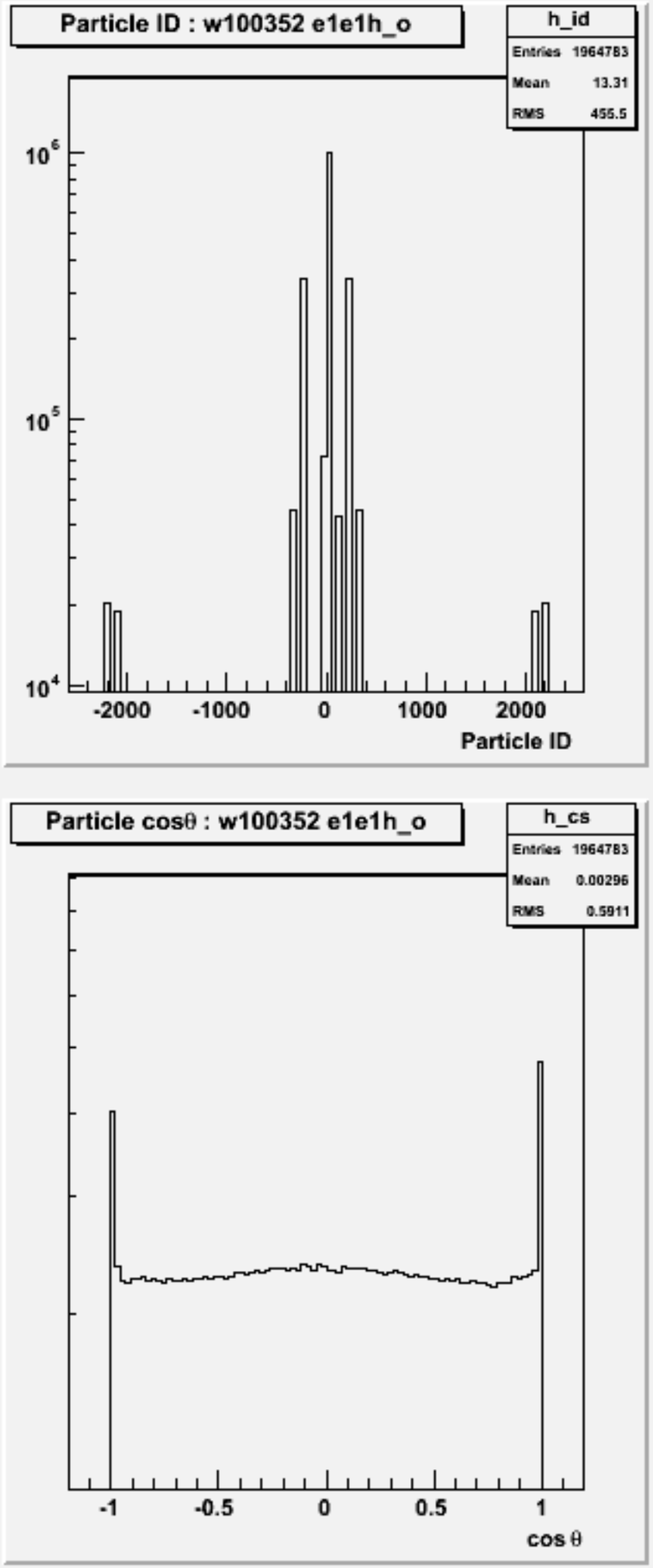
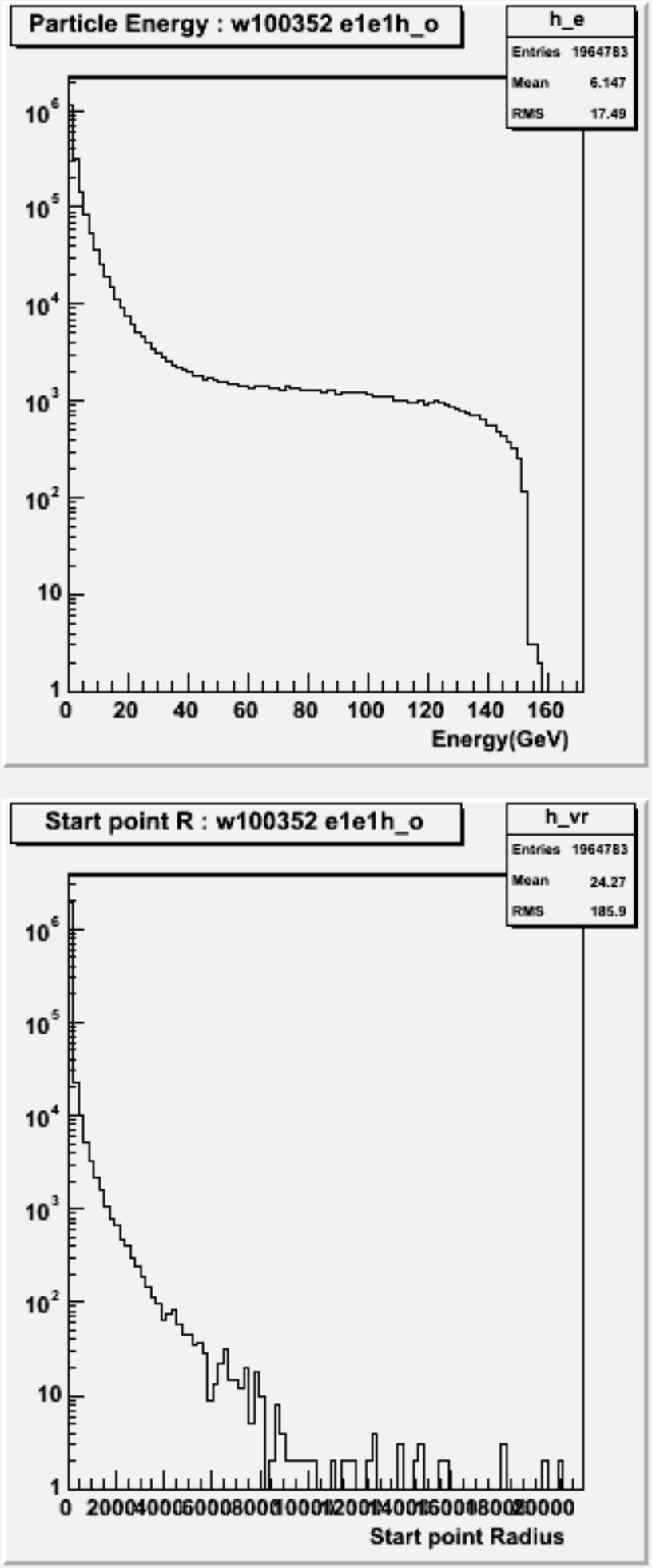
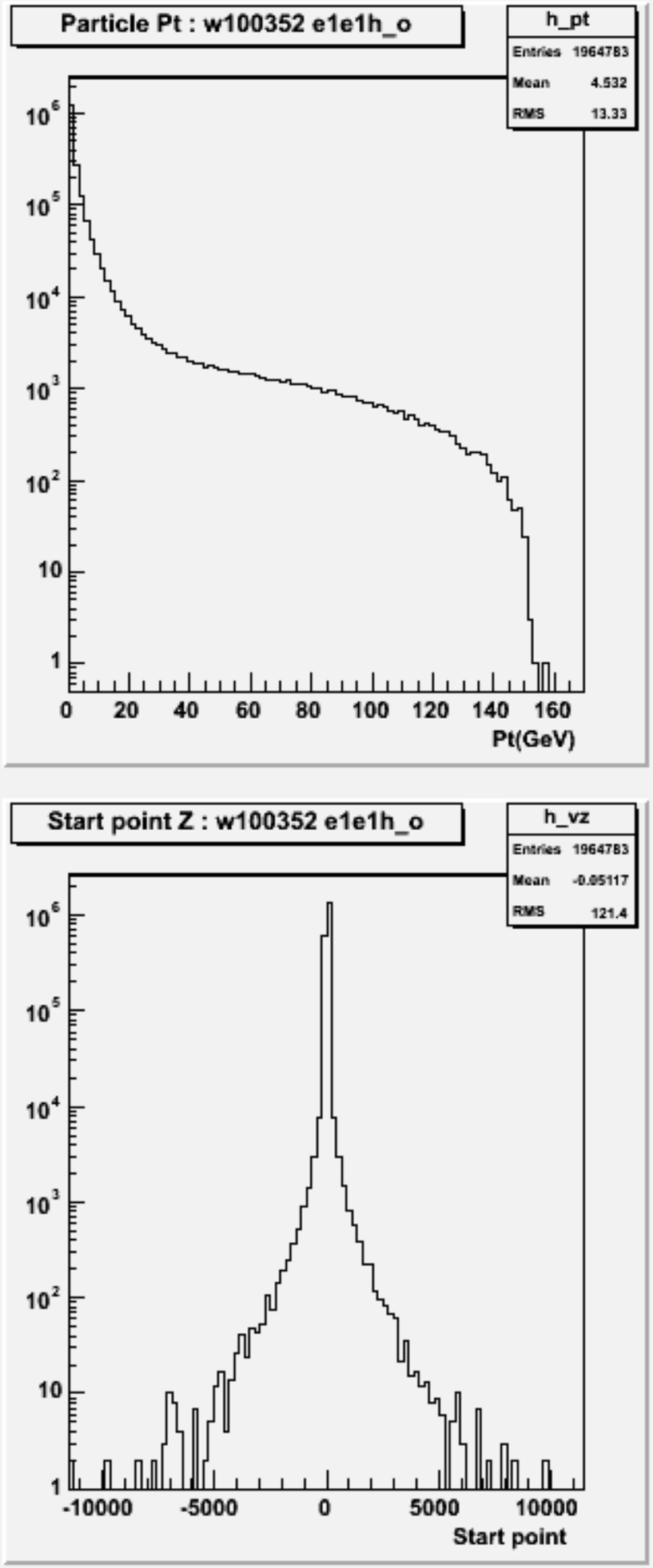

Particle ID : w100352 e1e1h_o
h_id
Entries 1964783
Mean 13.31
RMS 455.5
Particle ID

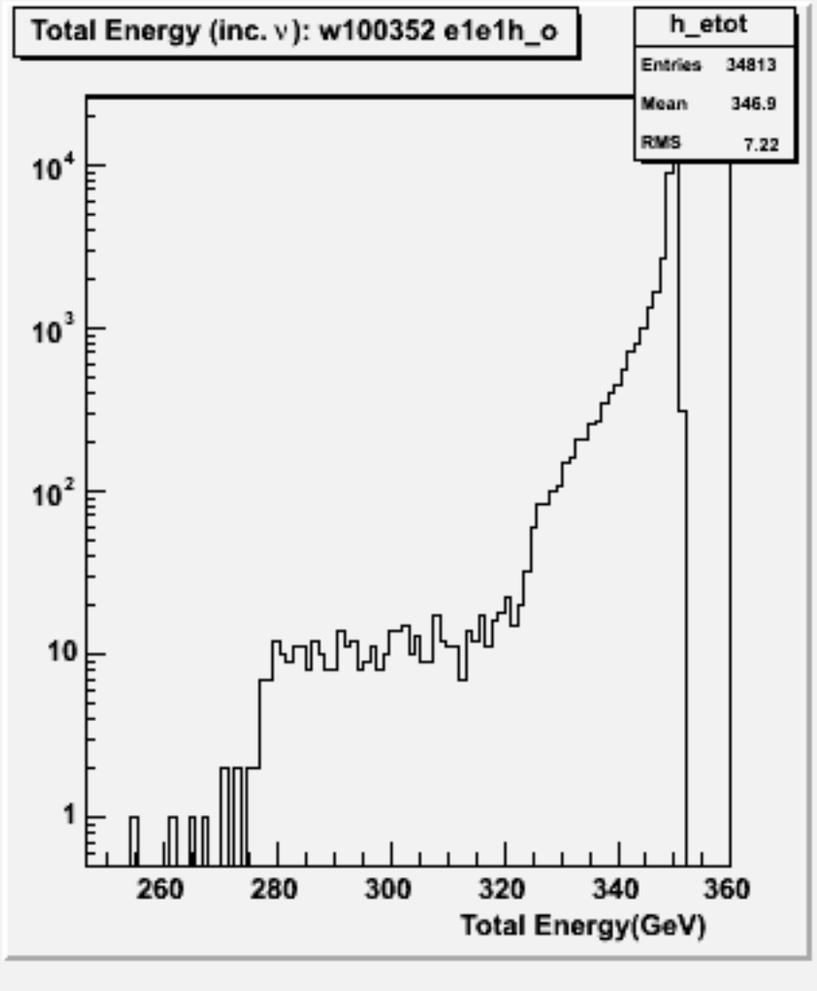

Particle Energy : w100352 e1e1h_o
h_e
Entries 1964783
Mean 6.147
RMS 17.49
Energy(GeV)

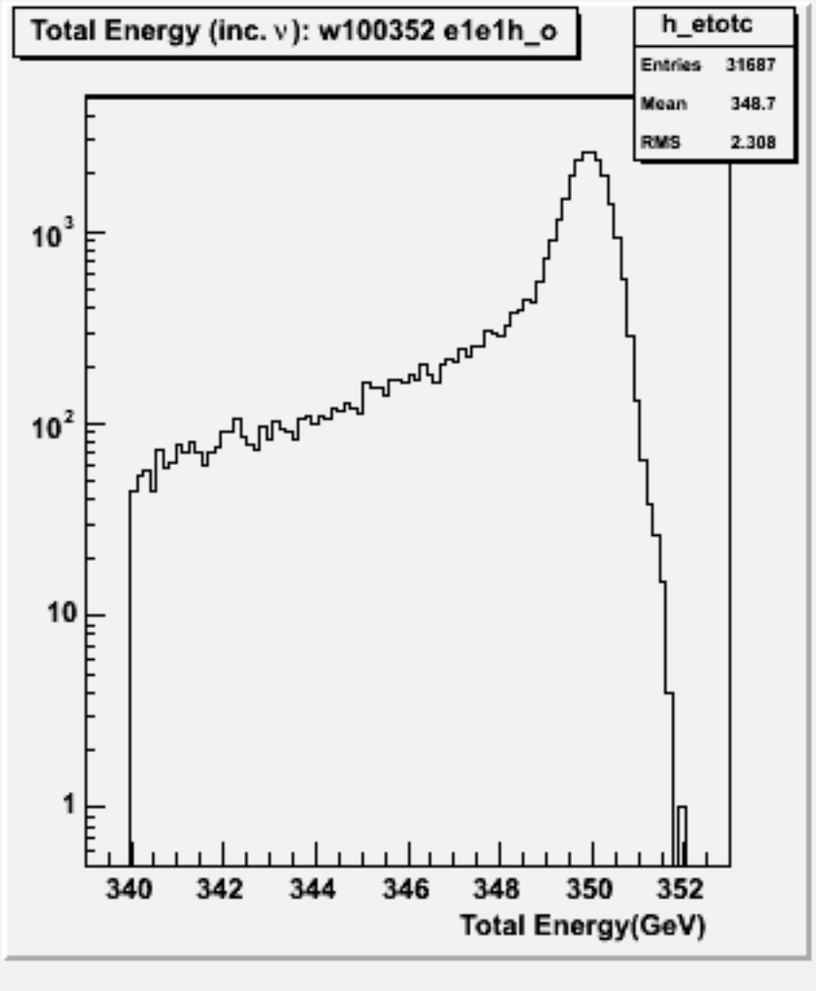

Particle Pt : w100352 e1e1h_o
h_pt
Entries 1964783
Mean 4.532
RMS 13.33
Pt(GeV)

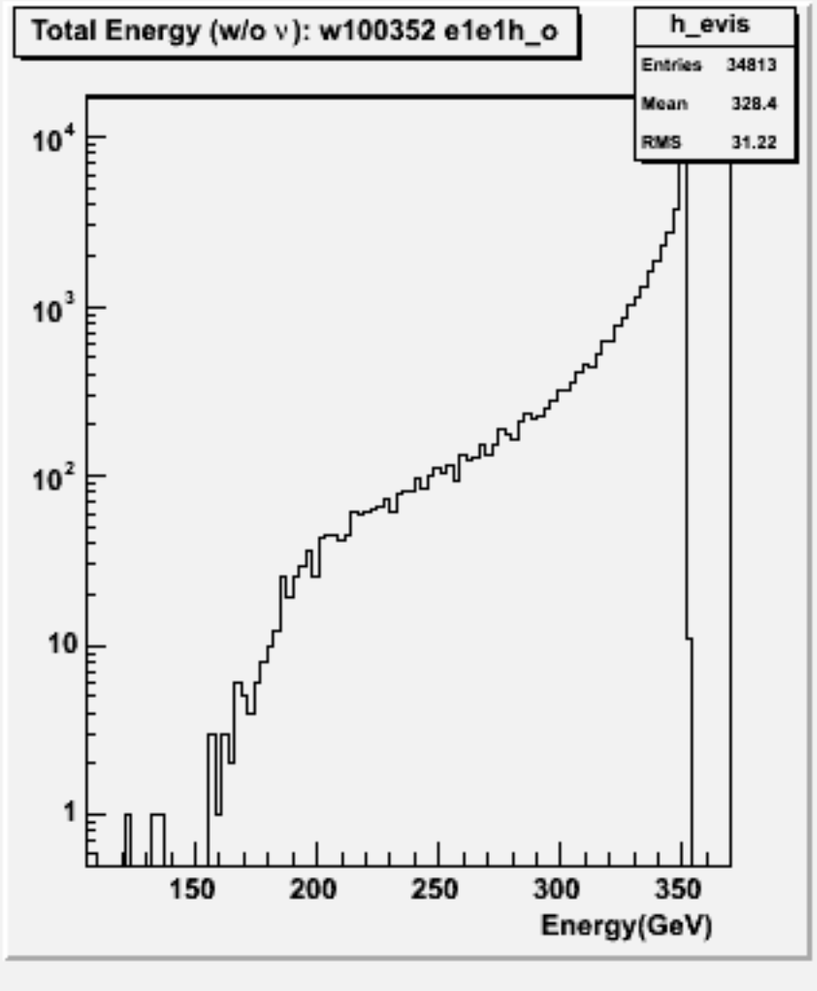
Particle cosθ : w100352 e1e1h_o
h_cs
Entries 1964783
Mean 0.00296
RMS 0.5911
cos θ

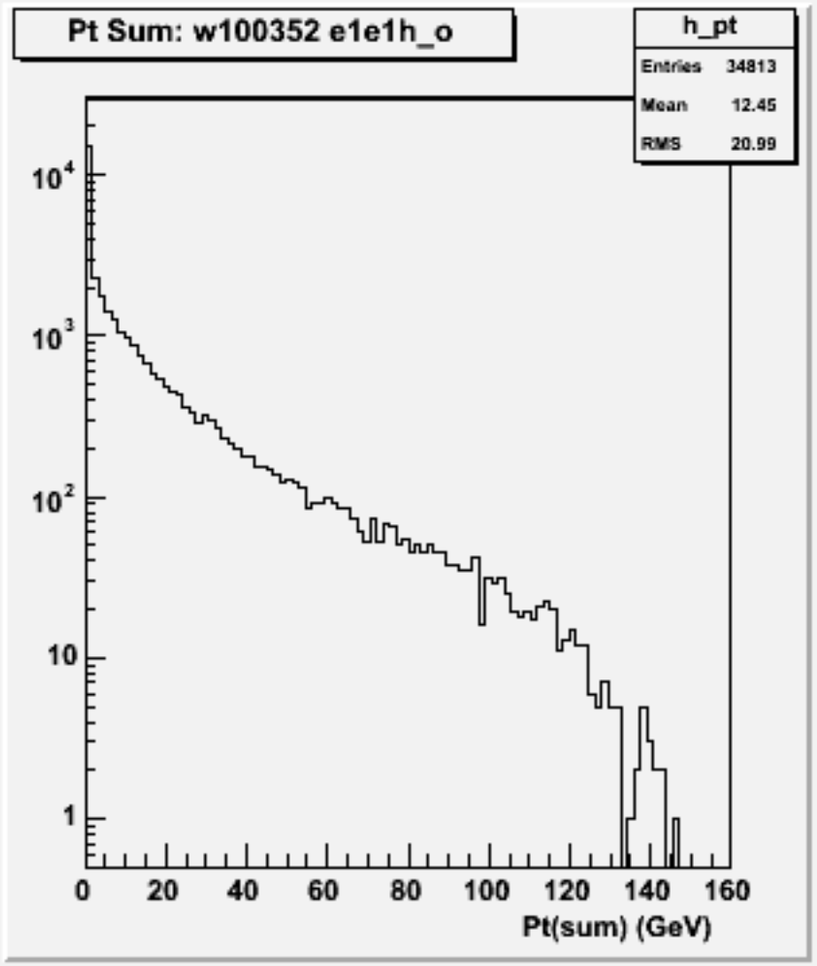
Start point R : w100352 e1e1h_o
h_vr
Entries 1964783
Mean 24.27
RMS 185.9
Start point Radius

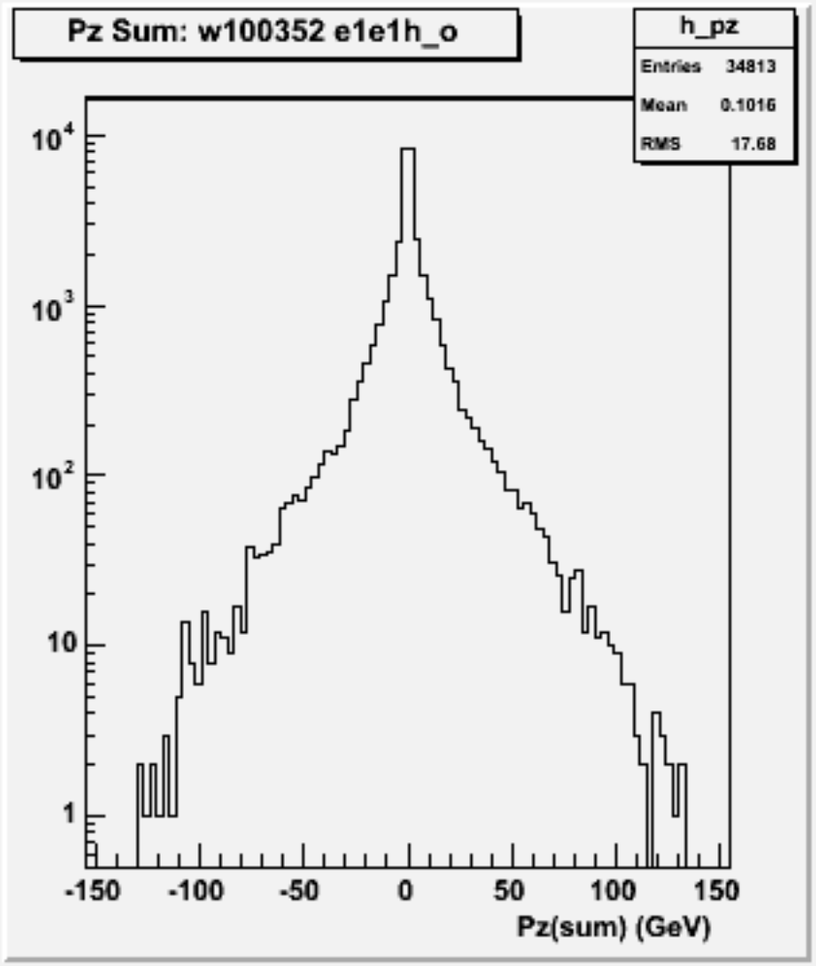
Start point Z : w100352 e1e1h_o
h_vz
Entries 1964783
Mean -0.05117
RMS 121.4
Start point

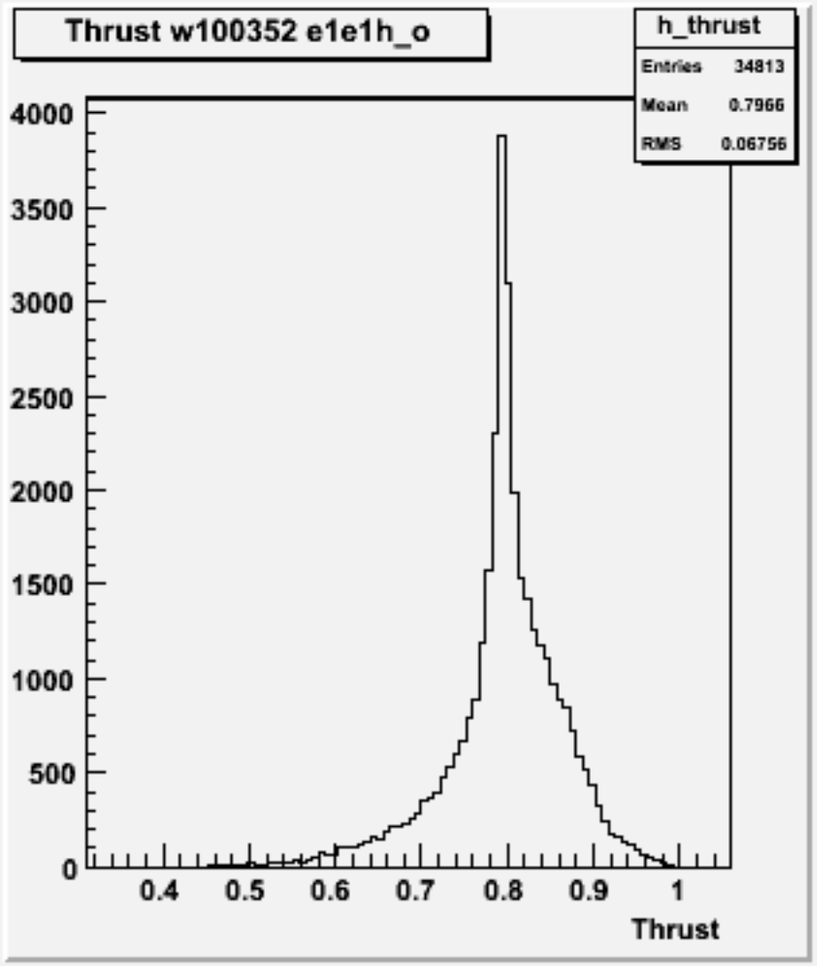

Total Energy (inc. ν): w100352 e1e1h_o
h_etot
Entries 34813
Mean 346.9
RMS 7.22
Total Energy(GeV)

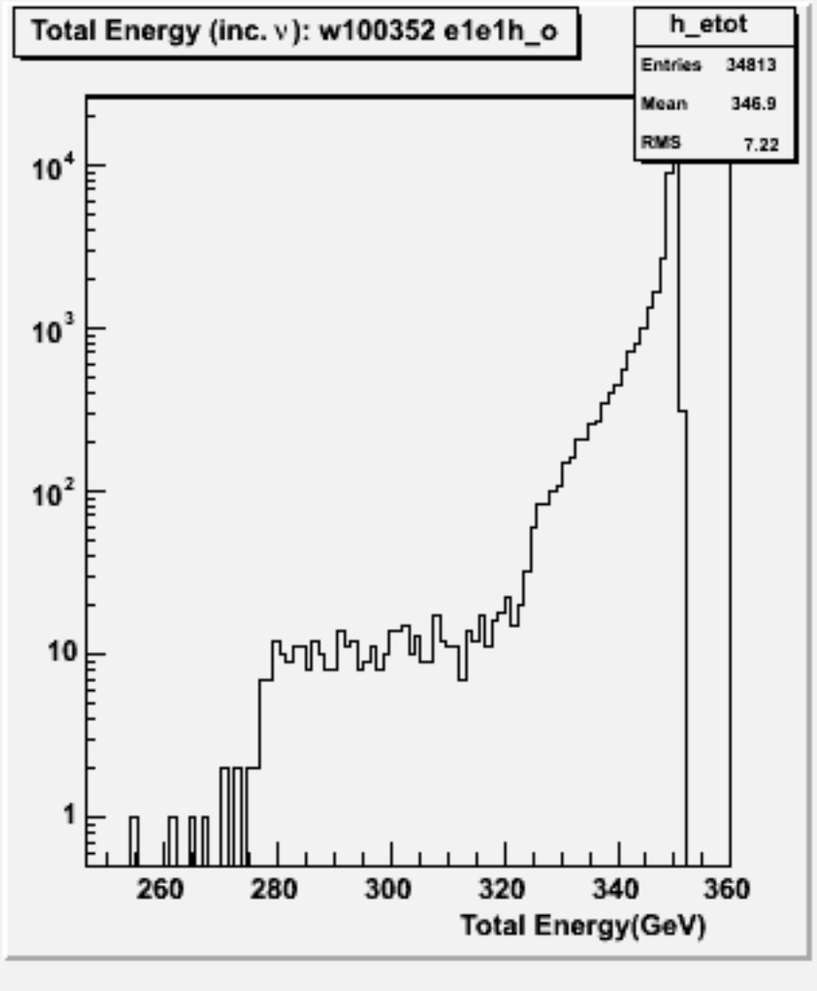

Total Energy (inc. ν): w100352 e1e1h_o
h_etotc
Entries 31687
Mean 348.7
RMS 2.308
Total Energy(GeV)

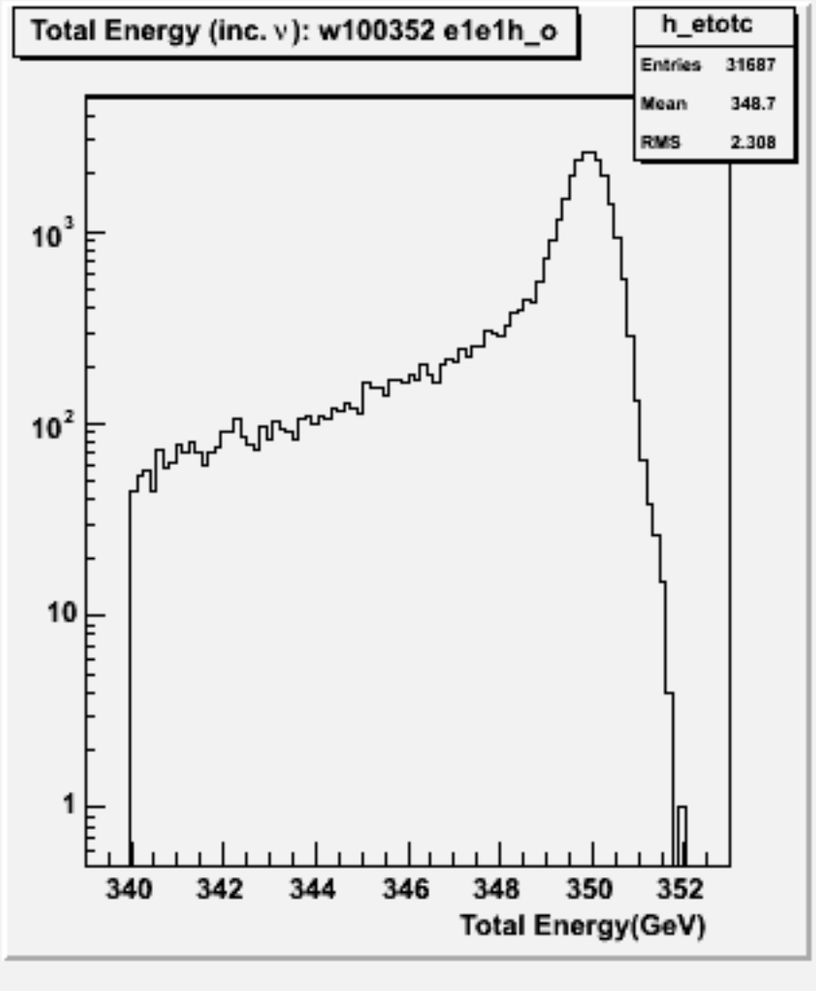

Total Energy (w/o ν): w100352 e1e1h_o
h_evis
Entries 34813
Mean 328.4
RMS 31.22
Energy(GeV)

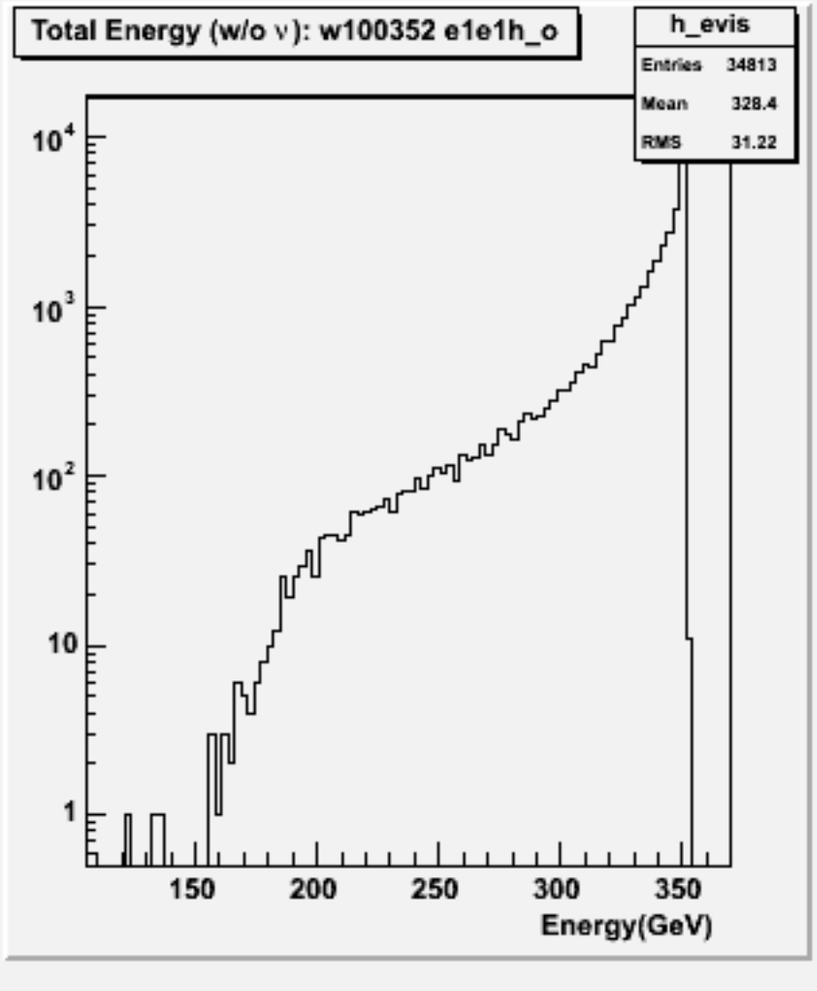

Pt Sum: w100352 e1e1h_o
h_pt
Entries 34813
Mean 12.45
RMS 20.99
Pt(sum) (GeV)

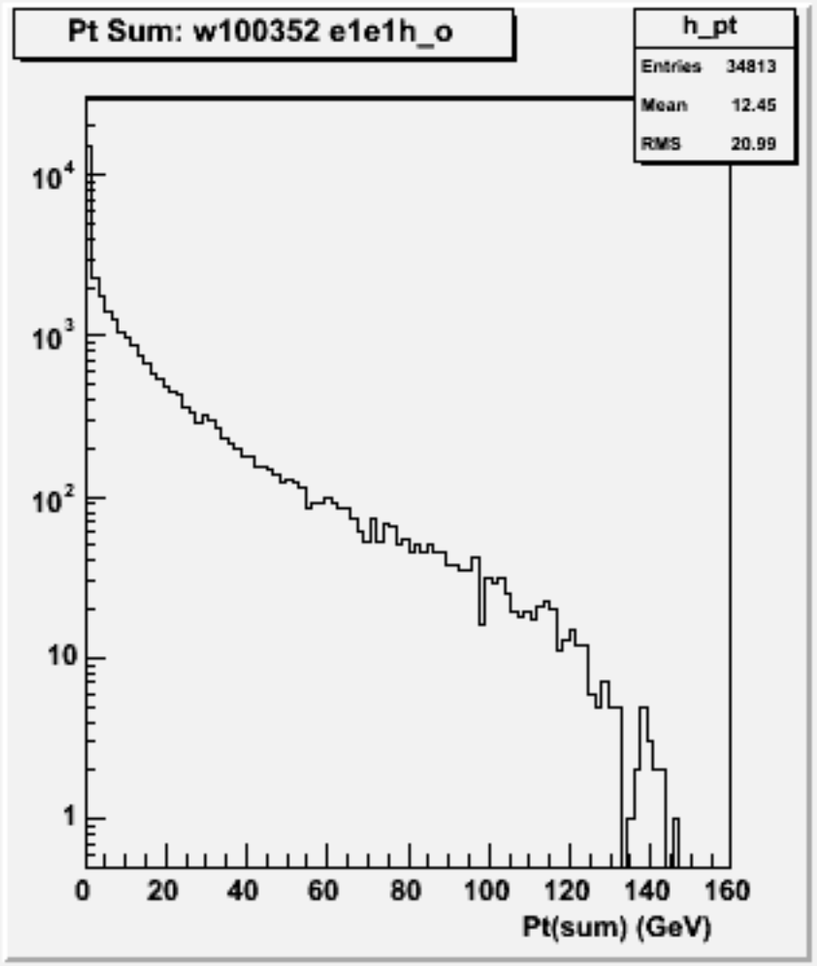

Pz Sum: w100352 e1e1h_o
h_pz
Entries 34813
Mean 0.1016
RMS 17.68
Pz(sum) (GeV)

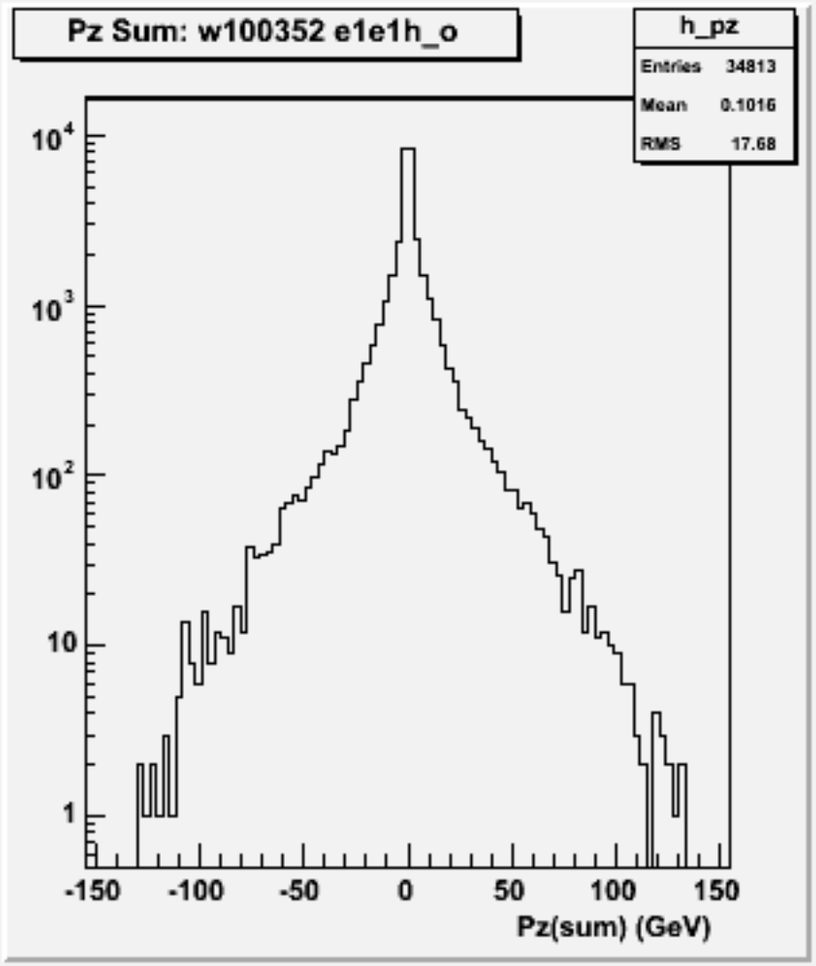

Thrust w100352 e1e1h_o
h_thrust
Entries 34813
Mean 0.7966
RMS 0.06756
Thrust

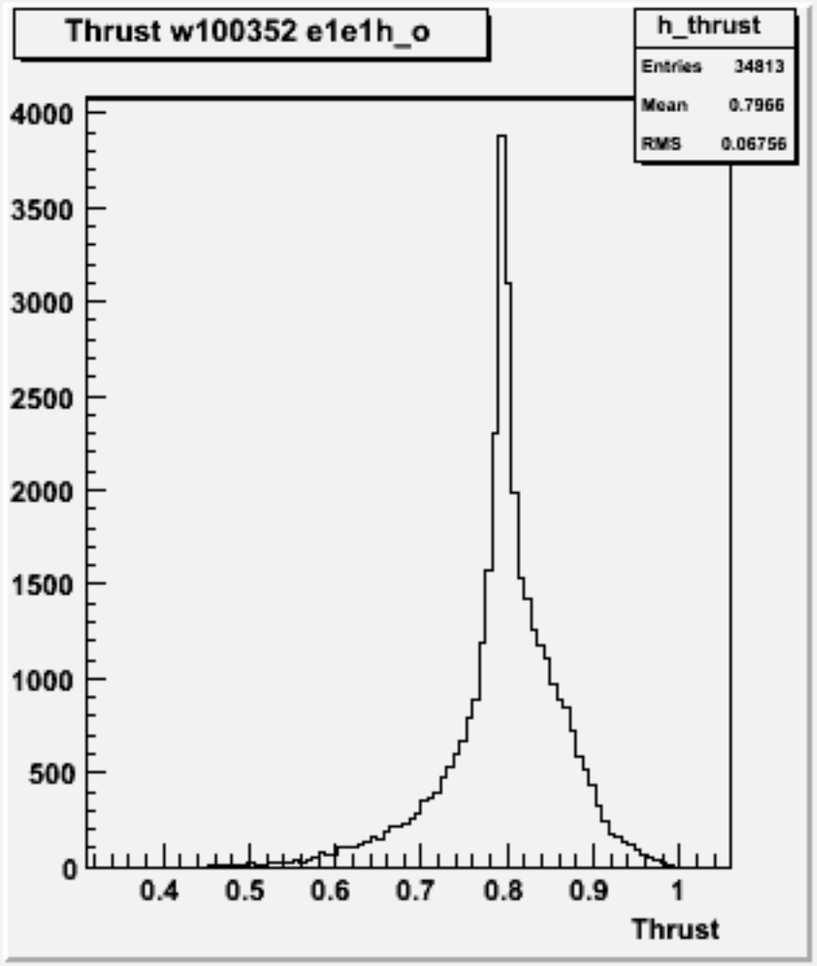

Total Energy (inc. ν): w100352 e1e1h_o
h_etot
Entries 34813
Mean 346.9
RMS 7.22
Total Energy(GeV)

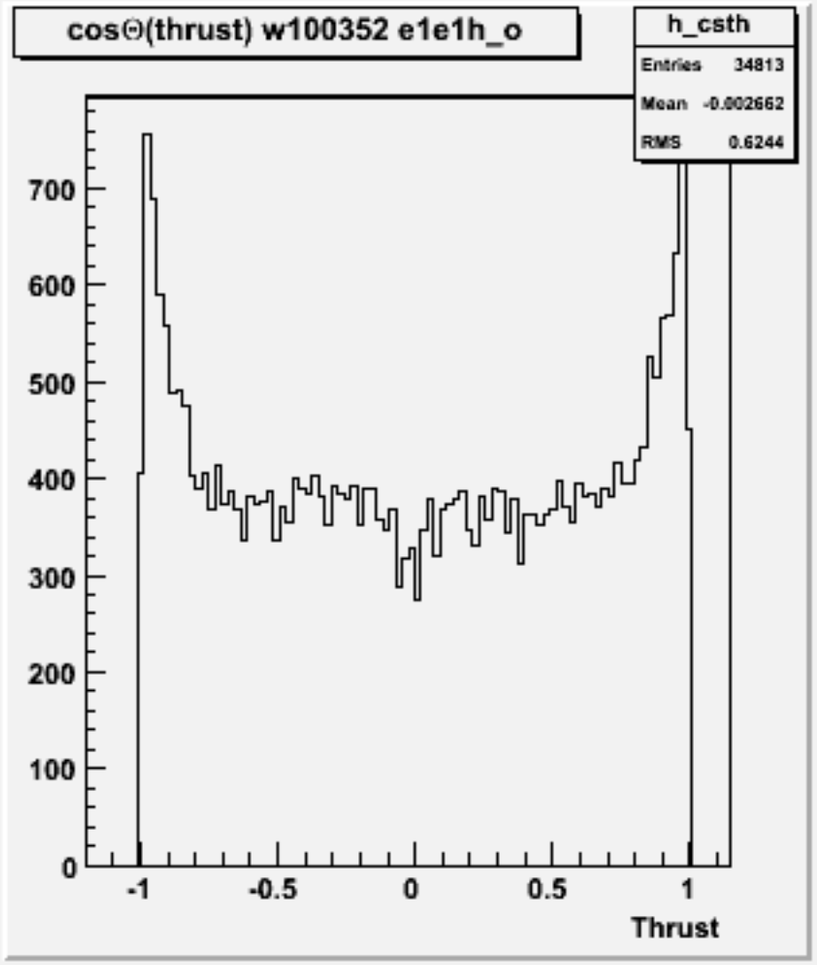

Total Energy (inc. ν): w100352 e1e1h_o
h_etotc
Entries 31687
Mean 348.7
RMS 2.308
Total Energy(GeV)

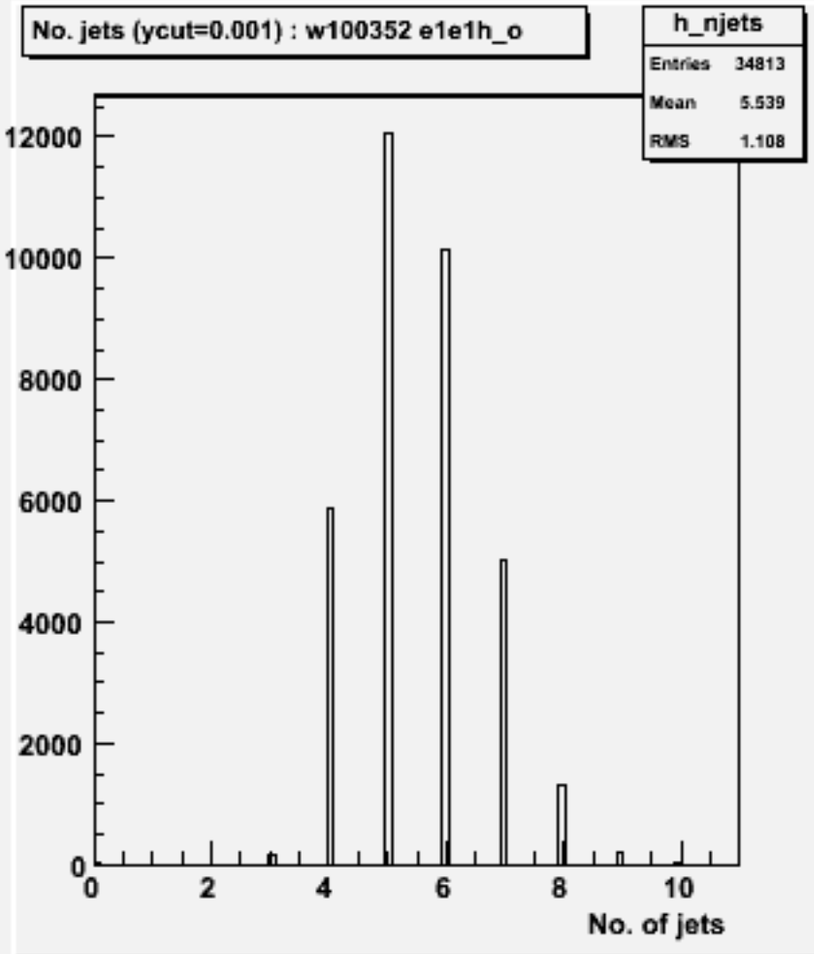

Total Energy (w/o ν): w100352 e1e1h_o
h_evis
Entries 34813
Mean 328.4
RMS 31.22
Energy(GeV)

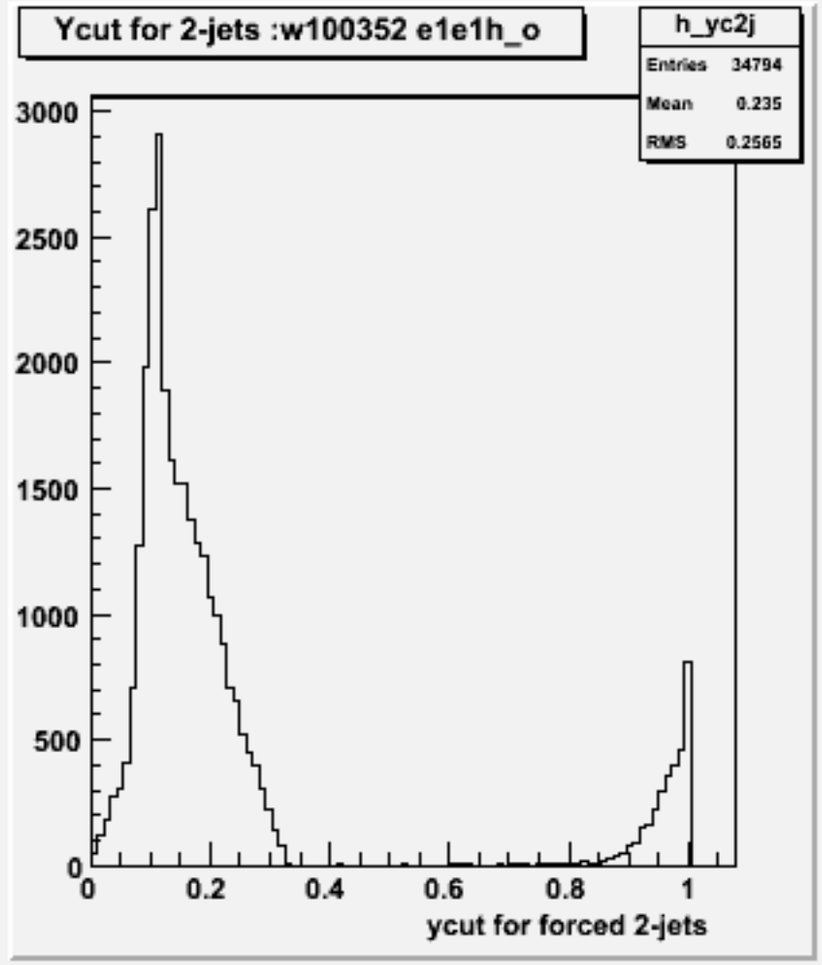

Pt Sum: w100352 e1e1h_o
h_pt
Entries 34813
Mean 12.45
RMS 20.99
Pt(sum) (GeV)

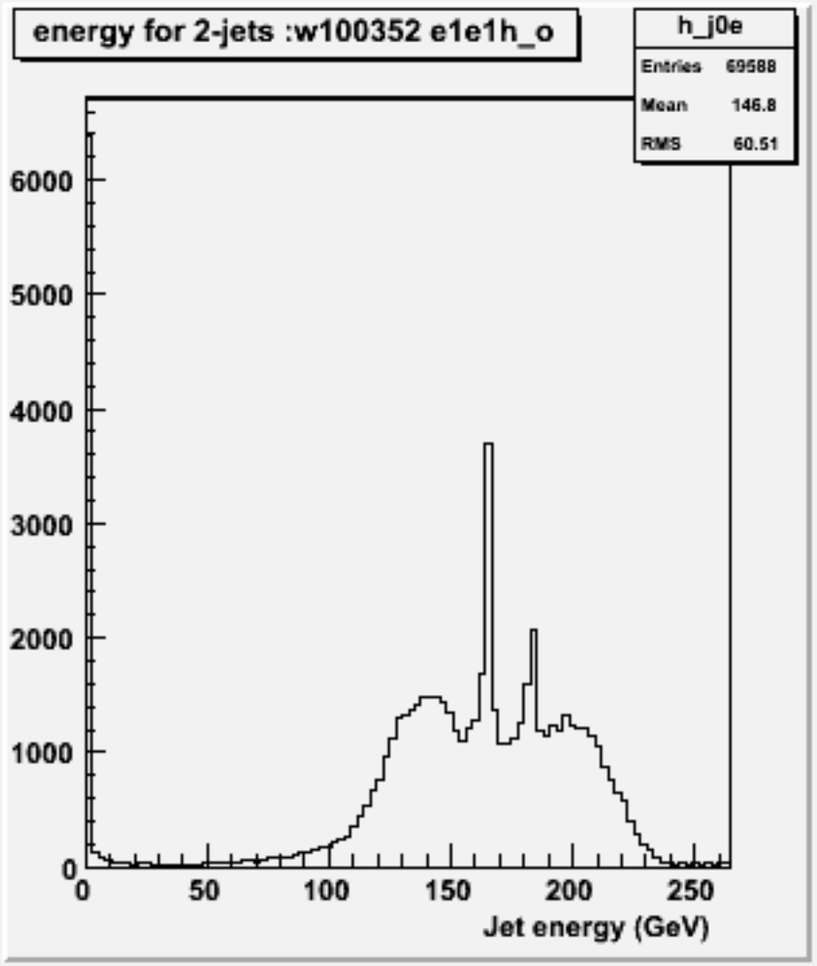

Pz Sum: w100352 e1e1h_o
h_pz
Entries 34813
Mean 0.1016
RMS 17.68
Pz(sum) (GeV)

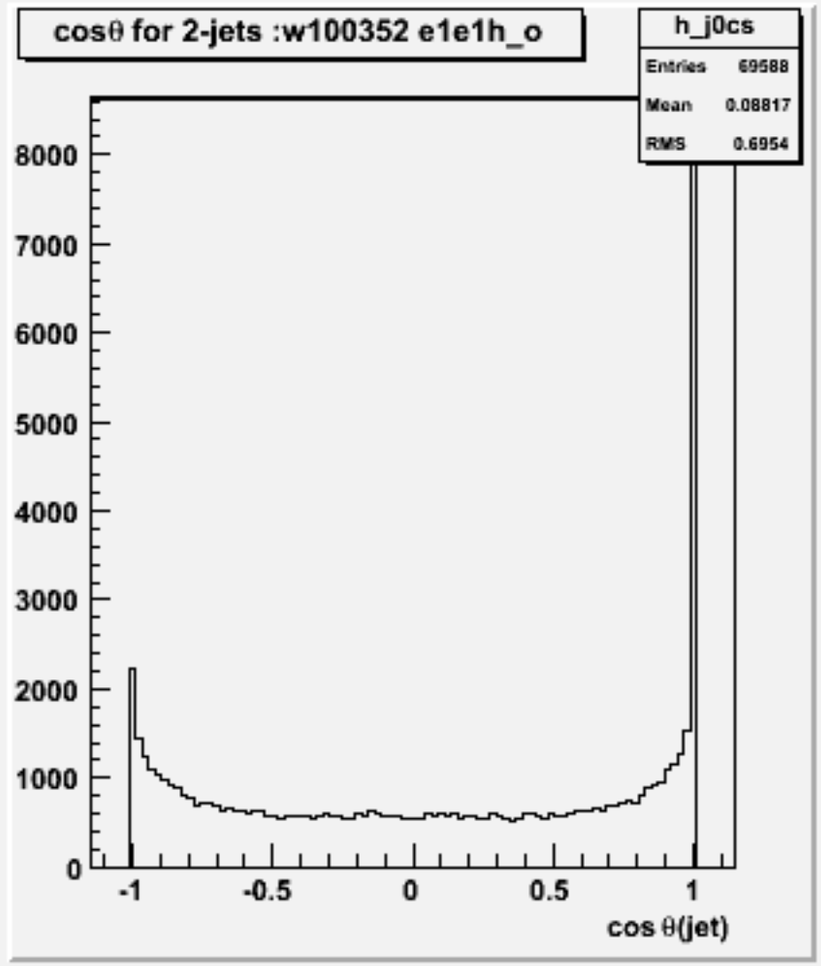

Thrust w100352 e1e1h_o
h_thrust
Entries 34813
Mean 0.7966
RMS 0.06756
Thrust

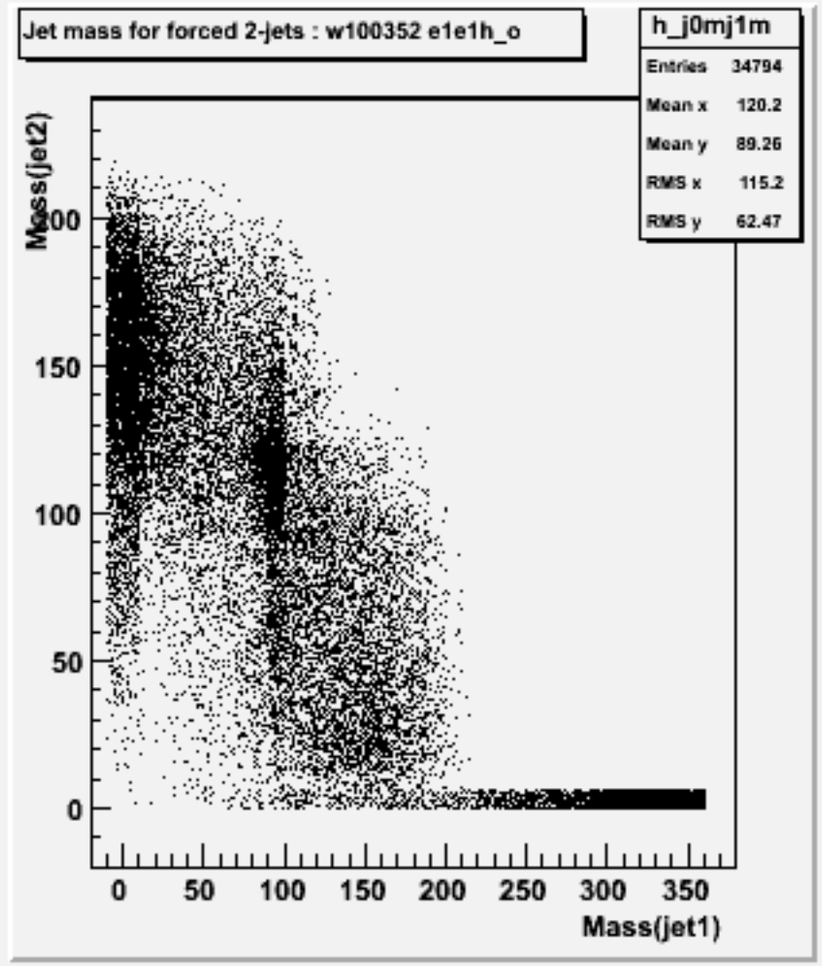

cosΘ(thrust) w100352 e1e1h_o
h_csth
Entries 34813
Mean -0.002662
RMS 0.6244
Thrust

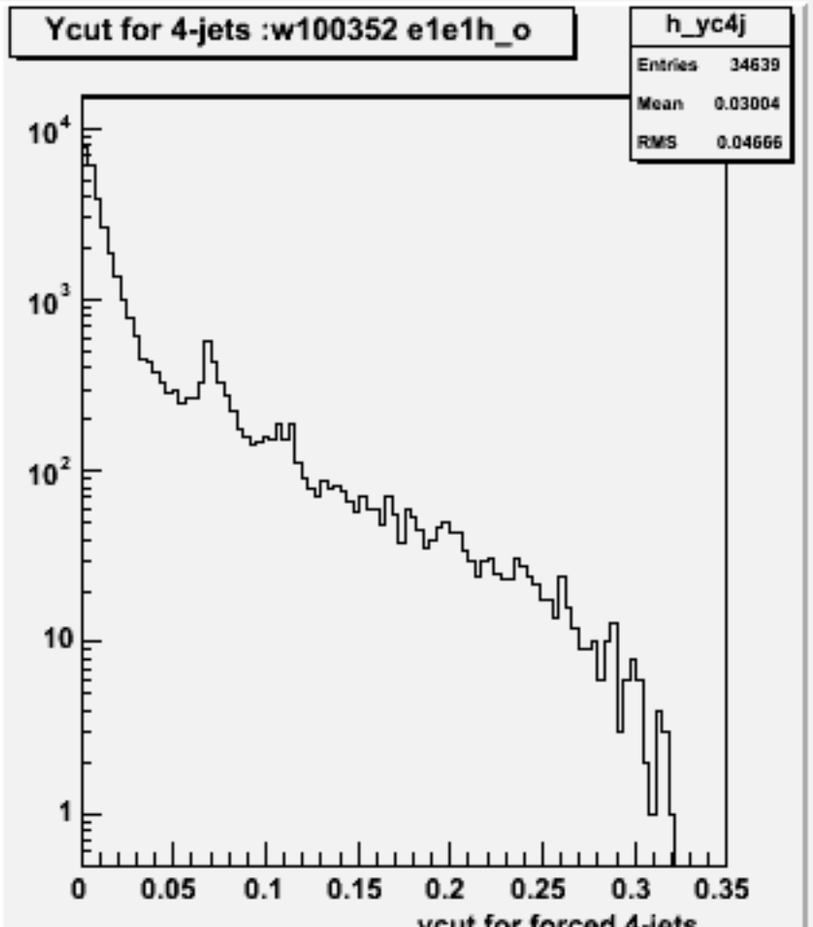

No. jets (ycut=0.001) : w100352 e1e1h_o
h_njets
Entries 34813
Mean 5.539
RMS 1.108
No. of jets

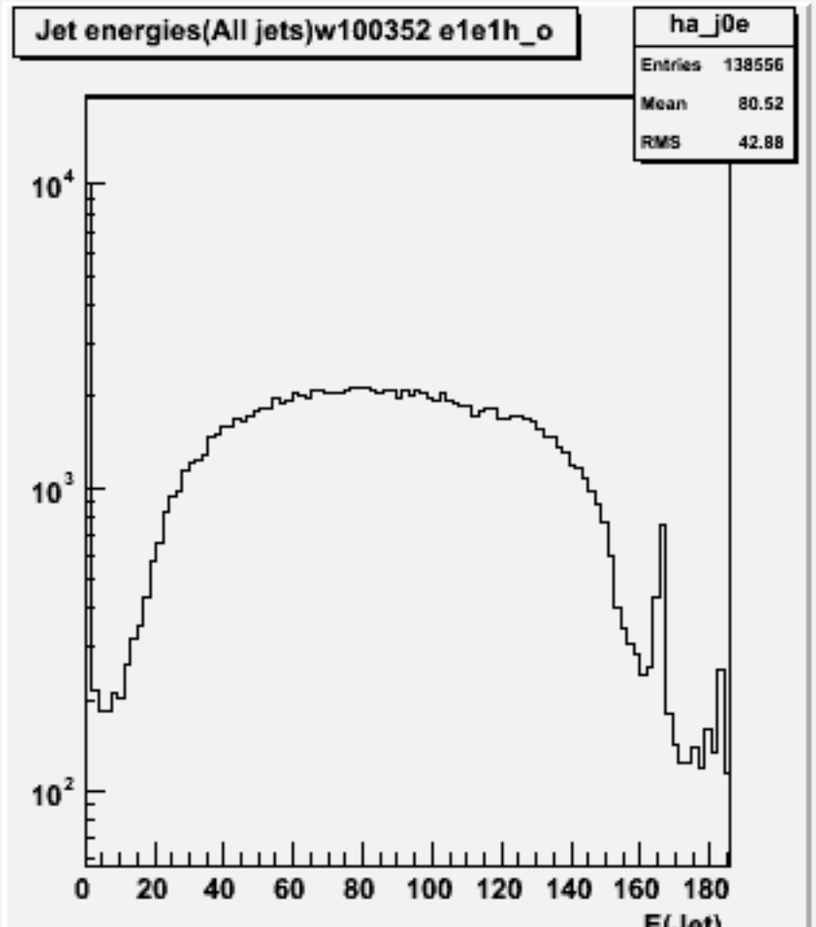

Ycut for 2-jets :w100352 e1e1h_o
h_yc2j
Entries 34794
Mean 0.235
RMS 0.2565
ycut for forced 2-jets

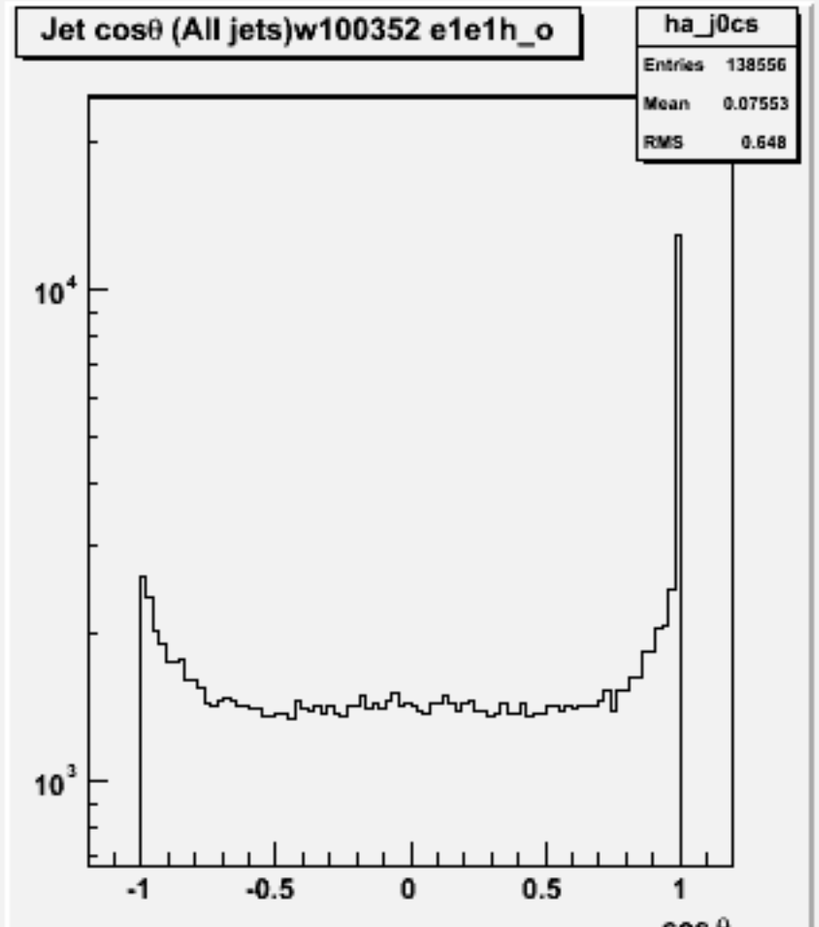

energy for 2-jets :w100352 e1e1h_o
h_j0e
Entries 69588
Mean 146.8
RMS 60.51
Jet energy (GeV)

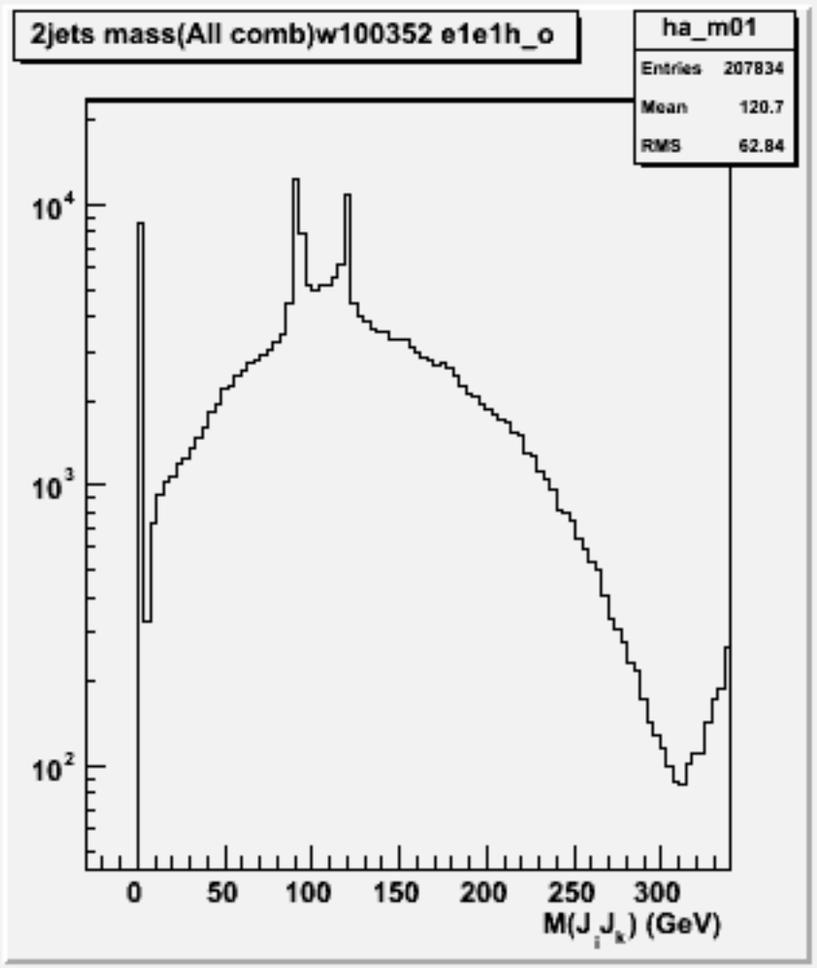

cosθ for 2-jets :w100352 e1e1h_o
h_j0cs
Entries 69588
Mean 0.08817
RMS 0.6954
cos θ(jet)

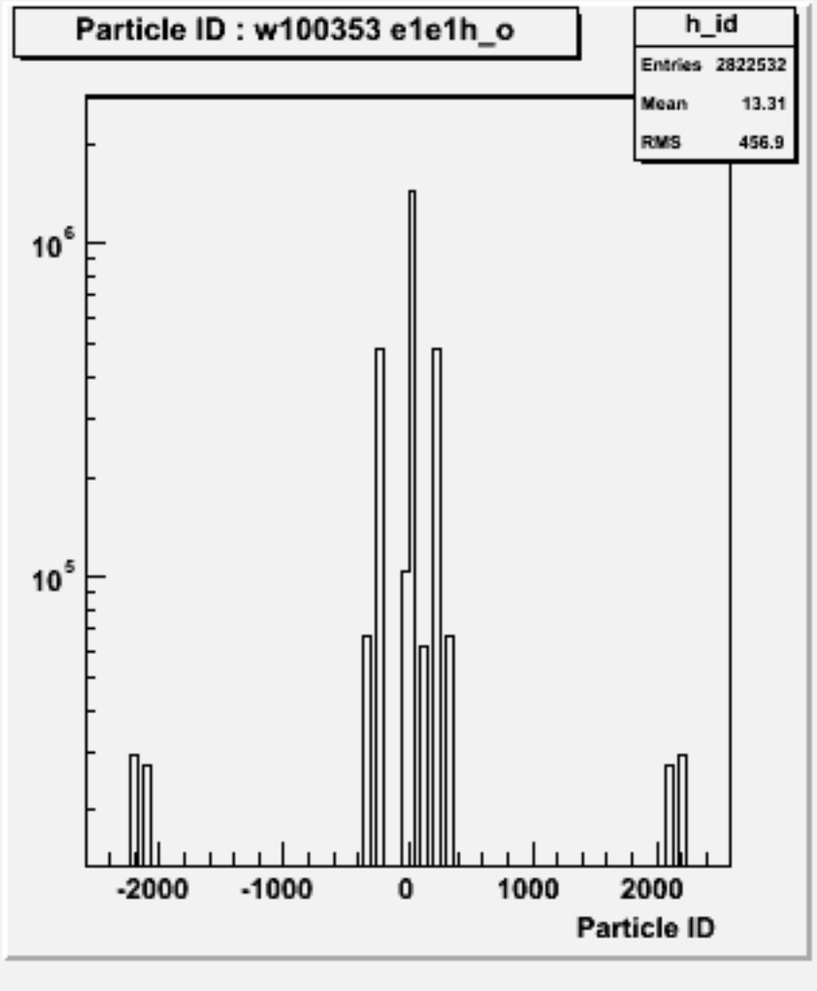

Jet mass for forced 2-jets : w100352 e1e1h_o
h_j0mj1m
Entries 34794
Mean x 120.2
Mean y 89.26
RMS x 115.2
RMS y 62.47
Mass(jet2)
Mass(jet1)

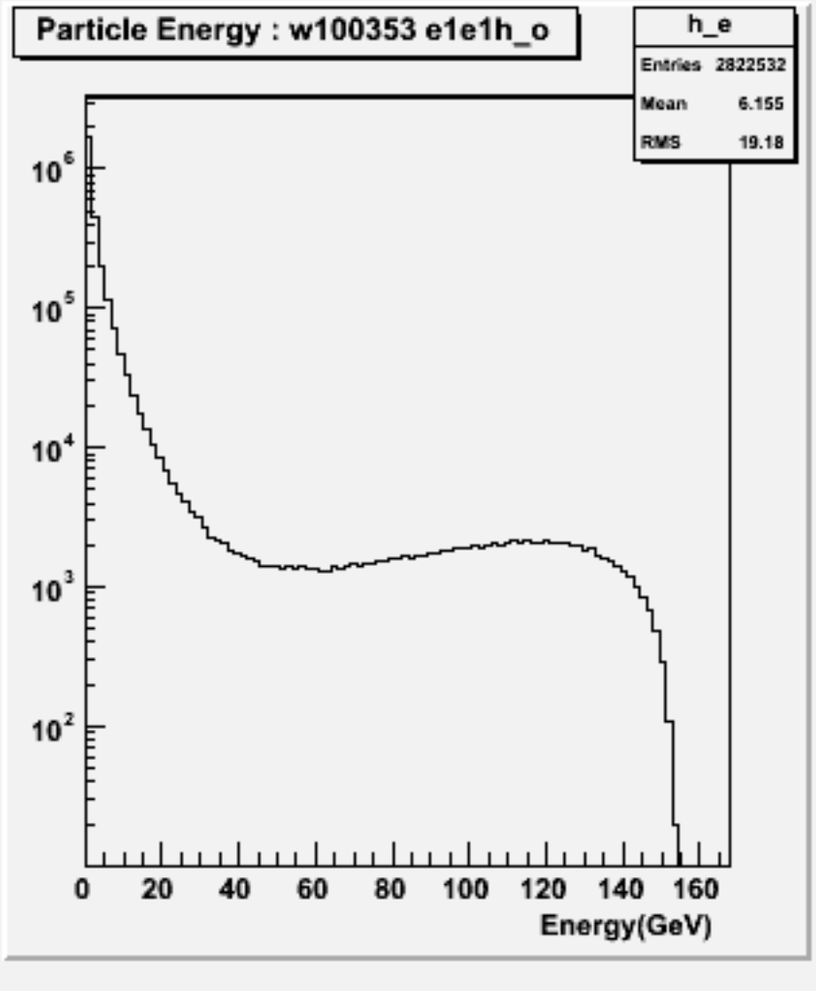

Ycut for 4-jets :w100352 e1e1h_o
h_yc4j
Entries 34639
Mean 0.03004
RMS 0.04666
ycut for forced 4-jets

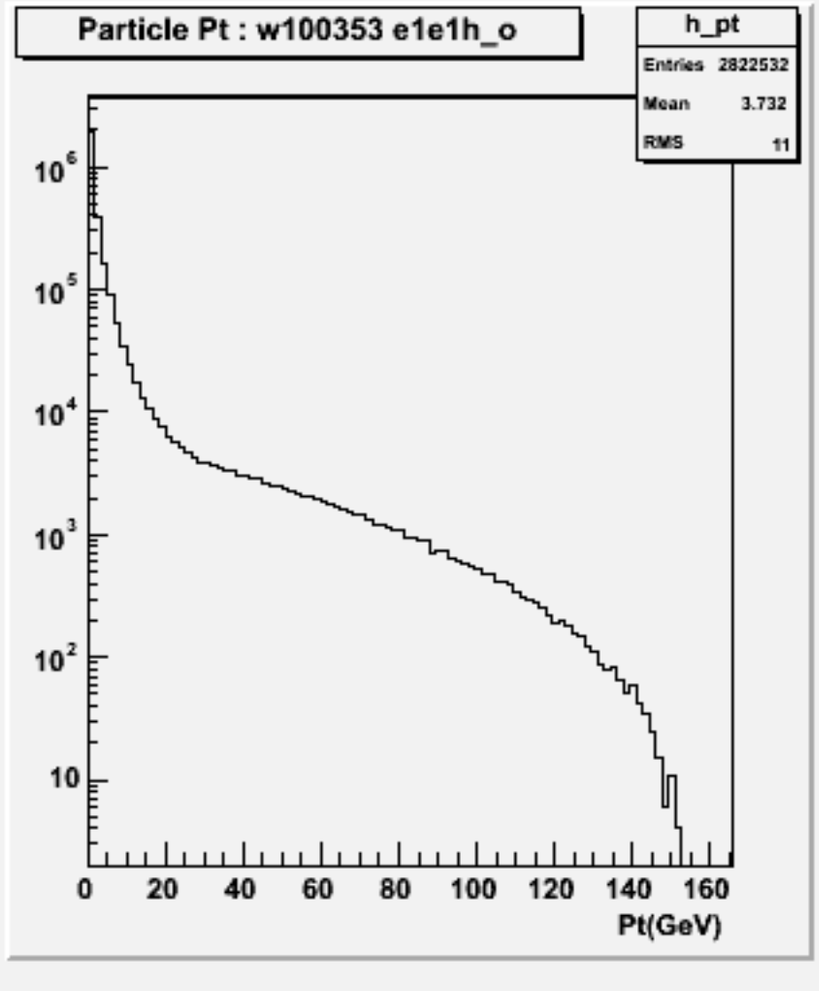

Jet energies(All jets)w100352 e1e1h_o
ha_j0e
Entries 138556
Mean 80.52
RMS 42.88
E(Jet)

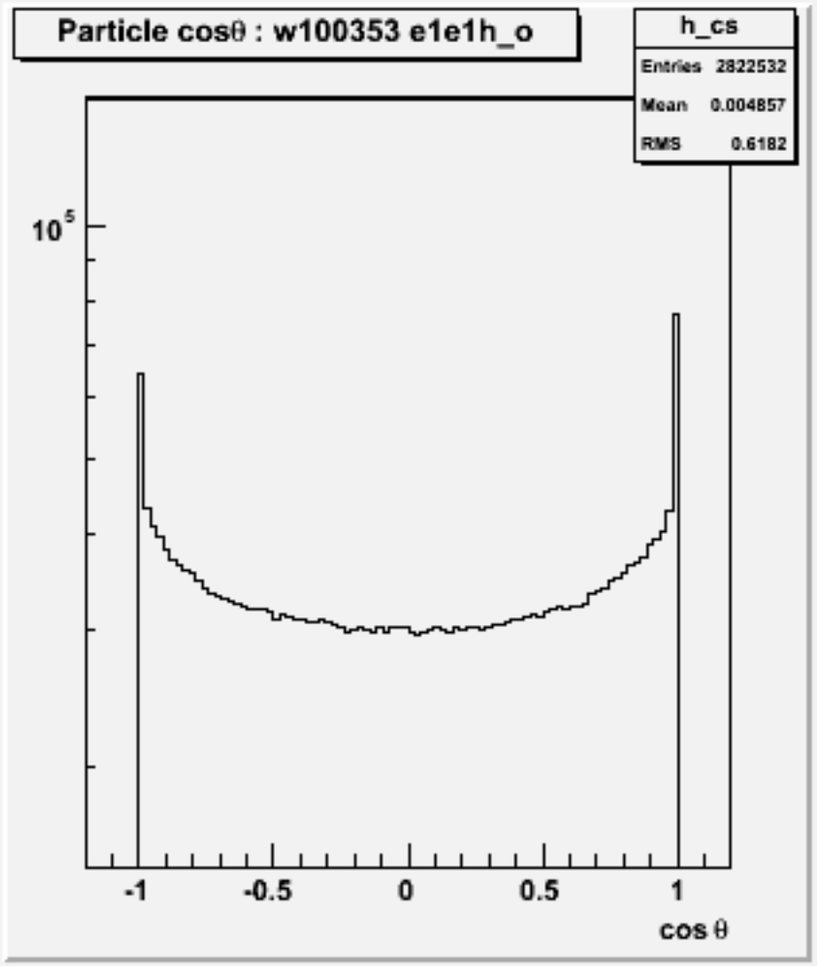

Jet cosθ (All jets)w100352 e1e1h_o
ha_j0cs
Entries 138556
Mean 0.07553
RMS 0.648
cos θ

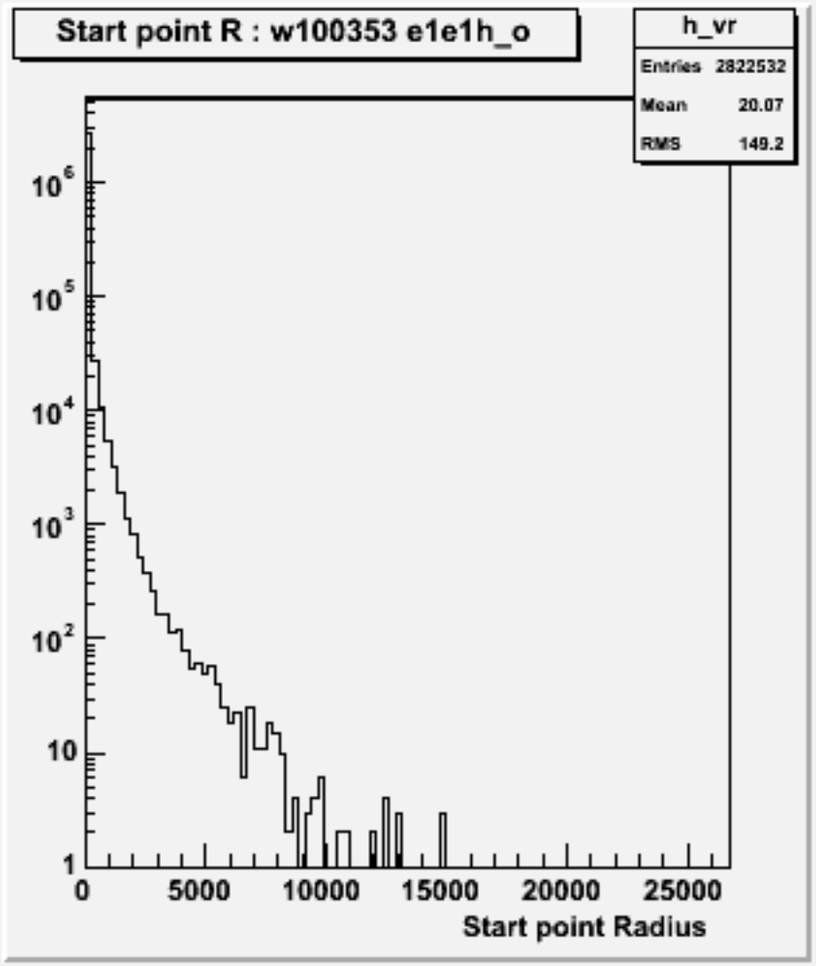

2jets mass(All comb)w100352 e1e1h_o
ha_m01
Entries 207834
Mean 120.7
RMS 62.84
M(J_iJ_k) (GeV)

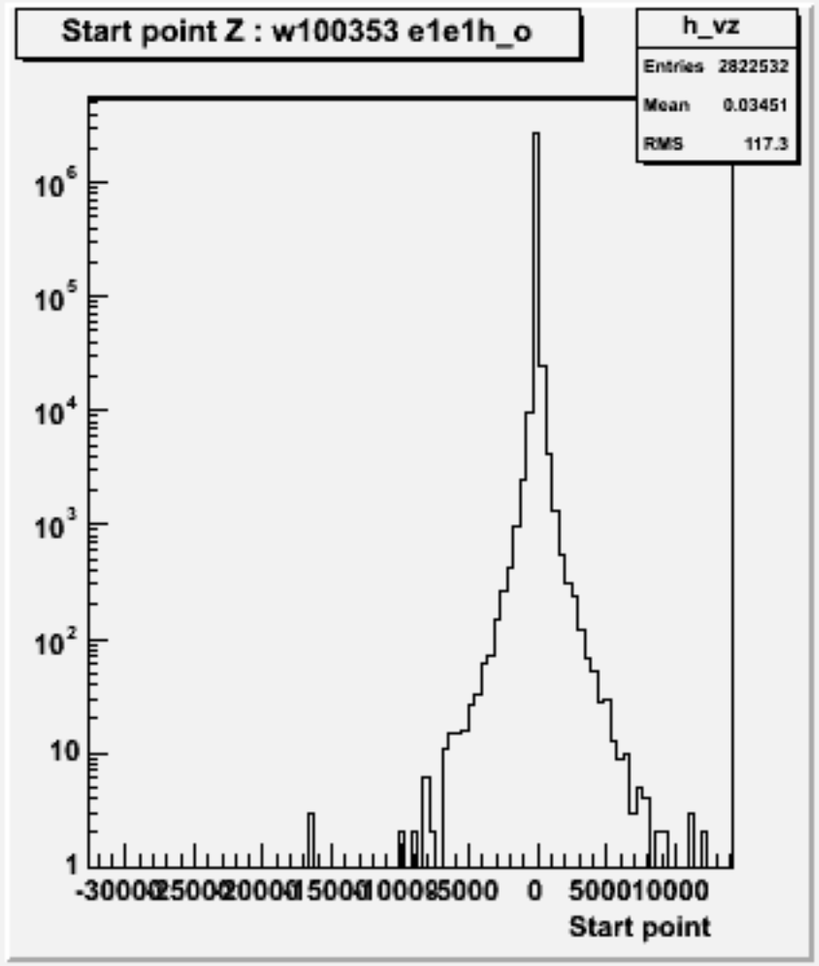

Particle ID : w100353 e1e1h_o
h_id
Entries 2822532
Mean 13.31
RMS 456.9
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

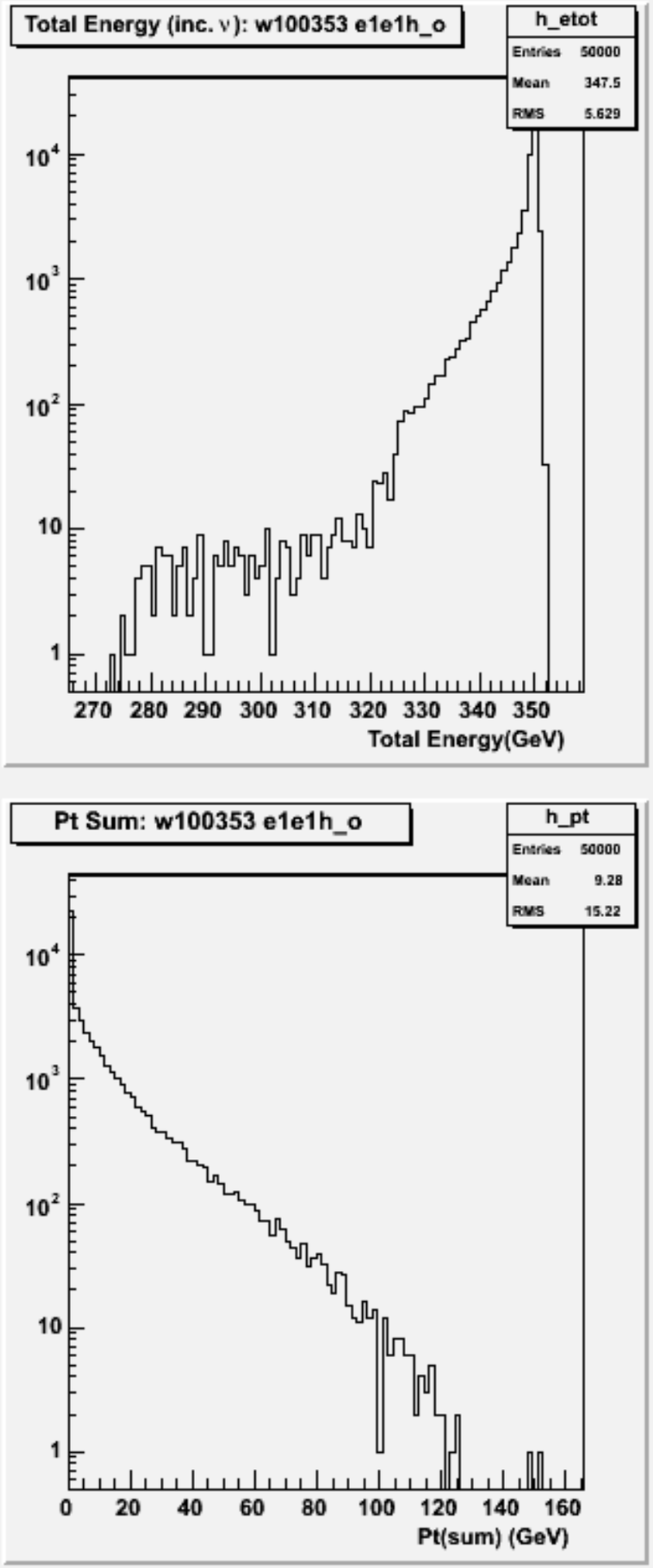

Particle Energy : w100353 e1e1h_o
h_e
Entries 2822532
Mean 6.155
RMS 19.18
10^6
10^5
10^4
10^3
10^2
0
20
40
60
80
100
120
140
160
Energy(GeV)

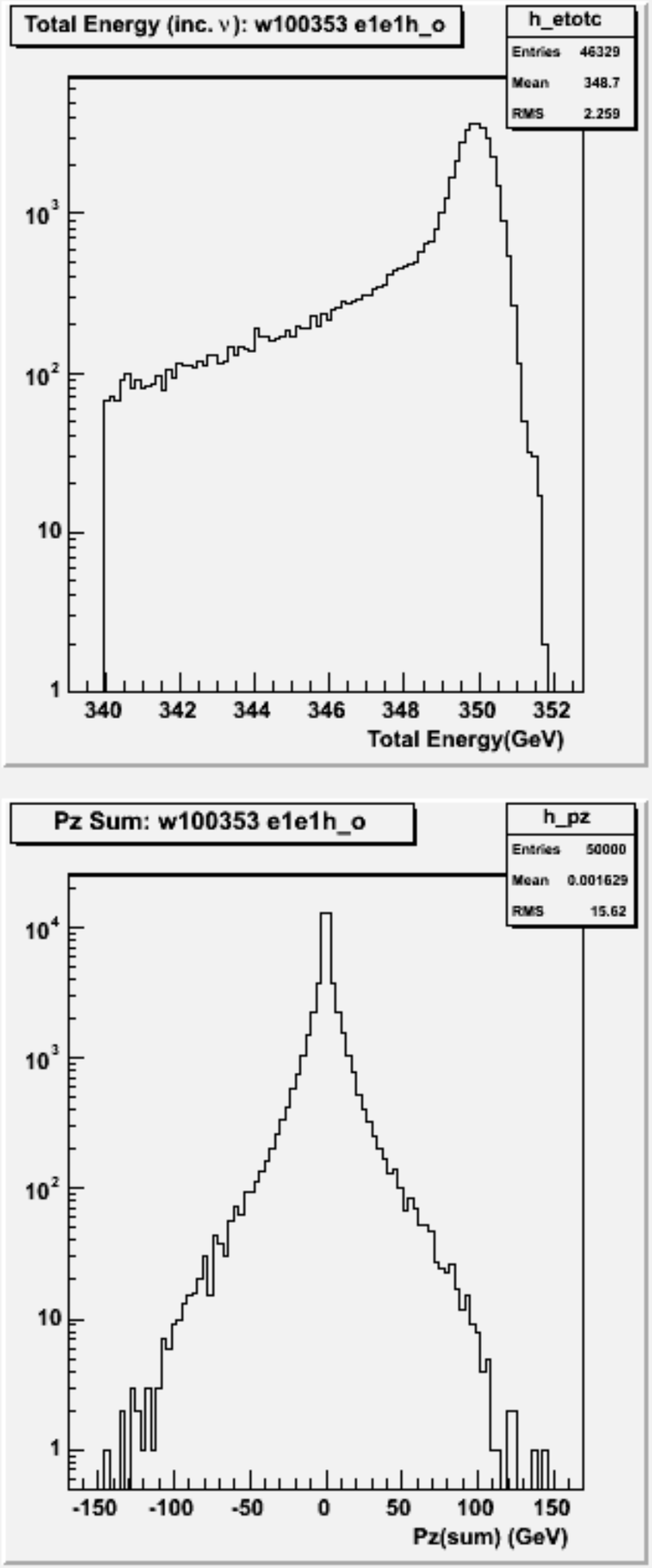

Particle Pt : w100353 e1e1h_o
h_pt
Entries 2822532
Mean 3.732
RMS 11
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
Pt(GeV)

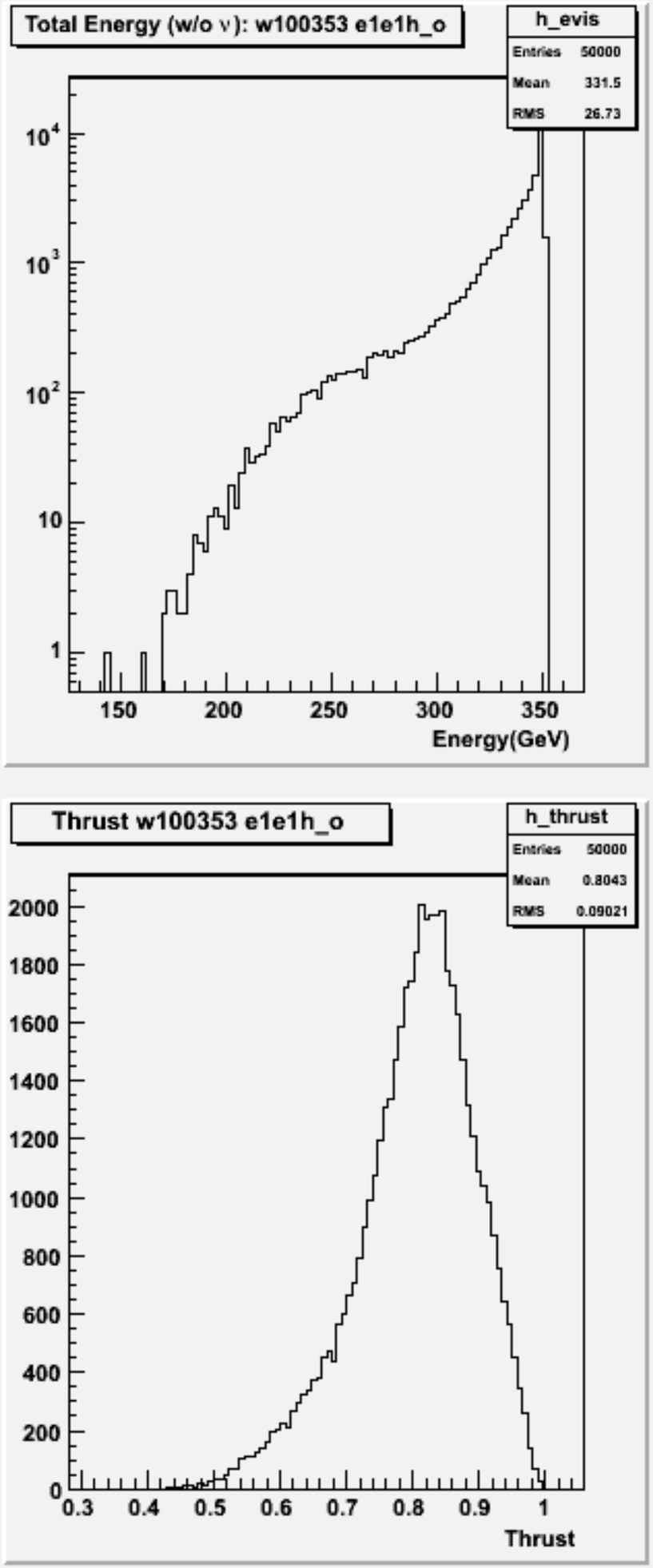

Particle cosθ : w100353 e1e1h_o
h_cs
Entries 2822532
Mean 0.004857
RMS 0.6182
10^5
-1
-0.5
0
0.5
1
cos θ


Start point R : w100353 e1e1h_o
h_vr
Entries 2822532
Mean 20.07
RMS 149.2
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius


Start point Z : w100353 e1e1h_o
h_vz
Entries 2822532
Mean 0.03451
RMS 117.3
10^6
10^5
10^4
10^3
10^2
10
1
-30000
-25000
-20000
-15000
-10000
-5000
0
5000
10000
Start point


Total Energy (inc. ν): w100353 e1e1h_o
h_etot
Entries 50000
Mean 347.5
RMS 5.629
Total Energy(GeV)

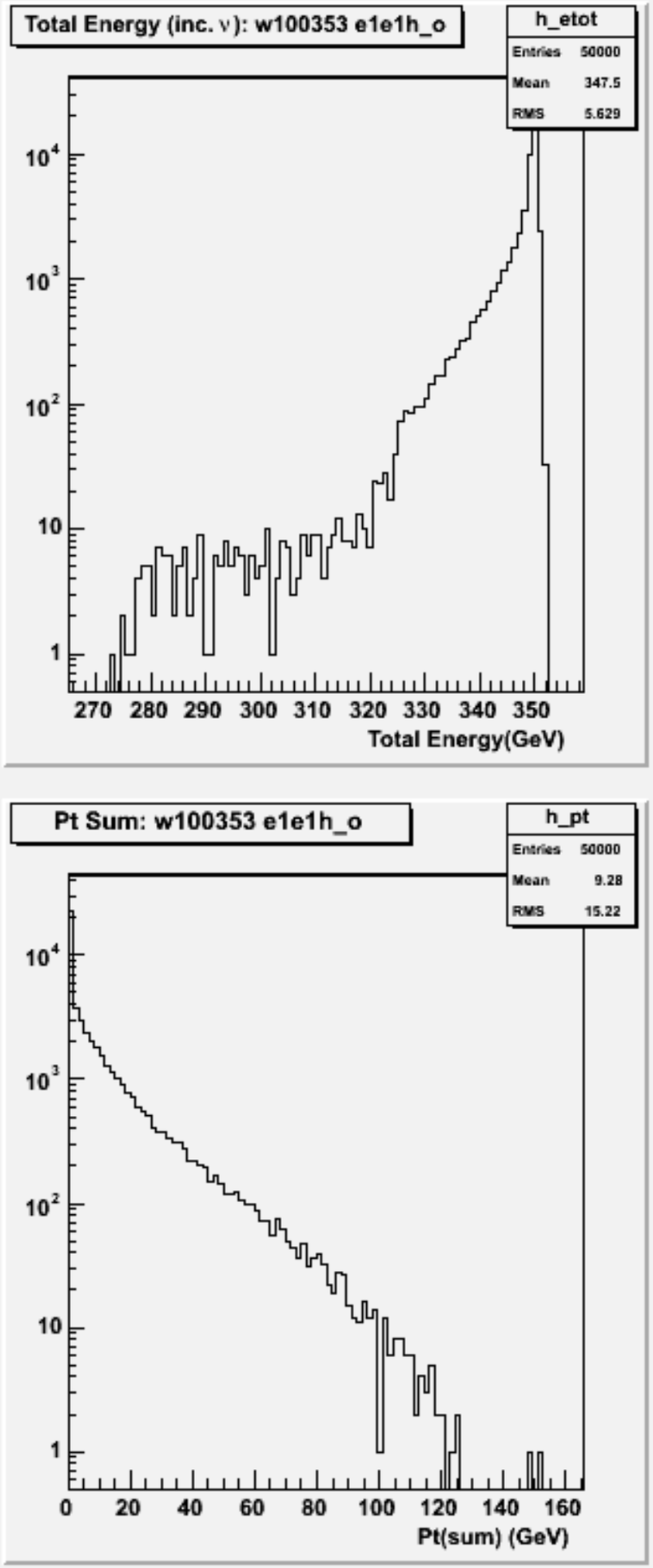

Total Energy (inc. ν): w100353 e1e1h_o
h_etotc
Entries 46329
Mean 348.7
RMS 2.259
Total Energy(GeV)

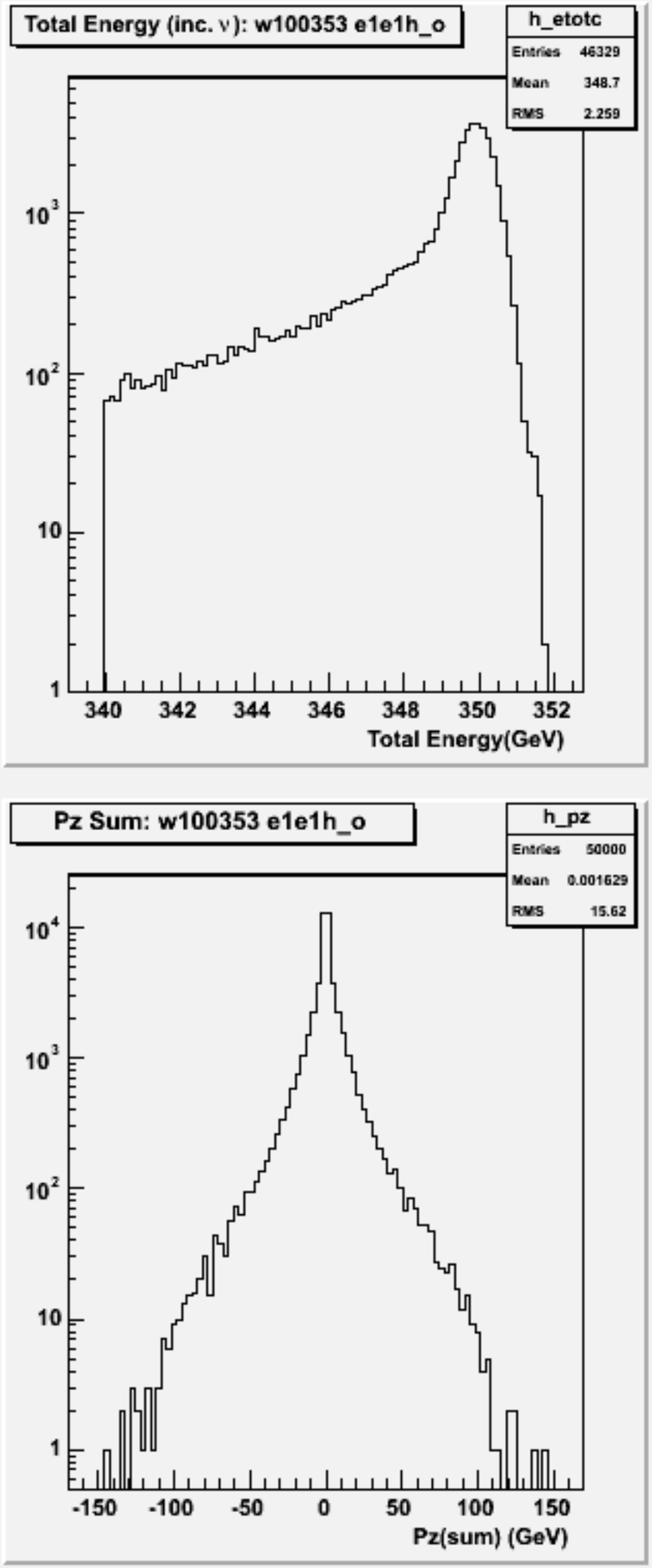

Total Energy (w/o ν): w100353 e1e1h_o
h_evis
Entries 50000
Mean 331.5
RMS 26.73
Energy(GeV)

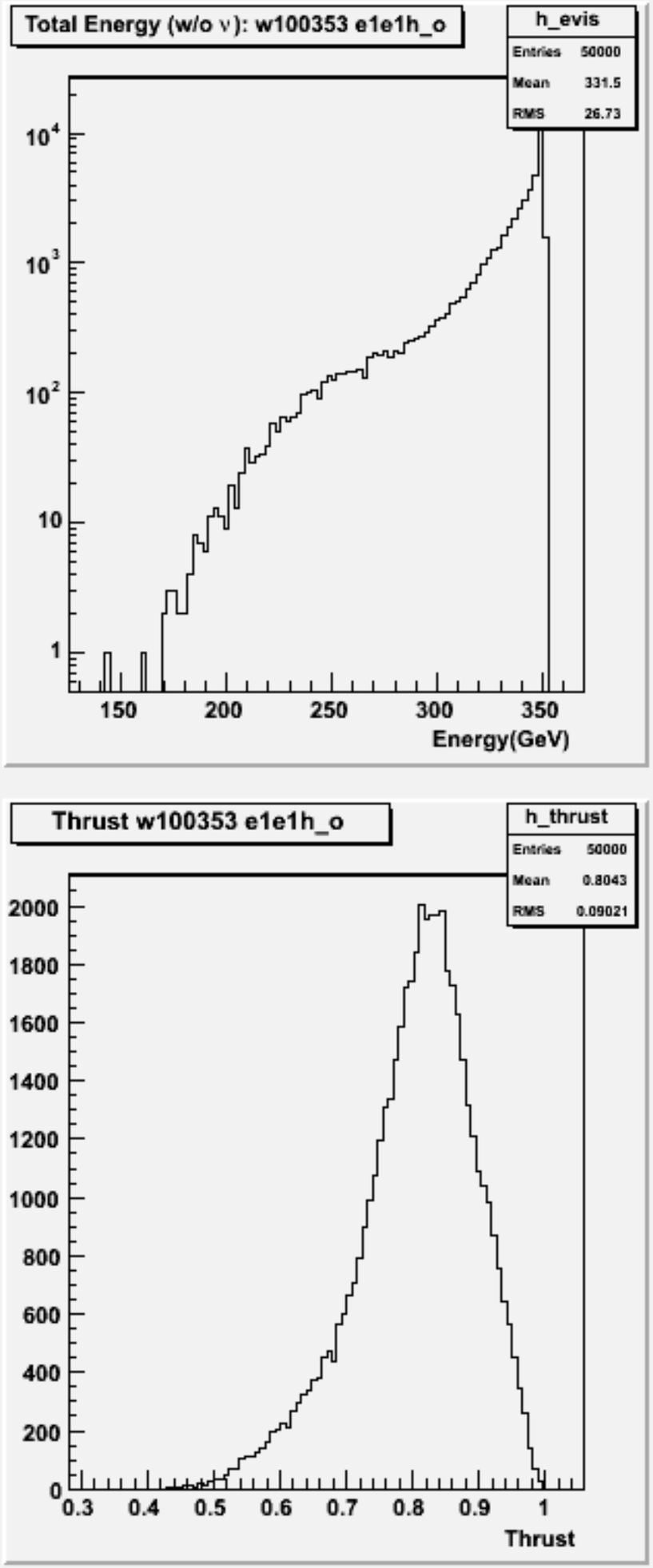
Pt Sum: w100353 e1e1h_o
h_pt
Entries 50000
Mean 9.28
RMS 15.22
Pt(sum) (GeV)

Pz Sum: w100353 e1e1h_o
h_pz
Entries 50000
Mean 0.001629
RMS 15.62
Pz(sum) (GeV)

Thrust w100353 e1e1h_o
h_thrust
Entries 50000
Mean 0.8043
RMS 0.09021
Thrust


Total Energy (inc. ν): w100353 e1e1h_o
h_etot
Entries 50000
Mean 347.5
RMS 5.629
Total Energy(GeV)

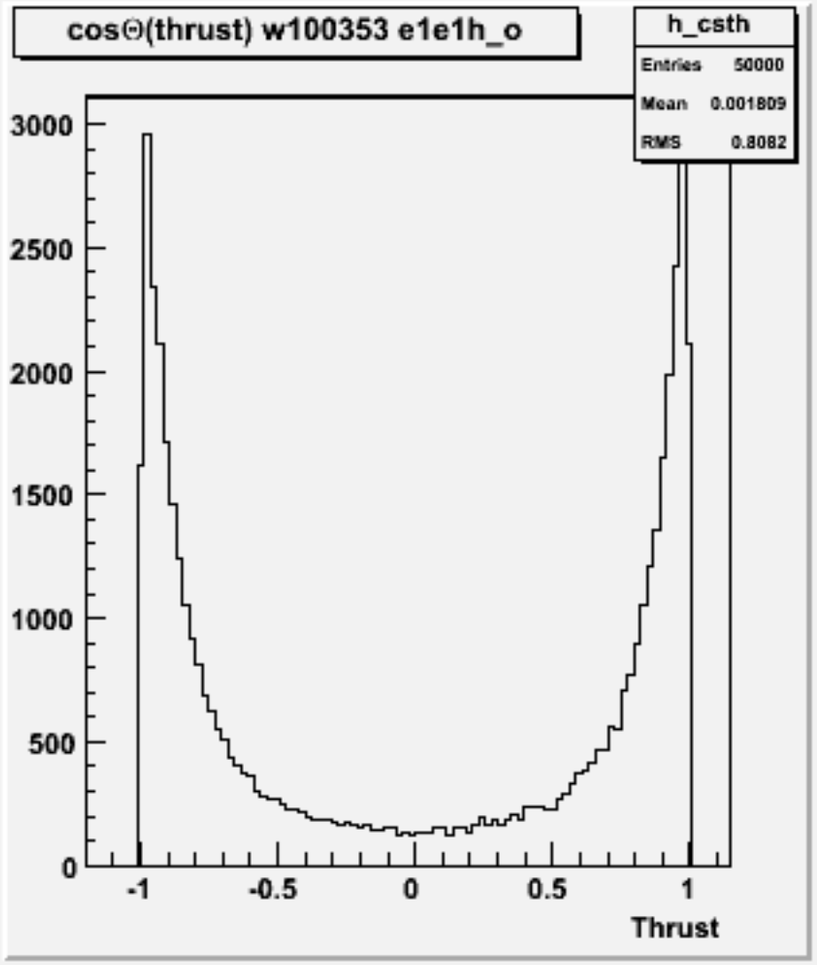

Total Energy (inc. ν): w100353 e1e1h_o
h_etotc
Entries 46329
Mean 348.7
RMS 2.259
Total Energy(GeV)

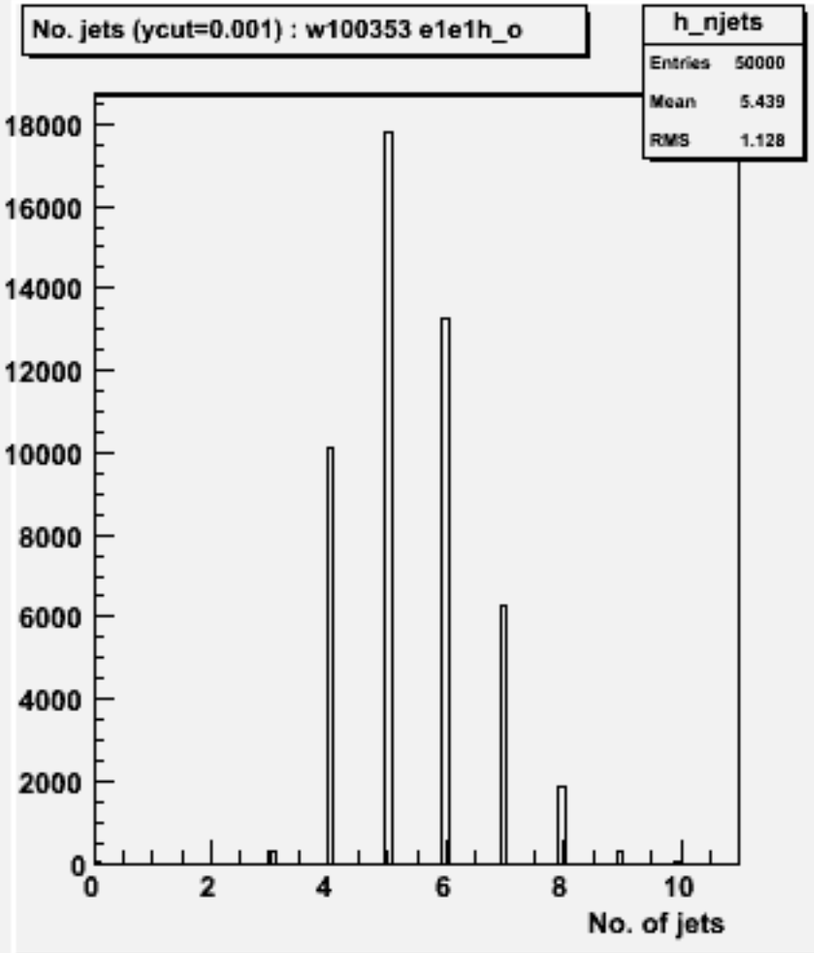

Total Energy (w/o ν): w100353 e1e1h_o
h_evis
Entries 50000
Mean 331.5
RMS 26.73
Energy(GeV)

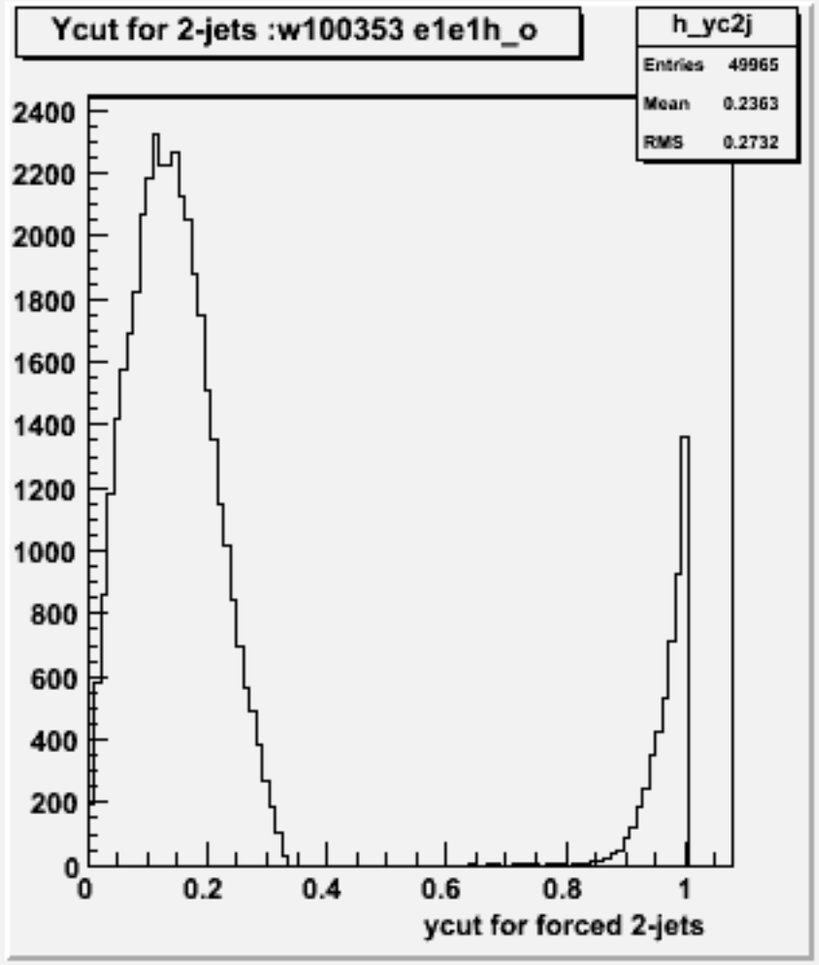
Pt Sum: w100353 e1e1h_o
h_pt
Entries 50000
Mean 9.28
RMS 15.22
Pt(sum) (GeV)

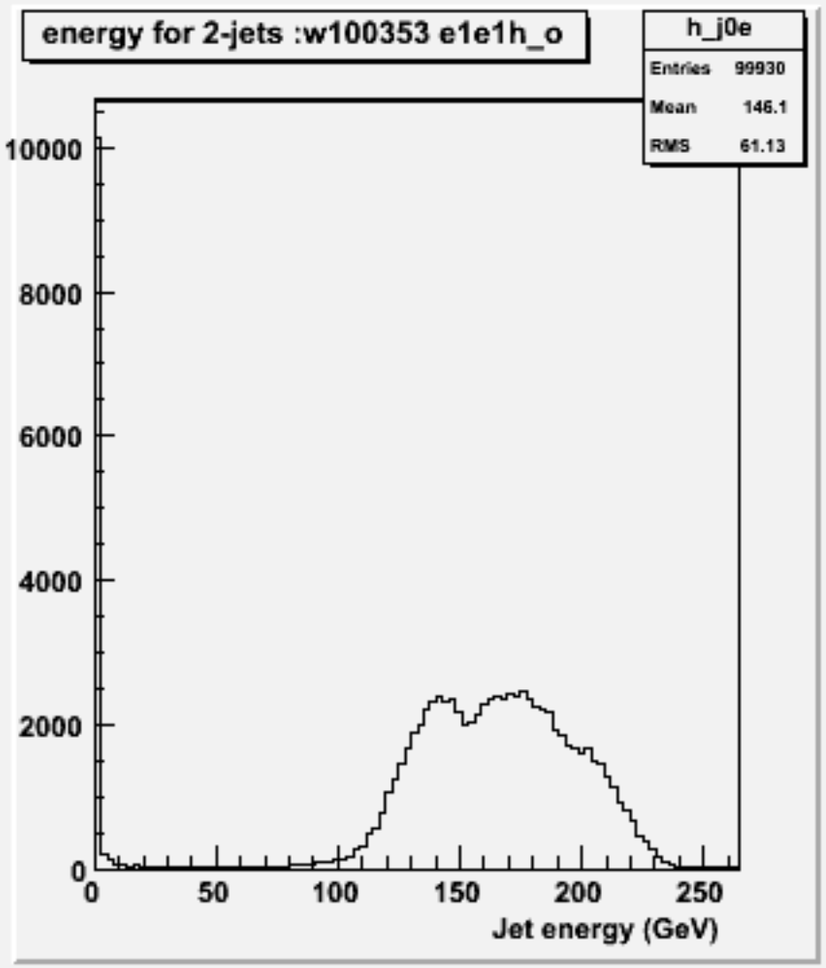
Pz Sum: w100353 e1e1h_o
h_pz
Entries 50000
Mean 0.001629
RMS 15.62
Pz(sum) (GeV)

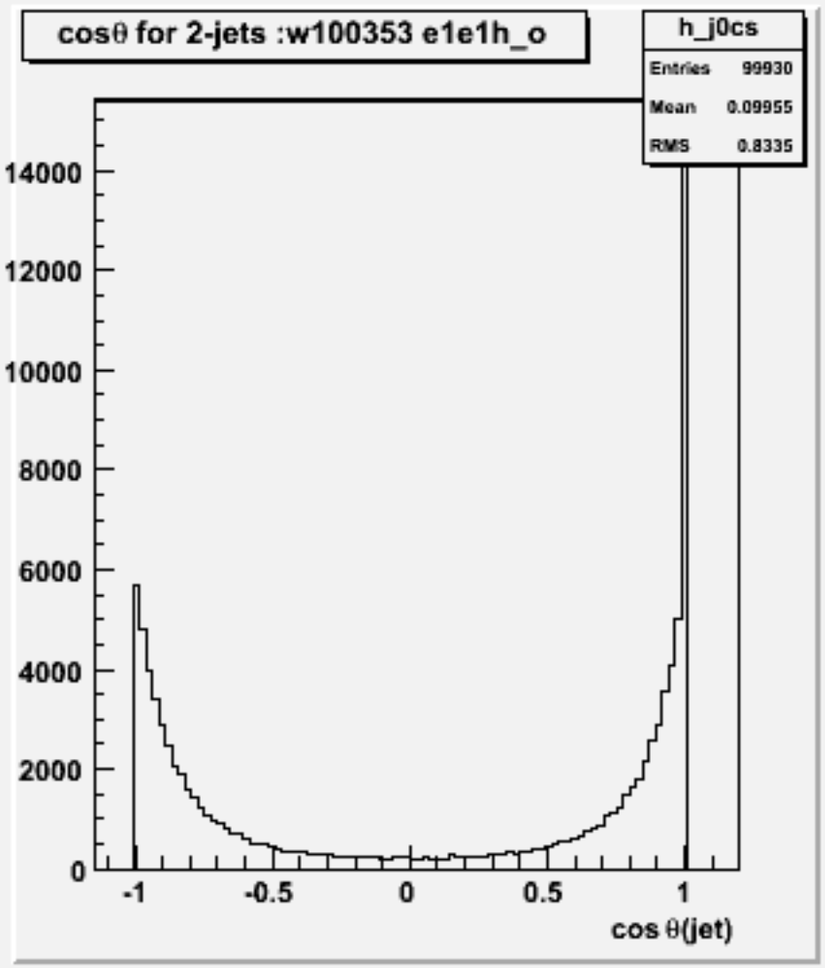
Thrust w100353 e1e1h_o
h_thrust
Entries 50000
Mean 0.8043
RMS 0.09021
Thrust

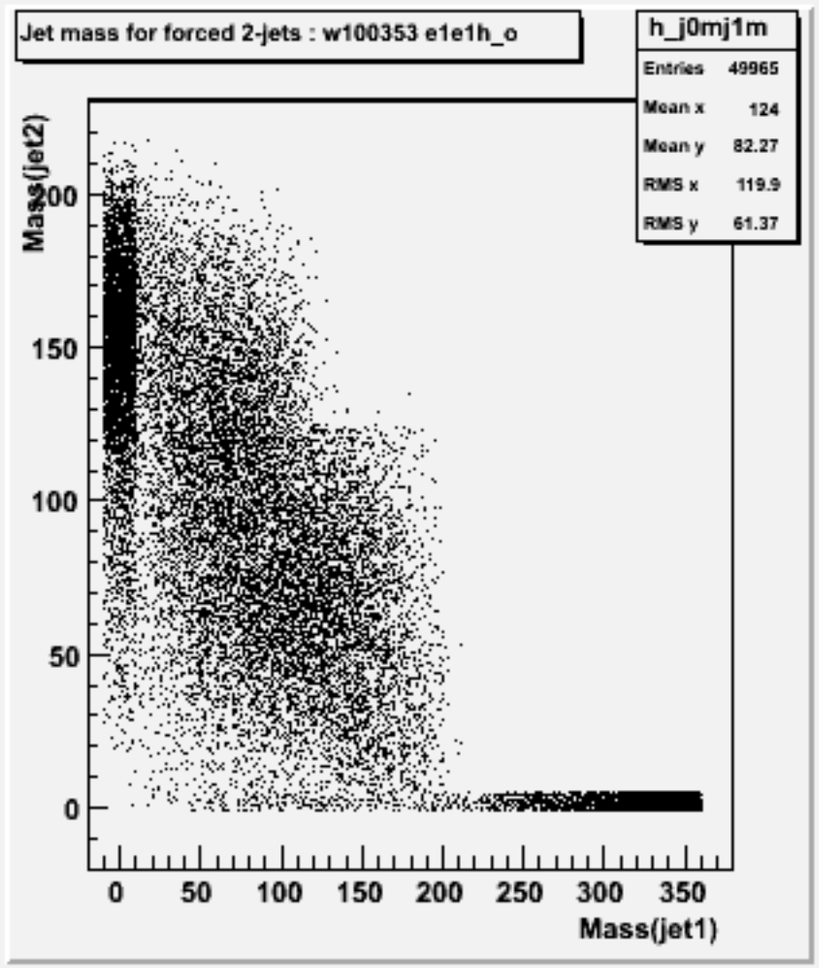

cosΘ(thrust) w100353 e1e1h_o
h_csth
Entries 50000
Mean 0.001809
RMS 0.8082
Thrust

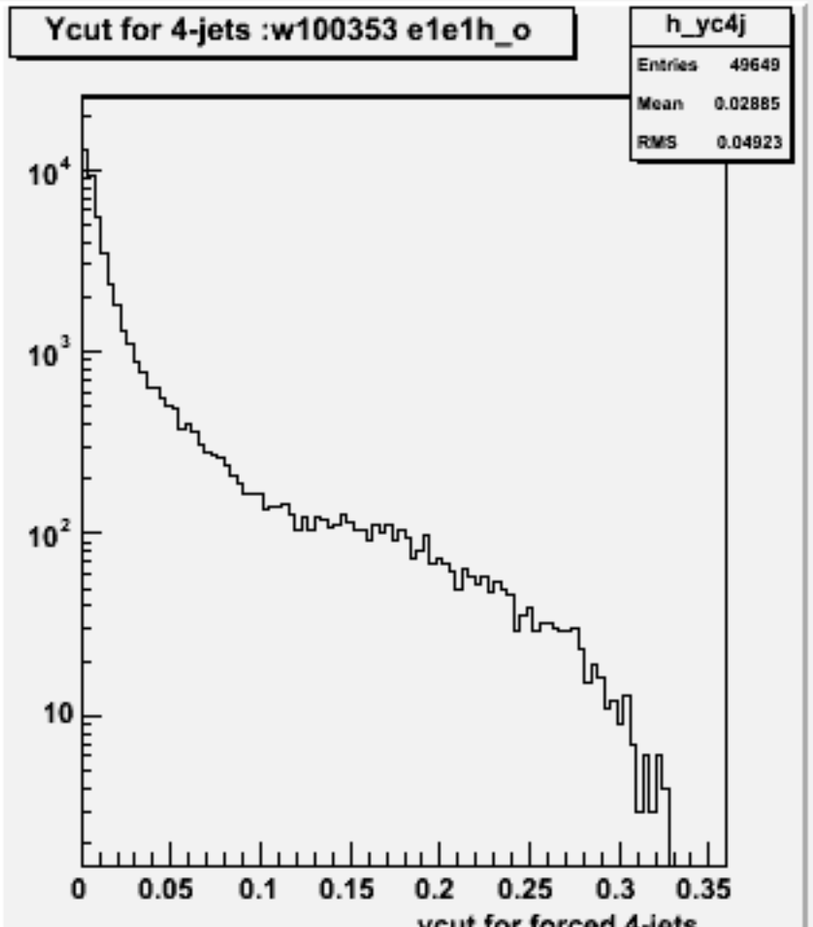

No. jets (ycut=0.001) : w100353 e1e1h_o
h_njets
Entries 50000
Mean 5.439
RMS 1.128
No. of jets

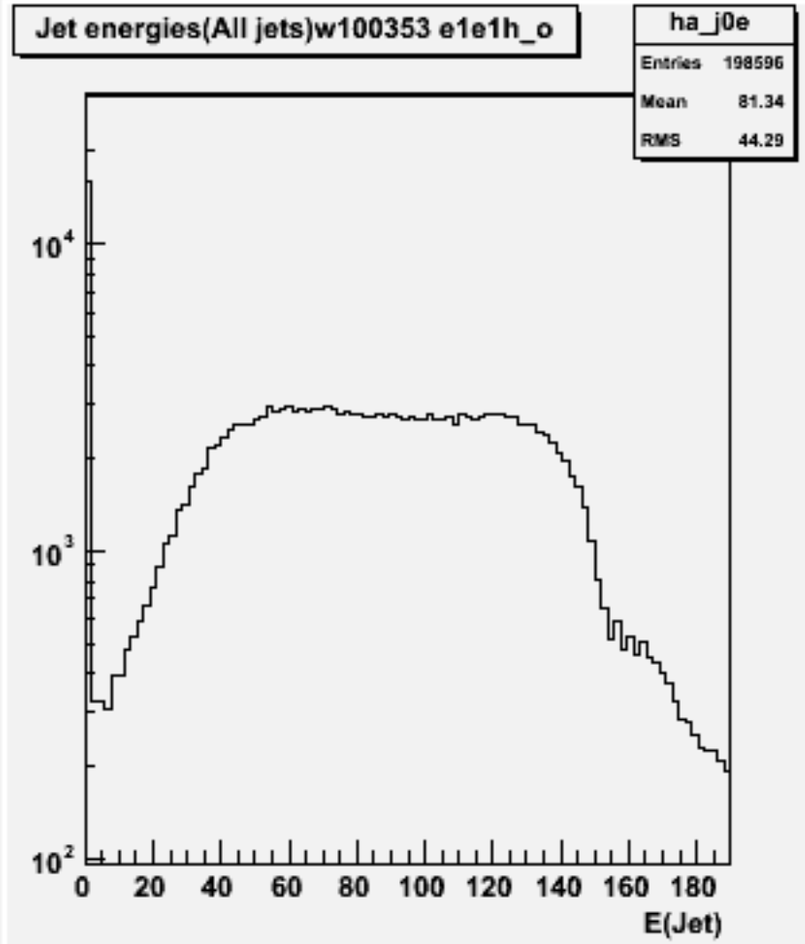

Ycut for 2-jets :w100353 e1e1h_o
h_yc2j
Entries 49965
Mean 0.2363
RMS 0.2732
ycut for forced 2-jets

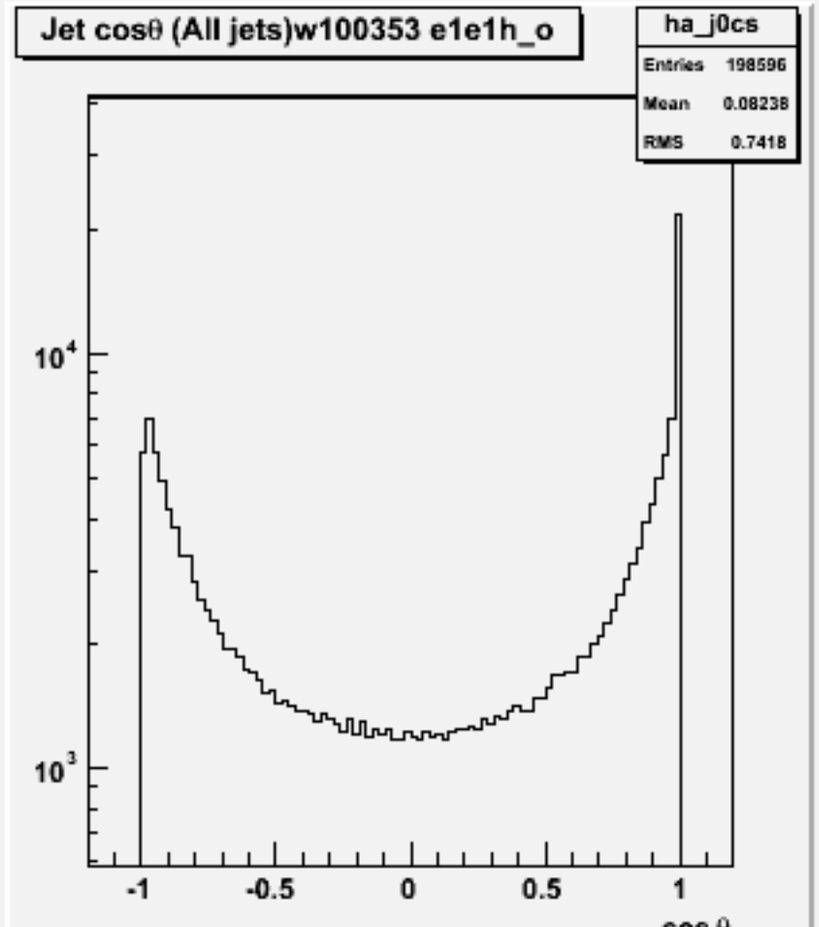

energy for 2-jets :w100353 e1e1h_o
h_j0e
Entries 99930
Mean 146.1
RMS 61.13
Jet energy (GeV)

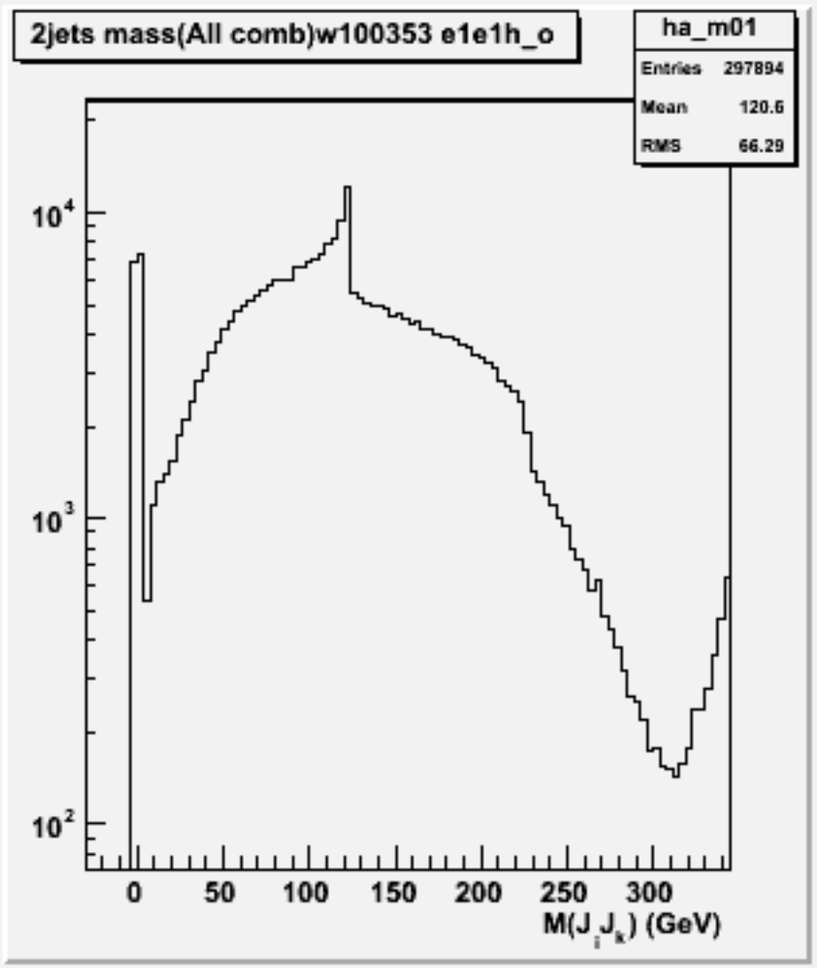

cosθ for 2-jets :w100353 e1e1h_o
h_j0cs
Entries 99930
Mean 0.09955
RMS 0.8335
cos θ(jet)

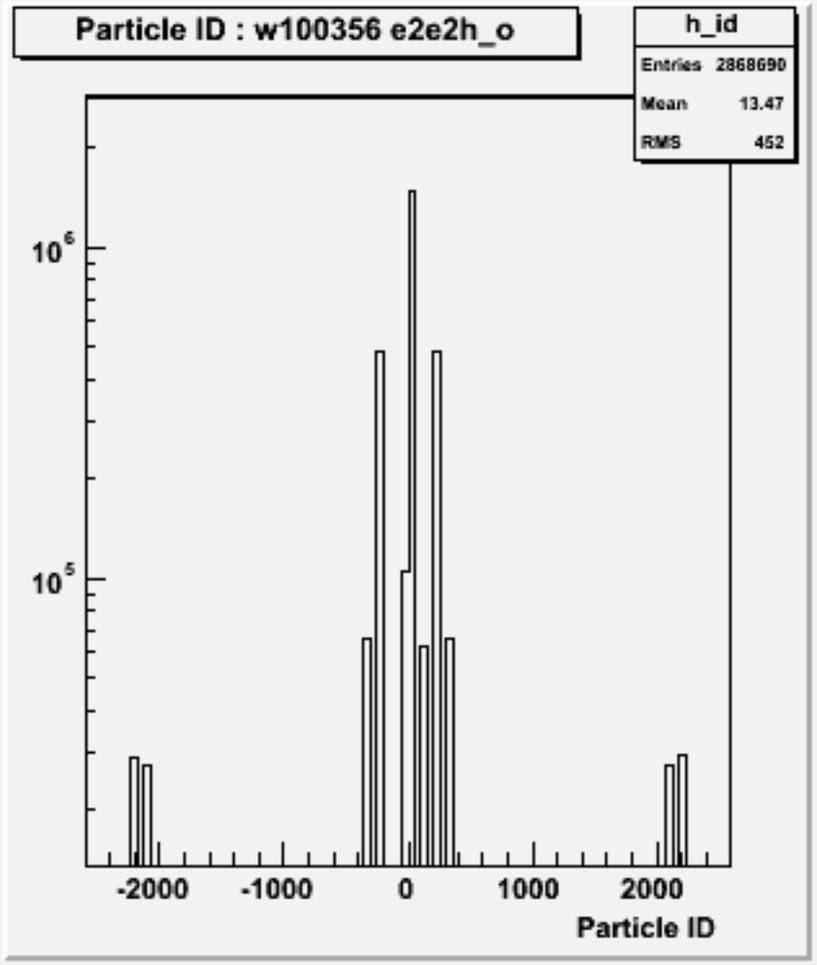

Jet mass for forced 2-jets : w100353 e1e1h_o
h_j0mj1m
Entries 49965
Mean x 124
Mean y 82.27
RMS x 119.9
RMS y 61.37
Mass(jet2)
Mass(jet1)

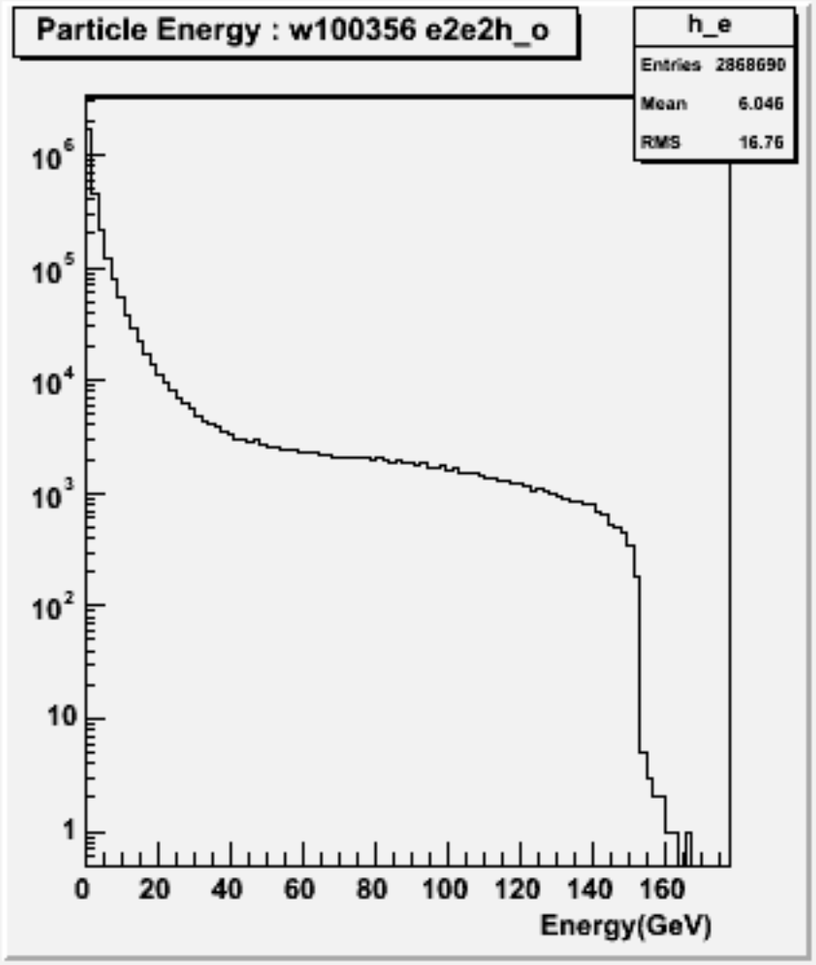

Ycut for 4-jets :w100353 e1e1h_o
h_yc4j
Entries 49649
Mean 0.02885
RMS 0.04923
ycut for forced 4-jets

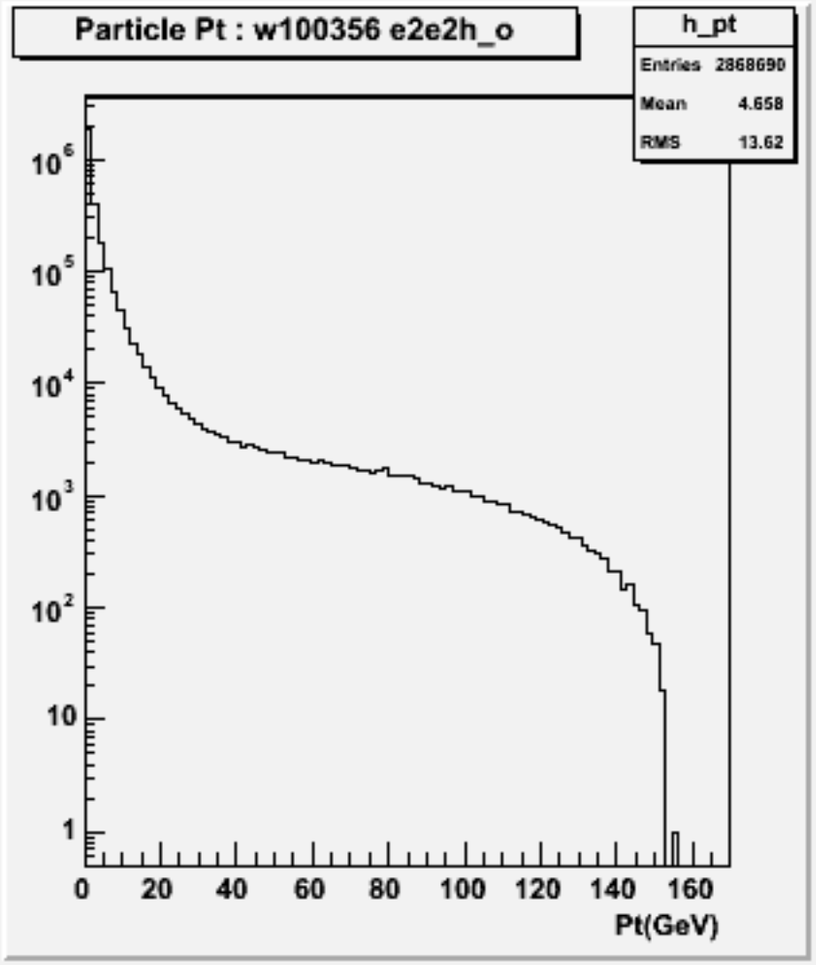

Jet energies(All jets)w100353 e1e1h_o
ha_j0e
Entries 198596
Mean 81.34
RMS 44.29
E(Jet)

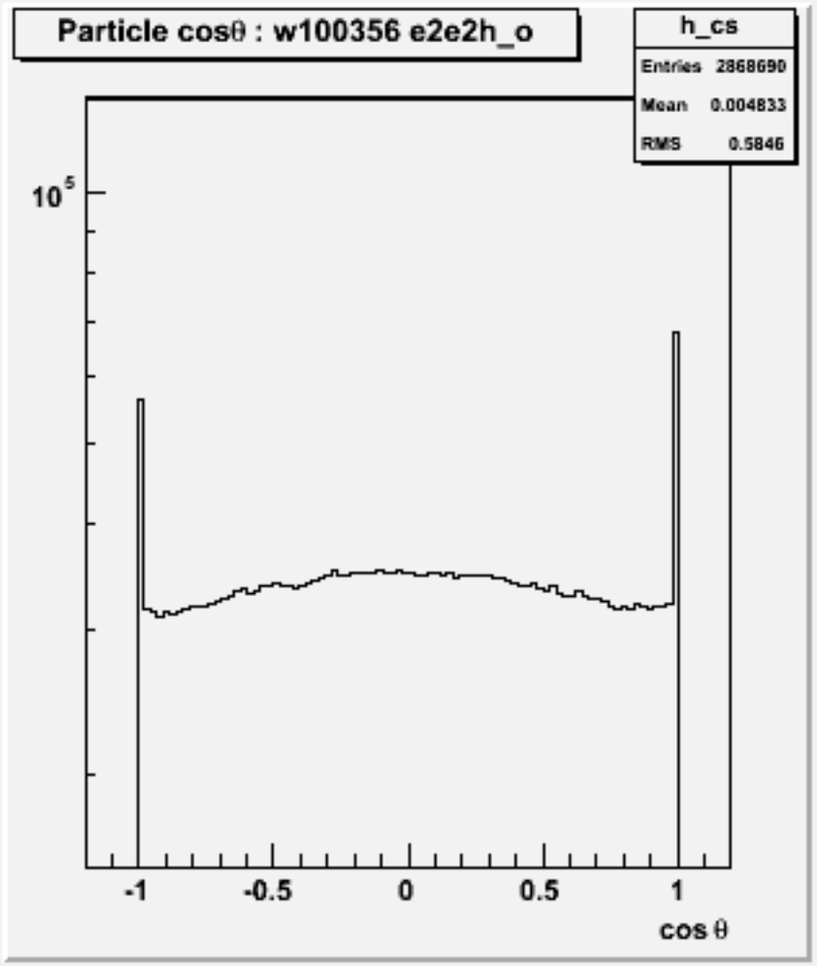

Jet cosθ (All jets)w100353 e1e1h_o
ha_j0cs
Entries 198596
Mean 0.08238
RMS 0.7418
cos θ

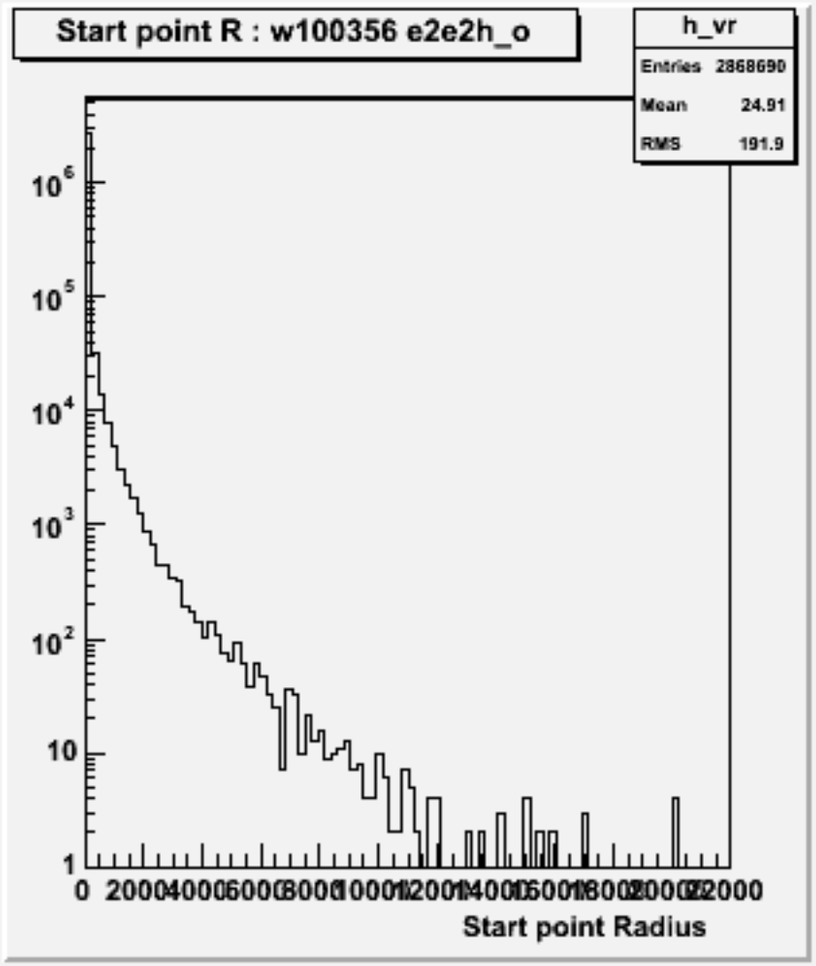

2jets mass(All comb)w100353 e1e1h_o
ha_m01
Entries 297894
Mean 120.6
RMS 66.29
M(J_iJ_k) (GeV)

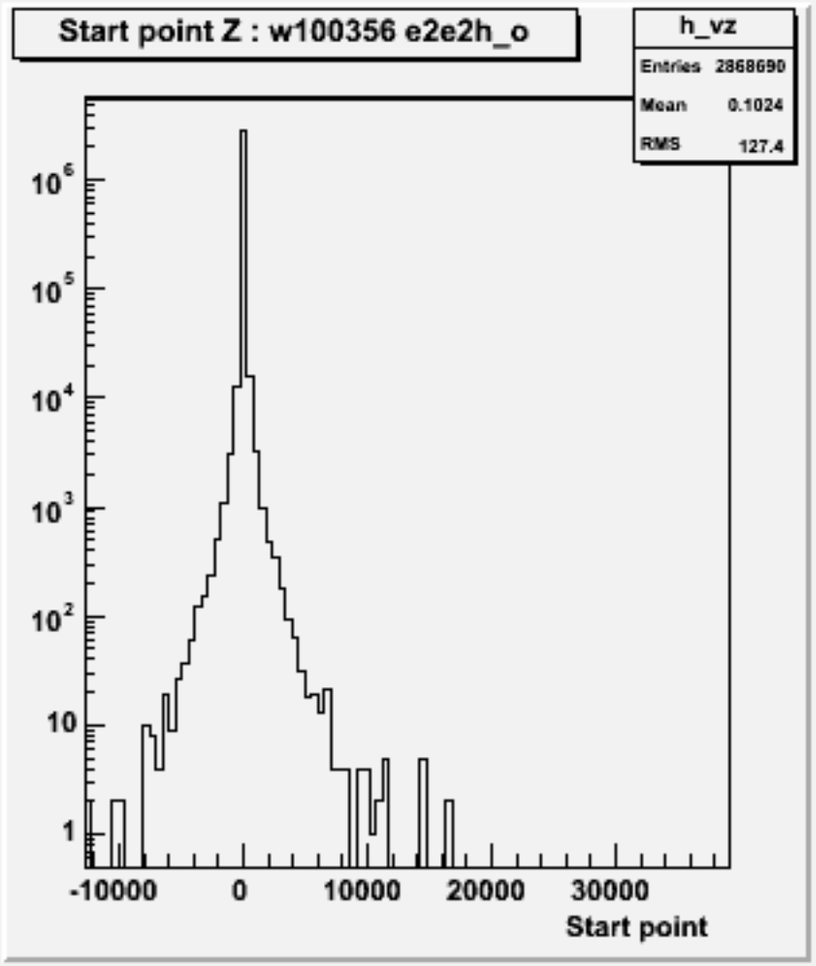

Particle ID : w100356 e2e2h_o
h_id
Entries 2868690
Mean 13.47
RMS 452
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

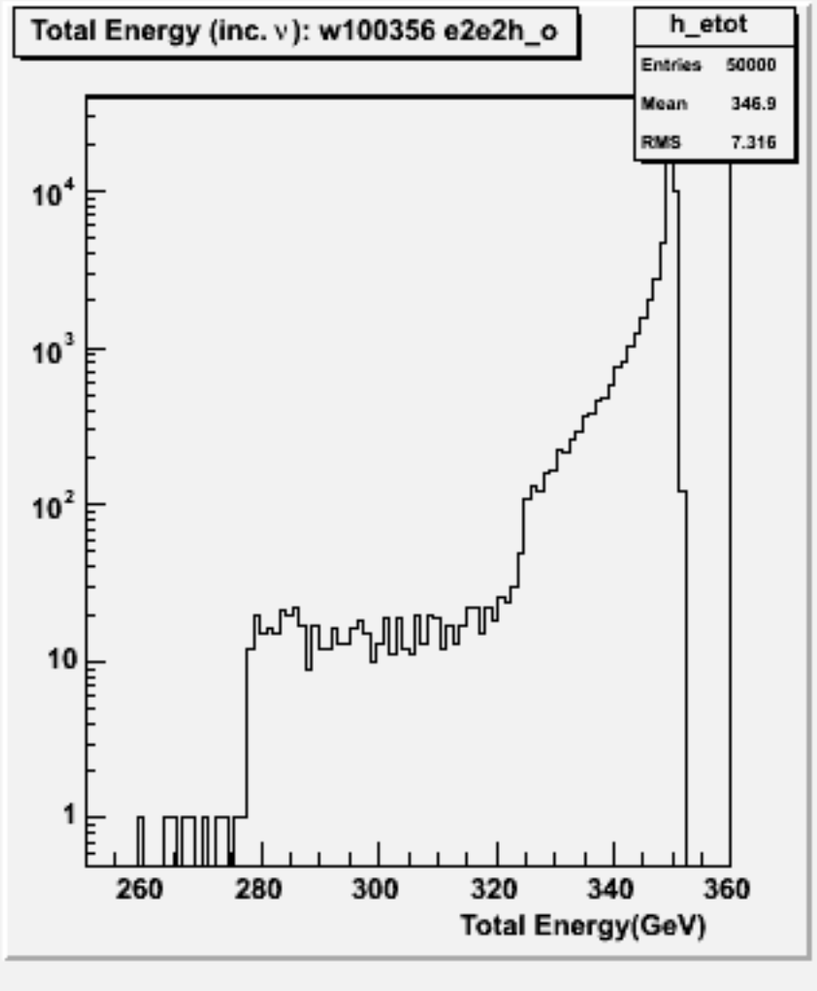

Particle Energy : w100356 e2e2h_o
h_e
Entries 2868690
Mean 6.046
RMS 16.76
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

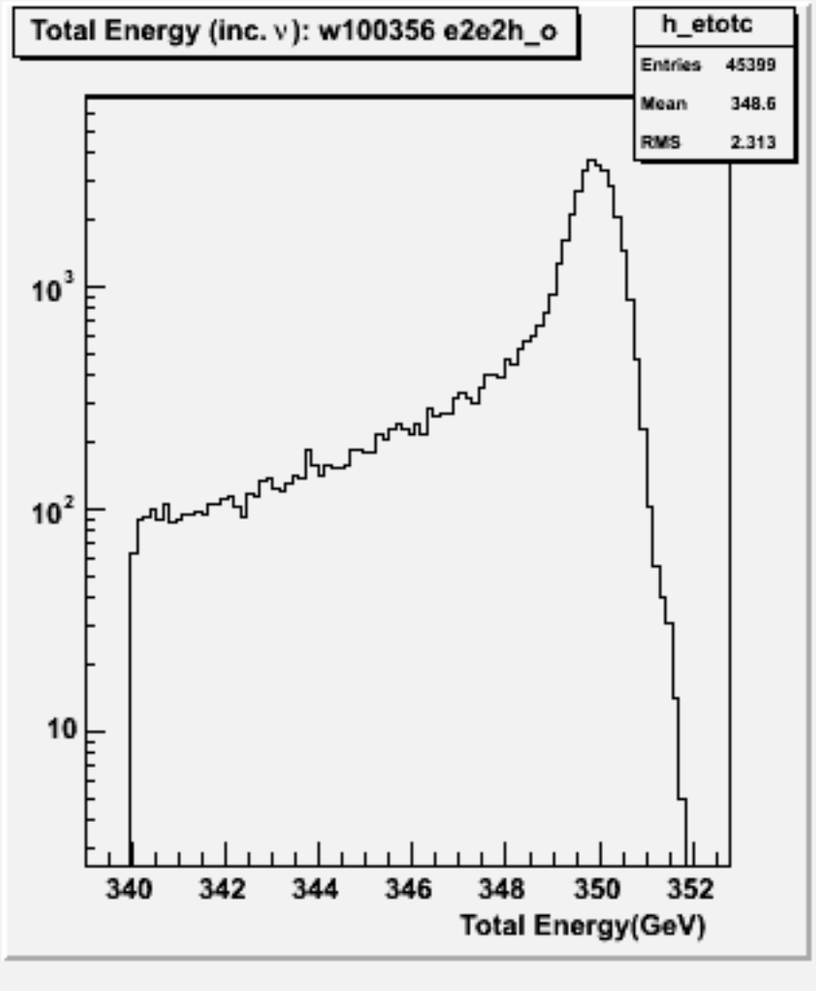

Particle Pt : w100356 e2e2h_o
h_pt
Entries 2868690
Mean 4.658
RMS 13.62
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

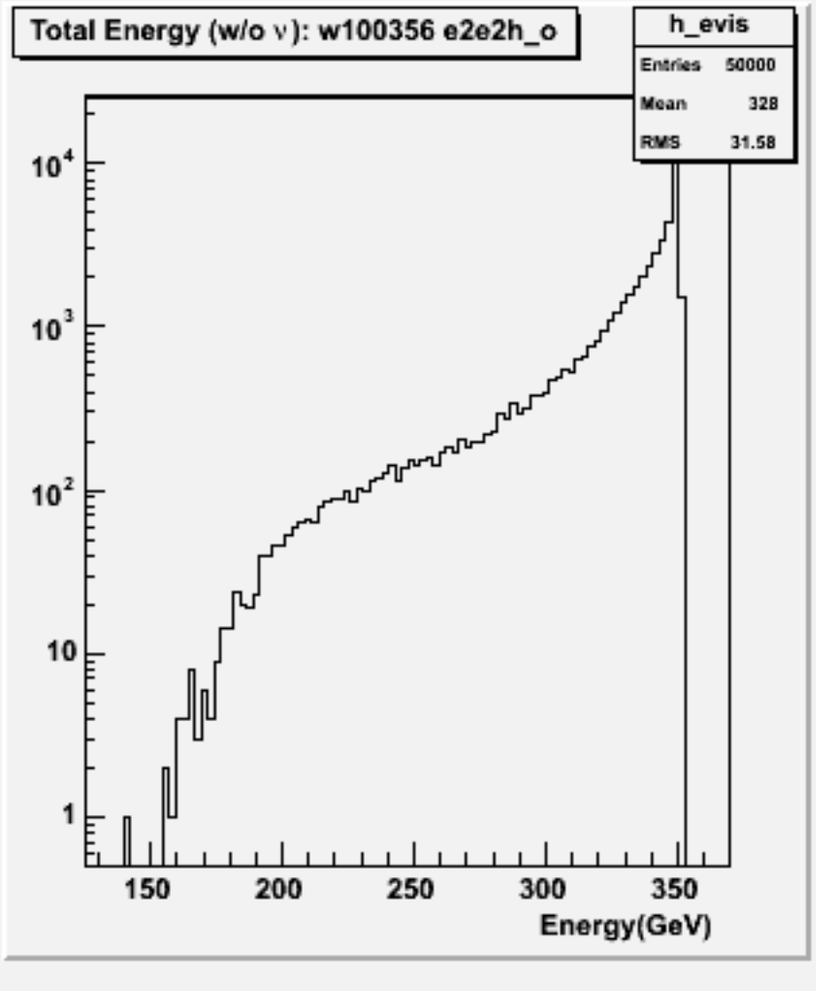

Particle cosθ : w100356 e2e2h_o
h_cs
Entries 2868690
Mean 0.004833
RMS 0.5846
10^5
-1
-0.5
0
0.5
1
cos θ

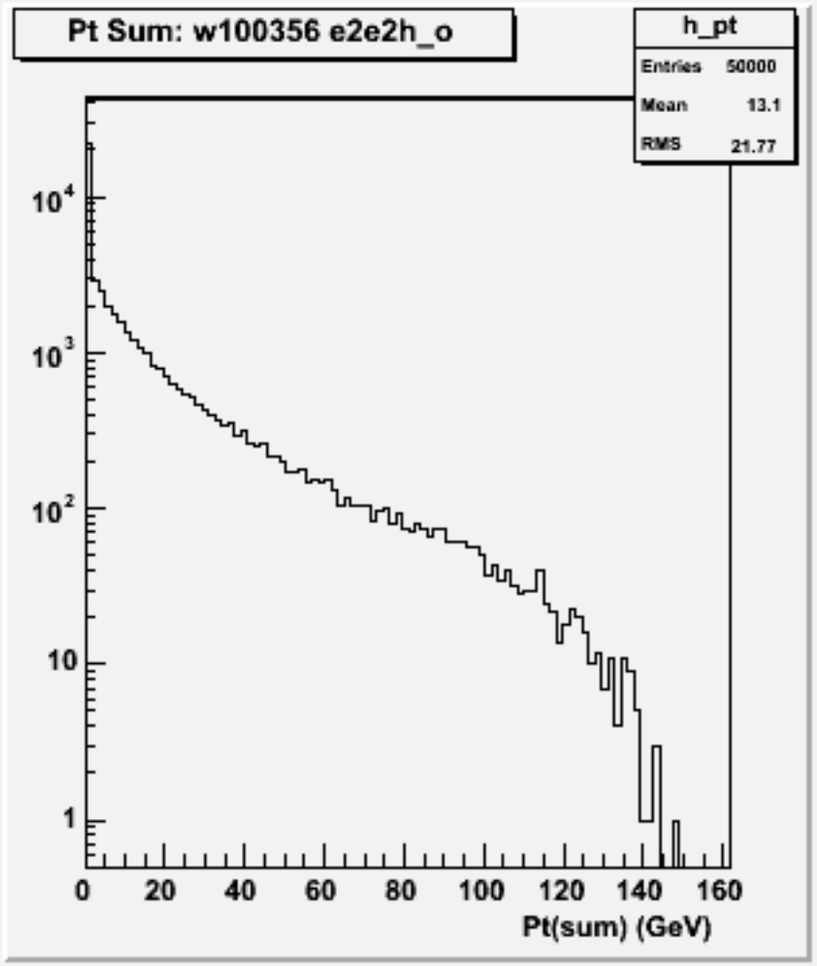

Start point R : w100356 e2e2h_o
h_vr
Entries 2868690
Mean 24.91
RMS 191.9
10^6
10^5
10^4
10^3
10^2
10
1
0
Start point Radius

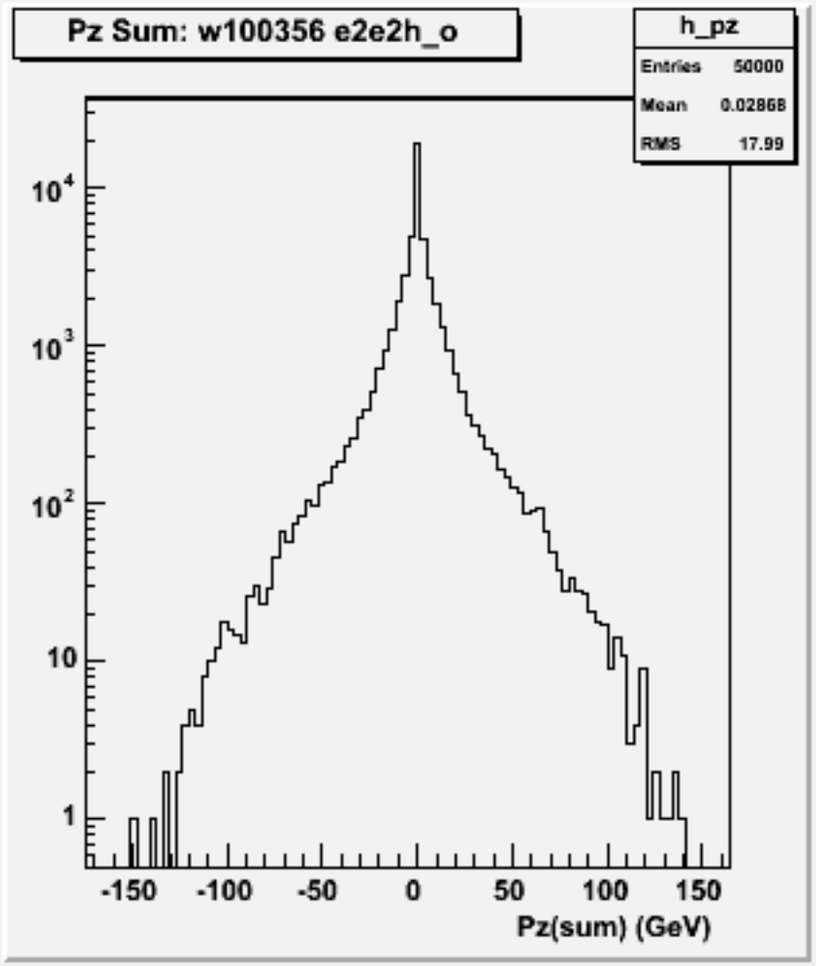

Start point Z : w100356 e2e2h_o
h_vz
Entries 2868690
Mean 0.1024
RMS 127.4
10^6
10^5
10^4
10^3
10^2
10
1
-10000
0
10000
20000
30000
Start point

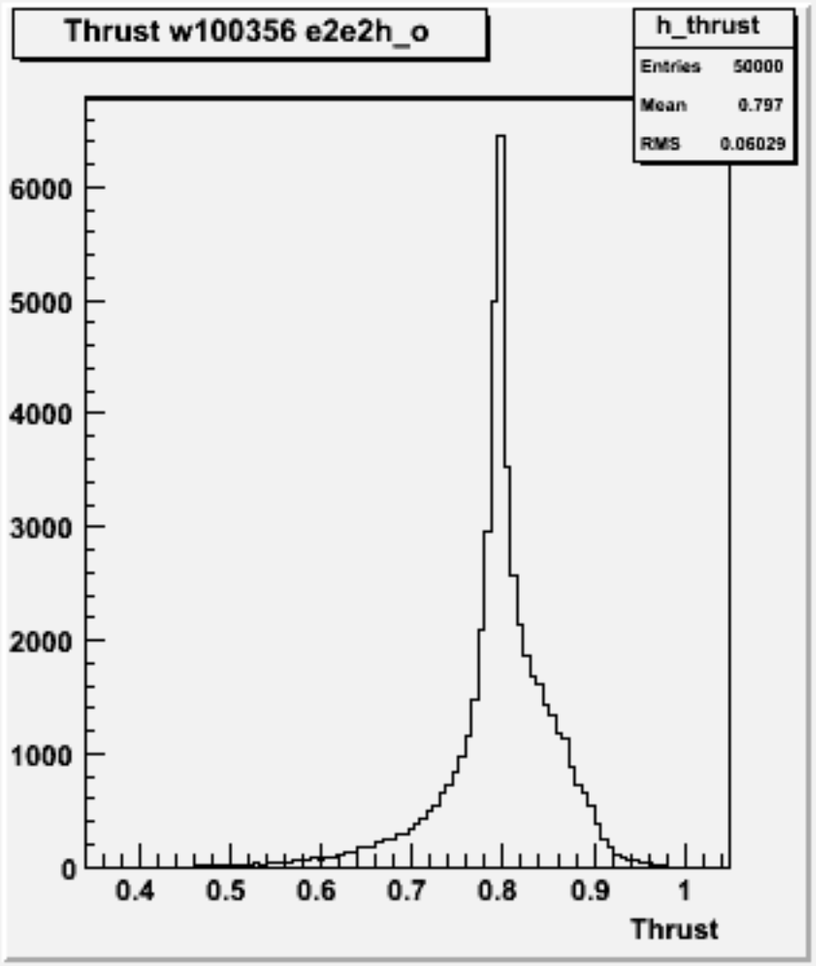

Total Energy (inc. ν): w100356 e2e2h_o
h_etot
Entries 50000
Mean 346.9
RMS 7.316
Total Energy(GeV)

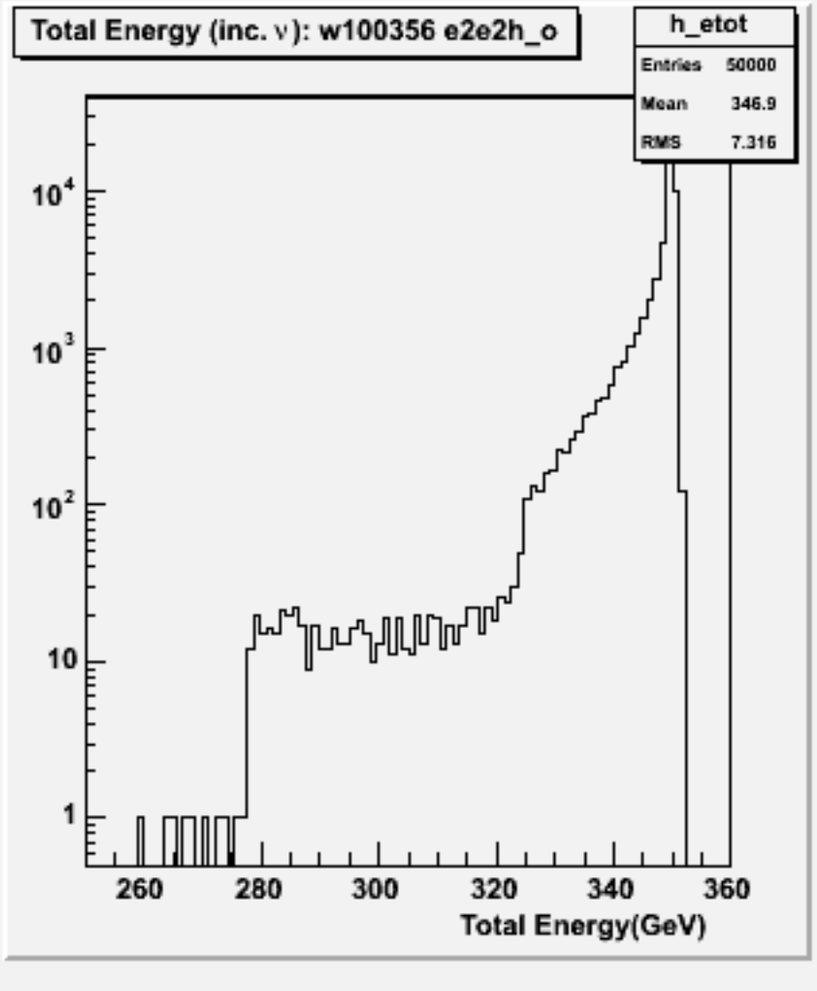

Total Energy (inc. ν): w100356 e2e2h_o
h_etotc
Entries 45399
Mean 348.6
RMS 2.313
Total Energy(GeV)

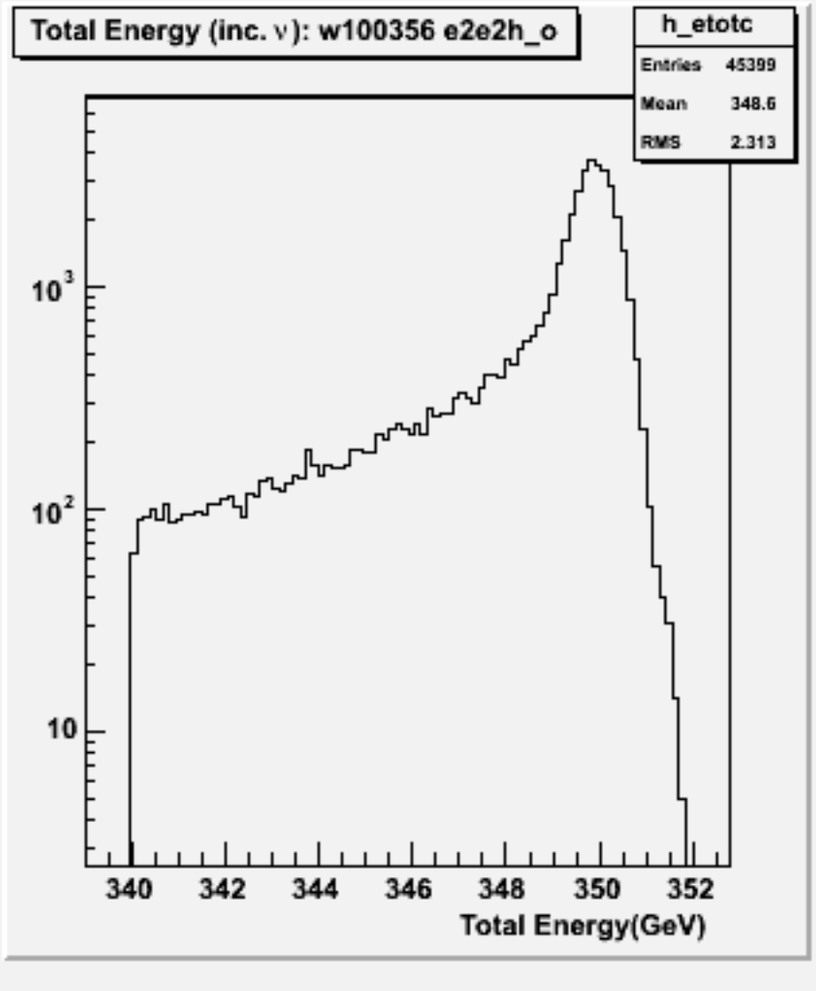

Total Energy (w/o ν): w100356 e2e2h_o
h_evis
Entries 50000
Mean 328
RMS 31.58
Energy(GeV)

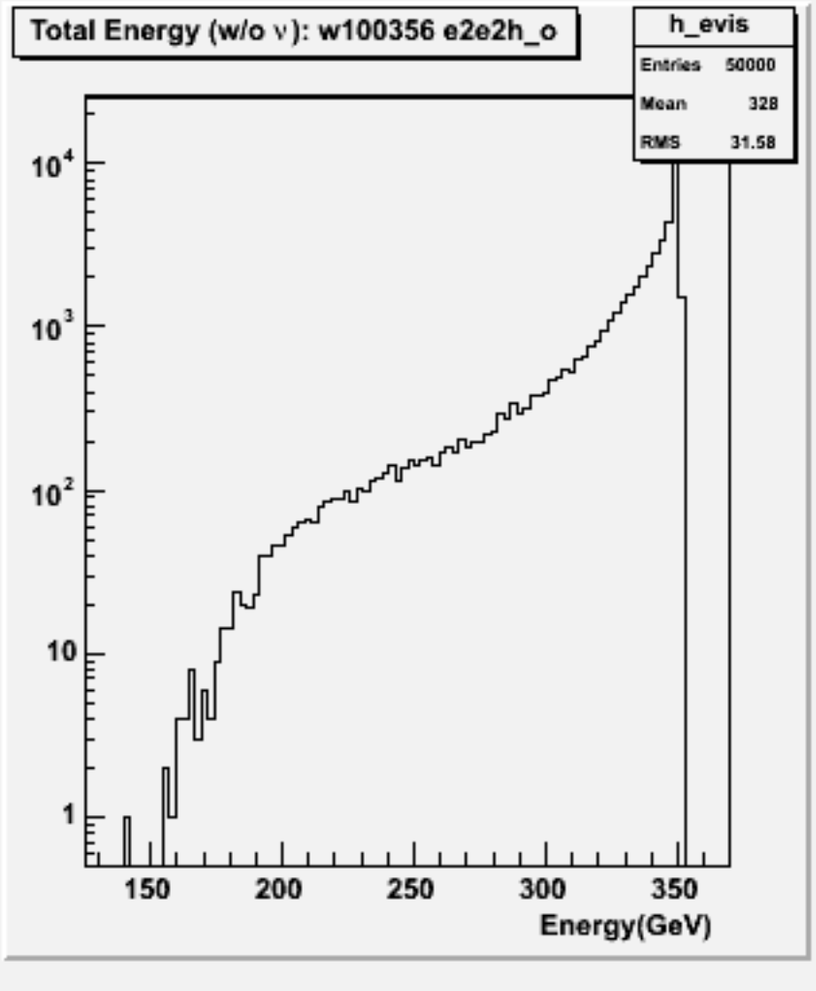

Pt Sum: w100356 e2e2h_o
h_pt
Entries 50000
Mean 13.1
RMS 21.77
Pt(sum) (GeV)

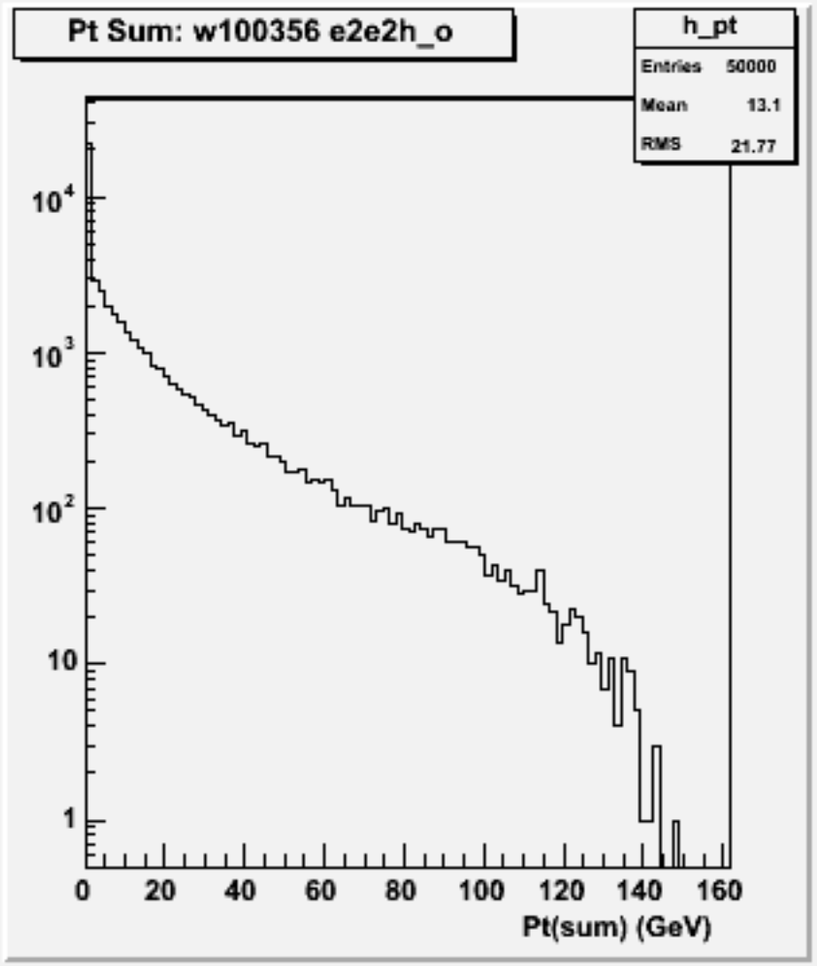

Pz Sum: w100356 e2e2h_o
h_pz
Entries 50000
Mean 0.02868
RMS 17.99
Pz(sum) (GeV)

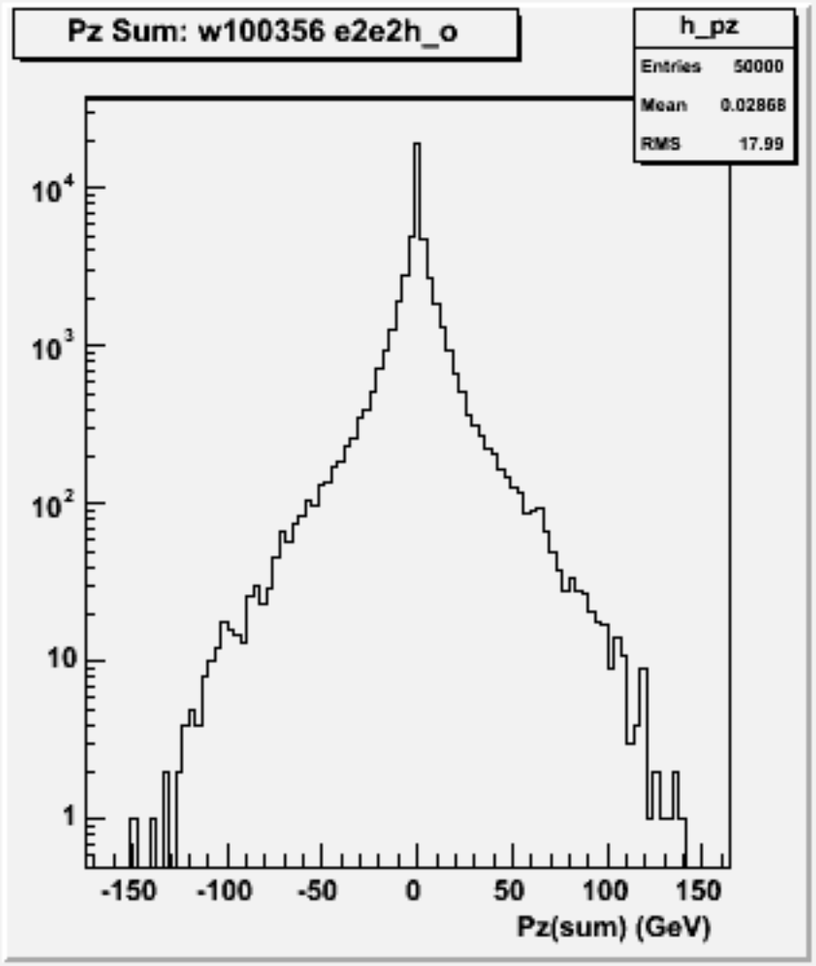

Thrust w100356 e2e2h_o
h_thrust
Entries 50000
Mean 0.797
RMS 0.06029
Thrust

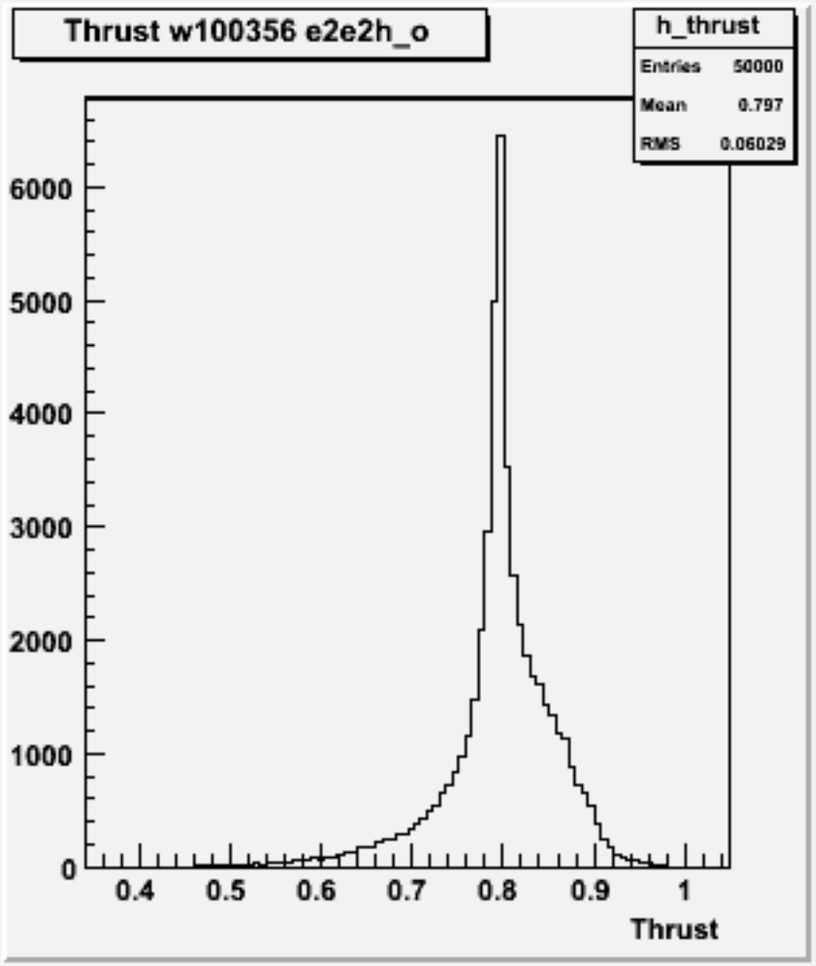

Total Energy (inc. ν): w100356 e2e2h_o
h_etot
Entries 50000
Mean 346.9
RMS 7.316
Total Energy(GeV)

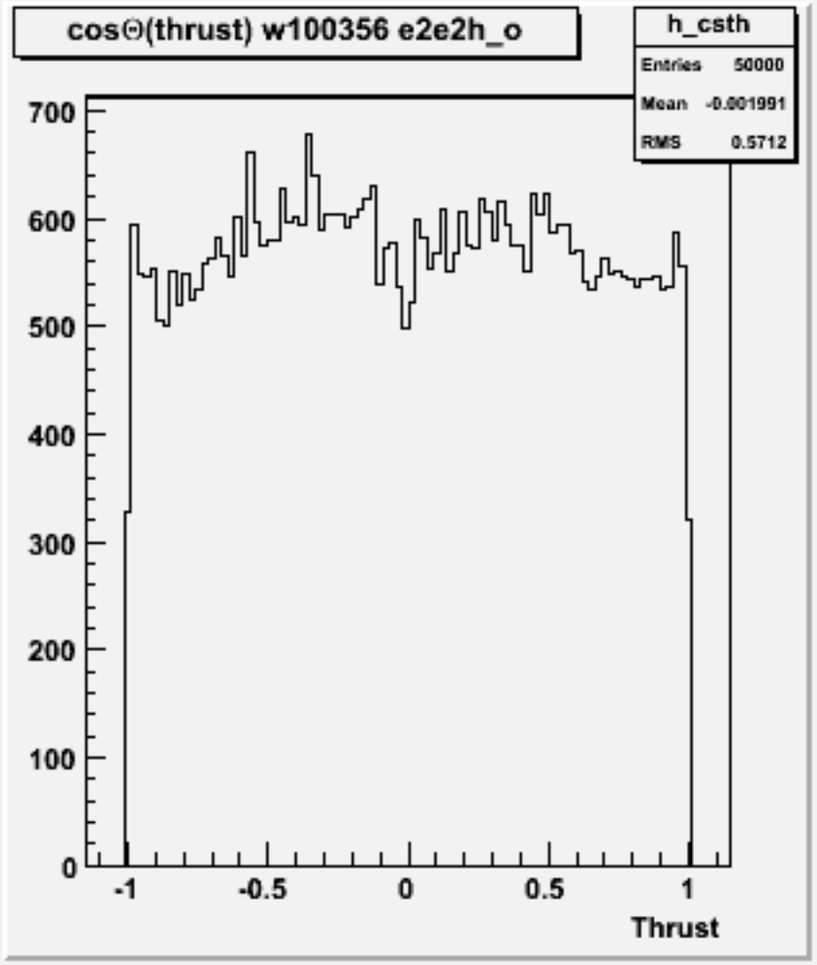

Total Energy (inc. ν): w100356 e2e2h_o
h_etotc
Entries 45399
Mean 348.6
RMS 2.313
Total Energy(GeV)

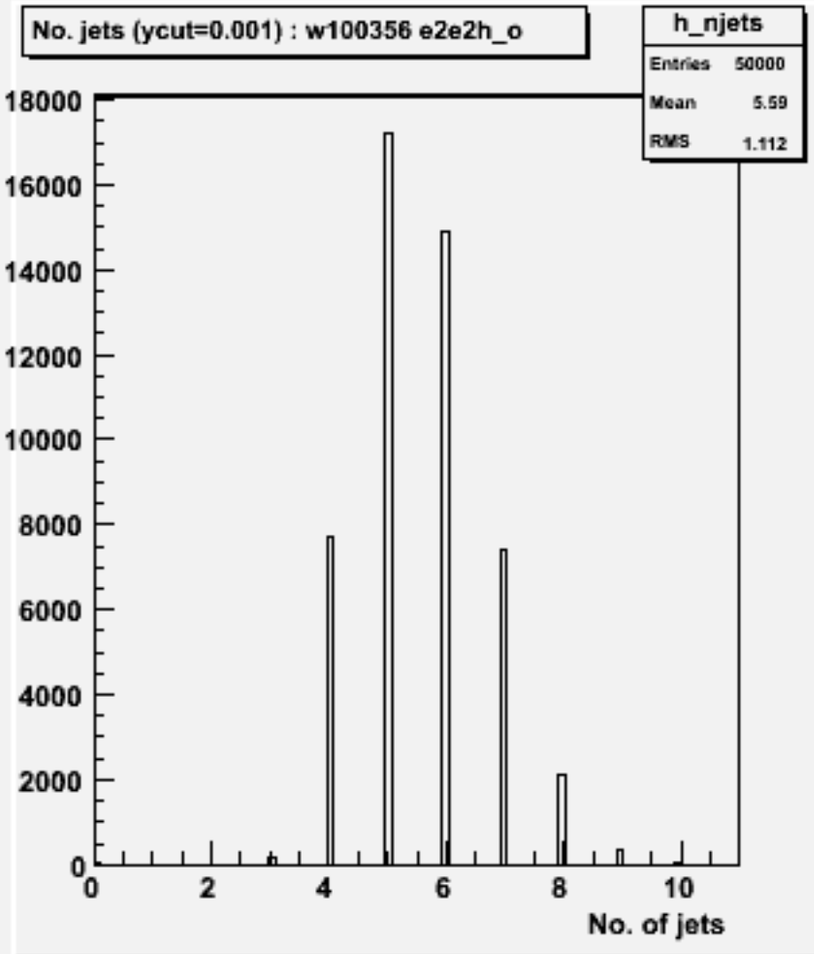

Total Energy (w/o ν): w100356 e2e2h_o
h_evis
Entries 50000
Mean 328
RMS 31.58
Energy(GeV)

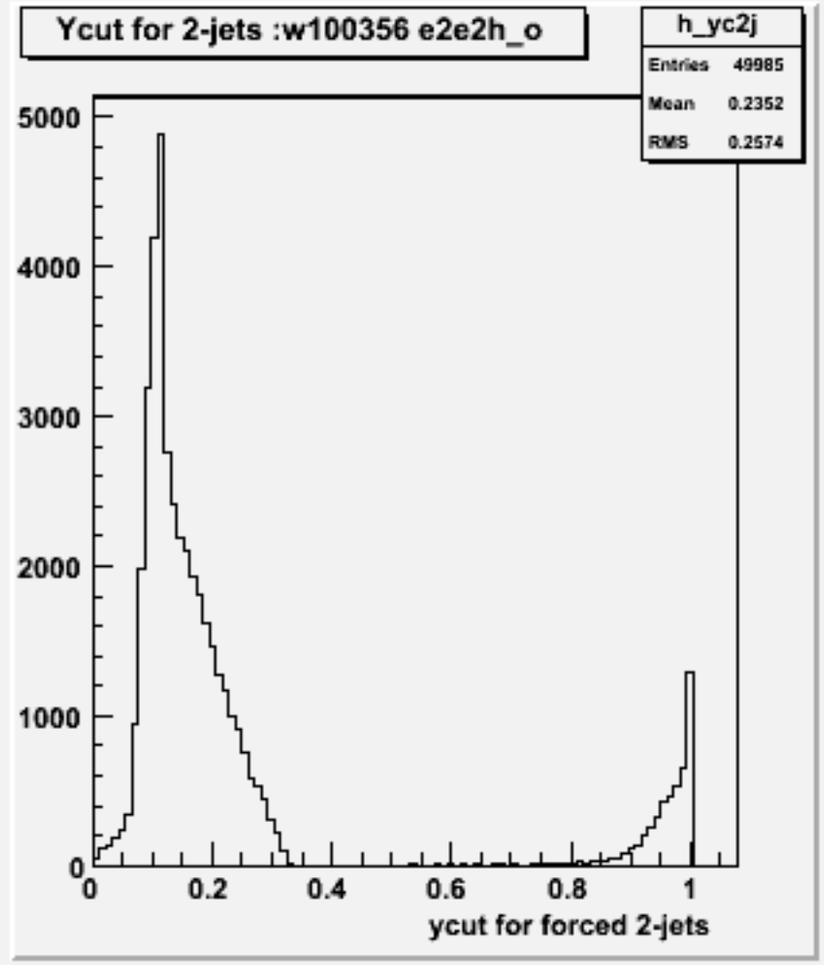

Pt Sum: w100356 e2e2h_o
h_pt
Entries 50000
Mean 13.1
RMS 21.77
Pt(sum) (GeV)

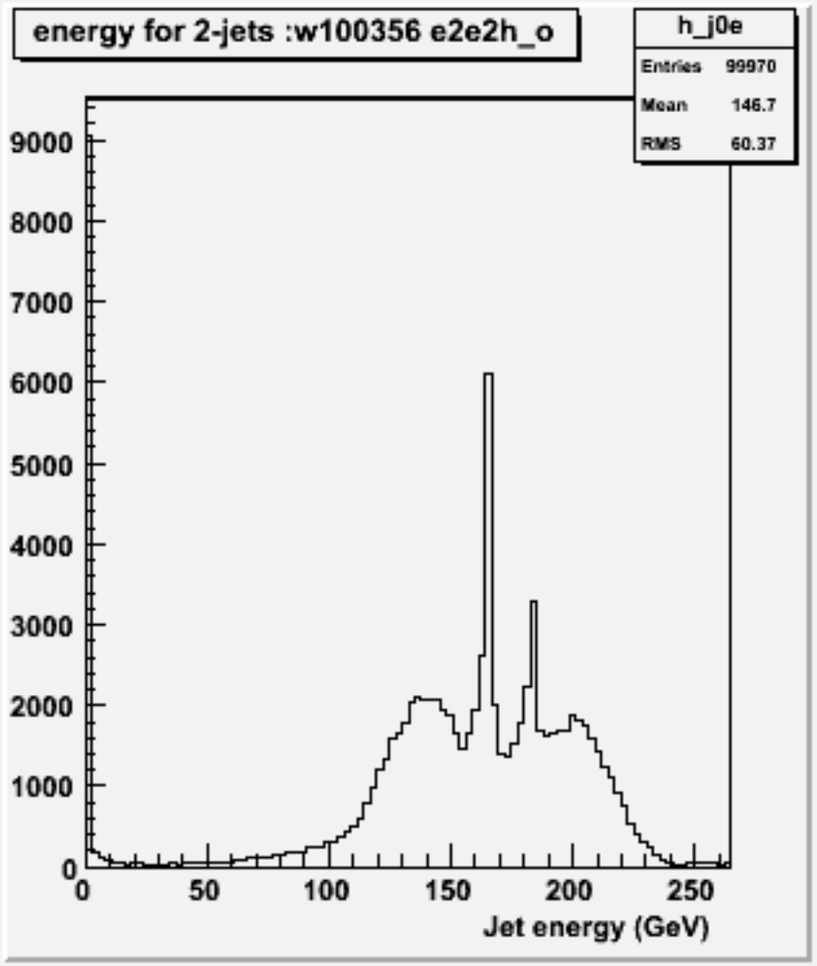

Pz Sum: w100356 e2e2h_o
h_pz
Entries 50000
Mean 0.02868
RMS 17.99
Pz(sum) (GeV)

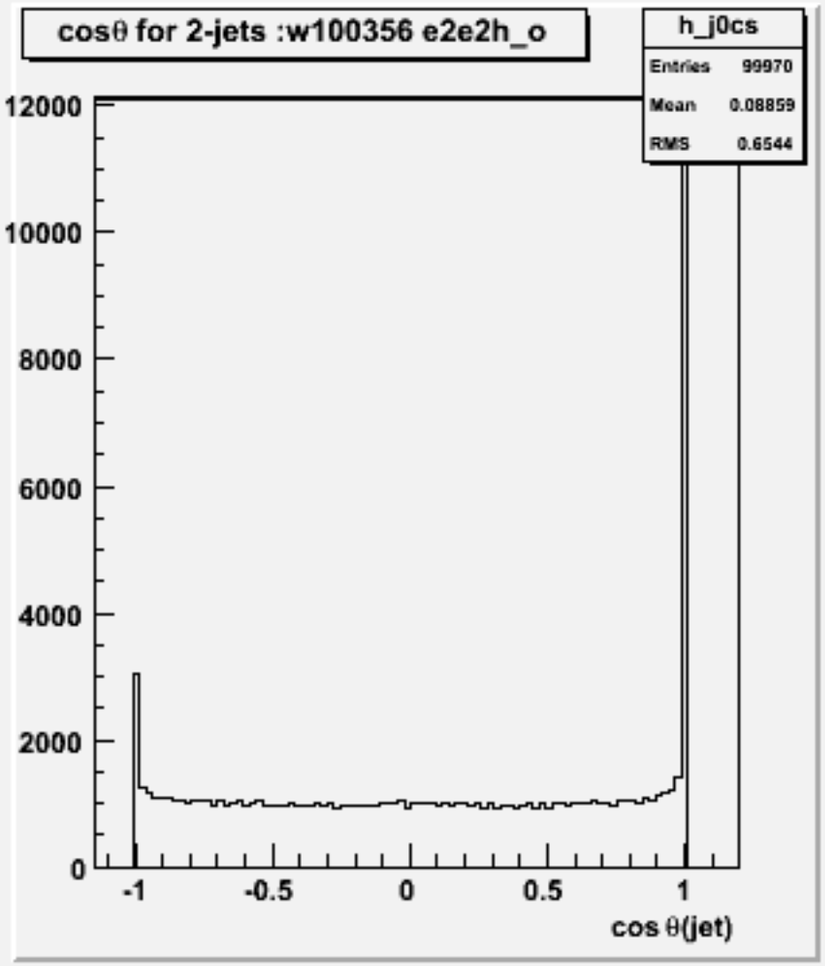

Thrust w100356 e2e2h_o
h_thrust
Entries 50000
Mean 0.797
RMS 0.06029
Thrust

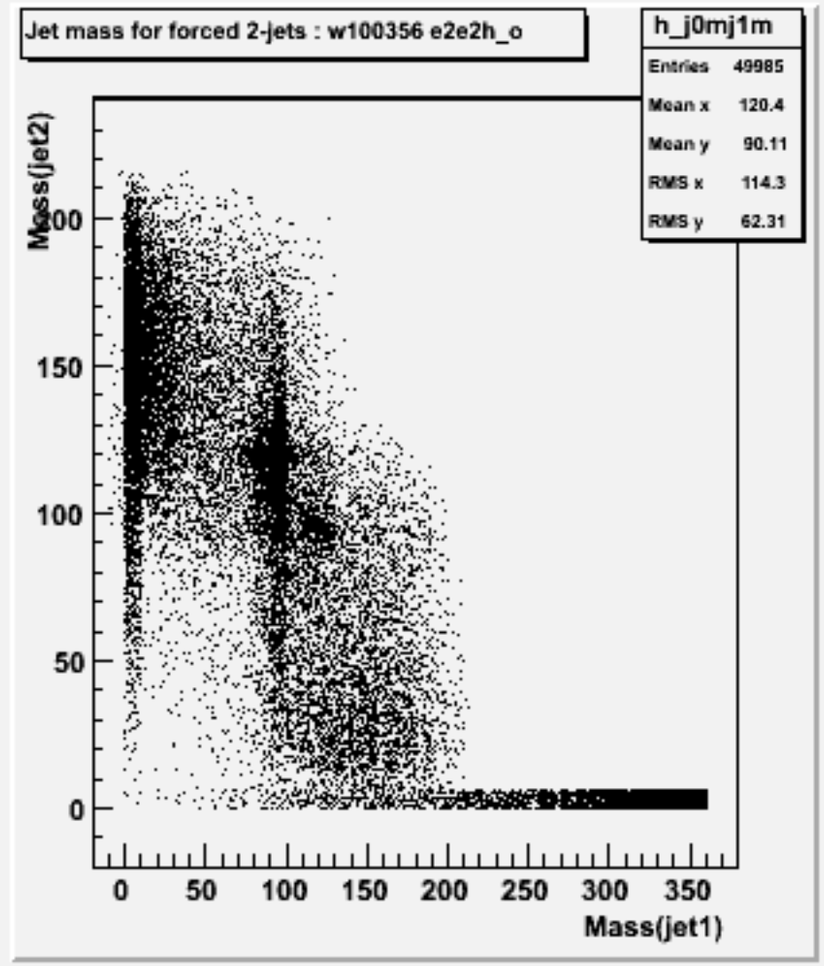

cosΘ(thrust) w100356 e2e2h_o
h_csth
Entries 50000
Mean -0.001991
RMS 0.5712
Thrust

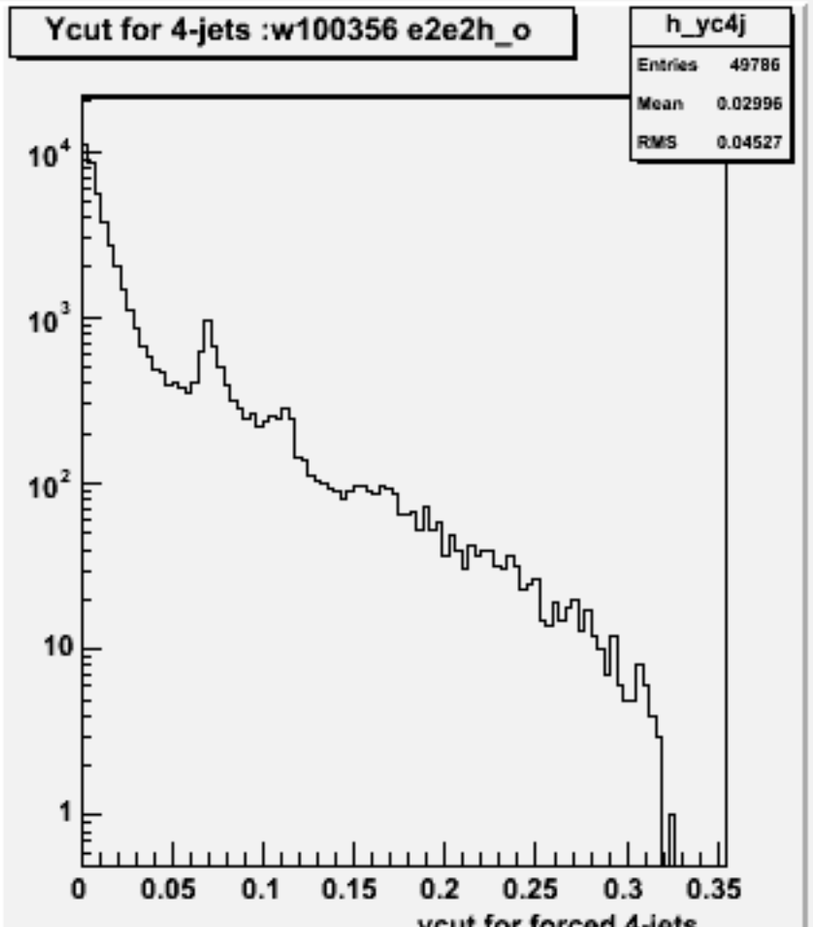

No. jets (ycut=0.001) : w100356 e2e2h_o
h_njets
Entries 50000
Mean 5.59
RMS 1.112
No. of jets

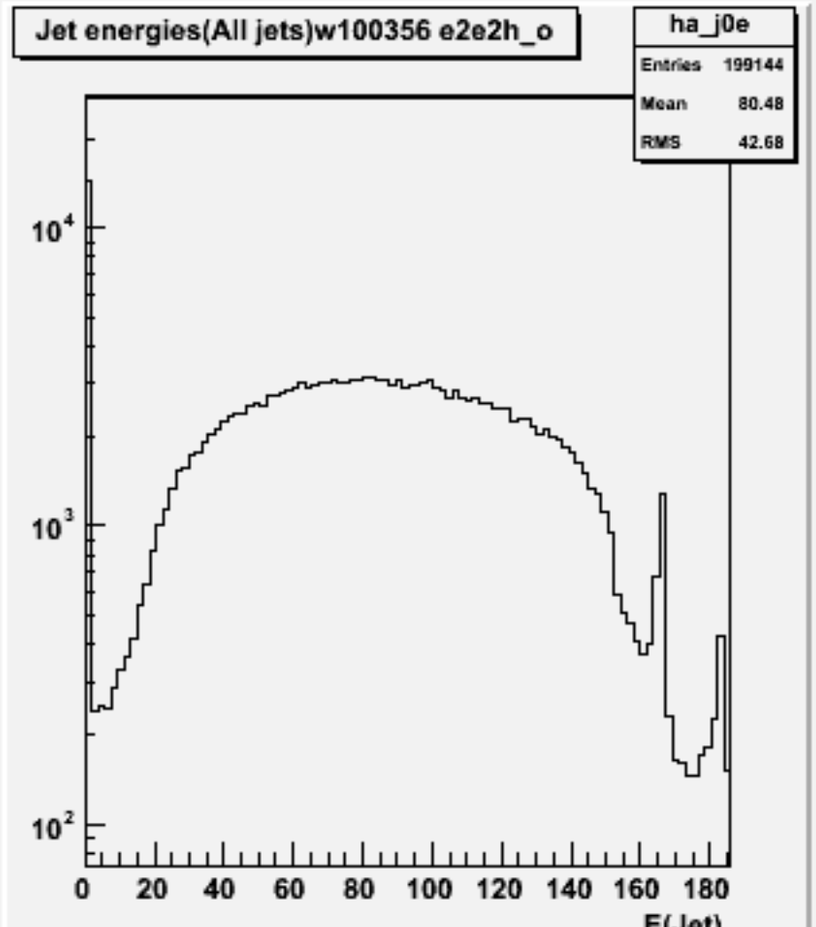

Ycut for 2-jets :w100356 e2e2h_o
h_yc2j
Entries 49985
Mean 0.2352
RMS 0.2574
ycut for forced 2-jets

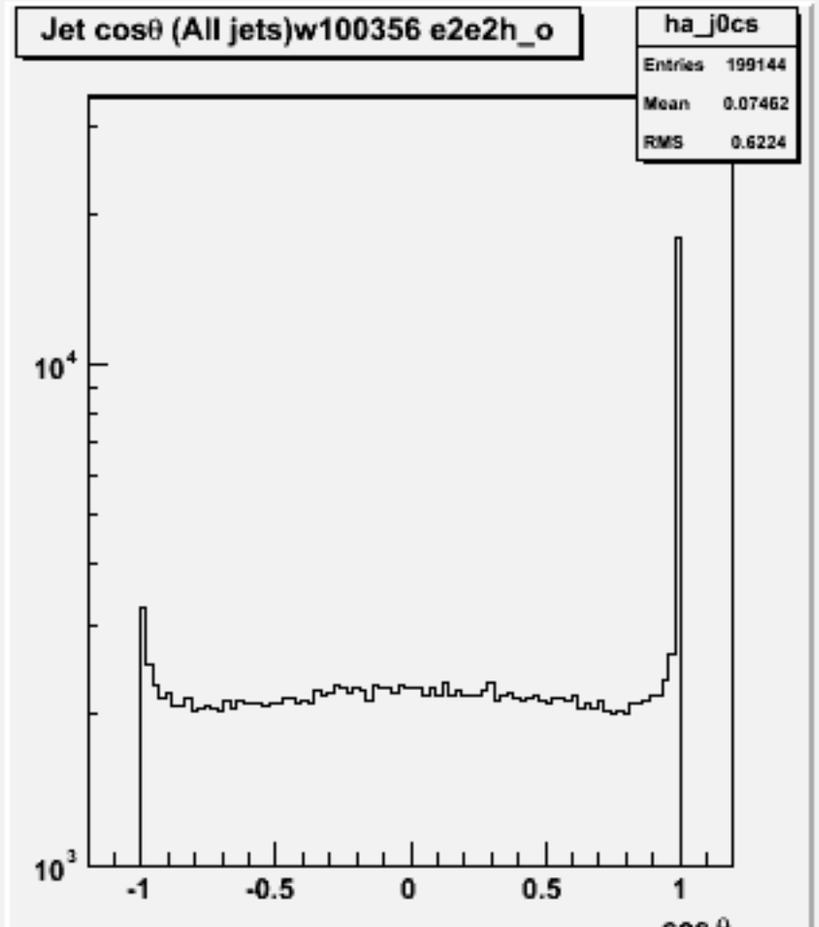

energy for 2-jets :w100356 e2e2h_o
h_j0e
Entries 99970
Mean 146.7
RMS 60.37
Jet energy (GeV)

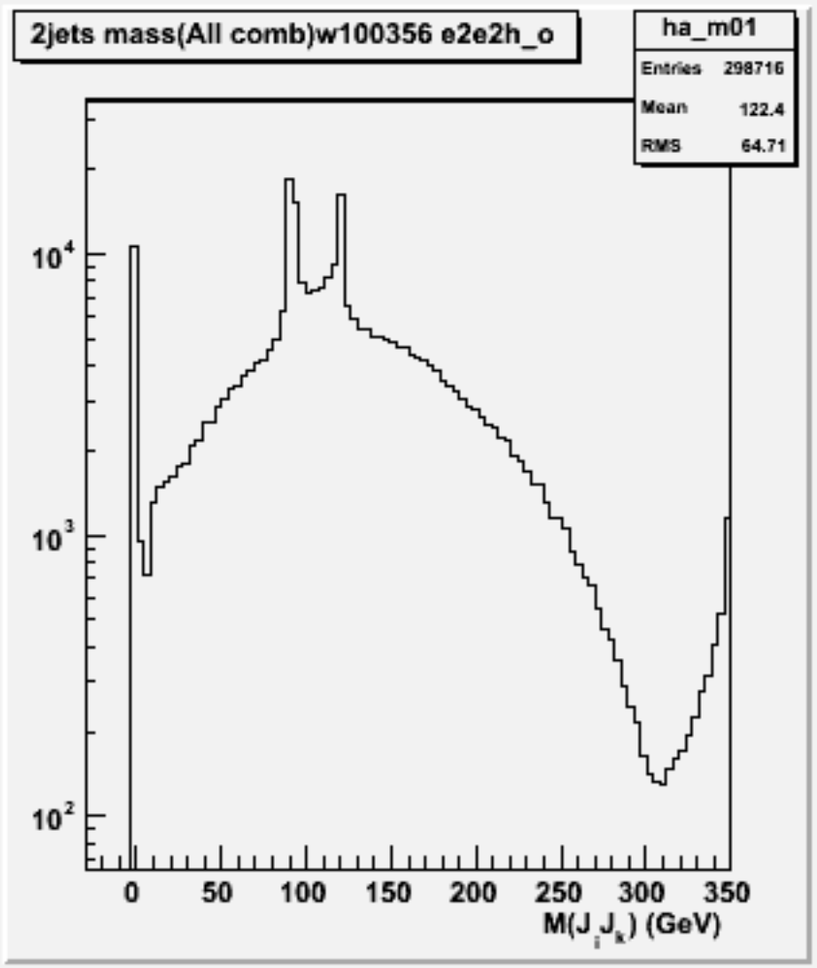

cosθ for 2-jets :w100356 e2e2h_o
h_j0cs
Entries 99970
Mean 0.08859
RMS 0.6544
cos θ(jet)

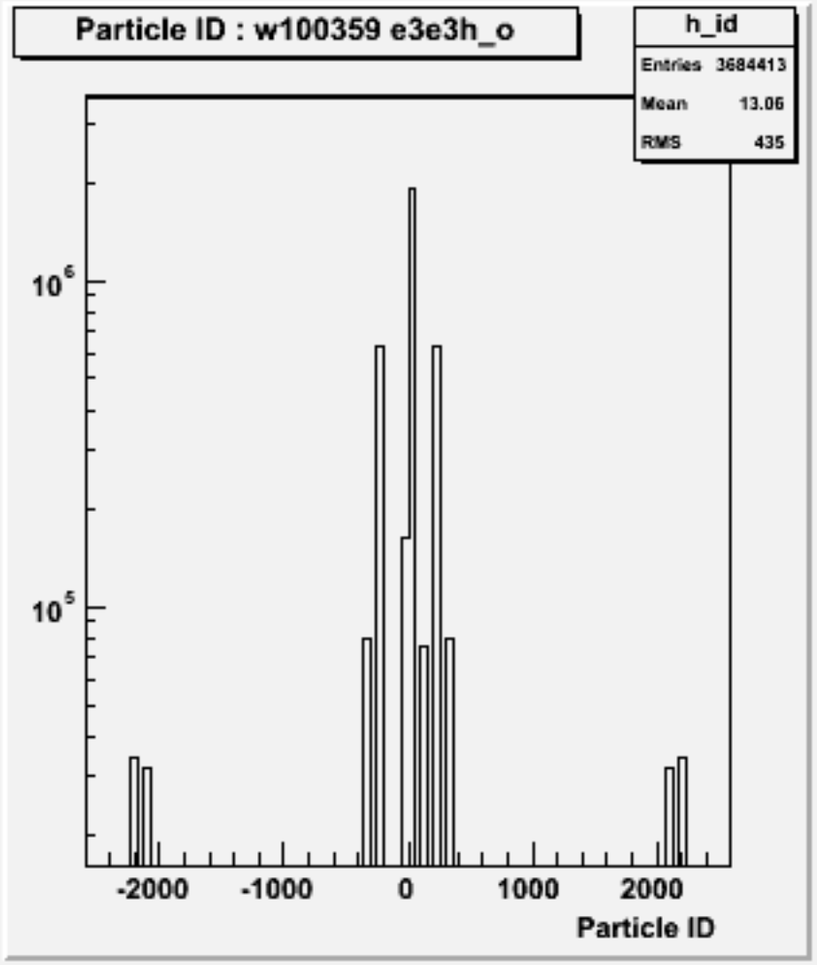

Jet mass for forced 2-jets : w100356 e2e2h_o
h_j0mj1m
Entries 49985
Mean x 120.4
Mean y 90.11
RMS x 114.3
RMS y 62.31
Mass(jet2)
Mass(jet1)

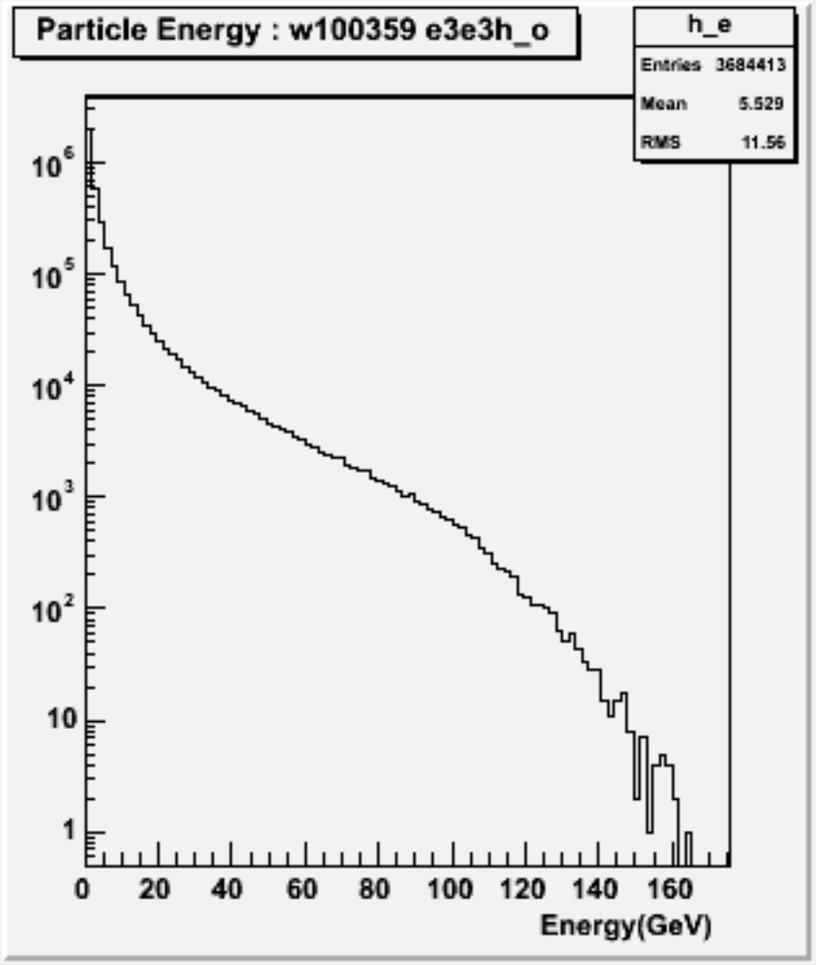

Ycut for 4-jets :w100356 e2e2h_o
h_yc4j
Entries 49786
Mean 0.02996
RMS 0.04527
ycut for forced 4-jets

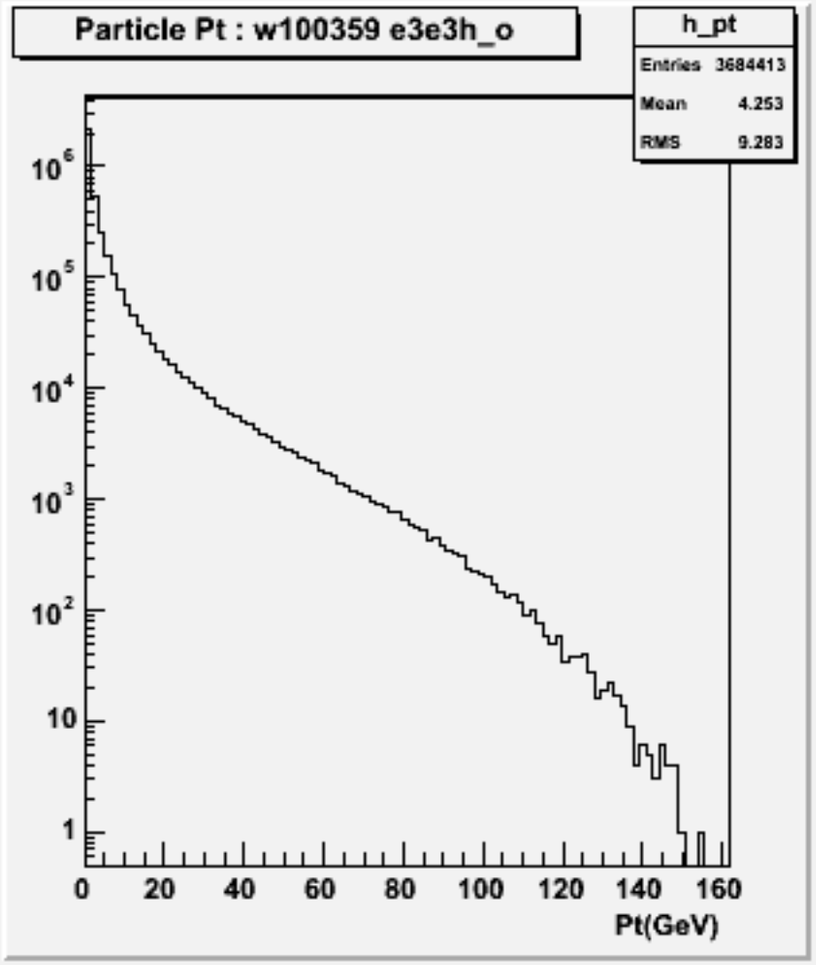

Jet energies(All jets)w100356 e2e2h_o
ha_j0e
Entries 199144
Mean 80.48
RMS 42.68
E(Jet)

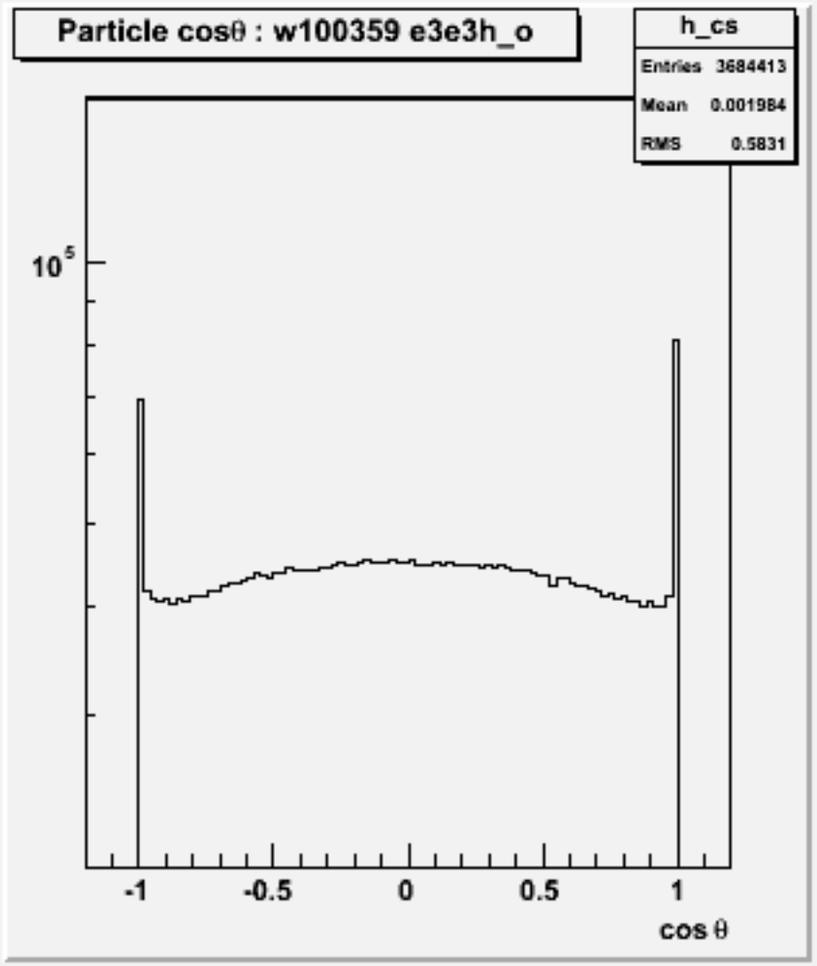

Jet cosθ (All jets)w100356 e2e2h_o
ha_j0cs
Entries 199144
Mean 0.07462
RMS 0.6224
cos θ

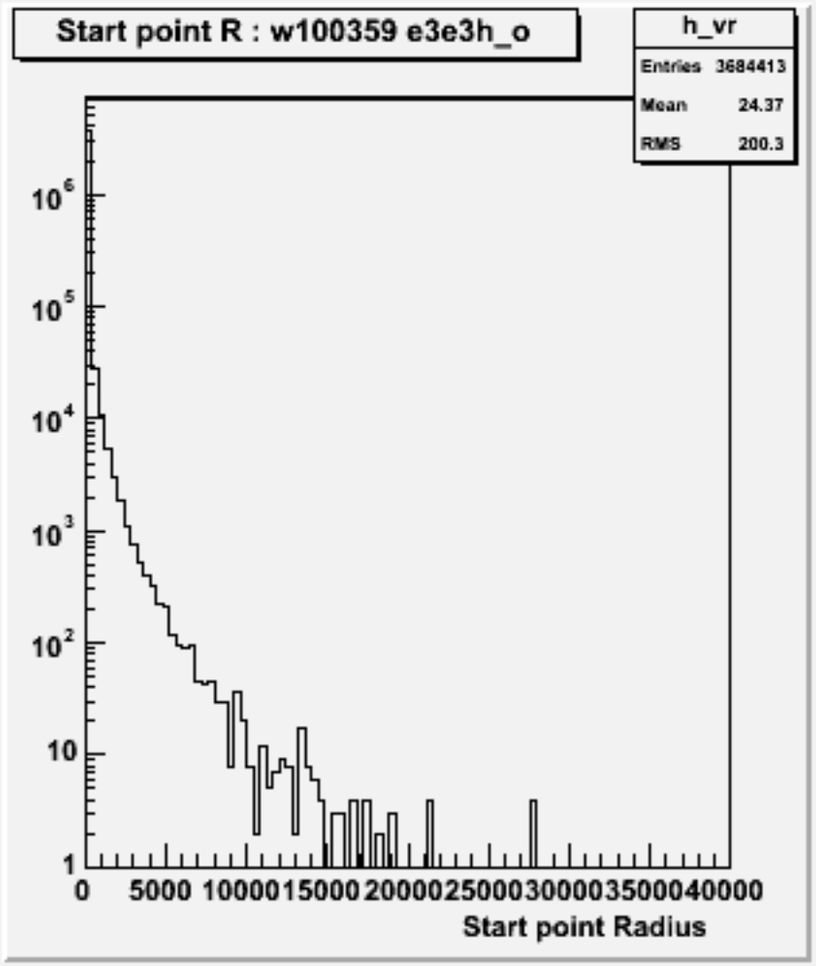

2jets mass(All comb)w100356 e2e2h_o
ha_m01
Entries 298716
Mean 122.4
RMS 64.71
M(J_iJ_k) (GeV)

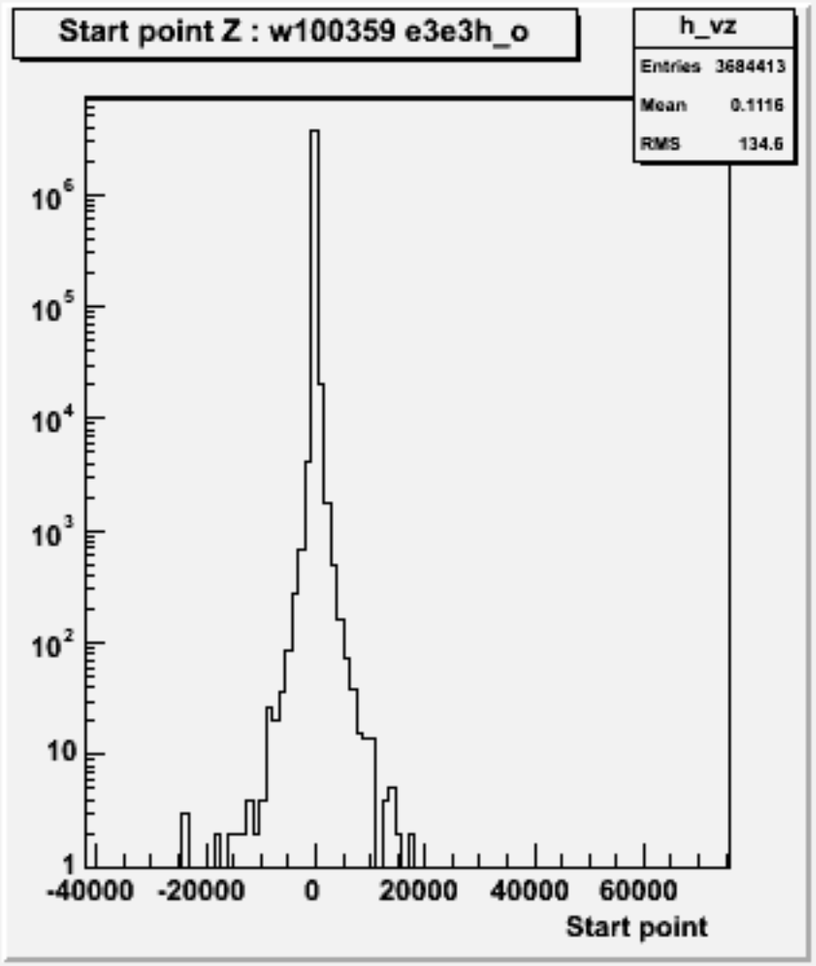

Particle ID : w100359 e3e3h_o
h_id
Entries 3684413
Mean 13.06
RMS 435
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

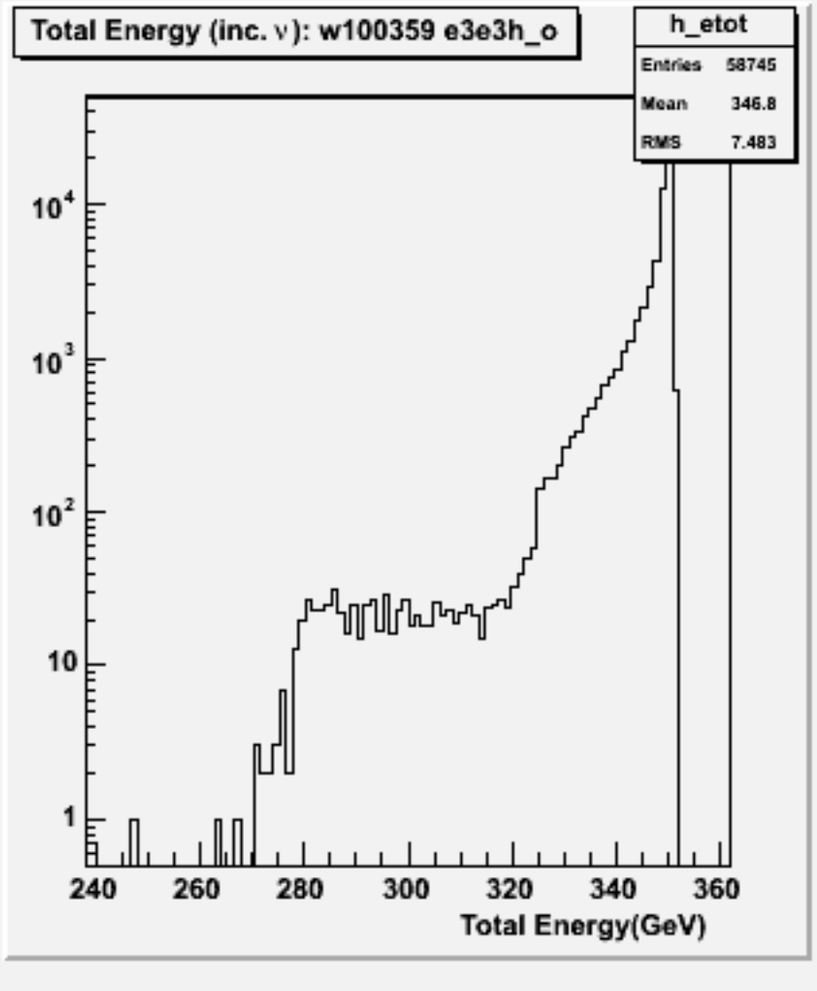

Particle Energy : w100359 e3e3h_o
h_e
Entries 3684413
Mean 5.529
RMS 11.56
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

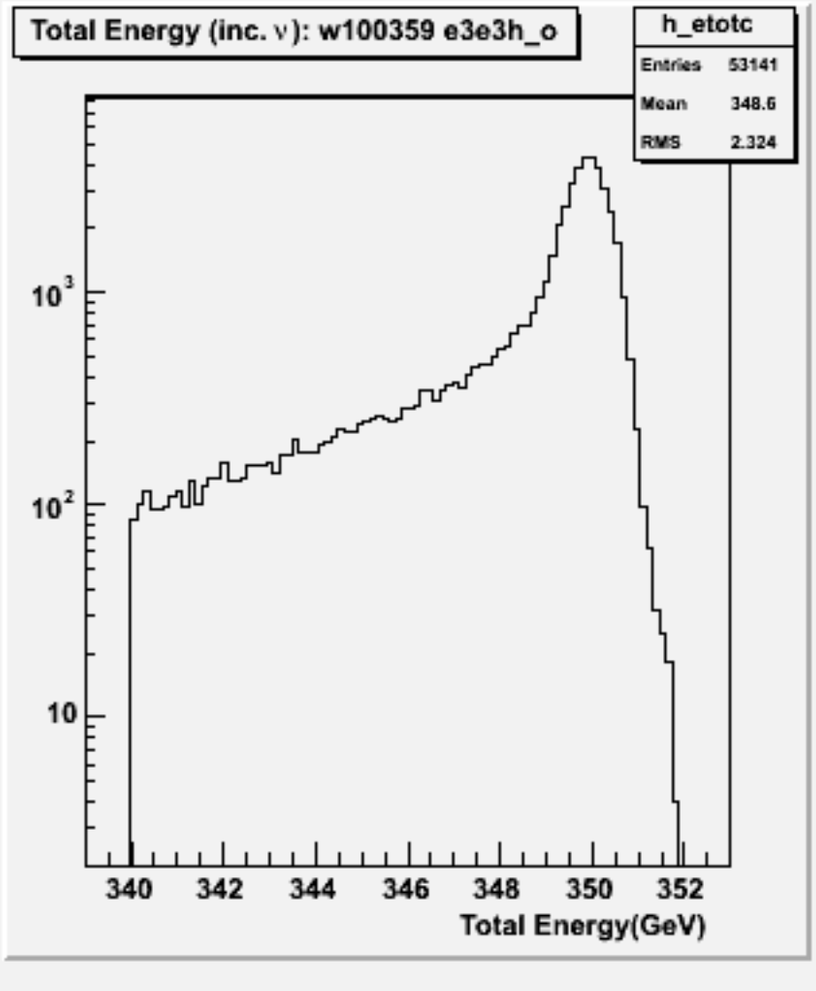

Particle Pt : w100359 e3e3h_o
h_pt
Entries 3684413
Mean 4.253
RMS 9.283
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

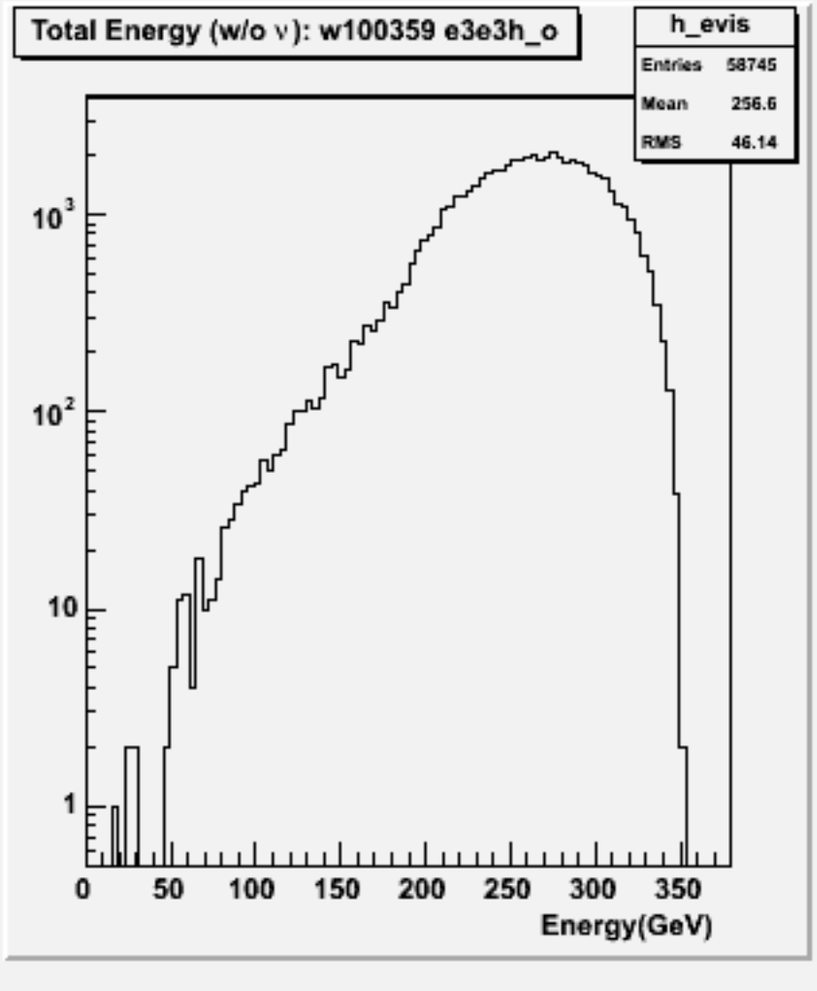

Particle cosθ : w100359 e3e3h_o
h_cs
Entries 3684413
Mean 0.001984
RMS 0.5831
10^5
-1
-0.5
0
0.5
1
cos θ

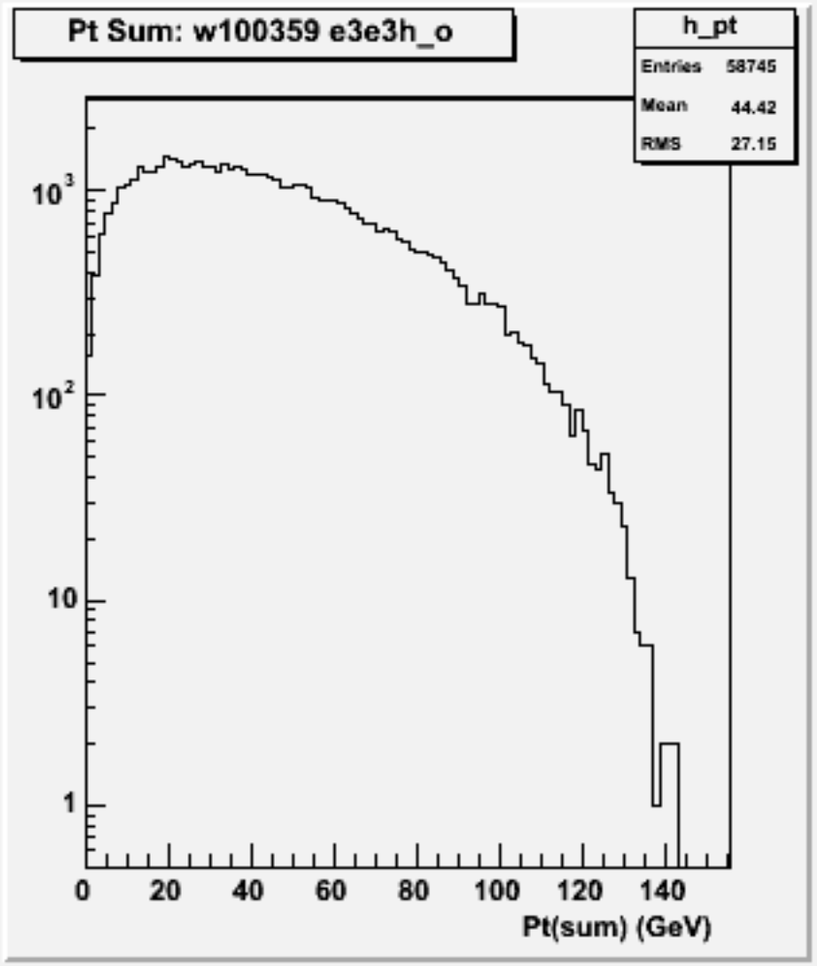

Start point R : w100359 e3e3h_o
h_vr
Entries 3684413
Mean 24.37
RMS 200.3
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
40000
Start point Radius

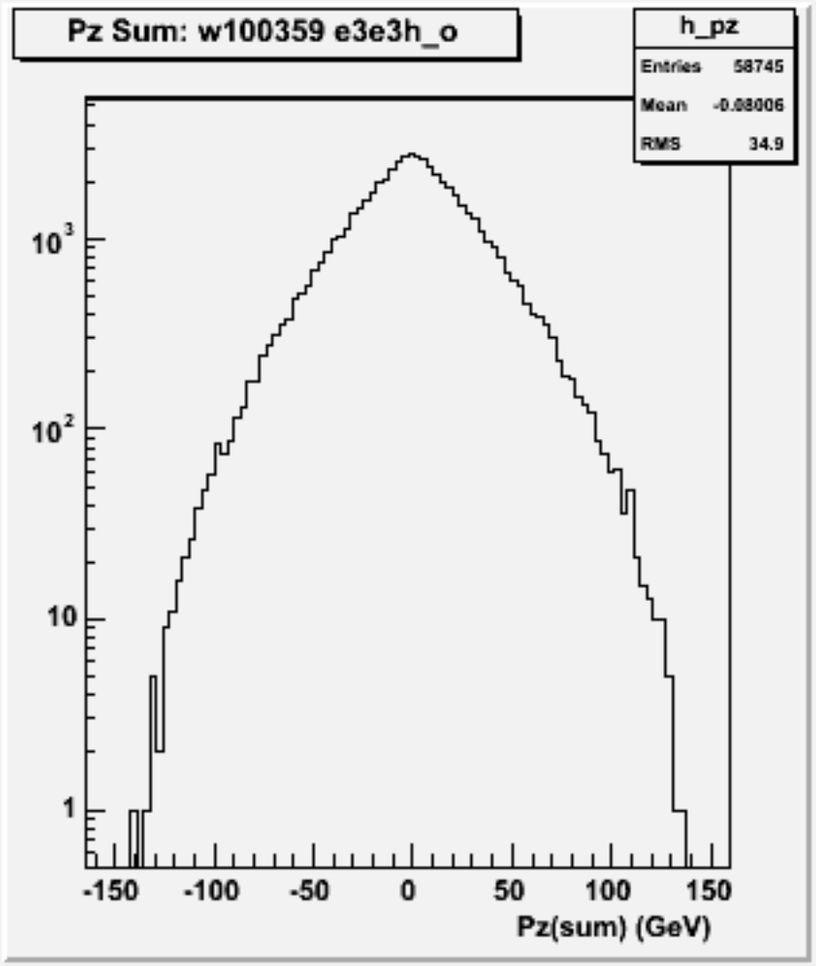

Start point Z : w100359 e3e3h_o
h_vz
Entries 3684413
Mean 0.1116
RMS 134.6
10^6
10^5
10^4
10^3
10^2
10
1
-40000
-20000
0
20000
40000
60000
Start point

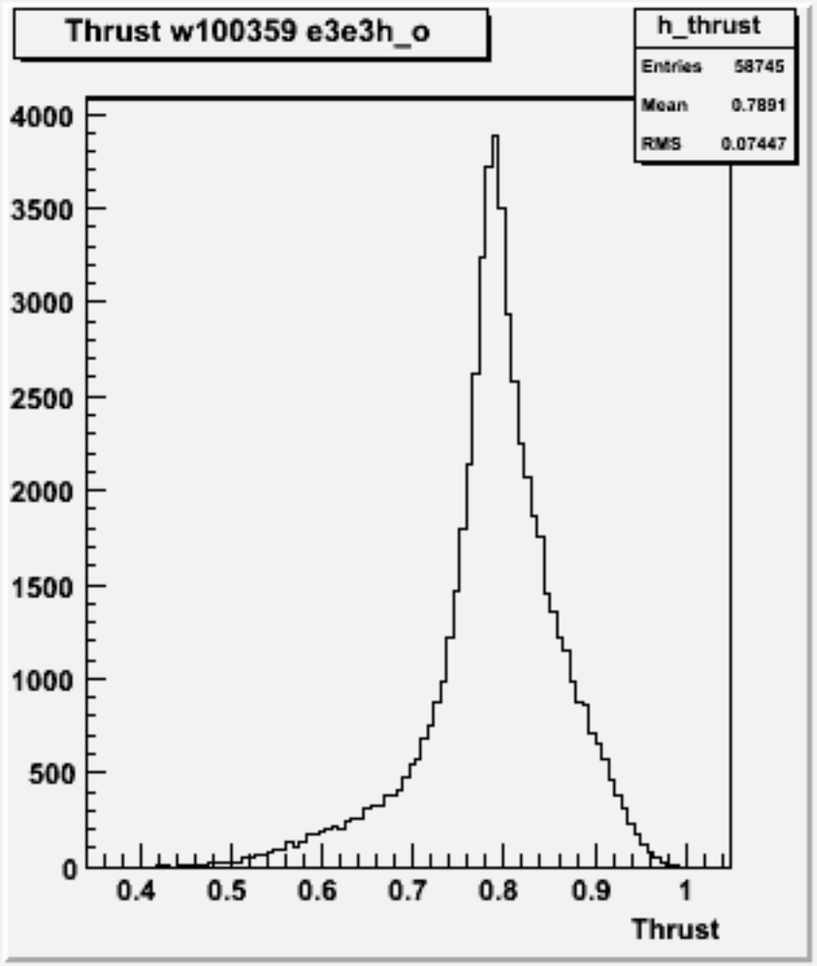

Total Energy (inc. ν): w100359 e3e3h_o
h_etot
Entries 58745
Mean 346.8
RMS 7.483
Total Energy(GeV)

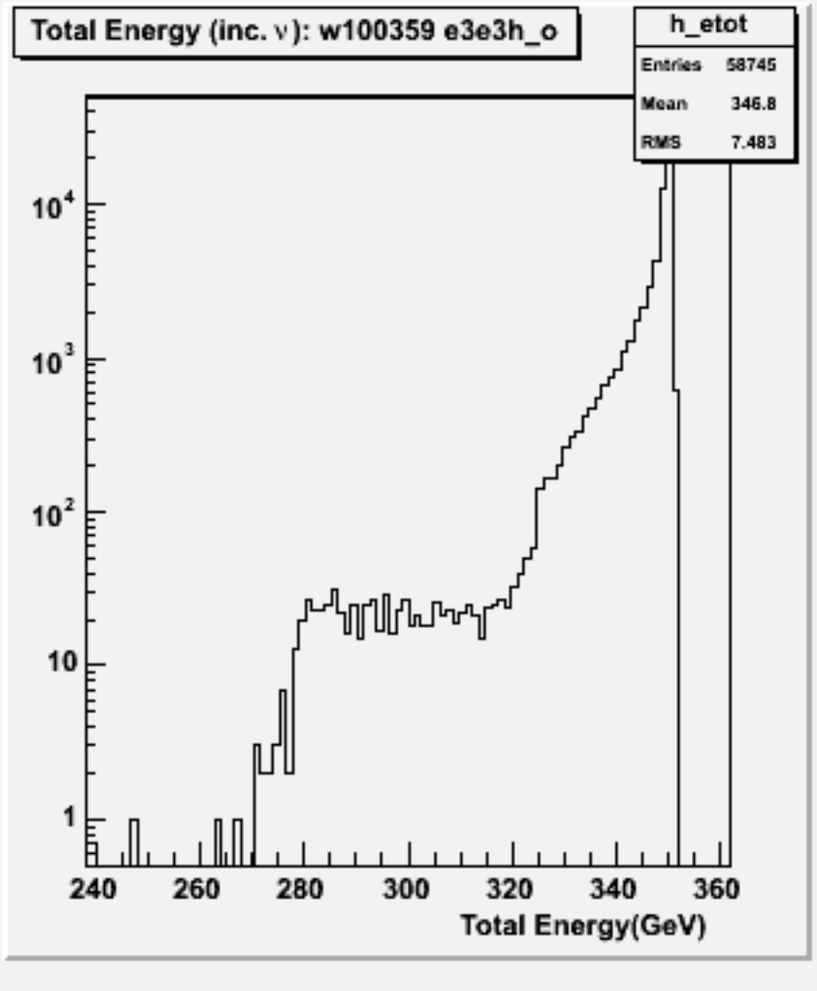

Total Energy (inc. ν): w100359 e3e3h_o
h_etotc
Entries 53141
Mean 348.6
RMS 2.324
Total Energy(GeV)

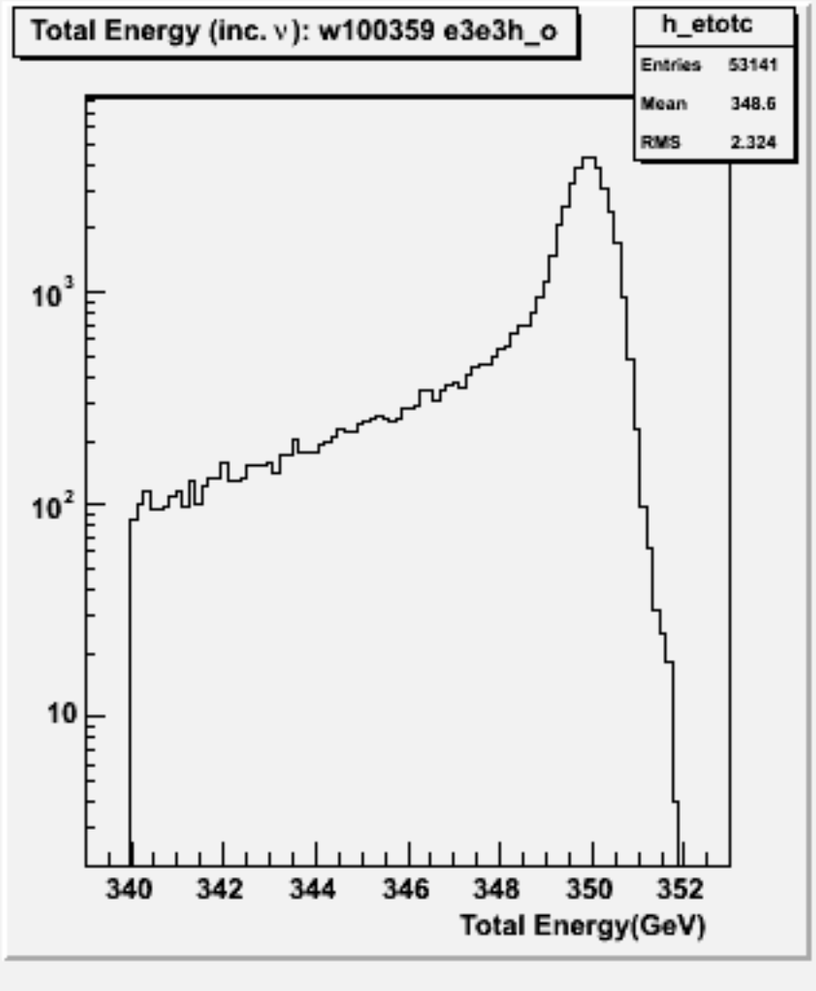

Total Energy (w/o ν): w100359 e3e3h_o
h_evis
Entries 58745
Mean 256.6
RMS 46.14
Energy(GeV)

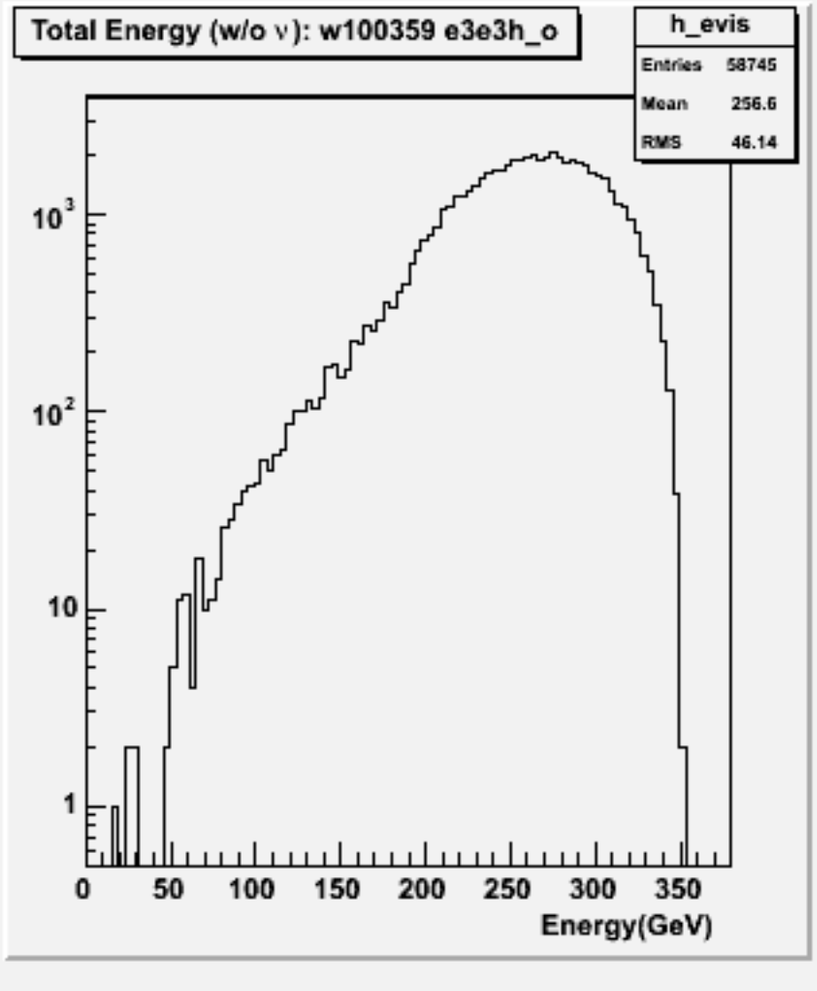

Pt Sum: w100359 e3e3h_o
h_pt
Entries 58745
Mean 44.42
RMS 27.15
Pt(sum) (GeV)

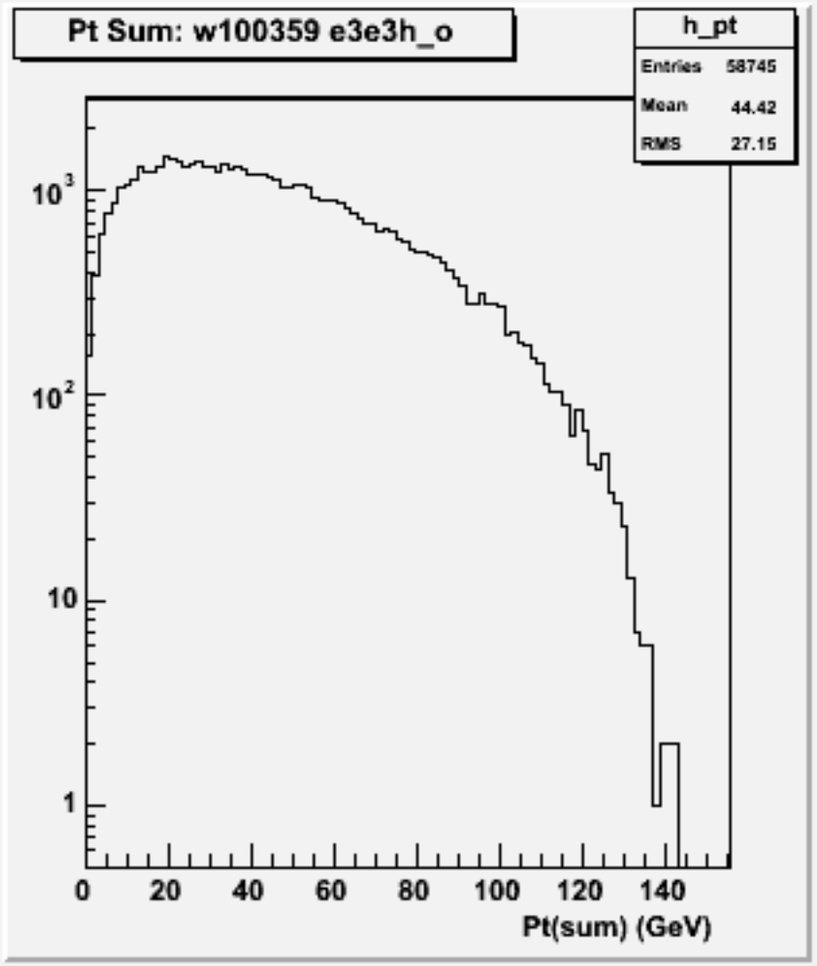

Pz Sum: w100359 e3e3h_o
h_pz
Entries 58745
Mean -0.08006
RMS 34.9
Pz(sum) (GeV)

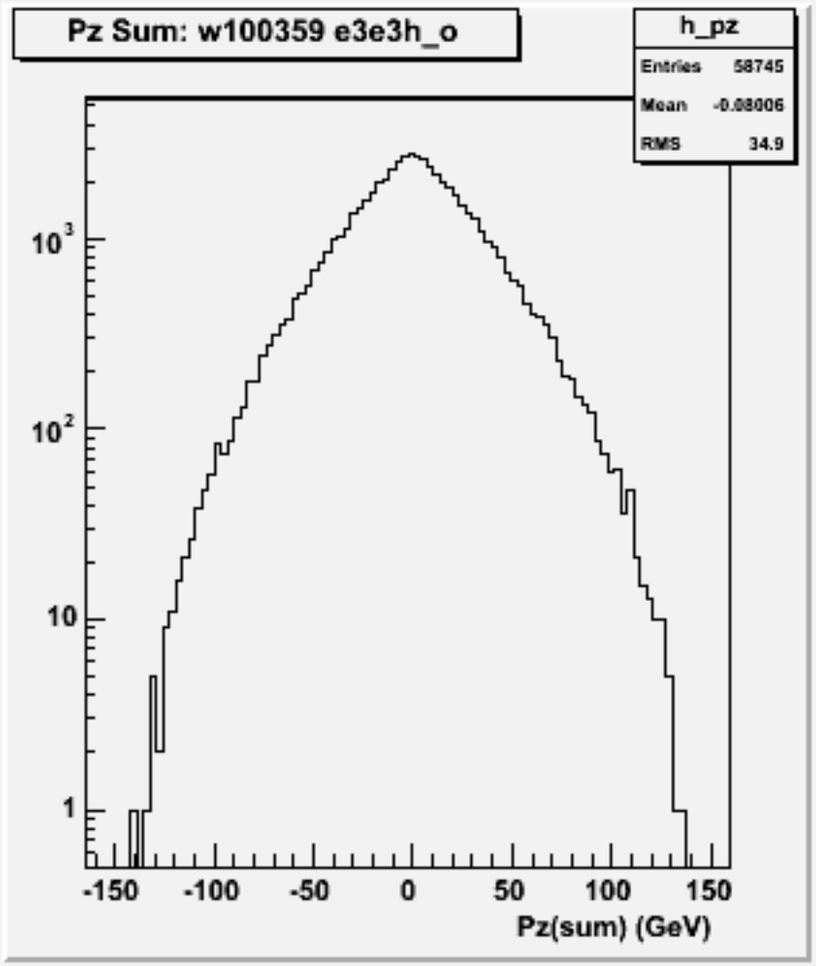

Thrust w100359 e3e3h_o
h_thrust
Entries 58745
Mean 0.7891
RMS 0.07447
Thrust

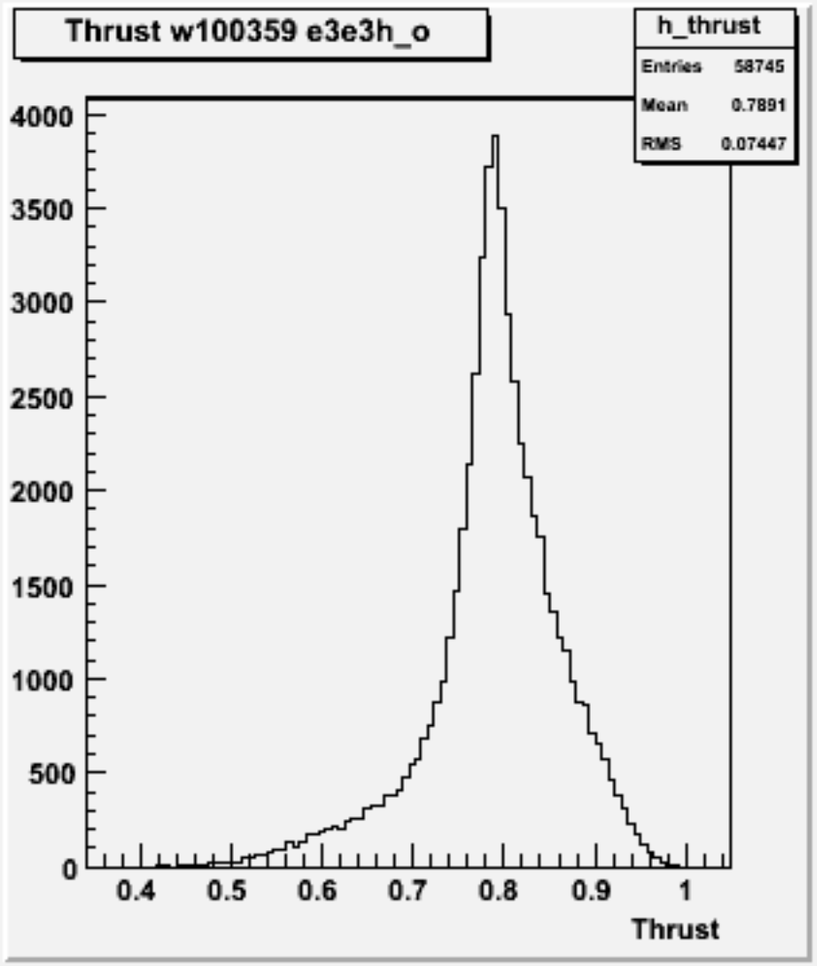

Total Energy (inc. ν): w100359 e3e3h_o
h_etot
Entries 58745
Mean 346.8
RMS 7.483
Total Energy(GeV)

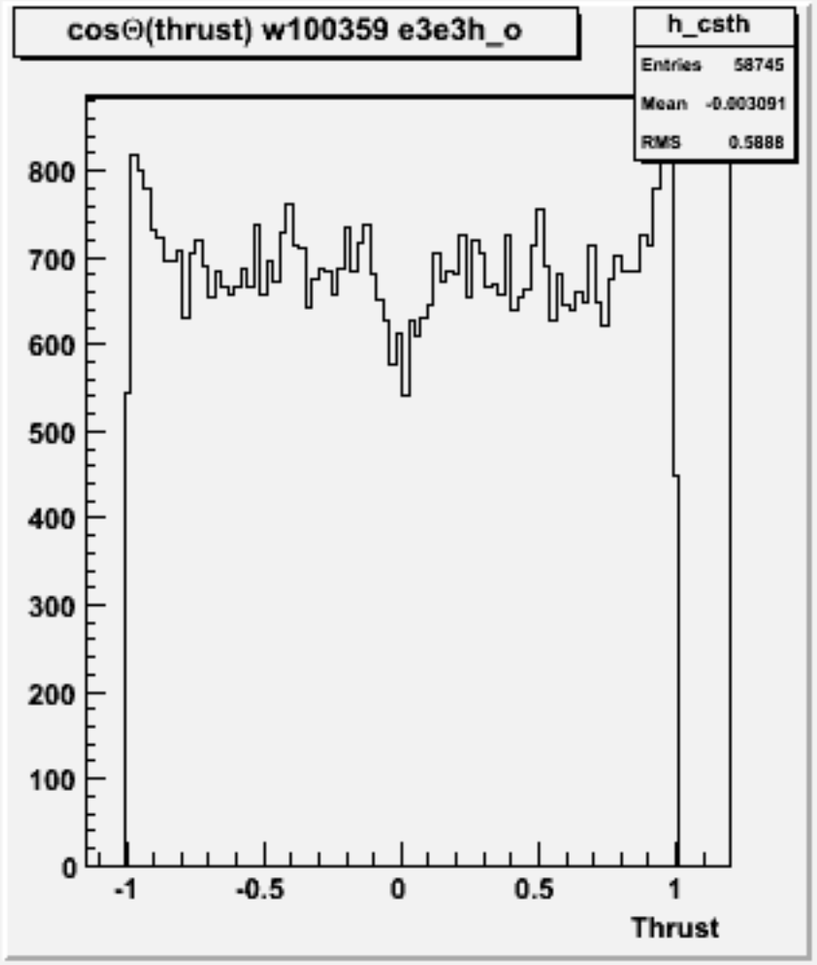

Total Energy (inc. ν): w100359 e3e3h_o
h_etotc
Entries 53141
Mean 348.6
RMS 2.324
Total Energy(GeV)

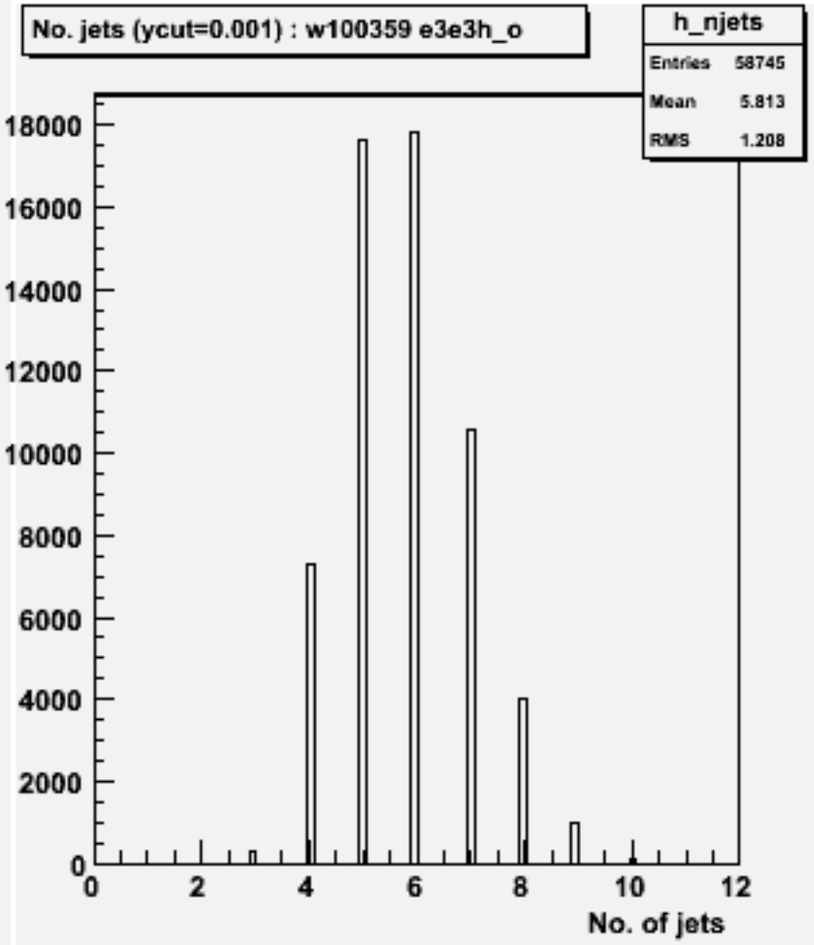

Total Energy (w/o ν): w100359 e3e3h_o
h_evis
Entries 58745
Mean 256.6
RMS 46.14
Energy(GeV)

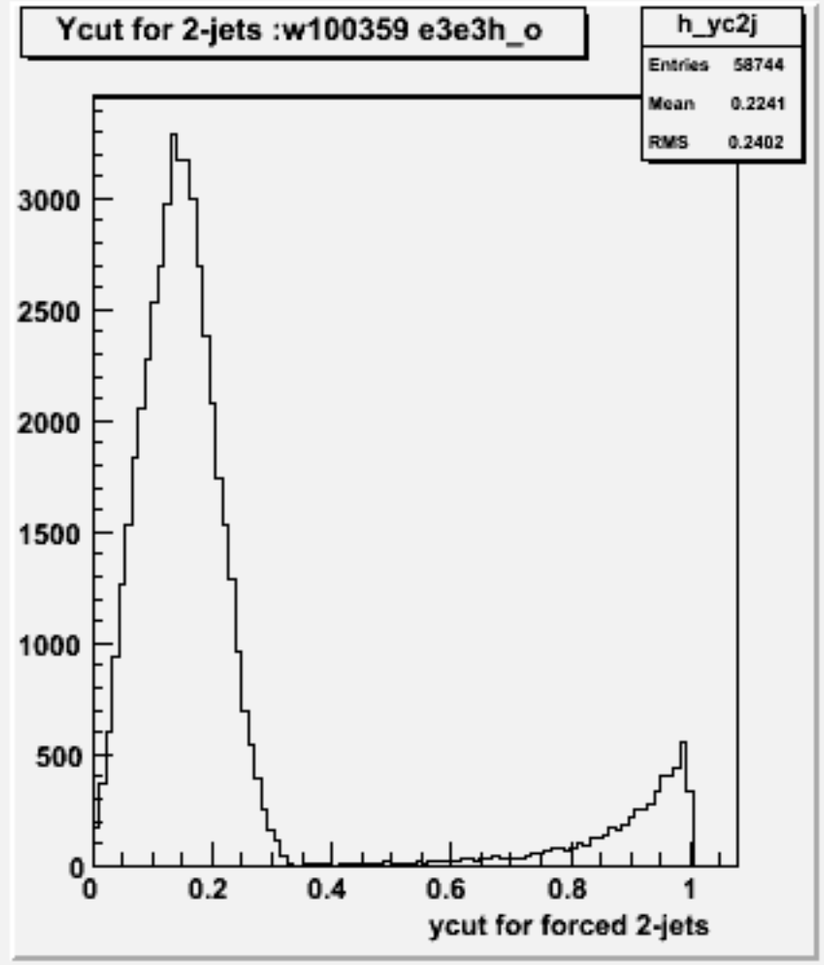

Pt Sum: w100359 e3e3h_o
h_pt
Entries 58745
Mean 44.42
RMS 27.15
Pt(sum) (GeV)

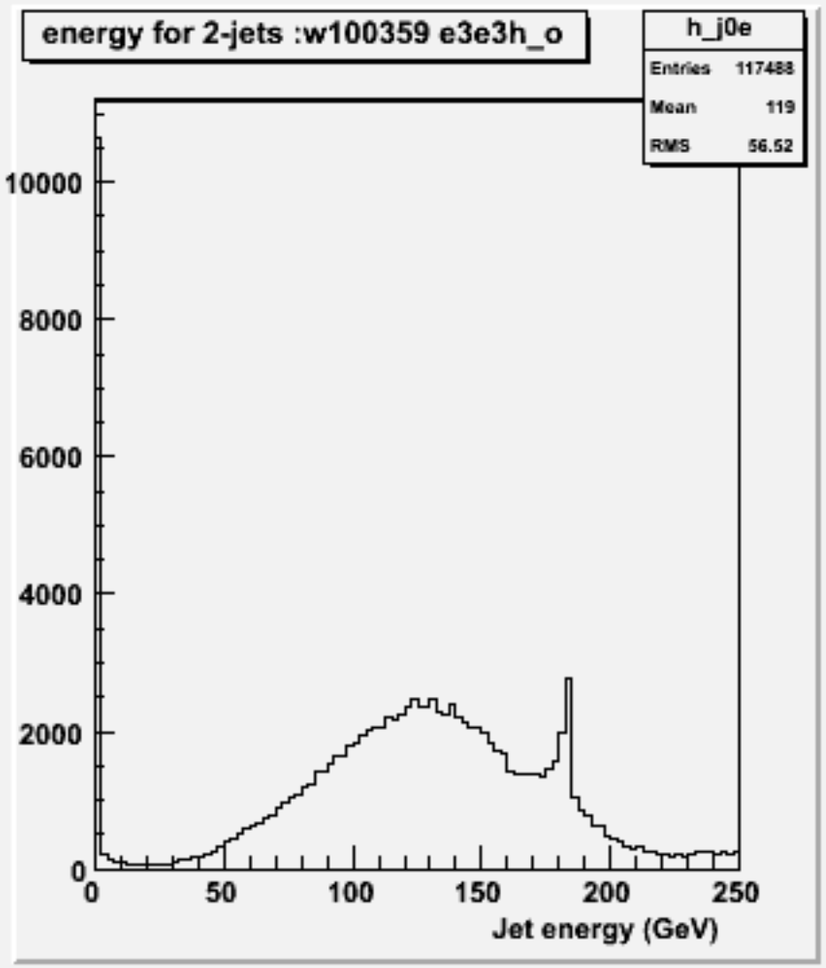

Pz Sum: w100359 e3e3h_o
h_pz
Entries 58745
Mean -0.08006
RMS 34.9
Pz(sum) (GeV)

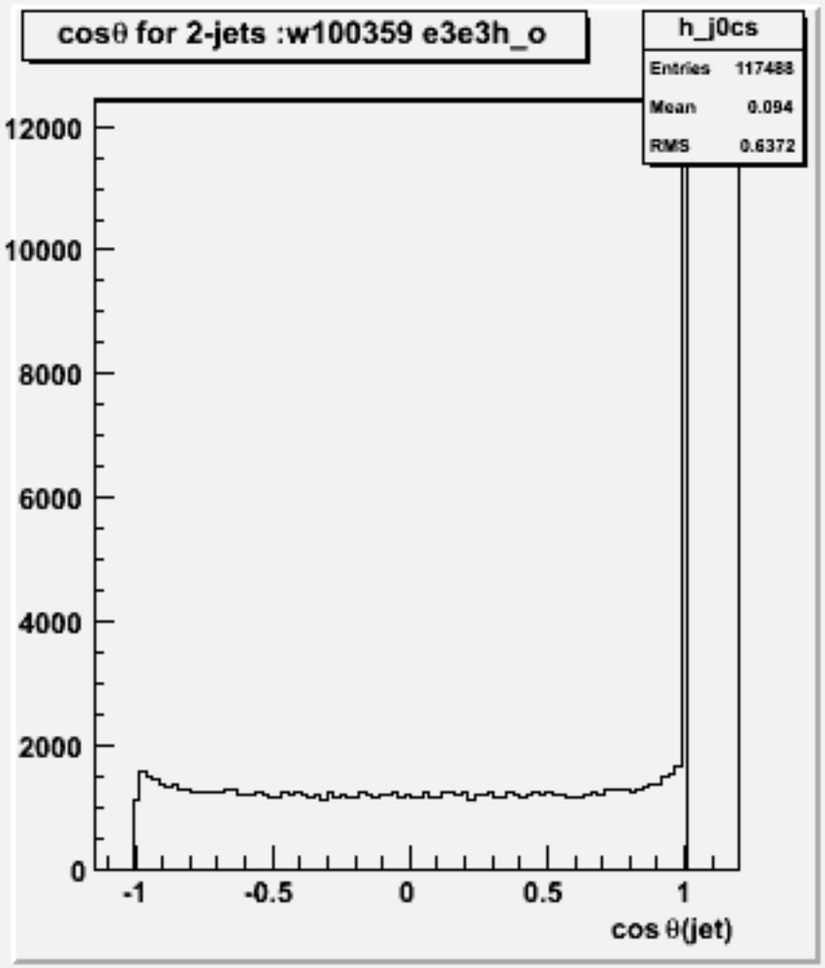

Thrust w100359 e3e3h_o
h_thrust
Entries 58745
Mean 0.7891
RMS 0.07447
Thrust

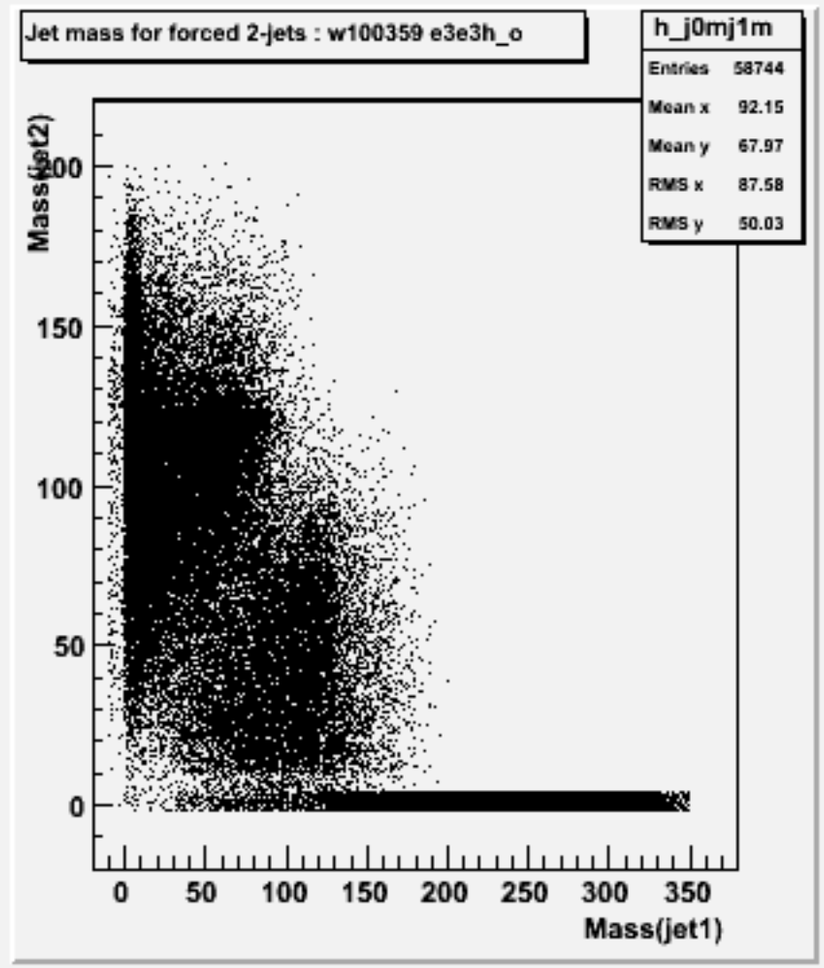

cosΘ(thrust) w100359 e3e3h_o
h_csth
Entries 58745
Mean -0.003091
RMS 0.5888
Thrust

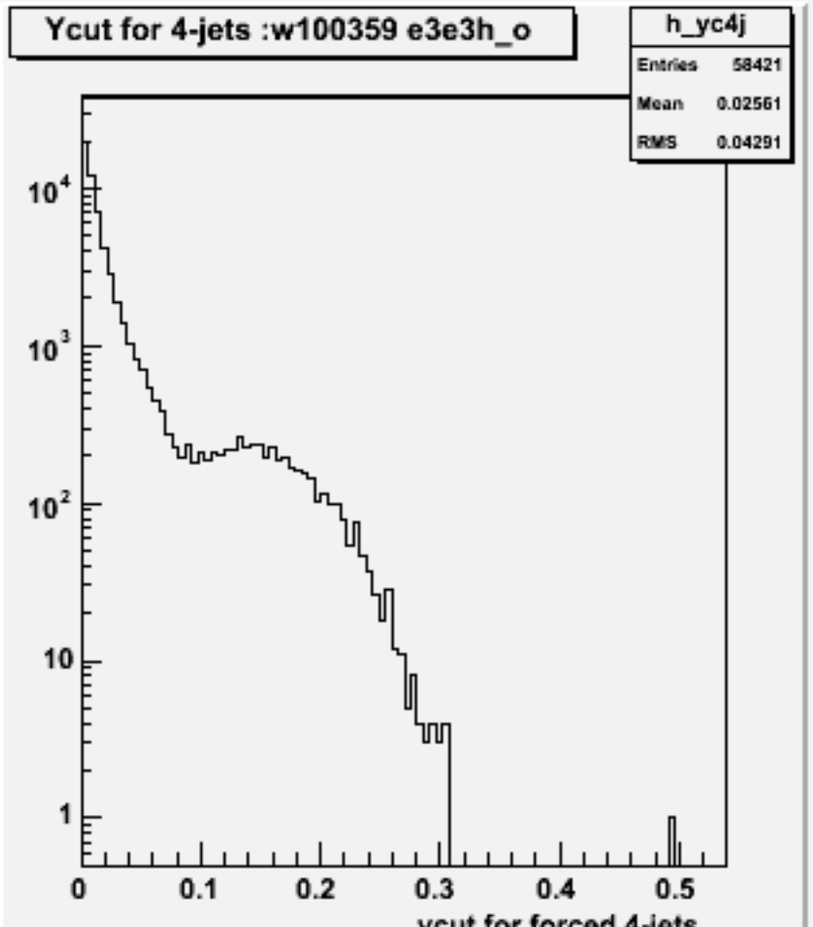

No. jets (ycut=0.001) : w100359 e3e3h_o
h_njets
Entries 58745
Mean 5.813
RMS 1.208
No. of jets

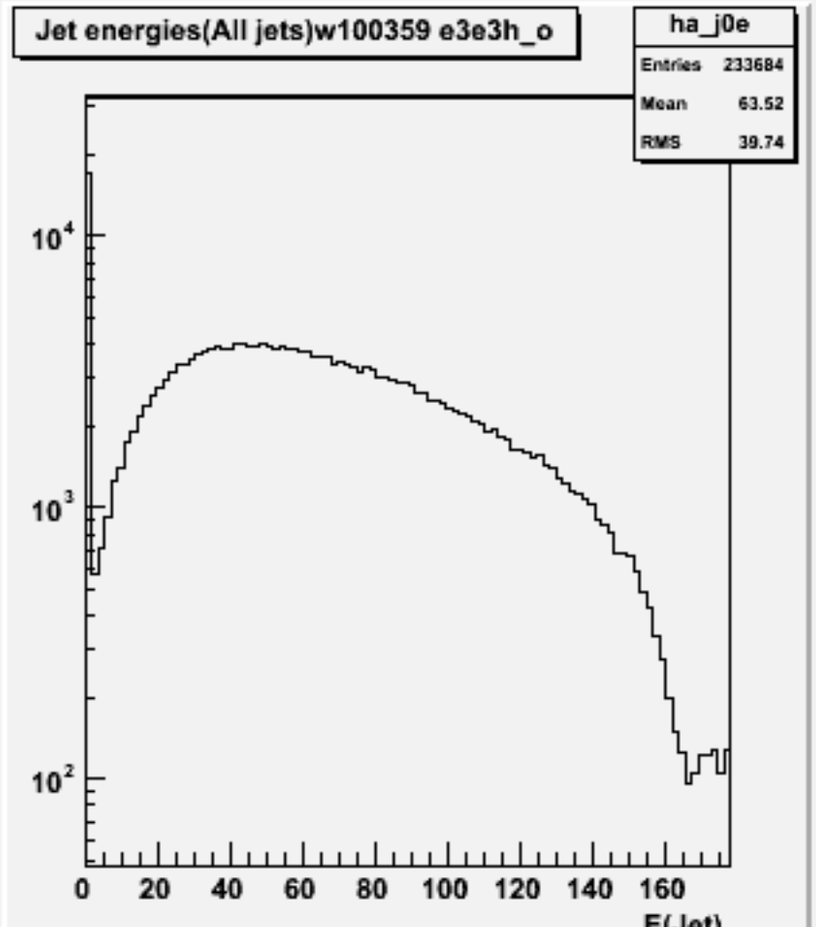

Ycut for 2-jets :w100359 e3e3h_o
h_yc2j
Entries 58744
Mean 0.2241
RMS 0.2402
ycut for forced 2-jets

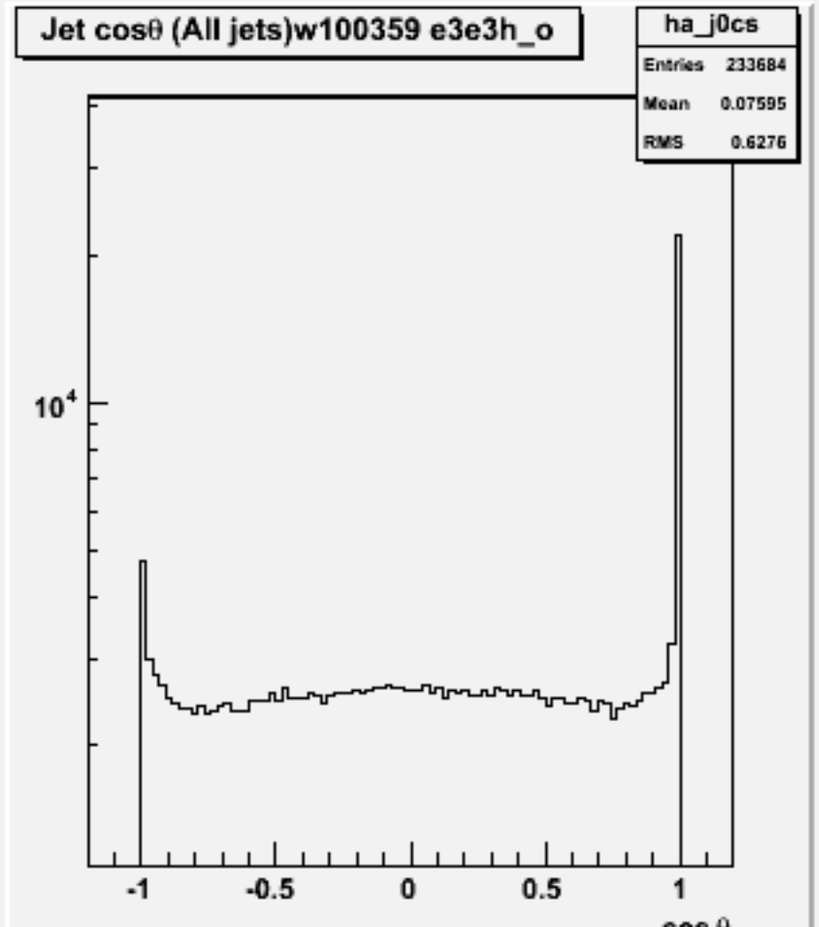

energy for 2-jets :w100359 e3e3h_o
h_j0e
Entries 117488
Mean 119
RMS 56.52
Jet energy (GeV)

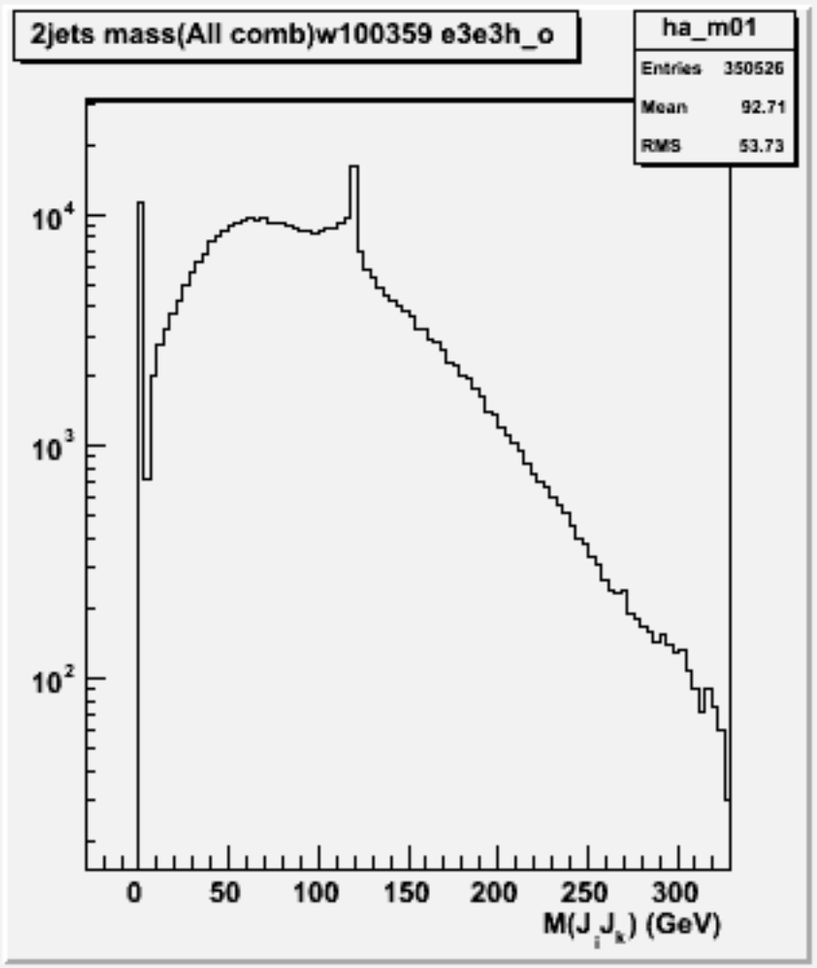

cosθ for 2-jets :w100359 e3e3h_o
h_j0cs
Entries 117488
Mean 0.094
RMS 0.6372
cos θ(jet)

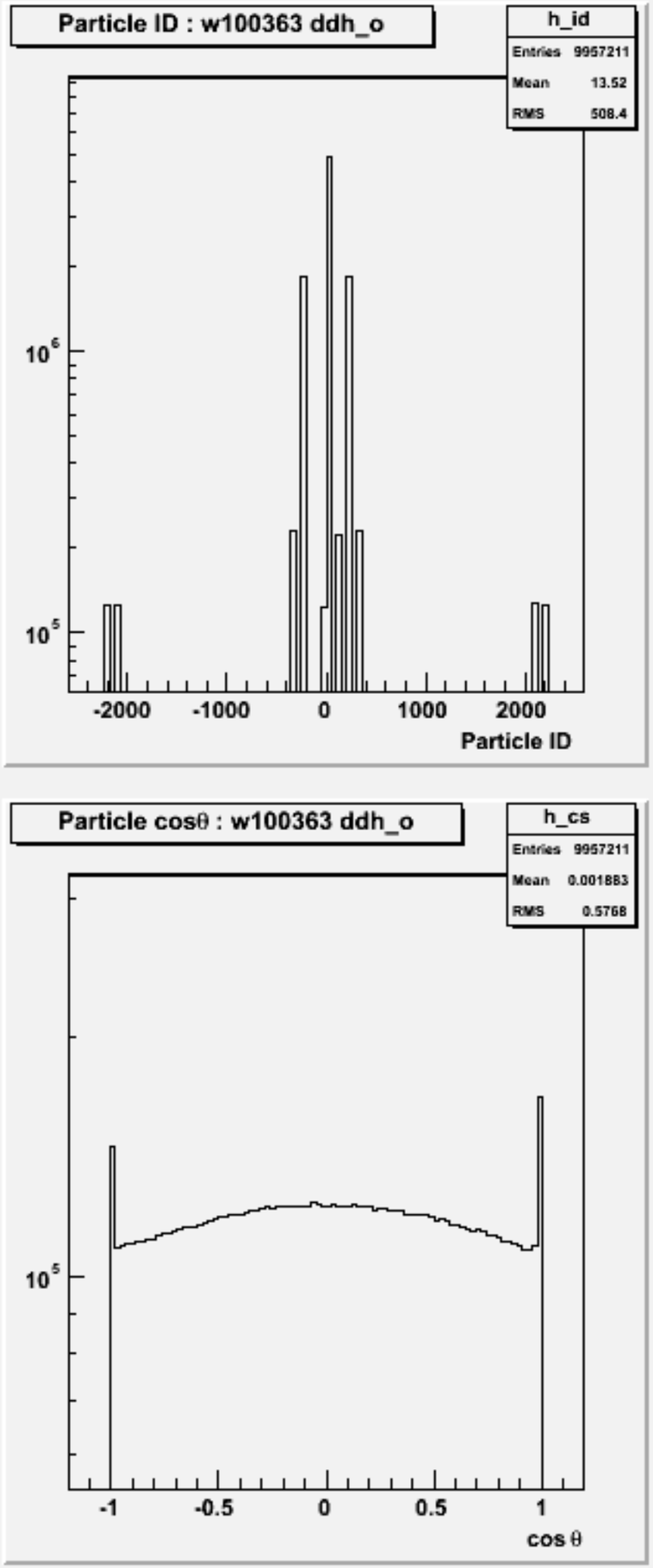

Jet mass for forced 2-jets : w100359 e3e3h_o
h_j0mj1m
Entries 58744
Mean x 92.15
Mean y 67.97
RMS x 87.58
RMS y 50.03
Mass(jet2)
Mass(jet1)

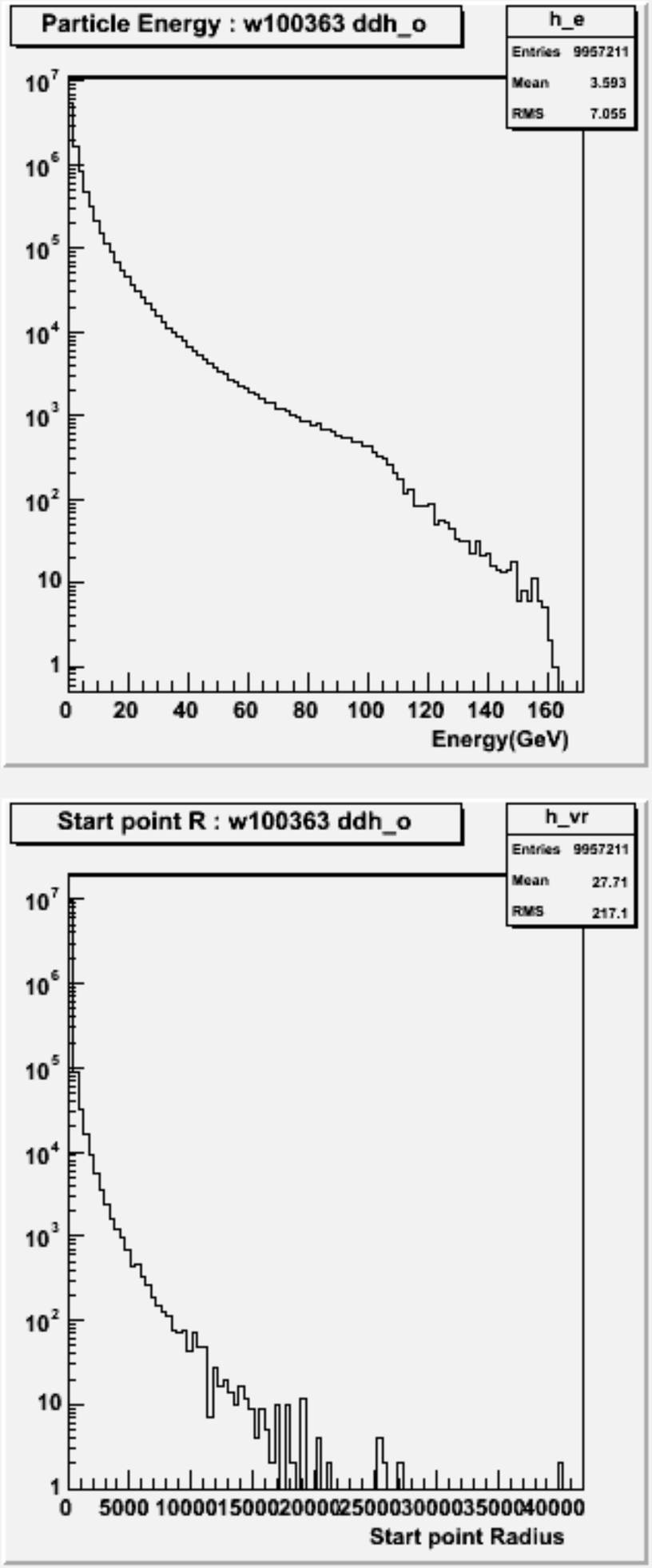

Ycut for 4-jets :w100359 e3e3h_o
h_yc4j
Entries 58421
Mean 0.02561
RMS 0.04291
ycut for forced 4-jets

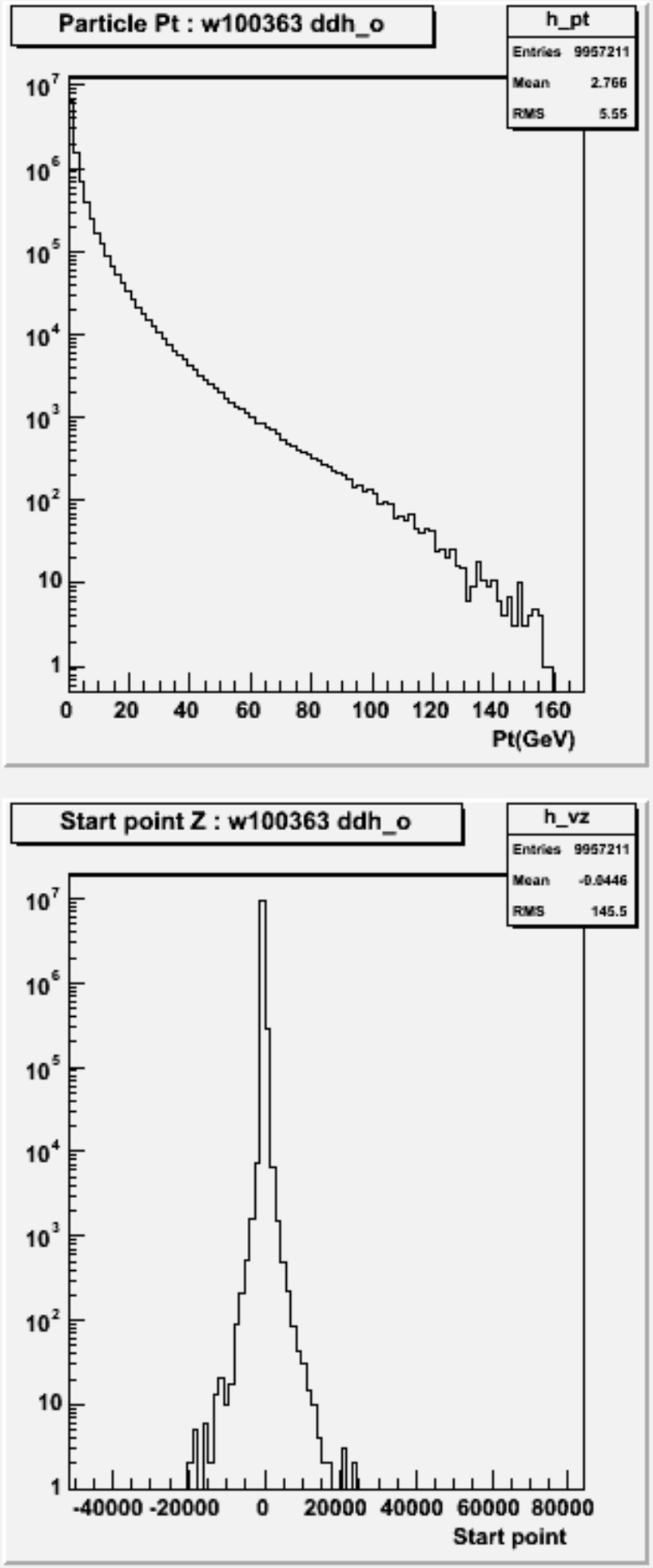

Jet energies(All jets)w100359 e3e3h_o
ha_j0e
Entries 233684
Mean 63.52
RMS 39.74
E(Jet)


Jet cosθ (All jets)w100359 e3e3h_o
ha_j0cs
Entries 233684
Mean 0.07595
RMS 0.6276
cos θ


2jets mass(All comb)w100359 e3e3h_o
ha_m01
Entries 350526
Mean 92.71
RMS 53.73
M(J_iJ_k) (GeV)


Particle ID : w100363 ddh_o
h_id
Entries 9957211
Mean 13.52
RMS 508.4
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

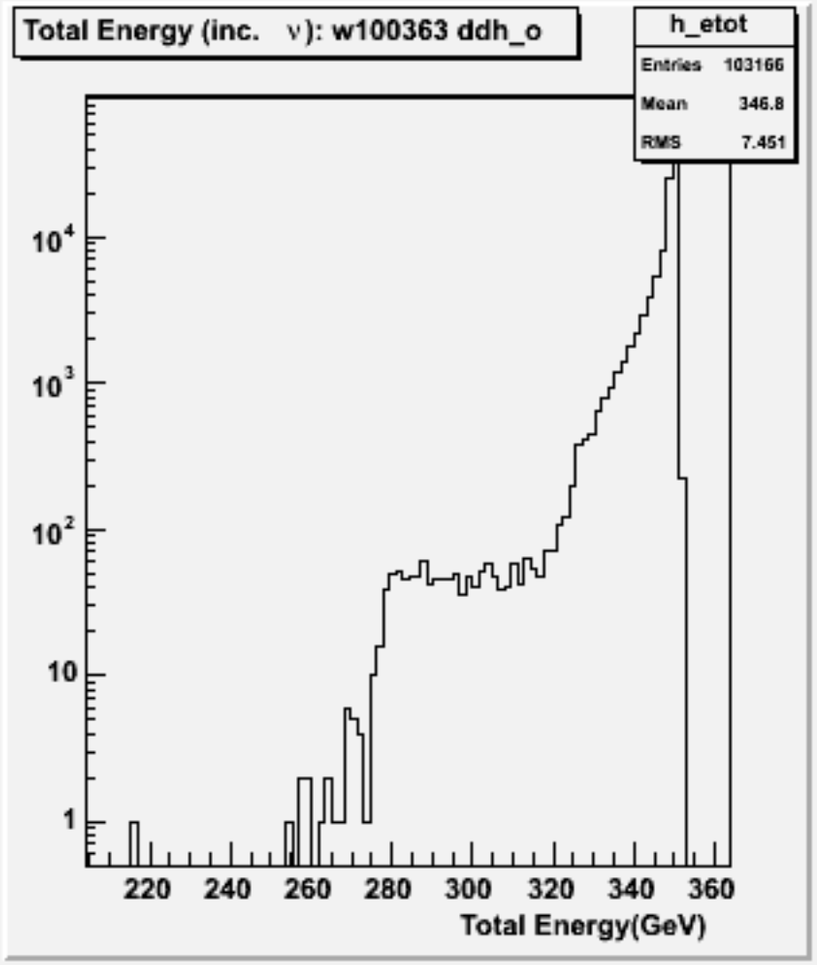

Particle Energy : w100363 ddh_o
h_e
Entries 9957211
Mean 3.593
RMS 7.055
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

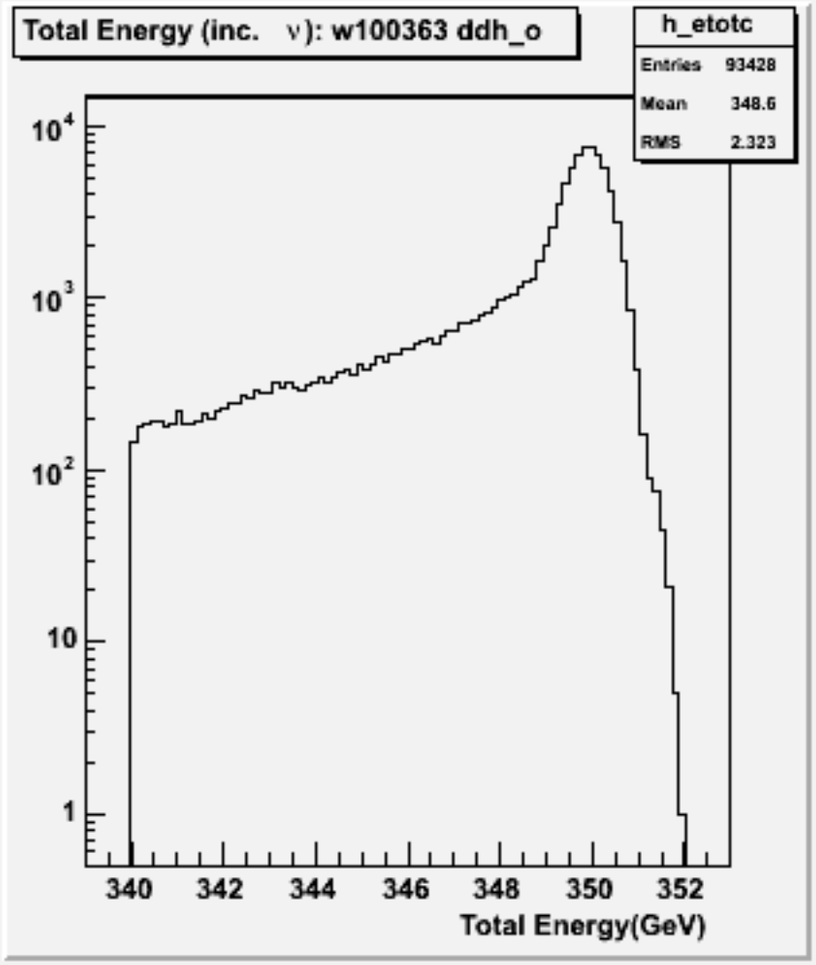

Particle Pt : w100363 ddh_o
h_pt
Entries 9957211
Mean 2.766
RMS 5.55
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

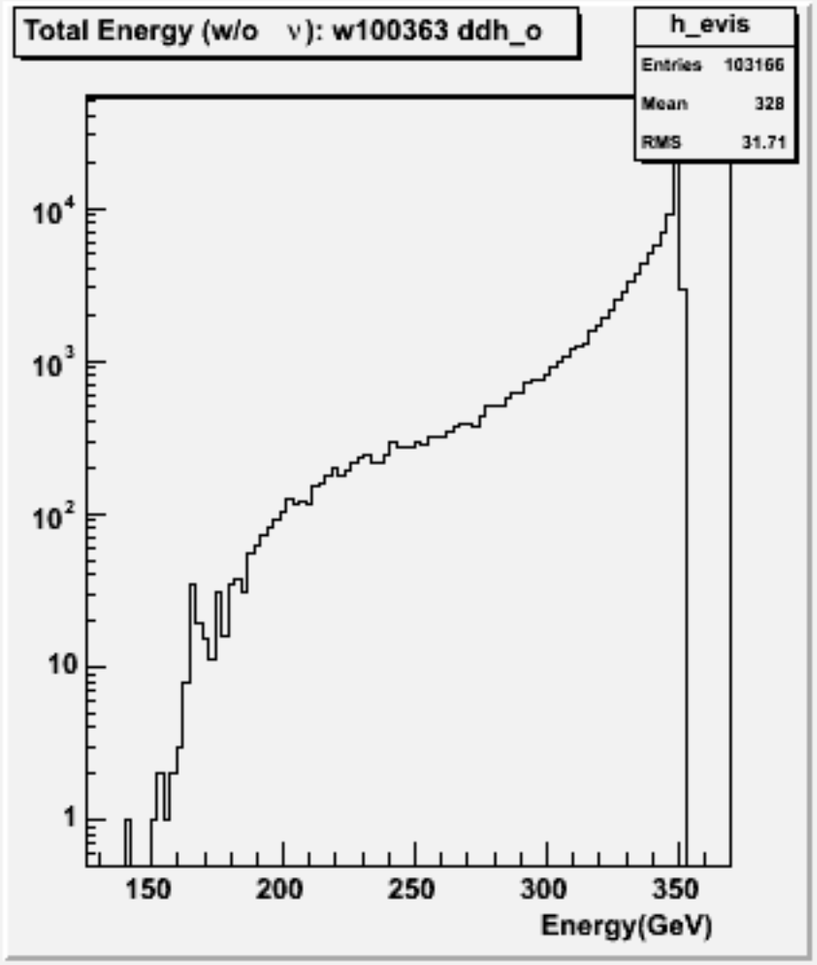
Particle cosθ : w100363 ddh_o
h_cs
Entries 9957211
Mean 0.001883
RMS 0.5768
10^5
-1
-0.5
0
0.5
1
cos θ

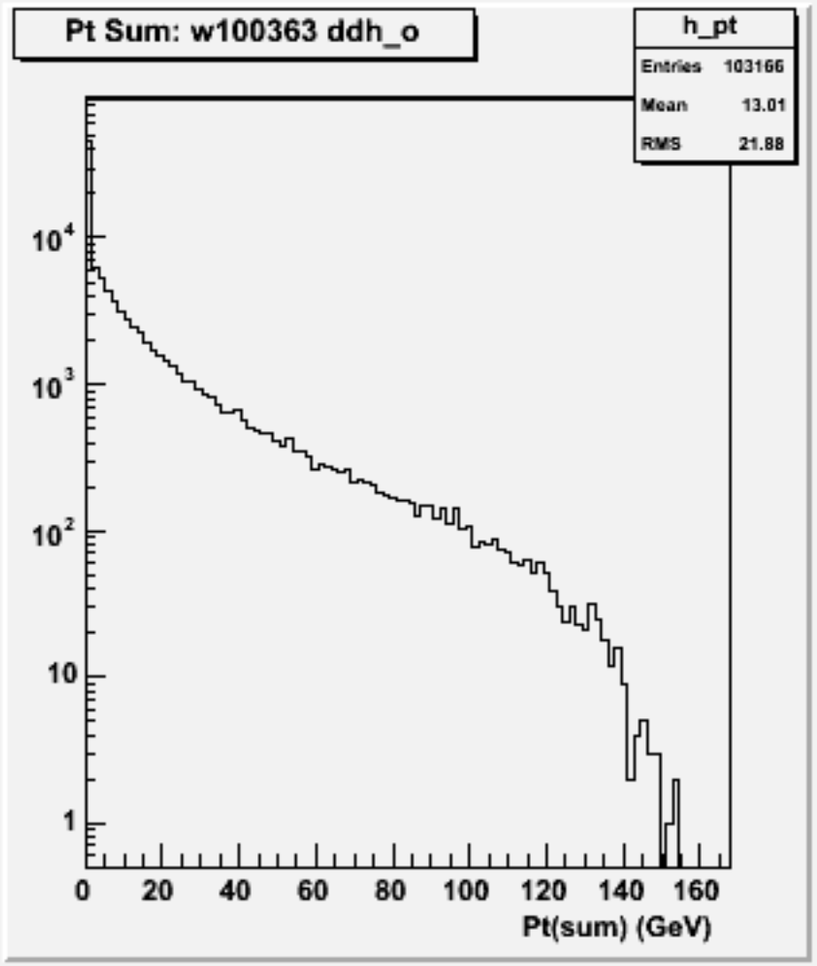
Start point R : w100363 ddh_o
h_vr
Entries 9957211
Mean 27.71
RMS 217.1
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
40000
Start point Radius

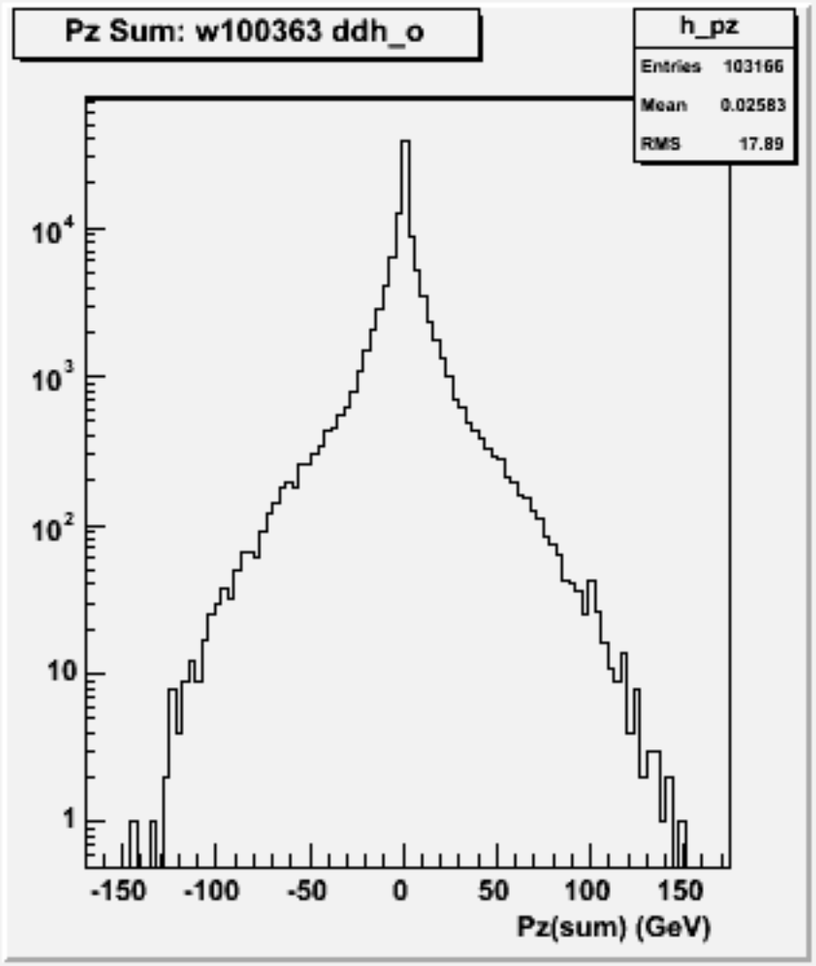
Start point Z : w100363 ddh_o
h_vz
Entries 9957211
Mean -0.0446
RMS 145.5
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-40000
-20000
0
20000
40000
60000
80000
Start point

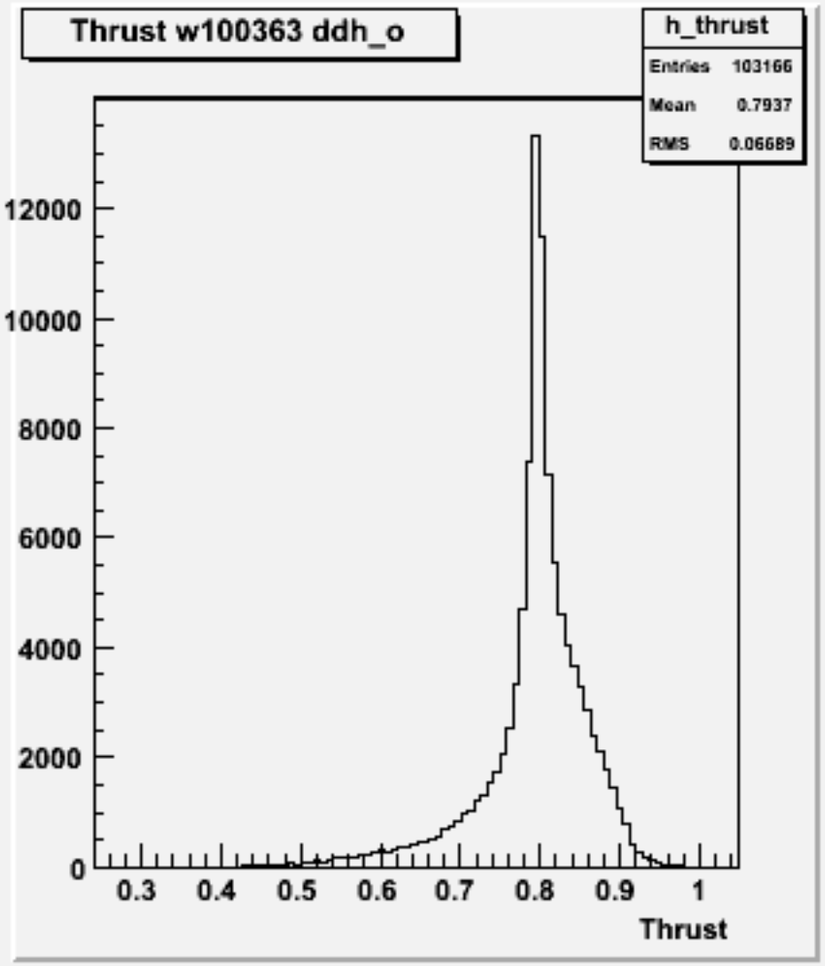

Total Energy (inc. ν): w100363 ddh_o
h_etot
Entries 103166
Mean 346.8
RMS 7.451
Total Energy(GeV)

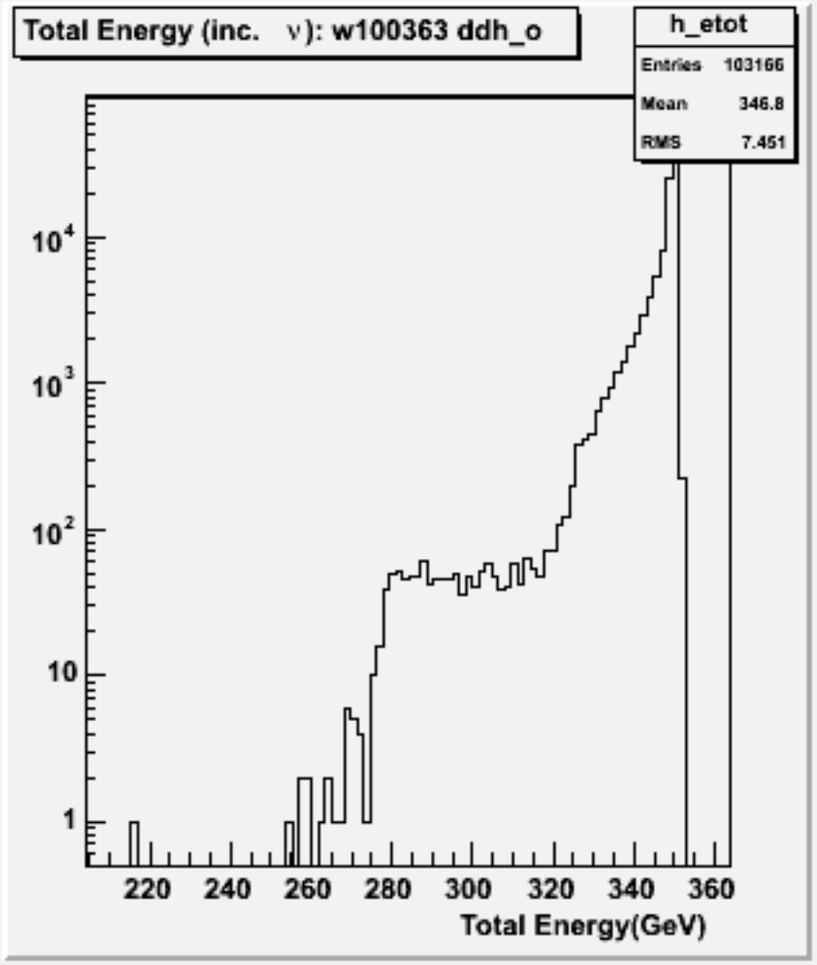

Total Energy (inc. ν): w100363 ddh_o
h_etotc
Entries 93428
Mean 348.6
RMS 2.323
Total Energy(GeV)

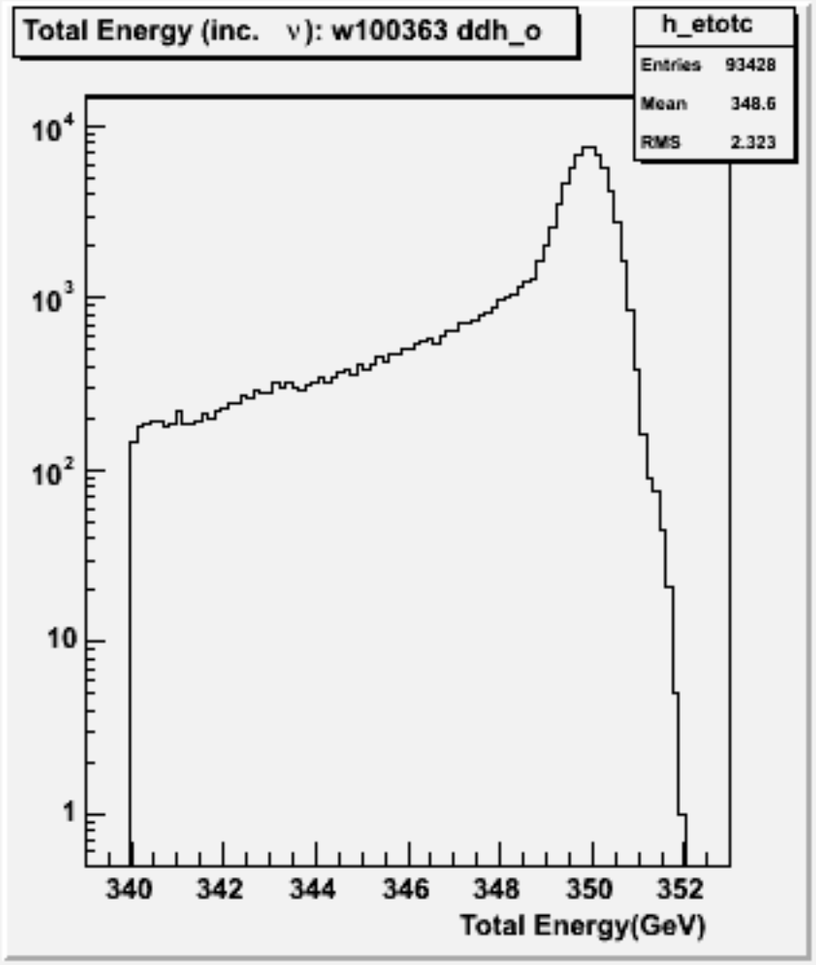

Total Energy (w/o ν): w100363 ddh_o
h_evis
Entries 103166
Mean 328
RMS 31.71
Energy(GeV)

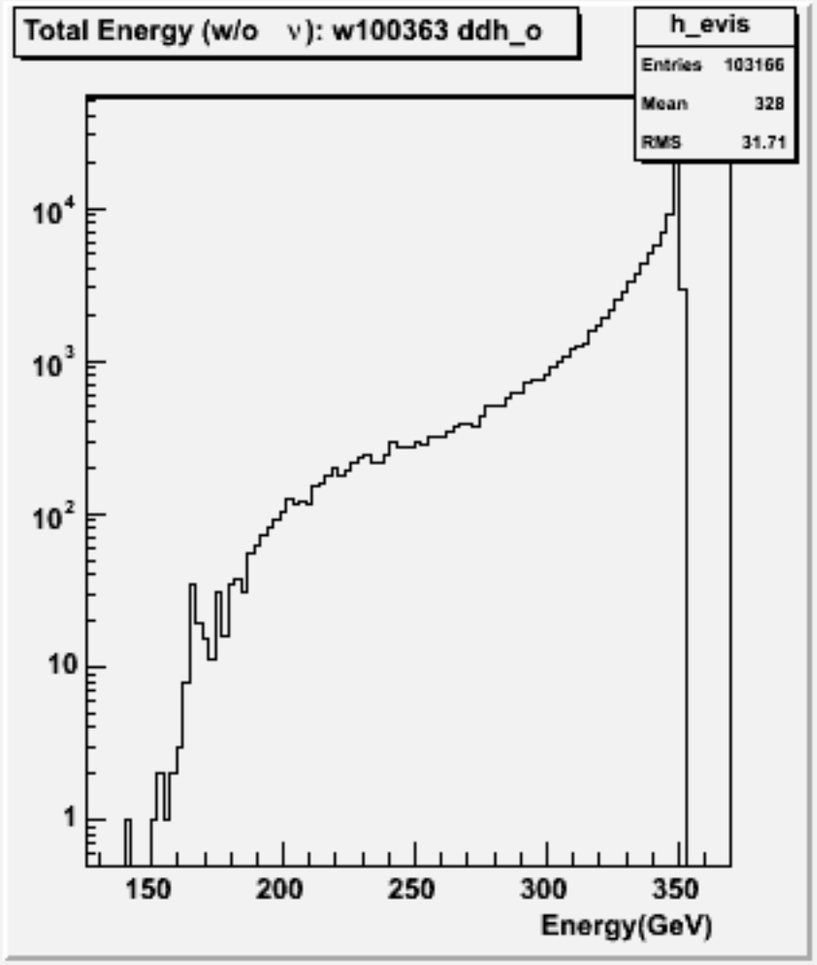

Pt Sum: w100363 ddh_o
h_pt
Entries 103166
Mean 13.01
RMS 21.88
Pt(sum) (GeV)

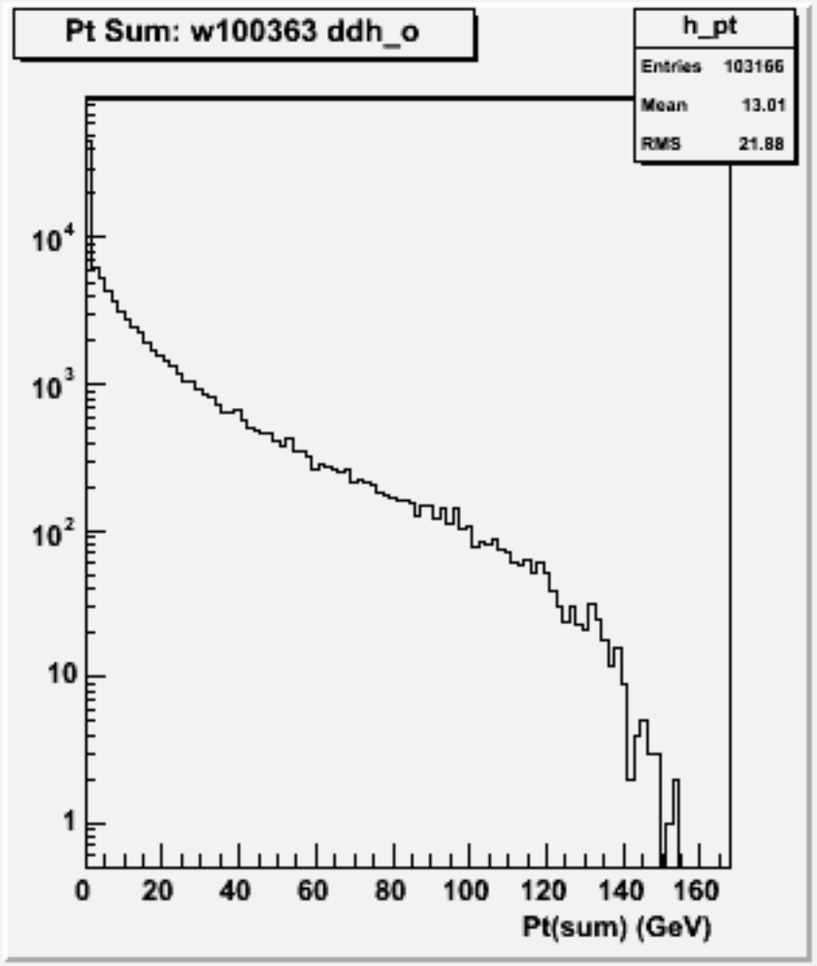

Pz Sum: w100363 ddh_o
h_pz
Entries 103166
Mean 0.02583
RMS 17.89
Pz(sum) (GeV)

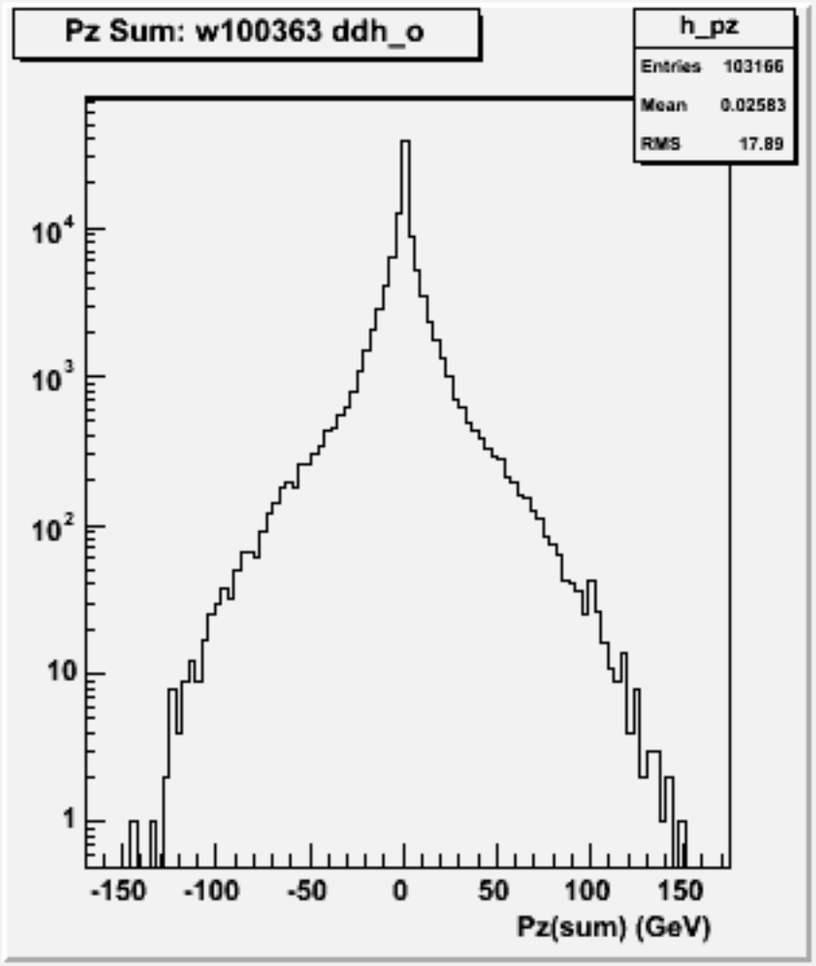

Thrust w100363 ddh_o
h_thrust
Entries 103166
Mean 0.7937
RMS 0.06689
Thrust

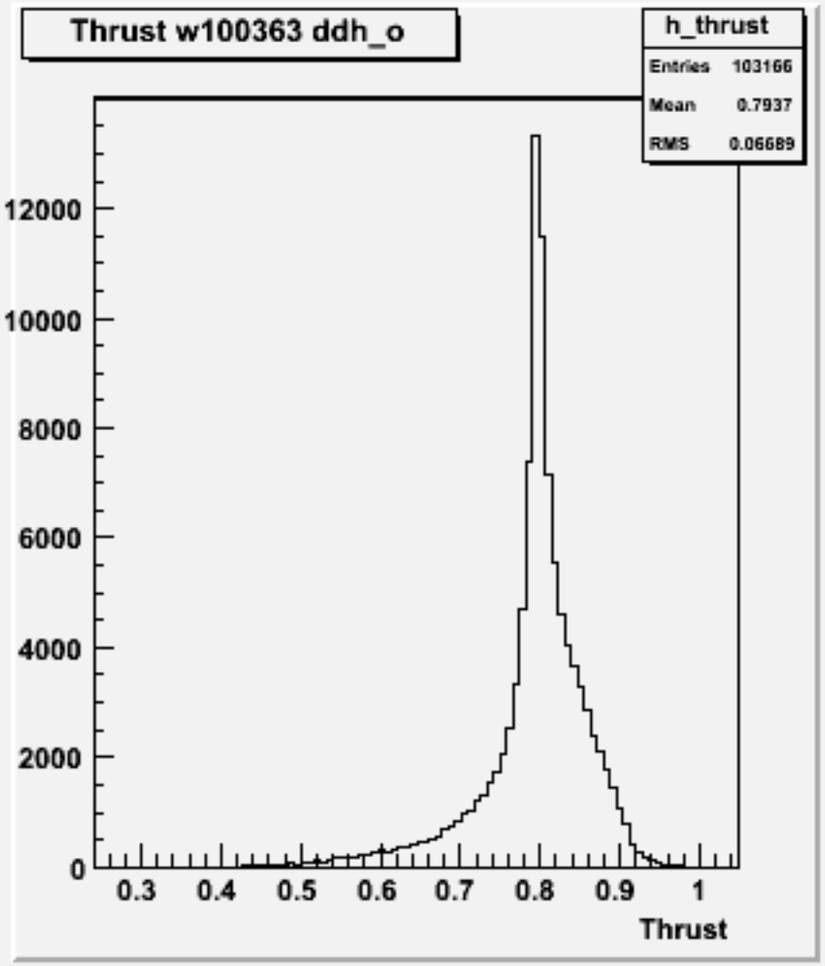

Total Energy (inc. ν): w100363 ddh_o
h_etot
Entries 103166
Mean 346.8
RMS 7.451
Total Energy(GeV)

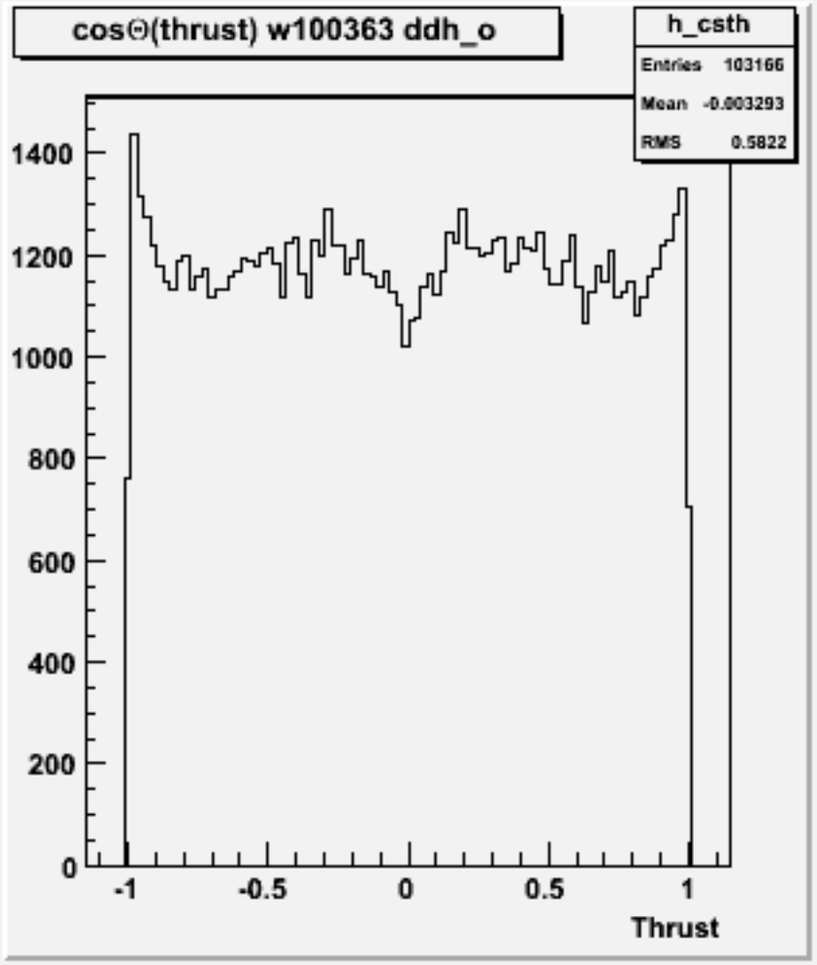

Total Energy (inc. ν): w100363 ddh_o
h_etotc
Entries 93428
Mean 348.6
RMS 2.323
Total Energy(GeV)

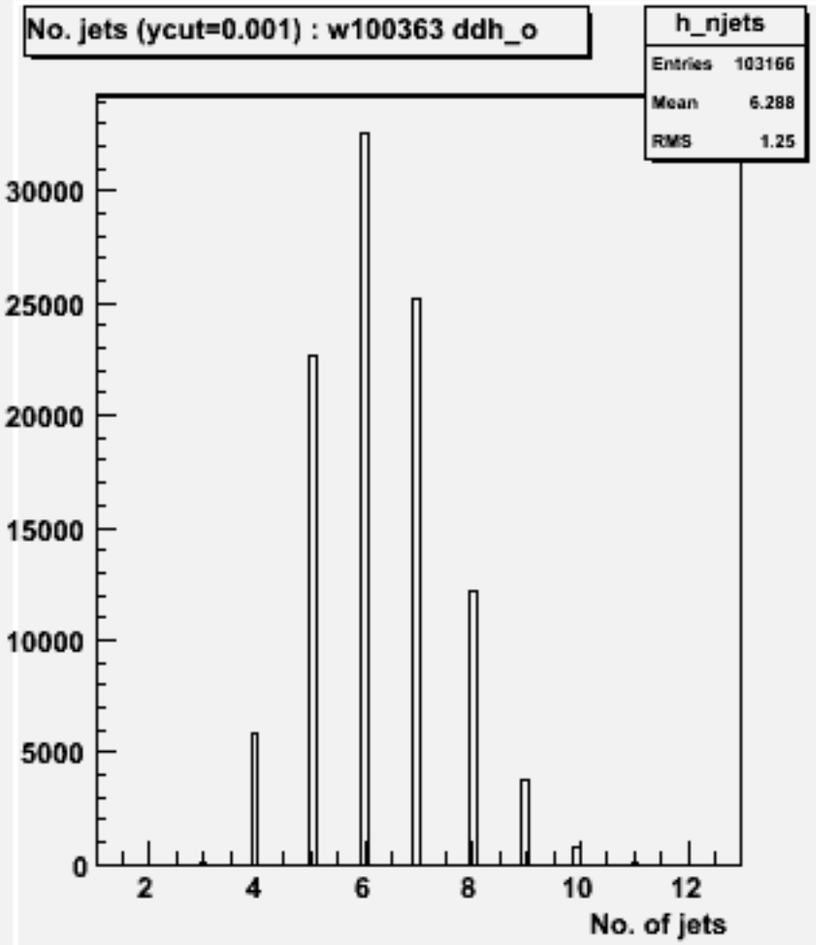

Total Energy (w/o ν): w100363 ddh_o
h_evis
Entries 103166
Mean 328
RMS 31.71
Energy(GeV)

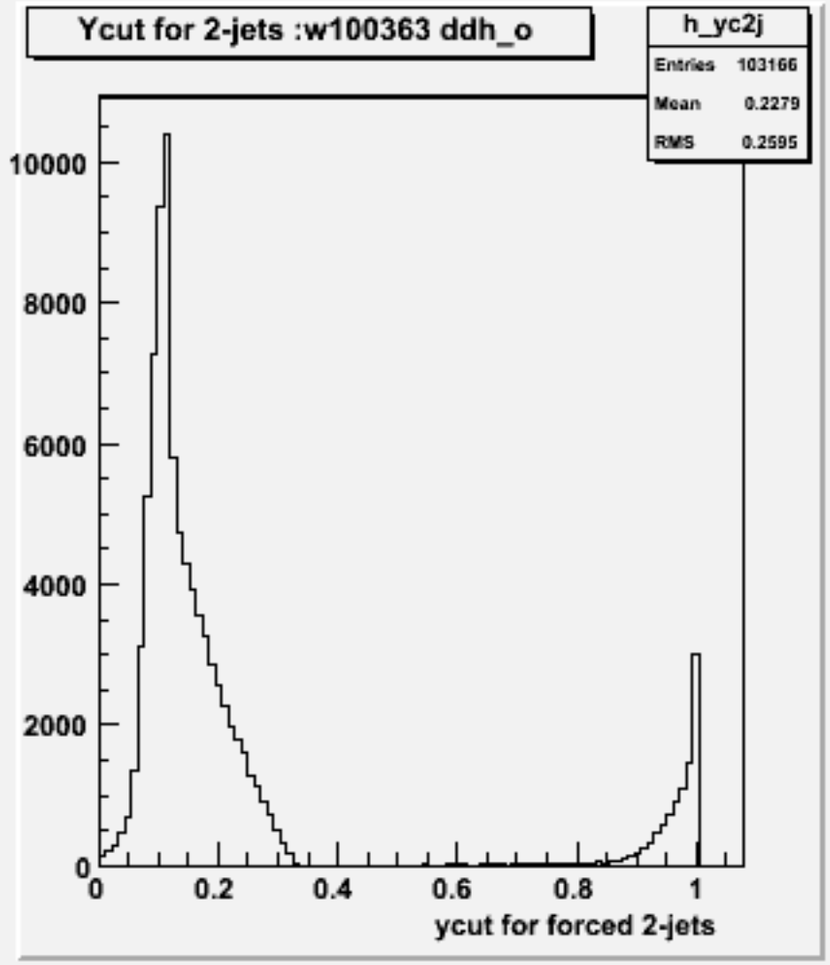

Pt Sum: w100363 ddh_o
h_pt
Entries 103166
Mean 13.01
RMS 21.88
Pt(sum) (GeV)

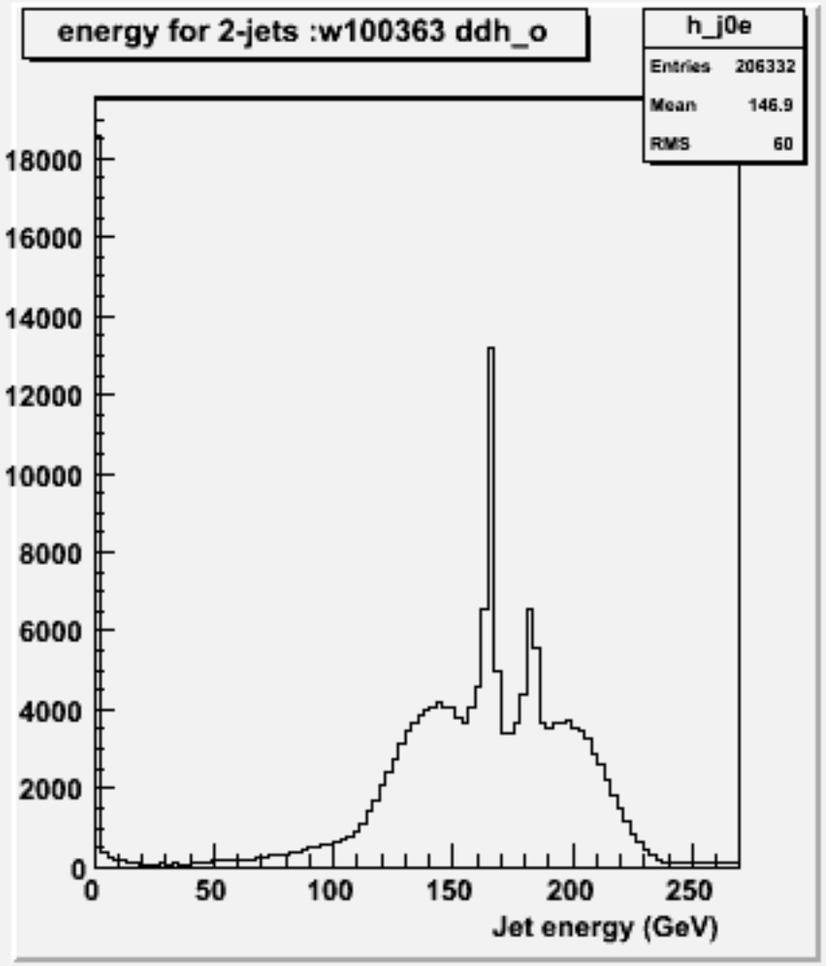

Pz Sum: w100363 ddh_o
h_pz
Entries 103166
Mean 0.02583
RMS 17.89
Pz(sum) (GeV)

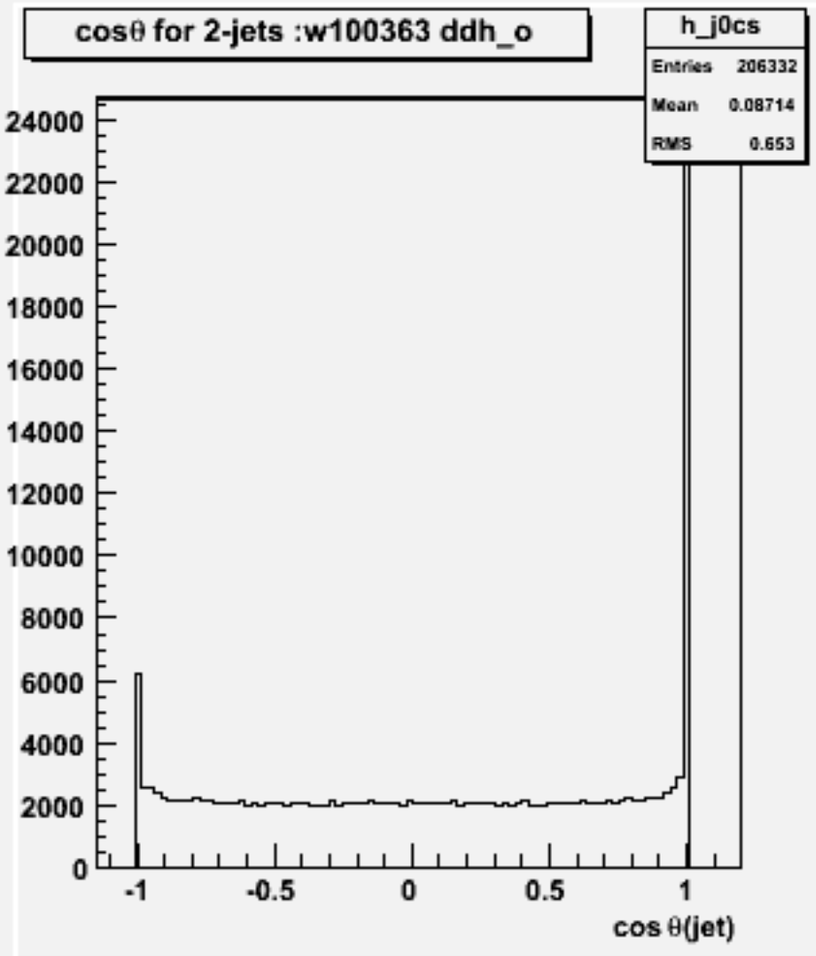

Thrust w100363 ddh_o
h_thrust
Entries 103166
Mean 0.7937
RMS 0.06689
Thrust

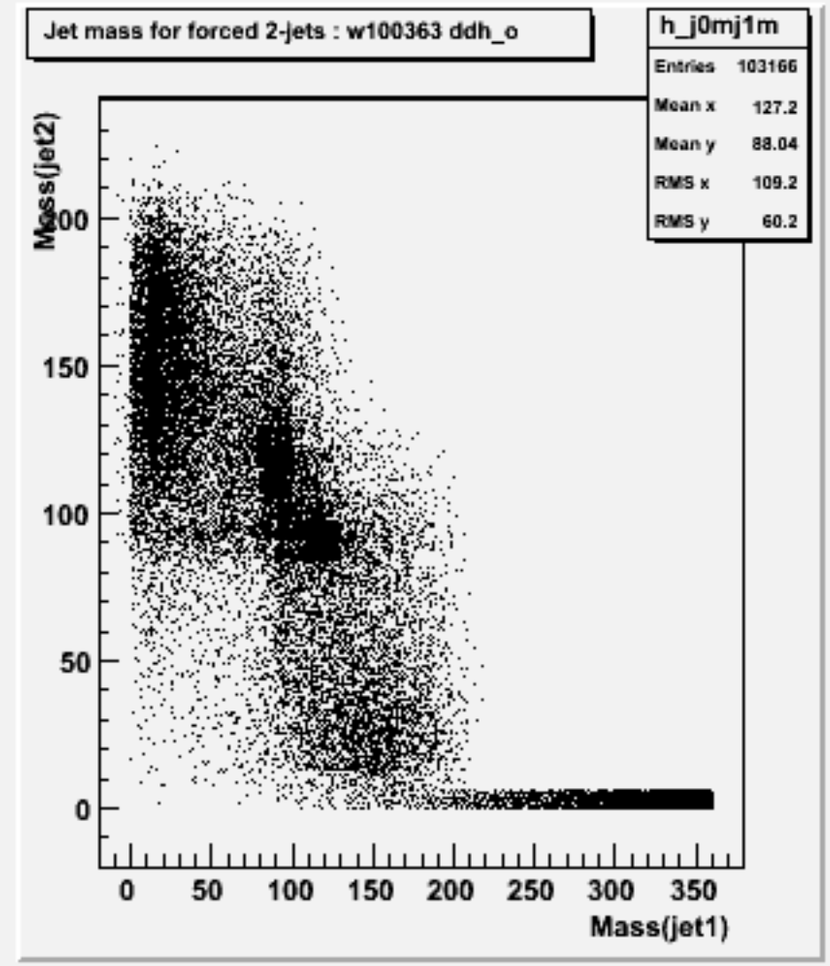

cosΘ(thrust) w100363 ddh_o
h_csth
Entries 103166
Mean -0.003293
RMS 0.5822
Thrust

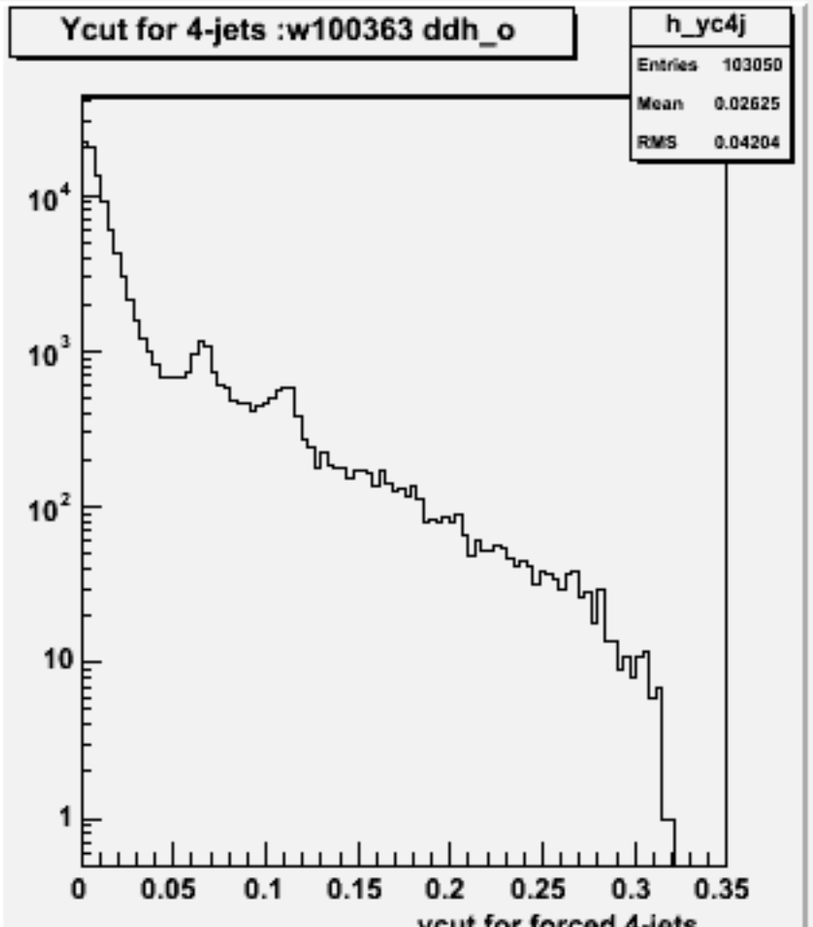

No. jets (ycut=0.001) : w100363 ddh_o
h_njets
Entries 103166
Mean 6.288
RMS 1.25
No. of jets

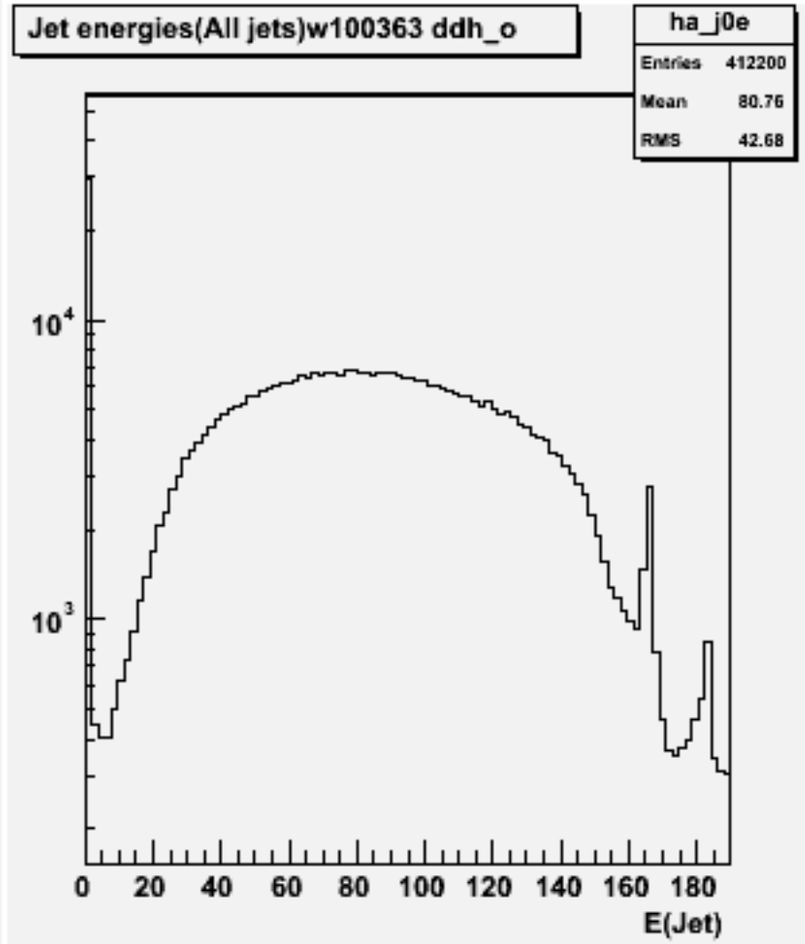

Ycut for 2-jets :w100363 ddh_o
h_yc2j
Entries 103166
Mean 0.2279
RMS 0.2595
ycut for forced 2-jets

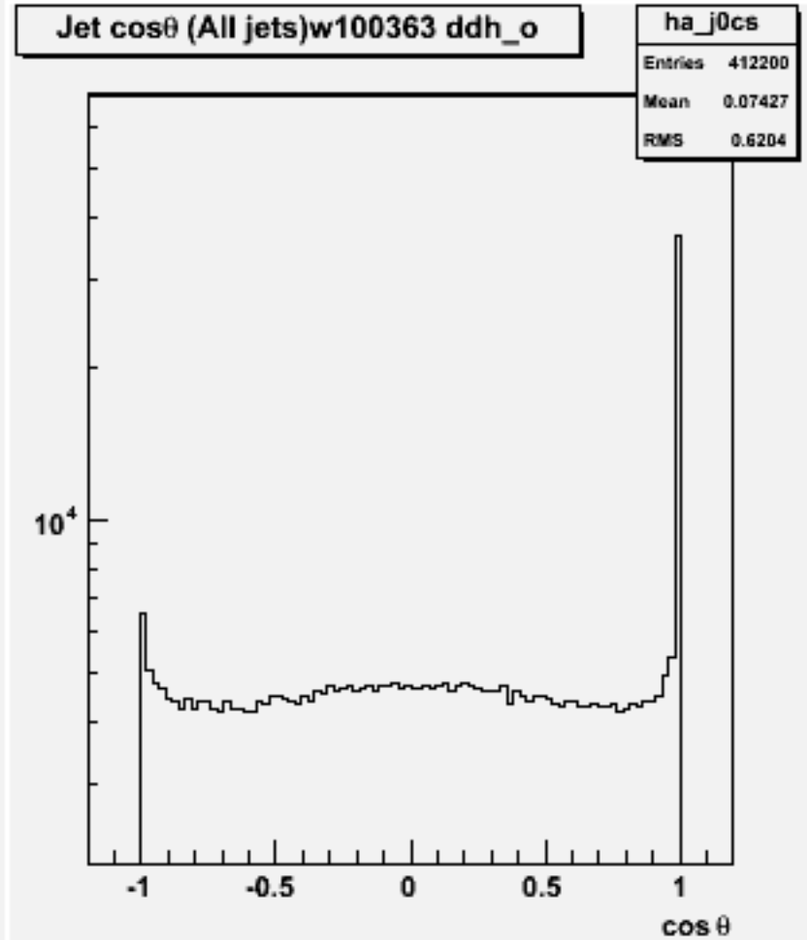

energy for 2-jets :w100363 ddh_o
h_j0e
Entries 206332
Mean 146.9
RMS 60
Jet energy (GeV)

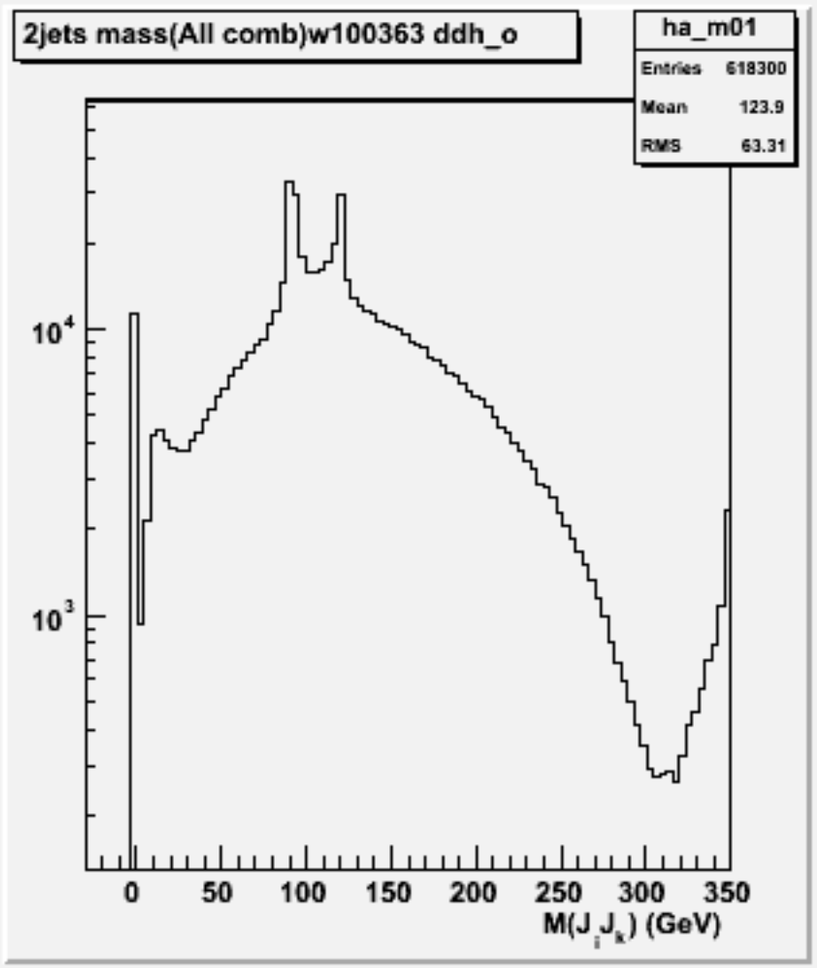

cosθ for 2-jets :w100363 ddh_o
h_j0cs
Entries 206332
Mean 0.08714
RMS 0.653
cos θ(jet)

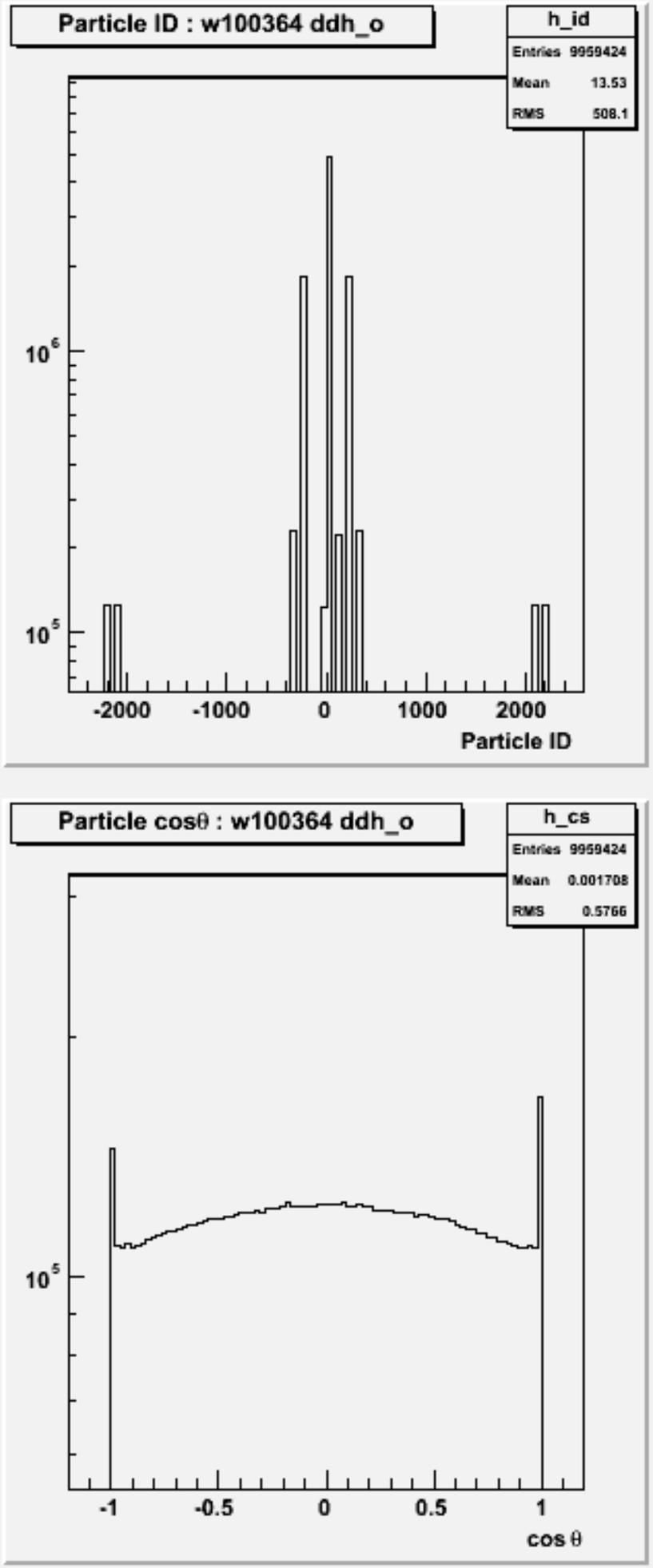

Jet mass for forced 2-jets : w100363 ddh_o
h_j0mj1m
Entries 103166
Mean x 127.2
Mean y 88.04
RMS x 109.2
RMS y 60.2
Mass(jet2)
Mass(jet1)

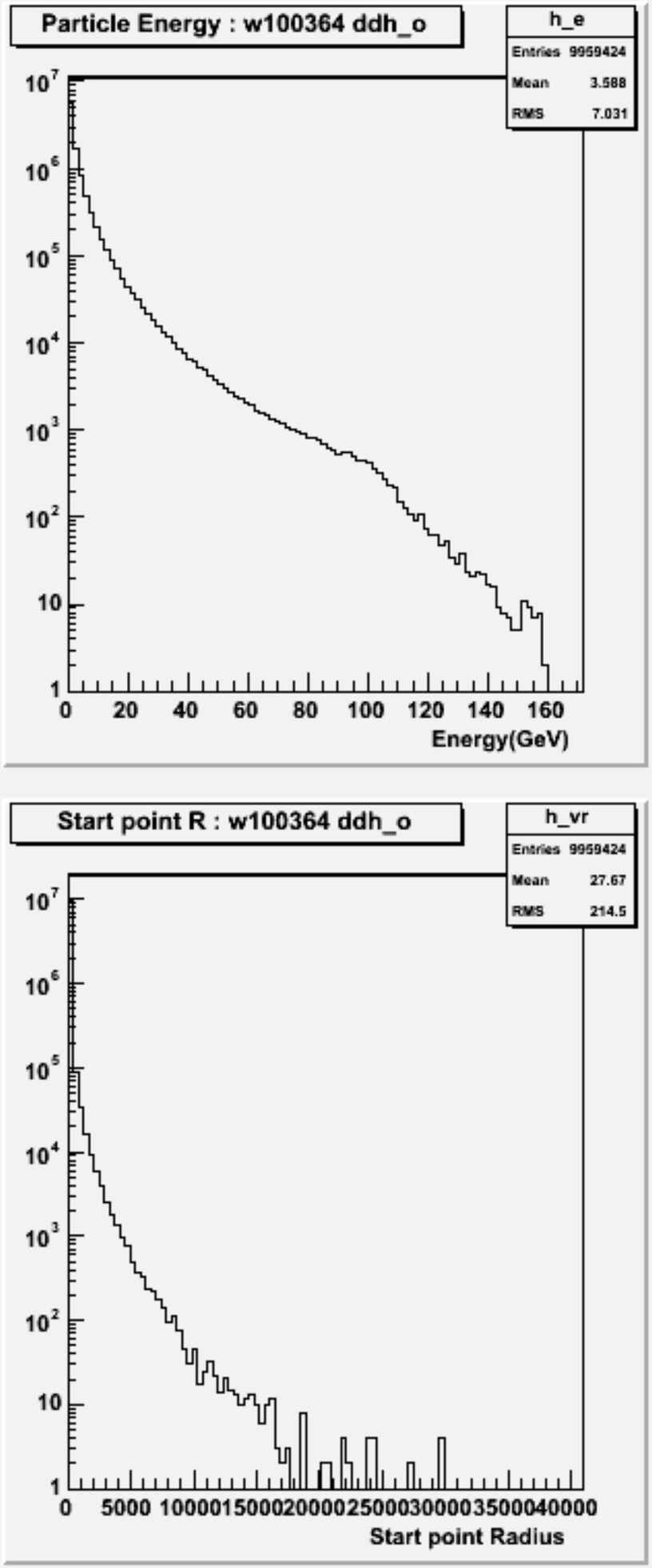

Ycut for 4-jets :w100363 ddh_o
h_yc4j
Entries 103050
Mean 0.02625
RMS 0.04204
ycut for forced 4-jets

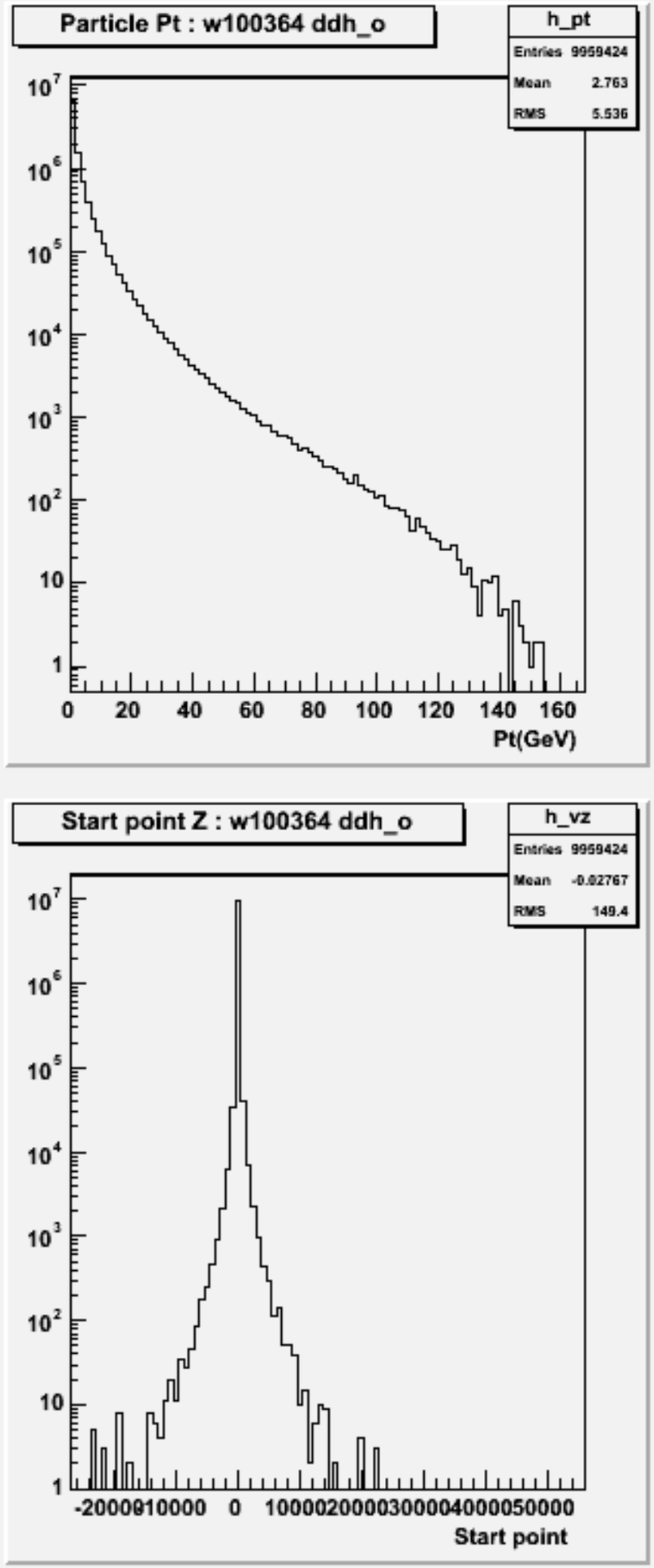

Jet energies(All jets)w100363 ddh_o
ha_j0e
Entries 412200
Mean 80.76
RMS 42.68
E(Jet)


Jet cosθ (All jets)w100363 ddh_o
ha_j0cs
Entries 412200
Mean 0.07427
RMS 0.6204
cos θ


2jets mass(All comb)w100363 ddh_o
ha_m01
Entries 618300
Mean 123.9
RMS 63.31
M(J_iJ_k) (GeV)


Particle ID : w100364 ddh_o
h_id
Entries 9959424
Mean 13.53
RMS 508.1
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

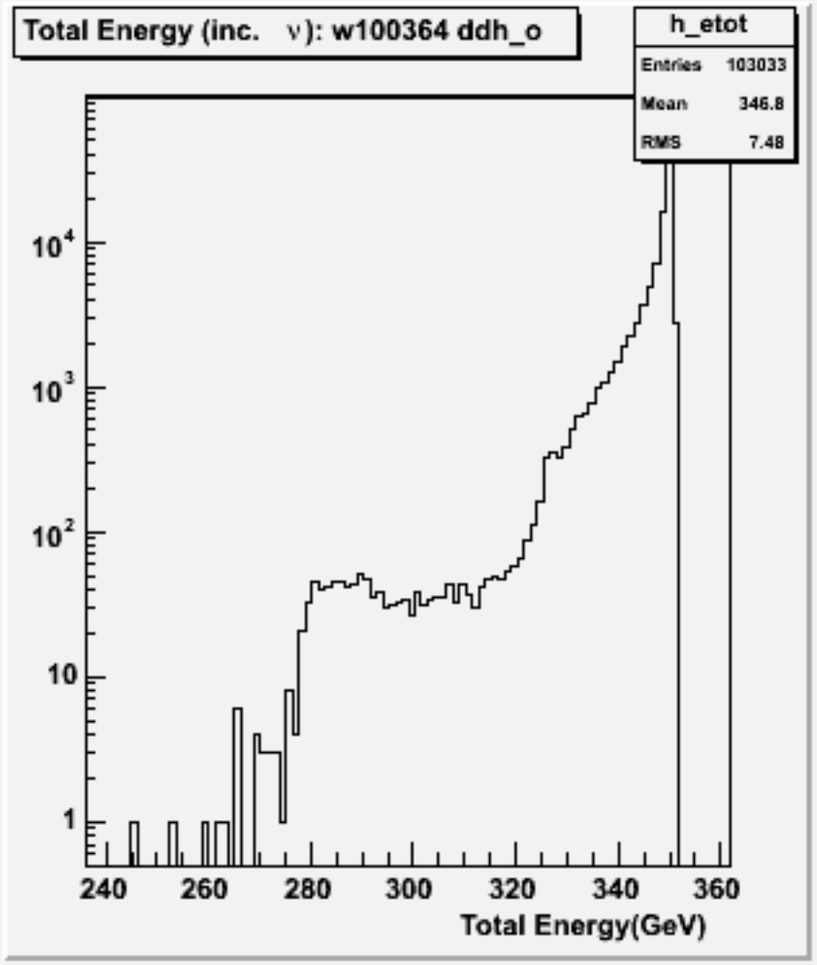

Particle Energy : w100364 ddh_o
h_e
Entries 9959424
Mean 3.588
RMS 7.031
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

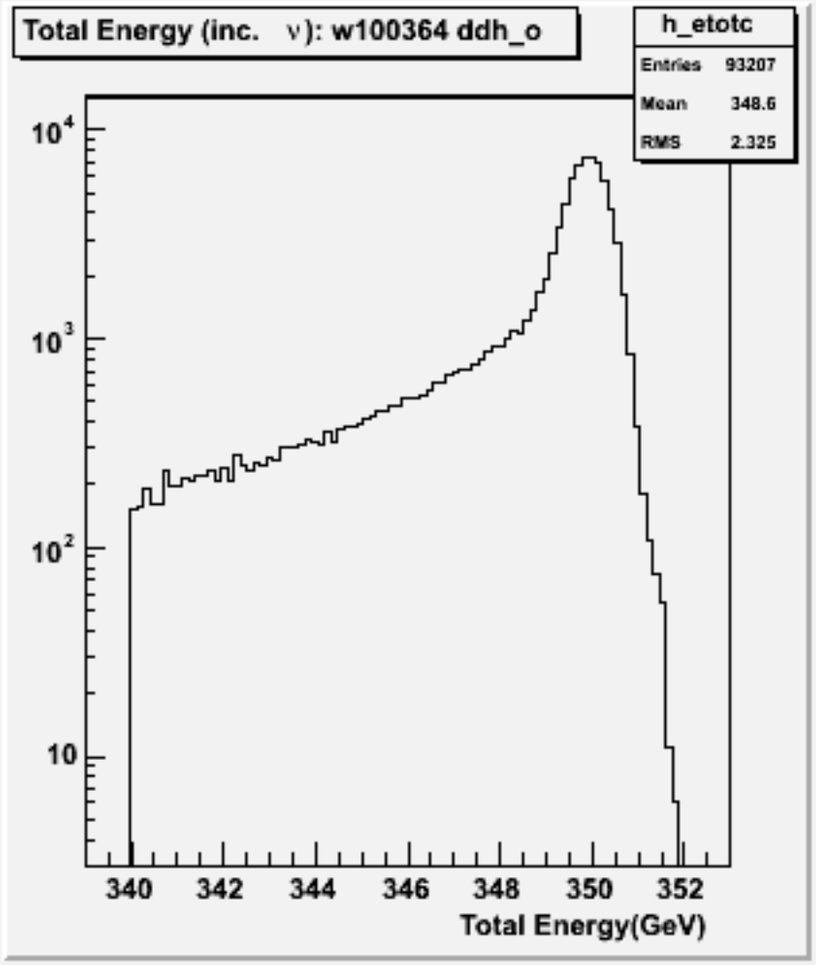

Particle Pt : w100364 ddh_o
h_pt
Entries 9959424
Mean 2.763
RMS 5.536
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

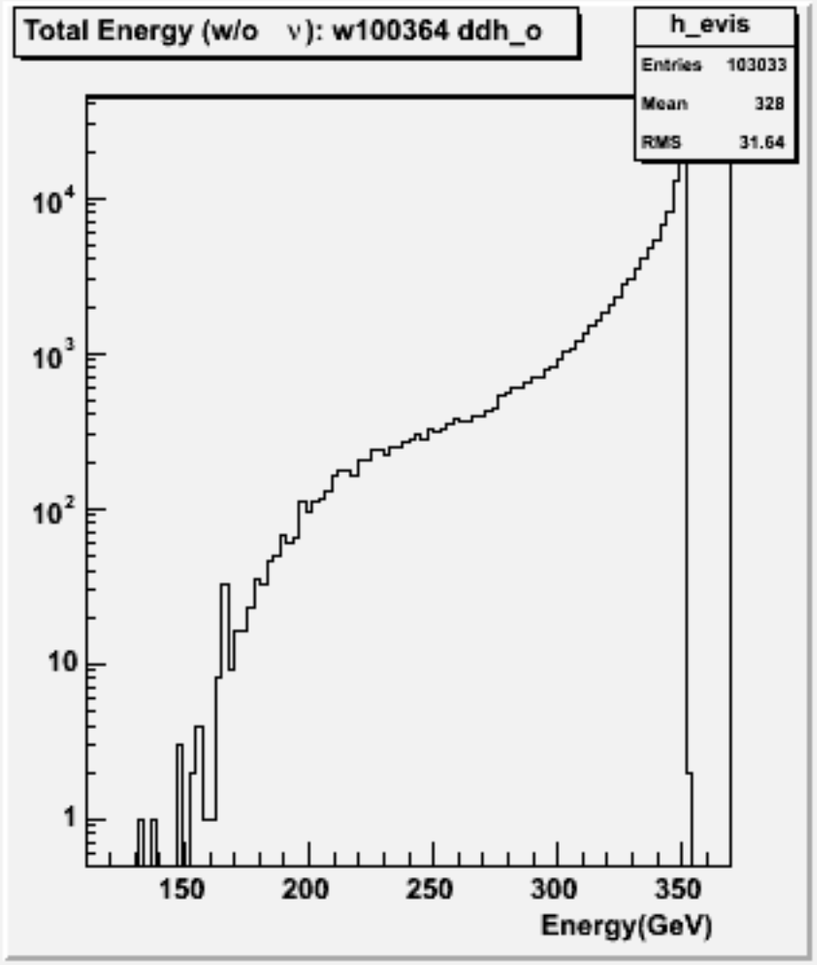
Particle cosθ : w100364 ddh_o
h_cs
Entries 9959424
Mean 0.001708
RMS 0.5766
10^5
-1
-0.5
0
0.5
1
cos θ

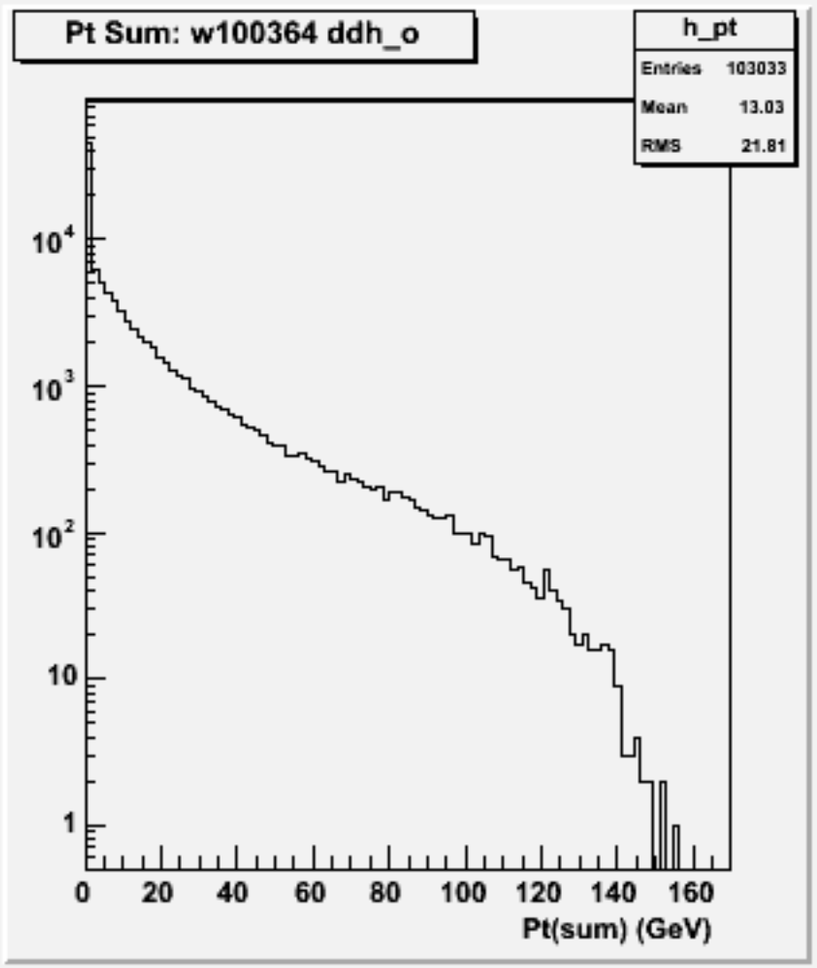
Start point R : w100364 ddh_o
h_vr
Entries 9959424
Mean 27.67
RMS 214.5
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
40000
Start point Radius

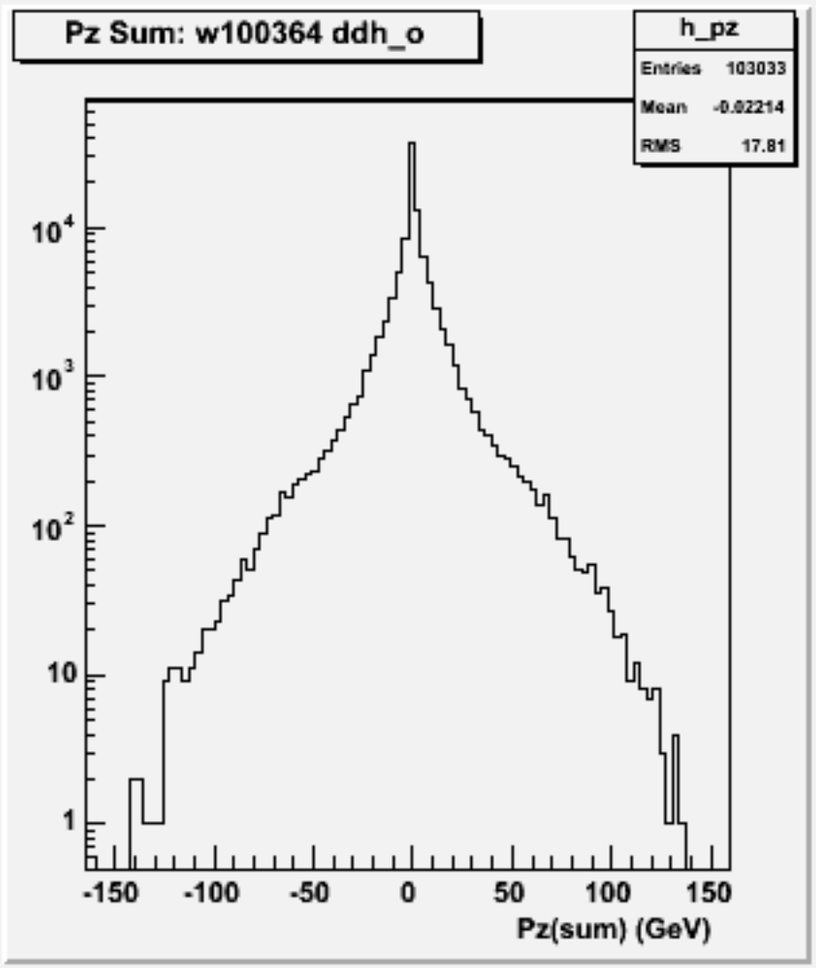
Start point Z : w100364 ddh_o
h_vz
Entries 9959424
Mean -0.02767
RMS 149.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
30000
40000
50000
Start point

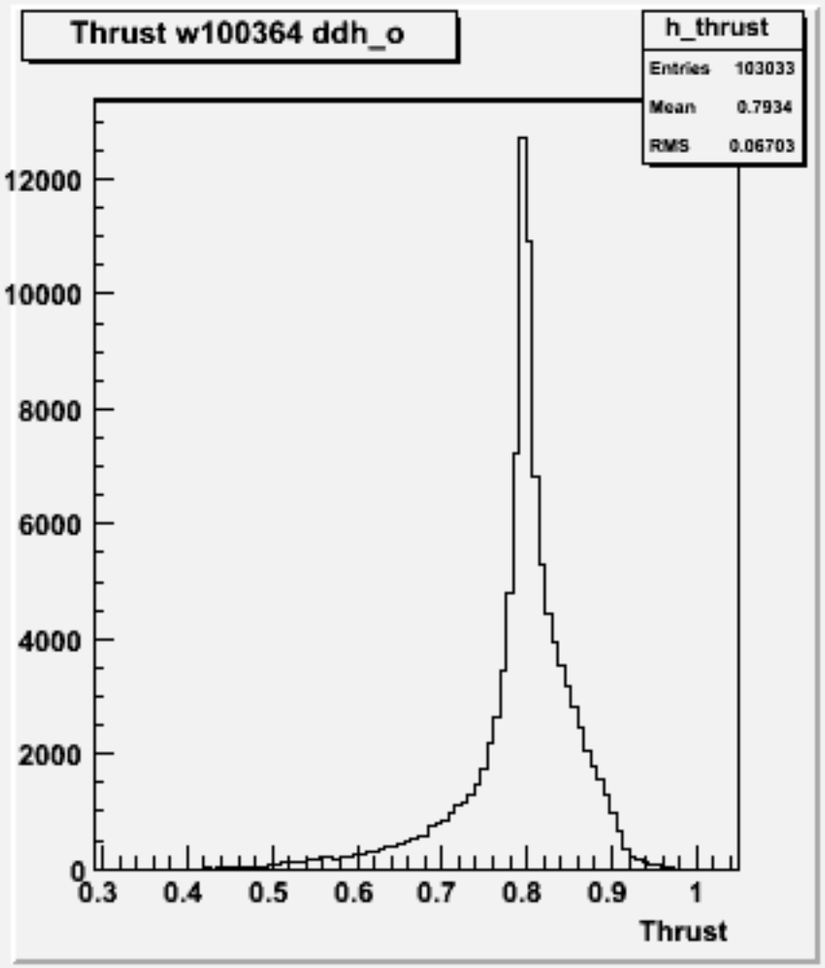

Total Energy (inc. ν): w100364 ddh_o
h_etot
Entries 103033
Mean 346.8
RMS 7.48
Total Energy(GeV)

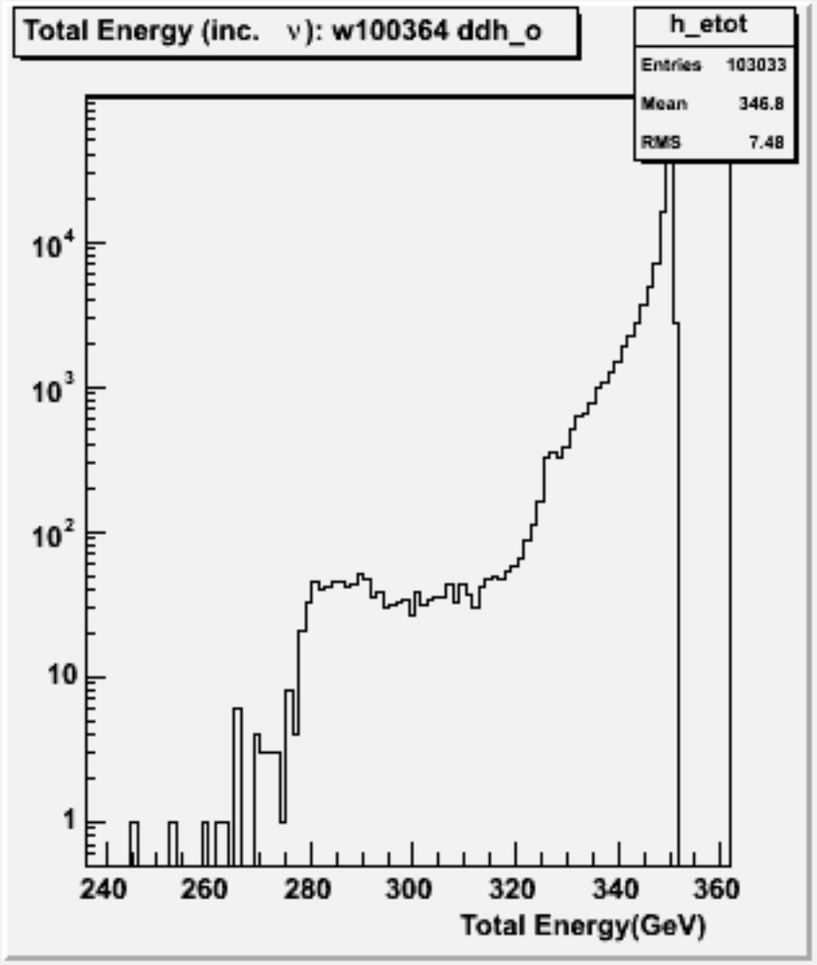

Total Energy (inc. ν): w100364 ddh_o
h_etotc
Entries 93207
Mean 348.6
RMS 2.325
Total Energy(GeV)

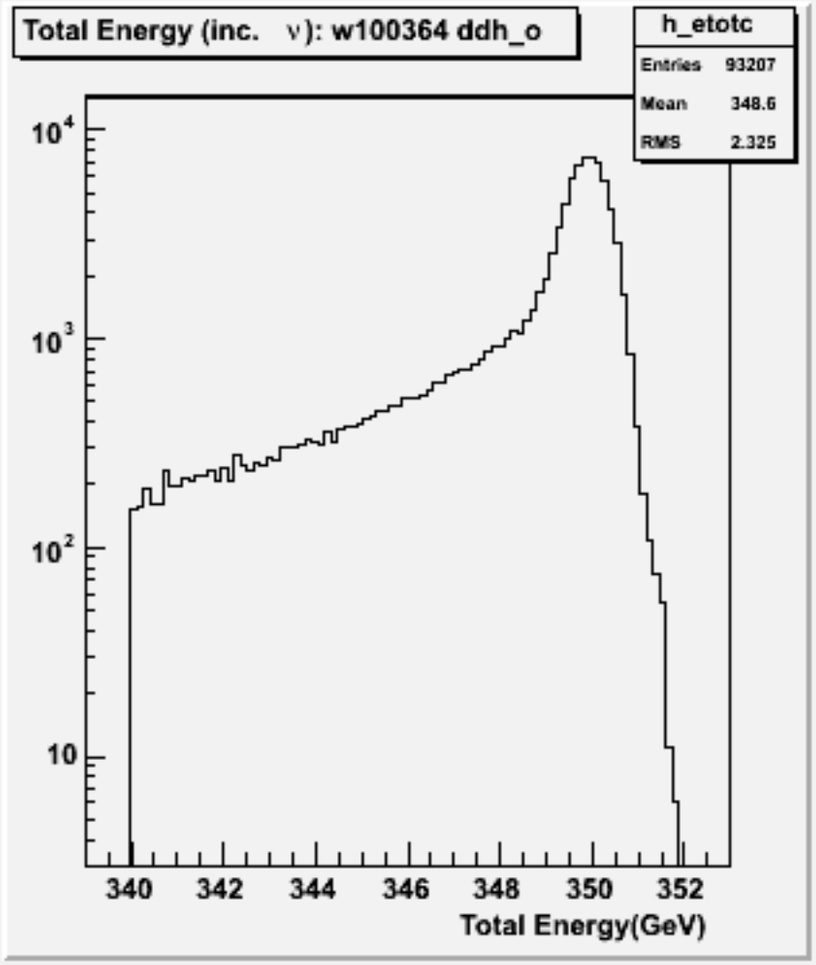

Total Energy (w/o ν): w100364 ddh_o
h_evis
Entries 103033
Mean 328
RMS 31.64
Energy(GeV)

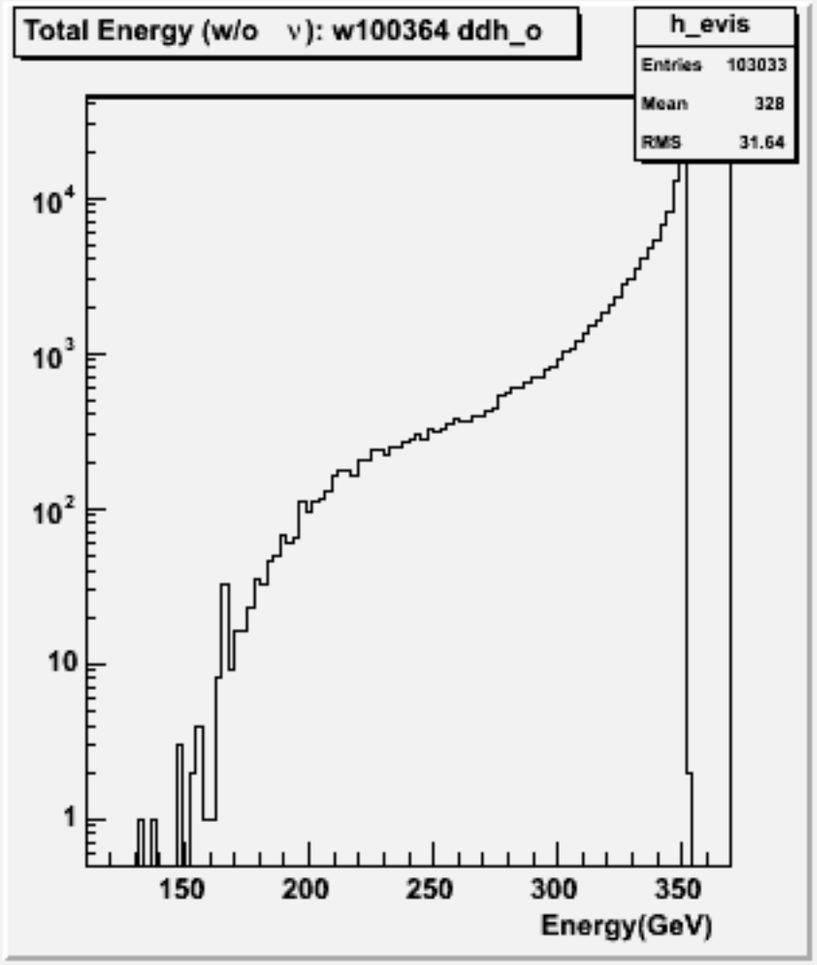

Pt Sum: w100364 ddh_o
h_pt
Entries 103033
Mean 13.03
RMS 21.81
Pt(sum) (GeV)

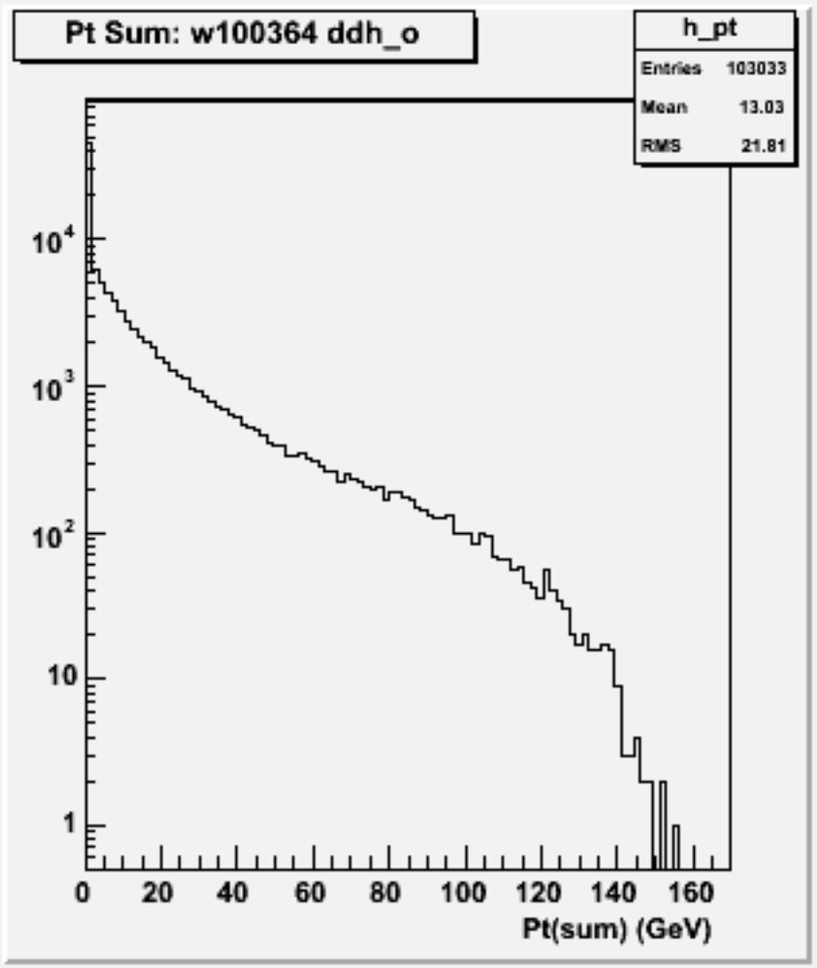

Pz Sum: w100364 ddh_o
h_pz
Entries 103033
Mean -0.02214
RMS 17.81
Pz(sum) (GeV)

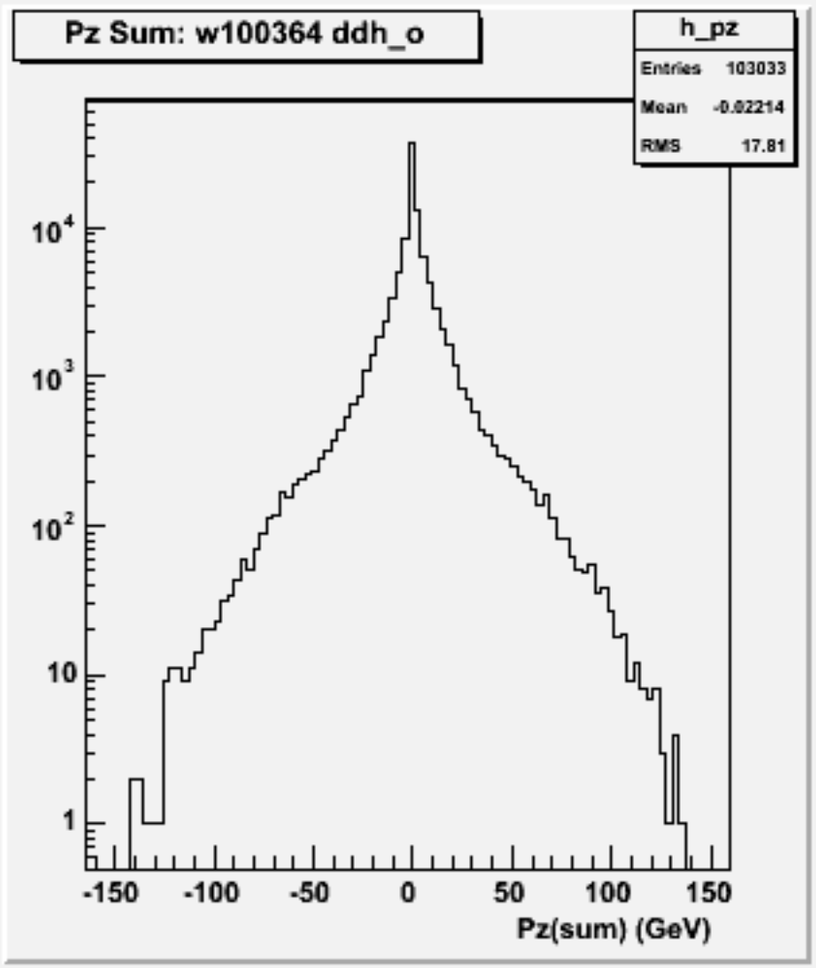

Thrust w100364 ddh_o
h_thrust
Entries 103033
Mean 0.7934
RMS 0.06703
Thrust

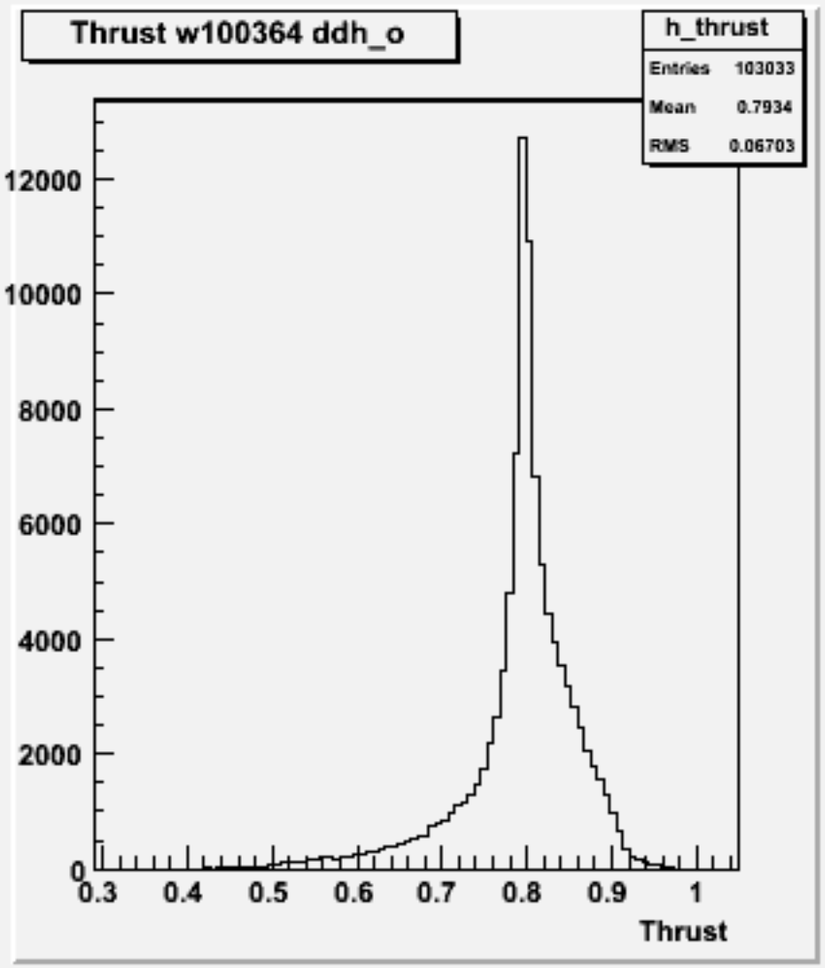

Total Energy (inc. ν): w100364 ddh_o
h_etot
Entries 103033
Mean 346.8
RMS 7.48
Total Energy(GeV)

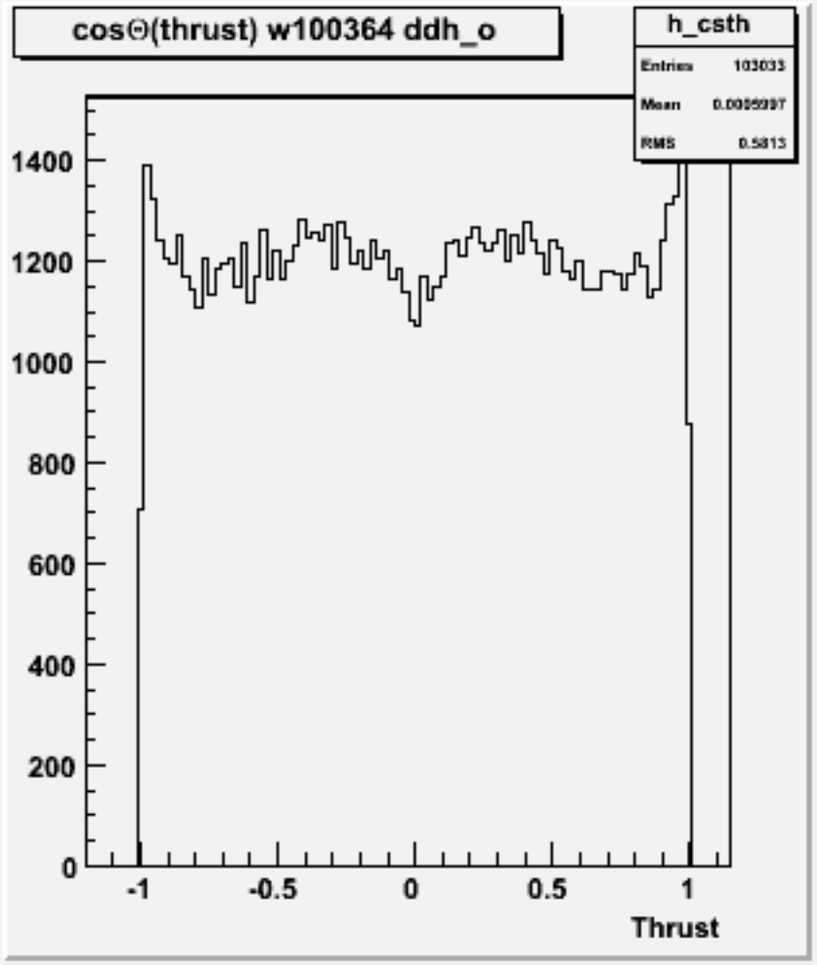

Total Energy (inc. ν): w100364 ddh_o
h_etotc
Entries 93207
Mean 348.6
RMS 2.325
Total Energy(GeV)

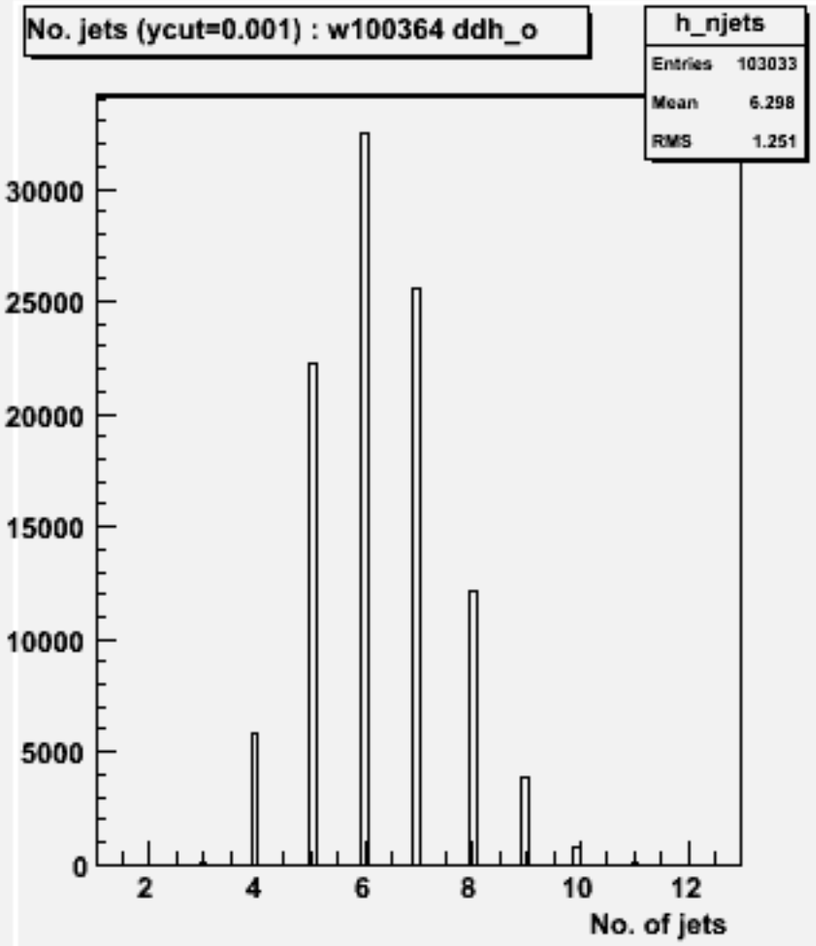

Total Energy (w/o ν): w100364 ddh_o
h_evis
Entries 103033
Mean 328
RMS 31.64
Energy(GeV)

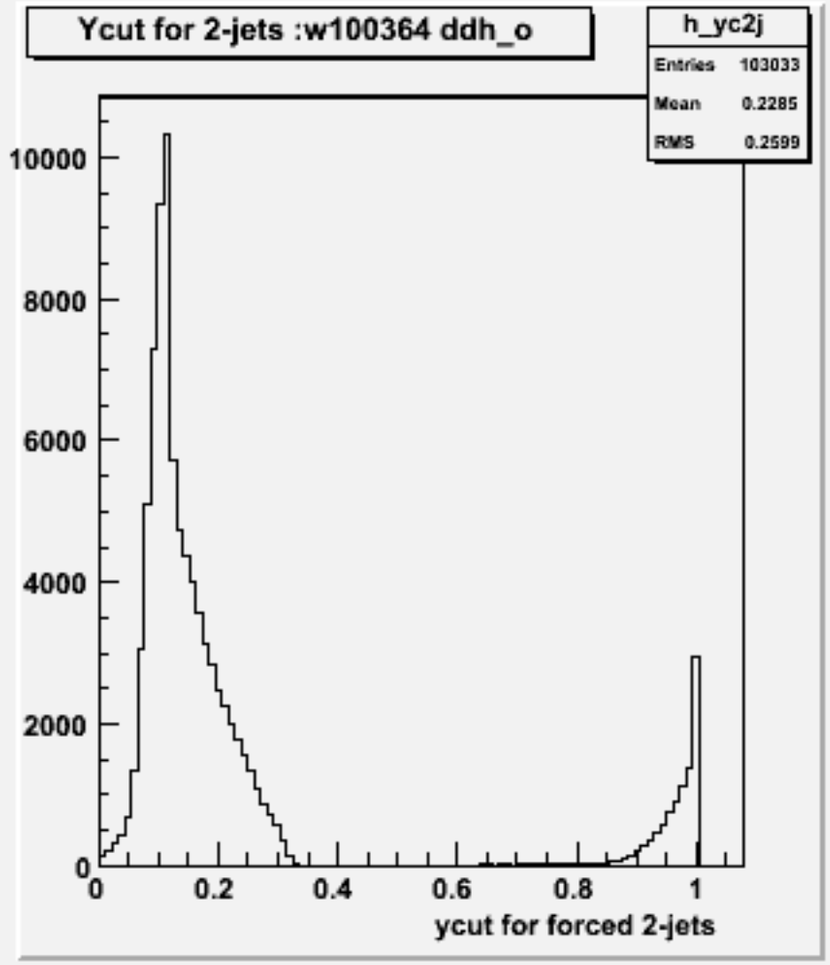

Pt Sum: w100364 ddh_o
h_pt
Entries 103033
Mean 13.03
RMS 21.81
Pt(sum) (GeV)

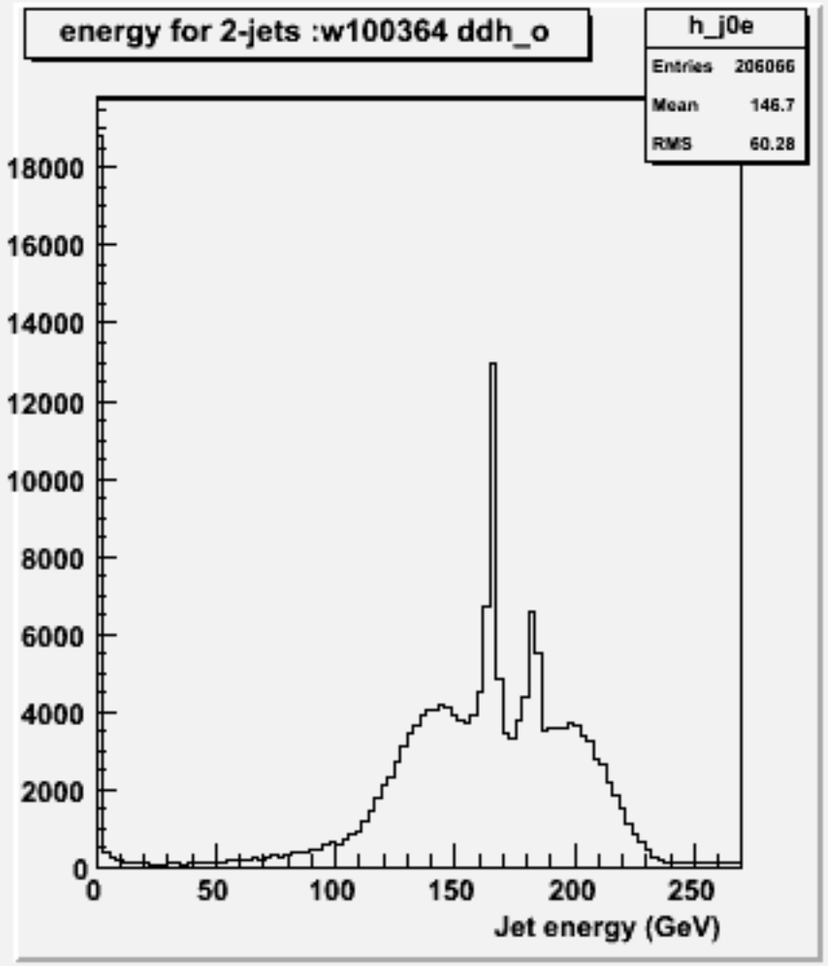

Pz Sum: w100364 ddh_o
h_pz
Entries 103033
Mean -0.02214
RMS 17.81
Pz(sum) (GeV)

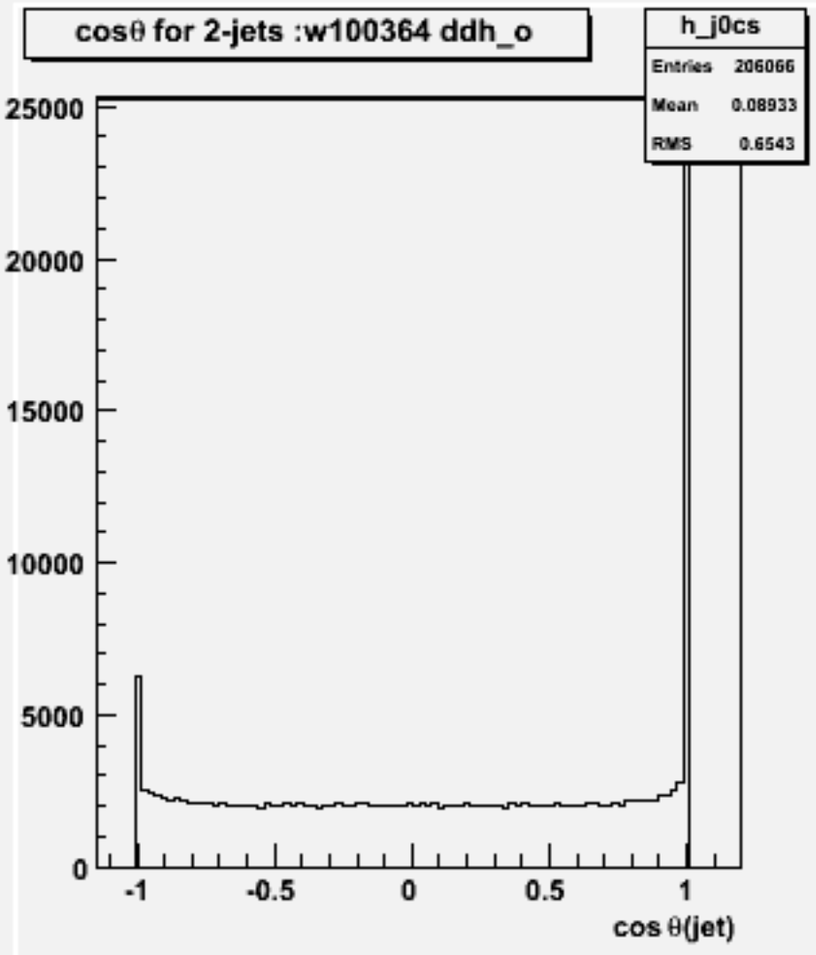

Thrust w100364 ddh_o
h_thrust
Entries 103033
Mean 0.7934
RMS 0.06703
Thrust

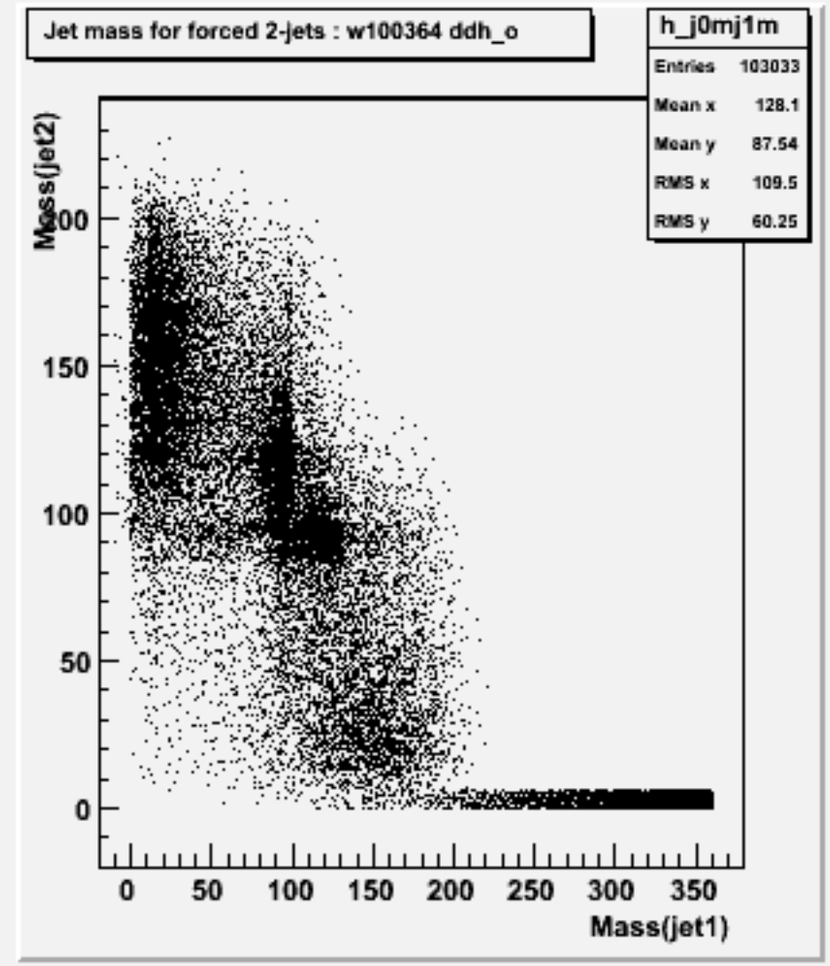

cosΘ(thrust) w100364 ddh_o
h_csth
Entries 103033
Mean 0.0005997
RMS 0.5813
Thrust

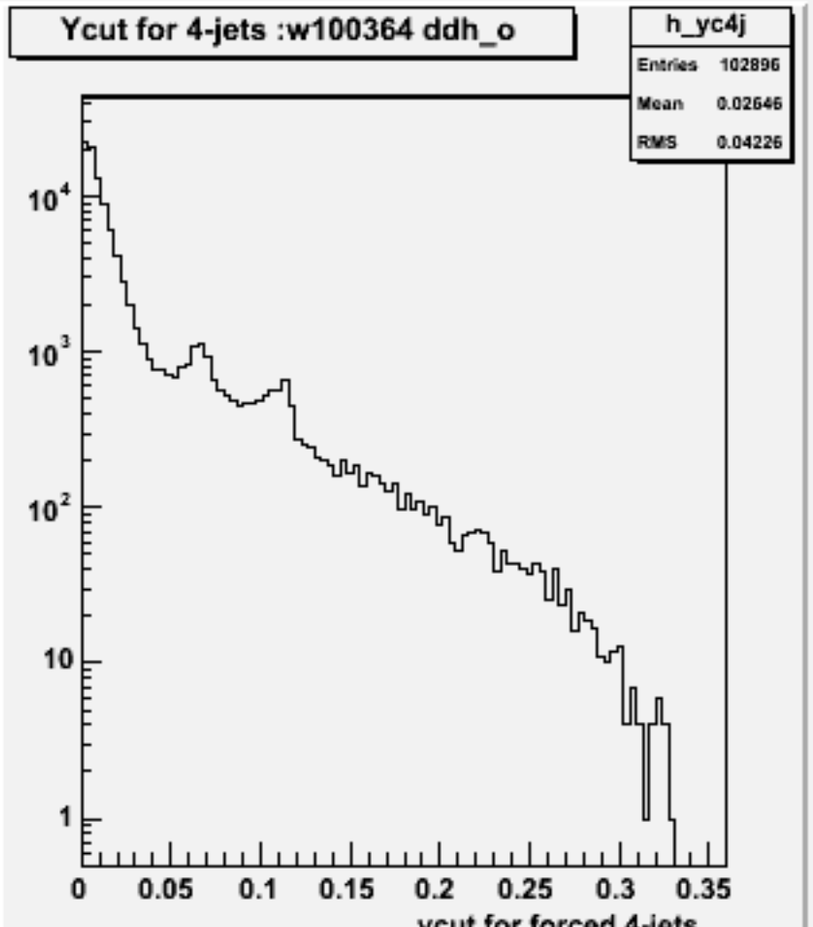

No. jets (ycut=0.001) : w100364 ddh_o
h_njets
Entries 103033
Mean 6.298
RMS 1.251
No. of jets

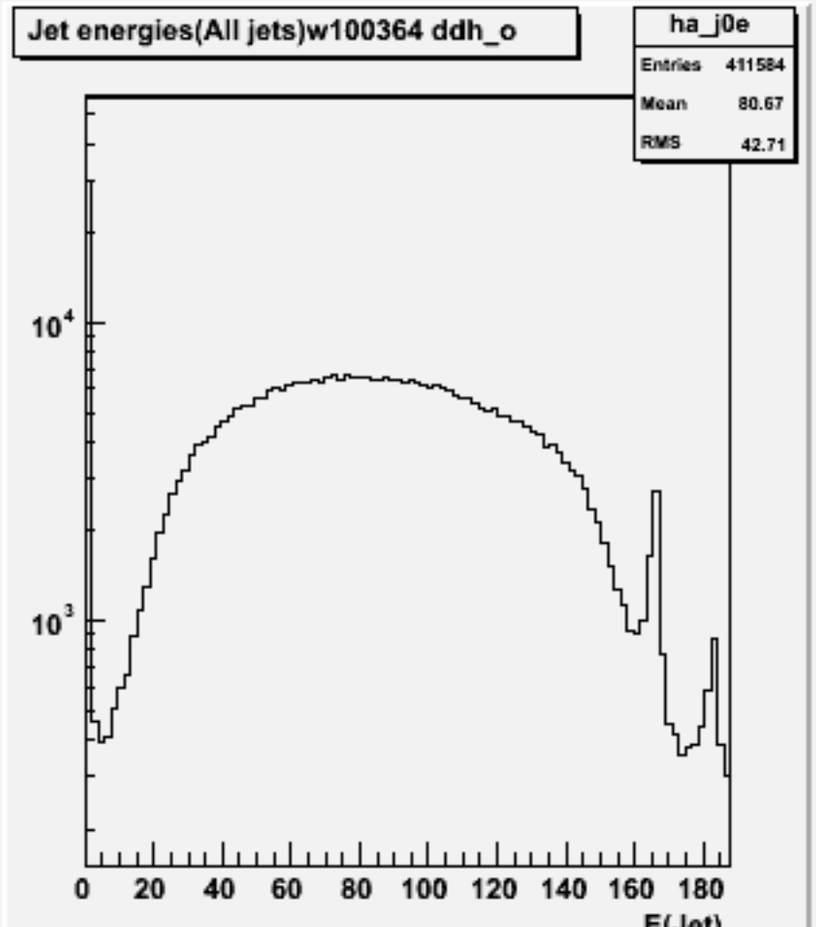

Ycut for 2-jets :w100364 ddh_o
h_yc2j
Entries 103033
Mean 0.2285
RMS 0.2599
ycut for forced 2-jets

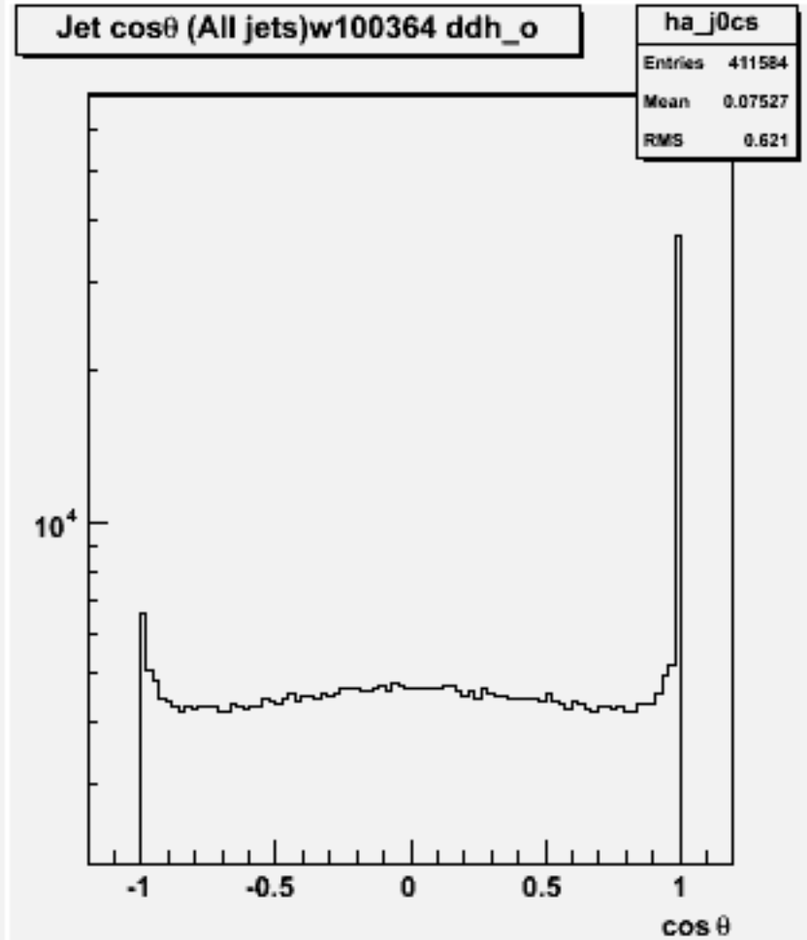

energy for 2-jets :w100364 ddh_o
h_j0e
Entries 206066
Mean 146.7
RMS 60.28
Jet energy (GeV)

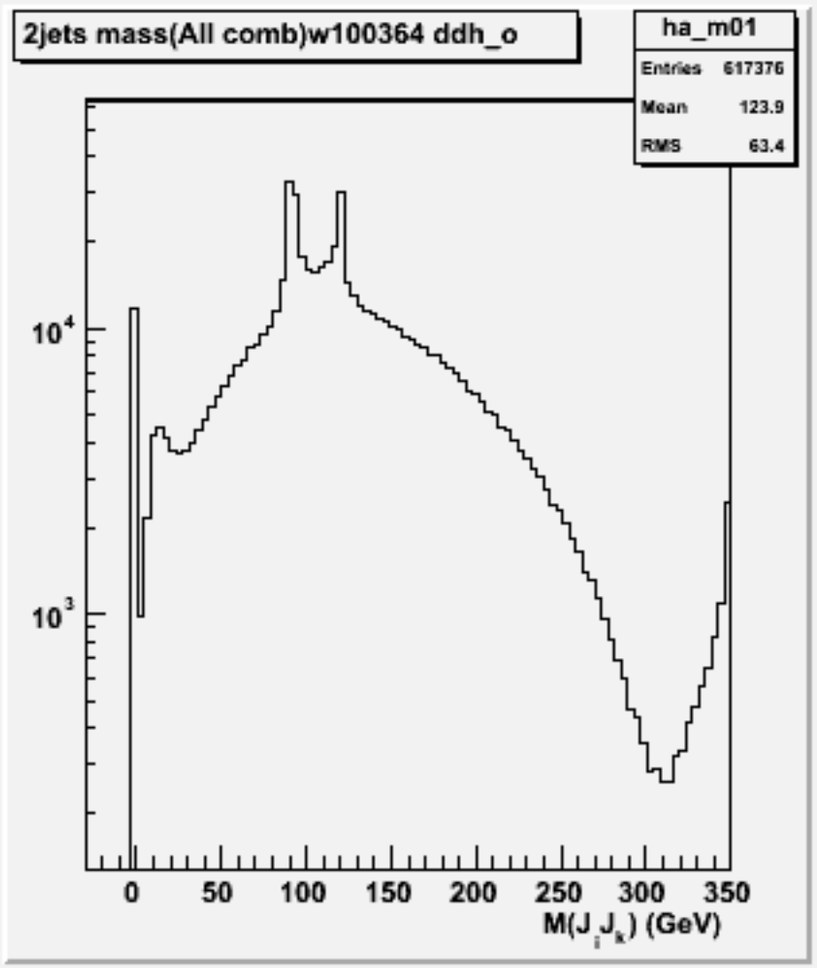

cosθ for 2-jets :w100364 ddh_o
h_j0cs
Entries 206066
Mean 0.08933
RMS 0.6543
cos θ(jet)

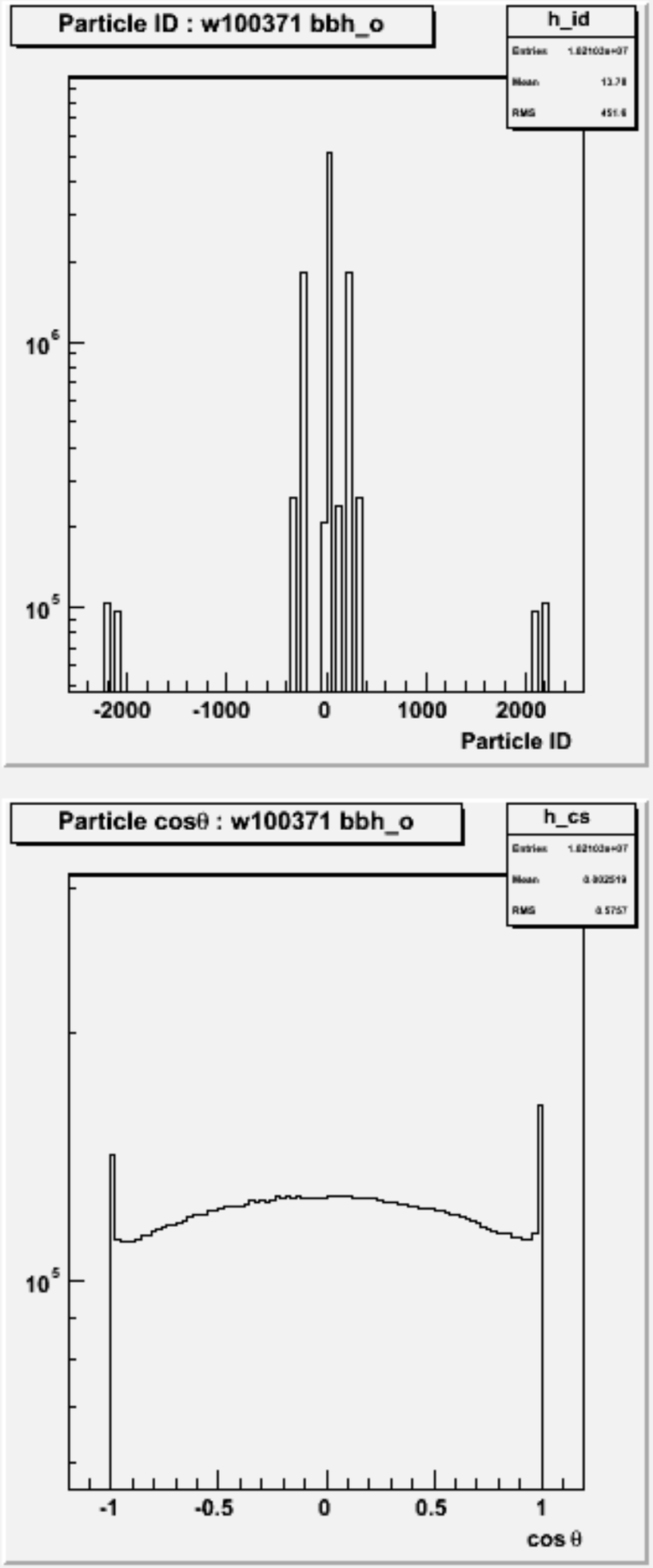

Jet mass for forced 2-jets : w100364 ddh_o
h_j0mj1m
Entries 103033
Mean x 128.1
Mean y 87.54
RMS x 109.5
RMS y 60.25
Mass(jet2)
Mass(jet1)

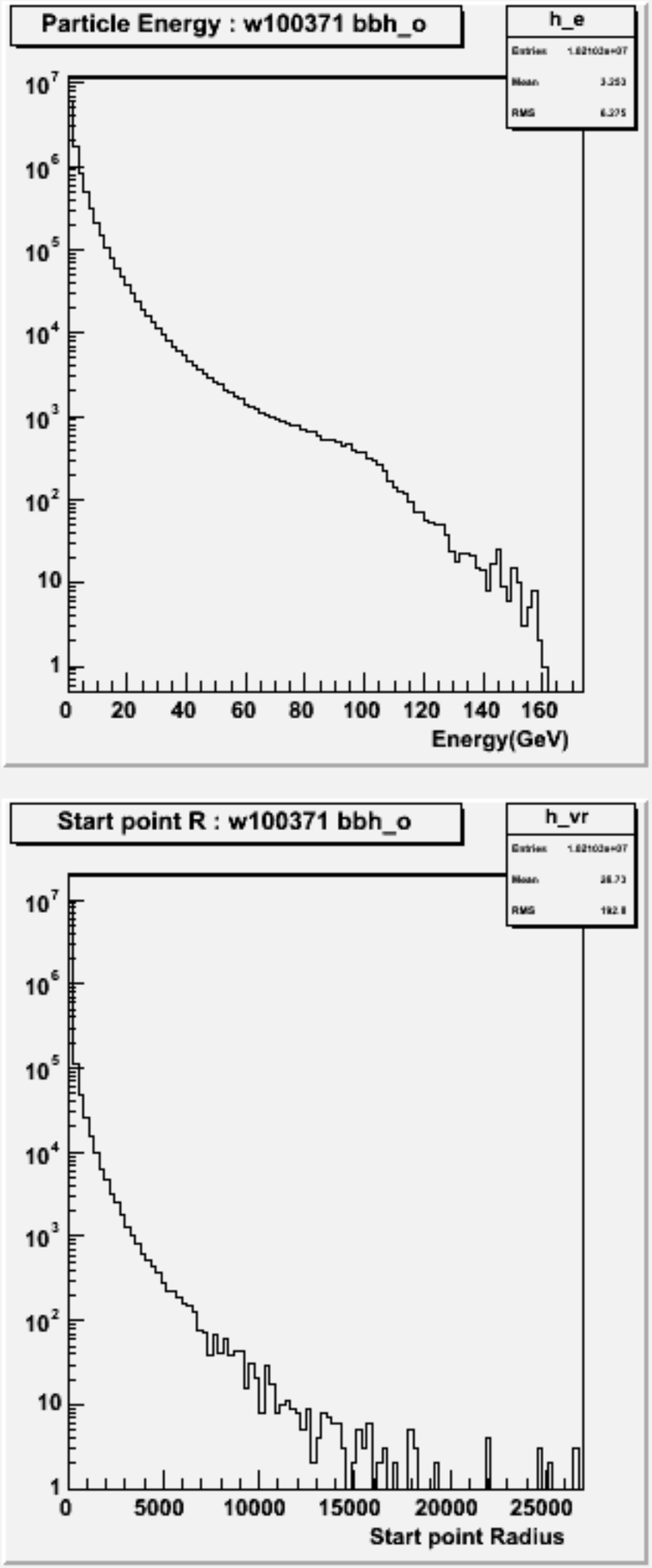

Ycut for 4-jets :w100364 ddh_o
h_yc4j
Entries 102896
Mean 0.02646
RMS 0.04226
ycut for forced 4-jets

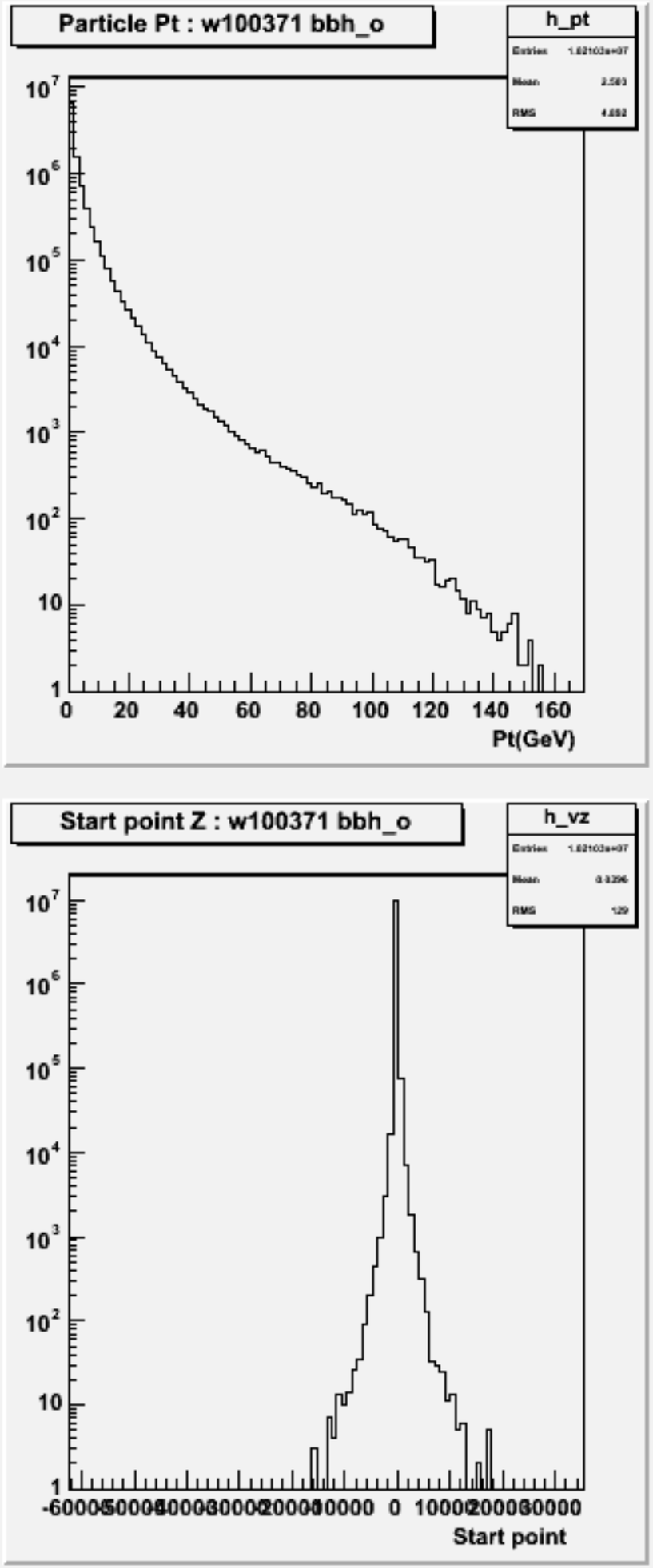

Jet energies(All jets)w100364 ddh_o
ha_j0e
Entries 411584
Mean 80.67
RMS 42.71
E(Jet)


Jet cosθ (All jets)w100364 ddh_o
ha_j0cs
Entries 411584
Mean 0.07527
RMS 0.621
cos θ


2jets mass(All comb)w100364 ddh_o
ha_m01
Entries 617376
Mean 123.9
RMS 63.4
M(J_iJ_k) (GeV)


Particle ID : w100371 bbh_o
h_id
Entries 1.62103e+07
Mean 13.78
RMS 451.6
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

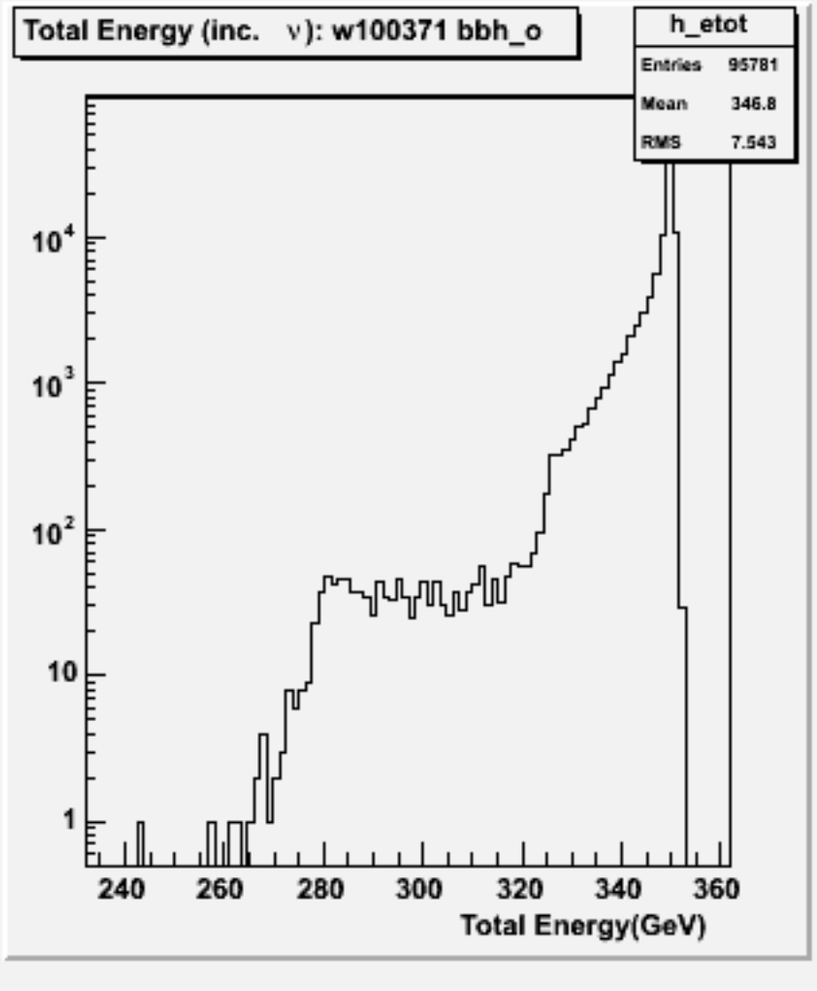

Particle Energy : w100371 bbh_o
h_e
Entries 1.62103e+07
Mean 3.253
RMS 6.375
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

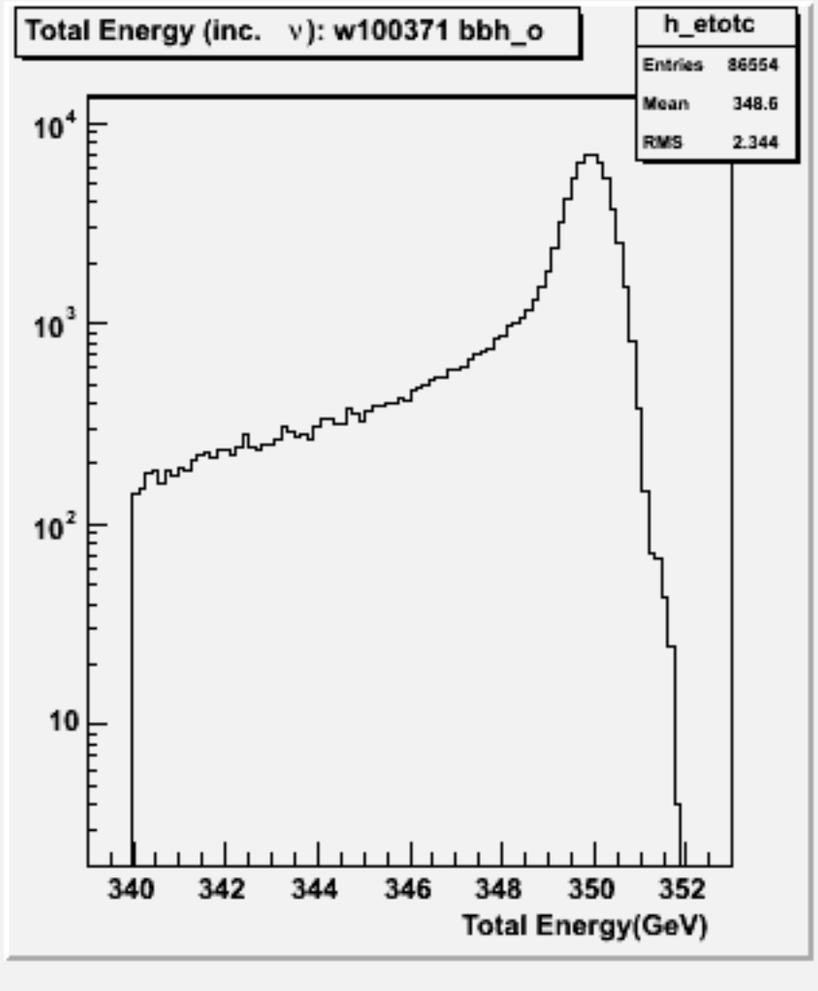

Particle Pt : w100371 bbh_o
h_pt
Entries 1.62103e+07
Mean 2.583
RMS 4.692
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

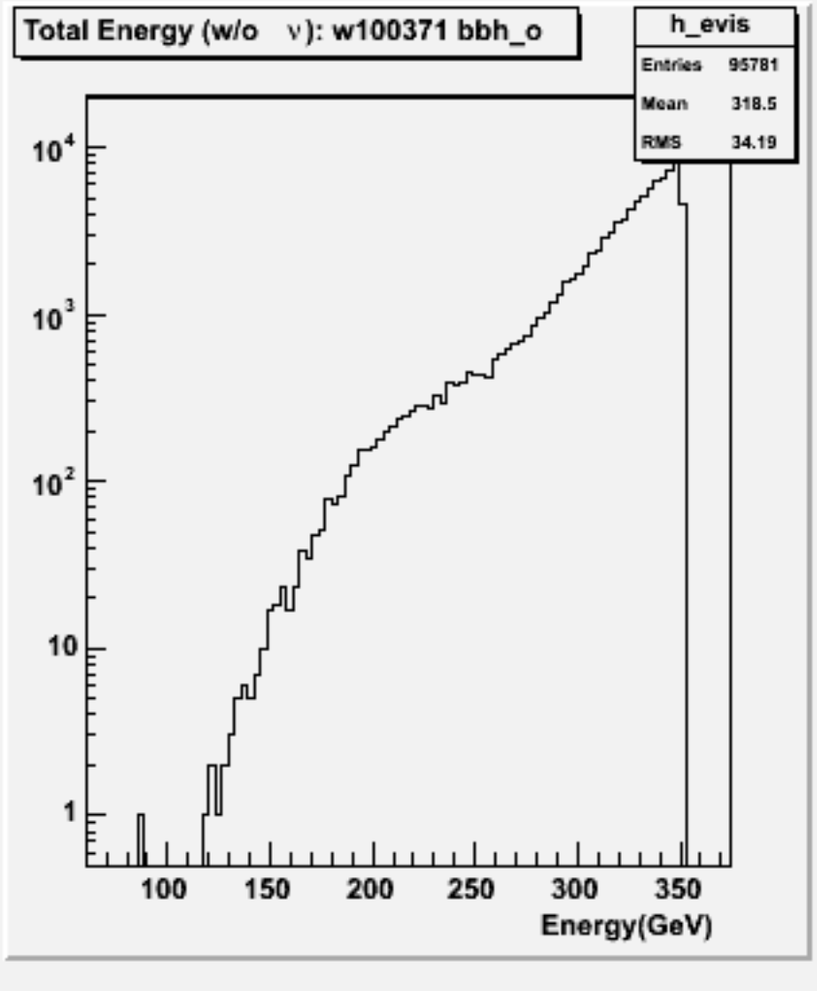
Particle cosθ : w100371 bbh_o
h_cs
Entries 1.62103e+07
Mean 0.002519
RMS 0.5757
10^5
-1
-0.5
0
0.5
1
cos θ

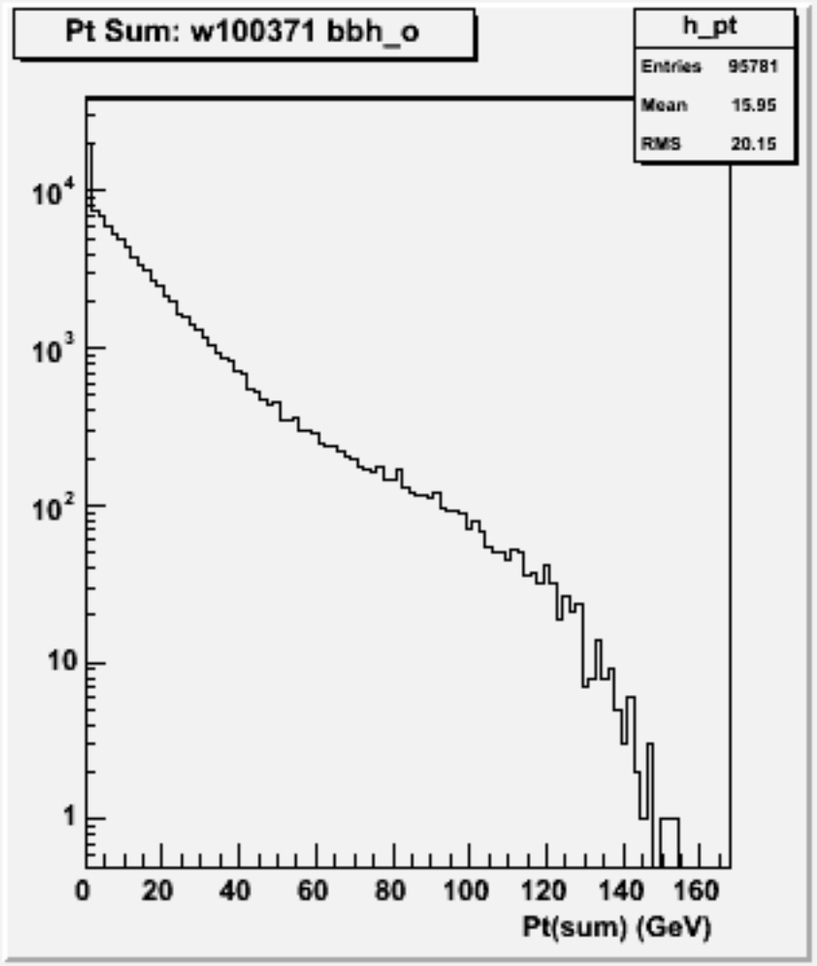
Start point R : w100371 bbh_o
h_vr
Entries 1.62103e+07
Mean 38.73
RMS 192.8
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

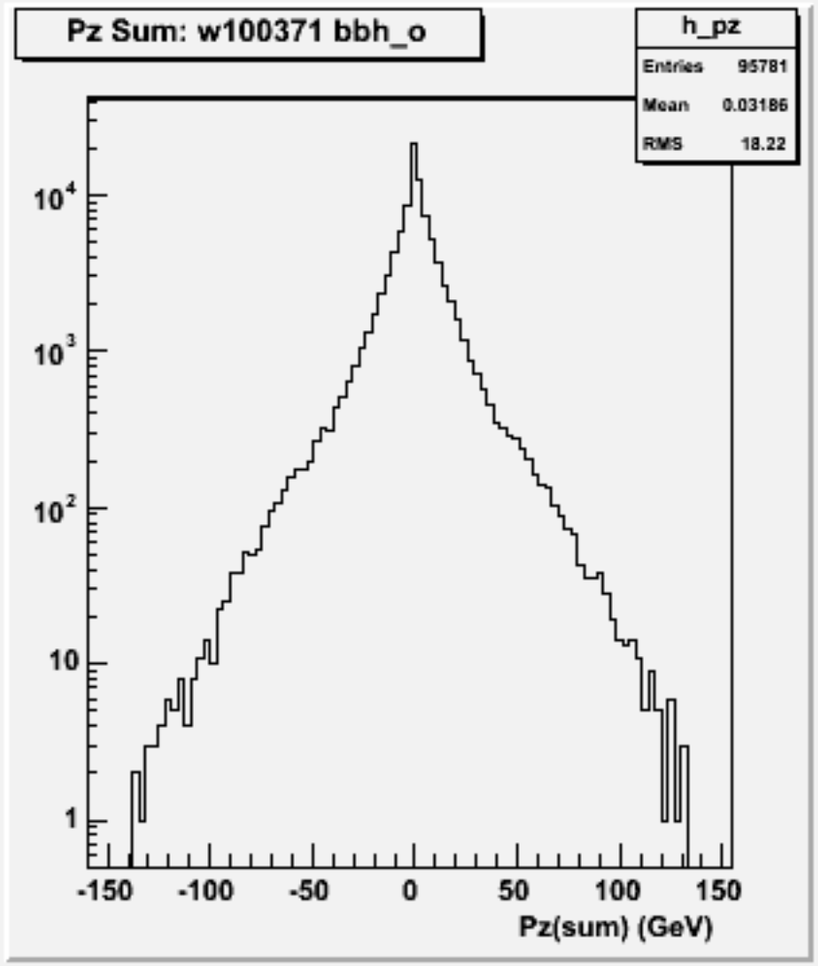
Start point Z : w100371 bbh_o
h_vz
Entries 1.62103e+07
Mean 0.3296
RMS 129
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
Start point

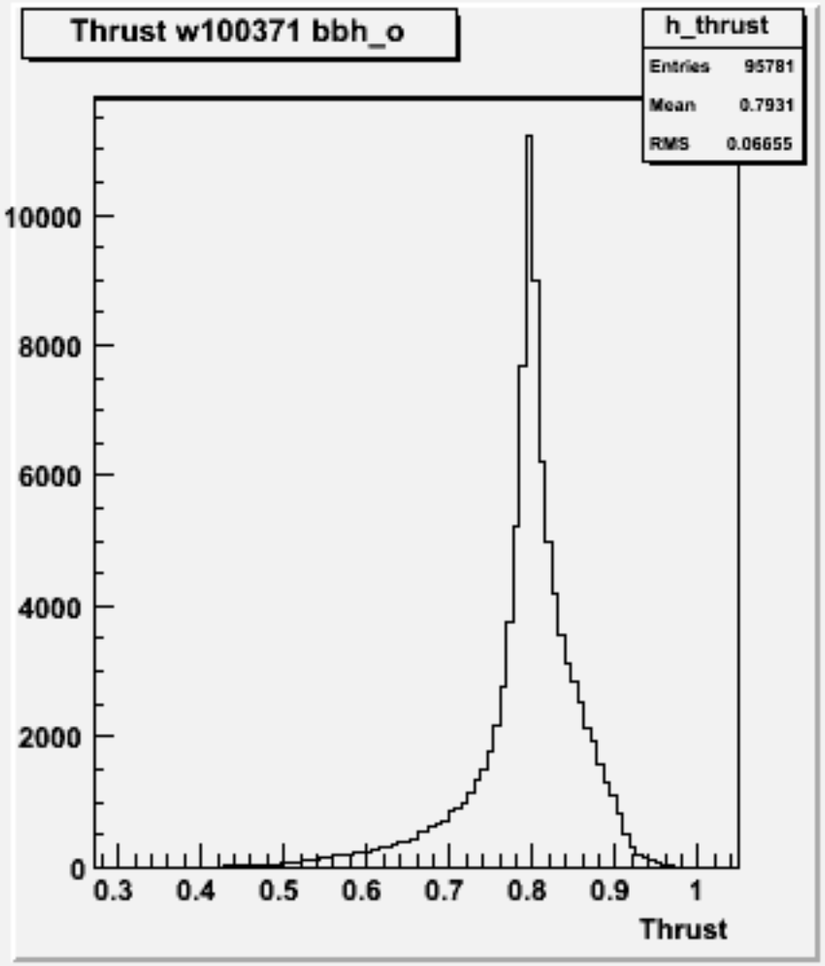

Total Energy (inc. ν): w100371 bbh_o
h_etot
Entries 95781
Mean 346.8
RMS 7.543
Total Energy(GeV)

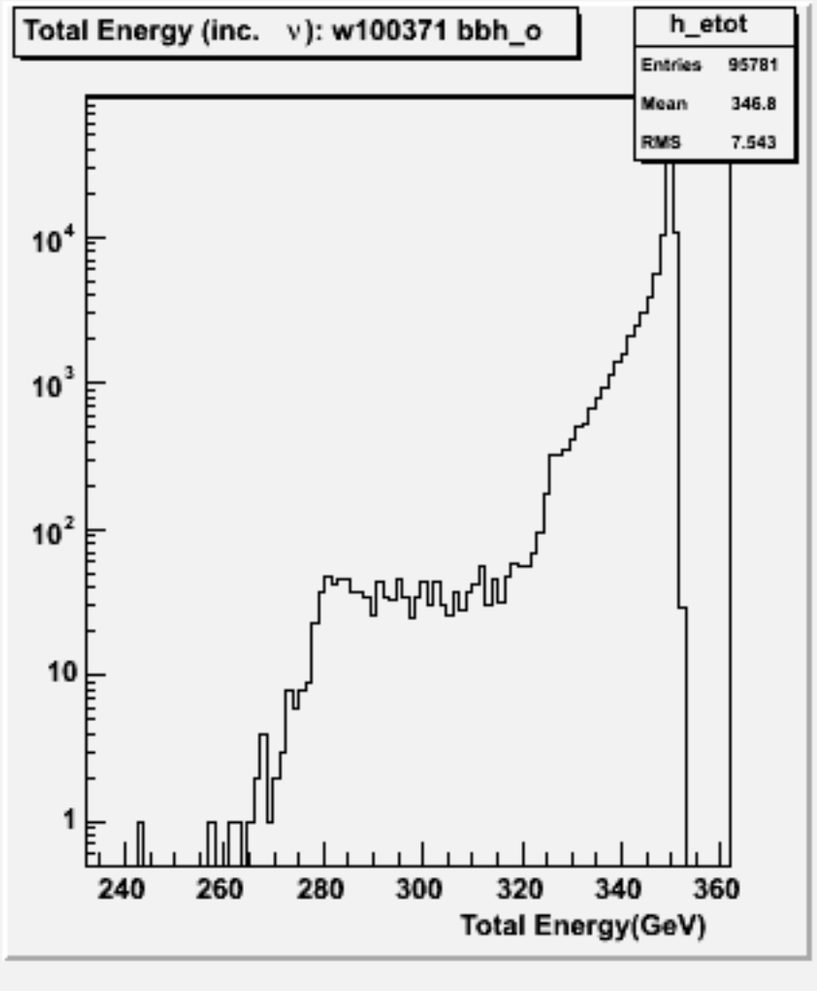

Total Energy (inc. ν): w100371 bbh_o
h_etotc
Entries 86554
Mean 348.6
RMS 2.344
Total Energy(GeV)

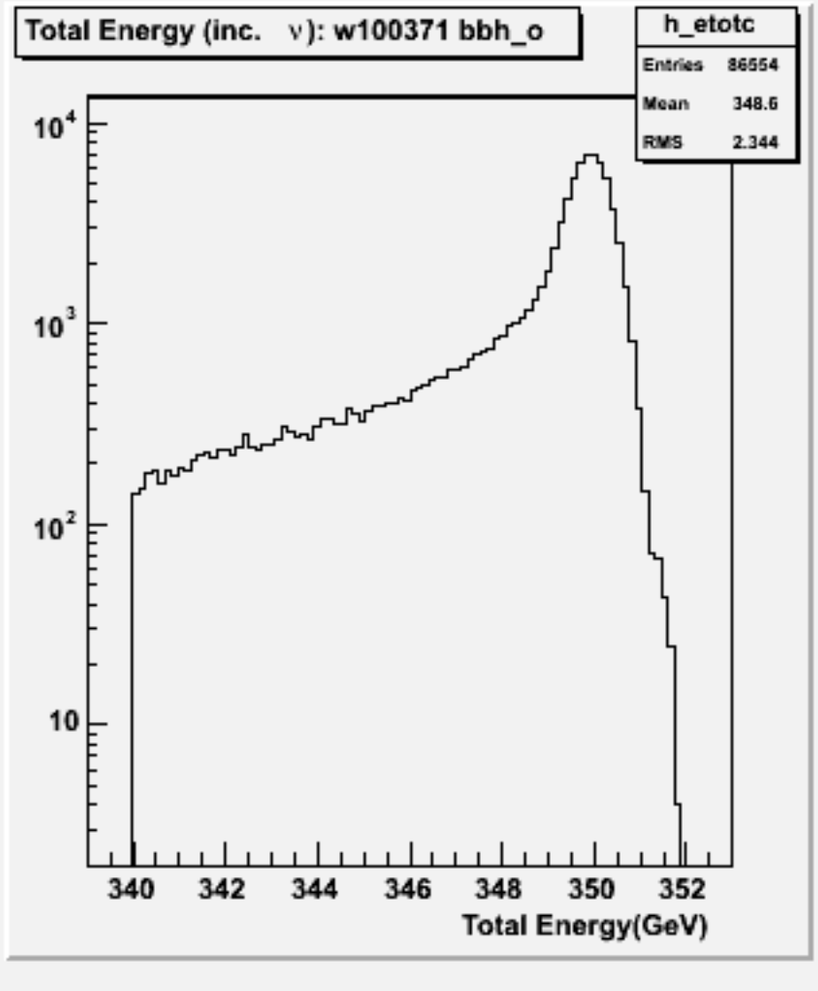

Total Energy (w/o ν): w100371 bbh_o
h_evis
Entries 95781
Mean 318.5
RMS 34.19
Energy(GeV)

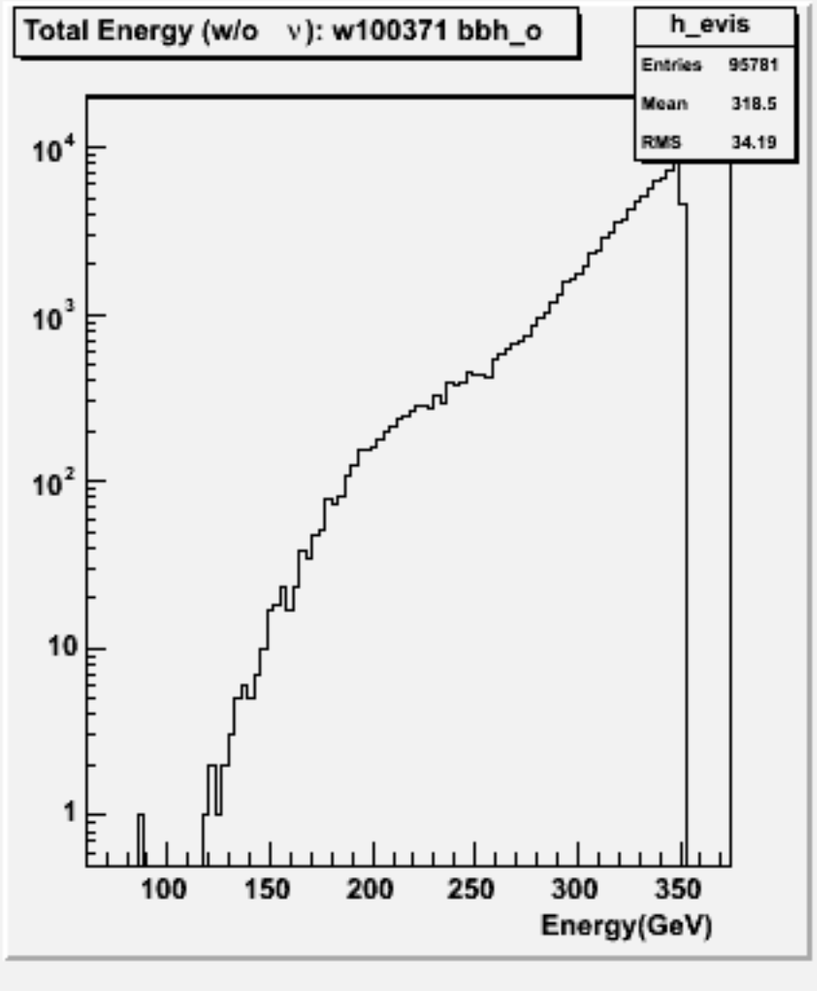

Pt Sum: w100371 bbh_o
h_pt
Entries 95781
Mean 15.95
RMS 20.15
Pt(sum) (GeV)

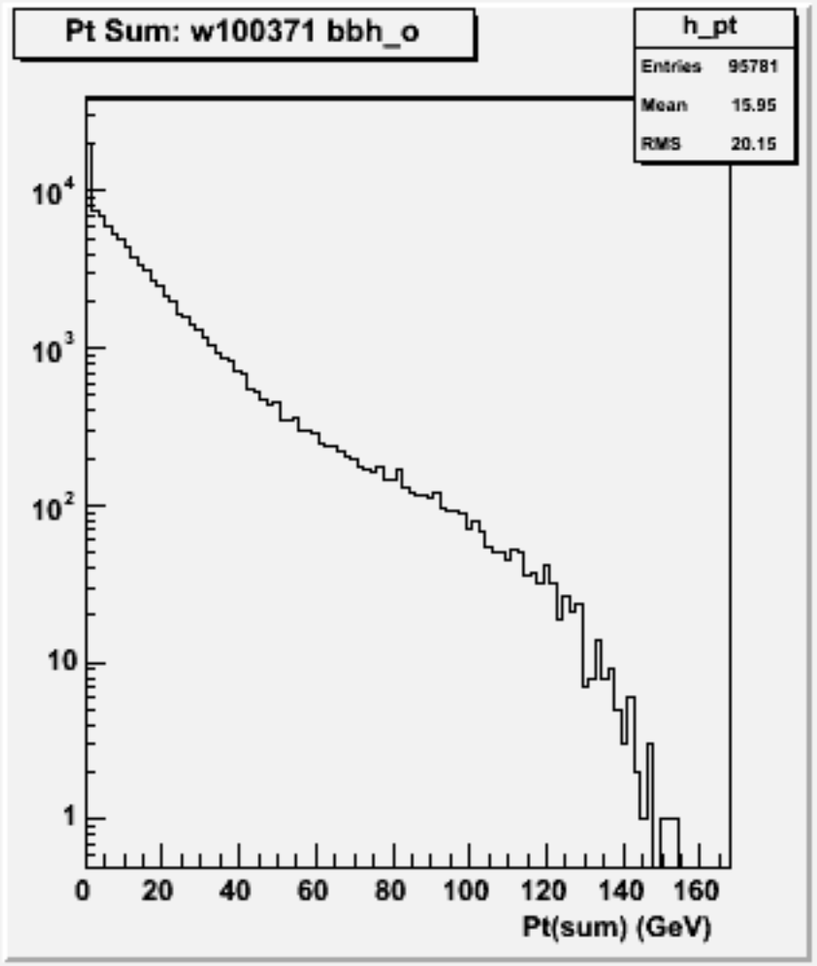

Pz Sum: w100371 bbh_o
h_pz
Entries 95781
Mean 0.03186
RMS 18.22
Pz(sum) (GeV)

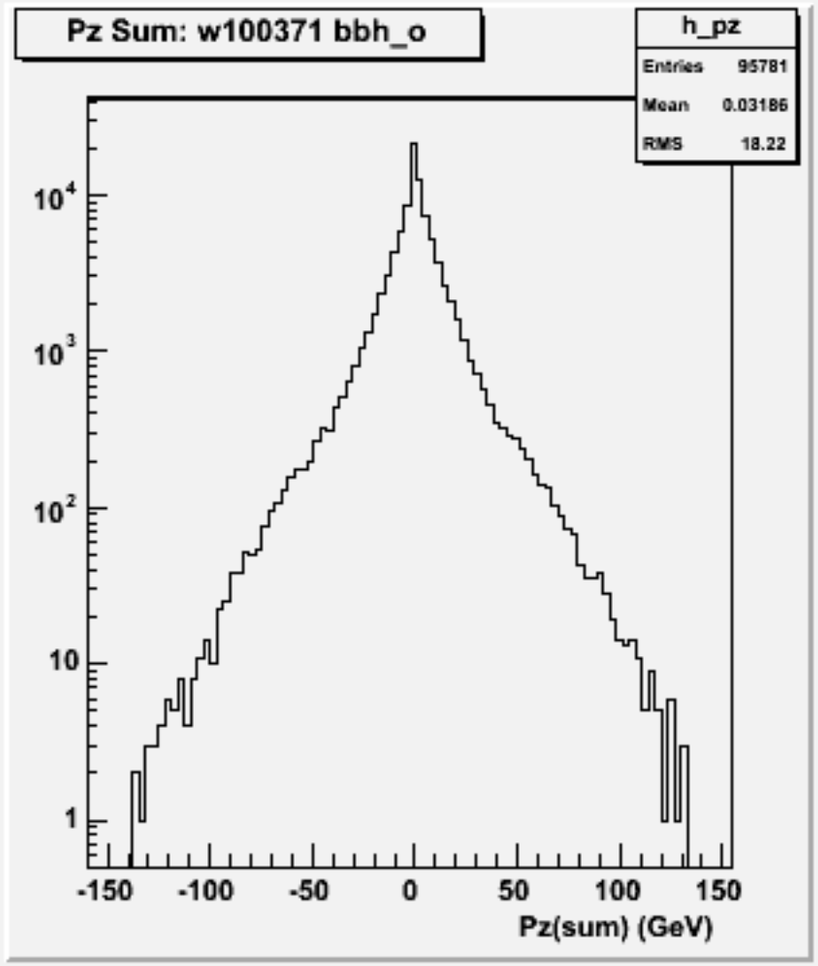

Thrust w100371 bbh_o
h_thrust
Entries 95781
Mean 0.7931
RMS 0.06655
Thrust

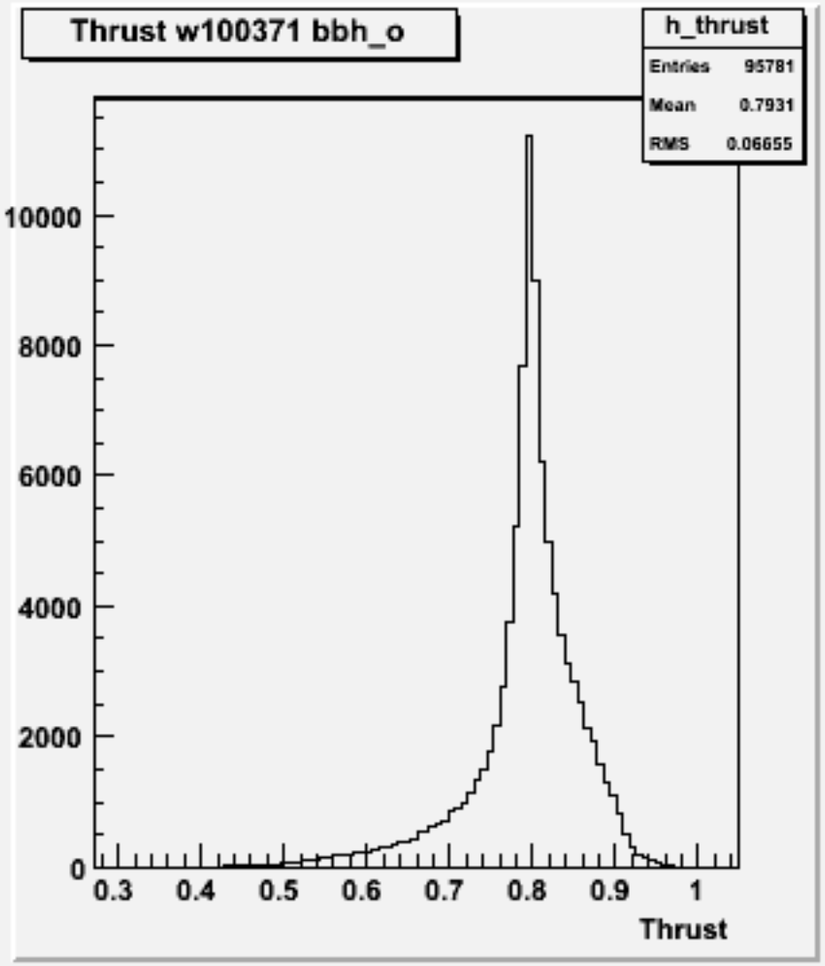

Total Energy (inc. ν): w100371 bbh_o
h_etot
Entries 95781
Mean 346.8
RMS 7.543
Total Energy(GeV)

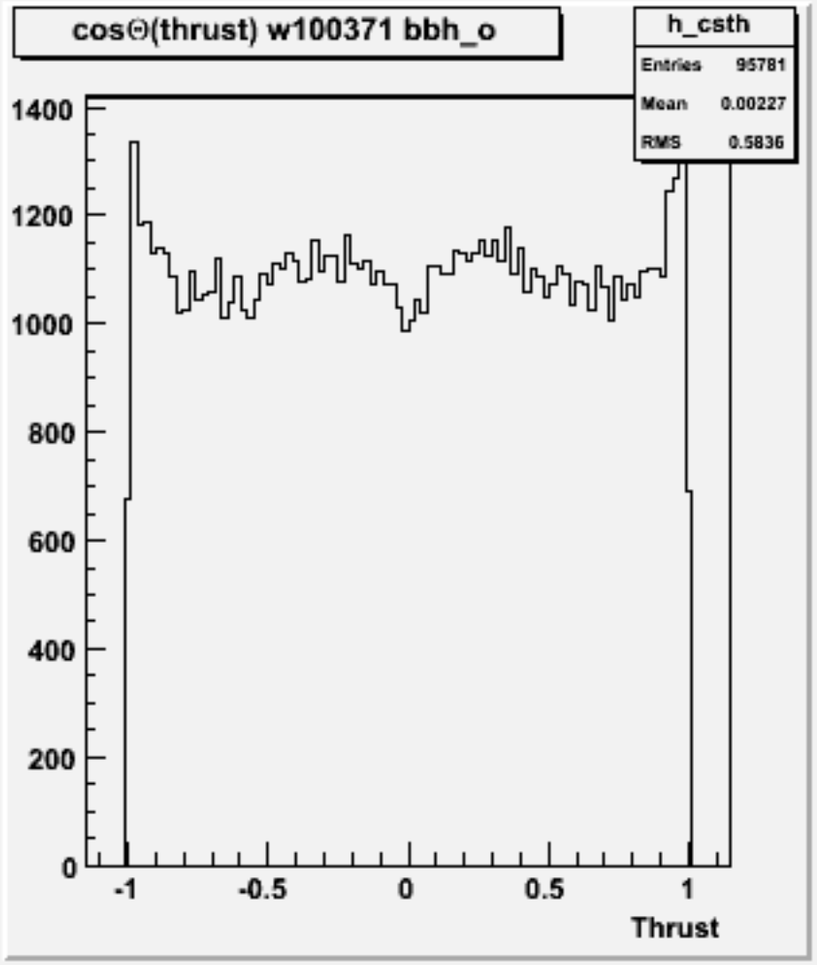

Total Energy (inc. ν): w100371 bbh_o
h_etotc
Entries 86554
Mean 348.6
RMS 2.344
Total Energy(GeV)

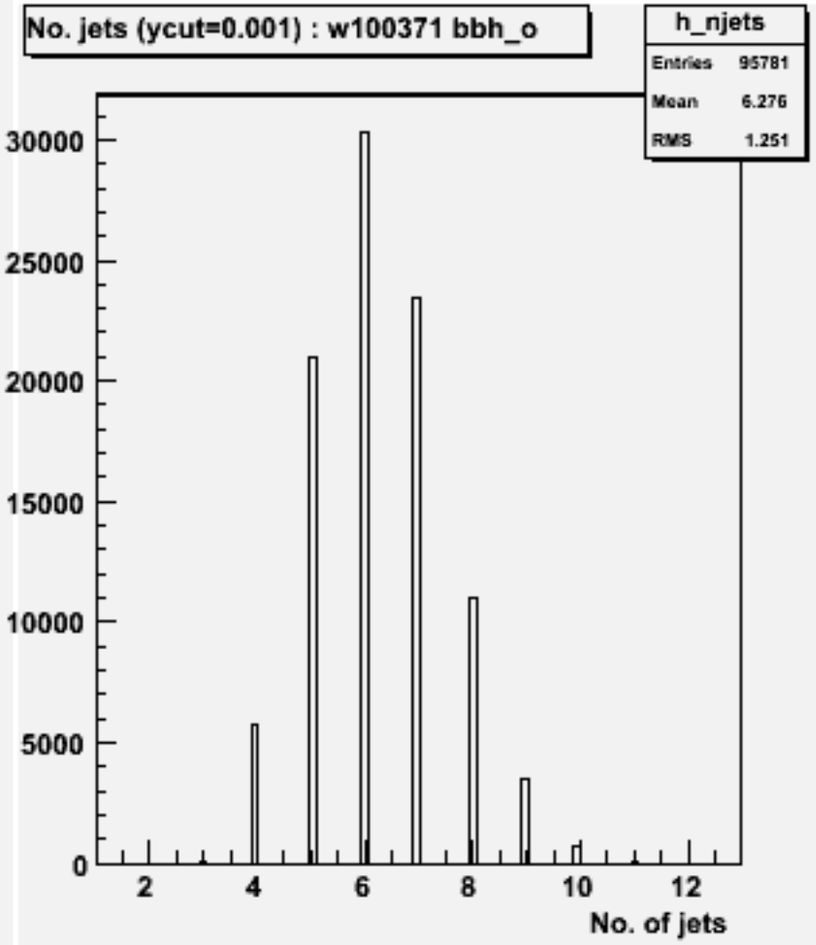

Total Energy (w/o ν): w100371 bbh_o
h_evis
Entries 95781
Mean 318.5
RMS 34.19
Energy(GeV)

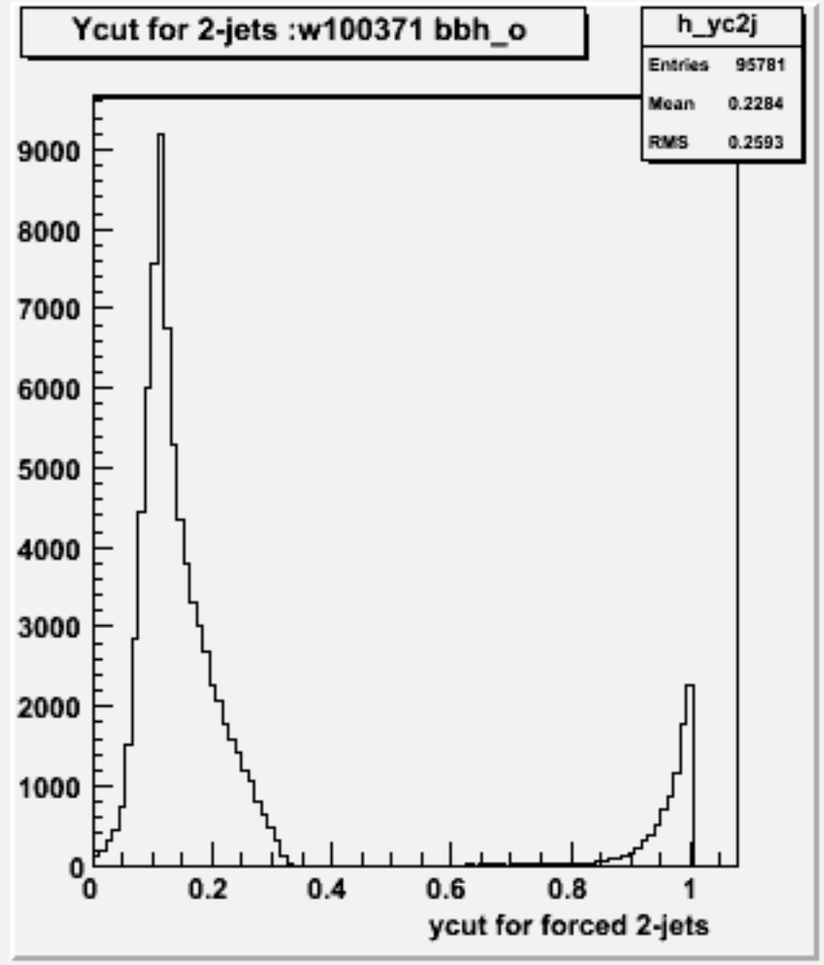

Pt Sum: w100371 bbh_o
h_pt
Entries 95781
Mean 15.95
RMS 20.15
Pt(sum) (GeV)

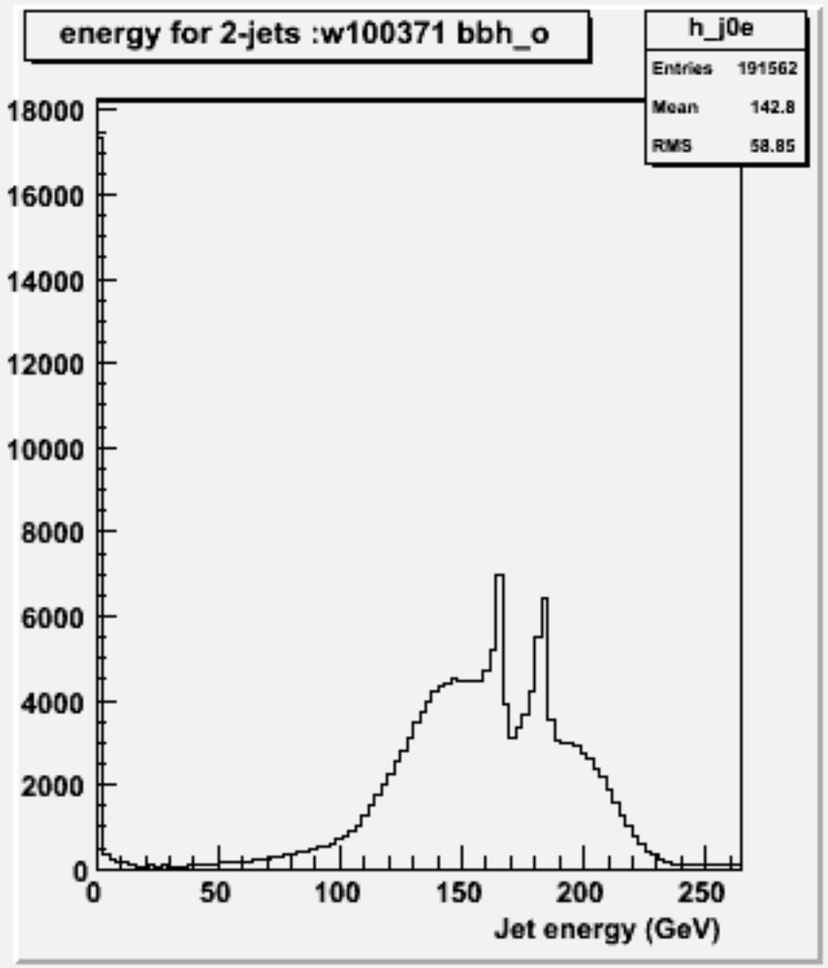

Pz Sum: w100371 bbh_o
h_pz
Entries 95781
Mean 0.03186
RMS 18.22
Pz(sum) (GeV)

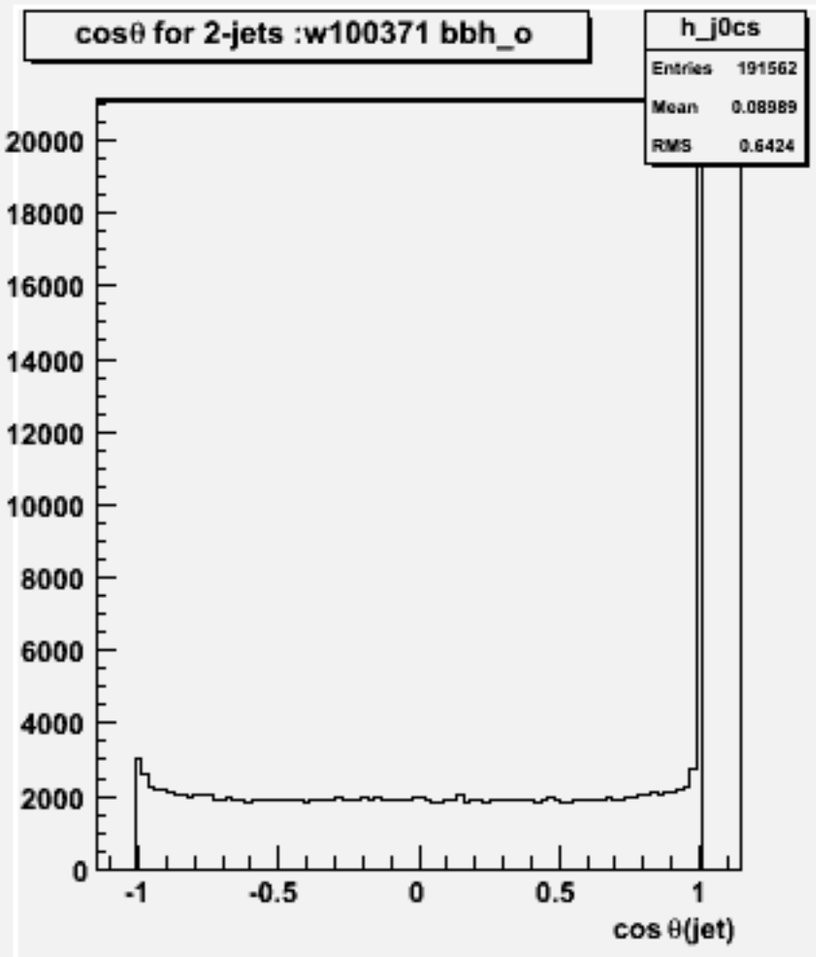

Thrust w100371 bbh_o
h_thrust
Entries 95781
Mean 0.7931
RMS 0.06655
Thrust

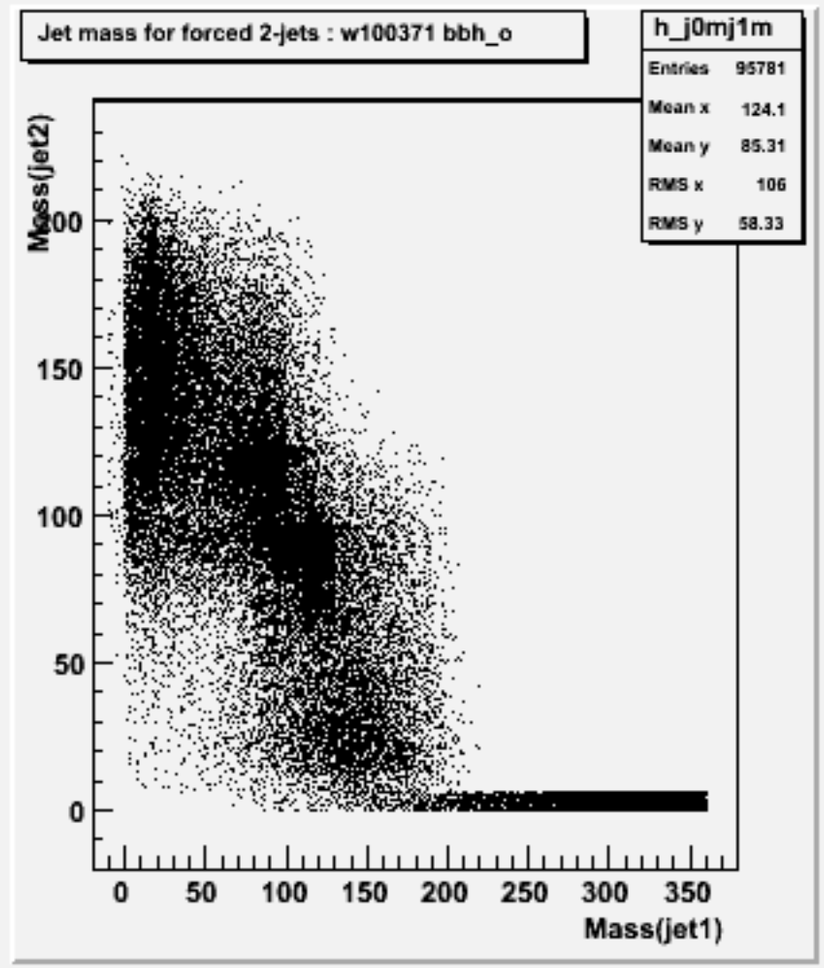

cosΘ(thrust) w100371 bbh_o
h_csth
Entries 95781
Mean 0.00227
RMS 0.5836
Thrust

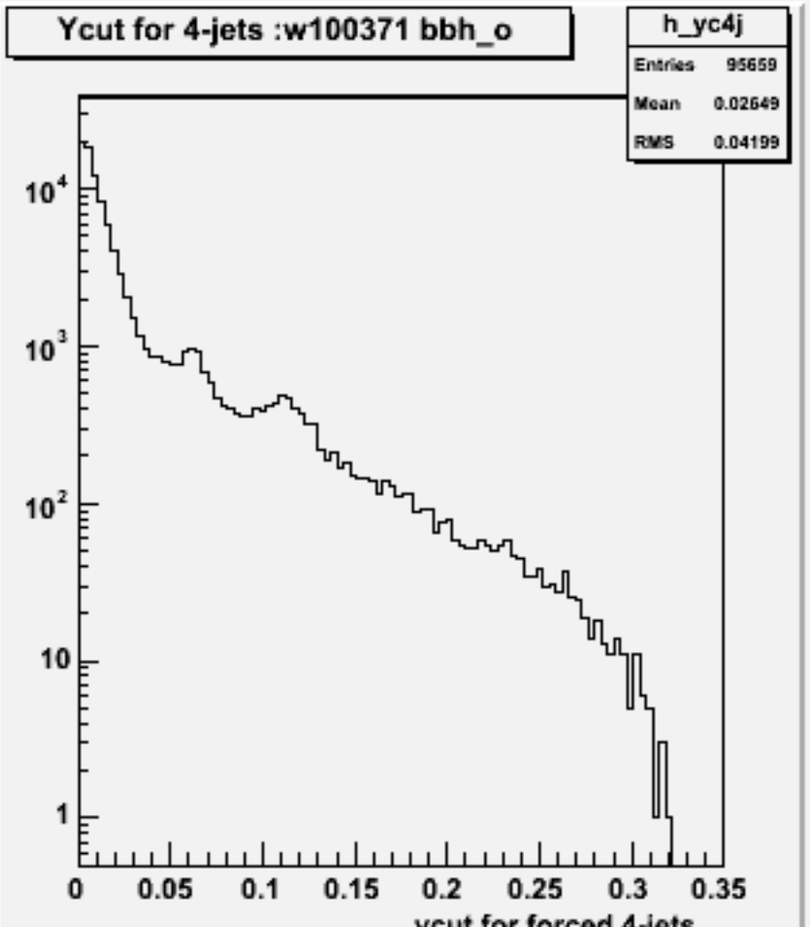

No. jets (ycut=0.001) : w100371 bbh_o
h_njets
Entries 95781
Mean 6.276
RMS 1.251
No. of jets

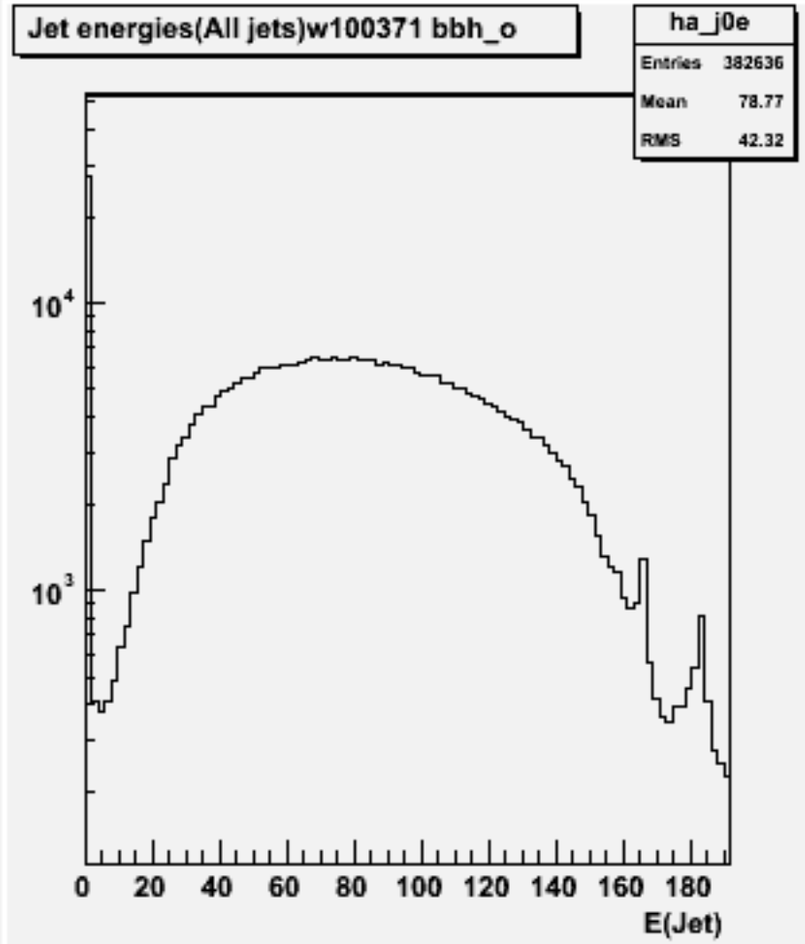

Ycut for 2-jets :w100371 bbh_o
h_yc2j
Entries 95781
Mean 0.2284
RMS 0.2593
ycut for forced 2-jets

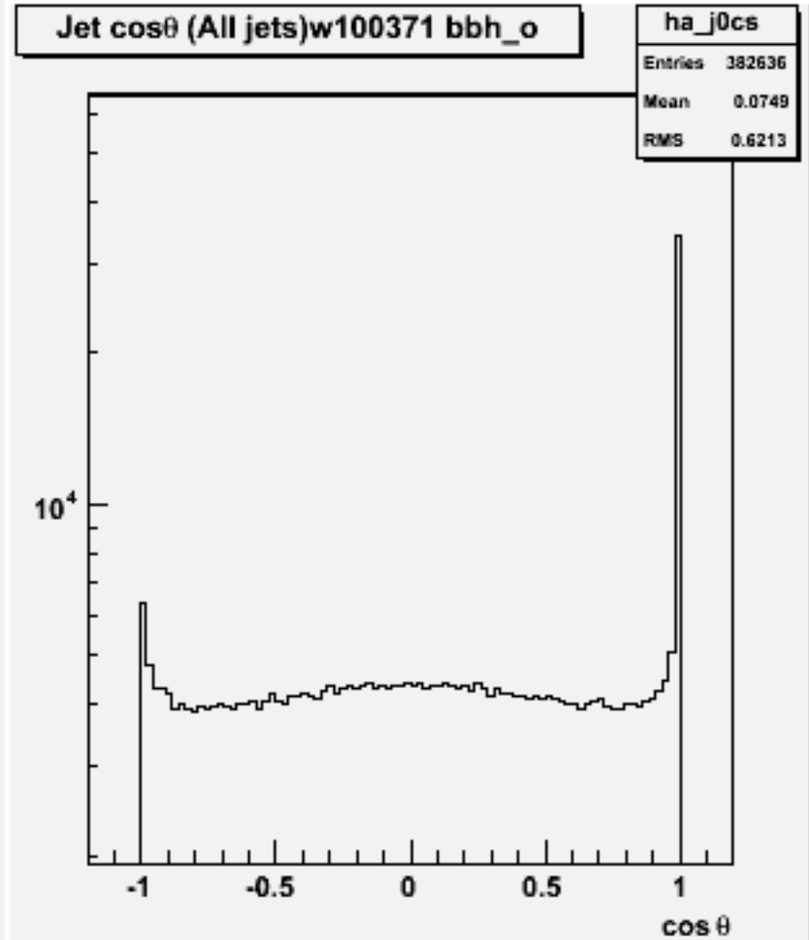

energy for 2-jets :w100371 bbh_o
h_j0e
Entries 191562
Mean 142.8
RMS 58.85
Jet energy (GeV)

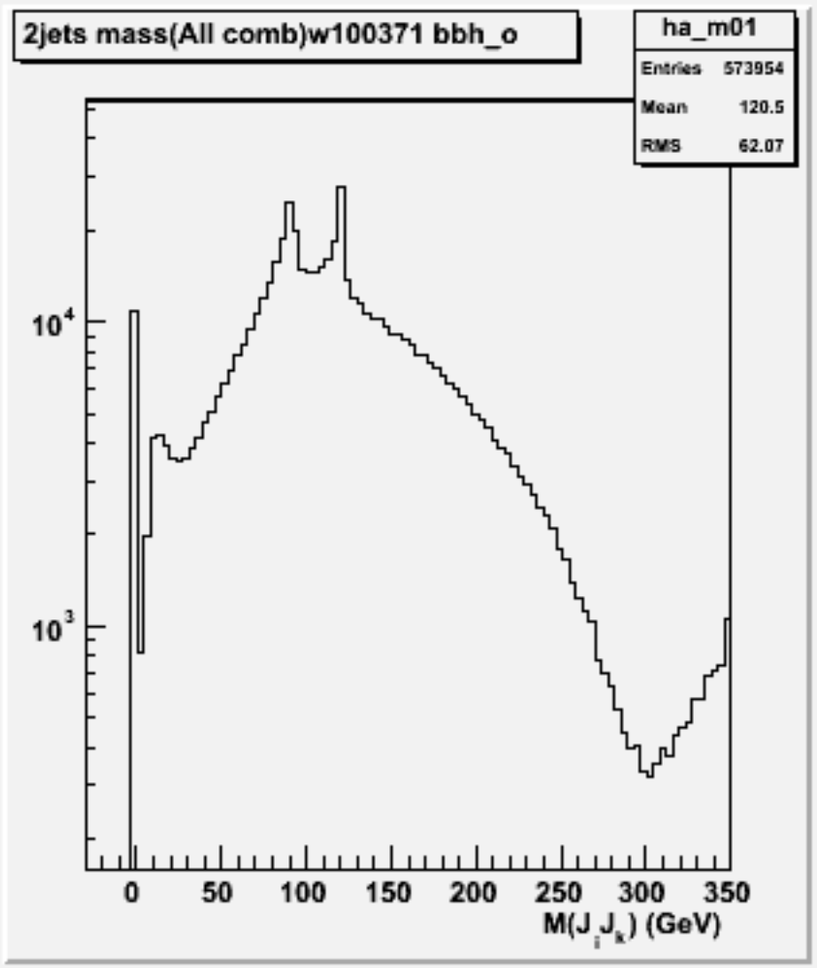

cosθ for 2-jets :w100371 bbh_o
h_j0cs
Entries 191562
Mean 0.08989
RMS 0.6424
cos θ(jet)

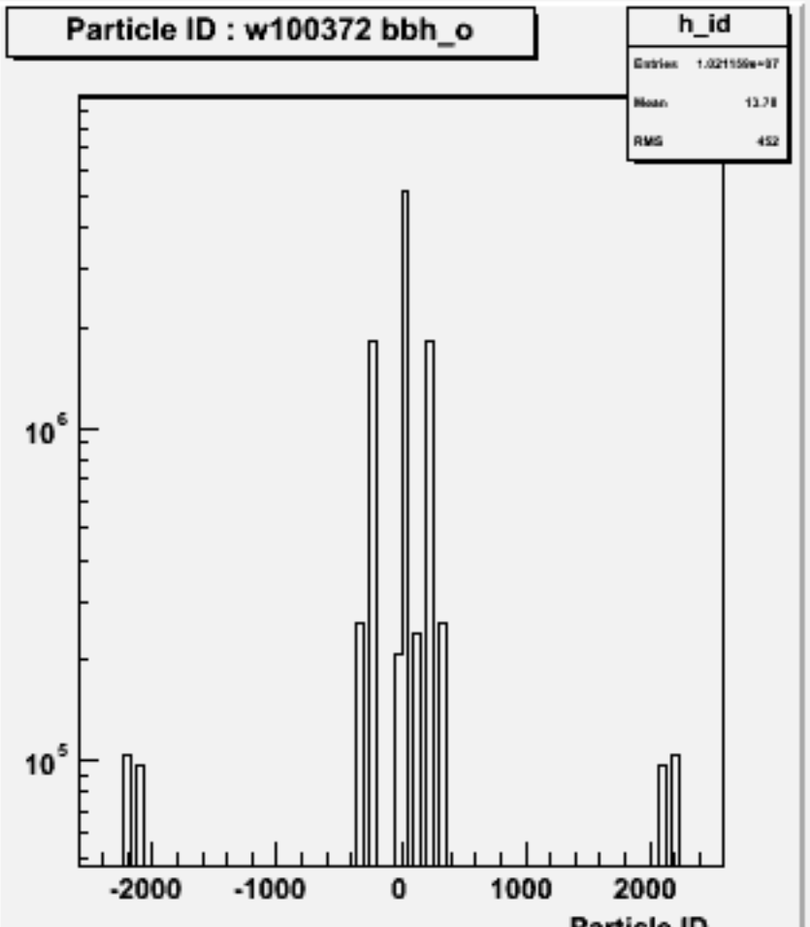

Jet mass for forced 2-jets : w100371 bbh_o
h_j0mj1m
Entries 95781
Mean x 124.1
Mean y 85.31
RMS x 106
RMS y 58.33
Mass(jet2)
Mass(jet1)

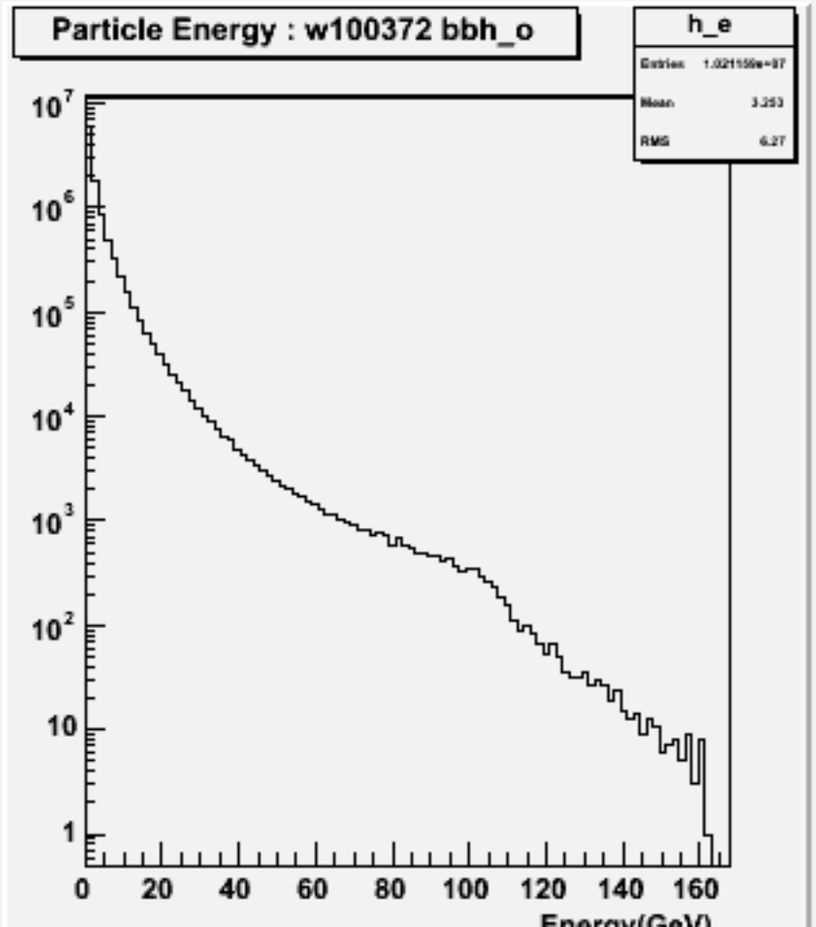

Ycut for 4-jets :w100371 bbh_o
h_yc4j
Entries 95659
Mean 0.02649
RMS 0.04199
ycut for forced 4-jets

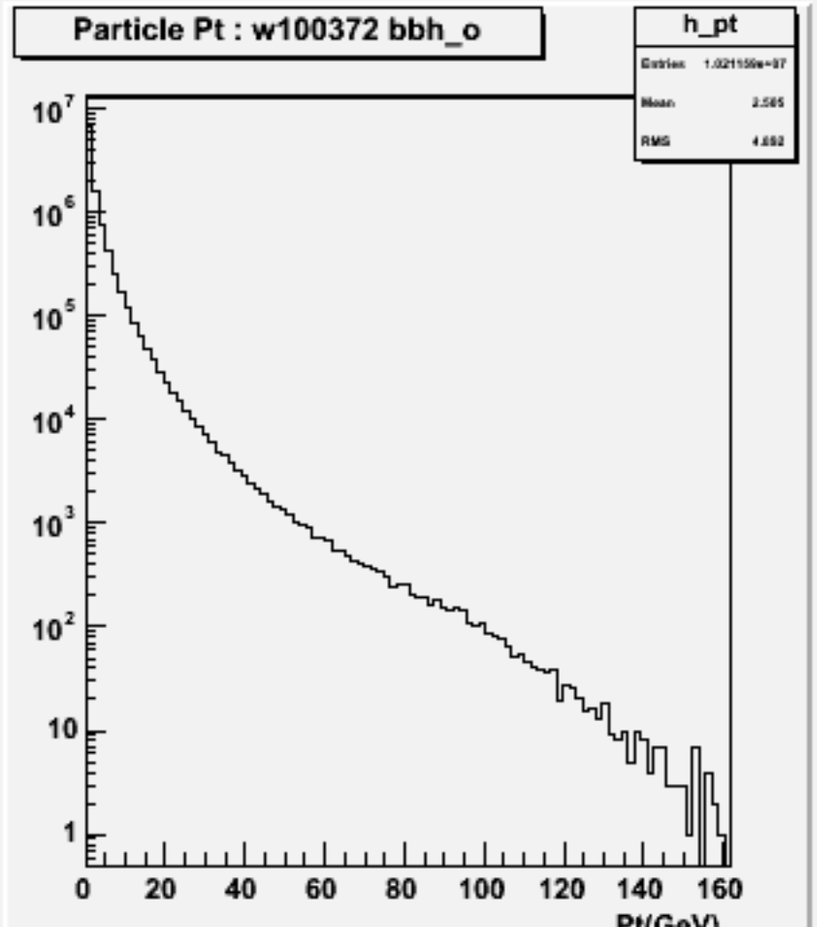

Jet energies(All jets)w100371 bbh_o
ha_j0e
Entries 382636
Mean 78.77
RMS 42.32
E(Jet)

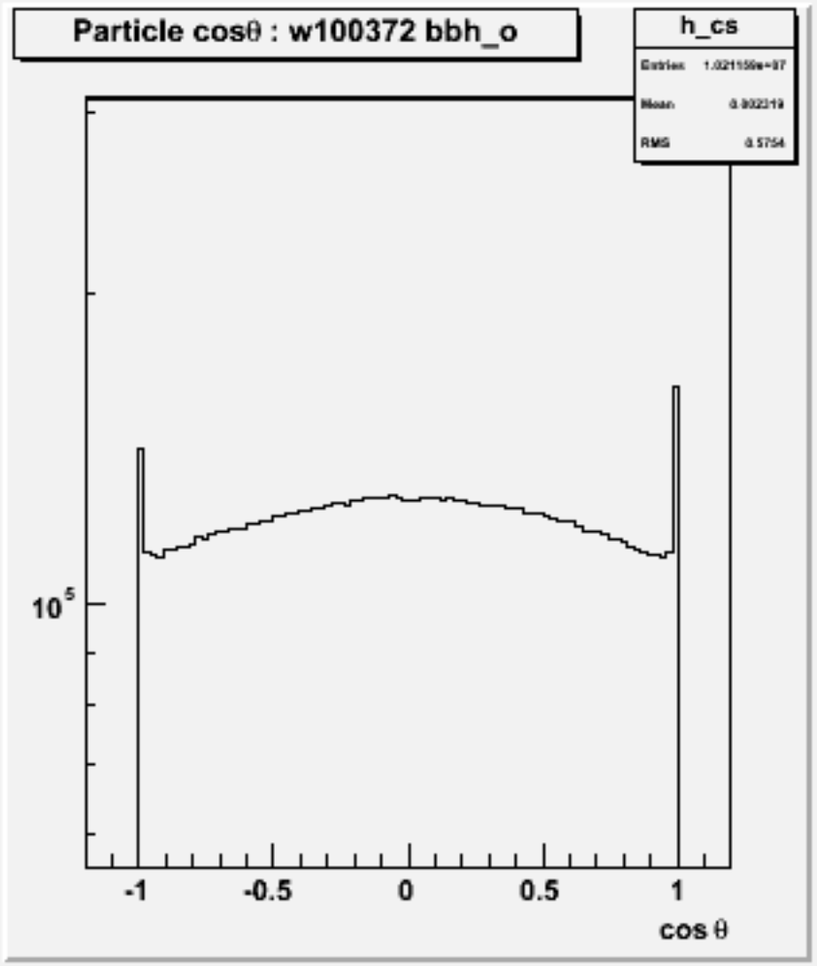

Jet cosθ (All jets)w100371 bbh_o
ha_j0cs
Entries 382636
Mean 0.0749
RMS 0.6213
cos θ

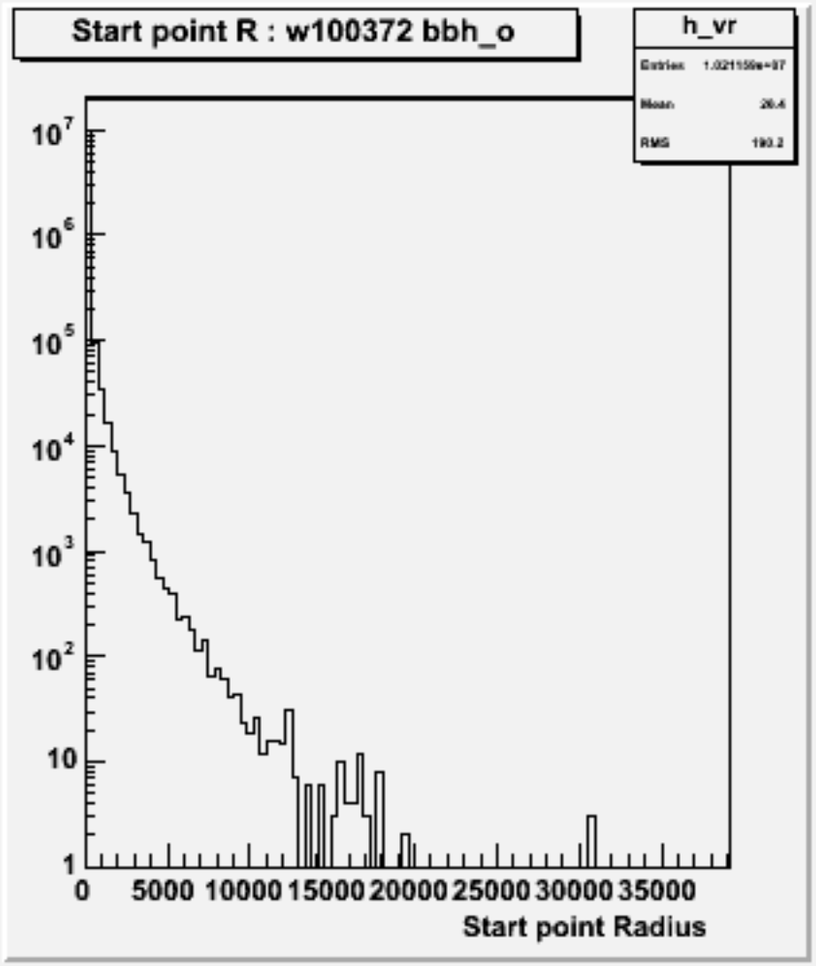

2jets mass(All comb)w100371 bbh_o
ha_m01
Entries 573954
Mean 120.5
RMS 62.07
M(J_iJ_k) (GeV)

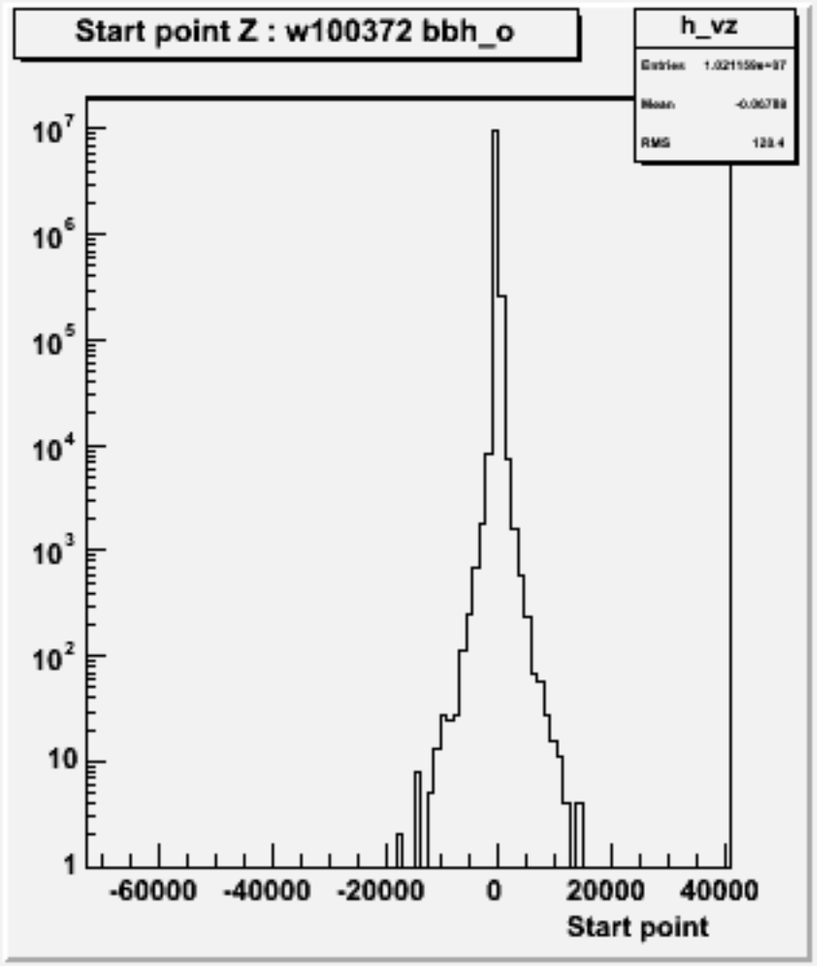

Particle ID : w100372 bbh_o
h_id
Entries 1.021159e+07
Mean 13.78
RMS 452
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

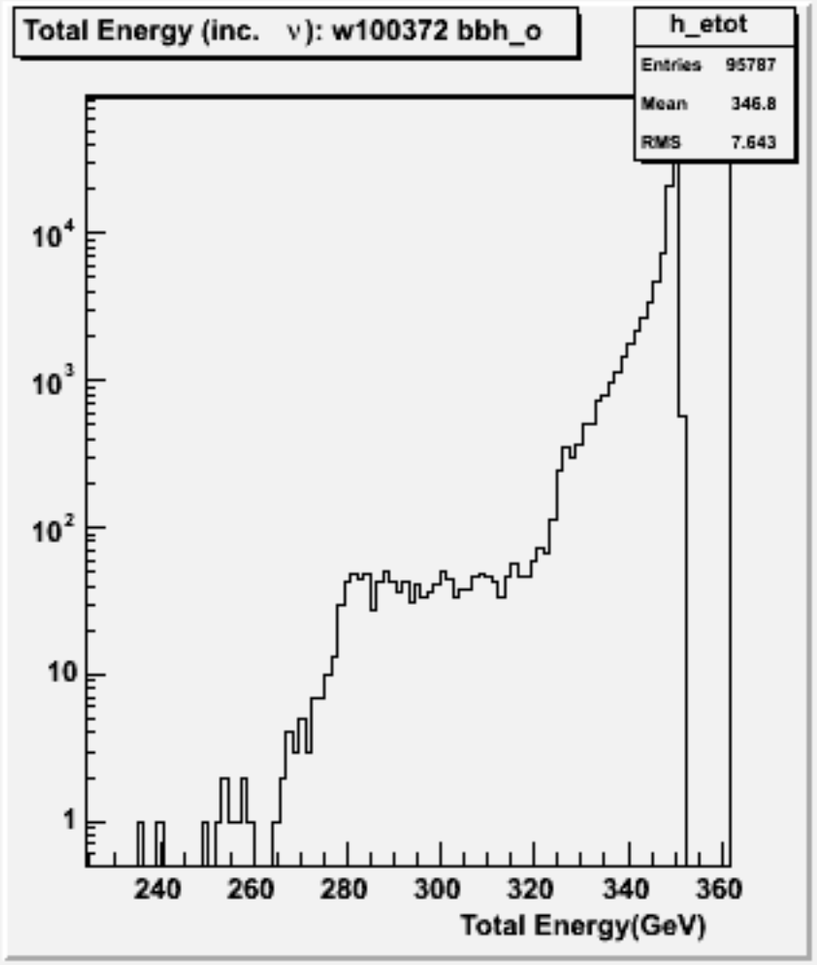

Particle Energy : w100372 bbh_o
h_e
Entries 1.021159e+07
Mean 3.253
RMS 6.27
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

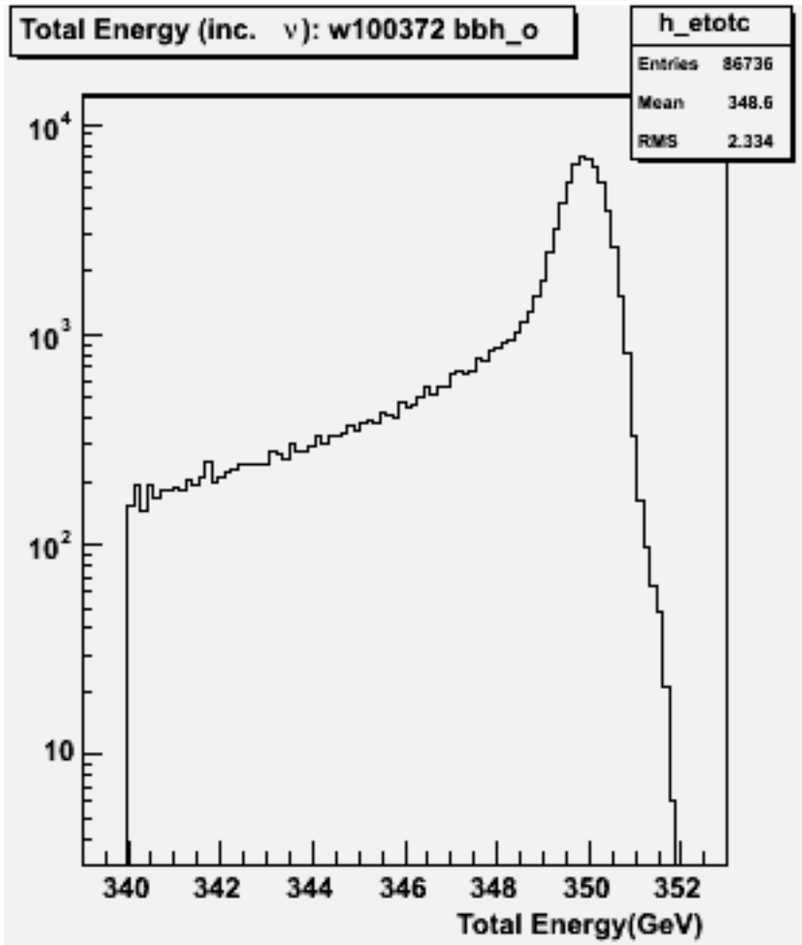

Particle Pt : w100372 bbh_o
h_pt
Entries 1.021159e+07
Mean 2.585
RMS 4.692
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

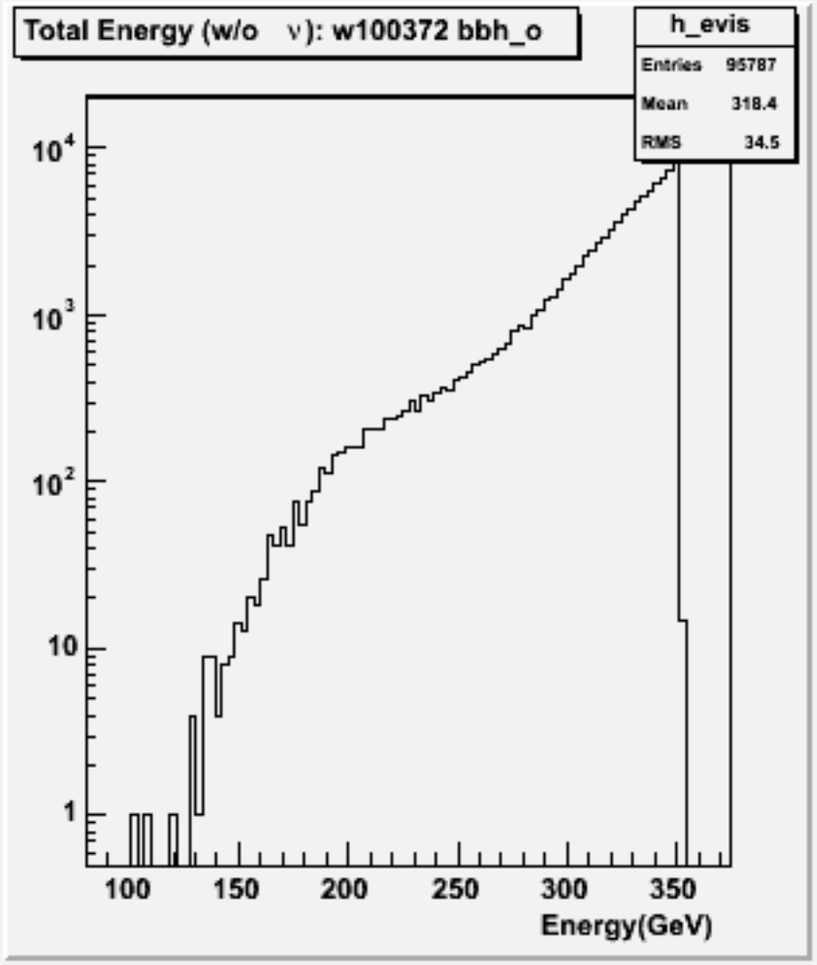

Particle cosθ : w100372 bbh_o
h_cs
Entries 1.021159e+07
Mean 0.002319
RMS 0.5754
10^5
-1
-0.5
0
0.5
1
cos θ

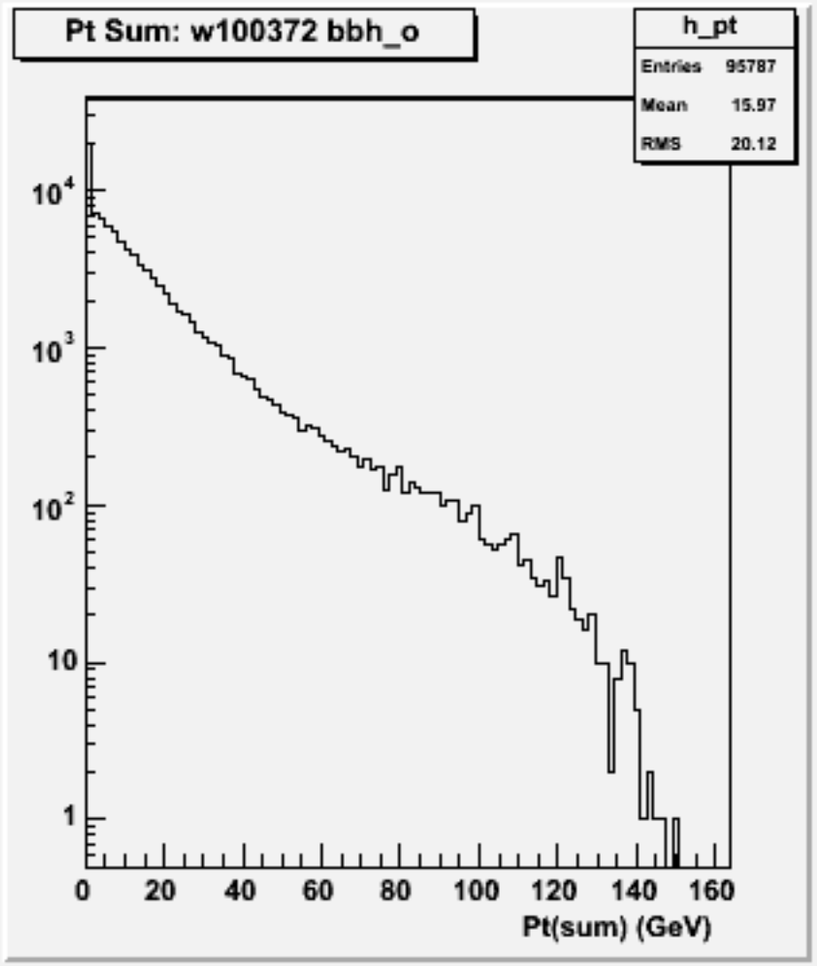

Start point R : w100372 bbh_o
h_vr
Entries 1.021159e+07
Mean 20.4
RMS 190.2
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
Start point Radius

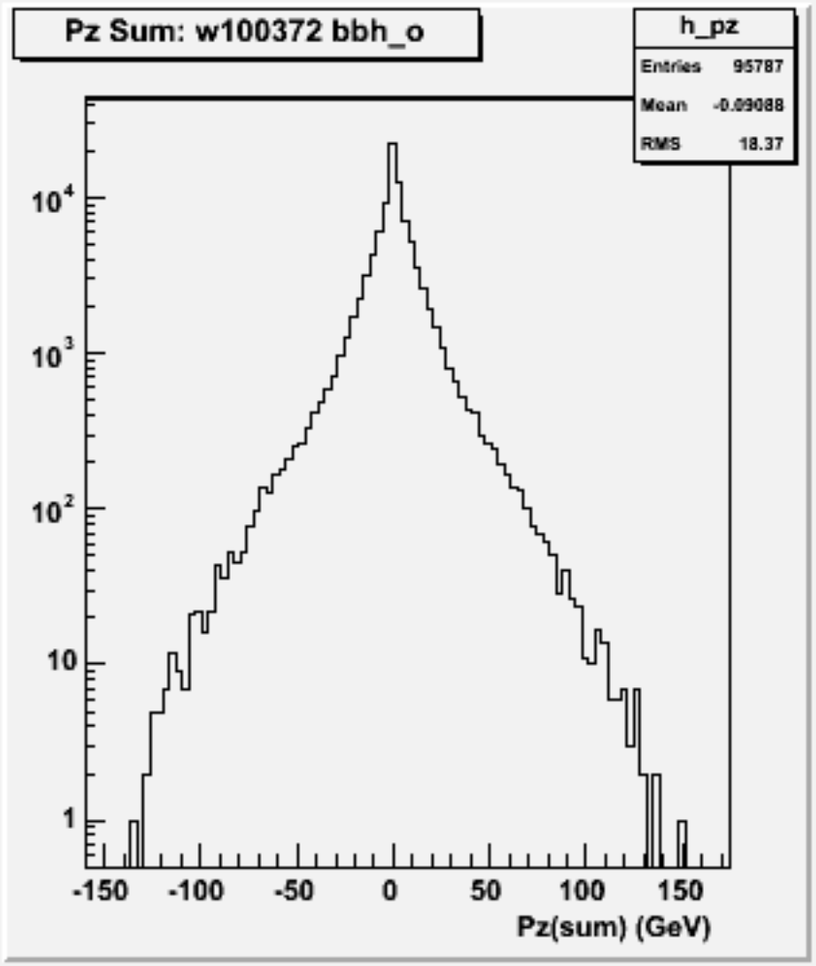

Start point Z : w100372 bbh_o
h_vz
Entries 1.021159e+07
Mean -0.06788
RMS 123.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-60000
-40000
-20000
0
20000
40000
Start point

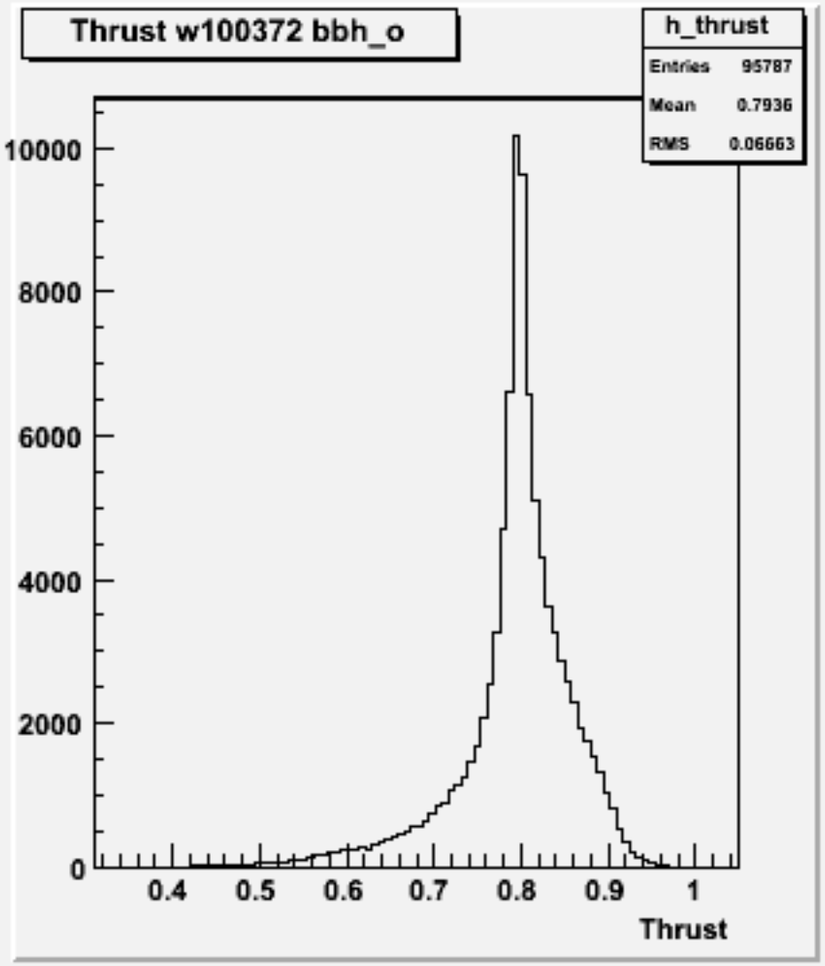

Total Energy (inc. ν): w100372 bbh_o
h_etot
Entries 95787
Mean 346.8
RMS 7.643
Total Energy(GeV)

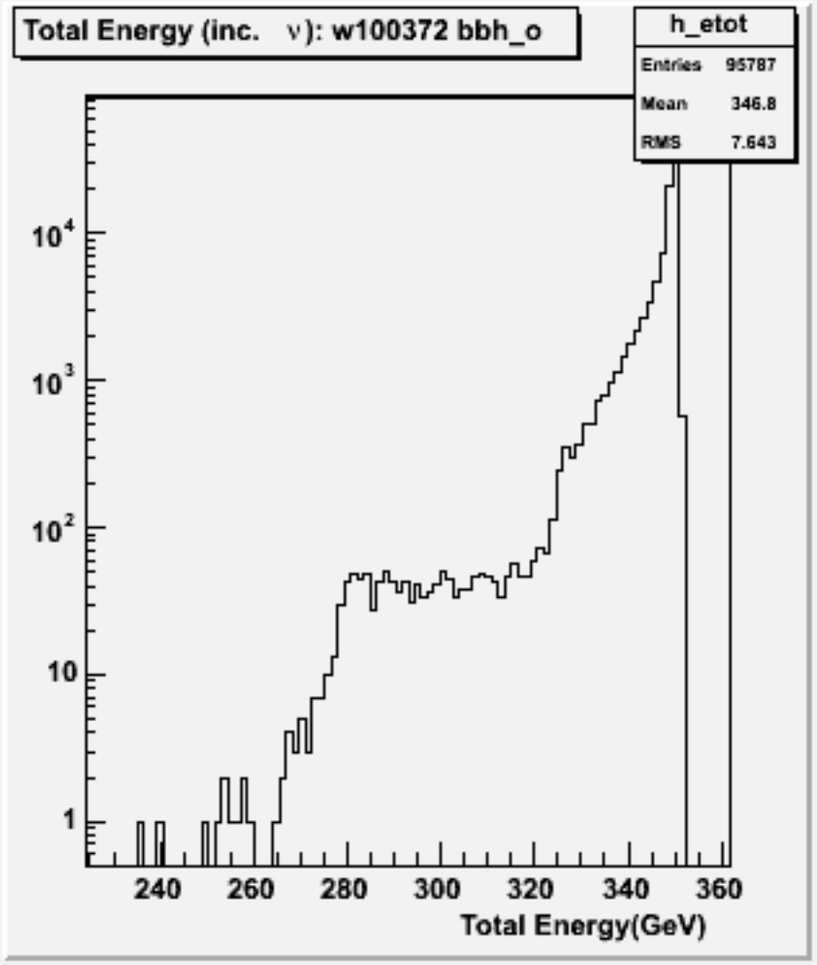

Total Energy (inc. ν): w100372 bbh_o
h_etotc
Entries 86736
Mean 348.6
RMS 2.334
Total Energy(GeV)

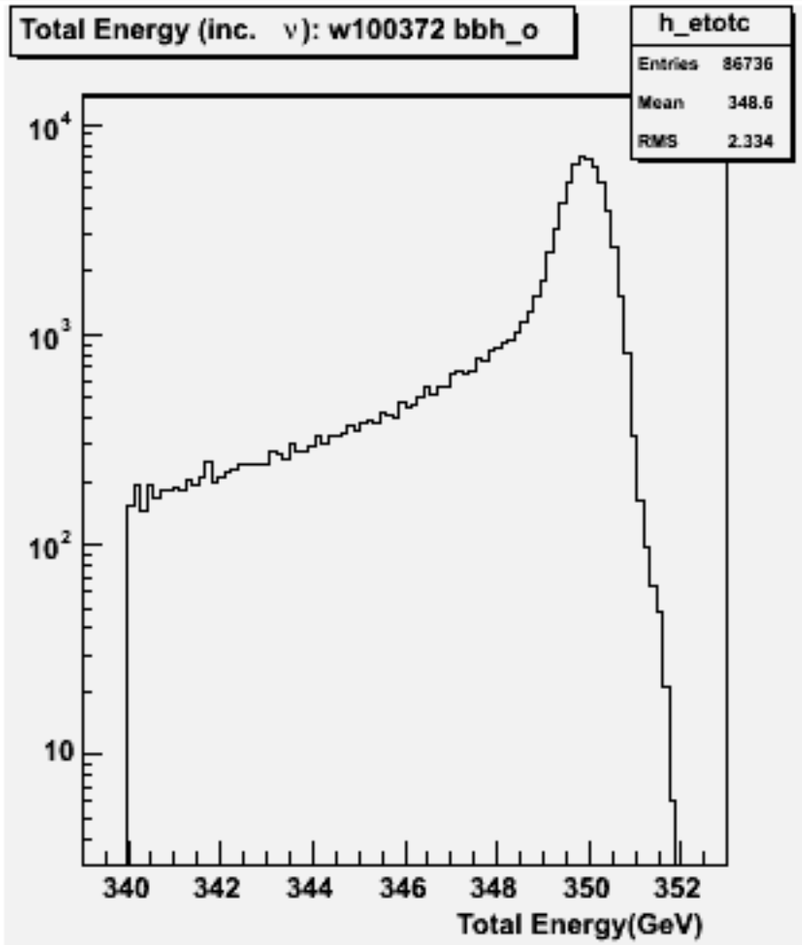

Total Energy (w/o ν): w100372 bbh_o
h_evis
Entries 95787
Mean 318.4
RMS 34.5
Energy(GeV)

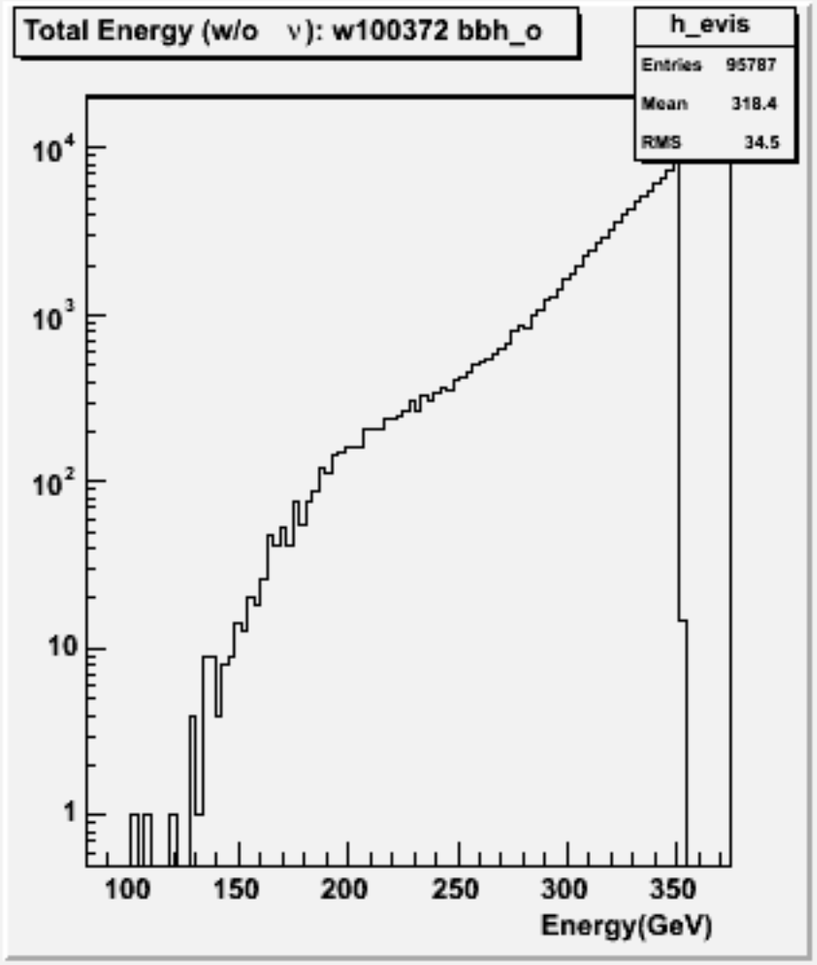

Pt Sum: w100372 bbh_o
h_pt
Entries 95787
Mean 15.97
RMS 20.12
Pt(sum) (GeV)

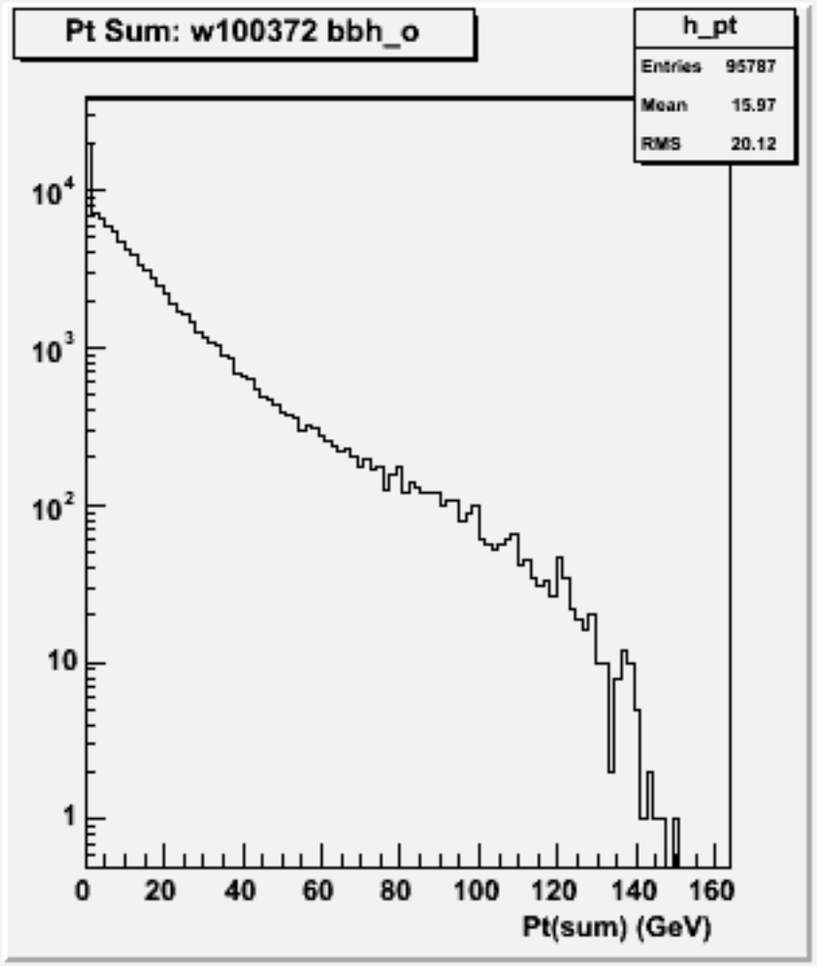

Pz Sum: w100372 bbh_o
h_pz
Entries 95787
Mean -0.09088
RMS 18.37
Pz(sum) (GeV)

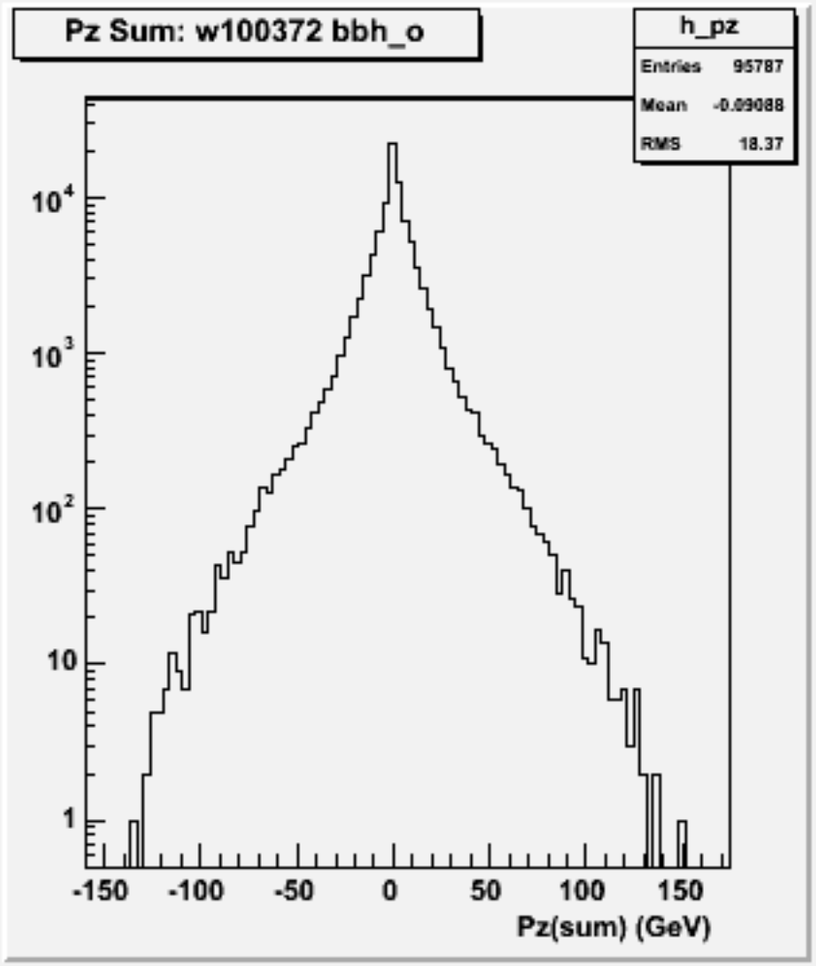

Thrust w100372 bbh_o
h_thrust
Entries 95787
Mean 0.7936
RMS 0.06663
Thrust

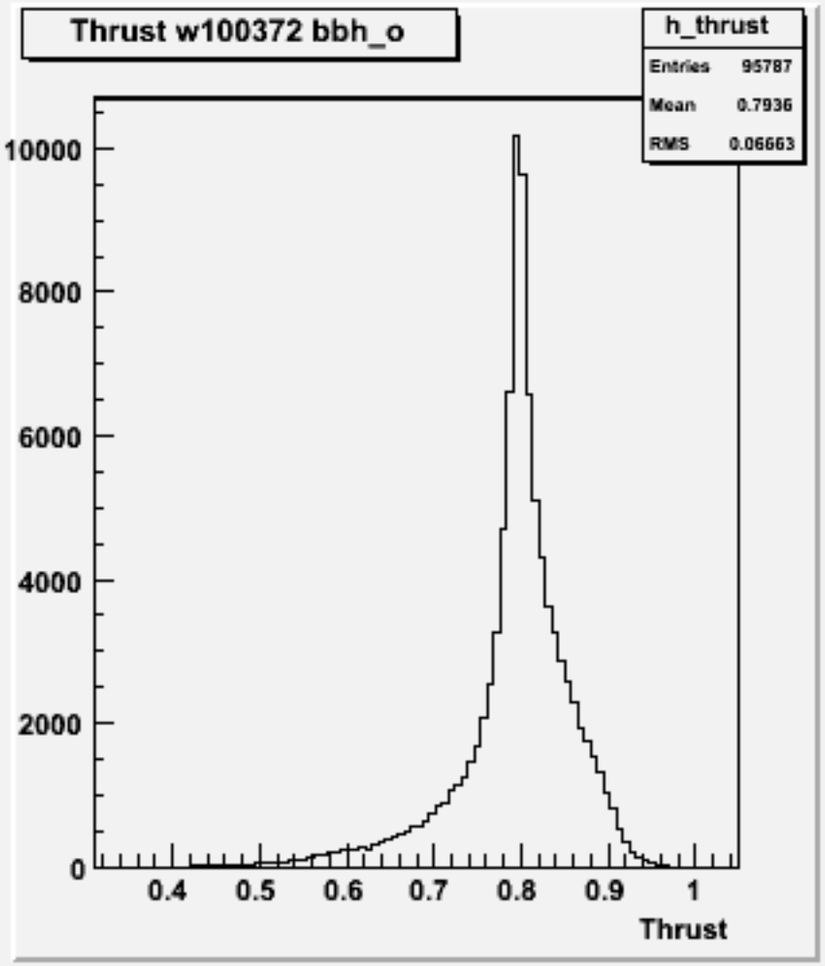

Total Energy (inc. ν): w100372 bbh_o
h_etot
Entries 95787
Mean 346.8
RMS 7.643
Total Energy(GeV)

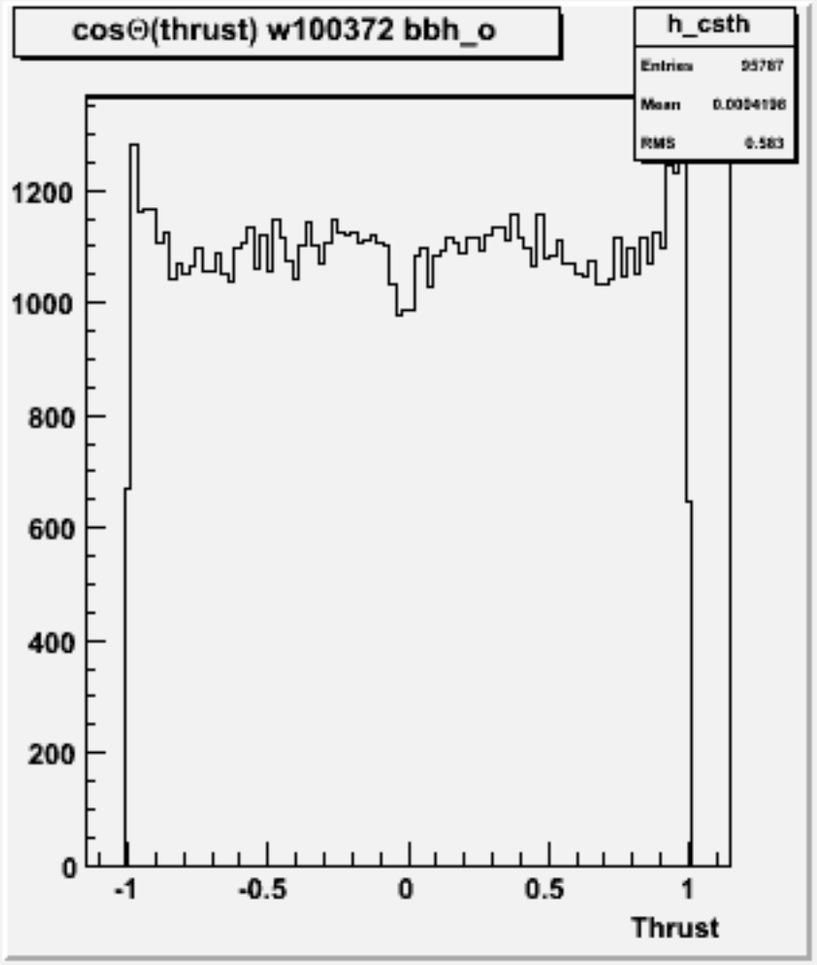

Total Energy (inc. ν): w100372 bbh_o
h_etotc
Entries 86736
Mean 348.6
RMS 2.334
Total Energy(GeV)

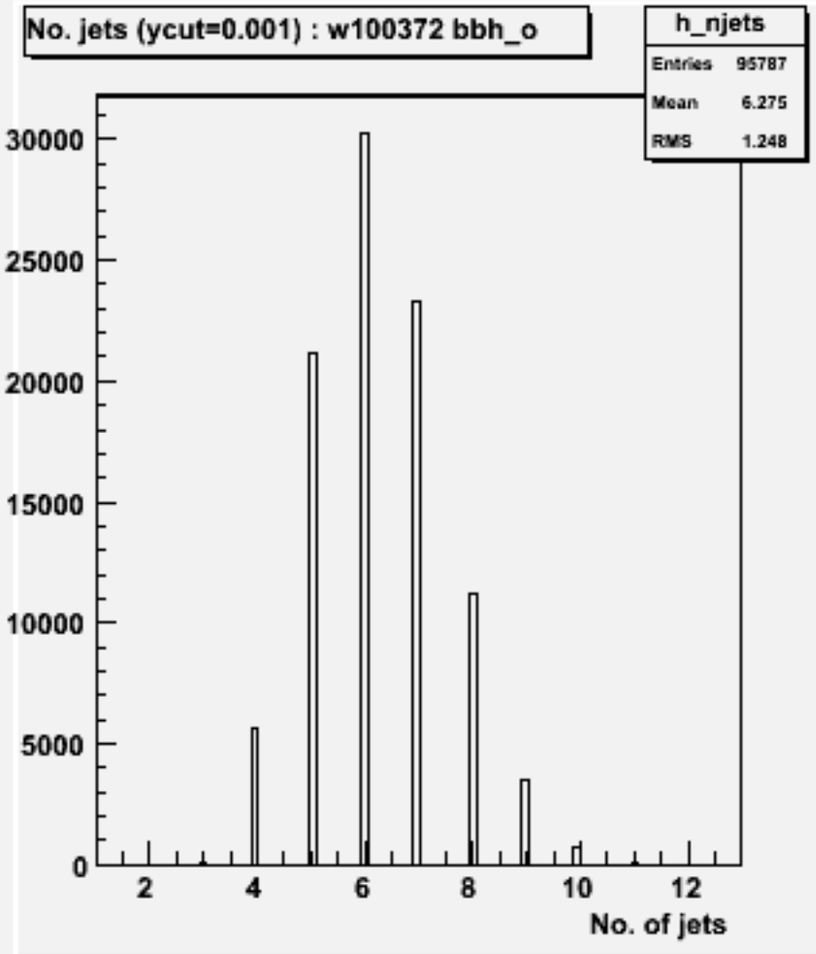

Total Energy (w/o ν): w100372 bbh_o
h_evis
Entries 95787
Mean 318.4
RMS 34.5
Energy(GeV)

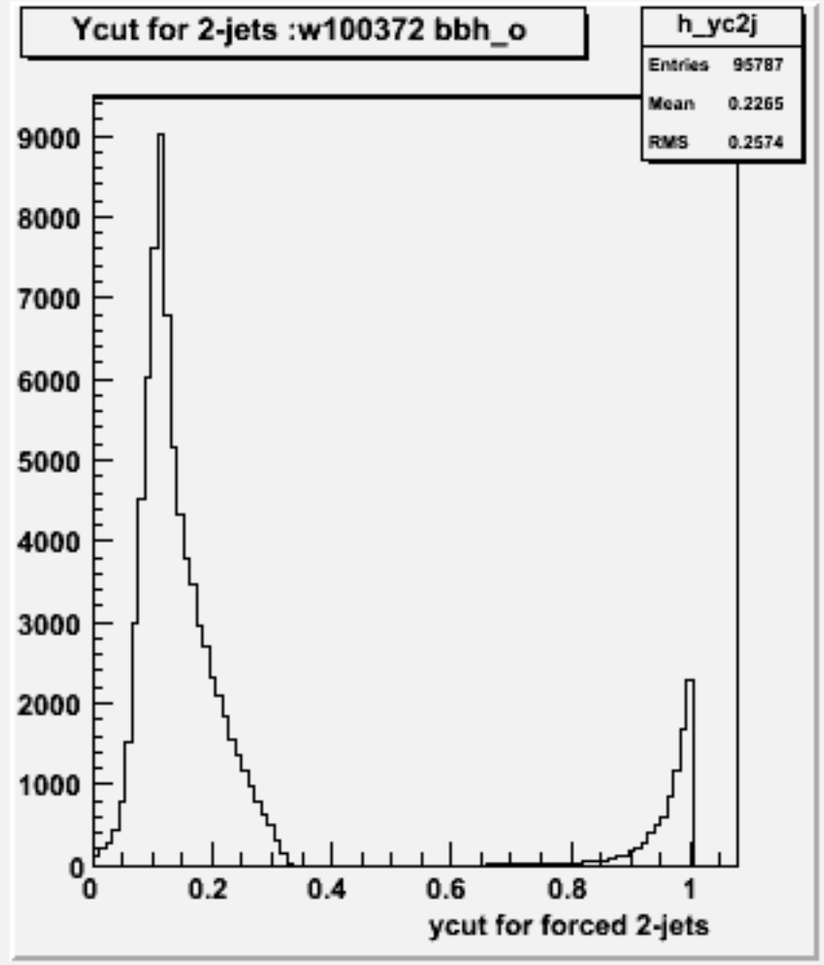

Pt Sum: w100372 bbh_o
h_pt
Entries 95787
Mean 15.97
RMS 20.12
Pt(sum) (GeV)

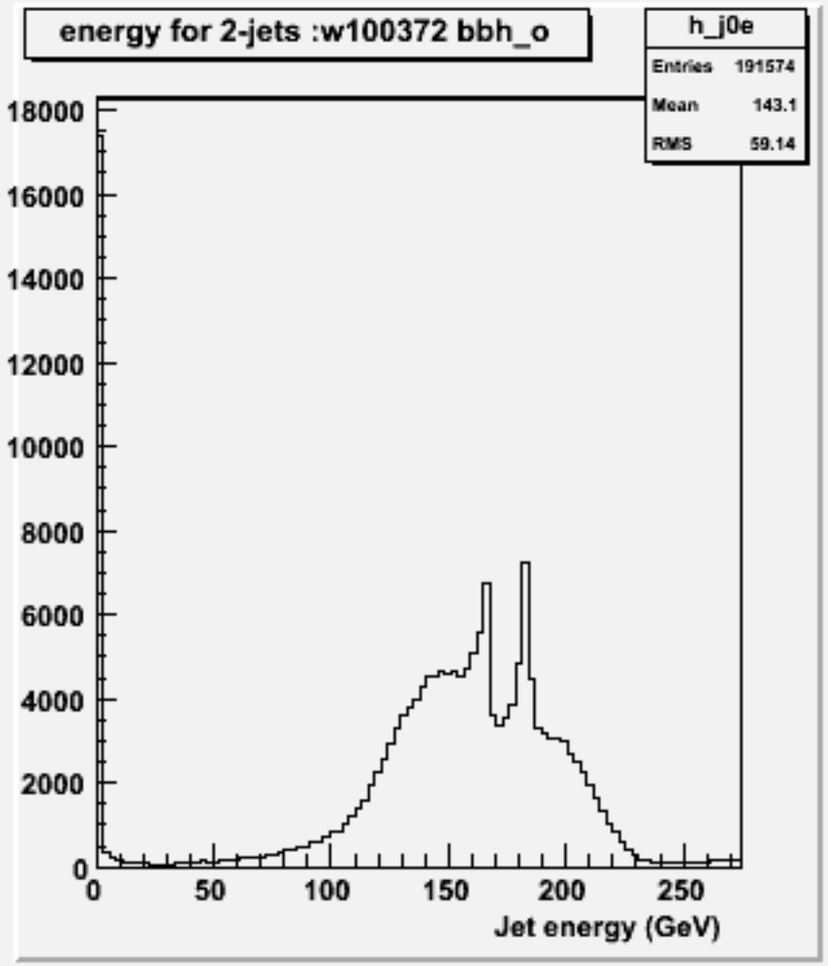

Pz Sum: w100372 bbh_o
h_pz
Entries 95787
Mean -0.09088
RMS 18.37
Pz(sum) (GeV)

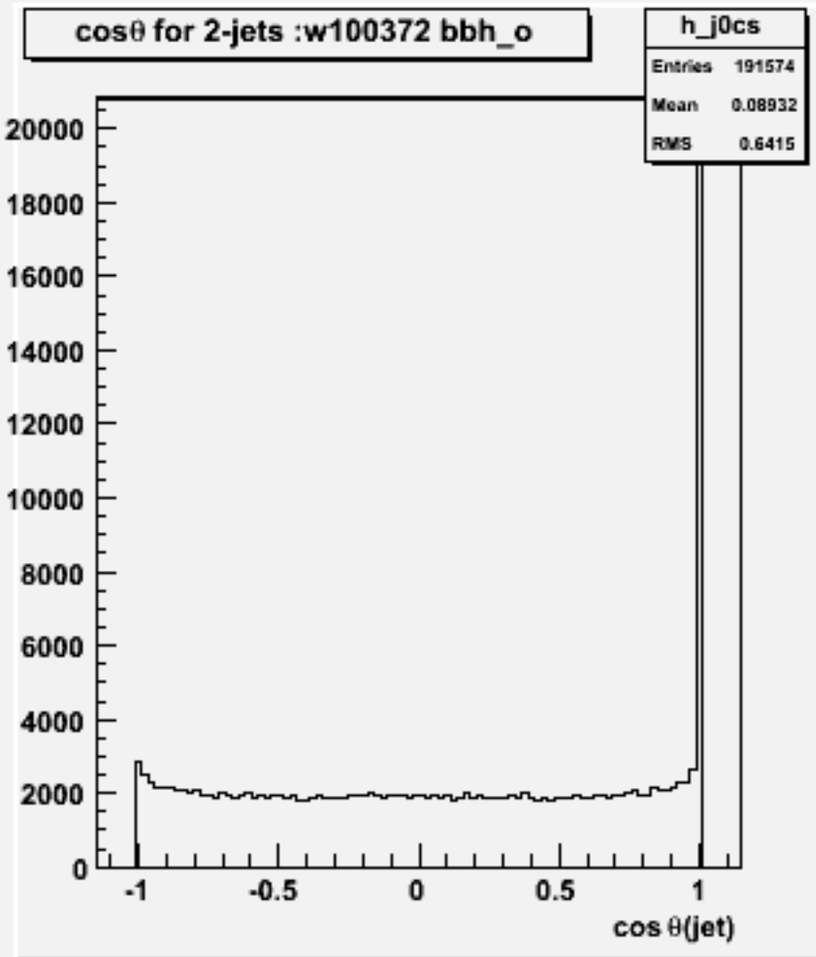

Thrust w100372 bbh_o
h_thrust
Entries 95787
Mean 0.7936
RMS 0.06663
Thrust

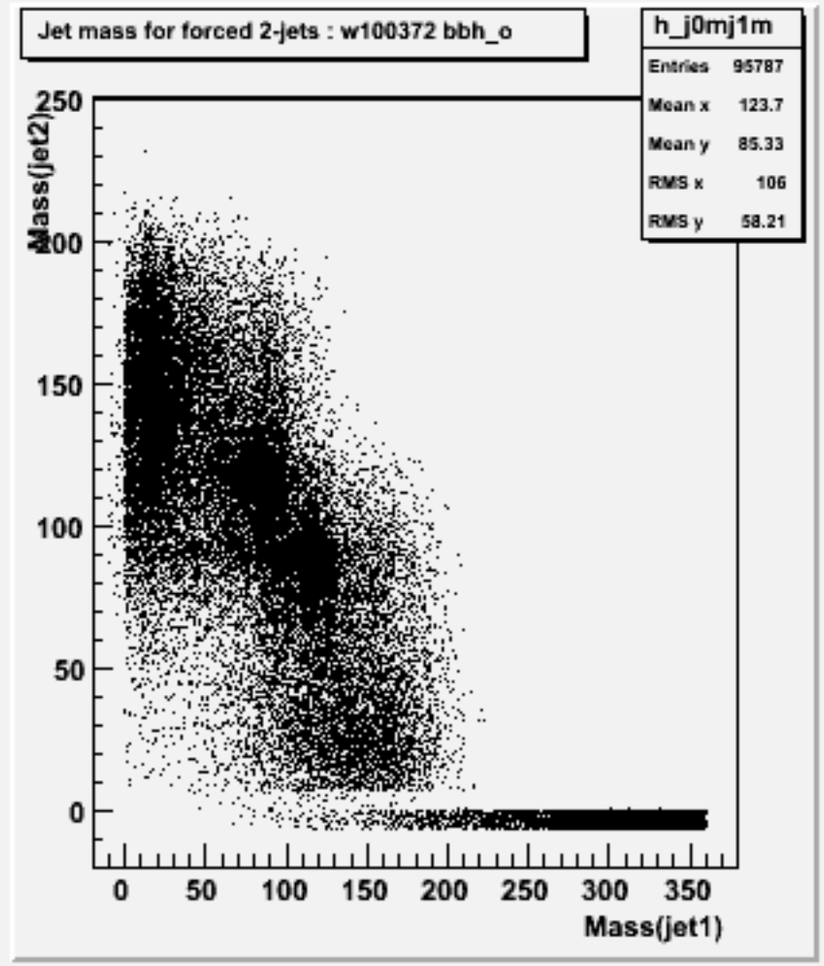

cosΘ(thrust) w100372 bbh_o
h_csth
Entries 95787
Mean 0.0004196
RMS 0.583
Thrust

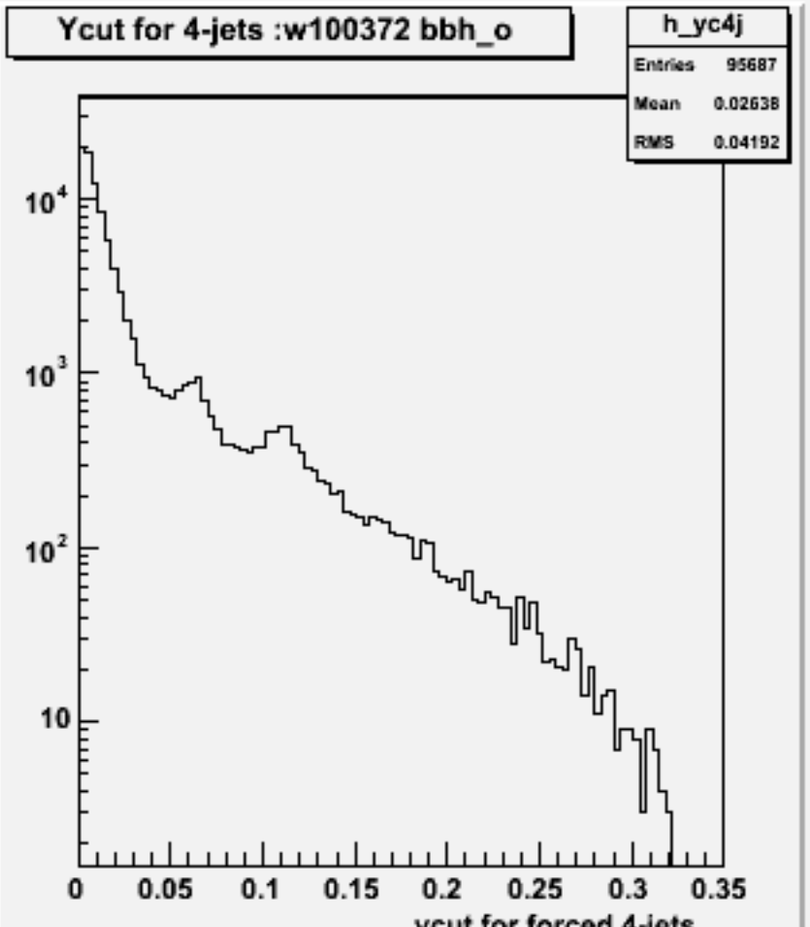

No. jets (ycut=0.001) : w100372 bbh_o
h_njets
Entries 95787
Mean 6.275
RMS 1.248
No. of jets

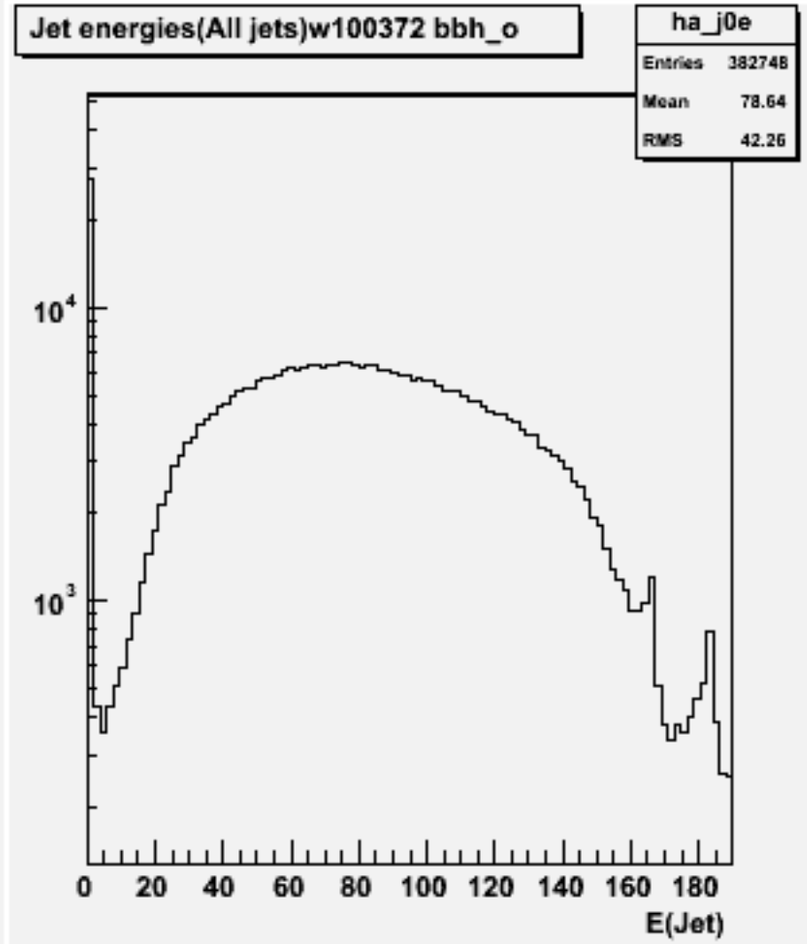

Ycut for 2-jets :w100372 bbh_o
h_yc2j
Entries 95787
Mean 0.2265
RMS 0.2574
ycut for forced 2-jets

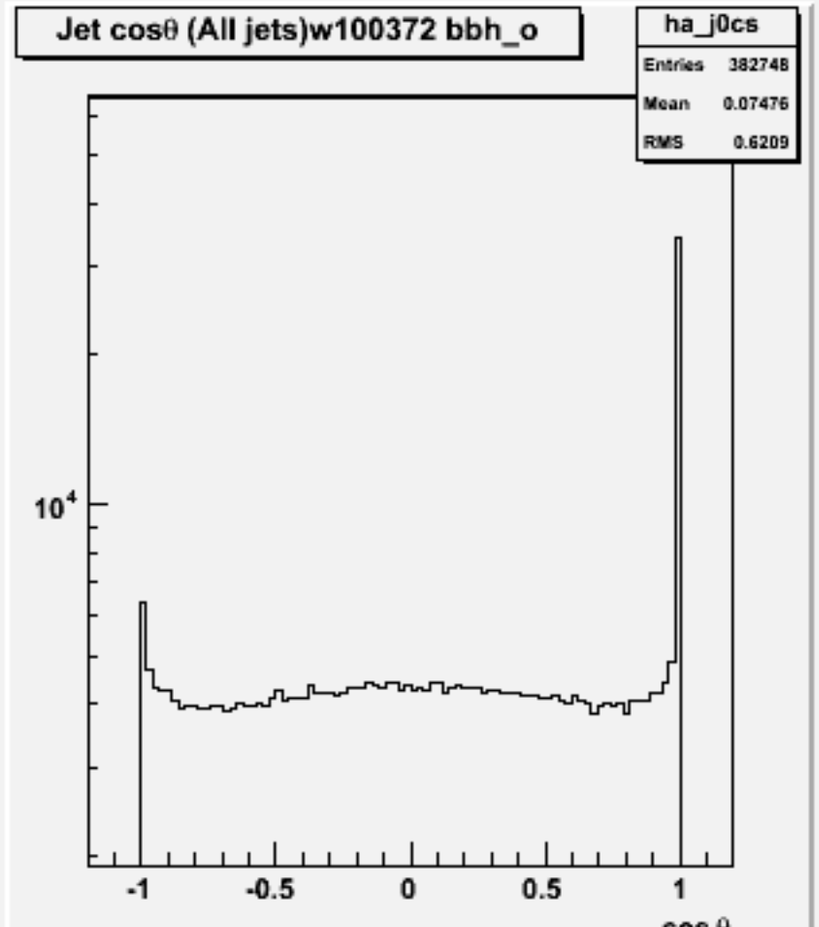

energy for 2-jets :w100372 bbh_o
h_j0e
Entries 191574
Mean 143.1
RMS 59.14
Jet energy (GeV)

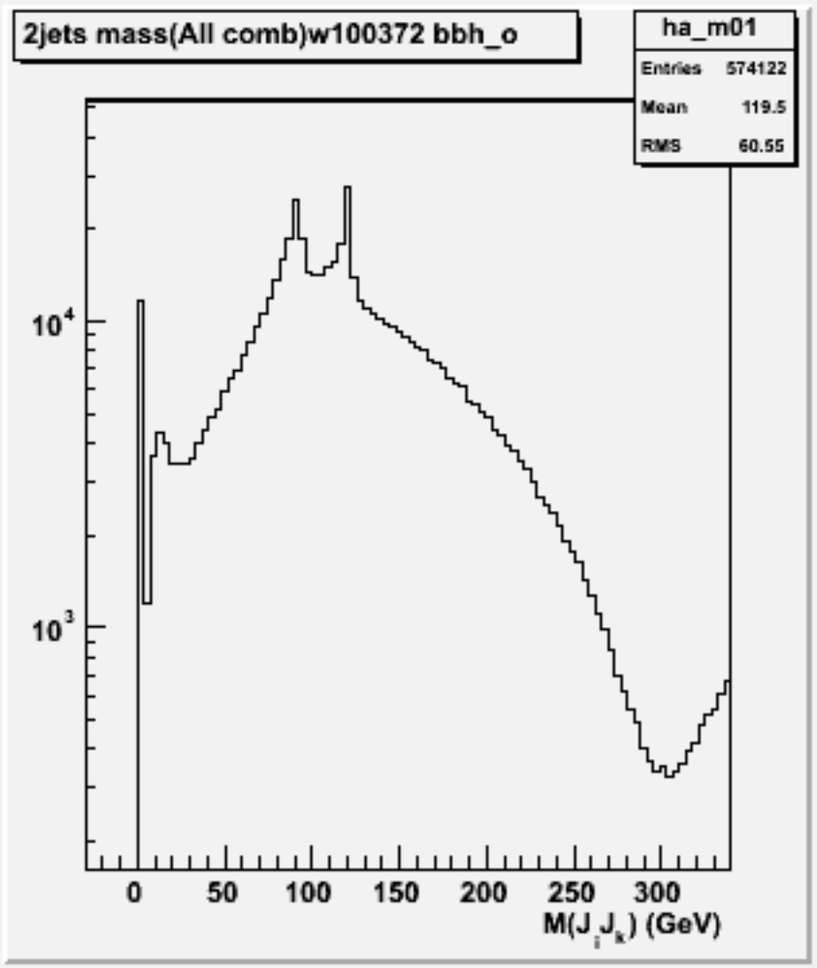

cosθ for 2-jets :w100372 bbh_o
h_j0cs
Entries 191574
Mean 0.08932
RMS 0.6415
cos θ(jet)

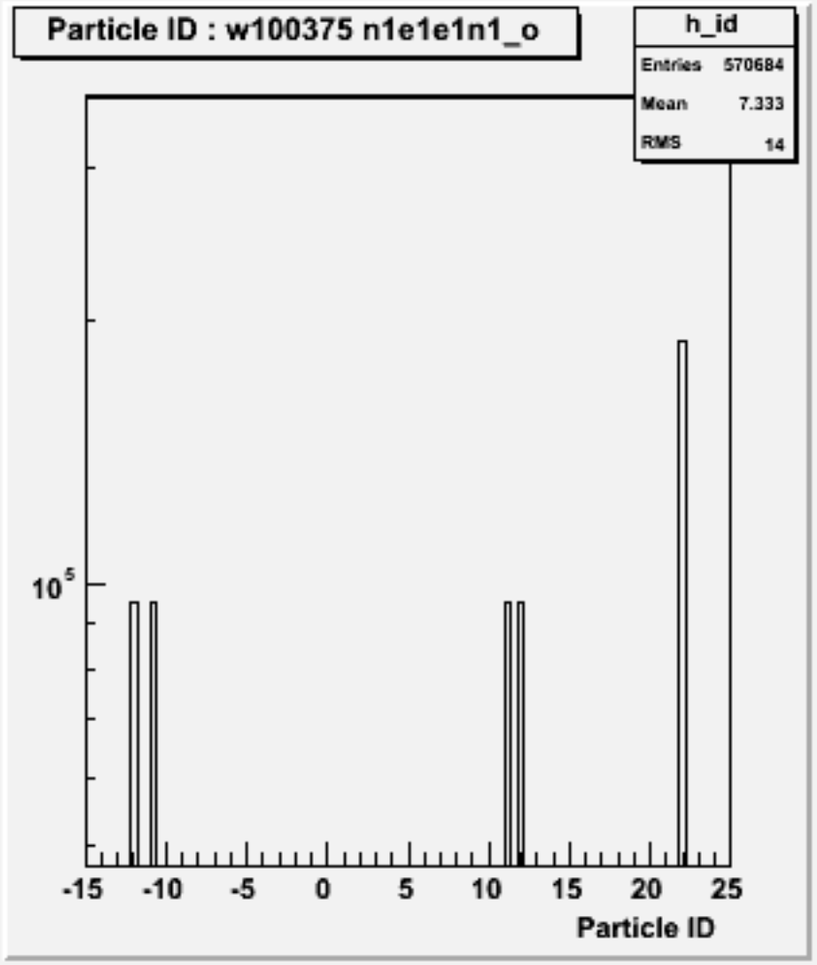

Jet mass for forced 2-jets : w100372 bbh_o
h_j0mj1m
Entries 95787
Mean x 123.7
Mean y 85.33
RMS x 106
RMS y 58.21
Mass(jet2)
Mass(jet1)

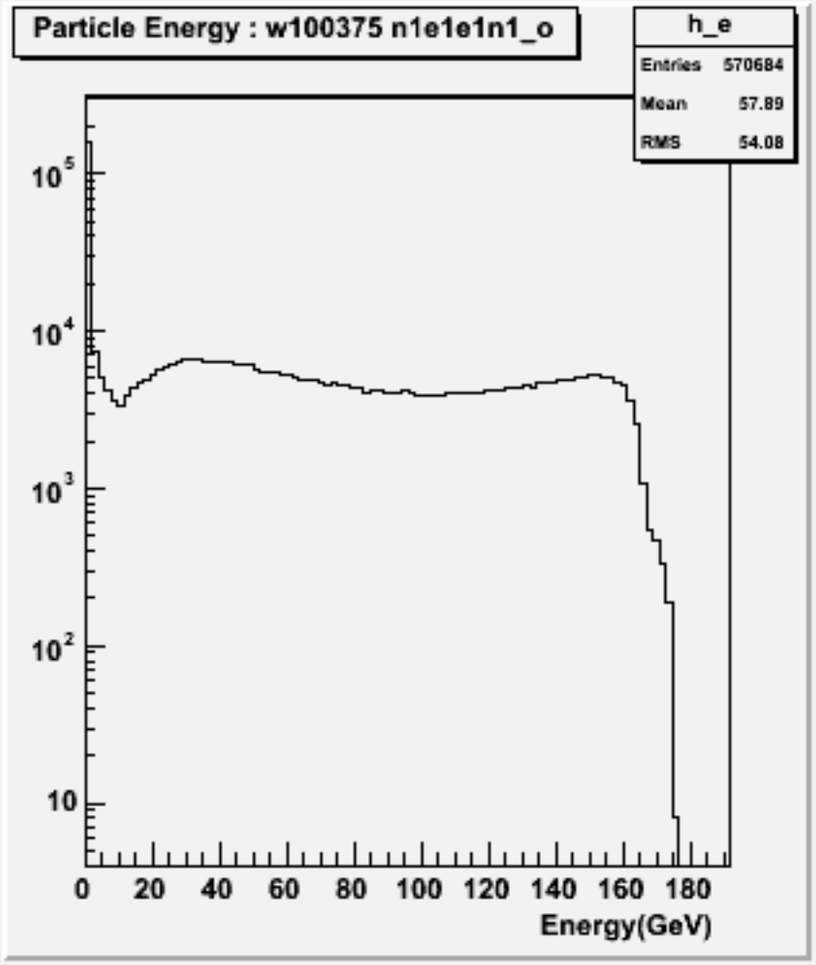

Ycut for 4-jets :w100372 bbh_o
h_yc4j
Entries 95687
Mean 0.02638
RMS 0.04192
ycut for forced 4-jets

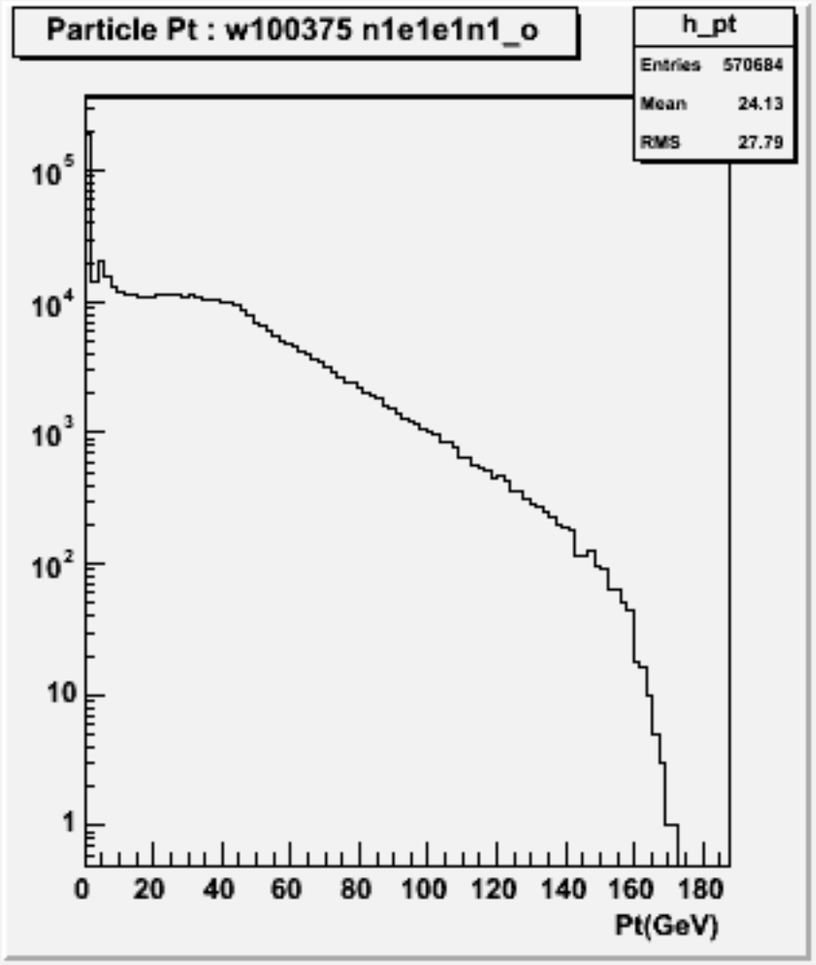

Jet energies(All jets)w100372 bbh_o
ha_j0e
Entries 382748
Mean 78.64
RMS 42.26
E(Jet)

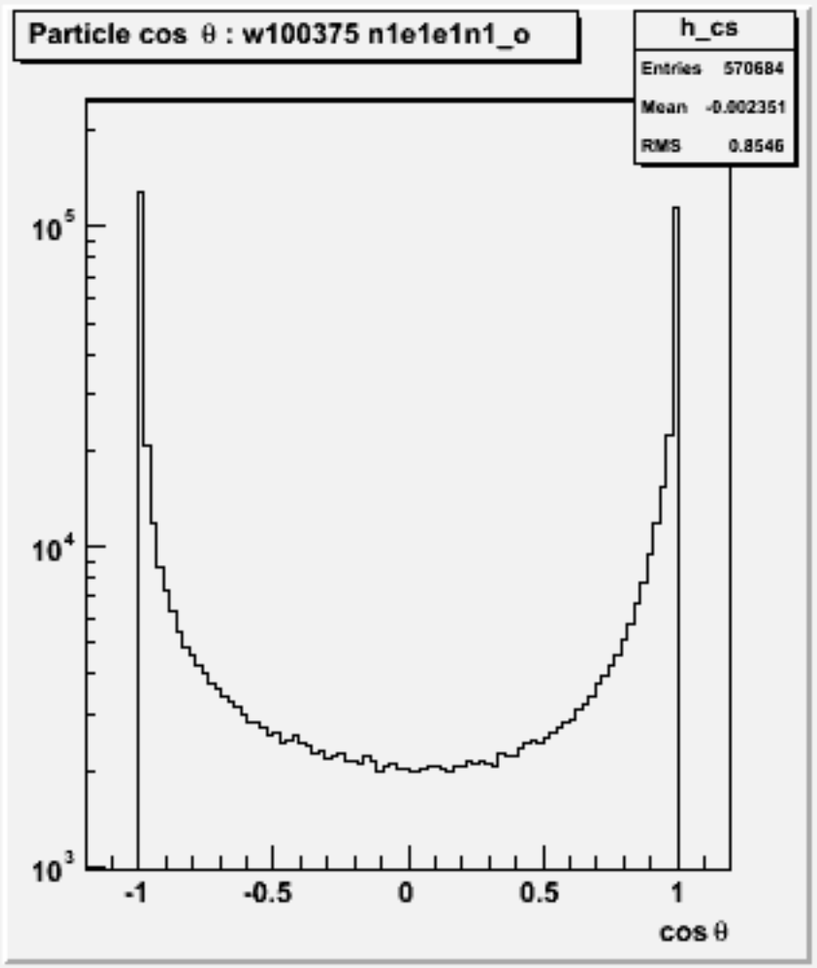

Jet cosθ (All jets)w100372 bbh_o
ha_j0cs
Entries 382748
Mean 0.07476
RMS 0.6209
cos θ

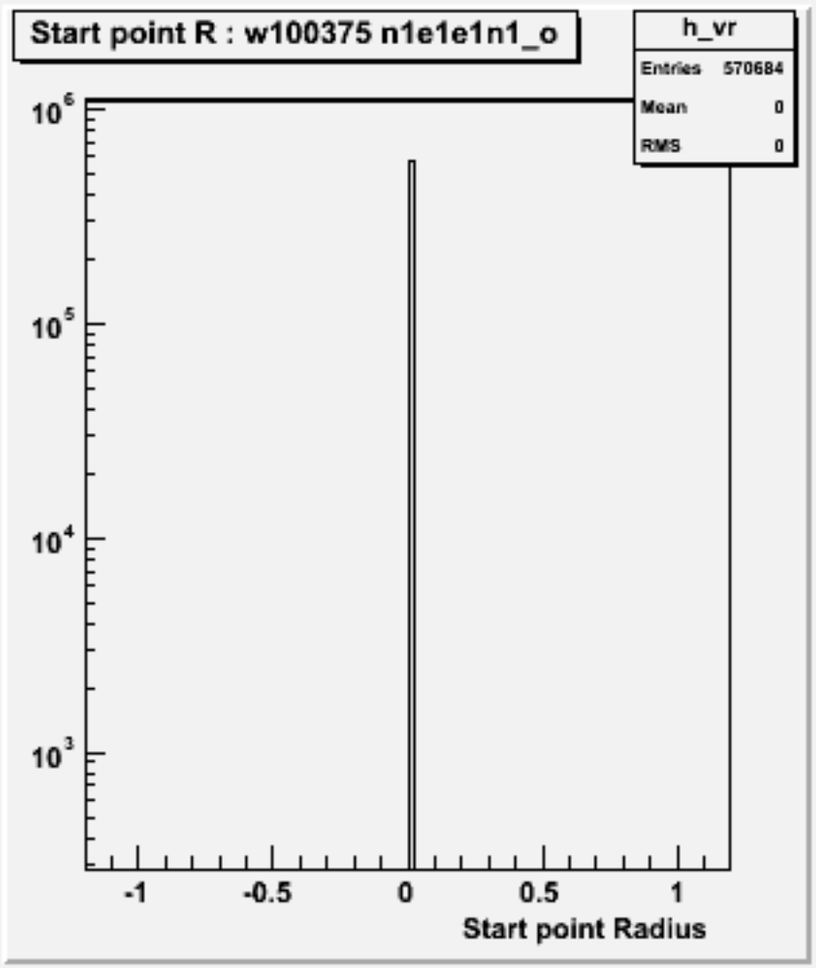

2jets mass(All comb)w100372 bbh_o
ha_m01
Entries 574122
Mean 119.5
RMS 60.55
M(J_iJ_k) (GeV)

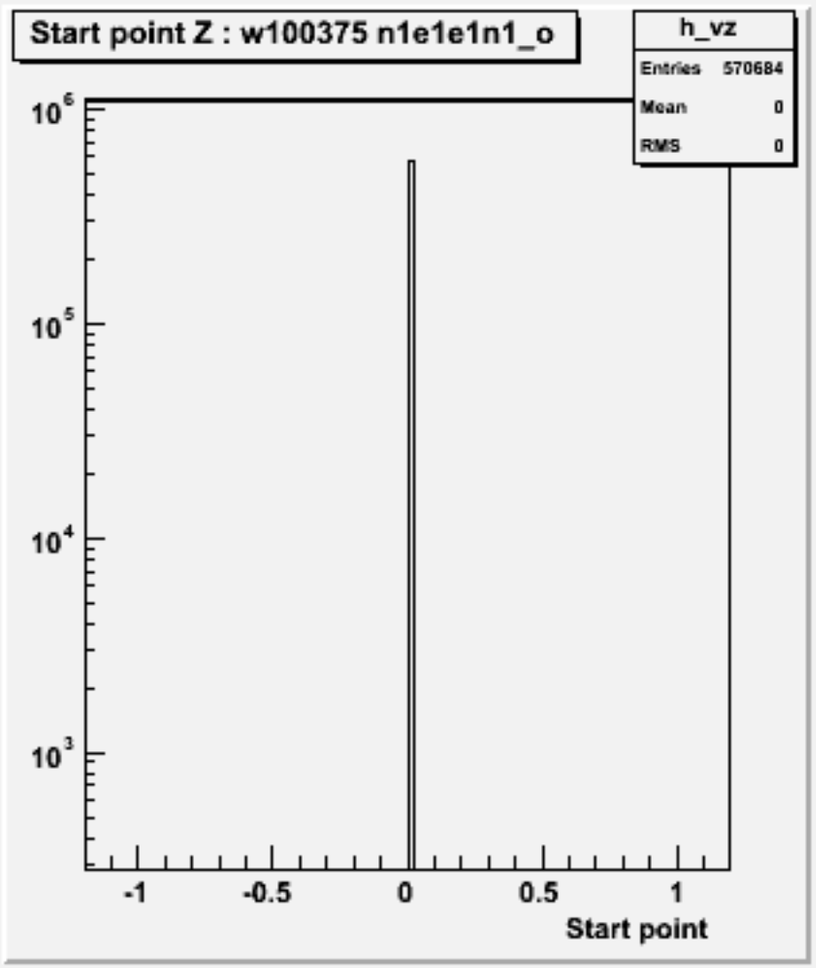

Particle ID : w100375 n1e1e1n1_o
h_id
Entries 570684
Mean 7.333
RMS 14
10^5
-15 -10 -5 0 5 10 15 20 25
Particle ID

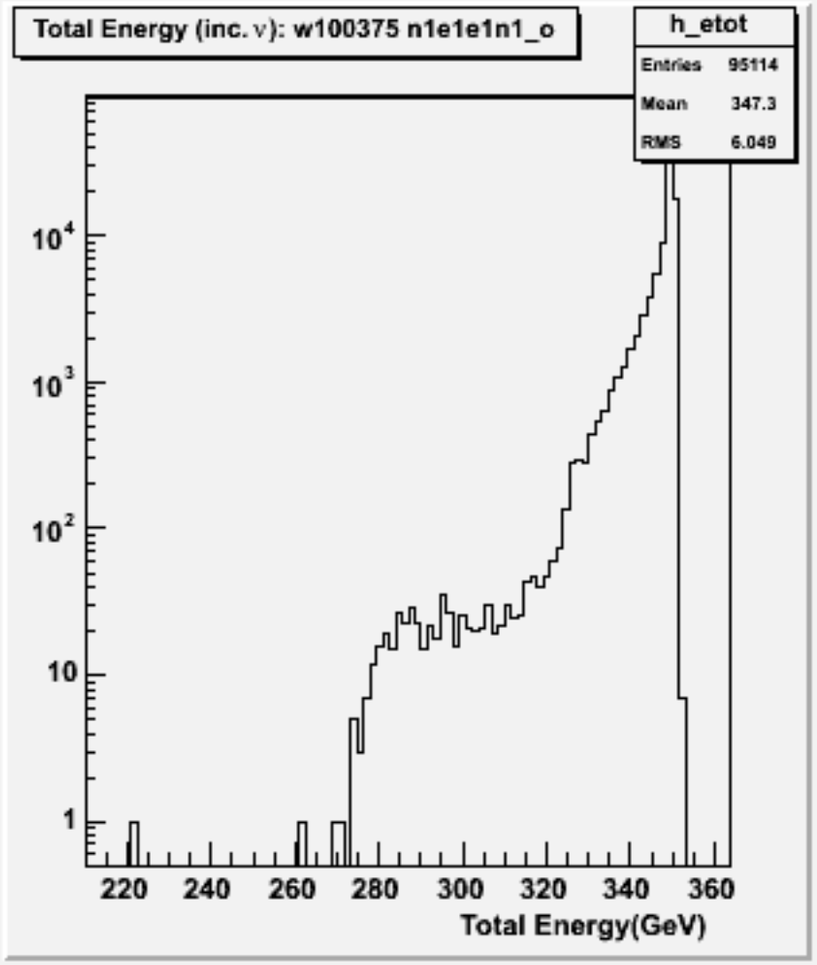

Particle Energy : w100375 n1e1e1n1_o
h_e
Entries 570684
Mean 57.89
RMS 54.08
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

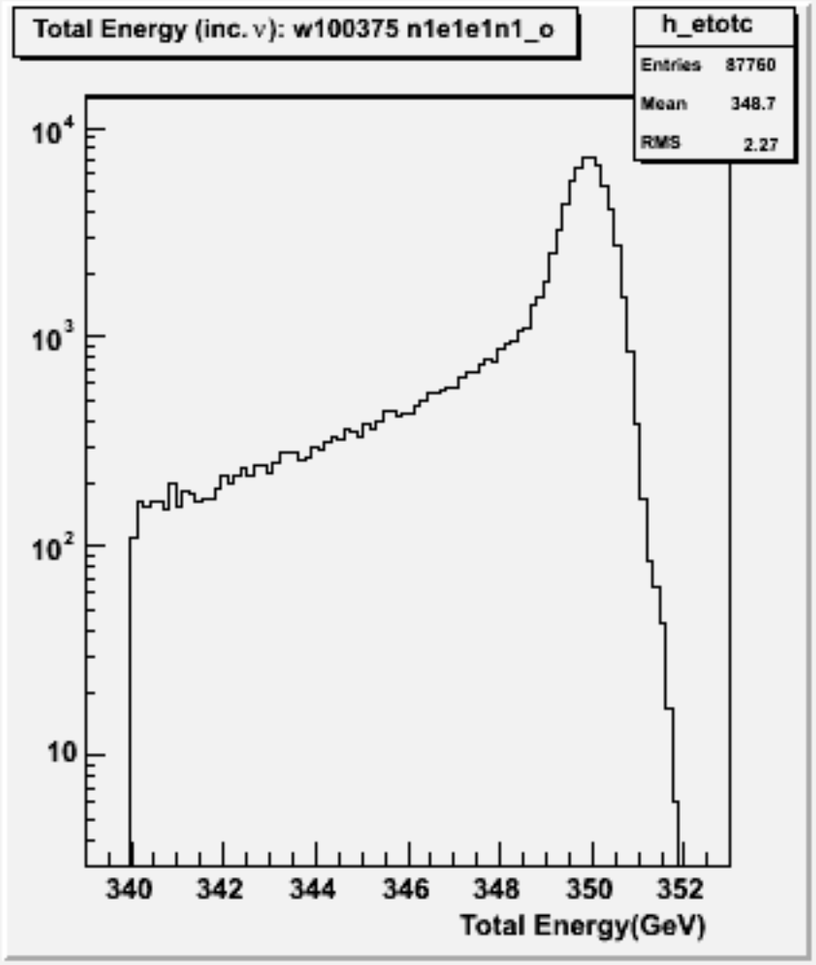

Particle Pt : w100375 n1e1e1n1_o
h_pt
Entries 570684
Mean 24.13
RMS 27.79
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

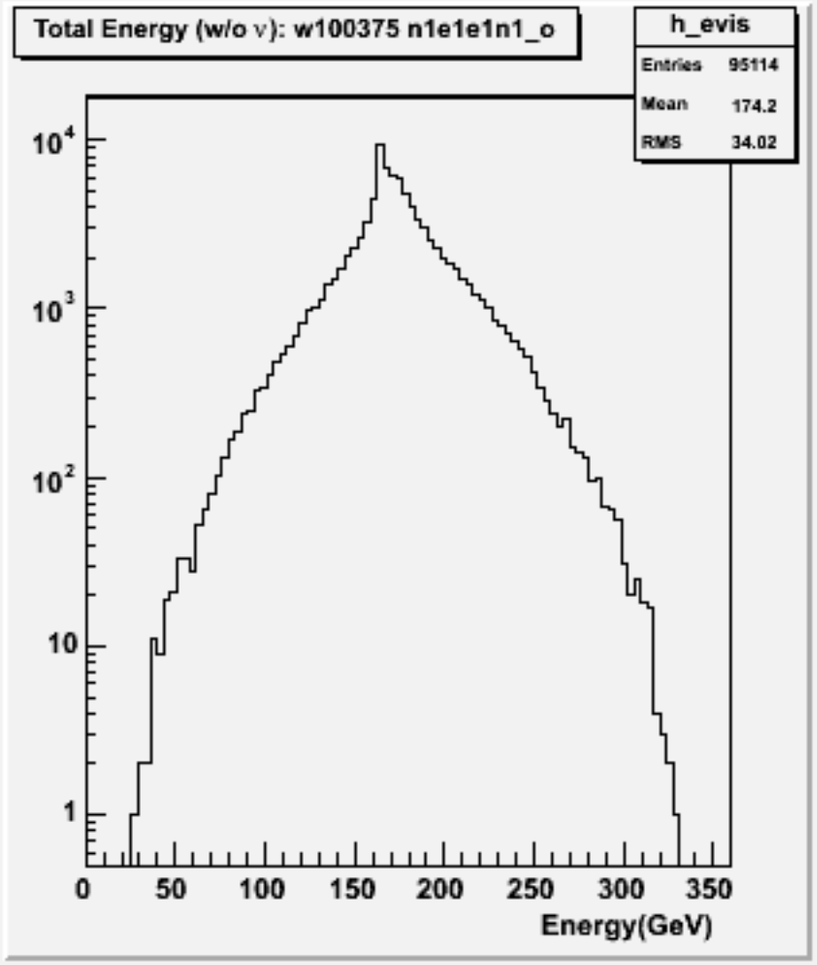

Particle cos θ : w100375 n1e1e1n1_o
h_cs
Entries 570684
Mean -0.002351
RMS 0.8546
10^5
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

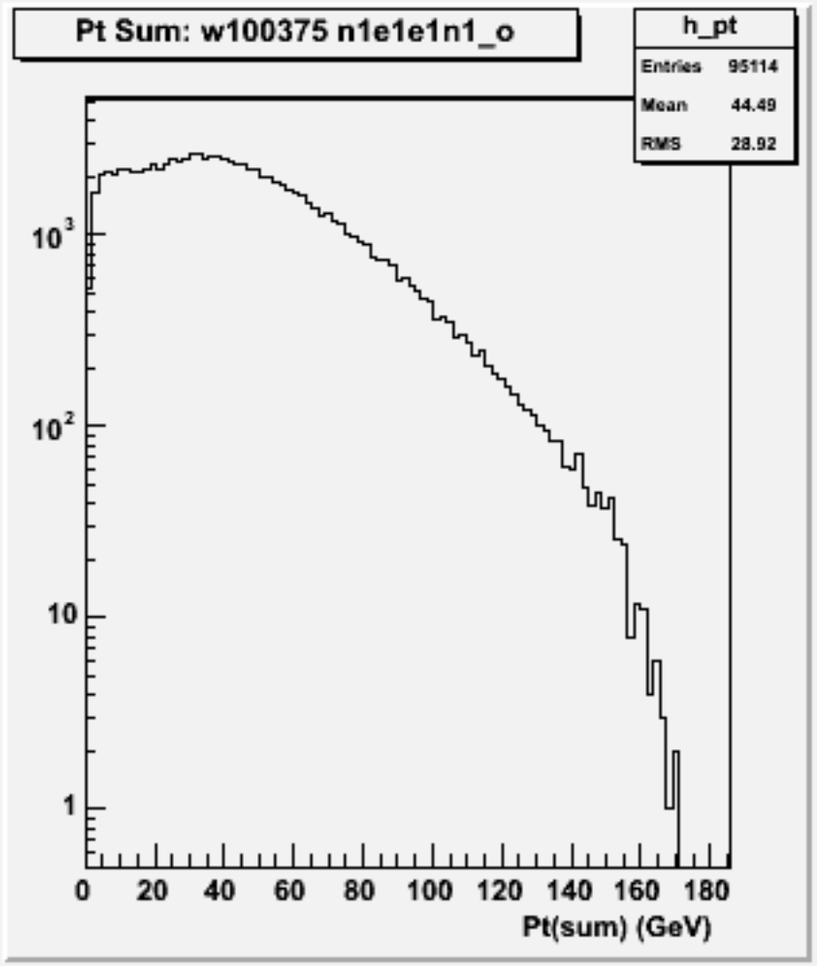

Start point R : w100375 n1e1e1n1_o
h_vr
Entries 570684
Mean 0
RMS 0
10^6
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point Radius

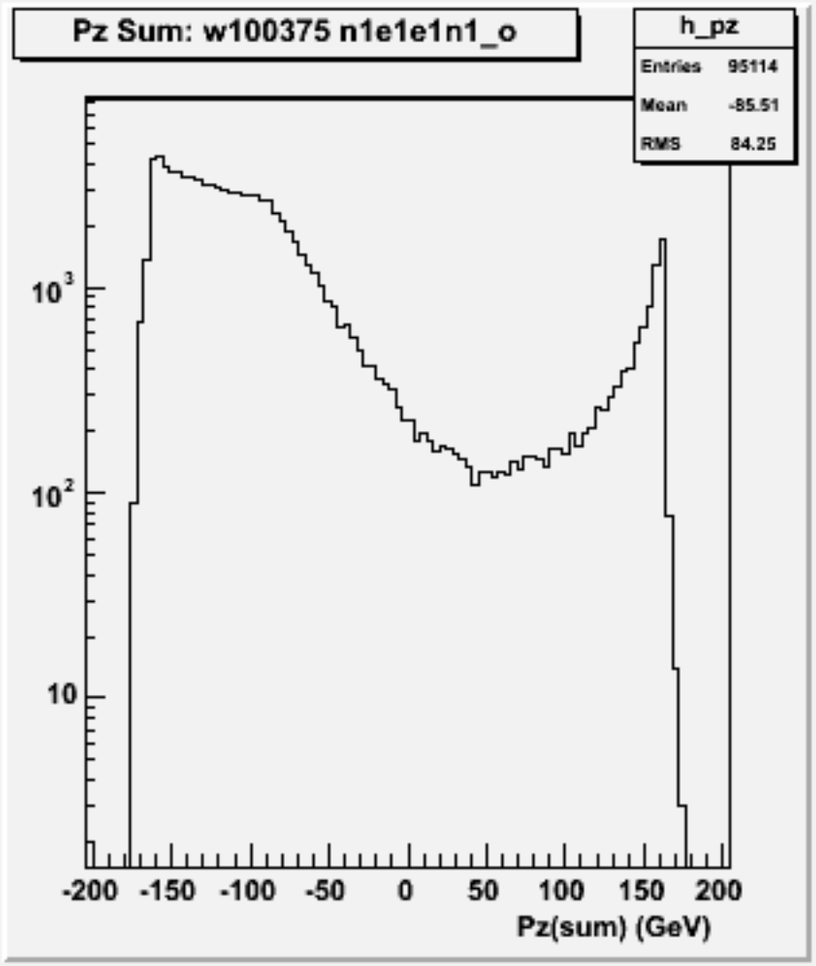

Start point Z : w100375 n1e1e1n1_o
h_vz
Entries 570684
Mean 0
RMS 0
10^6
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point

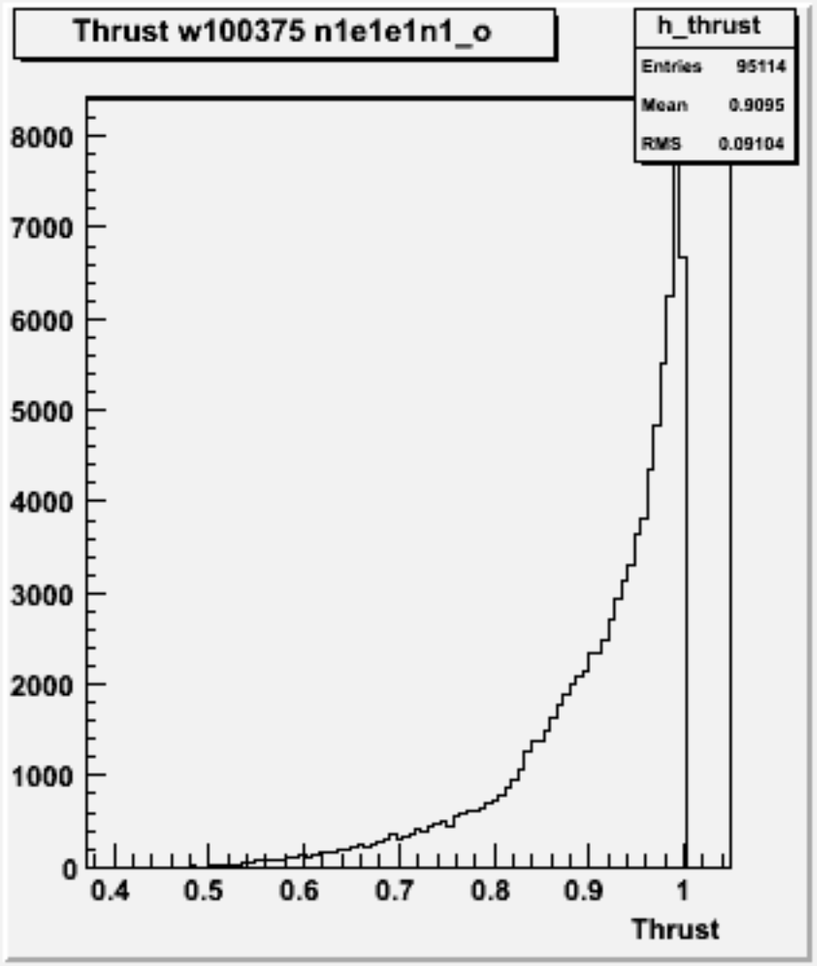

Total Energy (inc. ν): w100375 n1e1e1n1_o
h_etot
Entries 95114
Mean 347.3
RMS 6.049
Total Energy(GeV)

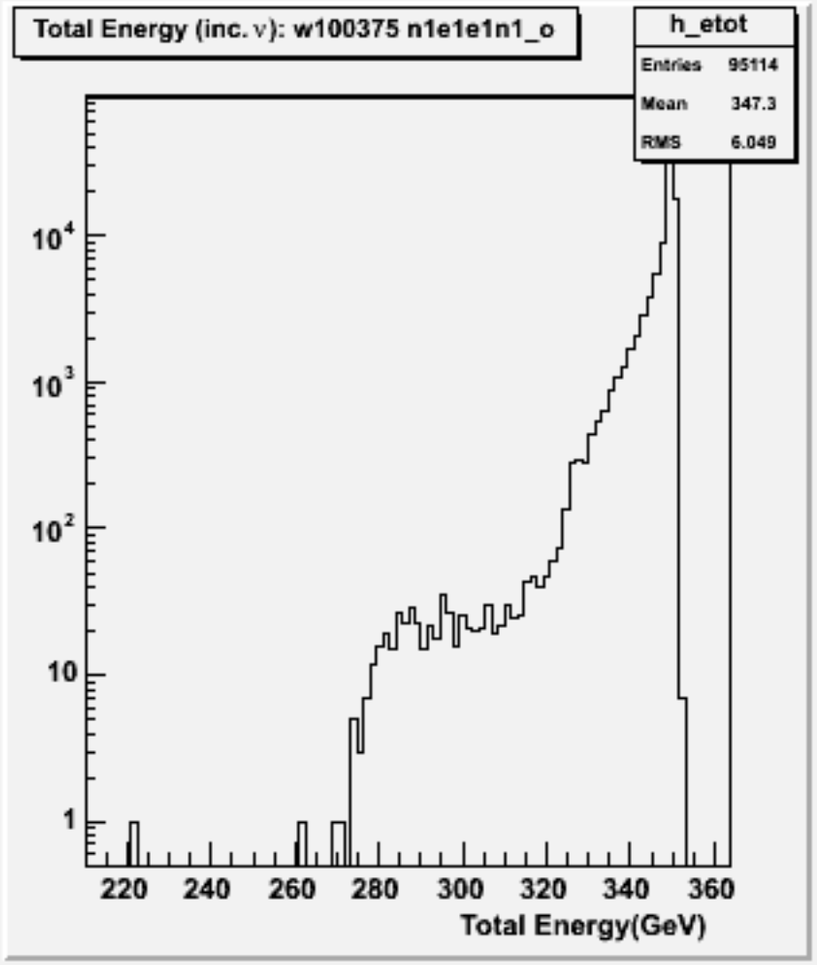

Total Energy (inc. ν): w100375 n1e1e1n1_o
h_etotc
Entries 87760
Mean 348.7
RMS 2.27
Total Energy(GeV)

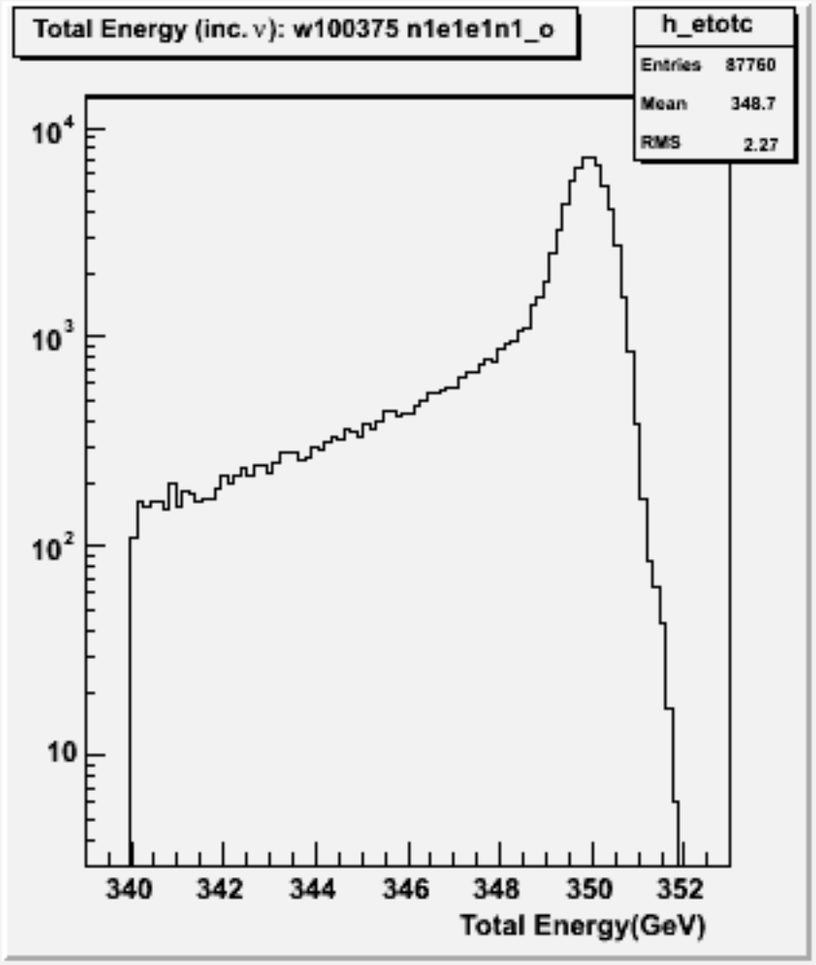

Total Energy (w/o ν): w100375 n1e1e1n1_o
h_evis
Entries 95114
Mean 174.2
RMS 34.02
Energy(GeV)

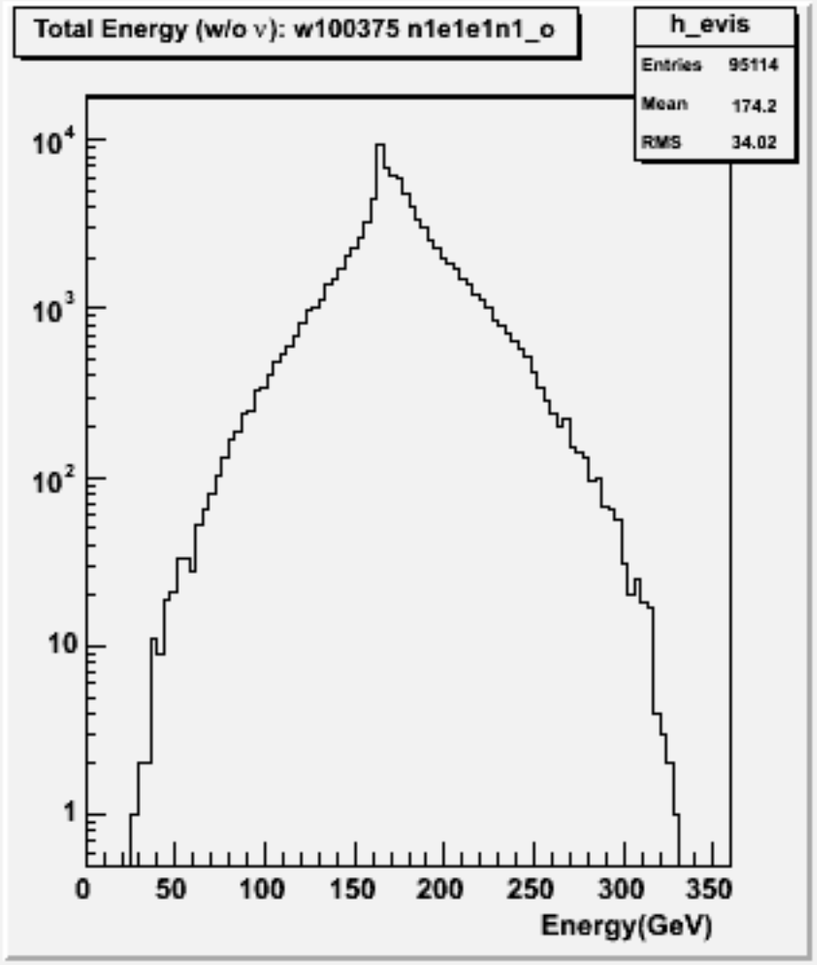

Pt Sum: w100375 n1e1e1n1_o
h_pt
Entries 95114
Mean 44.49
RMS 28.92
Pt(sum) (GeV)

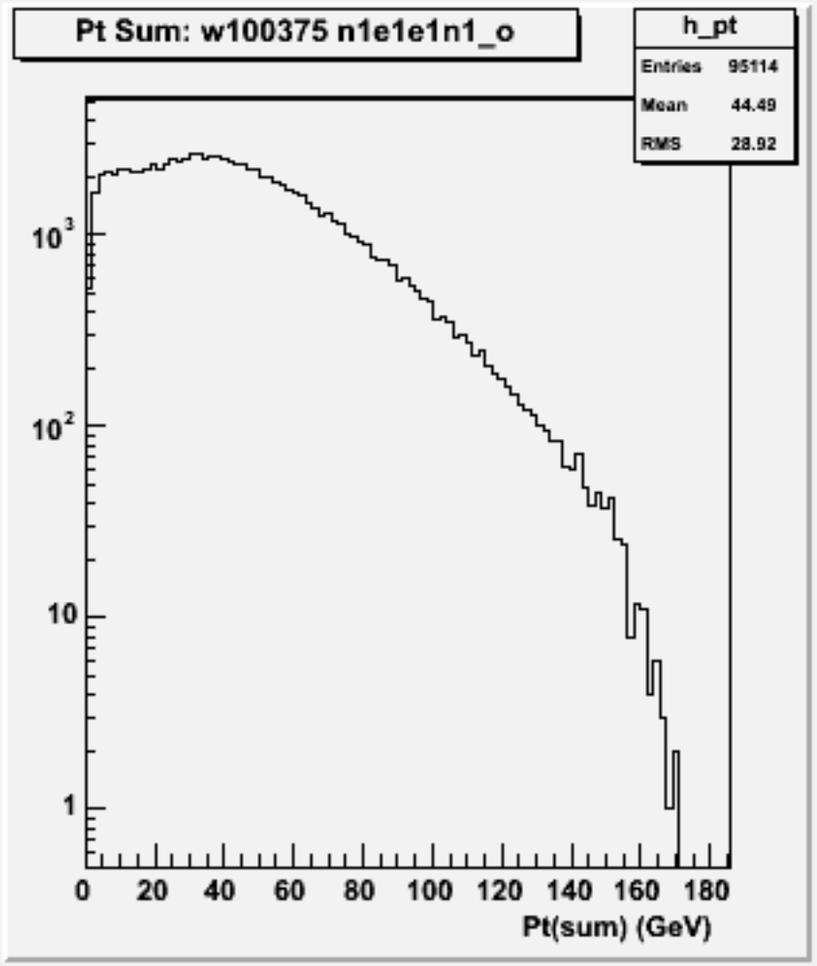

Pz Sum: w100375 n1e1e1n1_o
h_pz
Entries 95114
Mean -85.51
RMS 84.25
Pz(sum) (GeV)

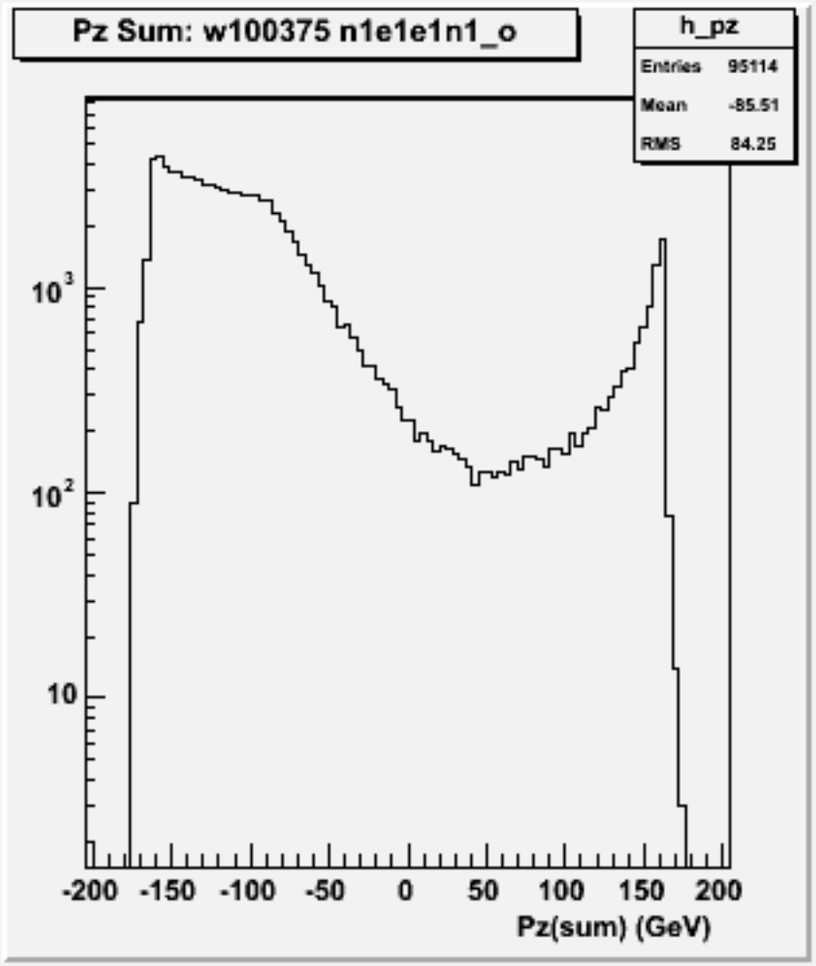

Thrust w100375 n1e1e1n1_o
h_thrust
Entries 95114
Mean 0.9095
RMS 0.09104
Thrust

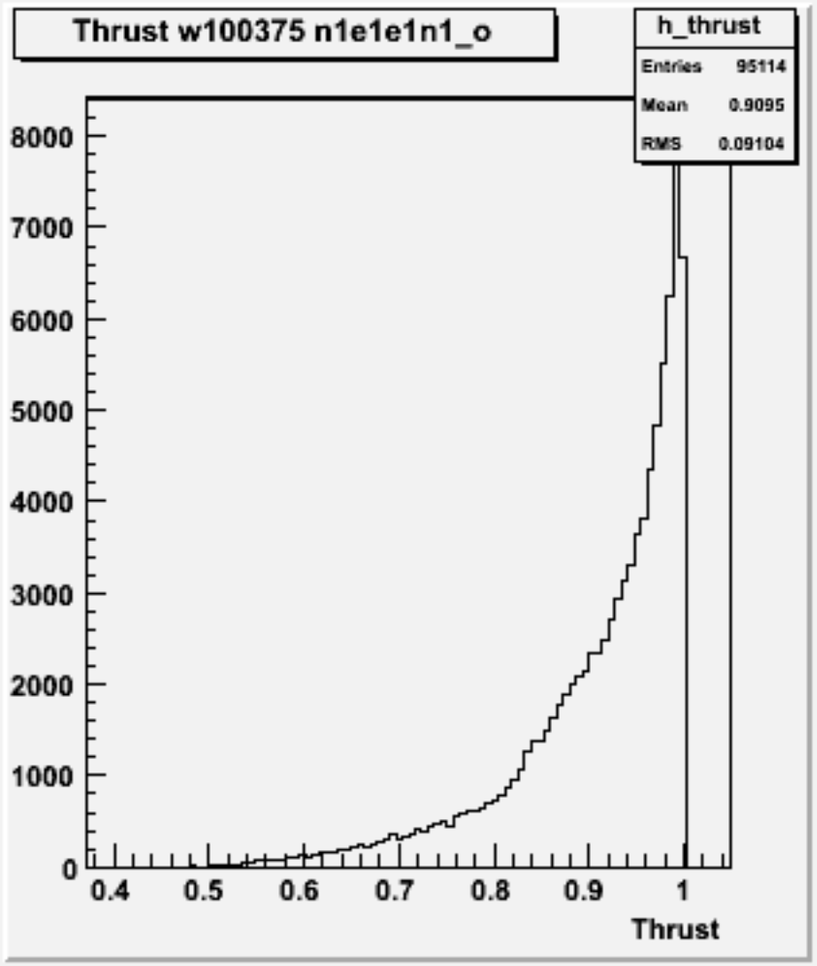

Total Energy (inc. ν): w100375 n1e1e1n1_o
h_etot
Entries 95114
Mean 347.3
RMS 6.049
Total Energy(GeV)

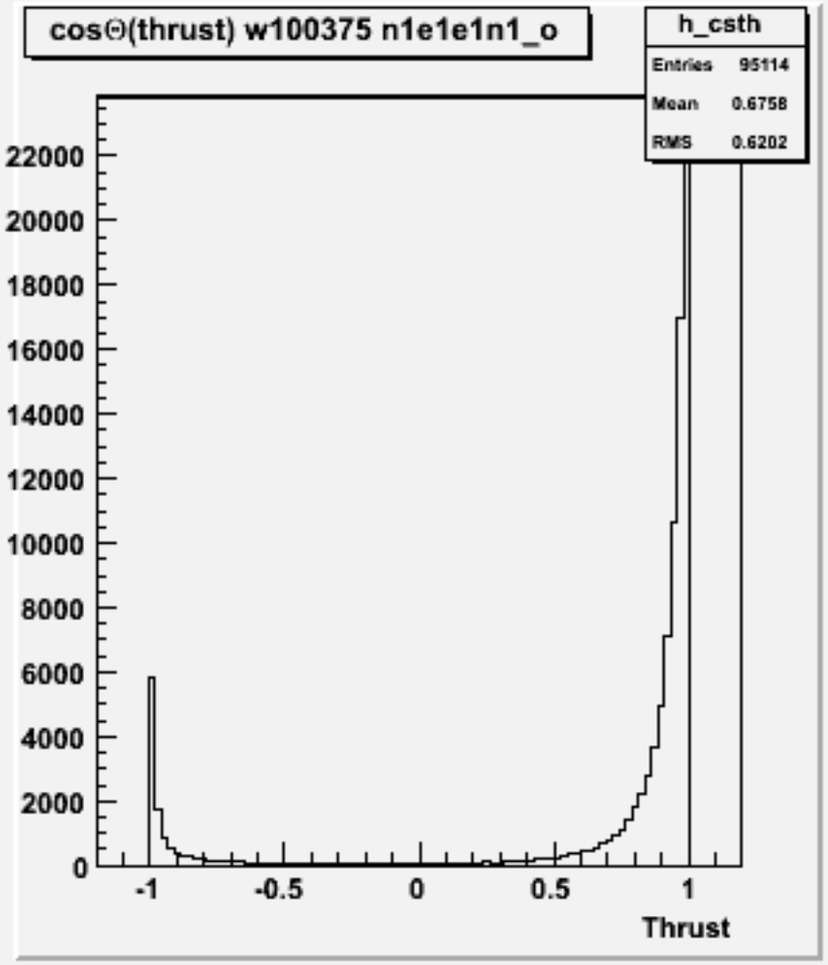

Total Energy (inc. ν): w100375 n1e1e1n1_o
h_etotc
Entries 87760
Mean 348.7
RMS 2.27
Total Energy(GeV)

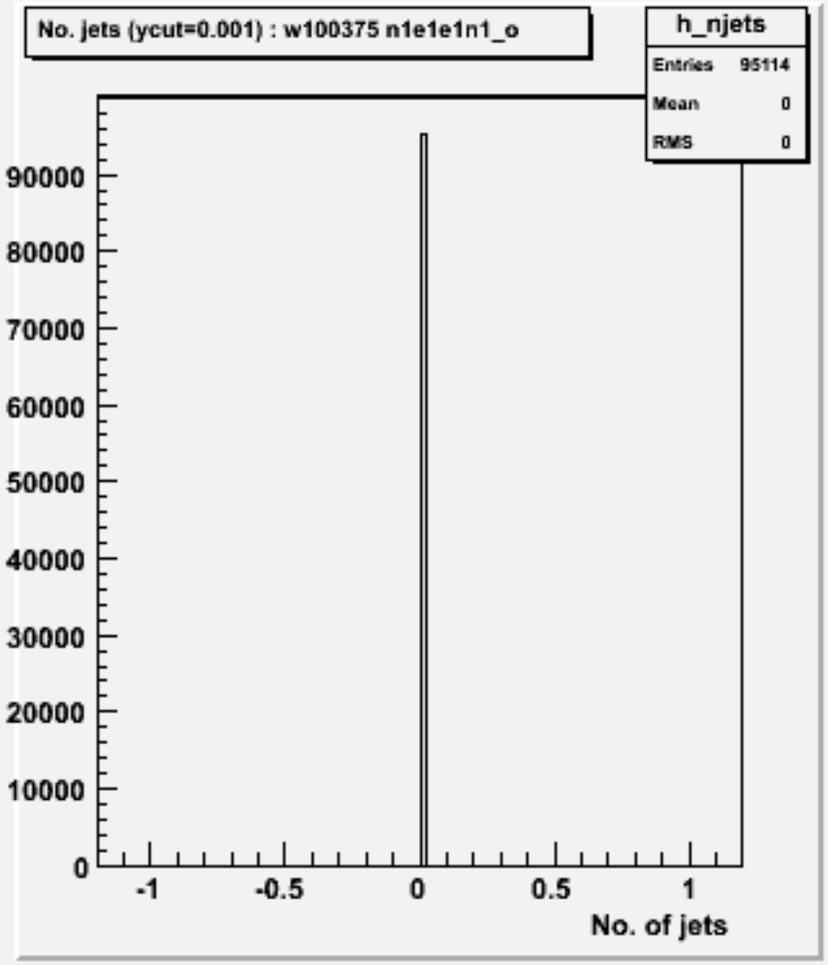

Total Energy (w/o ν): w100375 n1e1e1n1_o
h_evis
Entries 95114
Mean 174.2
RMS 34.02
Energy(GeV)


Pt Sum: w100375 n1e1e1n1_o
h_pt
Entries 95114
Mean 44.49
RMS 28.92
Pt(sum) (GeV)


Pz Sum: w100375 n1e1e1n1_o
h_pz
Entries 95114
Mean -85.51
RMS 84.25
Pz(sum) (GeV)


Thrust w100375 n1e1e1n1_o
h_thrust
Entries 95114
Mean 0.9095
RMS 0.09104
Thrust

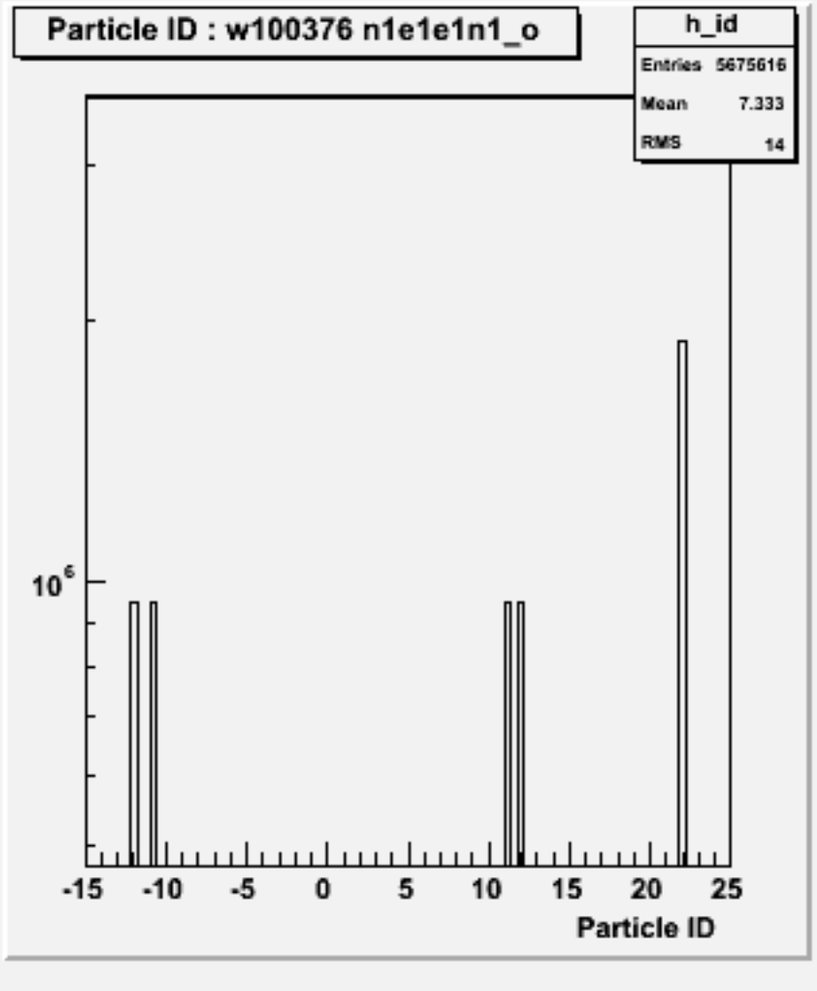


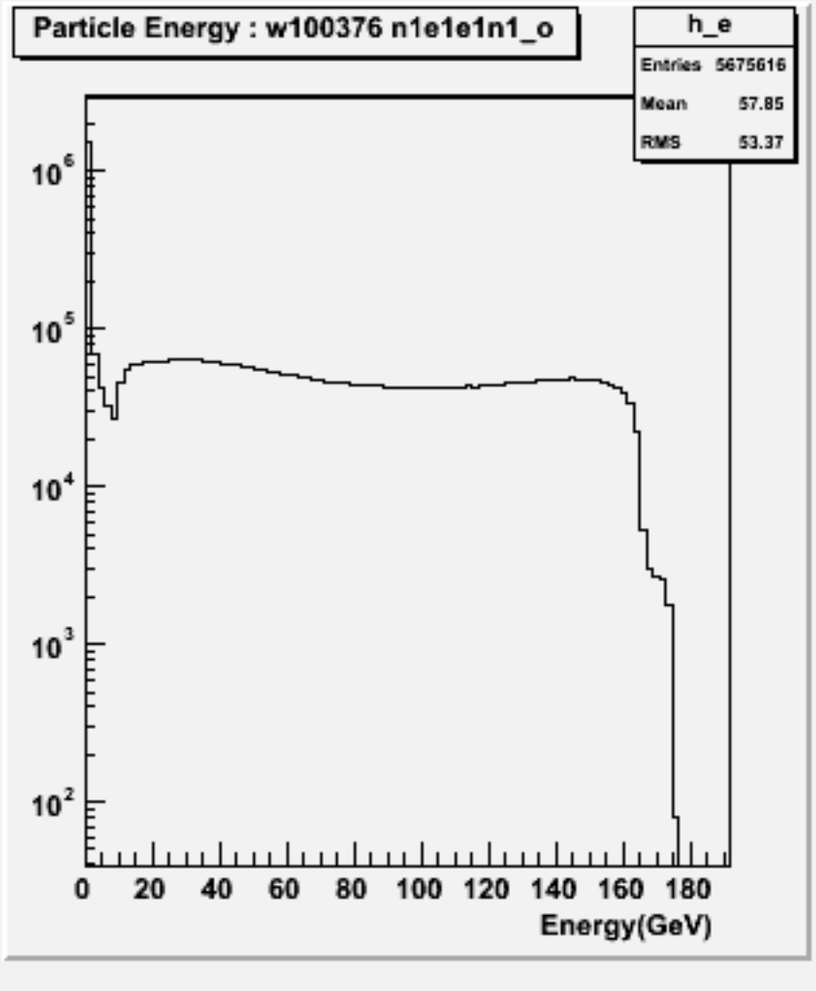


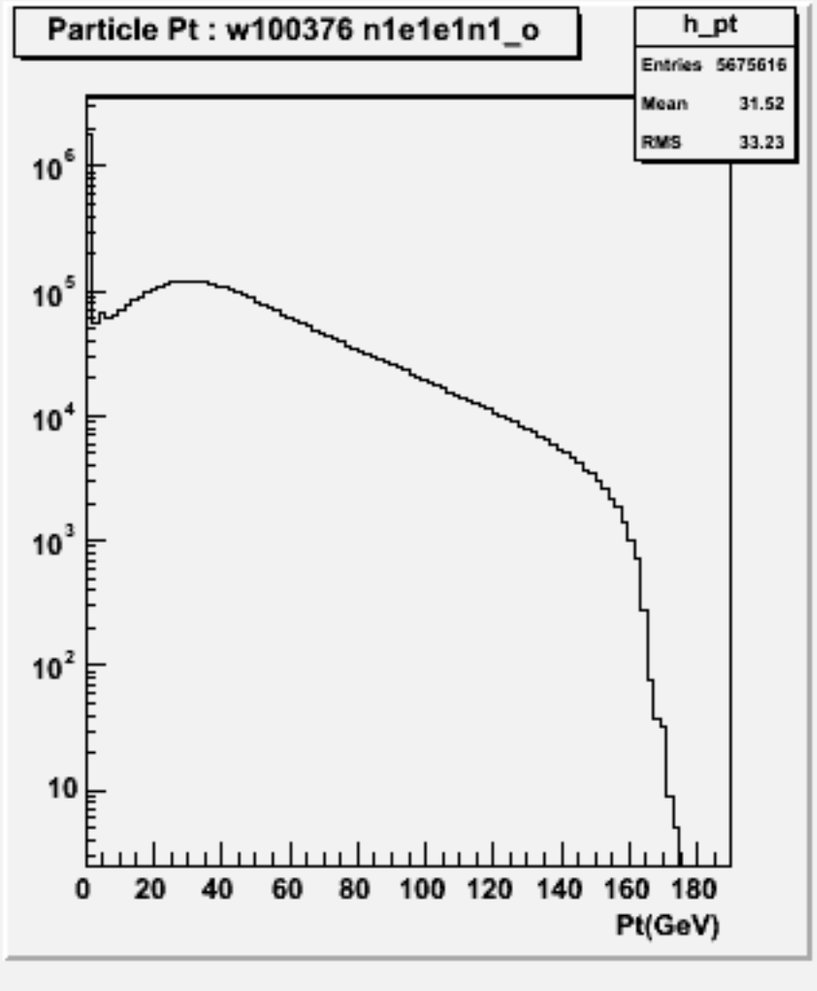
w100375 n1e1e1n1_o

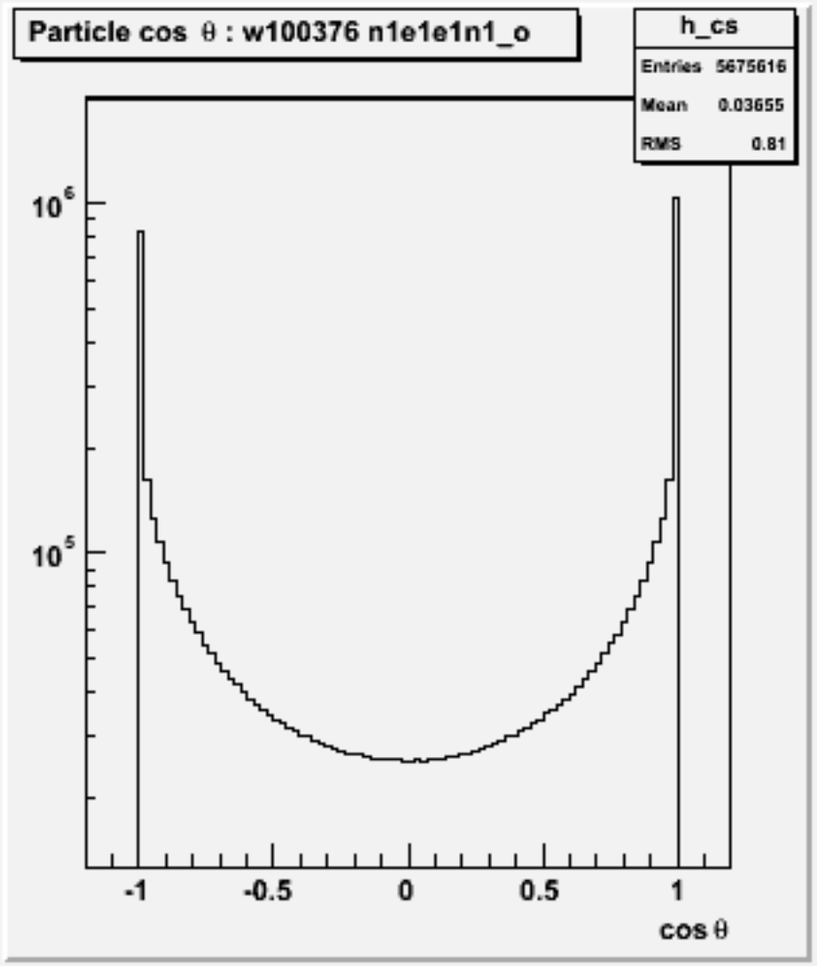
: There are no 2-jets

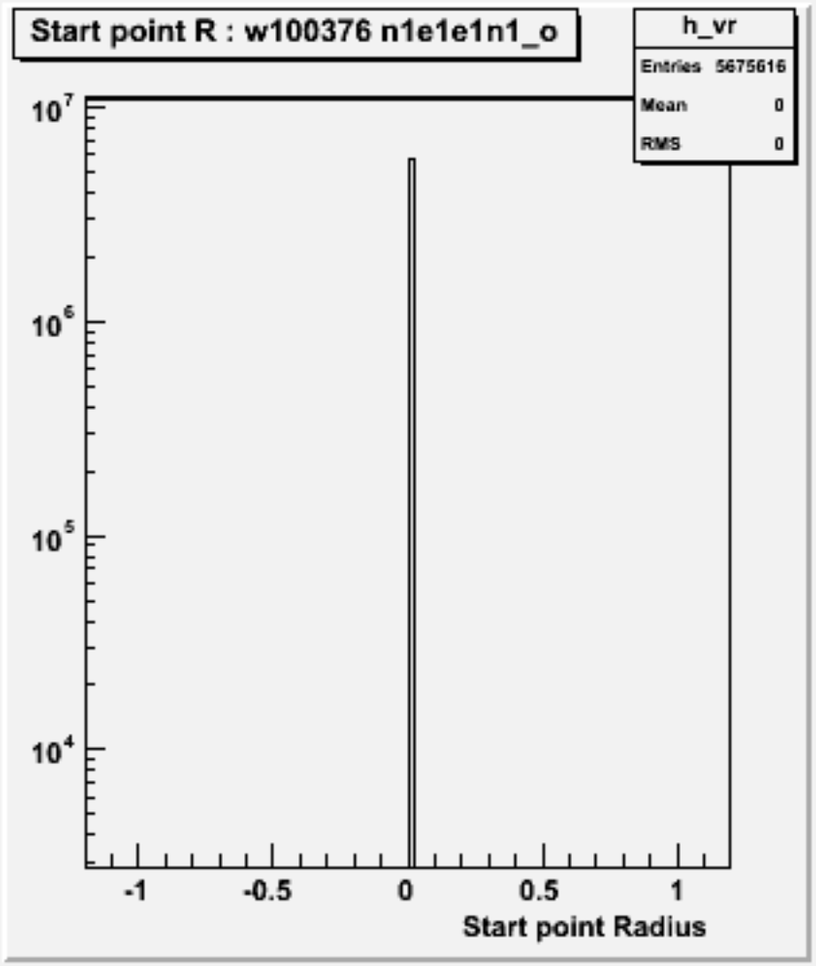
w100375 n1e1e1n1_o : There are no 4-jets

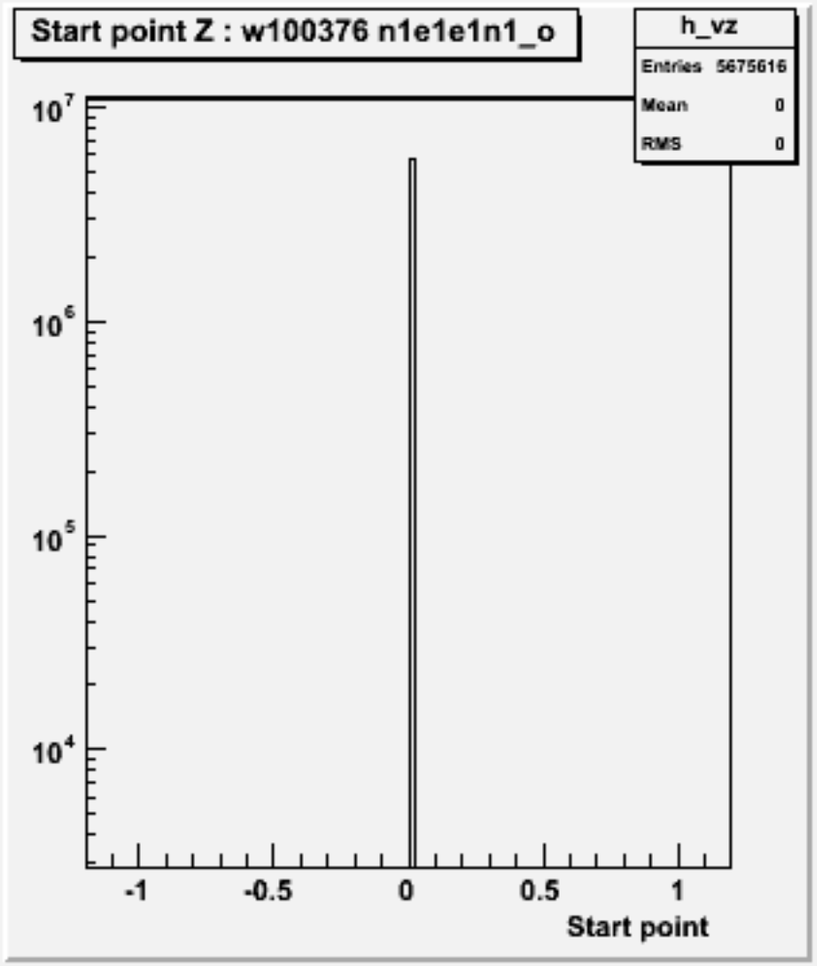

Particle ID : w100376 n1e1e1n1_o
h_id
Entries 5675616
Mean 7.333
RMS 14
10^6
-15 -10 -5 0 5 10 15 20 25
Particle ID

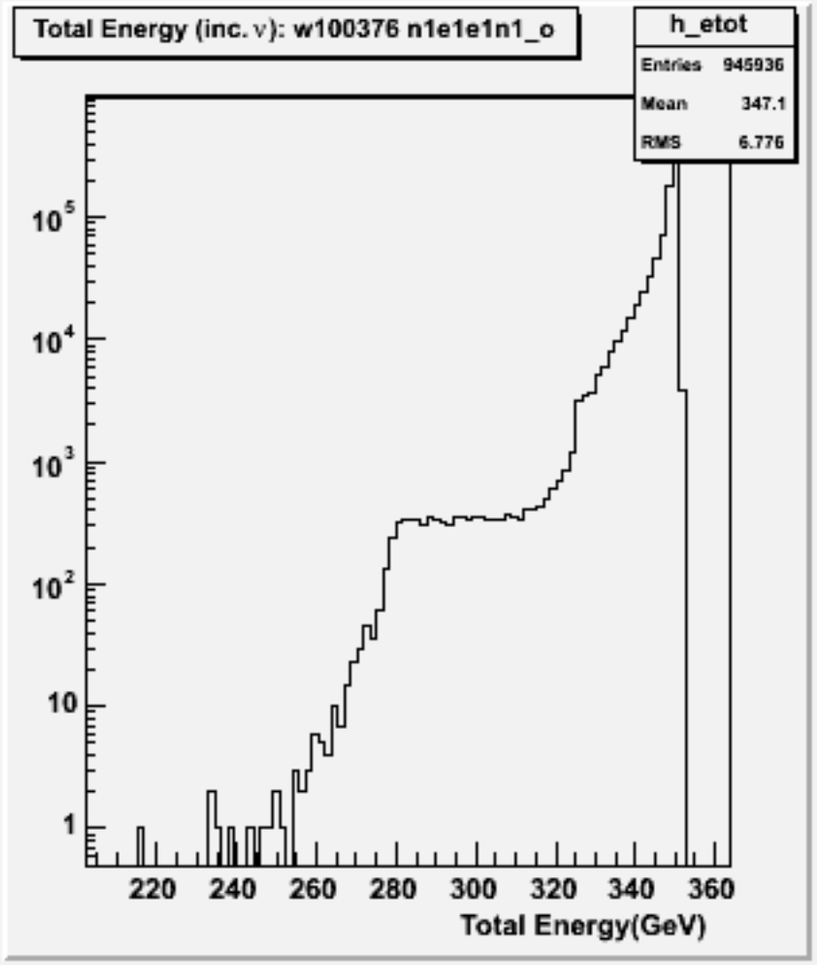

Particle Energy : w100376 n1e1e1n1_o
h_e
Entries 5675616
Mean 57.85
RMS 53.37
10^6
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

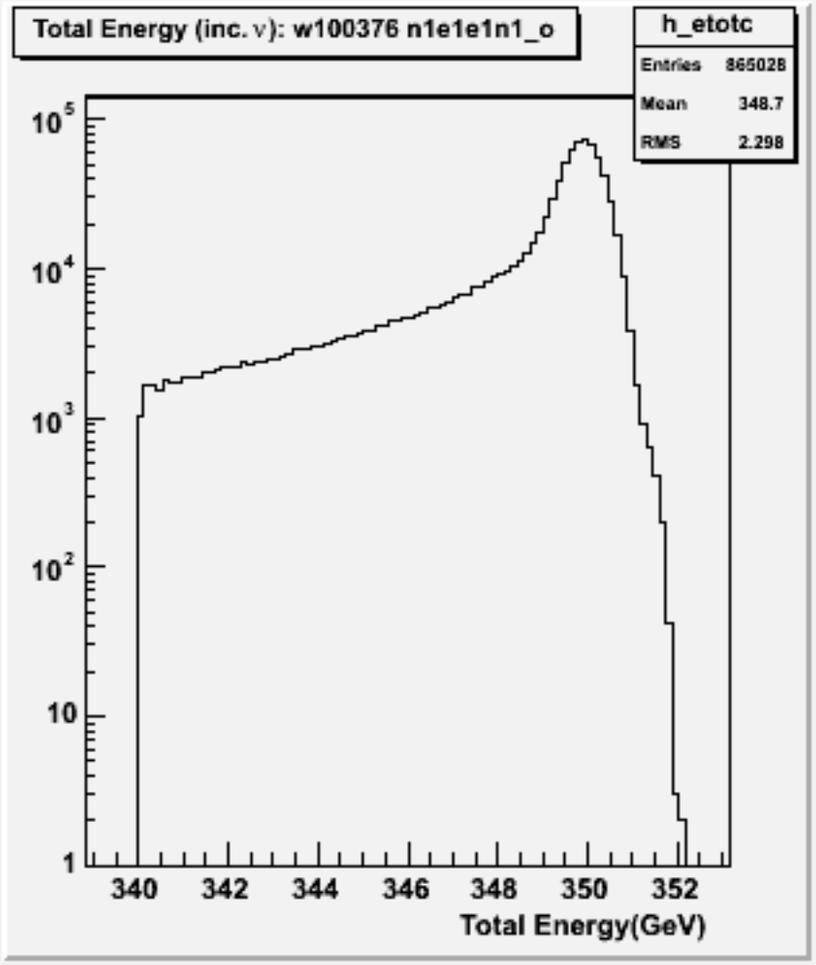

Particle Pt : w100376 n1e1e1n1_o
h_pt
Entries 5675616
Mean 31.52
RMS 33.23
10^6
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

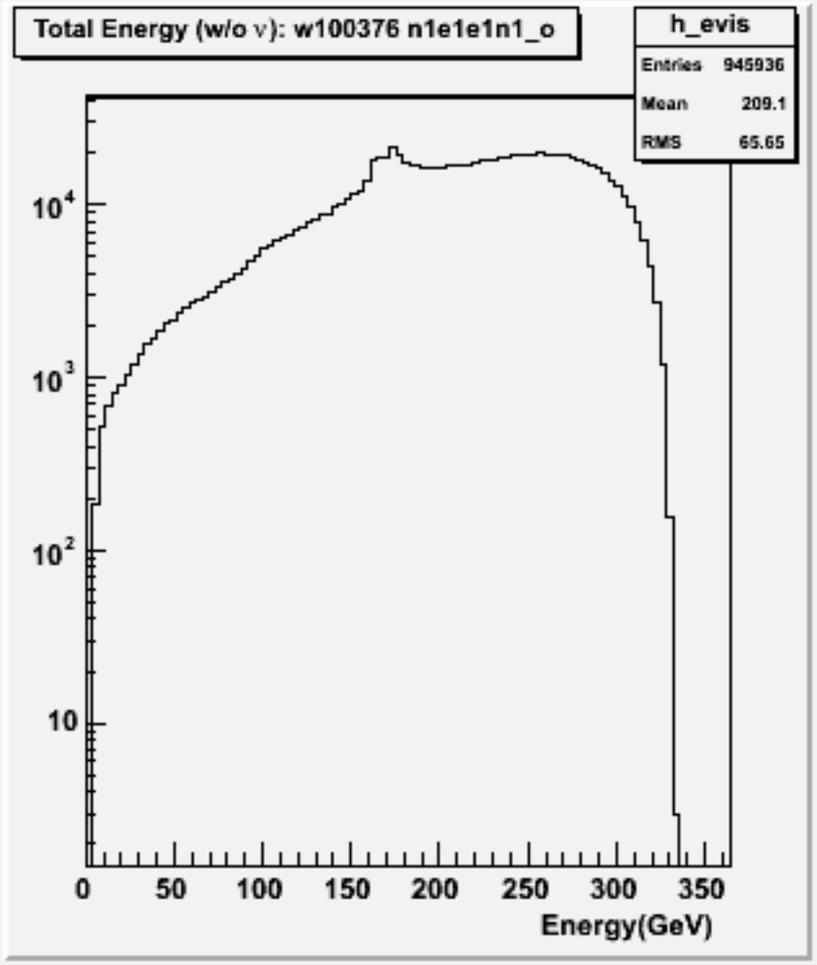

Particle cos θ : w100376 n1e1e1n1_o
h_cs
Entries 5675616
Mean 0.03655
RMS 0.81
10^6
10^5
-1 -0.5 0 0.5 1
cos θ

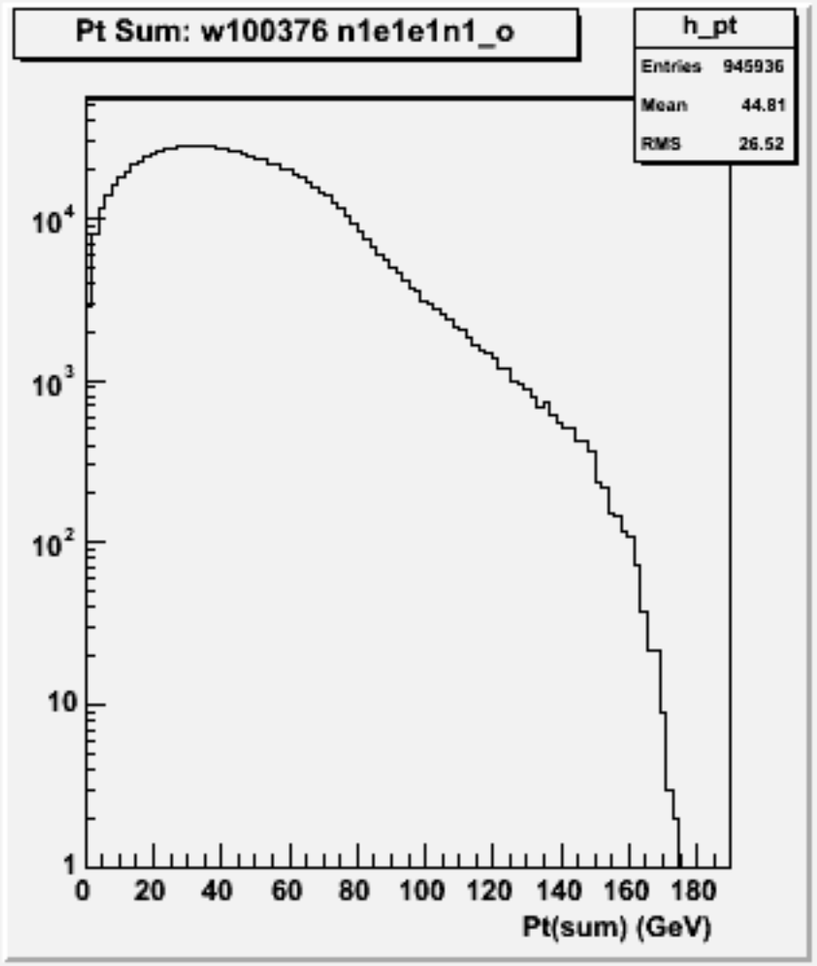

Start point R : w100376 n1e1e1n1_o
h_vr
Entries 5675616
Mean 0
RMS 0
10^7
10^6
10^5
10^4
-1 -0.5 0 0.5 1
Start point Radius

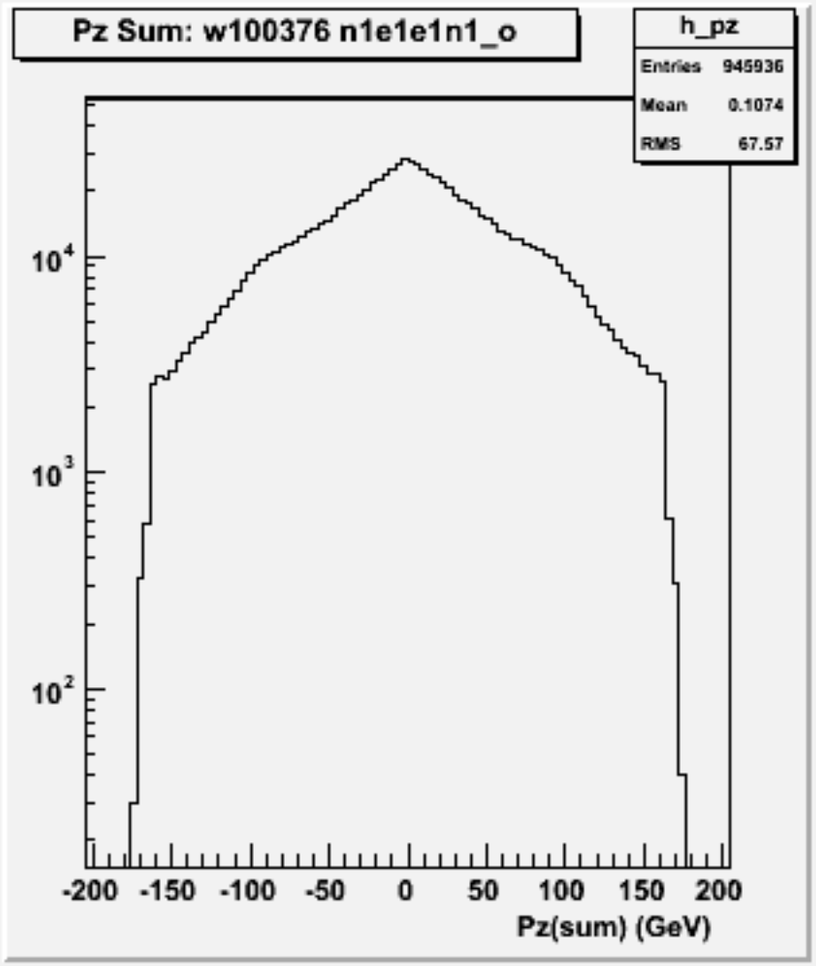

Start point Z : w100376 n1e1e1n1_o
h_vz
Entries 5675616
Mean 0
RMS 0
10^7
10^6
10^5
10^4
-1 -0.5 0 0.5 1
Start point

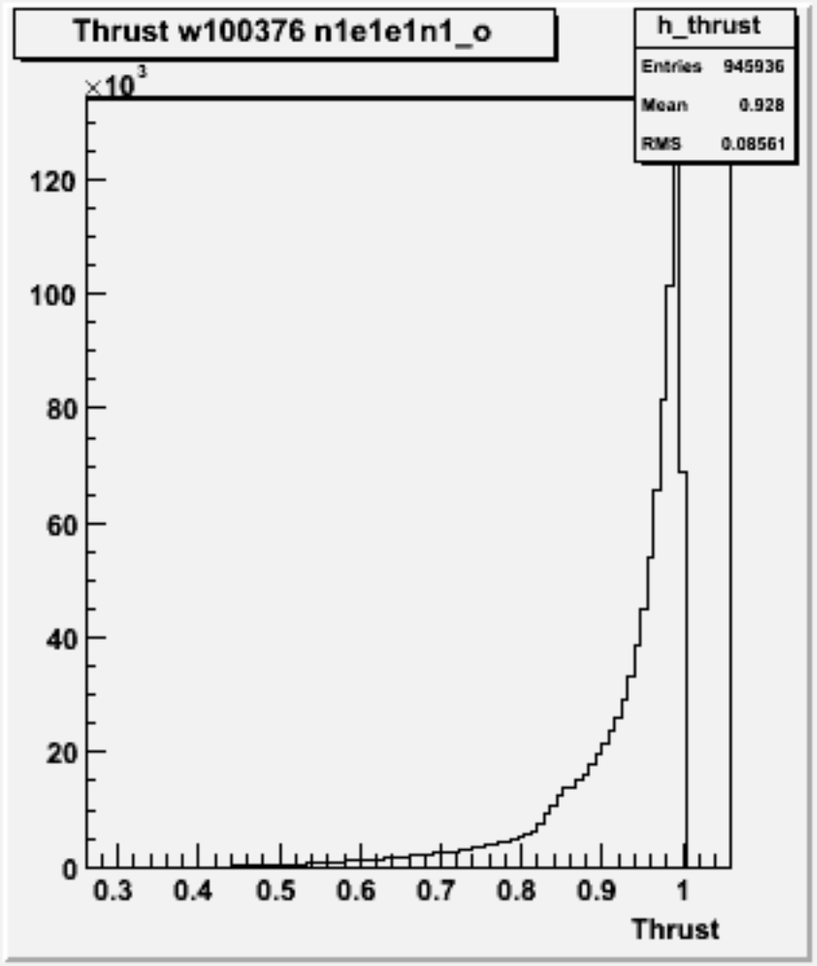

Total Energy (inc. ν): w100376 n1e1e1n1_o
h_etot
Entries 945936
Mean 347.1
RMS 6.776
Total Energy(GeV)

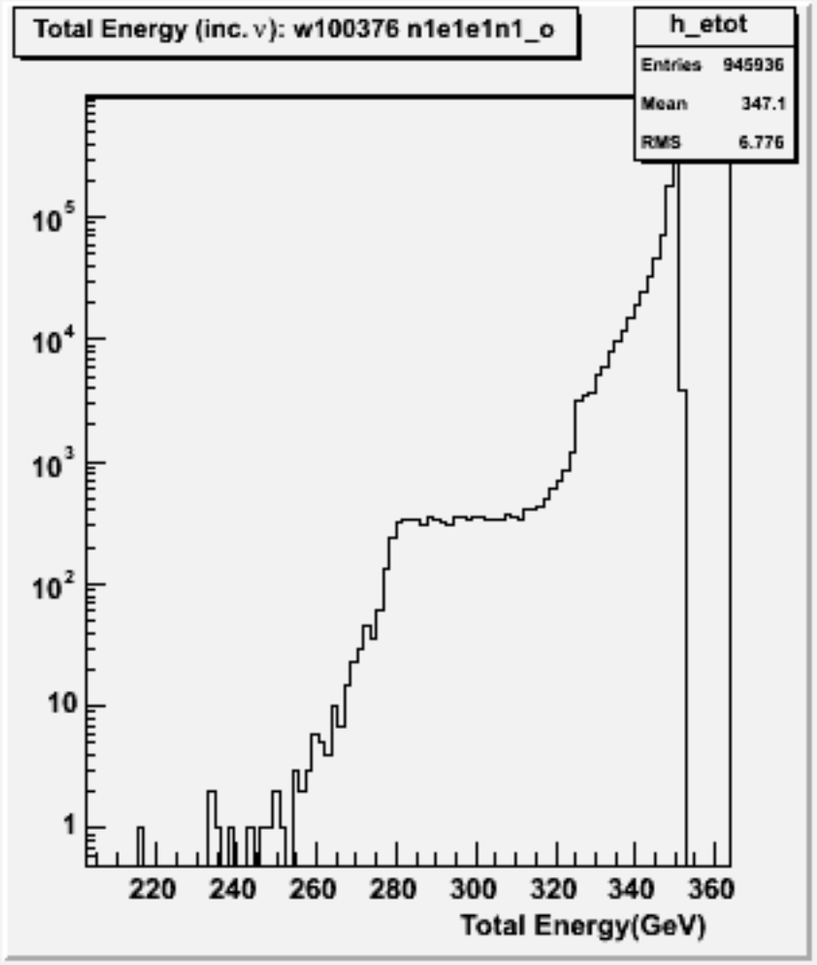

Total Energy (inc. ν): w100376 n1e1e1n1_o
h_etotc
Entries 865028
Mean 348.7
RMS 2.298
Total Energy(GeV)

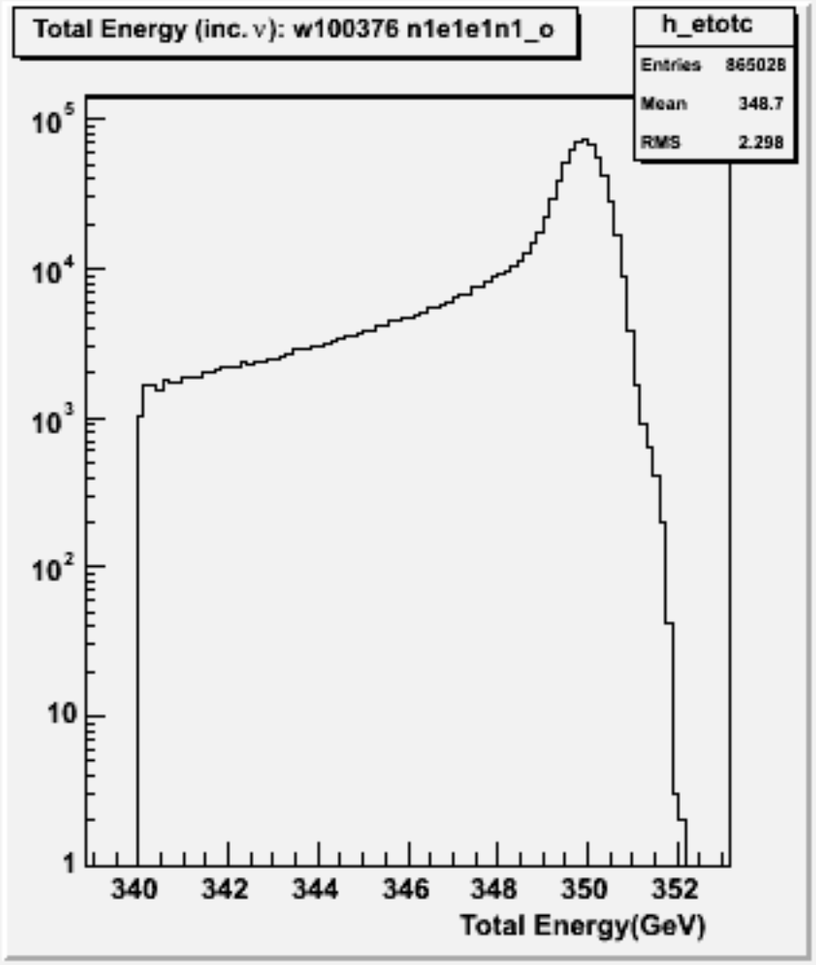

Total Energy (w/o ν): w100376 n1e1e1n1_o
h_evis
Entries 945936
Mean 209.1
RMS 65.65
Energy(GeV)

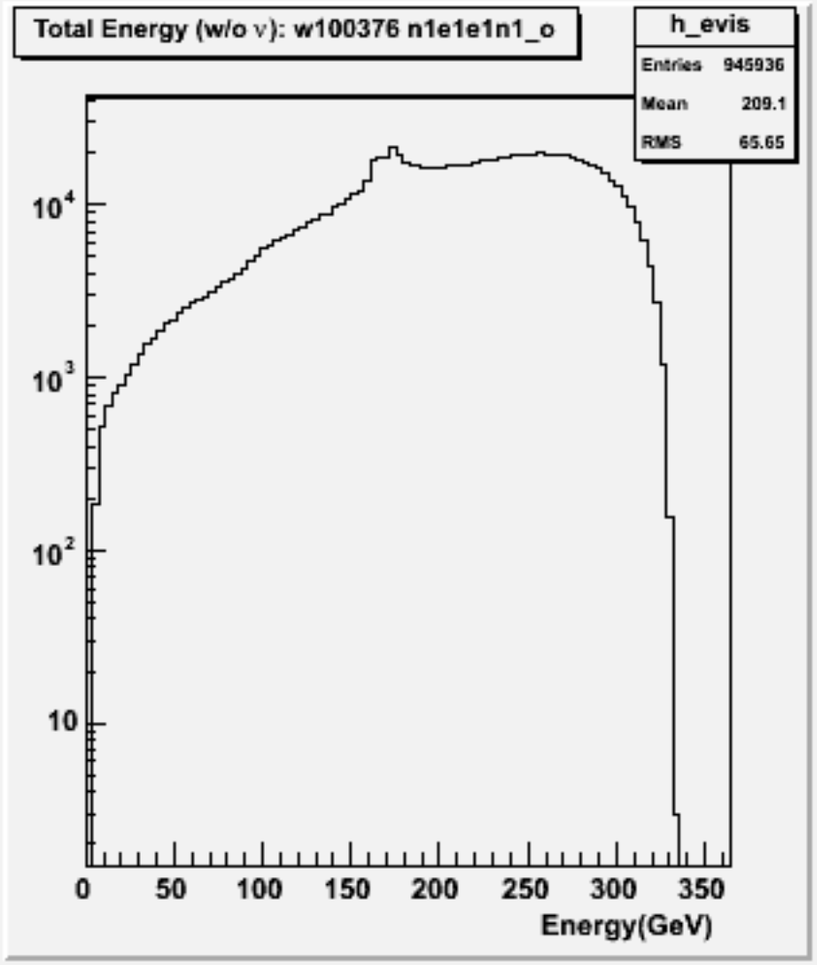

Pt Sum: w100376 n1e1e1n1_o
h_pt
Entries 945936
Mean 44.81
RMS 26.52
Pt(sum) (GeV)

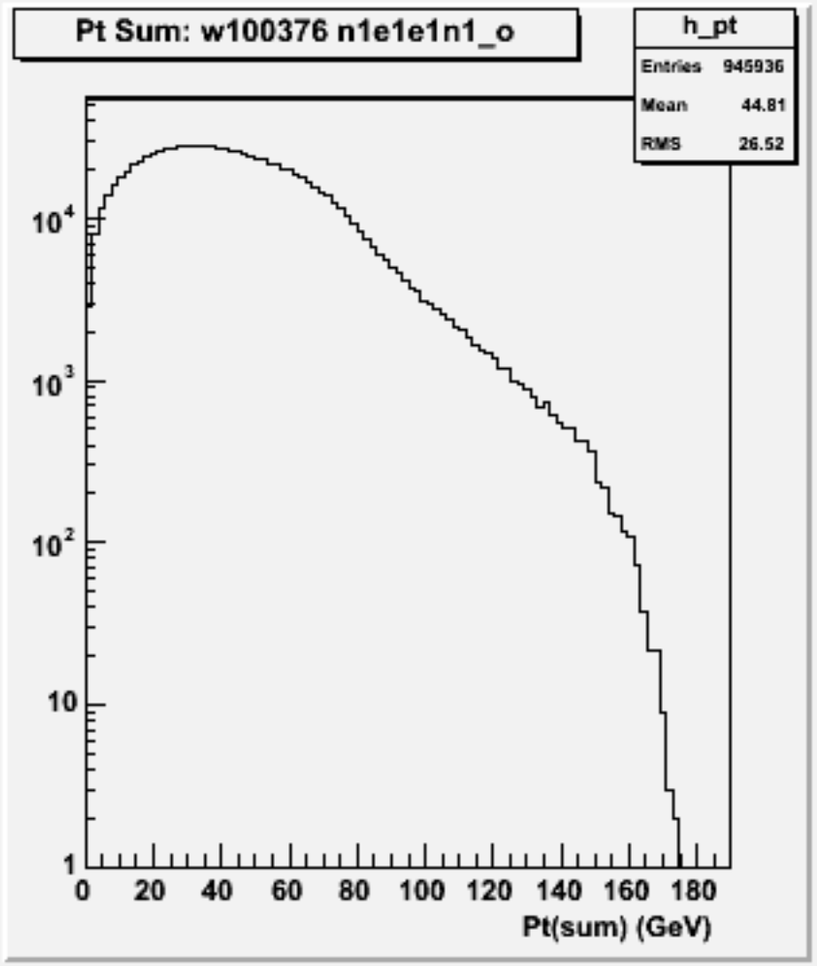

Pz Sum: w100376 n1e1e1n1_o
h_pz
Entries 945936
Mean 0.1074
RMS 67.57
Pz(sum) (GeV)

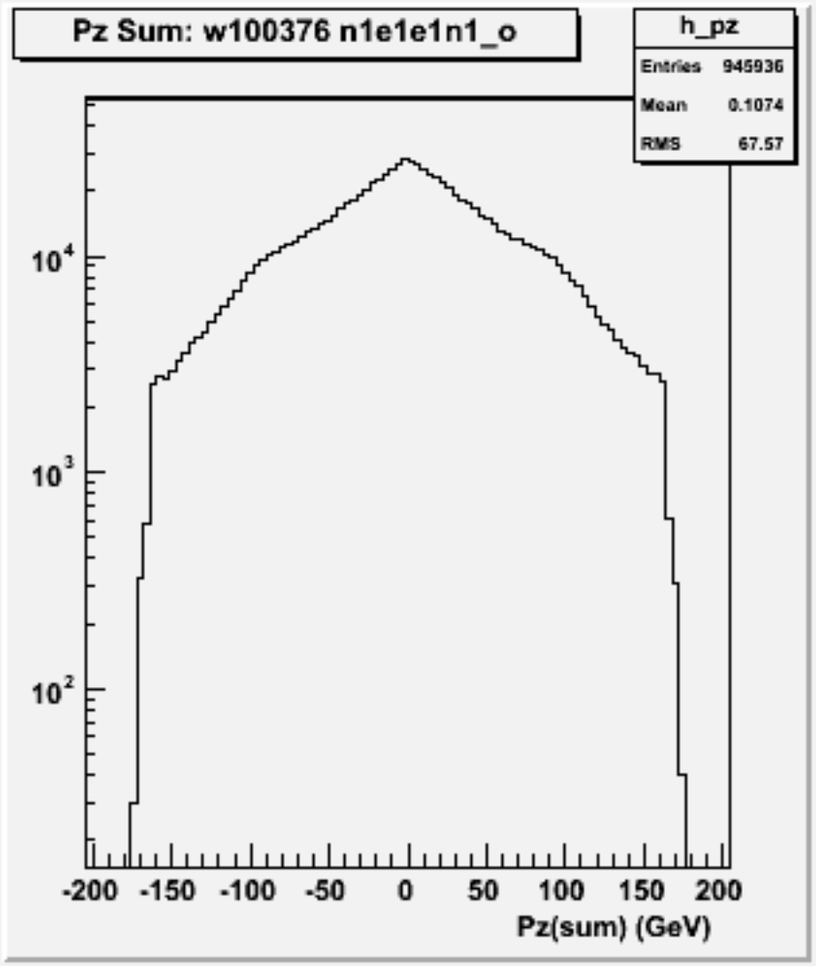

Thrust w100376 n1e1e1n1_o
h_thrust
Entries 945936
Mean 0.928
RMS 0.08561
Thrust

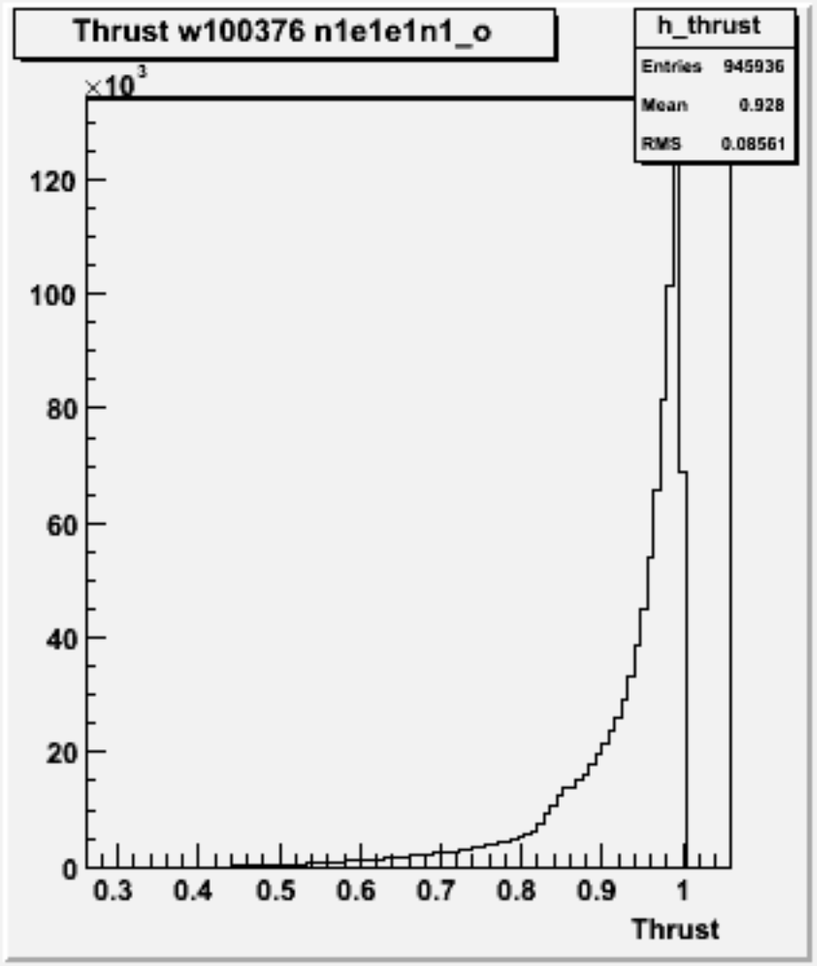

Total Energy (inc. ν): w100376 n1e1e1n1_o
h_etot
Entries 945936
Mean 347.1
RMS 6.776
Total Energy(GeV)

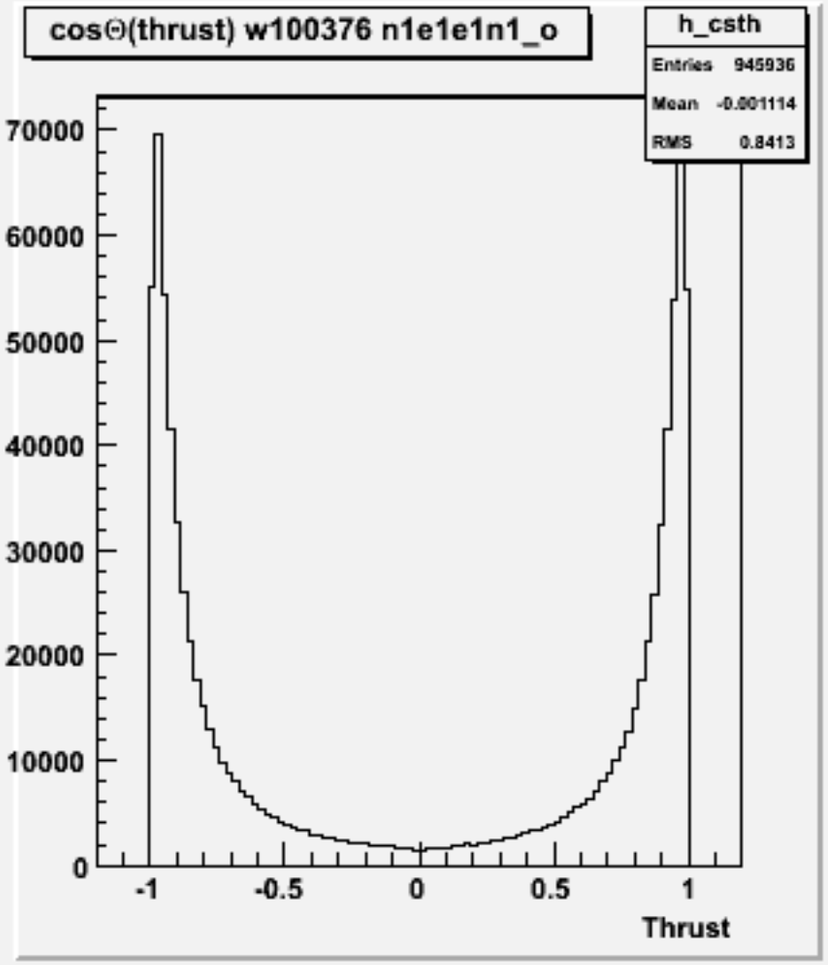

Total Energy (inc. ν): w100376 n1e1e1n1_o
h_etotc
Entries 865028
Mean 348.7
RMS 2.298
Total Energy(GeV)

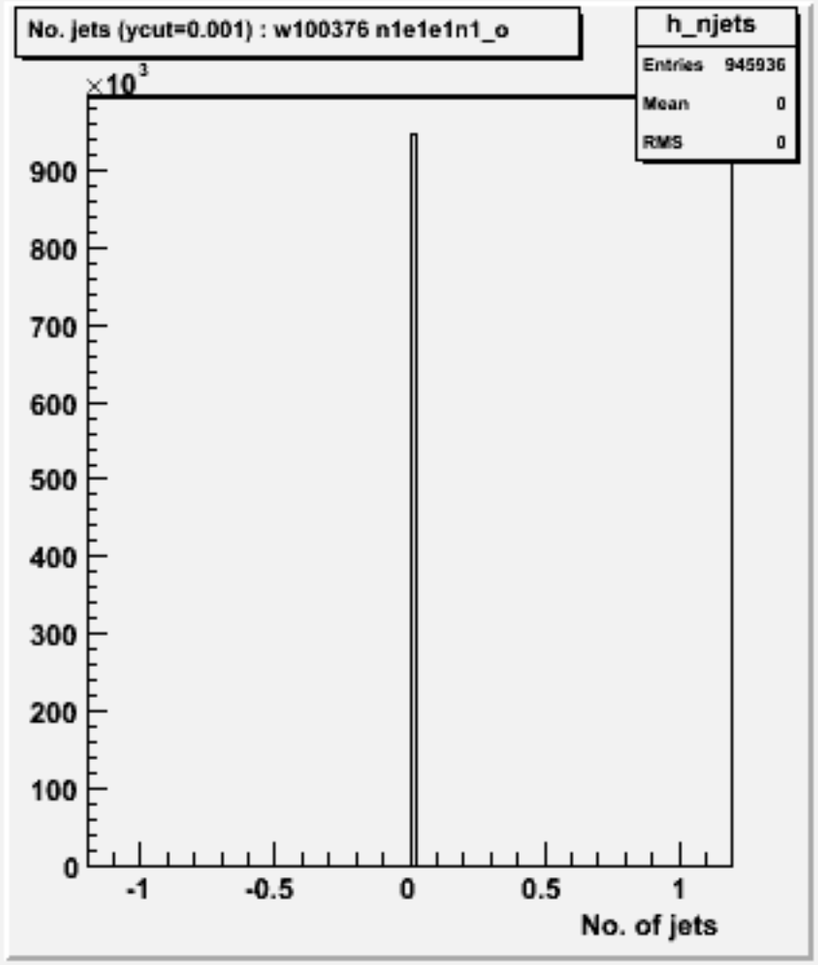

Total Energy (w/o ν): w100376 n1e1e1n1_o
h_evis
Entries 945936
Mean 209.1
RMS 65.65
Energy(GeV)


Pt Sum: w100376 n1e1e1n1_o
h_pt
Entries 945936
Mean 44.81
RMS 26.52
Pt(sum) (GeV)


Pz Sum: w100376 n1e1e1n1_o
h_pz
Entries 945936
Mean 0.1074
RMS 67.57
Pz(sum) (GeV)


Thrust w100376 n1e1e1n1_o
h_thrust
Entries 945936
Mean 0.928
RMS 0.08561
Thrust

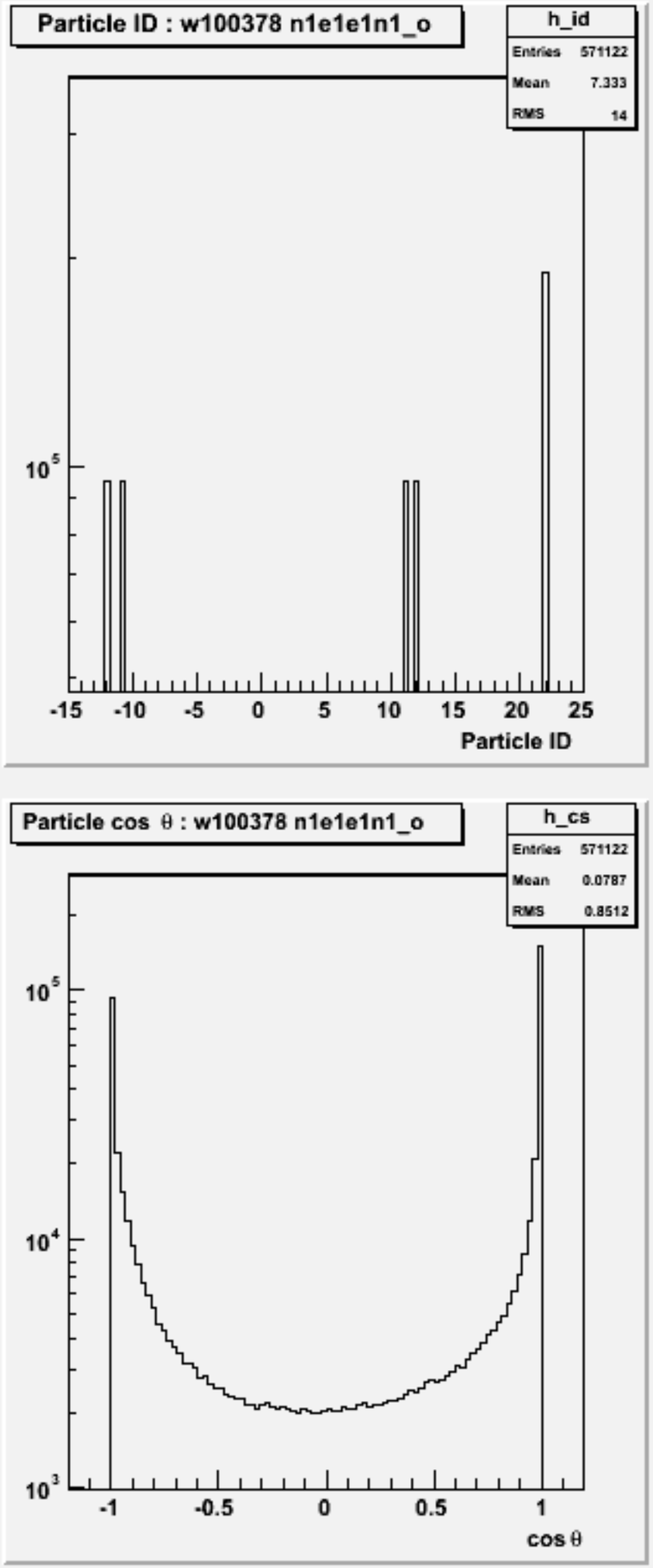


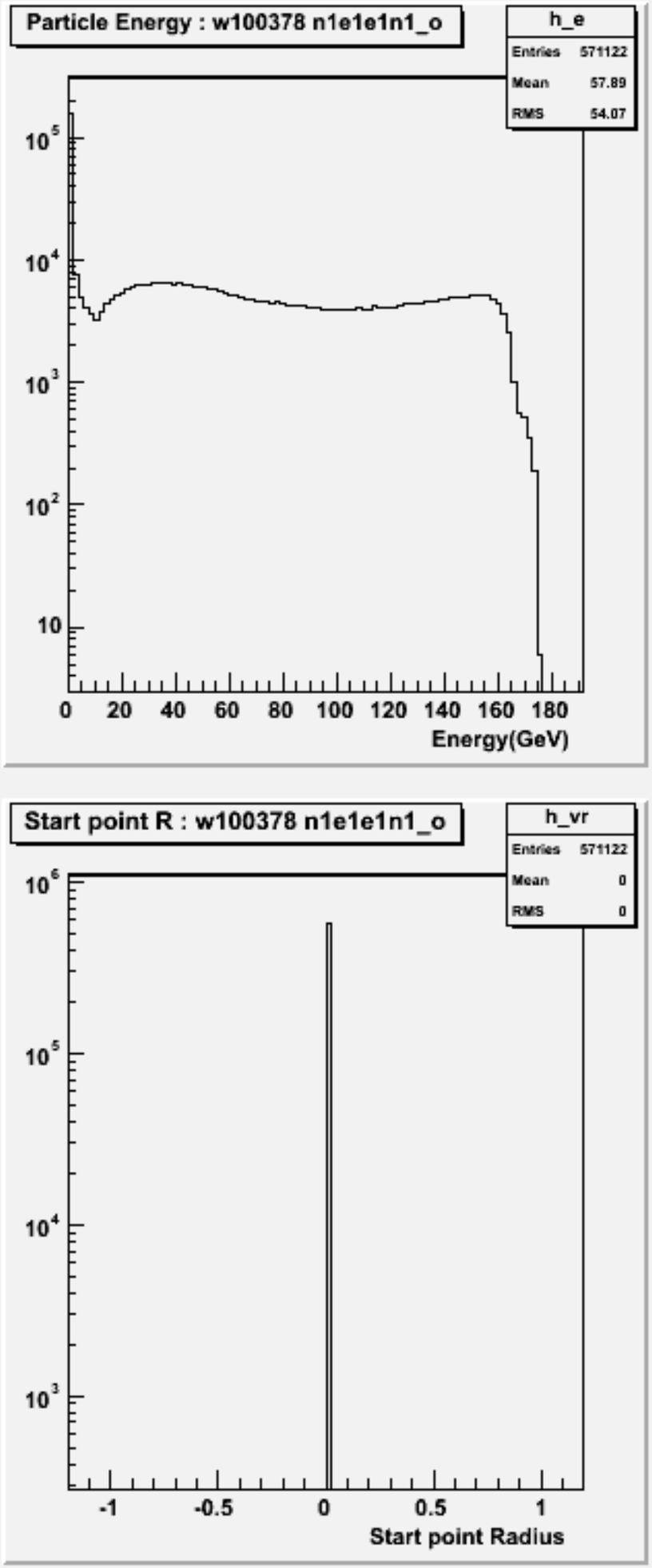


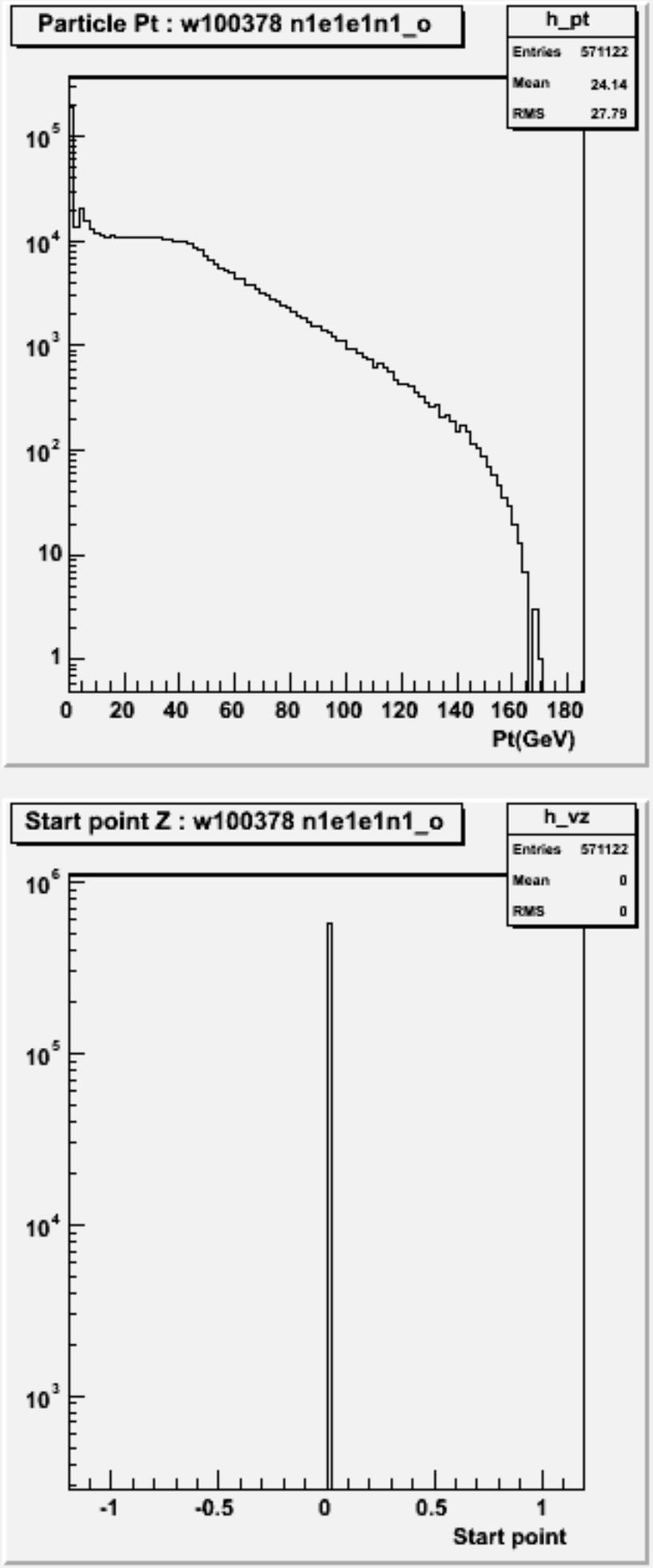
w100376 n1e1e1n1_o

: There are no 2-jets

w100376 n1e1e1n1_o : There are no 4-jets


Particle ID : w100378 n1e1e1n1_o
h_id
Entries 571122
Mean 7.333
RMS 14
10^5
-15 -10 -5 0 5 10 15 20 25
Particle ID

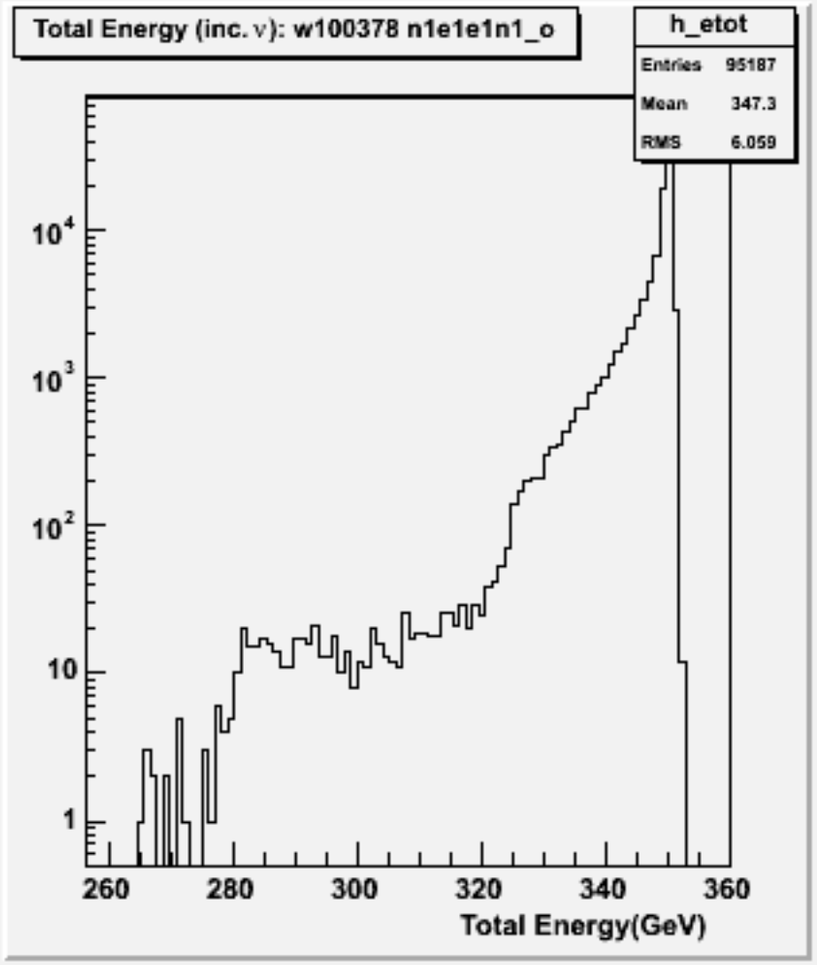

Particle Energy : w100378 n1e1e1n1_o
h_e
Entries 571122
Mean 57.89
RMS 54.07
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

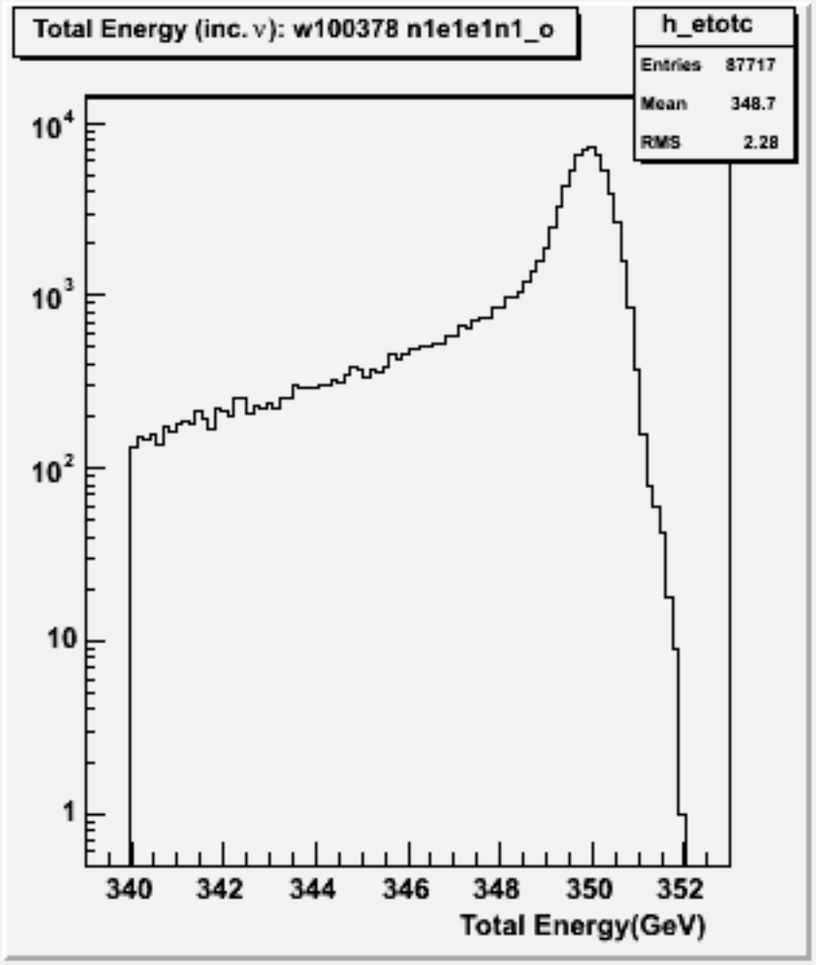

Particle Pt : w100378 n1e1e1n1_o
h_pt
Entries 571122
Mean 24.14
RMS 27.79
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

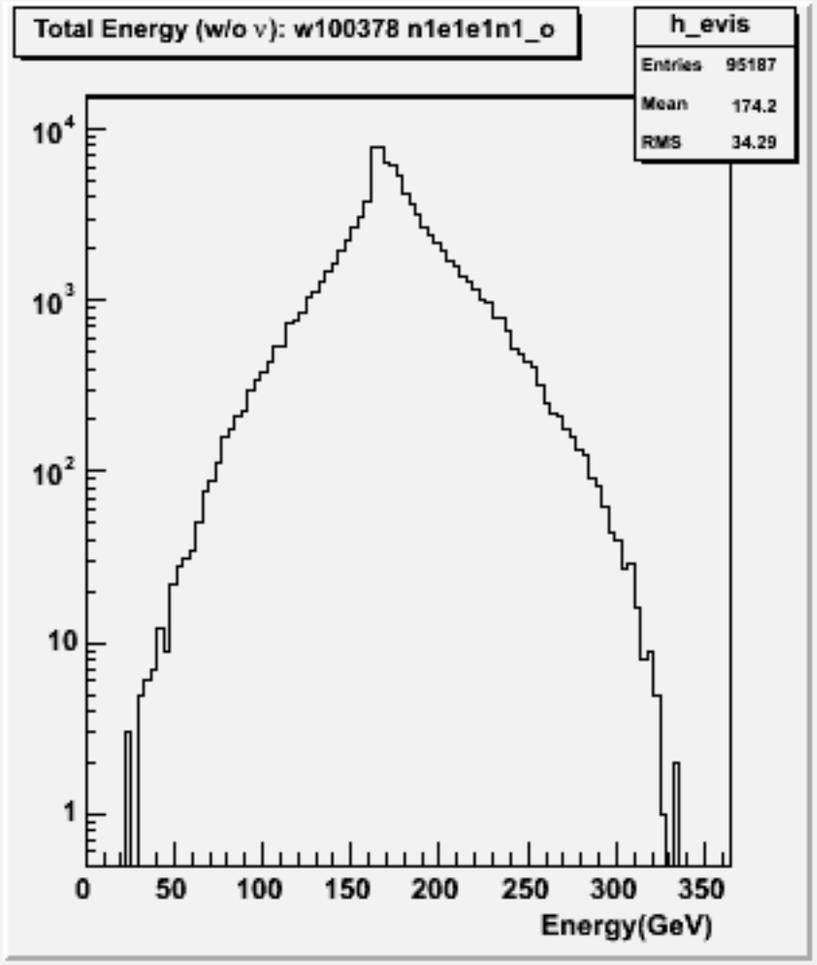
Particle cos θ : w100378 n1e1e1n1_o
h_cs
Entries 571122
Mean 0.0787
RMS 0.8512
10^5
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

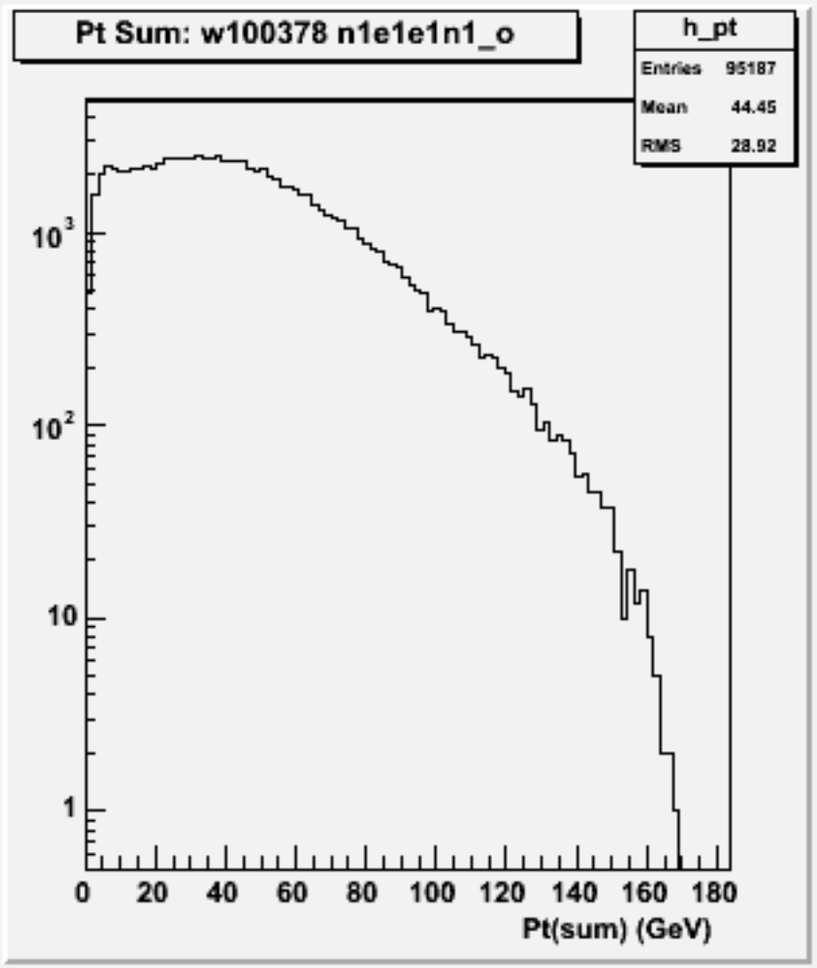
Start point R : w100378 n1e1e1n1_o
h_vr
Entries 571122
Mean 0
RMS 0
10^6
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point Radius

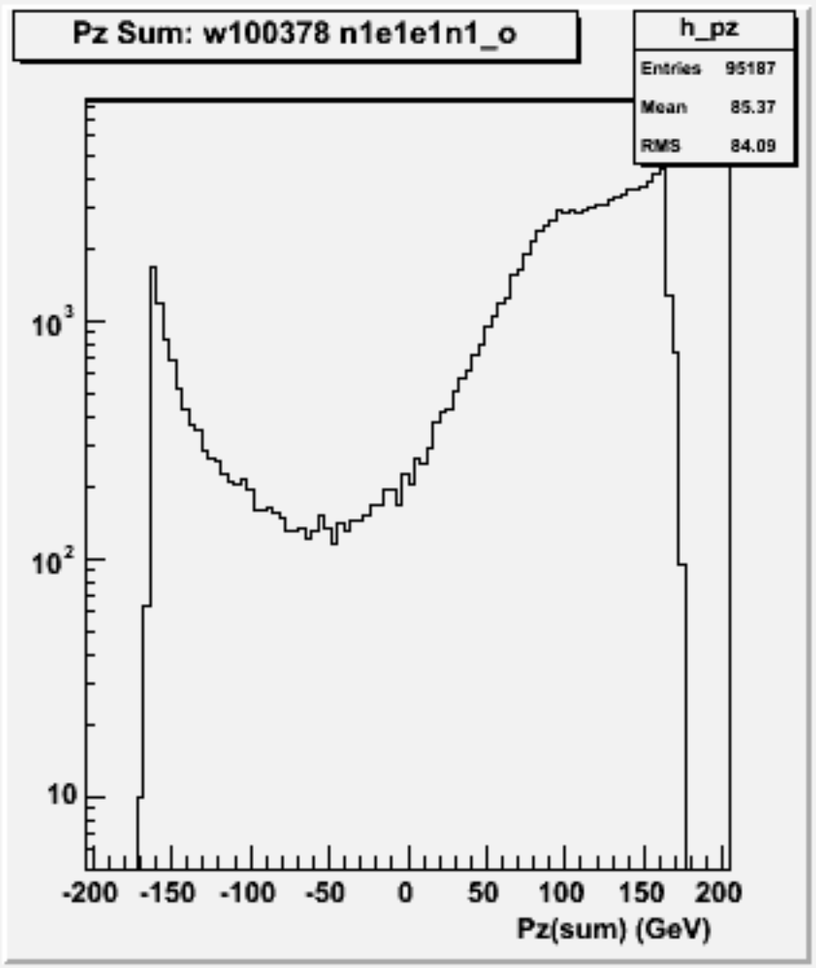
Start point Z : w100378 n1e1e1n1_o
h_vz
Entries 571122
Mean 0
RMS 0
10^6
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point

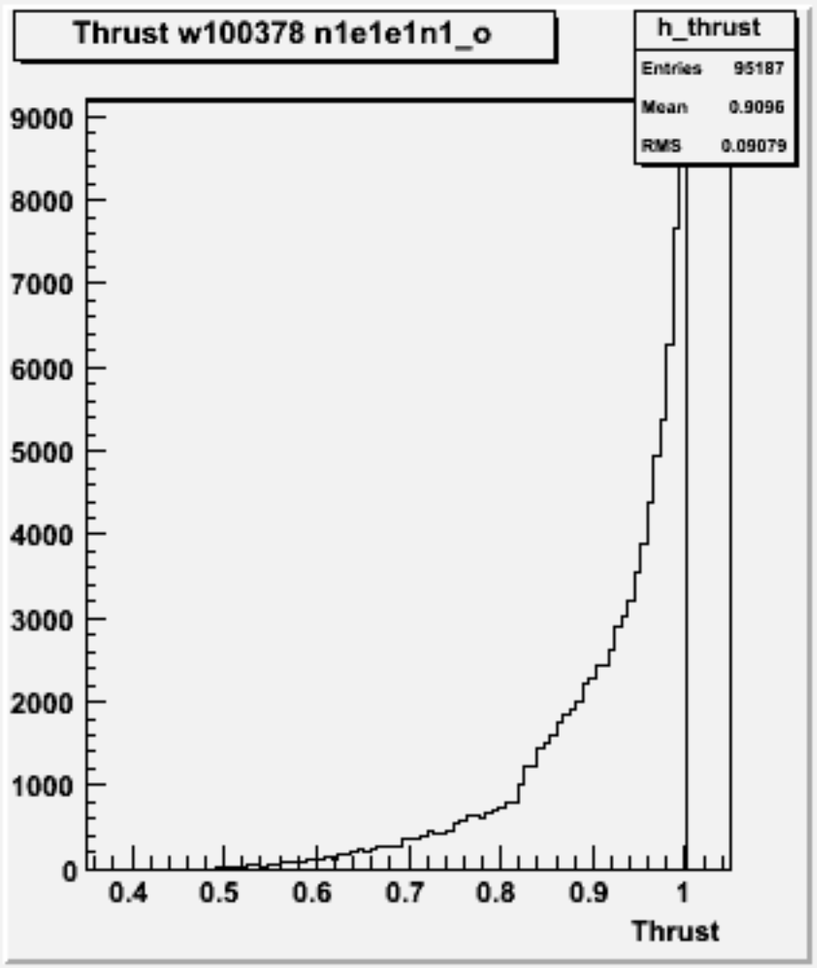

Total Energy (inc. ν): w100378 n1e1e1n1_o
h_etot
Entries 95187
Mean 347.3
RMS 6.059
Total Energy(GeV)

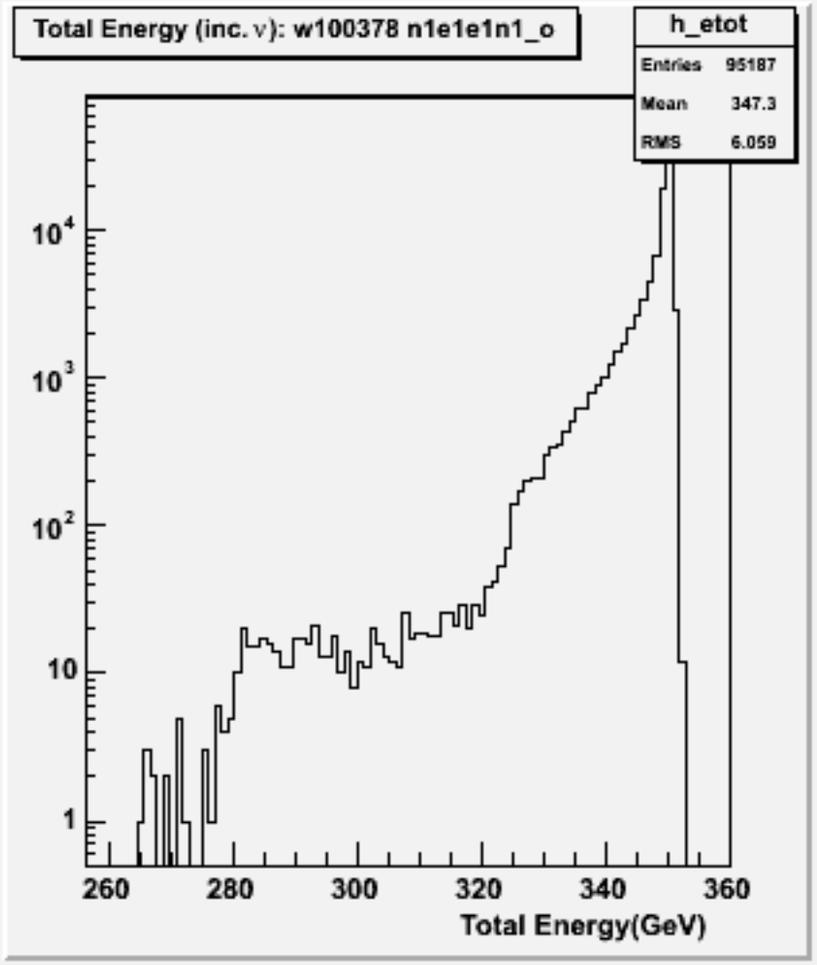

Total Energy (inc. ν): w100378 n1e1e1n1_o
h_etotc
Entries 87717
Mean 348.7
RMS 2.28
Total Energy(GeV)

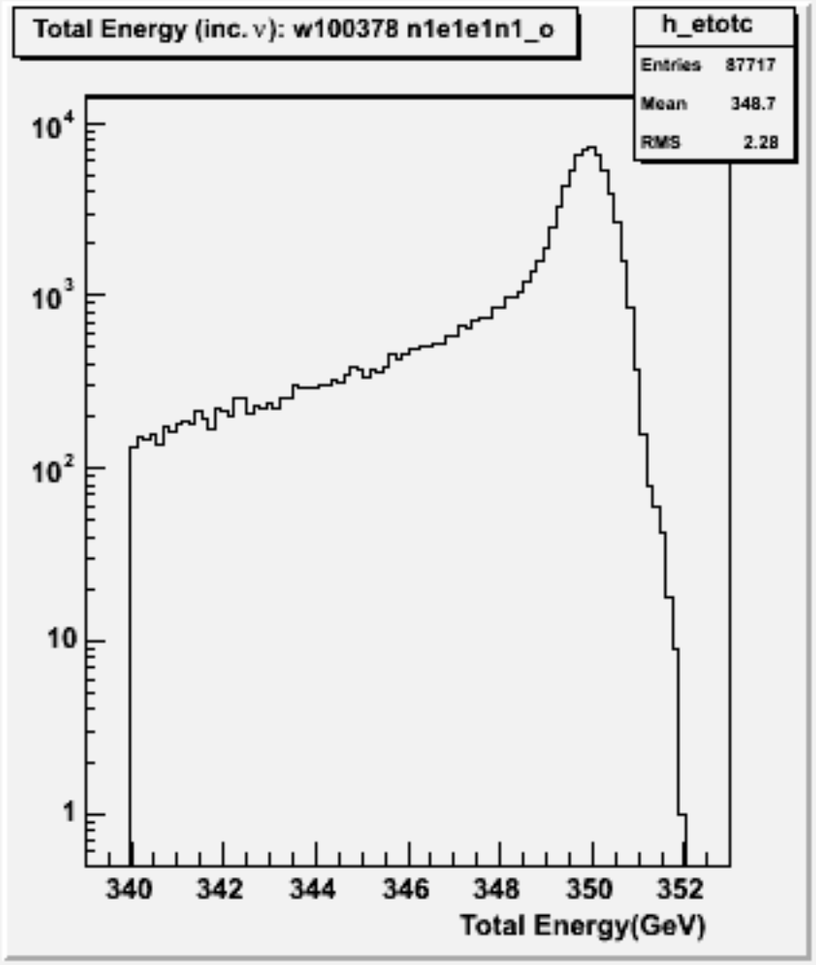

Total Energy (w/o ν): w100378 n1e1e1n1_o
h_evis
Entries 95187
Mean 174.2
RMS 34.29
Energy(GeV)

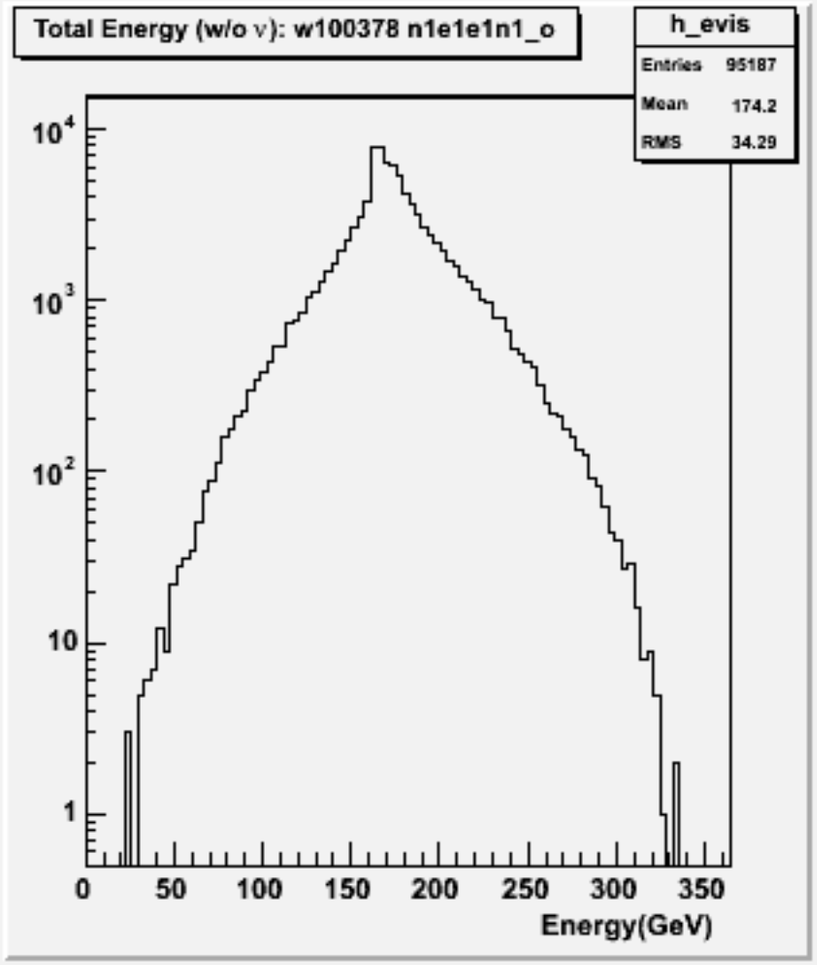

Pt Sum: w100378 n1e1e1n1_o
h_pt
Entries 95187
Mean 44.45
RMS 28.92
Pt(sum) (GeV)

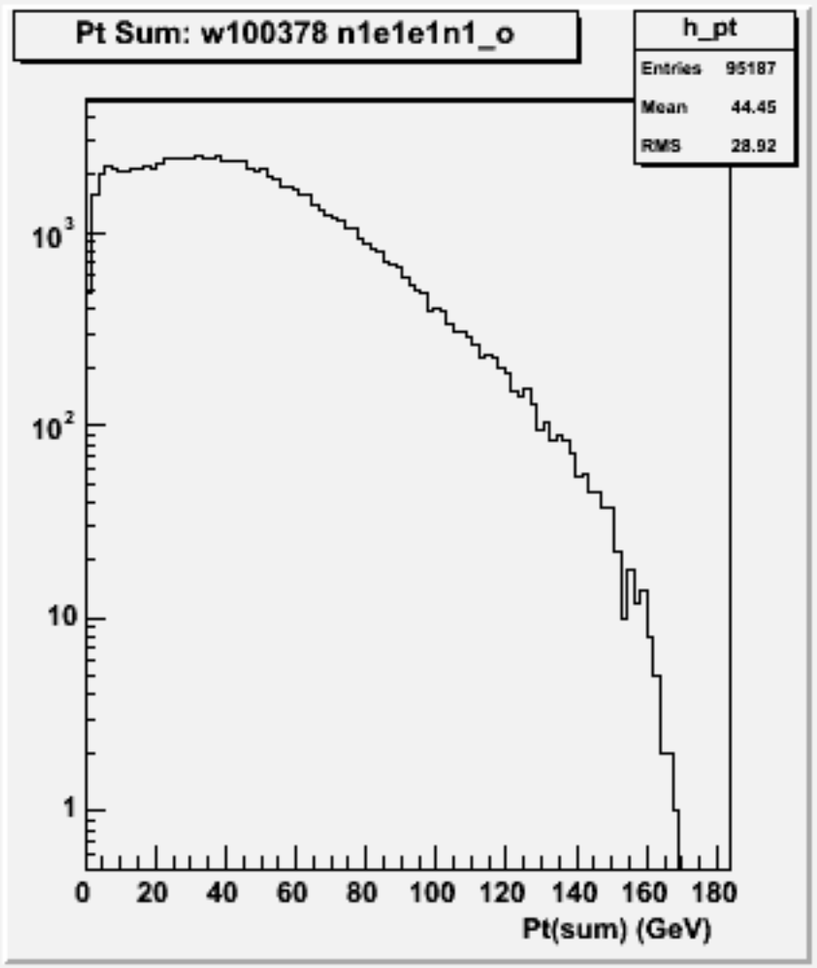

Pz Sum: w100378 n1e1e1n1_o
h_pz
Entries 95187
Mean 85.37
RMS 84.09
Pz(sum) (GeV)

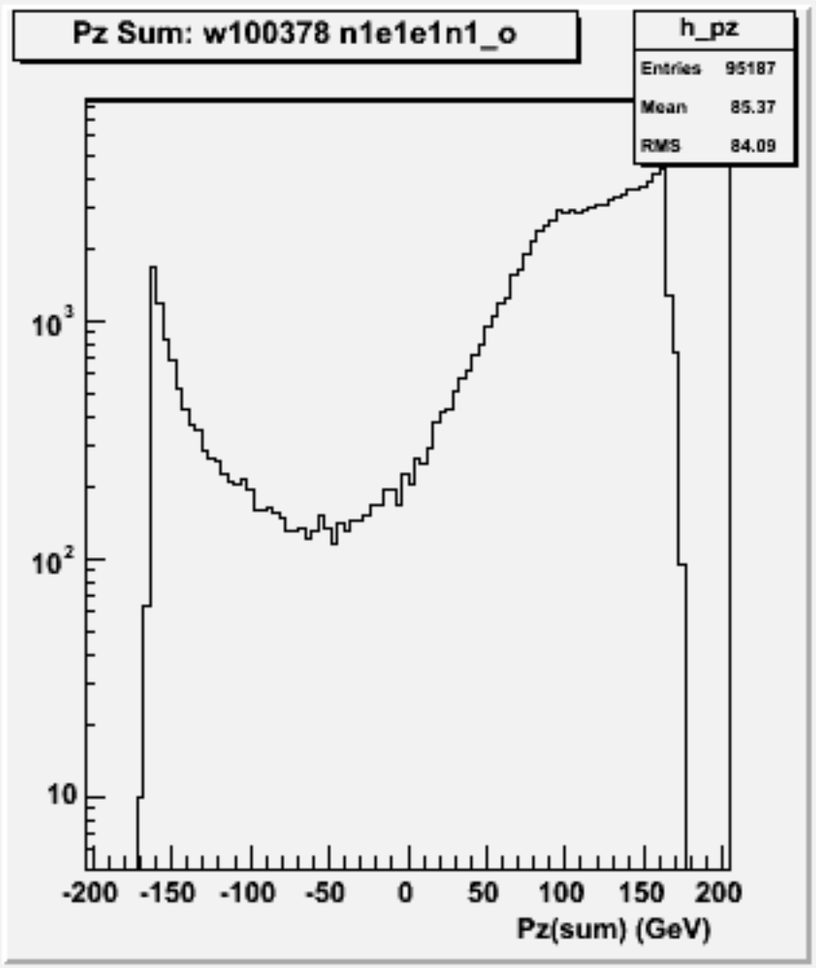

Thrust w100378 n1e1e1n1_o
h_thrust
Entries 95187
Mean 0.9096
RMS 0.09079
Thrust

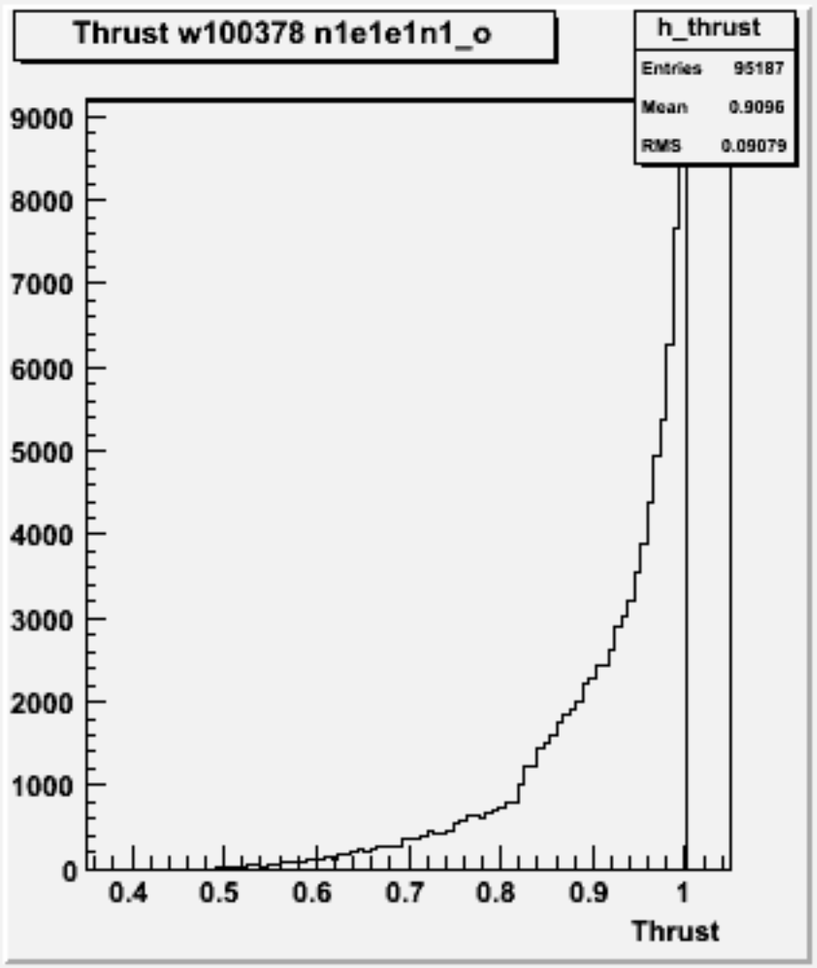

Total Energy (inc. ν): w100378 n1e1e1n1_o
h_etot
Entries 95187
Mean 347.3
RMS 6.059
Total Energy(GeV)

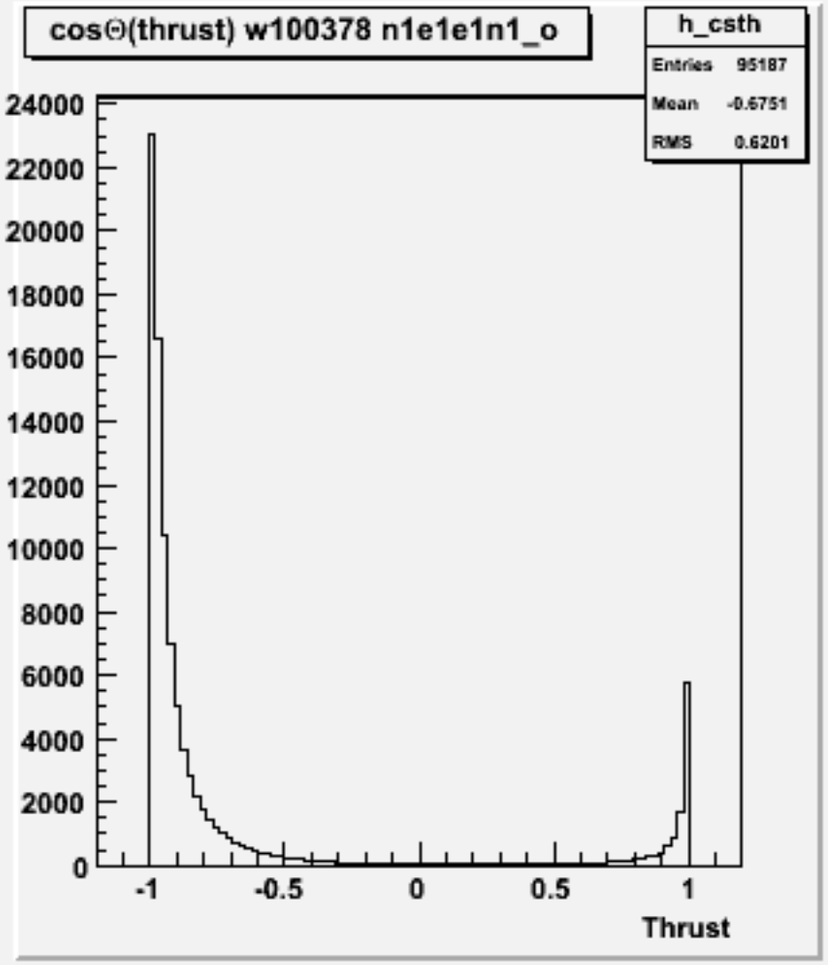

Total Energy (inc. ν): w100378 n1e1e1n1_o
h_etotc
Entries 87717
Mean 348.7
RMS 2.28
Total Energy(GeV)

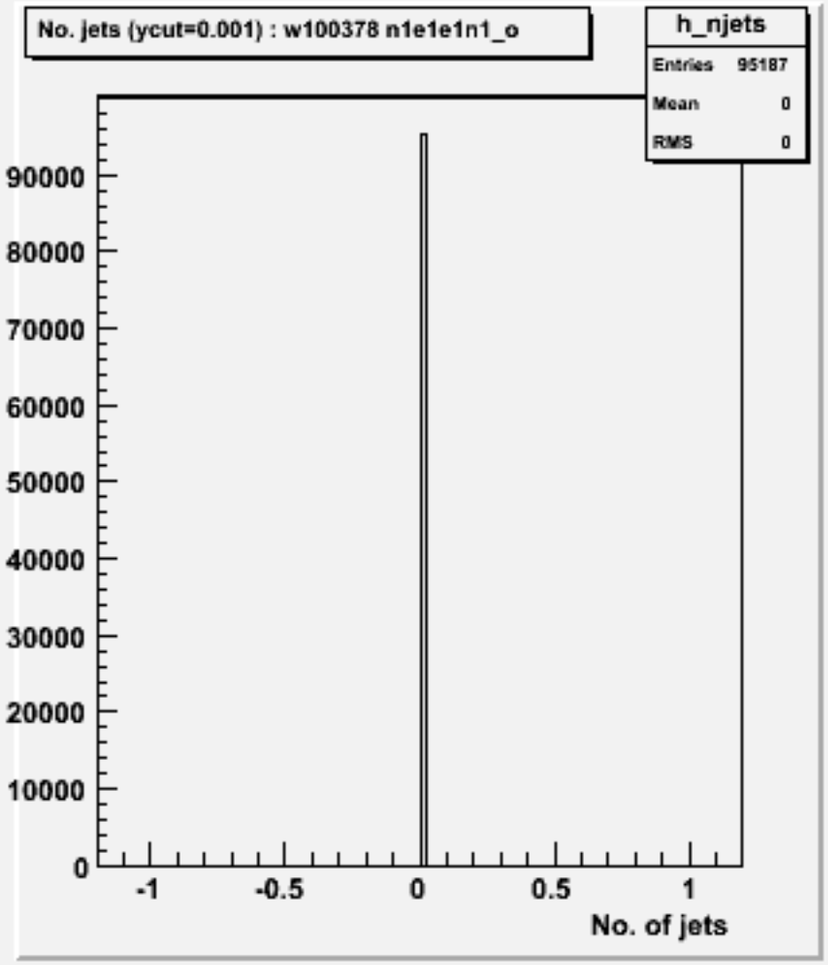

Total Energy (w/o ν): w100378 n1e1e1n1_o
h_evis
Entries 95187
Mean 174.2
RMS 34.29
Energy(GeV)


Pt Sum: w100378 n1e1e1n1_o
h_pt
Entries 95187
Mean 44.45
RMS 28.92
Pt(sum) (GeV)


Pz Sum: w100378 n1e1e1n1_o
h_pz
Entries 95187
Mean 85.37
RMS 84.09
Pz(sum) (GeV)


Thrust w100378 n1e1e1n1_o
h_thrust
Entries 95187
Mean 0.9096
RMS 0.09079
Thrust

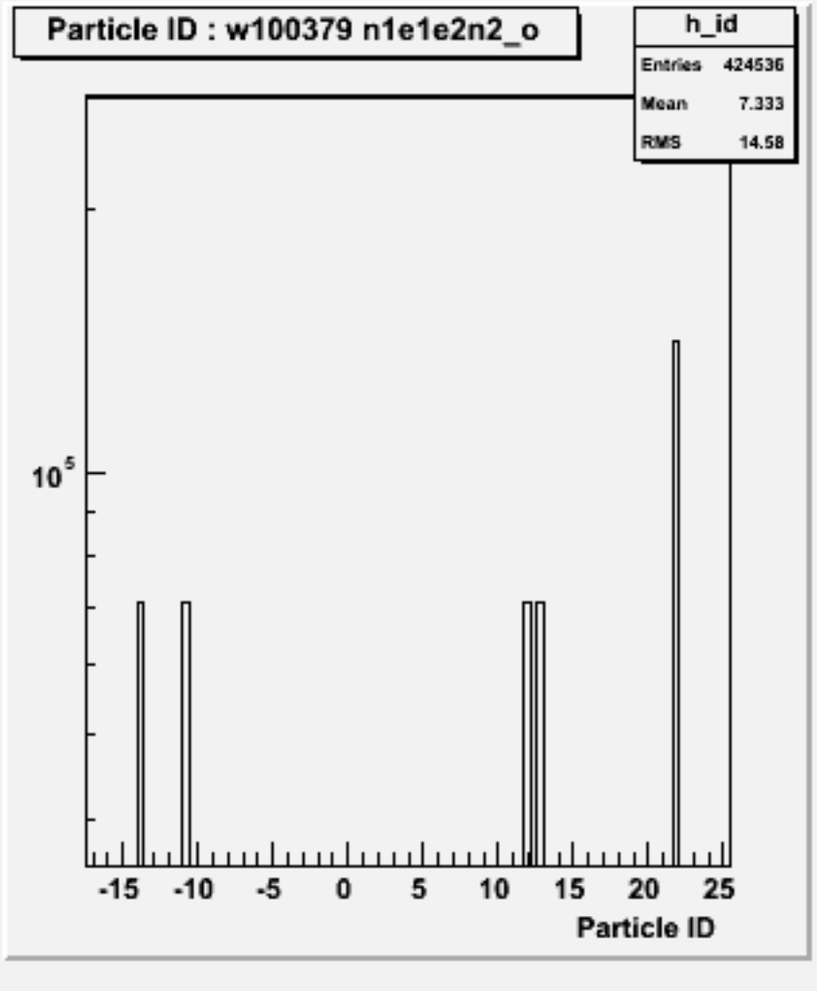


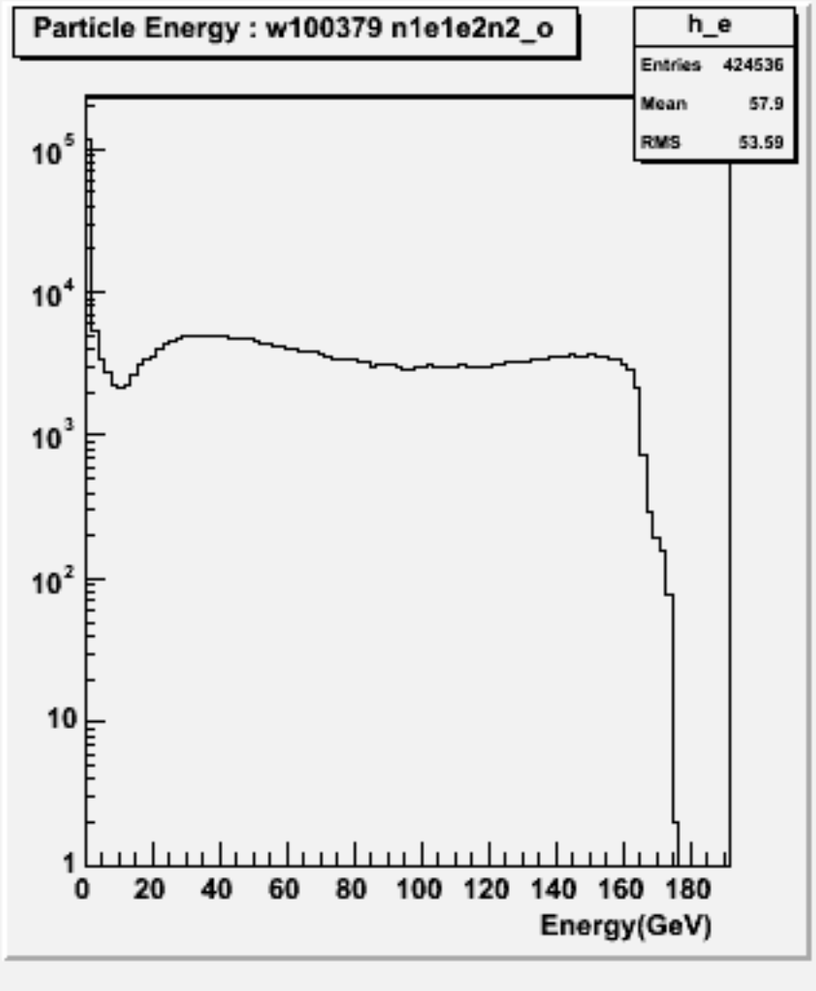


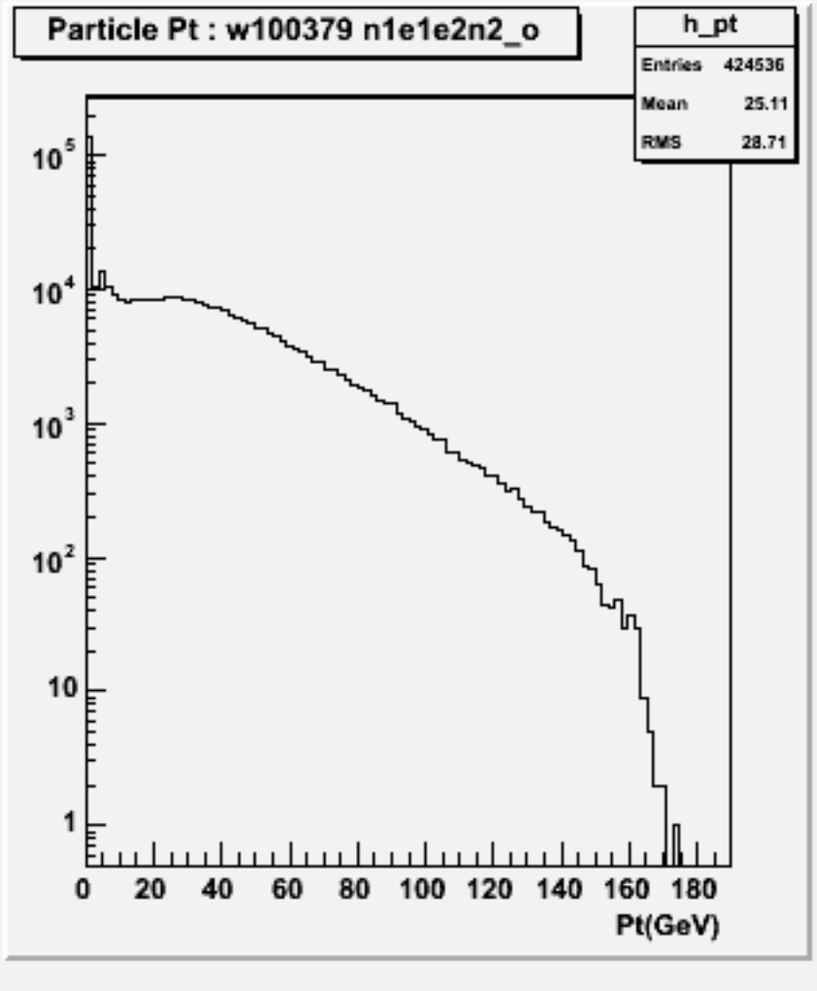
w100378 n1e1e1n1_o

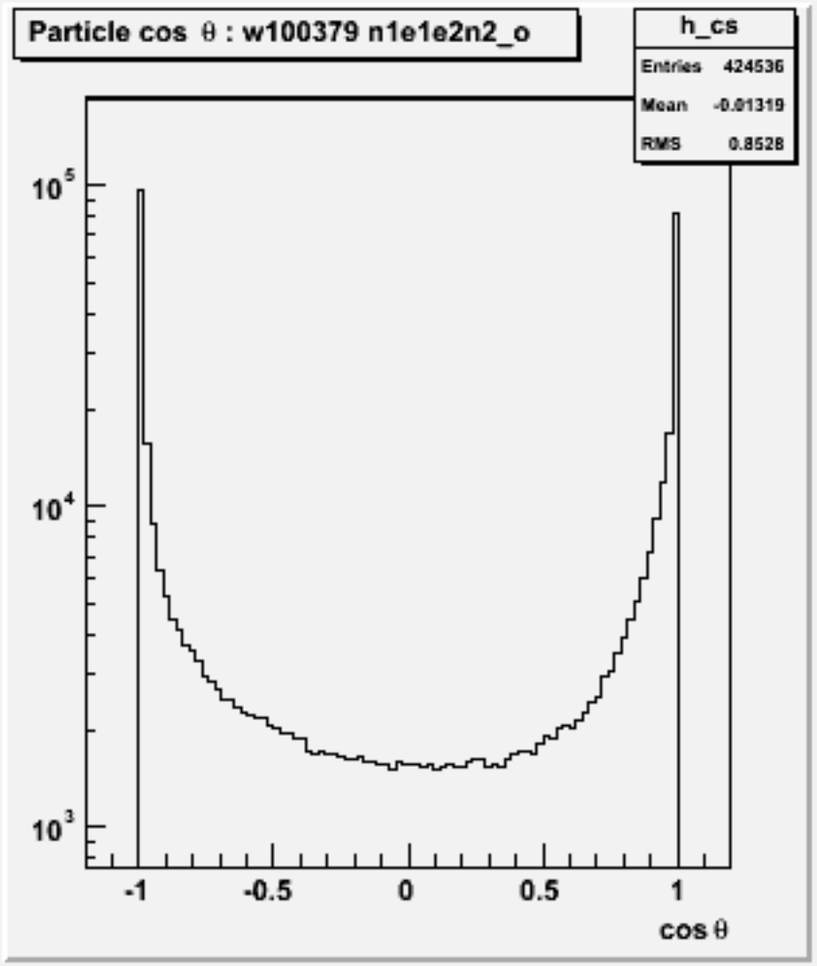
: There are no 2-jets

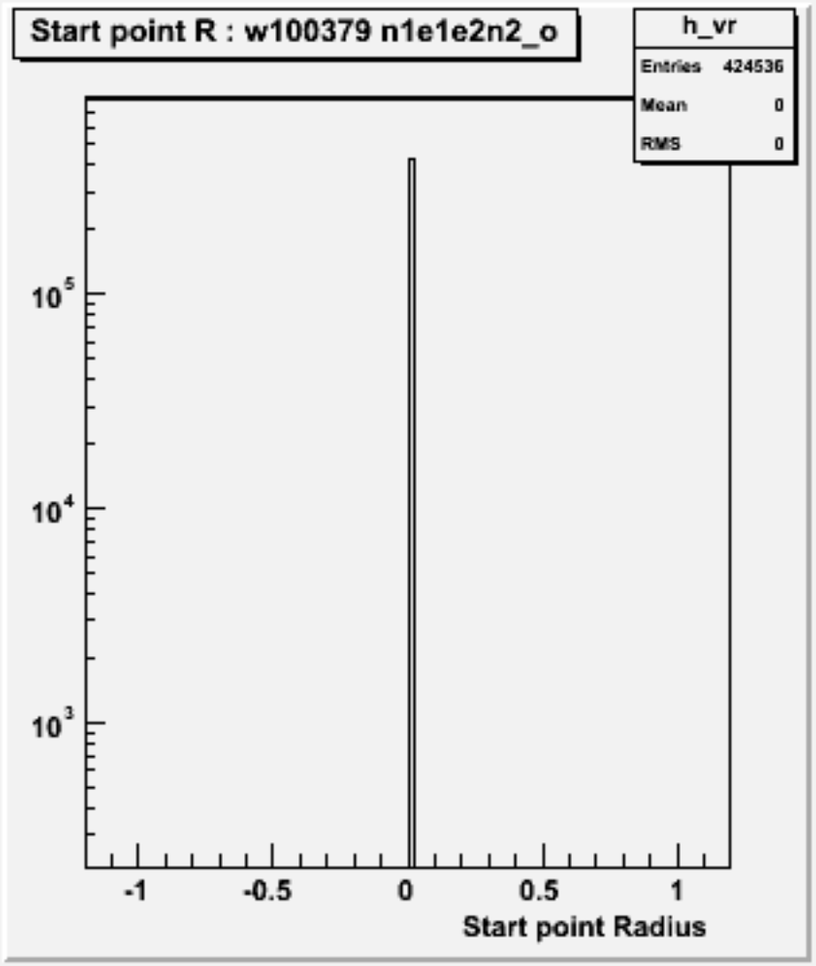
w100378 n1e1e1n1_o : There are no 4-jets

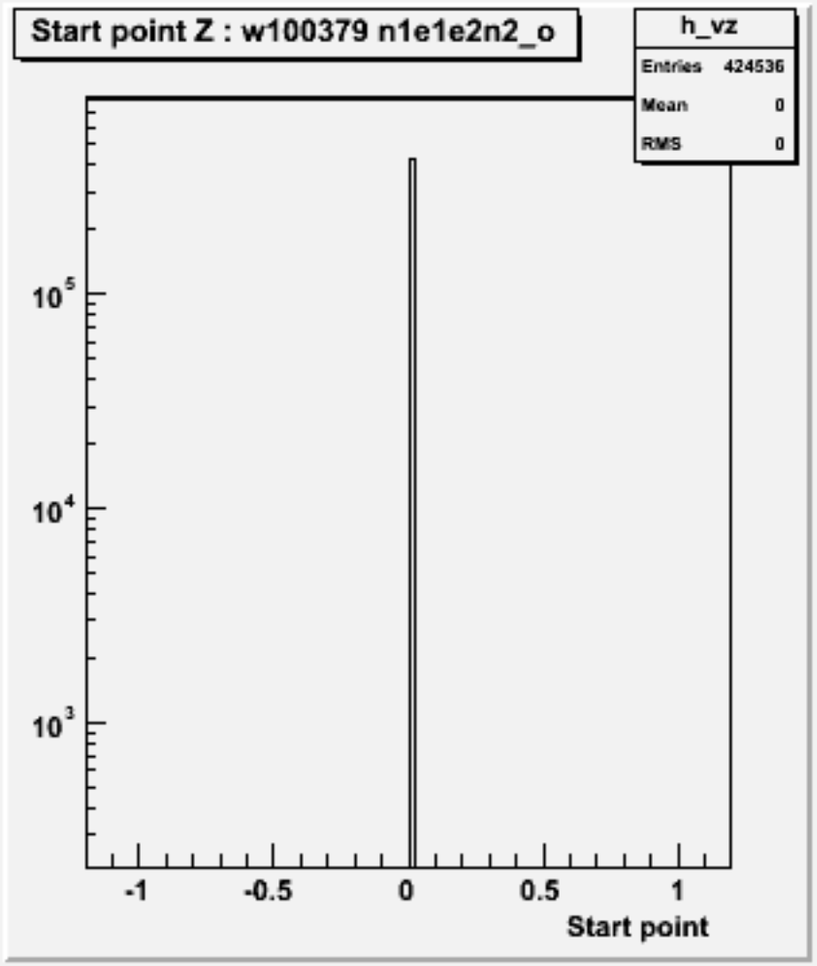

Particle ID : w100379 n1e1e2n2_o
h_id
Entries 424536
Mean 7.333
RMS 14.58
10^5
-15 -10 -5 0 5 10 15 20 25
Particle ID

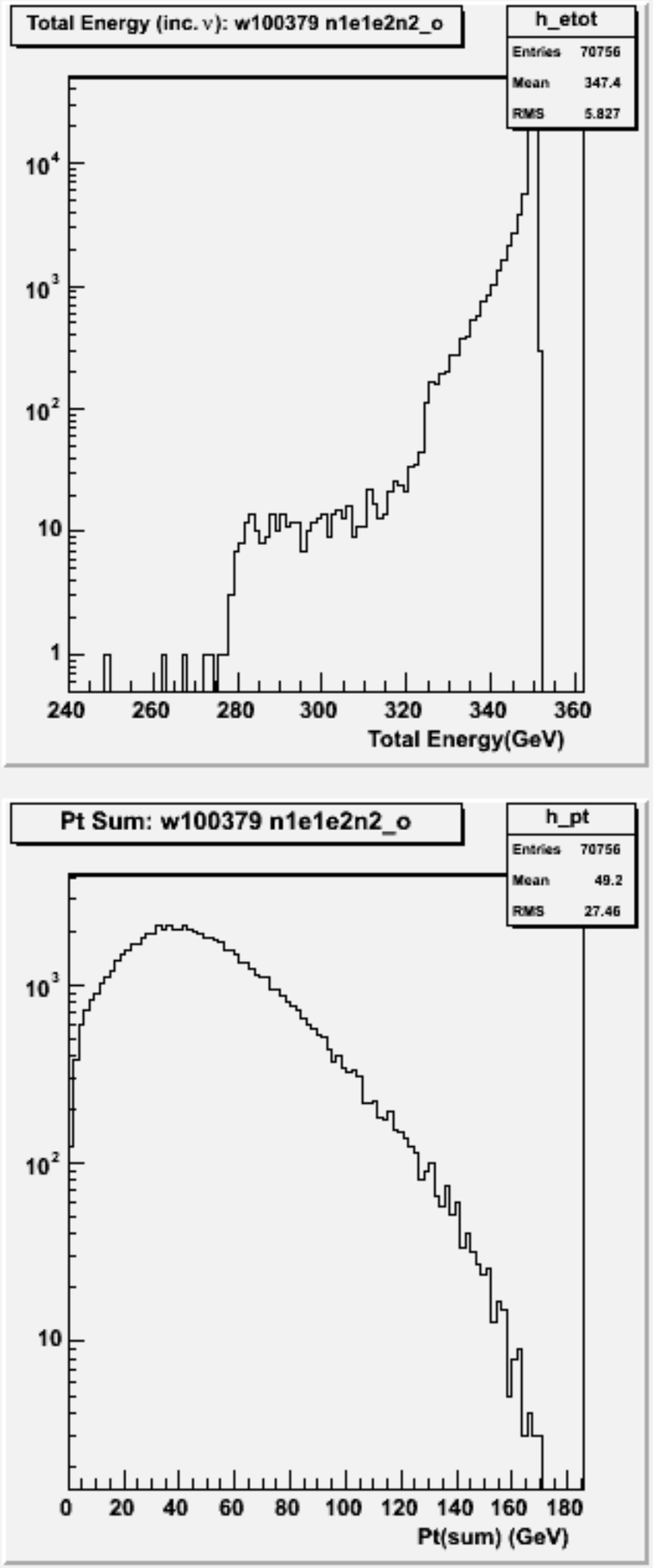

Particle Energy : w100379 n1e1e2n2_o
h_e
Entries 424536
Mean 57.9
RMS 53.59
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

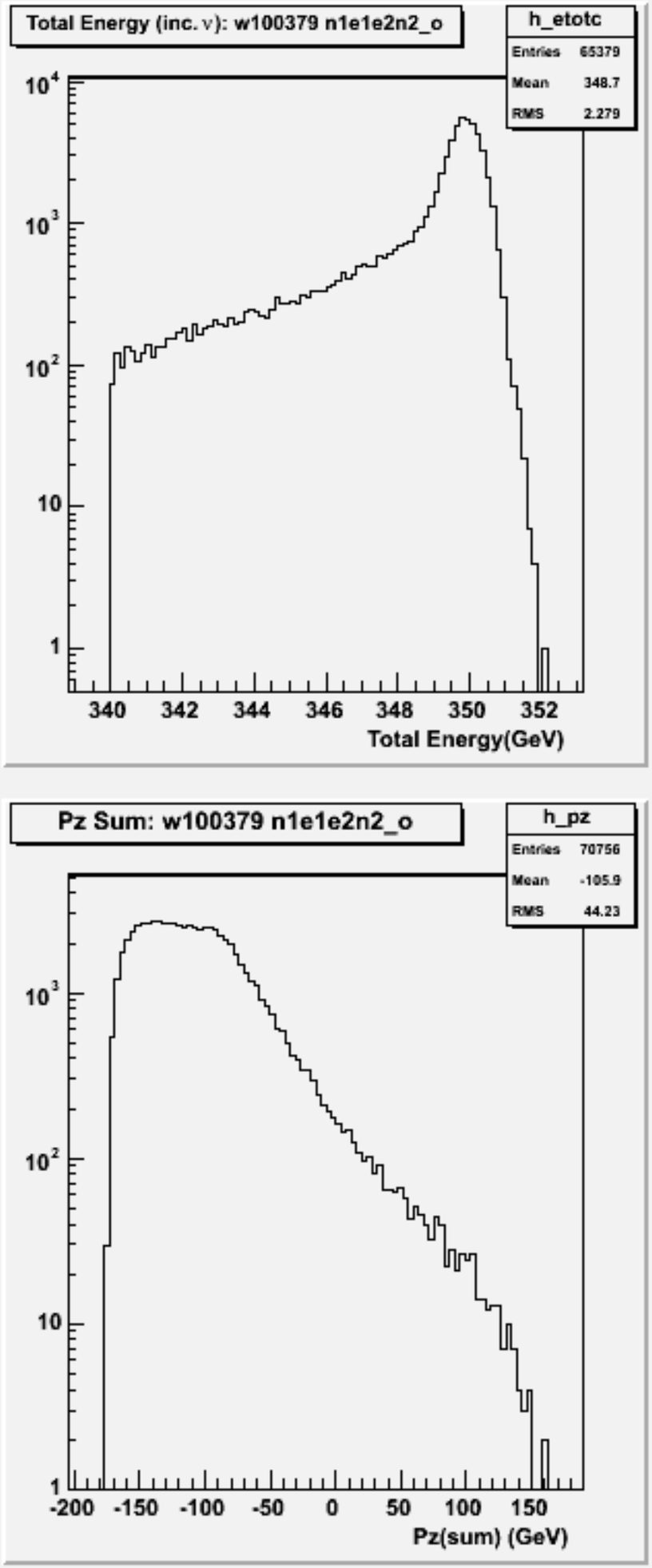

Particle Pt : w100379 n1e1e2n2_o
h_pt
Entries 424536
Mean 25.11
RMS 28.71
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

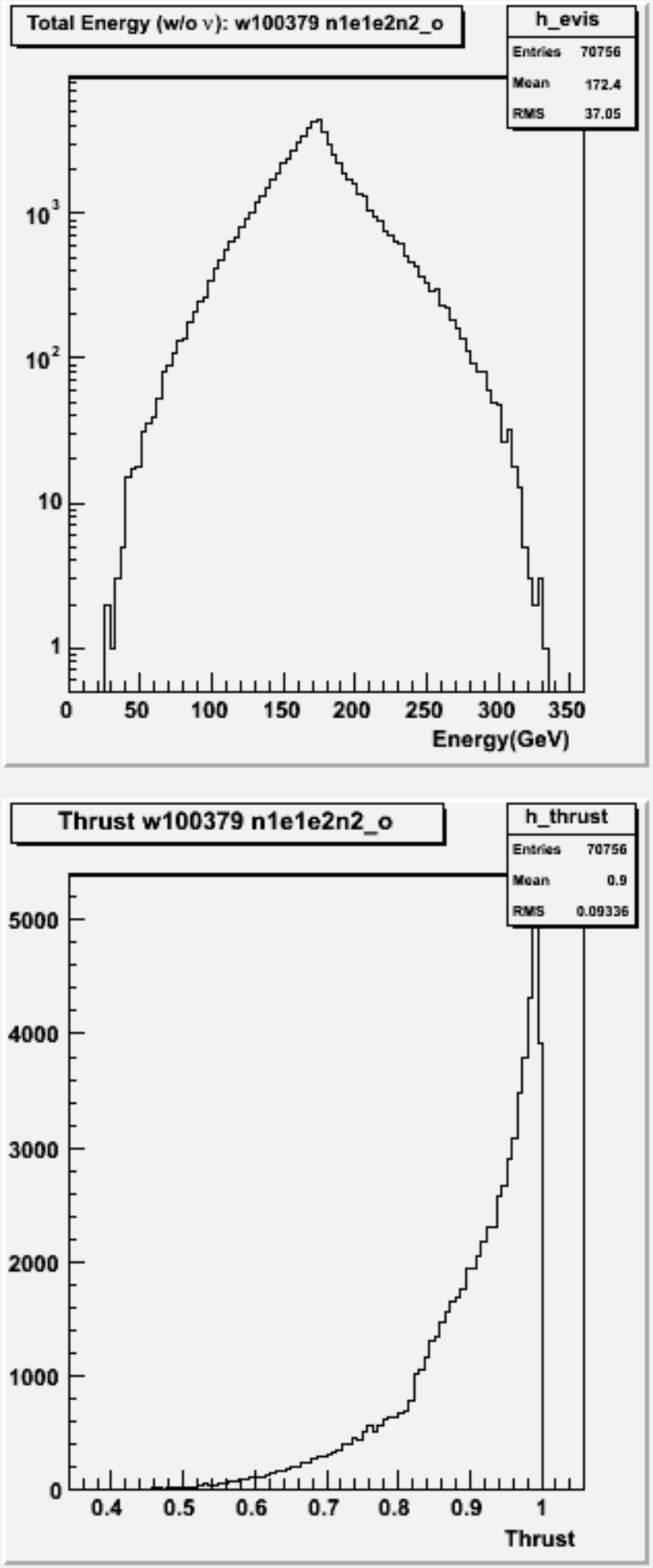

Particle cos θ : w100379 n1e1e2n2_o
h_cs
Entries 424536
Mean -0.01319
RMS 0.8528
10^5
10^4
10^3
-1 -0.5 0 0.5 1
cos θ


Start point R : w100379 n1e1e2n2_o
h_vr
Entries 424536
Mean 0
RMS 0
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point Radius


Start point Z : w100379 n1e1e2n2_o
h_vz
Entries 424536
Mean 0
RMS 0
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point


Total Energy (inc. ν): w100379 n1e1e2n2_o
h_etot
Entries 70756
Mean 347.4
RMS 5.827
Total Energy(GeV)

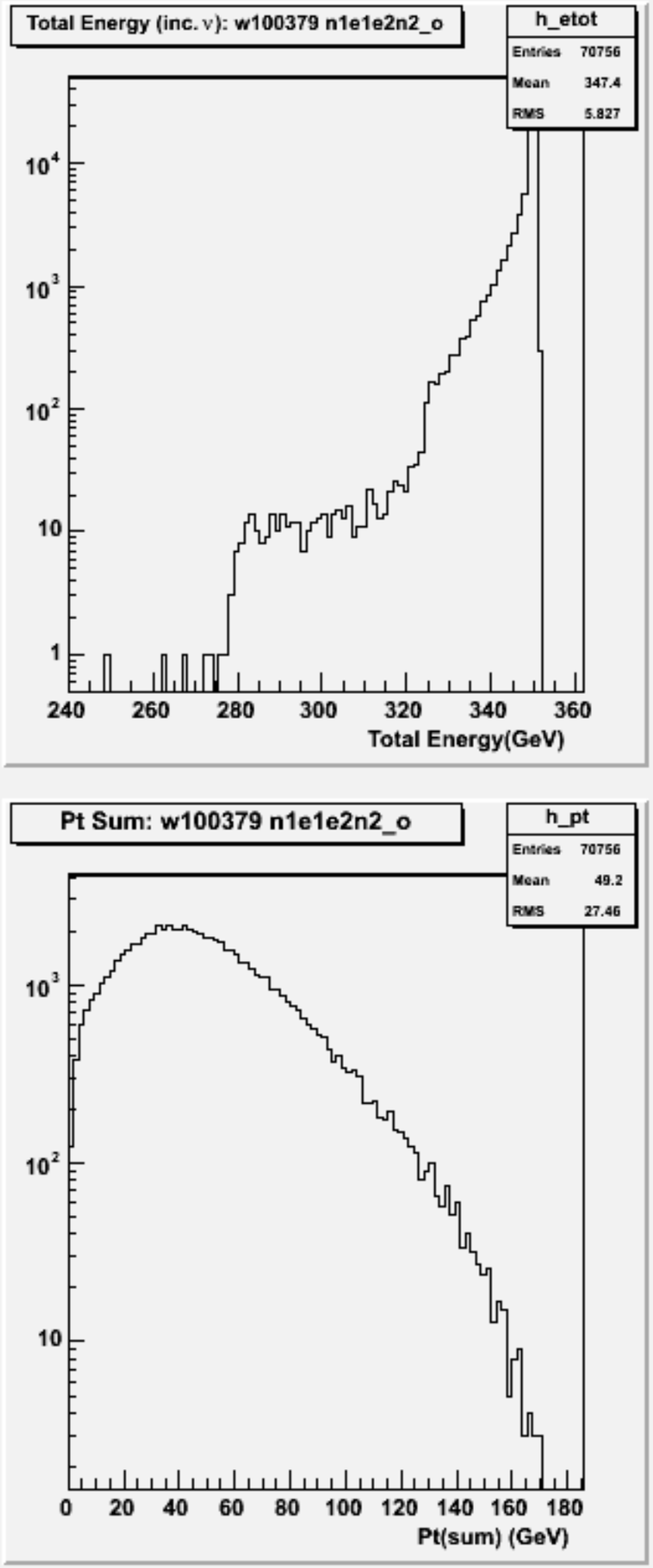

Total Energy (inc. ν): w100379 n1e1e2n2_o
h_etotc
Entries 65379
Mean 348.7
RMS 2.279
Total Energy(GeV)

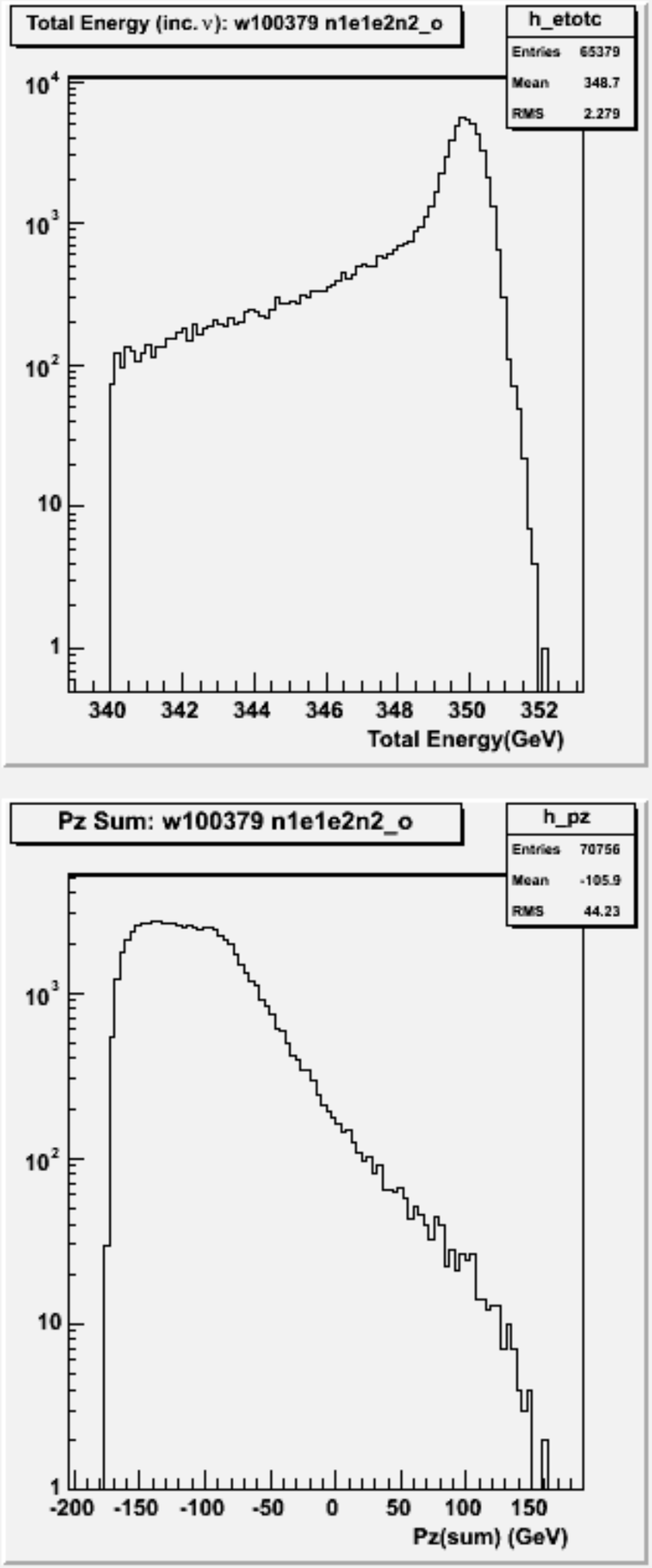

Total Energy (w/o ν): w100379 n1e1e2n2_o
h_evis
Entries 70756
Mean 172.4
RMS 37.05
Energy(GeV)

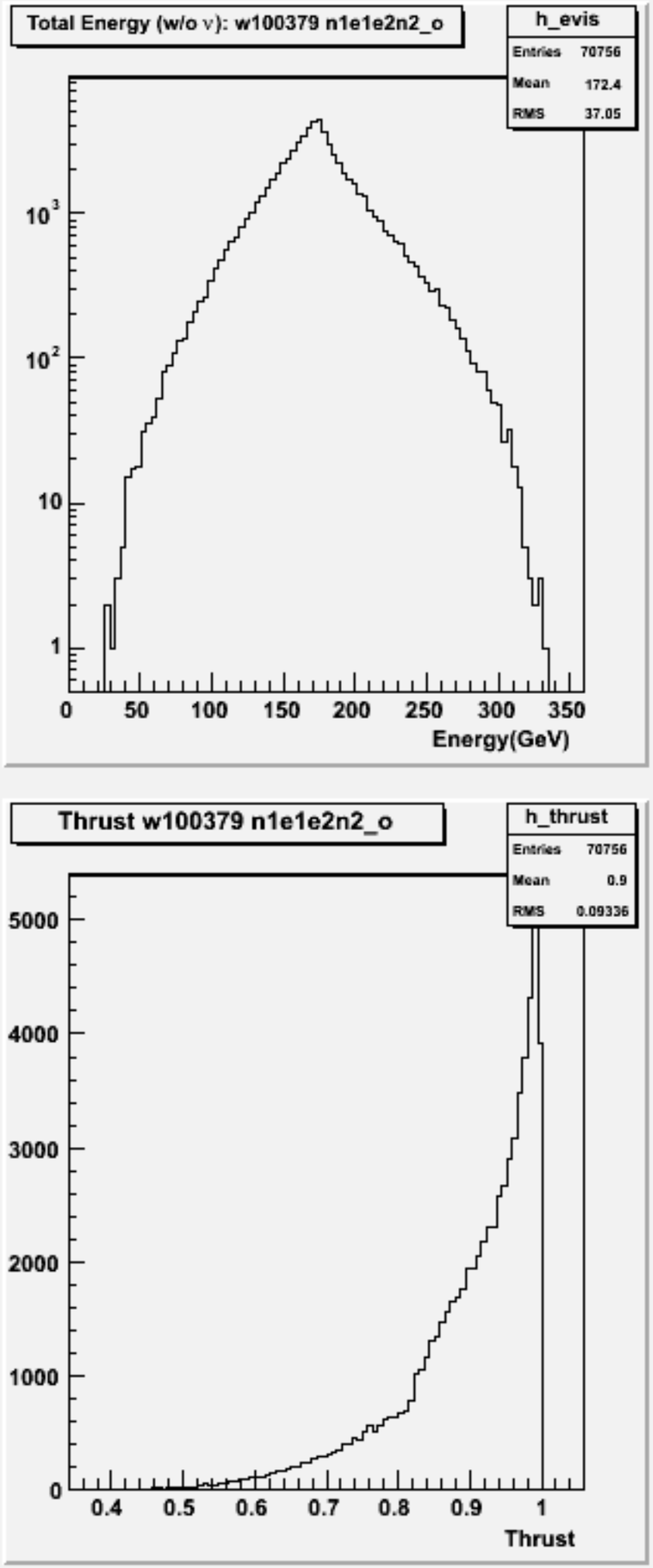
Pt Sum: w100379 n1e1e2n2_o
h_pt
Entries 70756
Mean 49.2
RMS 27.46
Pt(sum) (GeV)

Pz Sum: w100379 n1e1e2n2_o
h_pz
Entries 70756
Mean -105.9
RMS 44.23
Pz(sum) (GeV)

Thrust w100379 n1e1e2n2_o
h_thrust
Entries 70756
Mean 0.9
RMS 0.09336
Thrust


Total Energy (inc. ν): w100379 n1e1e2n2_o
h_etot
Entries 70756
Mean 347.4
RMS 5.827
Total Energy(GeV)

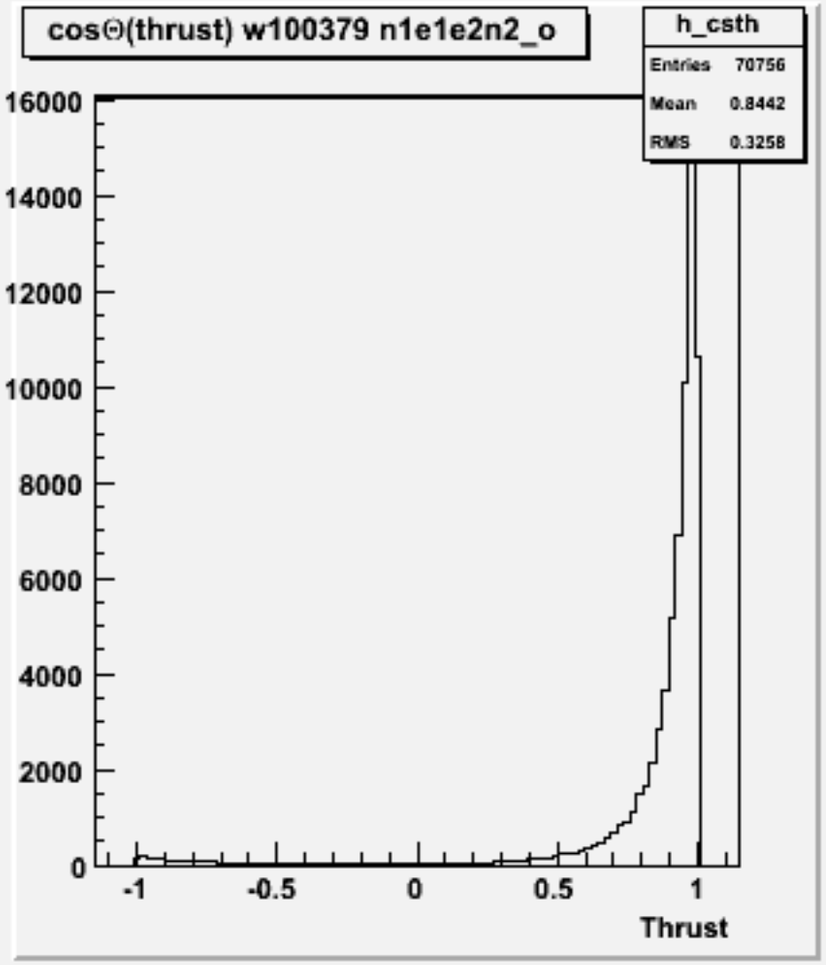

Total Energy (inc. ν): w100379 n1e1e2n2_o
h_etotc
Entries 65379
Mean 348.7
RMS 2.279
Total Energy(GeV)

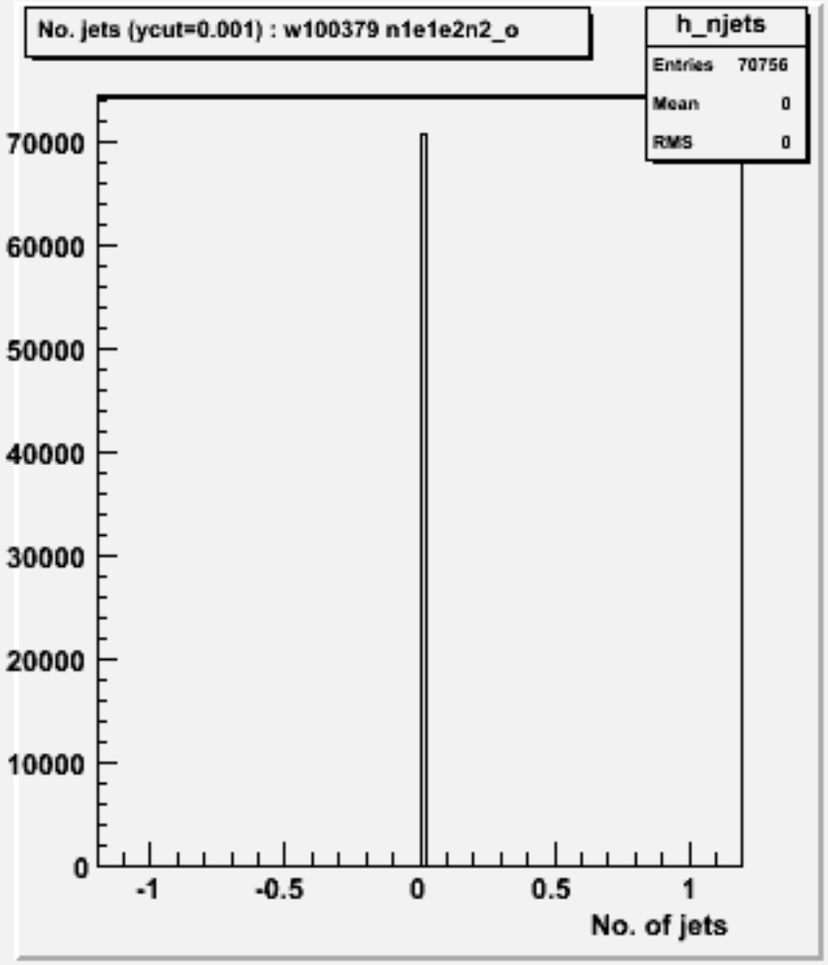

Total Energy (w/o ν): w100379 n1e1e2n2_o
h_evis
Entries 70756
Mean 172.4
RMS 37.05
Energy(GeV)

Pt Sum: w100379 n1e1e2n2_o
h_pt
Entries 70756
Mean 49.2
RMS 27.46
Pt(sum) (GeV)

Pz Sum: w100379 n1e1e2n2_o
h_pz
Entries 70756
Mean -105.9
RMS 44.23
Pz(sum) (GeV)

Thrust w100379 n1e1e2n2_o
h_thrust
Entries 70756
Mean 0.9
RMS 0.09336
Thrust

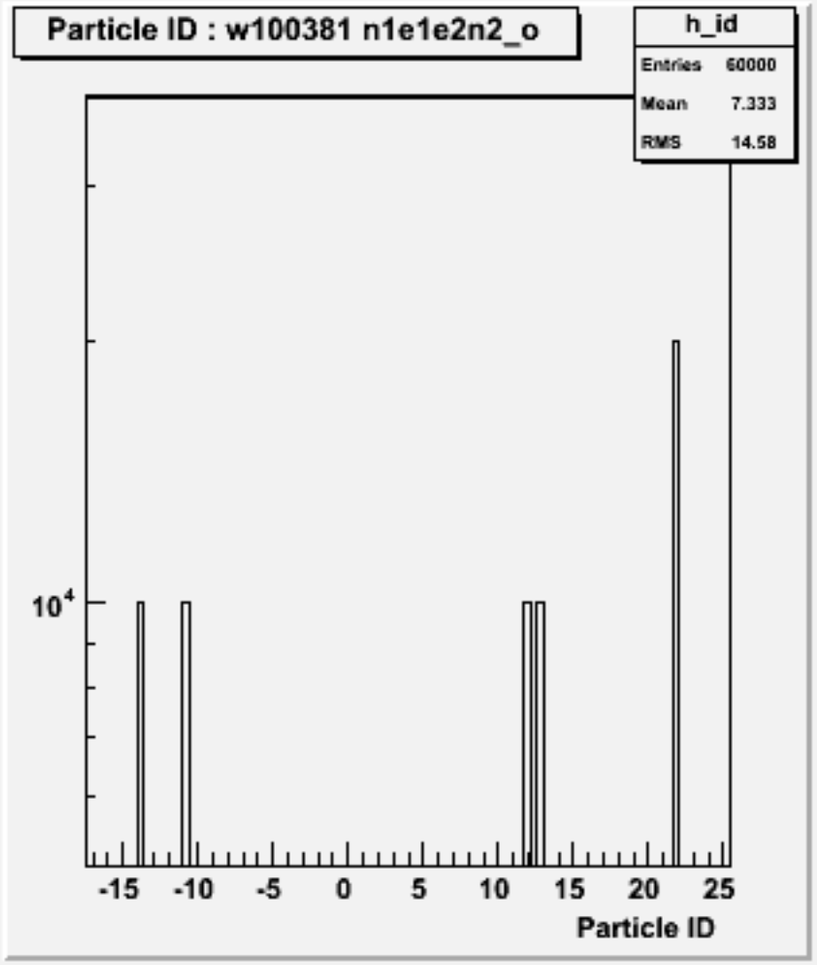


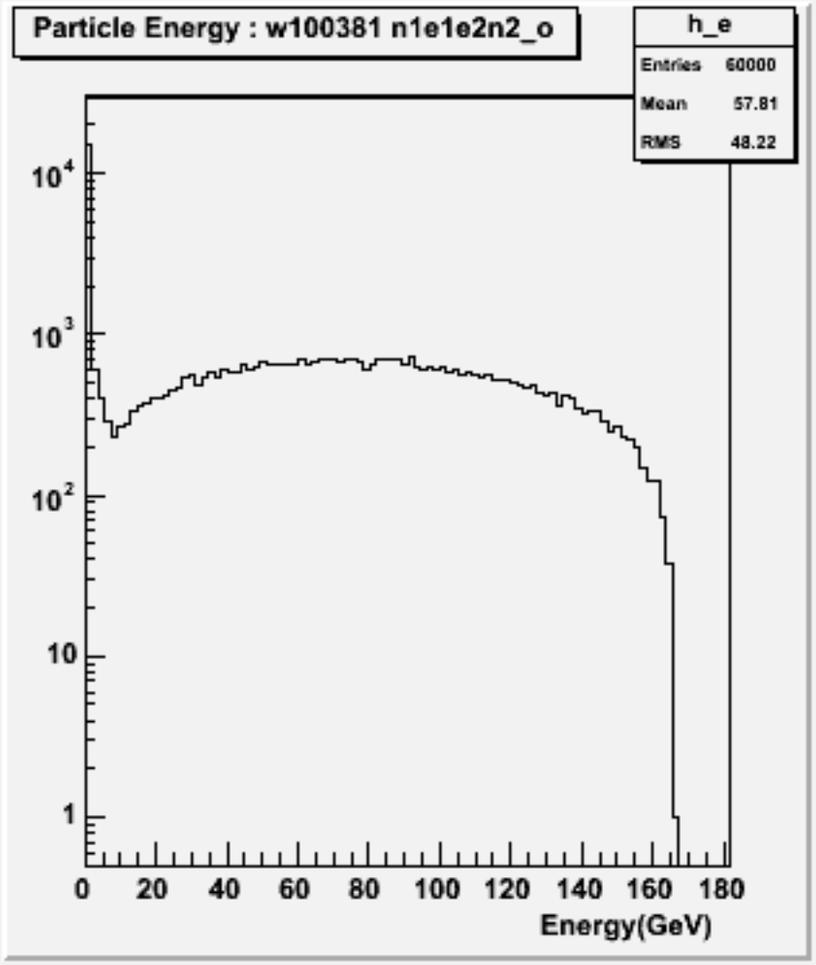


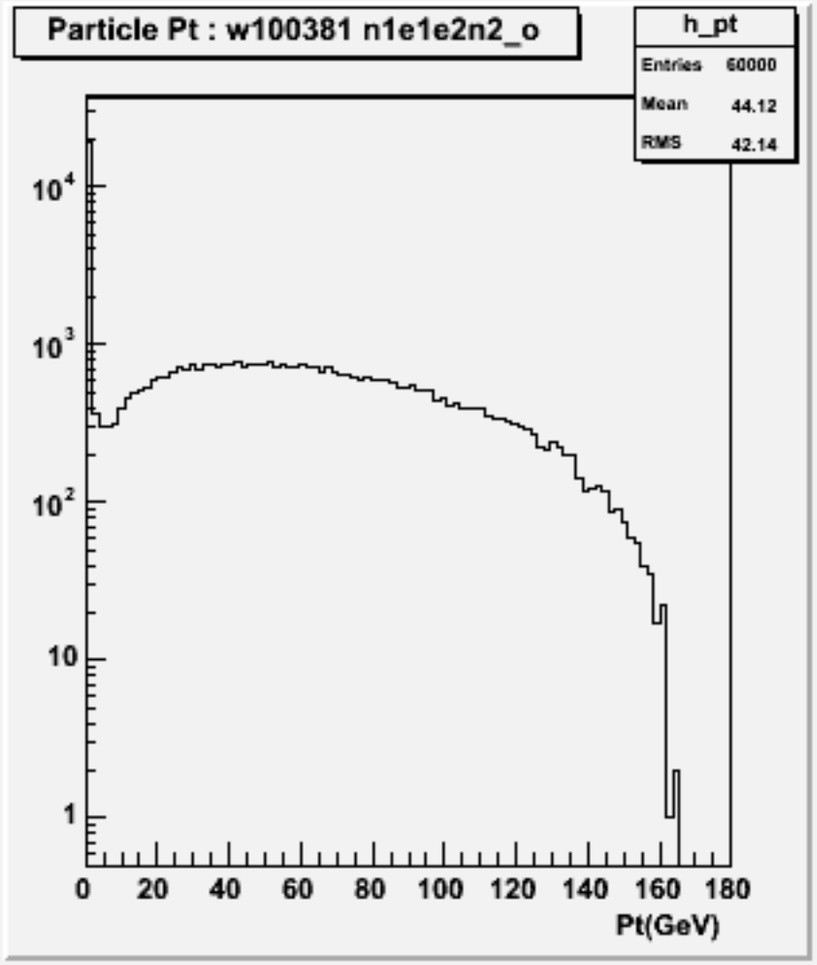
w100379 n1e1e2n2_o

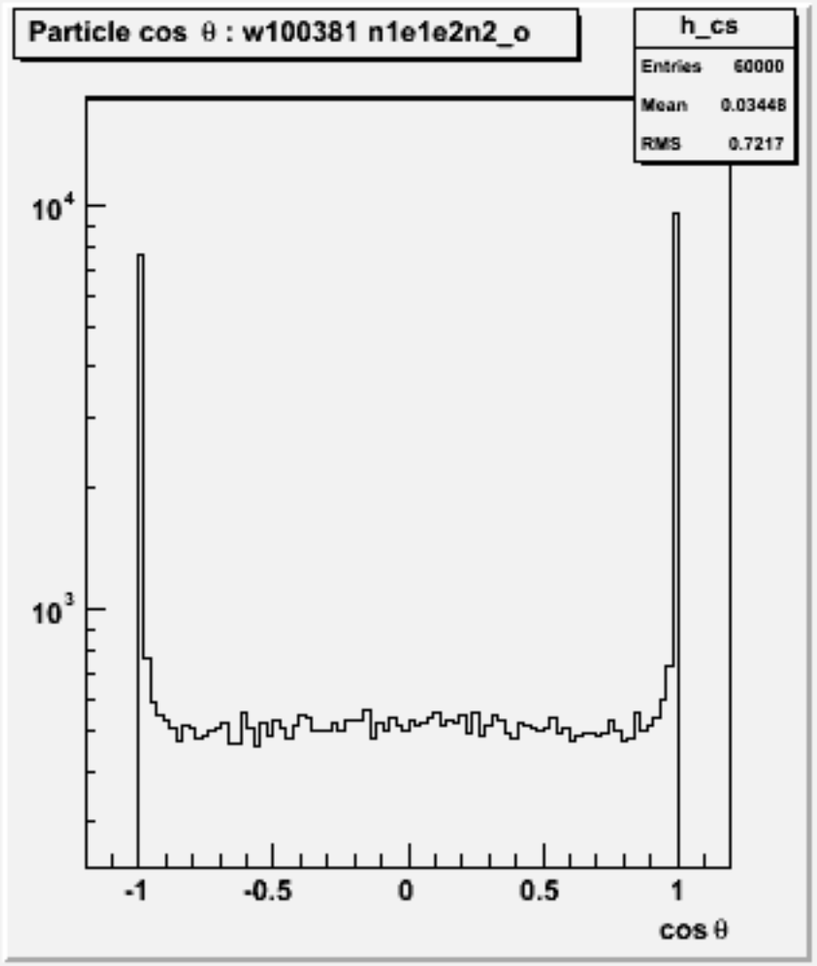
: There are no 2-jets

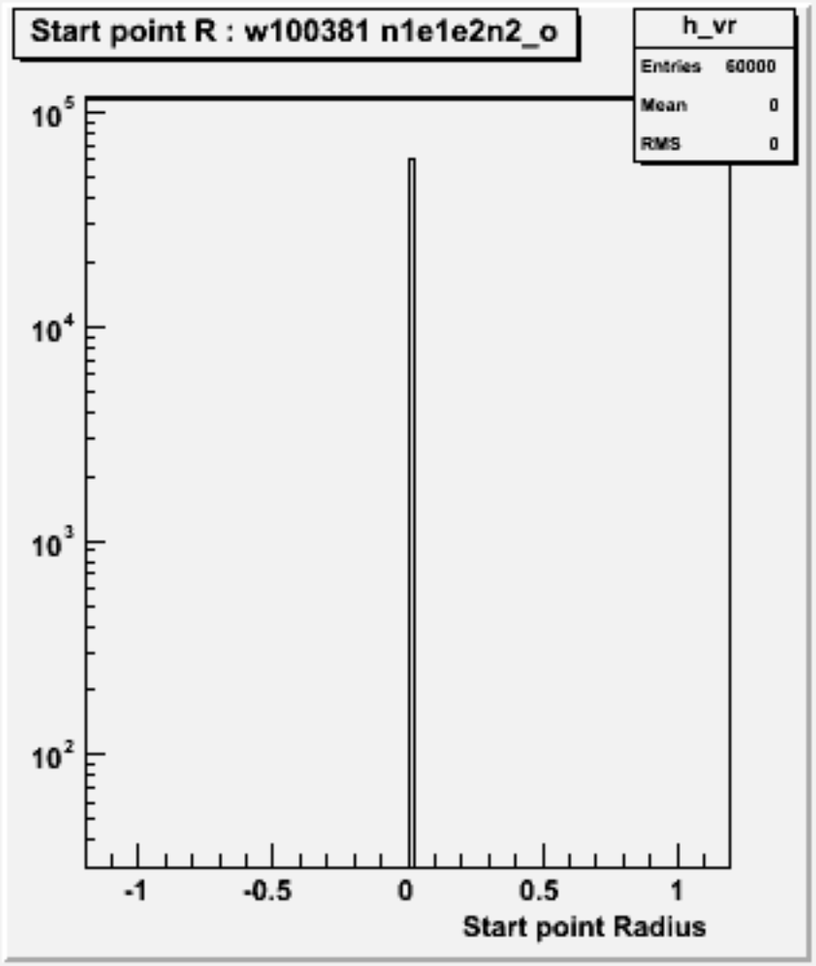
w100379 n1e1e2n2_o : There are no 4-jets

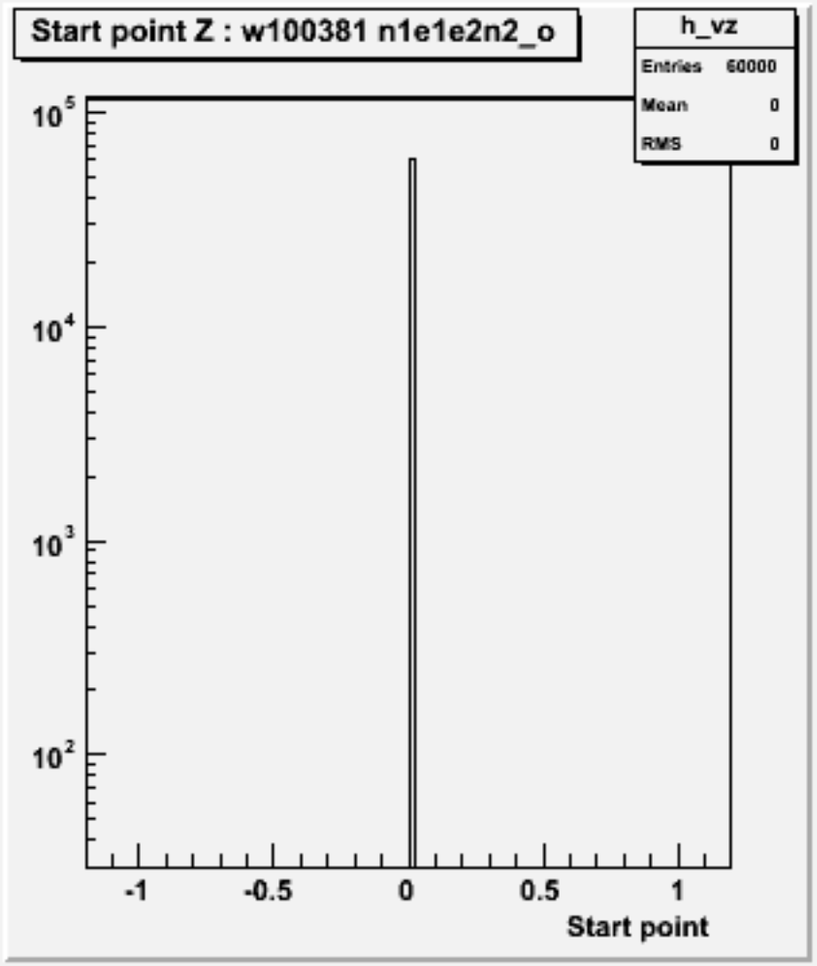

Particle ID : w100381 n1e1e2n2_o
h_id
Entries 60000
Mean 7.333
RMS 14.58
10^4
-15 -10 -5 0 5 10 15 20 25
Particle ID

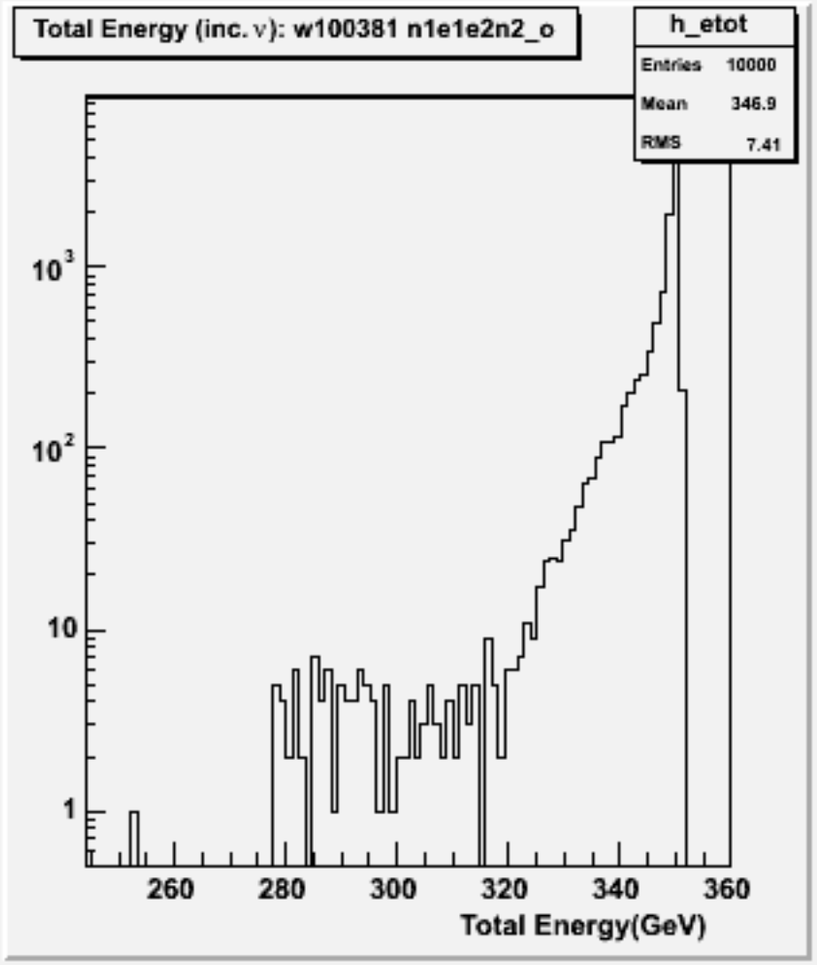

Particle Energy : w100381 n1e1e2n2_o
h_e
Entries 60000
Mean 57.81
RMS 48.22
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

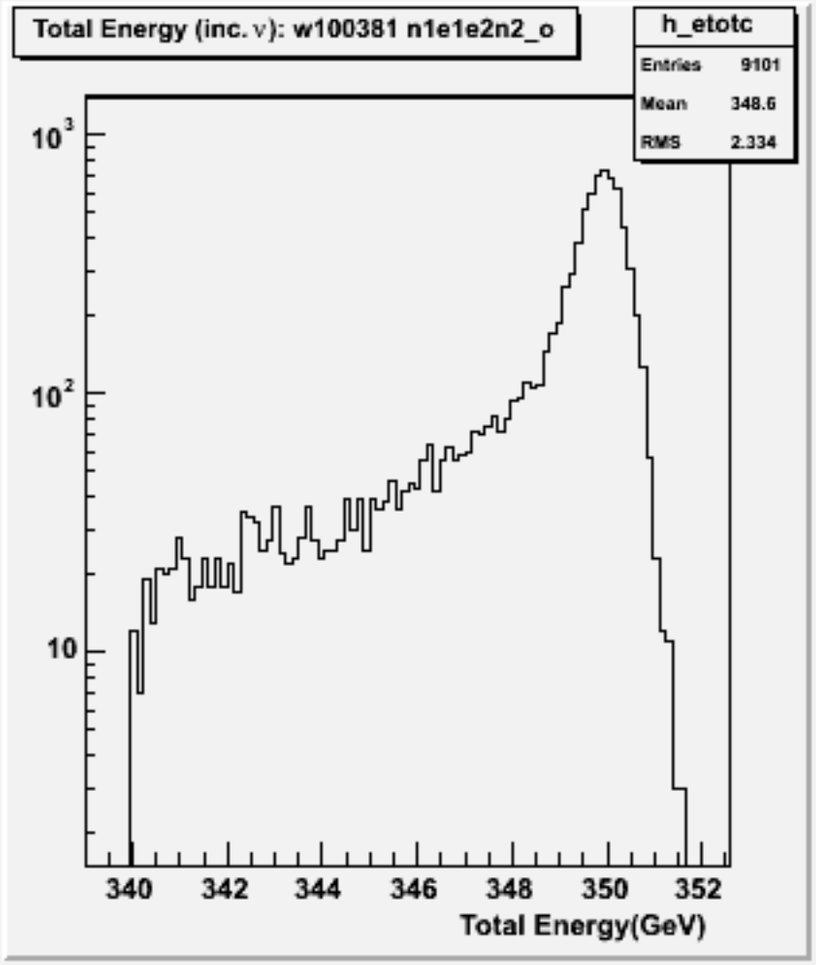

Particle Pt : w100381 n1e1e2n2_o
h_pt
Entries 60000
Mean 44.12
RMS 42.14
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

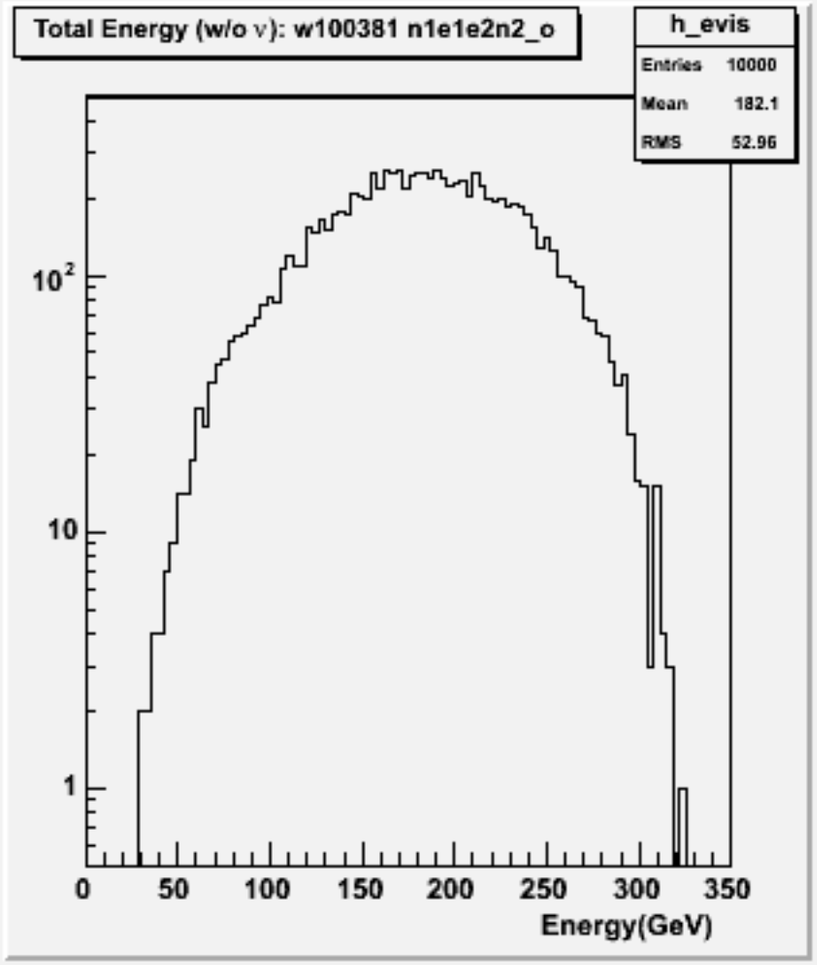

Particle cos θ : w100381 n1e1e2n2_o
h_cs
Entries 60000
Mean 0.03448
RMS 0.7217
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

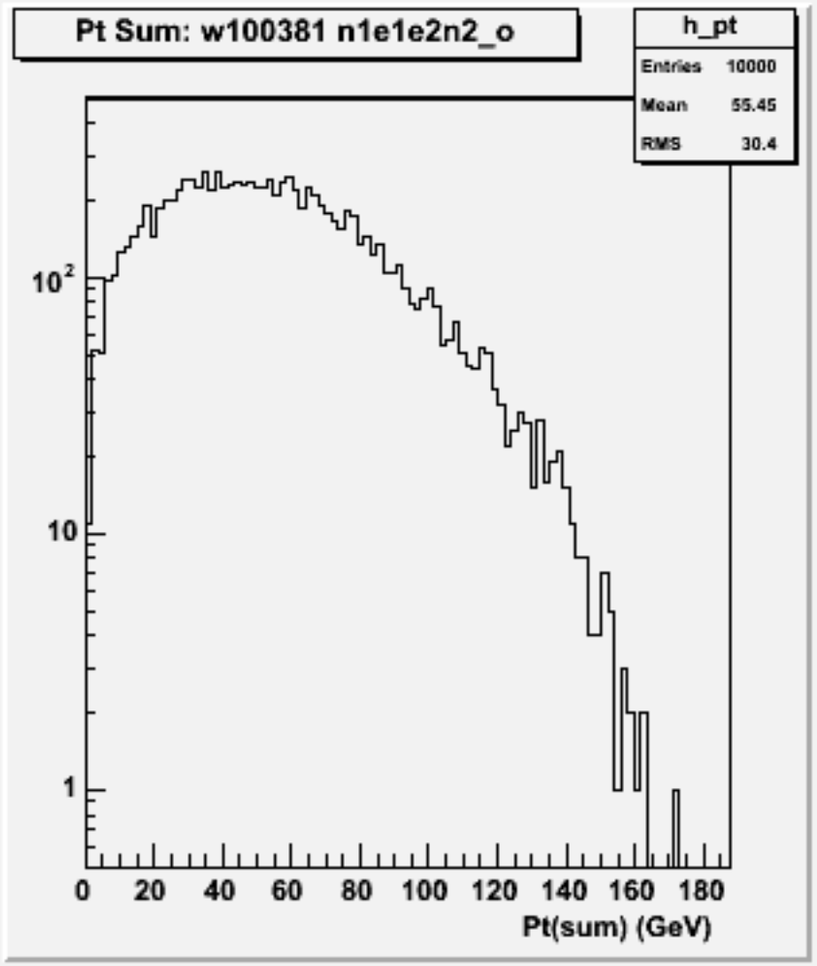

Start point R : w100381 n1e1e2n2_o
h_vr
Entries 60000
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

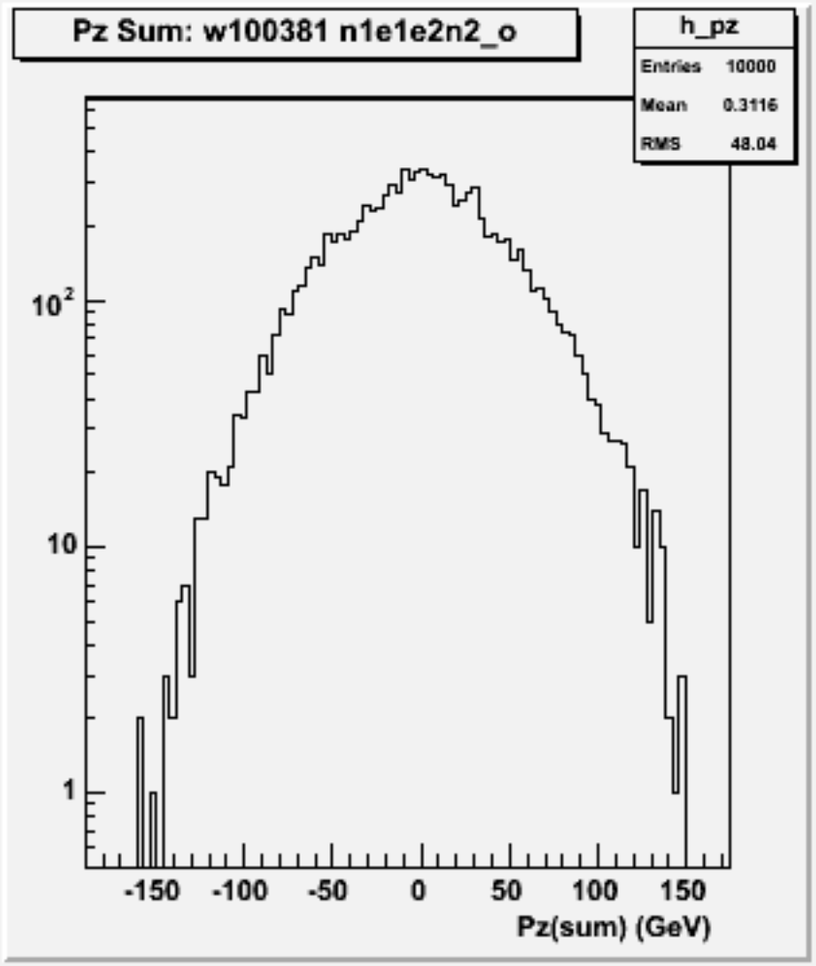

Start point Z : w100381 n1e1e2n2_o
h_vz
Entries 60000
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

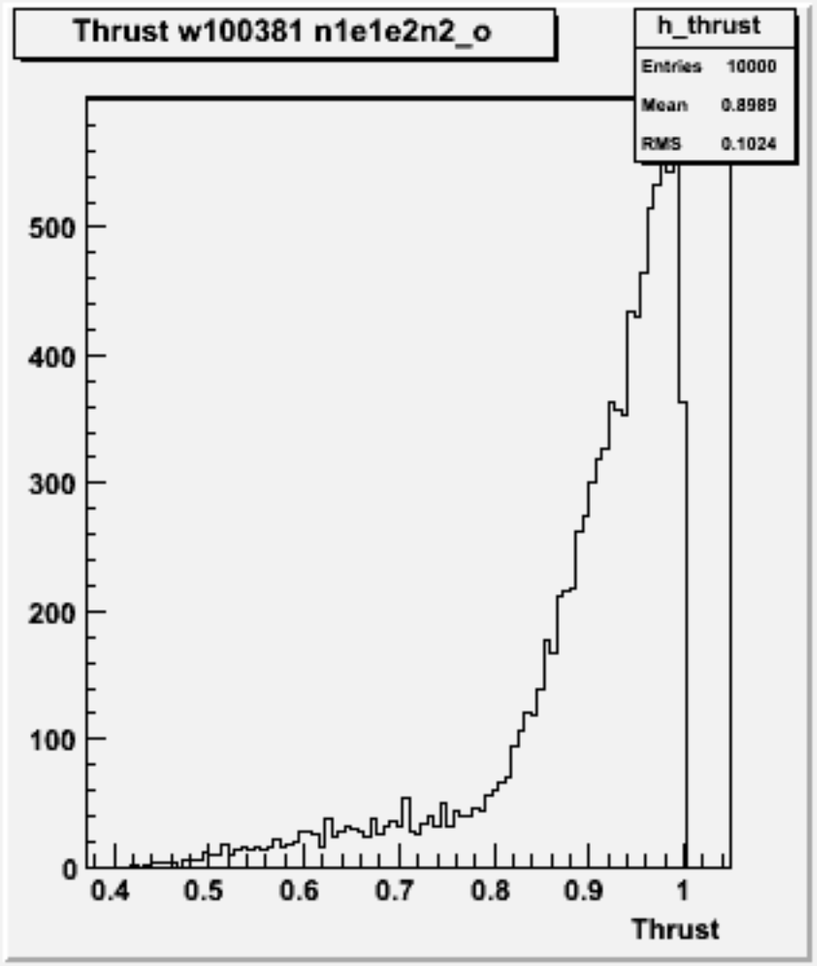

Total Energy (inc. ν): w100381 n1e1e2n2_o
h_etot
Entries 10000
Mean 346.9
RMS 7.41
Total Energy(GeV)

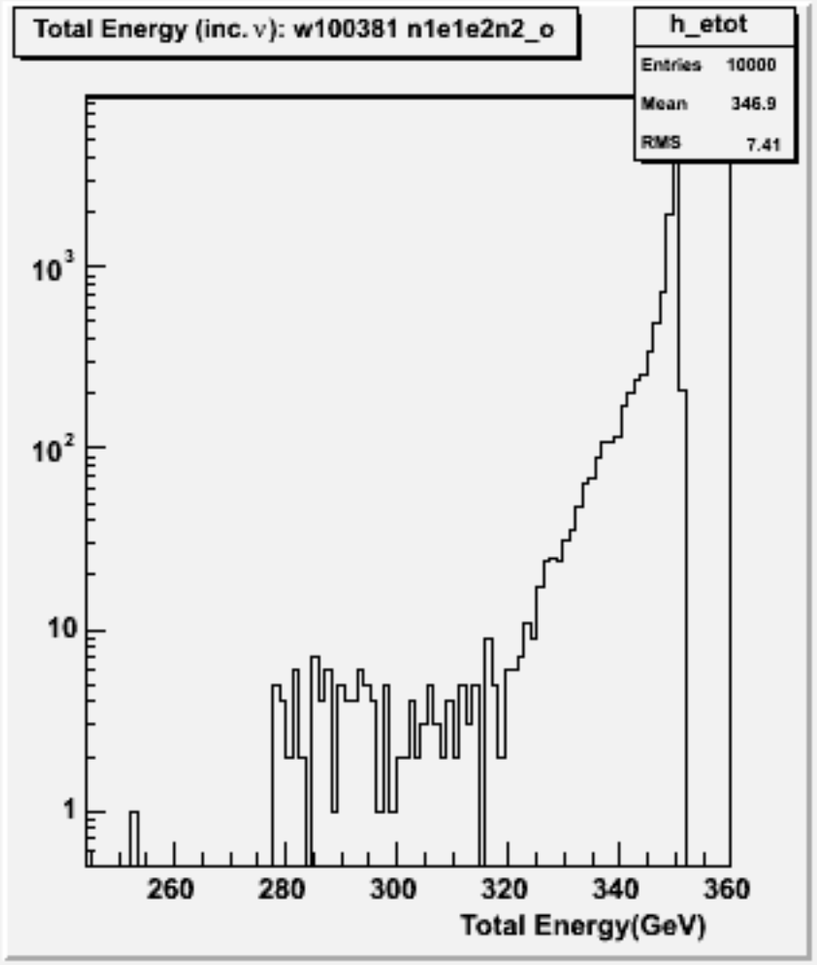

Total Energy (inc. ν): w100381 n1e1e2n2_o
h_etotc
Entries 9101
Mean 348.6
RMS 2.334
Total Energy(GeV)

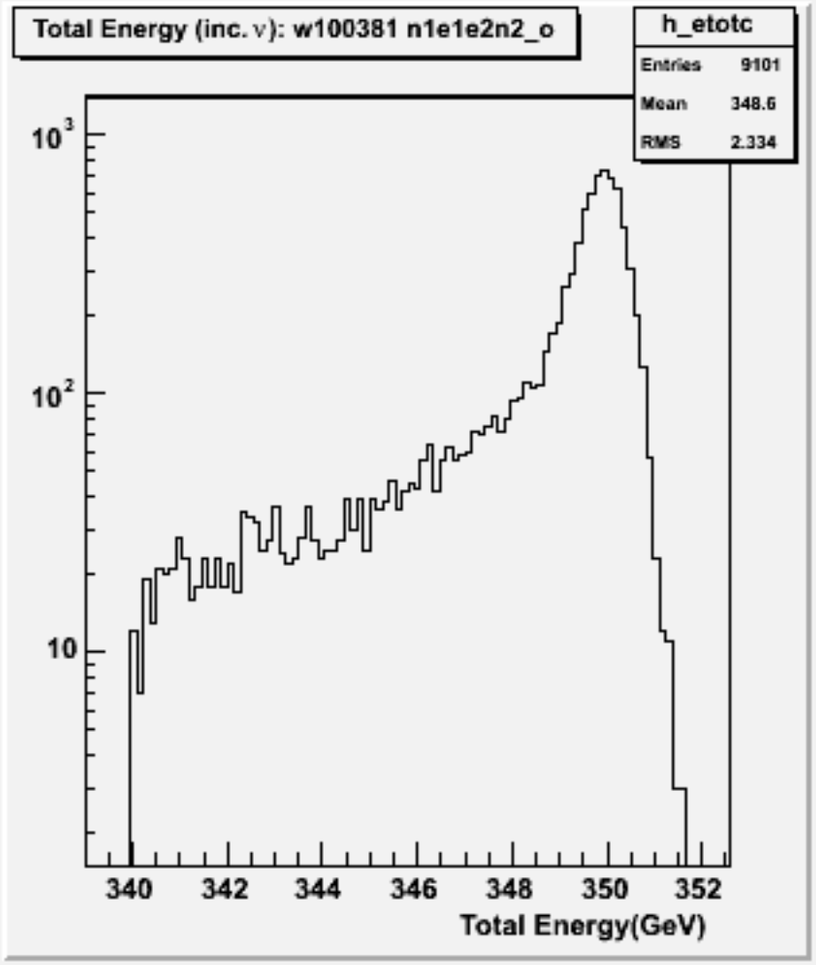

Total Energy (w/o ν): w100381 n1e1e2n2_o
h_evis
Entries 10000
Mean 182.1
RMS 52.96
Energy(GeV)

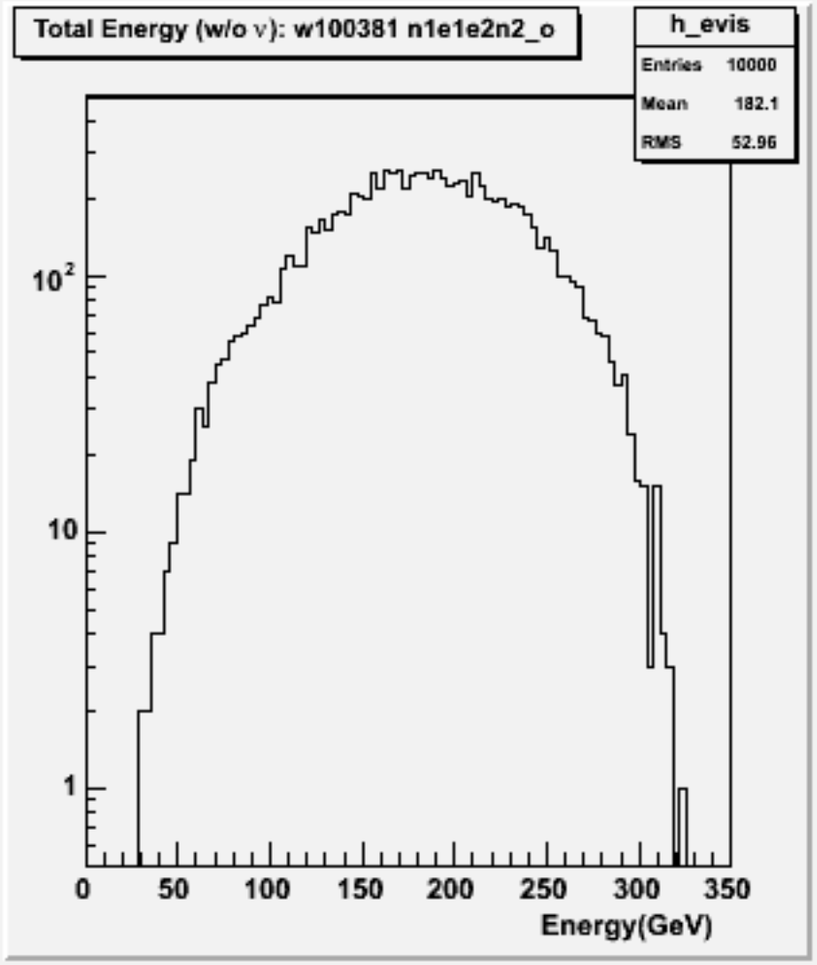

Pt Sum: w100381 n1e1e2n2_o
h_pt
Entries 10000
Mean 55.45
RMS 30.4
Pt(sum) (GeV)

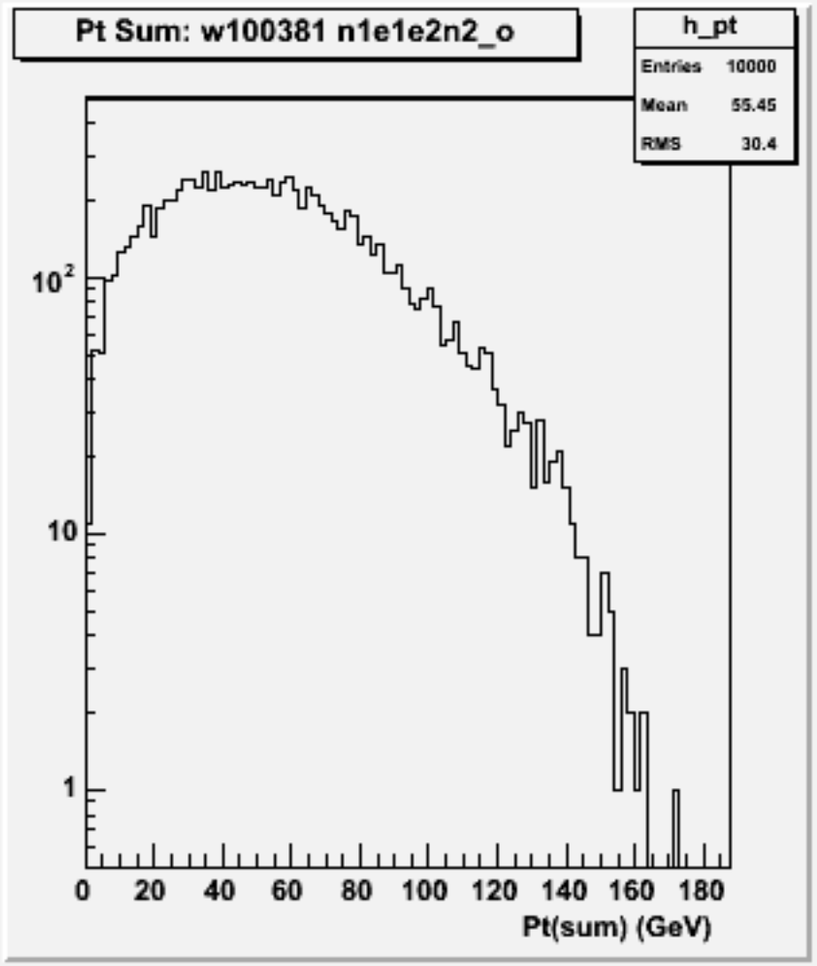

Pz Sum: w100381 n1e1e2n2_o
h_pz
Entries 10000
Mean 0.3116
RMS 48.04
Pz(sum) (GeV)

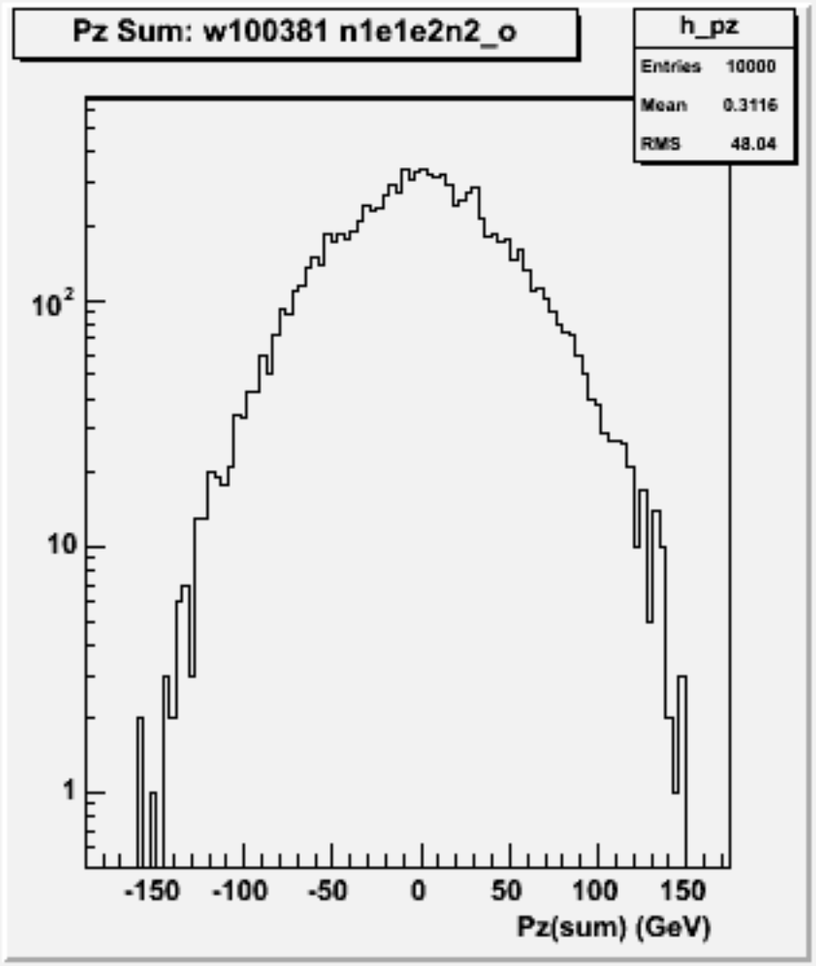

Thrust w100381 n1e1e2n2_o
h_thrust
Entries 10000
Mean 0.8989
RMS 0.1024
Thrust

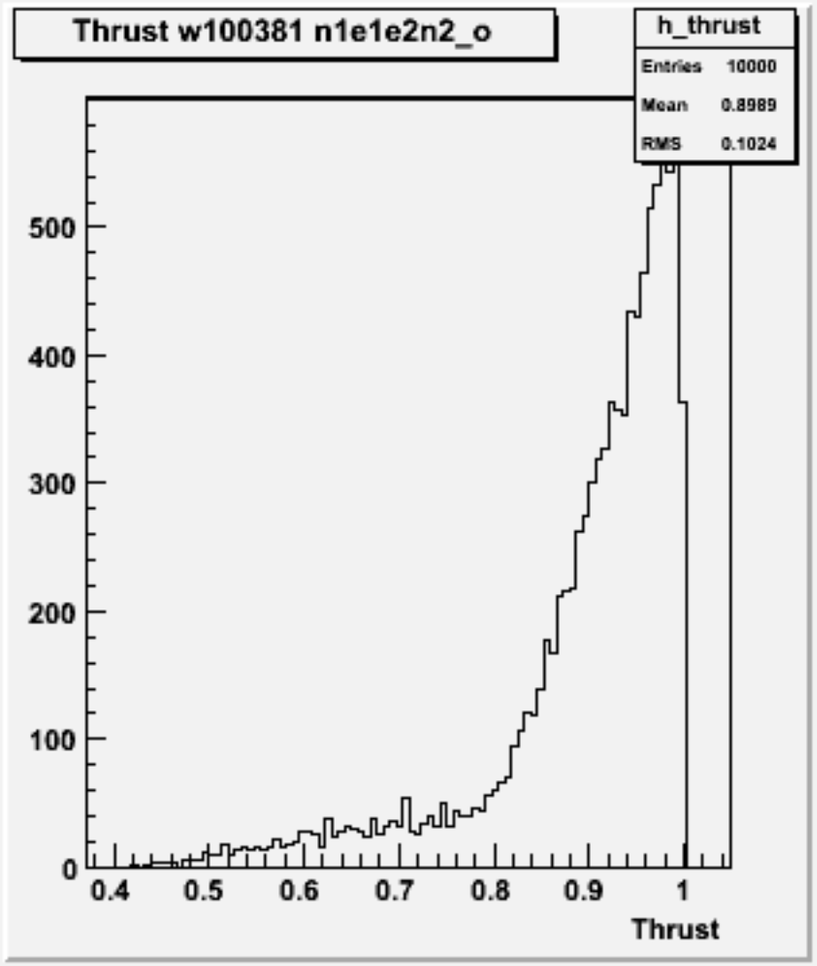

Total Energy (inc. ν): w100381 n1e1e2n2_o
h_etot
Entries 10000
Mean 346.9
RMS 7.41
Total Energy(GeV)

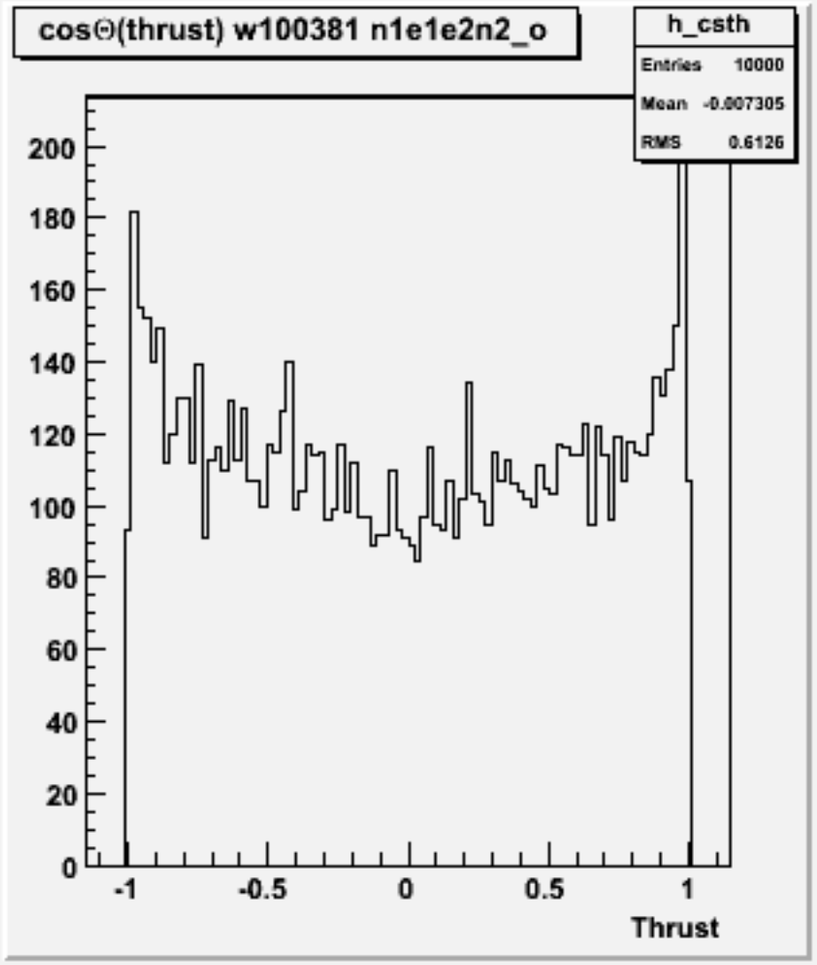

Total Energy (inc. ν): w100381 n1e1e2n2_o
h_etotc
Entries 9101
Mean 348.6
RMS 2.334
Total Energy(GeV)

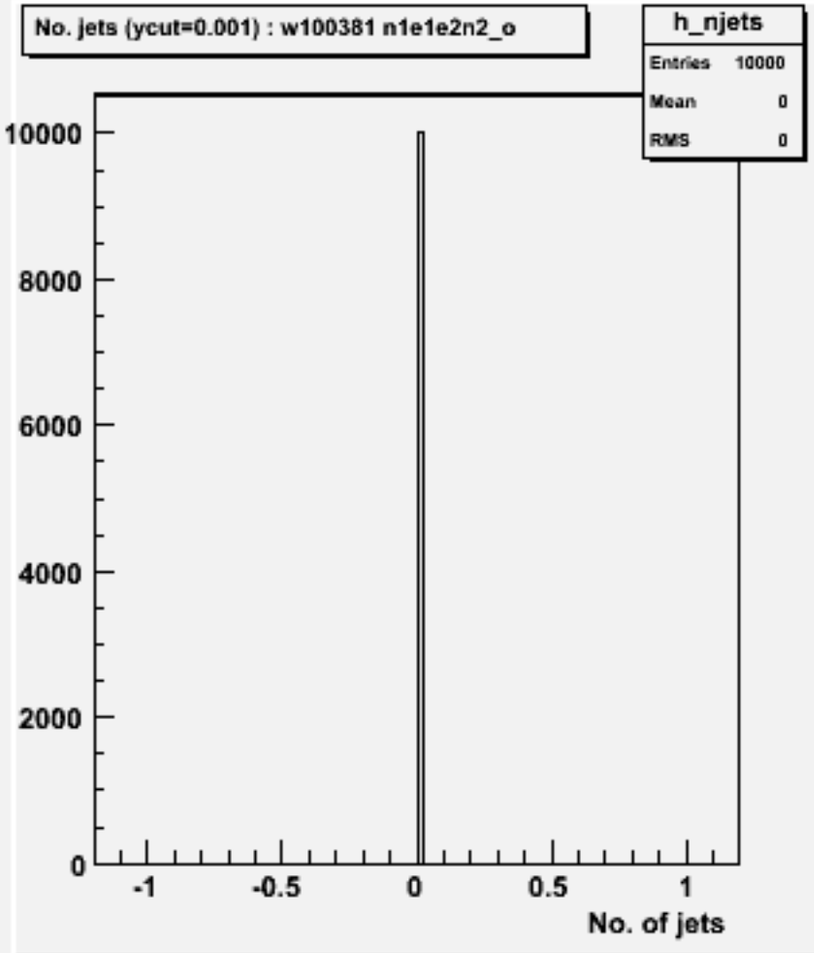

Total Energy (w/o ν): w100381 n1e1e2n2_o
h_evis
Entries 10000
Mean 182.1
RMS 52.96
Energy(GeV)


Pt Sum: w100381 n1e1e2n2_o
h_pt
Entries 10000
Mean 55.45
RMS 30.4
Pt(sum) (GeV)


Pz Sum: w100381 n1e1e2n2_o
h_pz
Entries 10000
Mean 0.3116
RMS 48.04
Pz(sum) (GeV)


Thrust w100381 n1e1e2n2_o
h_thrust
Entries 10000
Mean 0.8989
RMS 0.1024
Thrust

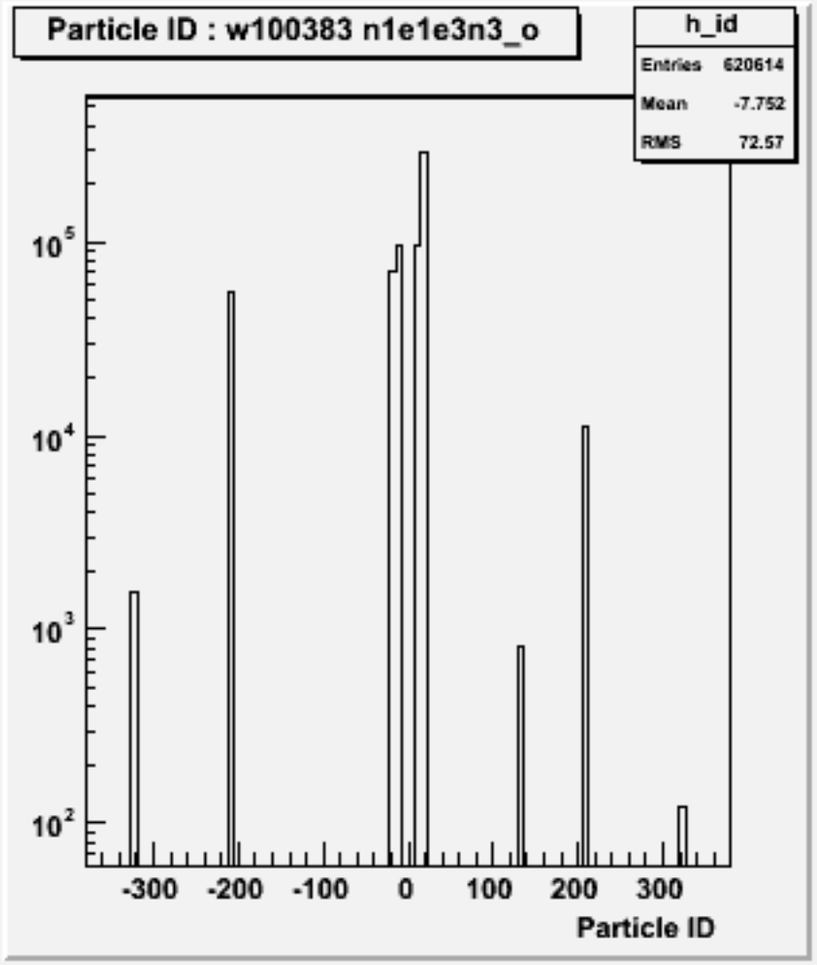


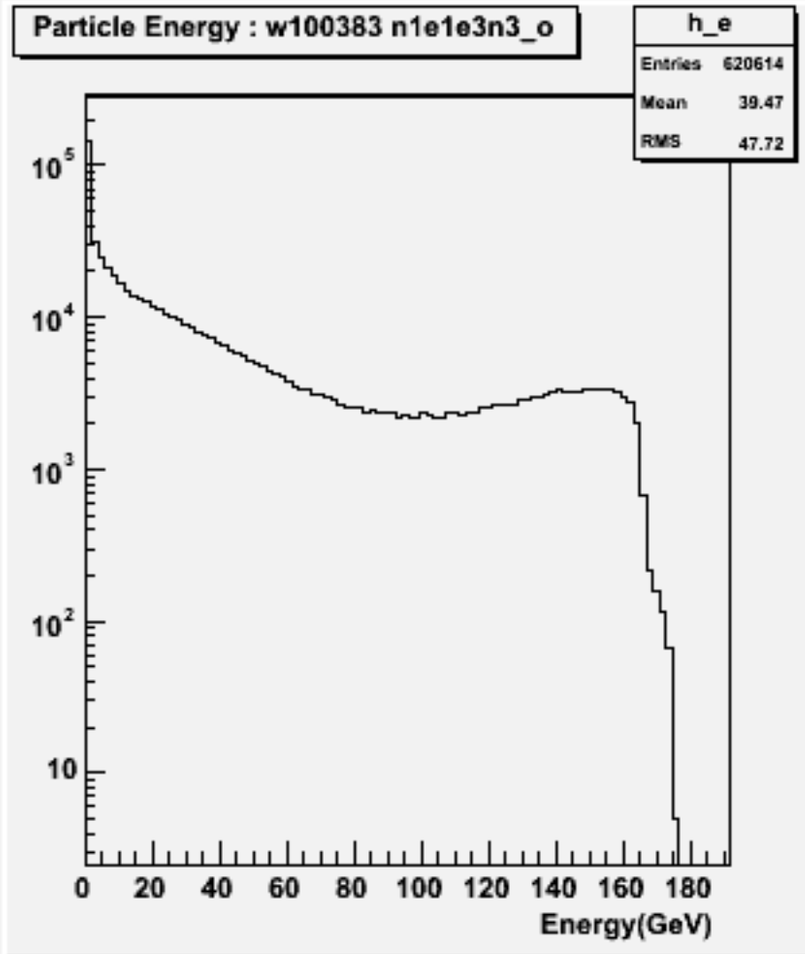


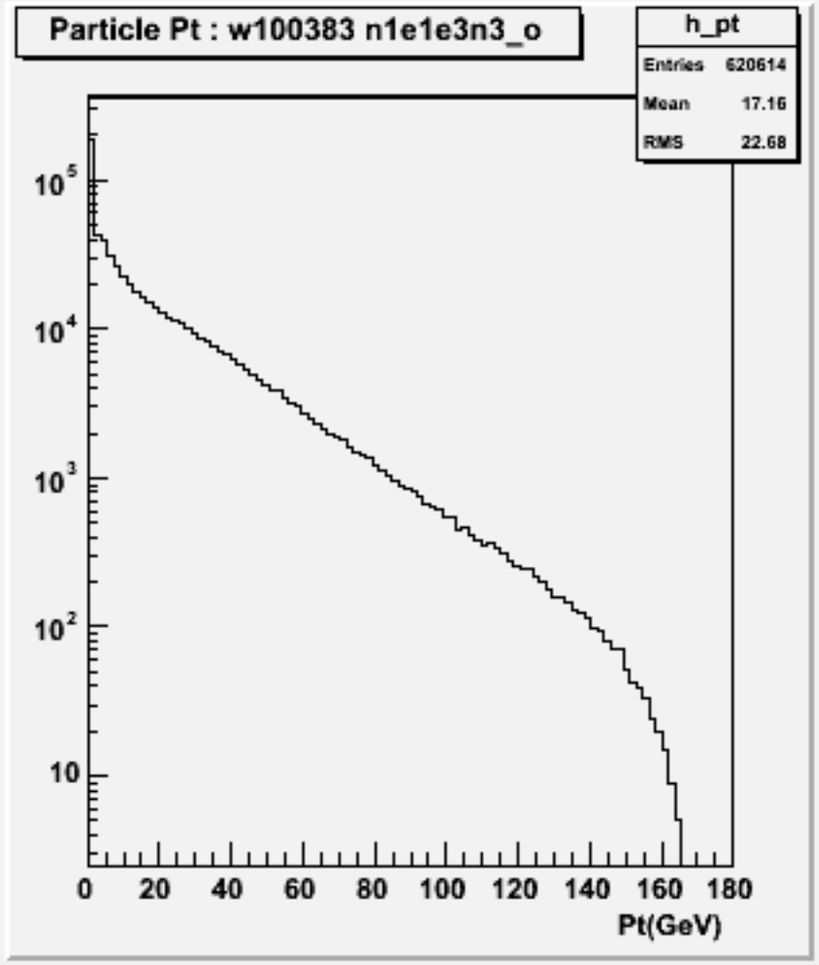
w100381 n1e1e2n2_o

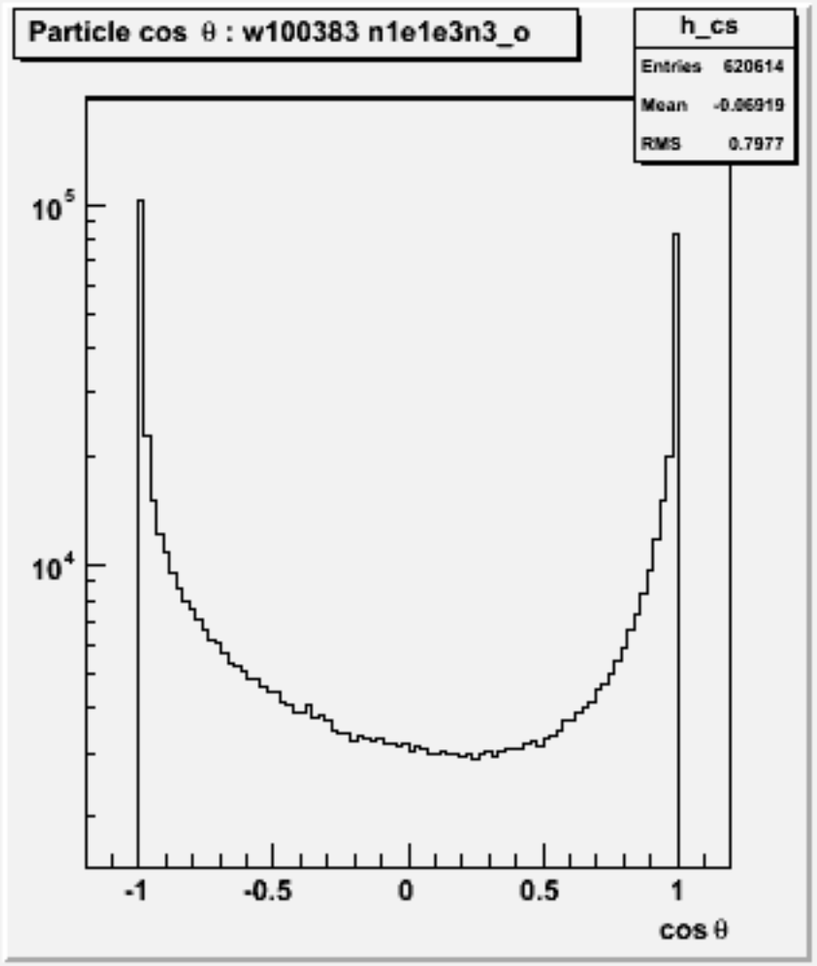
: There are no 2-jets

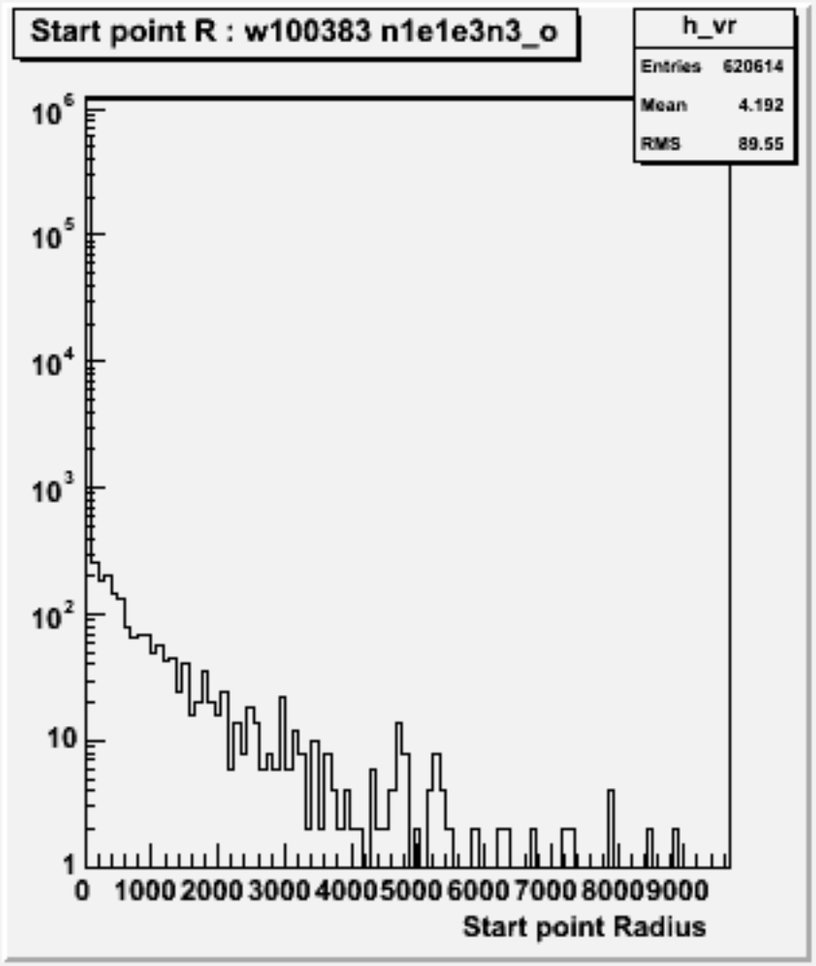
w100381 n1e1e2n2_o : There are no 4-jets

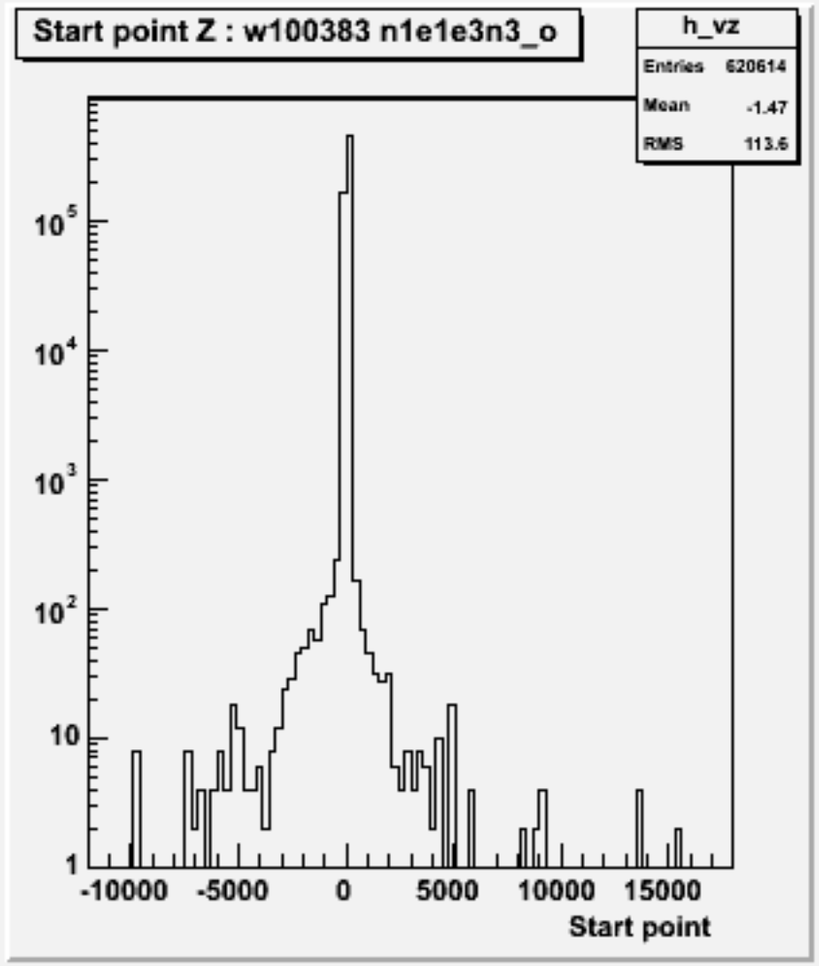

Particle ID : w100383 n1e1e3n3_o
h_id
Entries 620614
Mean -7.752
RMS 72.57
Particle ID

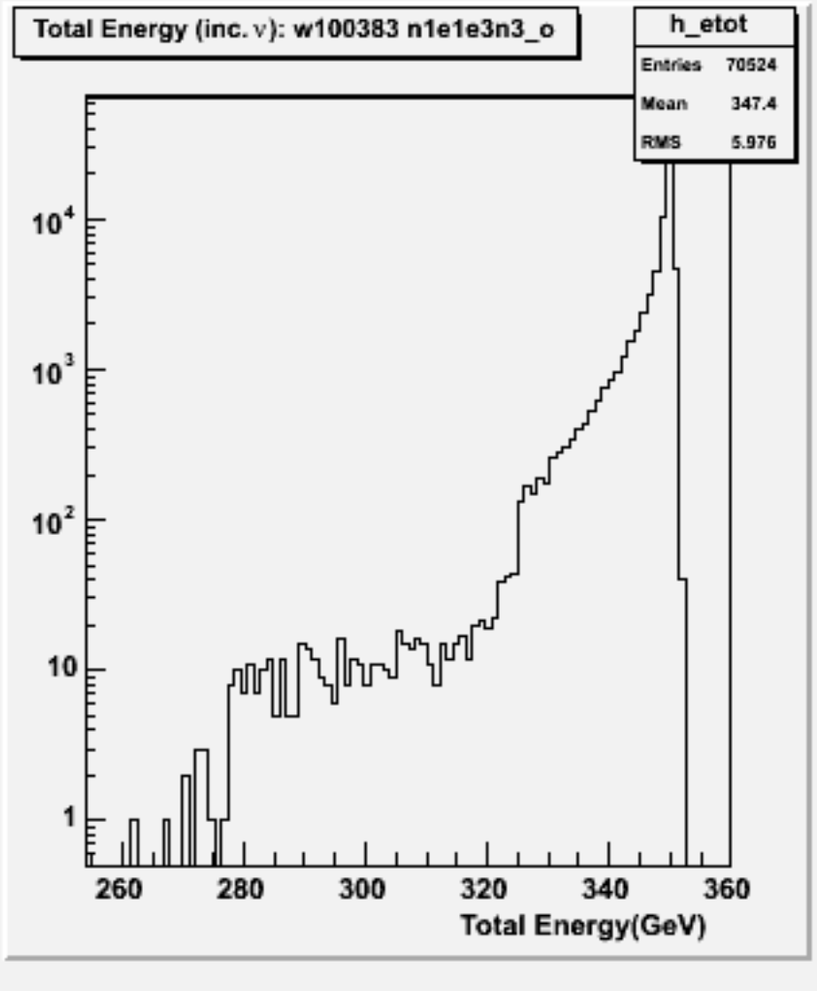

Particle Energy : w100383 n1e1e3n3_o
h_e
Entries 620614
Mean 39.47
RMS 47.72
Energy(GeV)

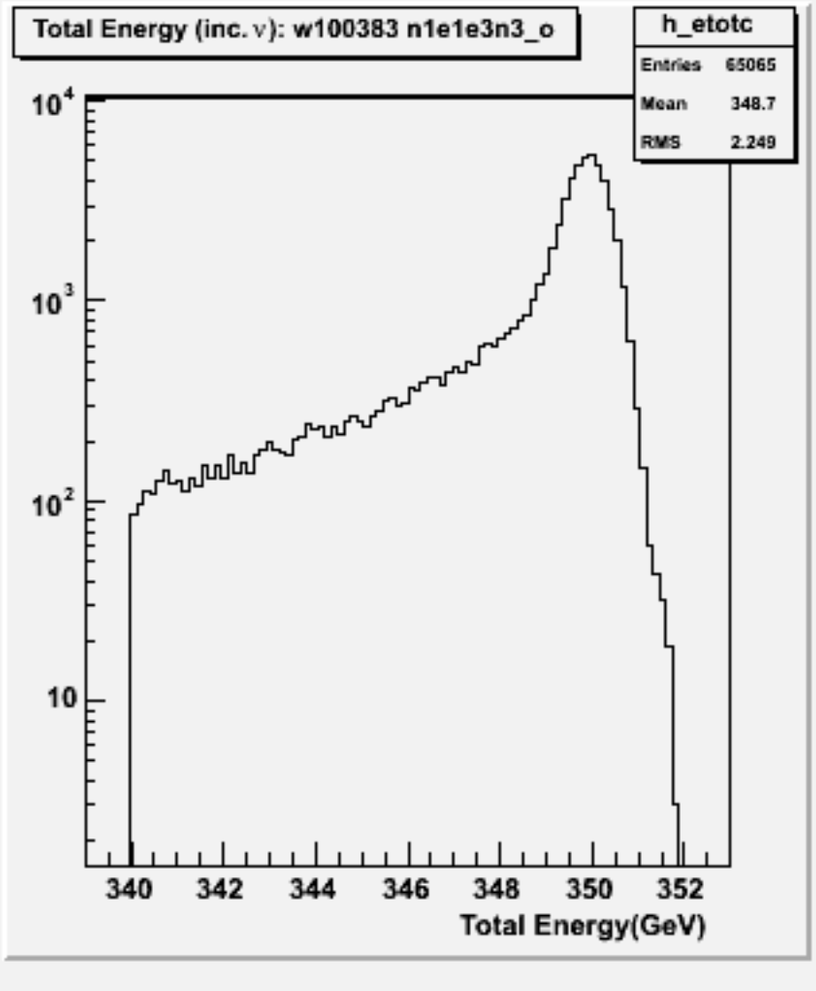

Particle Pt : w100383 n1e1e3n3_o
h_pt
Entries 620614
Mean 17.16
RMS 22.68
Pt(GeV)

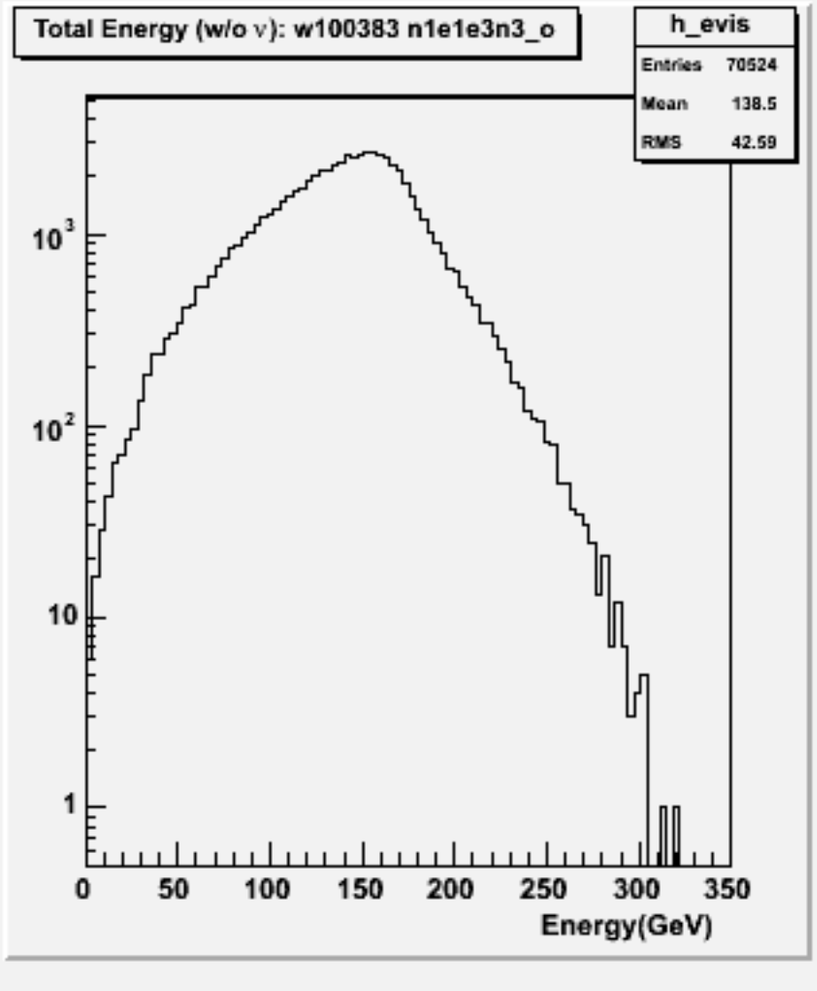

Particle cos θ : w100383 n1e1e3n3_o
h_cs
Entries 620614
Mean -0.06919
RMS 0.7977
cos θ

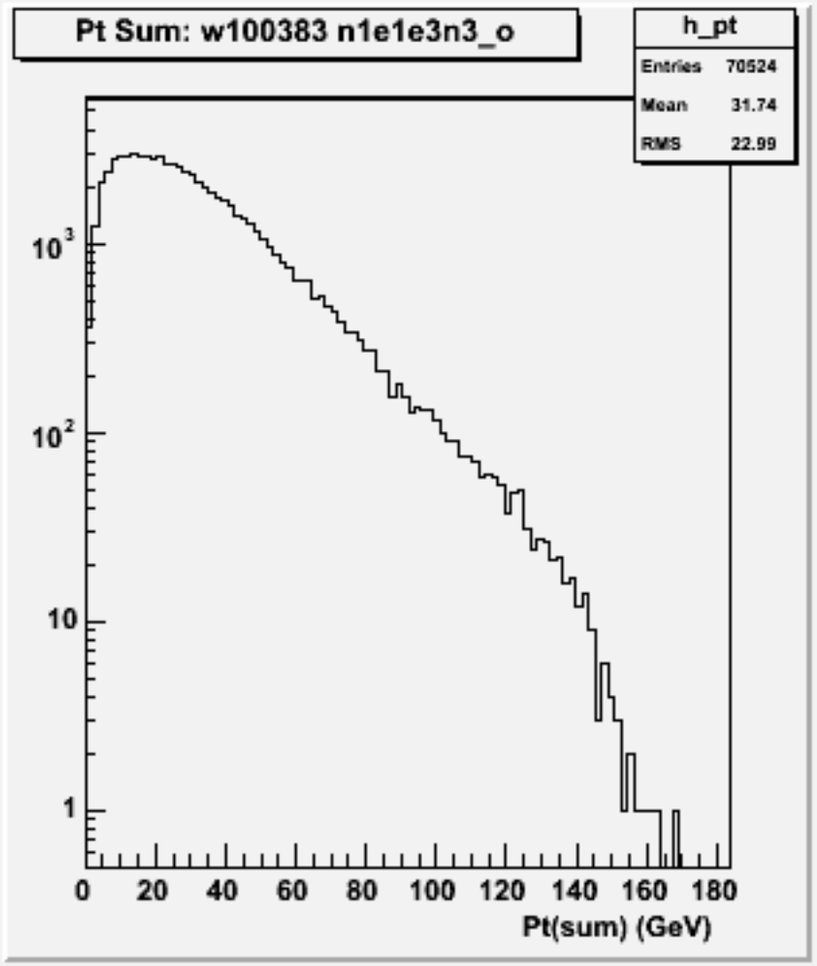

Start point R : w100383 n1e1e3n3_o
h_vr
Entries 620614
Mean 4.192
RMS 89.55
Start point Radius

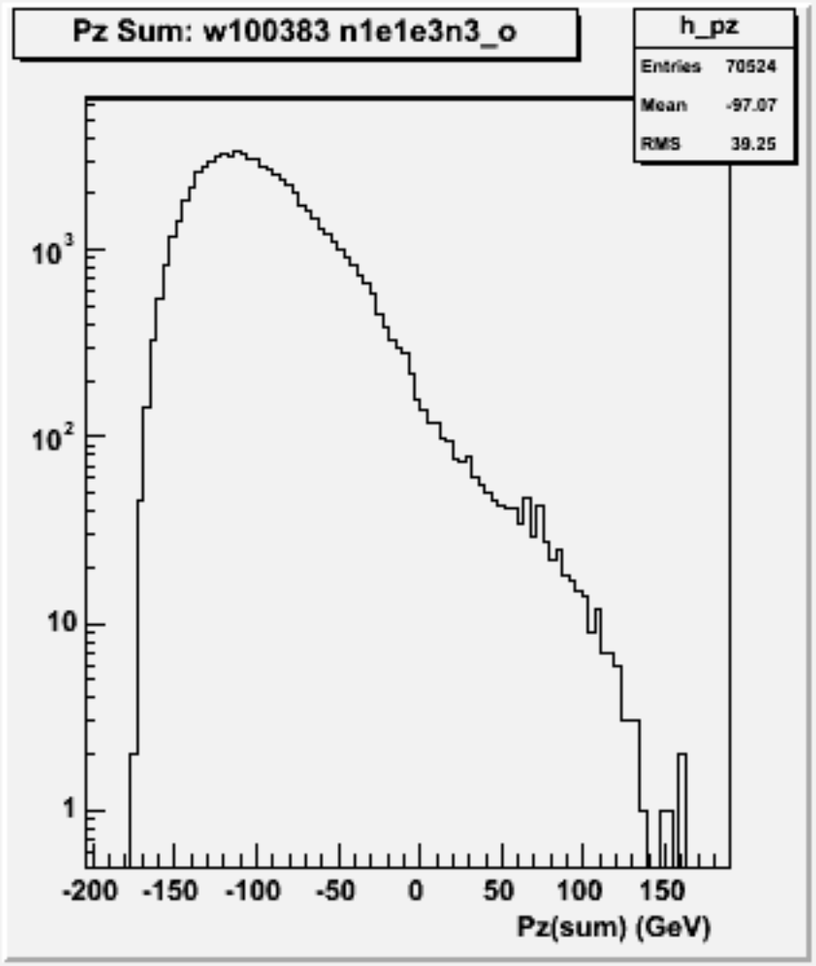

Start point Z : w100383 n1e1e3n3_o
h_vz
Entries 620614
Mean -1.47
RMS 113.6
Start point

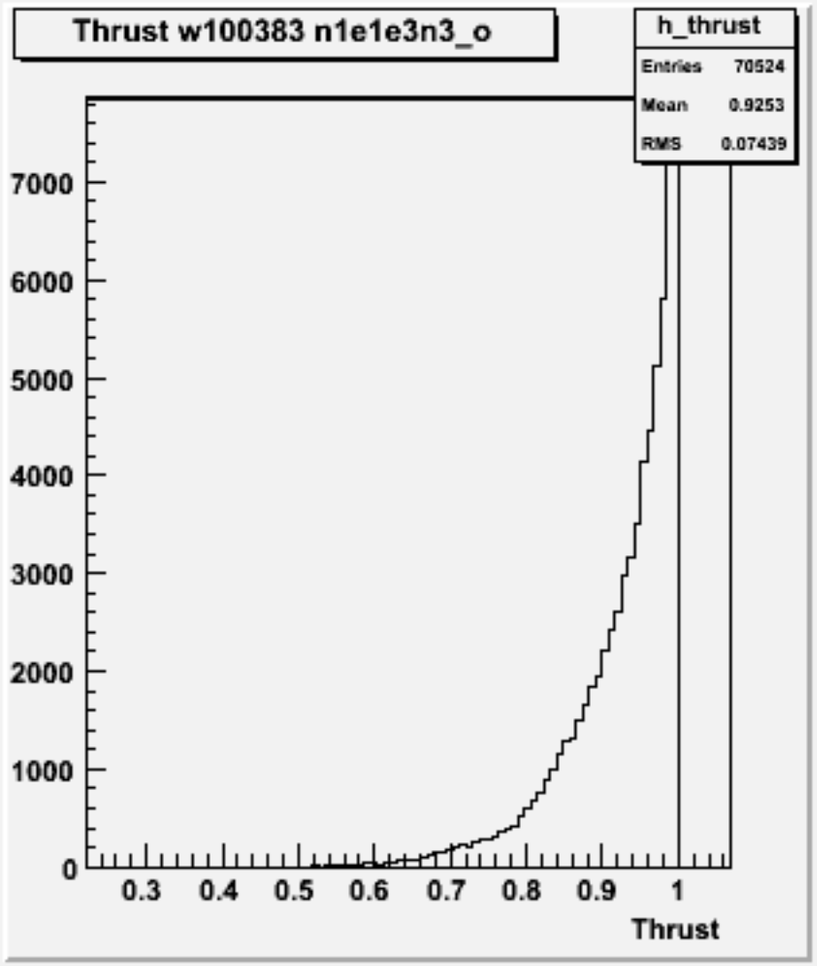

Total Energy (inc. ν): w100383 n1e1e3n3_o
h_etot
Entries 70524
Mean 347.4
RMS 5.976
Total Energy(GeV)

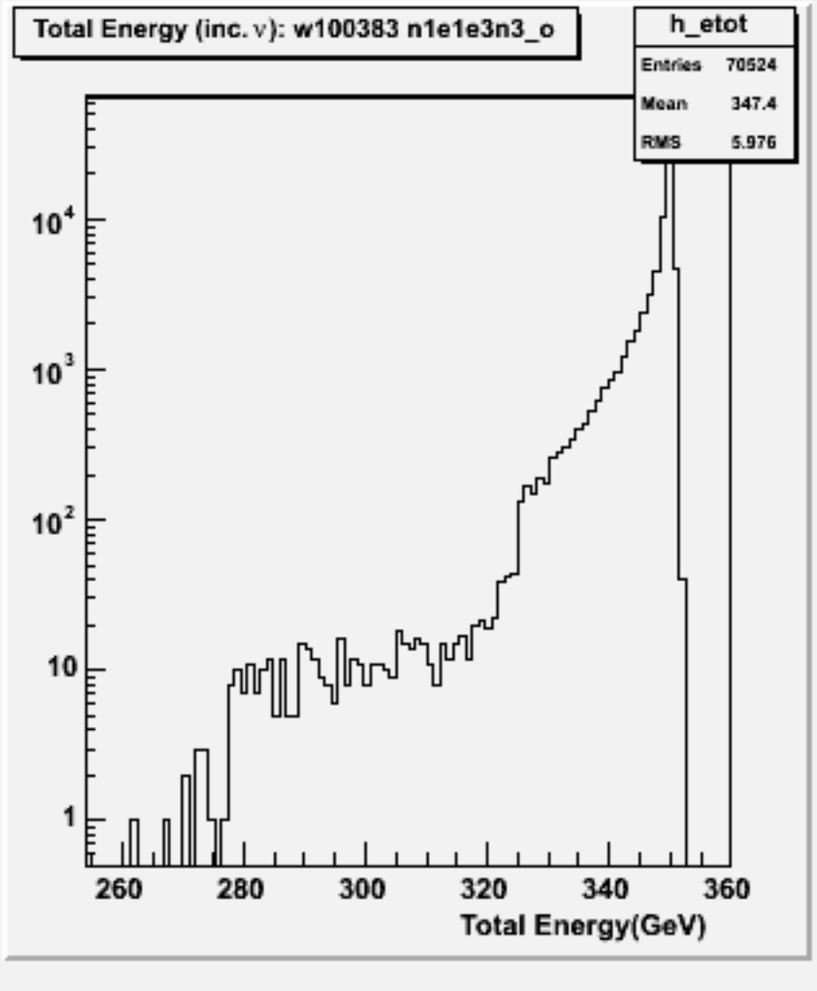

Total Energy (inc. ν): w100383 n1e1e3n3_o
h_etotc
Entries 65065
Mean 348.7
RMS 2.249
Total Energy(GeV)

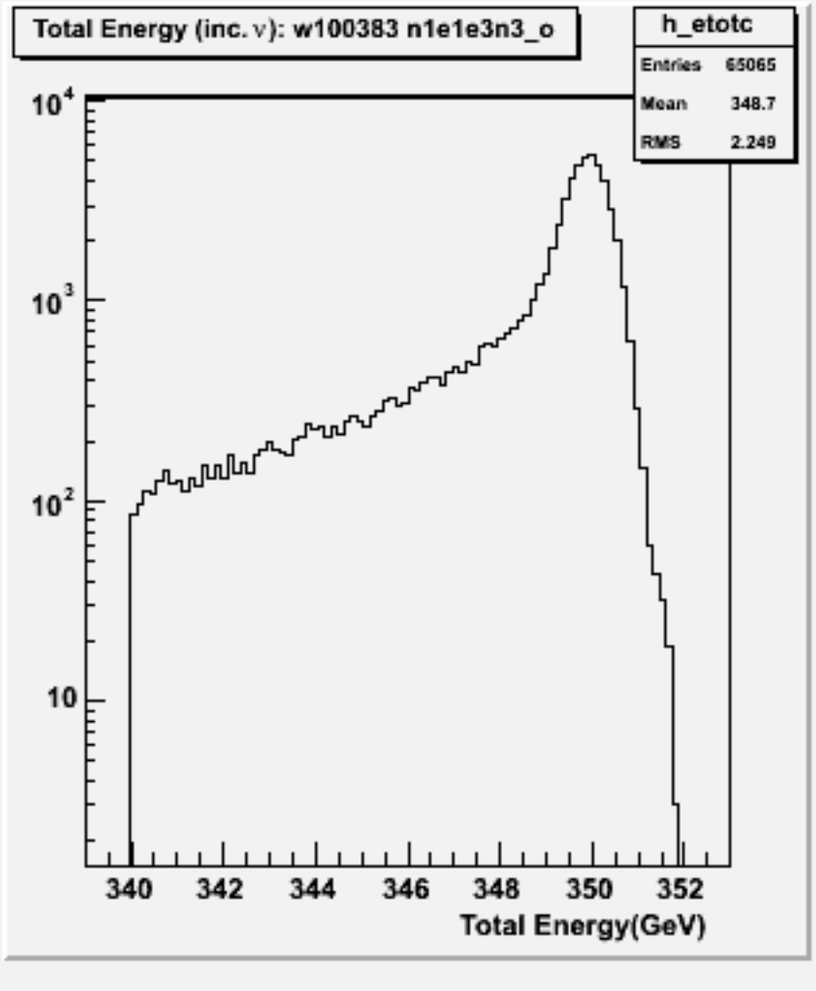

Total Energy (w/o ν): w100383 n1e1e3n3_o
h_evis
Entries 70524
Mean 138.5
RMS 42.59
Energy(GeV)

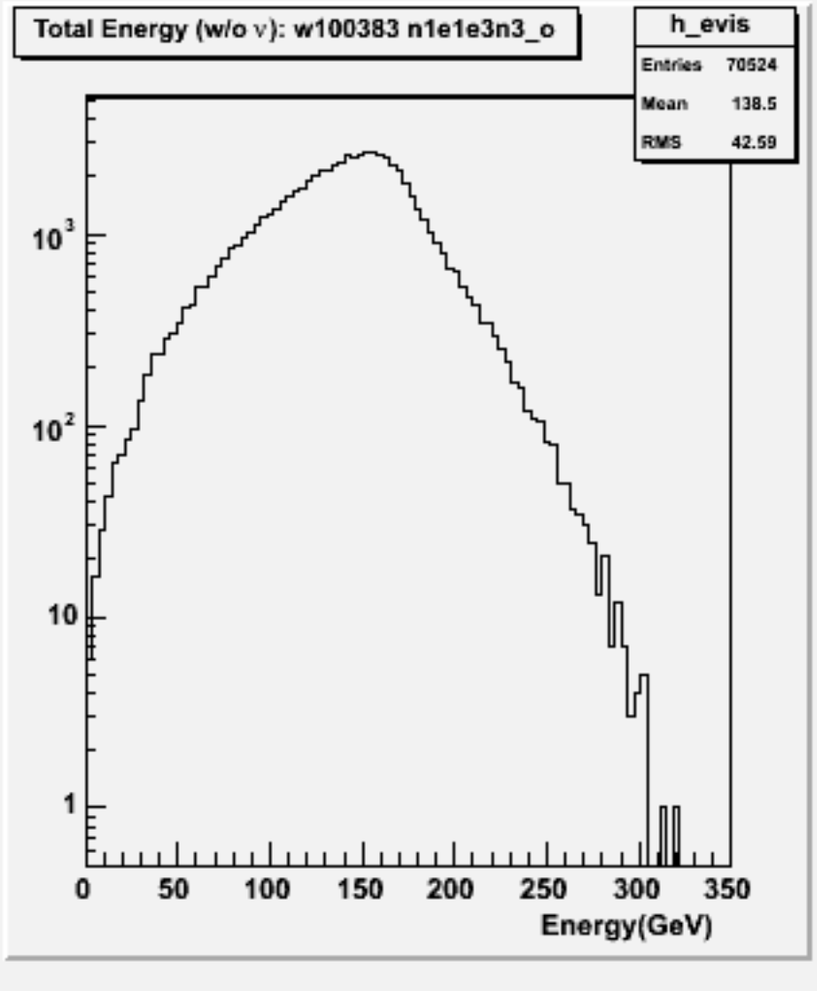

Pt Sum: w100383 n1e1e3n3_o
h_pt
Entries 70524
Mean 31.74
RMS 22.99
Pt(sum) (GeV)

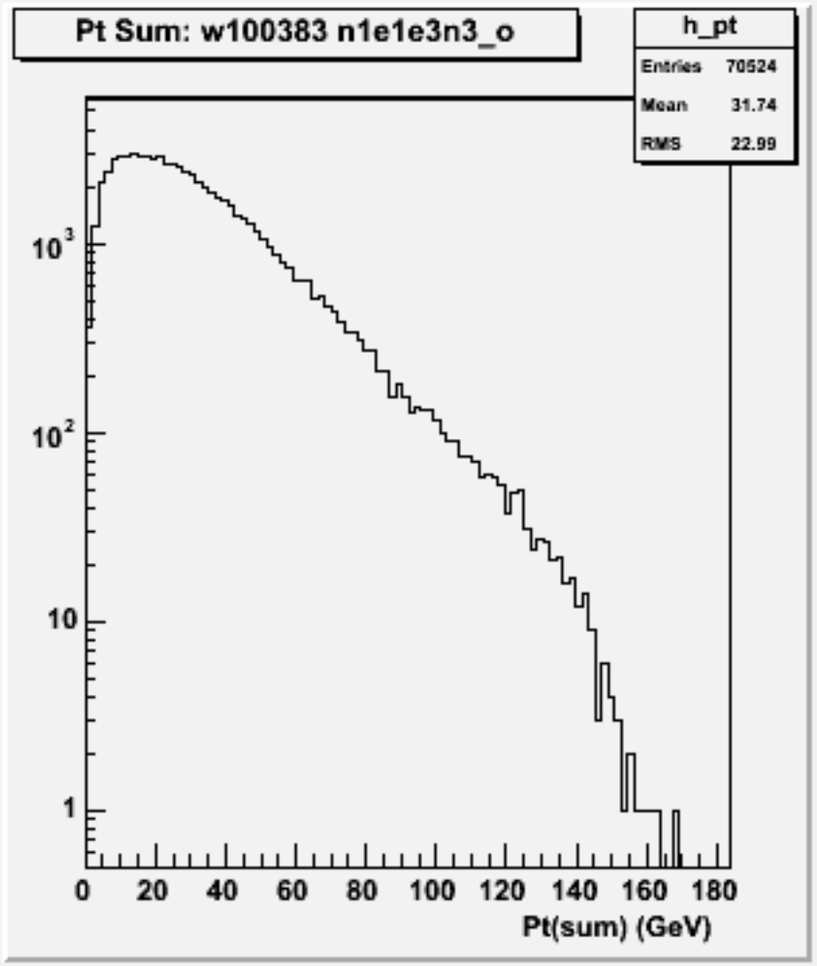

Pz Sum: w100383 n1e1e3n3_o
h_pz
Entries 70524
Mean -97.07
RMS 39.25
Pz(sum) (GeV)

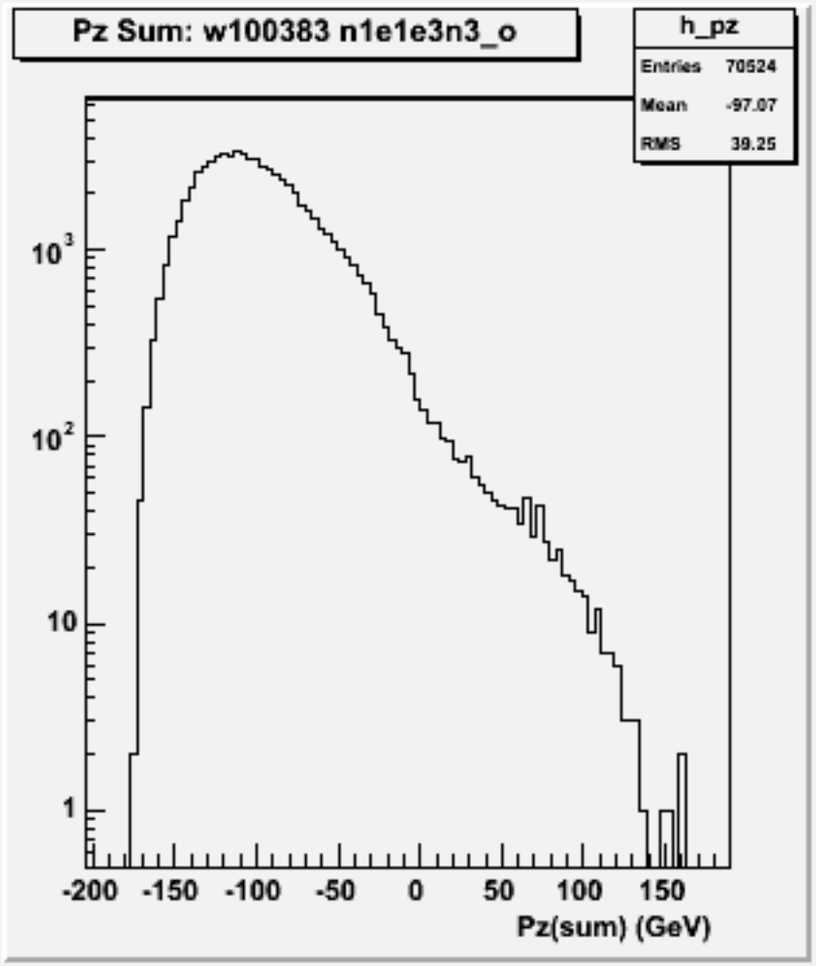

Thrust w100383 n1e1e3n3_o
h_thrust
Entries 70524
Mean 0.9253
RMS 0.07439
Thrust

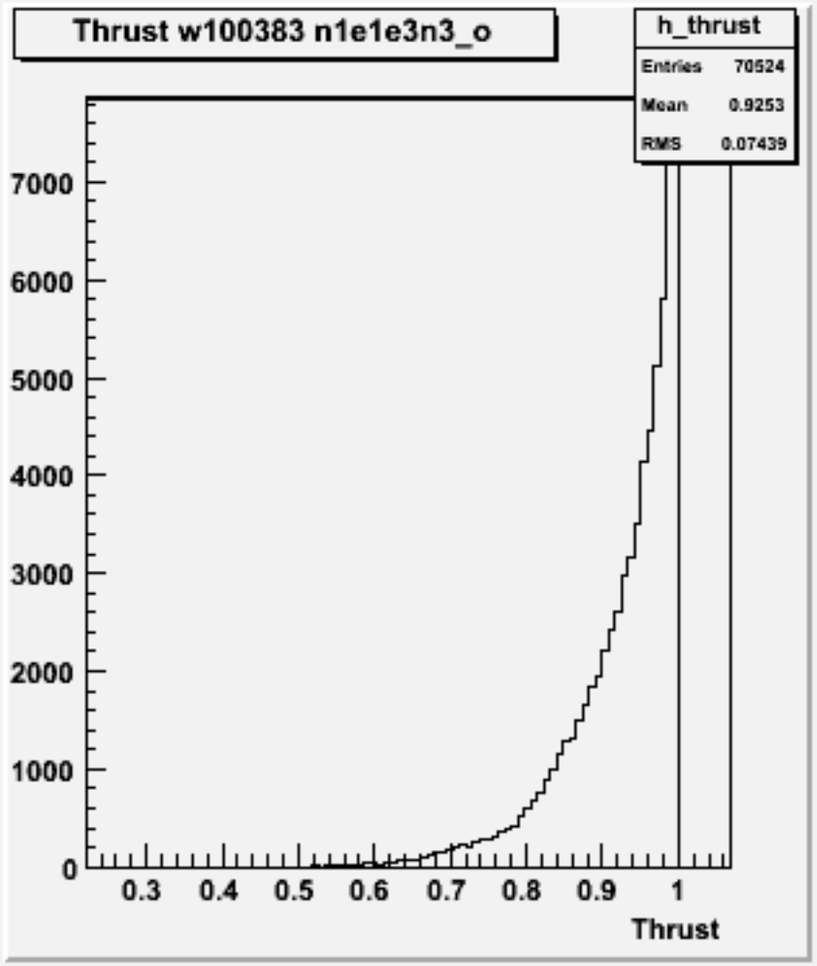

Total Energy (inc. ν): w100383 n1e1e3n3_o
h_etot
Entries 70524
Mean 347.4
RMS 5.976
Total Energy(GeV)

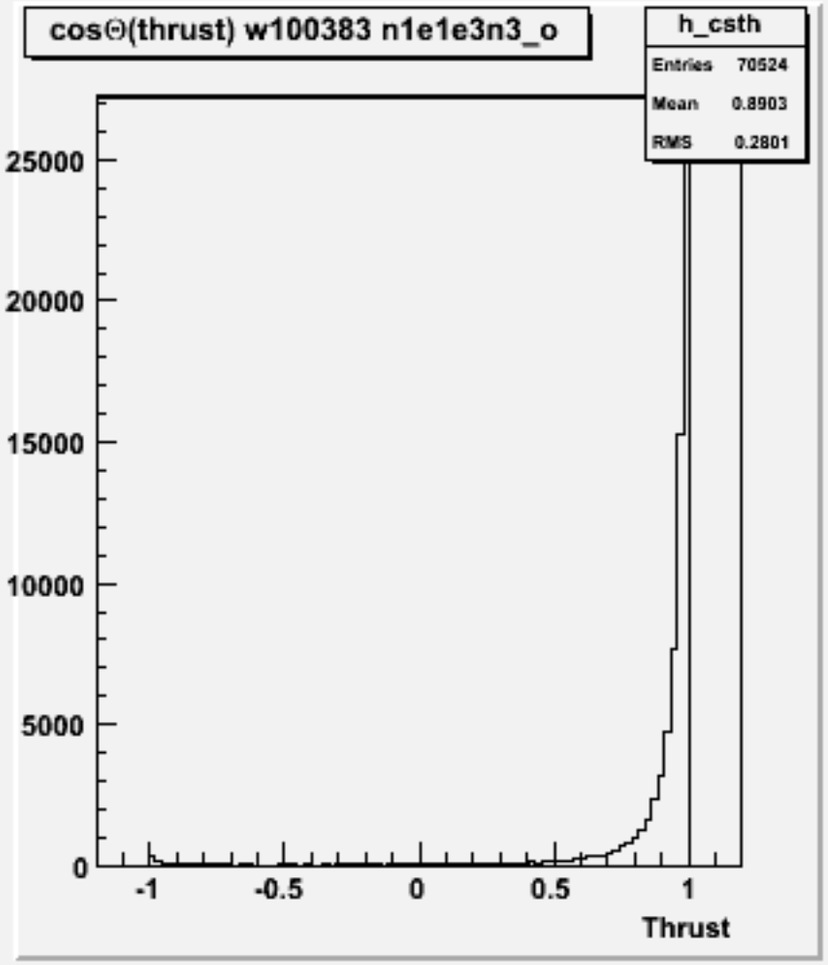

Total Energy (inc. ν): w100383 n1e1e3n3_o
h_etotc
Entries 65065
Mean 348.7
RMS 2.249
Total Energy(GeV)

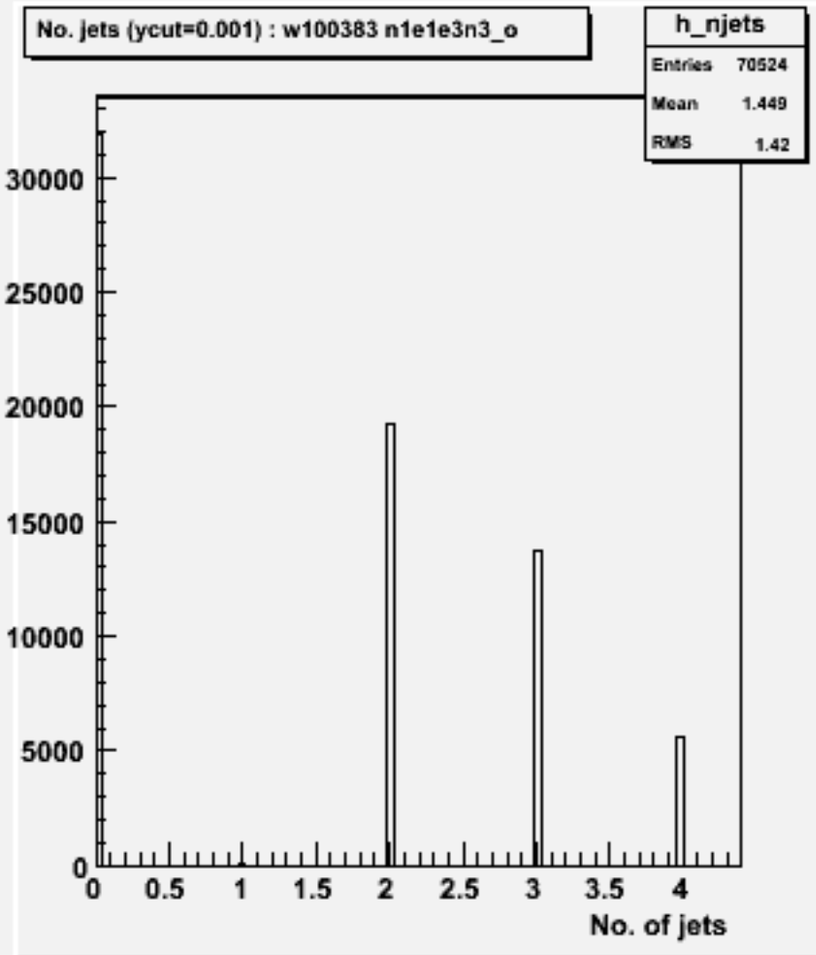

Total Energy (w/o ν): w100383 n1e1e3n3_o
h_evis
Entries 70524
Mean 138.5
RMS 42.59
Energy(GeV)

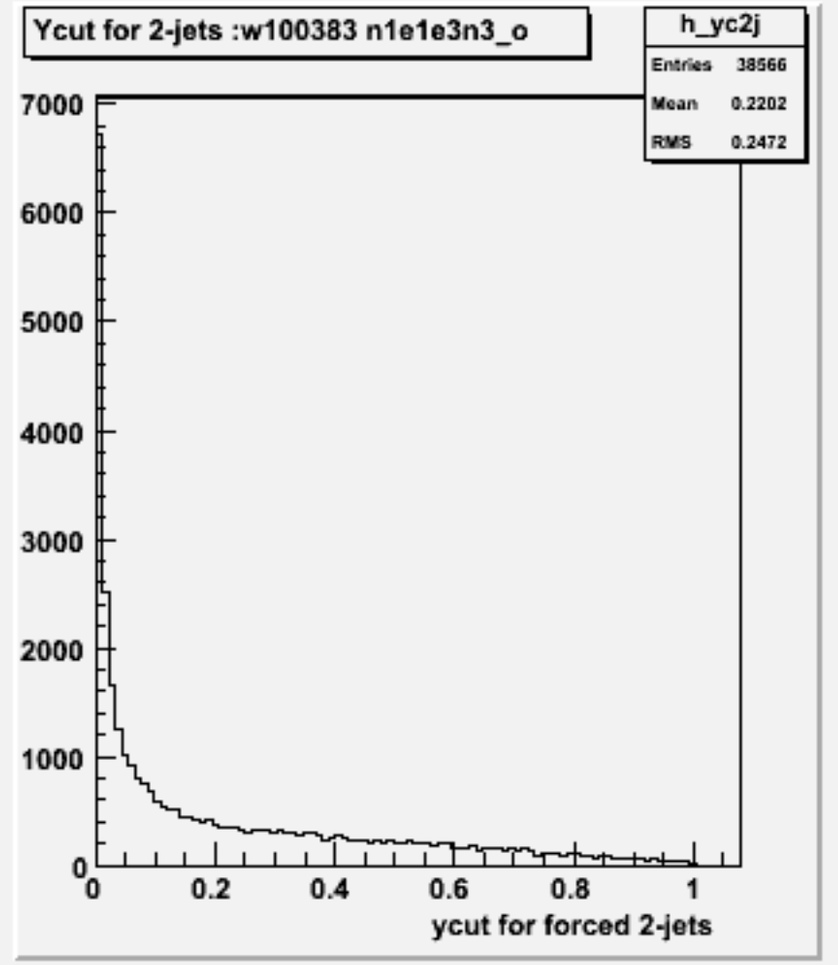

Pt Sum: w100383 n1e1e3n3_o
h_pt
Entries 70524
Mean 31.74
RMS 22.99
Pt(sum) (GeV)

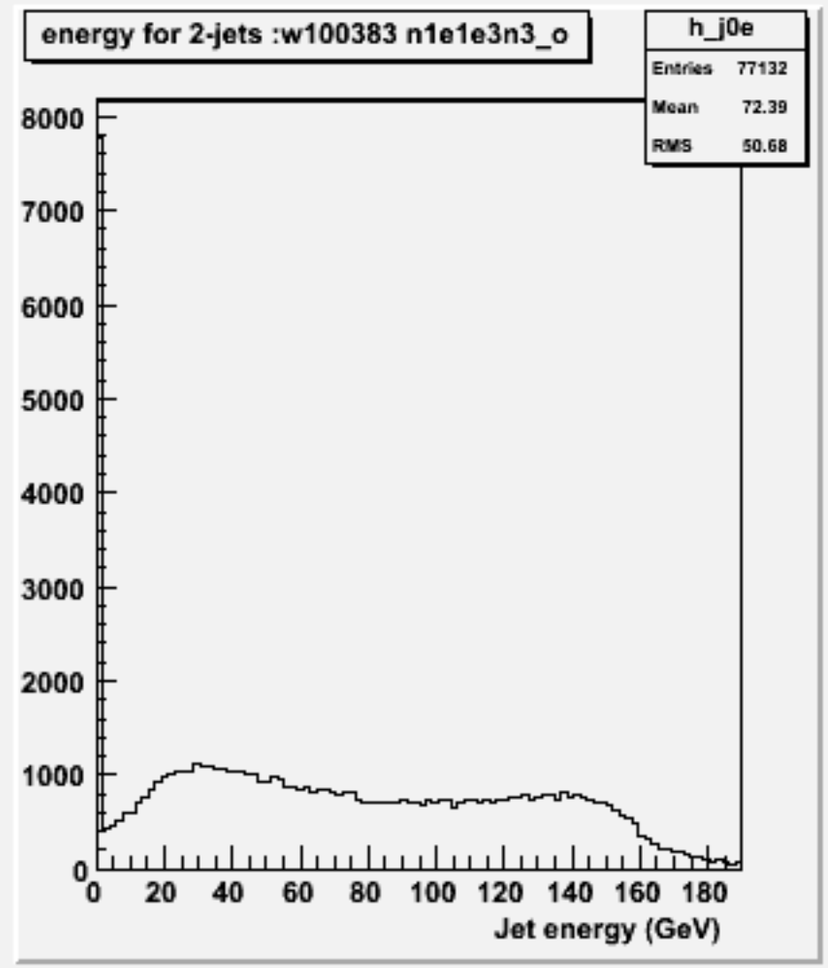

Pz Sum: w100383 n1e1e3n3_o
h_pz
Entries 70524
Mean -97.07
RMS 39.25
Pz(sum) (GeV)

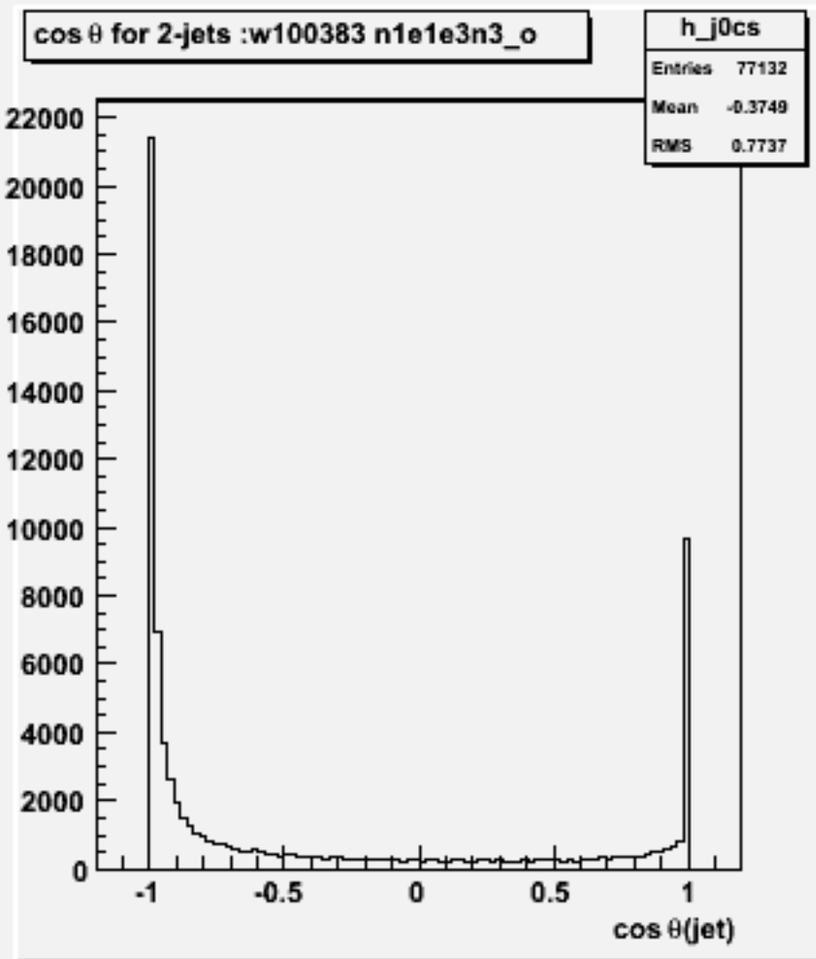

Thrust w100383 n1e1e3n3_o
h_thrust
Entries 70524
Mean 0.9253
RMS 0.07439
Thrust

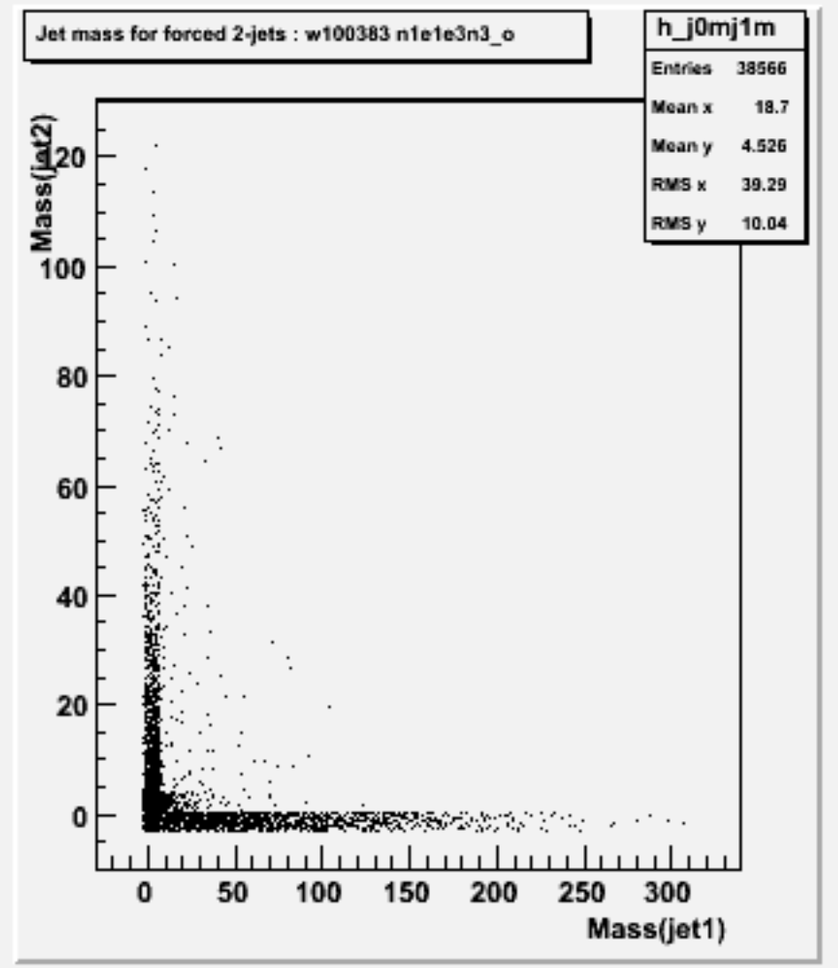

cosΘ(thrust) w100383 n1e1e3n3_o
h_csth
Entries 70524
Mean 0.8903
RMS 0.2801
Thrust

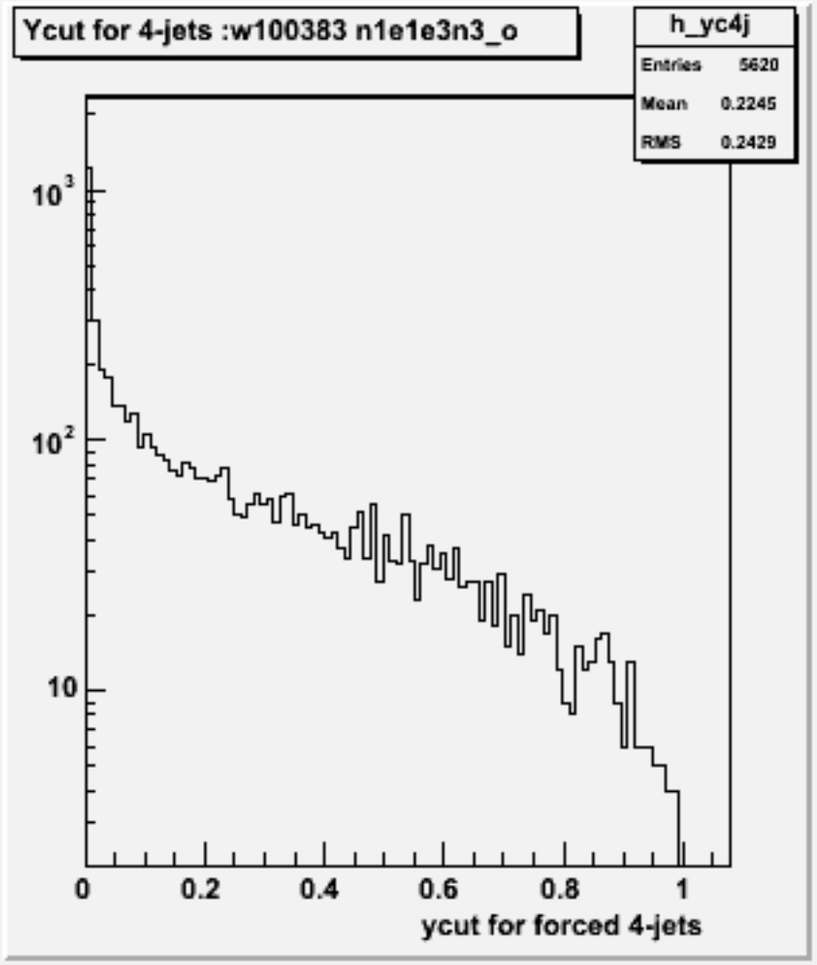

No. jets (ycut=0.001) : w100383 n1e1e3n3_o
h_njets
Entries 70524
Mean 1.449
RMS 1.42
No. of jets

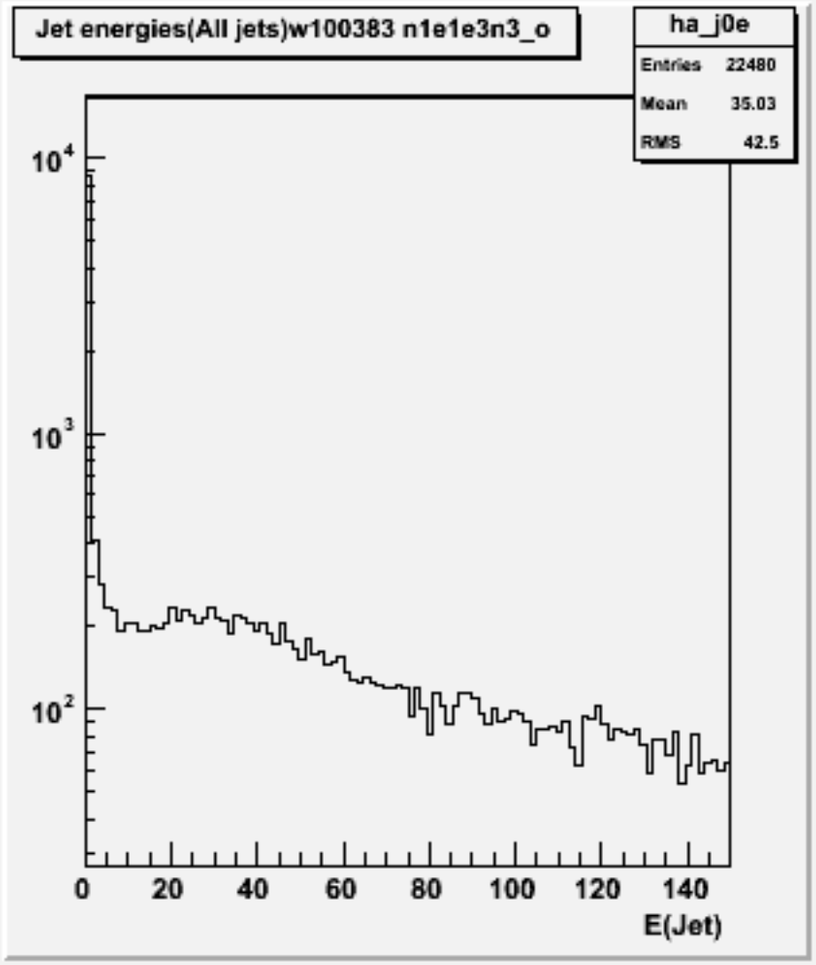

Ycut for 2-jets :w100383 n1e1e3n3_o
h_yc2j
Entries 38566
Mean 0.2202
RMS 0.2472
ycut for forced 2-jets

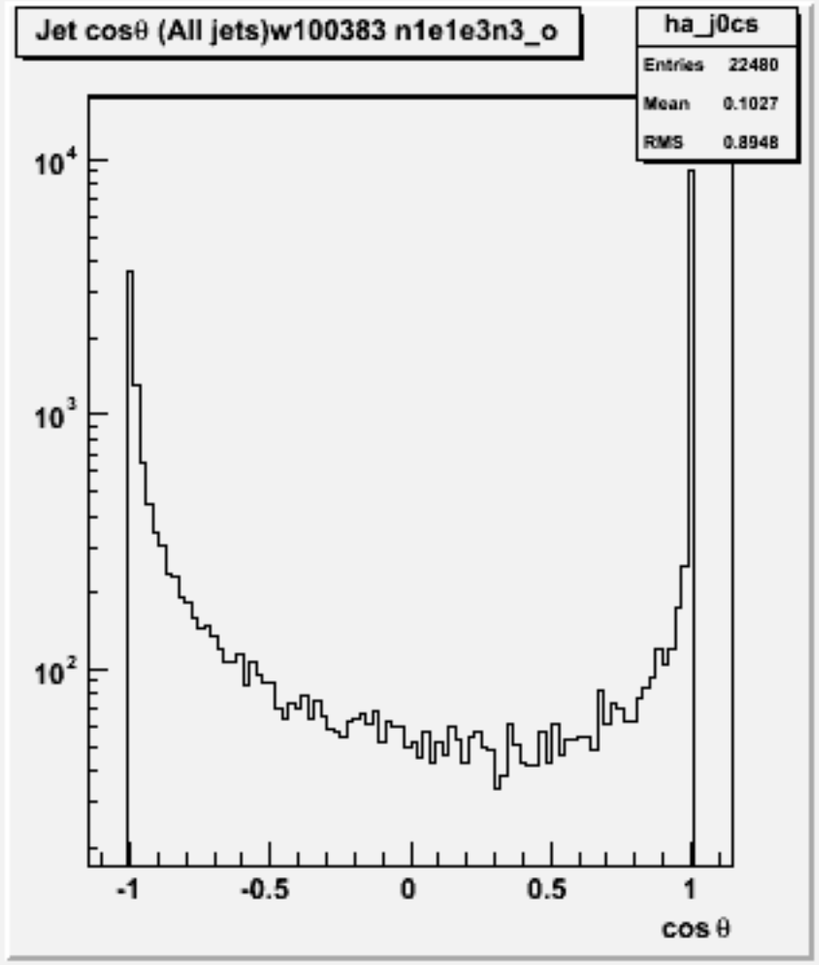

energy for 2-jets :w100383 n1e1e3n3_o
h_j0e
Entries 77132
Mean 72.39
RMS 50.68
Jet energy (GeV)

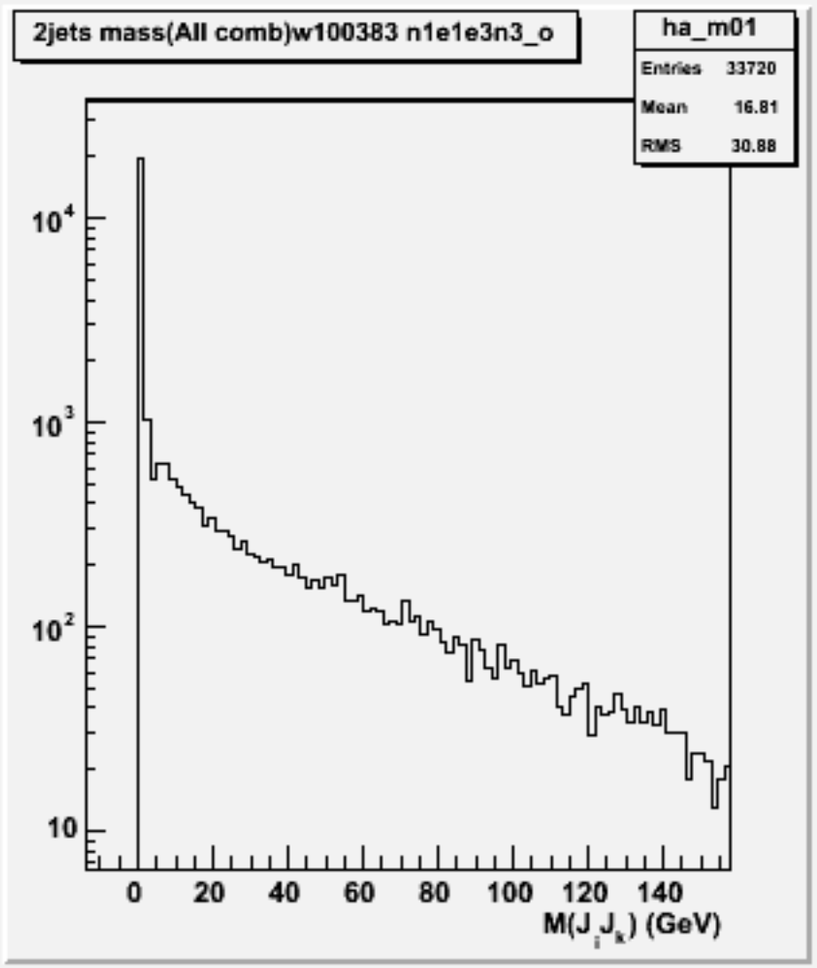

cos θ for 2-jets :w100383 n1e1e3n3_o
h_j0cs
Entries 77132
Mean -0.3749
RMS 0.7737
cos θ(jet)

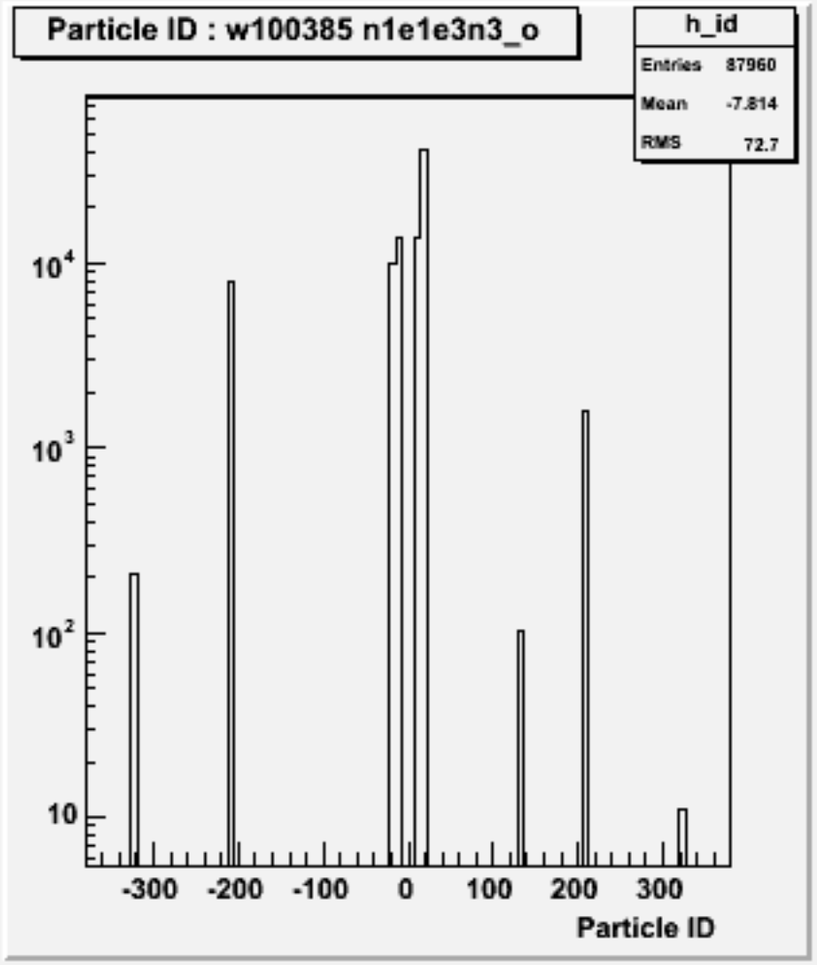

Jet mass for forced 2-jets : w100383 n1e1e3n3_o
h_j0mj1m
Entries 38566
Mean x 18.7
Mean y 4.526
RMS x 39.29
RMS y 10.04
Mass(jet2)
Mass(jet1)

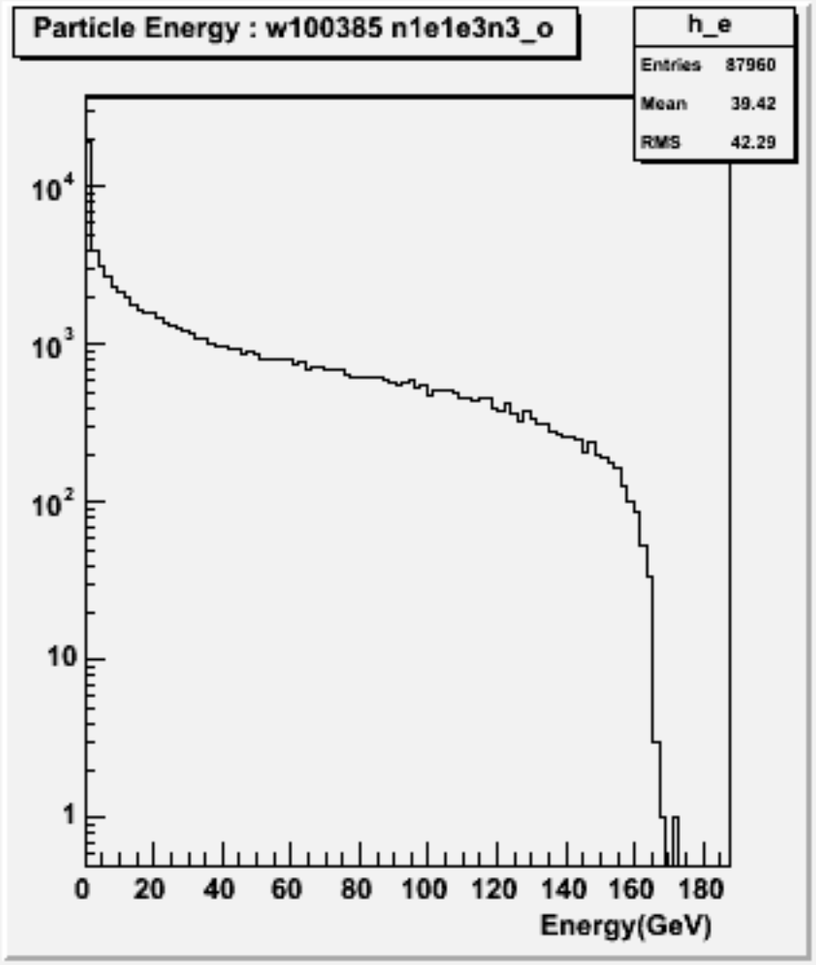

Ycut for 4-jets :w100383 n1e1e3n3_o
h_yc4j
Entries 5620
Mean 0.2245
RMS 0.2429
ycut for forced 4-jets

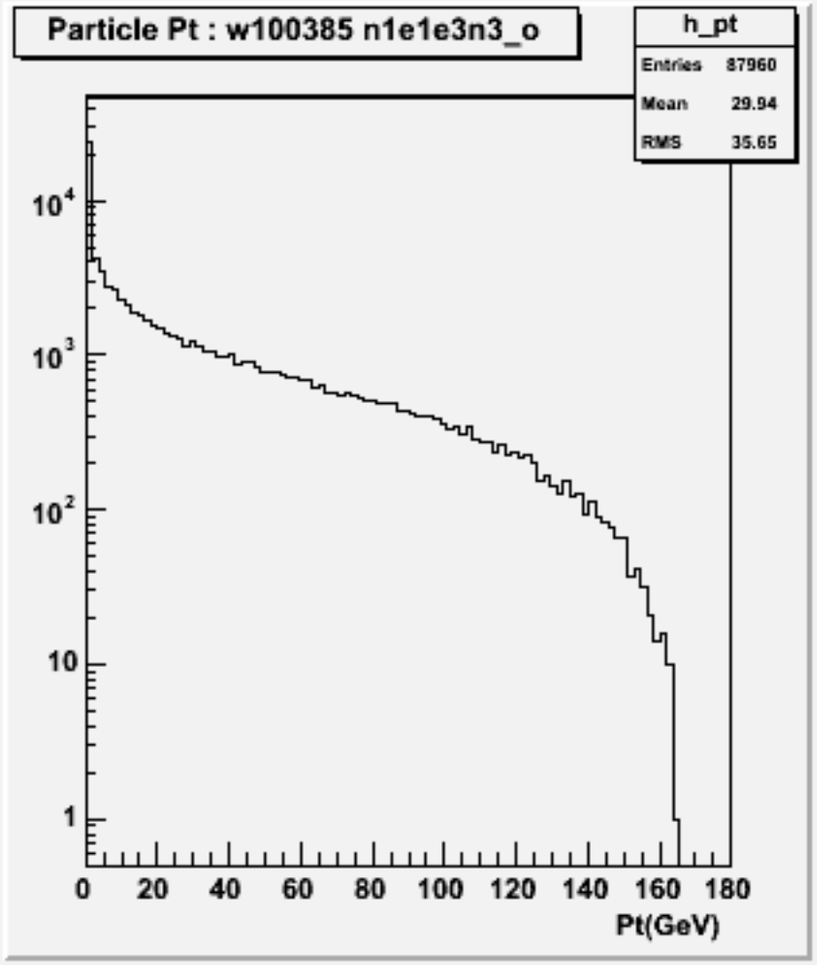

Jet energies(All jets)w100383 n1e1e3n3_o
ha_j0e
Entries 22480
Mean 35.03
RMS 42.5
E(Jet)

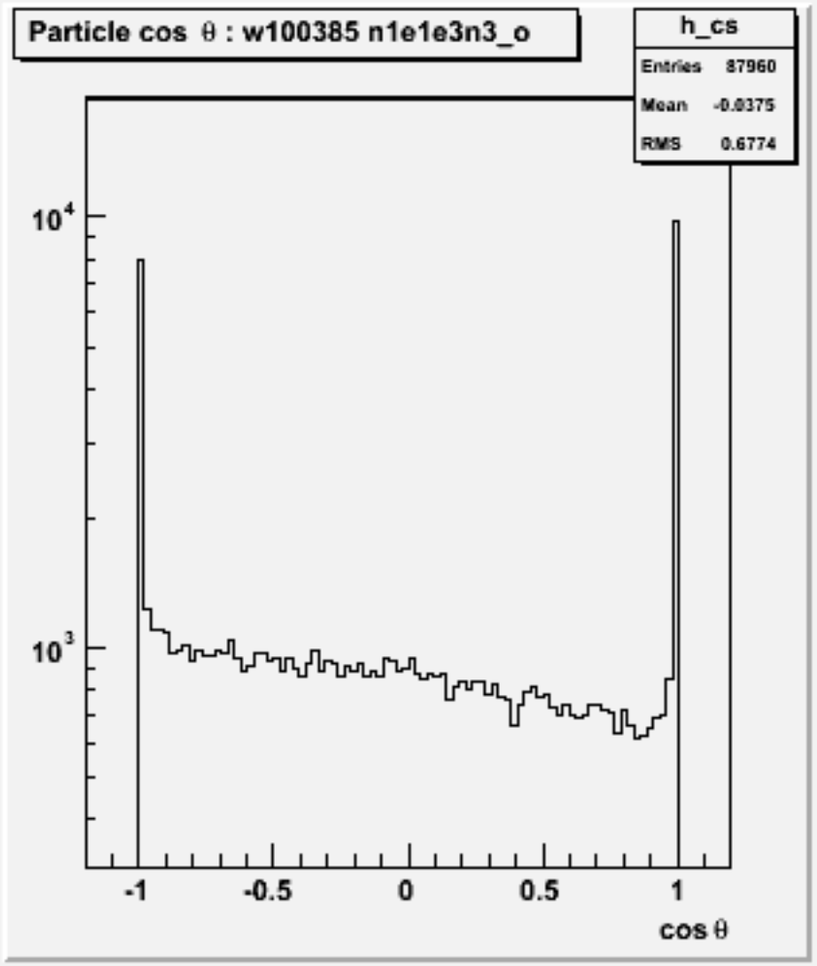

Jet cosθ (All jets)w100383 n1e1e3n3_o
ha_j0cs
Entries 22480
Mean 0.1027
RMS 0.8948
cos θ

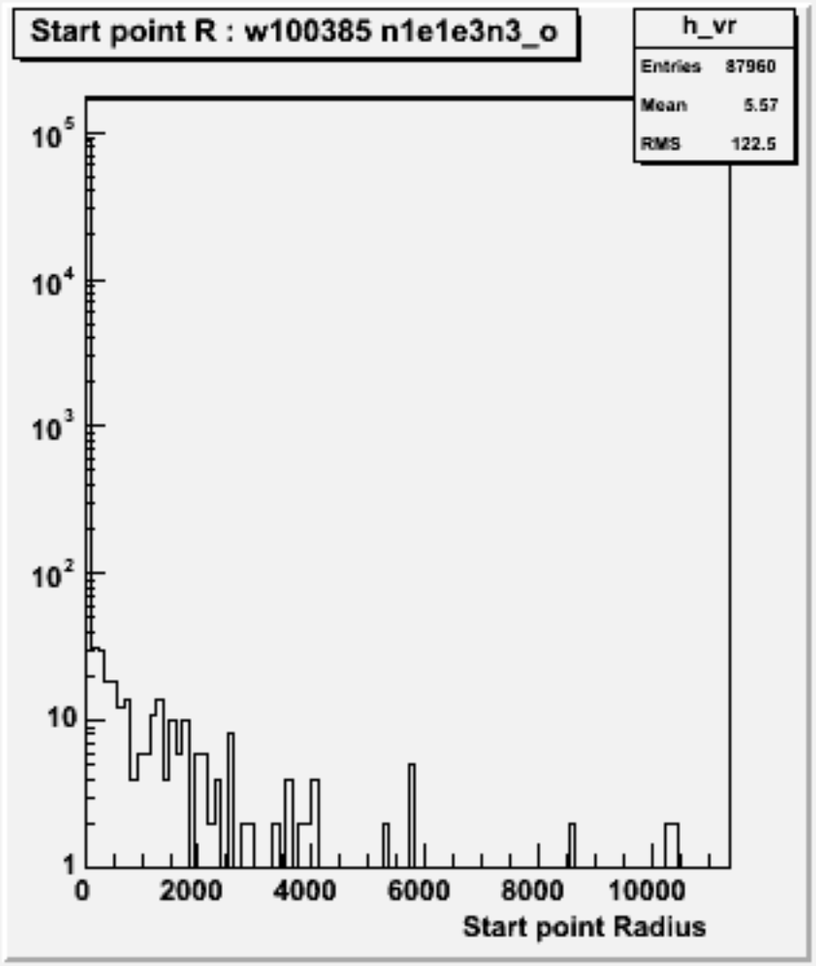

2jets mass(All comb)w100383 n1e1e3n3_o
ha_m01
Entries 33720
Mean 16.81
RMS 30.88
M(J_iJ_k) (GeV)

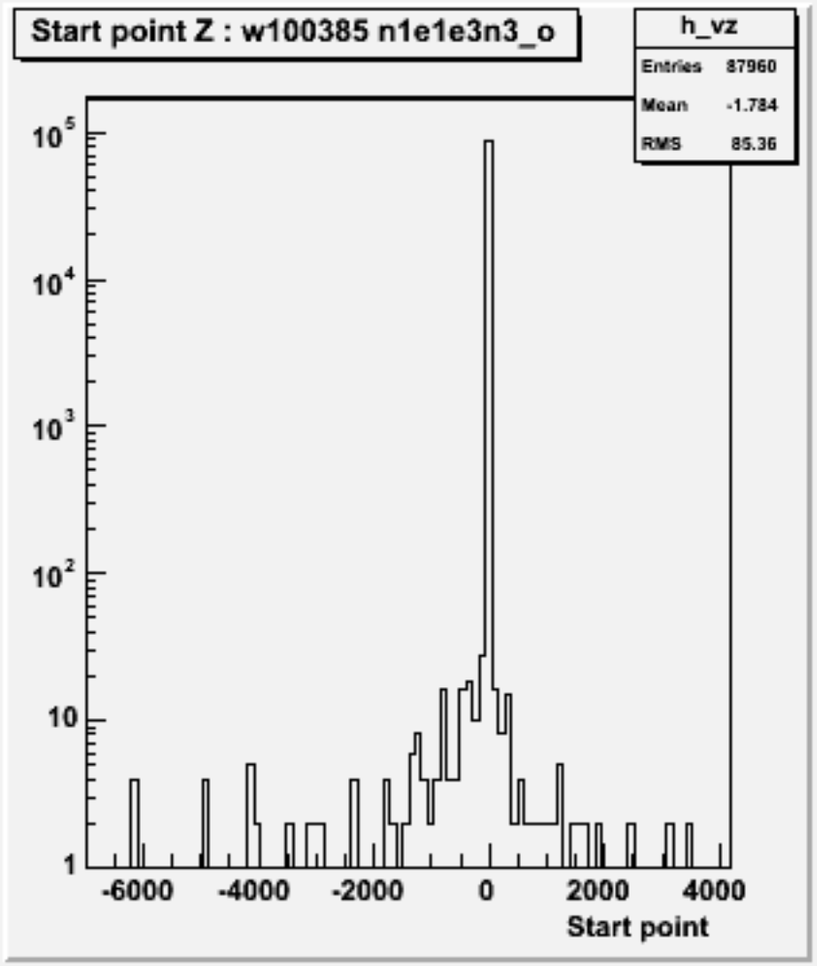

Particle ID : w100385 n1e1e3n3_o
h_id
Entries 87960
Mean -7.814
RMS 72.7
Particle ID

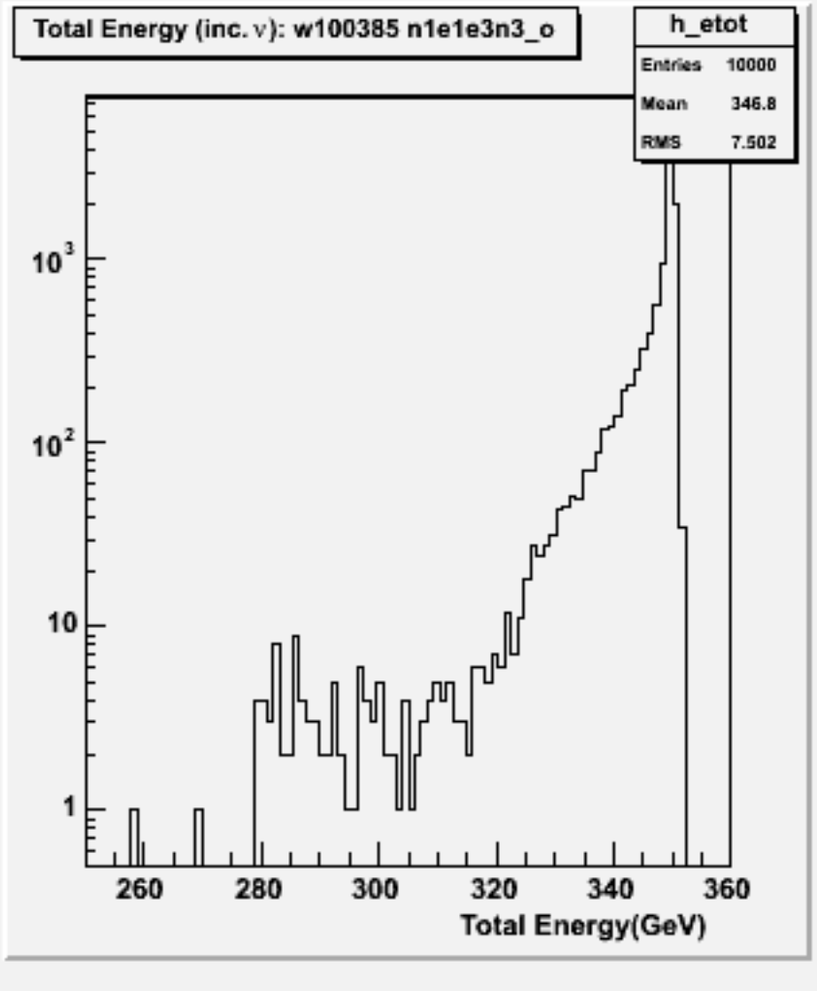

Particle Energy : w100385 n1e1e3n3_o
h_e
Entries 87960
Mean 39.42
RMS 42.29
Energy(GeV)

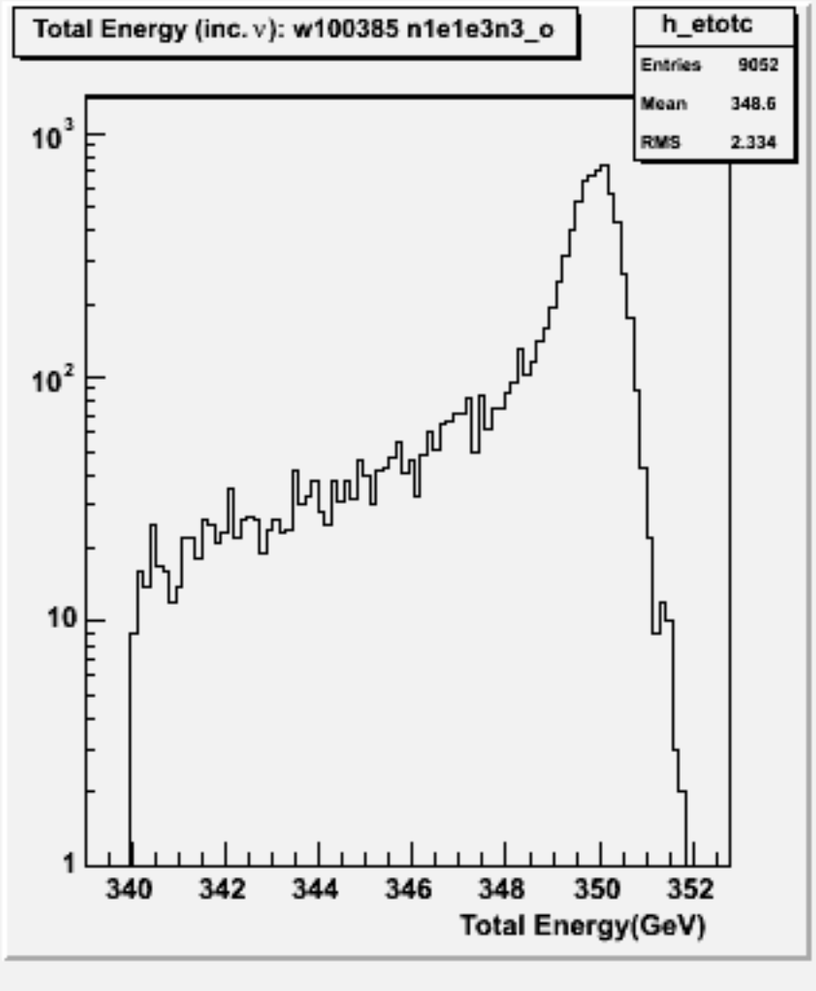

Particle Pt : w100385 n1e1e3n3_o
h_pt
Entries 87960
Mean 29.94
RMS 35.65
Pt(GeV)

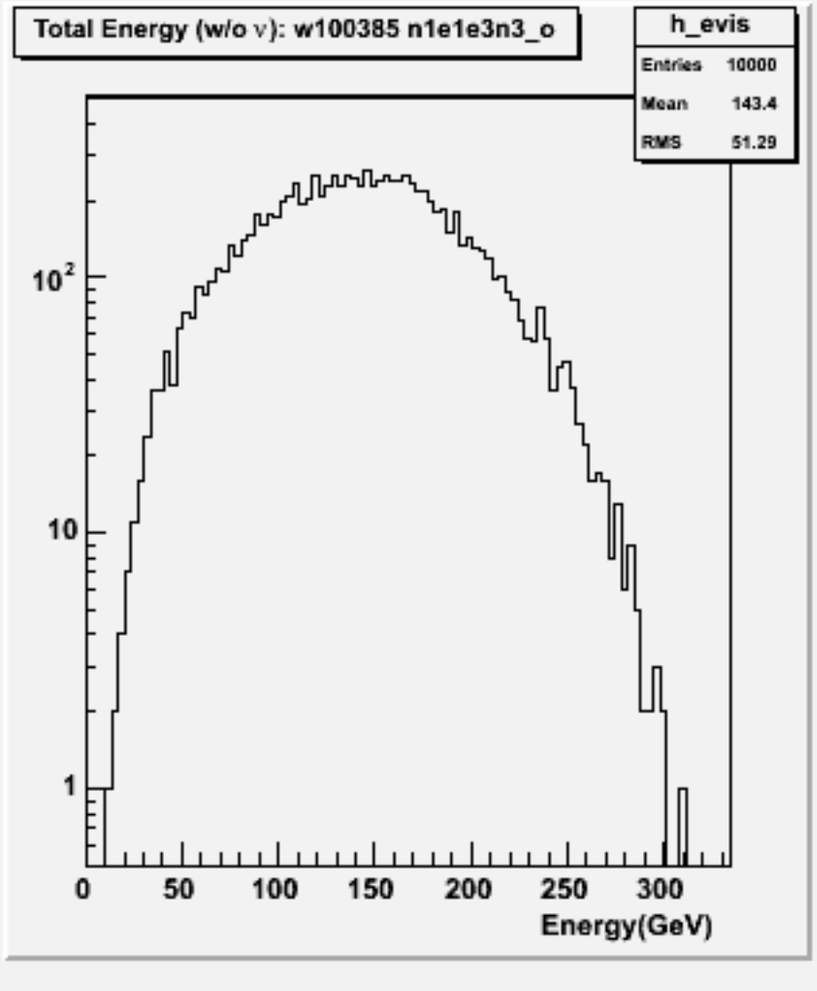

Particle cos θ : w100385 n1e1e3n3_o
h_cs
Entries 87960
Mean -0.0375
RMS 0.6774
cos θ

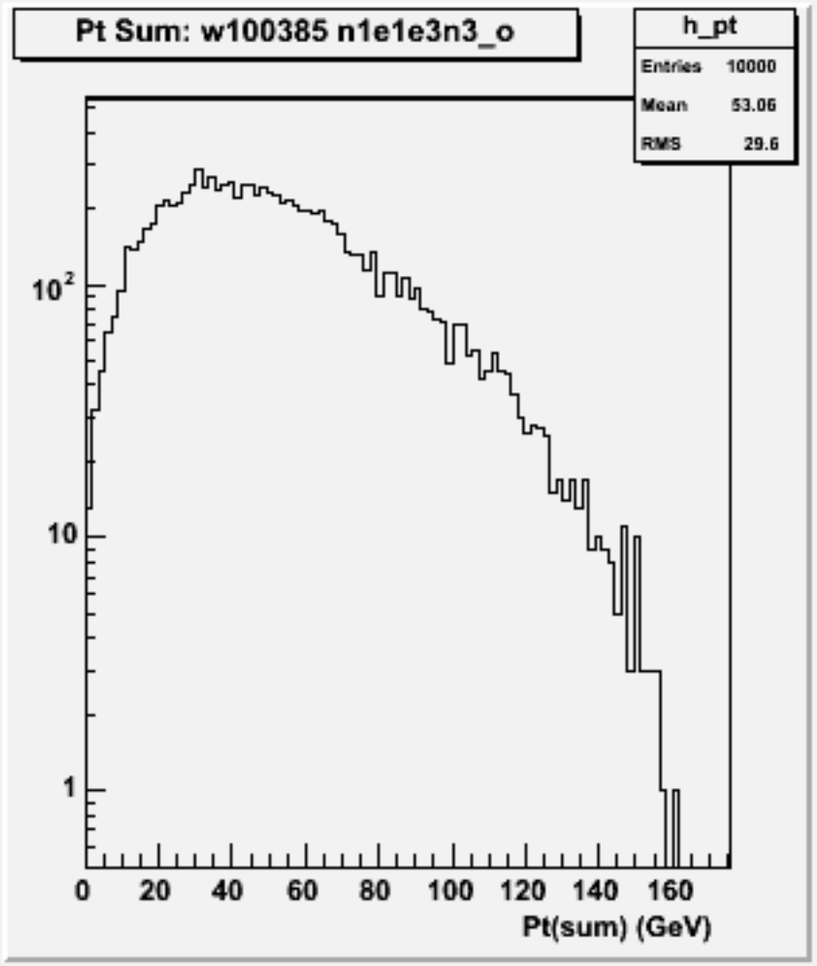

Start point R : w100385 n1e1e3n3_o
h_vr
Entries 87960
Mean 5.57
RMS 122.5
Start point Radius

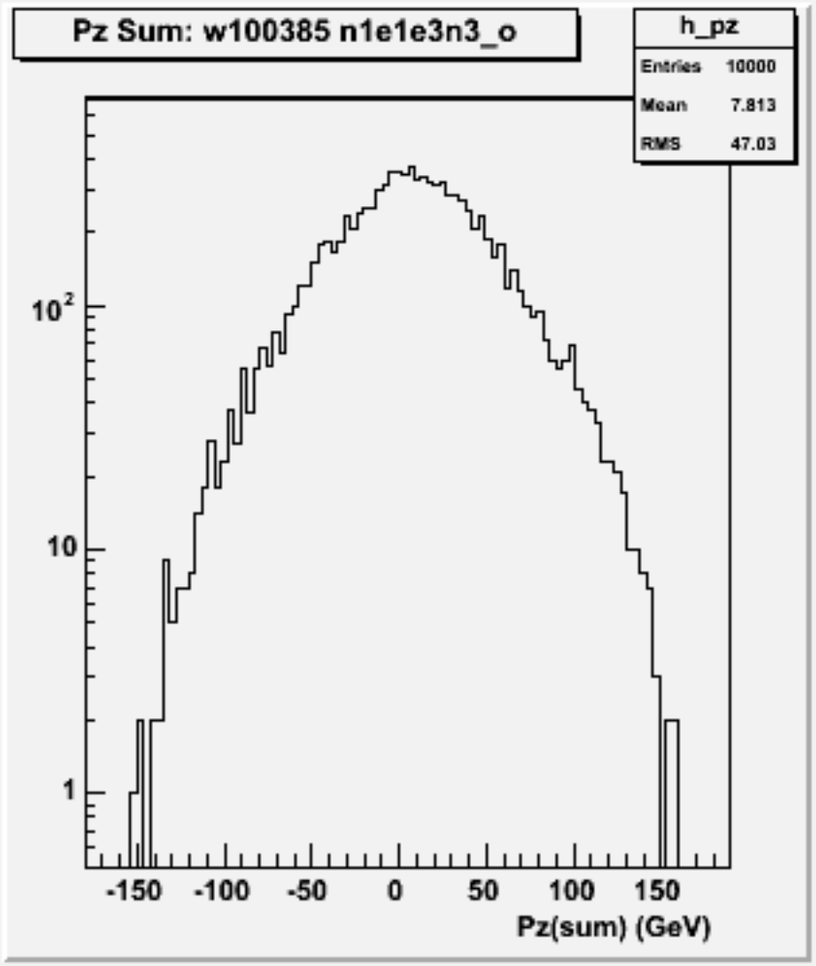

Start point Z : w100385 n1e1e3n3_o
h_vz
Entries 87960
Mean -1.784
RMS 85.36
Start point

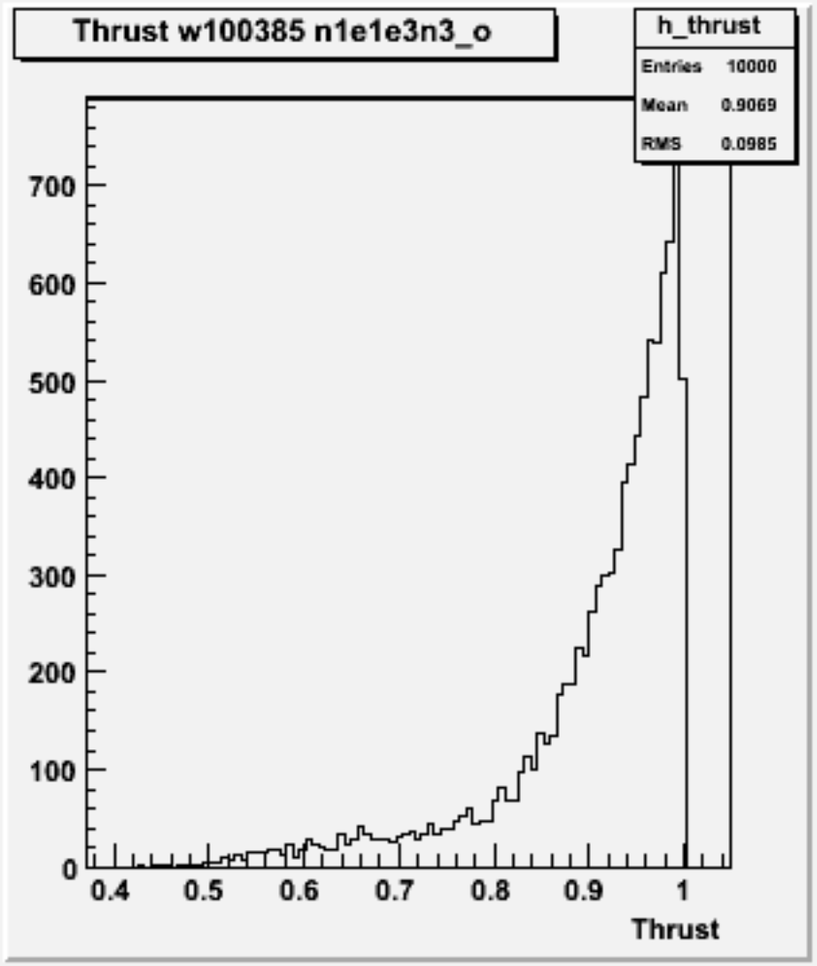

Total Energy (inc. ν): w100385 n1e1e3n3_o
h_etot
Entries 10000
Mean 346.8
RMS 7.502
Total Energy(GeV)

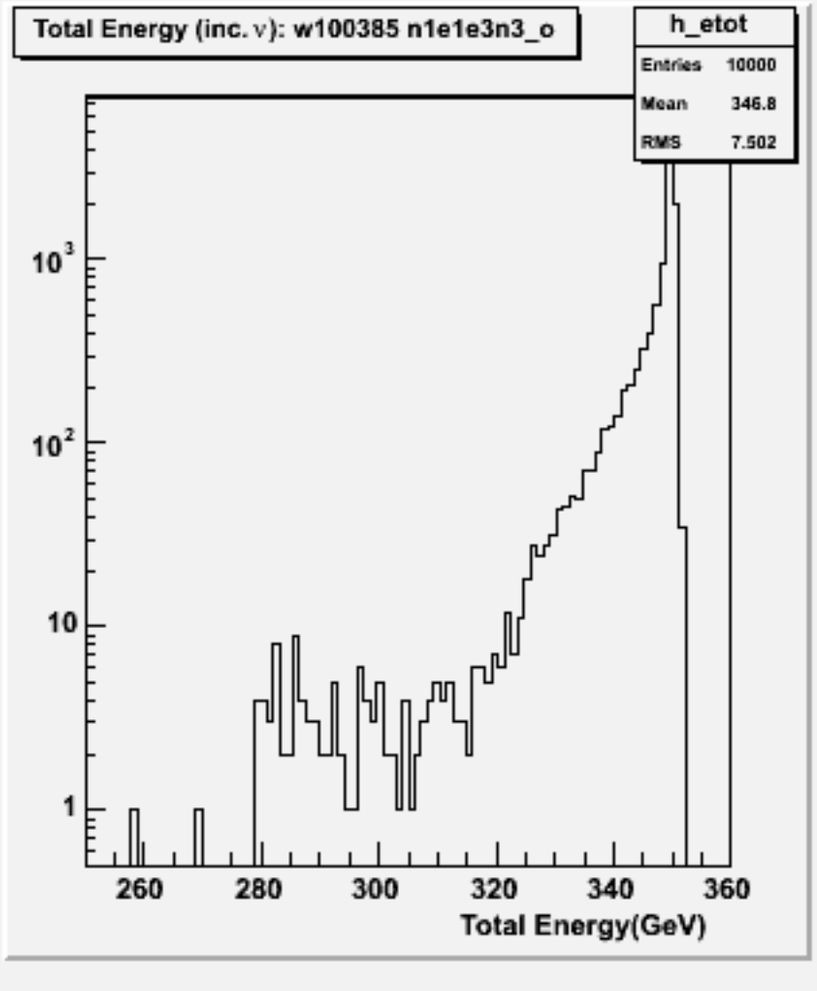

Total Energy (inc. ν): w100385 n1e1e3n3_o
h_etotc
Entries 9052
Mean 348.6
RMS 2.334
Total Energy(GeV)

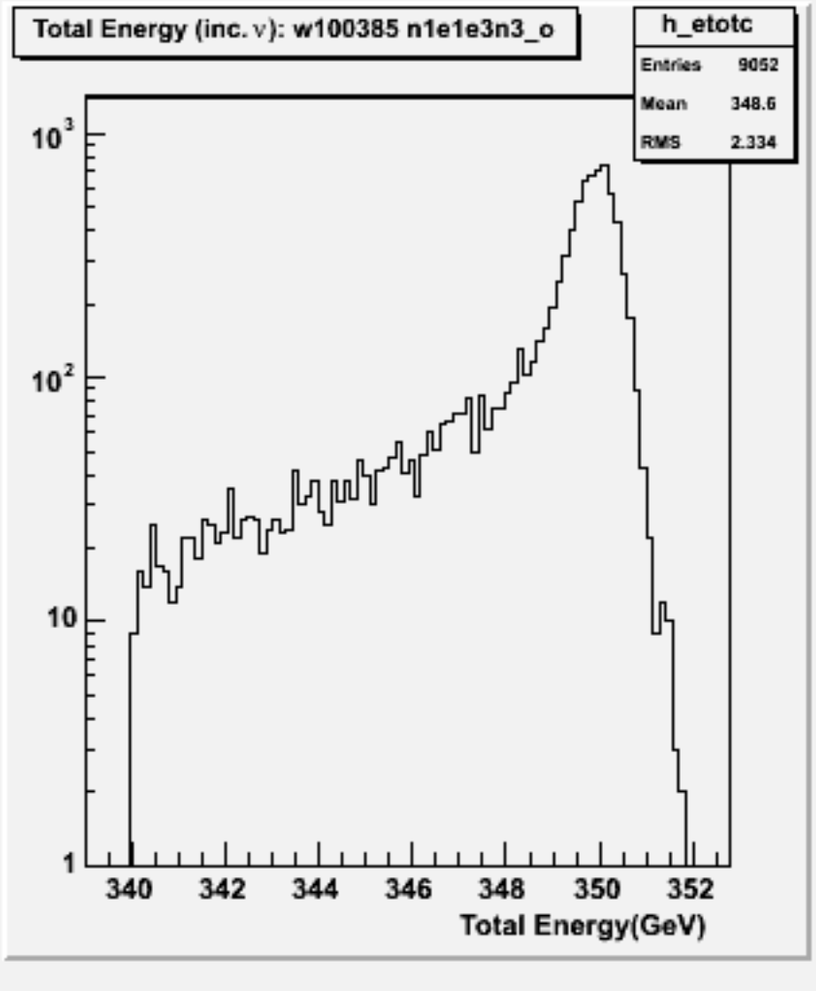

Total Energy (w/o ν): w100385 n1e1e3n3_o
h_evis
Entries 10000
Mean 143.4
RMS 51.29
Energy(GeV)

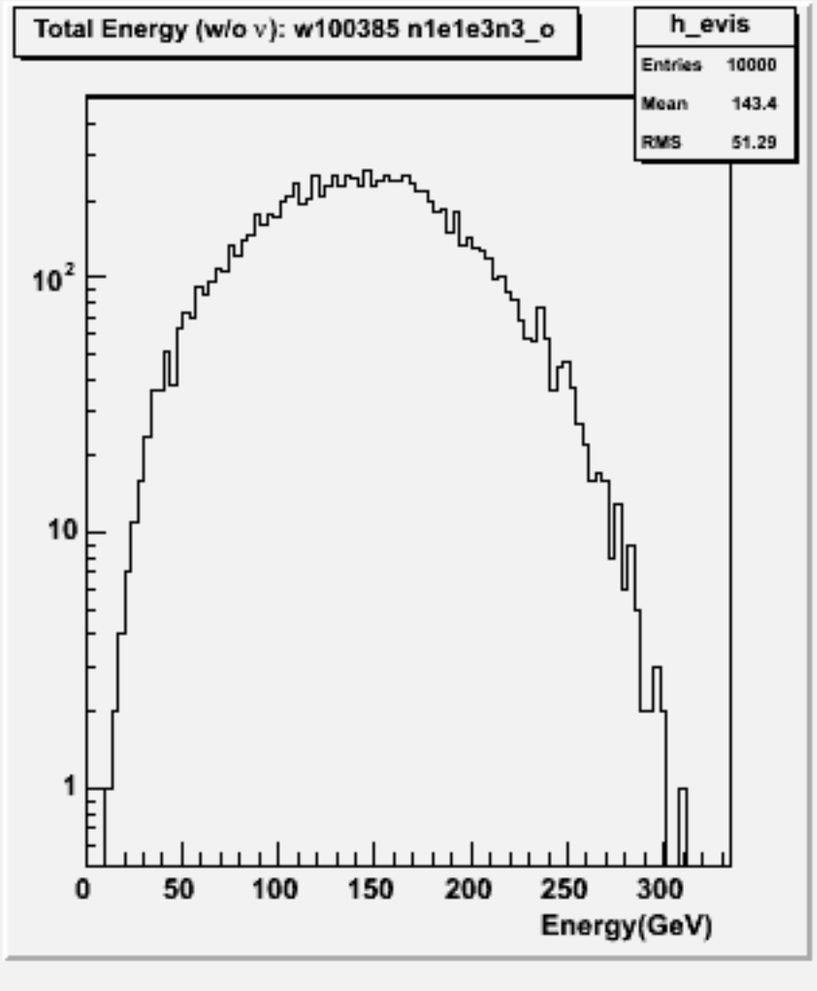

Pt Sum: w100385 n1e1e3n3_o
h_pt
Entries 10000
Mean 53.06
RMS 29.6
Pt(sum) (GeV)

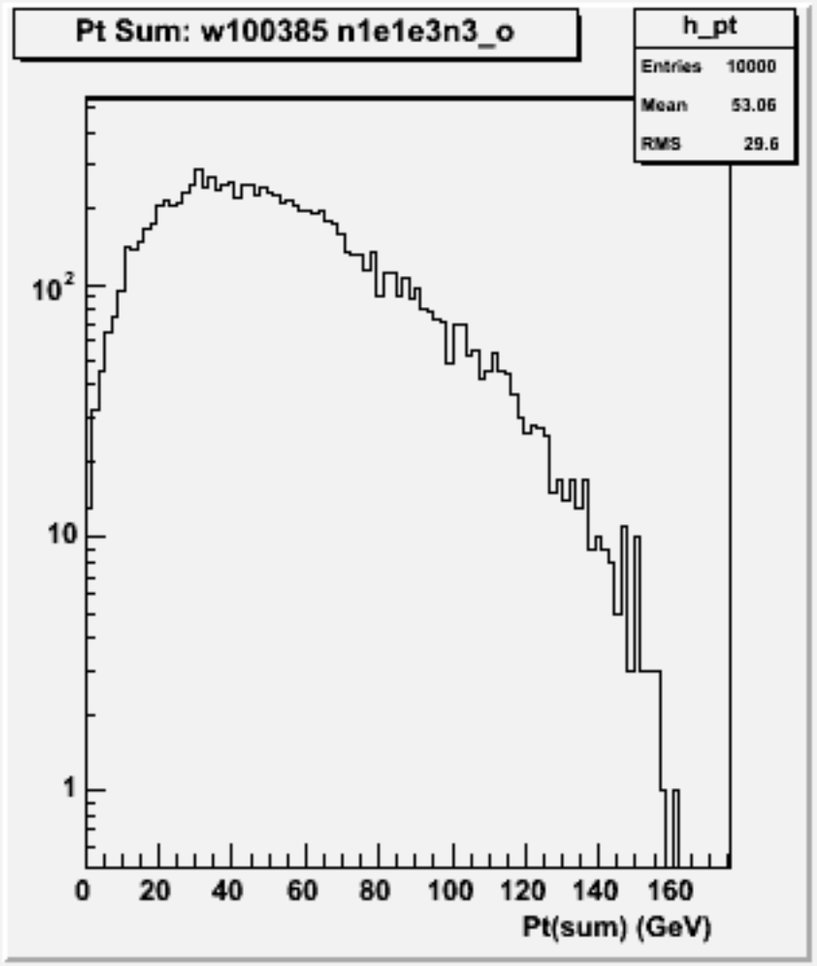

Pz Sum: w100385 n1e1e3n3_o
h_pz
Entries 10000
Mean 7.813
RMS 47.03
Pz(sum) (GeV)

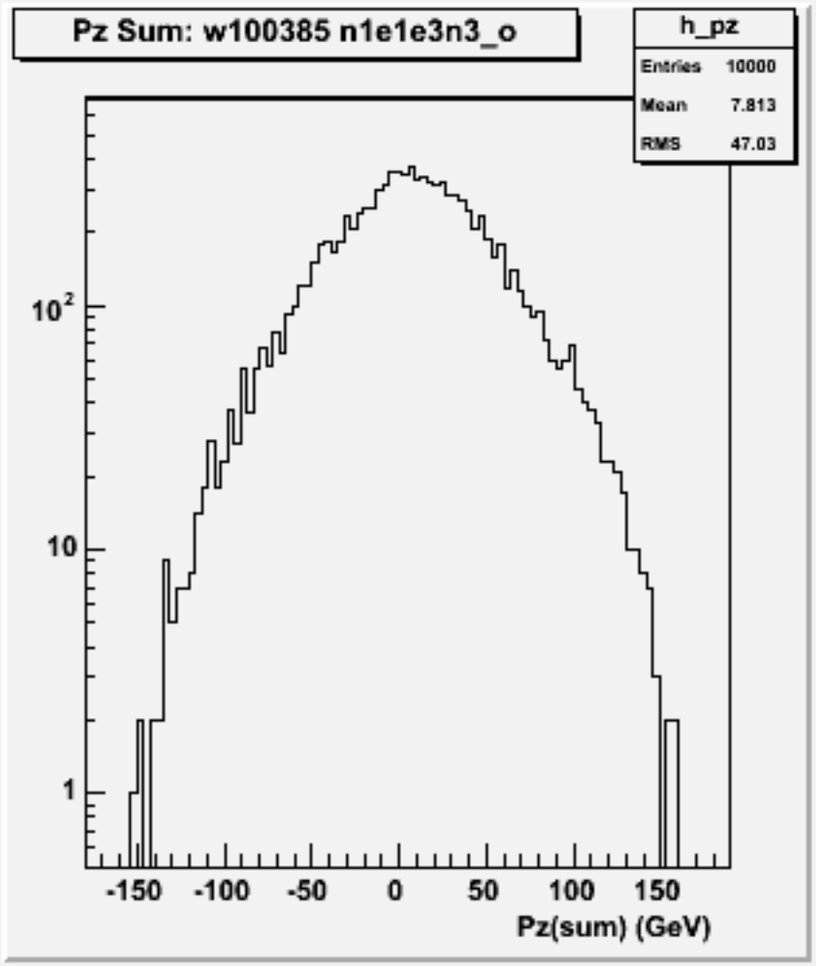

Thrust w100385 n1e1e3n3_o
h_thrust
Entries 10000
Mean 0.9069
RMS 0.0985
Thrust

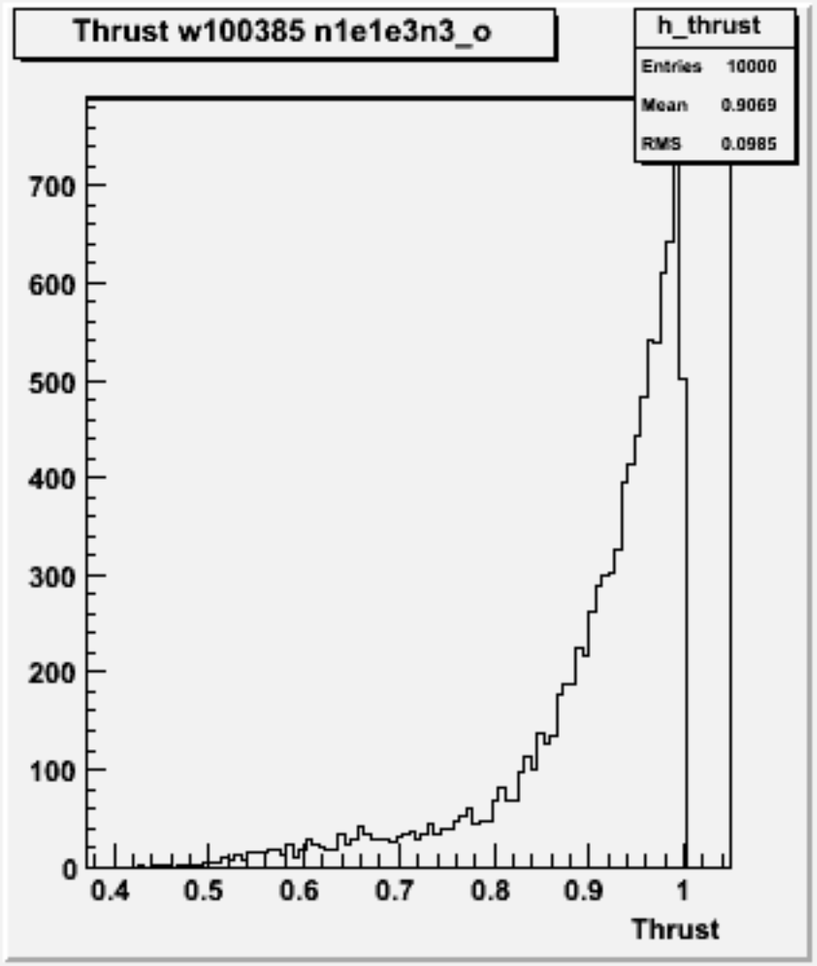

Total Energy (inc. ν): w100385 n1e1e3n3_o
h_etot
Entries 10000
Mean 346.8
RMS 7.502
Total Energy(GeV)

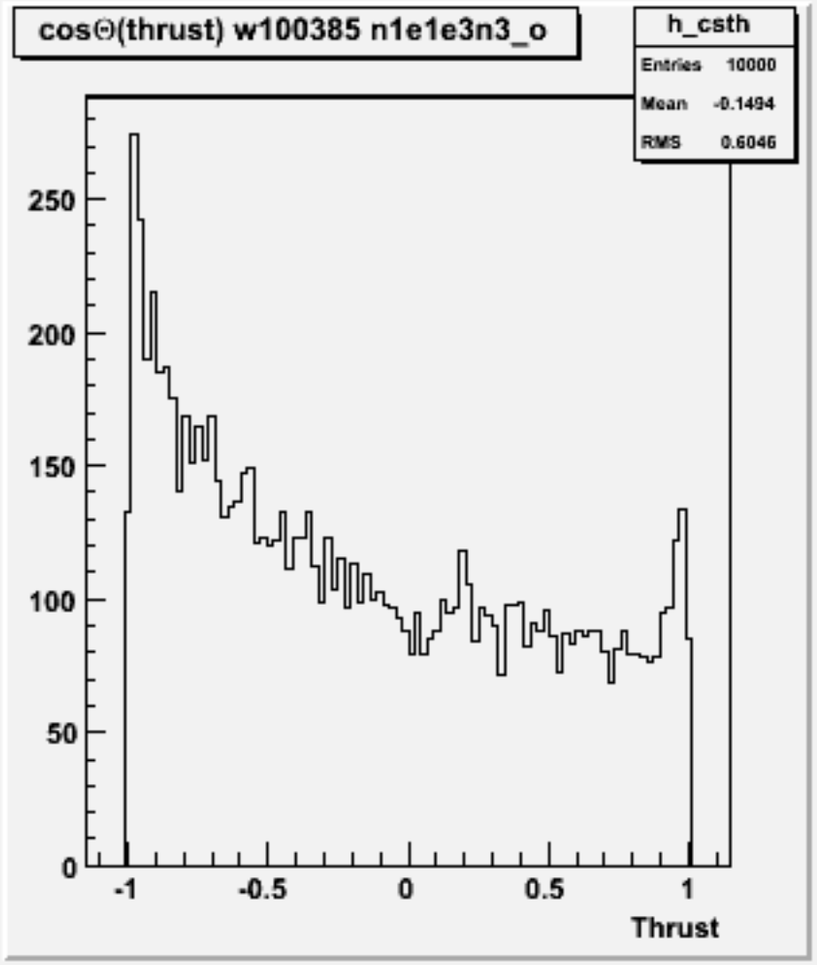

Total Energy (inc. ν): w100385 n1e1e3n3_o
h_etotc
Entries 9052
Mean 348.6
RMS 2.334
Total Energy(GeV)

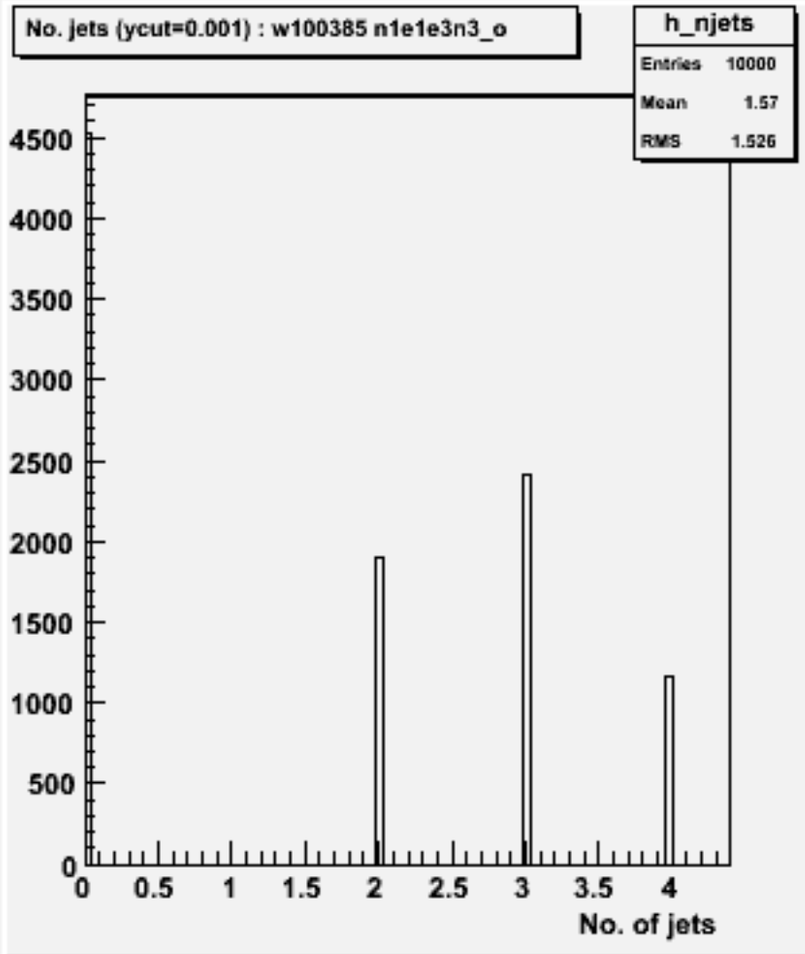

Total Energy (w/o ν): w100385 n1e1e3n3_o
h_evis
Entries 10000
Mean 143.4
RMS 51.29
Energy(GeV)

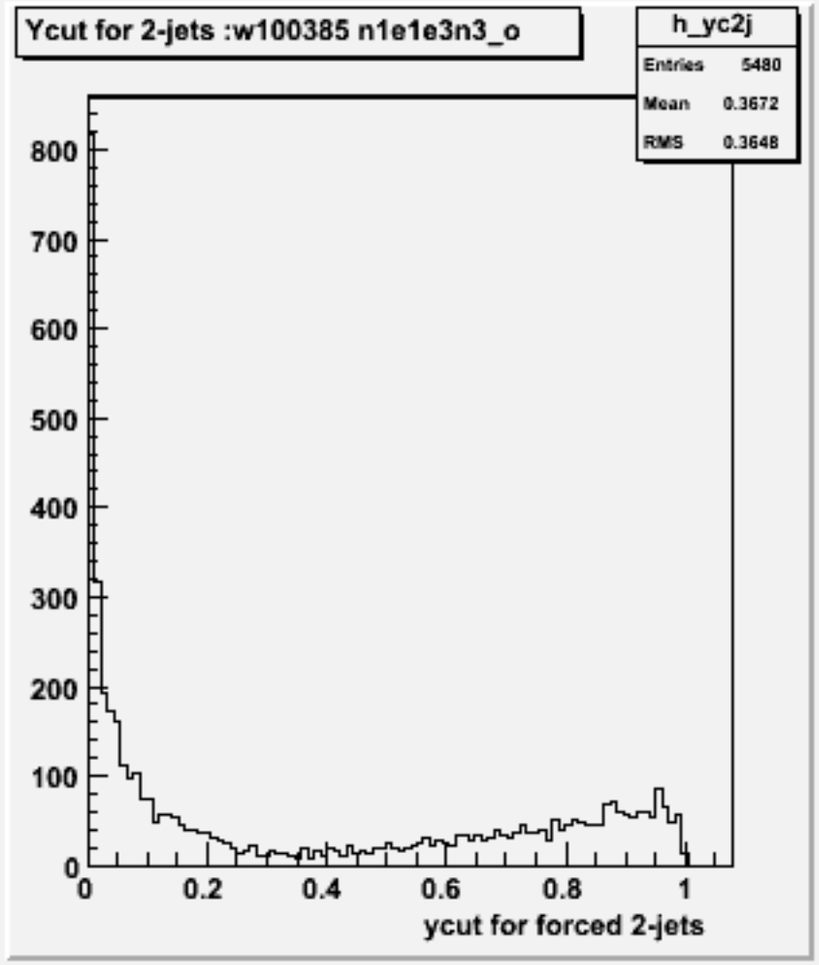

Pt Sum: w100385 n1e1e3n3_o
h_pt
Entries 10000
Mean 53.06
RMS 29.6
Pt(sum) (GeV)

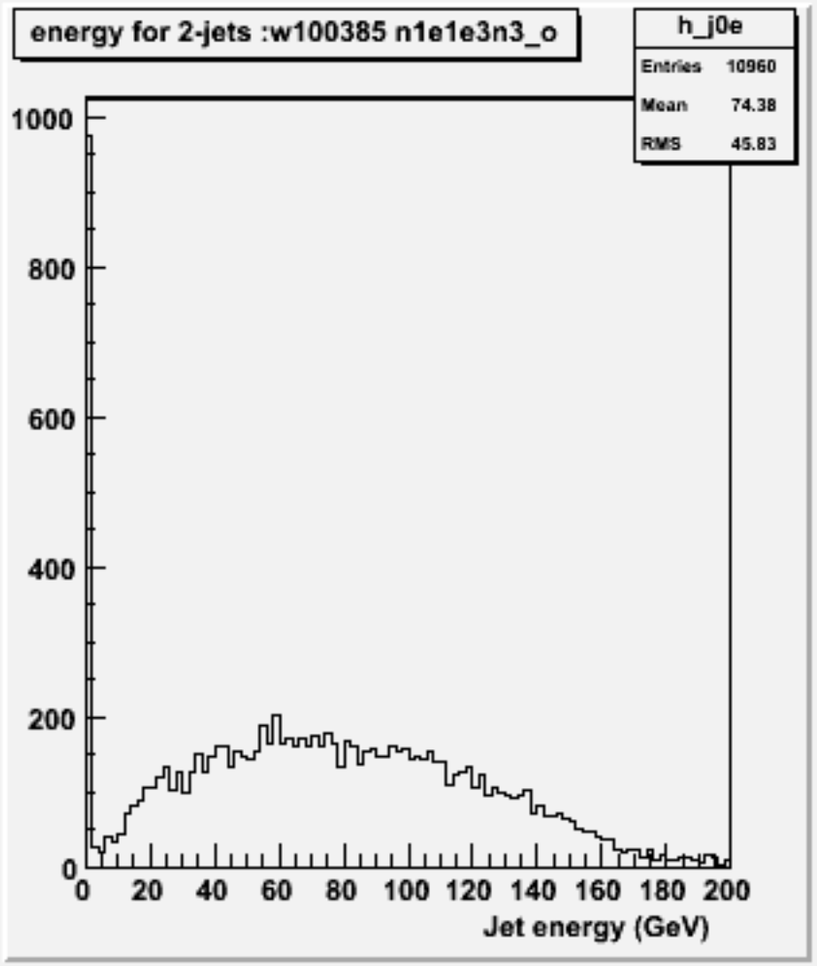

Pz Sum: w100385 n1e1e3n3_o
h_pz
Entries 10000
Mean 7.813
RMS 47.03
Pz(sum) (GeV)

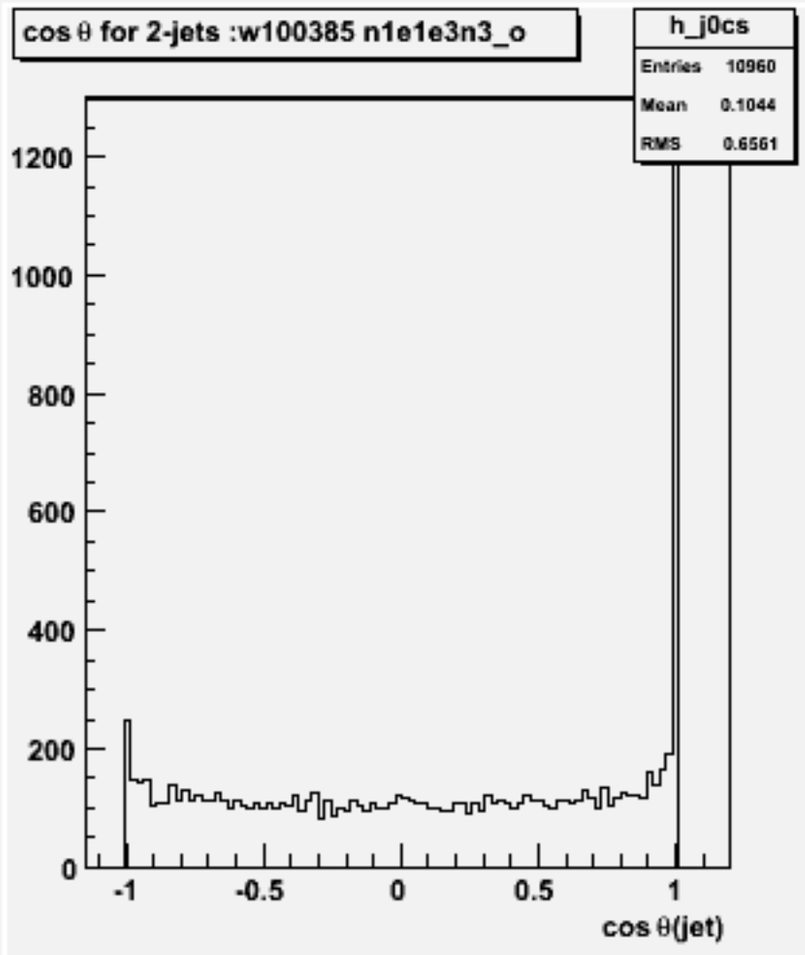

Thrust w100385 n1e1e3n3_o
h_thrust
Entries 10000
Mean 0.9069
RMS 0.0985
Thrust

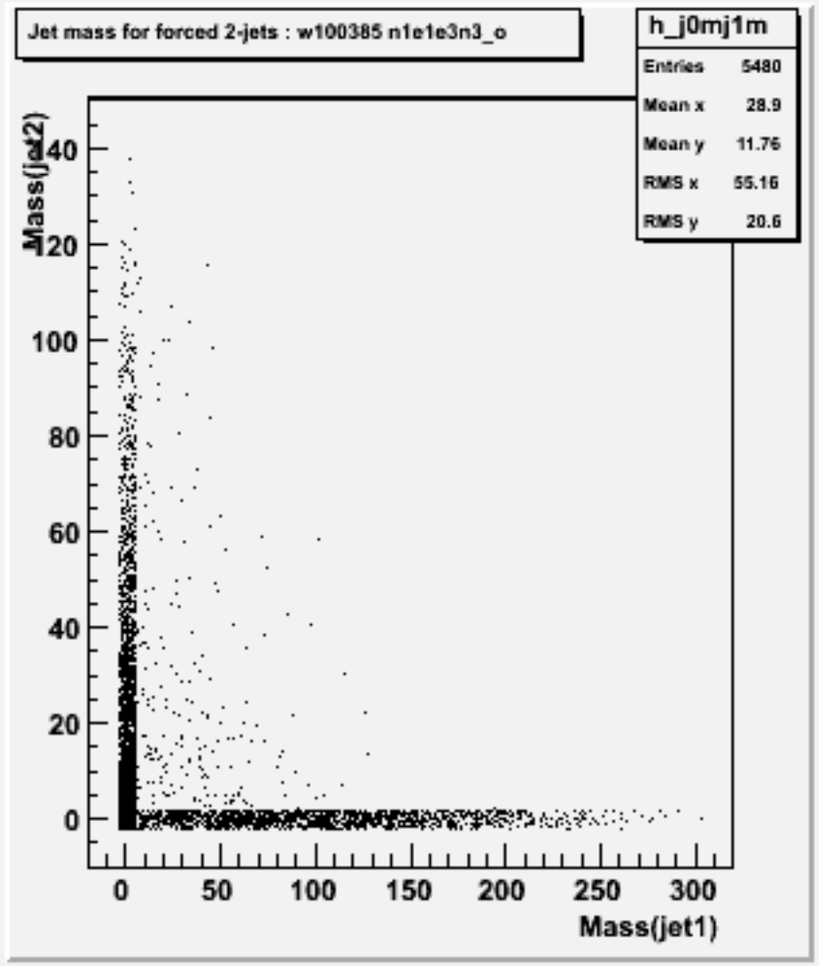

cosΘ(thrust) w100385 n1e1e3n3_o
h_csth
Entries 10000
Mean -0.1494
RMS 0.6046
Thrust

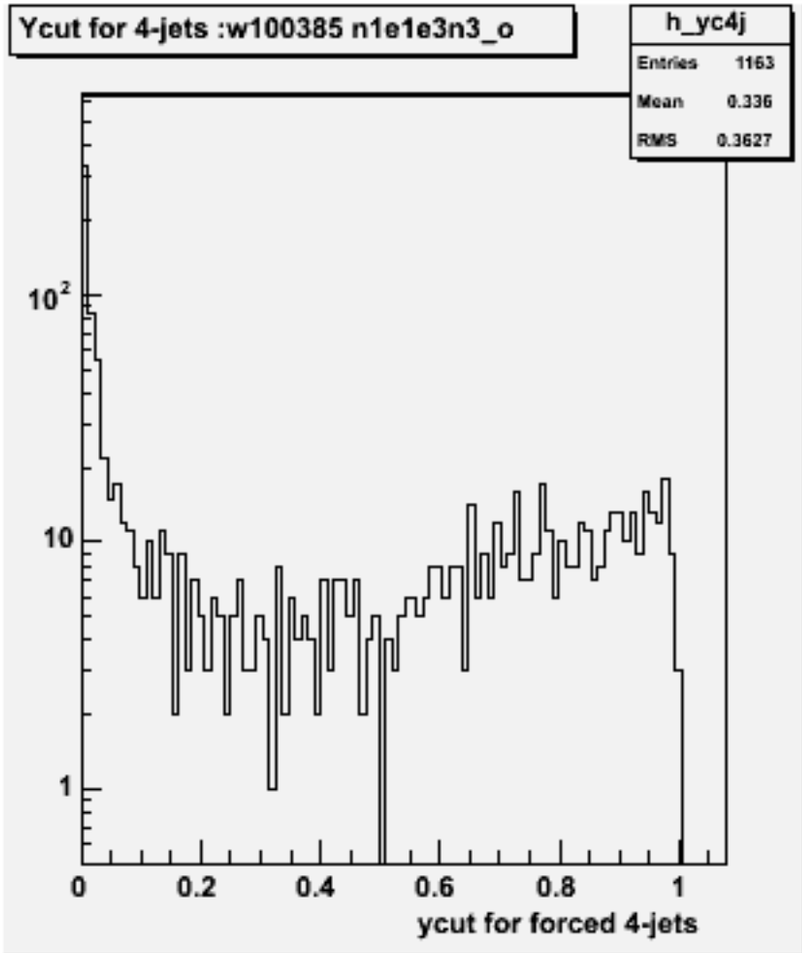

No. jets (ycut=0.001) : w100385 n1e1e3n3_o
h_njets
Entries 10000
Mean 1.57
RMS 1.526
No. of jets

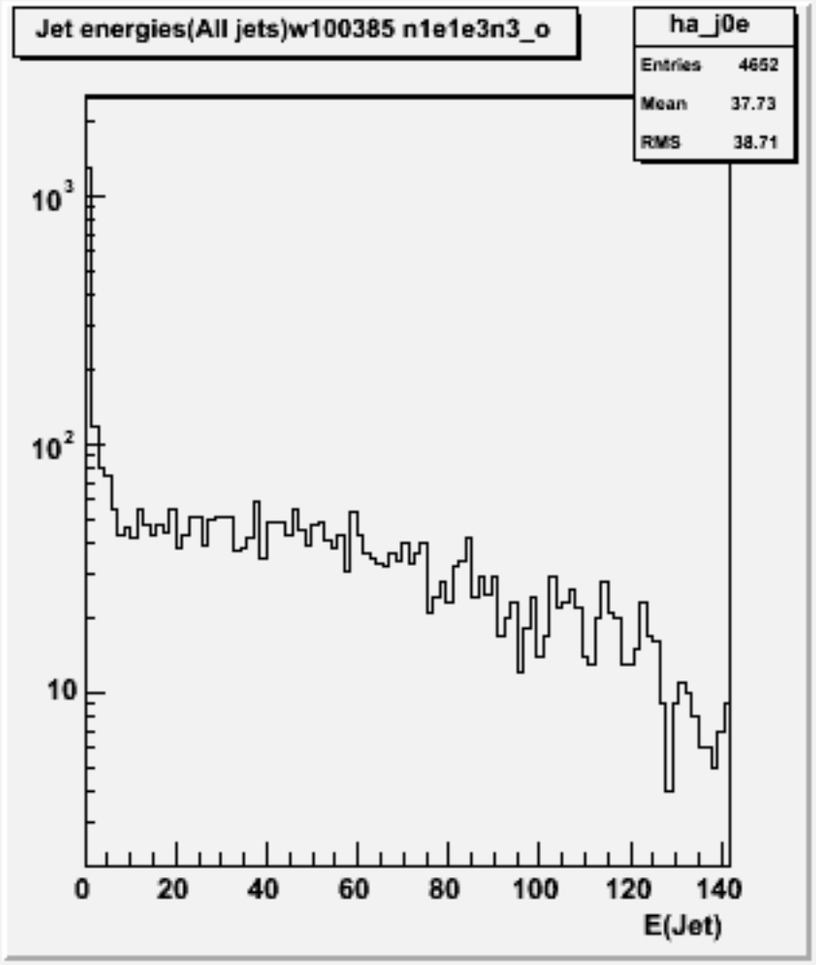

Ycut for 2-jets :w100385 n1e1e3n3_o
h_yc2j
Entries 5480
Mean 0.3672
RMS 0.3648
ycut for forced 2-jets

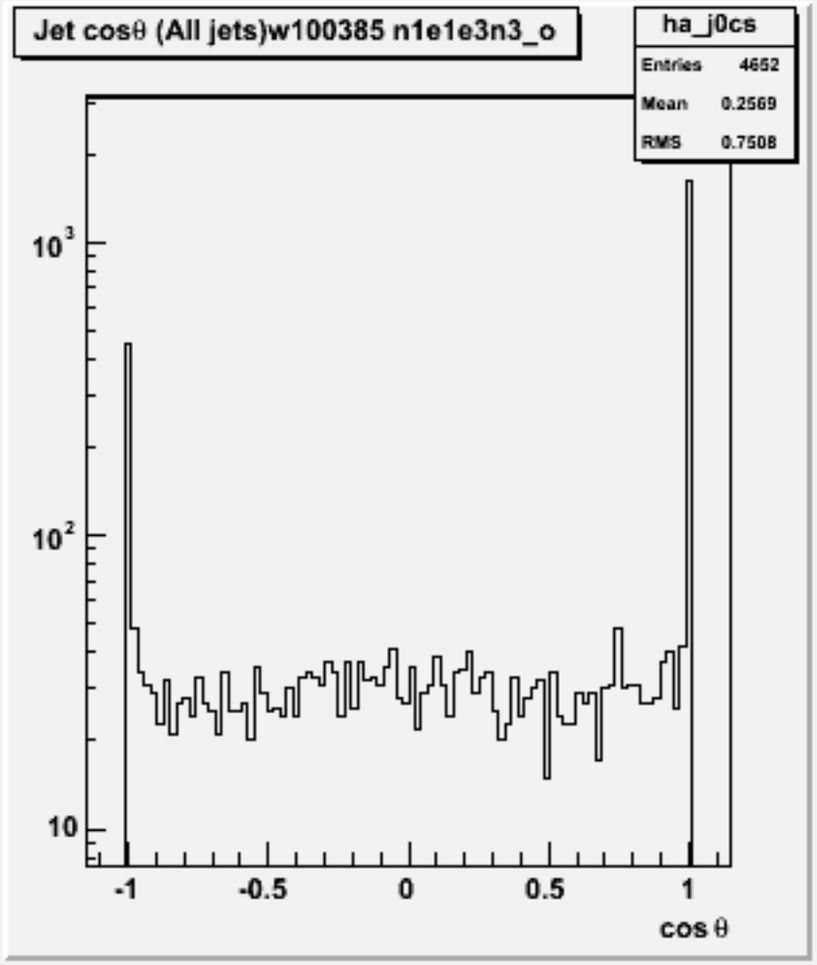

energy for 2-jets :w100385 n1e1e3n3_o
h_j0e
Entries 10960
Mean 74.38
RMS 45.83
Jet energy (GeV)

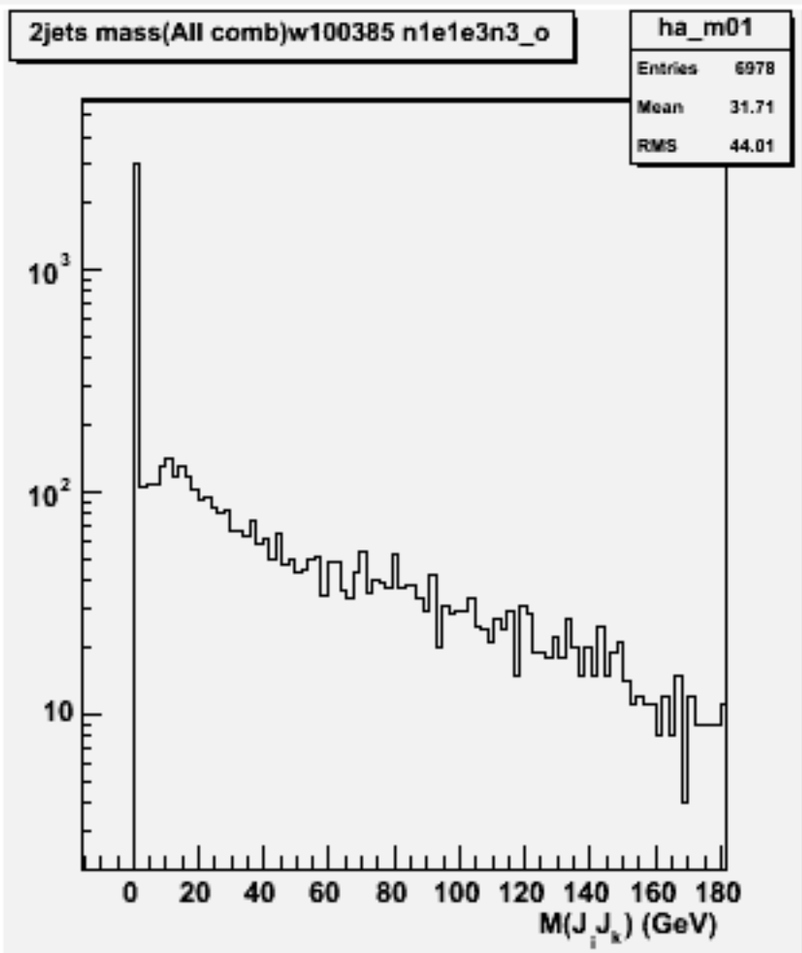

cos θ for 2-jets :w100385 n1e1e3n3_o
h_j0cs
Entries 10960
Mean 0.1044
RMS 0.6561
cos θ(jet)

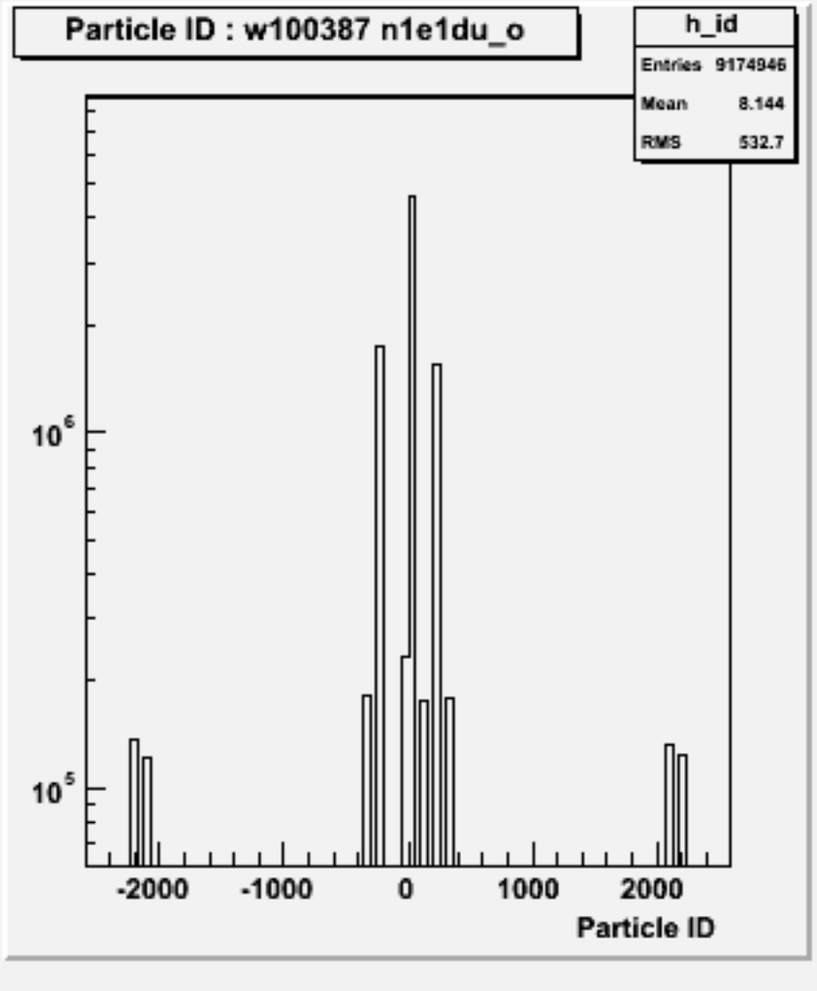

Jet mass for forced 2-jets : w100385 n1e1e3n3_o
h_j0mj1m
Entries 5480
Mean x 28.9
Mean y 11.76
RMS x 55.16
RMS y 20.6
Mass(jet2)
Mass(jet1)

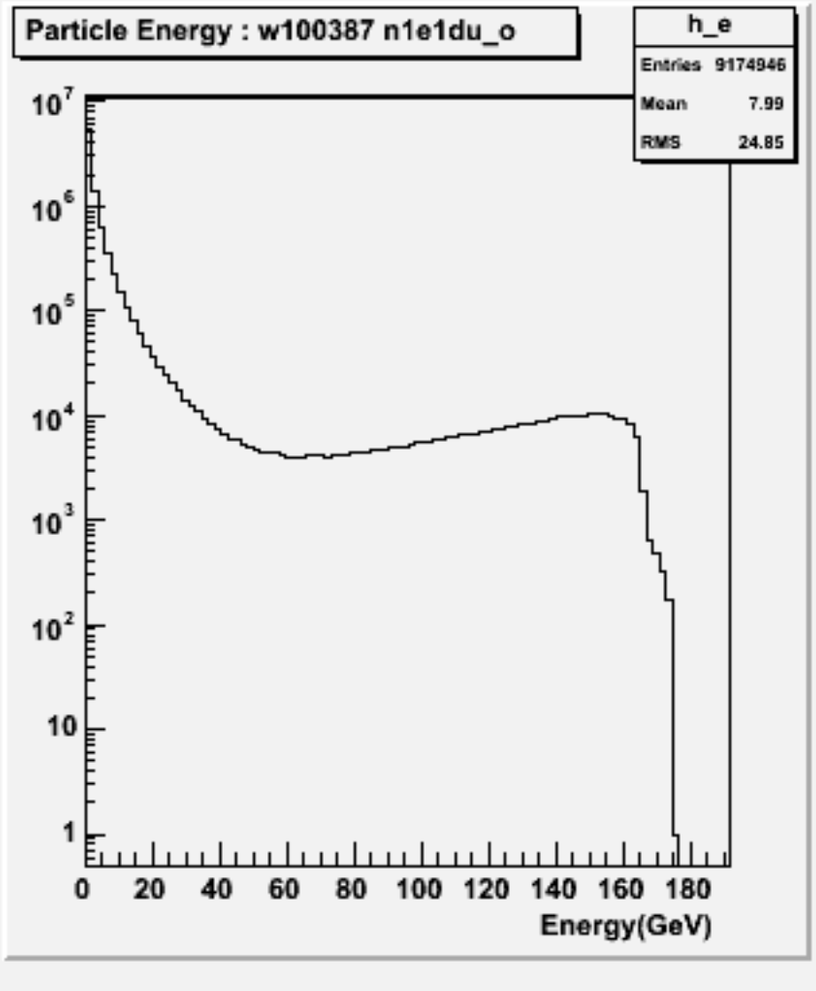

Ycut for 4-jets :w100385 n1e1e3n3_o
h_yc4j
Entries 1163
Mean 0.336
RMS 0.3627
10^2
10
1
0 0.2 0.4 0.6 0.8 1
ycut for forced 4-jets

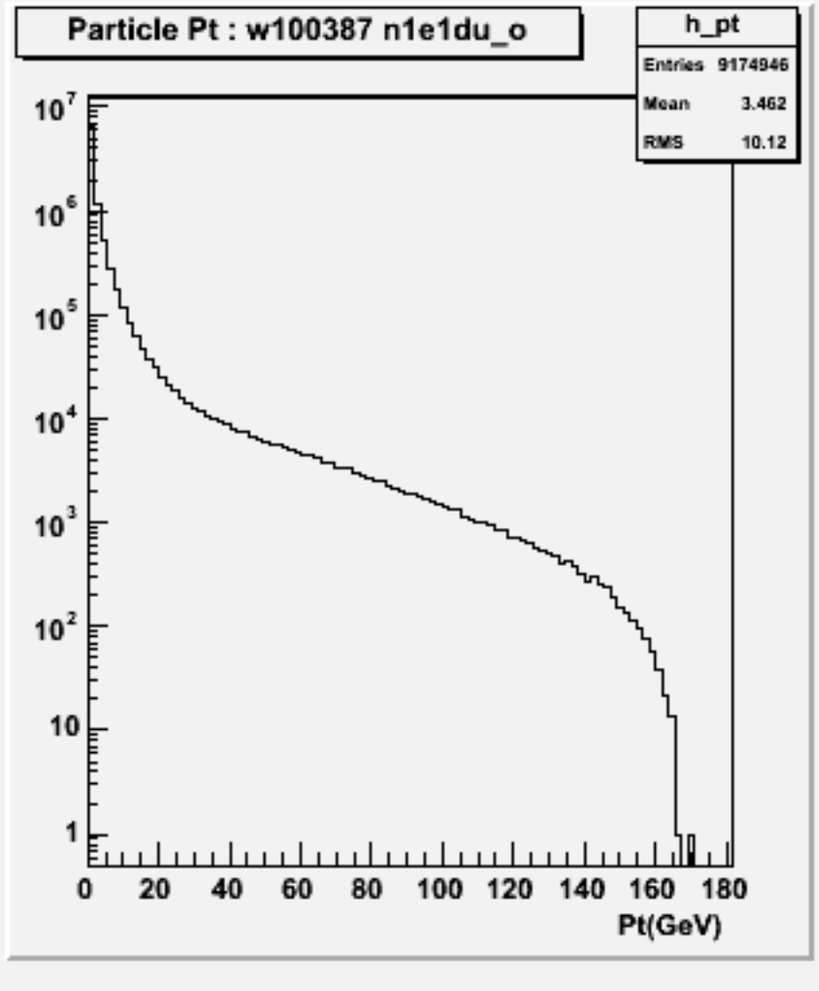

Jet energies(All jets)w100385 n1e1e3n3_o
ha_j0e
Entries 4652
Mean 37.73
RMS 38.71
10^3
10^2
10
0 20 40 60 80 100 120 140
E(Jet)

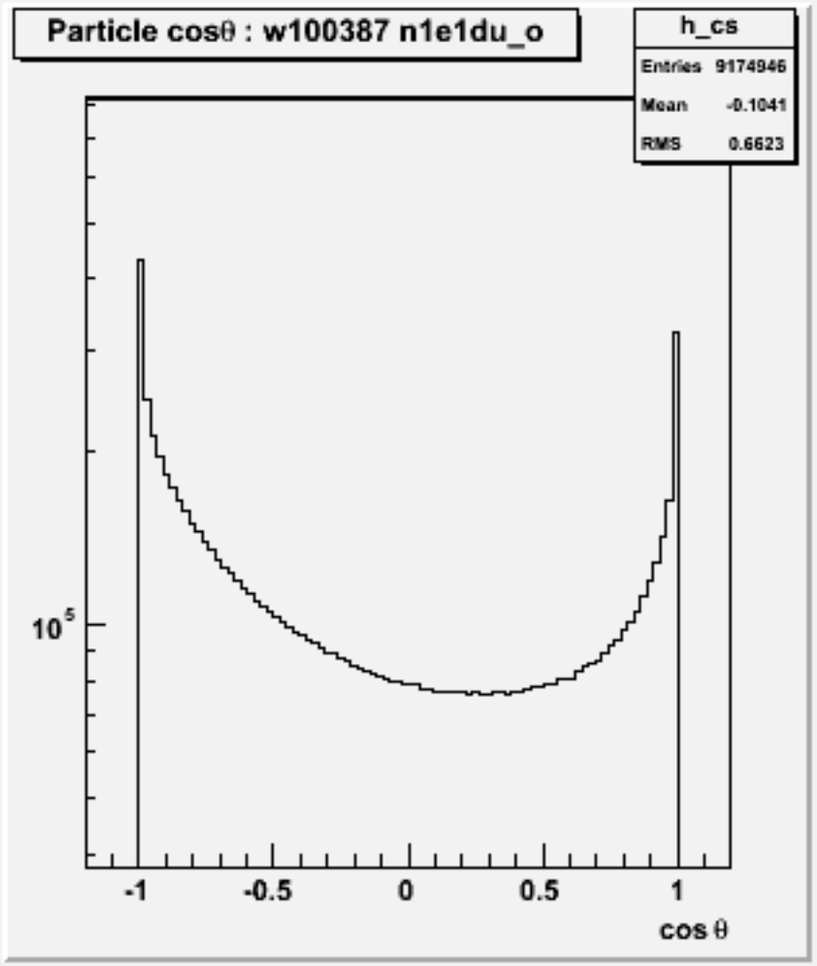

Jet cosθ (All jets)w100385 n1e1e3n3_o
ha_j0cs
Entries 4652
Mean 0.2569
RMS 0.7508
10^3
10^2
10
-1 -0.5 0 0.5 1
cos θ

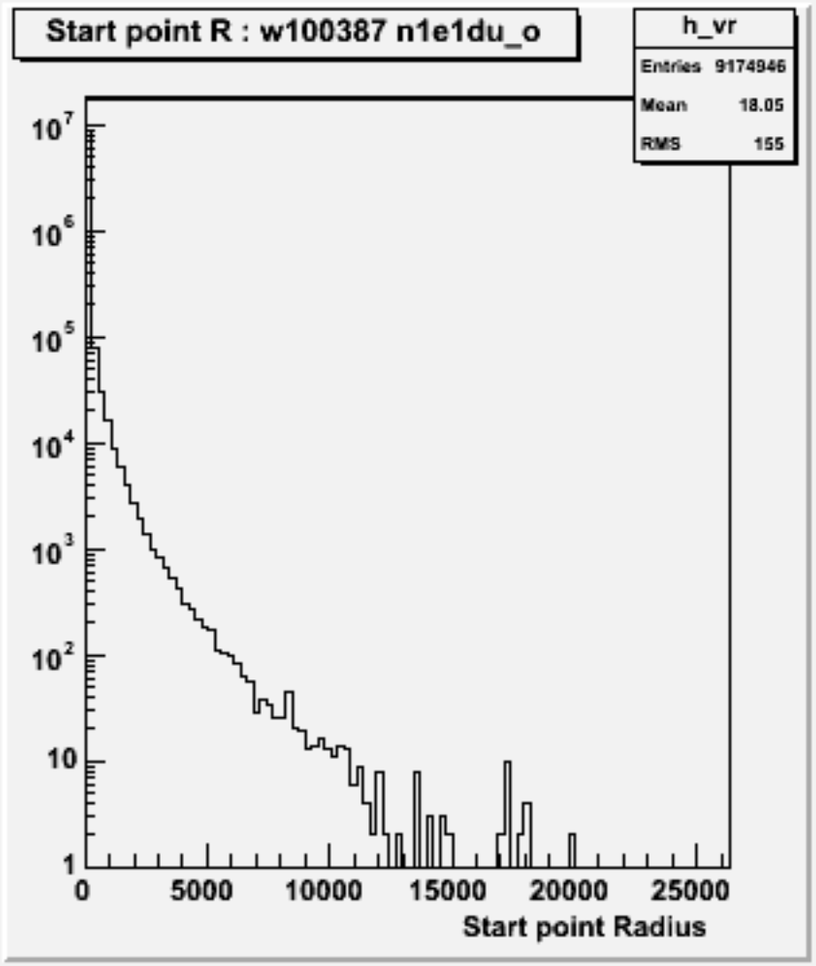

2jets mass(All comb)w100385 n1e1e3n3_o
ha_m01
Entries 6978
Mean 31.71
RMS 44.01
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
$M(J_iJ_k)$ (GeV)

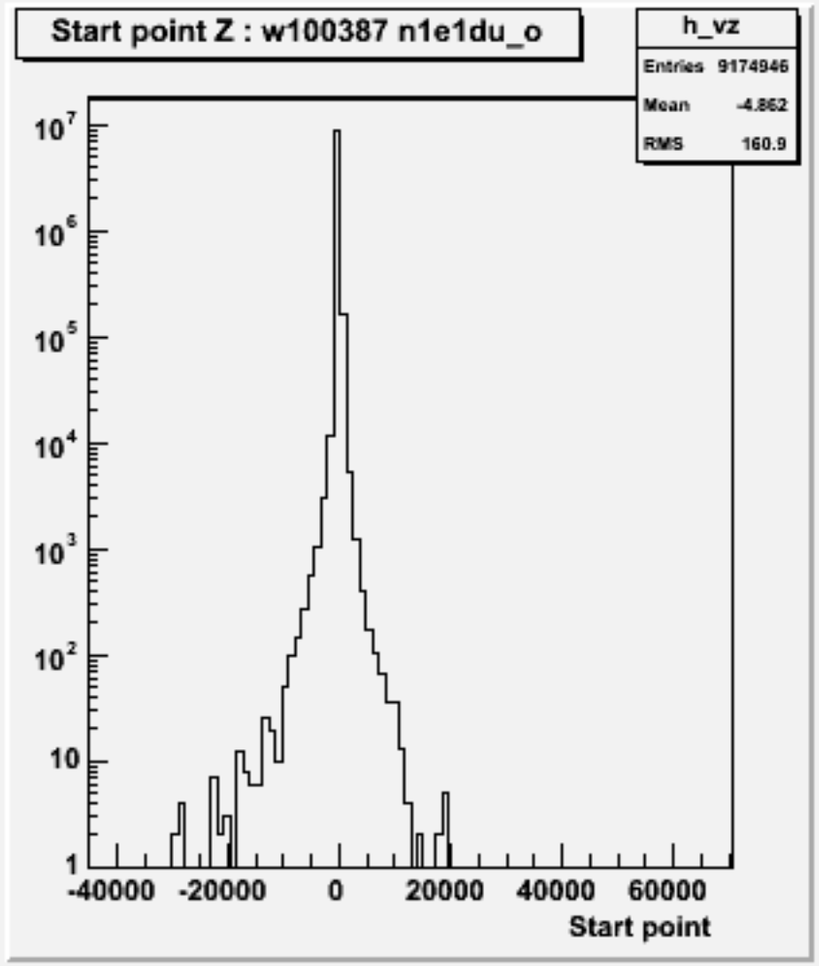

Particle ID : w100387 n1e1du_o
h_id
Entries 9174946
Mean 8.144
RMS 532.7
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

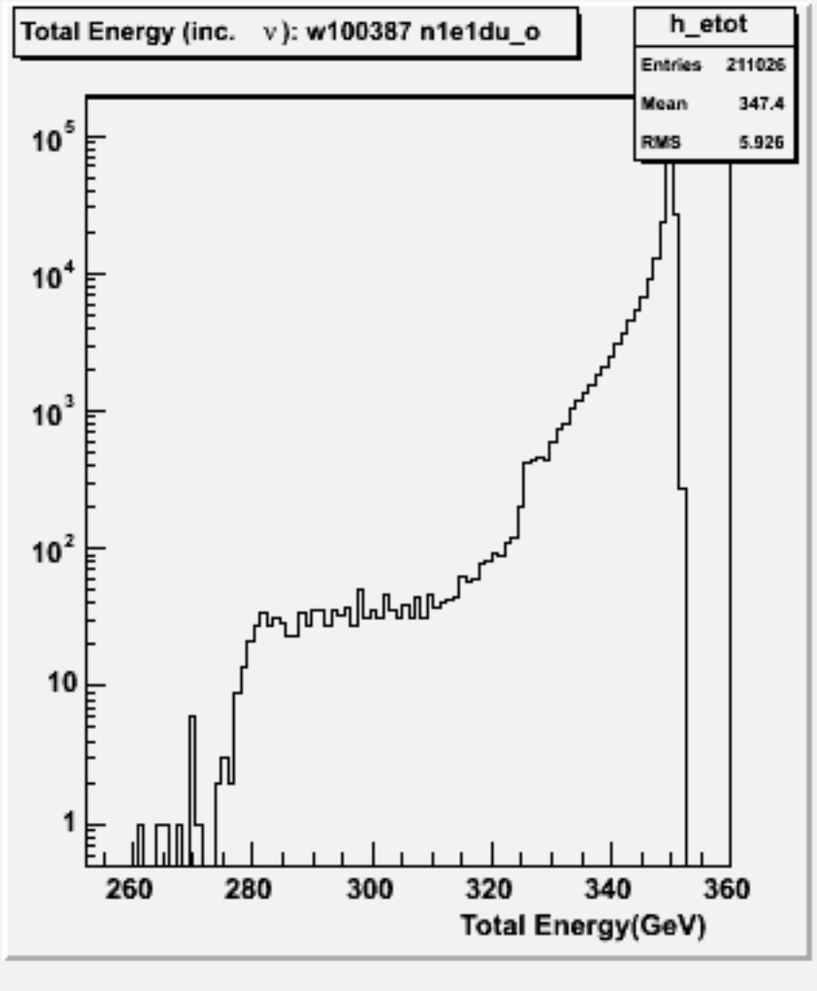

Particle Energy : w100387 n1e1du_o
h_e
Entries 9174946
Mean 7.99
RMS 24.85
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

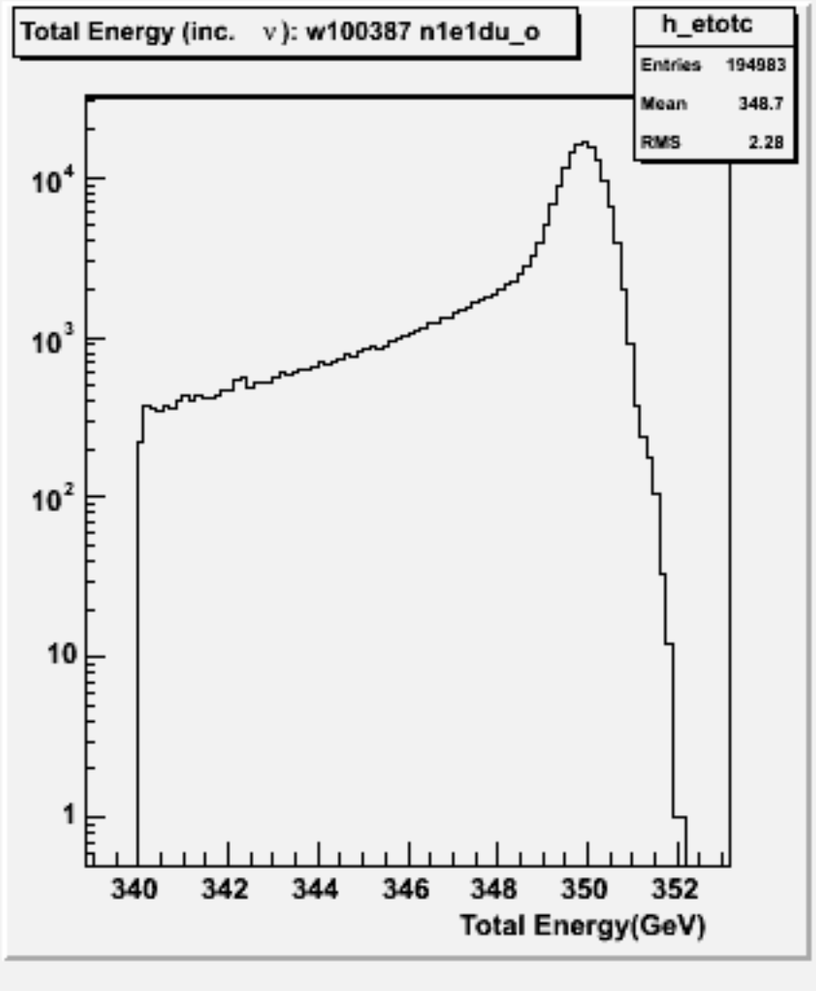

Particle Pt : w100387 n1e1du_o
h_pt
Entries 9174946
Mean 3.462
RMS 10.12
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

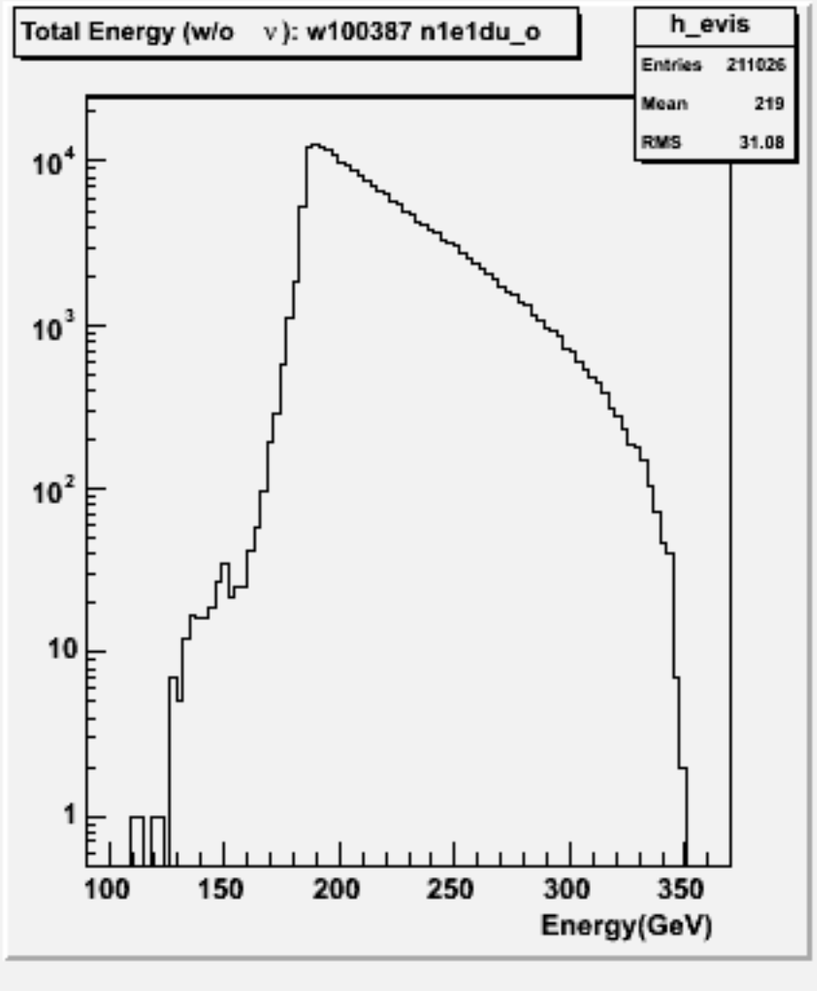

Particle cosθ : w100387 n1e1du_o
h_cs
Entries 9174946
Mean -0.1041
RMS 0.6623
10^5
-1
-0.5
0
0.5
1
cos θ

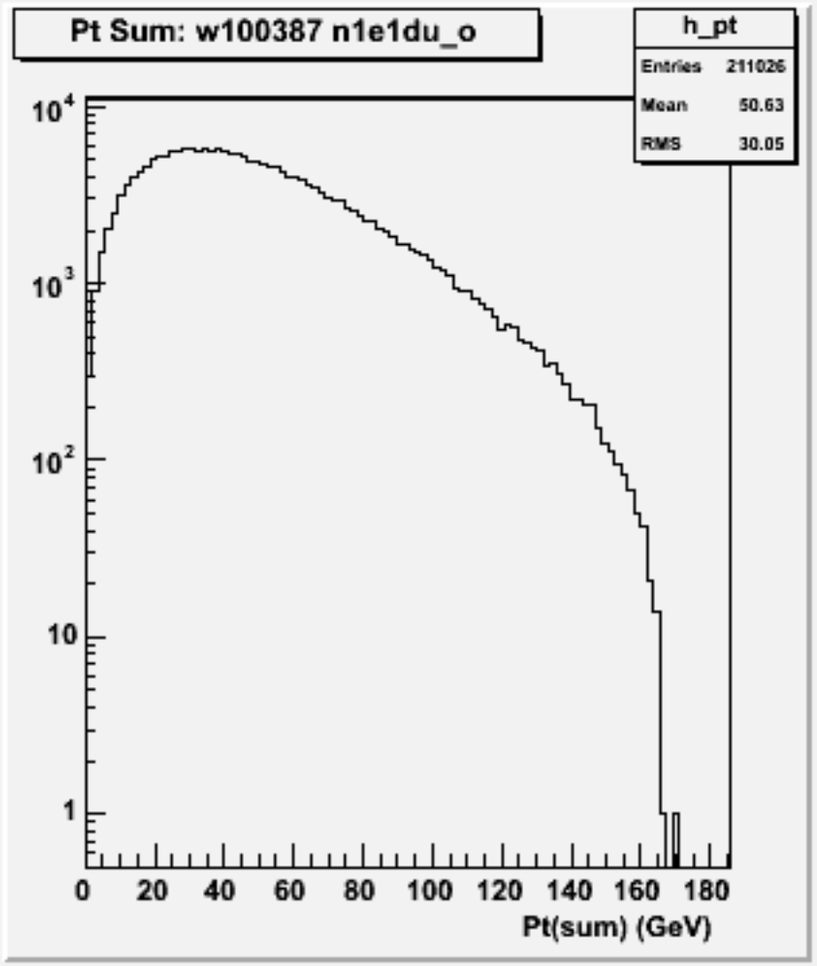

Start point R : w100387 n1e1du_o
h_vr
Entries 9174946
Mean 18.05
RMS 155
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

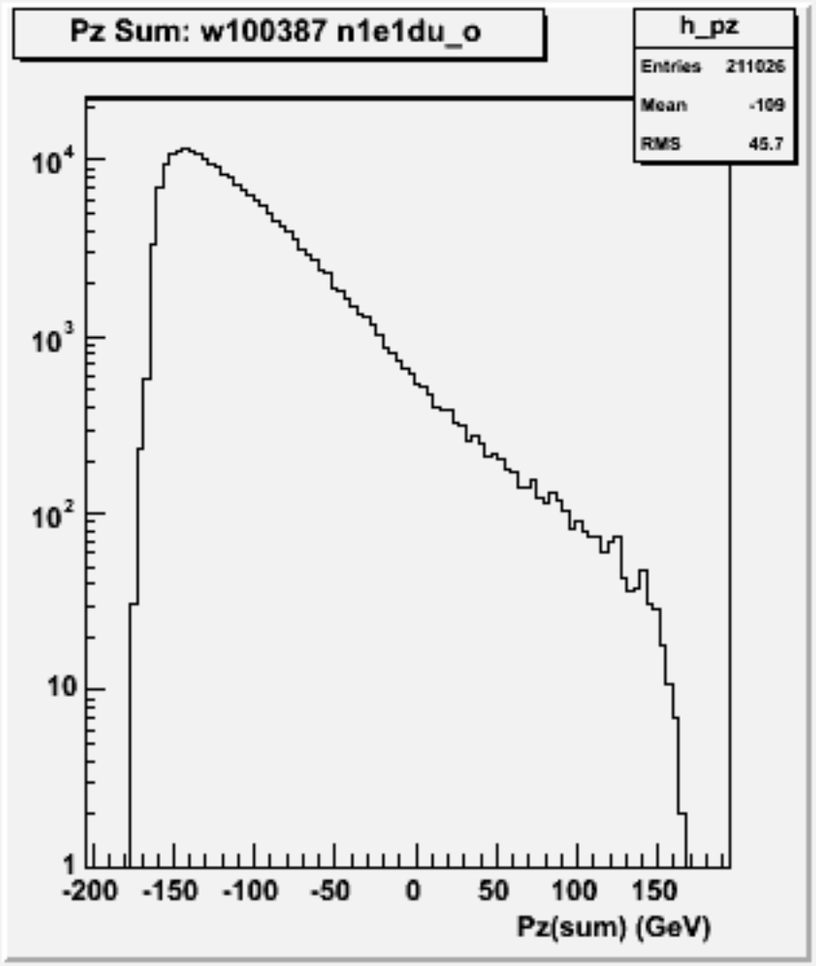

Start point Z : w100387 n1e1du_o
h_vz
Entries 9174946
Mean -4.862
RMS 160.9
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-40000
-20000
0
20000
40000
60000
Start point

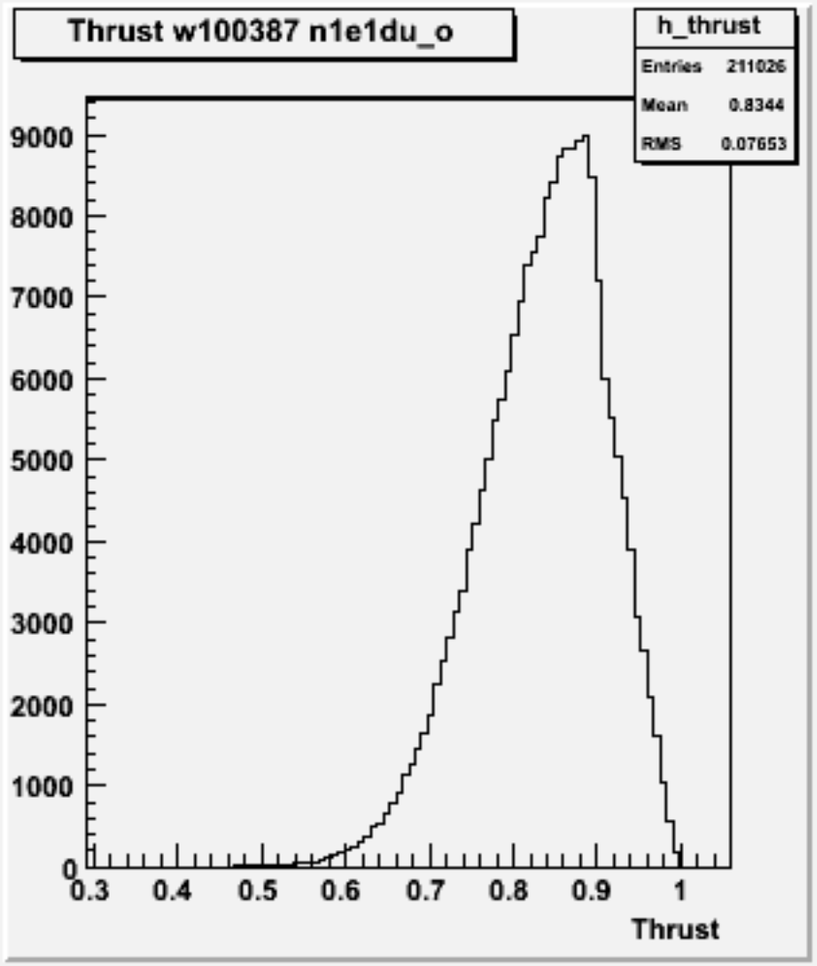

Total Energy (inc. ν): w100387 n1e1du_o
h_etot
Entries 211026
Mean 347.4
RMS 5.926
Total Energy(GeV)

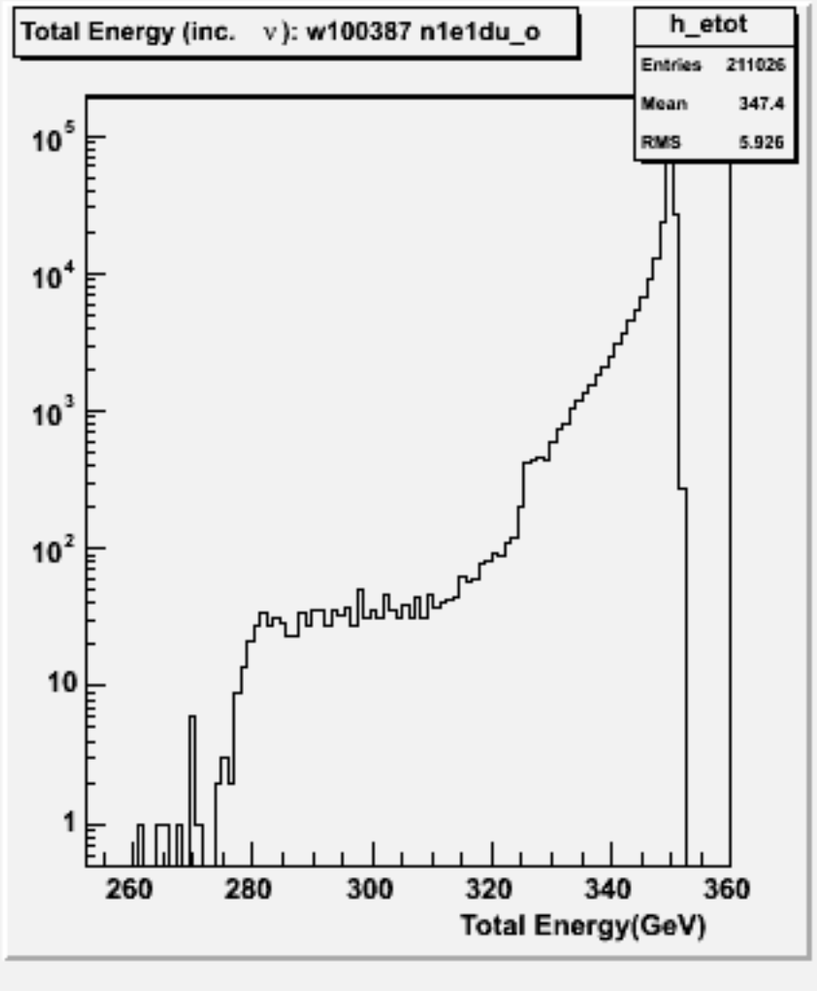

Total Energy (inc. ν): w100387 n1e1du_o
h_etotc
Entries 194983
Mean 348.7
RMS 2.28
Total Energy(GeV)

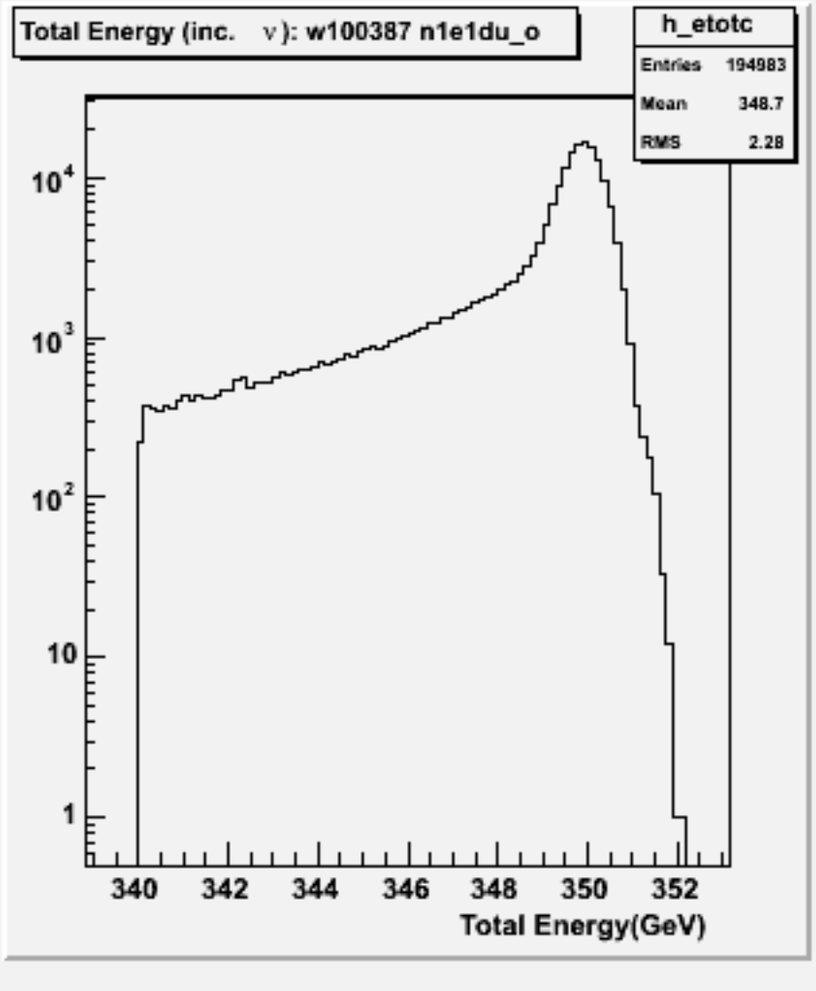

Total Energy (w/o ν): w100387 n1e1du_o
h_evis
Entries 211026
Mean 219
RMS 31.08
Energy(GeV)

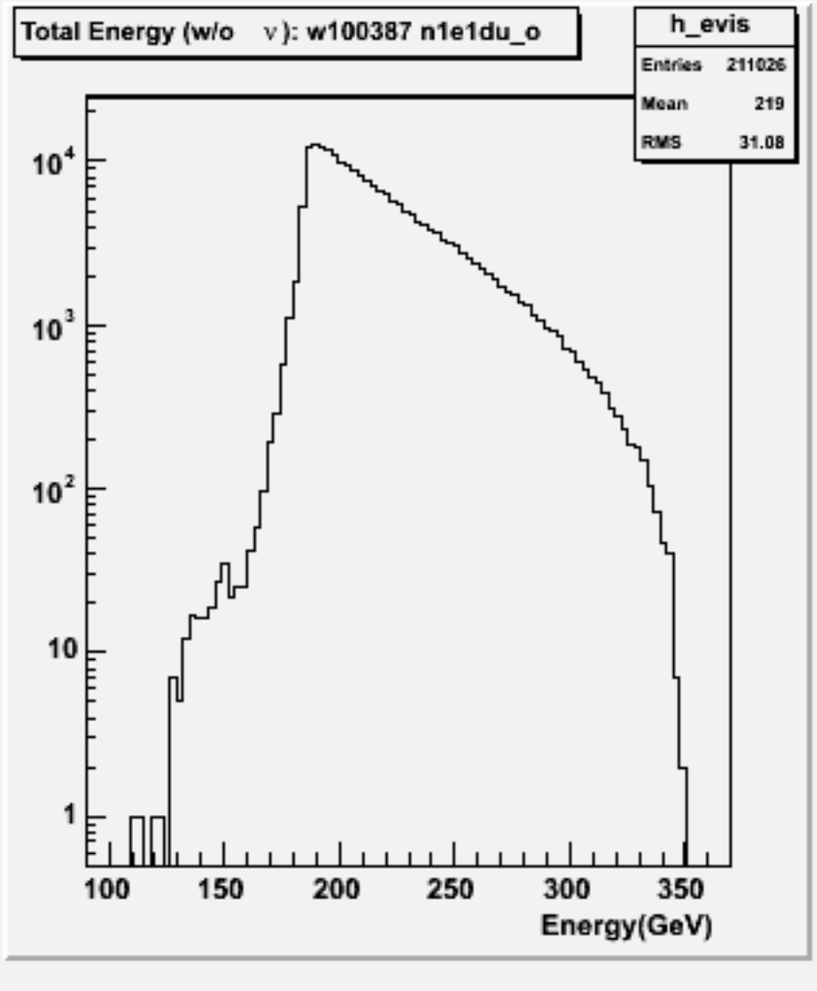

Pt Sum: w100387 n1e1du_o
h_pt
Entries 211026
Mean 50.63
RMS 30.05
Pt(sum) (GeV)

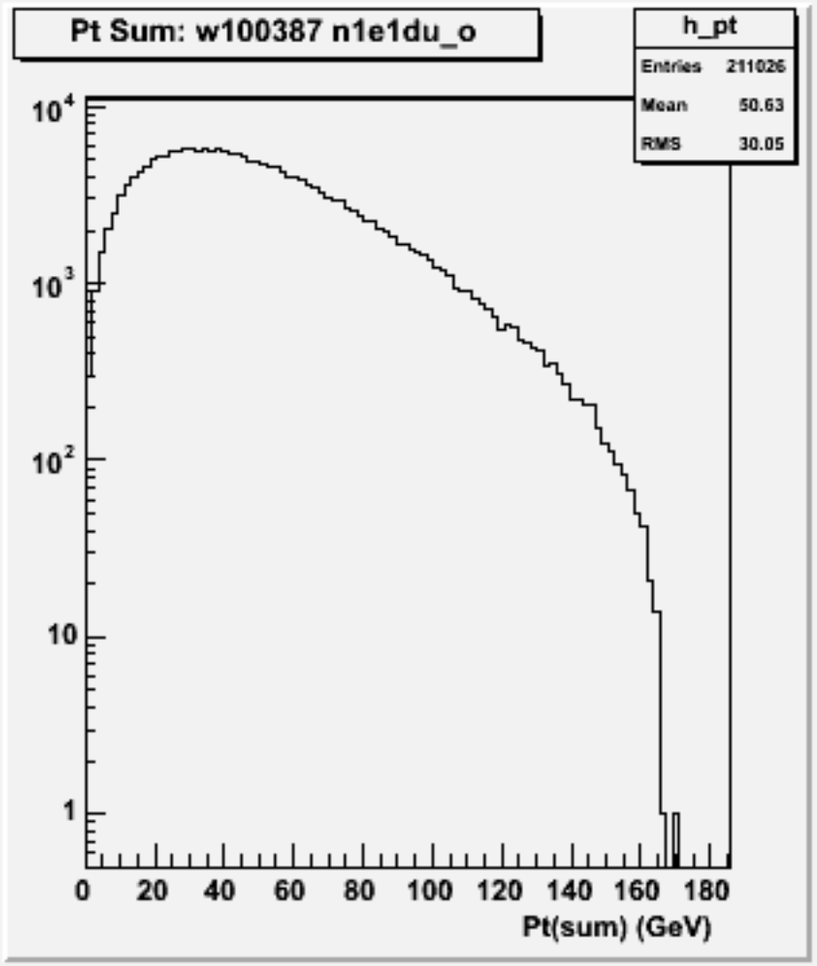

Pz Sum: w100387 n1e1du_o
h_pz
Entries 211026
Mean -109
RMS 45.7
Pz(sum) (GeV)

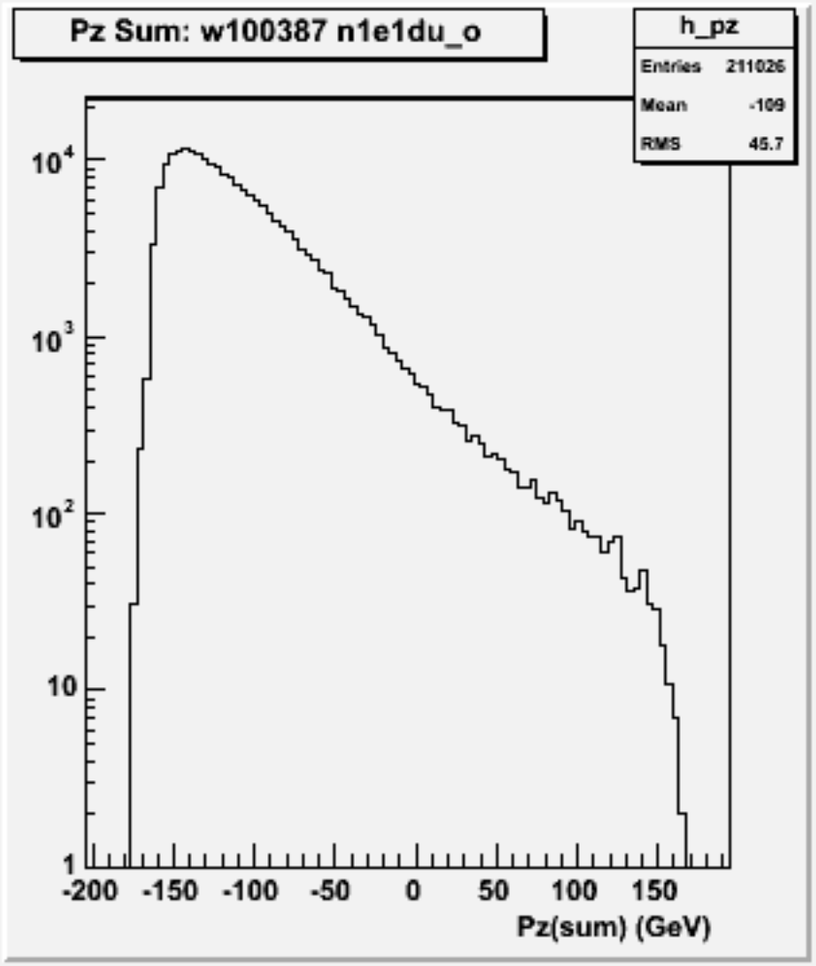

Thrust w100387 n1e1du_o
h_thrust
Entries 211026
Mean 0.8344
RMS 0.07653
Thrust

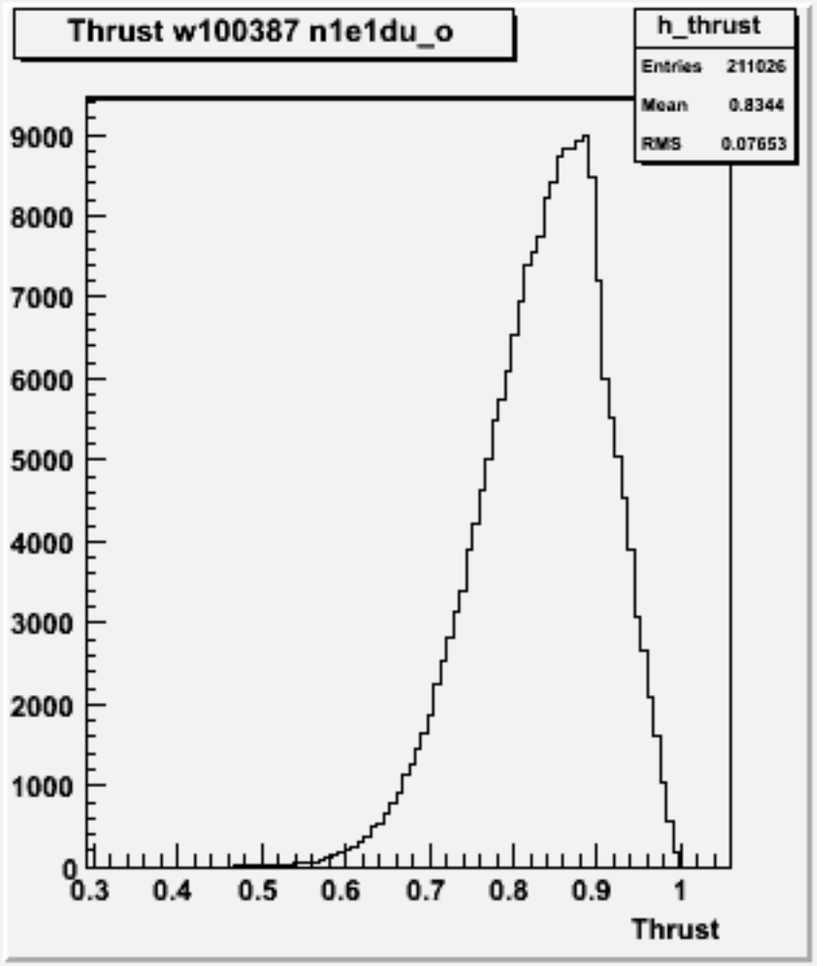

Total Energy (inc. ν): w100387 n1e1du_o
h_etot
Entries 211026
Mean 347.4
RMS 5.926
Total Energy(GeV)

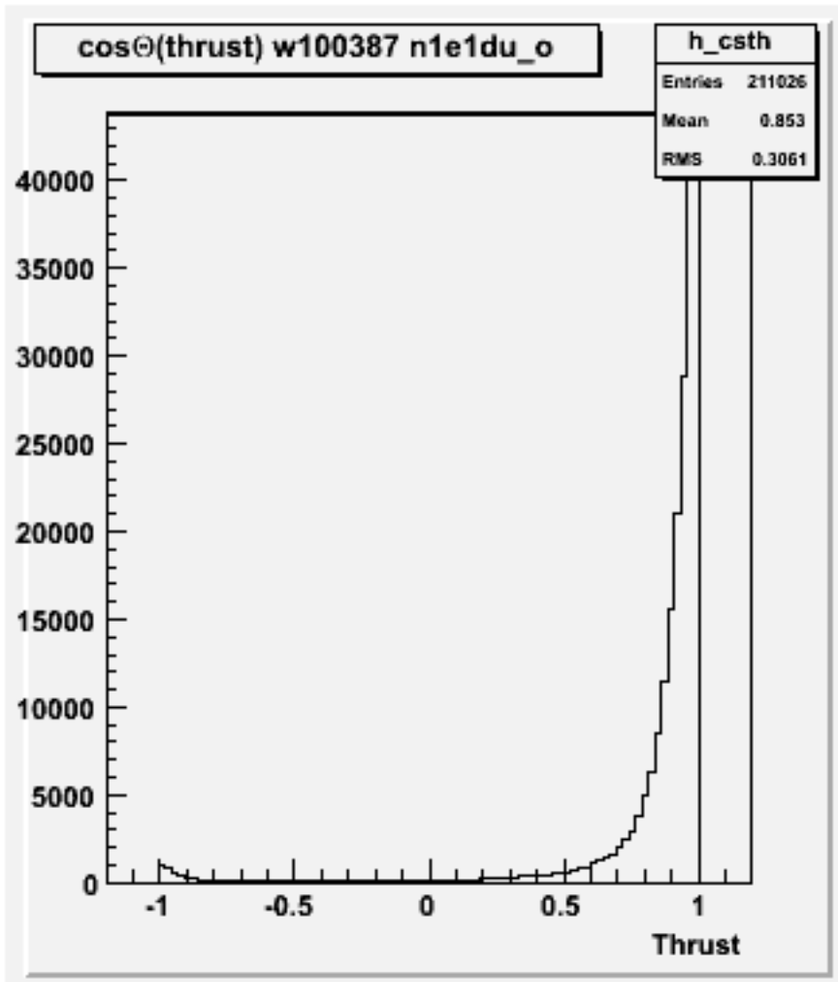

Total Energy (inc. ν): w100387 n1e1du_o
h_etotc
Entries 194983
Mean 348.7
RMS 2.28
Total Energy(GeV)

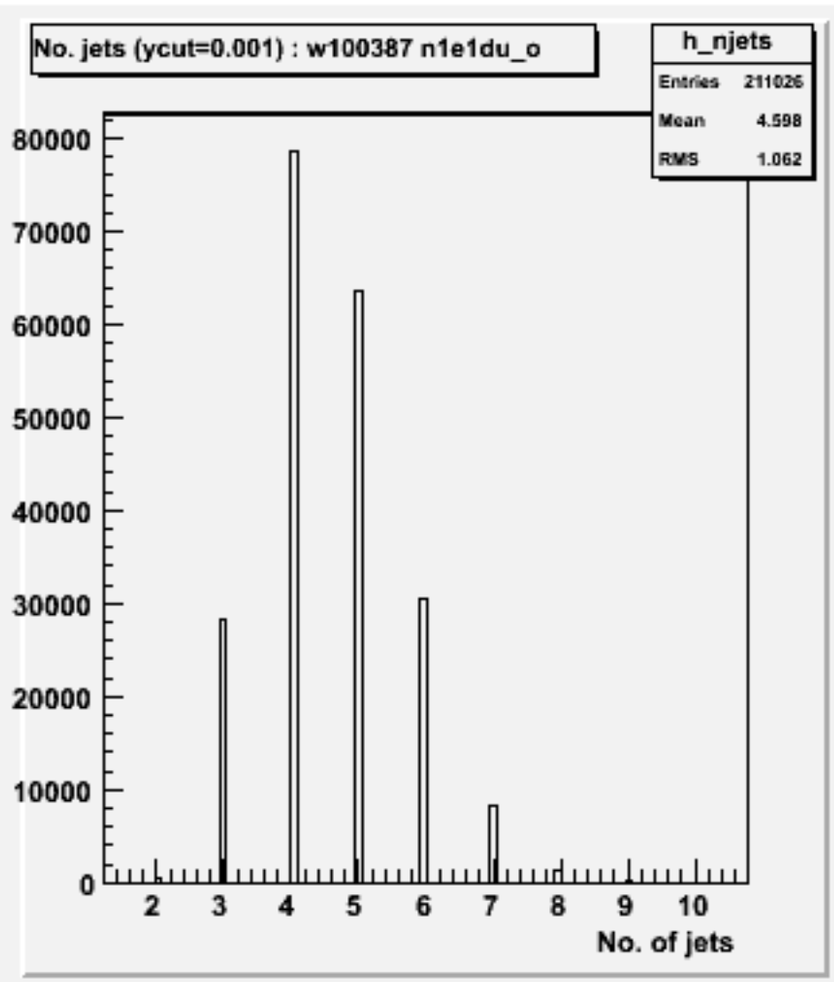

Total Energy (w/o ν): w100387 n1e1du_o
h_evis
Entries 211026
Mean 219
RMS 31.08
Energy(GeV)

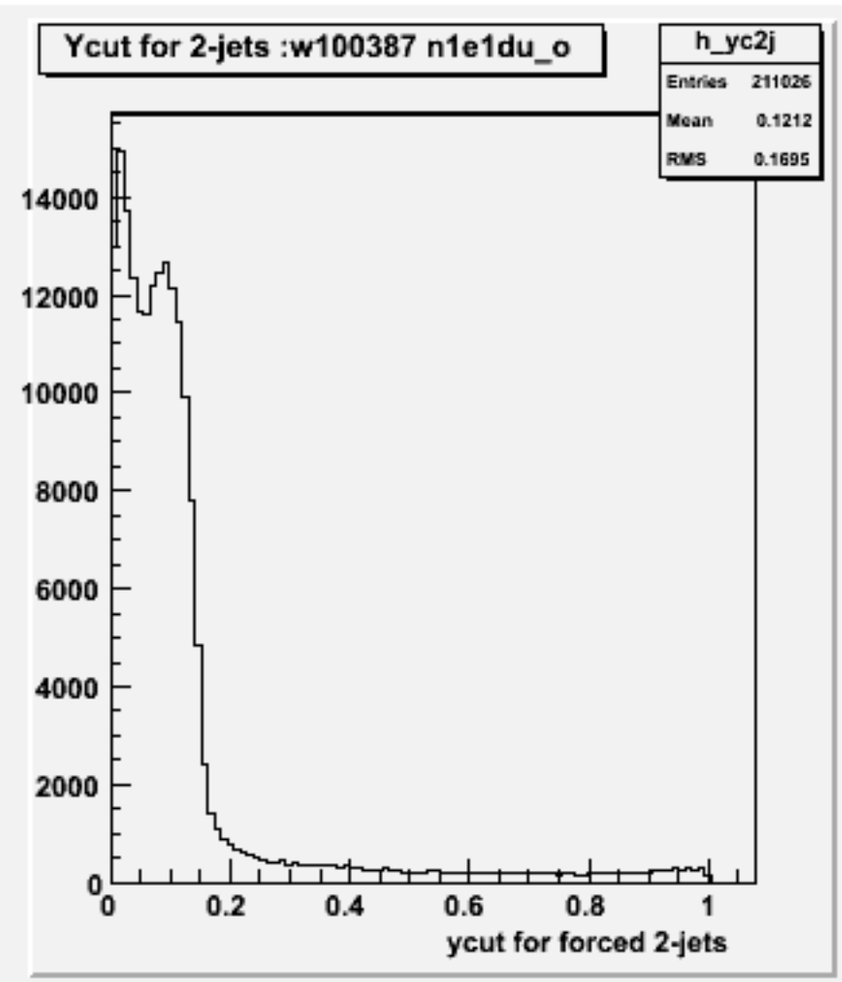

Pt Sum: w100387 n1e1du_o
h_pt
Entries 211026
Mean 50.63
RMS 30.05
Pt(sum) (GeV)

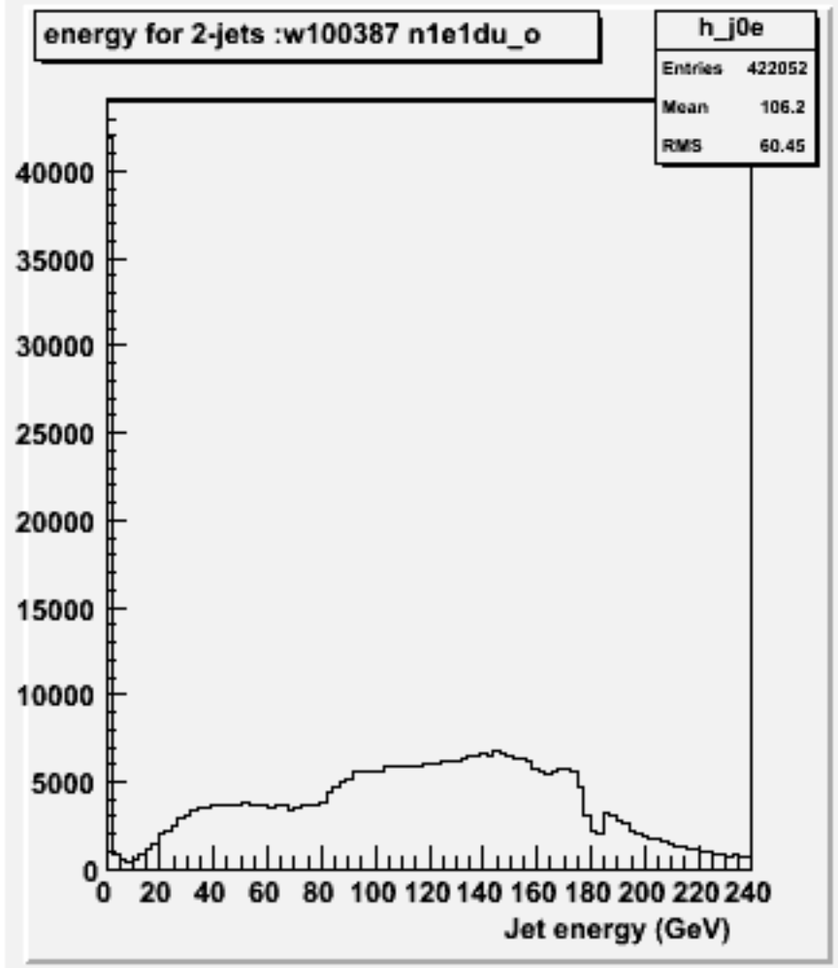

Pz Sum: w100387 n1e1du_o
h_pz
Entries 211026
Mean -109
RMS 45.7
Pz(sum) (GeV)

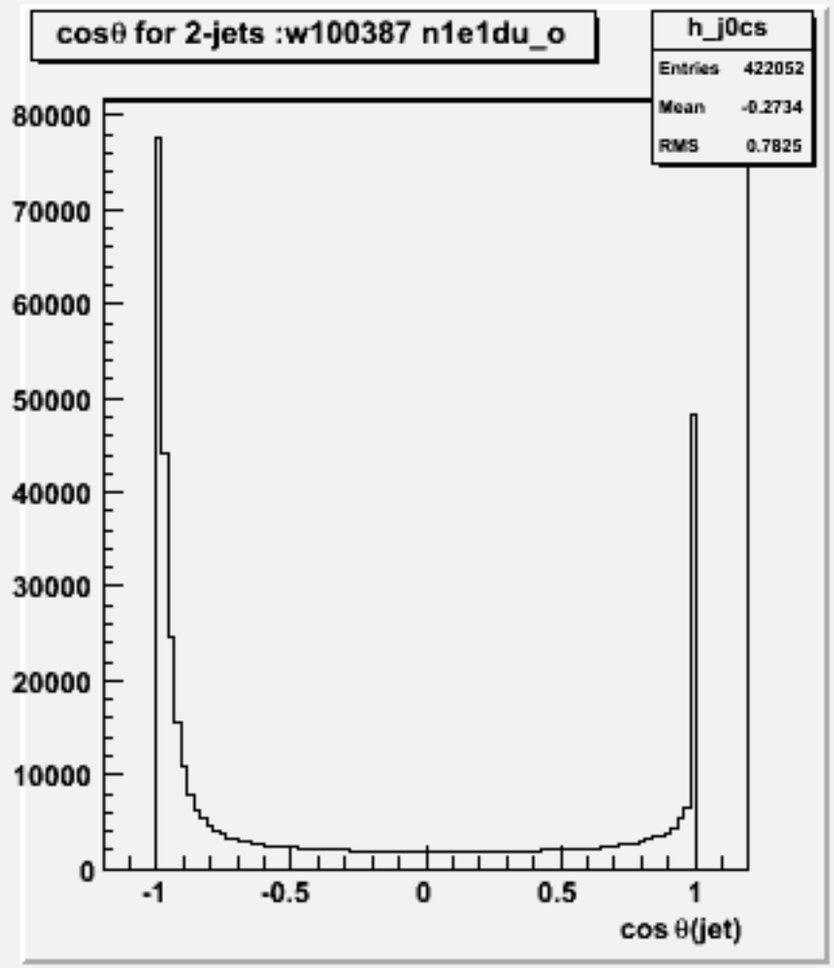

Thrust w100387 n1e1du_o
h_thrust
Entries 211026
Mean 0.8344
RMS 0.07653
Thrust

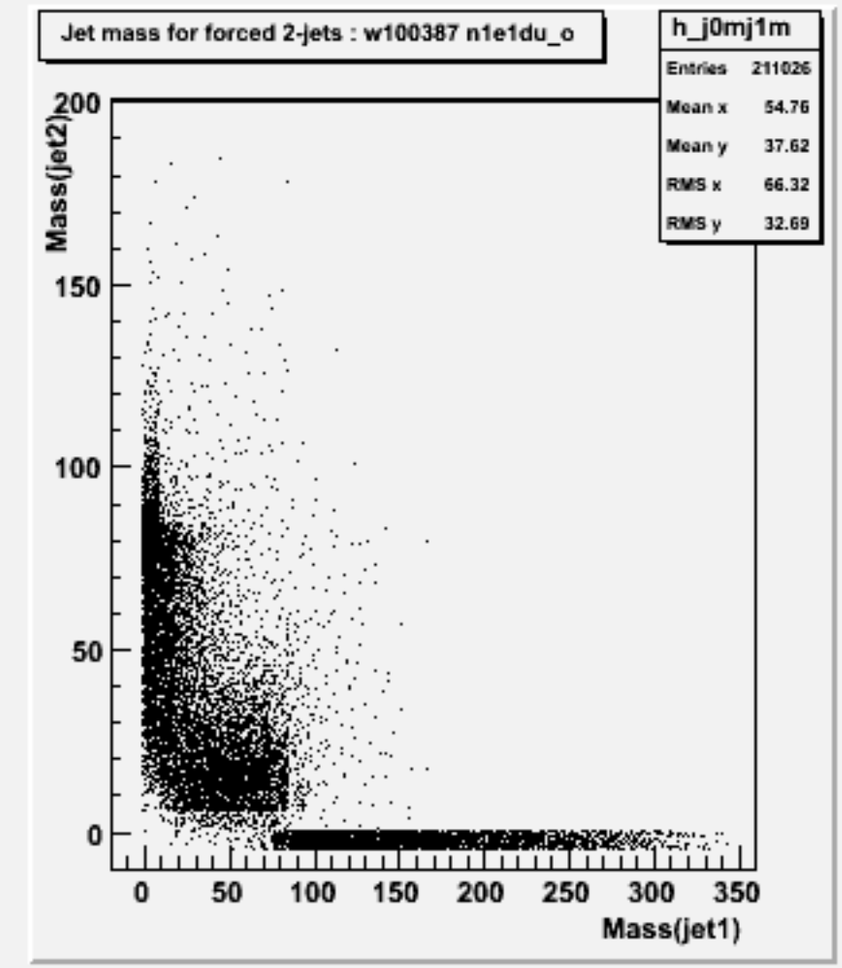

cosΘ(thrust) w100387 n1e1du_o
h_csth
Entries 211026
Mean 0.853
RMS 0.3061
Thrust

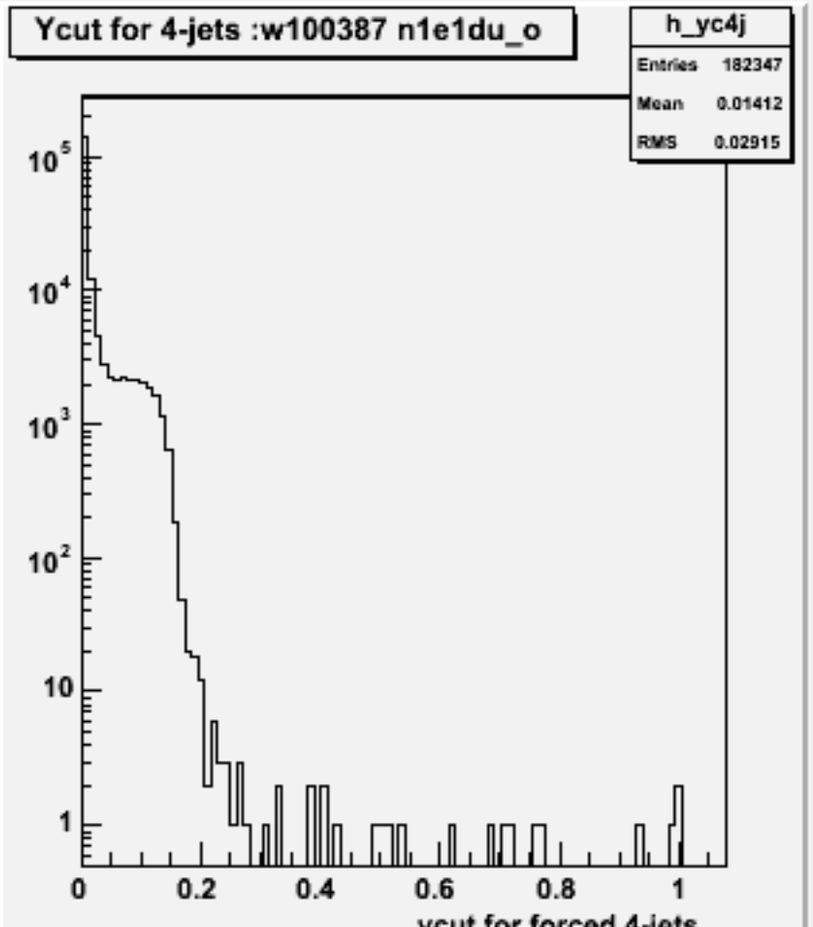

No. jets (ycut=0.001) : w100387 n1e1du_o
h_njets
Entries 211026
Mean 4.598
RMS 1.062
No. of jets

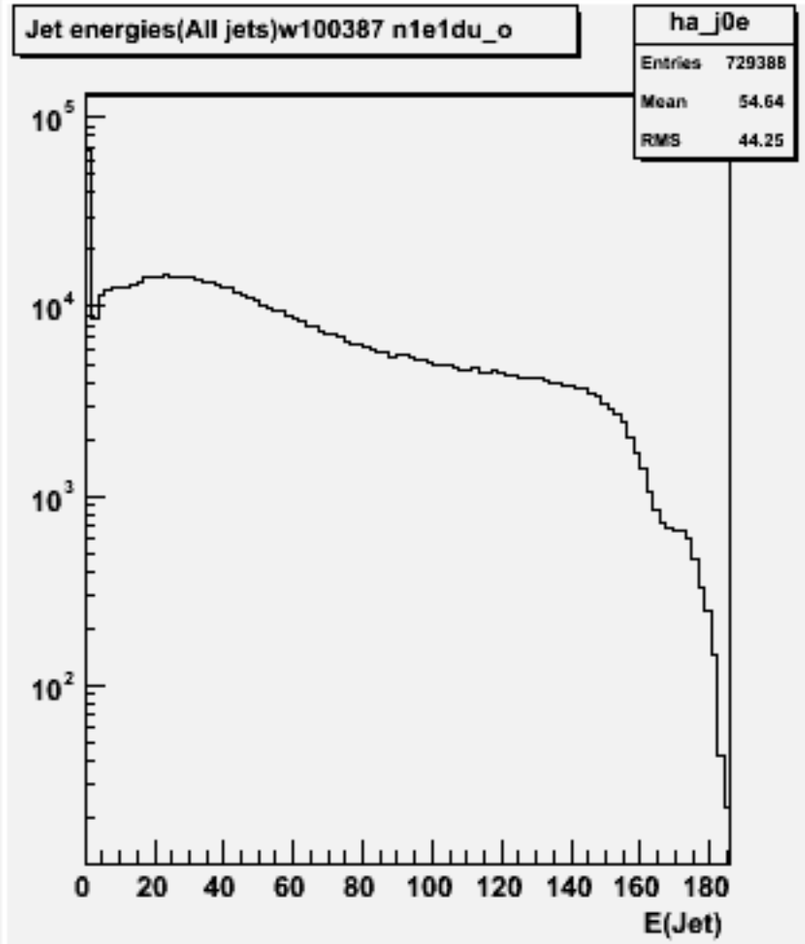

Ycut for 2-jets :w100387 n1e1du_o
h_yc2j
Entries 211026
Mean 0.1212
RMS 0.1695
ycut for forced 2-jets

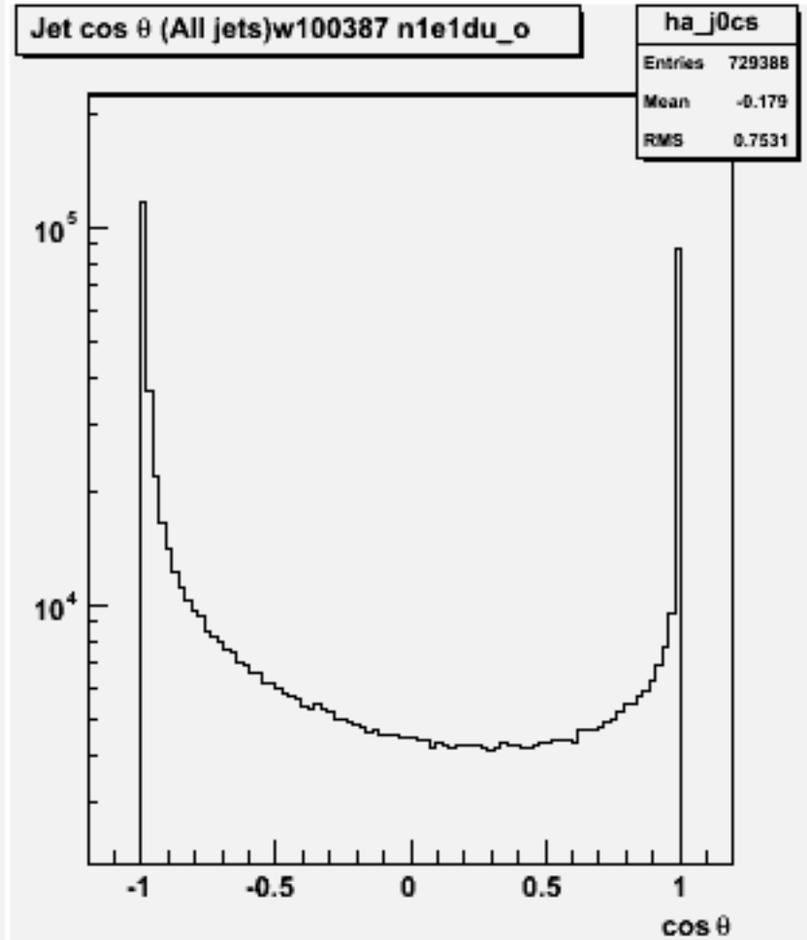

energy for 2-jets :w100387 n1e1du_o
h_j0e
Entries 422052
Mean 106.2
RMS 60.45
Jet energy (GeV)

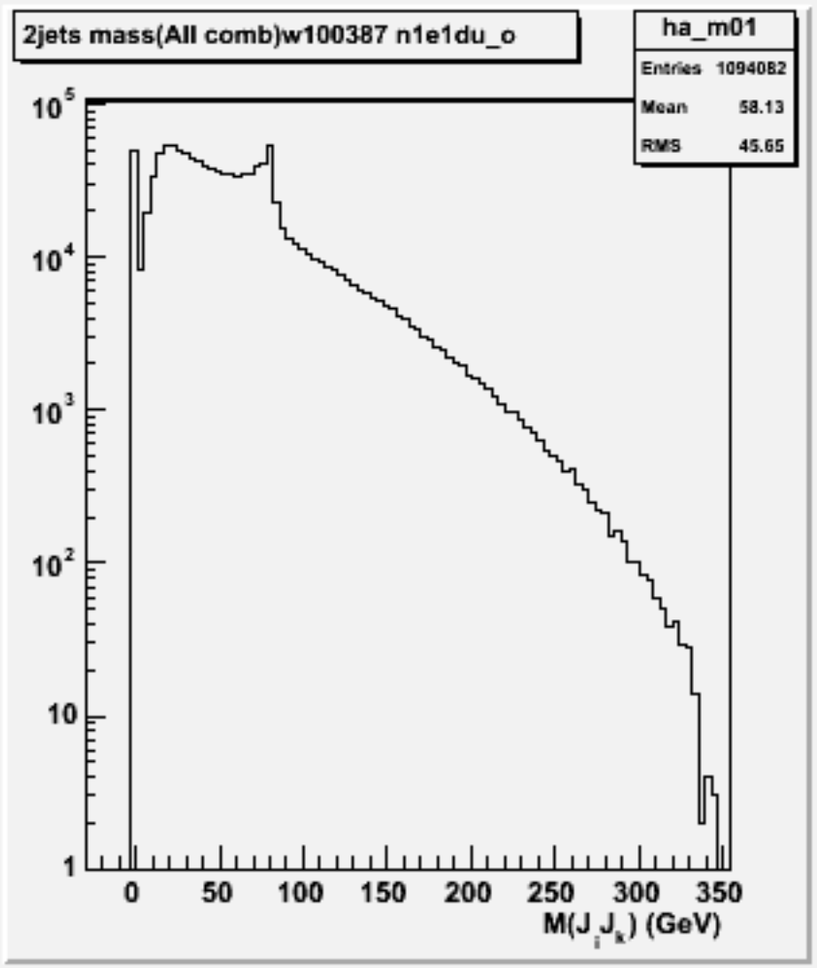

cosθ for 2-jets :w100387 n1e1du_o
h_j0cs
Entries 422052
Mean -0.2734
RMS 0.7825
cos θ(jet)

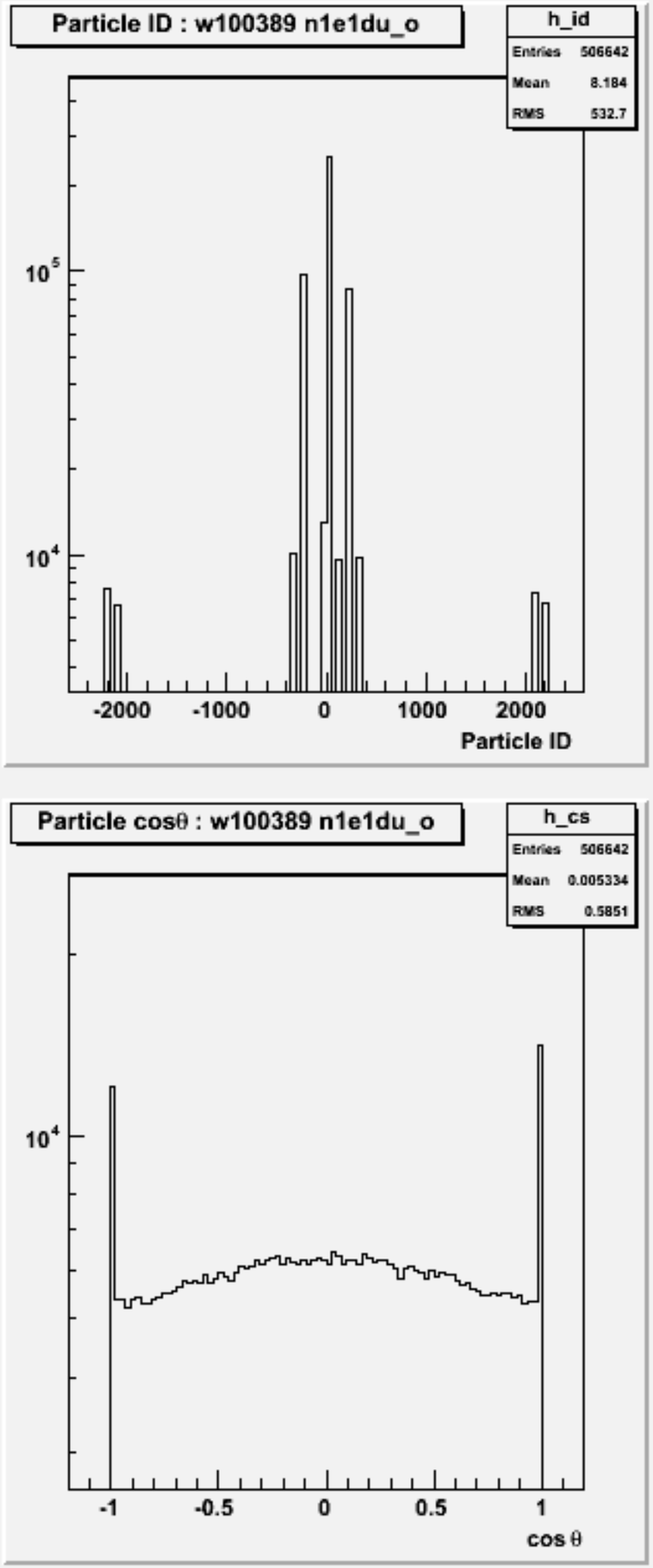

Jet mass for forced 2-jets : w100387 n1e1du_o
h_j0mj1m
Entries 211026
Mean x 54.76
Mean y 37.62
RMS x 66.32
RMS y 32.69
Mass(jet2)
Mass(jet1)

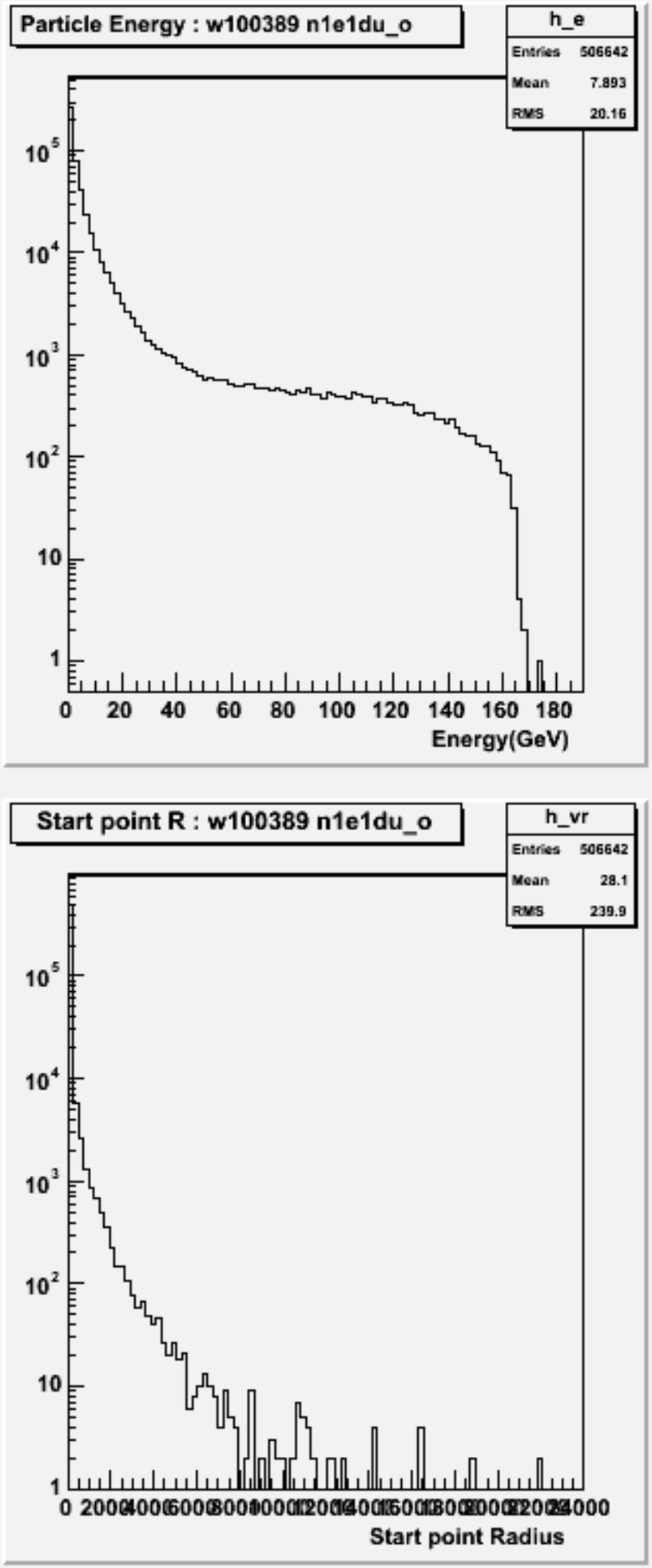

Ycut for 4-jets :w100387 n1e1du_o
h_yc4j
Entries 182347
Mean 0.01412
RMS 0.02915
ycut for forced 4-jets

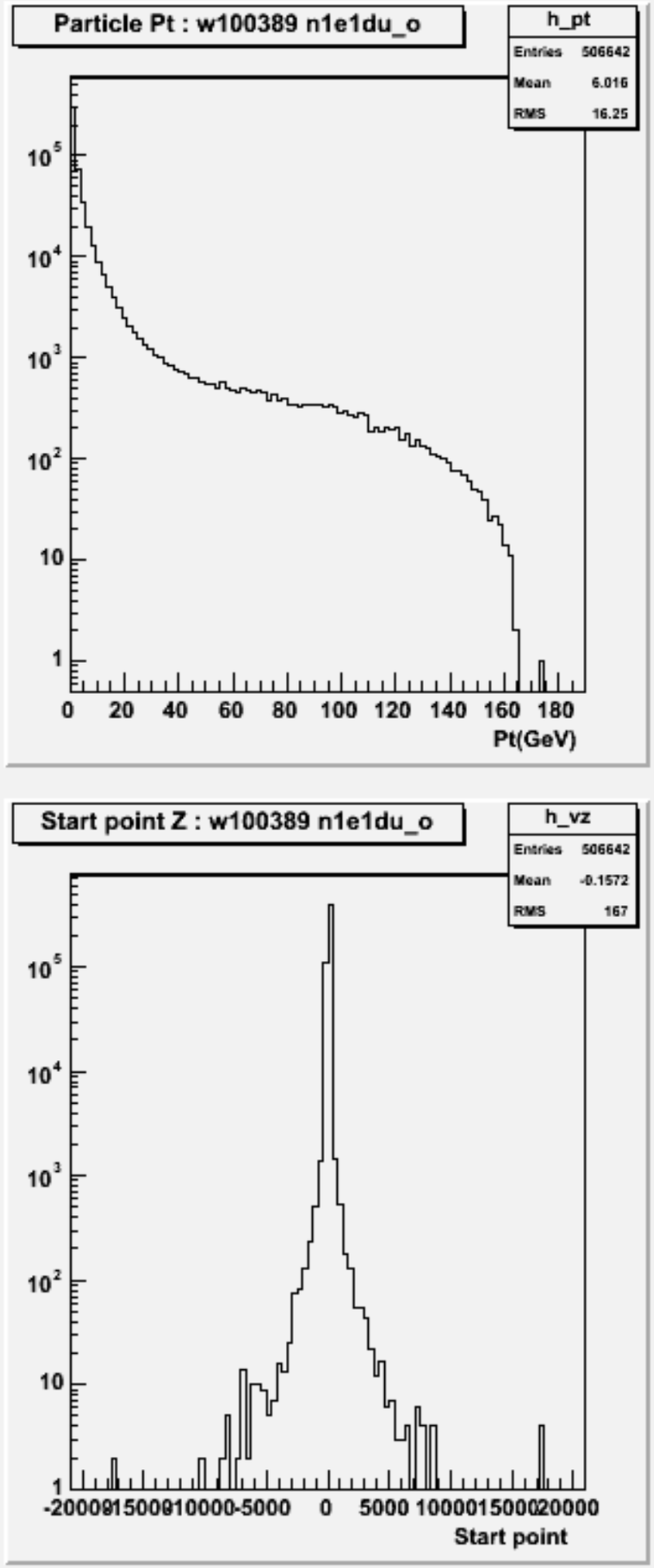

Jet energies(All jets)w100387 n1e1du_o
ha_j0e
Entries 729388
Mean 54.64
RMS 44.25
E(Jet)


Jet cos θ (All jets)w100387 n1e1du_o
ha_j0cs
Entries 729388
Mean -0.179
RMS 0.7531
cos θ


2jets mass(All comb)w100387 n1e1du_o
ha_m01
Entries 1094082
Mean 58.13
RMS 45.65
M(J_iJ_k) (GeV)


Particle ID : w100389 n1e1du_o
h_id
Entries 506642
Mean 8.184
RMS 532.7
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

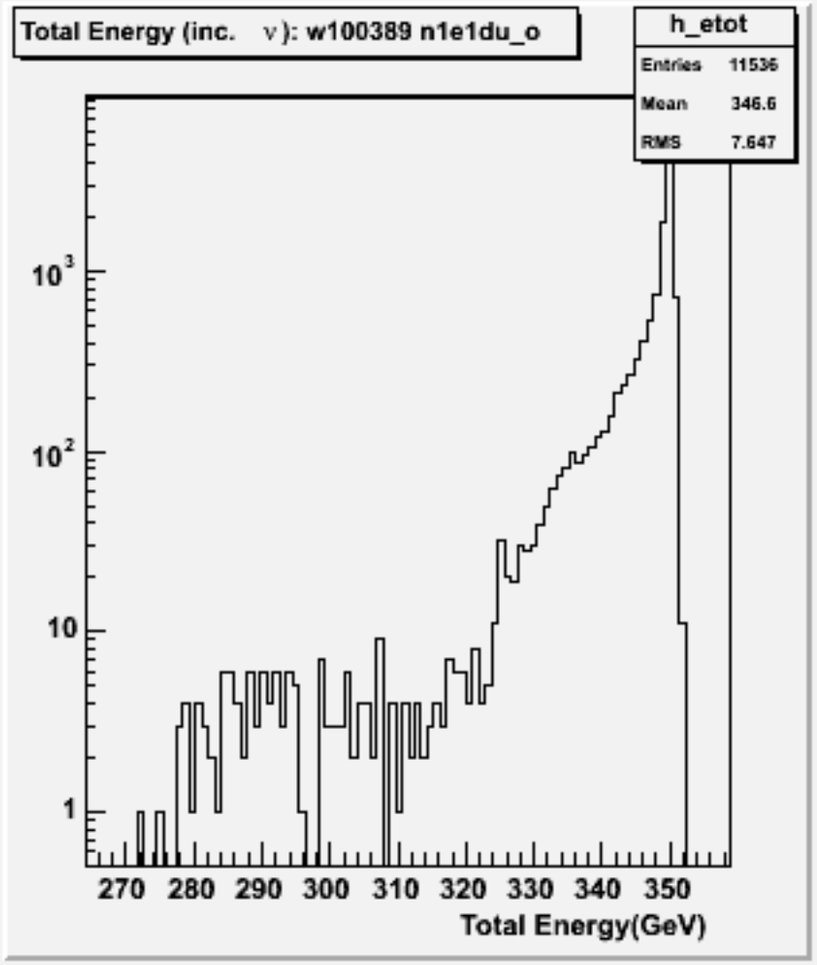

Particle Energy : w100389 n1e1du_o
h_e
Entries 506642
Mean 7.893
RMS 20.16
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

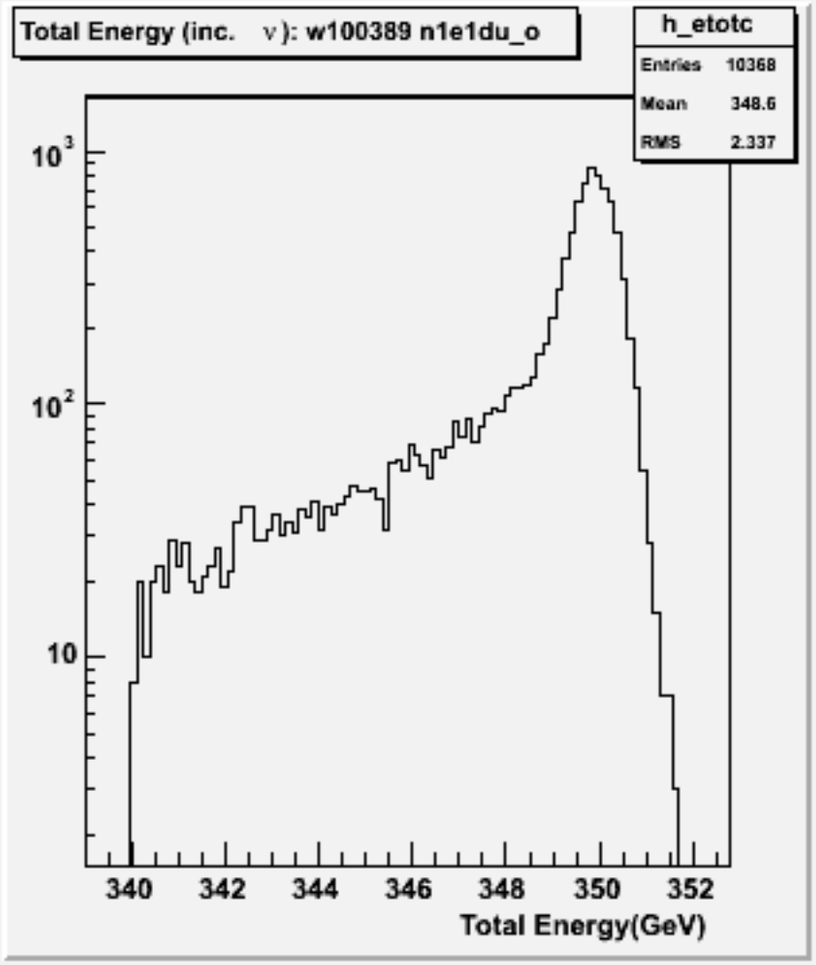

Particle Pt : w100389 n1e1du_o
h_pt
Entries 506642
Mean 6.016
RMS 16.25
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

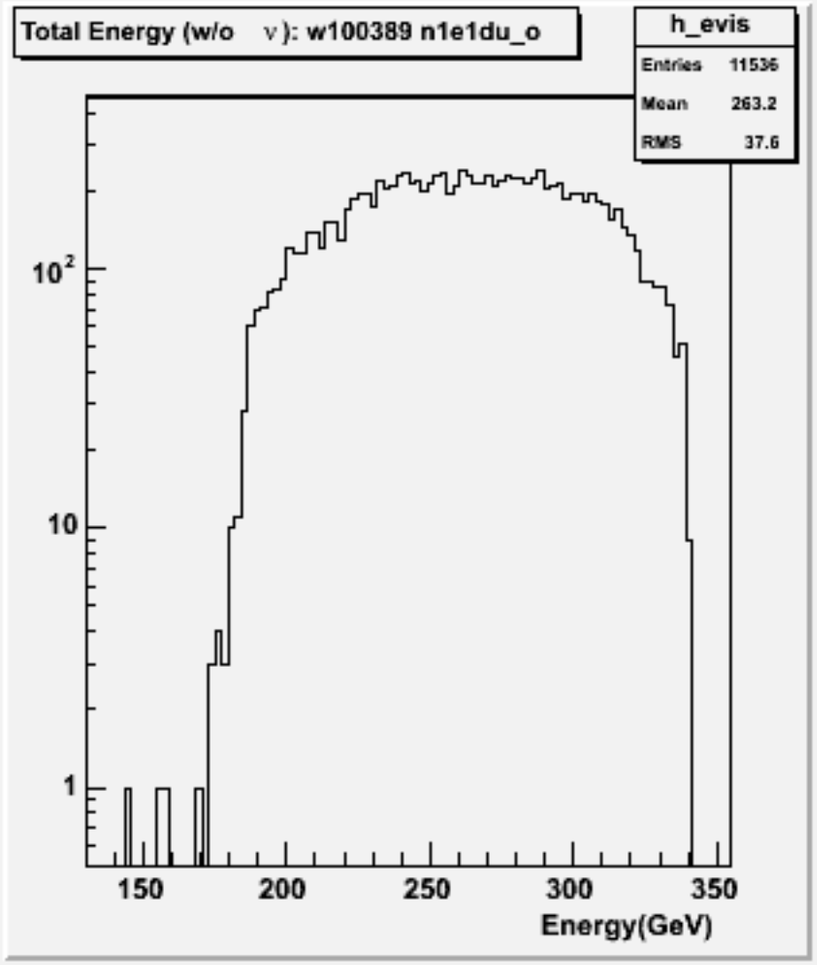
Particle cosθ : w100389 n1e1du_o
h_cs
Entries 506642
Mean 0.005334
RMS 0.5851
10^4
-1
-0.5
0
0.5
1
cos θ

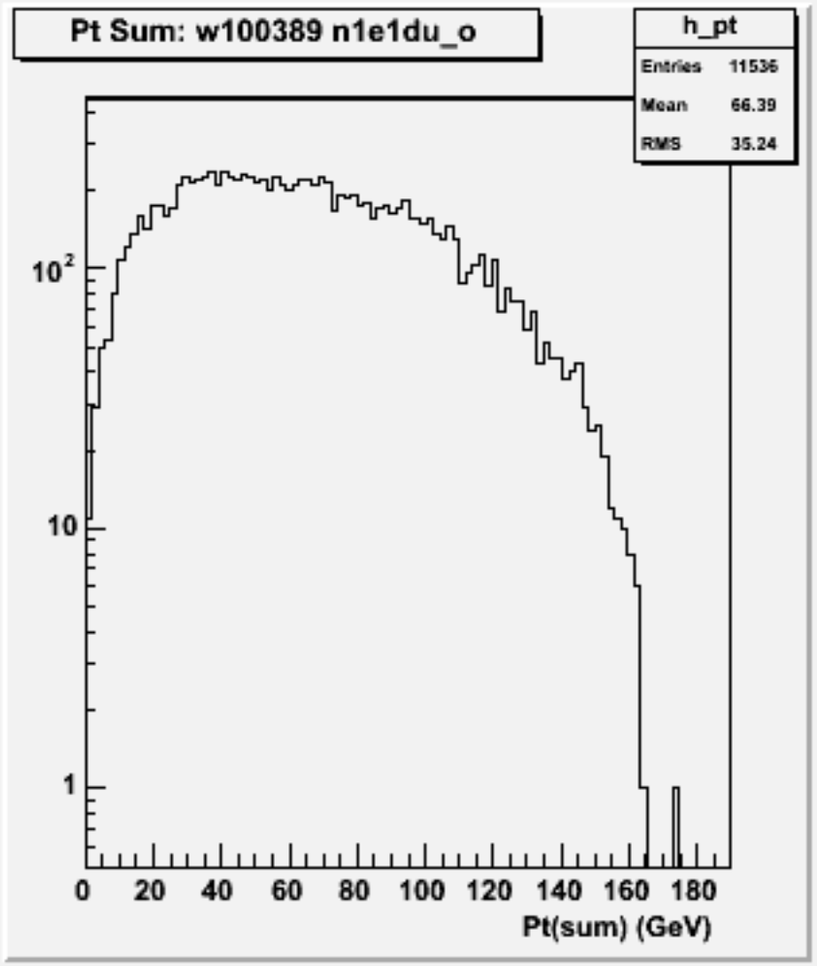
Start point R : w100389 n1e1du_o
h_vr
Entries 506642
Mean 28.1
RMS 239.9
10^5
10^4
10^3
10^2
10
1
0
Start point Radius

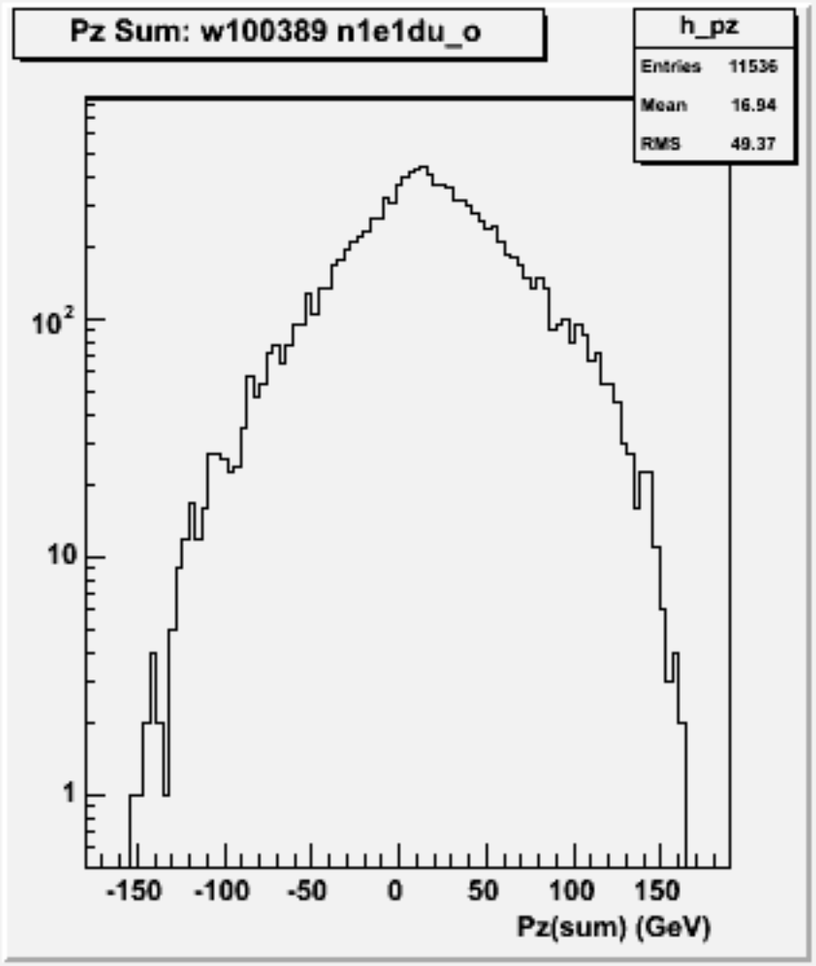
Start point Z : w100389 n1e1du_o
h_vz
Entries 506642
Mean -0.1572
RMS 167
10^5
10^4
10^3
10^2
10
1
-5000
0
5000
Start point

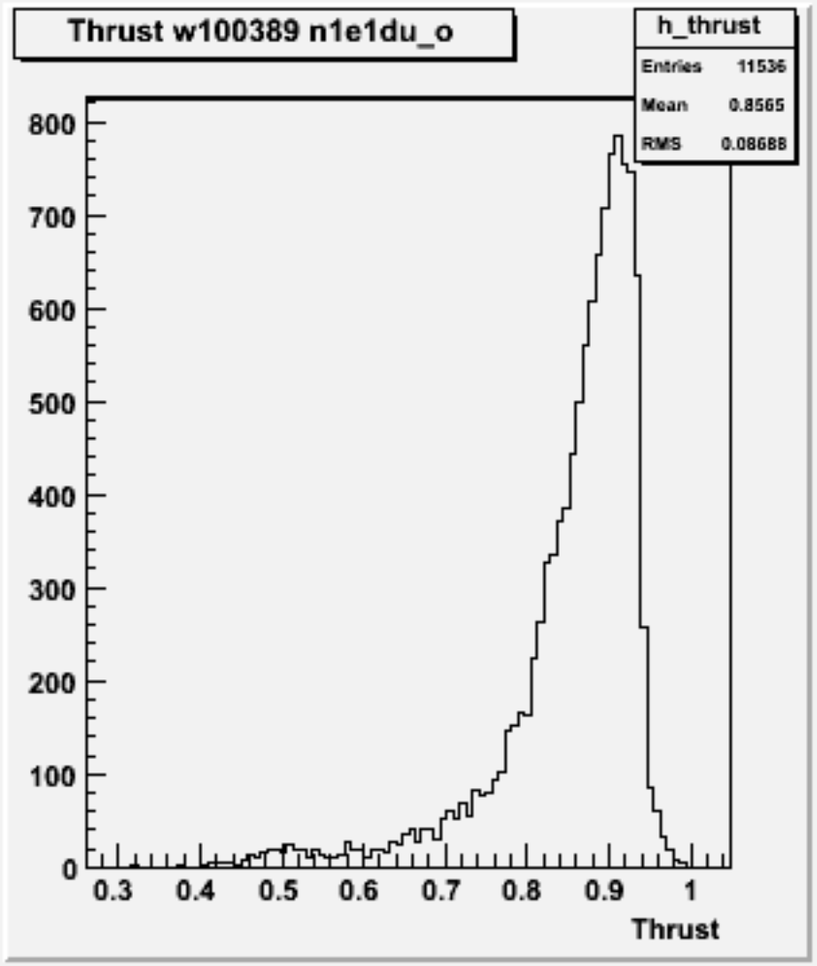

Total Energy (inc. ν): w100389 n1e1du_o
h_etot
Entries 11536
Mean 346.6
RMS 7.647
Total Energy(GeV)

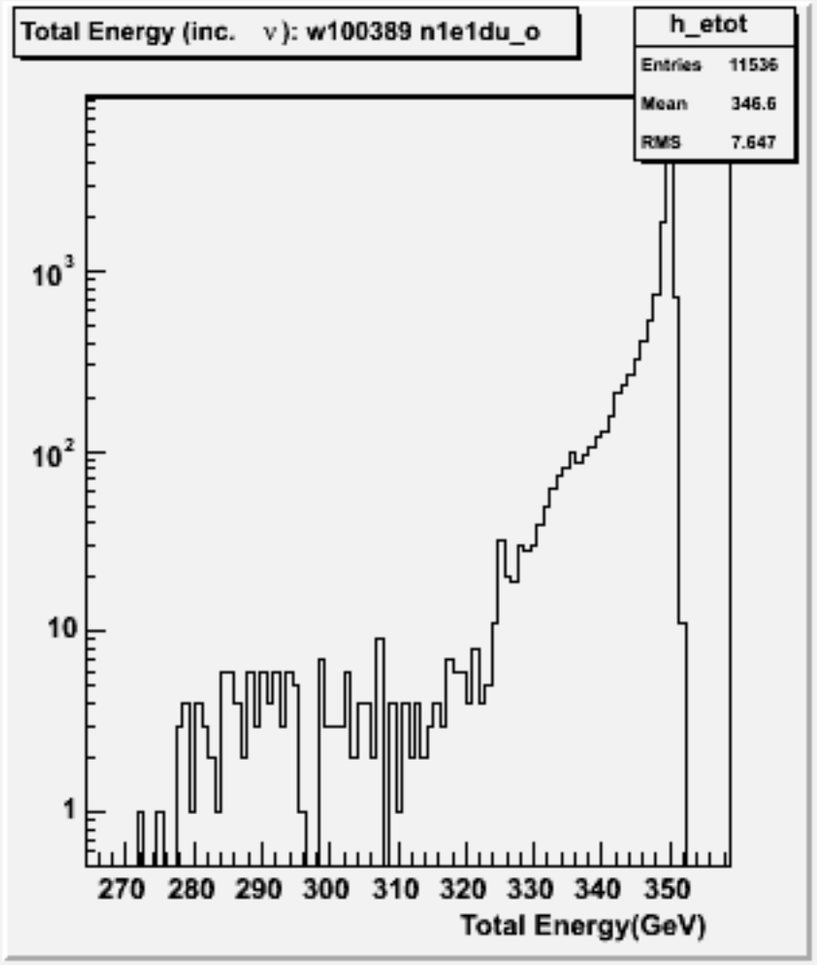

Total Energy (inc. ν): w100389 n1e1du_o
h_etotc
Entries 10368
Mean 348.6
RMS 2.337
Total Energy(GeV)

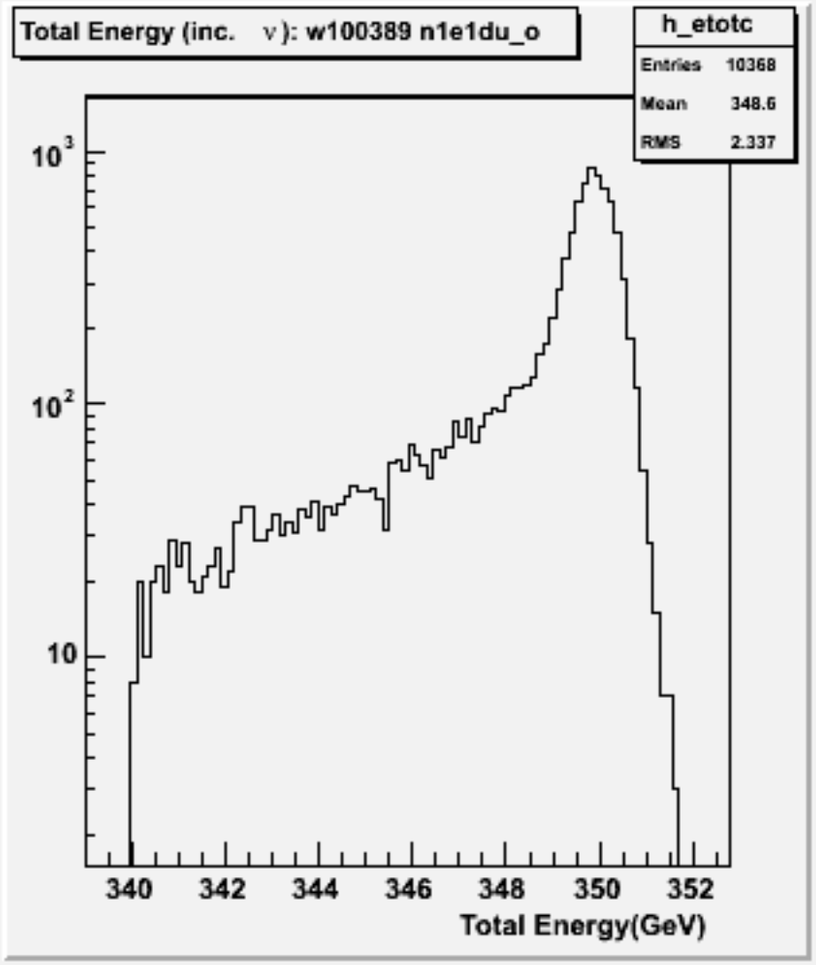

Total Energy (w/o ν): w100389 n1e1du_o
h_evis
Entries 11536
Mean 263.2
RMS 37.6
Energy(GeV)

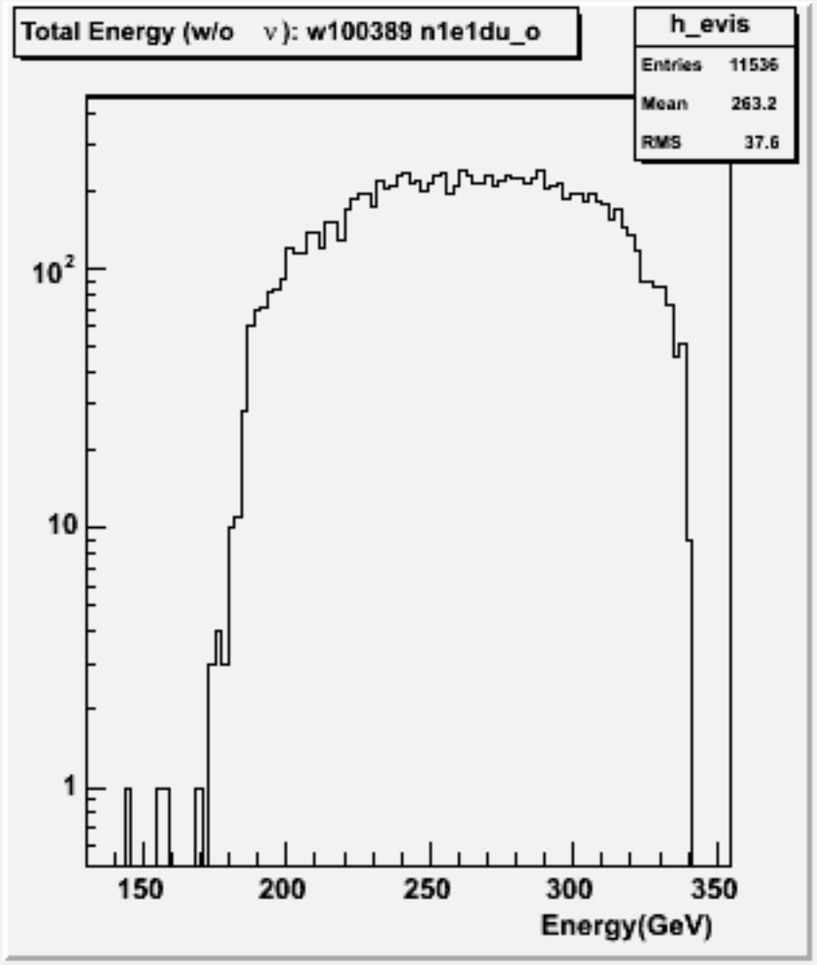

Pt Sum: w100389 n1e1du_o
h_pt
Entries 11536
Mean 66.39
RMS 35.24
Pt(sum) (GeV)

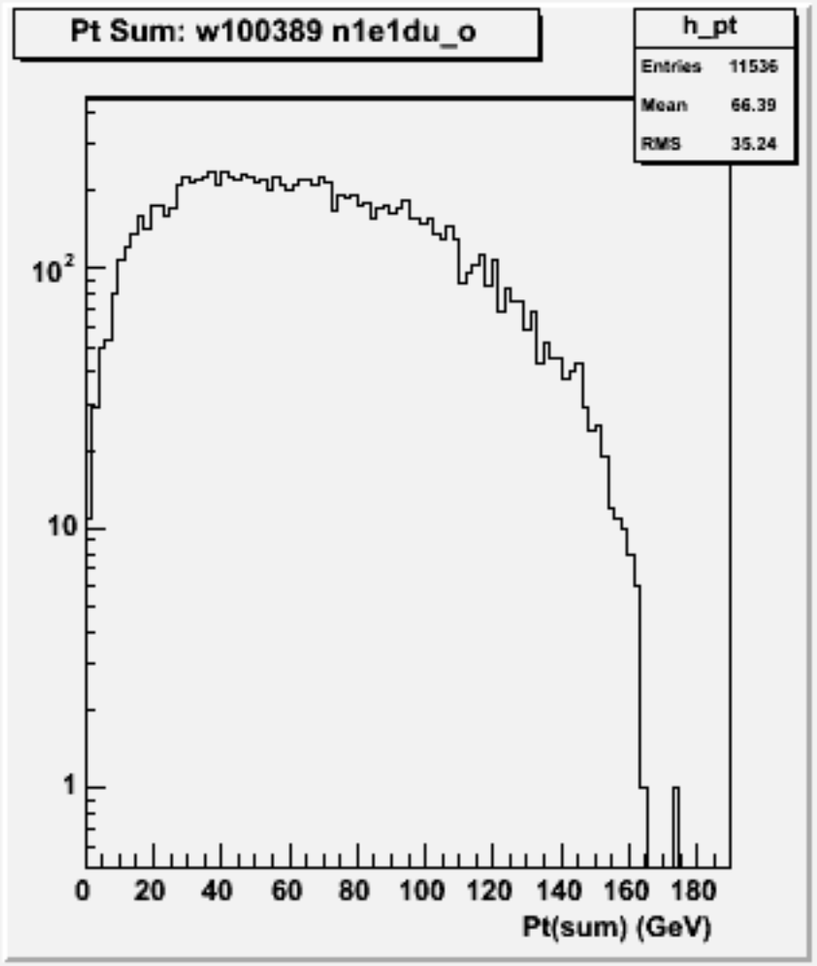

Pz Sum: w100389 n1e1du_o
h_pz
Entries 11536
Mean 16.94
RMS 49.37
Pz(sum) (GeV)

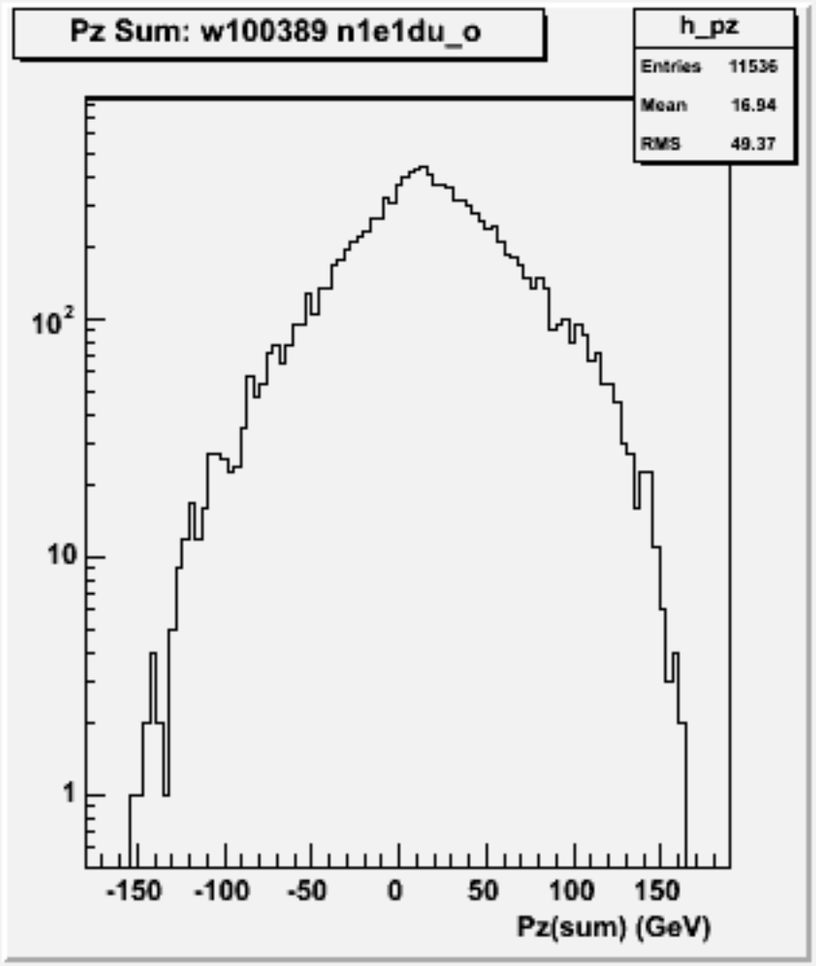

Thrust w100389 n1e1du_o
h_thrust
Entries 11536
Mean 0.8565
RMS 0.08688
Thrust

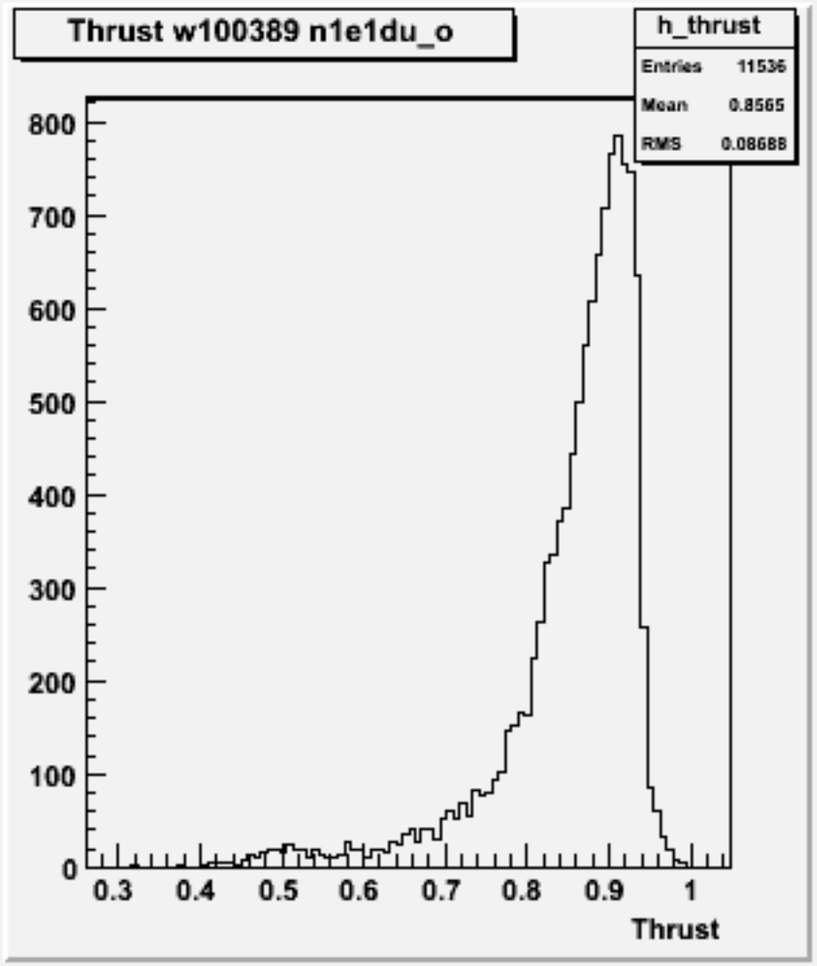

Total Energy (inc. ν): w100389 n1e1du_o
h_etot
Entries 11536
Mean 346.6
RMS 7.647
Total Energy(GeV)

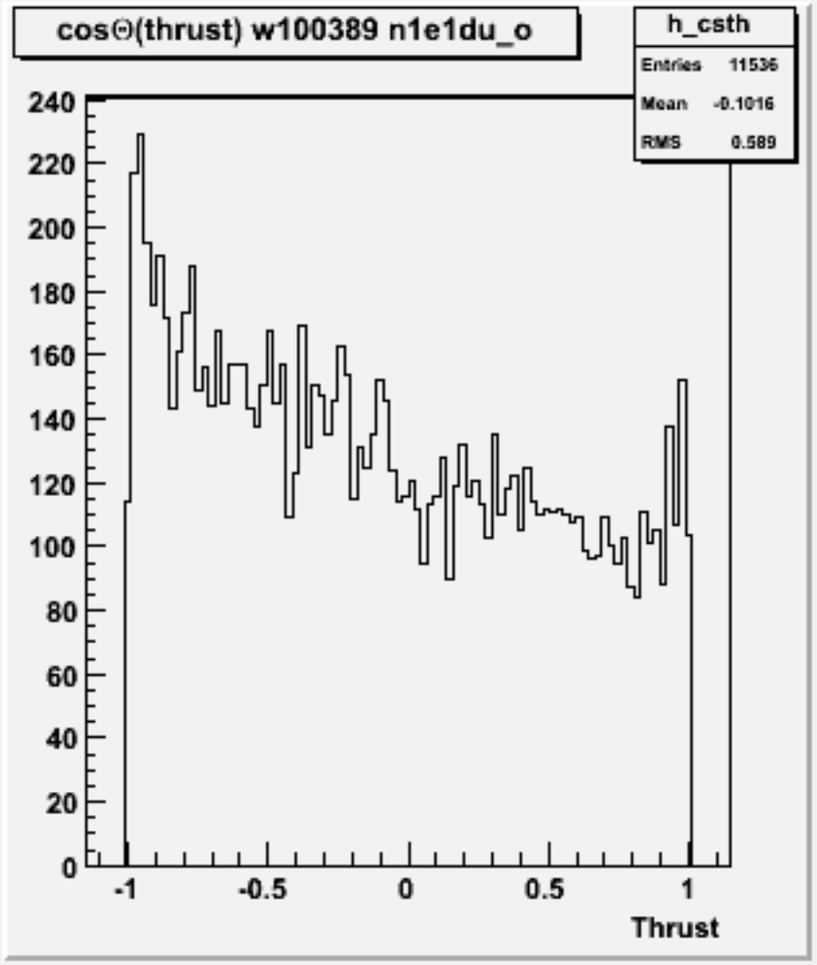

Total Energy (inc. ν): w100389 n1e1du_o
h_etotc
Entries 10368
Mean 348.6
RMS 2.337
Total Energy(GeV)

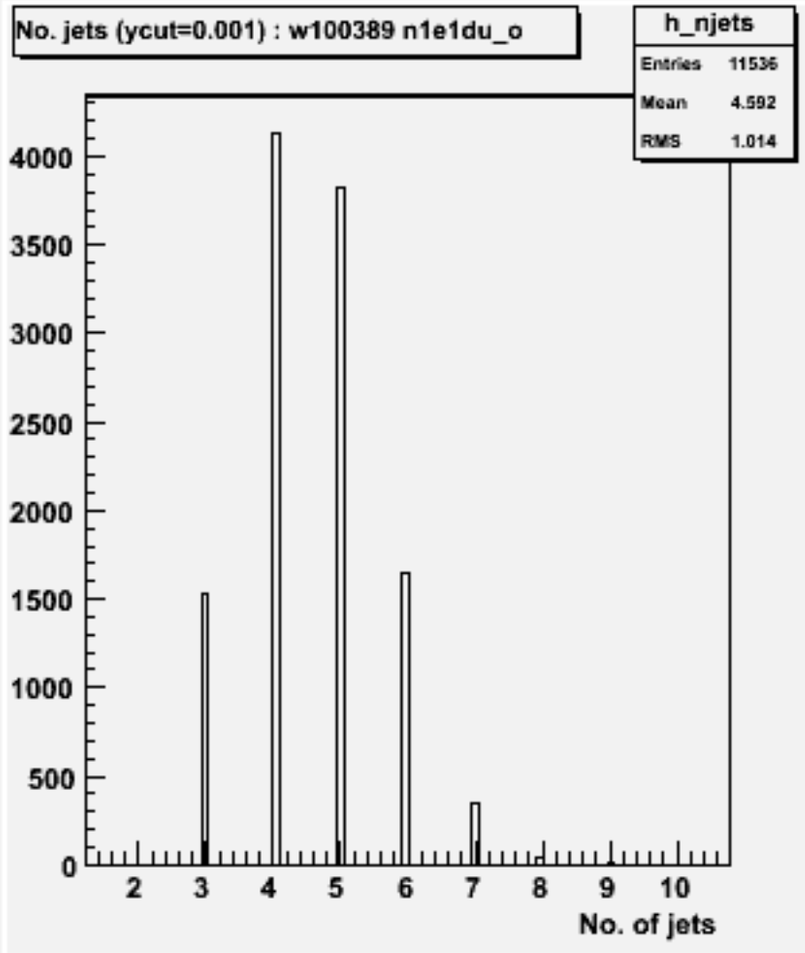

Total Energy (w/o ν): w100389 n1e1du_o
h_evis
Entries 11536
Mean 263.2
RMS 37.6
Energy(GeV)

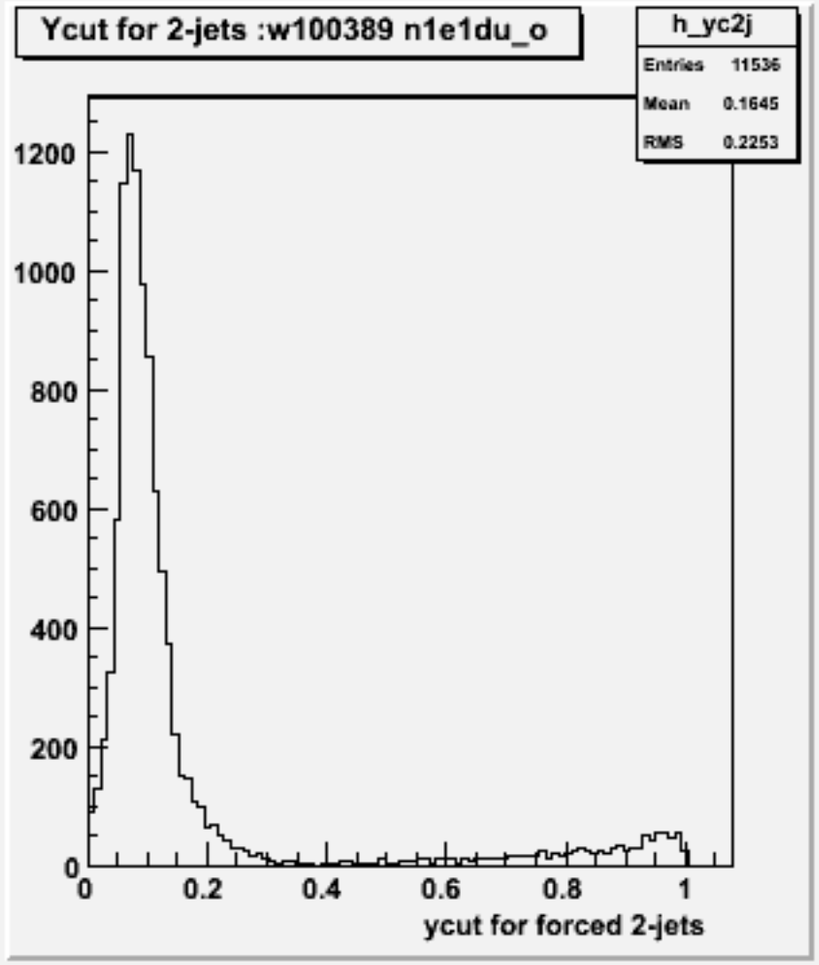

Pt Sum: w100389 n1e1du_o
h_pt
Entries 11536
Mean 66.39
RMS 35.24
Pt(sum) (GeV)

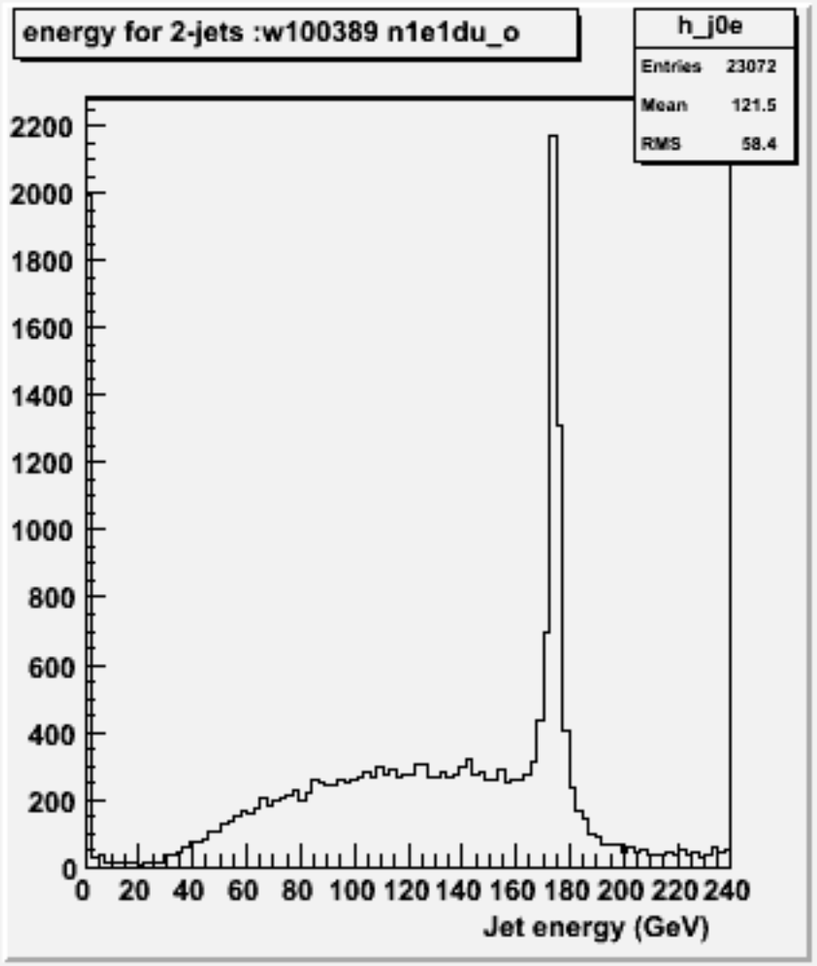

Pz Sum: w100389 n1e1du_o
h_pz
Entries 11536
Mean 16.94
RMS 49.37
Pz(sum) (GeV)

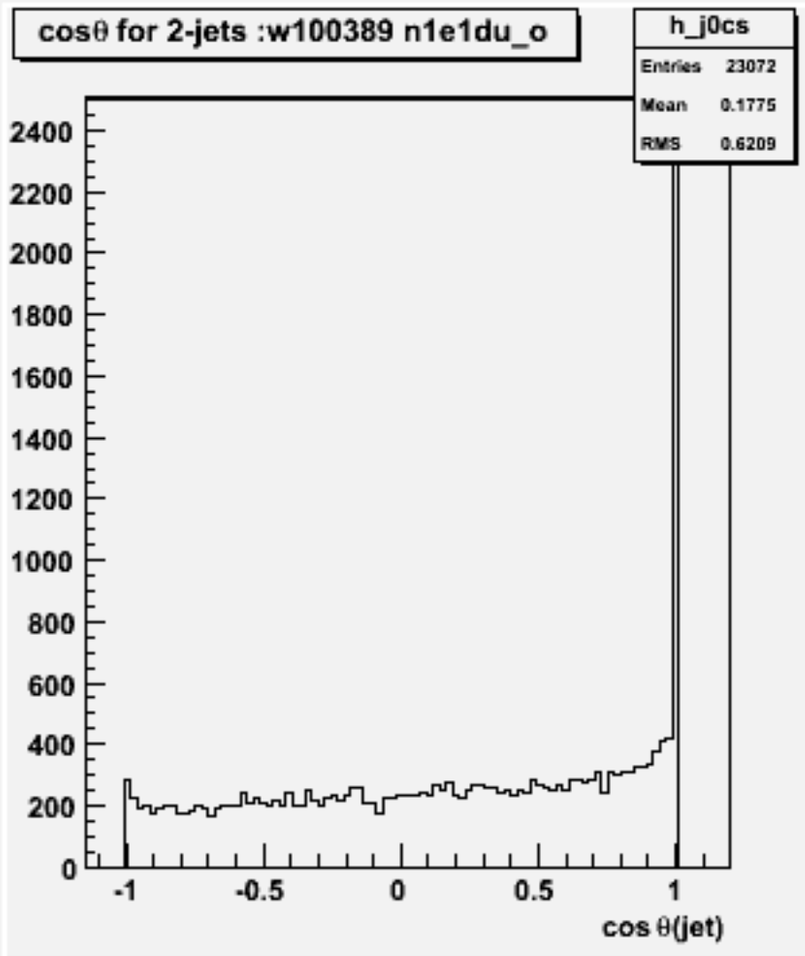

Thrust w100389 n1e1du_o
h_thrust
Entries 11536
Mean 0.8565
RMS 0.08688
Thrust

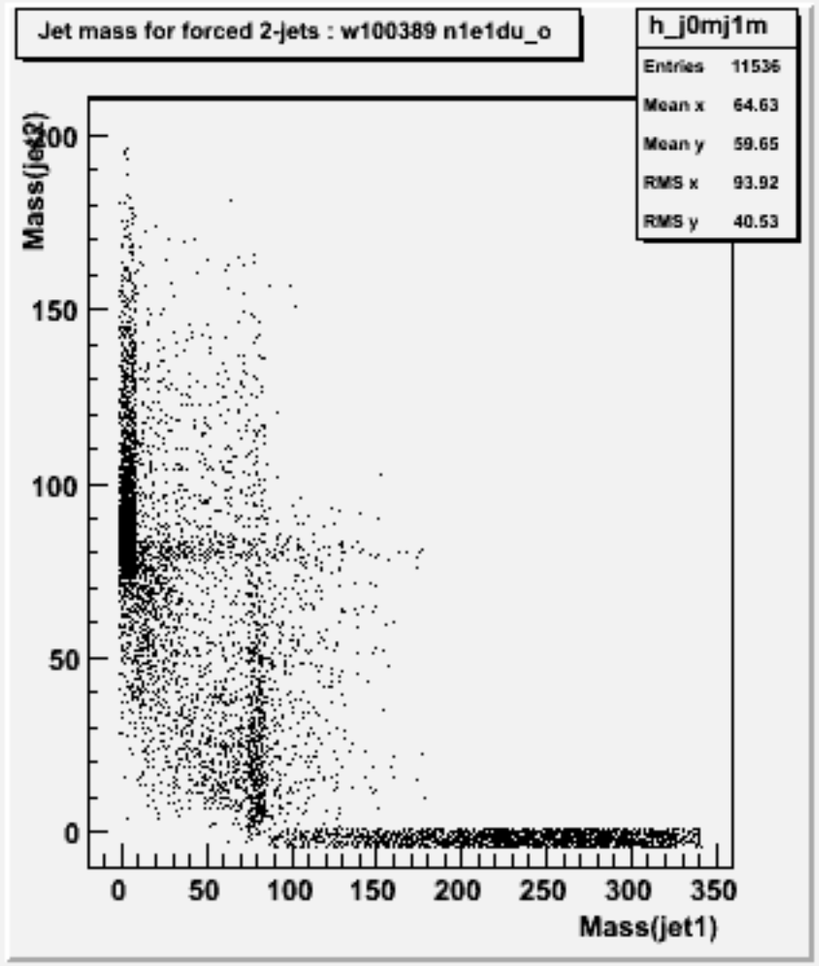

cosΘ(thrust) w100389 n1e1du_o
h_csth
Entries 11536
Mean -0.1016
RMS 0.589
Thrust

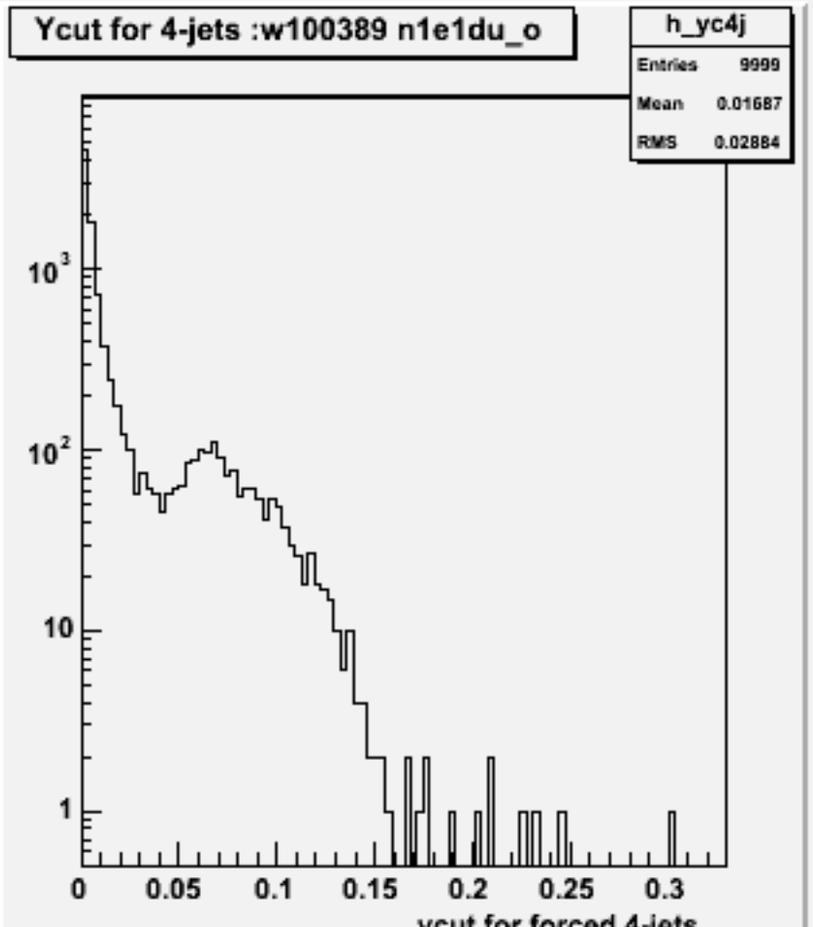

No. jets (ycut=0.001) : w100389 n1e1du_o
h_njets
Entries 11536
Mean 4.592
RMS 1.014
No. of jets

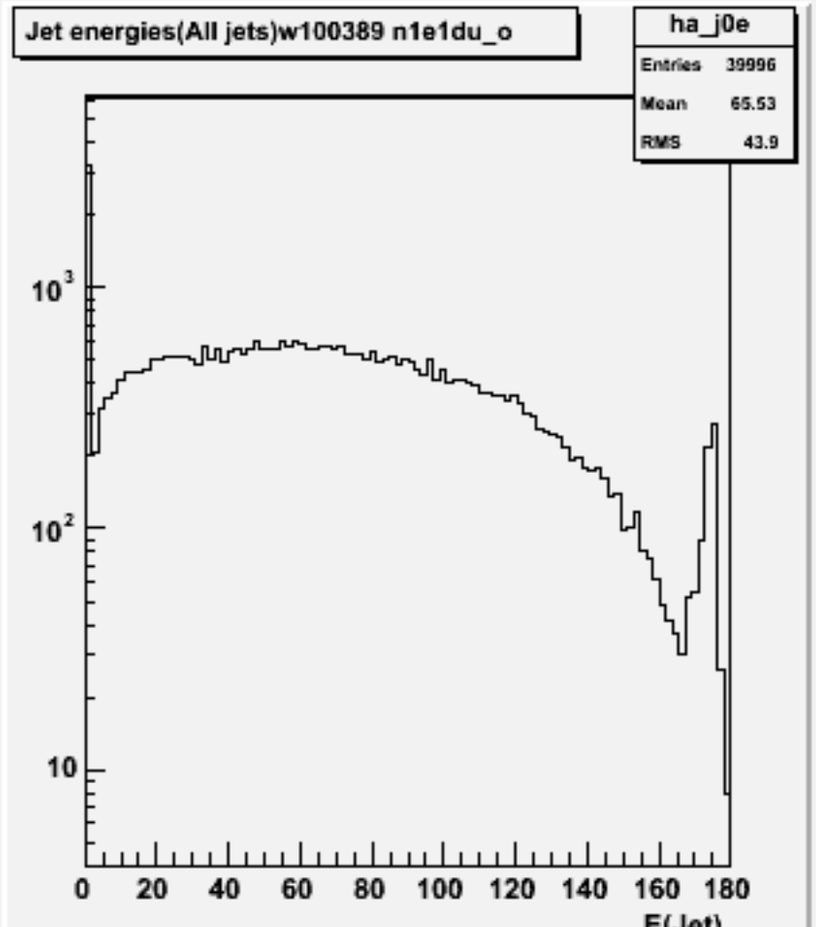

Ycut for 2-jets :w100389 n1e1du_o
h_yc2j
Entries 11536
Mean 0.1645
RMS 0.2253
ycut for forced 2-jets

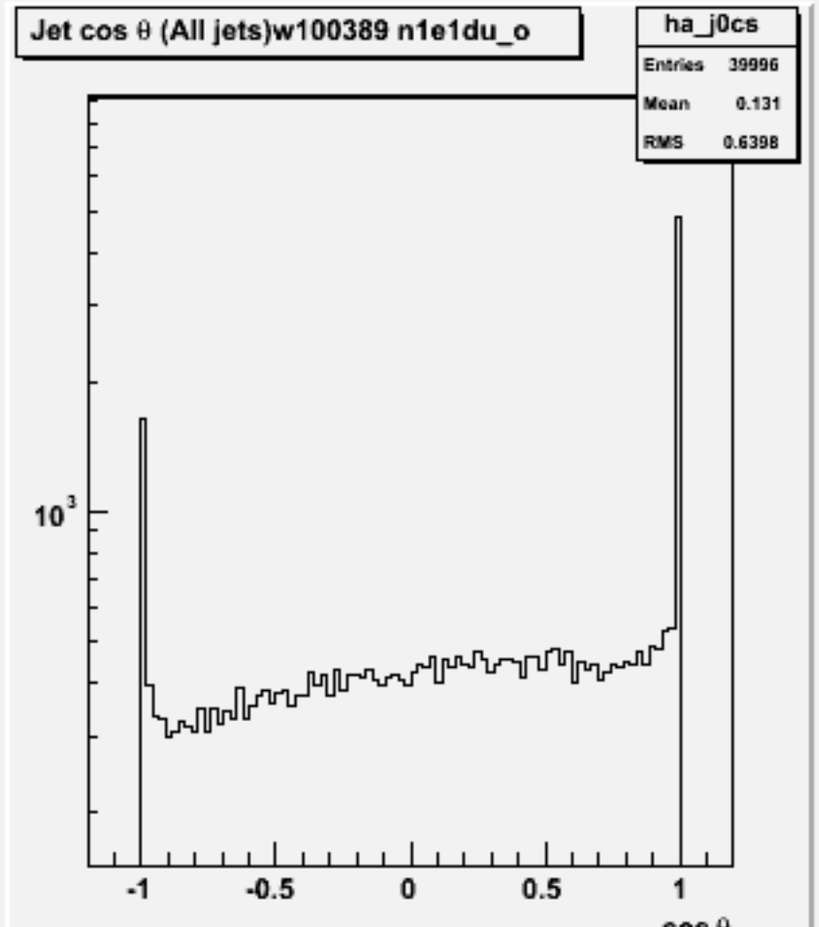

energy for 2-jets :w100389 n1e1du_o
h_j0e
Entries 23072
Mean 121.5
RMS 58.4
Jet energy (GeV)

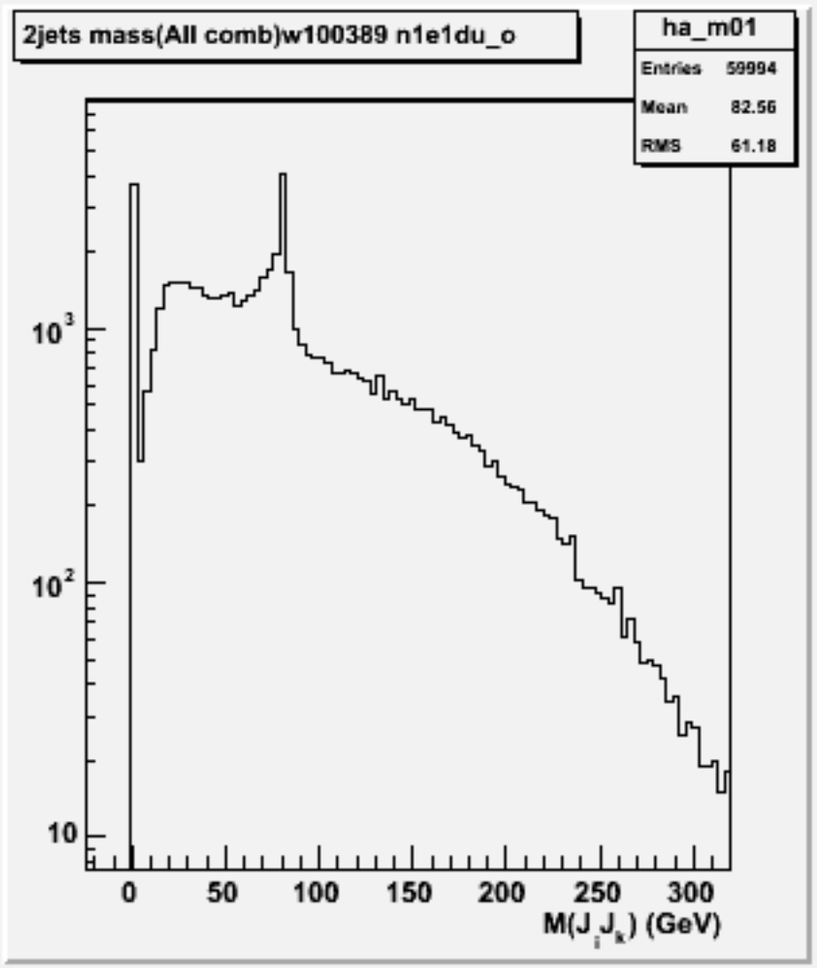

cosθ for 2-jets :w100389 n1e1du_o
h_j0cs
Entries 23072
Mean 0.1775
RMS 0.6209
cos θ(jet)

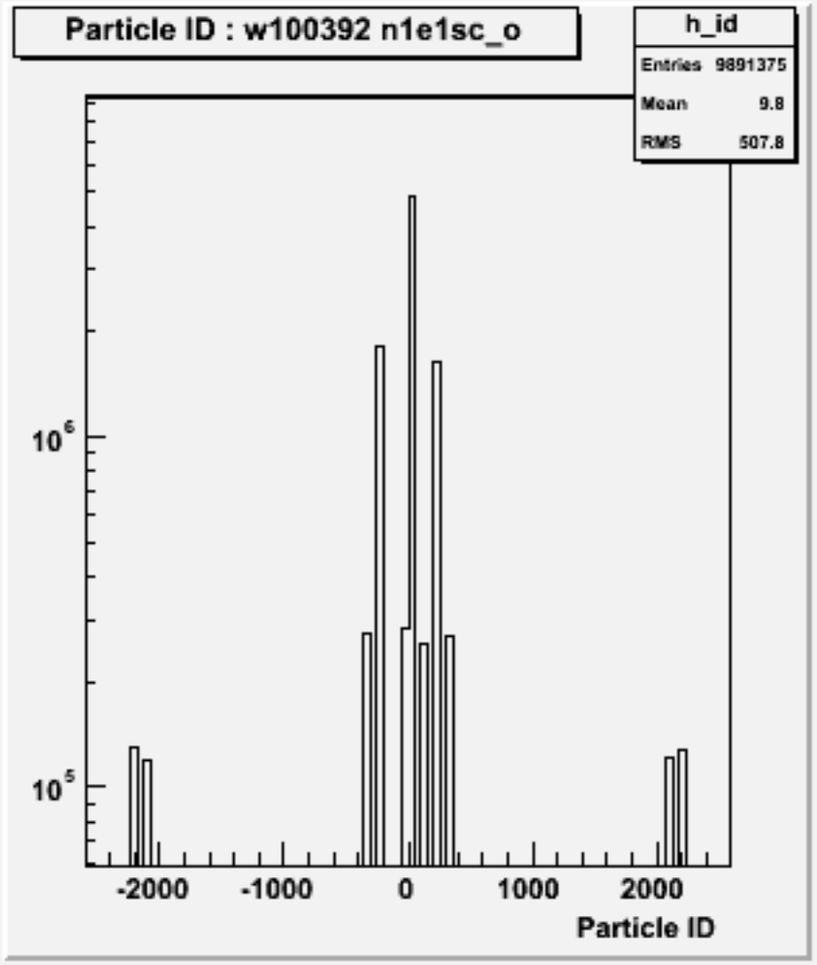

Jet mass for forced 2-jets : w100389 n1e1du_o
h_j0mj1m
Entries 11536
Mean x 64.63
Mean y 59.65
RMS x 93.92
RMS y 40.53
Mass(jet2)
Mass(jet1)

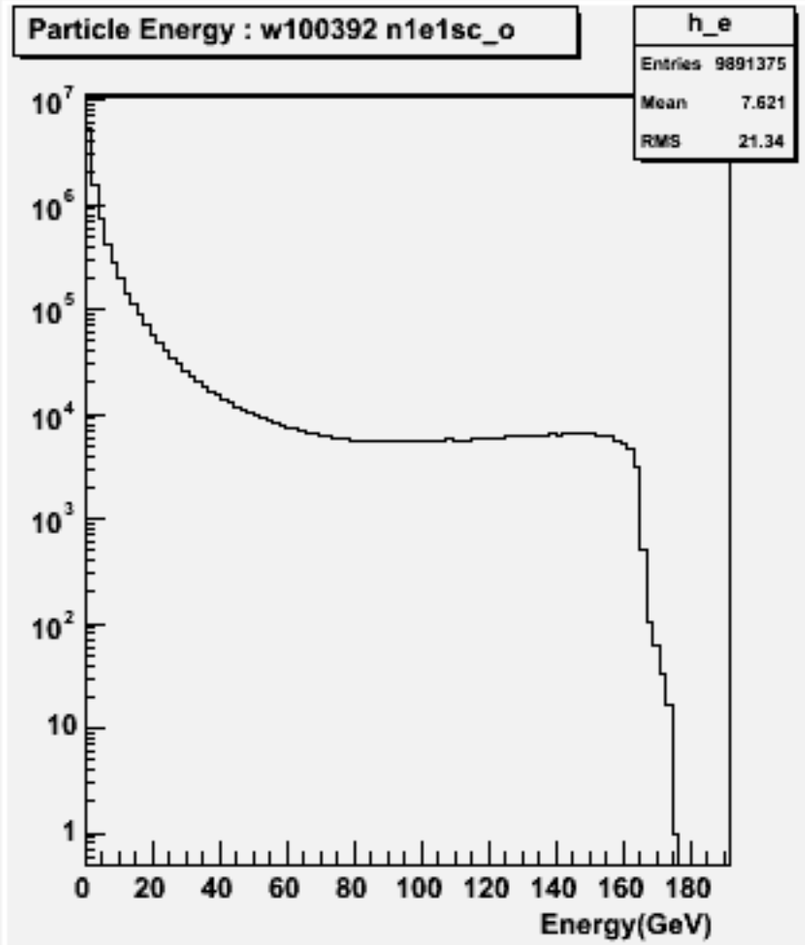

Ycut for 4-jets :w100389 n1e1du_o
h_yc4j
Entries 9999
Mean 0.01687
RMS 0.02884
ycut for forced 4-jets

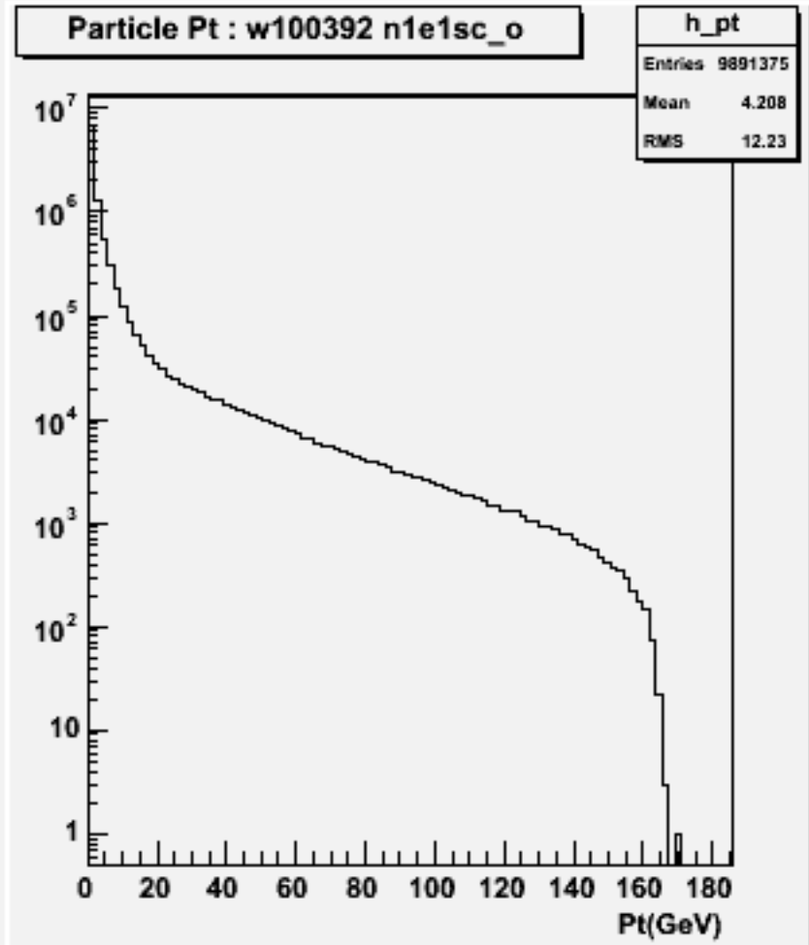

Jet energies(All jets)w100389 n1e1du_o
ha_j0e
Entries 39996
Mean 65.53
RMS 43.9
E(Jet)

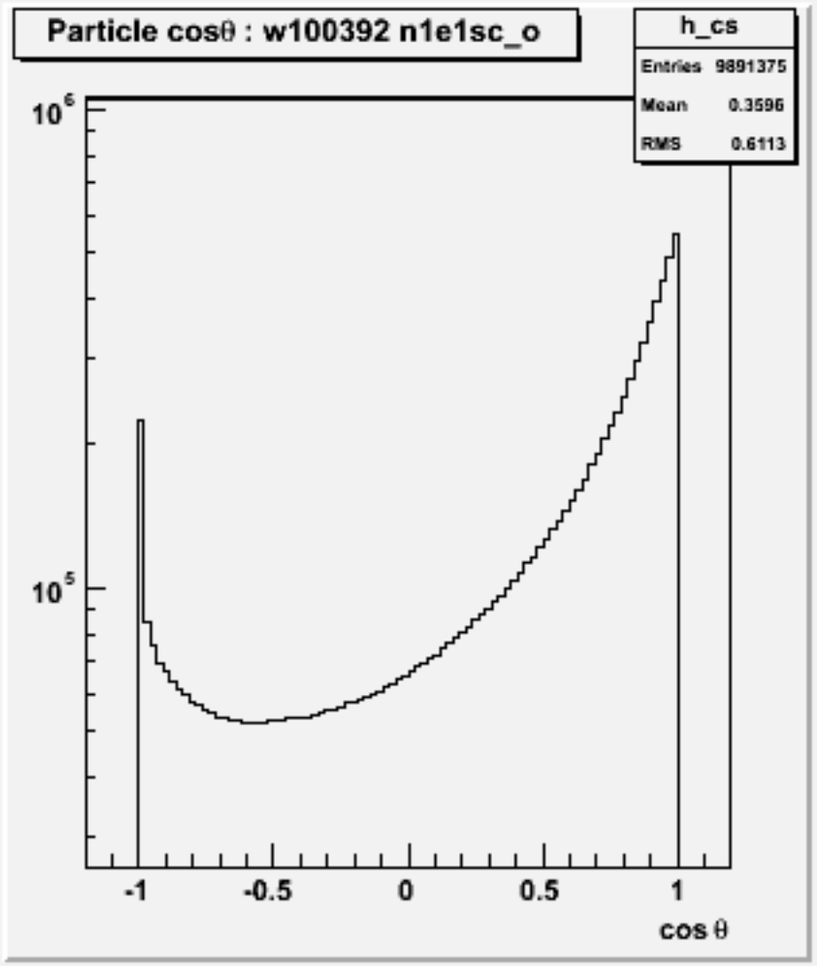

Jet cos θ (All jets)w100389 n1e1du_o
ha_j0cs
Entries 39996
Mean 0.131
RMS 0.6398
cos θ

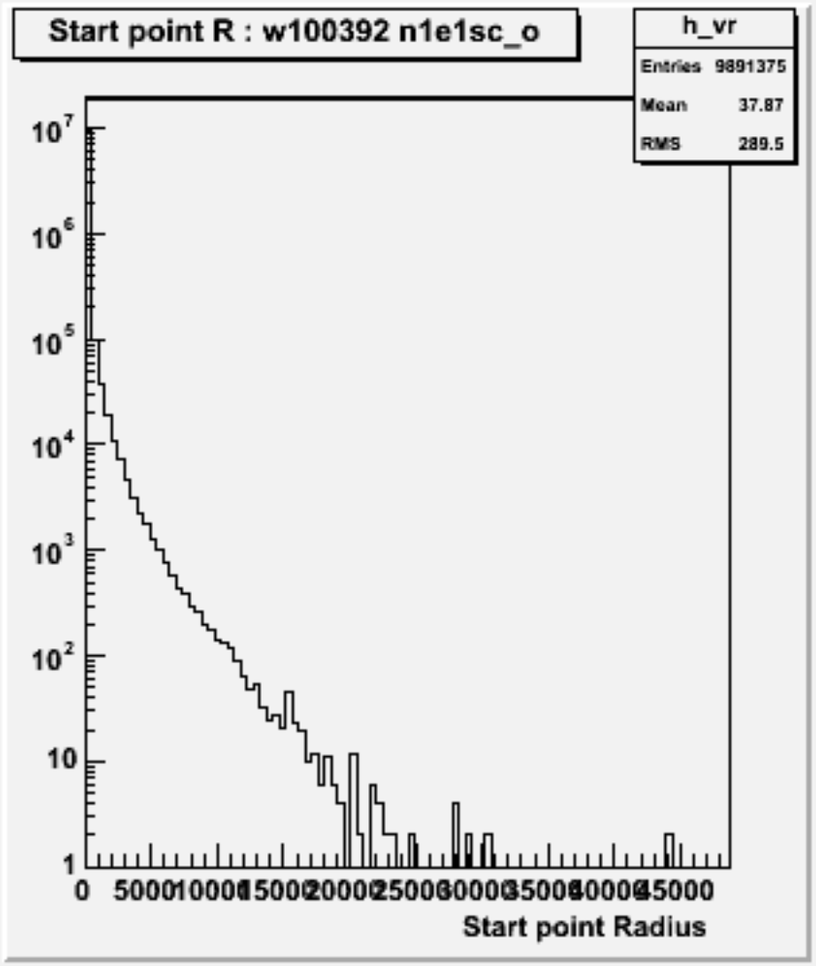

2jets mass(All comb)w100389 n1e1du_o
ha_m01
Entries 59994
Mean 82.56
RMS 61.18
M(J_iJ_k) (GeV)

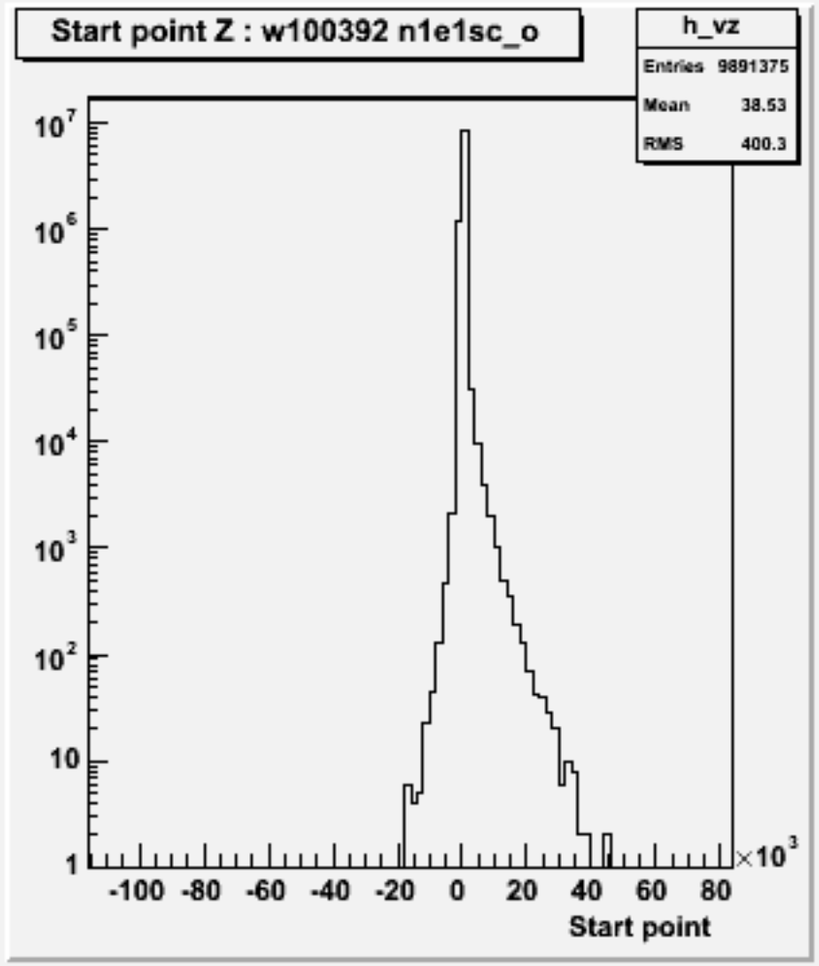

Particle ID : w100392 n1e1sc_o
h_id
Entries 9891375
Mean 9.8
RMS 507.8
Particle ID

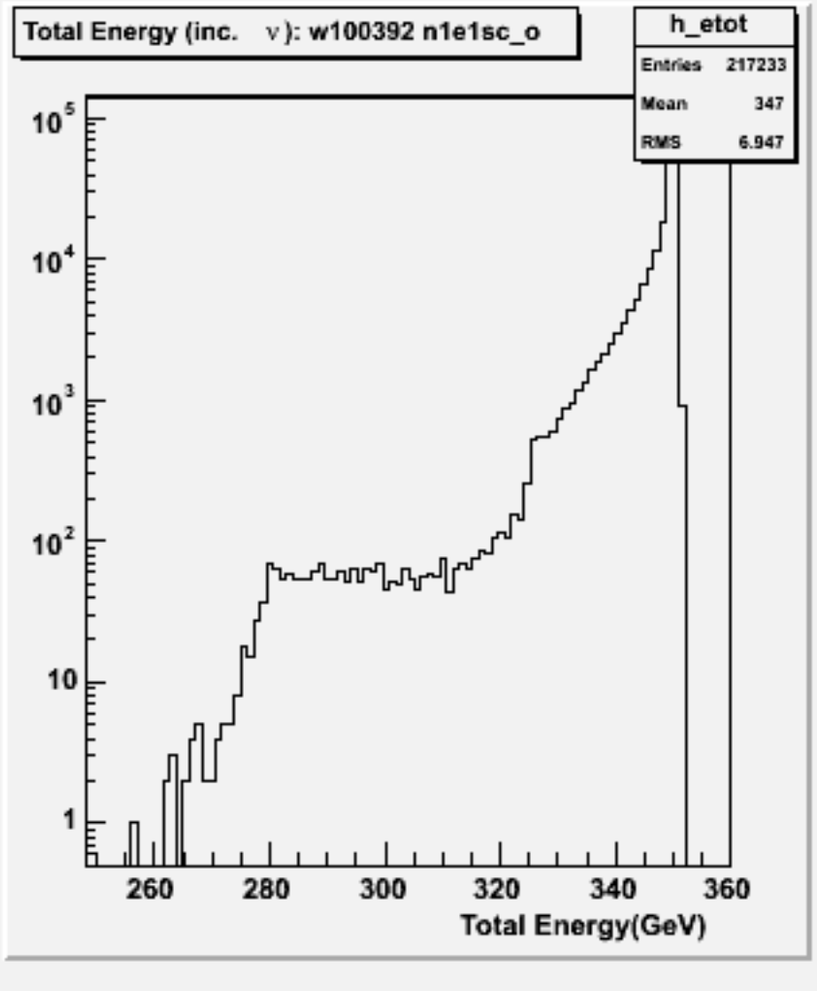

Particle Energy : w100392 n1e1sc_o
h_e
Entries 9891375
Mean 7.621
RMS 21.34
Energy(GeV)

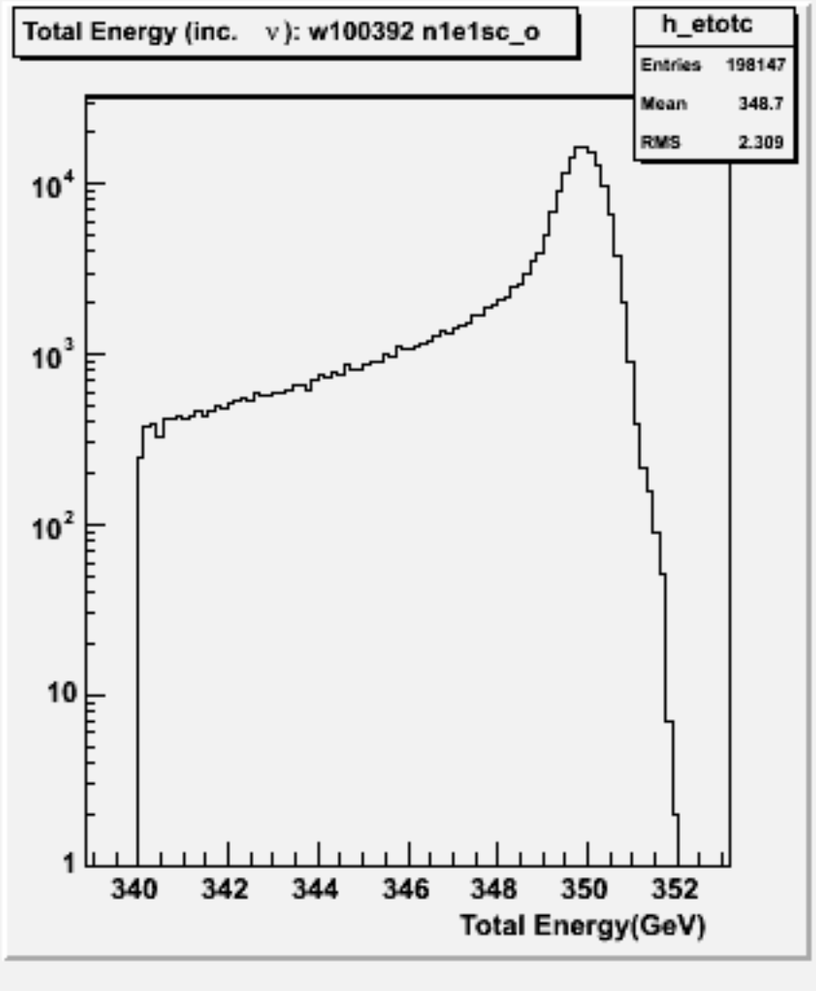

Particle Pt : w100392 n1e1sc_o
h_pt
Entries 9891375
Mean 4.208
RMS 12.23
Pt(GeV)

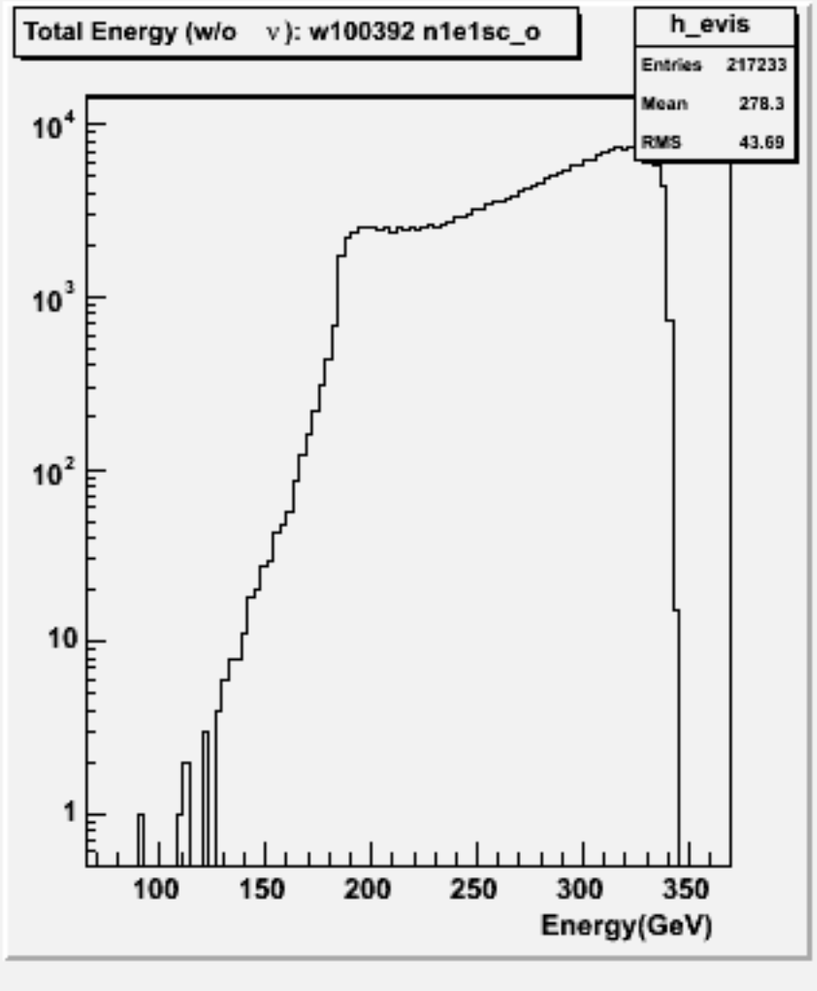

Particle cosθ : w100392 n1e1sc_o
h_cs
Entries 9891375
Mean 0.3596
RMS 0.6113
cos θ

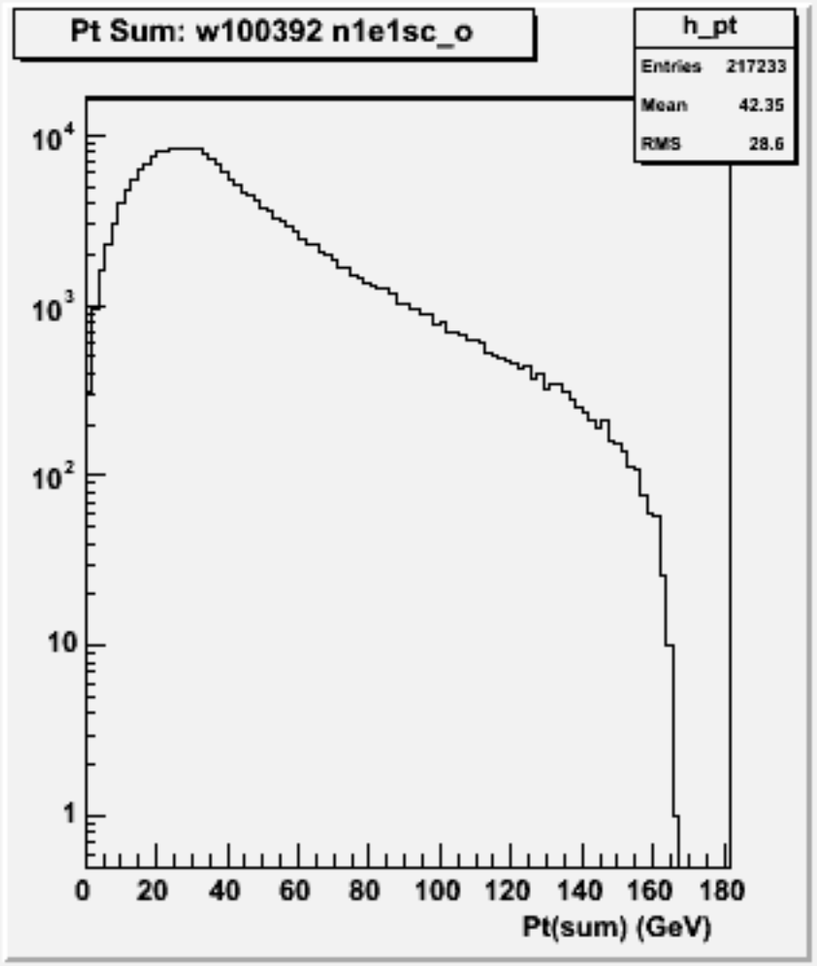

Start point R : w100392 n1e1sc_o
h_vr
Entries 9891375
Mean 37.87
RMS 289.5
Start point Radius

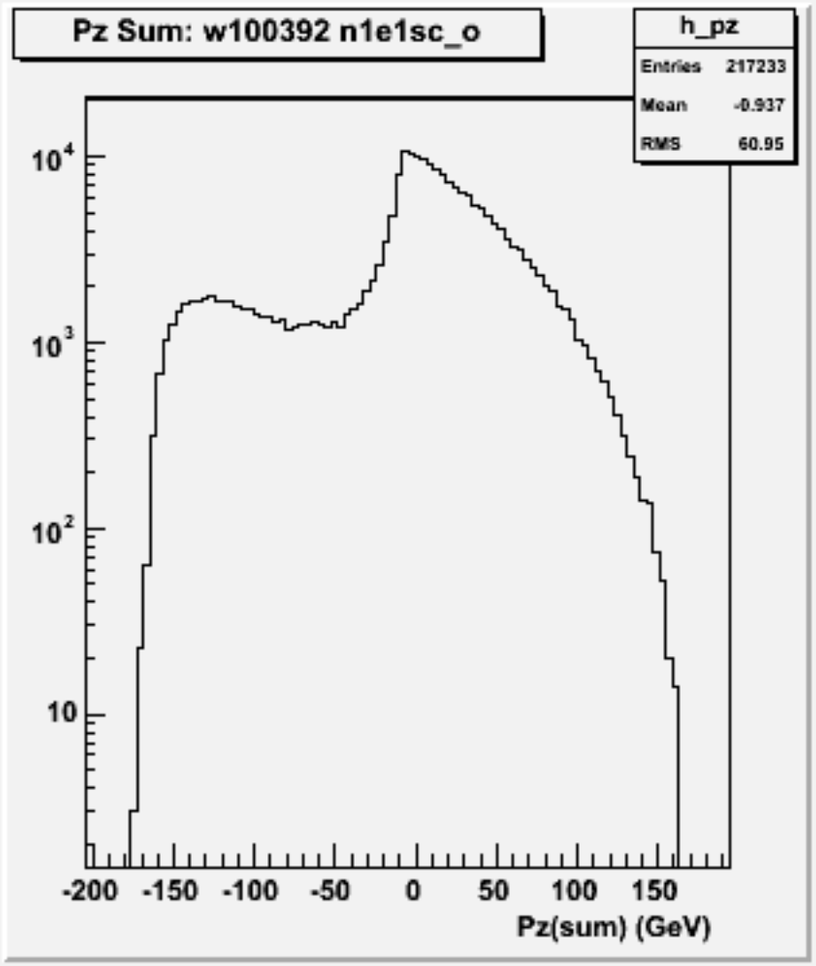

Start point Z : w100392 n1e1sc_o
h_vz
Entries 9891375
Mean 38.53
RMS 400.3
Start point

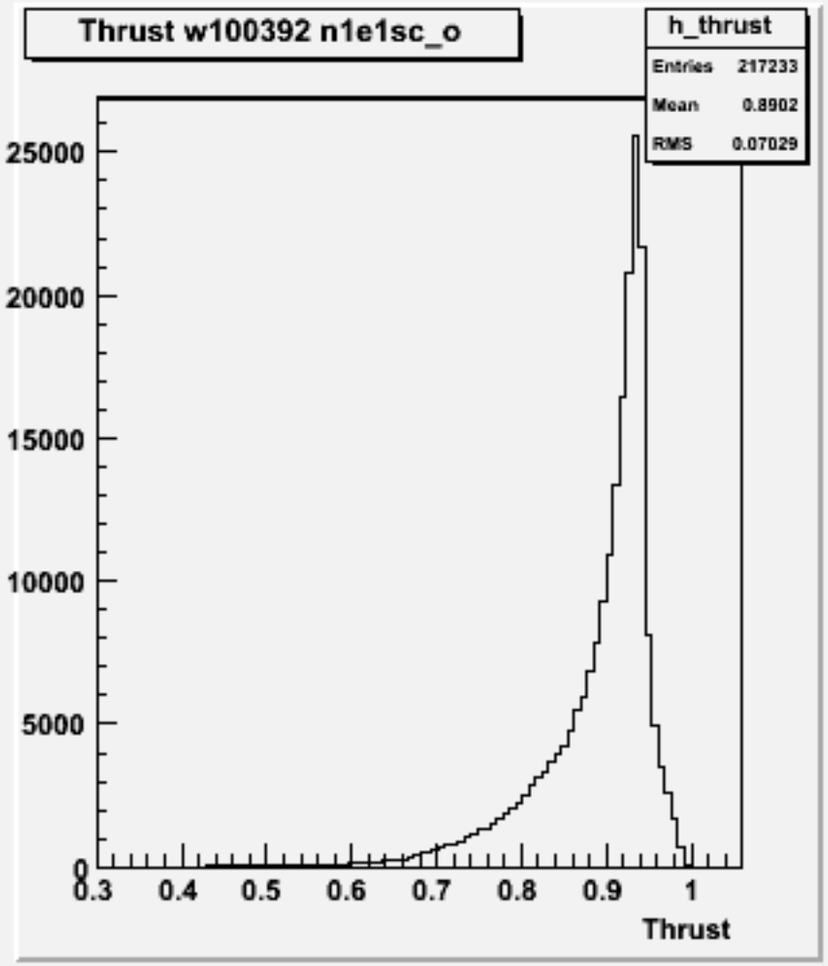

Total Energy (inc. ν): w100392 n1e1sc_o
h_etot
Entries 217233
Mean 347
RMS 6.947
Total Energy(GeV)

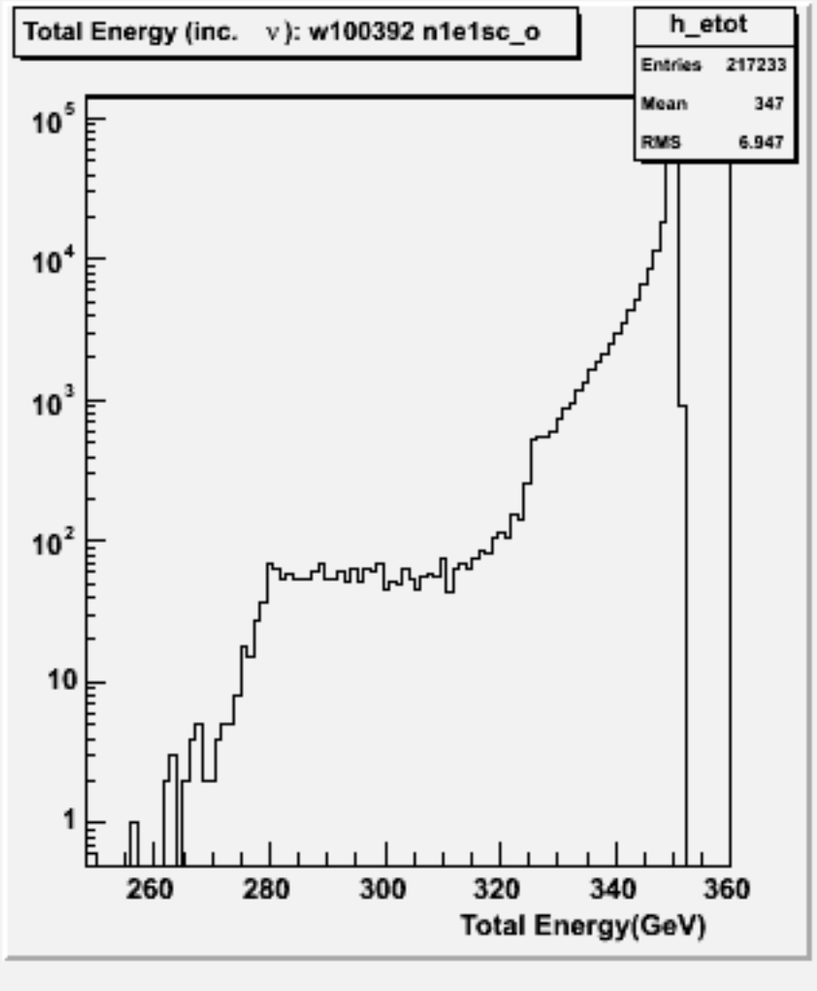

Total Energy (inc. ν): w100392 n1e1sc_o
h_etotc
Entries 198147
Mean 348.7
RMS 2.309
Total Energy(GeV)

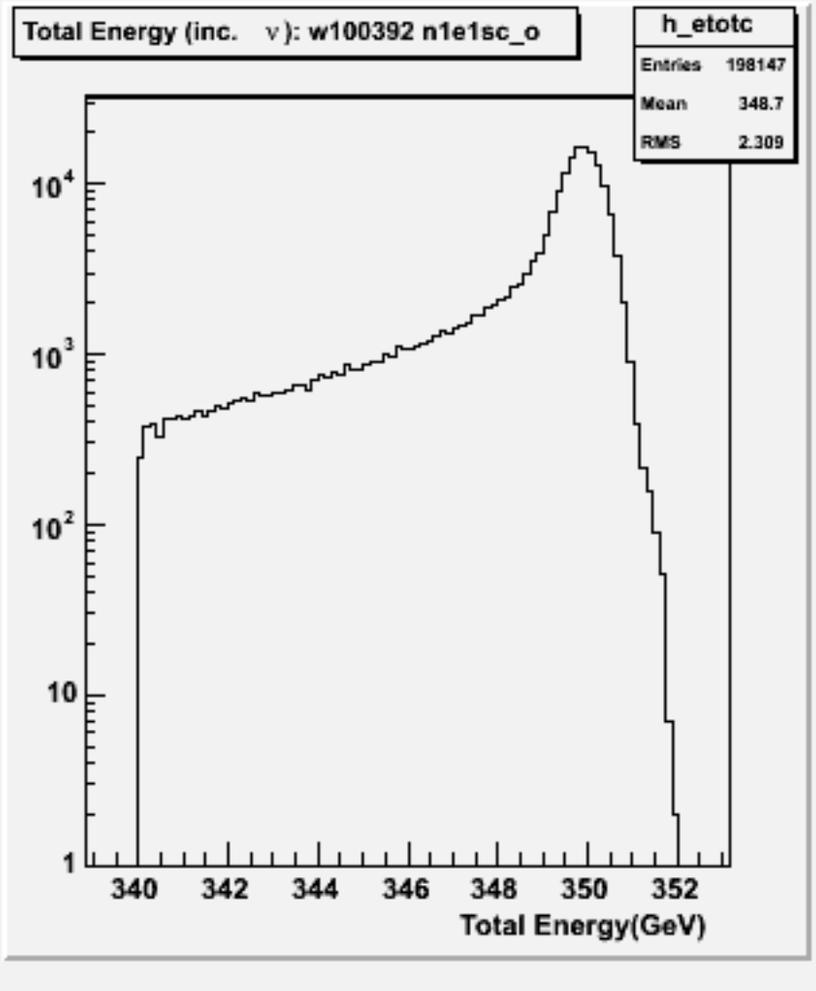

Total Energy (w/o ν): w100392 n1e1sc_o
h_evis
Entries 217233
Mean 278.3
RMS 43.69
Energy(GeV)

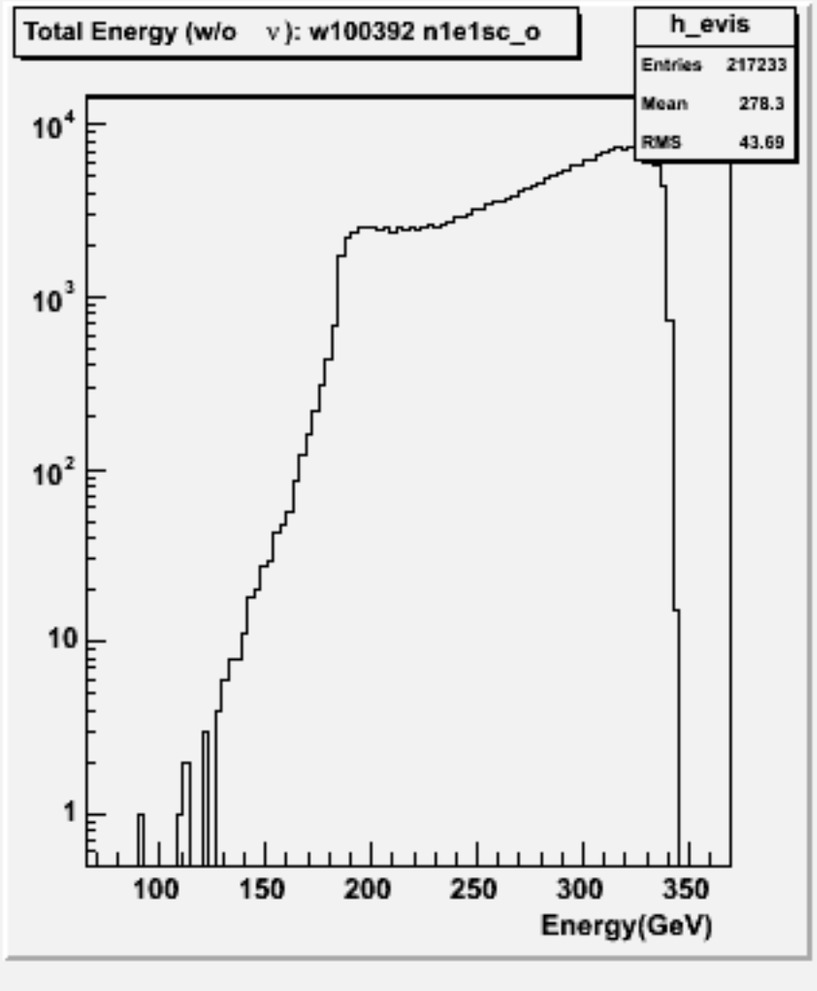

Pt Sum: w100392 n1e1sc_o
h_pt
Entries 217233
Mean 42.35
RMS 28.6
Pt(sum) (GeV)

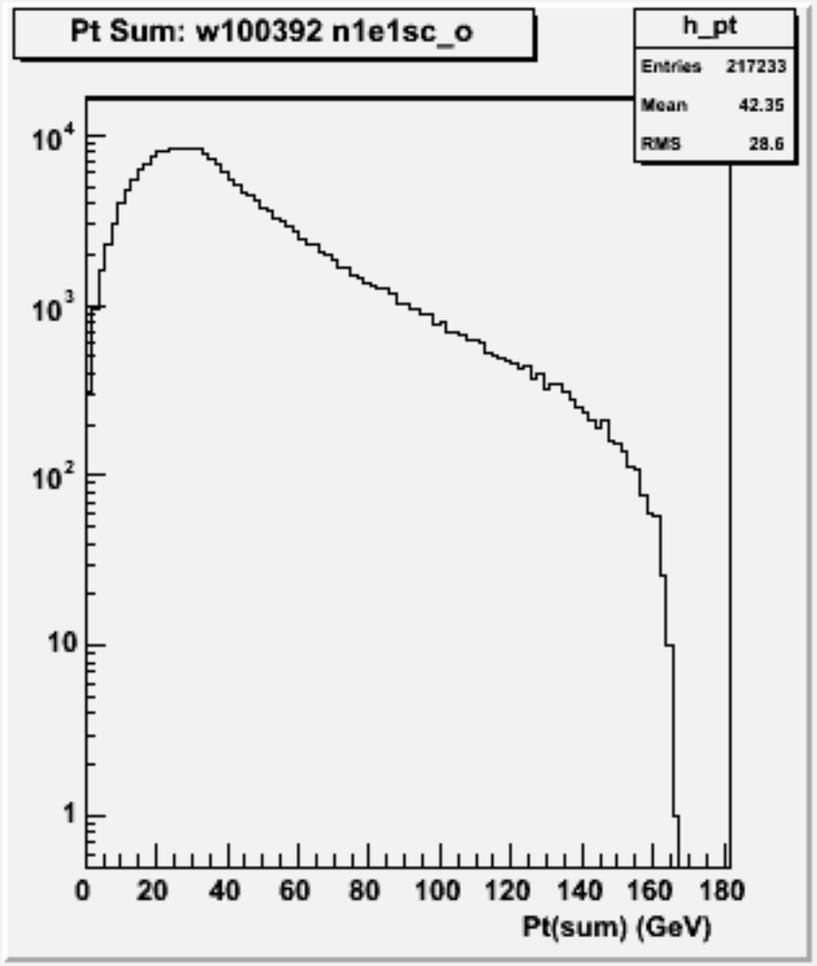

Pz Sum: w100392 n1e1sc_o
h_pz
Entries 217233
Mean -0.937
RMS 60.95
Pz(sum) (GeV)

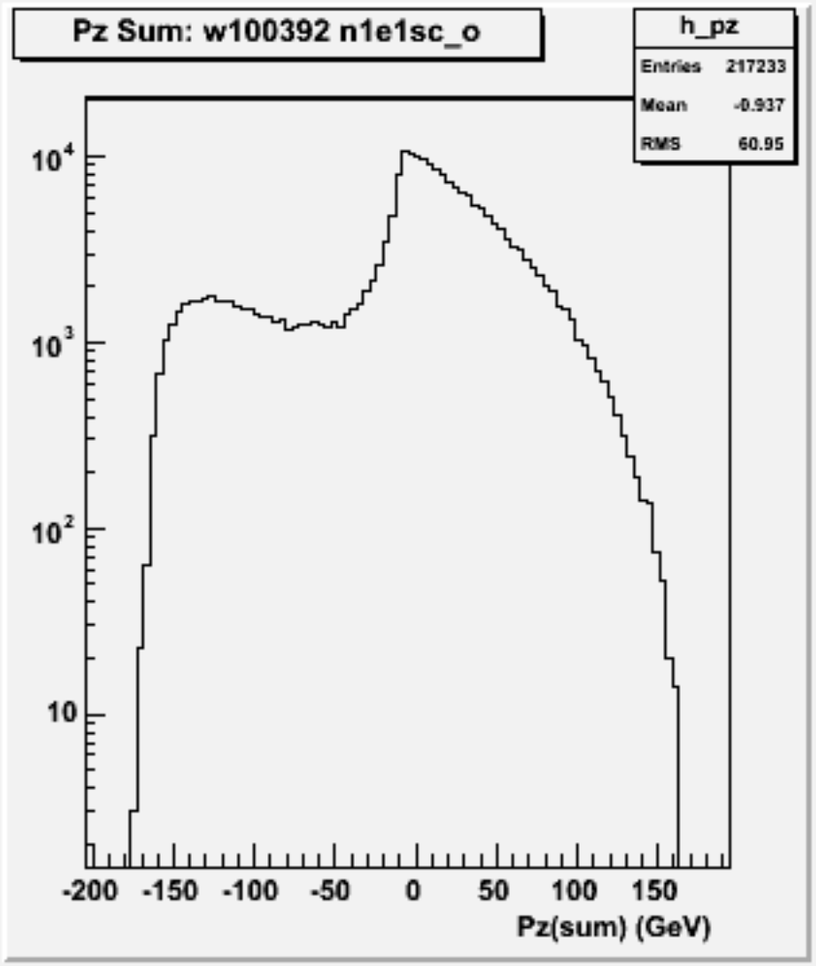

Thrust w100392 n1e1sc_o
h_thrust
Entries 217233
Mean 0.8902
RMS 0.07029
Thrust

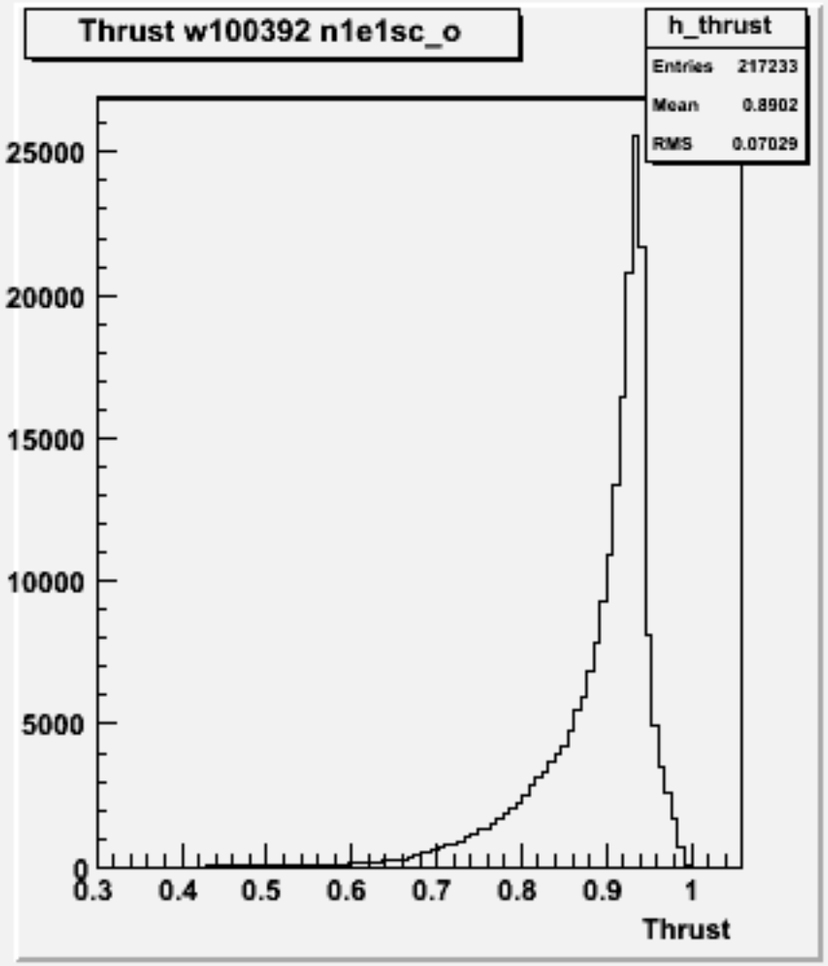

Total Energy (inc. ν): w100392 n1e1sc_o
h_etot
Entries 217233
Mean 347
RMS 6.947
Total Energy(GeV)

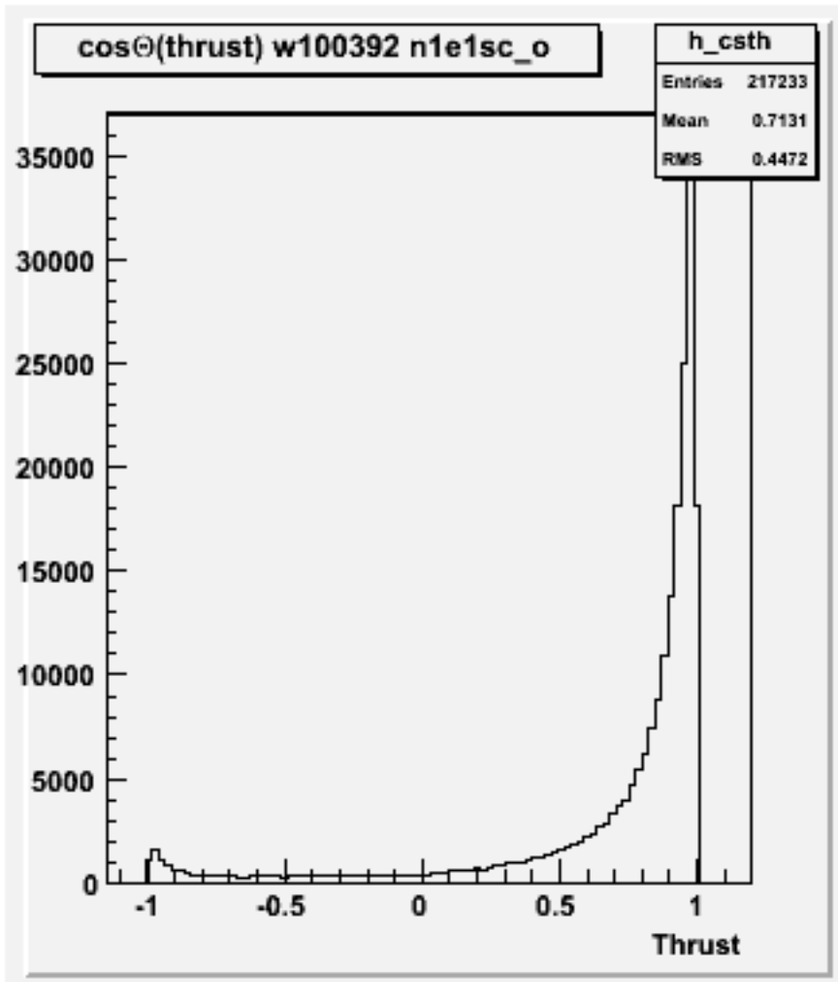

Total Energy (inc. ν): w100392 n1e1sc_o
h_etotc
Entries 198147
Mean 348.7
RMS 2.309
Total Energy(GeV)

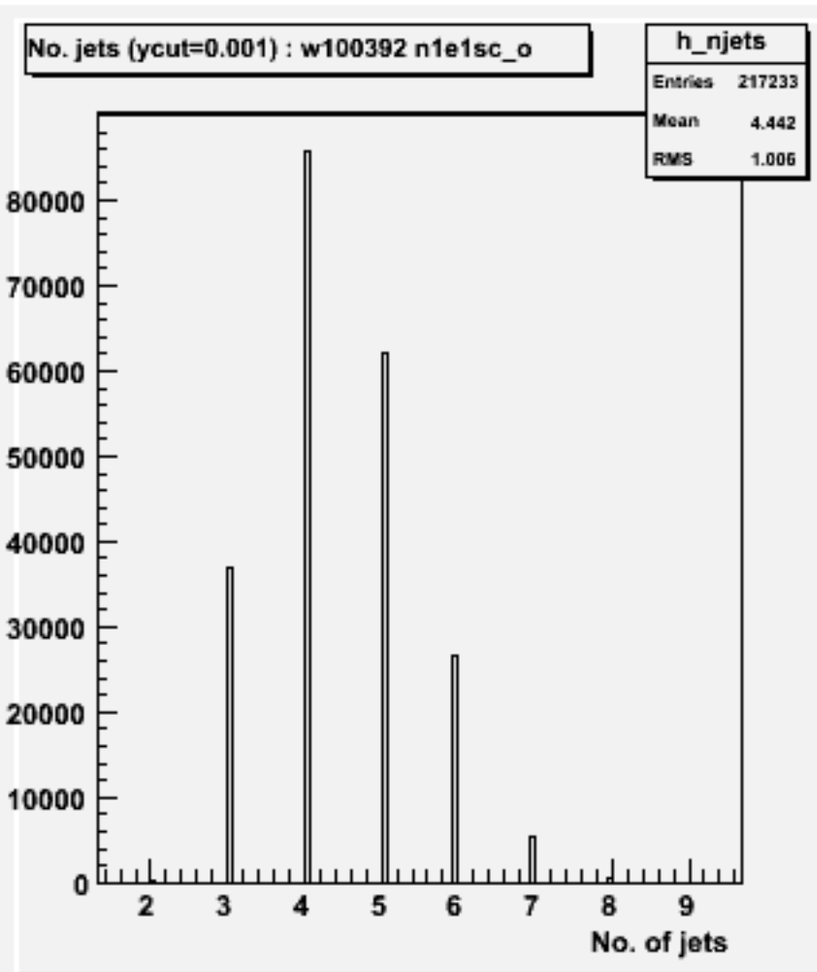

Total Energy (w/o ν): w100392 n1e1sc_o
h_evis
Entries 217233
Mean 278.3
RMS 43.69
Energy(GeV)

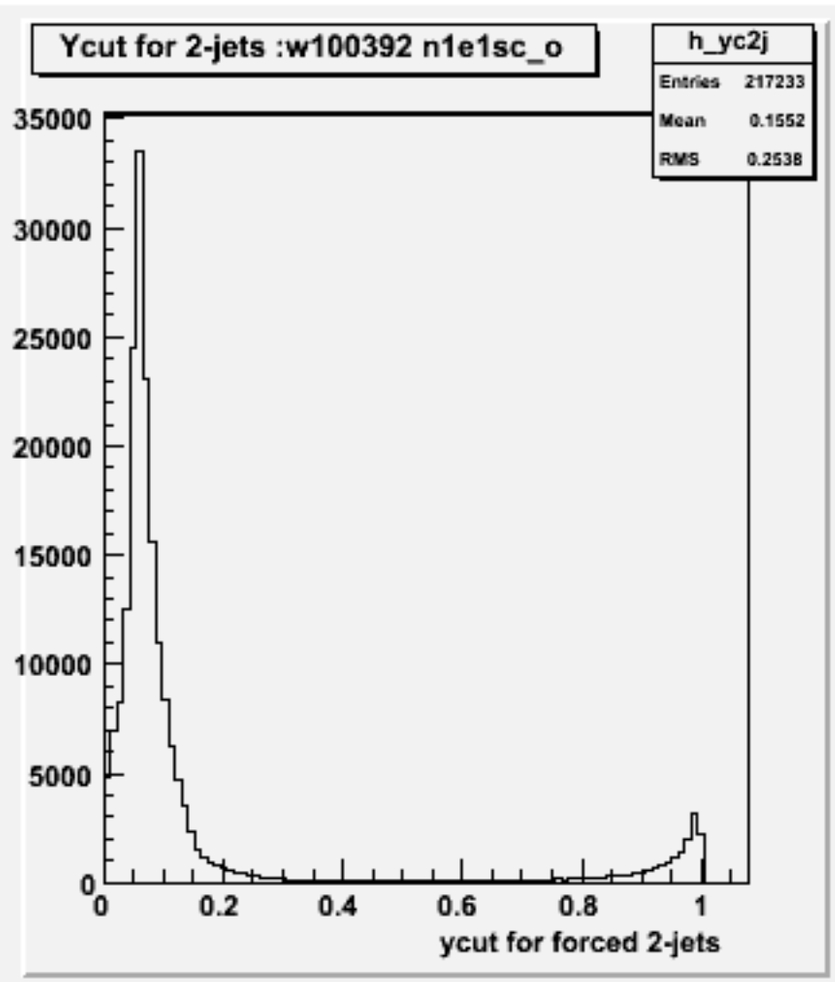

Pt Sum: w100392 n1e1sc_o
h_pt
Entries 217233
Mean 42.35
RMS 28.6
Pt(sum) (GeV)

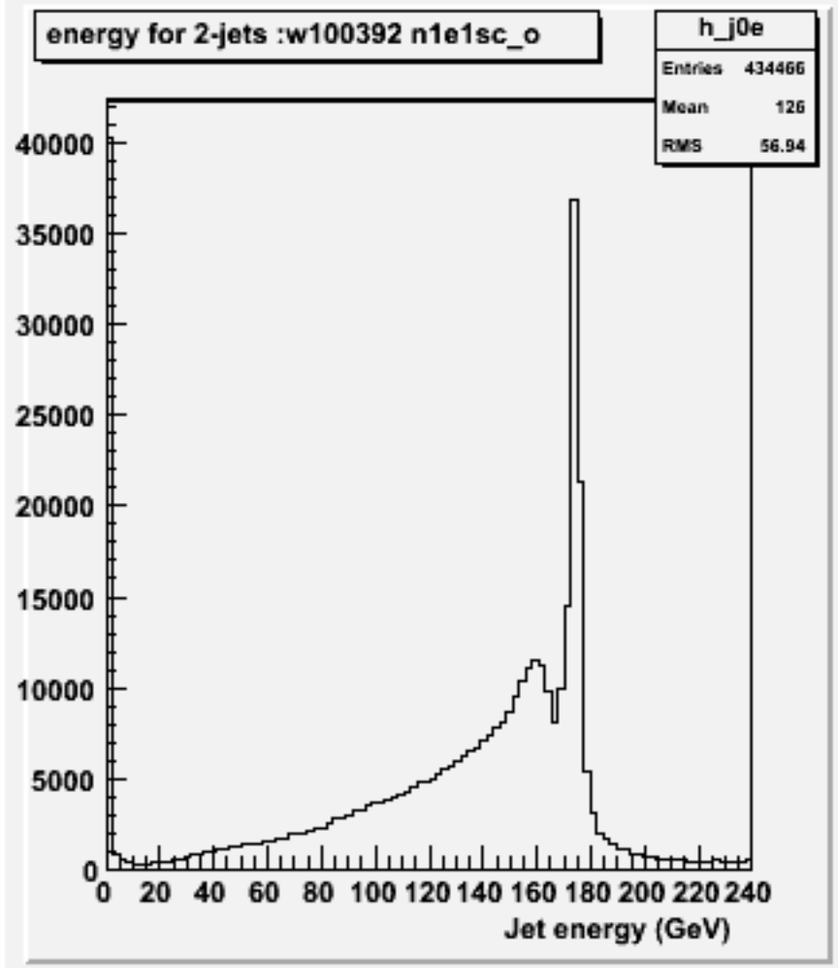

Pz Sum: w100392 n1e1sc_o
h_pz
Entries 217233
Mean -0.937
RMS 60.95
Pz(sum) (GeV)

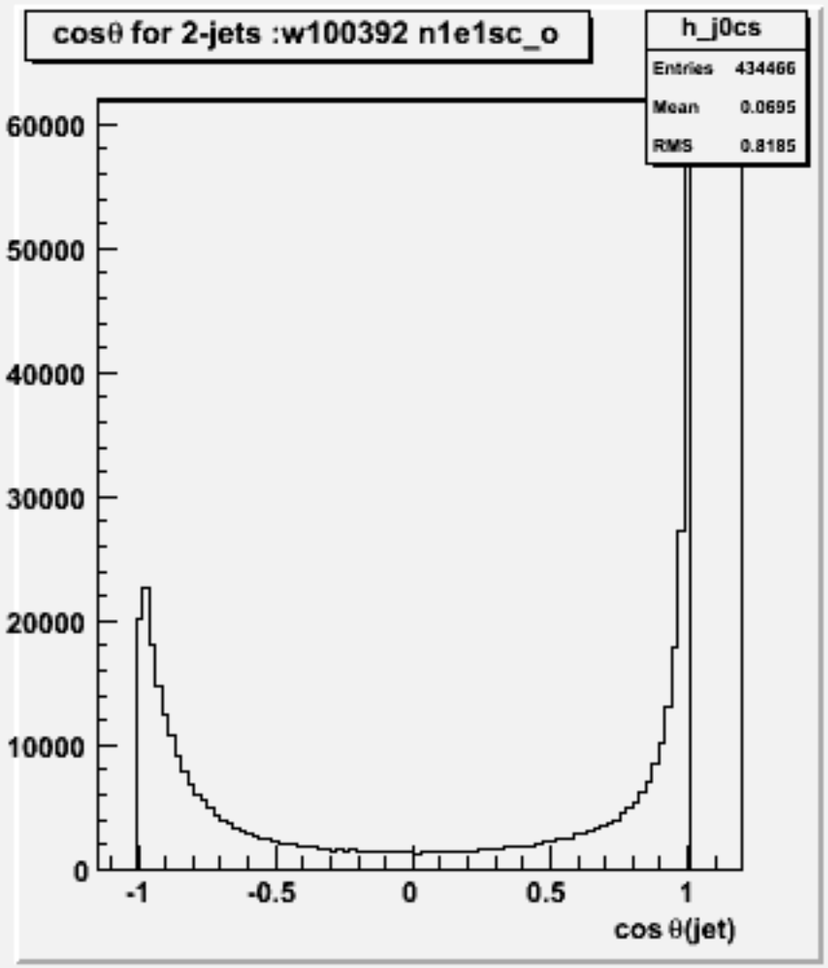

Thrust w100392 n1e1sc_o
h_thrust
Entries 217233
Mean 0.8902
RMS 0.07029
Thrust

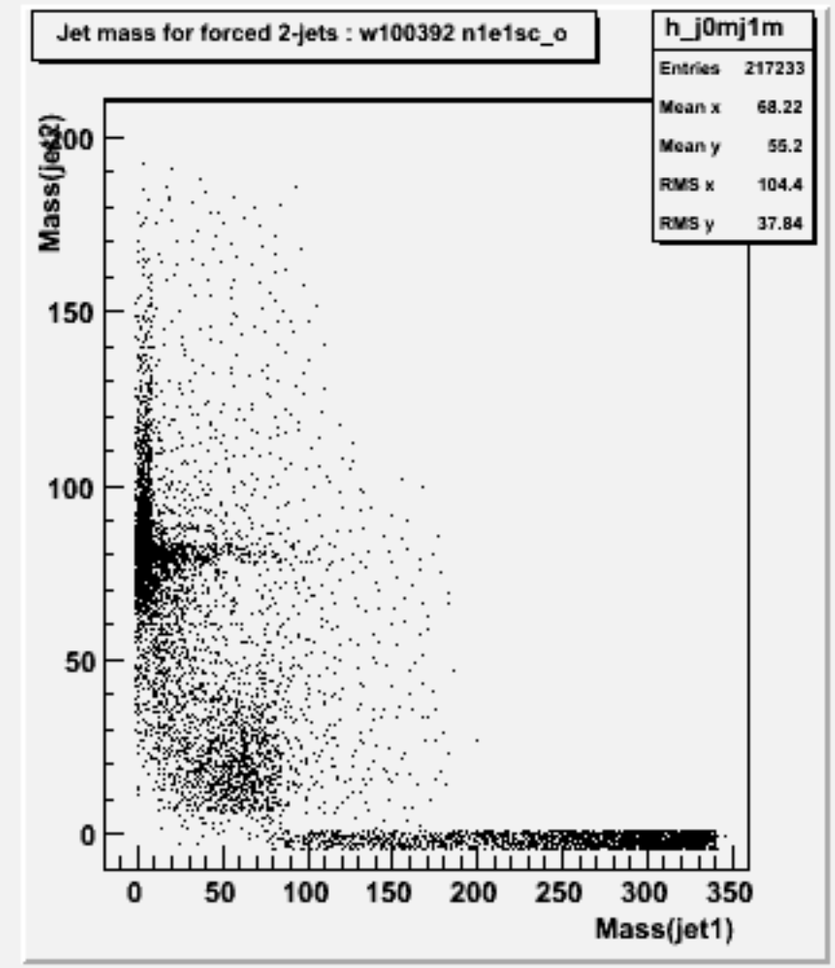

cosΘ(thrust) w100392 n1e1sc_o
h_csth
Entries 217233
Mean 0.7131
RMS 0.4472
Thrust

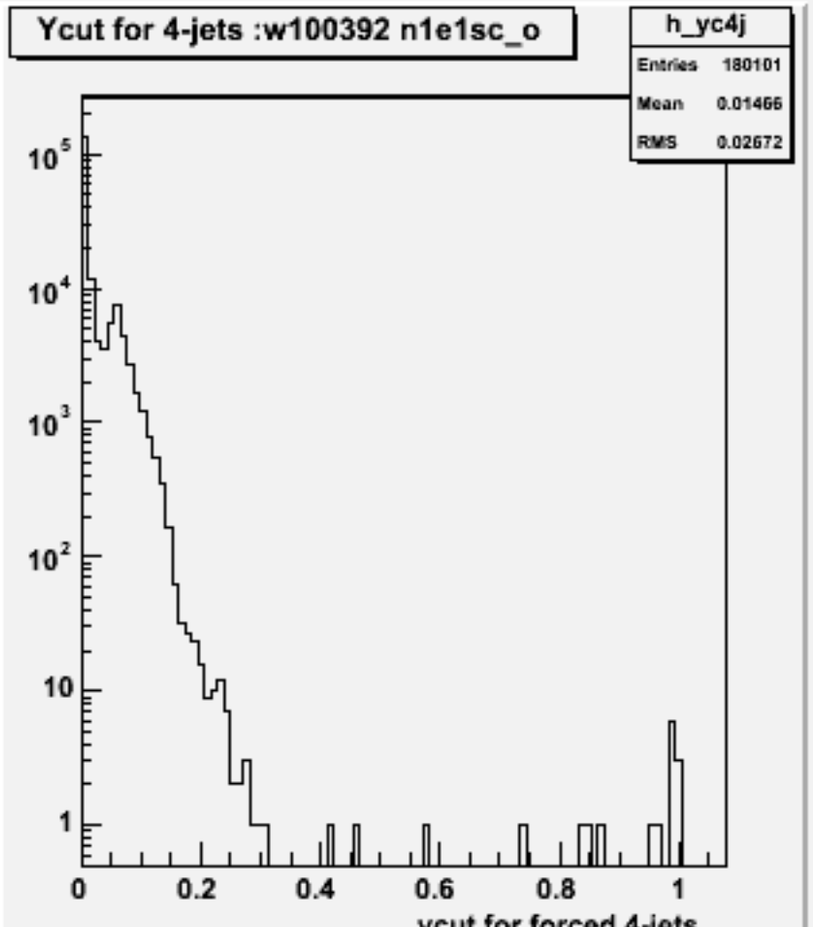

No. jets (ycut=0.001) : w100392 n1e1sc_o
h_njets
Entries 217233
Mean 4.442
RMS 1.006
No. of jets

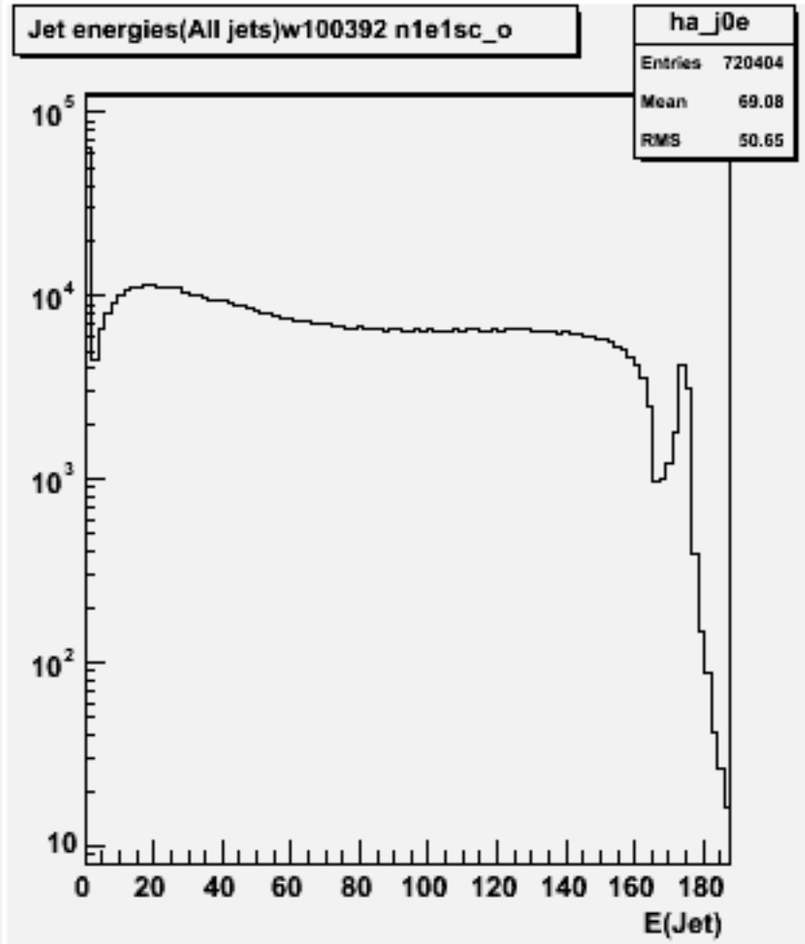

Ycut for 2-jets :w100392 n1e1sc_o
h_yc2j
Entries 217233
Mean 0.1552
RMS 0.2538
ycut for forced 2-jets

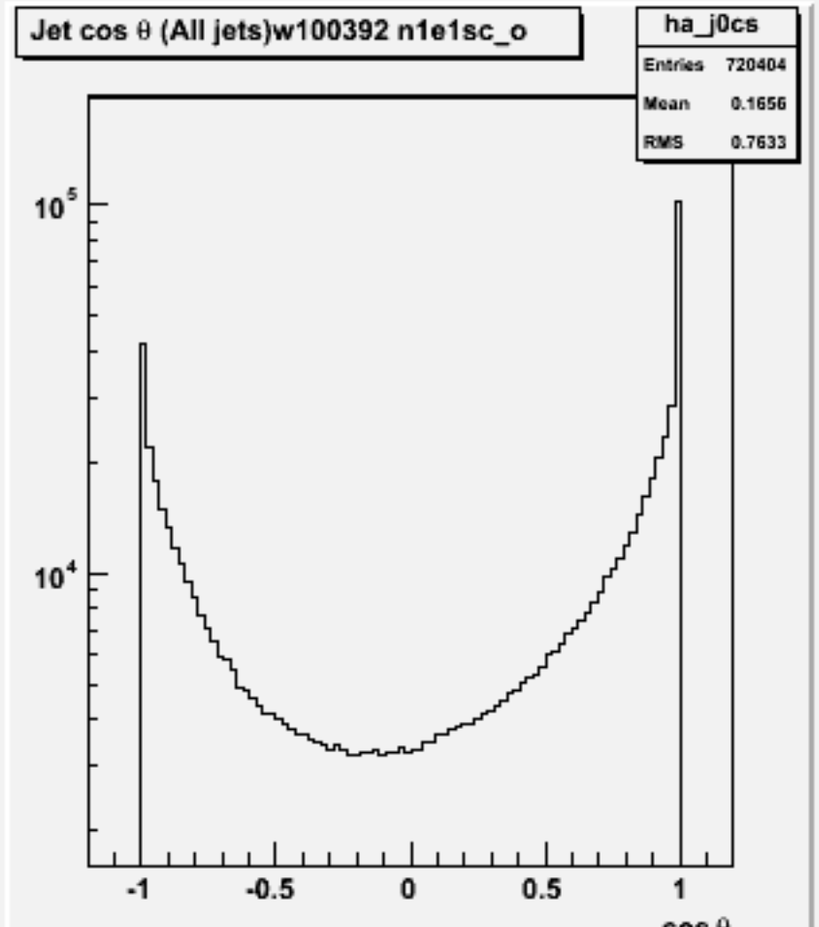

energy for 2-jets :w100392 n1e1sc_o
h_j0e
Entries 434466
Mean 126
RMS 56.94
Jet energy (GeV)

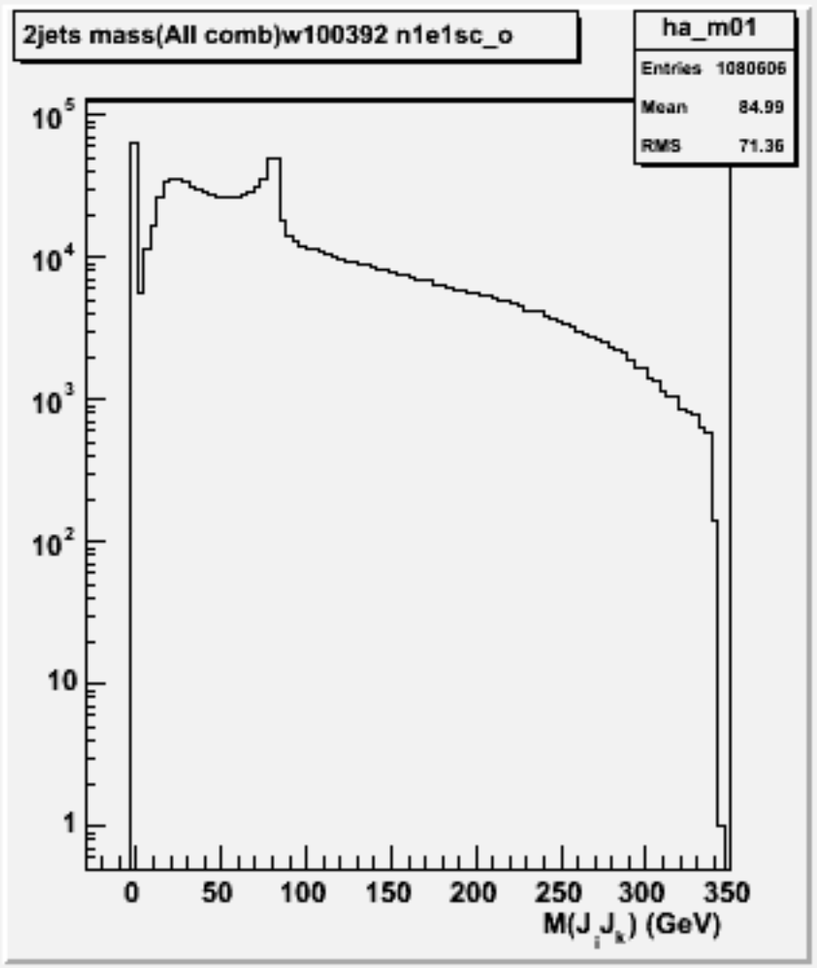

cosθ for 2-jets :w100392 n1e1sc_o
h_j0cs
Entries 434466
Mean 0.0695
RMS 0.8185
cos θ(jet)

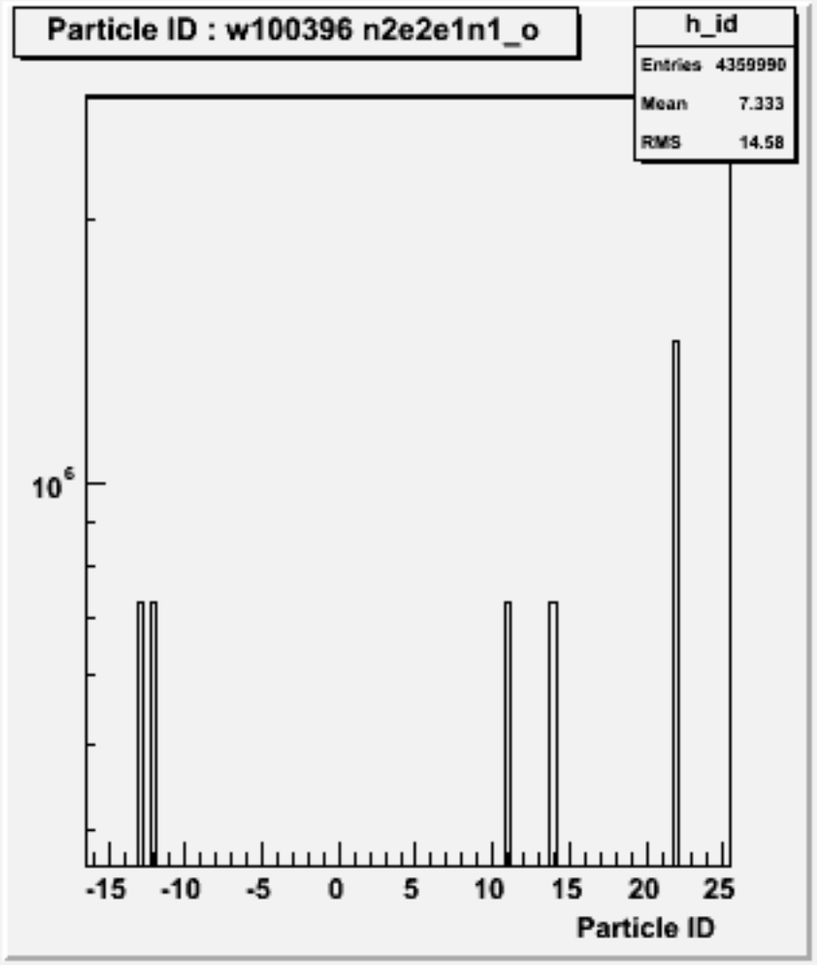

Jet mass for forced 2-jets : w100392 n1e1sc_o
h_j0mj1m
Entries 217233
Mean x 68.22
Mean y 55.2
RMS x 104.4
RMS y 37.84
Mass(jet2)
Mass(jet1)

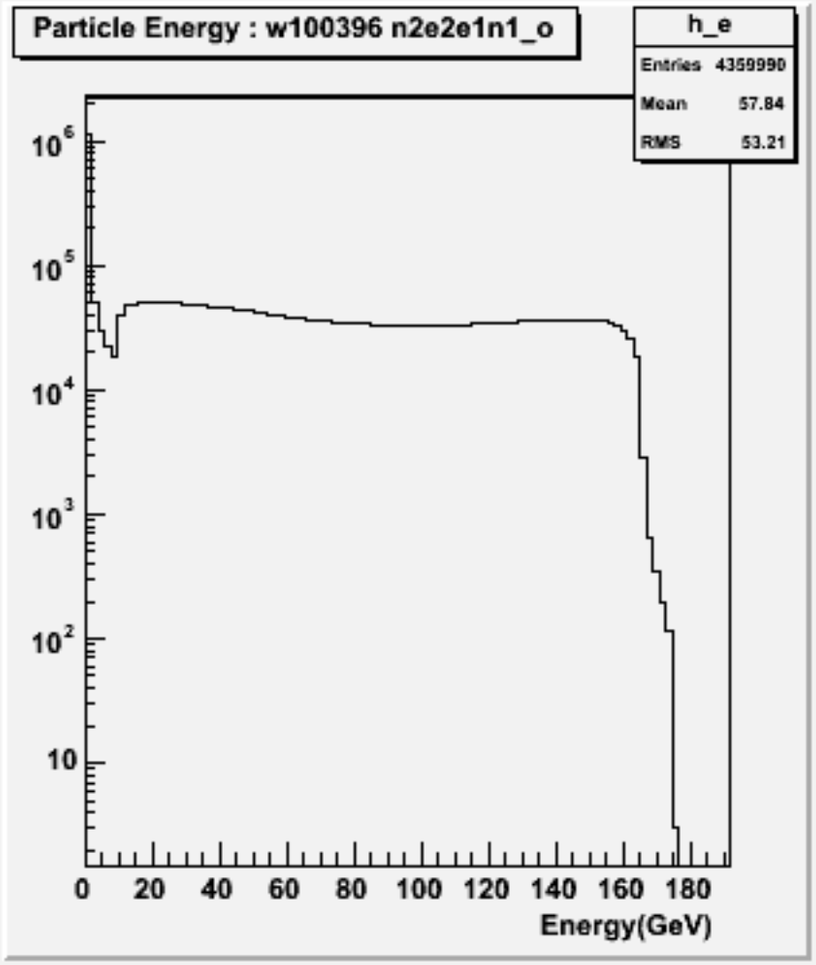

Ycut for 4-jets :w100392 n1e1sc_o
h_yc4j
Entries 180101
Mean 0.01466
RMS 0.02672
ycut for forced 4-jets

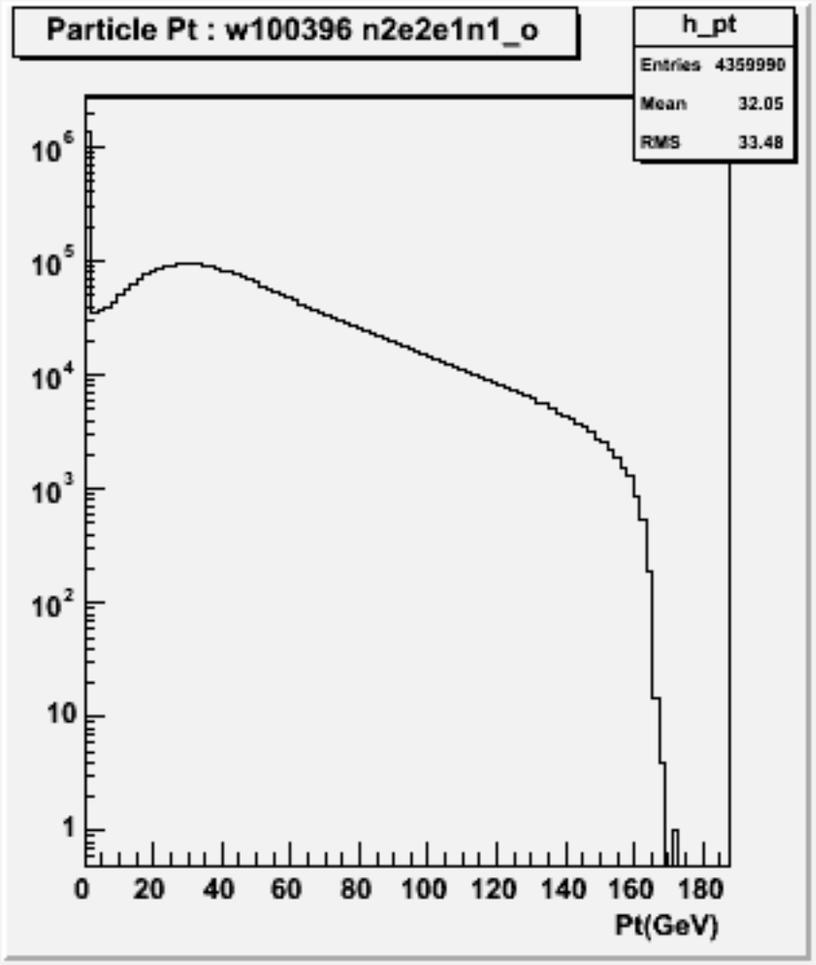

Jet energies(All jets)w100392 n1e1sc_o
ha_j0e
Entries 720404
Mean 69.08
RMS 50.65
E(Jet)

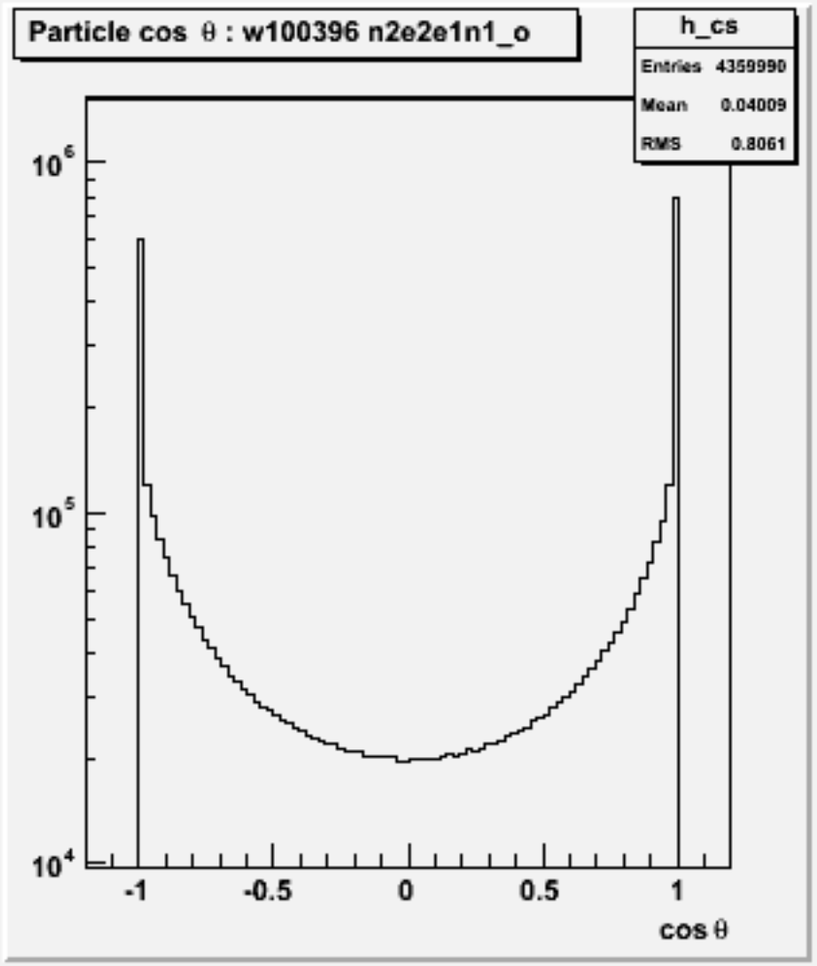

Jet cos θ (All jets)w100392 n1e1sc_o
ha_j0cs
Entries 720404
Mean 0.1656
RMS 0.7633
cos θ

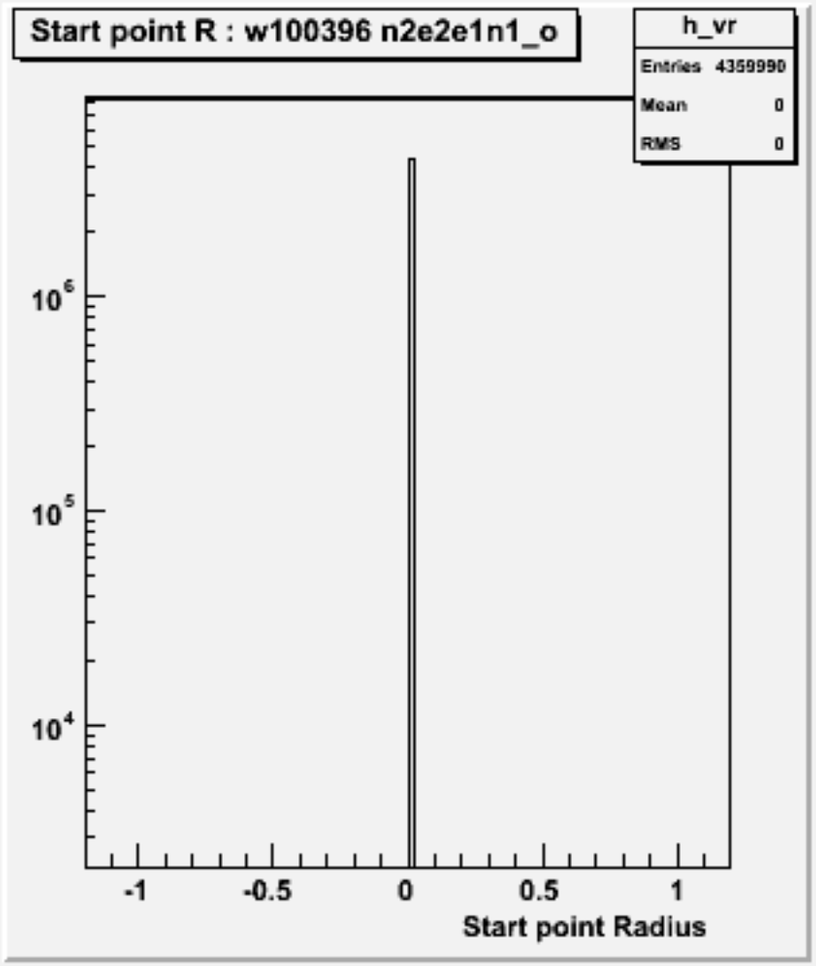

2jets mass(All comb)w100392 n1e1sc_o
ha_m01
Entries 1080606
Mean 84.99
RMS 71.36
M(J_iJ_k) (GeV)

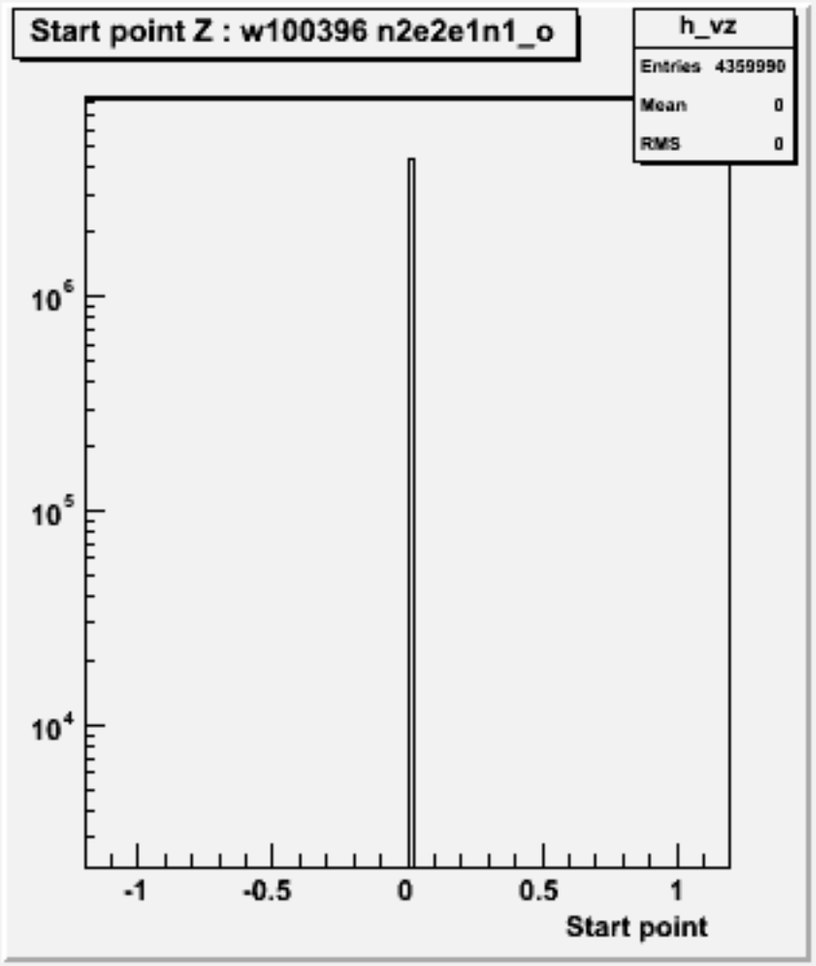

Particle ID : w100396 n2e2e1n1_o
h_id
Entries 4359990
Mean 7.333
RMS 14.58
10^6
-15 -10 -5 0 5 10 15 20 25
Particle ID

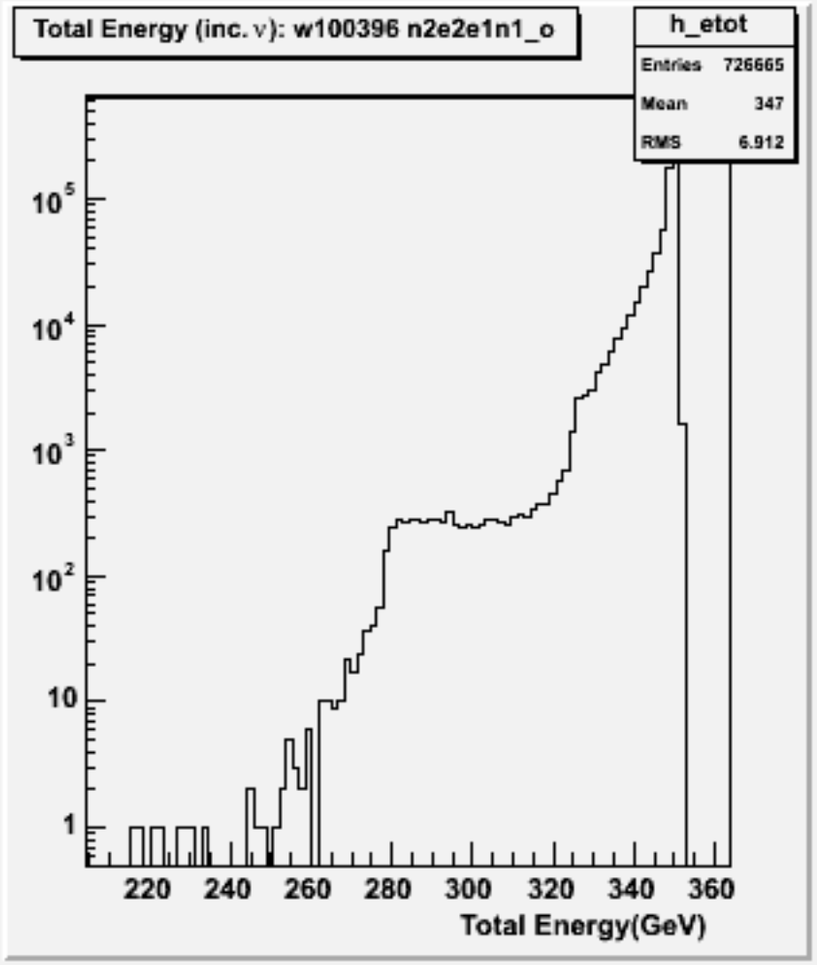

Particle Energy : w100396 n2e2e1n1_o
h_e
Entries 4359990
Mean 57.84
RMS 53.21
10^6
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

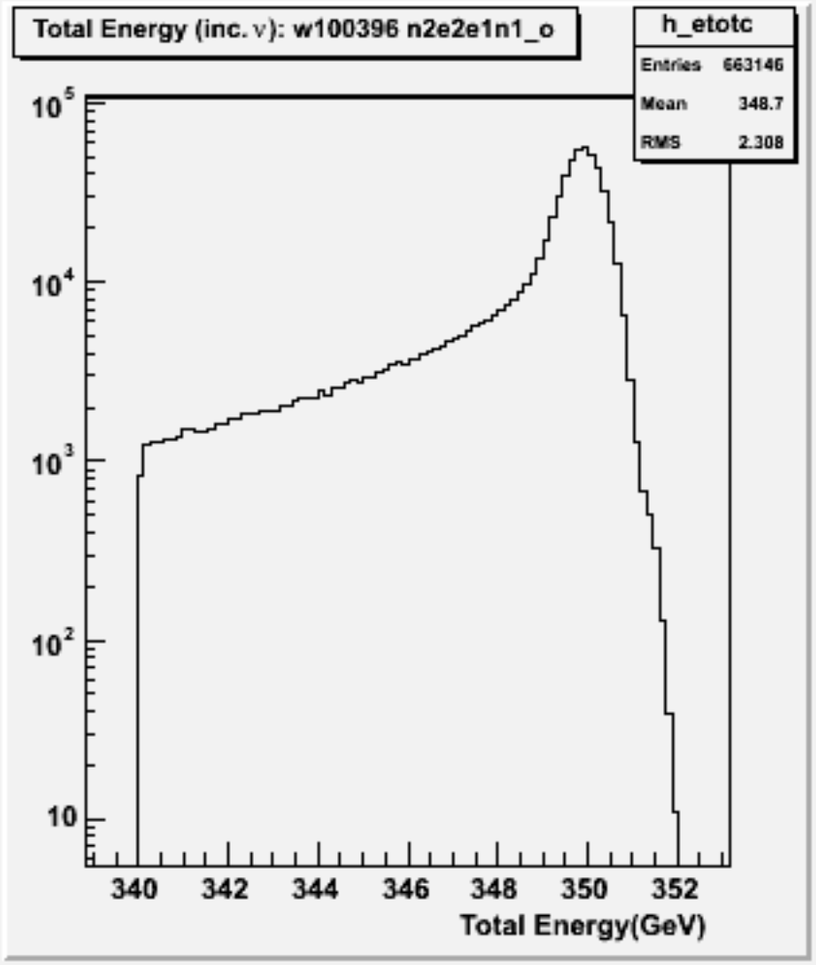

Particle Pt : w100396 n2e2e1n1_o
h_pt
Entries 4359990
Mean 32.05
RMS 33.48
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

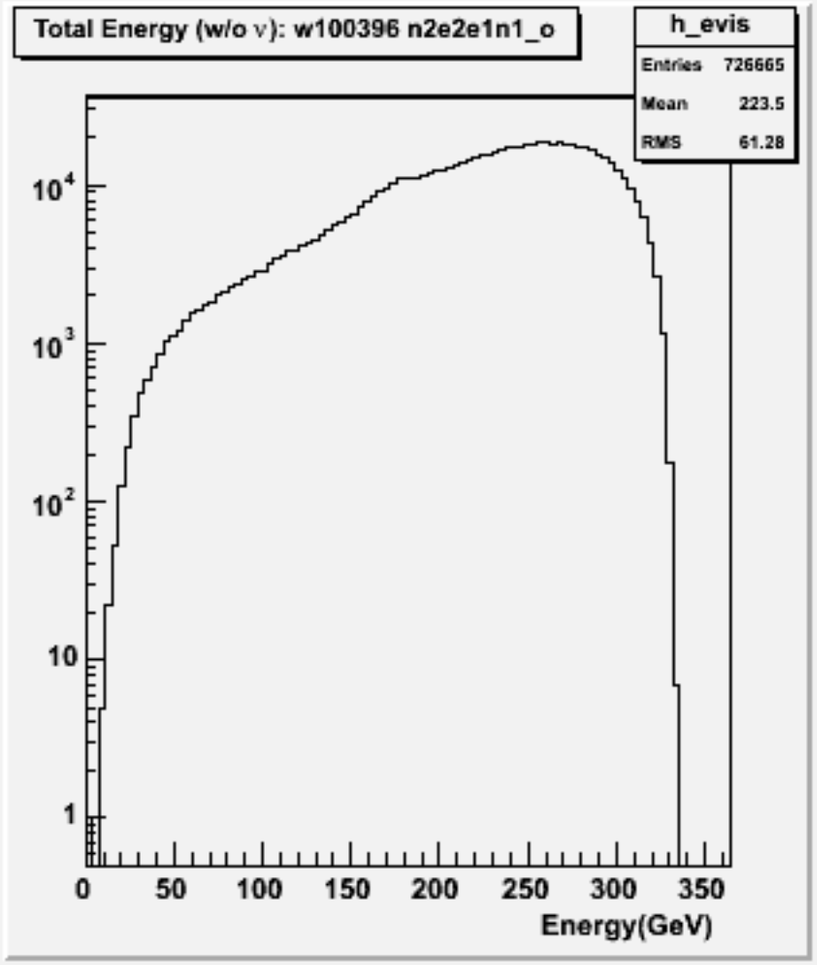

Particle cos θ : w100396 n2e2e1n1_o
h_cs
Entries 4359990
Mean 0.04009
RMS 0.8061
10^6
10^5
10^4
-1 -0.5 0 0.5 1
cos θ

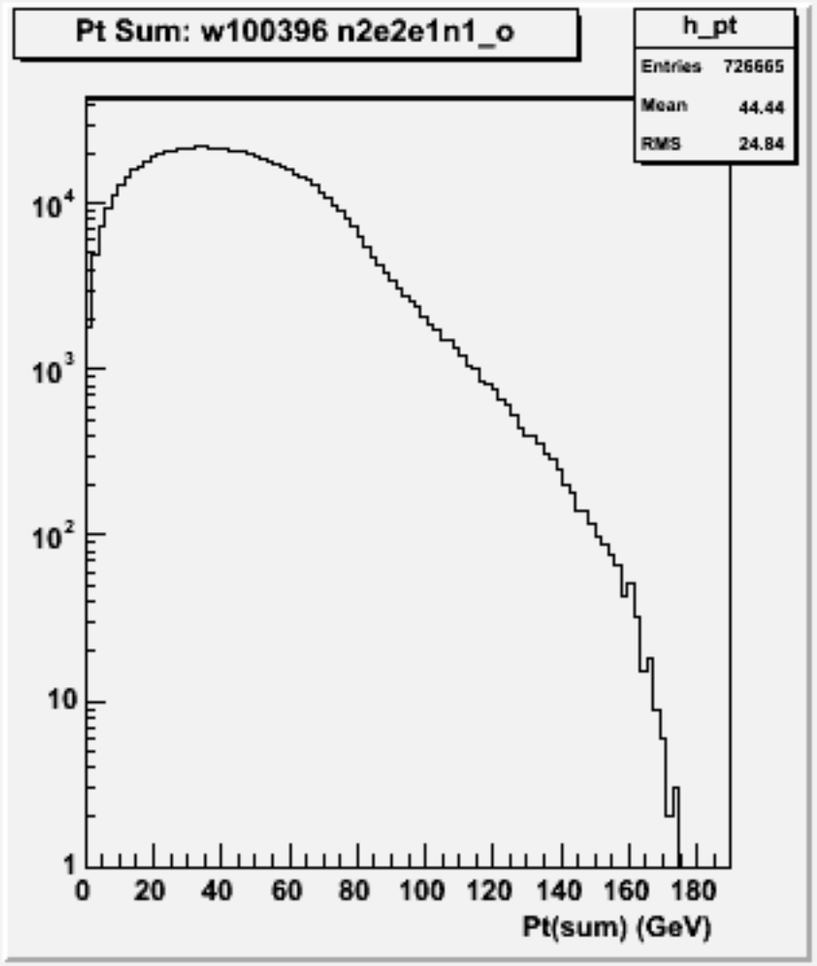

Start point R : w100396 n2e2e1n1_o
h_vr
Entries 4359990
Mean 0
RMS 0
10^6
10^5
10^4
-1 -0.5 0 0.5 1
Start point Radius

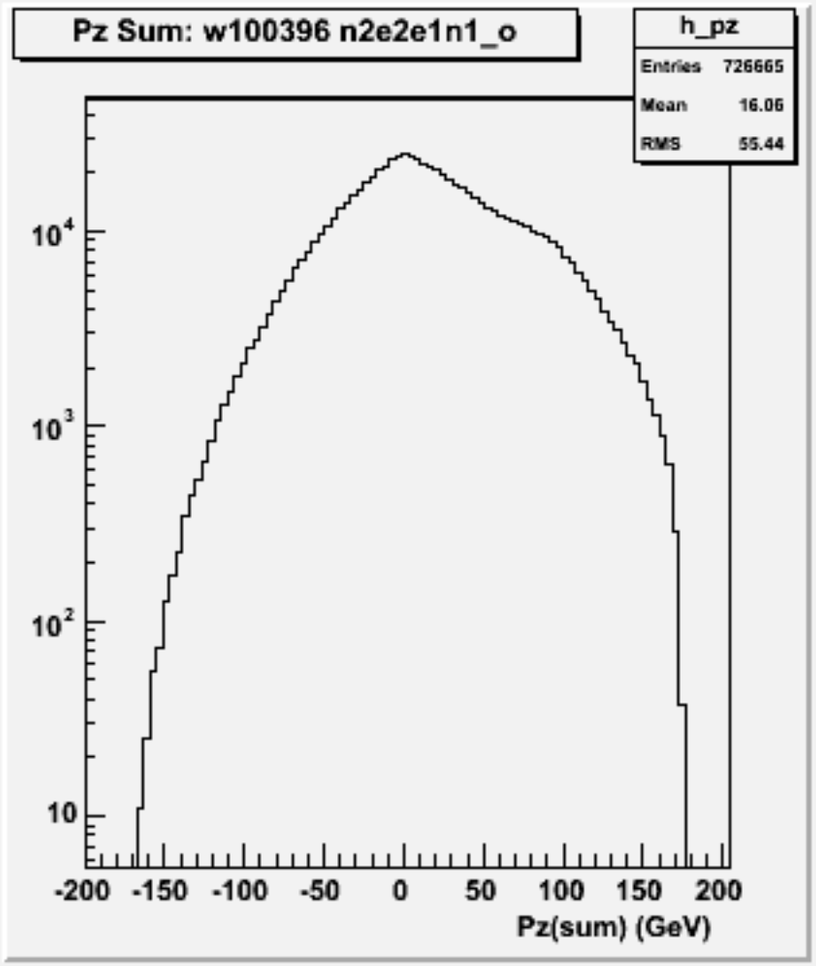

Start point Z : w100396 n2e2e1n1_o
h_vz
Entries 4359990
Mean 0
RMS 0
10^6
10^5
10^4
-1 -0.5 0 0.5 1
Start point

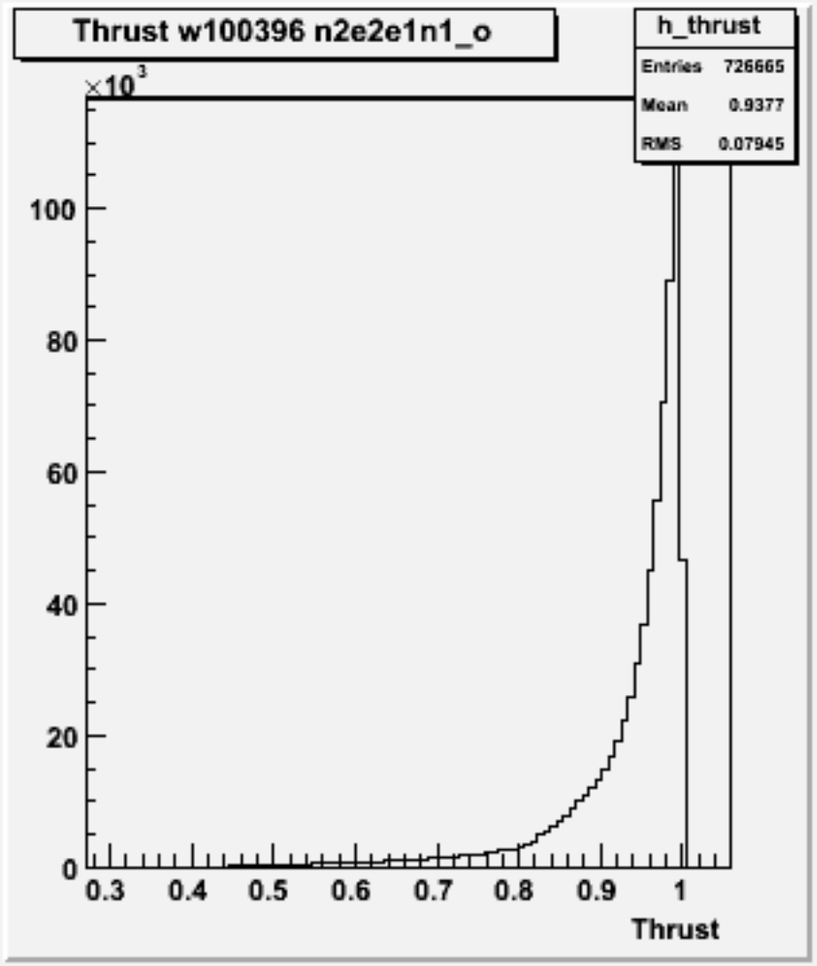

Total Energy (inc. ν): w100396 n2e2e1n1_o
h_etot
Entries 726665
Mean 347
RMS 6.912
Total Energy(GeV)

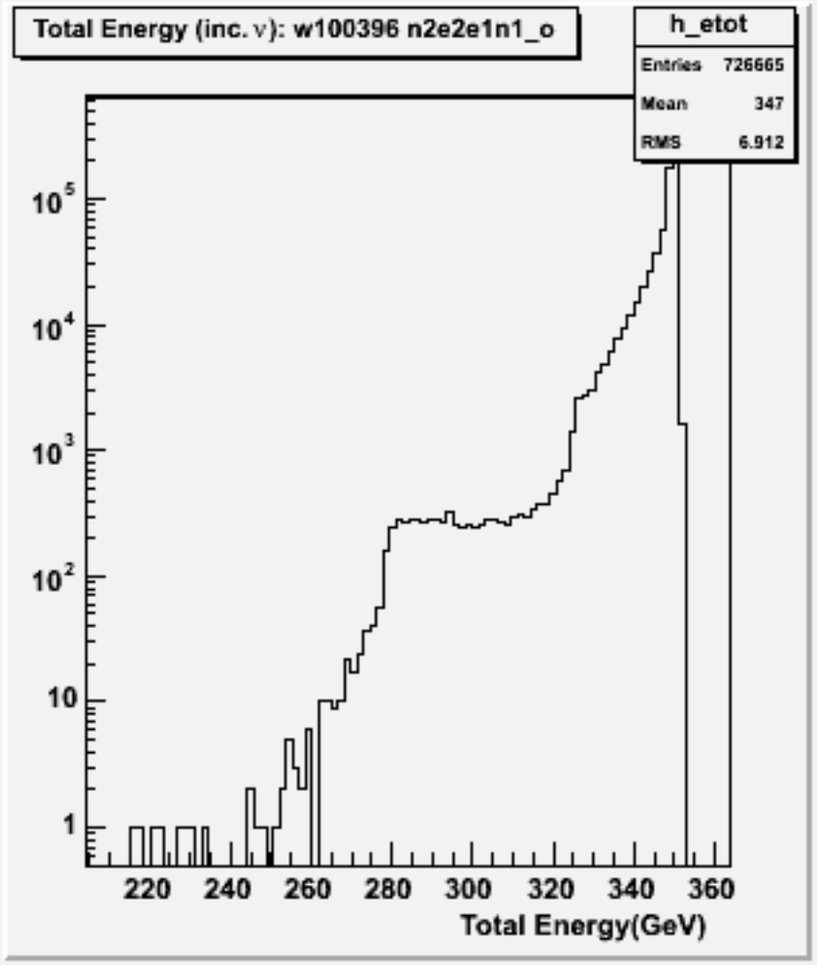

Total Energy (inc. ν): w100396 n2e2e1n1_o
h_etotc
Entries 663146
Mean 348.7
RMS 2.308
Total Energy(GeV)

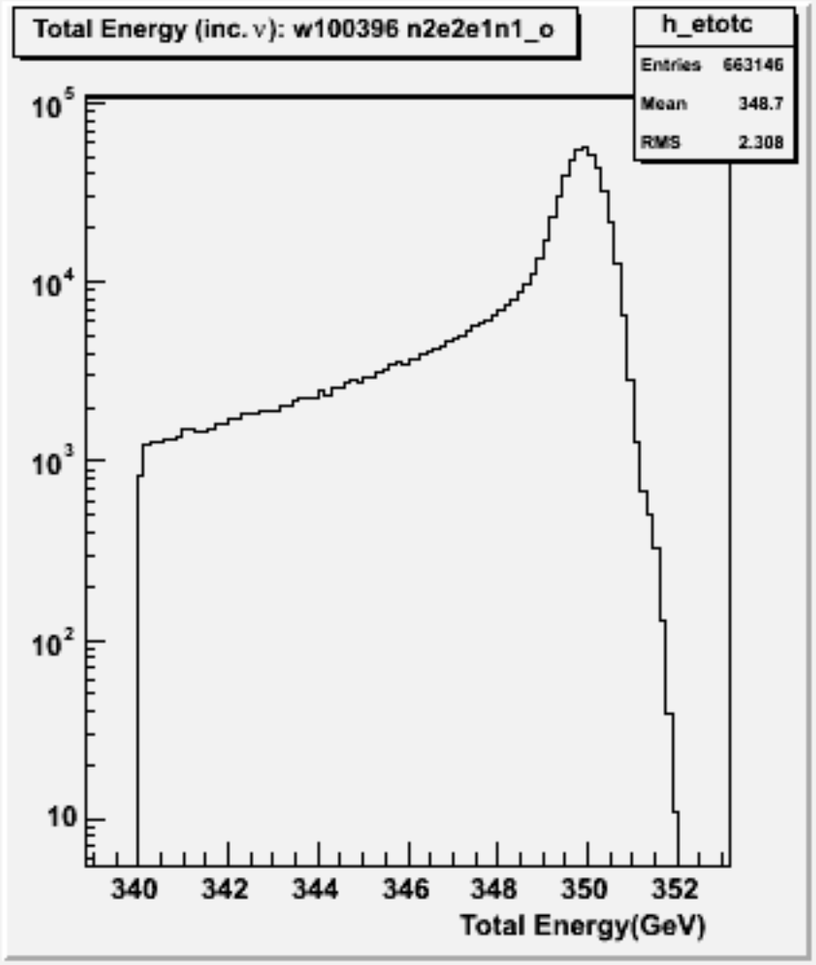

Total Energy (w/o ν): w100396 n2e2e1n1_o
h_evis
Entries 726665
Mean 223.5
RMS 61.28
Energy(GeV)

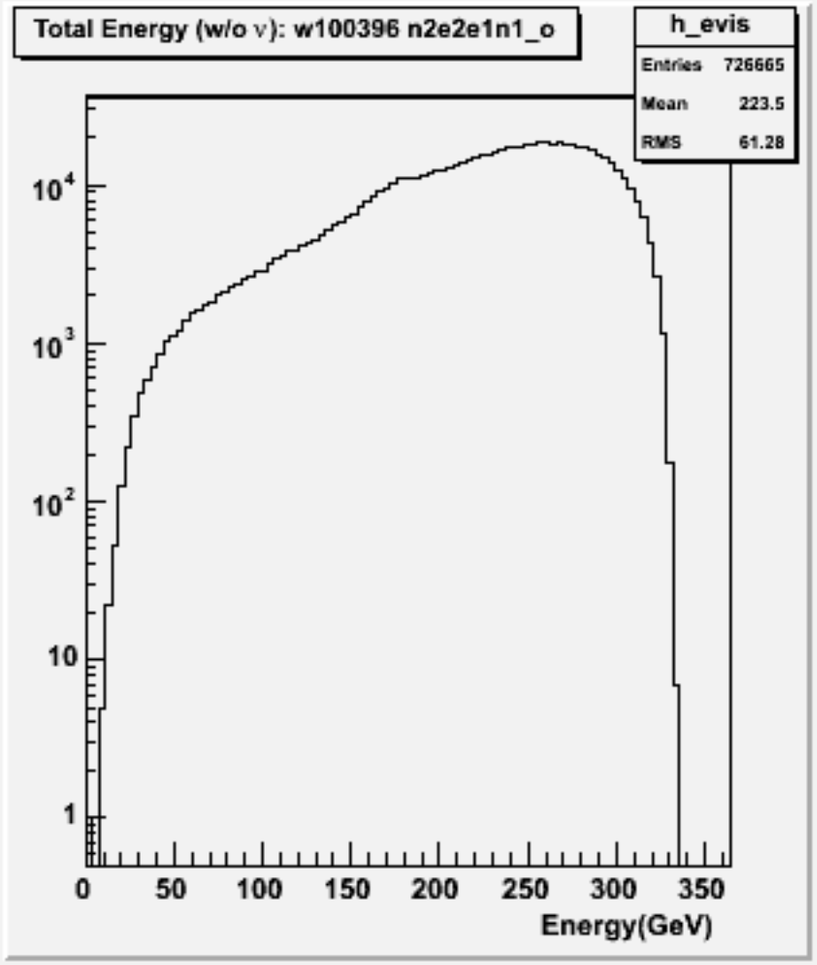

Pt Sum: w100396 n2e2e1n1_o
h_pt
Entries 726665
Mean 44.44
RMS 24.84
Pt(sum) (GeV)

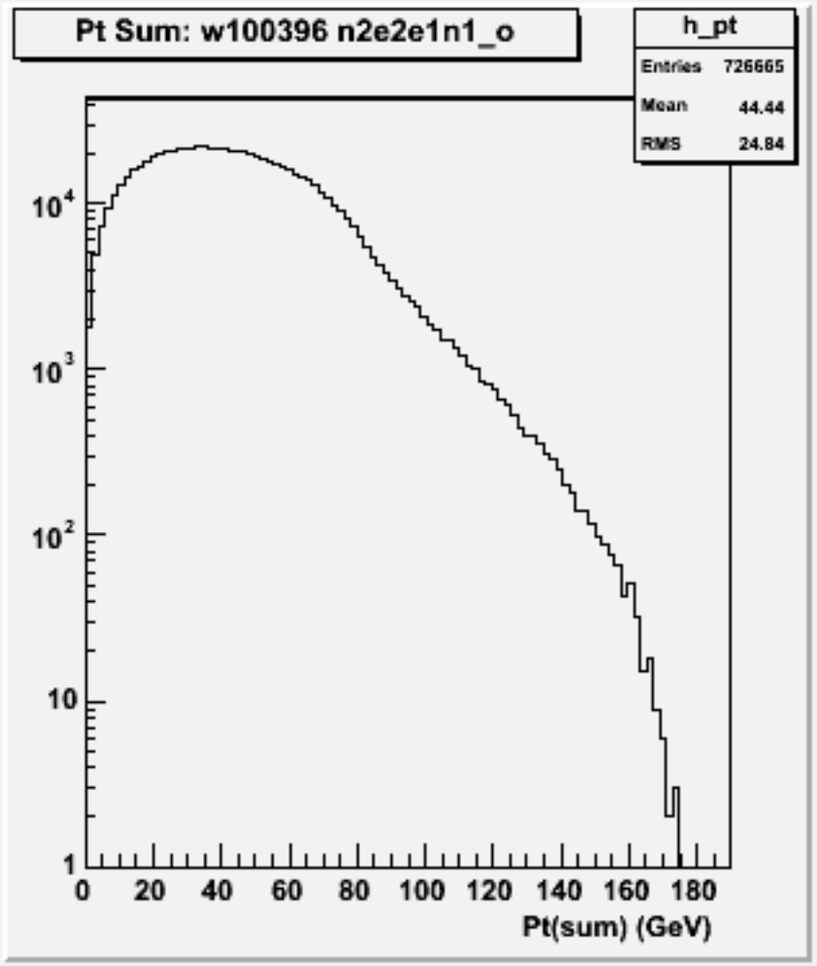

Pz Sum: w100396 n2e2e1n1_o
h_pz
Entries 726665
Mean 16.06
RMS 55.44
Pz(sum) (GeV)

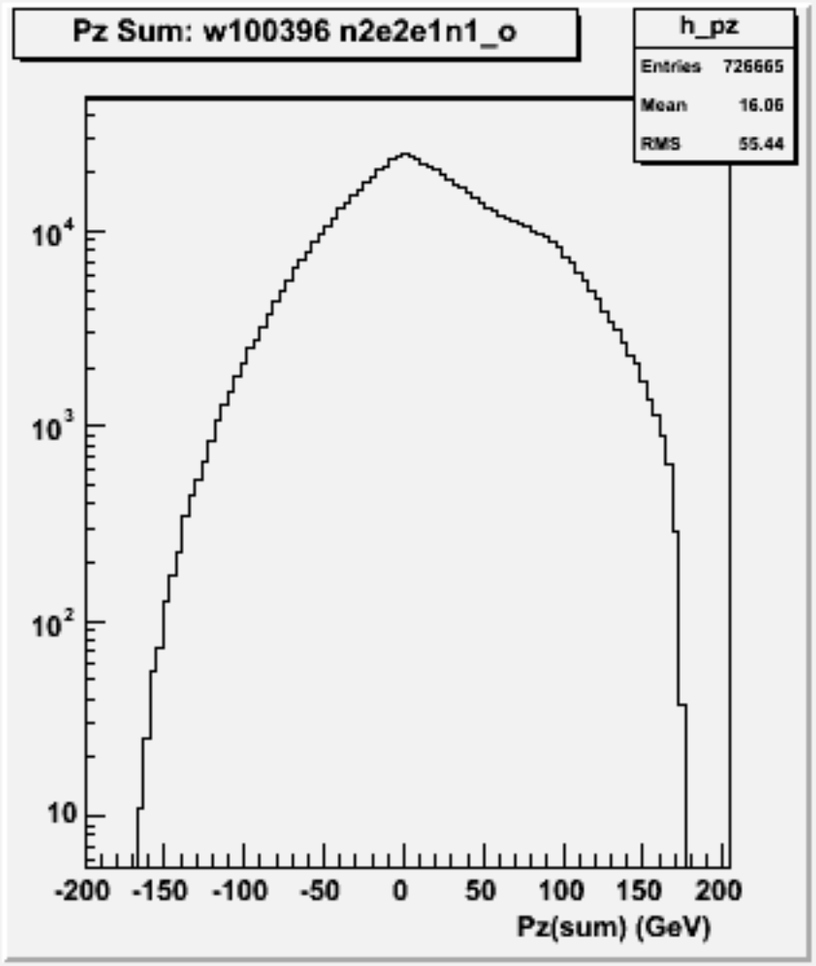

Thrust w100396 n2e2e1n1_o
h_thrust
Entries 726665
Mean 0.9377
RMS 0.07945
Thrust

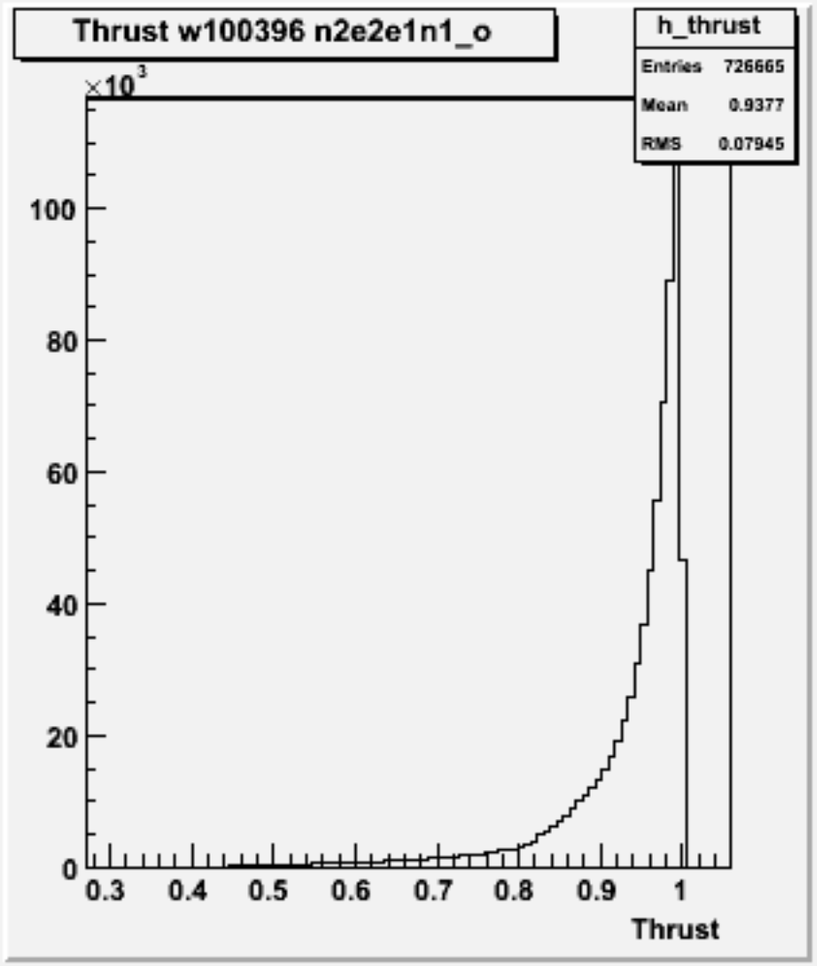

Total Energy (inc. ν): w100396 n2e2e1n1_o
h_etot
Entries 726665
Mean 347
RMS 6.912
Total Energy(GeV)

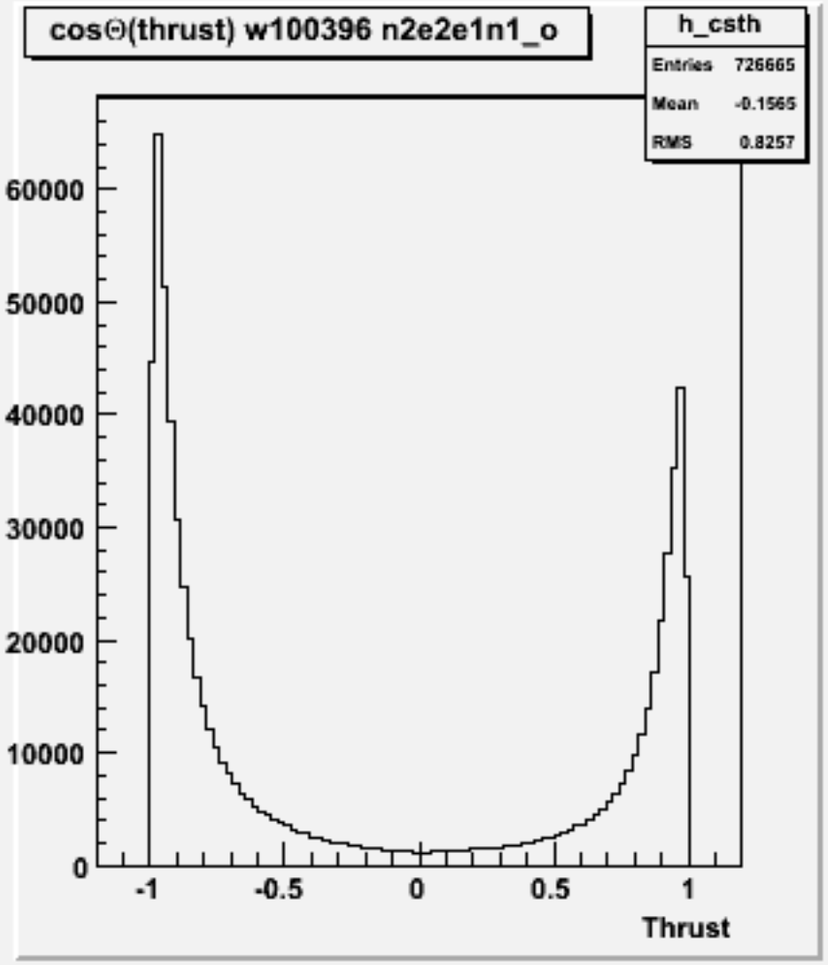

Total Energy (inc. ν): w100396 n2e2e1n1_o
h_etotc
Entries 663146
Mean 348.7
RMS 2.308
Total Energy(GeV)

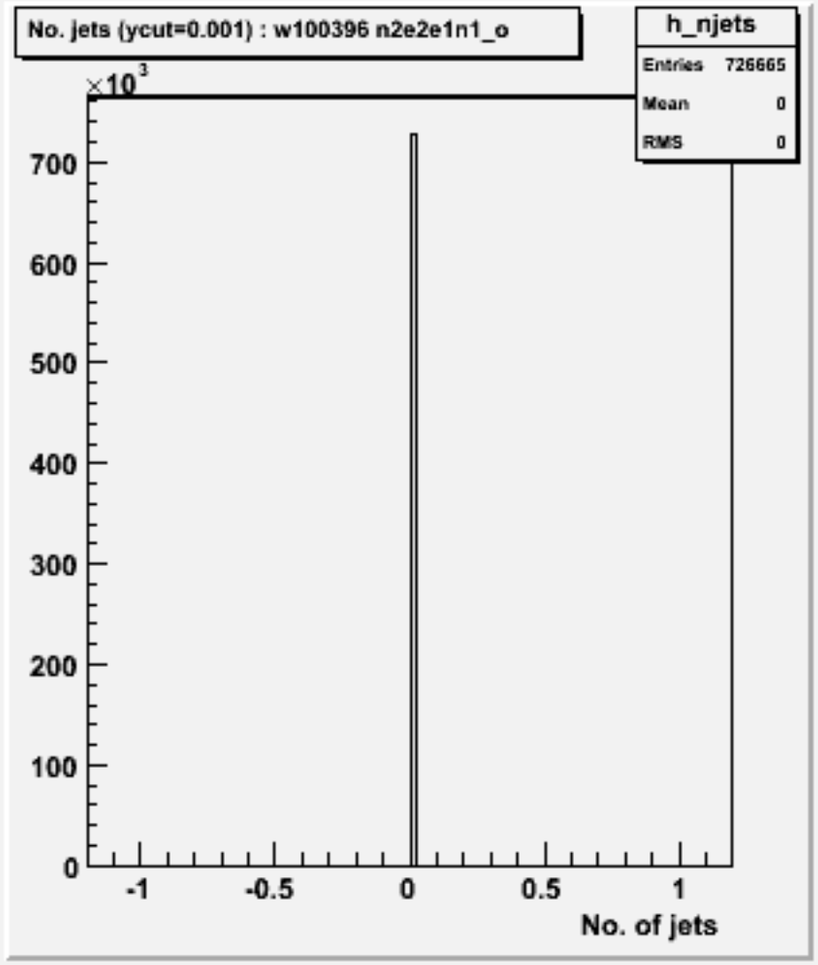

Total Energy (w/o ν): w100396 n2e2e1n1_o
h_evis
Entries 726665
Mean 223.5
RMS 61.28
Energy(GeV)


Pt Sum: w100396 n2e2e1n1_o
h_pt
Entries 726665
Mean 44.44
RMS 24.84
Pt(sum) (GeV)


Pz Sum: w100396 n2e2e1n1_o
h_pz
Entries 726665
Mean 16.06
RMS 55.44
Pz(sum) (GeV)


Thrust w100396 n2e2e1n1_o
h_thrust
Entries 726665
Mean 0.9377
RMS 0.07945
Thrust

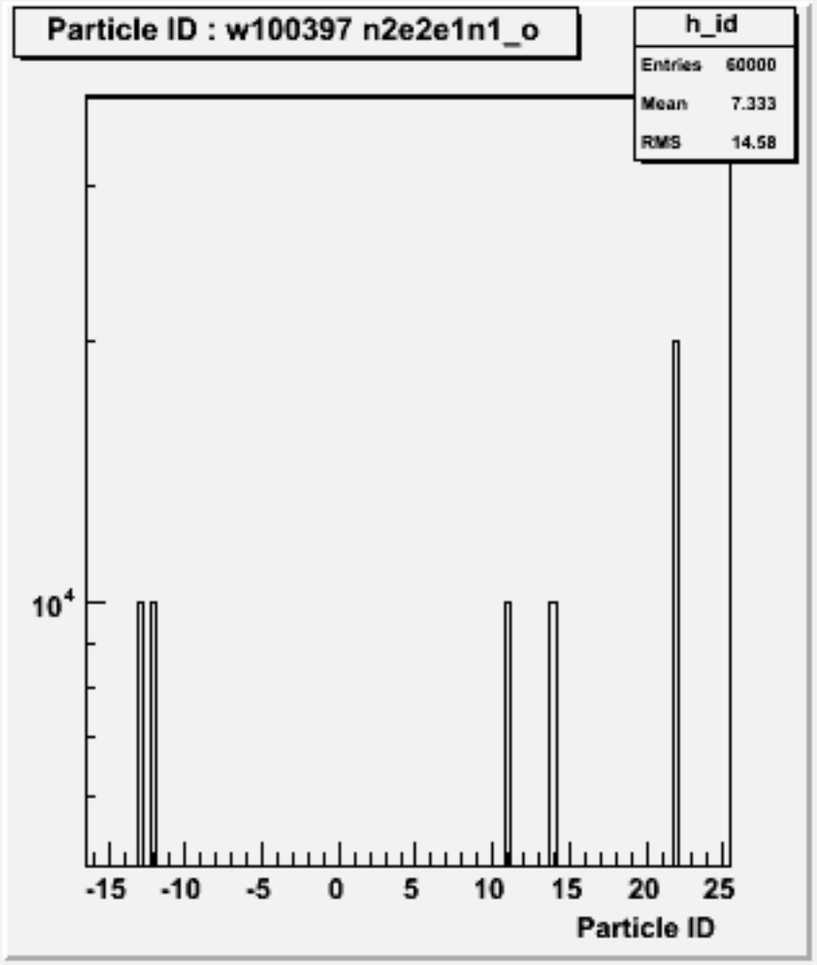


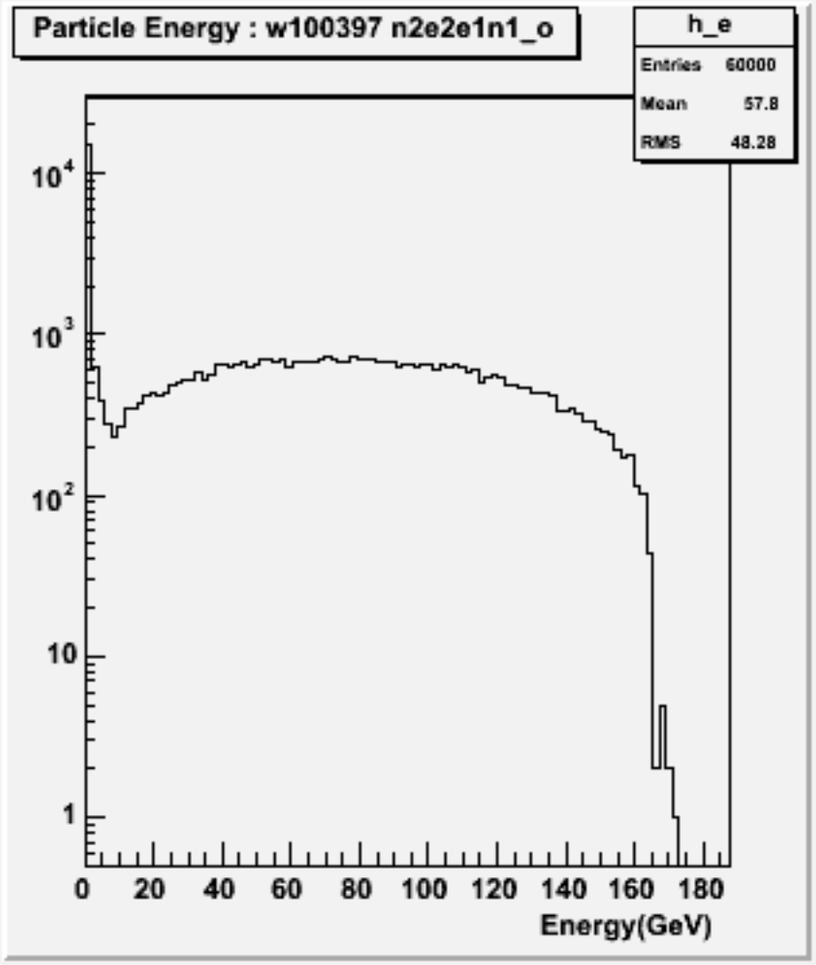


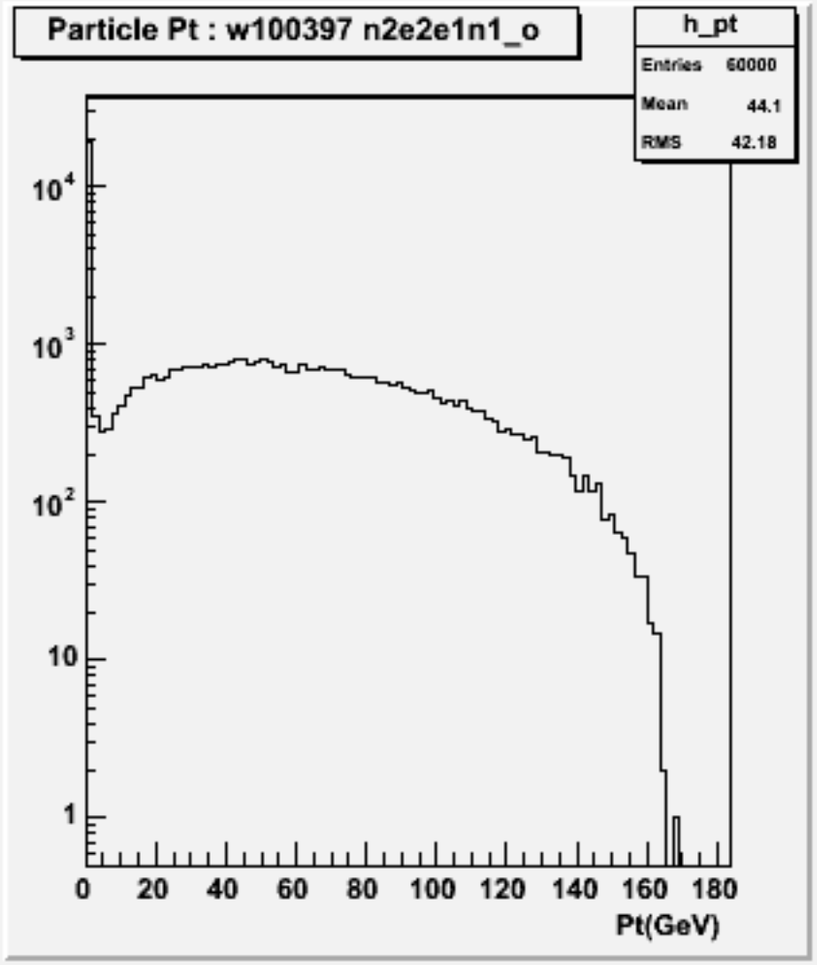
w100396 n2e2e1n1_o

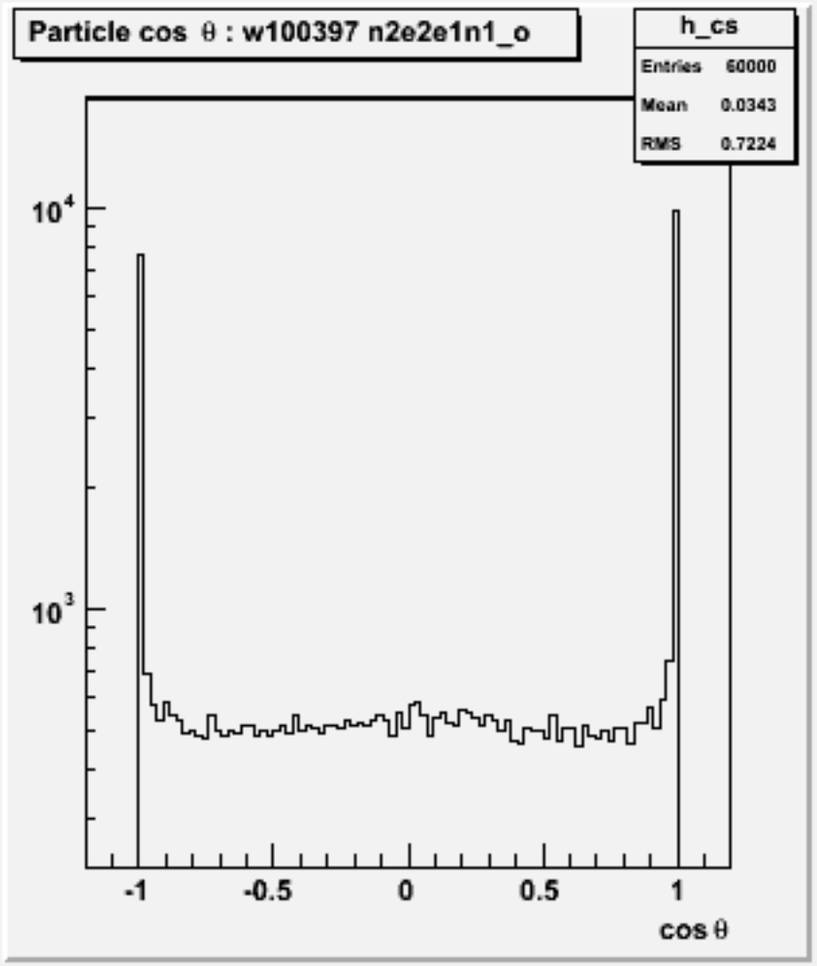
: There are no 2-jets

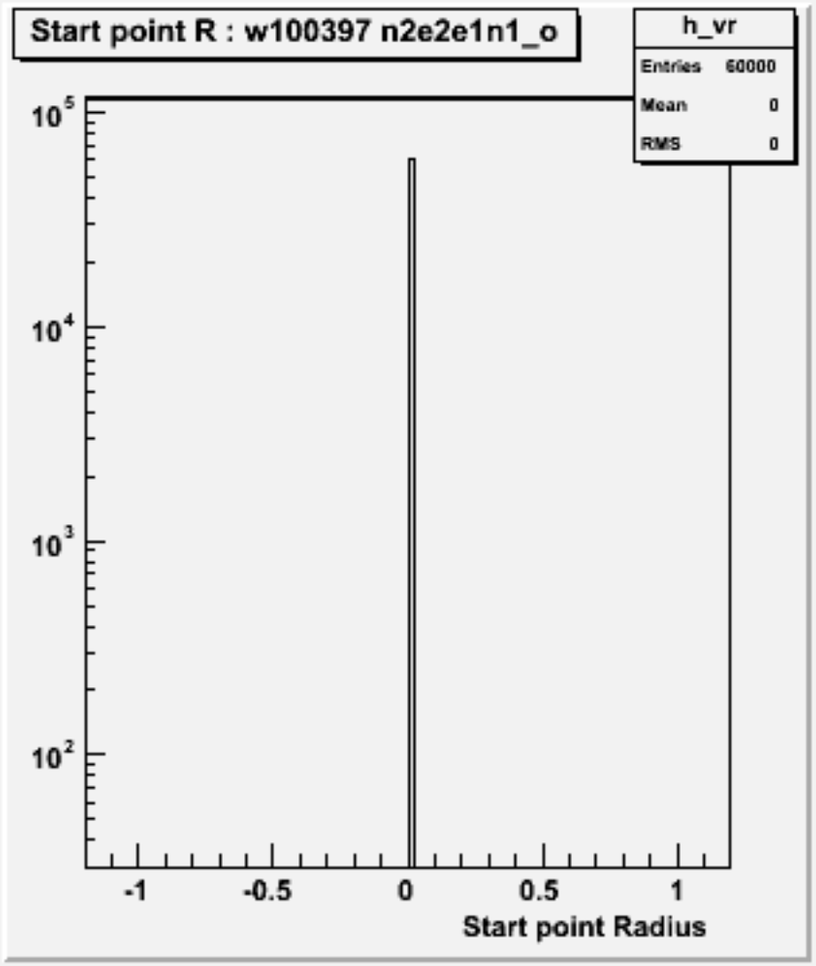
w100396 n2e2e1n1_o : There are no 4-jets

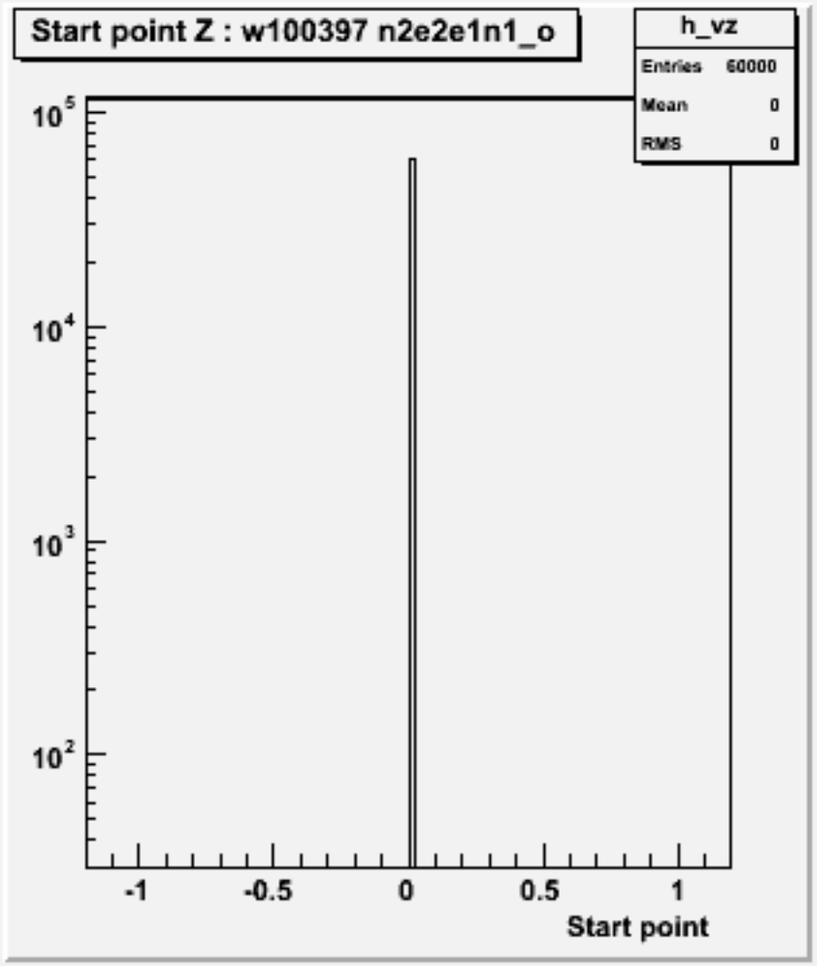

Particle ID : w100397 n2e2e1n1_o
h_id
Entries 60000
Mean 7.333
RMS 14.58
10^4
-15 -10 -5 0 5 10 15 20 25
Particle ID

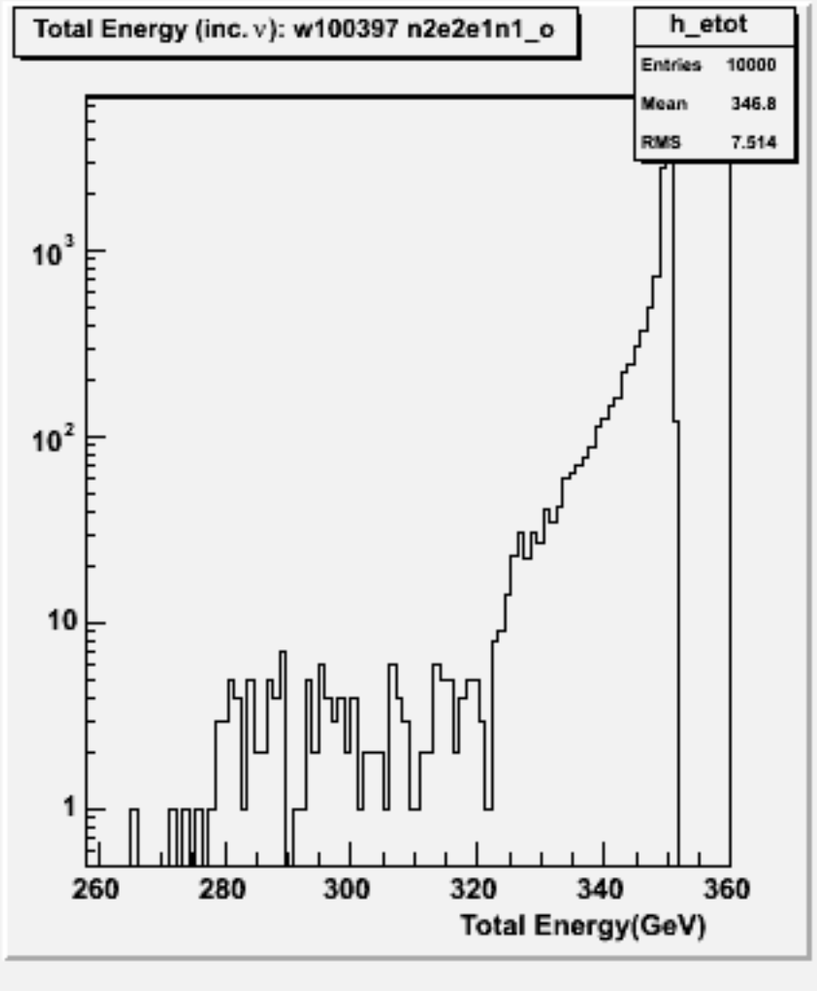

Particle Energy : w100397 n2e2e1n1_o
h_e
Entries 60000
Mean 57.8
RMS 48.28
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

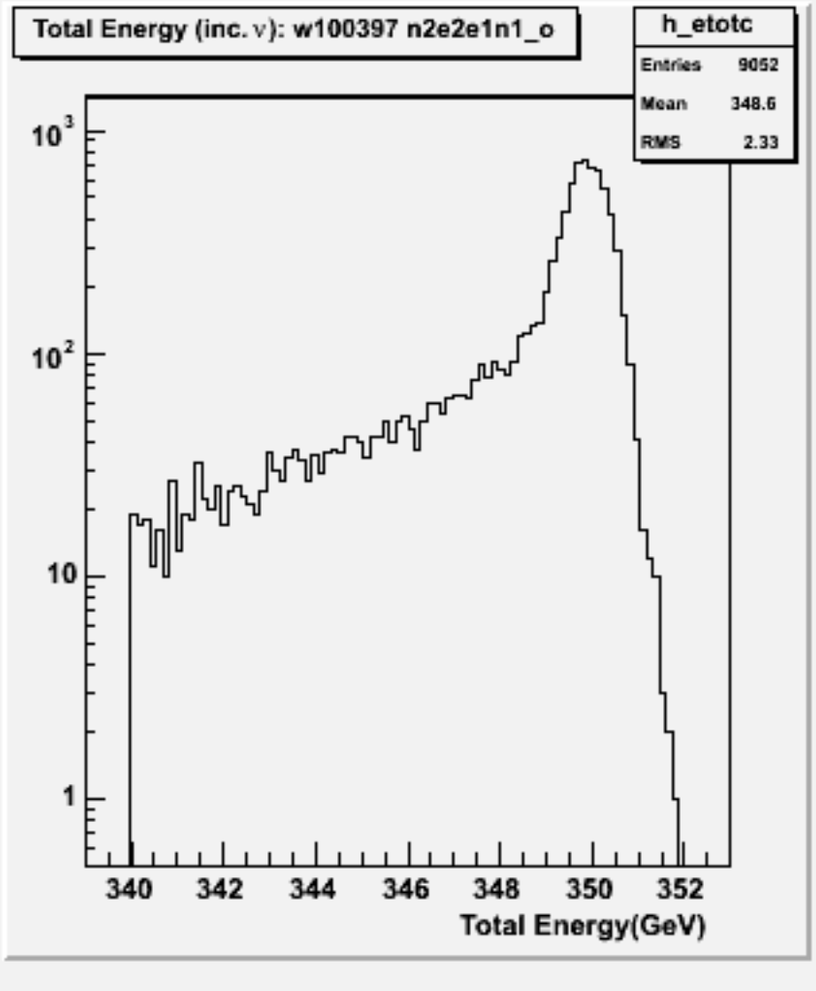

Particle Pt : w100397 n2e2e1n1_o
h_pt
Entries 60000
Mean 44.1
RMS 42.18
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

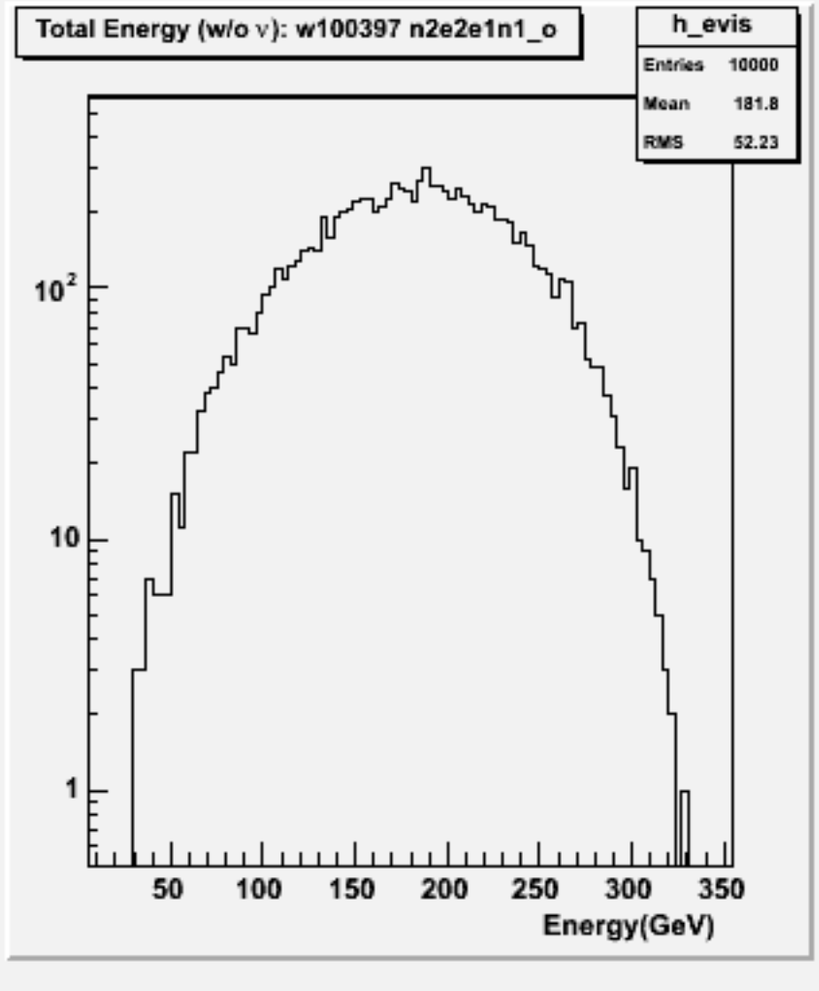

Particle cos θ : w100397 n2e2e1n1_o
h_cs
Entries 60000
Mean 0.0343
RMS 0.7224
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

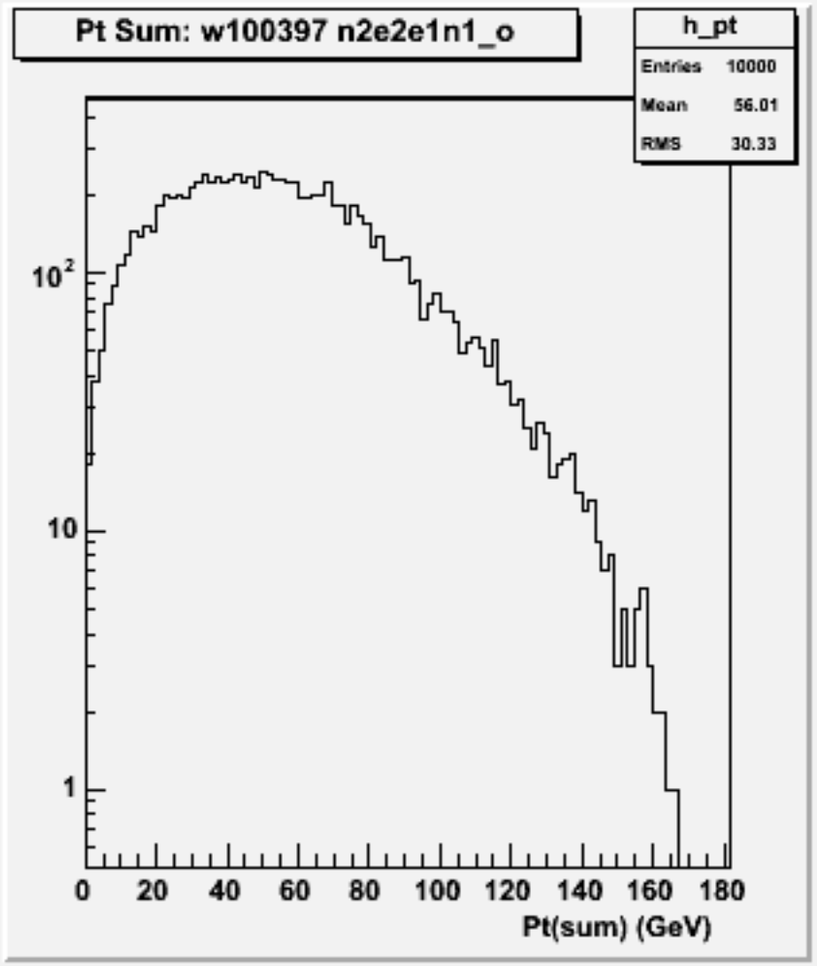

Start point R : w100397 n2e2e1n1_o
h_vr
Entries 60000
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

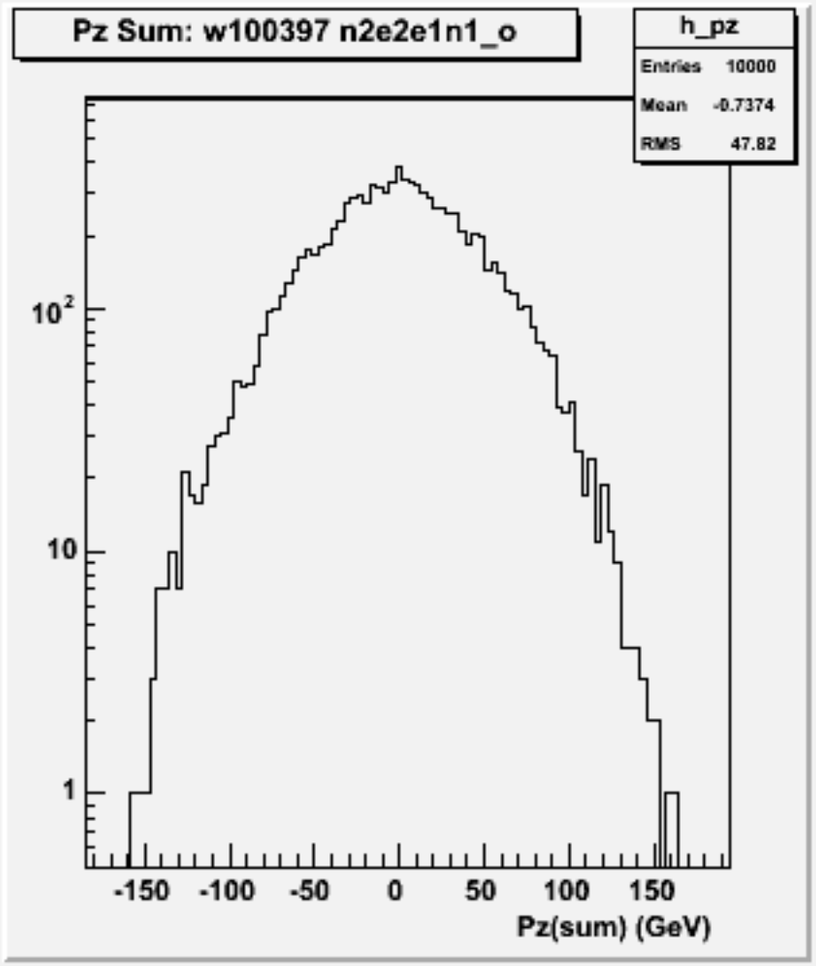

Start point Z : w100397 n2e2e1n1_o
h_vz
Entries 60000
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

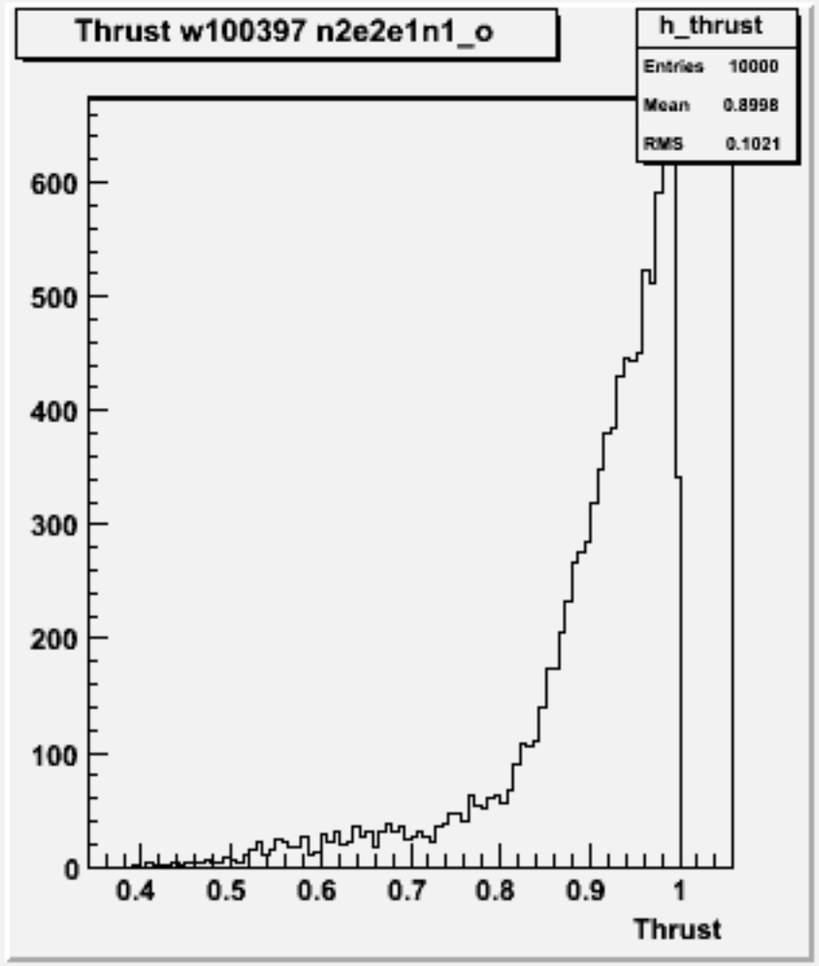

Total Energy (inc. ν): w100397 n2e2e1n1_o
h_etot
Entries 10000
Mean 346.8
RMS 7.514
Total Energy(GeV)

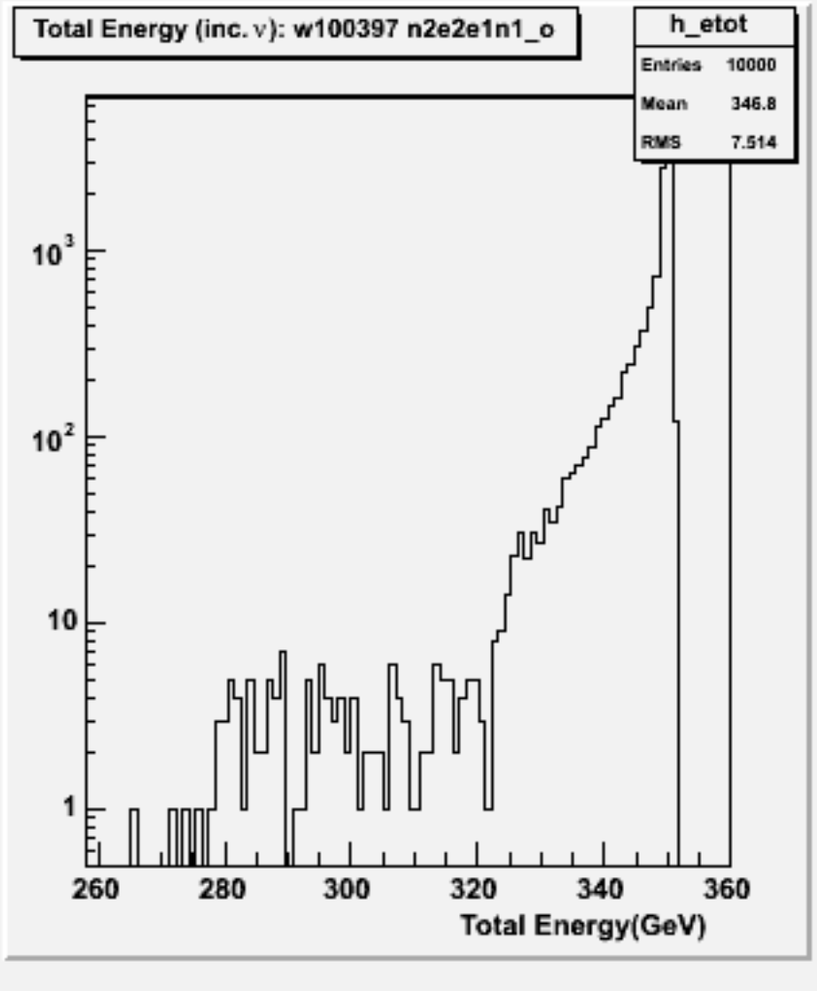

Total Energy (inc. ν): w100397 n2e2e1n1_o
h_etotc
Entries 9052
Mean 348.6
RMS 2.33
Total Energy(GeV)

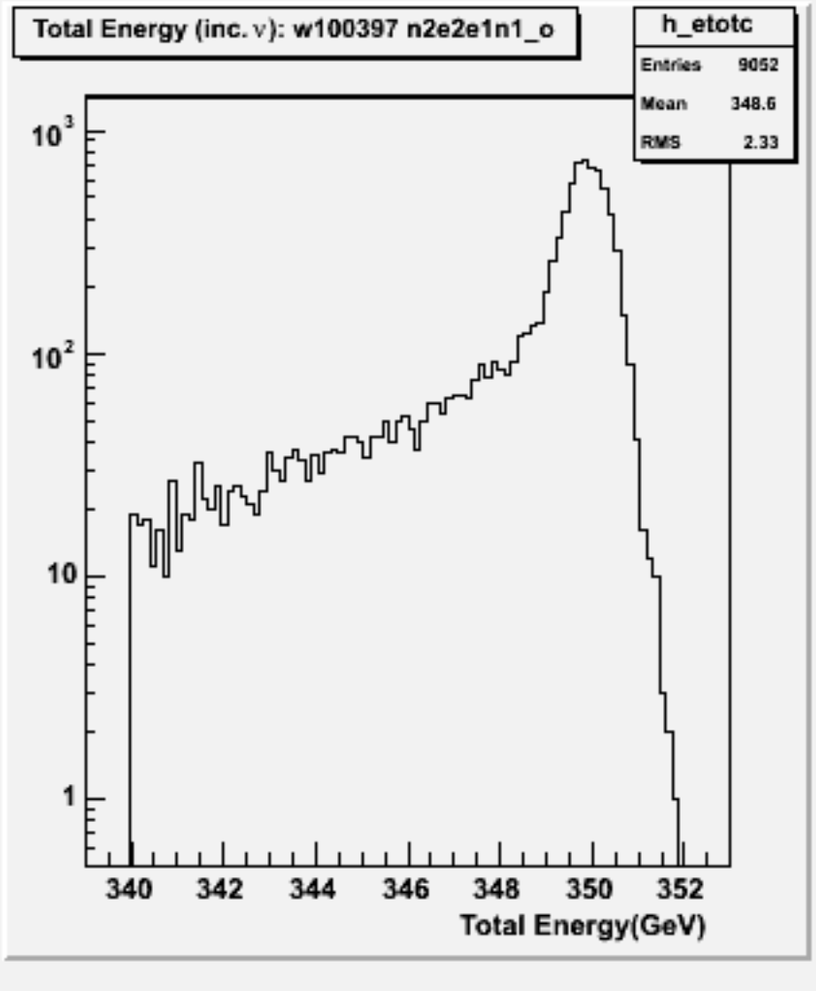

Total Energy (w/o ν): w100397 n2e2e1n1_o
h_evis
Entries 10000
Mean 181.8
RMS 52.23
Energy(GeV)

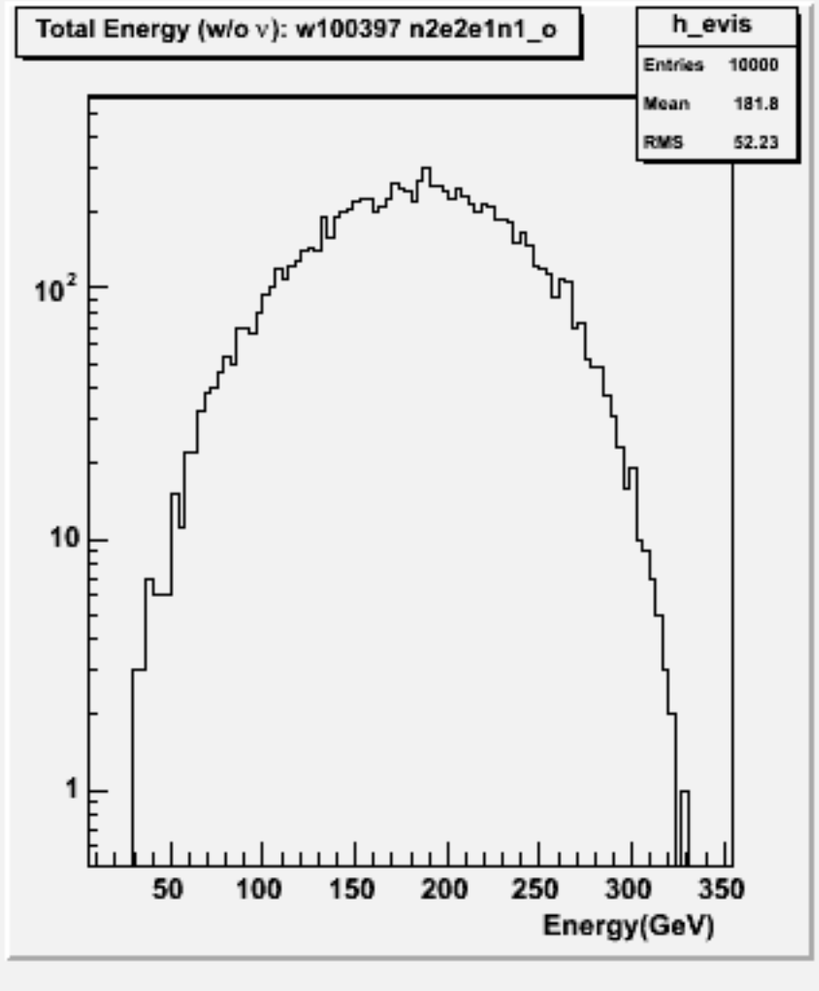

Pt Sum: w100397 n2e2e1n1_o
h_pt
Entries 10000
Mean 56.01
RMS 30.33
Pt(sum) (GeV)

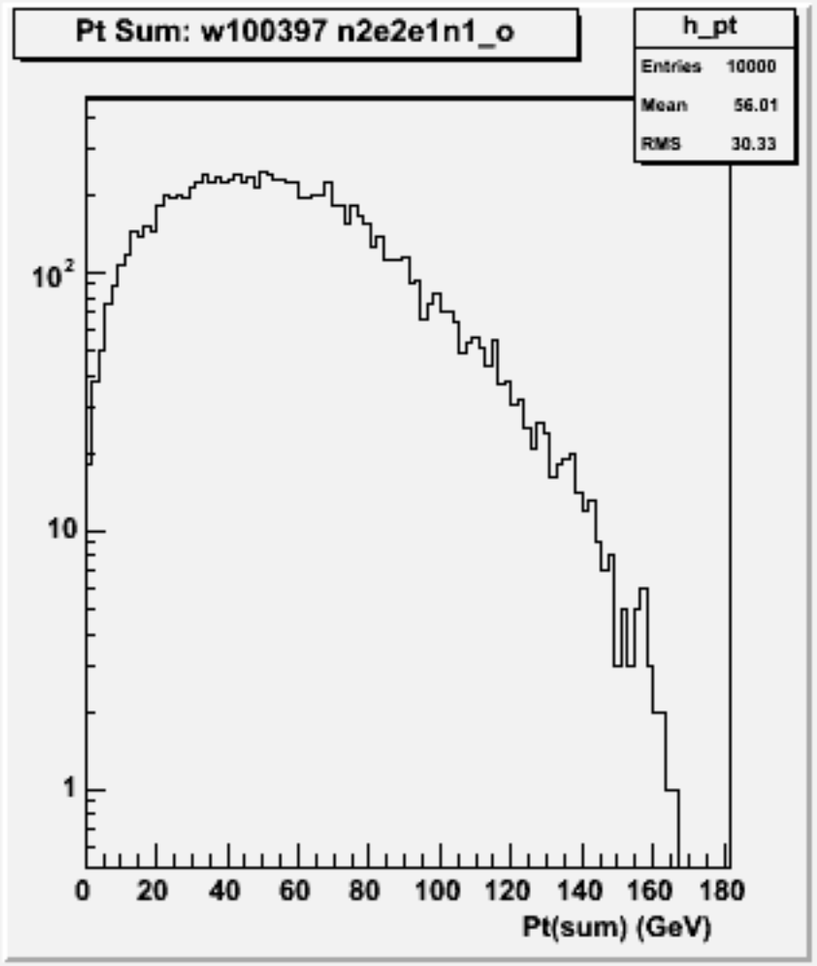

Pz Sum: w100397 n2e2e1n1_o
h_pz
Entries 10000
Mean -0.7374
RMS 47.82
Pz(sum) (GeV)

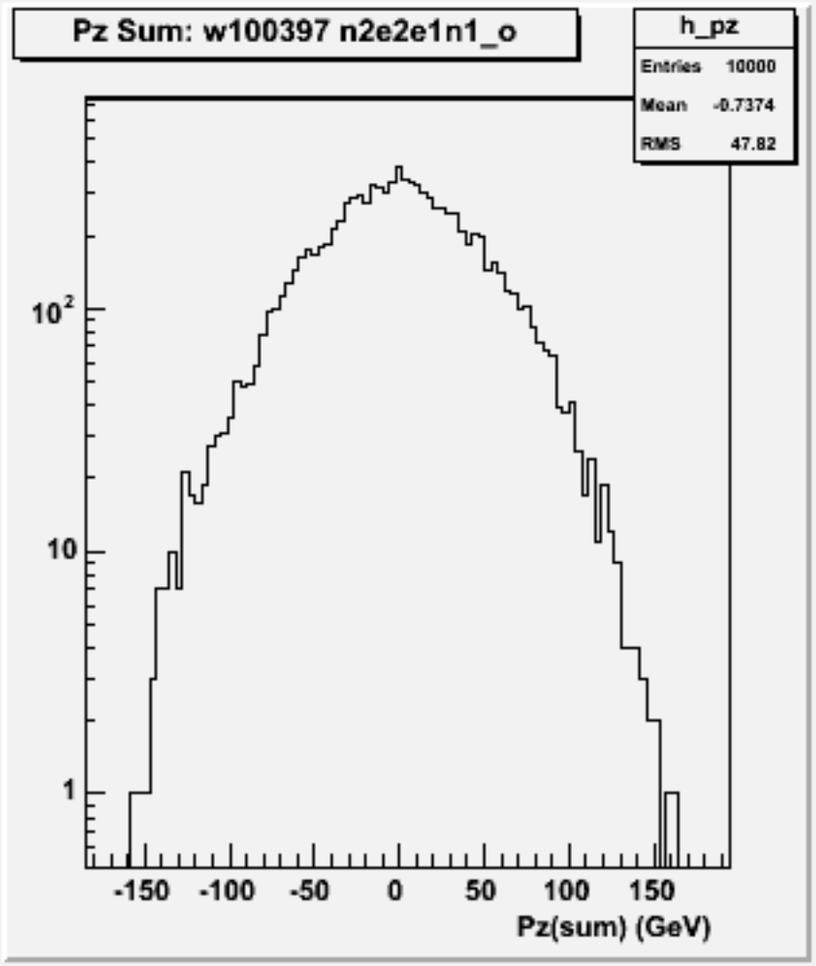

Thrust w100397 n2e2e1n1_o
h_thrust
Entries 10000
Mean 0.8998
RMS 0.1021
Thrust

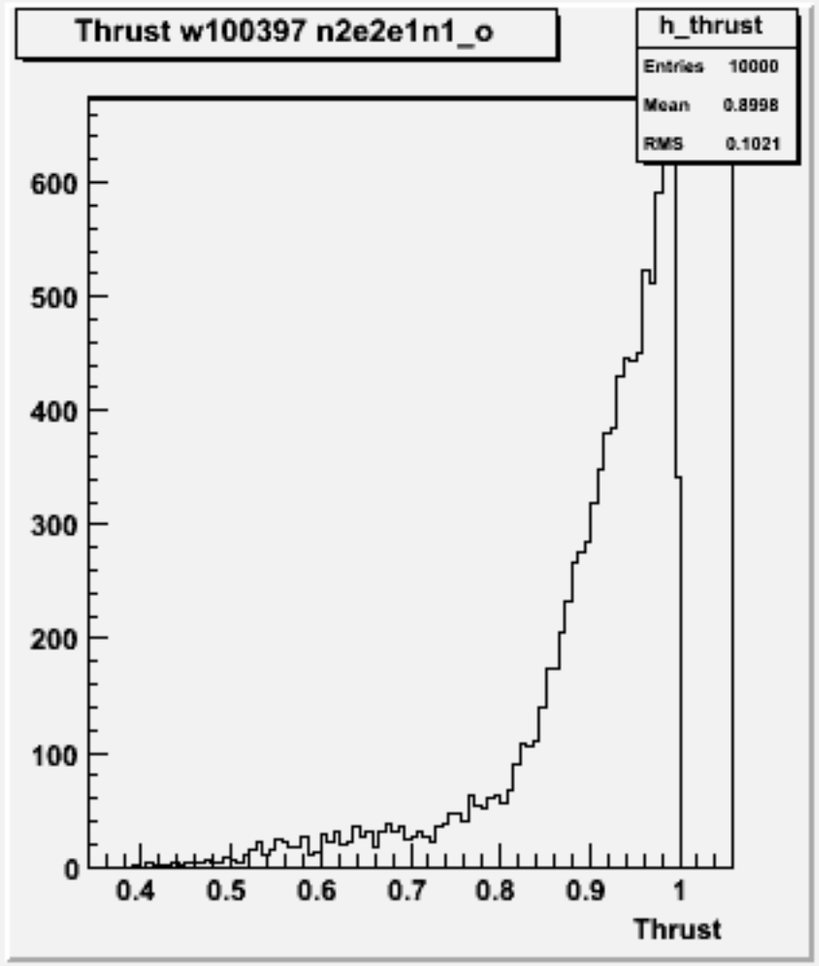

Total Energy (inc. ν): w100397 n2e2e1n1_o
h_etot
Entries 10000
Mean 346.8
RMS 7.514
Total Energy(GeV)

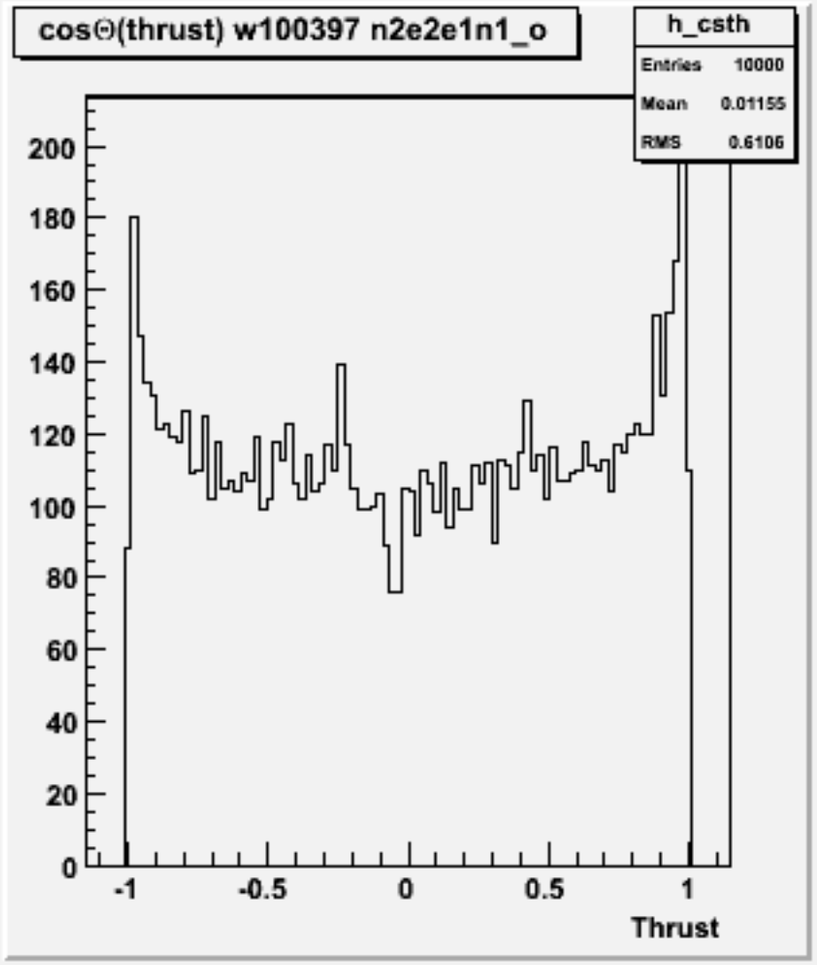

Total Energy (inc. ν): w100397 n2e2e1n1_o
h_etotc
Entries 9052
Mean 348.6
RMS 2.33
Total Energy(GeV)

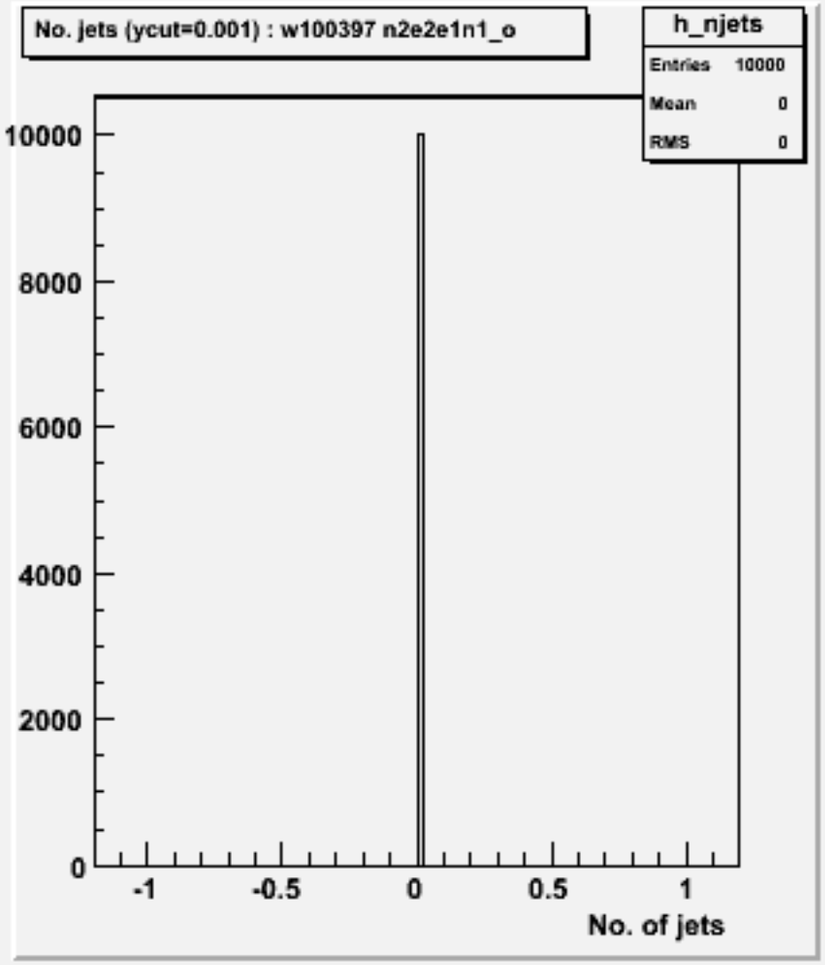

Total Energy (w/o ν): w100397 n2e2e1n1_o
h_evis
Entries 10000
Mean 181.8
RMS 52.23
Energy(GeV)


Pt Sum: w100397 n2e2e1n1_o
h_pt
Entries 10000
Mean 56.01
RMS 30.33
Pt(sum) (GeV)


Pz Sum: w100397 n2e2e1n1_o
h_pz
Entries 10000
Mean -0.7374
RMS 47.82
Pz(sum) (GeV)


Thrust w100397 n2e2e1n1_o
h_thrust
Entries 10000
Mean 0.8998
RMS 0.1021
Thrust

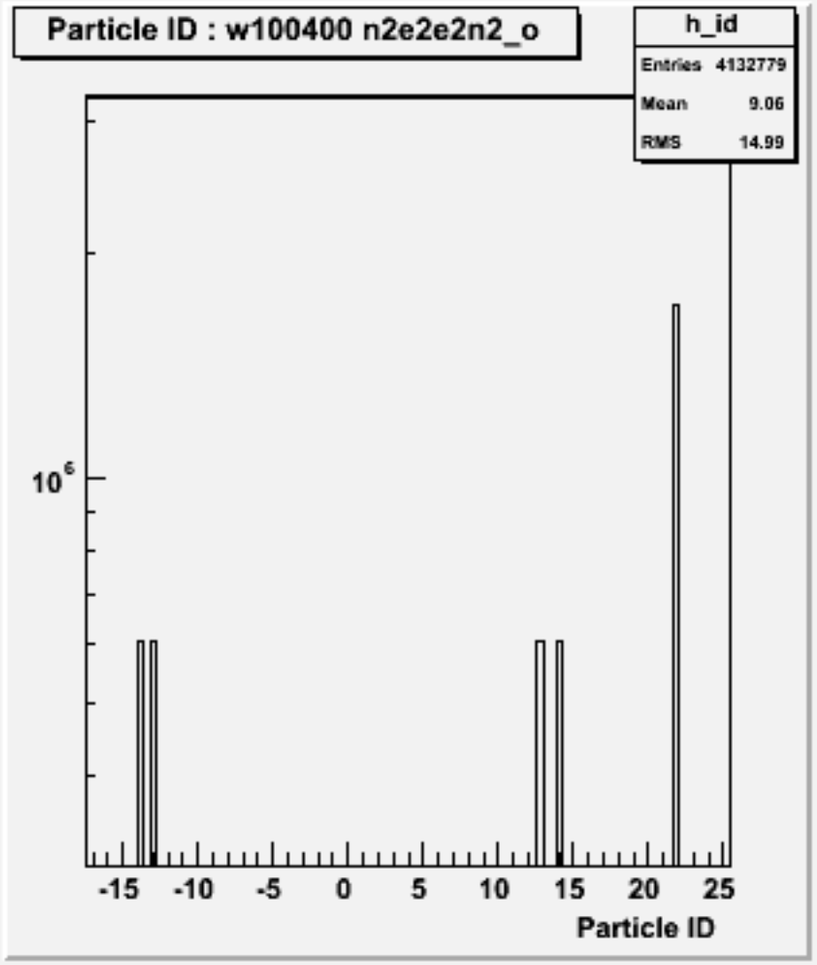


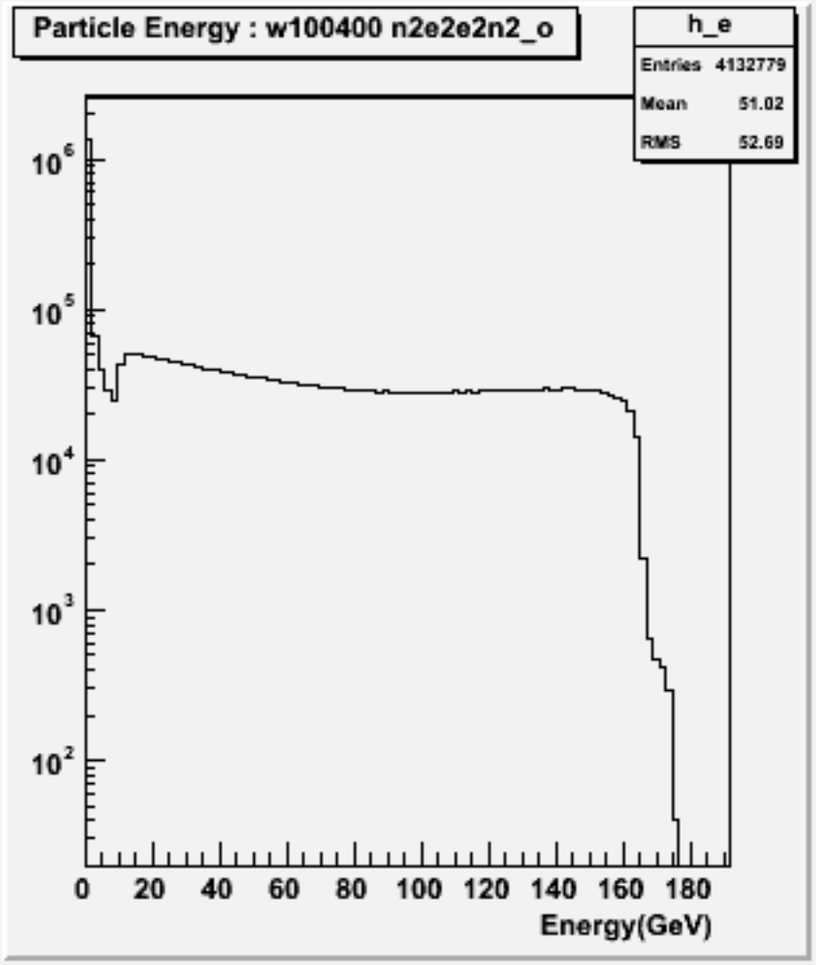


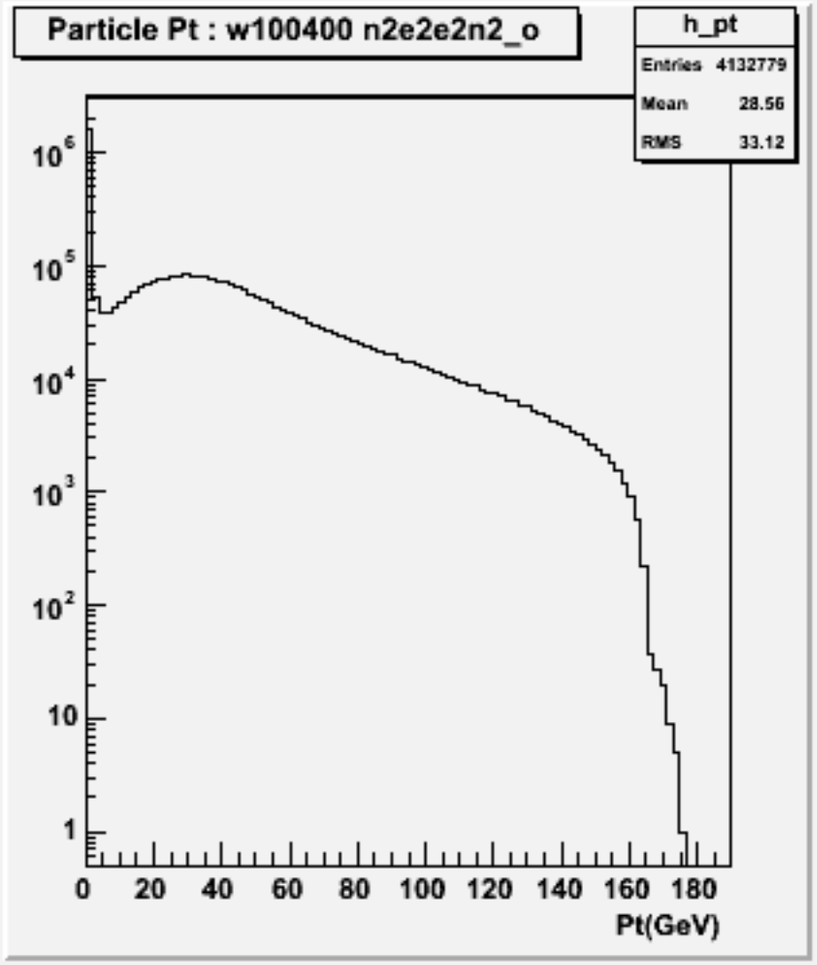
w100397 n2e2e1n1_o

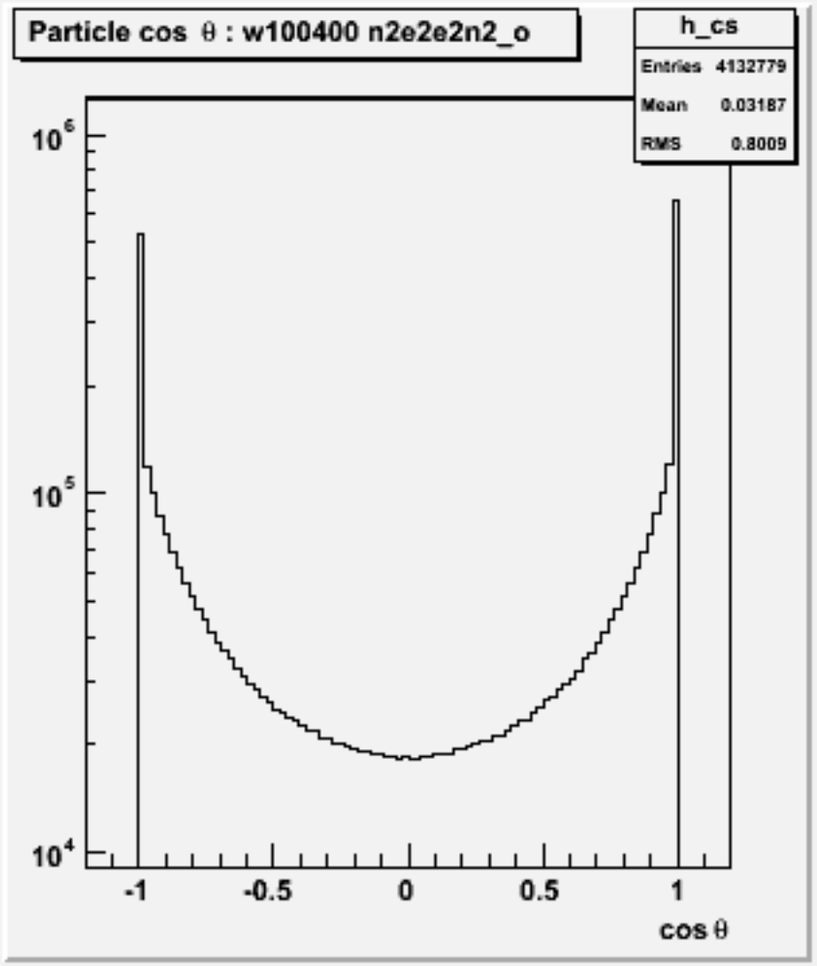
: There are no 2-jets

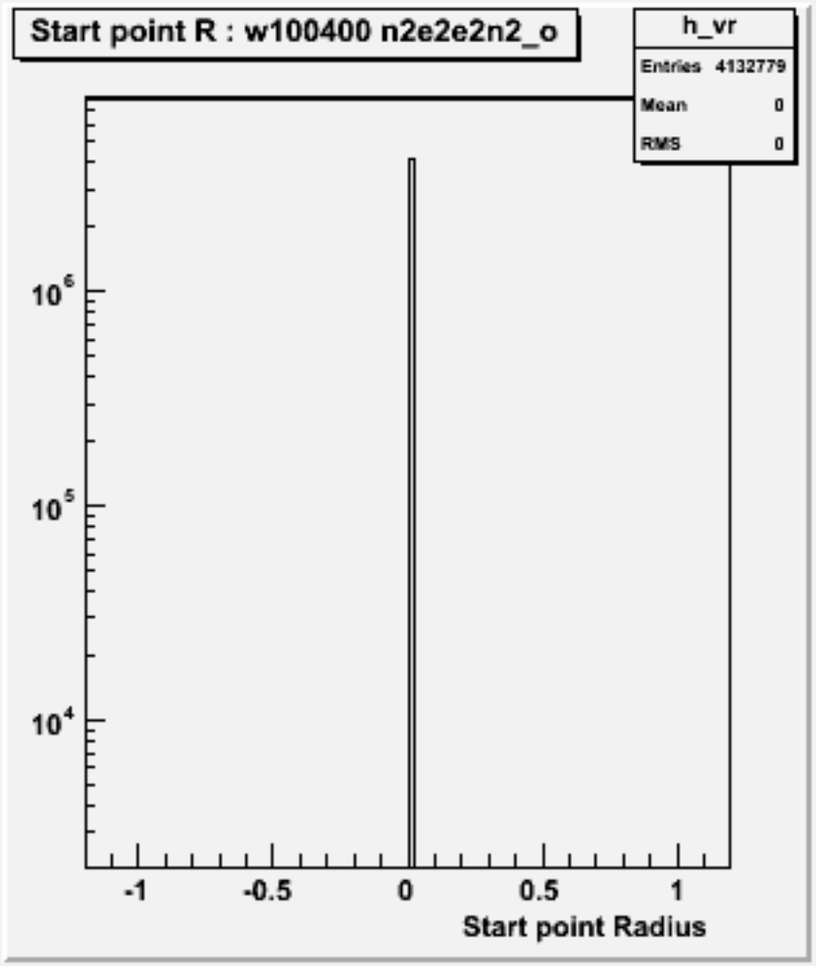
w100397 n2e2e1n1_o : There are no 4-jets

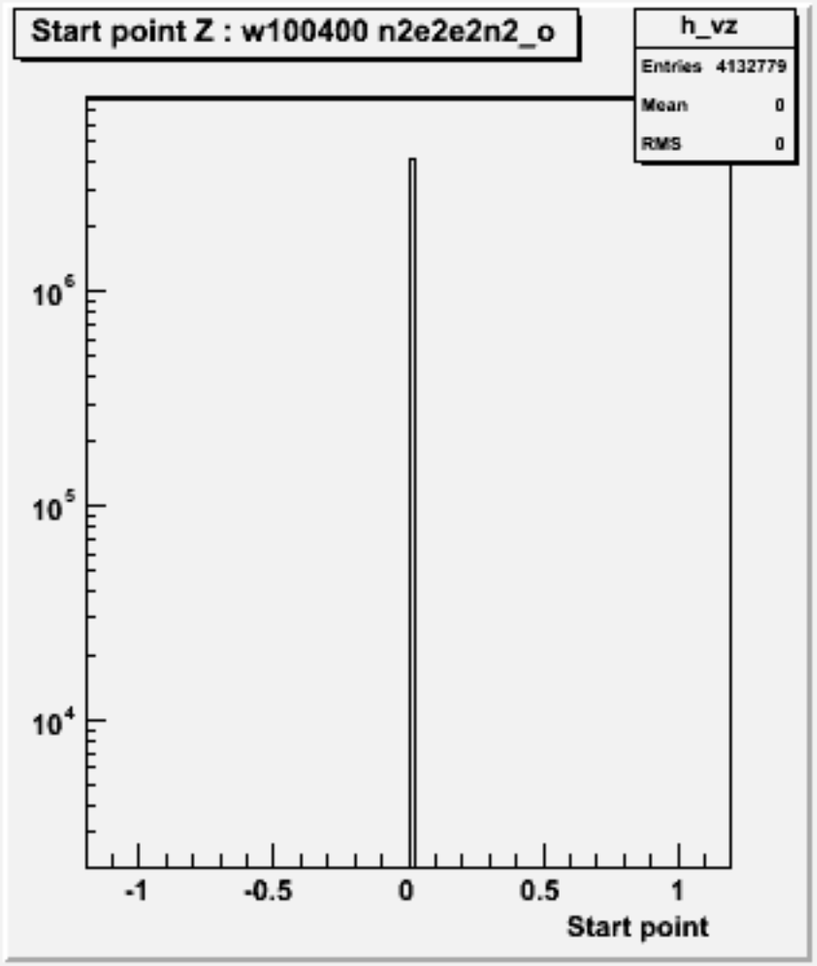

Particle ID : w100400 n2e2e2n2_o
h_id
Entries 4132779
Mean 9.06
RMS 14.99
10^6
-15 -10 -5 0 5 10 15 20 25
Particle ID

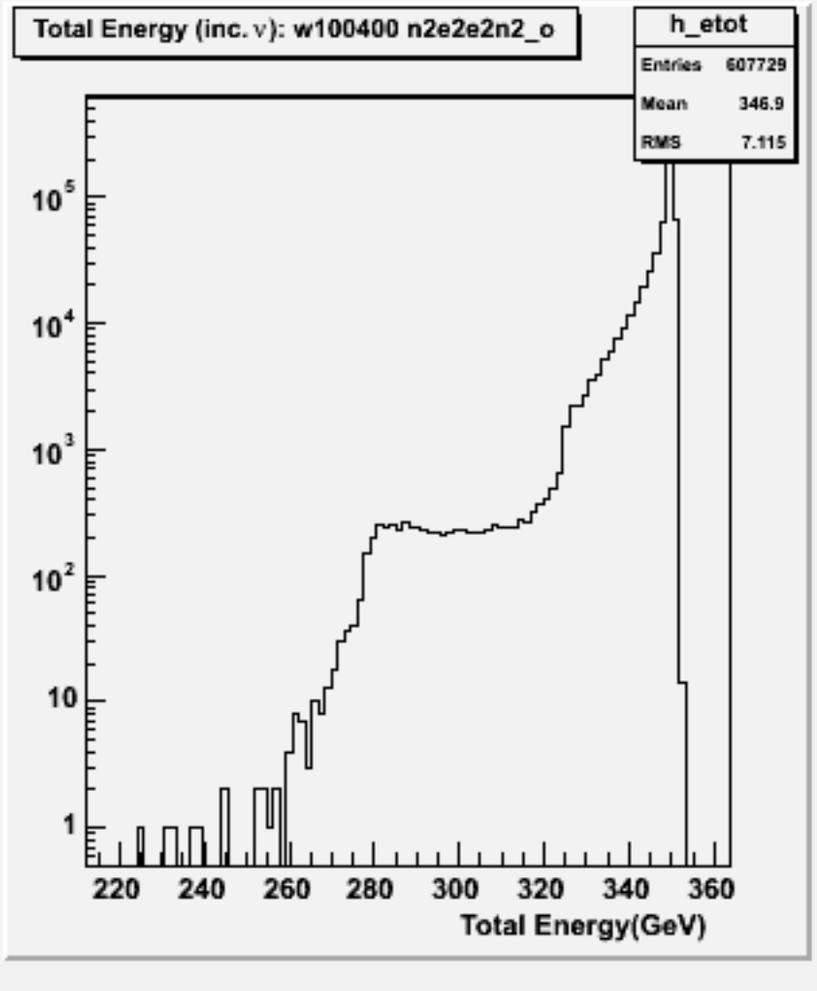

Particle Energy : w100400 n2e2e2n2_o
h_e
Entries 4132779
Mean 51.02
RMS 52.69
10^6
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

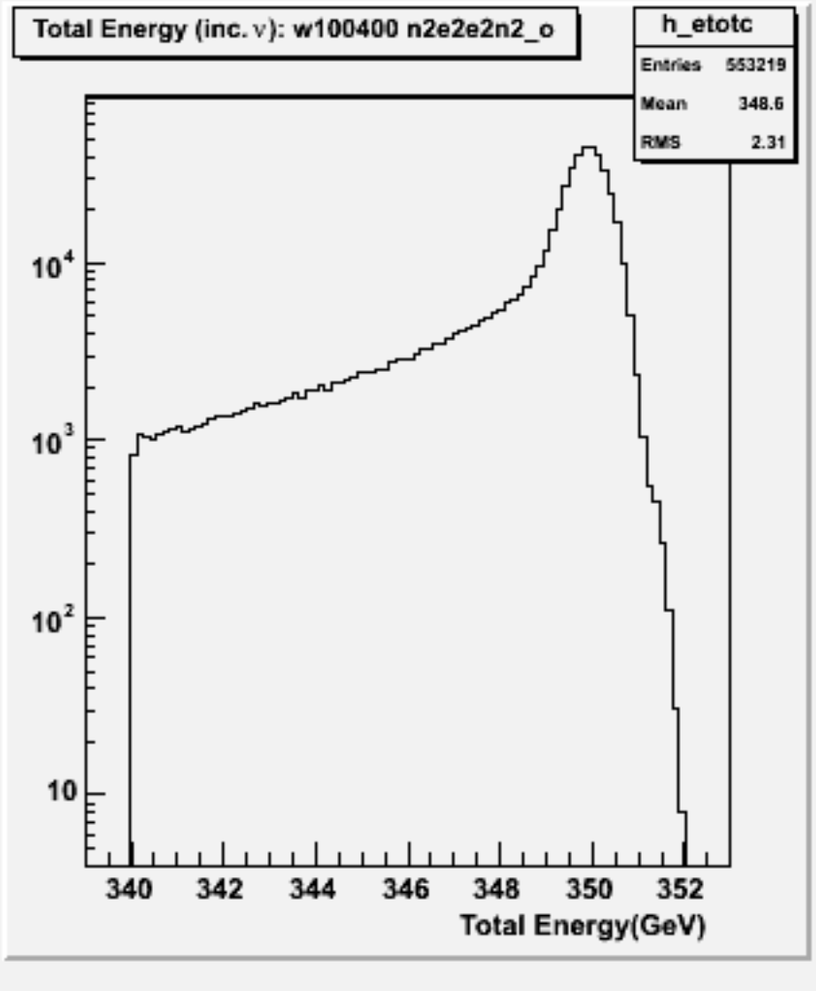

Particle Pt : w100400 n2e2e2n2_o
h_pt
Entries 4132779
Mean 28.56
RMS 33.12
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

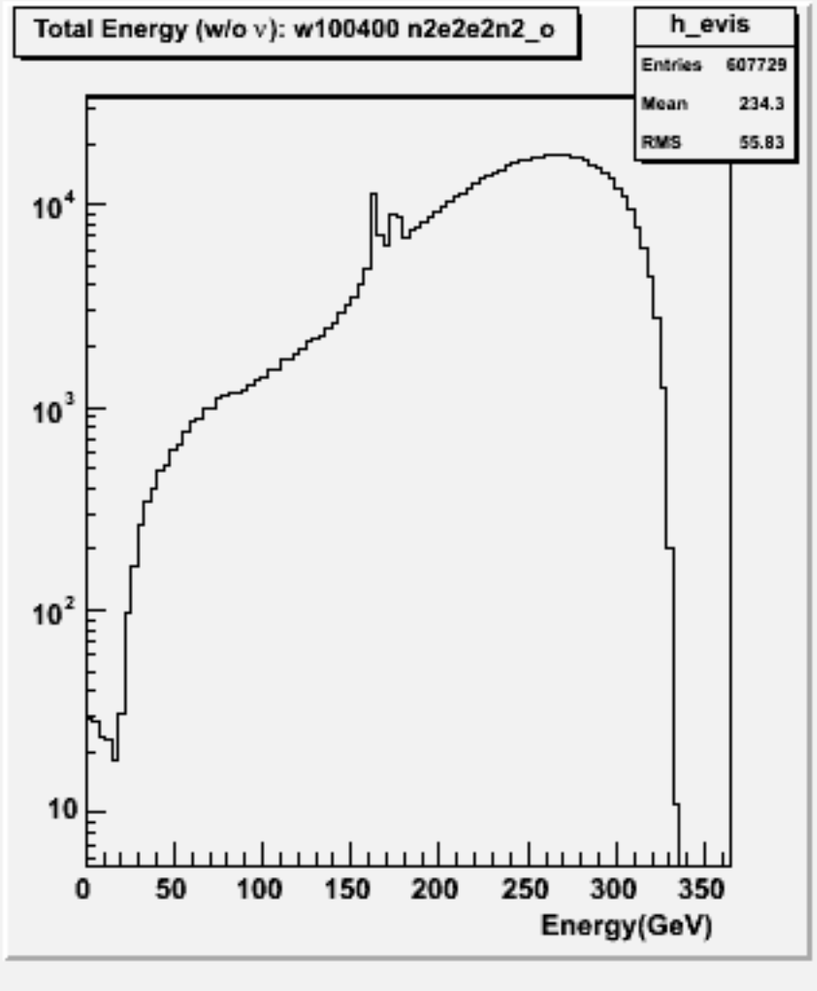

Particle cos θ : w100400 n2e2e2n2_o
h_cs
Entries 4132779
Mean 0.03187
RMS 0.8009
10^6
10^5
10^4
-1 -0.5 0 0.5 1
cos θ

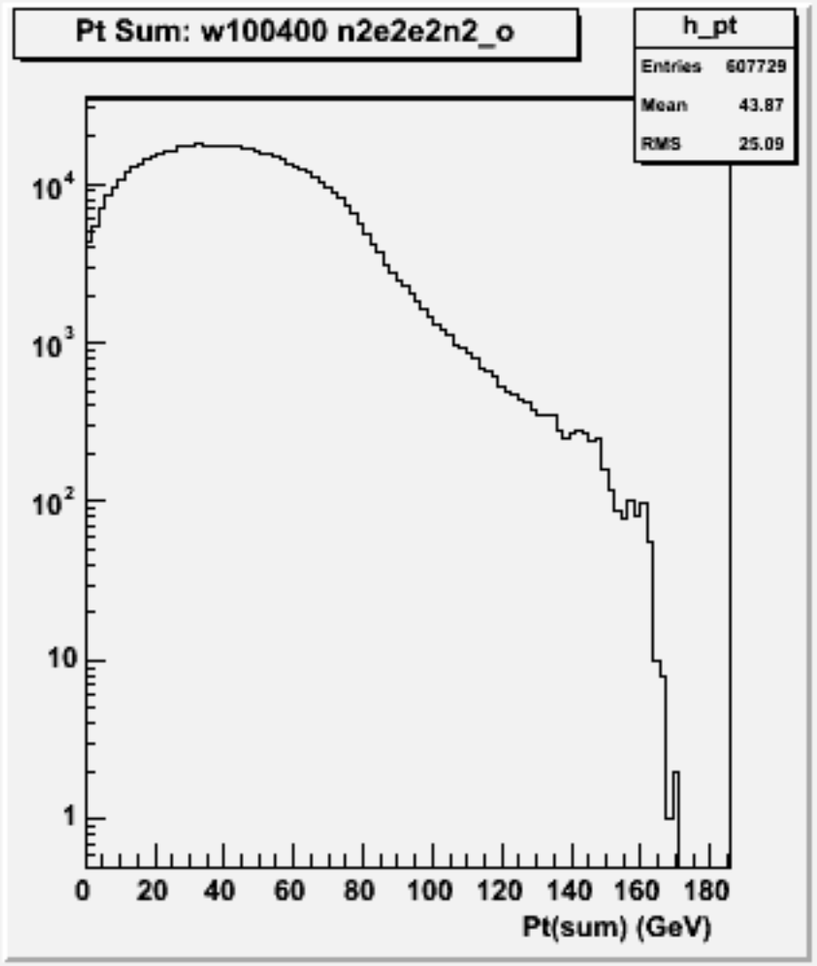

Start point R : w100400 n2e2e2n2_o
h_vr
Entries 4132779
Mean 0
RMS 0
10^6
10^5
10^4
-1 -0.5 0 0.5 1
Start point Radius

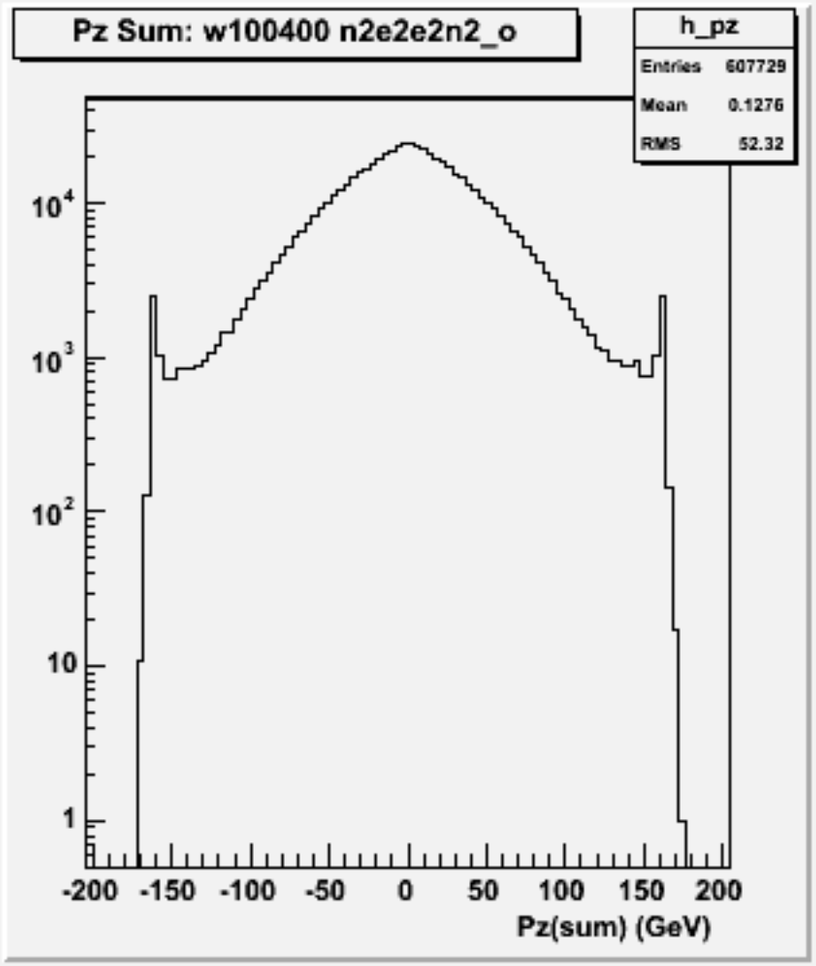

Start point Z : w100400 n2e2e2n2_o
h_vz
Entries 4132779
Mean 0
RMS 0
10^6
10^5
10^4
-1 -0.5 0 0.5 1
Start point

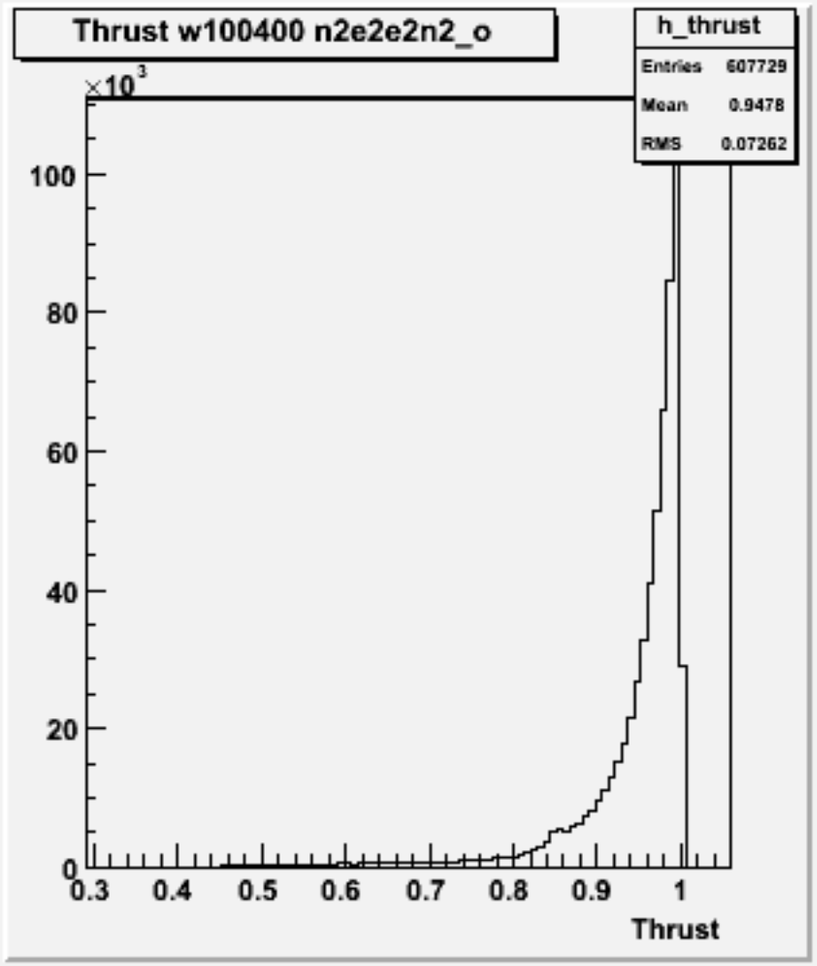

Total Energy (inc. ν): w100400 n2e2e2n2_o
h_etot
Entries 607729
Mean 346.9
RMS 7.115
Total Energy(GeV)

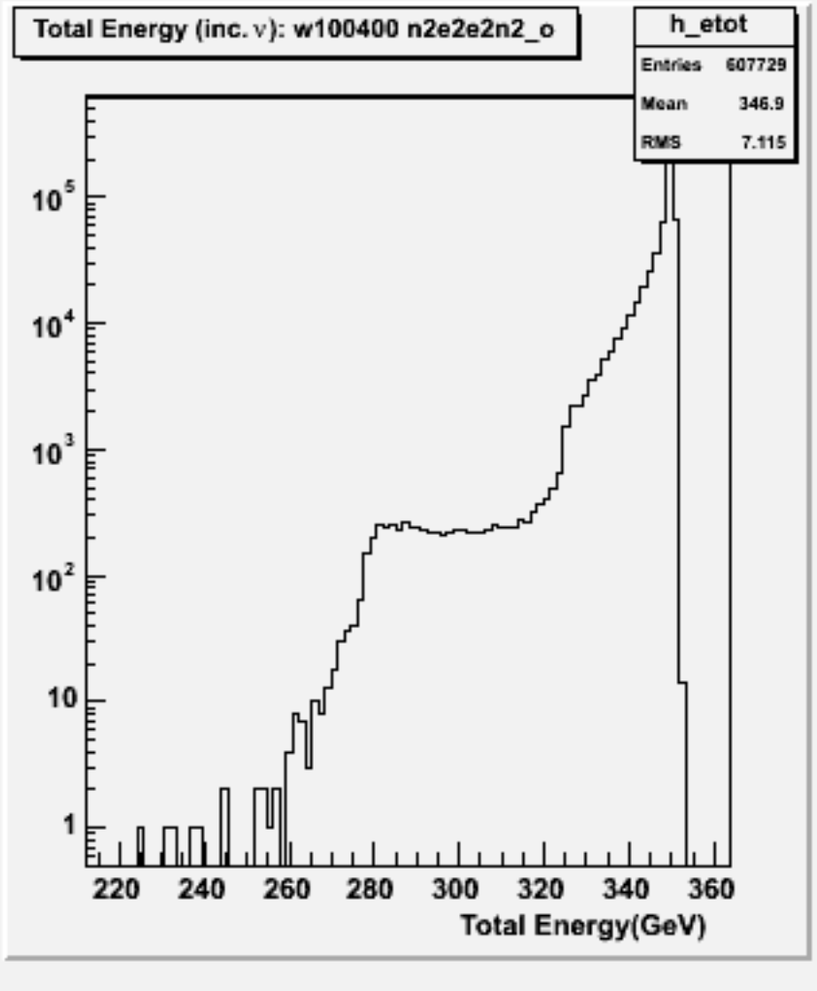

Total Energy (inc. ν): w100400 n2e2e2n2_o
h_etotc
Entries 553219
Mean 348.6
RMS 2.31
Total Energy(GeV)

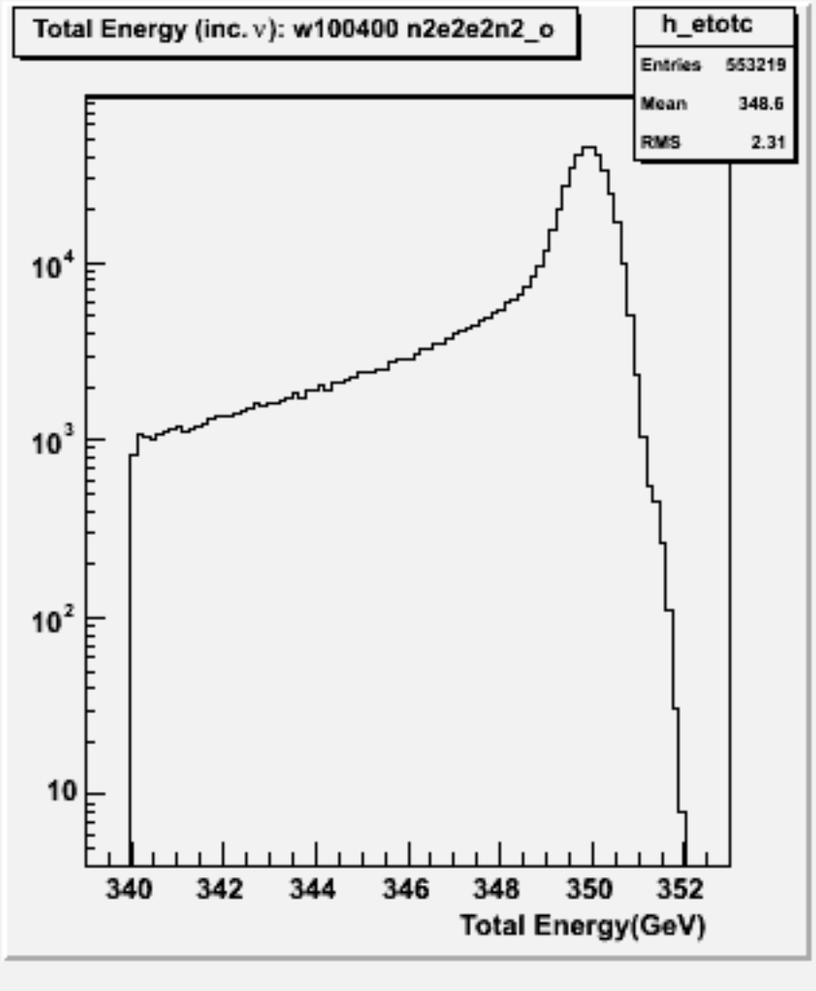

Total Energy (w/o ν): w100400 n2e2e2n2_o
h_evis
Entries 607729
Mean 234.3
RMS 55.83
Energy(GeV)

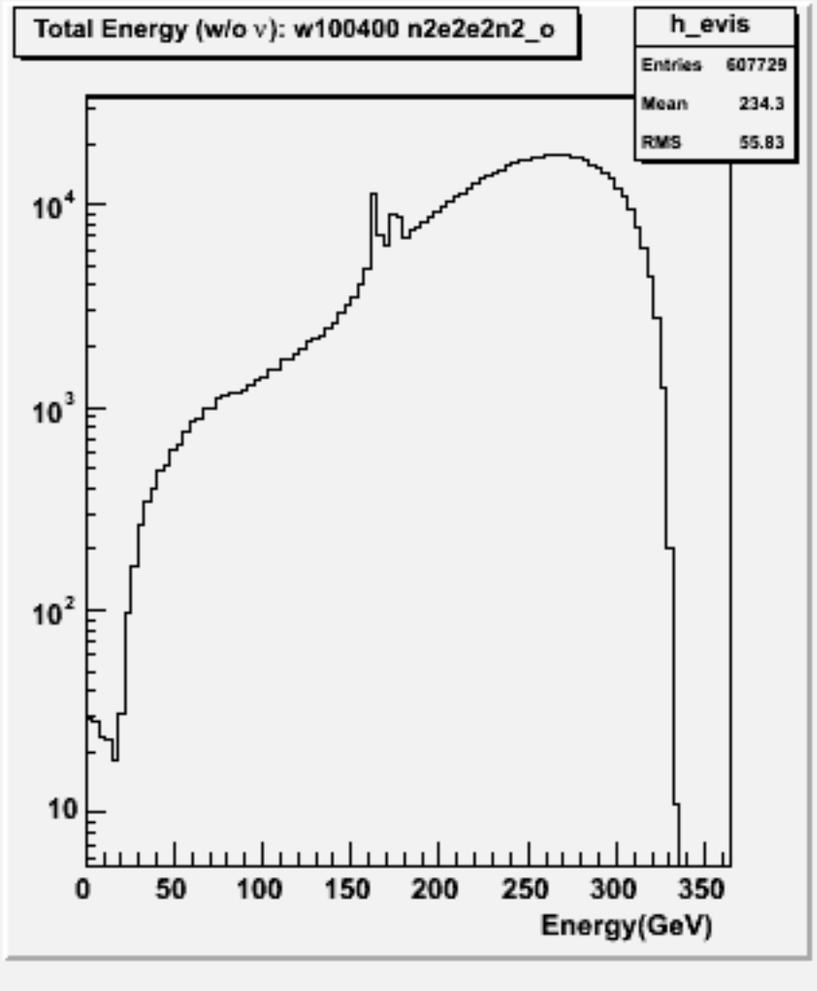

Pt Sum: w100400 n2e2e2n2_o
h_pt
Entries 607729
Mean 43.87
RMS 25.09
Pt(sum) (GeV)

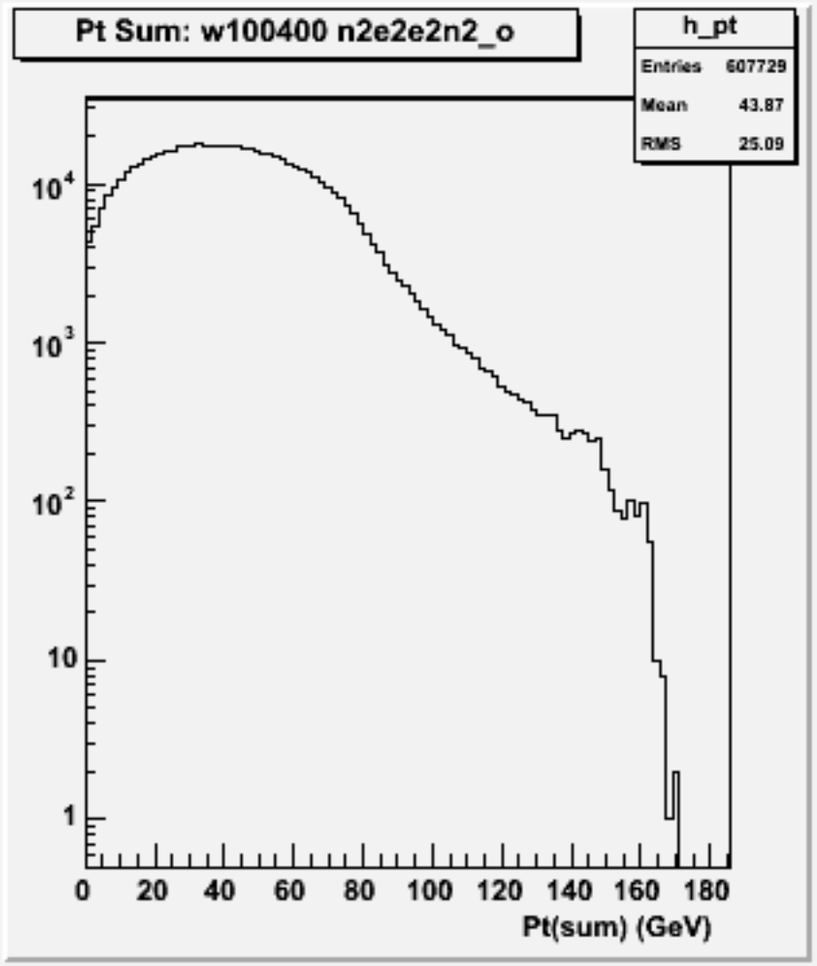

Pz Sum: w100400 n2e2e2n2_o
h_pz
Entries 607729
Mean 0.1276
RMS 52.32
Pz(sum) (GeV)

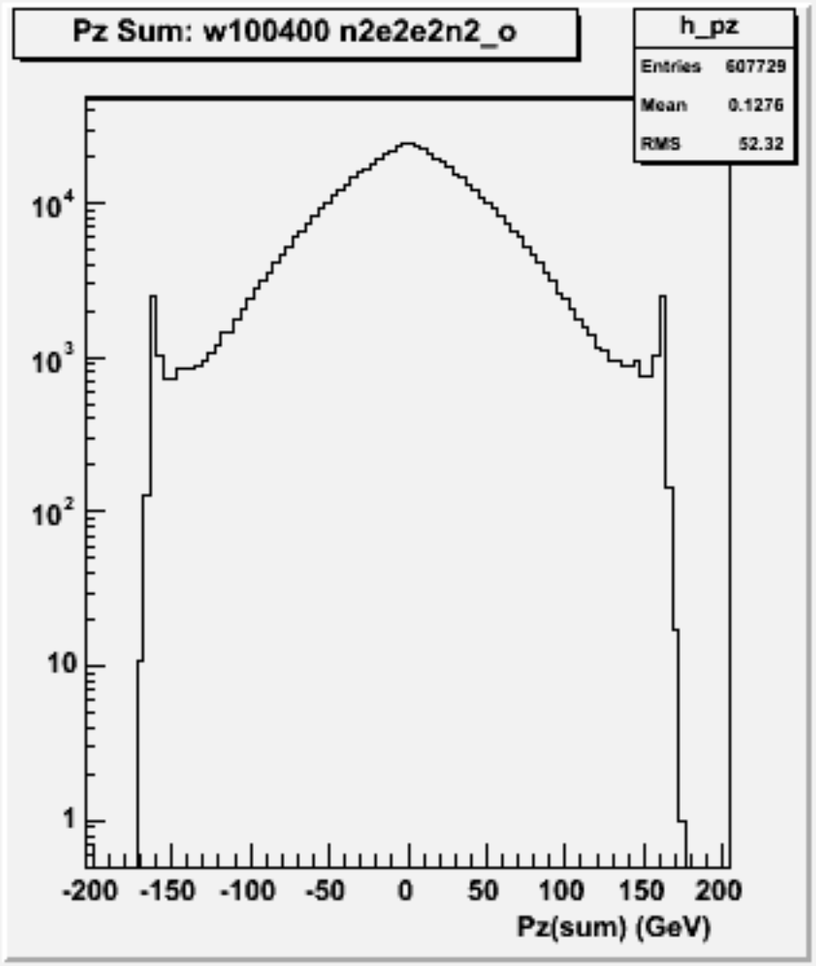

Thrust w100400 n2e2e2n2_o
h_thrust
Entries 607729
Mean 0.9478
RMS 0.07262
Thrust

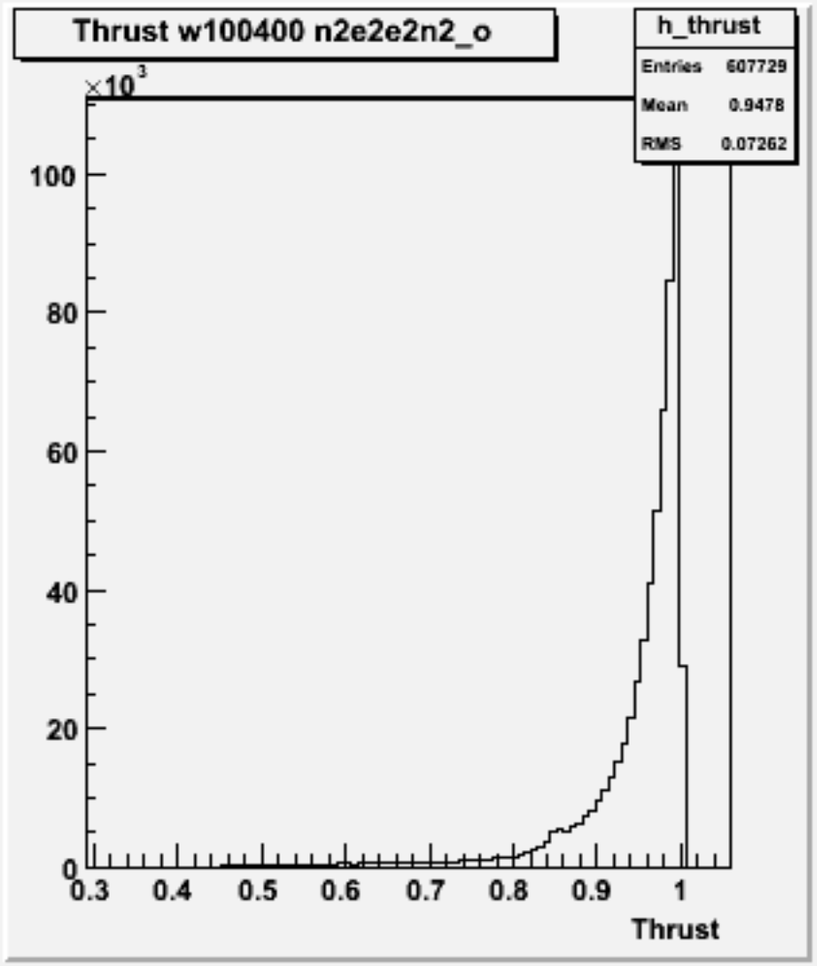

Total Energy (inc. ν): w100400 n2e2e2n2_o
h_etot
Entries 607729
Mean 346.9
RMS 7.115
Total Energy(GeV)

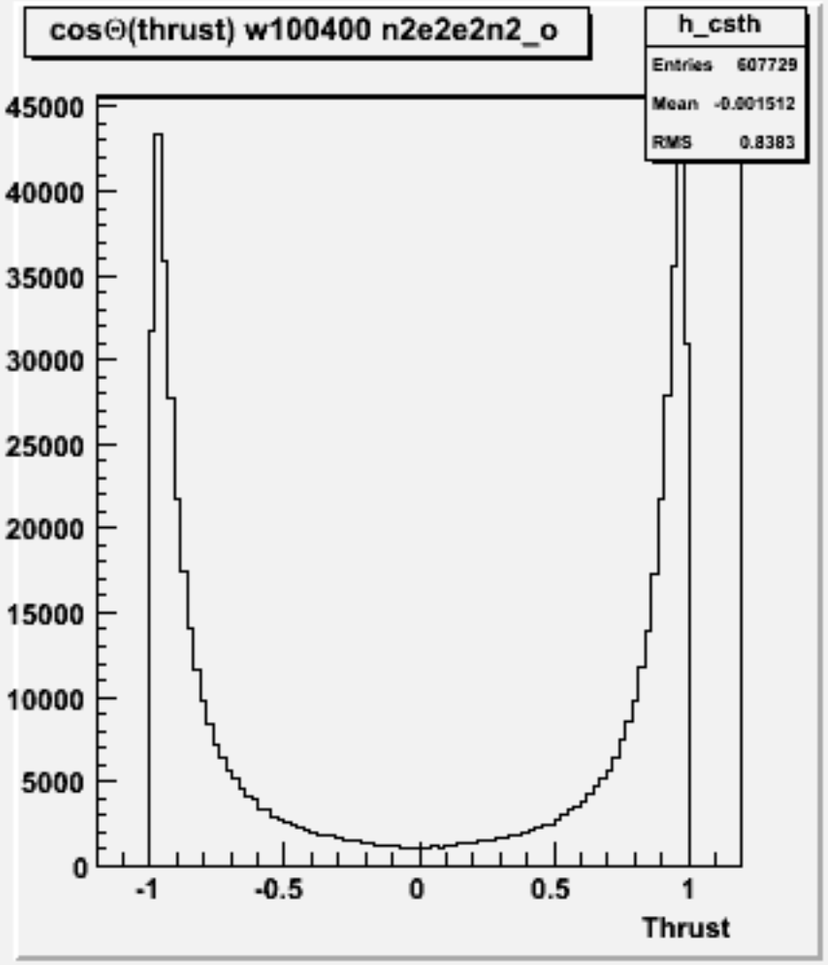

Total Energy (inc. ν): w100400 n2e2e2n2_o
h_etotc
Entries 553219
Mean 348.6
RMS 2.31
Total Energy(GeV)

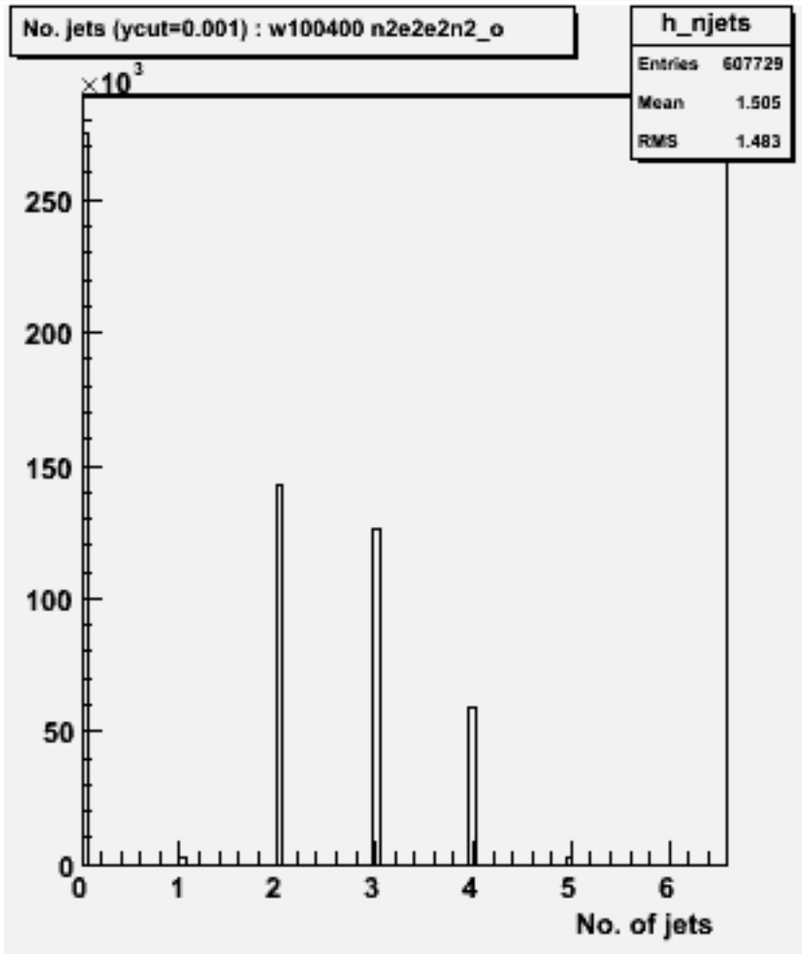

Total Energy (w/o ν): w100400 n2e2e2n2_o
h_evis
Entries 607729
Mean 234.3
RMS 55.83
Energy(GeV)

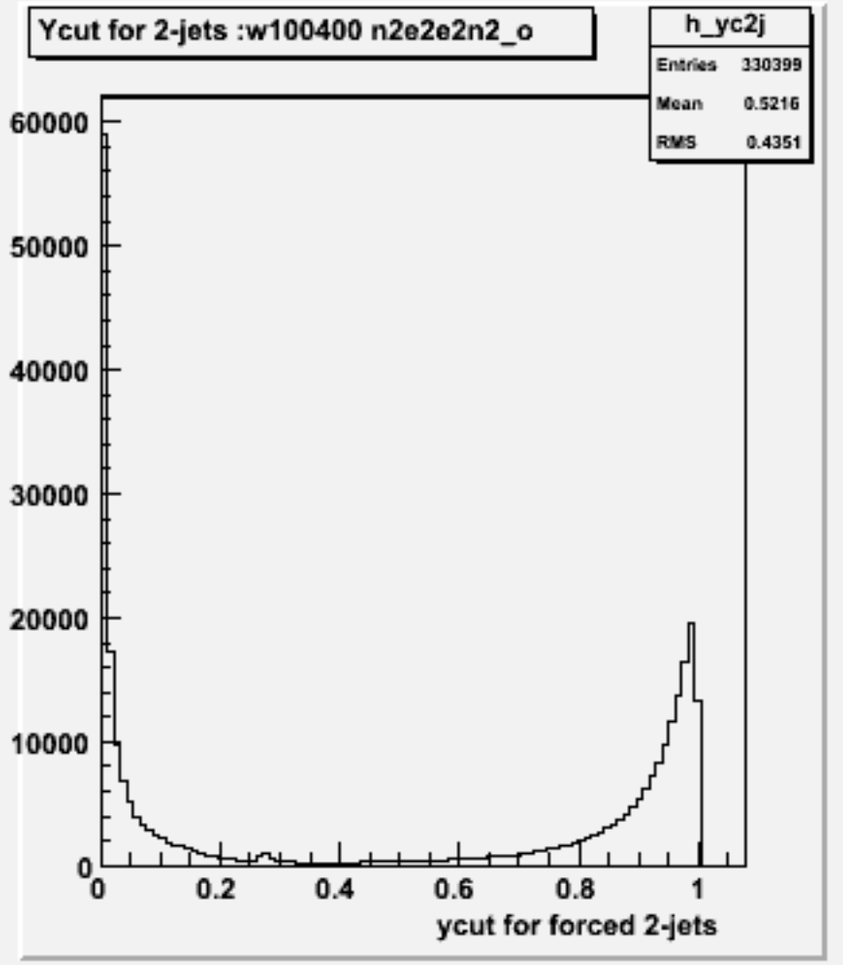

Pt Sum: w100400 n2e2e2n2_o
h_pt
Entries 607729
Mean 43.87
RMS 25.09
Pt(sum) (GeV)

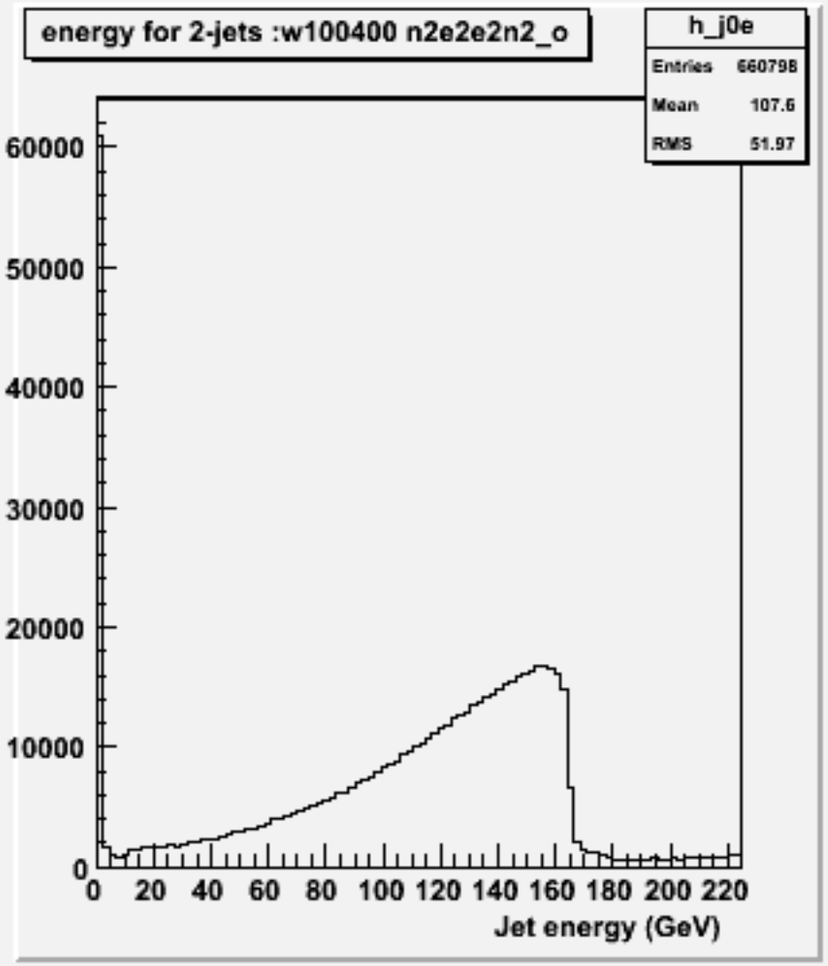

Pz Sum: w100400 n2e2e2n2_o
h_pz
Entries 607729
Mean 0.1276
RMS 52.32
Pz(sum) (GeV)

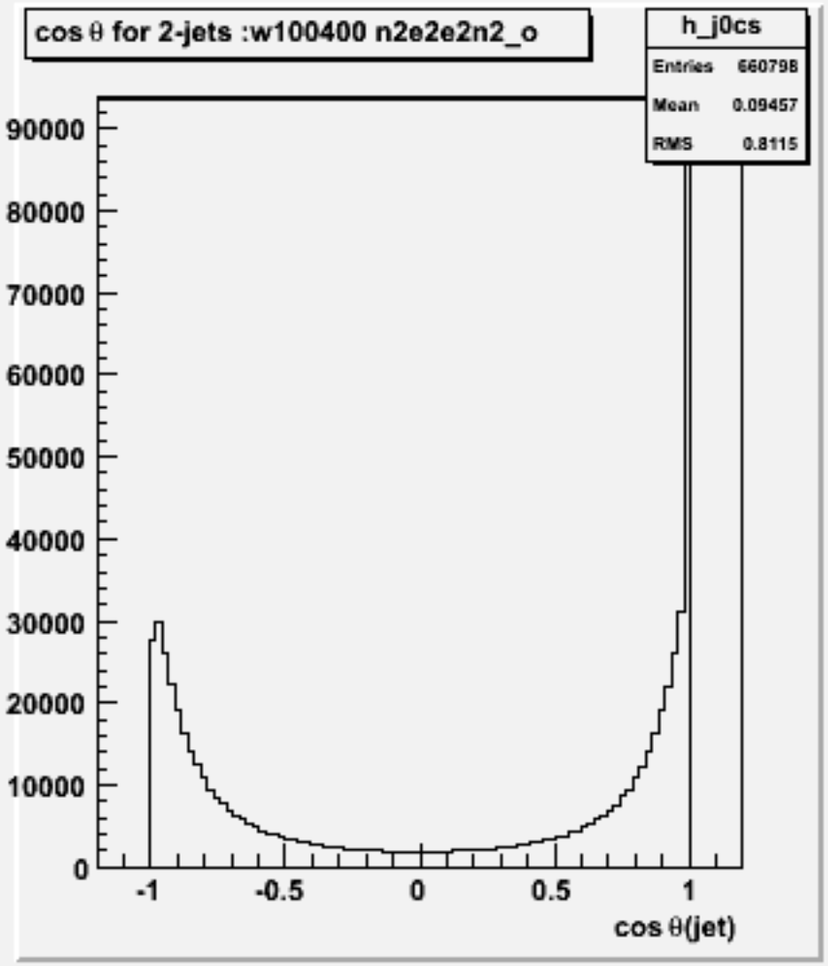

Thrust w100400 n2e2e2n2_o
h_thrust
Entries 607729
Mean 0.9478
RMS 0.07262
Thrust

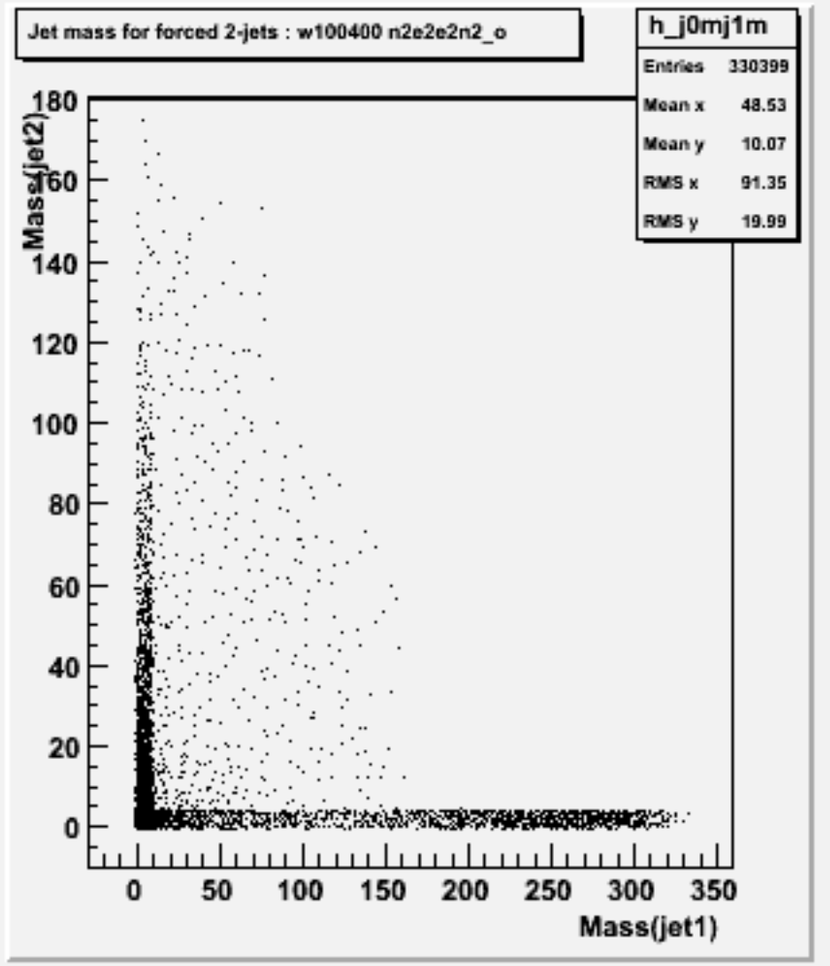

cosΘ(thrust) w100400 n2e2e2n2_o
h_csth
Entries 607729
Mean -0.001512
RMS 0.8383
Thrust

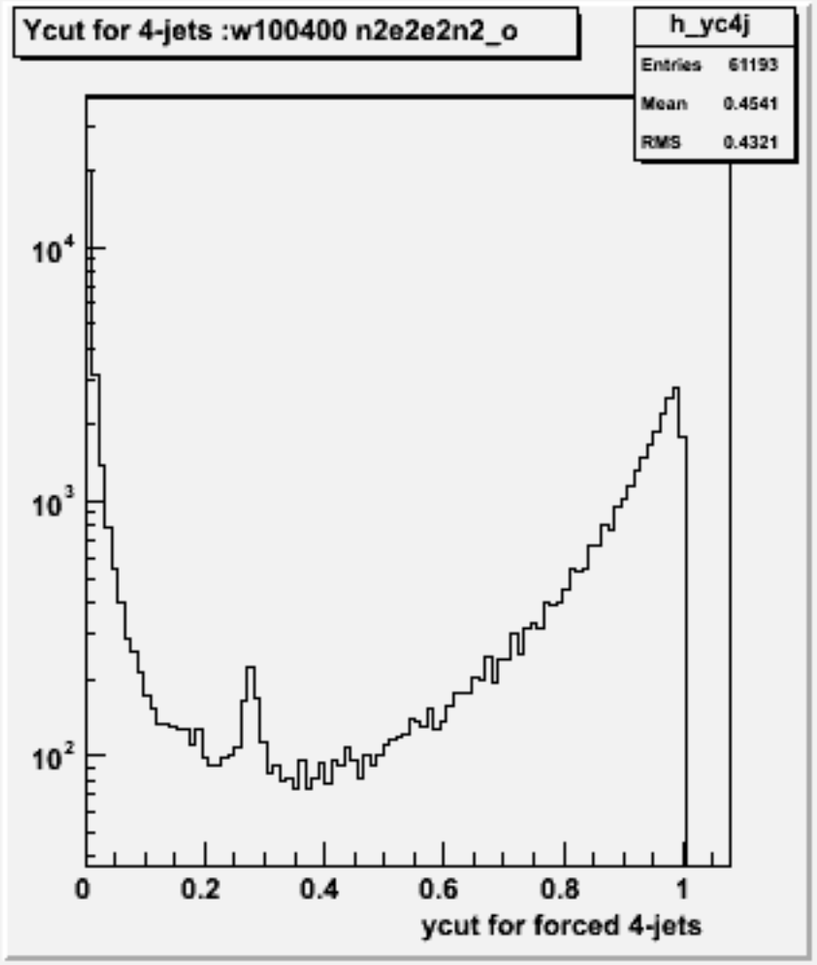

No. jets (ycut=0.001) : w100400 n2e2e2n2_o
h_njets
Entries 607729
Mean 1.505
RMS 1.483
No. of jets

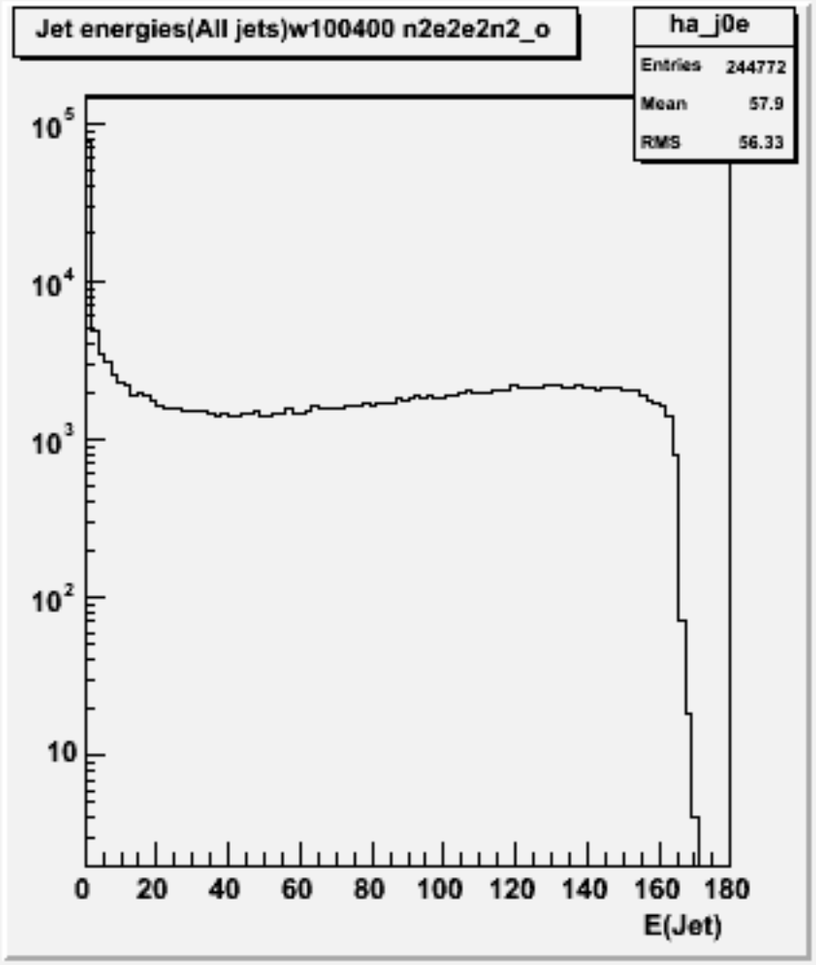

Ycut for 2-jets :w100400 n2e2e2n2_o
h_yc2j
Entries 330399
Mean 0.5216
RMS 0.4351
ycut for forced 2-jets

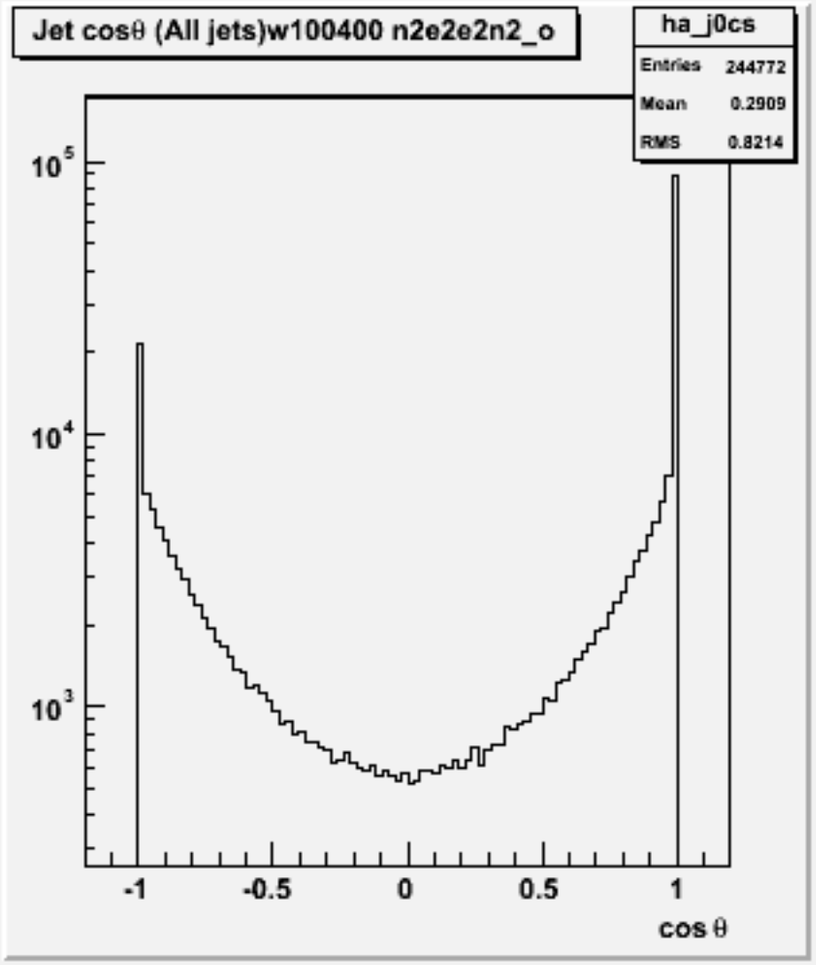

energy for 2-jets :w100400 n2e2e2n2_o
h_j0e
Entries 660798
Mean 107.6
RMS 51.97
Jet energy (GeV)

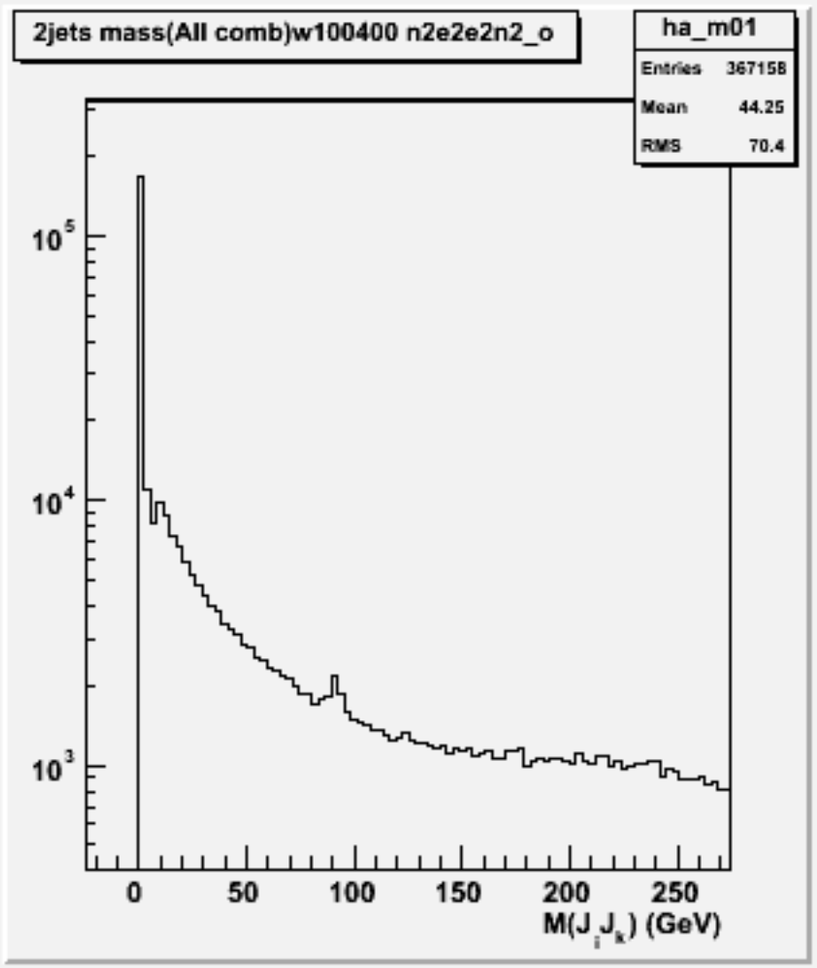

cos θ for 2-jets :w100400 n2e2e2n2_o
h_j0cs
Entries 660798
Mean 0.09457
RMS 0.8115
cos θ(jet)

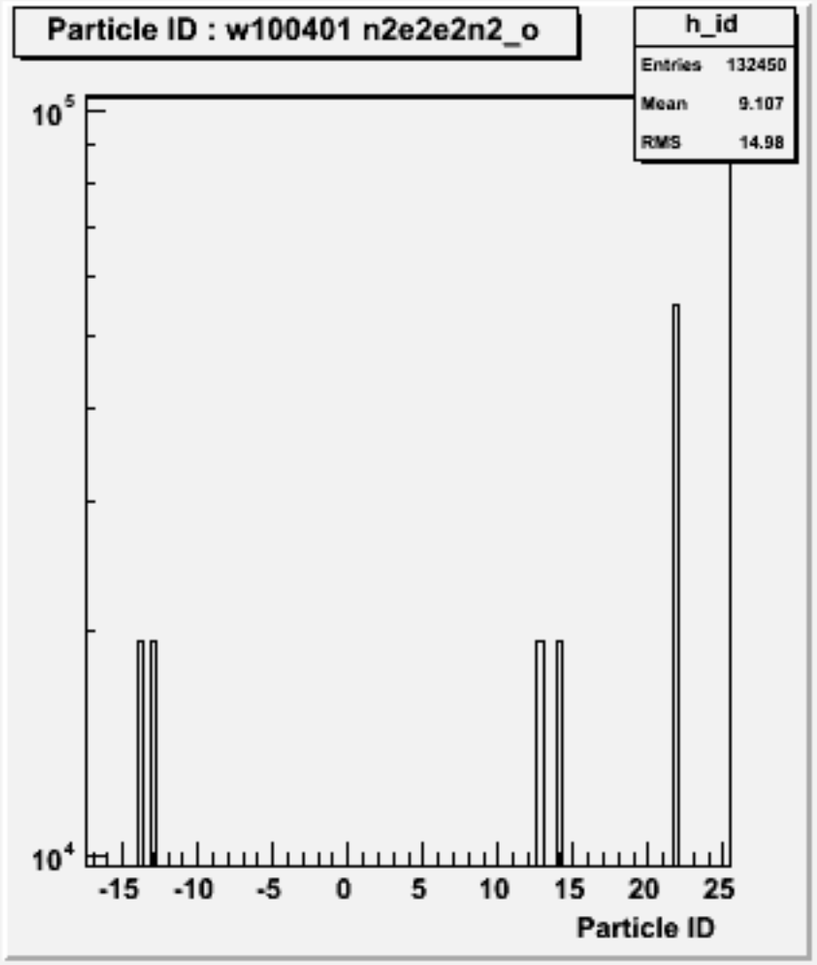

Jet mass for forced 2-jets : w100400 n2e2e2n2_o
h_j0mj1m
Entries 330399
Mean x 48.53
Mean y 10.07
RMS x 91.35
RMS y 19.99
Mass(jet2)
Mass(jet1)

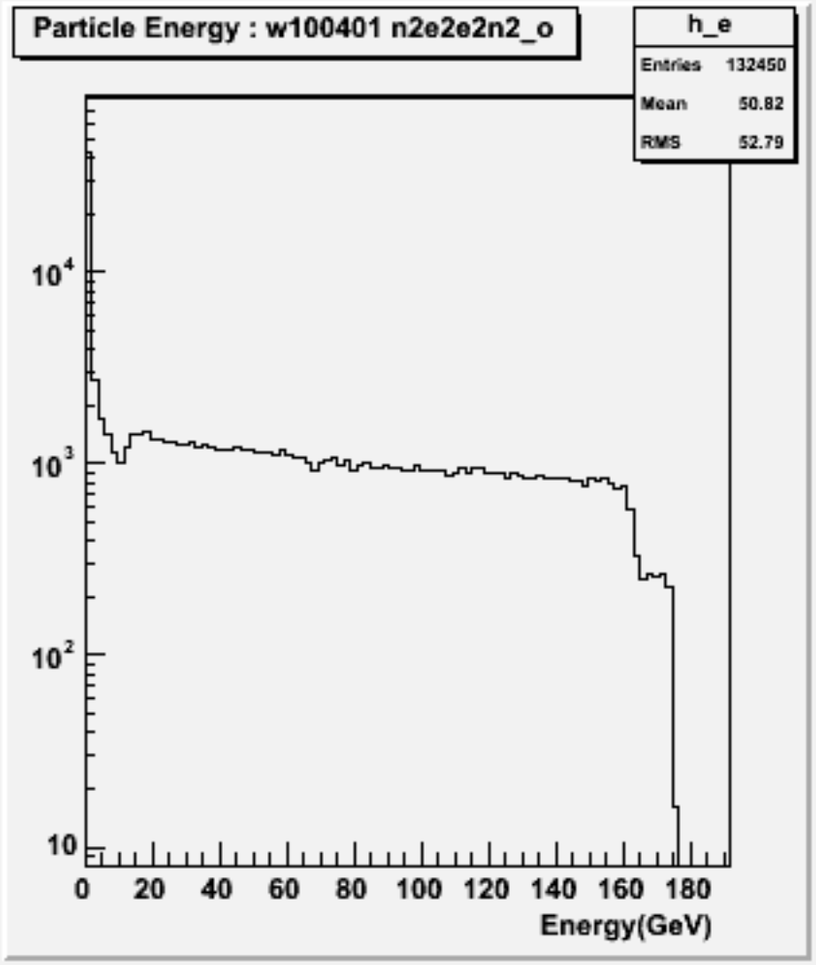

Ycut for 4-jets :w100400 n2e2e2n2_o
h_yc4j
Entries 61193
Mean 0.4541
RMS 0.4321
ycut for forced 4-jets

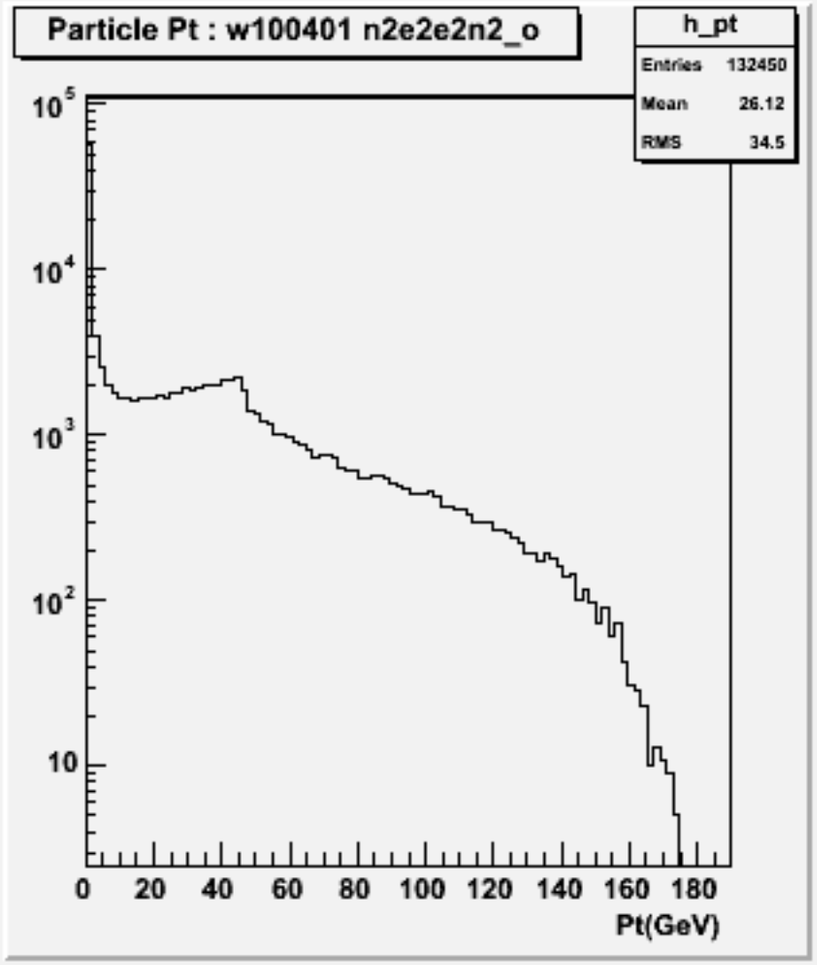

Jet energies(All jets)w100400 n2e2e2n2_o
ha_j0e
Entries 244772
Mean 57.9
RMS 56.33
E(Jet)

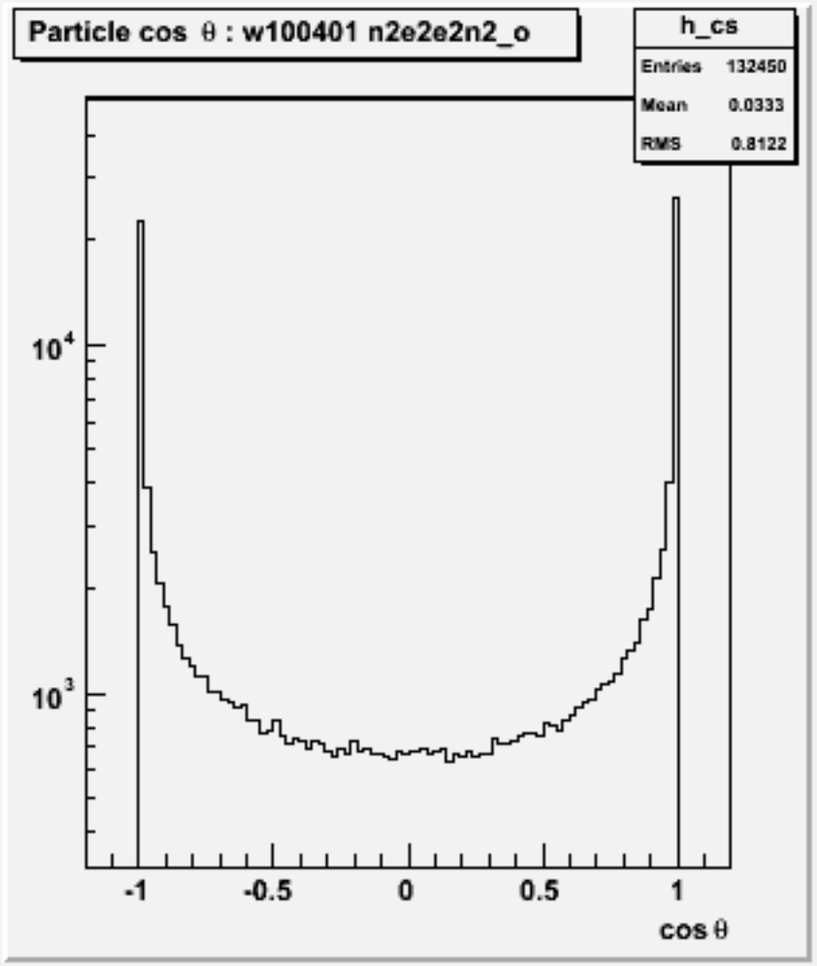

Jet cosθ (All jets)w100400 n2e2e2n2_o
ha_j0cs
Entries 244772
Mean 0.2909
RMS 0.8214
cos θ

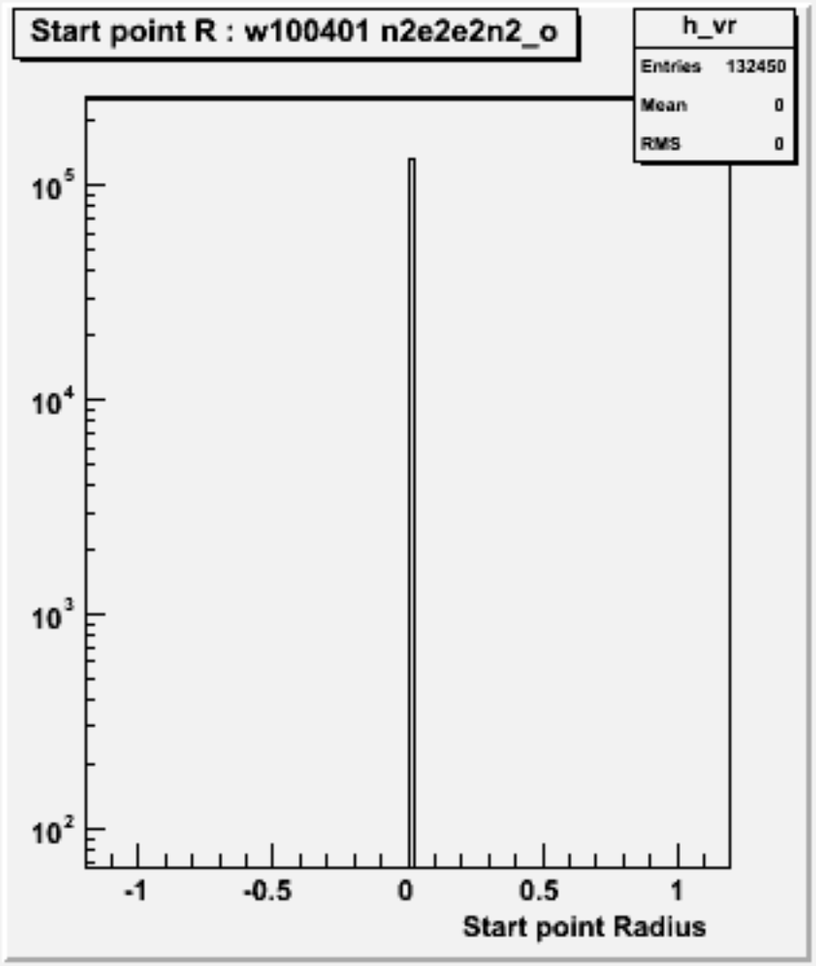

2jets mass(All comb)w100400 n2e2e2n2_o
ha_m01
Entries 367158
Mean 44.25
RMS 70.4
M(J_iJ_k) (GeV)

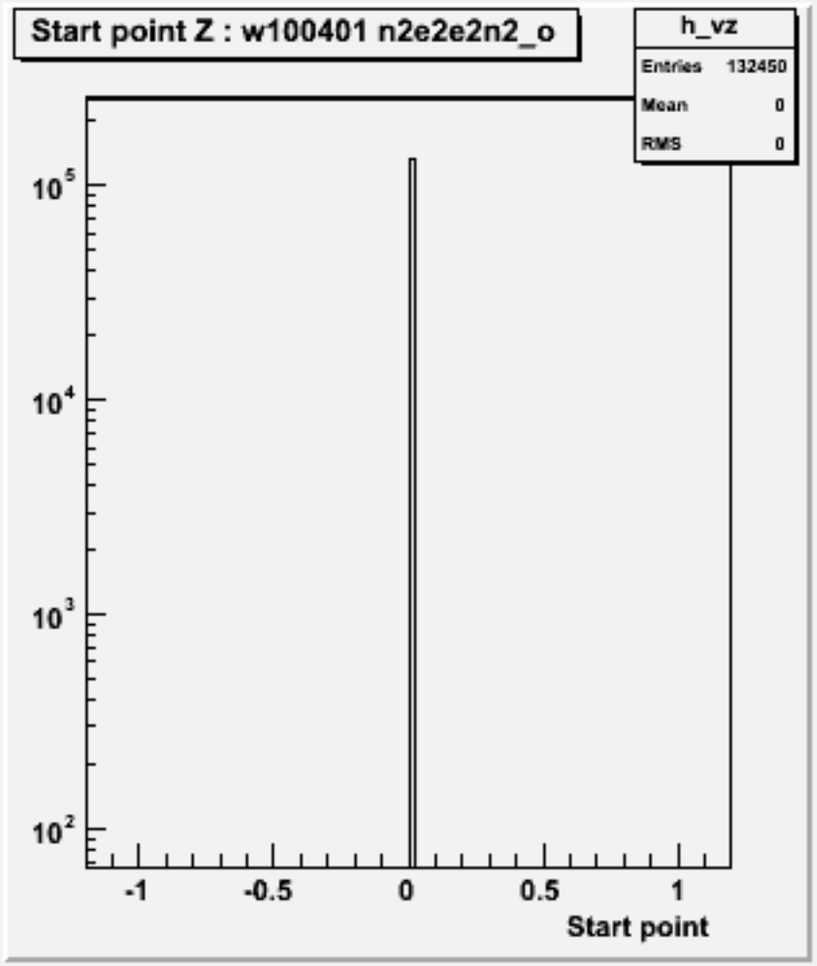

Particle ID : w100401 n2e2e2n2_o
h_id
Entries 132450
Mean 9.107
RMS 14.98
Particle ID

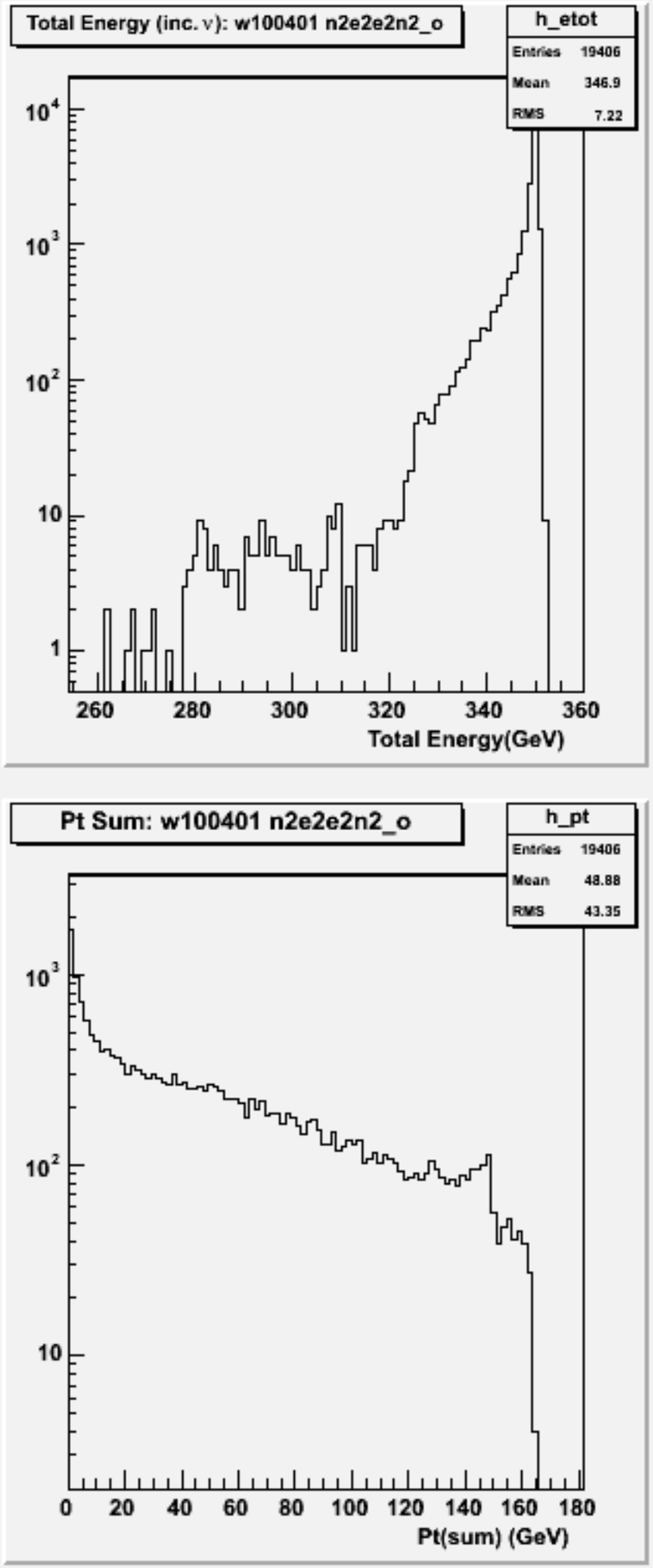

Particle Energy : w100401 n2e2e2n2_o
h_e
Entries 132450
Mean 50.82
RMS 52.79
Energy(GeV)

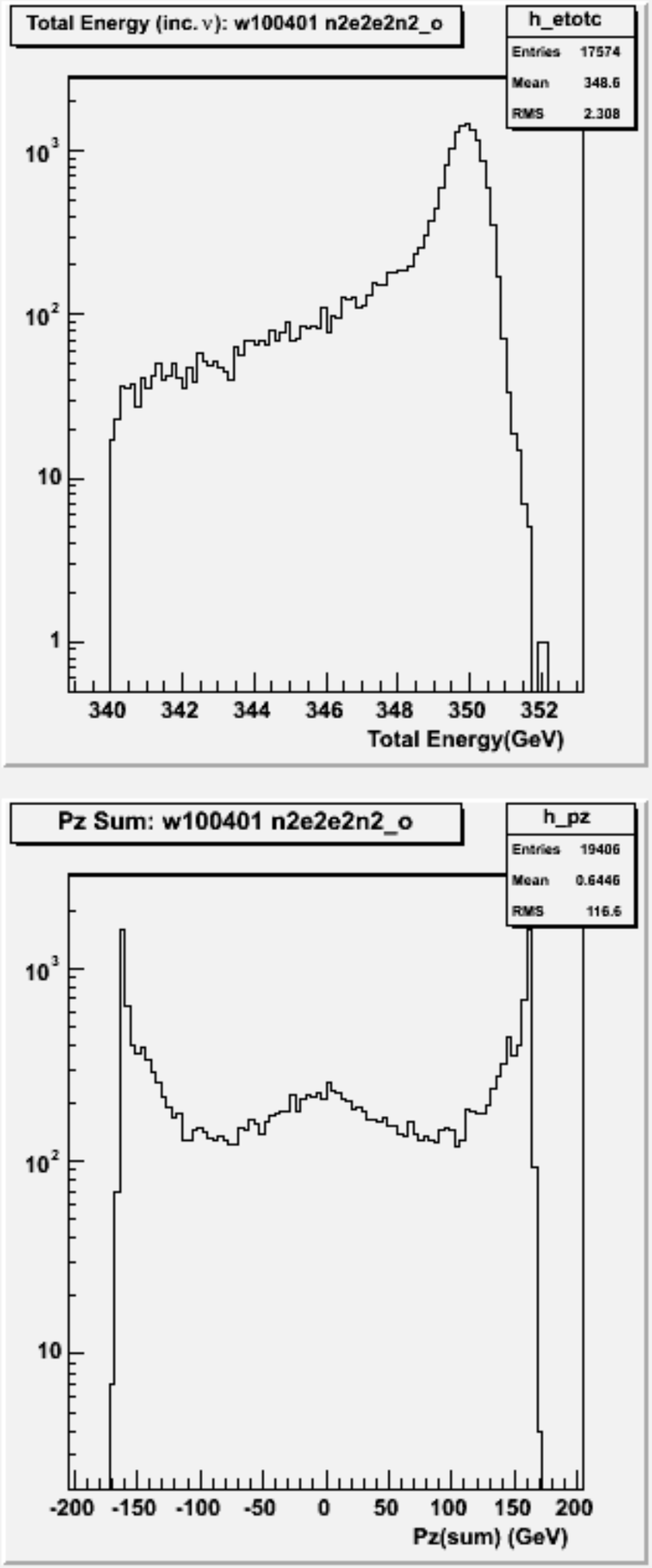

Particle Pt : w100401 n2e2e2n2_o
h_pt
Entries 132450
Mean 26.12
RMS 34.5
Pt(GeV)

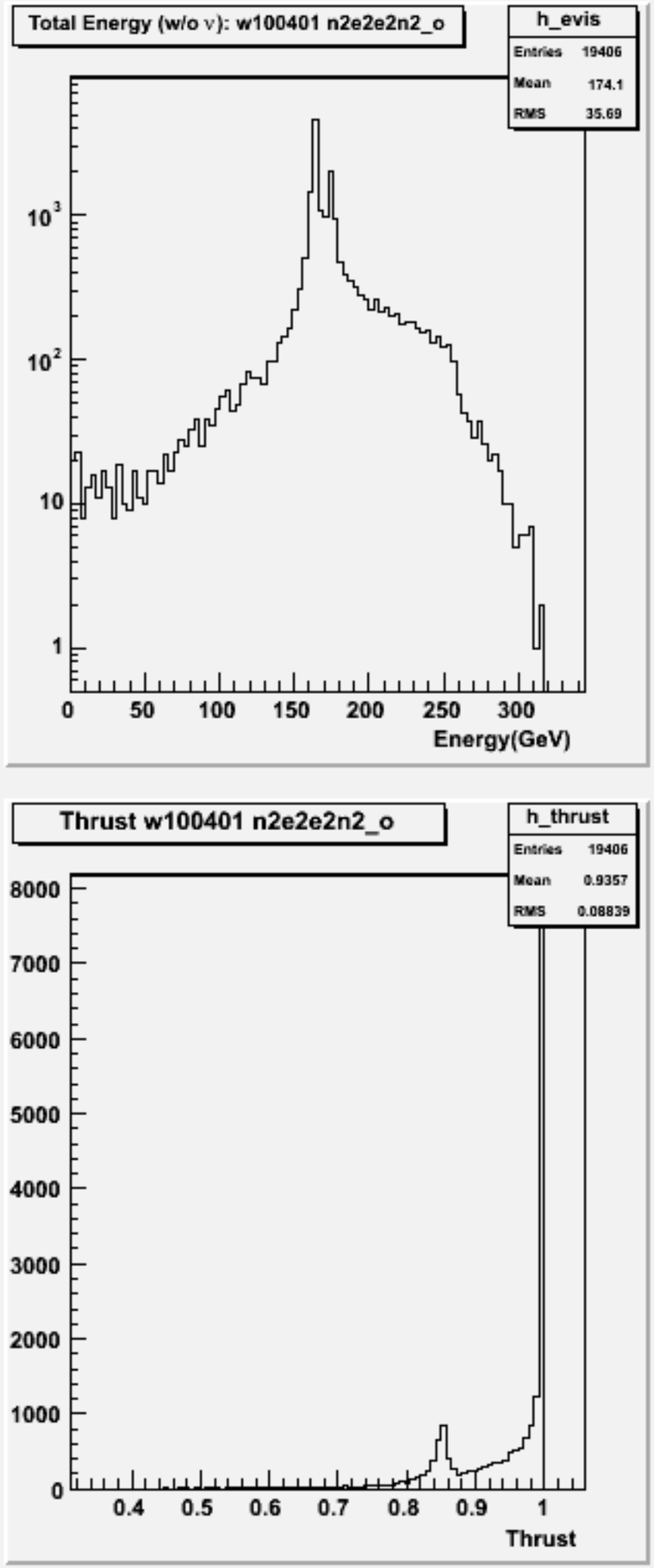

Particle cos θ : w100401 n2e2e2n2_o
h_cs
Entries 132450
Mean 0.0333
RMS 0.8122
cos θ


Start point R : w100401 n2e2e2n2_o
h_vr
Entries 132450
Mean 0
RMS 0
Start point Radius


Start point Z : w100401 n2e2e2n2_o
h_vz
Entries 132450
Mean 0
RMS 0
Start point


Total Energy (inc. ν): w100401 n2e2e2n2_o
h_etot
Entries 19406
Mean 346.9
RMS 7.22
Total Energy(GeV)

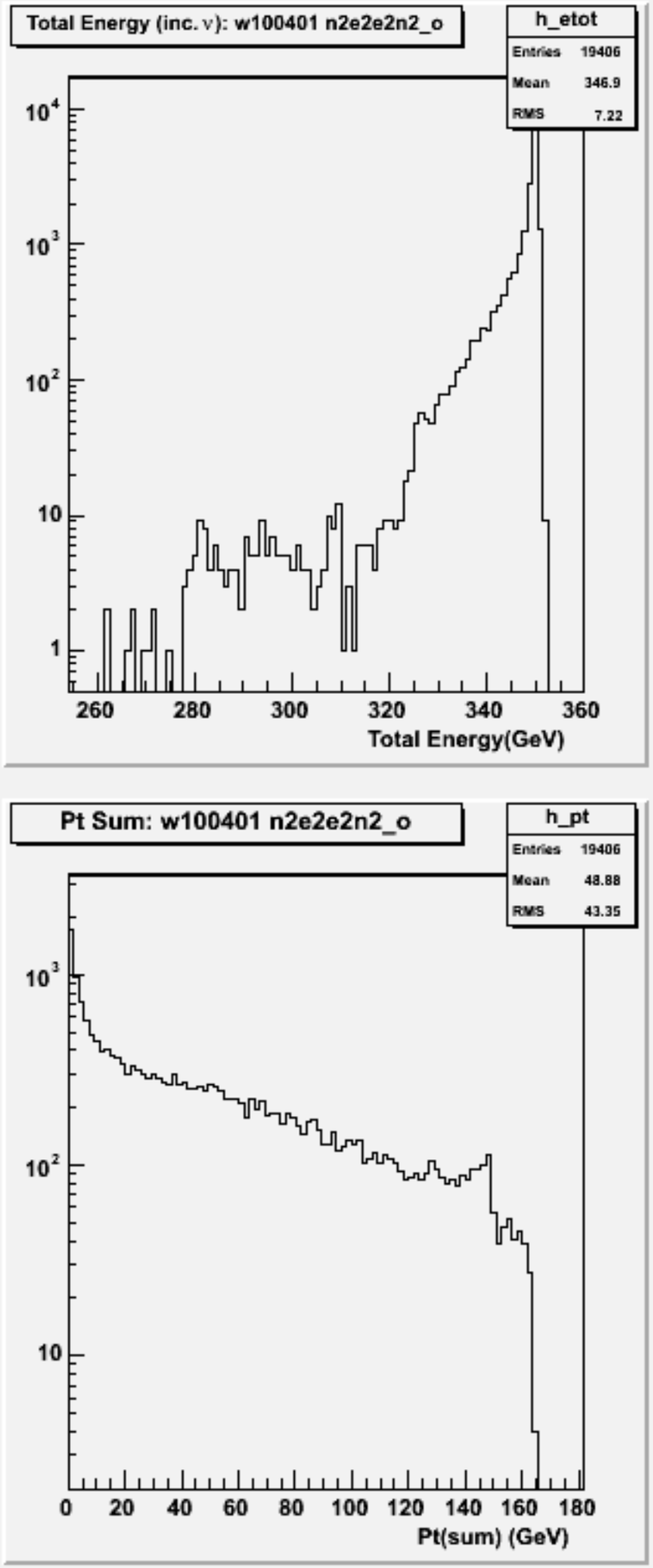

Total Energy (inc. ν): w100401 n2e2e2n2_o
h_etotc
Entries 17574
Mean 348.6
RMS 2.308
Total Energy(GeV)

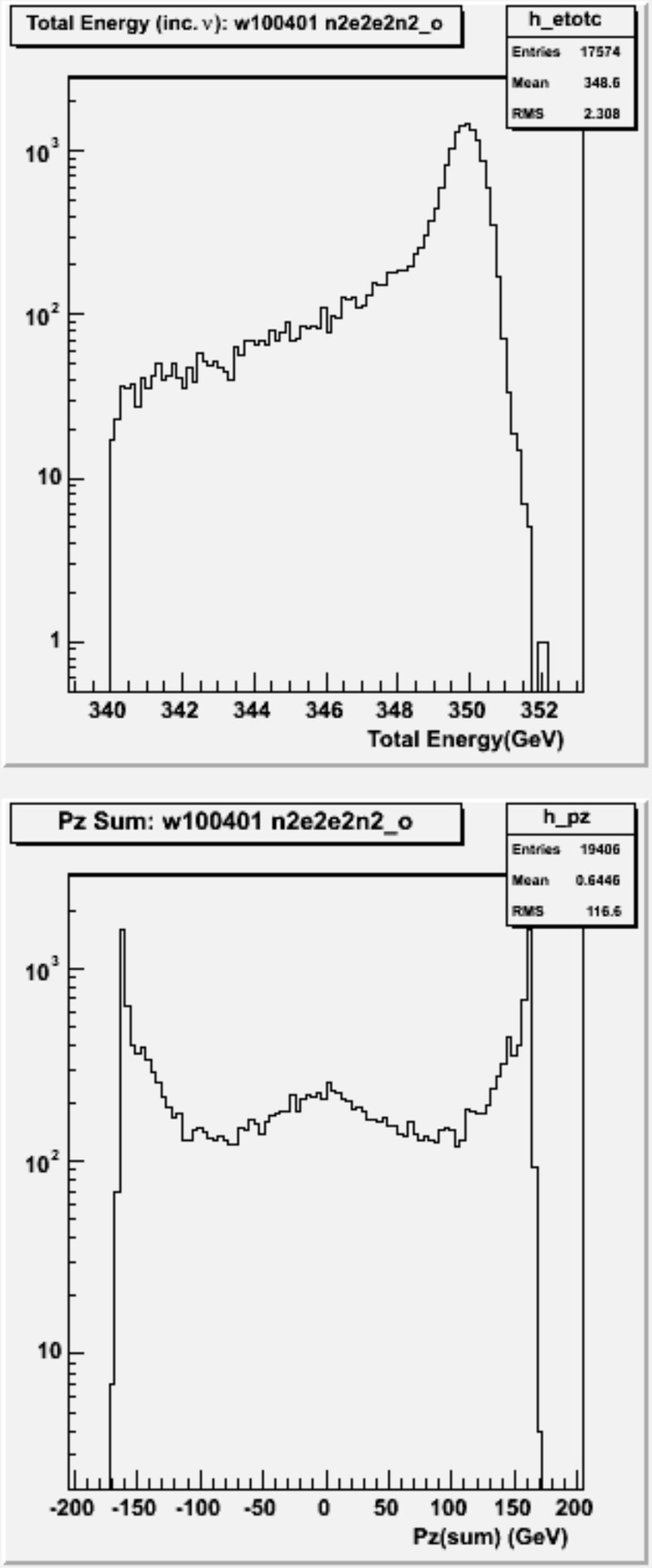

Total Energy (w/o ν): w100401 n2e2e2n2_o
h_evis
Entries 19406
Mean 174.1
RMS 35.69
Energy(GeV)

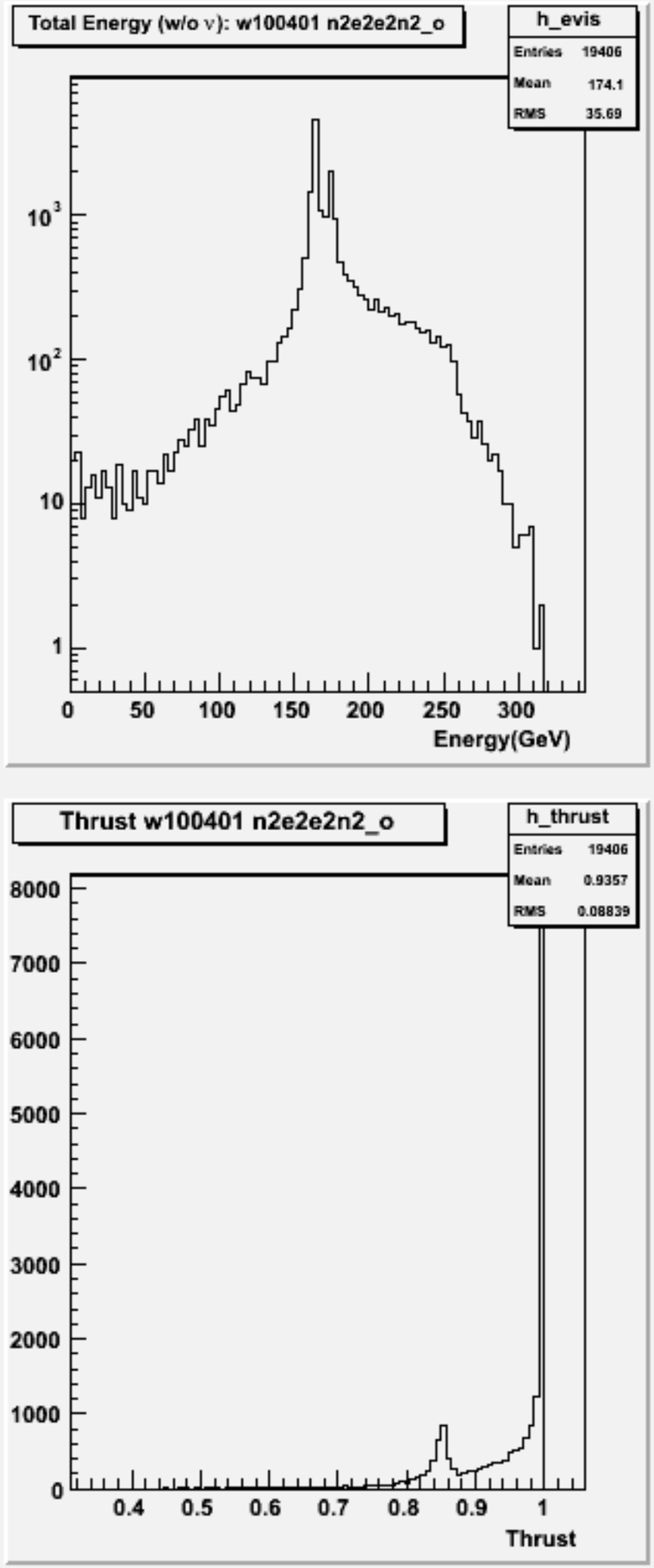
Pt Sum: w100401 n2e2e2n2_o
h_pt
Entries 19406
Mean 48.88
RMS 43.35
Pt(sum) (GeV)

Pz Sum: w100401 n2e2e2n2_o
h_pz
Entries 19406
Mean 0.6446
RMS 116.6
Pz(sum) (GeV)

Thrust w100401 n2e2e2n2_o
h_thrust
Entries 19406
Mean 0.9357
RMS 0.08839
Thrust


Total Energy (inc. ν): w100401 n2e2e2n2_o
h_etot
Entries 19406
Mean 346.9
RMS 7.22
Total Energy(GeV)

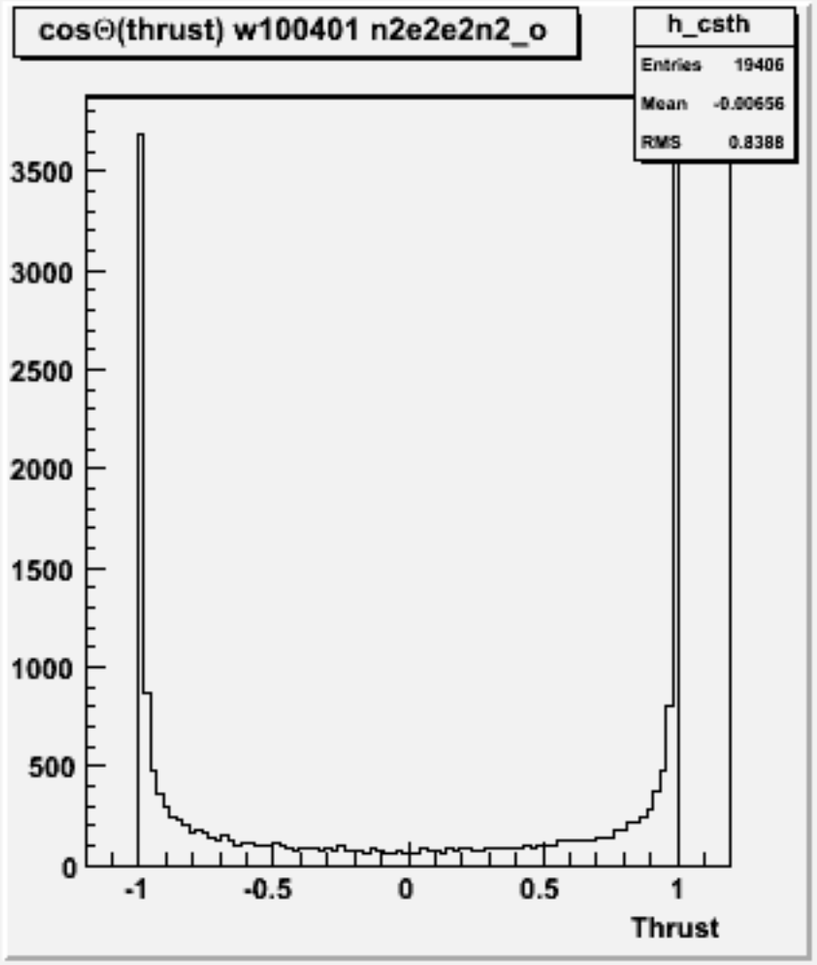

Total Energy (inc. ν): w100401 n2e2e2n2_o
h_etotc
Entries 17574
Mean 348.6
RMS 2.308
Total Energy(GeV)

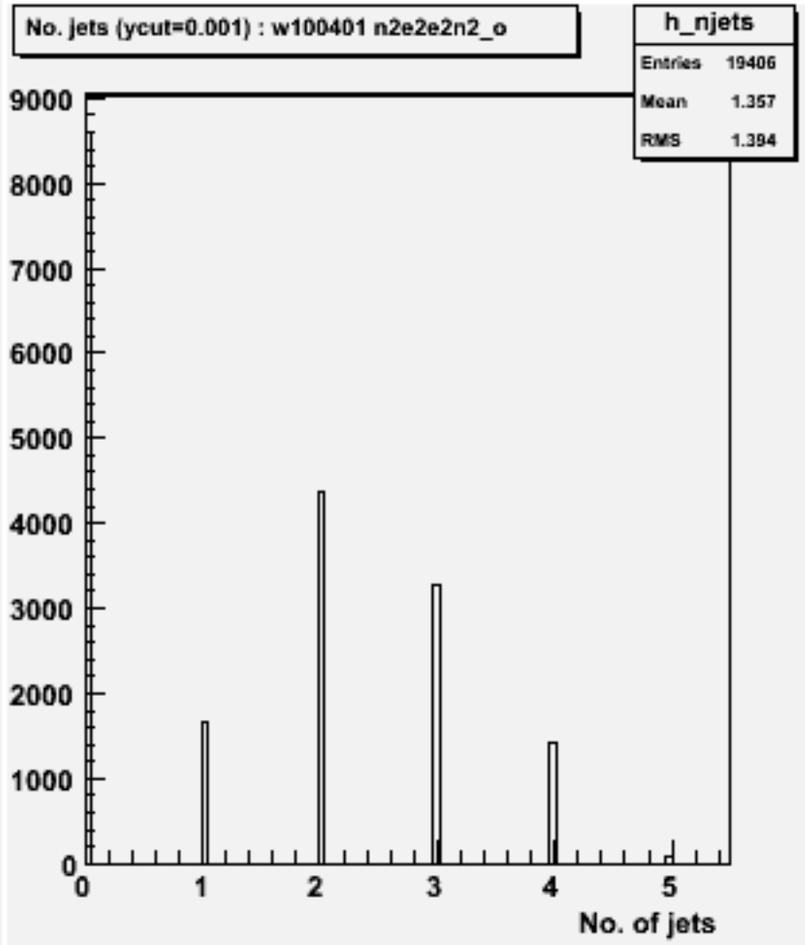

Total Energy (w/o ν): w100401 n2e2e2n2_o
h_evis
Entries 19406
Mean 174.1
RMS 35.69
Energy(GeV)

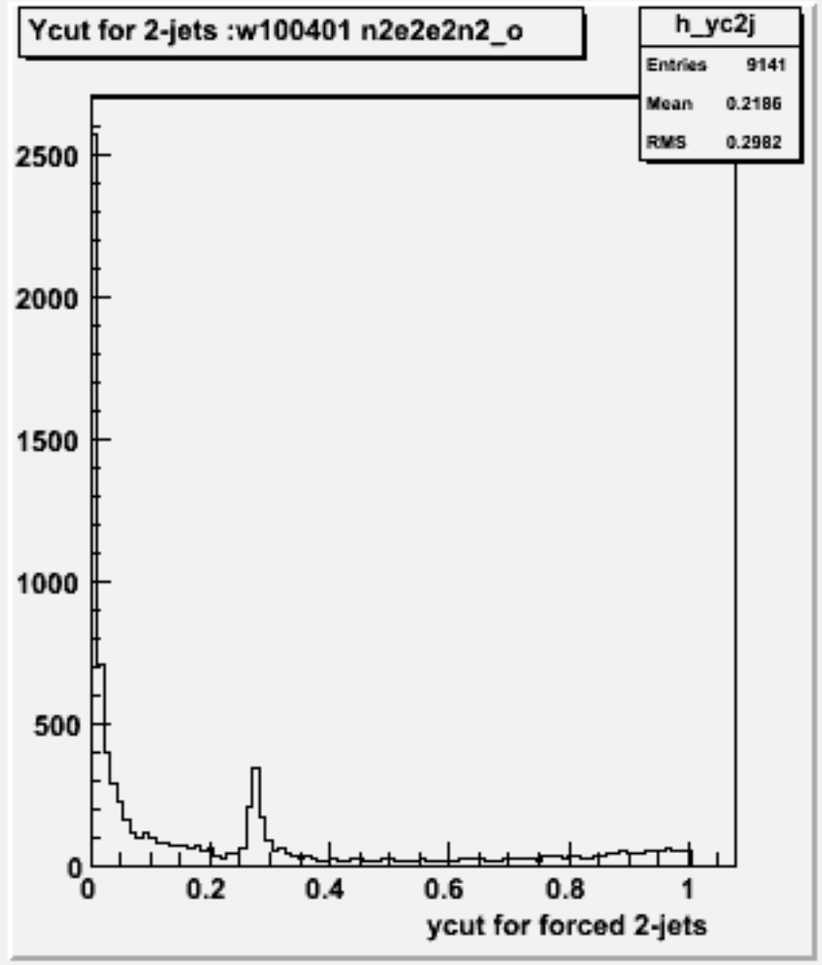
Pt Sum: w100401 n2e2e2n2_o
h_pt
Entries 19406
Mean 48.88
RMS 43.35
Pt(sum) (GeV)

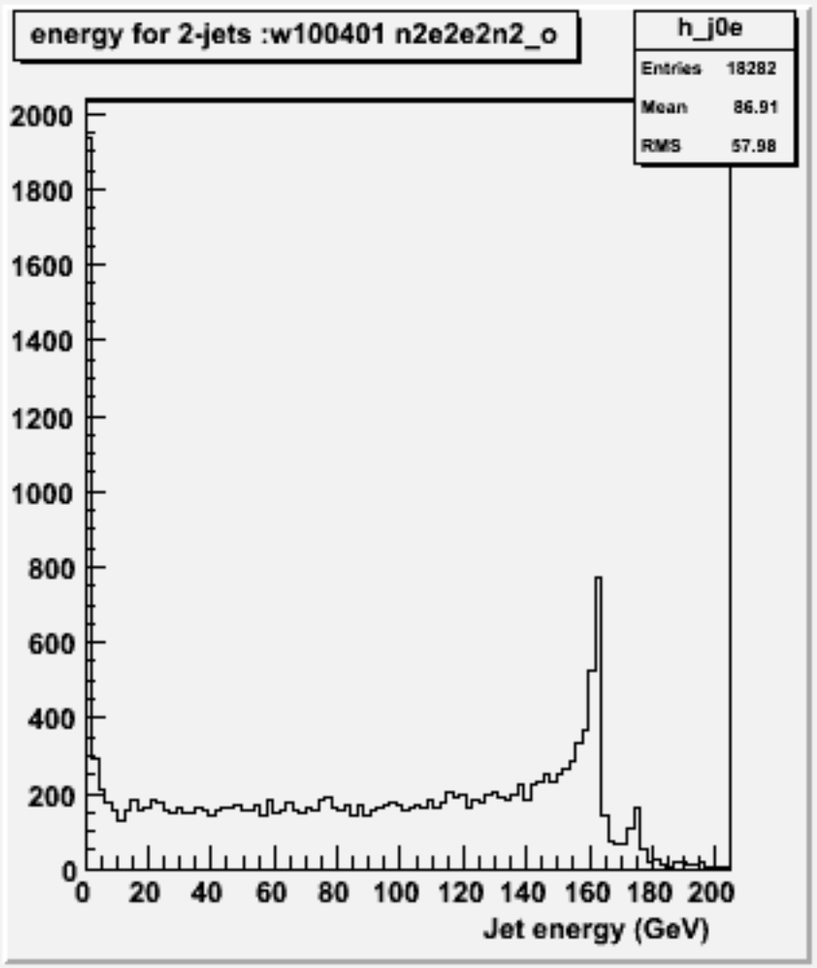
Pz Sum: w100401 n2e2e2n2_o
h_pz
Entries 19406
Mean 0.6446
RMS 116.6
Pz(sum) (GeV)

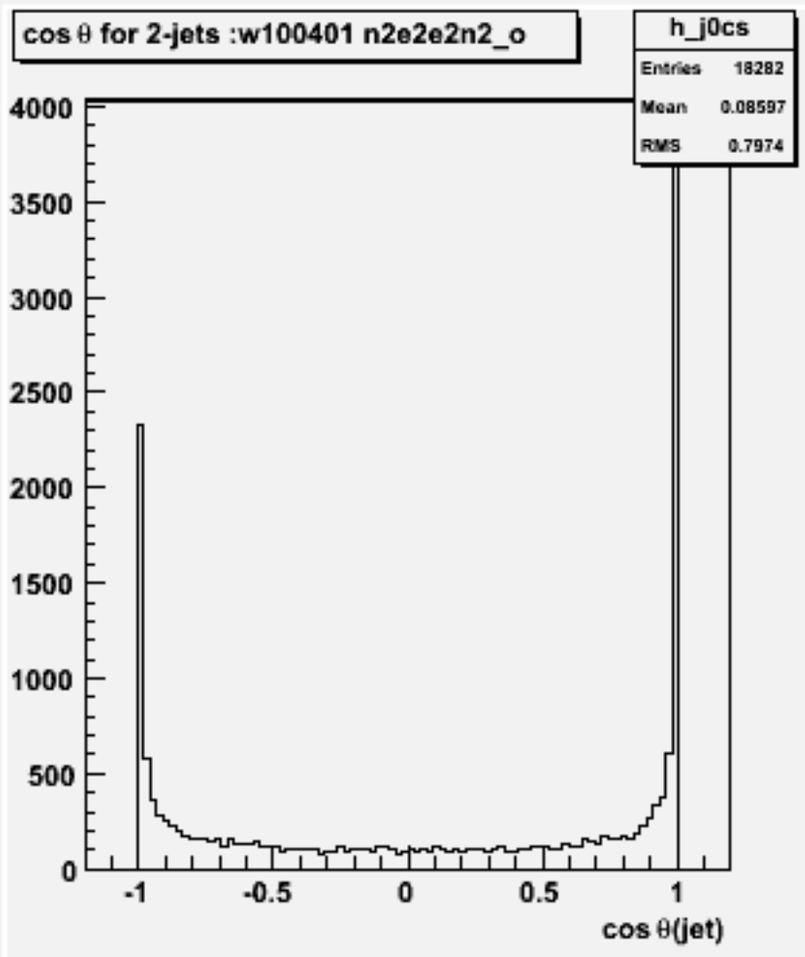
Thrust w100401 n2e2e2n2_o
h_thrust
Entries 19406
Mean 0.9357
RMS 0.08839
Thrust

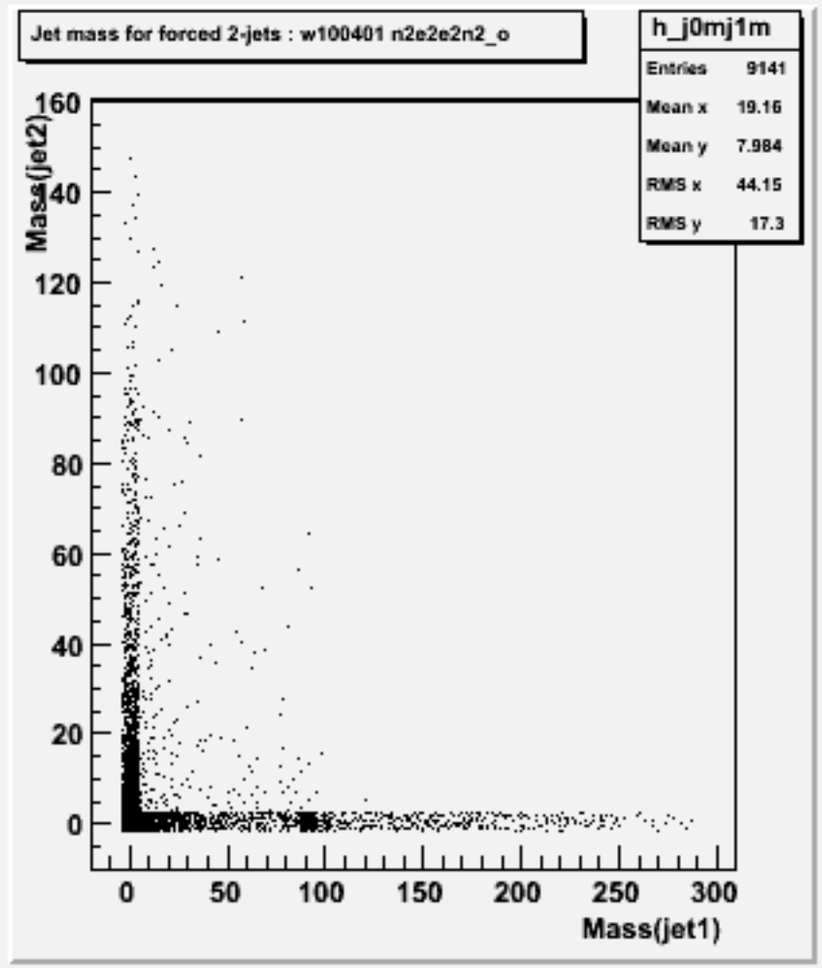

cosΘ(thrust) w100401 n2e2e2n2_o
h_csth
Entries 19406
Mean -0.00656
RMS 0.8388
Thrust

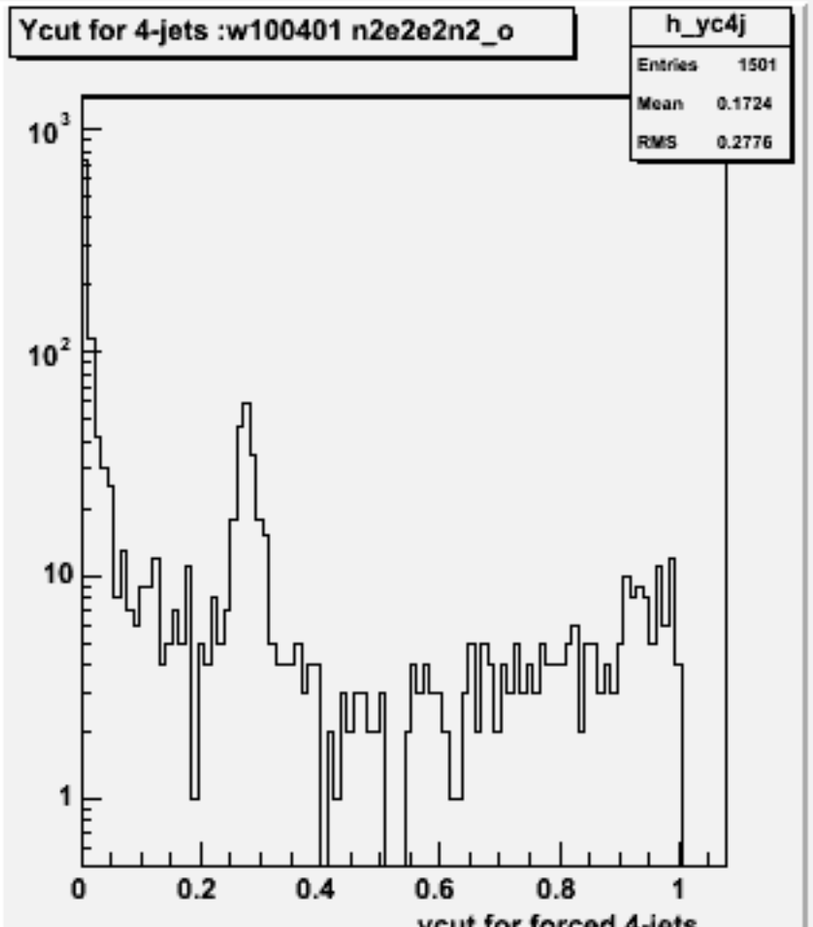

No. jets (ycut=0.001) : w100401 n2e2e2n2_o
h_njets
Entries 19406
Mean 1.357
RMS 1.394
No. of jets

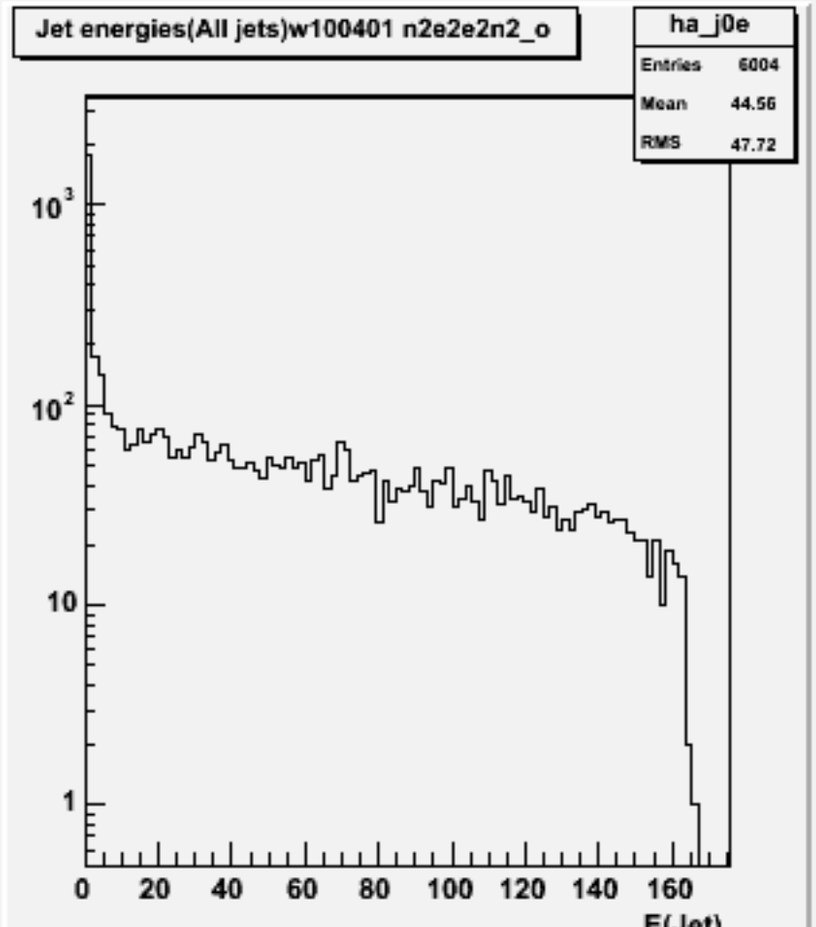

Ycut for 2-jets :w100401 n2e2e2n2_o
h_yc2j
Entries 9141
Mean 0.2186
RMS 0.2982
ycut for forced 2-jets

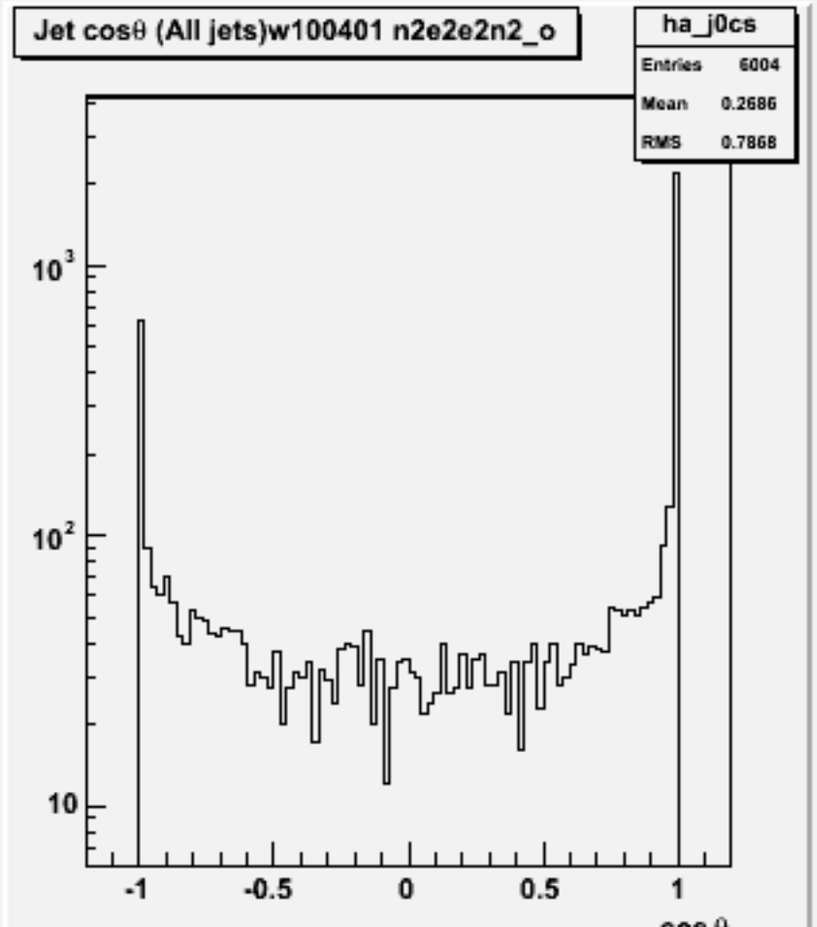

energy for 2-jets :w100401 n2e2e2n2_o
h_j0e
Entries 18282
Mean 86.91
RMS 57.98
Jet energy (GeV)

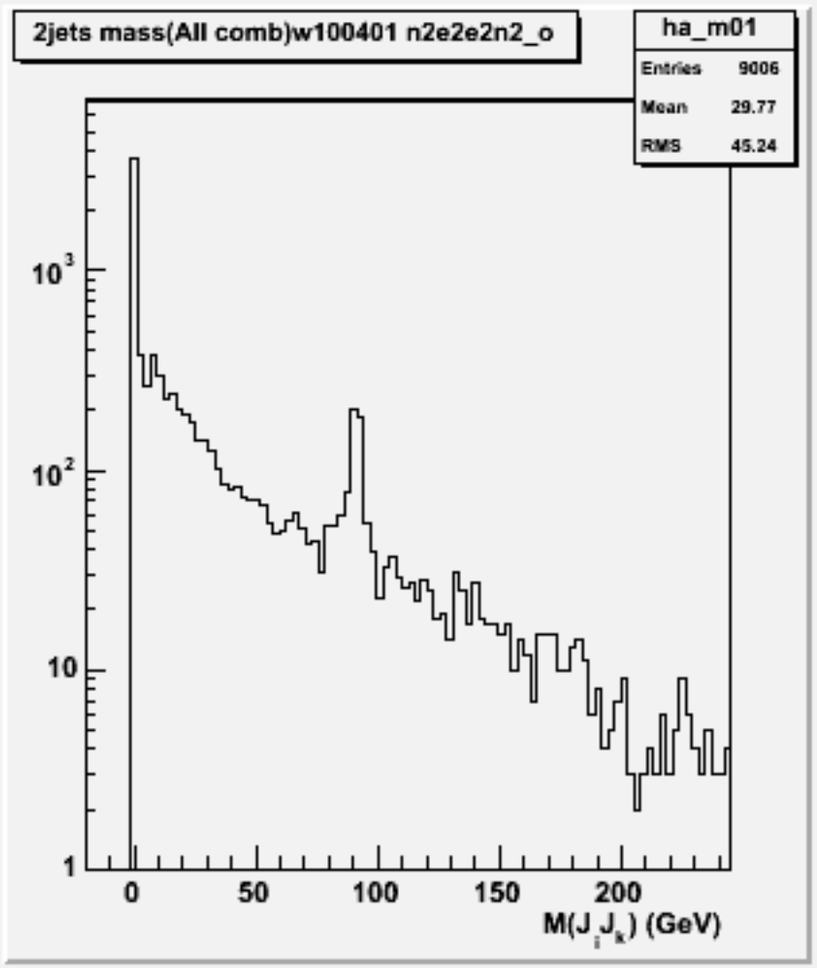

cos θ for 2-jets :w100401 n2e2e2n2_o
h_j0cs
Entries 18282
Mean 0.08597
RMS 0.7974
cos θ(jet)

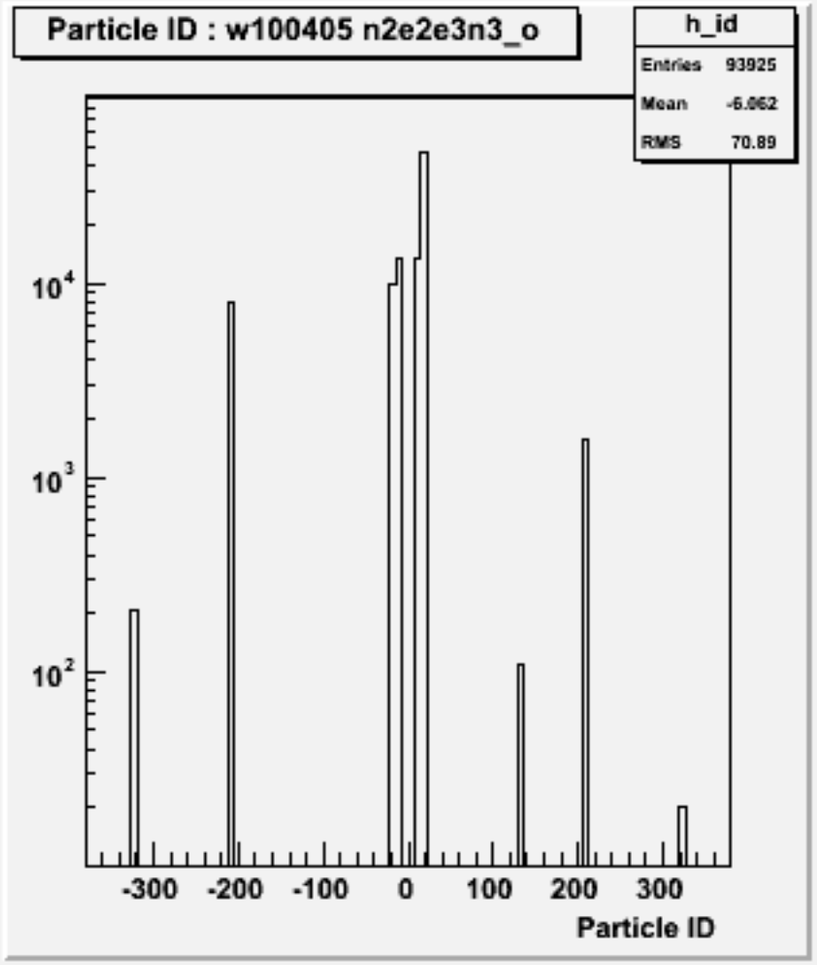

Jet mass for forced 2-jets : w100401 n2e2e2n2_o
h_j0mj1m
Entries 9141
Mean x 19.16
Mean y 7.984
RMS x 44.15
RMS y 17.3
Mass(jet2)
Mass(jet1)

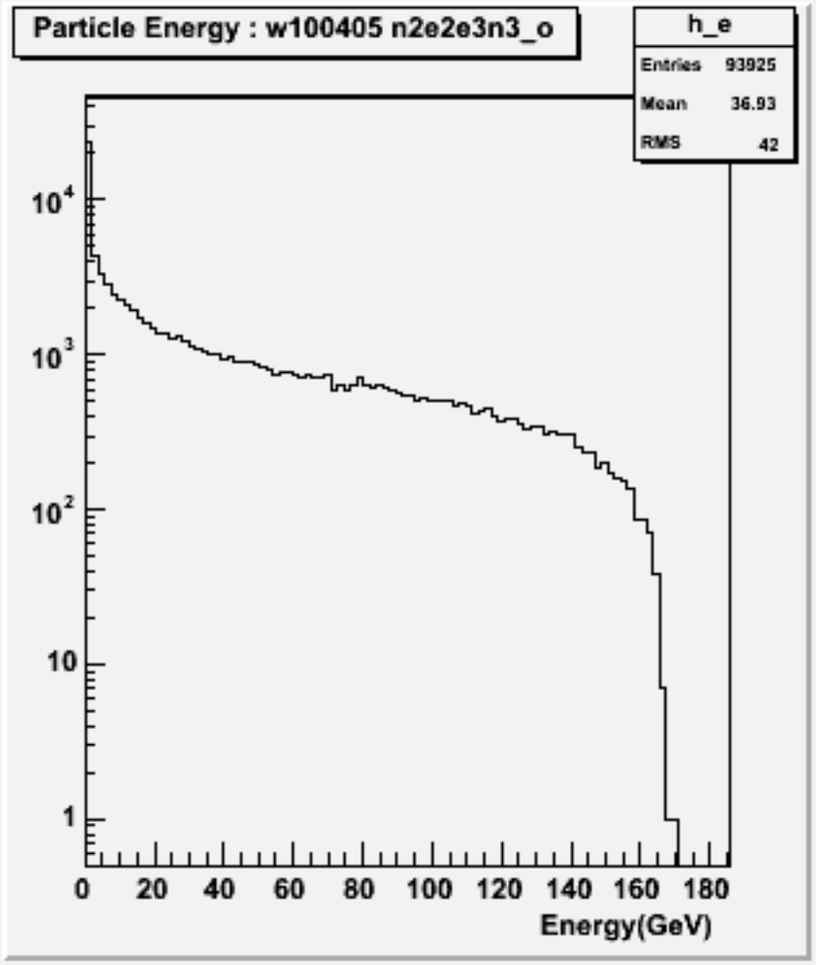

Ycut for 4-jets :w100401 n2e2e2n2_o
h_yc4j
Entries 1501
Mean 0.1724
RMS 0.2776
ycut for forced 4-jets

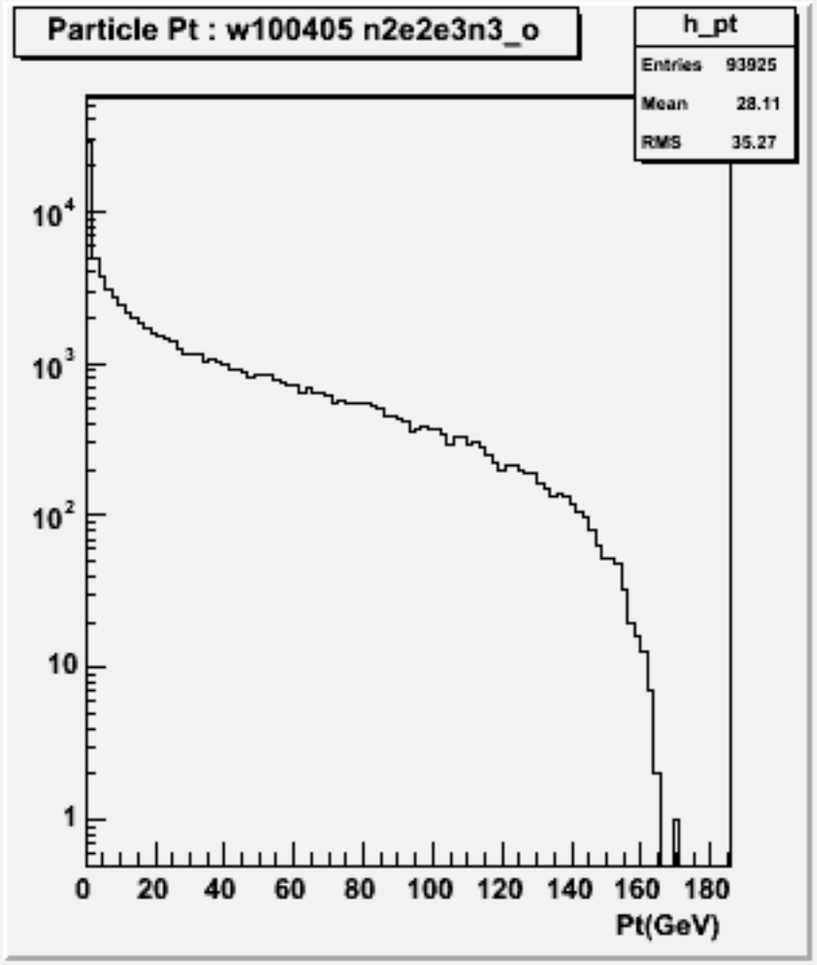

Jet energies(All jets)w100401 n2e2e2n2_o
ha_j0e
Entries 6004
Mean 44.56
RMS 47.72
E(Jet)

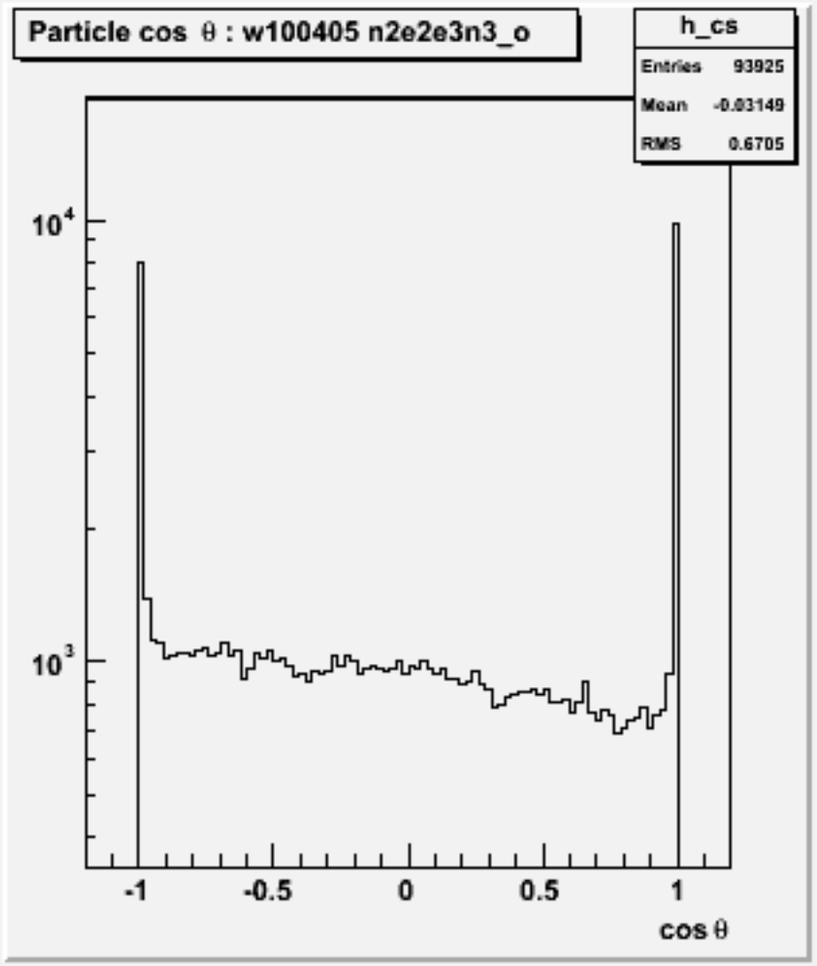

Jet cosθ (All jets)w100401 n2e2e2n2_o
ha_j0cs
Entries 6004
Mean 0.2686
RMS 0.7868
cos θ

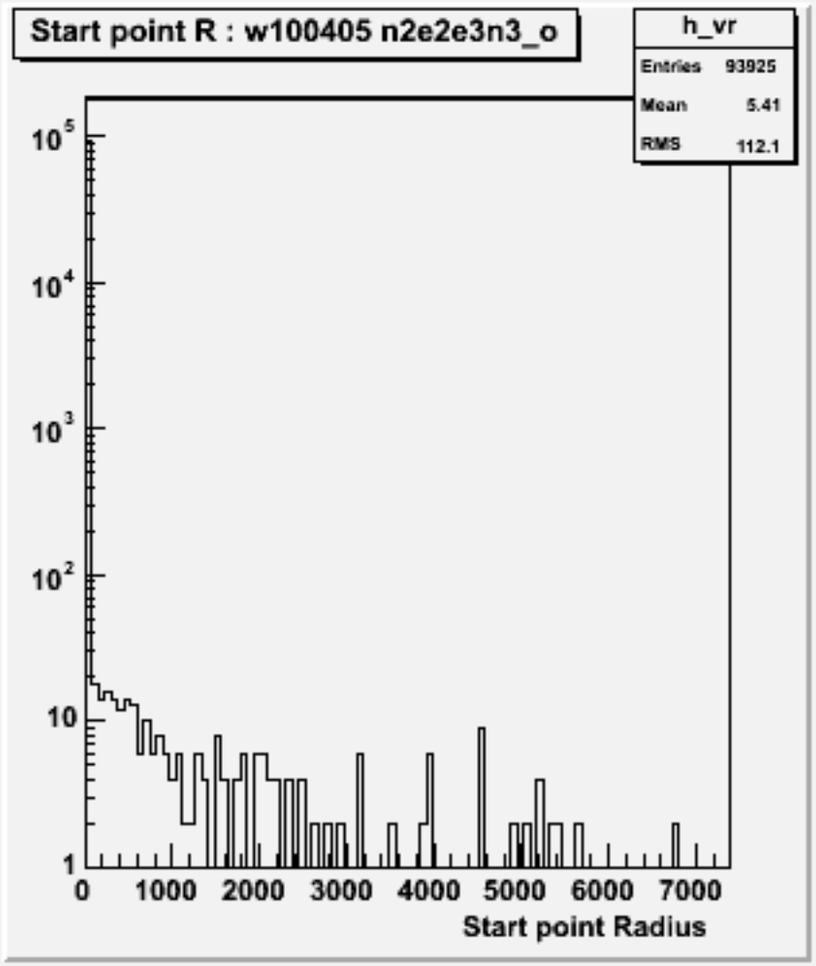

2jets mass(All comb)w100401 n2e2e2n2_o
ha_m01
Entries 9006
Mean 29.77
RMS 45.24
M(J_iJ_k) (GeV)

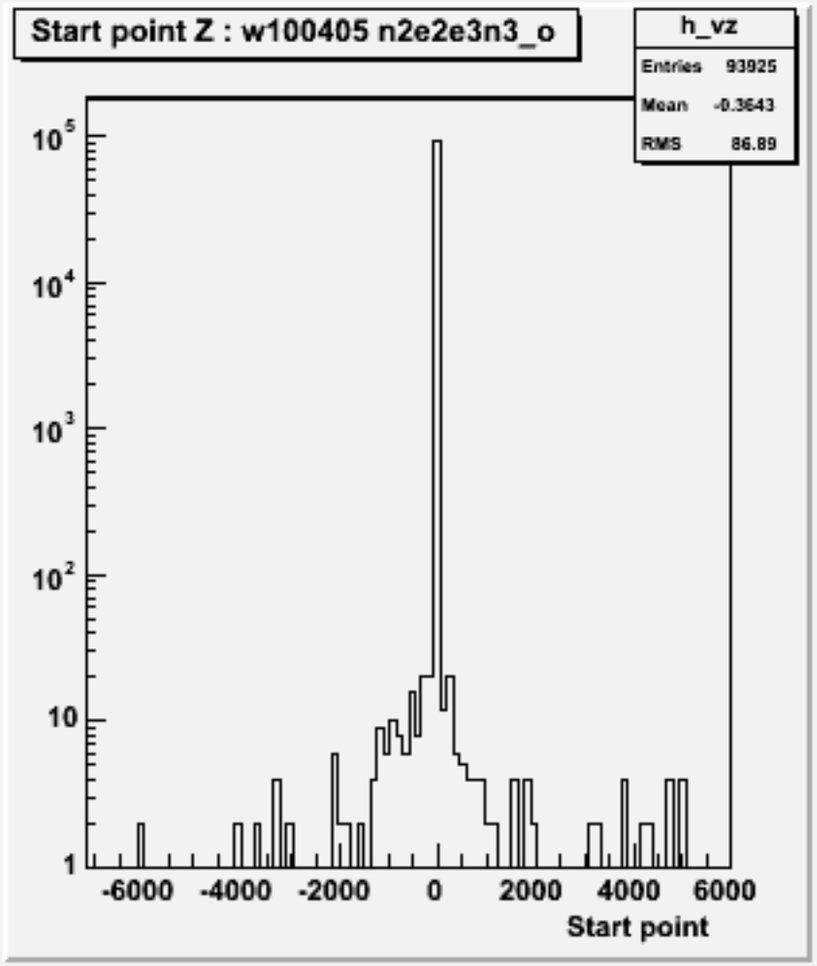

Particle ID : w100405 n2e2e3n3_o
h_id
Entries 93925
Mean -6.062
RMS 70.89
Particle ID

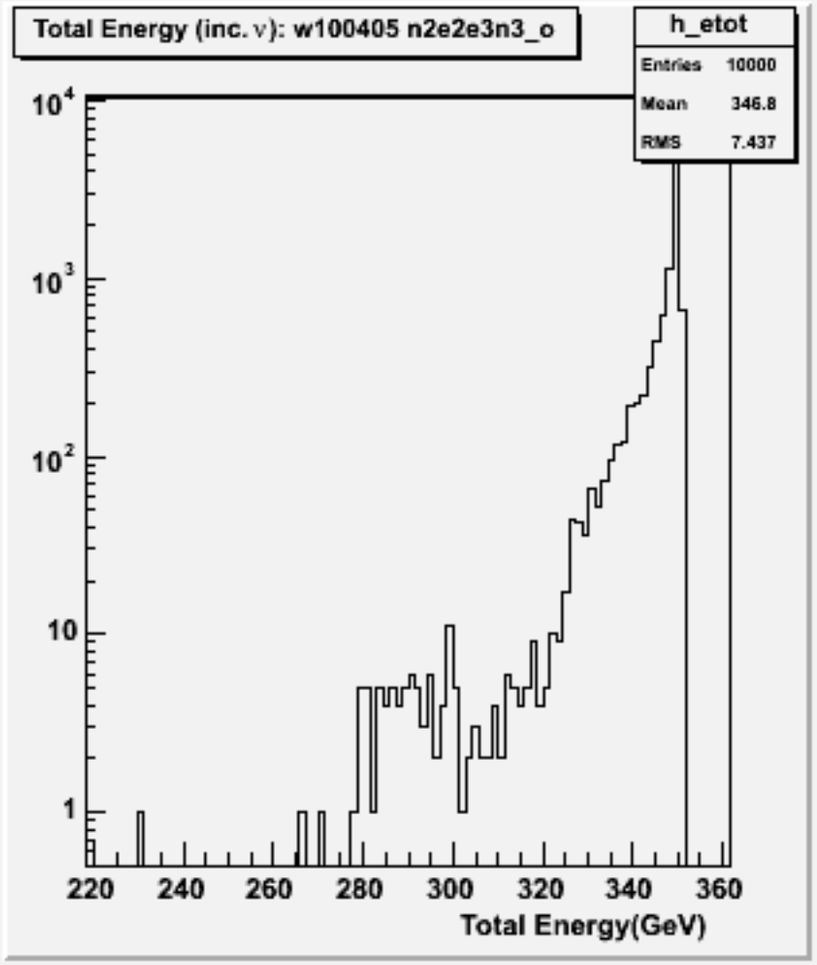

Particle Energy : w100405 n2e2e3n3_o
h_e
Entries 93925
Mean 36.93
RMS 42
Energy(GeV)

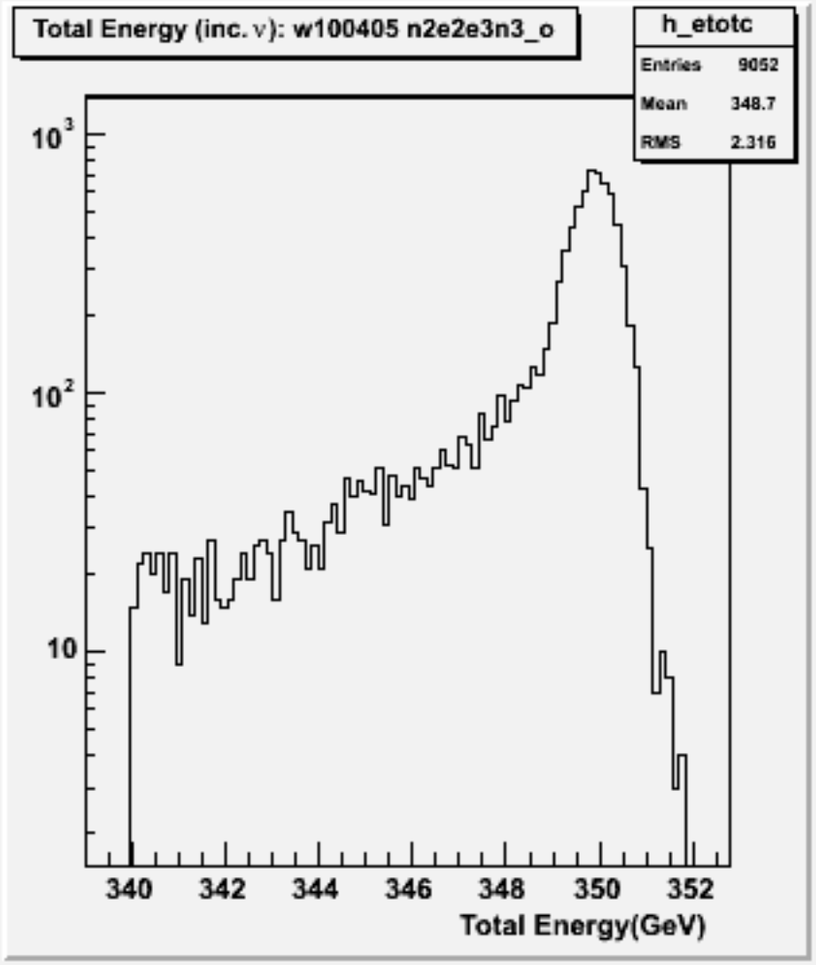

Particle Pt : w100405 n2e2e3n3_o
h_pt
Entries 93925
Mean 28.11
RMS 35.27
Pt(GeV)

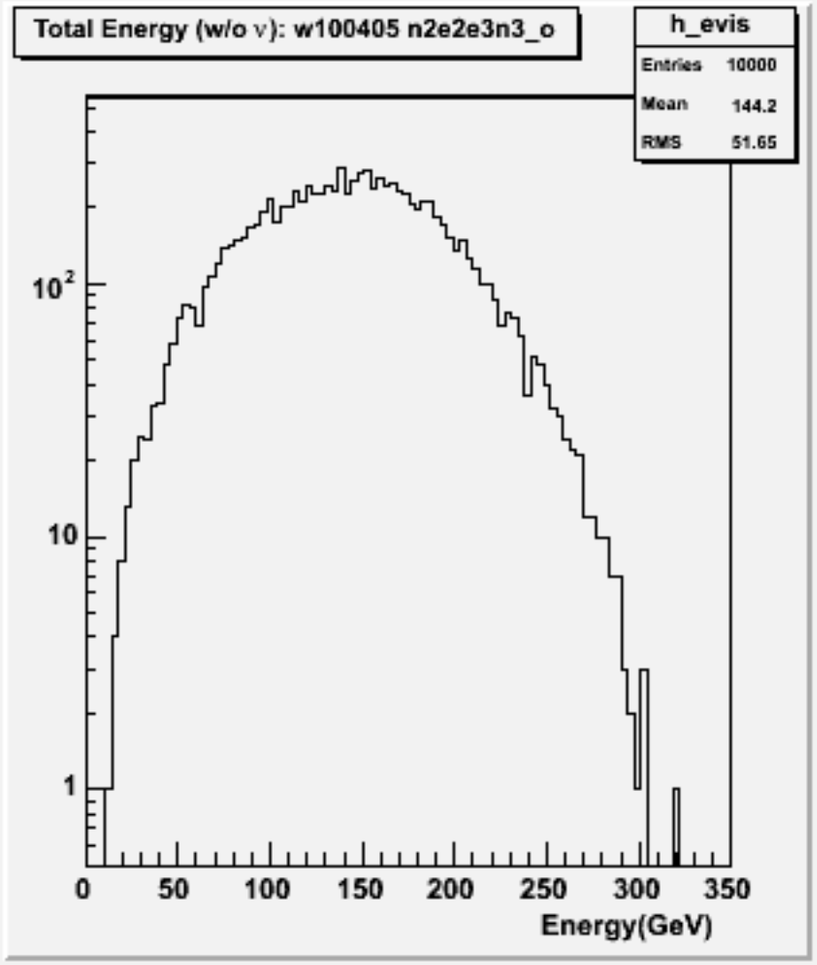

Particle cos θ : w100405 n2e2e3n3_o
h_cs
Entries 93925
Mean -0.03149
RMS 0.6705
cos θ

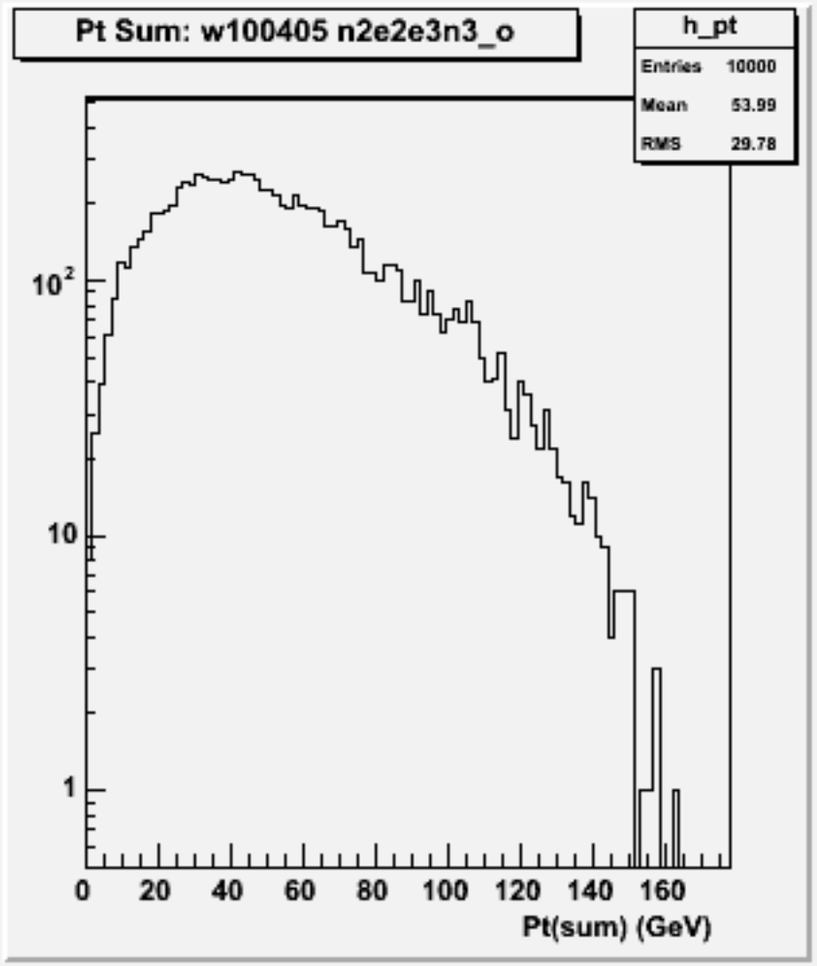

Start point R : w100405 n2e2e3n3_o
h_vr
Entries 93925
Mean 5.41
RMS 112.1
Start point Radius

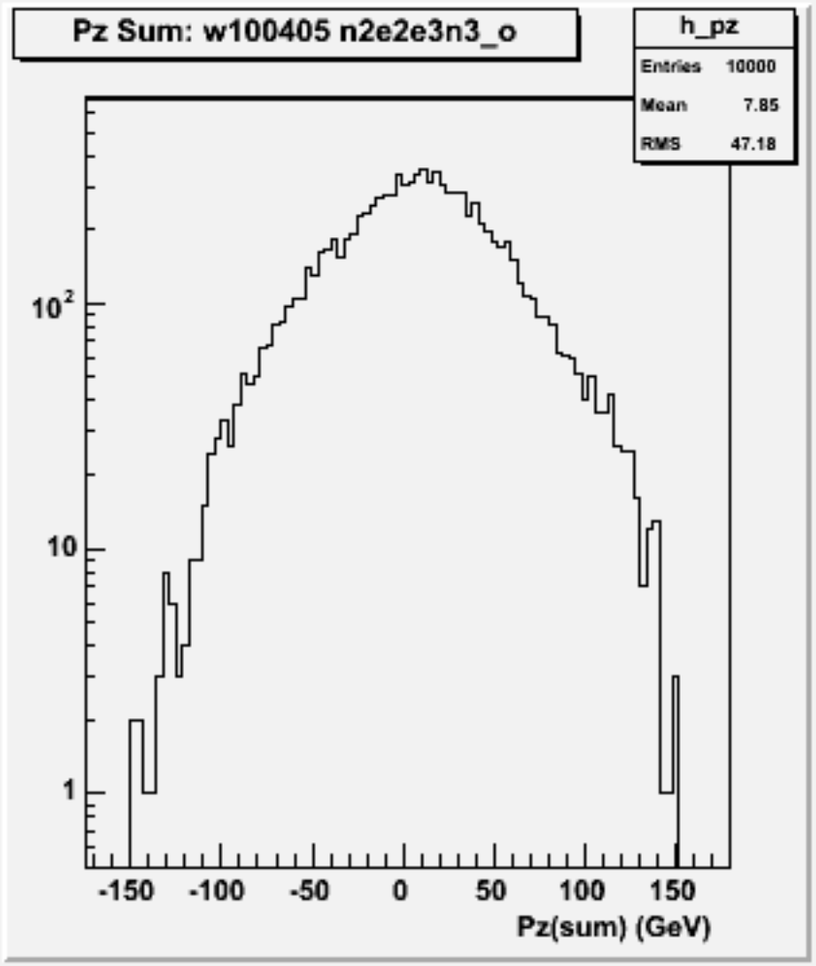

Start point Z : w100405 n2e2e3n3_o
h_vz
Entries 93925
Mean -0.3643
RMS 86.89
Start point

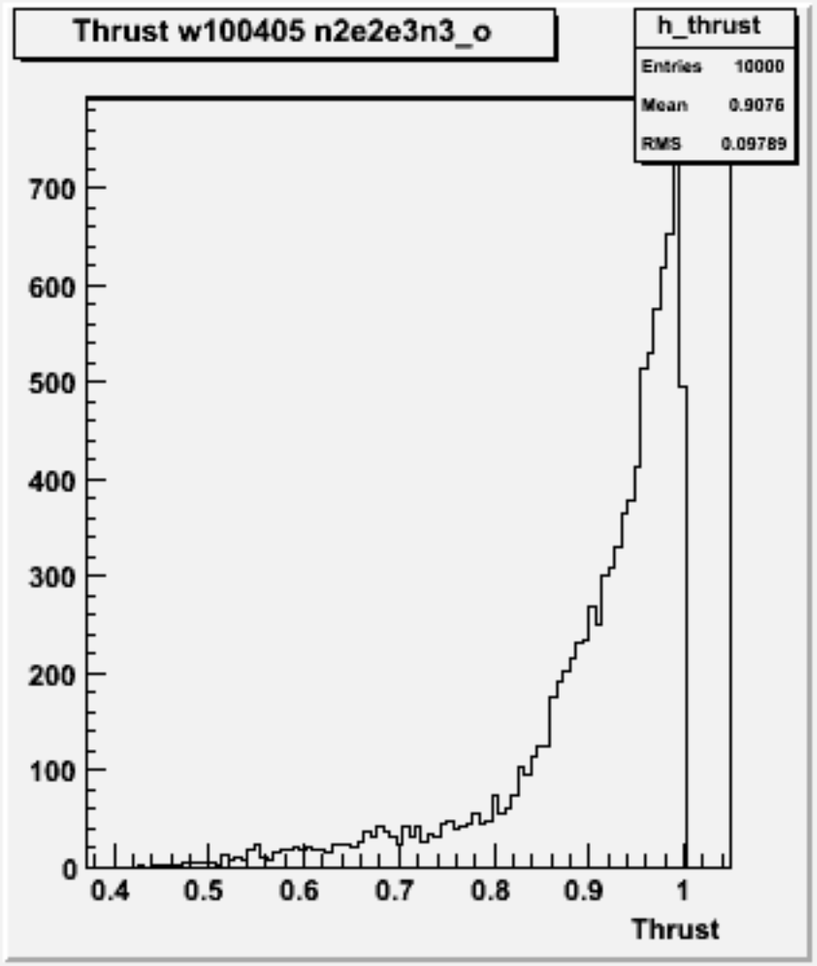

Total Energy (inc. ν): w100405 n2e2e3n3_o
h_etot
Entries 10000
Mean 346.8
RMS 7.437
Total Energy(GeV)

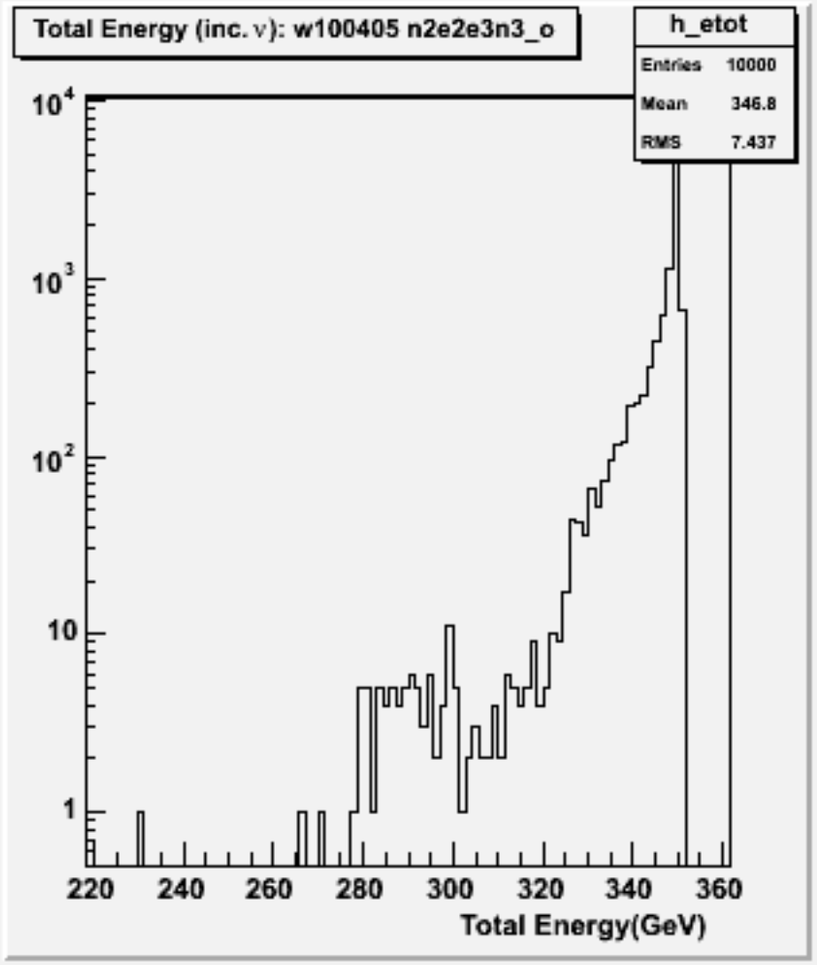

Total Energy (inc. ν): w100405 n2e2e3n3_o
h_etotc
Entries 9052
Mean 348.7
RMS 2.316
Total Energy(GeV)

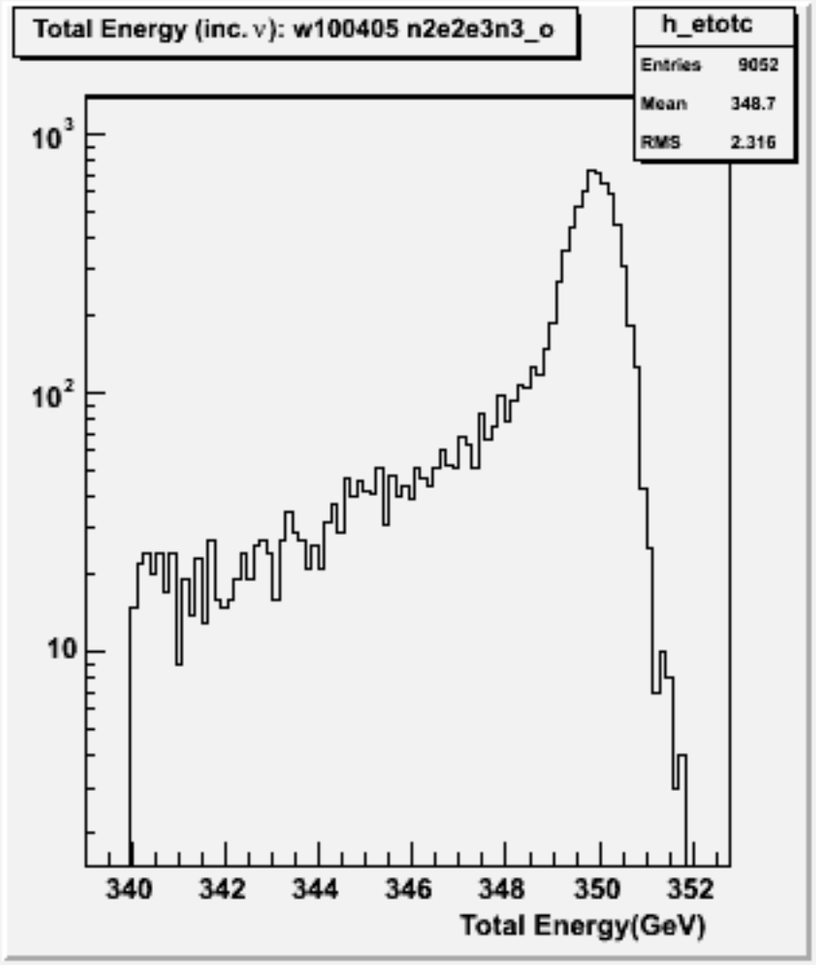

Total Energy (w/o ν): w100405 n2e2e3n3_o
h_evis
Entries 10000
Mean 144.2
RMS 51.65
Energy(GeV)

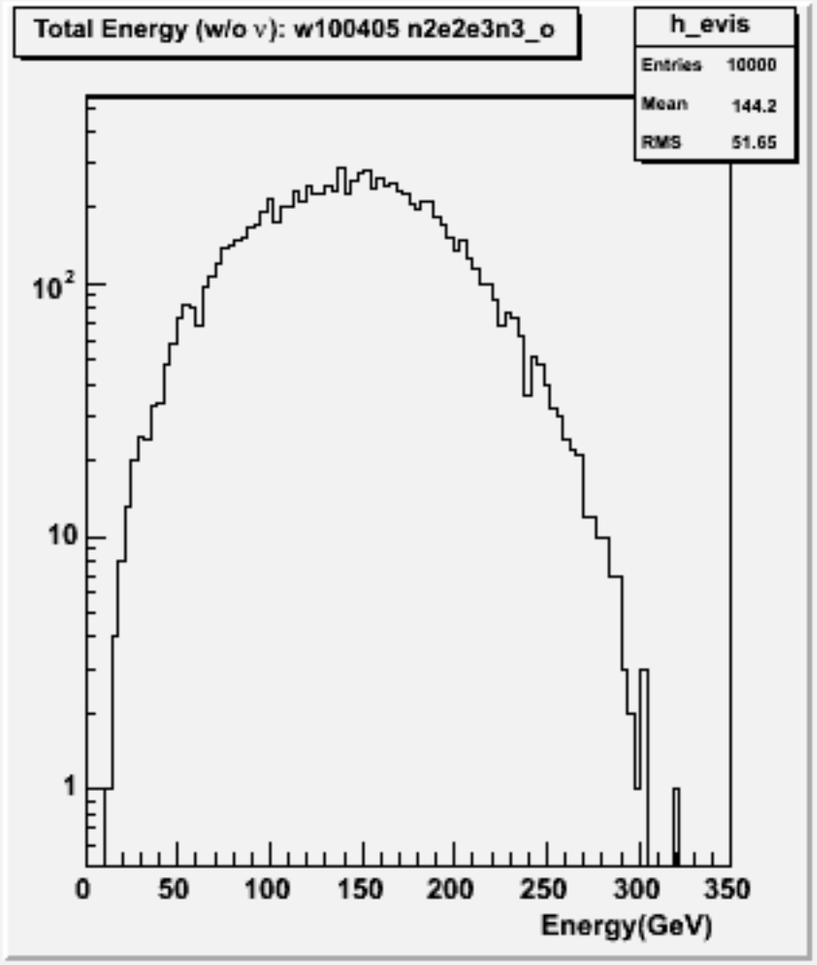

Pt Sum: w100405 n2e2e3n3_o
h_pt
Entries 10000
Mean 53.99
RMS 29.78
Pt(sum) (GeV)

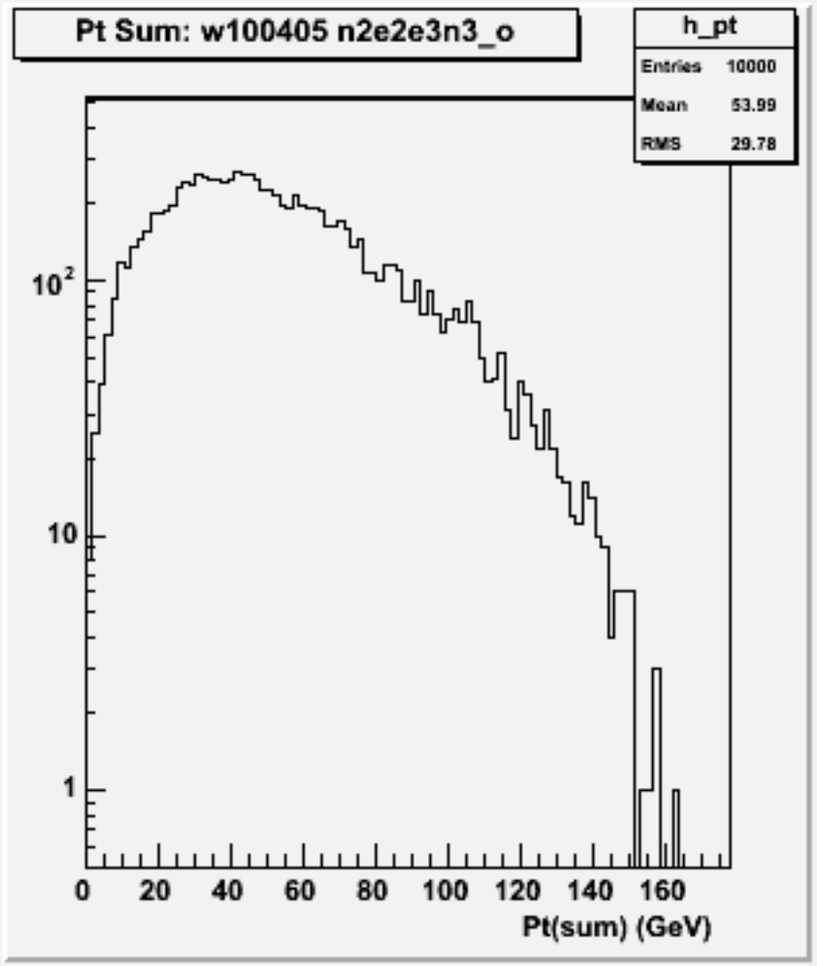

Pz Sum: w100405 n2e2e3n3_o
h_pz
Entries 10000
Mean 7.85
RMS 47.18
Pz(sum) (GeV)

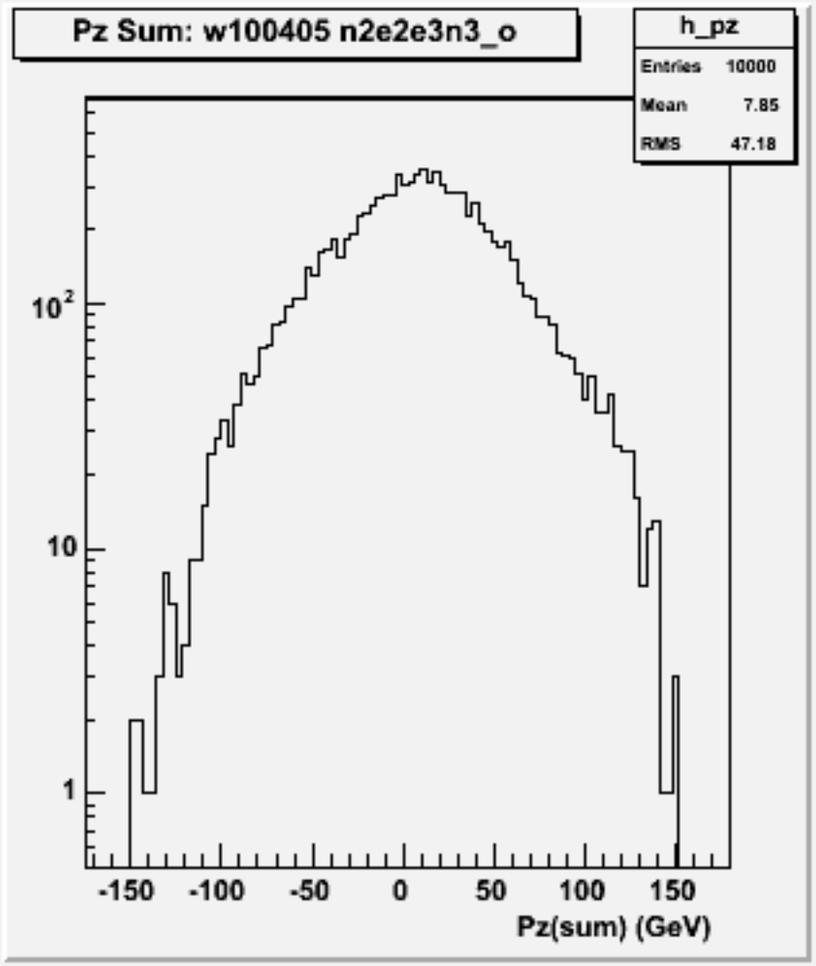

Thrust w100405 n2e2e3n3_o
h_thrust
Entries 10000
Mean 0.9076
RMS 0.09789
Thrust

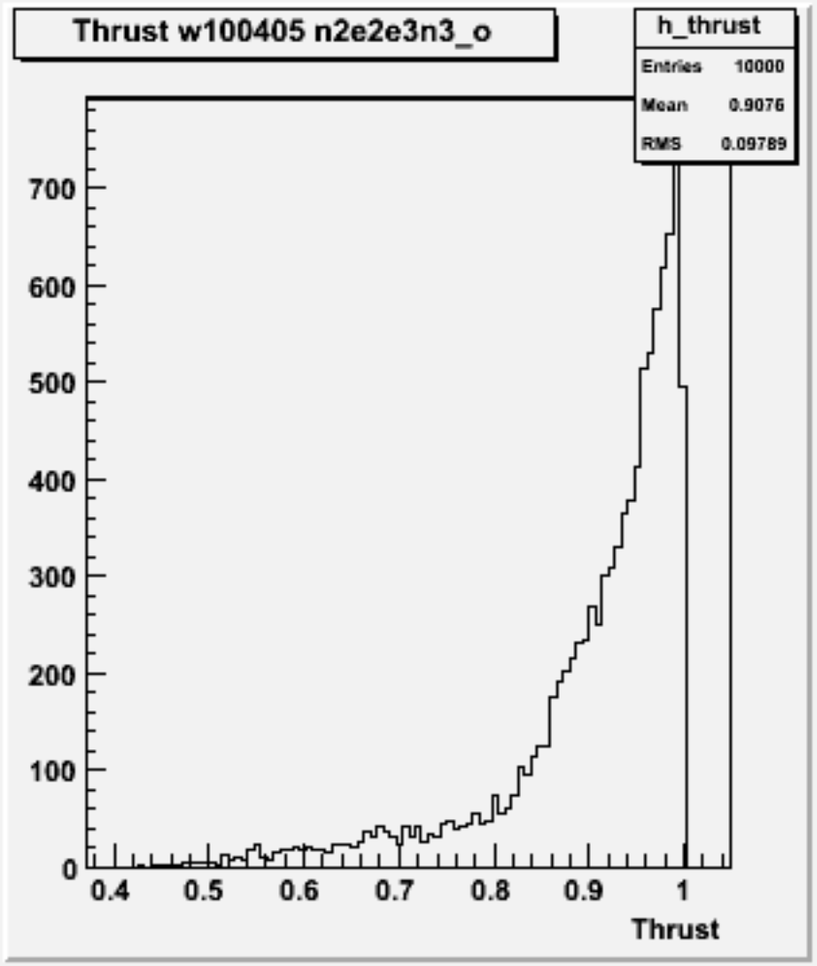

Total Energy (inc. ν): w100405 n2e2e3n3_o
h_etot
Entries 10000
Mean 346.8
RMS 7.437
Total Energy(GeV)

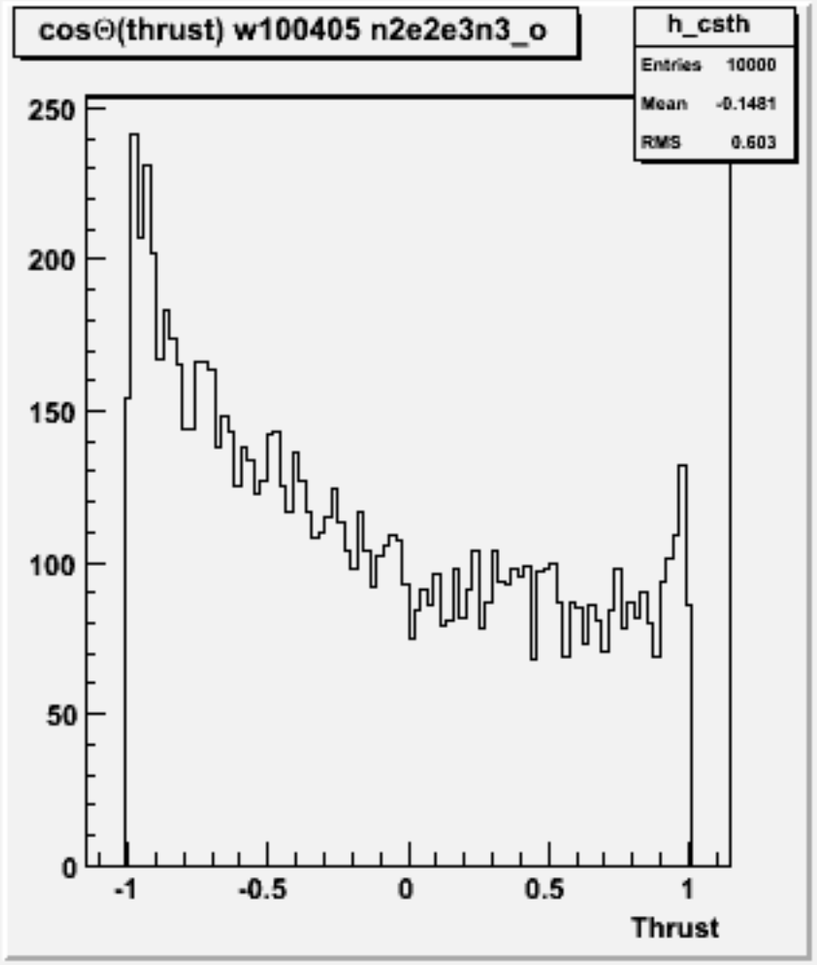

Total Energy (inc. ν): w100405 n2e2e3n3_o
h_etotc
Entries 9052
Mean 348.7
RMS 2.316
Total Energy(GeV)

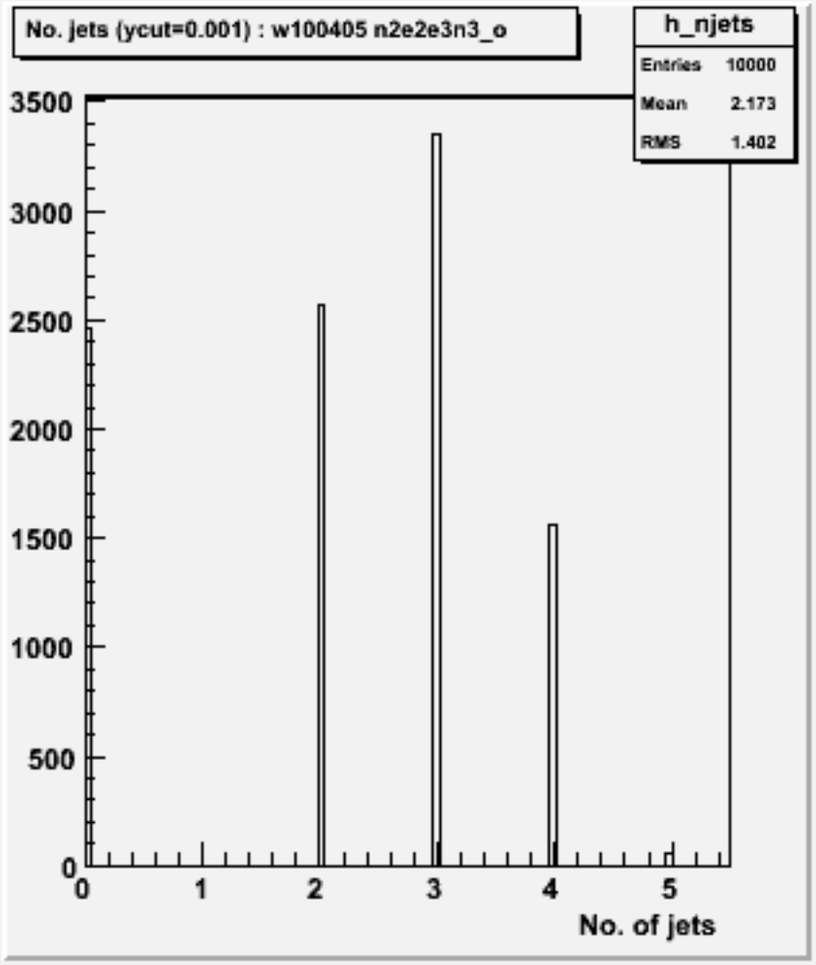

Total Energy (w/o ν): w100405 n2e2e3n3_o
h_evis
Entries 10000
Mean 144.2
RMS 51.65
Energy(GeV)

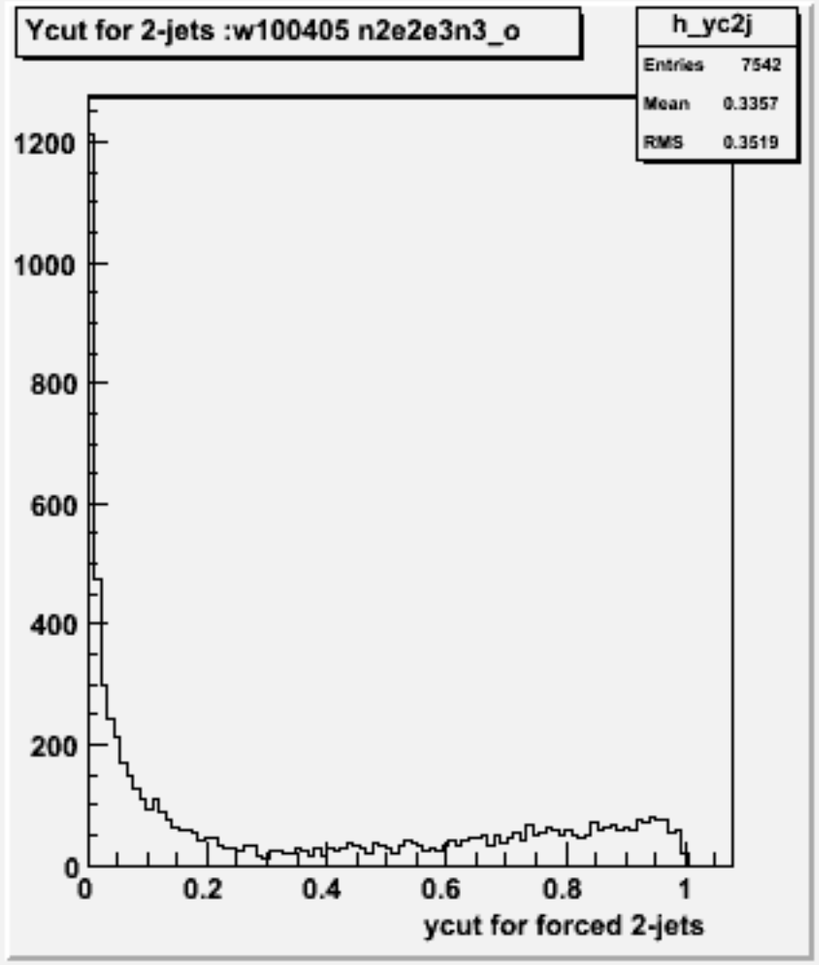

Pt Sum: w100405 n2e2e3n3_o
h_pt
Entries 10000
Mean 53.99
RMS 29.78
Pt(sum) (GeV)

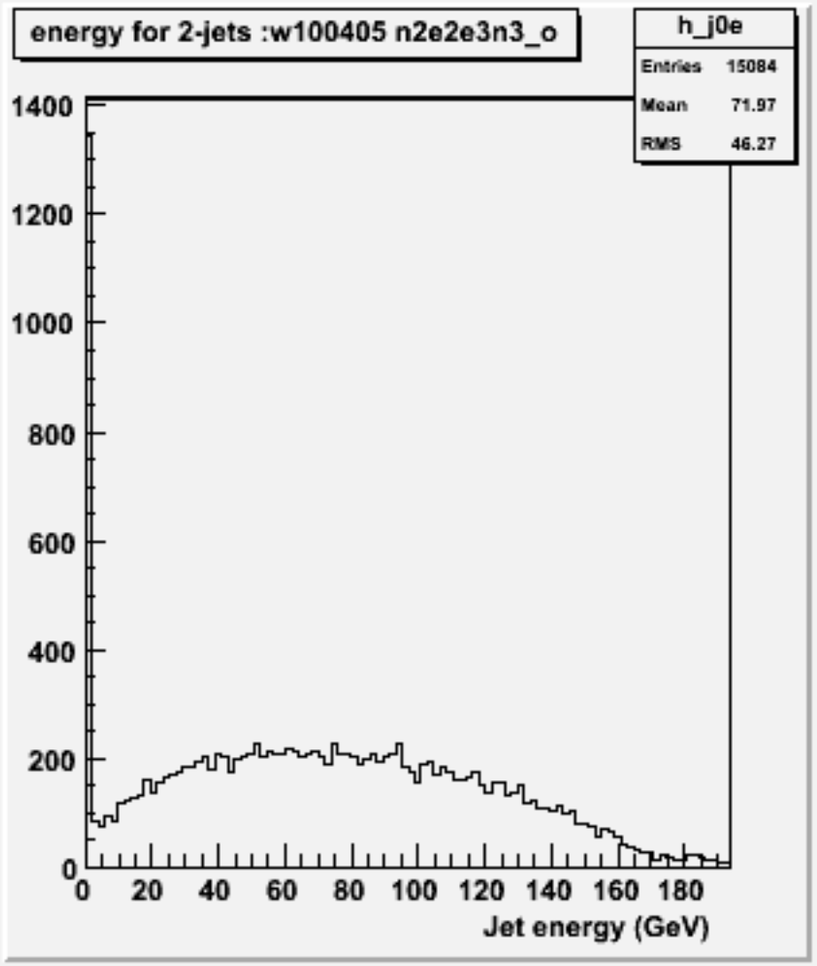

Pz Sum: w100405 n2e2e3n3_o
h_pz
Entries 10000
Mean 7.85
RMS 47.18
Pz(sum) (GeV)

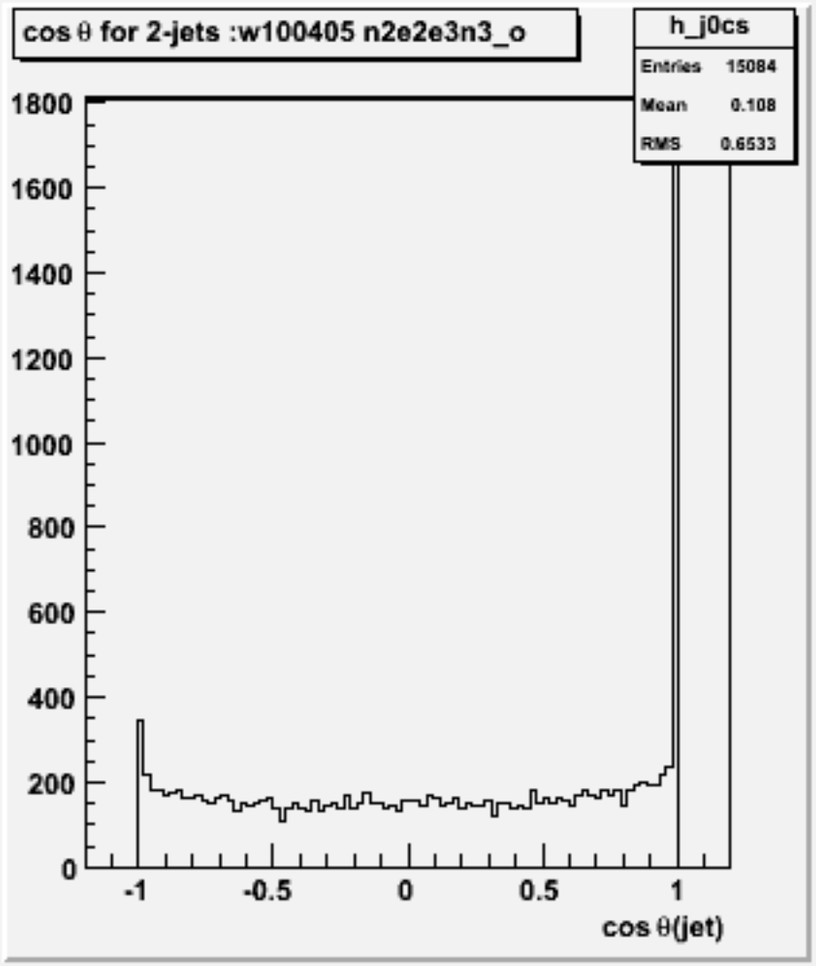

Thrust w100405 n2e2e3n3_o
h_thrust
Entries 10000
Mean 0.9076
RMS 0.09789
Thrust

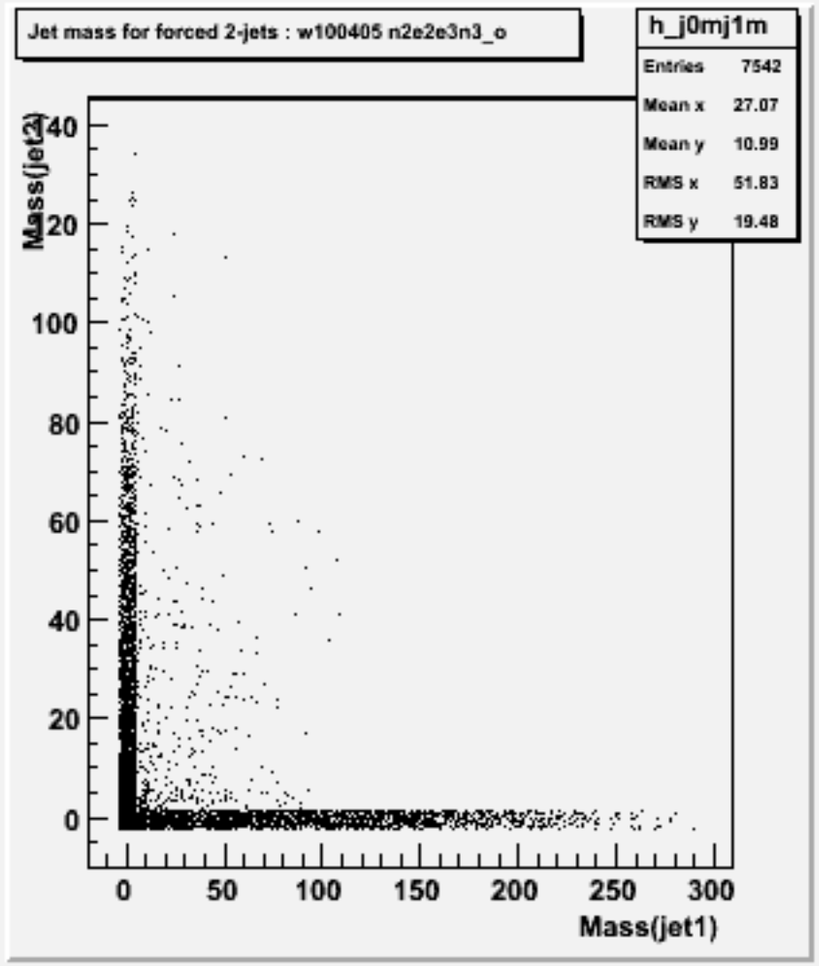

cosΘ(thrust) w100405 n2e2e3n3_o
h_csth
Entries 10000
Mean -0.1481
RMS 0.603
250
200
150
100
50
0
-1
-0.5
0
0.5
1
Thrust

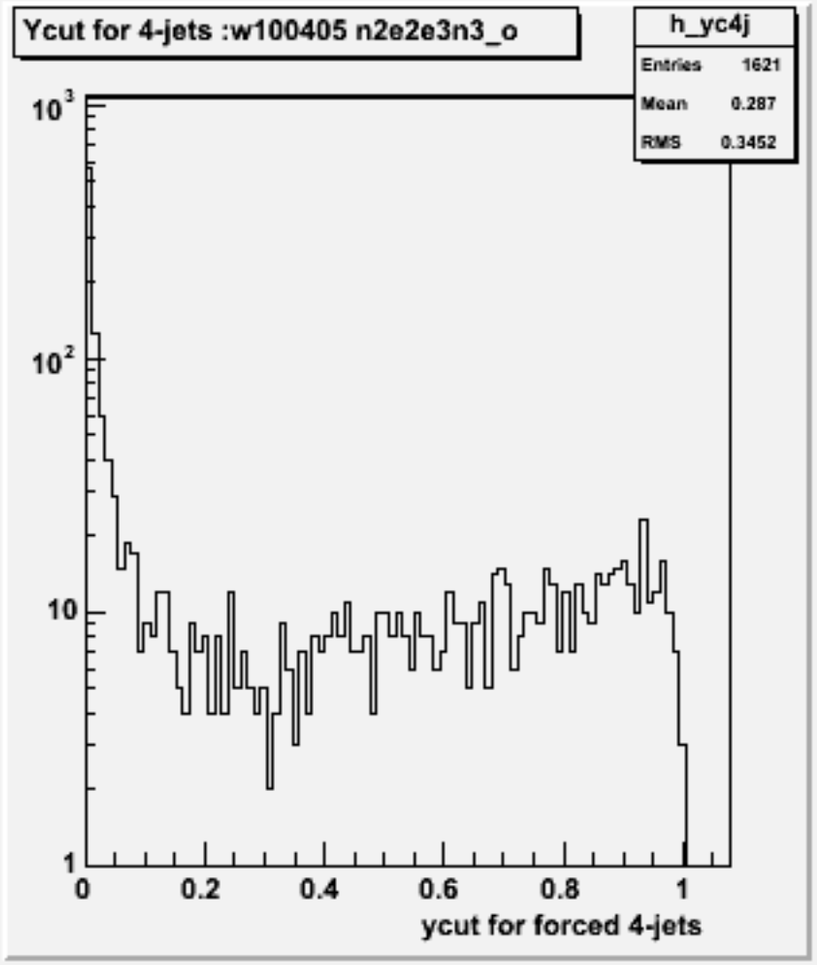

No. jets (ycut=0.001) : w100405 n2e2e3n3_o
h_njets
Entries 10000
Mean 2.173
RMS 1.402
3500
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
No. of jets

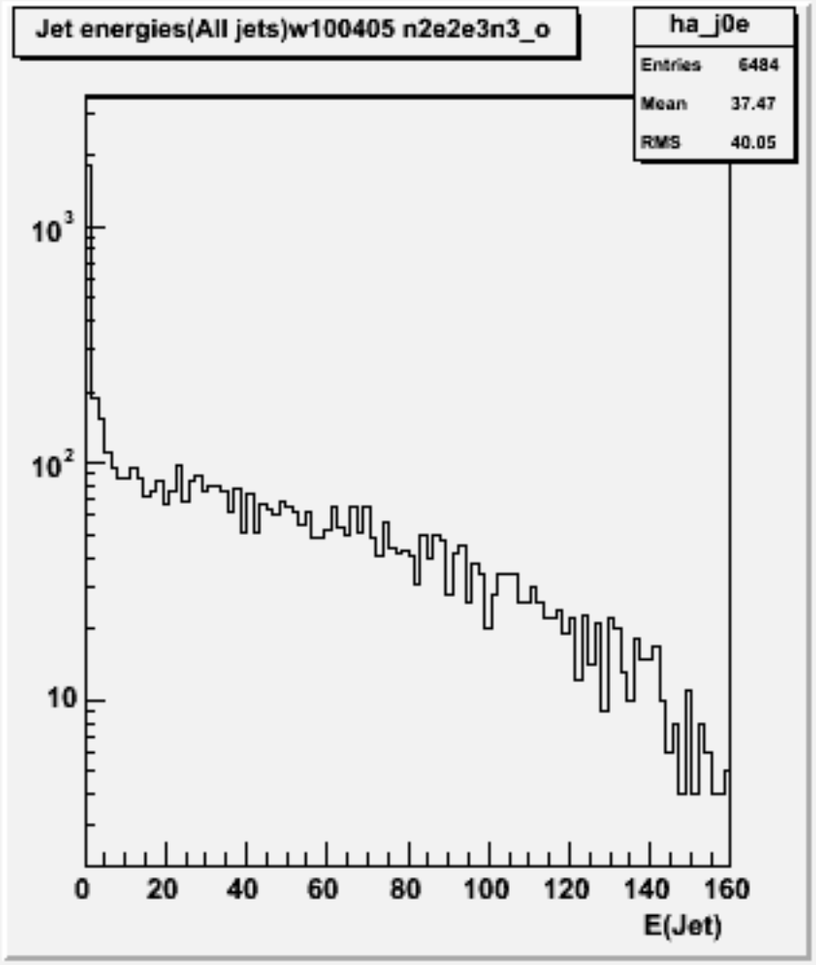

Ycut for 2-jets :w100405 n2e2e3n3_o
h_yc2j
Entries 7542
Mean 0.3357
RMS 0.3519
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

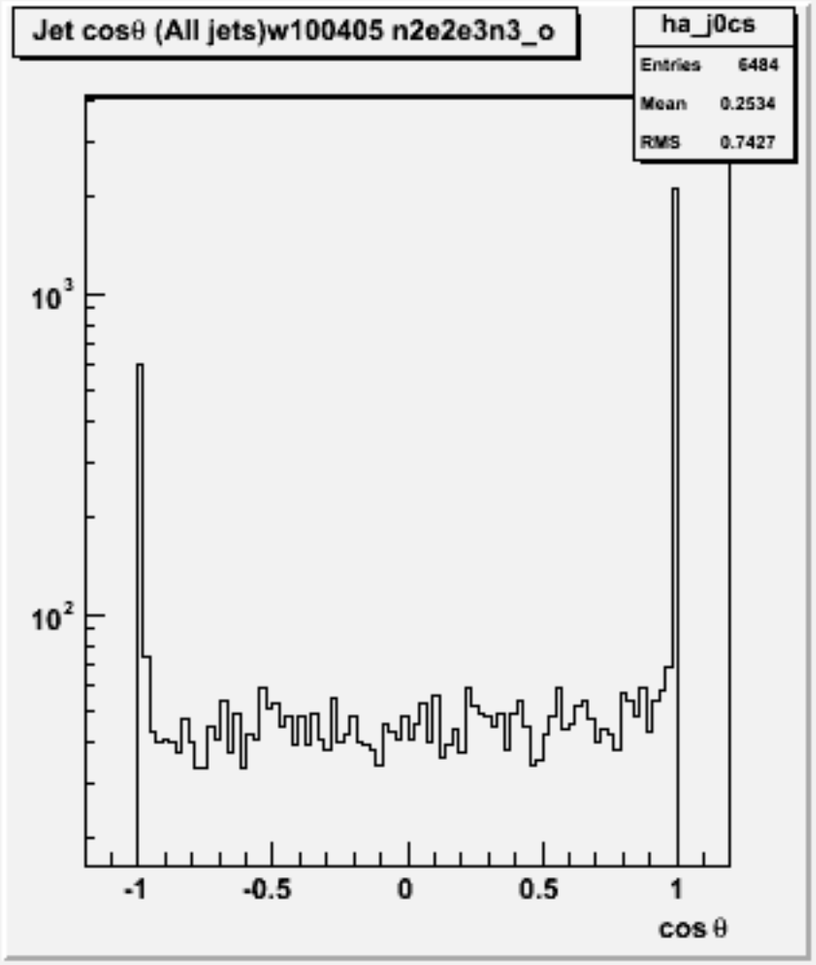

energy for 2-jets :w100405 n2e2e3n3_o
h_j0e
Entries 15084
Mean 71.97
RMS 46.27
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
180
Jet energy (GeV)

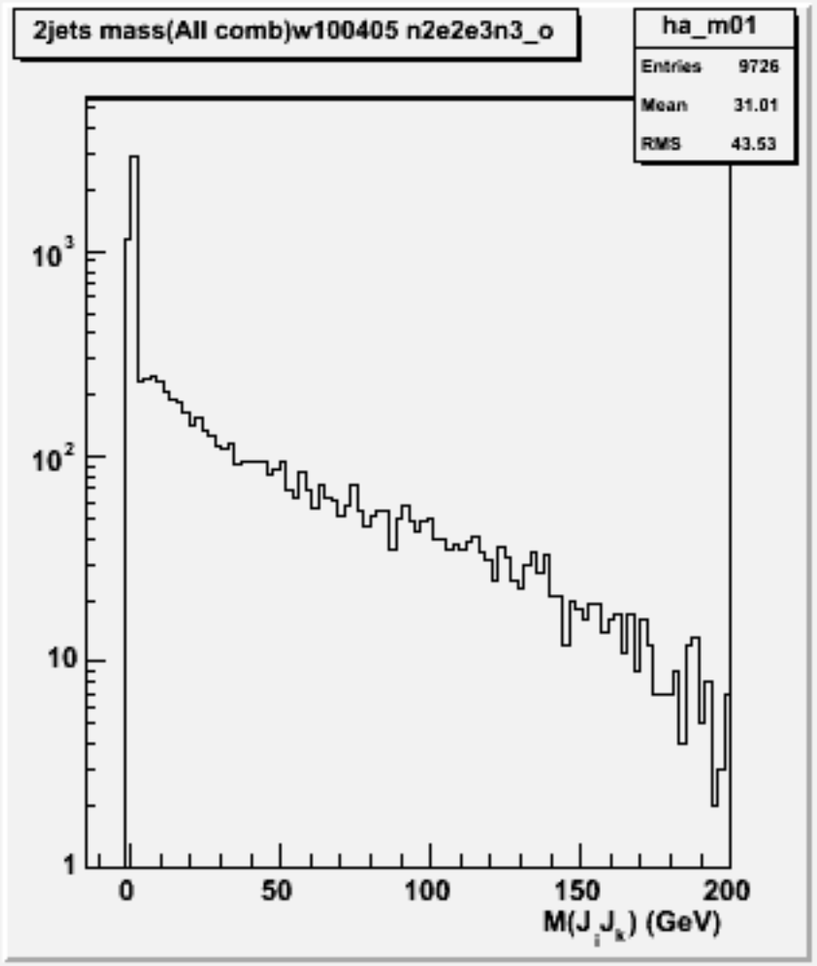

cos θ for 2-jets :w100405 n2e2e3n3_o
h_j0cs
Entries 15084
Mean 0.108
RMS 0.6533
1800
1600
1400
1200
1000
800
600
400
200
0
-1
-0.5
0
0.5
1
cos θ(jet)

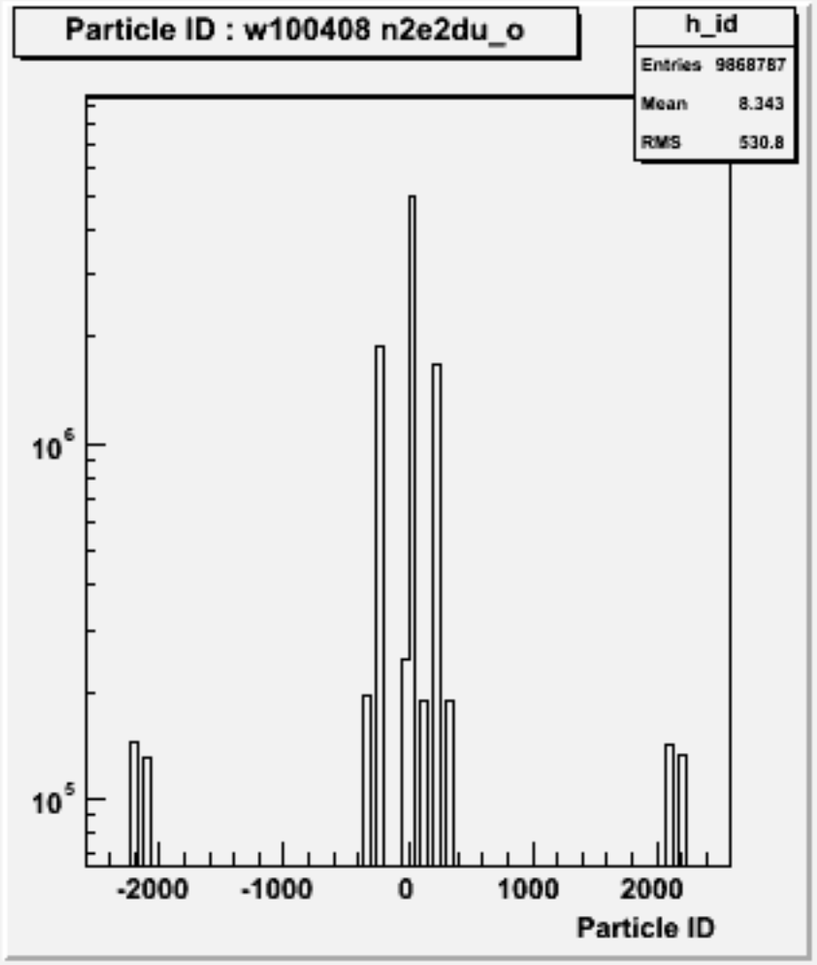

Jet mass for forced 2-jets : w100405 n2e2e3n3_o
h_j0mj1m
Entries 7542
Mean x 27.07
Mean y 10.99
RMS x 51.83
RMS y 19.48
Mass(jet2)
140
120
100
80
60
40
20
0
0
50
100
150
200
250
300
Mass(jet1)

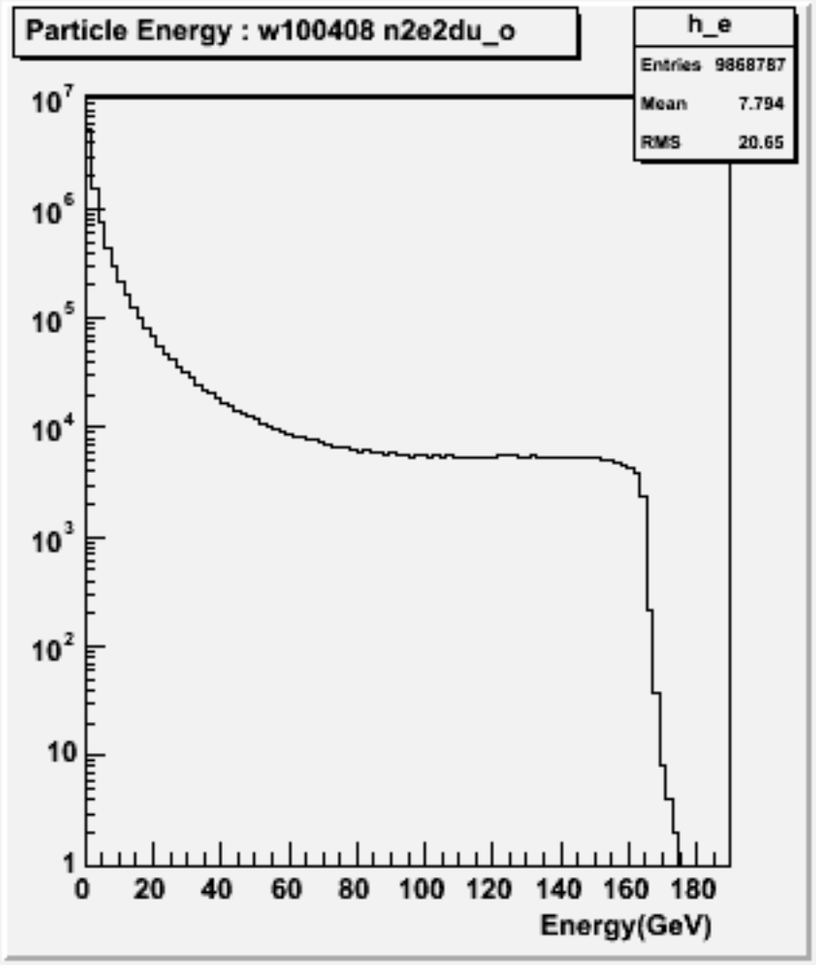

Ycut for 4-jets :w100405 n2e2e3n3_o
h_yc4j
Entries 1621
Mean 0.287
RMS 0.3452
ycut for forced 4-jets

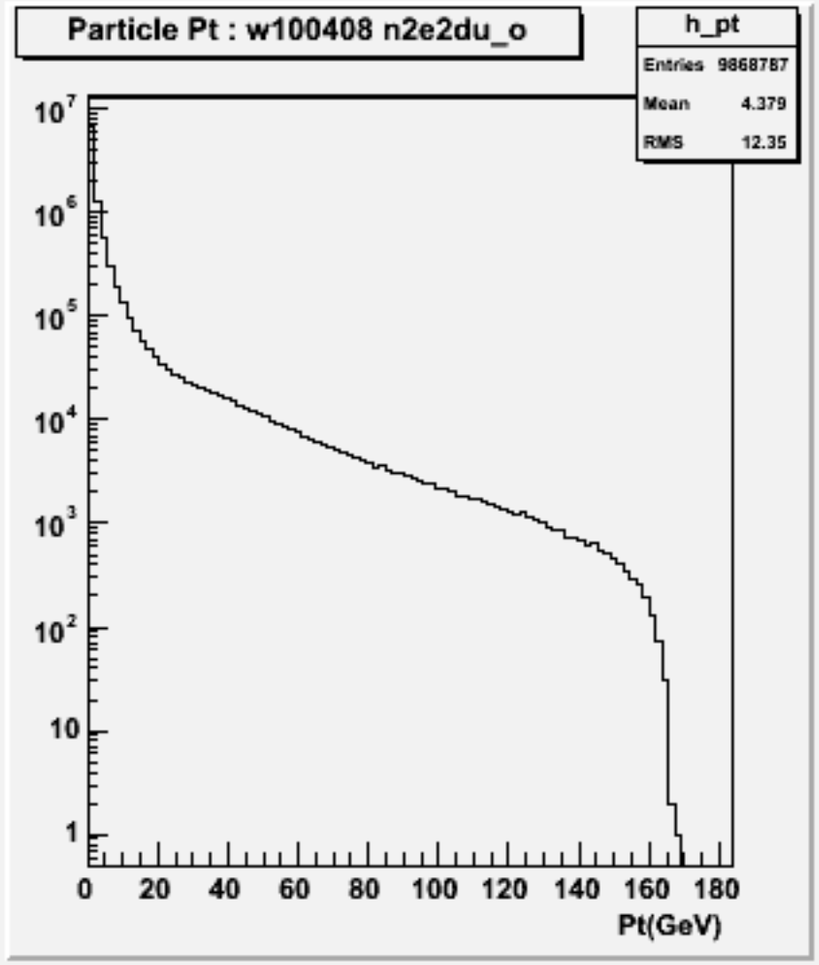

Jet energies(All jets)w100405 n2e2e3n3_o
ha_j0e
Entries 6484
Mean 37.47
RMS 40.05
E(Jet)

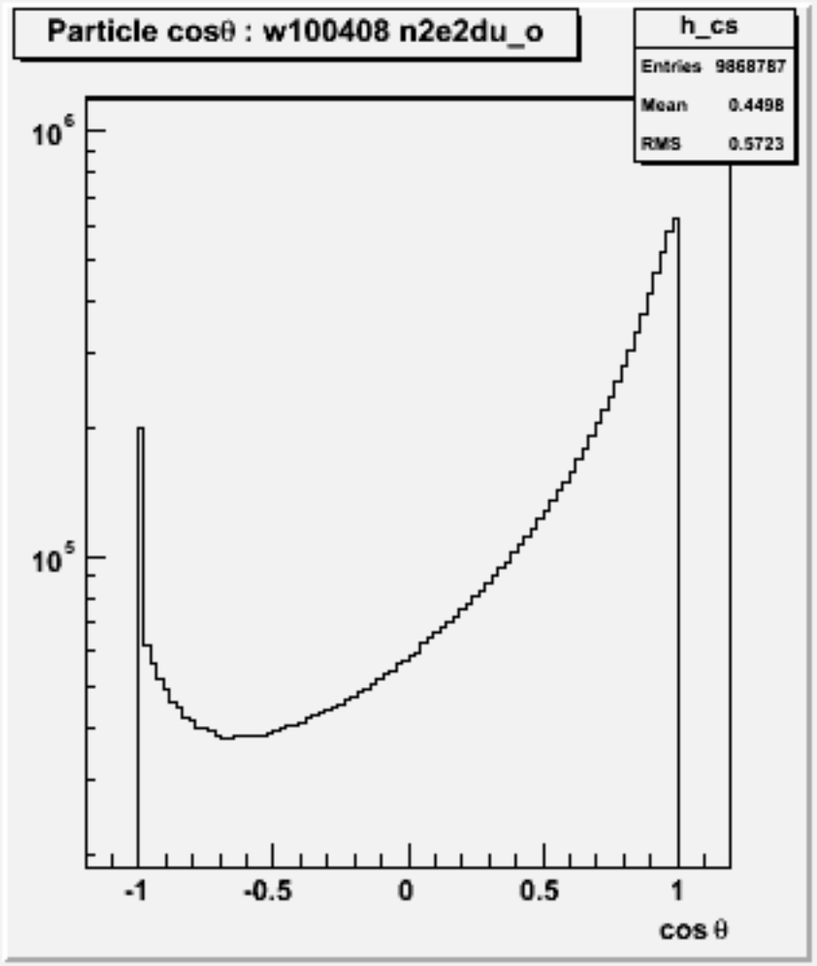

Jet cosθ (All jets)w100405 n2e2e3n3_o
ha_j0cs
Entries 6484
Mean 0.2534
RMS 0.7427
cos θ

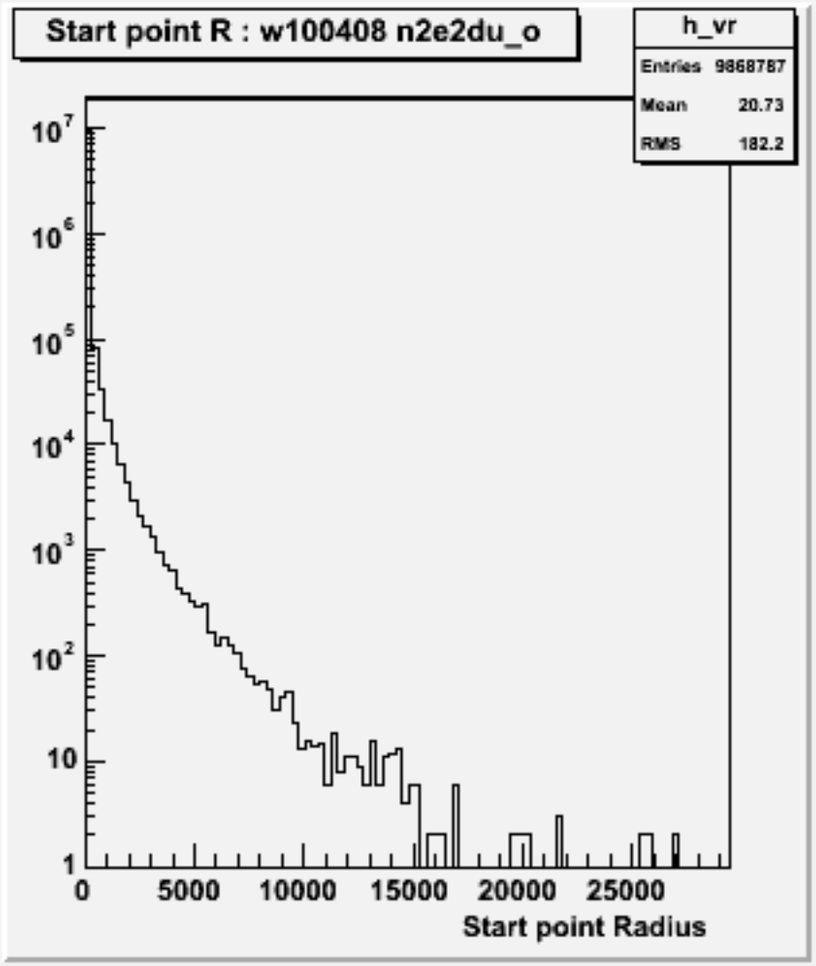

2jets mass(All comb)w100405 n2e2e3n3_o
ha_m01
Entries 9726
Mean 31.01
RMS 43.53
M(J_iJ_k) (GeV)

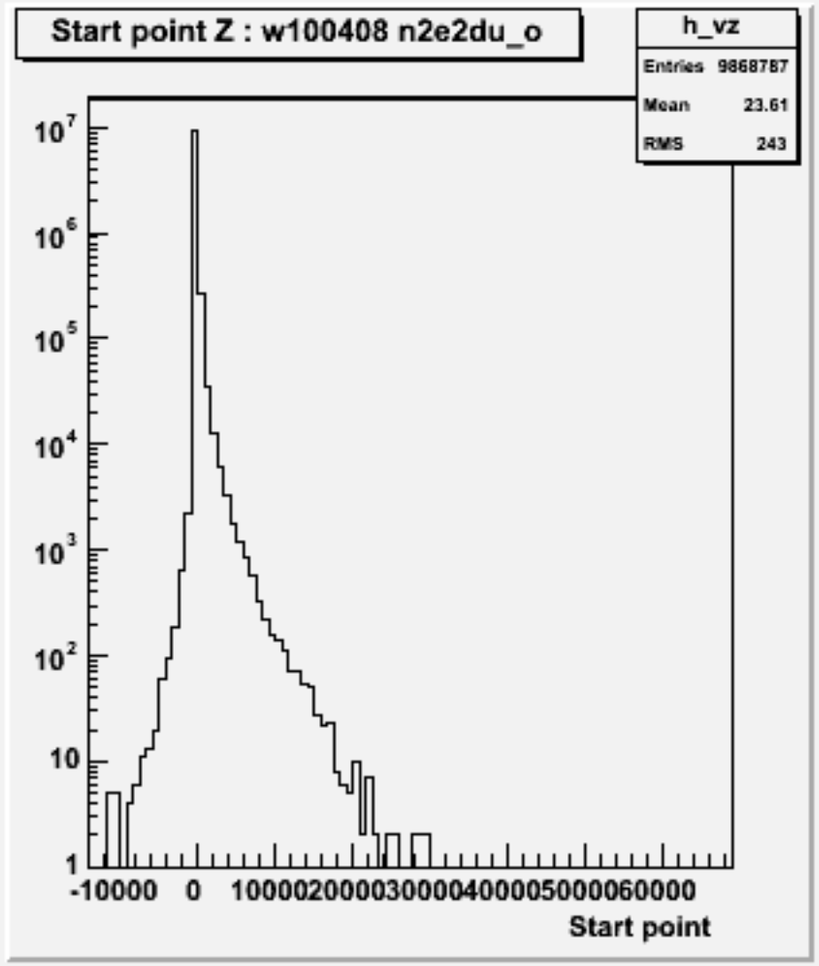

Particle ID : w100408 n2e2du_o
h_id
Entries 9868787
Mean 8.343
RMS 530.8
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

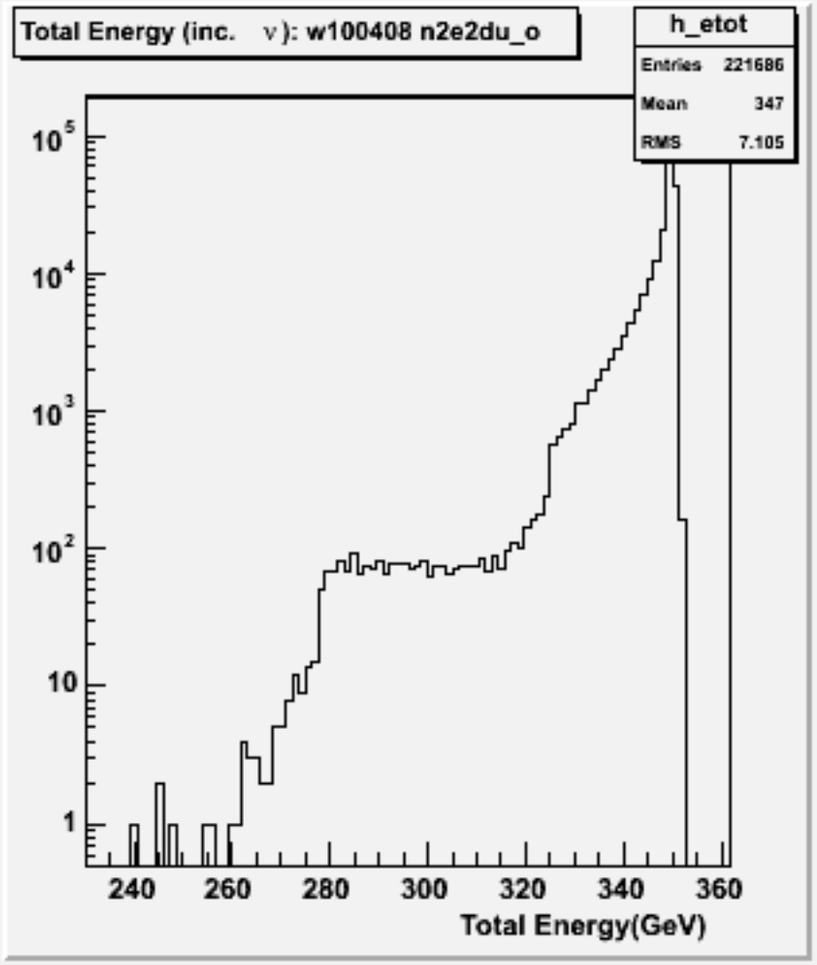

Particle Energy : w100408 n2e2du_o
h_e
Entries 9868787
Mean 7.794
RMS 20.65
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

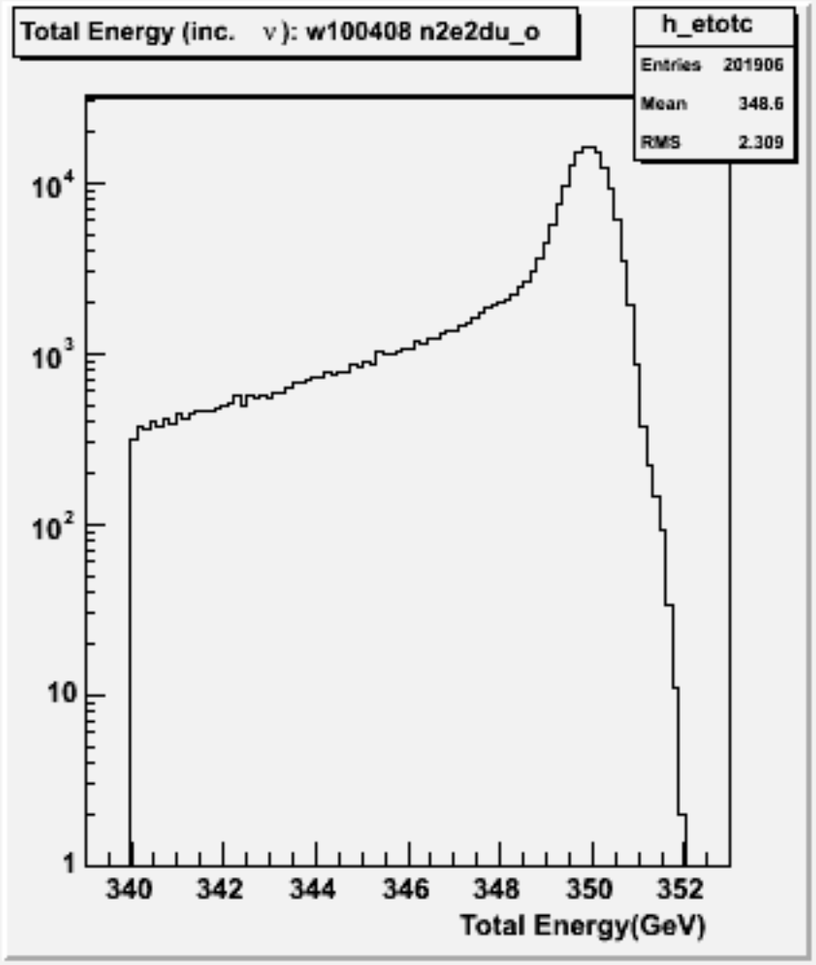

Particle Pt : w100408 n2e2du_o
h_pt
Entries 9868787
Mean 4.379
RMS 12.35
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

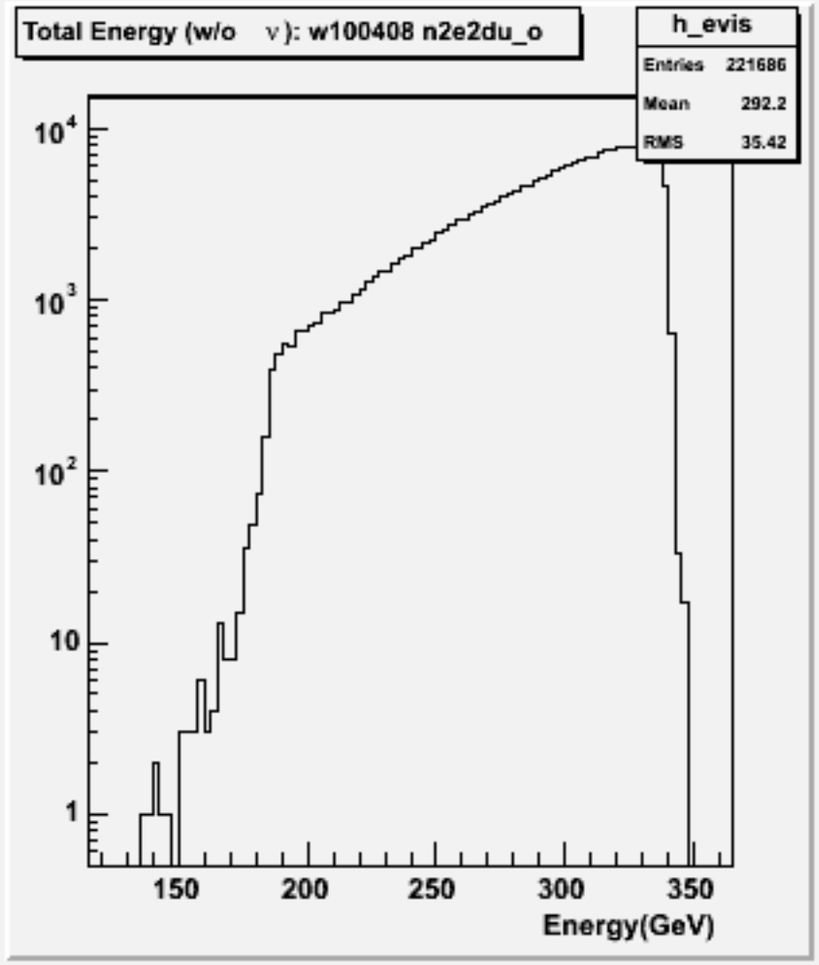

Particle cosθ : w100408 n2e2du_o
h_cs
Entries 9868787
Mean 0.4498
RMS 0.5723
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

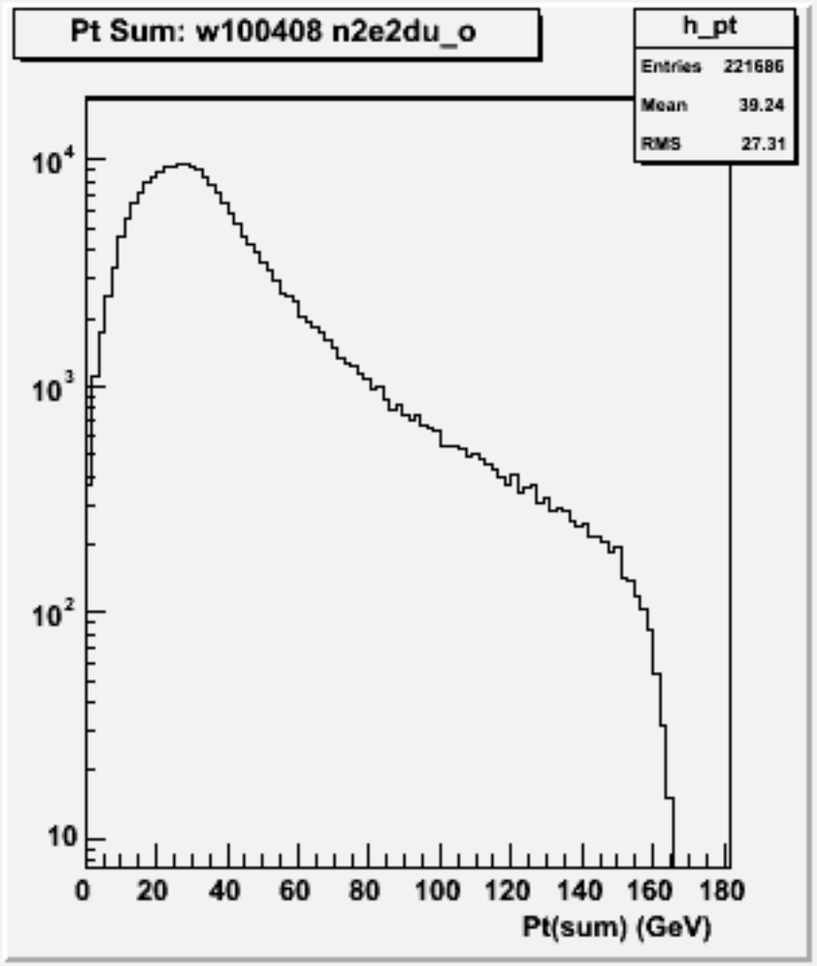

Start point R : w100408 n2e2du_o
h_vr
Entries 9868787
Mean 20.73
RMS 182.2
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

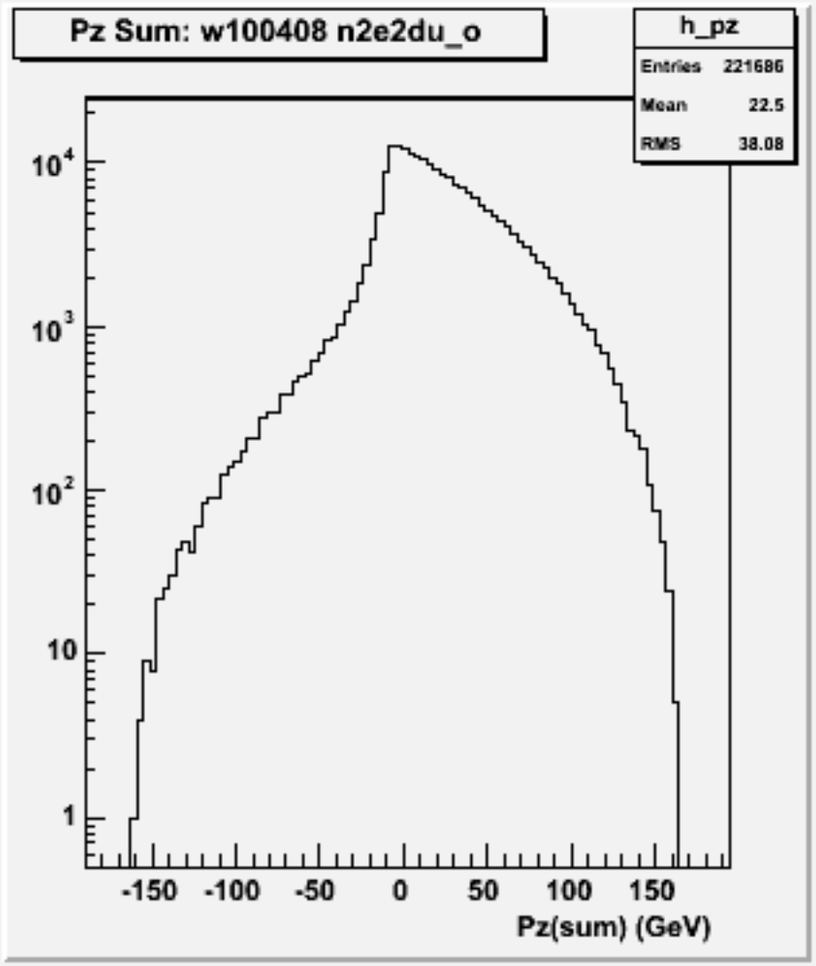

Start point Z : w100408 n2e2du_o
h_vz
Entries 9868787
Mean 23.61
RMS 243
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-10000
0
10000
20000
30000
40000
50000
60000
Start point

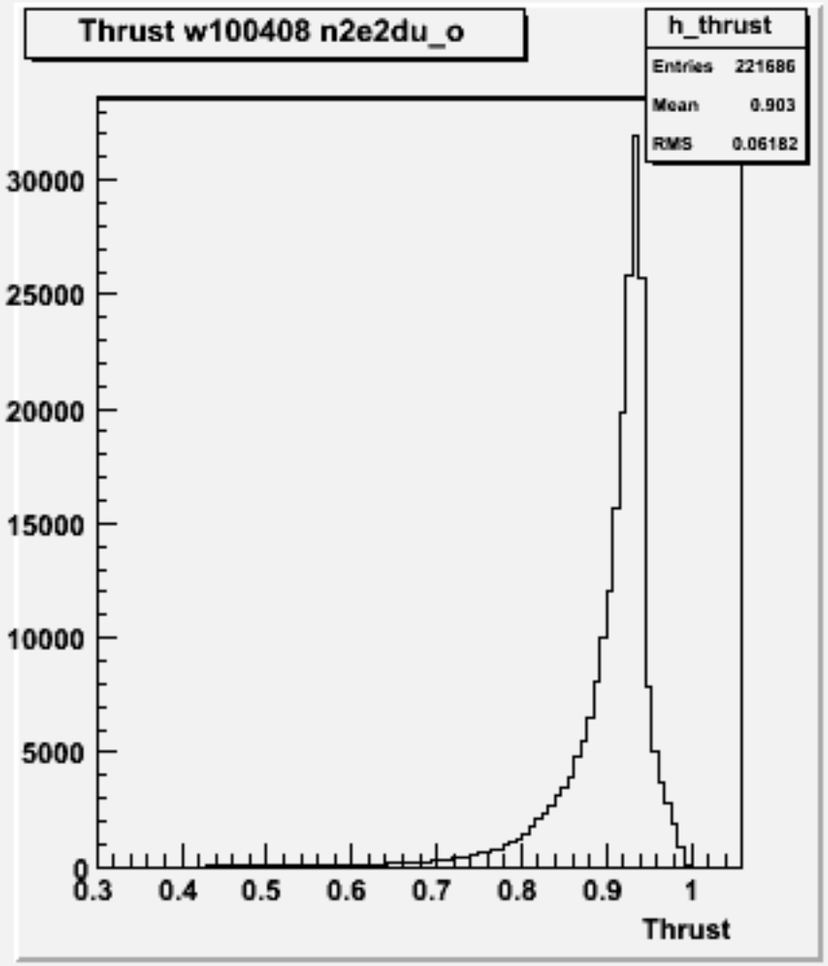

Total Energy (inc. ν): w100408 n2e2du_o
h_etot
Entries 221686
Mean 347
RMS 7.105
Total Energy(GeV)

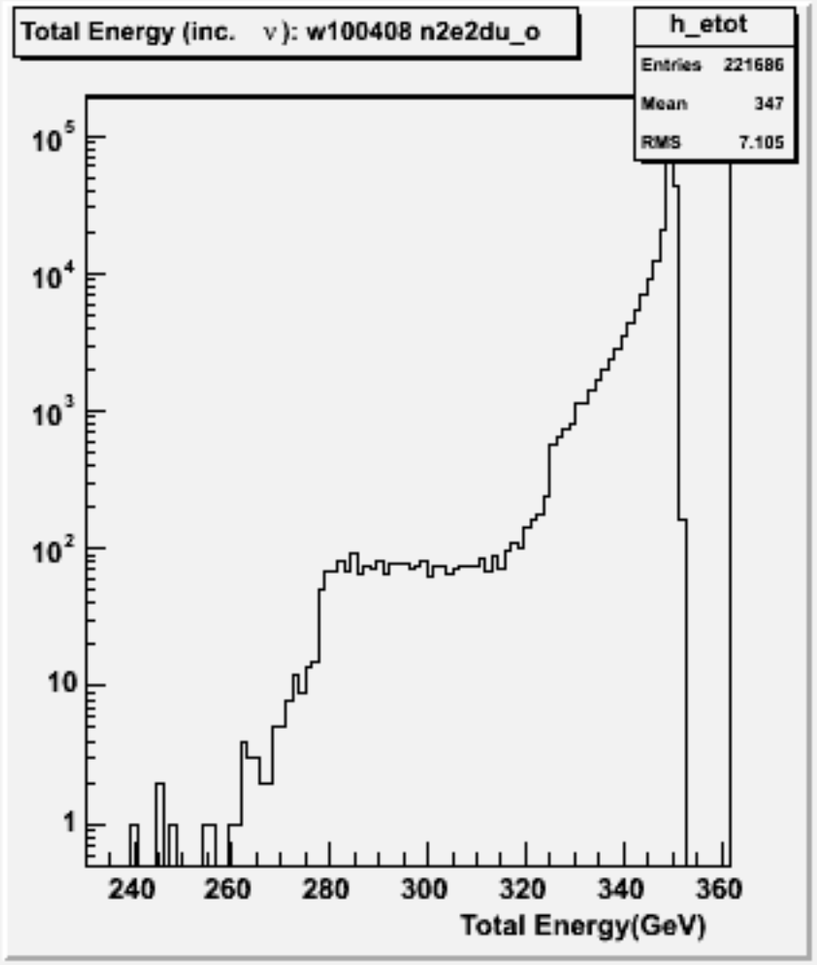

Total Energy (inc. ν): w100408 n2e2du_o
h_etotc
Entries 201906
Mean 348.6
RMS 2.309
Total Energy(GeV)

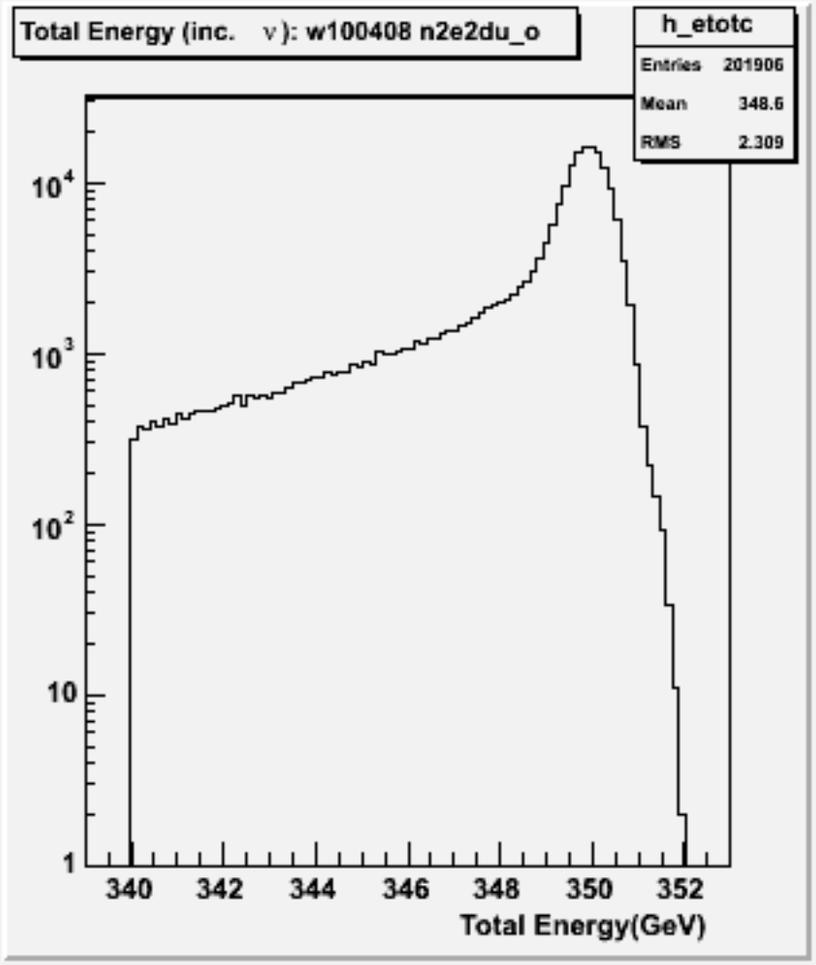

Total Energy (w/o ν): w100408 n2e2du_o
h_evis
Entries 221686
Mean 292.2
RMS 35.42
Energy(GeV)

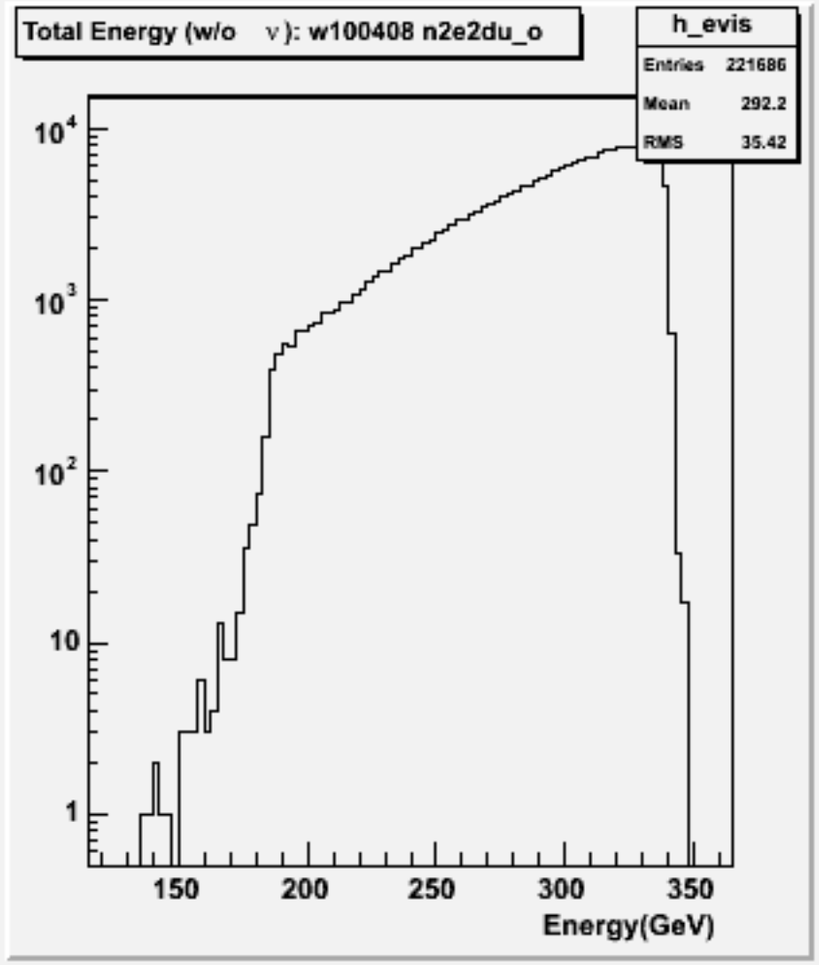

Pt Sum: w100408 n2e2du_o
h_pt
Entries 221686
Mean 39.24
RMS 27.31
Pt(sum) (GeV)

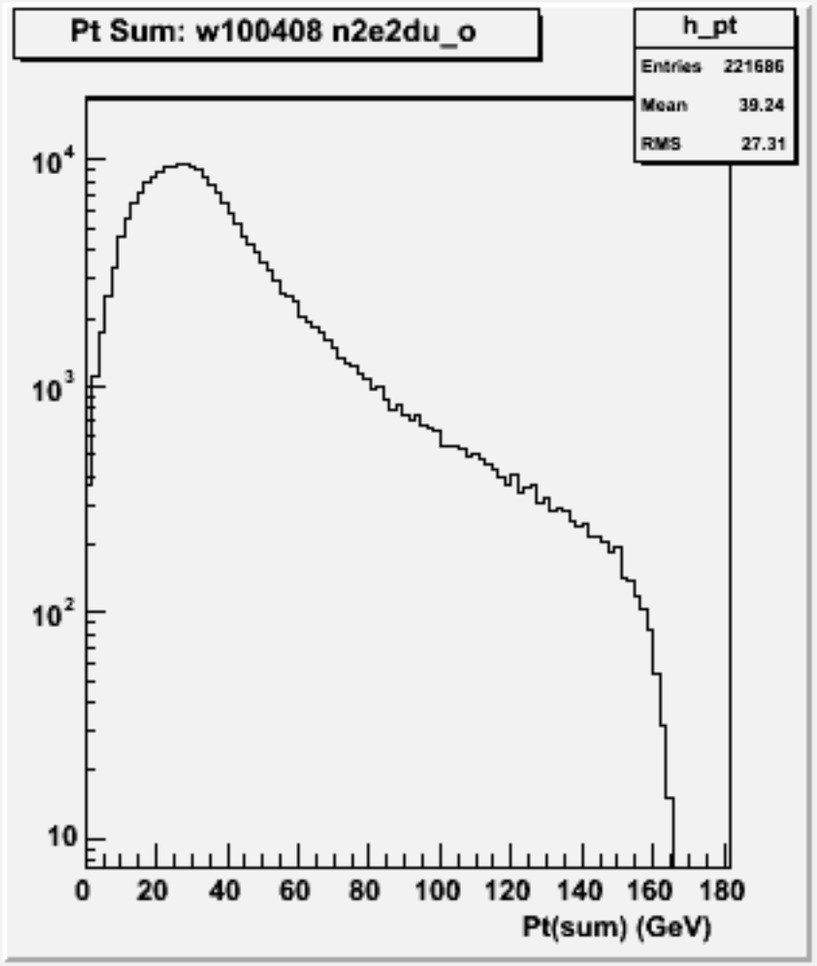

Pz Sum: w100408 n2e2du_o
h_pz
Entries 221686
Mean 22.5
RMS 38.08
Pz(sum) (GeV)

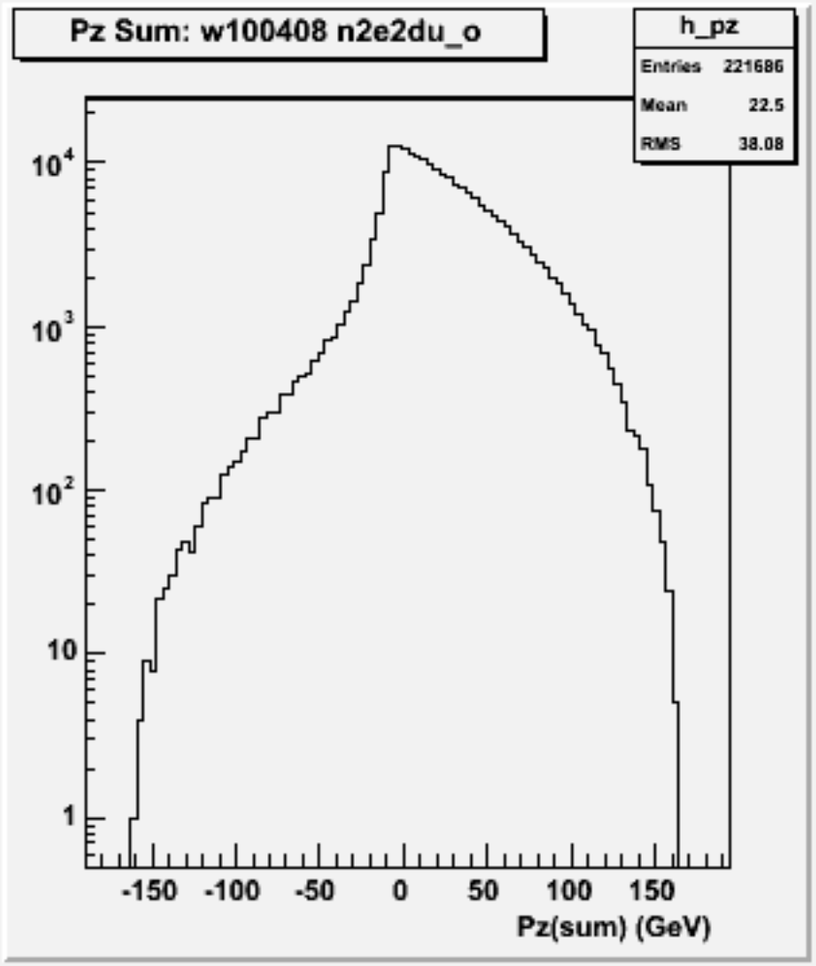

Thrust w100408 n2e2du_o
h_thrust
Entries 221686
Mean 0.903
RMS 0.06182
Thrust

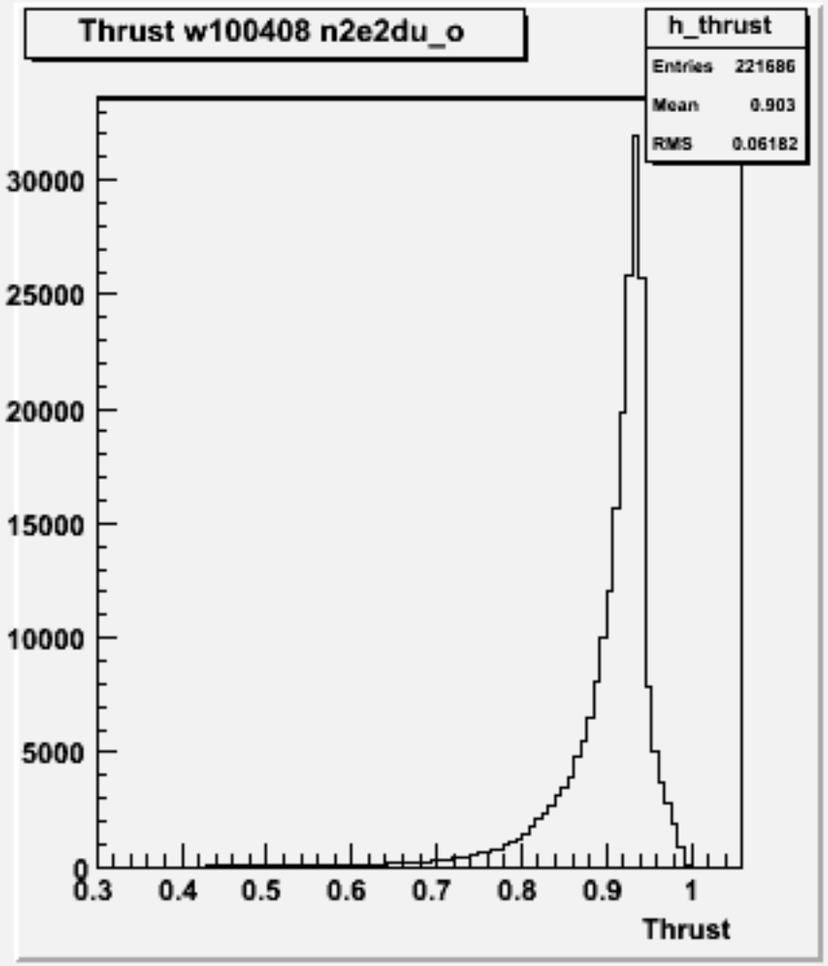

Total Energy (inc. ν): w100408 n2e2du_o
h_etot
Entries 221686
Mean 347
RMS 7.105
Total Energy(GeV)

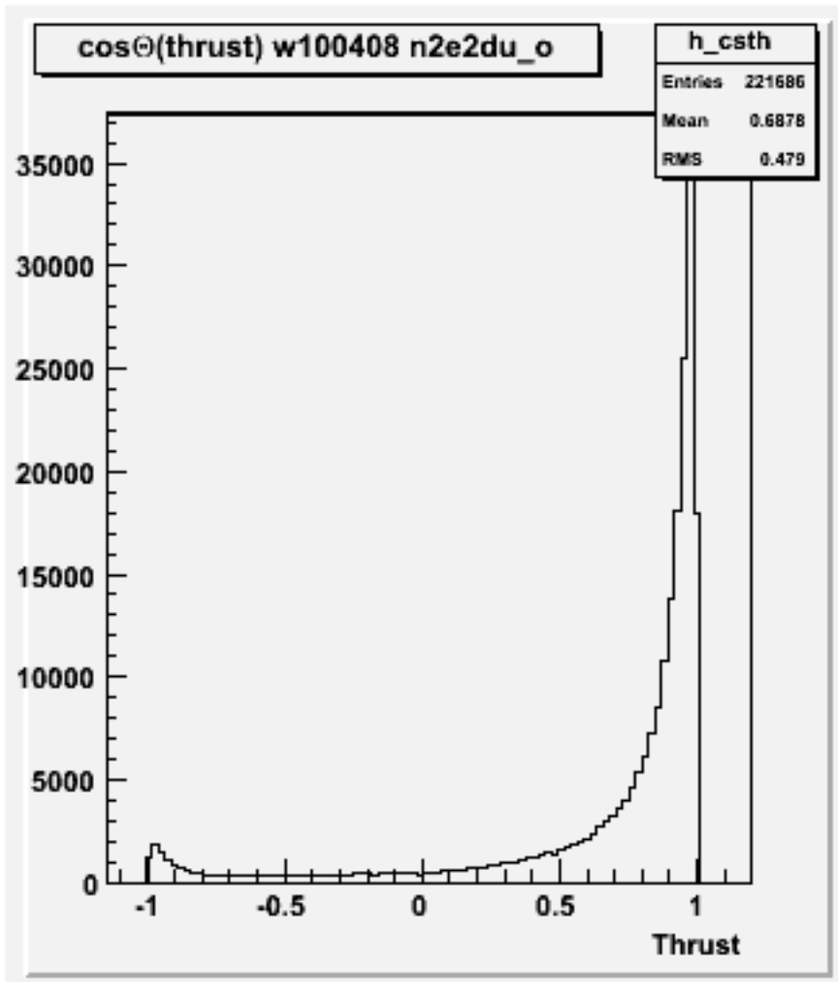

Total Energy (inc. ν): w100408 n2e2du_o
h_etotc
Entries 201906
Mean 348.6
RMS 2.309
Total Energy(GeV)

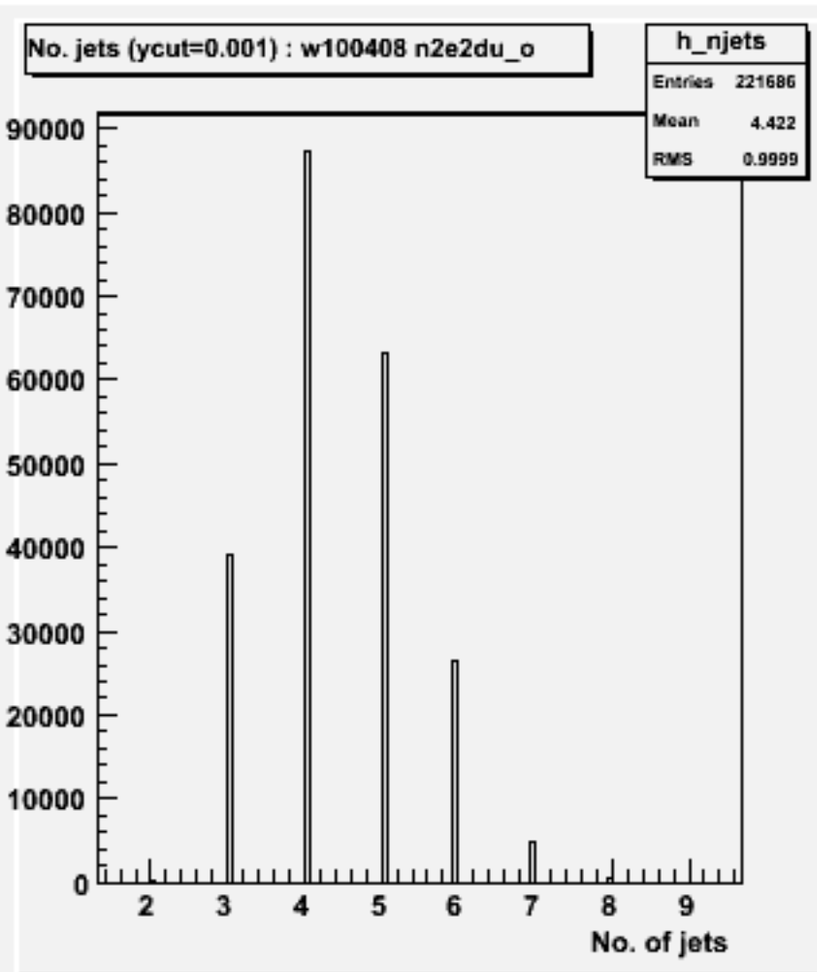

Total Energy (w/o ν): w100408 n2e2du_o
h_evis
Entries 221686
Mean 292.2
RMS 35.42
Energy(GeV)

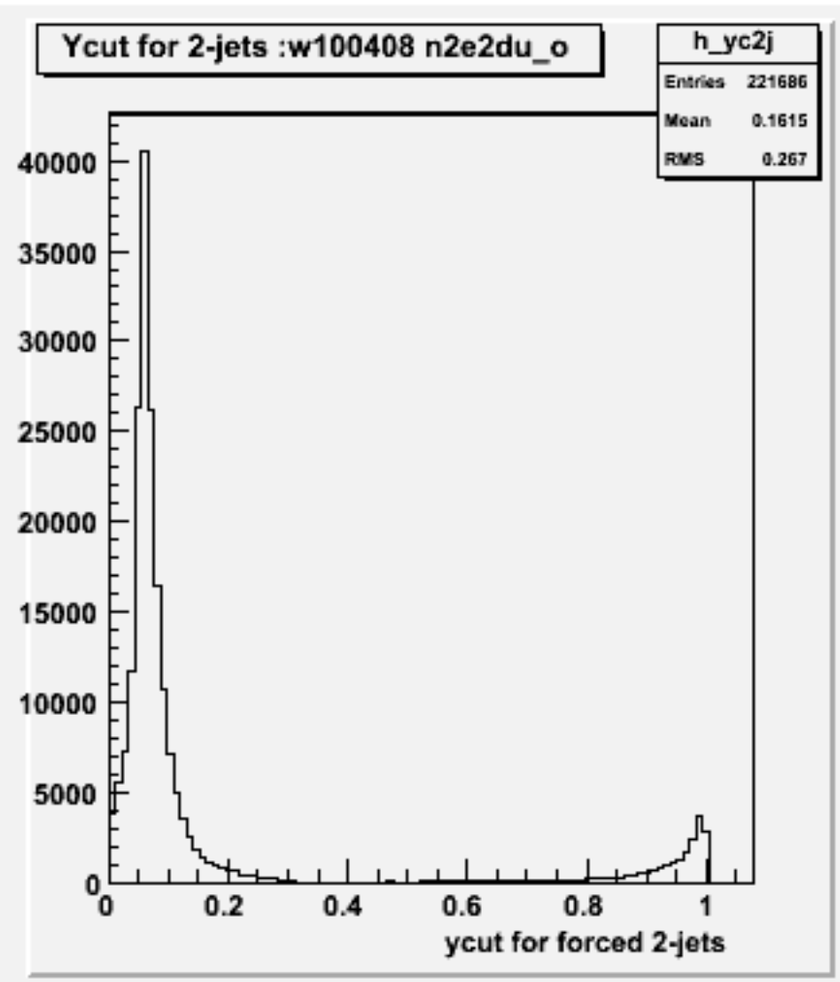

Pt Sum: w100408 n2e2du_o
h_pt
Entries 221686
Mean 39.24
RMS 27.31
Pt(sum) (GeV)

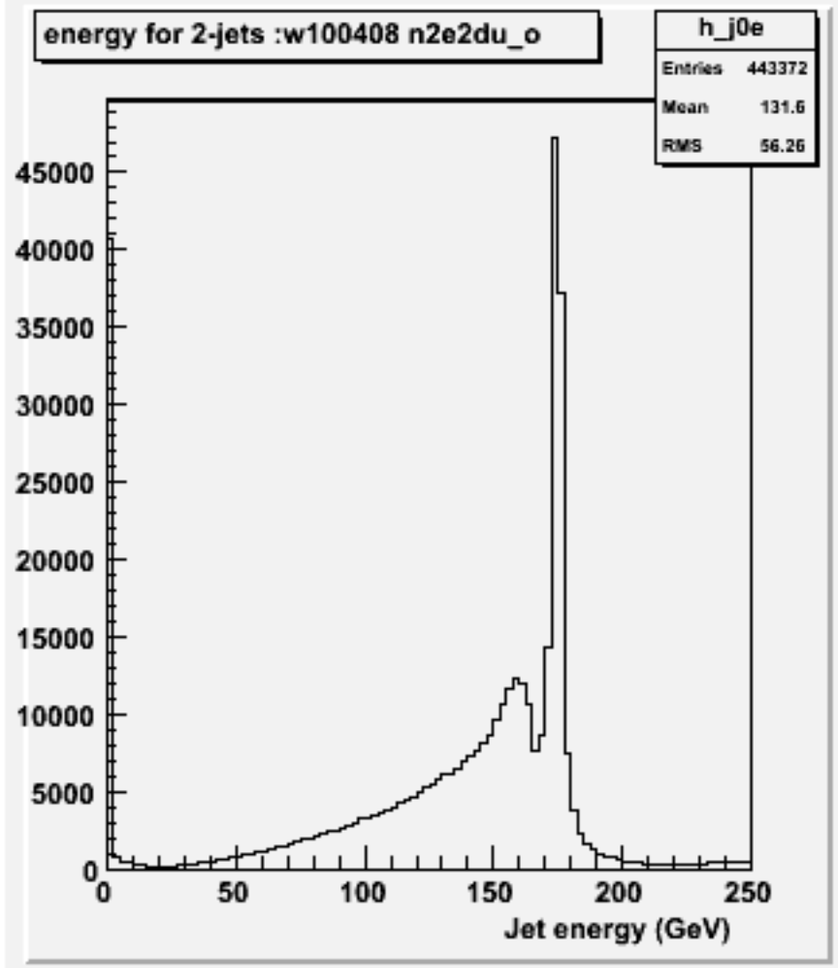

Pz Sum: w100408 n2e2du_o
h_pz
Entries 221686
Mean 22.5
RMS 38.08
Pz(sum) (GeV)

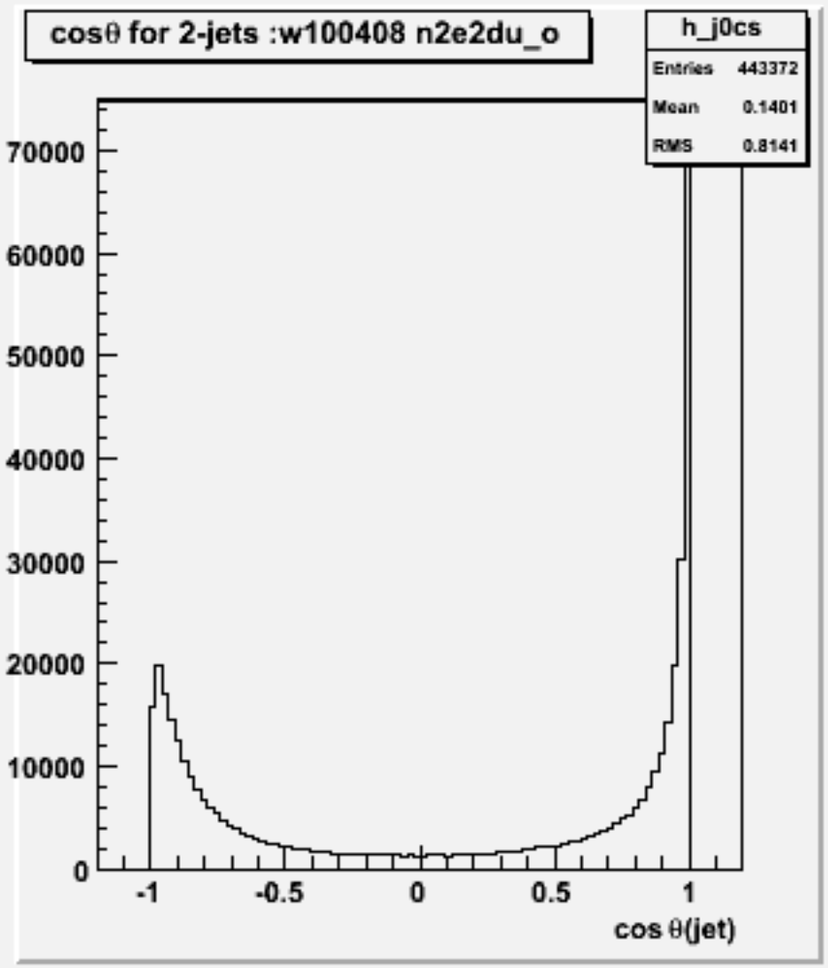

Thrust w100408 n2e2du_o
h_thrust
Entries 221686
Mean 0.903
RMS 0.06182
Thrust

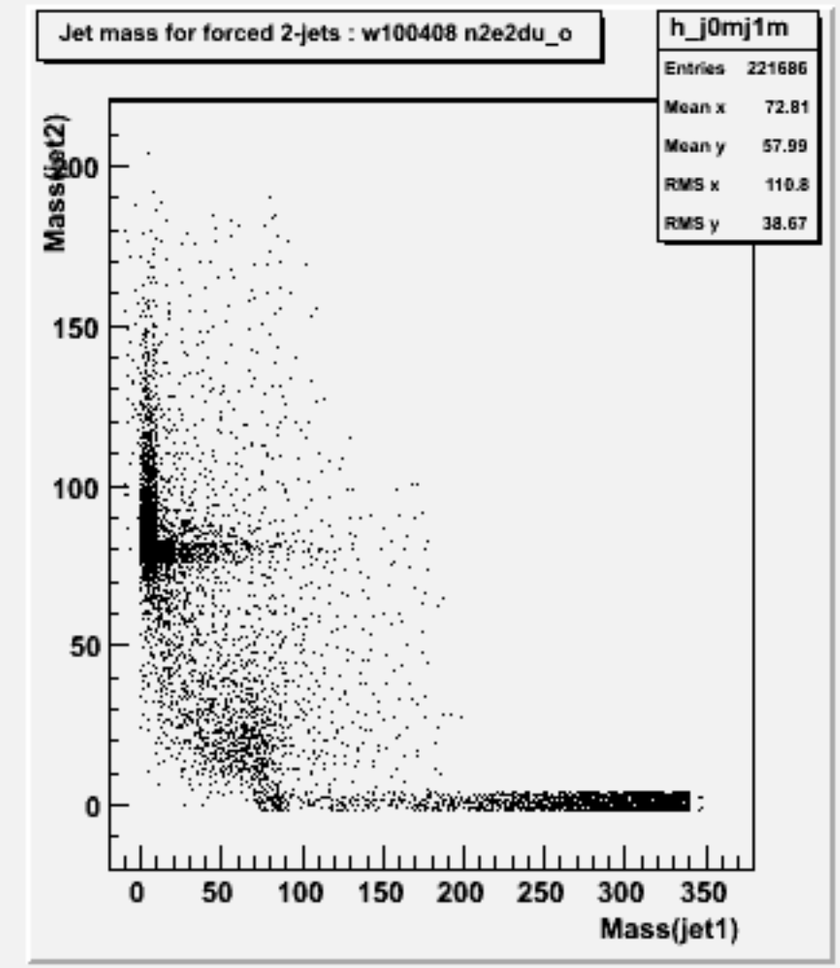

cosΘ(thrust) w100408 n2e2du_o
h_csth
Entries 221686
Mean 0.6878
RMS 0.479
Thrust

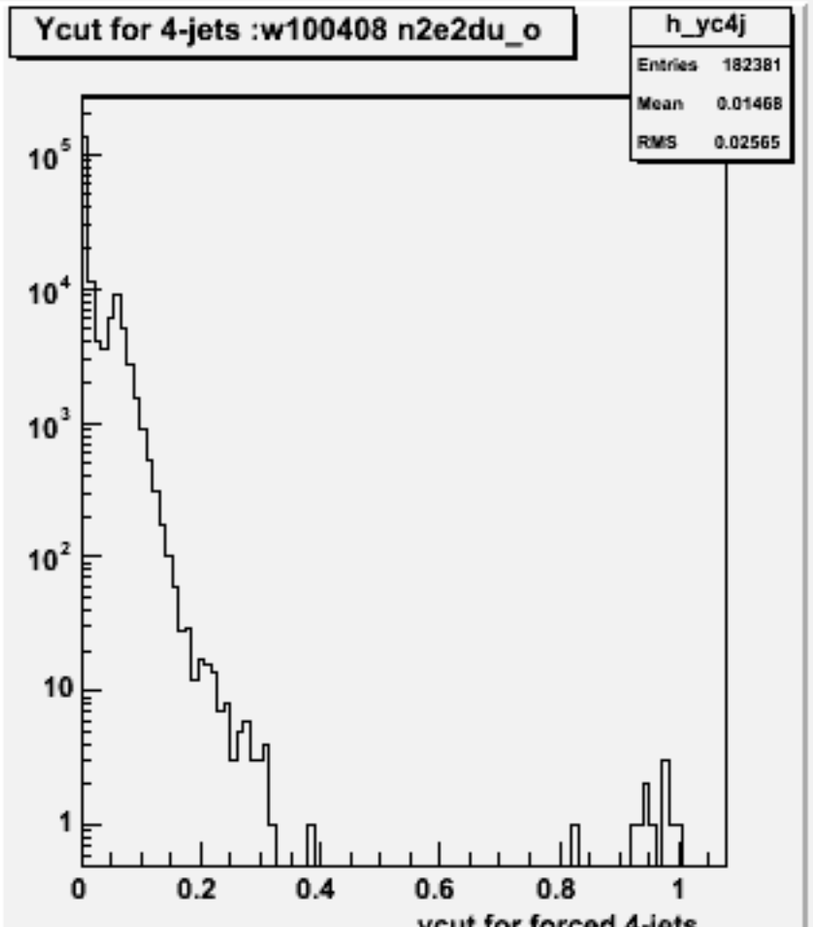

No. jets (ycut=0.001) : w100408 n2e2du_o
h_njets
Entries 221686
Mean 4.422
RMS 0.9999
No. of jets

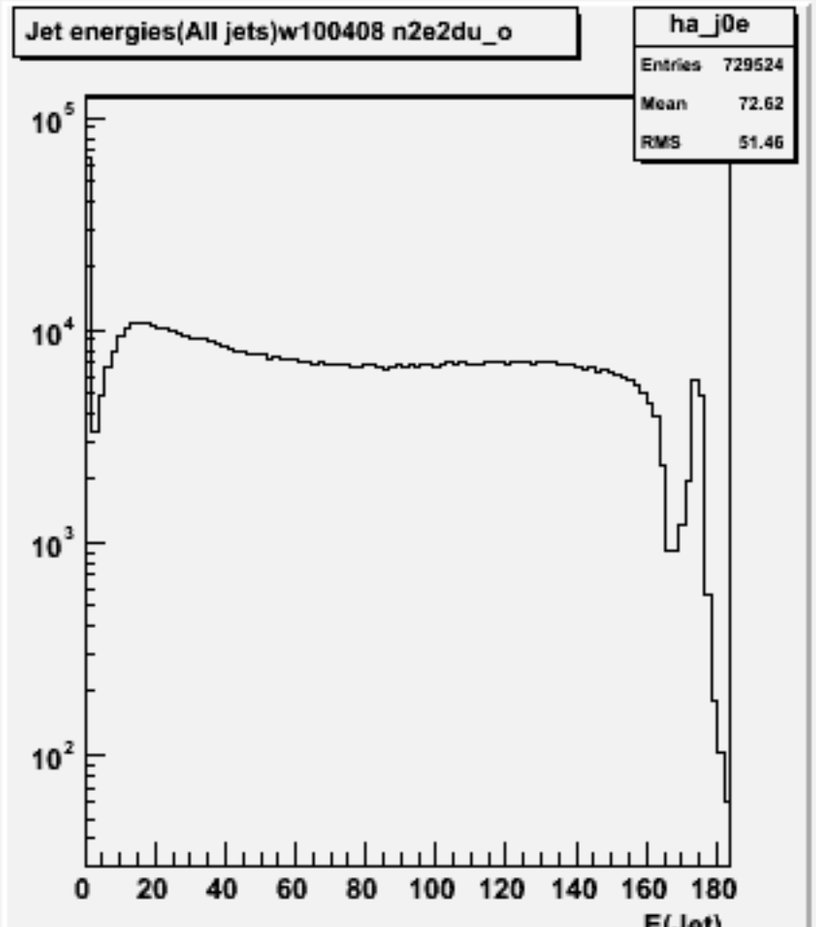

Ycut for 2-jets :w100408 n2e2du_o
h_yc2j
Entries 221686
Mean 0.1615
RMS 0.267
ycut for forced 2-jets

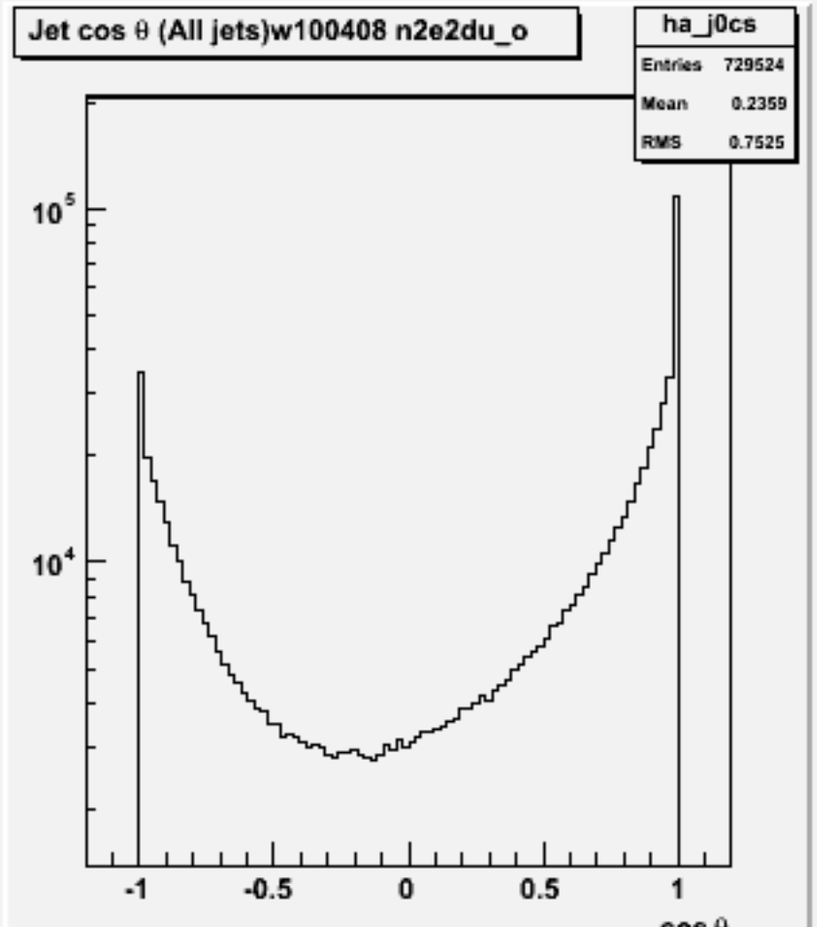

energy for 2-jets :w100408 n2e2du_o
h_j0e
Entries 443372
Mean 131.6
RMS 56.26
Jet energy (GeV)

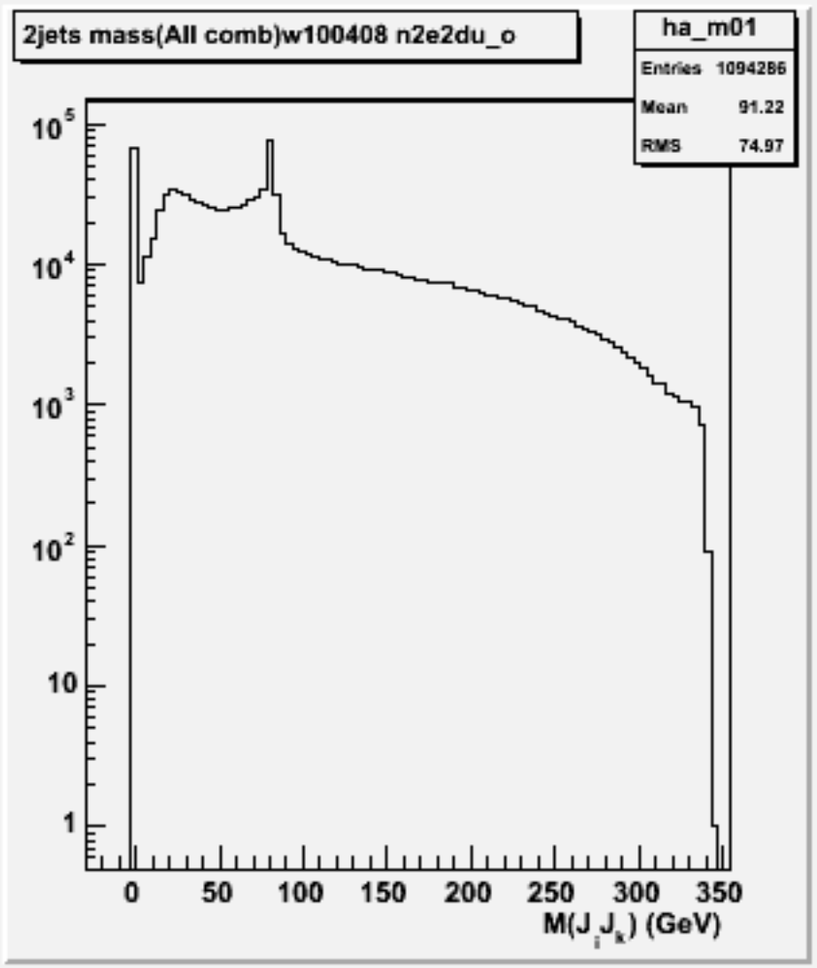

cosθ for 2-jets :w100408 n2e2du_o
h_j0cs
Entries 443372
Mean 0.1401
RMS 0.8141
cos θ(jet)

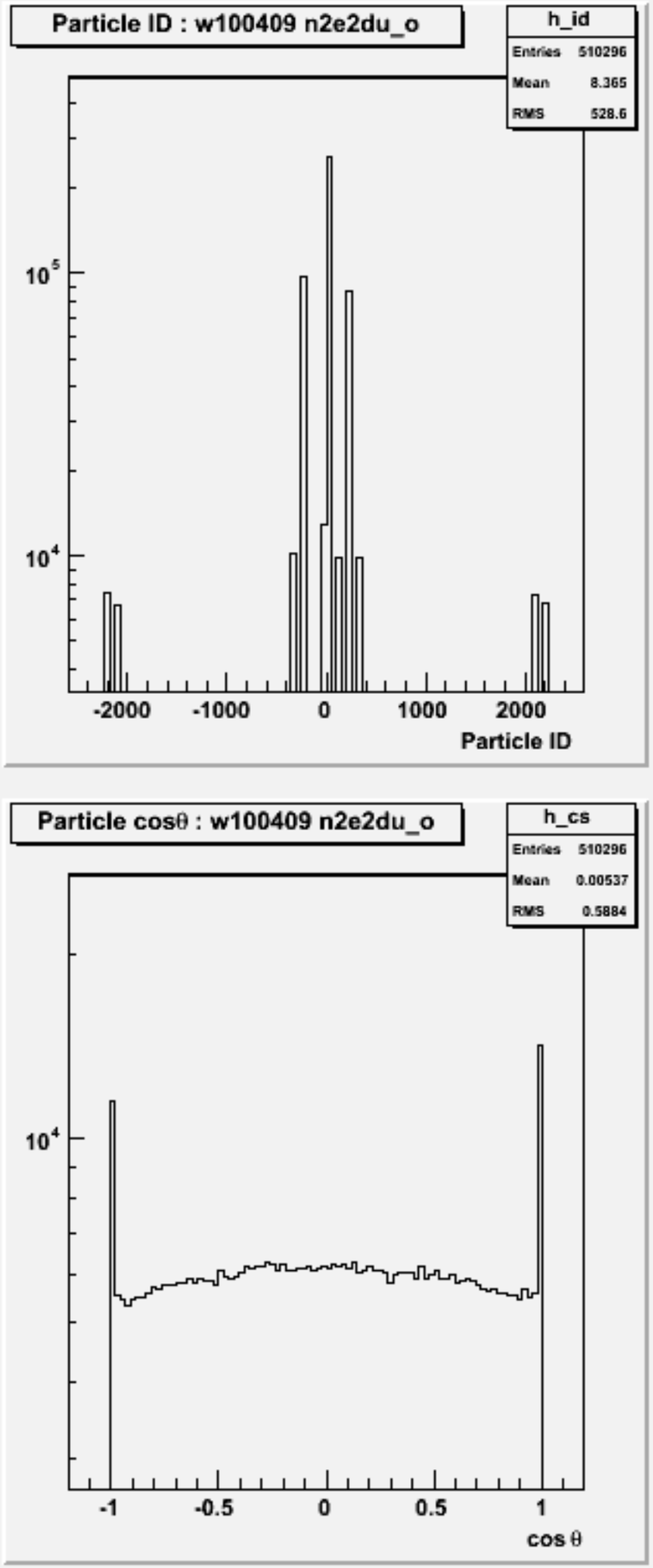

Jet mass for forced 2-jets : w100408 n2e2du_o
h_j0mj1m
Entries 221686
Mean x 72.81
Mean y 57.99
RMS x 110.8
RMS y 38.67
Mass(jet2)
Mass(jet1)

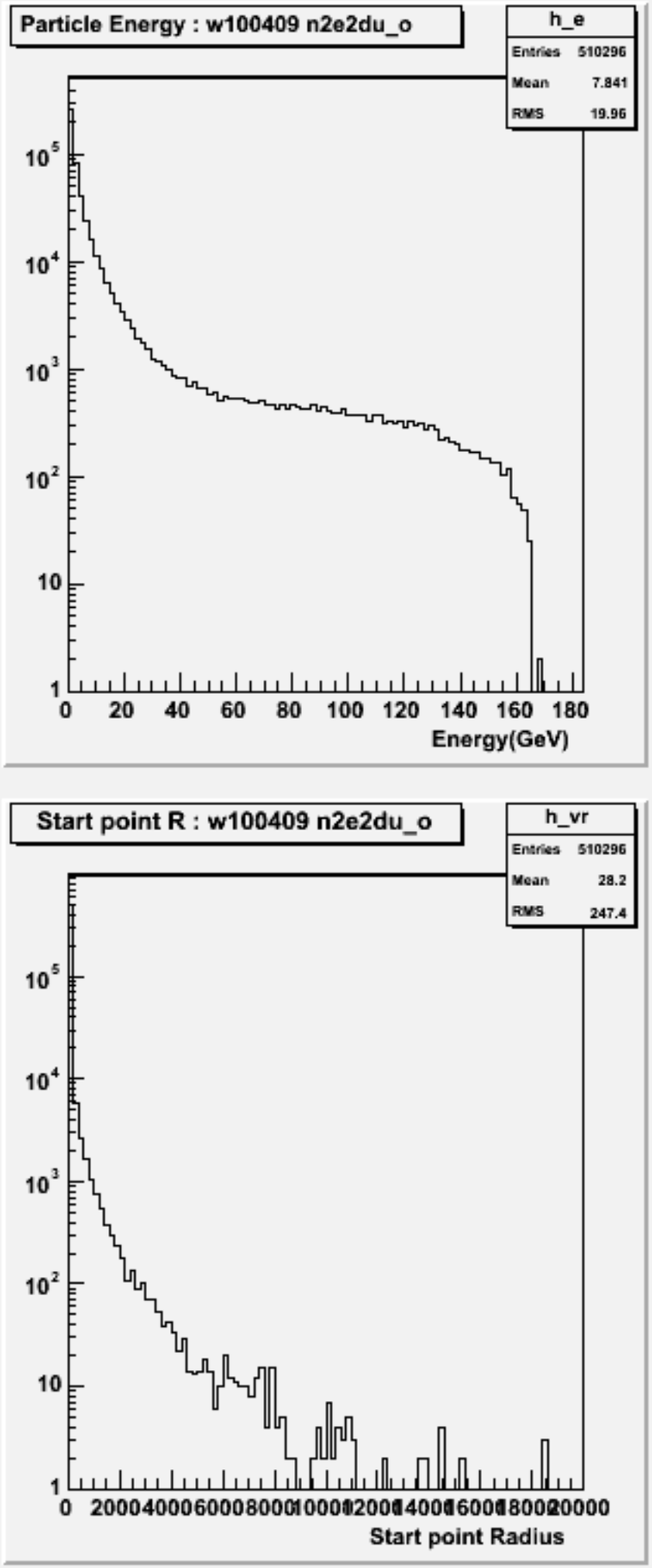

Ycut for 4-jets :w100408 n2e2du_o
h_yc4j
Entries 182381
Mean 0.01468
RMS 0.02565
ycut for forced 4-jets

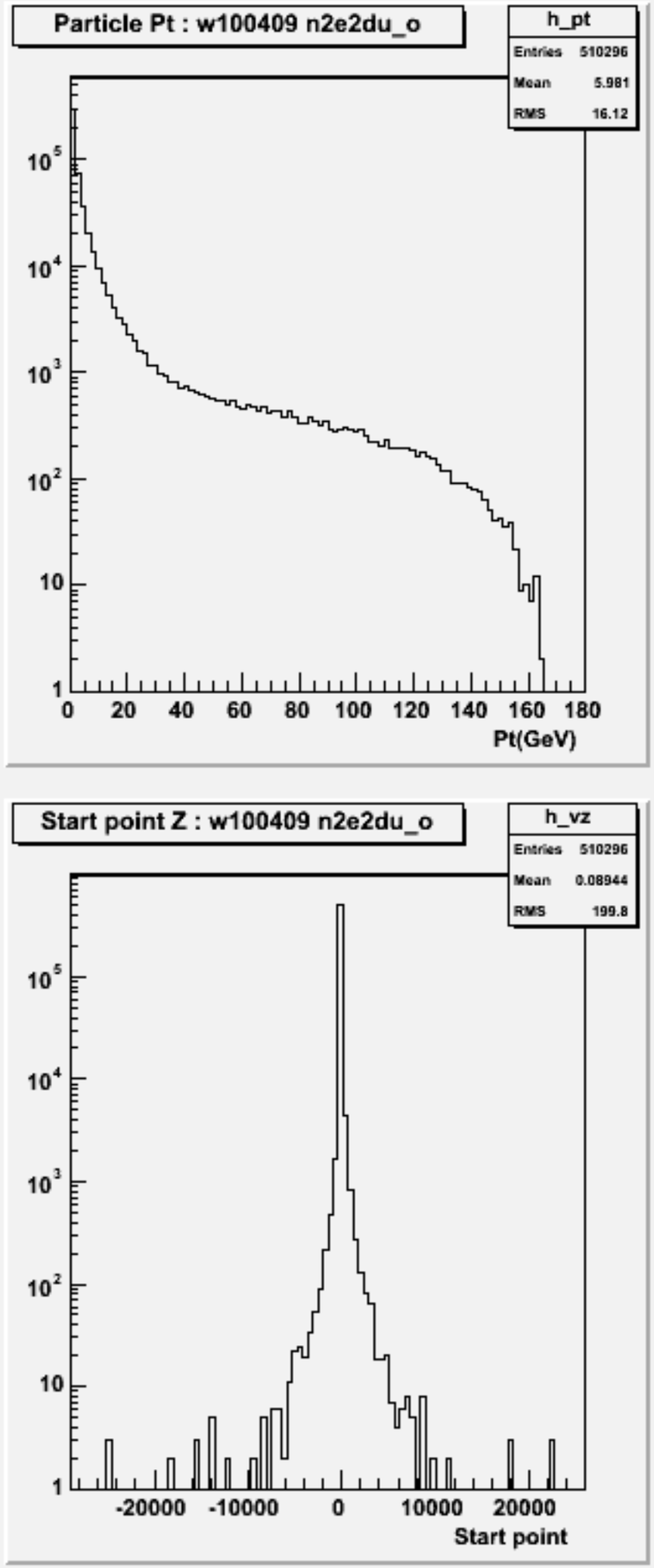

Jet energies(All jets)w100408 n2e2du_o
ha_j0e
Entries 729524
Mean 72.62
RMS 51.46
E(Jet)


Jet cos θ (All jets)w100408 n2e2du_o
ha_j0cs
Entries 729524
Mean 0.2359
RMS 0.7525
cos θ


2jets mass(All comb)w100408 n2e2du_o
ha_m01
Entries 1094286
Mean 91.22
RMS 74.97
M(J_iJ_k) (GeV)


Particle ID : w100409 n2e2du_o
h_id
Entries 510296
Mean 8.365
RMS 528.6
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

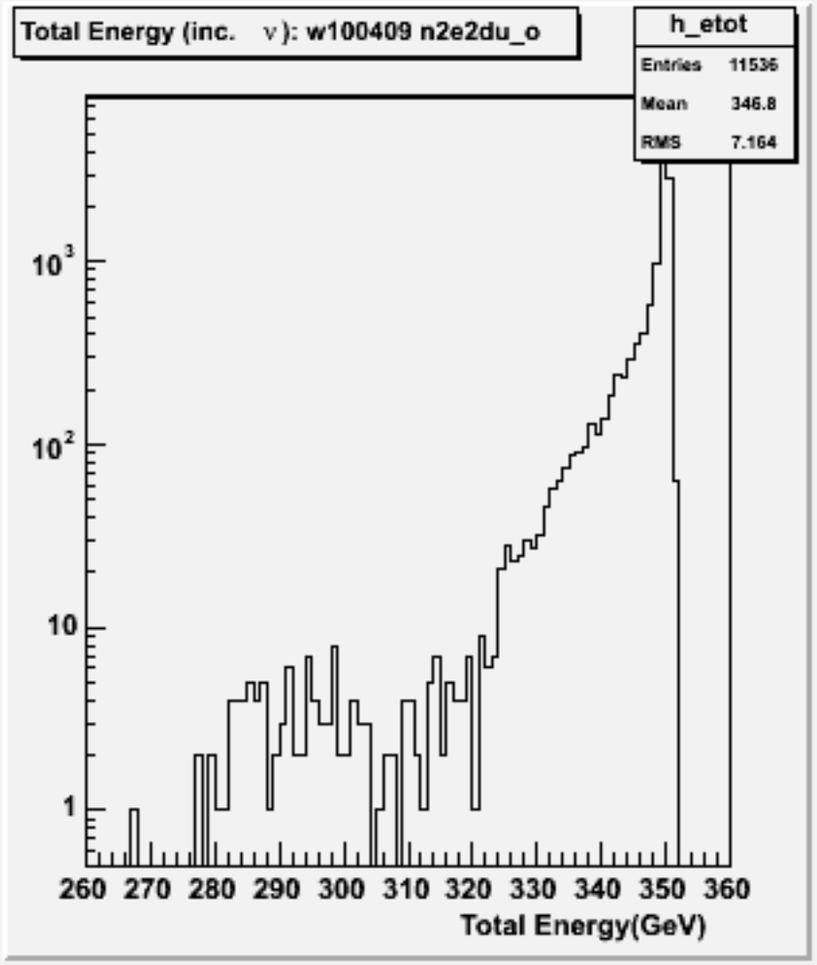

Particle Energy : w100409 n2e2du_o
h_e
Entries 510296
Mean 7.841
RMS 19.96
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

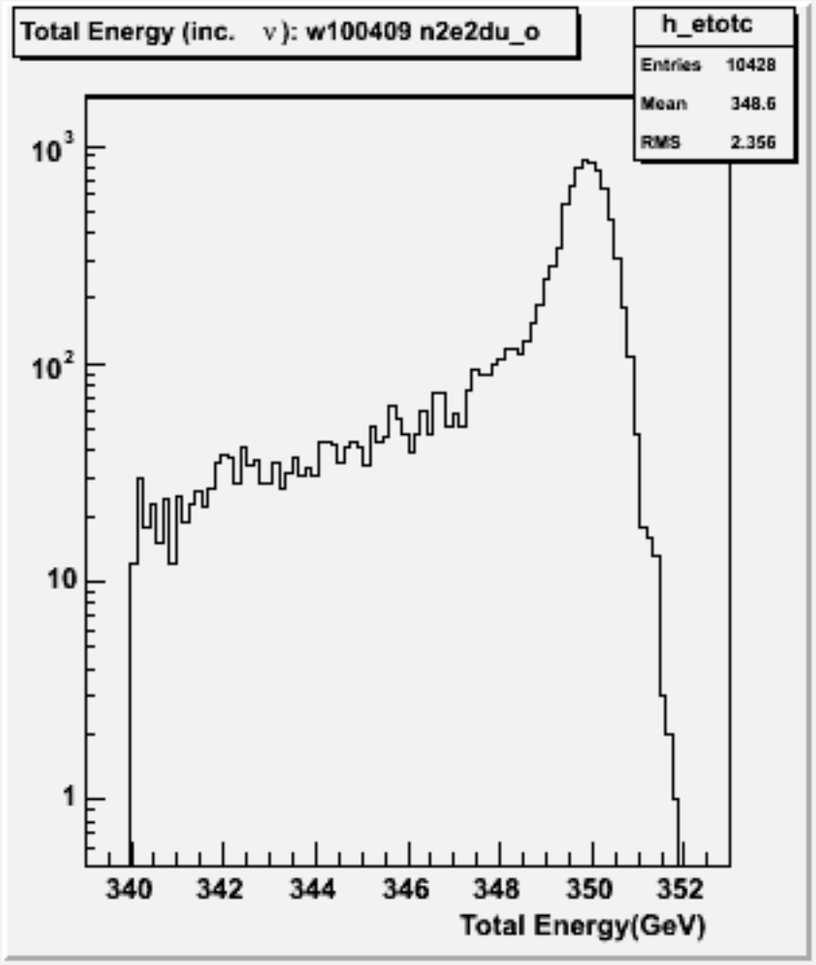

Particle Pt : w100409 n2e2du_o
h_pt
Entries 510296
Mean 5.981
RMS 16.12
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

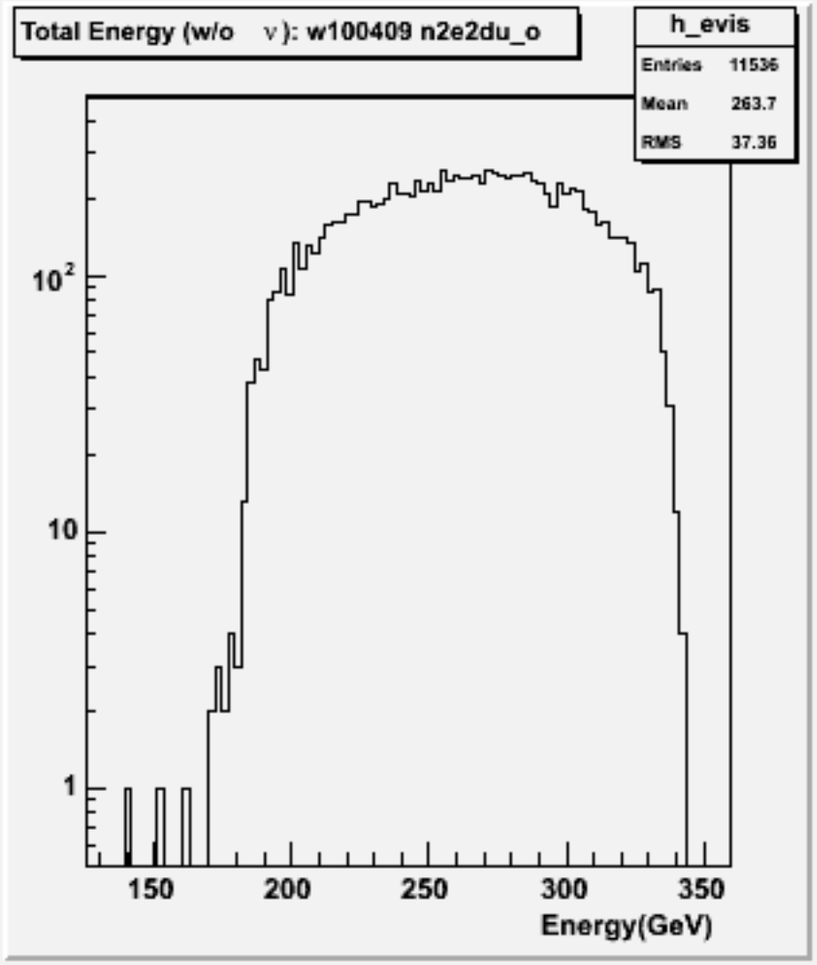
Particle cosθ : w100409 n2e2du_o
h_cs
Entries 510296
Mean 0.00537
RMS 0.5884
10^4
-1
-0.5
0
0.5
1
cos θ

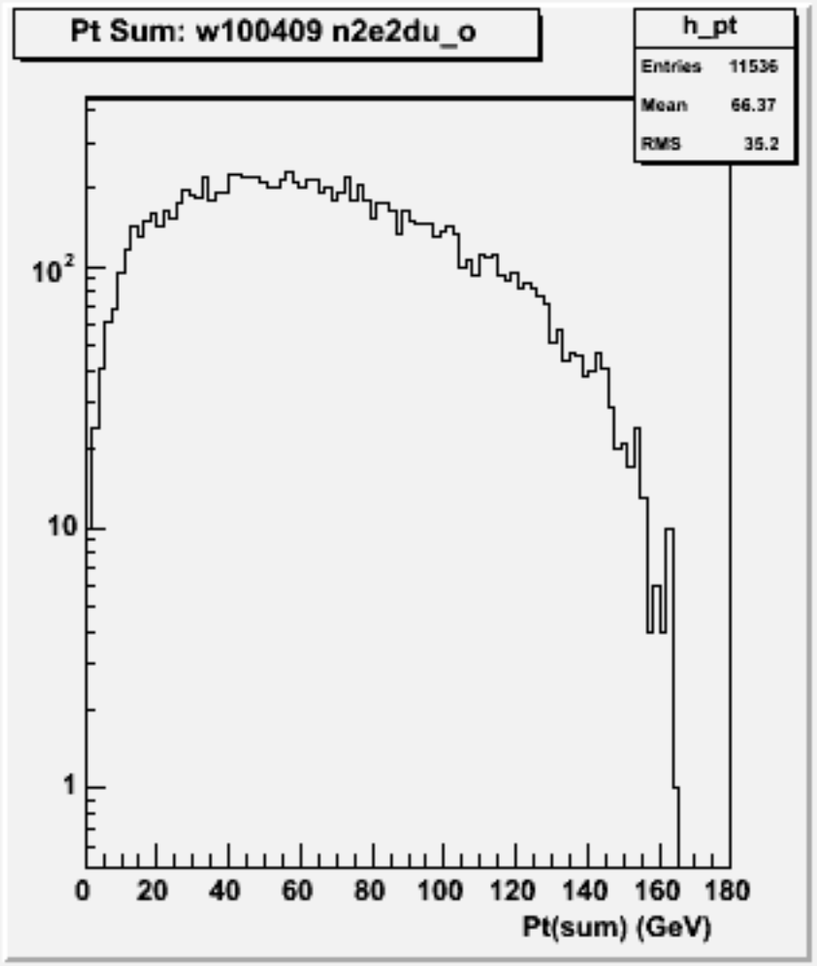
Start point R : w100409 n2e2du_o
h_vr
Entries 510296
Mean 28.2
RMS 247.4
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
Start point Radius

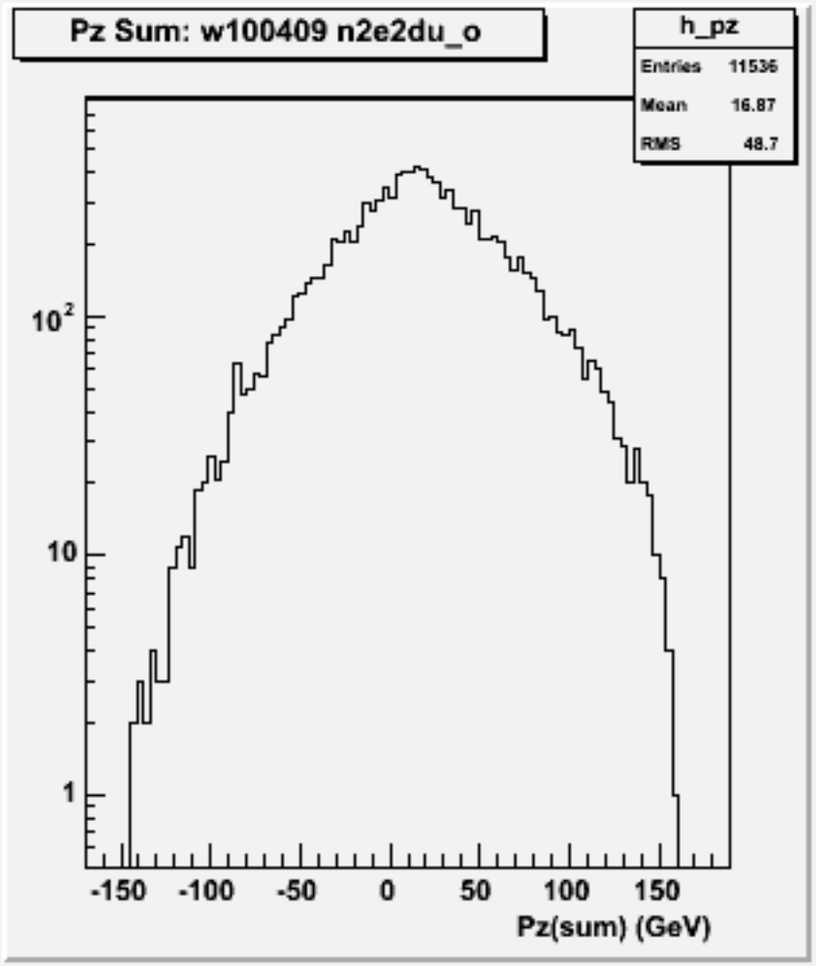
Start point Z : w100409 n2e2du_o
h_vz
Entries 510296
Mean 0.08944
RMS 199.8
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
Start point

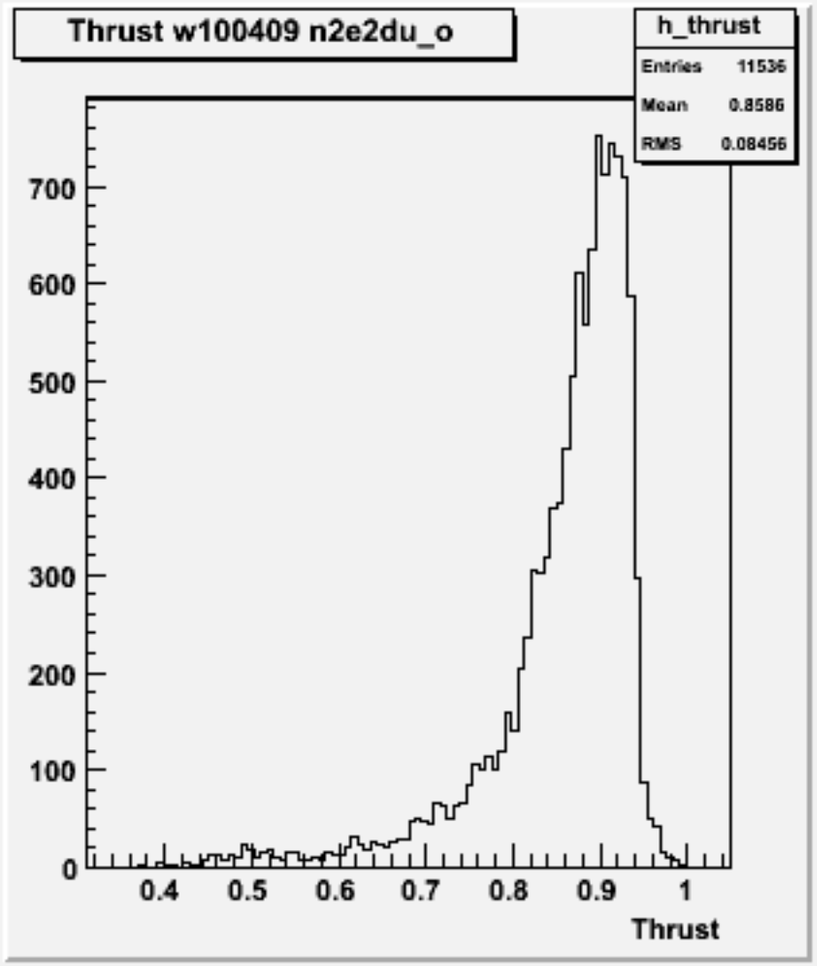

Total Energy (inc. ν): w100409 n2e2du_o
h_etot
Entries 11536
Mean 346.8
RMS 7.164
Total Energy(GeV)

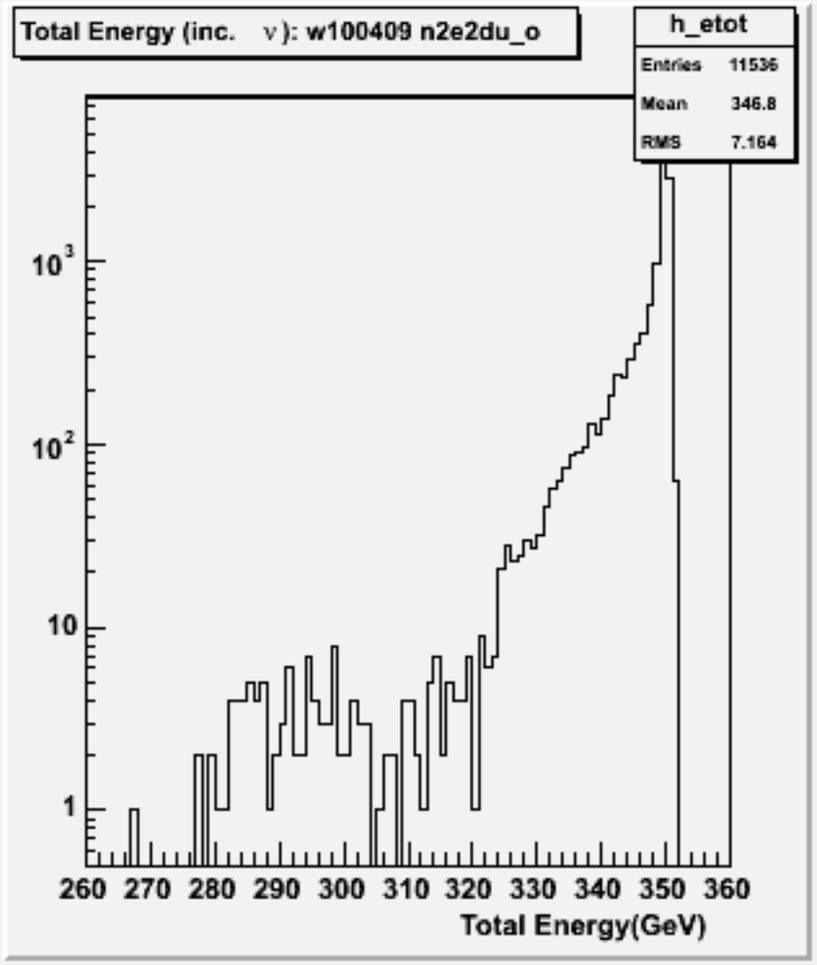

Total Energy (inc. ν): w100409 n2e2du_o
h_etotc
Entries 10428
Mean 348.6
RMS 2.356
Total Energy(GeV)

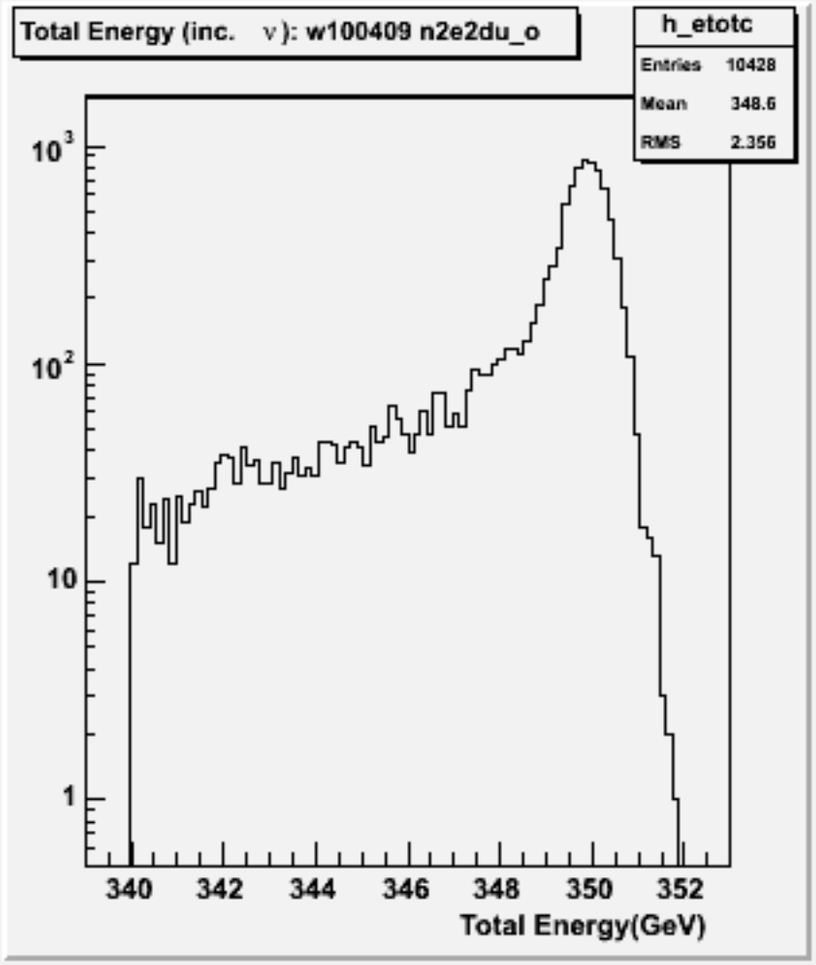

Total Energy (w/o ν): w100409 n2e2du_o
h_evis
Entries 11536
Mean 263.7
RMS 37.36
Energy(GeV)

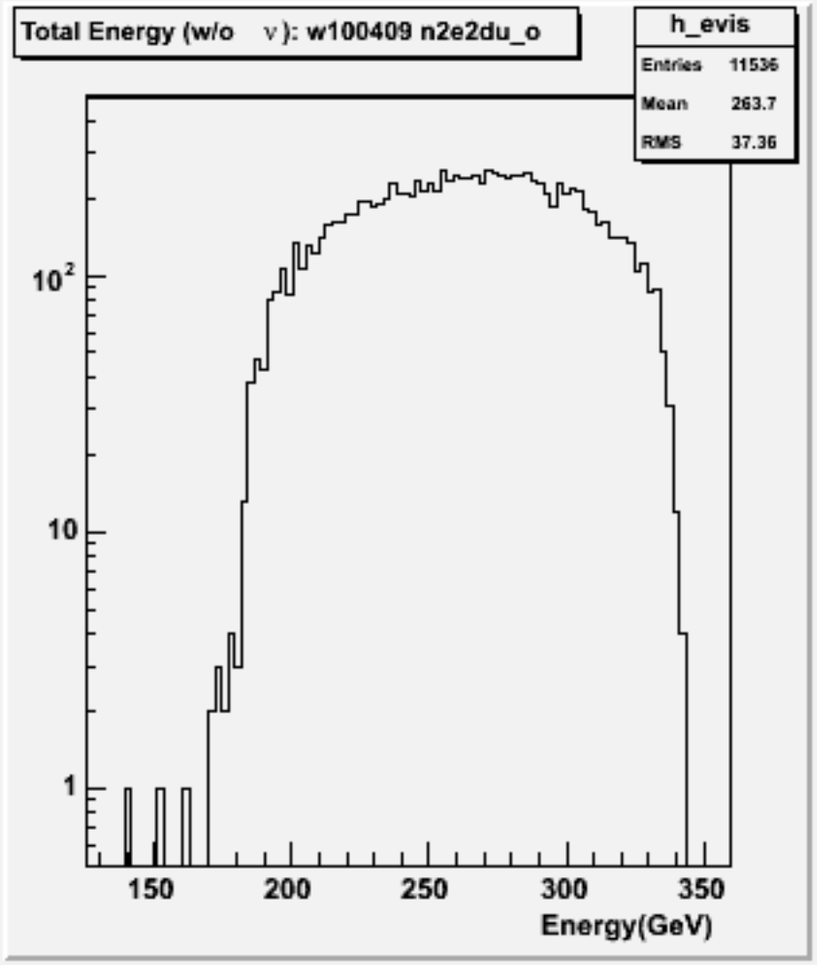

Pt Sum: w100409 n2e2du_o
h_pt
Entries 11536
Mean 66.37
RMS 35.2
Pt(sum) (GeV)

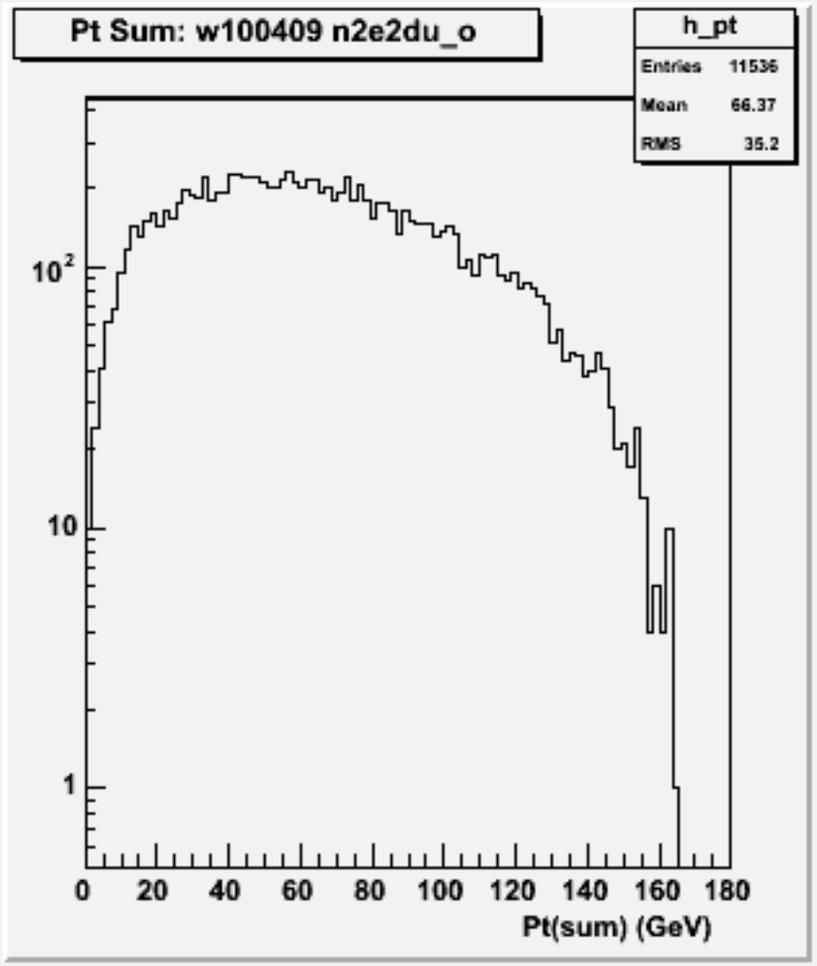

Pz Sum: w100409 n2e2du_o
h_pz
Entries 11536
Mean 16.87
RMS 48.7
Pz(sum) (GeV)

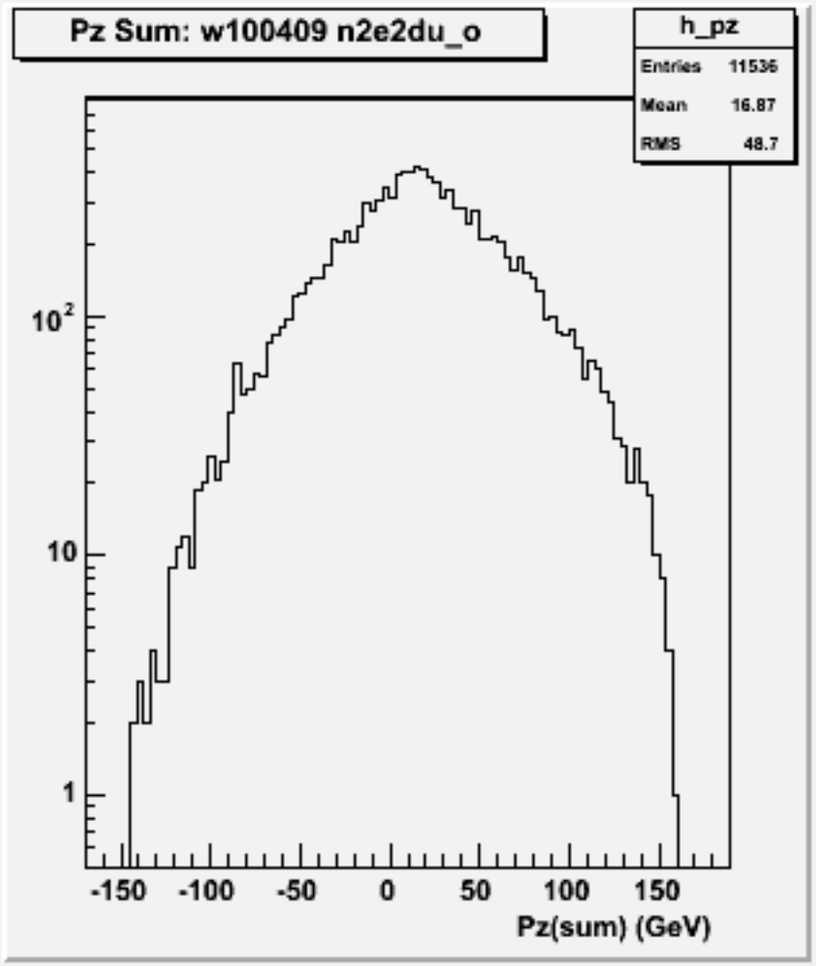

Thrust w100409 n2e2du_o
h_thrust
Entries 11536
Mean 0.8586
RMS 0.08456
Thrust

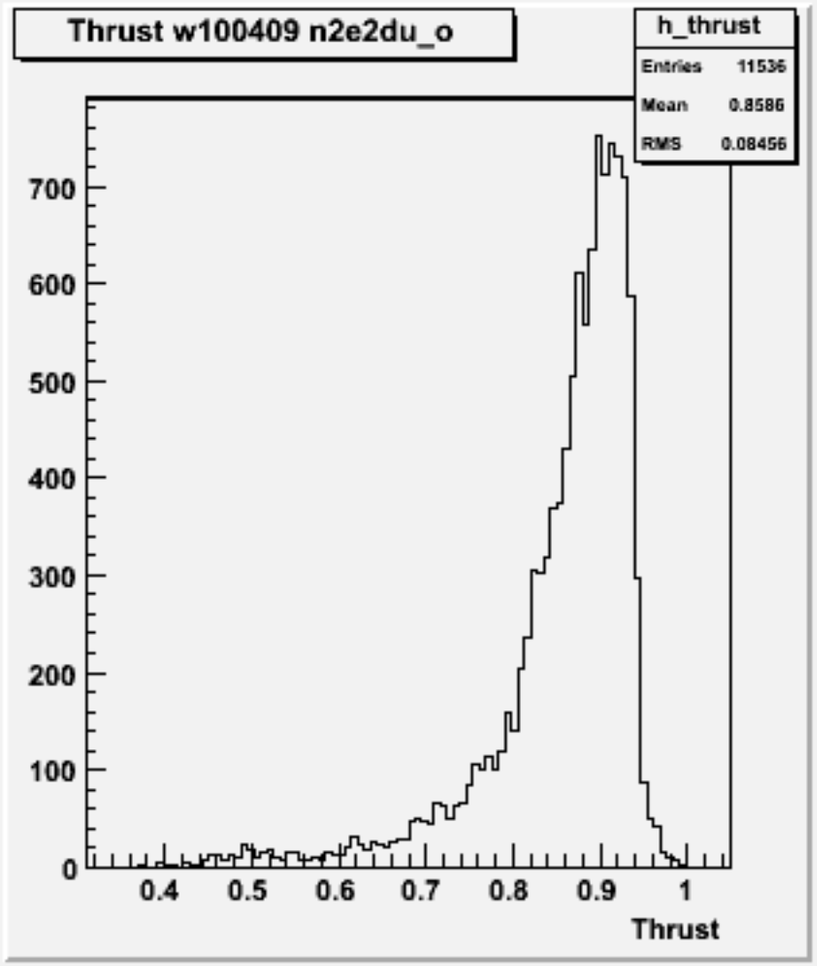

Total Energy (inc. ν): w100409 n2e2du_o
h_etot
Entries 11536
Mean 346.8
RMS 7.164
Total Energy(GeV)

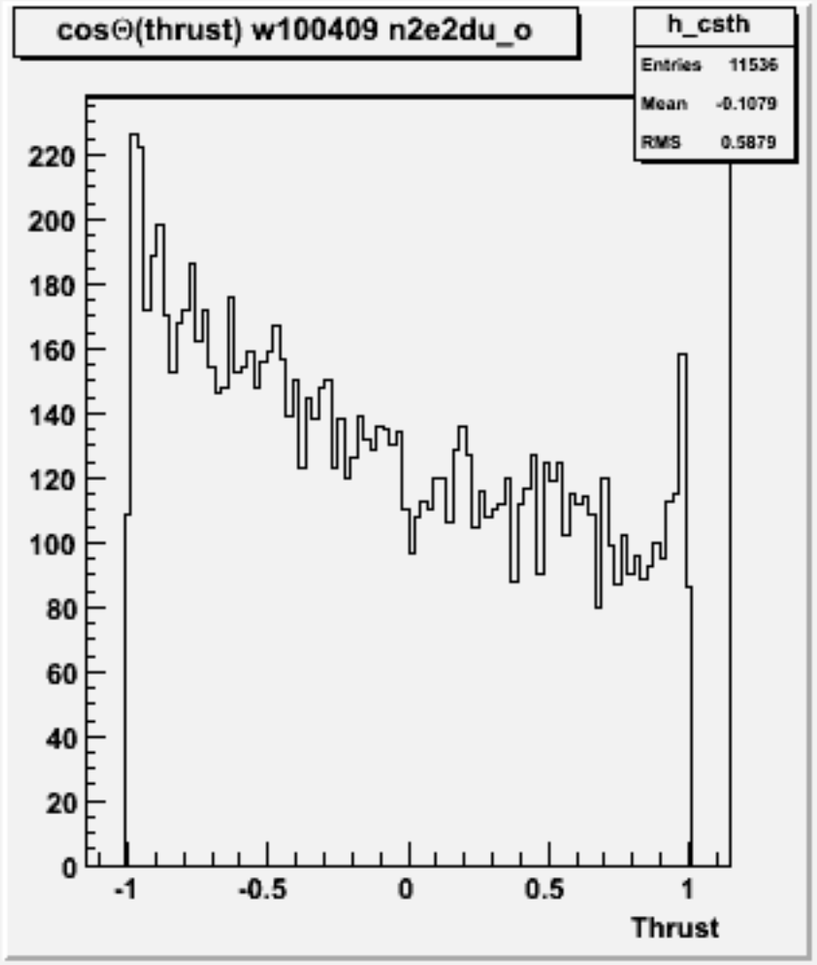

Total Energy (inc. ν): w100409 n2e2du_o
h_etotc
Entries 10428
Mean 348.6
RMS 2.356
Total Energy(GeV)

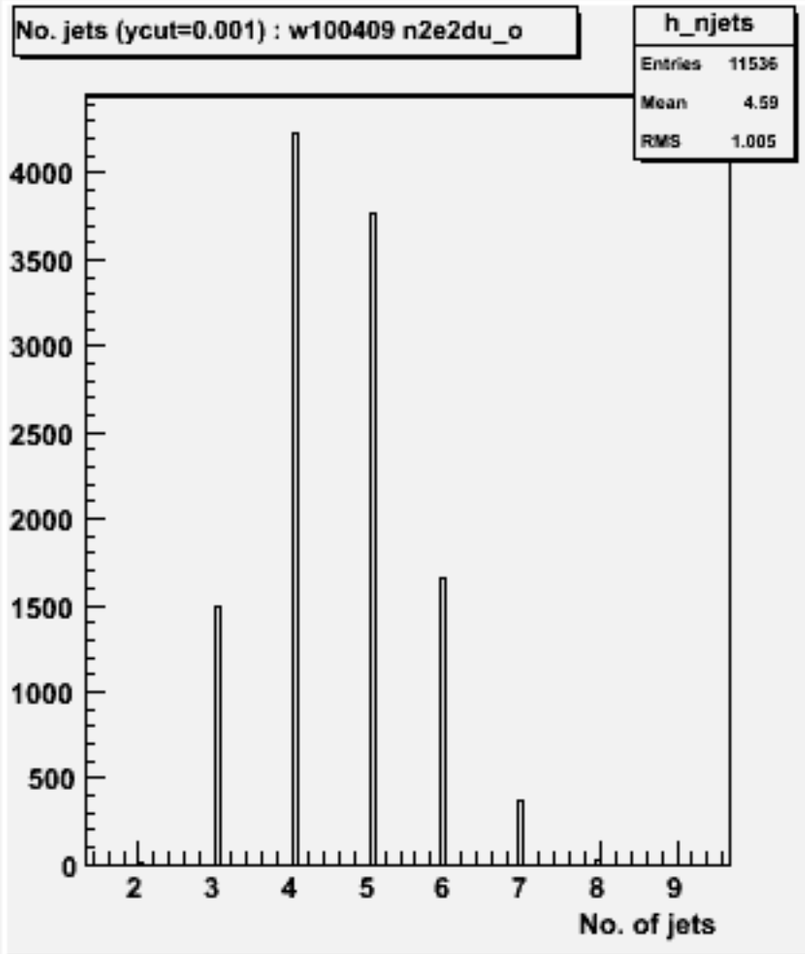

Total Energy (w/o ν): w100409 n2e2du_o
h_evis
Entries 11536
Mean 263.7
RMS 37.36
Energy(GeV)

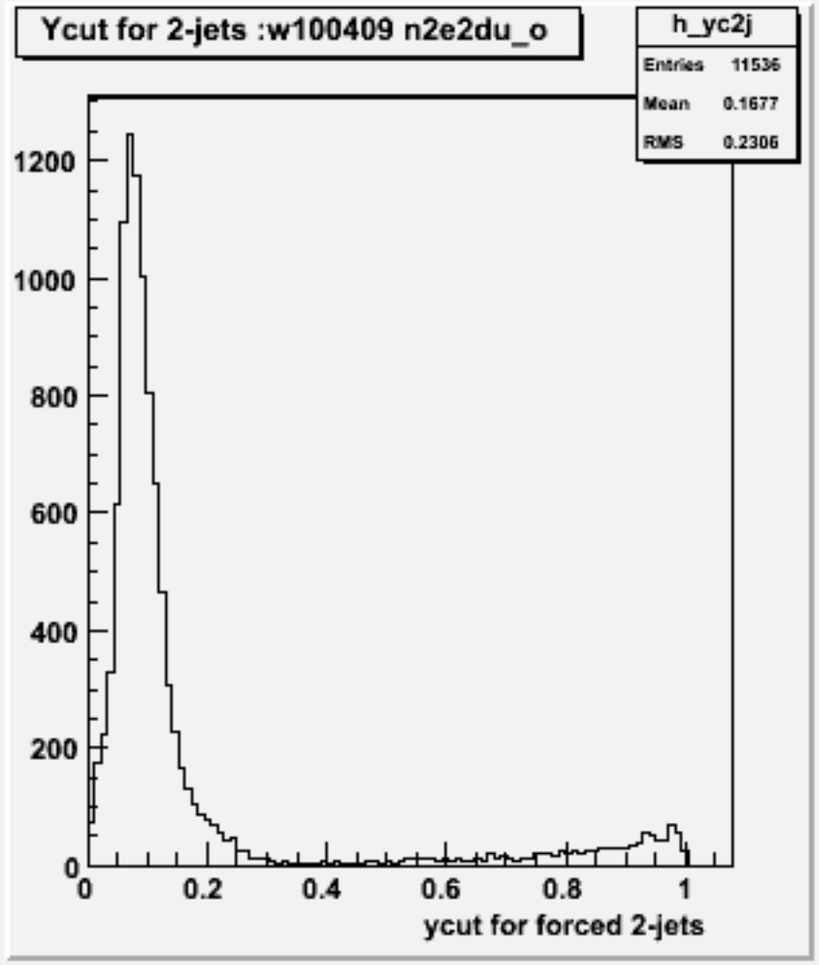

Pt Sum: w100409 n2e2du_o
h_pt
Entries 11536
Mean 66.37
RMS 35.2
Pt(sum) (GeV)

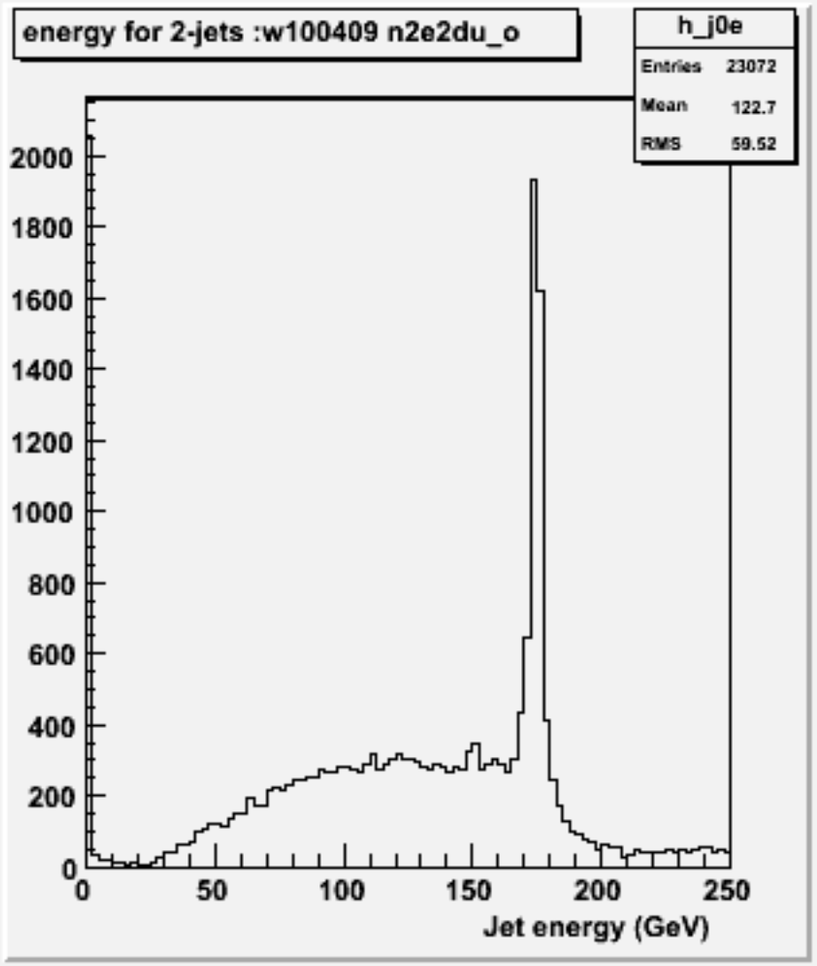

Pz Sum: w100409 n2e2du_o
h_pz
Entries 11536
Mean 16.87
RMS 48.7
Pz(sum) (GeV)

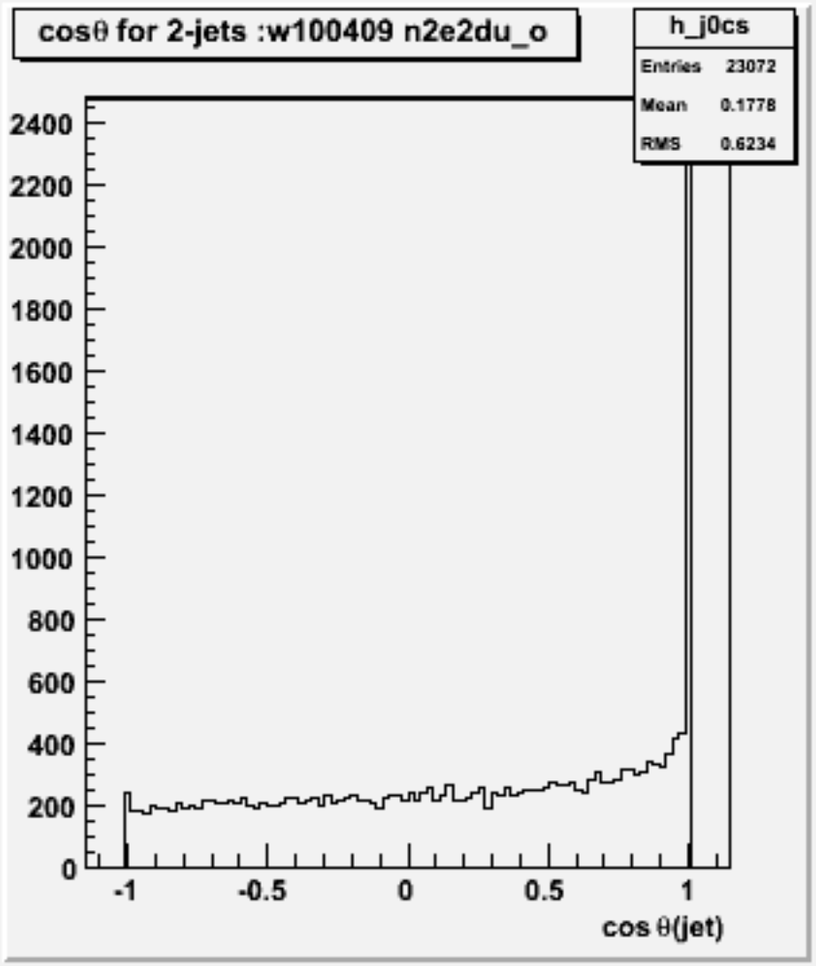

Thrust w100409 n2e2du_o
h_thrust
Entries 11536
Mean 0.8586
RMS 0.08456
Thrust

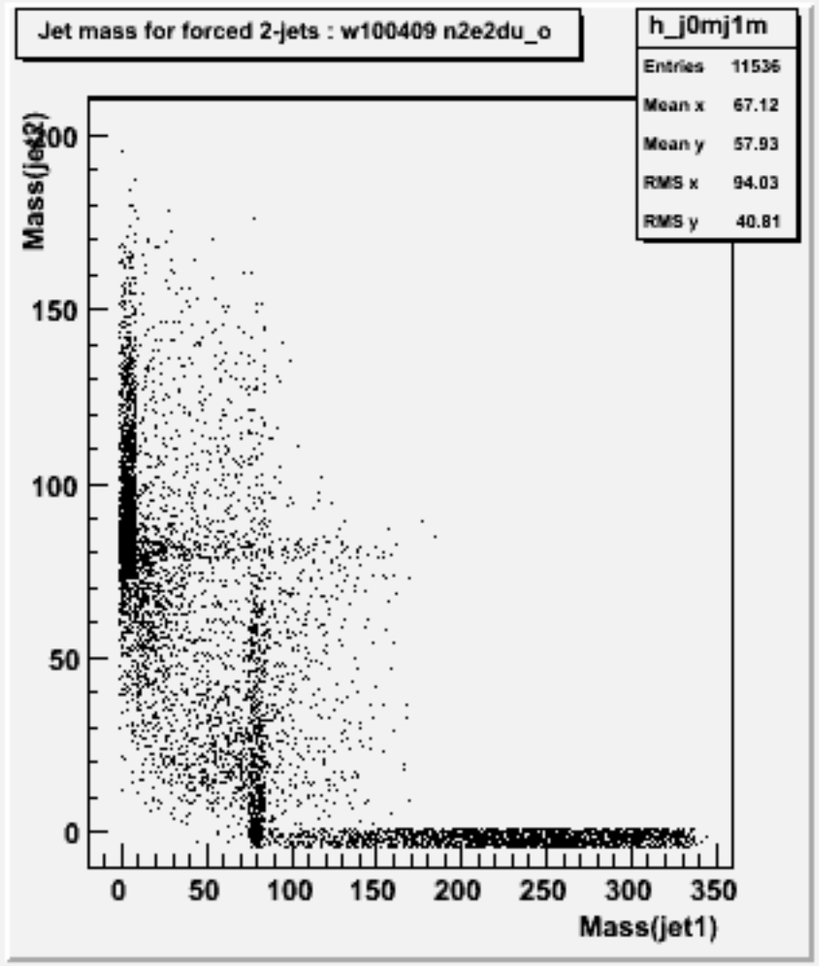

cosΘ(thrust) w100409 n2e2du_o
h_csth
Entries 11536
Mean -0.1079
RMS 0.5879
Thrust

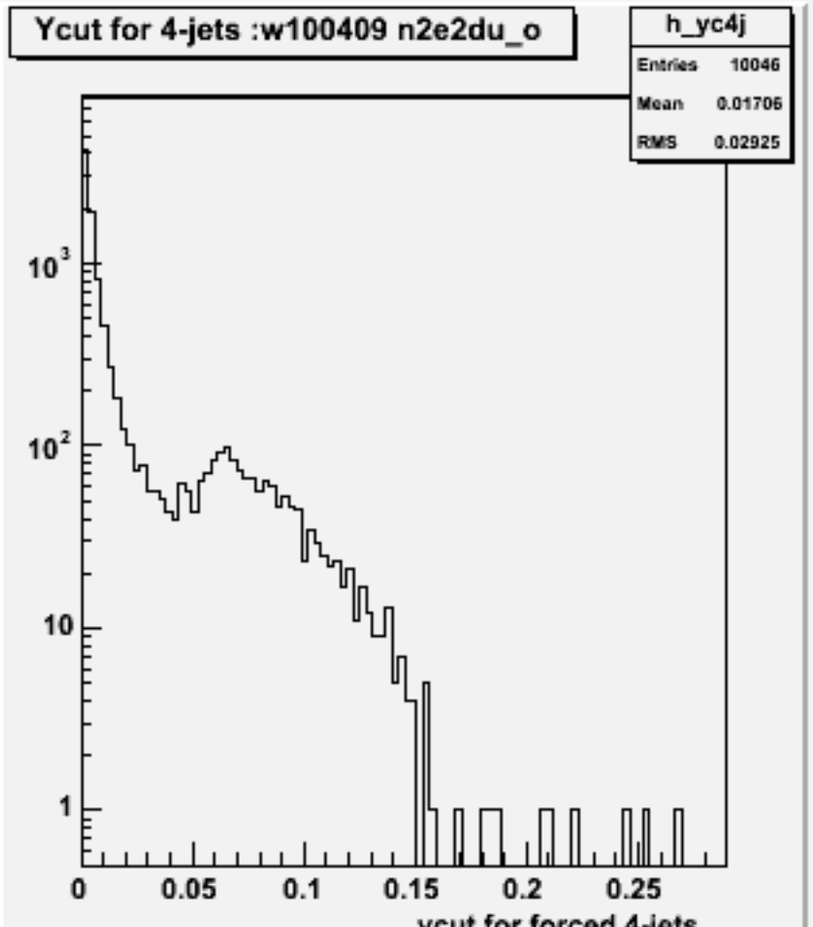

No. jets (ycut=0.001) : w100409 n2e2du_o
h_njets
Entries 11536
Mean 4.59
RMS 1.005
No. of jets

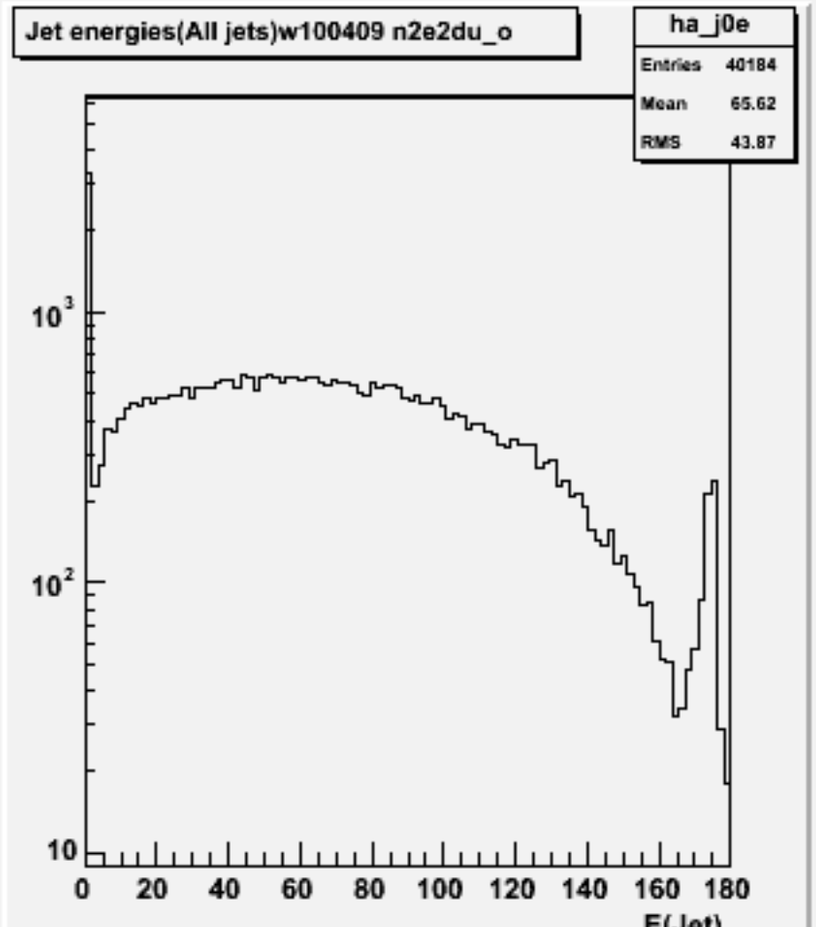

Ycut for 2-jets :w100409 n2e2du_o
h_yc2j
Entries 11536
Mean 0.1677
RMS 0.2306
ycut for forced 2-jets

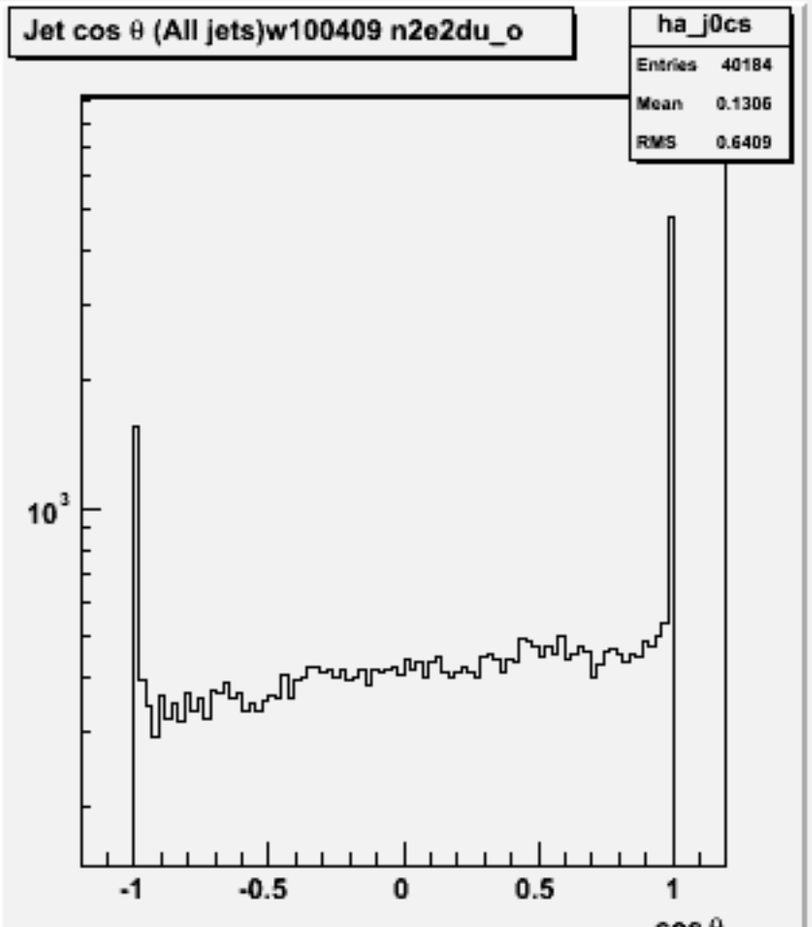

energy for 2-jets :w100409 n2e2du_o
h_j0e
Entries 23072
Mean 122.7
RMS 59.52
Jet energy (GeV)

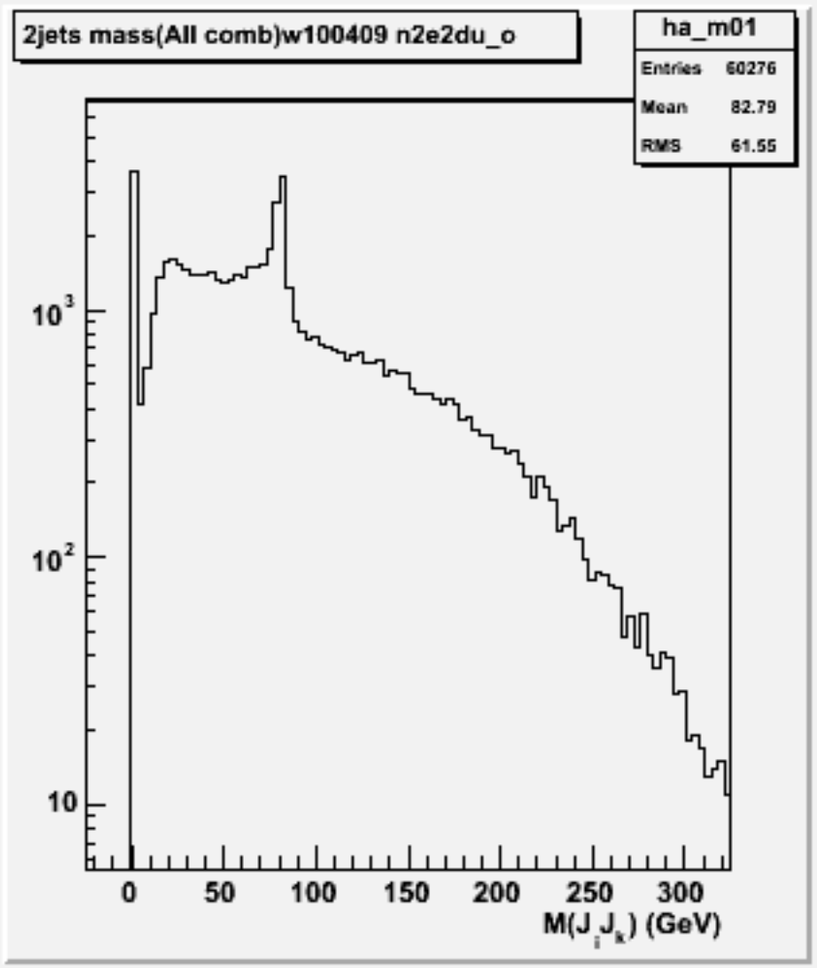

cosθ for 2-jets :w100409 n2e2du_o
h_j0cs
Entries 23072
Mean 0.1778
RMS 0.6234
cos θ(jet)

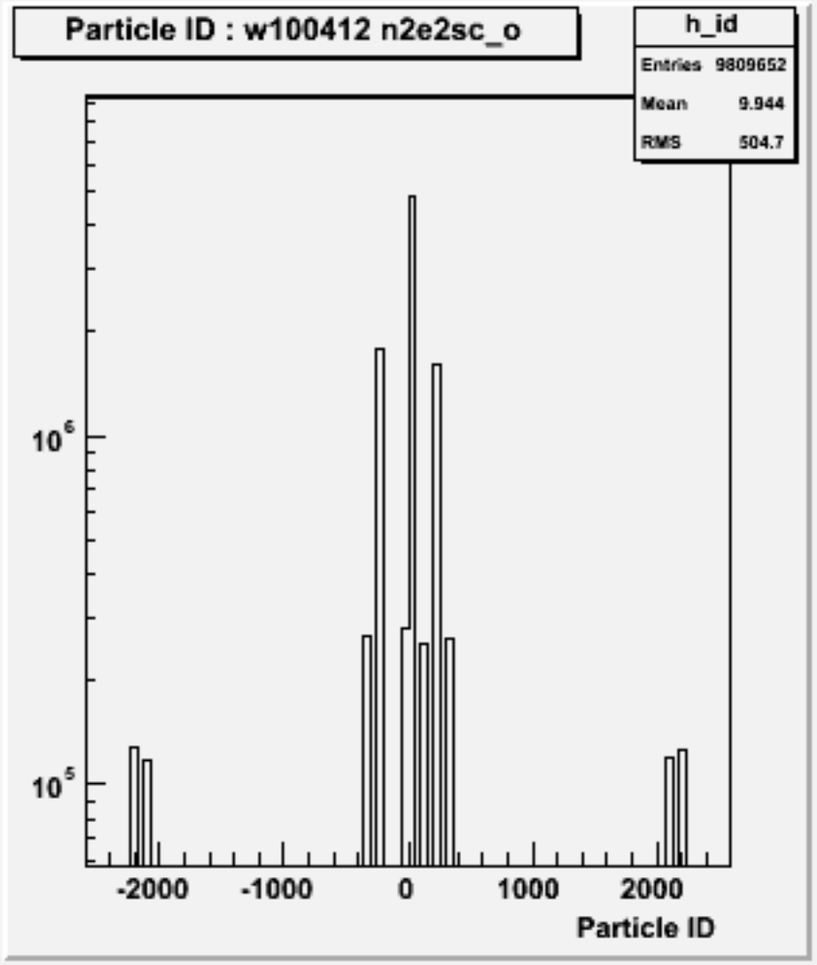

Jet mass for forced 2-jets : w100409 n2e2du_o
h_j0mj1m
Entries 11536
Mean x 67.12
Mean y 57.93
RMS x 94.03
RMS y 40.81
Mass(jet2)
Mass(jet1)

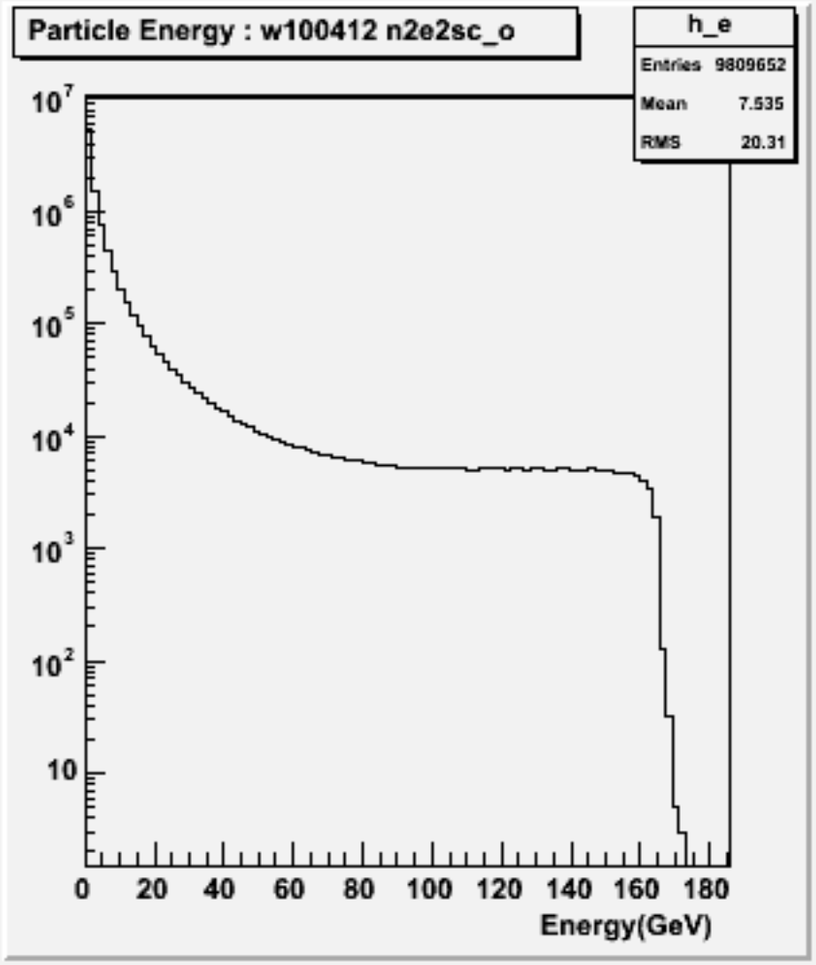

Ycut for 4-jets :w100409 n2e2du_o
h_yc4j
Entries 10046
Mean 0.01706
RMS 0.02925
10^3
10^2
10
1
0 0.05 0.1 0.15 0.2 0.25
ycut for forced 4-jets

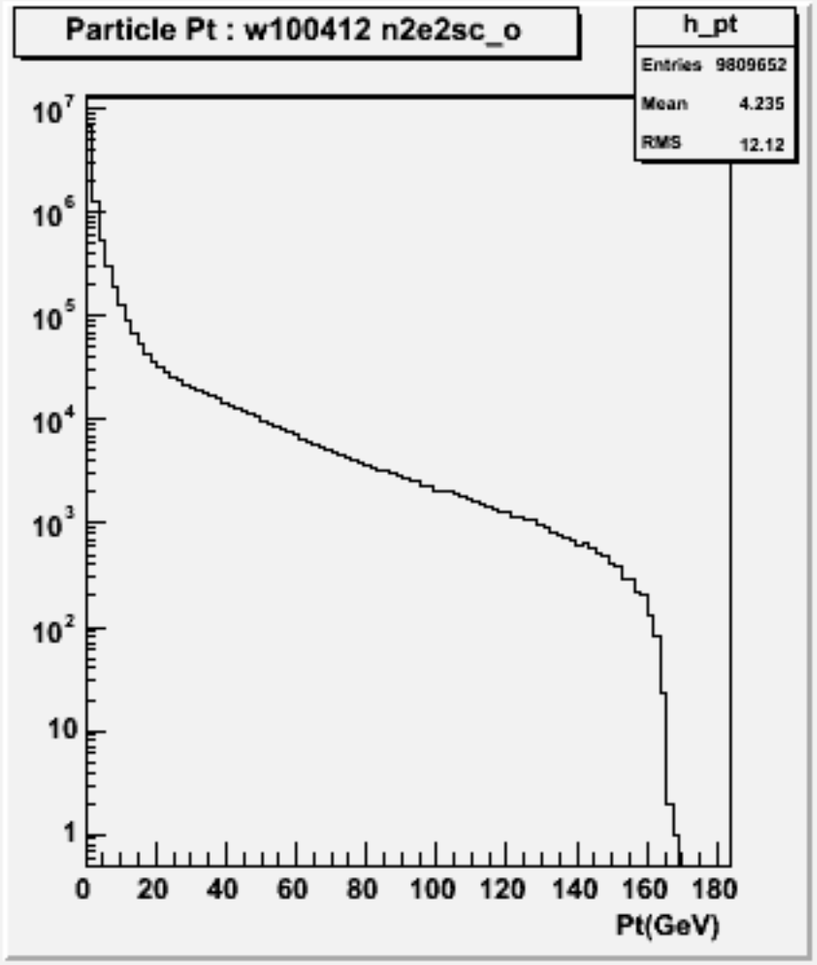

Jet energies(All jets)w100409 n2e2du_o
ha_j0e
Entries 40184
Mean 65.62
RMS 43.87
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
E(Jet)

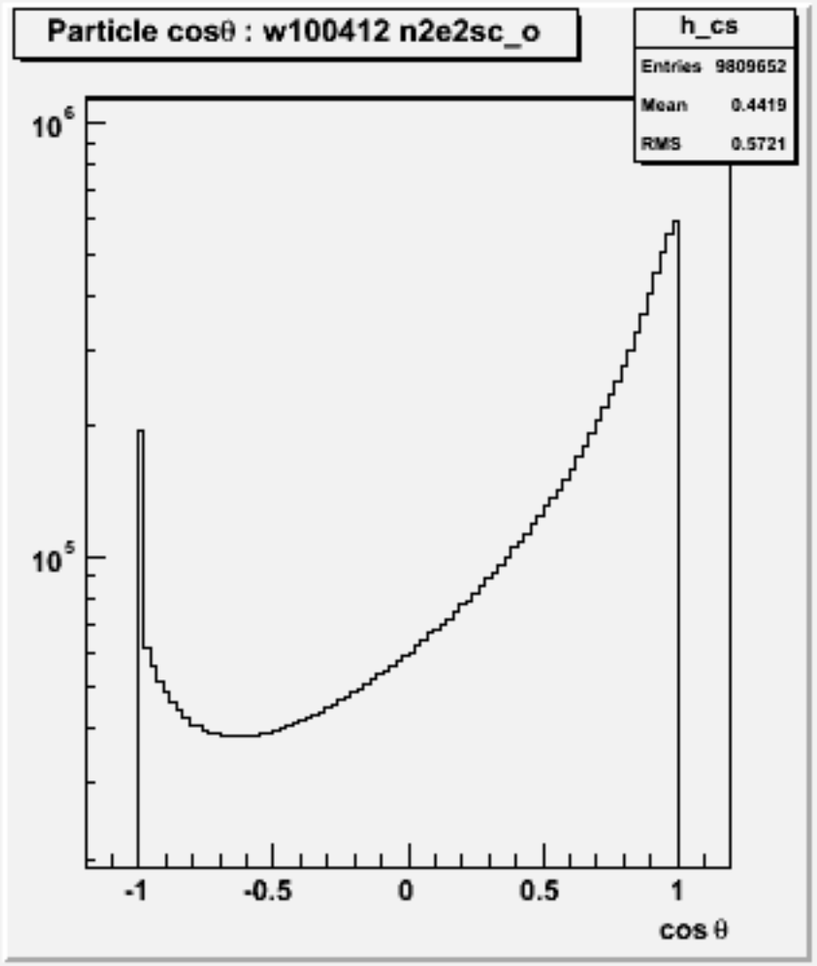

Jet cos θ (All jets)w100409 n2e2du_o
ha_j0cs
Entries 40184
Mean 0.1306
RMS 0.6409
10^3
-1 -0.5 0 0.5 1
cos θ

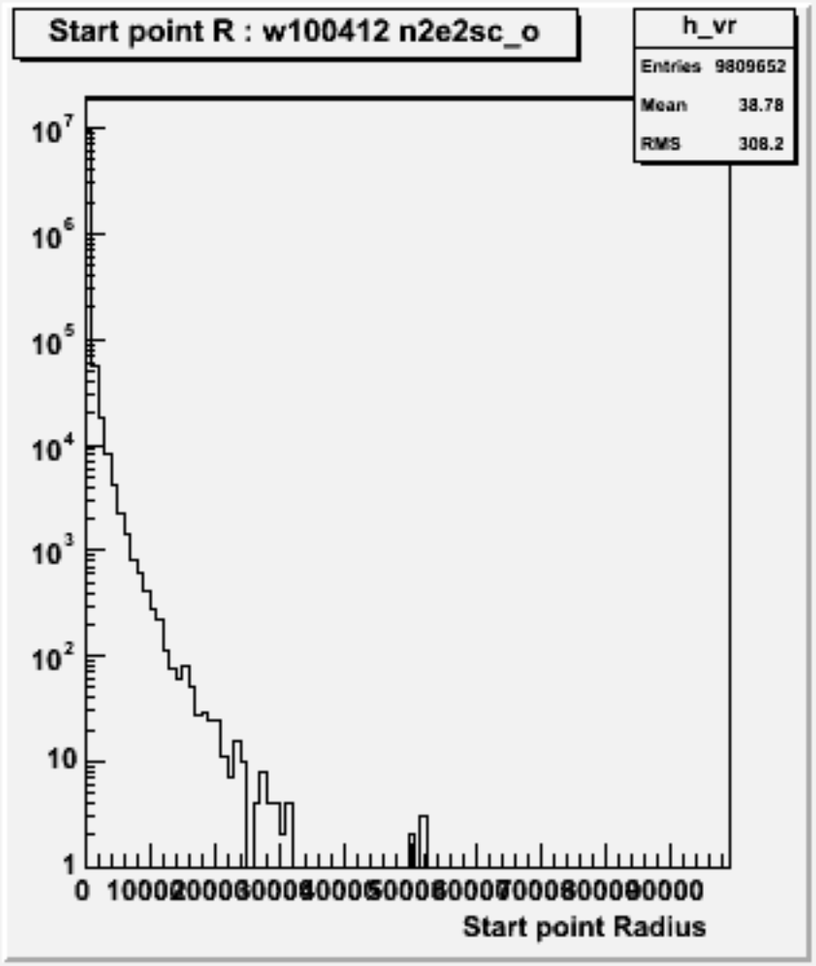

2jets mass(All comb)w100409 n2e2du_o
ha_m01
Entries 60276
Mean 82.79
RMS 61.55
10^3
10^2
10
0 50 100 150 200 250 300
M(J_iJ_k) (GeV)

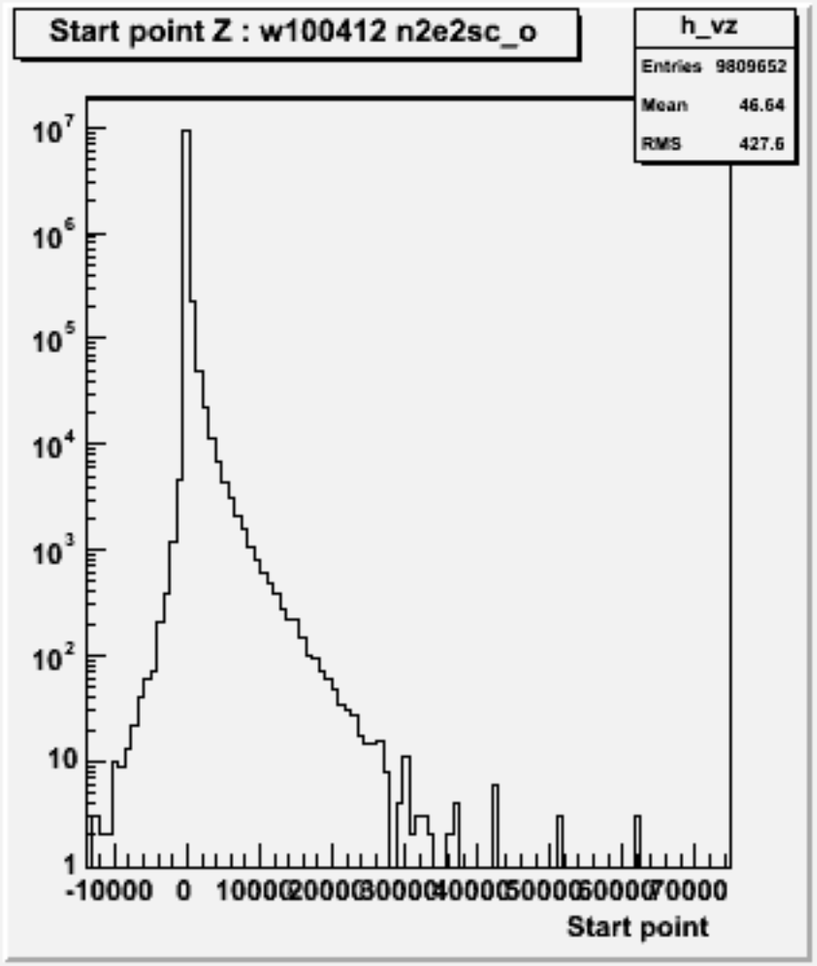

Particle ID : w100412 n2e2sc_o
h_id
Entries 9809652
Mean 9.944
RMS 504.7
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

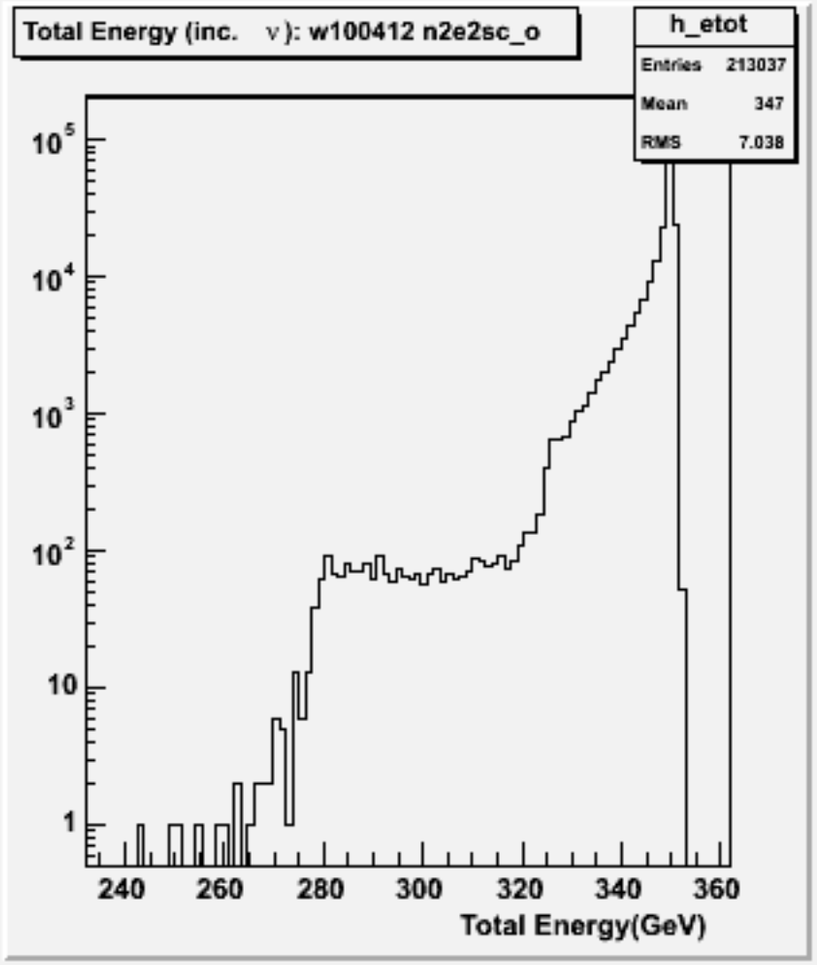

Particle Energy : w100412 n2e2sc_o
h_e
Entries 9809652
Mean 7.535
RMS 20.31
10^7
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

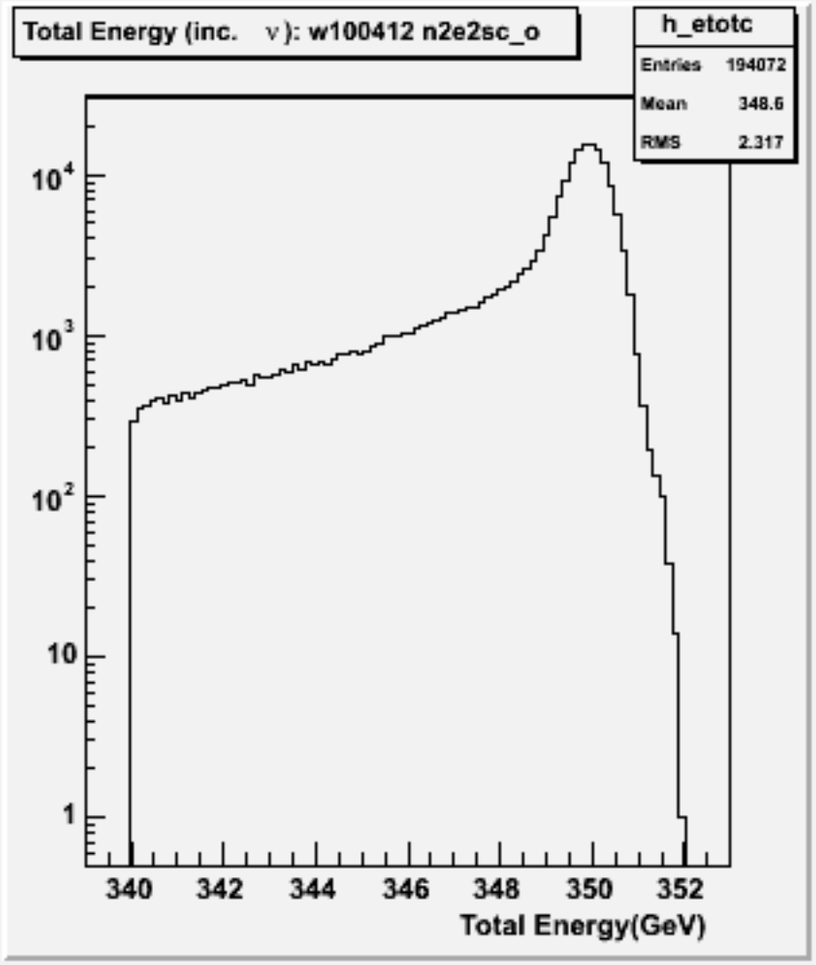

Particle Pt : w100412 n2e2sc_o
h_pt
Entries 9809652
Mean 4.235
RMS 12.12
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

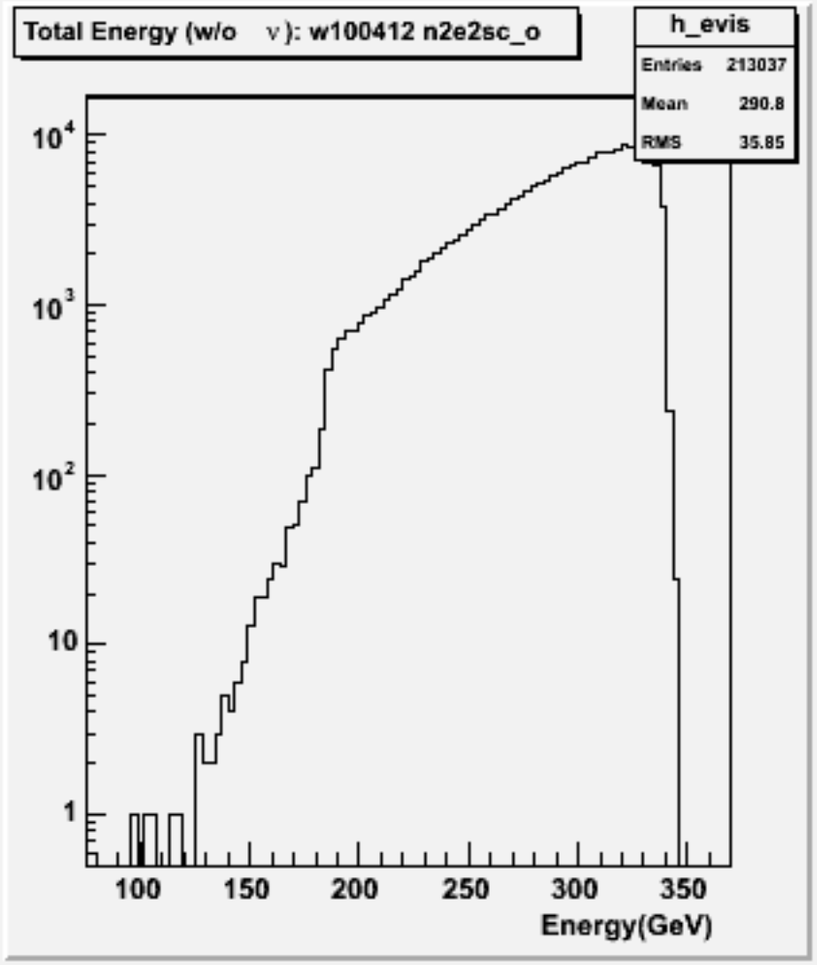

Particle cosθ : w100412 n2e2sc_o
h_cs
Entries 9809652
Mean 0.4419
RMS 0.5721
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

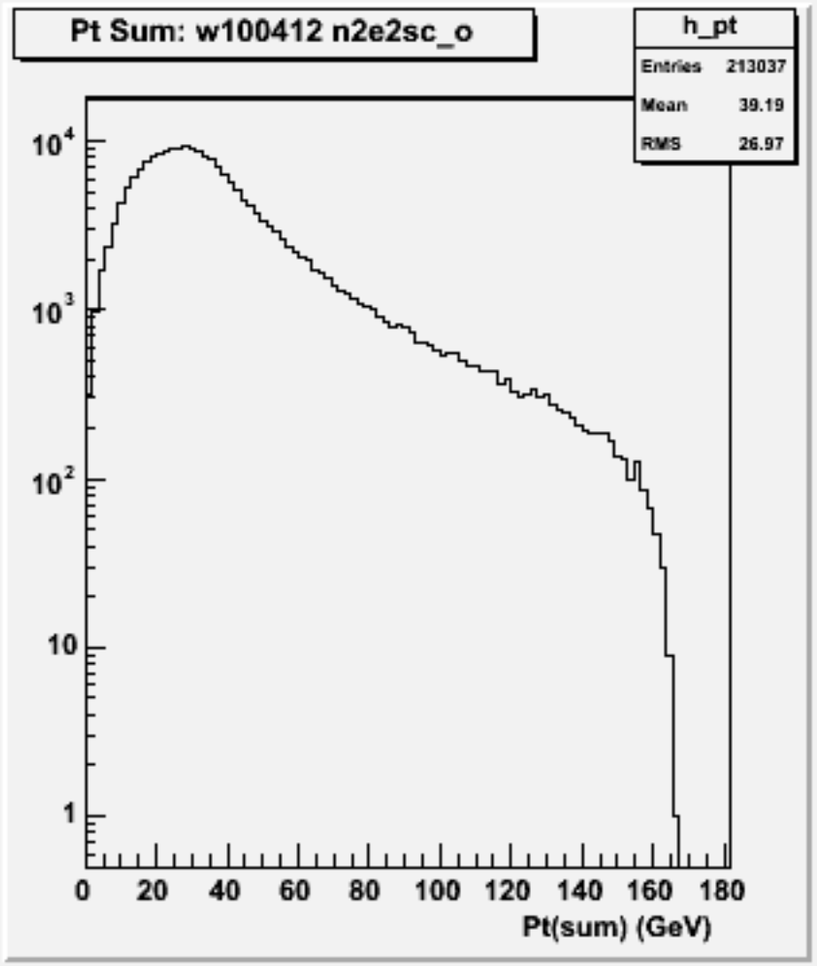

Start point R : w100412 n2e2sc_o
h_vr
Entries 9809652
Mean 38.78
RMS 308.2
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
60000
70000
80000
90000
Start point Radius

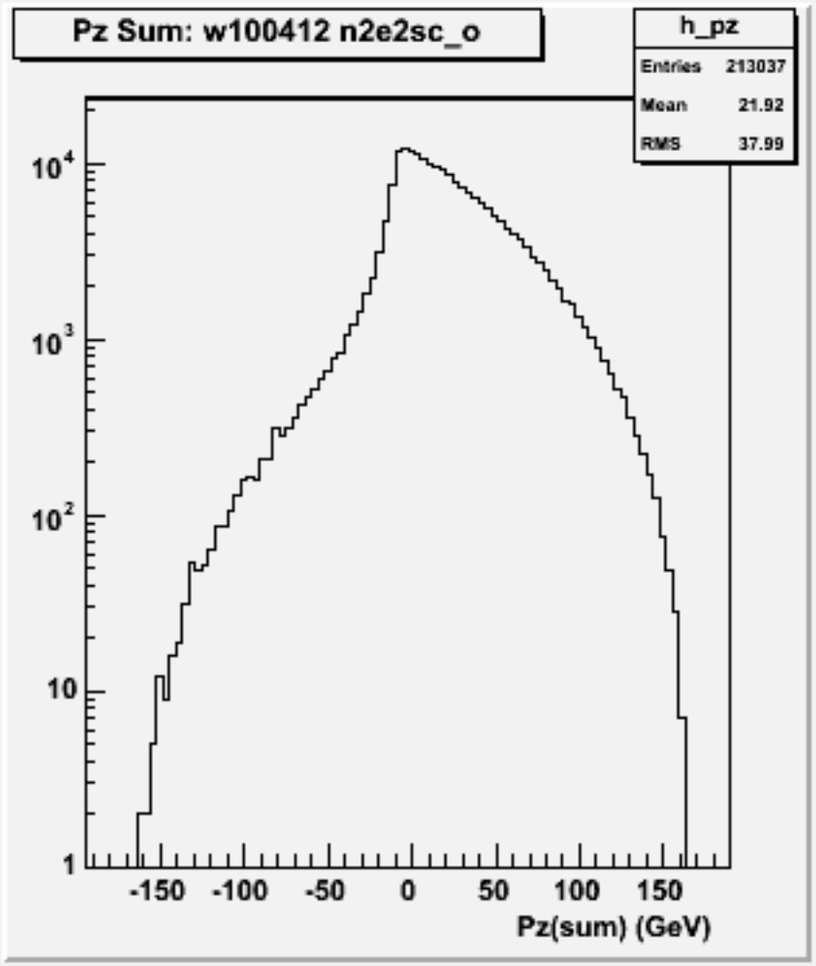

Start point Z : w100412 n2e2sc_o
h_vz
Entries 9809652
Mean 46.64
RMS 427.6
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-10000
0
10000
20000
30000
40000
50000
60000
70000
Start point

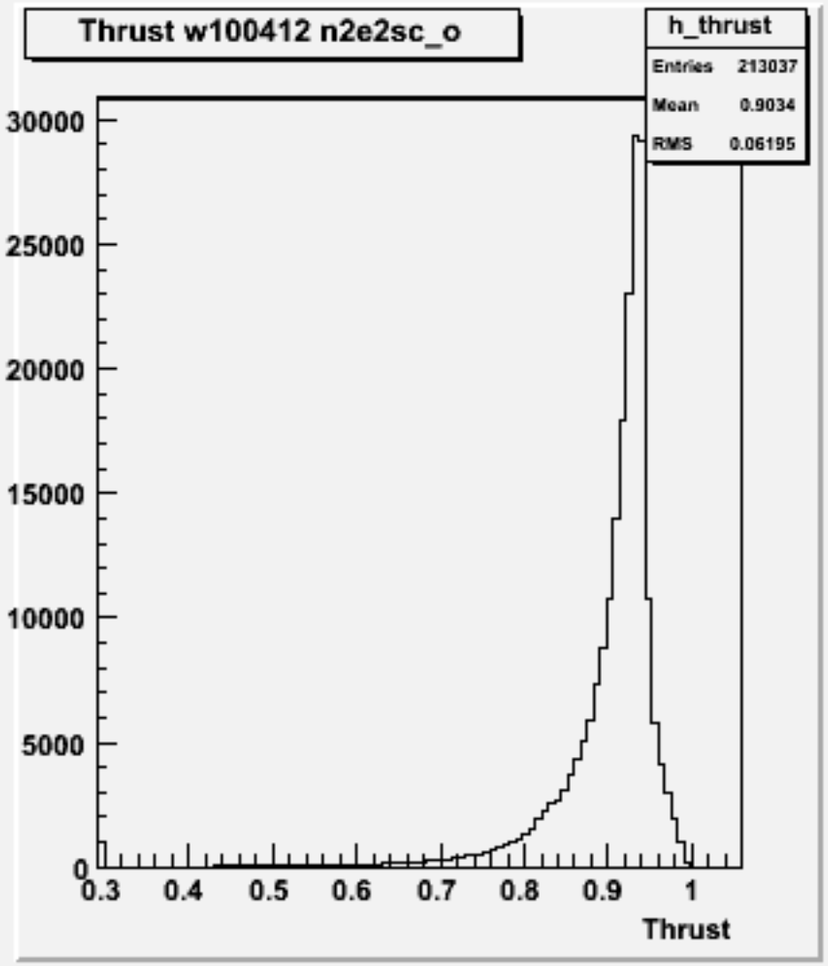

Total Energy (inc. ν): w100412 n2e2sc_o
h_etot
Entries 213037
Mean 347
RMS 7.038
Total Energy(GeV)

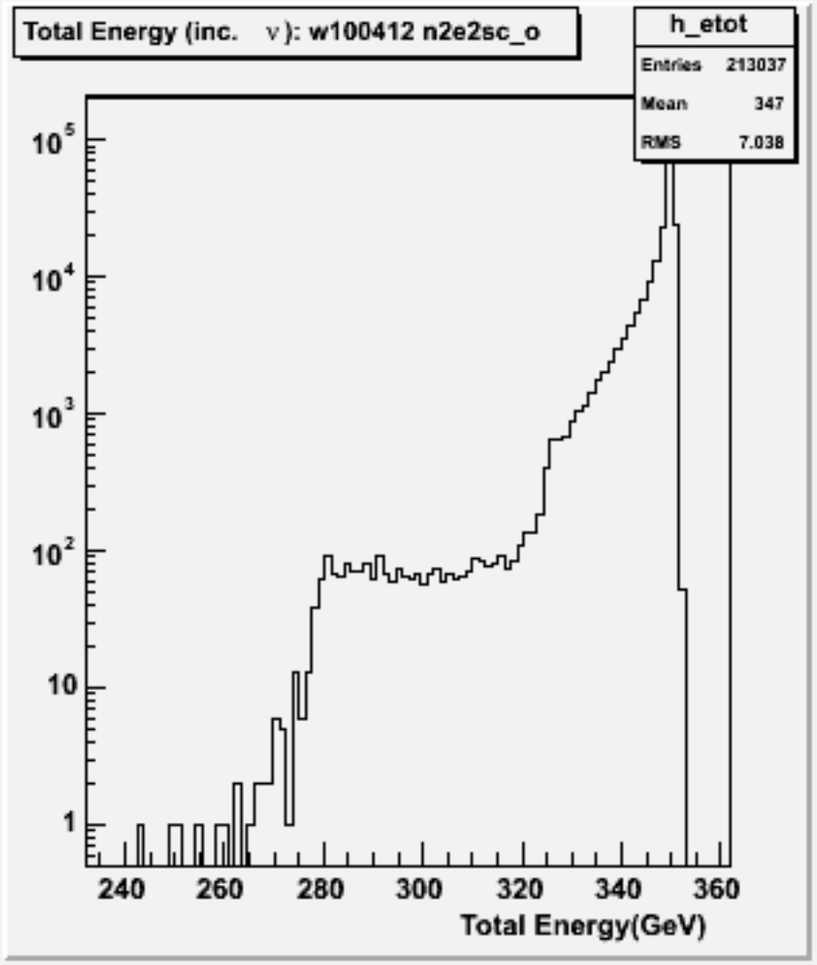

Total Energy (inc. ν): w100412 n2e2sc_o
h_etotc
Entries 194072
Mean 348.6
RMS 2.317
Total Energy(GeV)

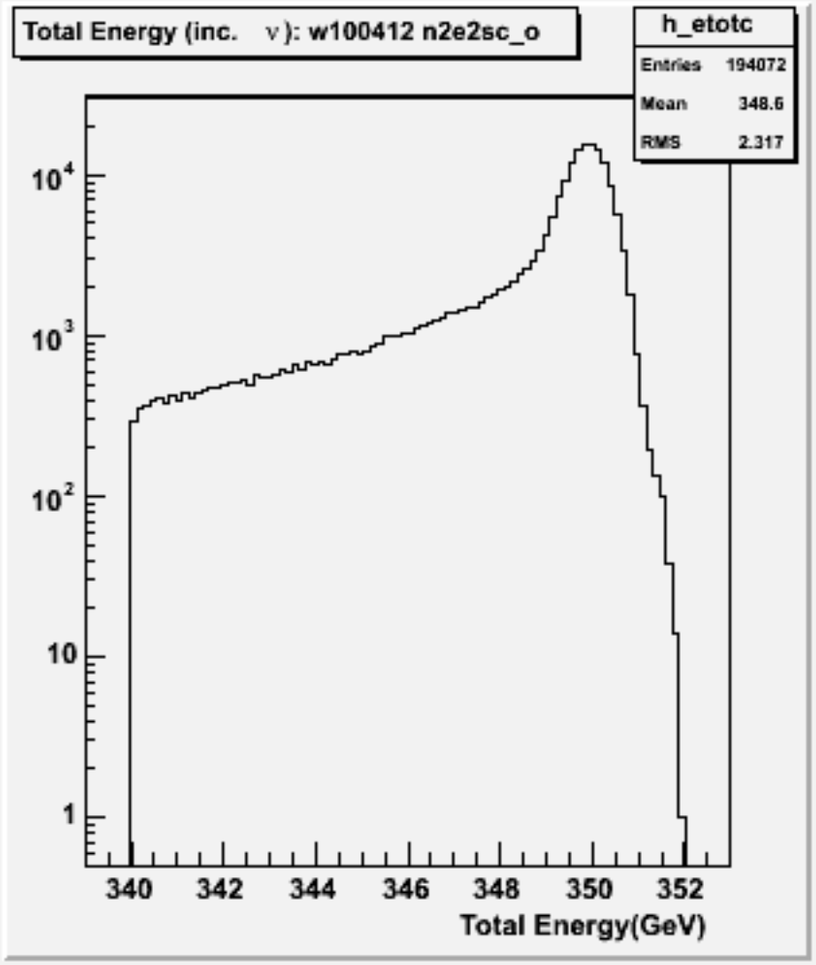

Total Energy (w/o ν): w100412 n2e2sc_o
h_evis
Entries 213037
Mean 290.8
RMS 35.85
Energy(GeV)

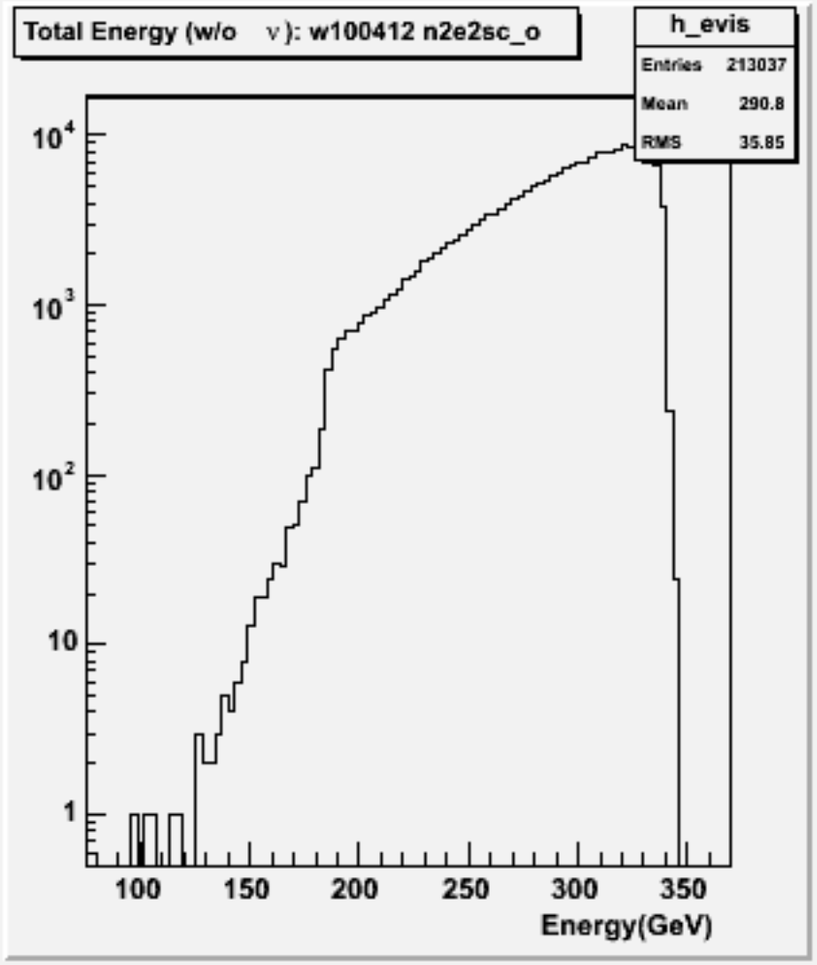

Pt Sum: w100412 n2e2sc_o
h_pt
Entries 213037
Mean 39.19
RMS 26.97
Pt(sum) (GeV)

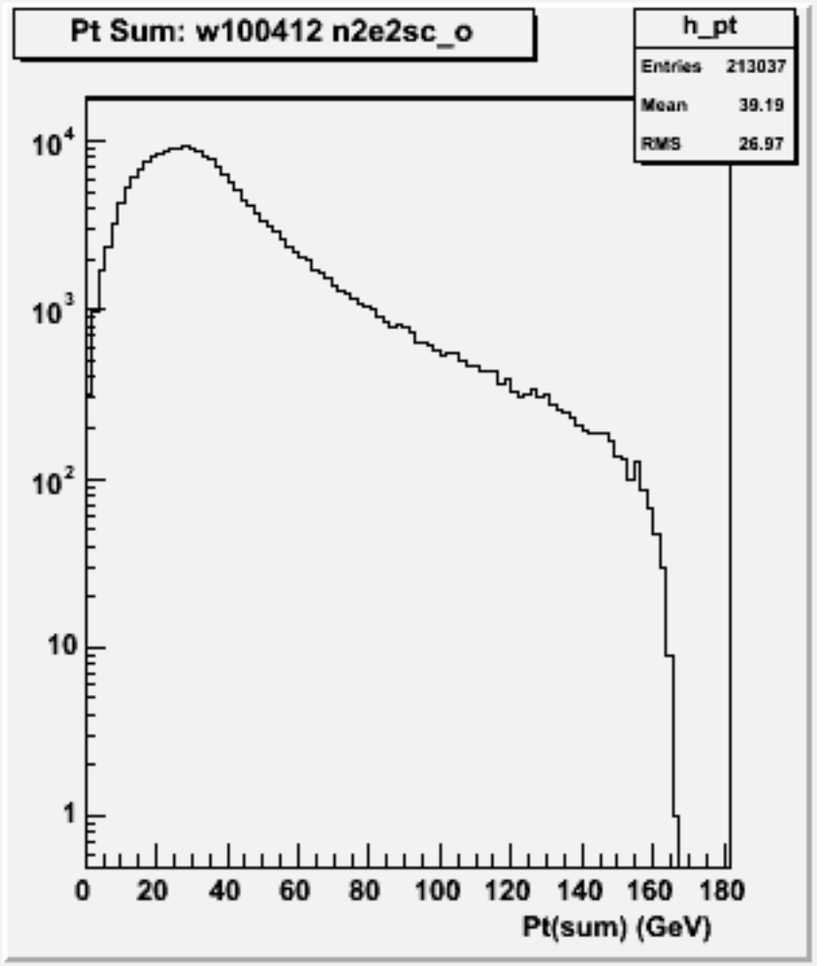

Pz Sum: w100412 n2e2sc_o
h_pz
Entries 213037
Mean 21.92
RMS 37.99
Pz(sum) (GeV)

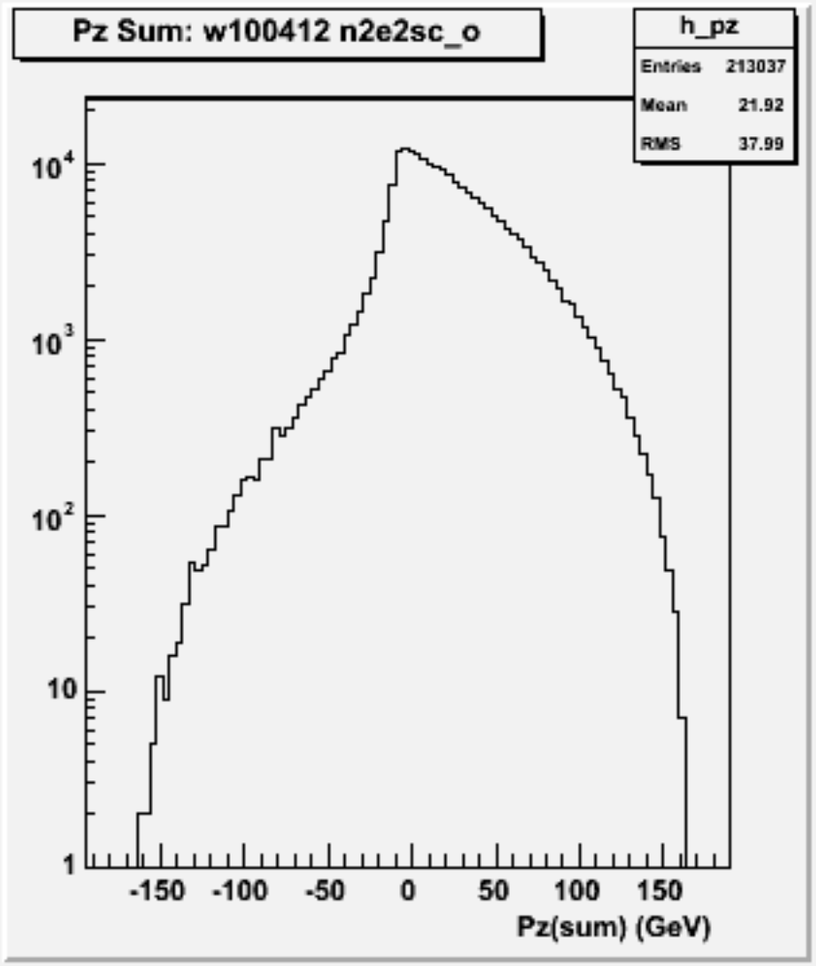

Thrust w100412 n2e2sc_o
h_thrust
Entries 213037
Mean 0.9034
RMS 0.06195
Thrust

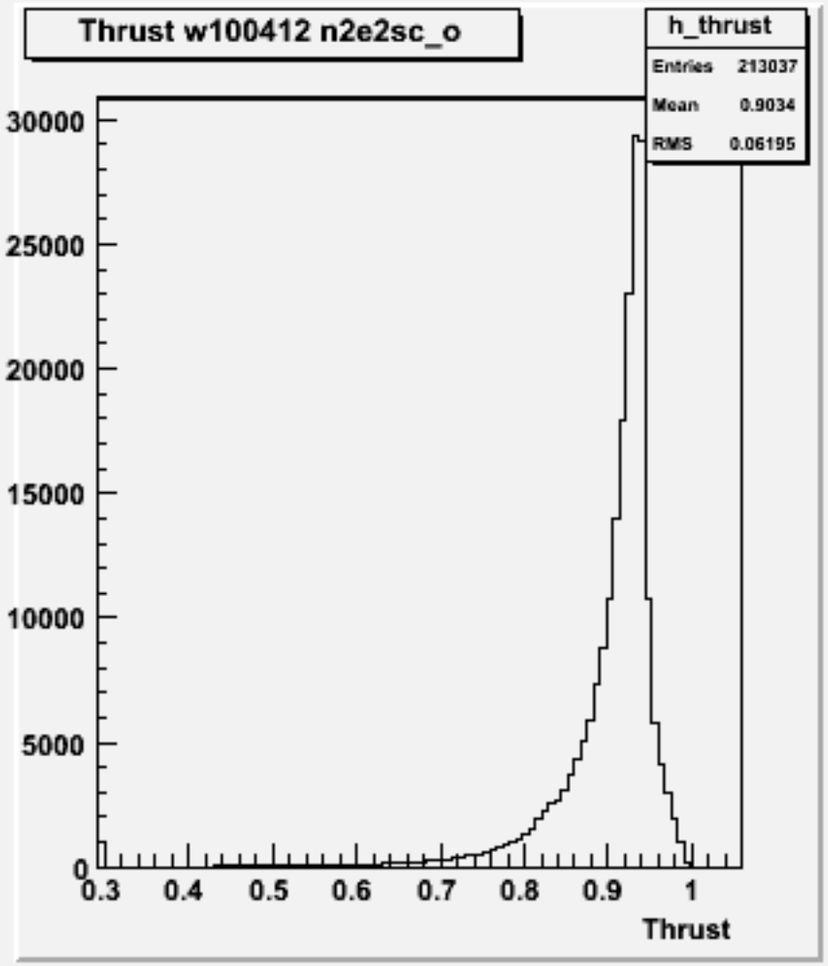

Total Energy (inc. ν): w100412 n2e2sc_o
h_etot
Entries 213037
Mean 347
RMS 7.038
Total Energy(GeV)

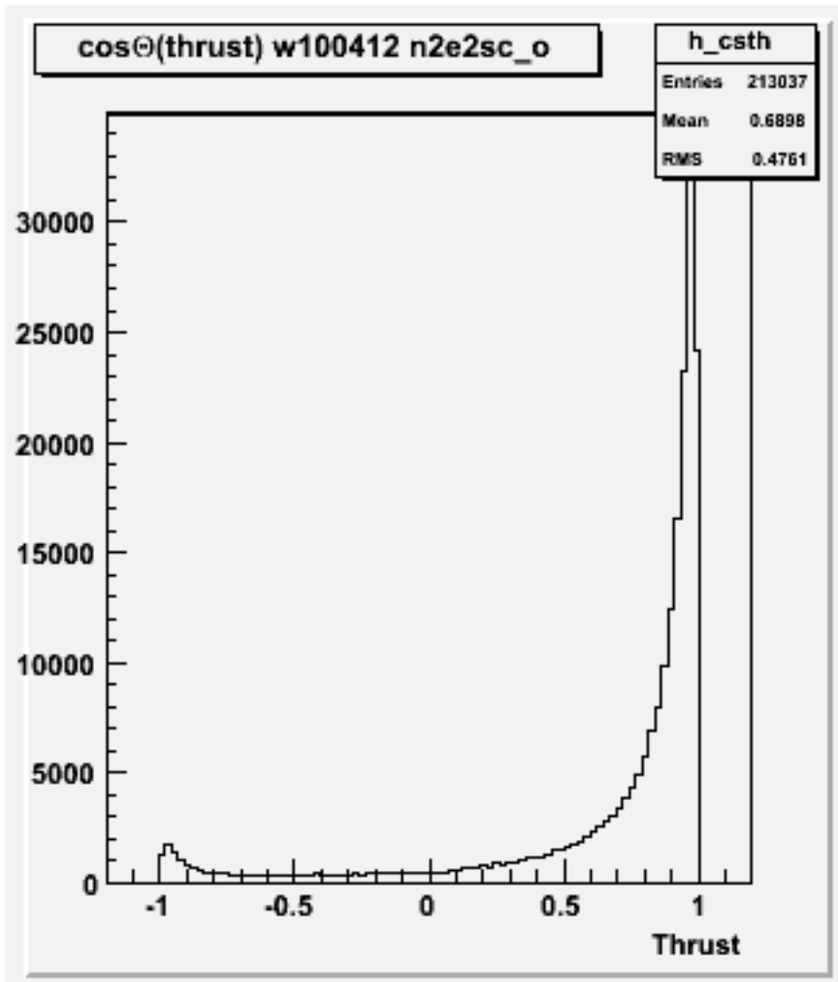

Total Energy (inc. ν): w100412 n2e2sc_o
h_etotc
Entries 194072
Mean 348.6
RMS 2.317
Total Energy(GeV)

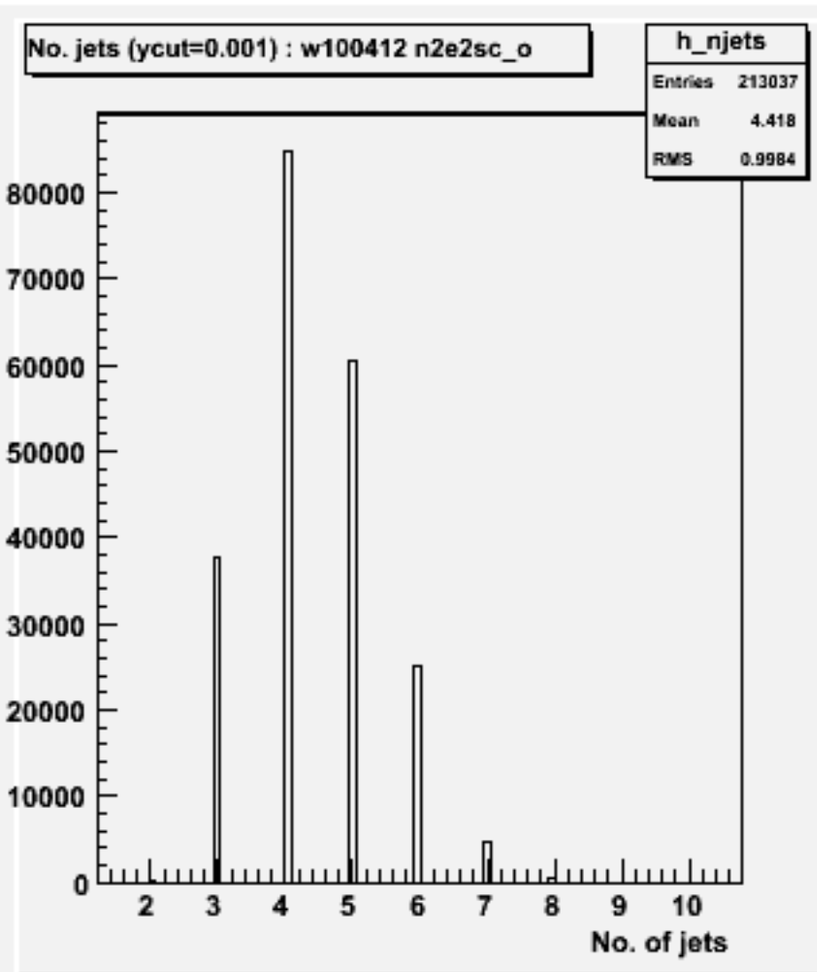

Total Energy (w/o ν): w100412 n2e2sc_o
h_evis
Entries 213037
Mean 290.8
RMS 35.85
Energy(GeV)

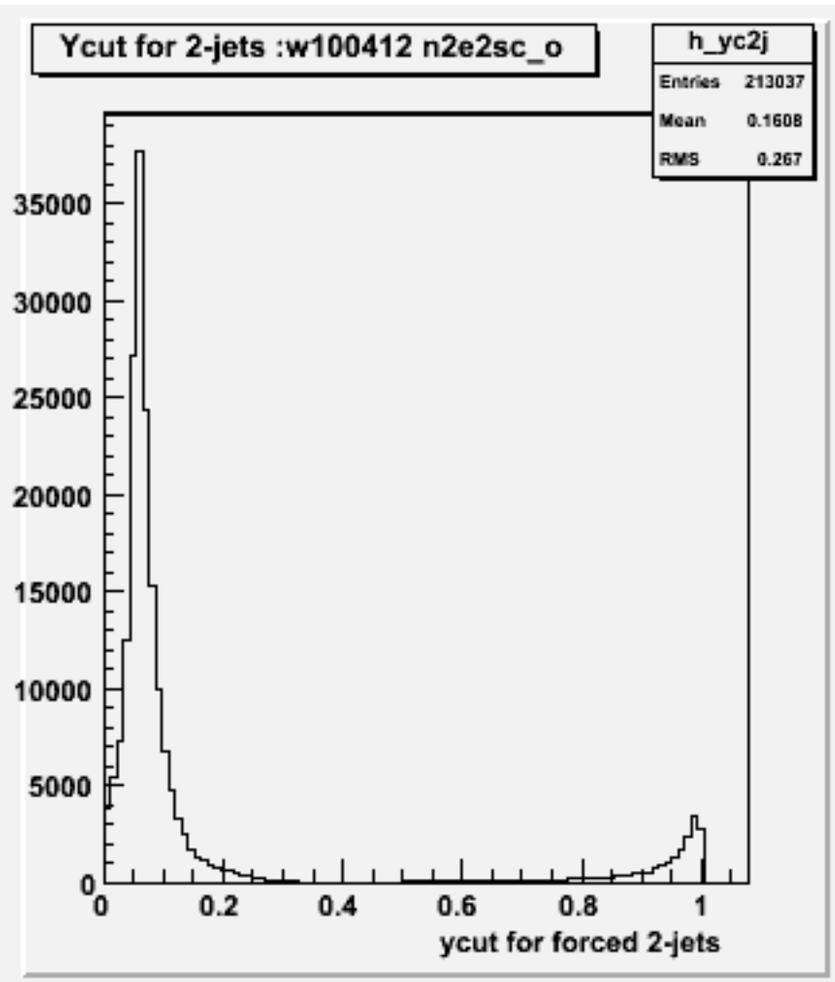

Pt Sum: w100412 n2e2sc_o
h_pt
Entries 213037
Mean 39.19
RMS 26.97
Pt(sum) (GeV)

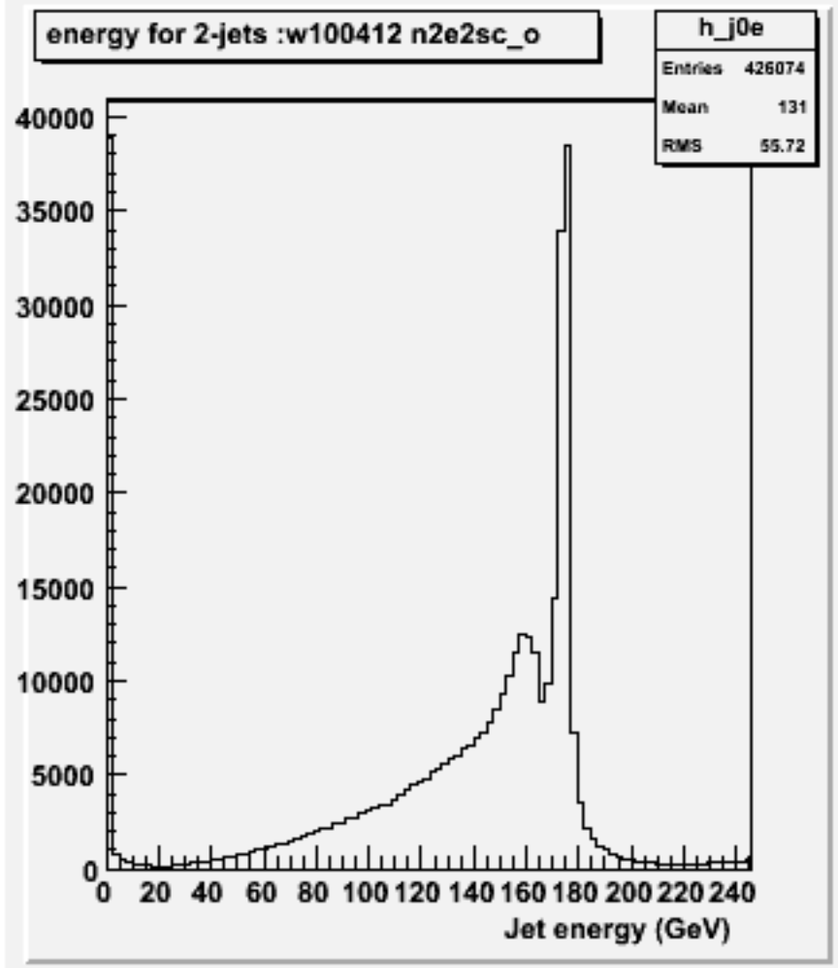

Pz Sum: w100412 n2e2sc_o
h_pz
Entries 213037
Mean 21.92
RMS 37.99
Pz(sum) (GeV)

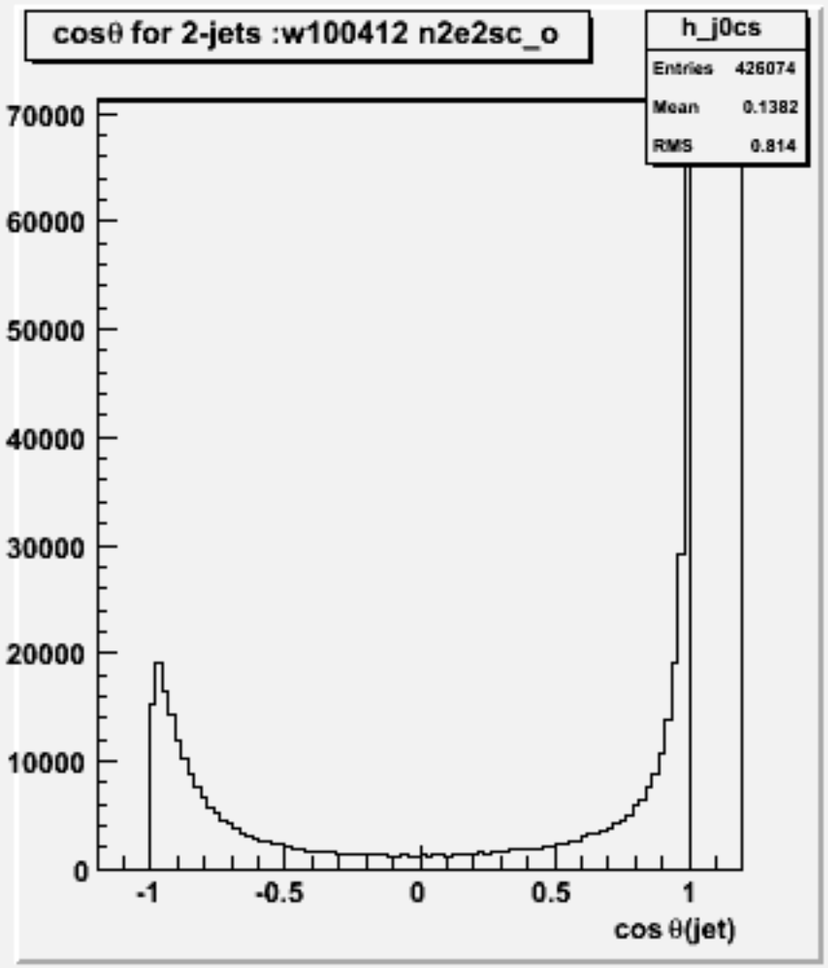

Thrust w100412 n2e2sc_o
h_thrust
Entries 213037
Mean 0.9034
RMS 0.06195
Thrust

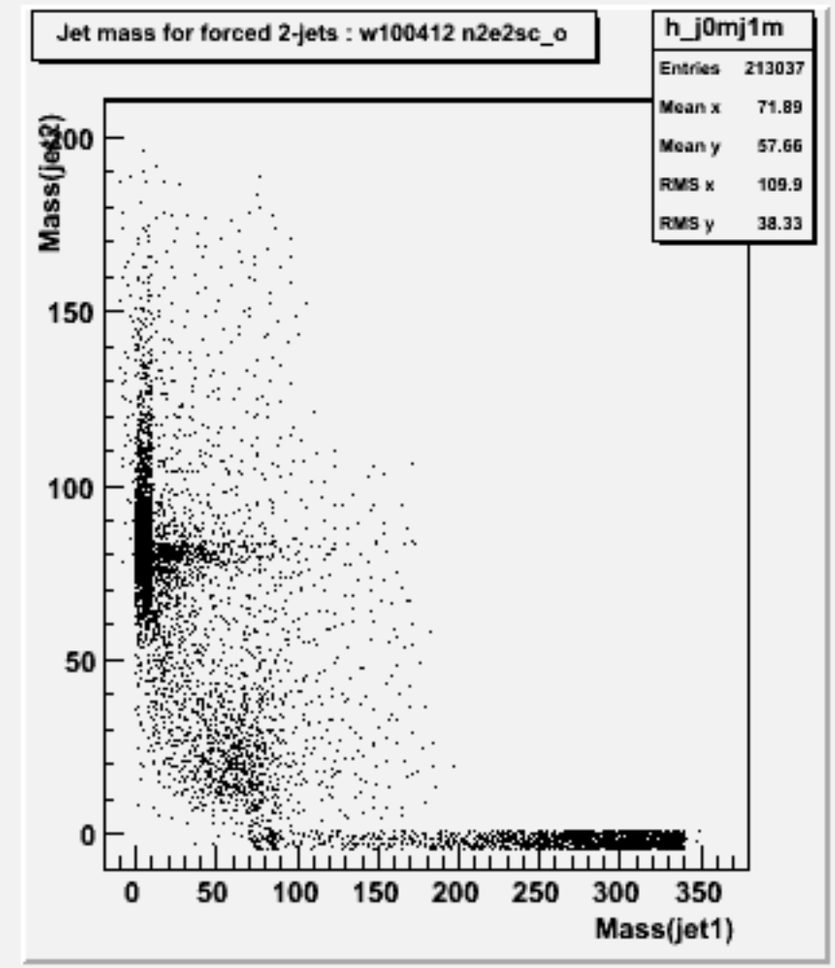

cosΘ(thrust) w100412 n2e2sc_o
h_csth
Entries 213037
Mean 0.6898
RMS 0.4761
Thrust

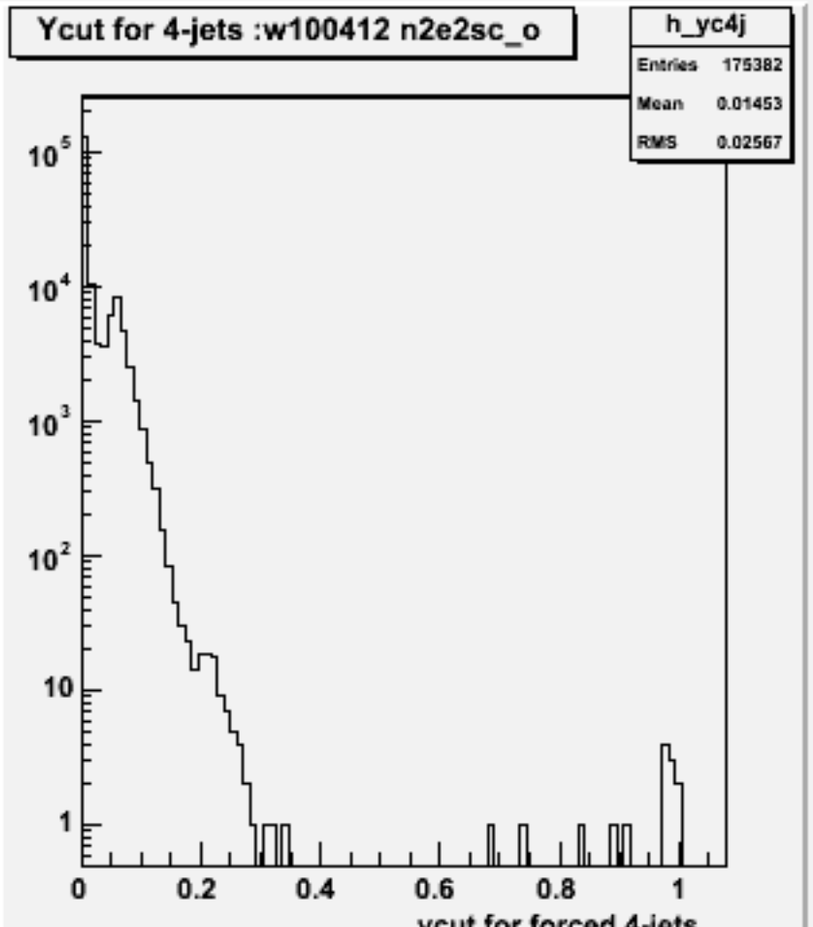

No. jets (ycut=0.001) : w100412 n2e2sc_o
h_njets
Entries 213037
Mean 4.418
RMS 0.9984
No. of jets

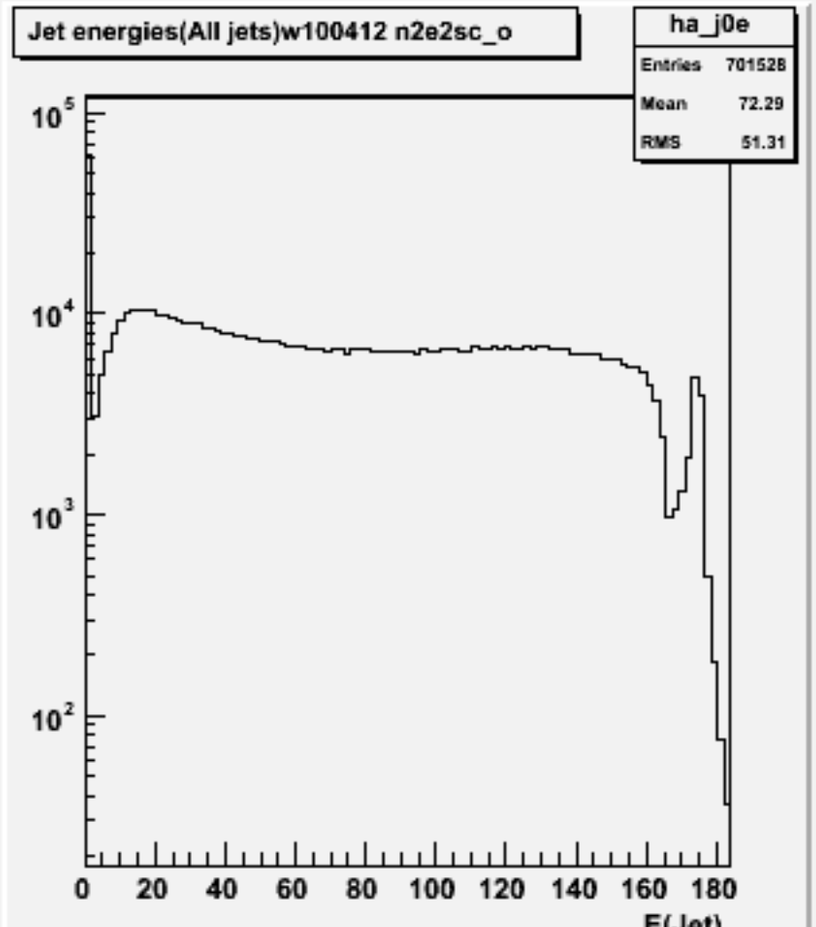

Ycut for 2-jets :w100412 n2e2sc_o
h_yc2j
Entries 213037
Mean 0.1608
RMS 0.267
ycut for forced 2-jets

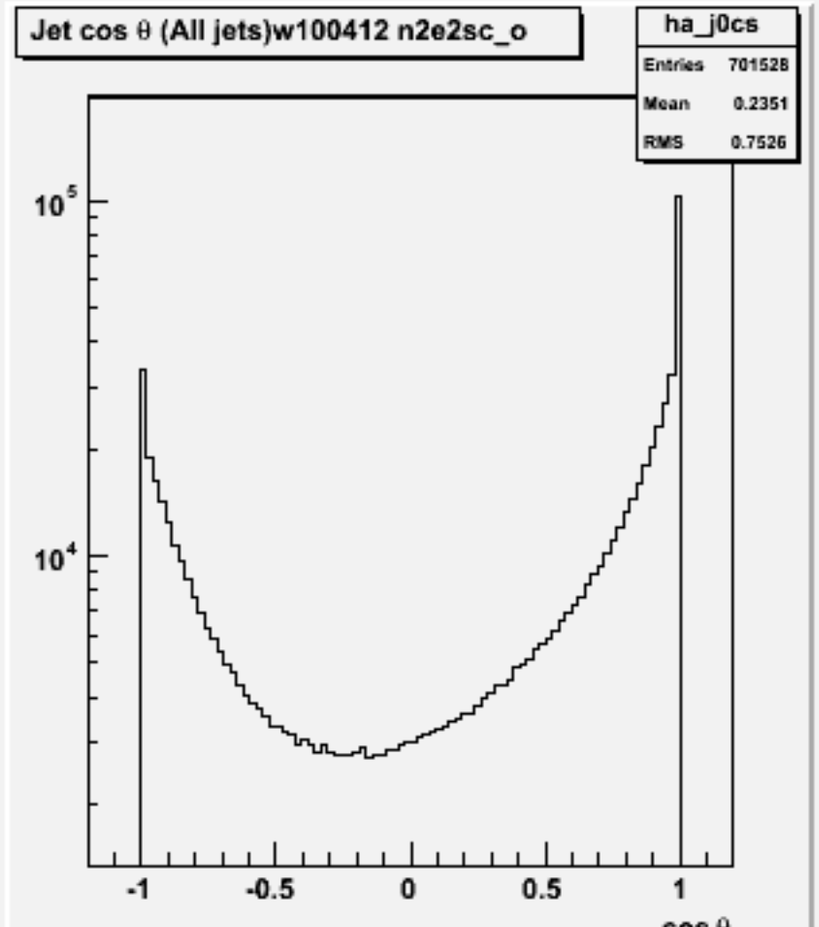

energy for 2-jets :w100412 n2e2sc_o
h_j0e
Entries 426074
Mean 131
RMS 55.72
Jet energy (GeV)

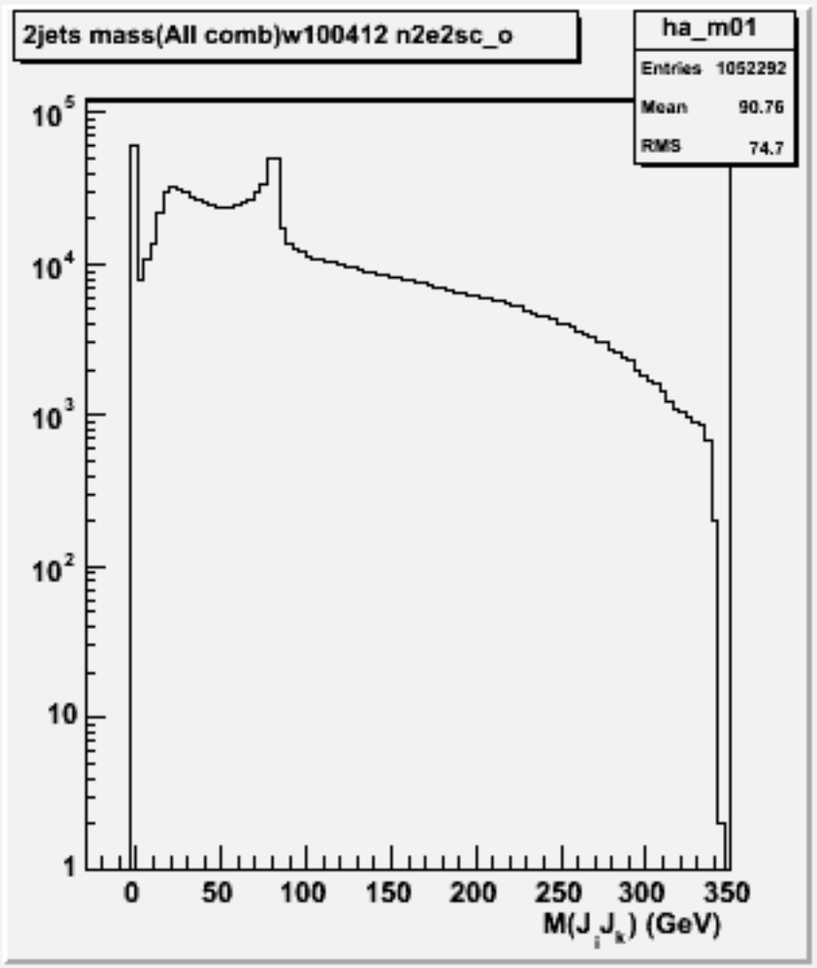

cosθ for 2-jets :w100412 n2e2sc_o
h_j0cs
Entries 426074
Mean 0.1382
RMS 0.814
cos θ(jet)

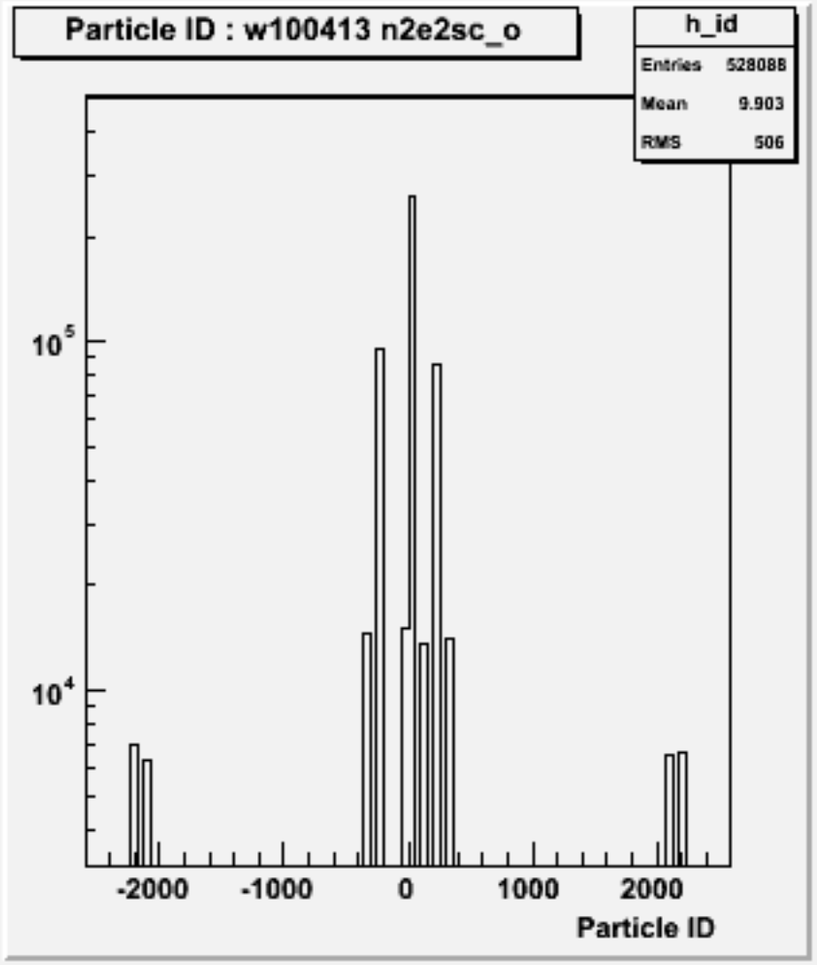

Jet mass for forced 2-jets : w100412 n2e2sc_o
h_j0mj1m
Entries 213037
Mean x 71.89
Mean y 57.66
RMS x 109.9
RMS y 38.33
Mass(jet2)
Mass(jet1)

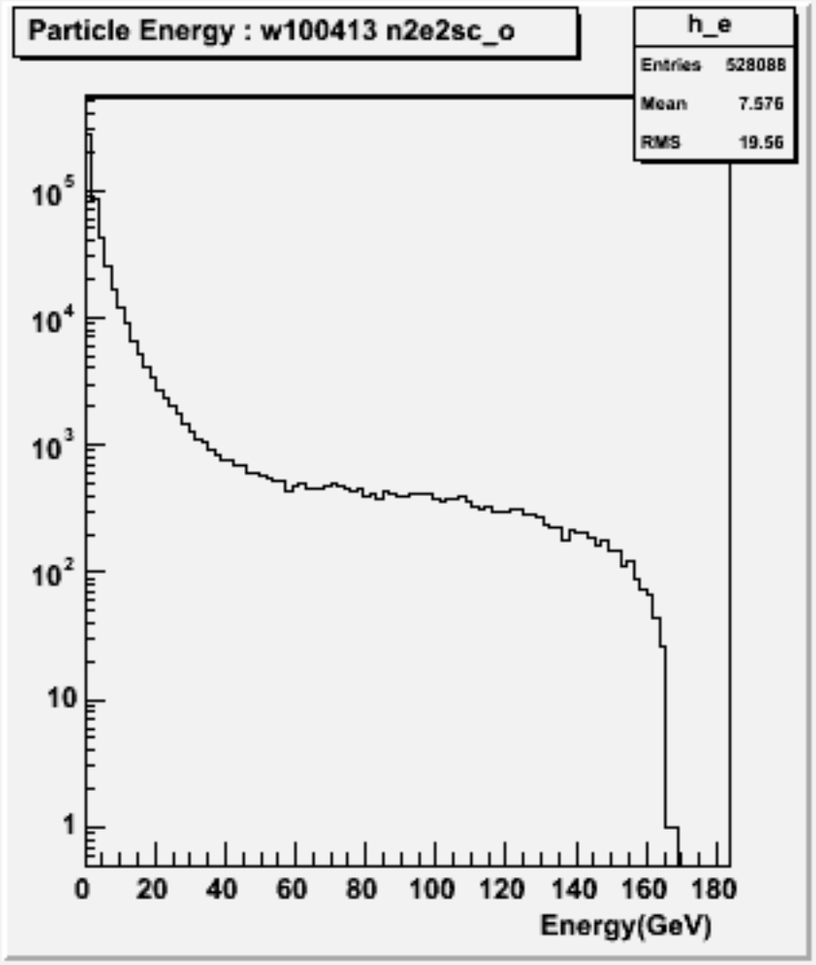

Ycut for 4-jets :w100412 n2e2sc_o
h_yc4j
Entries 175382
Mean 0.01453
RMS 0.02567
ycut for forced 4-jets

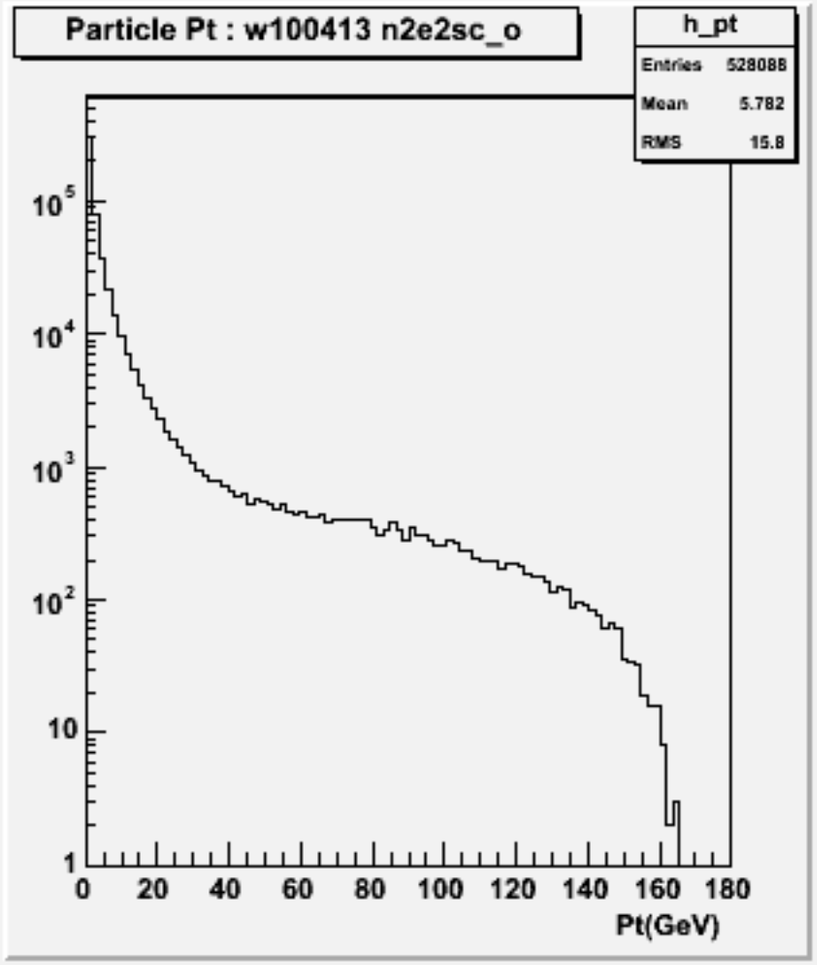

Jet energies(All jets)w100412 n2e2sc_o
ha_j0e
Entries 701528
Mean 72.29
RMS 51.31
E(Jet)

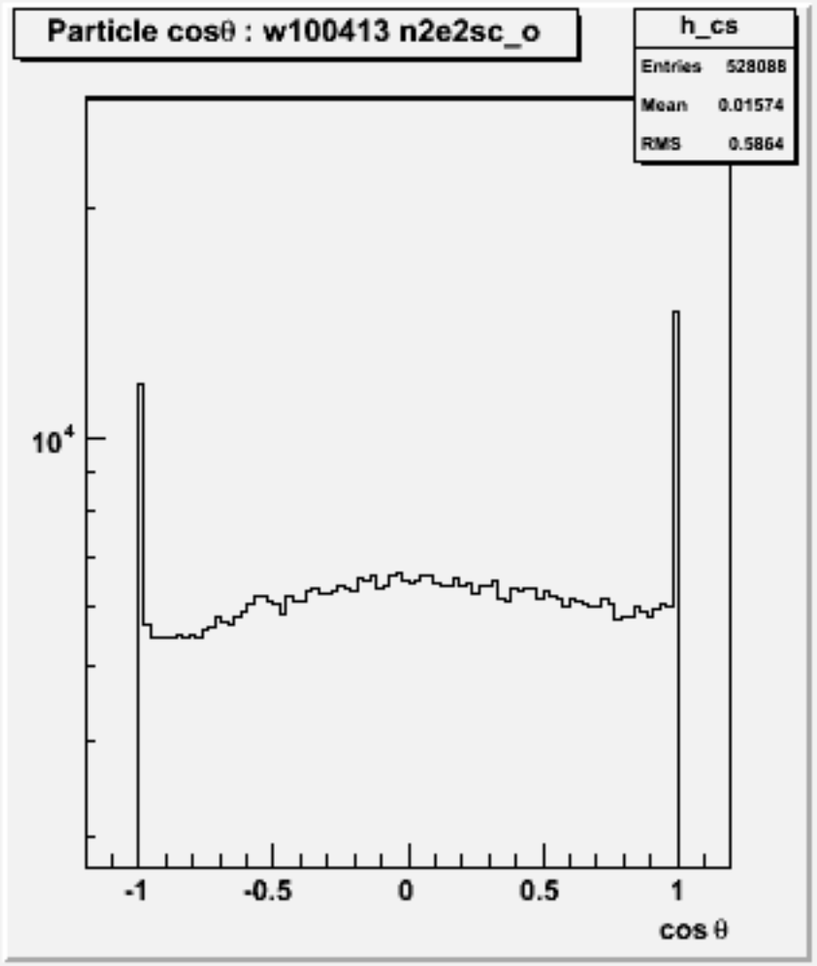

Jet cos θ (All jets)w100412 n2e2sc_o
ha_j0cs
Entries 701528
Mean 0.2351
RMS 0.7526
cos θ

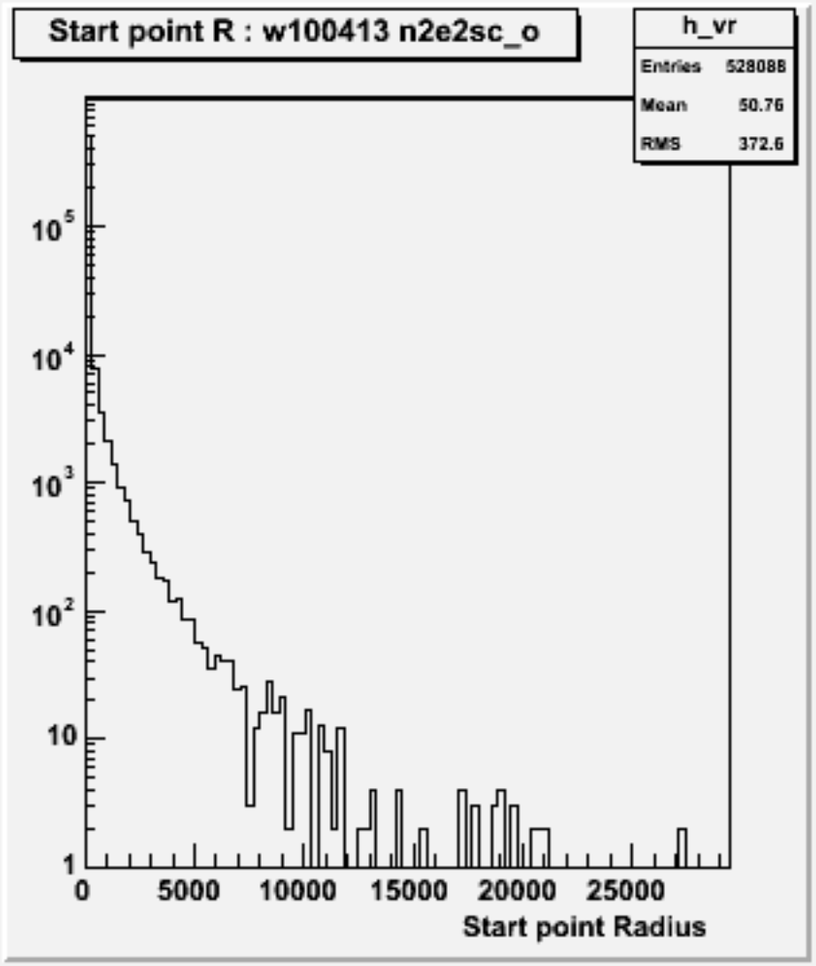

2jets mass(All comb)w100412 n2e2sc_o
ha_m01
Entries 1052292
Mean 90.76
RMS 74.7
M(J_iJ_k) (GeV)

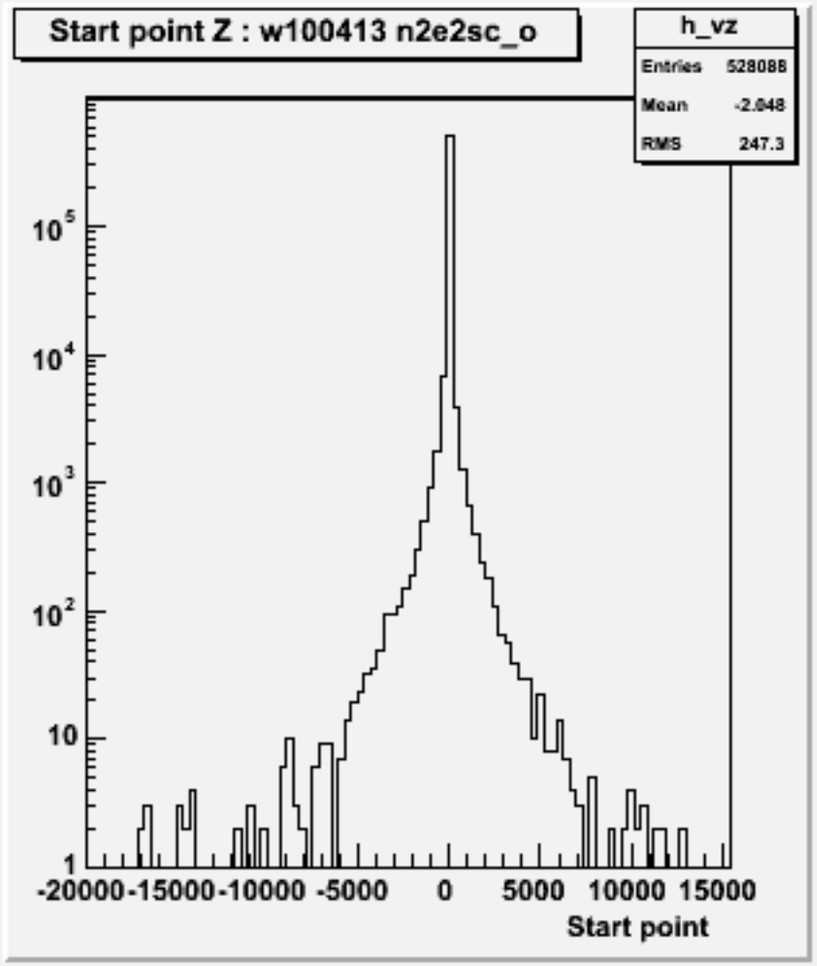

Particle ID : w100413 n2e2sc_o
h_id
Entries 528088
Mean 9.903
RMS 506
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

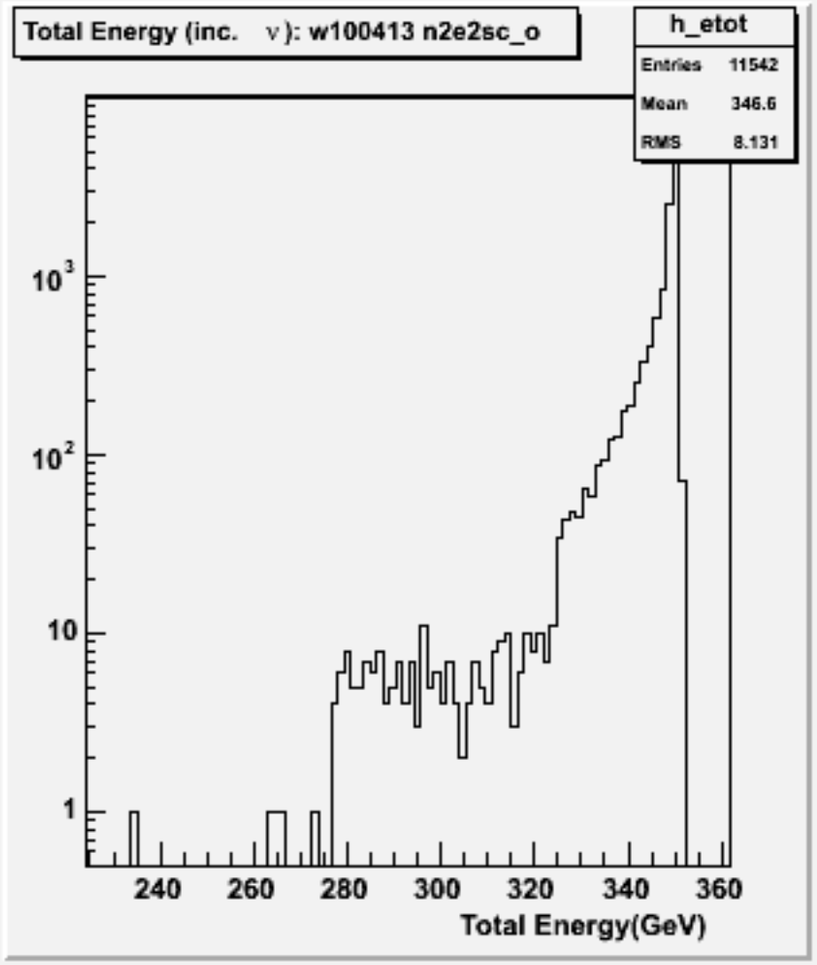

Particle Energy : w100413 n2e2sc_o
h_e
Entries 528088
Mean 7.576
RMS 19.56
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

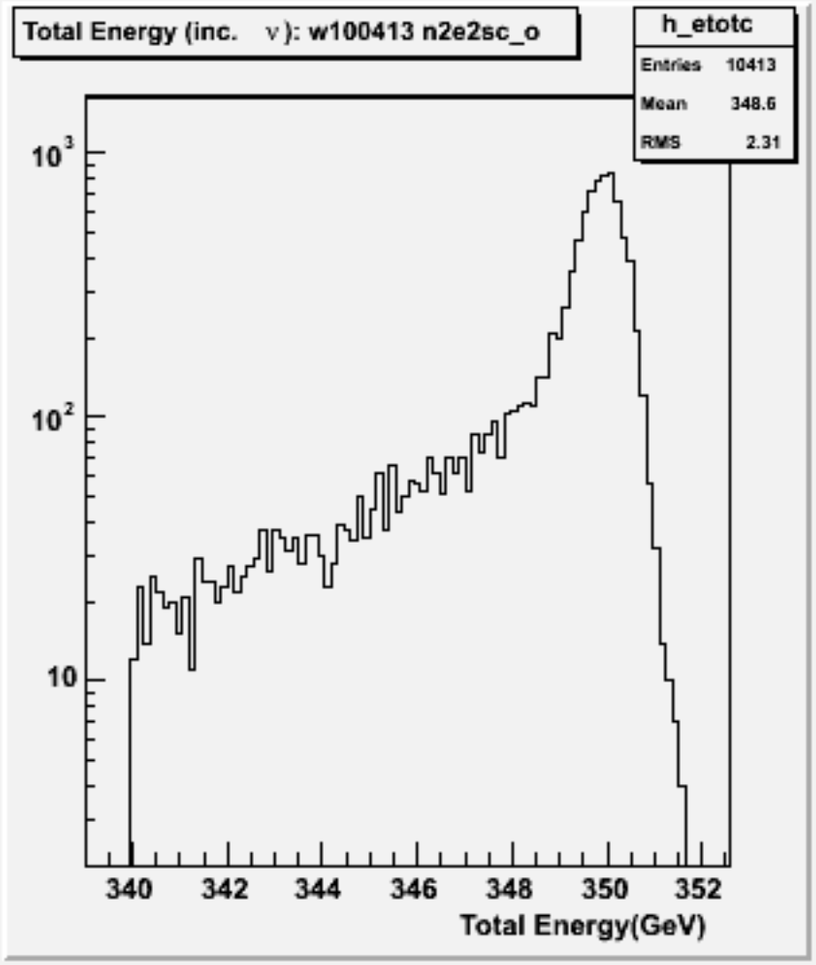

Particle Pt : w100413 n2e2sc_o
h_pt
Entries 528088
Mean 5.782
RMS 15.8
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

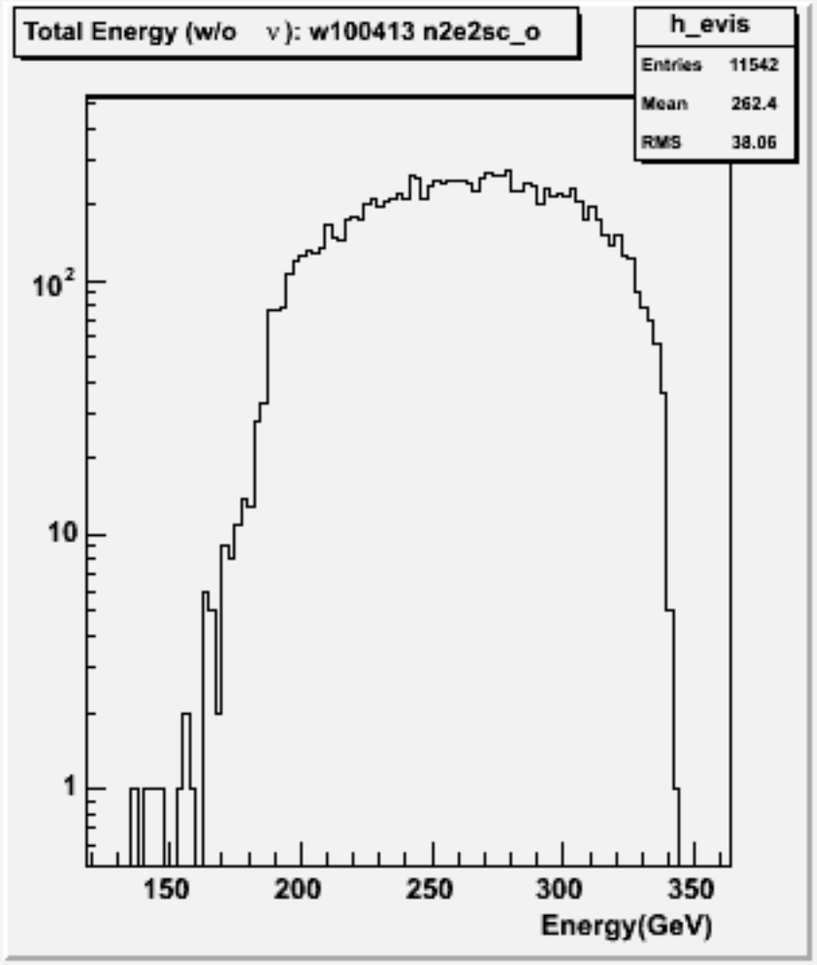

Particle cosθ : w100413 n2e2sc_o
h_cs
Entries 528088
Mean 0.01574
RMS 0.5864
10^4
-1
-0.5
0
0.5
1
cos θ

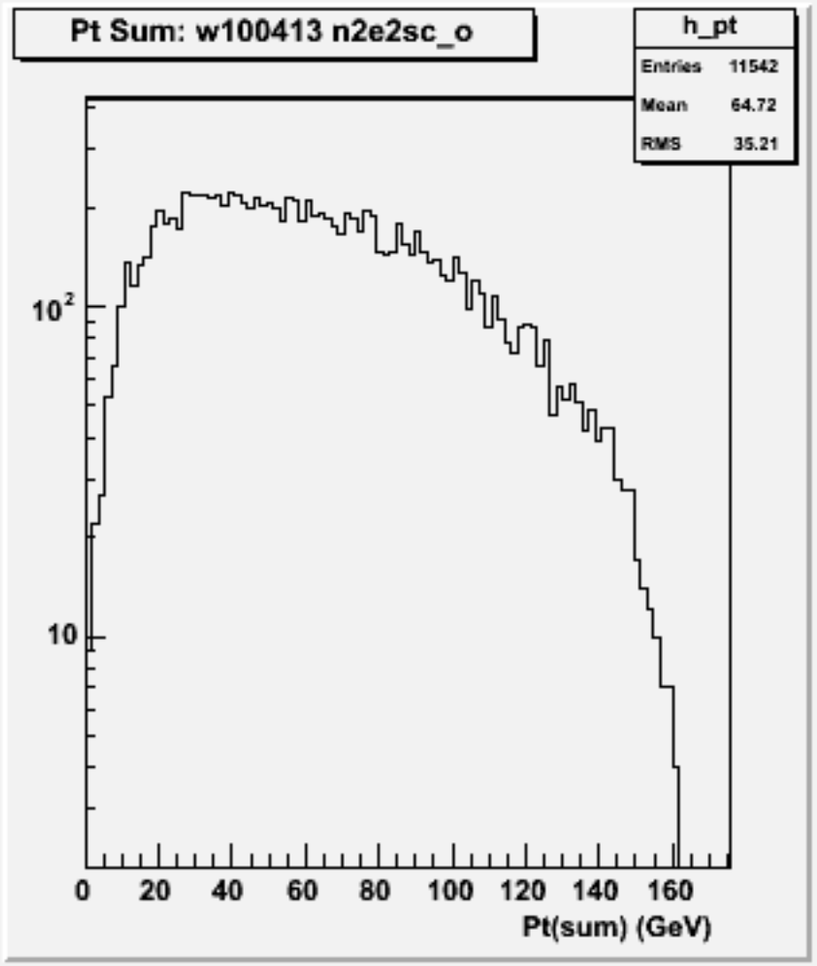

Start point R : w100413 n2e2sc_o
h_vr
Entries 528088
Mean 50.76
RMS 372.6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

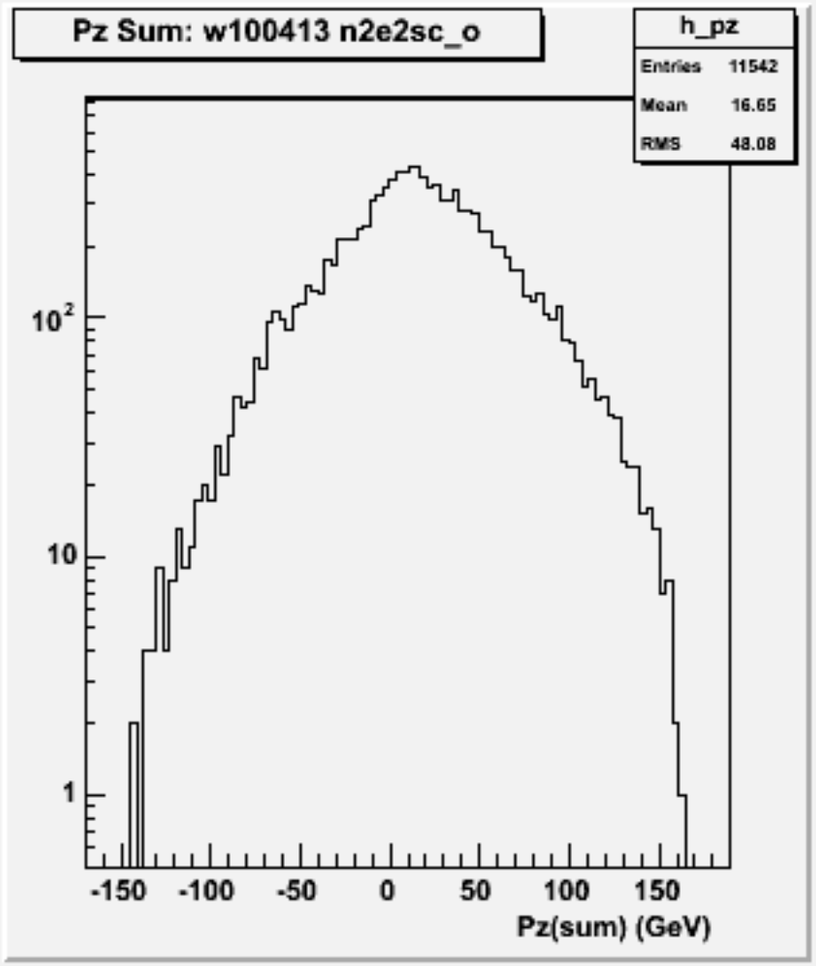

Start point Z : w100413 n2e2sc_o
h_vz
Entries 528088
Mean -2.048
RMS 247.3
10^5
10^4
10^3
10^2
10
1
-20000
-15000
-10000
-5000
0
5000
10000
15000
Start point

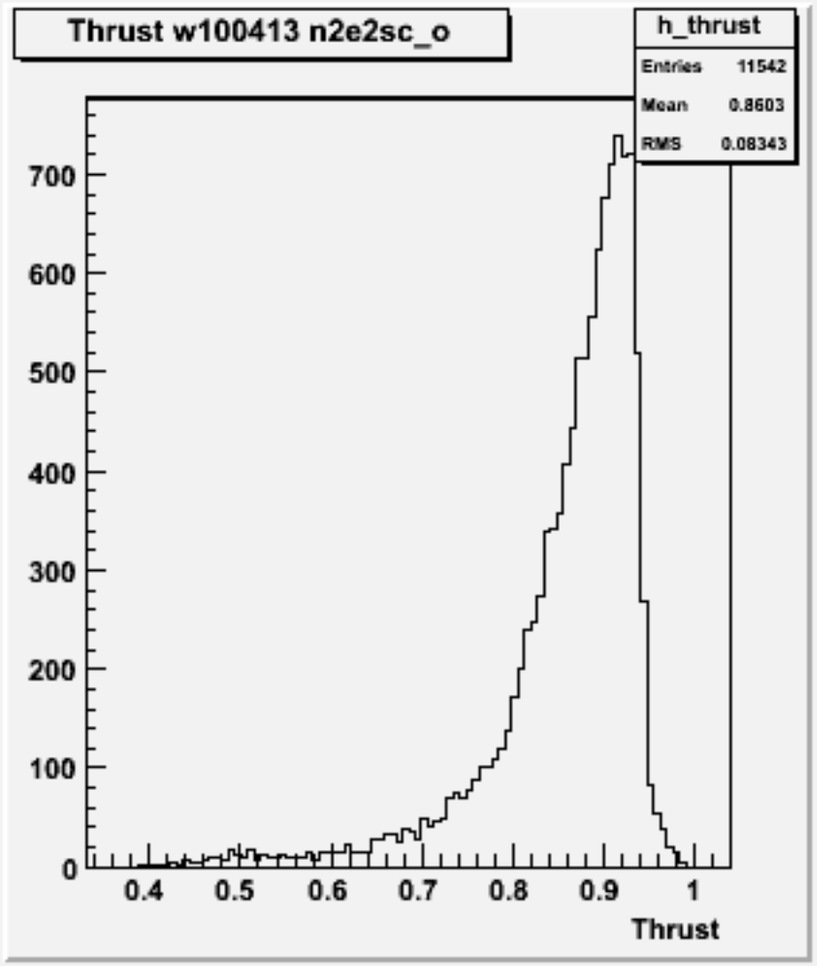

Total Energy (inc. ν): w100413 n2e2sc_o
h_etot
Entries 11542
Mean 346.6
RMS 8.131
Total Energy(GeV)

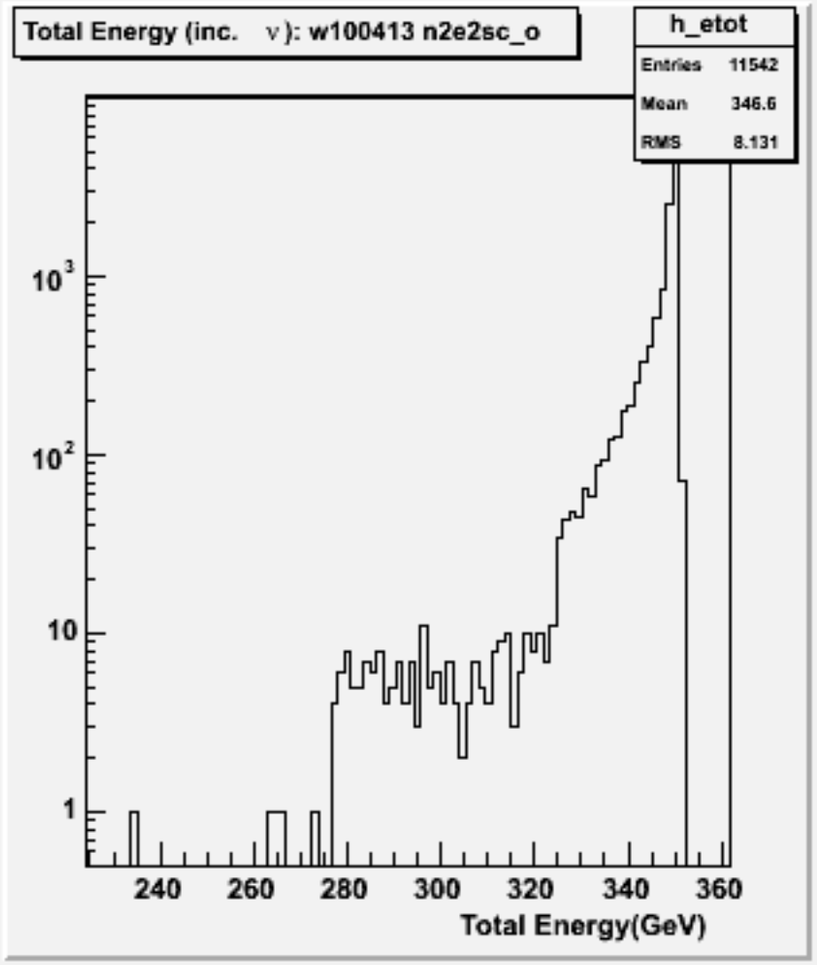

Total Energy (inc. ν): w100413 n2e2sc_o
h_etotc
Entries 10413
Mean 348.6
RMS 2.31
Total Energy(GeV)

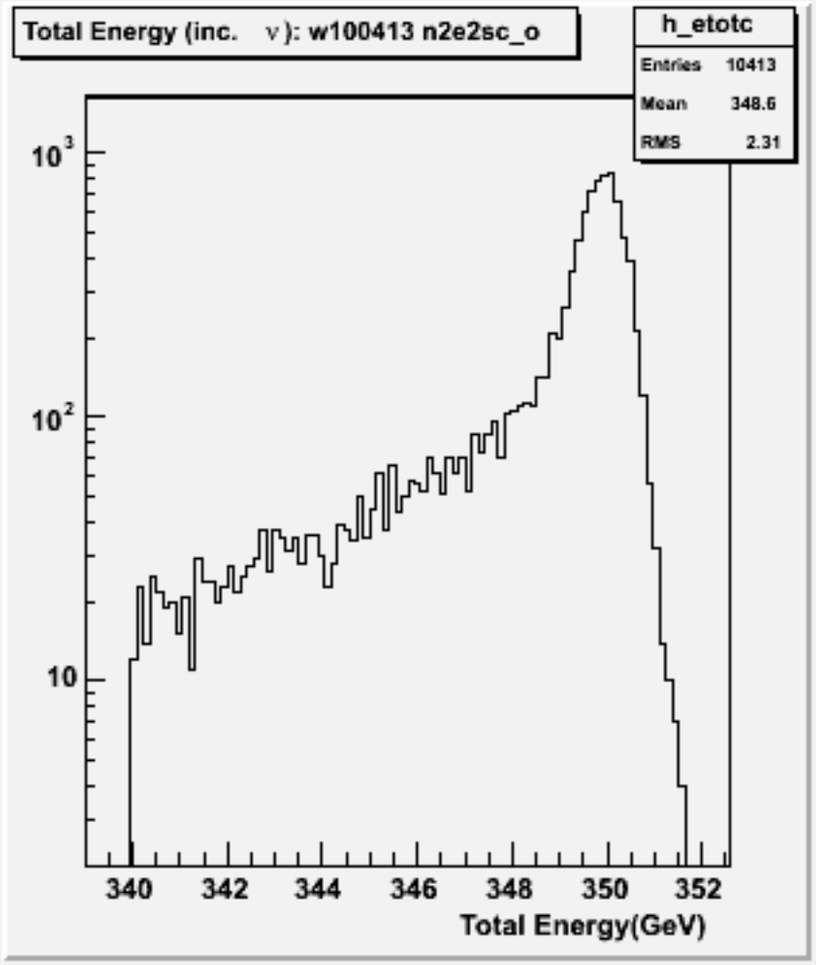

Total Energy (w/o ν): w100413 n2e2sc_o
h_evis
Entries 11542
Mean 262.4
RMS 38.06
Energy(GeV)

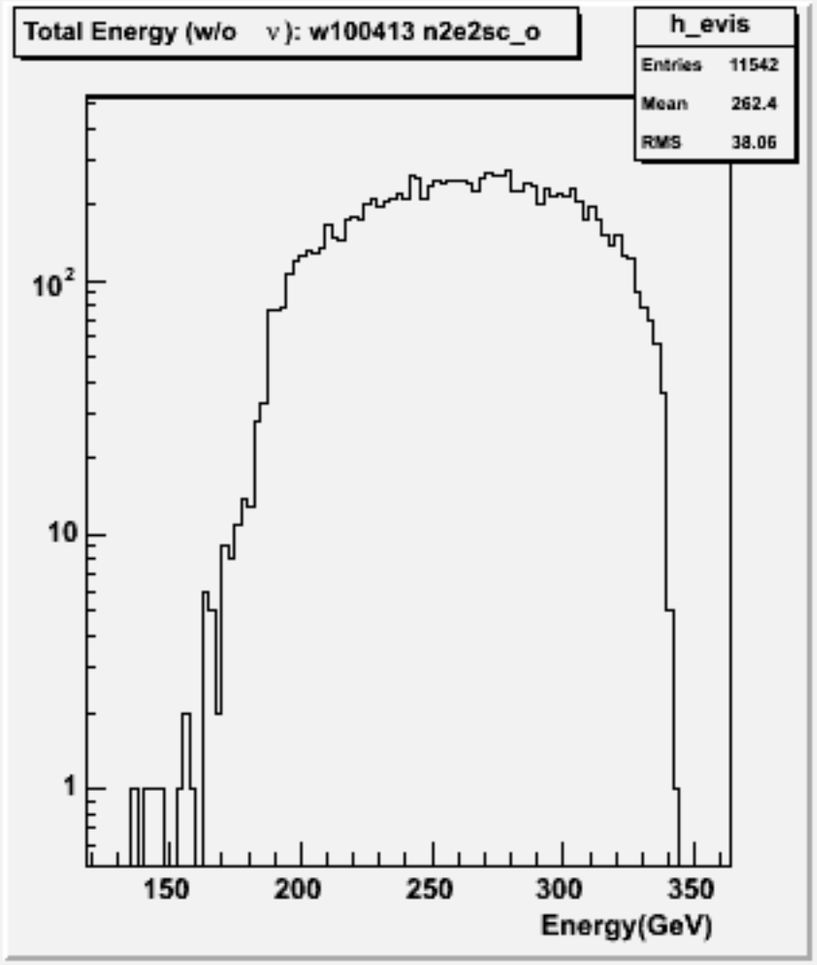

Pt Sum: w100413 n2e2sc_o
h_pt
Entries 11542
Mean 64.72
RMS 35.21
Pt(sum) (GeV)

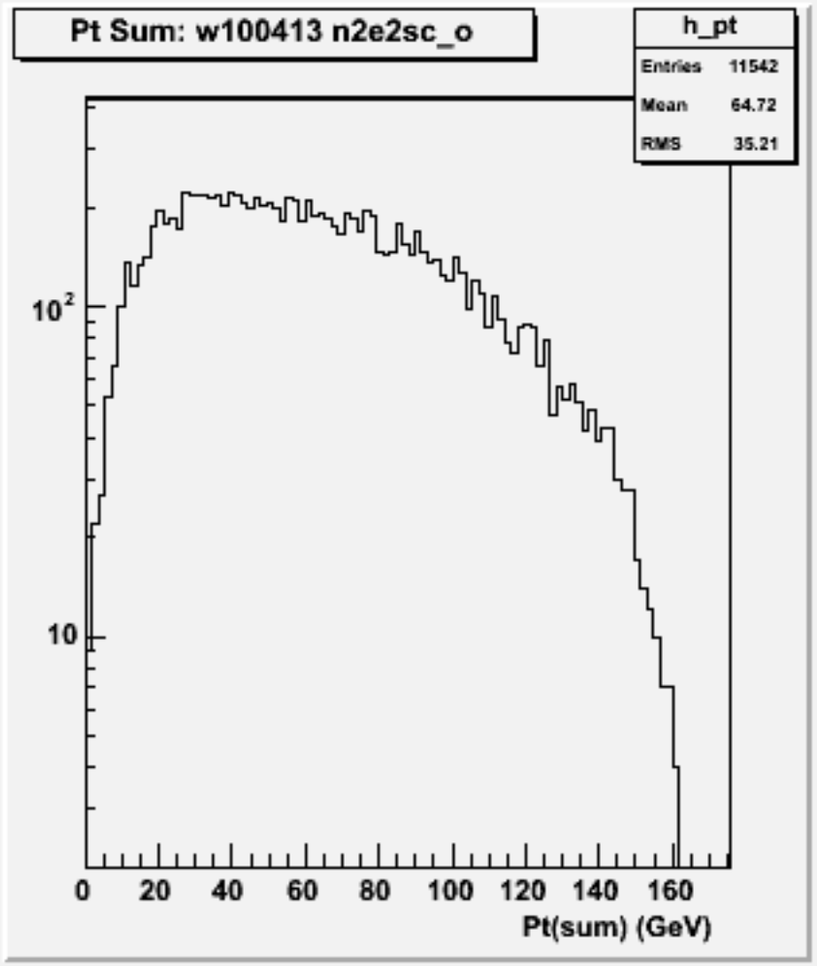

Pz Sum: w100413 n2e2sc_o
h_pz
Entries 11542
Mean 16.65
RMS 48.08
Pz(sum) (GeV)

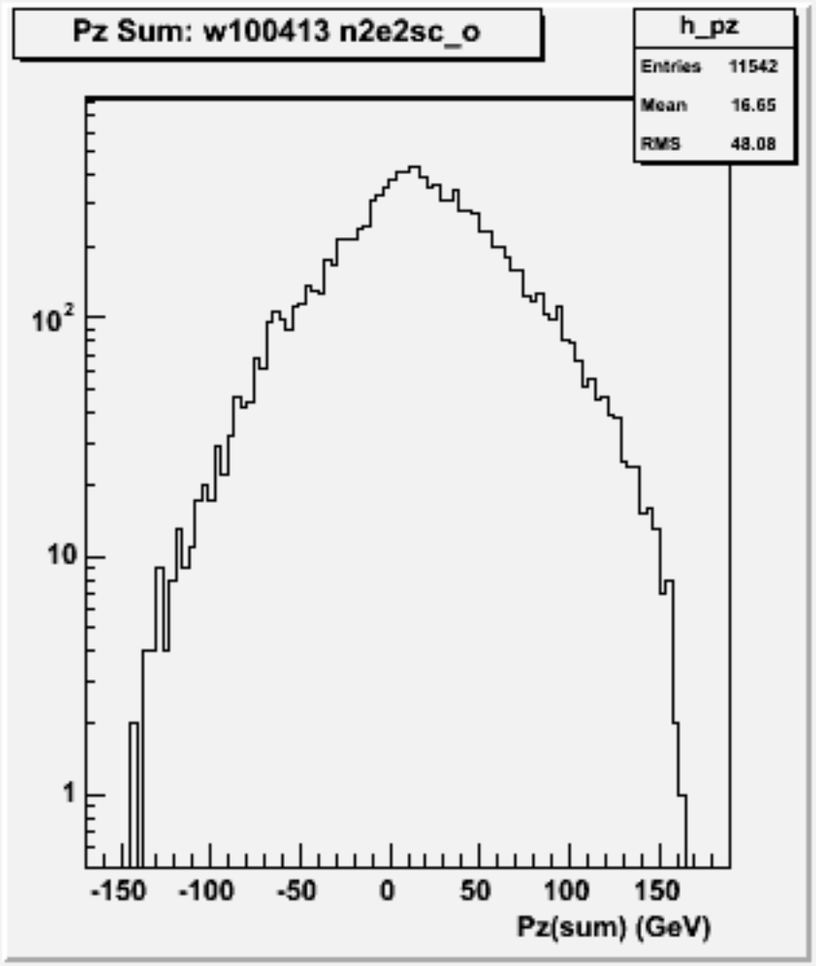

Thrust w100413 n2e2sc_o
h_thrust
Entries 11542
Mean 0.8603
RMS 0.08343
Thrust

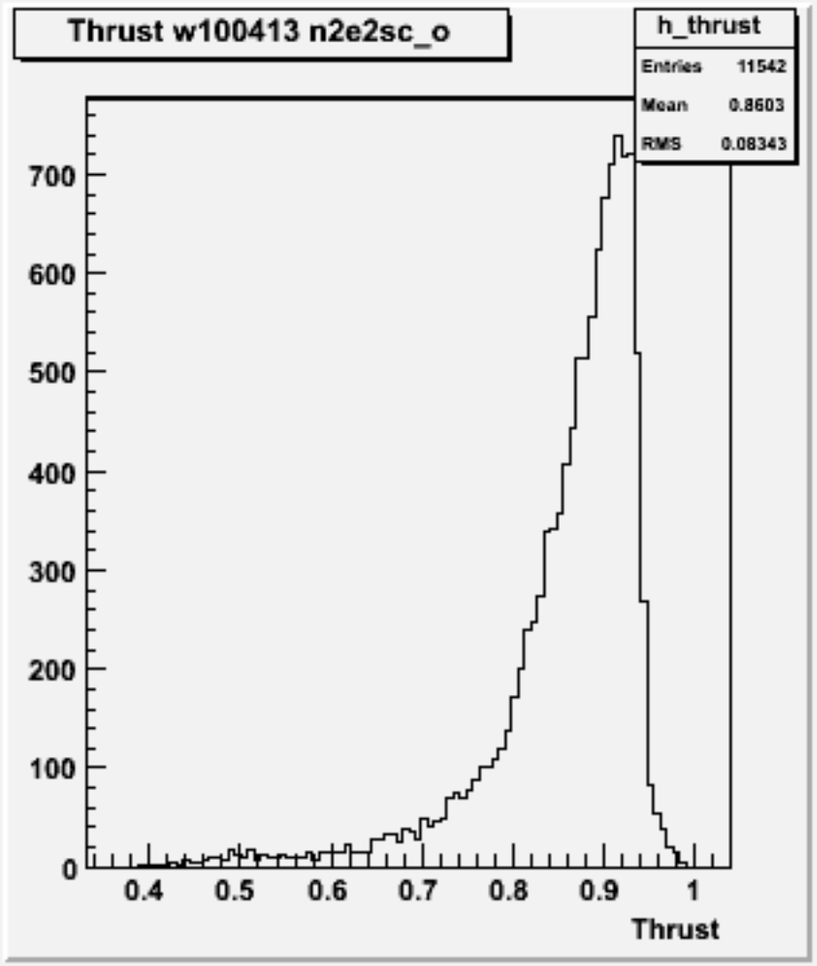

Total Energy (inc. ν): w100413 n2e2sc_o
h_etot
Entries 11542
Mean 346.6
RMS 8.131
Total Energy(GeV)

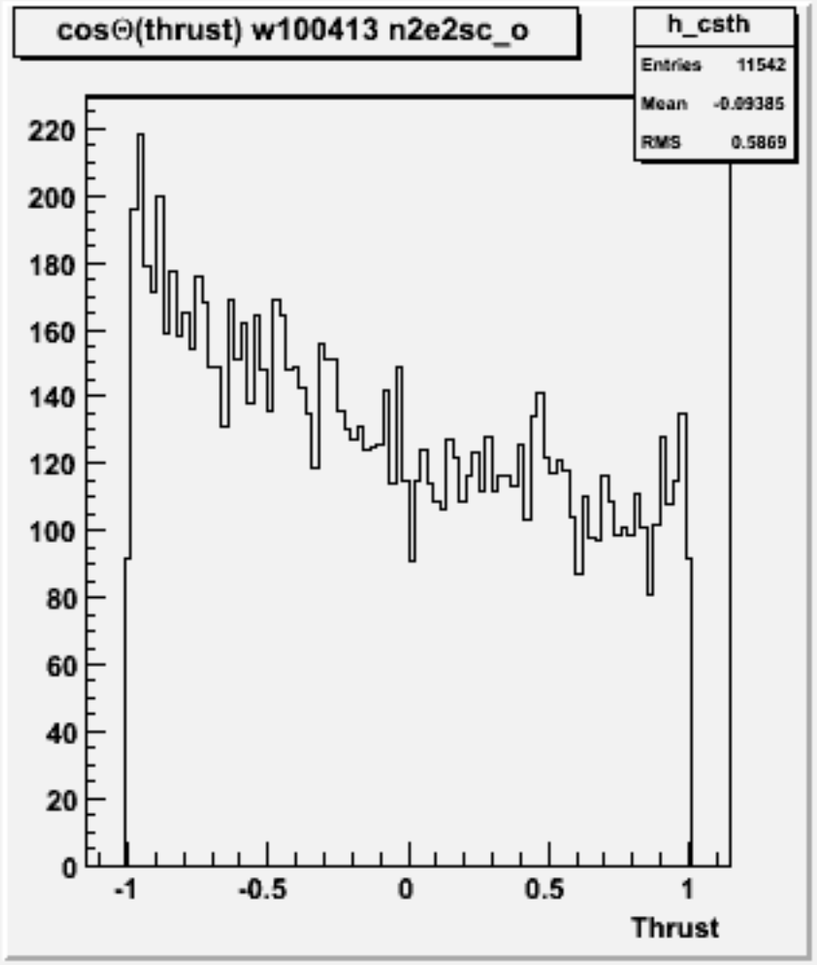

Total Energy (inc. ν): w100413 n2e2sc_o
h_etotc
Entries 10413
Mean 348.6
RMS 2.31
Total Energy(GeV)

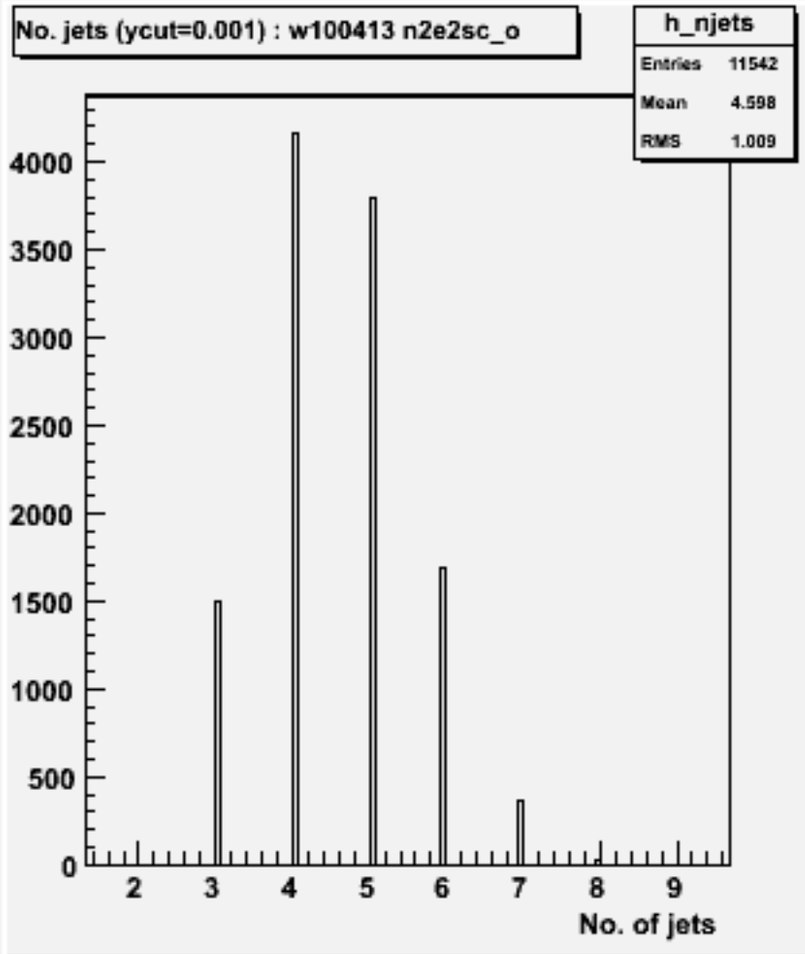

Total Energy (w/o ν): w100413 n2e2sc_o
h_evis
Entries 11542
Mean 262.4
RMS 38.06
Energy(GeV)

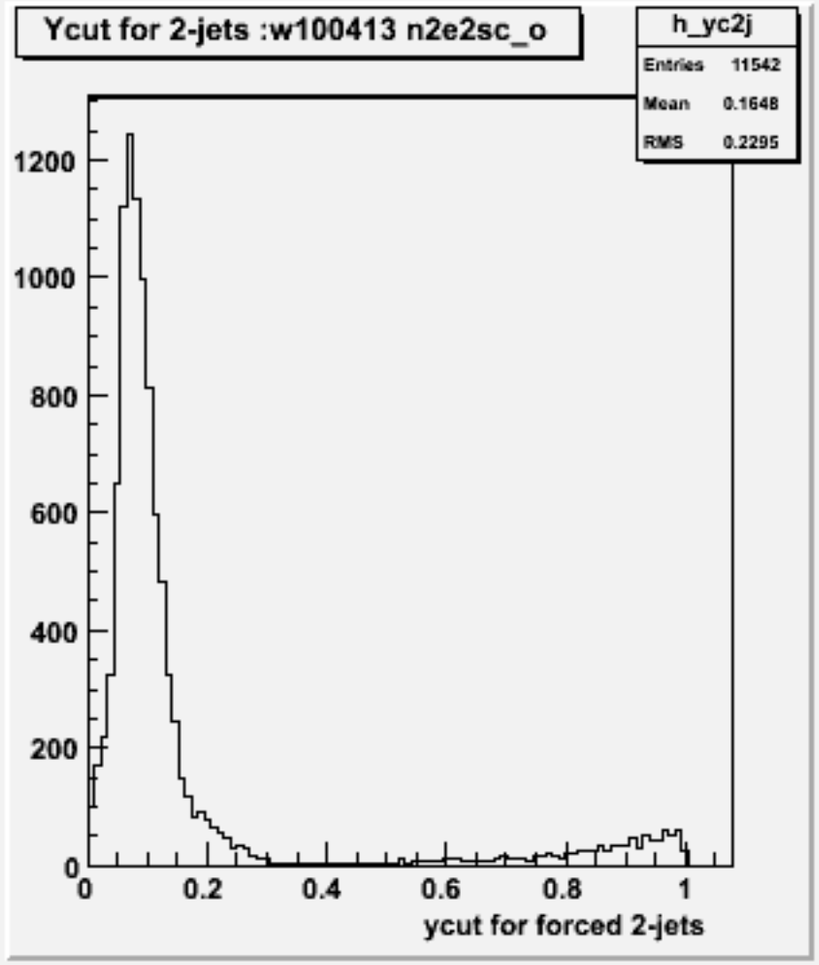

Pt Sum: w100413 n2e2sc_o
h_pt
Entries 11542
Mean 64.72
RMS 35.21
Pt(sum) (GeV)

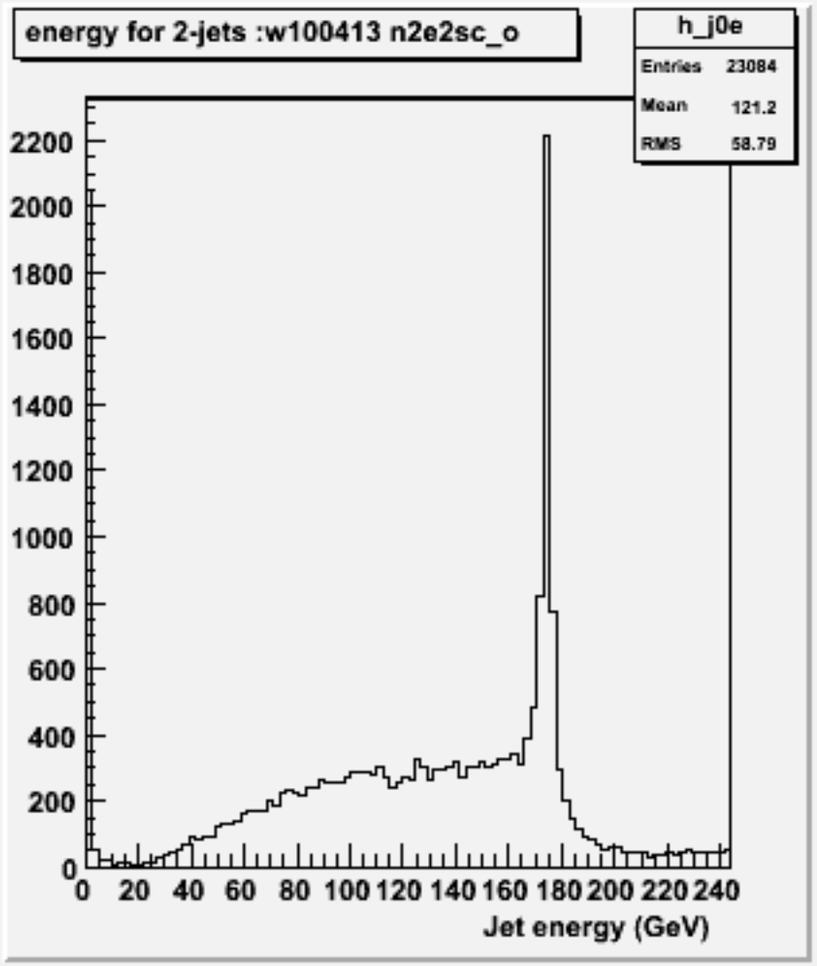

Pz Sum: w100413 n2e2sc_o
h_pz
Entries 11542
Mean 16.65
RMS 48.08
Pz(sum) (GeV)

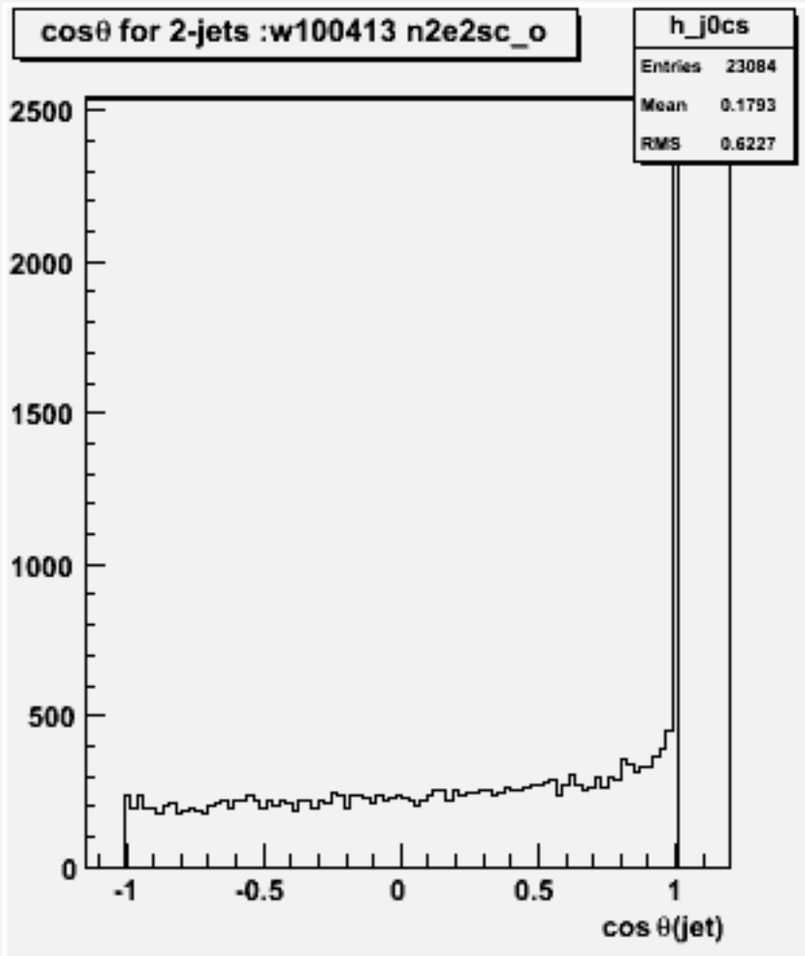

Thrust w100413 n2e2sc_o
h_thrust
Entries 11542
Mean 0.8603
RMS 0.08343
Thrust

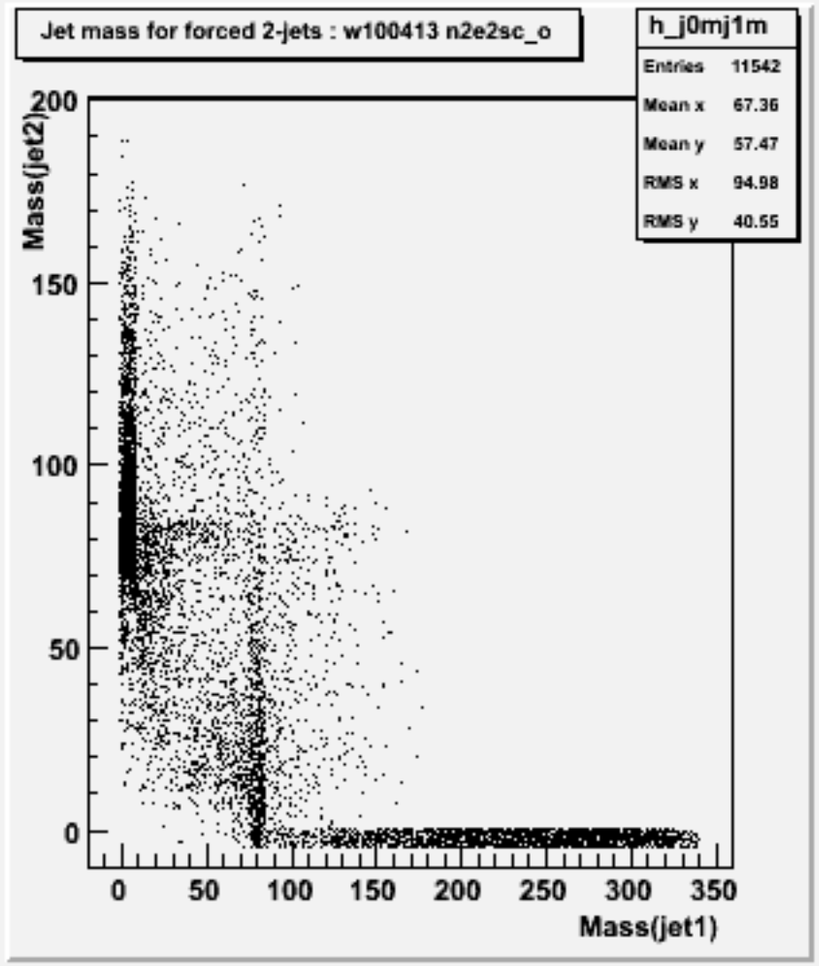

cosΘ(thrust) w100413 n2e2sc_o
h_csth
Entries 11542
Mean -0.09385
RMS 0.5869
Thrust

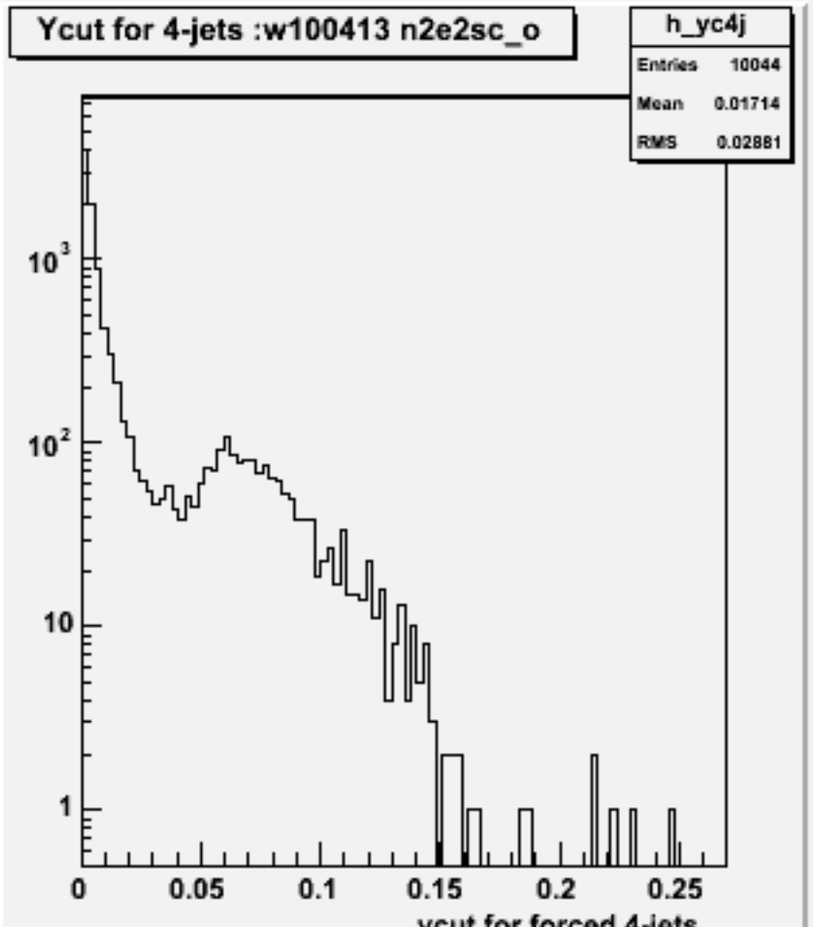

No. jets (ycut=0.001) : w100413 n2e2sc_o
h_njets
Entries 11542
Mean 4.598
RMS 1.009
No. of jets

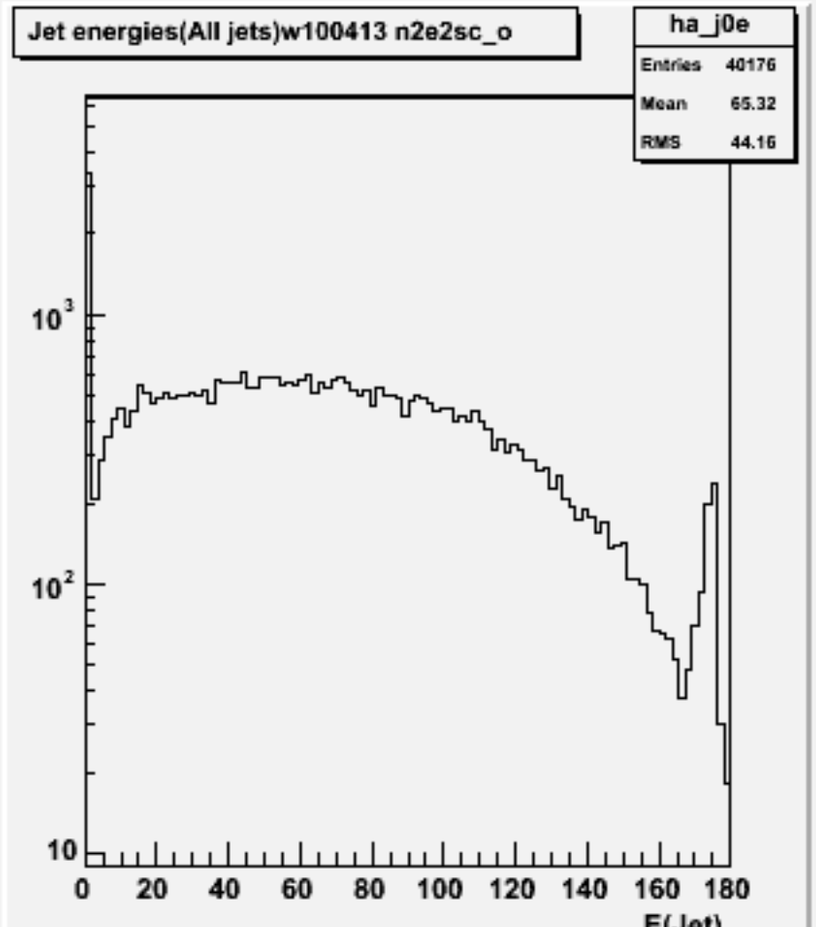

Ycut for 2-jets :w100413 n2e2sc_o
h_yc2j
Entries 11542
Mean 0.1648
RMS 0.2295
ycut for forced 2-jets

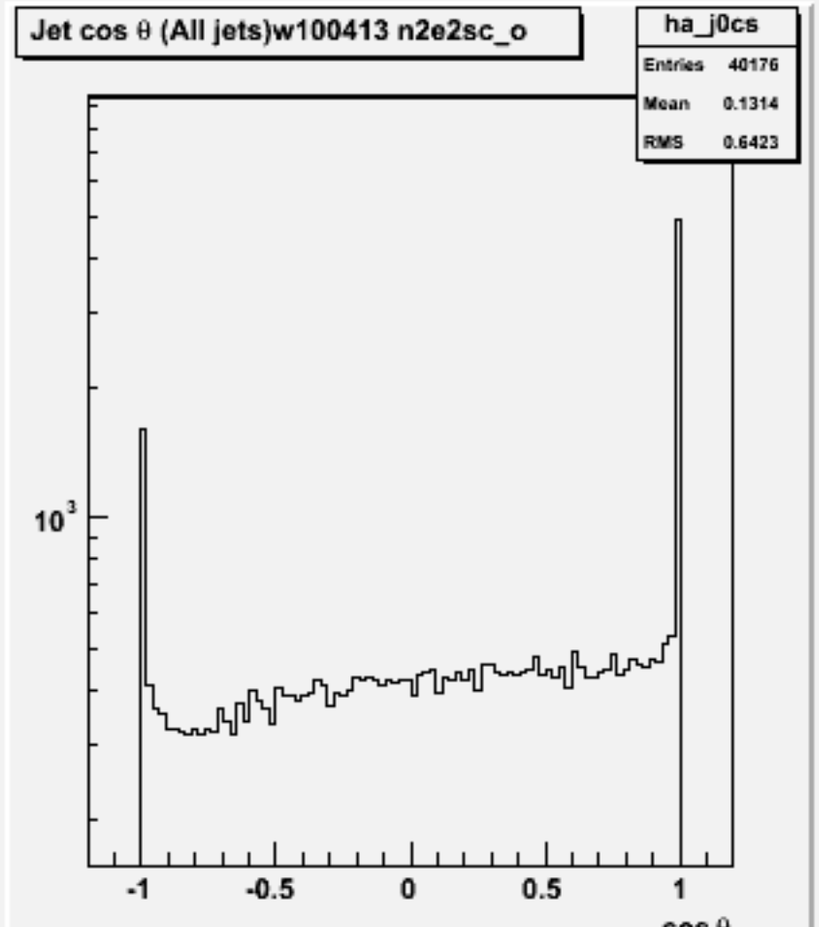

energy for 2-jets :w100413 n2e2sc_o
h_j0e
Entries 23084
Mean 121.2
RMS 58.79
Jet energy (GeV)

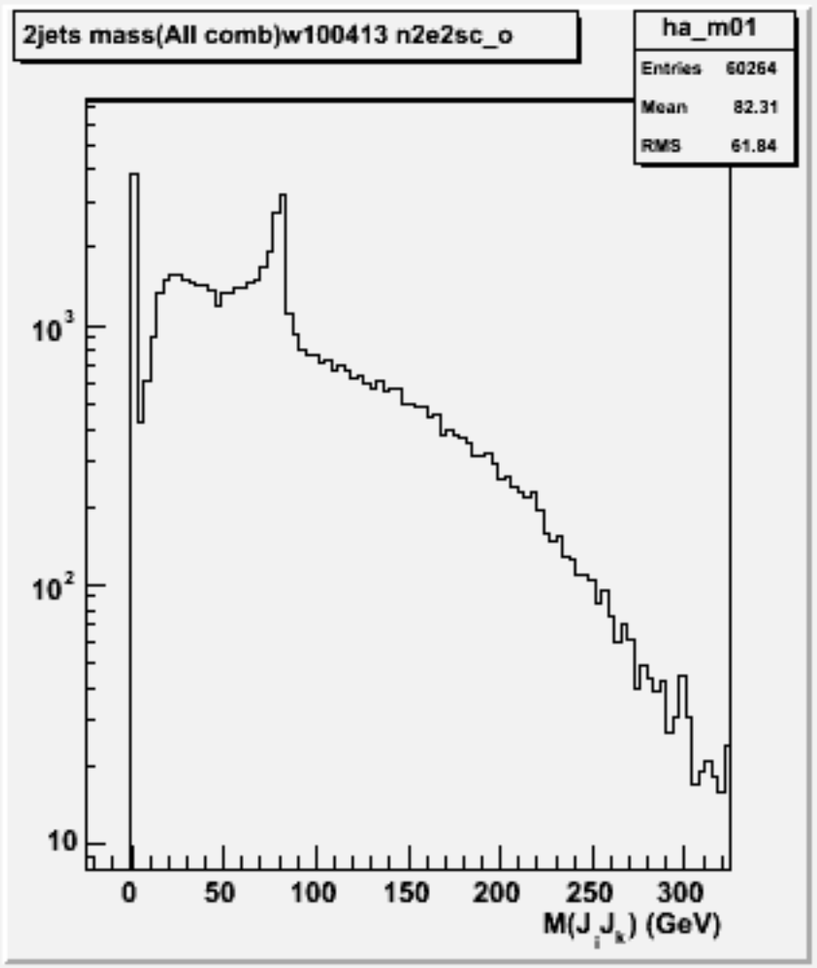

cosθ for 2-jets :w100413 n2e2sc_o
h_j0cs
Entries 23084
Mean 0.1793
RMS 0.6227
cos θ(jet)

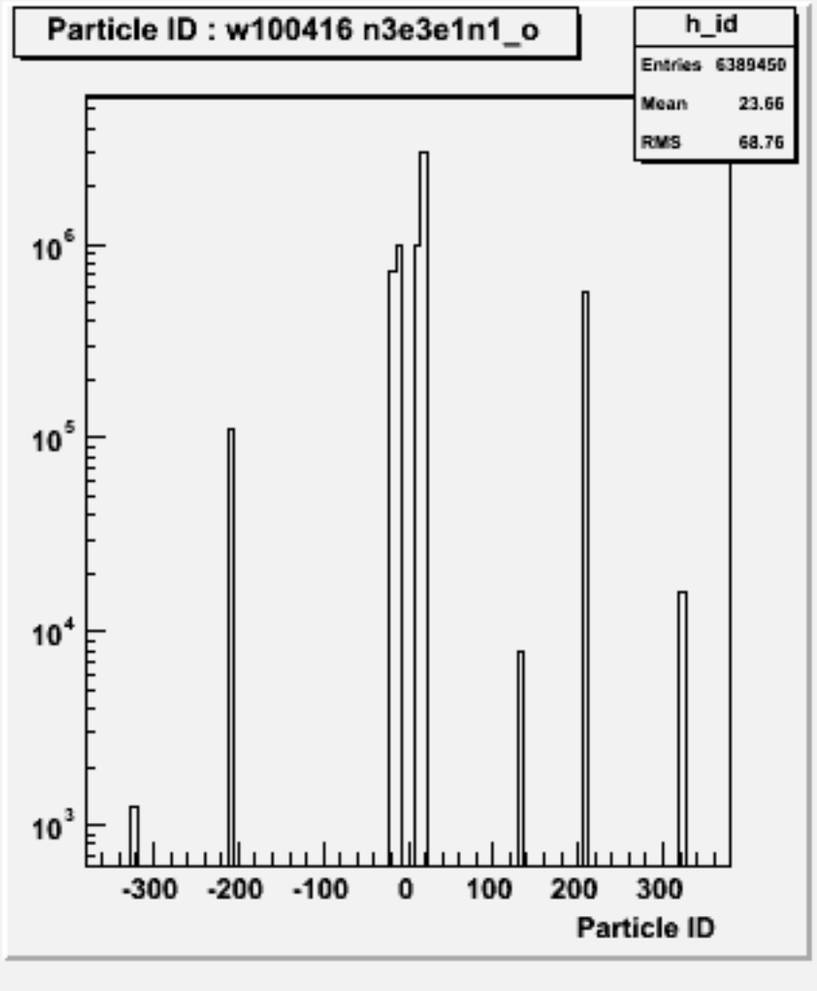

Jet mass for forced 2-jets : w100413 n2e2sc_o
h_j0mj1m
Entries 11542
Mean x 67.36
Mean y 57.47
RMS x 94.98
RMS y 40.55
Mass(jet2)
Mass(jet1)

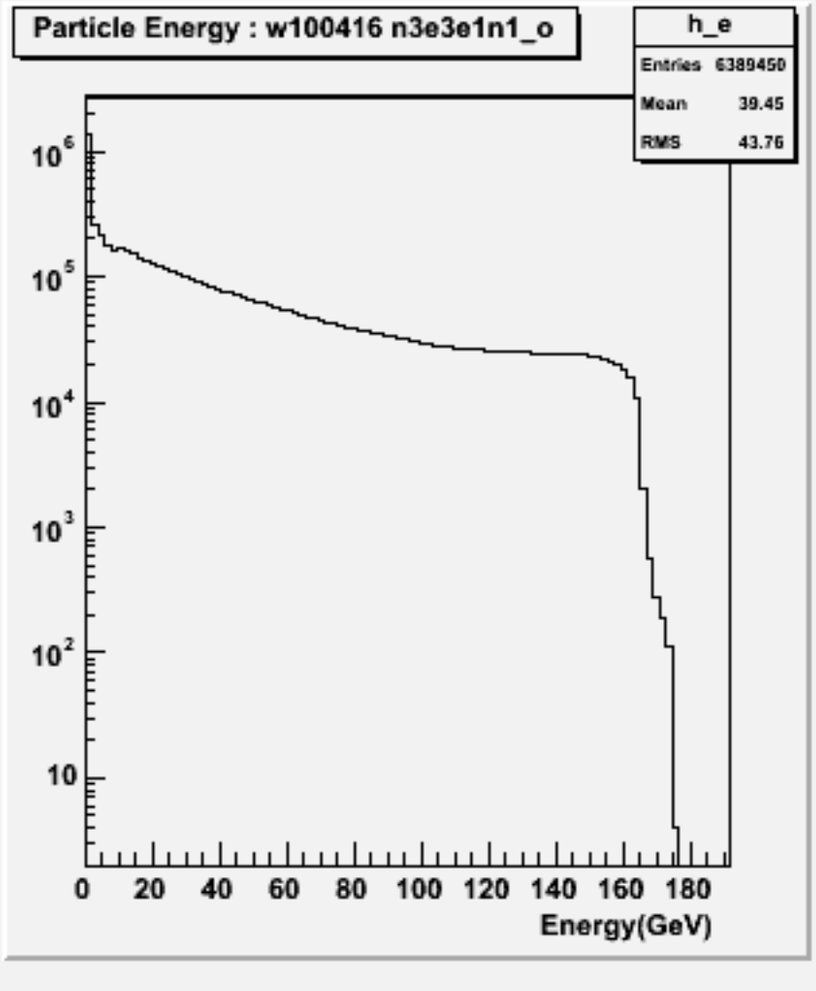

Ycut for 4-jets :w100413 n2e2sc_o
h_yc4j
Entries 10044
Mean 0.01714
RMS 0.02881
ycut for forced 4-jets

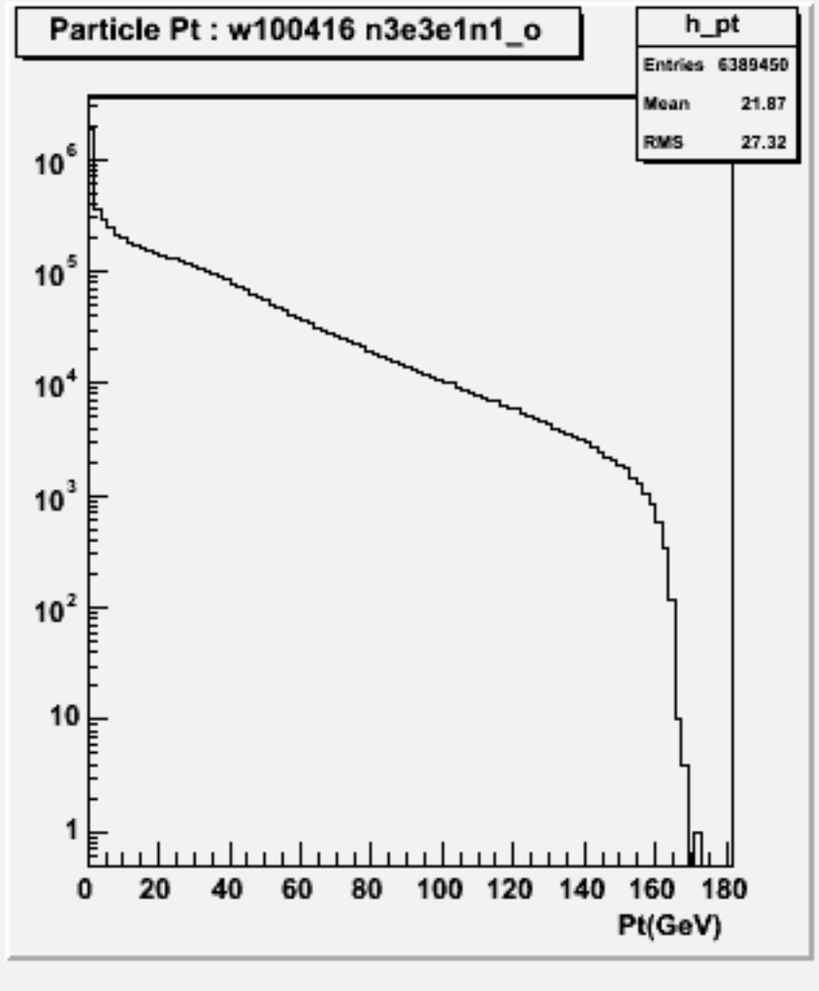

Jet energies(All jets)w100413 n2e2sc_o
ha_j0e
Entries 40176
Mean 65.32
RMS 44.16
E(Jet)

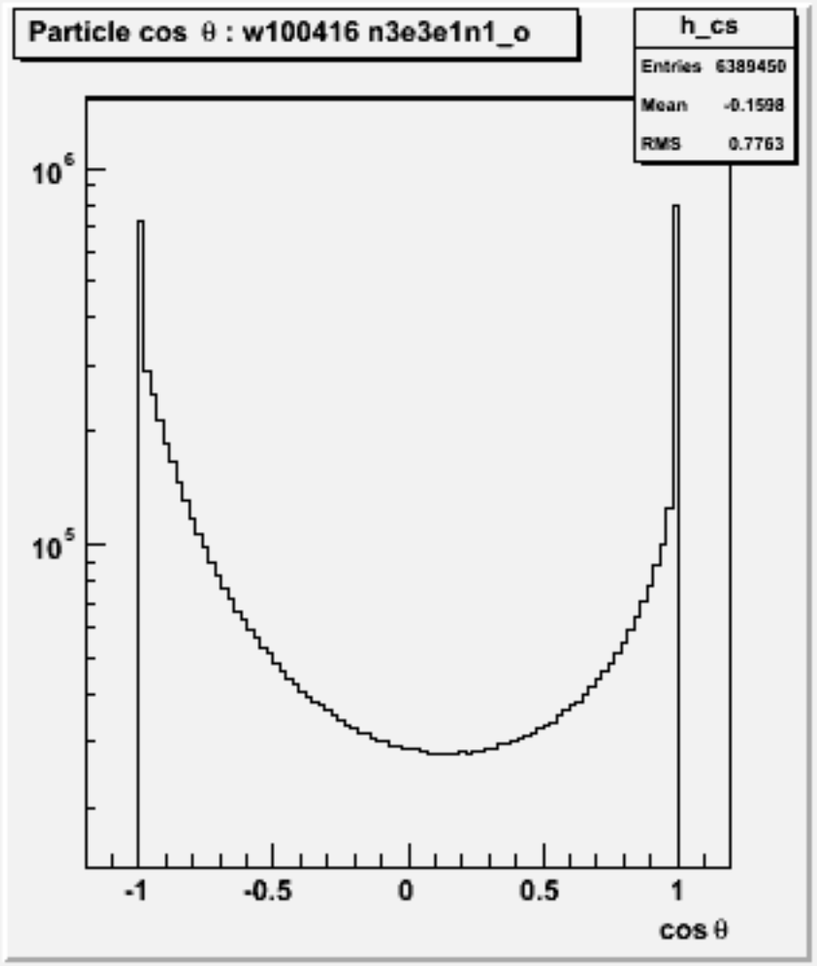

Jet cos θ (All jets)w100413 n2e2sc_o
ha_j0cs
Entries 40176
Mean 0.1314
RMS 0.6423
cos θ

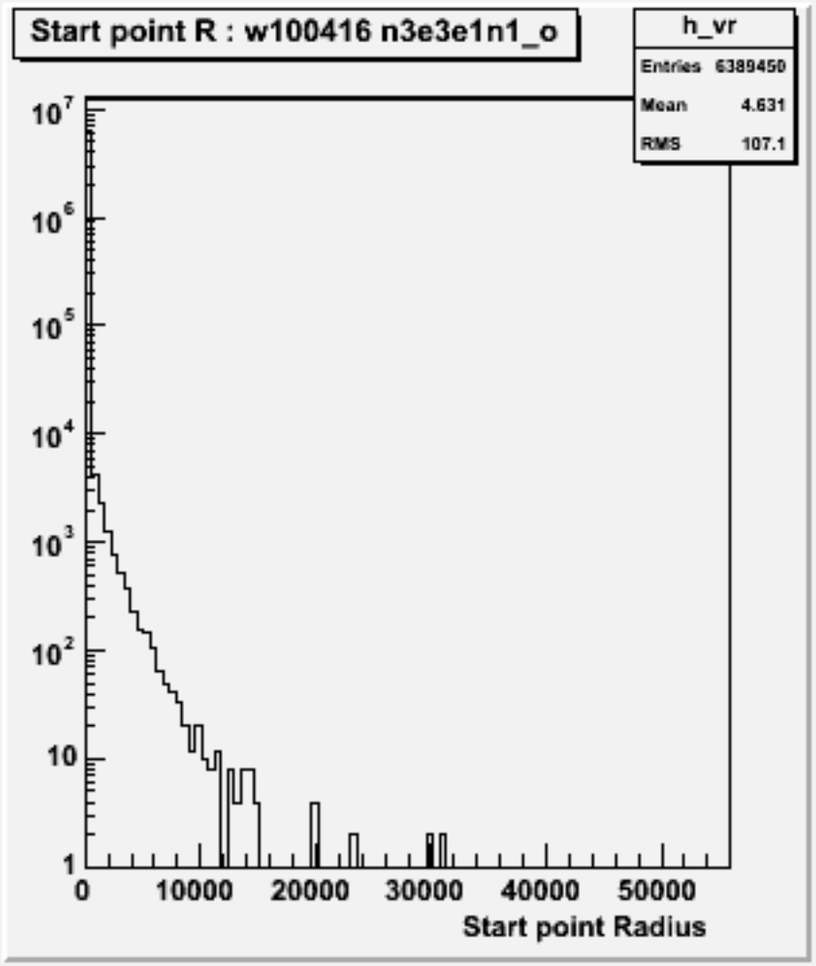

2jets mass(All comb)w100413 n2e2sc_o
ha_m01
Entries 60264
Mean 82.31
RMS 61.84
M(J_iJ_k) (GeV)

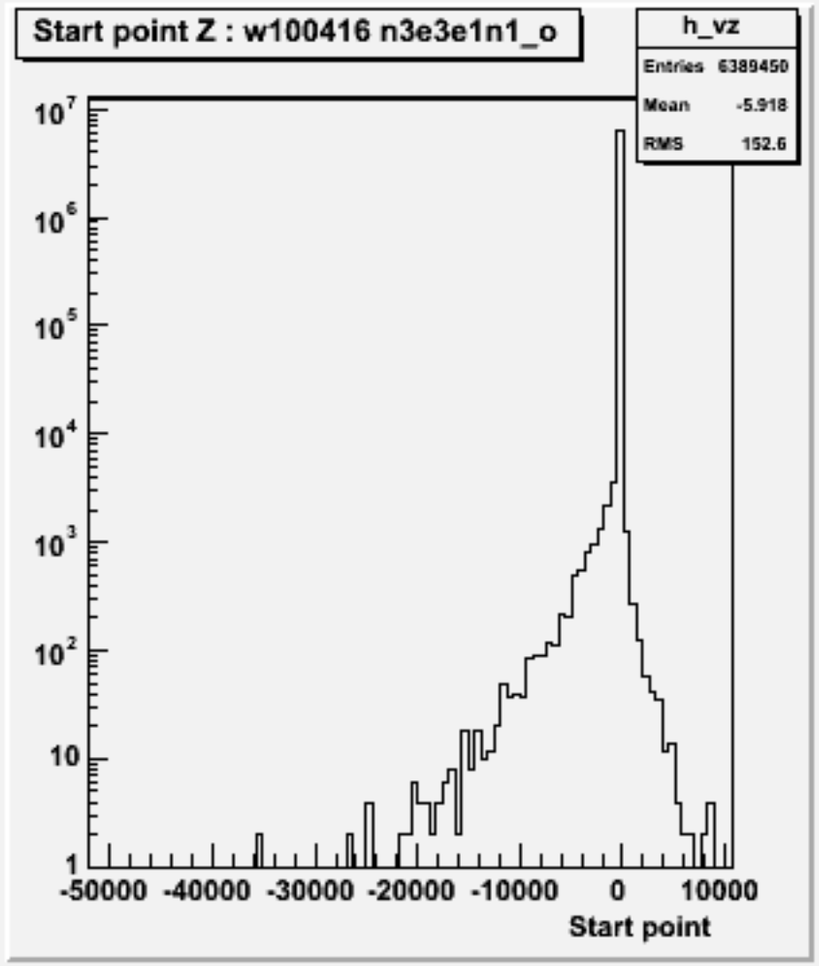

Particle ID : w100416 n3e3e1n1_o
h_id
Entries 6389450
Mean 23.66
RMS 68.76
Particle ID

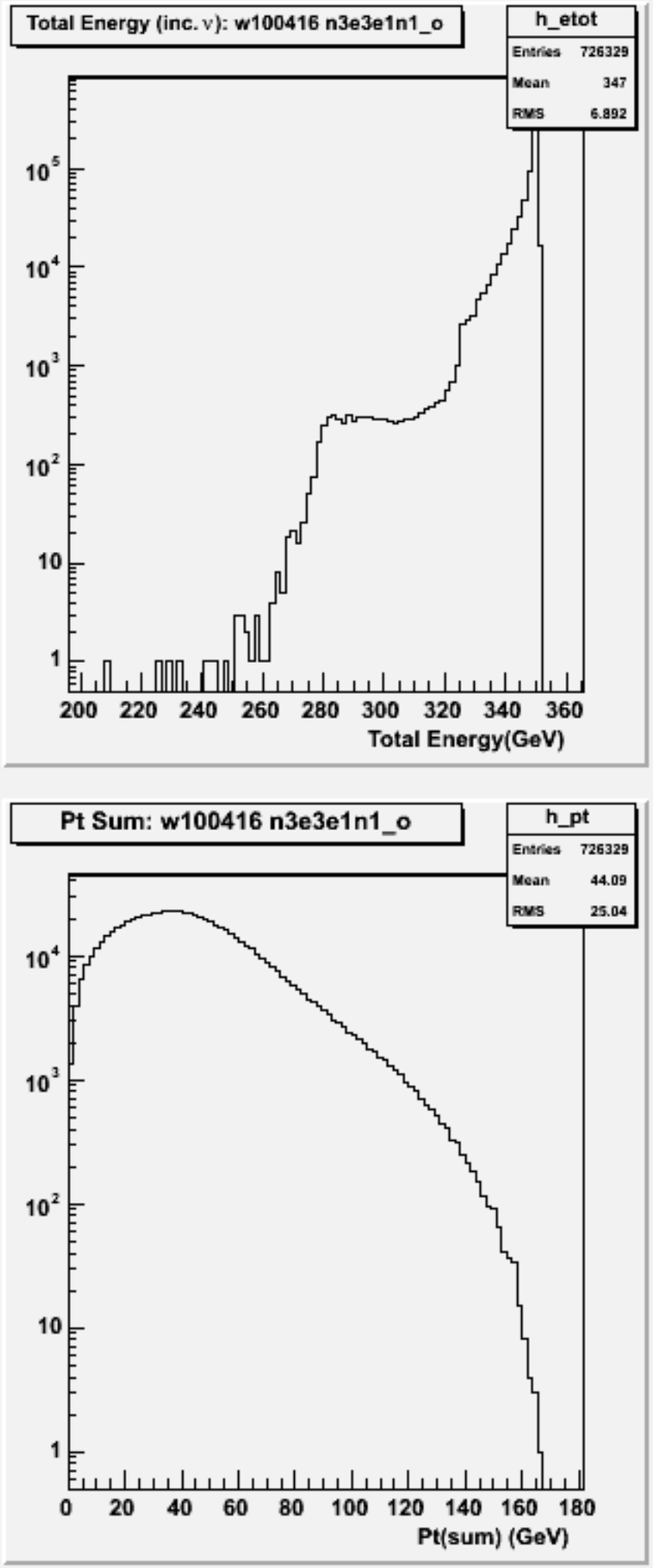

Particle Energy : w100416 n3e3e1n1_o
h_e
Entries 6389450
Mean 39.45
RMS 43.76
Energy(GeV)

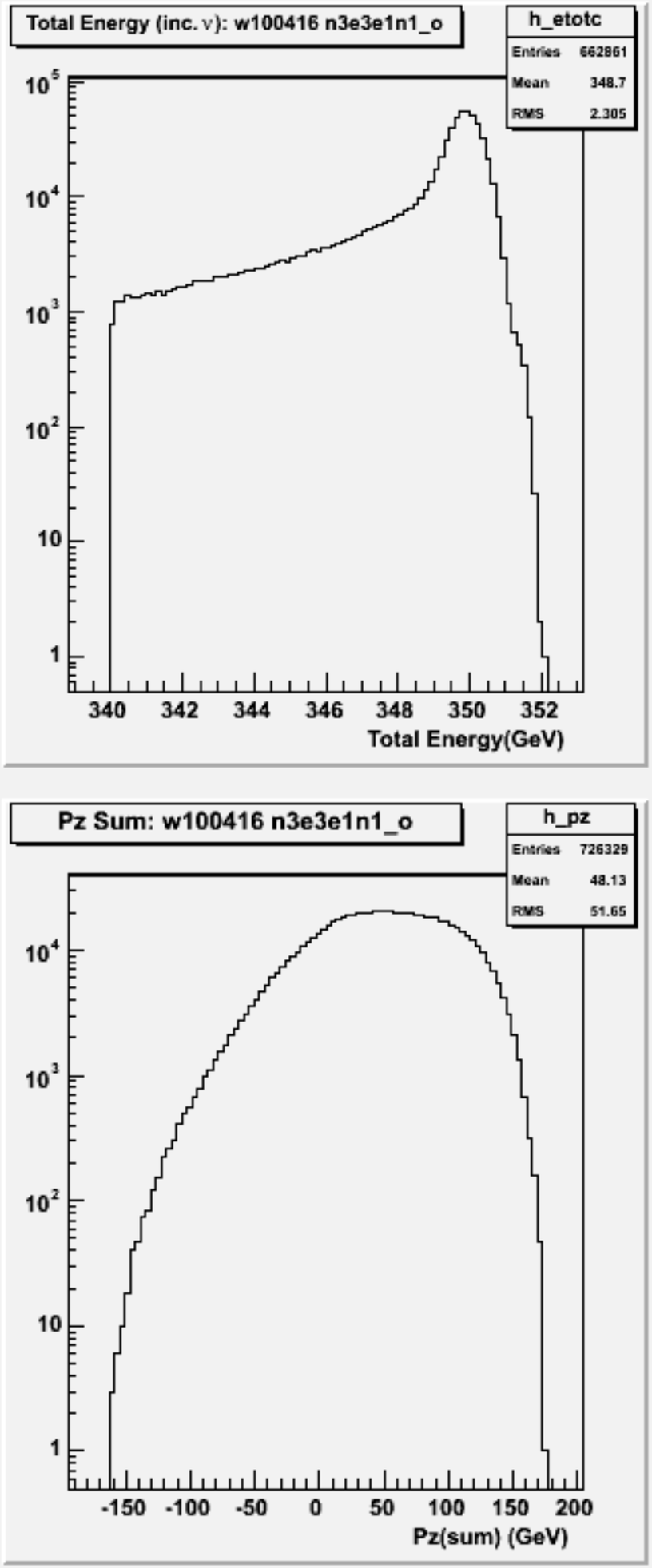

Particle Pt : w100416 n3e3e1n1_o
h_pt
Entries 6389450
Mean 21.87
RMS 27.32
Pt(GeV)

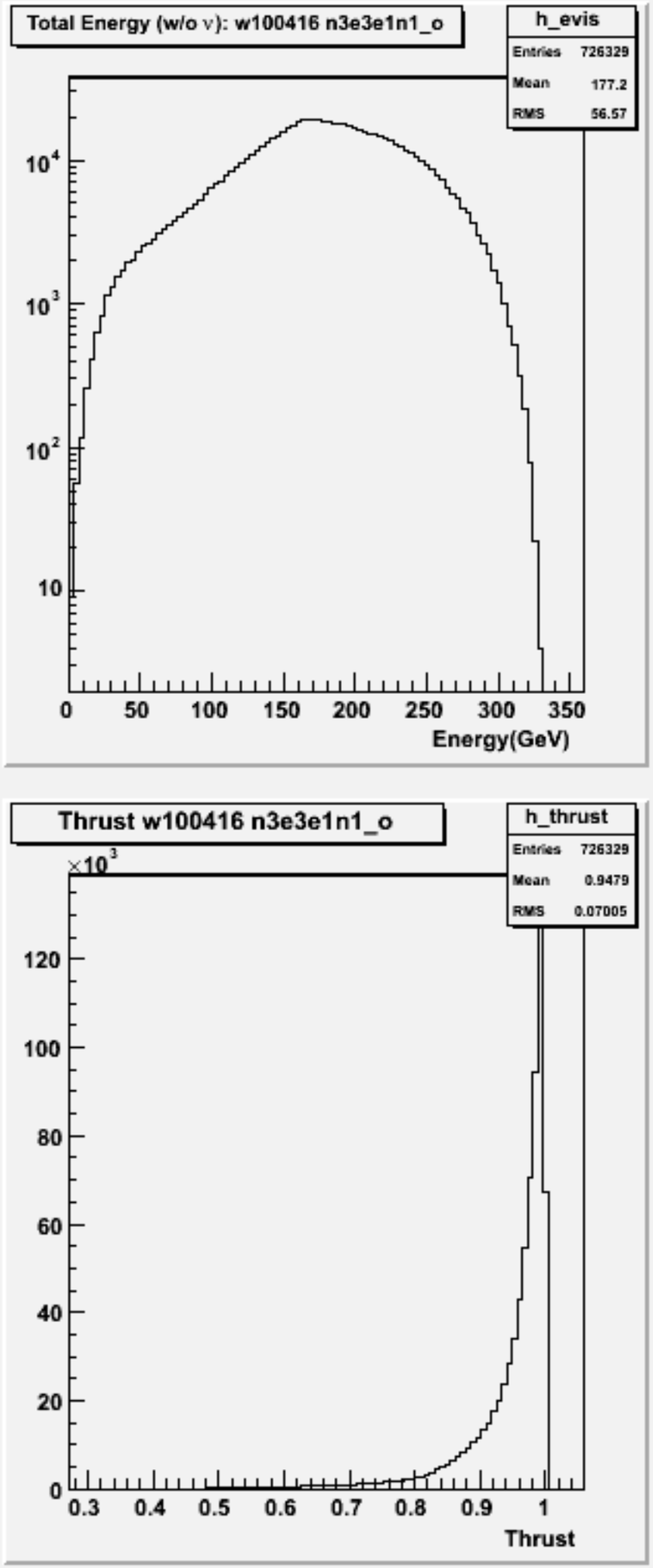

Particle cos θ : w100416 n3e3e1n1_o
h_cs
Entries 6389450
Mean -0.1598
RMS 0.7763
cos θ


Start point R : w100416 n3e3e1n1_o
h_vr
Entries 6389450
Mean 4.631
RMS 107.1
Start point Radius


Start point Z : w100416 n3e3e1n1_o
h_vz
Entries 6389450
Mean -5.918
RMS 152.6
Start point


Total Energy (inc. ν): w100416 n3e3e1n1_o
h_etot
Entries 726329
Mean 347
RMS 6.892
Total Energy(GeV)

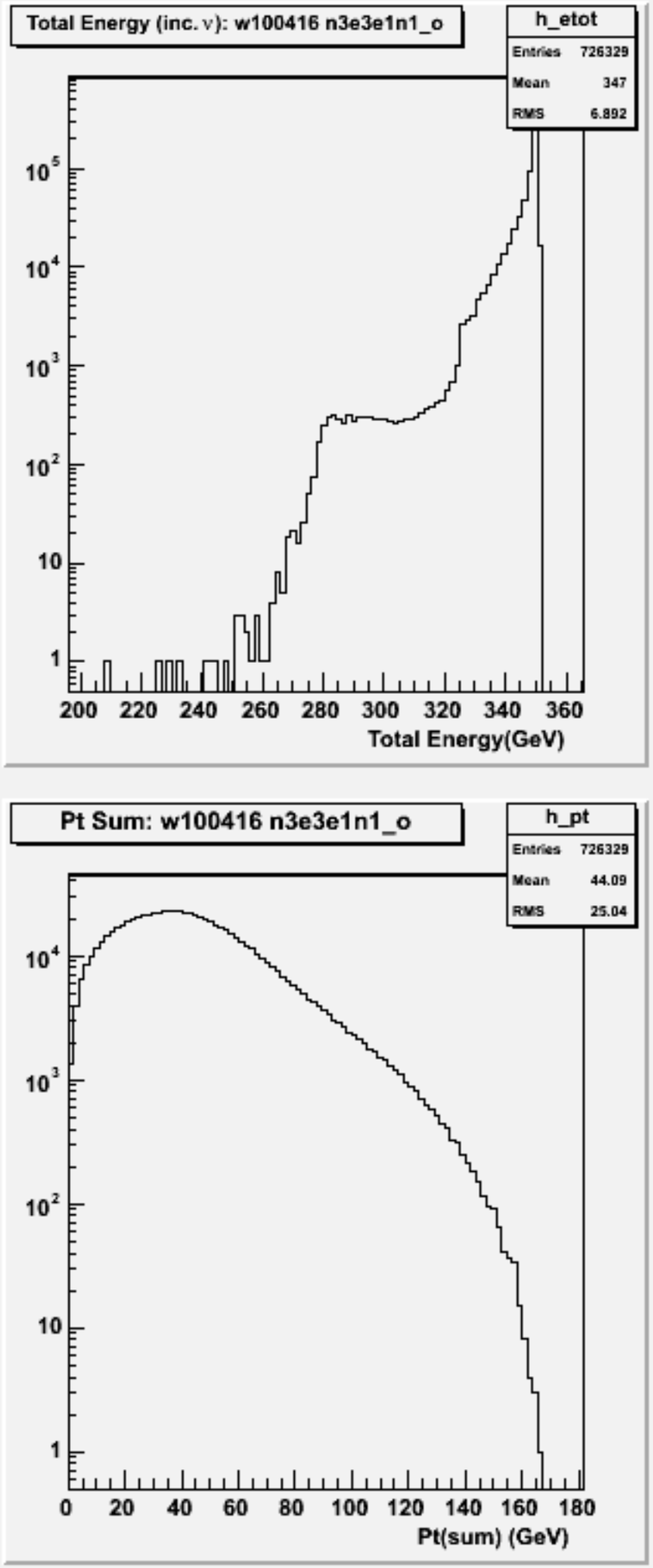

Total Energy (inc. ν): w100416 n3e3e1n1_o
h_etotc
Entries 662861
Mean 348.7
RMS 2.305
Total Energy(GeV)

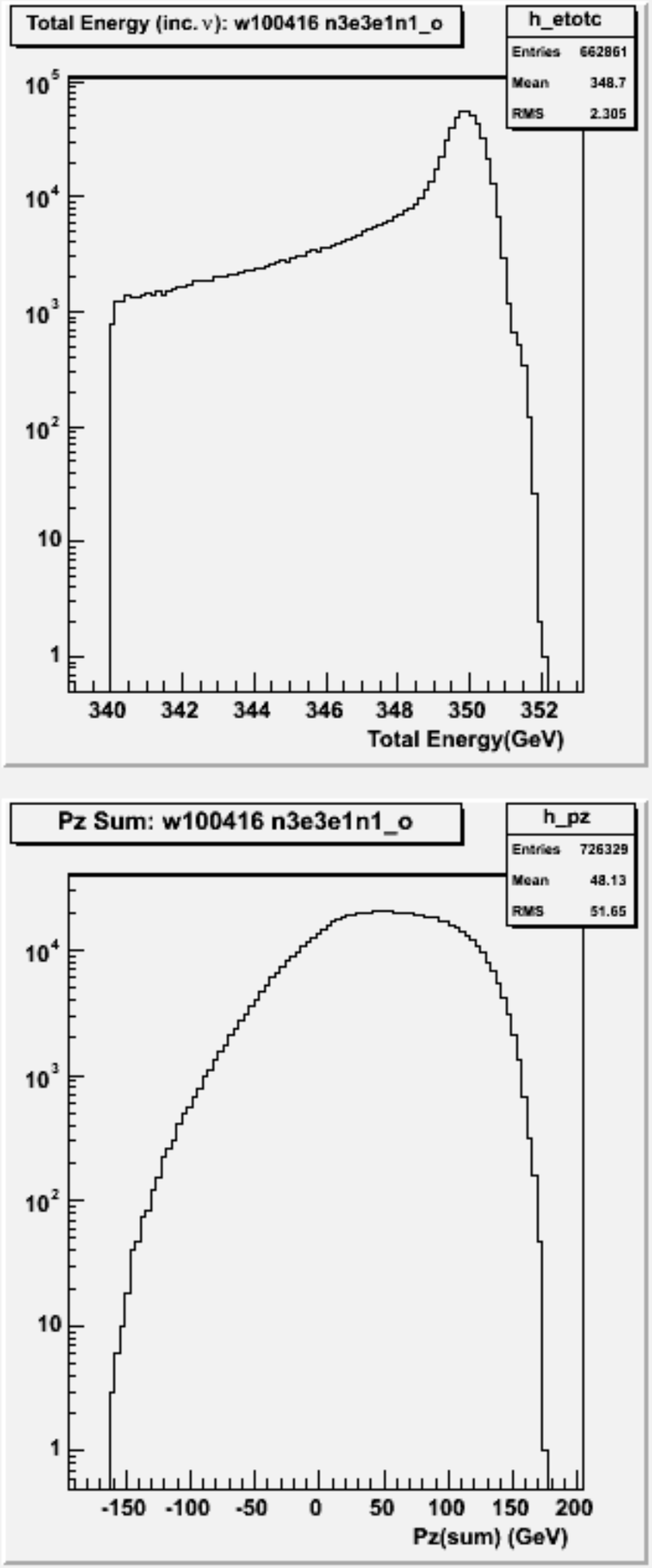

Total Energy (w/o ν): w100416 n3e3e1n1_o
h_evis
Entries 726329
Mean 177.2
RMS 56.57
Energy(GeV)

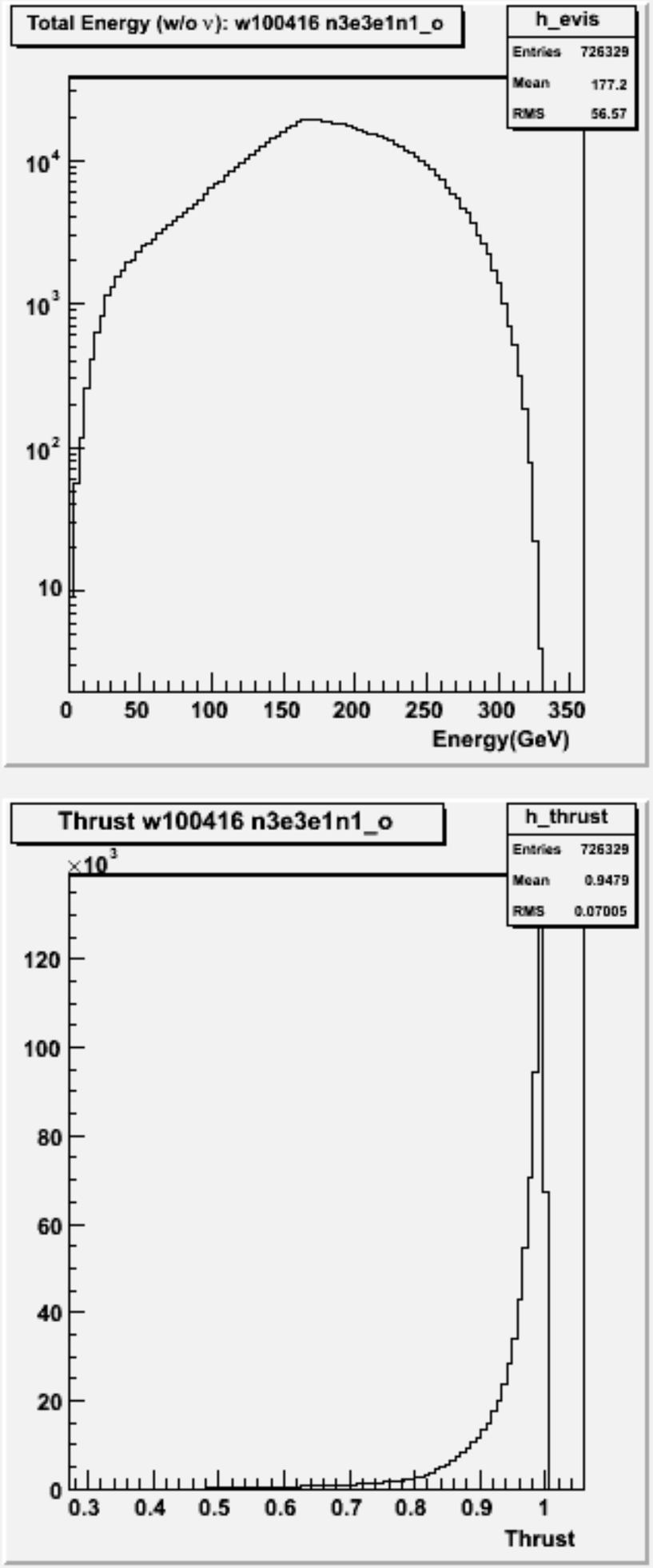
Pt Sum: w100416 n3e3e1n1_o
h_pt
Entries 726329
Mean 44.09
RMS 25.04
Pt(sum) (GeV)

Pz Sum: w100416 n3e3e1n1_o
h_pz
Entries 726329
Mean 48.13
RMS 51.65
Pz(sum) (GeV)

Thrust w100416 n3e3e1n1_o
h_thrust
Entries 726329
Mean 0.9479
RMS 0.07005
Thrust


Total Energy (inc. ν): w100416 n3e3e1n1_o
h_etot
Entries 726329
Mean 347
RMS 6.892
Total Energy(GeV)

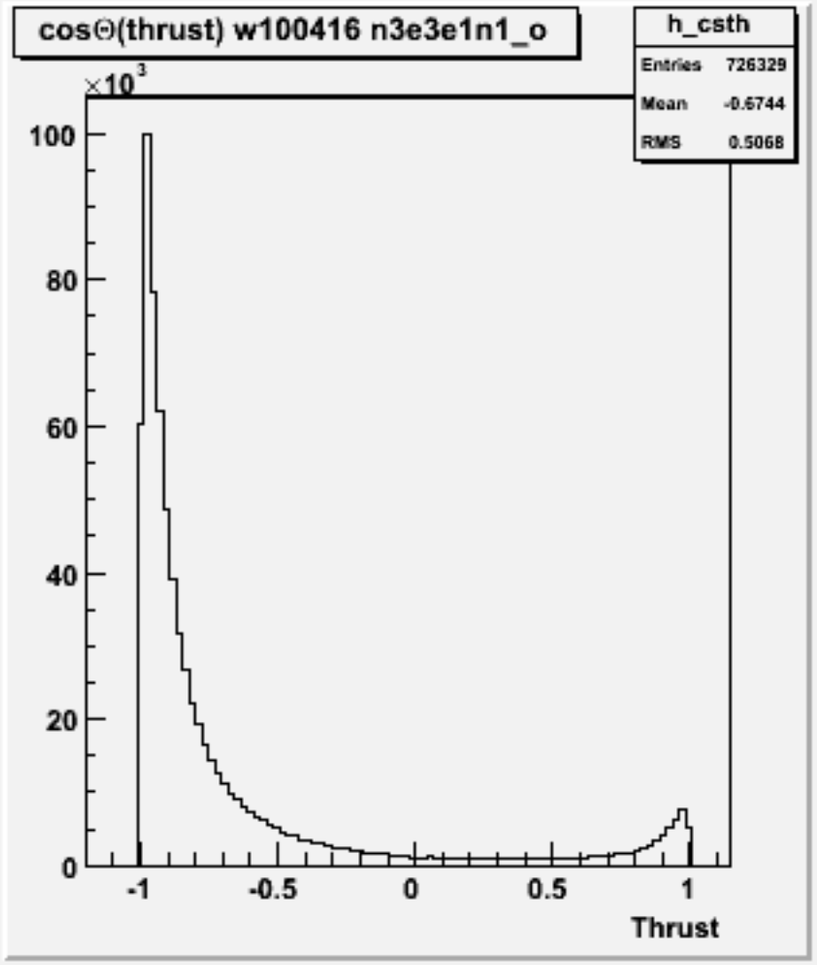

Total Energy (inc. ν): w100416 n3e3e1n1_o
h_etotc
Entries 662861
Mean 348.7
RMS 2.305
Total Energy(GeV)

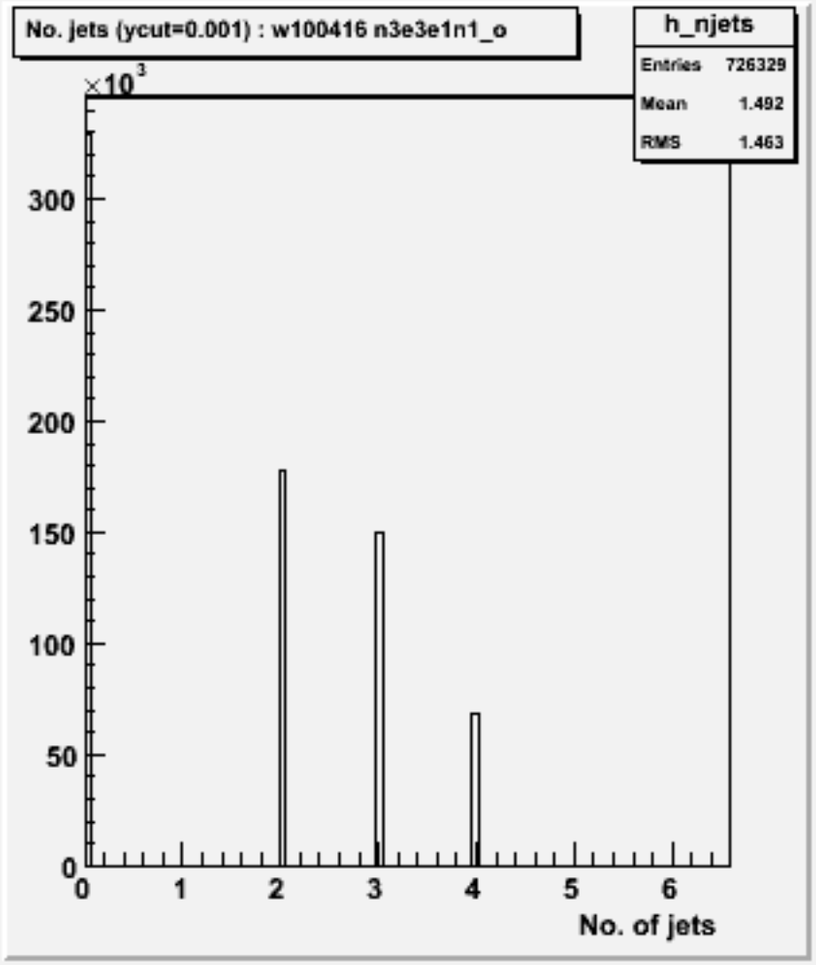

Total Energy (w/o ν): w100416 n3e3e1n1_o
h_evis
Entries 726329
Mean 177.2
RMS 56.57
Energy(GeV)

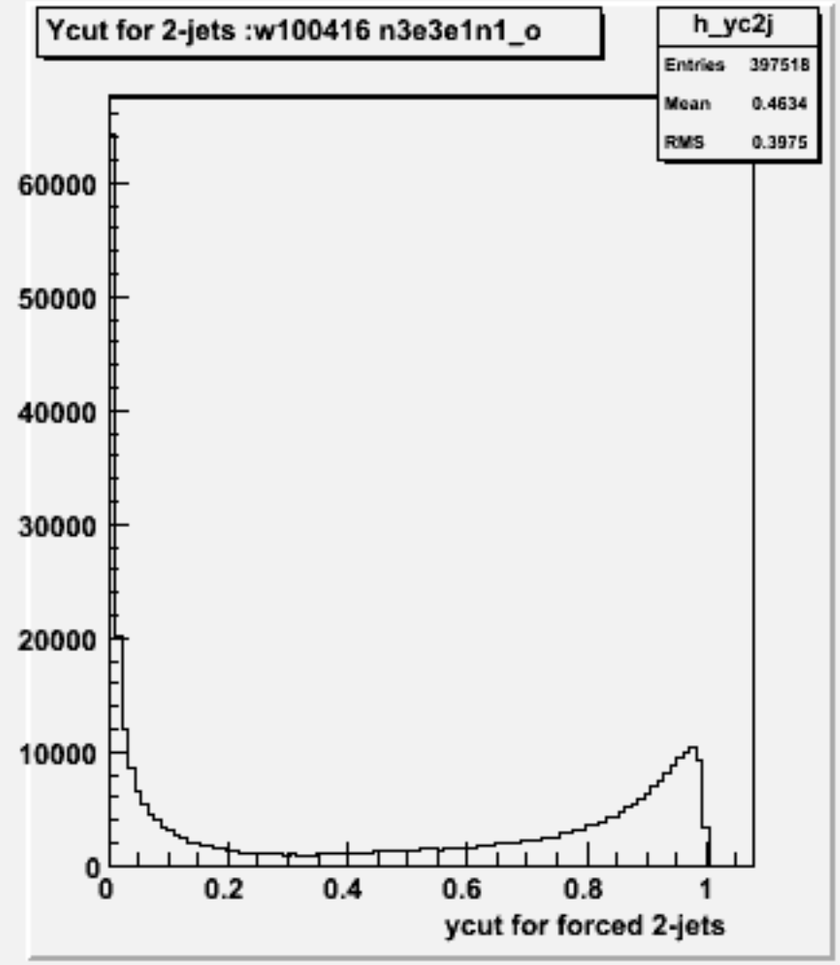
Pt Sum: w100416 n3e3e1n1_o
h_pt
Entries 726329
Mean 44.09
RMS 25.04
Pt(sum) (GeV)

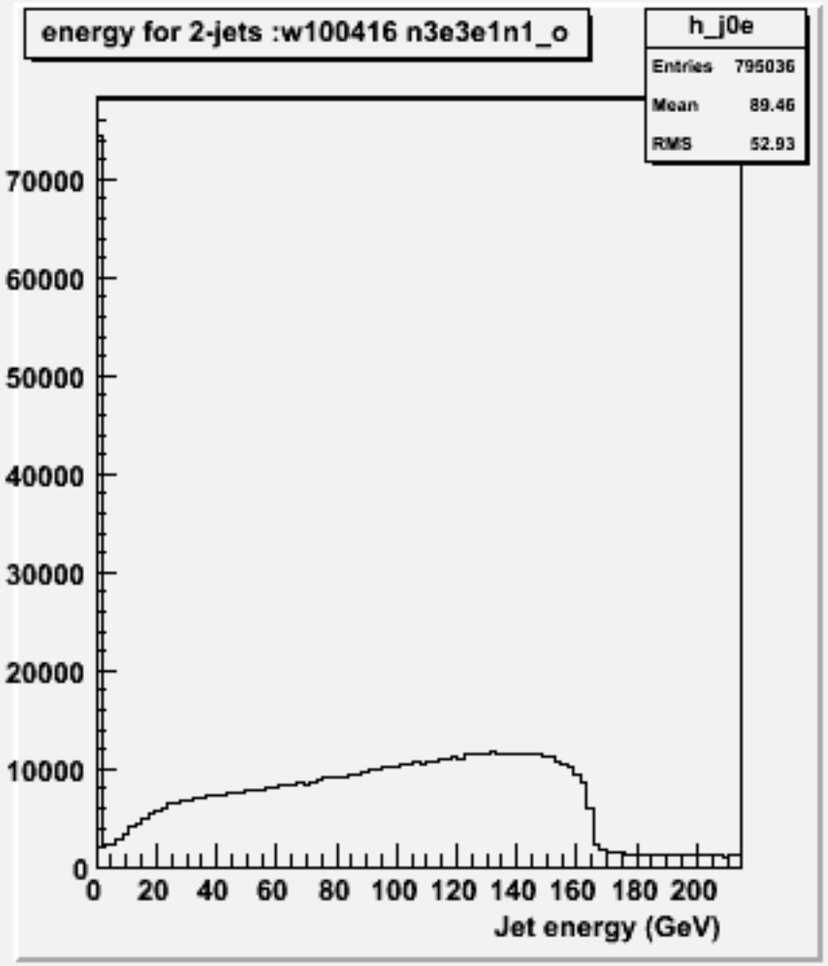
Pz Sum: w100416 n3e3e1n1_o
h_pz
Entries 726329
Mean 48.13
RMS 51.65
Pz(sum) (GeV)

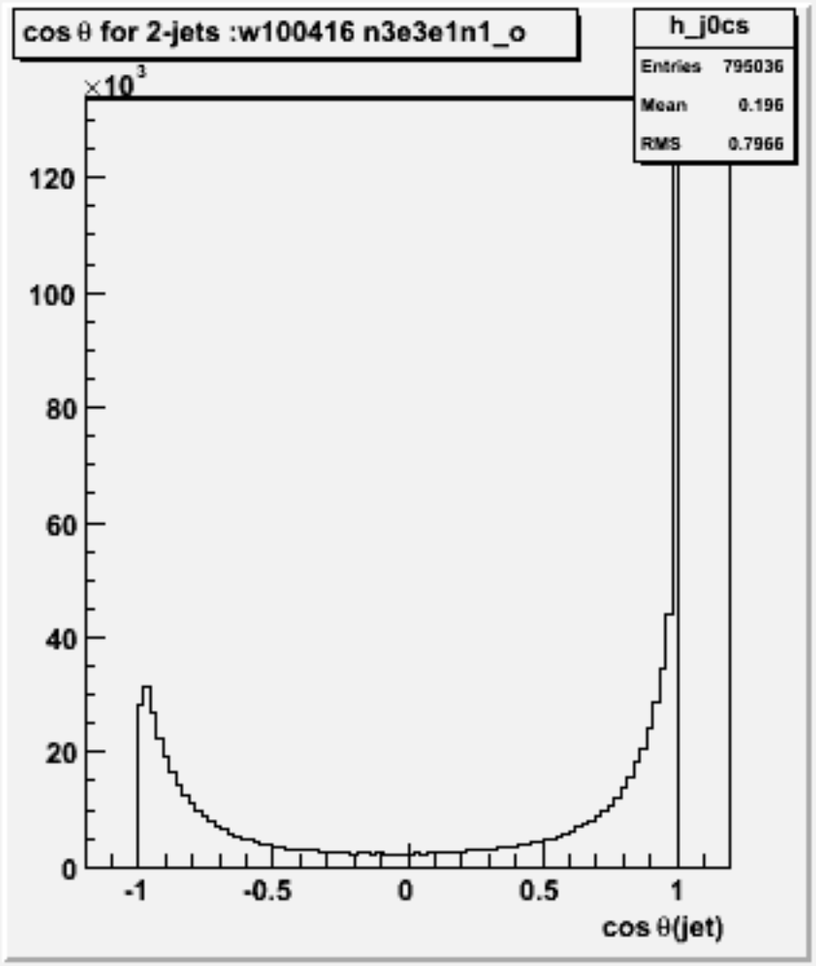
Thrust w100416 n3e3e1n1_o
h_thrust
Entries 726329
Mean 0.9479
RMS 0.07005
Thrust

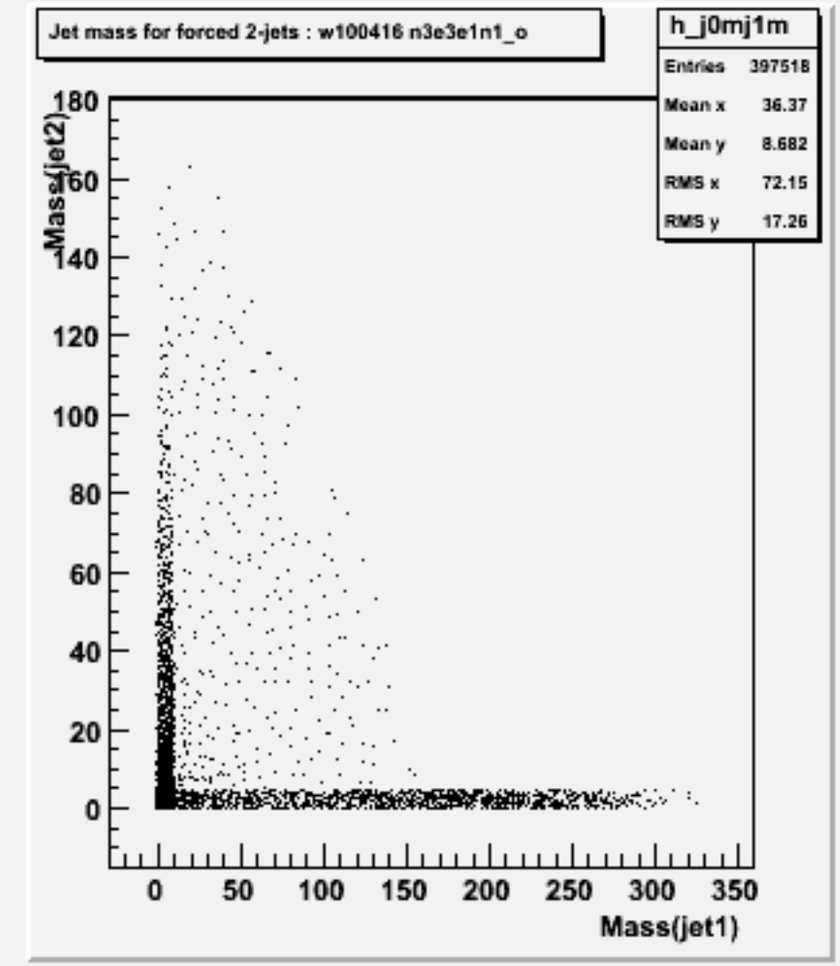

cosΘ(thrust) w100416 n3e3e1n1_o
h_csth
Entries 726329
Mean -0.6744
RMS 0.5068
×10^3
Thrust

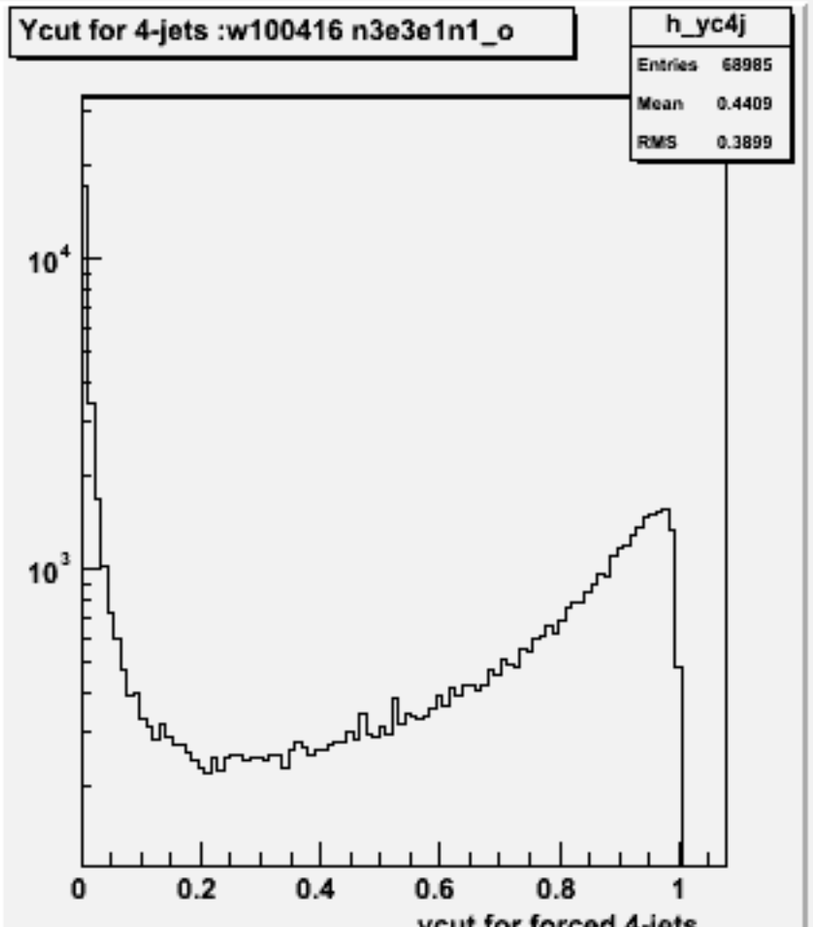

No. jets (ycut=0.001) : w100416 n3e3e1n1_o
h_njets
Entries 726329
Mean 1.492
RMS 1.463
×10^3
No. of jets

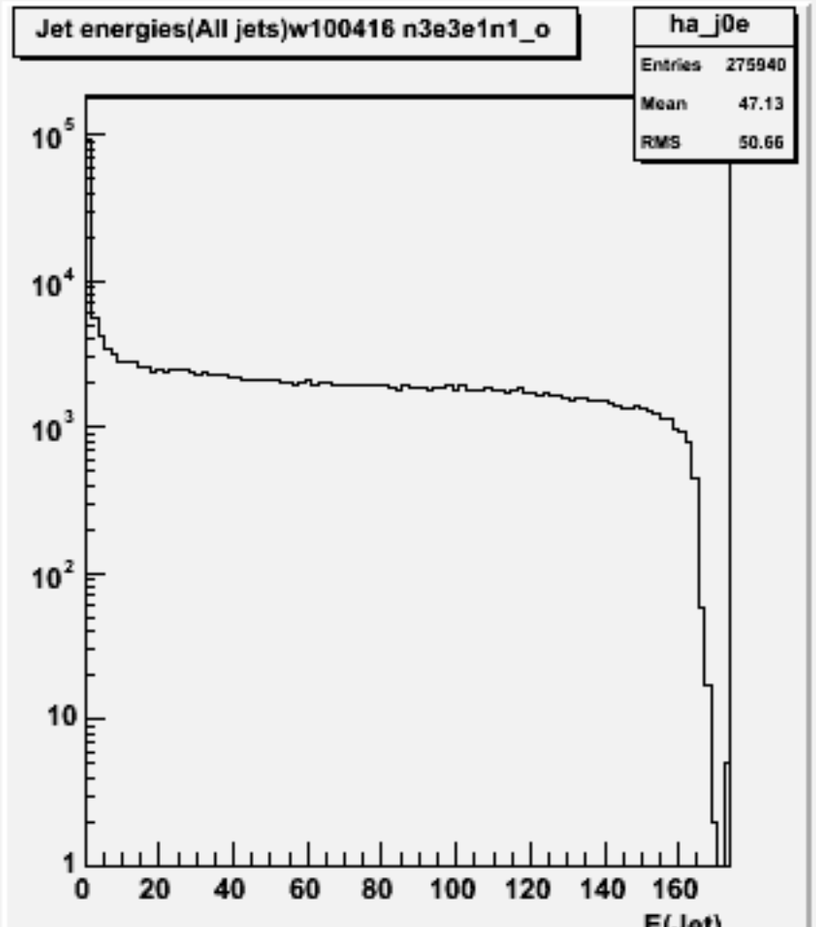

Ycut for 2-jets :w100416 n3e3e1n1_o
h_yc2j
Entries 397518
Mean 0.4634
RMS 0.3975
ycut for forced 2-jets

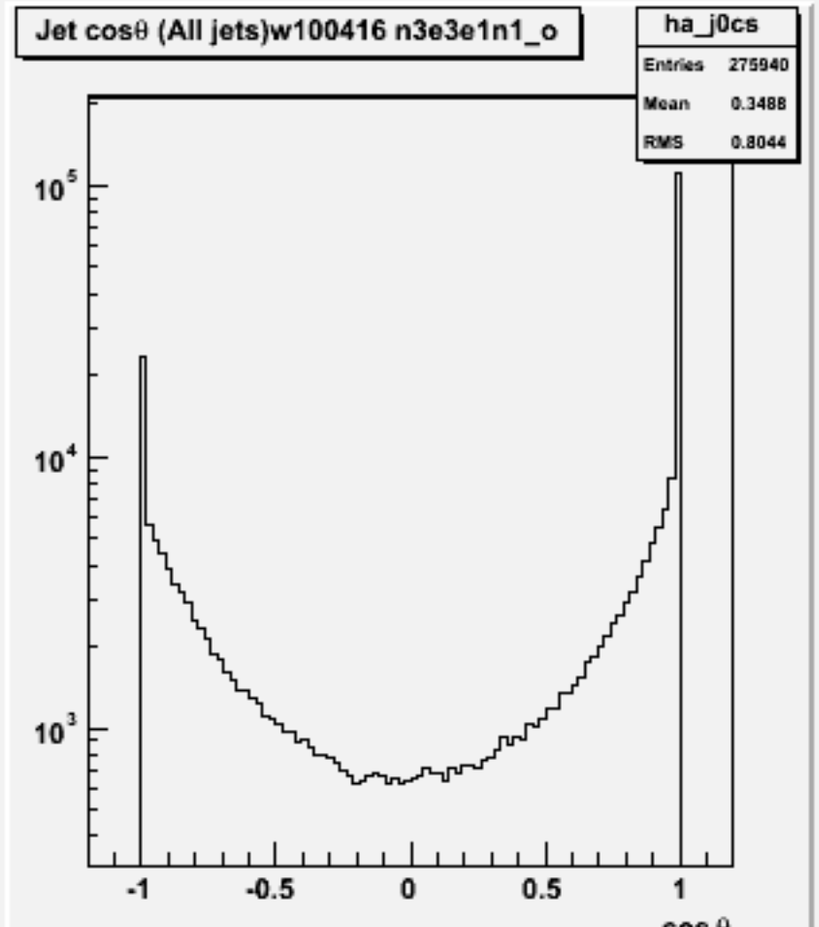

energy for 2-jets :w100416 n3e3e1n1_o
h_j0e
Entries 795036
Mean 89.46
RMS 52.93
Jet energy (GeV)

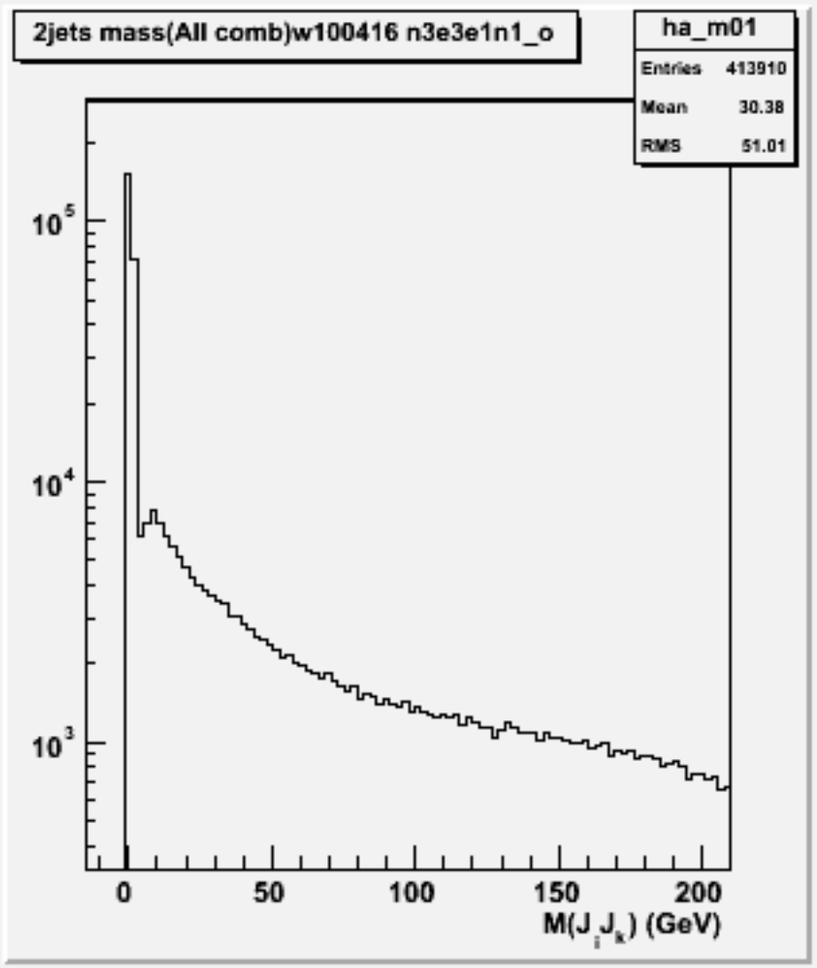

cos θ for 2-jets :w100416 n3e3e1n1_o
h_j0cs
Entries 795036
Mean 0.196
RMS 0.7966
×10^3
cos θ(jet)

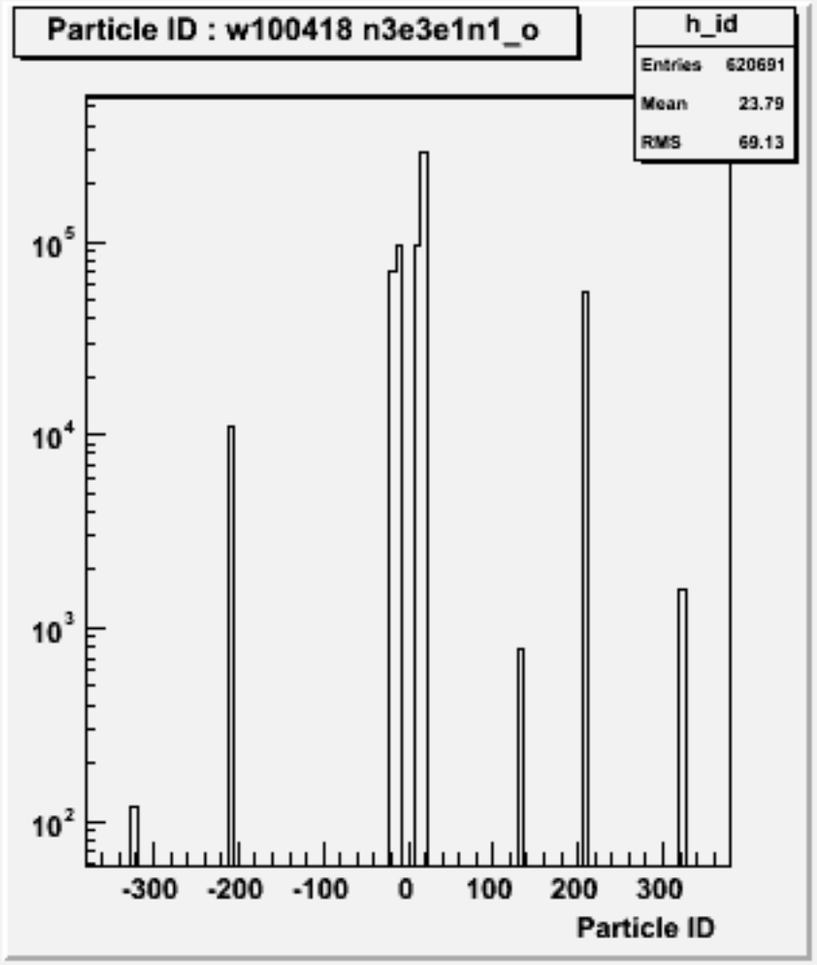

Jet mass for forced 2-jets : w100416 n3e3e1n1_o
h_j0mj1m
Entries 397518
Mean x 36.37
Mean y 8.682
RMS x 72.15
RMS y 17.26
Mass(jet2)
Mass(jet1)

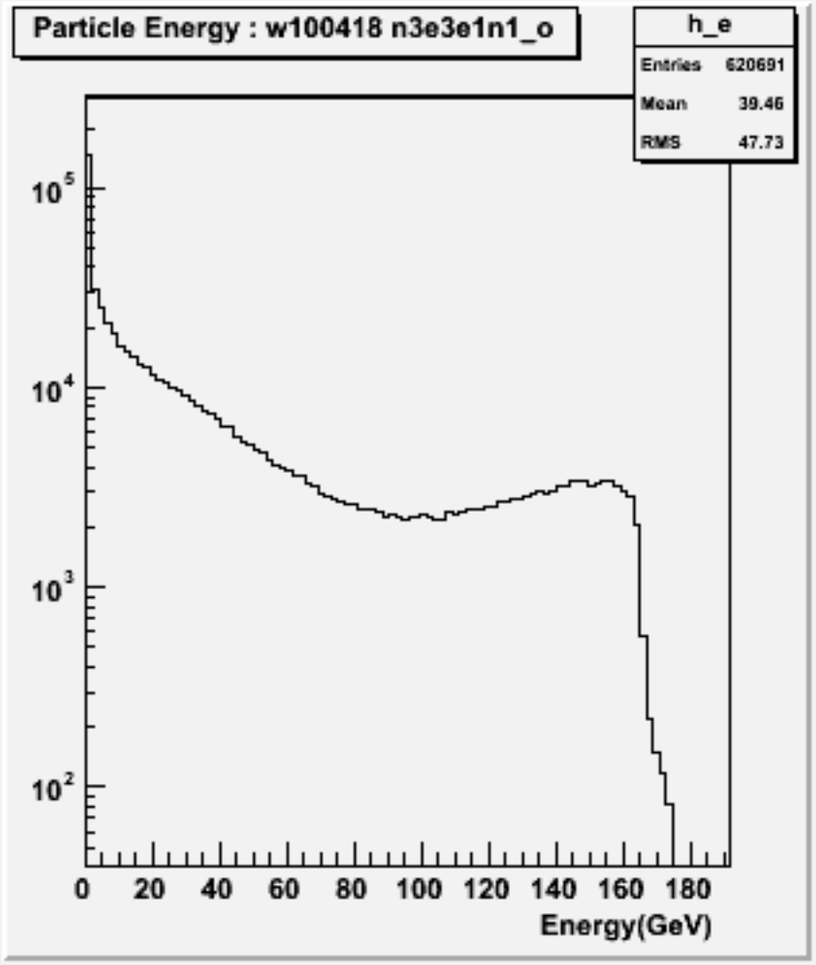

Ycut for 4-jets :w100416 n3e3e1n1_o
h_yc4j
Entries 68985
Mean 0.4409
RMS 0.3899
ycut for forced 4-jets

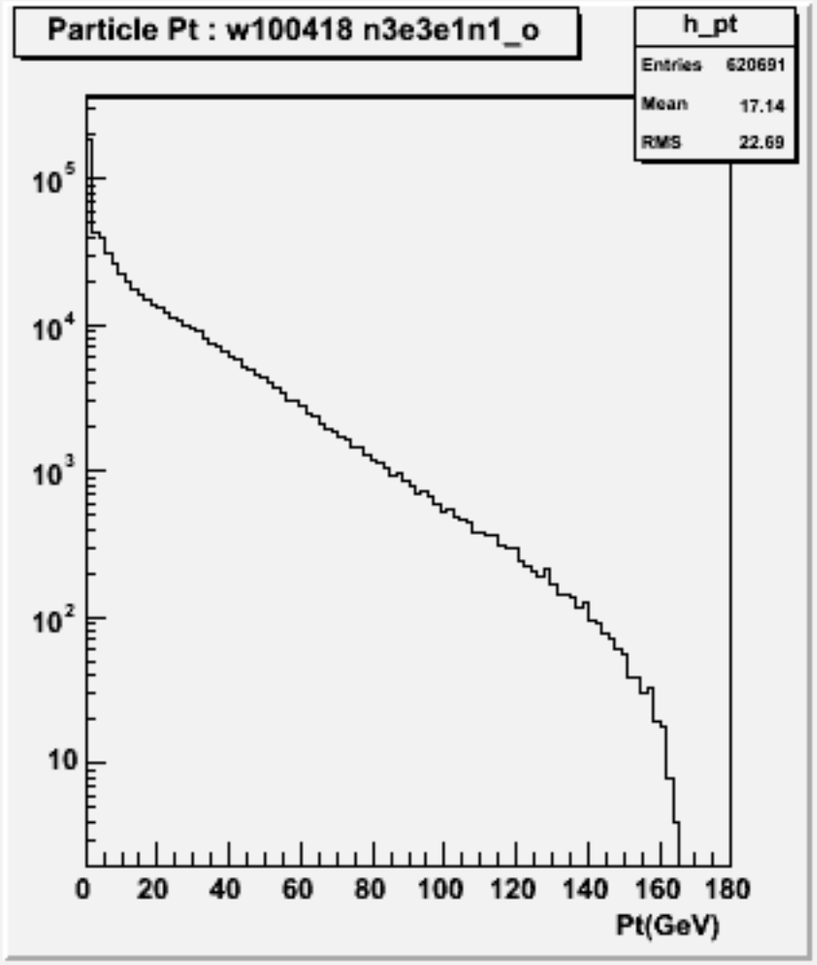

Jet energies(All jets)w100416 n3e3e1n1_o
ha_j0e
Entries 275940
Mean 47.13
RMS 50.66
E(Jet)

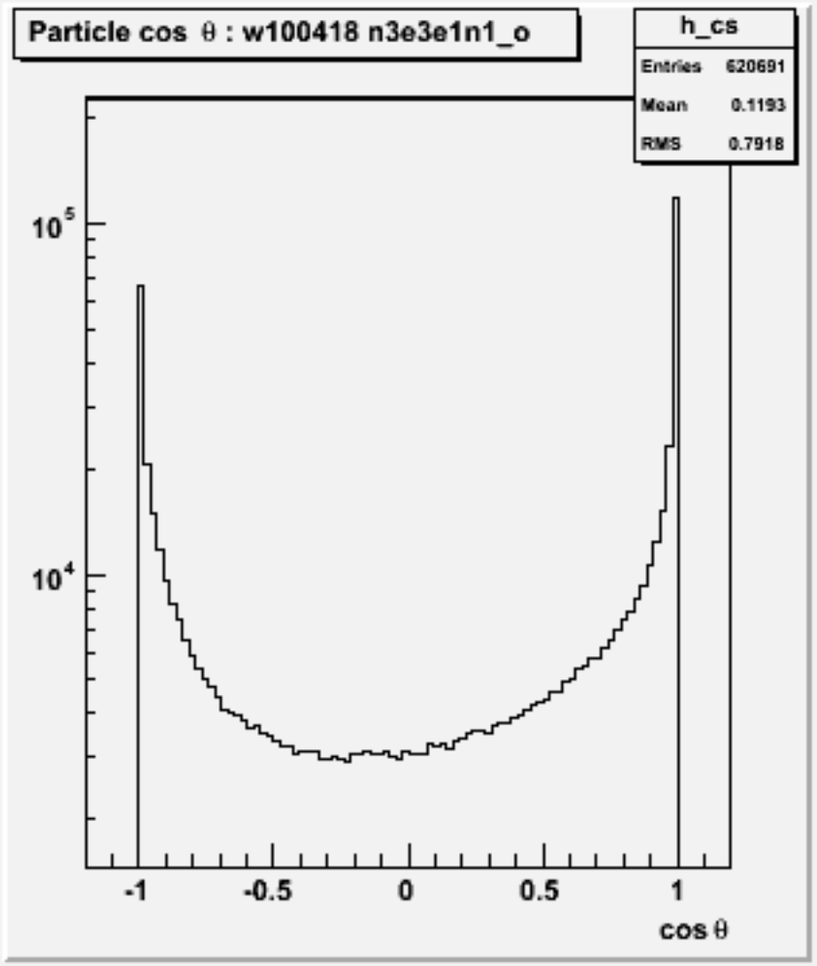

Jet cosθ (All jets)w100416 n3e3e1n1_o
ha_j0cs
Entries 275940
Mean 0.3488
RMS 0.8044
cos θ

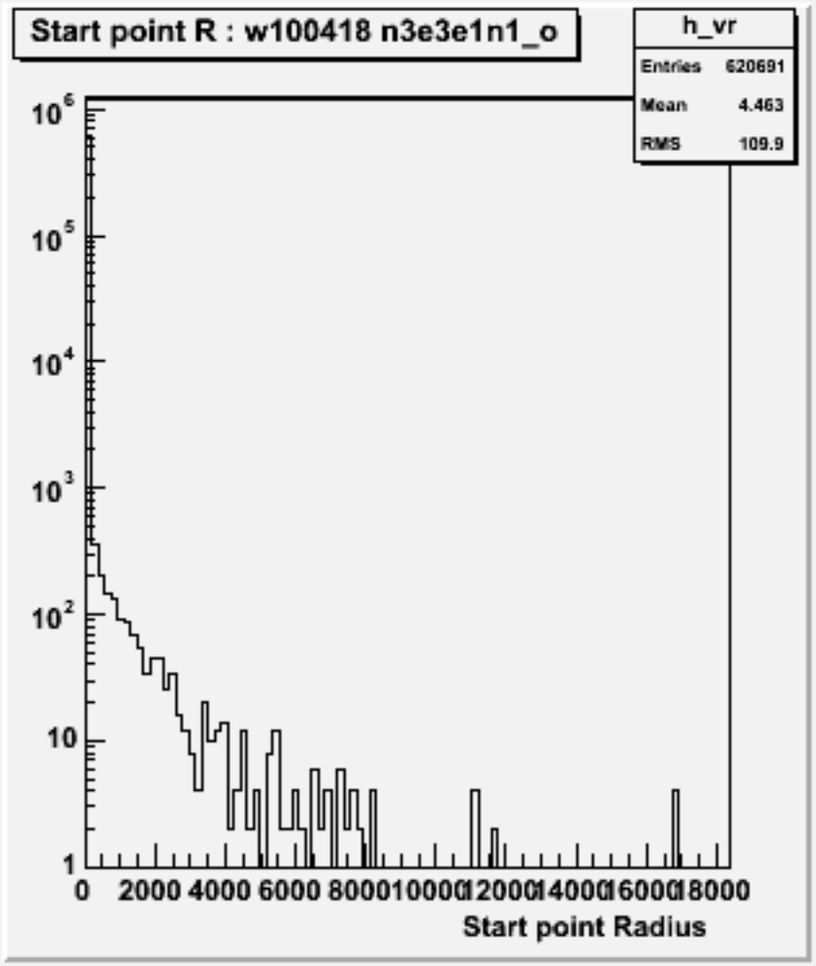

2jets mass(All comb)w100416 n3e3e1n1_o
ha_m01
Entries 413910
Mean 30.38
RMS 51.01
M(J_iJ_k) (GeV)

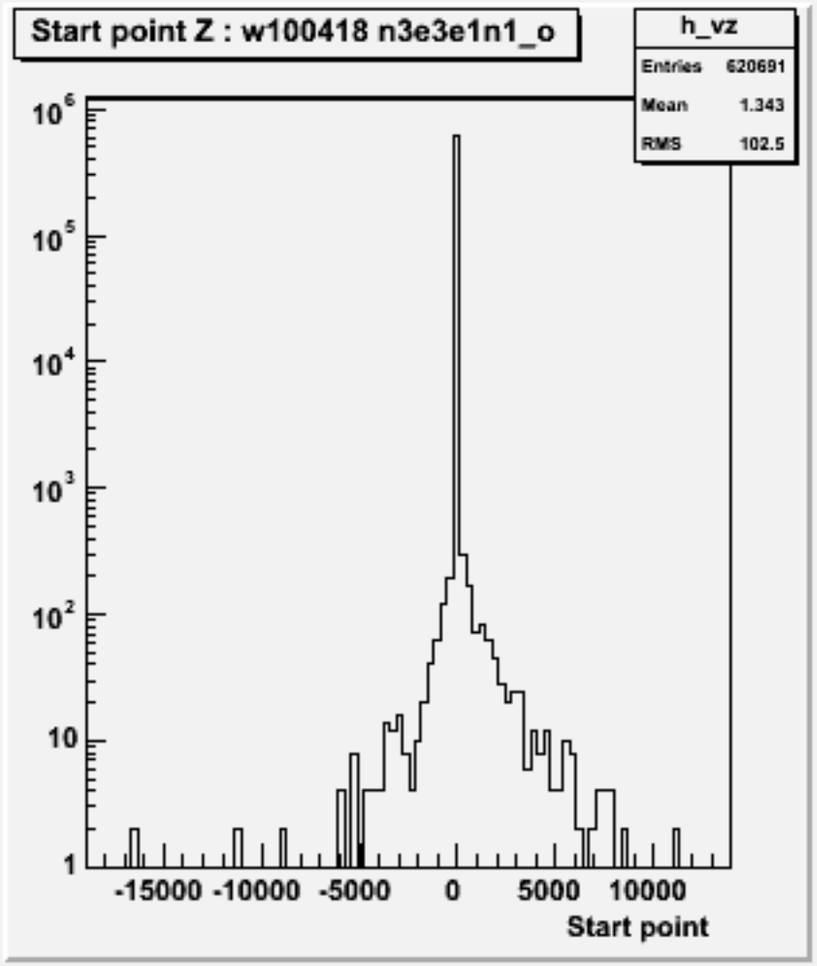

Particle ID : w100418 n3e3e1n1_o
h_id
Entries 620691
Mean 23.79
RMS 69.13
Particle ID

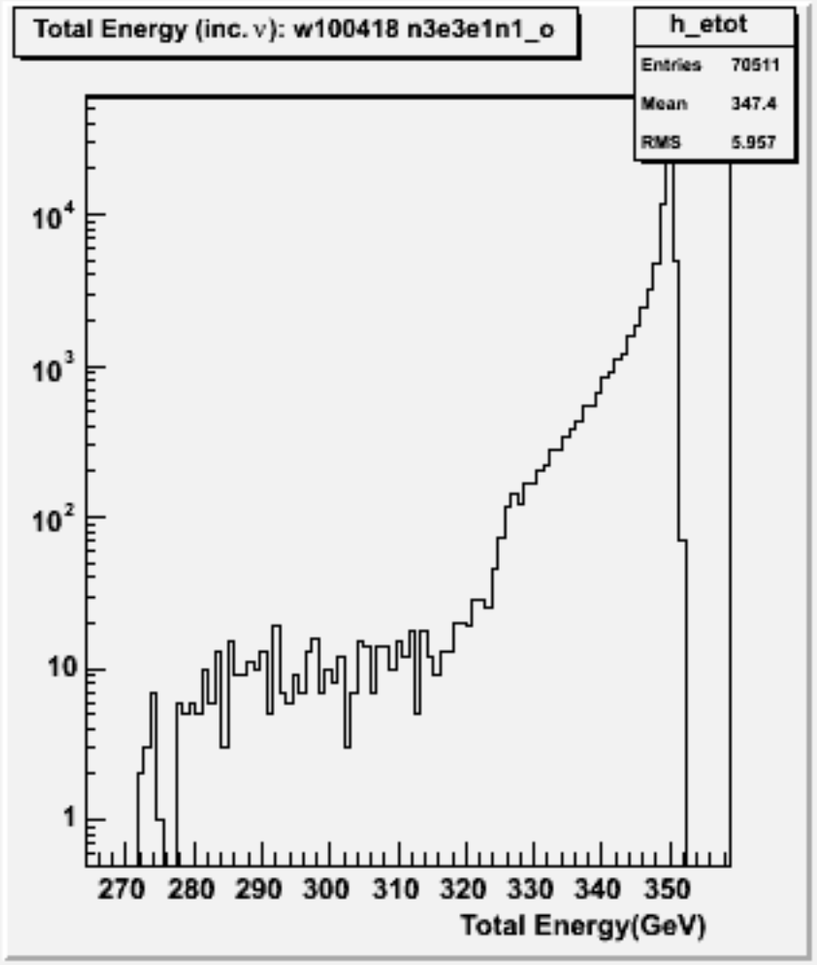

Particle Energy : w100418 n3e3e1n1_o
h_e
Entries 620691
Mean 39.46
RMS 47.73
Energy(GeV)

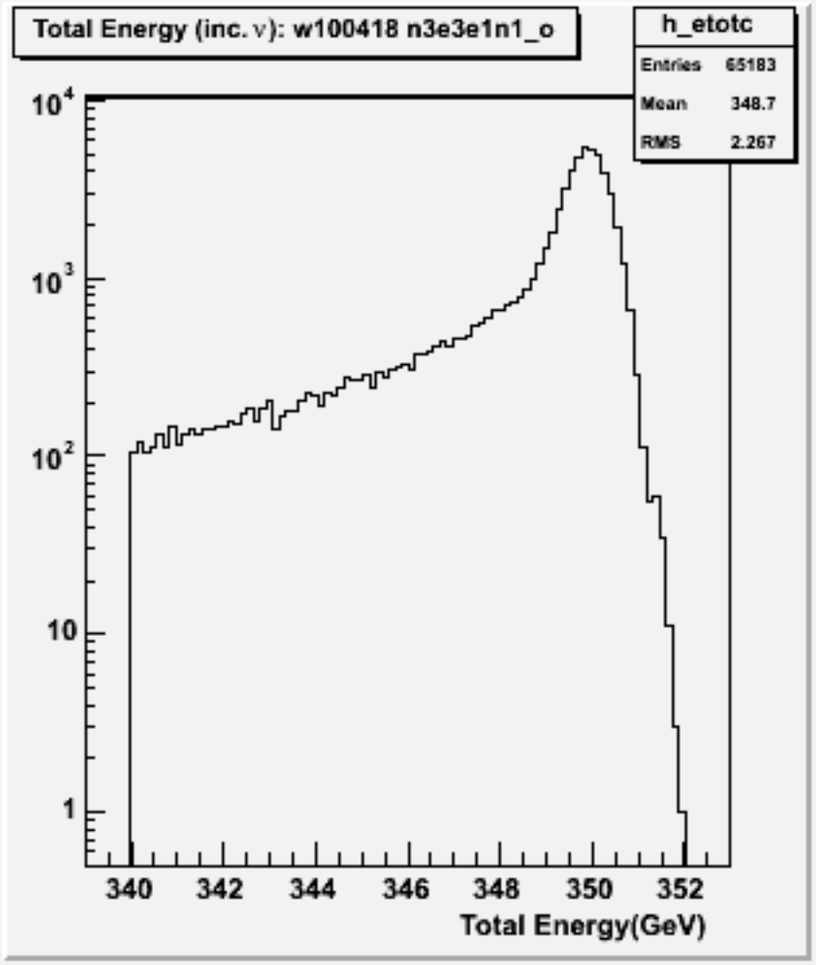

Particle Pt : w100418 n3e3e1n1_o
h_pt
Entries 620691
Mean 17.14
RMS 22.69
Pt(GeV)

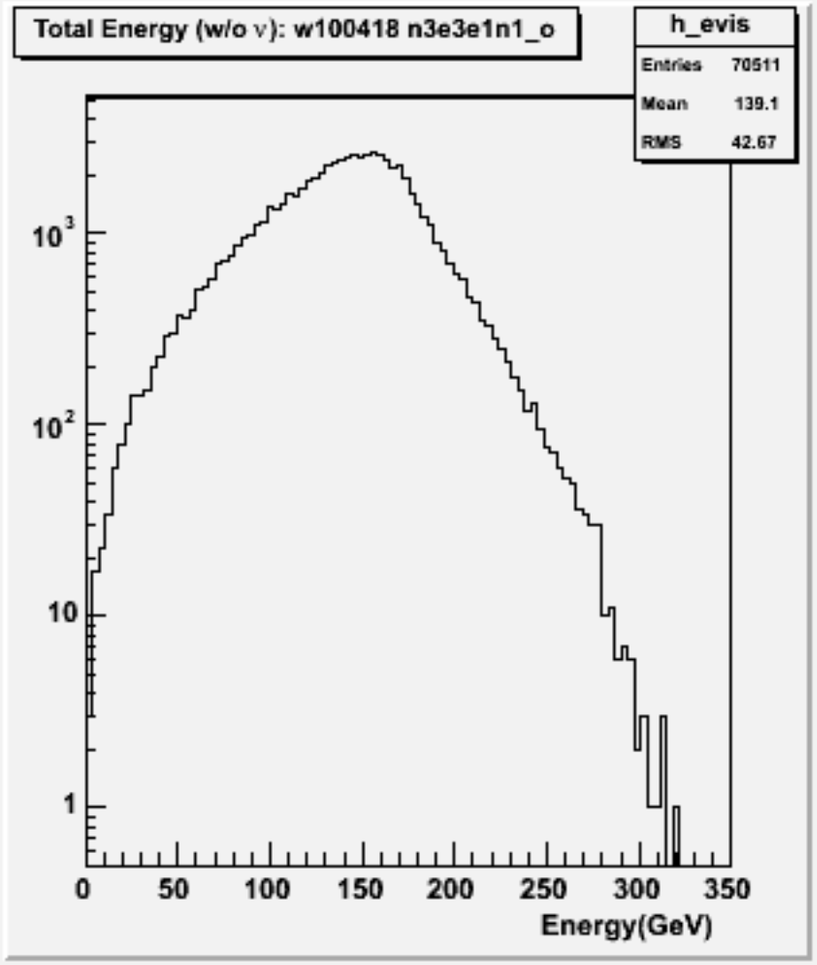

Particle cos θ : w100418 n3e3e1n1_o
h_cs
Entries 620691
Mean 0.1193
RMS 0.7918
cos θ

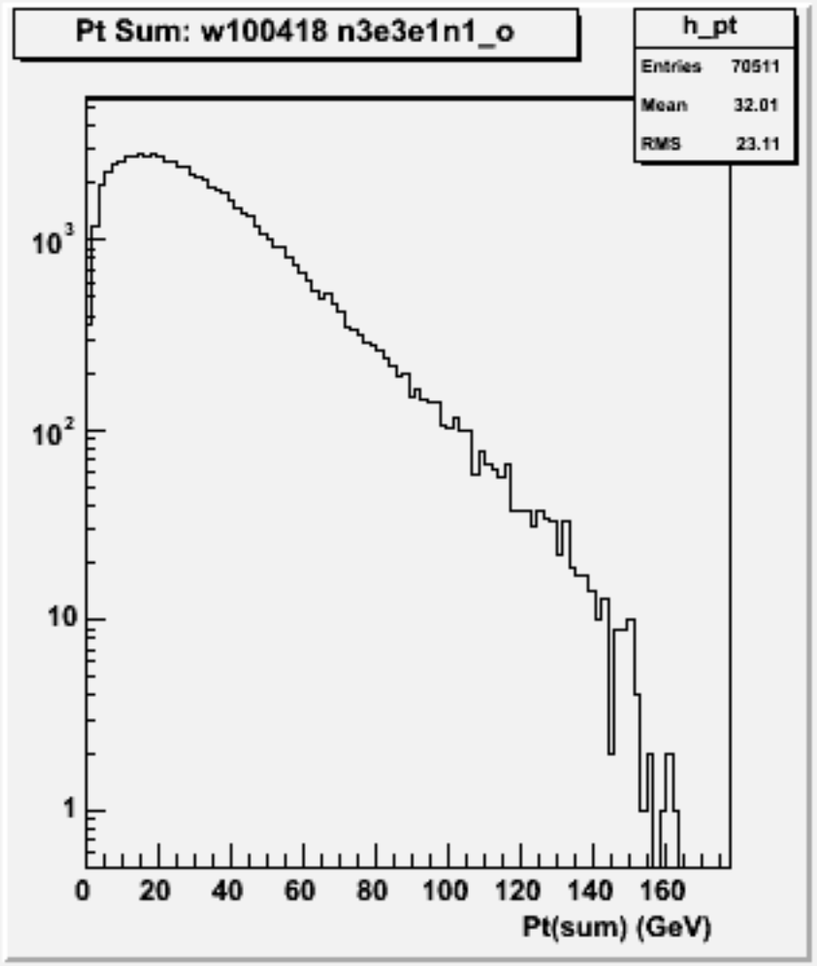

Start point R : w100418 n3e3e1n1_o
h_vr
Entries 620691
Mean 4.463
RMS 109.9
Start point Radius

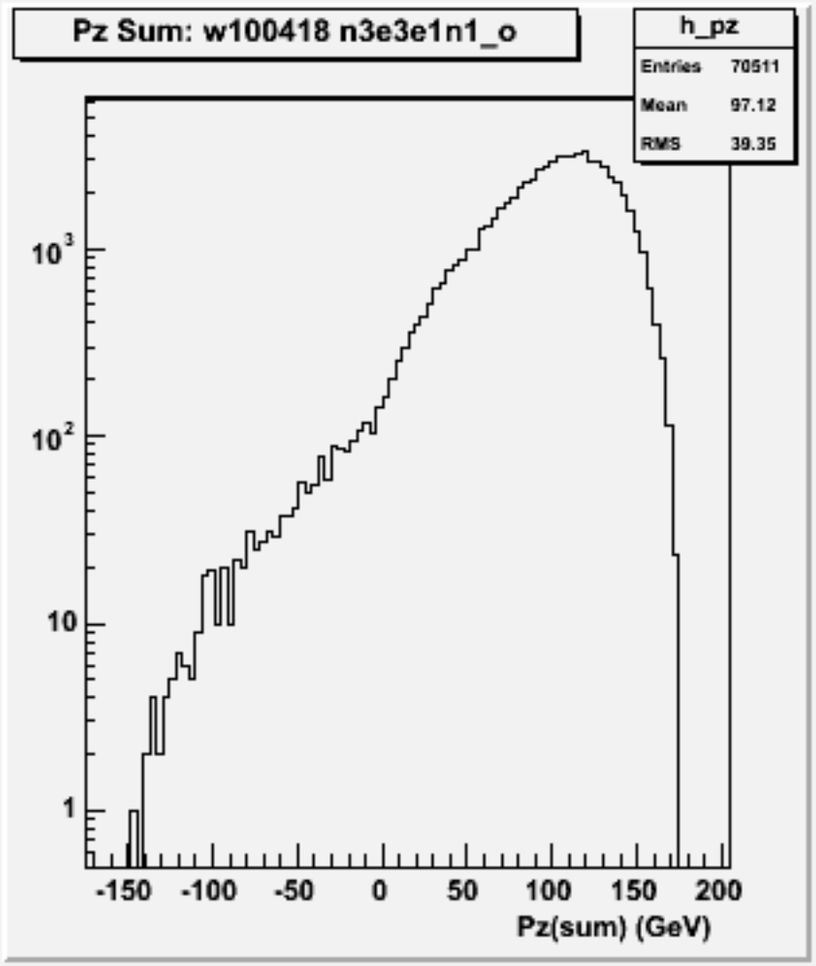

Start point Z : w100418 n3e3e1n1_o
h_vz
Entries 620691
Mean 1.343
RMS 102.5
Start point

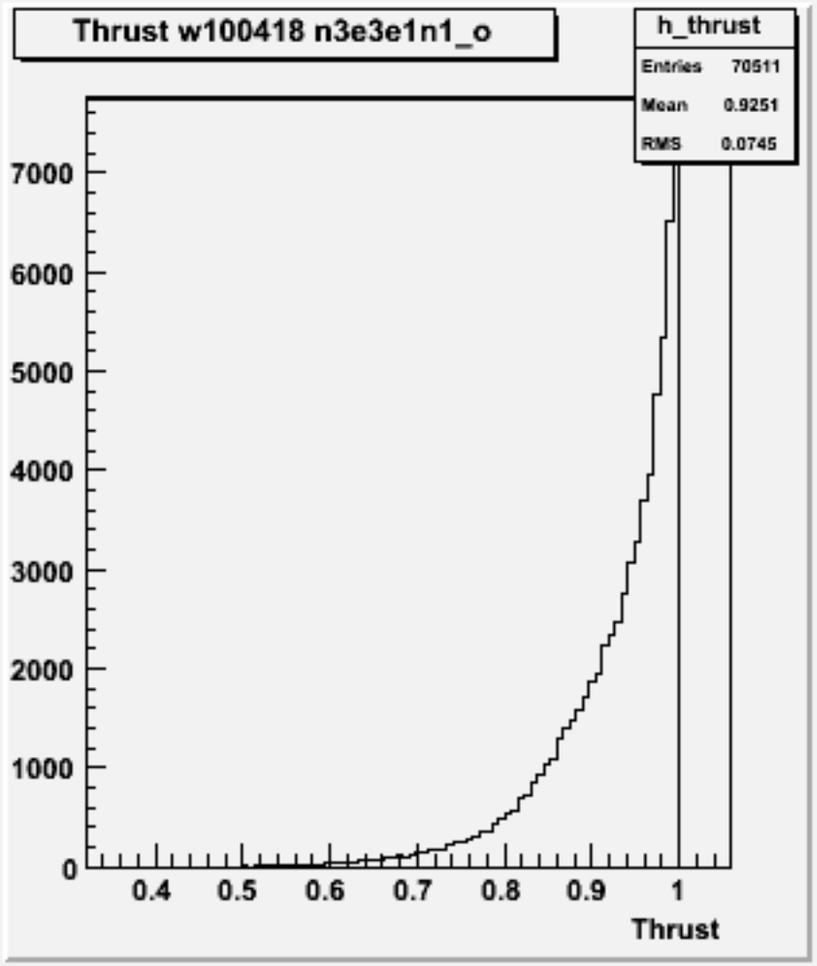

Total Energy (inc. ν): w100418 n3e3e1n1_o
h_etot
Entries 70511
Mean 347.4
RMS 5.957
Total Energy(GeV)

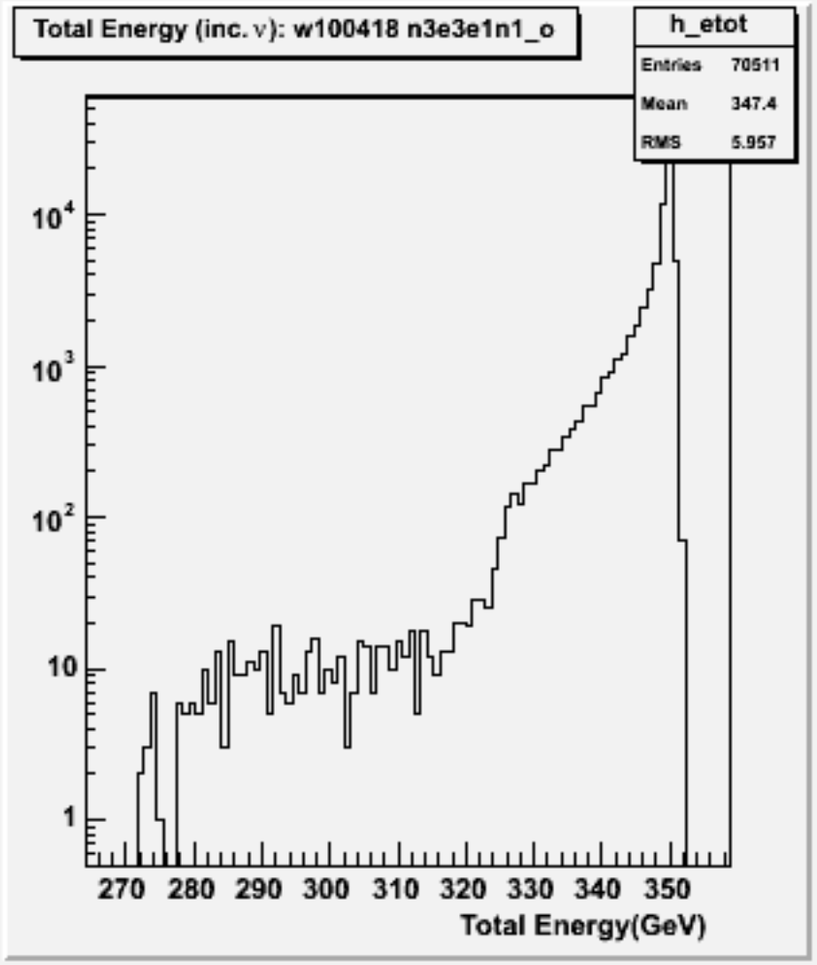

Total Energy (inc. ν): w100418 n3e3e1n1_o
h_etotc
Entries 65183
Mean 348.7
RMS 2.267
Total Energy(GeV)

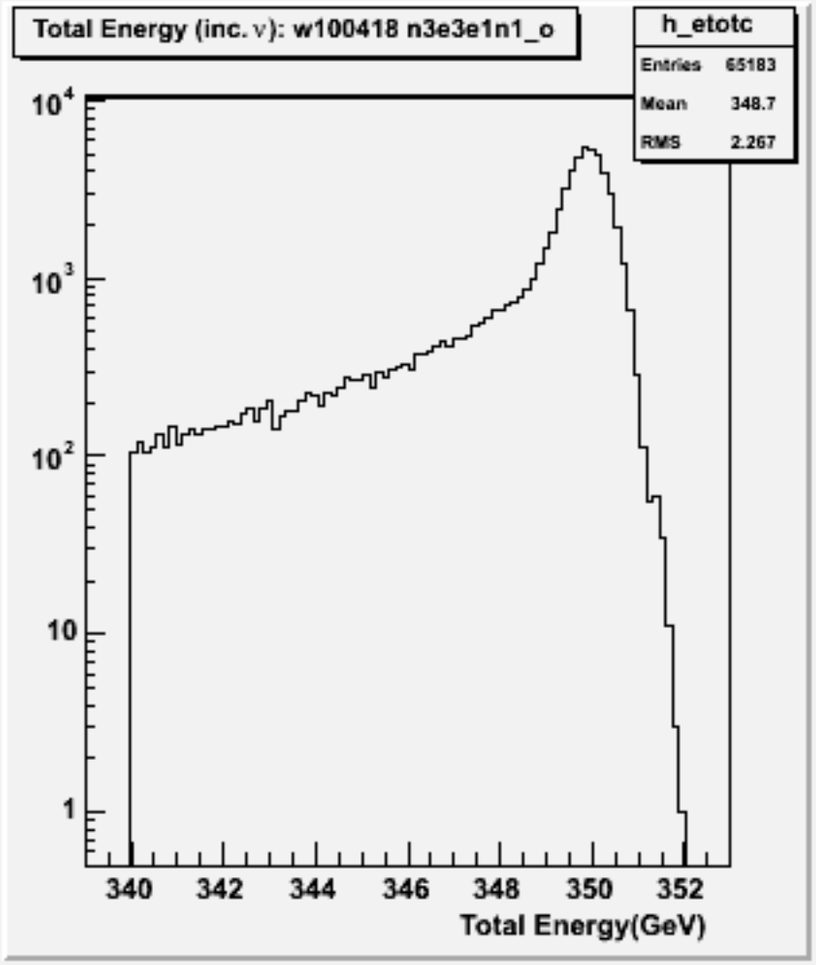

Total Energy (w/o ν): w100418 n3e3e1n1_o
h_evis
Entries 70511
Mean 139.1
RMS 42.67
Energy(GeV)

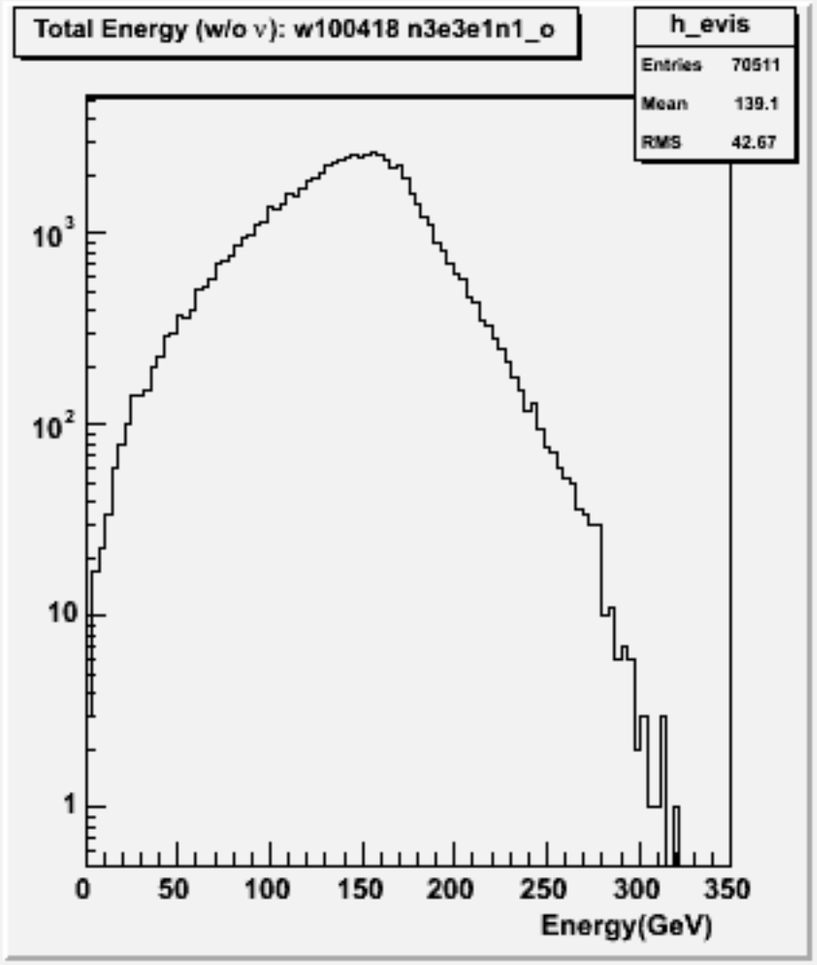

Pt Sum: w100418 n3e3e1n1_o
h_pt
Entries 70511
Mean 32.01
RMS 23.11
Pt(sum) (GeV)

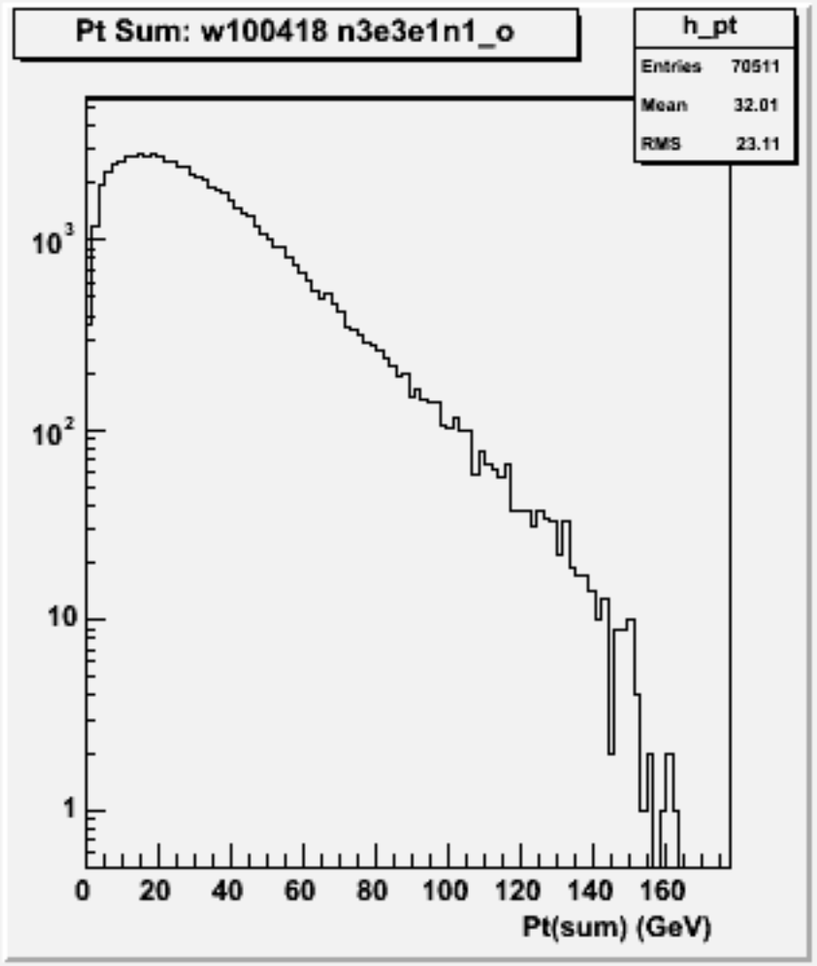

Pz Sum: w100418 n3e3e1n1_o
h_pz
Entries 70511
Mean 97.12
RMS 39.35
Pz(sum) (GeV)

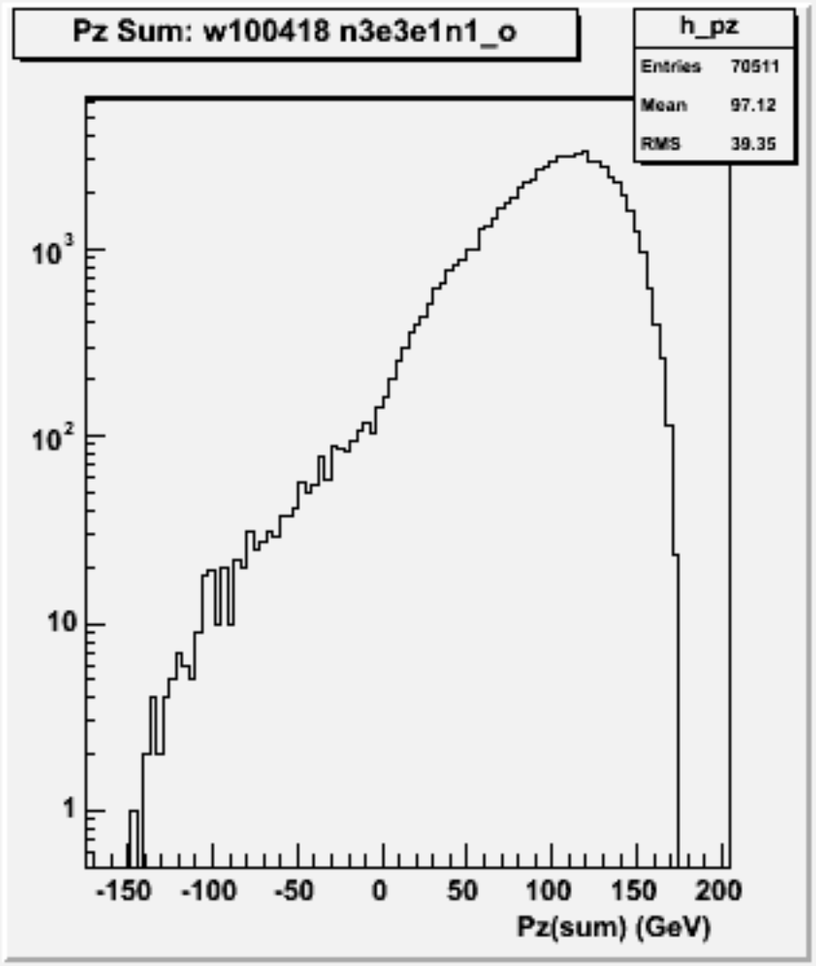

Thrust w100418 n3e3e1n1_o
h_thrust
Entries 70511
Mean 0.9251
RMS 0.0745
Thrust

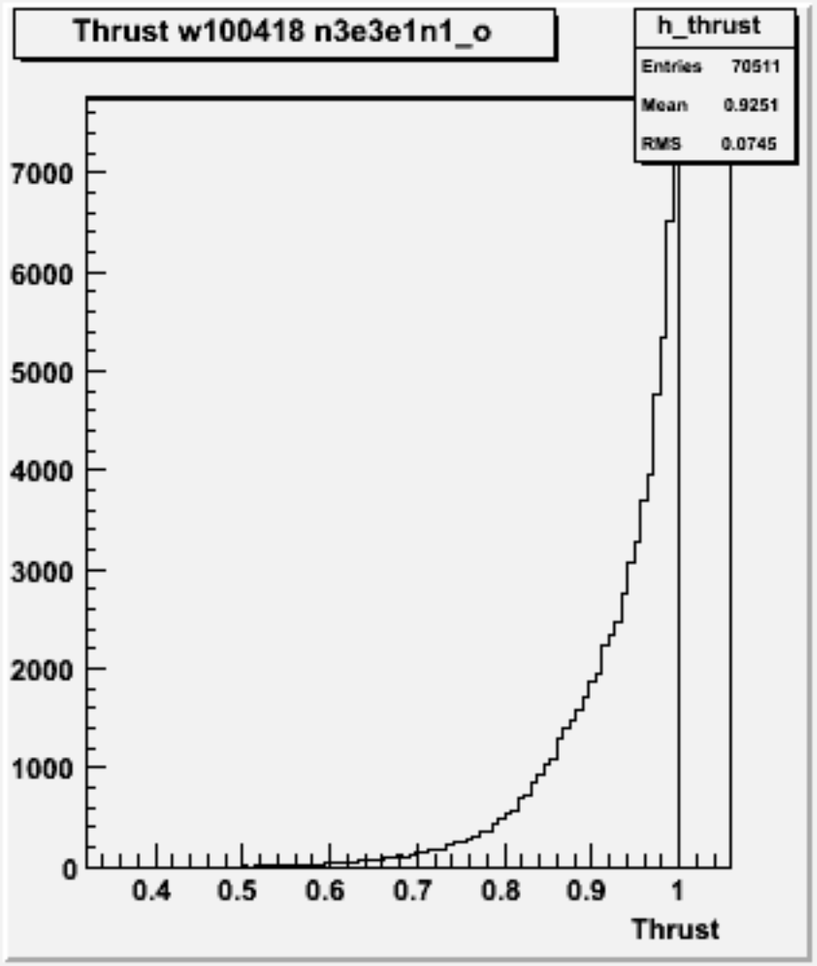

Total Energy (inc. ν): w100418 n3e3e1n1_o
h_etot
Entries 70511
Mean 347.4
RMS 5.957
Total Energy(GeV)

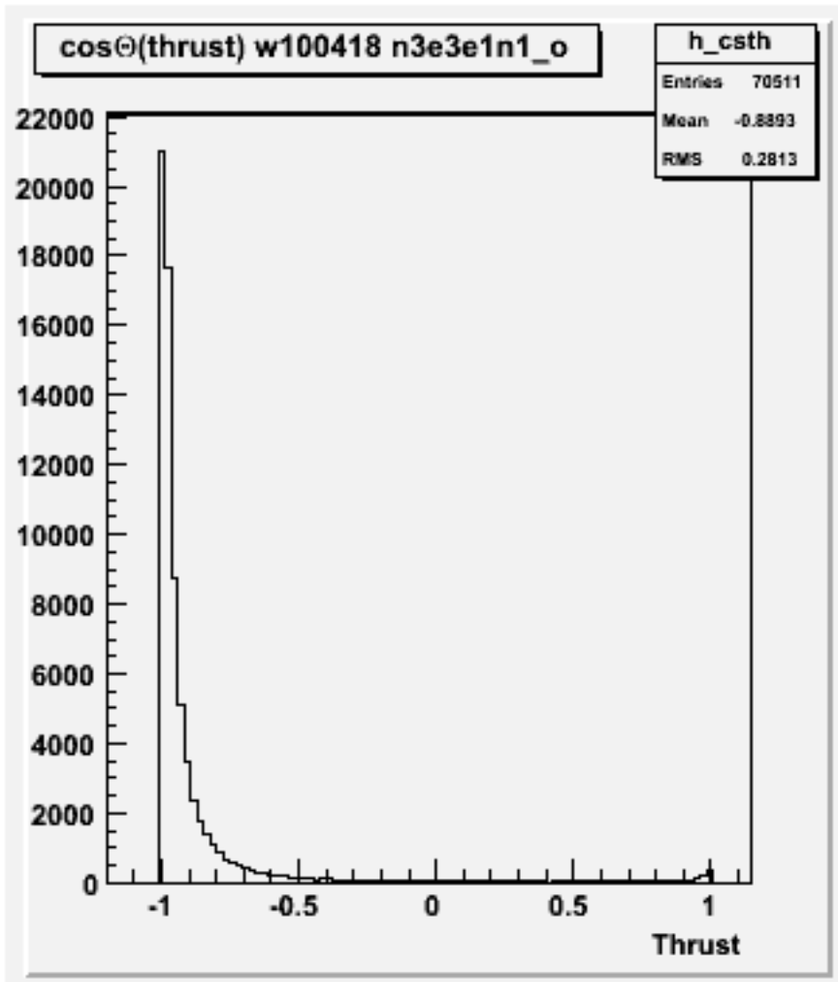

Total Energy (inc. ν): w100418 n3e3e1n1_o
h_etotc
Entries 65183
Mean 348.7
RMS 2.267
Total Energy(GeV)

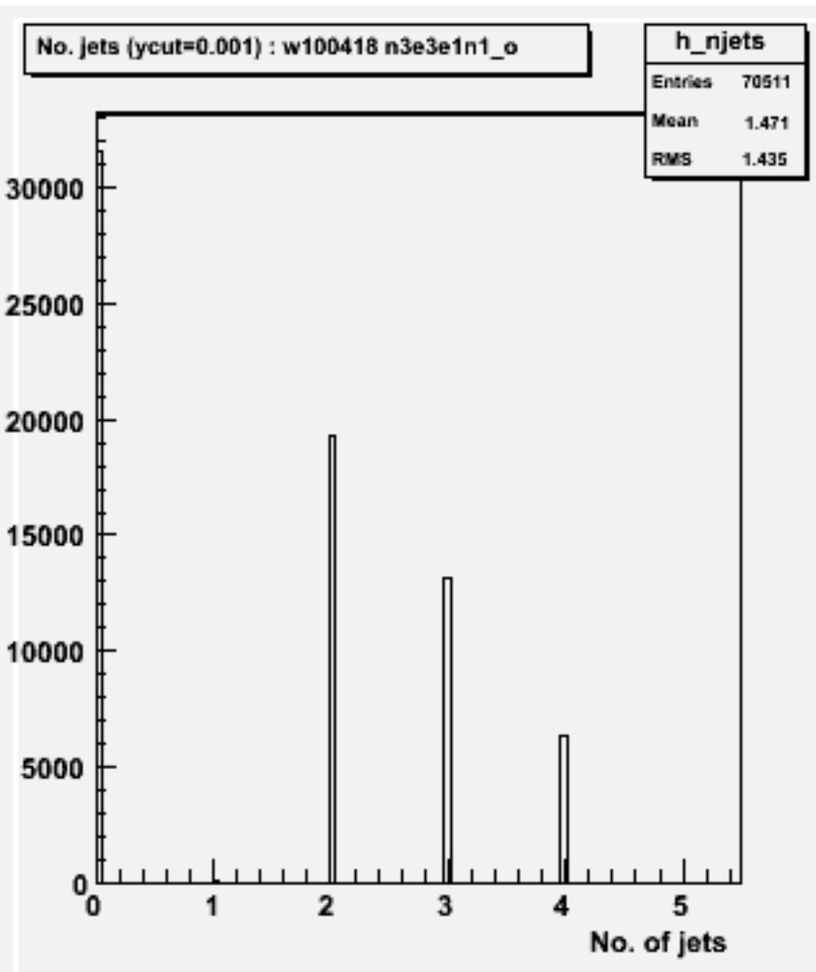

Total Energy (w/o ν): w100418 n3e3e1n1_o
h_evis
Entries 70511
Mean 139.1
RMS 42.67
Energy(GeV)

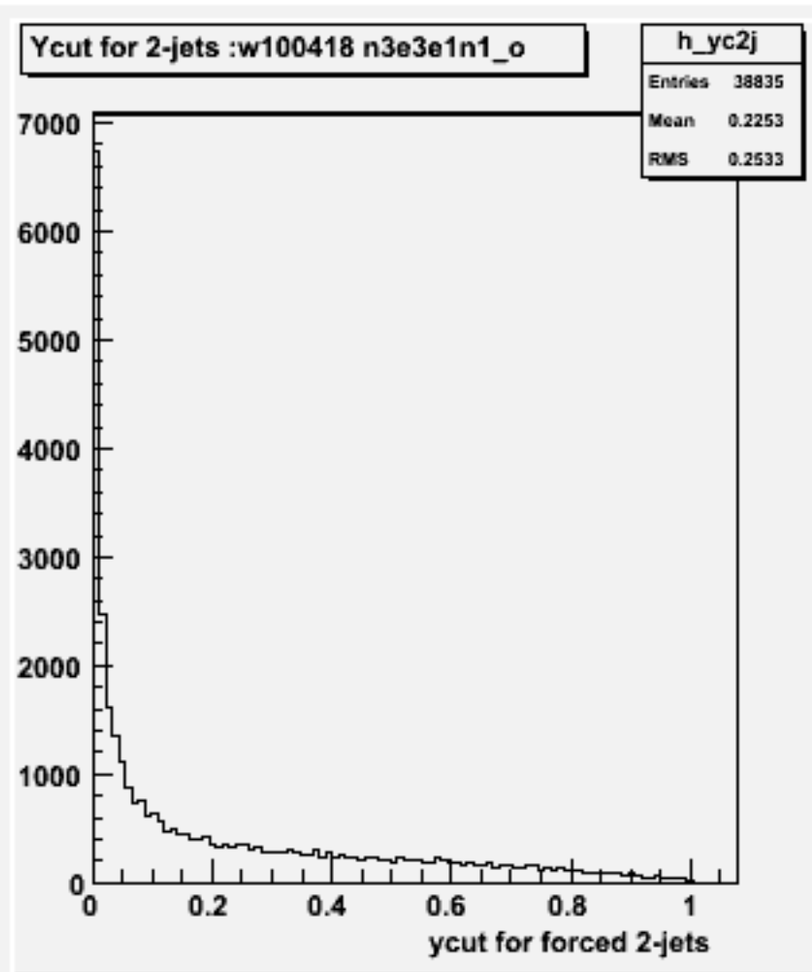

Pt Sum: w100418 n3e3e1n1_o
h_pt
Entries 70511
Mean 32.01
RMS 23.11
Pt(sum) (GeV)

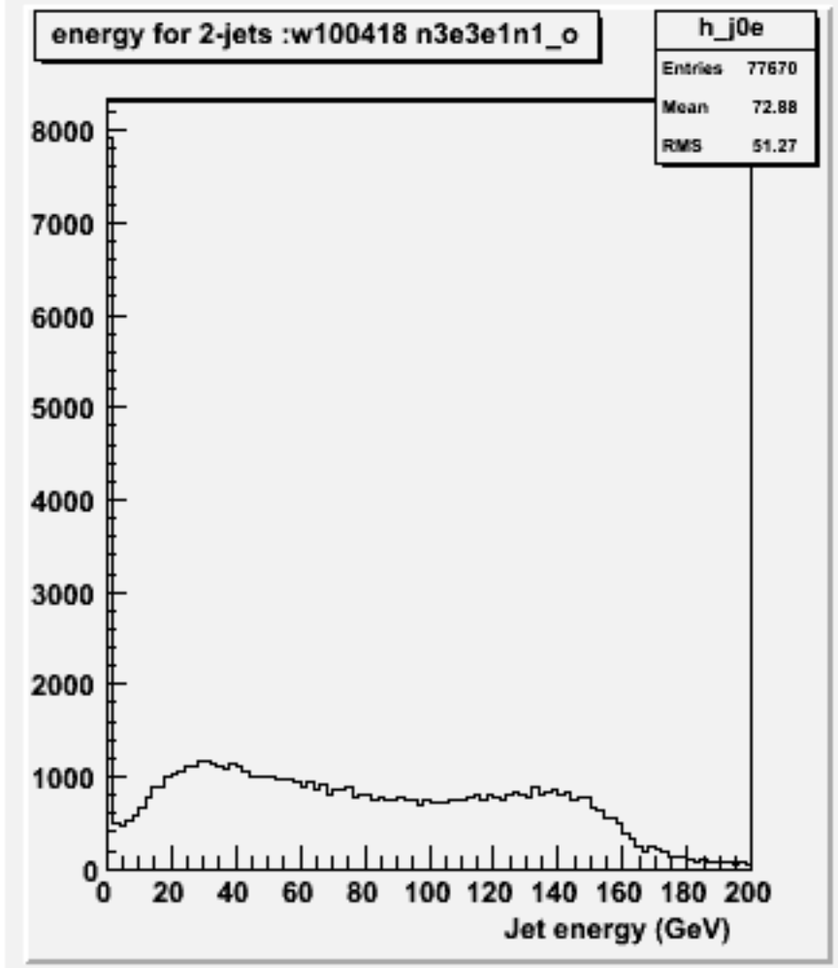

Pz Sum: w100418 n3e3e1n1_o
h_pz
Entries 70511
Mean 97.12
RMS 39.35
Pz(sum) (GeV)

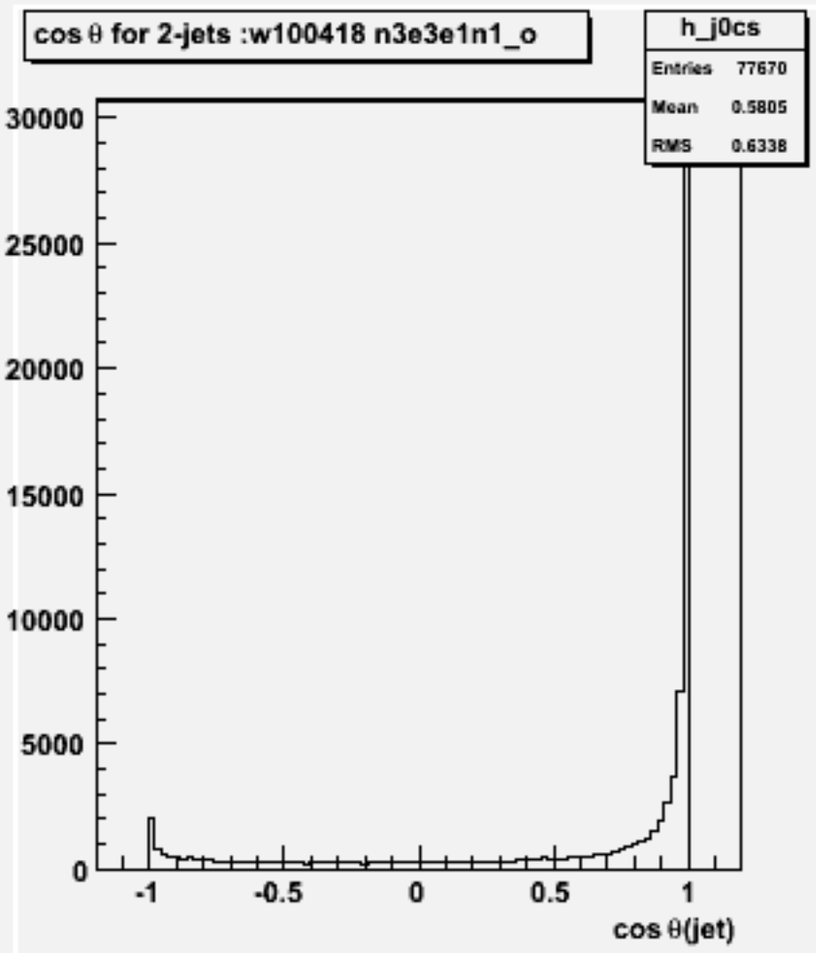

Thrust w100418 n3e3e1n1_o
h_thrust
Entries 70511
Mean 0.9251
RMS 0.0745
Thrust

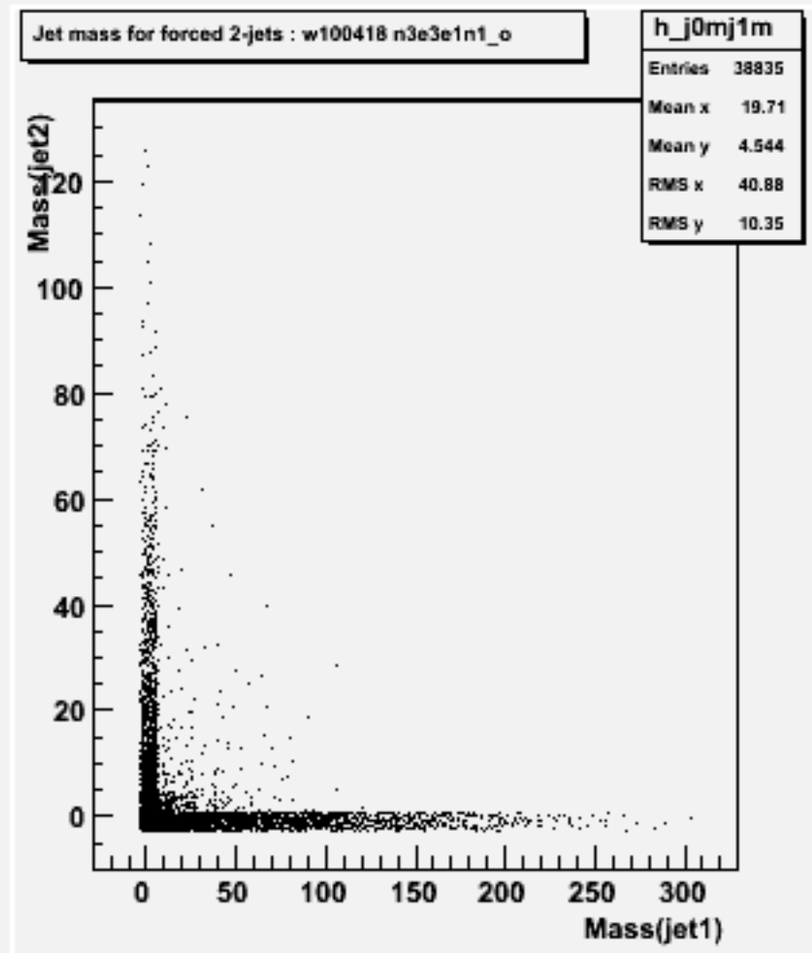

cosΘ(thrust) w100418 n3e3e1n1_o
h_csth
Entries 70511
Mean -0.8893
RMS 0.2813
Thrust

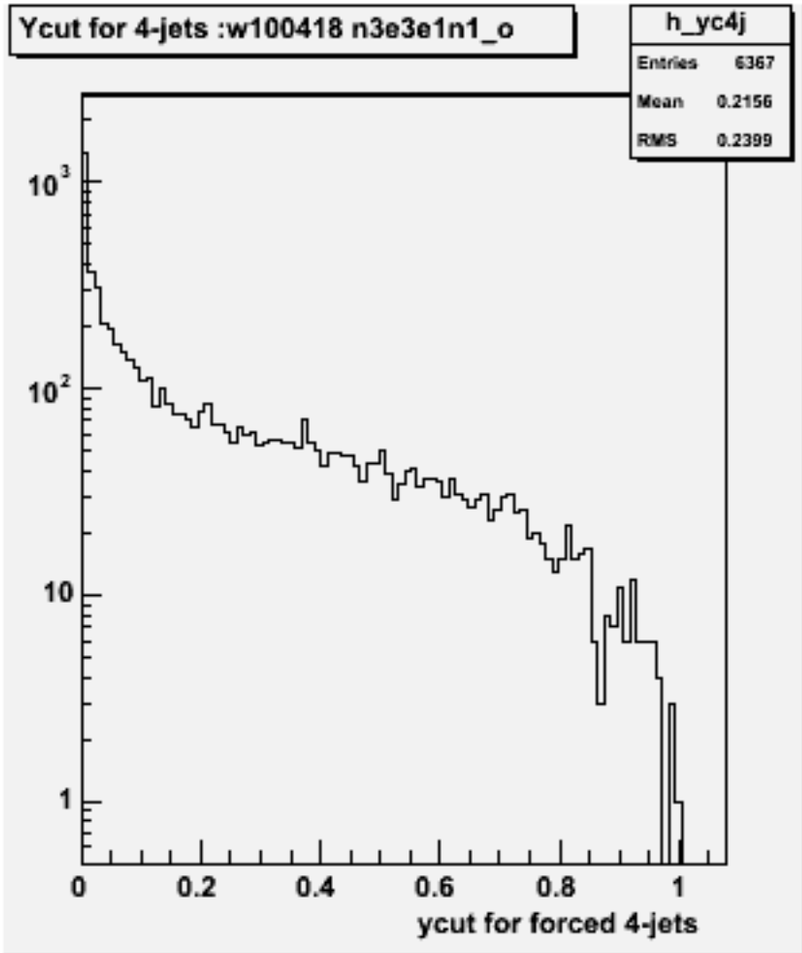

No. jets (ycut=0.001) : w100418 n3e3e1n1_o
h_njets
Entries 70511
Mean 1.471
RMS 1.435
No. of jets

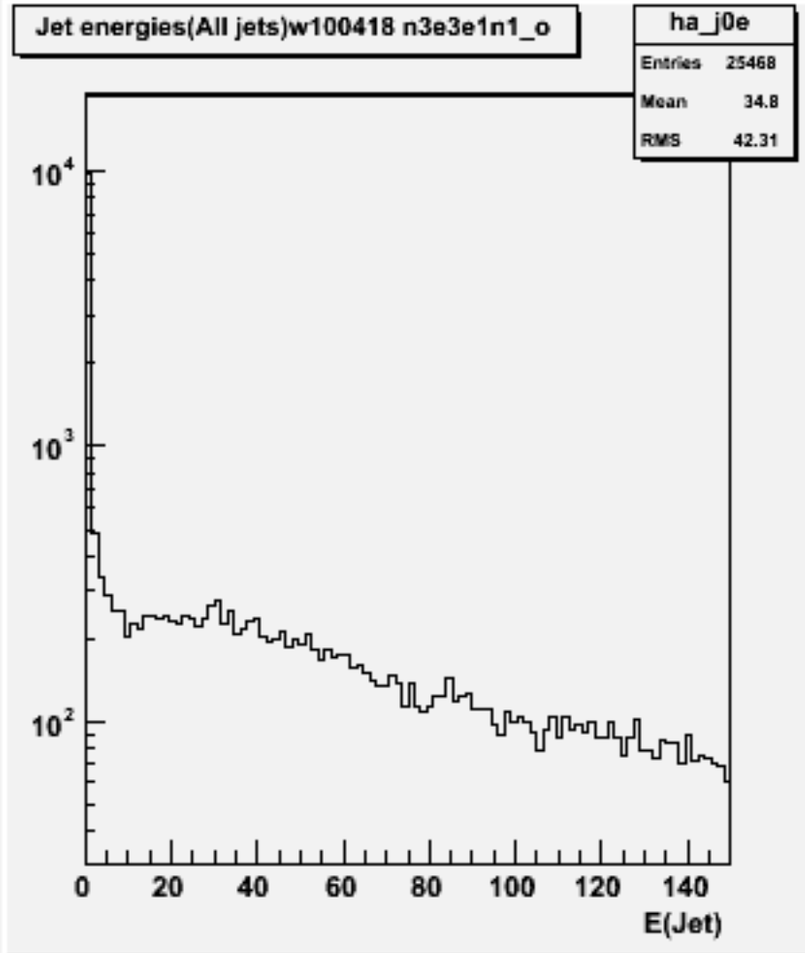

Ycut for 2-jets :w100418 n3e3e1n1_o
h_yc2j
Entries 38835
Mean 0.2253
RMS 0.2533
ycut for forced 2-jets

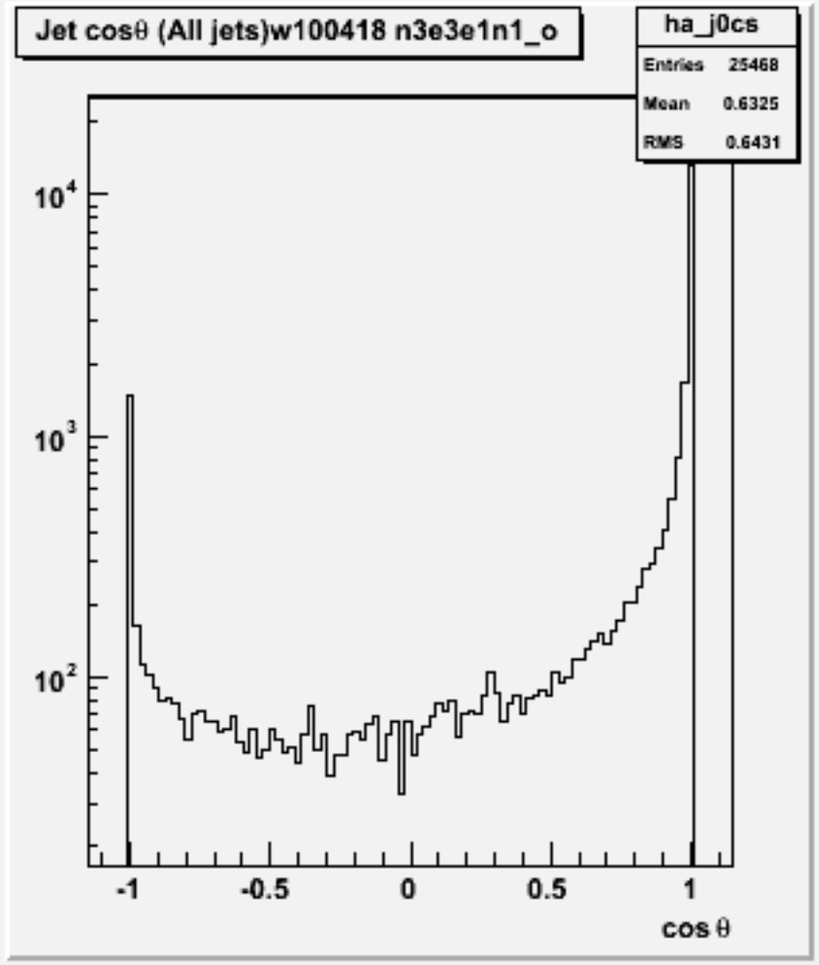

energy for 2-jets :w100418 n3e3e1n1_o
h_j0e
Entries 77670
Mean 72.88
RMS 51.27
Jet energy (GeV)

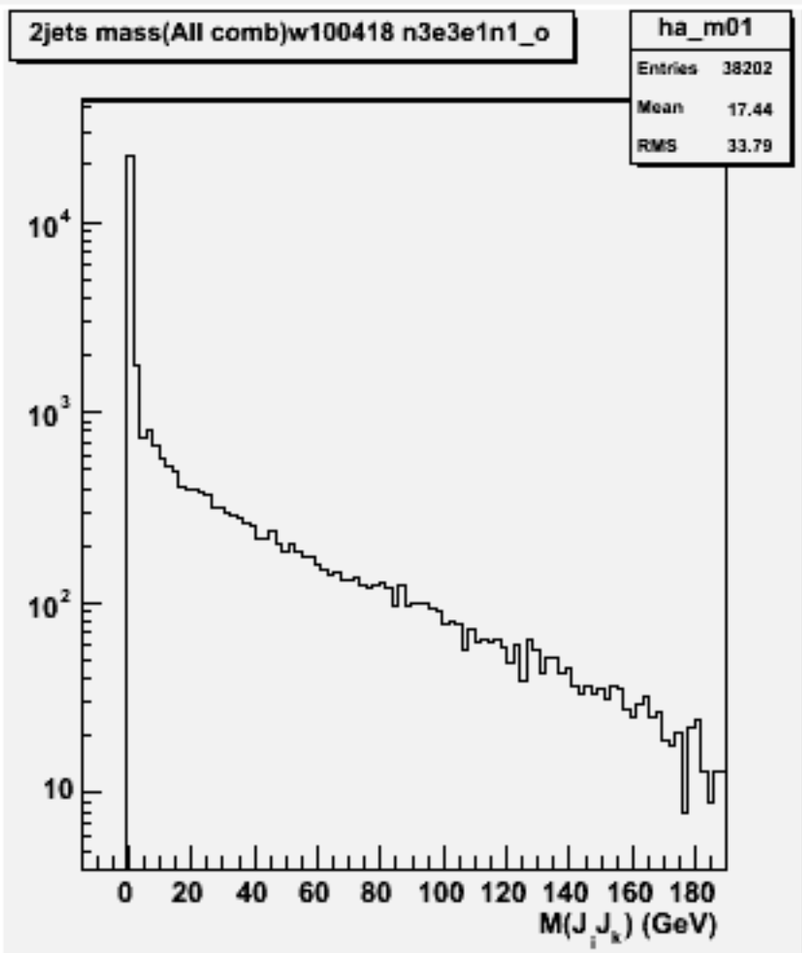

cos θ for 2-jets :w100418 n3e3e1n1_o
h_j0cs
Entries 77670
Mean 0.5805
RMS 0.6338
cos θ(jet)

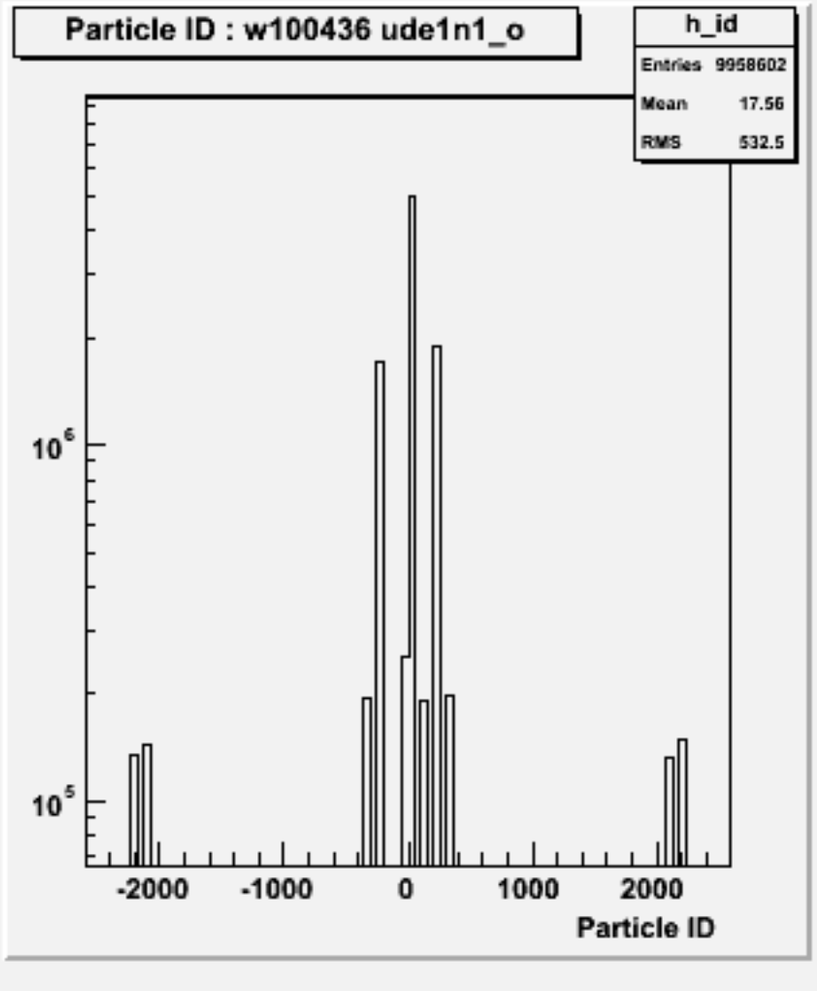

Jet mass for forced 2-jets : w100418 n3e3e1n1_o
h_j0mj1m
Entries 38835
Mean x 19.71
Mean y 4.544
RMS x 40.88
RMS y 10.35
Mass(jet2)
Mass(jet1)

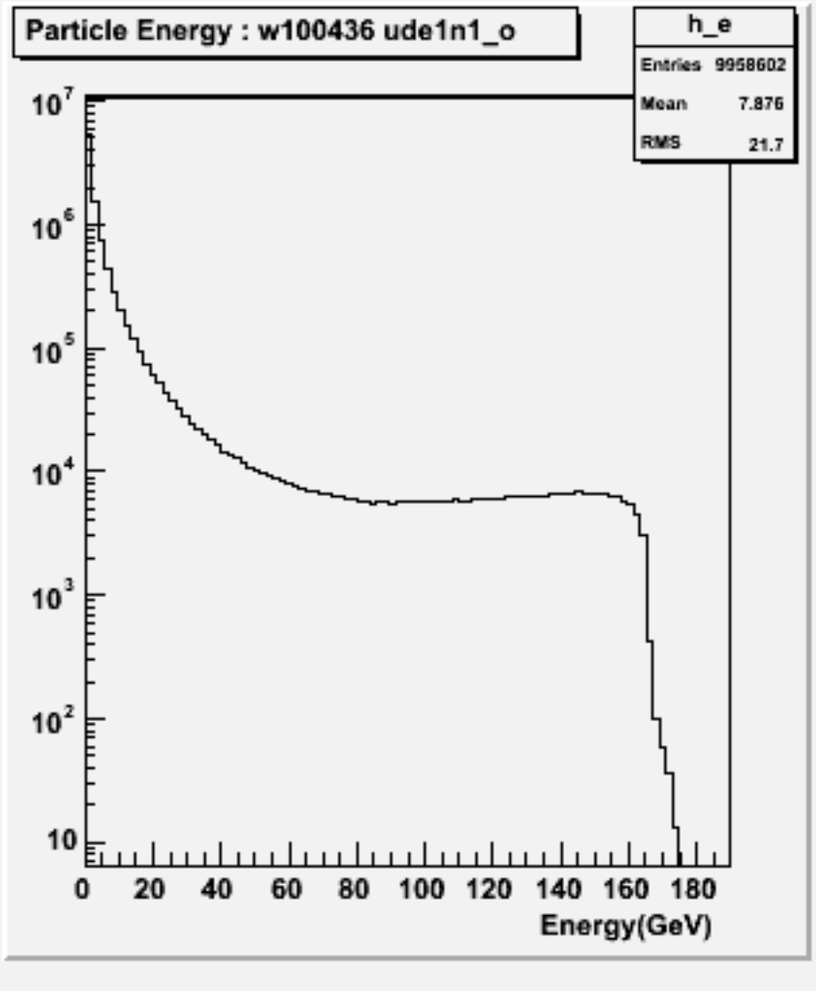

Ycut for 4-jets :w100418 n3e3e1n1_o
h_yc4j
Entries 6367
Mean 0.2156
RMS 0.2399
ycut for forced 4-jets

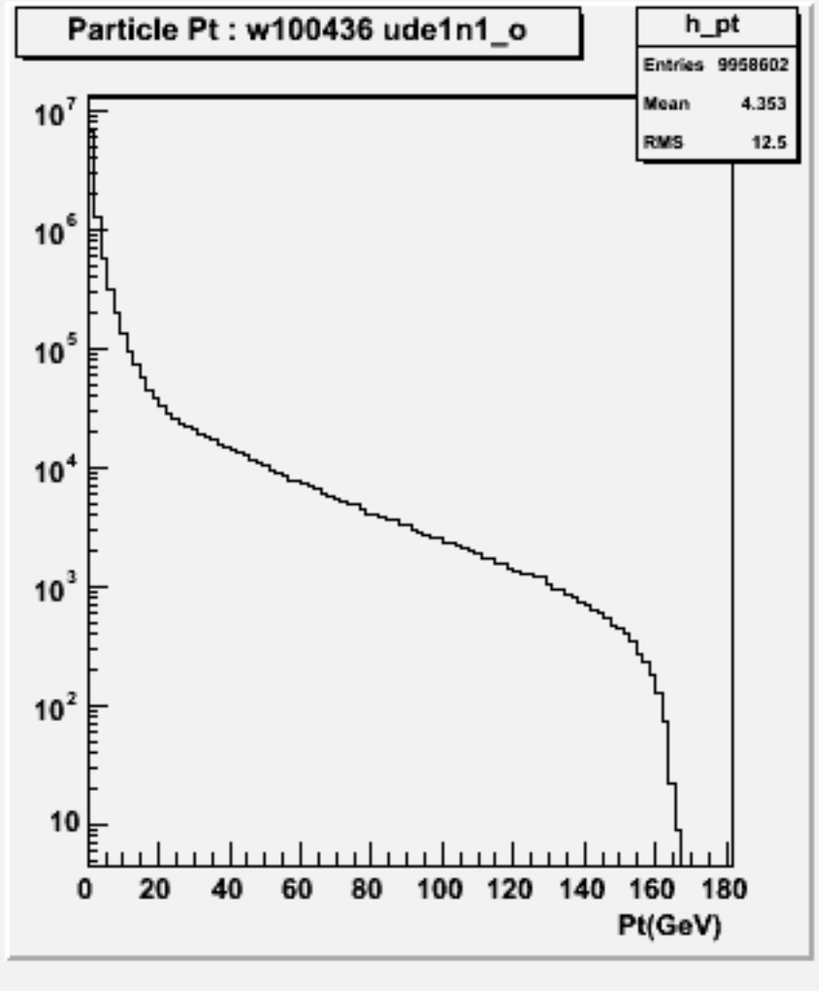

Jet energies(All jets)w100418 n3e3e1n1_o
ha_j0e
Entries 25468
Mean 34.8
RMS 42.31
E(Jet)

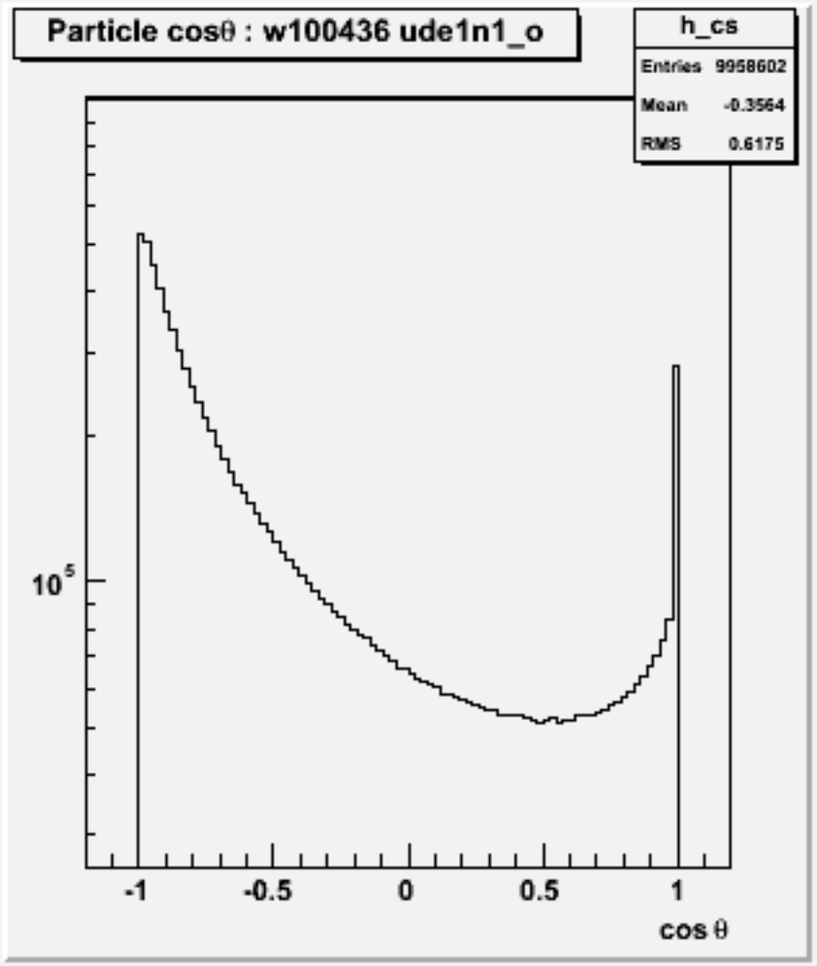

Jet cosθ (All jets)w100418 n3e3e1n1_o
ha_j0cs
Entries 25468
Mean 0.6325
RMS 0.6431
cos θ

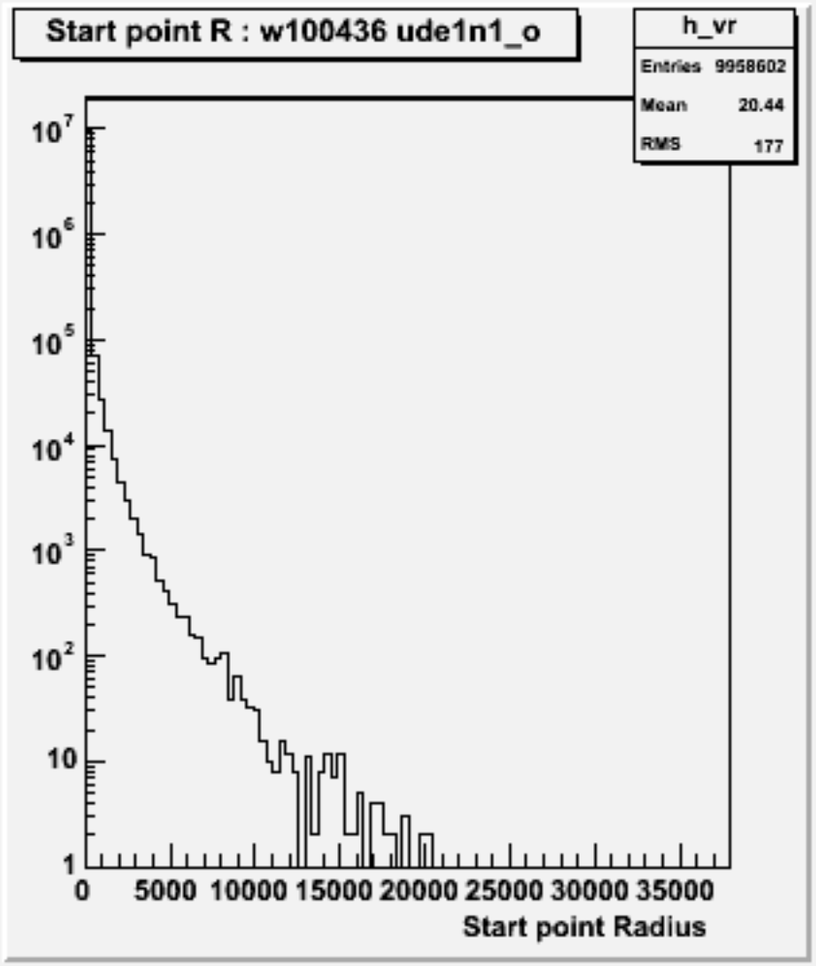

2jets mass(All comb)w100418 n3e3e1n1_o
ha_m01
Entries 38202
Mean 17.44
RMS 33.79
M(J_iJ_k) (GeV)

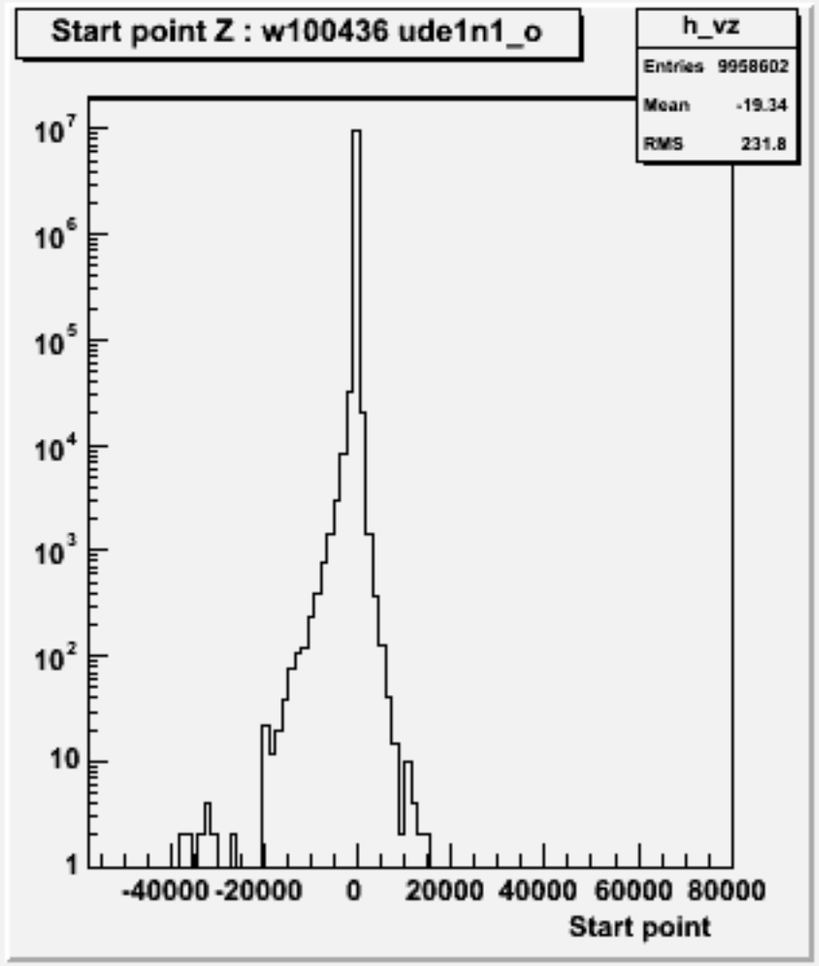

Particle ID : w100436 ude1n1_o
h_id
Entries 9958602
Mean 17.56
RMS 532.5
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

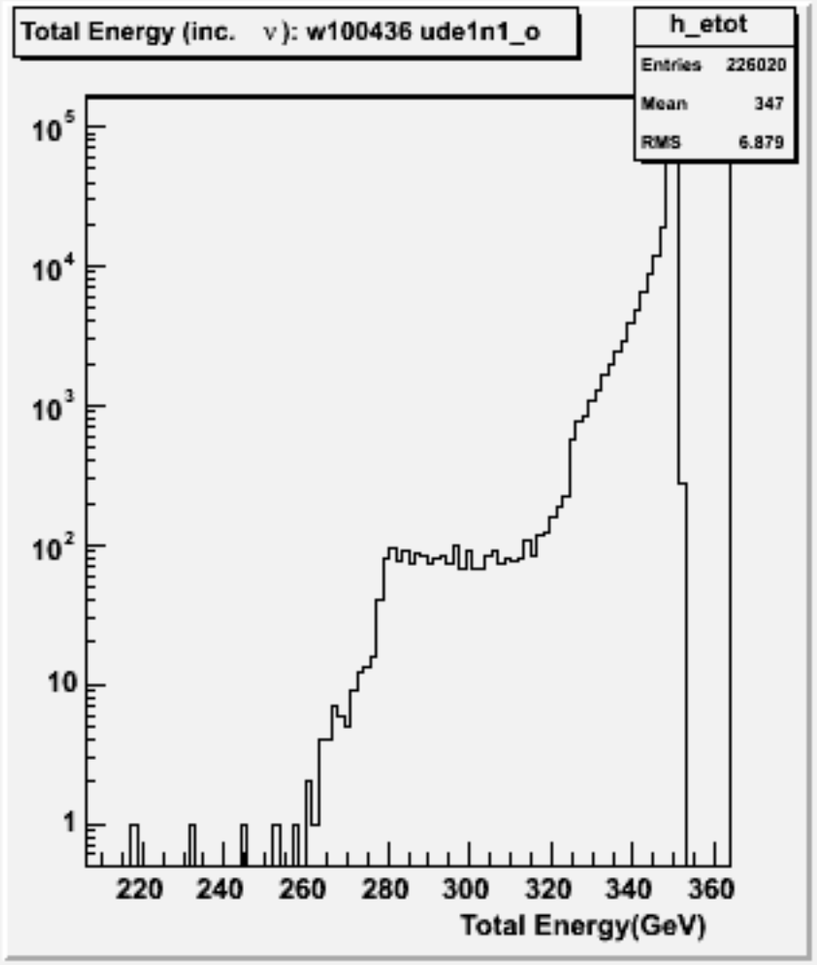

Particle Energy : w100436 ude1n1_o
h_e
Entries 9958602
Mean 7.876
RMS 21.7
10^7
10^6
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

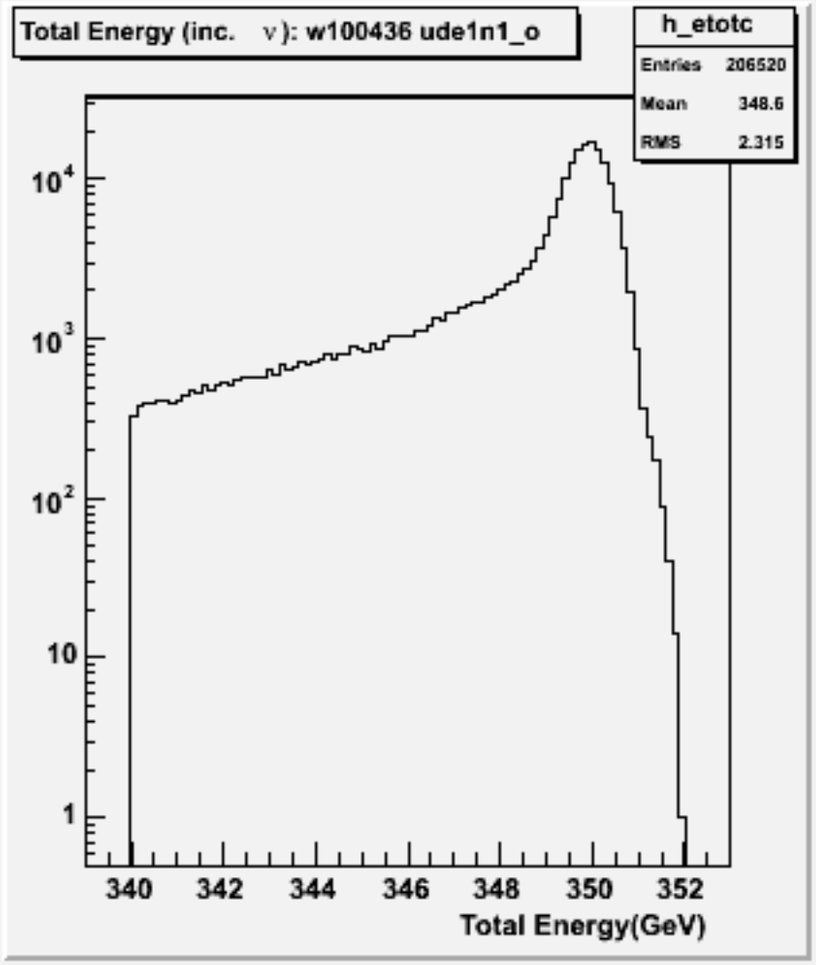

Particle Pt : w100436 ude1n1_o
h_pt
Entries 9958602
Mean 4.353
RMS 12.5
10^7
10^6
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

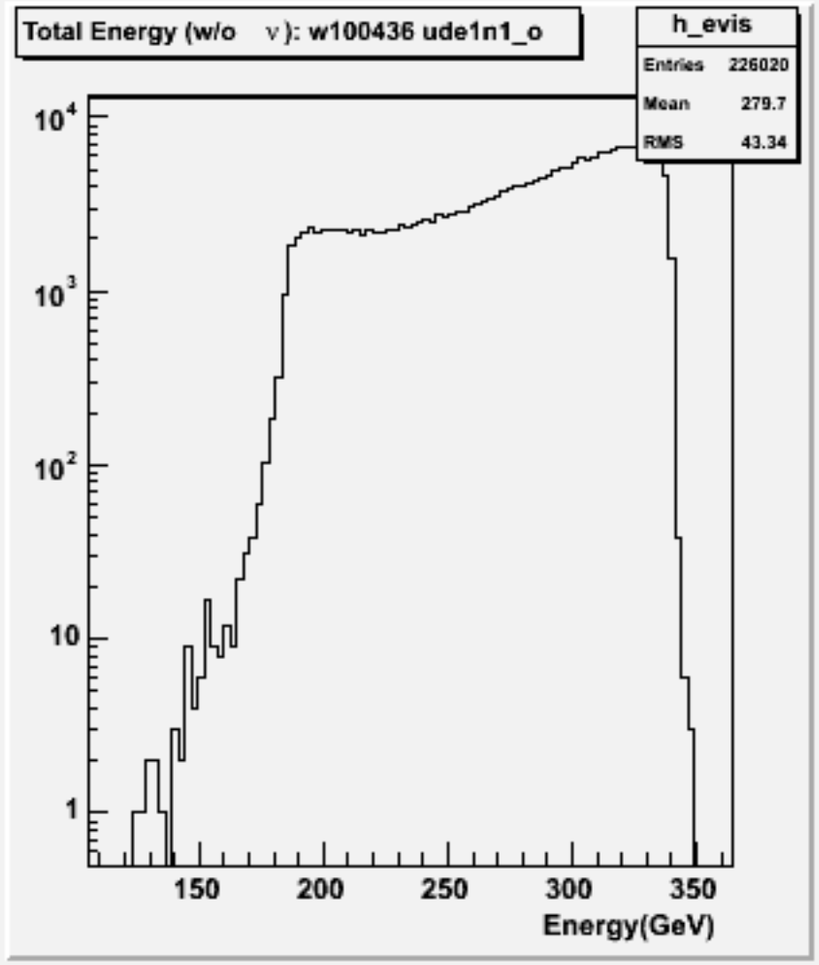

Particle cosθ : w100436 ude1n1_o
h_cs
Entries 9958602
Mean -0.3564
RMS 0.6175
10^5
-1
-0.5
0
0.5
1
cos θ

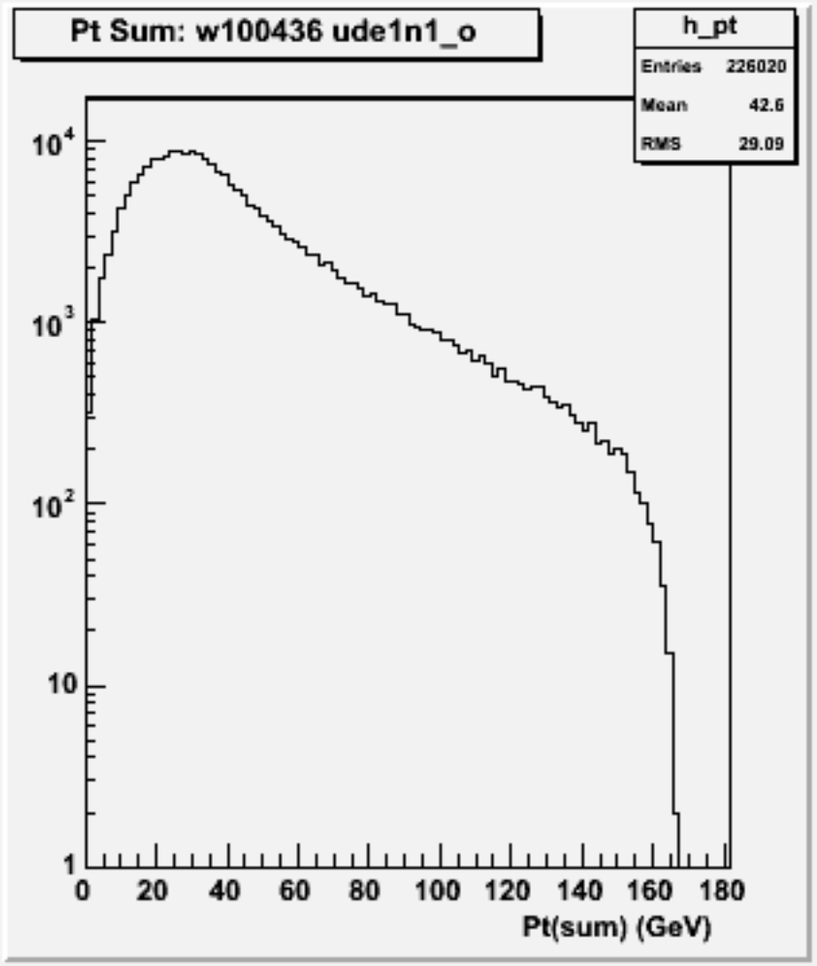

Start point R : w100436 ude1n1_o
h_vr
Entries 9958602
Mean 20.44
RMS 177
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0 5000 10000 15000 20000 25000 30000 35000
Start point Radius

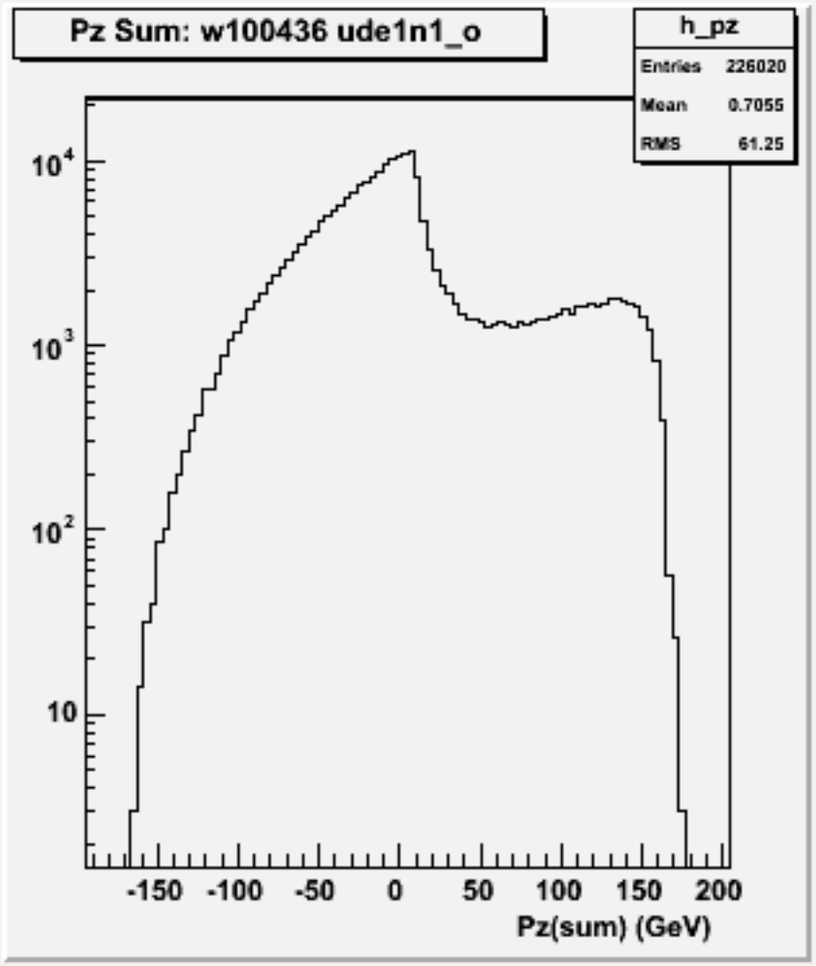

Start point Z : w100436 ude1n1_o
h_vz
Entries 9958602
Mean -19.34
RMS 231.8
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-40000 -20000 0 20000 40000 60000 80000
Start point

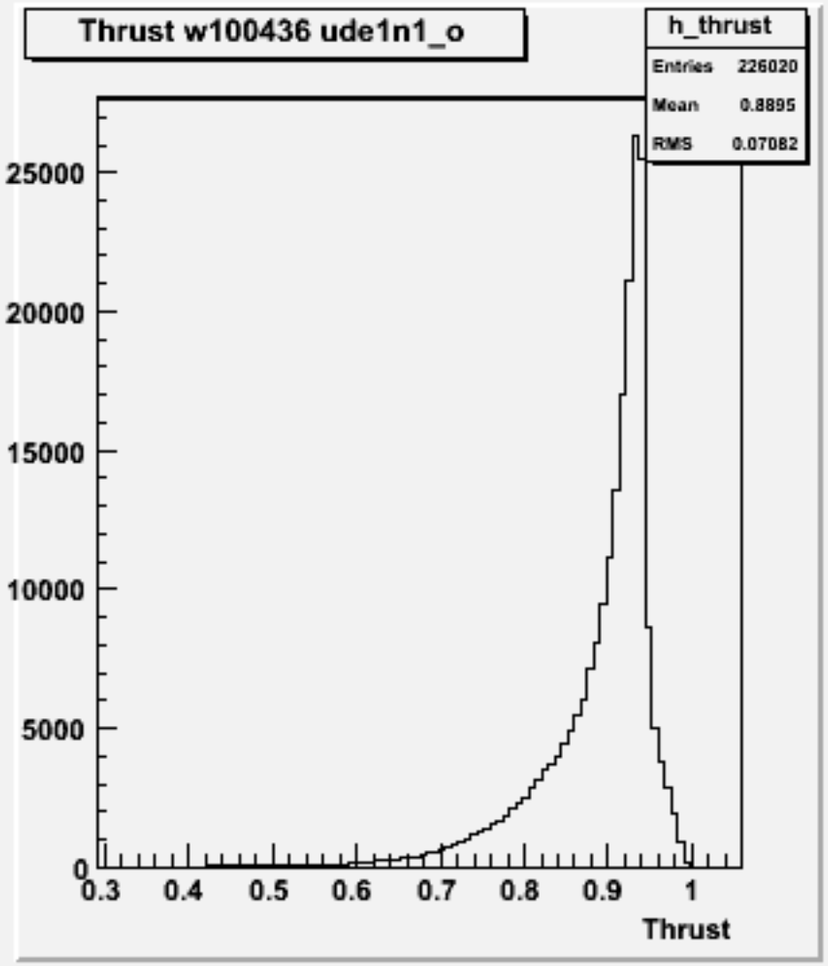

Total Energy (inc. ν): w100436 ude1n1_o
h_etot
Entries 226020
Mean 347
RMS 6.879
Total Energy(GeV)

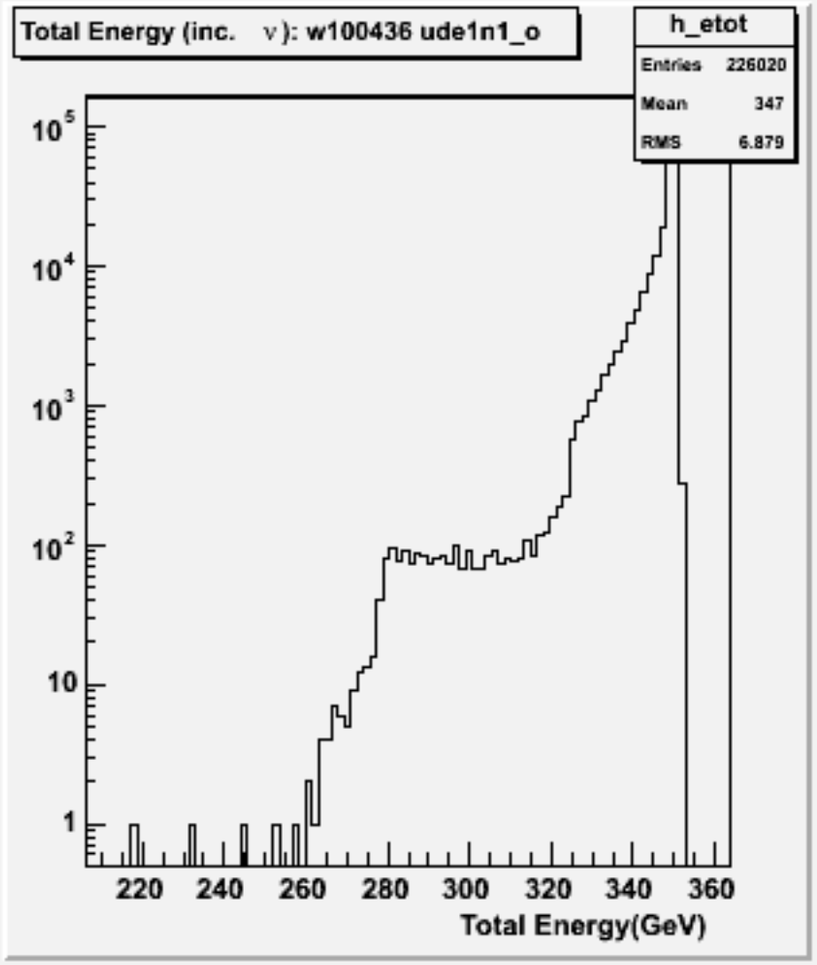

Total Energy (inc. ν): w100436 ude1n1_o
h_etotc
Entries 206520
Mean 348.6
RMS 2.315
Total Energy(GeV)

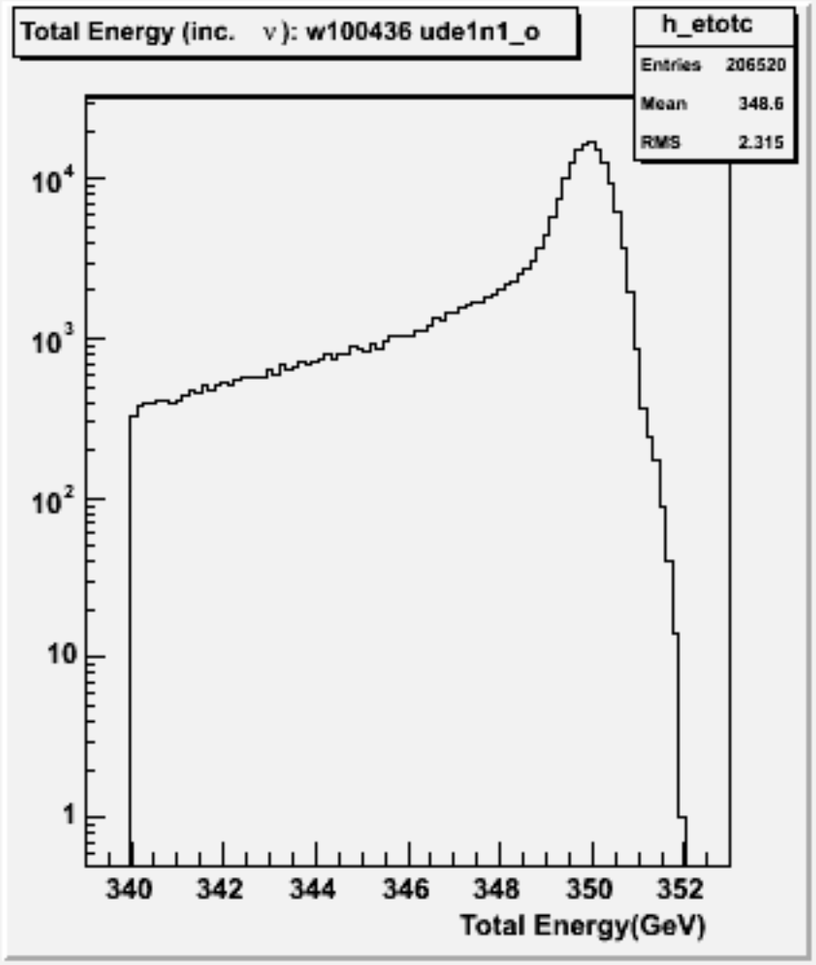

Total Energy (w/o ν): w100436 ude1n1_o
h_evis
Entries 226020
Mean 279.7
RMS 43.34
Energy(GeV)

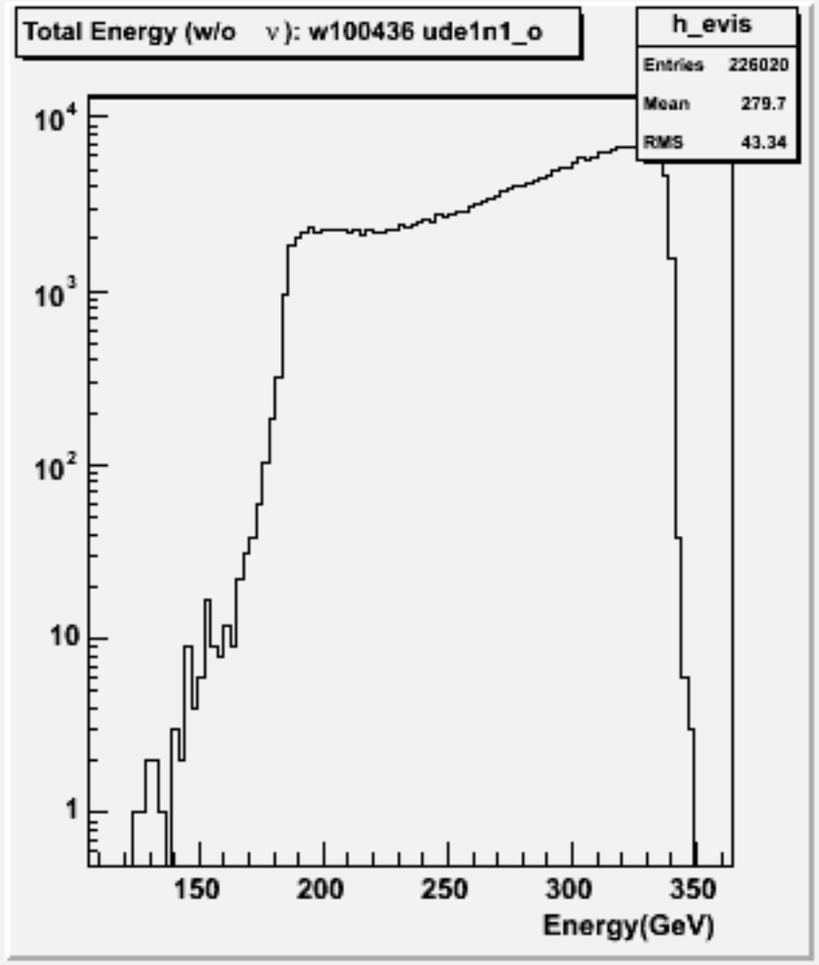

Pt Sum: w100436 ude1n1_o
h_pt
Entries 226020
Mean 42.6
RMS 29.09
Pt(sum) (GeV)

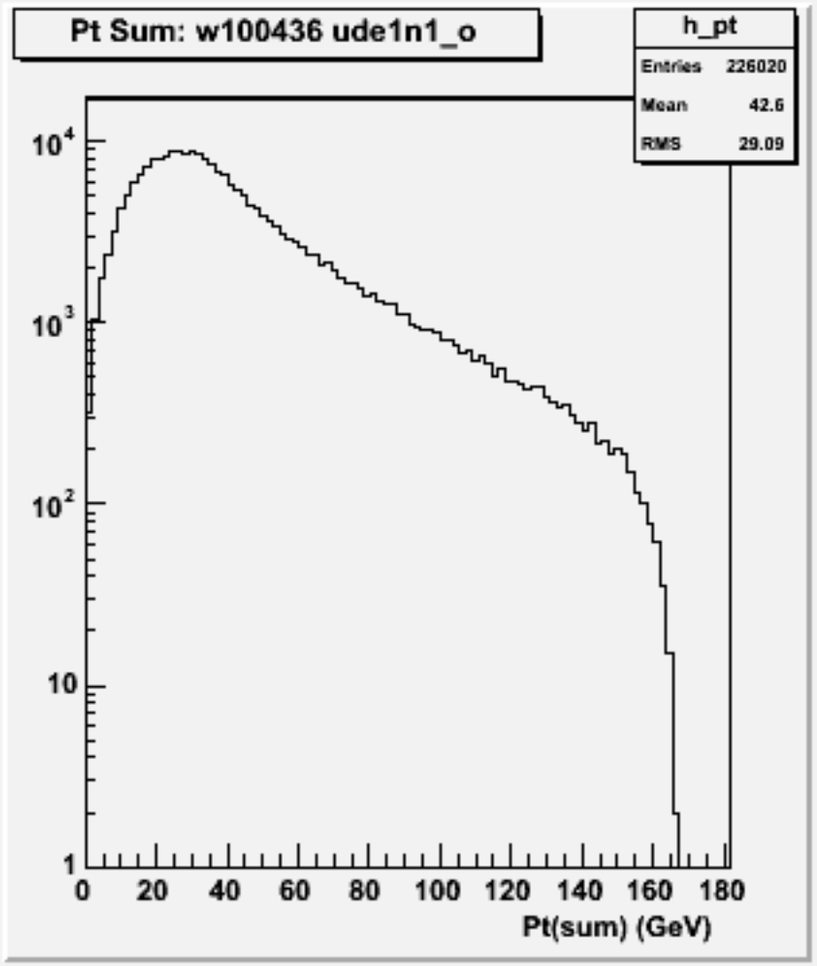

Pz Sum: w100436 ude1n1_o
h_pz
Entries 226020
Mean 0.7055
RMS 61.25
Pz(sum) (GeV)

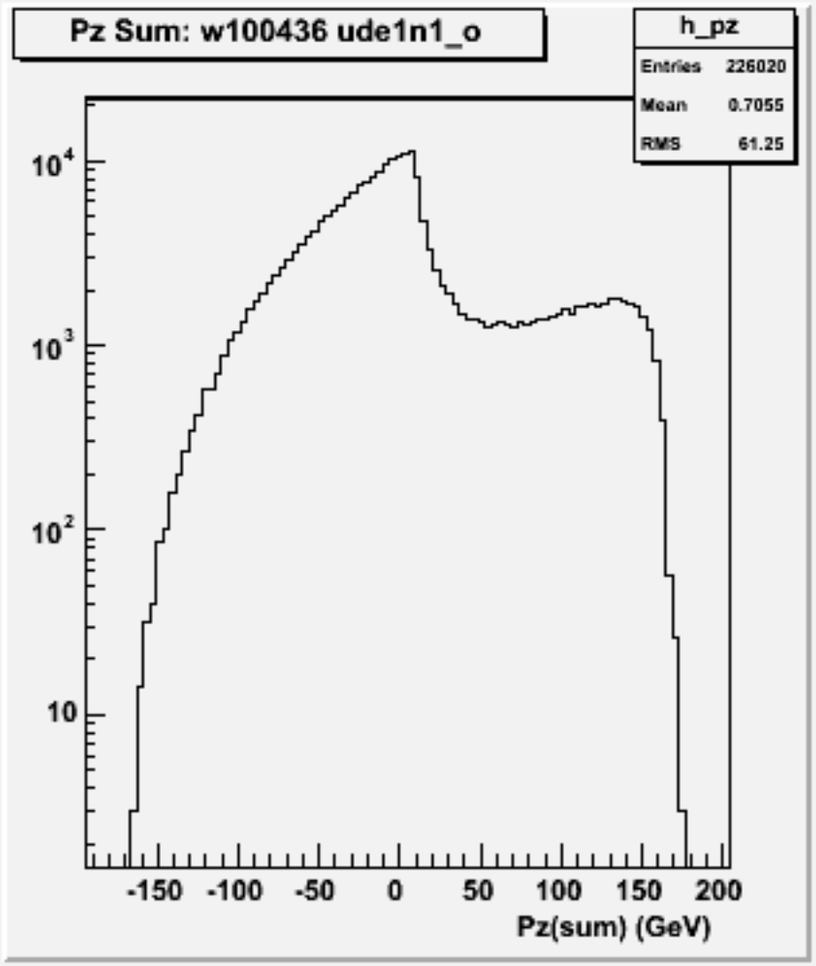

Thrust w100436 ude1n1_o
h_thrust
Entries 226020
Mean 0.8895
RMS 0.07082
Thrust

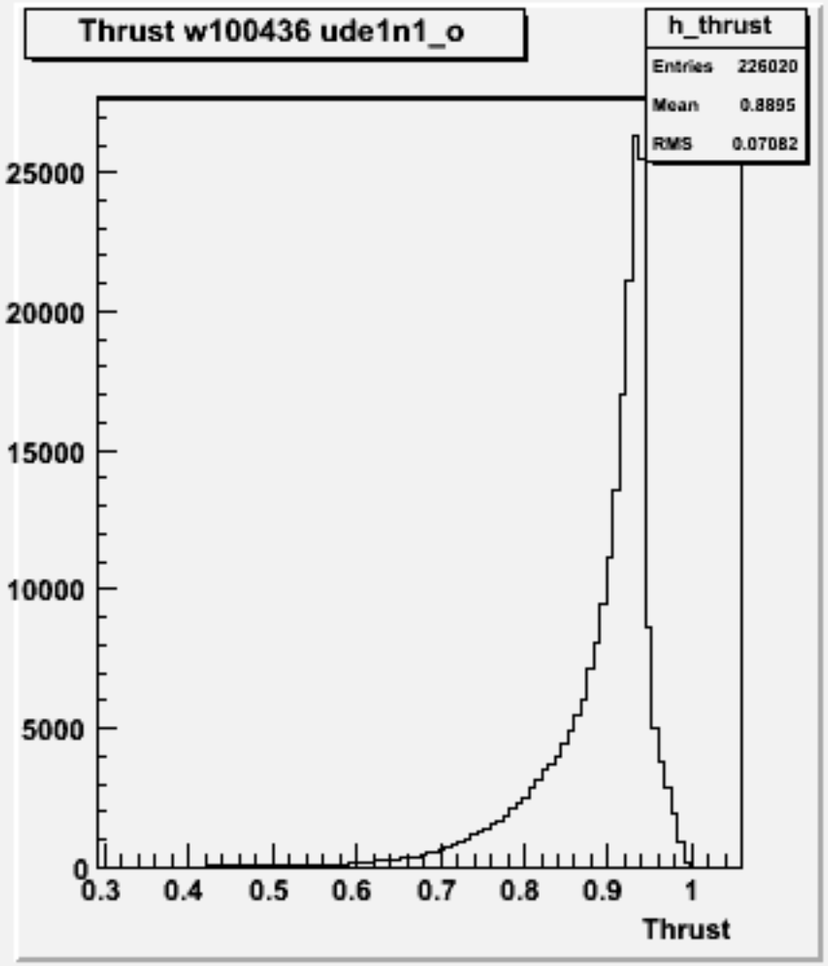

Total Energy (inc. ν): w100436 ude1n1_o
h_etot
Entries 226020
Mean 347
RMS 6.879
Total Energy(GeV)

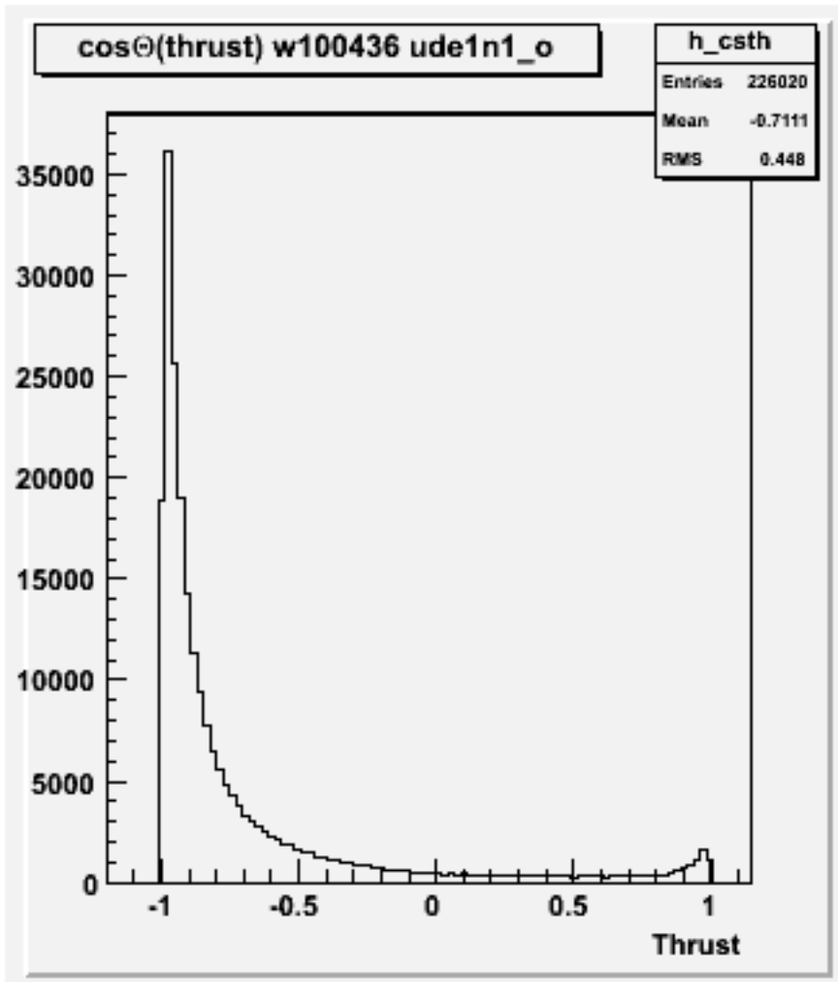

Total Energy (inc. ν): w100436 ude1n1_o
h_etotc
Entries 206520
Mean 348.6
RMS 2.315
Total Energy(GeV)

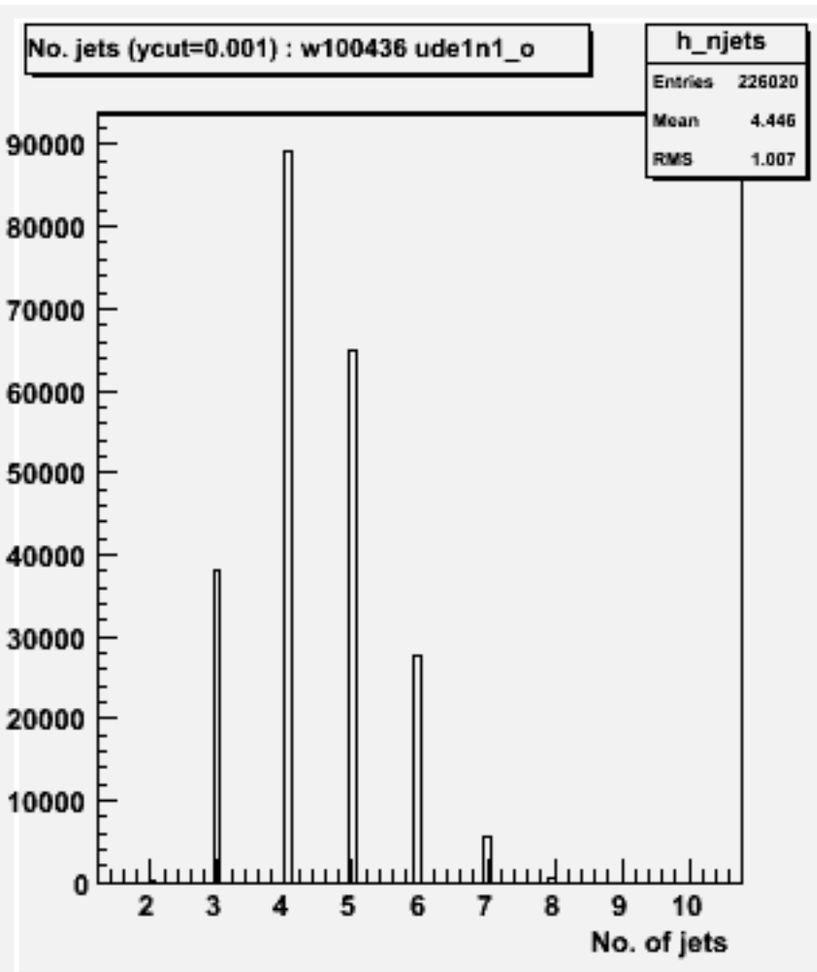

Total Energy (w/o ν): w100436 ude1n1_o
h_evis
Entries 226020
Mean 279.7
RMS 43.34
Energy(GeV)

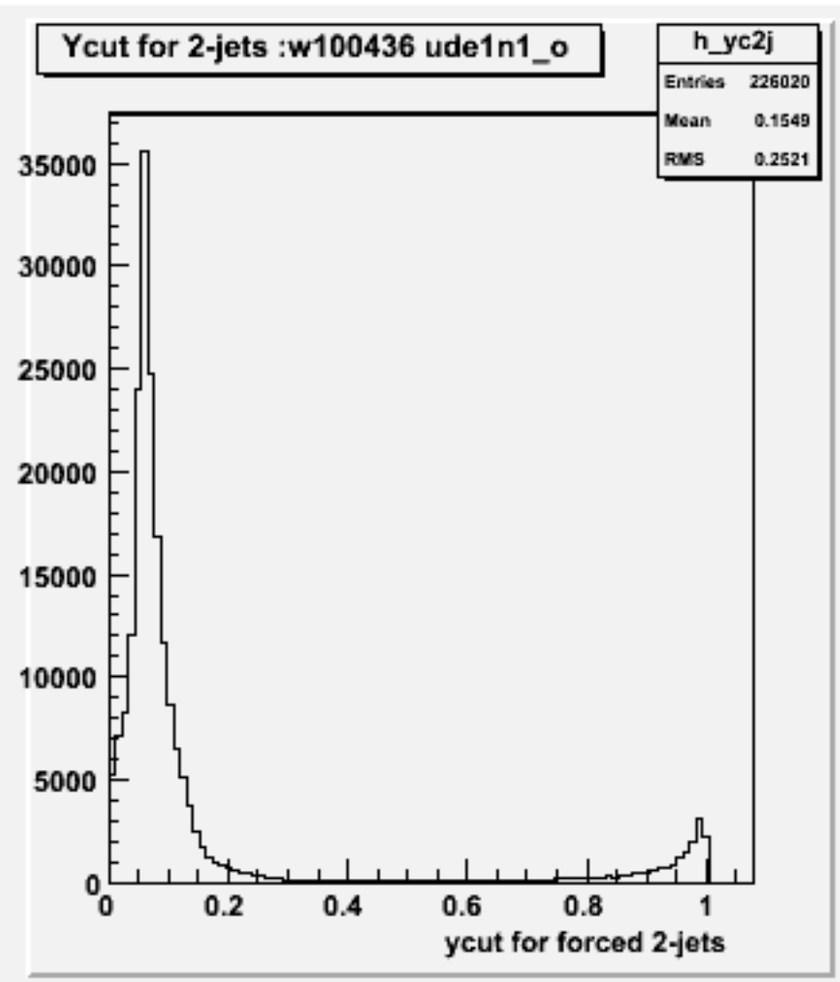

Pt Sum: w100436 ude1n1_o
h_pt
Entries 226020
Mean 42.6
RMS 29.09
Pt(sum) (GeV)

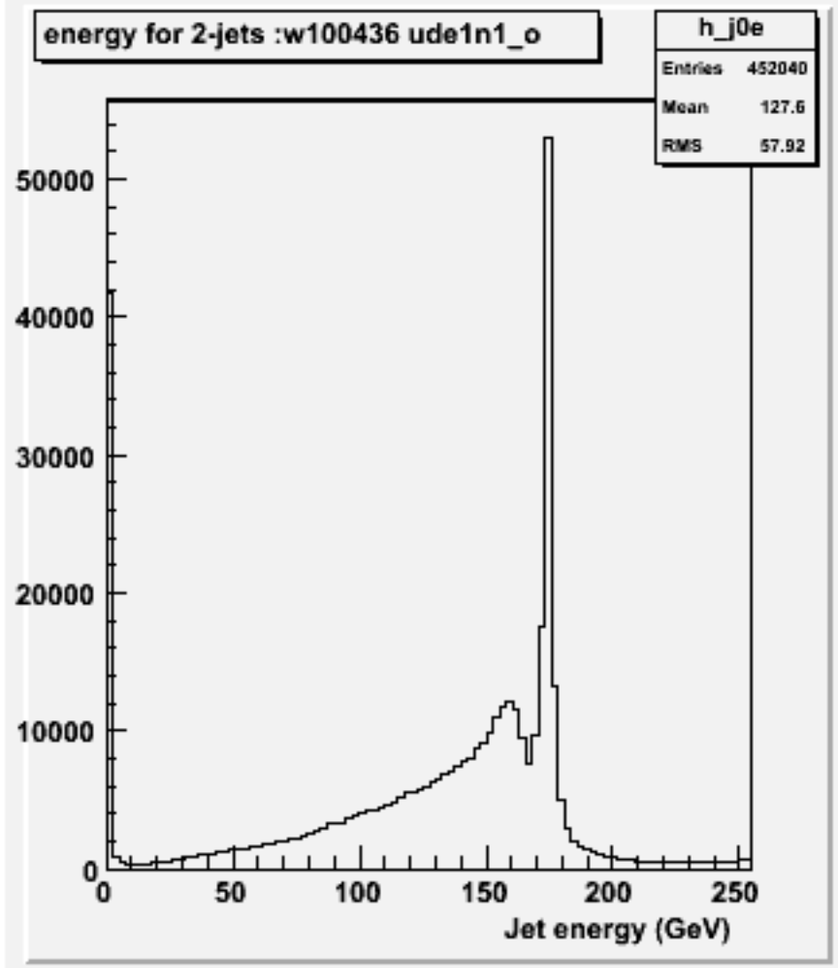

Pz Sum: w100436 ude1n1_o
h_pz
Entries 226020
Mean 0.7055
RMS 61.25
Pz(sum) (GeV)

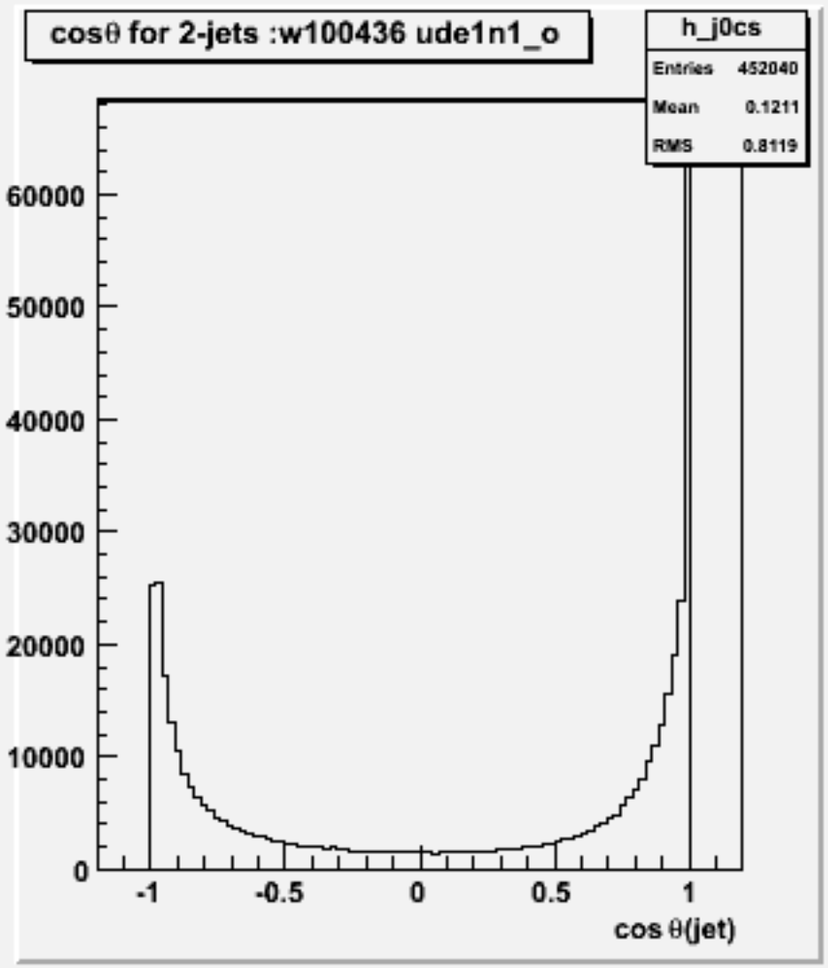

Thrust w100436 ude1n1_o
h_thrust
Entries 226020
Mean 0.8895
RMS 0.07082
Thrust

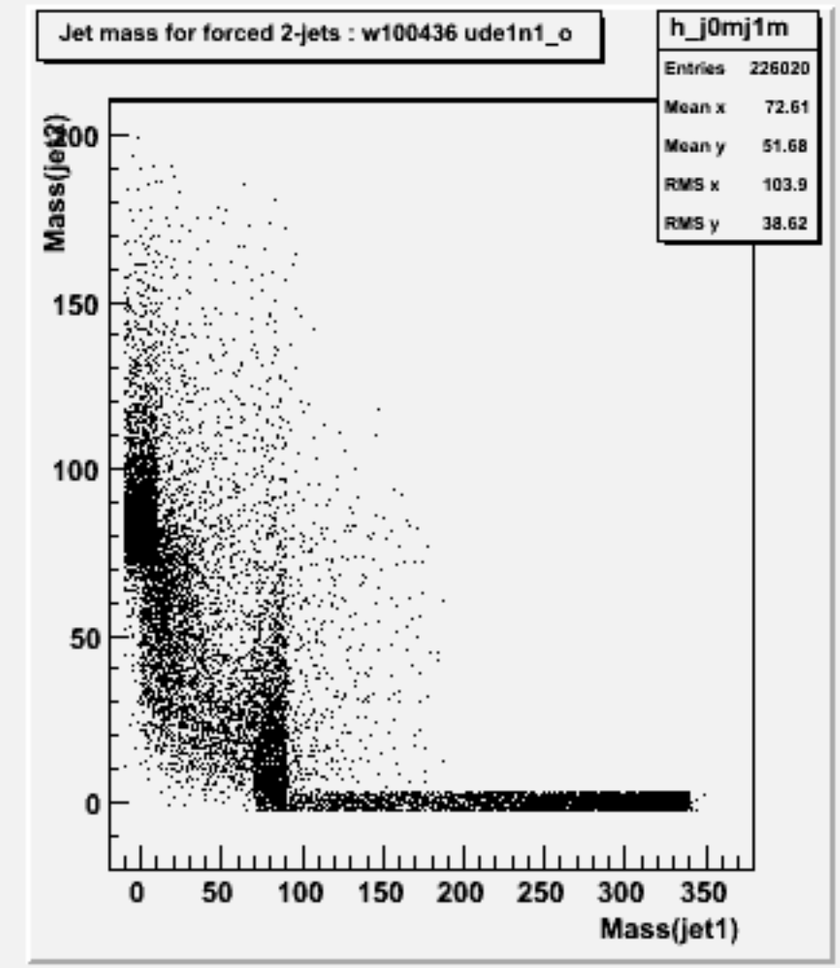

cosΘ(thrust) w100436 ude1n1_o
h_csth
Entries 226020
Mean -0.7111
RMS 0.448
Thrust

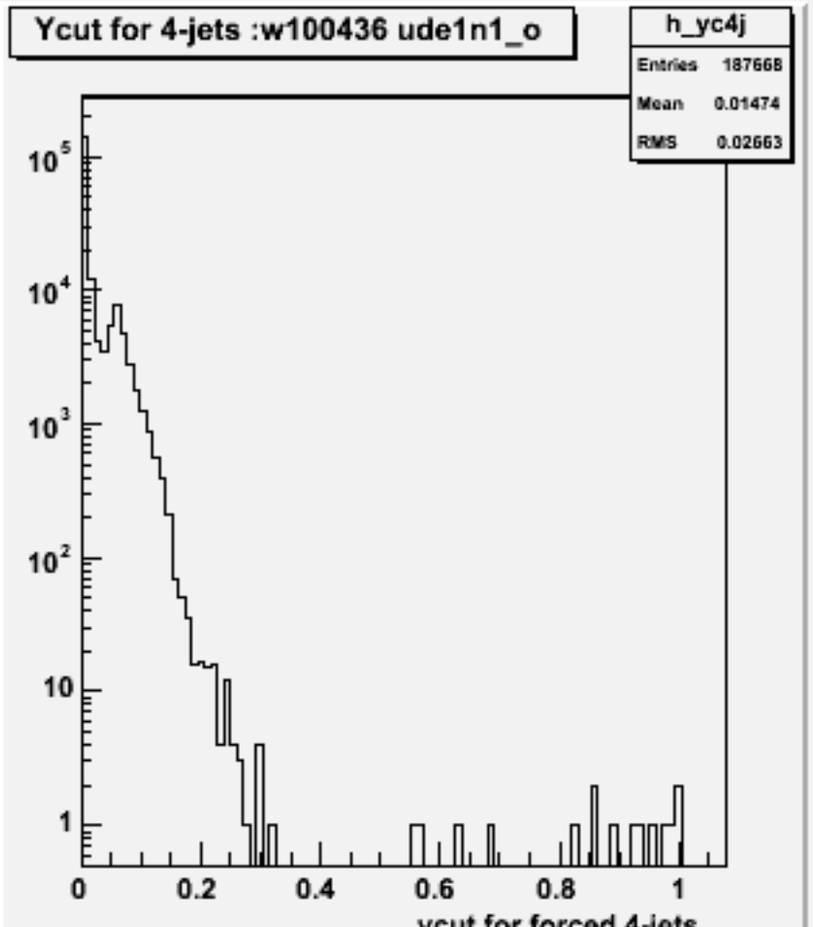

No. jets (ycut=0.001) : w100436 ude1n1_o
h_njets
Entries 226020
Mean 4.446
RMS 1.007
No. of jets

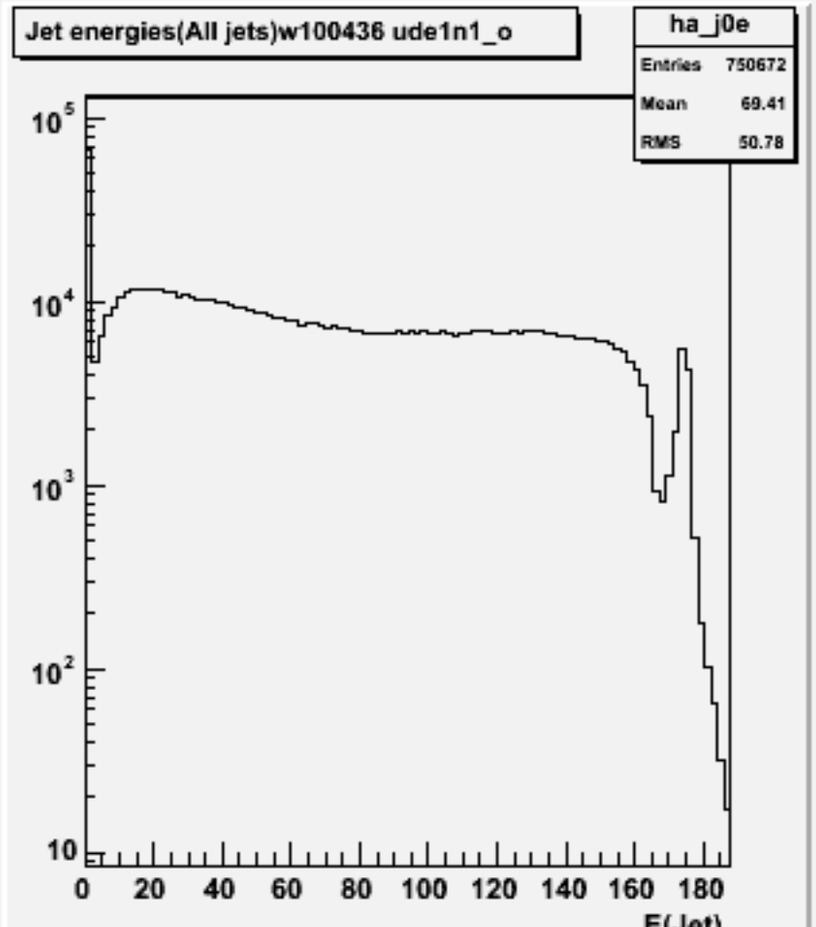

Ycut for 2-jets :w100436 ude1n1_o
h_yc2j
Entries 226020
Mean 0.1549
RMS 0.2521
ycut for forced 2-jets

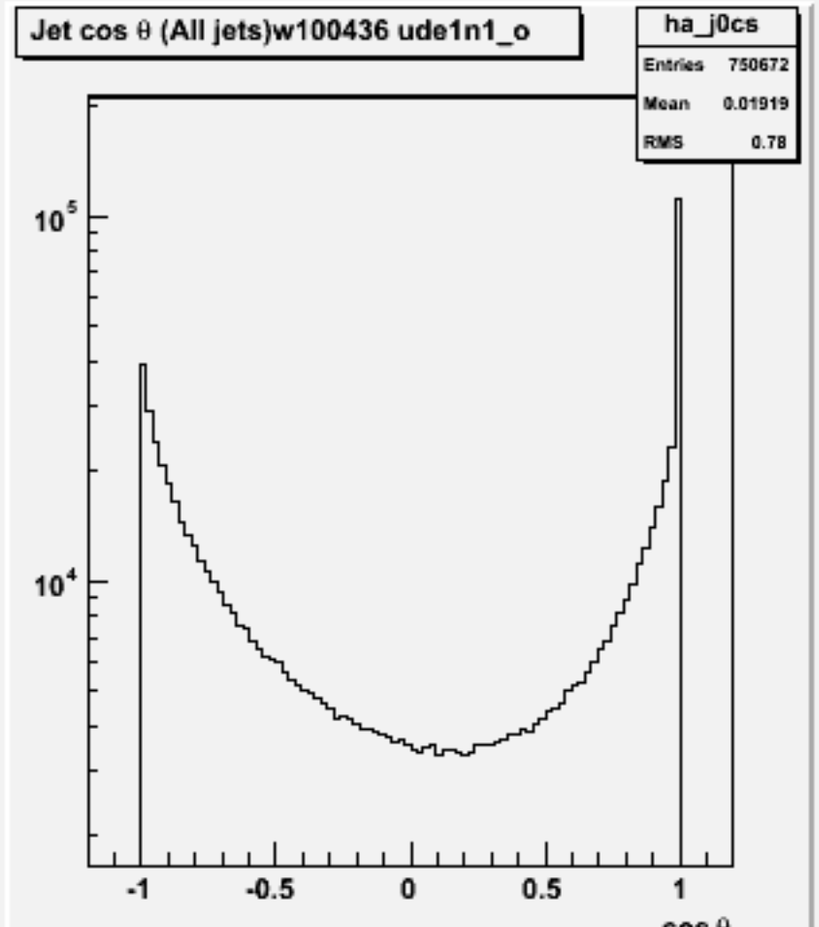

energy for 2-jets :w100436 ude1n1_o
h_j0e
Entries 452040
Mean 127.6
RMS 57.92
Jet energy (GeV)

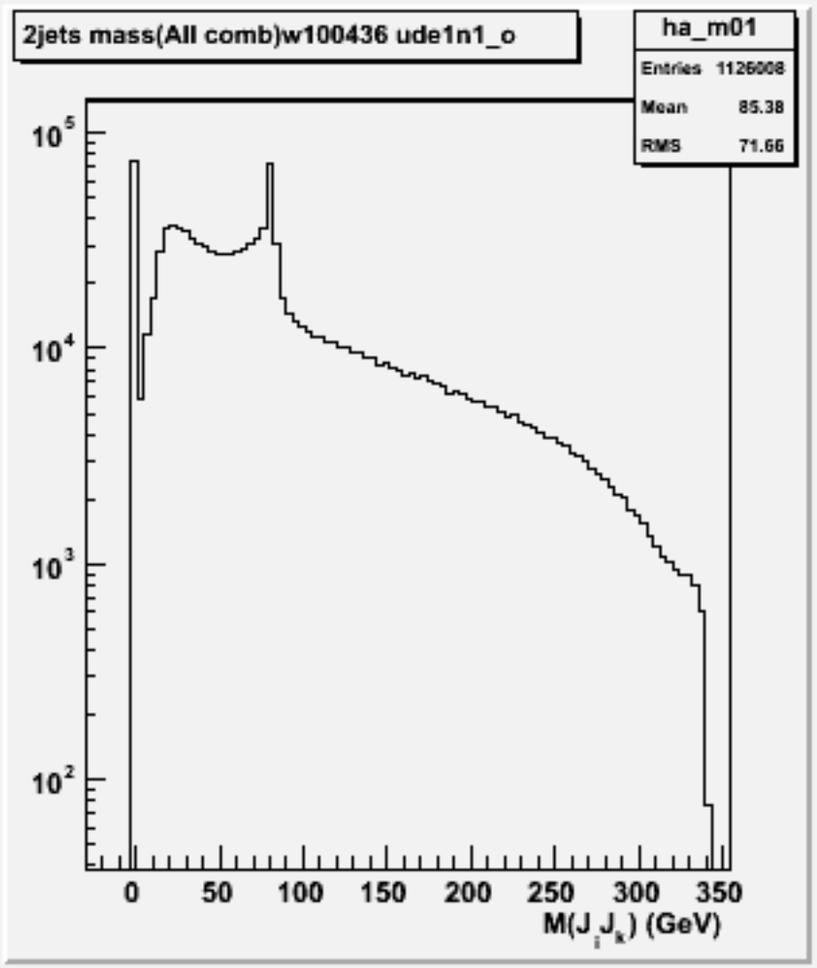

cosθ for 2-jets :w100436 ude1n1_o
h_j0cs
Entries 452040
Mean 0.1211
RMS 0.8119
cos θ(jet)

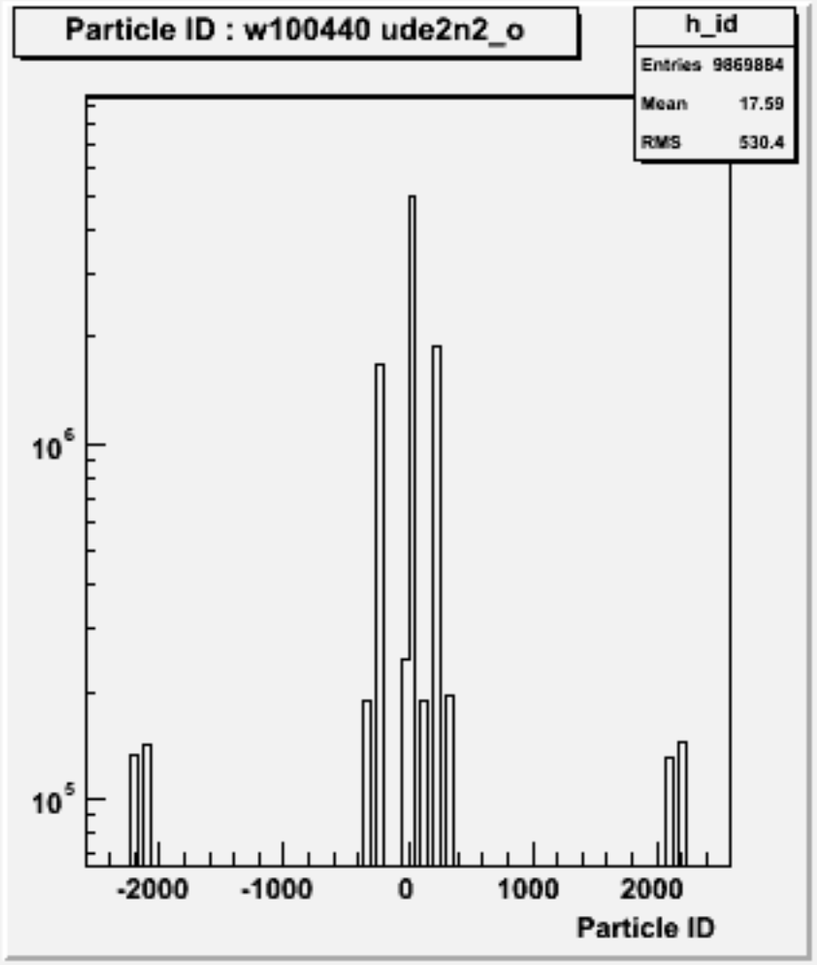

Jet mass for forced 2-jets : w100436 ude1n1_o
h_j0mj1m
Entries 226020
Mean x 72.61
Mean y 51.68
RMS x 103.9
RMS y 38.62
Mass(jet2)
Mass(jet1)

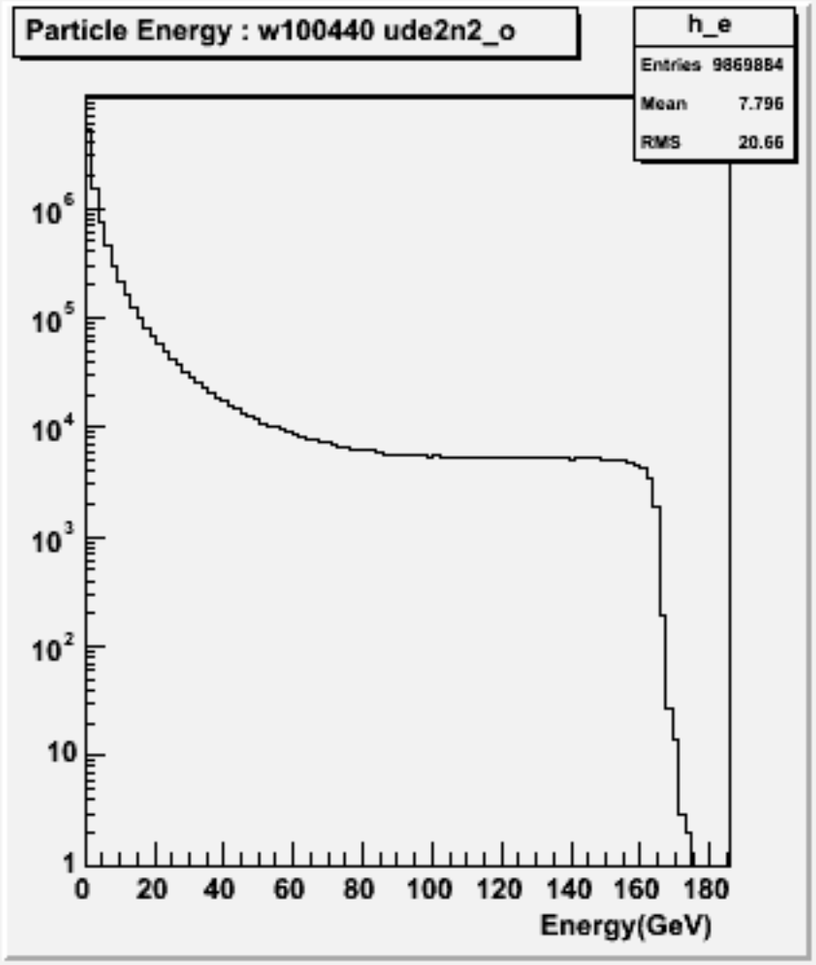

Ycut for 4-jets :w100436 ude1n1_o
h_yc4j
Entries 187668
Mean 0.01474
RMS 0.02663
ycut for forced 4-jets

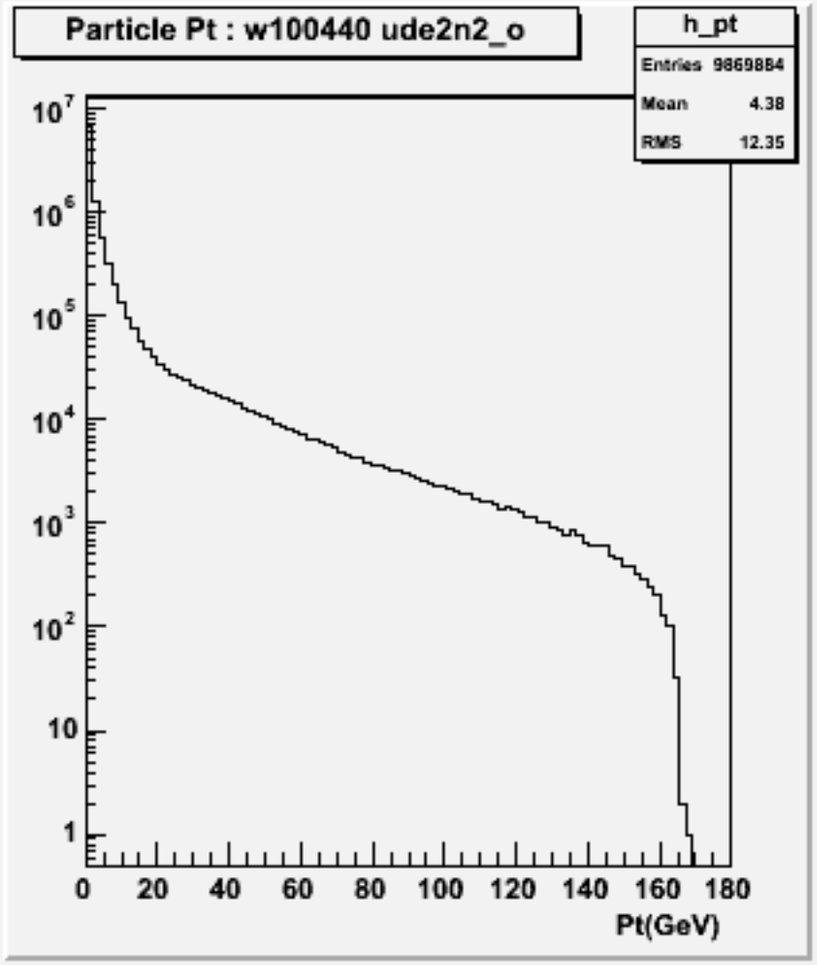

Jet energies(All jets)w100436 ude1n1_o
ha_j0e
Entries 750672
Mean 69.41
RMS 50.78
E(Jet)

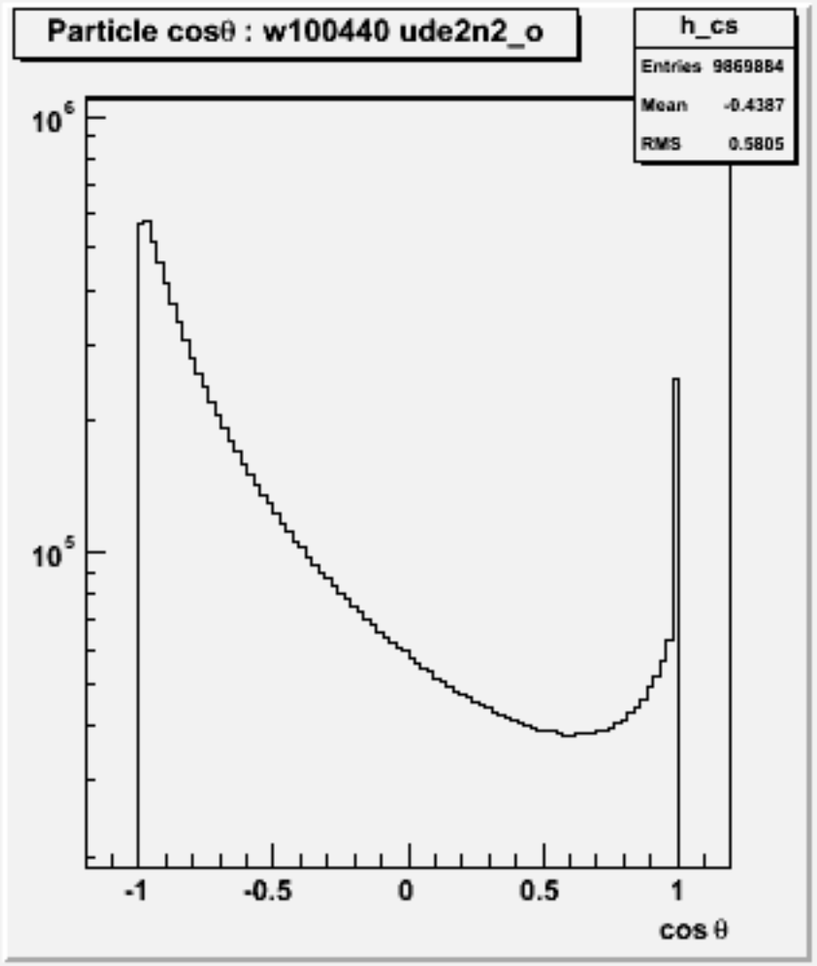

Jet cos θ (All jets)w100436 ude1n1_o
ha_j0cs
Entries 750672
Mean 0.01919
RMS 0.78
cos θ

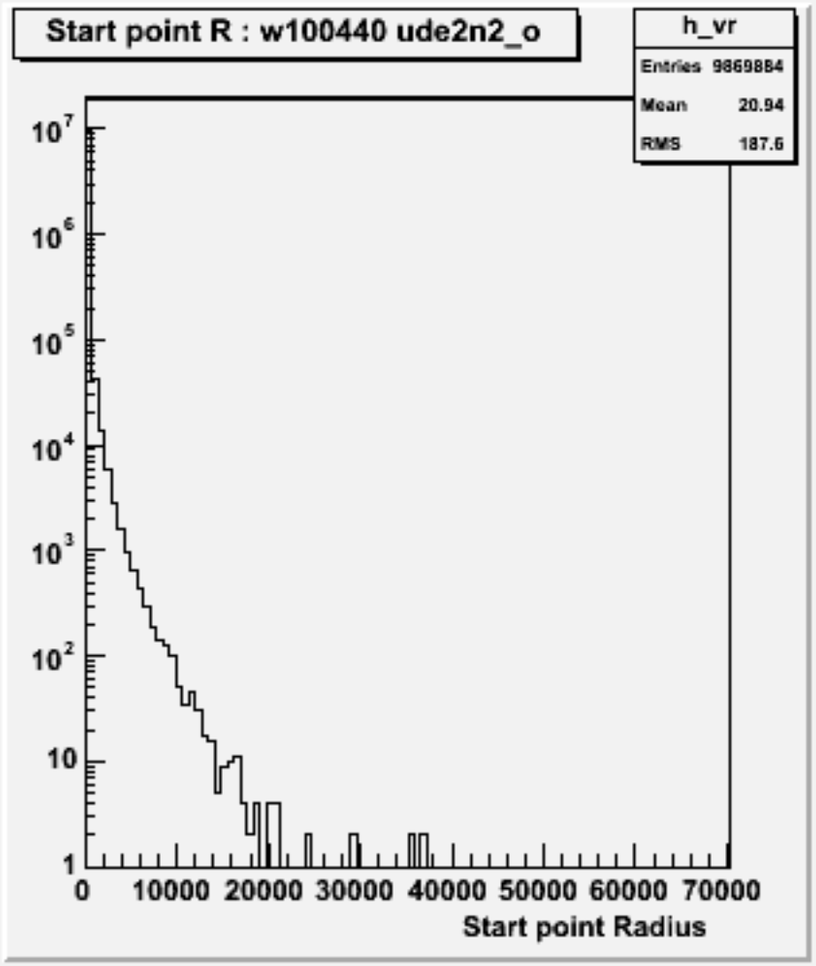

2jets mass(All comb)w100436 ude1n1_o
ha_m01
Entries 1126008
Mean 85.38
RMS 71.66
M(J_iJ_k) (GeV)

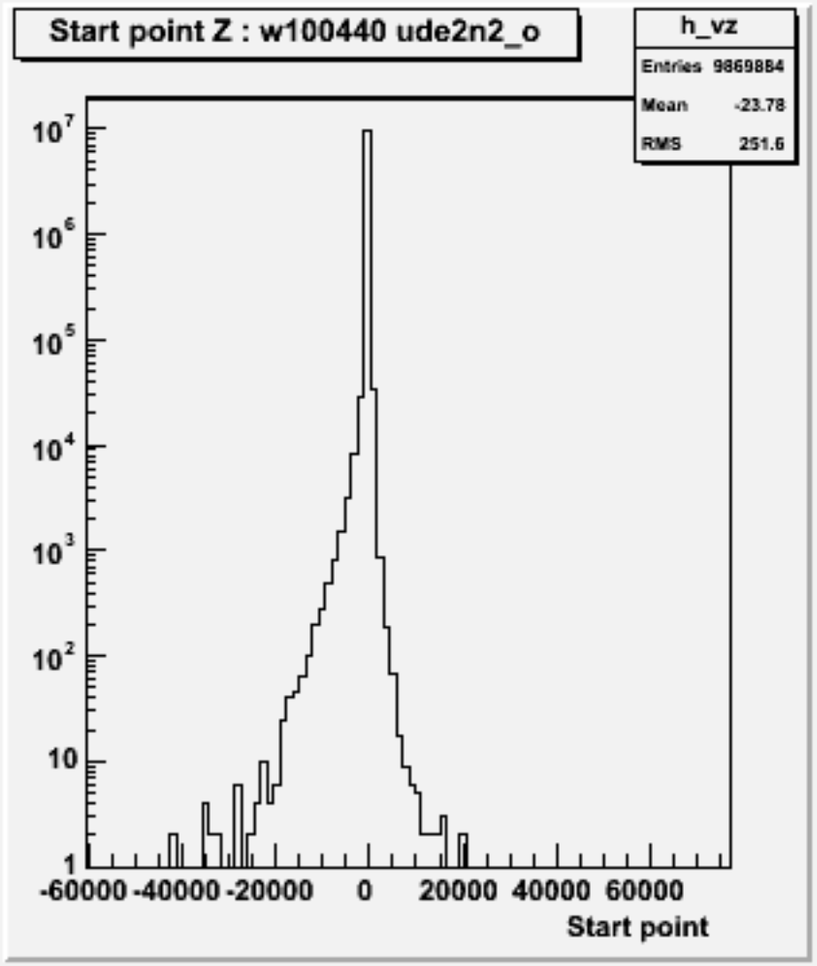

Particle ID : w100440 ude2n2_o
h_id
Entries 9869884
Mean 17.59
RMS 530.4
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

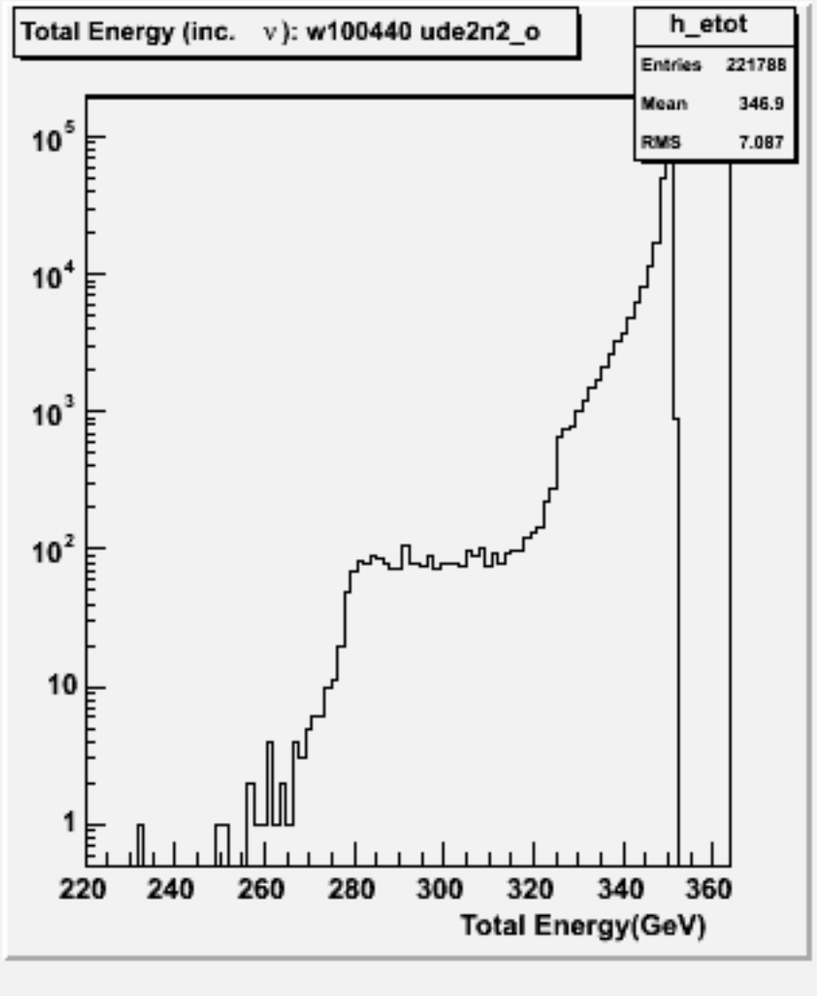

Particle Energy : w100440 ude2n2_o
h_e
Entries 9869884
Mean 7.796
RMS 20.66
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

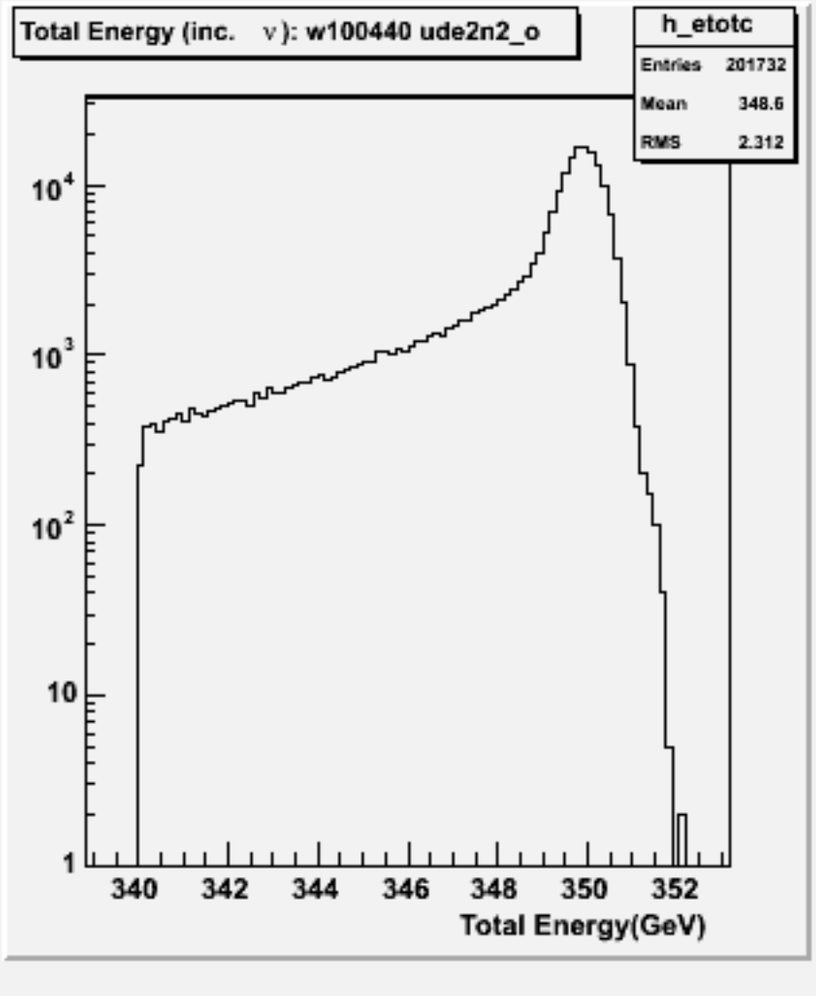

Particle Pt : w100440 ude2n2_o
h_pt
Entries 9869884
Mean 4.38
RMS 12.35
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

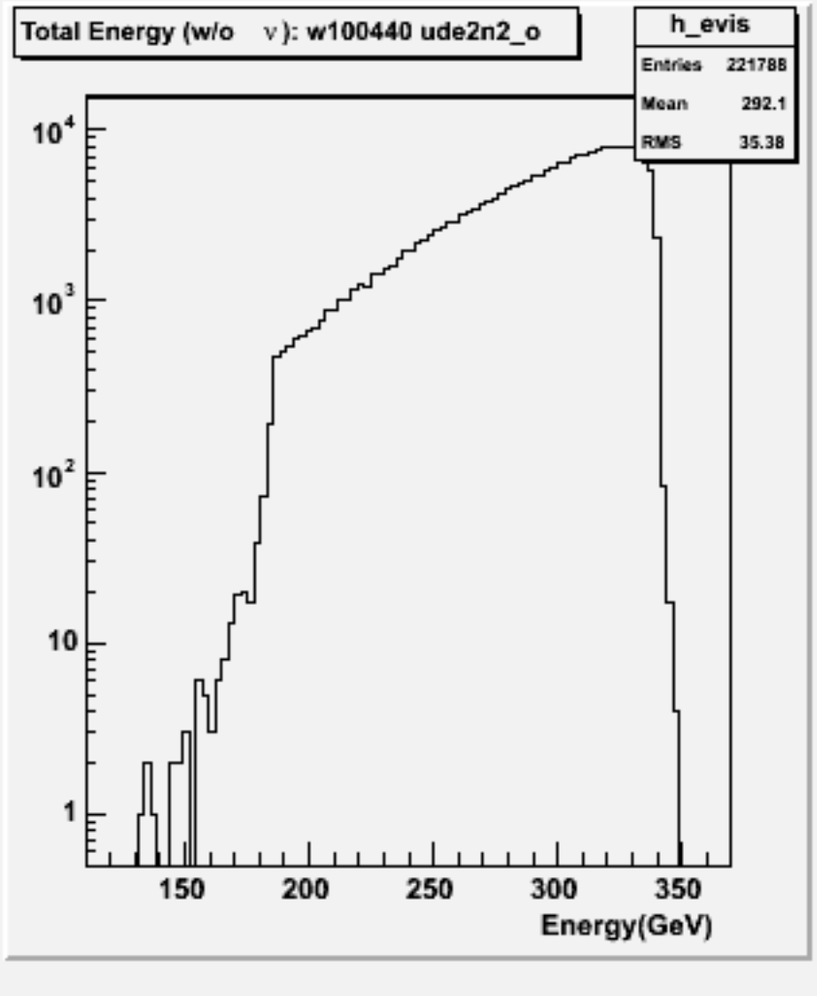

Particle cosθ : w100440 ude2n2_o
h_cs
Entries 9869884
Mean -0.4387
RMS 0.5805
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

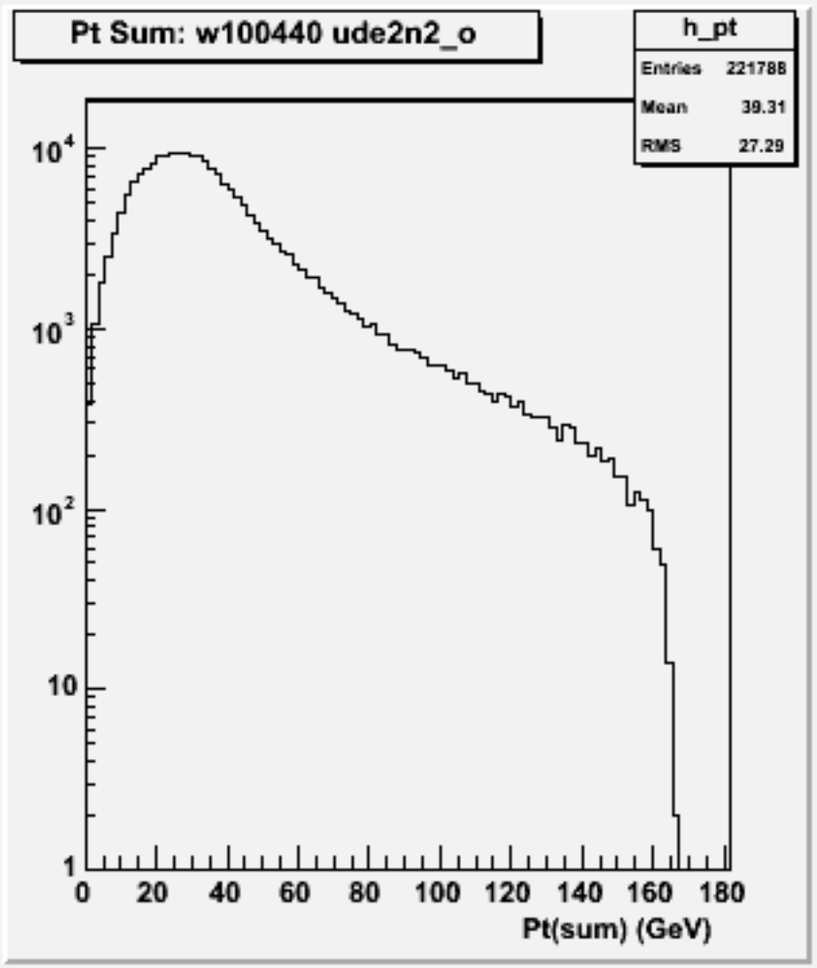

Start point R : w100440 ude2n2_o
h_vr
Entries 9869884
Mean 20.94
RMS 187.6
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
60000
70000
Start point Radius

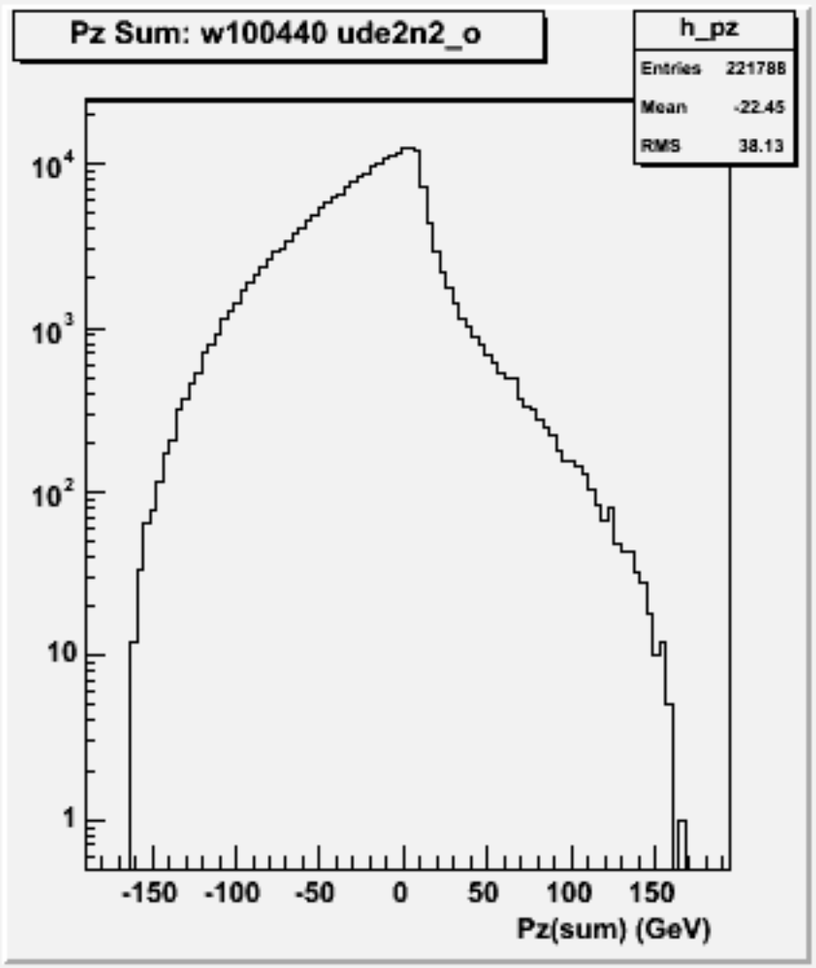

Start point Z : w100440 ude2n2_o
h_vz
Entries 9869884
Mean -23.78
RMS 251.6
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-60000
-40000
-20000
0
20000
40000
60000
Start point

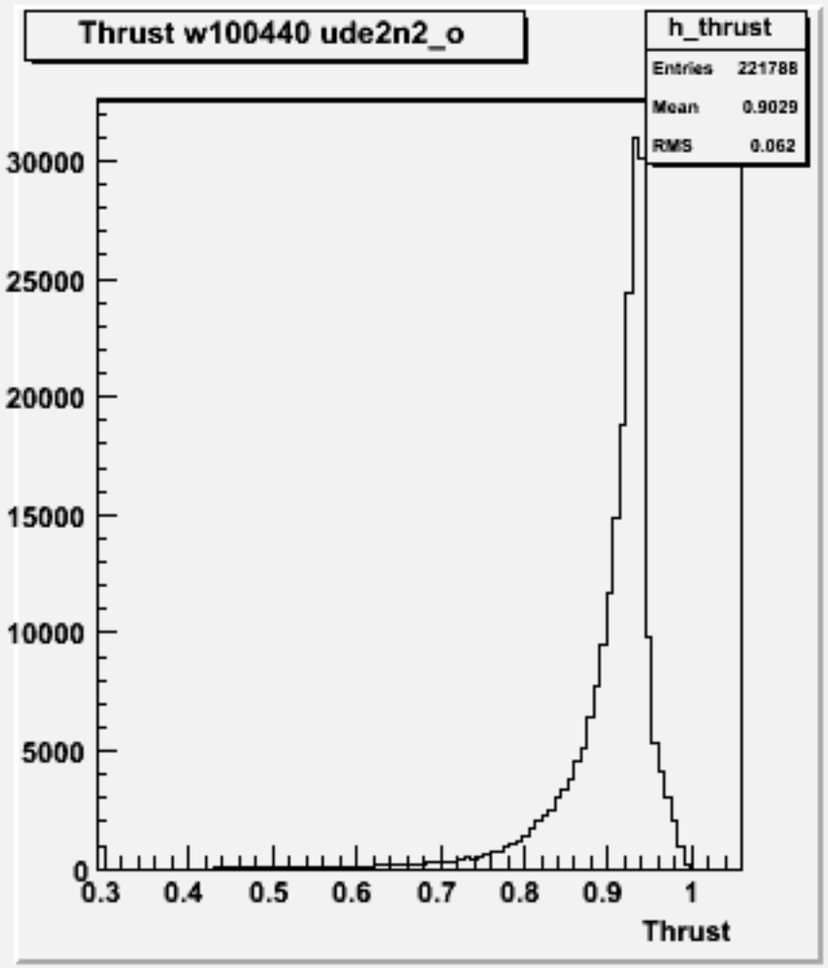

Total Energy (inc. ν): w100440 ude2n2_o
h_etot
Entries 221788
Mean 346.9
RMS 7.087
Total Energy(GeV)

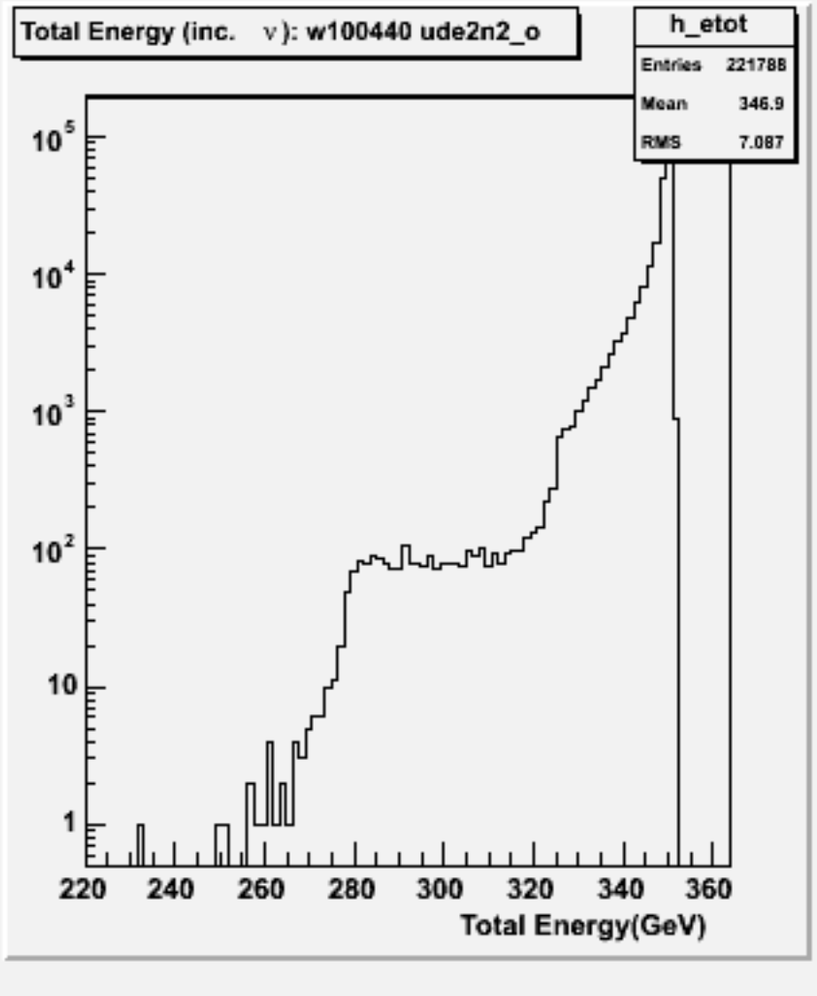

Total Energy (inc. ν): w100440 ude2n2_o
h_etotc
Entries 201732
Mean 348.6
RMS 2.312
Total Energy(GeV)

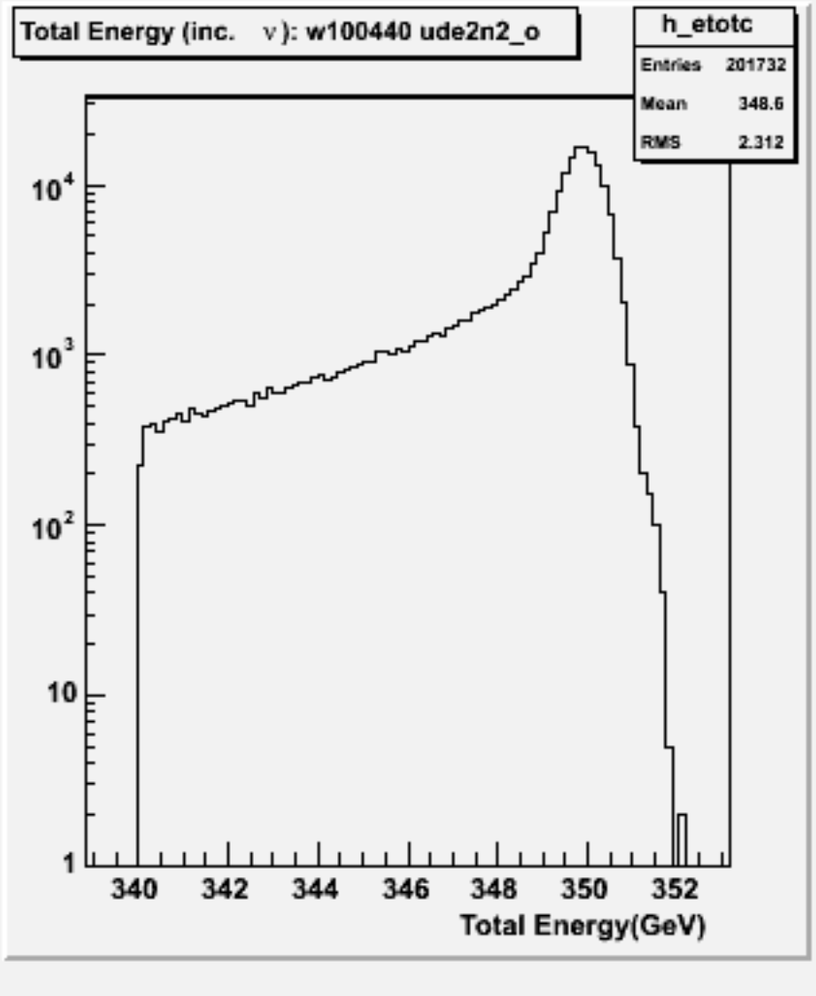

Total Energy (w/o ν): w100440 ude2n2_o
h_evis
Entries 221788
Mean 292.1
RMS 35.38
Energy(GeV)

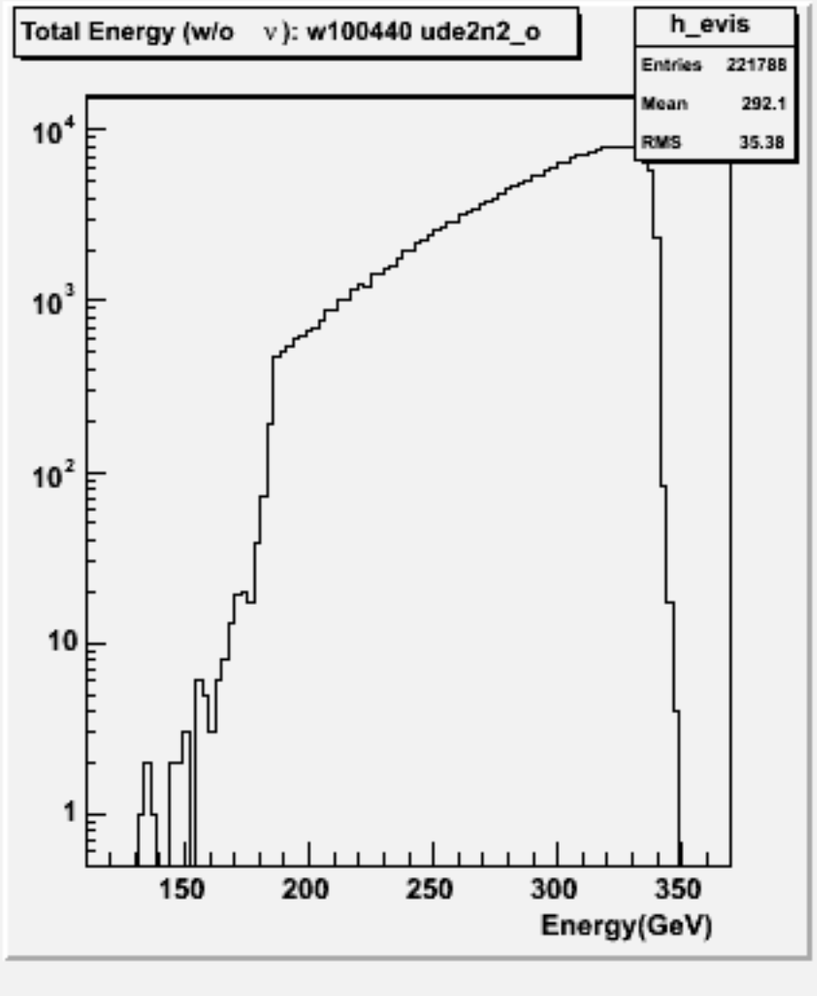

Pt Sum: w100440 ude2n2_o
h_pt
Entries 221788
Mean 39.31
RMS 27.29
Pt(sum) (GeV)

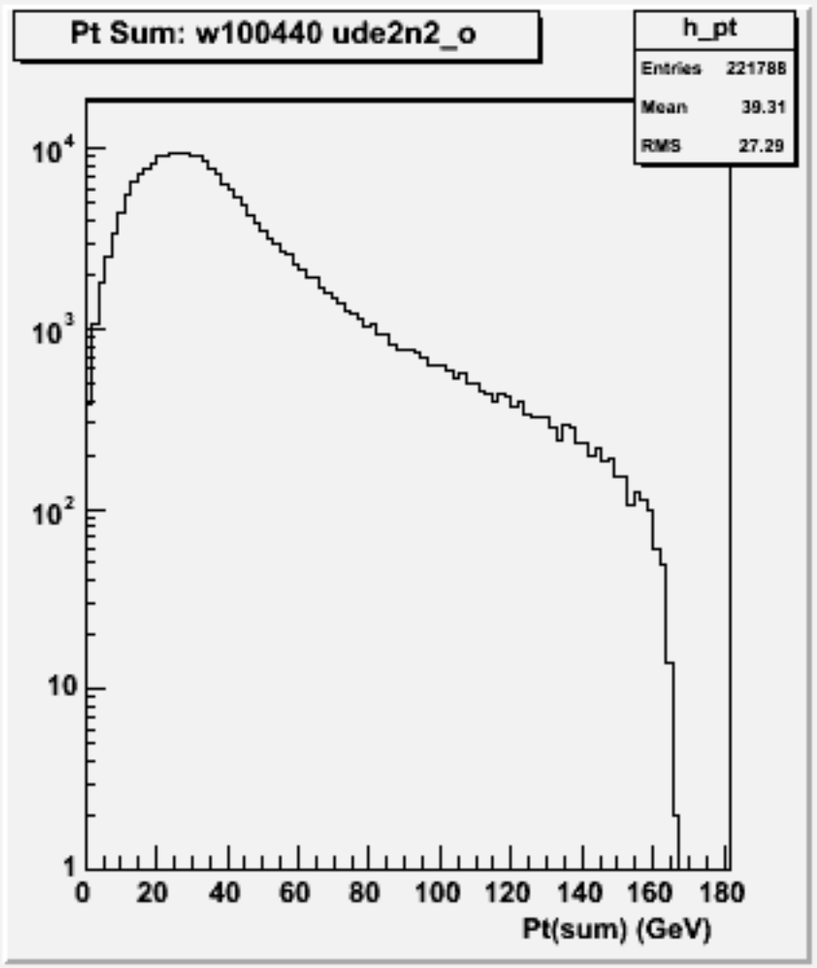

Pz Sum: w100440 ude2n2_o
h_pz
Entries 221788
Mean -22.45
RMS 38.13
Pz(sum) (GeV)

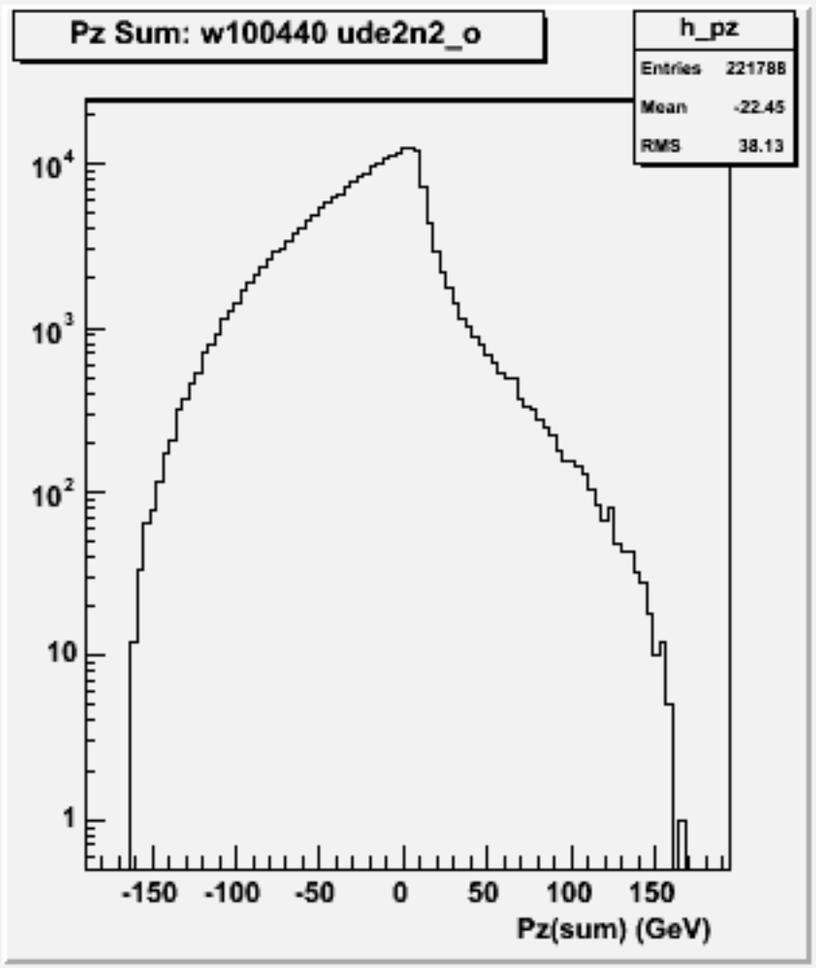

Thrust w100440 ude2n2_o
h_thrust
Entries 221788
Mean 0.9029
RMS 0.062
Thrust

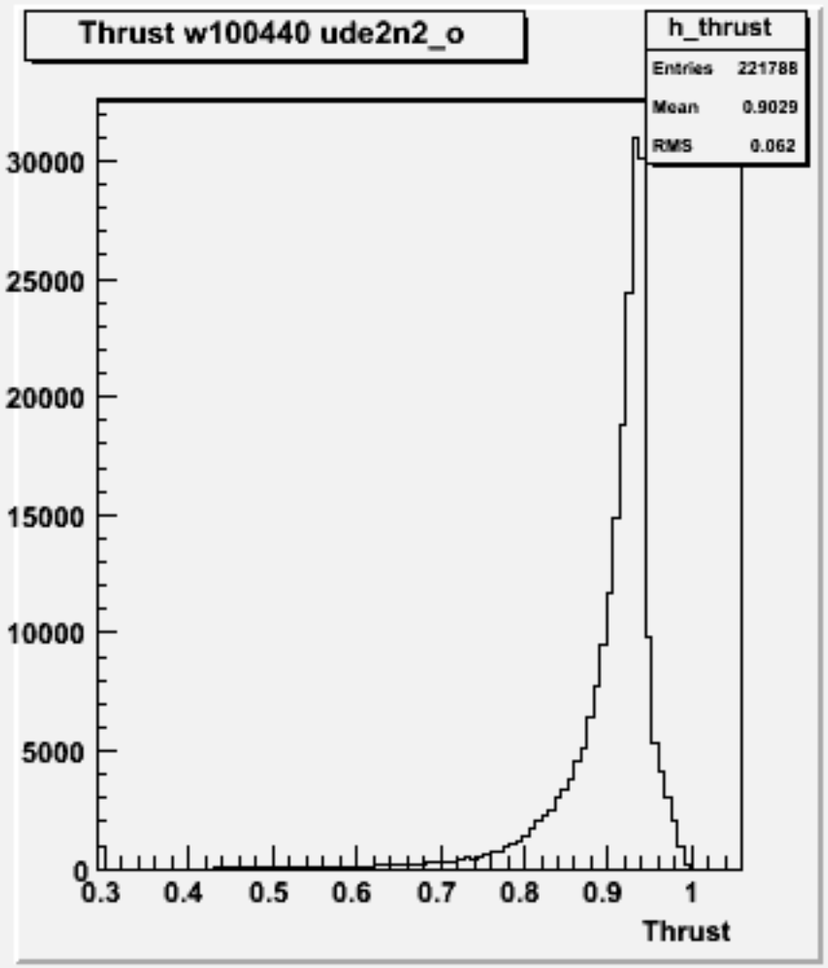

Total Energy (inc. ν): w100440 ude2n2_o
h_etot
Entries 221788
Mean 346.9
RMS 7.087
Total Energy(GeV)

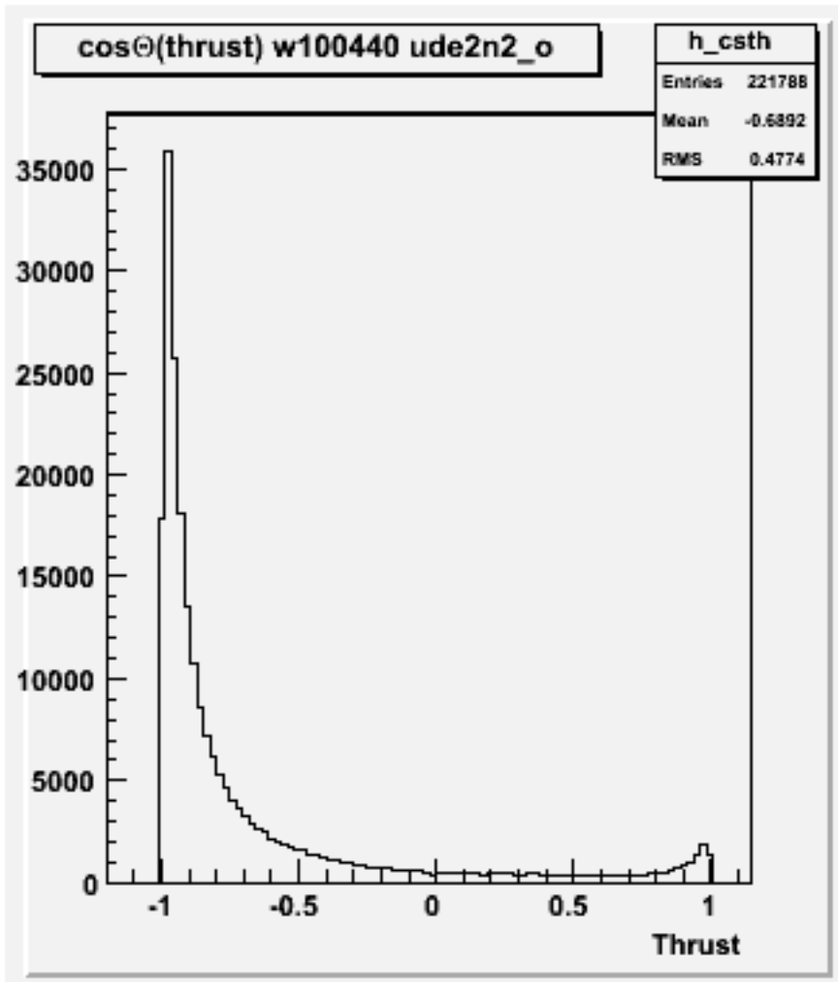

Total Energy (inc. ν): w100440 ude2n2_o
h_etotc
Entries 201732
Mean 348.6
RMS 2.312
Total Energy(GeV)

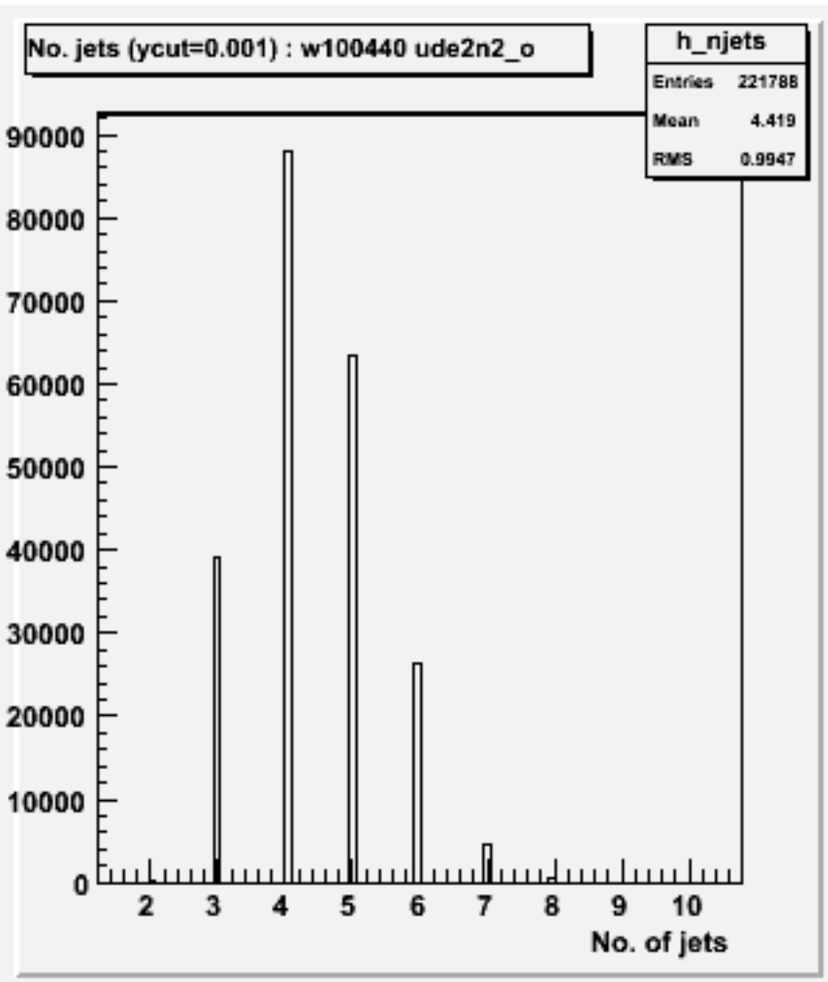

Total Energy (w/o ν): w100440 ude2n2_o
h_evis
Entries 221788
Mean 292.1
RMS 35.38
Energy(GeV)

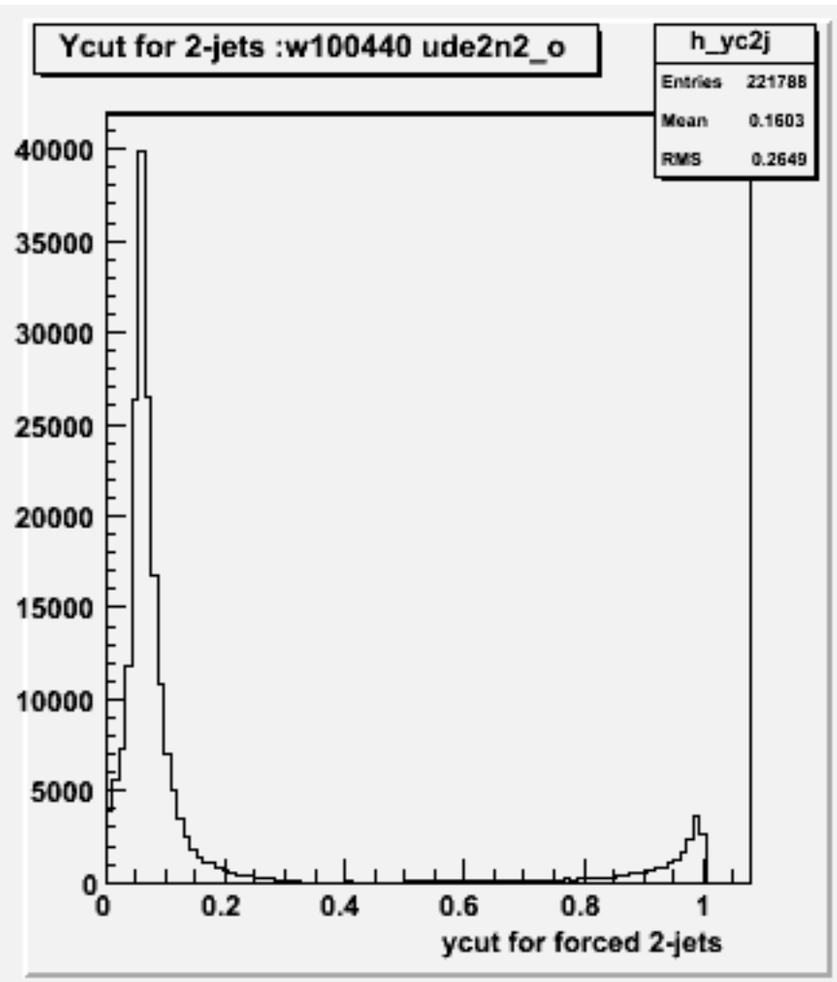

Pt Sum: w100440 ude2n2_o
h_pt
Entries 221788
Mean 39.31
RMS 27.29
Pt(sum) (GeV)

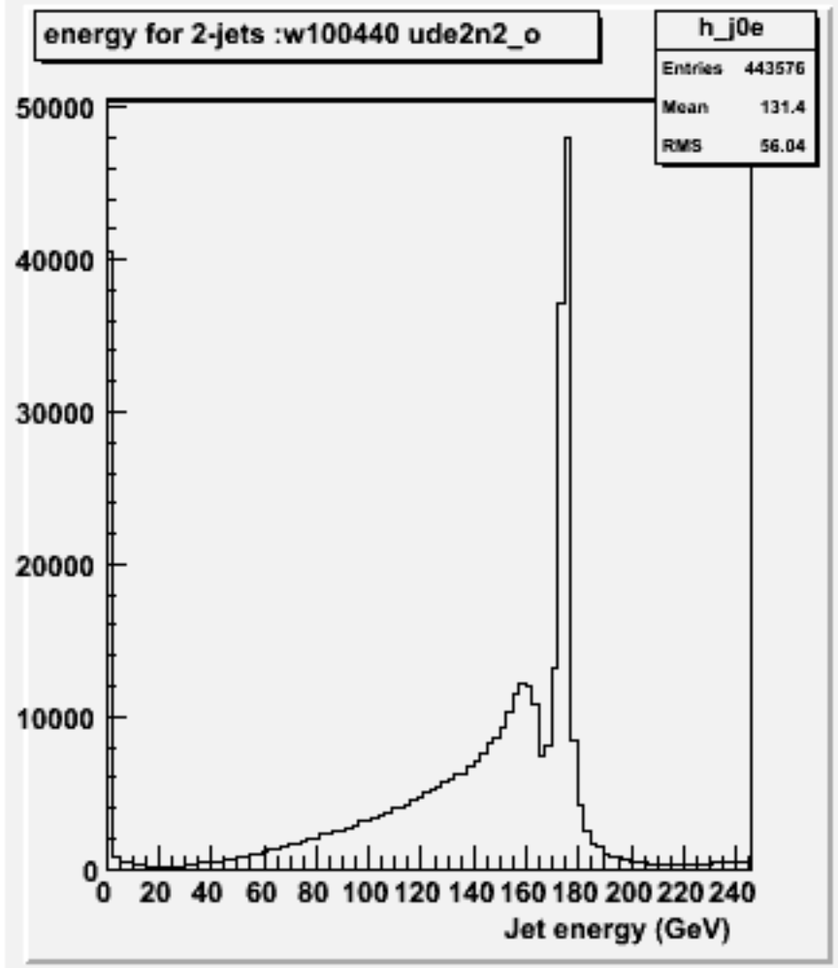

Pz Sum: w100440 ude2n2_o
h_pz
Entries 221788
Mean -22.45
RMS 38.13
Pz(sum) (GeV)

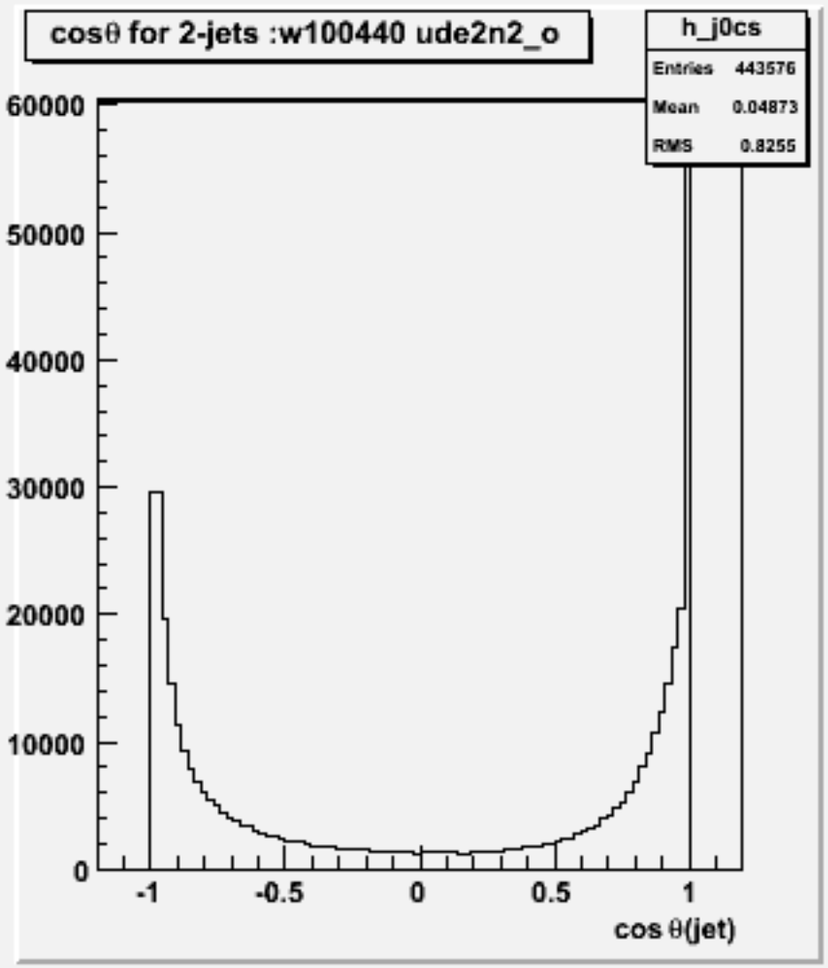

Thrust w100440 ude2n2_o
h_thrust
Entries 221788
Mean 0.9029
RMS 0.062
Thrust

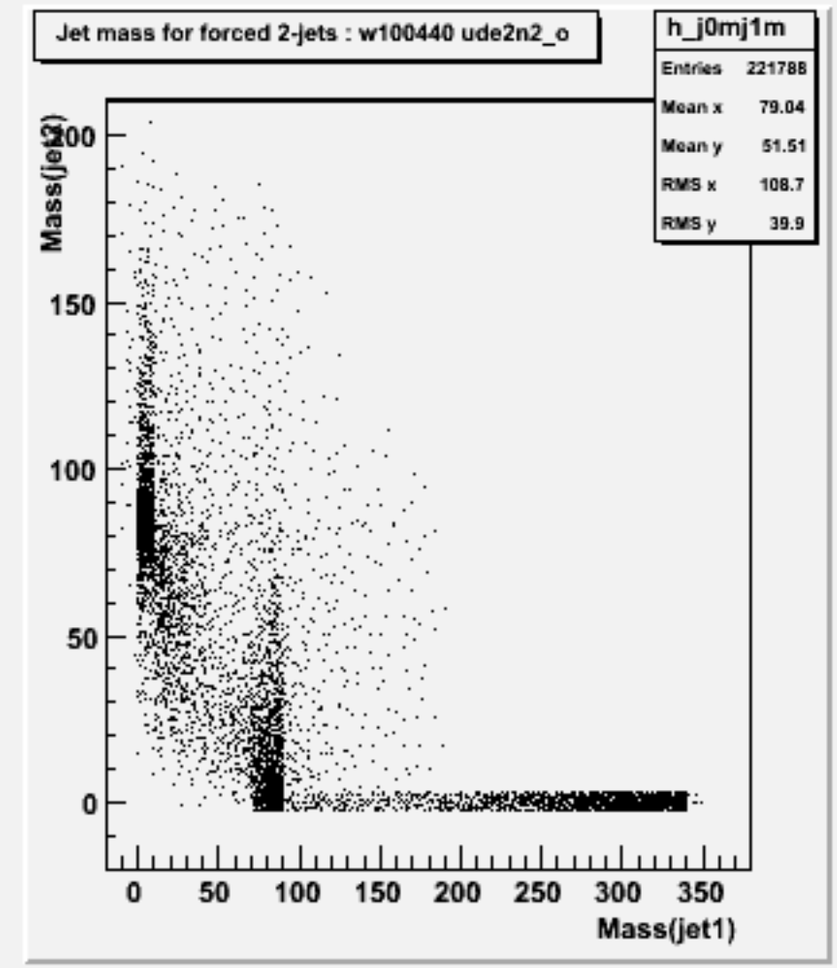

cosΘ(thrust) w100440 ude2n2_o
h_csth
Entries 221788
Mean -0.6892
RMS 0.4774
Thrust

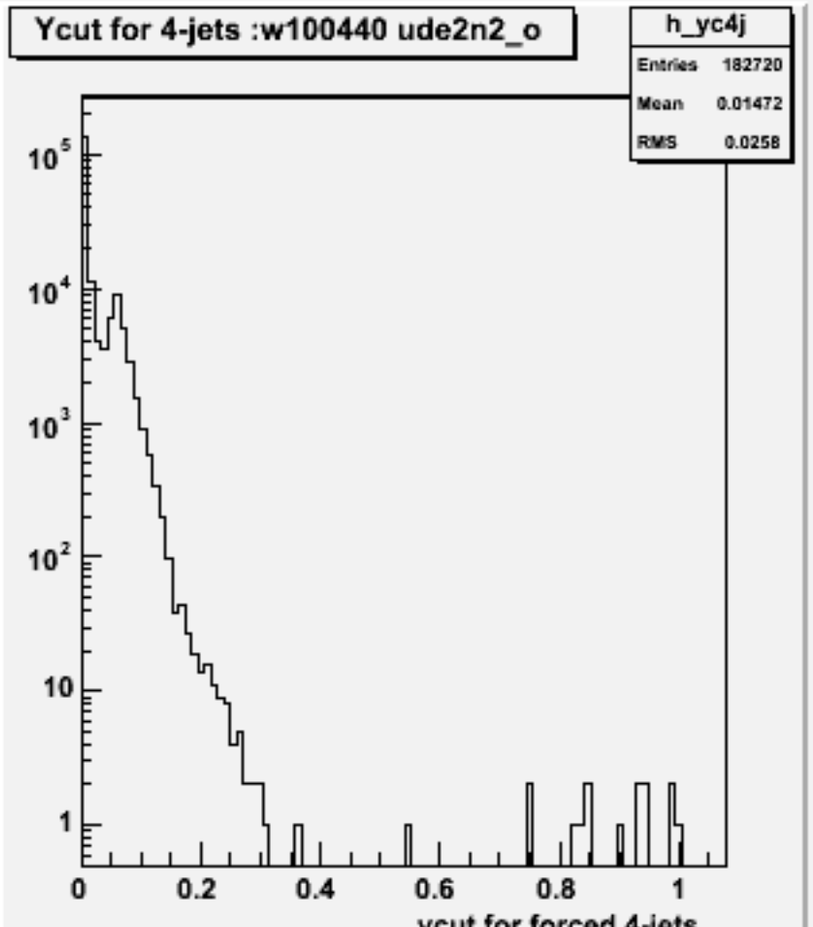

No. jets (ycut=0.001) : w100440 ude2n2_o
h_njets
Entries 221788
Mean 4.419
RMS 0.9947
No. of jets

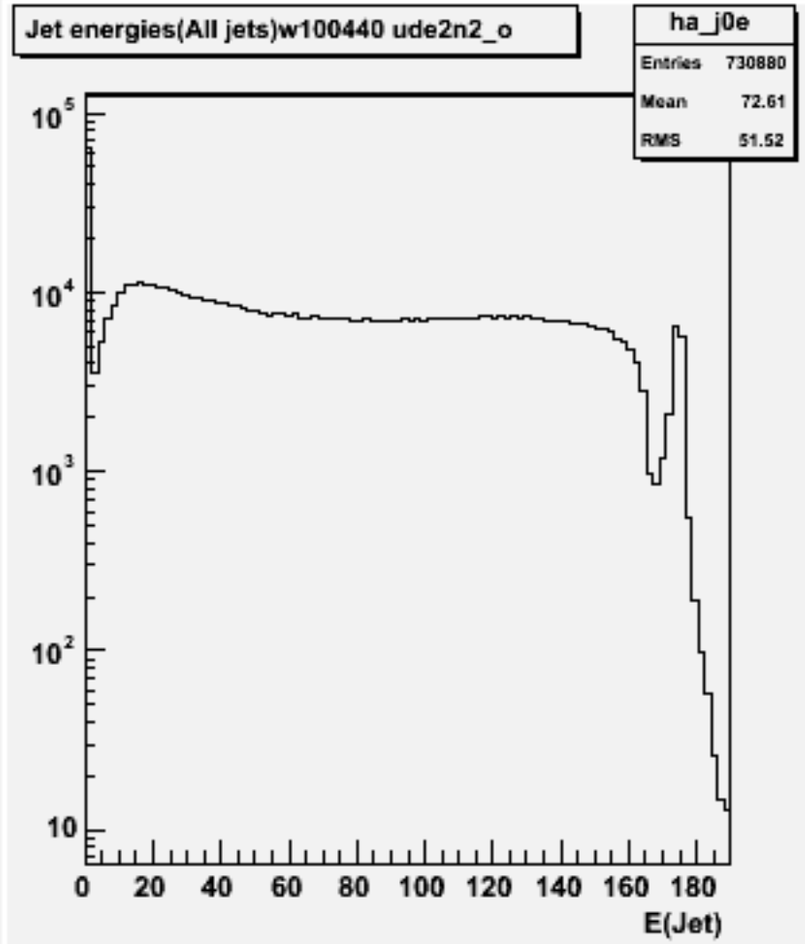

Ycut for 2-jets :w100440 ude2n2_o
h_yc2j
Entries 221788
Mean 0.1603
RMS 0.2649
ycut for forced 2-jets

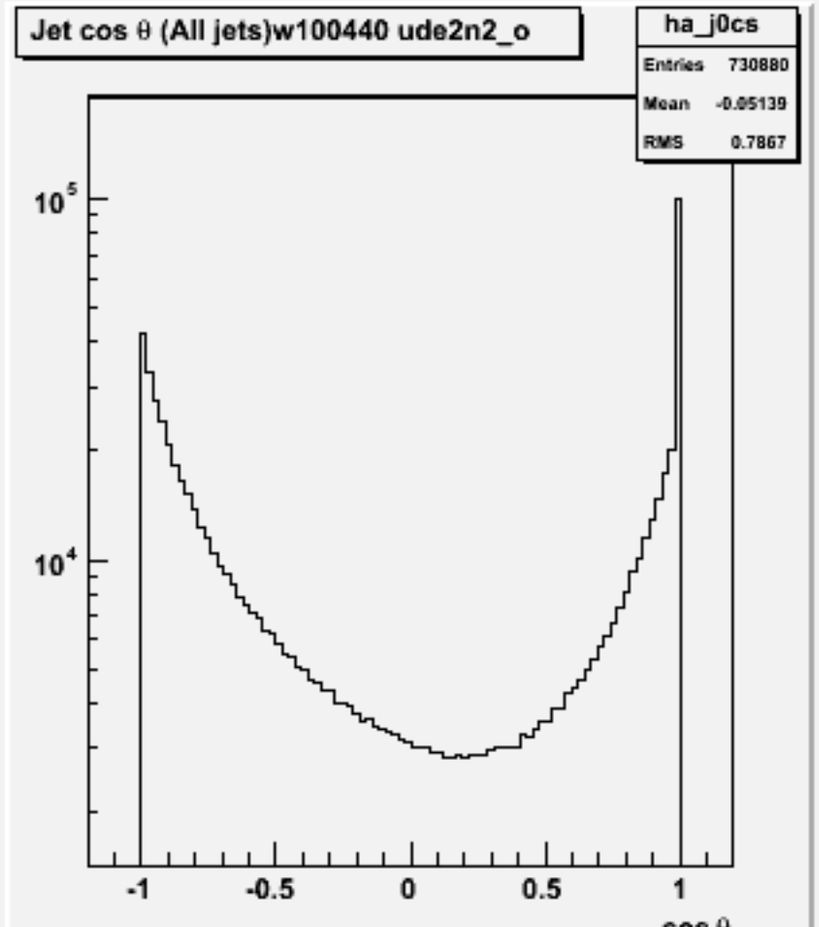

energy for 2-jets :w100440 ude2n2_o
h_j0e
Entries 443576
Mean 131.4
RMS 56.04
Jet energy (GeV)

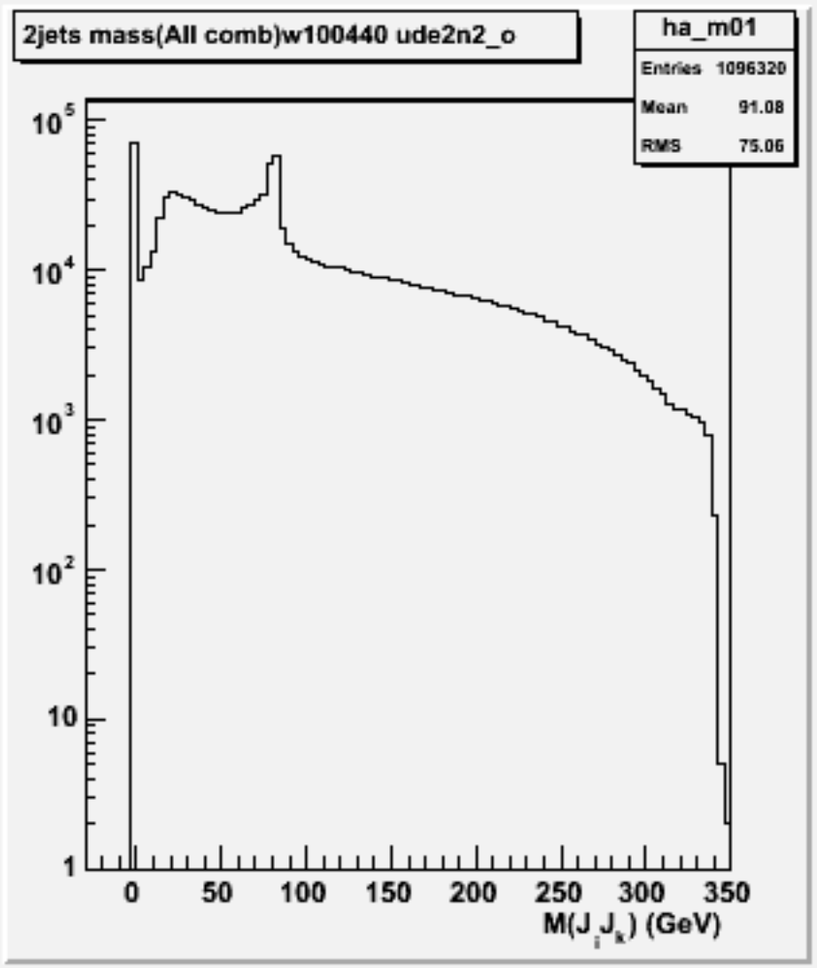

cosθ for 2-jets :w100440 ude2n2_o
h_j0cs
Entries 443576
Mean 0.04873
RMS 0.8255
cos θ(jet)

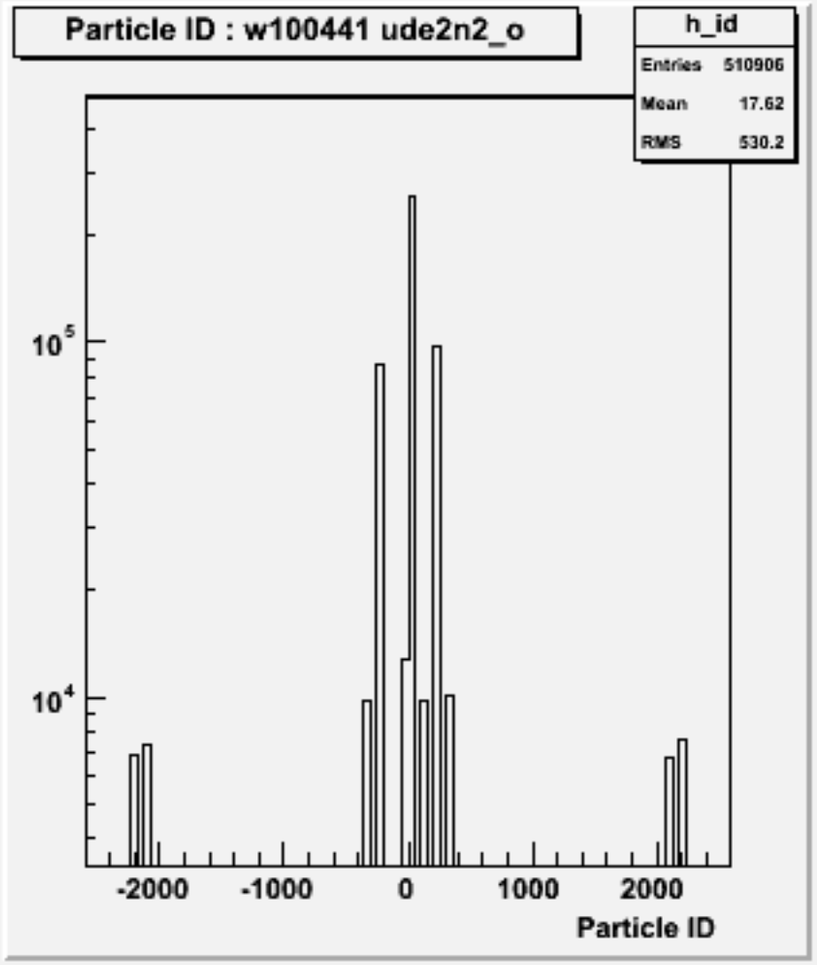

Jet mass for forced 2-jets : w100440 ude2n2_o
h_j0mj1m
Entries 221788
Mean x 79.04
Mean y 51.51
RMS x 108.7
RMS y 39.9
Mass(jet2)
Mass(jet1)

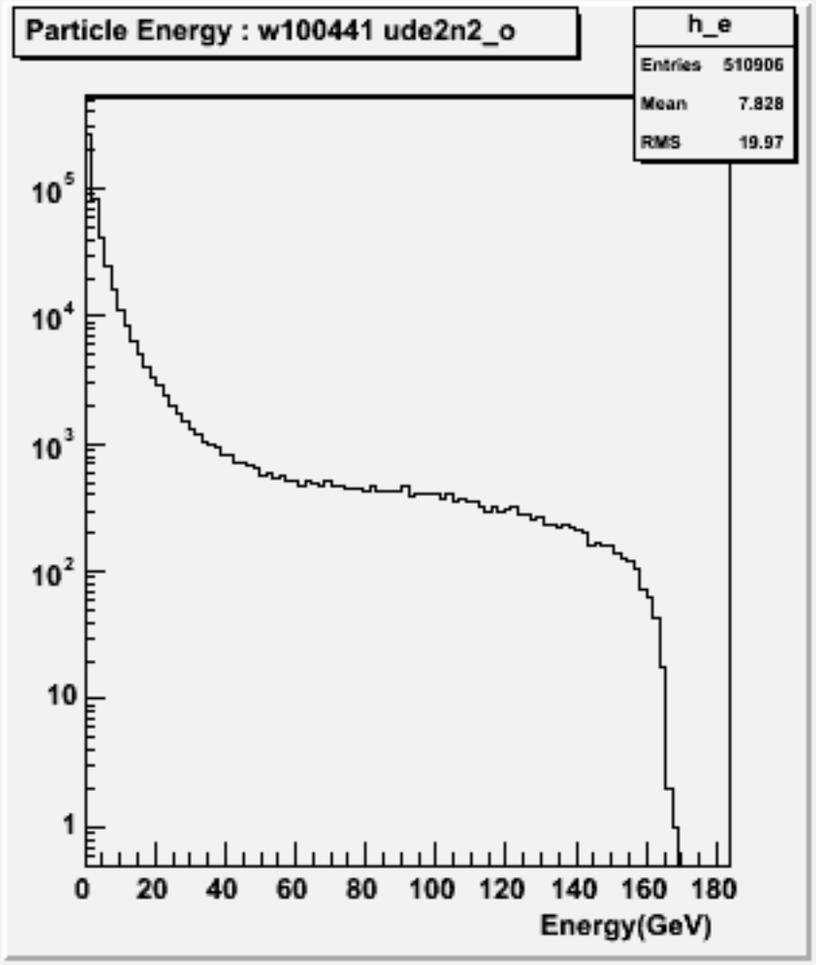

Ycut for 4-jets :w100440 ude2n2_o
h_yc4j
Entries 182720
Mean 0.01472
RMS 0.0258
ycut for forced 4-jets

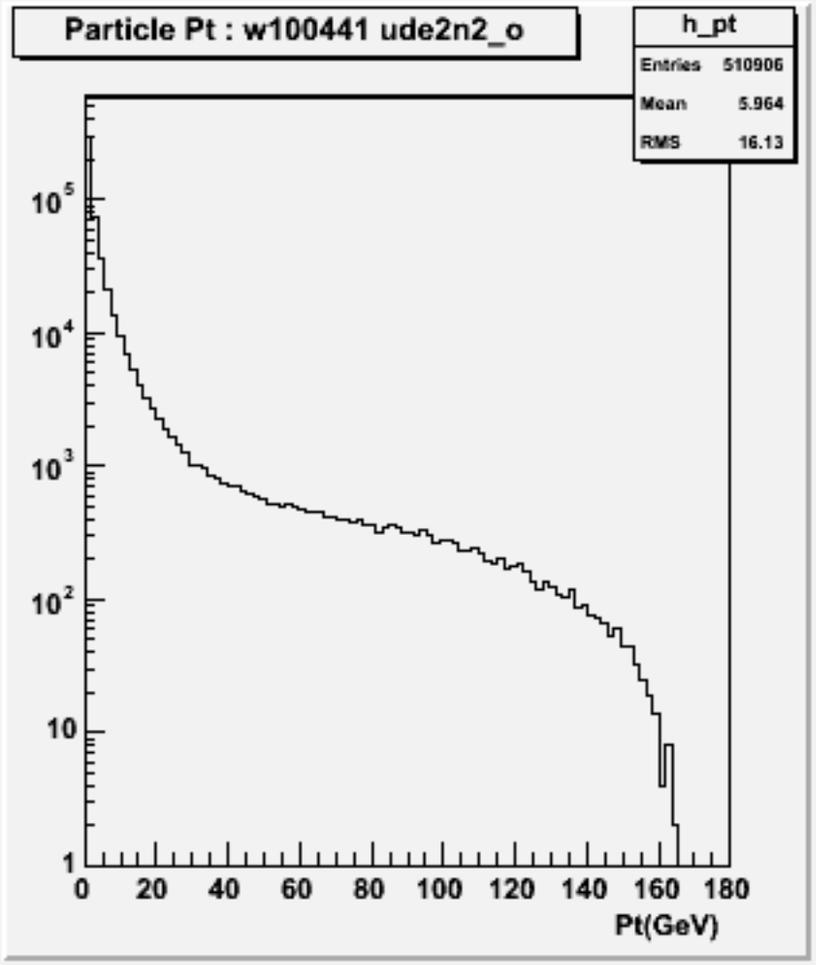

Jet energies(All jets)w100440 ude2n2_o
ha_j0e
Entries 730880
Mean 72.61
RMS 51.52
E(Jet)

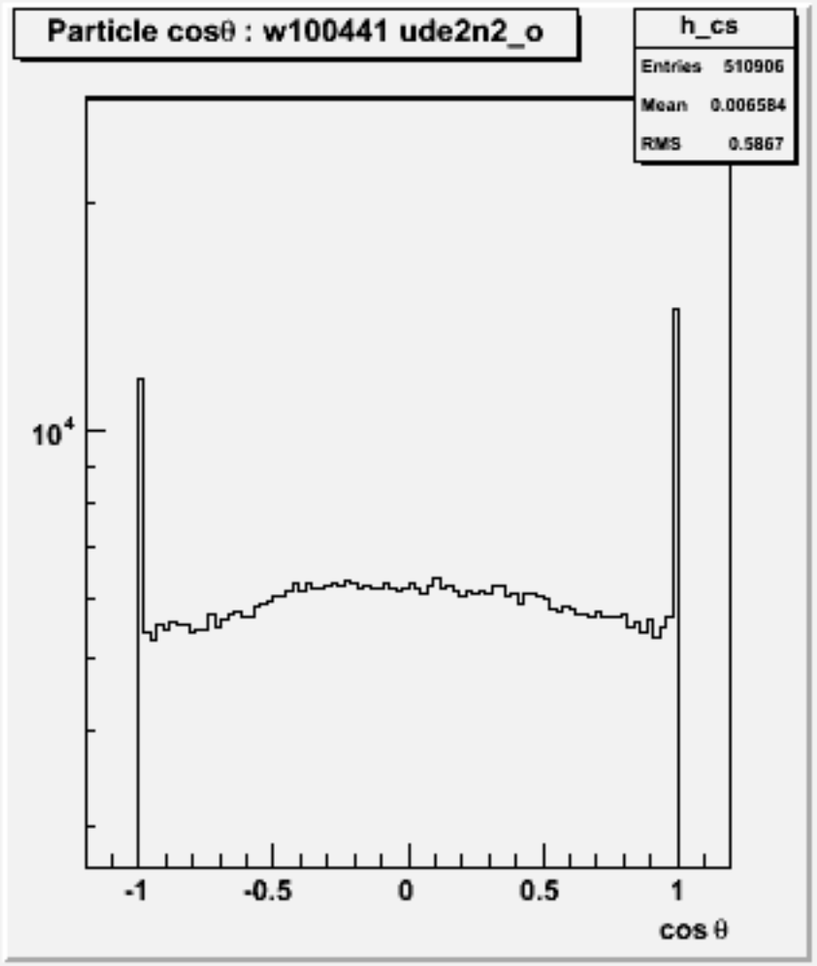

Jet cos θ (All jets)w100440 ude2n2_o
ha_j0cs
Entries 730880
Mean -0.05139
RMS 0.7867
cos θ

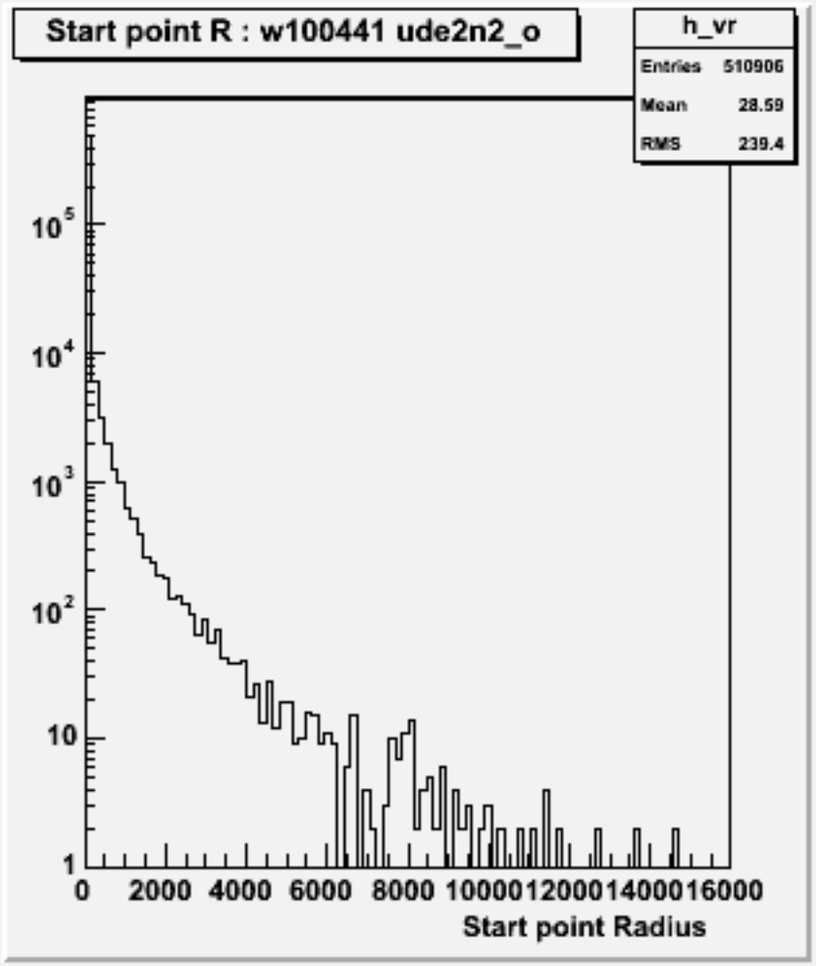

2jets mass(All comb)w100440 ude2n2_o
ha_m01
Entries 1096320
Mean 91.08
RMS 75.06
M(J_iJ_k) (GeV)

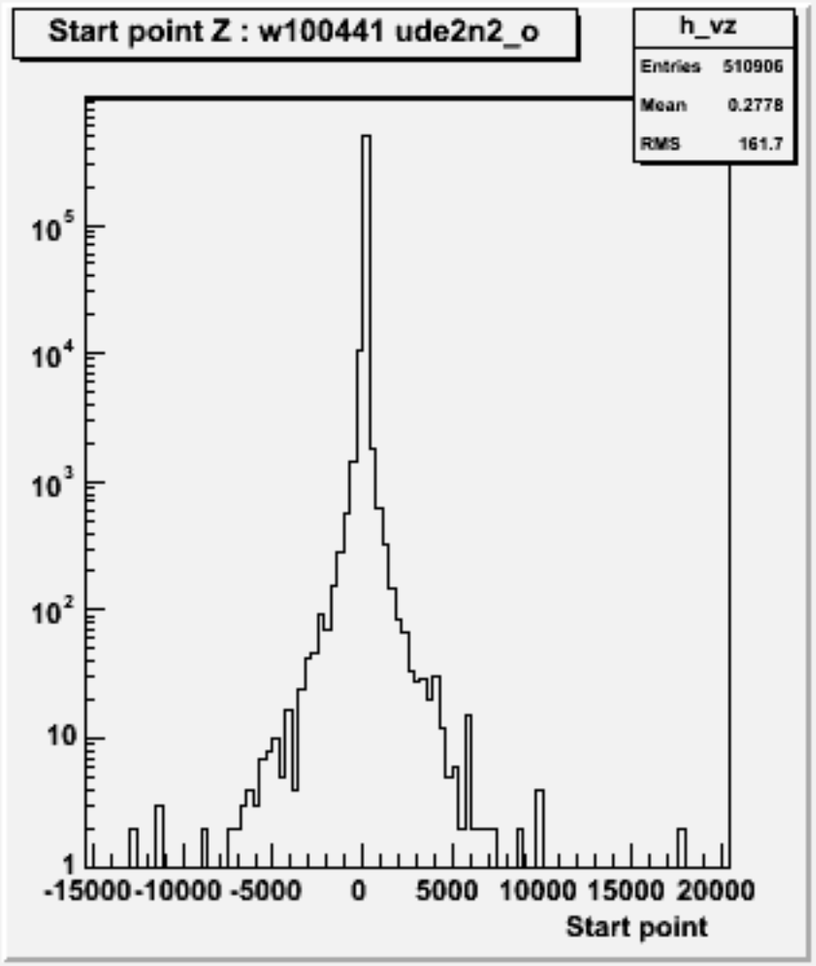

Particle ID : w100441 ude2n2_o
h_id
Entries 510906
Mean 17.62
RMS 530.2
10^5
10^4
-2000 -1000 0 1000 2000
Particle ID

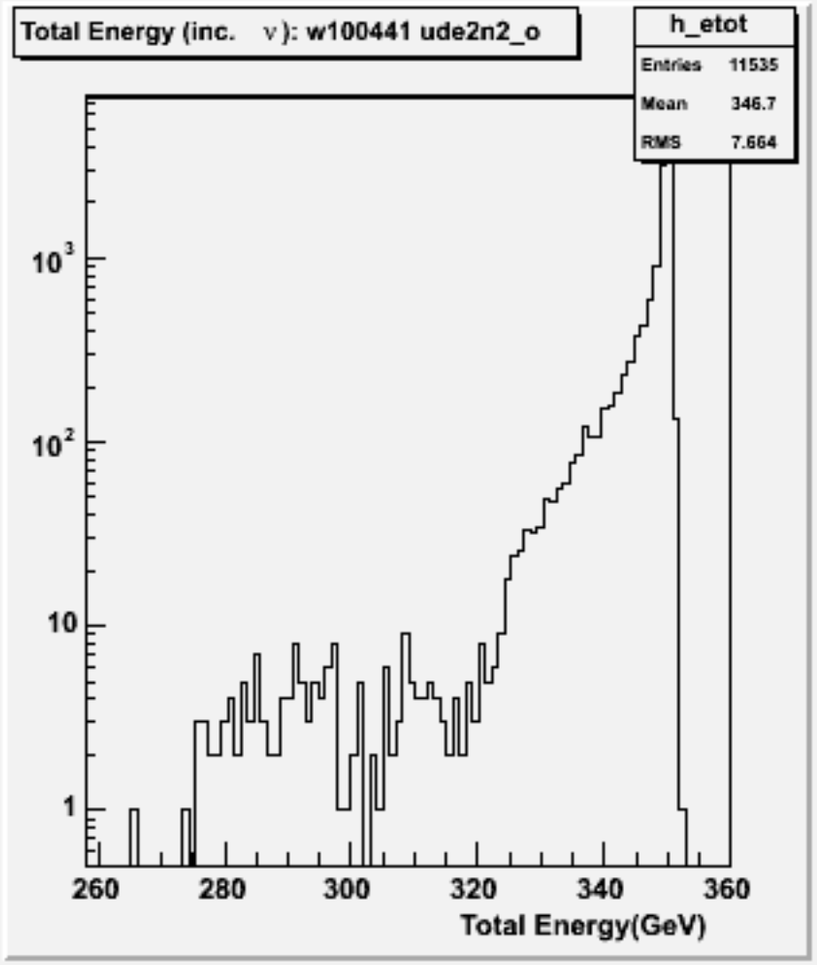

Particle Energy : w100441 ude2n2_o
h_e
Entries 510906
Mean 7.828
RMS 19.97
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

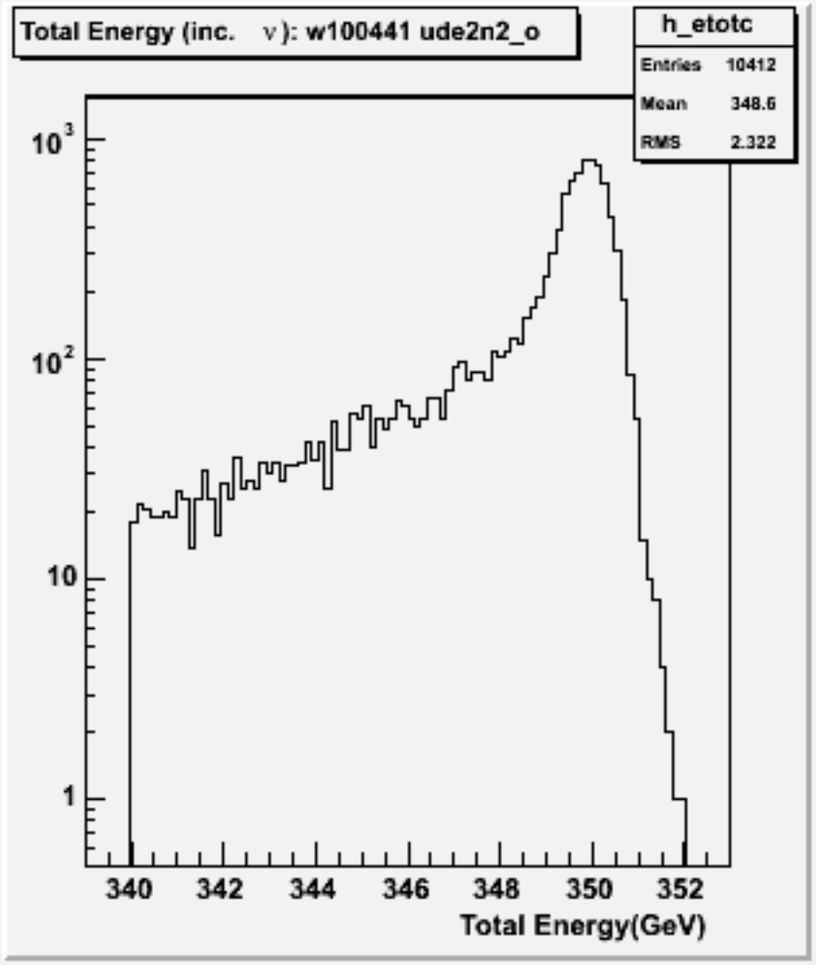

Particle Pt : w100441 ude2n2_o
h_pt
Entries 510906
Mean 5.964
RMS 16.13
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

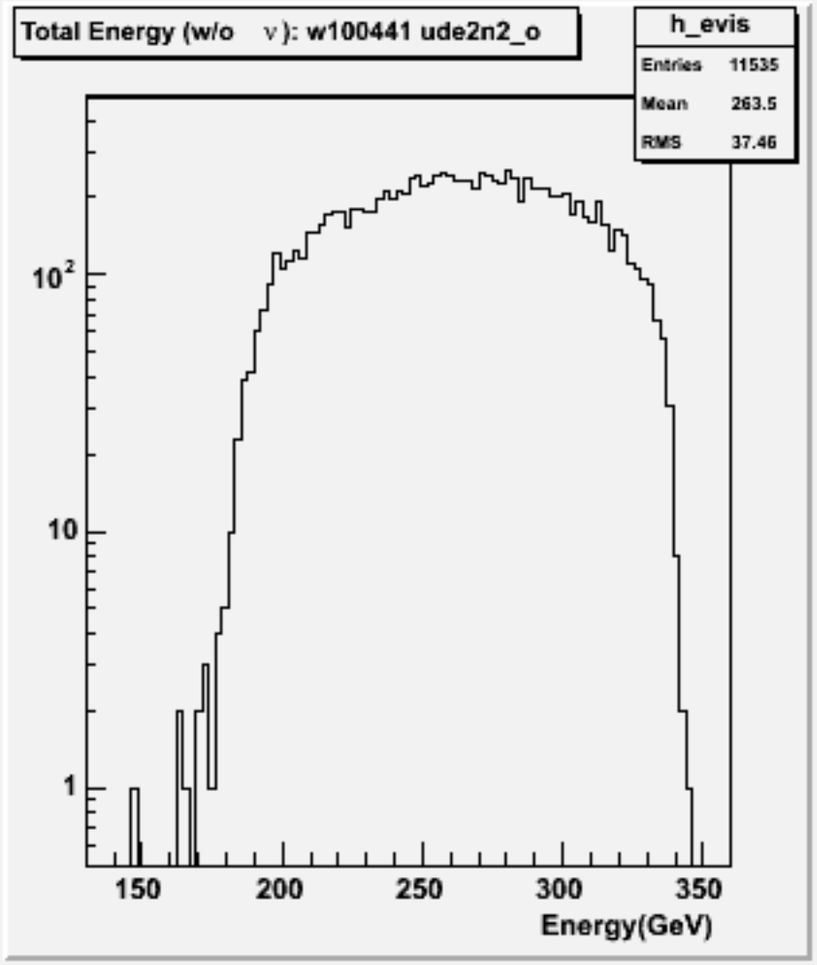

Particle cosθ : w100441 ude2n2_o
h_cs
Entries 510906
Mean 0.006584
RMS 0.5867
10^4
-1 -0.5 0 0.5 1
cos θ

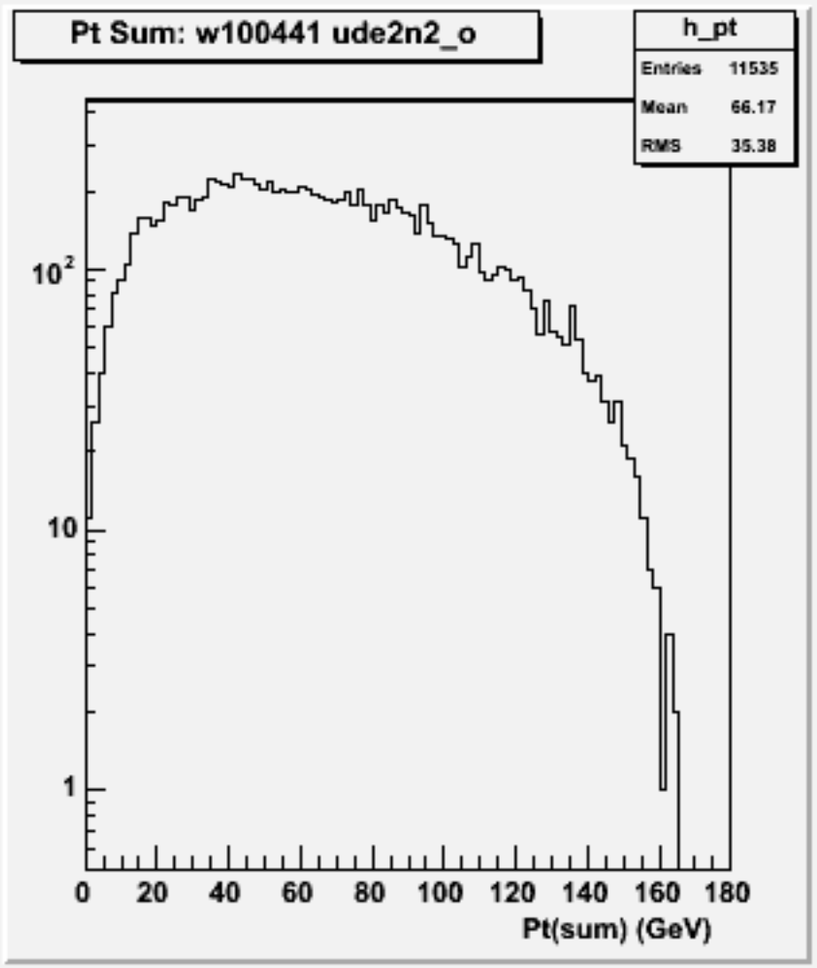

Start point R : w100441 ude2n2_o
h_vr
Entries 510906
Mean 28.59
RMS 239.4
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000
Start point Radius

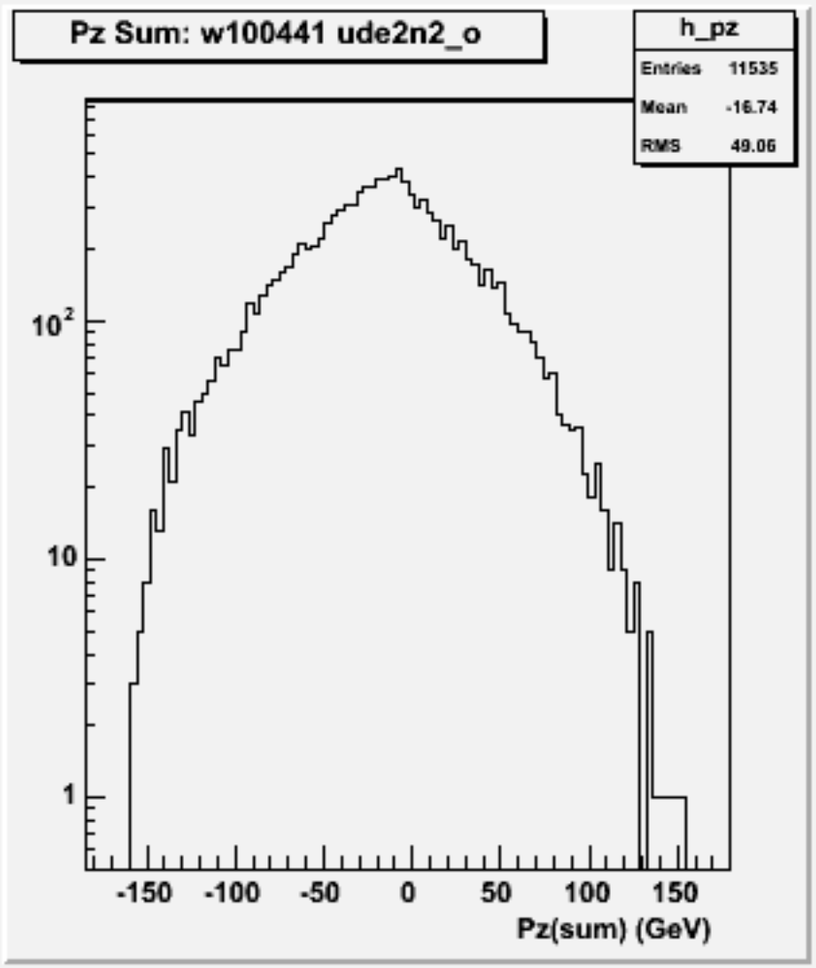

Start point Z : w100441 ude2n2_o
h_vz
Entries 510906
Mean 0.2778
RMS 161.7
10^5
10^4
10^3
10^2
10
1
-15000 -10000 -5000 0 5000 10000 15000 20000
Start point

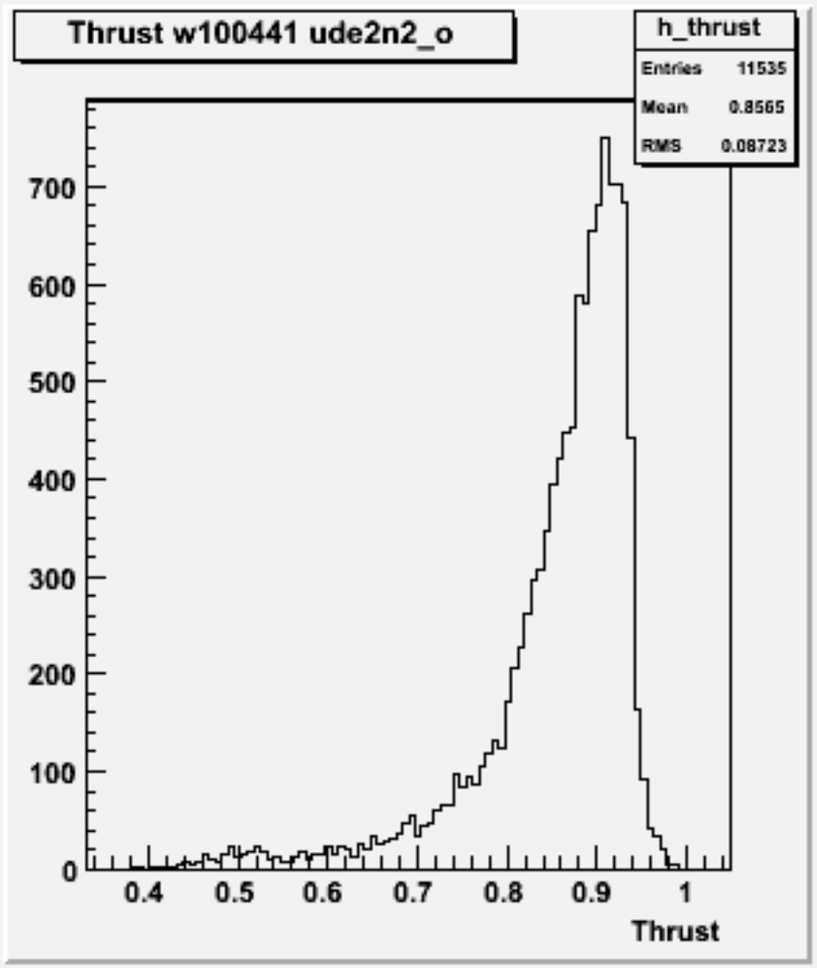

Total Energy (inc. ν): w100441 ude2n2_o
h_etot
Entries 11535
Mean 346.7
RMS 7.664
Total Energy(GeV)

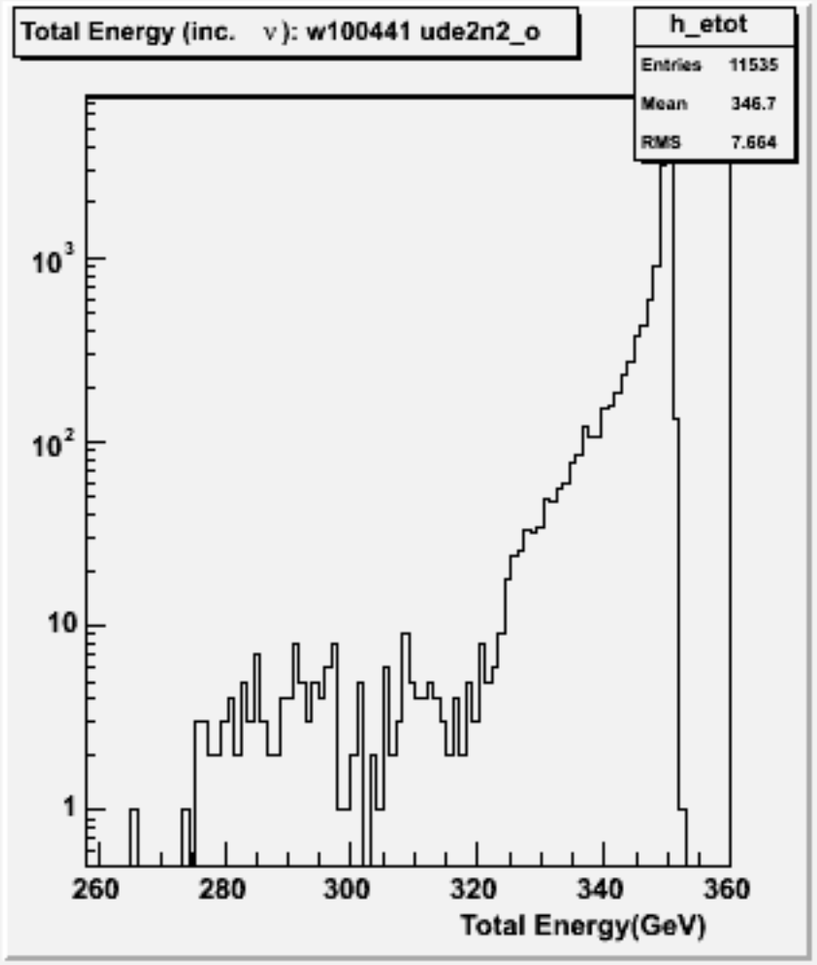

Total Energy (inc. ν): w100441 ude2n2_o
h_etotc
Entries 10412
Mean 348.6
RMS 2.322
Total Energy(GeV)

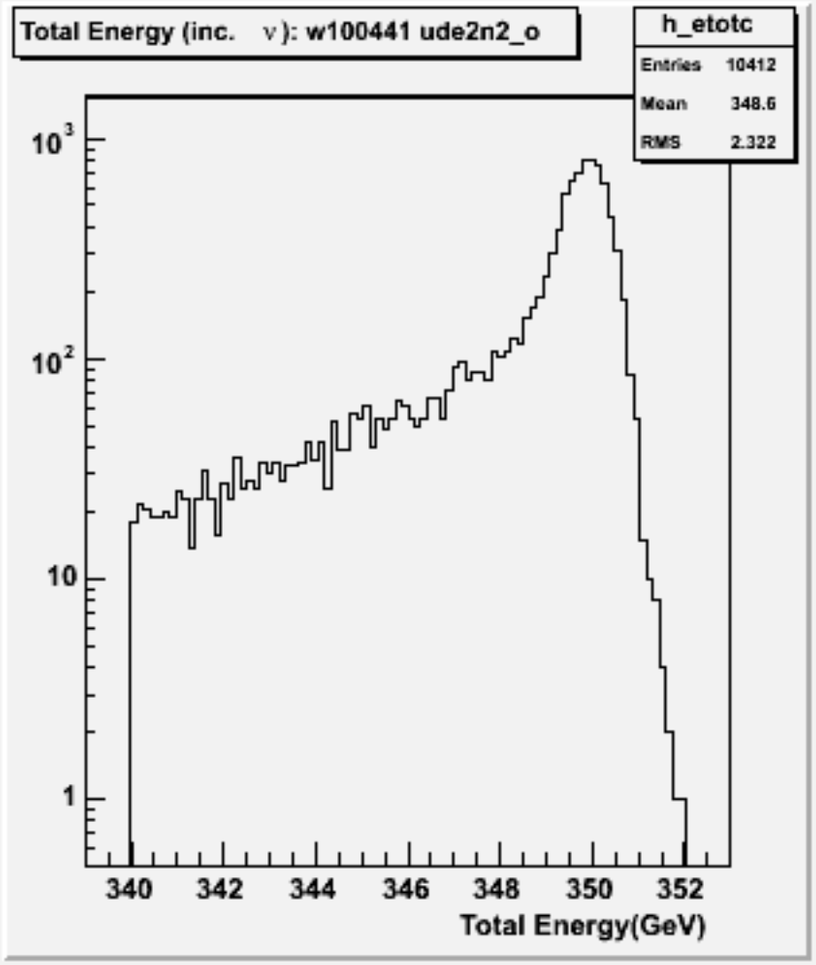

Total Energy (w/o ν): w100441 ude2n2_o
h_evis
Entries 11535
Mean 263.5
RMS 37.46
Energy(GeV)

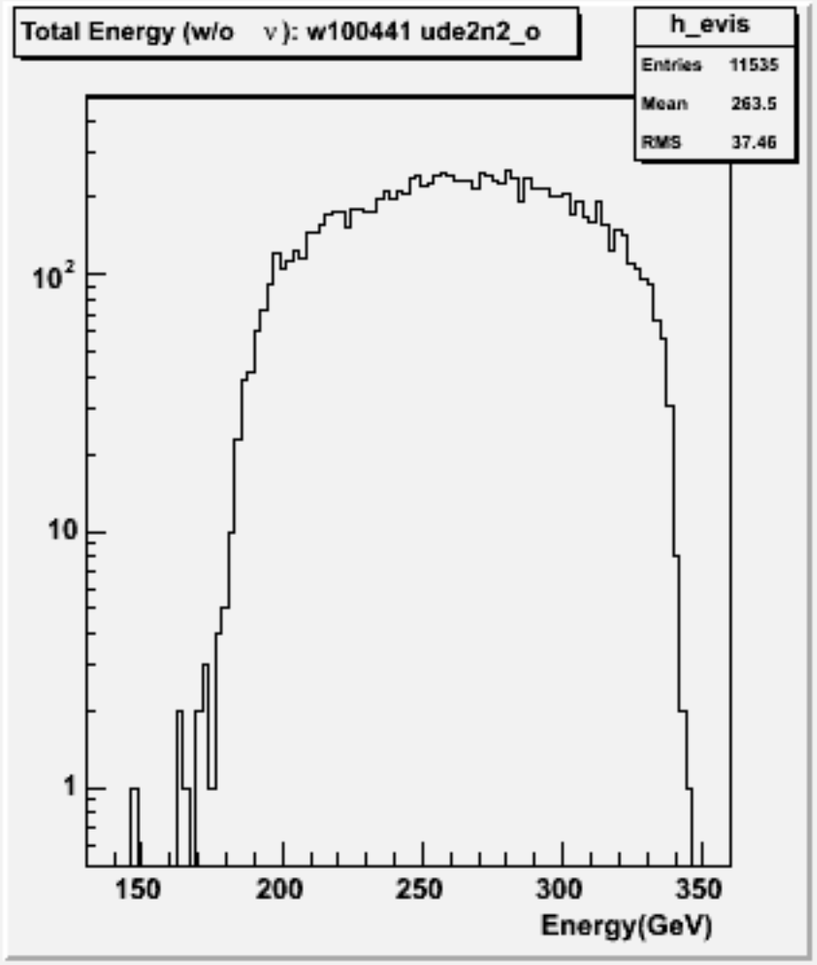

Pt Sum: w100441 ude2n2_o
h_pt
Entries 11535
Mean 66.17
RMS 35.38
Pt(sum) (GeV)

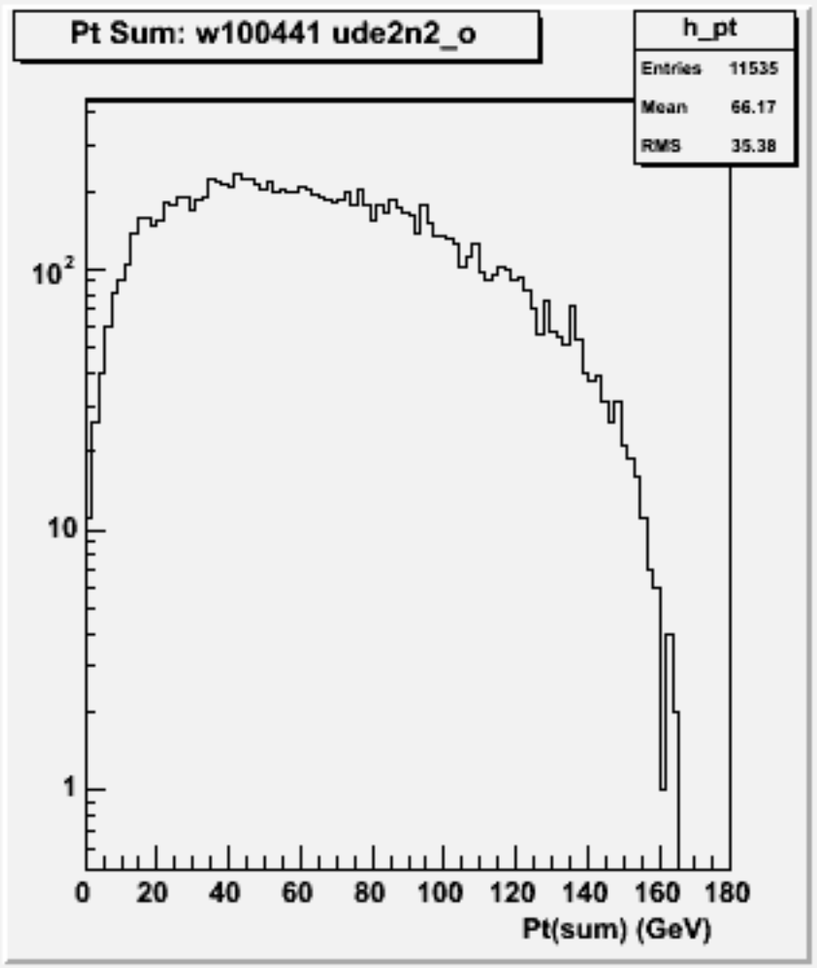

Pz Sum: w100441 ude2n2_o
h_pz
Entries 11535
Mean -16.74
RMS 49.06
Pz(sum) (GeV)

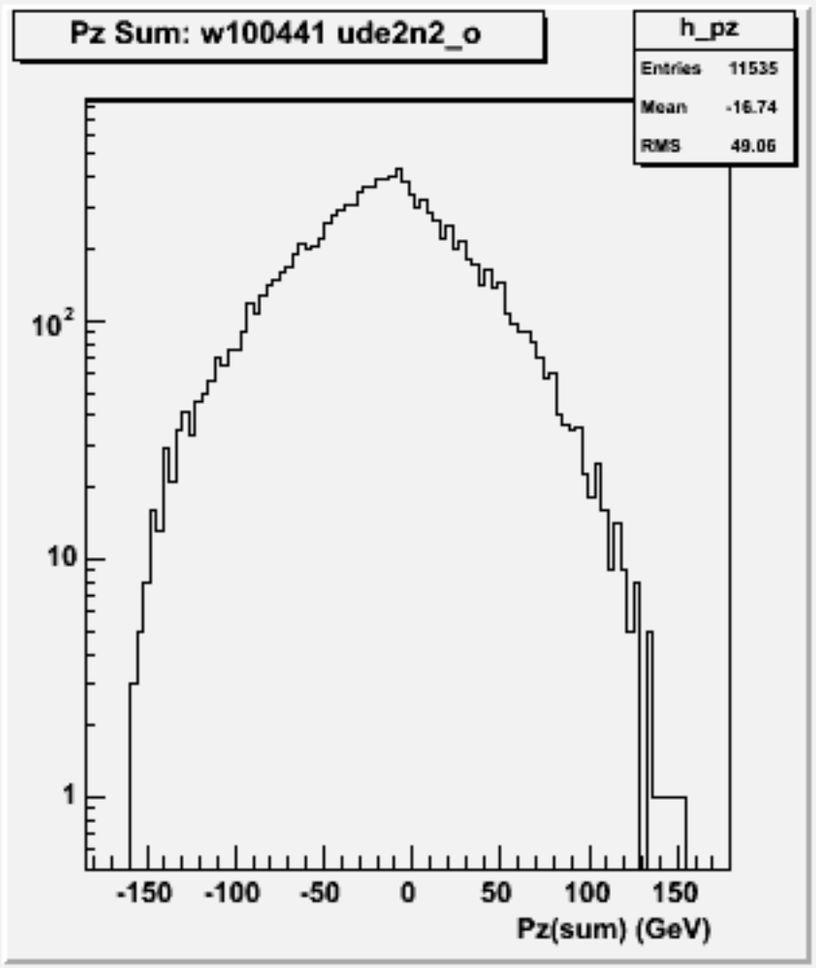

Thrust w100441 ude2n2_o
h_thrust
Entries 11535
Mean 0.8565
RMS 0.08723
Thrust

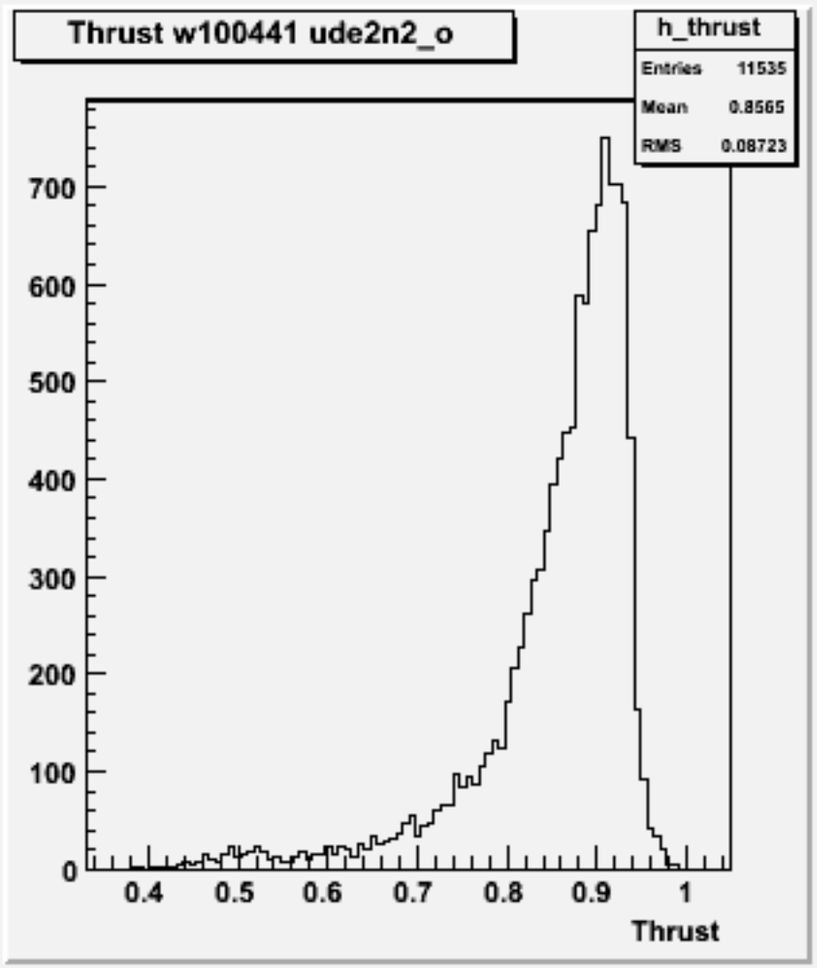

Total Energy (inc. ν): w100441 ude2n2_o
h_etot
Entries 11535
Mean 346.7
RMS 7.664
Total Energy(GeV)

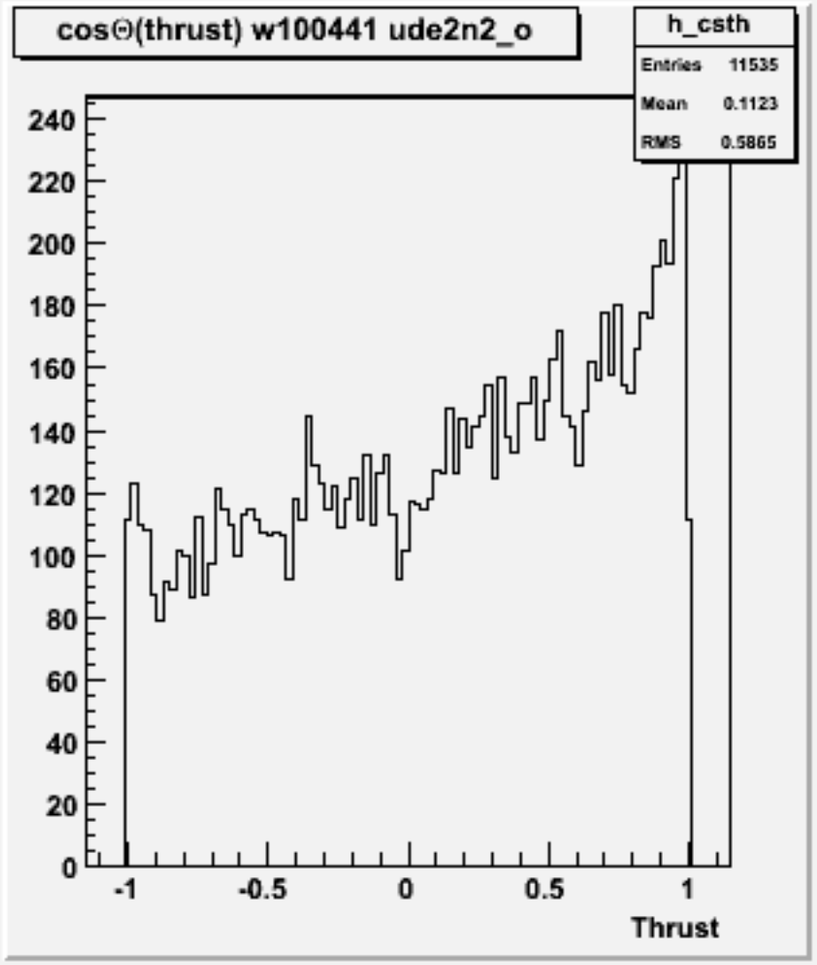

Total Energy (inc. ν): w100441 ude2n2_o
h_etotc
Entries 10412
Mean 348.6
RMS 2.322
Total Energy(GeV)

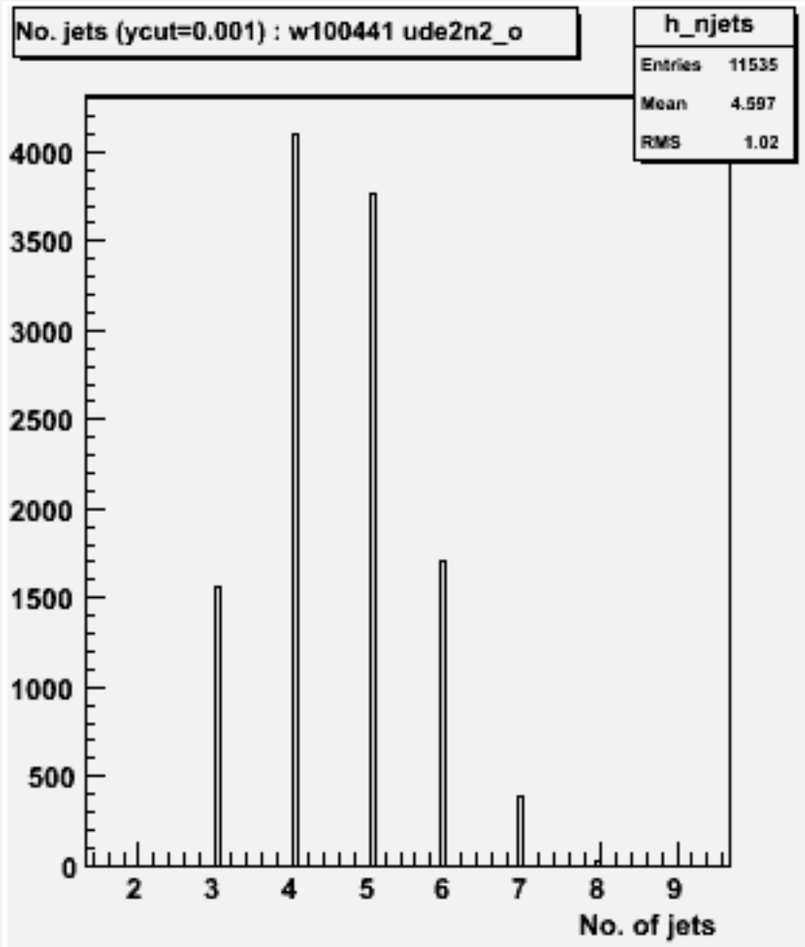

Total Energy (w/o ν): w100441 ude2n2_o
h_evis
Entries 11535
Mean 263.5
RMS 37.46
Energy(GeV)

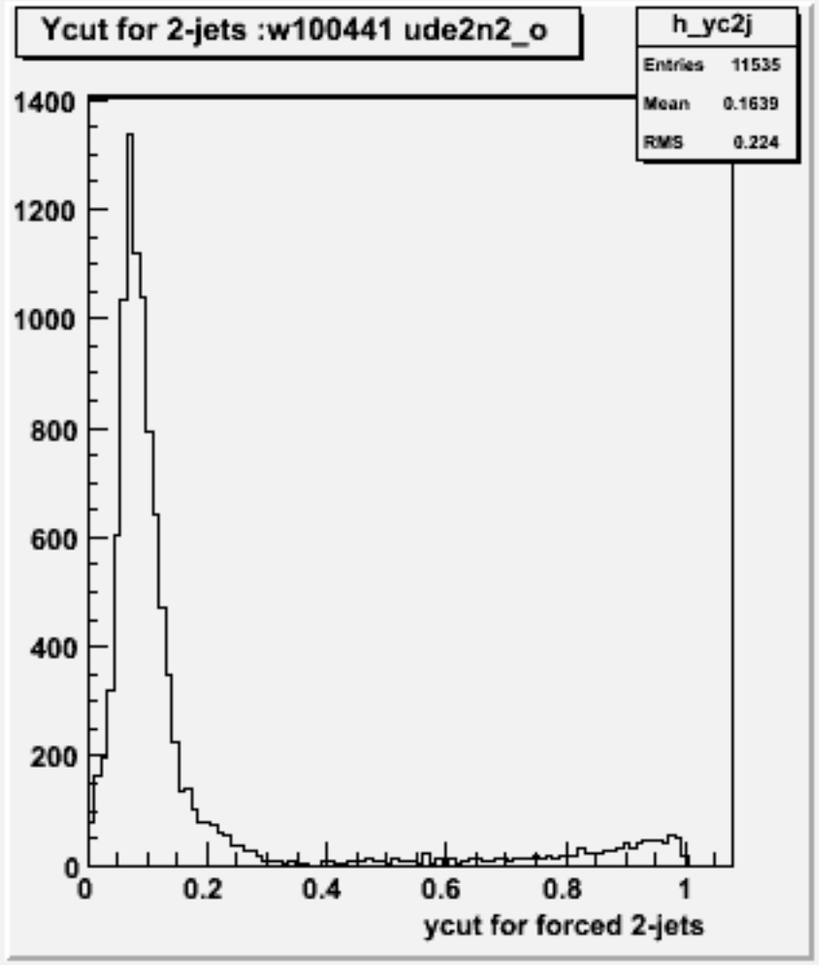

Pt Sum: w100441 ude2n2_o
h_pt
Entries 11535
Mean 66.17
RMS 35.38
Pt(sum) (GeV)

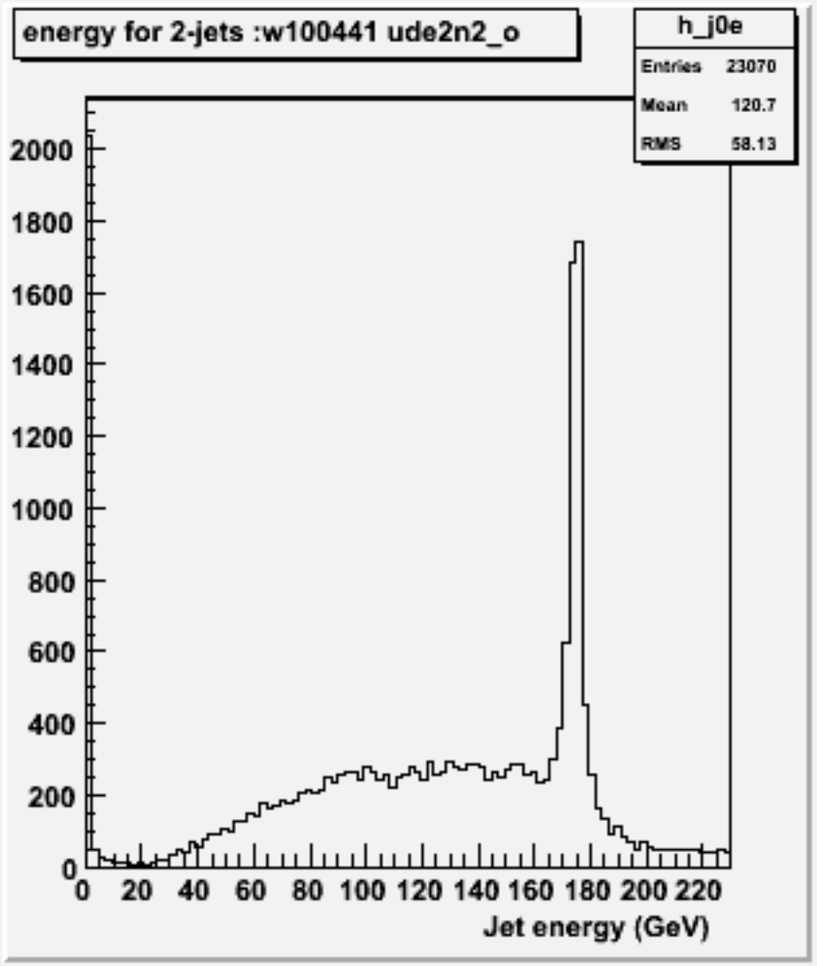

Pz Sum: w100441 ude2n2_o
h_pz
Entries 11535
Mean -16.74
RMS 49.06
Pz(sum) (GeV)

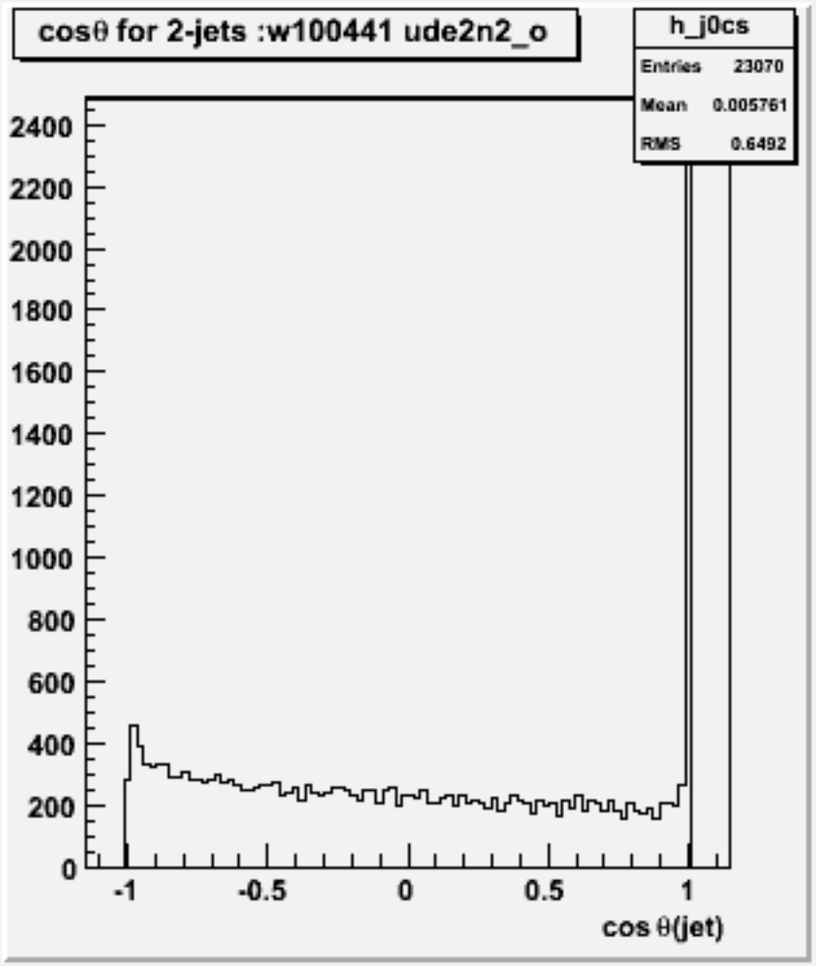

Thrust w100441 ude2n2_o
h_thrust
Entries 11535
Mean 0.8565
RMS 0.08723
Thrust

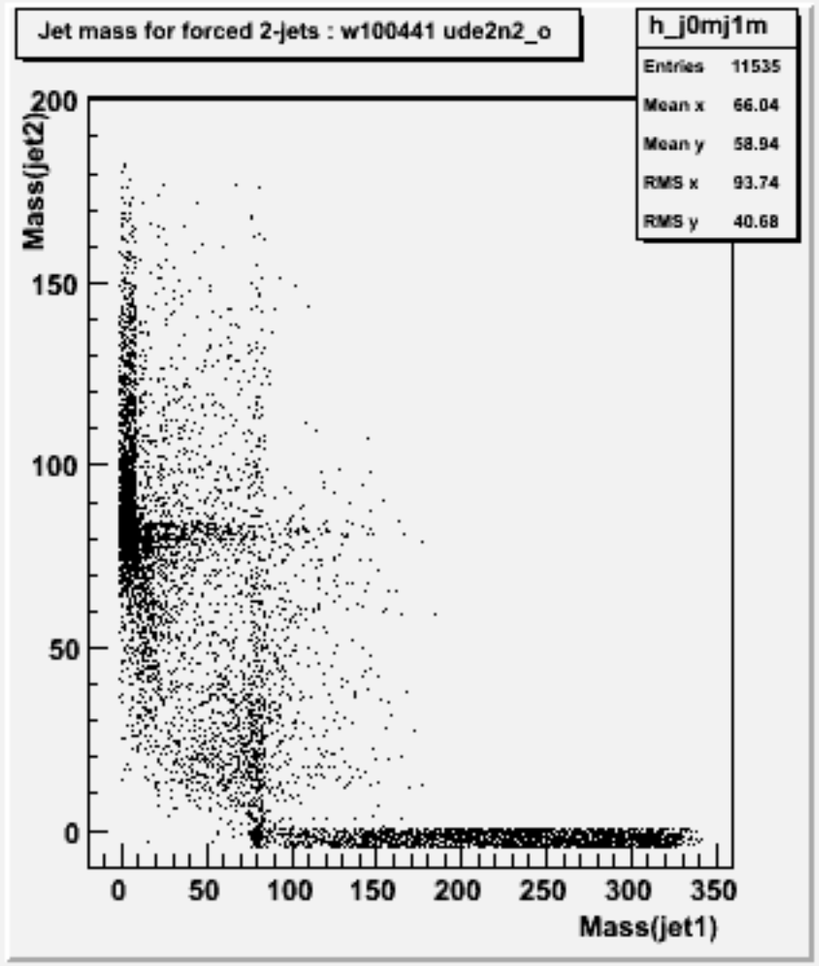

cosΘ(thrust) w100441 ude2n2_o
h_csth
Entries 11535
Mean 0.1123
RMS 0.5865
Thrust

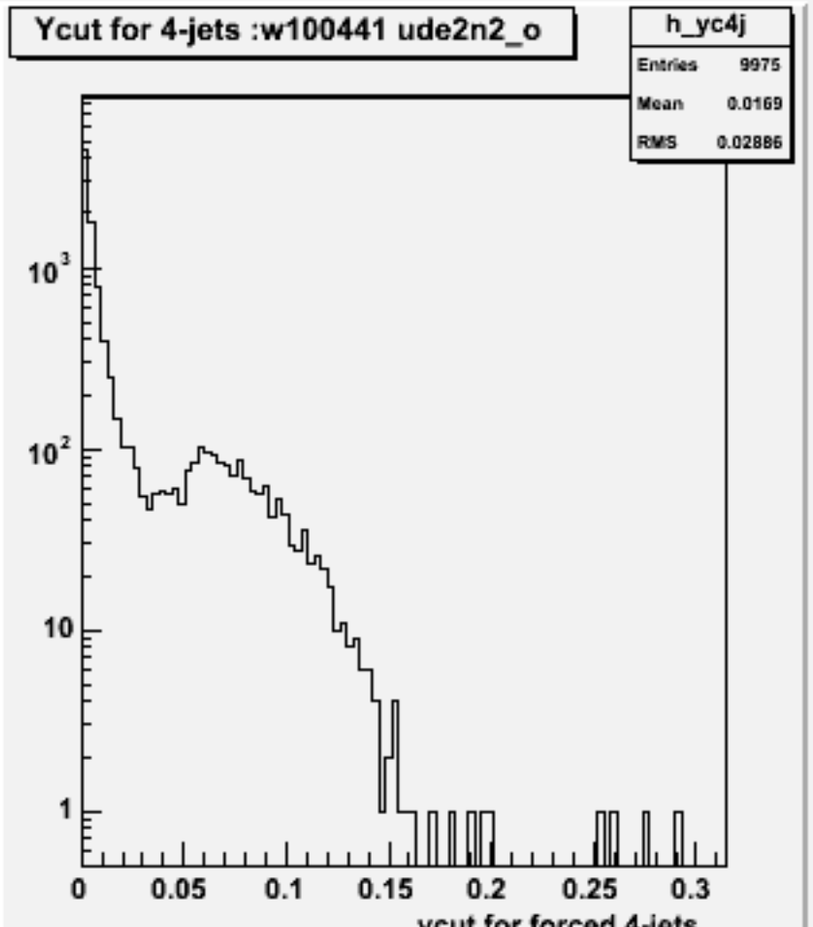

No. jets (ycut=0.001) : w100441 ude2n2_o
h_njets
Entries 11535
Mean 4.597
RMS 1.02
No. of jets

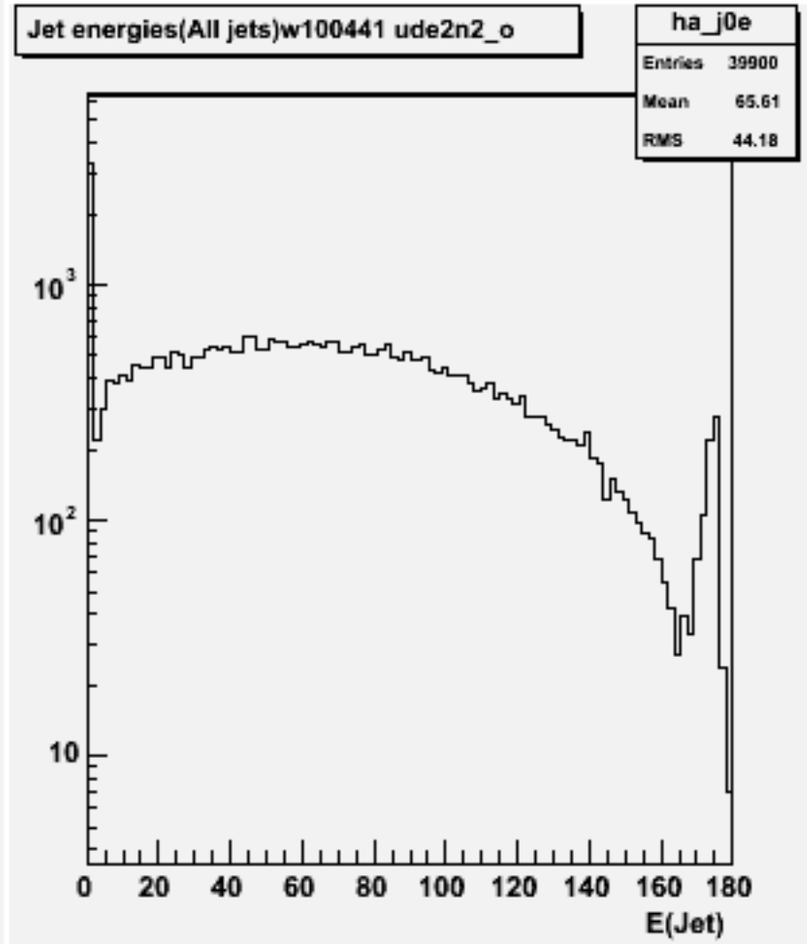

Ycut for 2-jets :w100441 ude2n2_o
h_yc2j
Entries 11535
Mean 0.1639
RMS 0.224
ycut for forced 2-jets

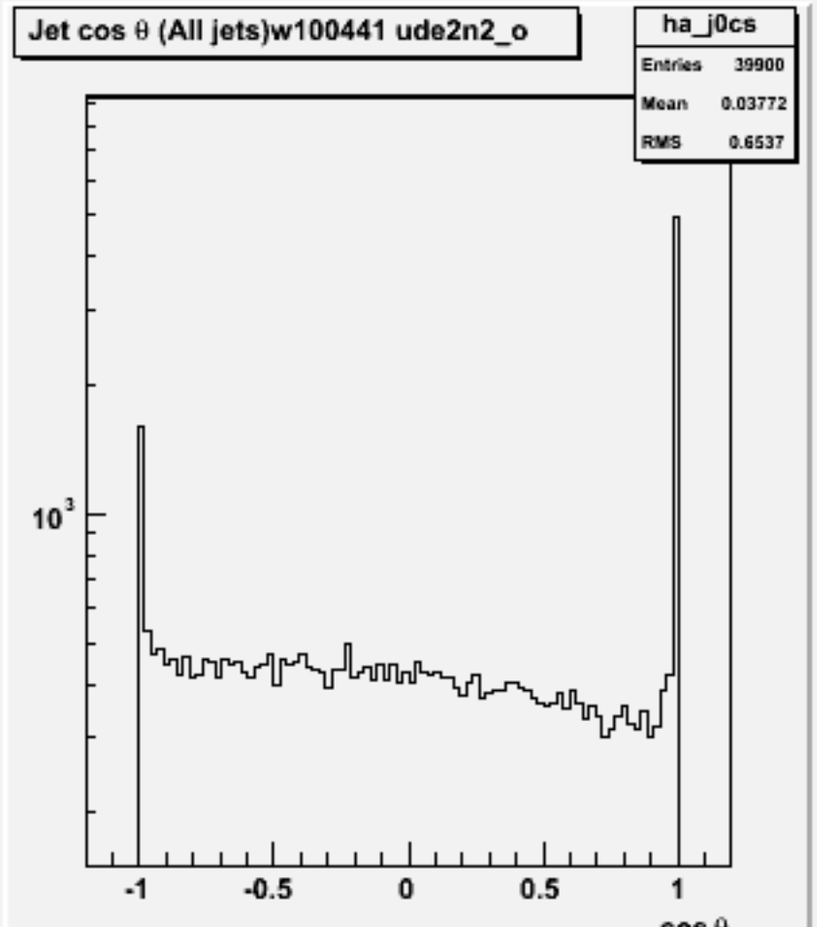

energy for 2-jets :w100441 ude2n2_o
h_j0e
Entries 23070
Mean 120.7
RMS 58.13
Jet energy (GeV)

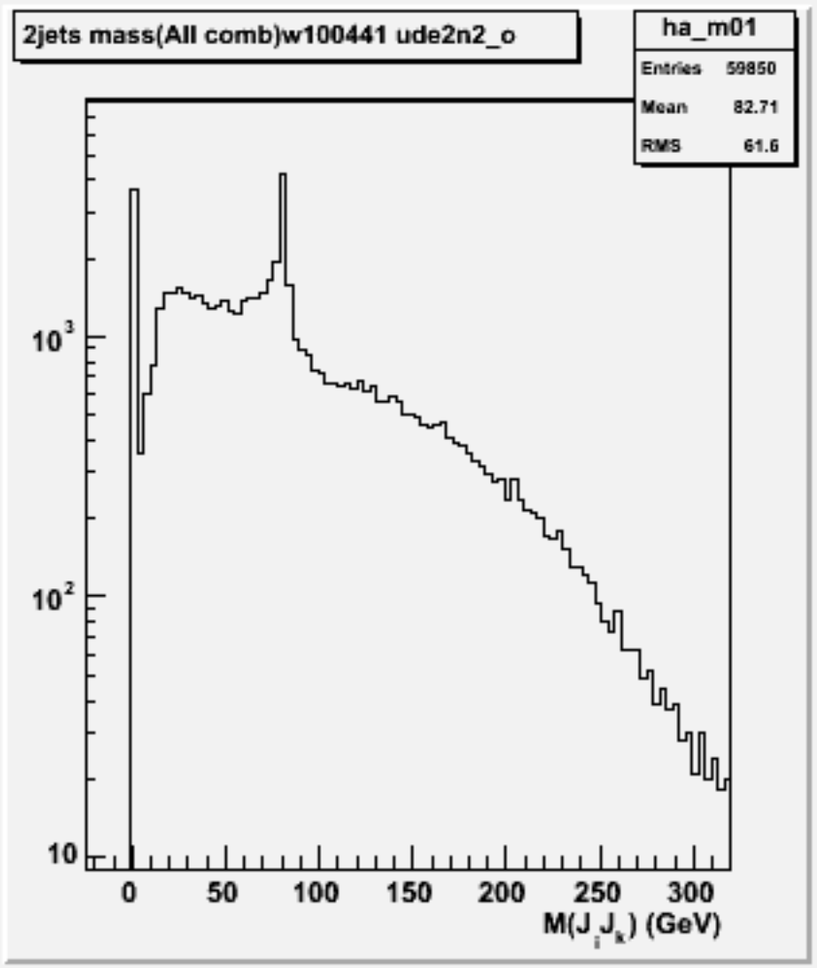

cosθ for 2-jets :w100441 ude2n2_o
h_j0cs
Entries 23070
Mean 0.005761
RMS 0.6492
cos θ(jet)

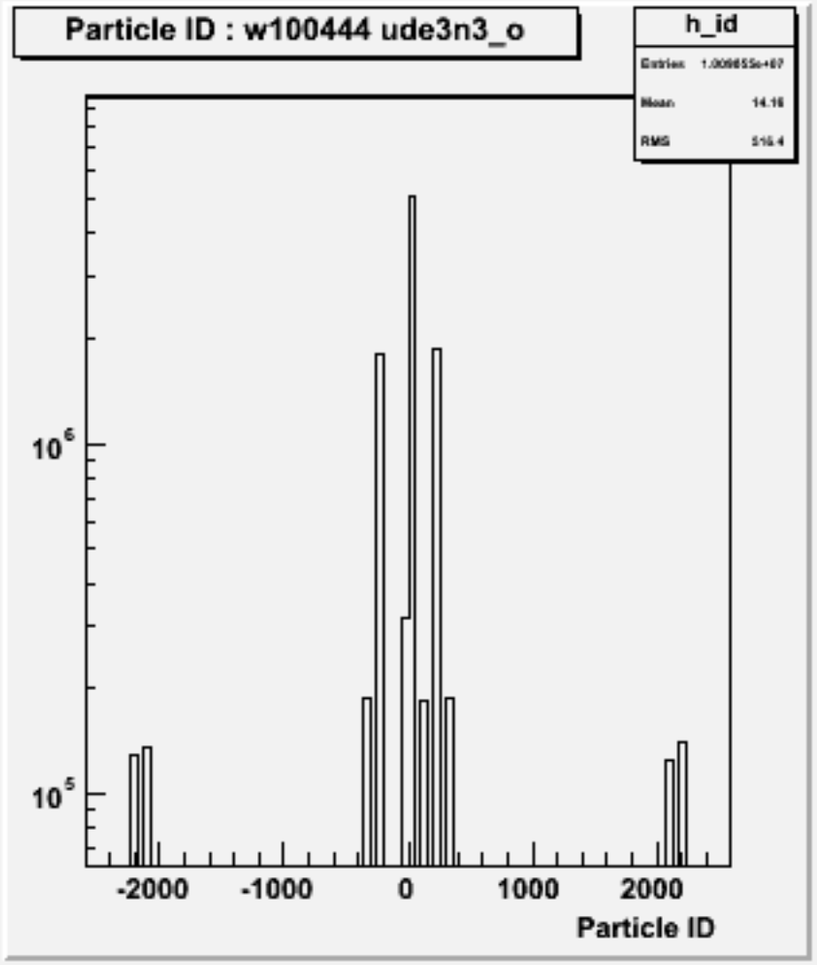

Jet mass for forced 2-jets : w100441 ude2n2_o
h_j0mj1m
Entries 11535
Mean x 66.04
Mean y 58.94
RMS x 93.74
RMS y 40.68
Mass(jet2)
Mass(jet1)

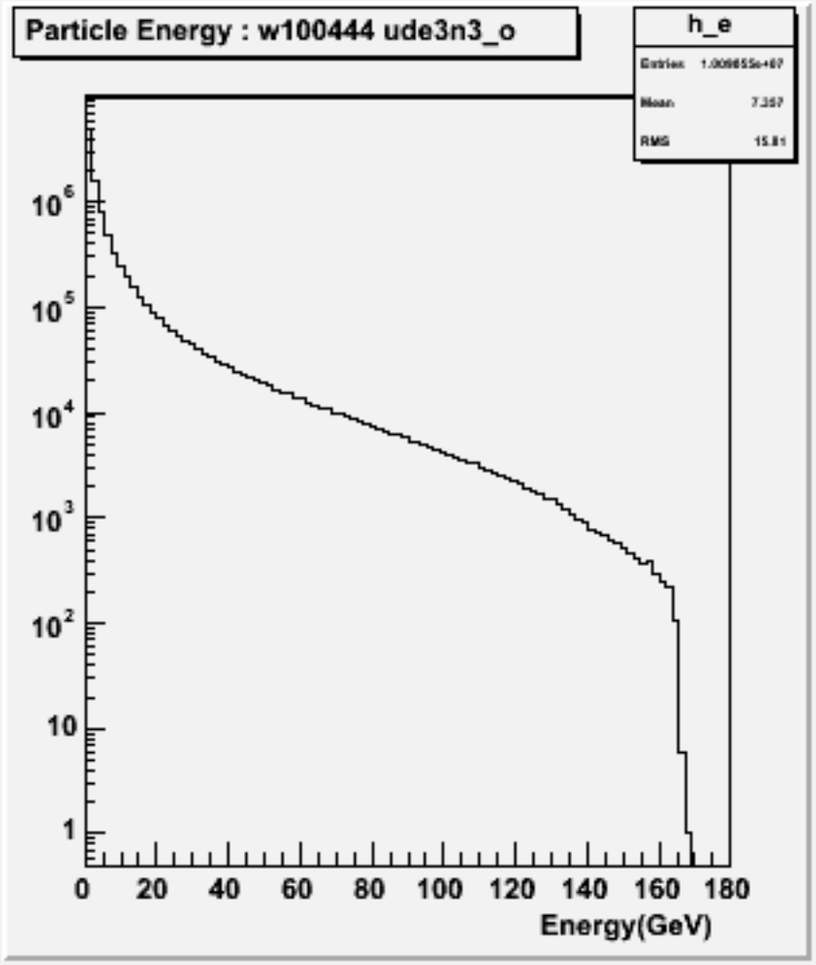

Ycut for 4-jets :w100441 ude2n2_o
h_yc4j
Entries 9975
Mean 0.0169
RMS 0.02886
10^3
10^2
10
1
0 0.05 0.1 0.15 0.2 0.25 0.3
ycut for forced 4-jets

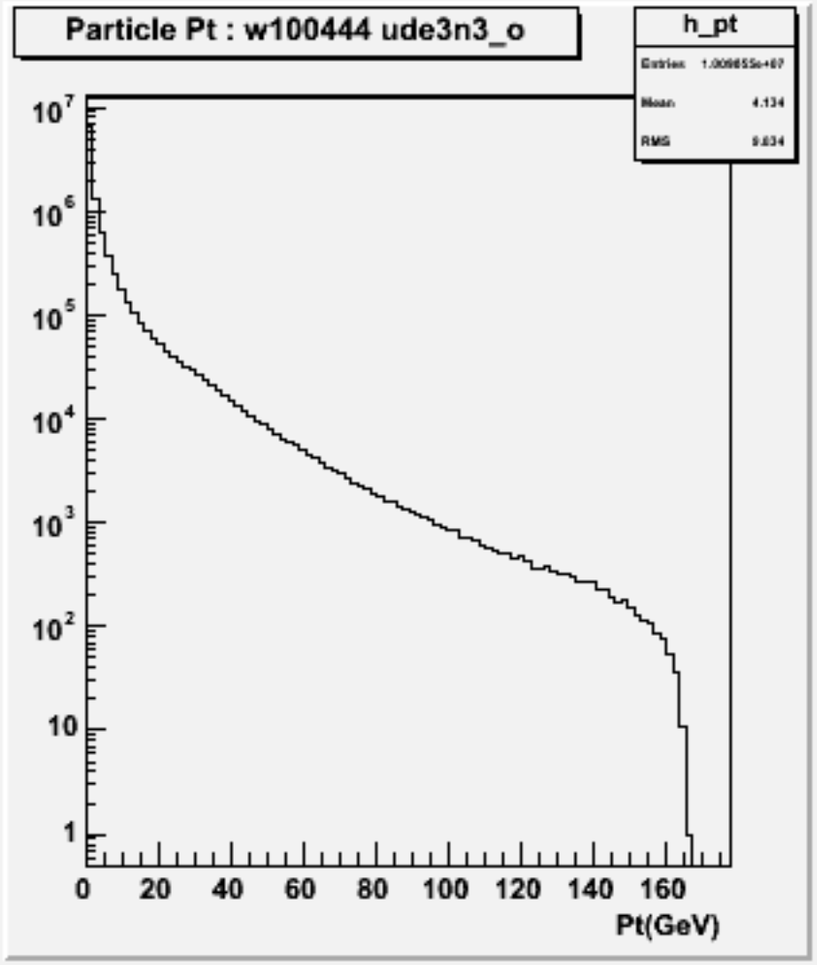

Jet energies(All jets)w100441 ude2n2_o
ha_j0e
Entries 39900
Mean 65.61
RMS 44.18
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
E(Jet)

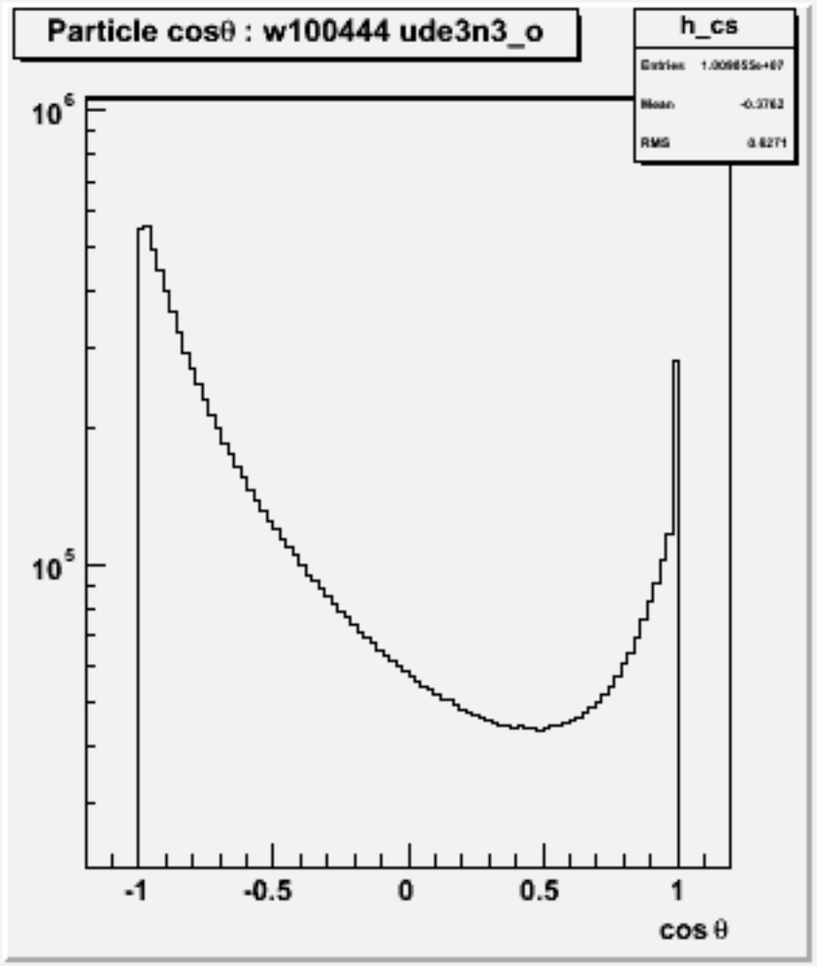

Jet cos θ (All jets)w100441 ude2n2_o
ha_j0cs
Entries 39900
Mean 0.03772
RMS 0.6537
10^3
-1 -0.5 0 0.5 1
cos θ

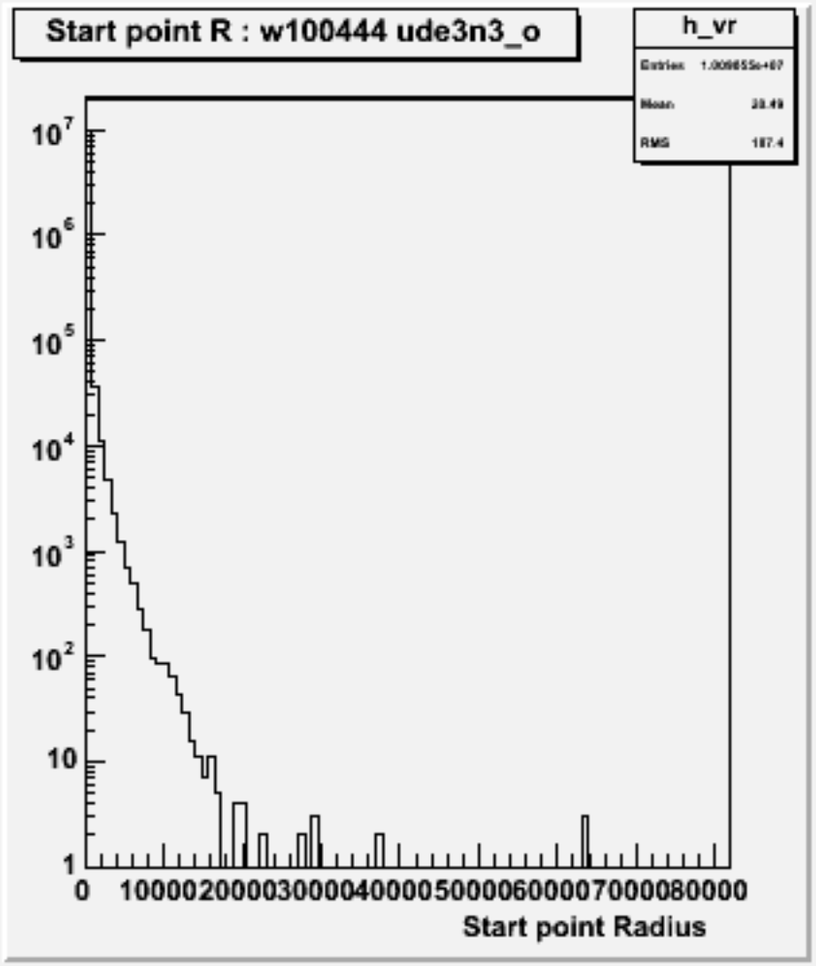

2jets mass(All comb)w100441 ude2n2_o
ha_m01
Entries 59850
Mean 82.71
RMS 61.6
10^3
10^2
10
0 50 100 150 200 250 300
M(J_iJ_k) (GeV)

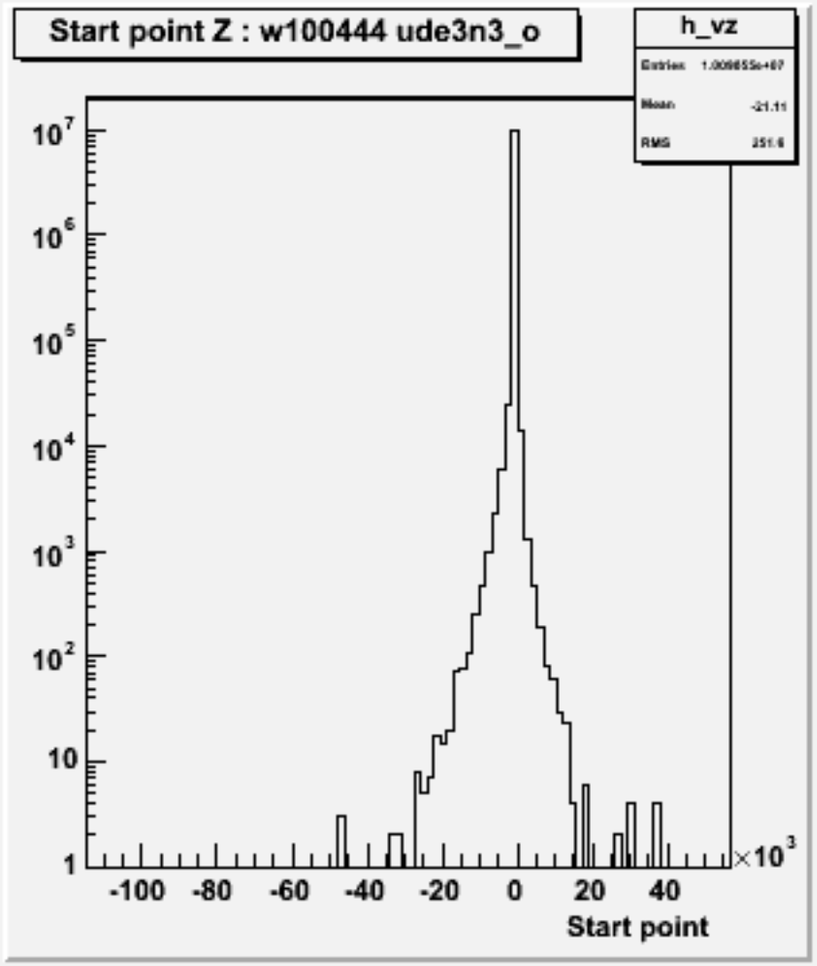

Particle ID : w100444 ude3n3_o
h_id
Entries 1.009855e+07
Mean 14.16
RMS 516.4
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

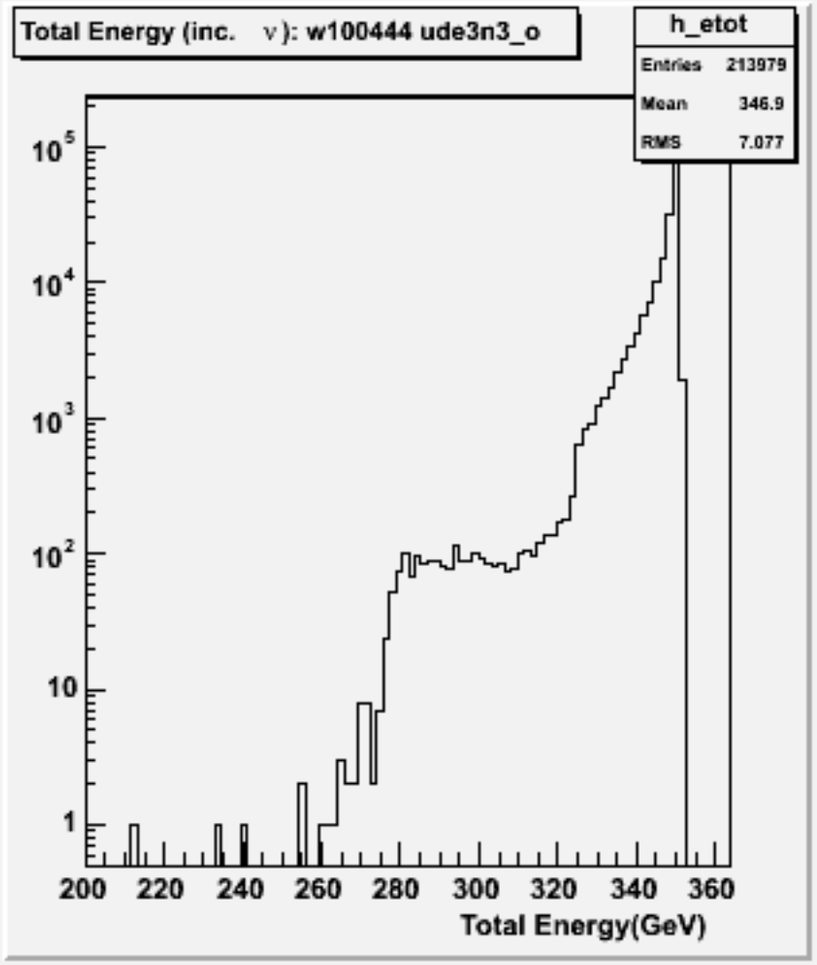

Particle Energy : w100444 ude3n3_o
h_e
Entries 1.009855e+07
Mean 7.357
RMS 15.81
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

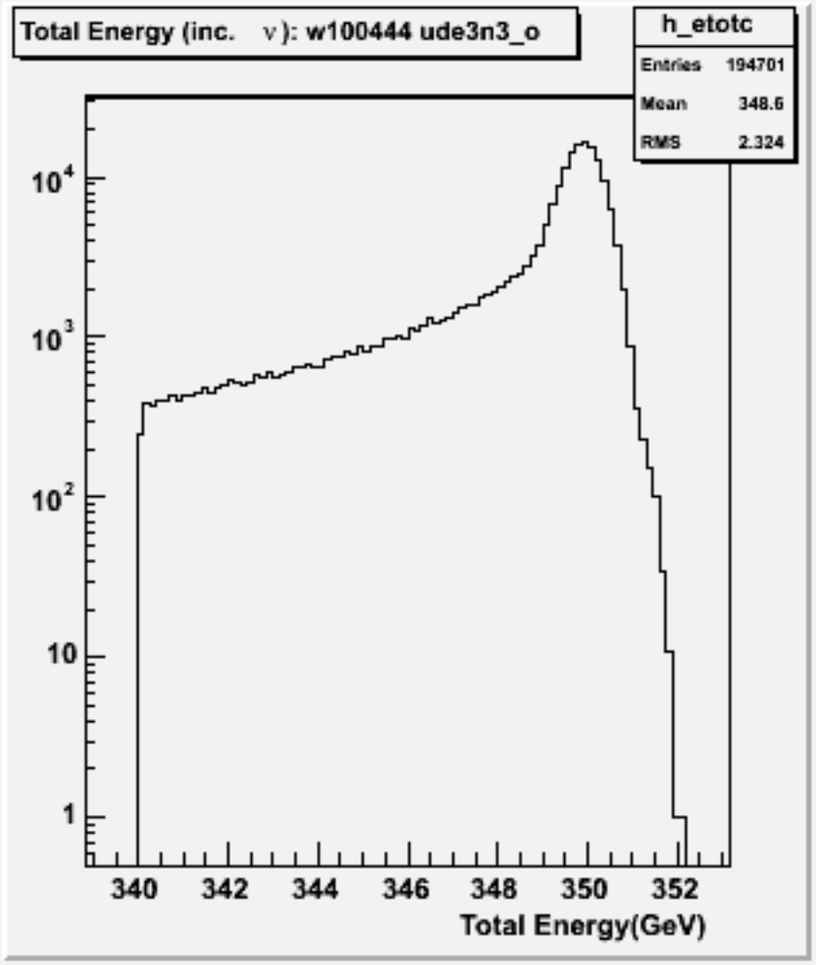

Particle Pt : w100444 ude3n3_o
h_pt
Entries 1.009855e+07
Mean 4.134
RMS 9.834
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

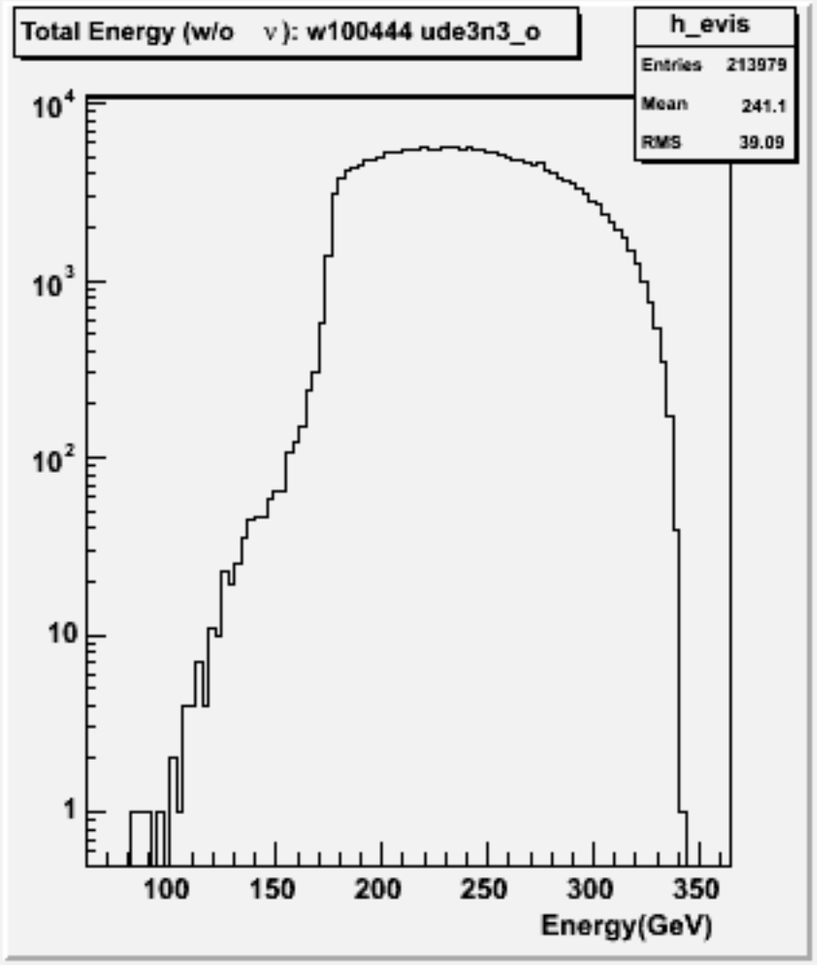

Particle cosθ : w100444 ude3n3_o
h_cs
Entries 1.009855e+07
Mean -0.3763
RMS 0.8271
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

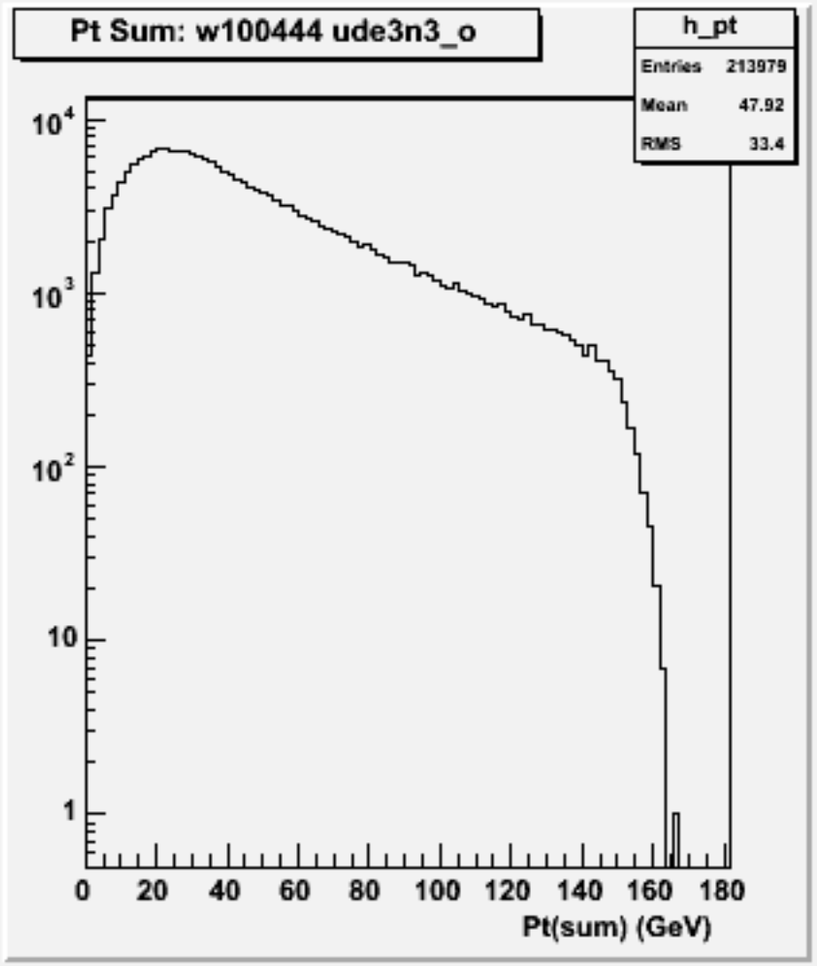

Start point R : w100444 ude3n3_o
h_vr
Entries 1.009855e+07
Mean 33.49
RMS 187.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
60000
70000
80000
Start point Radius

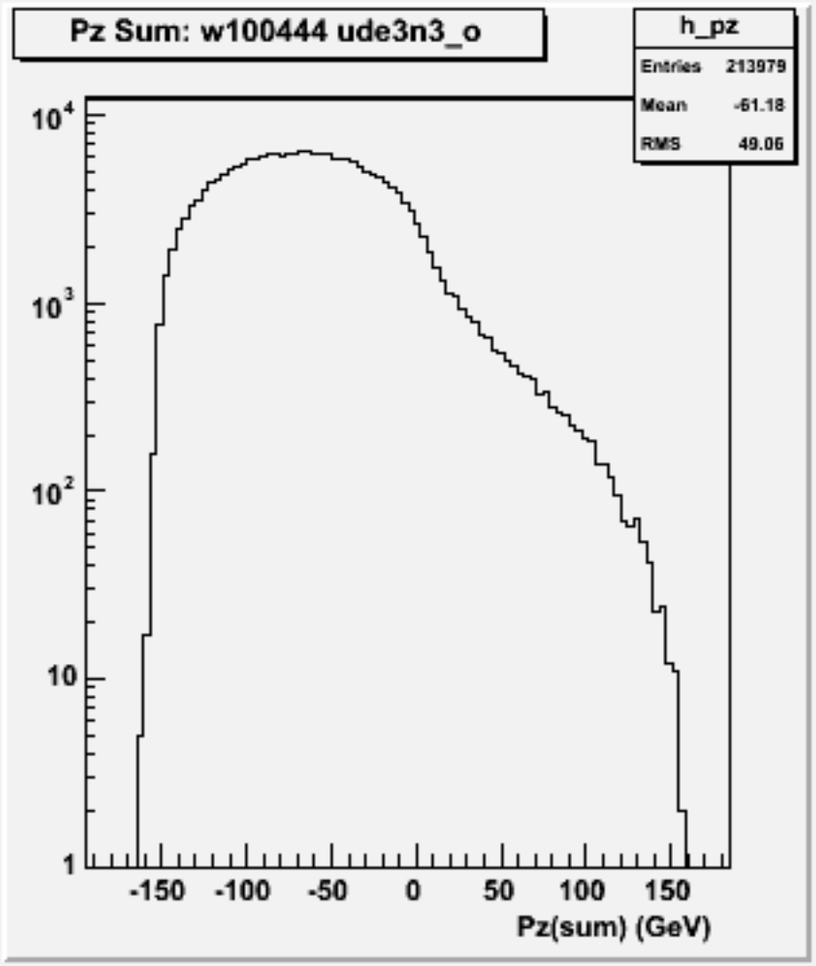

Start point Z : w100444 ude3n3_o
h_vz
Entries 1.009855e+07
Mean -21.11
RMS 251.8
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-100
-80
-60
-40
-20
0
20
40
$\times 10^3$
Start point

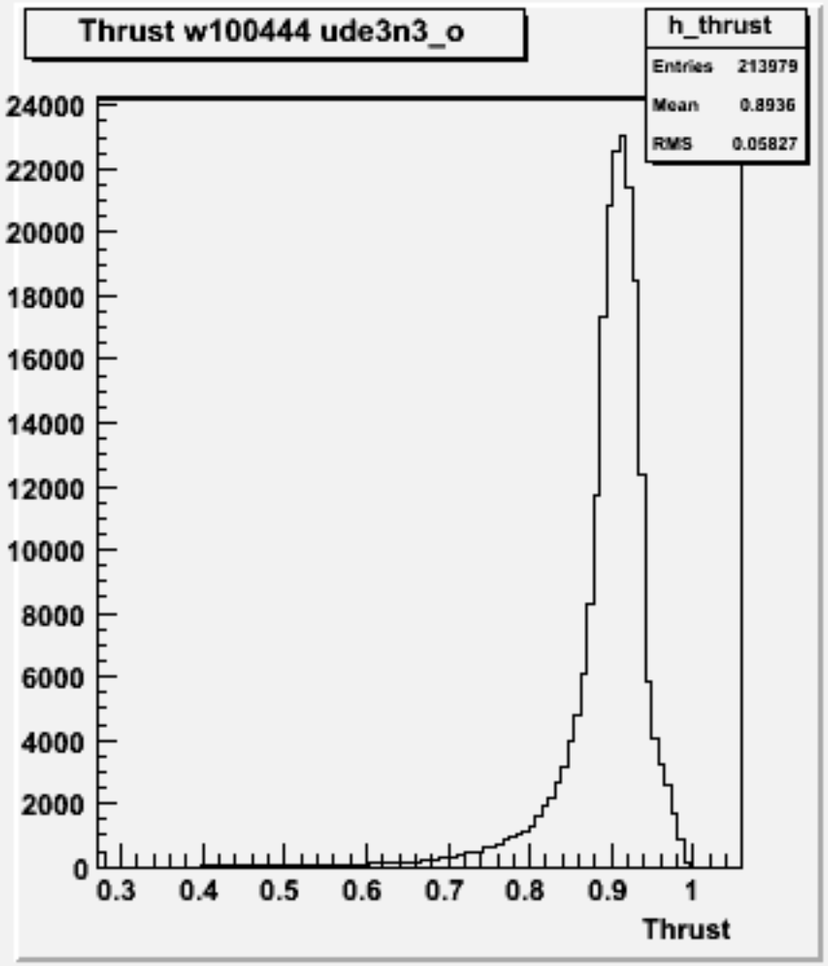

Total Energy (inc. ν): w100444 ude3n3_o
h_etot
Entries 213979
Mean 346.9
RMS 7.077
Total Energy(GeV)

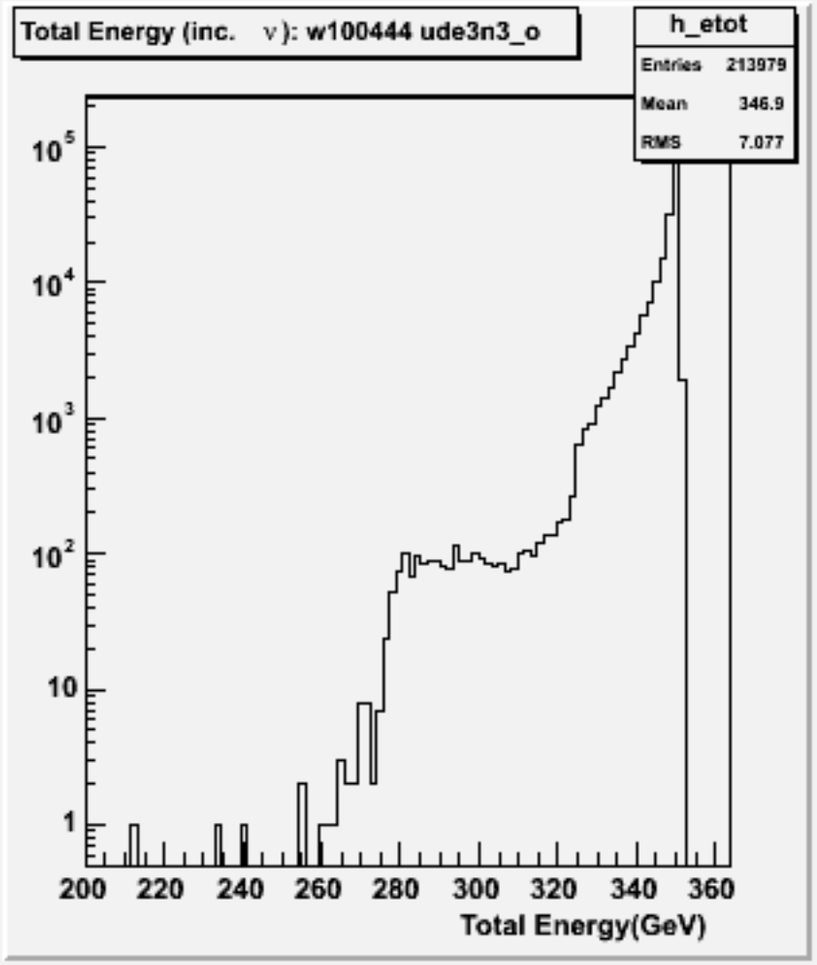

Total Energy (inc. ν): w100444 ude3n3_o
h_etotc
Entries 194701
Mean 348.6
RMS 2.324
Total Energy(GeV)

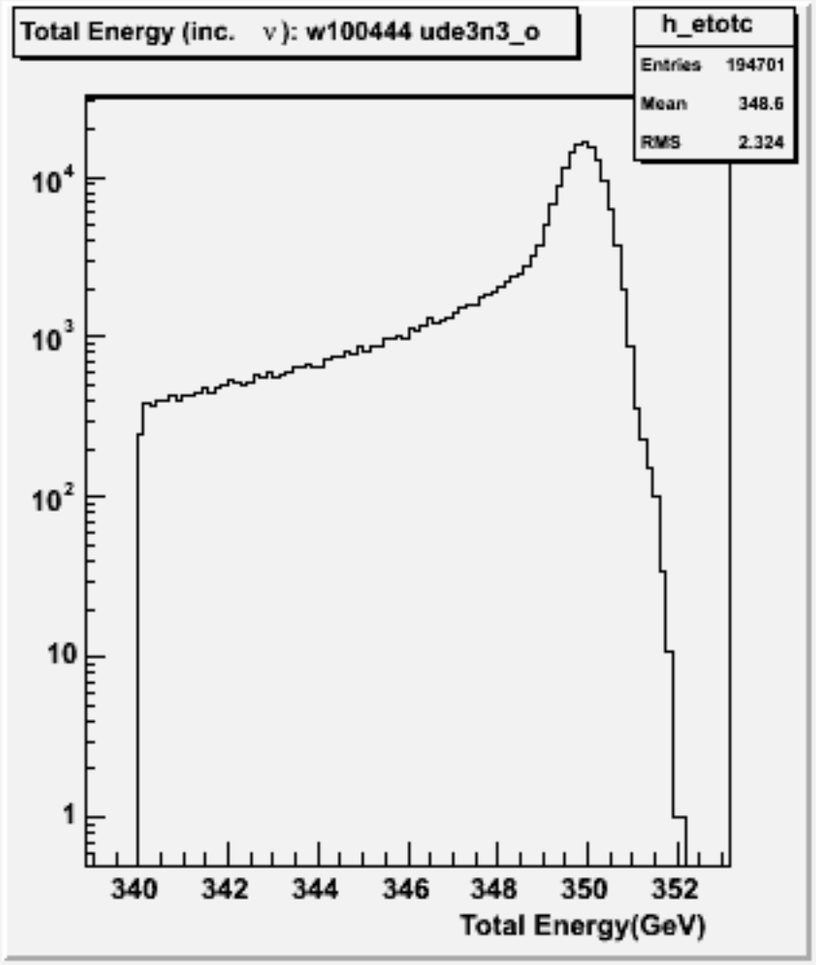

Total Energy (w/o ν): w100444 ude3n3_o
h_evis
Entries 213979
Mean 241.1
RMS 39.09
Energy(GeV)

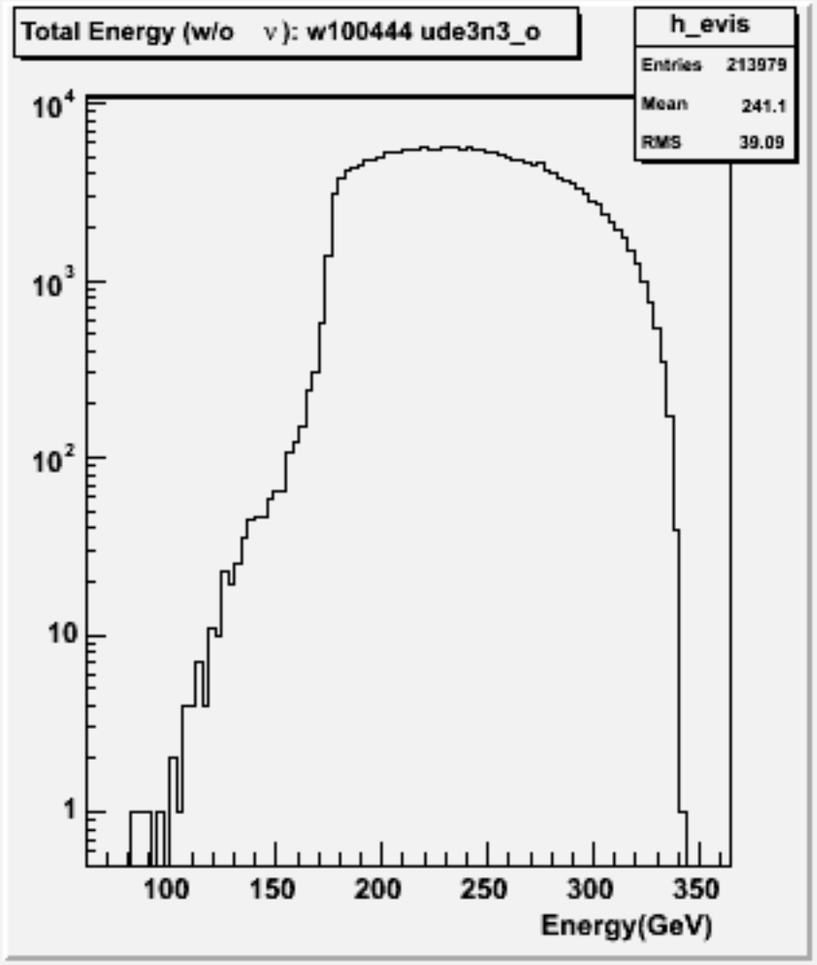

Pt Sum: w100444 ude3n3_o
h_pt
Entries 213979
Mean 47.92
RMS 33.4
Pt(sum) (GeV)

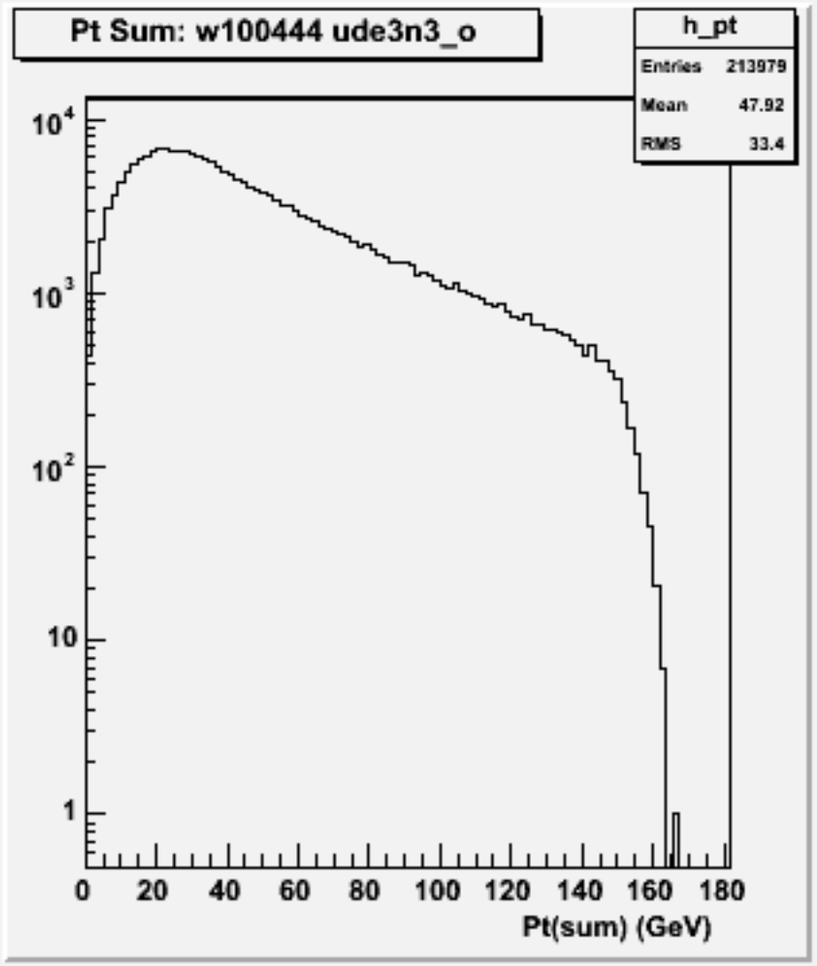

Pz Sum: w100444 ude3n3_o
h_pz
Entries 213979
Mean -61.18
RMS 49.06
Pz(sum) (GeV)

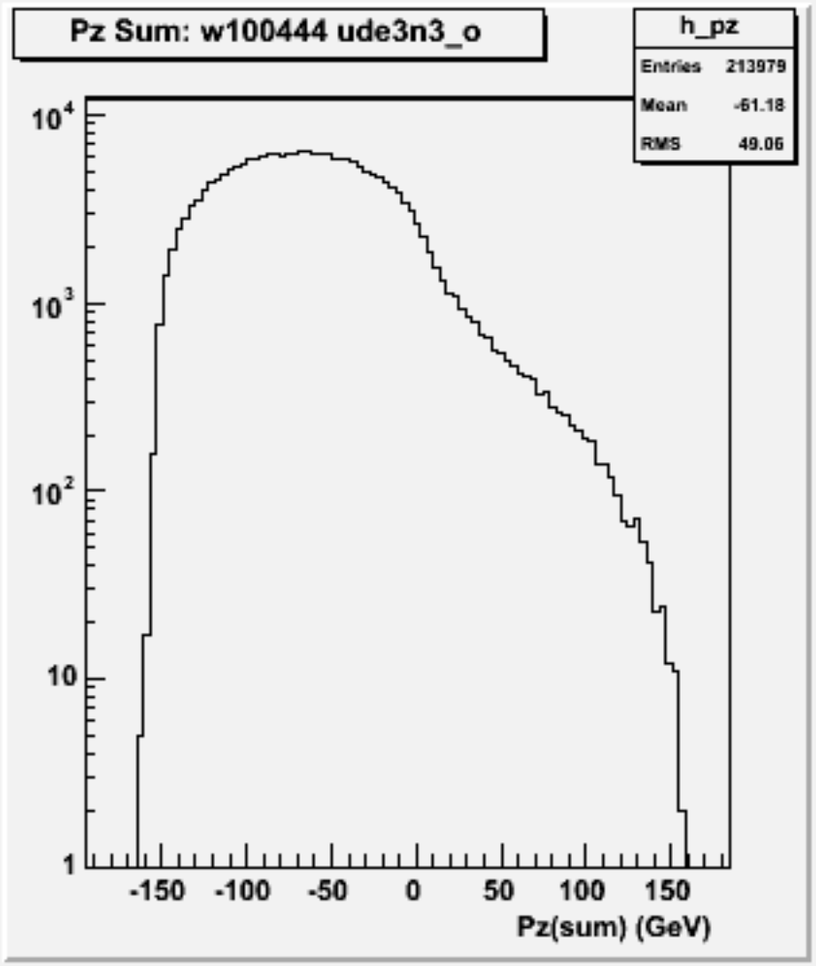

Thrust w100444 ude3n3_o
h_thrust
Entries 213979
Mean 0.8936
RMS 0.05827
Thrust

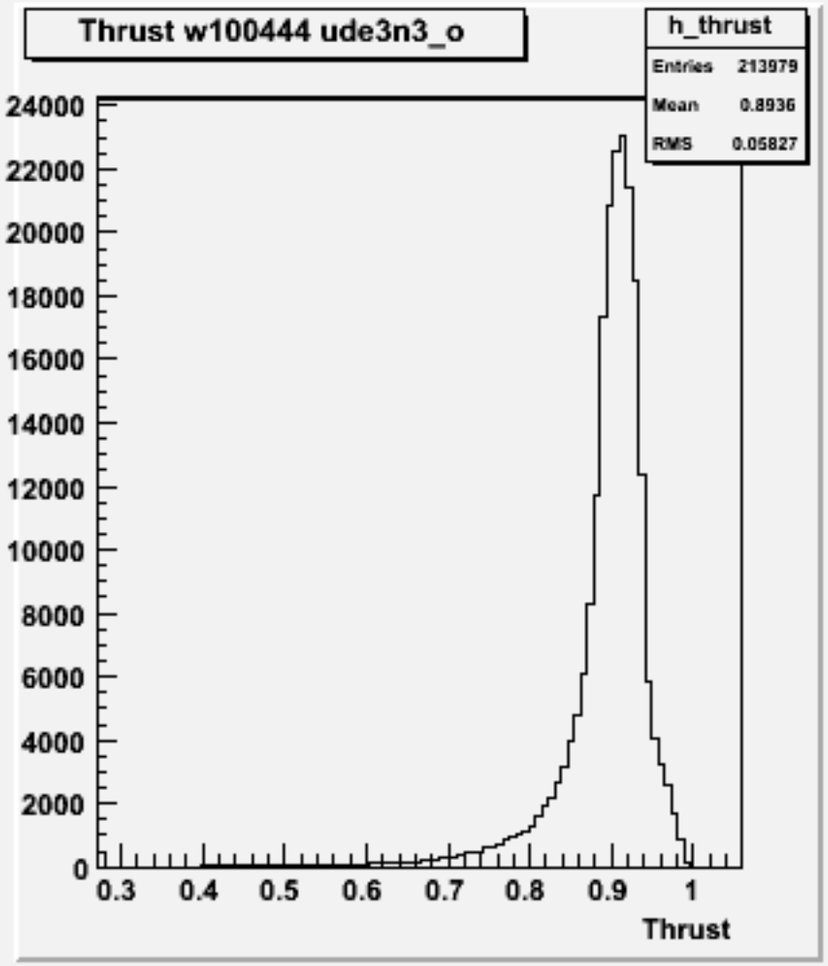

Total Energy (inc. ν): w100444 ude3n3_o
h_etot
Entries 213979
Mean 346.9
RMS 7.077
Total Energy(GeV)

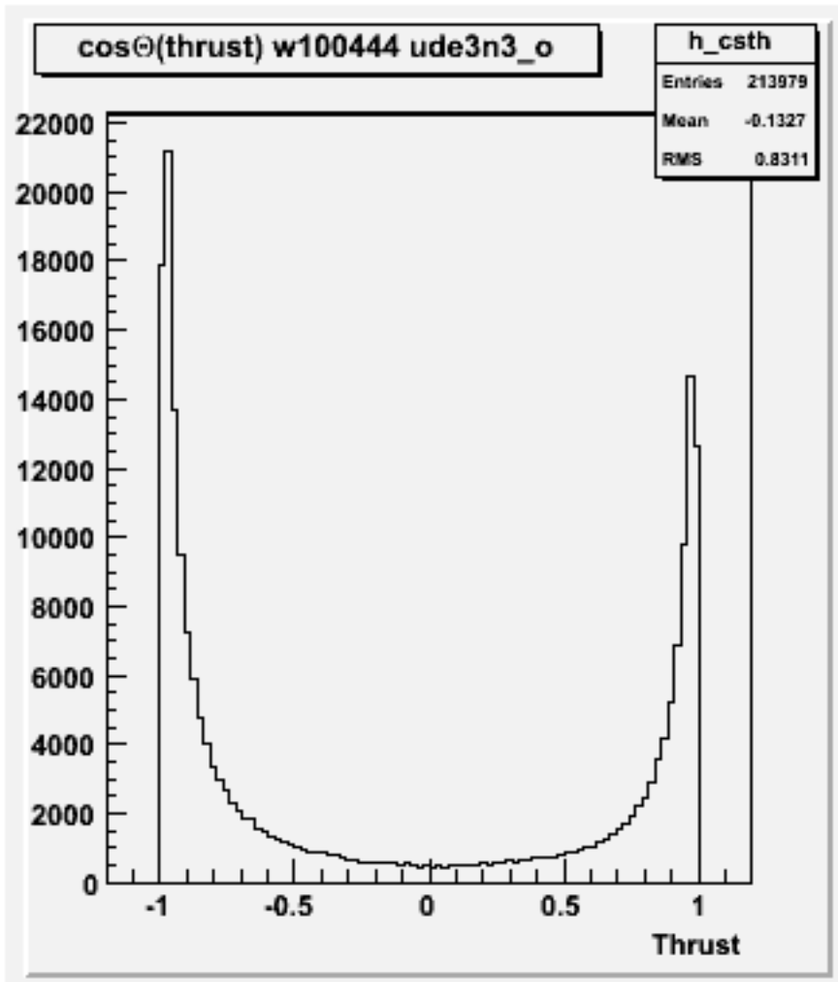

Total Energy (inc. ν): w100444 ude3n3_o
h_etotc
Entries 194701
Mean 348.6
RMS 2.324
Total Energy(GeV)

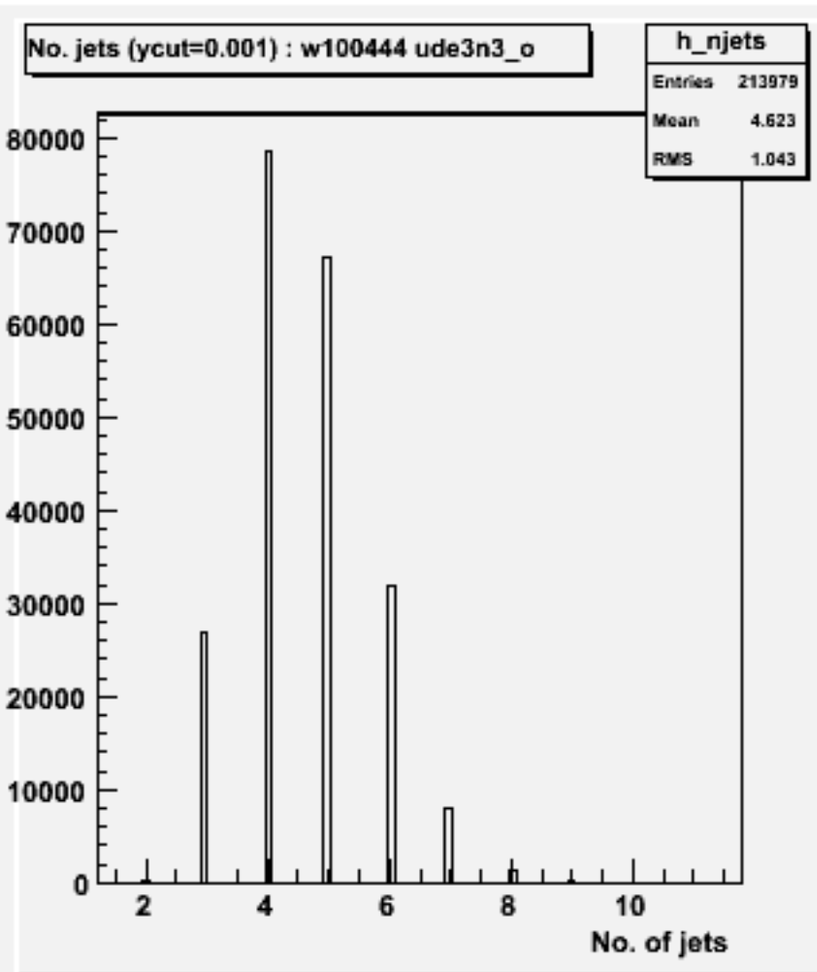

Total Energy (w/o ν): w100444 ude3n3_o
h_evis
Entries 213979
Mean 241.1
RMS 39.09
Energy(GeV)

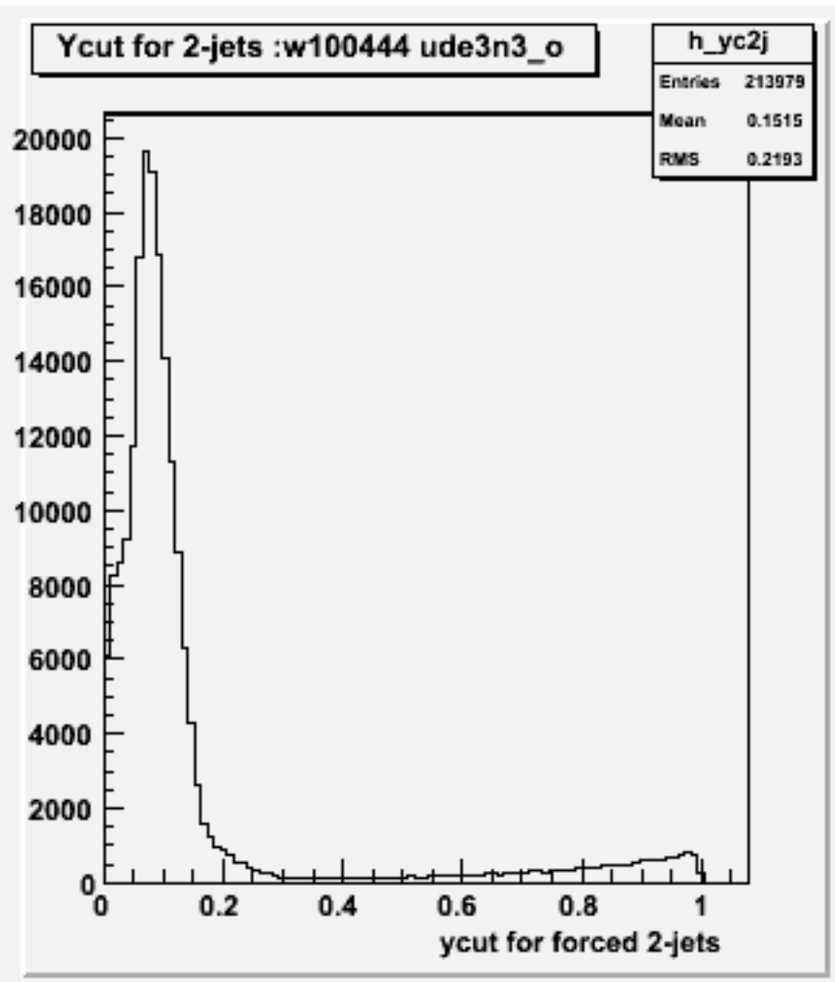

Pt Sum: w100444 ude3n3_o
h_pt
Entries 213979
Mean 47.92
RMS 33.4
Pt(sum) (GeV)

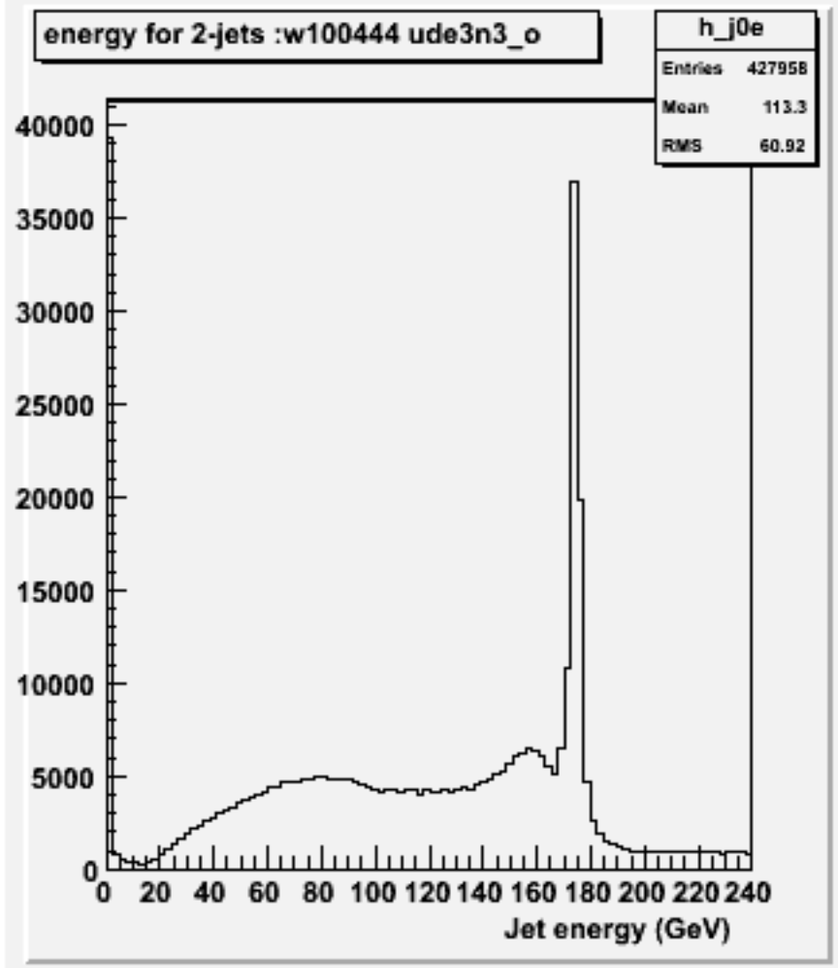

Pz Sum: w100444 ude3n3_o
h_pz
Entries 213979
Mean -61.18
RMS 49.06
Pz(sum) (GeV)

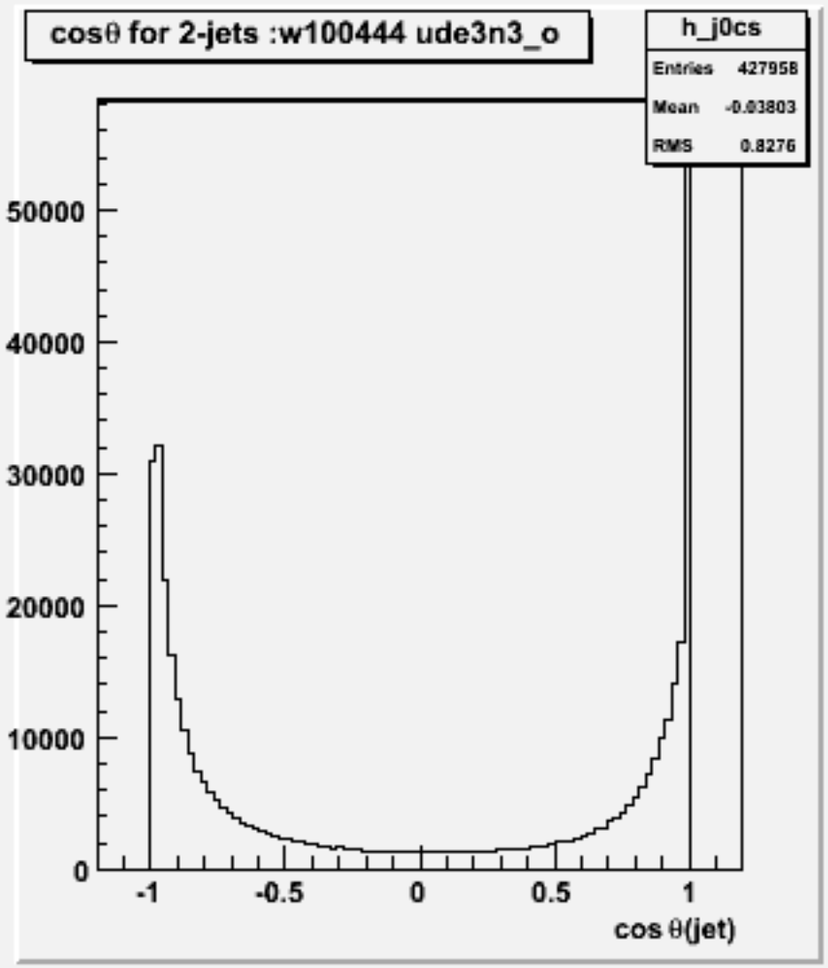

Thrust w100444 ude3n3_o
h_thrust
Entries 213979
Mean 0.8936
RMS 0.05827
Thrust

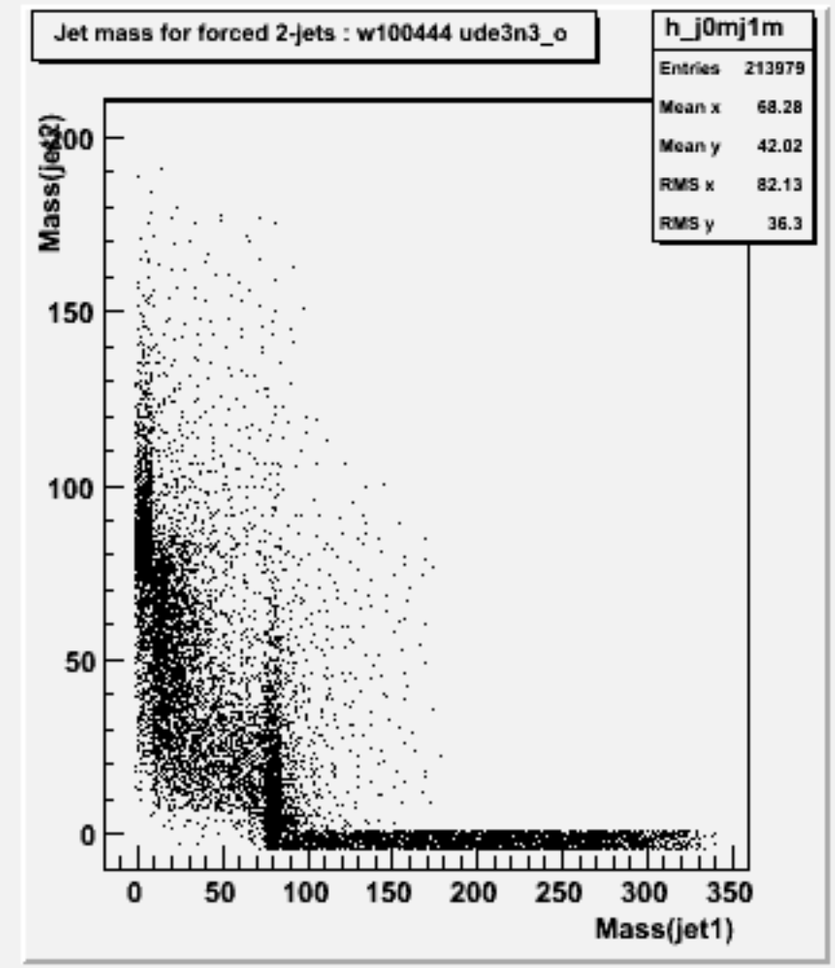

cosΘ(thrust) w100444 ude3n3_o
h_csth
Entries 213979
Mean -0.1327
RMS 0.8311
Thrust

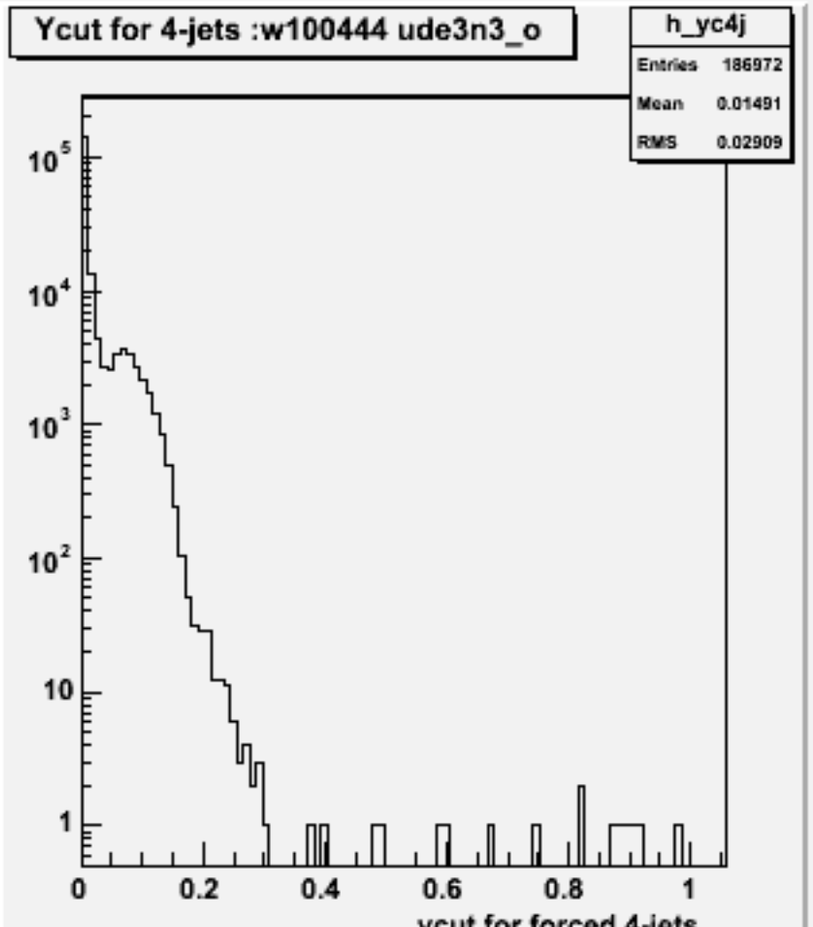

No. jets (ycut=0.001) : w100444 ude3n3_o
h_njets
Entries 213979
Mean 4.623
RMS 1.043
No. of jets

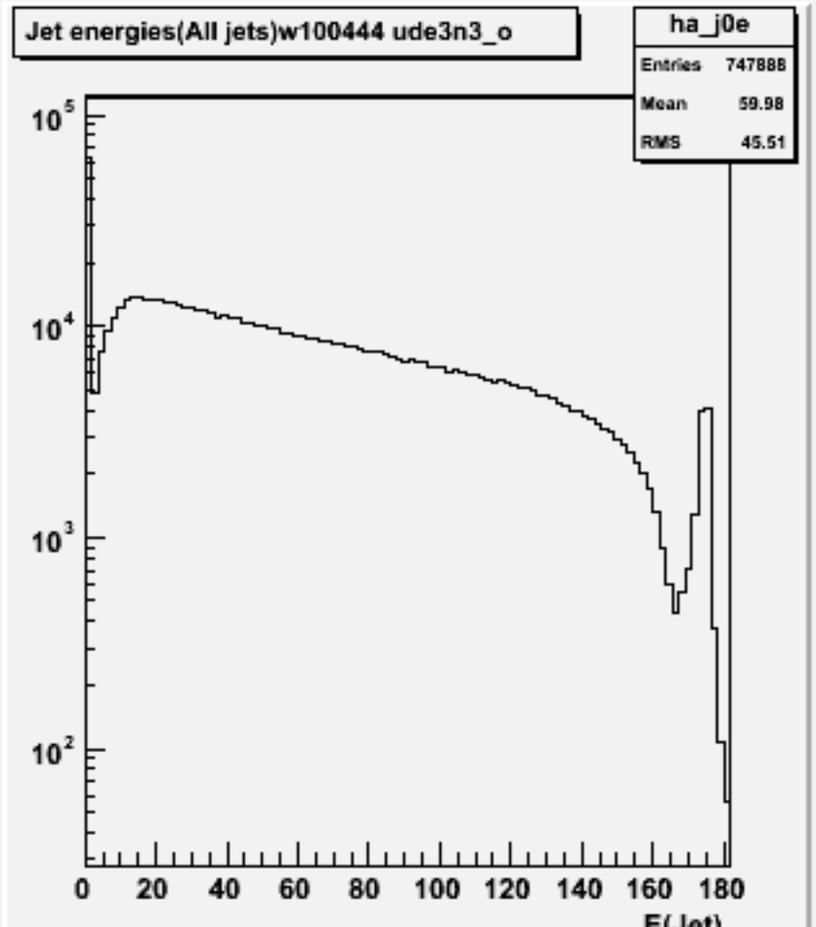

Ycut for 2-jets :w100444 ude3n3_o
h_yc2j
Entries 213979
Mean 0.1515
RMS 0.2193
ycut for forced 2-jets

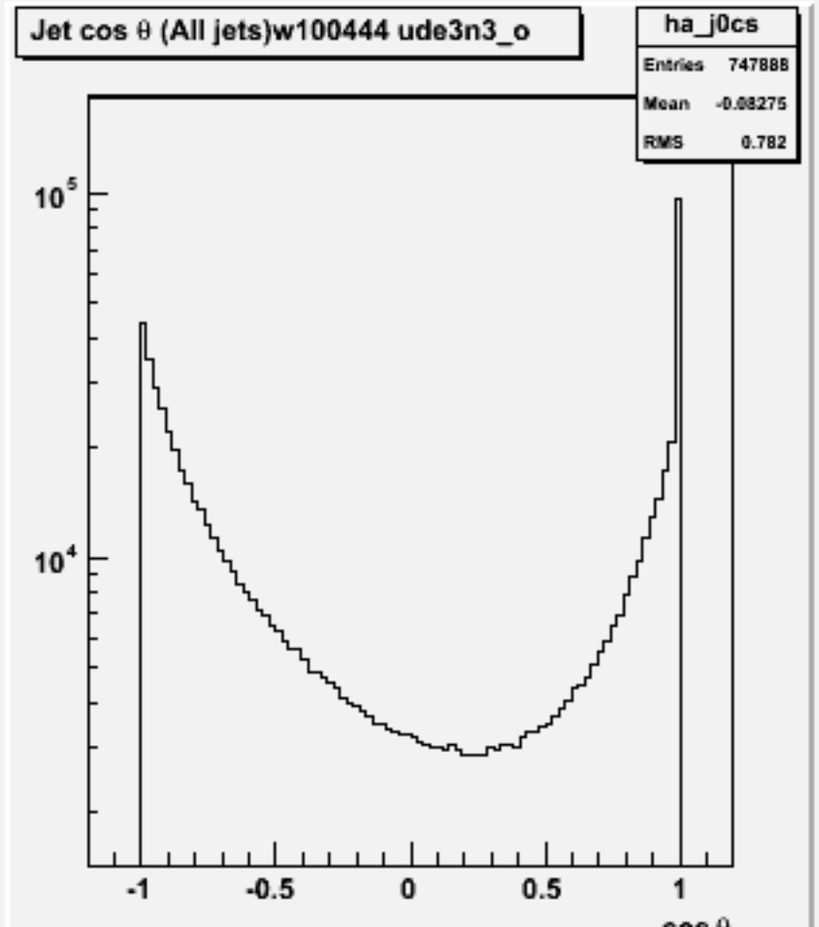

energy for 2-jets :w100444 ude3n3_o
h_j0e
Entries 427958
Mean 113.3
RMS 60.92
Jet energy (GeV)

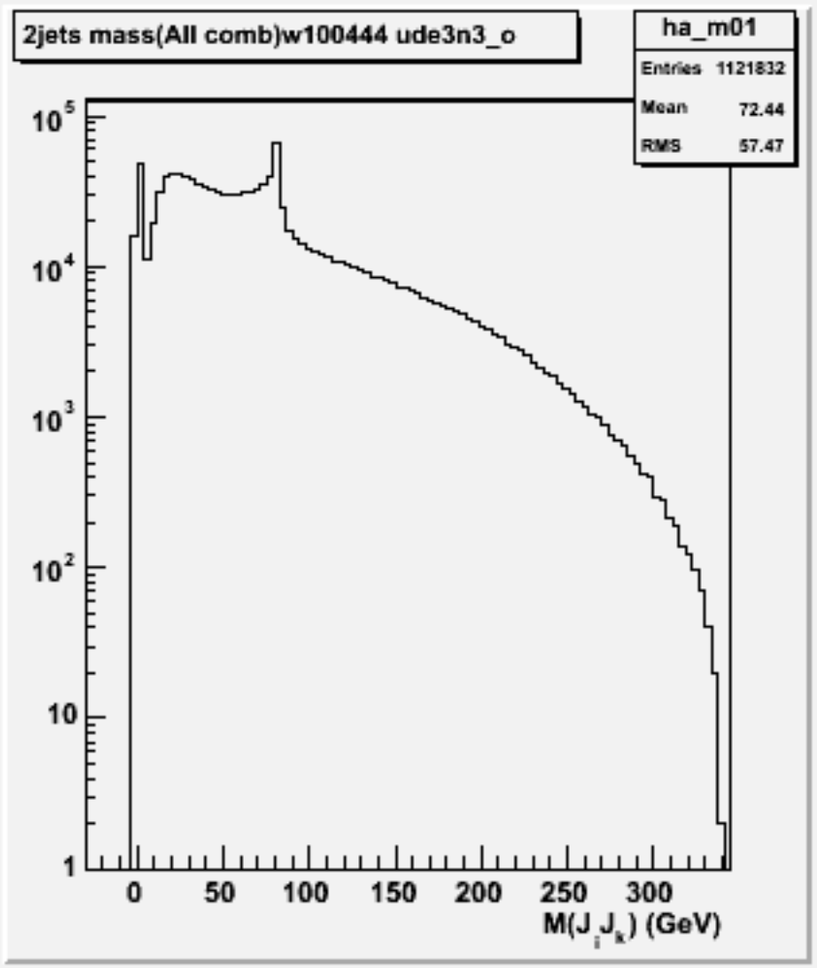

cosθ for 2-jets :w100444 ude3n3_o
h_j0cs
Entries 427958
Mean -0.03803
RMS 0.8276
cos θ(jet)

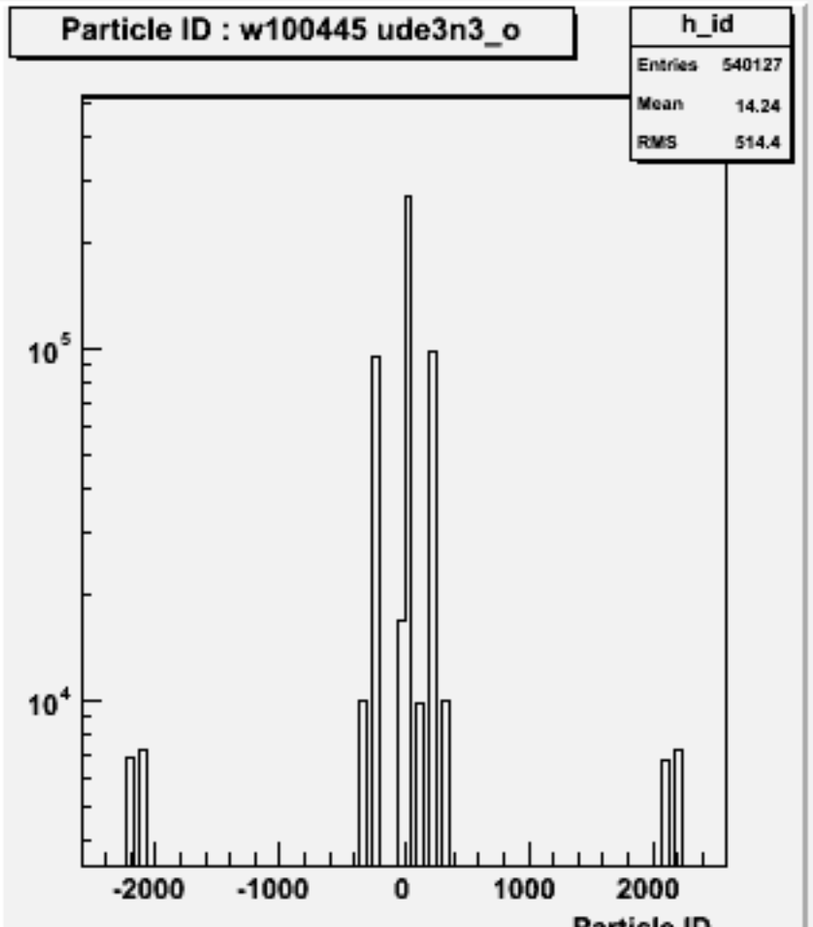

Jet mass for forced 2-jets : w100444 ude3n3_o
h_j0mj1m
Entries 213979
Mean x 68.28
Mean y 42.02
RMS x 82.13
RMS y 36.3
Mass(jet2)
Mass(jet1)

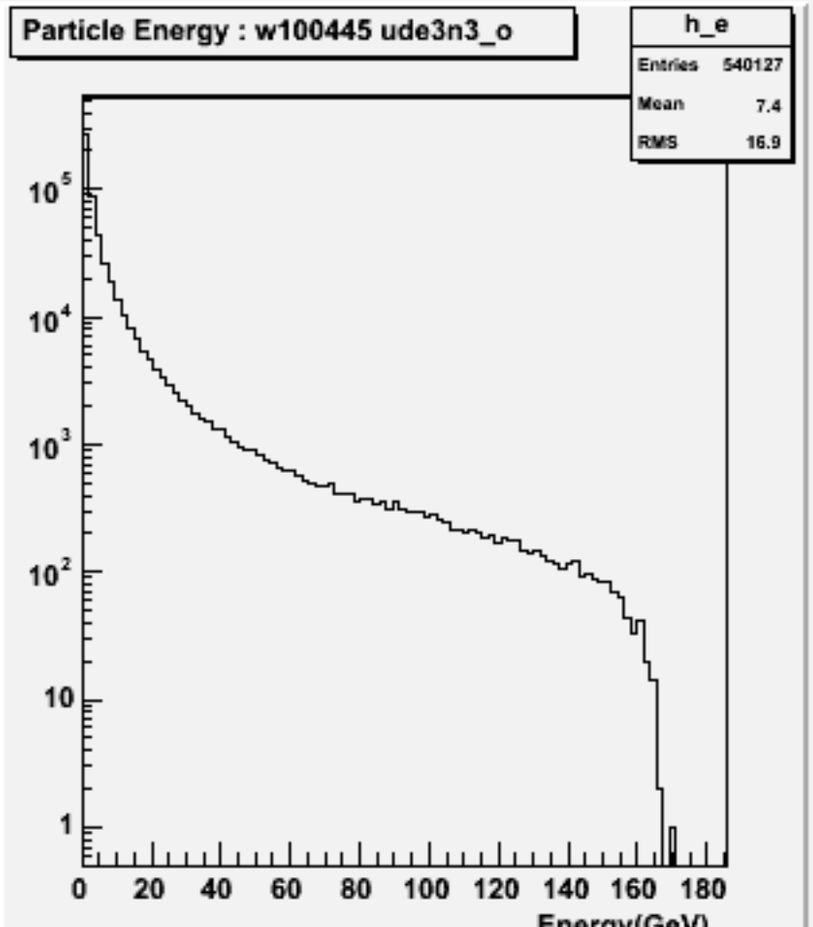

Ycut for 4-jets :w100444 ude3n3_o
h_yc4j
Entries 186972
Mean 0.01491
RMS 0.02909
ycut for forced 4-jets

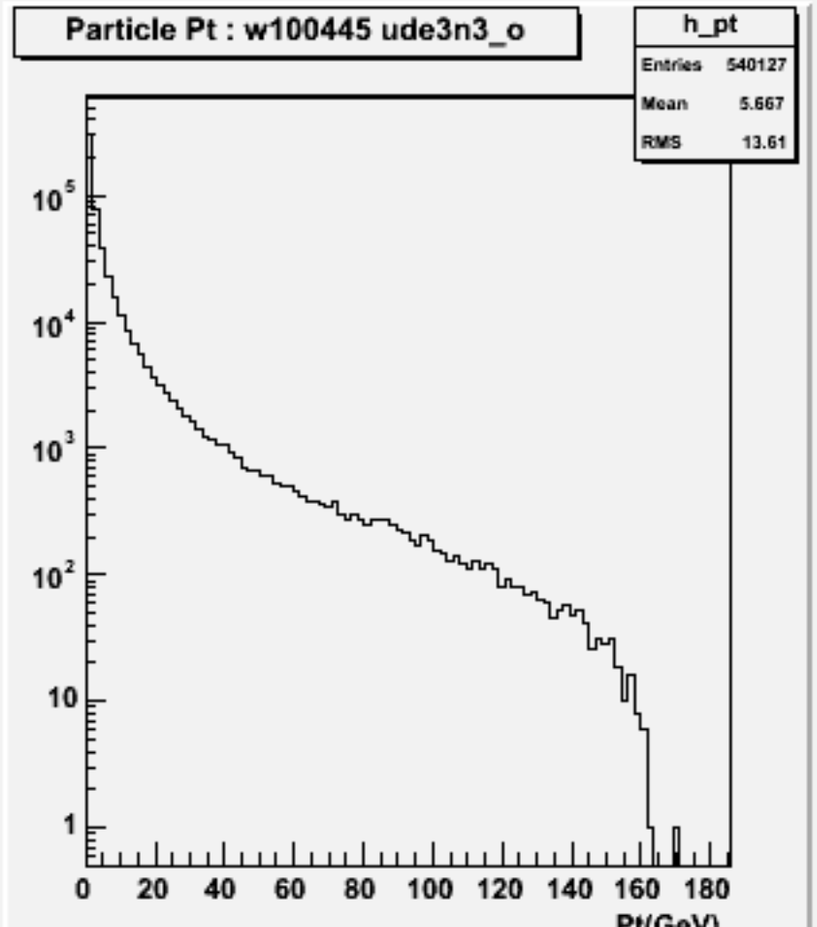

Jet energies(All jets)w100444 ude3n3_o
ha_j0e
Entries 747888
Mean 59.98
RMS 45.51
E(Jet)

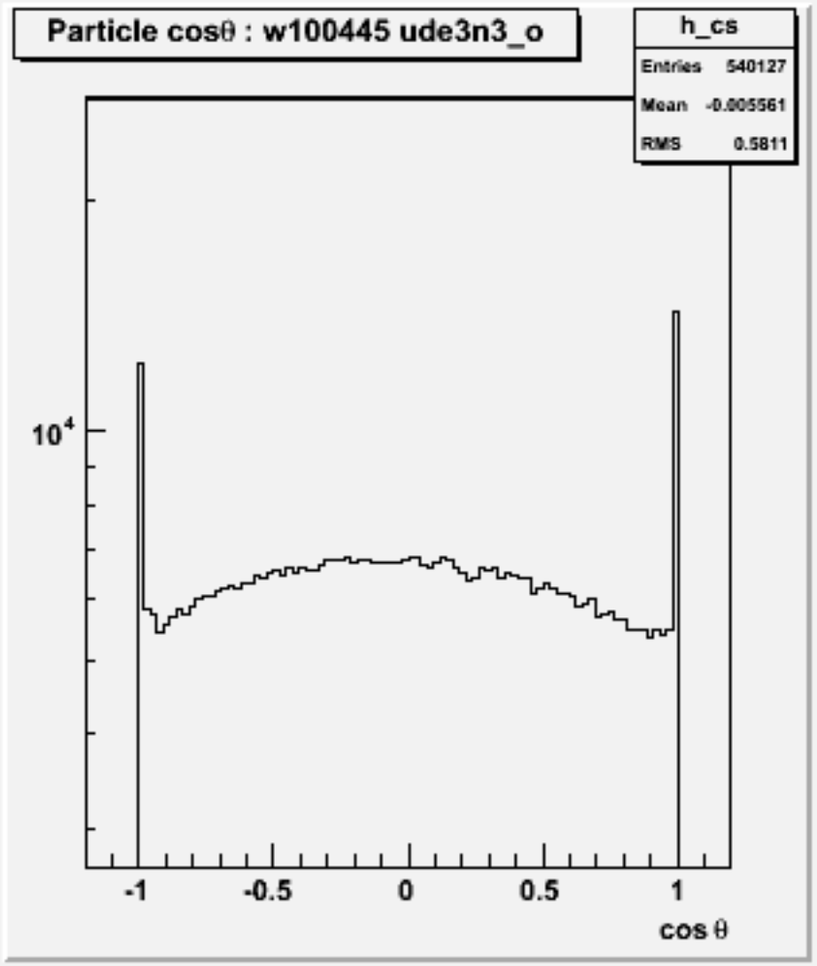

Jet cos θ (All jets)w100444 ude3n3_o
ha_j0cs
Entries 747888
Mean -0.08275
RMS 0.782
cos θ

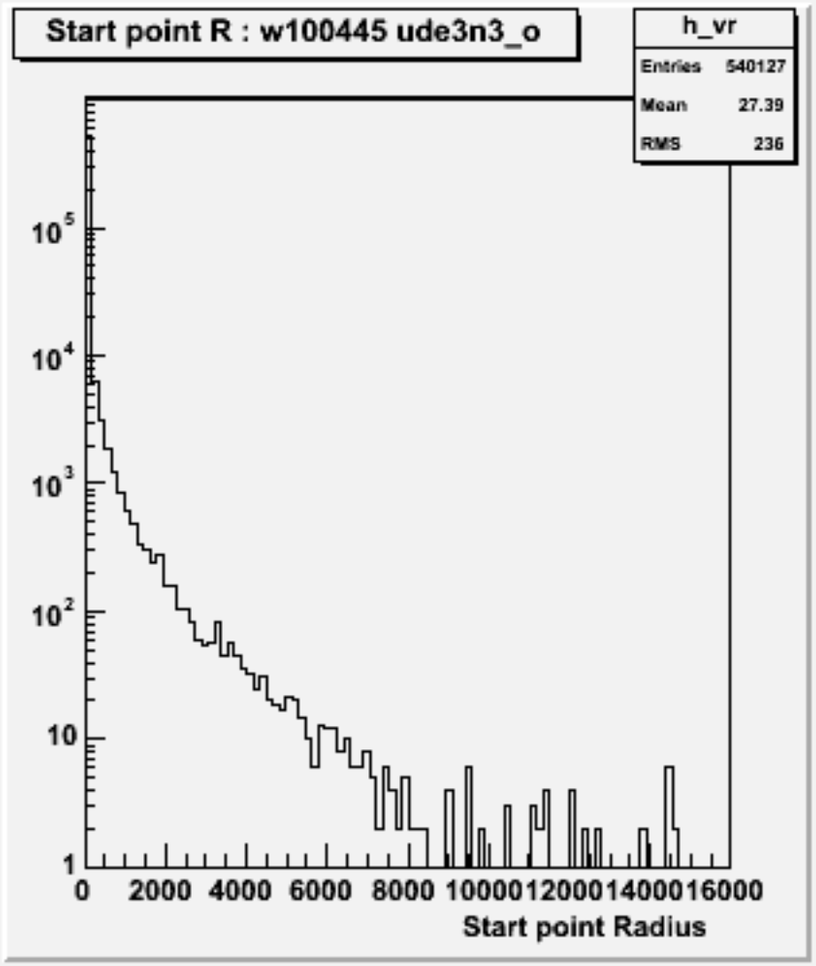

2jets mass(All comb)w100444 ude3n3_o
ha_m01
Entries 1121832
Mean 72.44
RMS 57.47
M(J_iJ_k) (GeV)

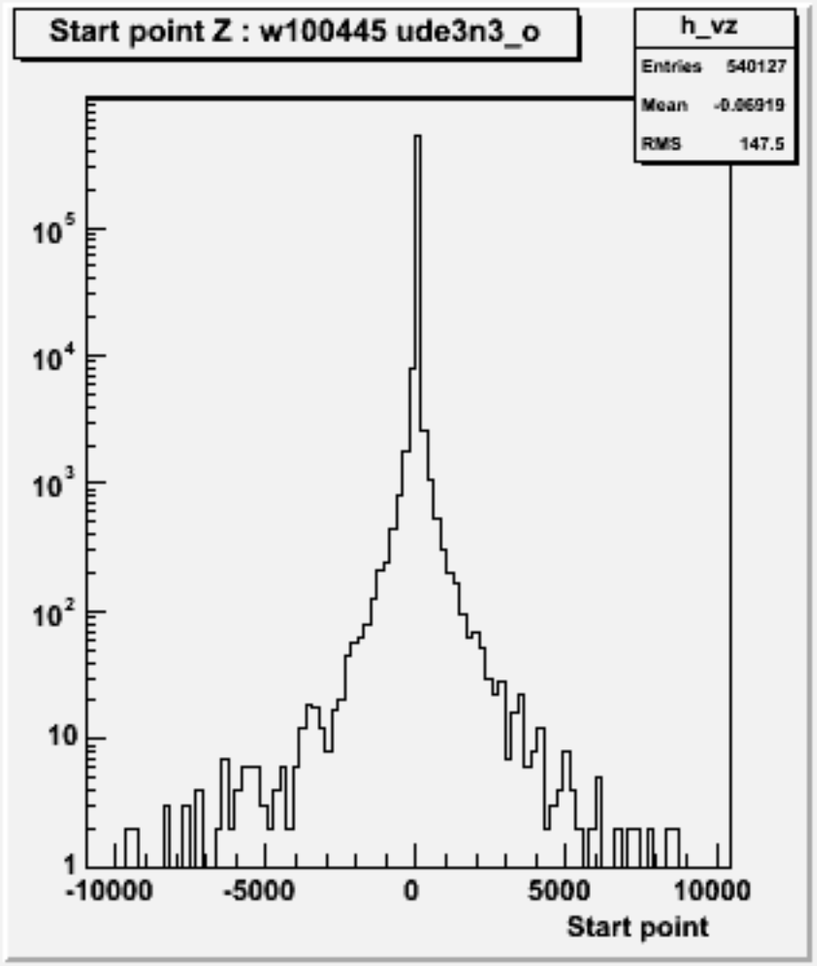

Particle ID : w100445 ude3n3_o
h_id
Entries 540127
Mean 14.24
RMS 514.4
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

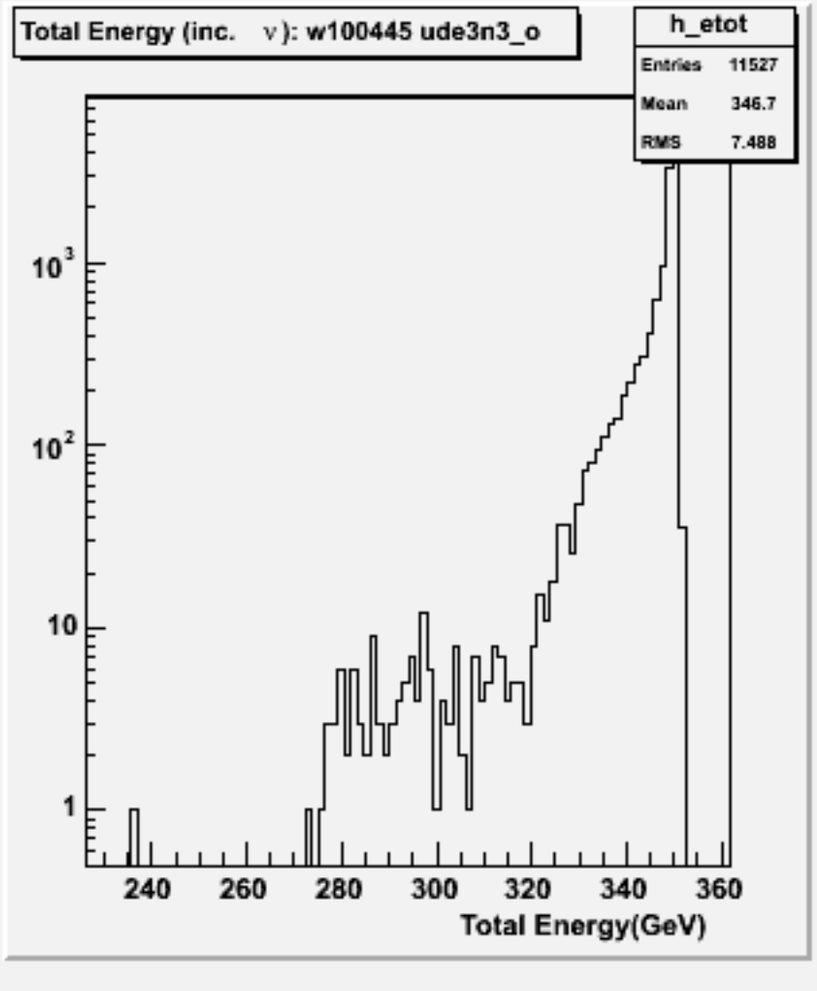

Particle Energy : w100445 ude3n3_o
h_e
Entries 540127
Mean 7.4
RMS 16.9
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

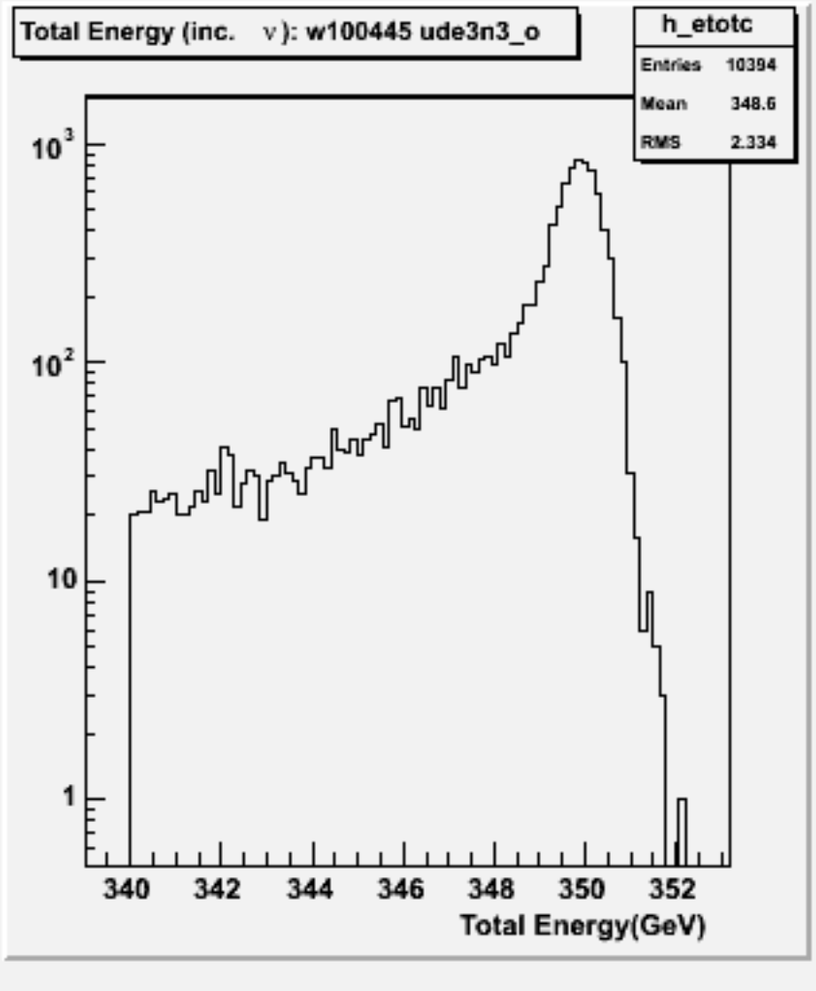

Particle Pt : w100445 ude3n3_o
h_pt
Entries 540127
Mean 5.667
RMS 13.61
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

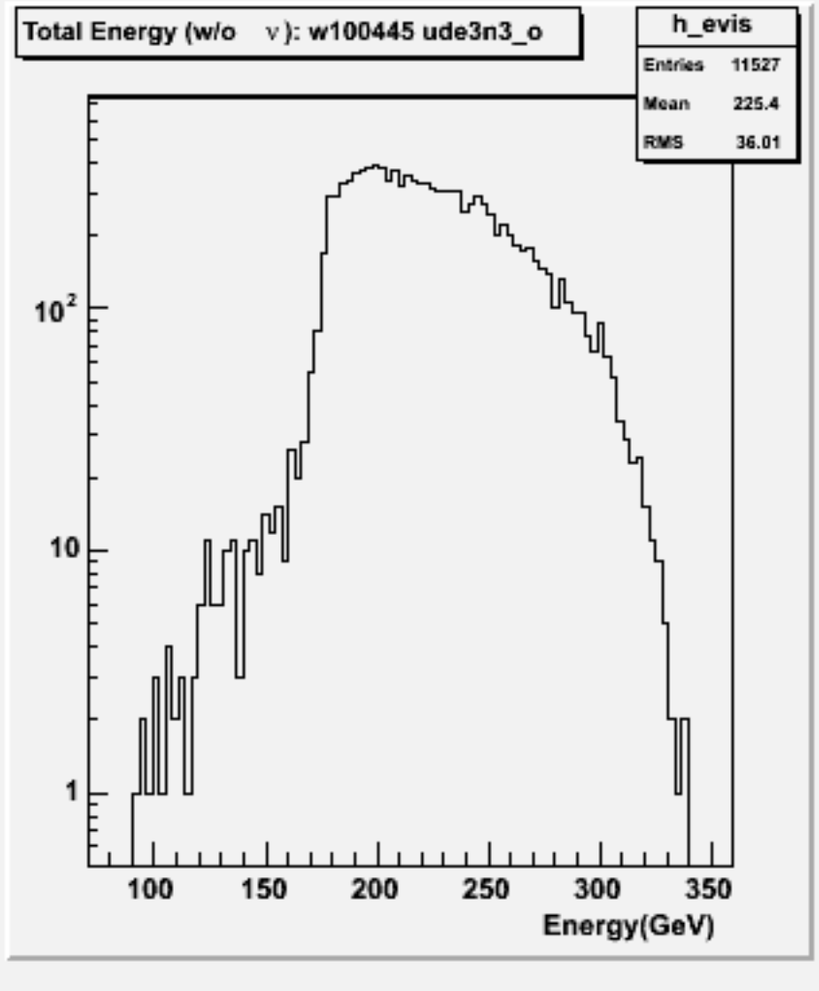

Particle cosθ : w100445 ude3n3_o
h_cs
Entries 540127
Mean -0.005561
RMS 0.5811
10^4
-1
-0.5
0
0.5
1
cos θ

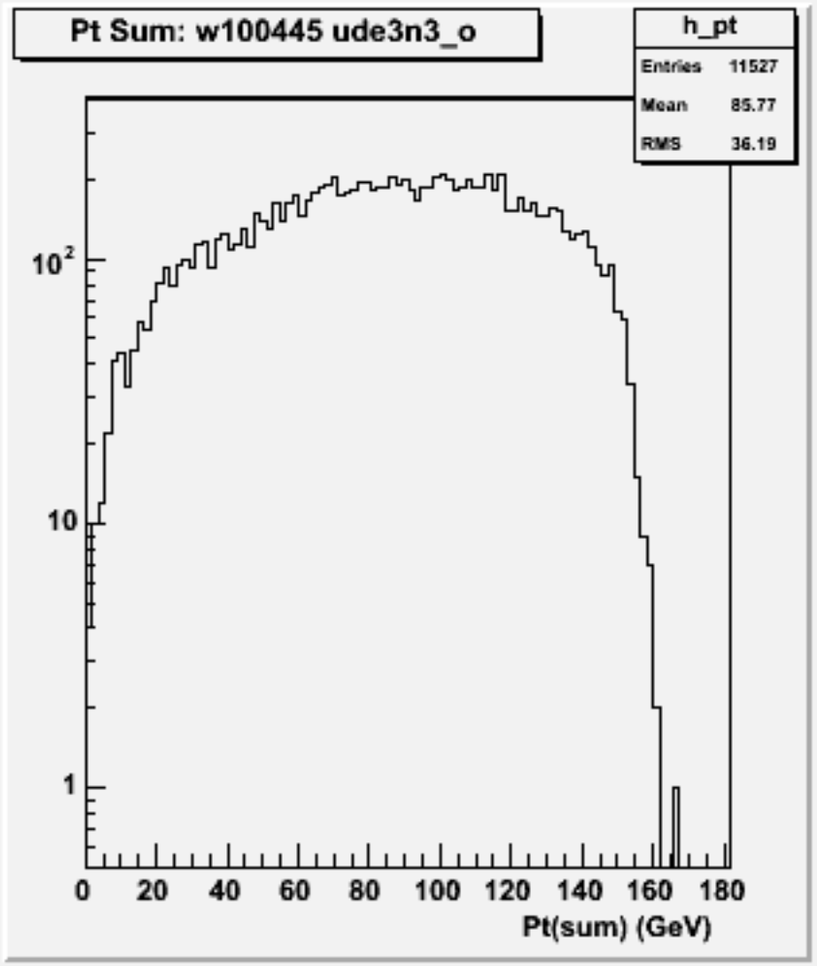

Start point R : w100445 ude3n3_o
h_vr
Entries 540127
Mean 27.39
RMS 236
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
Start point Radius

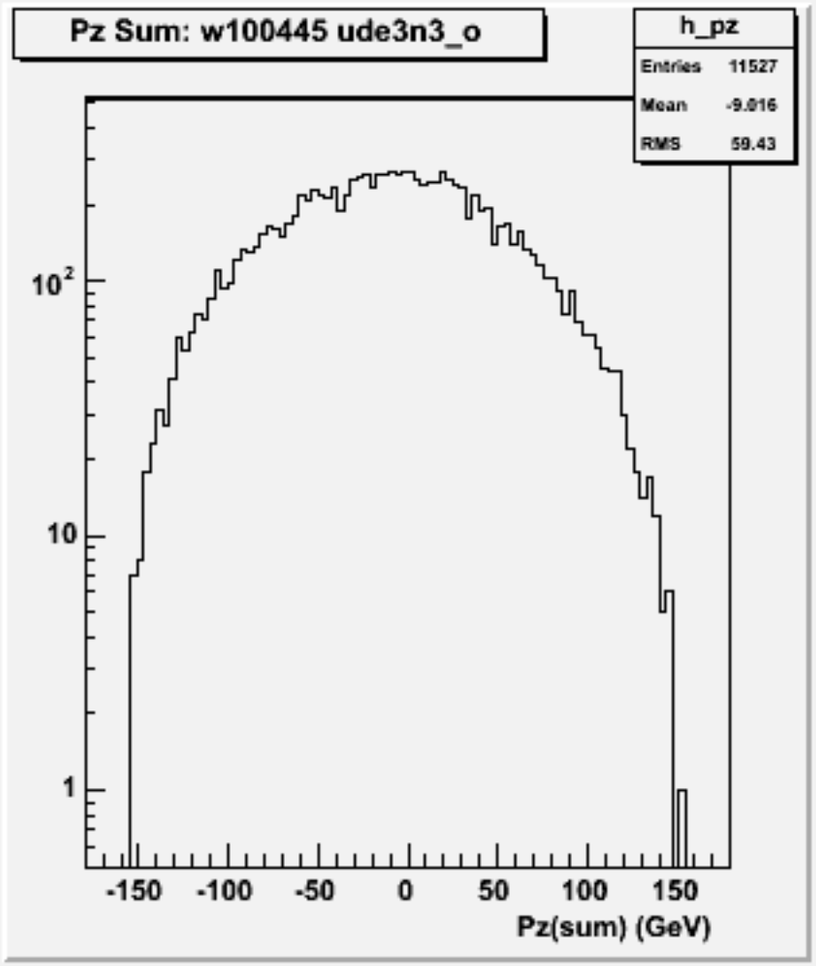

Start point Z : w100445 ude3n3_o
h_vz
Entries 540127
Mean -0.06919
RMS 147.5
10^5
10^4
10^3
10^2
10
1
-10000
-5000
0
5000
10000
Start point

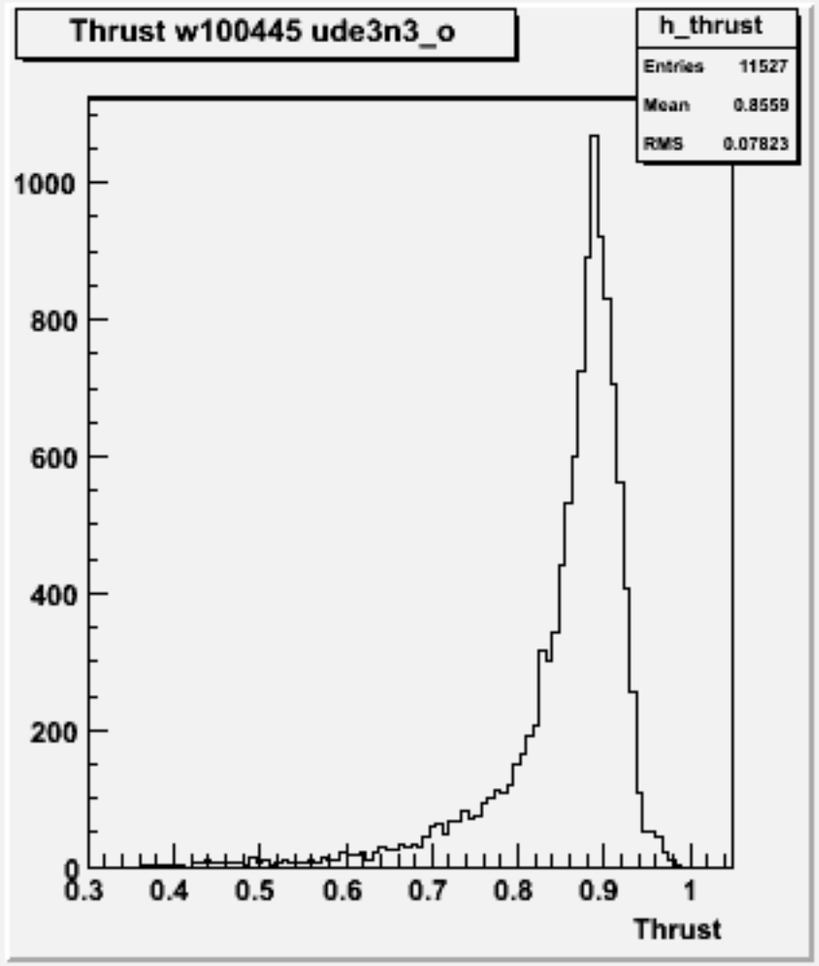

Total Energy (inc. ν): w100445 ude3n3_o
h_etot
Entries 11527
Mean 346.7
RMS 7.488
Total Energy(GeV)

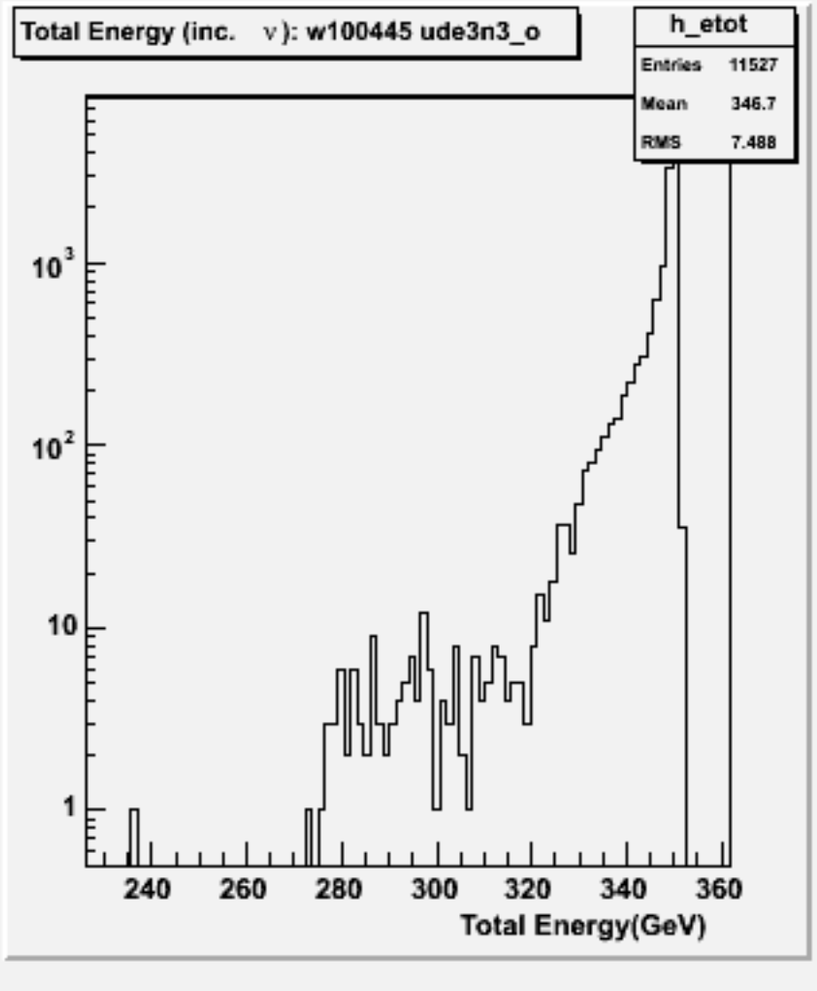

Total Energy (inc. ν): w100445 ude3n3_o
h_etotc
Entries 10394
Mean 348.6
RMS 2.334
Total Energy(GeV)

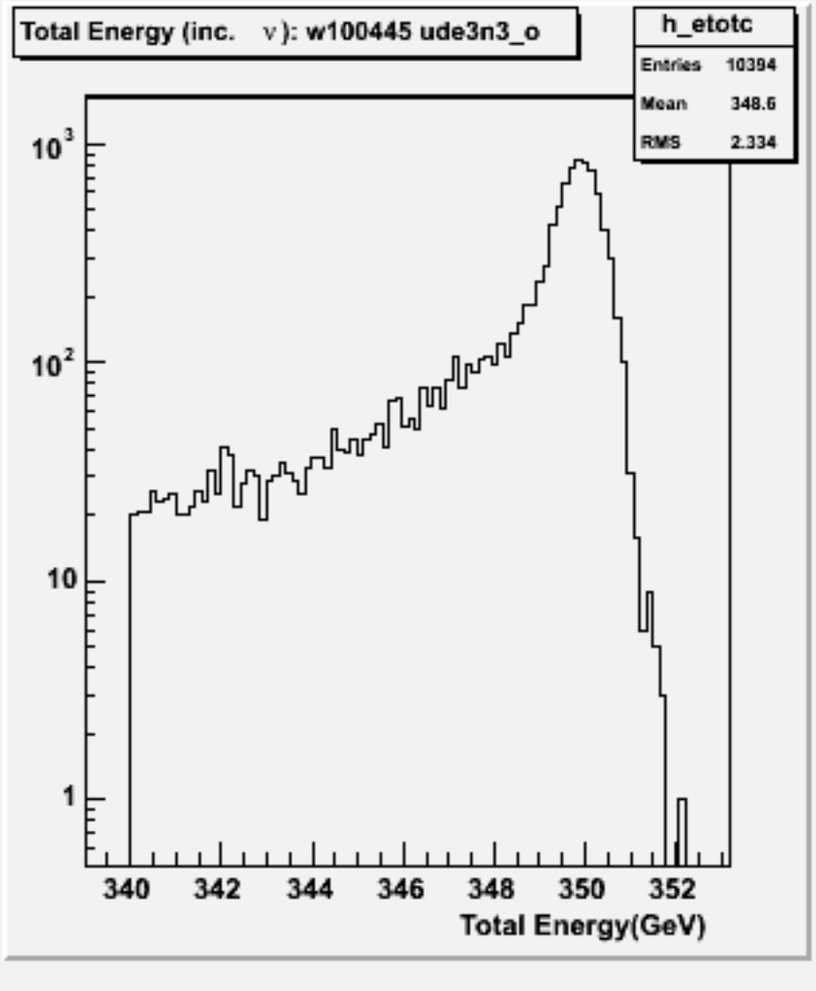

Total Energy (w/o ν): w100445 ude3n3_o
h_evis
Entries 11527
Mean 225.4
RMS 36.01
Energy(GeV)

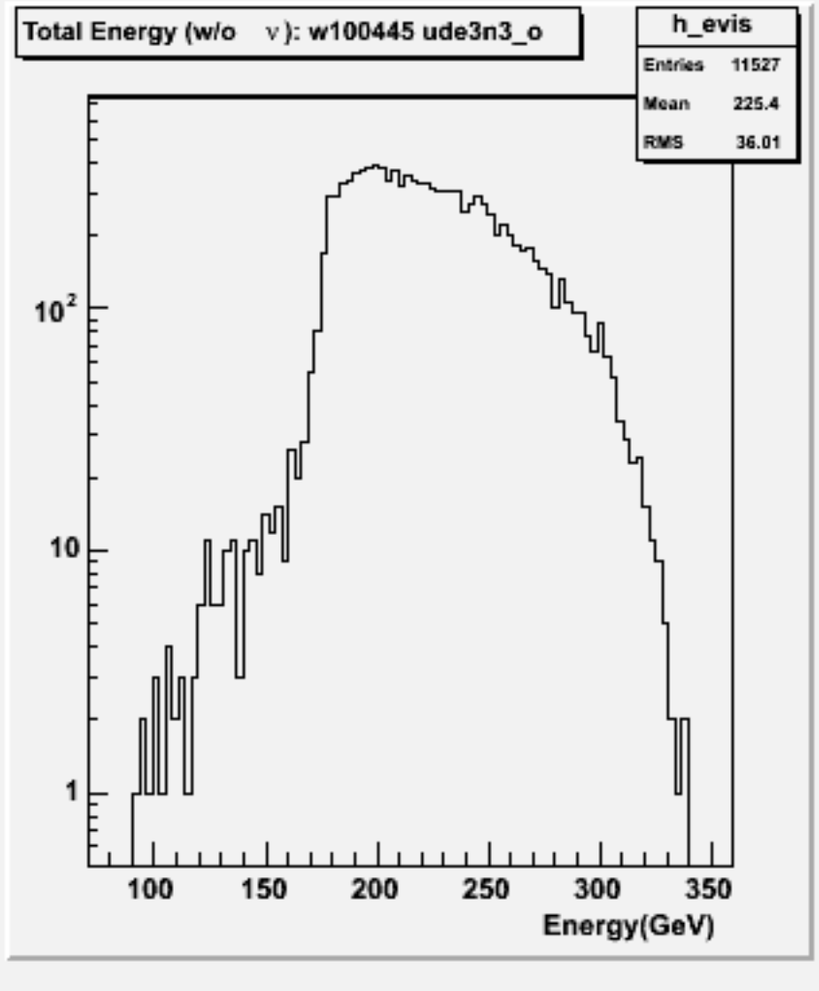

Pt Sum: w100445 ude3n3_o
h_pt
Entries 11527
Mean 85.77
RMS 36.19
Pt(sum) (GeV)

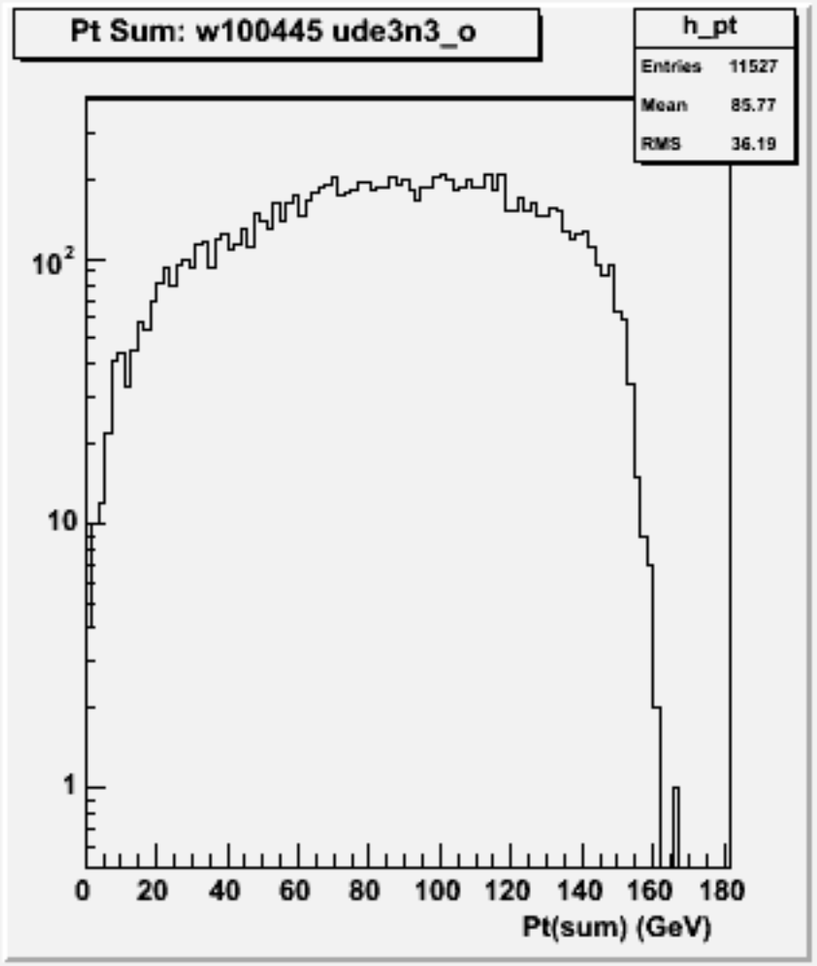

Pz Sum: w100445 ude3n3_o
h_pz
Entries 11527
Mean -9.016
RMS 59.43
Pz(sum) (GeV)

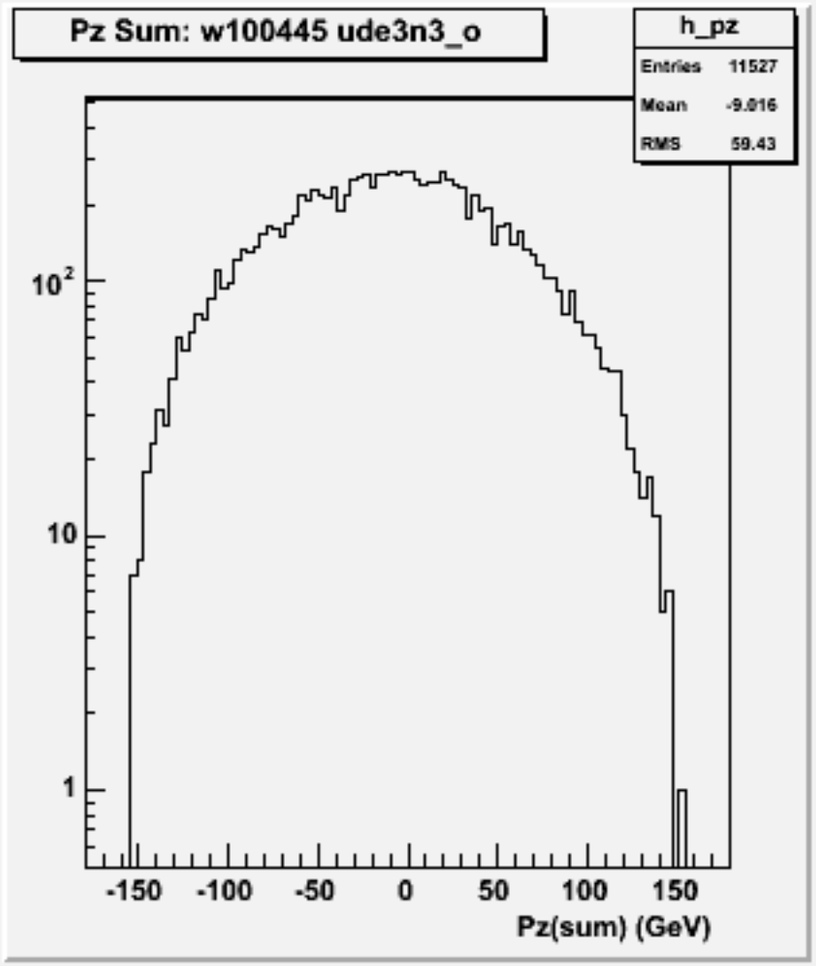

Thrust w100445 ude3n3_o
h_thrust
Entries 11527
Mean 0.8559
RMS 0.07823
Thrust

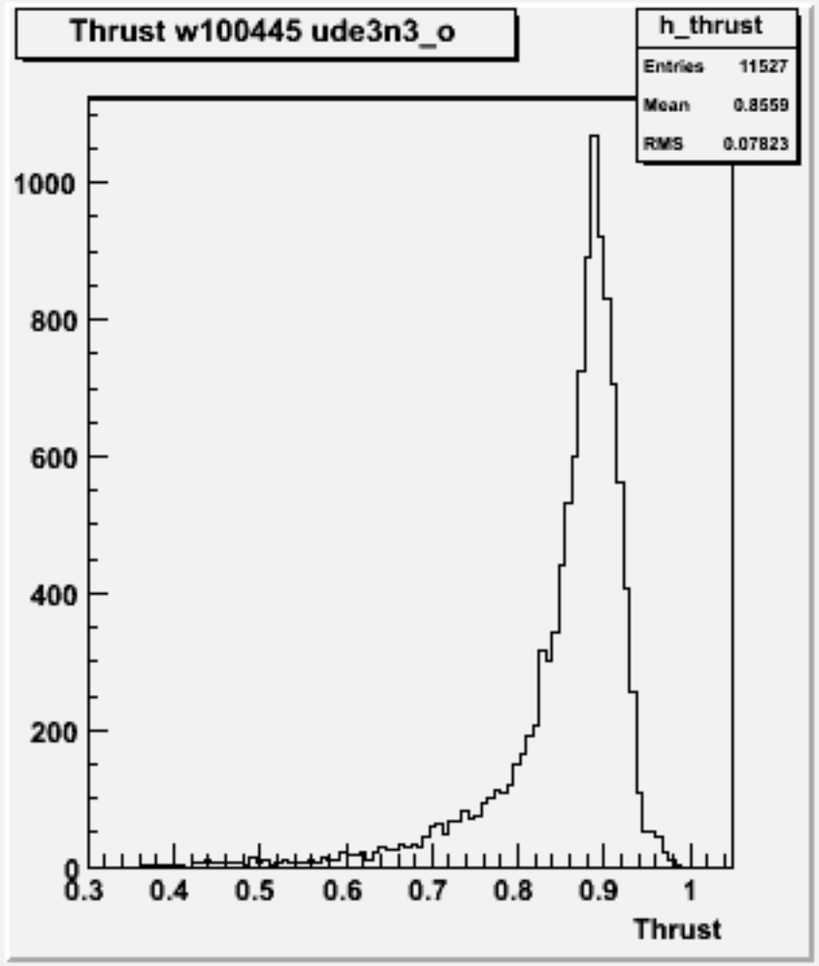

Total Energy (inc. ν): w100445 ude3n3_o
h_etot
Entries 11527
Mean 346.7
RMS 7.488
Total Energy(GeV)

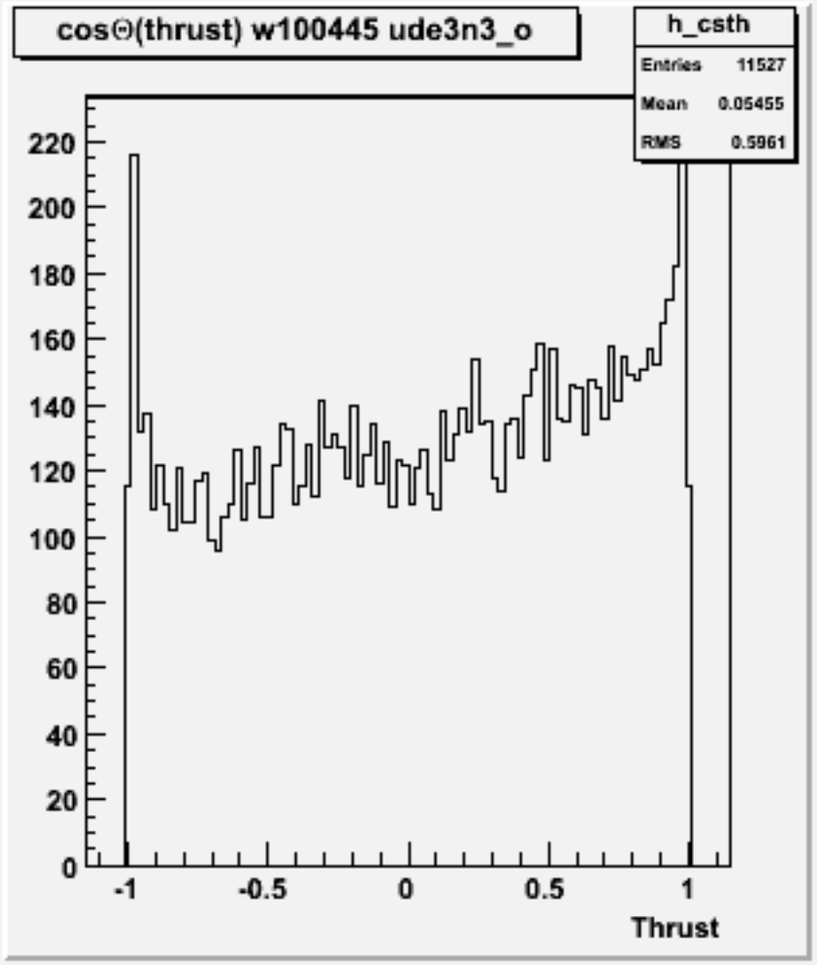

Total Energy (inc. ν): w100445 ude3n3_o
h_etotc
Entries 10394
Mean 348.6
RMS 2.334
Total Energy(GeV)

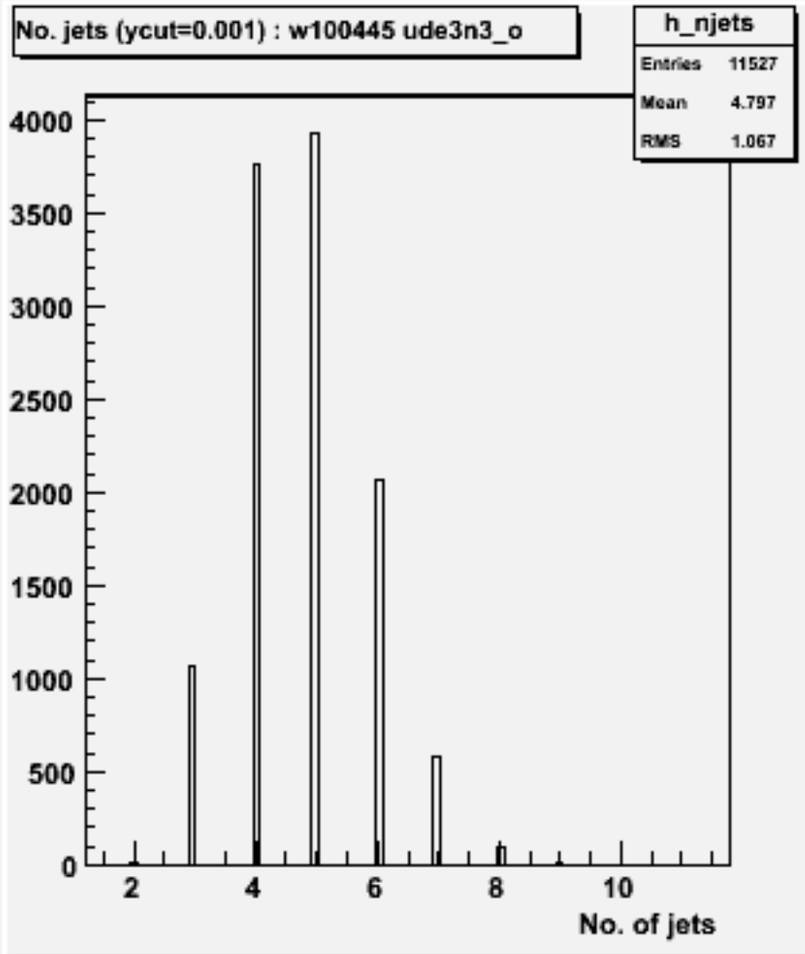

Total Energy (w/o ν): w100445 ude3n3_o
h_evis
Entries 11527
Mean 225.4
RMS 36.01
Energy(GeV)

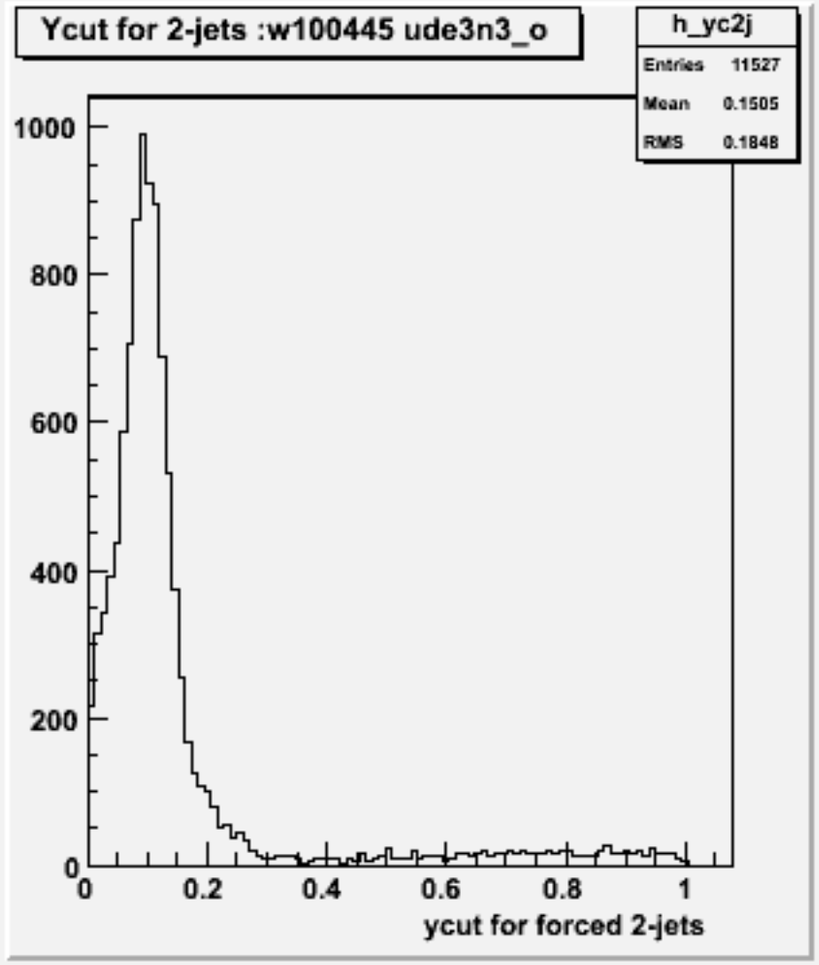

Pt Sum: w100445 ude3n3_o
h_pt
Entries 11527
Mean 85.77
RMS 36.19
Pt(sum) (GeV)

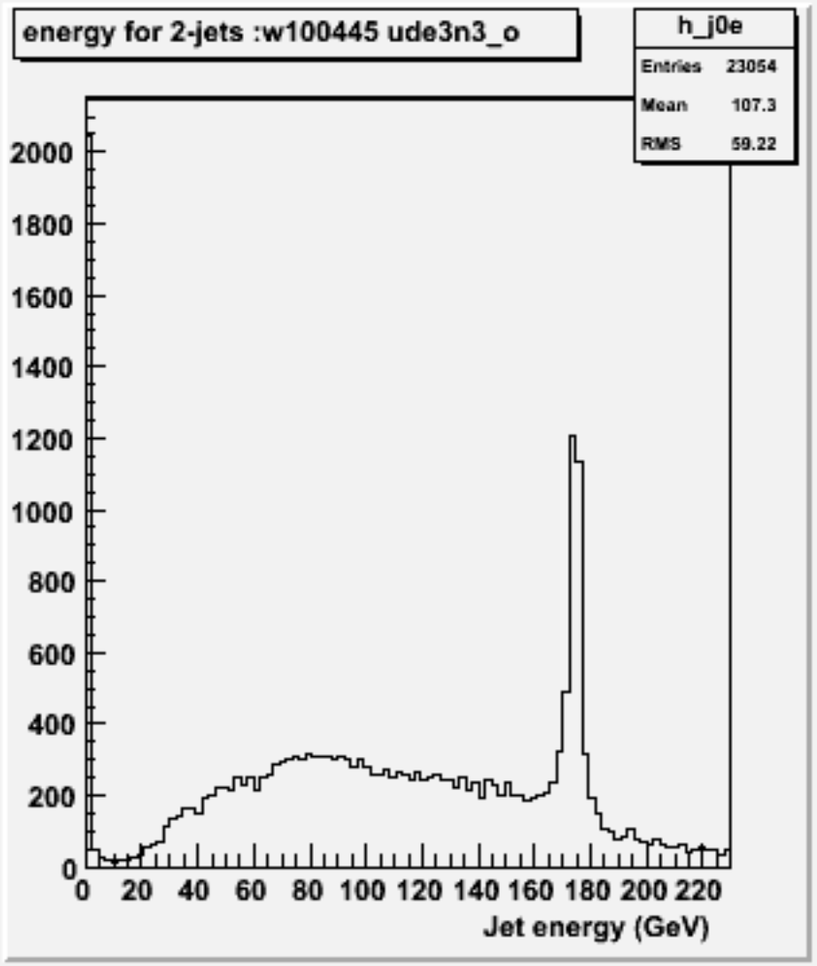

Pz Sum: w100445 ude3n3_o
h_pz
Entries 11527
Mean -9.016
RMS 59.43
Pz(sum) (GeV)

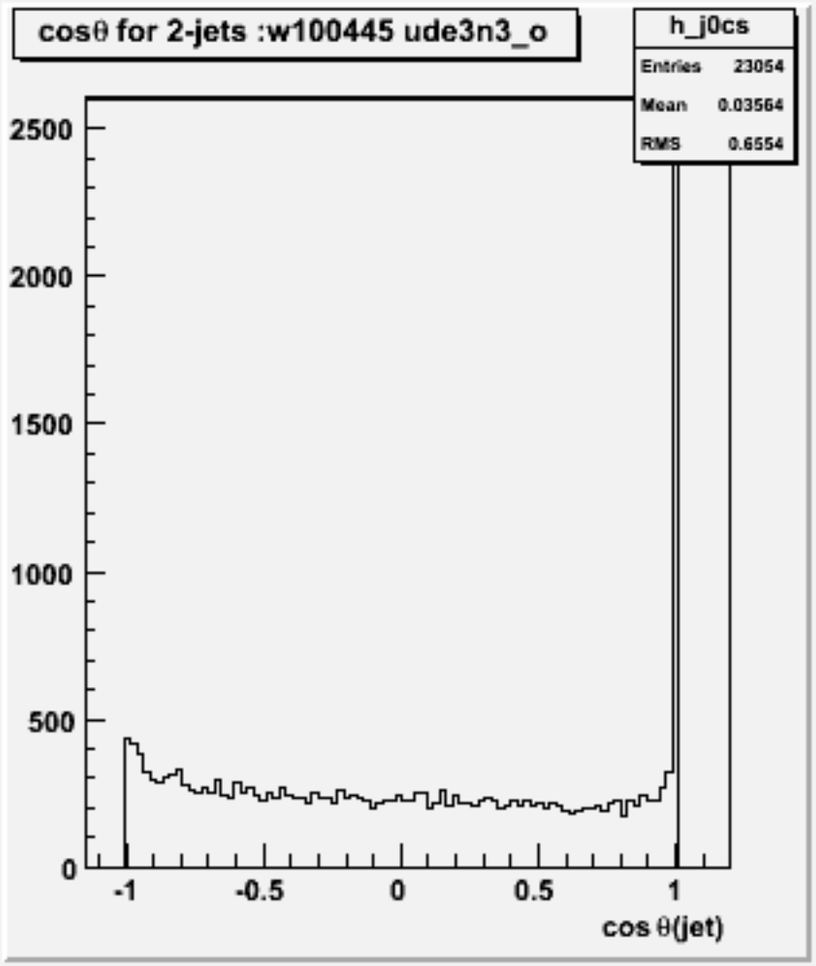

Thrust w100445 ude3n3_o
h_thrust
Entries 11527
Mean 0.8559
RMS 0.07823
Thrust

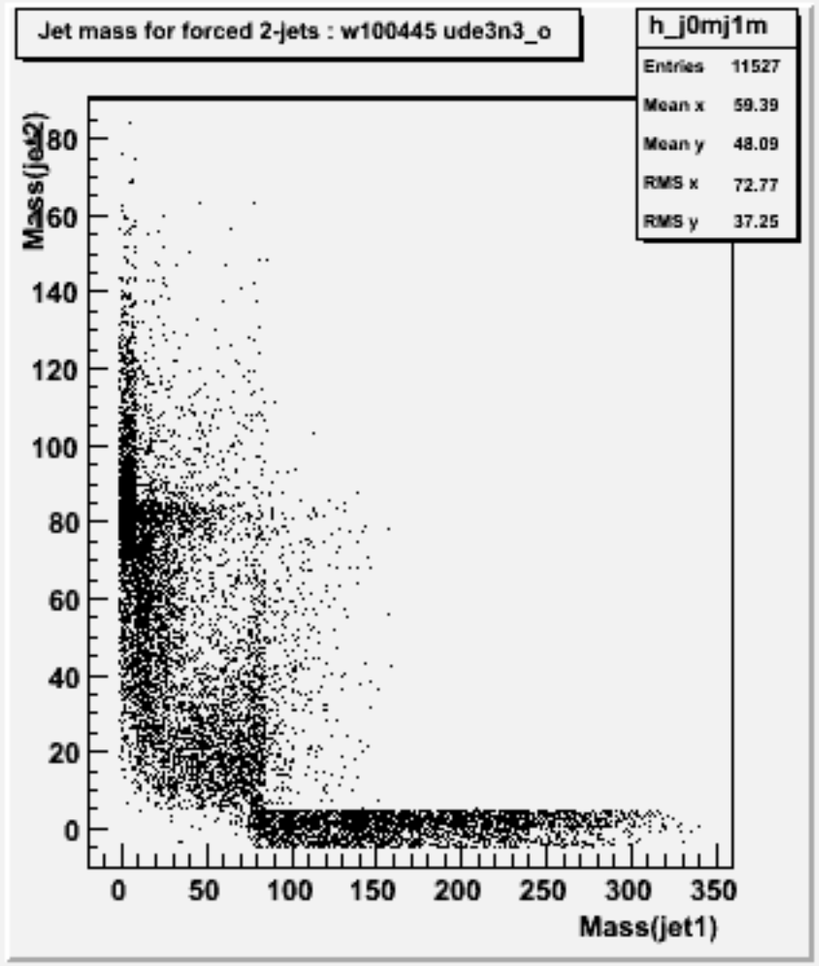

cosΘ(thrust) w100445 ude3n3_o
h_csth
Entries 11527
Mean 0.05455
RMS 0.5961
Thrust

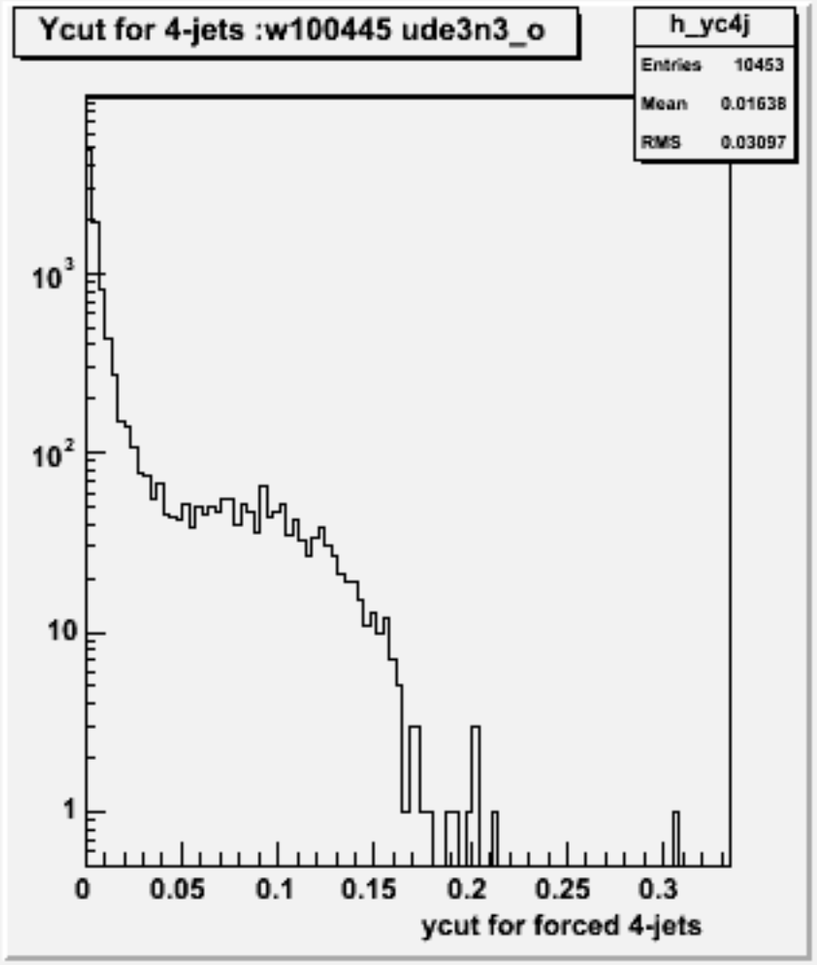

No. jets (ycut=0.001) : w100445 ude3n3_o
h_njets
Entries 11527
Mean 4.797
RMS 1.067
No. of jets

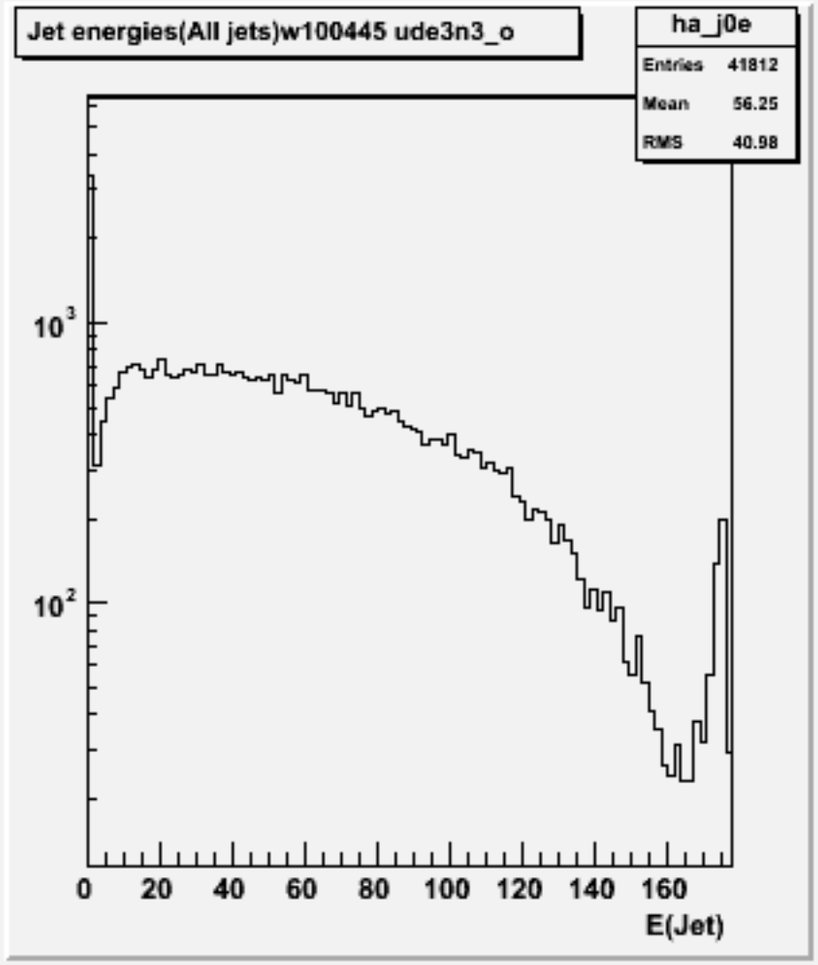

Ycut for 2-jets :w100445 ude3n3_o
h_yc2j
Entries 11527
Mean 0.1505
RMS 0.1848
ycut for forced 2-jets

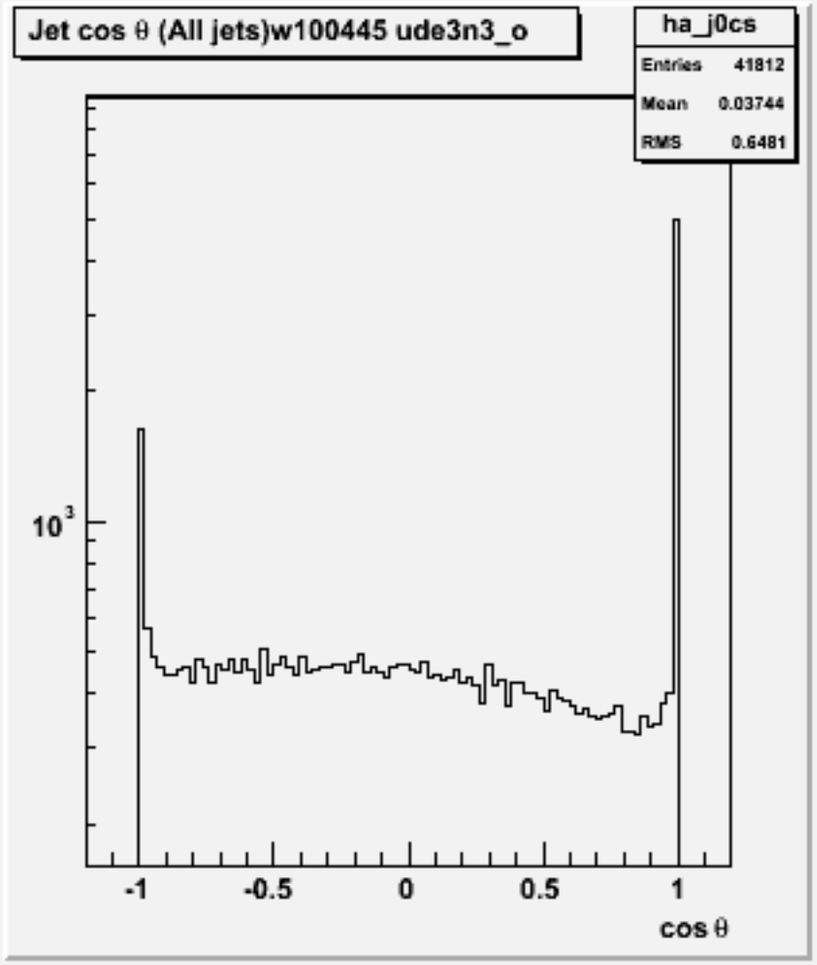

energy for 2-jets :w100445 ude3n3_o
h_j0e
Entries 23054
Mean 107.3
RMS 59.22
Jet energy (GeV)

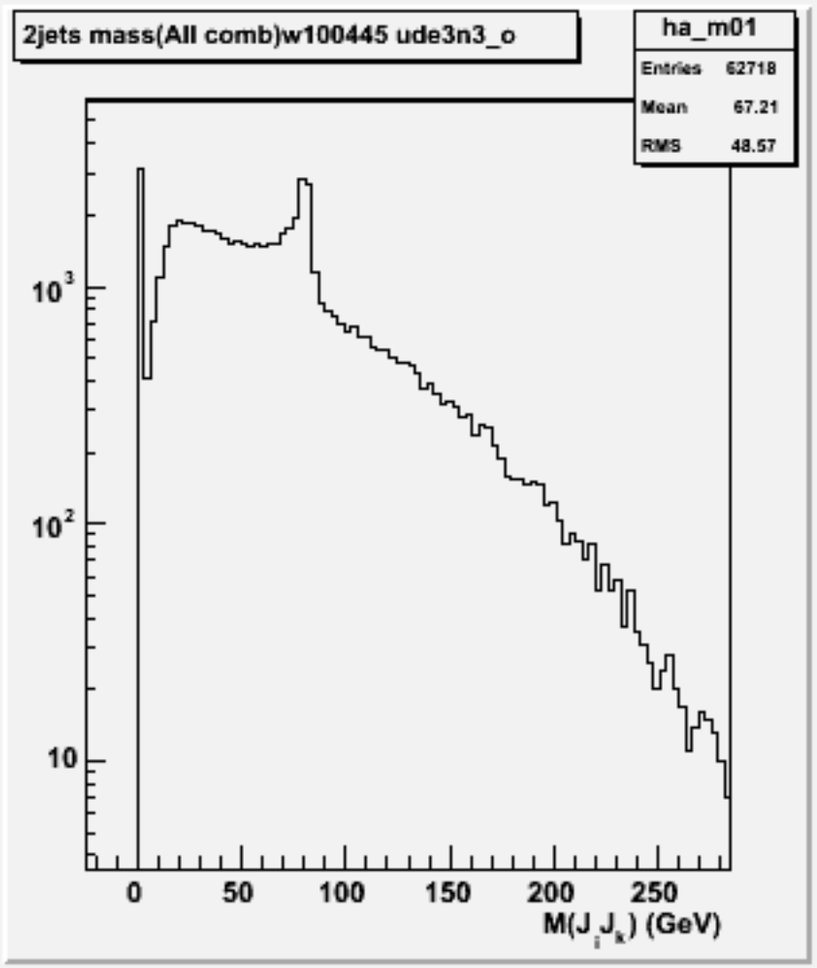

cosθ for 2-jets :w100445 ude3n3_o
h_j0cs
Entries 23054
Mean 0.03564
RMS 0.6554
cos θ(jet)

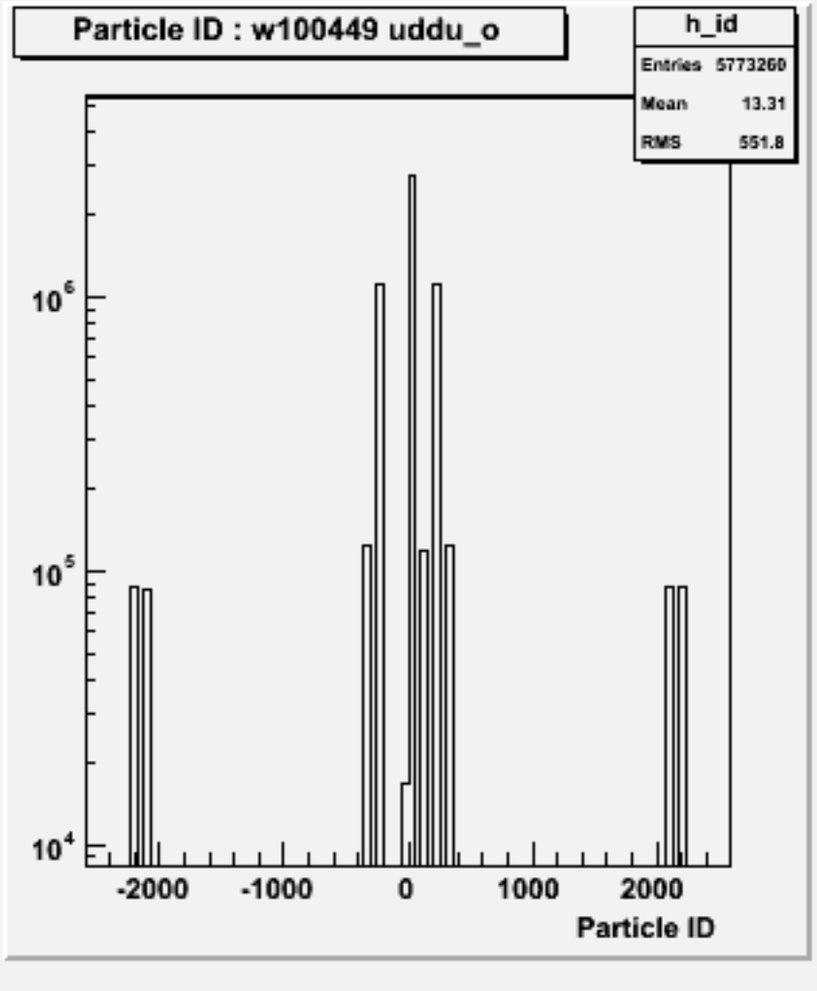

Jet mass for forced 2-jets : w100445 ude3n3_o
h_j0mj1m
Entries 11527
Mean x 59.39
Mean y 48.09
RMS x 72.77
RMS y 37.25
Mass(jet2)
Mass(jet1)

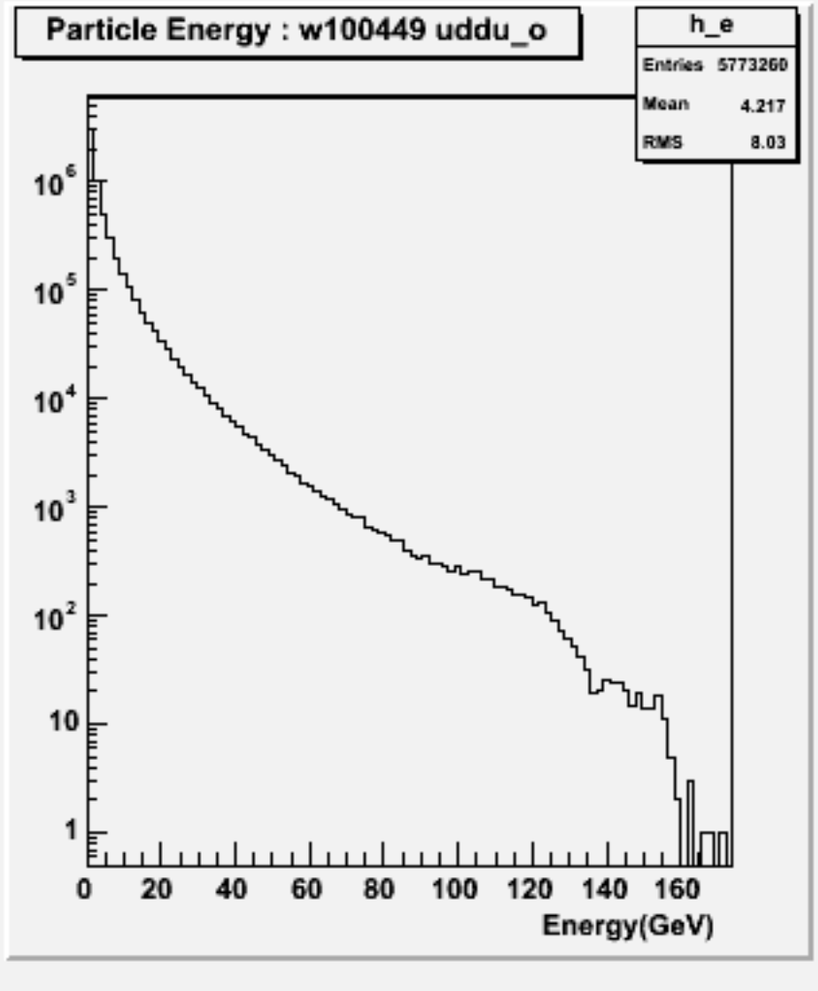

Ycut for 4-jets :w100445 ude3n3_o
h_yc4j
Entries 10453
Mean 0.01638
RMS 0.03097
10^3
10^2
10
1
0 0.05 0.1 0.15 0.2 0.25 0.3
ycut for forced 4-jets

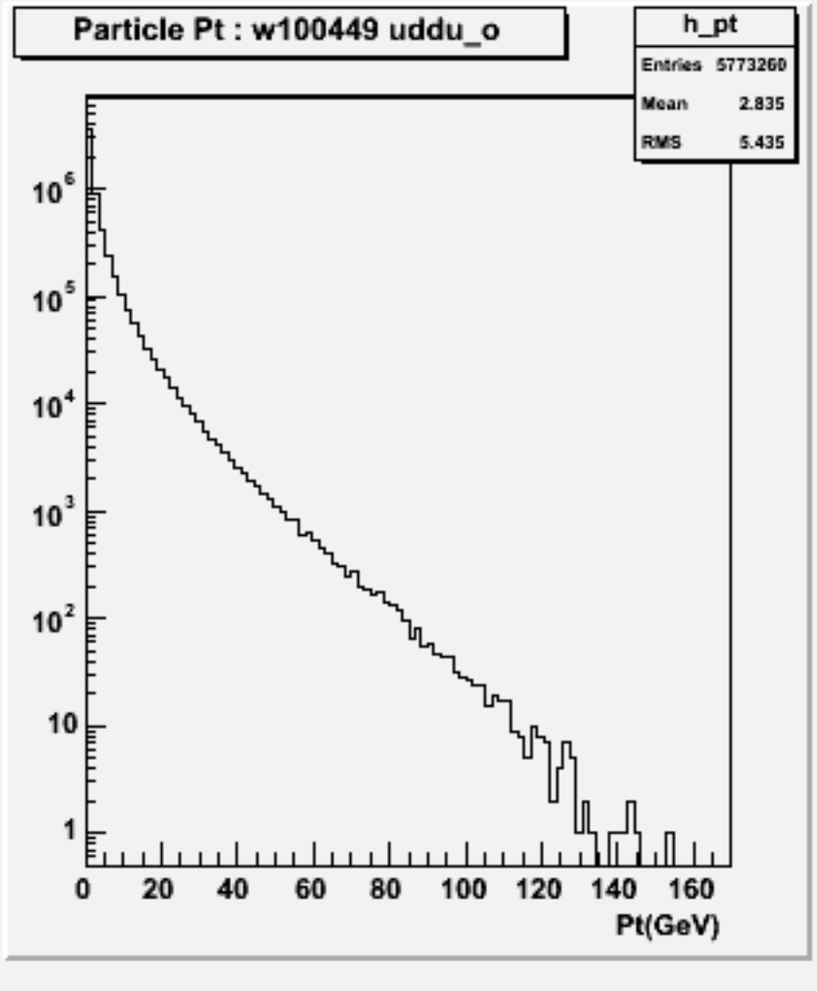

Jet energies(All jets)w100445 ude3n3_o
ha_j0e
Entries 41812
Mean 56.25
RMS 40.98
10^3
10^2
0 20 40 60 80 100 120 140 160
E(Jet)

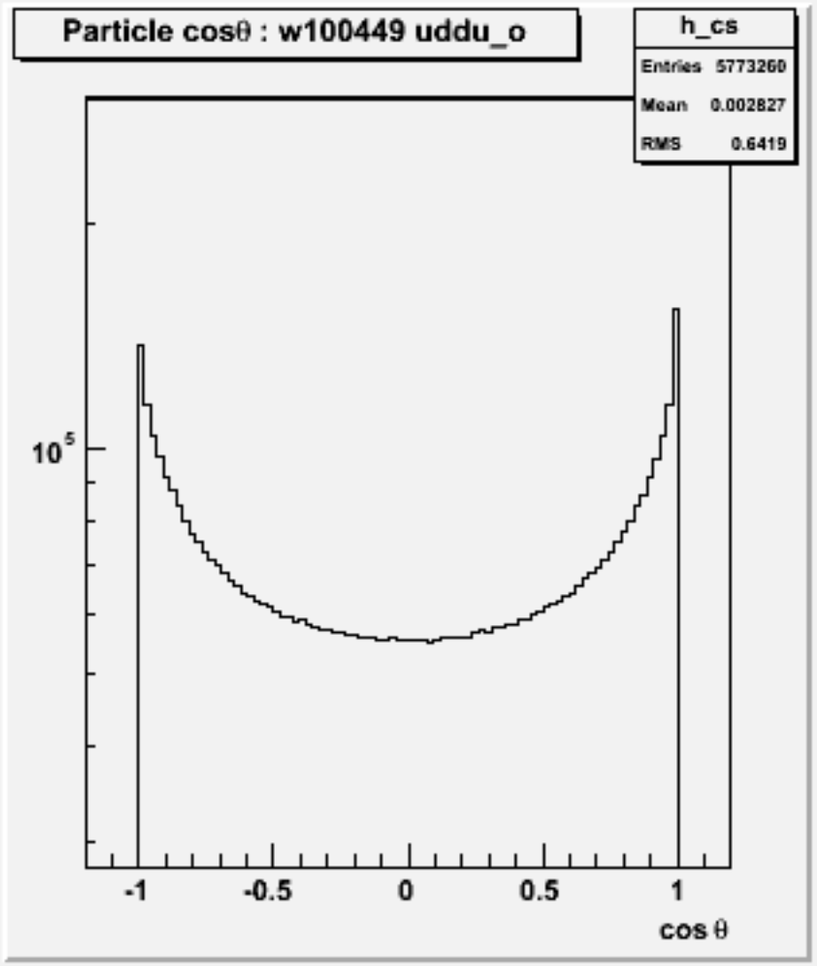

Jet cos θ (All jets)w100445 ude3n3_o
ha_j0cs
Entries 41812
Mean 0.03744
RMS 0.6481
10^3
-1 -0.5 0 0.5 1
cos θ

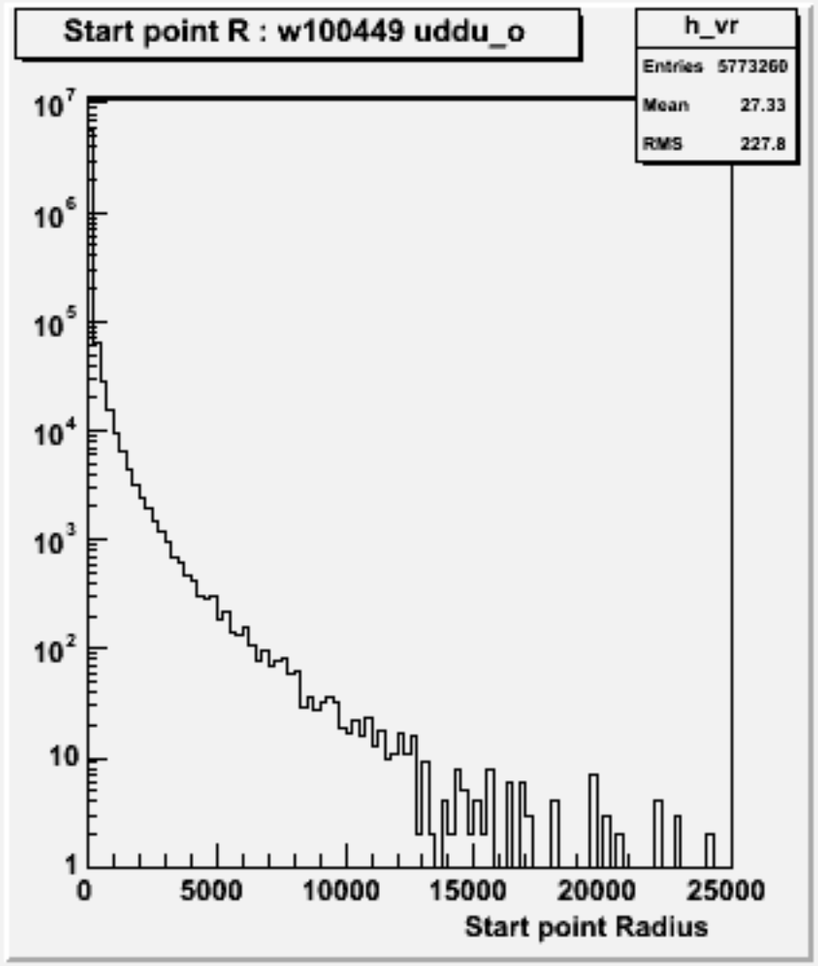

2jets mass(All comb)w100445 ude3n3_o
ha_m01
Entries 62718
Mean 67.21
RMS 48.57
10^3
10^2
10
0 50 100 150 200 250
$M(J_iJ_k)$ (GeV)

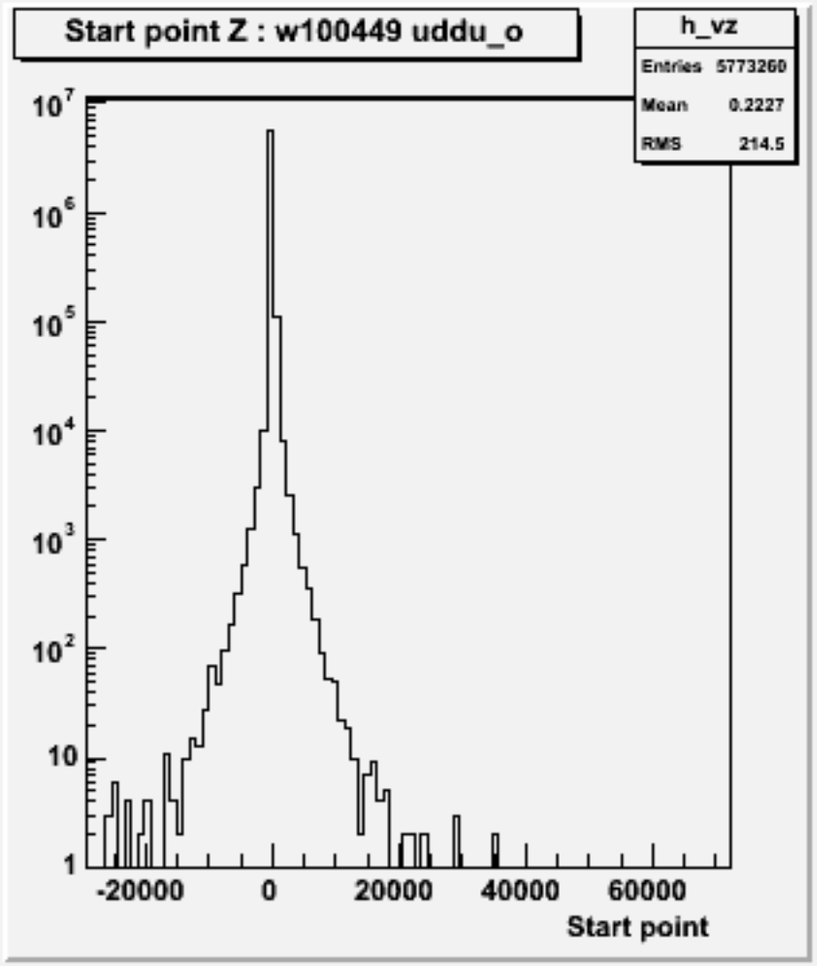

Particle ID : w100449 uddu_o
h_id
Entries 5773260
Mean 13.31
RMS 551.8
10^6
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

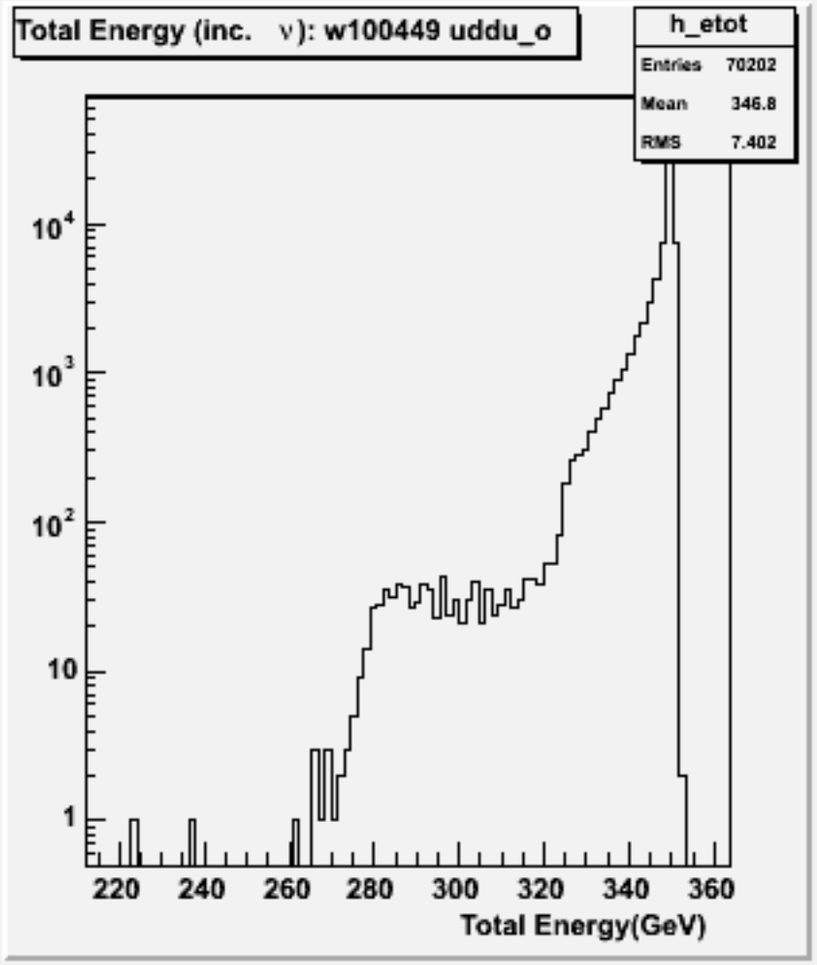

Particle Energy : w100449 uddu_o
h_e
Entries 5773260
Mean 4.217
RMS 8.03
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

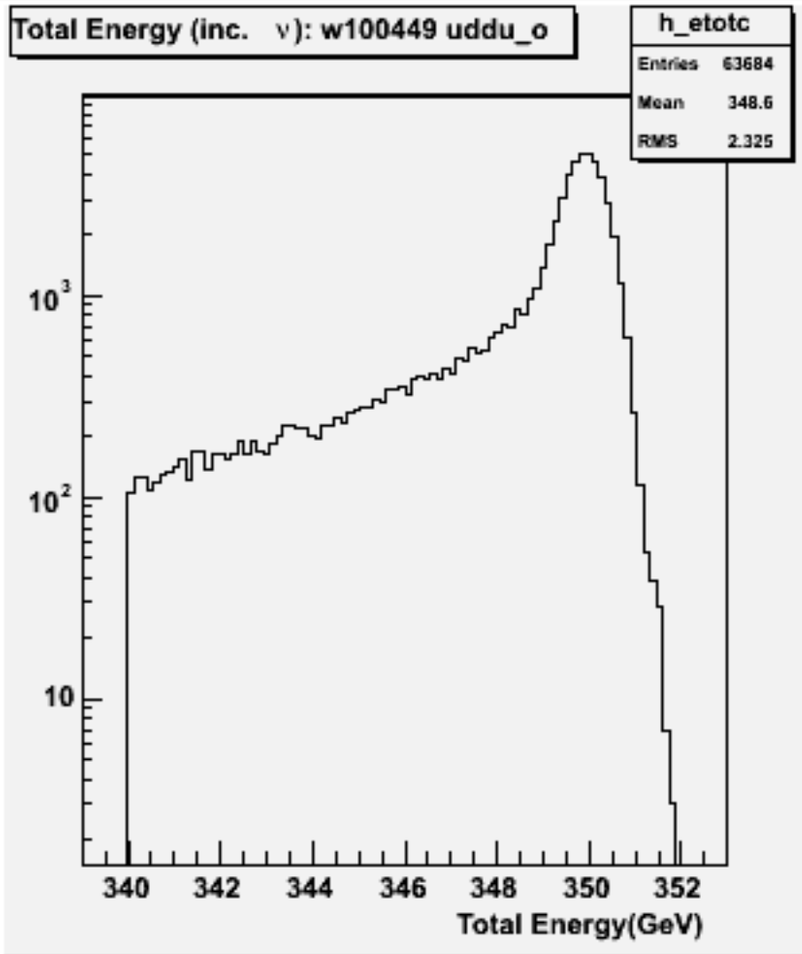

Particle Pt : w100449 uddu_o
h_pt
Entries 5773260
Mean 2.835
RMS 5.435
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

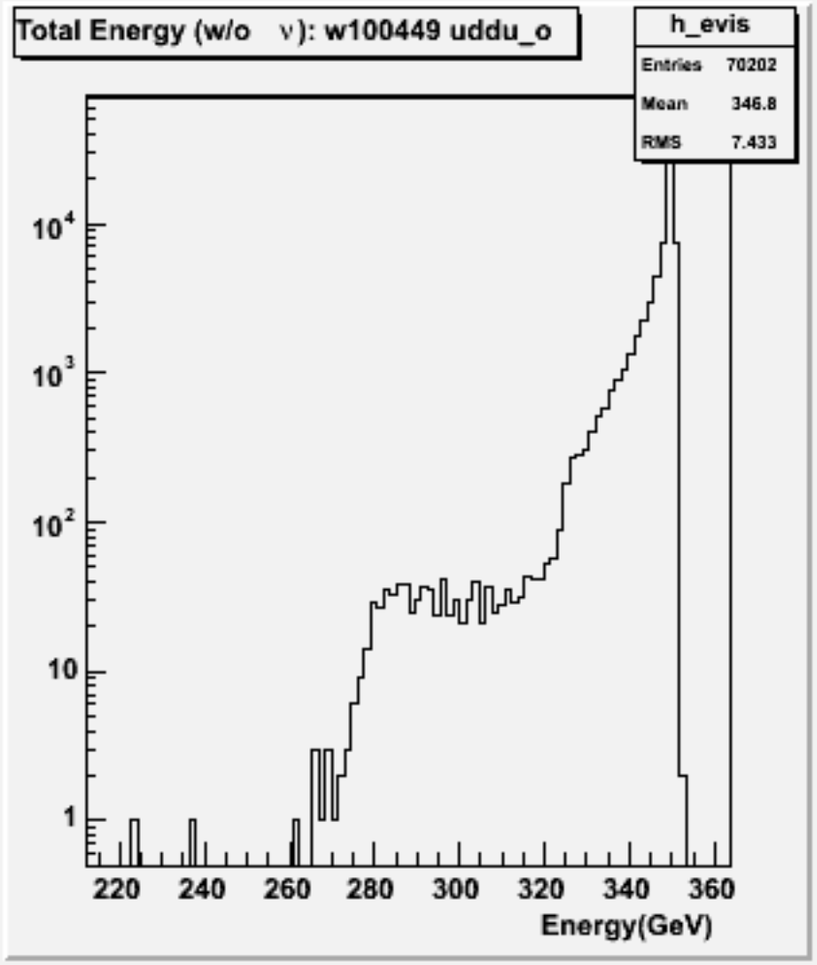

Particle cosθ : w100449 uddu_o
h_cs
Entries 5773260
Mean 0.002827
RMS 0.6419
10^5
-1
-0.5
0
0.5
1
cos θ

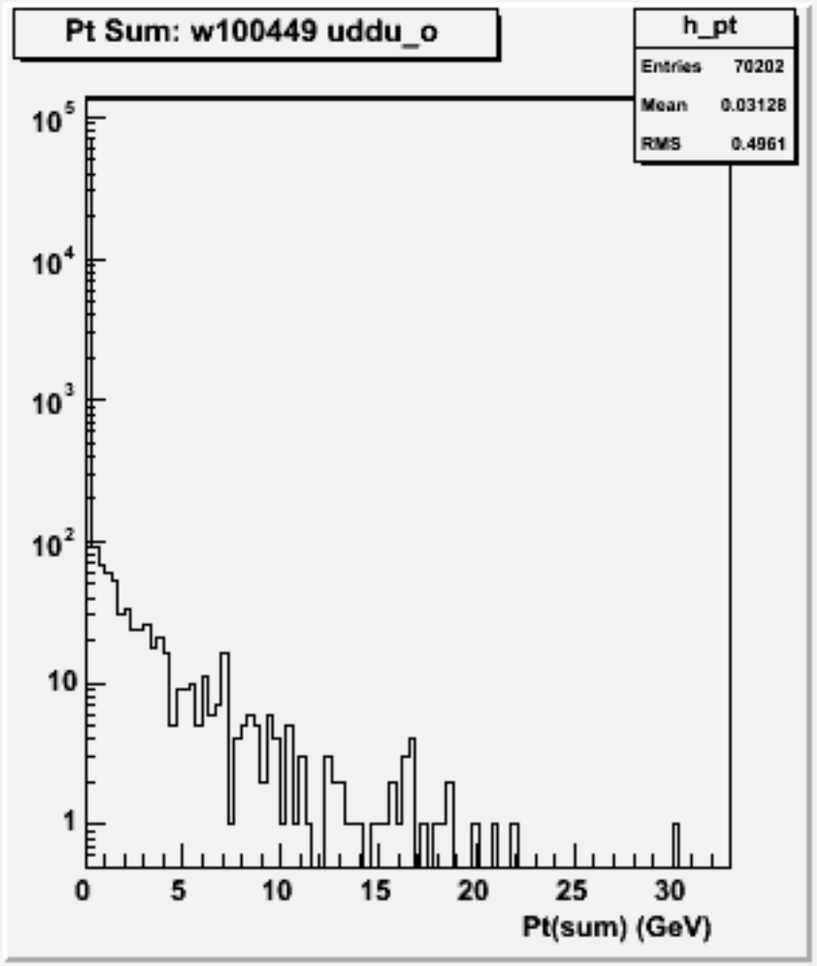

Start point R : w100449 uddu_o
h_vr
Entries 5773260
Mean 27.33
RMS 227.8
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

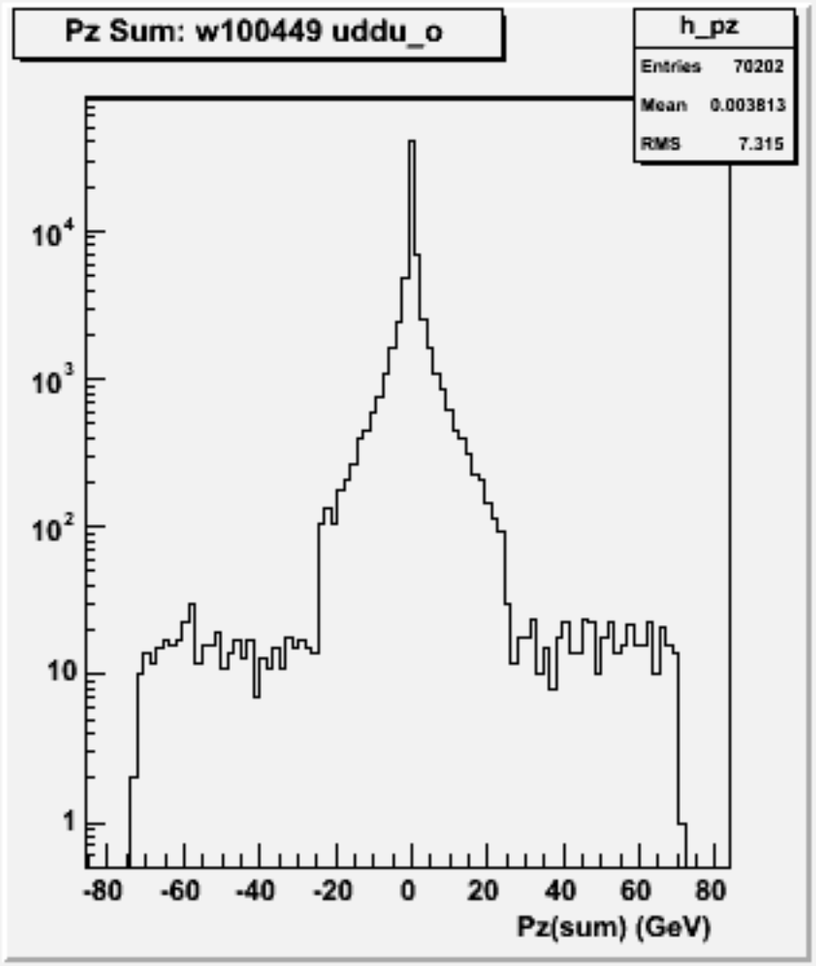

Start point Z : w100449 uddu_o
h_vz
Entries 5773260
Mean 0.2227
RMS 214.5
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-20000
0
20000
40000
60000
Start point

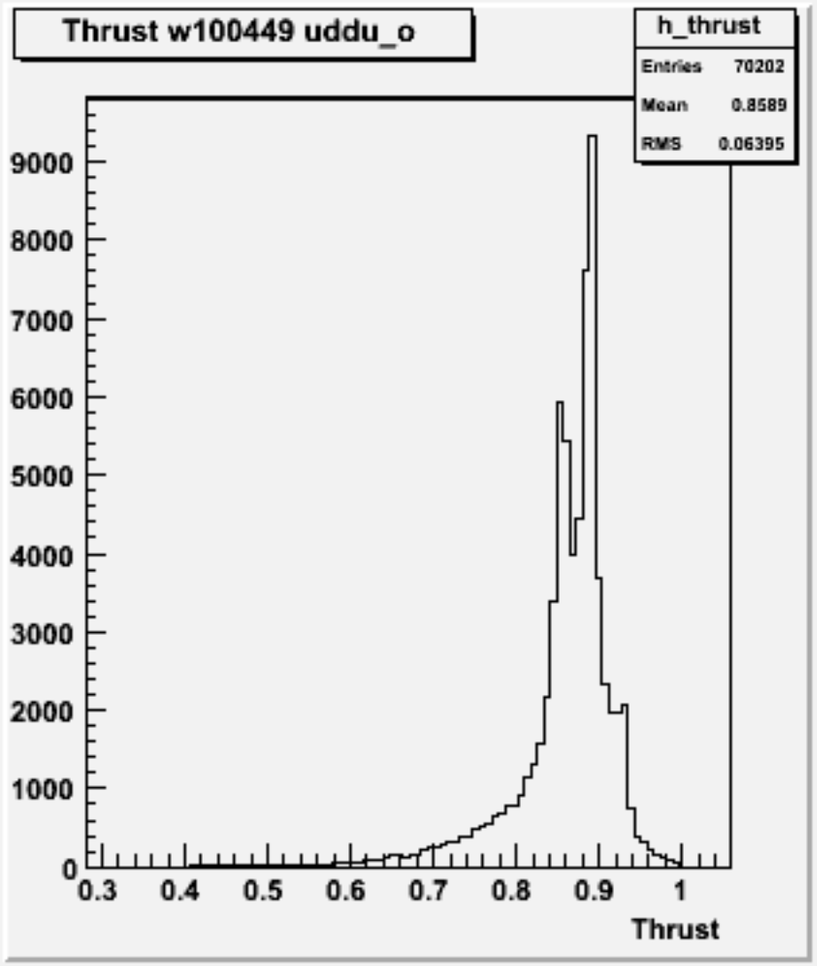

Total Energy (inc. ν): w100449 uddu_o
h_etot
Entries 70202
Mean 346.8
RMS 7.402
Total Energy(GeV)

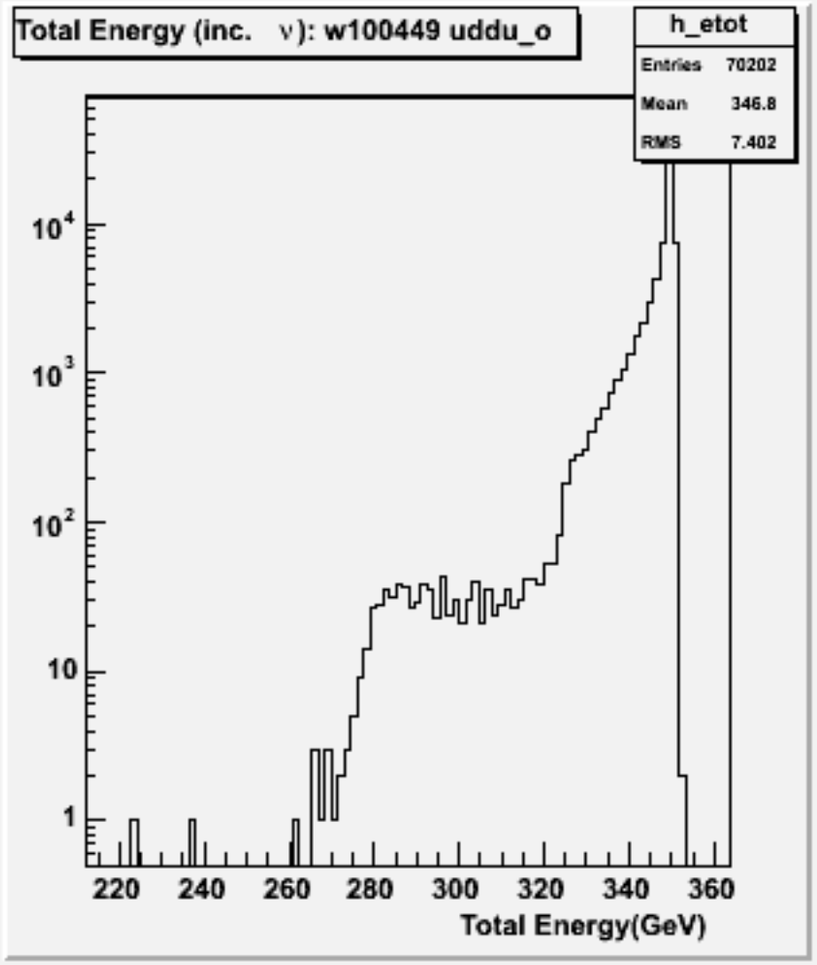

Total Energy (inc. ν): w100449 uddu_o
h_etotc
Entries 63684
Mean 348.6
RMS 2.325
Total Energy(GeV)

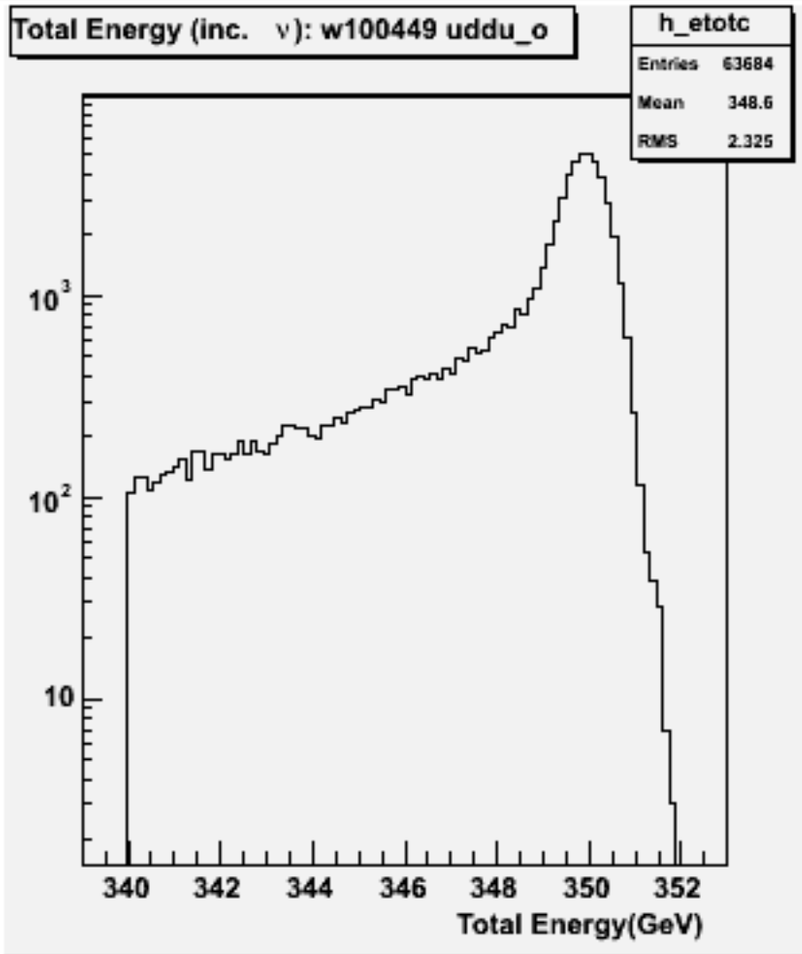

Total Energy (w/o ν): w100449 uddu_o
h_evis
Entries 70202
Mean 346.8
RMS 7.433
Energy(GeV)

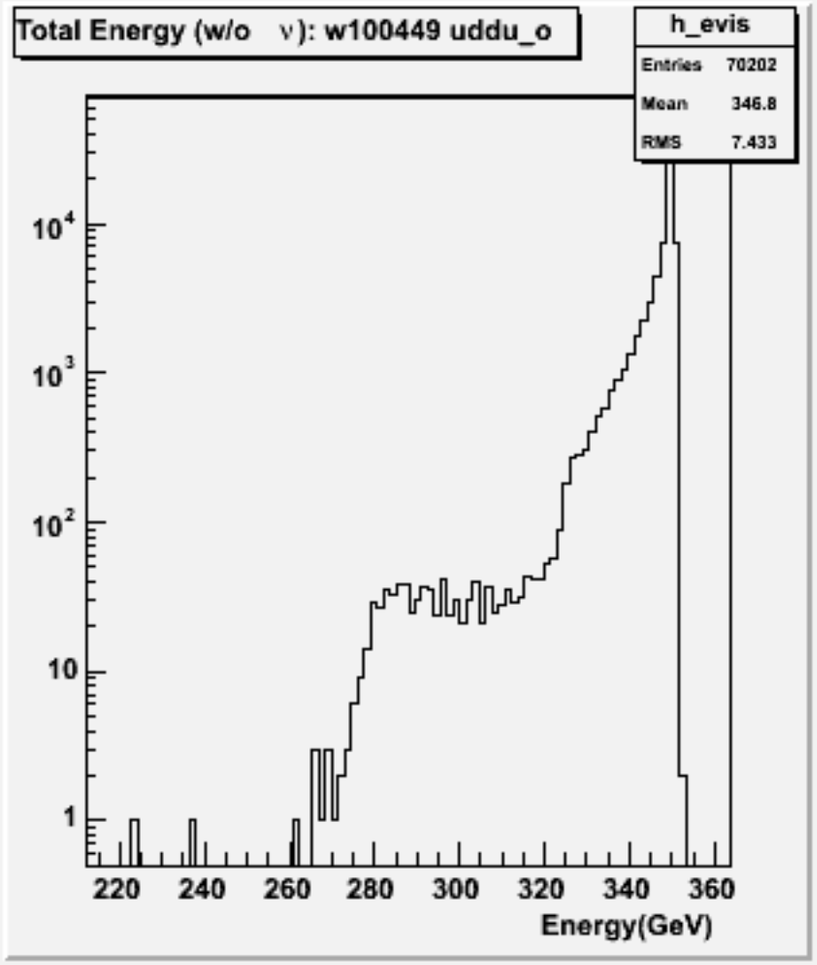

Pt Sum: w100449 uddu_o
h_pt
Entries 70202
Mean 0.03128
RMS 0.4961
Pt(sum) (GeV)

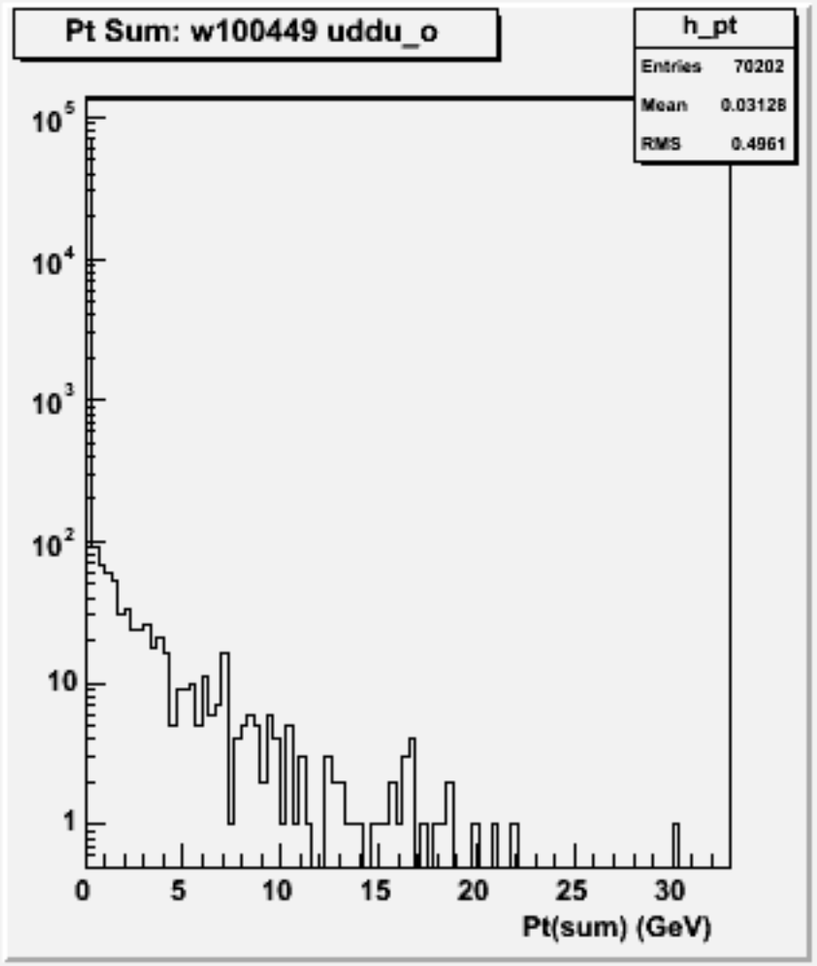

Pz Sum: w100449 uddu_o
h_pz
Entries 70202
Mean 0.003813
RMS 7.315
Pz(sum) (GeV)

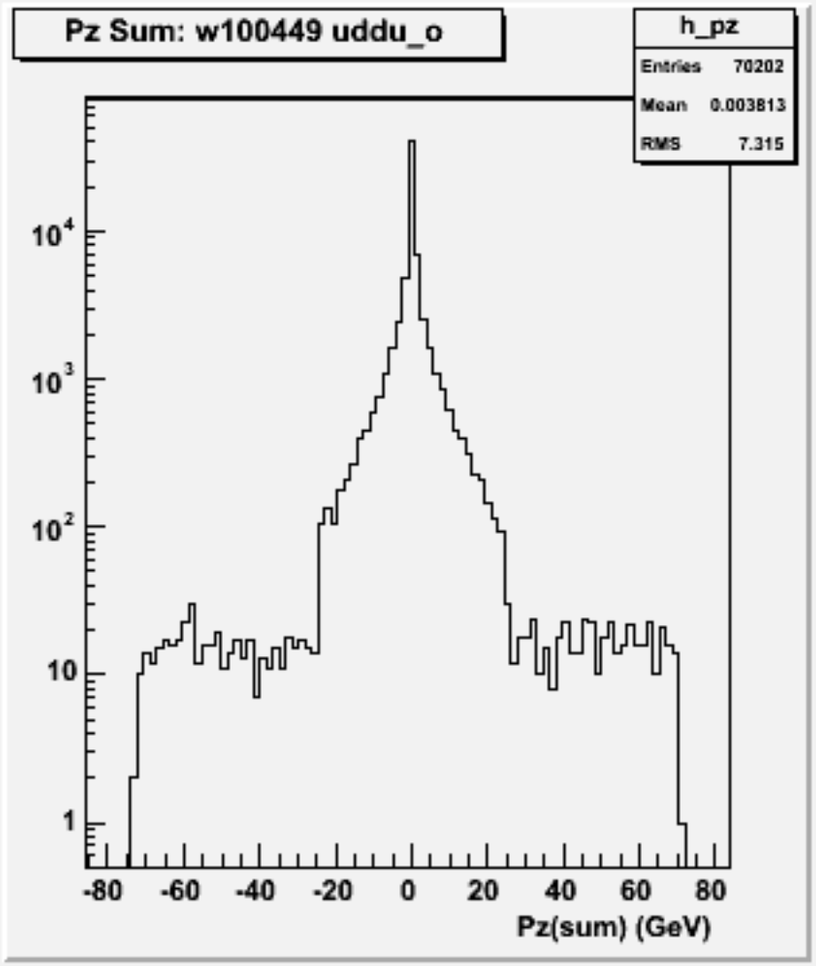

Thrust w100449 uddu_o
h_thrust
Entries 70202
Mean 0.8589
RMS 0.06395
Thrust

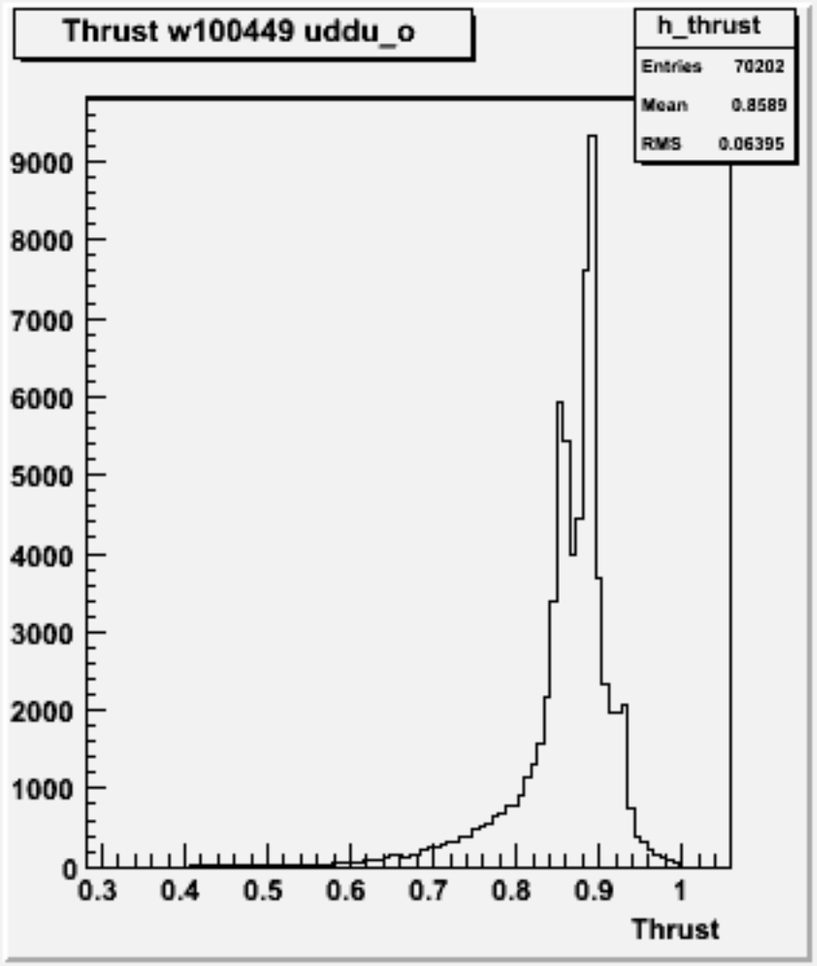

Total Energy (inc. ν): w100449 uddu_o
h_etot
Entries 70202
Mean 346.8
RMS 7.402
Total Energy(GeV)

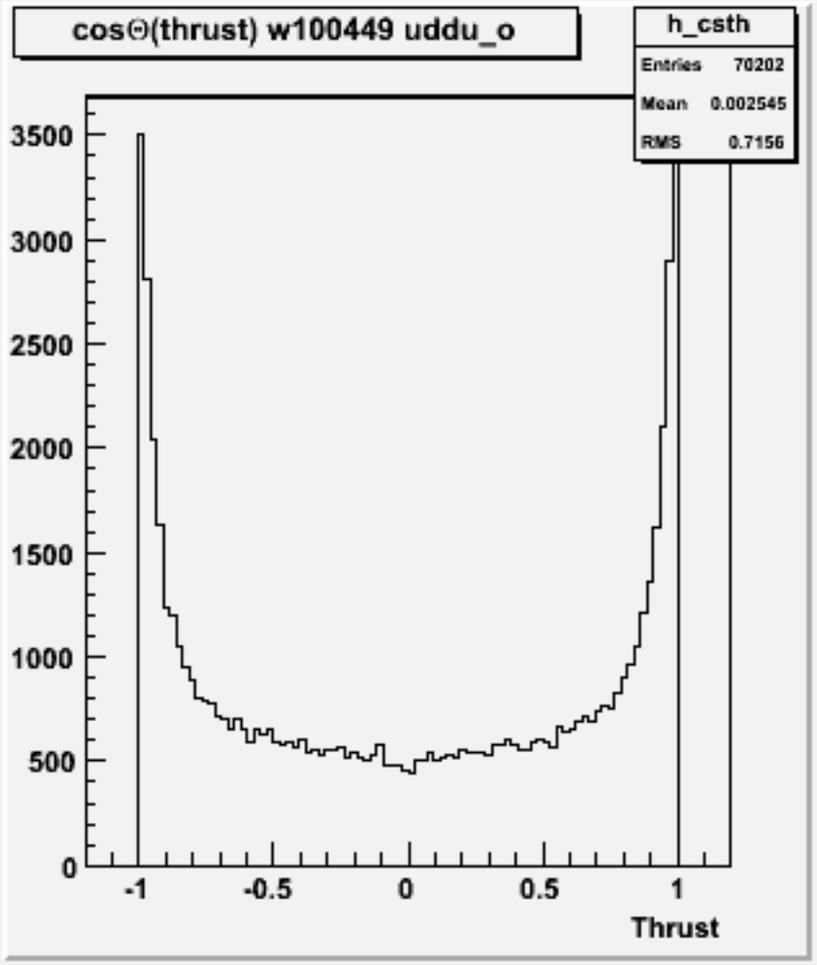

Total Energy (inc. ν): w100449 uddu_o
h_etotc
Entries 63684
Mean 348.6
RMS 2.325
Total Energy(GeV)

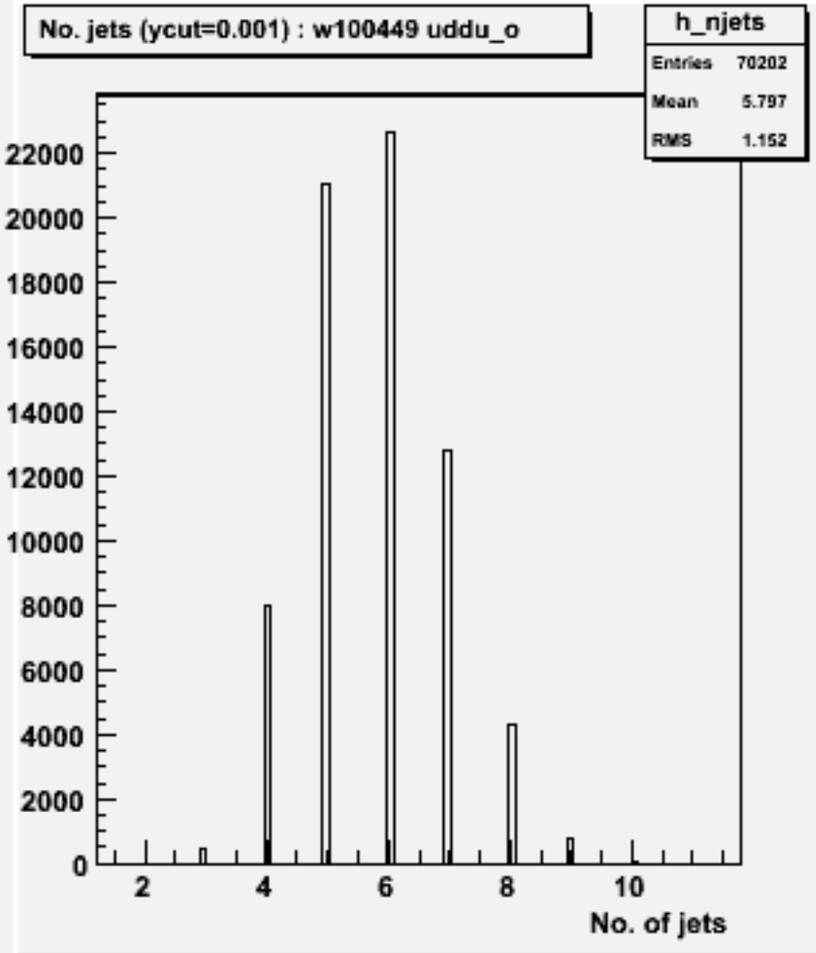

Total Energy (w/o ν): w100449 uddu_o
h_evis
Entries 70202
Mean 346.8
RMS 7.433
Energy(GeV)

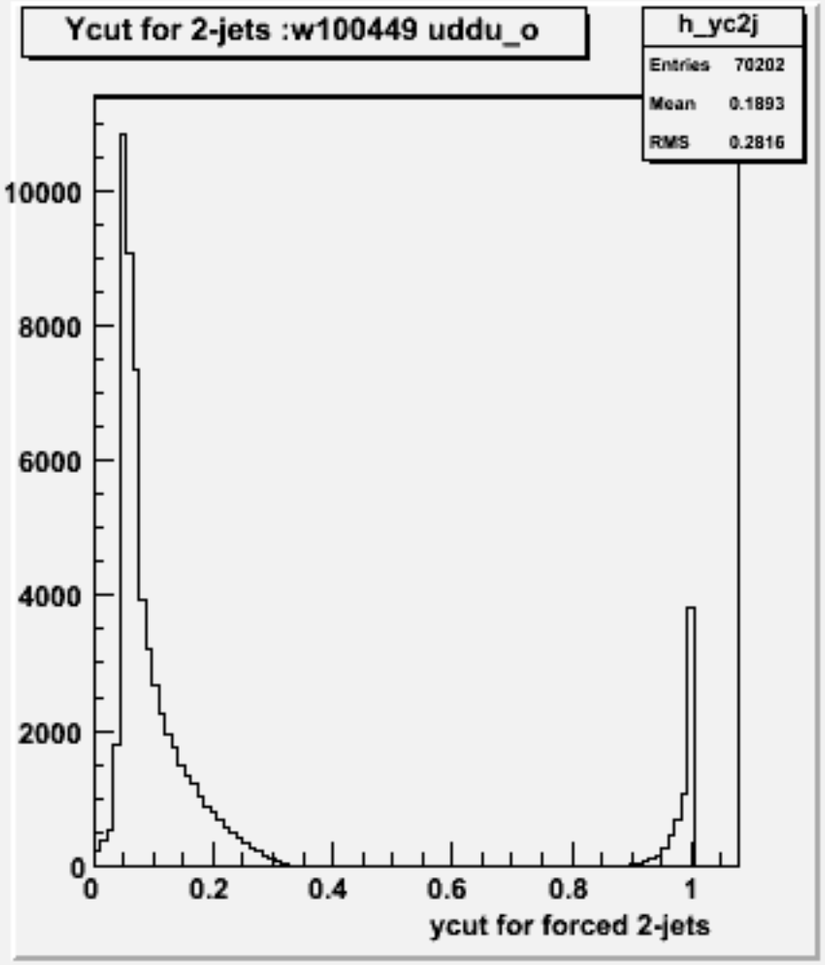

Pt Sum: w100449 uddu_o
h_pt
Entries 70202
Mean 0.03128
RMS 0.4961
Pt(sum) (GeV)

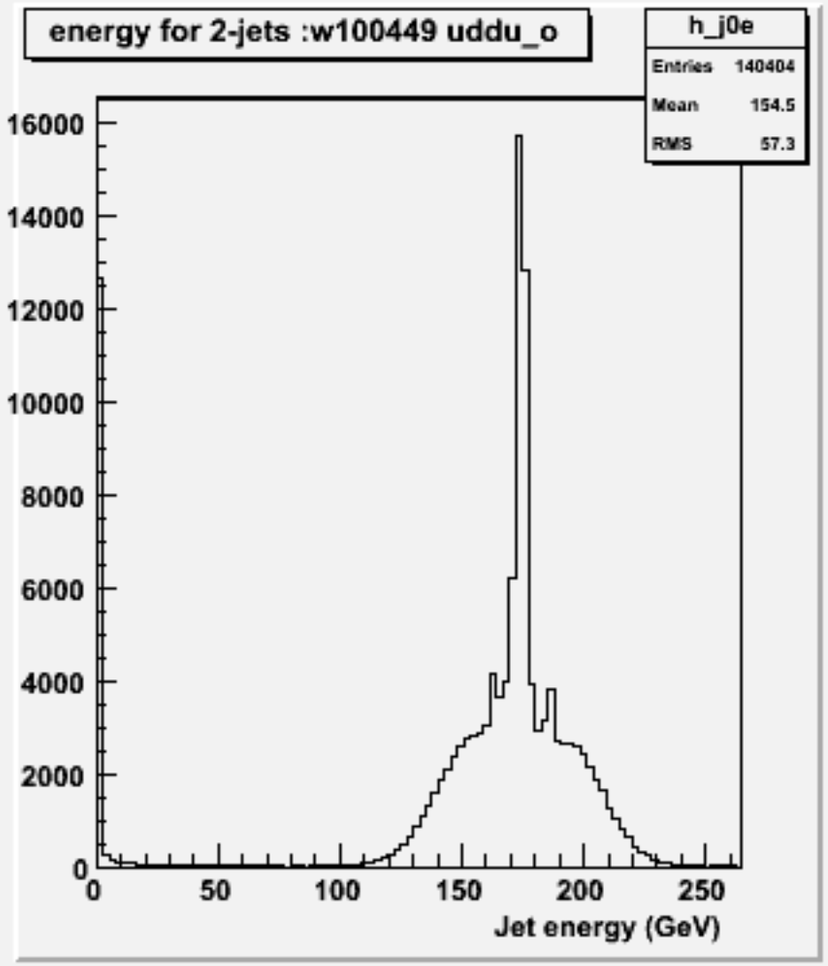

Pz Sum: w100449 uddu_o
h_pz
Entries 70202
Mean 0.003813
RMS 7.315
Pz(sum) (GeV)

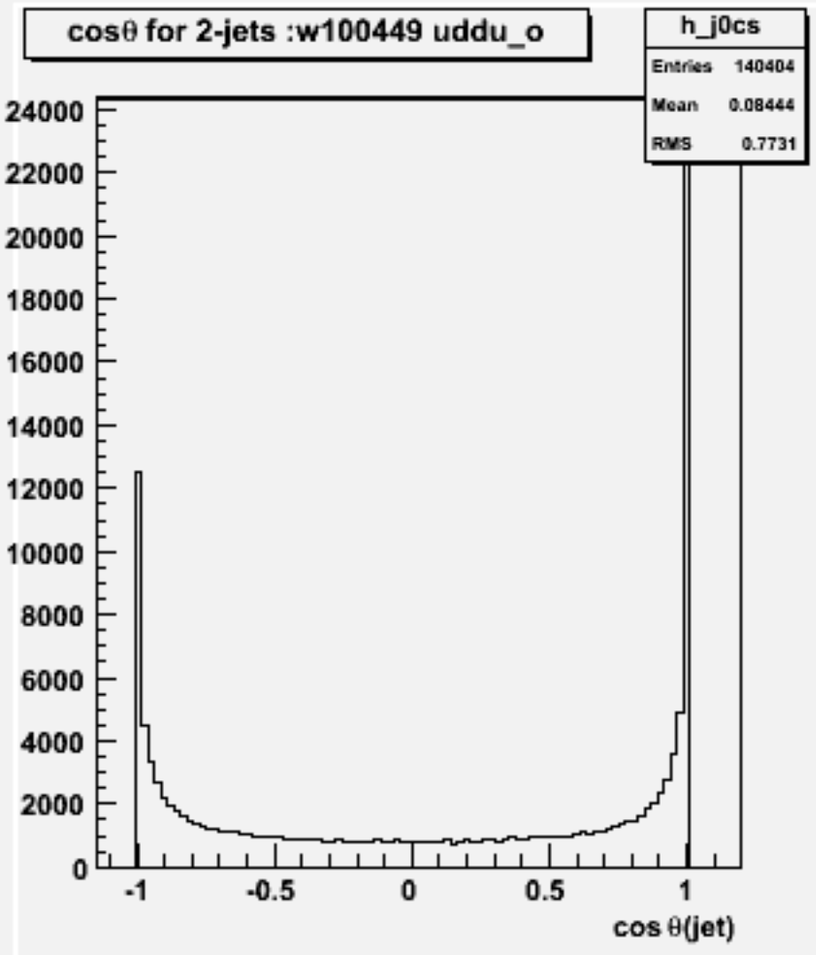

Thrust w100449 uddu_o
h_thrust
Entries 70202
Mean 0.8589
RMS 0.06395
Thrust

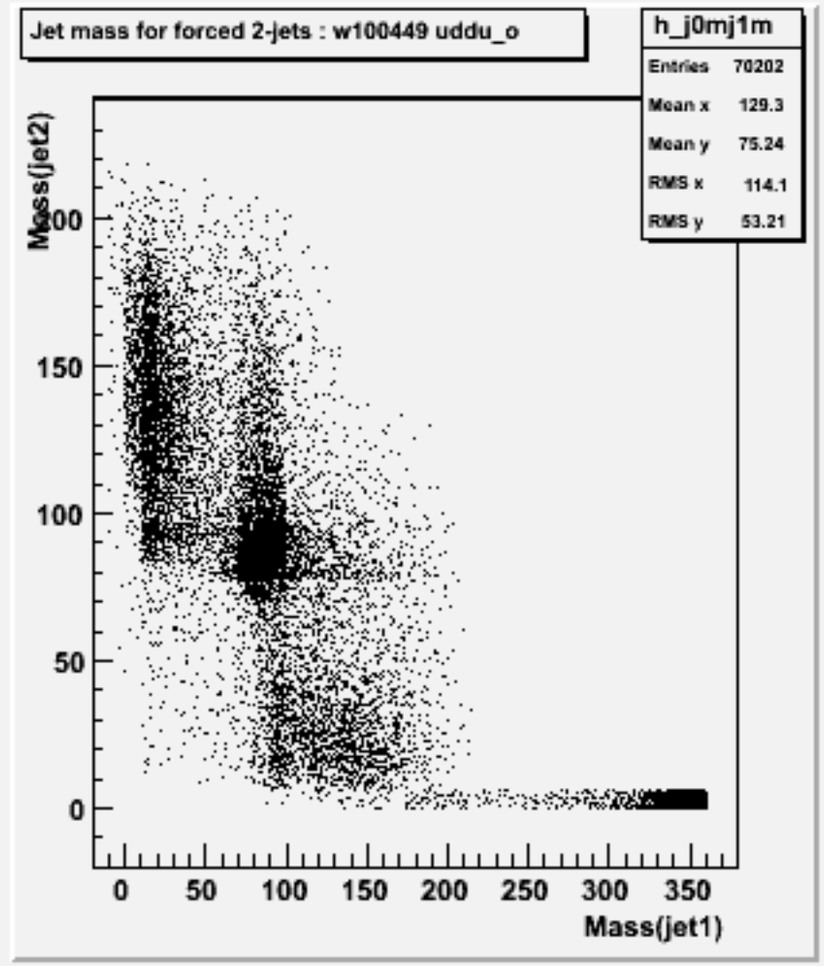

cosΘ(thrust) w100449 uddu_o
h_csth
Entries 70202
Mean 0.002545
RMS 0.7156
Thrust

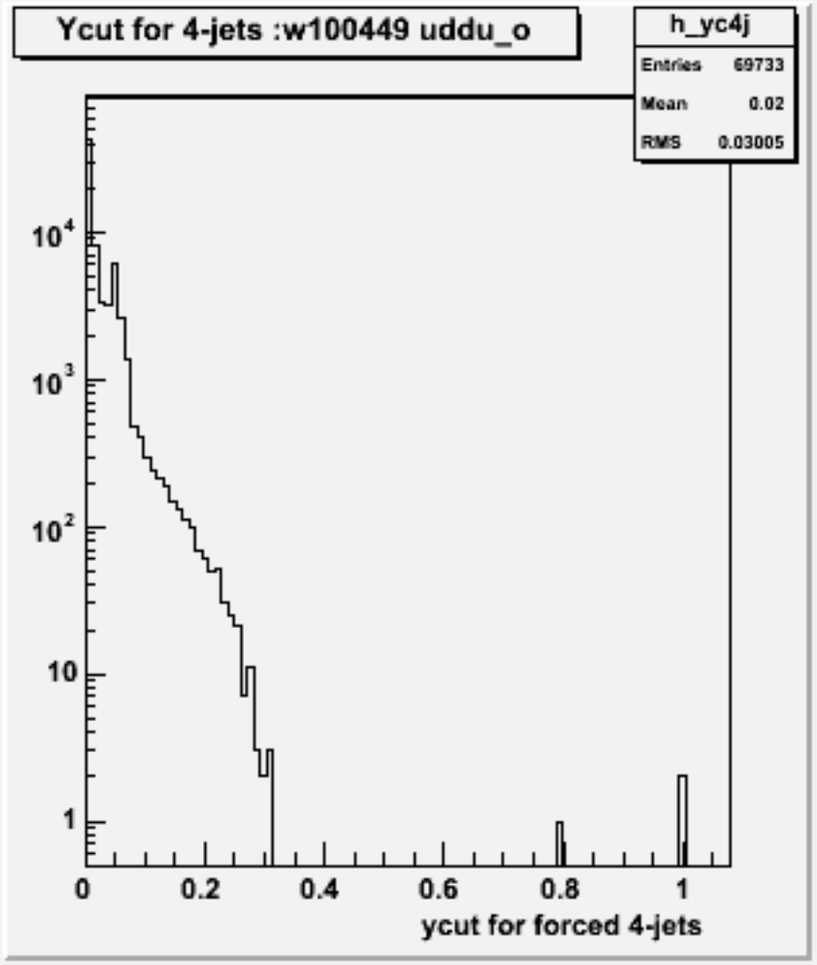

No. jets (ycut=0.001) : w100449 uddu_o
h_njets
Entries 70202
Mean 5.797
RMS 1.152
No. of jets

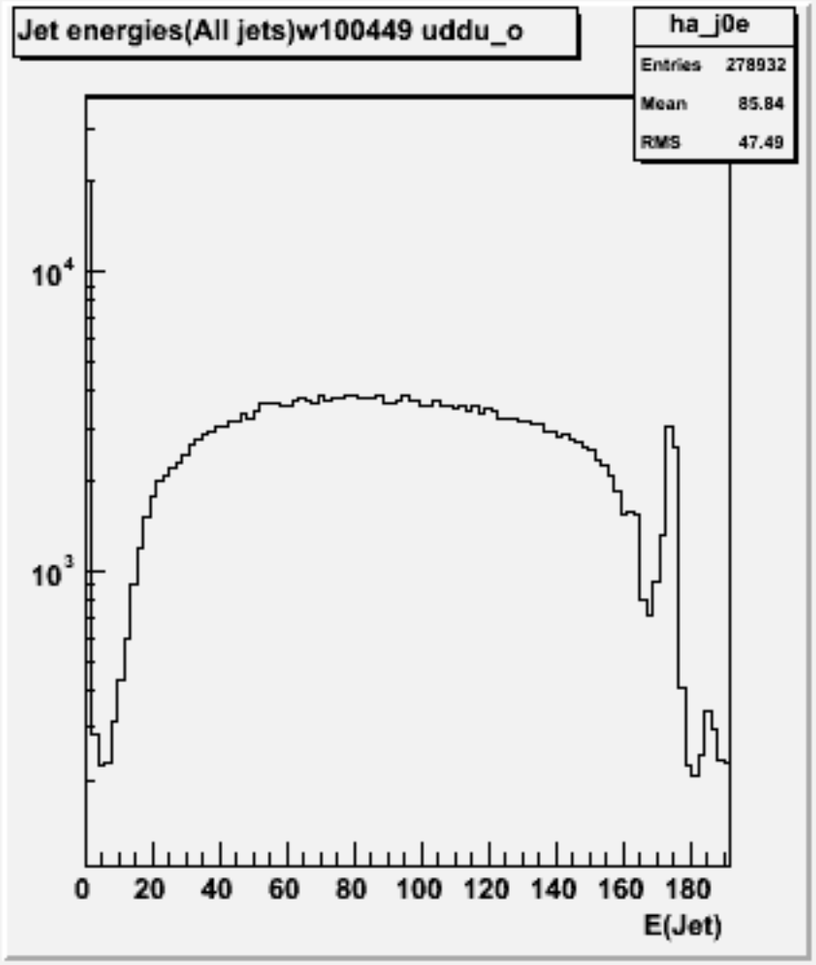

Ycut for 2-jets :w100449 uddu_o
h_yc2j
Entries 70202
Mean 0.1893
RMS 0.2816
ycut for forced 2-jets

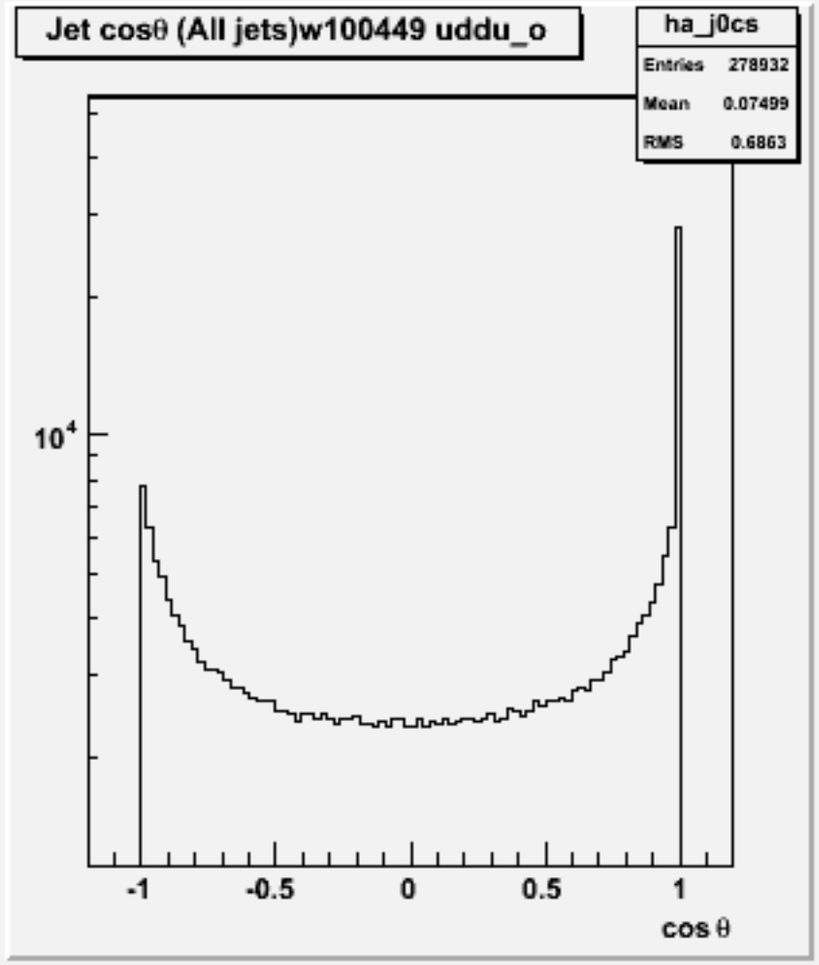

energy for 2-jets :w100449 uddu_o
h_j0e
Entries 140404
Mean 154.5
RMS 57.3
Jet energy (GeV)

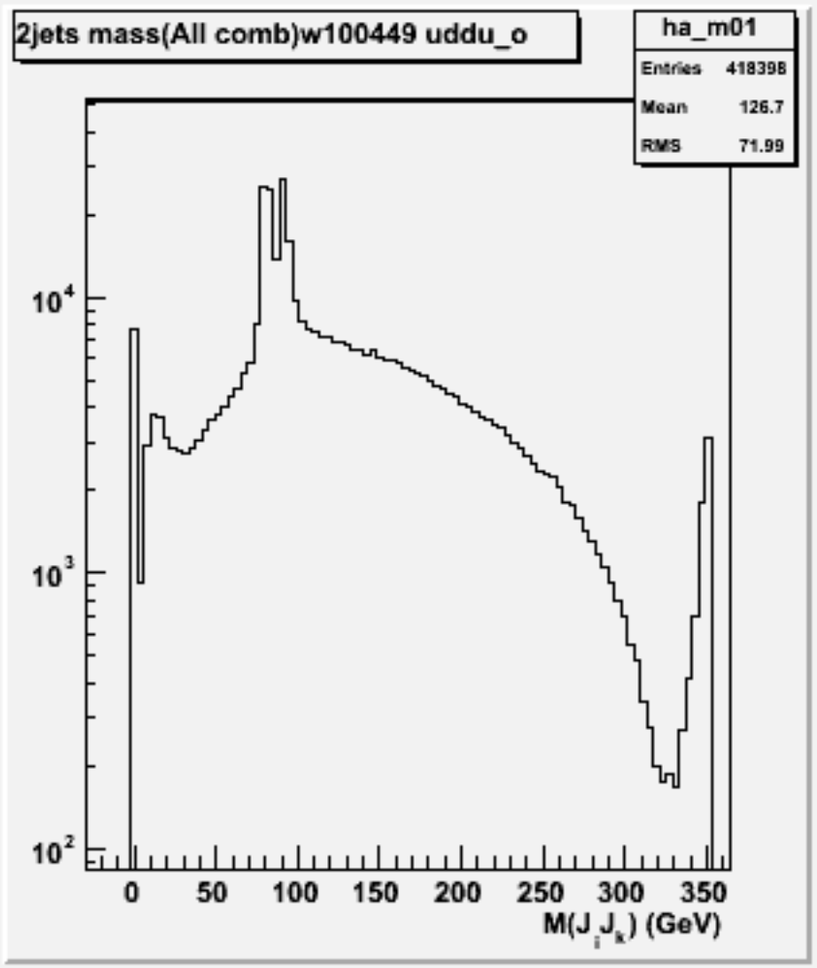

cosθ for 2-jets :w100449 uddu_o
h_j0cs
Entries 140404
Mean 0.08444
RMS 0.7731
cos θ(jet)

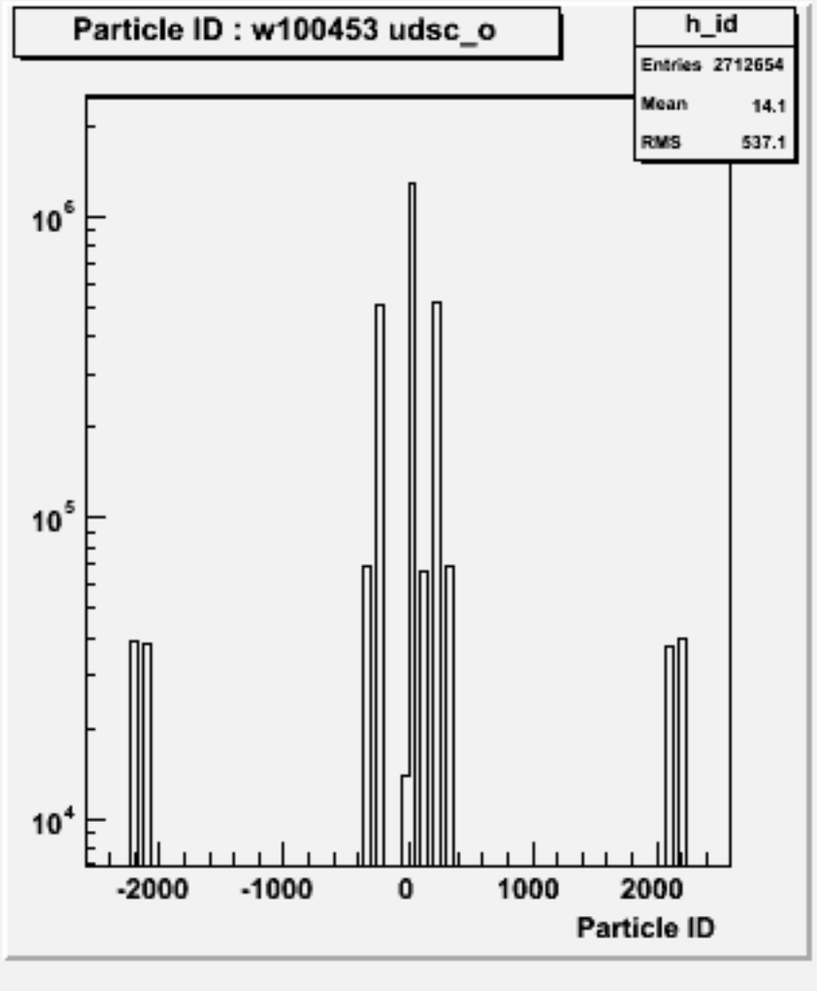

Jet mass for forced 2-jets : w100449 uddu_o
h_j0mj1m
Entries 70202
Mean x 129.3
Mean y 75.24
RMS x 114.1
RMS y 53.21
Mass(jet2)
Mass(jet1)

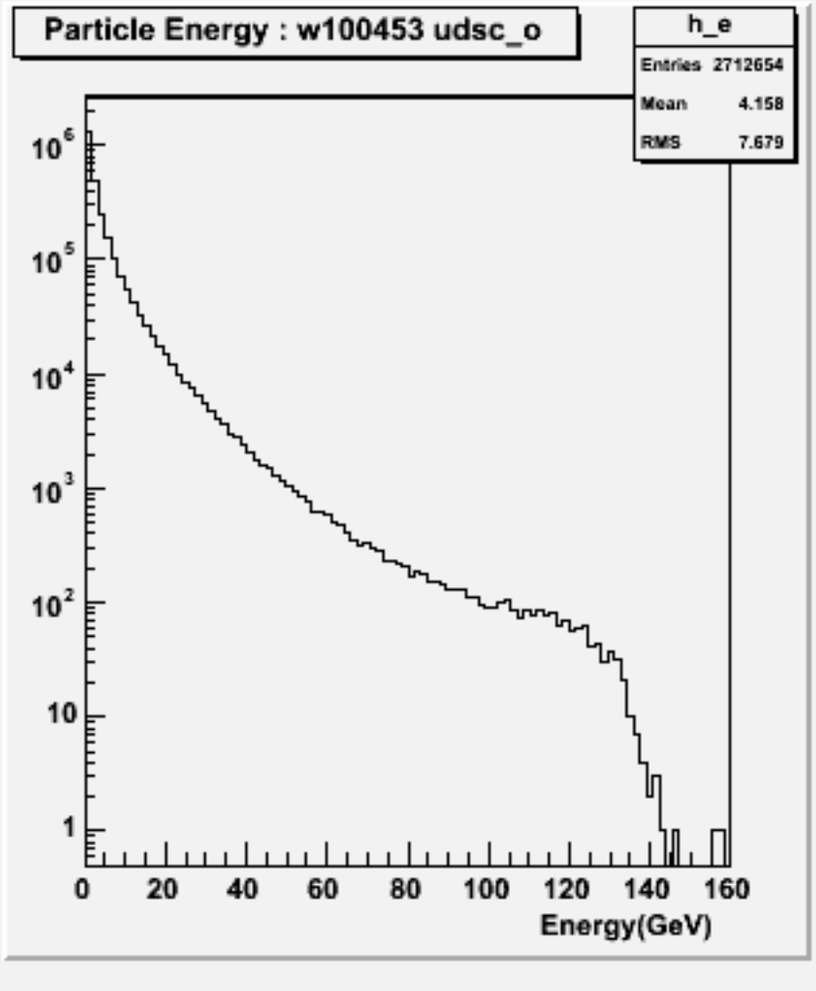

Ycut for 4-jets :w100449 uddu_o
h_yc4j
Entries 69733
Mean 0.02
RMS 0.03005
ycut for forced 4-jets

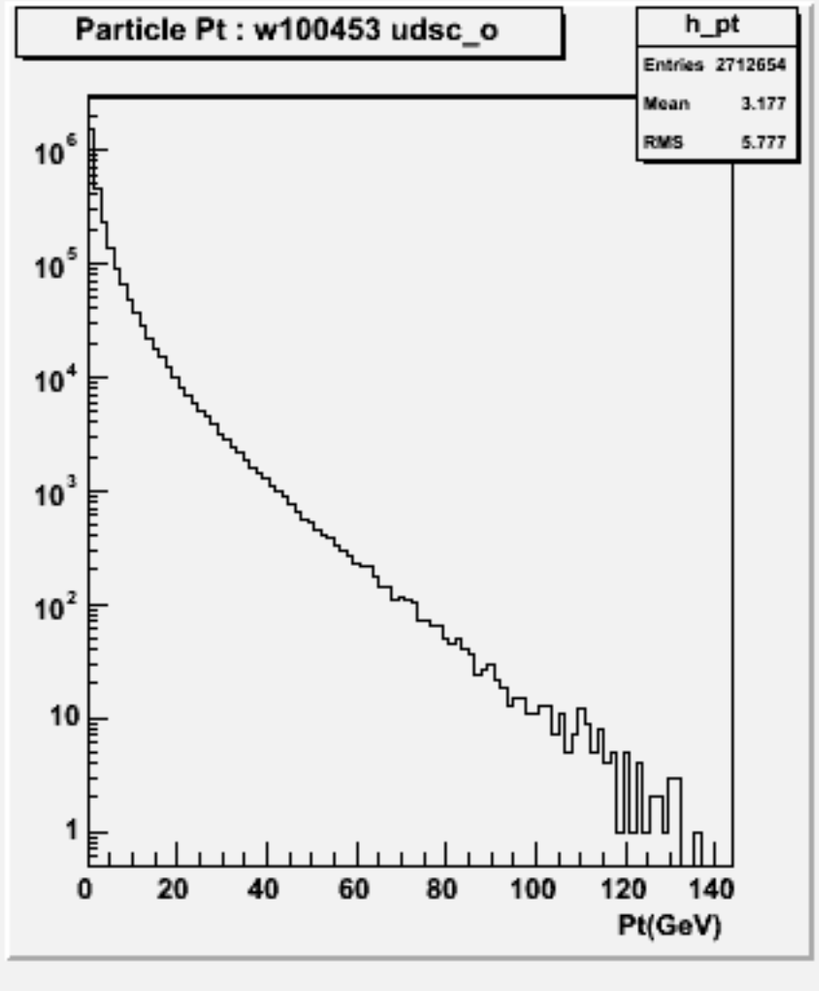

Jet energies(All jets)w100449 uddu_o
ha_j0e
Entries 278932
Mean 85.84
RMS 47.49
E(Jet)

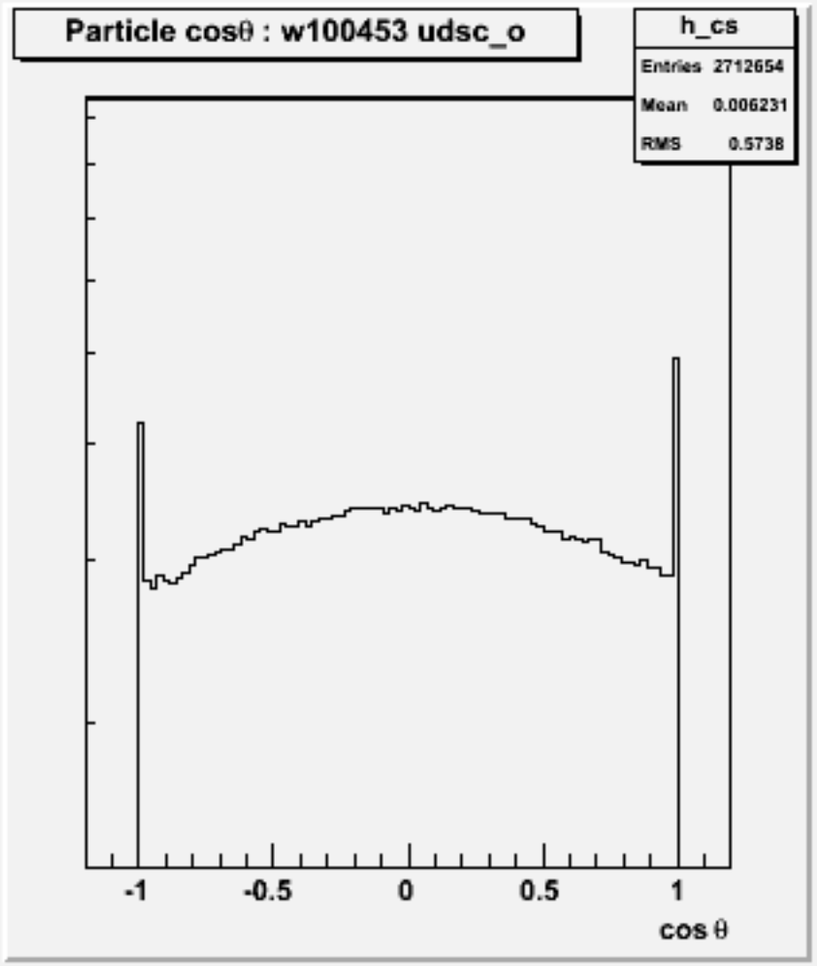

Jet cosθ (All jets)w100449 uddu_o
ha_j0cs
Entries 278932
Mean 0.07499
RMS 0.6863
cos θ

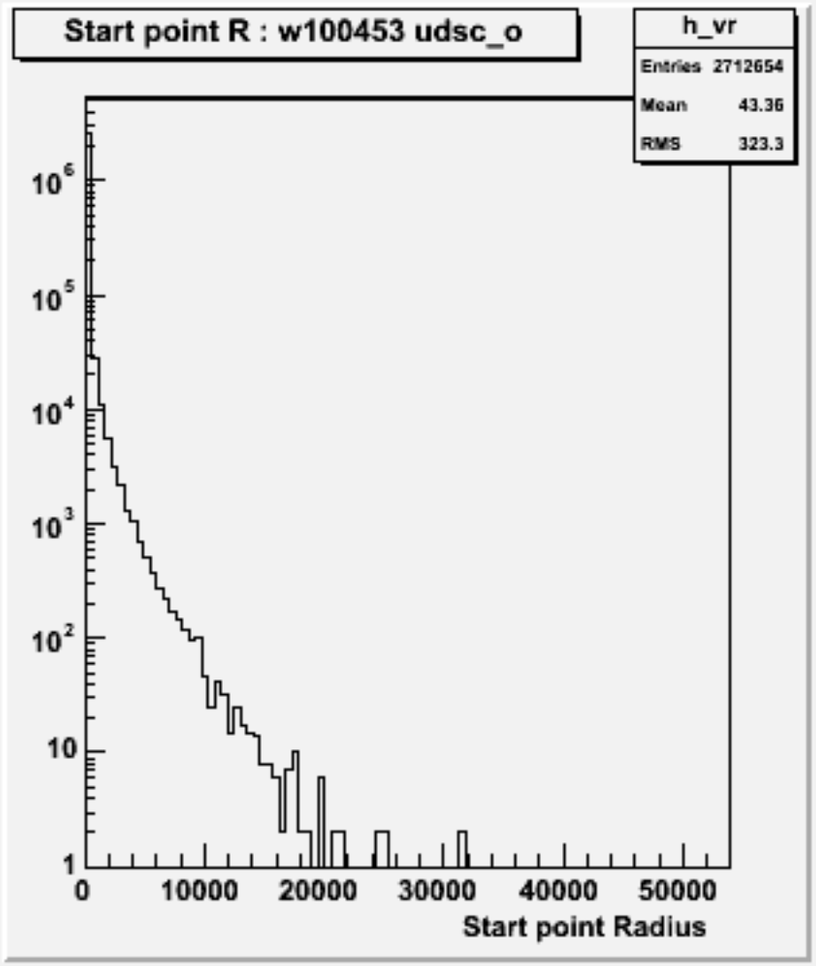

2jets mass(All comb)w100449 uddu_o
ha_m01
Entries 418398
Mean 126.7
RMS 71.99
M(J_iJ_k) (GeV)

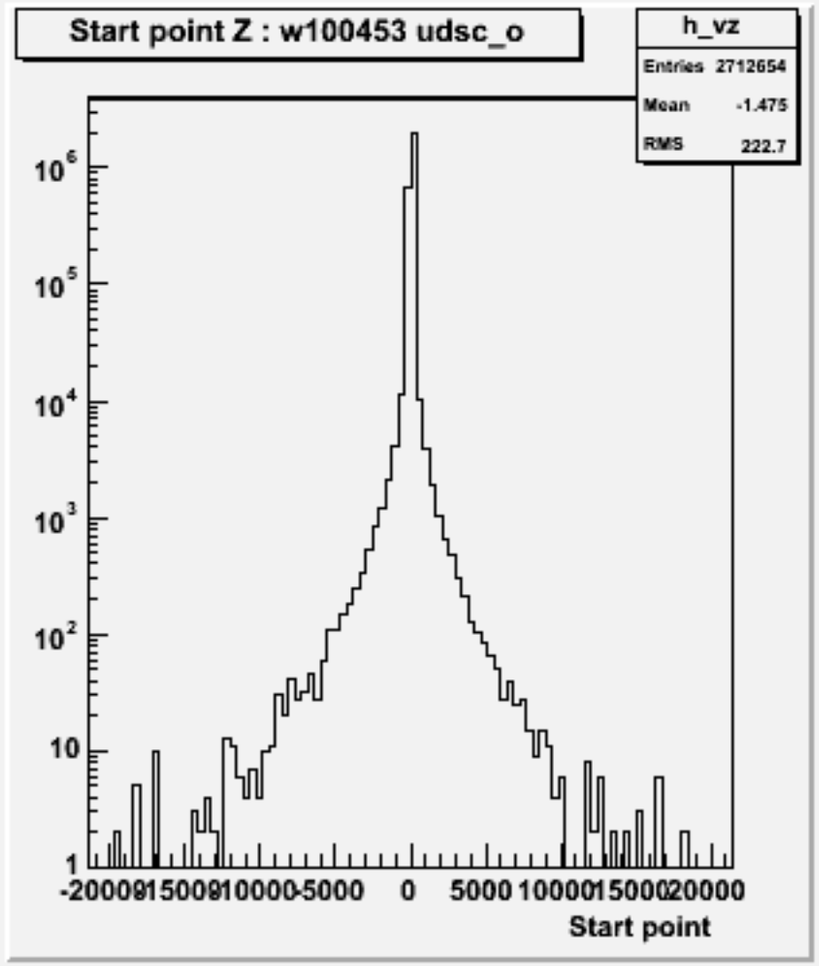

Particle ID : w100453 udsc_o
h_id
Entries 2712654
Mean 14.1
RMS 537.1
10^6
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

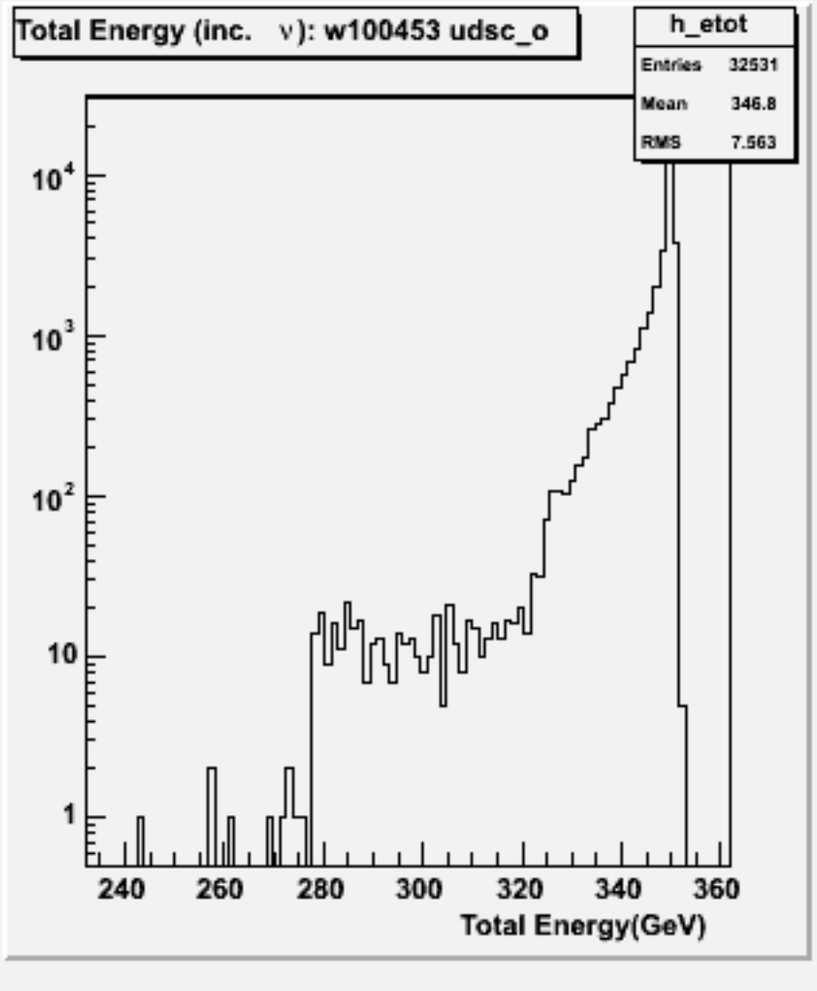

Particle Energy : w100453 udsc_o
h_e
Entries 2712654
Mean 4.158
RMS 7.679
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

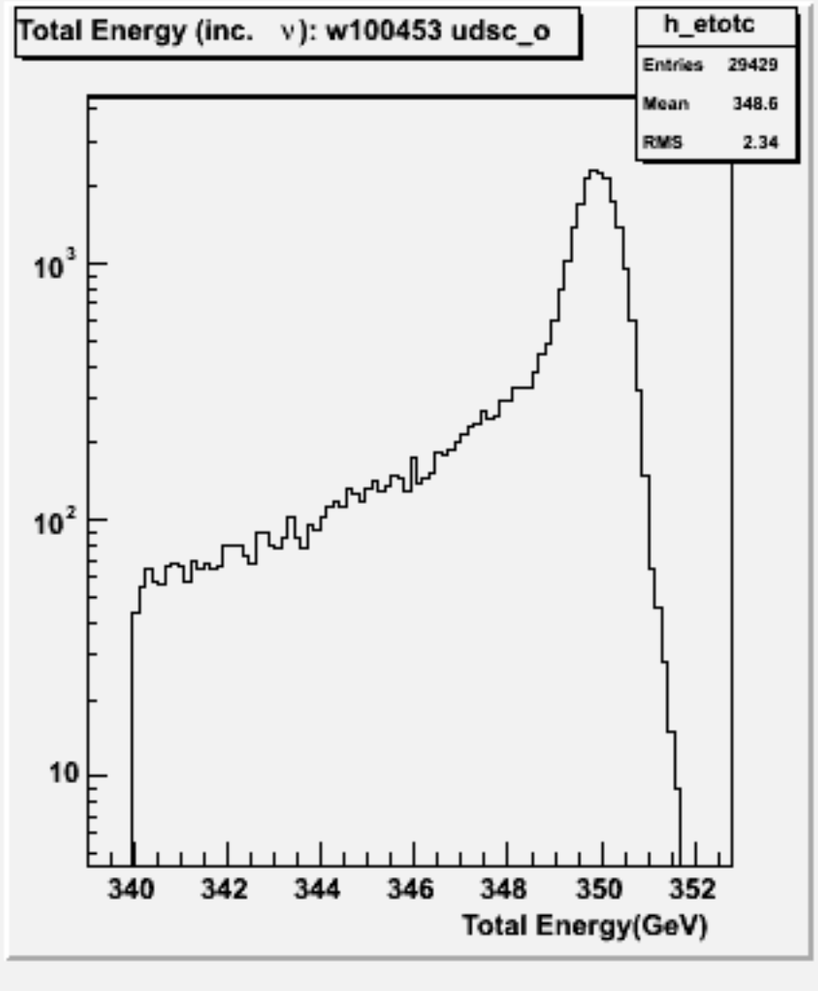

Particle Pt : w100453 udsc_o
h_pt
Entries 2712654
Mean 3.177
RMS 5.777
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
Pt(GeV)

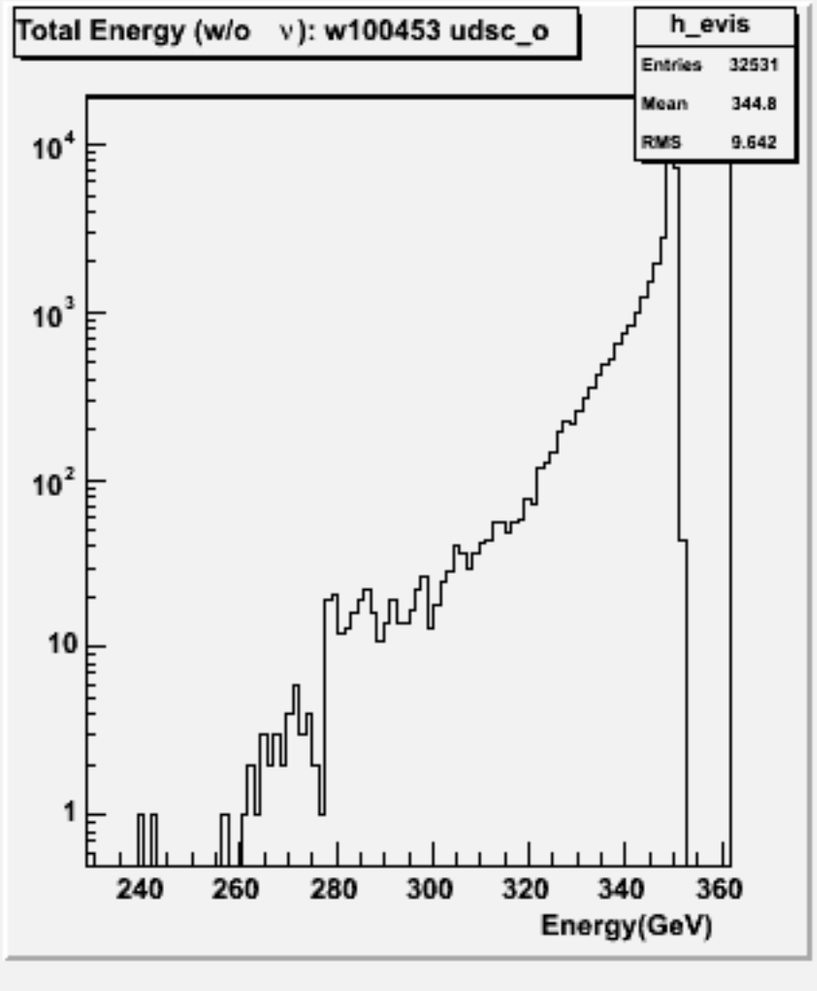

Particle cosθ : w100453 udsc_o
h_cs
Entries 2712654
Mean 0.006231
RMS 0.5738
-1
-0.5
0
0.5
1
cos θ

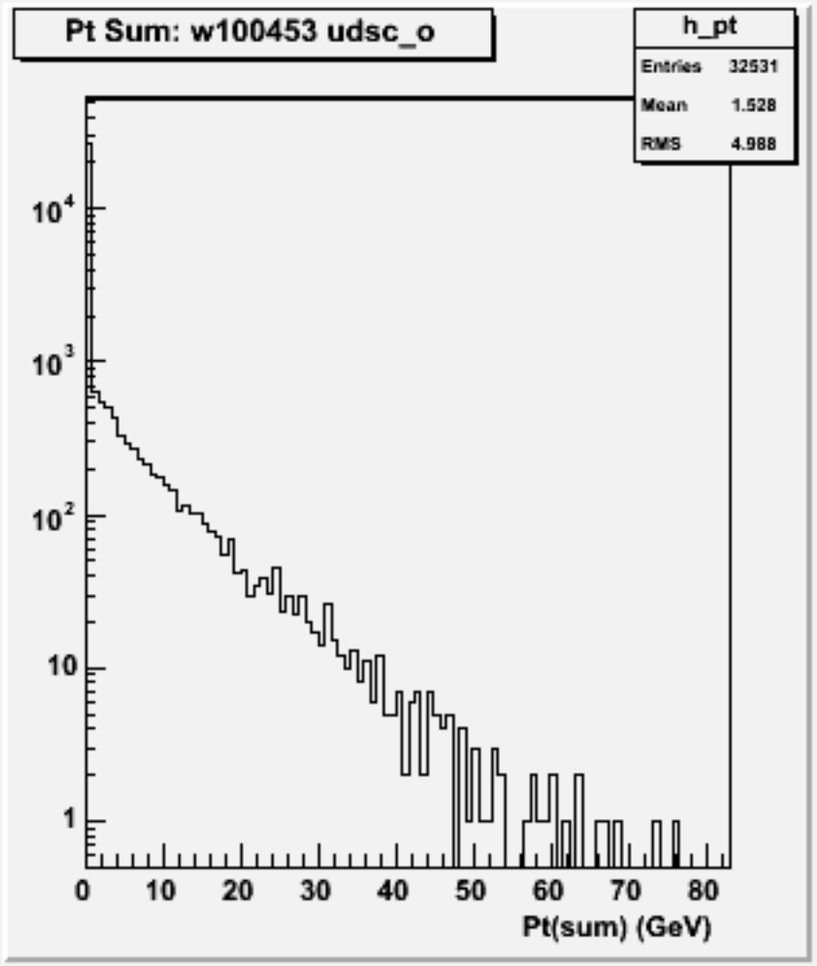

Start point R : w100453 udsc_o
h_vr
Entries 2712654
Mean 43.36
RMS 323.3
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
Start point Radius

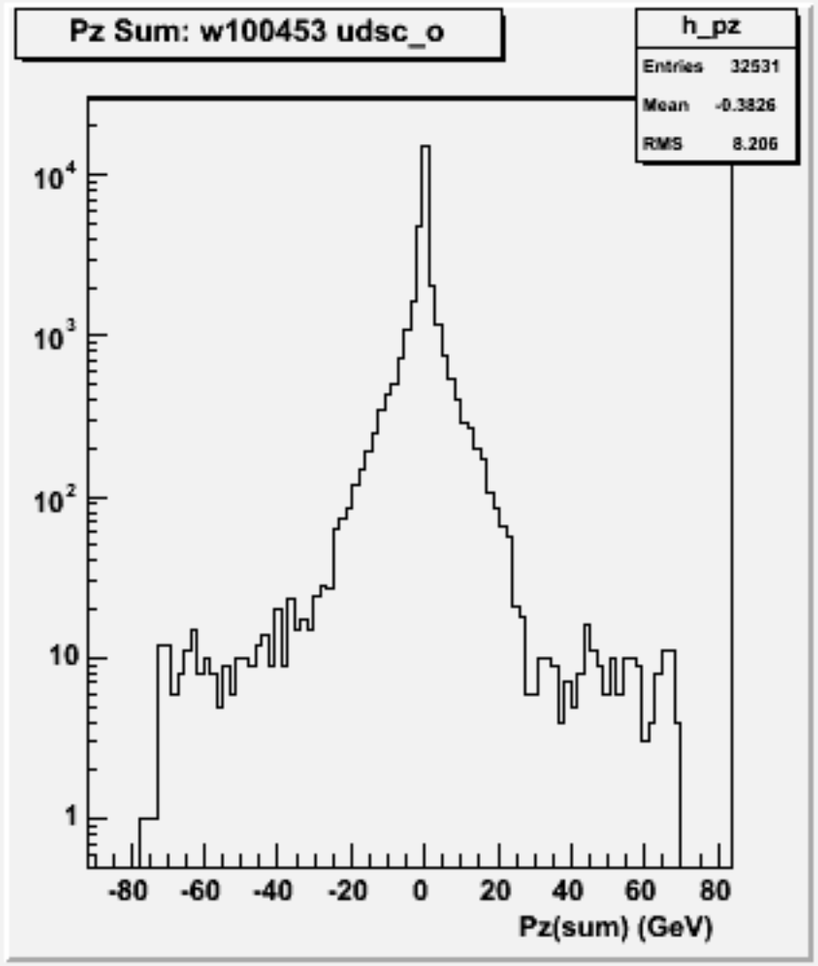

Start point Z : w100453 udsc_o
h_vz
Entries 2712654
Mean -1.475
RMS 222.7
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-15000
-10000
-5000
0
5000
10000
15000
20000
Start point

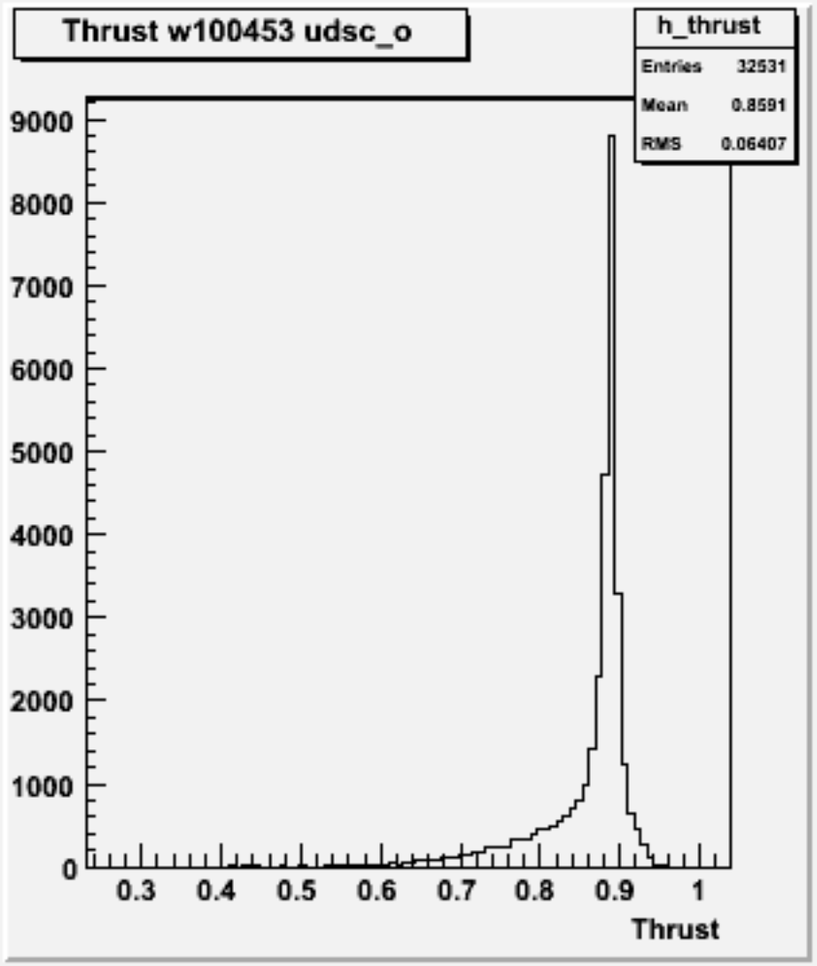

Total Energy (inc. ν): w100453 udsc_o
h_etot
Entries 32531
Mean 346.8
RMS 7.563
Total Energy(GeV)

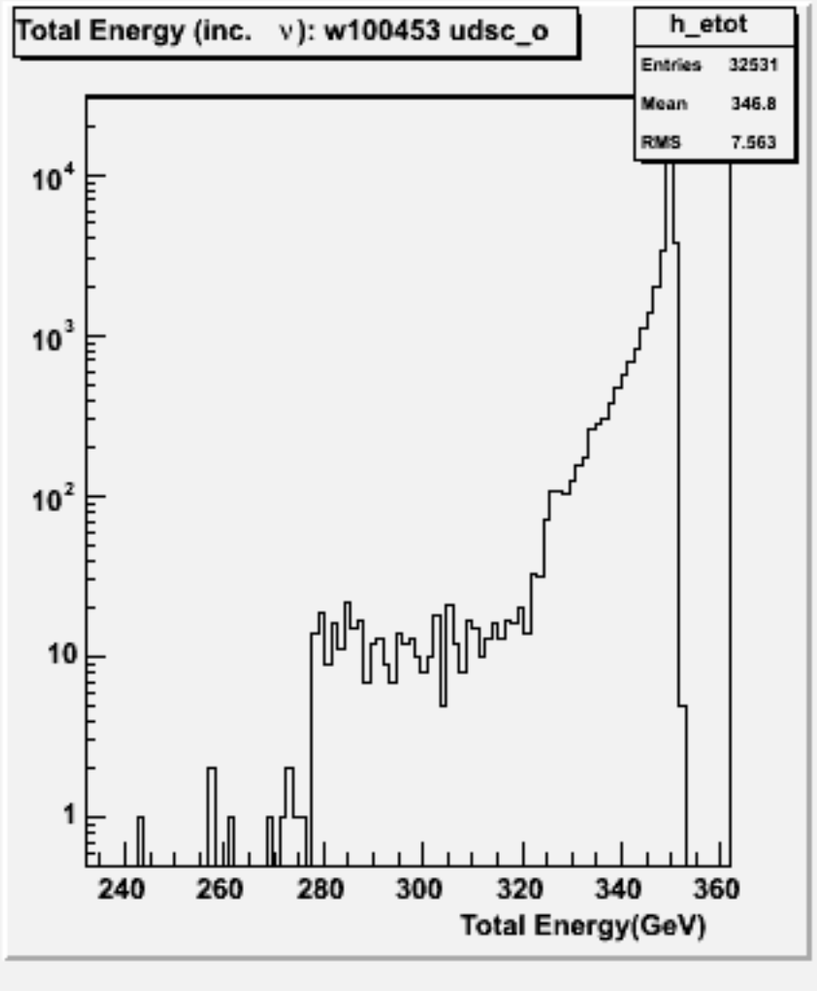

Total Energy (inc. ν): w100453 udsc_o
h_etotc
Entries 29429
Mean 348.6
RMS 2.34
Total Energy(GeV)

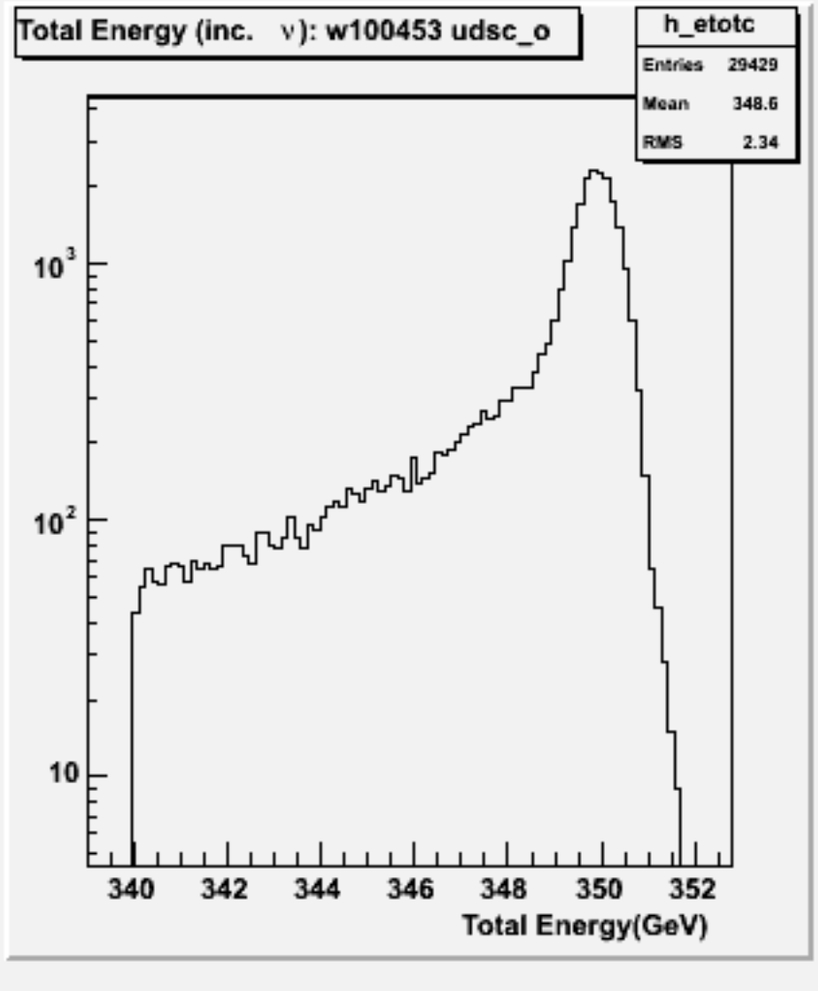

Total Energy (w/o ν): w100453 udsc_o
h_evis
Entries 32531
Mean 344.8
RMS 9.642
Energy(GeV)

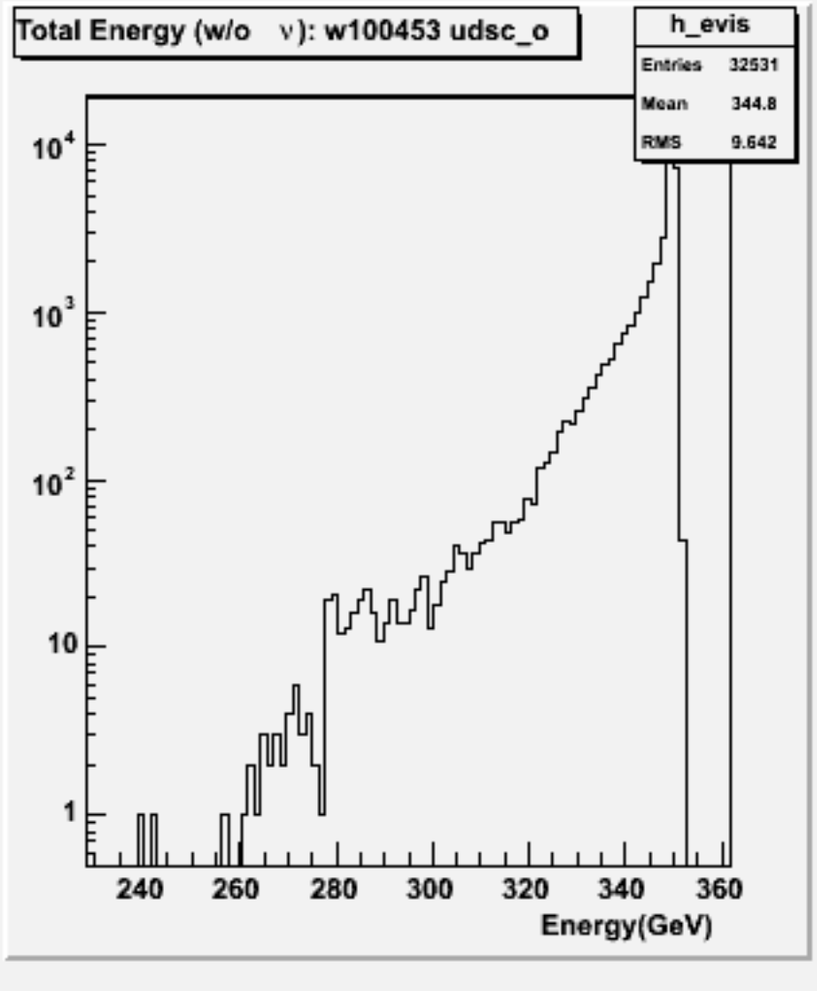

Pt Sum: w100453 udsc_o
h_pt
Entries 32531
Mean 1.528
RMS 4.988
Pt(sum) (GeV)

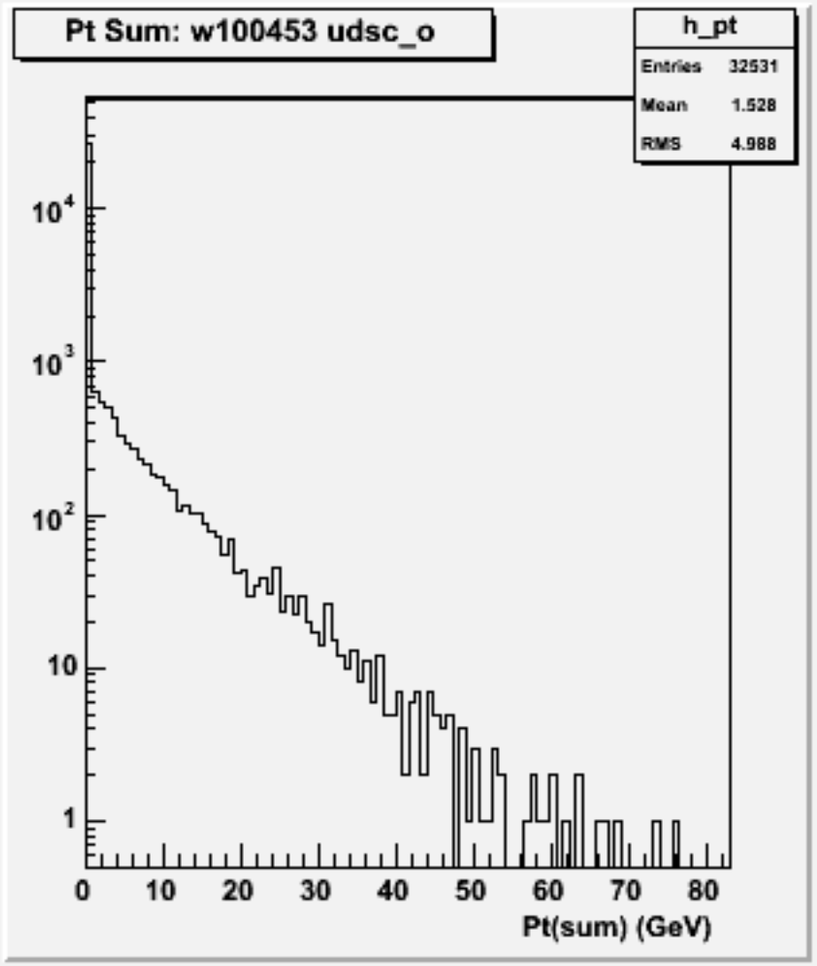

Pz Sum: w100453 udsc_o
h_pz
Entries 32531
Mean -0.3826
RMS 8.206
Pz(sum) (GeV)

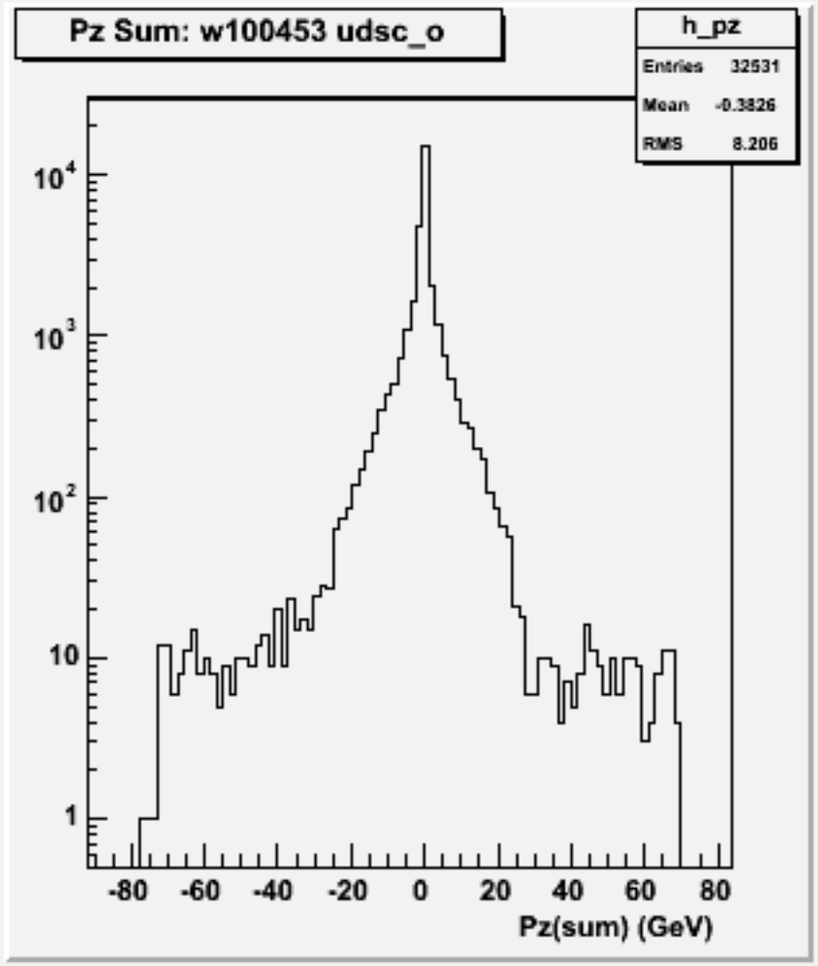

Thrust w100453 udsc_o
h_thrust
Entries 32531
Mean 0.8591
RMS 0.06407
Thrust

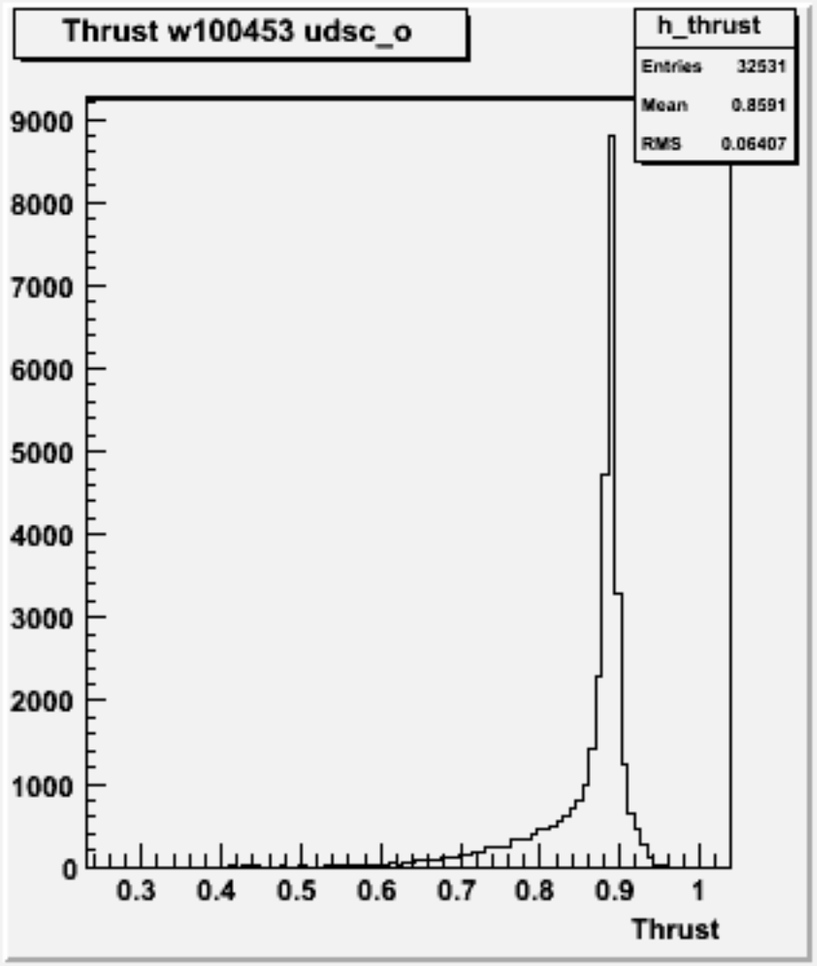

Total Energy (inc. ν): w100453 udsc_o
h_etot
Entries 32531
Mean 346.8
RMS 7.563
Total Energy(GeV)

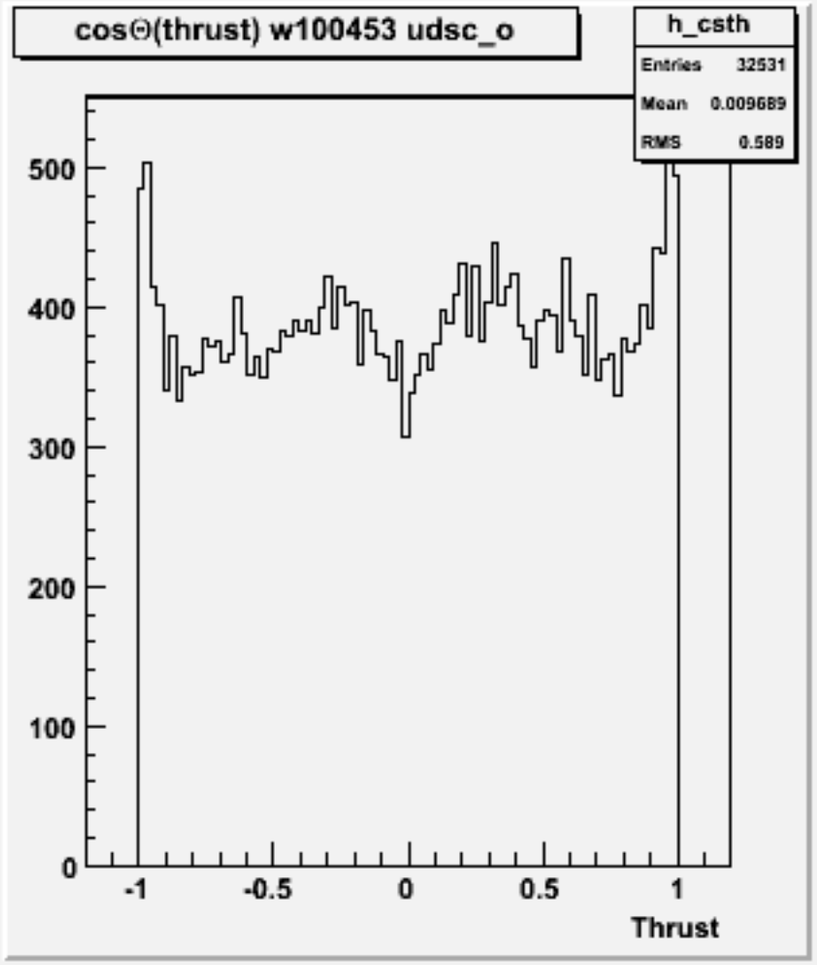

Total Energy (inc. ν): w100453 udsc_o
h_etotc
Entries 29429
Mean 348.6
RMS 2.34
Total Energy(GeV)

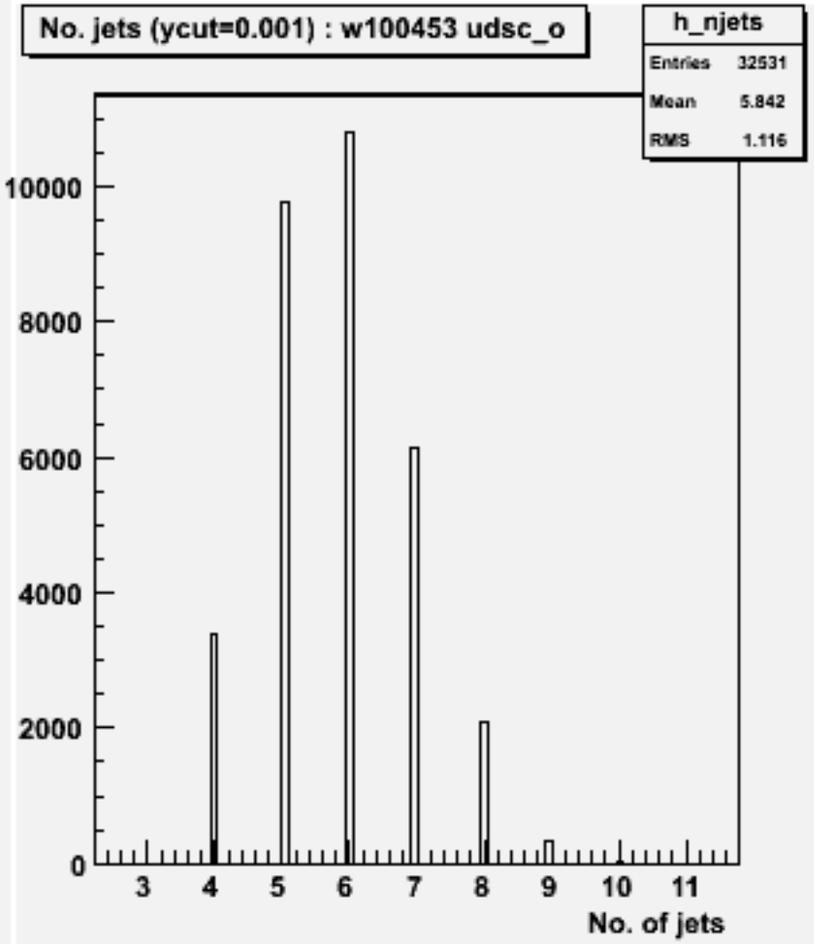

Total Energy (w/o ν): w100453 udsc_o
h_evis
Entries 32531
Mean 344.8
RMS 9.642
Energy(GeV)

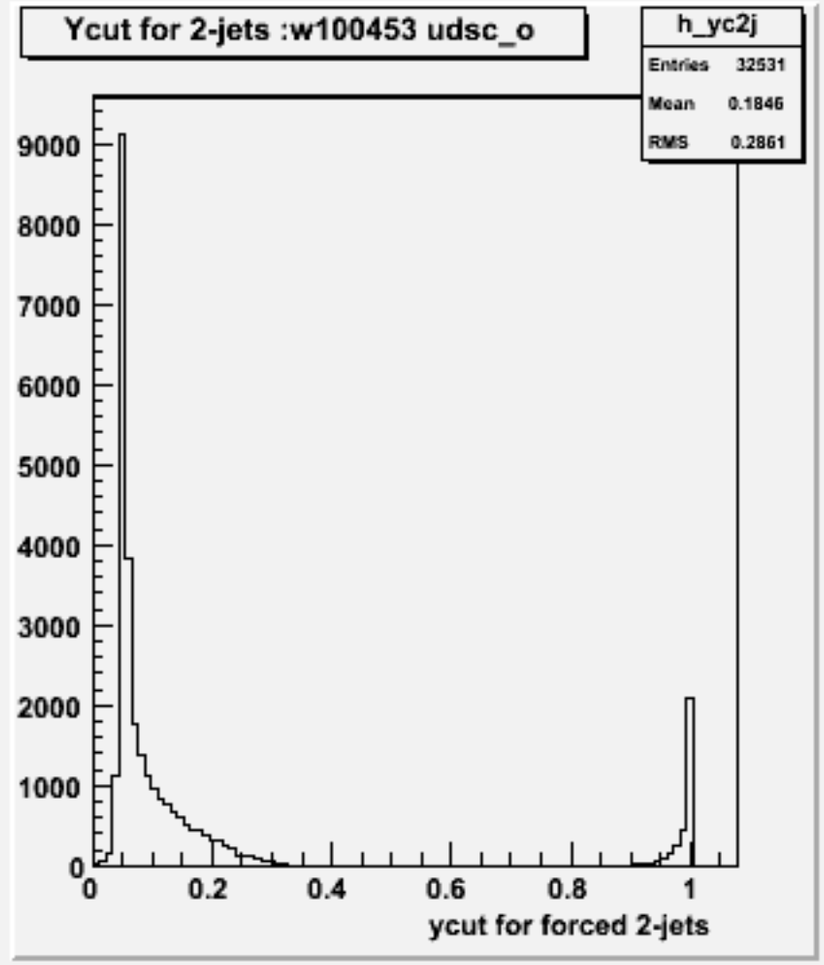

Pt Sum: w100453 udsc_o
h_pt
Entries 32531
Mean 1.528
RMS 4.988
Pt(sum) (GeV)

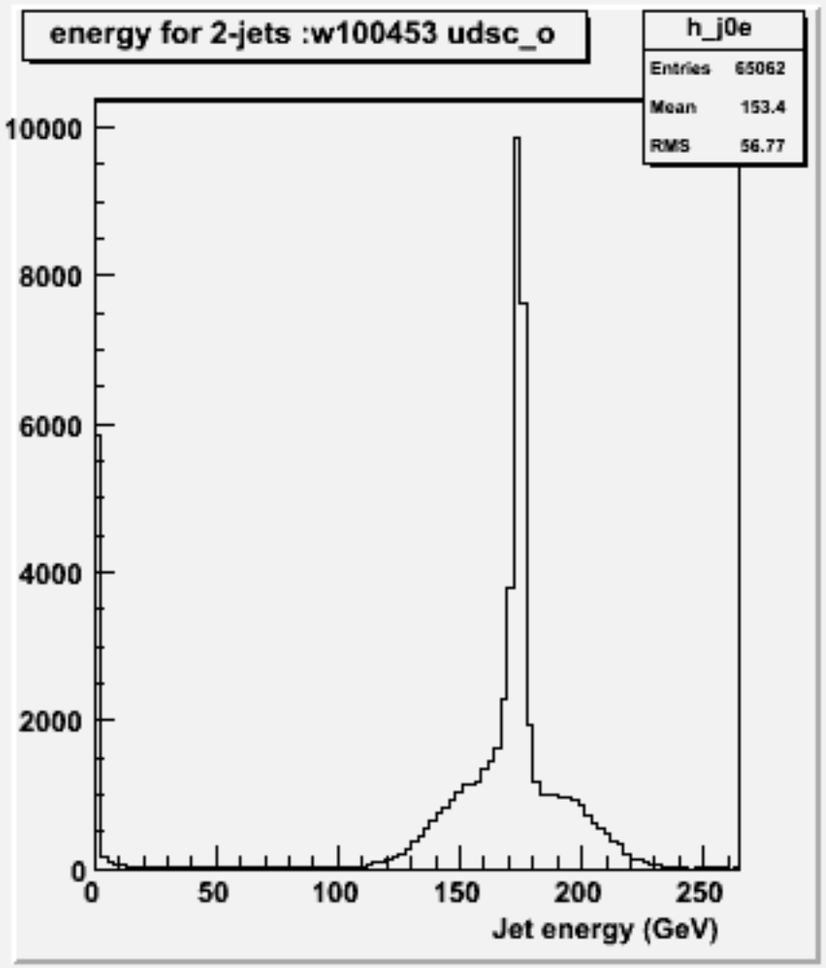

Pz Sum: w100453 udsc_o
h_pz
Entries 32531
Mean -0.3826
RMS 8.206
Pz(sum) (GeV)

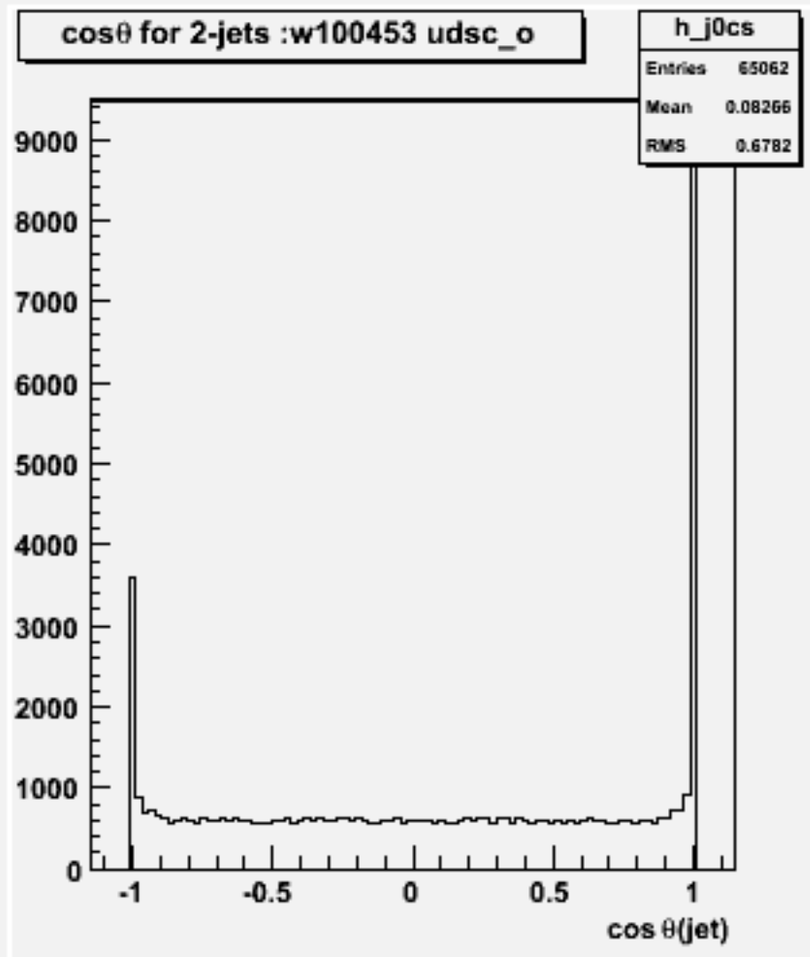

Thrust w100453 udsc_o
h_thrust
Entries 32531
Mean 0.8591
RMS 0.06407
Thrust

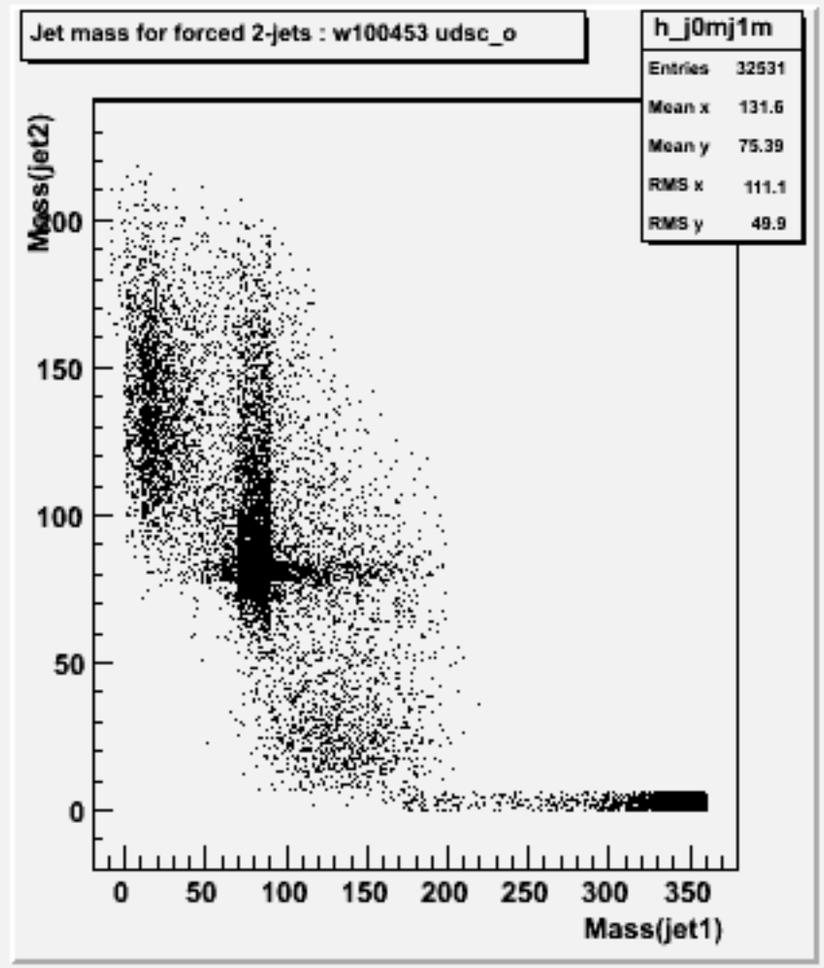

cosΘ(thrust) w100453 udsc_o
h_csth
Entries 32531
Mean 0.009689
RMS 0.589
Thrust

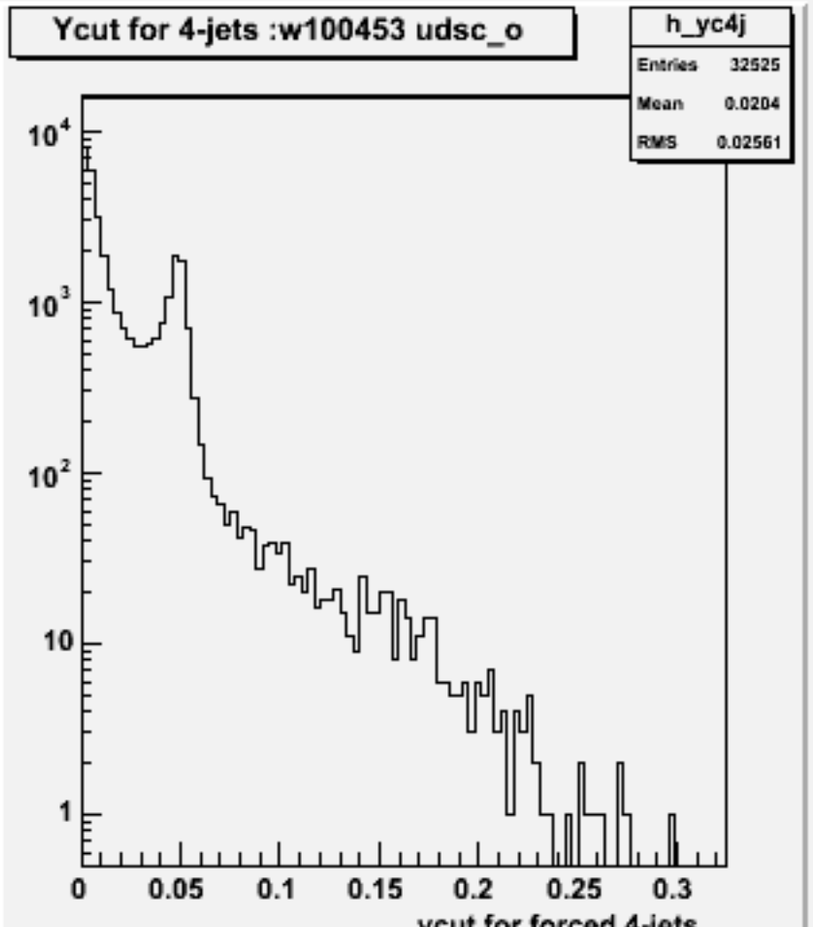

No. jets (ycut=0.001) : w100453 udsc_o
h_njets
Entries 32531
Mean 5.842
RMS 1.116
No. of jets

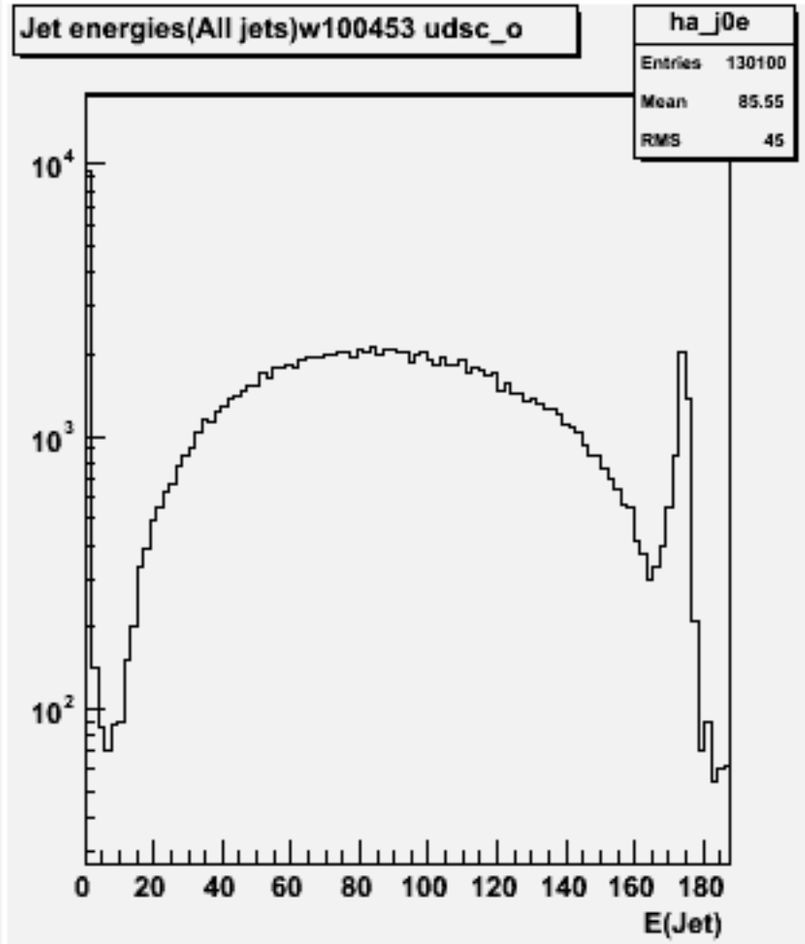

Ycut for 2-jets :w100453 udsc_o
h_yc2j
Entries 32531
Mean 0.1846
RMS 0.2861
ycut for forced 2-jets

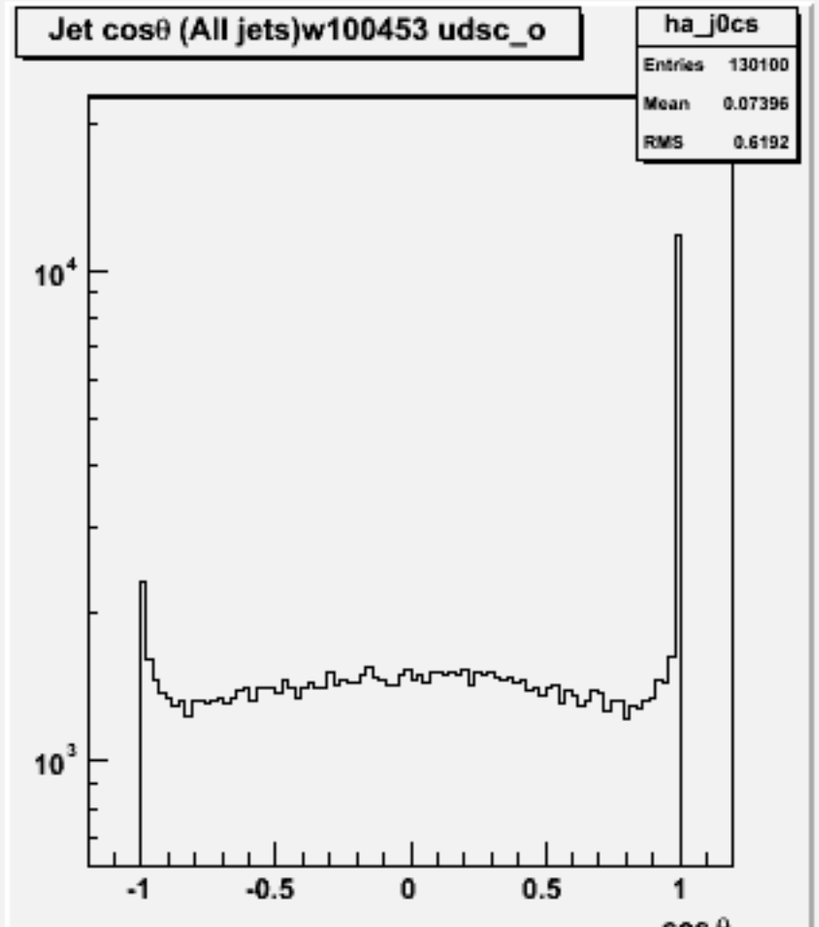

energy for 2-jets :w100453 udsc_o
h_j0e
Entries 65062
Mean 153.4
RMS 56.77
Jet energy (GeV)

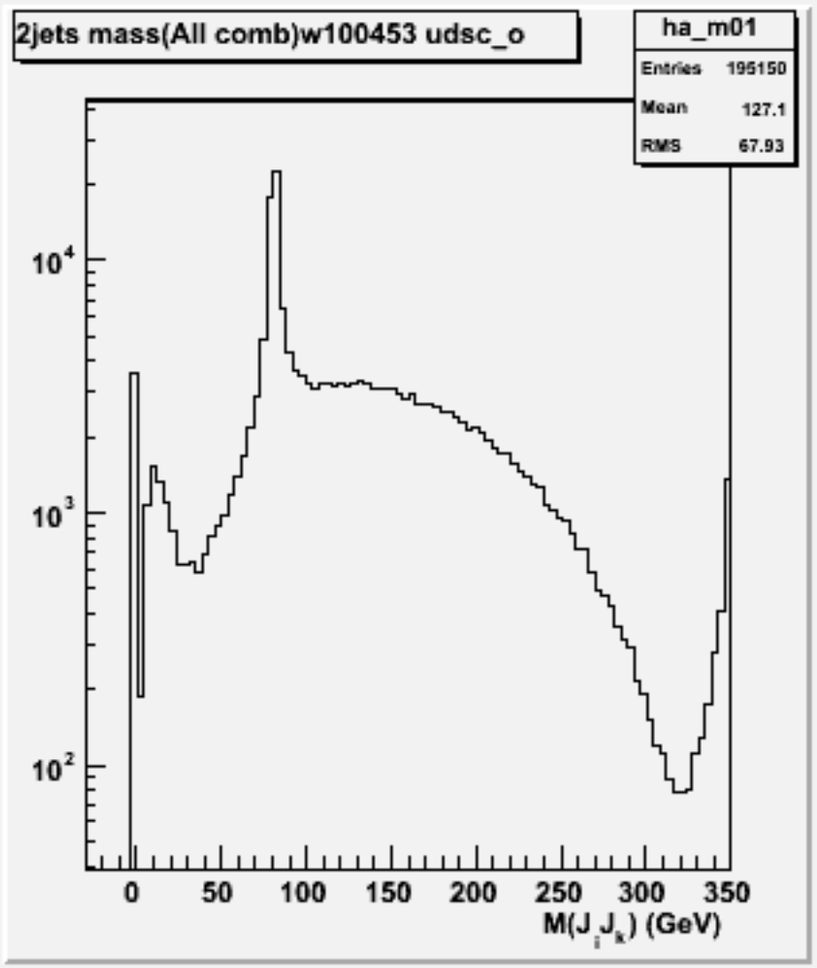

cosθ for 2-jets :w100453 udsc_o
h_j0cs
Entries 65062
Mean 0.08266
RMS 0.6782
cos θ(jet)

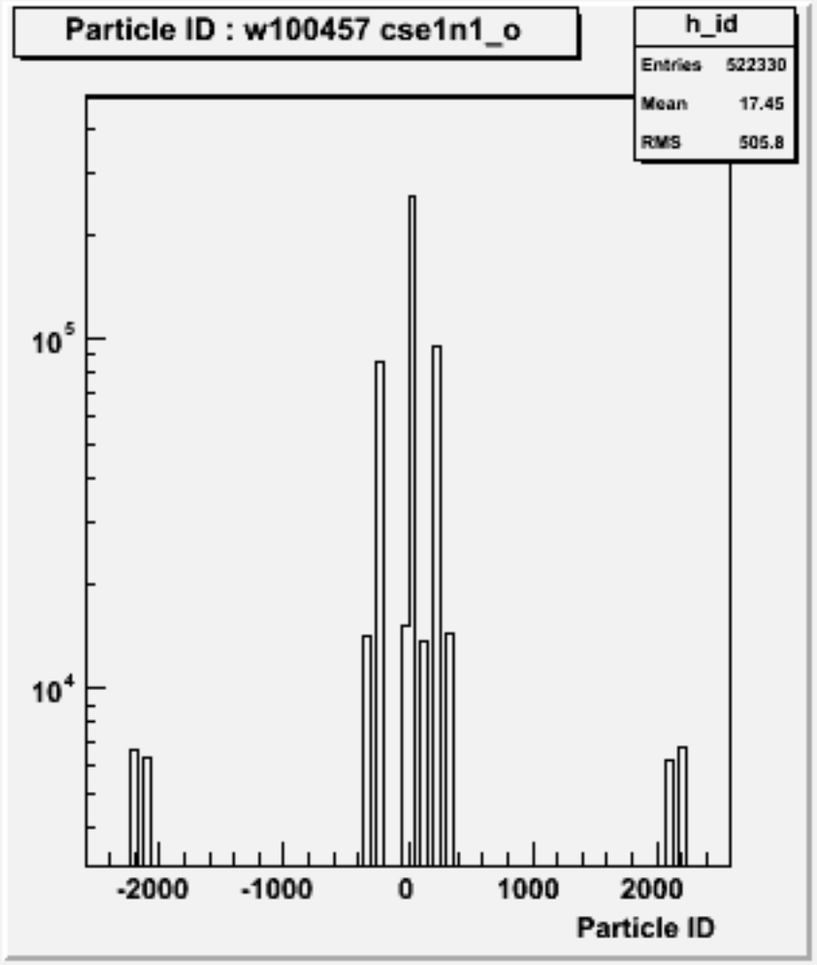

Jet mass for forced 2-jets : w100453 udsc_o
h_j0mj1m
Entries 32531
Mean x 131.6
Mean y 75.39
RMS x 111.1
RMS y 49.9
Mass(jet2)
Mass(jet1)

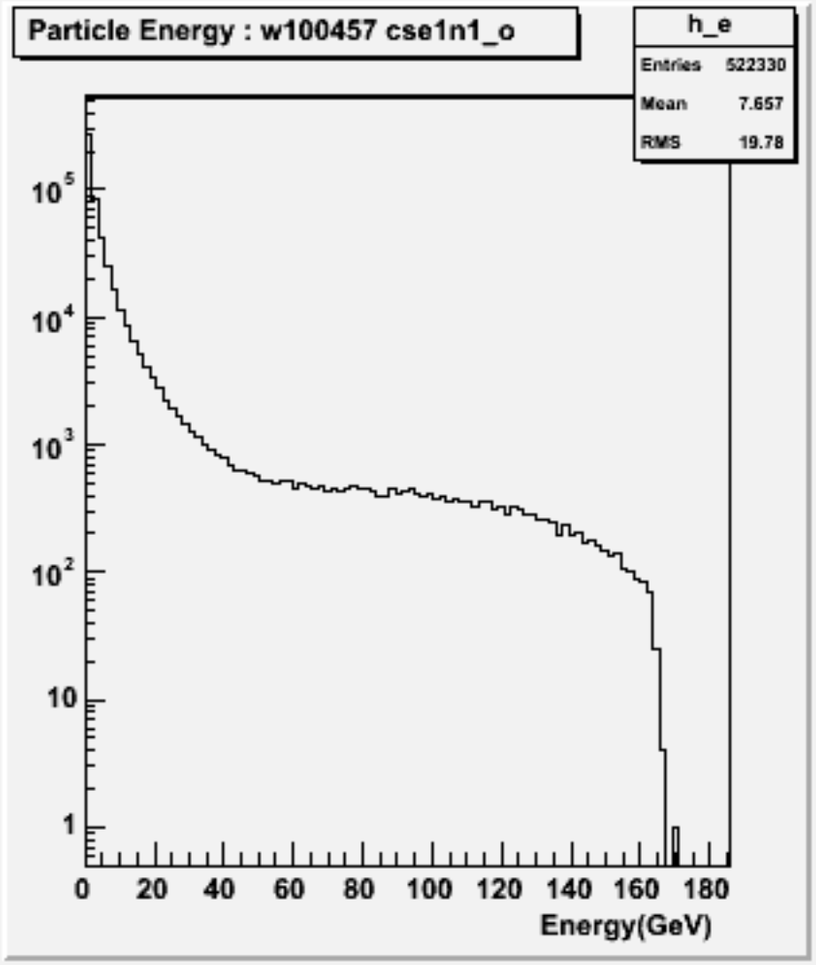

Ycut for 4-jets :w100453 udsc_o
h_yc4j
Entries 32525
Mean 0.0204
RMS 0.02561
ycut for forced 4-jets

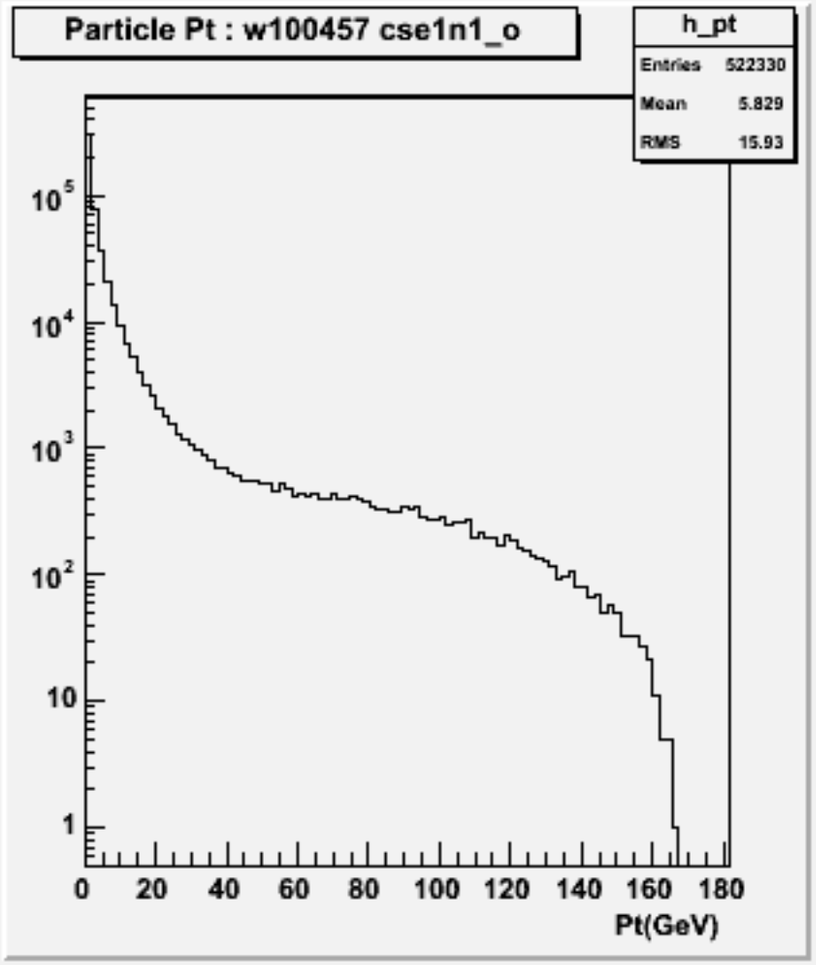

Jet energies(All jets)w100453 udsc_o
ha_j0e
Entries 130100
Mean 85.55
RMS 45
E(Jet)

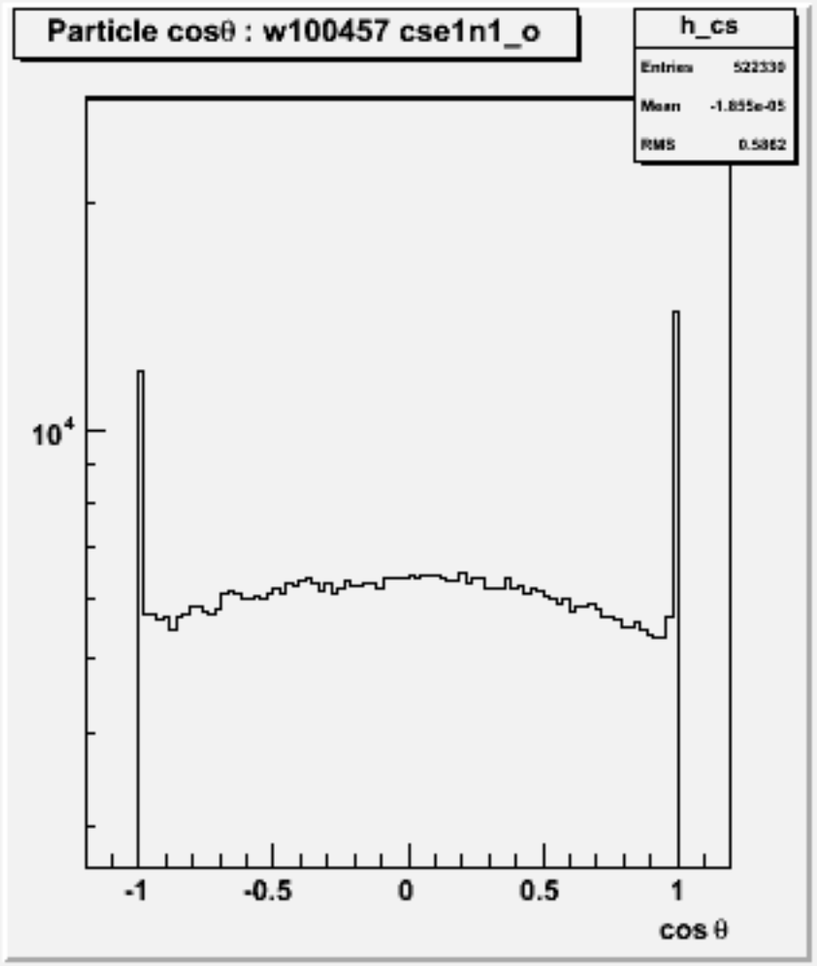

Jet cosθ (All jets)w100453 udsc_o
ha_j0cs
Entries 130100
Mean 0.07396
RMS 0.6192
cos θ

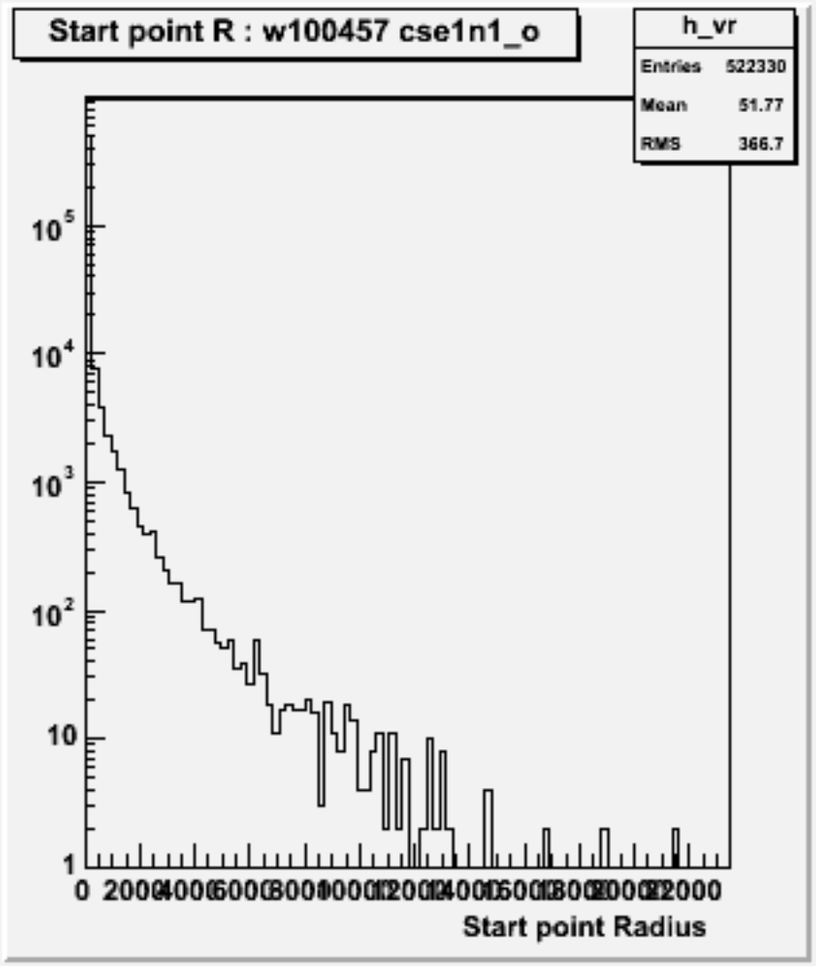

2jets mass(All comb)w100453 udsc_o
ha_m01
Entries 195150
Mean 127.1
RMS 67.93
M(J_iJ_k) (GeV)

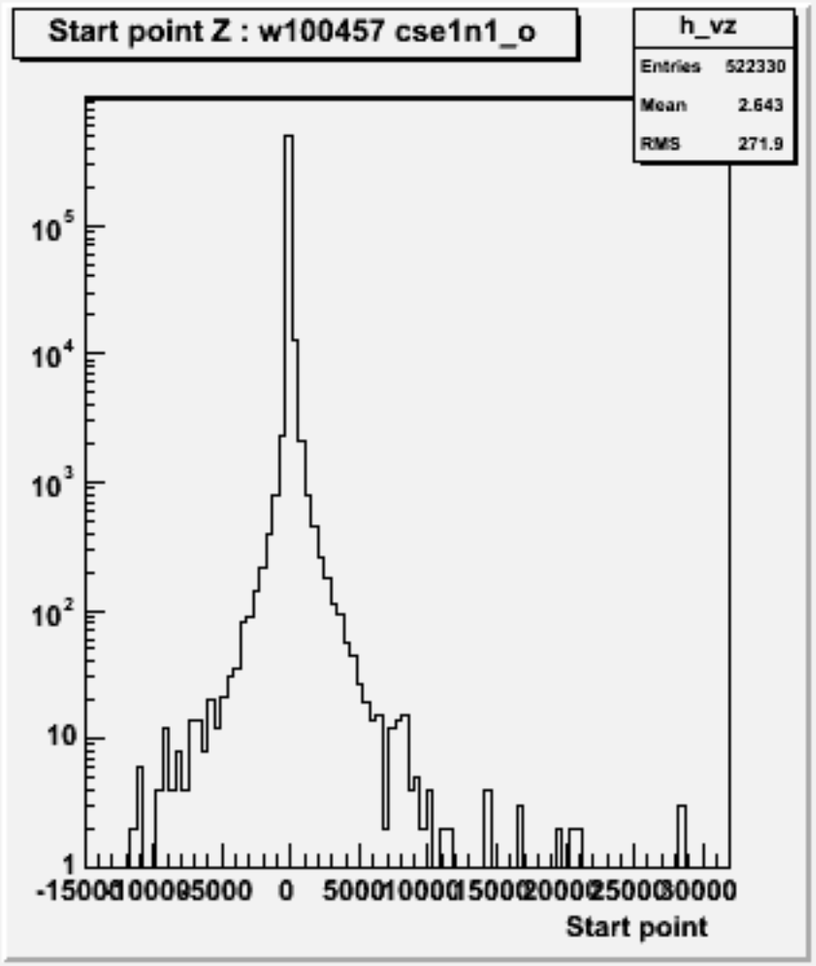

Particle ID : w100457 cse1n1_o
h_id
Entries 522330
Mean 17.45
RMS 505.8
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

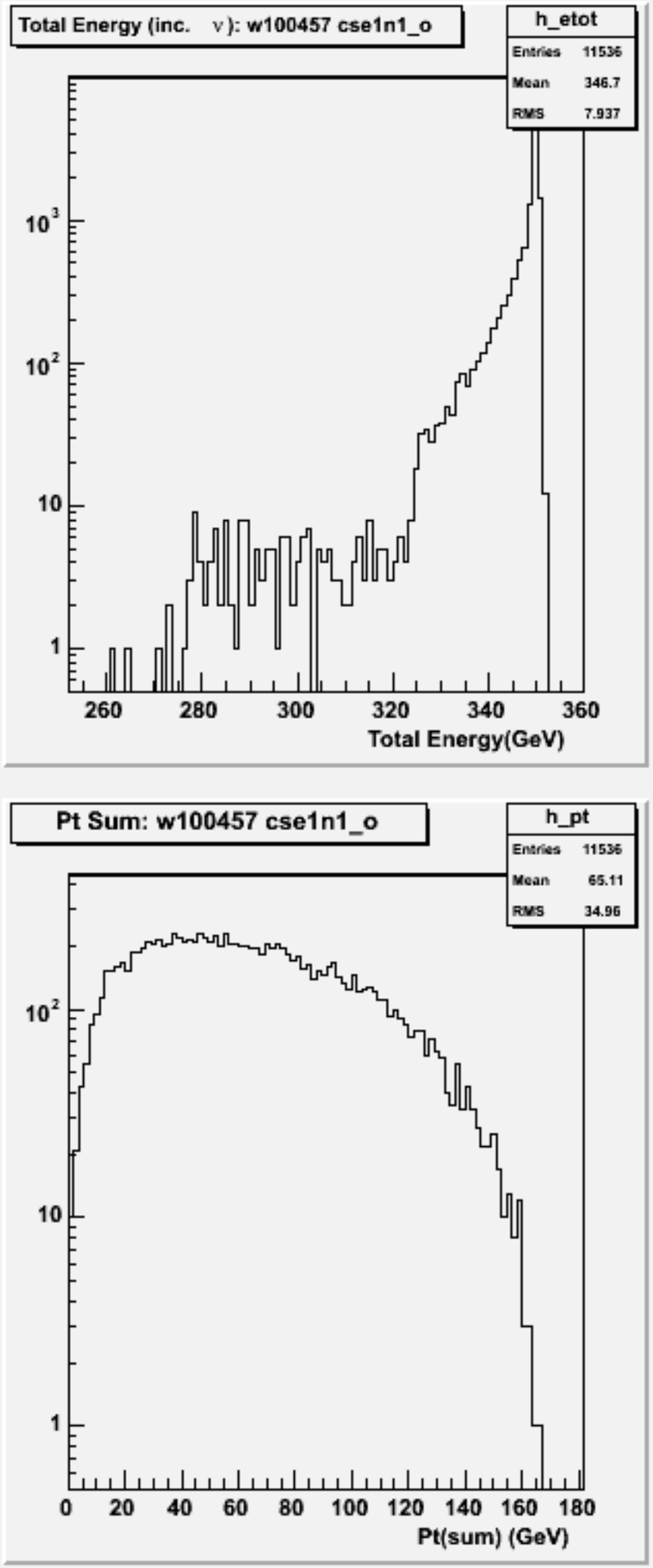

Particle Energy : w100457 cse1n1_o
h_e
Entries 522330
Mean 7.657
RMS 19.78
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

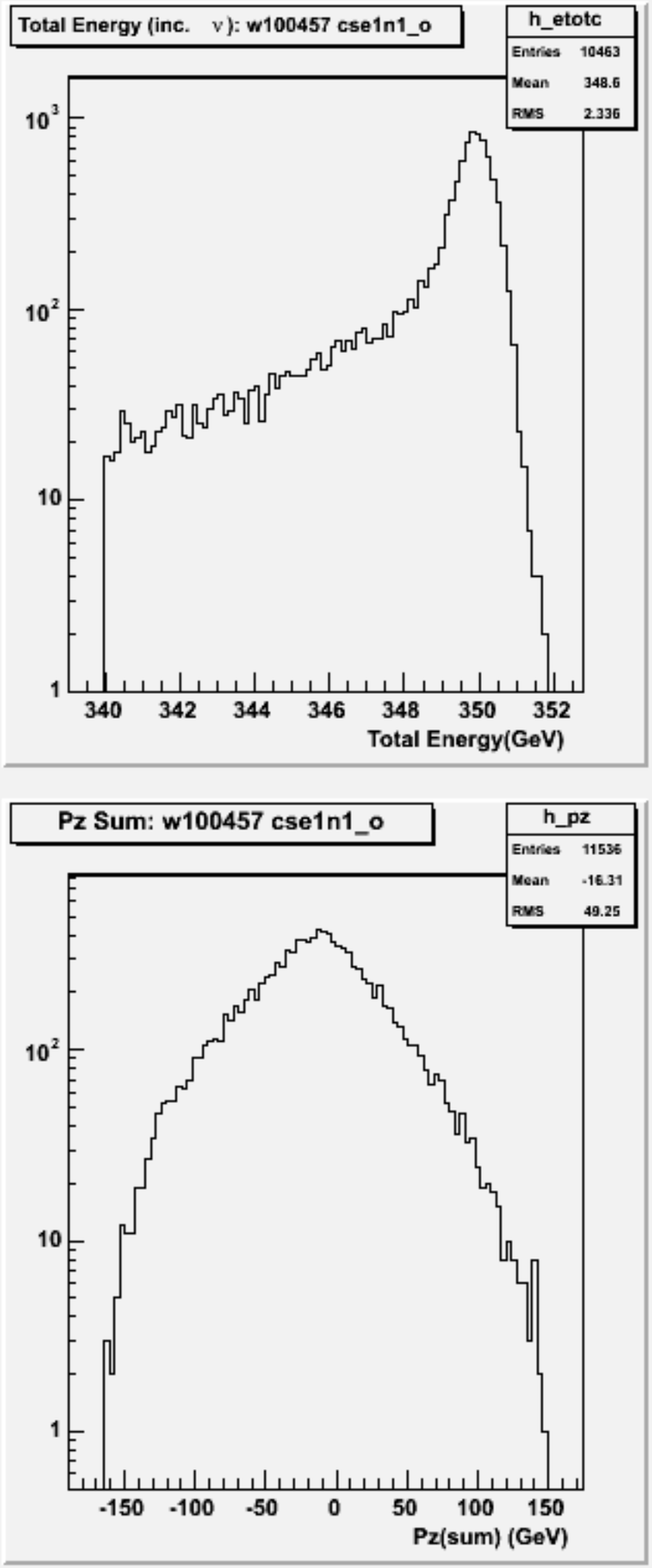

Particle Pt : w100457 cse1n1_o
h_pt
Entries 522330
Mean 5.829
RMS 15.93
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

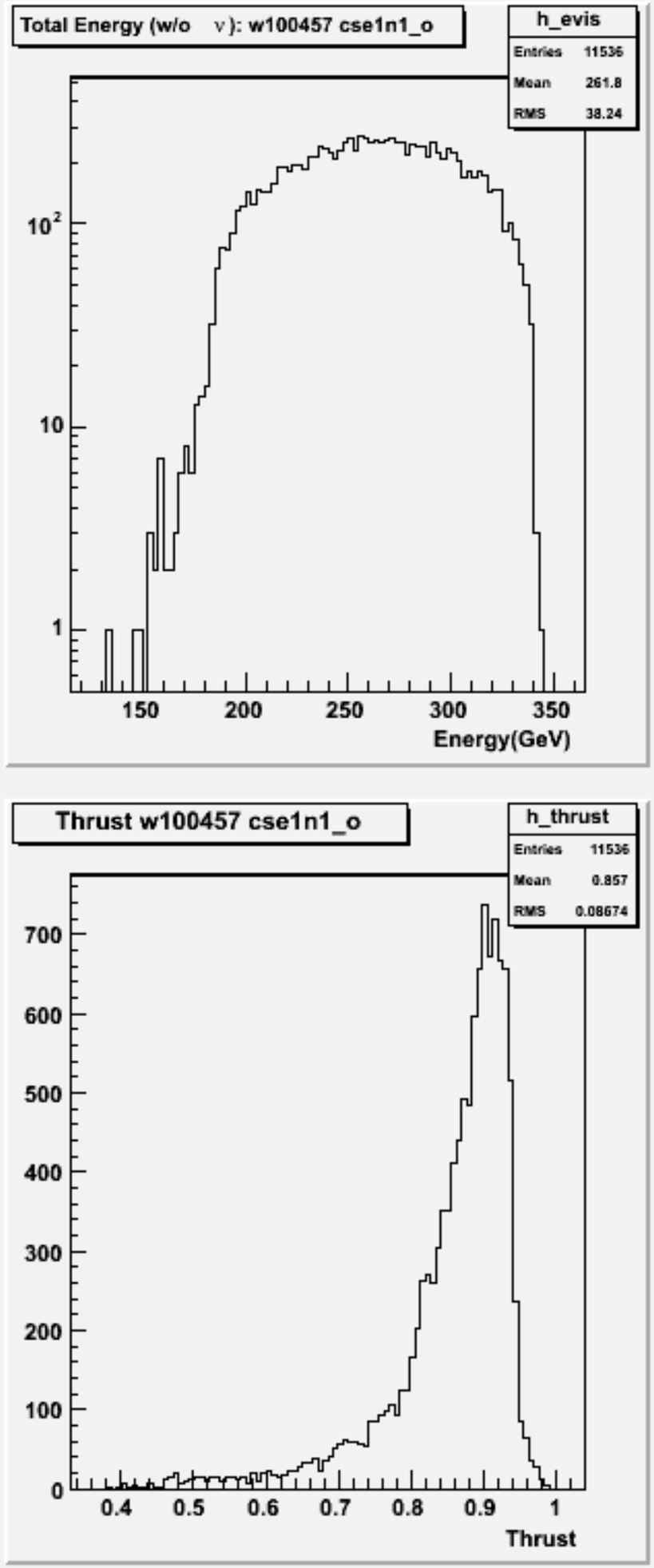

Particle cosθ : w100457 cse1n1_o
h_cs
Entries 522330
Mean -1.855e-05
RMS 0.5862
10^4
-1
-0.5
0
0.5
1
cos θ


Start point R : w100457 cse1n1_o
h_vr
Entries 522330
Mean 51.77
RMS 366.7
10^5
10^4
10^3
10^2
10
1
0
Start point Radius


Start point Z : w100457 cse1n1_o
h_vz
Entries 522330
Mean 2.643
RMS 271.9
10^5
10^4
10^3
10^2
10
1
Start point


Total Energy (inc. ν): w100457 cse1n1_o
h_etot
Entries 11536
Mean 346.7
RMS 7.937
Total Energy(GeV)

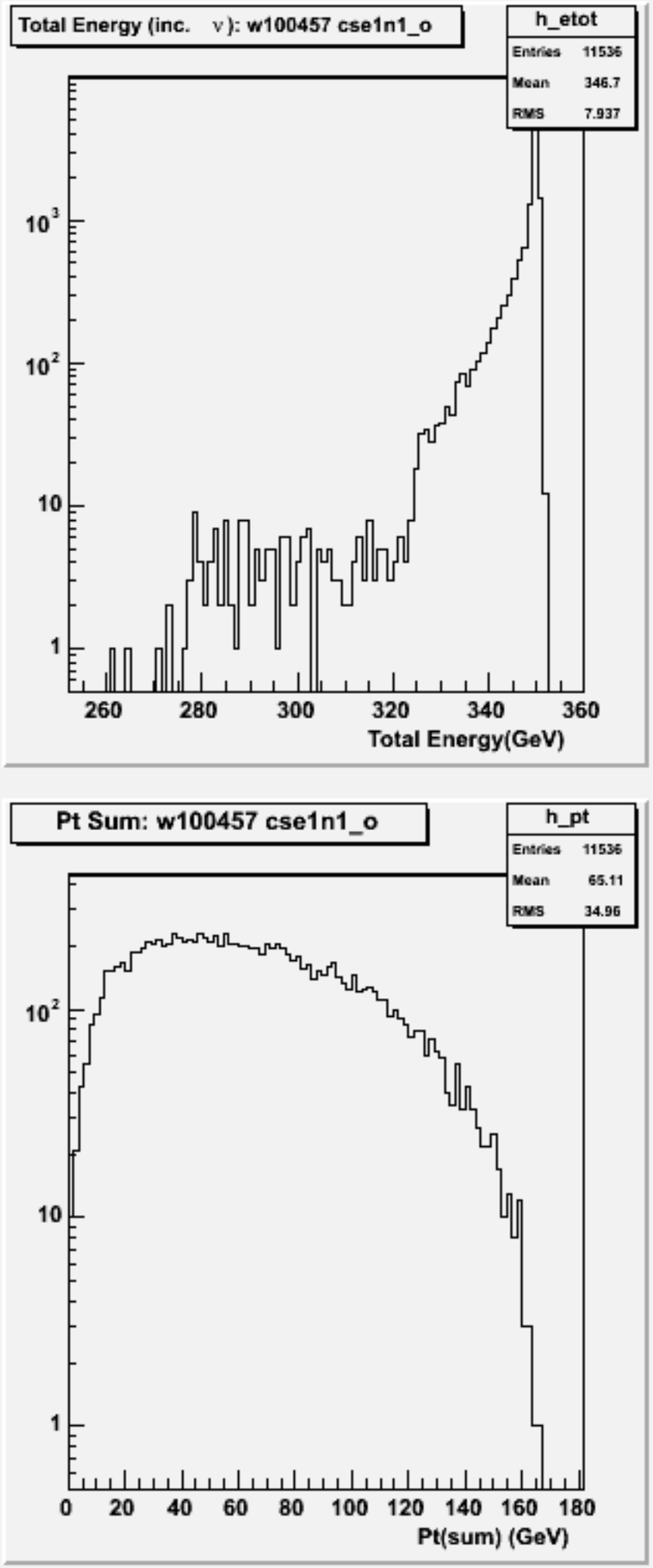

Total Energy (inc. ν): w100457 cse1n1_o
h_etotc
Entries 10463
Mean 348.6
RMS 2.336
Total Energy(GeV)

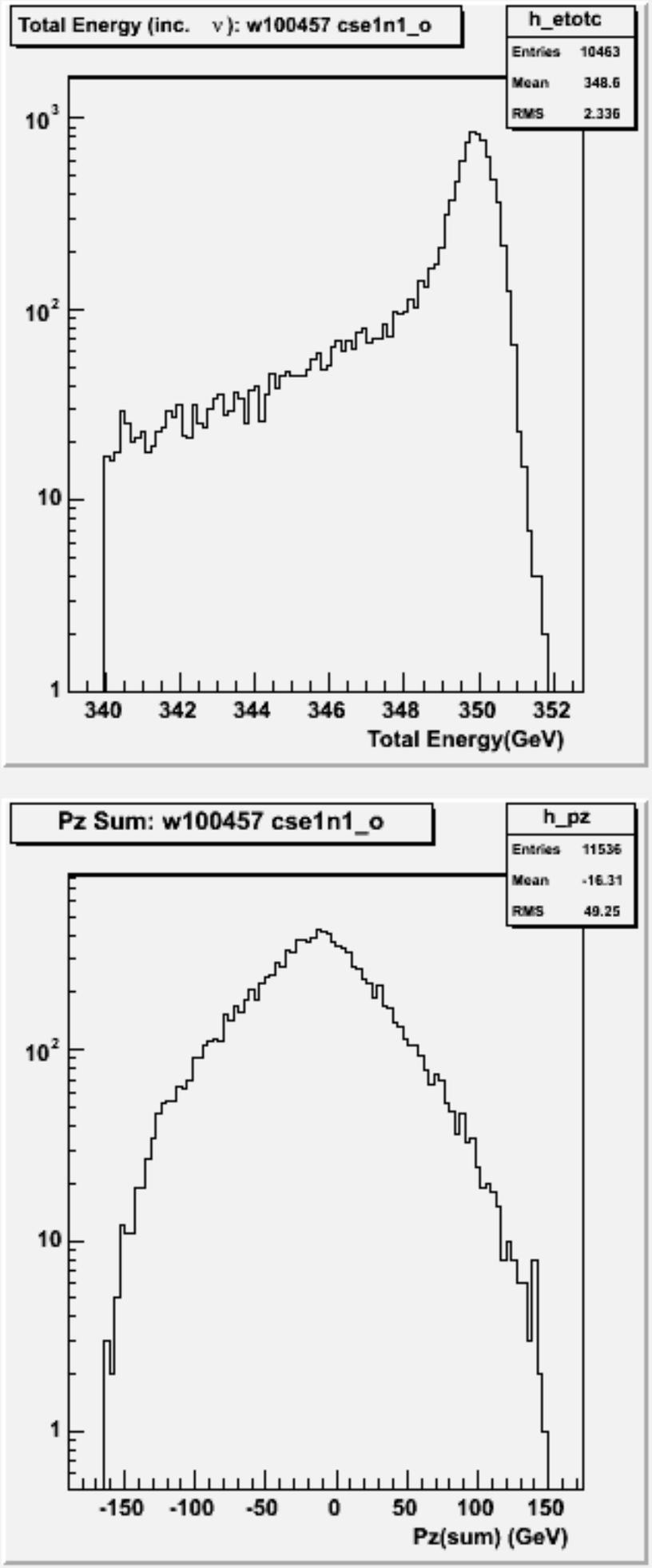

Total Energy (w/o ν): w100457 cse1n1_o
h_evis
Entries 11536
Mean 261.8
RMS 38.24
Energy(GeV)

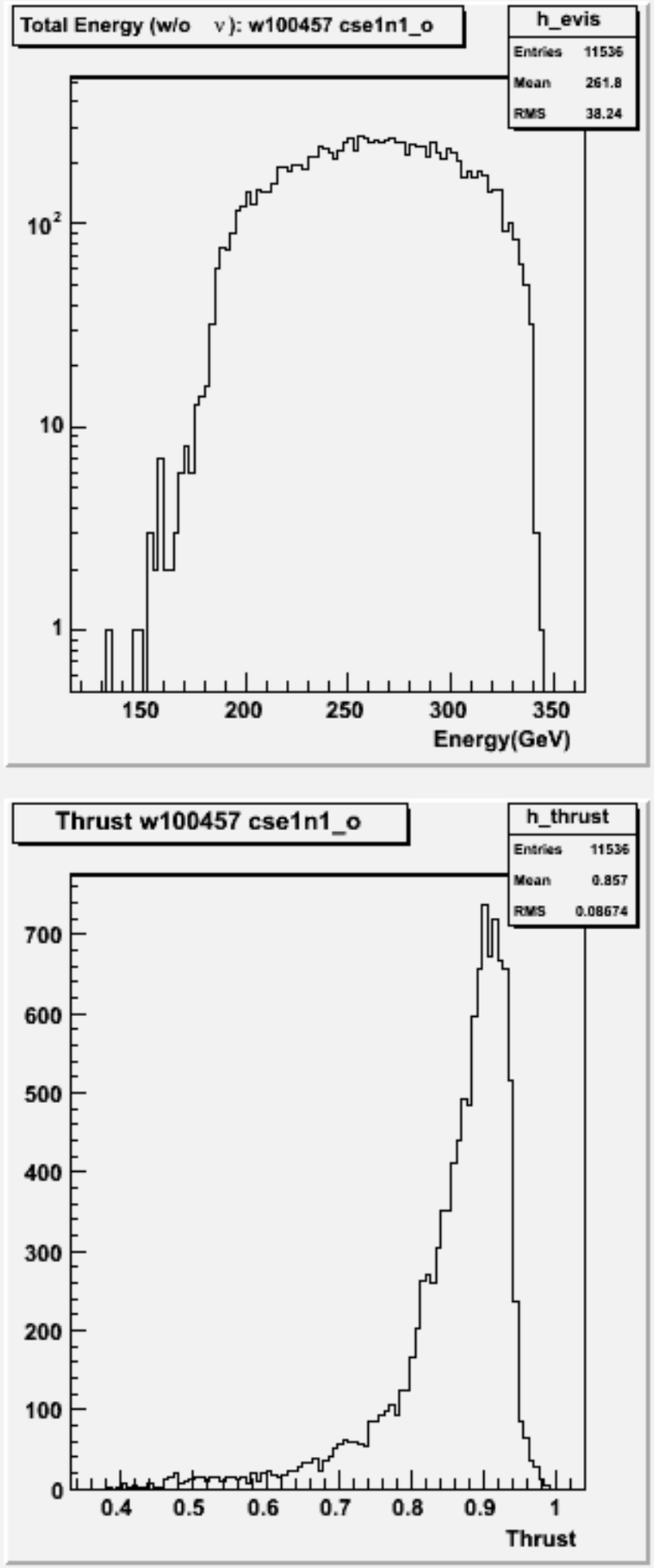
Pt Sum: w100457 cse1n1_o
h_pt
Entries 11536
Mean 65.11
RMS 34.96
Pt(sum) (GeV)

Pz Sum: w100457 cse1n1_o
h_pz
Entries 11536
Mean -16.31
RMS 49.25
Pz(sum) (GeV)

Thrust w100457 cse1n1_o
h_thrust
Entries 11536
Mean 0.857
RMS 0.08674
Thrust


Total Energy (inc. ν): w100457 cse1n1_o
h_etot
Entries 11536
Mean 346.7
RMS 7.937
Total Energy(GeV)

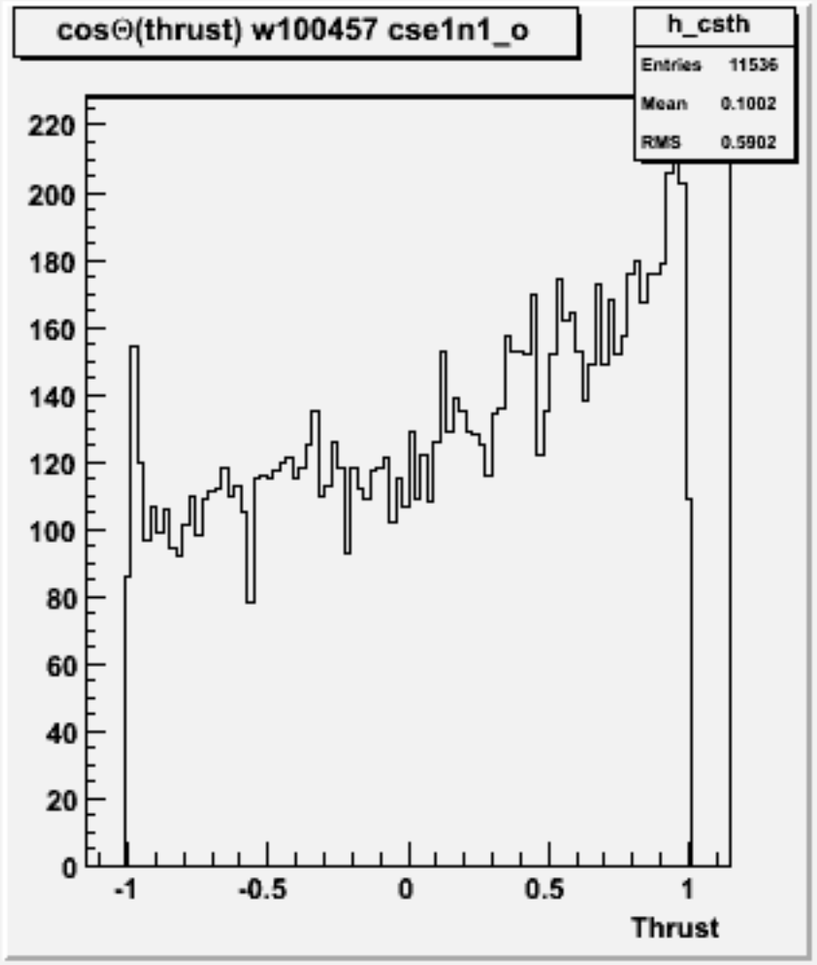

Total Energy (inc. ν): w100457 cse1n1_o
h_etotc
Entries 10463
Mean 348.6
RMS 2.336
Total Energy(GeV)

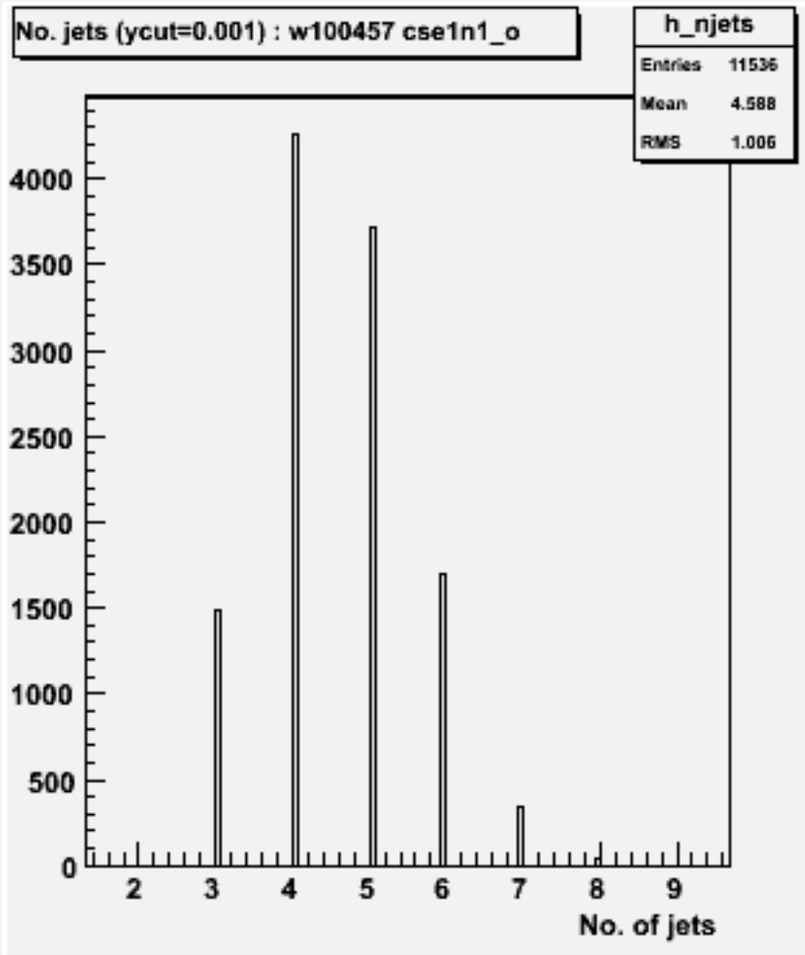

Total Energy (w/o ν): w100457 cse1n1_o
h_evis
Entries 11536
Mean 261.8
RMS 38.24
Energy(GeV)

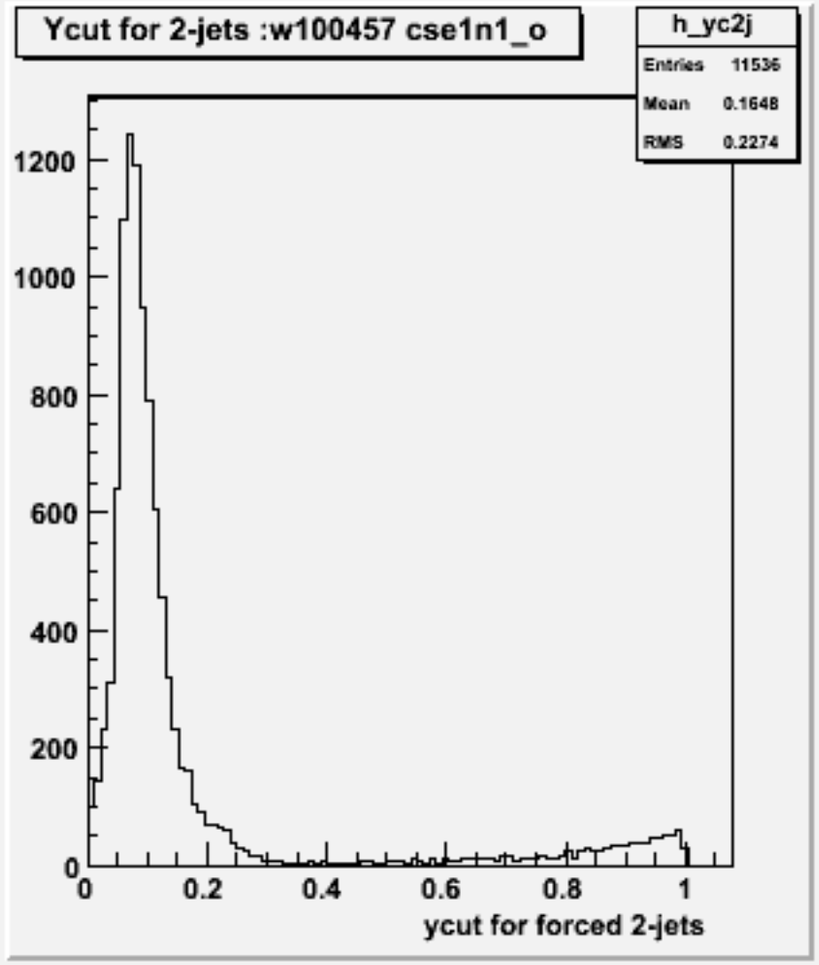
Pt Sum: w100457 cse1n1_o
h_pt
Entries 11536
Mean 65.11
RMS 34.96
Pt(sum) (GeV)

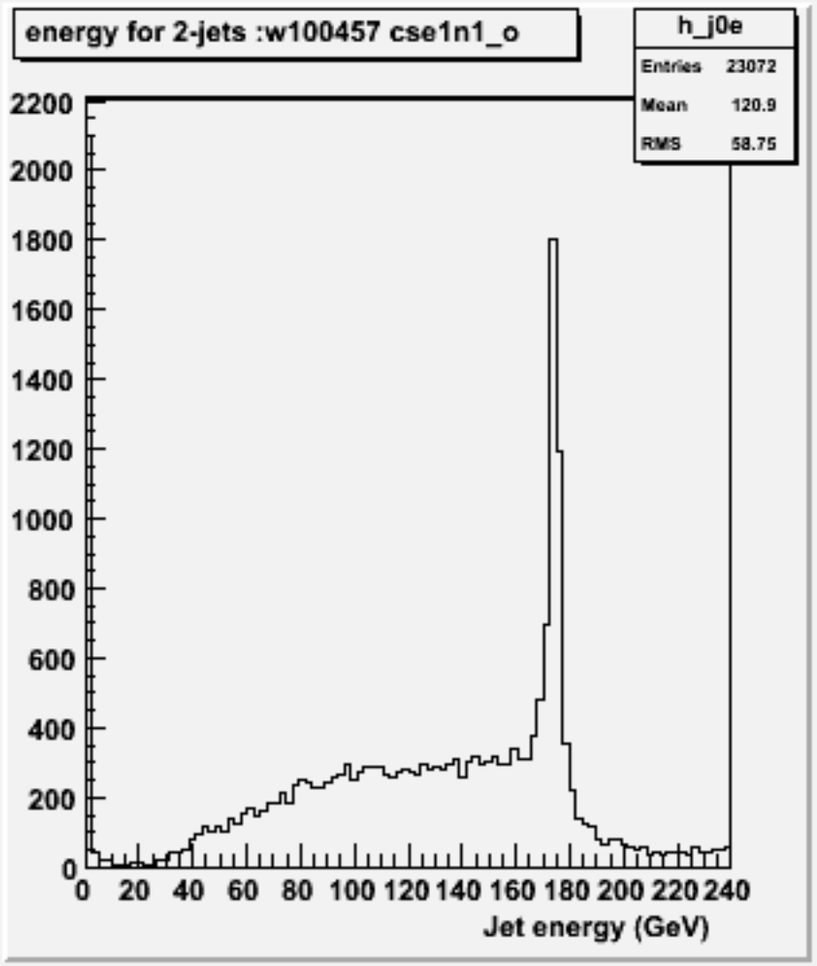
Pz Sum: w100457 cse1n1_o
h_pz
Entries 11536
Mean -16.31
RMS 49.25
Pz(sum) (GeV)

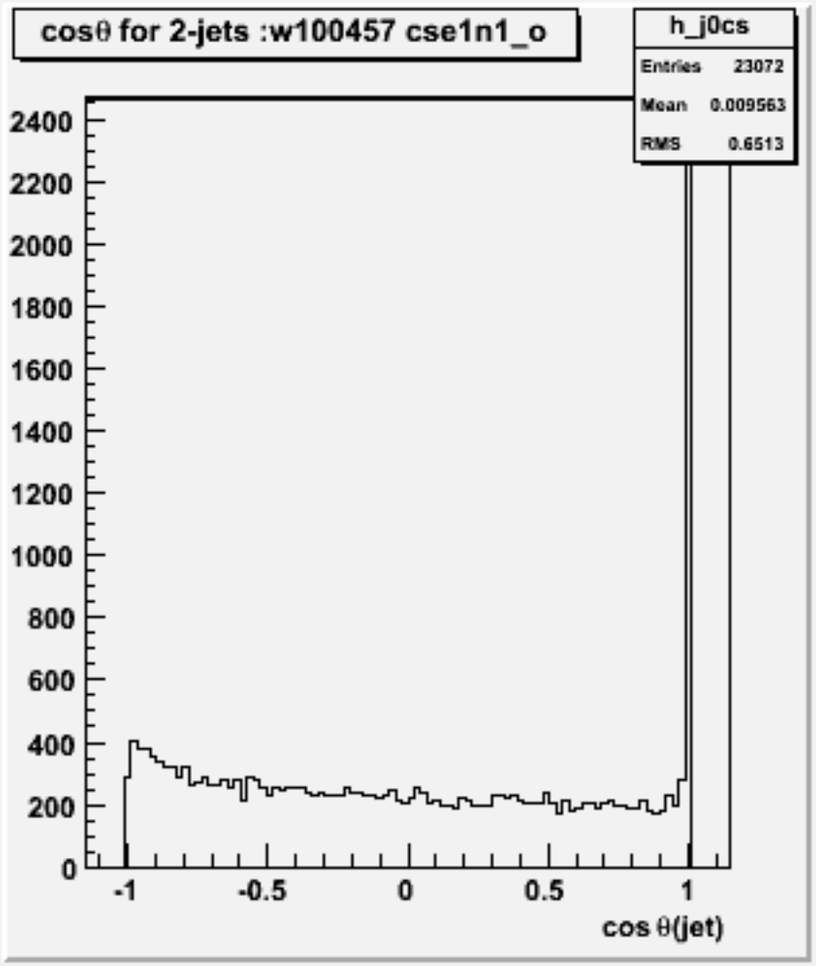
Thrust w100457 cse1n1_o
h_thrust
Entries 11536
Mean 0.857
RMS 0.08674
Thrust

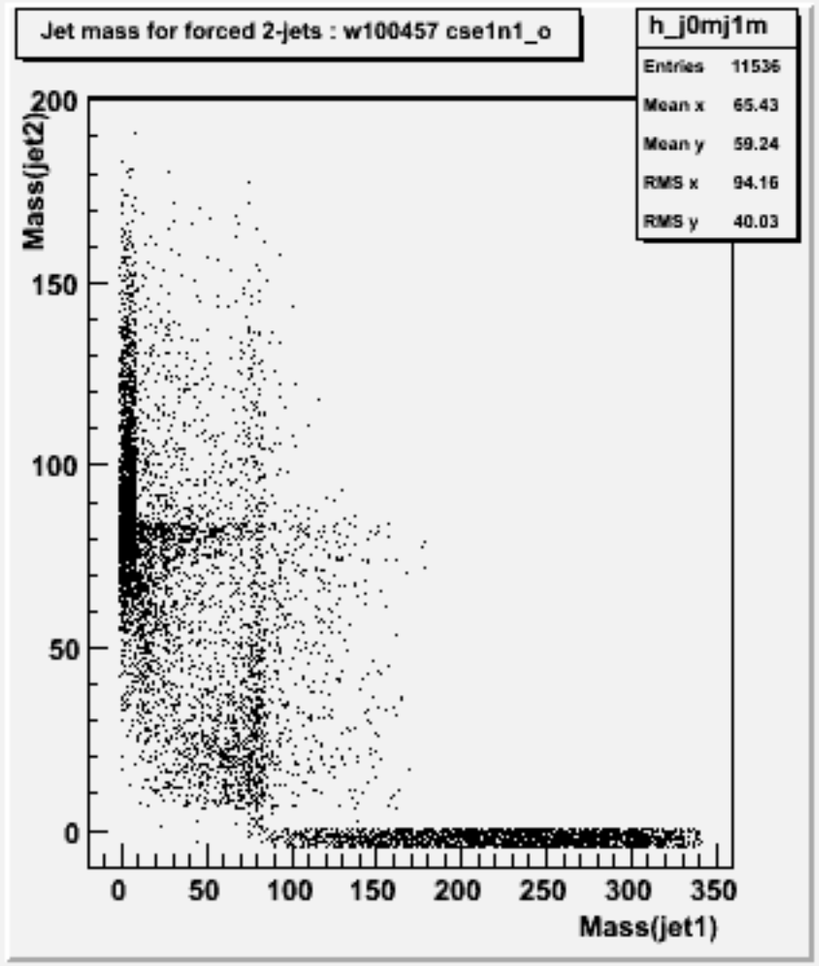

cosΘ(thrust) w100457 cse1n1_o
h_csth
Entries 11536
Mean 0.1002
RMS 0.5902
Thrust

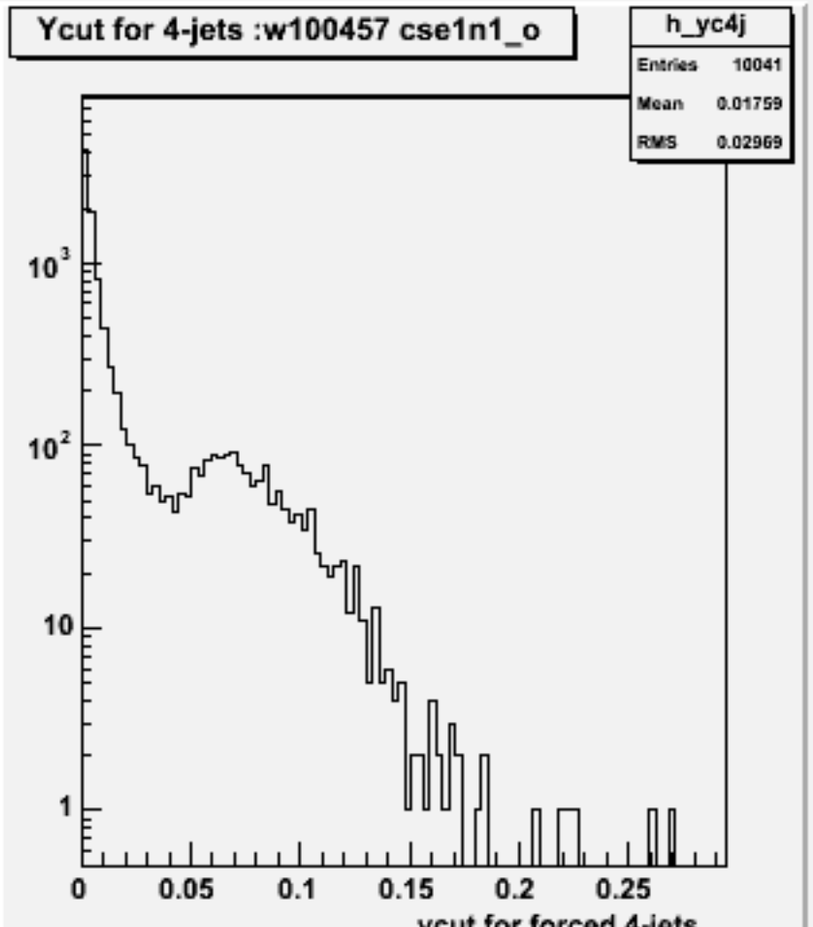

No. jets (ycut=0.001) : w100457 cse1n1_o
h_njets
Entries 11536
Mean 4.588
RMS 1.006
No. of jets

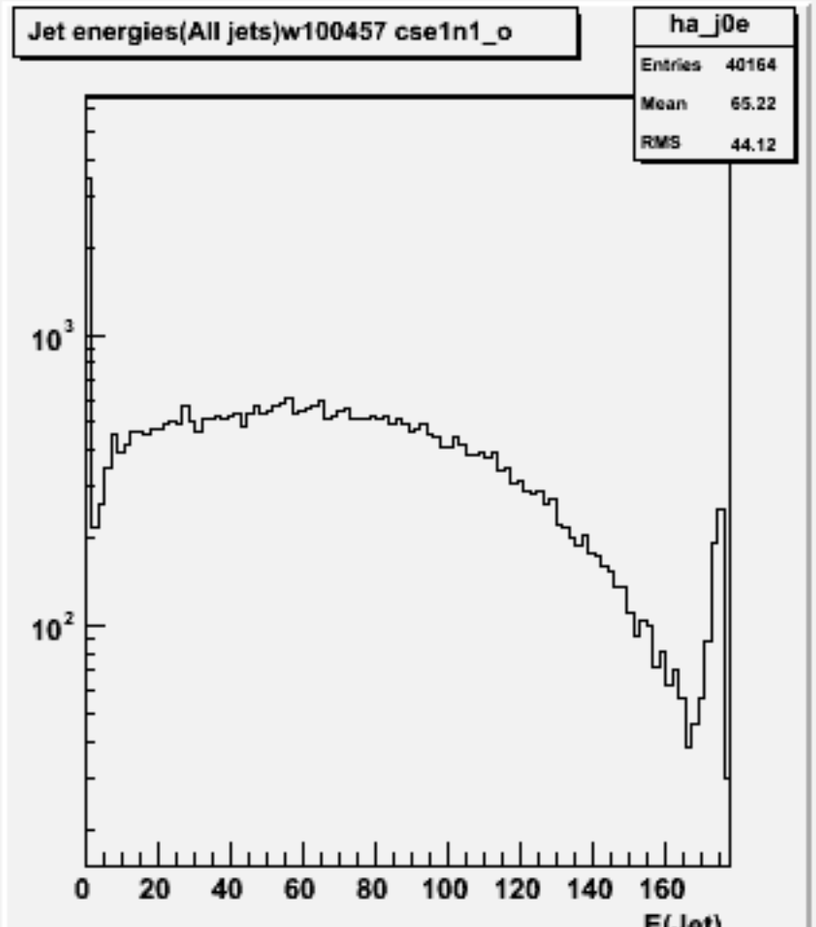

Ycut for 2-jets :w100457 cse1n1_o
h_yc2j
Entries 11536
Mean 0.1648
RMS 0.2274
ycut for forced 2-jets

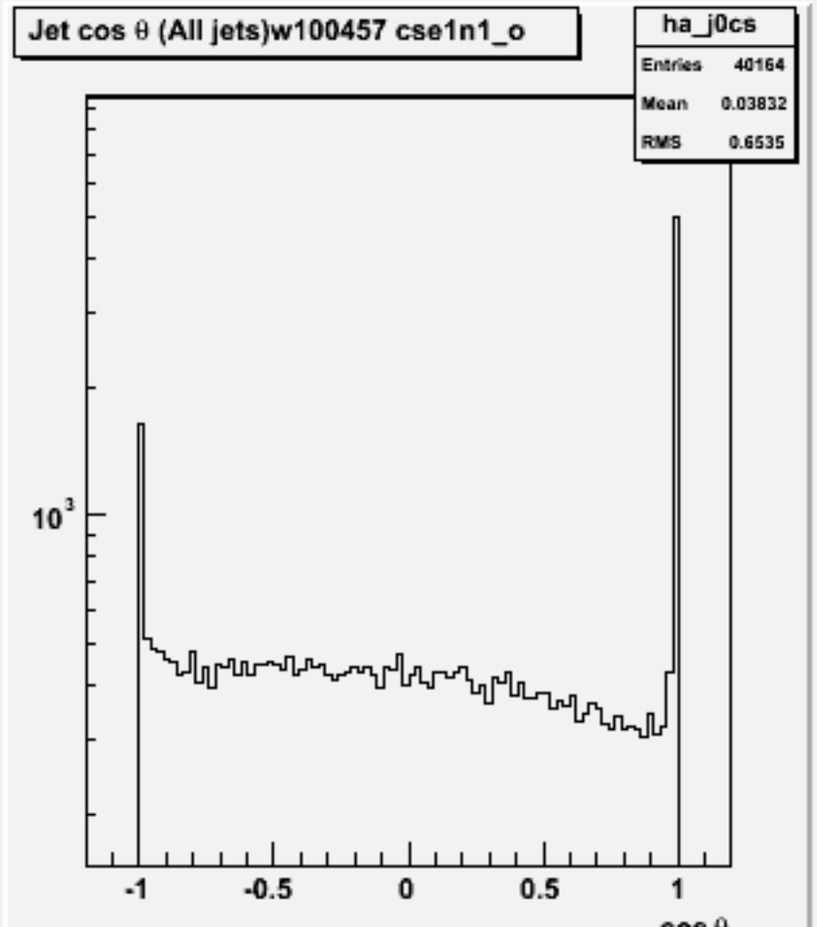

energy for 2-jets :w100457 cse1n1_o
h_j0e
Entries 23072
Mean 120.9
RMS 58.75
Jet energy (GeV)

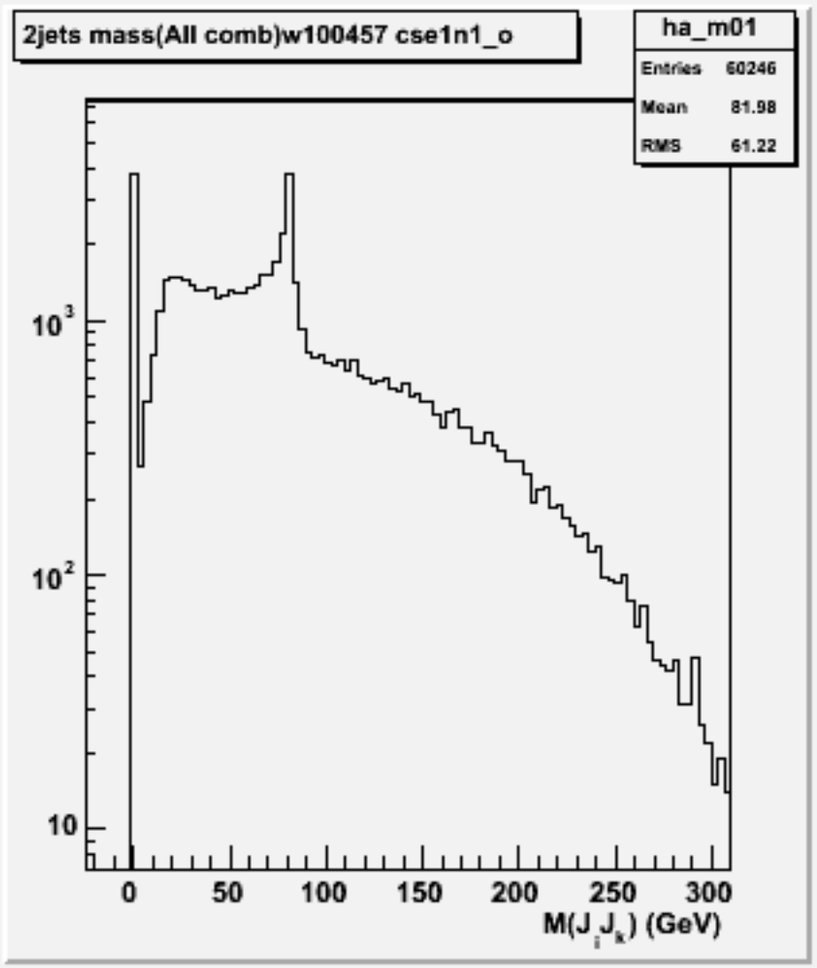

cosθ for 2-jets :w100457 cse1n1_o
h_j0cs
Entries 23072
Mean 0.009563
RMS 0.6513
cos θ(jet)

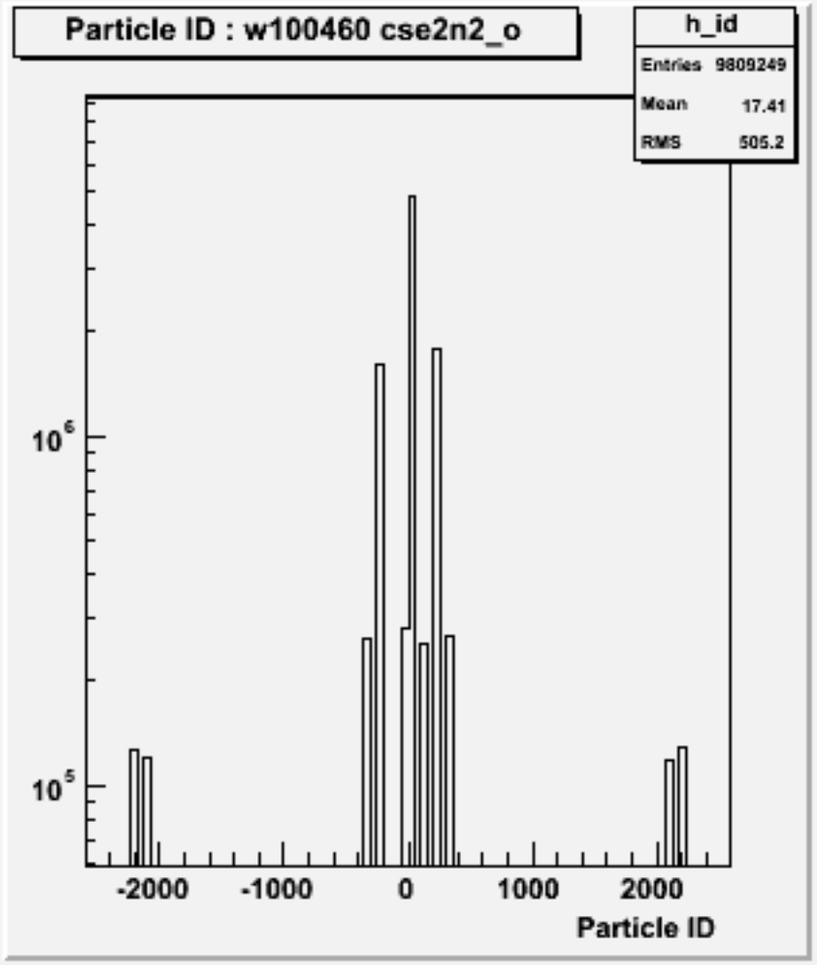

Jet mass for forced 2-jets : w100457 cse1n1_o
h_j0mj1m
Entries 11536
Mean x 65.43
Mean y 59.24
RMS x 94.16
RMS y 40.03
Mass(jet2)
Mass(jet1)

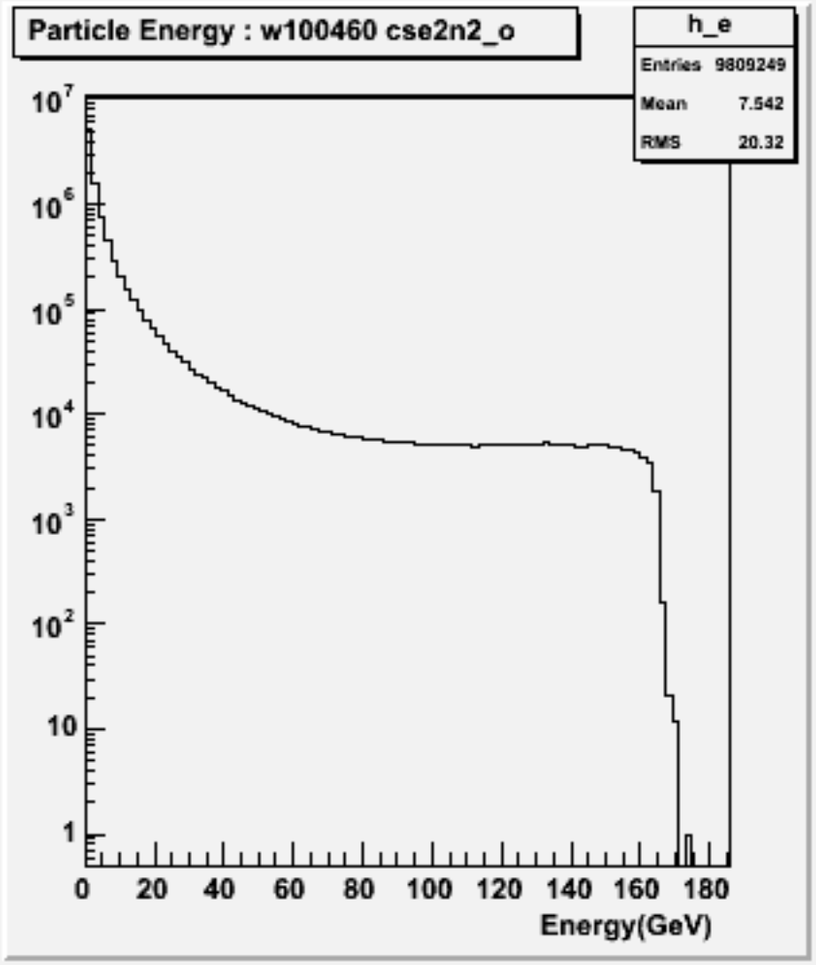

Ycut for 4-jets :w100457 cse1n1_o
h_yc4j
Entries 10041
Mean 0.01759
RMS 0.02969
10^3
10^2
10
1
0 0.05 0.1 0.15 0.2 0.25
ycut for forced 4-jets

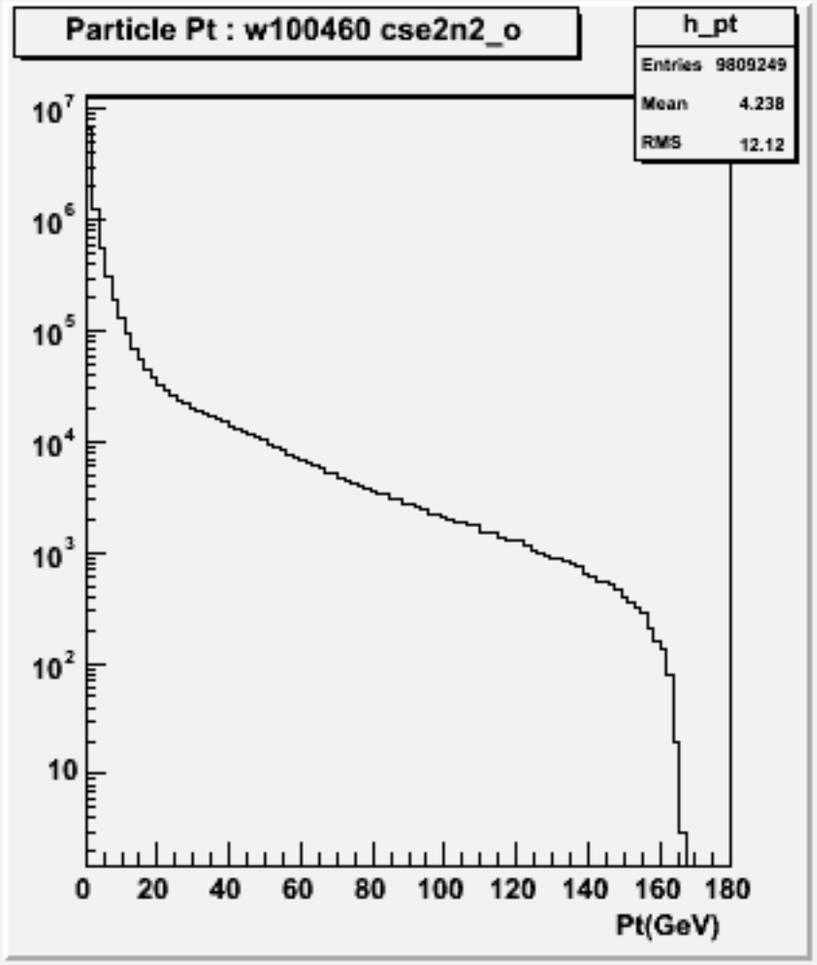

Jet energies(All jets)w100457 cse1n1_o
ha_j0e
Entries 40164
Mean 65.22
RMS 44.12
10^3
10^2
0 20 40 60 80 100 120 140 160
E(Jet)

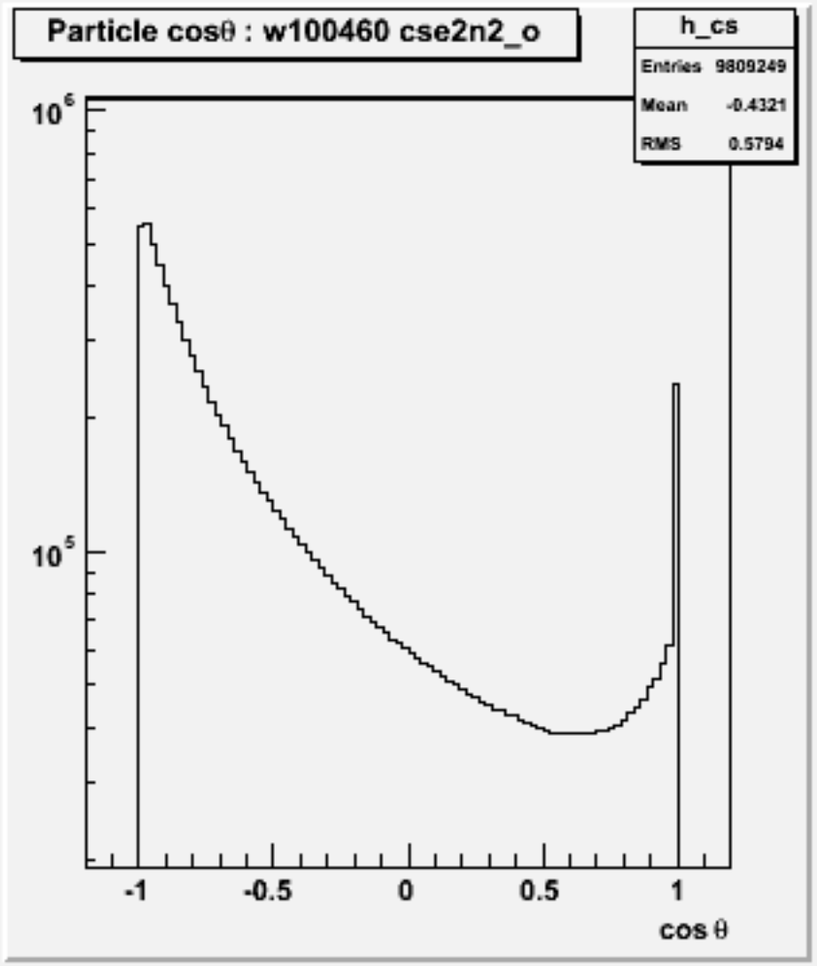

Jet cos θ (All jets)w100457 cse1n1_o
ha_j0cs
Entries 40164
Mean 0.03832
RMS 0.6535
10^3
-1 -0.5 0 0.5 1
cos θ

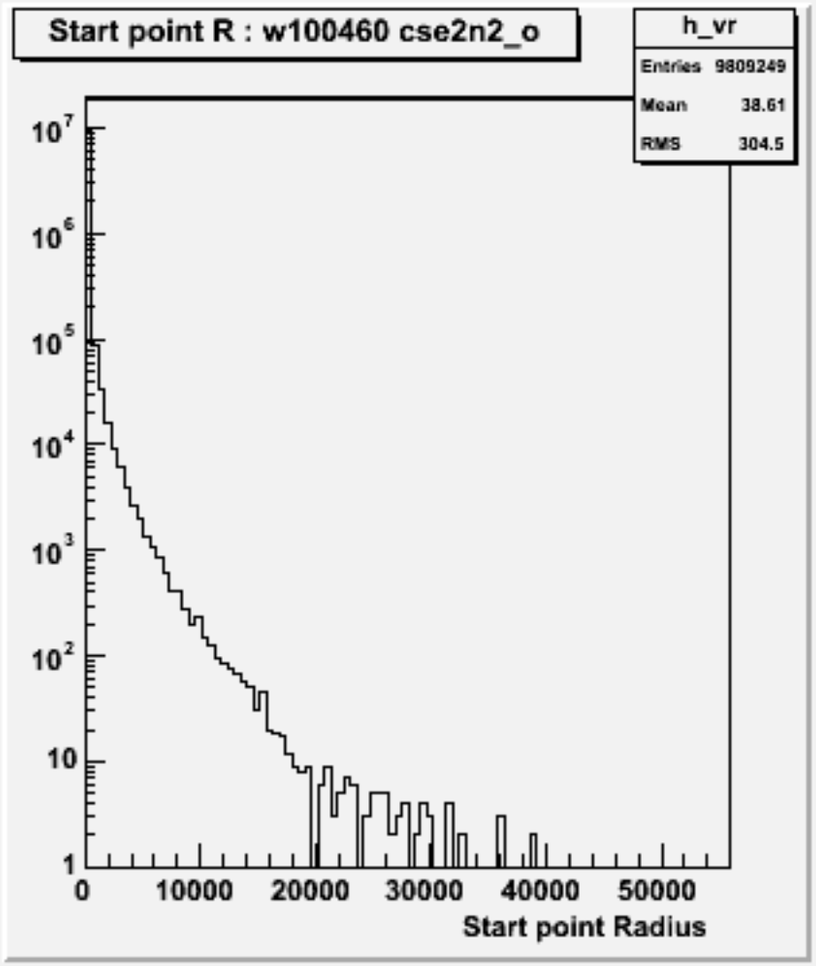

2jets mass(All comb)w100457 cse1n1_o
ha_m01
Entries 60246
Mean 81.98
RMS 61.22
10^3
10^2
10
0 50 100 150 200 250 300
M(J_iJ_k) (GeV)

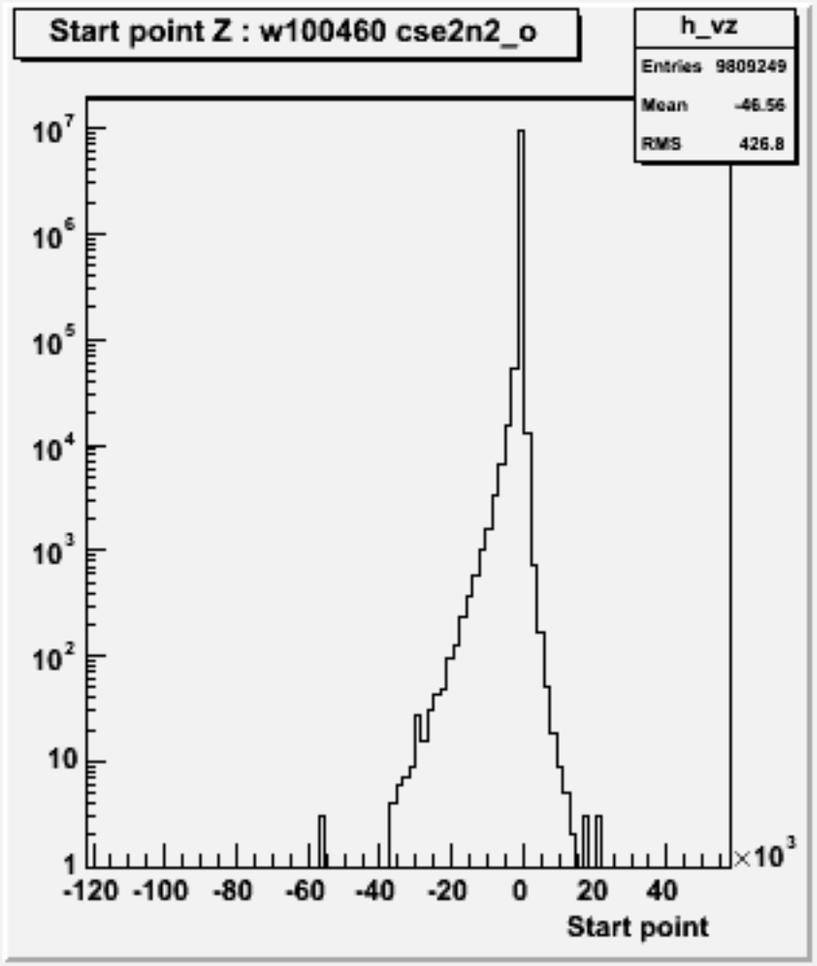

Particle ID : w100460 cse2n2_o
h_id
Entries 9809249
Mean 17.41
RMS 505.2
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

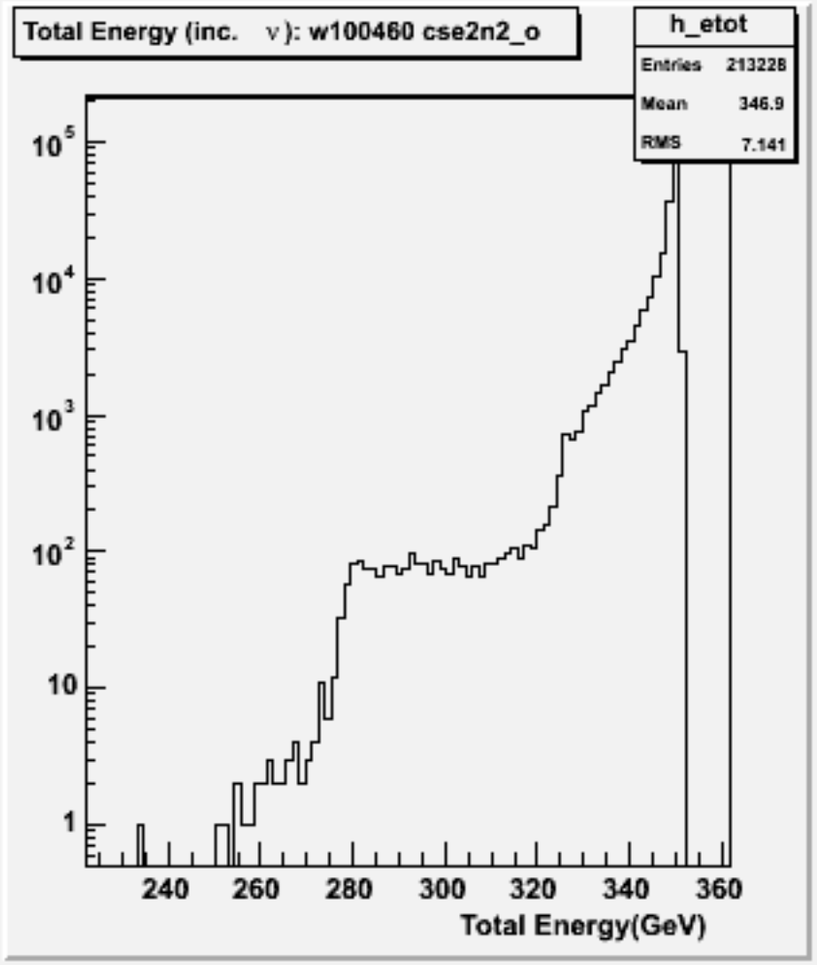

Particle Energy : w100460 cse2n2_o
h_e
Entries 9809249
Mean 7.542
RMS 20.32
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

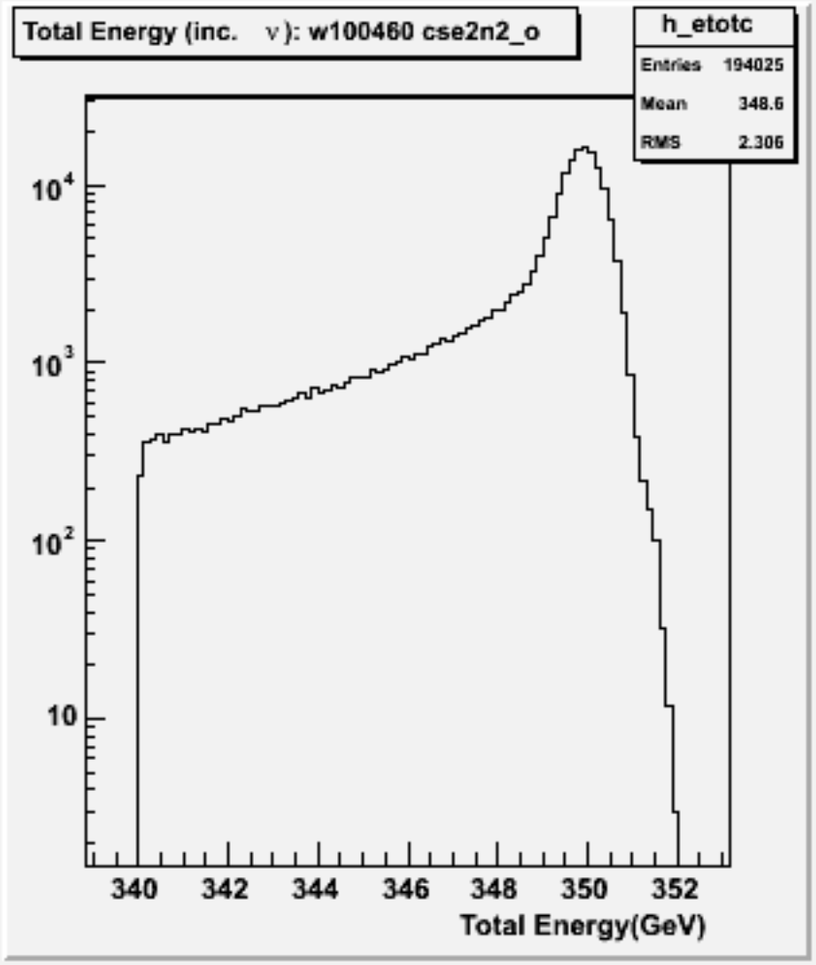

Particle Pt : w100460 cse2n2_o
h_pt
Entries 9809249
Mean 4.238
RMS 12.12
10^7
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

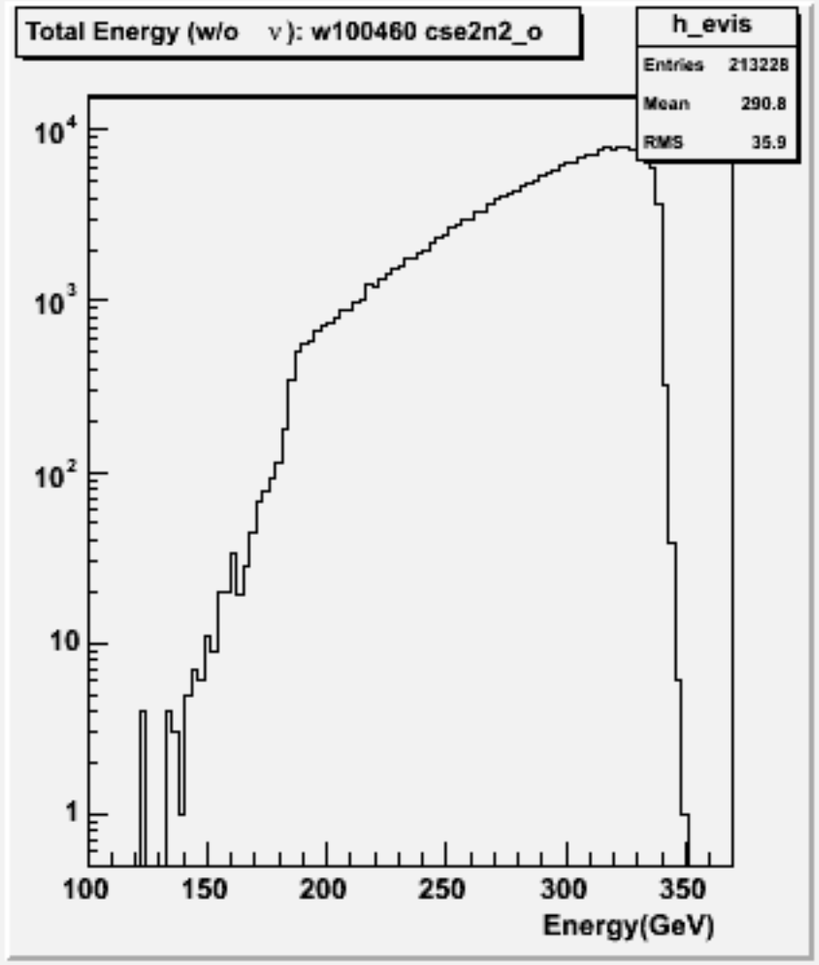

Particle cosθ : w100460 cse2n2_o
h_cs
Entries 9809249
Mean -0.4321
RMS 0.5794
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

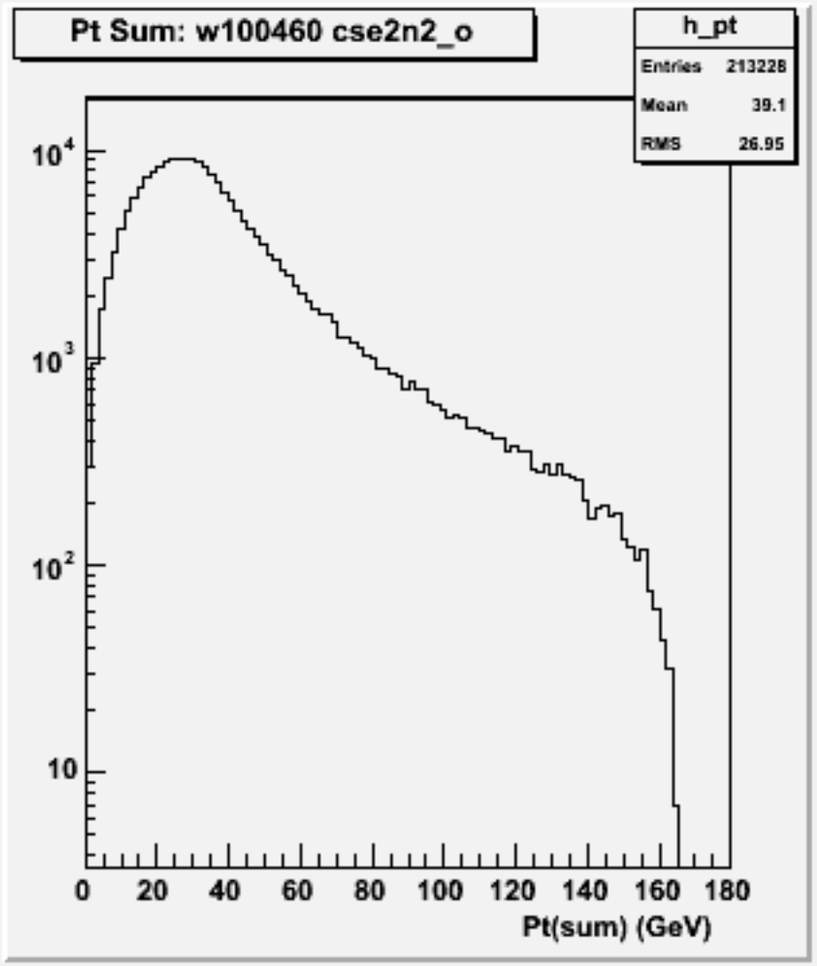

Start point R : w100460 cse2n2_o
h_vr
Entries 9809249
Mean 38.61
RMS 304.5
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
Start point Radius

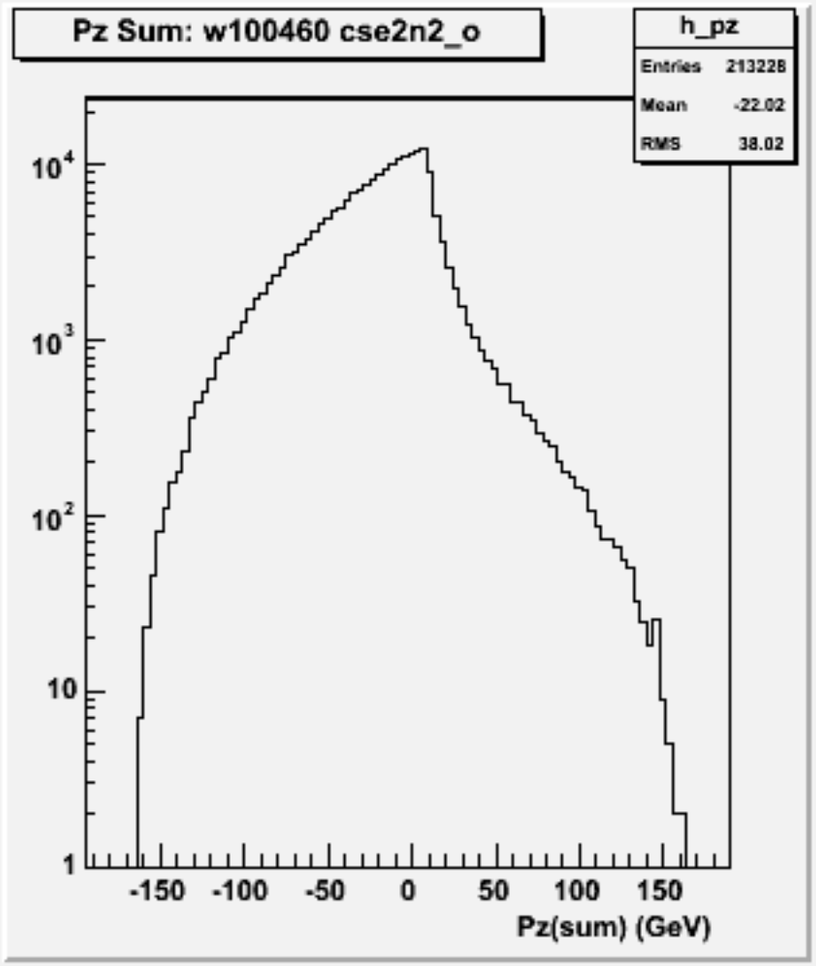

Start point Z : w100460 cse2n2_o
h_vz
Entries 9809249
Mean -46.56
RMS 426.8
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-120
-100
-80
-60
-40
-20
0
20
40
$\times 10^3$
Start point

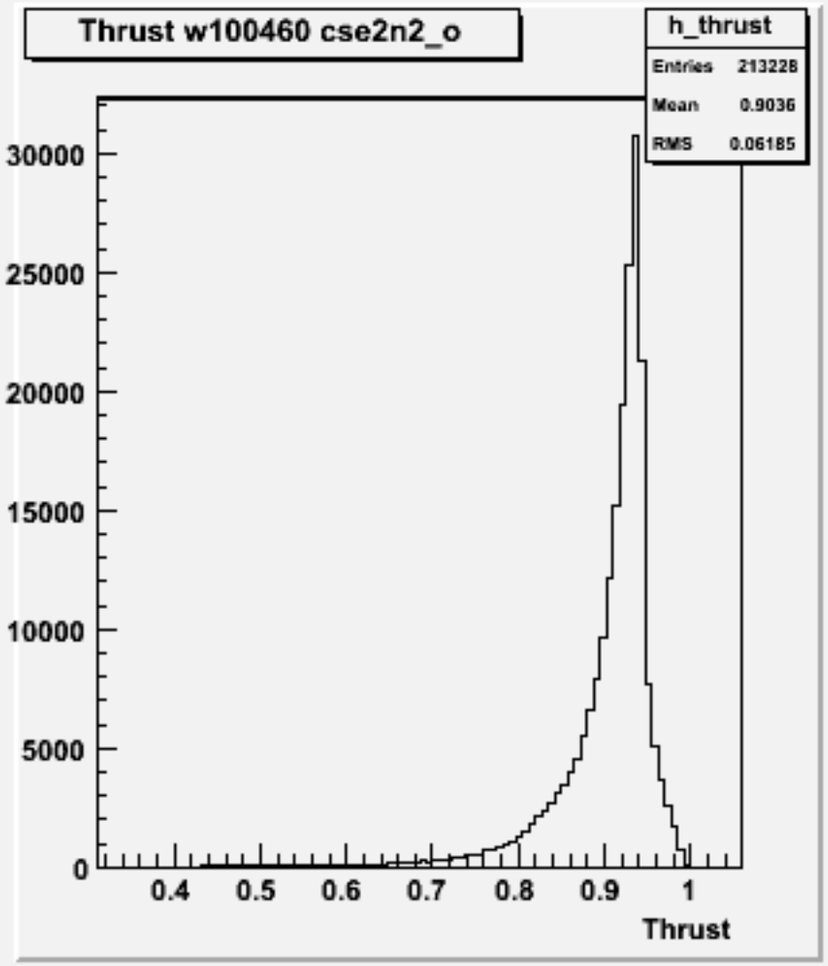

Total Energy (inc. ν): w100460 cse2n2_o
h_etot
Entries 213228
Mean 346.9
RMS 7.141
Total Energy(GeV)

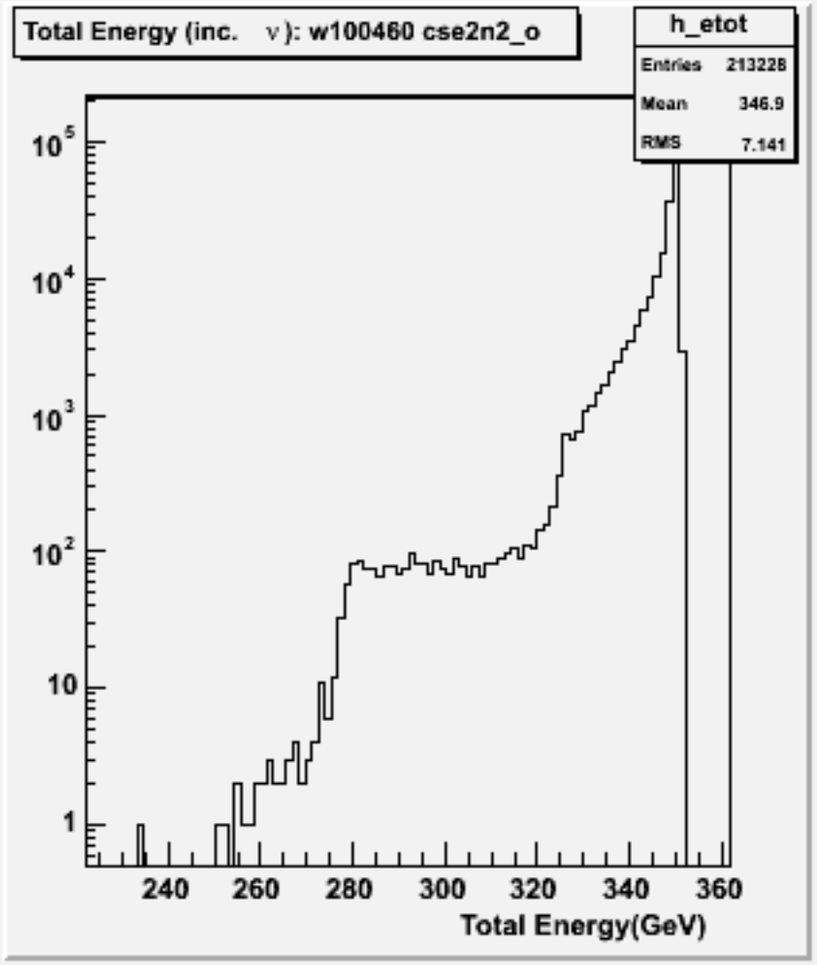

Total Energy (inc. ν): w100460 cse2n2_o
h_etotc
Entries 194025
Mean 348.6
RMS 2.306
Total Energy(GeV)

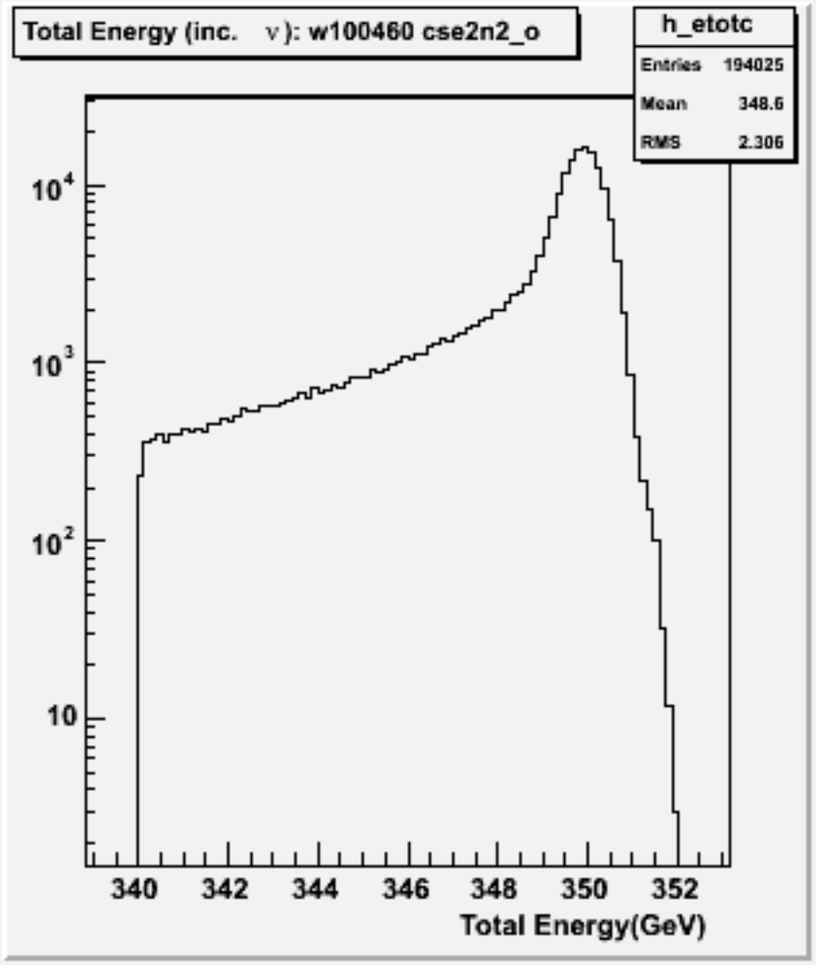

Total Energy (w/o ν): w100460 cse2n2_o
h_evis
Entries 213228
Mean 290.8
RMS 35.9
Energy(GeV)

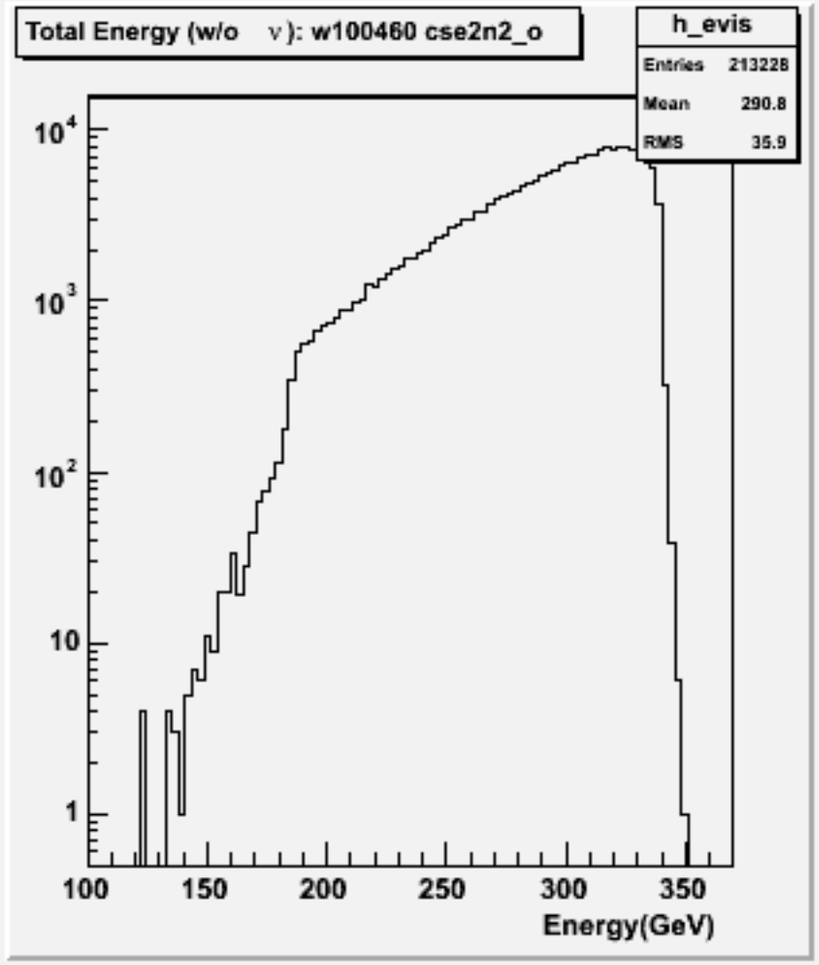

Pt Sum: w100460 cse2n2_o
h_pt
Entries 213228
Mean 39.1
RMS 26.95
Pt(sum) (GeV)

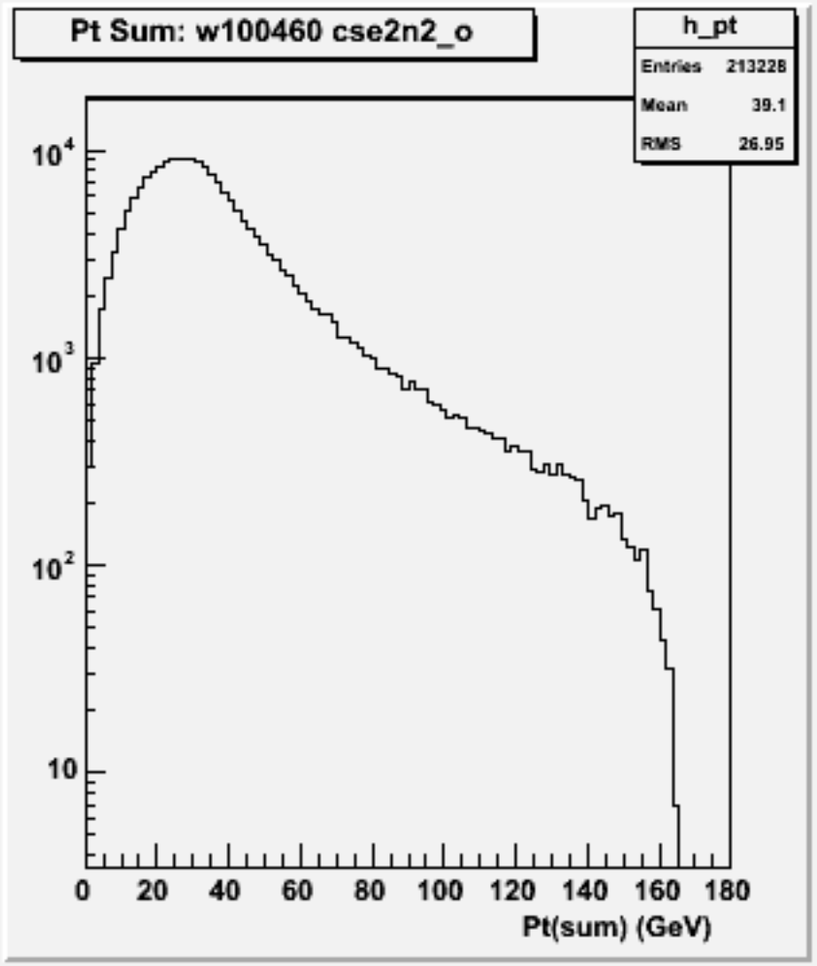

Pz Sum: w100460 cse2n2_o
h_pz
Entries 213228
Mean -22.02
RMS 38.02
Pz(sum) (GeV)

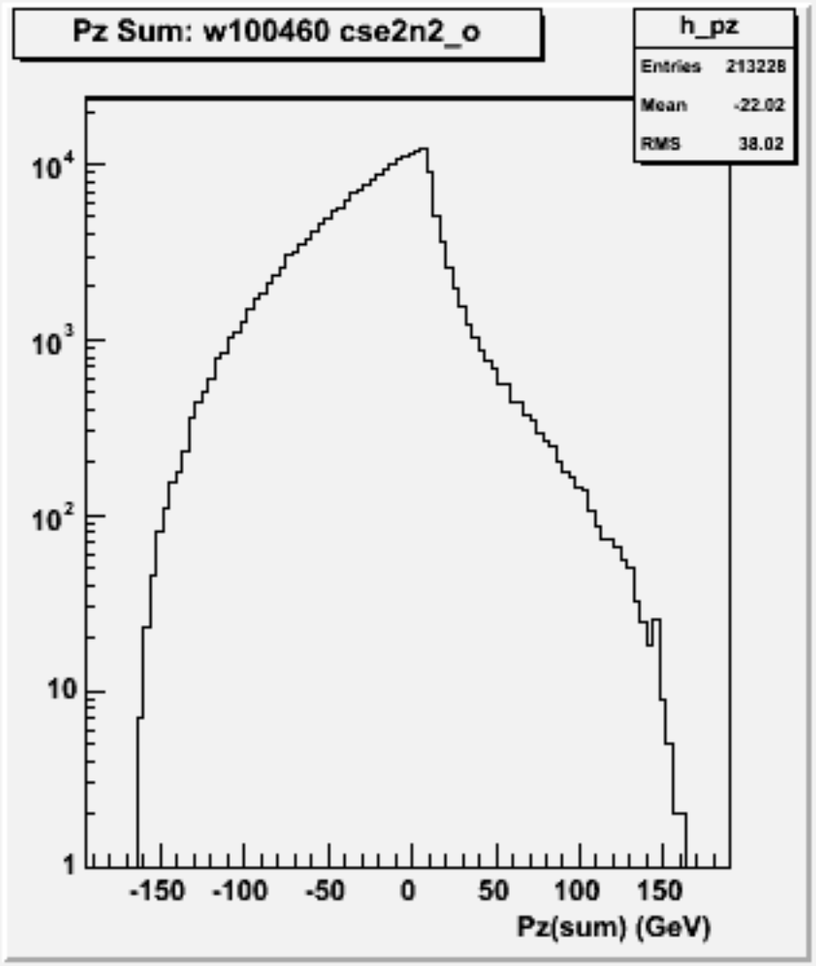

Thrust w100460 cse2n2_o
h_thrust
Entries 213228
Mean 0.9036
RMS 0.06185
Thrust

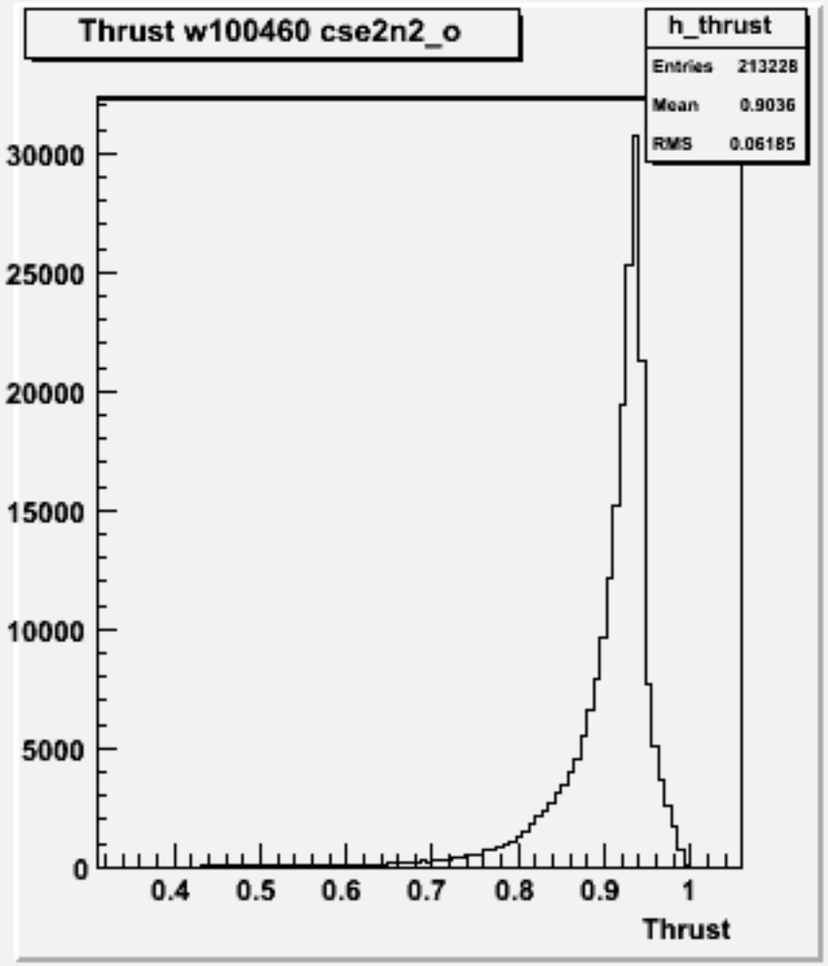

Total Energy (inc. ν): w100460 cse2n2_o
h_etot
Entries 213228
Mean 346.9
RMS 7.141
Total Energy(GeV)

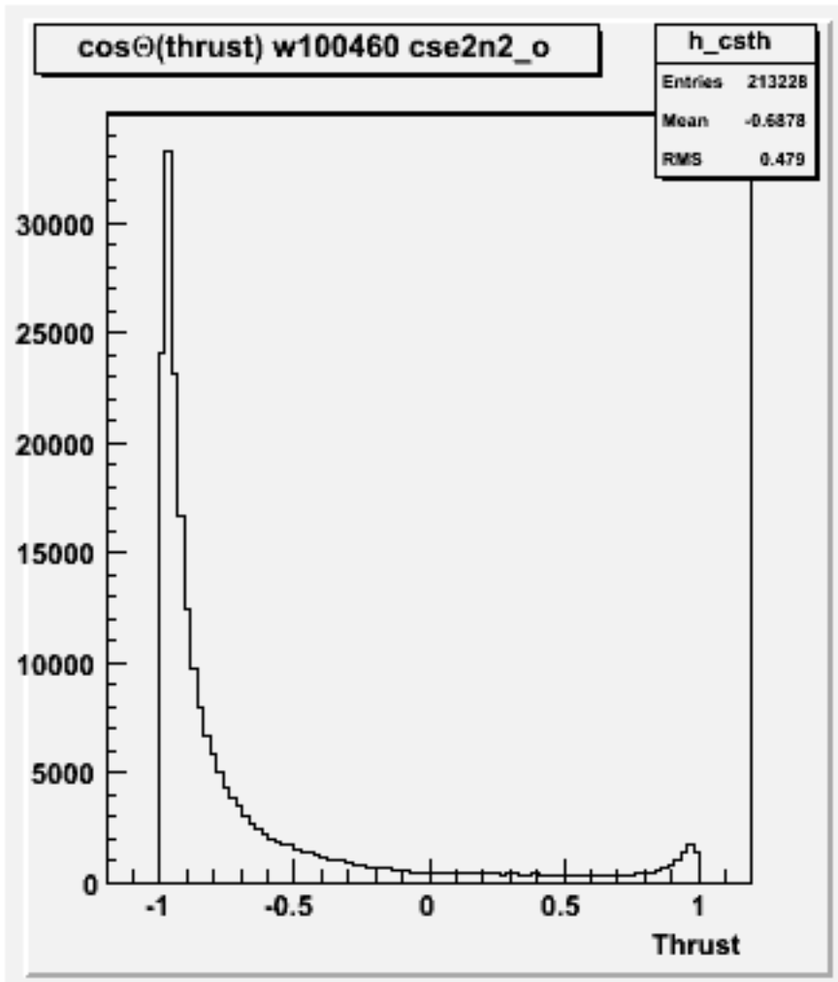

Total Energy (inc. ν): w100460 cse2n2_o
h_etotc
Entries 194025
Mean 348.6
RMS 2.306
Total Energy(GeV)

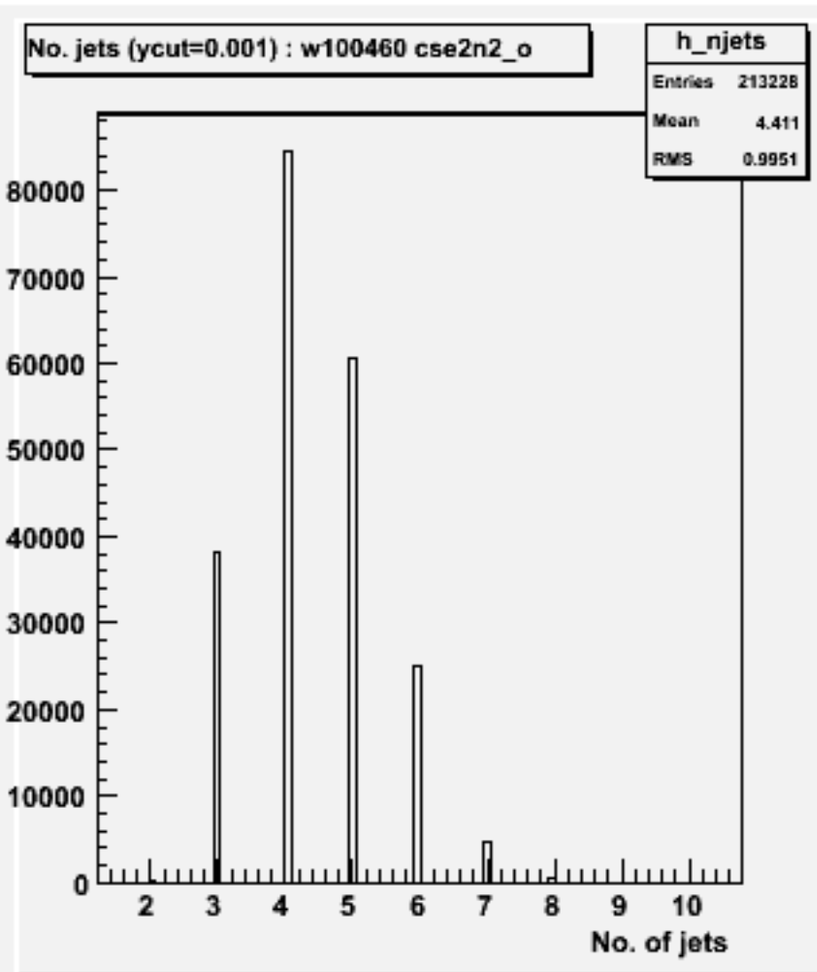

Total Energy (w/o ν): w100460 cse2n2_o
h_evis
Entries 213228
Mean 290.8
RMS 35.9
Energy(GeV)

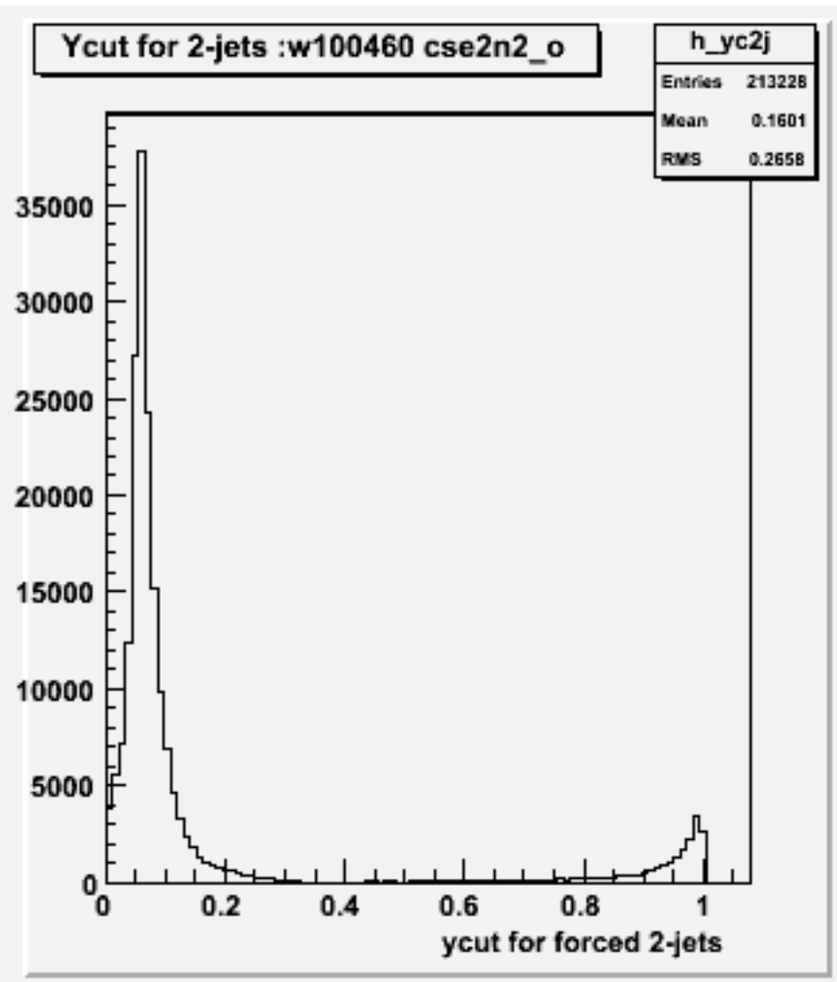

Pt Sum: w100460 cse2n2_o
h_pt
Entries 213228
Mean 39.1
RMS 26.95
Pt(sum) (GeV)

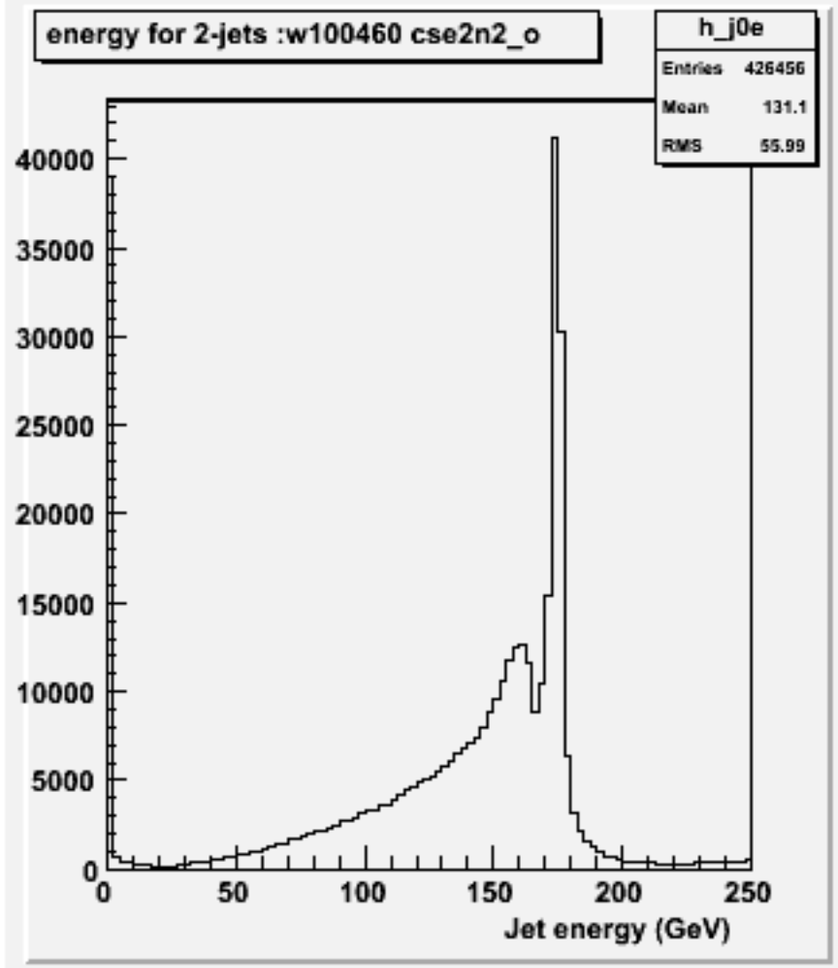

Pz Sum: w100460 cse2n2_o
h_pz
Entries 213228
Mean -22.02
RMS 38.02
Pz(sum) (GeV)

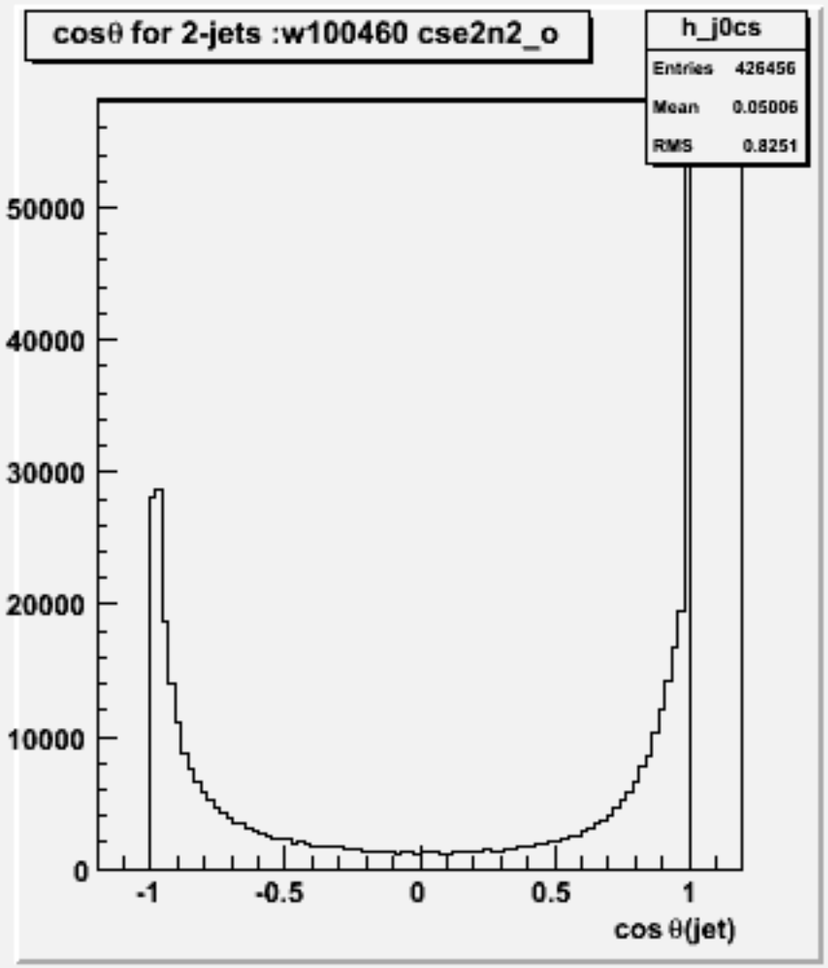

Thrust w100460 cse2n2_o
h_thrust
Entries 213228
Mean 0.9036
RMS 0.06185
Thrust

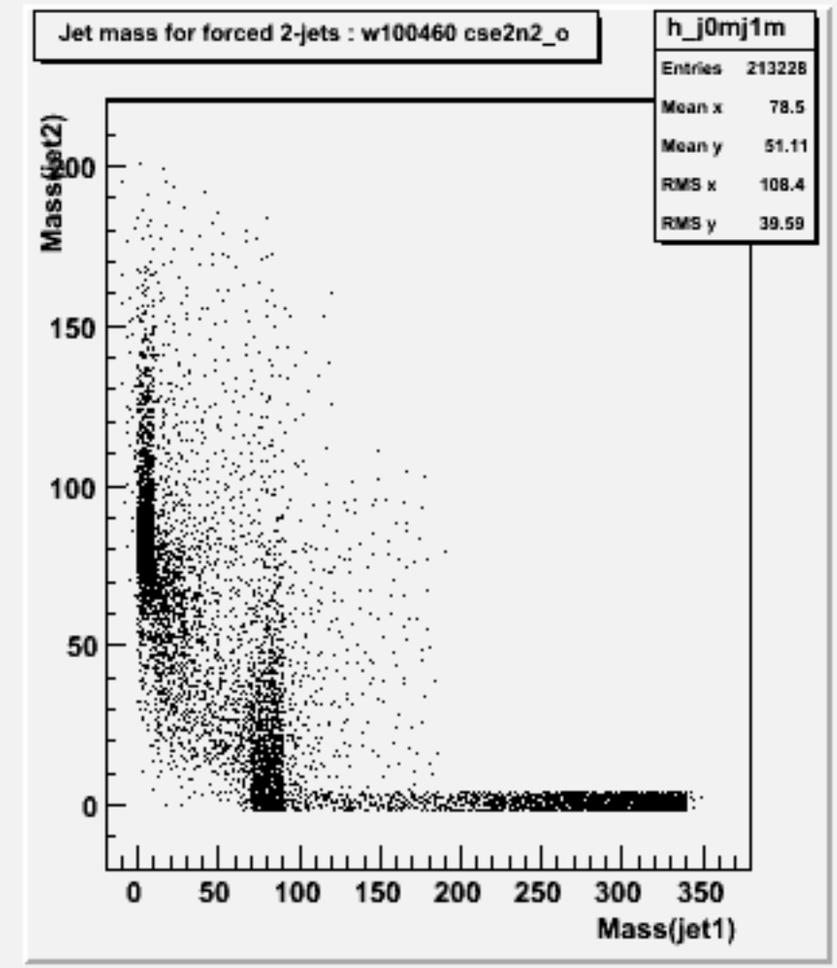

cosΘ(thrust) w100460 cse2n2_o
h_csth
Entries 213228
Mean -0.6878
RMS 0.479
30000
25000
20000
15000
10000
5000
0
-1
-0.5
0
0.5
1
Thrust

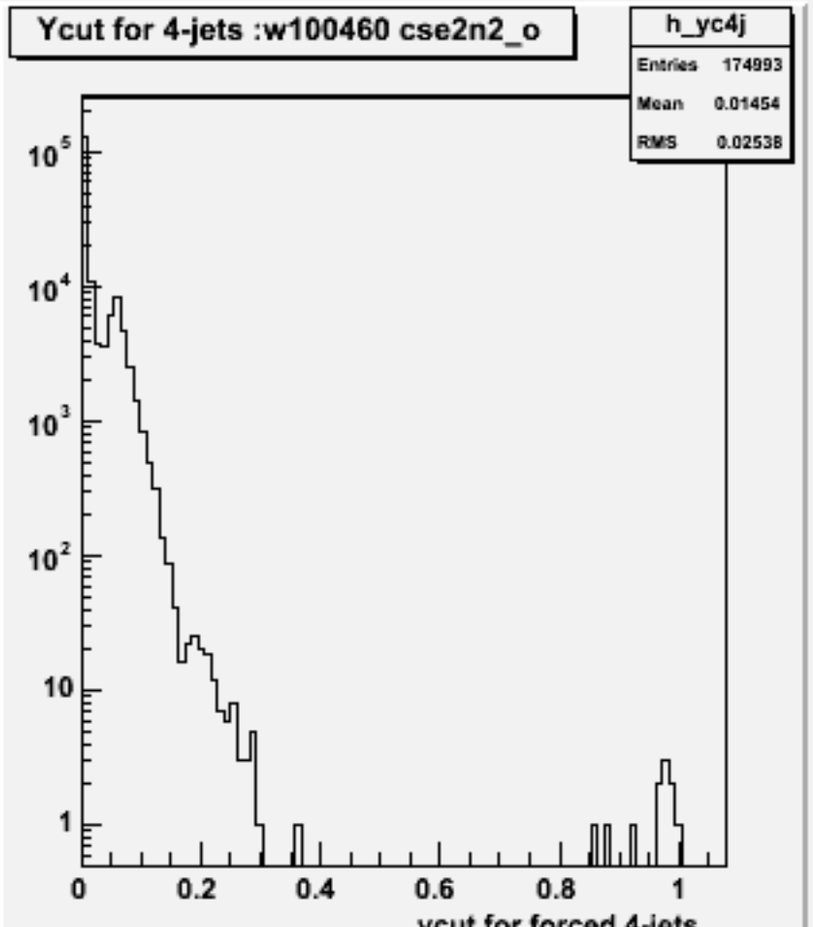

No. jets (ycut=0.001) : w100460 cse2n2_o
h_njets
Entries 213228
Mean 4.411
RMS 0.9951
80000
70000
60000
50000
40000
30000
20000
10000
0
2
3
4
5
6
7
8
9
10
No. of jets

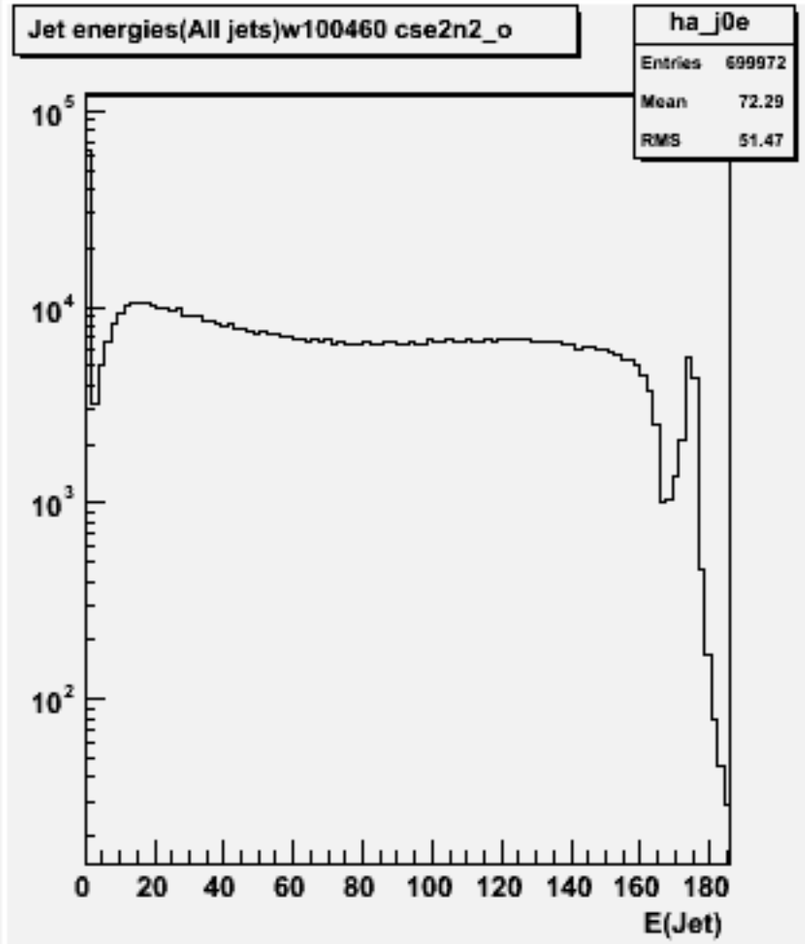

Ycut for 2-jets :w100460 cse2n2_o
h_yc2j
Entries 213228
Mean 0.1601
RMS 0.2658
35000
30000
25000
20000
15000
10000
5000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

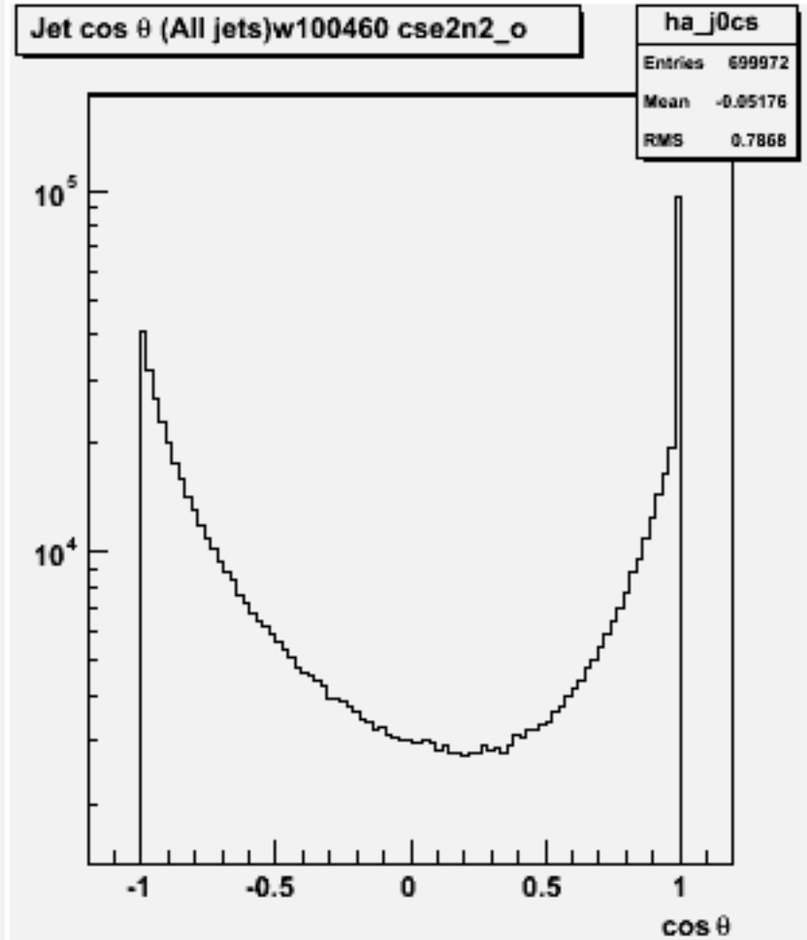

energy for 2-jets :w100460 cse2n2_o
h_j0e
Entries 426456
Mean 131.1
RMS 55.99
40000
35000
30000
25000
20000
15000
10000
5000
0
0
50
100
150
200
250
Jet energy (GeV)

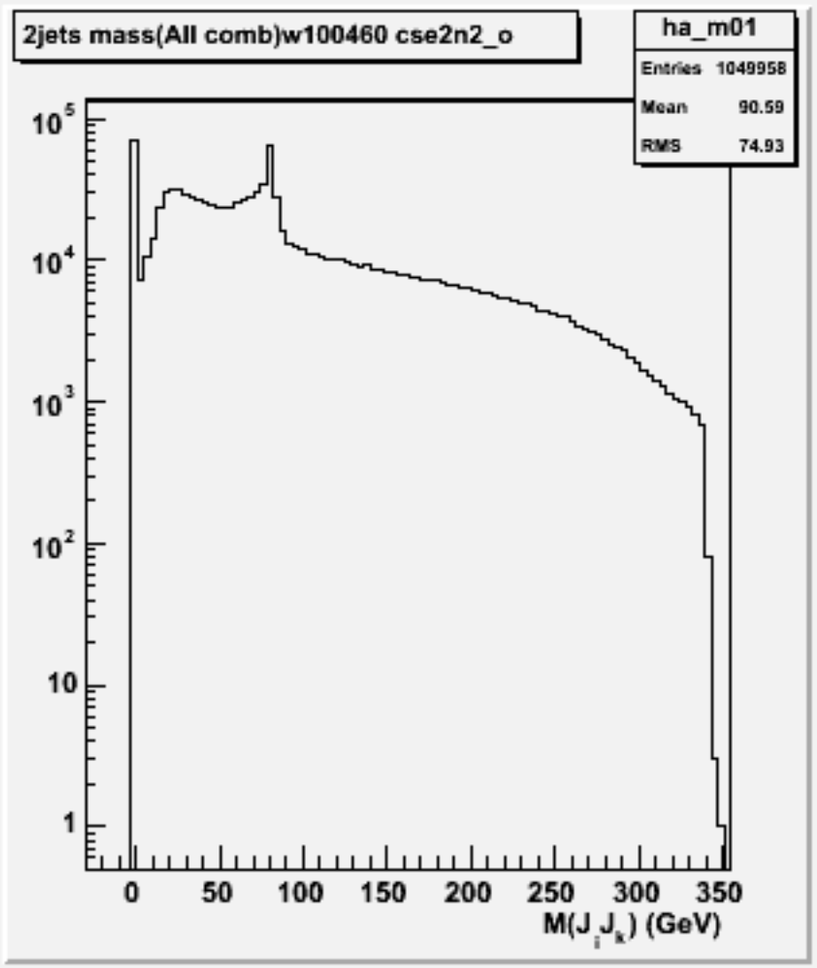

cosθ for 2-jets :w100460 cse2n2_o
h_j0cs
Entries 426456
Mean 0.05006
RMS 0.8251
50000
40000
30000
20000
10000
0
-1
-0.5
0
0.5
1
cos θ(jet)

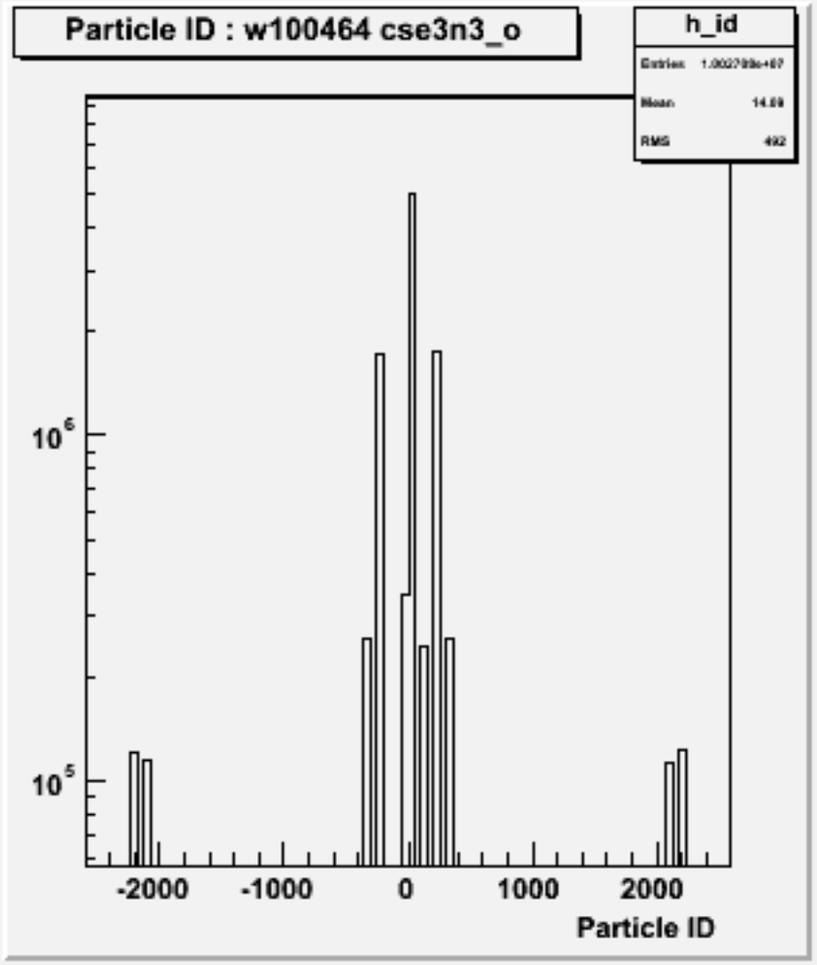

Jet mass for forced 2-jets : w100460 cse2n2_o
h_j0mj1m
Entries 213228
Mean x 78.5
Mean y 51.11
RMS x 108.4
RMS y 39.59
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

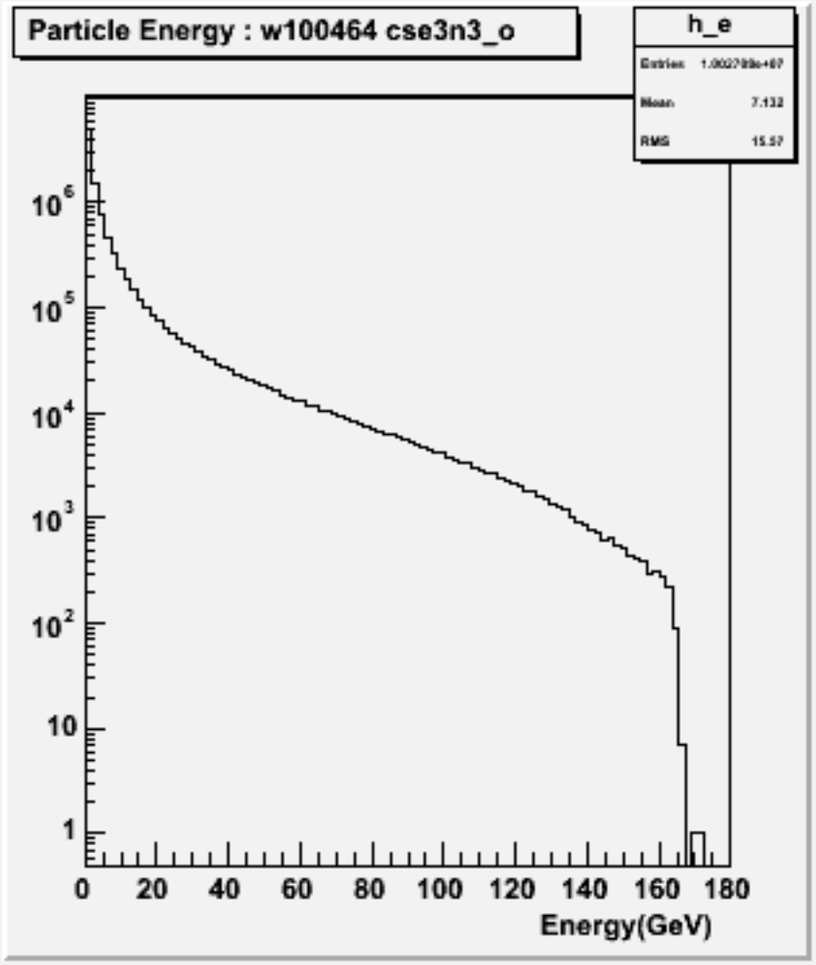

Ycut for 4-jets :w100460 cse2n2_o
h_yc4j
Entries 174993
Mean 0.01454
RMS 0.02538
ycut for forced 4-jets

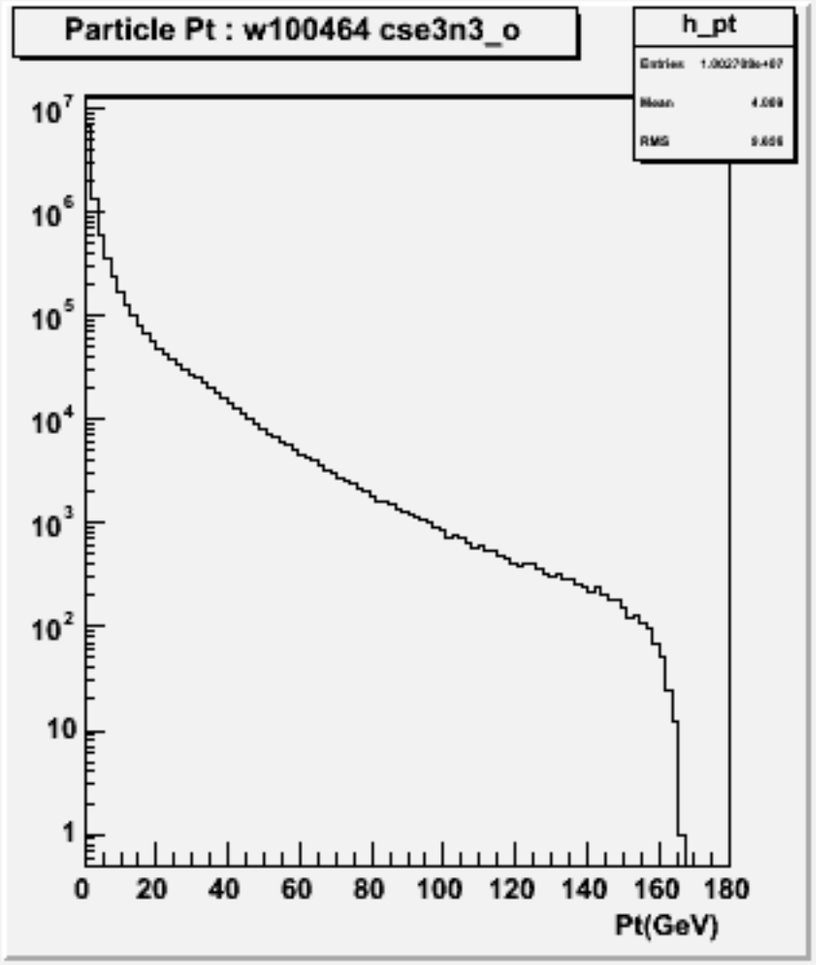

Jet energies(All jets)w100460 cse2n2_o
ha_j0e
Entries 699972
Mean 72.29
RMS 51.47
E(Jet)

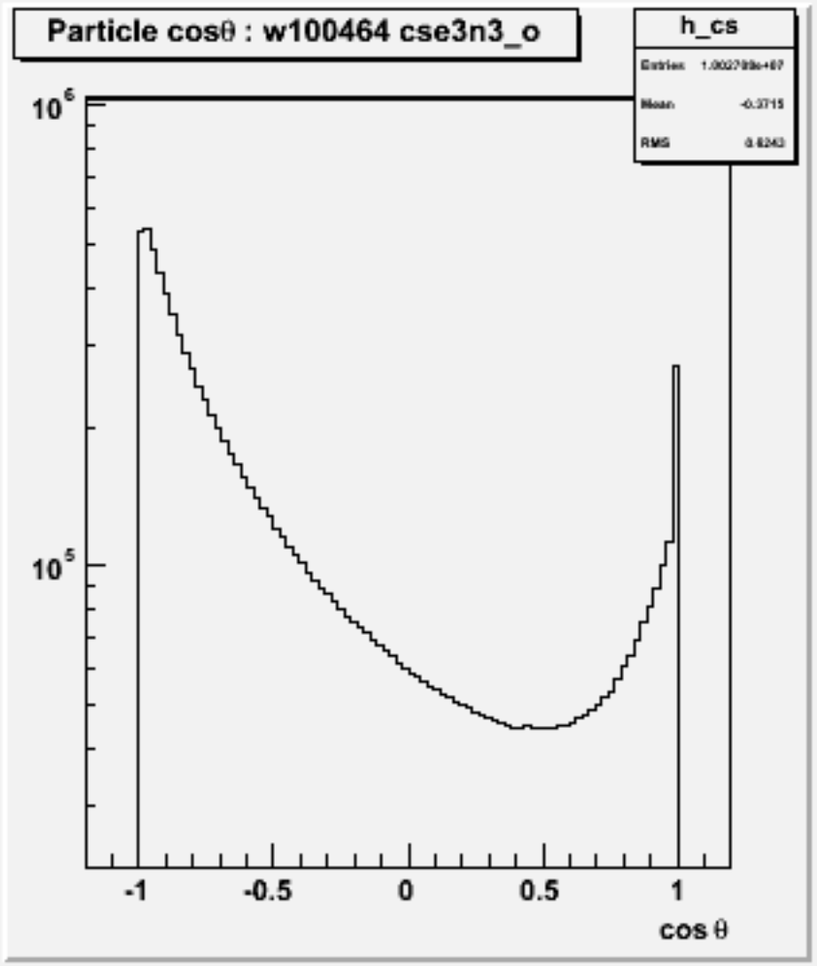

Jet cos θ (All jets)w100460 cse2n2_o
ha_j0cs
Entries 699972
Mean -0.05176
RMS 0.7868
cos θ

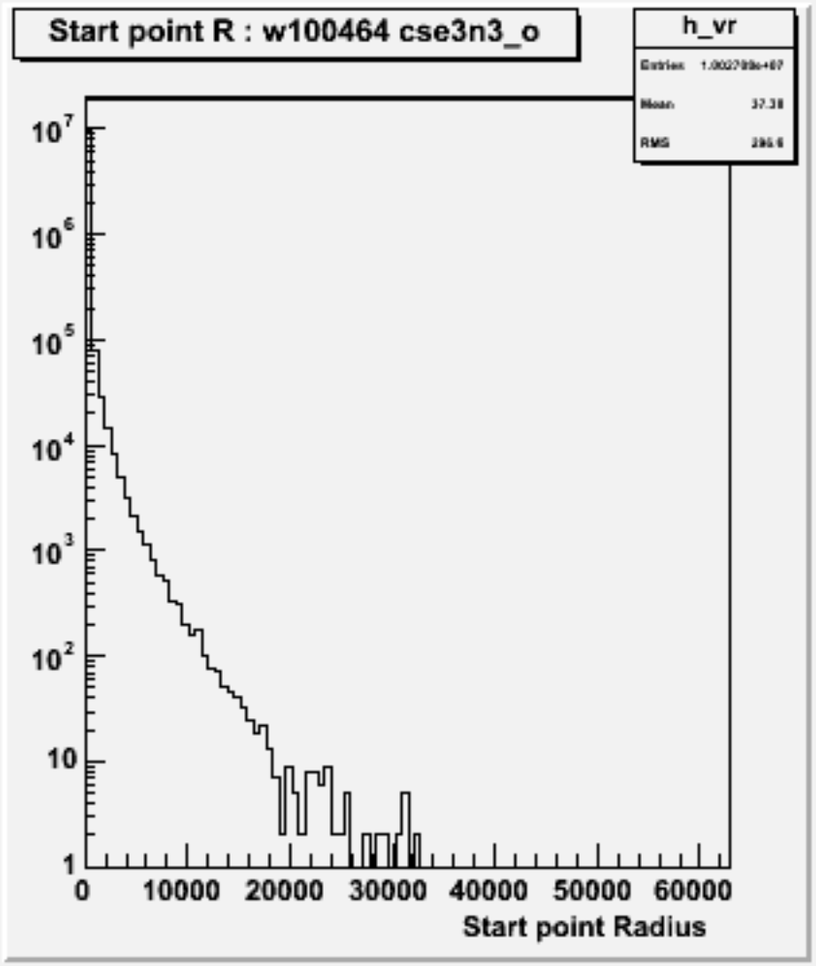

2jets mass(All comb)w100460 cse2n2_o
ha_m01
Entries 1049958
Mean 90.59
RMS 74.93
M(J_iJ_k) (GeV)

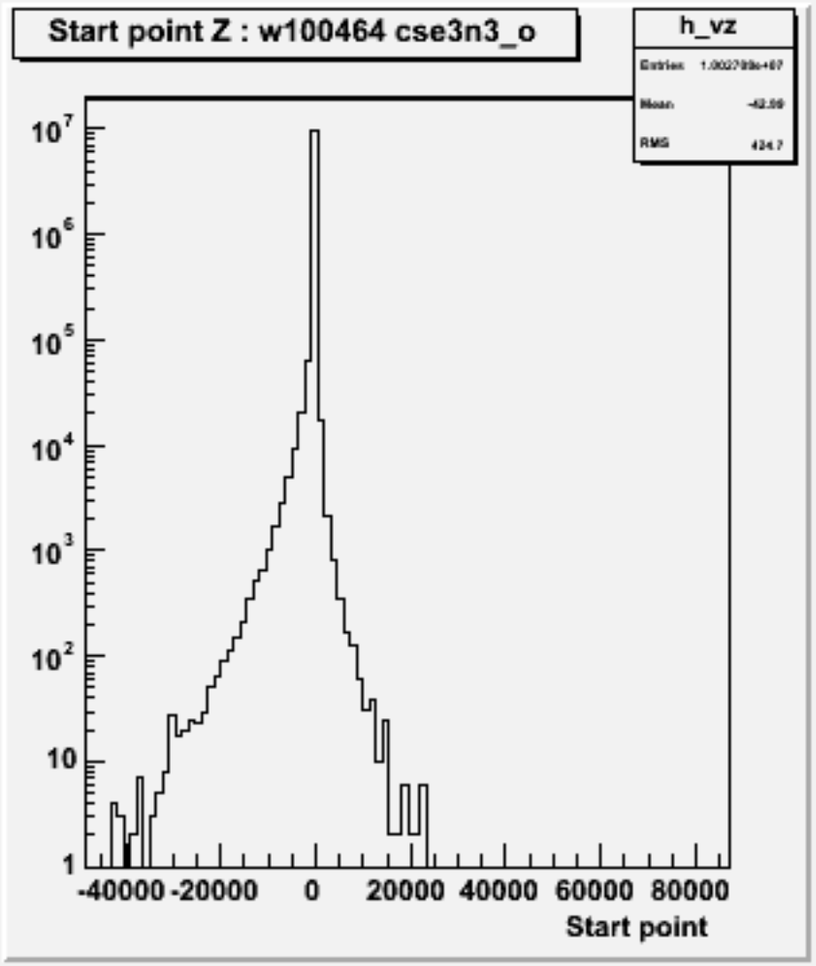

Particle ID : w100464 cse3n3_o
h_id
Particle ID

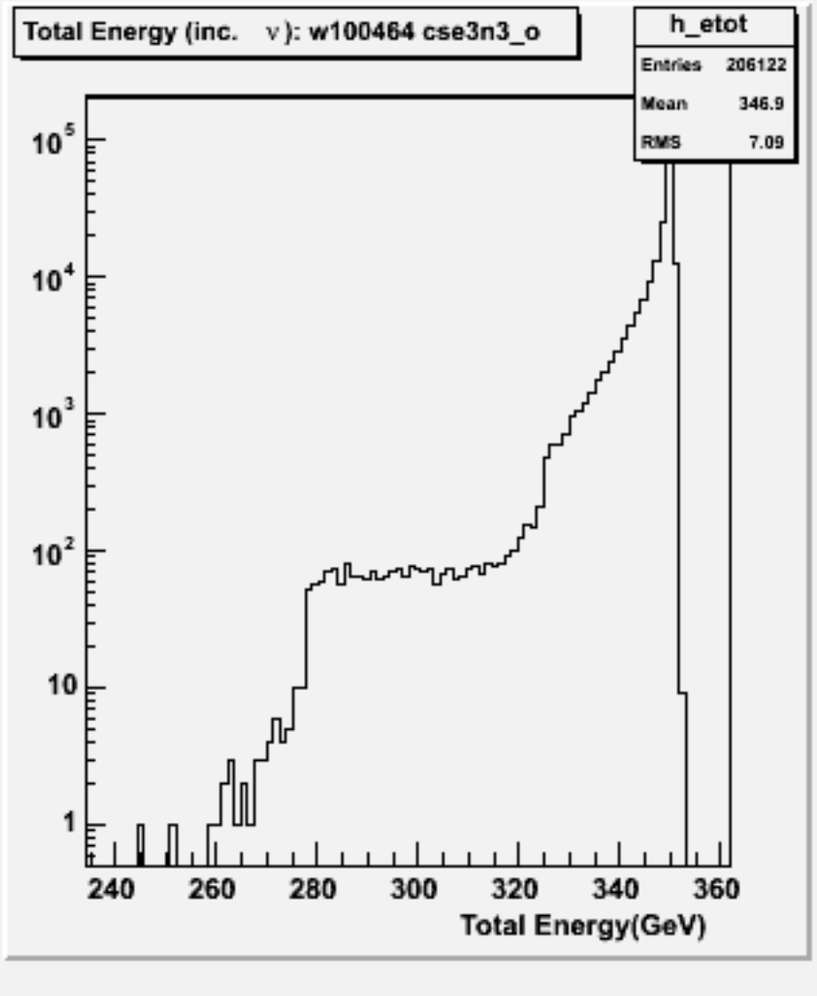

Particle Energy : w100464 cse3n3_o
h_e
Energy(GeV)

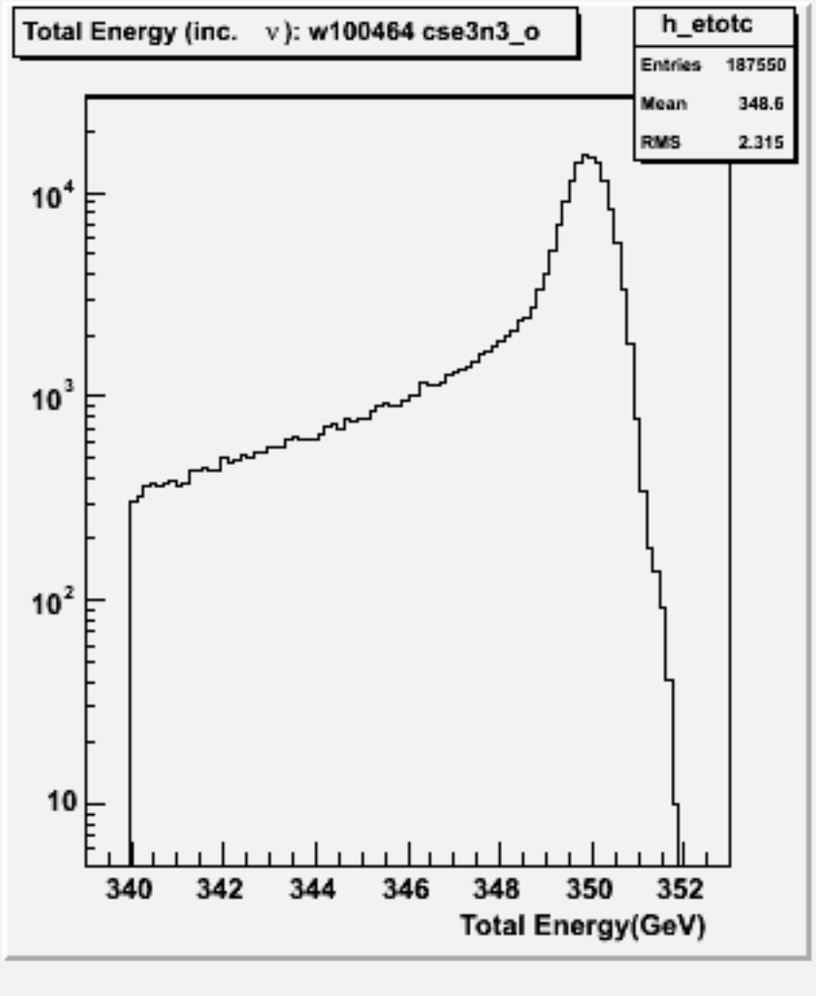

Particle Pt : w100464 cse3n3_o
h_pt
Pt(GeV)

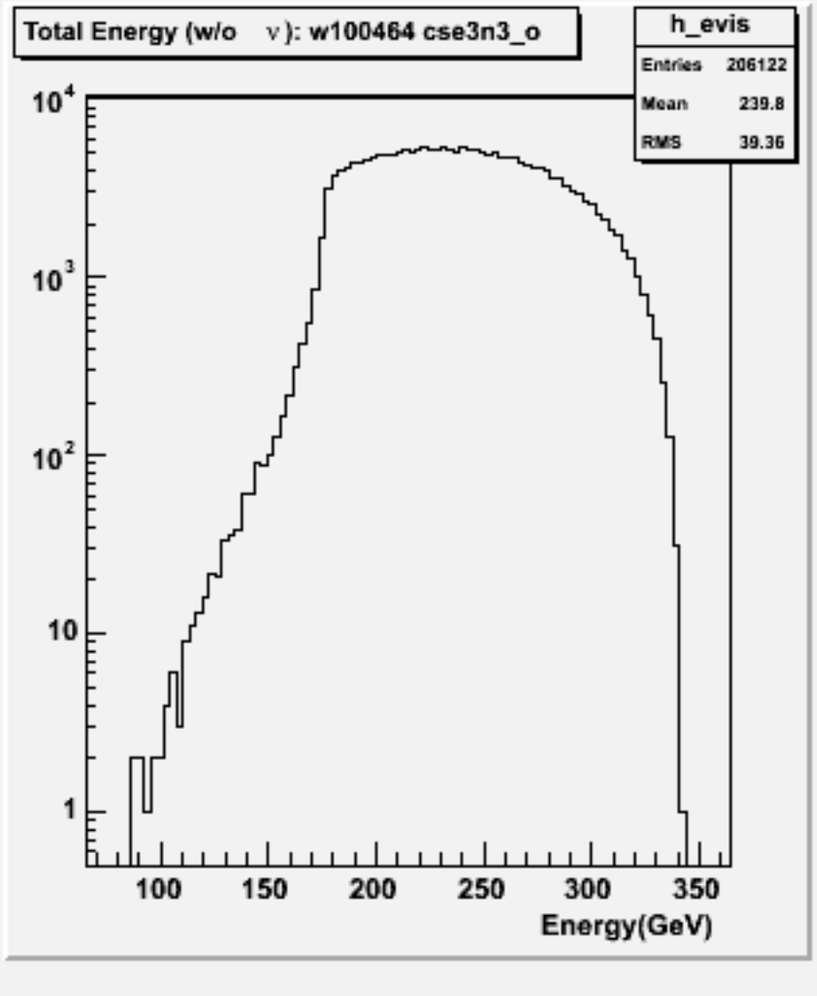

Particle cosθ : w100464 cse3n3_o
h_cs
cos θ

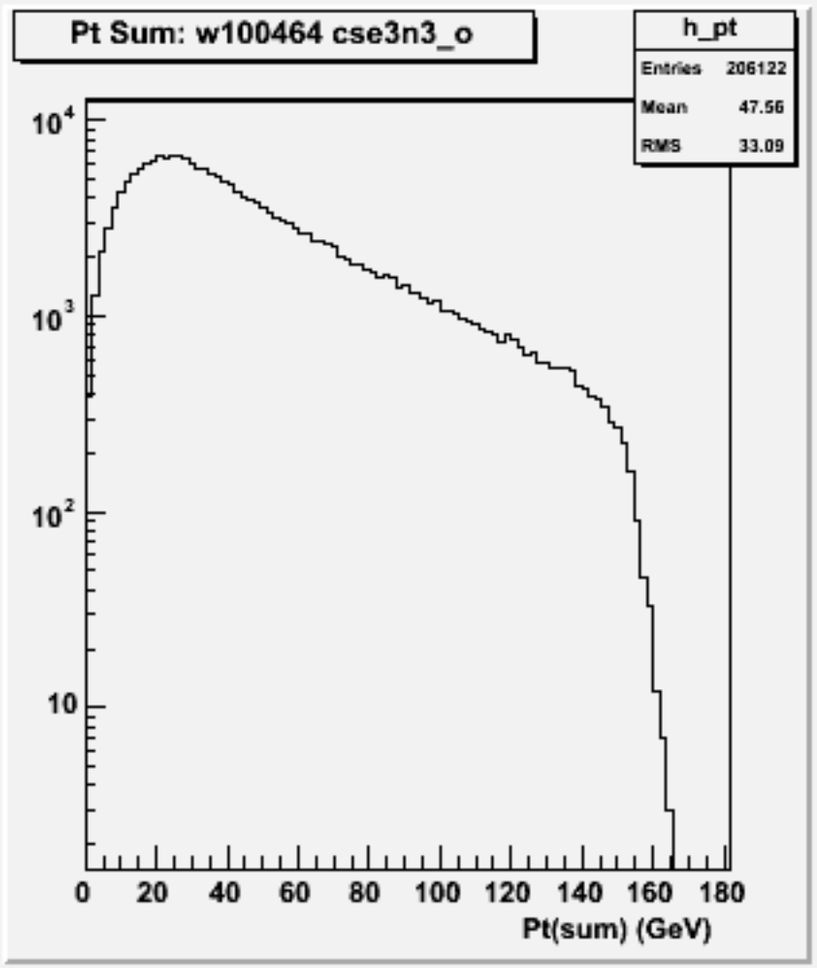

Start point R : w100464 cse3n3_o
h_vr
Start point Radius

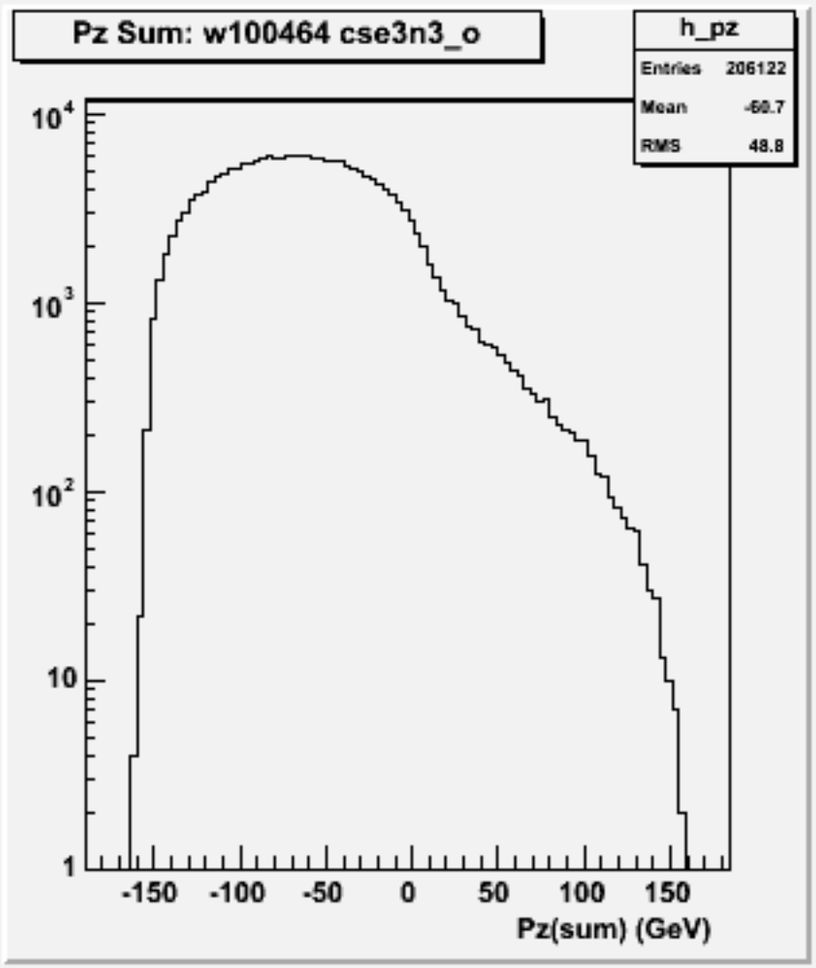

Start point Z : w100464 cse3n3_o
h_vz
Start point

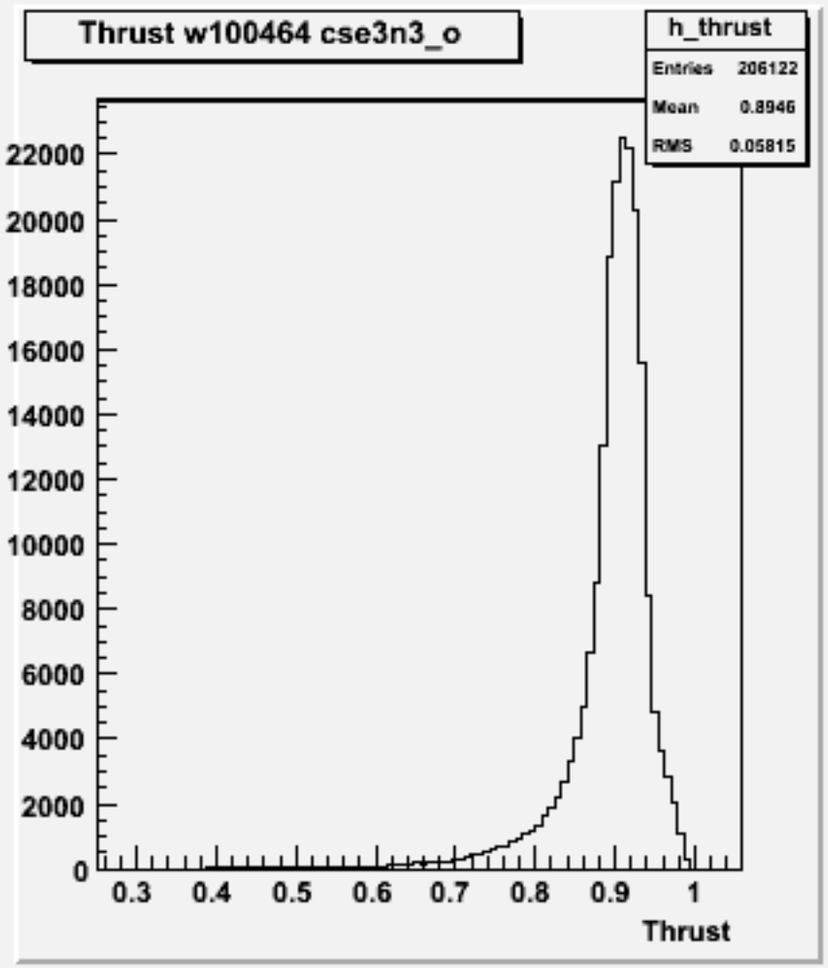

Total Energy (inc. ν): w100464 cse3n3_o
h_etot
Entries 206122
Mean 346.9
RMS 7.09
Total Energy(GeV)

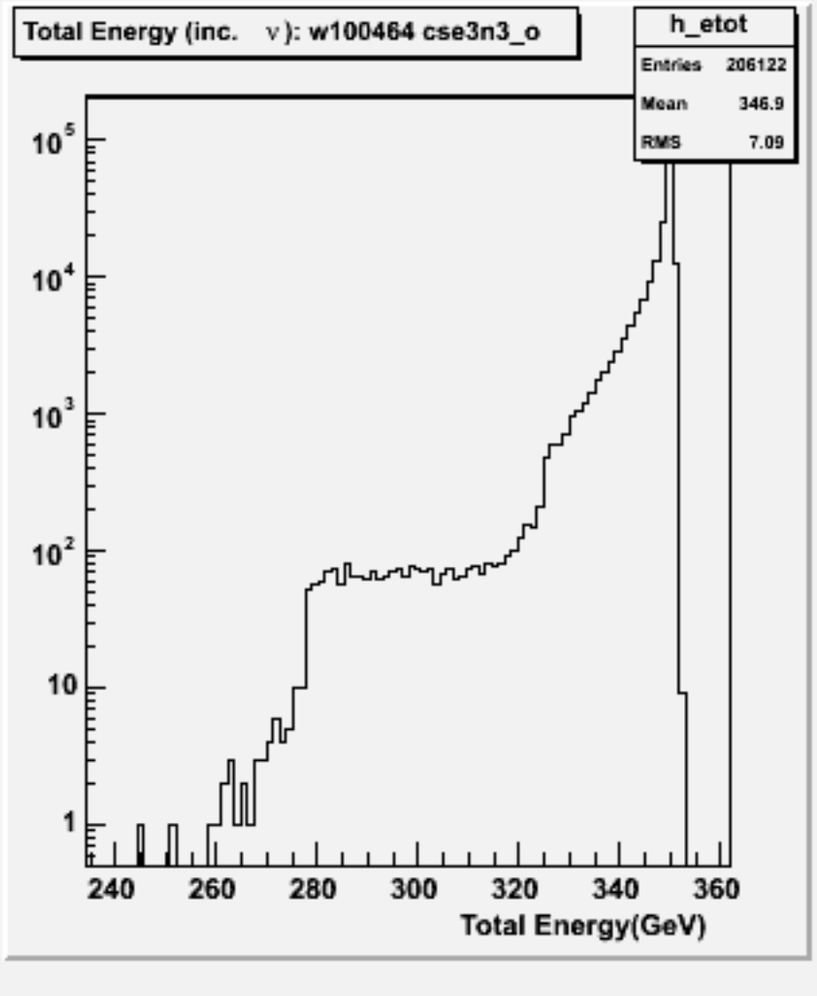

Total Energy (inc. ν): w100464 cse3n3_o
h_etotc
Entries 187550
Mean 348.6
RMS 2.315
Total Energy(GeV)

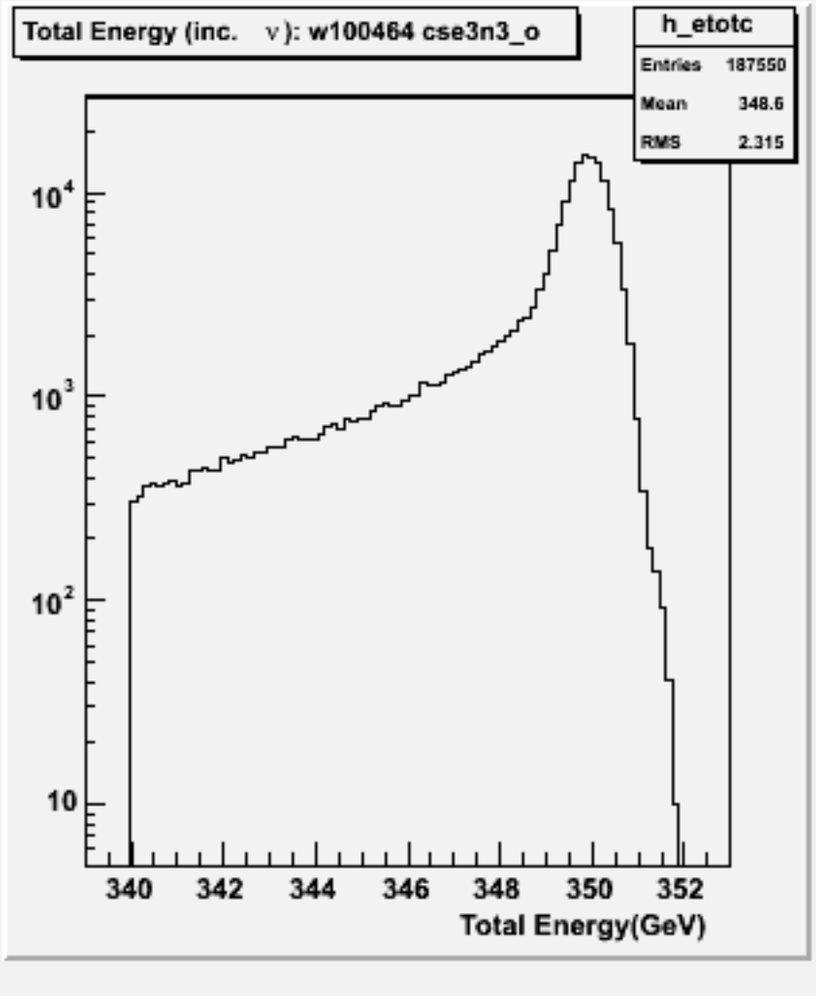

Total Energy (w/o ν): w100464 cse3n3_o
h_evis
Entries 206122
Mean 239.8
RMS 39.36
Energy(GeV)

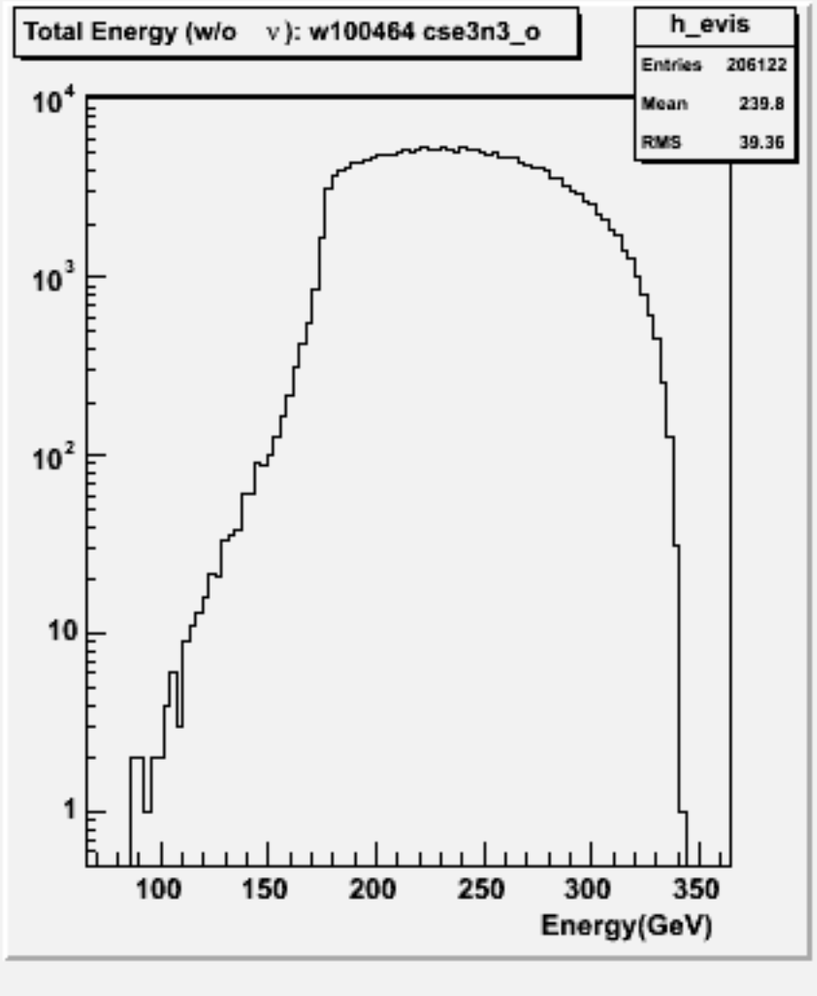

Pt Sum: w100464 cse3n3_o
h_pt
Entries 206122
Mean 47.56
RMS 33.09
Pt(sum) (GeV)

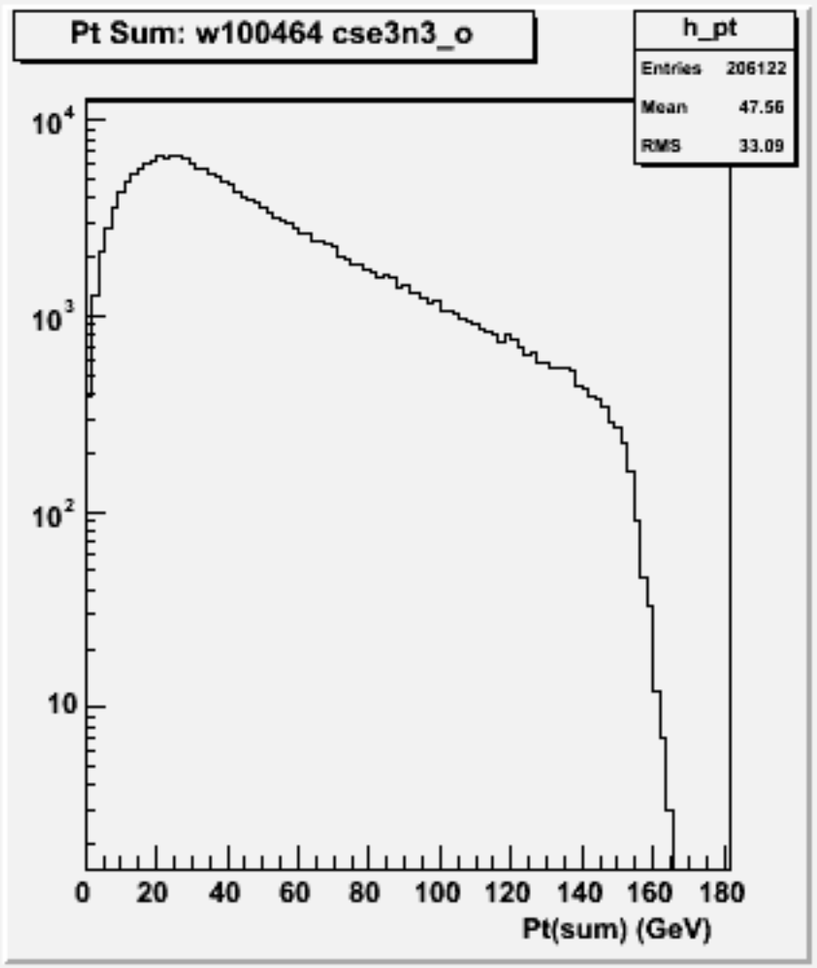

Pz Sum: w100464 cse3n3_o
h_pz
Entries 206122
Mean -60.7
RMS 48.8
Pz(sum) (GeV)

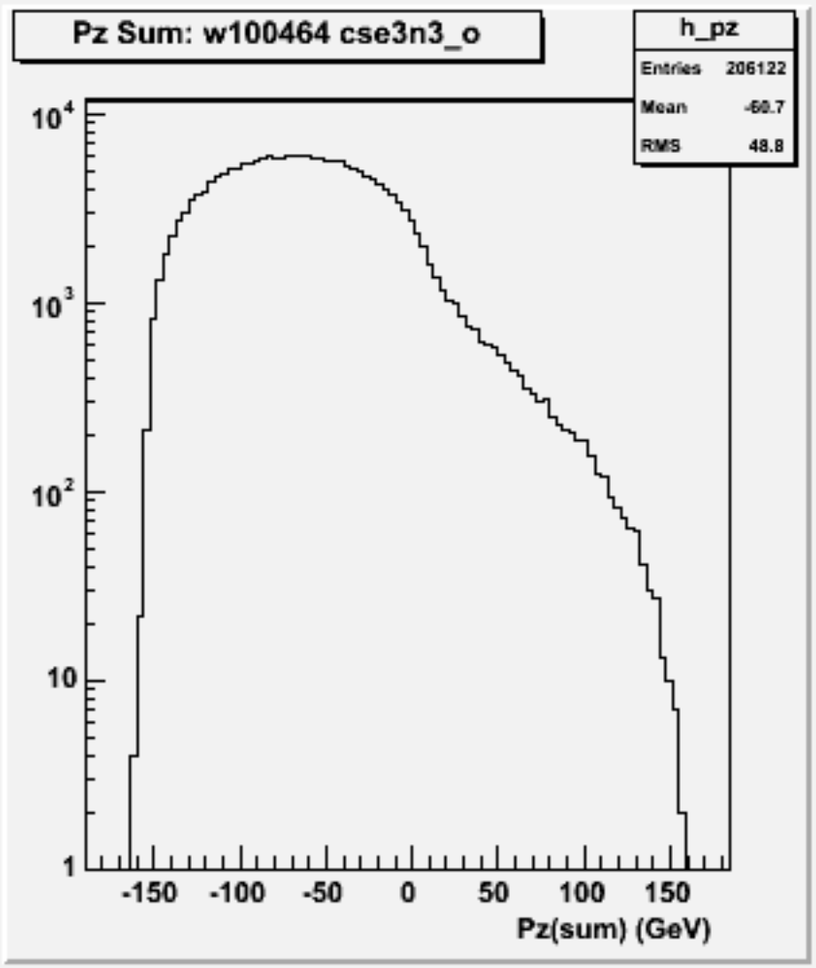

Thrust w100464 cse3n3_o
h_thrust
Entries 206122
Mean 0.8946
RMS 0.05815
Thrust

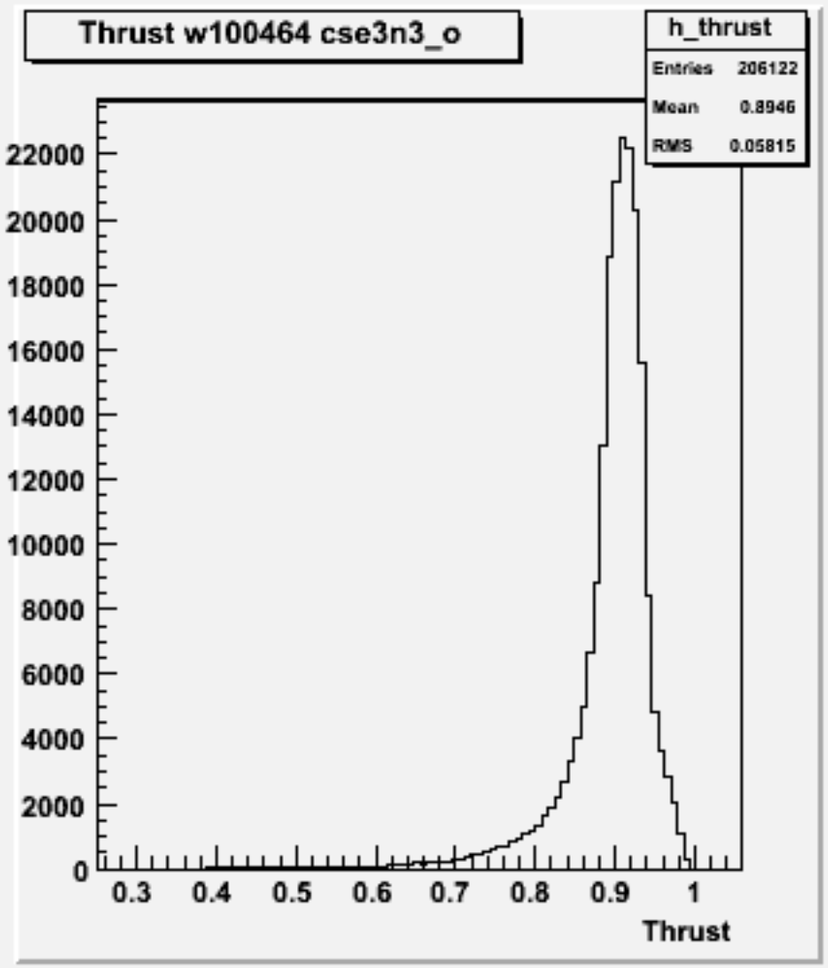

Total Energy (inc. ν): w100464 cse3n3_o
h_etot
Entries 206122
Mean 346.9
RMS 7.09
Total Energy(GeV)

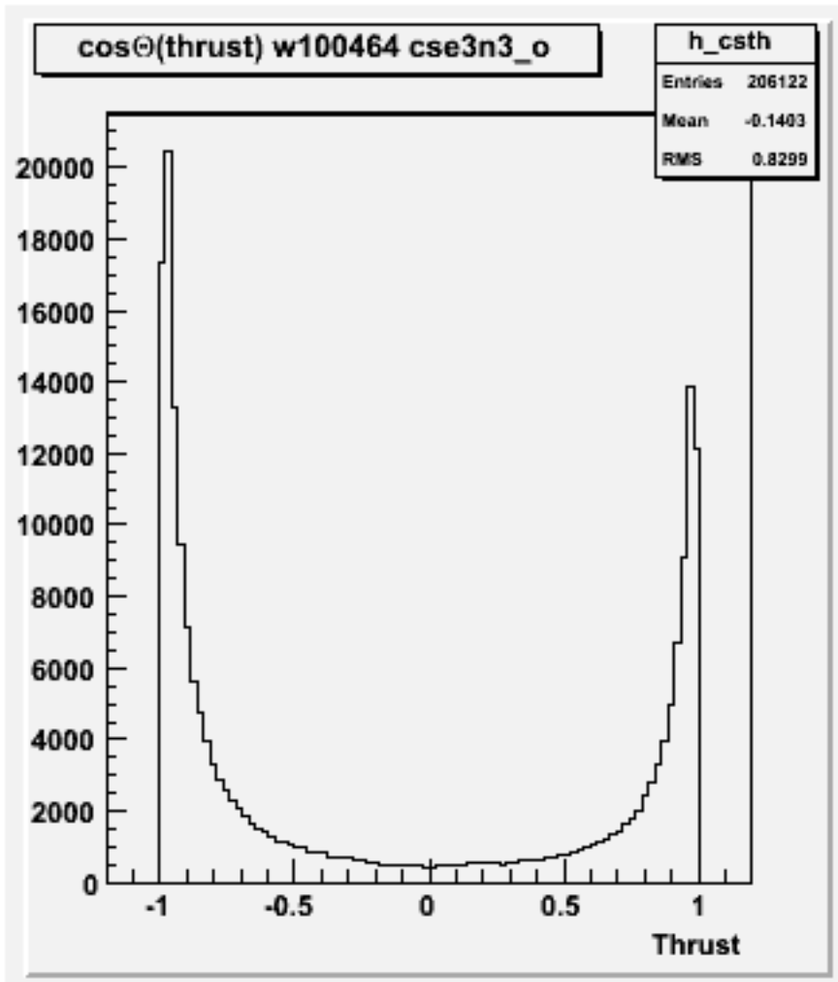

Total Energy (inc. ν): w100464 cse3n3_o
h_etotc
Entries 187550
Mean 348.6
RMS 2.315
Total Energy(GeV)

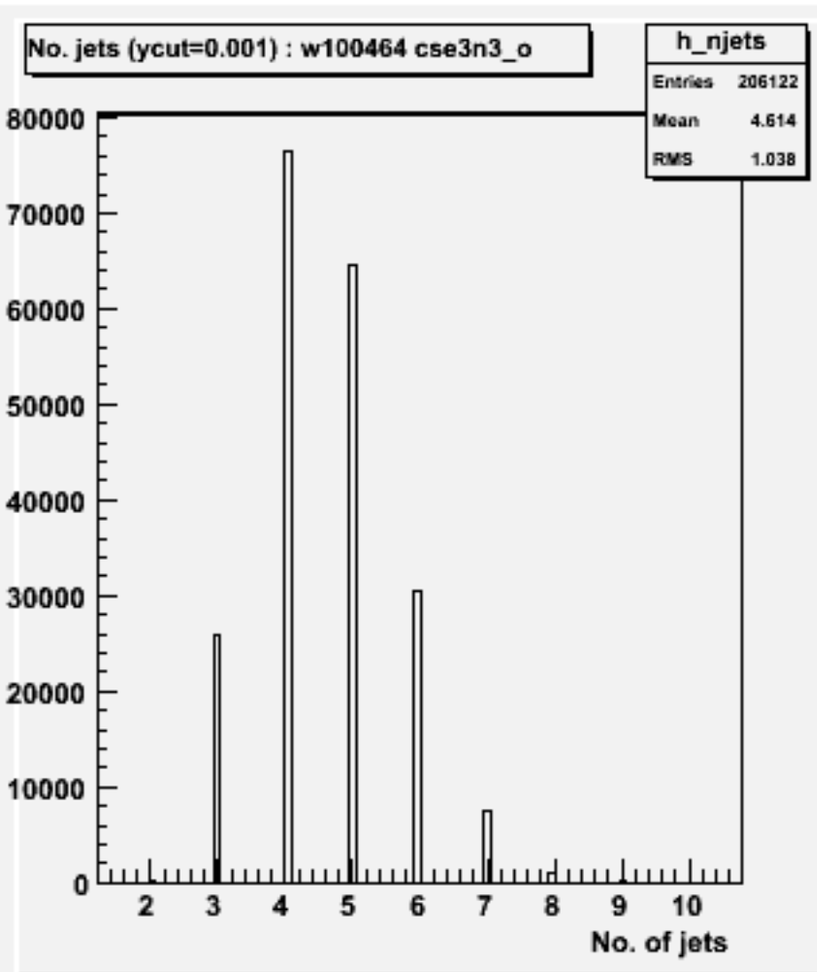

Total Energy (w/o ν): w100464 cse3n3_o
h_evis
Entries 206122
Mean 239.8
RMS 39.36
Energy(GeV)

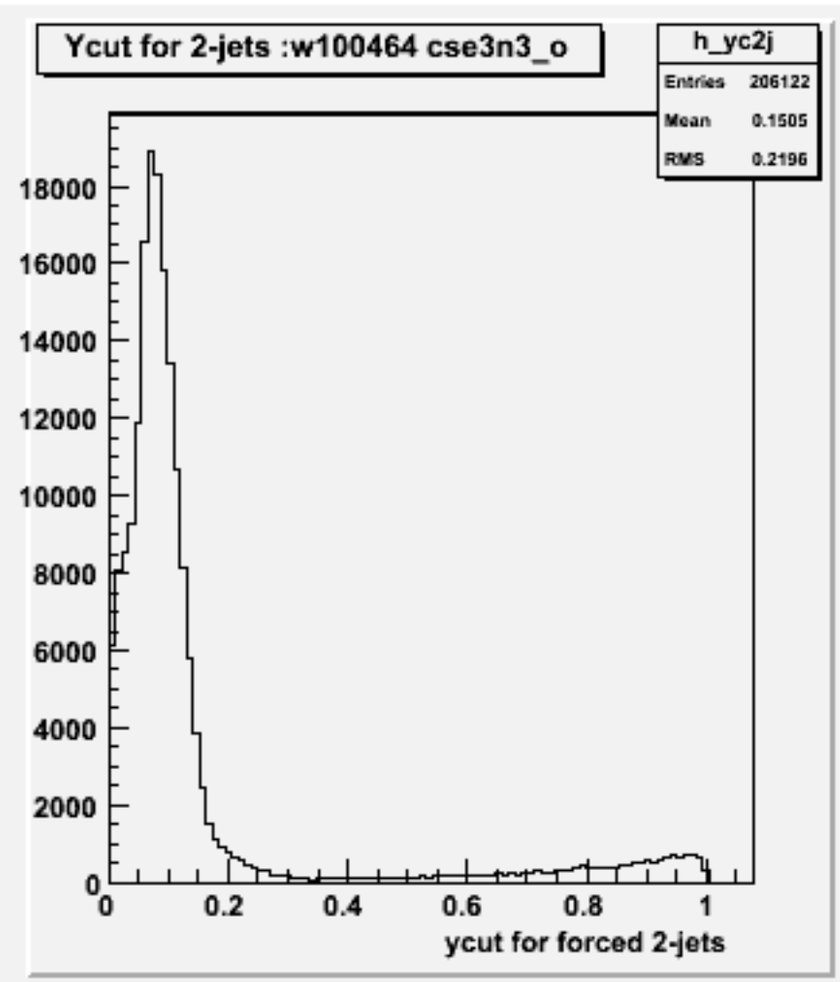

Pt Sum: w100464 cse3n3_o
h_pt
Entries 206122
Mean 47.56
RMS 33.09
Pt(sum) (GeV)

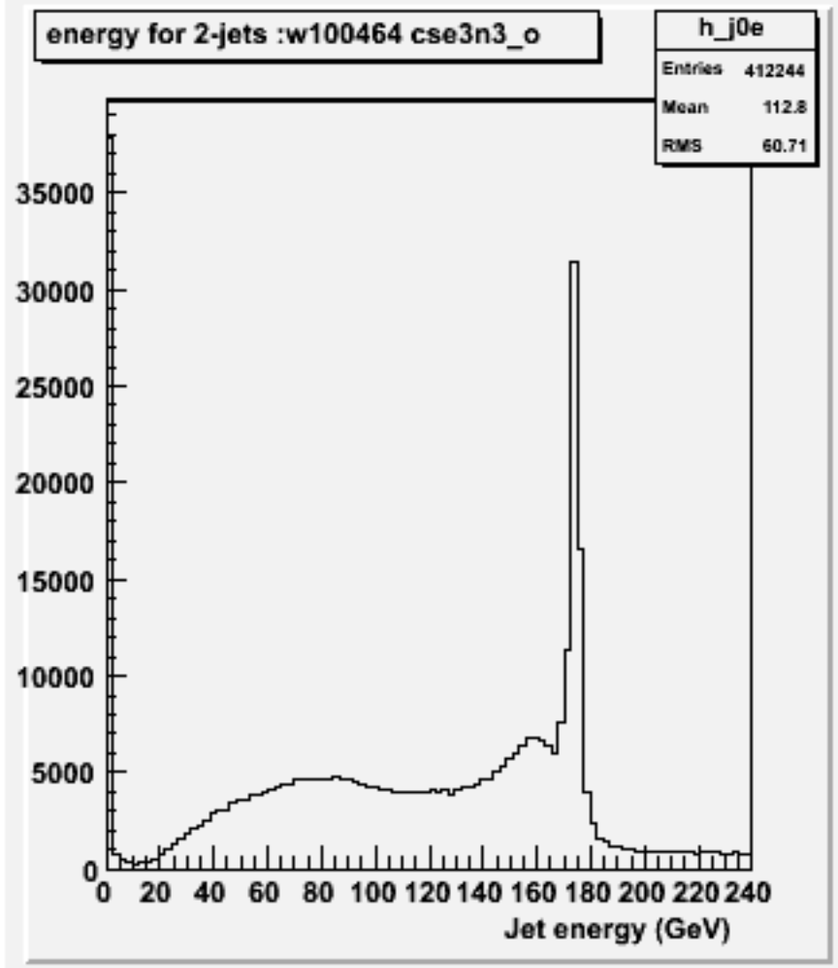

Pz Sum: w100464 cse3n3_o
h_pz
Entries 206122
Mean -60.7
RMS 48.8
Pz(sum) (GeV)

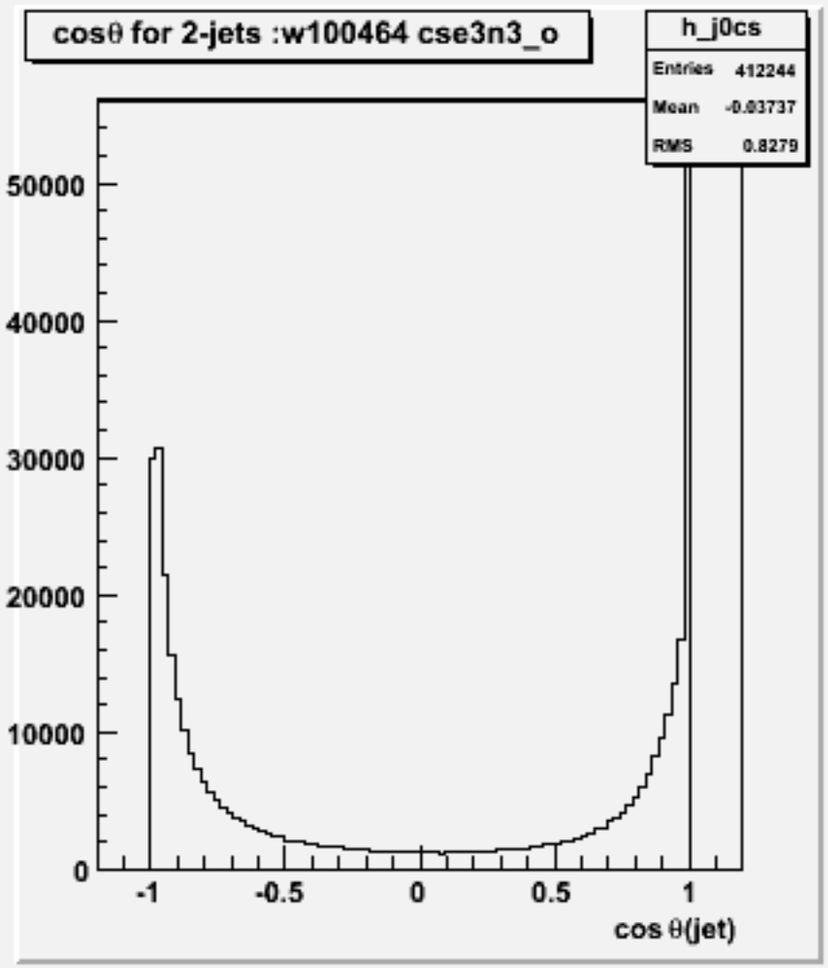

Thrust w100464 cse3n3_o
h_thrust
Entries 206122
Mean 0.8946
RMS 0.05815
Thrust

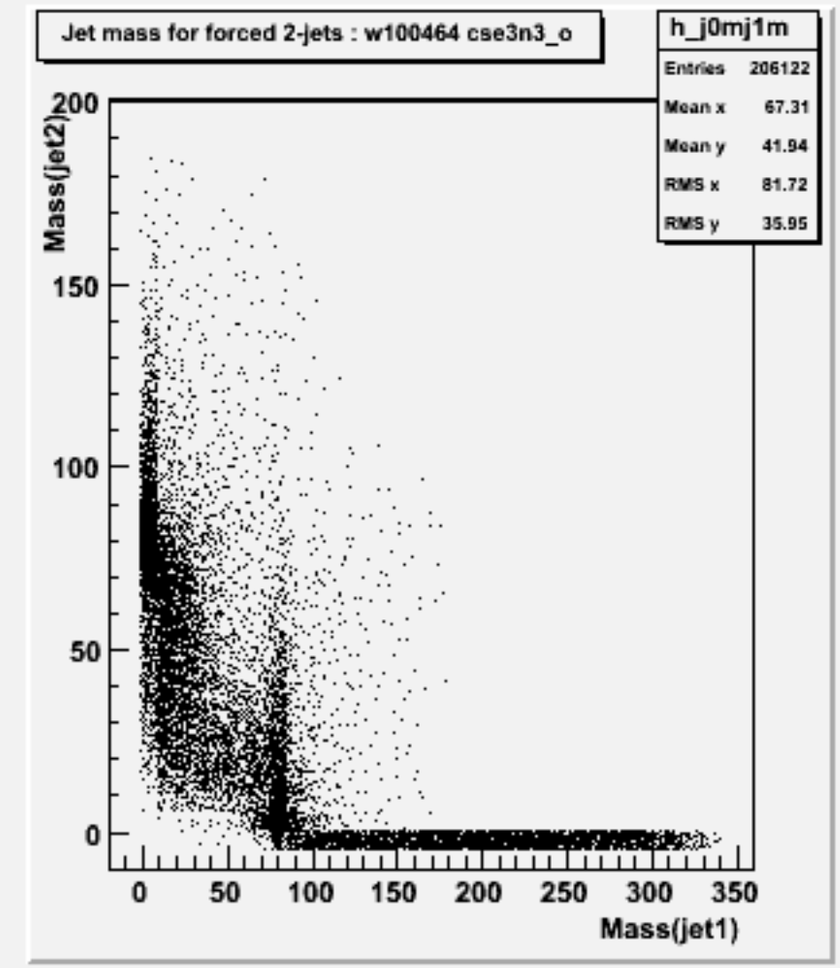

cosΘ(thrust) w100464 cse3n3_o
h_csth
Entries 206122
Mean -0.1403
RMS 0.8299
Thrust

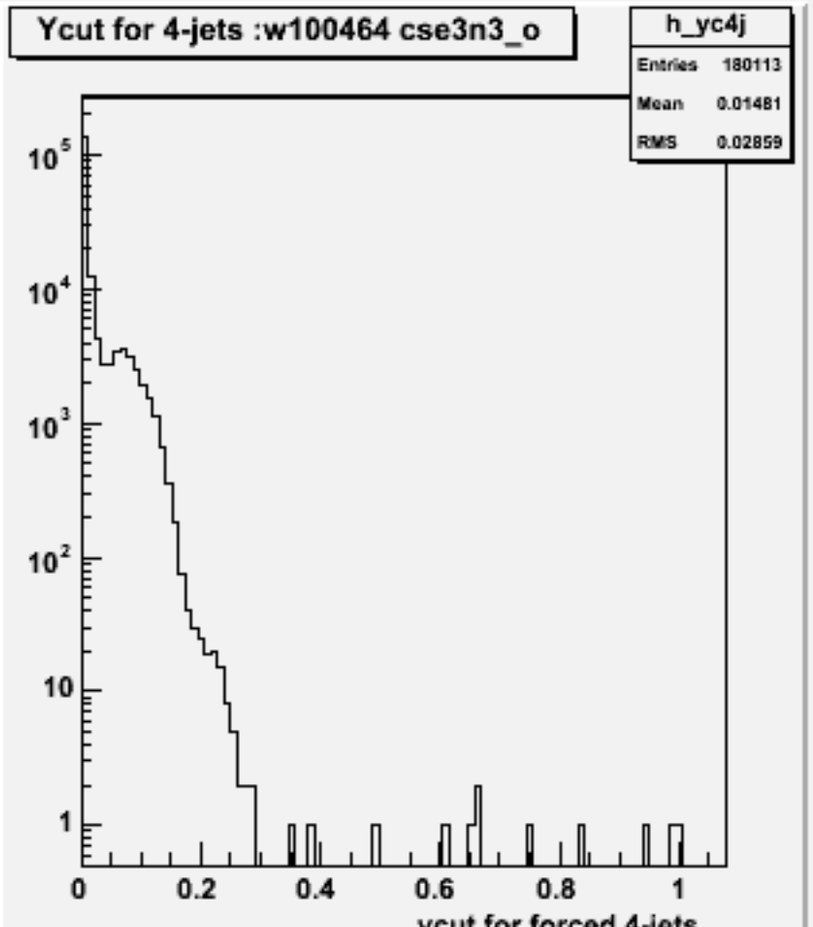

No. jets (ycut=0.001) : w100464 cse3n3_o
h_njets
Entries 206122
Mean 4.614
RMS 1.038
No. of jets

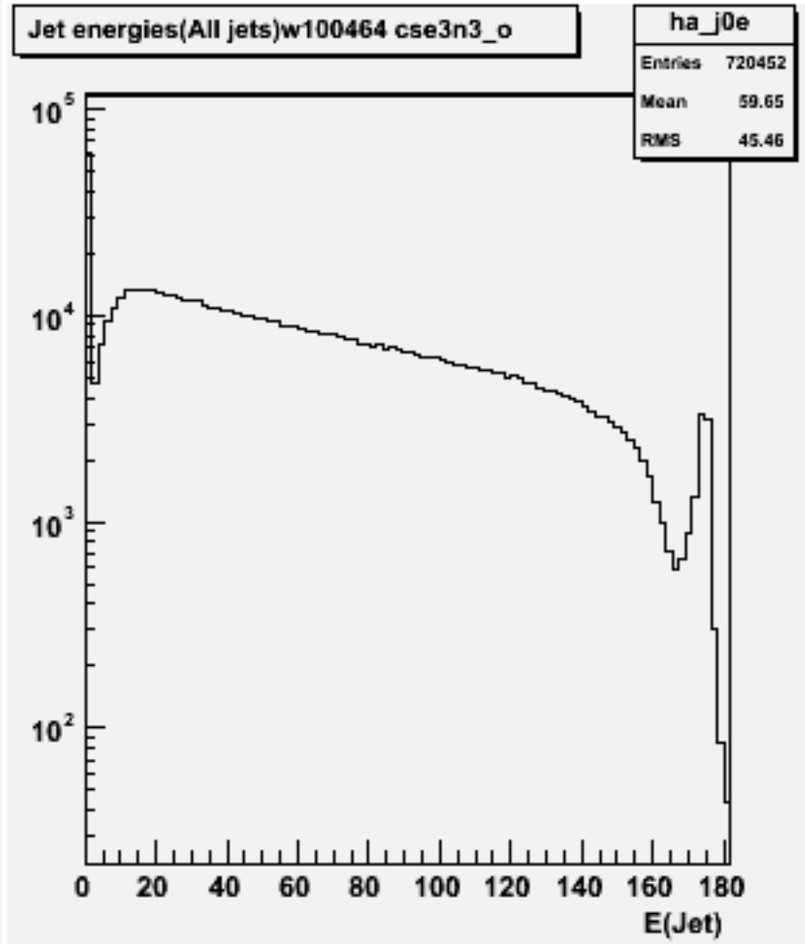

Ycut for 2-jets :w100464 cse3n3_o
h_yc2j
Entries 206122
Mean 0.1505
RMS 0.2196
ycut for forced 2-jets

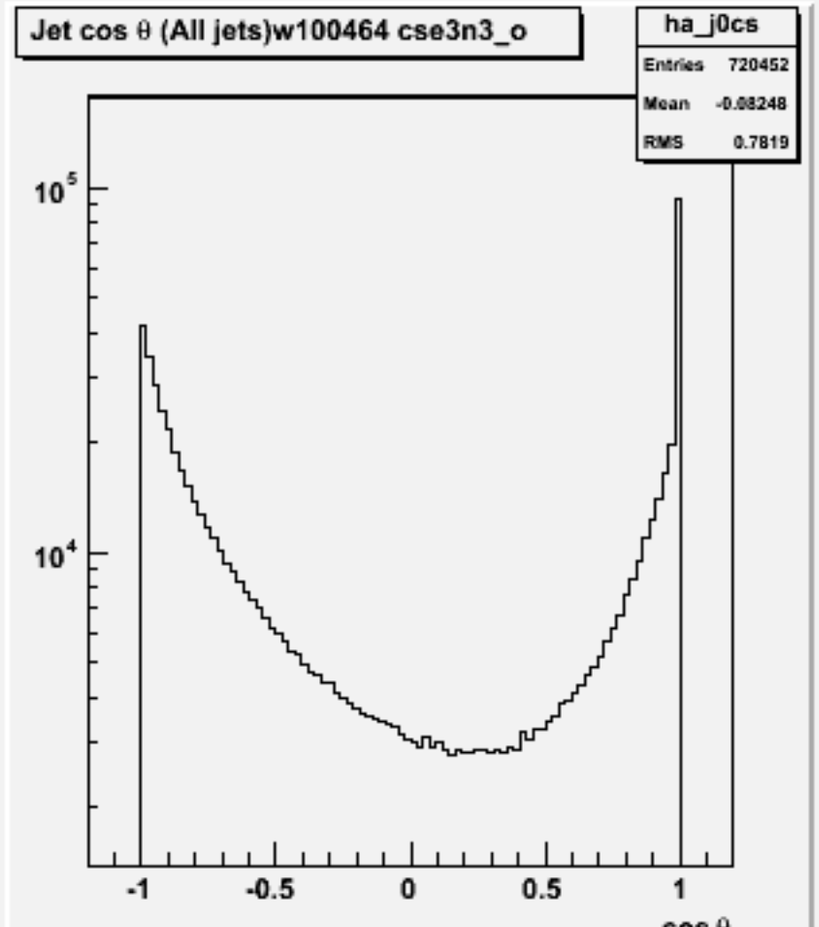

energy for 2-jets :w100464 cse3n3_o
h_j0e
Entries 412244
Mean 112.8
RMS 60.71
Jet energy (GeV)

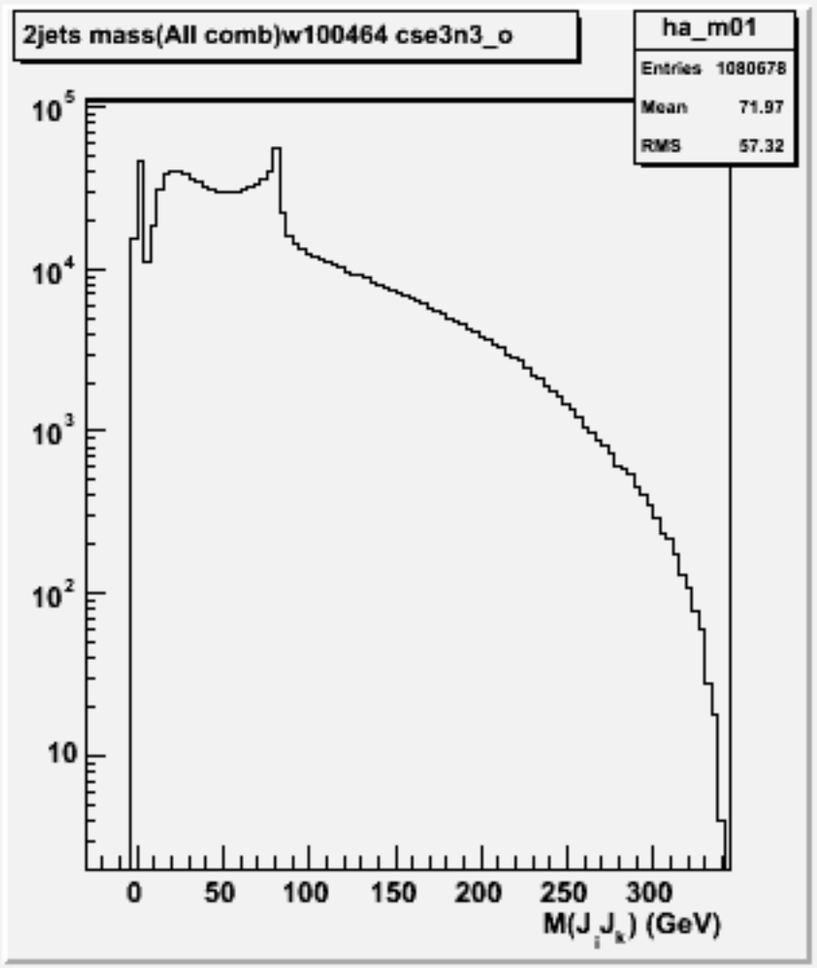

cosθ for 2-jets :w100464 cse3n3_o
h_j0cs
Entries 412244
Mean -0.03737
RMS 0.8279
cos θ(jet)

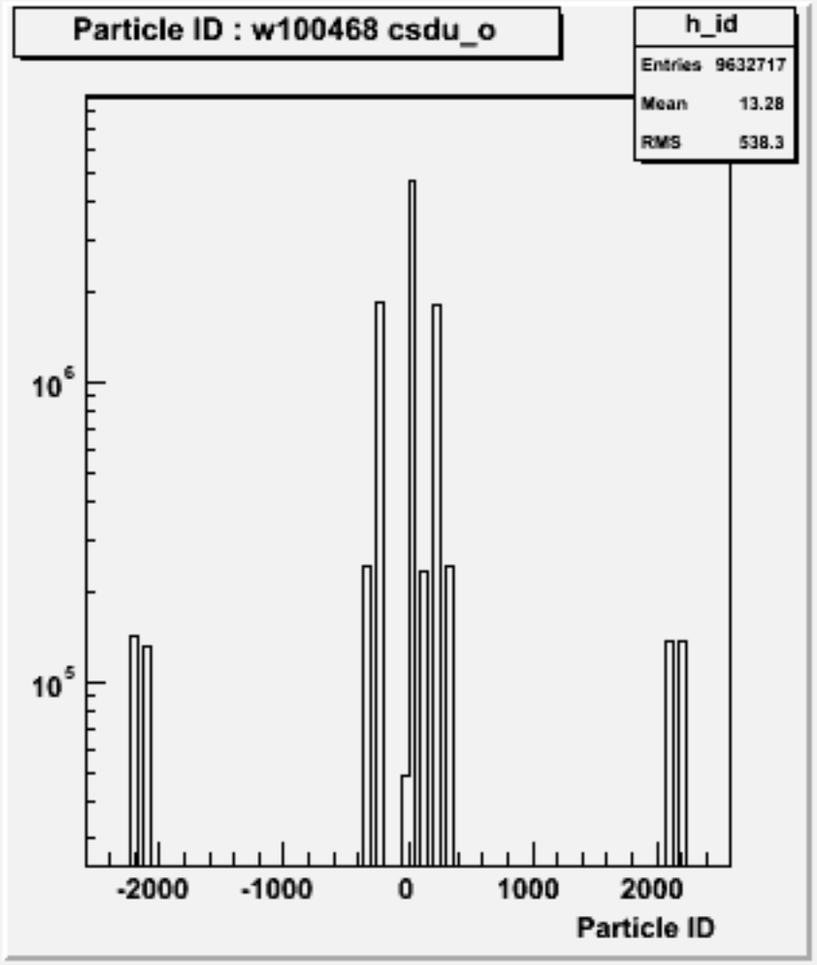

Jet mass for forced 2-jets : w100464 cse3n3_o
h_j0mj1m
Entries 206122
Mean x 67.31
Mean y 41.94
RMS x 81.72
RMS y 35.95
Mass(jet2)
Mass(jet1)

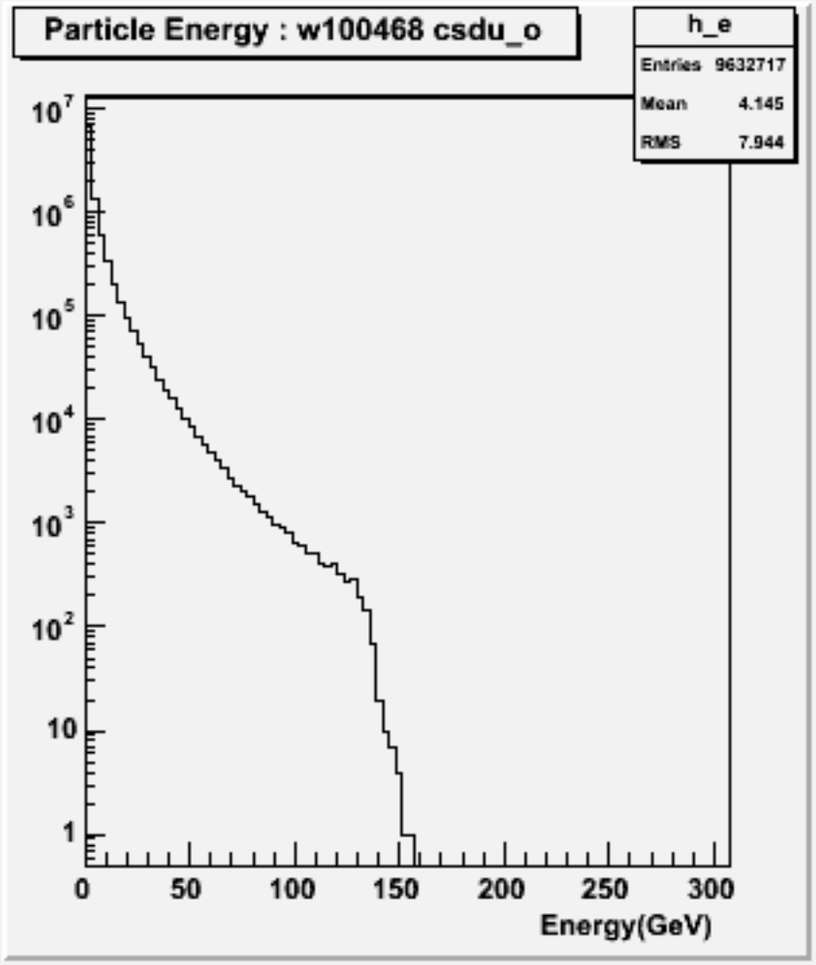

Ycut for 4-jets :w100464 cse3n3_o
h_yc4j
Entries 180113
Mean 0.01481
RMS 0.02859
ycut for forced 4-jets

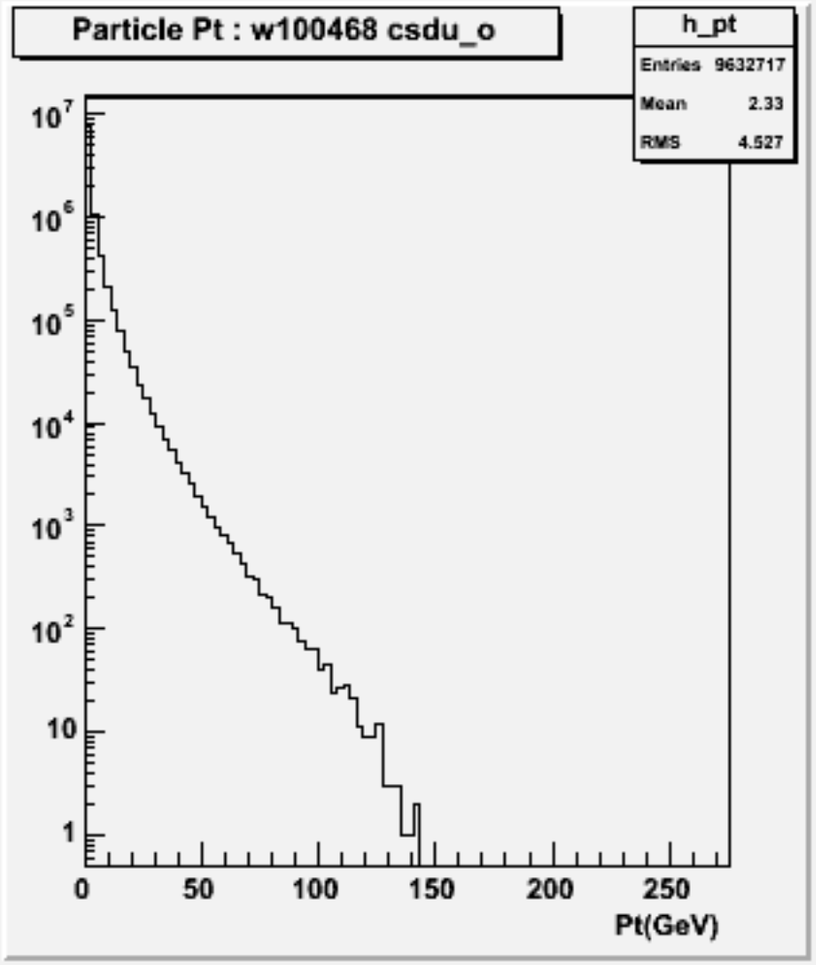

Jet energies(All jets)w100464 cse3n3_o
ha_j0e
Entries 720452
Mean 59.65
RMS 45.46
E(Jet)

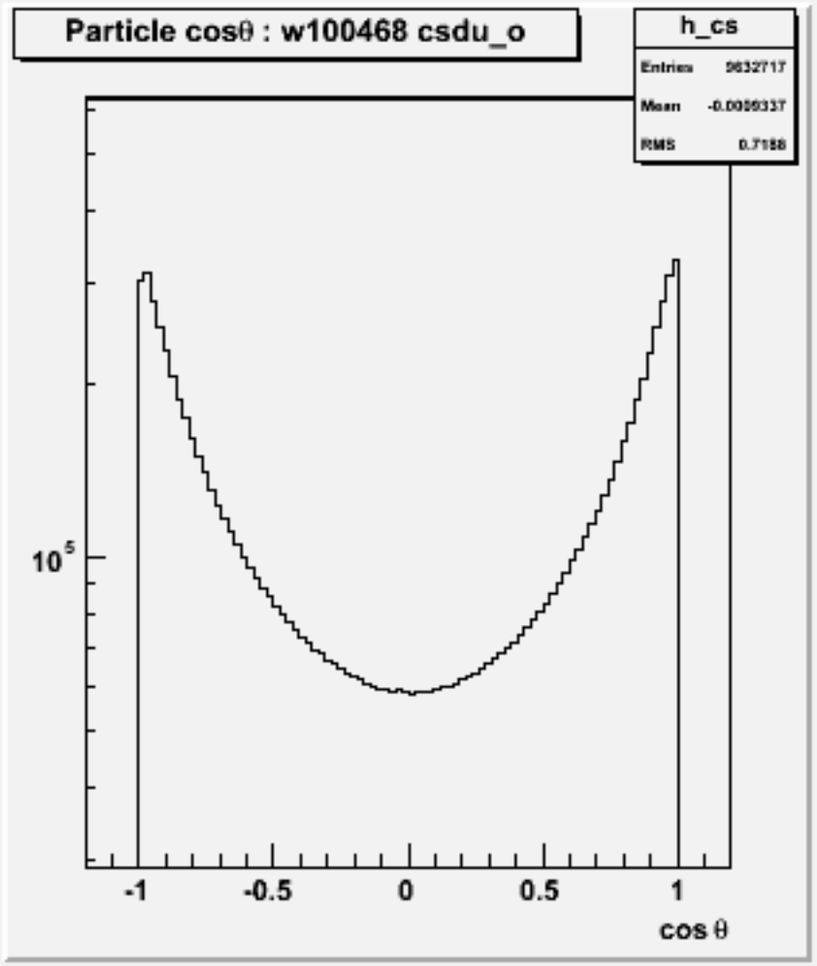

Jet cos θ (All jets)w100464 cse3n3_o
ha_j0cs
Entries 720452
Mean -0.08248
RMS 0.7819
cos θ

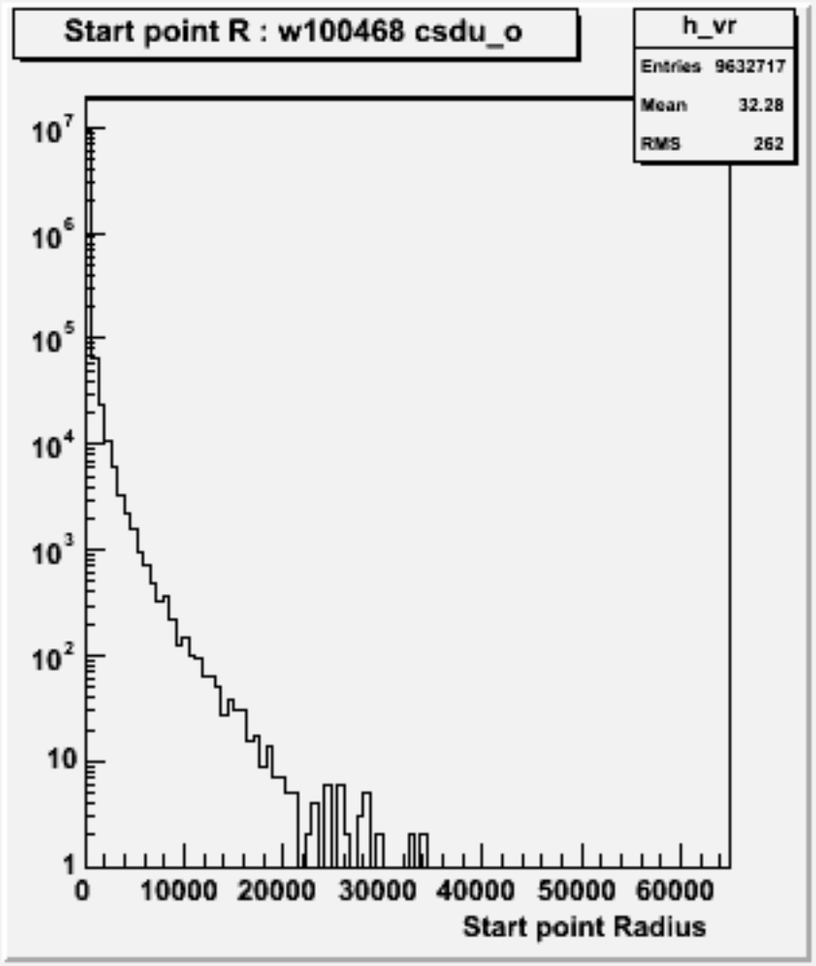

2jets mass(All comb)w100464 cse3n3_o
ha_m01
Entries 1080678
Mean 71.97
RMS 57.32
M(J_iJ_k) (GeV)

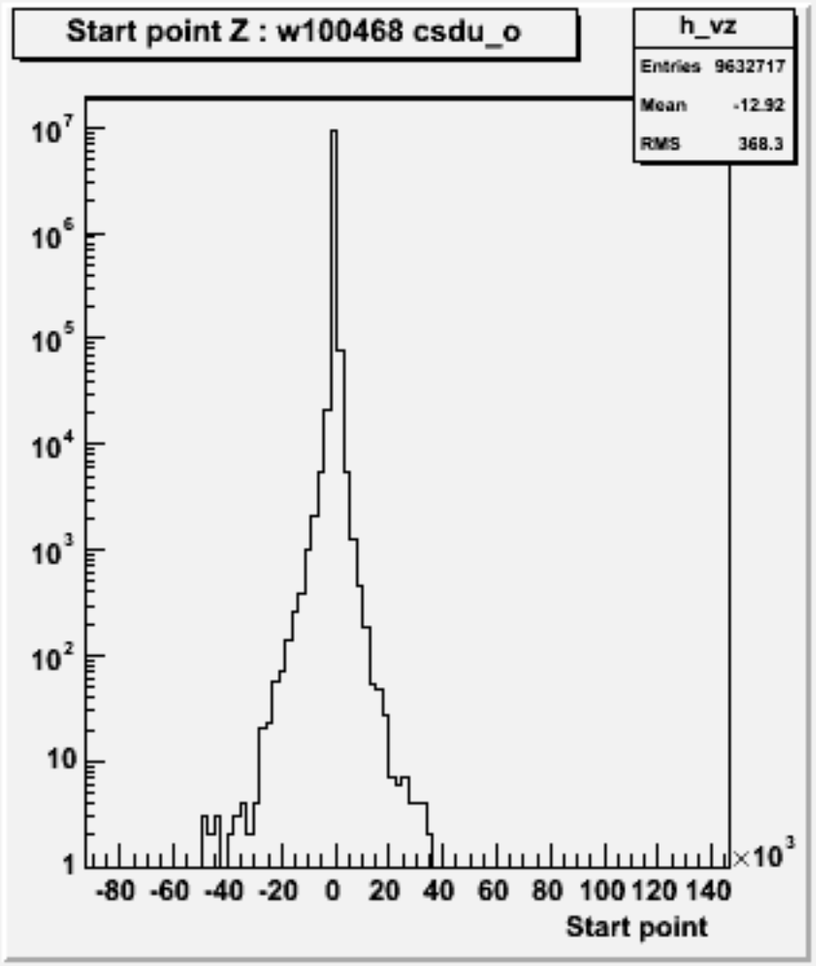

Particle ID : w100468 csdu_o
h_id
Entries 9632717
Mean 13.28
RMS 538.3
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

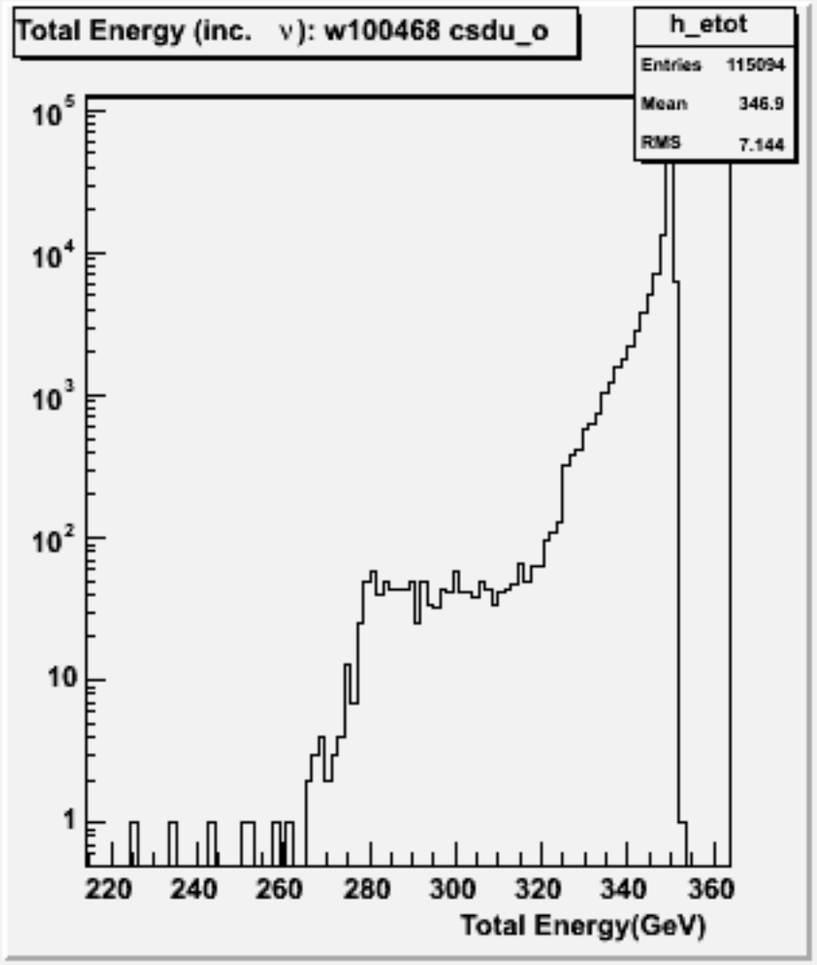

Particle Energy : w100468 csdu_o
h_e
Entries 9632717
Mean 4.145
RMS 7.944
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
300
Energy(GeV)

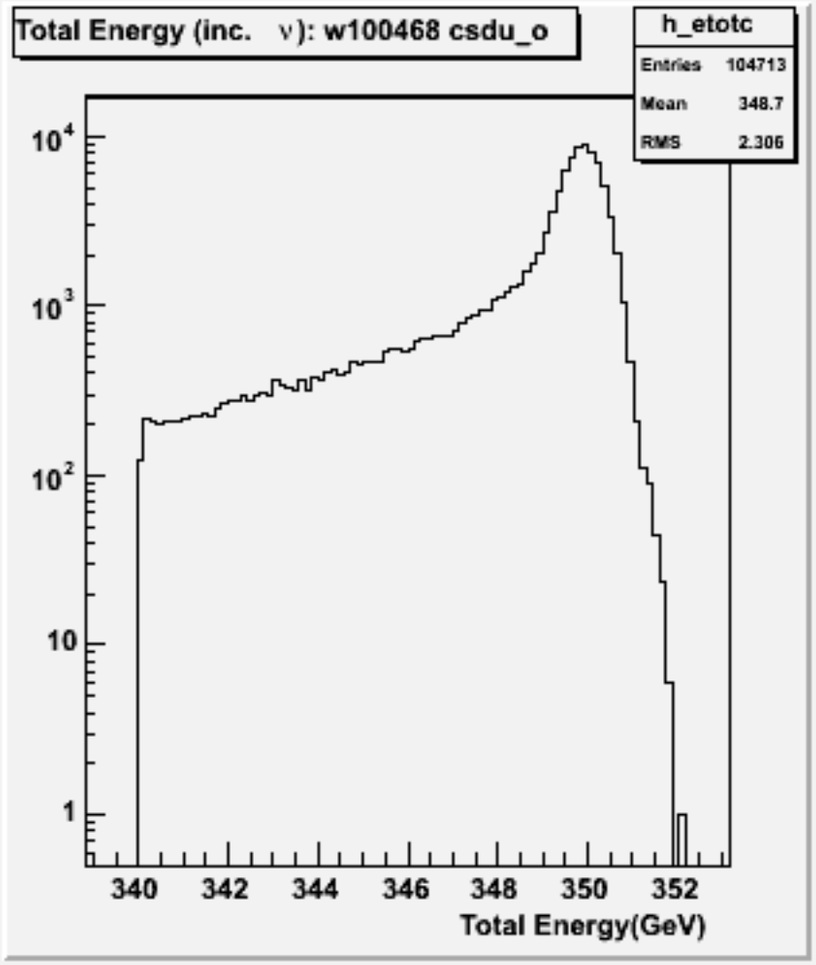

Particle Pt : w100468 csdu_o
h_pt
Entries 9632717
Mean 2.33
RMS 4.527
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Pt(GeV)

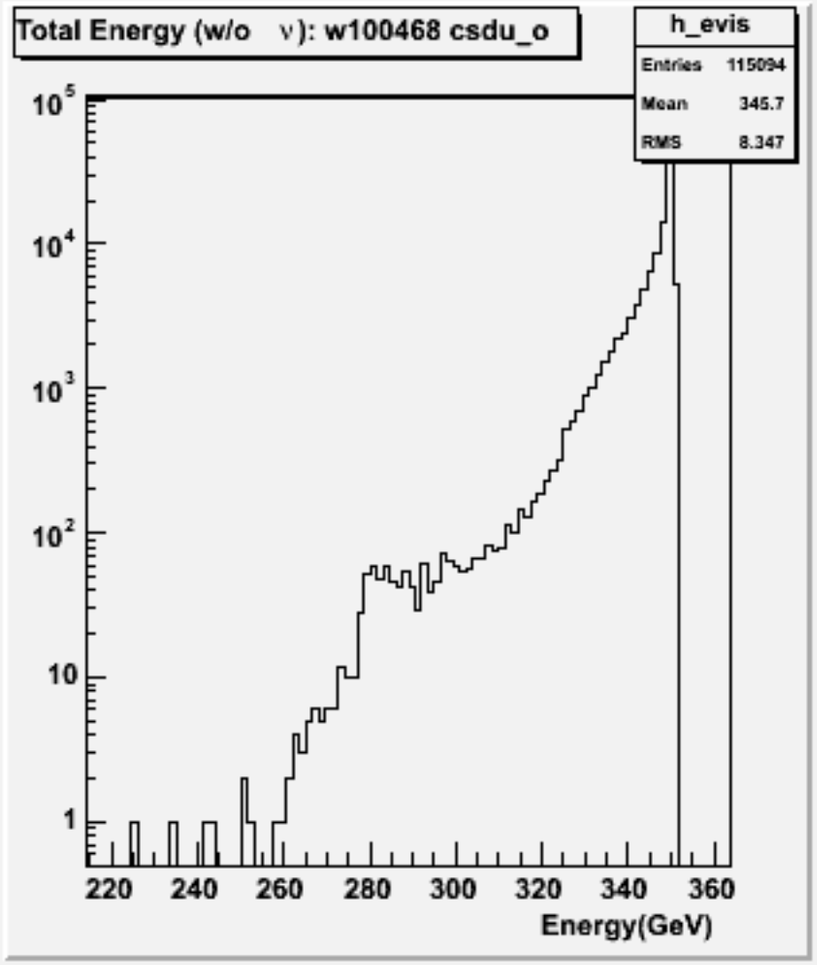

Particle cosθ : w100468 csdu_o
h_cs
Entries 9632717
Mean -0.005937
RMS 0.7188
10^5
-1
-0.5
0
0.5
1
cos θ

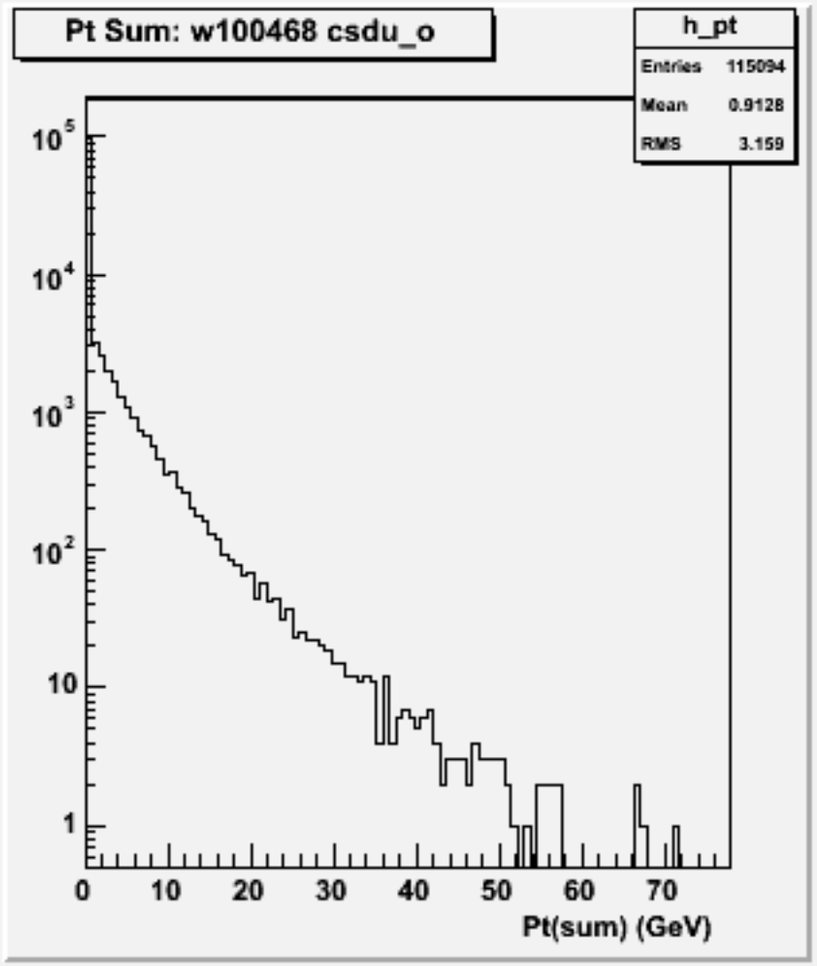

Start point R : w100468 csdu_o
h_vr
Entries 9632717
Mean 32.28
RMS 262
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
60000
Start point Radius

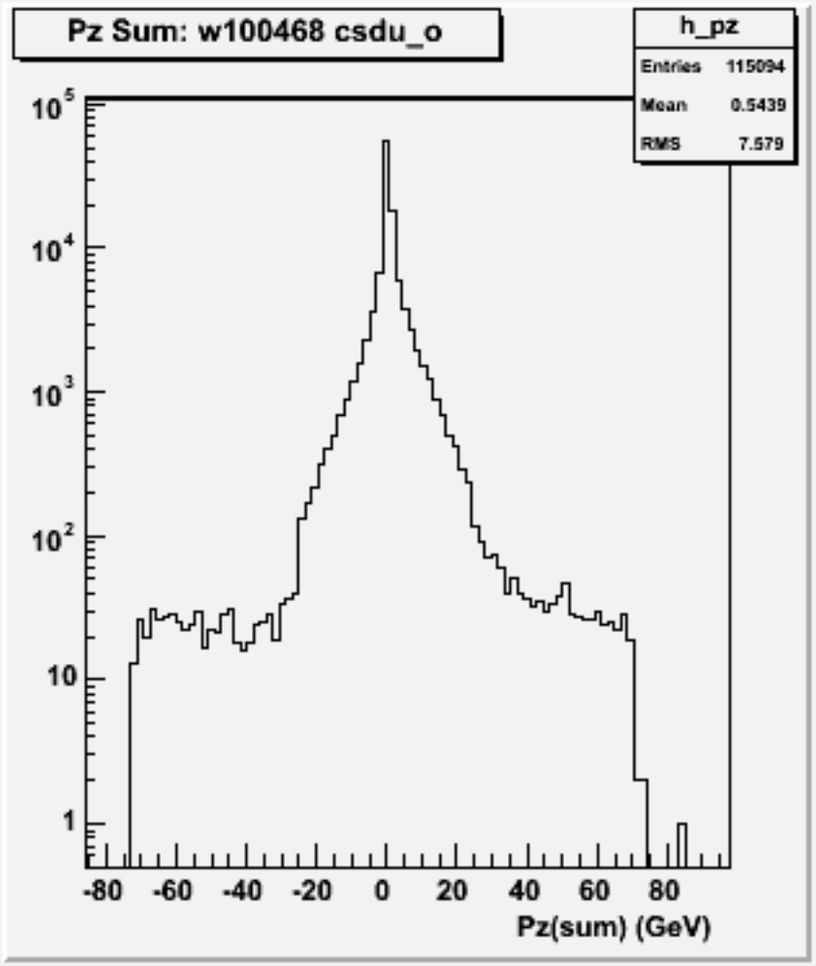

Start point Z : w100468 csdu_o
h_vz
Entries 9632717
Mean -12.92
RMS 368.3
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-80
-60
-40
-20
0
20
40
60
80
100
120
140
$\times 10^3$
Start point

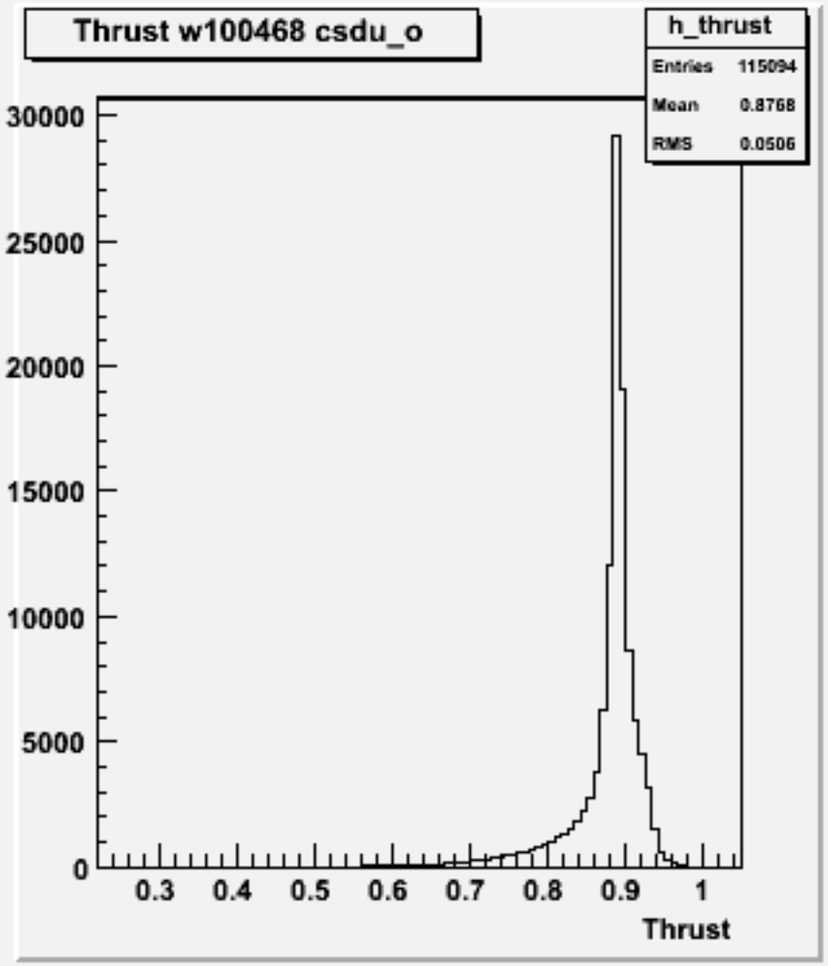

Total Energy (inc. ν): w100468 csdu_o
h_etot
Entries 115094
Mean 346.9
RMS 7.144
Total Energy(GeV)

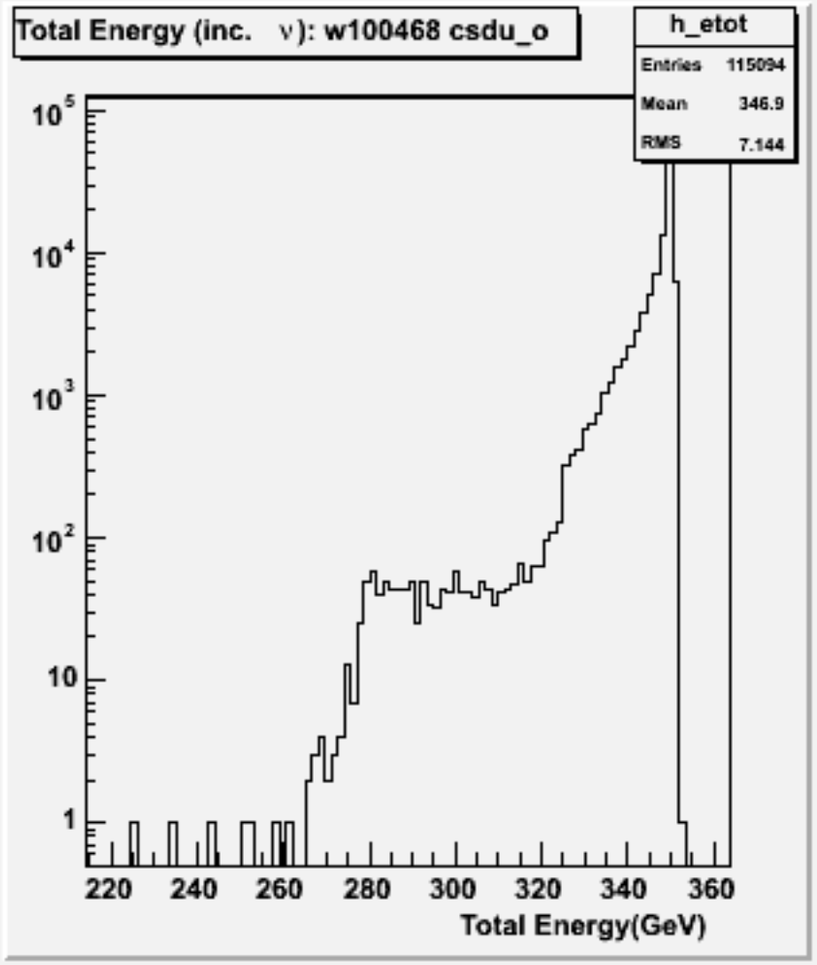

Total Energy (inc. ν): w100468 csdu_o
h_etotc
Entries 104713
Mean 348.7
RMS 2.306
Total Energy(GeV)

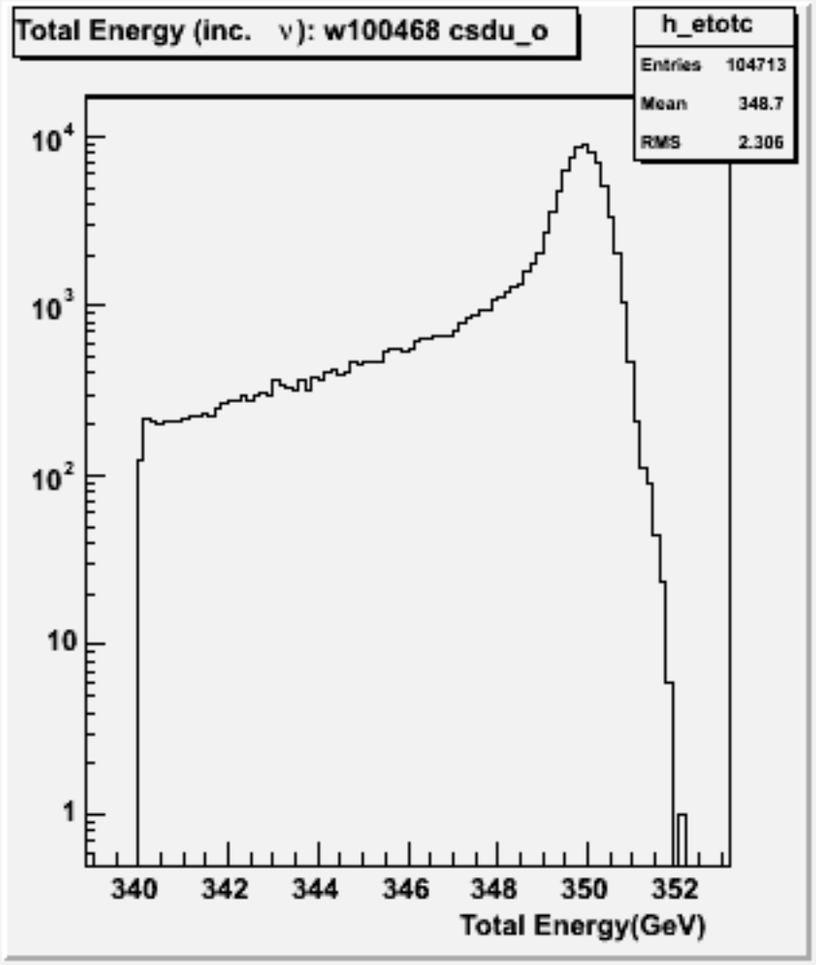

Total Energy (w/o ν): w100468 csdu_o
h_evis
Entries 115094
Mean 345.7
RMS 8.347
Energy(GeV)

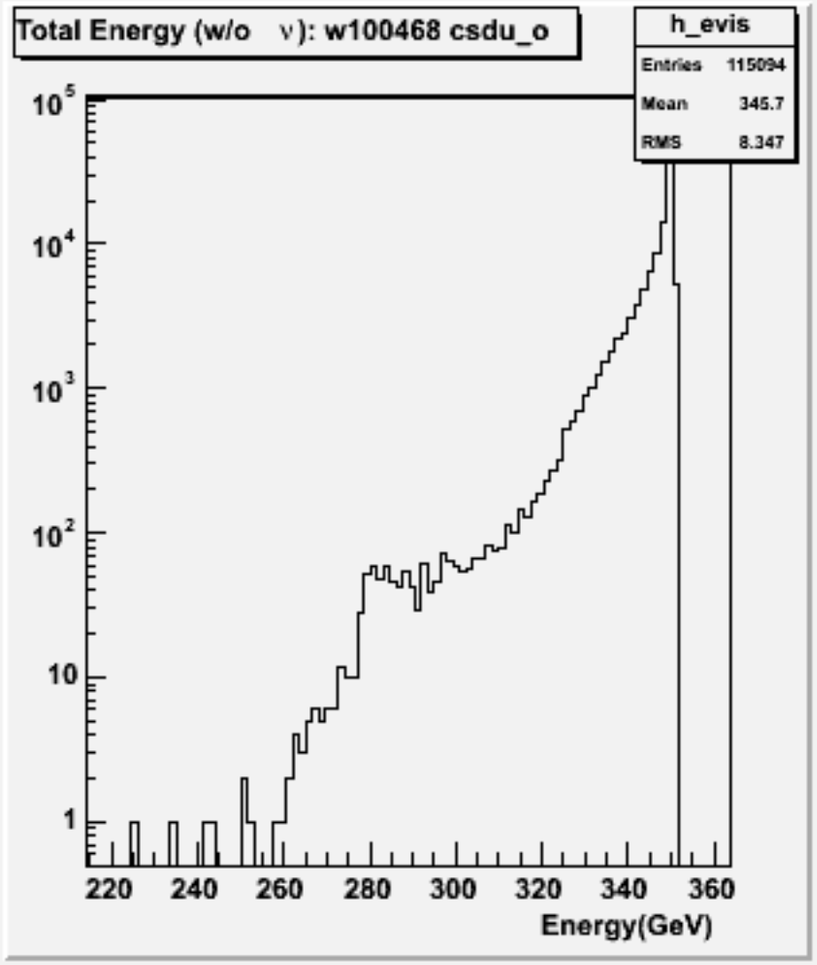

Pt Sum: w100468 csdu_o
h_pt
Entries 115094
Mean 0.9128
RMS 3.159
Pt(sum) (GeV)

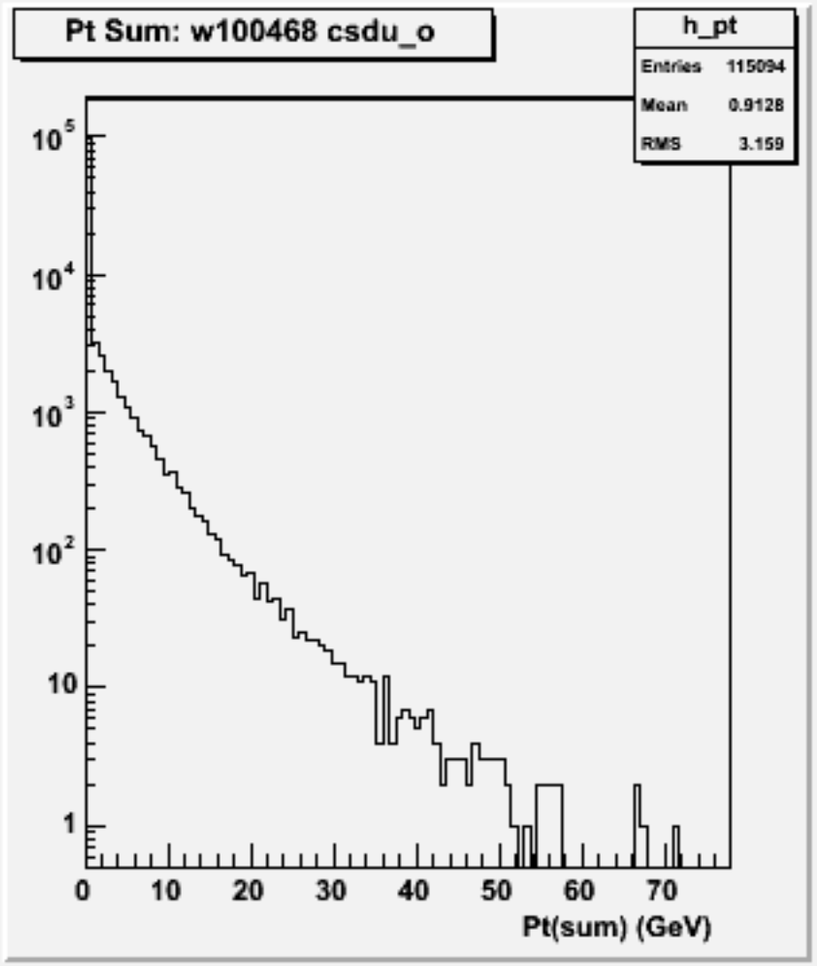

Pz Sum: w100468 csdu_o
h_pz
Entries 115094
Mean 0.5439
RMS 7.579
Pz(sum) (GeV)

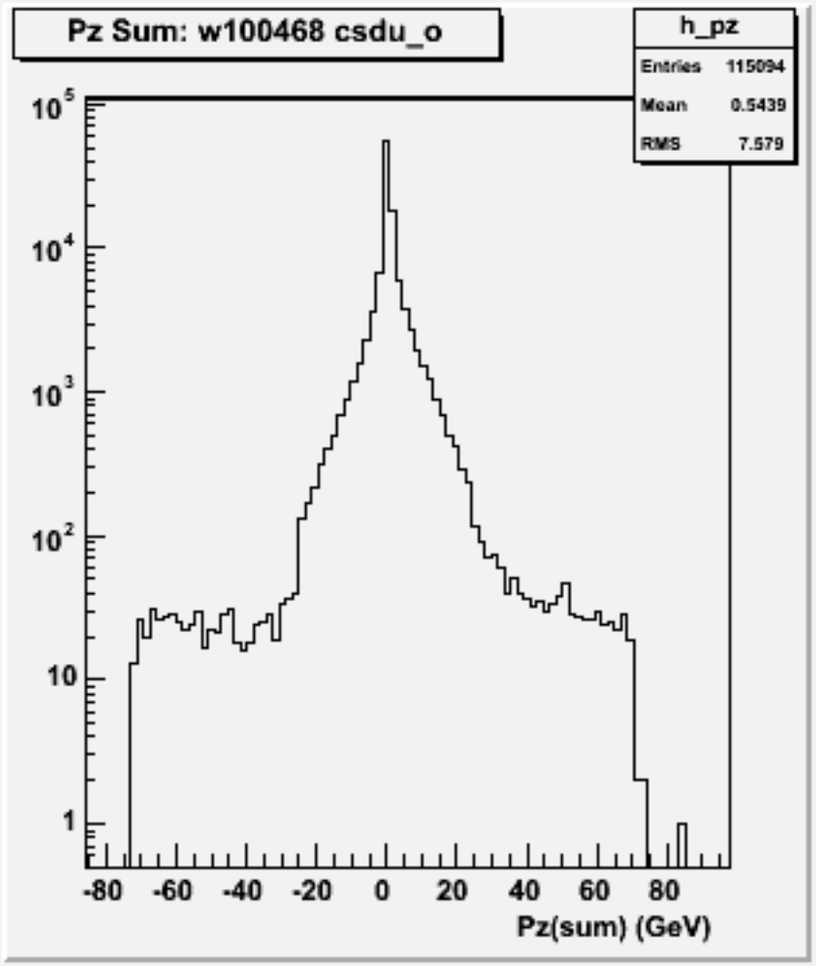

Thrust w100468 csdu_o
h_thrust
Entries 115094
Mean 0.8768
RMS 0.0506
Thrust

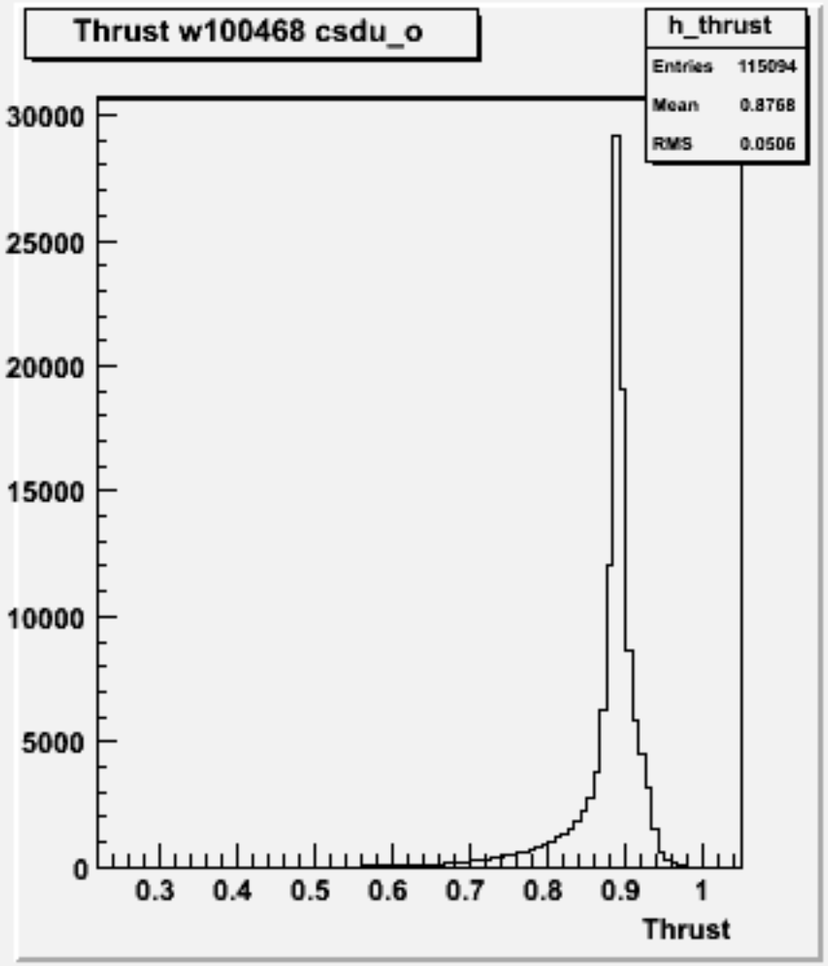

Total Energy (inc. ν): w100468 csdu_o
h_etot
Entries 115094
Mean 346.9
RMS 7.144
Total Energy(GeV)

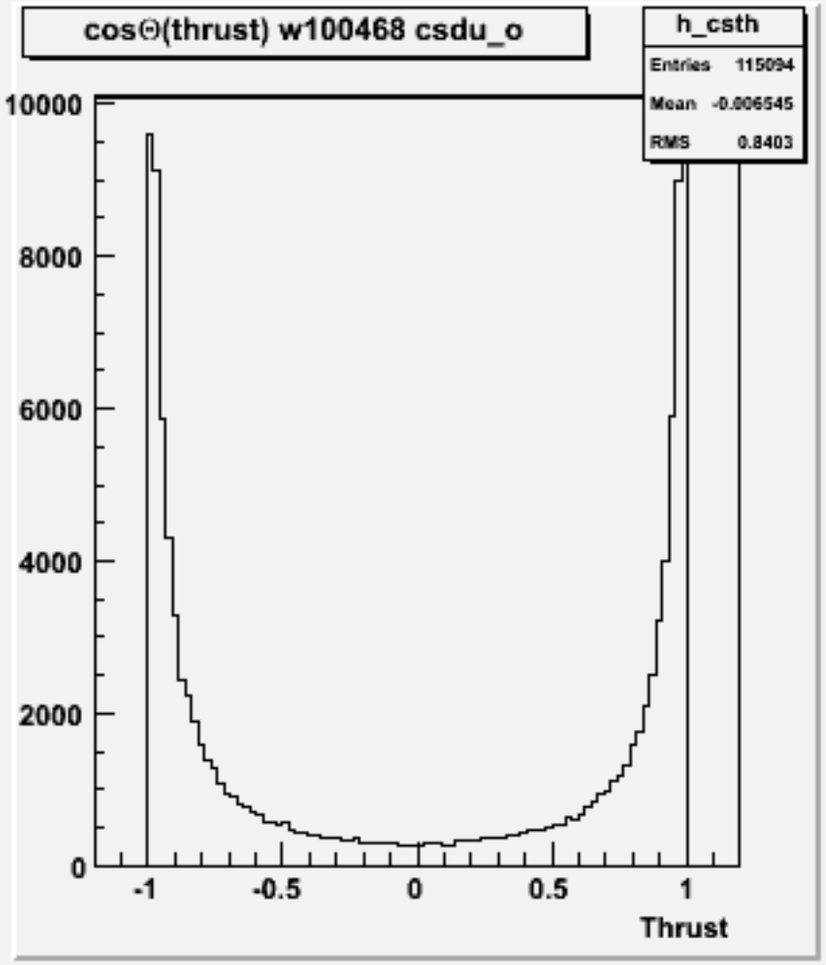

Total Energy (inc. ν): w100468 csdu_o
h_etotc
Entries 104713
Mean 348.7
RMS 2.306
Total Energy(GeV)

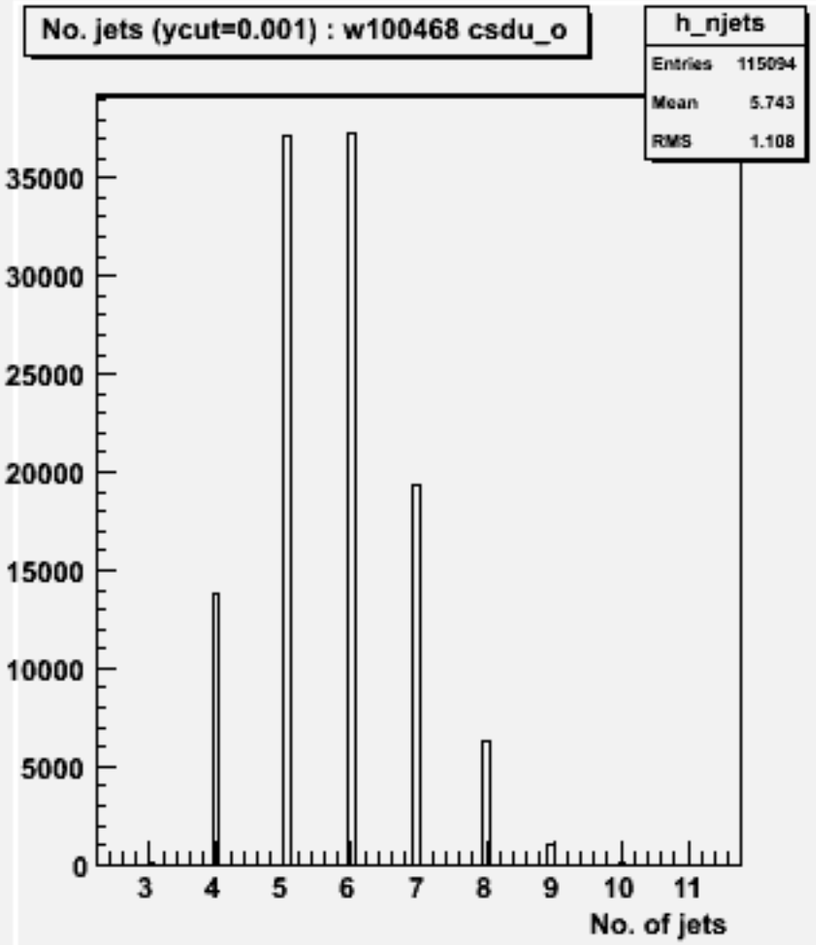

Total Energy (w/o ν): w100468 csdu_o
h_evis
Entries 115094
Mean 345.7
RMS 8.347
Energy(GeV)

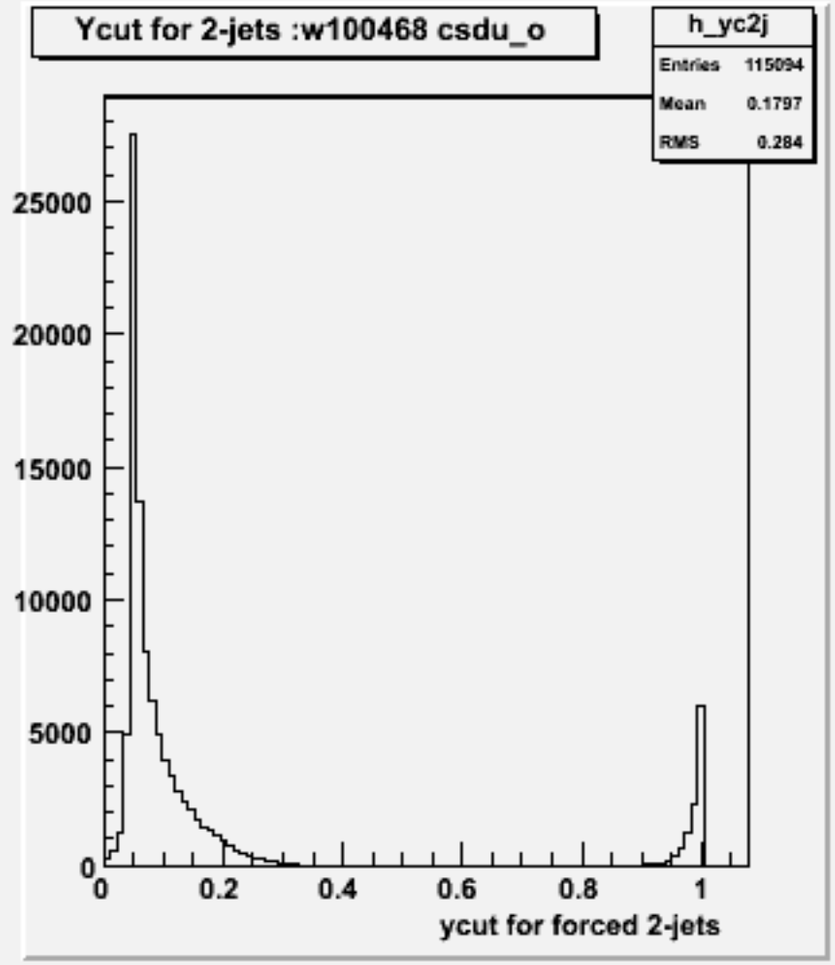

Pt Sum: w100468 csdu_o
h_pt
Entries 115094
Mean 0.9128
RMS 3.159
Pt(sum) (GeV)

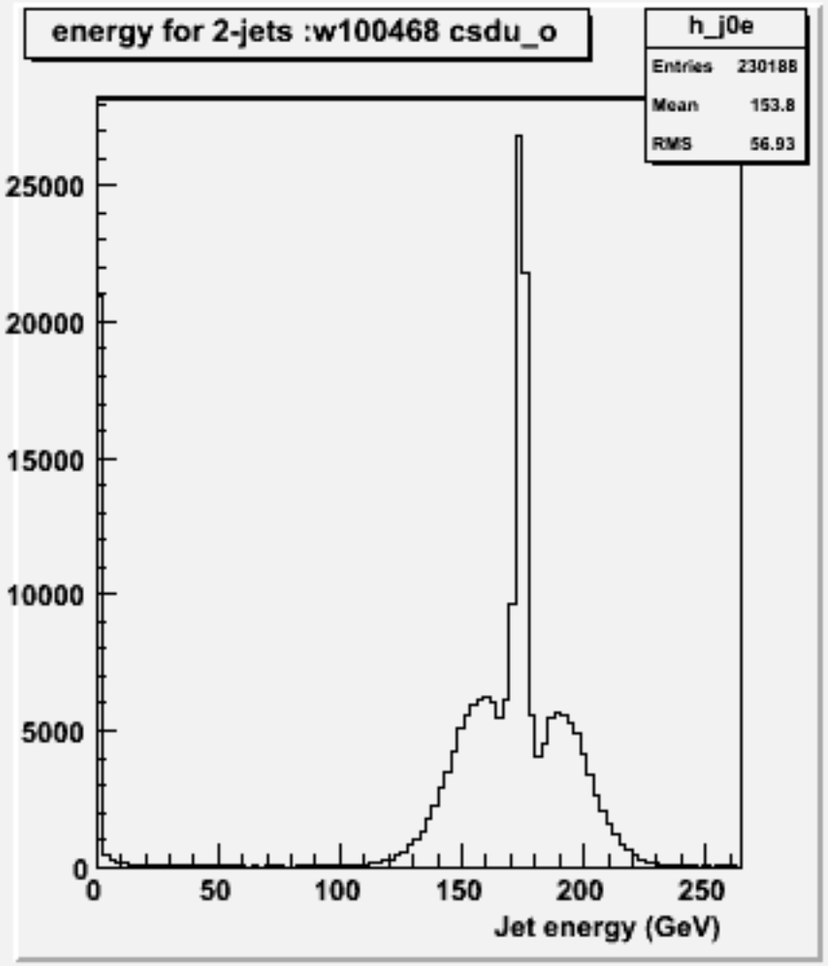

Pz Sum: w100468 csdu_o
h_pz
Entries 115094
Mean 0.5439
RMS 7.579
Pz(sum) (GeV)

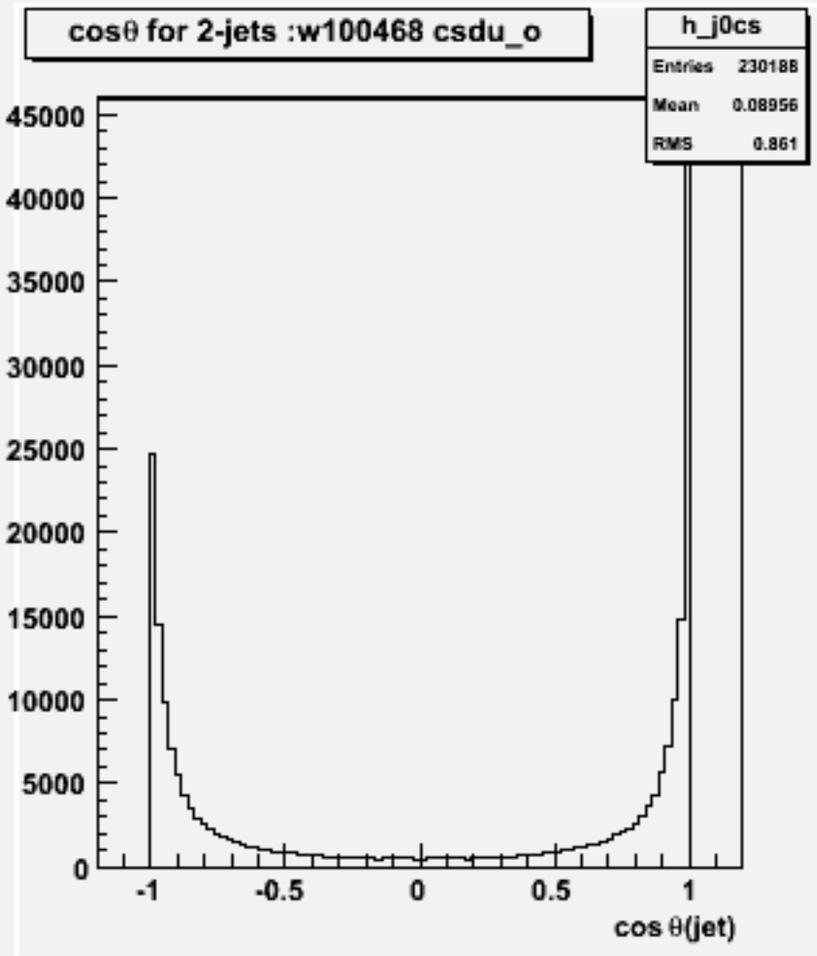

Thrust w100468 csdu_o
h_thrust
Entries 115094
Mean 0.8768
RMS 0.0506
Thrust

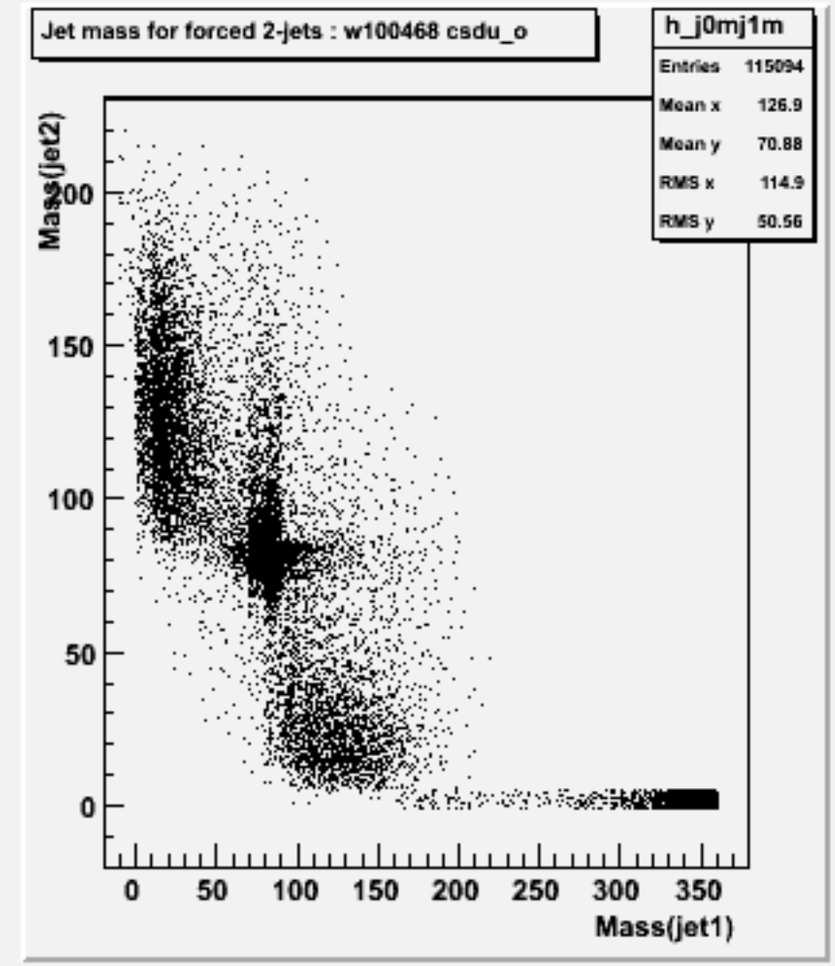

cosΘ(thrust) w100468 csdu_o
h_csth
Entries 115094
Mean -0.006545
RMS 0.8403
Thrust

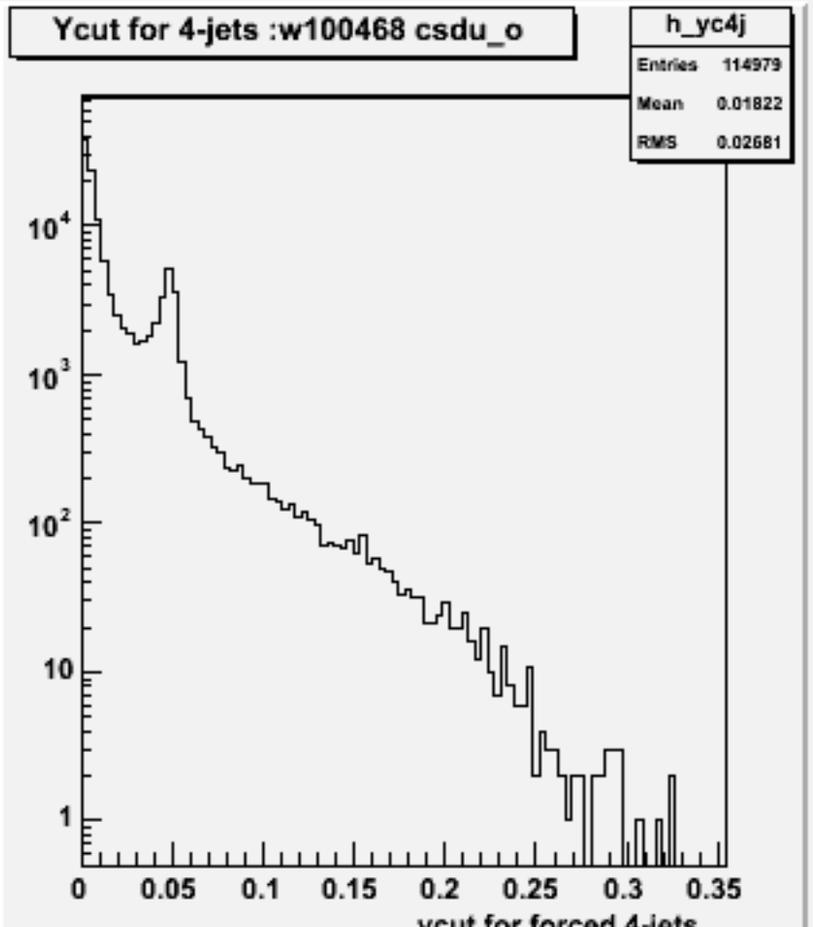

No. jets (ycut=0.001) : w100468 csdu_o
h_njets
Entries 115094
Mean 5.743
RMS 1.108
No. of jets

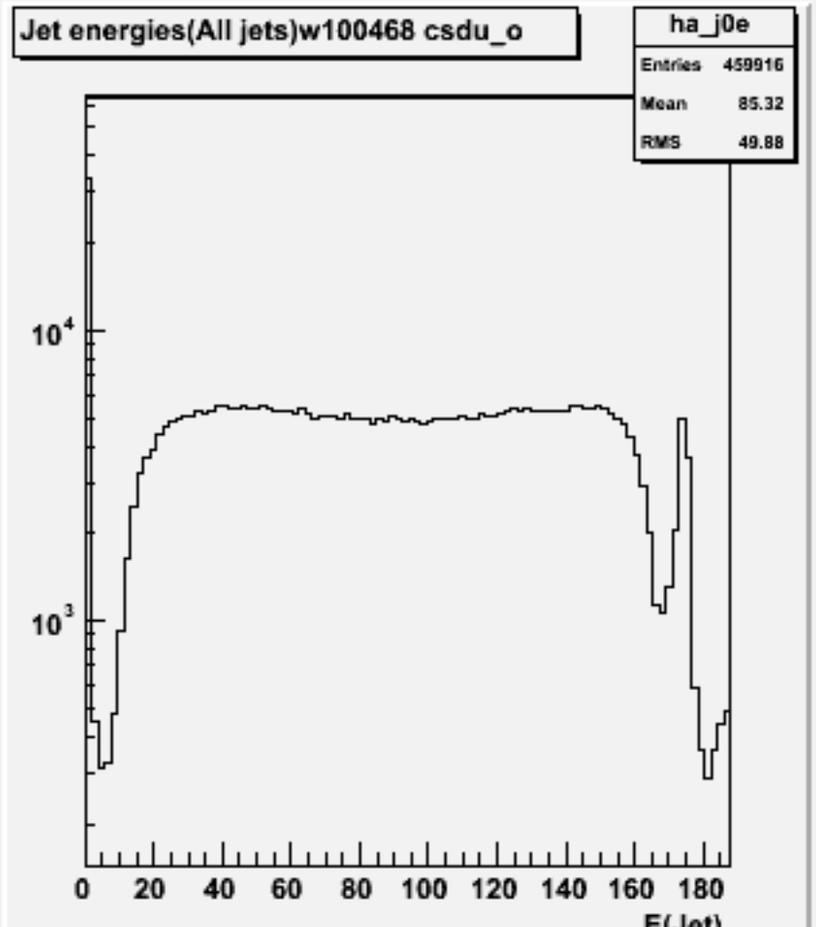

Ycut for 2-jets :w100468 csdu_o
h_yc2j
Entries 115094
Mean 0.1797
RMS 0.284
ycut for forced 2-jets

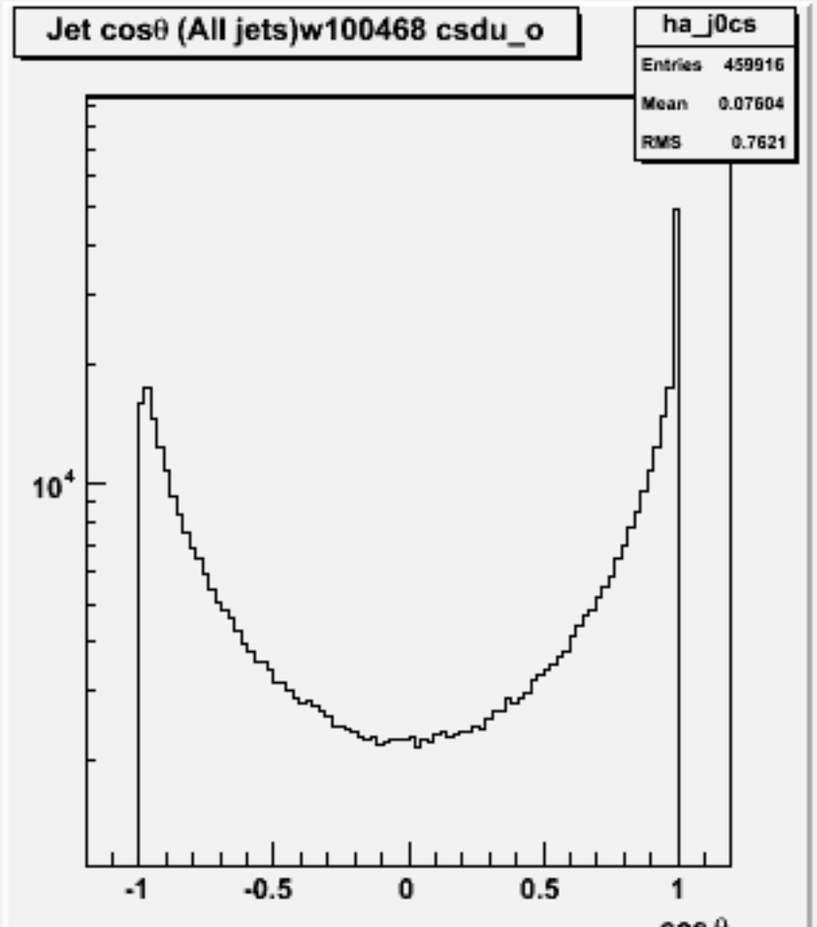

energy for 2-jets :w100468 csdu_o
h_j0e
Entries 230188
Mean 153.8
RMS 56.93
Jet energy (GeV)

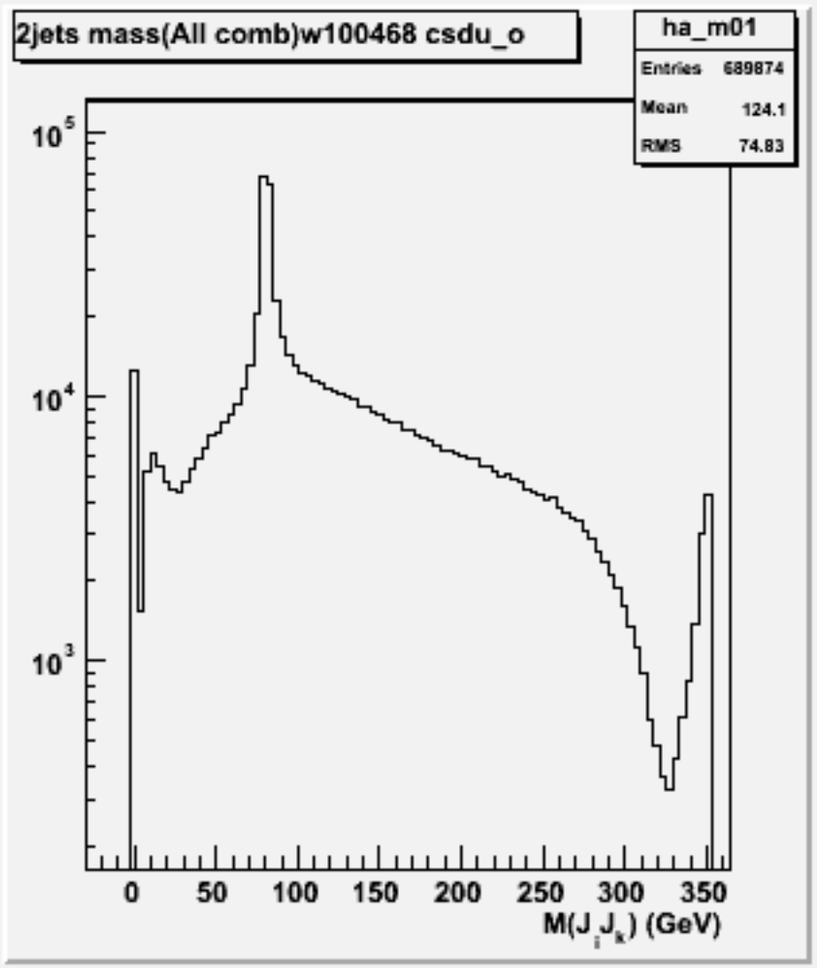

cosθ for 2-jets :w100468 csdu_o
h_j0cs
Entries 230188
Mean 0.08956
RMS 0.861
cos θ(jet)

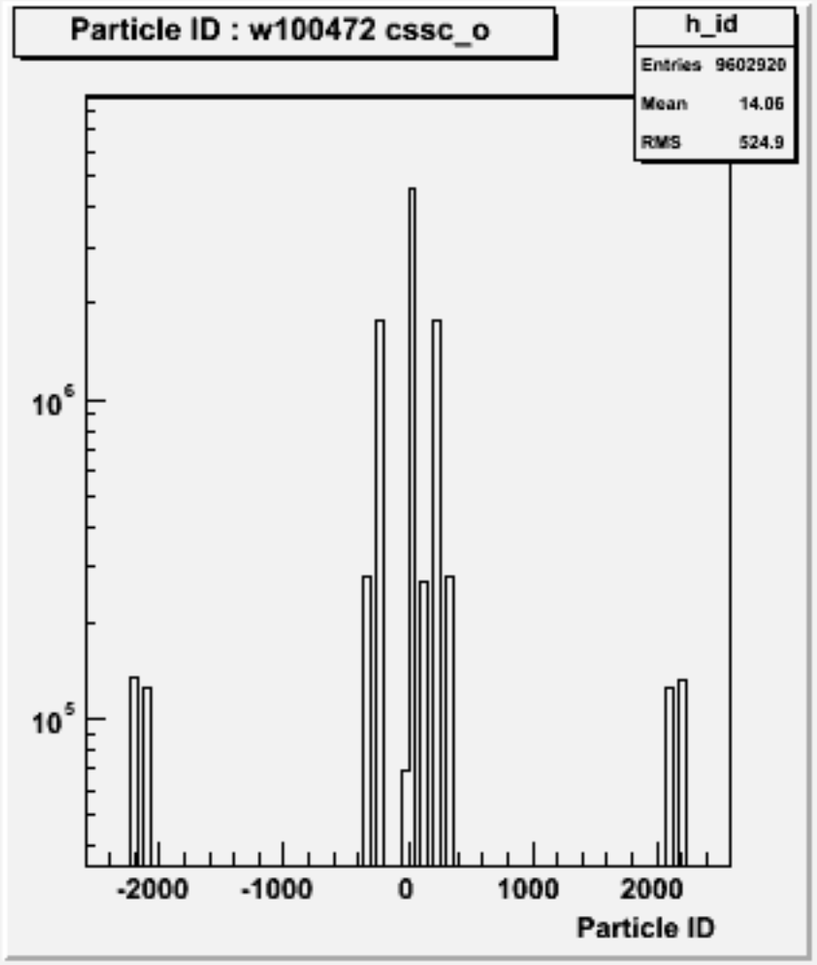

Jet mass for forced 2-jets : w100468 csdu_o
h_j0mj1m
Entries 115094
Mean x 126.9
Mean y 70.88
RMS x 114.9
RMS y 50.56
Mass(jet2)
Mass(jet1)

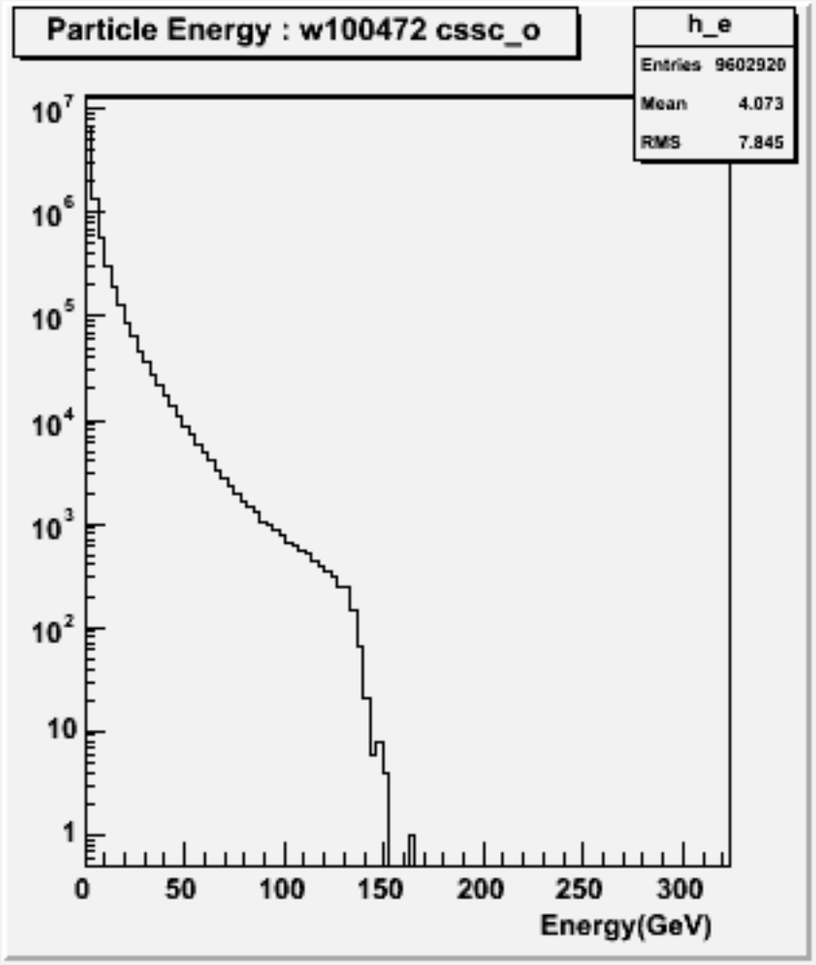

Ycut for 4-jets :w100468 csdu_o
h_yc4j
Entries 114979
Mean 0.01822
RMS 0.02681
ycut for forced 4-jets

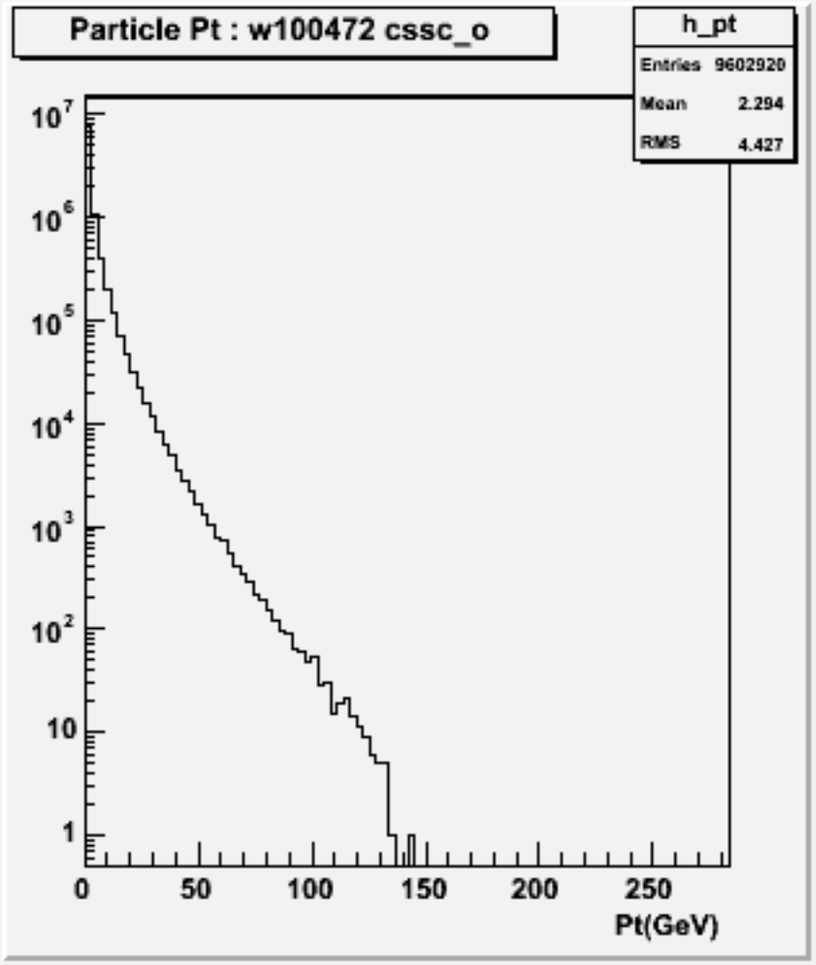

Jet energies(All jets)w100468 csdu_o
ha_j0e
Entries 459916
Mean 85.32
RMS 49.88
E(Jet)

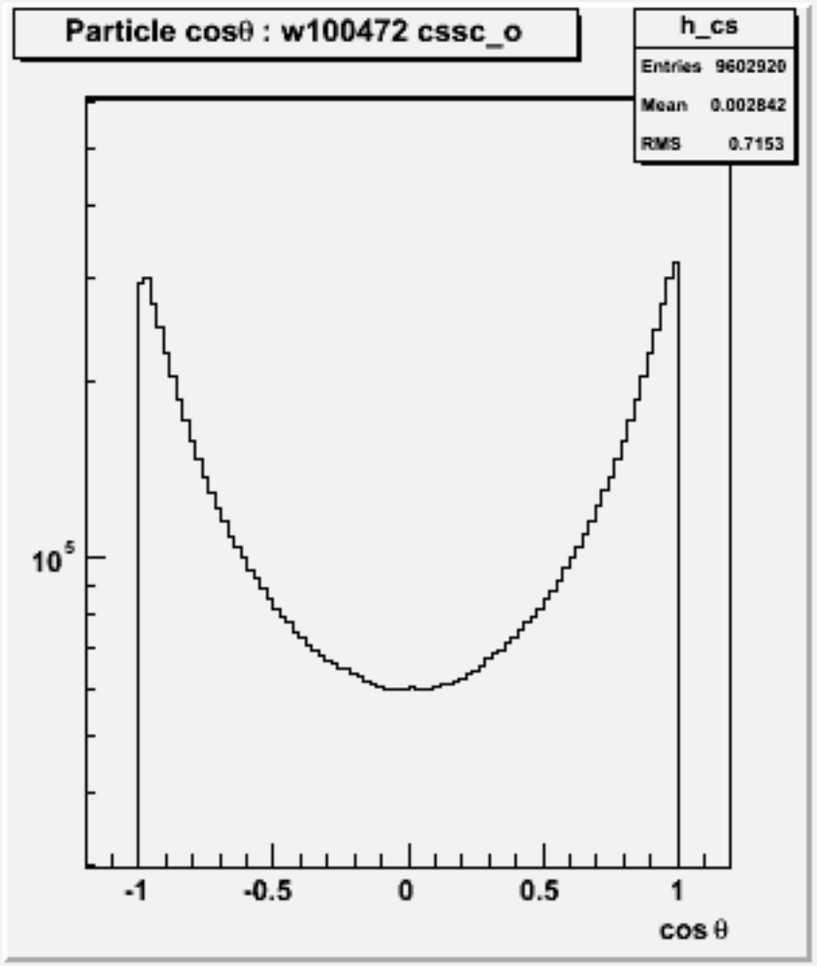

Jet cosθ (All jets)w100468 csdu_o
ha_j0cs
Entries 459916
Mean 0.07604
RMS 0.7621
cos θ

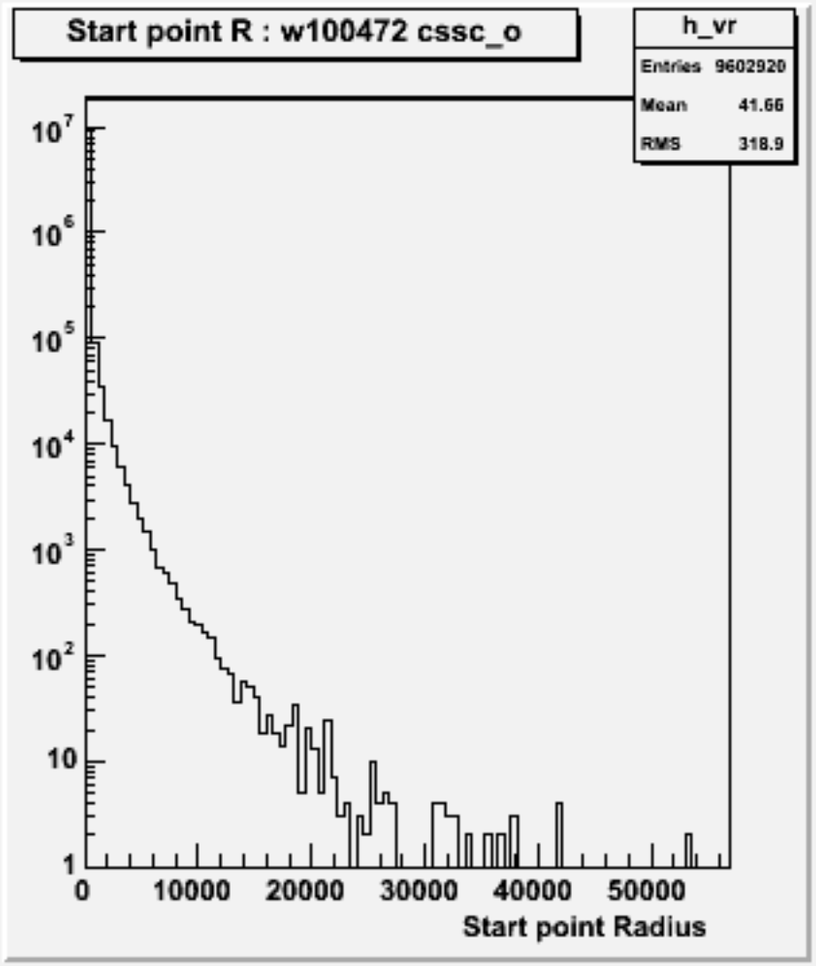

2jets mass(All comb)w100468 csdu_o
ha_m01
Entries 689874
Mean 124.1
RMS 74.83
M(J_iJ_k) (GeV)

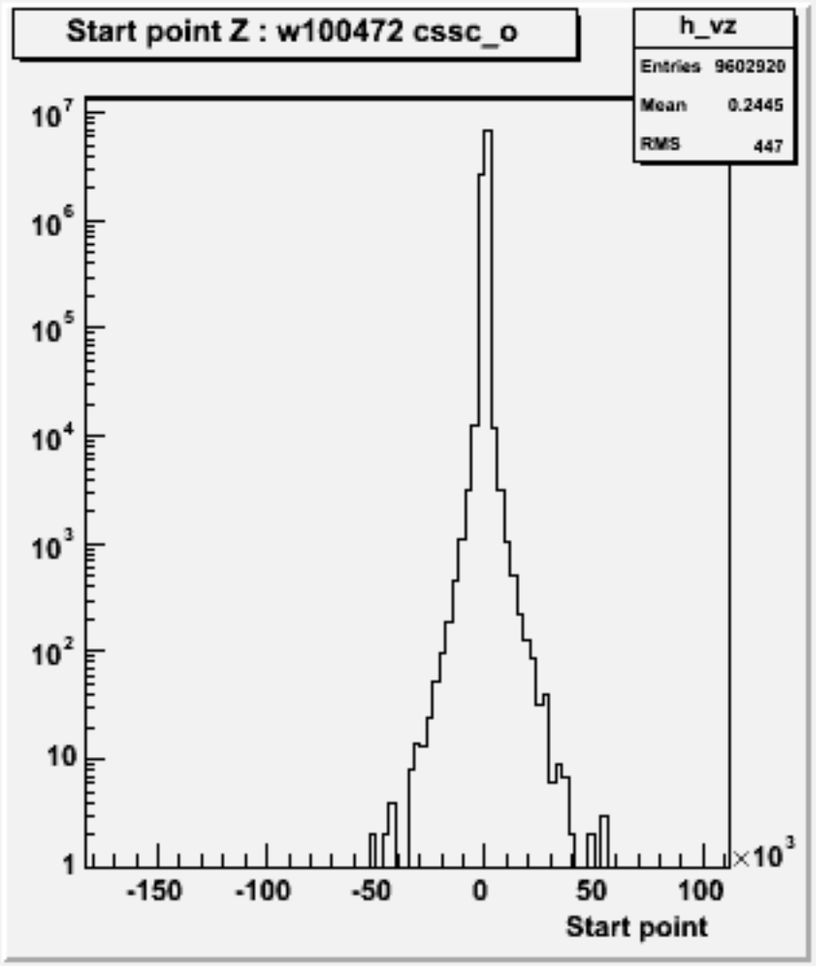

Particle ID : w100472 cssc_o
h_id
Entries 9602920
Mean 14.06
RMS 524.9
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

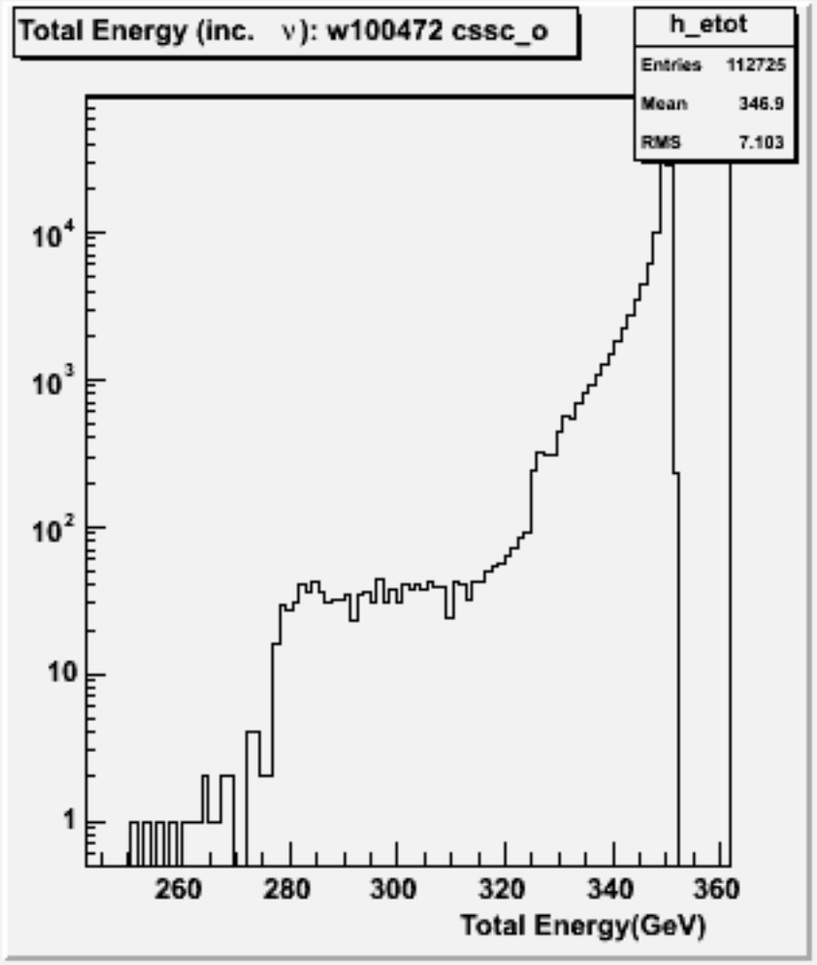

Particle Energy : w100472 cssc_o
h_e
Entries 9602920
Mean 4.073
RMS 7.845
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
300
Energy(GeV)

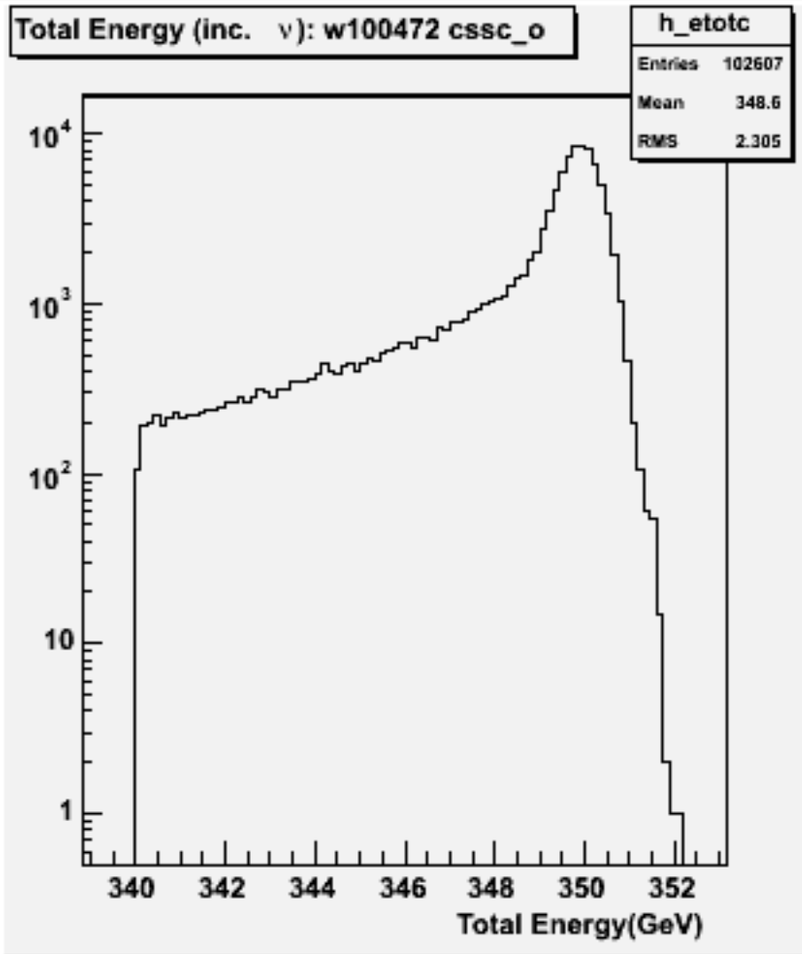

Particle Pt : w100472 cssc_o
h_pt
Entries 9602920
Mean 2.294
RMS 4.427
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Pt(GeV)

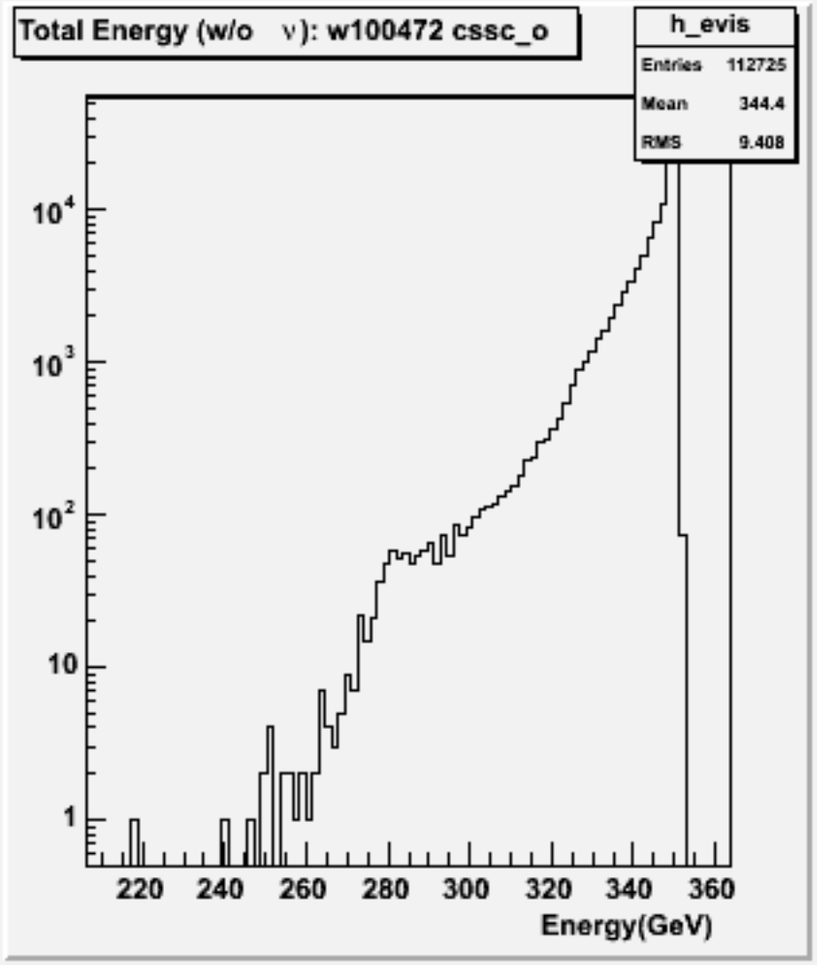

Particle cosθ : w100472 cssc_o
h_cs
Entries 9602920
Mean 0.002842
RMS 0.7153
10^5
-1
-0.5
0
0.5
1
cos θ

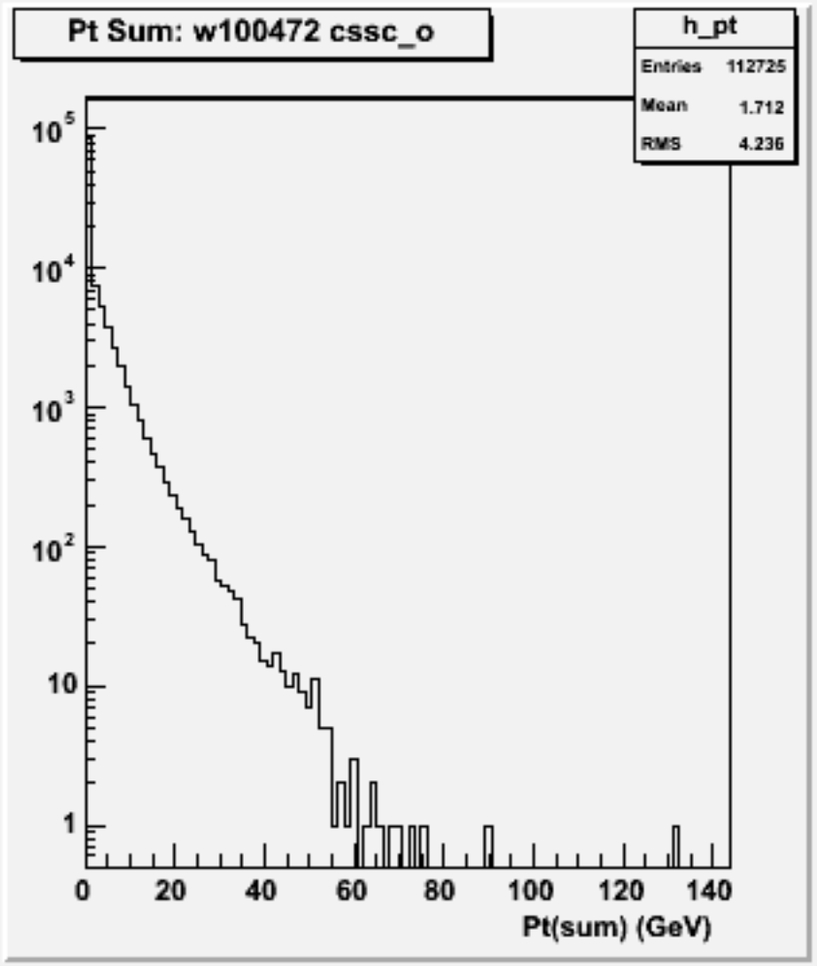

Start point R : w100472 cssc_o
h_vr
Entries 9602920
Mean 41.66
RMS 318.9
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
Start point Radius

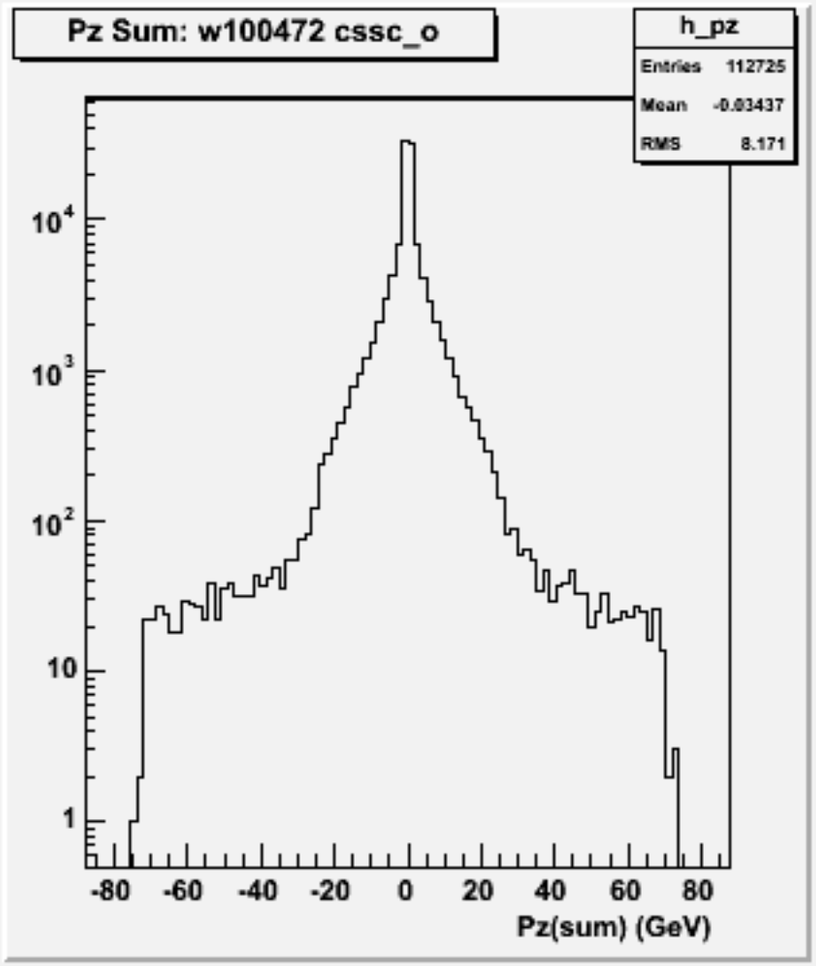

Start point Z : w100472 cssc_o
h_vz
Entries 9602920
Mean 0.2445
RMS 447
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-150
-100
-50
0
50
100
$\times 10^3$
Start point

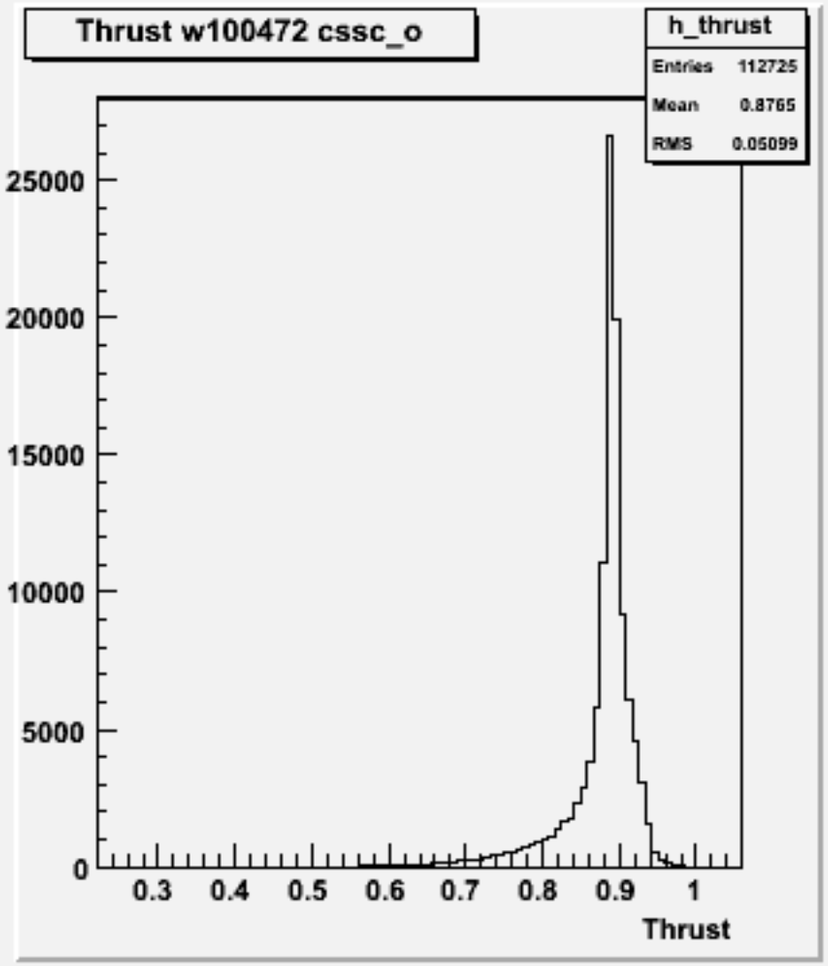

Total Energy (inc. ν): w100472 cssc_o
h_etot
Entries 112725
Mean 346.9
RMS 7.103
Total Energy(GeV)

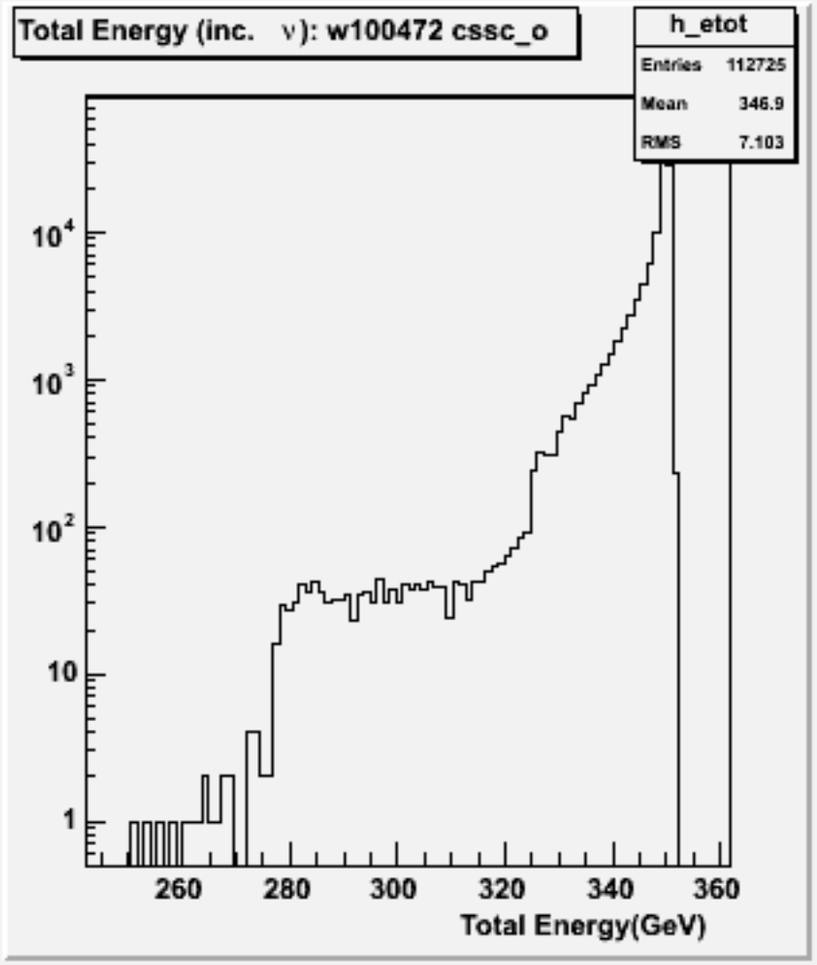

Total Energy (inc. ν): w100472 cssc_o
h_etotc
Entries 102607
Mean 348.6
RMS 2.305
Total Energy(GeV)

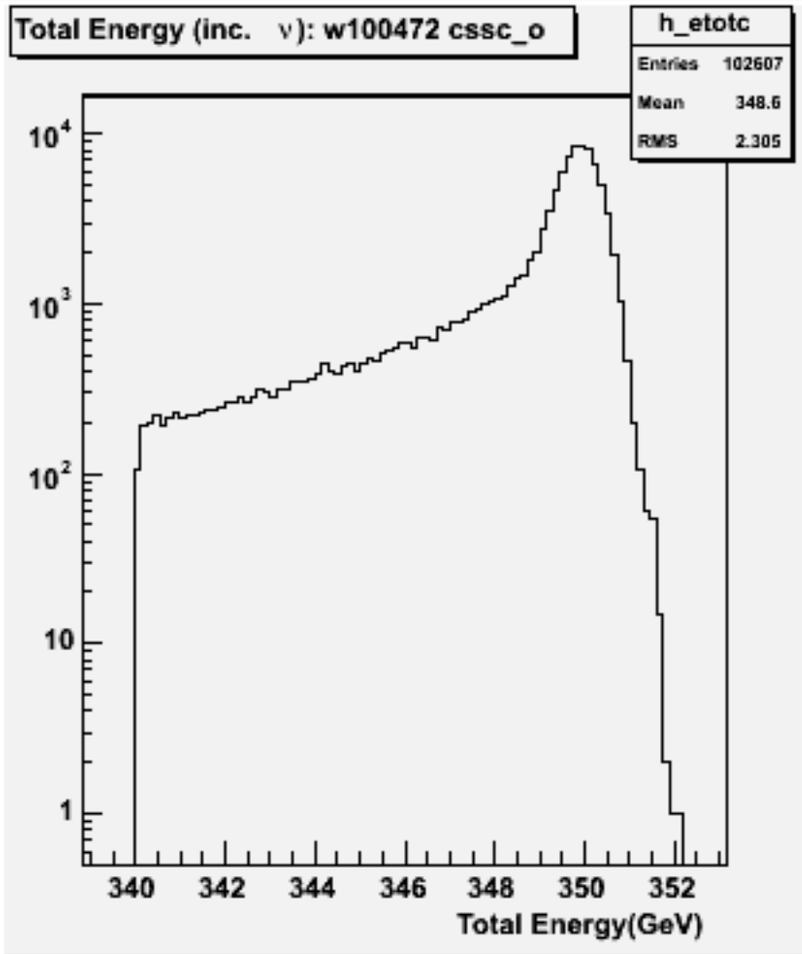

Total Energy (w/o ν): w100472 cssc_o
h_evis
Entries 112725
Mean 344.4
RMS 9.408
Energy(GeV)

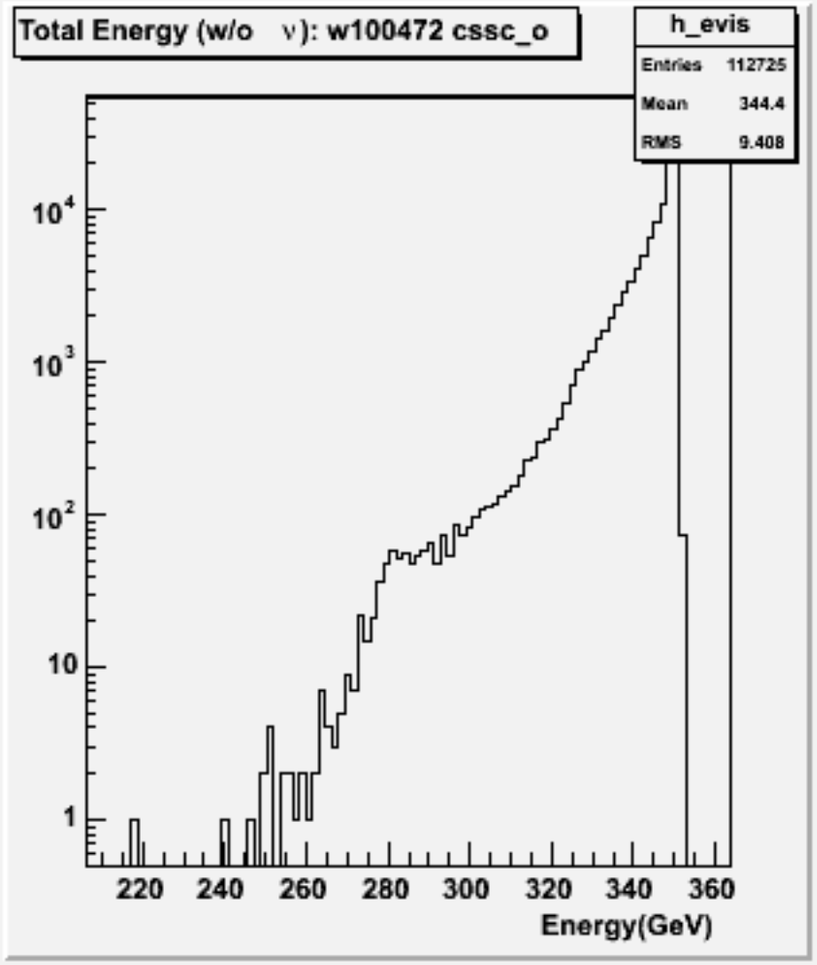

Pt Sum: w100472 cssc_o
h_pt
Entries 112725
Mean 1.712
RMS 4.236
Pt(sum) (GeV)

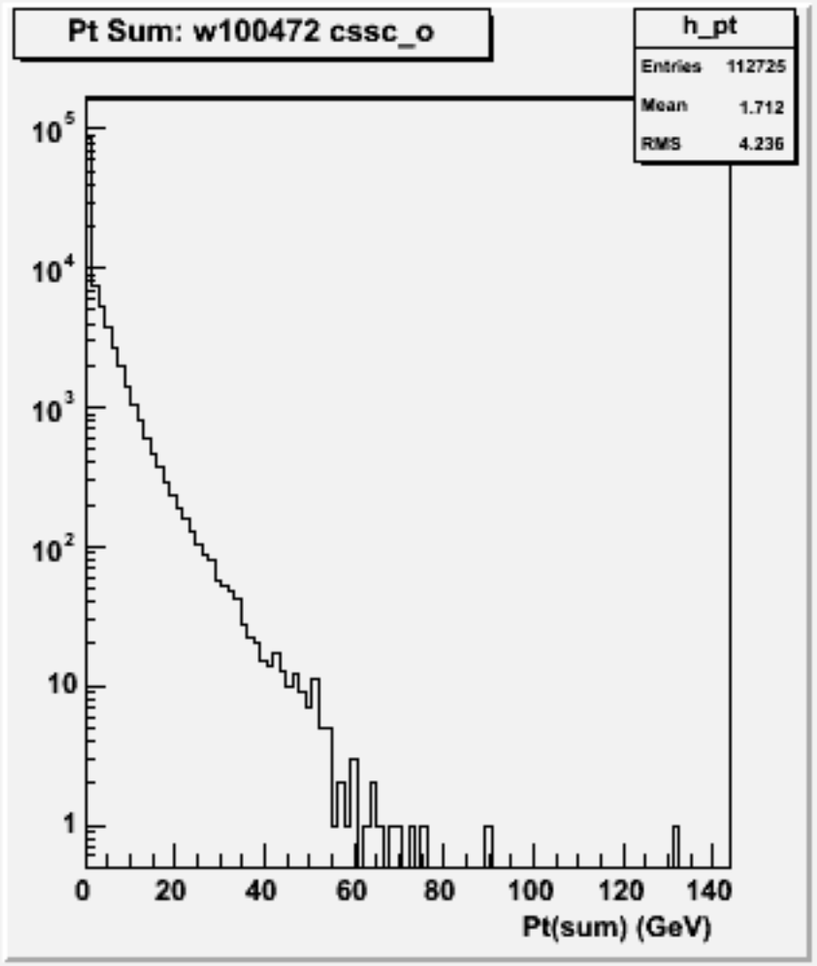

Pz Sum: w100472 cssc_o
h_pz
Entries 112725
Mean -0.03437
RMS 8.171
Pz(sum) (GeV)

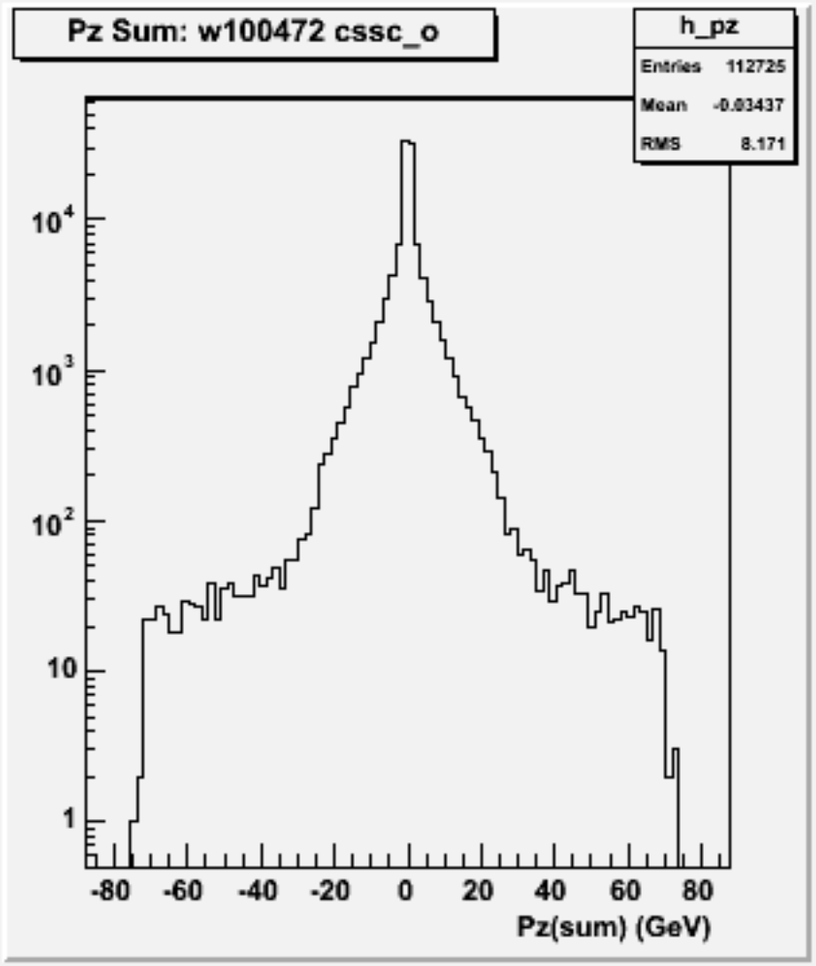

Thrust w100472 cssc_o
h_thrust
Entries 112725
Mean 0.8765
RMS 0.05099
Thrust

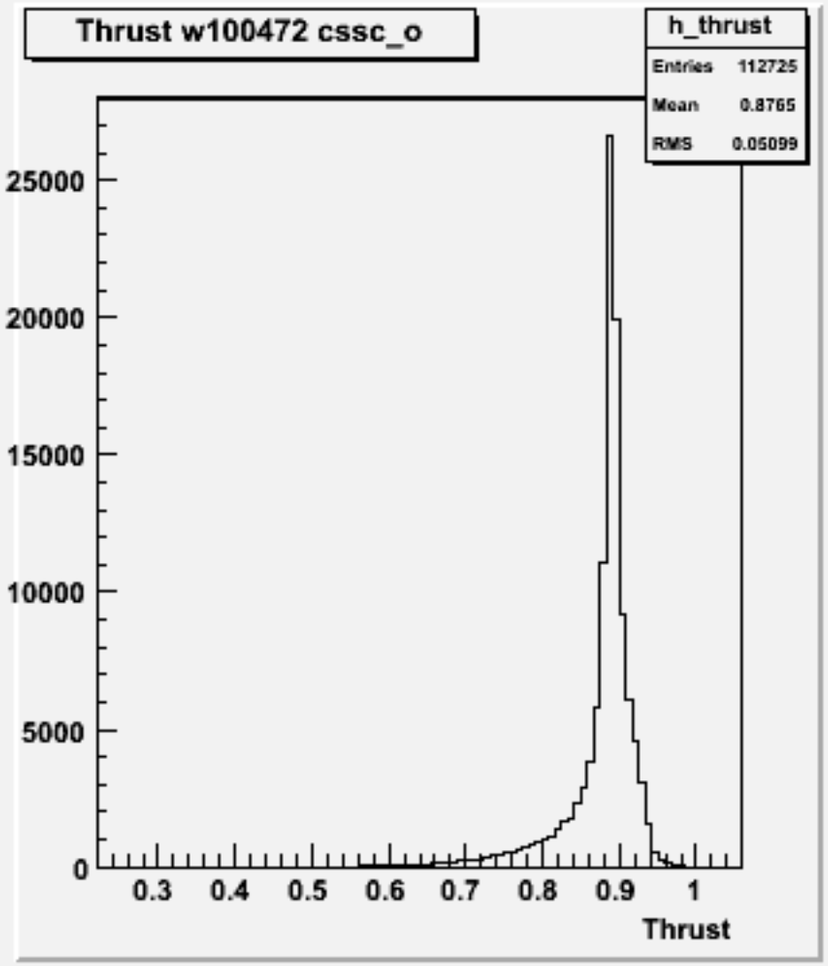

Total Energy (inc. ν): w100472 cssc_o
h_etot
Entries 112725
Mean 346.9
RMS 7.103
Total Energy(GeV)

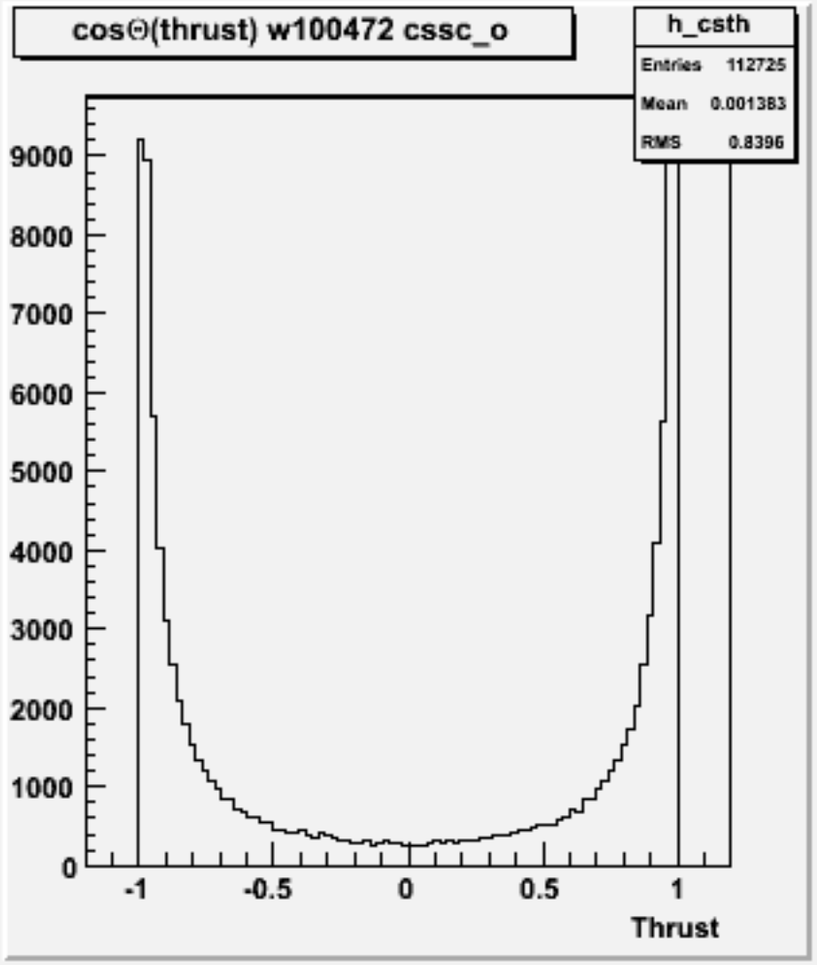

Total Energy (inc. ν): w100472 cssc_o
h_etotc
Entries 102607
Mean 348.6
RMS 2.305
Total Energy(GeV)

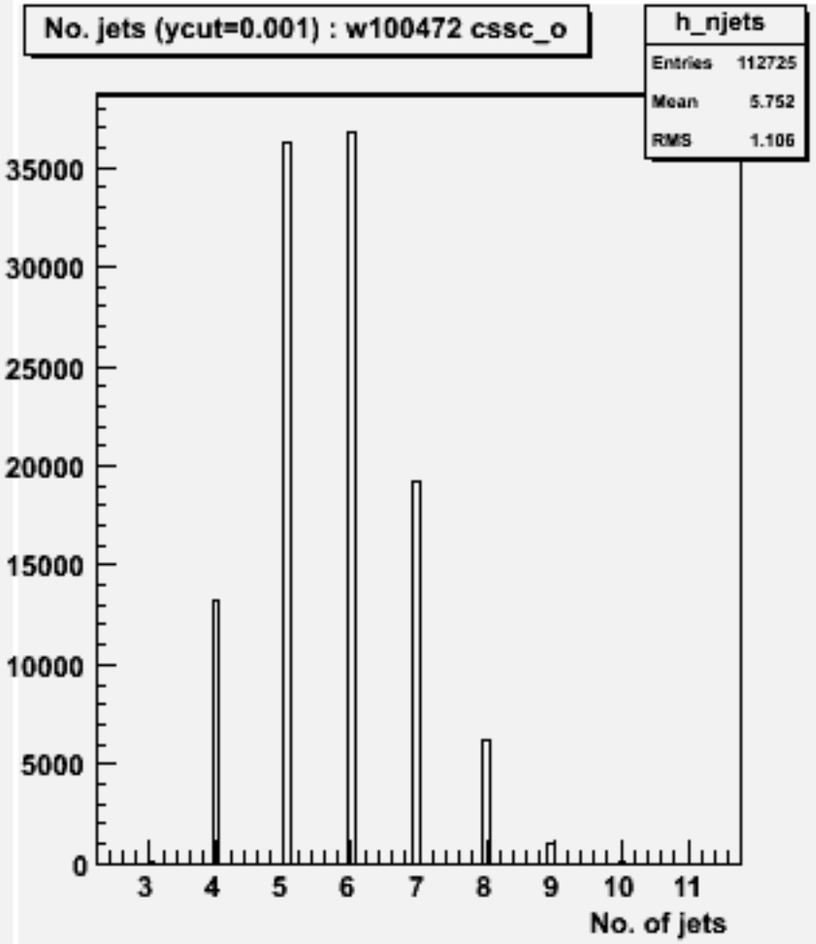

Total Energy (w/o ν): w100472 cssc_o
h_evis
Entries 112725
Mean 344.4
RMS 9.408
Energy(GeV)

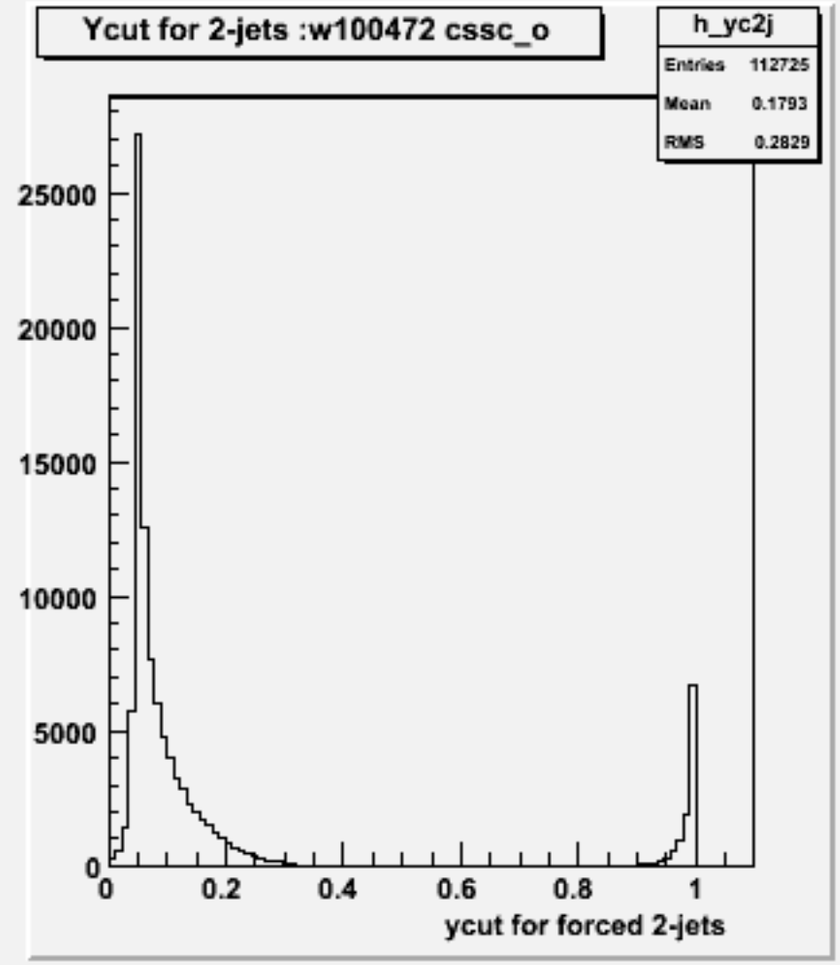

Pt Sum: w100472 cssc_o
h_pt
Entries 112725
Mean 1.712
RMS 4.236
Pt(sum) (GeV)

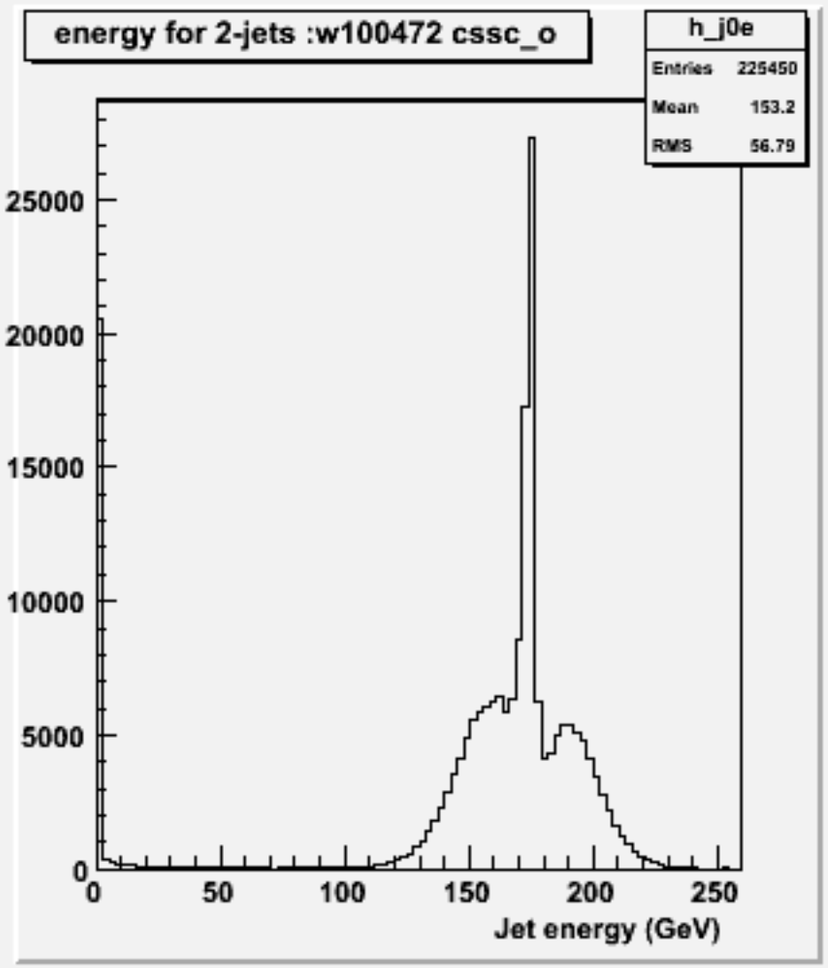

Pz Sum: w100472 cssc_o
h_pz
Entries 112725
Mean -0.03437
RMS 8.171
Pz(sum) (GeV)

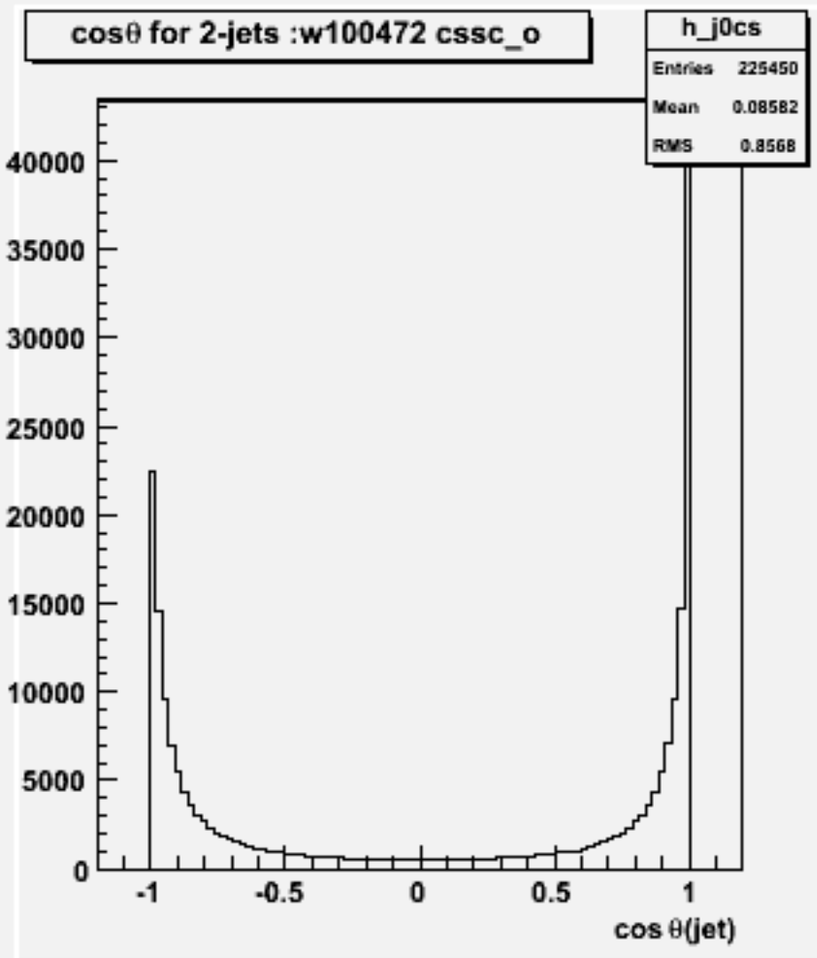

Thrust w100472 cssc_o
h_thrust
Entries 112725
Mean 0.8765
RMS 0.05099
Thrust

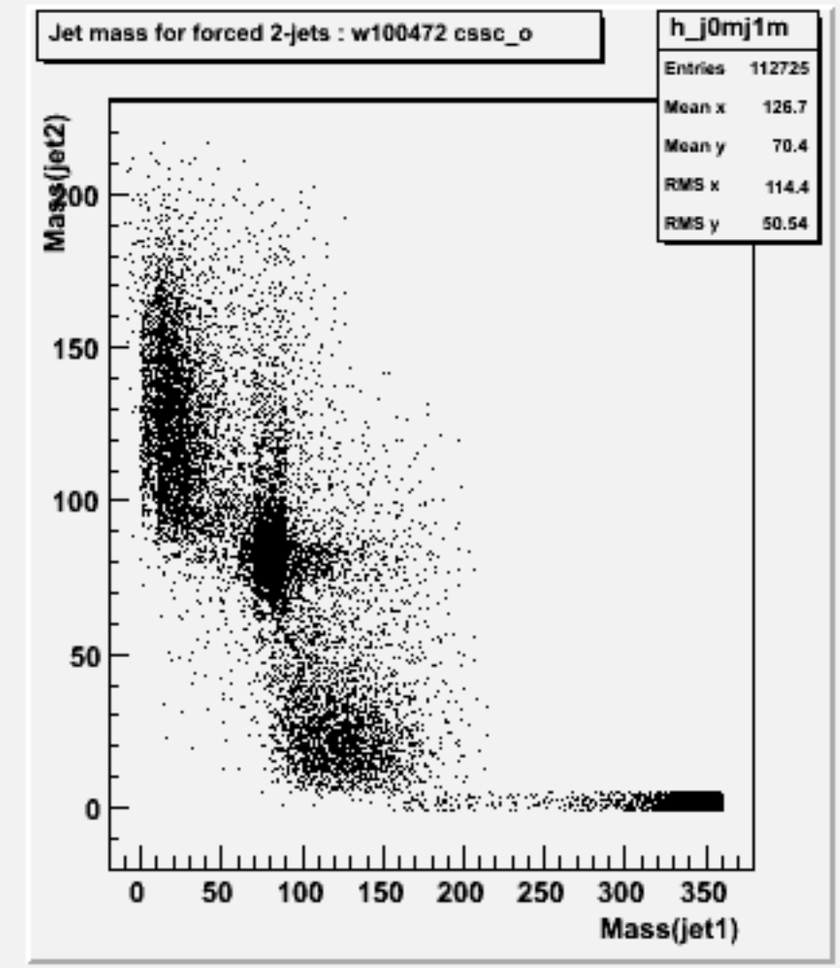

cosΘ(thrust) w100472 cssc_o
h_csth
Entries 112725
Mean 0.001383
RMS 0.8396
Thrust

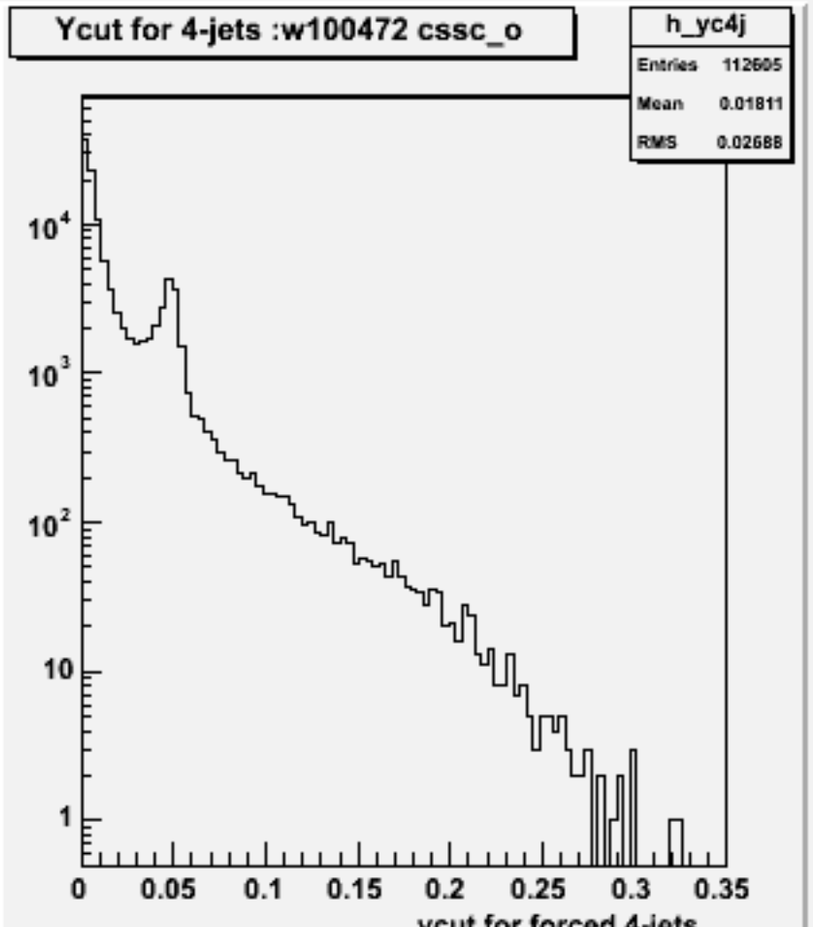

No. jets (ycut=0.001) : w100472 cssc_o
h_njets
Entries 112725
Mean 5.752
RMS 1.106
No. of jets

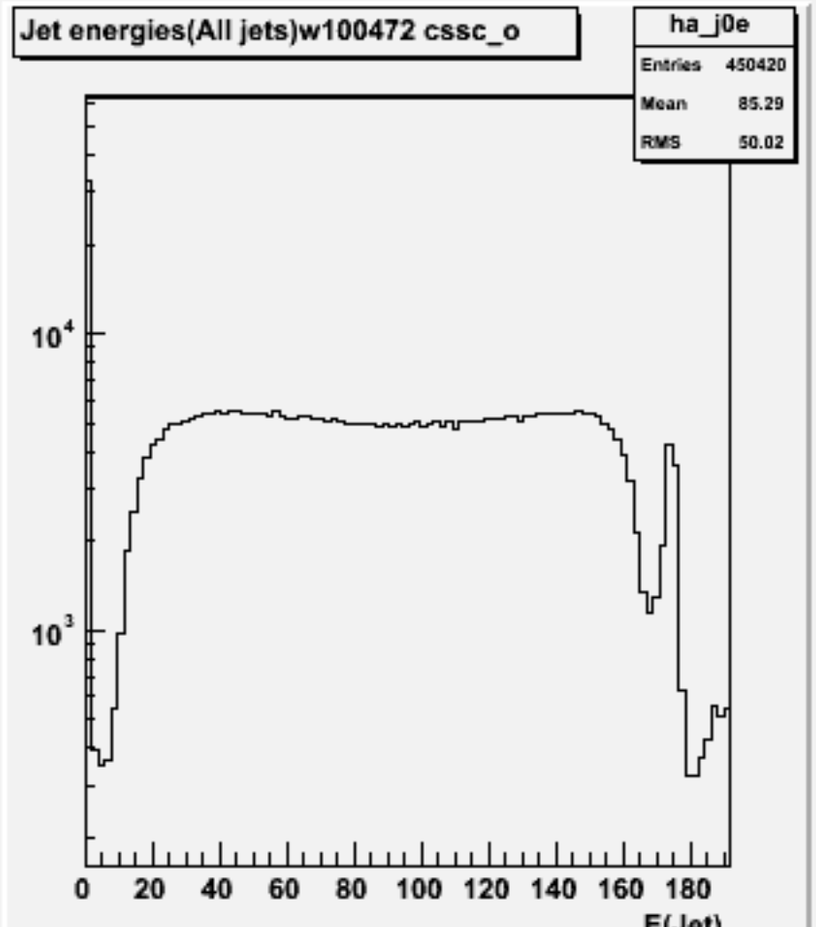

Ycut for 2-jets :w100472 cssc_o
h_yc2j
Entries 112725
Mean 0.1793
RMS 0.2829
ycut for forced 2-jets

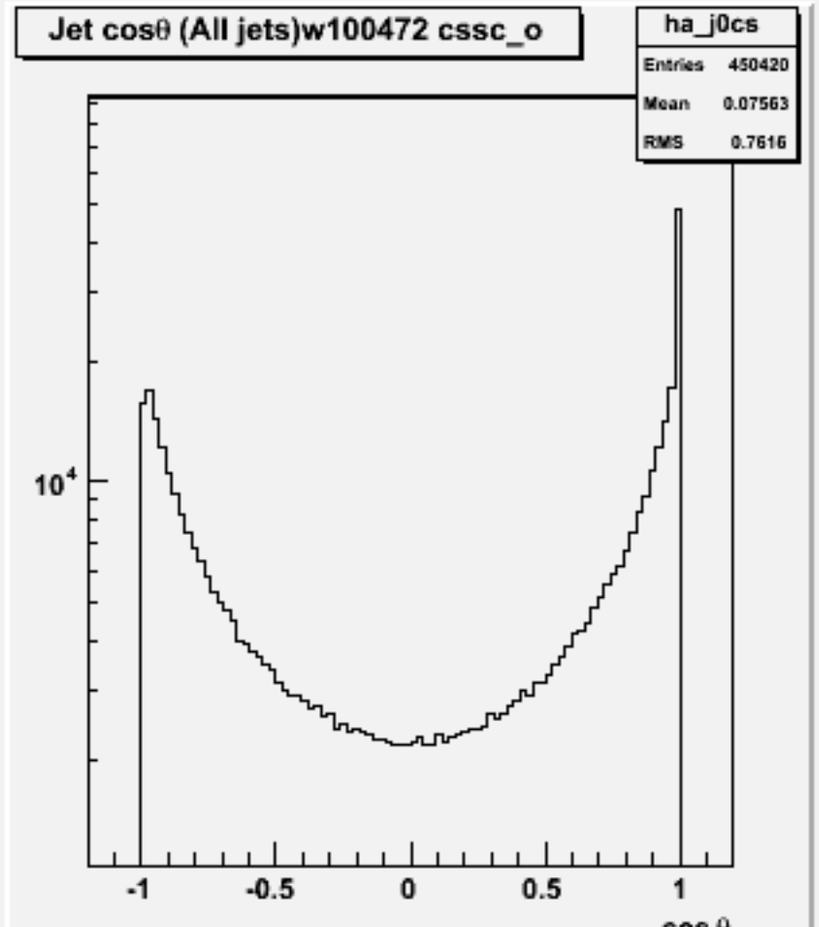

energy for 2-jets :w100472 cssc_o
h_j0e
Entries 225450
Mean 153.2
RMS 56.79
Jet energy (GeV)

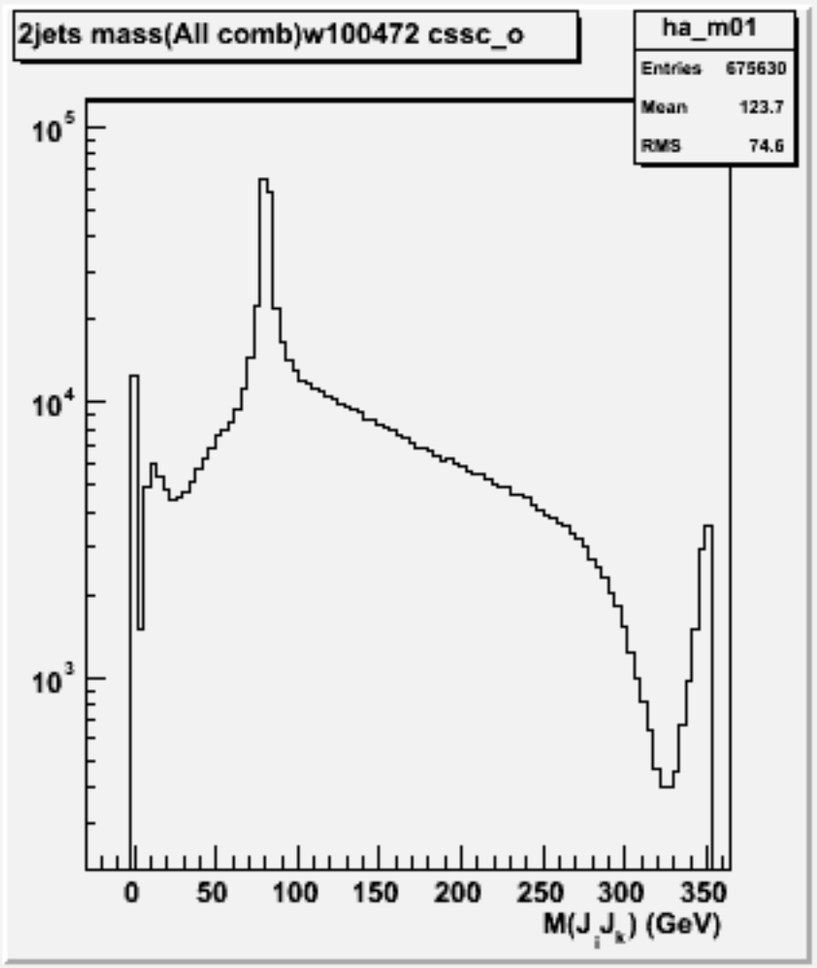

cosθ for 2-jets :w100472 cssc_o
h_j0cs
Entries 225450
Mean 0.08582
RMS 0.8568
cos θ(jet)

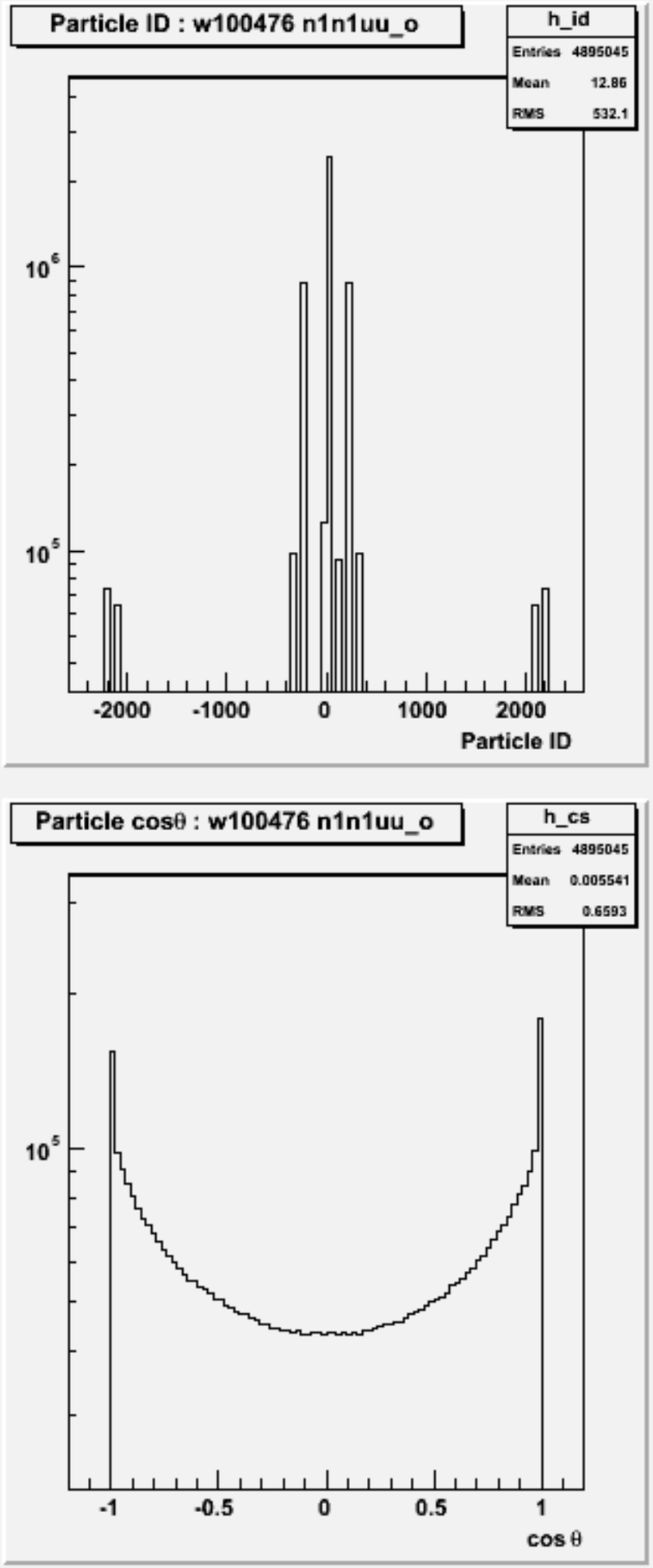

Jet mass for forced 2-jets : w100472 cssc_o
h_j0mj1m
Entries 112725
Mean x 126.7
Mean y 70.4
RMS x 114.4
RMS y 50.54
Mass(jet2)
Mass(jet1)

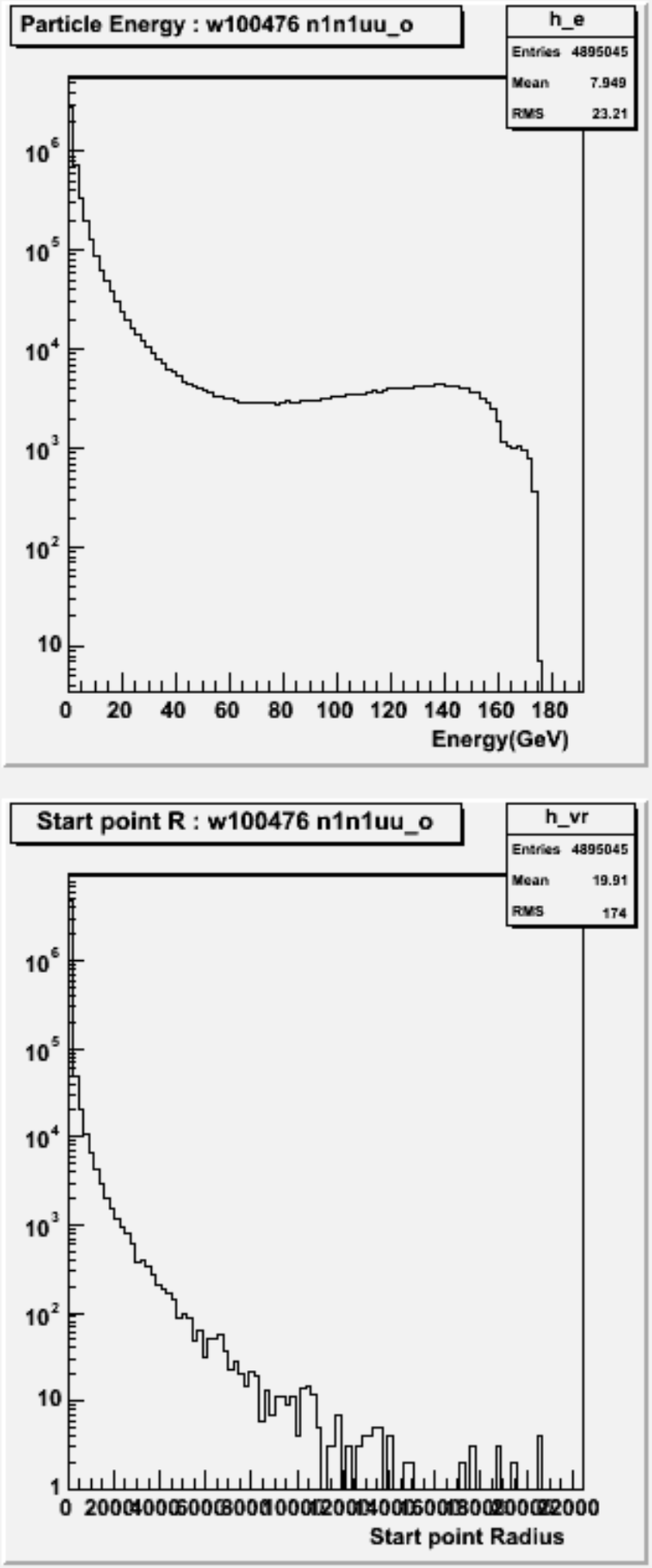

Ycut for 4-jets :w100472 cssc_o
h_yc4j
Entries 112605
Mean 0.01811
RMS 0.02688
ycut for forced 4-jets

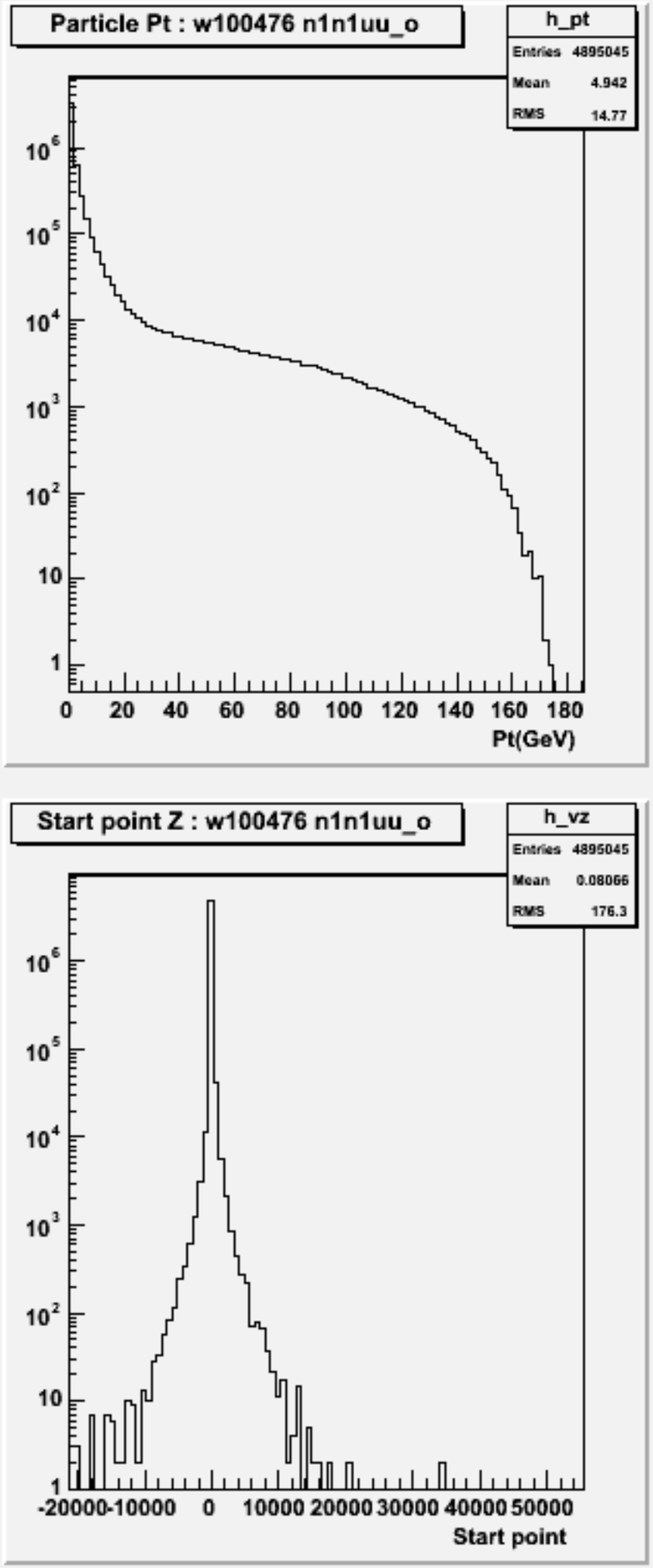

Jet energies(All jets)w100472 cssc_o
ha_j0e
Entries 450420
Mean 85.29
RMS 50.02
E(Jet)


Jet cosθ (All jets)w100472 cssc_o
ha_j0cs
Entries 450420
Mean 0.07563
RMS 0.7616
cos θ


2jets mass(All comb)w100472 cssc_o
ha_m01
Entries 675630
Mean 123.7
RMS 74.6
M(J_iJ_k) (GeV)


Particle ID : w100476 n1n1uu_o
h_id
Entries 4895045
Mean 12.86
RMS 532.1
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

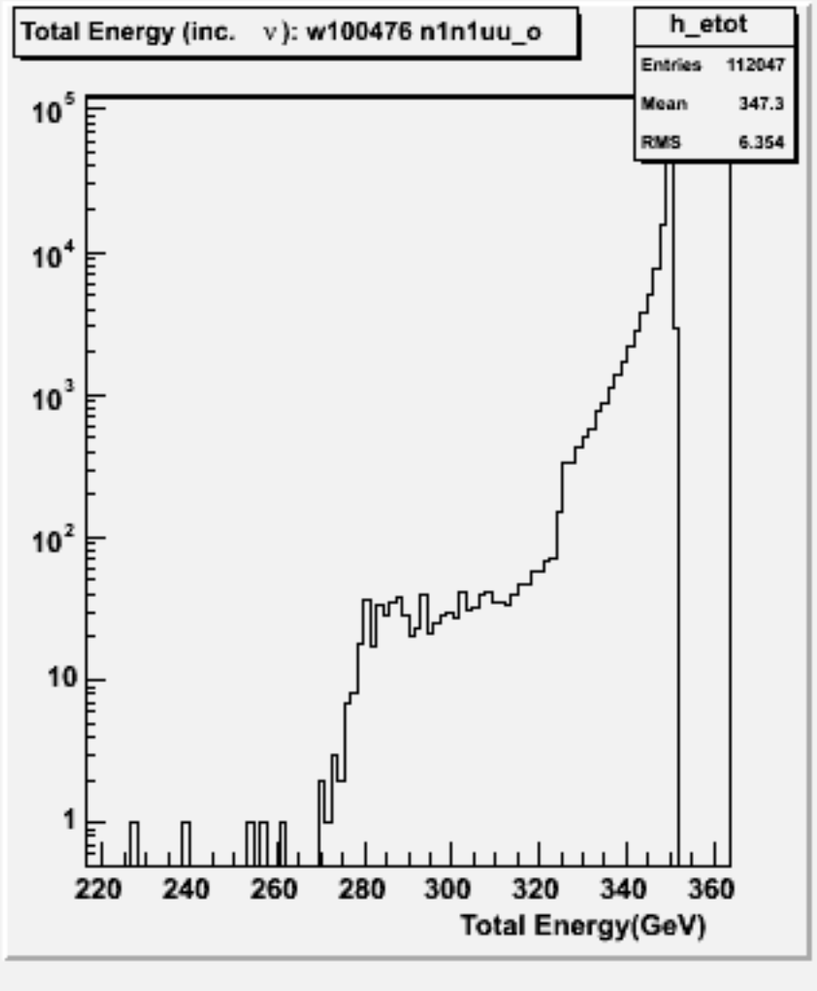

Particle Energy : w100476 n1n1uu_o
h_e
Entries 4895045
Mean 7.949
RMS 23.21
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

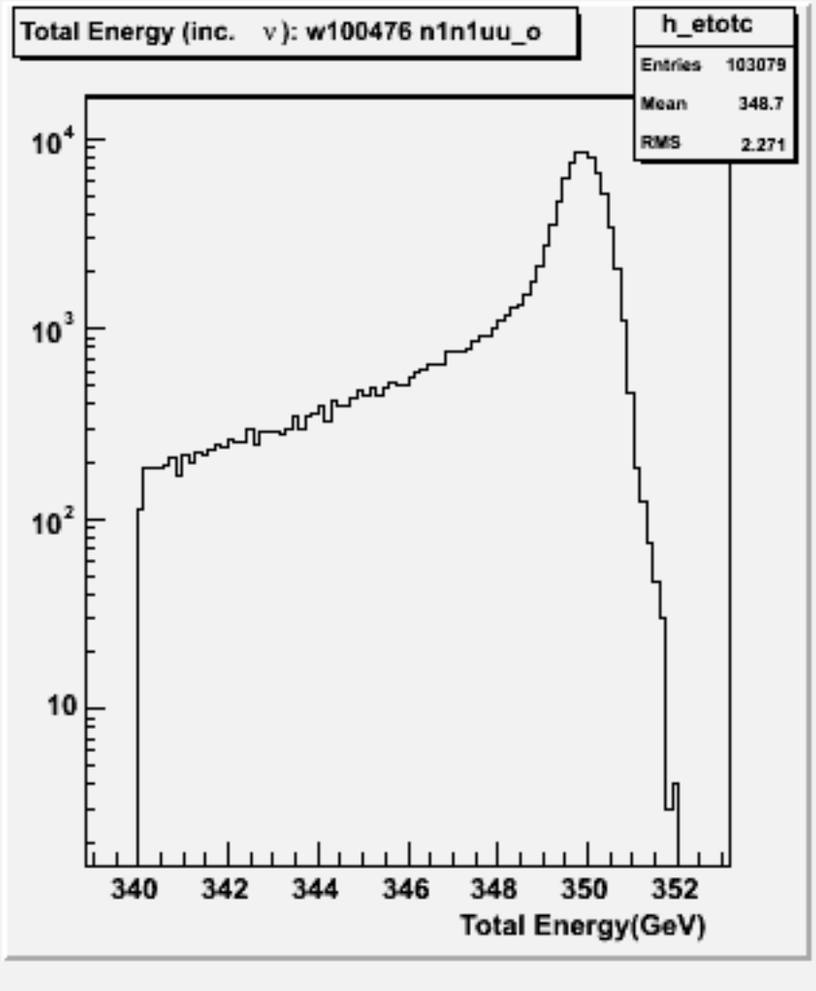

Particle Pt : w100476 n1n1uu_o
h_pt
Entries 4895045
Mean 4.942
RMS 14.77
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

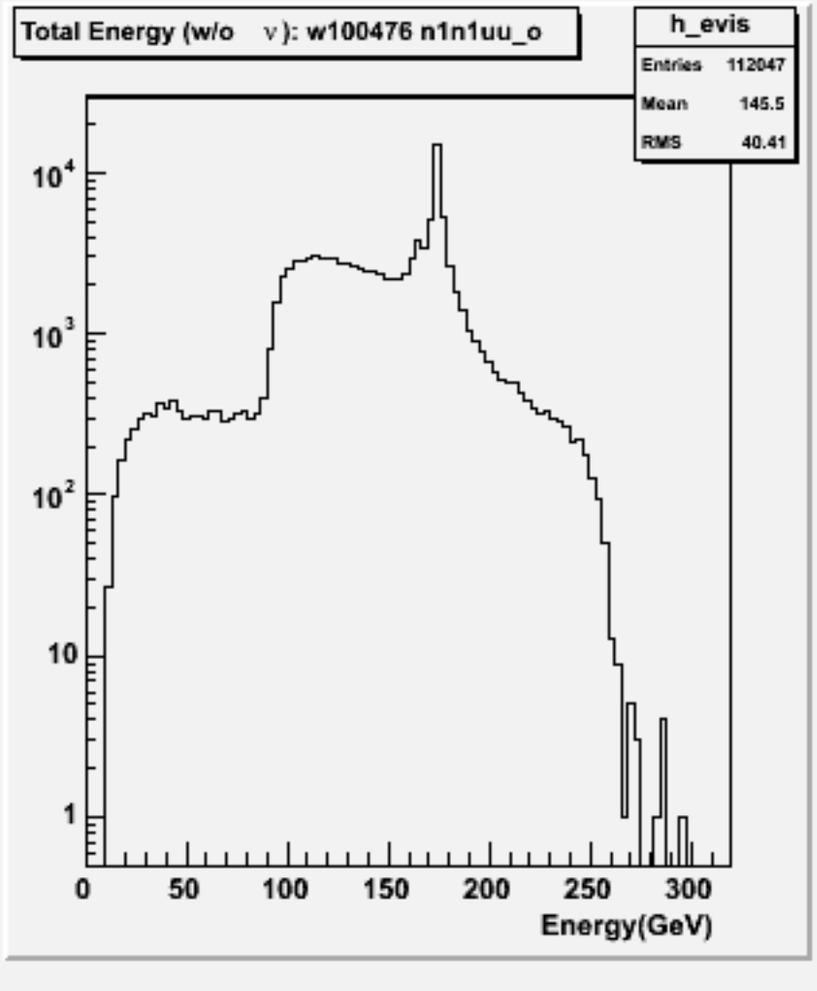
Particle cosθ : w100476 n1n1uu_o
h_cs
Entries 4895045
Mean 0.005541
RMS 0.6593
10^5
-1
-0.5
0
0.5
1
cos θ

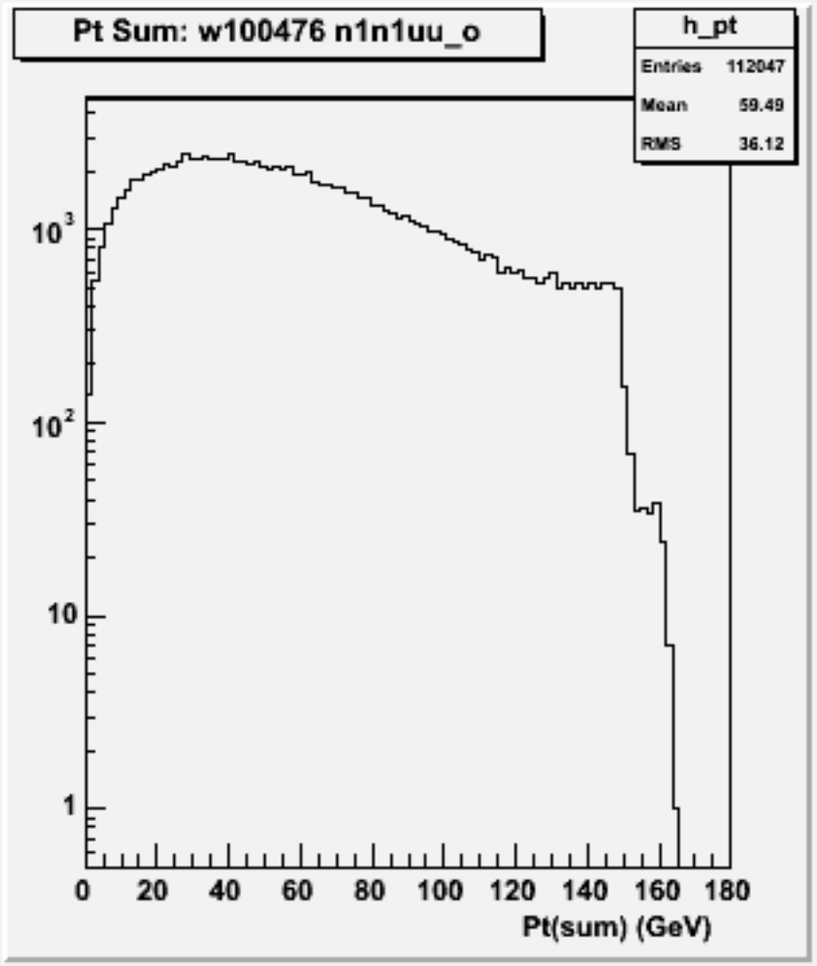
Start point R : w100476 n1n1uu_o
h_vr
Entries 4895045
Mean 19.91
RMS 174
10^6
10^5
10^4
10^3
10^2
10
1
0
Start point Radius

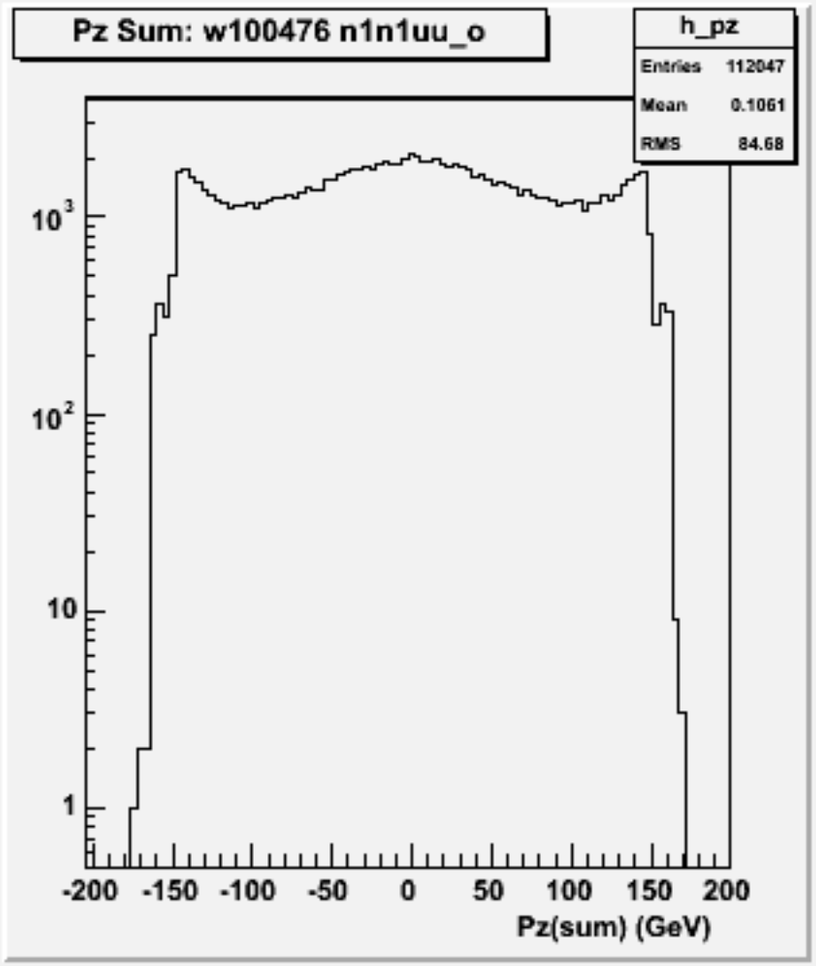
Start point Z : w100476 n1n1uu_o
h_vz
Entries 4895045
Mean 0.08066
RMS 176.3
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
30000
40000
50000
Start point

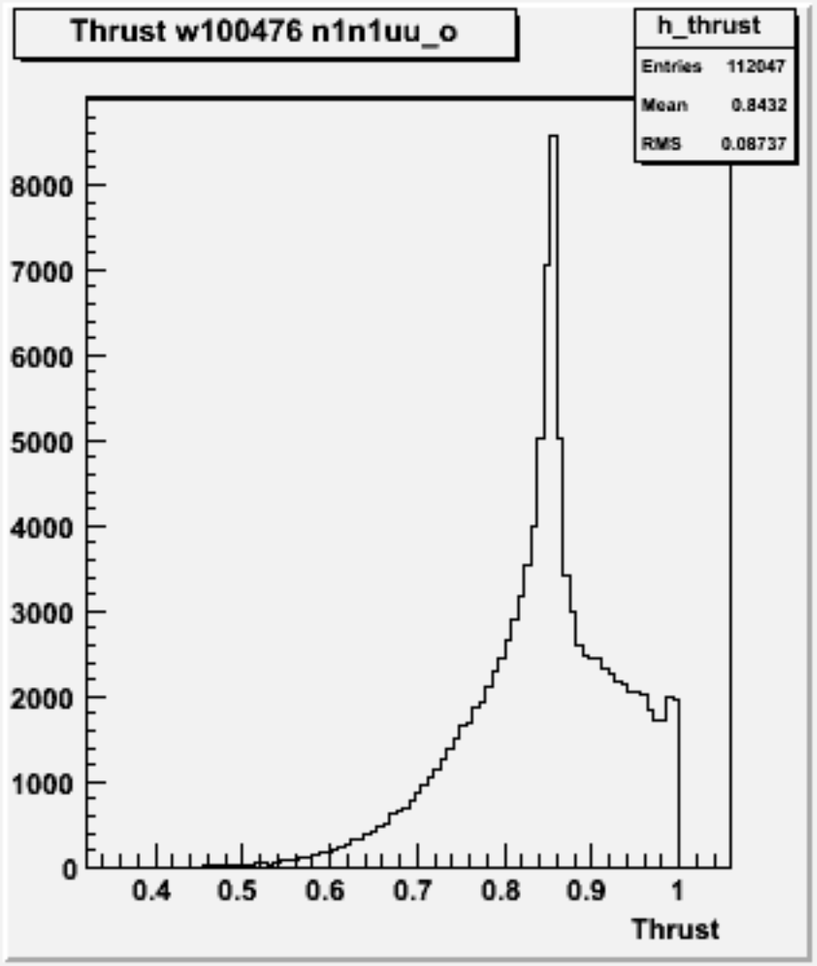

Total Energy (inc. ν): w100476 n1n1uu_o
h_etot
Entries 112047
Mean 347.3
RMS 6.354
Total Energy(GeV)

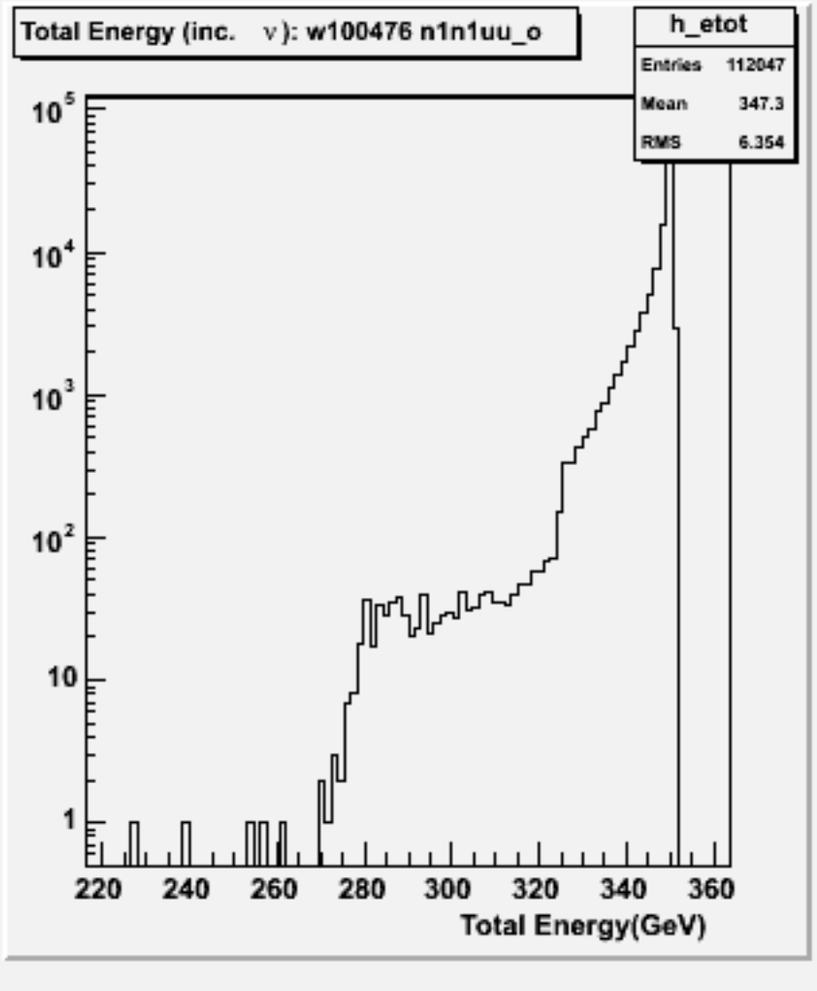

Total Energy (inc. ν): w100476 n1n1uu_o
h_etotc
Entries 103079
Mean 348.7
RMS 2.271
Total Energy(GeV)

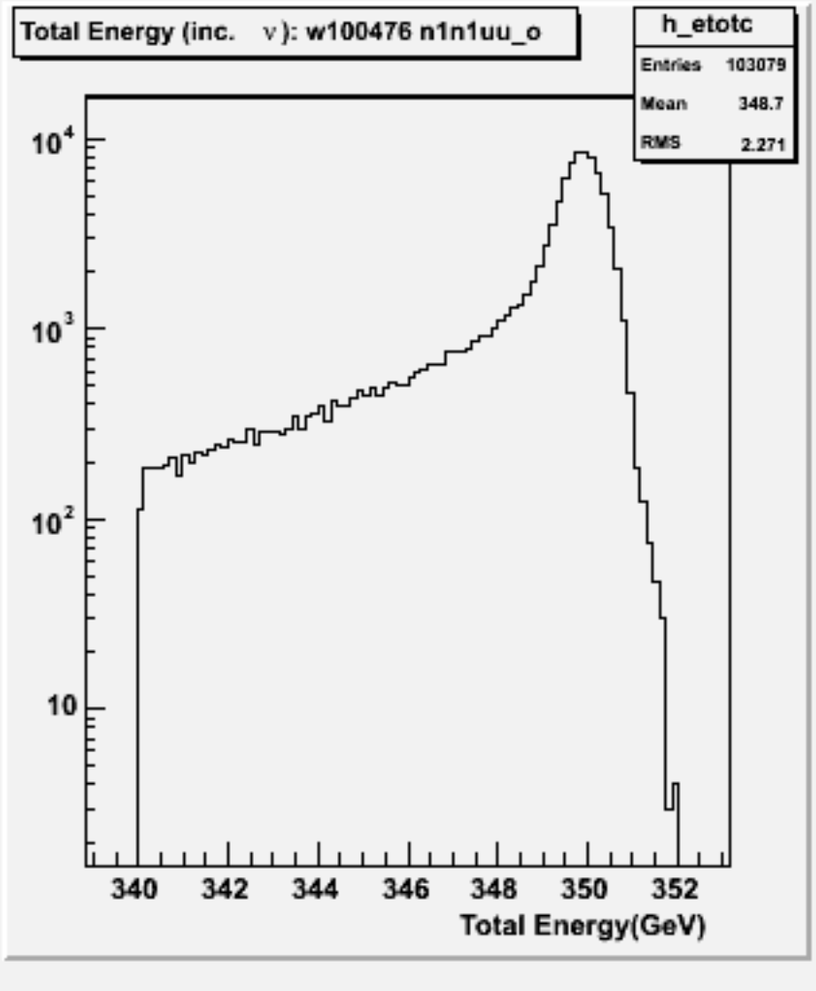

Total Energy (w/o ν): w100476 n1n1uu_o
h_evis
Entries 112047
Mean 145.5
RMS 40.41
Energy(GeV)

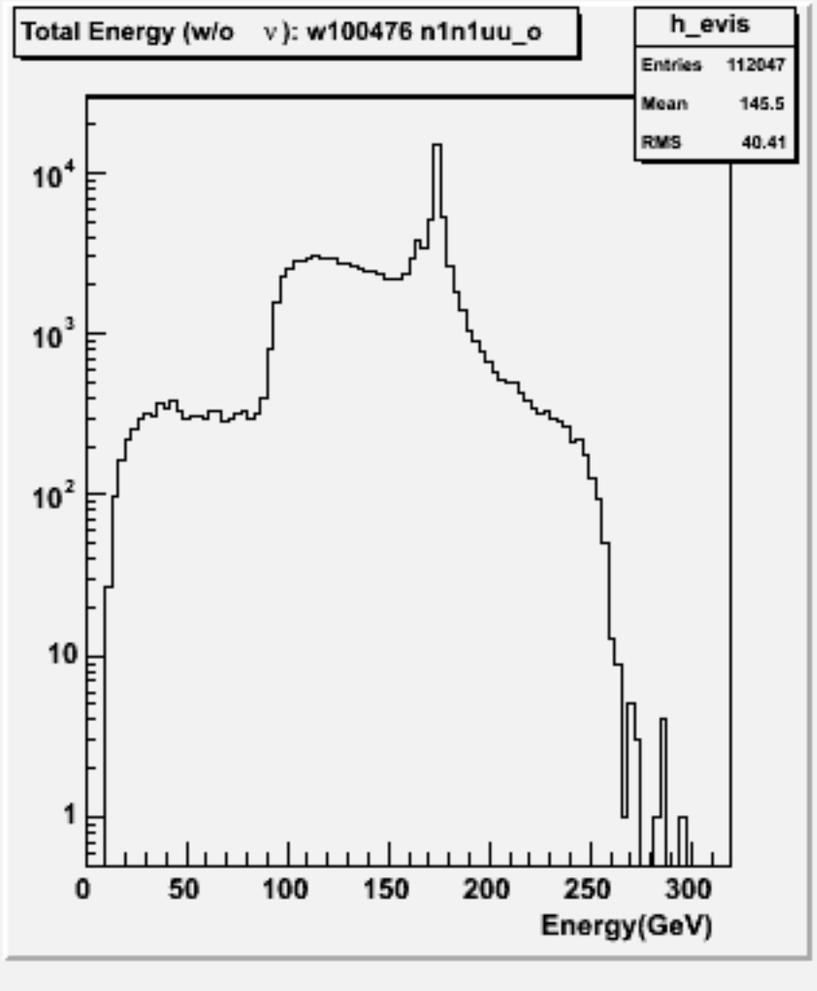

Pt Sum: w100476 n1n1uu_o
h_pt
Entries 112047
Mean 59.49
RMS 36.12
Pt(sum) (GeV)

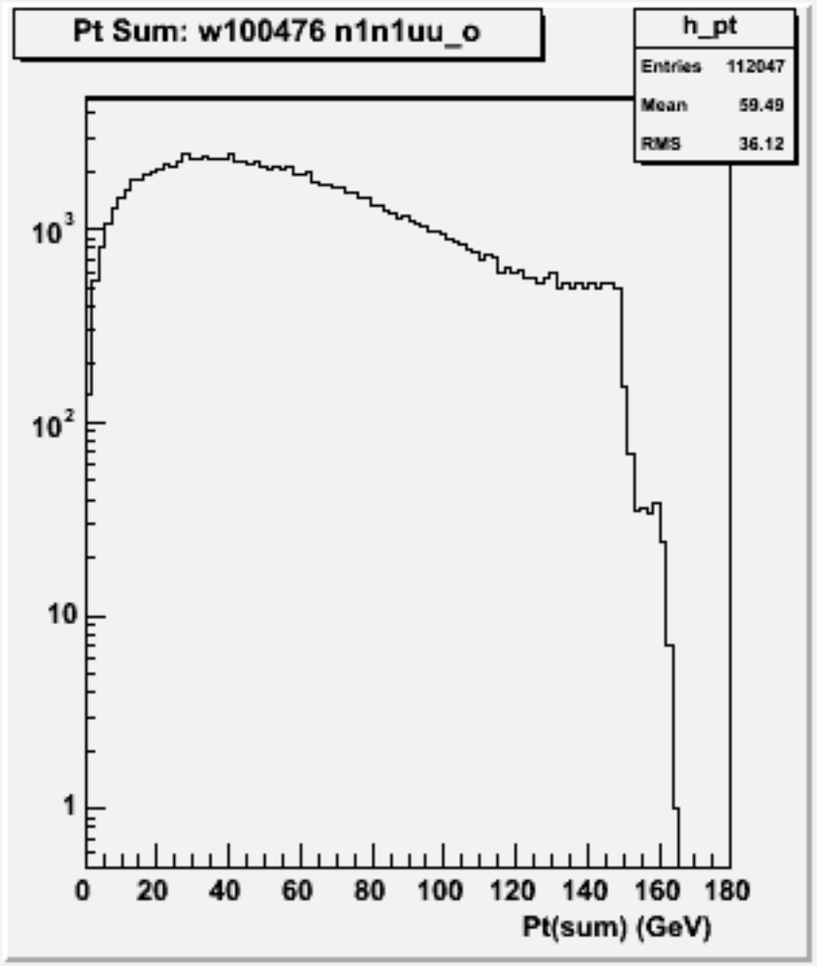

Pz Sum: w100476 n1n1uu_o
h_pz
Entries 112047
Mean 0.1061
RMS 84.68
Pz(sum) (GeV)

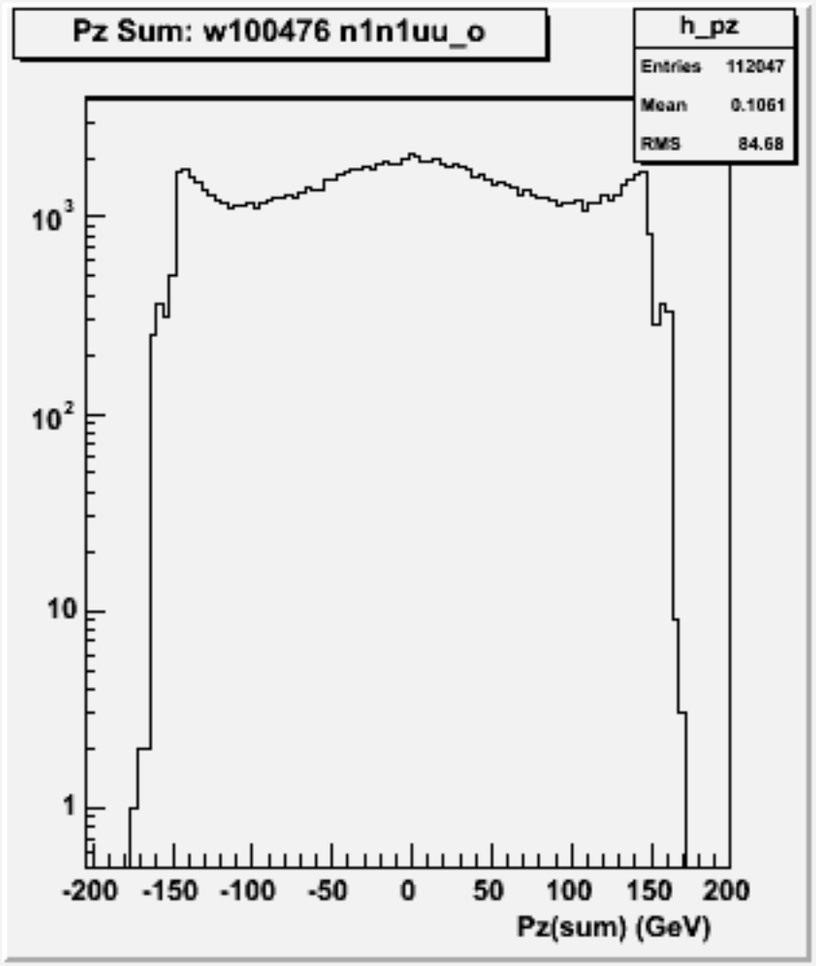

Thrust w100476 n1n1uu_o
h_thrust
Entries 112047
Mean 0.8432
RMS 0.08737
Thrust

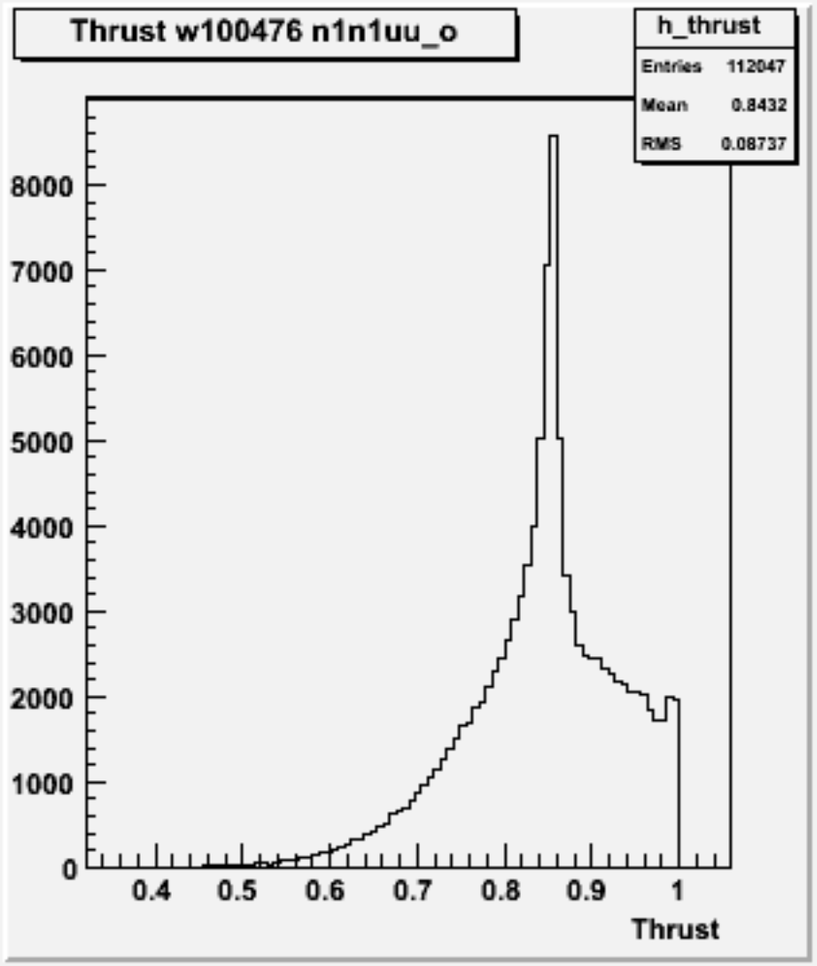

Total Energy (inc. ν): w100476 n1n1uu_o
h_etot
Entries 112047
Mean 347.3
RMS 6.354
Total Energy(GeV)

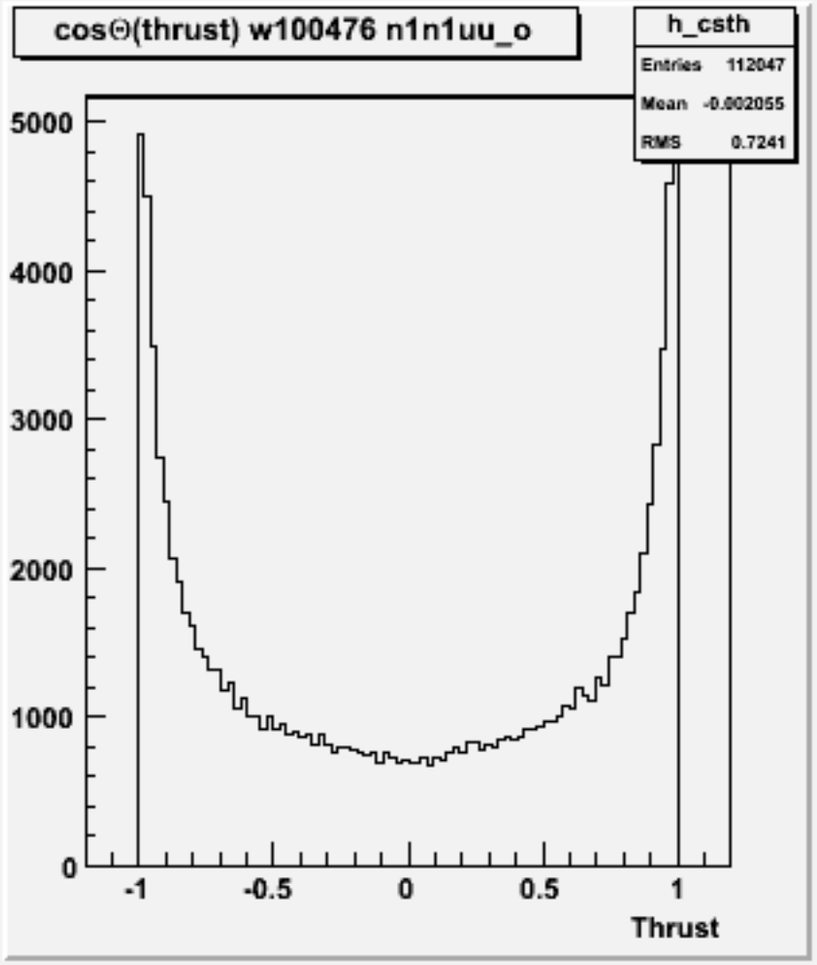

Total Energy (inc. ν): w100476 n1n1uu_o
h_etotc
Entries 103079
Mean 348.7
RMS 2.271
Total Energy(GeV)

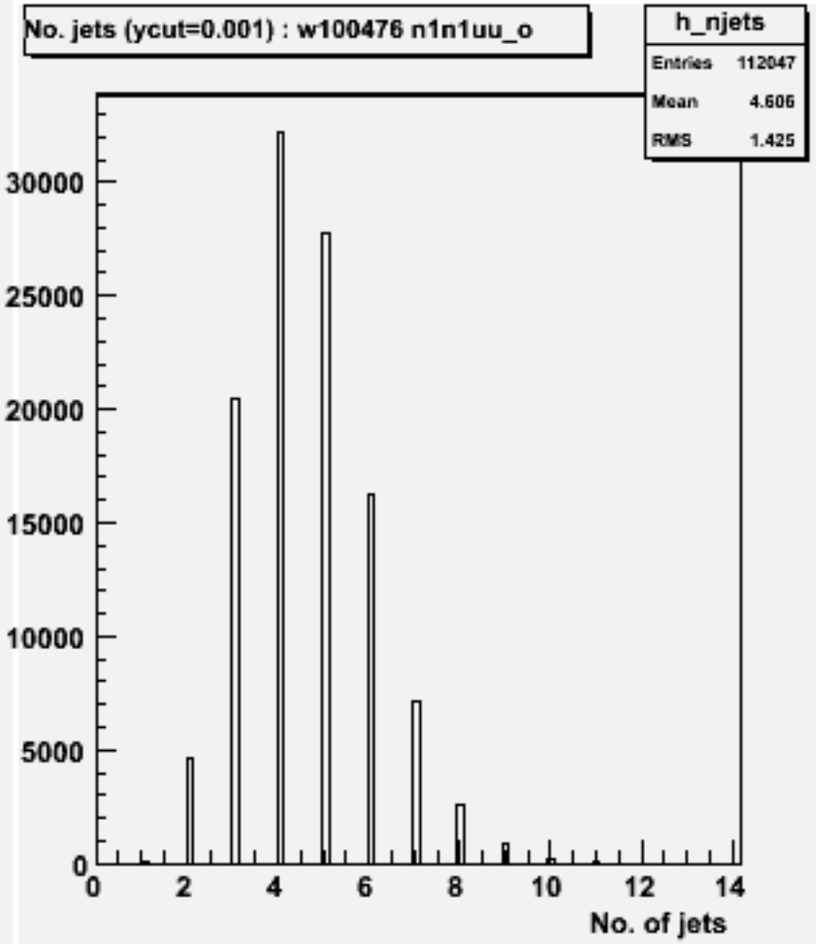

Total Energy (w/o ν): w100476 n1n1uu_o
h_evis
Entries 112047
Mean 145.5
RMS 40.41
Energy(GeV)

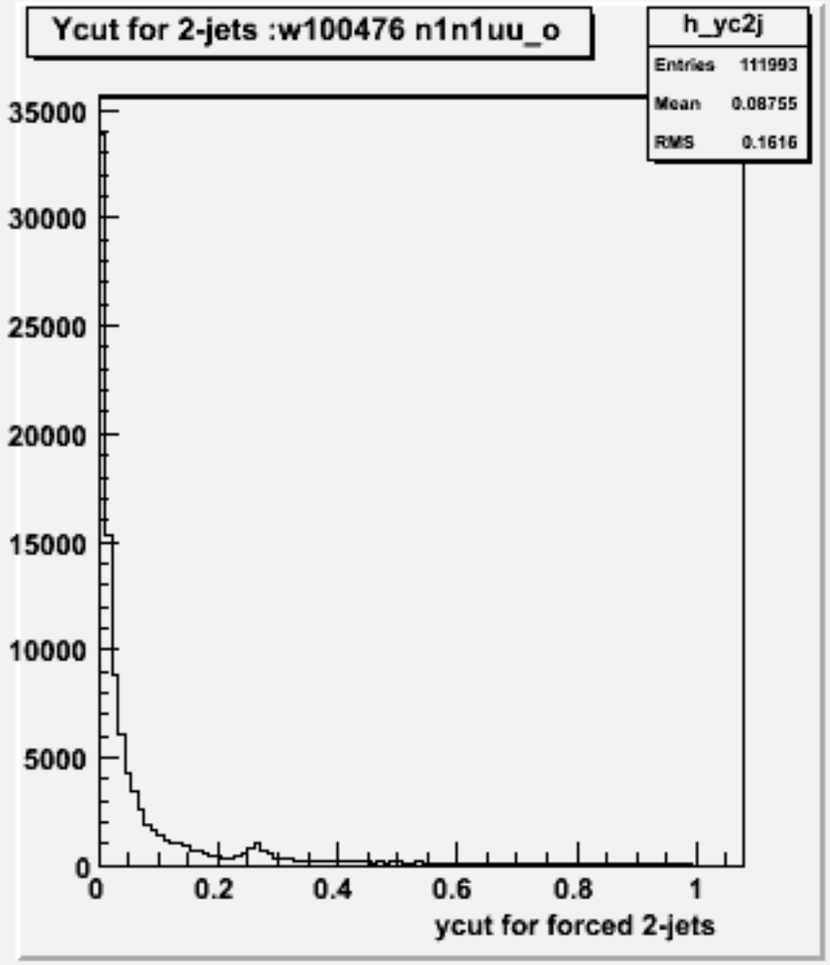

Pt Sum: w100476 n1n1uu_o
h_pt
Entries 112047
Mean 59.49
RMS 36.12
Pt(sum) (GeV)

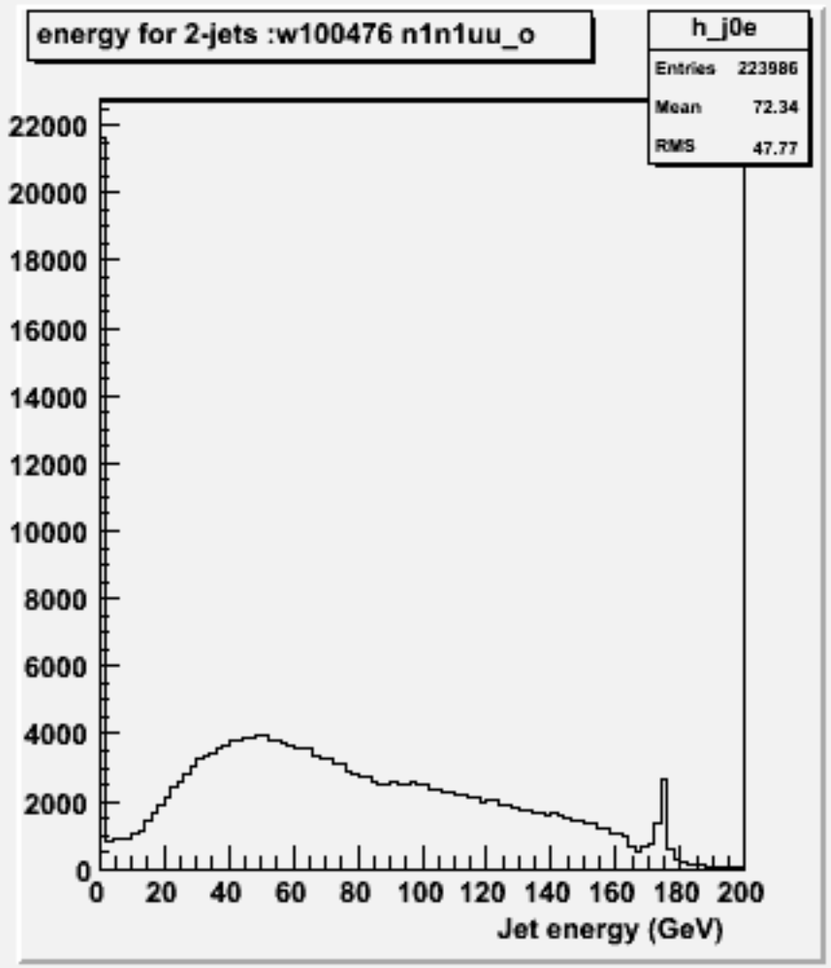

Pz Sum: w100476 n1n1uu_o
h_pz
Entries 112047
Mean 0.1061
RMS 84.68
Pz(sum) (GeV)

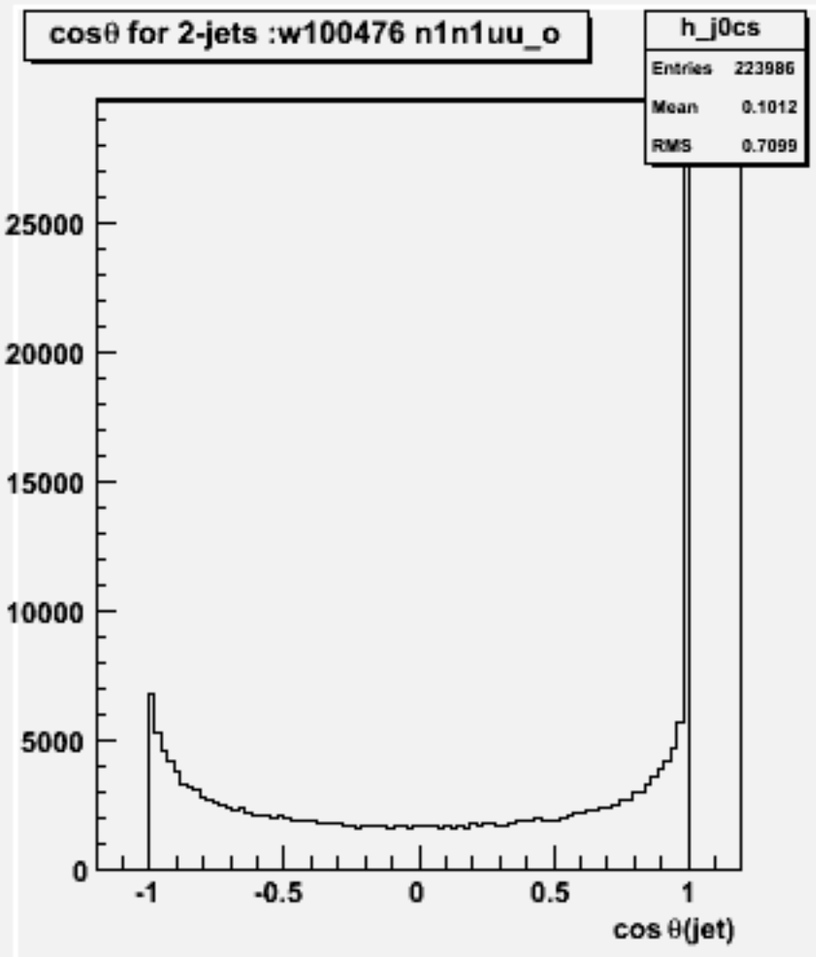

Thrust w100476 n1n1uu_o
h_thrust
Entries 112047
Mean 0.8432
RMS 0.08737
Thrust

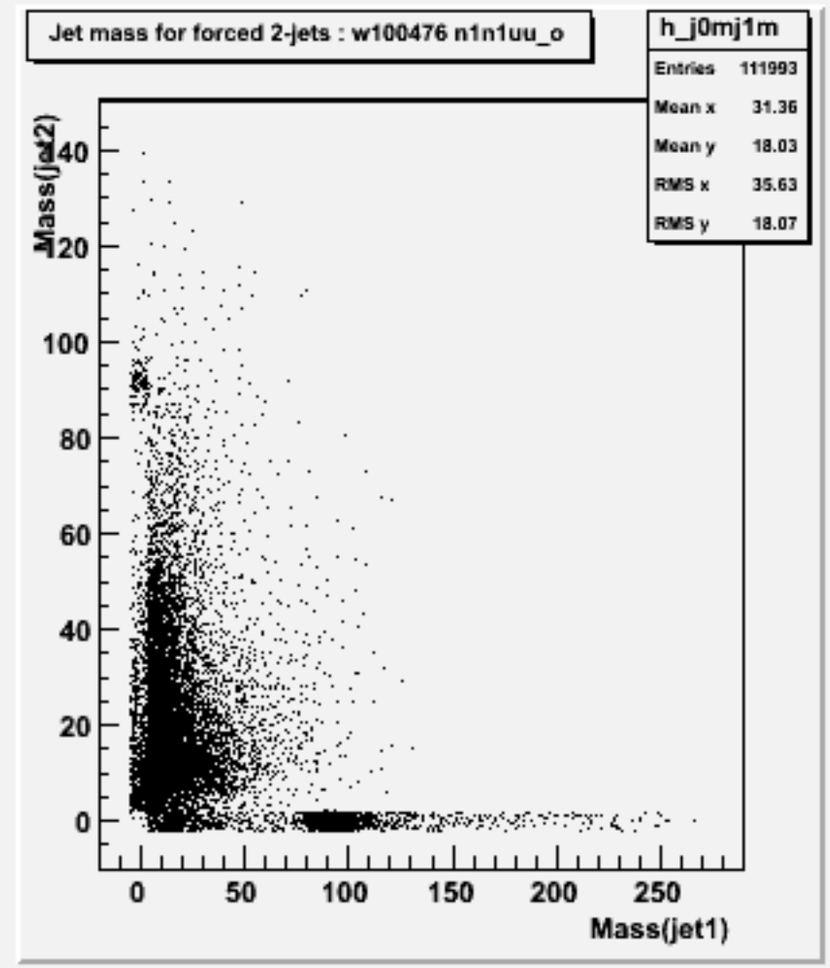

cosΘ(thrust) w100476 n1n1uu_o
h_csth
Entries 112047
Mean -0.002055
RMS 0.7241
Thrust

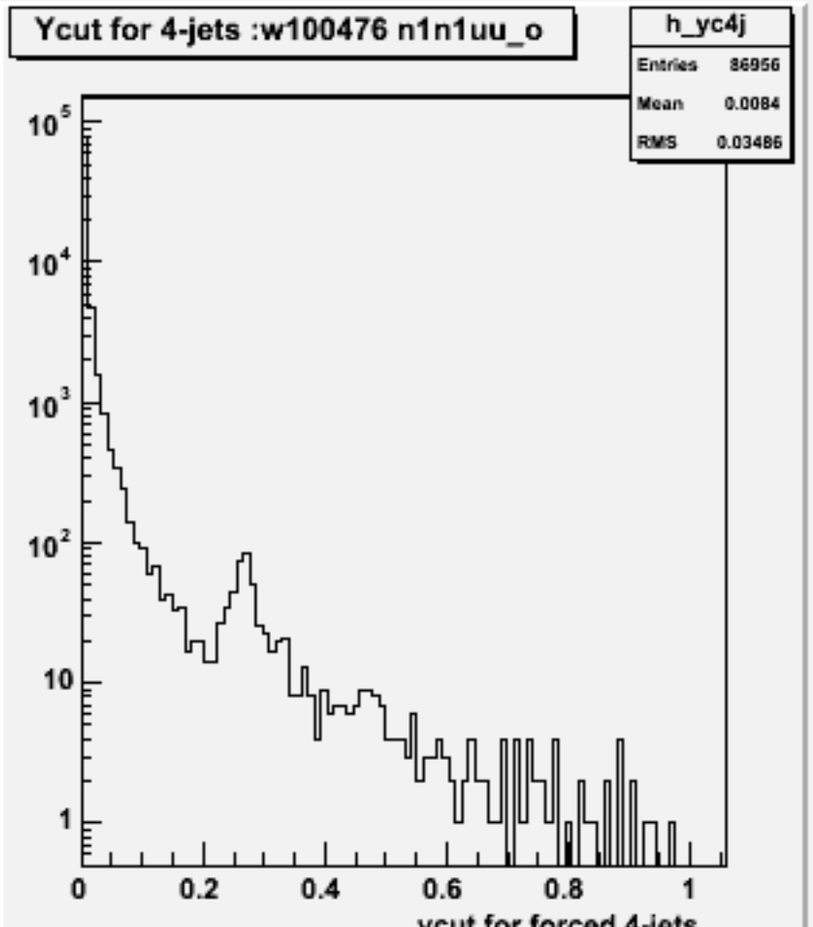

No. jets (ycut=0.001) : w100476 n1n1uu_o
h_njets
Entries 112047
Mean 4.606
RMS 1.425
No. of jets

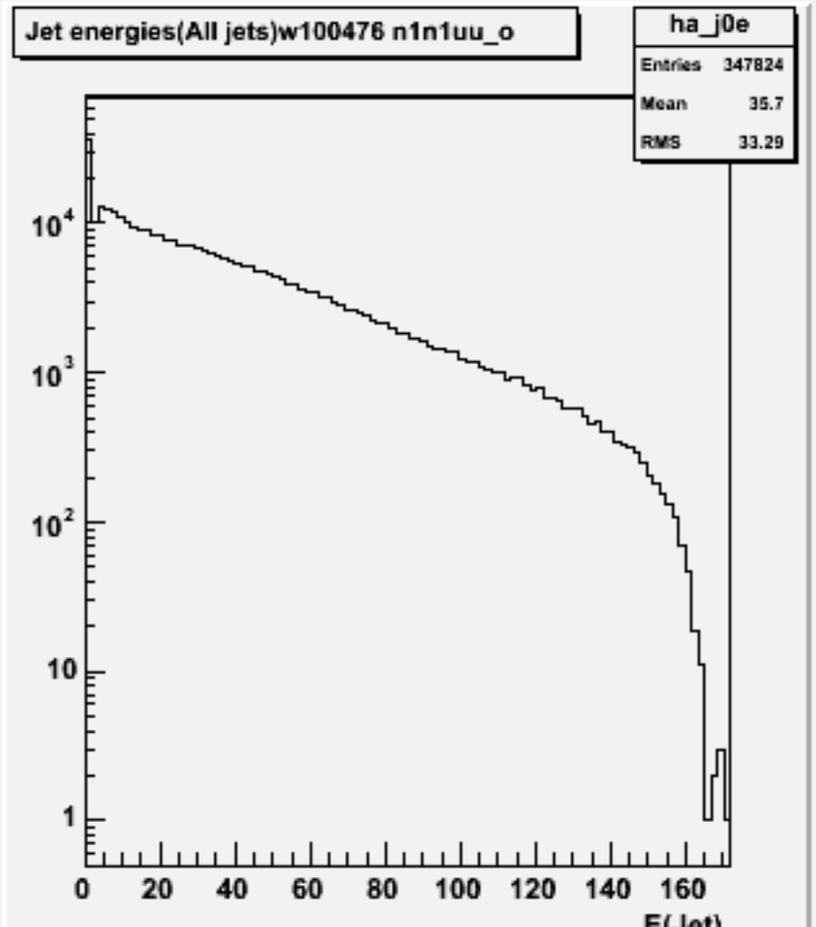

Ycut for 2-jets :w100476 n1n1uu_o
h_yc2j
Entries 111993
Mean 0.08755
RMS 0.1616
ycut for forced 2-jets

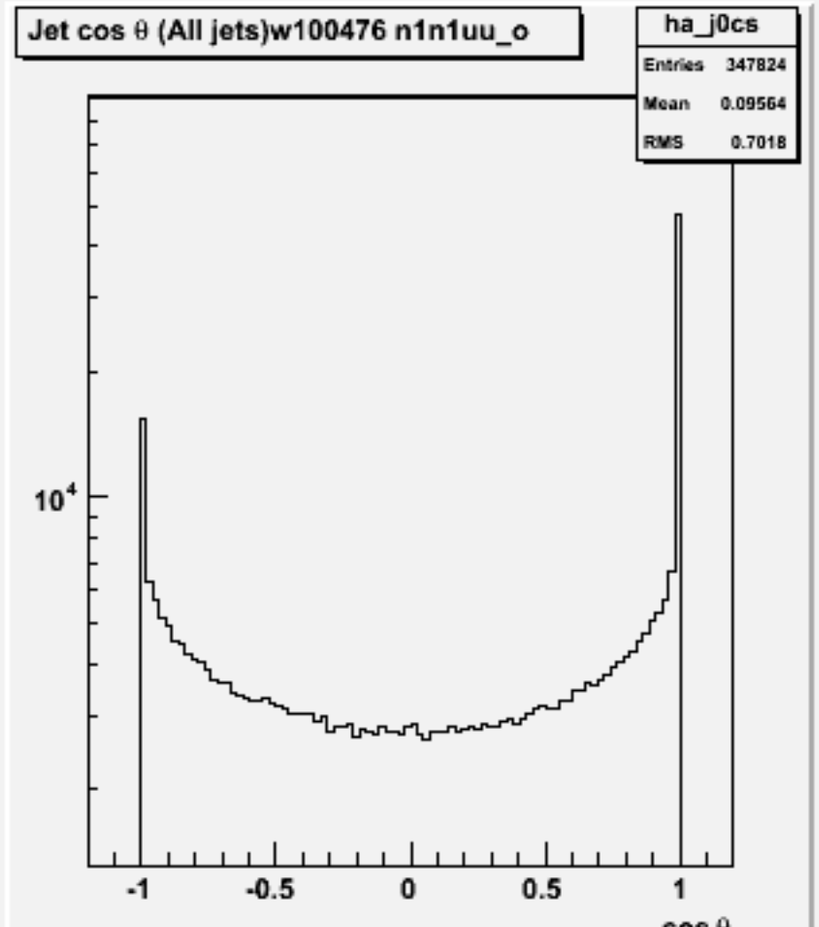

energy for 2-jets :w100476 n1n1uu_o
h_j0e
Entries 223986
Mean 72.34
RMS 47.77
Jet energy (GeV)

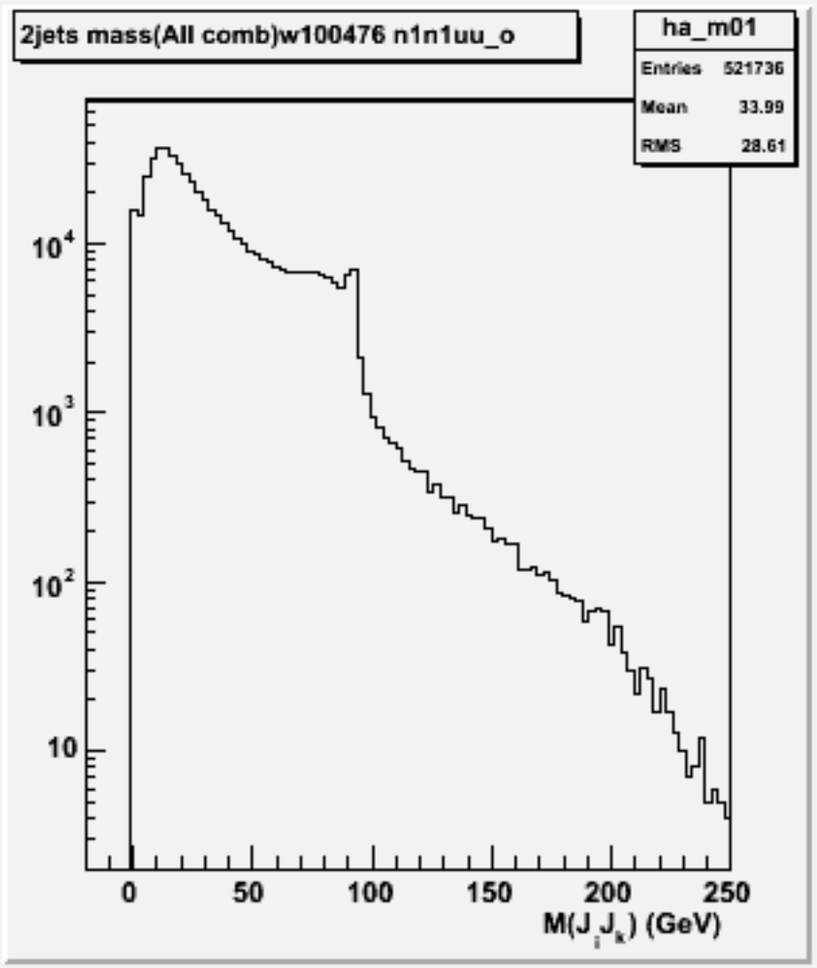

cosθ for 2-jets :w100476 n1n1uu_o
h_j0cs
Entries 223986
Mean 0.1012
RMS 0.7099
cos θ(jet)

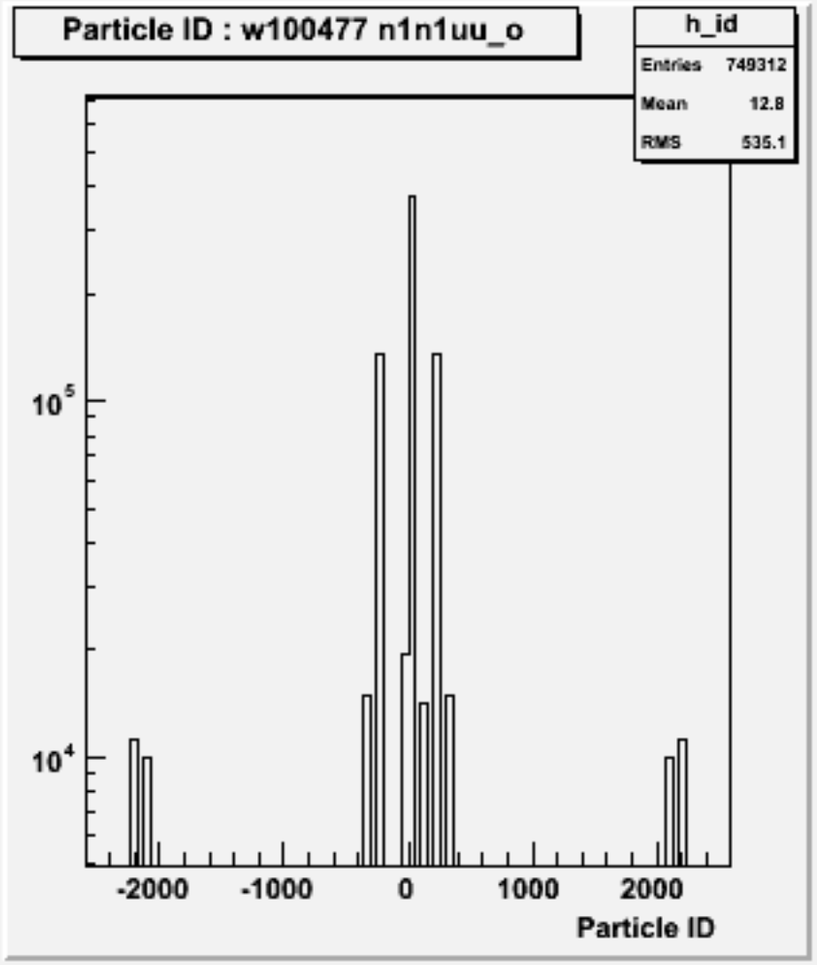

Jet mass for forced 2-jets : w100476 n1n1uu_o
h_j0mj1m
Entries 111993
Mean x 31.36
Mean y 18.03
RMS x 35.63
RMS y 18.07
Mass(jet2)
Mass(jet1)

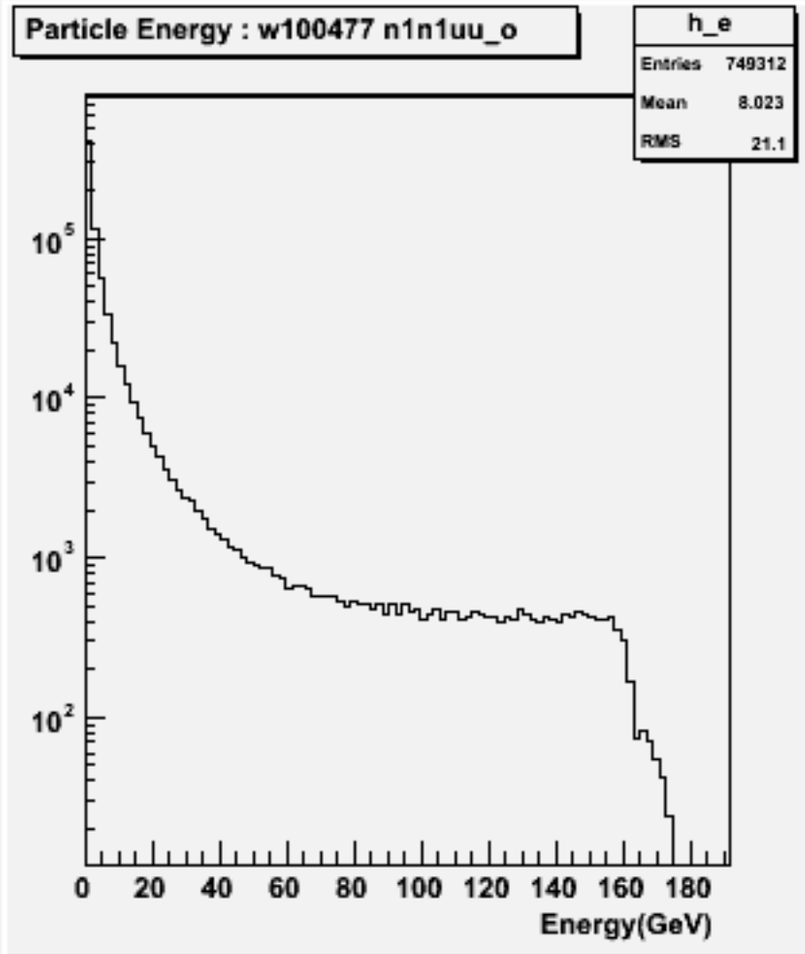

Ycut for 4-jets :w100476 n1n1uu_o
h_yc4j
Entries 86956
Mean 0.0084
RMS 0.03486
ycut for forced 4-jets

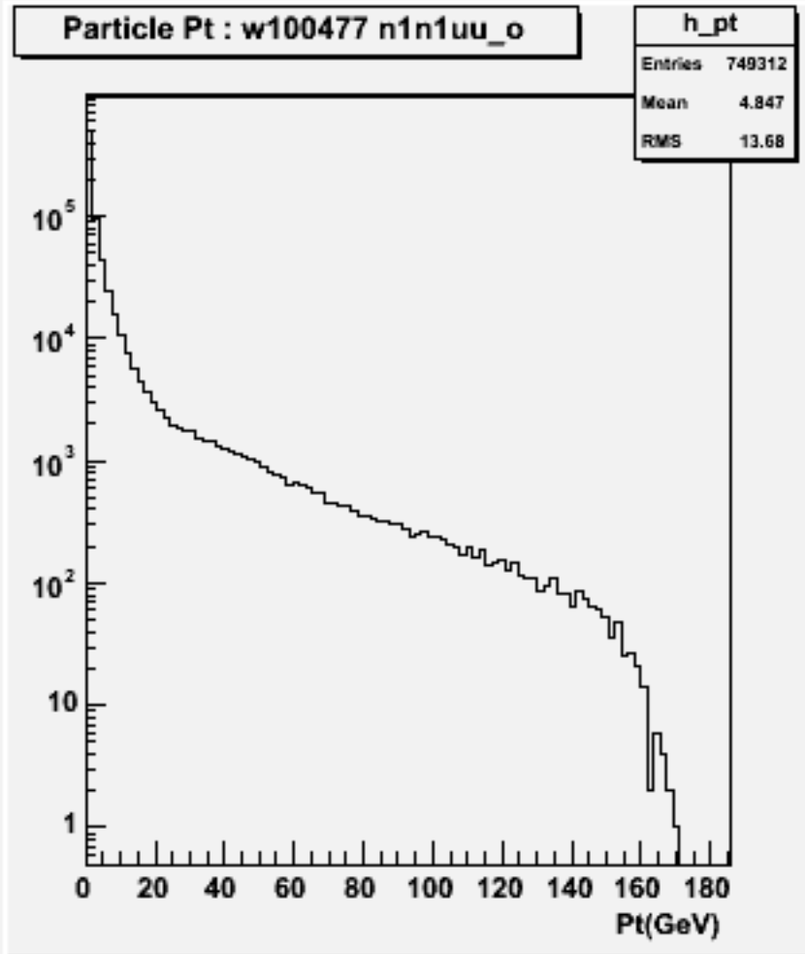

Jet energies(All jets)w100476 n1n1uu_o
ha_j0e
Entries 347824
Mean 35.7
RMS 33.29
E(Jet)

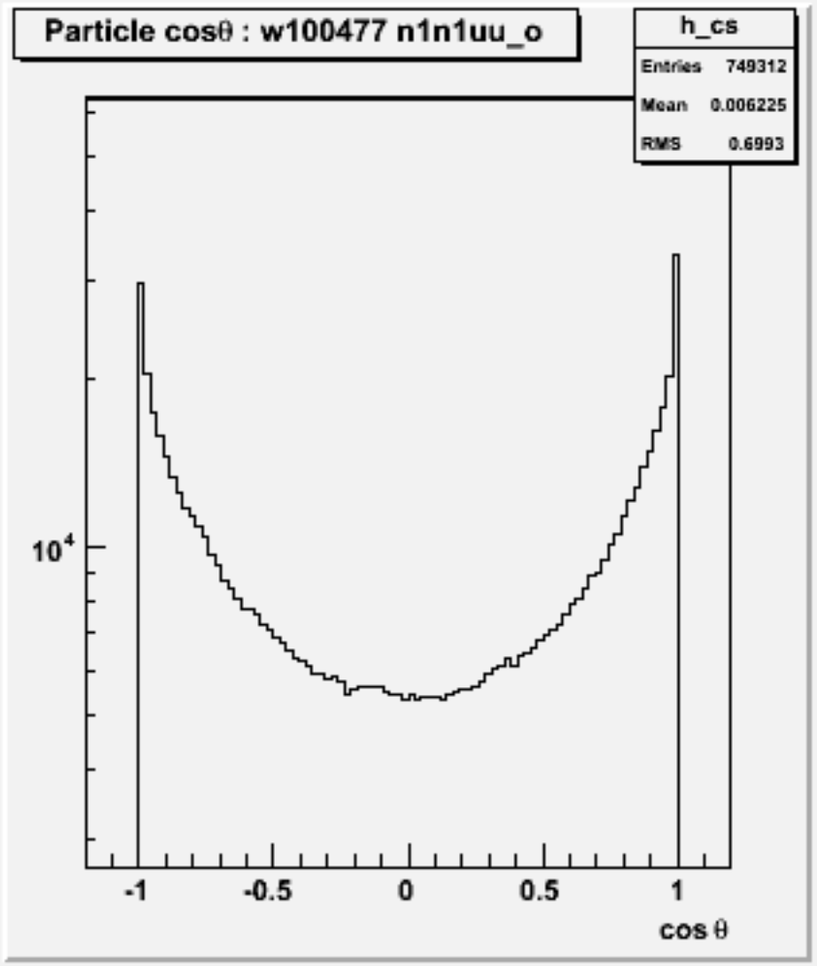

Jet cos θ (All jets)w100476 n1n1uu_o
ha_j0cs
Entries 347824
Mean 0.09564
RMS 0.7018
cos θ

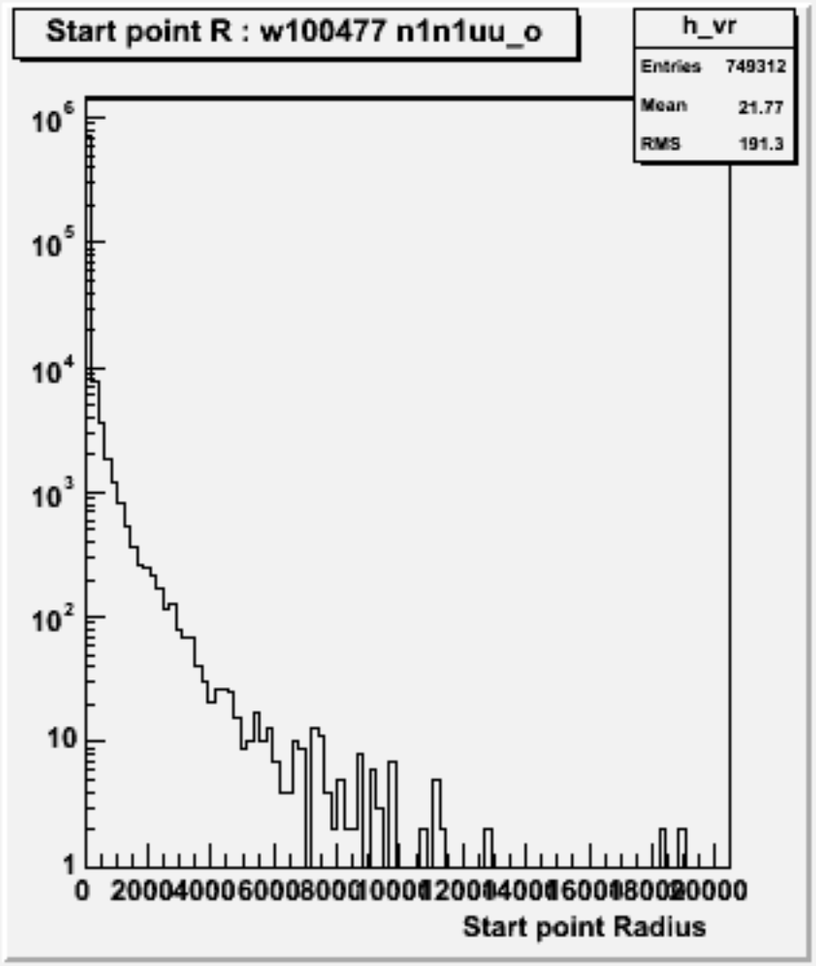

2jets mass(All comb)w100476 n1n1uu_o
ha_m01
Entries 521736
Mean 33.99
RMS 28.61
M(J_iJ_k) (GeV)

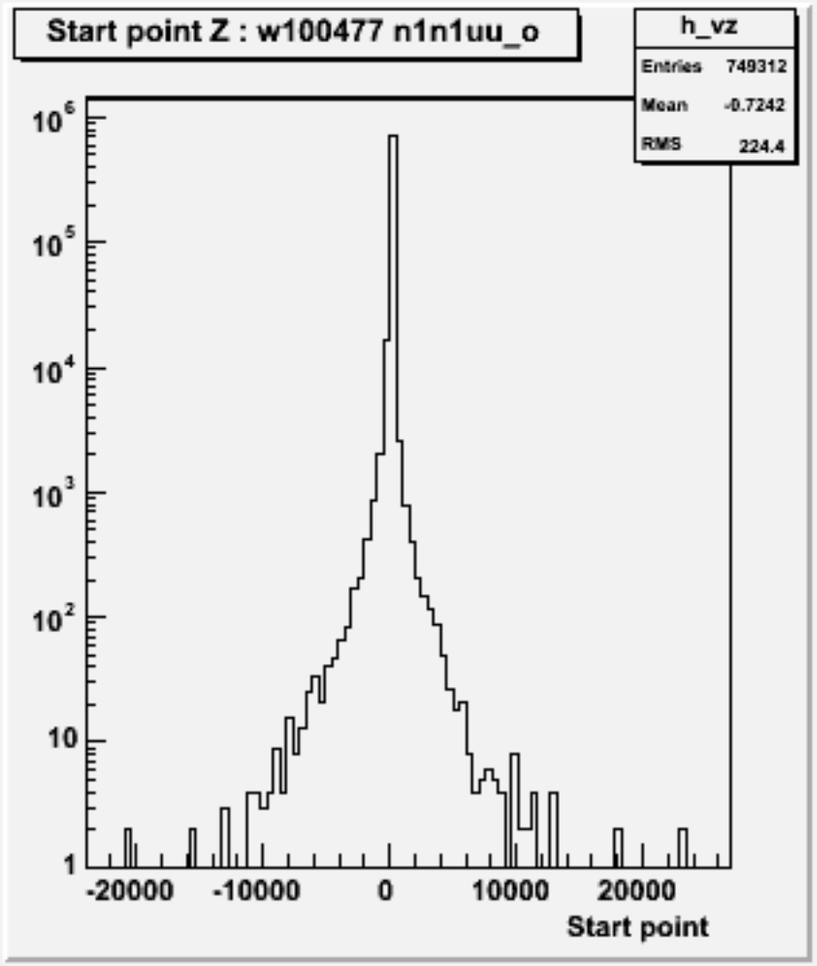

Particle ID : w100477 n1n1uu_o
h_id
Entries 749312
Mean 12.8
RMS 535.1
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

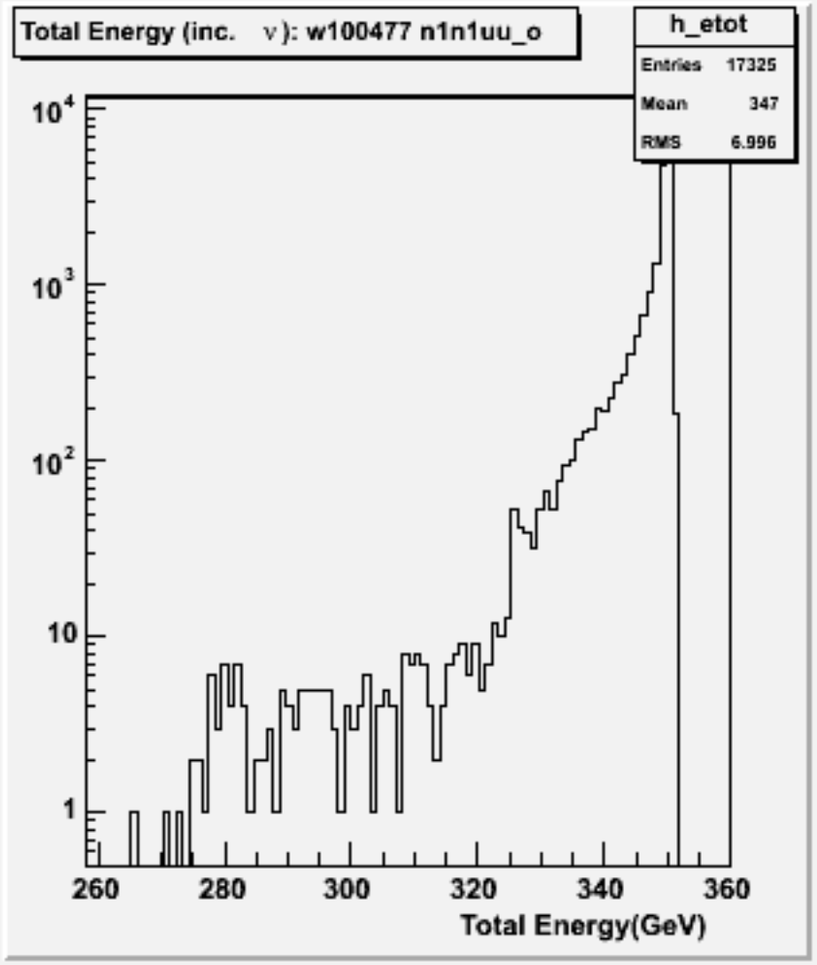

Particle Energy : w100477 n1n1uu_o
h_e
Entries 749312
Mean 8.023
RMS 21.1
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

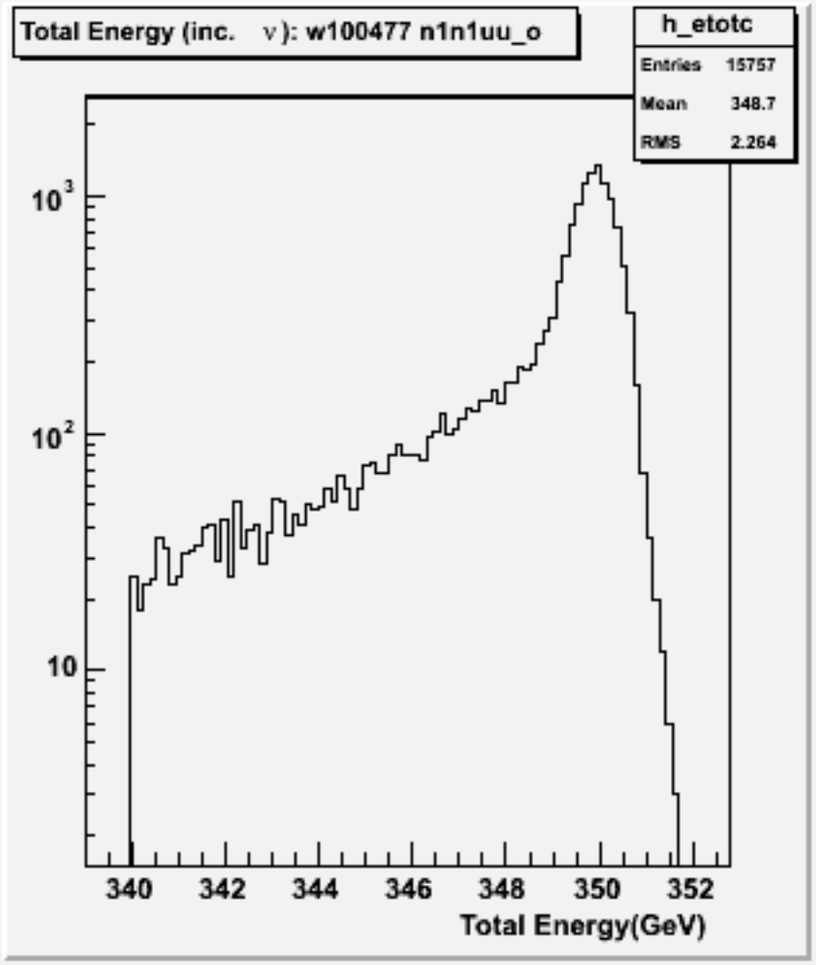

Particle Pt : w100477 n1n1uu_o
h_pt
Entries 749312
Mean 4.847
RMS 13.68
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

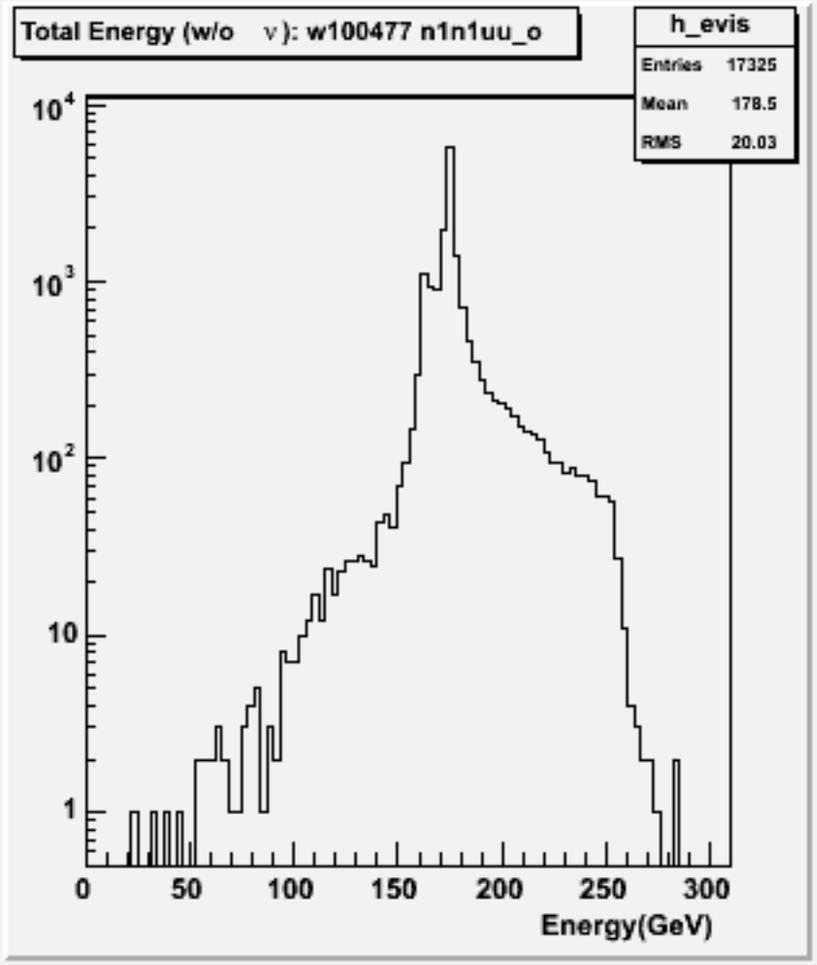

Particle cosθ : w100477 n1n1uu_o
h_cs
Entries 749312
Mean 0.006225
RMS 0.6993
10^4
-1
-0.5
0
0.5
1
cos θ

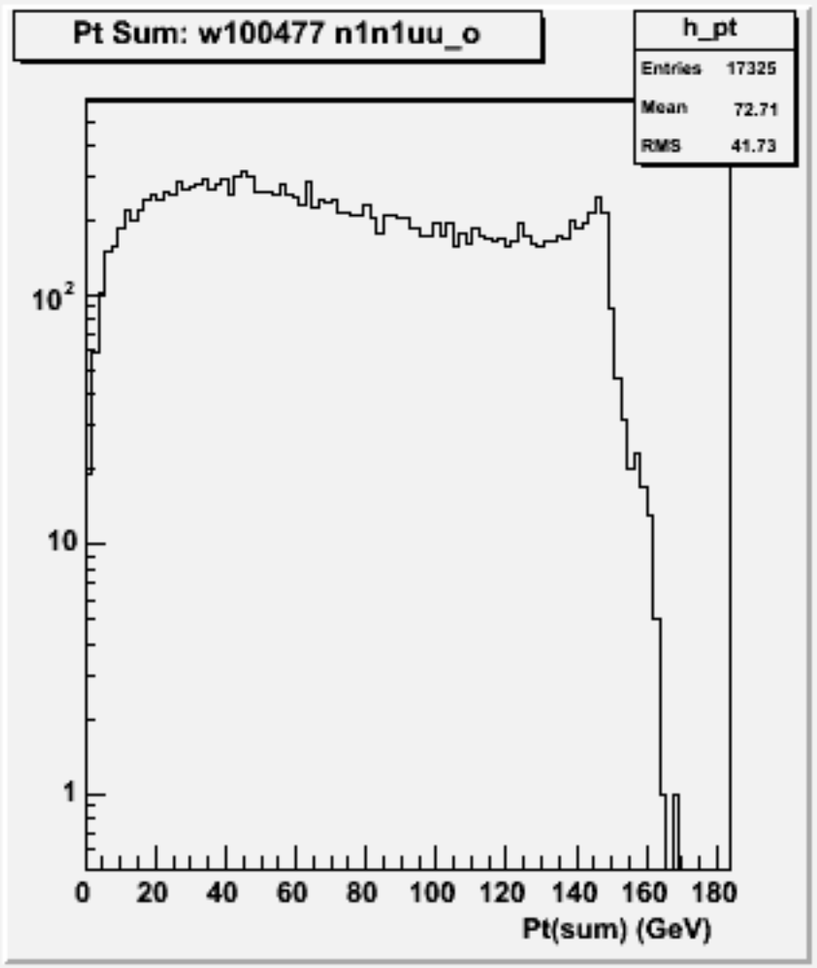

Start point R : w100477 n1n1uu_o
h_vr
Entries 749312
Mean 21.77
RMS 191.3
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000
Start point Radius

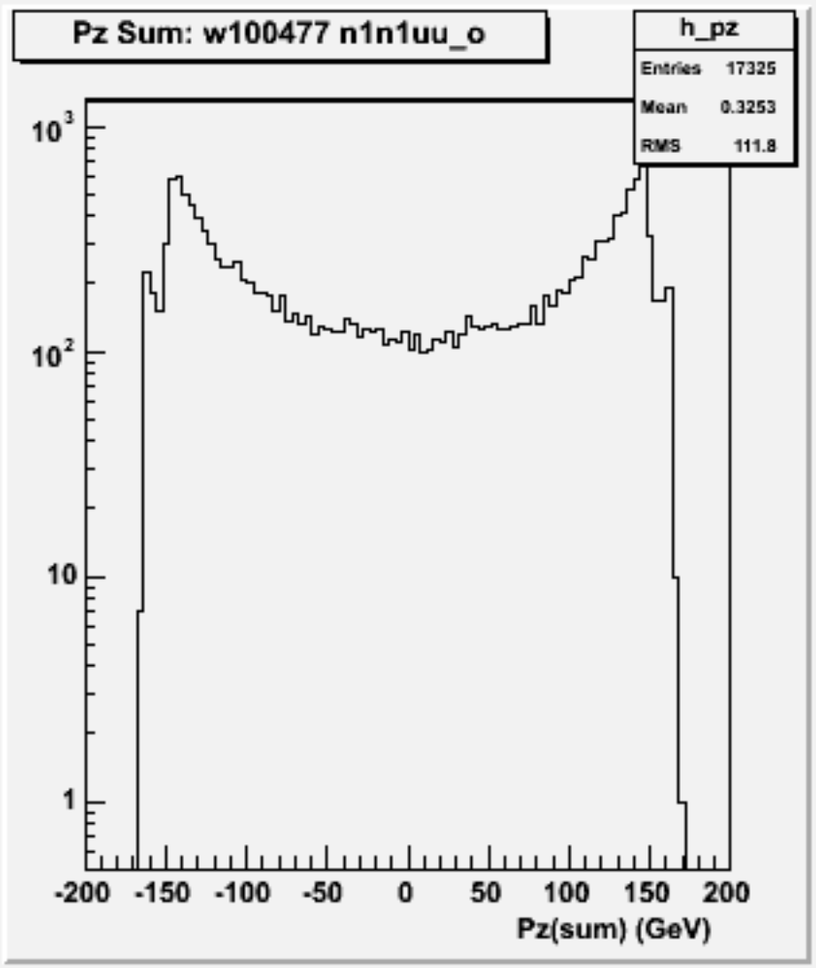

Start point Z : w100477 n1n1uu_o
h_vz
Entries 749312
Mean -0.7242
RMS 224.4
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
Start point

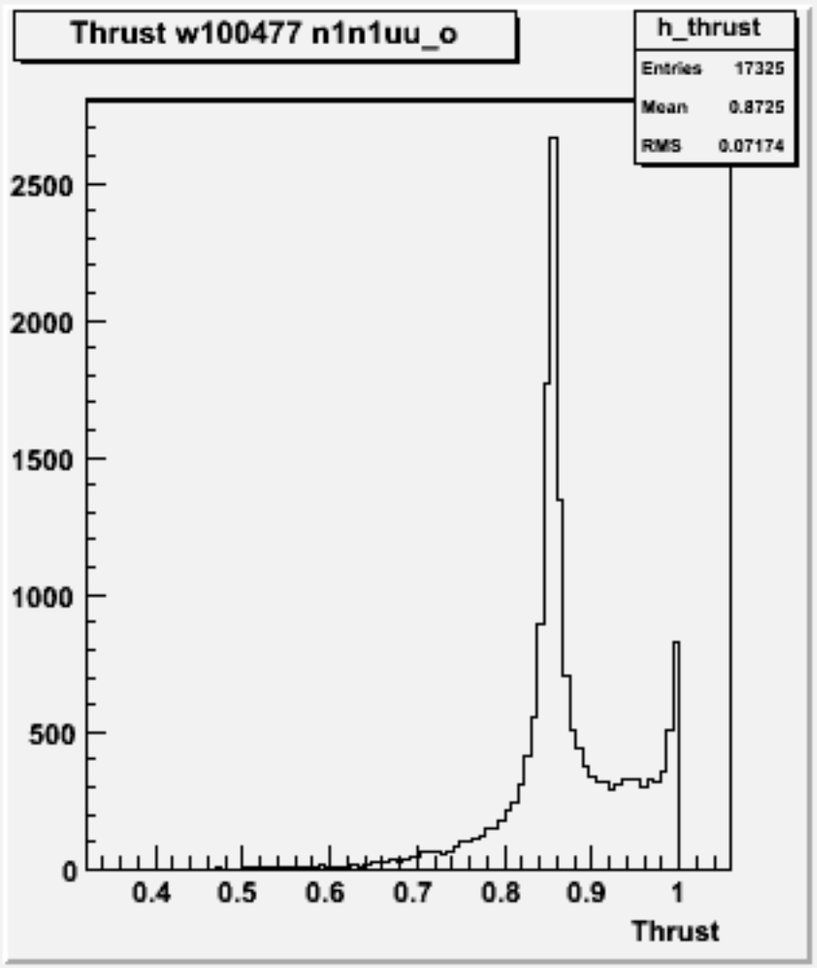

Total Energy (inc. ν): w100477 n1n1uu_o
h_etot
Entries 17325
Mean 347
RMS 6.996
Total Energy(GeV)

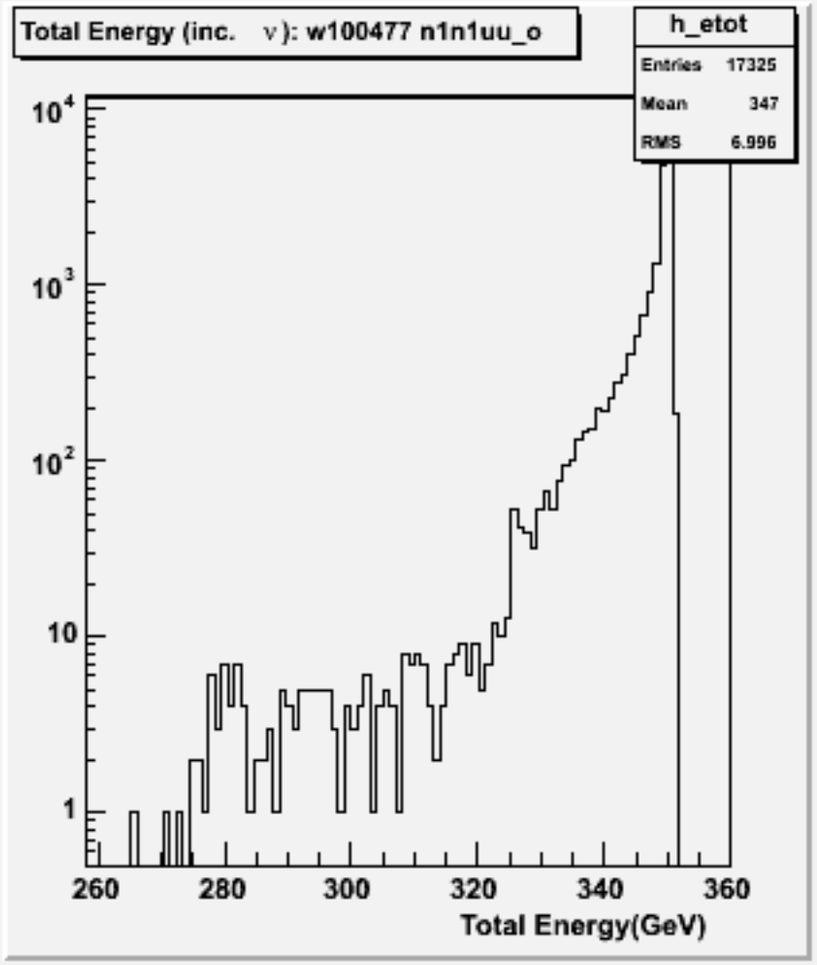

Total Energy (inc. ν): w100477 n1n1uu_o
h_etotc
Entries 15757
Mean 348.7
RMS 2.264
Total Energy(GeV)

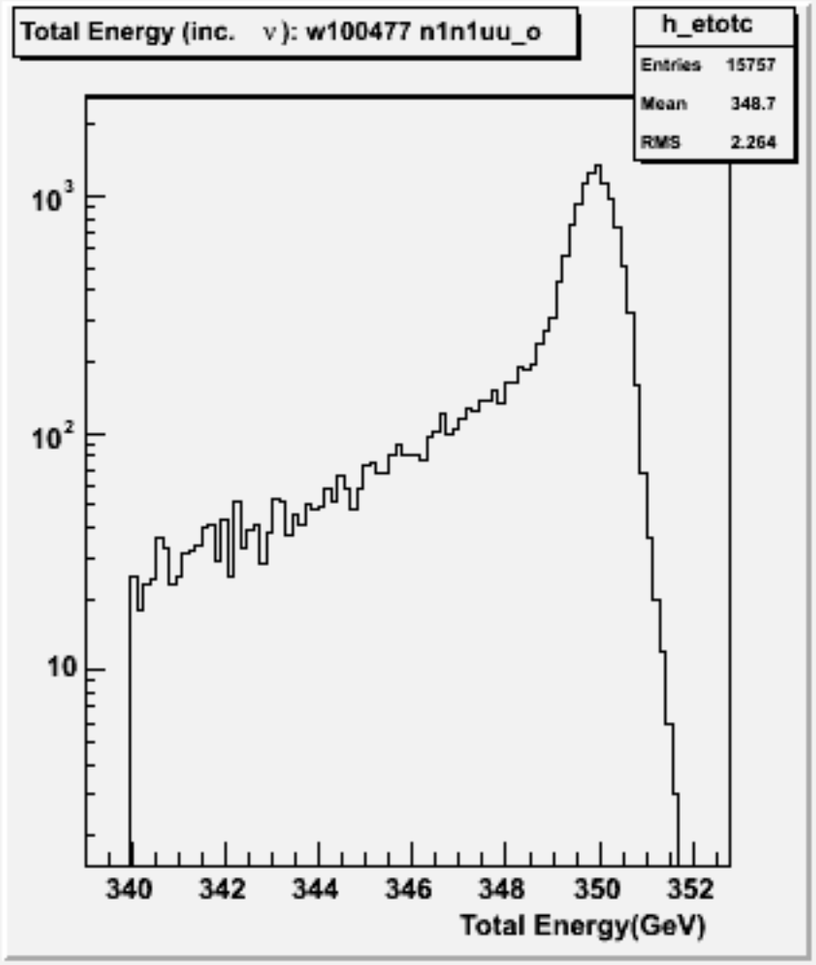

Total Energy (w/o ν): w100477 n1n1uu_o
h_evis
Entries 17325
Mean 178.5
RMS 20.03
Energy(GeV)

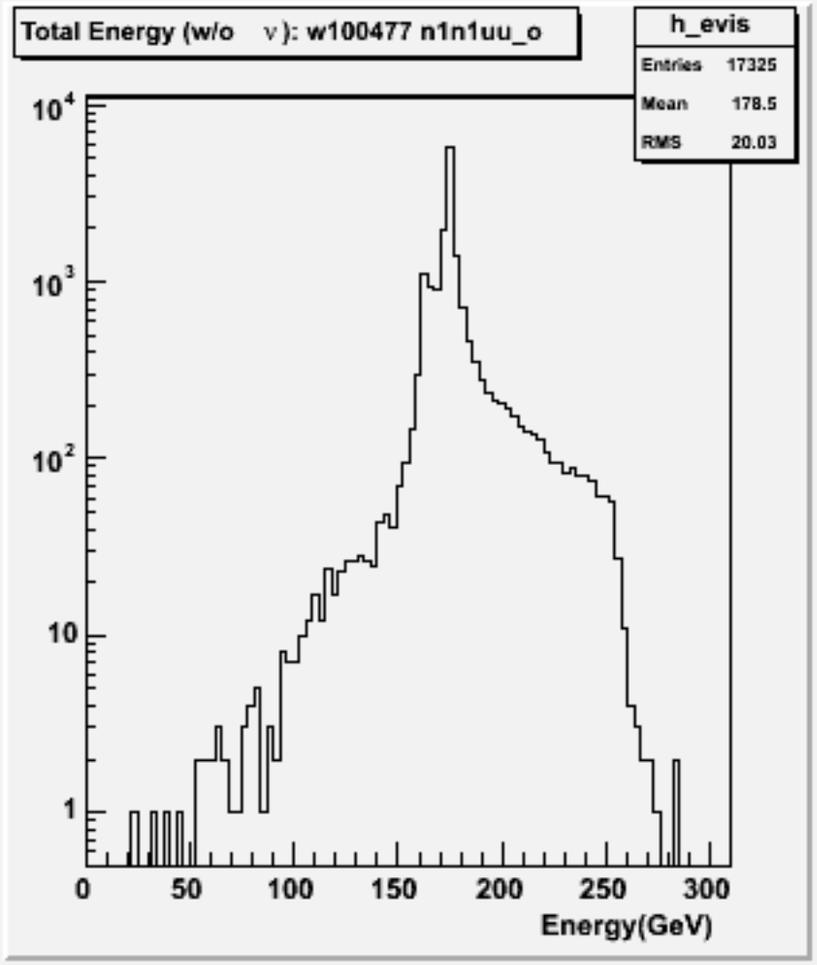

Pt Sum: w100477 n1n1uu_o
h_pt
Entries 17325
Mean 72.71
RMS 41.73
Pt(sum) (GeV)

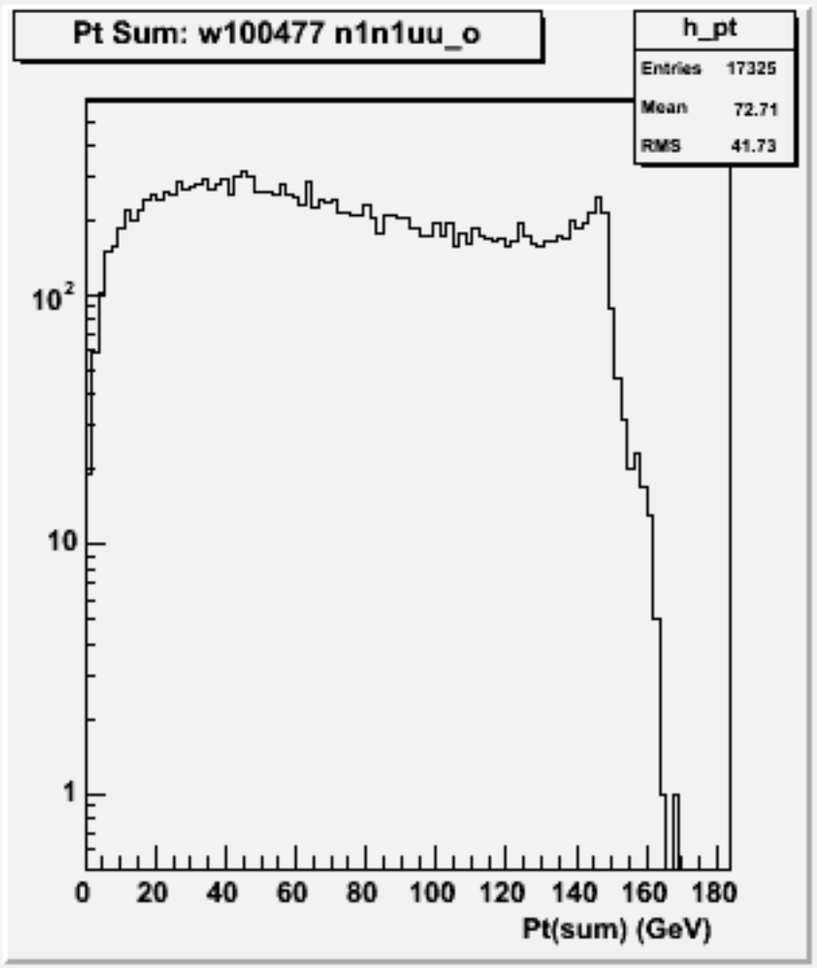

Pz Sum: w100477 n1n1uu_o
h_pz
Entries 17325
Mean 0.3253
RMS 111.8
Pz(sum) (GeV)

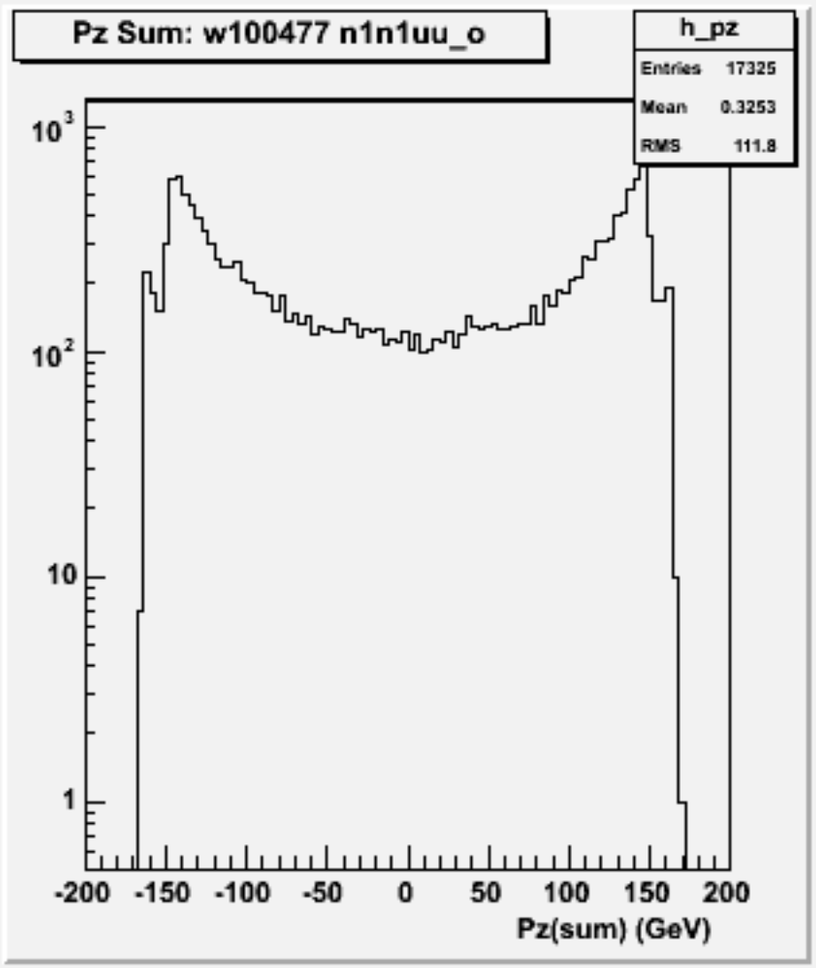

Thrust w100477 n1n1uu_o
h_thrust
Entries 17325
Mean 0.8725
RMS 0.07174
Thrust

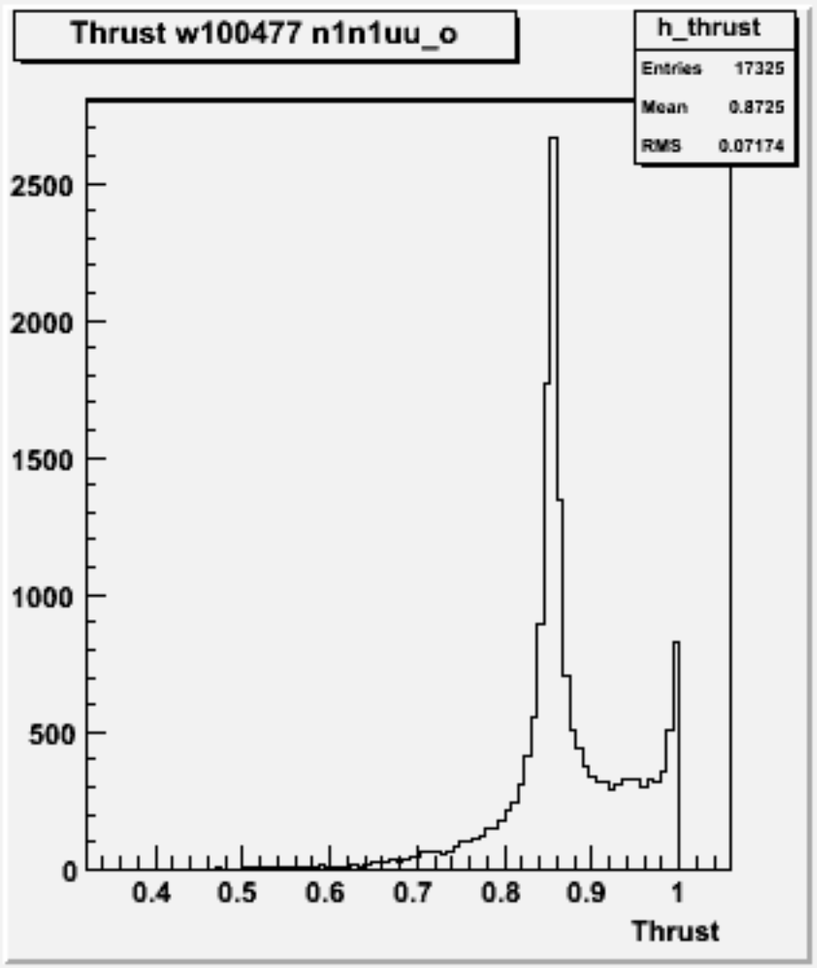

Total Energy (inc. ν): w100477 n1n1uu_o
h_etot
Entries 17325
Mean 347
RMS 6.996
Total Energy(GeV)

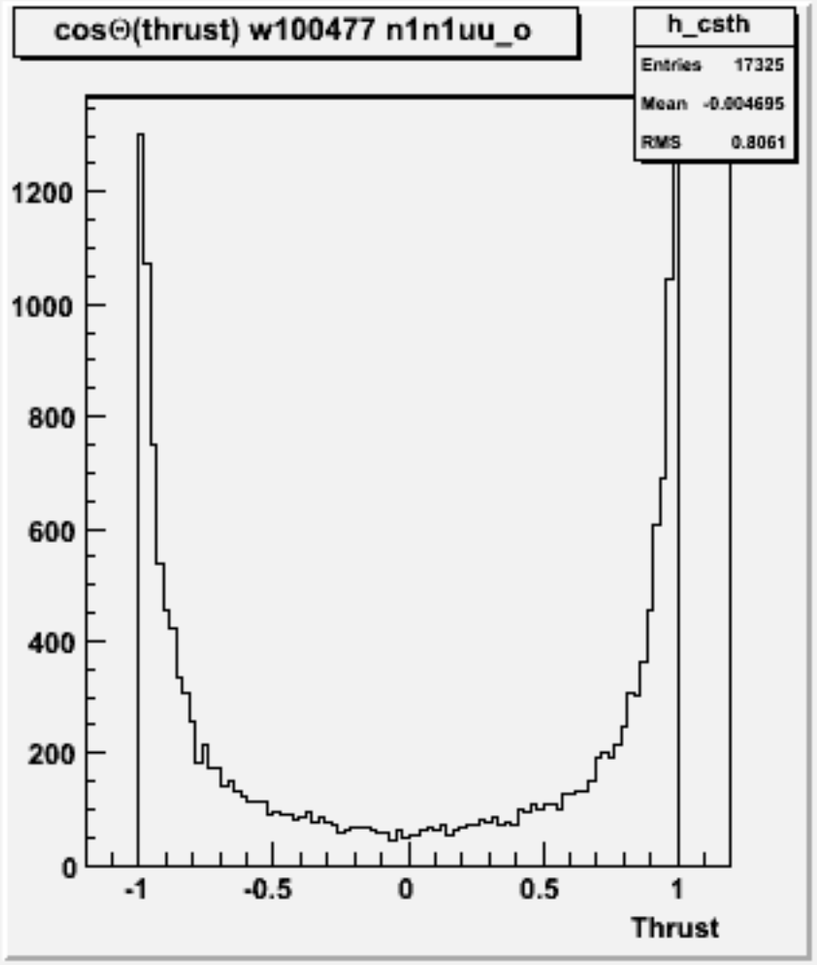

Total Energy (inc. ν): w100477 n1n1uu_o
h_etotc
Entries 15757
Mean 348.7
RMS 2.264
Total Energy(GeV)

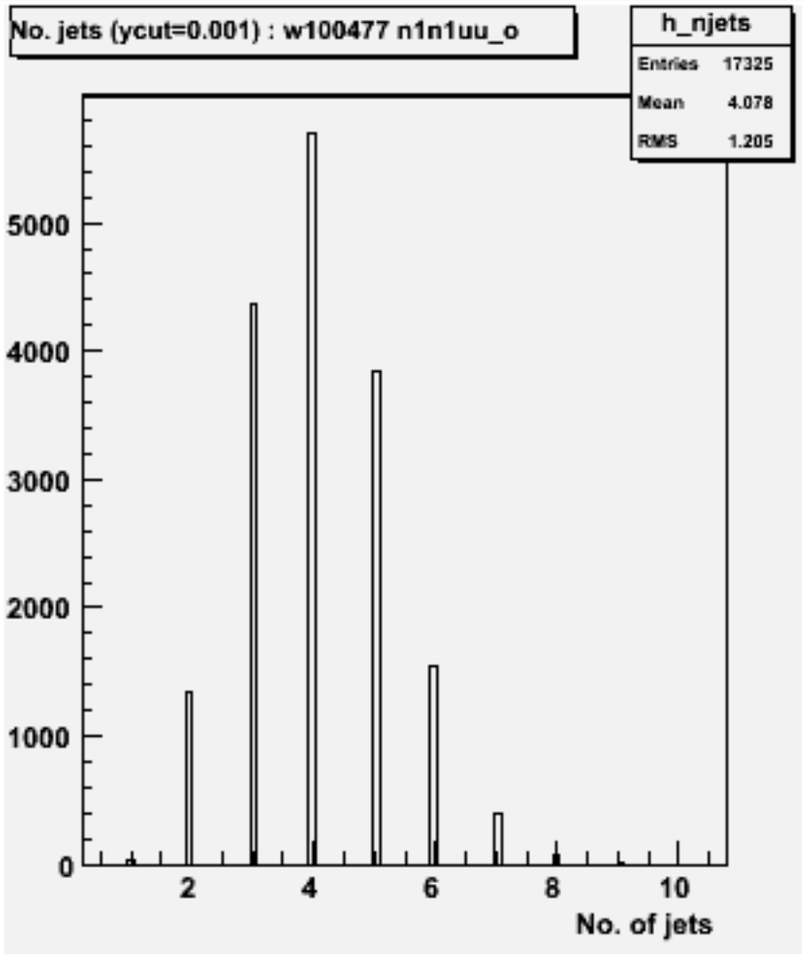

Total Energy (w/o ν): w100477 n1n1uu_o
h_evis
Entries 17325
Mean 178.5
RMS 20.03
Energy(GeV)

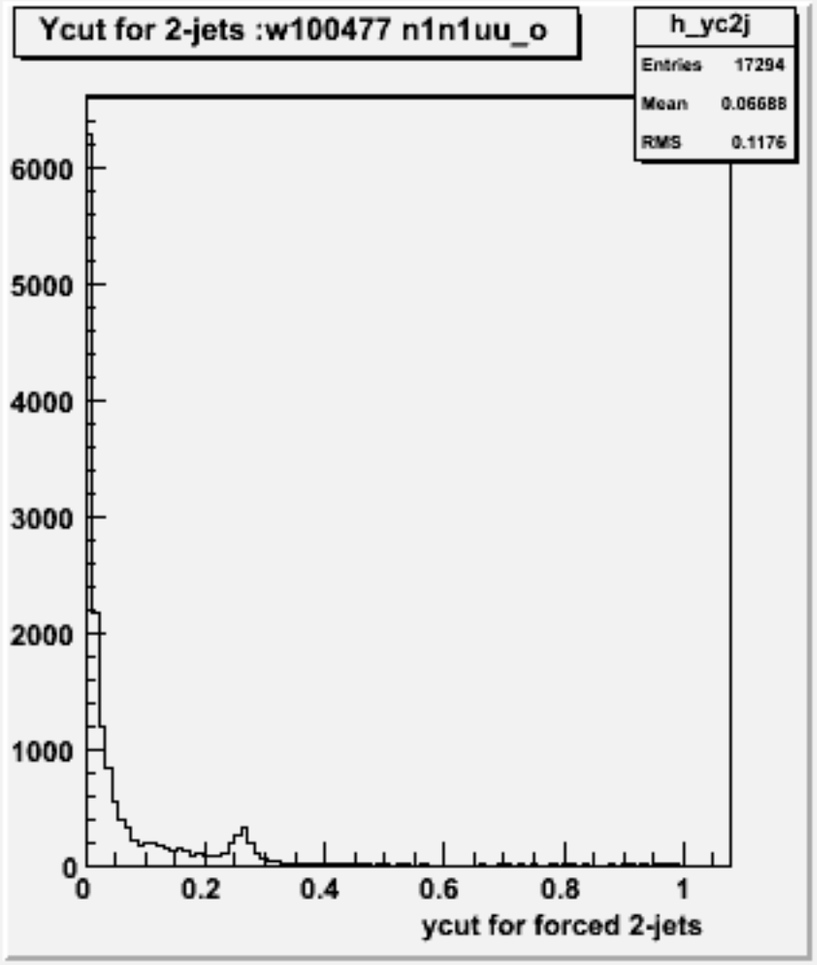

Pt Sum: w100477 n1n1uu_o
h_pt
Entries 17325
Mean 72.71
RMS 41.73
Pt(sum) (GeV)

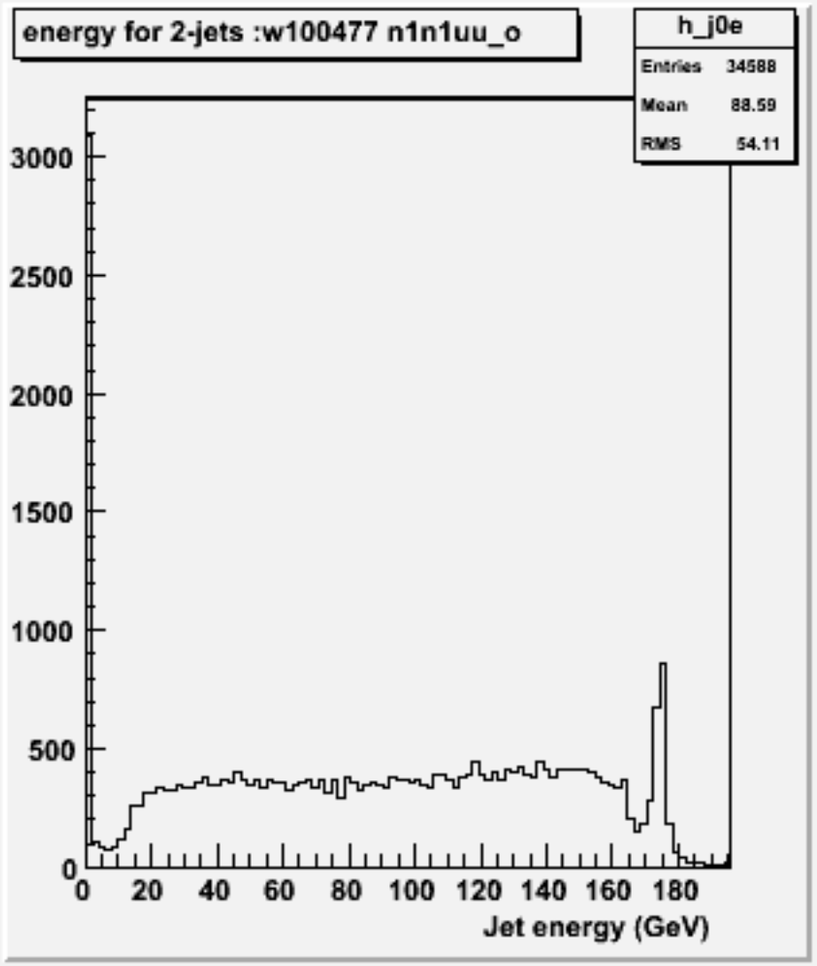

Pz Sum: w100477 n1n1uu_o
h_pz
Entries 17325
Mean 0.3253
RMS 111.8
Pz(sum) (GeV)

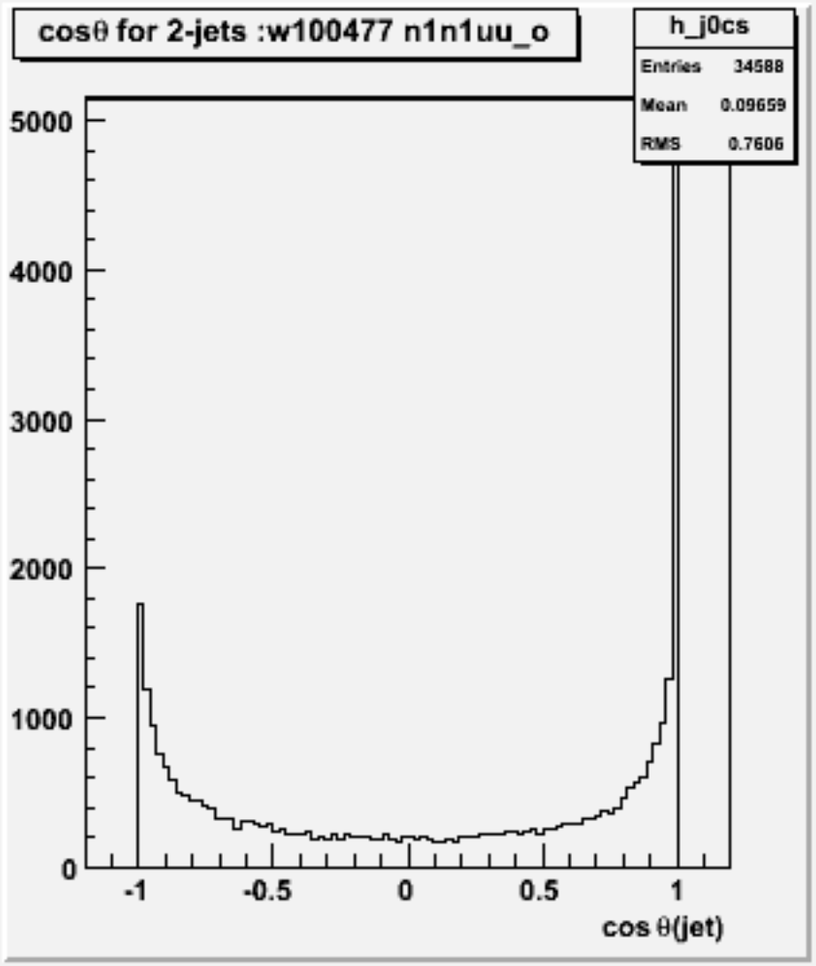

Thrust w100477 n1n1uu_o
h_thrust
Entries 17325
Mean 0.8725
RMS 0.07174
Thrust

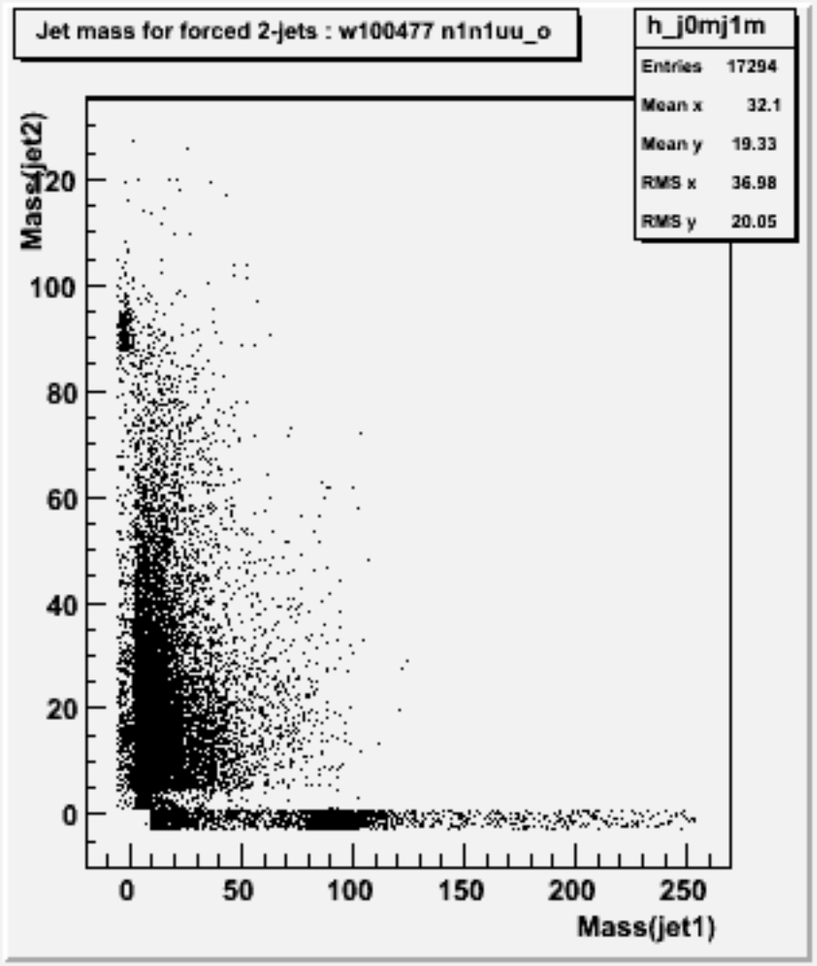

cosΘ(thrust) w100477 n1n1uu_o
h_csth
Entries 17325
Mean -0.004695
RMS 0.8061
Thrust

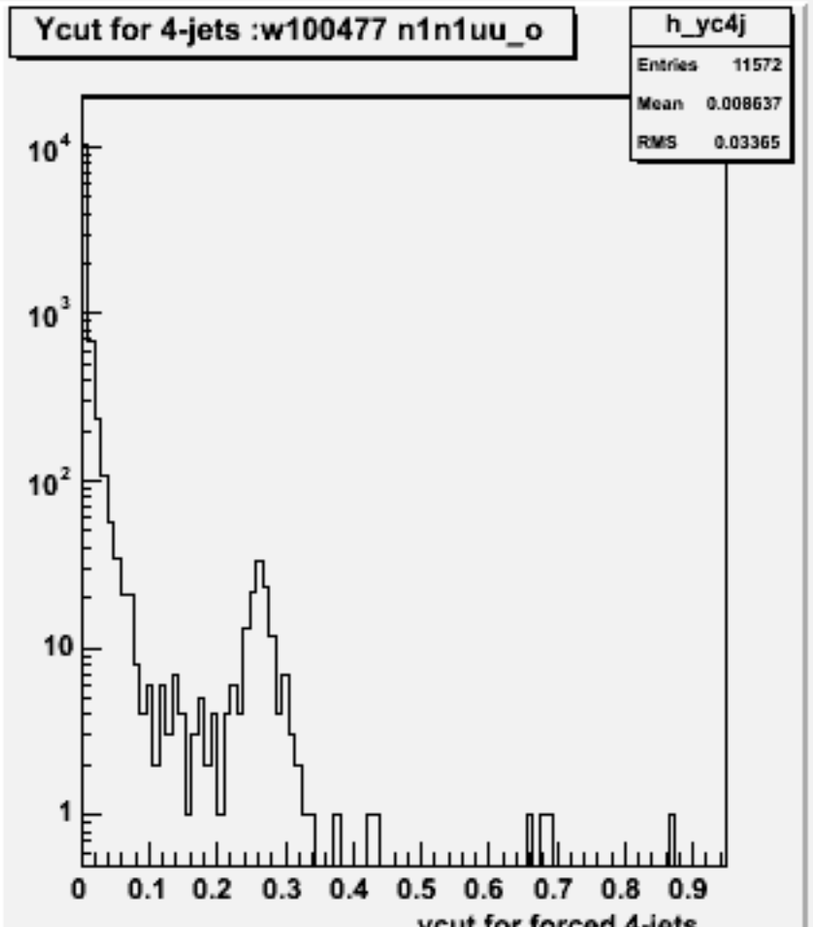

No. jets (ycut=0.001) : w100477 n1n1uu_o
h_njets
Entries 17325
Mean 4.078
RMS 1.205
No. of jets

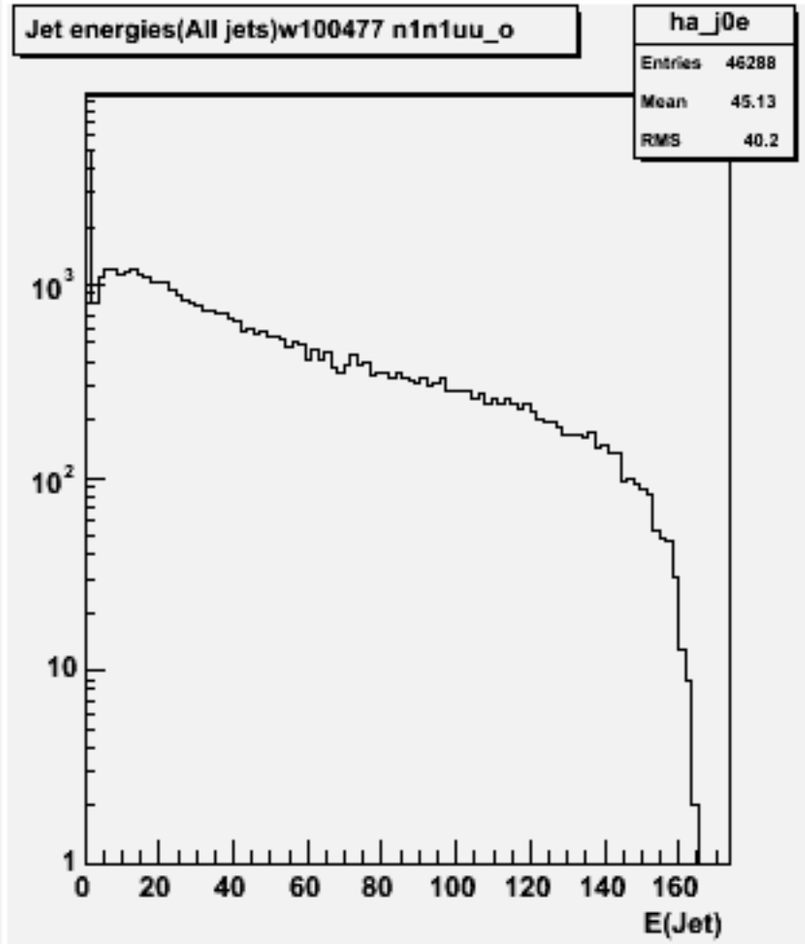

Ycut for 2-jets :w100477 n1n1uu_o
h_yc2j
Entries 17294
Mean 0.06688
RMS 0.1176
ycut for forced 2-jets

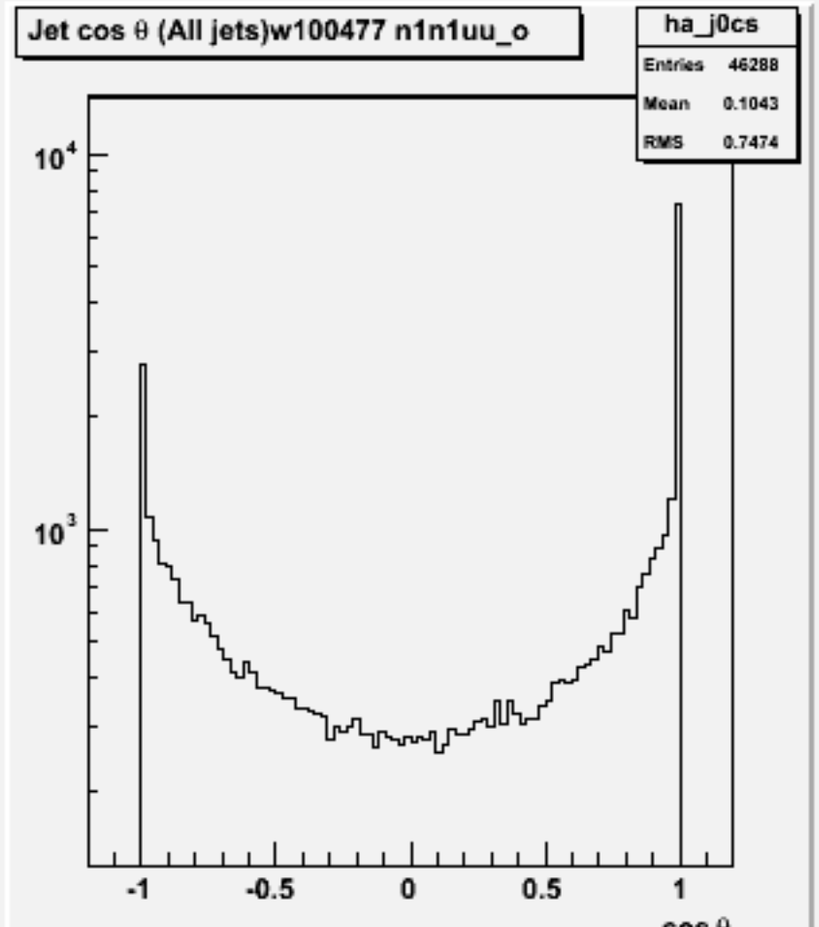

energy for 2-jets :w100477 n1n1uu_o
h_j0e
Entries 34588
Mean 88.59
RMS 54.11
Jet energy (GeV)

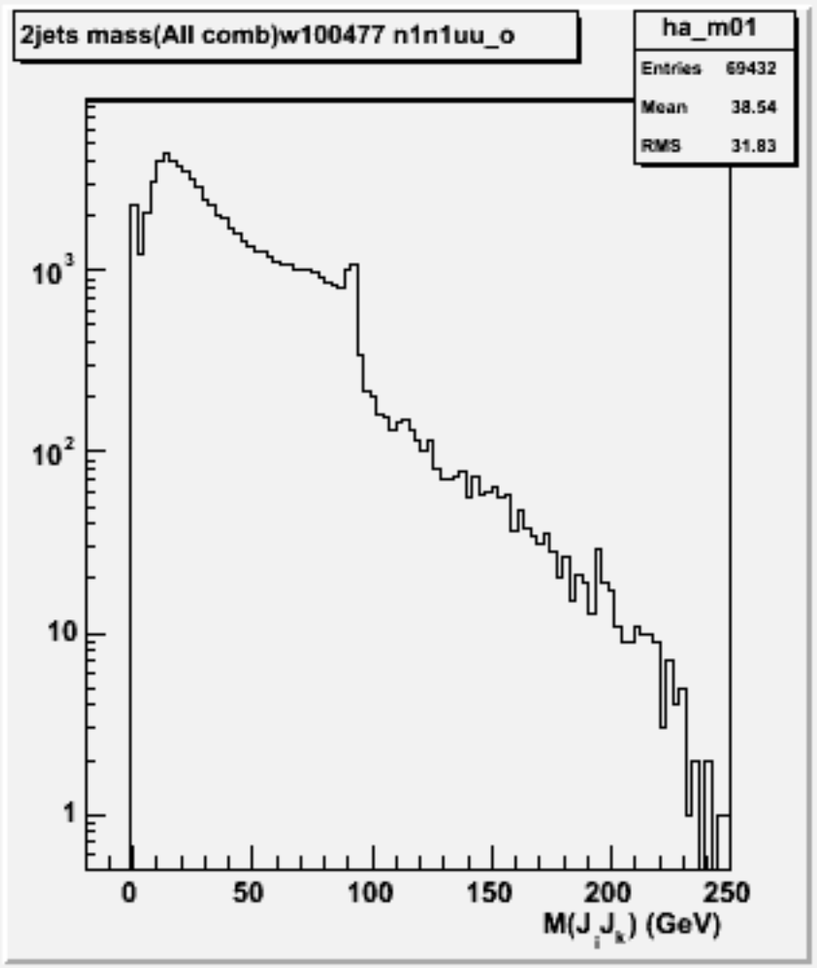

cosθ for 2-jets :w100477 n1n1uu_o
h_j0cs
Entries 34588
Mean 0.09659
RMS 0.7606
cos θ(jet)

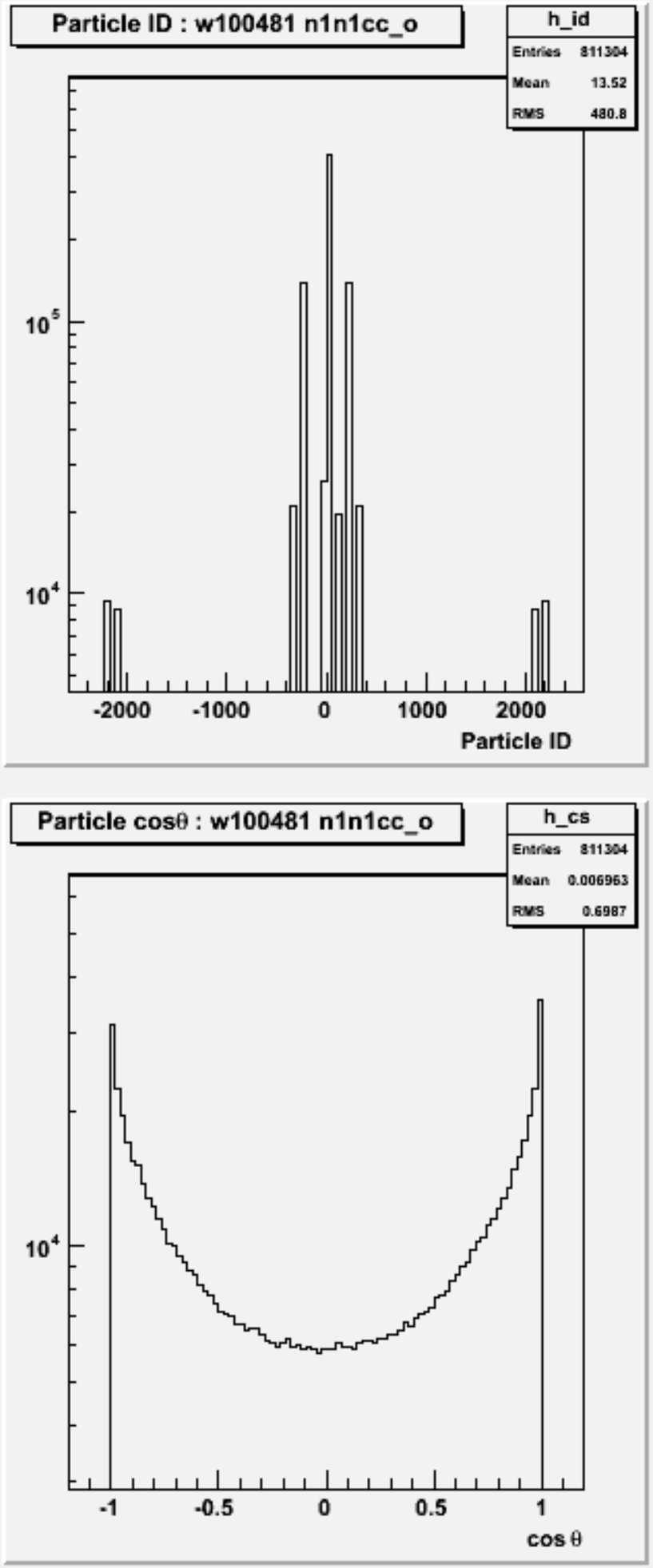

Jet mass for forced 2-jets : w100477 n1n1uu_o
h_j0mj1m
Entries 17294
Mean x 32.1
Mean y 19.33
RMS x 36.98
RMS y 20.05
Mass(jet2)
Mass(jet1)

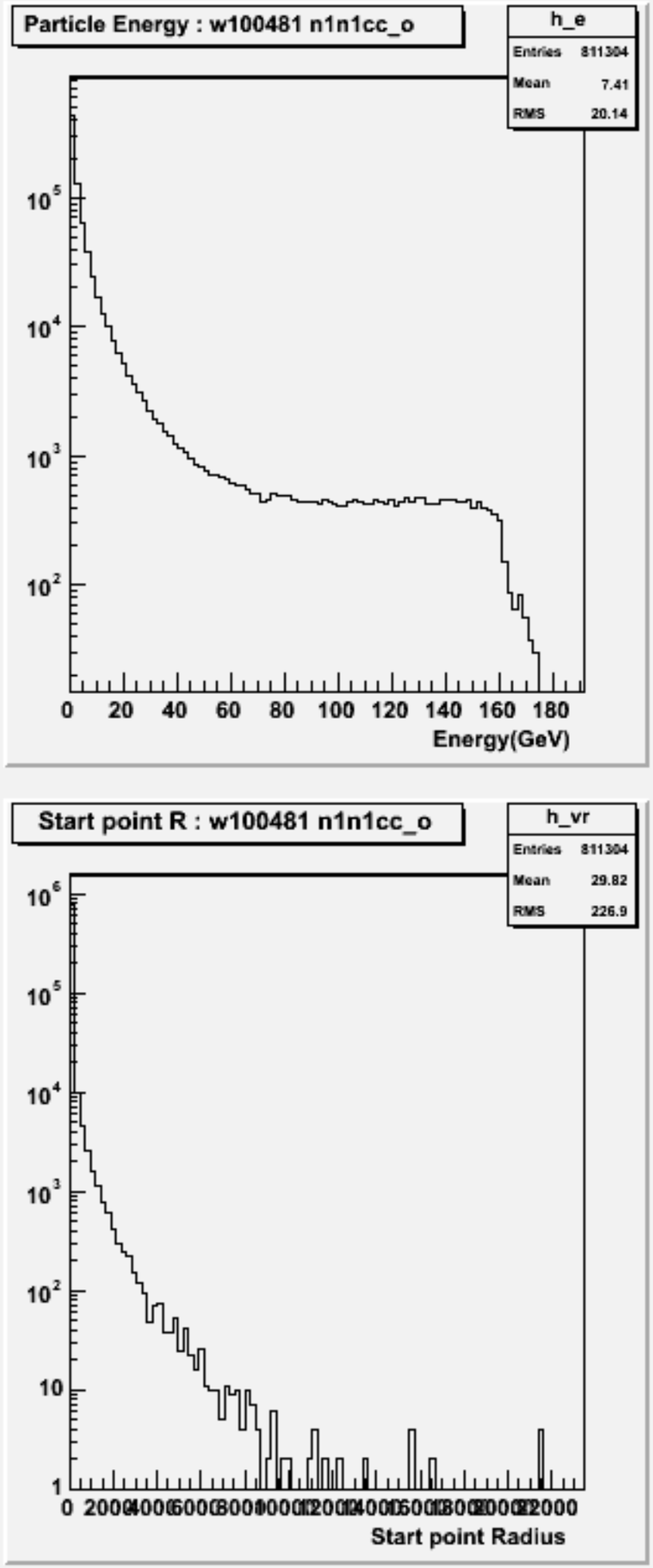

Ycut for 4-jets :w100477 n1n1uu_o
h_yc4j
Entries 11572
Mean 0.008637
RMS 0.03365
ycut for forced 4-jets

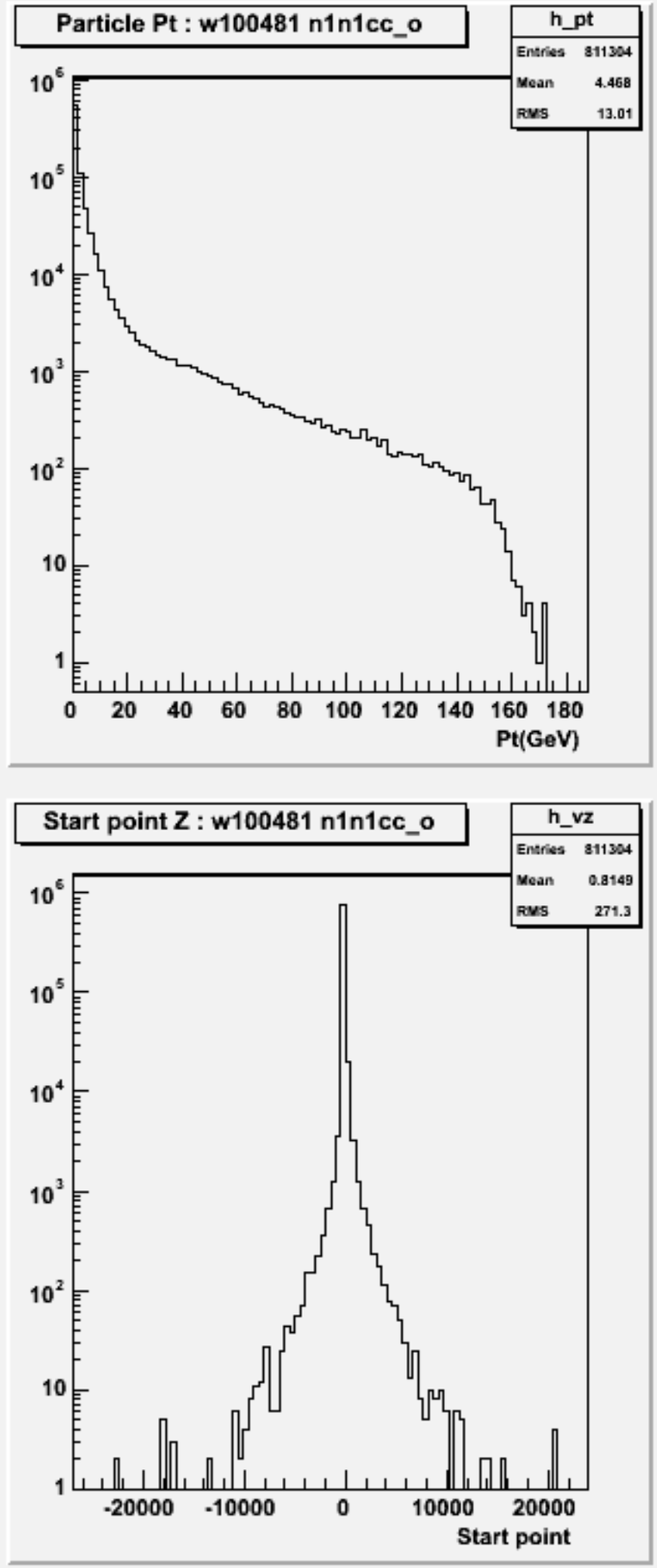

Jet energies(All jets)w100477 n1n1uu_o
ha_j0e
Entries 46288
Mean 45.13
RMS 40.2
E(Jet)


Jet cos θ (All jets)w100477 n1n1uu_o
ha_j0cs
Entries 46288
Mean 0.1043
RMS 0.7474
cos θ


2jets mass(All comb)w100477 n1n1uu_o
ha_m01
Entries 69432
Mean 38.54
RMS 31.83
M(J_iJ_k) (GeV)


Particle ID : w100481 n1n1cc_o
h_id
Entries 811304
Mean 13.52
RMS 480.8
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

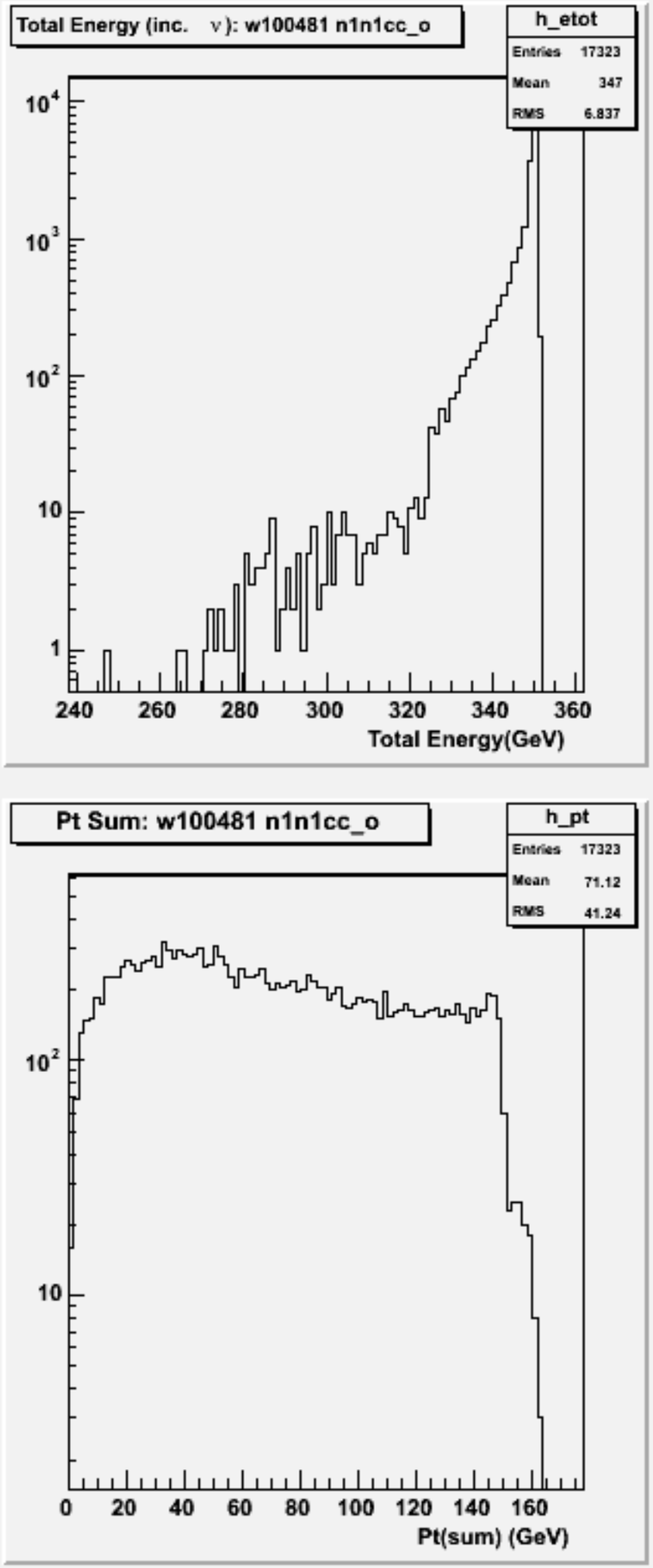

Particle Energy : w100481 n1n1cc_o
h_e
Entries 811304
Mean 7.41
RMS 20.14
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

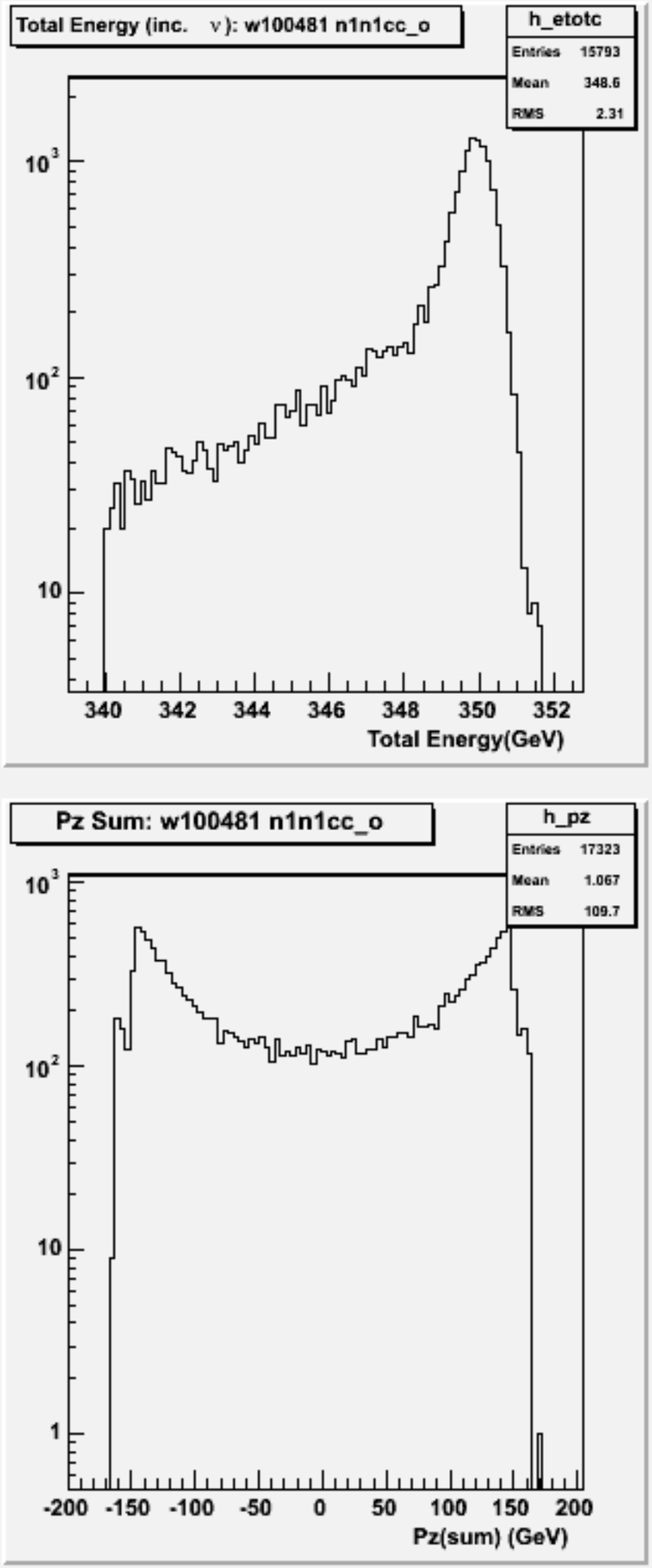

Particle Pt : w100481 n1n1cc_o
h_pt
Entries 811304
Mean 4.468
RMS 13.01
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

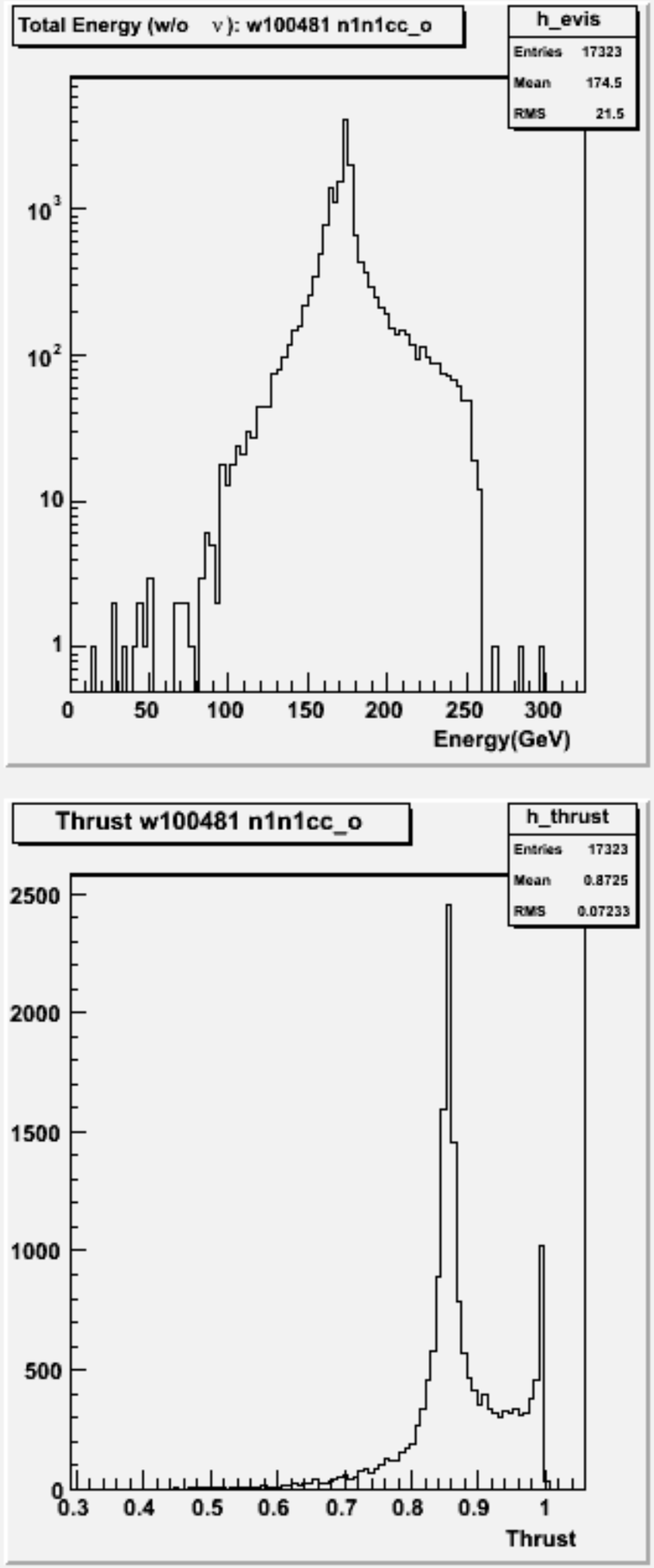
Particle cosθ : w100481 n1n1cc_o
h_cs
Entries 811304
Mean 0.006963
RMS 0.6987
10^4
-1
-0.5
0
0.5
1
cos θ

Start point R : w100481 n1n1cc_o
h_vr
Entries 811304
Mean 29.82
RMS 226.9
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000
Start point Radius

Start point Z : w100481 n1n1cc_o
h_vz
Entries 811304
Mean 0.8149
RMS 271.3
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
Start point


Total Energy (inc. ν): w100481 n1n1cc_o
h_etot
Entries 17323
Mean 347
RMS 6.837
Total Energy(GeV)

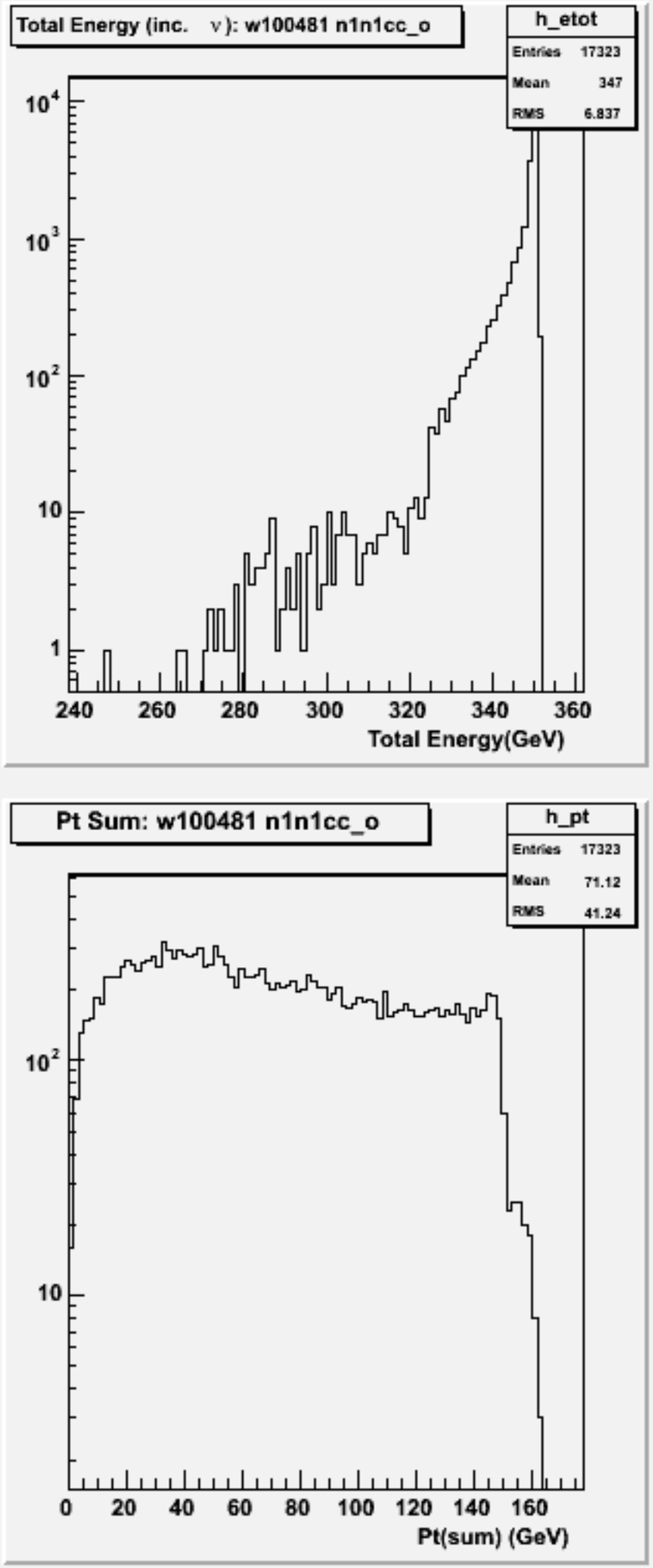

Total Energy (inc. ν): w100481 n1n1cc_o
h_etotc
Entries 15793
Mean 348.6
RMS 2.31
Total Energy(GeV)

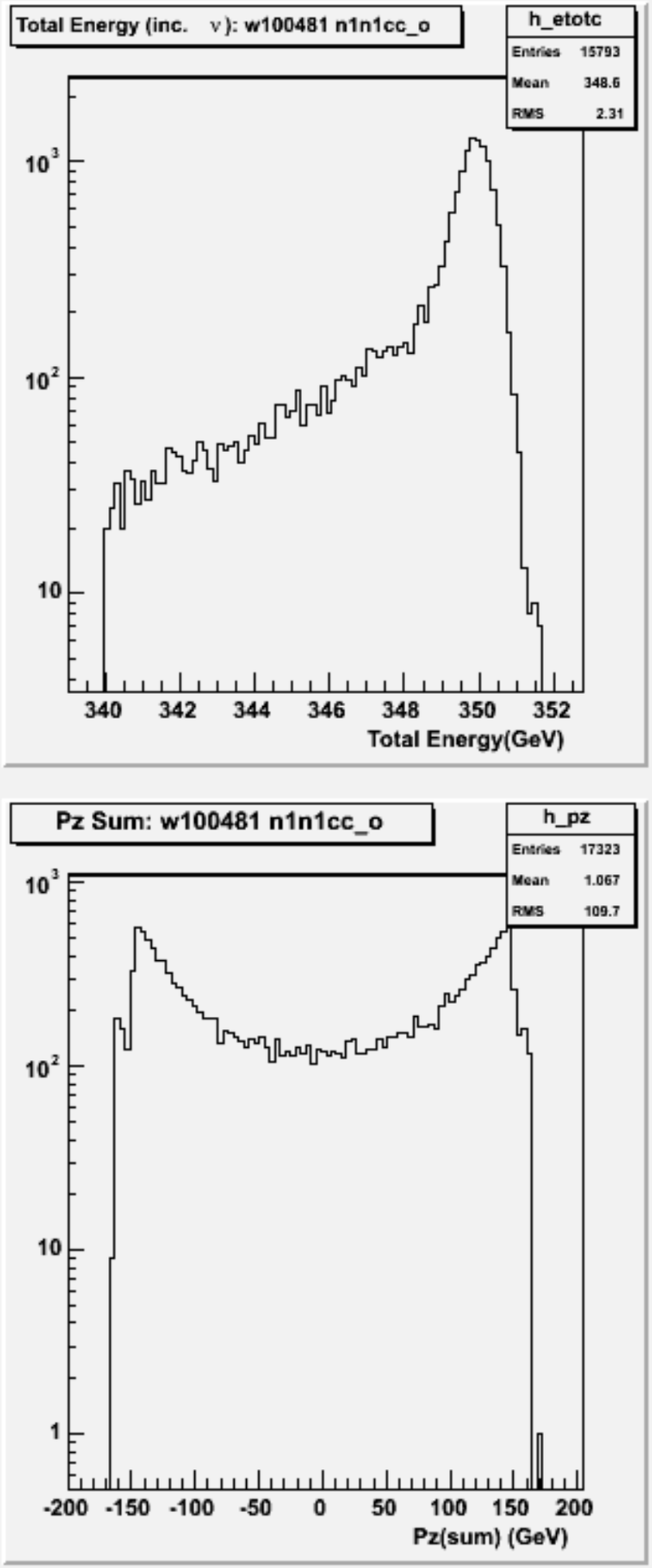

Total Energy (w/o ν): w100481 n1n1cc_o
h_evis
Entries 17323
Mean 174.5
RMS 21.5
Energy(GeV)

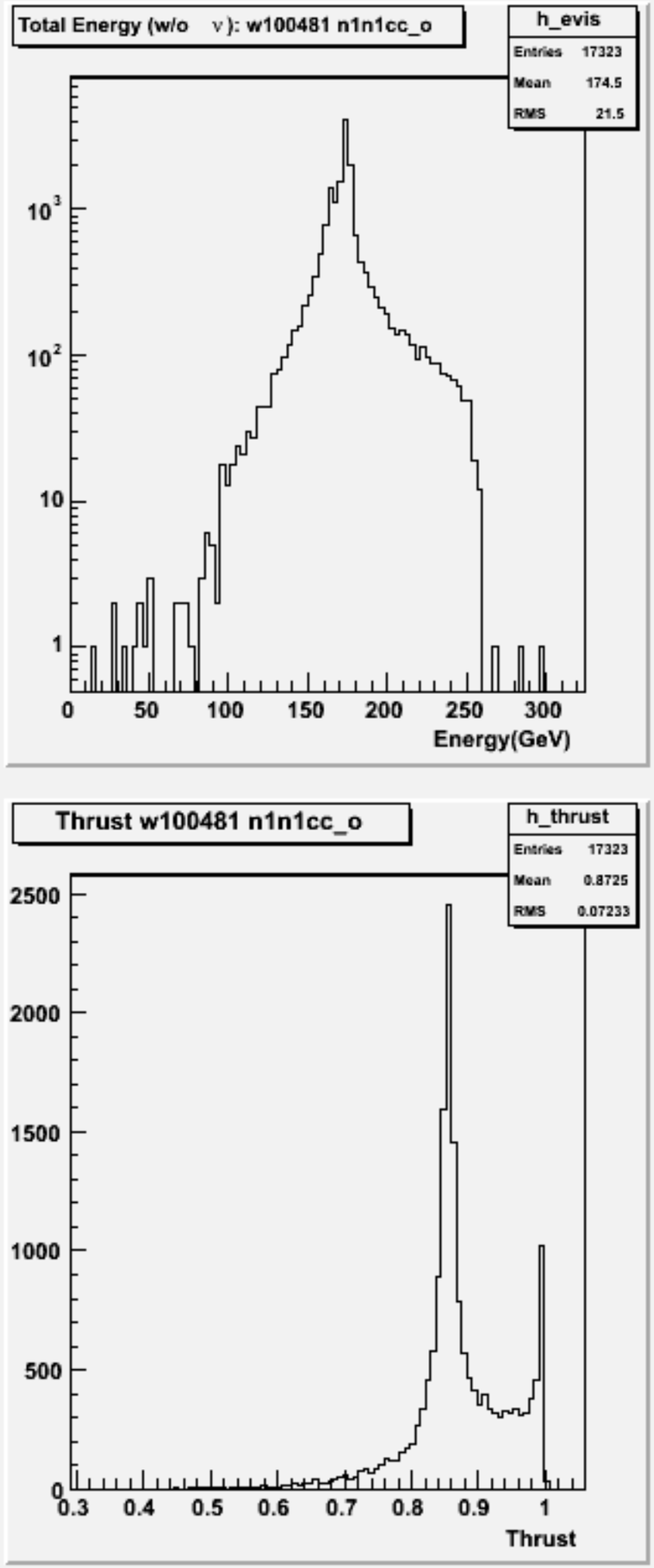
Pt Sum: w100481 n1n1cc_o
h_pt
Entries 17323
Mean 71.12
RMS 41.24
Pt(sum) (GeV)

Pz Sum: w100481 n1n1cc_o
h_pz
Entries 17323
Mean 1.067
RMS 109.7
Pz(sum) (GeV)

Thrust w100481 n1n1cc_o
h_thrust
Entries 17323
Mean 0.8725
RMS 0.07233
Thrust


Total Energy (inc. ν): w100481 n1n1cc_o
h_etot
Entries 17323
Mean 347
RMS 6.837
Total Energy(GeV)

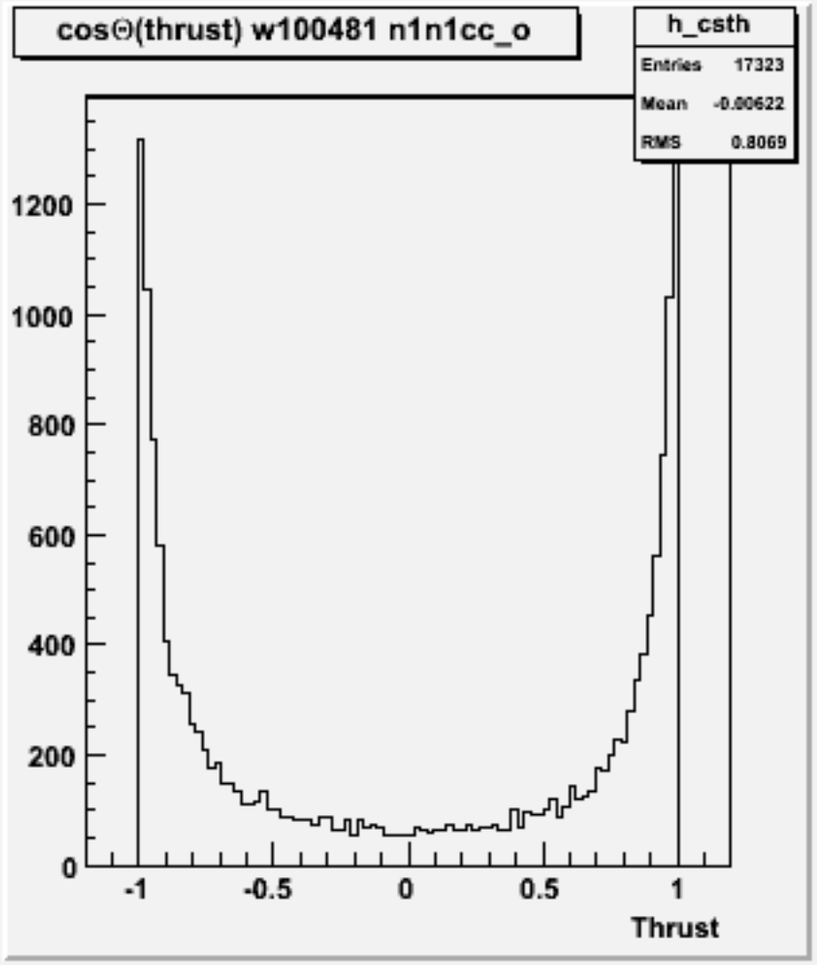

Total Energy (inc. ν): w100481 n1n1cc_o
h_etotc
Entries 15793
Mean 348.6
RMS 2.31
Total Energy(GeV)

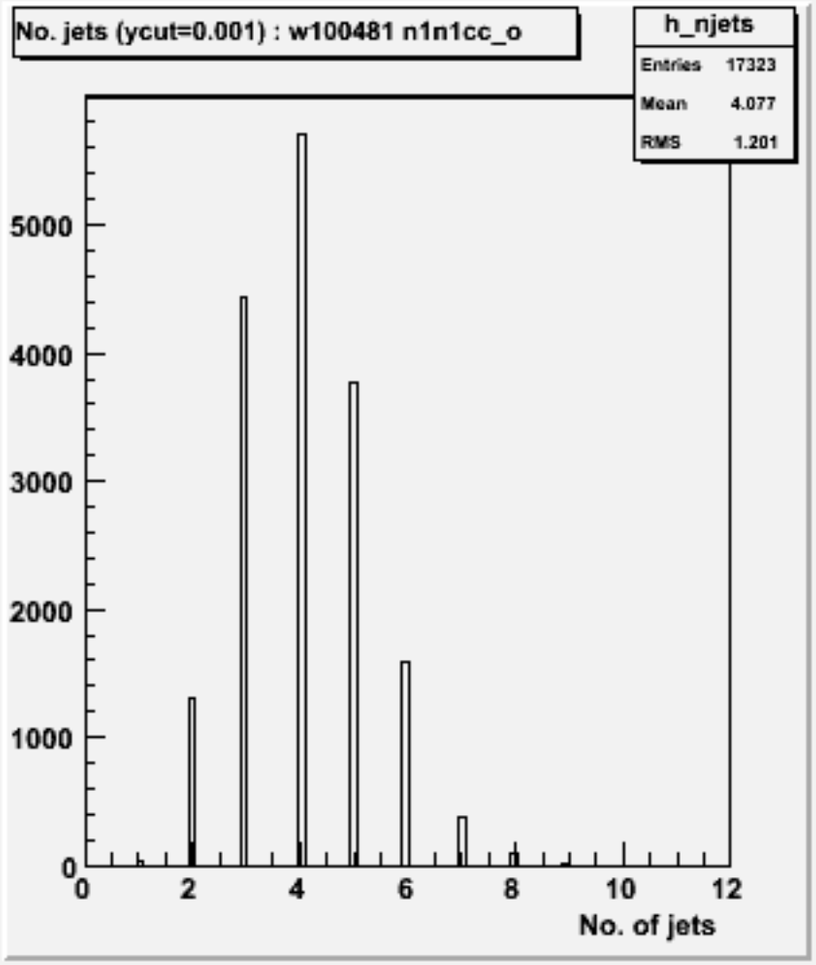

Total Energy (w/o ν): w100481 n1n1cc_o
h_evis
Entries 17323
Mean 174.5
RMS 21.5
Energy(GeV)

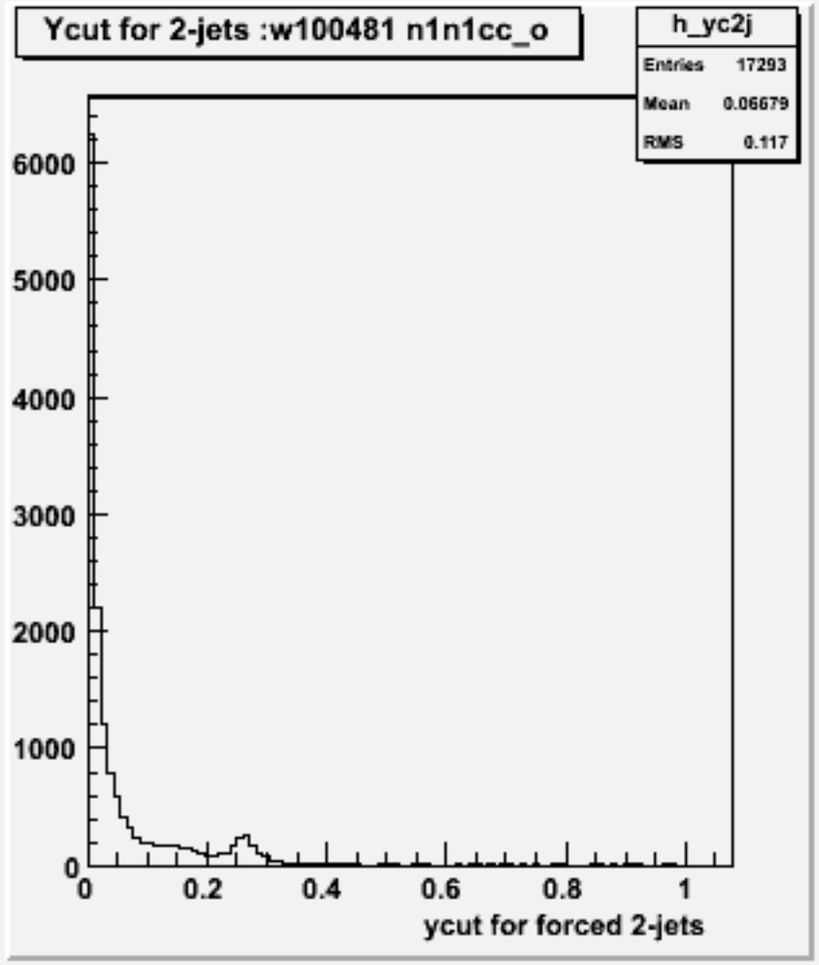
Pt Sum: w100481 n1n1cc_o
h_pt
Entries 17323
Mean 71.12
RMS 41.24
Pt(sum) (GeV)

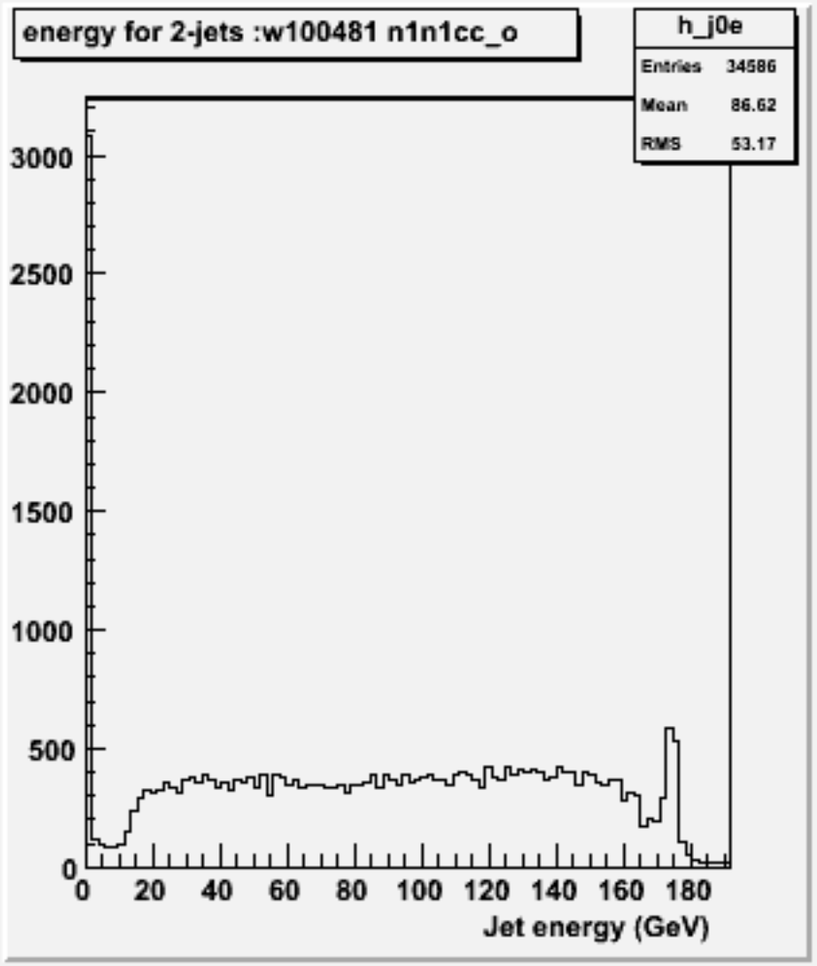
Pz Sum: w100481 n1n1cc_o
h_pz
Entries 17323
Mean 1.067
RMS 109.7
Pz(sum) (GeV)

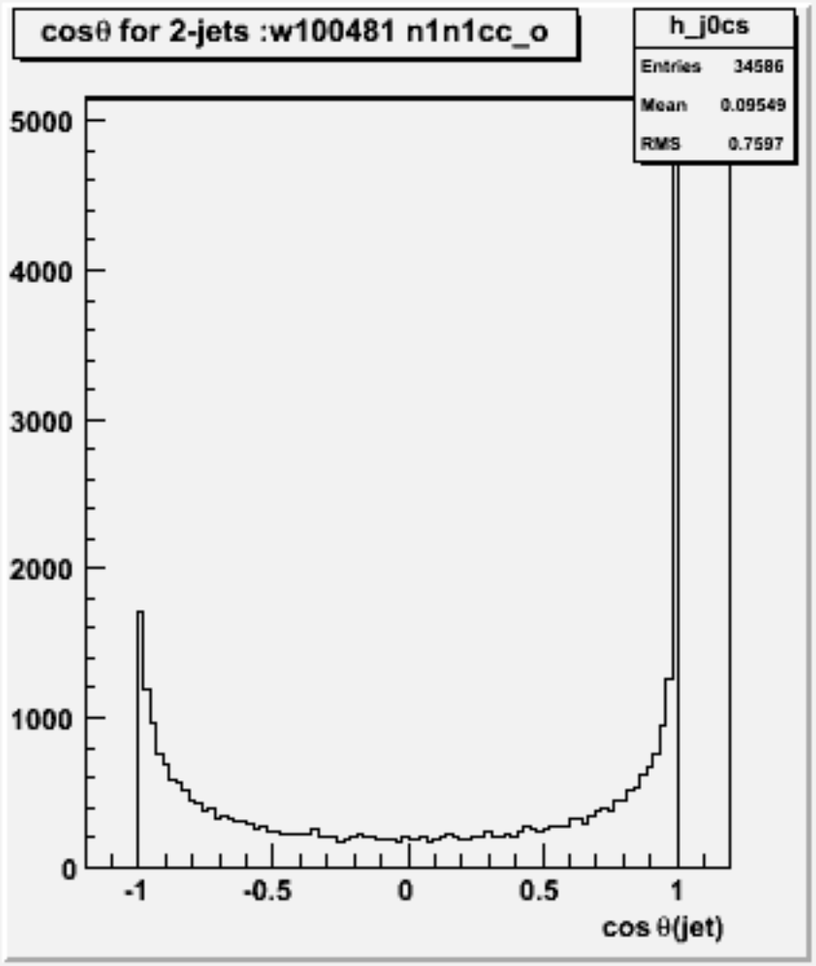
Thrust w100481 n1n1cc_o
h_thrust
Entries 17323
Mean 0.8725
RMS 0.07233
Thrust

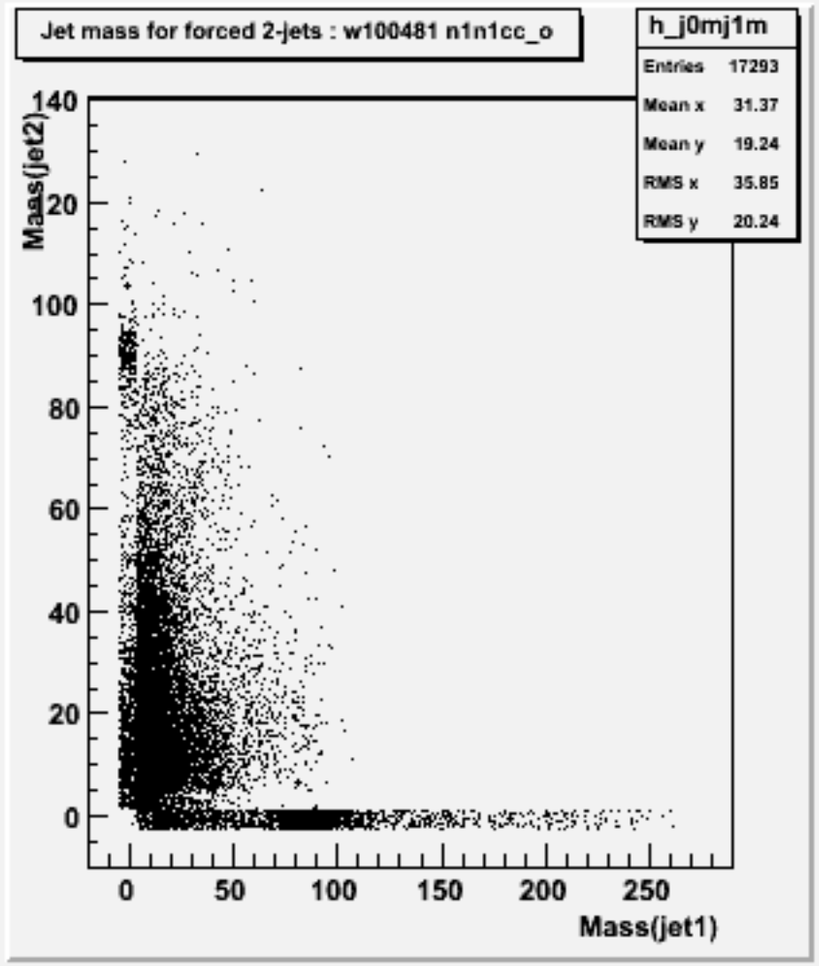

cosΘ(thrust) w100481 n1n1cc_o
h_csth
Entries 17323
Mean -0.00622
RMS 0.8069
Thrust

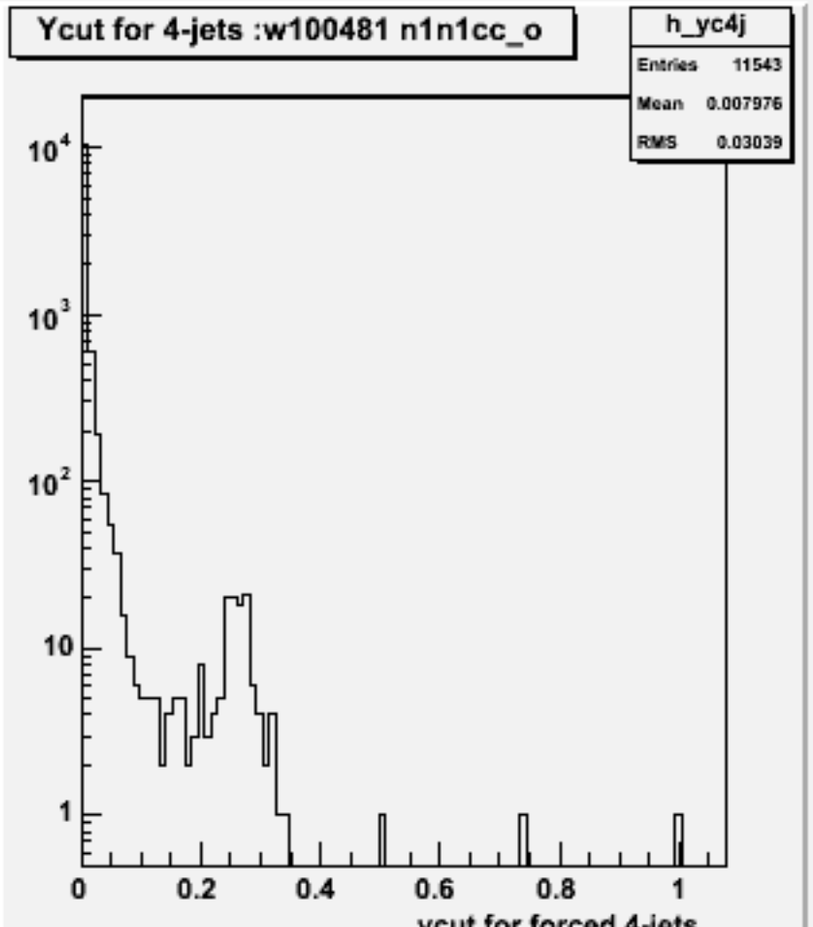

No. jets (ycut=0.001) : w100481 n1n1cc_o
h_njets
Entries 17323
Mean 4.077
RMS 1.201
No. of jets

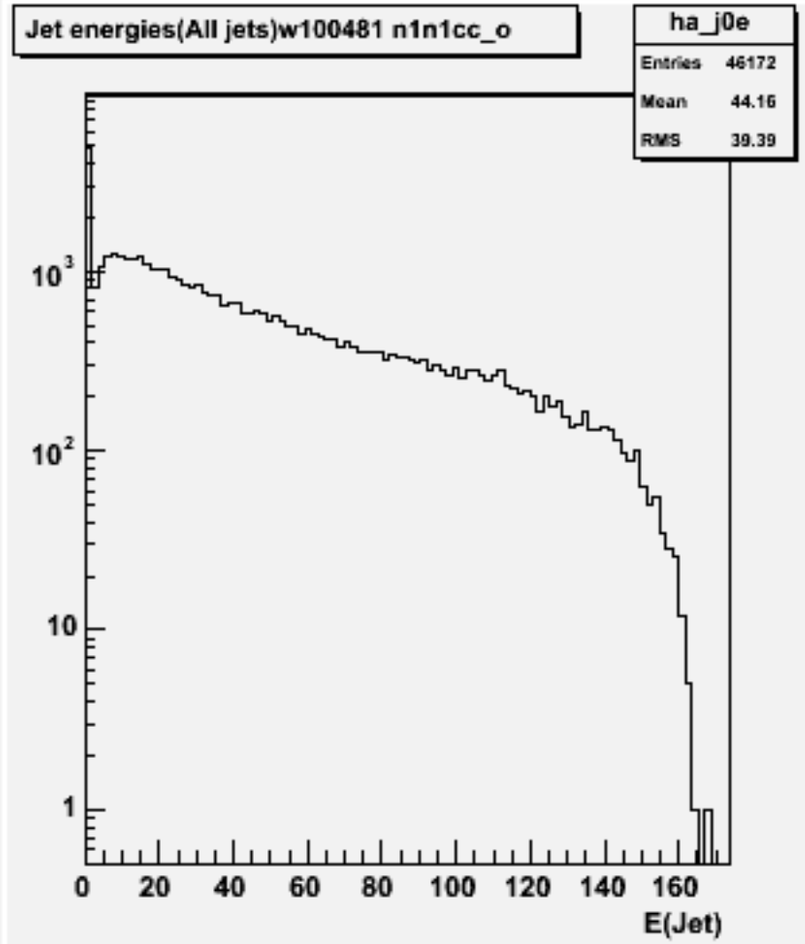

Ycut for 2-jets :w100481 n1n1cc_o
h_yc2j
Entries 17293
Mean 0.06679
RMS 0.117
ycut for forced 2-jets

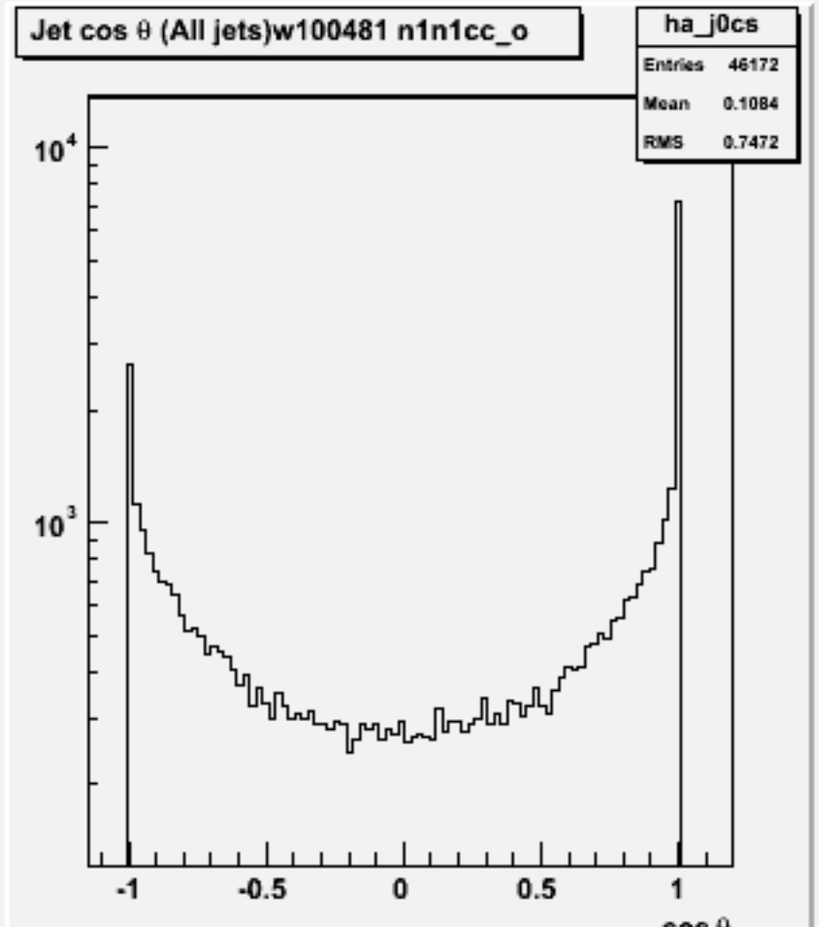

energy for 2-jets :w100481 n1n1cc_o
h_j0e
Entries 34586
Mean 86.62
RMS 53.17
Jet energy (GeV)

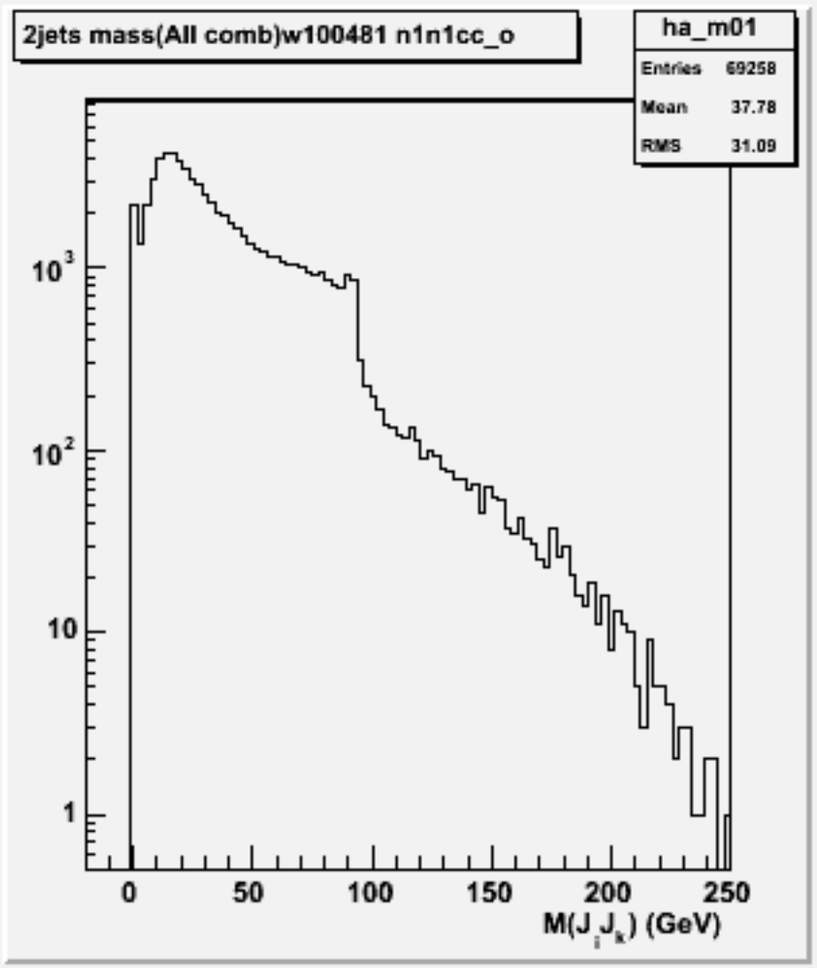

cosθ for 2-jets :w100481 n1n1cc_o
h_j0cs
Entries 34586
Mean 0.09549
RMS 0.7597
cos θ(jet)

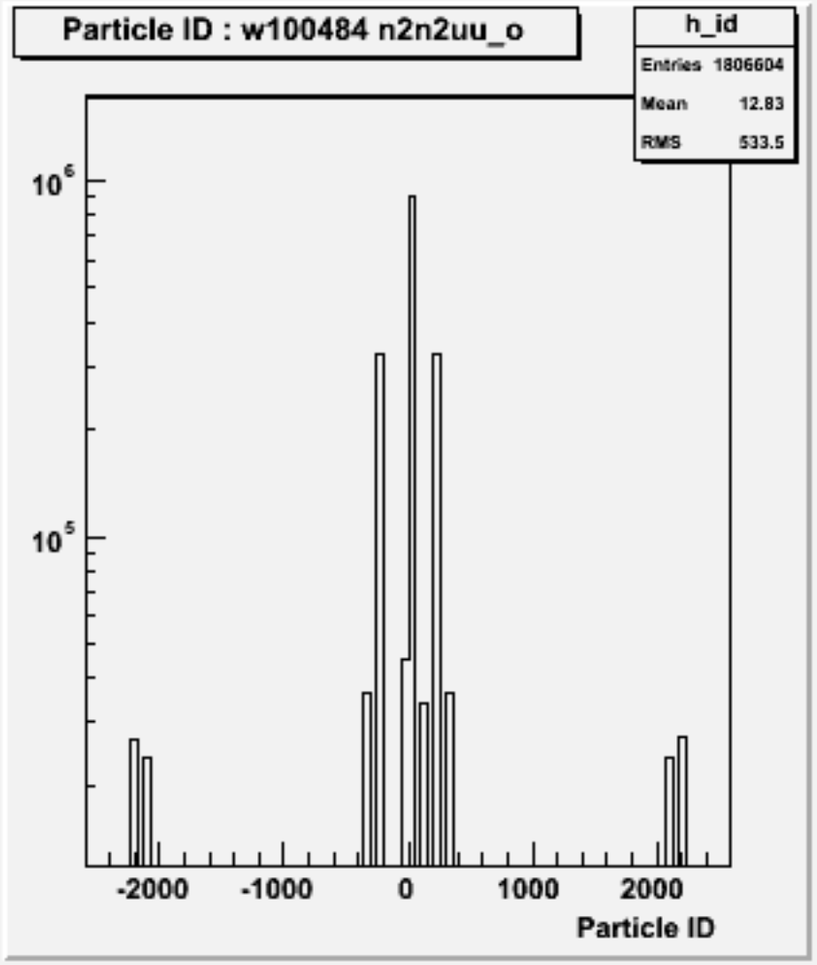

Jet mass for forced 2-jets : w100481 n1n1cc_o
h_j0mj1m
Entries 17293
Mean x 31.37
Mean y 19.24
RMS x 35.85
RMS y 20.24
Mass(jet2)
Mass(jet1)

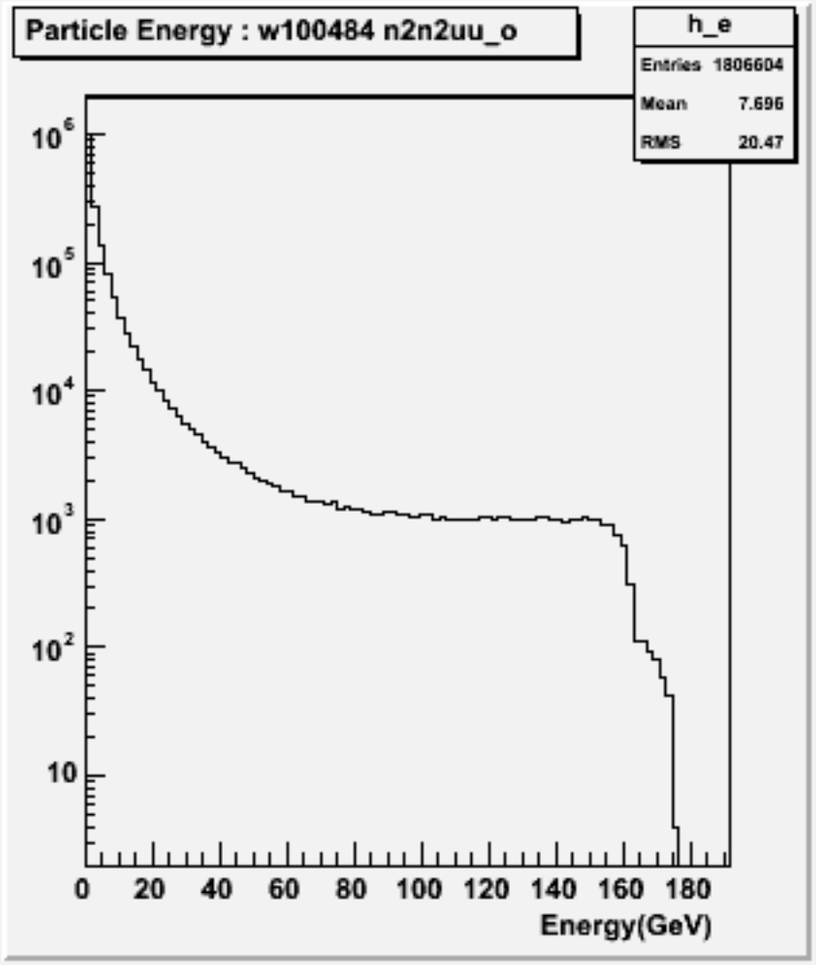

Ycut for 4-jets :w100481 n1n1cc_o
h_yc4j
Entries 11543
Mean 0.007976
RMS 0.03039
ycut for forced 4-jets

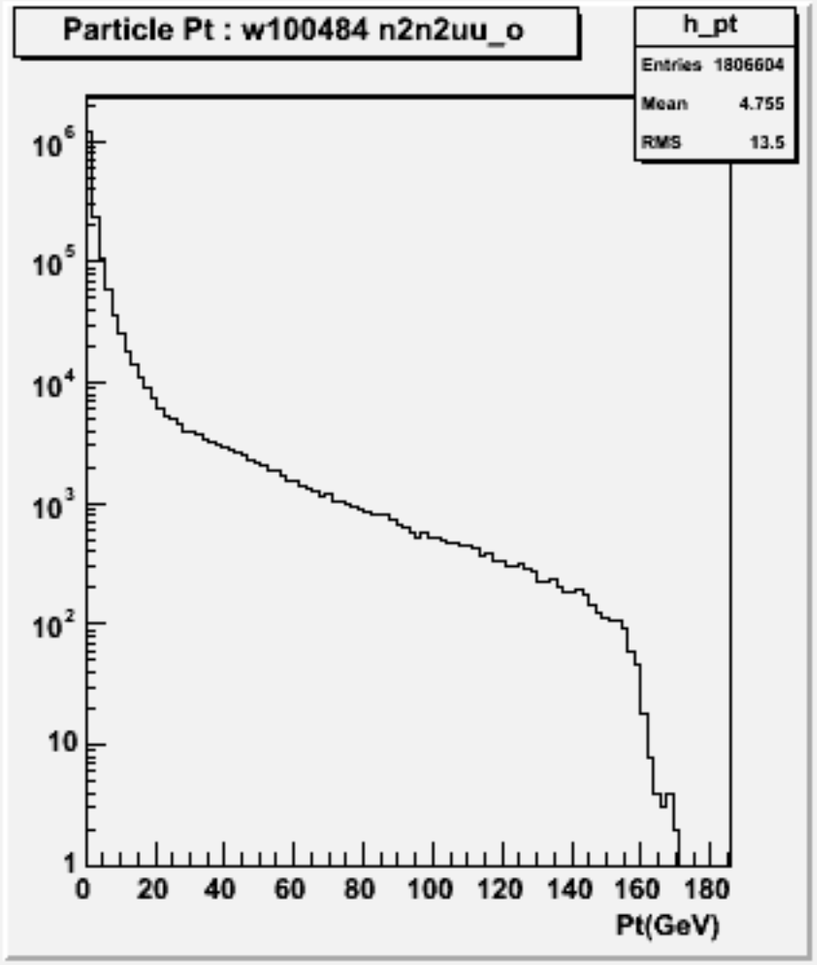

Jet energies(All jets)w100481 n1n1cc_o
ha_j0e
Entries 46172
Mean 44.16
RMS 39.39
E(Jet)

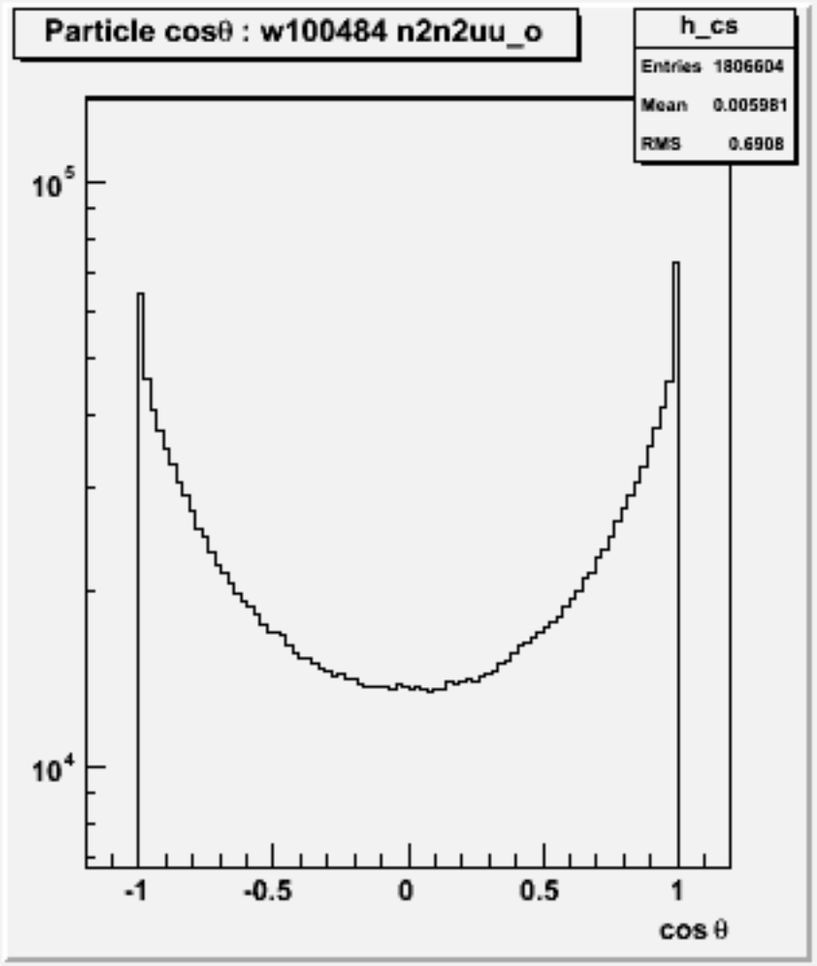

Jet cos θ (All jets)w100481 n1n1cc_o
ha_j0cs
Entries 46172
Mean 0.1084
RMS 0.7472
cos θ

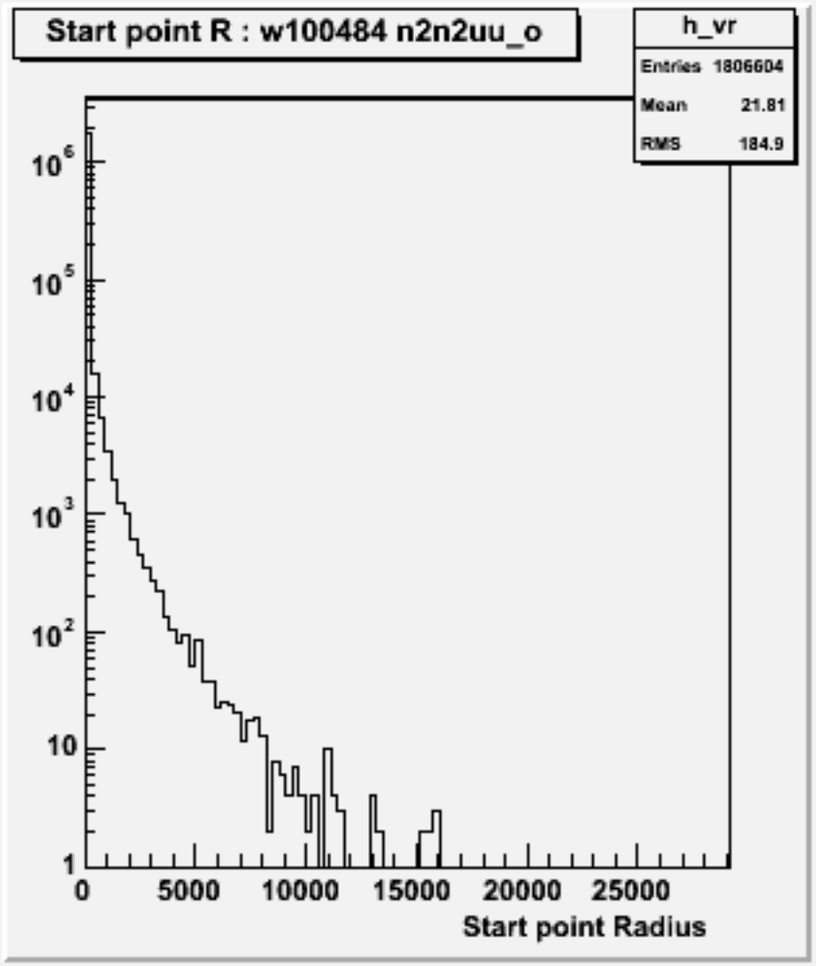

2jets mass(All comb)w100481 n1n1cc_o
ha_m01
Entries 69258
Mean 37.78
RMS 31.09
M(J_iJ_k) (GeV)

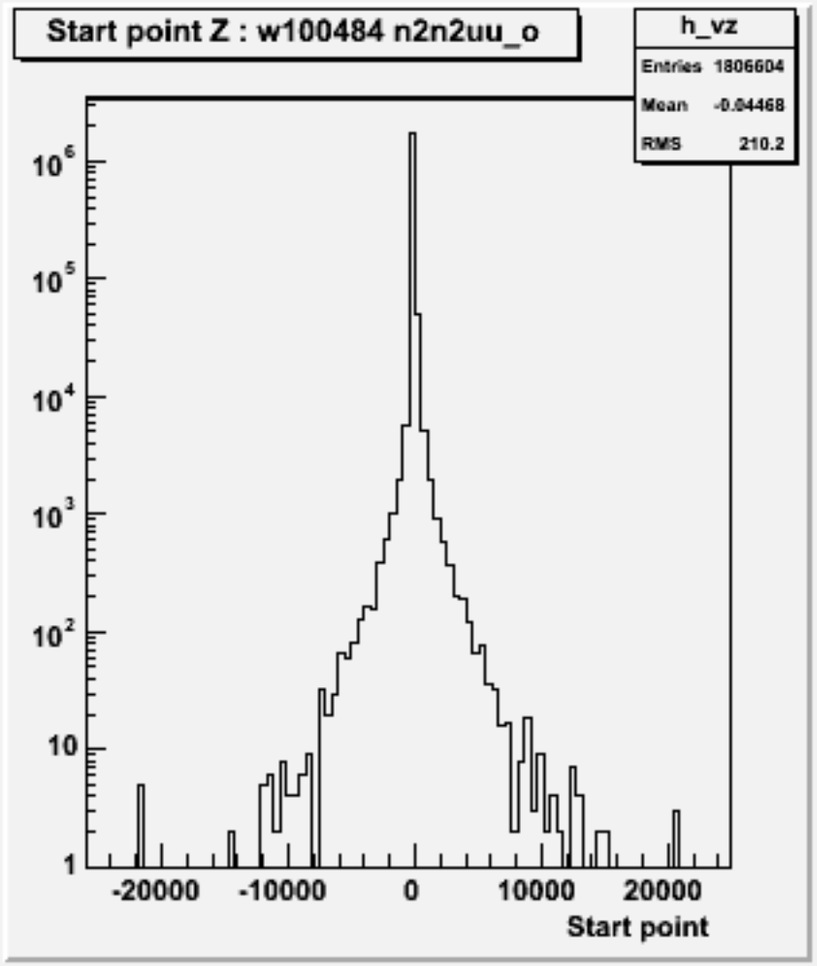

Particle ID : w100484 n2n2uu_o
h_id
Entries 1806604
Mean 12.83
RMS 533.5
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

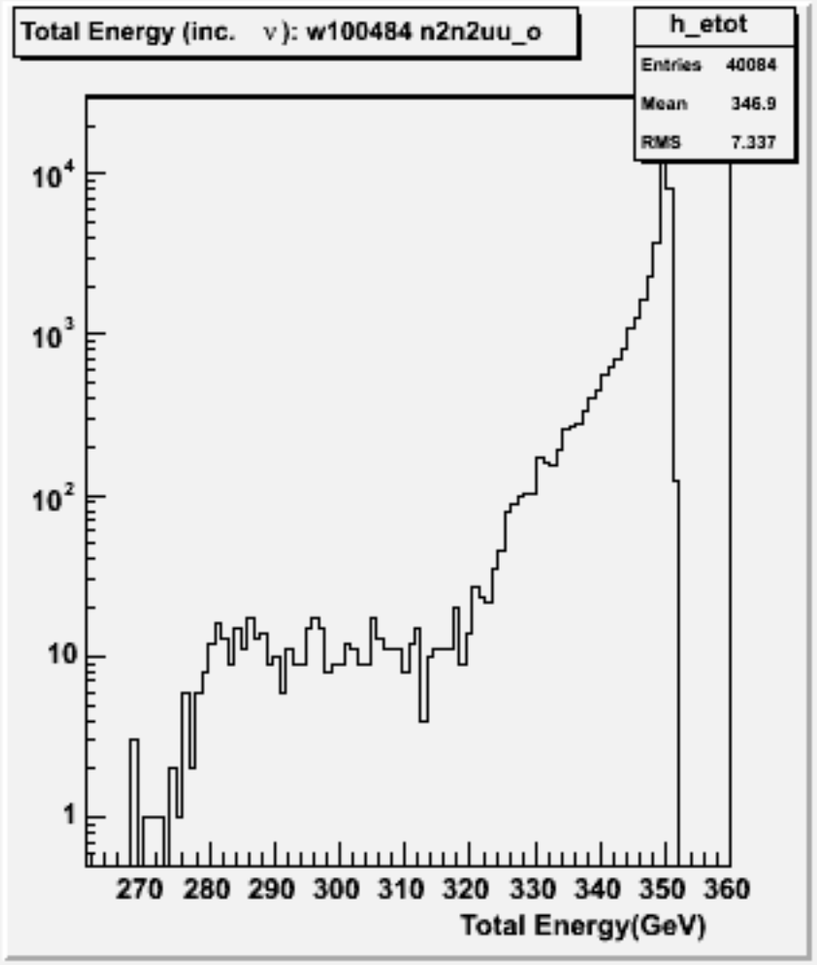

Particle Energy : w100484 n2n2uu_o
h_e
Entries 1806604
Mean 7.696
RMS 20.47
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

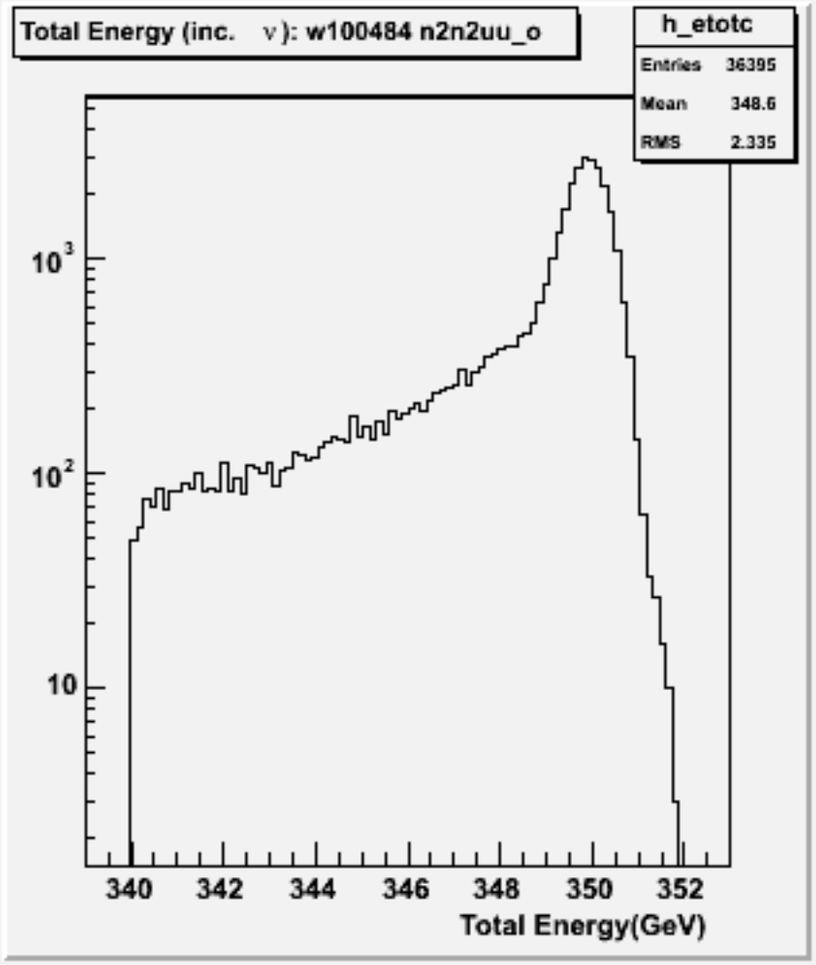

Particle Pt : w100484 n2n2uu_o
h_pt
Entries 1806604
Mean 4.755
RMS 13.5
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

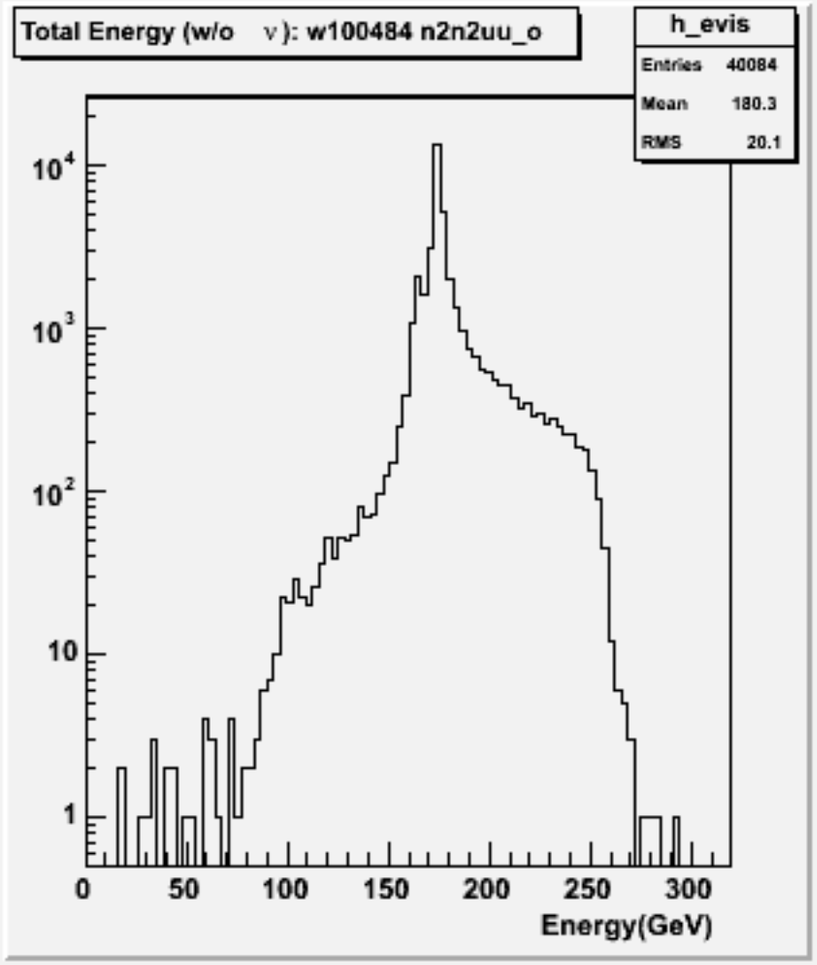

Particle cosθ : w100484 n2n2uu_o
h_cs
Entries 1806604
Mean 0.005981
RMS 0.6908
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

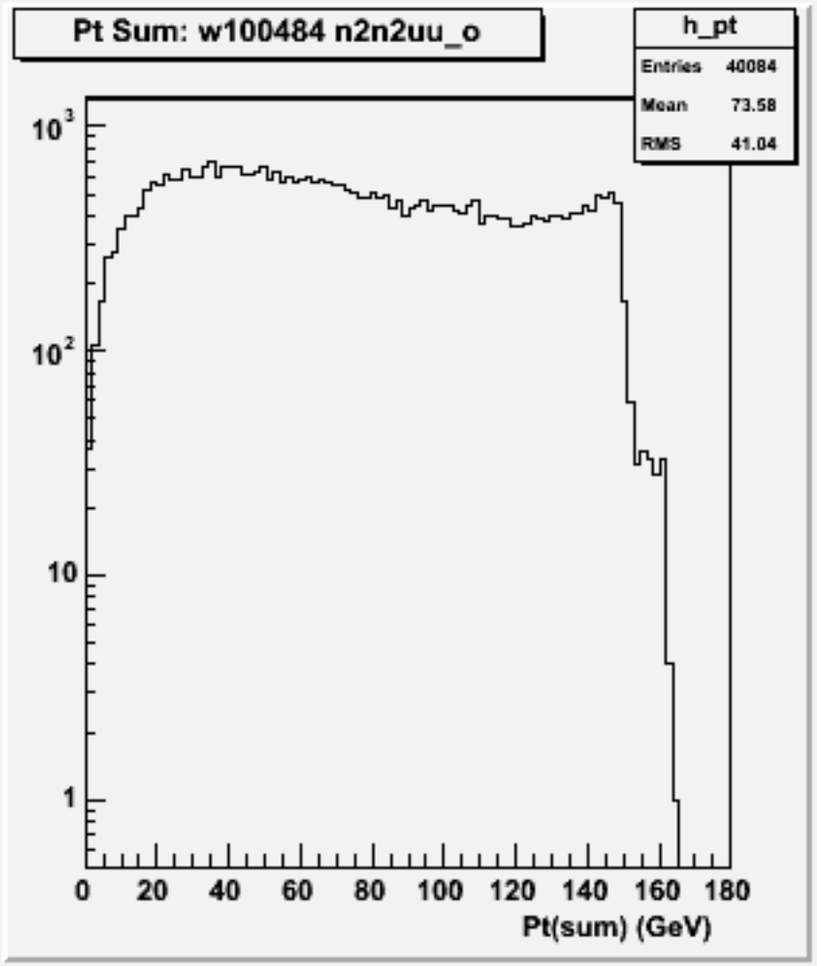

Start point R : w100484 n2n2uu_o
h_vr
Entries 1806604
Mean 21.81
RMS 184.9
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

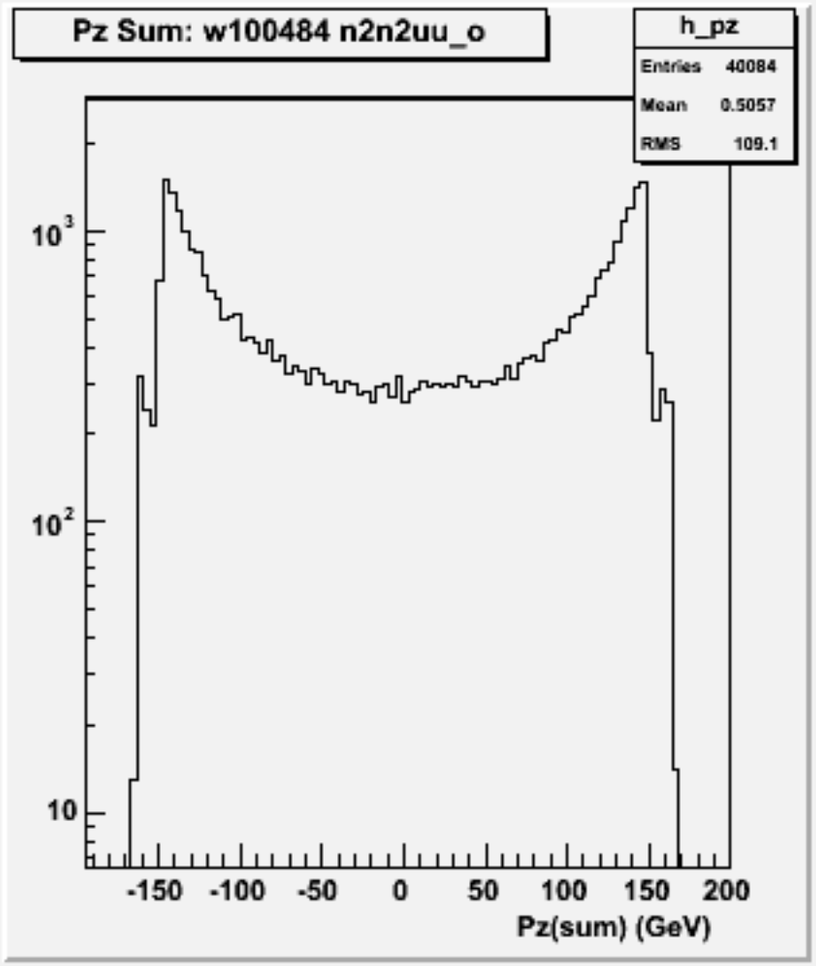

Start point Z : w100484 n2n2uu_o
h_vz
Entries 1806604
Mean -0.04468
RMS 210.2
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
Start point

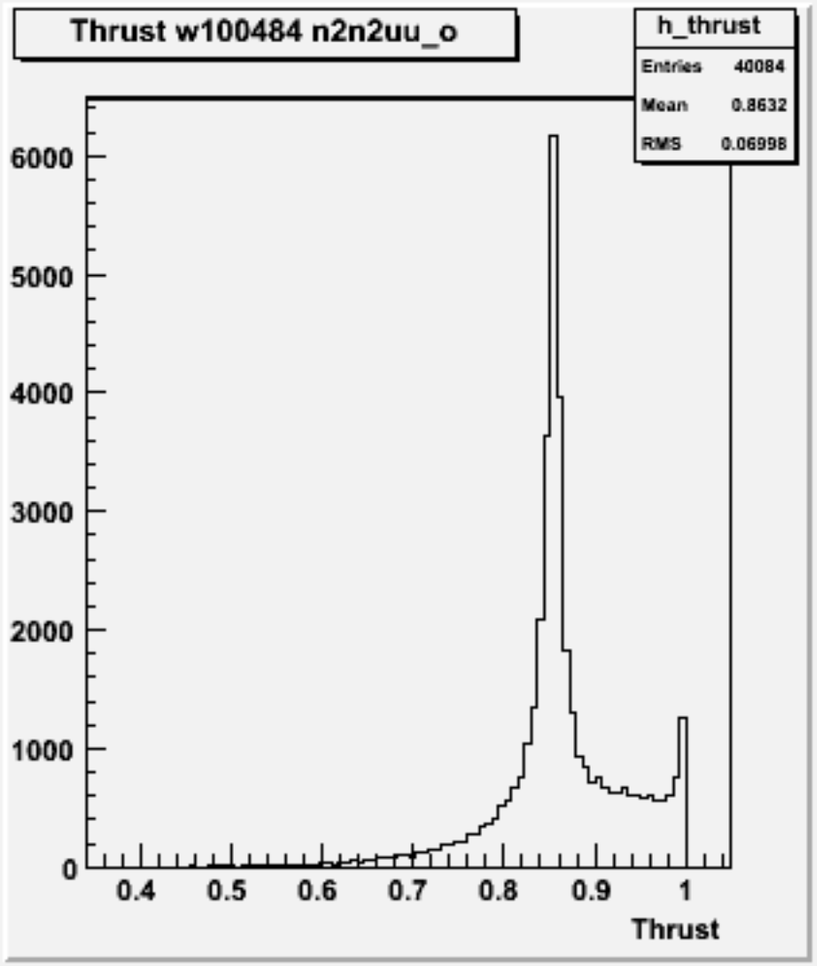

Total Energy (inc. ν): w100484 n2n2uu_o
h_etot
Entries 40084
Mean 346.9
RMS 7.337
Total Energy(GeV)

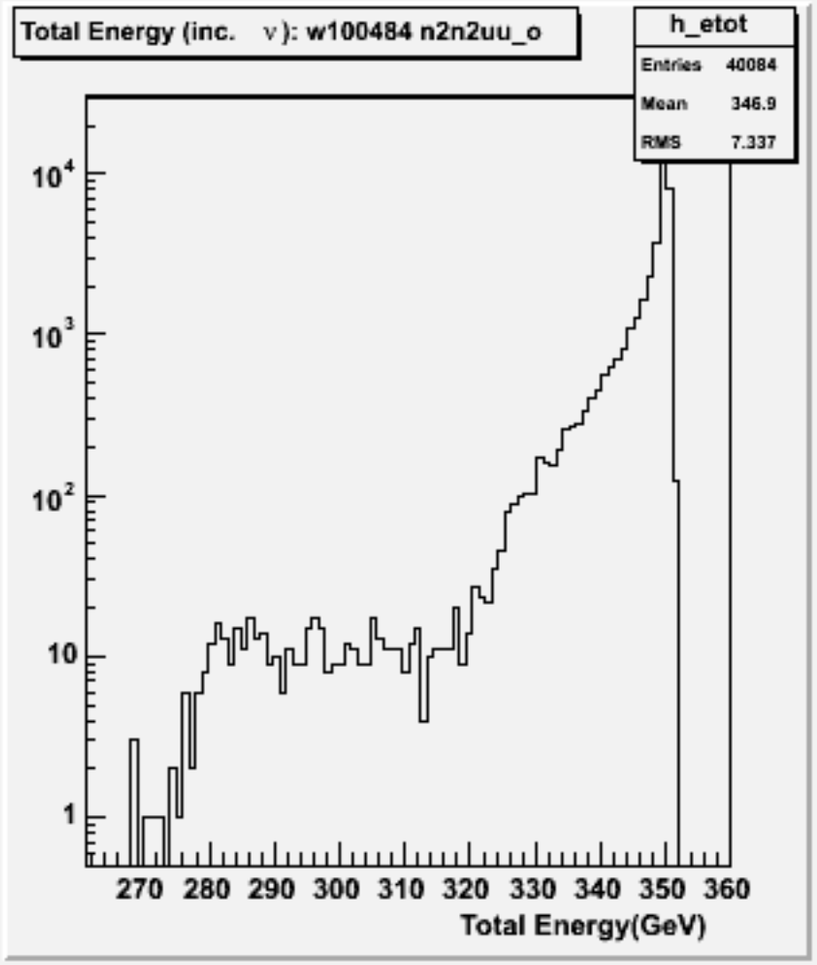

Total Energy (inc. ν): w100484 n2n2uu_o
h_etotc
Entries 36395
Mean 348.6
RMS 2.335
Total Energy(GeV)

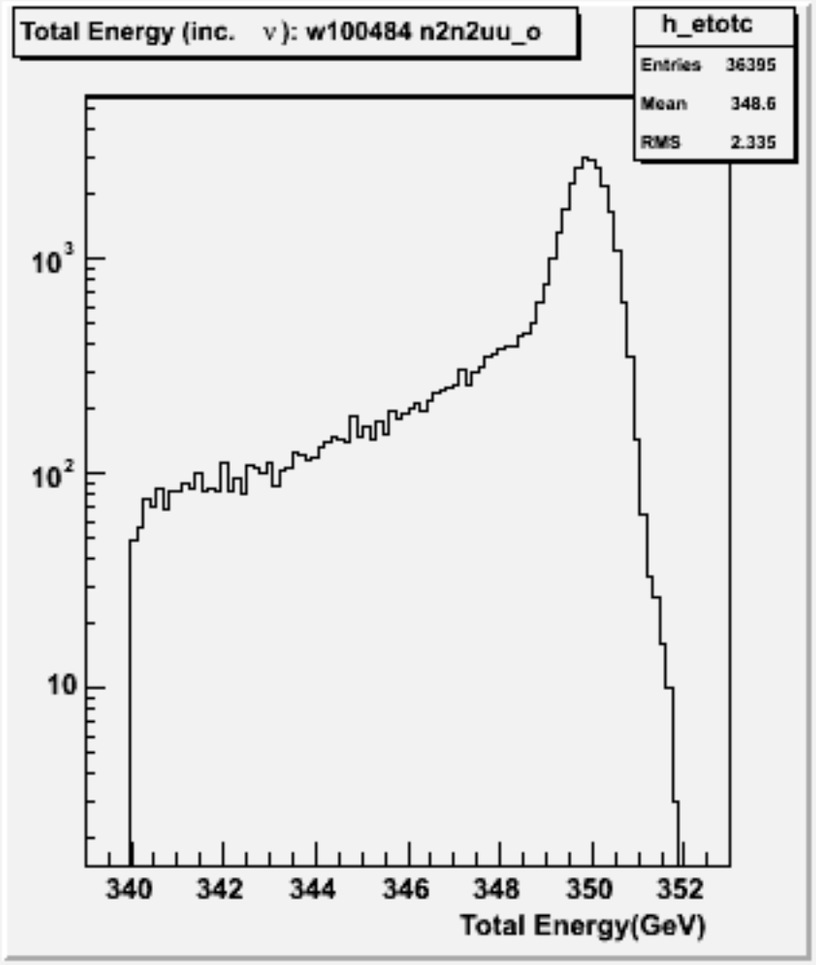

Total Energy (w/o ν): w100484 n2n2uu_o
h_evis
Entries 40084
Mean 180.3
RMS 20.1
Energy(GeV)

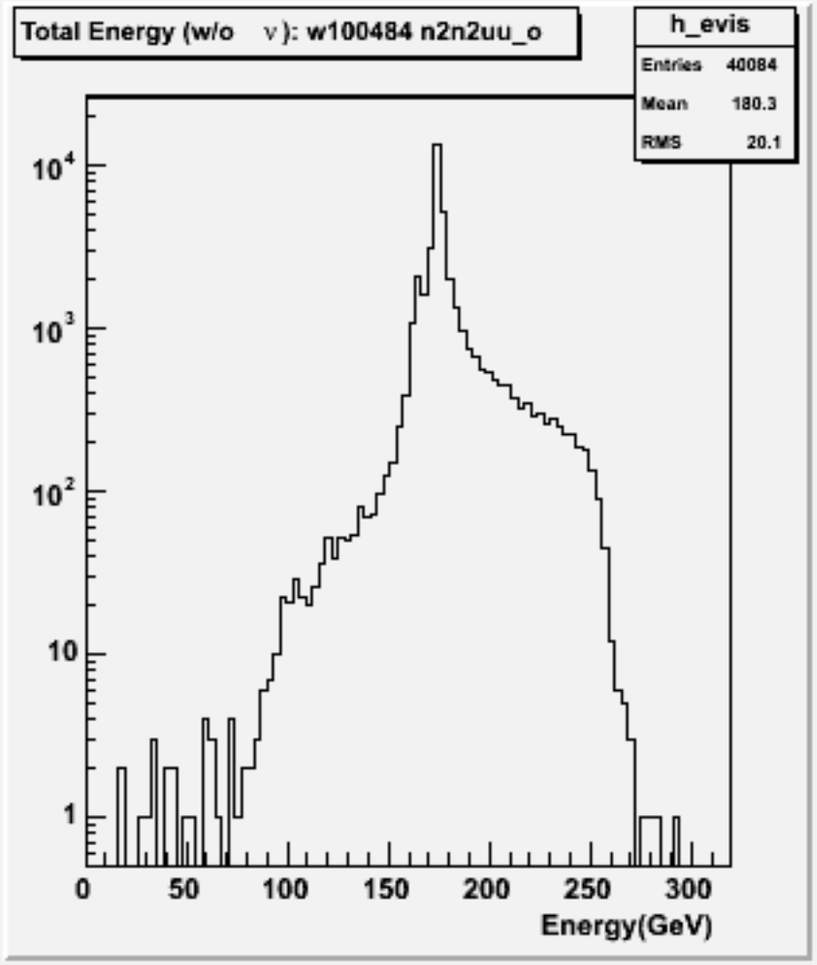

Pt Sum: w100484 n2n2uu_o
h_pt
Entries 40084
Mean 73.58
RMS 41.04
Pt(sum) (GeV)

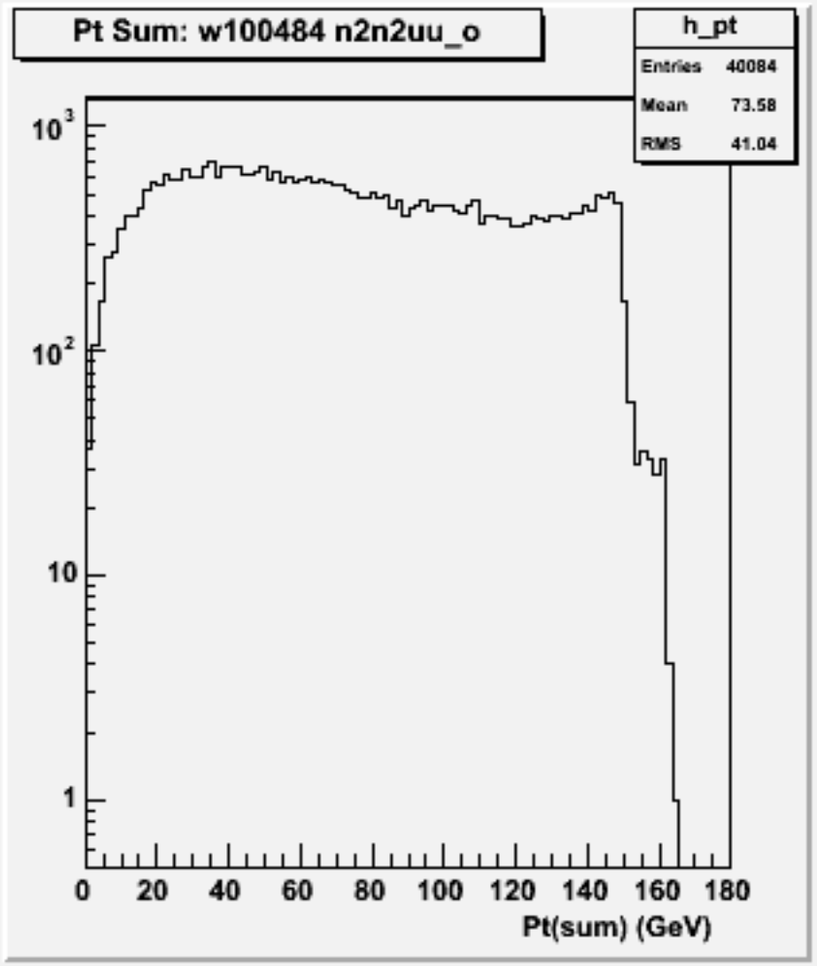

Pz Sum: w100484 n2n2uu_o
h_pz
Entries 40084
Mean 0.5057
RMS 109.1
Pz(sum) (GeV)

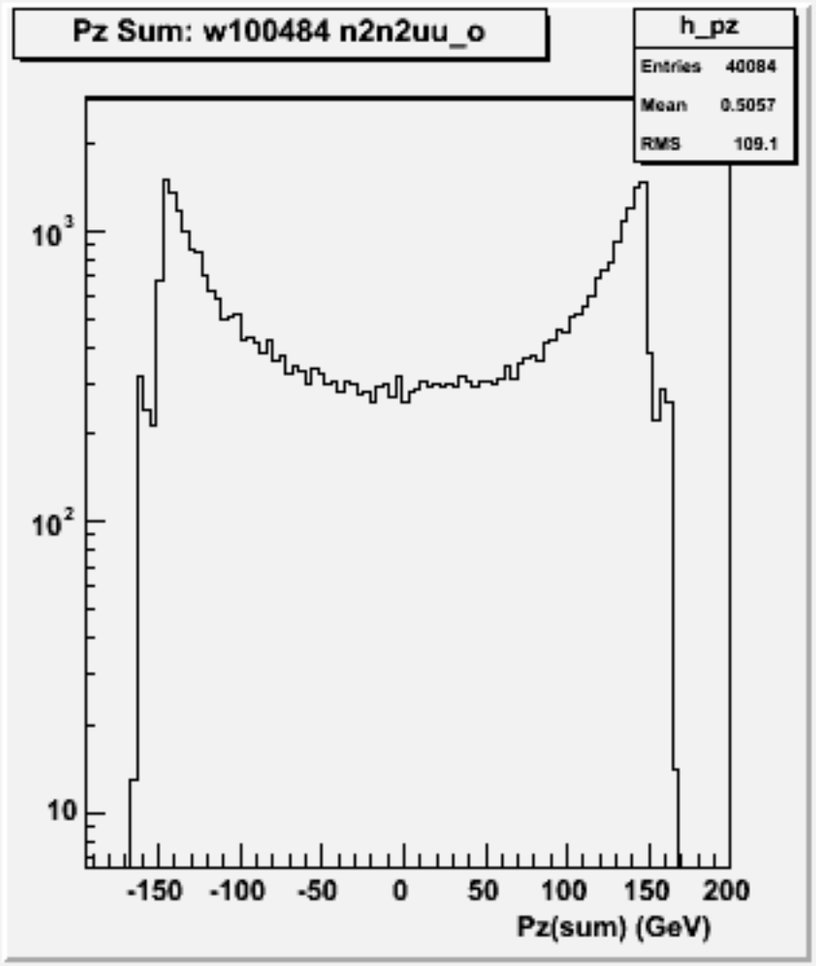

Thrust w100484 n2n2uu_o
h_thrust
Entries 40084
Mean 0.8632
RMS 0.06998
Thrust

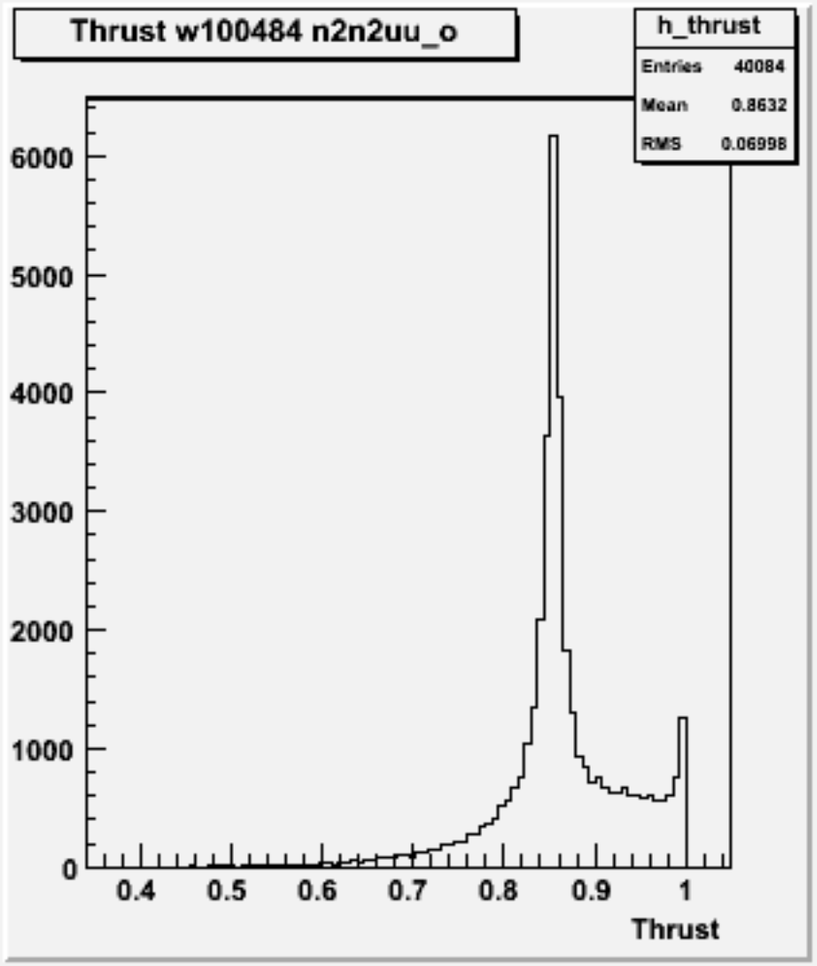

Total Energy (inc. ν): w100484 n2n2uu_o
h_etot
Entries 40084
Mean 346.9
RMS 7.337
Total Energy(GeV)

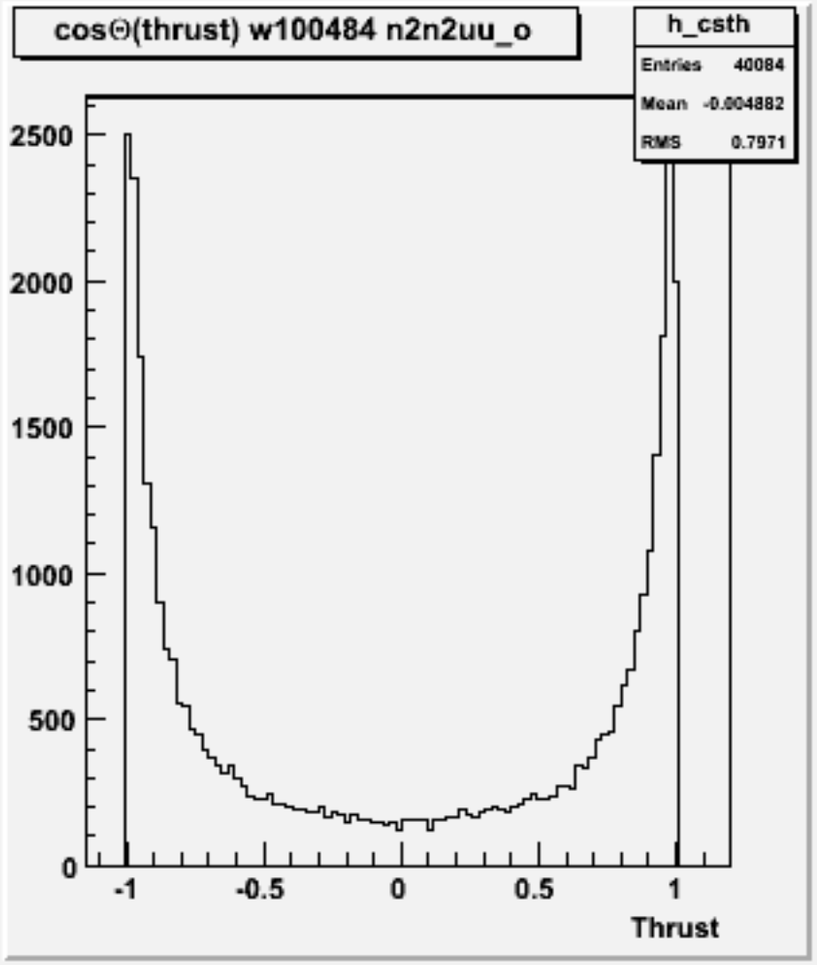

Total Energy (inc. ν): w100484 n2n2uu_o
h_etotc
Entries 36395
Mean 348.6
RMS 2.335
Total Energy(GeV)

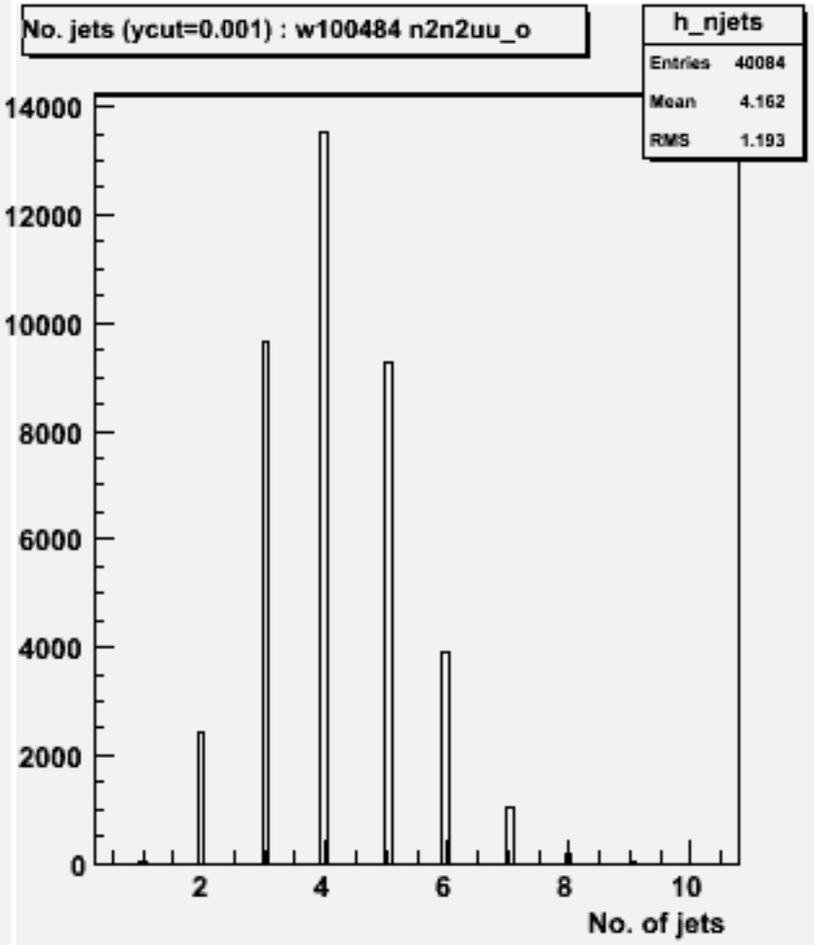

Total Energy (w/o ν): w100484 n2n2uu_o
h_evis
Entries 40084
Mean 180.3
RMS 20.1
Energy(GeV)

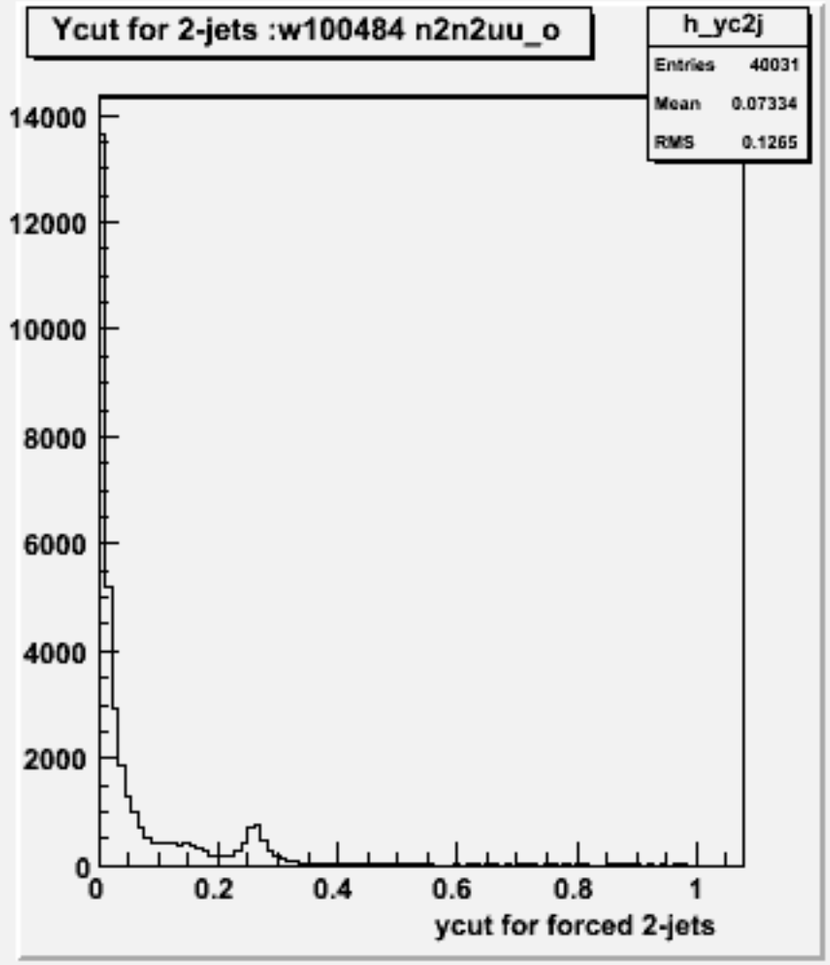

Pt Sum: w100484 n2n2uu_o
h_pt
Entries 40084
Mean 73.58
RMS 41.04
Pt(sum) (GeV)

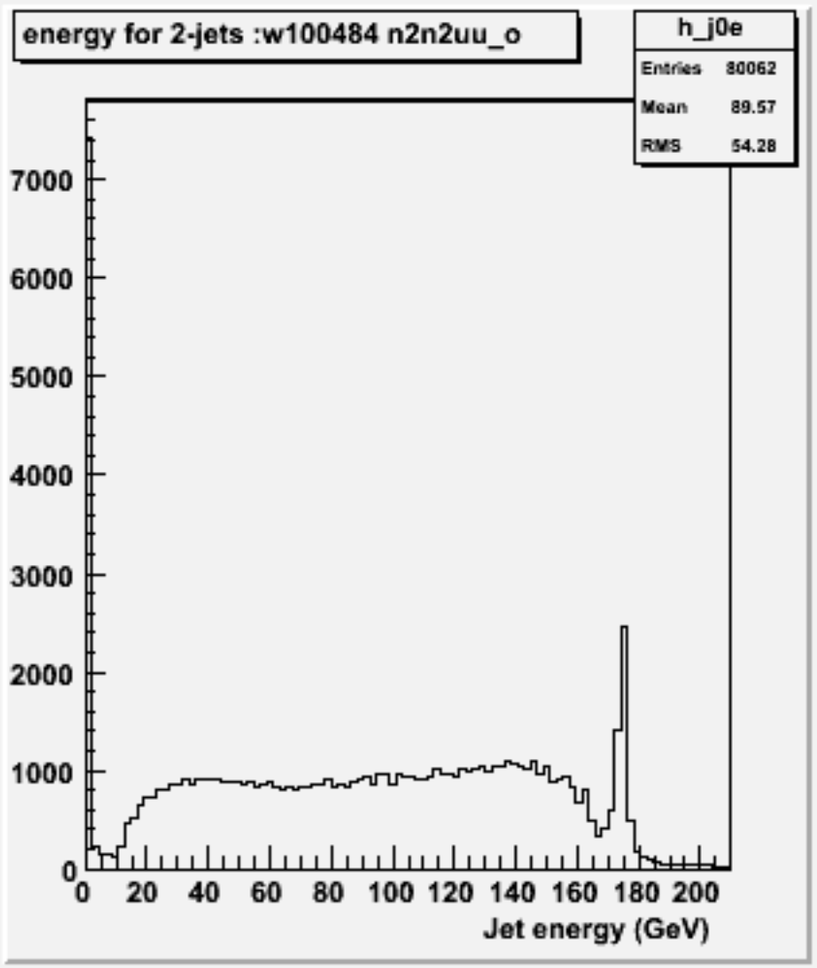

Pz Sum: w100484 n2n2uu_o
h_pz
Entries 40084
Mean 0.5057
RMS 109.1
Pz(sum) (GeV)

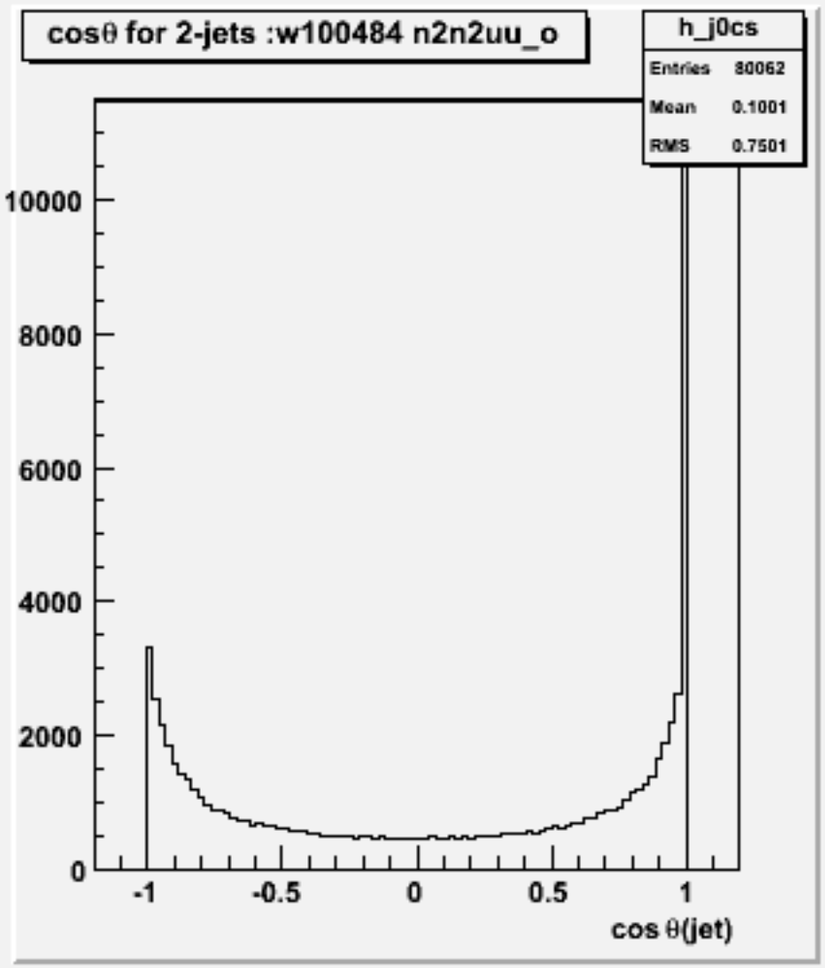

Thrust w100484 n2n2uu_o
h_thrust
Entries 40084
Mean 0.8632
RMS 0.06998
Thrust

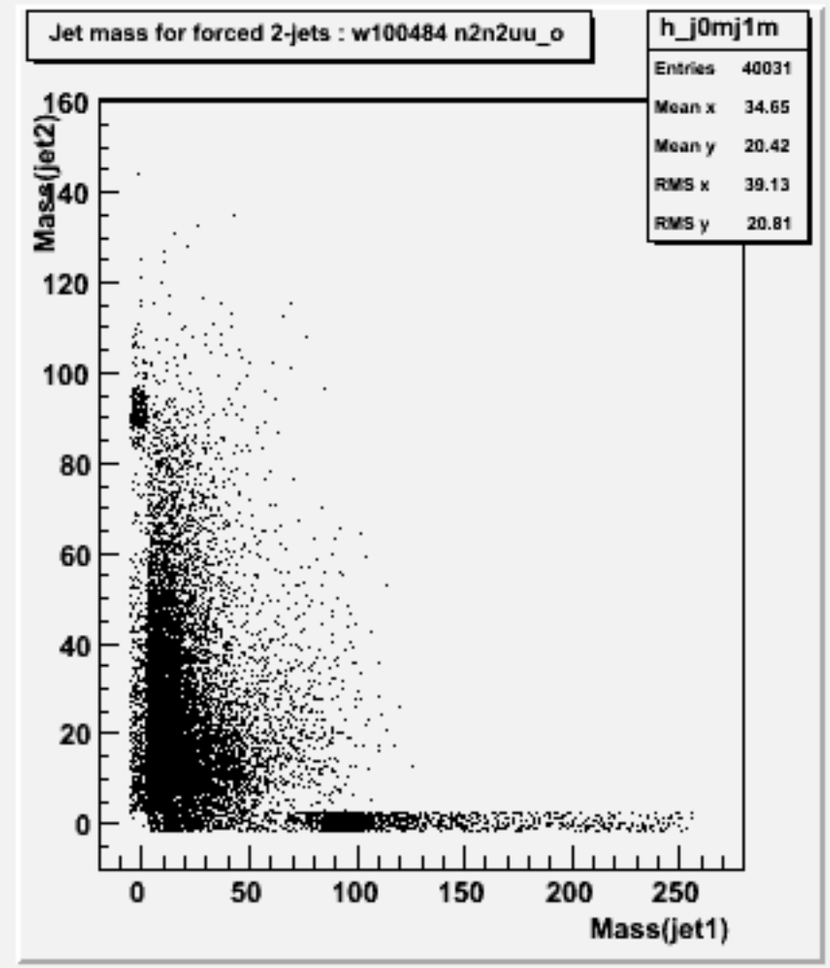

cosΘ(thrust) w100484 n2n2uu_o
h_csth
Entries 40084
Mean -0.004882
RMS 0.7971
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
Thrust

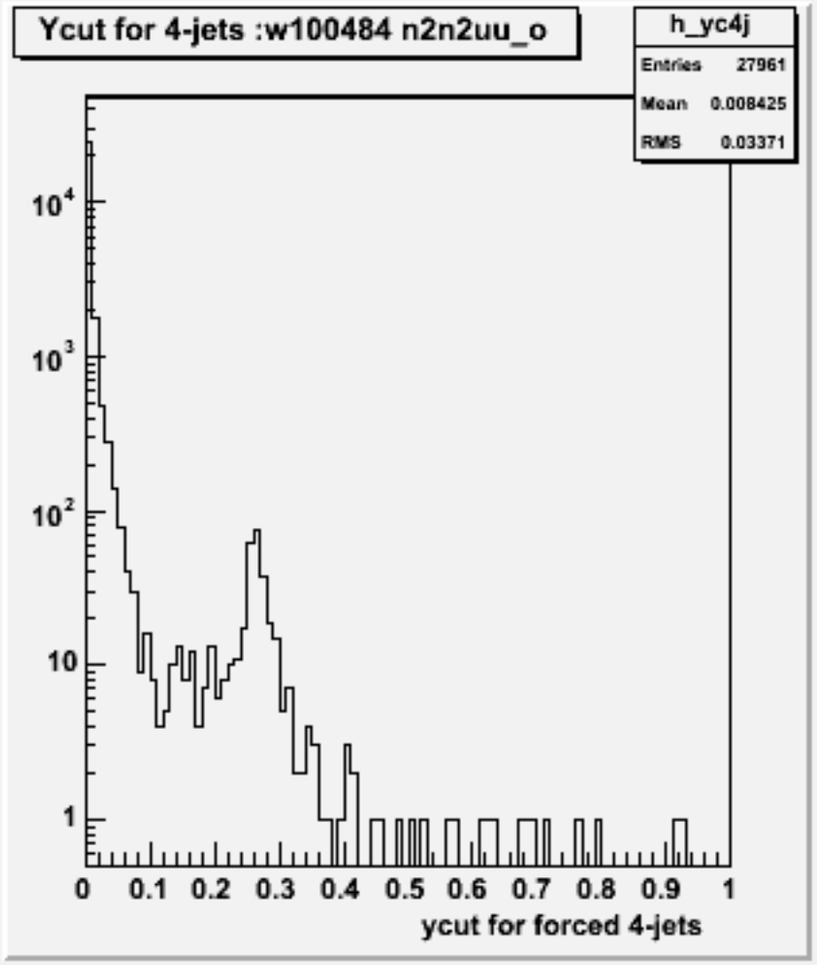

No. jets (ycut=0.001) : w100484 n2n2uu_o
h_njets
Entries 40084
Mean 4.162
RMS 1.193
14000
12000
10000
8000
6000
4000
2000
0
2
4
6
8
10
No. of jets

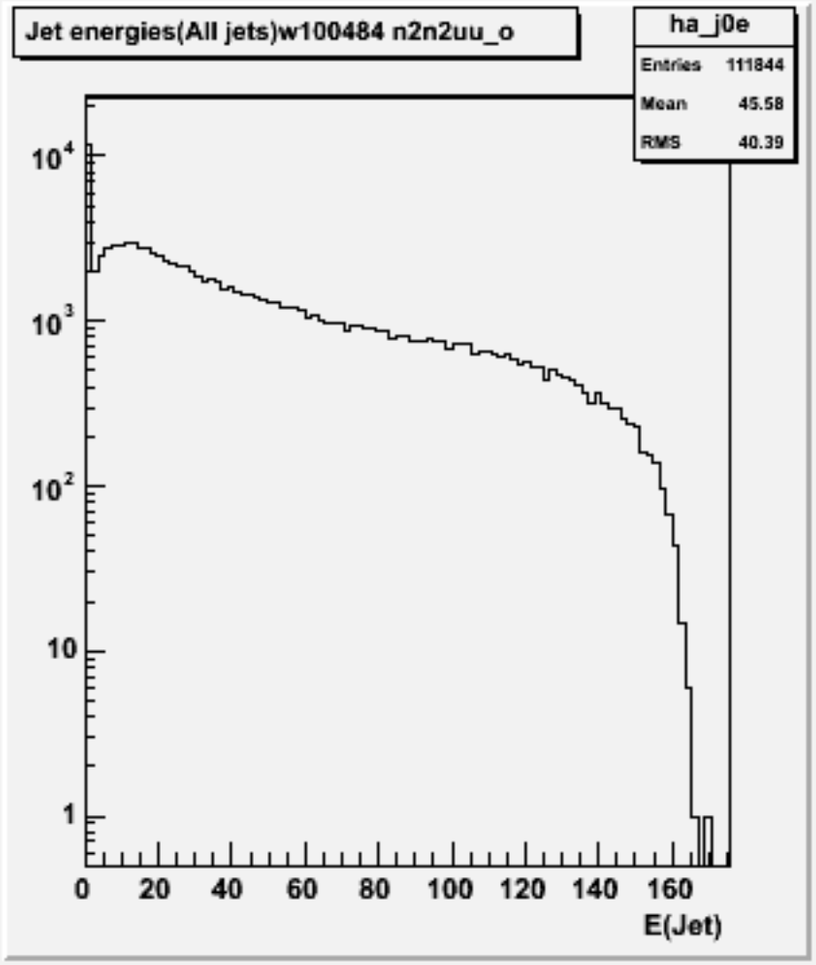

Ycut for 2-jets :w100484 n2n2uu_o
h_yc2j
Entries 40031
Mean 0.07334
RMS 0.1265
14000
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

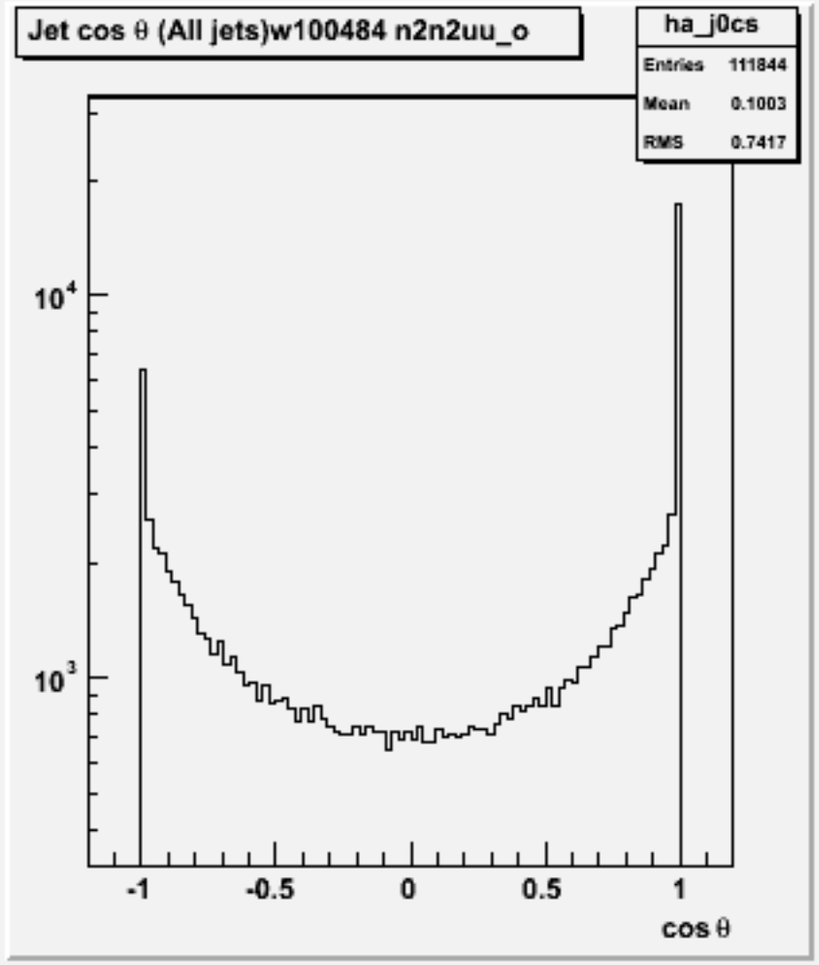

energy for 2-jets :w100484 n2n2uu_o
h_j0e
Entries 80062
Mean 89.57
RMS 54.28
7000
6000
5000
4000
3000
2000
1000
0
0 20 40 60 80 100 120 140 160 180 200
Jet energy (GeV)

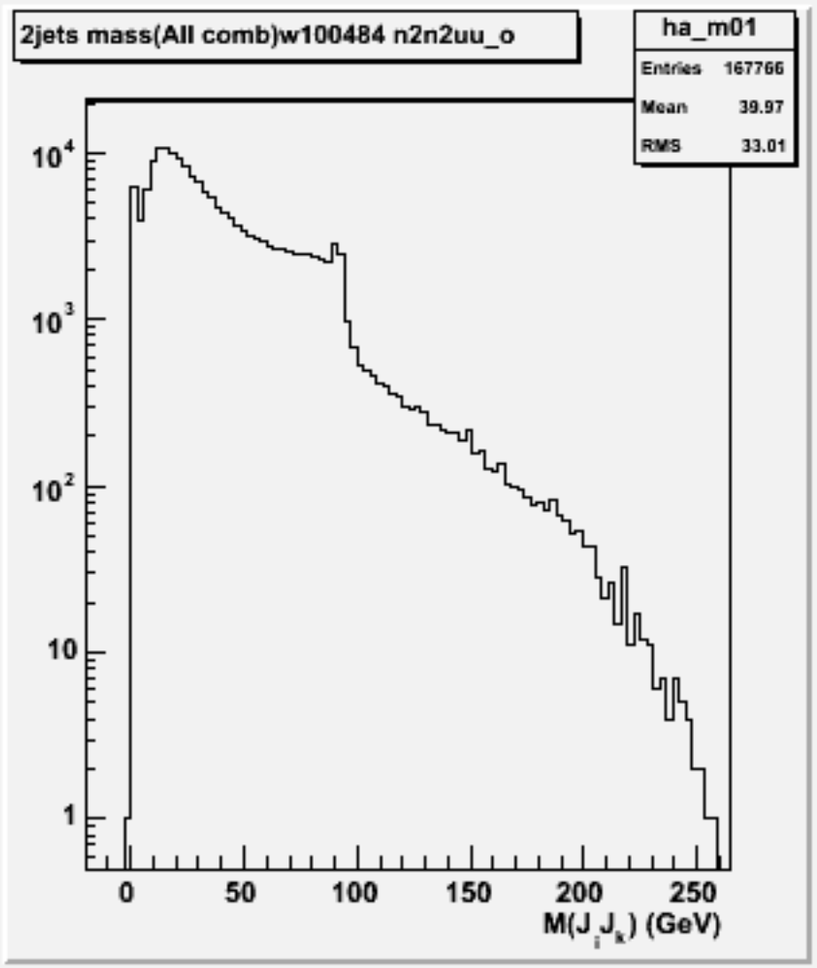

cosθ for 2-jets :w100484 n2n2uu_o
h_j0cs
Entries 80062
Mean 0.1001
RMS 0.7501
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
cos θ(jet)

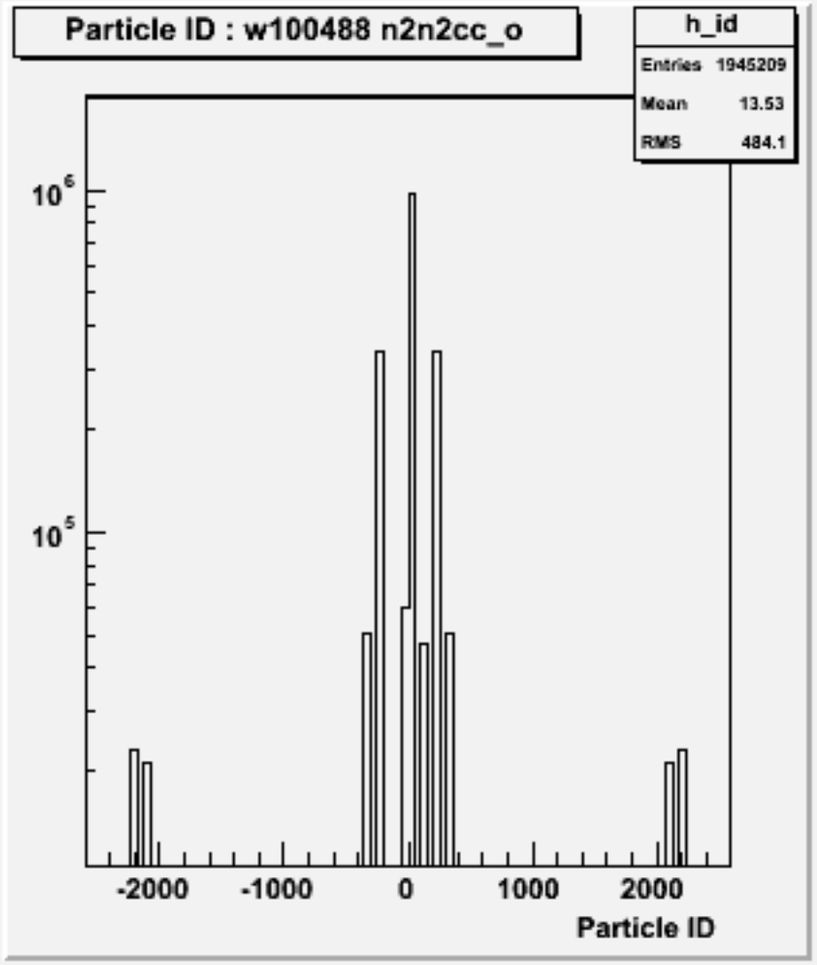

Jet mass for forced 2-jets : w100484 n2n2uu_o
h_j0mj1m
Entries 40031
Mean x 34.65
Mean y 20.42
RMS x 39.13
RMS y 20.81
Mass(jet2)
160
140
120
100
80
60
40
20
0
0
50
100
150
200
250
Mass(jet1)

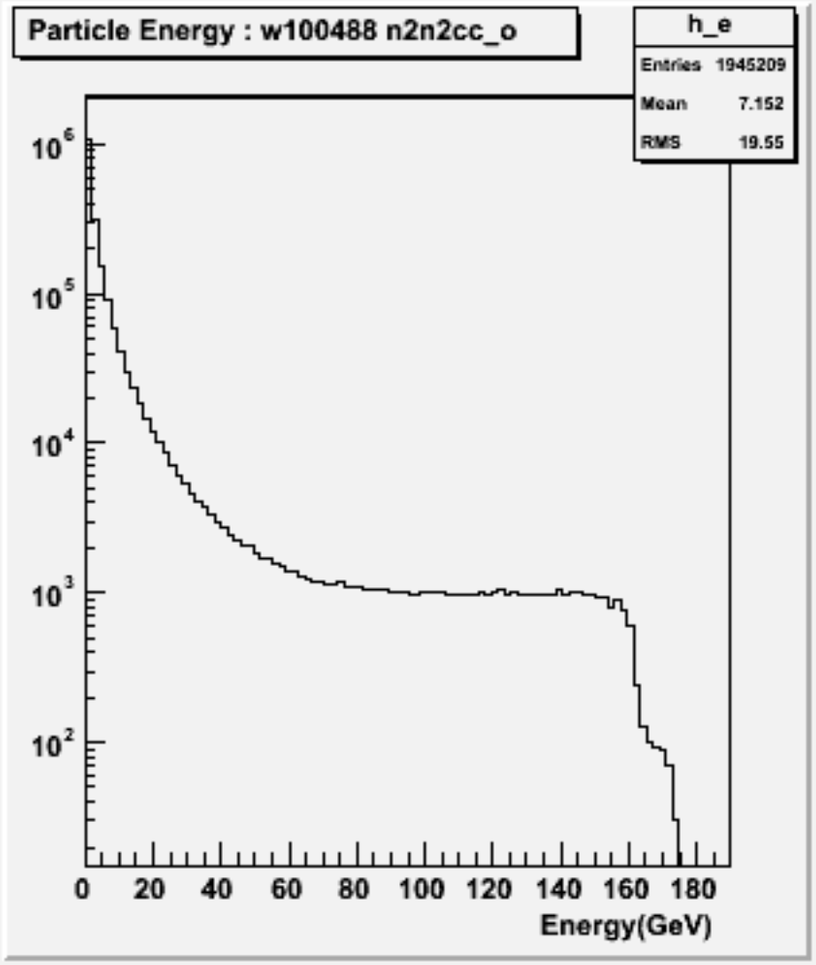

Ycut for 4-jets :w100484 n2n2uu_o
h_yc4j
Entries 27961
Mean 0.008425
RMS 0.03371
ycut for forced 4-jets

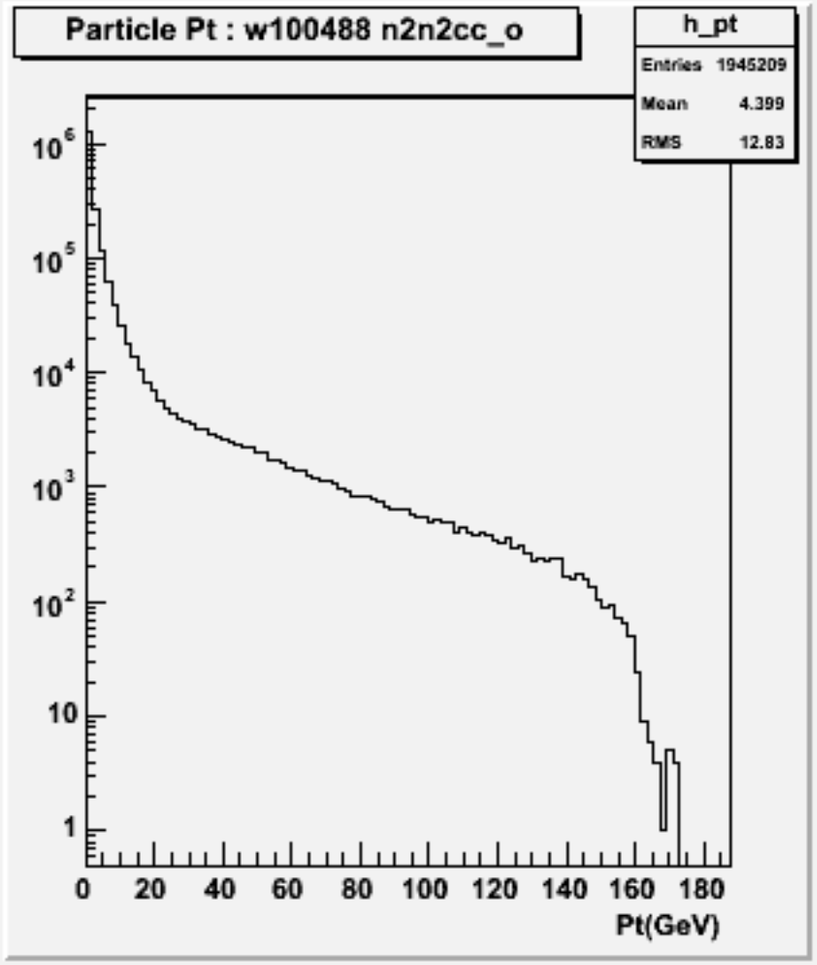

Jet energies(All jets)w100484 n2n2uu_o
ha_j0e
Entries 111844
Mean 45.58
RMS 40.39
E(Jet)

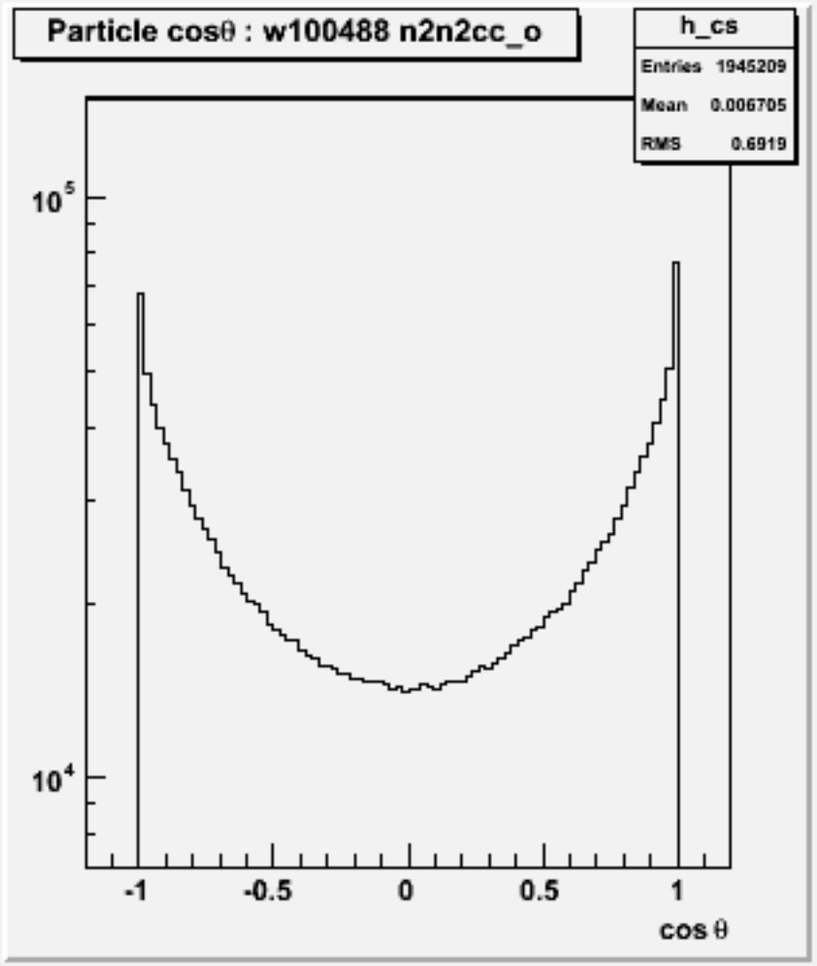

Jet cos θ (All jets)w100484 n2n2uu_o
ha_j0cs
Entries 111844
Mean 0.1003
RMS 0.7417
cos θ

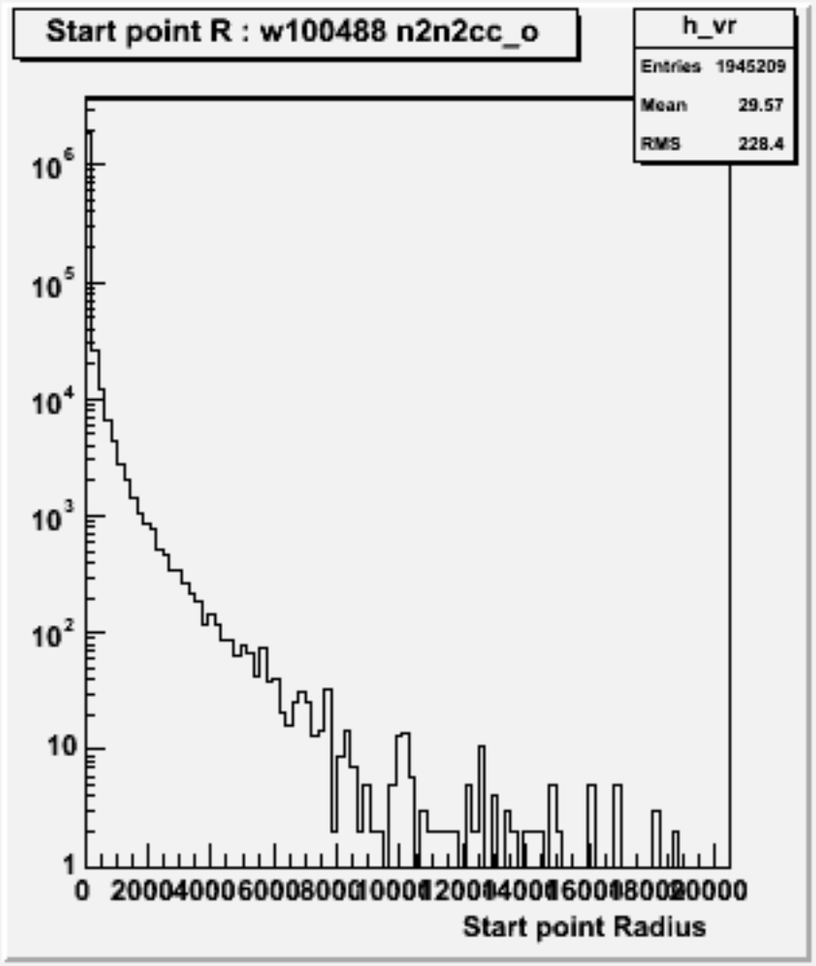

2jets mass(All comb)w100484 n2n2uu_o
ha_m01
Entries 167766
Mean 39.97
RMS 33.01
M(J_iJ_k) (GeV)

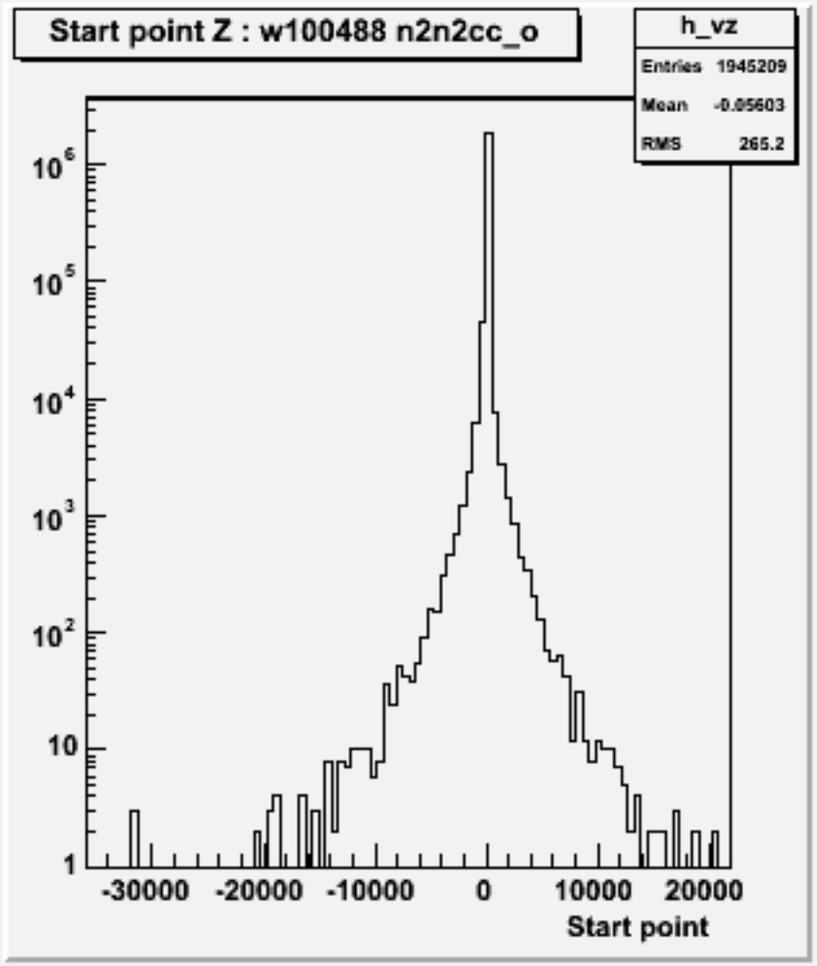

Particle ID : w100488 n2n2cc_o
h_id
Entries 1945209
Mean 13.53
RMS 484.1
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

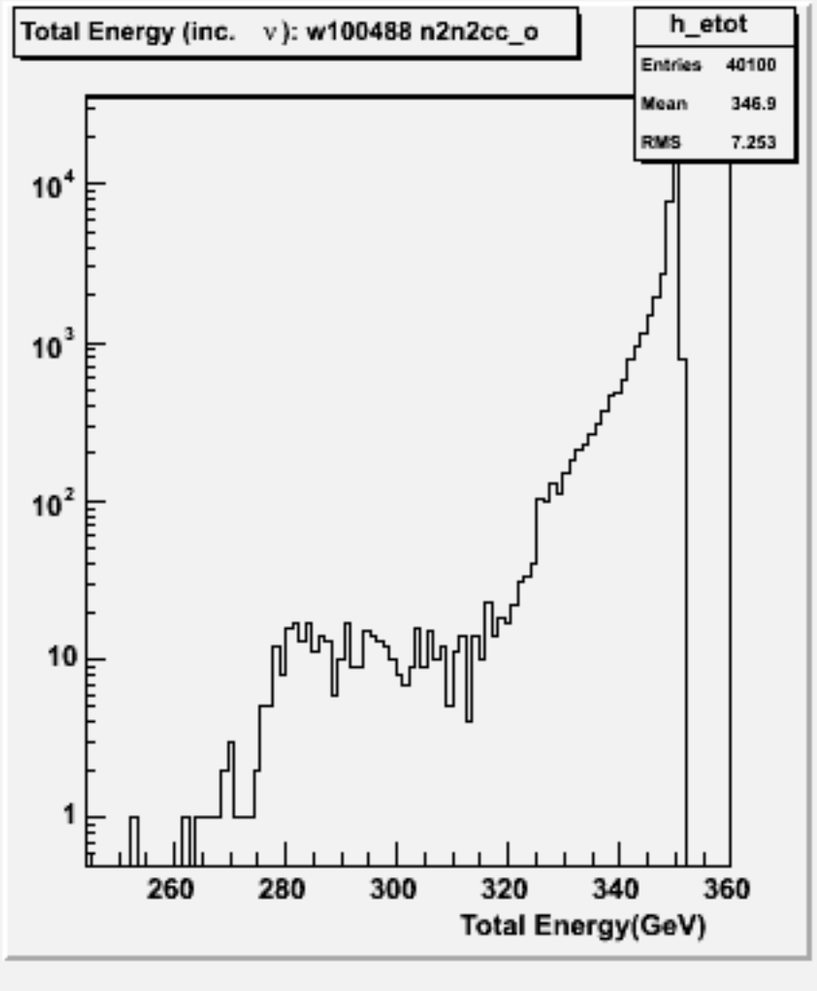

Particle Energy : w100488 n2n2cc_o
h_e
Entries 1945209
Mean 7.152
RMS 19.55
10^6
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

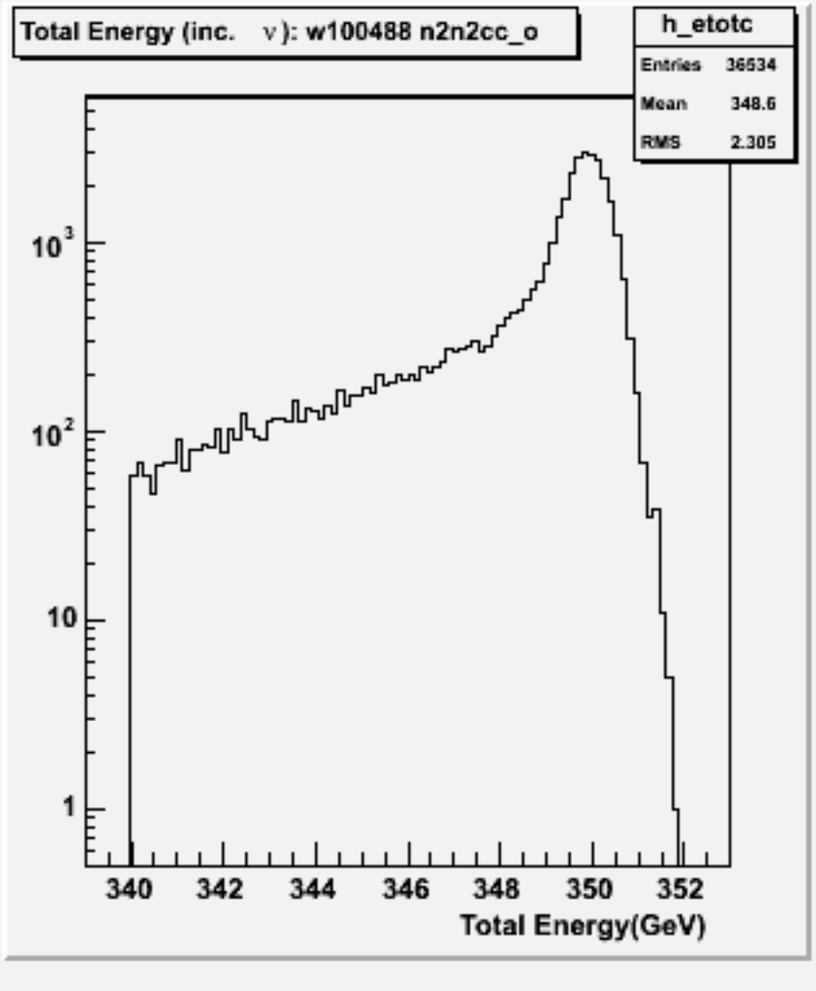

Particle Pt : w100488 n2n2cc_o
h_pt
Entries 1945209
Mean 4.399
RMS 12.83
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

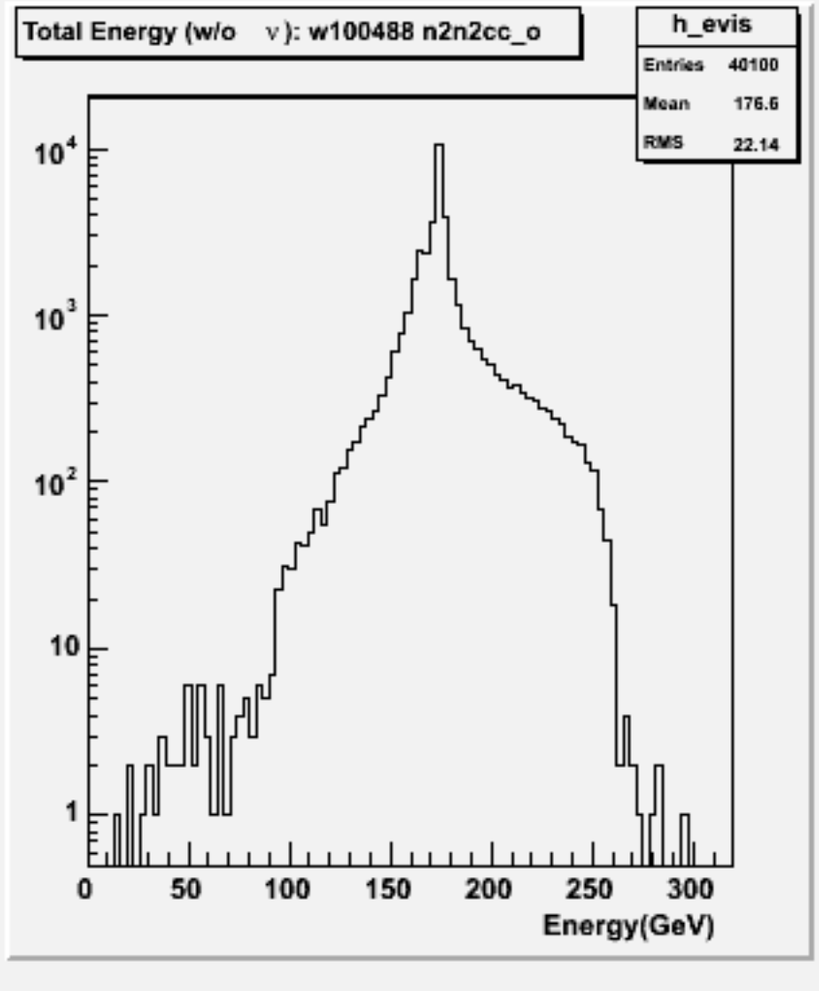

Particle cosθ : w100488 n2n2cc_o
h_cs
Entries 1945209
Mean 0.006705
RMS 0.6919
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

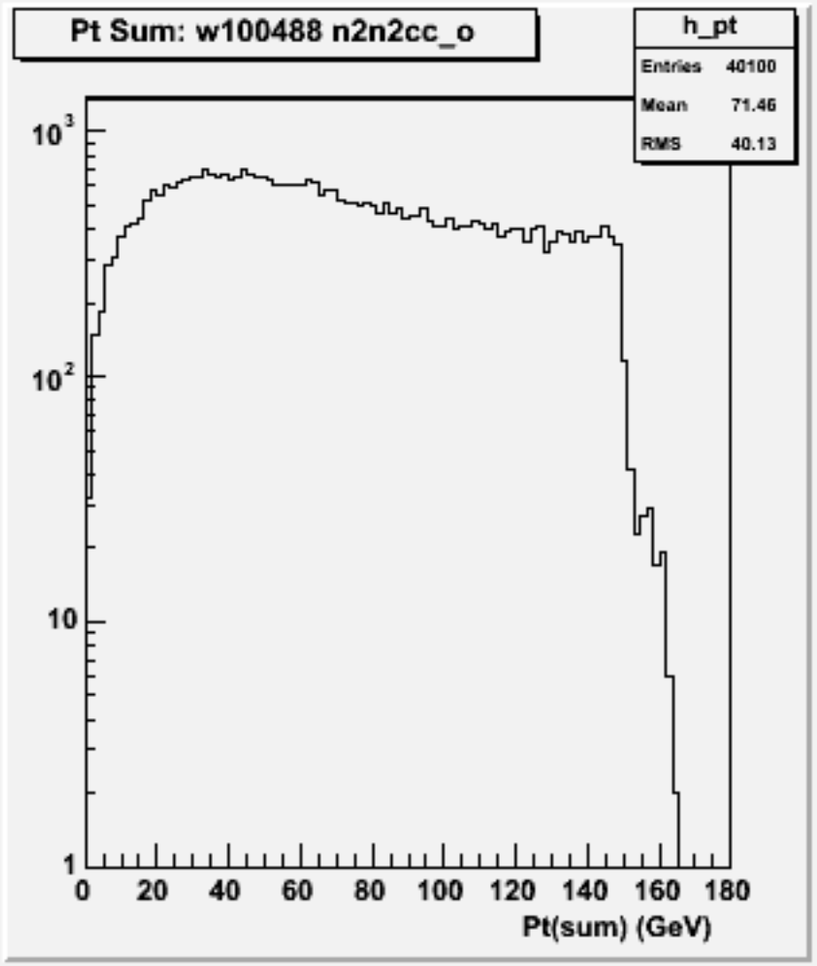

Start point R : w100488 n2n2cc_o
h_vr
Entries 1945209
Mean 29.57
RMS 228.4
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000
Start point Radius

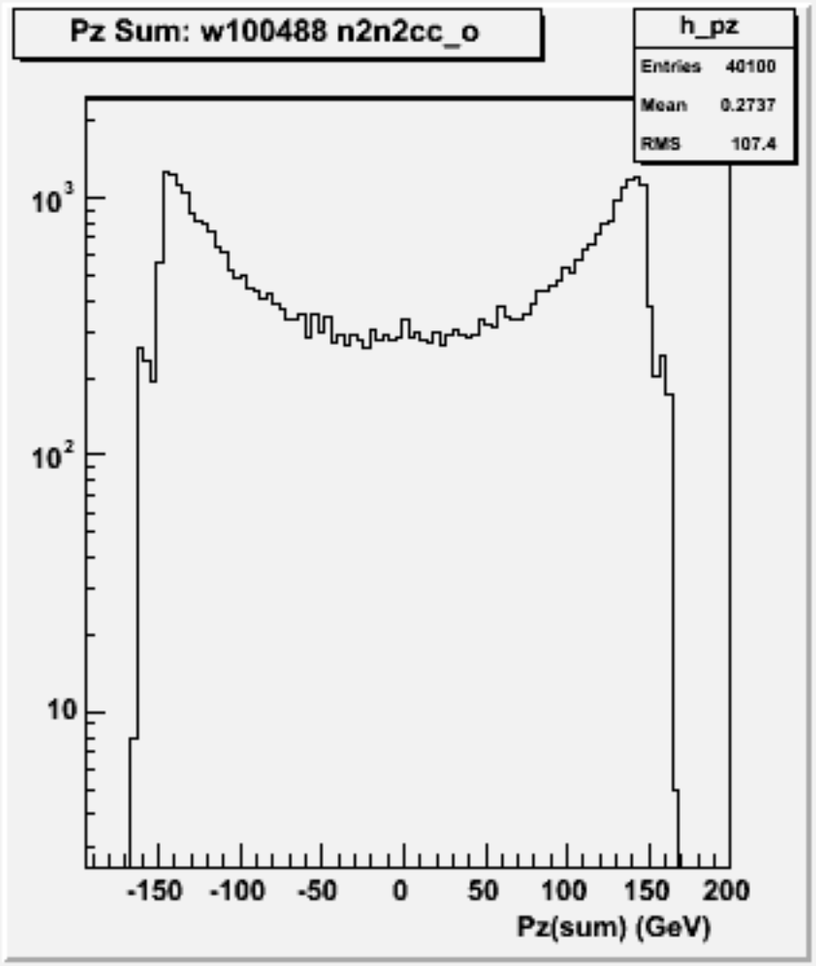

Start point Z : w100488 n2n2cc_o
h_vz
Entries 1945209
Mean -0.05603
RMS 265.2
10^6
10^5
10^4
10^3
10^2
10
1
-30000
-20000
-10000
0
10000
20000
Start point

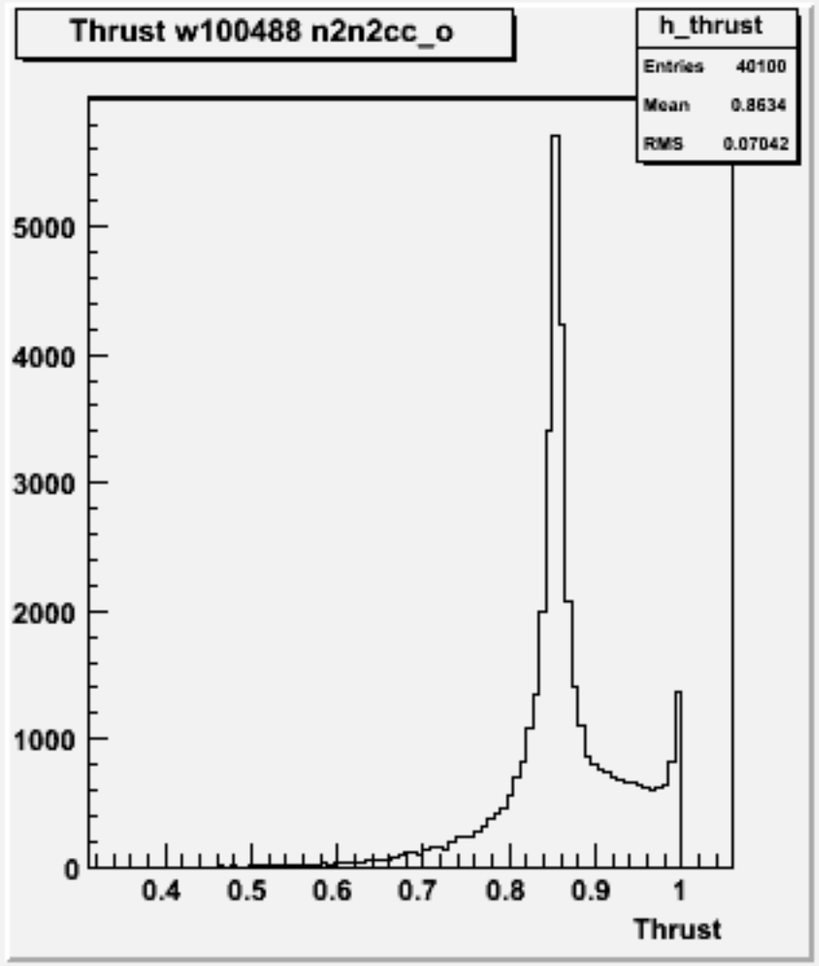

Total Energy (inc. ν): w100488 n2n2cc_o
h_etot
Entries 40100
Mean 346.9
RMS 7.253
Total Energy(GeV)

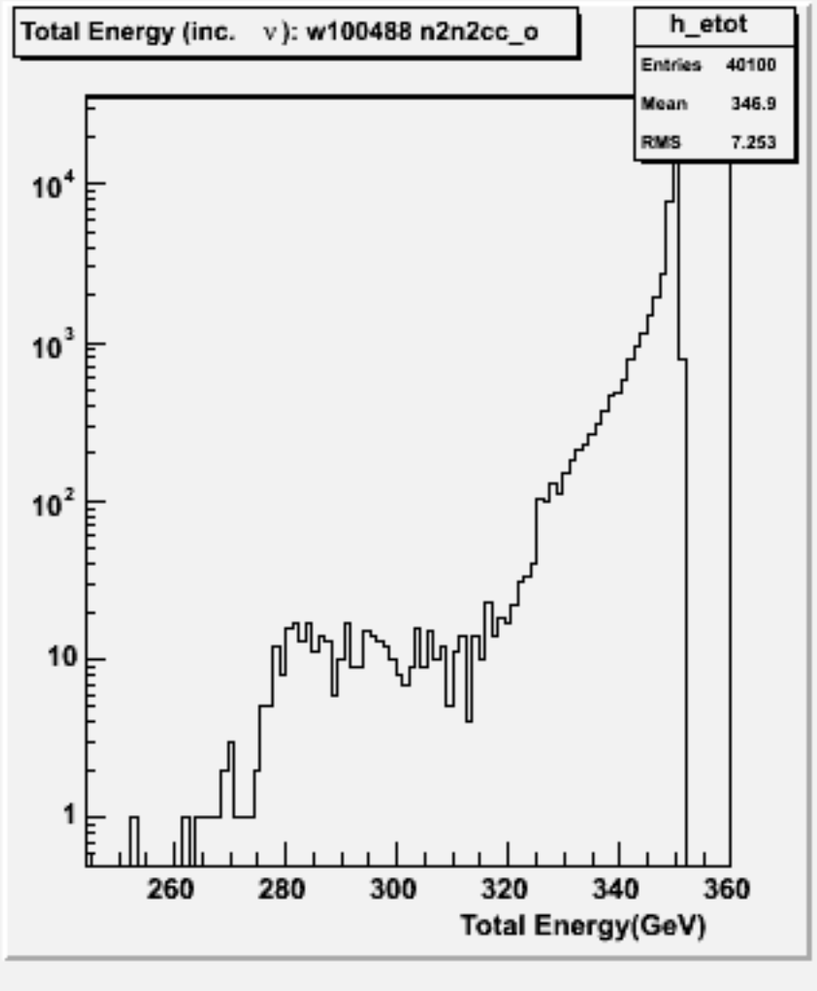

Total Energy (inc. ν): w100488 n2n2cc_o
h_etotc
Entries 36534
Mean 348.6
RMS 2.305
Total Energy(GeV)

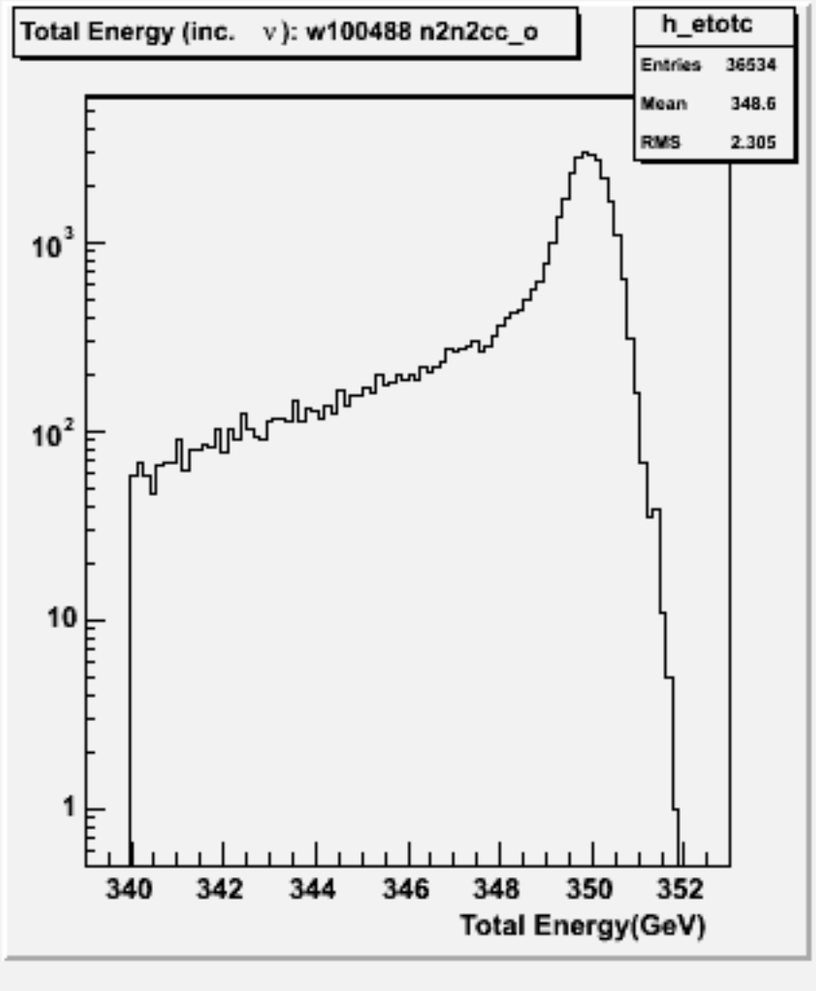

Total Energy (w/o ν): w100488 n2n2cc_o
h_evis
Entries 40100
Mean 176.6
RMS 22.14
Energy(GeV)

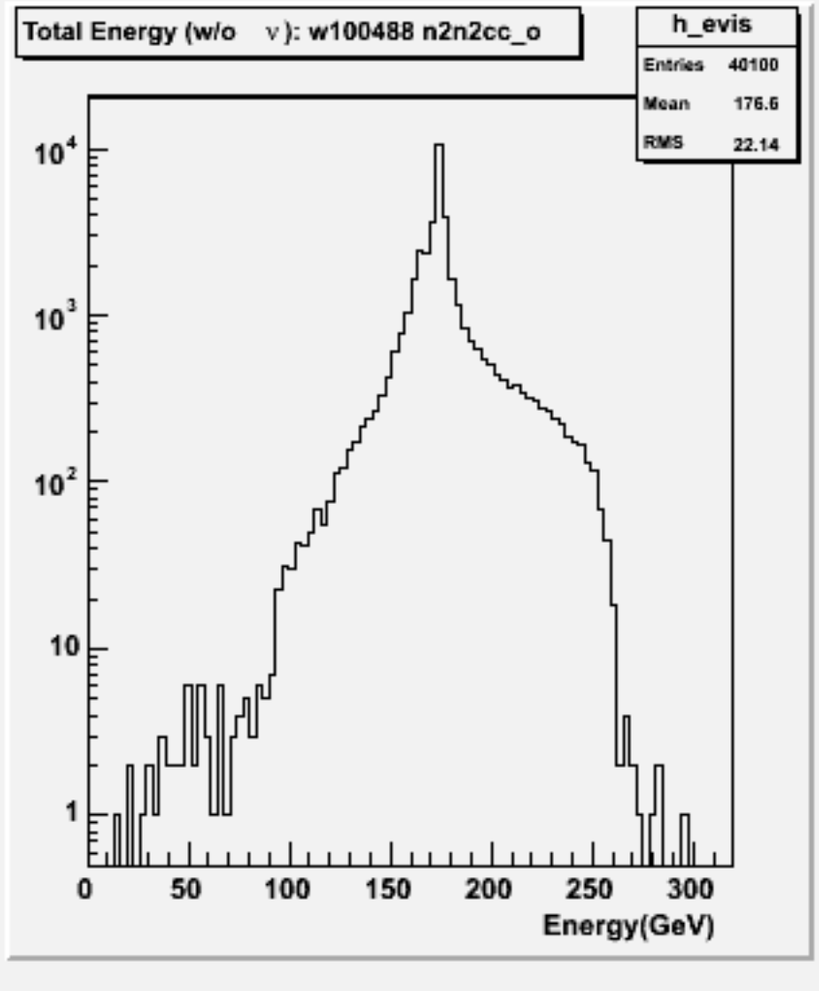

Pt Sum: w100488 n2n2cc_o
h_pt
Entries 40100
Mean 71.46
RMS 40.13
Pt(sum) (GeV)

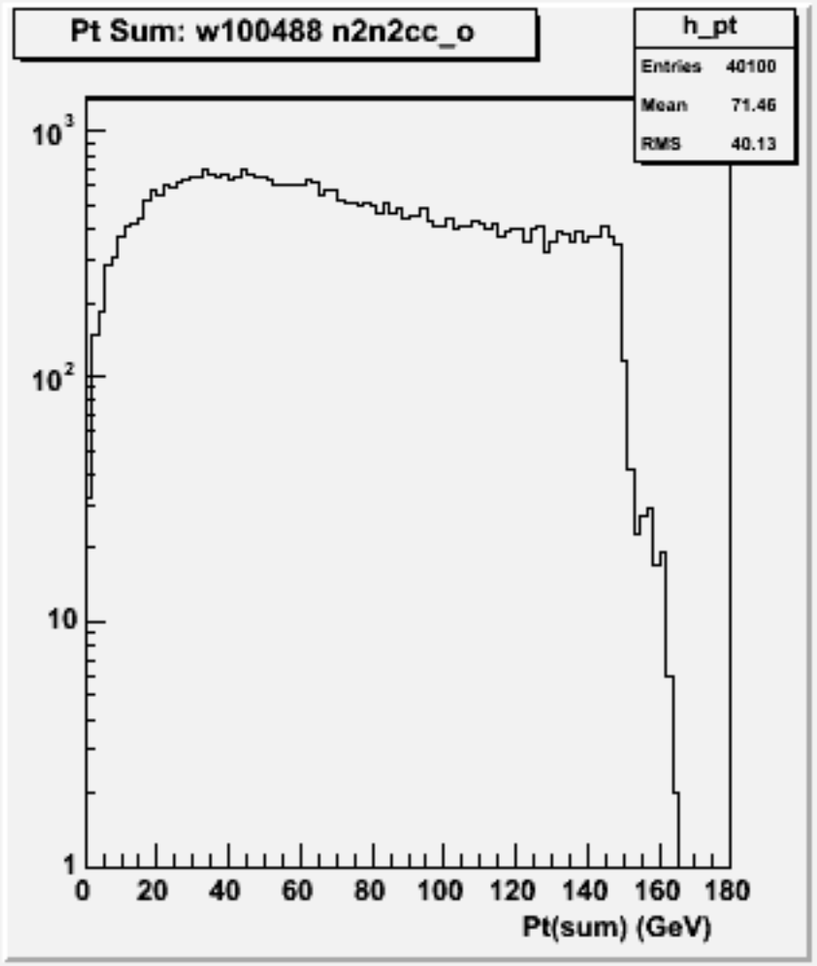

Pz Sum: w100488 n2n2cc_o
h_pz
Entries 40100
Mean 0.2737
RMS 107.4
Pz(sum) (GeV)

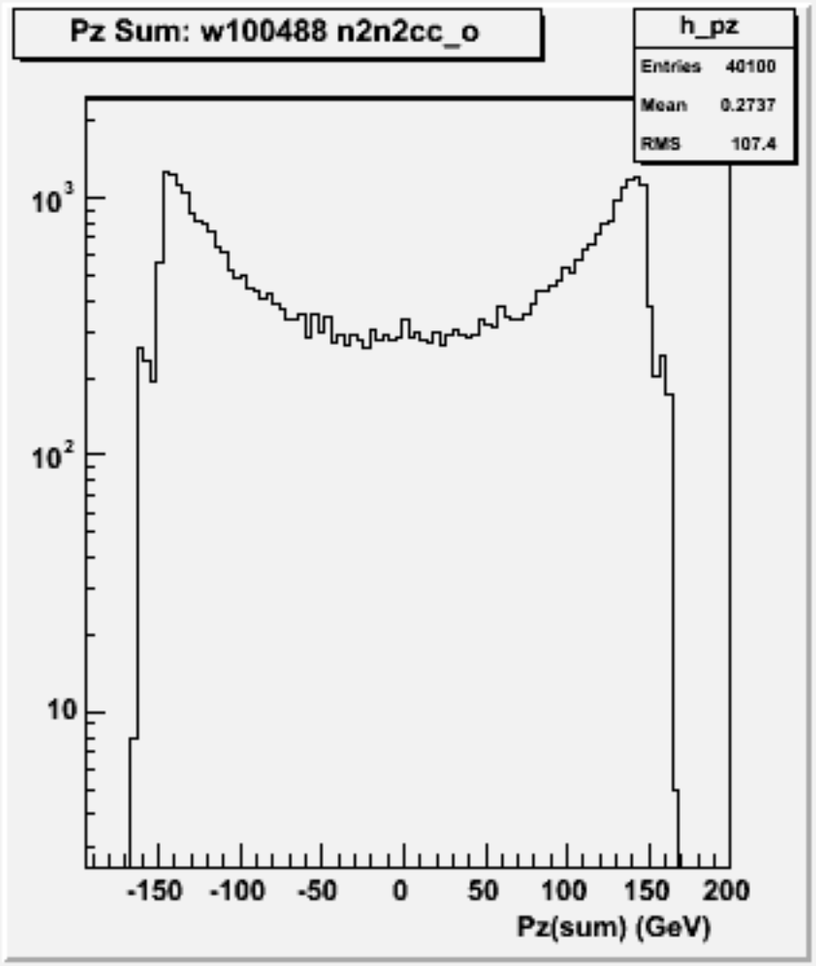

Thrust w100488 n2n2cc_o
h_thrust
Entries 40100
Mean 0.8634
RMS 0.07042
Thrust

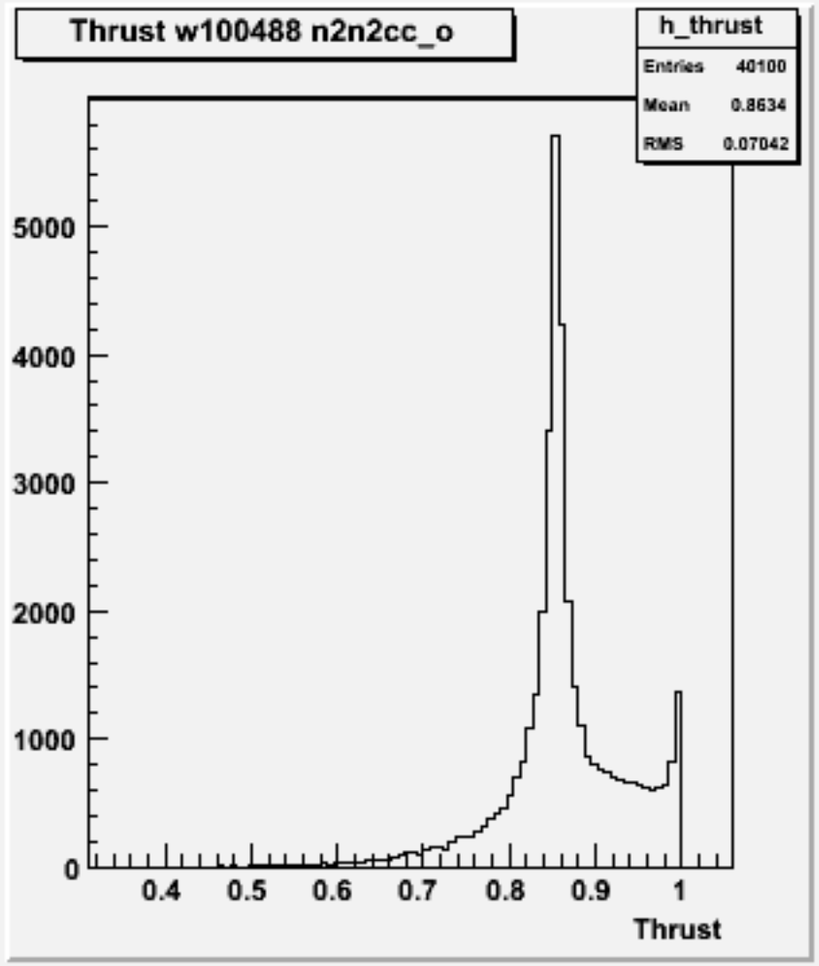

Total Energy (inc. ν): w100488 n2n2cc_o
h_etot
Entries 40100
Mean 346.9
RMS 7.253
Total Energy(GeV)

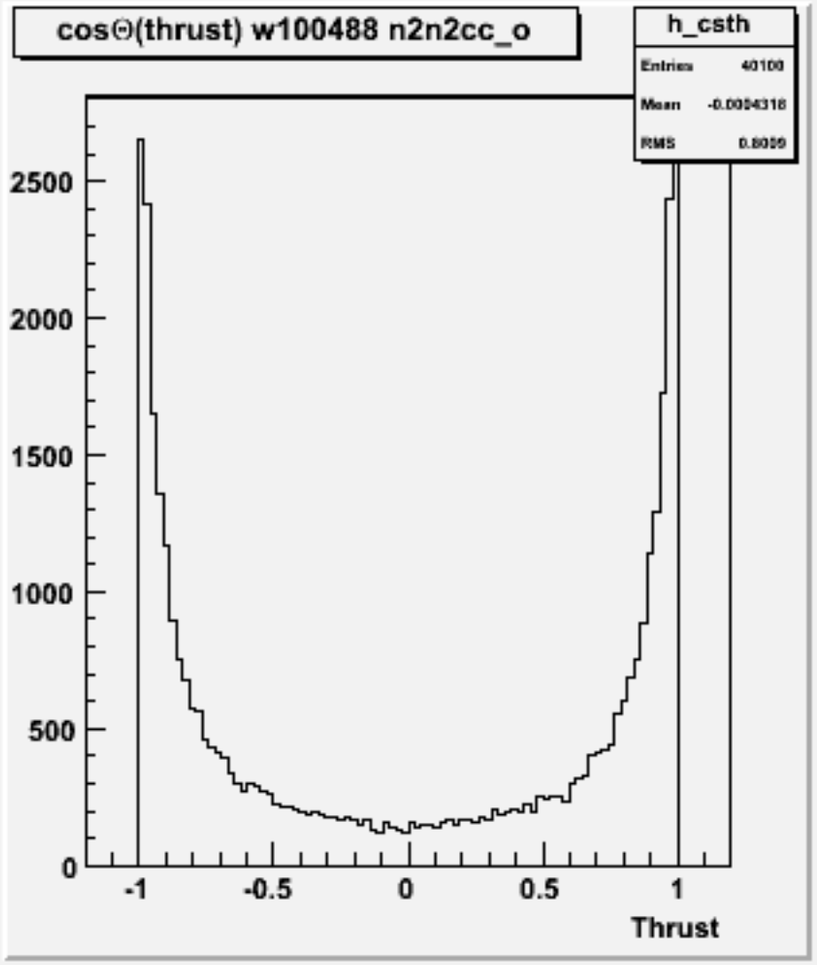

Total Energy (inc. ν): w100488 n2n2cc_o
h_etotc
Entries 36534
Mean 348.6
RMS 2.305
Total Energy(GeV)

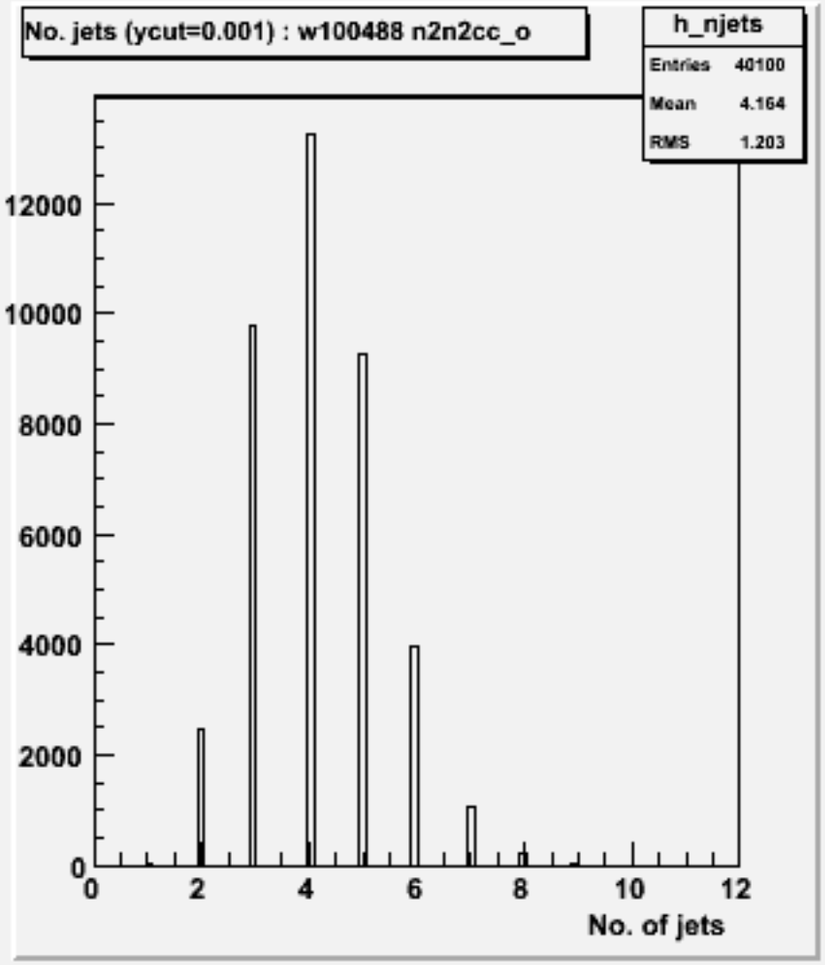

Total Energy (w/o ν): w100488 n2n2cc_o
h_evis
Entries 40100
Mean 176.6
RMS 22.14
Energy(GeV)

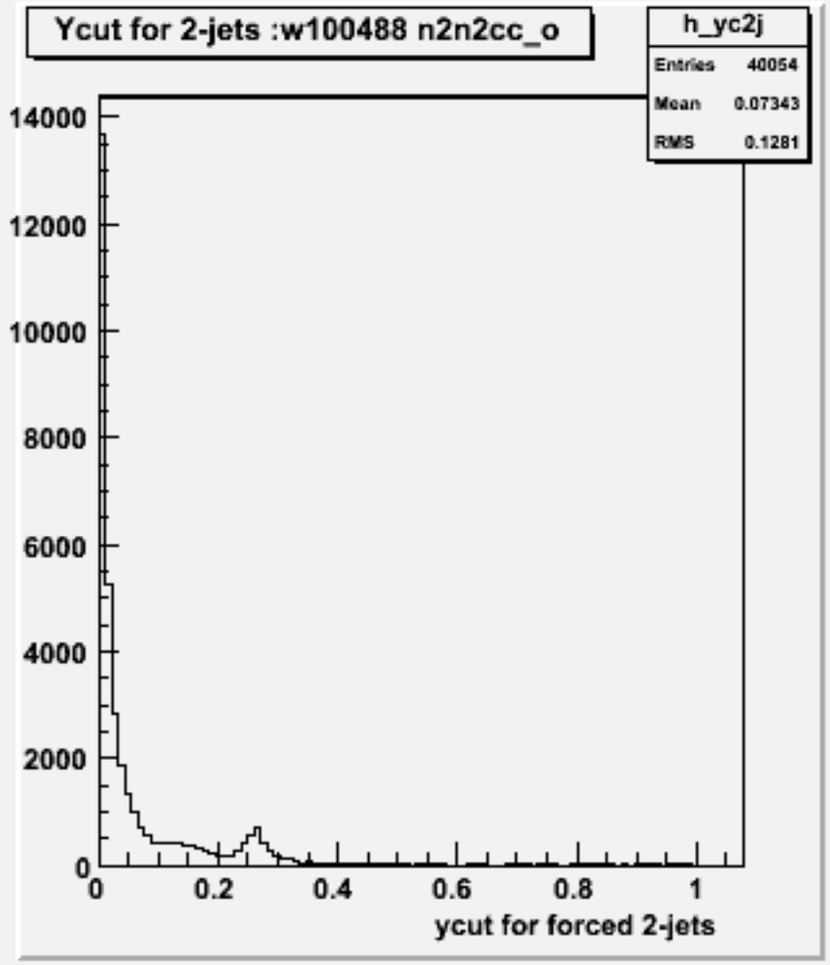

Pt Sum: w100488 n2n2cc_o
h_pt
Entries 40100
Mean 71.46
RMS 40.13
Pt(sum) (GeV)

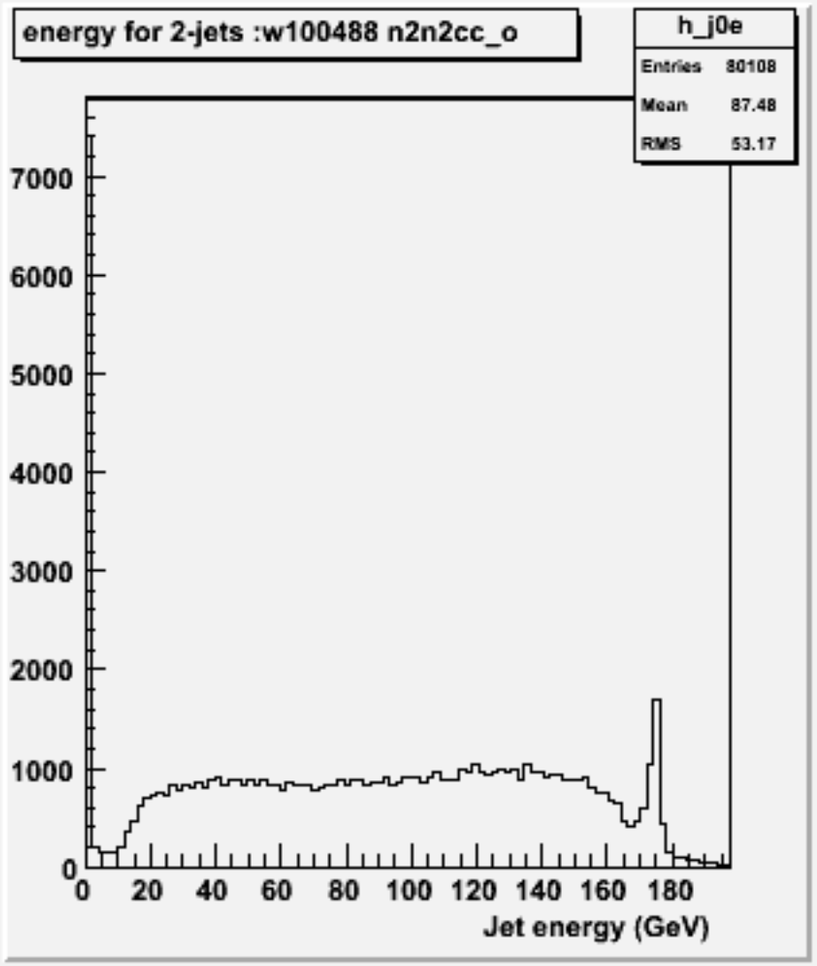

Pz Sum: w100488 n2n2cc_o
h_pz
Entries 40100
Mean 0.2737
RMS 107.4
Pz(sum) (GeV)

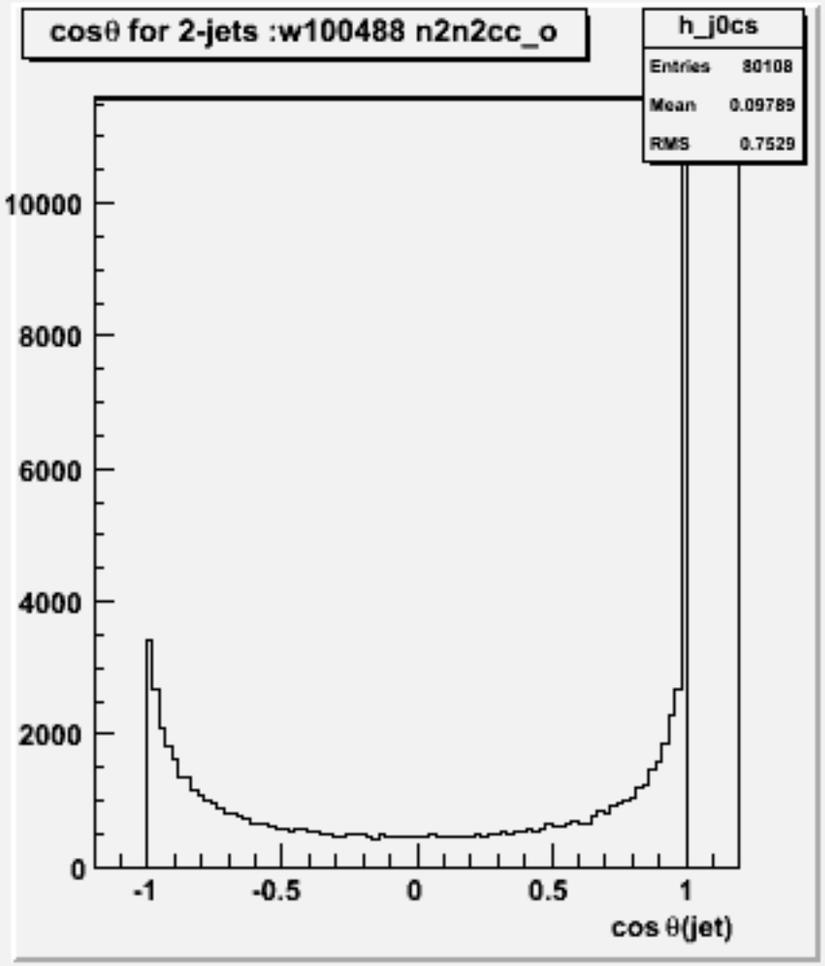

Thrust w100488 n2n2cc_o
h_thrust
Entries 40100
Mean 0.8634
RMS 0.07042
Thrust

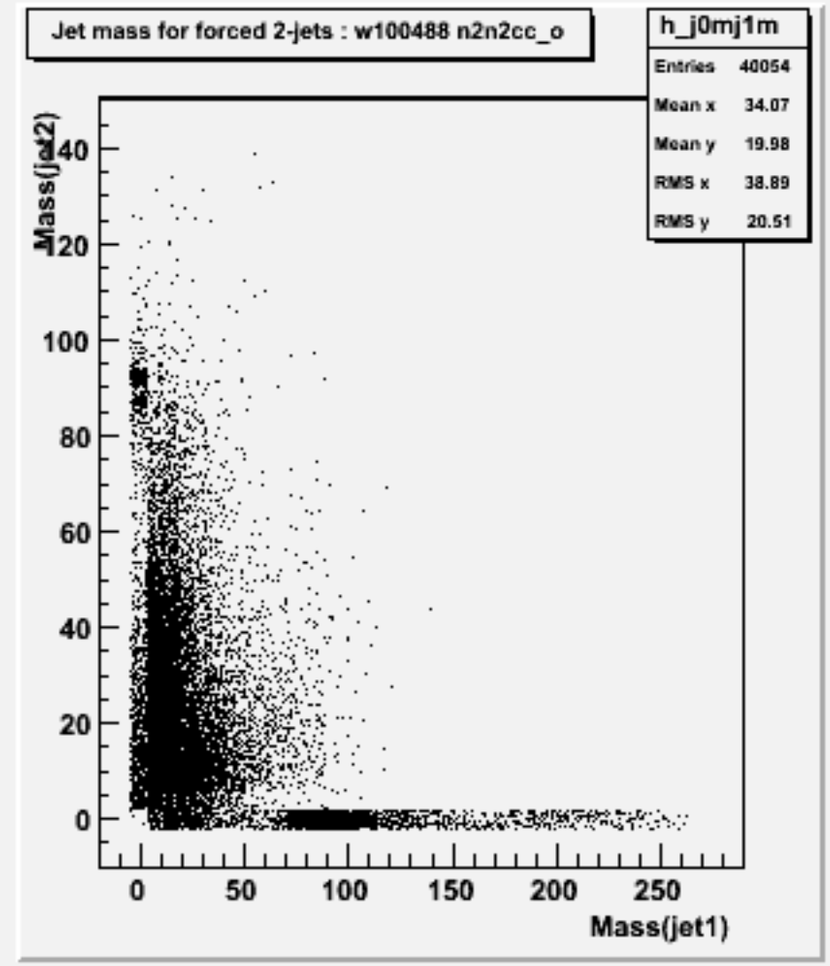

cosΘ(thrust) w100488 n2n2cc_o
h_csth
Entries 40100
Mean -0.0004316
RMS 0.8059
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
Thrust

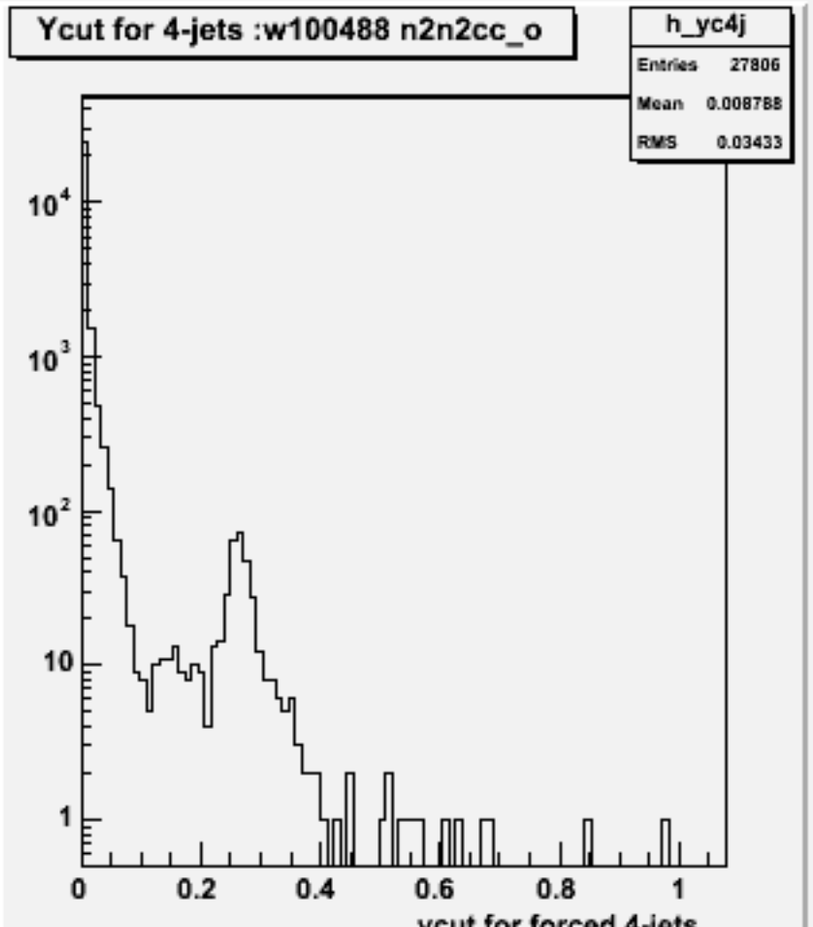

No. jets (ycut=0.001) : w100488 n2n2cc_o
h_njets
Entries 40100
Mean 4.164
RMS 1.203
12000
10000
8000
6000
4000
2000
0
0
2
4
6
8
10
12
No. of jets

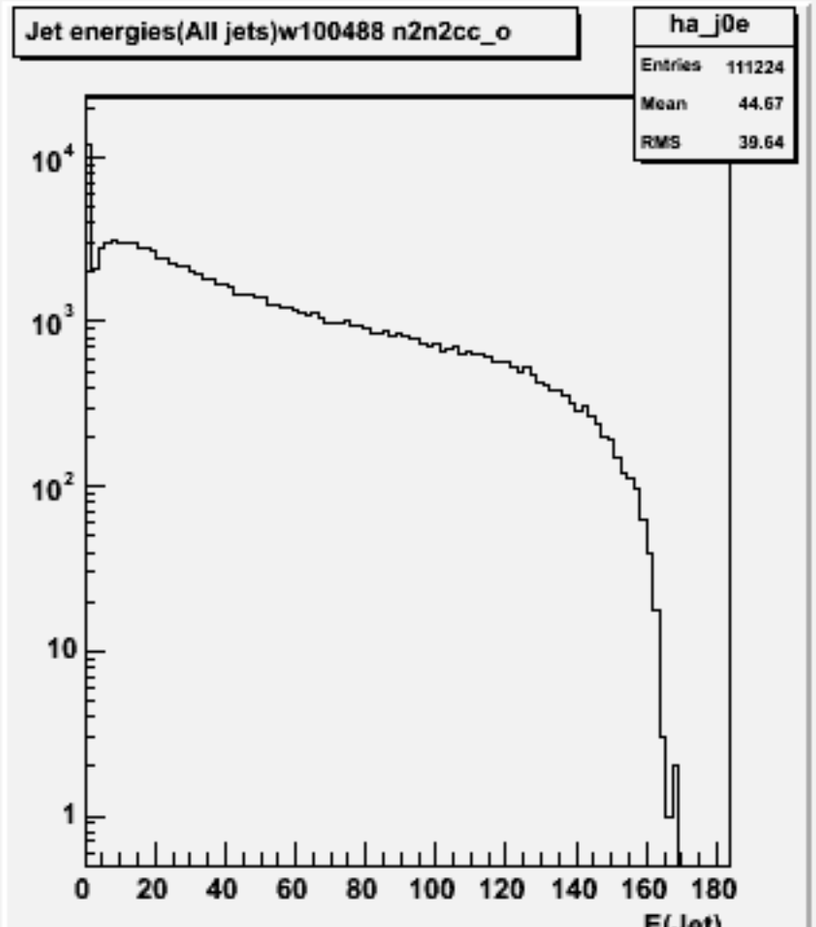

Ycut for 2-jets :w100488 n2n2cc_o
h_yc2j
Entries 40054
Mean 0.07343
RMS 0.1281
14000
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

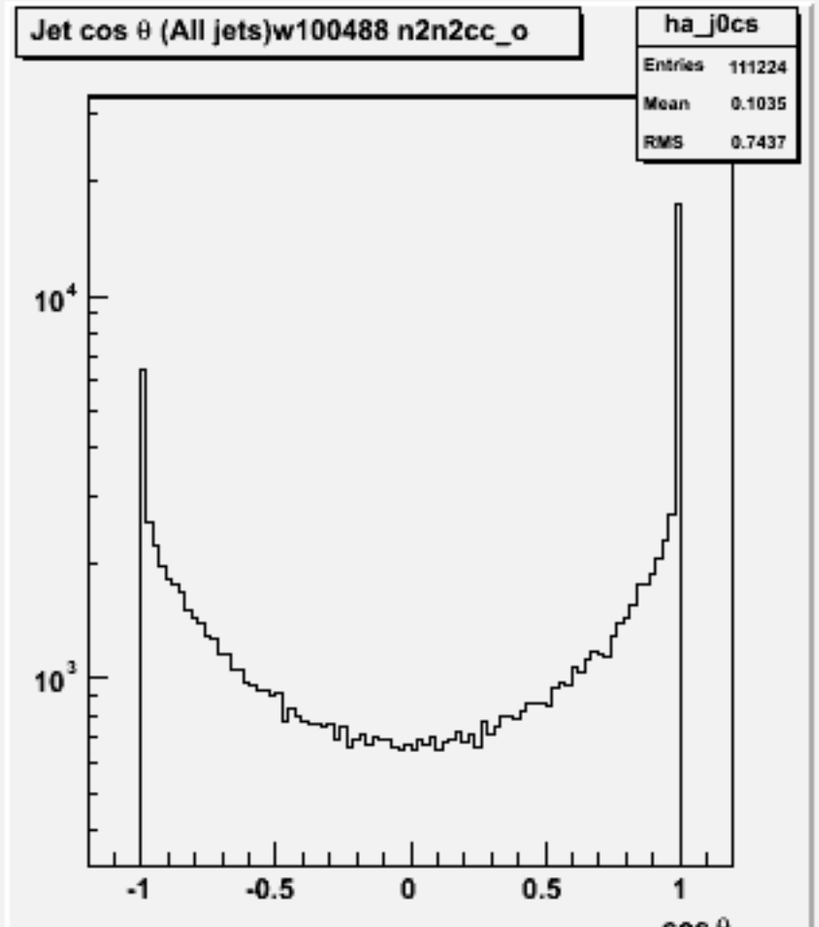

energy for 2-jets :w100488 n2n2cc_o
h_j0e
Entries 80108
Mean 87.48
RMS 53.17
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
160
180
Jet energy (GeV)

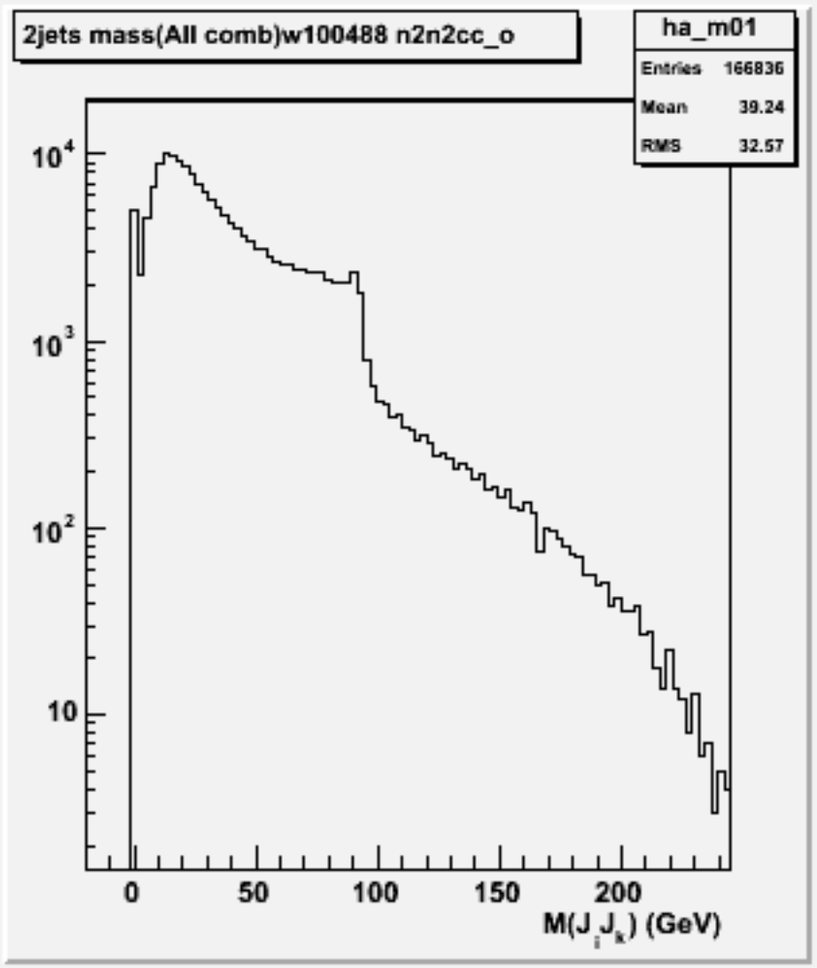

cosθ for 2-jets :w100488 n2n2cc_o
h_j0cs
Entries 80108
Mean 0.09789
RMS 0.7529
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
cos θ(jet)

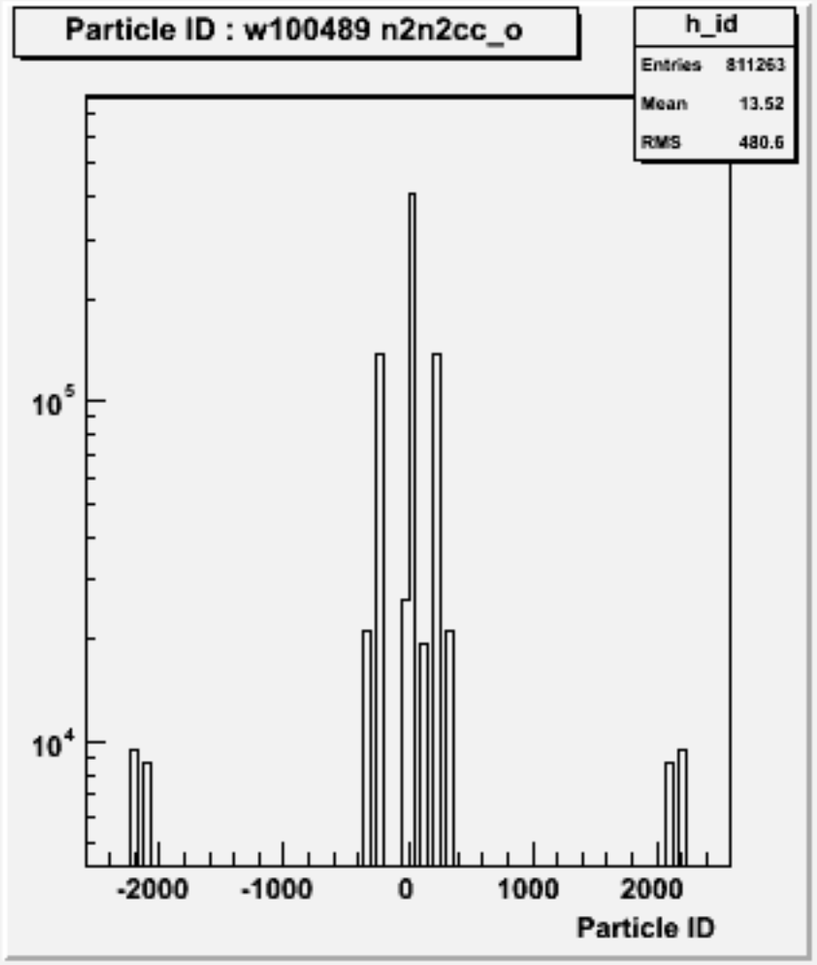

Jet mass for forced 2-jets : w100488 n2n2cc_o
h_j0mj1m
Entries 40054
Mean x 34.07
Mean y 19.98
RMS x 38.89
RMS y 20.51
Mass(jet2)
40
20
100
80
60
40
20
0
0
50
100
150
200
250
Mass(jet1)

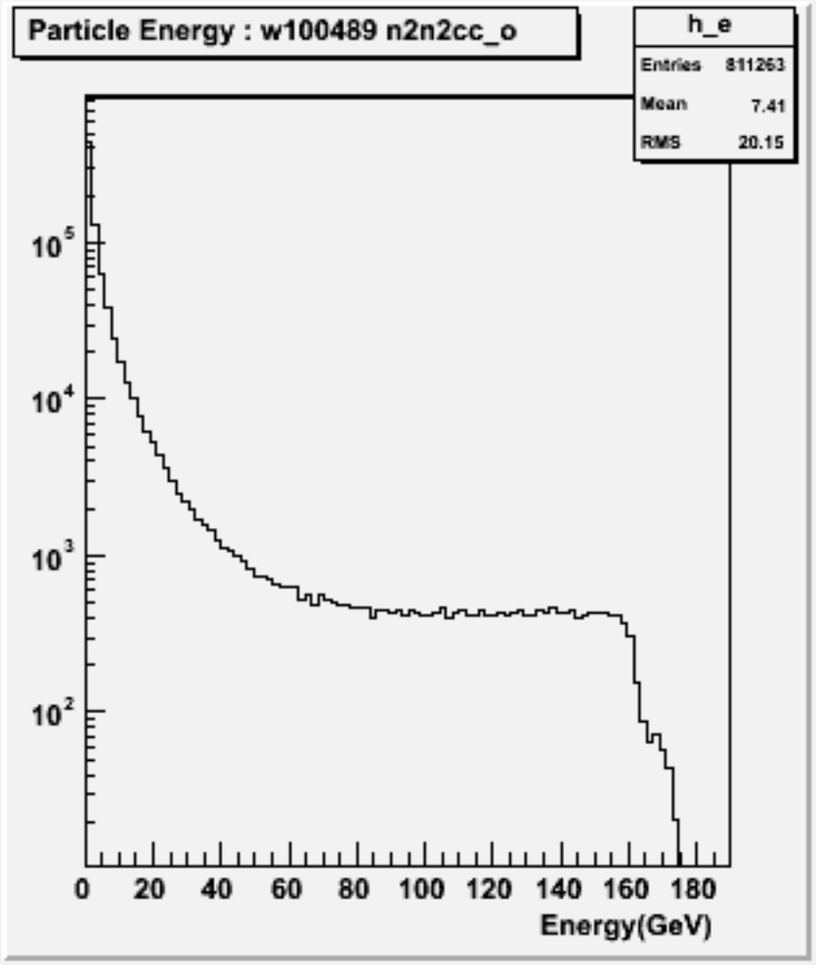

Ycut for 4-jets :w100488 n2n2cc_o
h_yc4j
Entries 27806
Mean 0.008788
RMS 0.03433
ycut for forced 4-jets

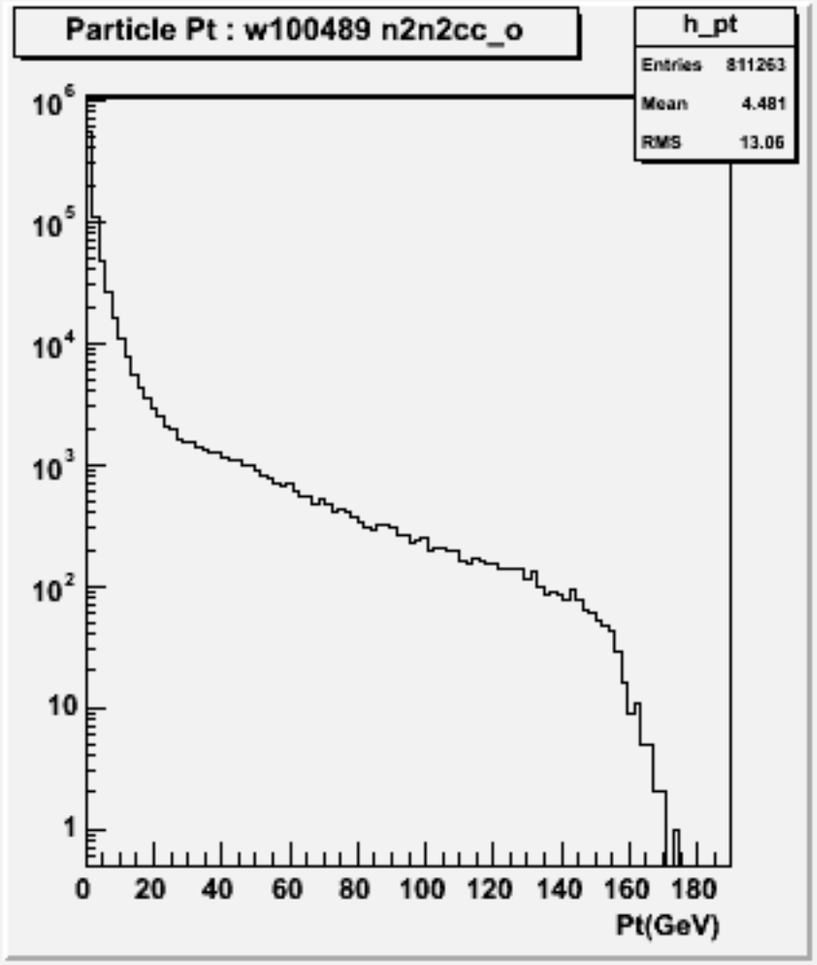

Jet energies(All jets)w100488 n2n2cc_o
ha_j0e
Entries 111224
Mean 44.67
RMS 39.64
E(Jet)

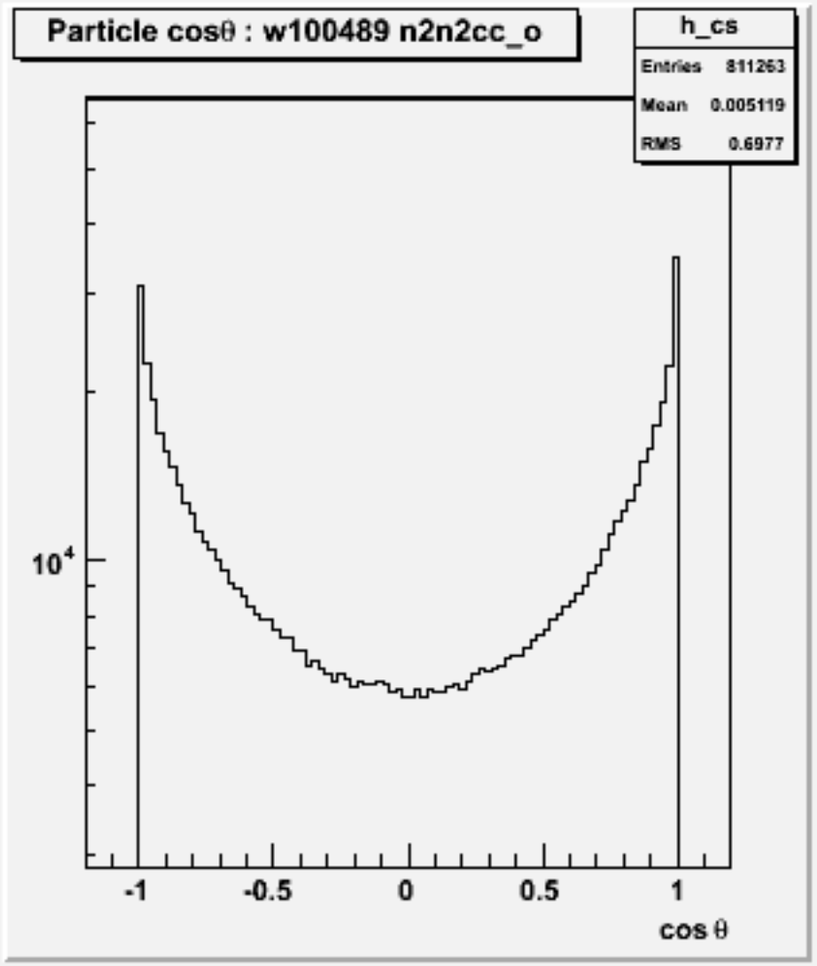

Jet cos θ (All jets)w100488 n2n2cc_o
ha_j0cs
Entries 111224
Mean 0.1035
RMS 0.7437
cos θ

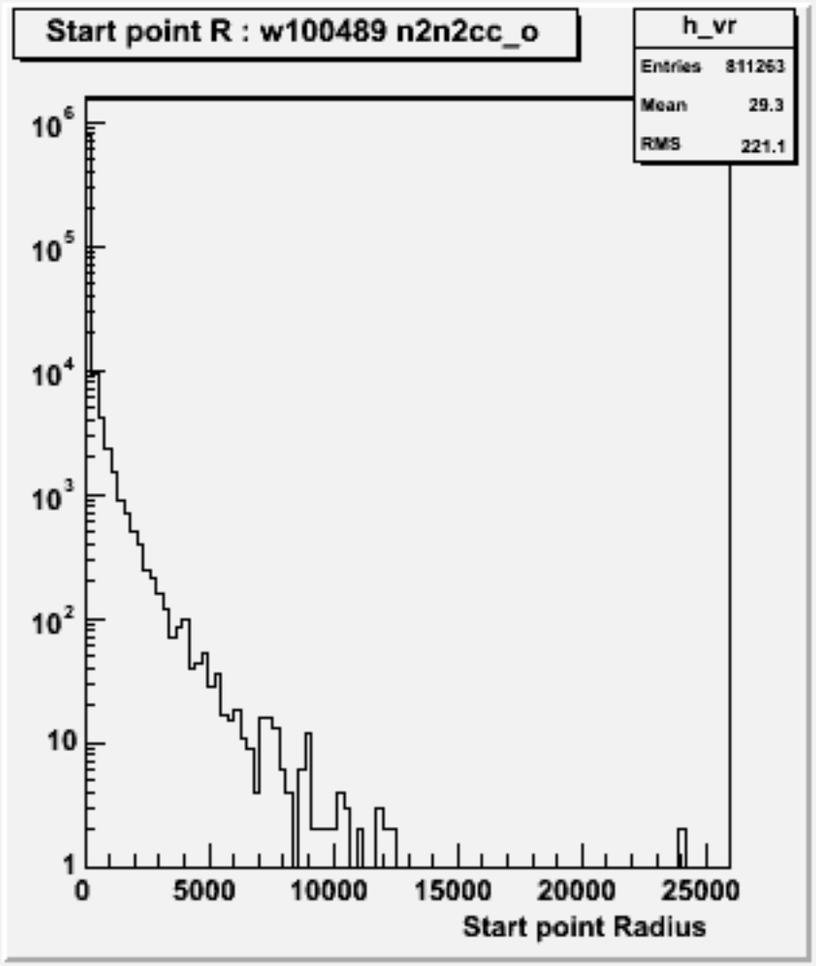

2jets mass(All comb)w100488 n2n2cc_o
ha_m01
Entries 166836
Mean 39.24
RMS 32.57
M(J_iJ_k) (GeV)

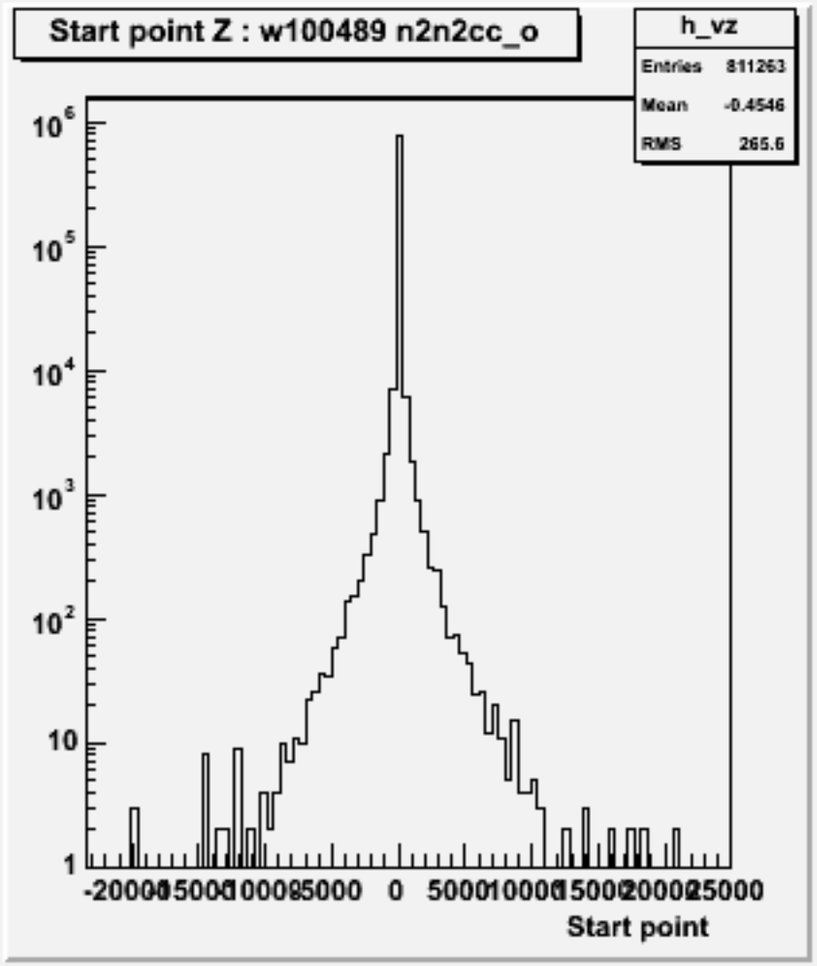

Particle ID : w100489 n2n2cc_o
h_id
Entries 811263
Mean 13.52
RMS 480.6
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

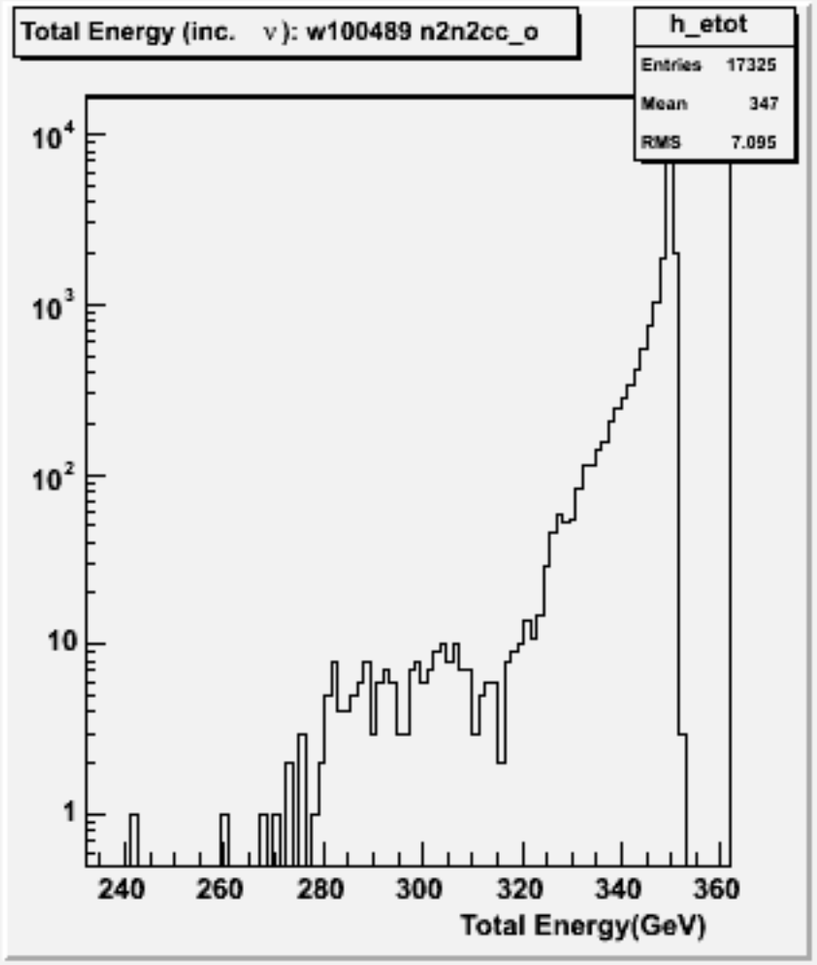

Particle Energy : w100489 n2n2cc_o
h_e
Entries 811263
Mean 7.41
RMS 20.15
10^5
10^4
10^3
10^2
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

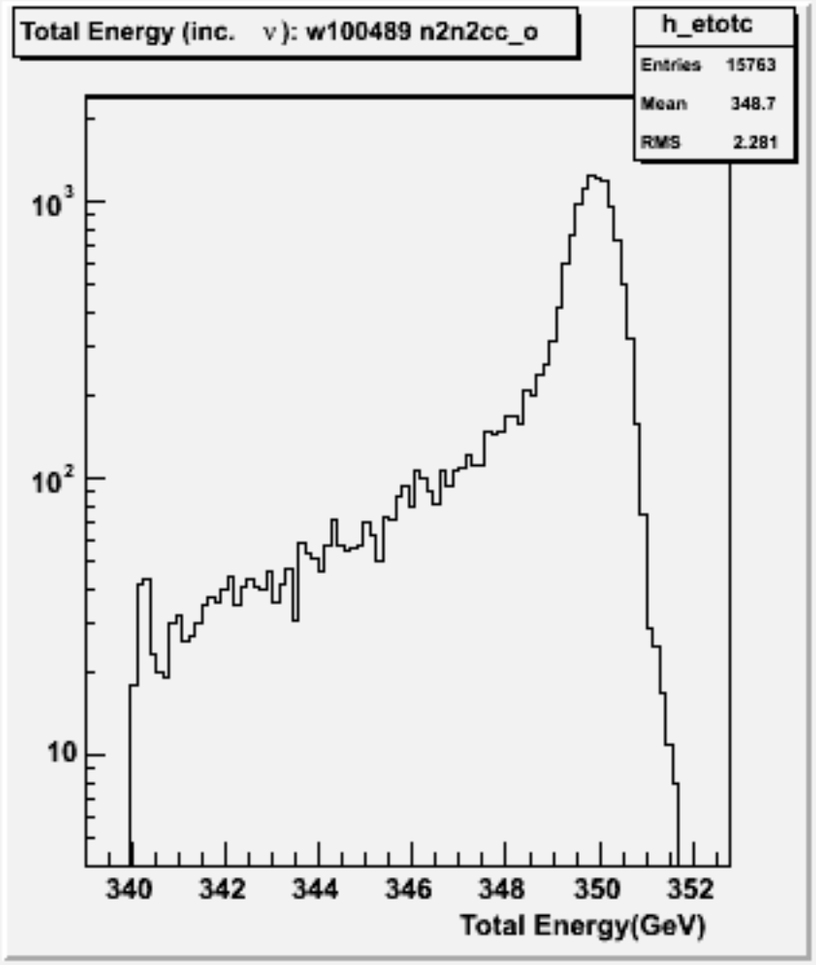

Particle Pt : w100489 n2n2cc_o
h_pt
Entries 811263
Mean 4.481
RMS 13.06
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

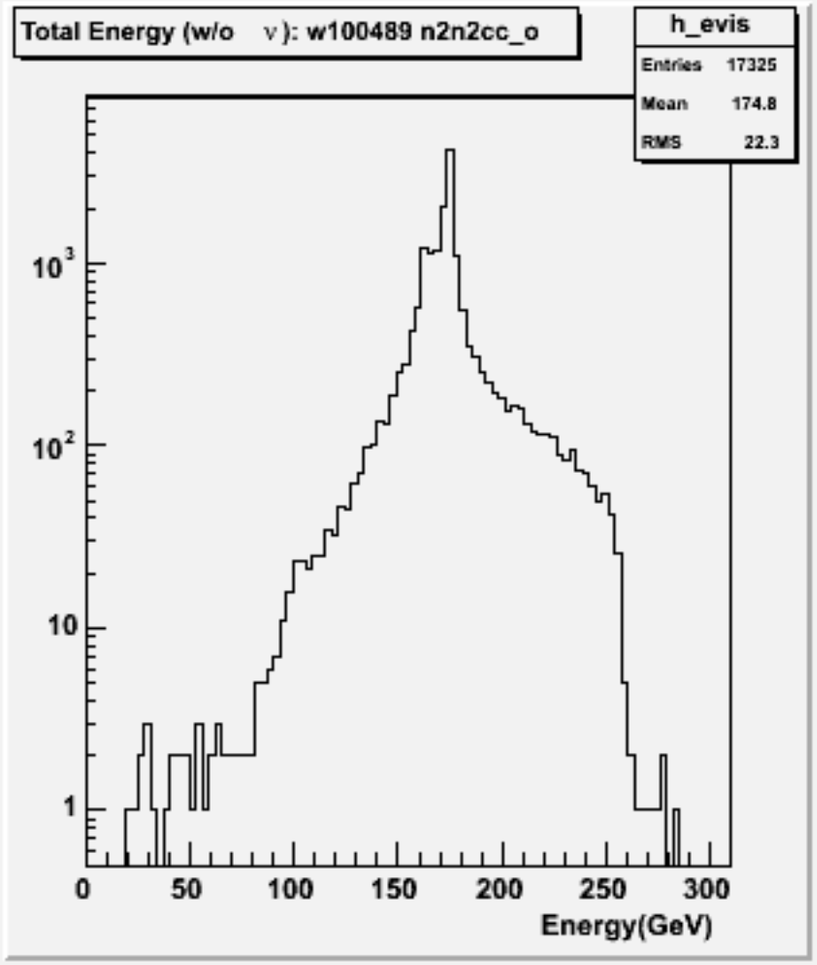

Particle cosθ : w100489 n2n2cc_o
h_cs
Entries 811263
Mean 0.005119
RMS 0.6977
10^4
-1
-0.5
0
0.5
1
cos θ

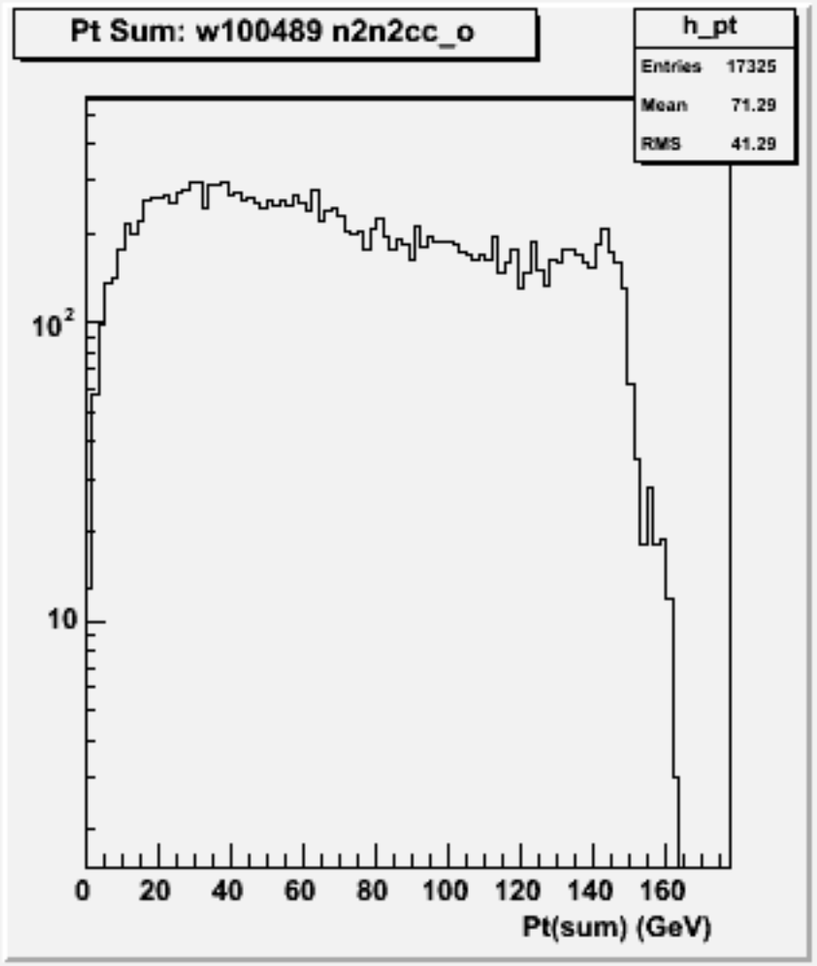

Start point R : w100489 n2n2cc_o
h_vr
Entries 811263
Mean 29.3
RMS 221.1
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

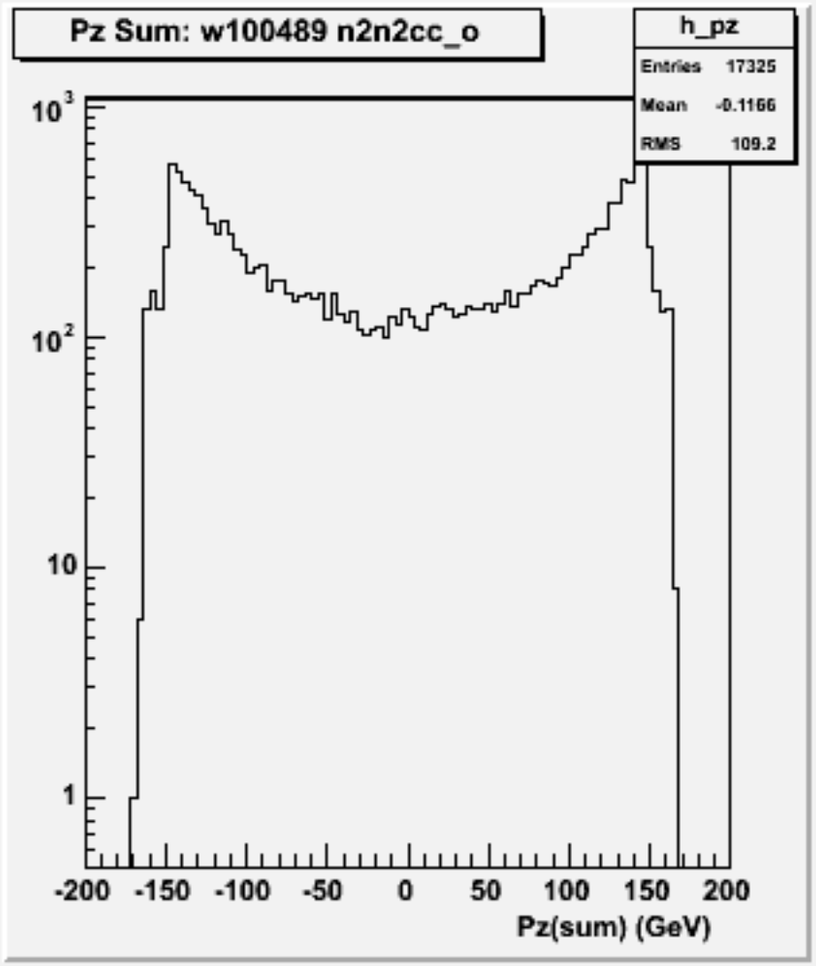

Start point Z : w100489 n2n2cc_o
h_vz
Entries 811263
Mean -0.4546
RMS 265.6
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-15000
-10000
-5000
0
5000
10000
15000
20000
25000
Start point

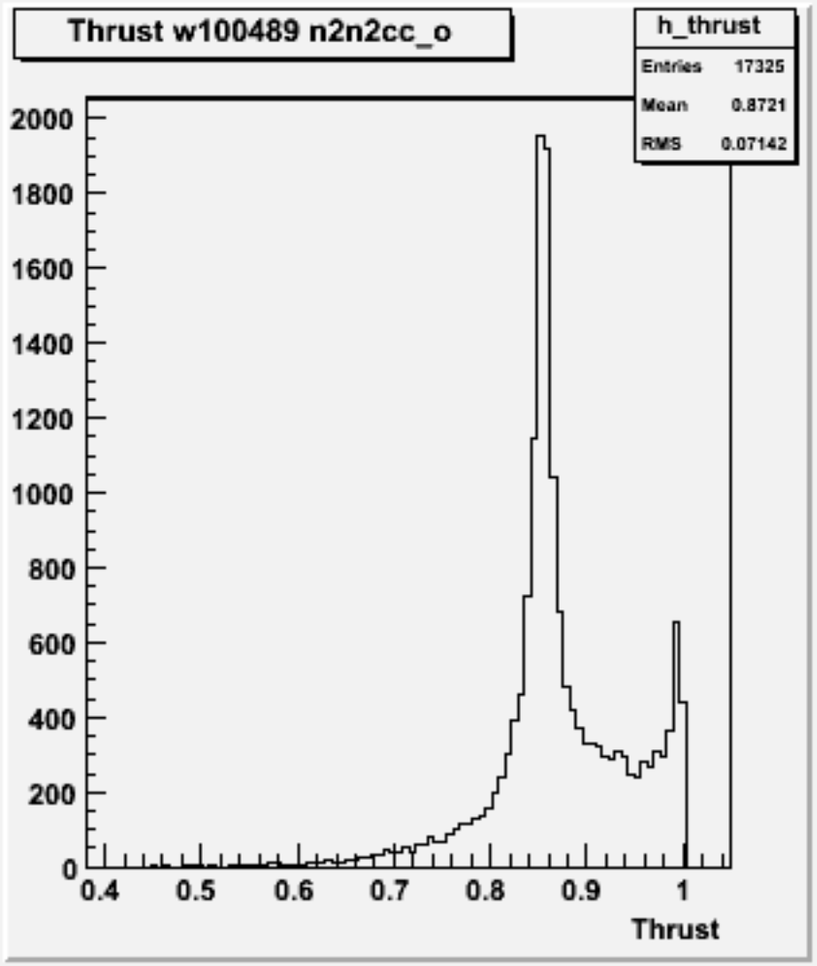

Total Energy (inc. ν): w100489 n2n2cc_o
h_etot
Entries 17325
Mean 347
RMS 7.095
Total Energy(GeV)

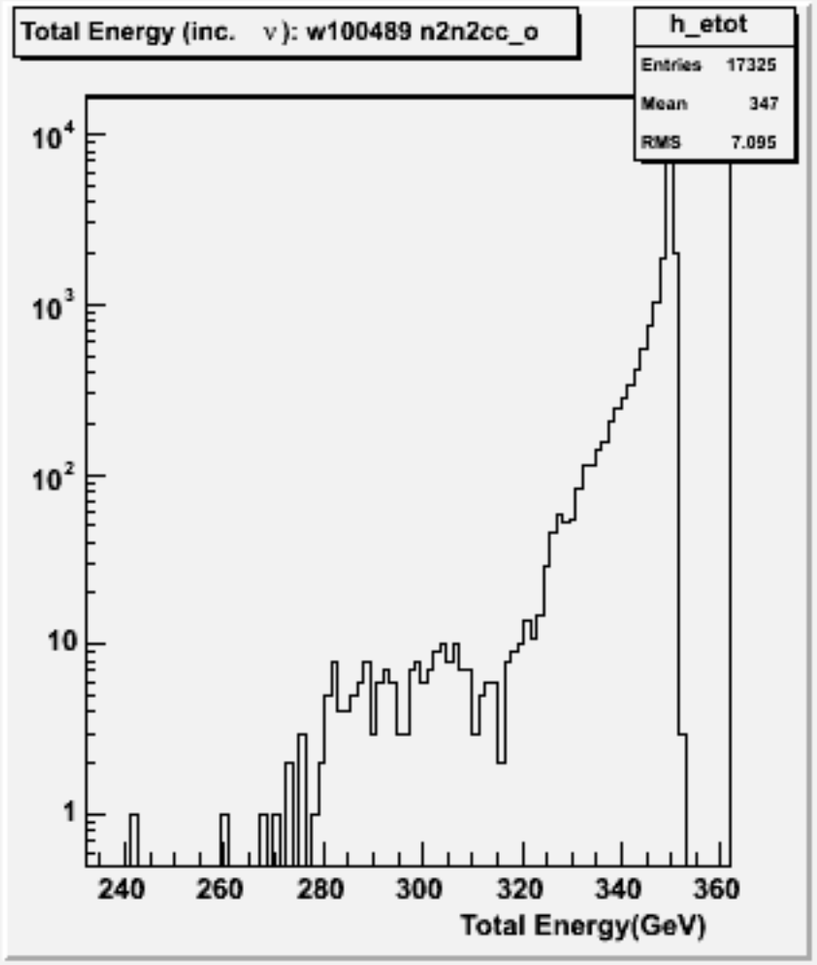

Total Energy (inc. ν): w100489 n2n2cc_o
h_etotc
Entries 15763
Mean 348.7
RMS 2.281
Total Energy(GeV)

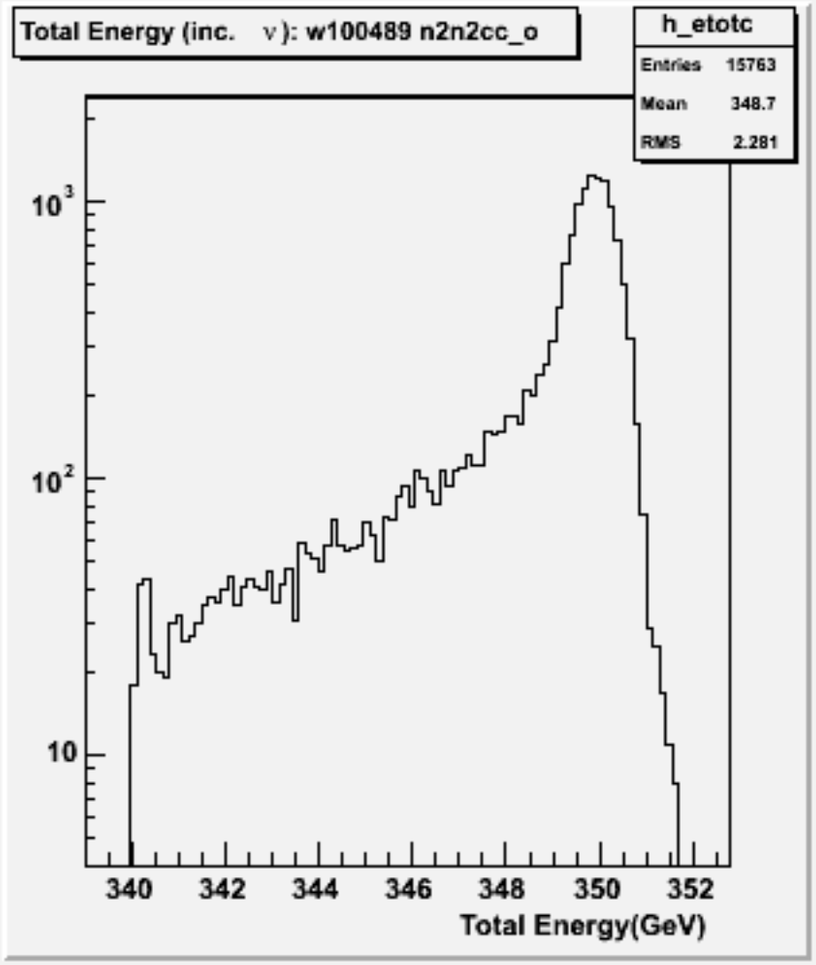

Total Energy (w/o ν): w100489 n2n2cc_o
h_evis
Entries 17325
Mean 174.8
RMS 22.3
Energy(GeV)

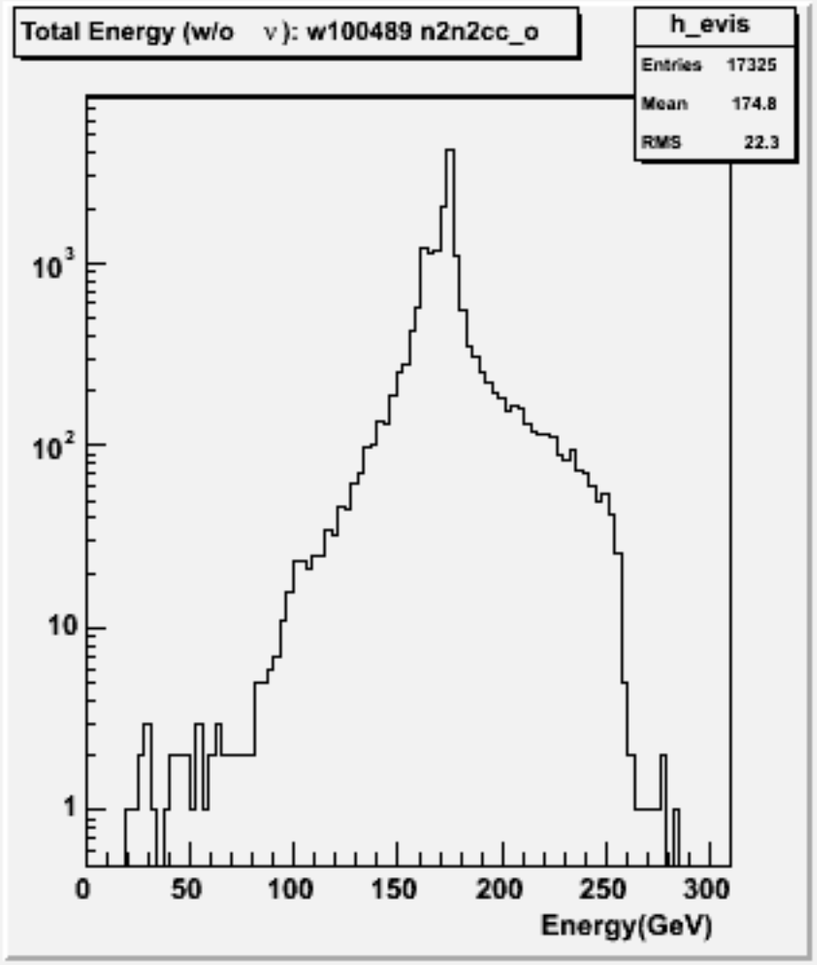

Pt Sum: w100489 n2n2cc_o
h_pt
Entries 17325
Mean 71.29
RMS 41.29
Pt(sum) (GeV)

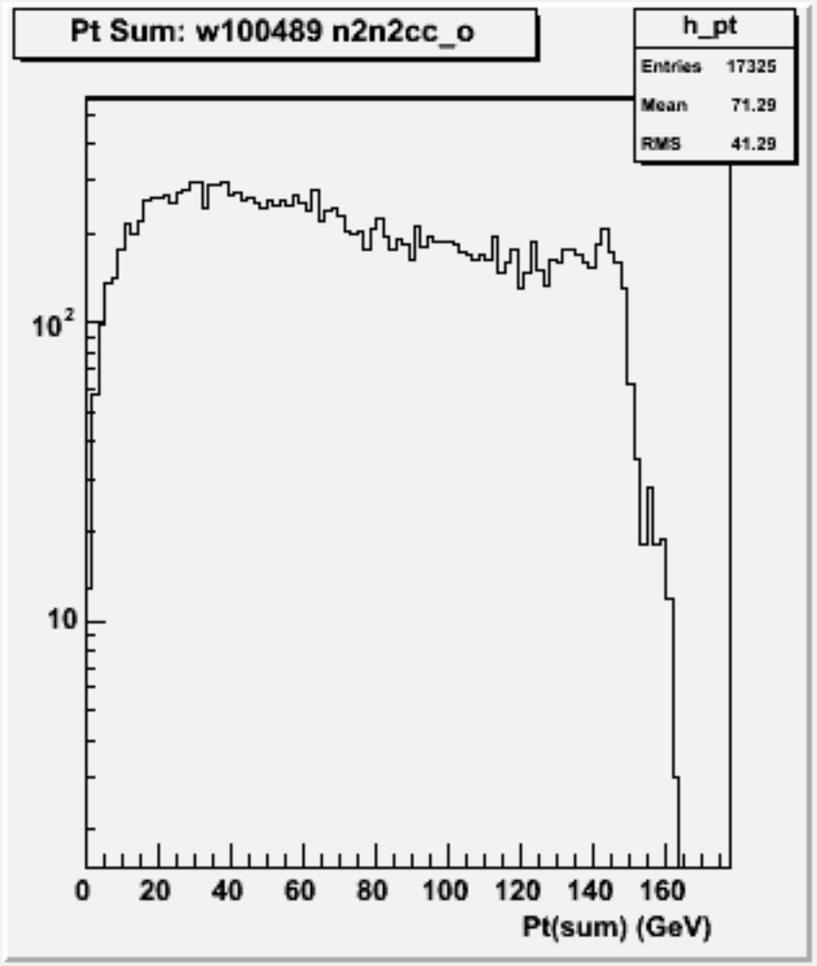

Pz Sum: w100489 n2n2cc_o
h_pz
Entries 17325
Mean -0.1166
RMS 109.2
Pz(sum) (GeV)

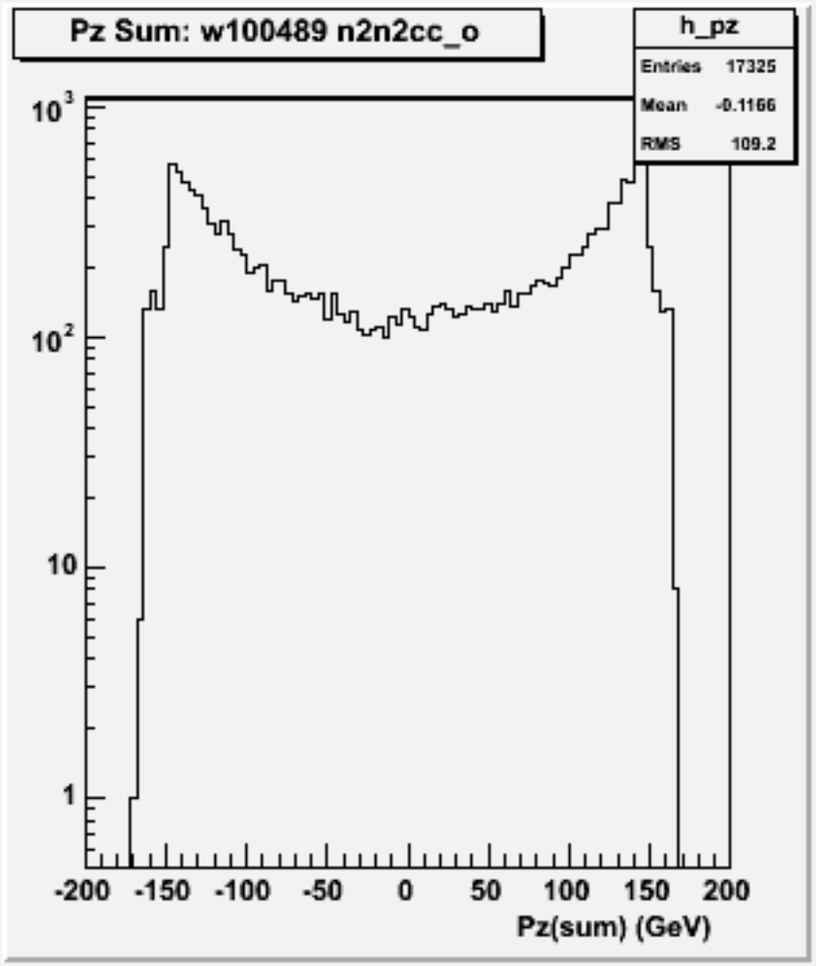

Thrust w100489 n2n2cc_o
h_thrust
Entries 17325
Mean 0.8721
RMS 0.07142
Thrust

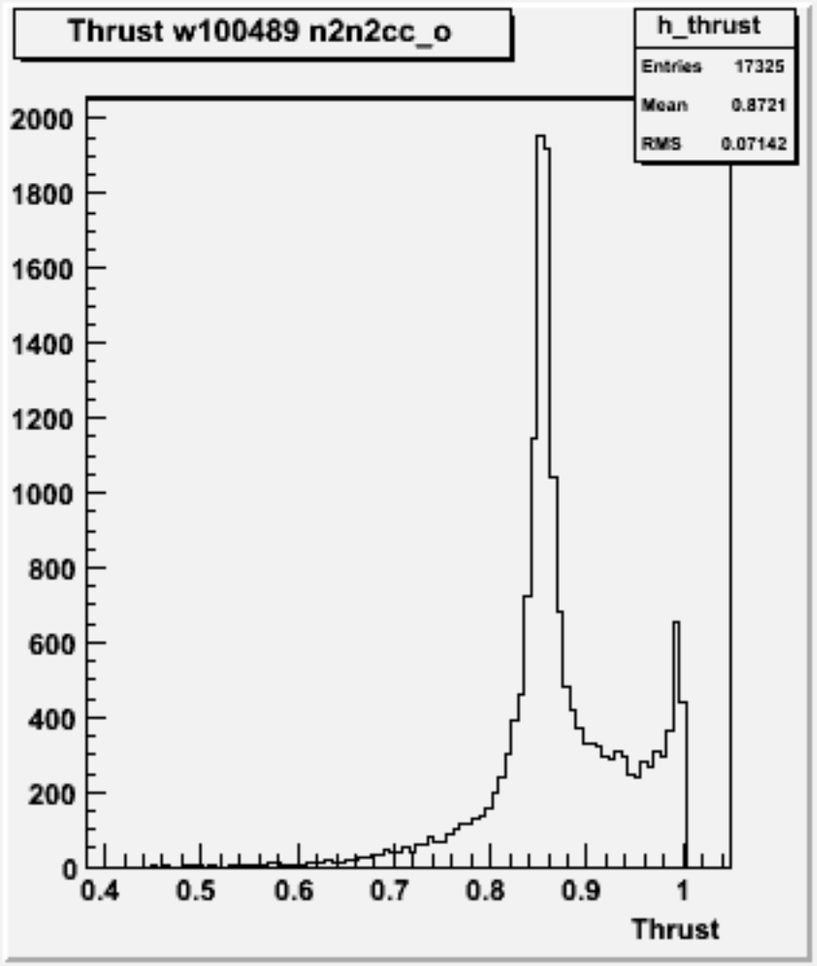

Total Energy (inc. ν): w100489 n2n2cc_o
h_etot
Entries 17325
Mean 347
RMS 7.095
Total Energy(GeV)

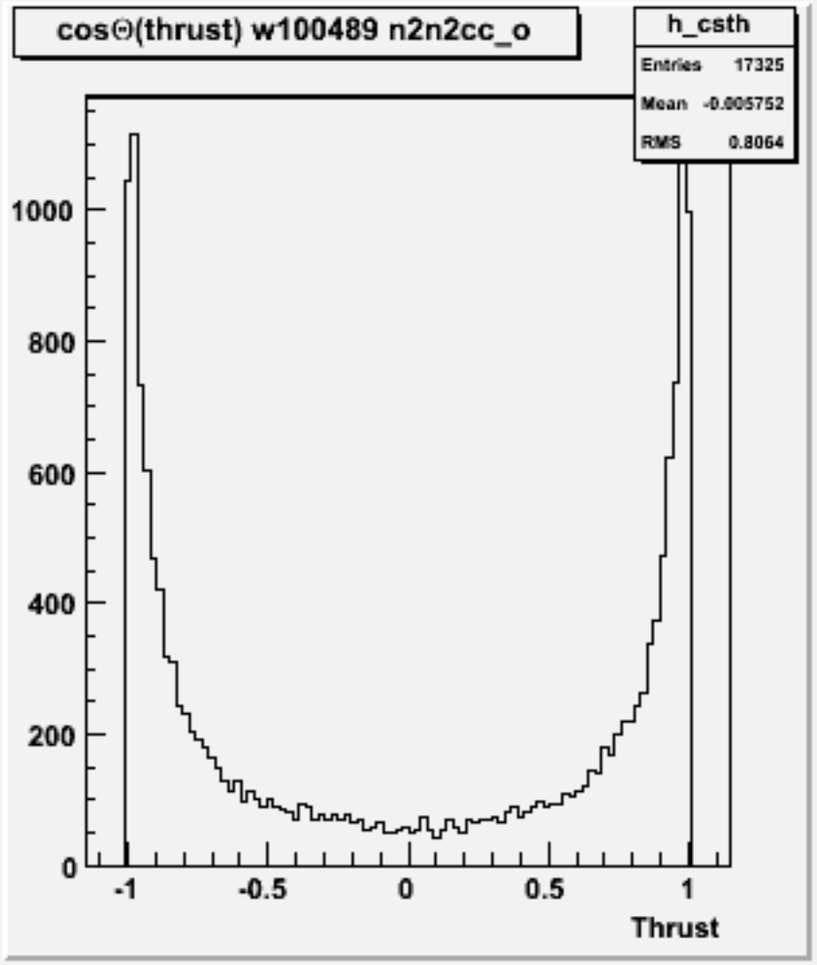

Total Energy (inc. ν): w100489 n2n2cc_o
h_etotc
Entries 15763
Mean 348.7
RMS 2.281
Total Energy(GeV)

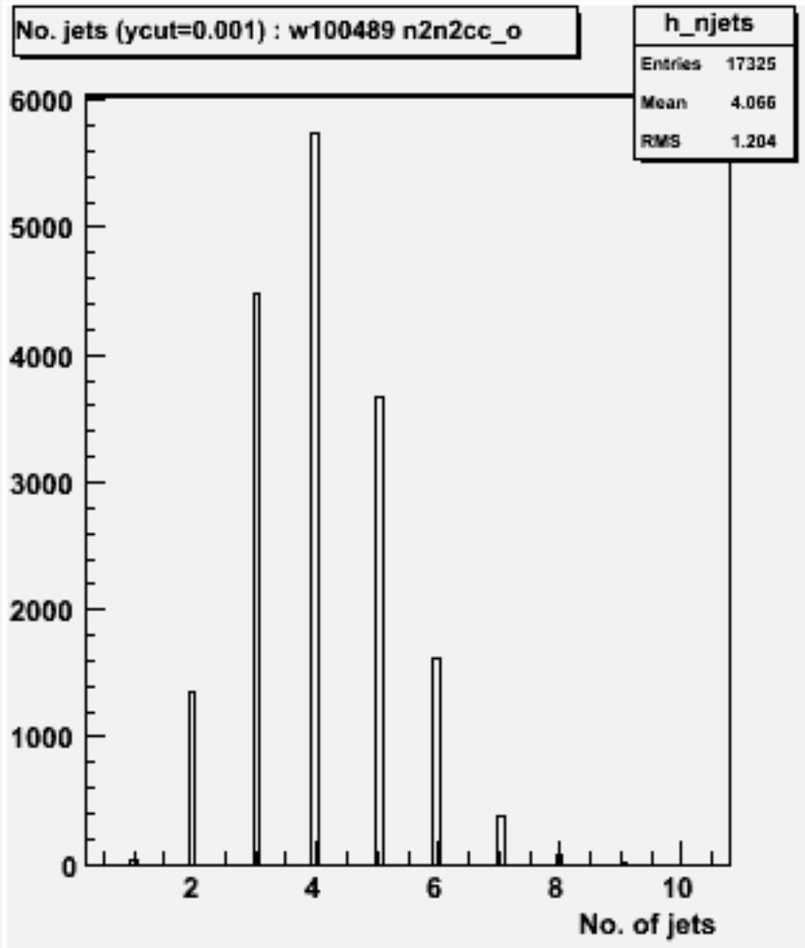

Total Energy (w/o ν): w100489 n2n2cc_o
h_evis
Entries 17325
Mean 174.8
RMS 22.3
Energy(GeV)

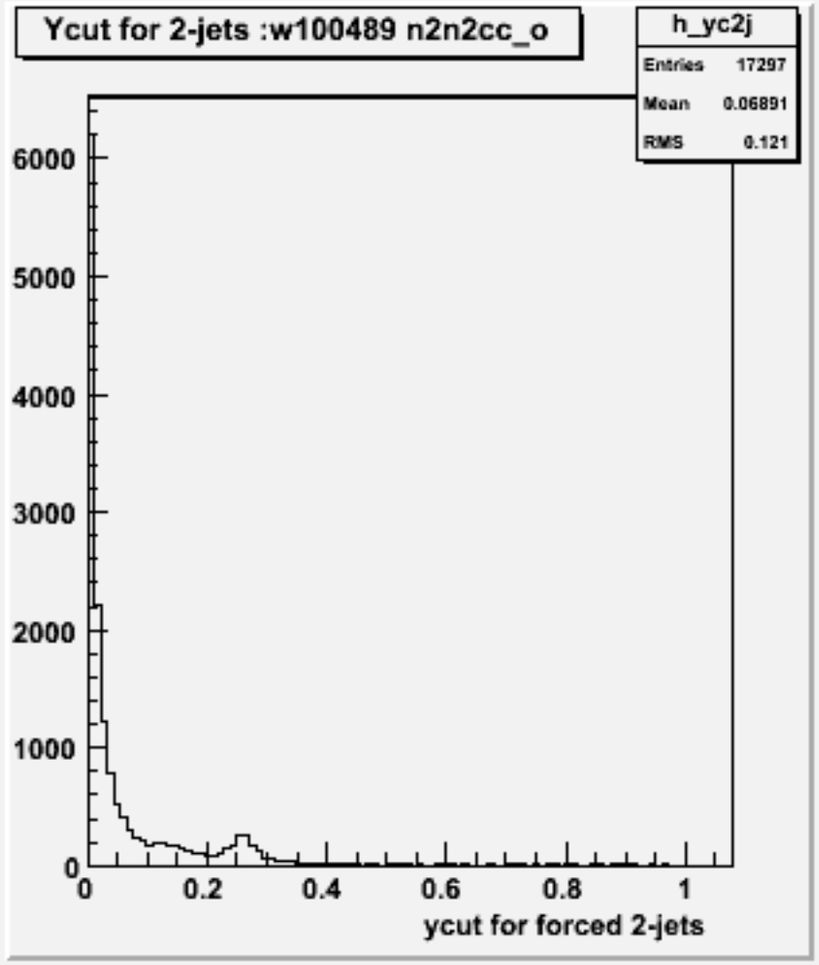

Pt Sum: w100489 n2n2cc_o
h_pt
Entries 17325
Mean 71.29
RMS 41.29
Pt(sum) (GeV)

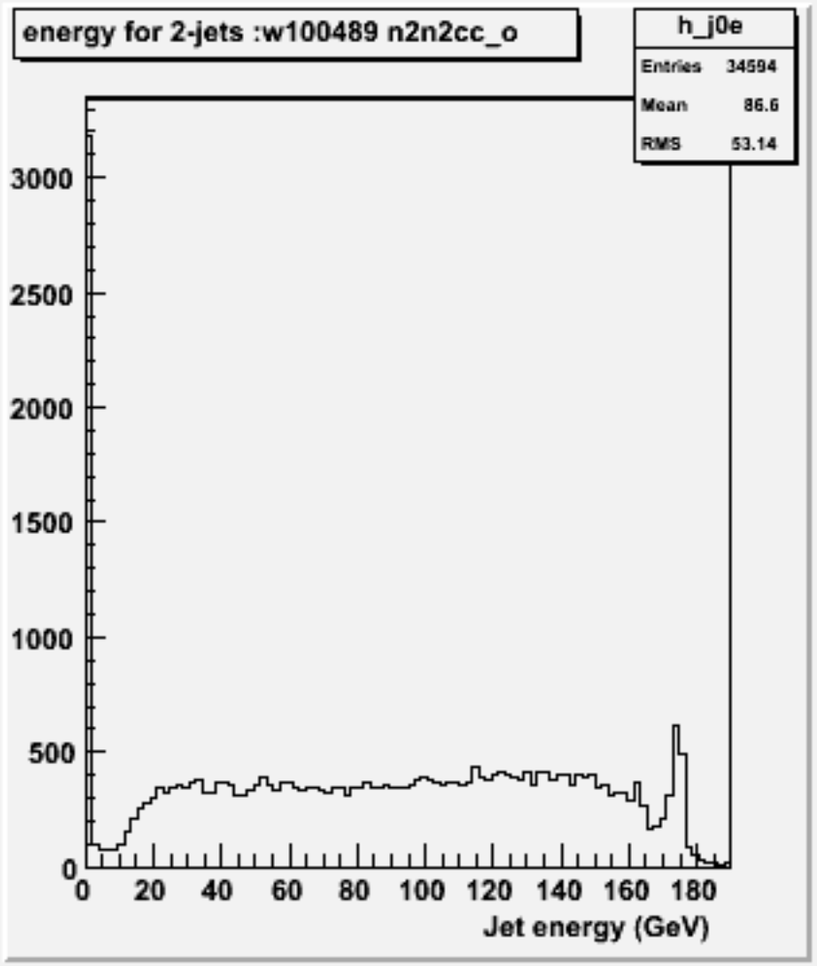

Pz Sum: w100489 n2n2cc_o
h_pz
Entries 17325
Mean -0.1166
RMS 109.2
Pz(sum) (GeV)

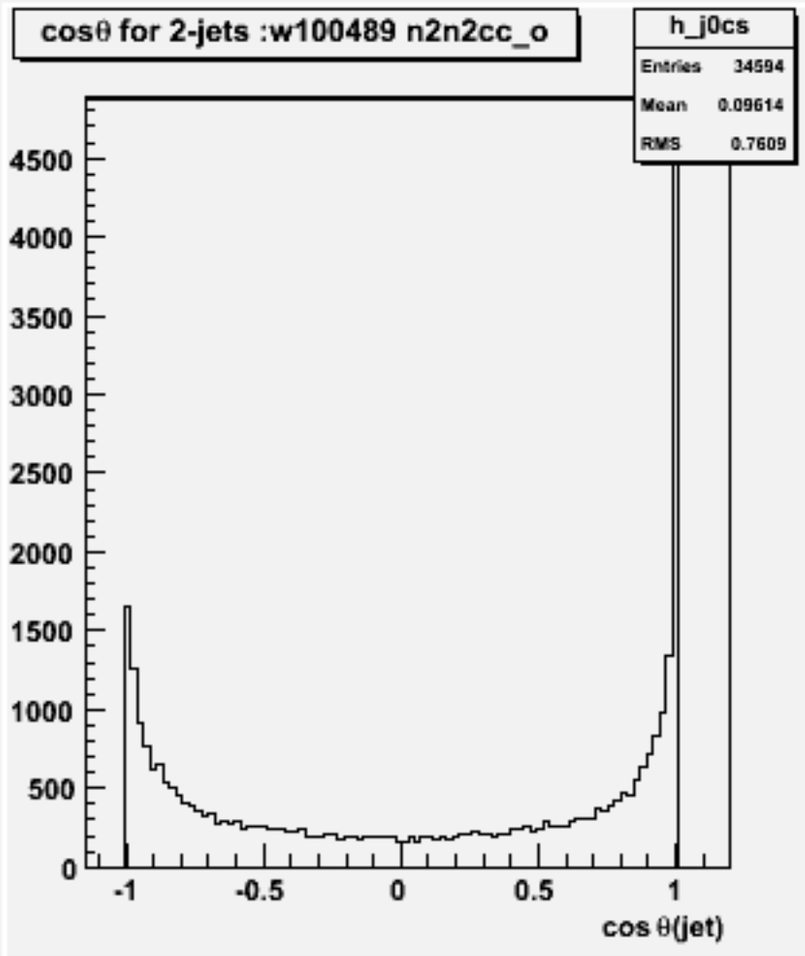

Thrust w100489 n2n2cc_o
h_thrust
Entries 17325
Mean 0.8721
RMS 0.07142
Thrust

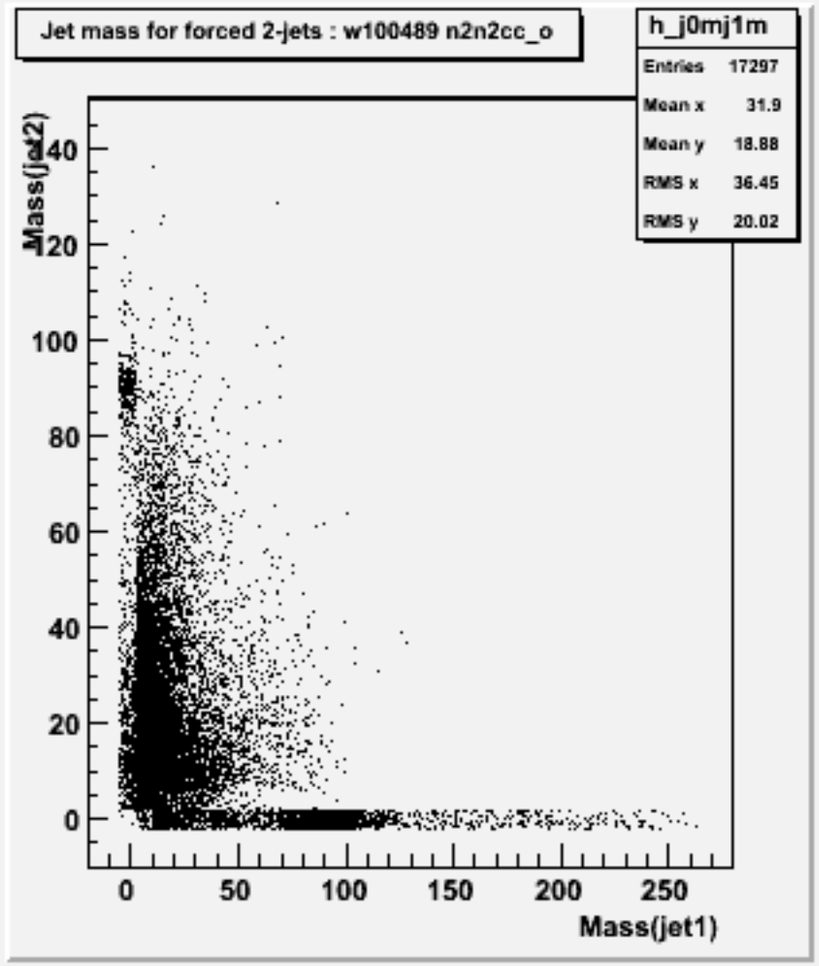

cosΘ(thrust) w100489 n2n2cc_o
h_csth
Entries 17325
Mean -0.005752
RMS 0.8064
Thrust

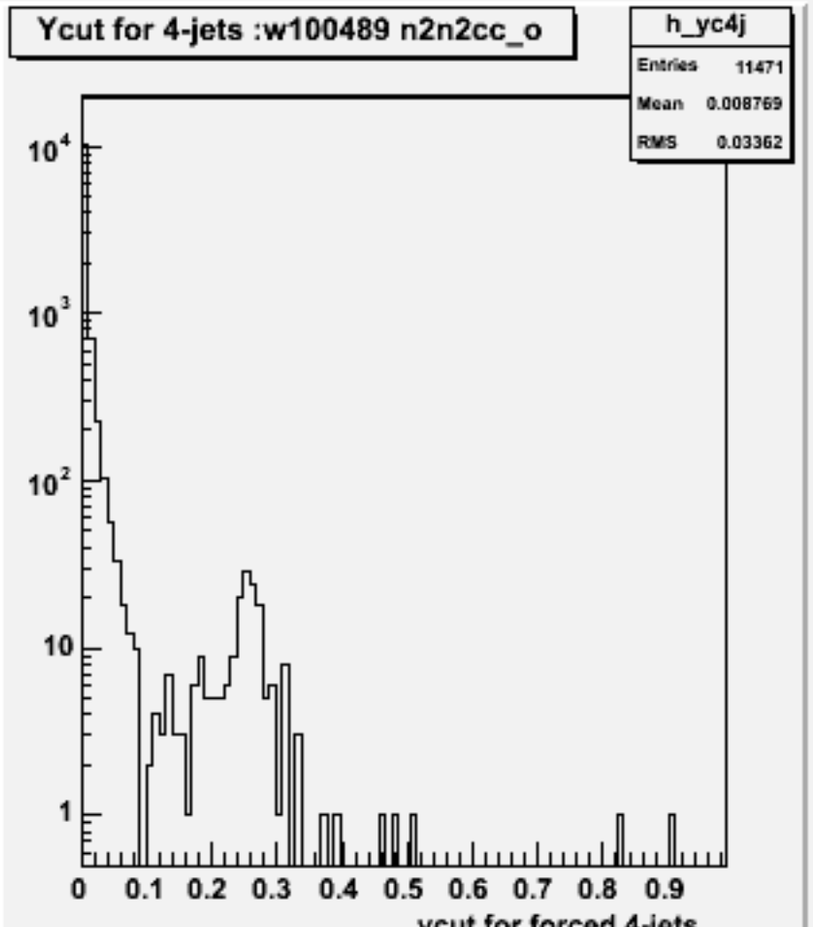

No. jets (ycut=0.001) : w100489 n2n2cc_o
h_njets
Entries 17325
Mean 4.066
RMS 1.204
No. of jets

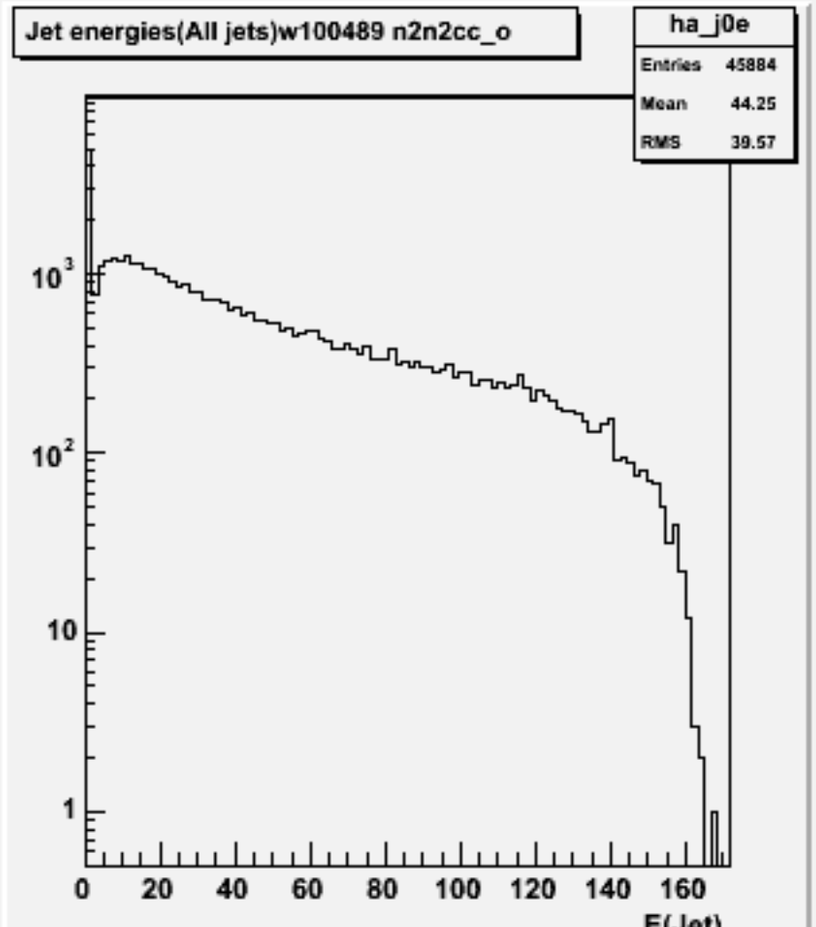

Ycut for 2-jets :w100489 n2n2cc_o
h_yc2j
Entries 17297
Mean 0.06891
RMS 0.121
ycut for forced 2-jets

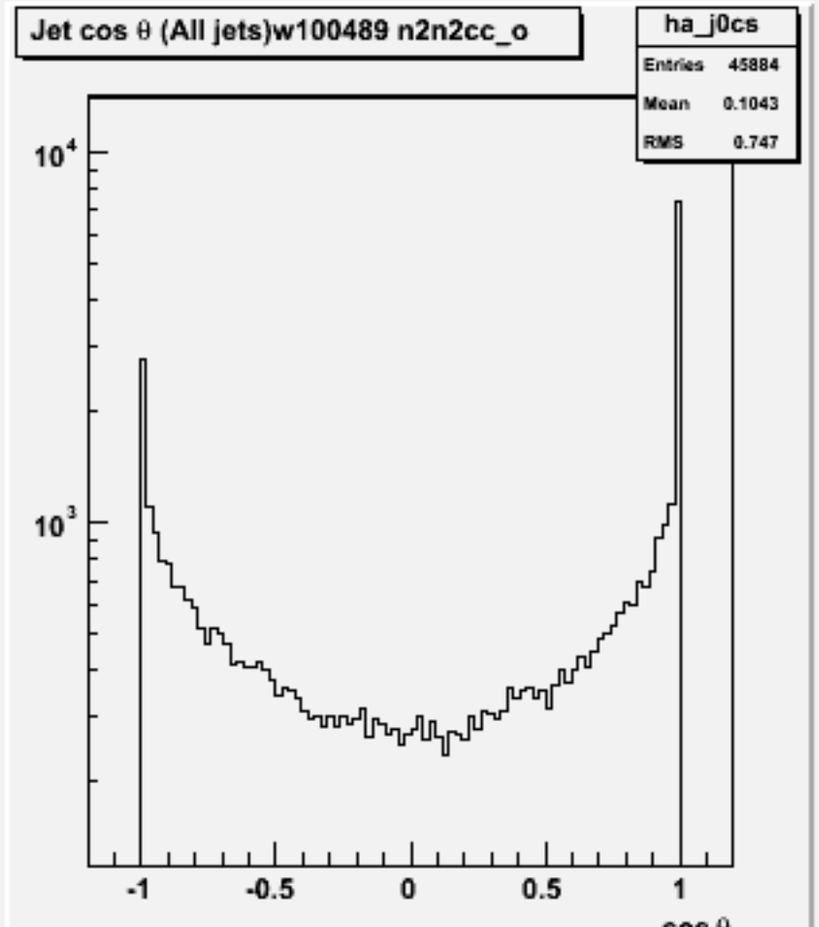

energy for 2-jets :w100489 n2n2cc_o
h_j0e
Entries 34594
Mean 86.6
RMS 53.14
Jet energy (GeV)

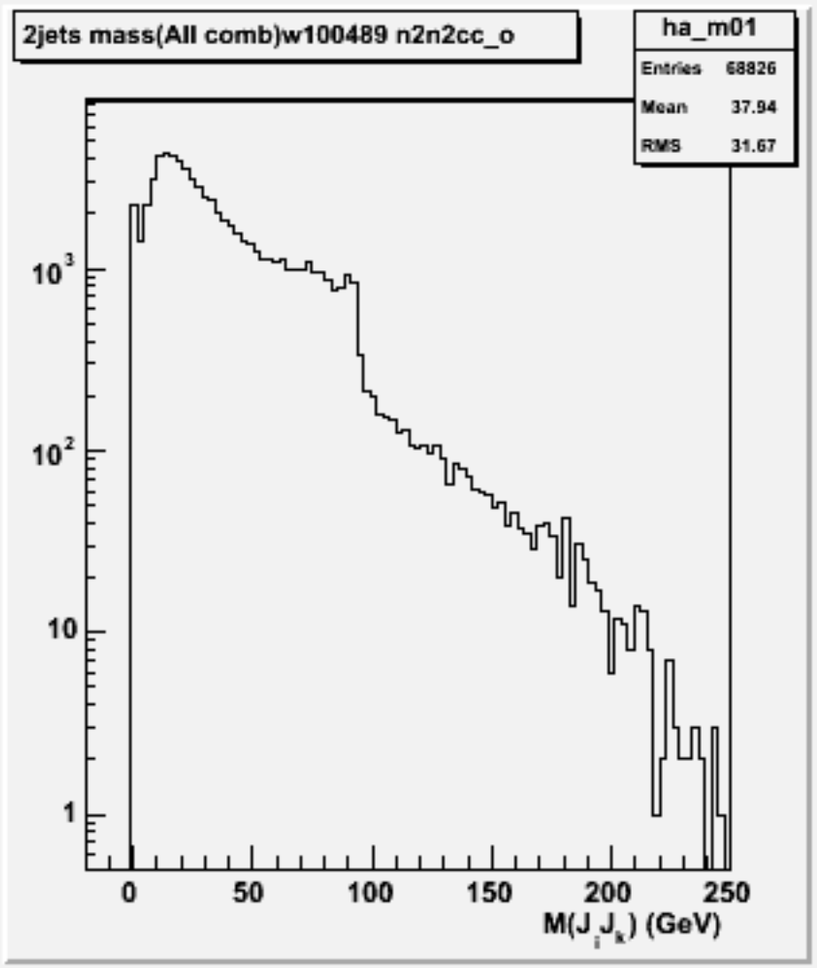

cosθ for 2-jets :w100489 n2n2cc_o
h_j0cs
Entries 34594
Mean 0.09614
RMS 0.7609
cos θ(jet)

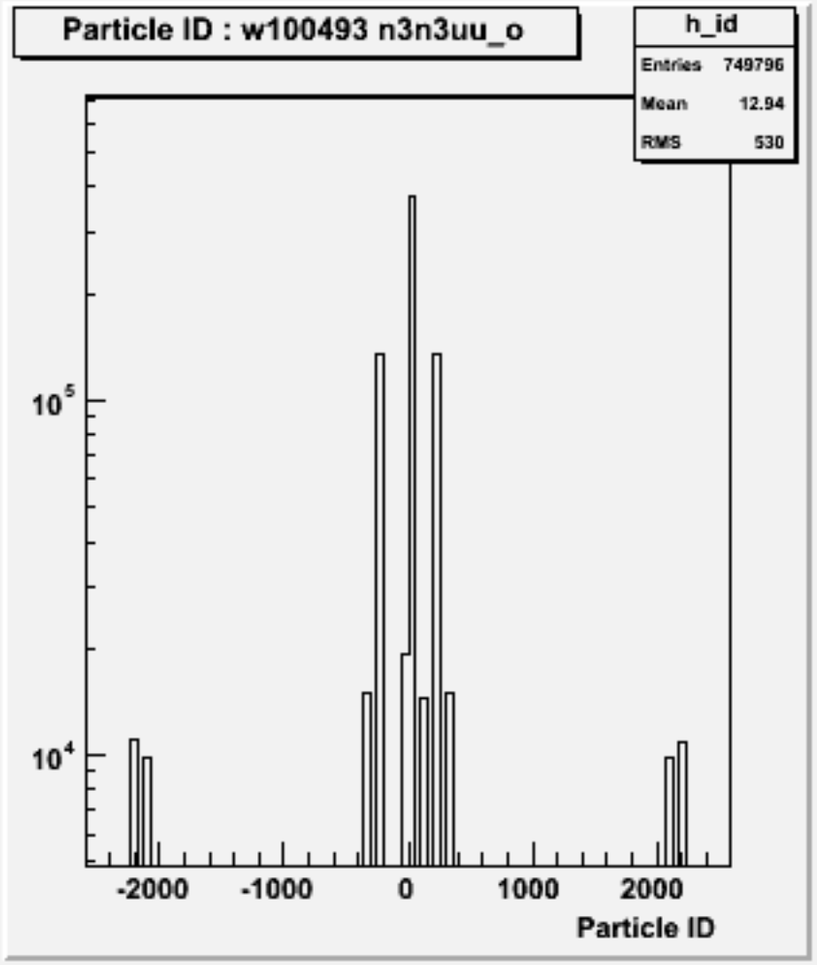

Jet mass for forced 2-jets : w100489 n2n2cc_o
h_j0mj1m
Entries 17297
Mean x 31.9
Mean y 18.88
RMS x 36.45
RMS y 20.02
Mass(jet2)
Mass(jet1)

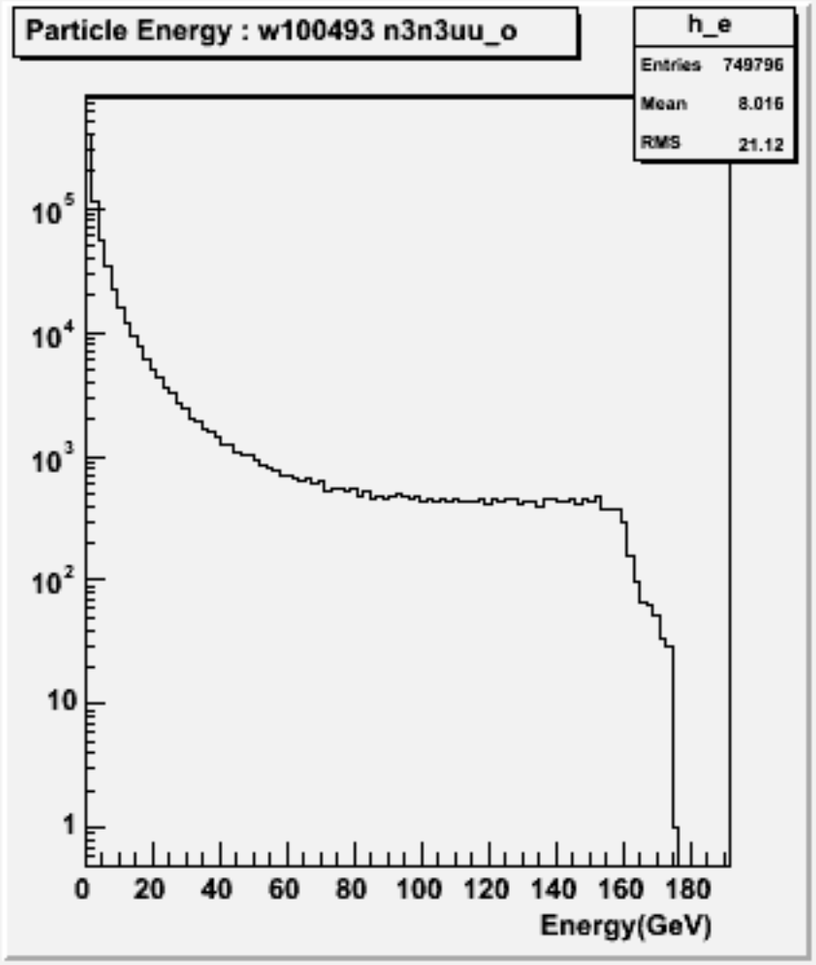

Ycut for 4-jets :w100489 n2n2cc_o
h_yc4j
Entries 11471
Mean 0.008769
RMS 0.03362
ycut for forced 4-jets

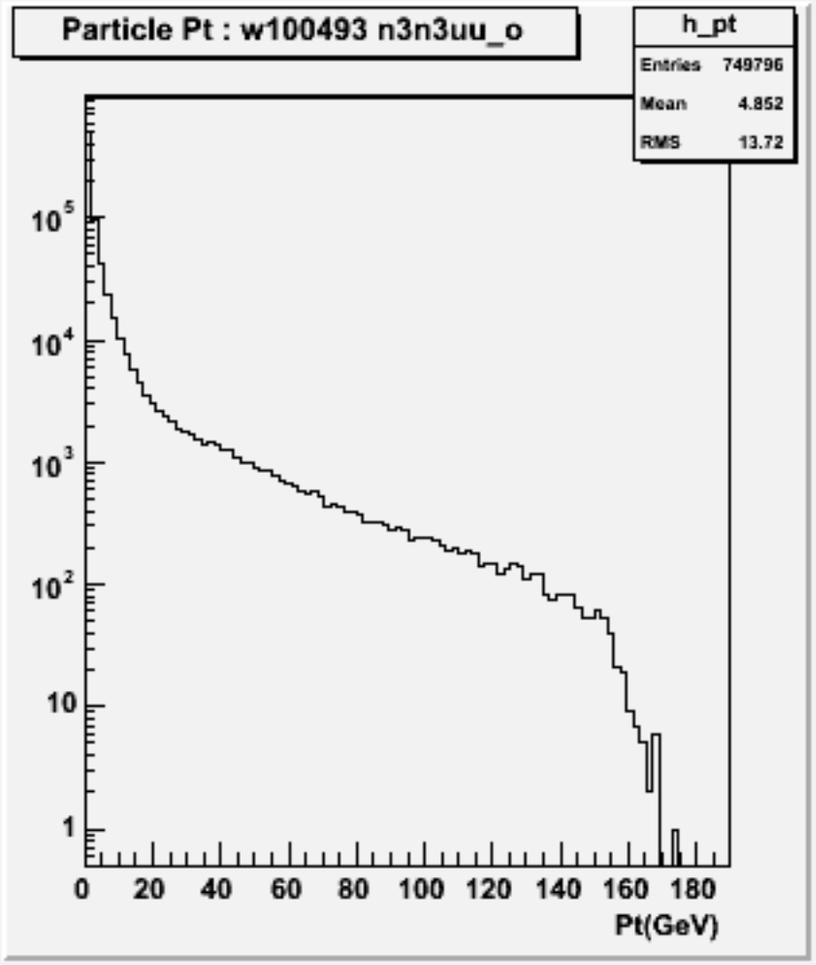

Jet energies(All jets)w100489 n2n2cc_o
ha_j0e
Entries 45884
Mean 44.25
RMS 39.57
E(Jet)

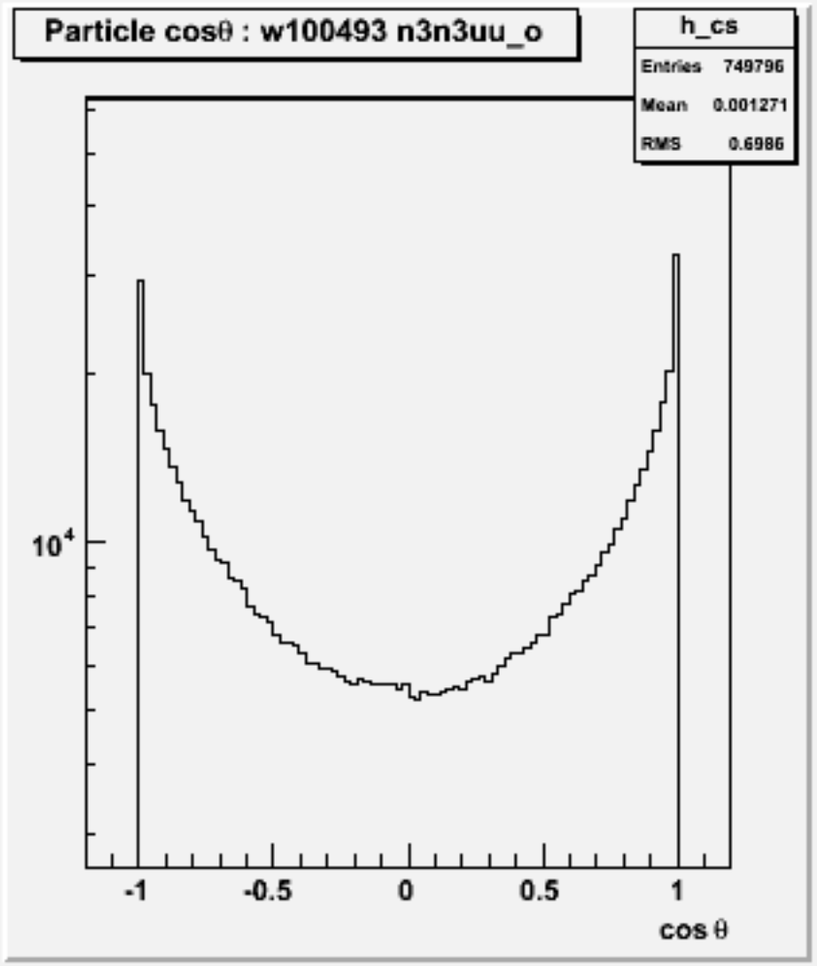

Jet cos θ (All jets)w100489 n2n2cc_o
ha_j0cs
Entries 45884
Mean 0.1043
RMS 0.747
cos θ

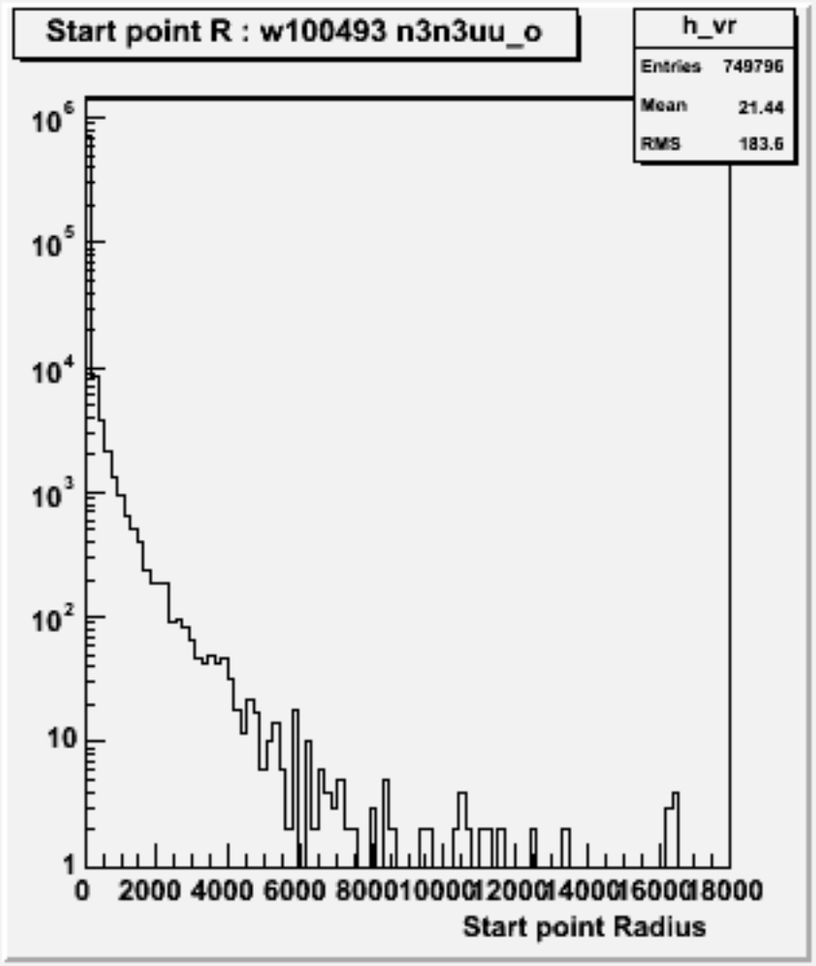

2jets mass(All comb)w100489 n2n2cc_o
ha_m01
Entries 68826
Mean 37.94
RMS 31.67
M(J_iJ_k) (GeV)

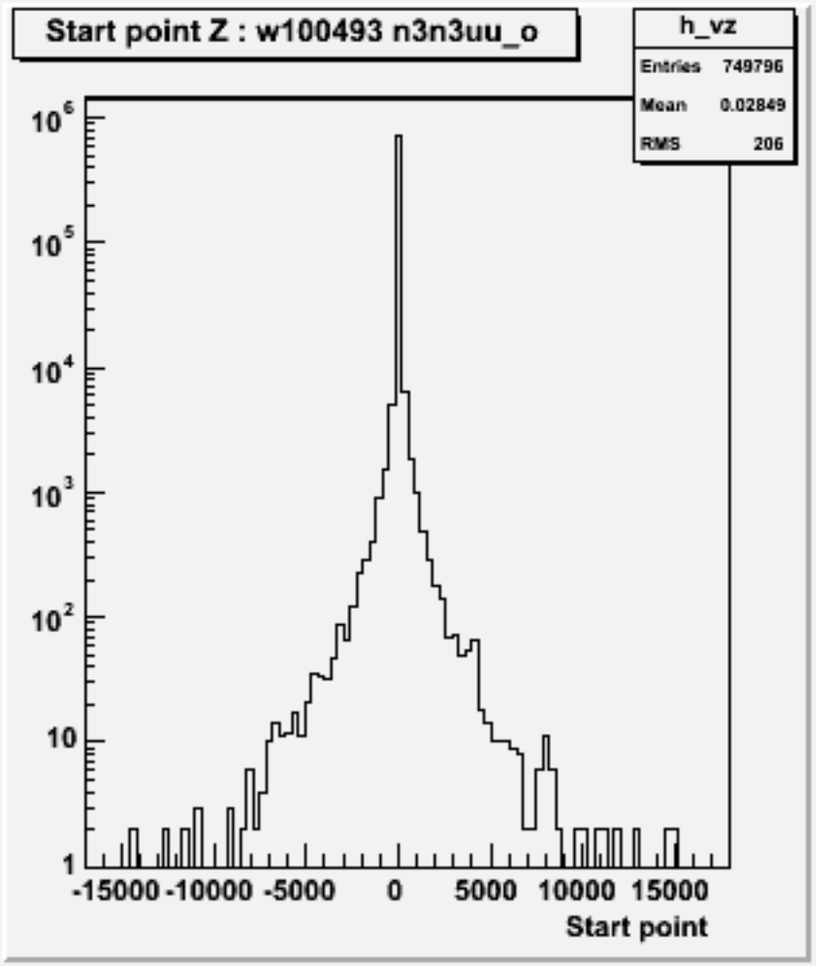

Particle ID : w100493 n3n3uu_o
h_id
Entries 749796
Mean 12.94
RMS 530
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

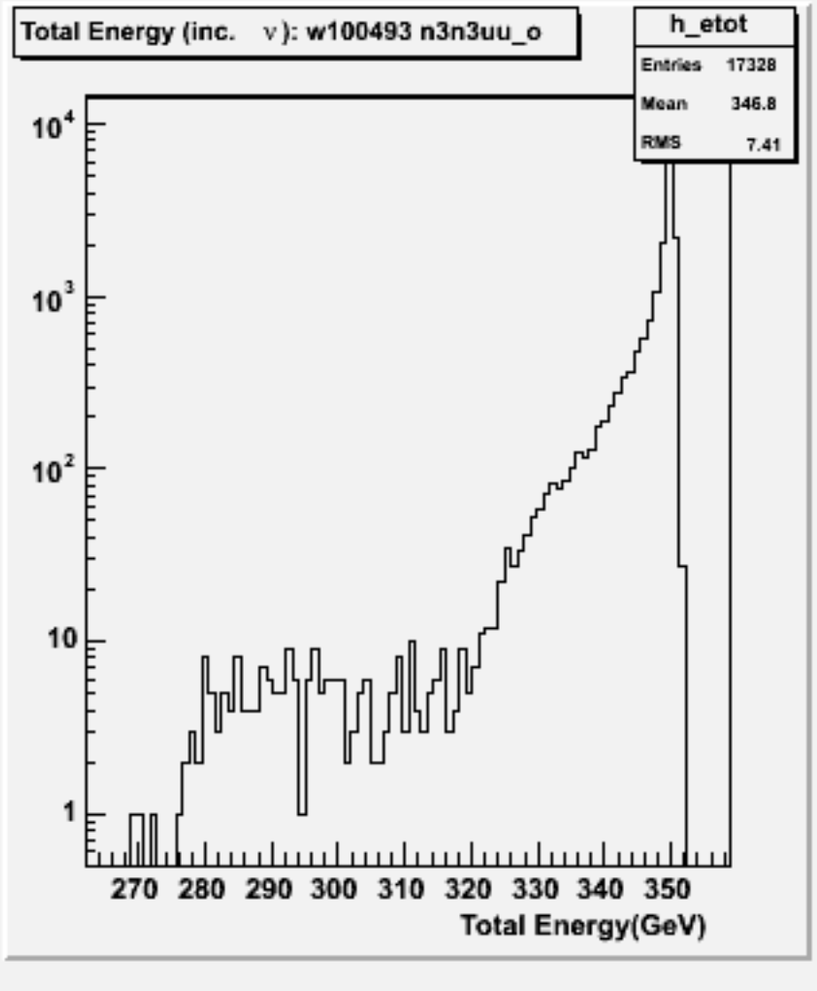

Particle Energy : w100493 n3n3uu_o
h_e
Entries 749796
Mean 8.016
RMS 21.12
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

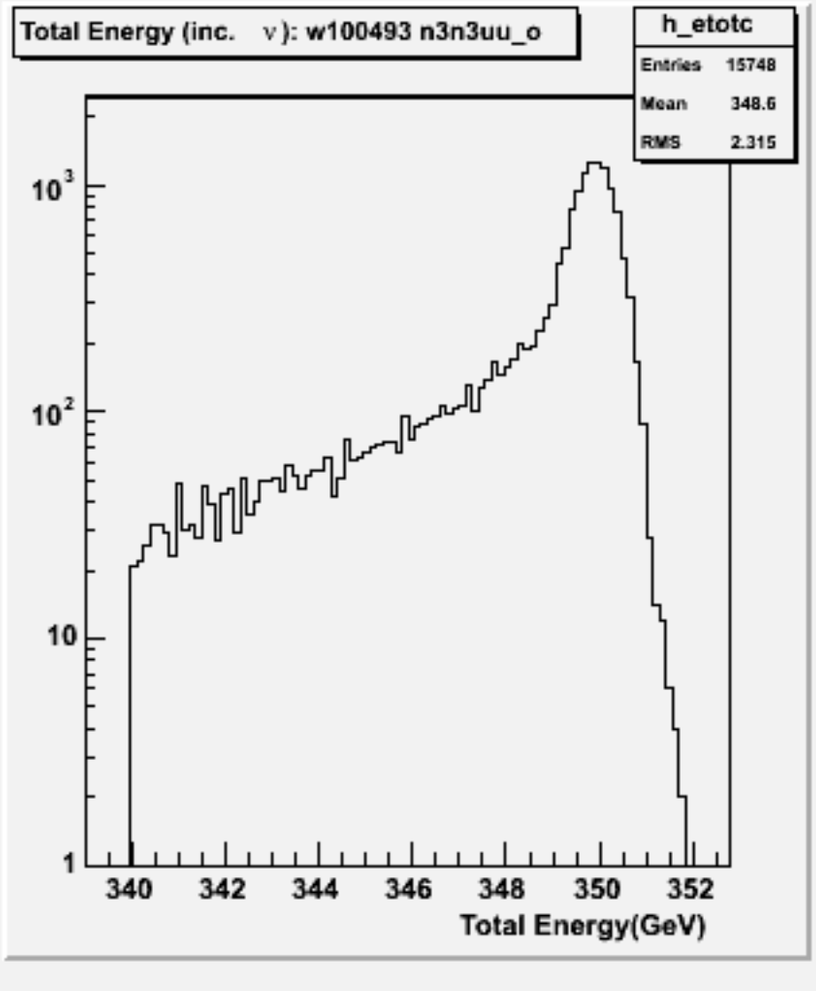

Particle Pt : w100493 n3n3uu_o
h_pt
Entries 749796
Mean 4.852
RMS 13.72
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

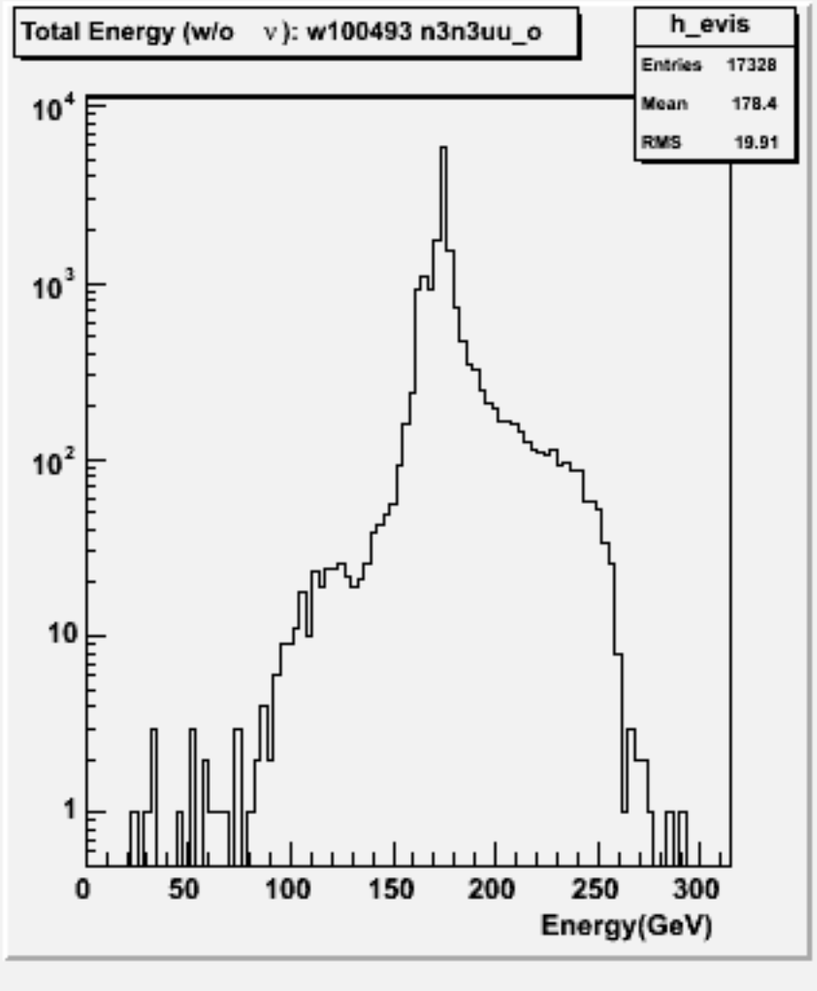

Particle cosθ : w100493 n3n3uu_o
h_cs
Entries 749796
Mean 0.001271
RMS 0.6986
10^4
-1
-0.5
0
0.5
1
cos θ

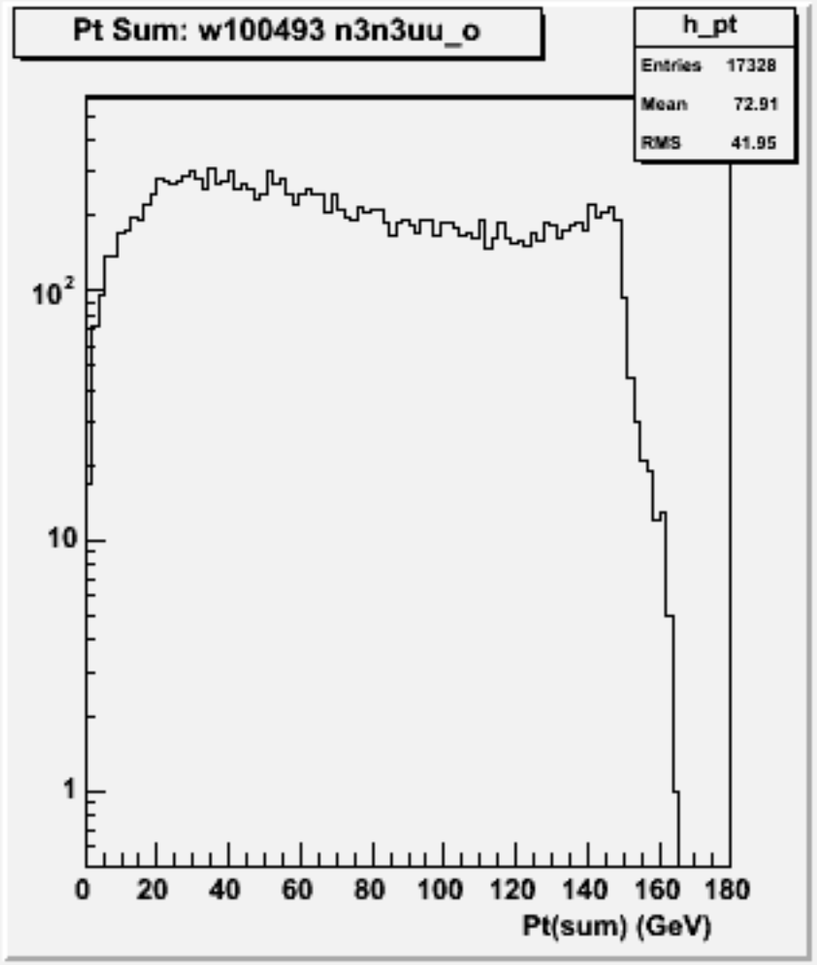

Start point R : w100493 n3n3uu_o
h_vr
Entries 749796
Mean 21.44
RMS 183.6
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
Start point Radius

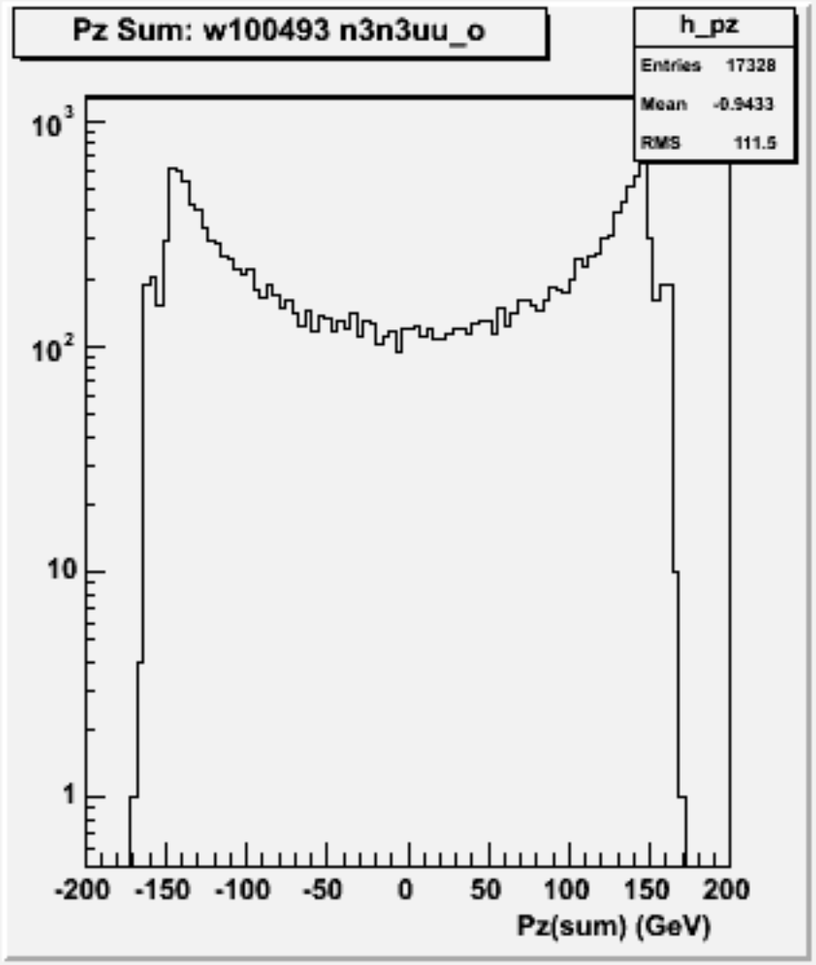

Start point Z : w100493 n3n3uu_o
h_vz
Entries 749796
Mean 0.02849
RMS 206
10^6
10^5
10^4
10^3
10^2
10
1
-15000
-10000
-5000
0
5000
10000
15000
Start point

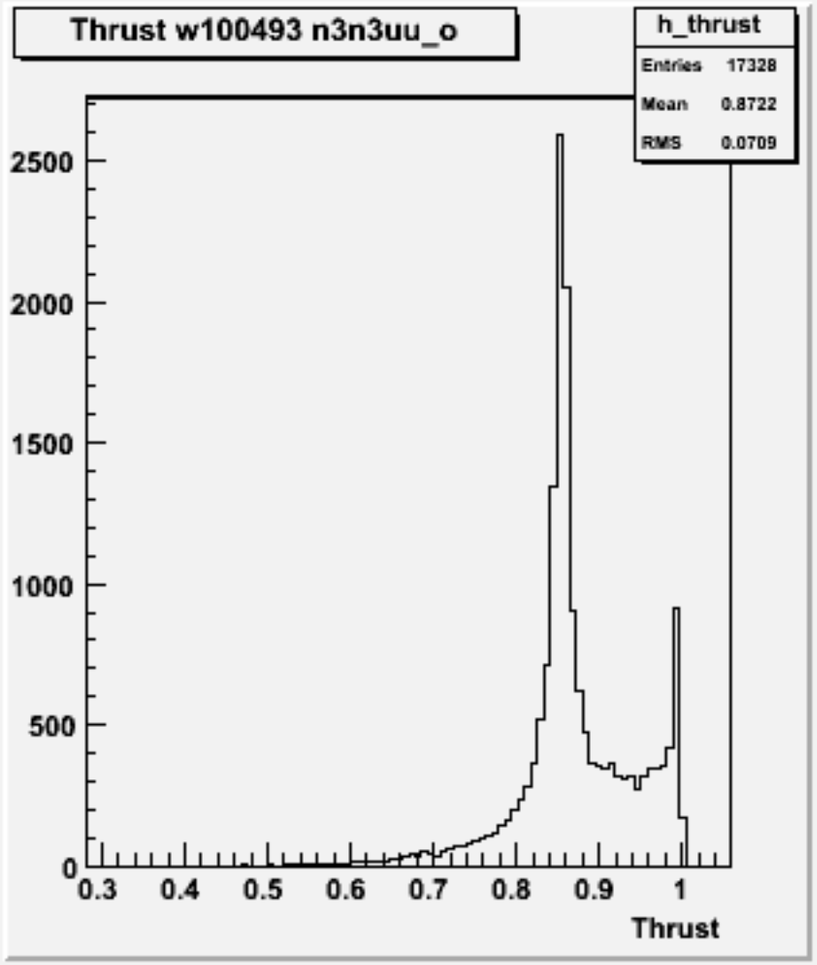

Total Energy (inc. ν): w100493 n3n3uu_o
h_etot
Entries 17328
Mean 346.8
RMS 7.41
Total Energy(GeV)

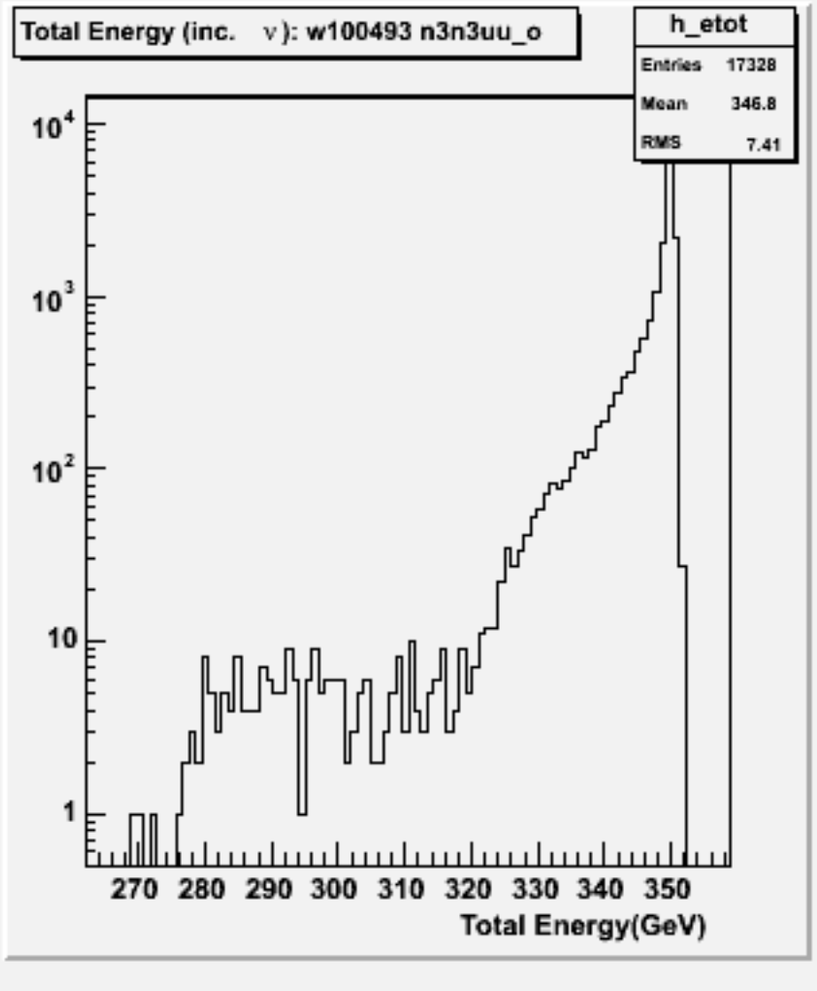

Total Energy (inc. ν): w100493 n3n3uu_o
h_etotc
Entries 15748
Mean 348.6
RMS 2.315
Total Energy(GeV)

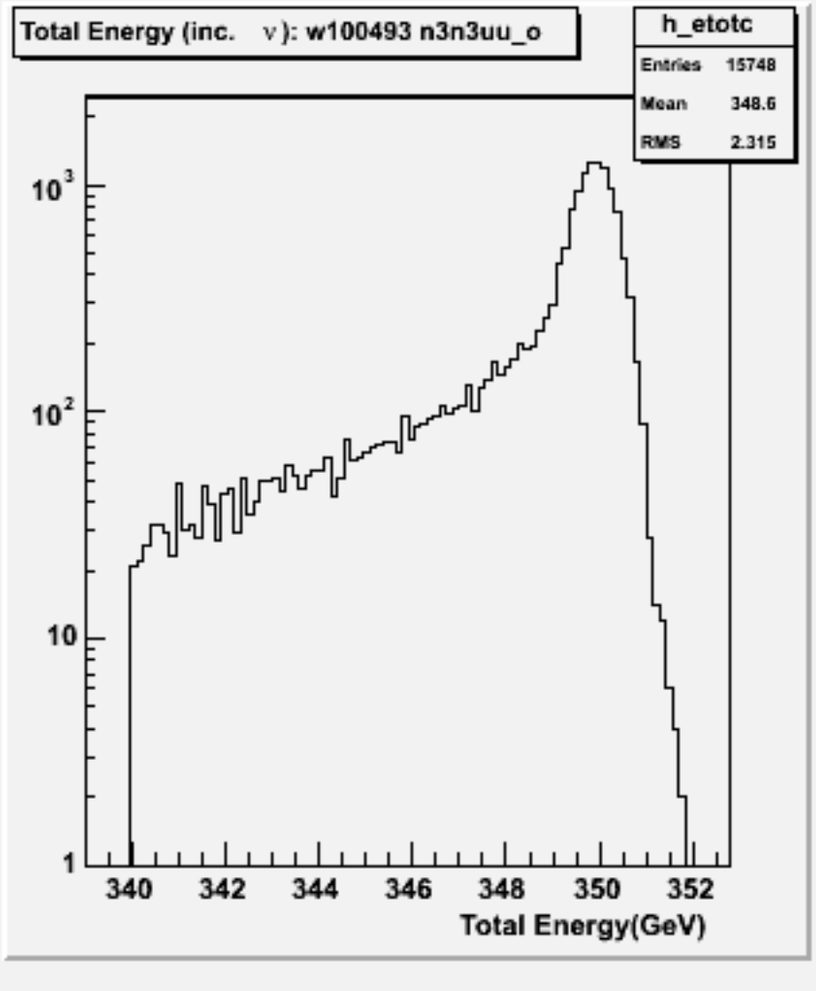

Total Energy (w/o ν): w100493 n3n3uu_o
h_evis
Entries 17328
Mean 178.4
RMS 19.91
Energy(GeV)

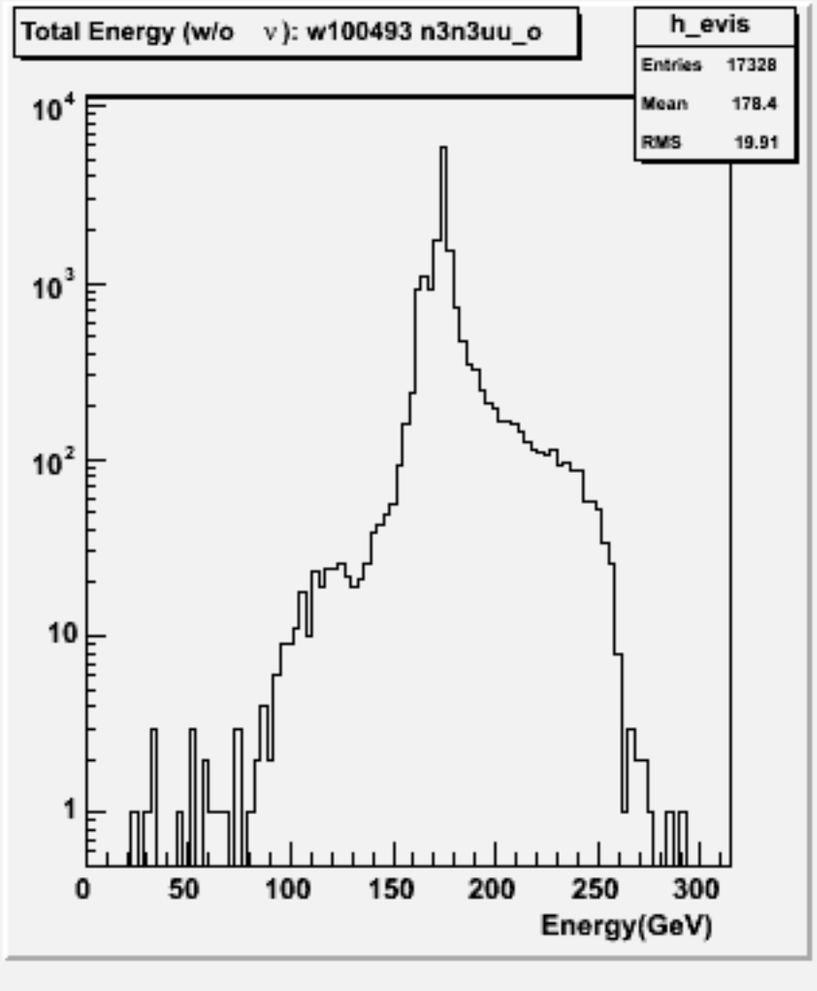

Pt Sum: w100493 n3n3uu_o
h_pt
Entries 17328
Mean 72.91
RMS 41.95
Pt(sum) (GeV)

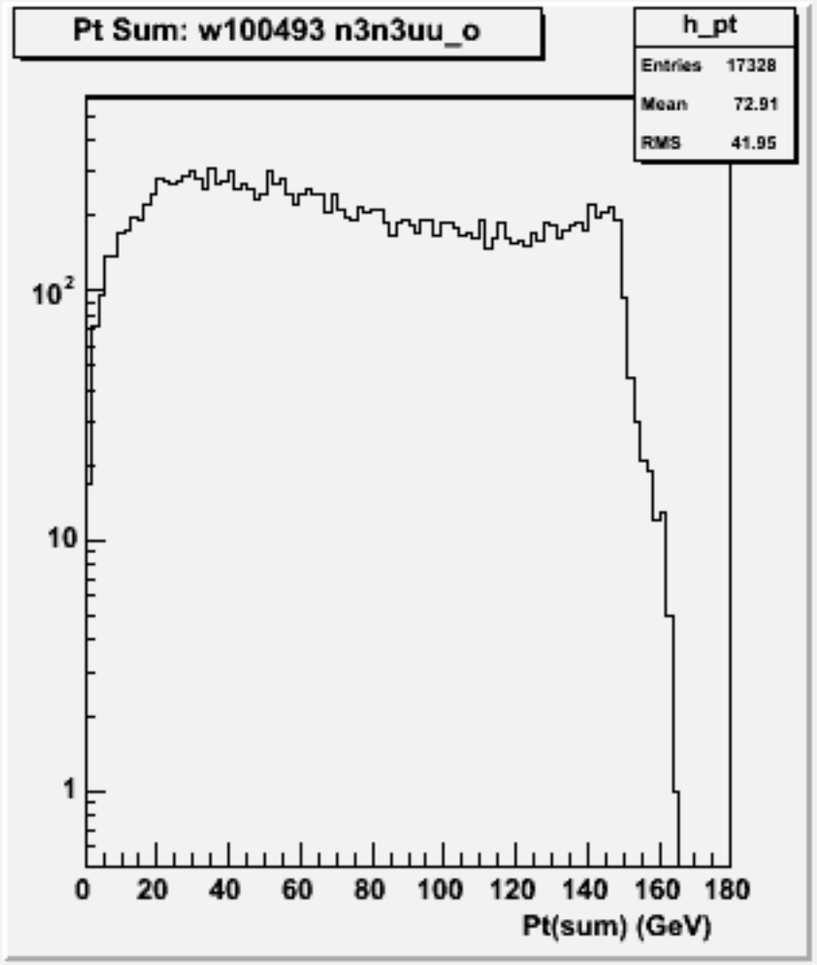

Pz Sum: w100493 n3n3uu_o
h_pz
Entries 17328
Mean -0.9433
RMS 111.5
Pz(sum) (GeV)

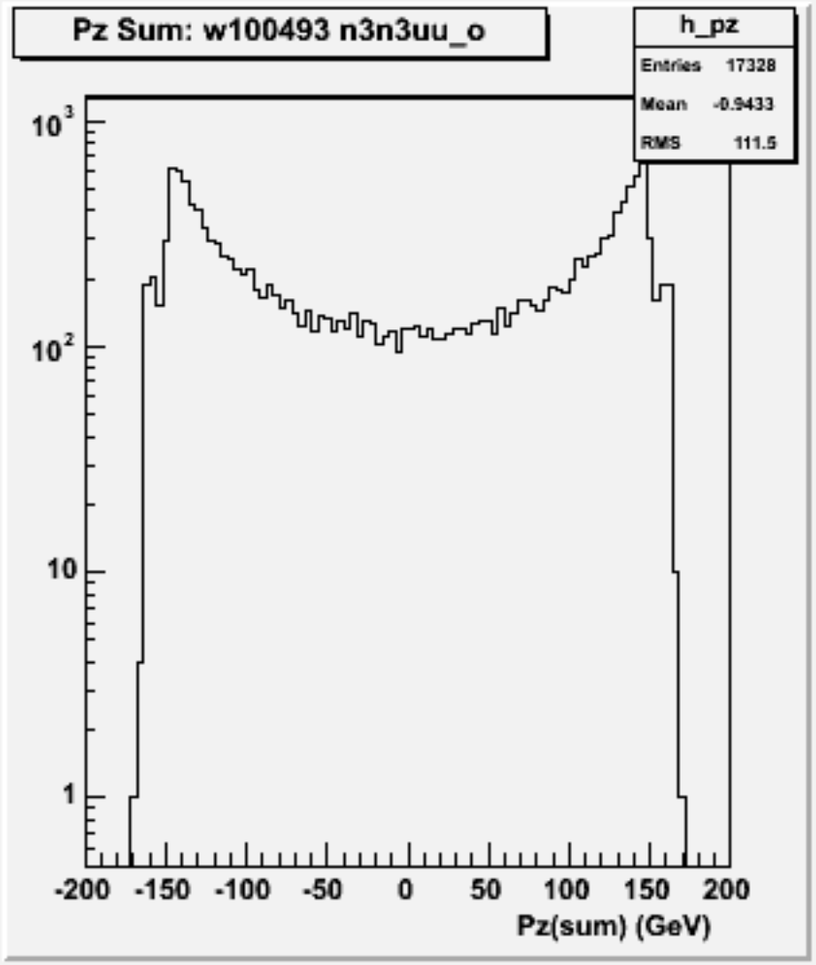

Thrust w100493 n3n3uu_o
h_thrust
Entries 17328
Mean 0.8722
RMS 0.0709
Thrust

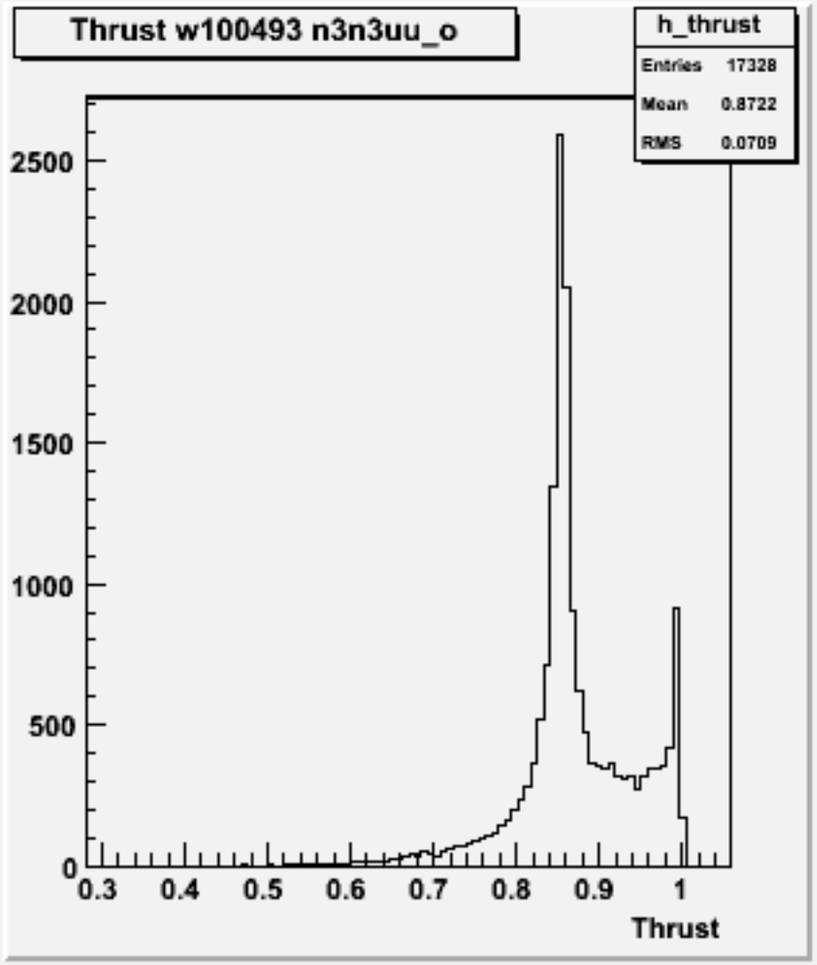

Total Energy (inc. ν): w100493 n3n3uu_o
h_etot
Entries 17328
Mean 346.8
RMS 7.41
Total Energy(GeV)

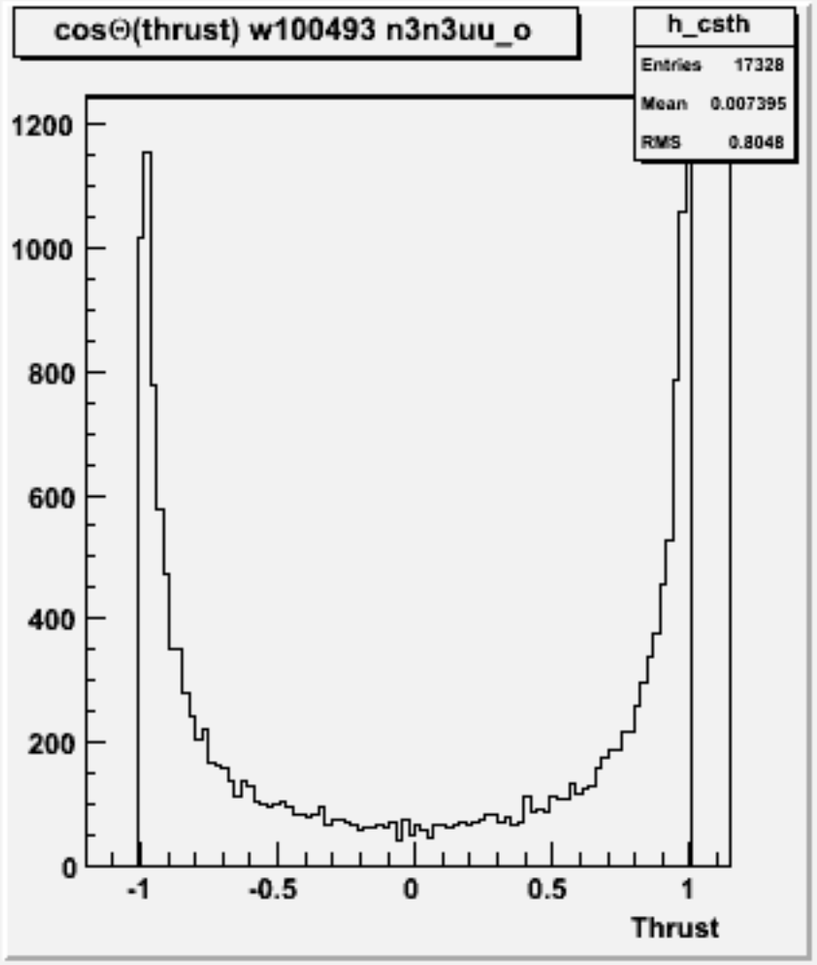

Total Energy (inc. ν): w100493 n3n3uu_o
h_etotc
Entries 15748
Mean 348.6
RMS 2.315
Total Energy(GeV)

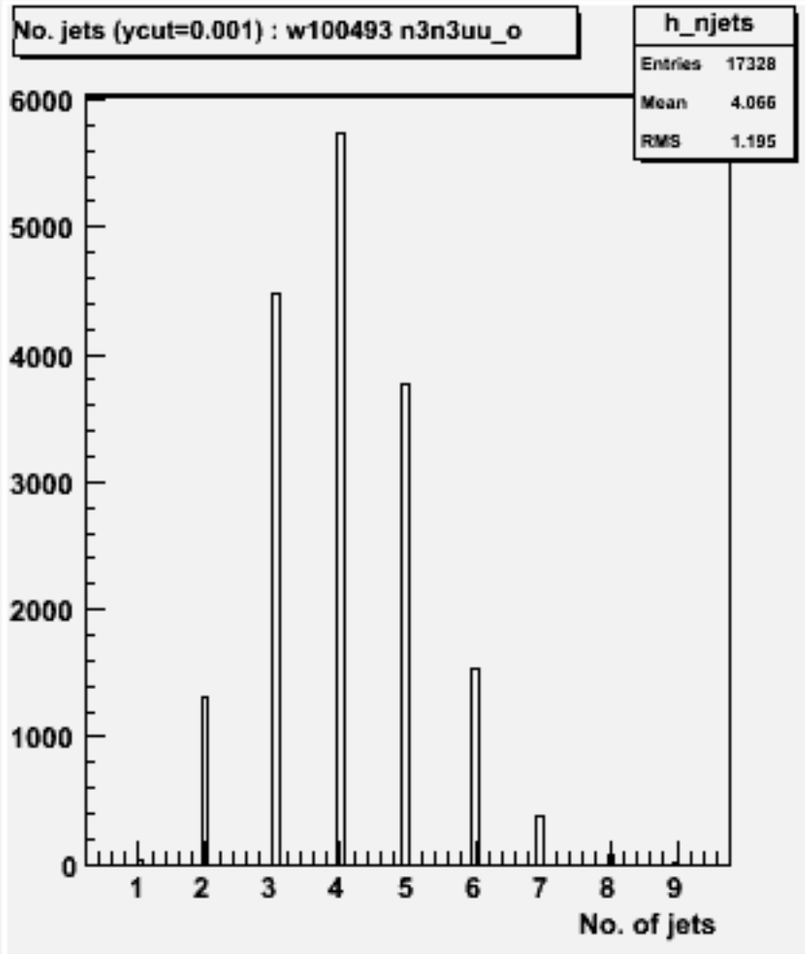

Total Energy (w/o ν): w100493 n3n3uu_o
h_evis
Entries 17328
Mean 178.4
RMS 19.91
Energy(GeV)

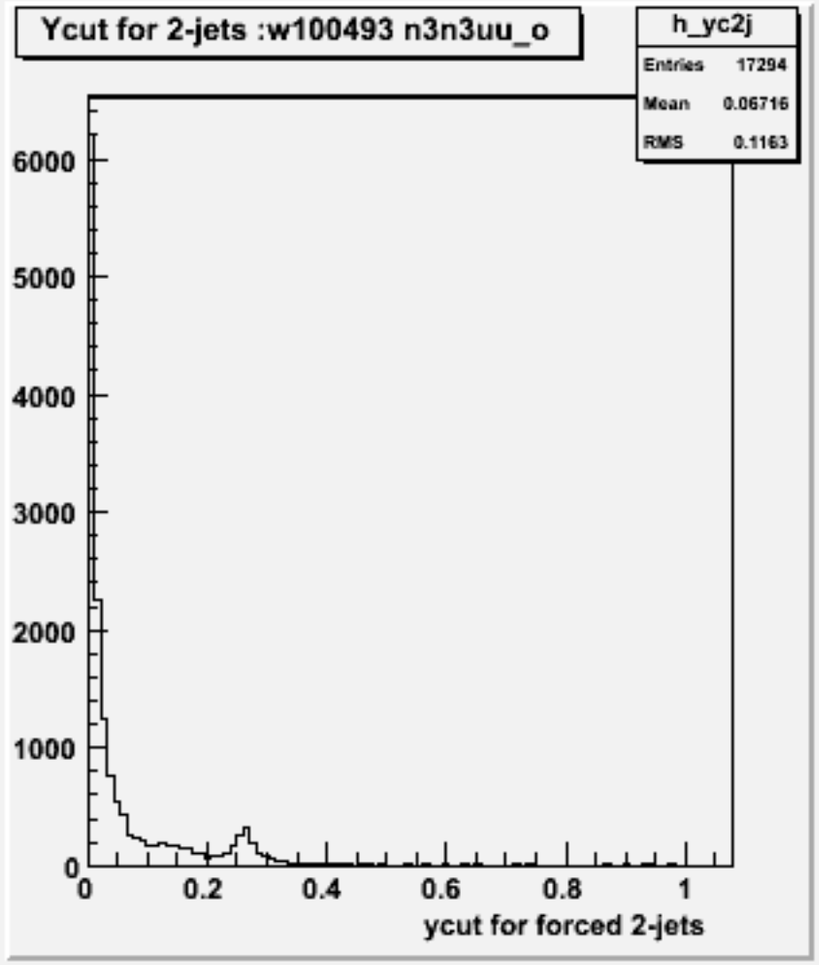

Pt Sum: w100493 n3n3uu_o
h_pt
Entries 17328
Mean 72.91
RMS 41.95
Pt(sum) (GeV)

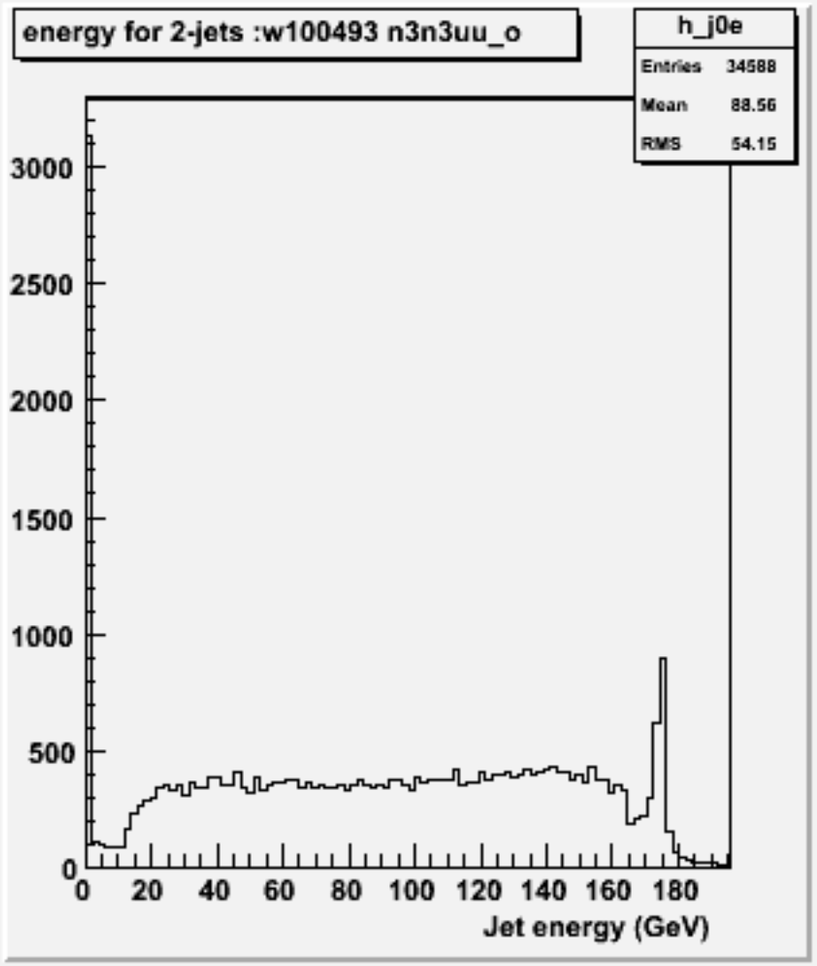

Pz Sum: w100493 n3n3uu_o
h_pz
Entries 17328
Mean -0.9433
RMS 111.5
Pz(sum) (GeV)

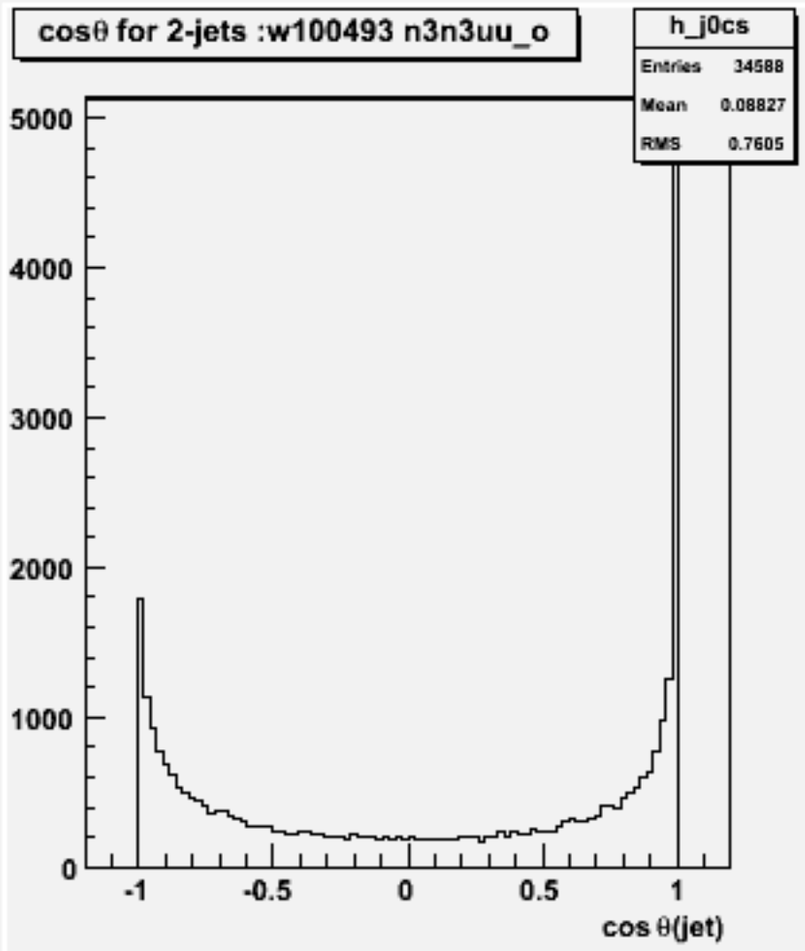

Thrust w100493 n3n3uu_o
h_thrust
Entries 17328
Mean 0.8722
RMS 0.0709
Thrust

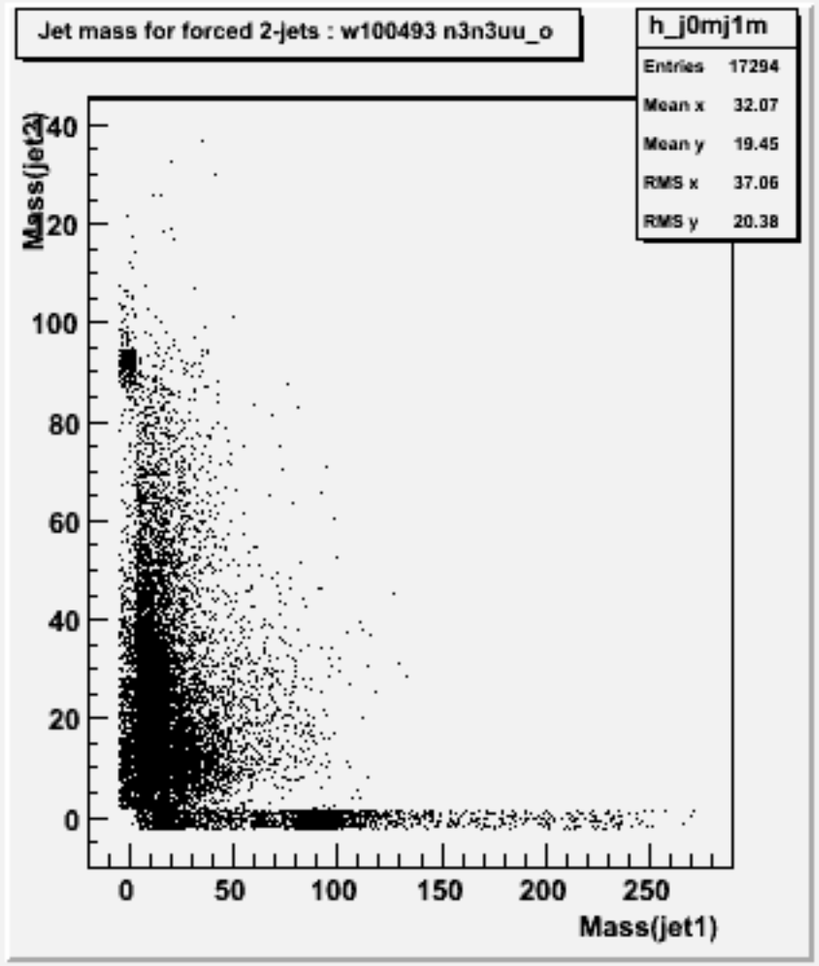

cosΘ(thrust) w100493 n3n3uu_o
h_csth
Entries 17328
Mean 0.007395
RMS 0.8048
Thrust

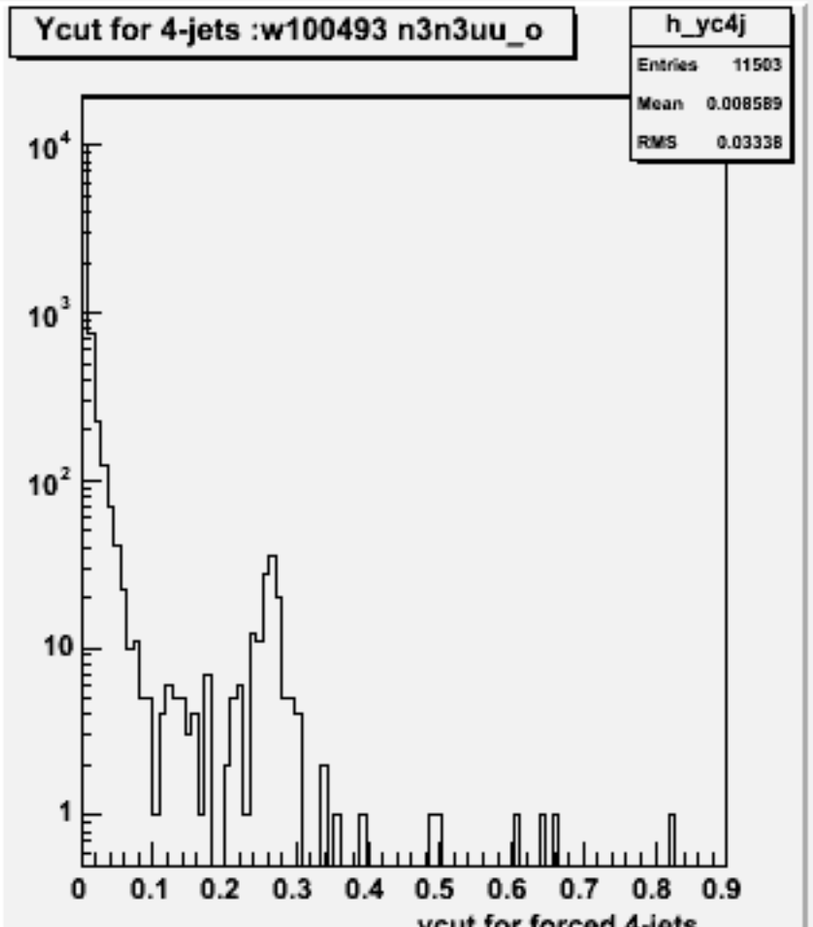

No. jets (ycut=0.001) : w100493 n3n3uu_o
h_njets
Entries 17328
Mean 4.066
RMS 1.195
No. of jets

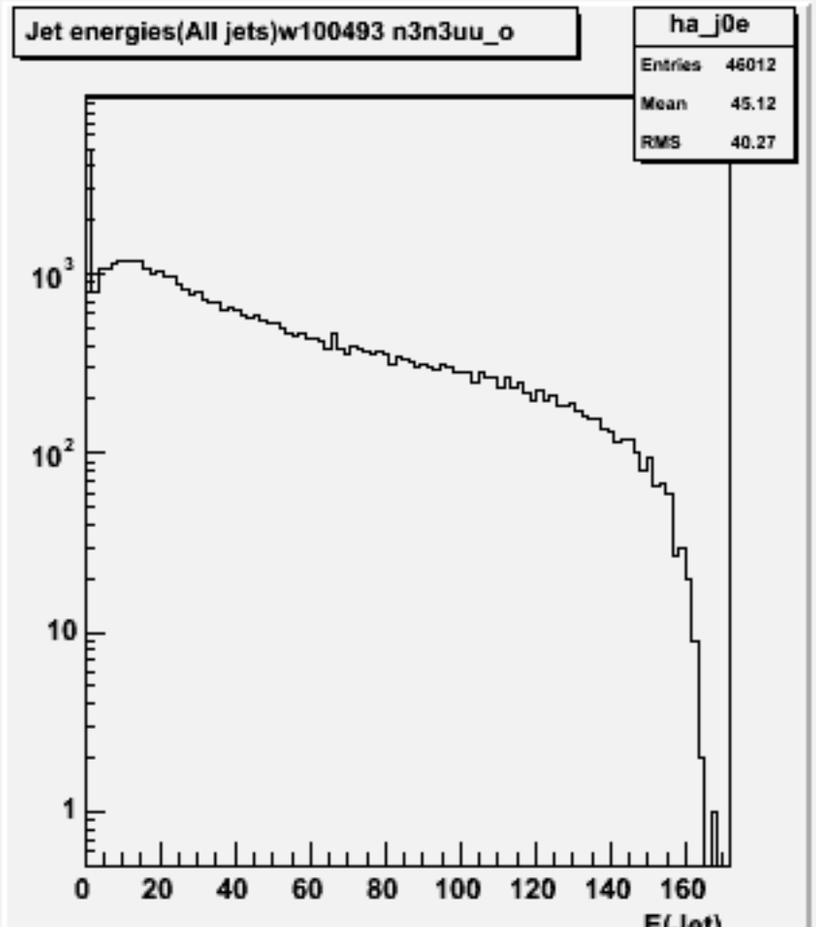

Ycut for 2-jets :w100493 n3n3uu_o
h_yc2j
Entries 17294
Mean 0.06716
RMS 0.1163
ycut for forced 2-jets

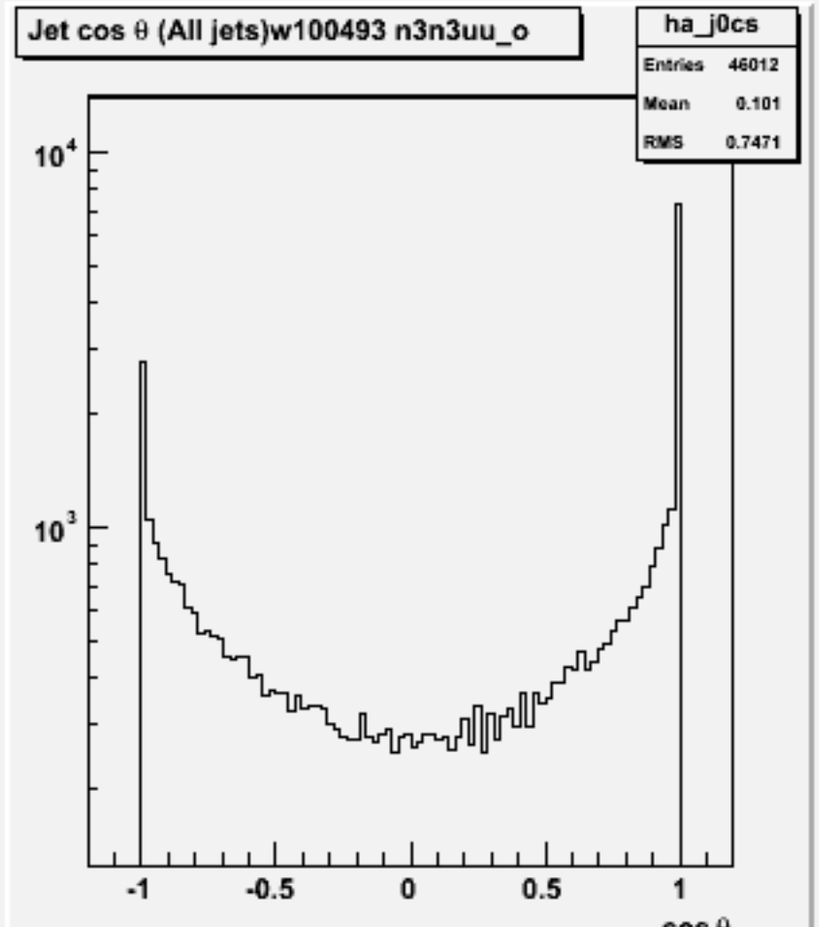

energy for 2-jets :w100493 n3n3uu_o
h_j0e
Entries 34588
Mean 88.56
RMS 54.15
Jet energy (GeV)

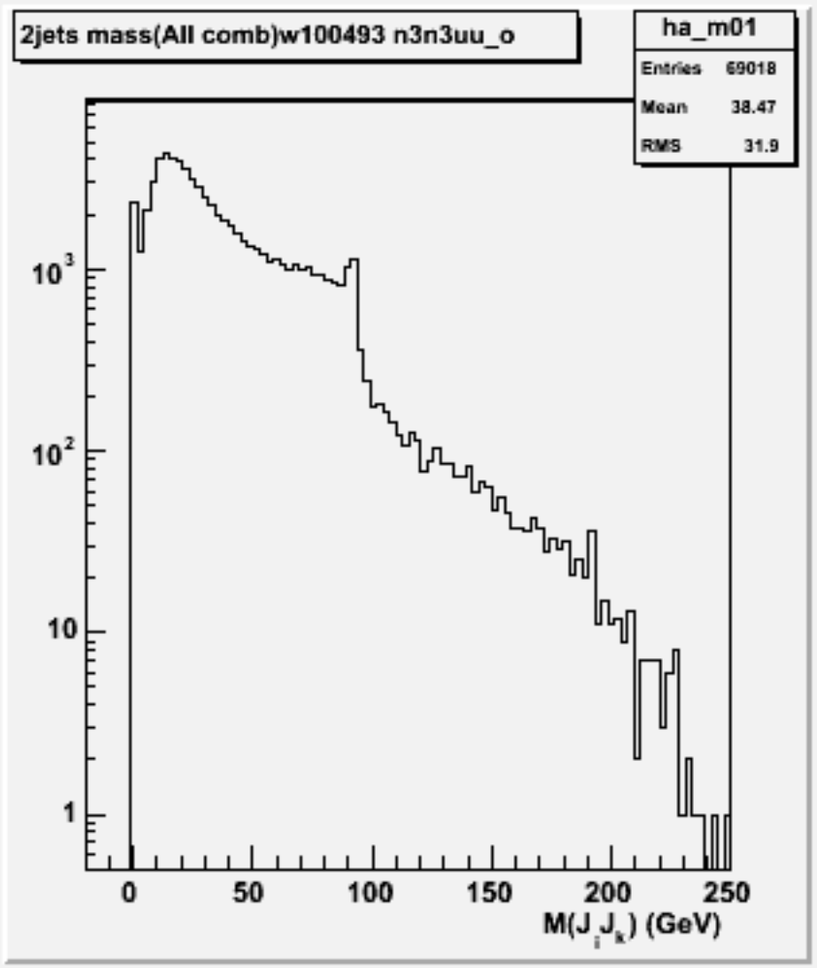

cosθ for 2-jets :w100493 n3n3uu_o
h_j0cs
Entries 34588
Mean 0.08827
RMS 0.7605
cos θ(jet)

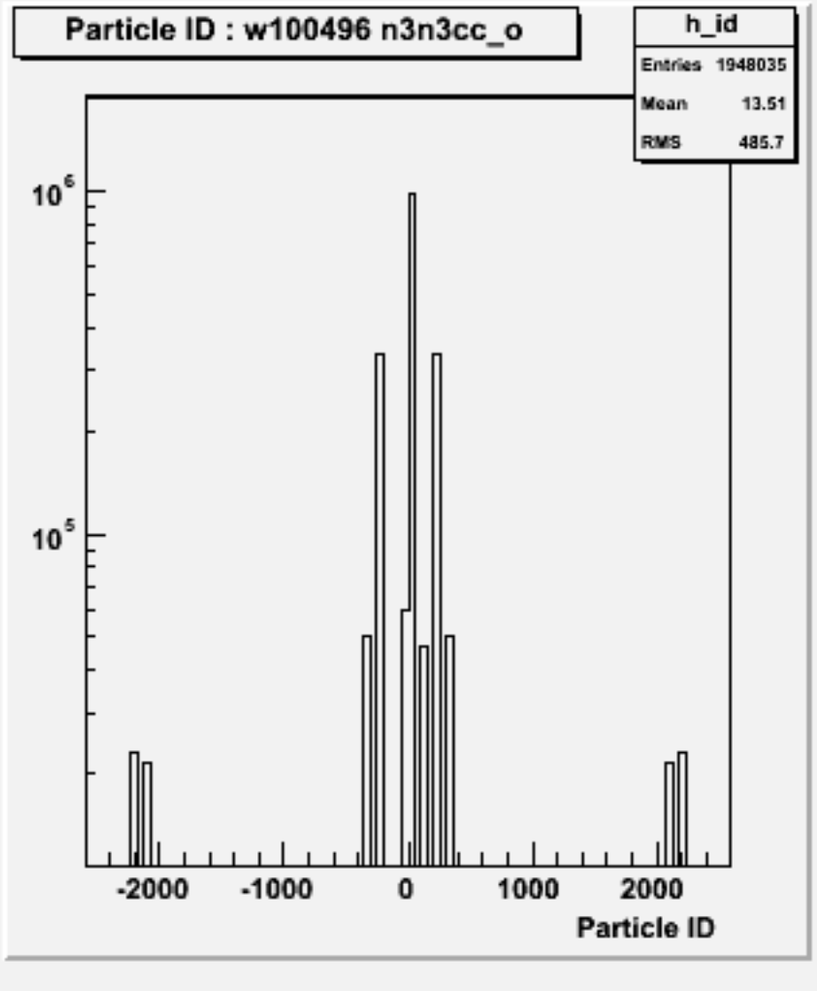

Jet mass for forced 2-jets : w100493 n3n3uu_o
h_j0mj1m
Entries 17294
Mean x 32.07
Mean y 19.45
RMS x 37.06
RMS y 20.38
Mass(jet2)
Mass(jet1)

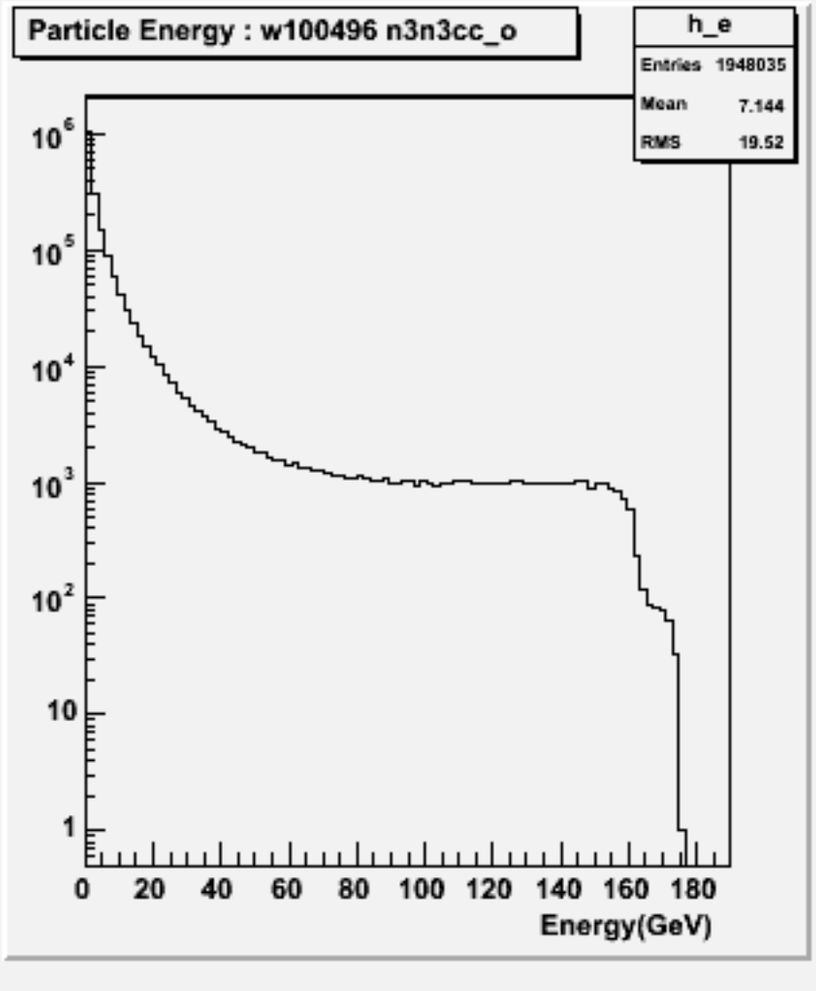

Ycut for 4-jets :w100493 n3n3uu_o
h_yc4j
Entries 11503
Mean 0.008589
RMS 0.03338
ycut for forced 4-jets

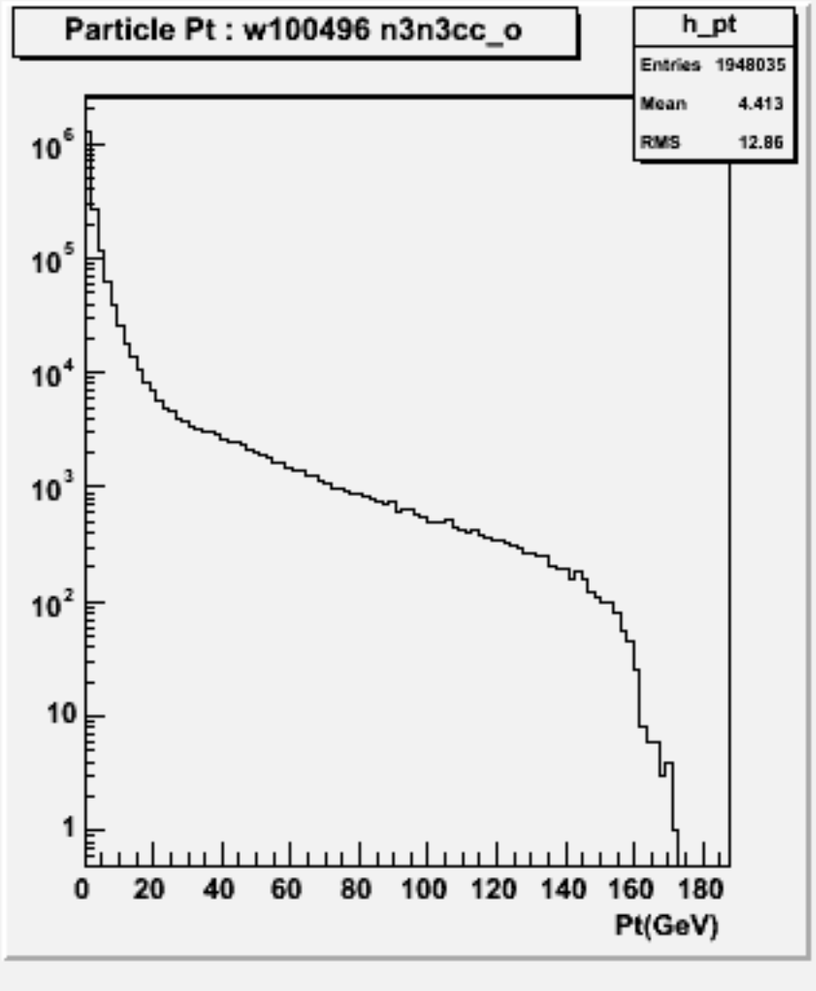

Jet energies(All jets)w100493 n3n3uu_o
ha_j0e
Entries 46012
Mean 45.12
RMS 40.27
E(Jet)

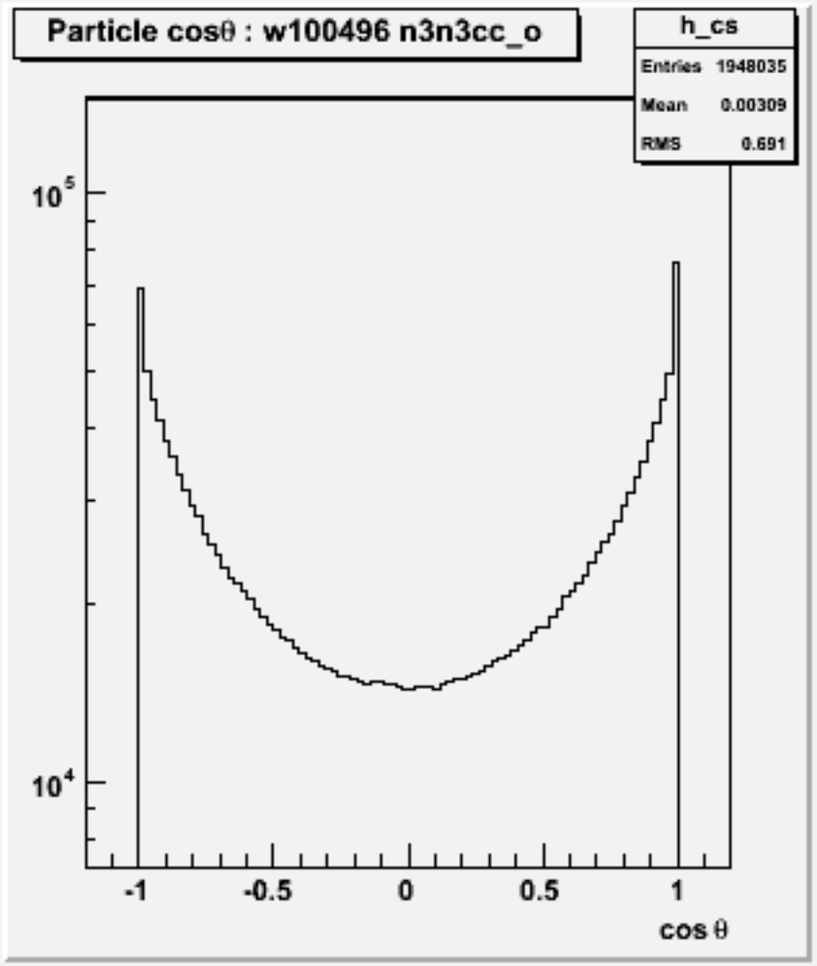

Jet cos θ (All jets)w100493 n3n3uu_o
ha_j0cs
Entries 46012
Mean 0.101
RMS 0.7471
cos θ

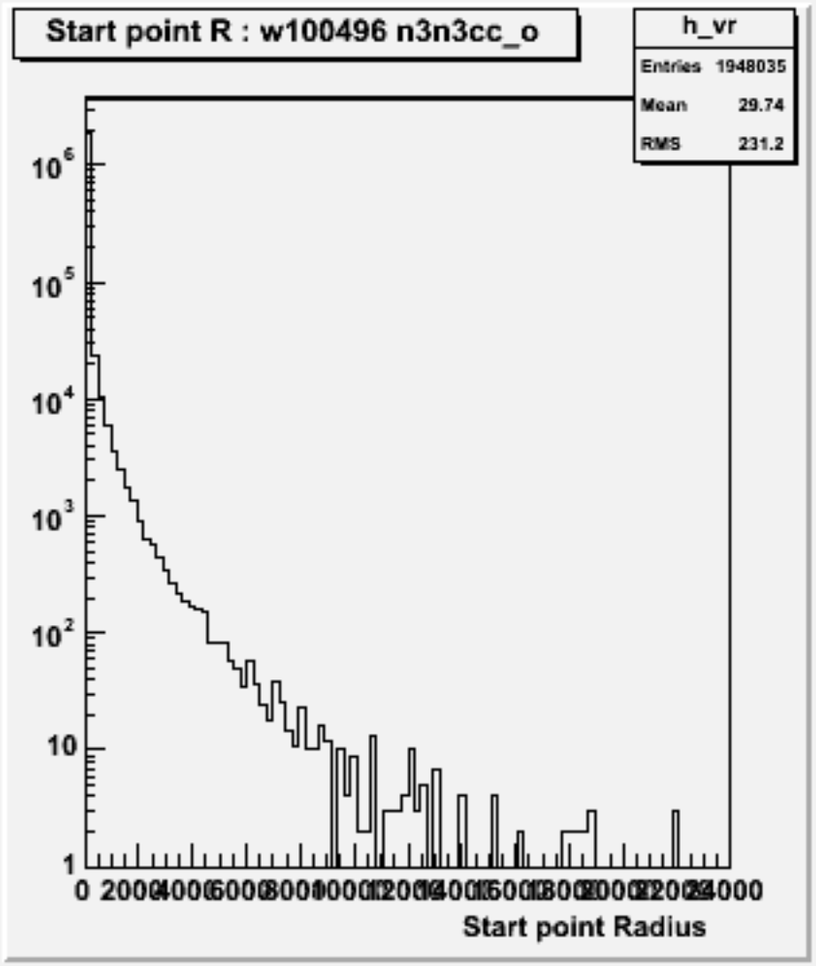

2jets mass(All comb)w100493 n3n3uu_o
ha_m01
Entries 69018
Mean 38.47
RMS 31.9
M(J_iJ_k) (GeV)

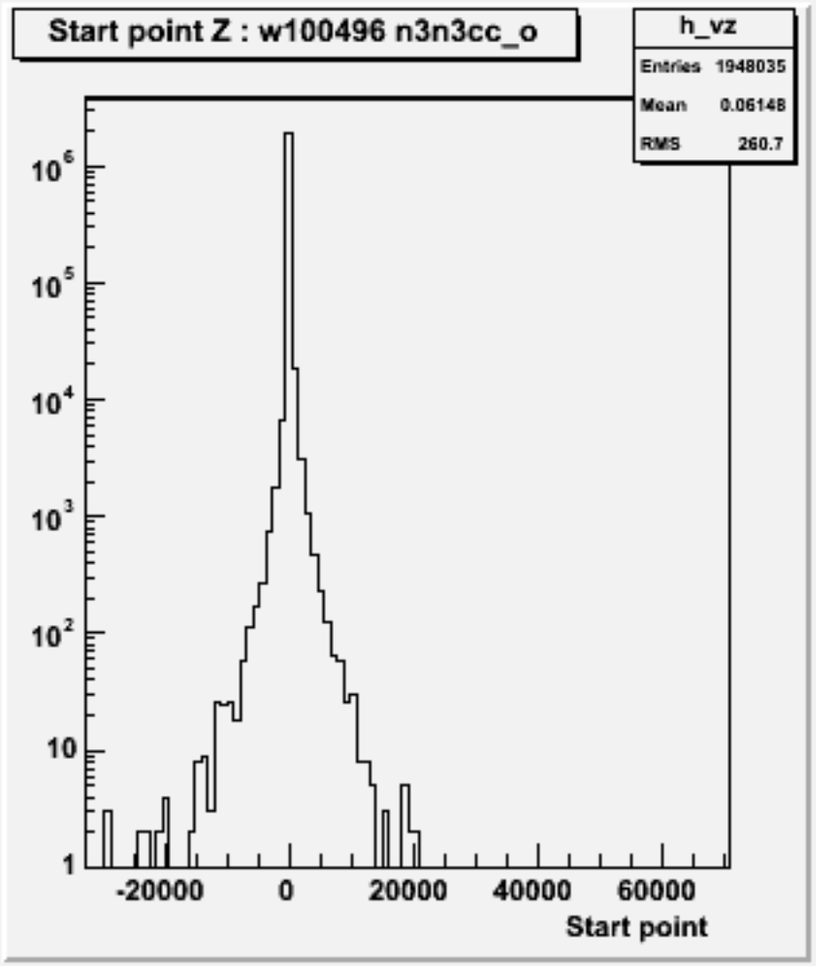

Particle ID : w100496 n3n3cc_o
h_id
Entries 1948035
Mean 13.51
RMS 485.7
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

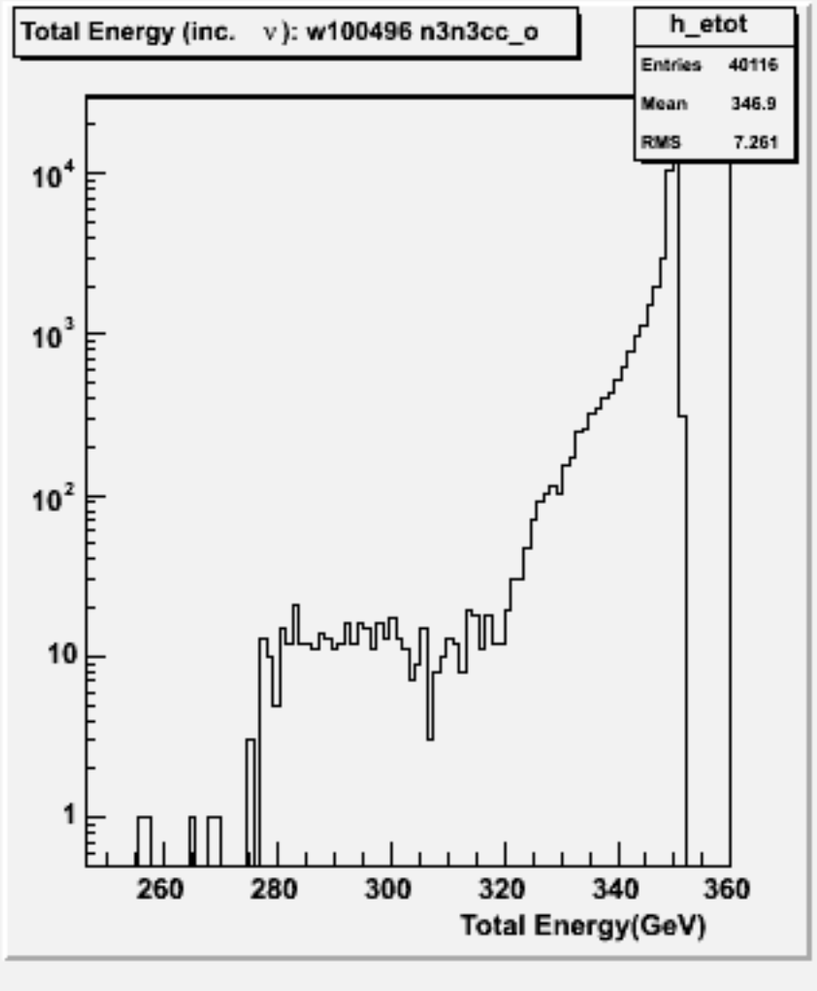

Particle Energy : w100496 n3n3cc_o
h_e
Entries 1948035
Mean 7.144
RMS 19.52
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

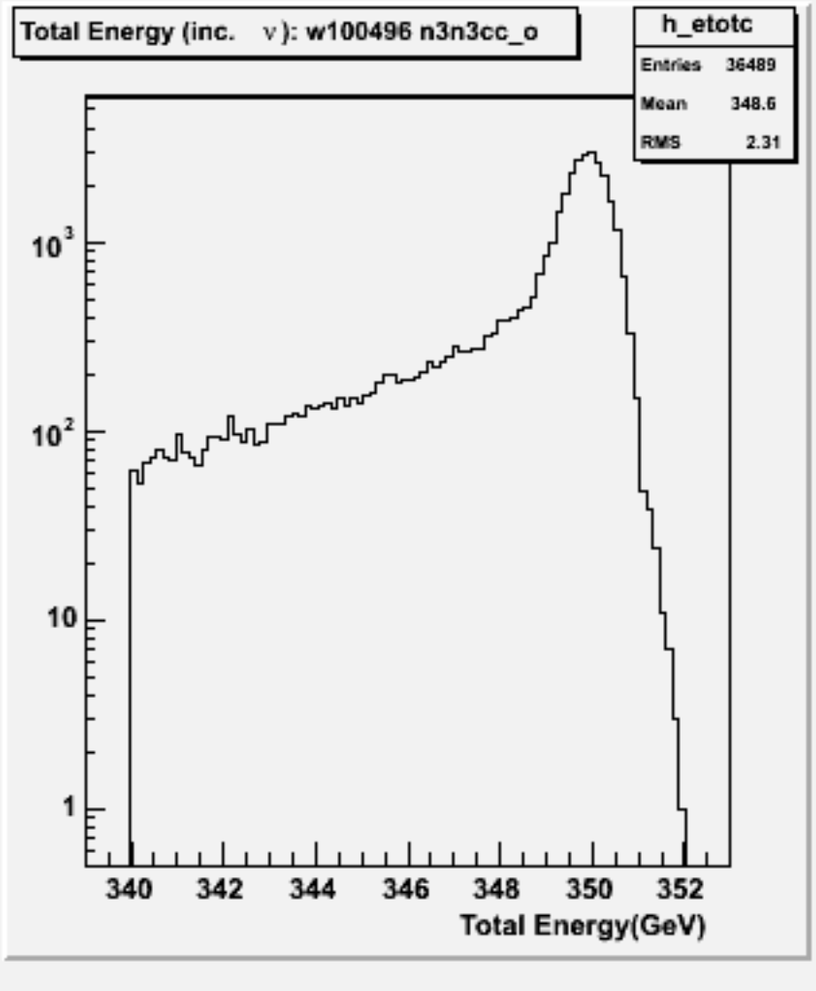

Particle Pt : w100496 n3n3cc_o
h_pt
Entries 1948035
Mean 4.413
RMS 12.86
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

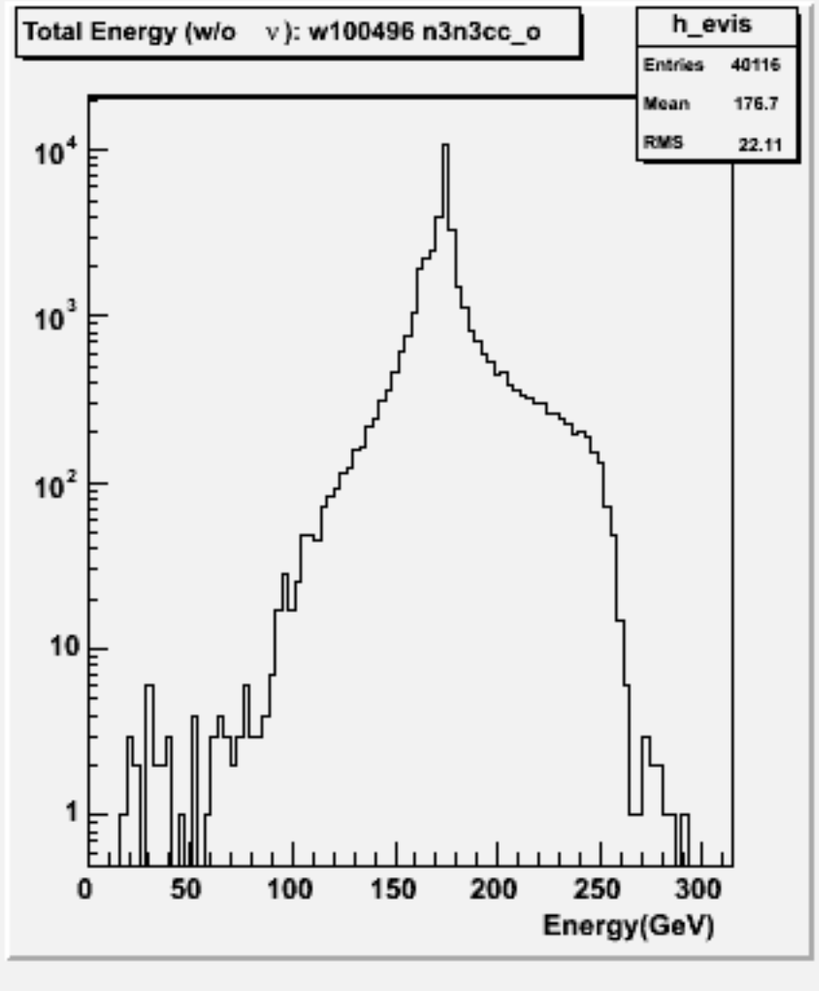

Particle cosθ : w100496 n3n3cc_o
h_cs
Entries 1948035
Mean 0.00309
RMS 0.691
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

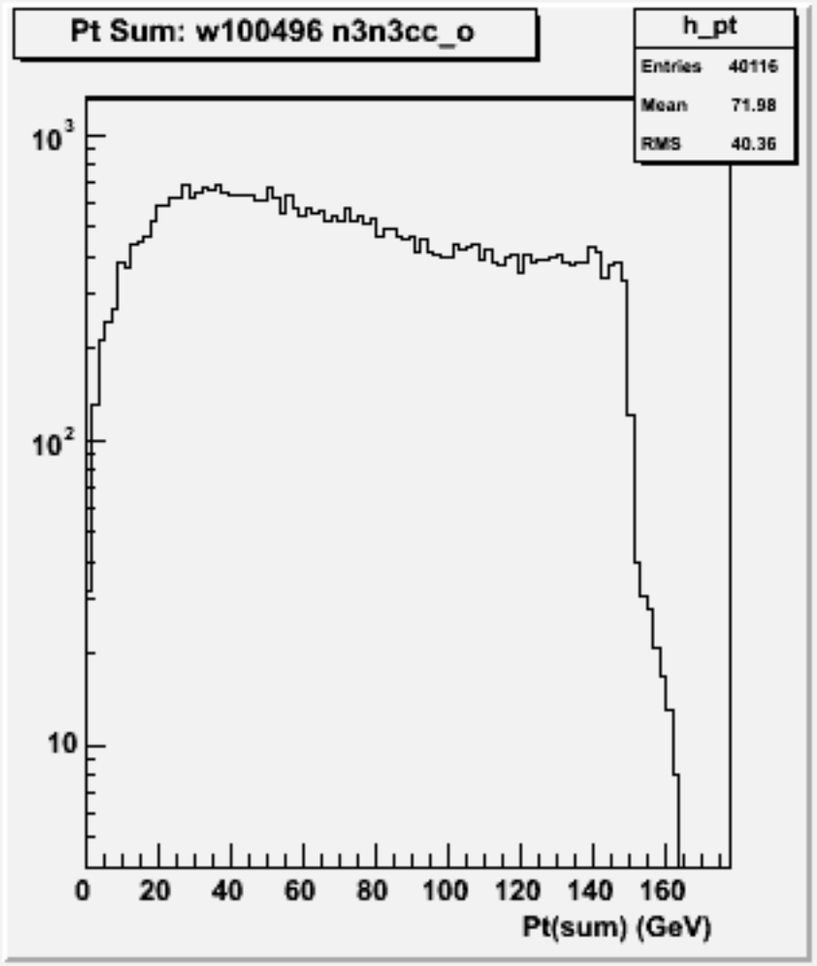

Start point R : w100496 n3n3cc_o
h_vr
Entries 1948035
Mean 29.74
RMS 231.2
10^6
10^5
10^4
10^3
10^2
10
1
0
Start point Radius

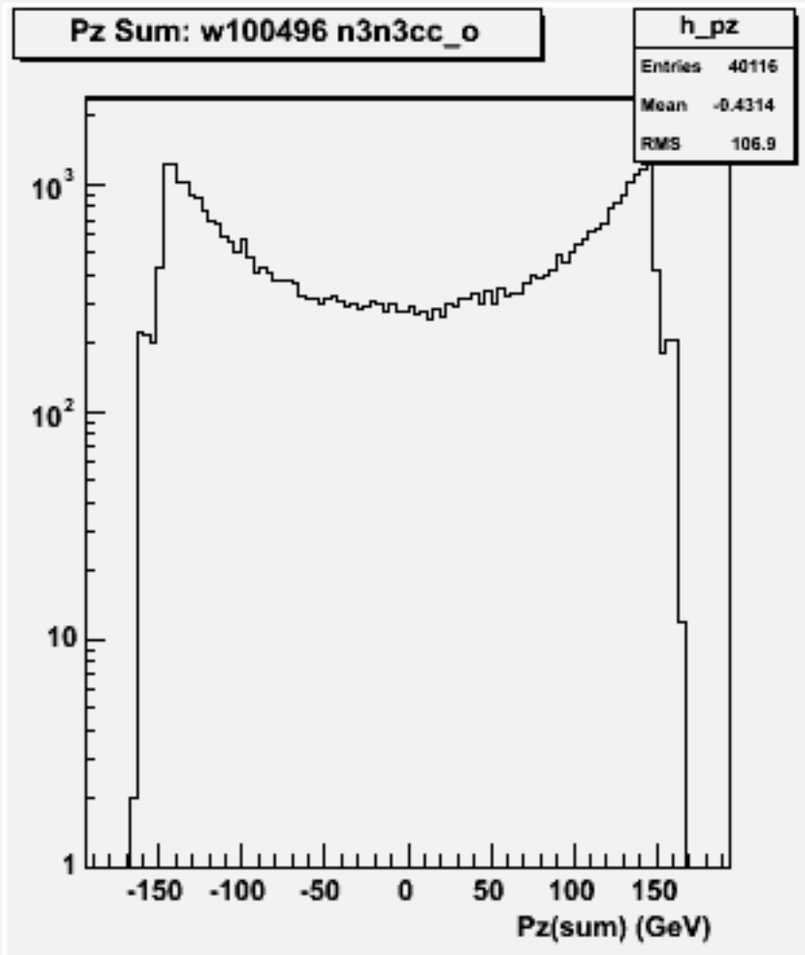

Start point Z : w100496 n3n3cc_o
h_vz
Entries 1948035
Mean 0.06148
RMS 260.7
10^6
10^5
10^4
10^3
10^2
10
1
-20000
0
20000
40000
60000
Start point

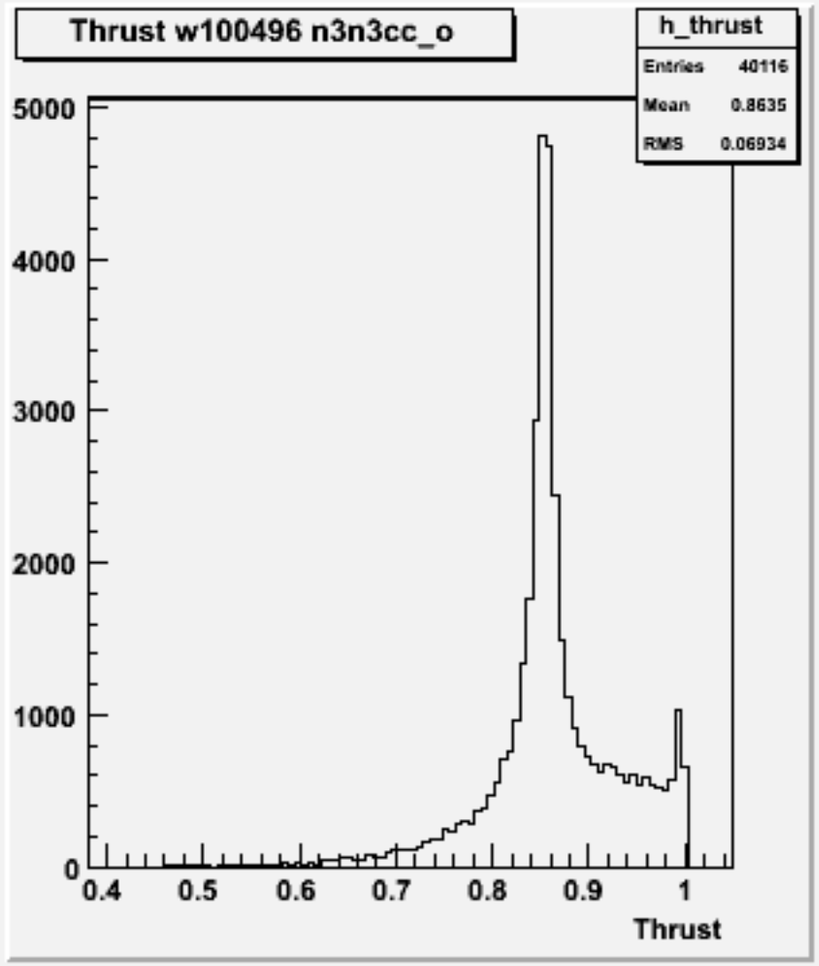

Total Energy (inc. ν): w100496 n3n3cc_o
h_etot
Entries 40116
Mean 346.9
RMS 7.261
Total Energy(GeV)

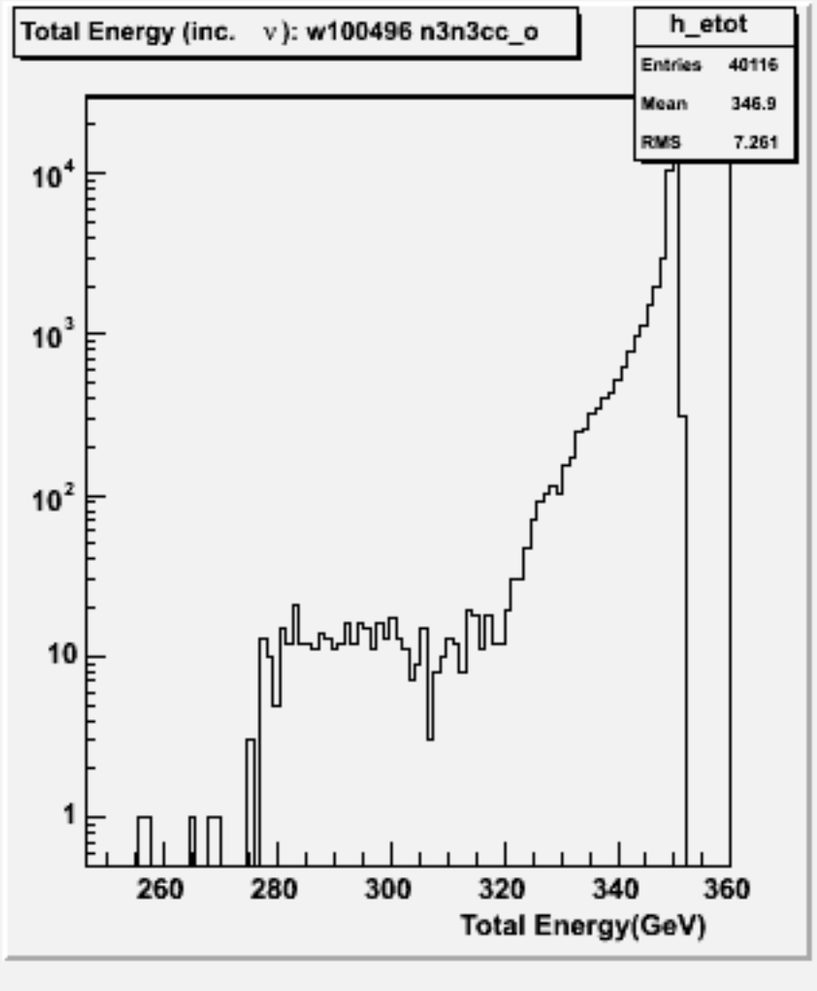

Total Energy (inc. ν): w100496 n3n3cc_o
h_etotc
Entries 36489
Mean 348.6
RMS 2.31
Total Energy(GeV)

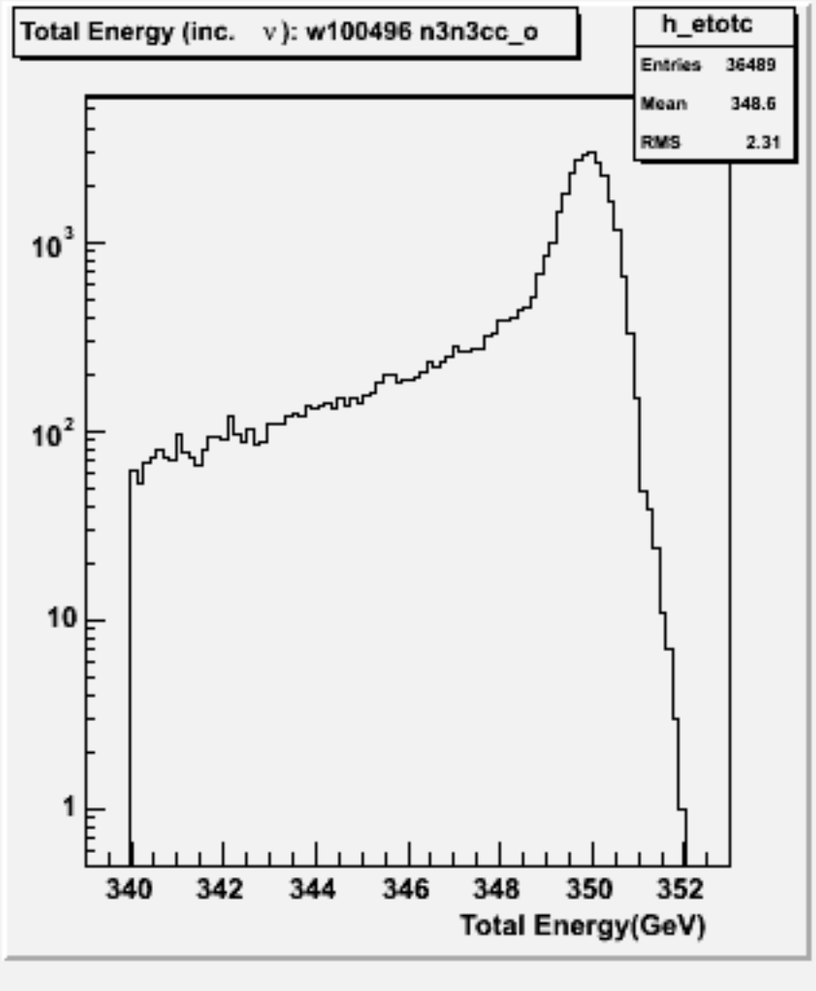

Total Energy (w/o ν): w100496 n3n3cc_o
h_evis
Entries 40116
Mean 176.7
RMS 22.11
Energy(GeV)

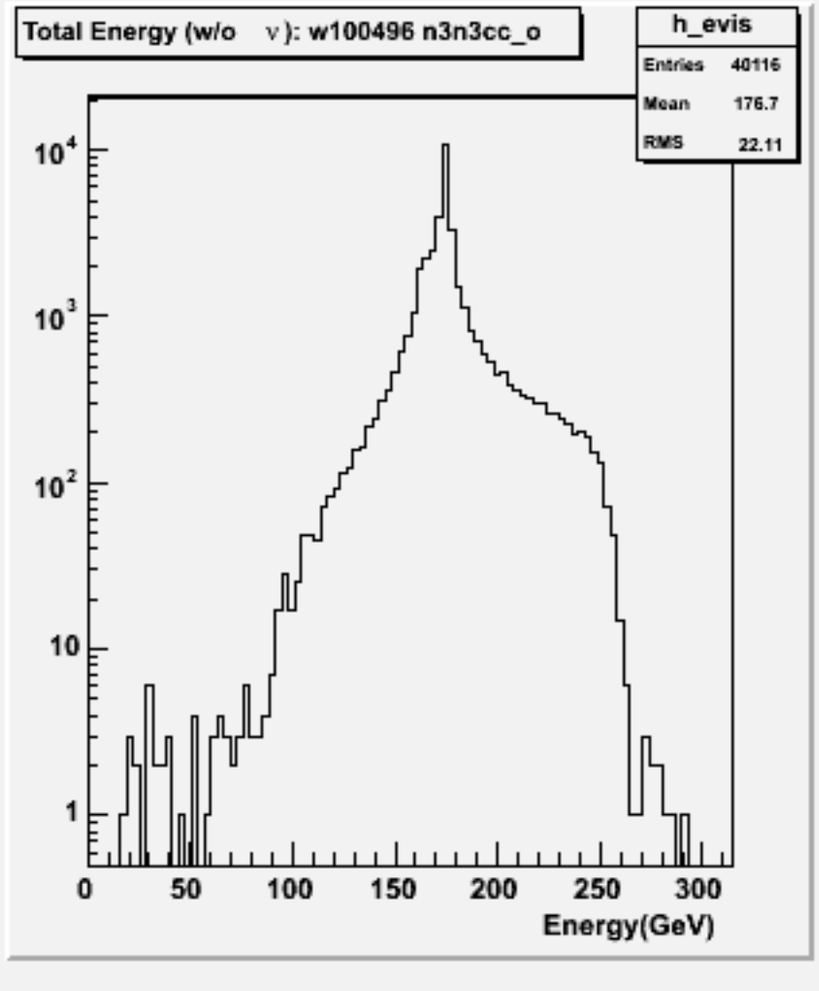

Pt Sum: w100496 n3n3cc_o
h_pt
Entries 40116
Mean 71.98
RMS 40.36
Pt(sum) (GeV)

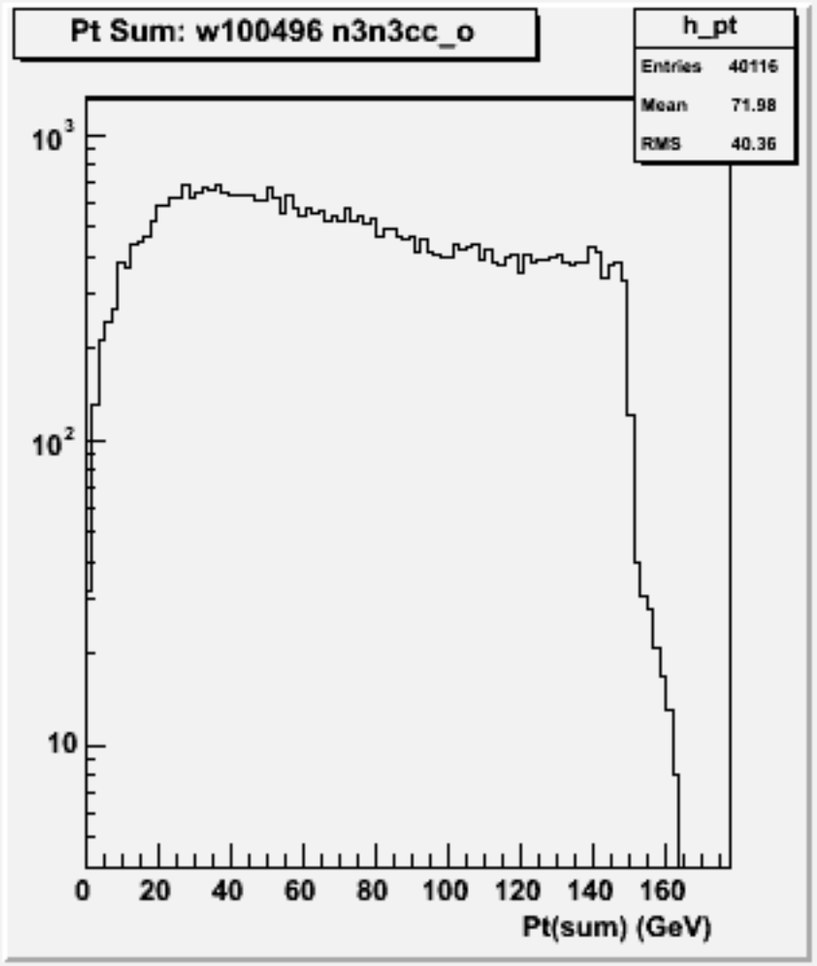

Pz Sum: w100496 n3n3cc_o
h_pz
Entries 40116
Mean -0.4314
RMS 106.9
Pz(sum) (GeV)

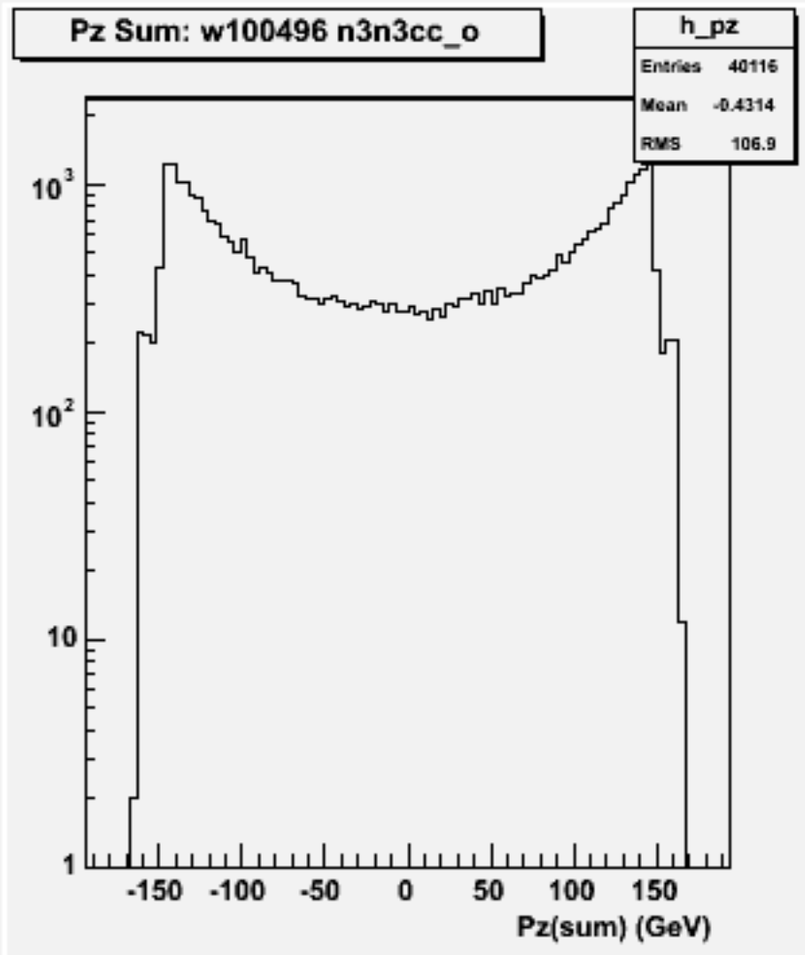

Thrust w100496 n3n3cc_o
h_thrust
Entries 40116
Mean 0.8635
RMS 0.06934
Thrust

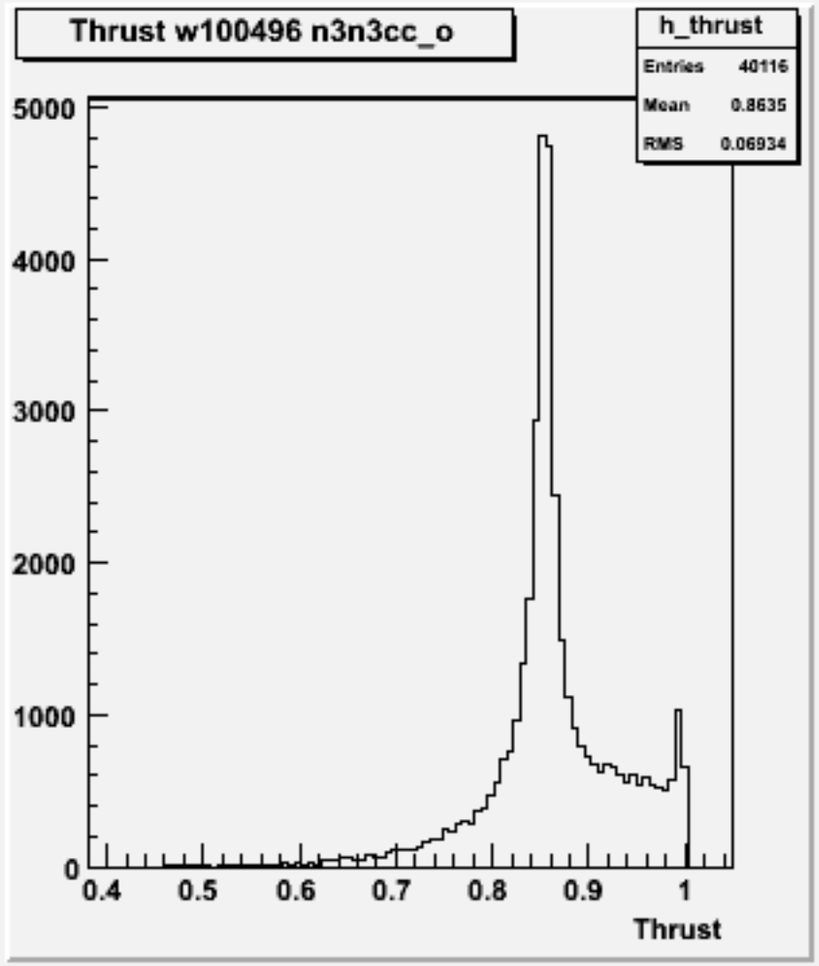

Total Energy (inc. ν): w100496 n3n3cc_o
h_etot
Entries 40116
Mean 346.9
RMS 7.261
Total Energy(GeV)

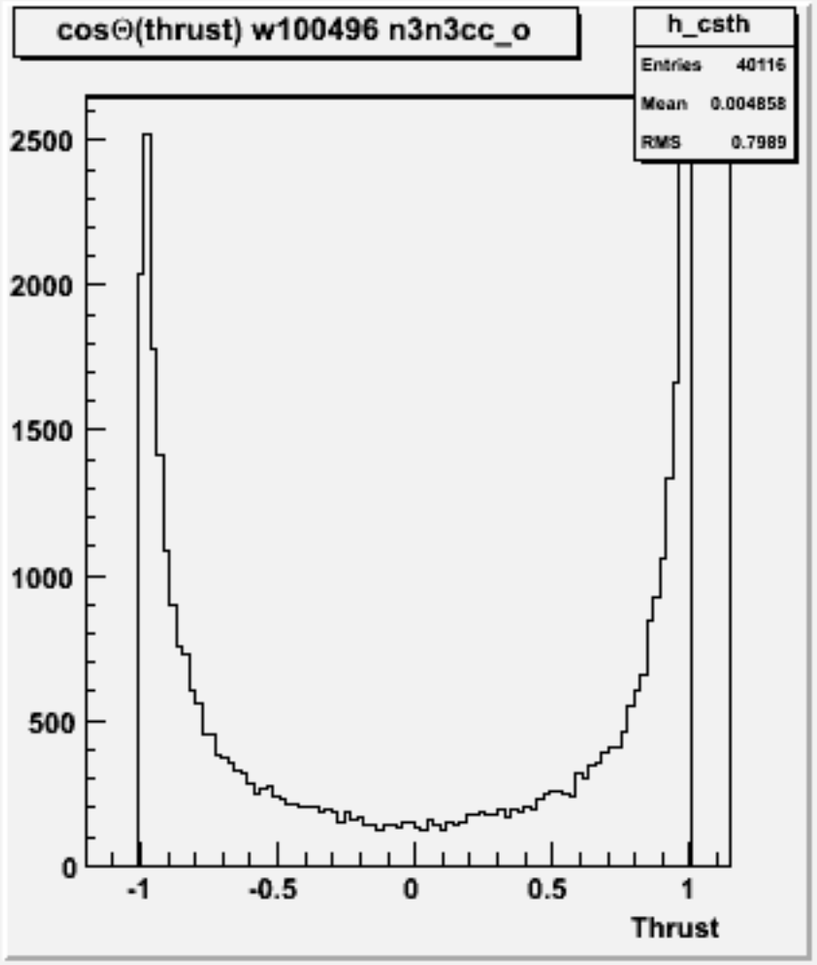

Total Energy (inc. ν): w100496 n3n3cc_o
h_etotc
Entries 36489
Mean 348.6
RMS 2.31
Total Energy(GeV)

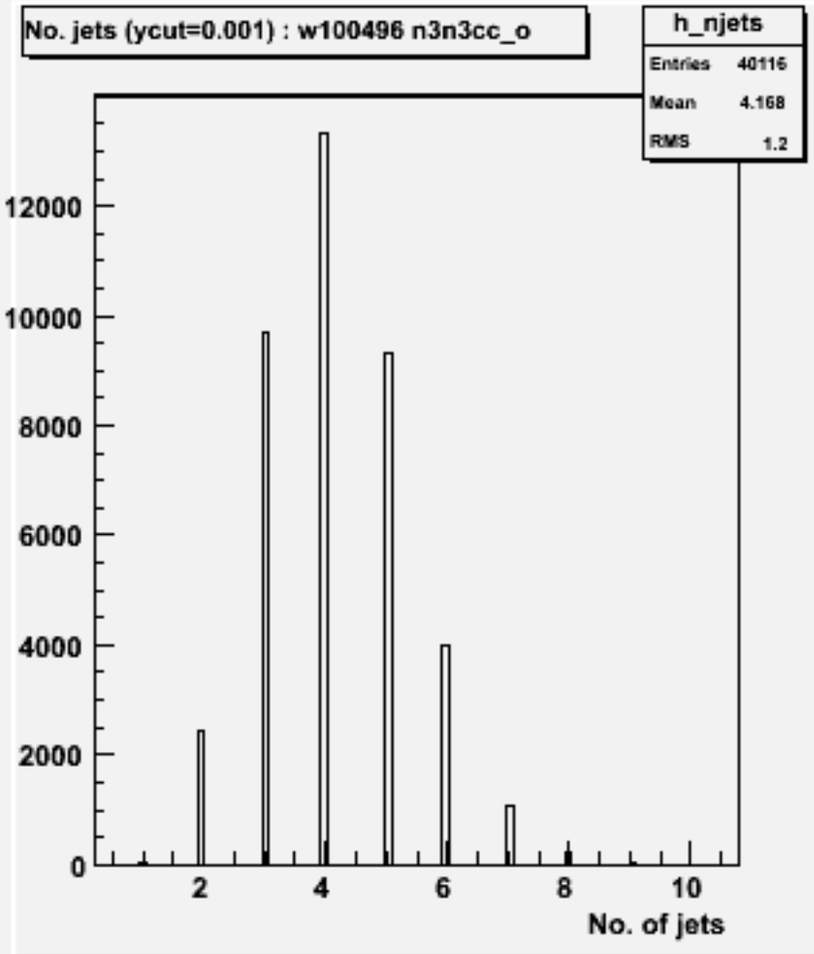

Total Energy (w/o ν): w100496 n3n3cc_o
h_evis
Entries 40116
Mean 176.7
RMS 22.11
Energy(GeV)

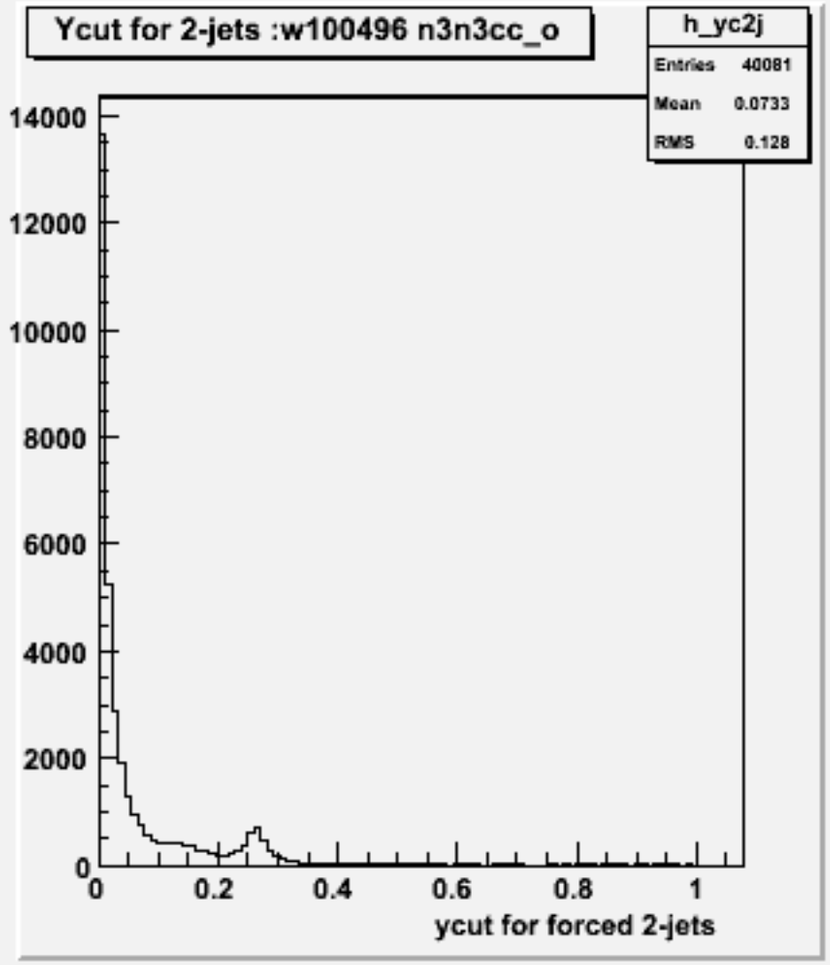

Pt Sum: w100496 n3n3cc_o
h_pt
Entries 40116
Mean 71.98
RMS 40.36
Pt(sum) (GeV)

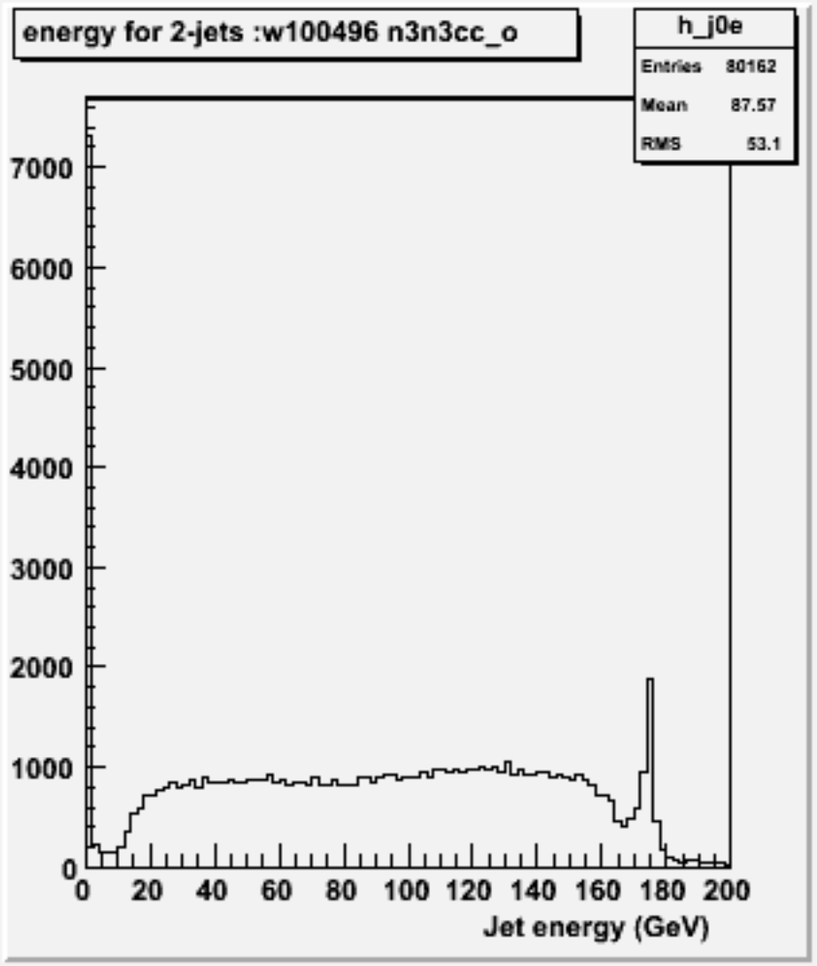

Pz Sum: w100496 n3n3cc_o
h_pz
Entries 40116
Mean -0.4314
RMS 106.9
Pz(sum) (GeV)

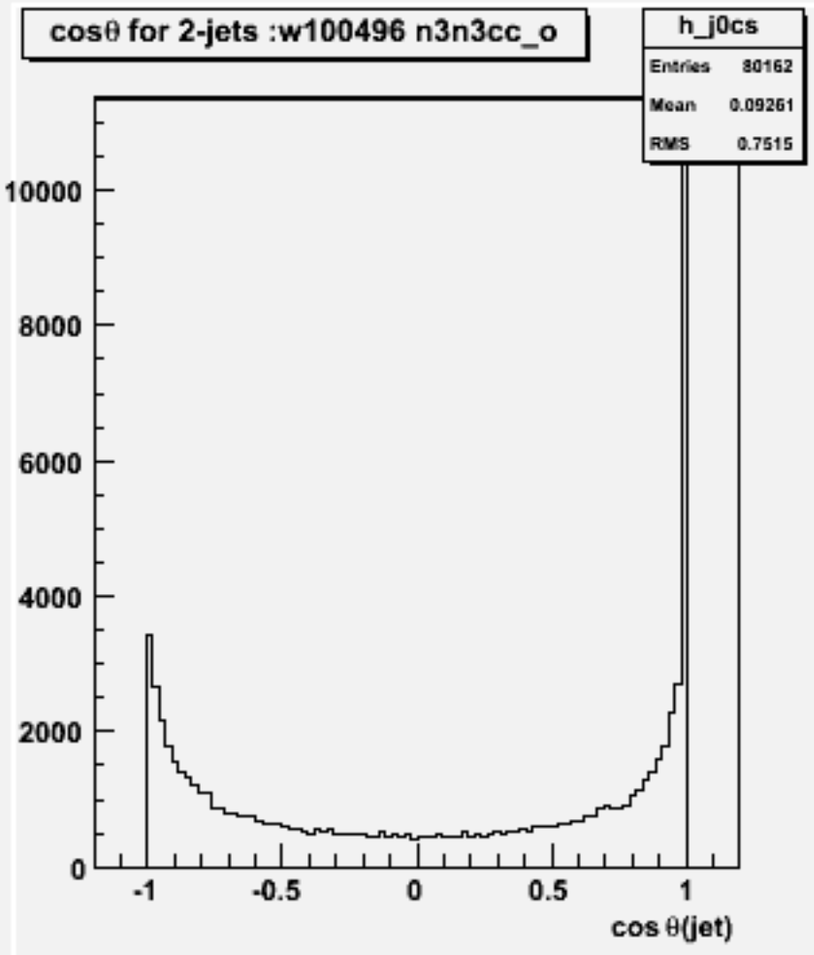

Thrust w100496 n3n3cc_o
h_thrust
Entries 40116
Mean 0.8635
RMS 0.06934
Thrust

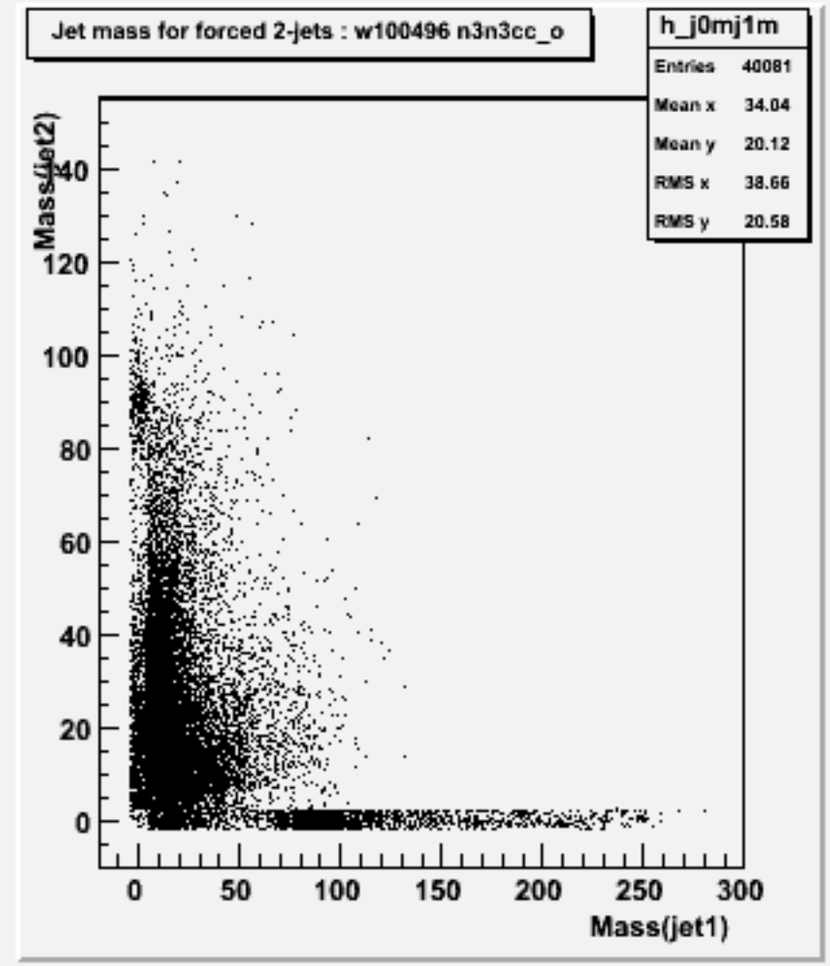

cosΘ(thrust) w100496 n3n3cc_o
h_csth
Entries 40116
Mean 0.004858
RMS 0.7989
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
Thrust

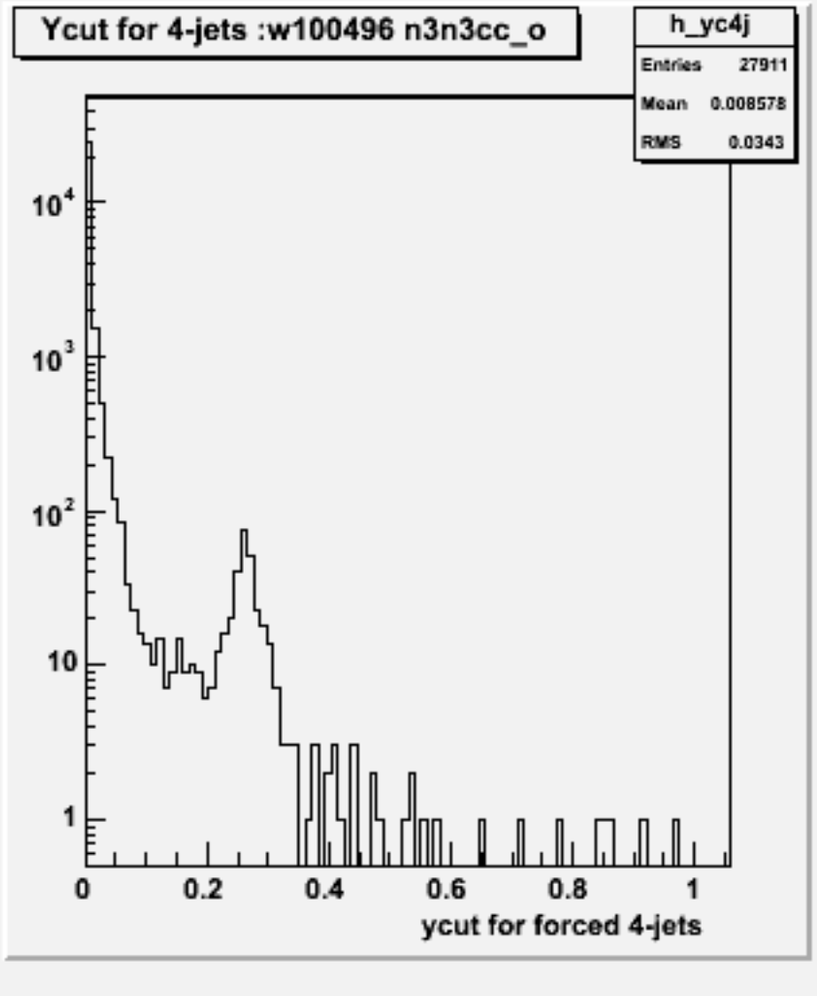

No. jets (ycut=0.001) : w100496 n3n3cc_o
h_njets
Entries 40116
Mean 4.168
RMS 1.2
12000
10000
8000
6000
4000
2000
0
2
4
6
8
10
No. of jets

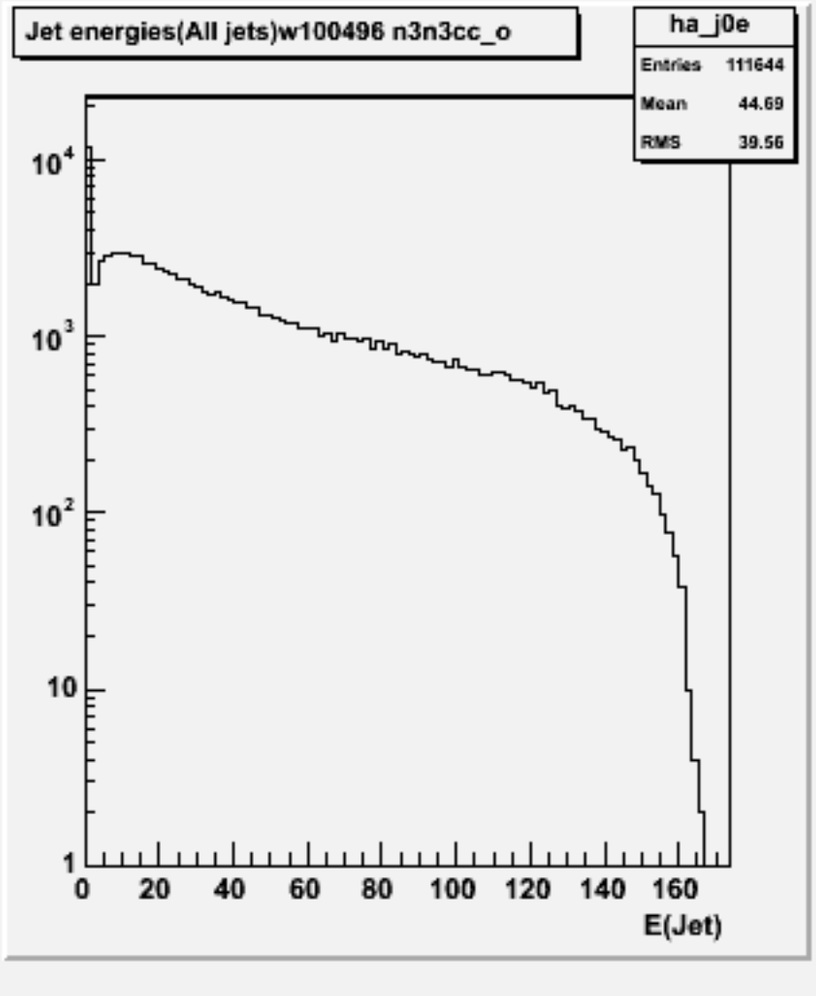

Ycut for 2-jets :w100496 n3n3cc_o
h_yc2j
Entries 40081
Mean 0.0733
RMS 0.128
14000
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

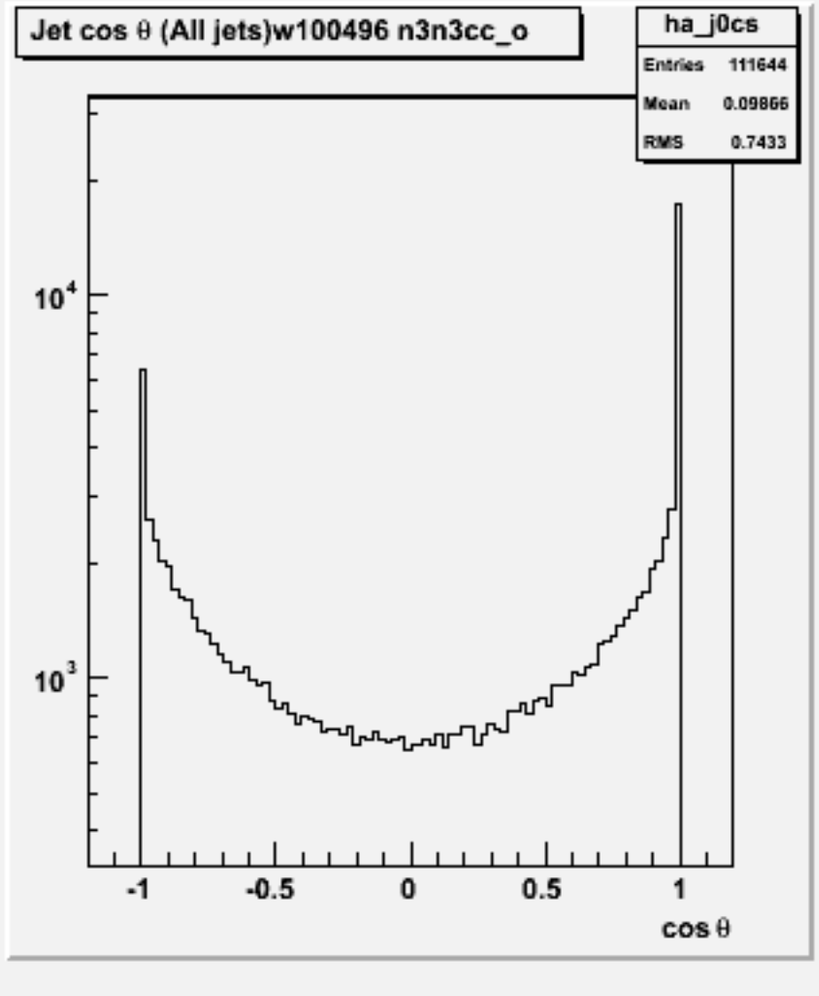

energy for 2-jets :w100496 n3n3cc_o
h_j0e
Entries 80162
Mean 87.57
RMS 53.1
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
160
180
200
Jet energy (GeV)

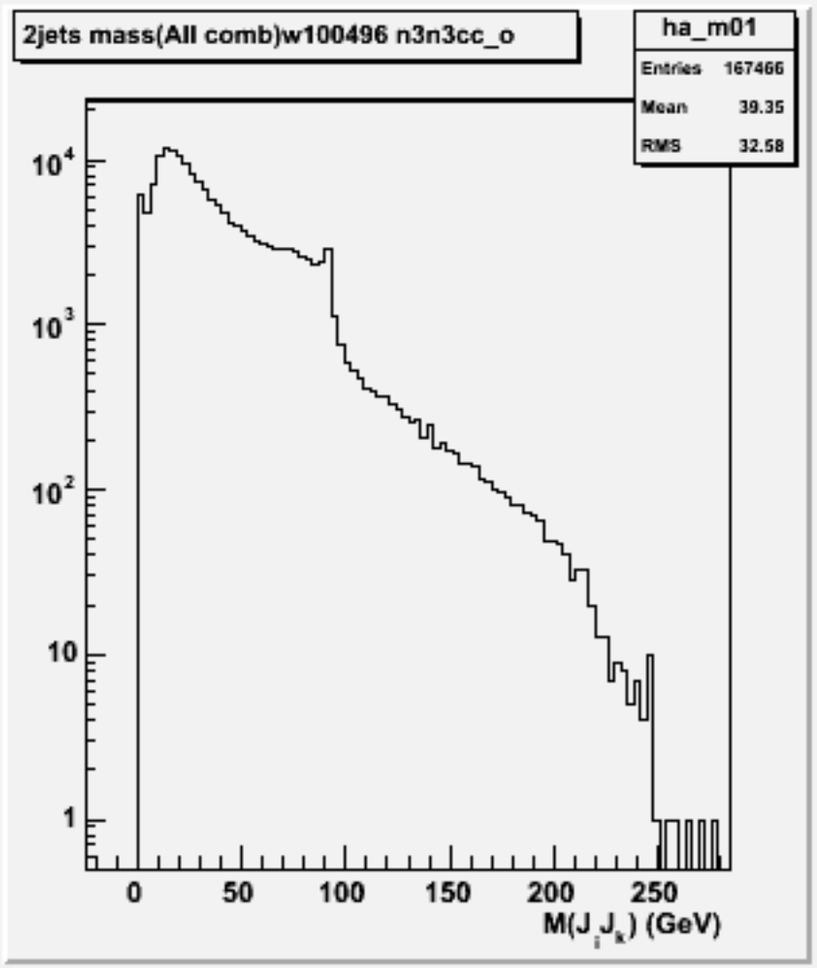

cosθ for 2-jets :w100496 n3n3cc_o
h_j0cs
Entries 80162
Mean 0.09261
RMS 0.7515
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
cos θ(jet)

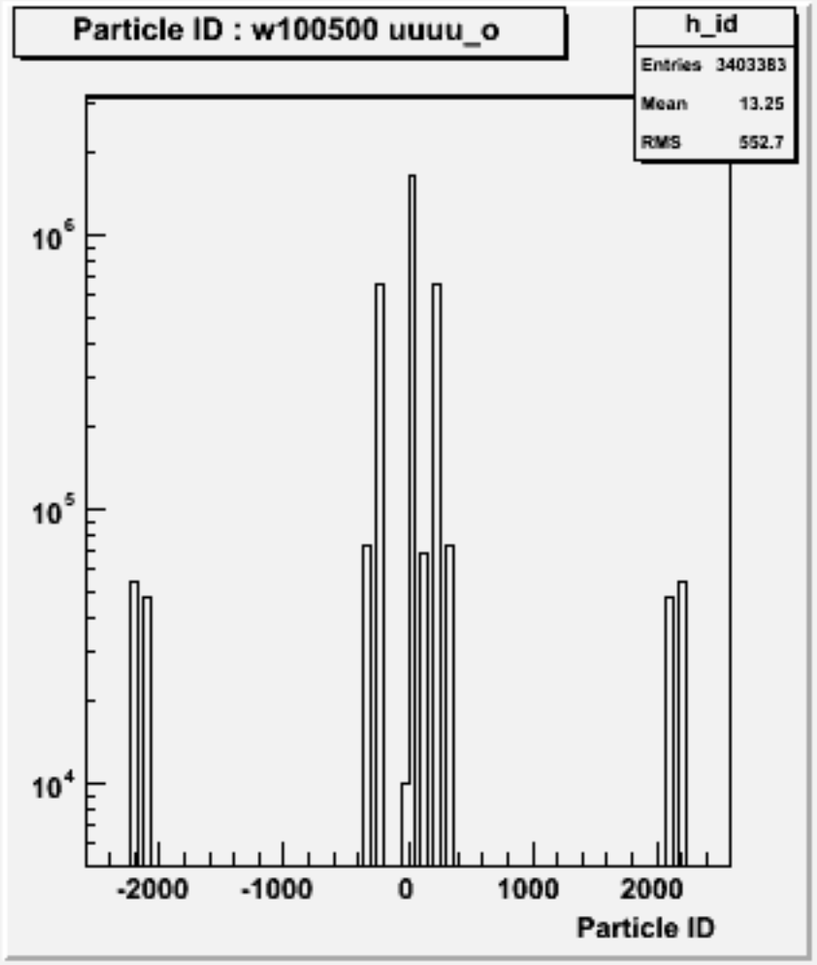

Jet mass for forced 2-jets : w100496 n3n3cc_o
h_j0mj1m
Entries 40081
Mean x 34.04
Mean y 20.12
RMS x 38.66
RMS y 20.58
Mass(jet2)
140
120
100
80
60
40
20
0
0
50
100
150
200
250
300
Mass(jet1)

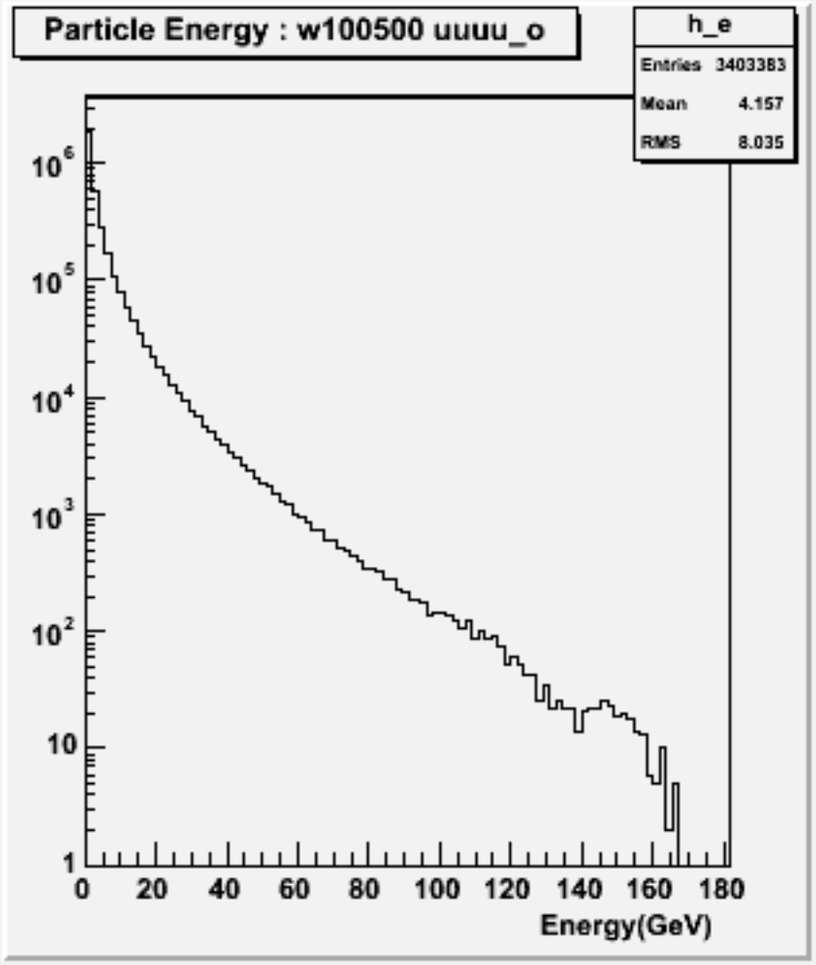

Ycut for 4-jets :w100496 n3n3cc_o
h_yc4j
Entries 27911
Mean 0.008578
RMS 0.0343
ycut for forced 4-jets

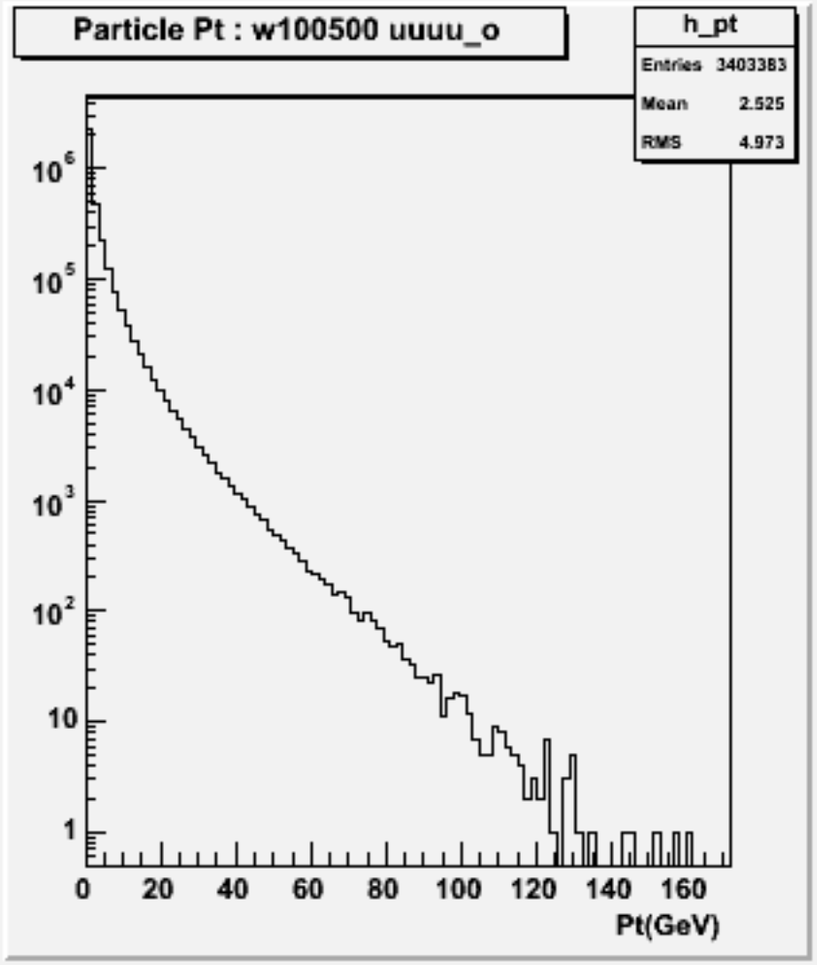

Jet energies(All jets)w100496 n3n3cc_o
ha_j0e
Entries 111644
Mean 44.69
RMS 39.56
E(Jet)

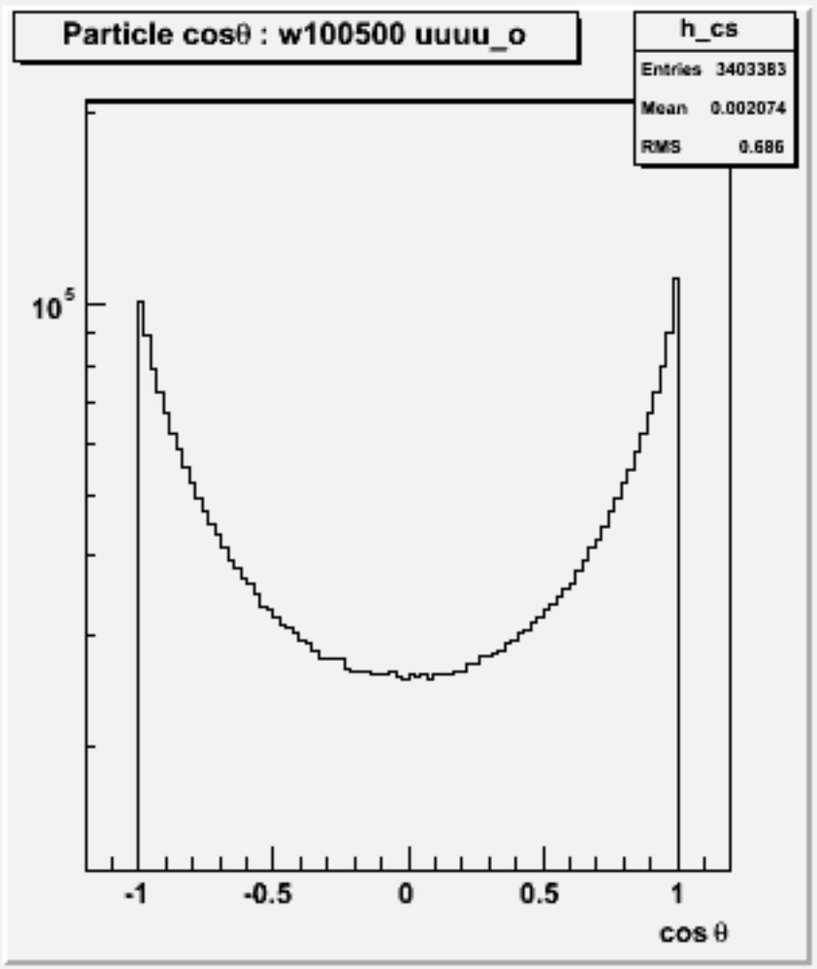

Jet cos θ (All jets)w100496 n3n3cc_o
ha_j0cs
Entries 111644
Mean 0.09866
RMS 0.7433
cos θ

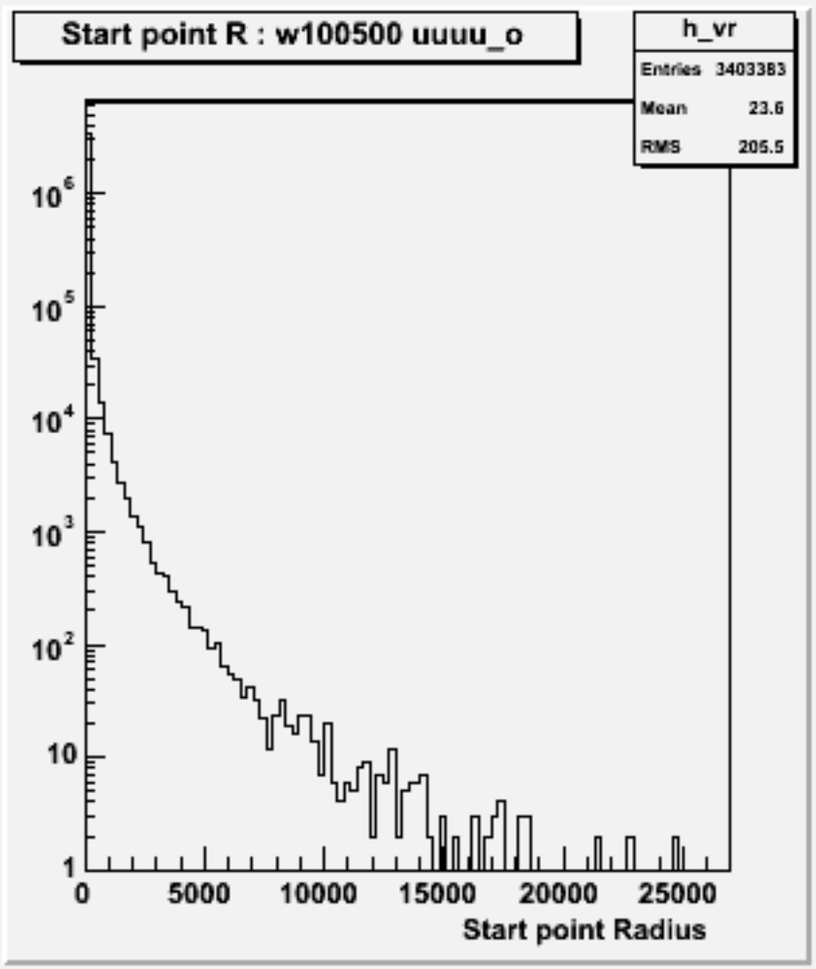

2jets mass(All comb)w100496 n3n3cc_o
ha_m01
Entries 167466
Mean 39.35
RMS 32.58
M(J_iJ_k) (GeV)

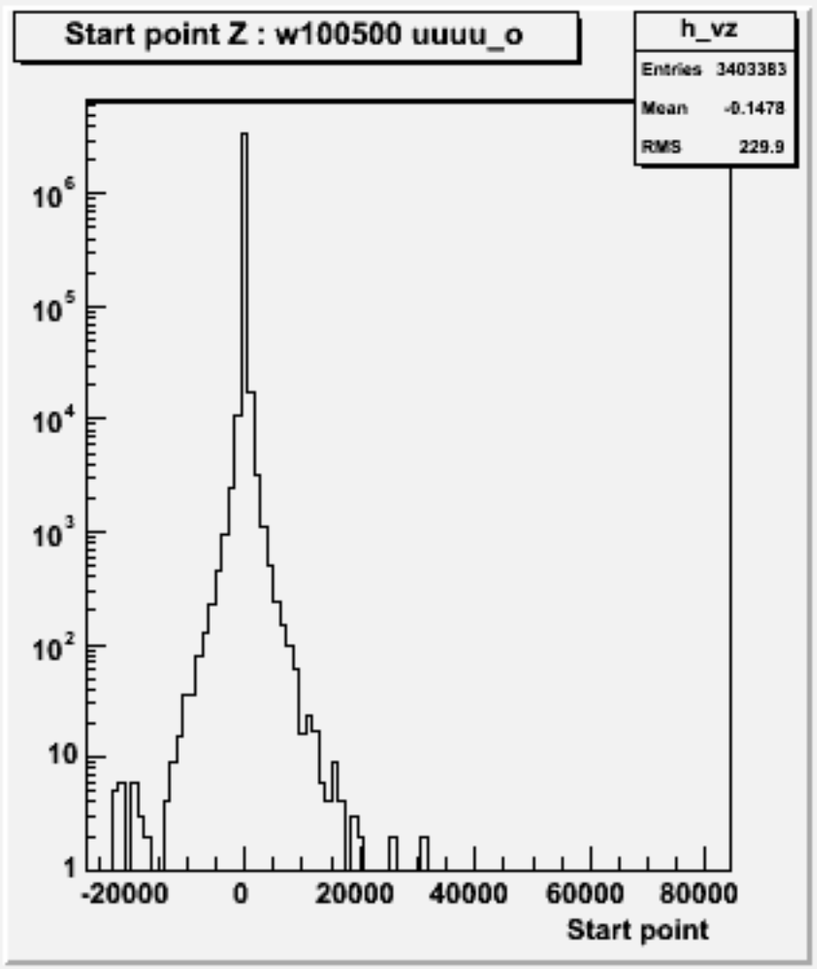

Particle ID : w100500 uuuu_o
h_id
Entries 3403383
Mean 13.25
RMS 552.7
Particle ID

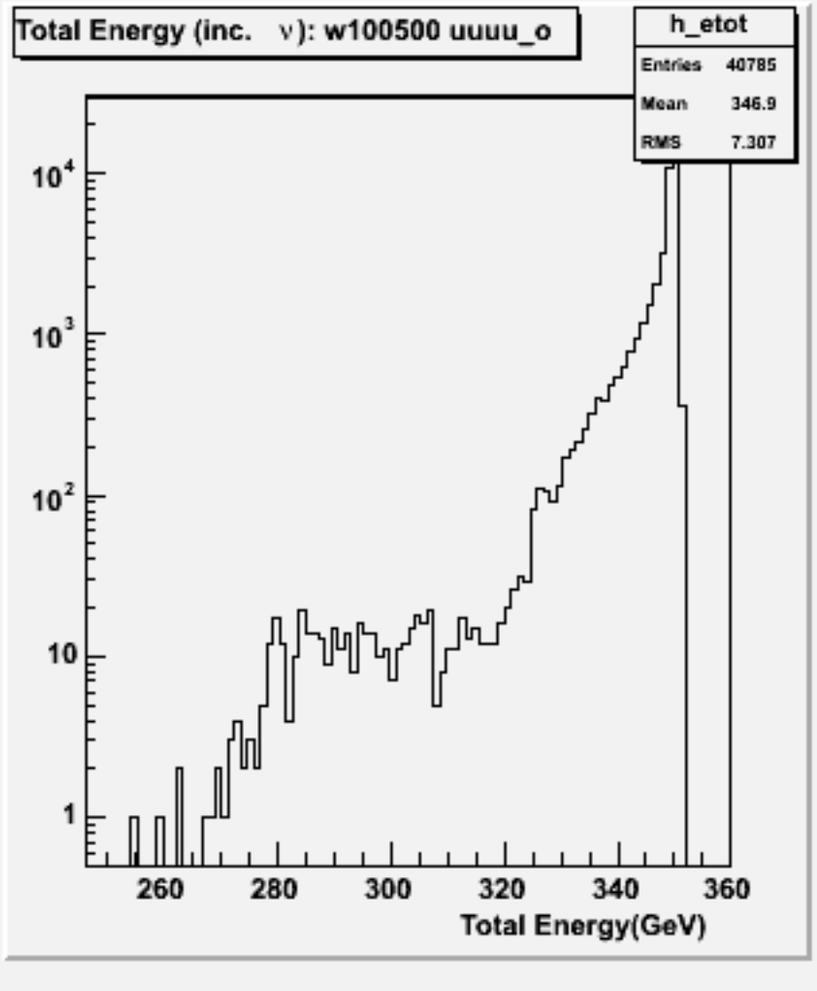

Particle Energy : w100500 uuuu_o
h_e
Entries 3403383
Mean 4.157
RMS 8.035
Energy(GeV)

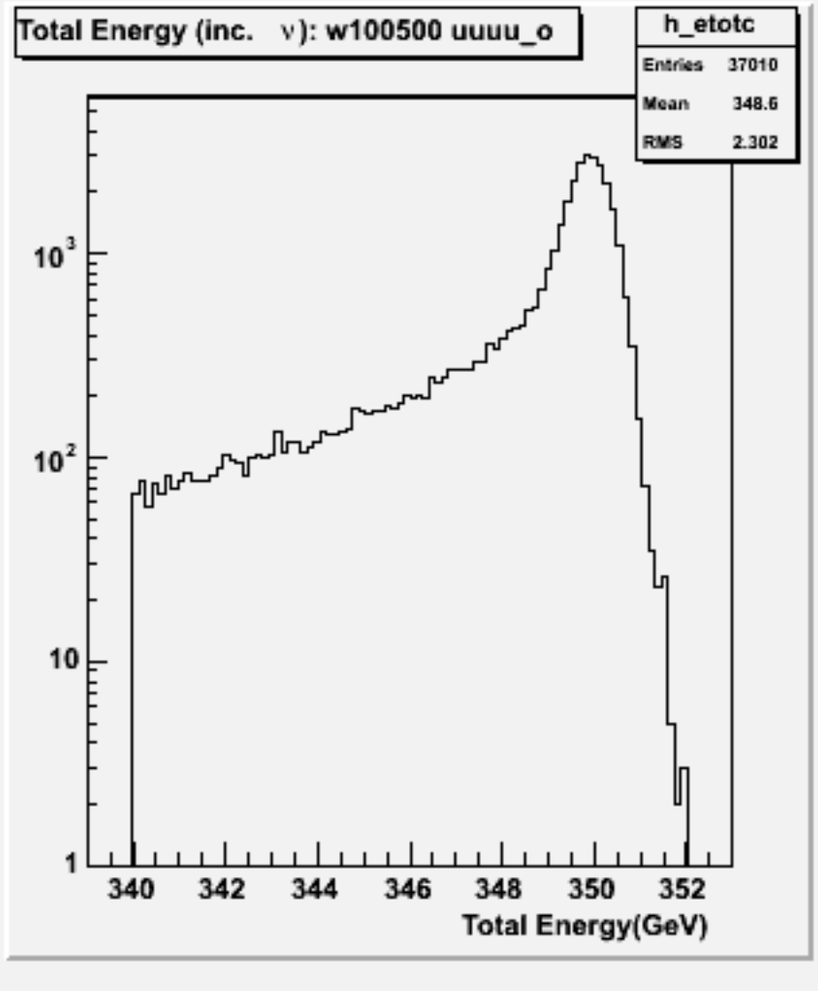

Particle Pt : w100500 uuuu_o
h_pt
Entries 3403383
Mean 2.525
RMS 4.973
Pt(GeV)

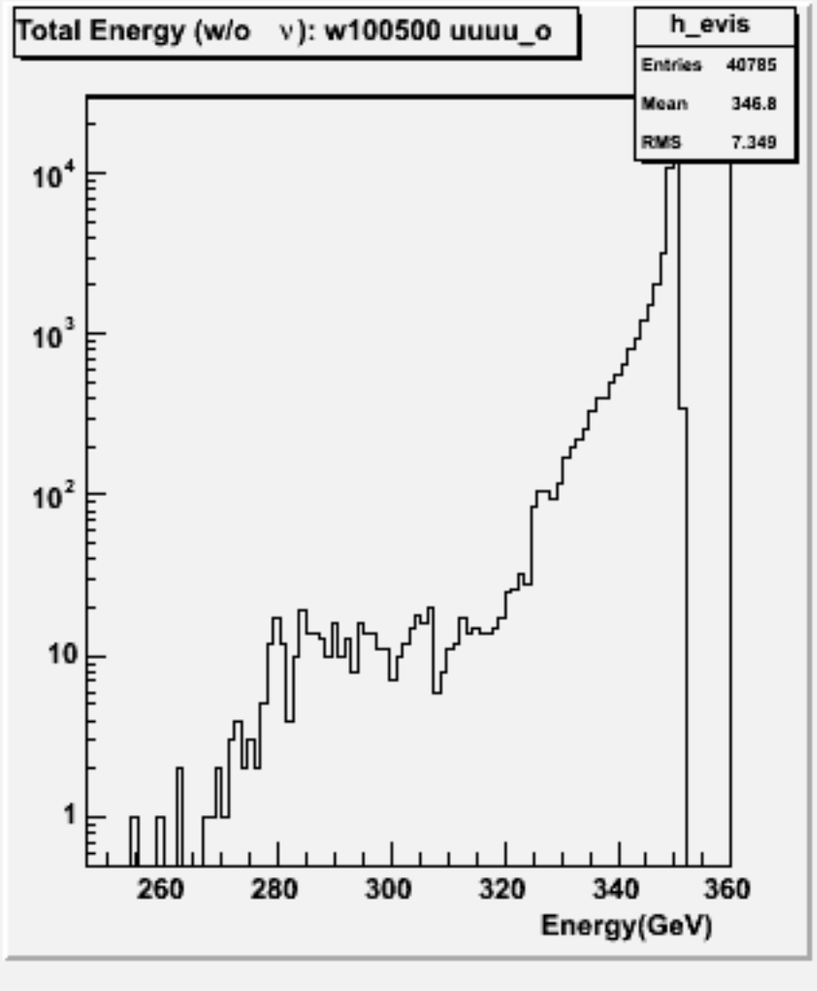

Particle cosθ : w100500 uuuu_o
h_cs
Entries 3403383
Mean 0.002074
RMS 0.686
cos θ

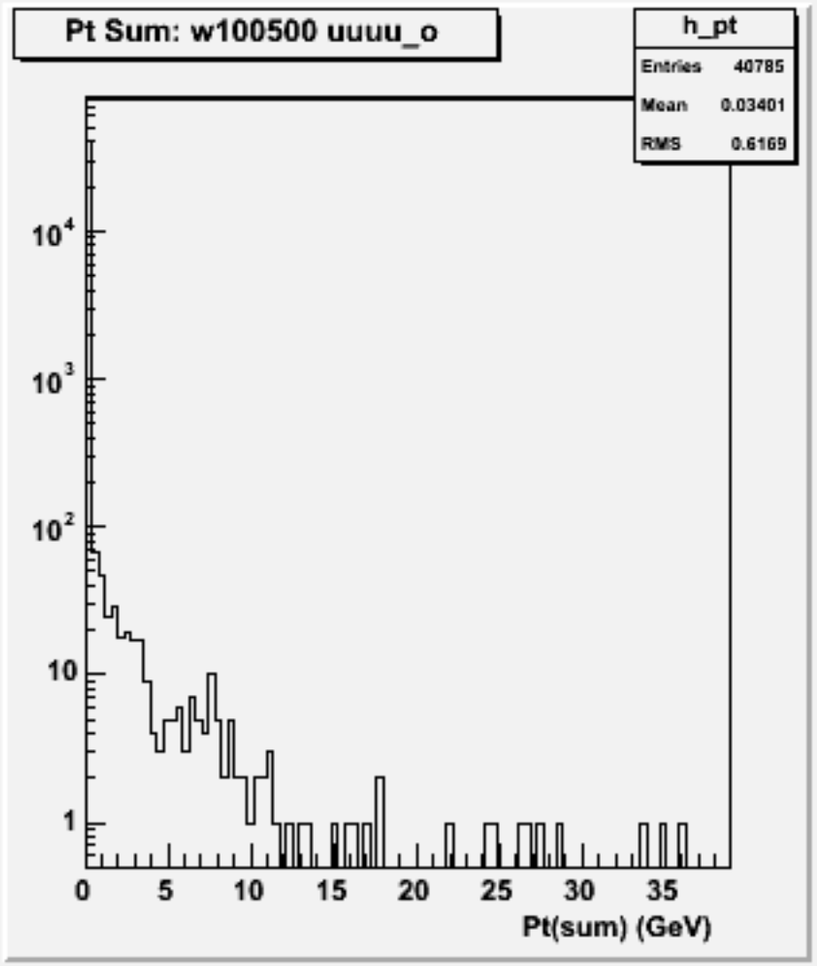

Start point R : w100500 uuuu_o
h_vr
Entries 3403383
Mean 23.6
RMS 205.5
Start point Radius

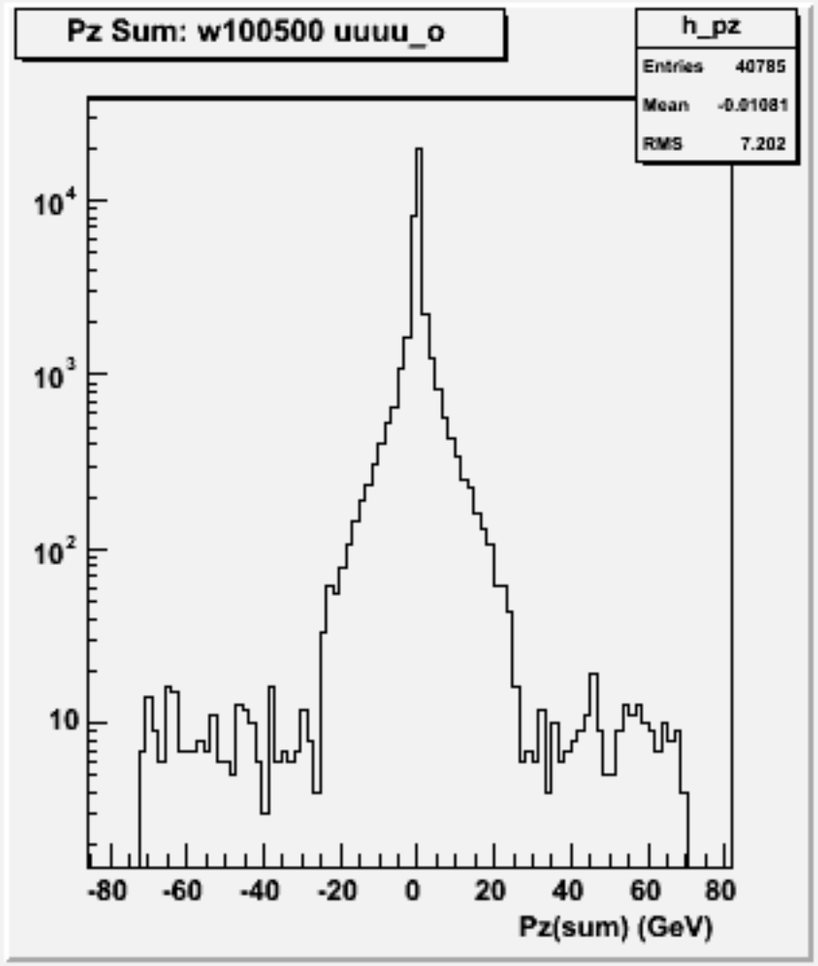

Start point Z : w100500 uuuu_o
h_vz
Entries 3403383
Mean -0.1478
RMS 229.9
Start point

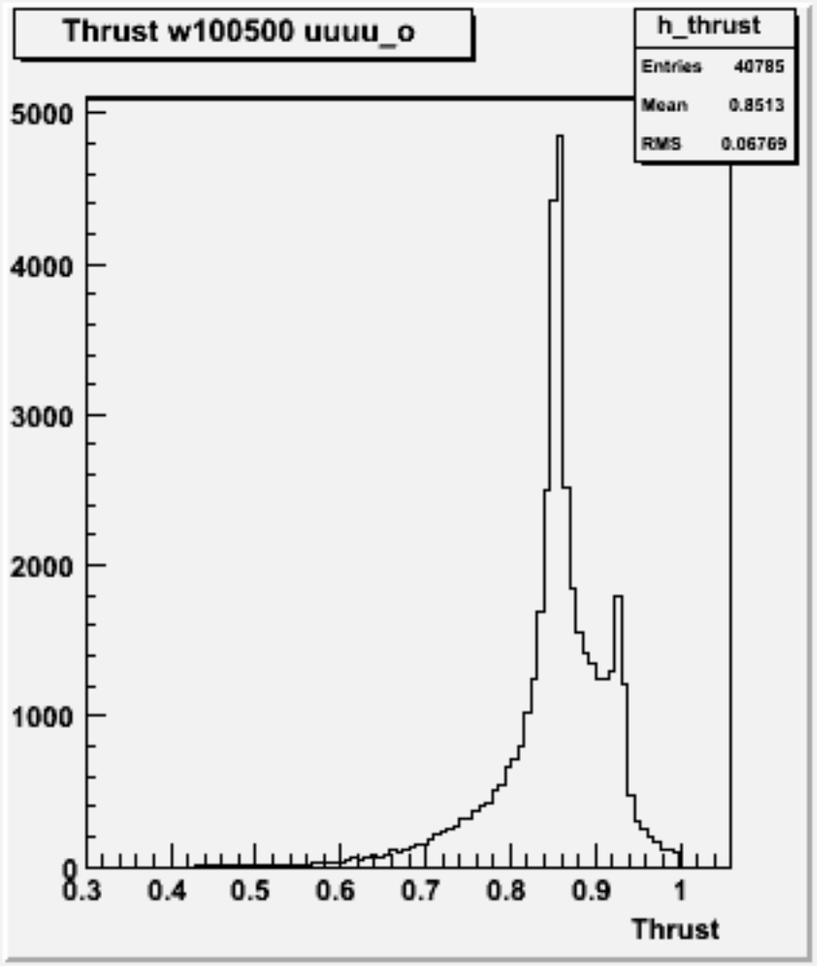

Total Energy (inc. ν): w100500 uuuu_o
h_etot
Entries 40785
Mean 346.9
RMS 7.307
Total Energy(GeV)

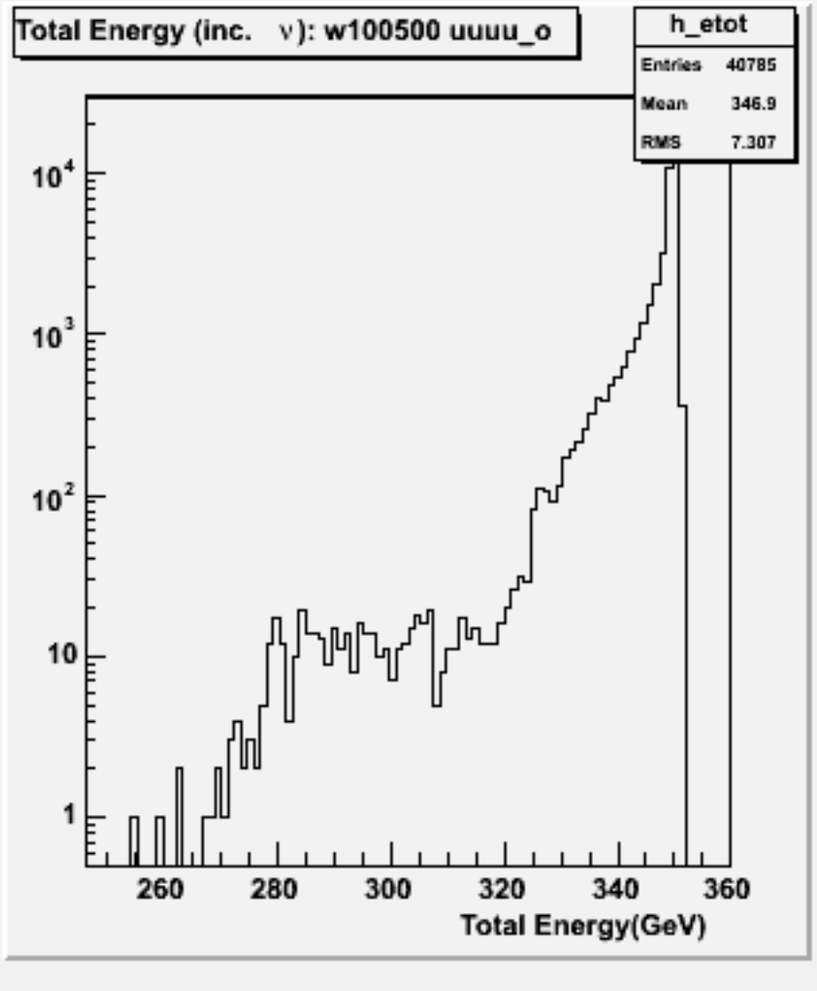

Total Energy (inc. ν): w100500 uuuu_o
h_etotc
Entries 37010
Mean 348.6
RMS 2.302
Total Energy(GeV)

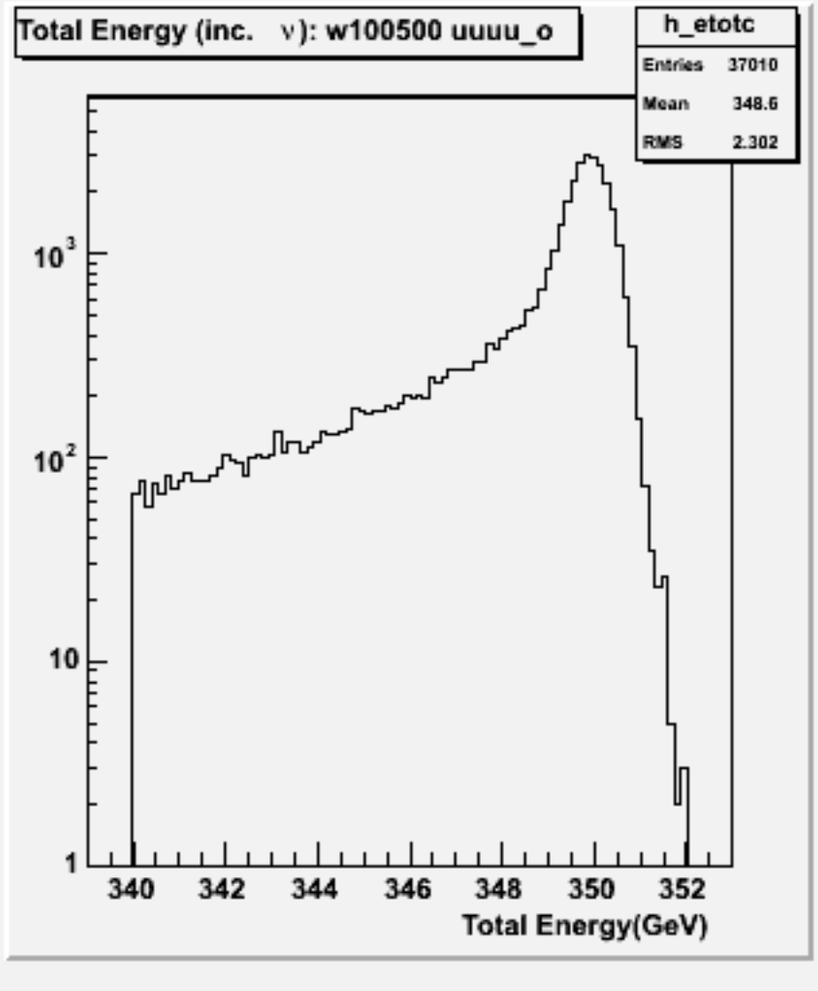

Total Energy (w/o ν): w100500 uuuu_o
h_evis
Entries 40785
Mean 346.8
RMS 7.349
Energy(GeV)

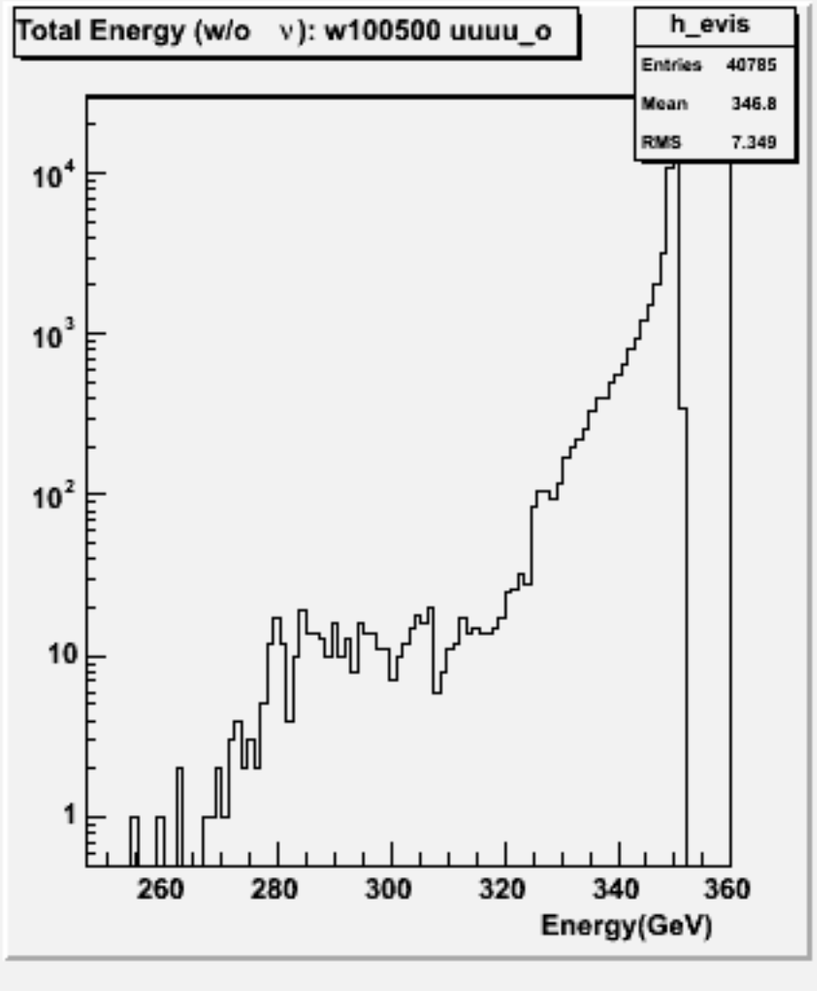

Pt Sum: w100500 uuuu_o
h_pt
Entries 40785
Mean 0.03401
RMS 0.6169
Pt(sum) (GeV)

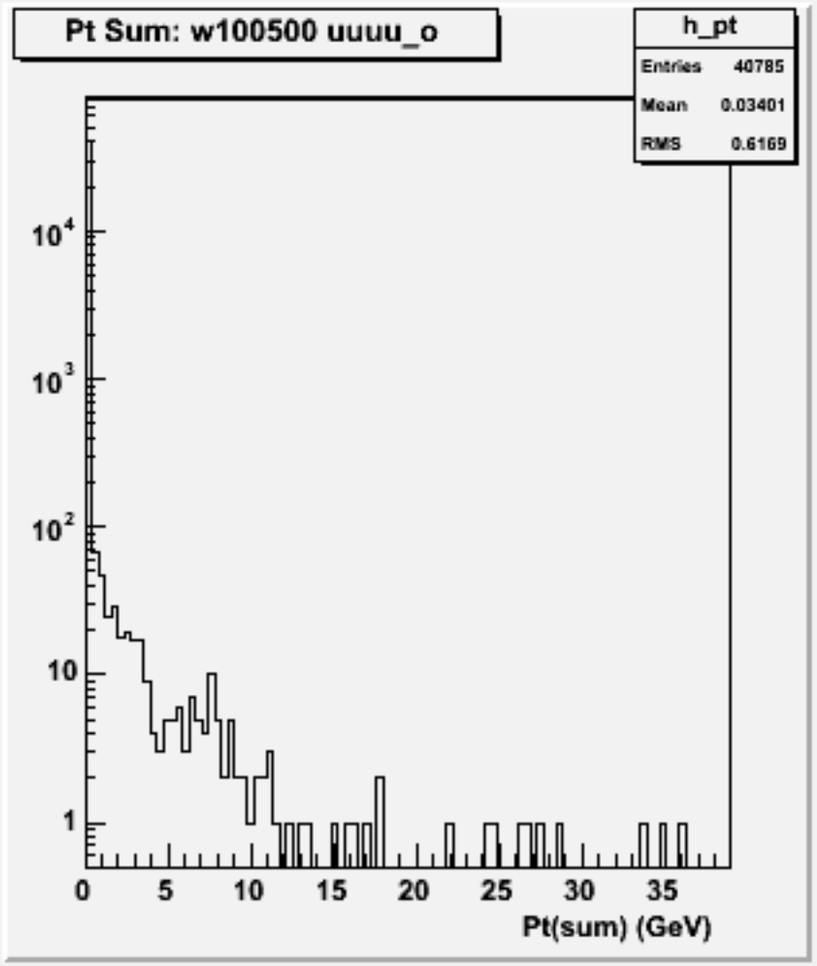

Pz Sum: w100500 uuuu_o
h_pz
Entries 40785
Mean -0.01081
RMS 7.202
Pz(sum) (GeV)

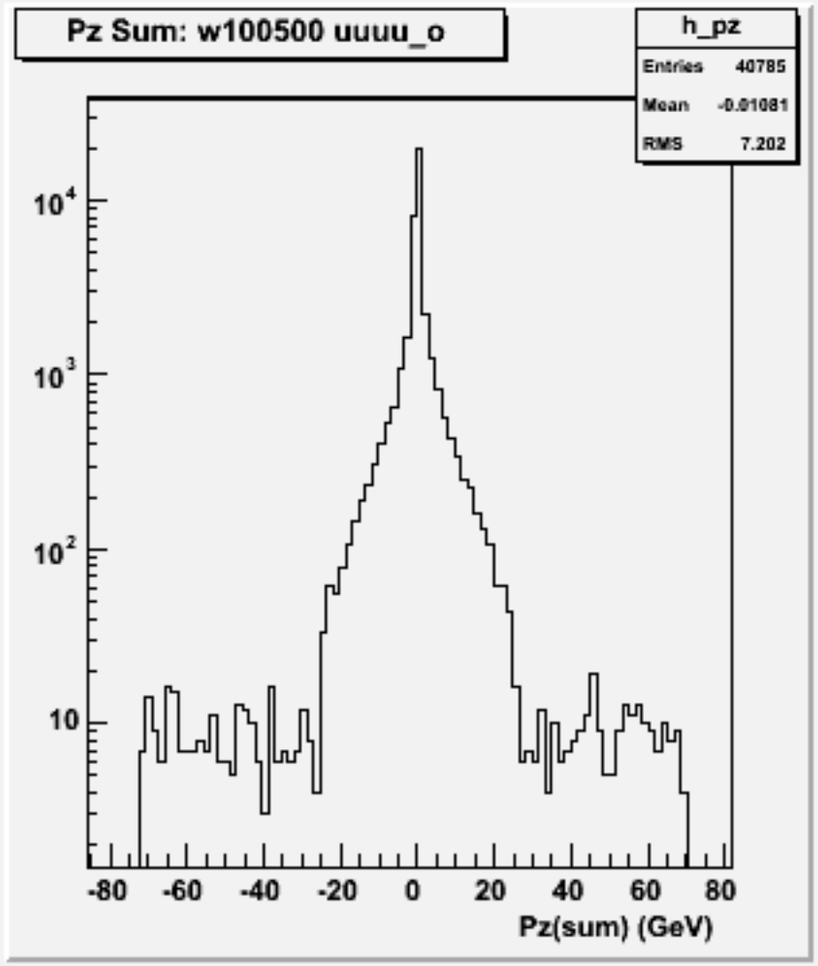

Thrust w100500 uuuu_o
h_thrust
Entries 40785
Mean 0.8513
RMS 0.06769
Thrust

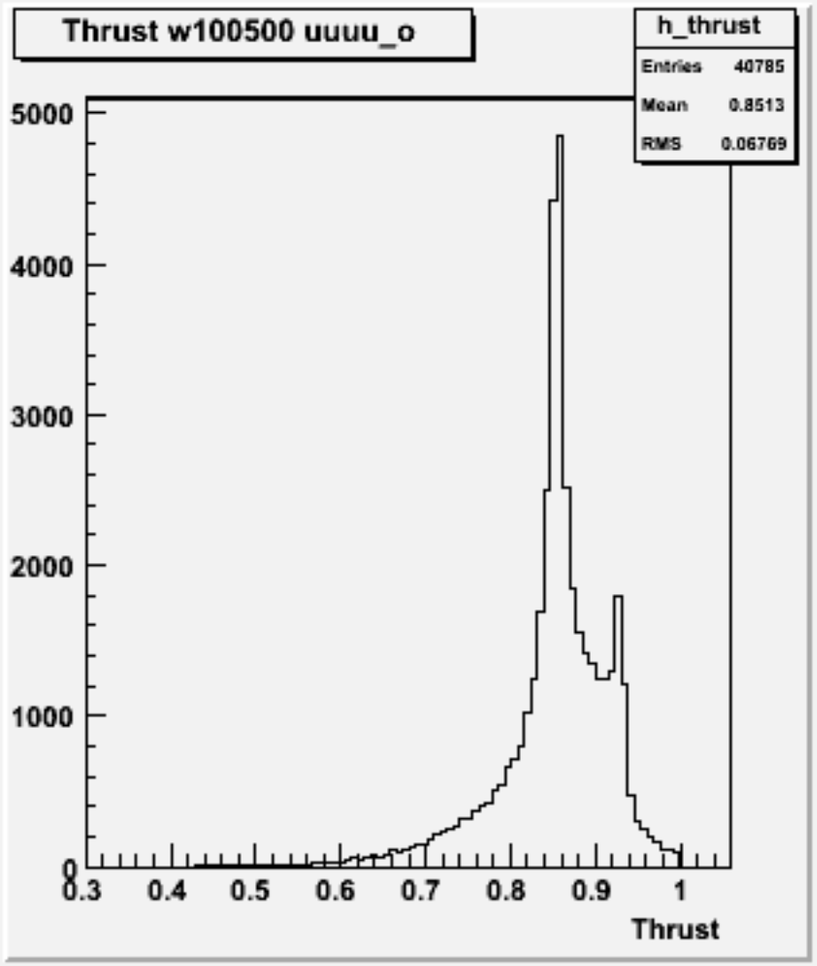

Total Energy (inc. ν): w100500 uuuu_o
h_etot
Entries 40785
Mean 346.9
RMS 7.307
Total Energy(GeV)

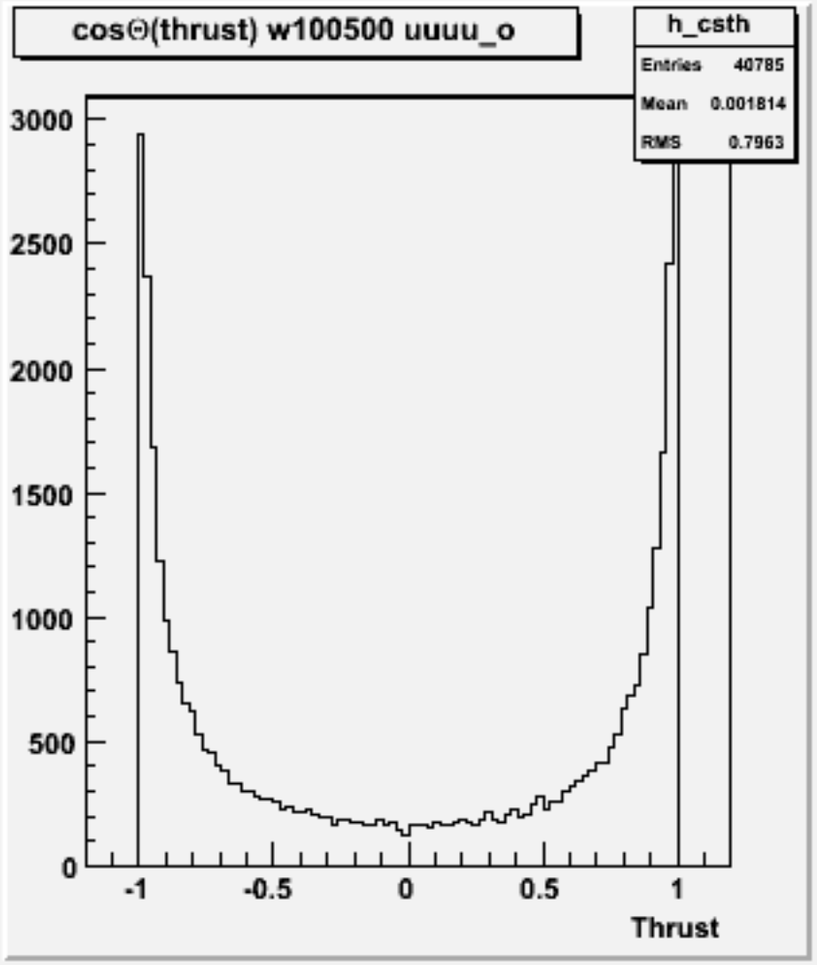

Total Energy (inc. ν): w100500 uuuu_o
h_etotc
Entries 37010
Mean 348.6
RMS 2.302
Total Energy(GeV)

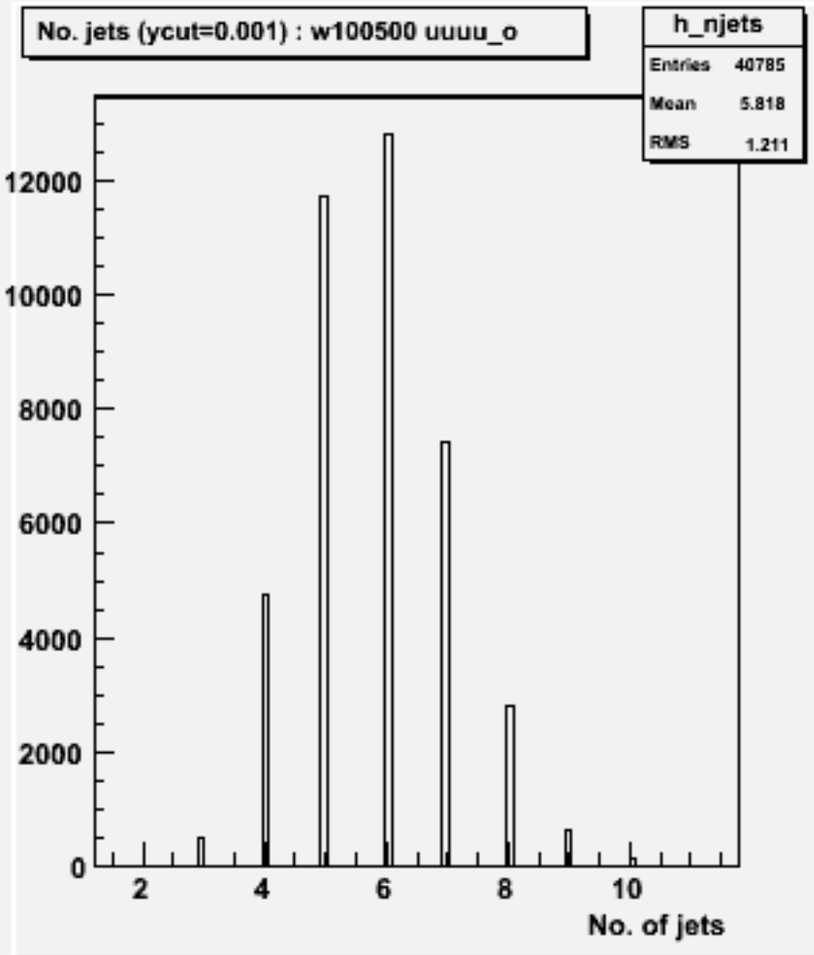

Total Energy (w/o ν): w100500 uuuu_o
h_evis
Entries 40785
Mean 346.8
RMS 7.349
Energy(GeV)

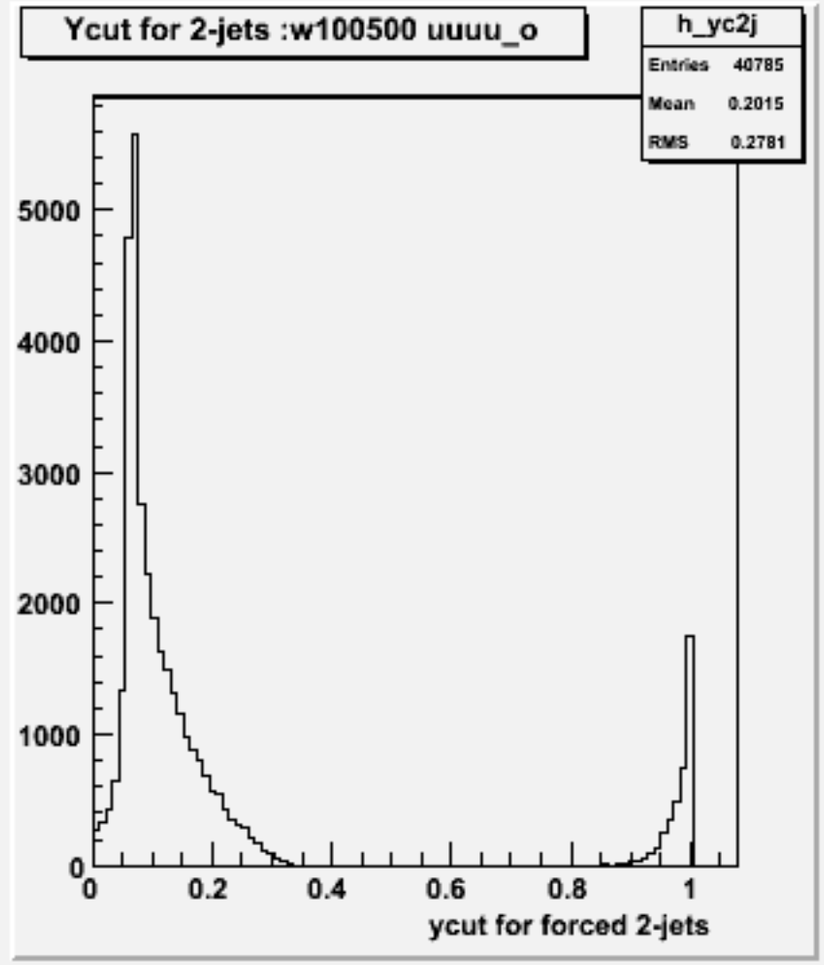

Pt Sum: w100500 uuuu_o
h_pt
Entries 40785
Mean 0.03401
RMS 0.6169
Pt(sum) (GeV)

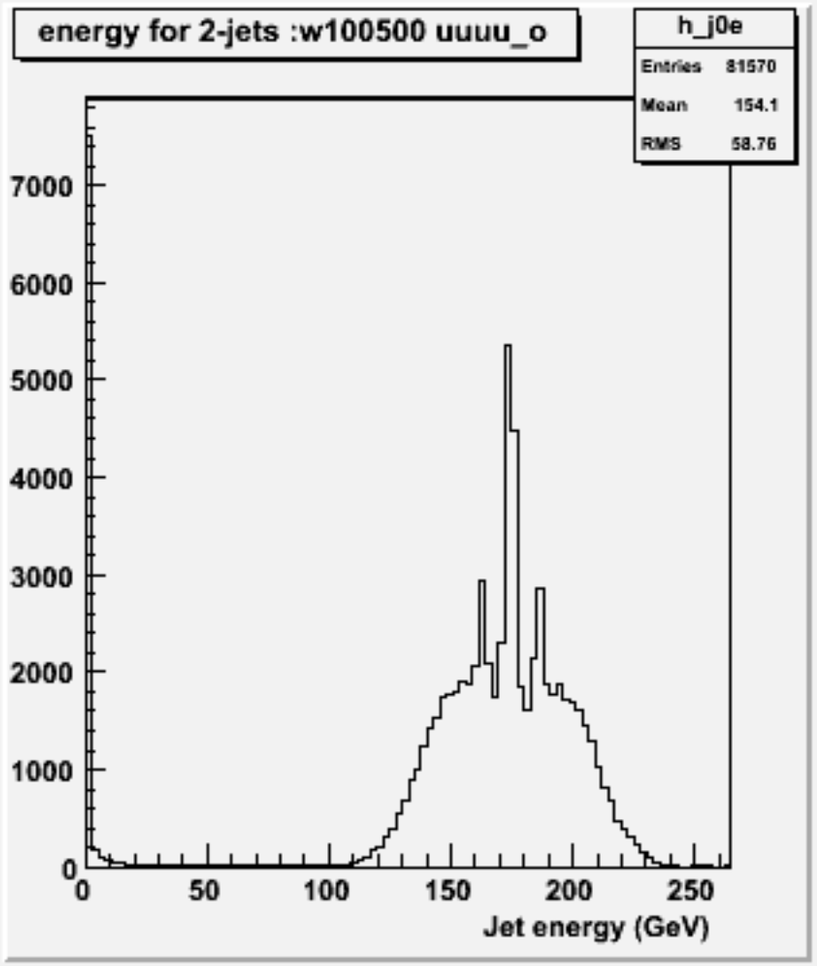

Pz Sum: w100500 uuuu_o
h_pz
Entries 40785
Mean -0.01081
RMS 7.202
Pz(sum) (GeV)

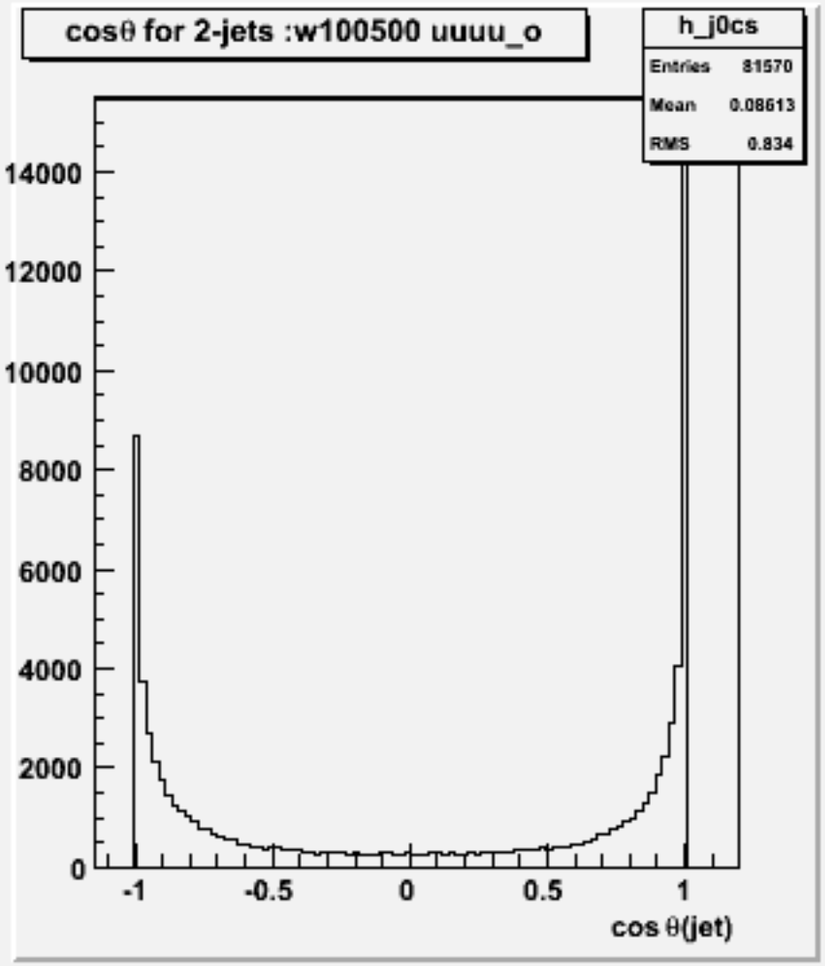

Thrust w100500 uuuu_o
h_thrust
Entries 40785
Mean 0.8513
RMS 0.06769
Thrust

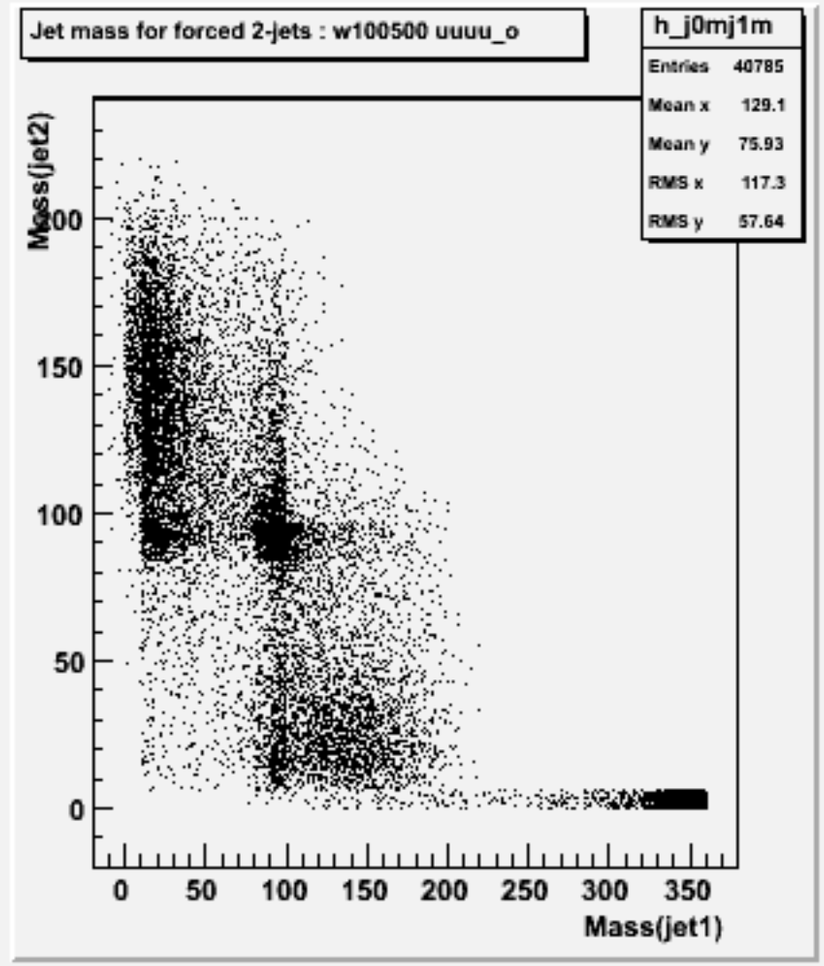

cosΘ(thrust) w100500 uuuu_o
h_csth
Entries 40785
Mean 0.001814
RMS 0.7963
Thrust

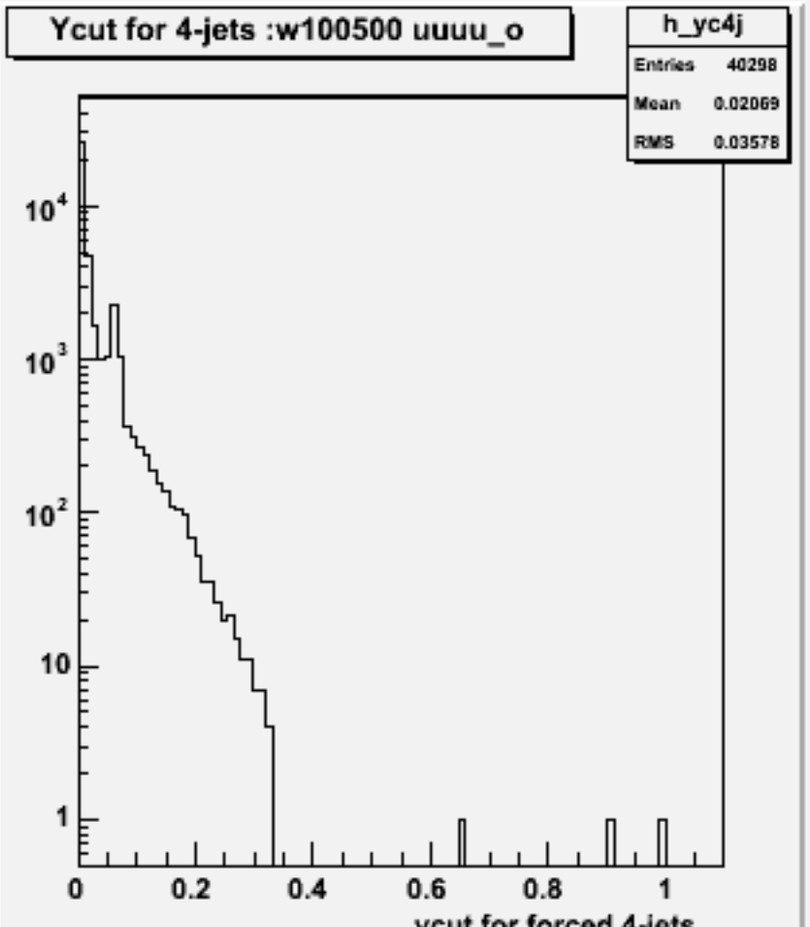

No. jets (ycut=0.001) : w100500 uuuu_o
h_njets
Entries 40785
Mean 5.818
RMS 1.211
No. of jets

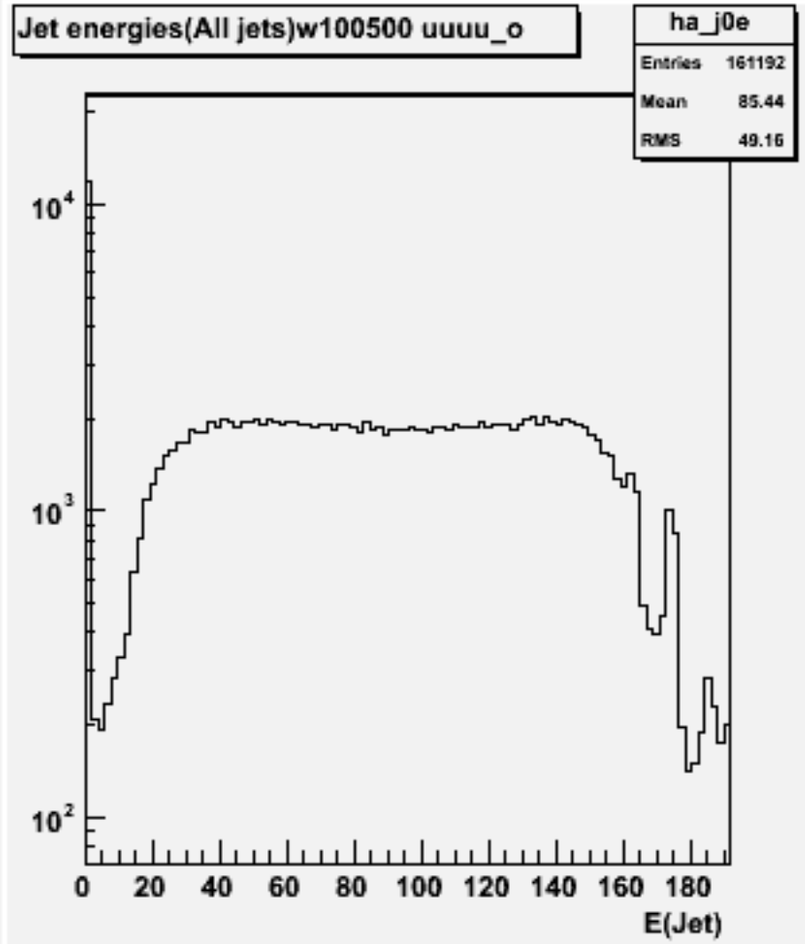

Ycut for 2-jets :w100500 uuuu_o
h_yc2j
Entries 40785
Mean 0.2015
RMS 0.2781
ycut for forced 2-jets

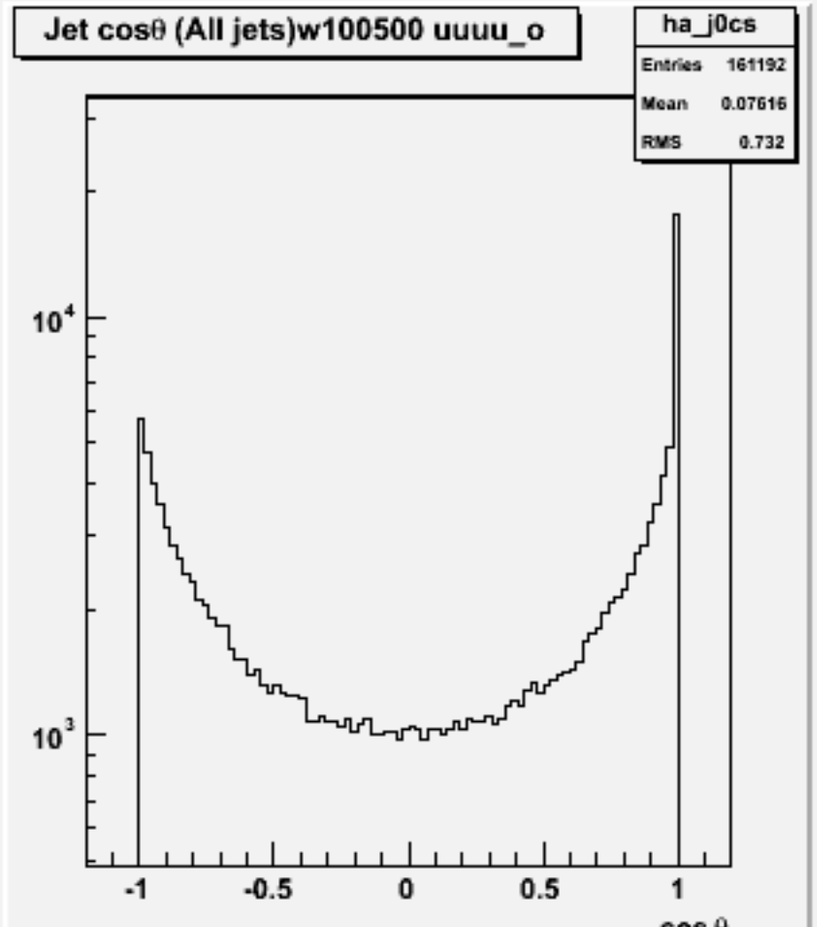

energy for 2-jets :w100500 uuuu_o
h_j0e
Entries 81570
Mean 154.1
RMS 58.76
Jet energy (GeV)

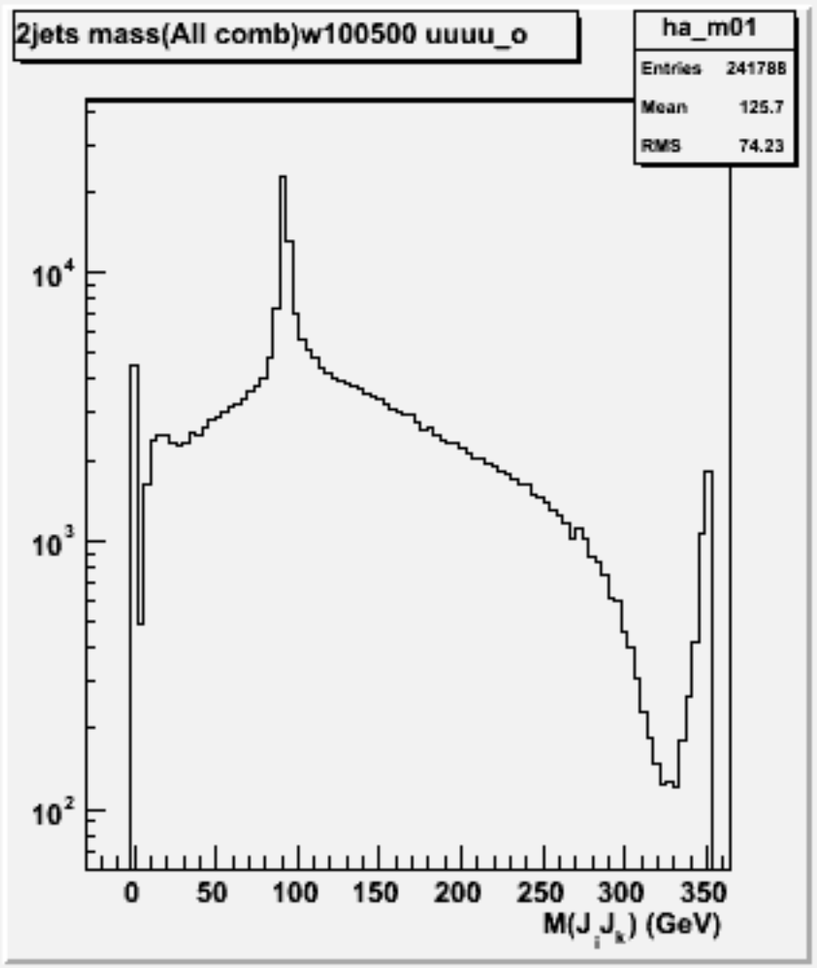

cosθ for 2-jets :w100500 uuuu_o
h_j0cs
Entries 81570
Mean 0.08613
RMS 0.834
cos θ(jet)

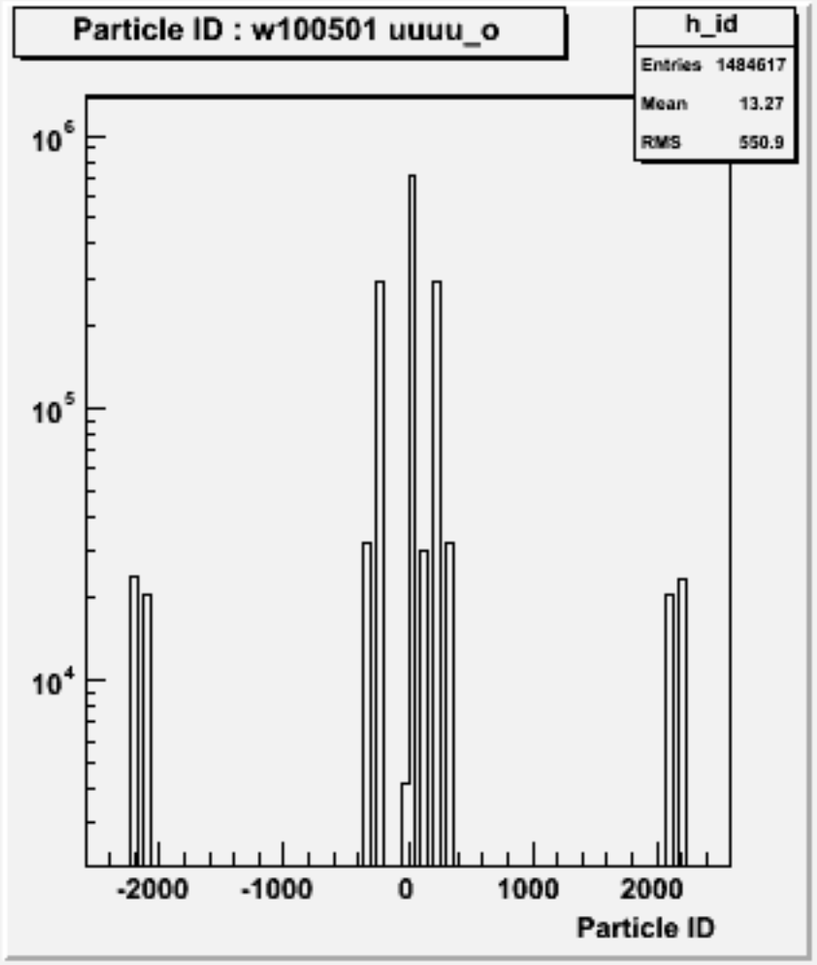

Jet mass for forced 2-jets : w100500 uuuu_o
h_j0mj1m
Entries 40785
Mean x 129.1
Mean y 75.93
RMS x 117.3
RMS y 57.64
Mass(jet2)
Mass(jet1)

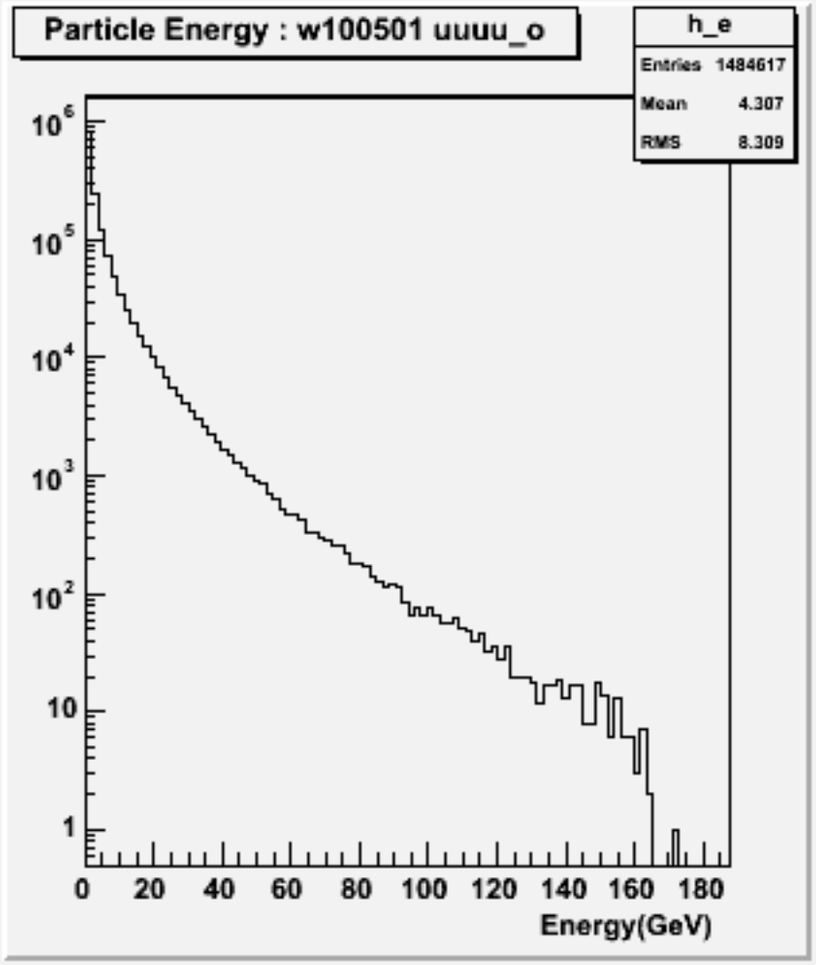

Ycut for 4-jets :w100500 uuuu_o
h_yc4j
Entries 40298
Mean 0.02069
RMS 0.03578
ycut for forced 4-jets

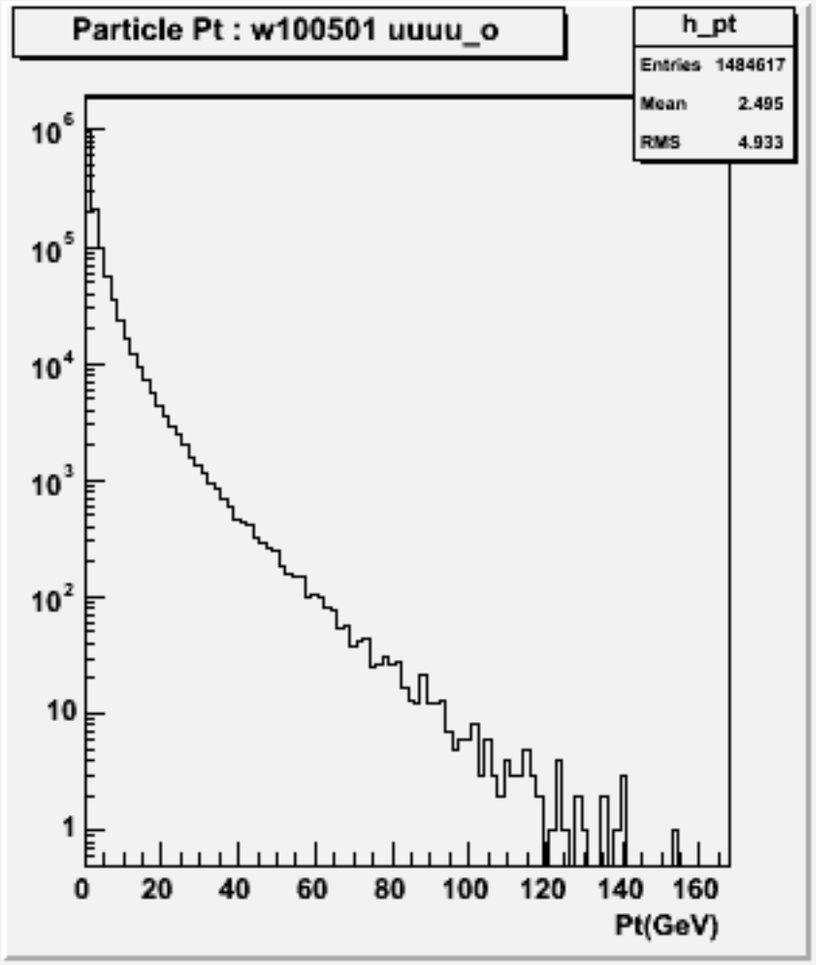

Jet energies(All jets)w100500 uuuu_o
ha_j0e
Entries 161192
Mean 85.44
RMS 49.16
E(Jet)

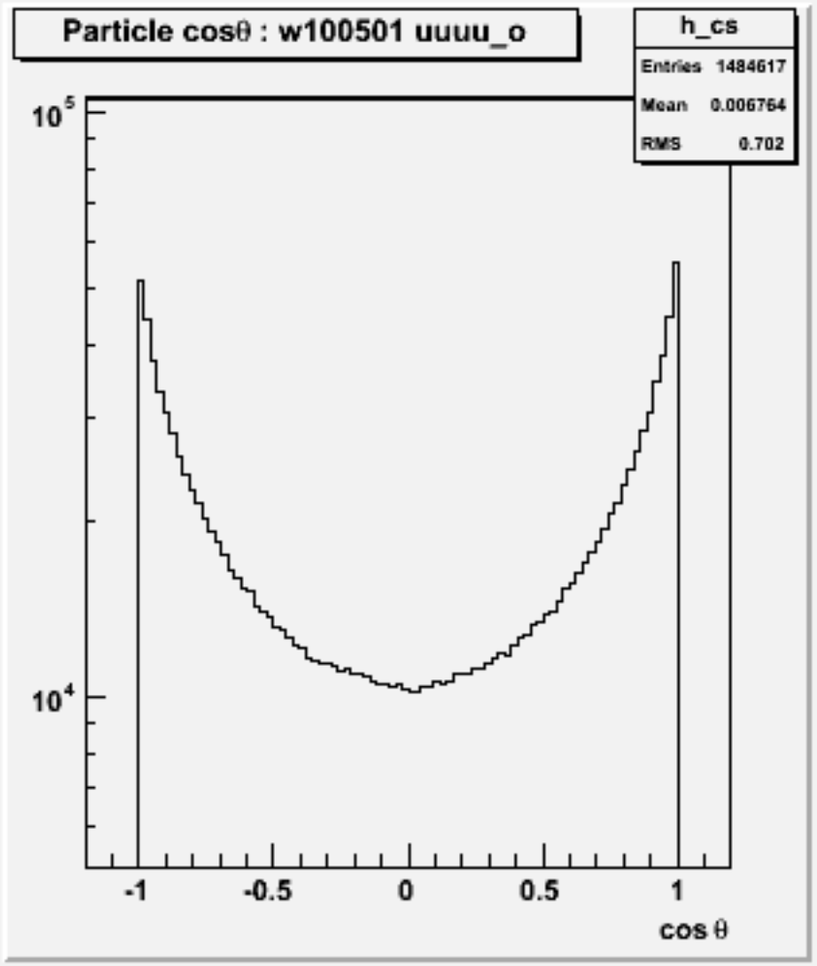

Jet cosθ (All jets)w100500 uuuu_o
ha_j0cs
Entries 161192
Mean 0.07616
RMS 0.732
cos θ

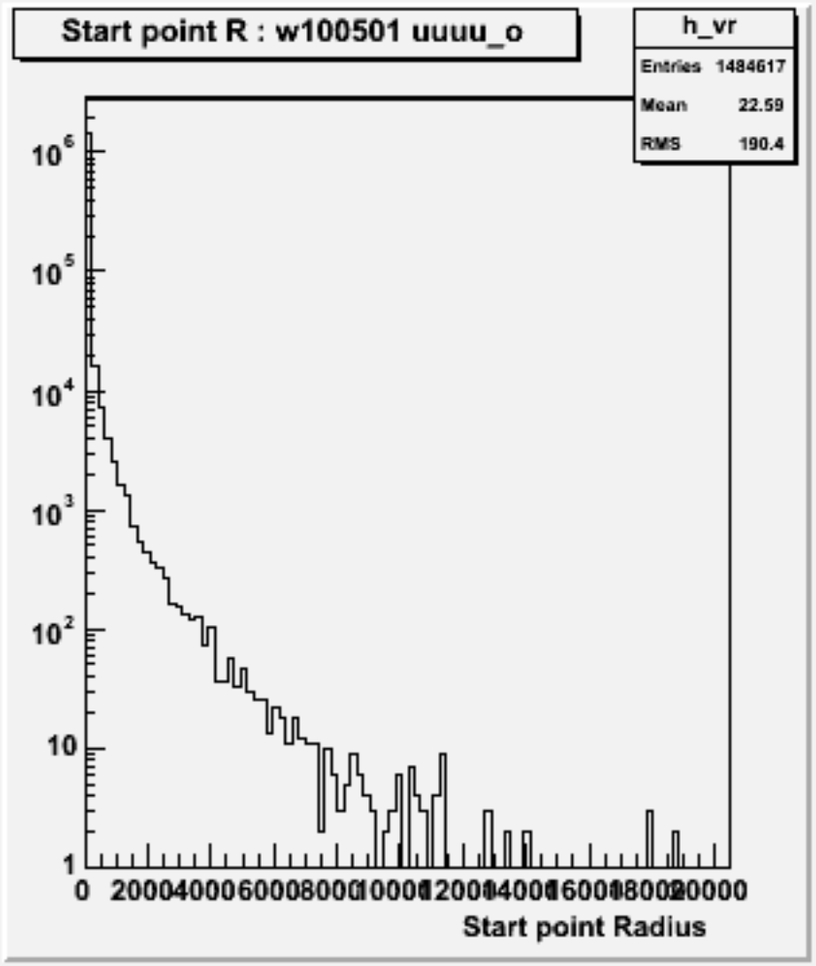

2jets mass(All comb)w100500 uuuu_o
ha_m01
Entries 241788
Mean 125.7
RMS 74.23
M(J_iJ_k) (GeV)

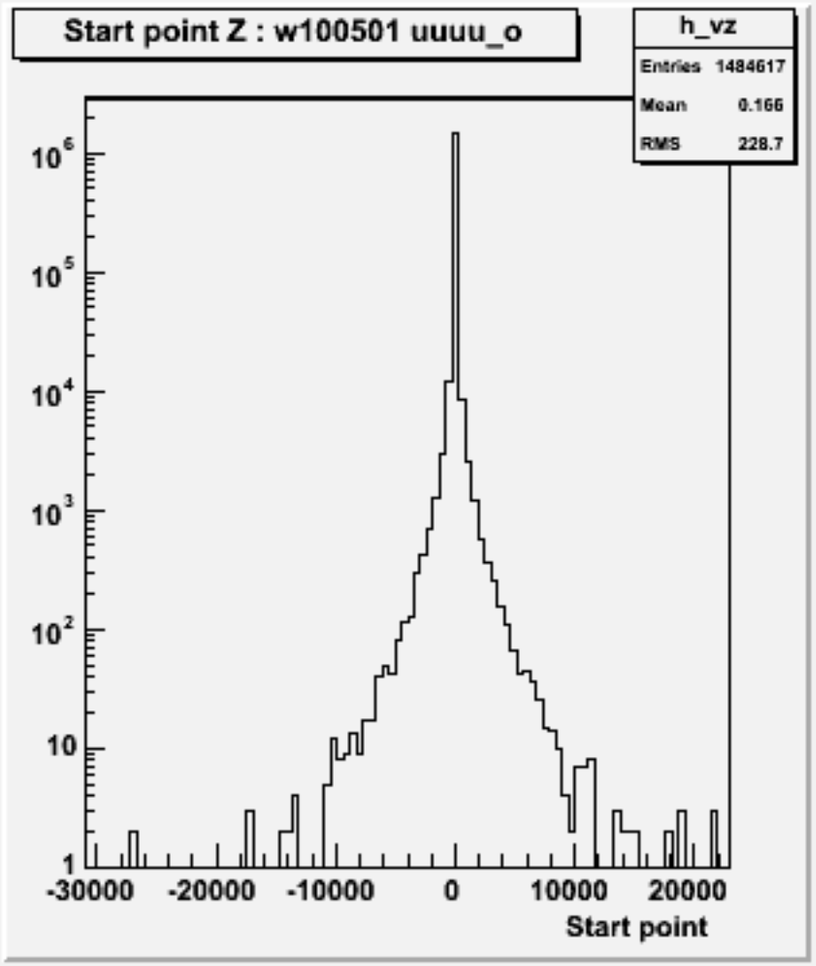

Particle ID : w100501 uuuu_o
h_id
Entries 1484617
Mean 13.27
RMS 550.9
Particle ID

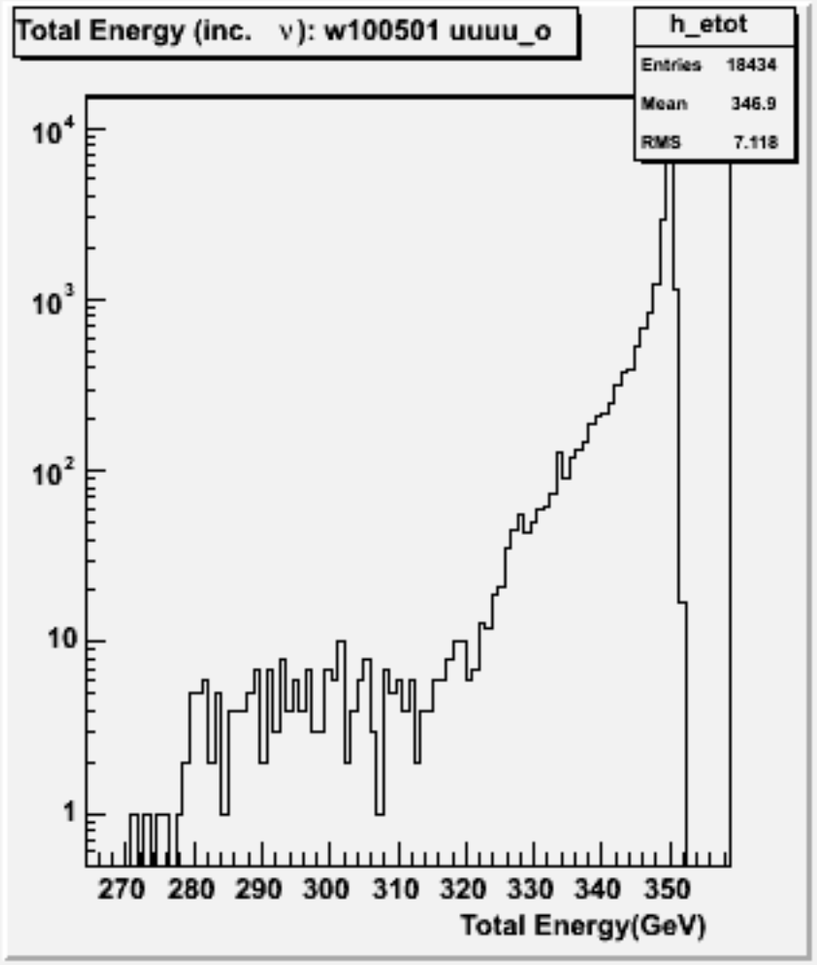

Particle Energy : w100501 uuuu_o
h_e
Entries 1484617
Mean 4.307
RMS 8.309
Energy(GeV)

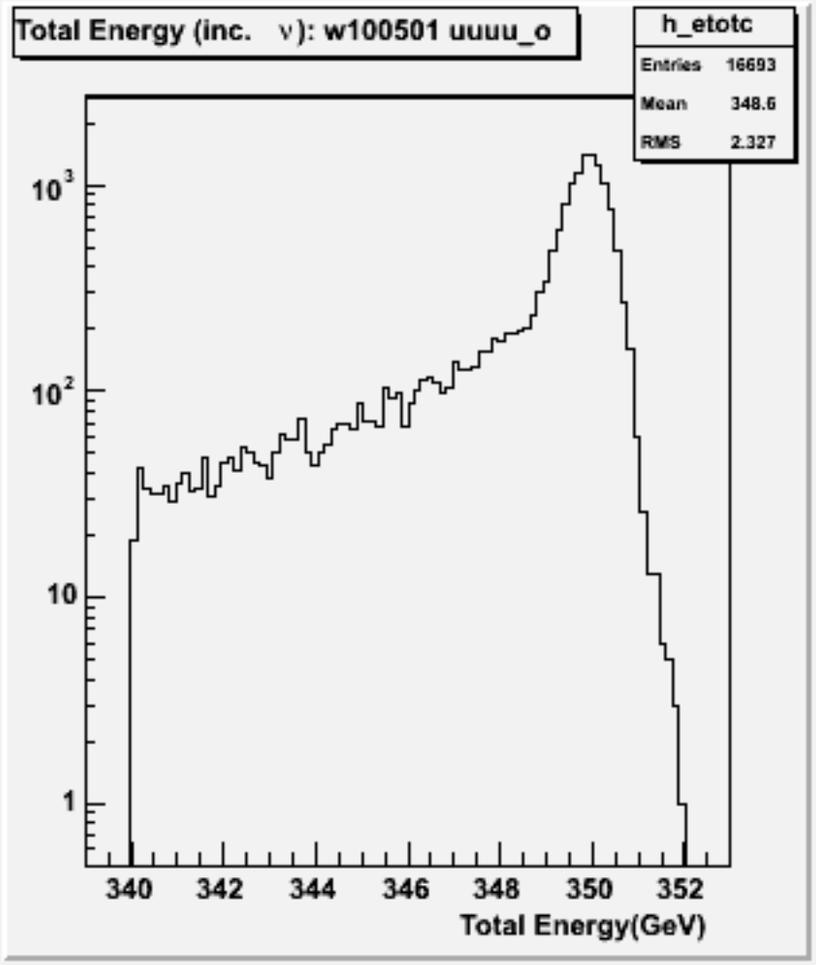

Particle Pt : w100501 uuuu_o
h_pt
Entries 1484617
Mean 2.495
RMS 4.933
Pt(GeV)

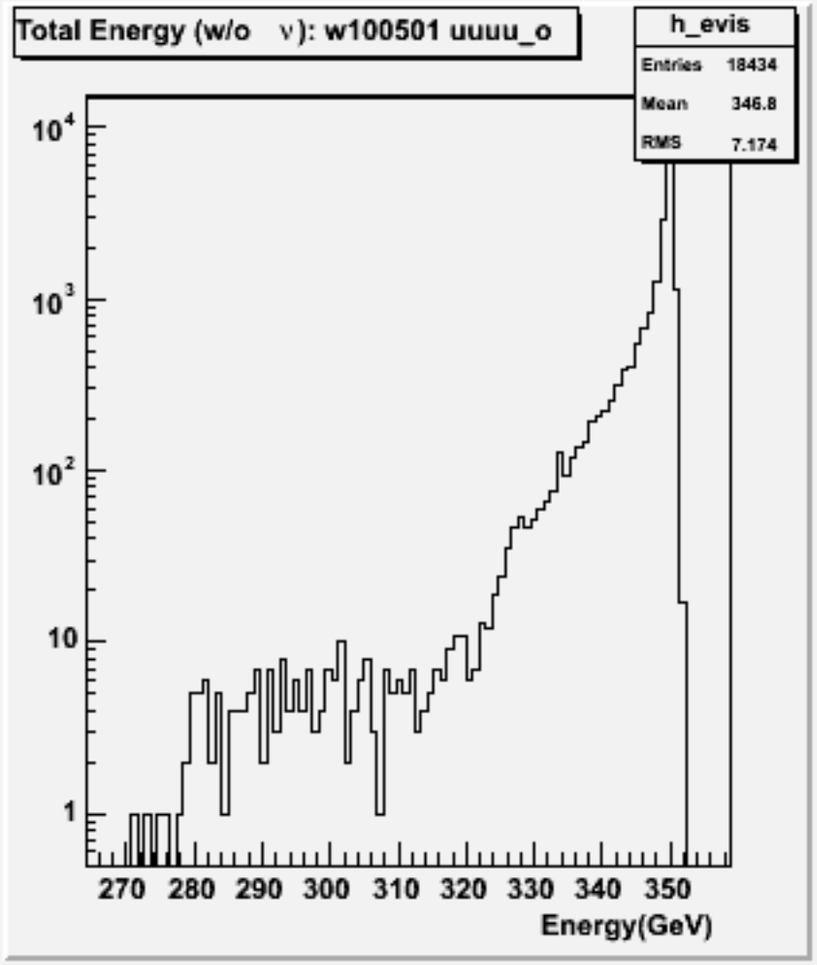

Particle cosθ : w100501 uuuu_o
h_cs
Entries 1484617
Mean 0.006764
RMS 0.702
cos θ

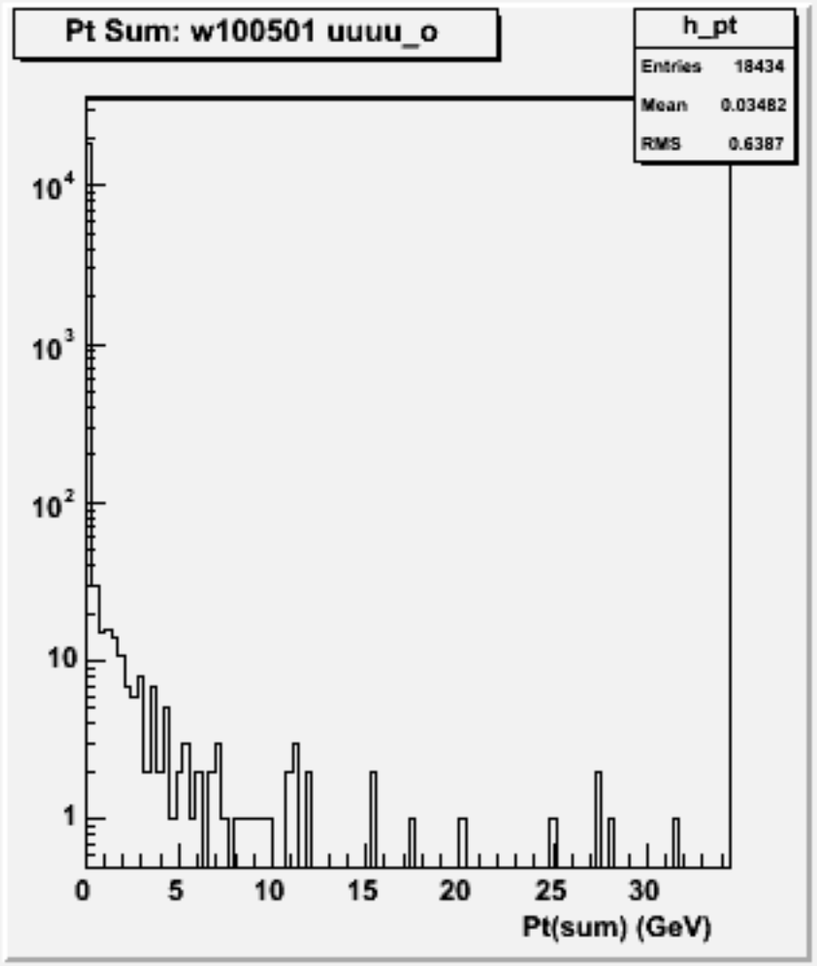

Start point R : w100501 uuuu_o
h_vr
Entries 1484617
Mean 22.59
RMS 190.4
Start point Radius

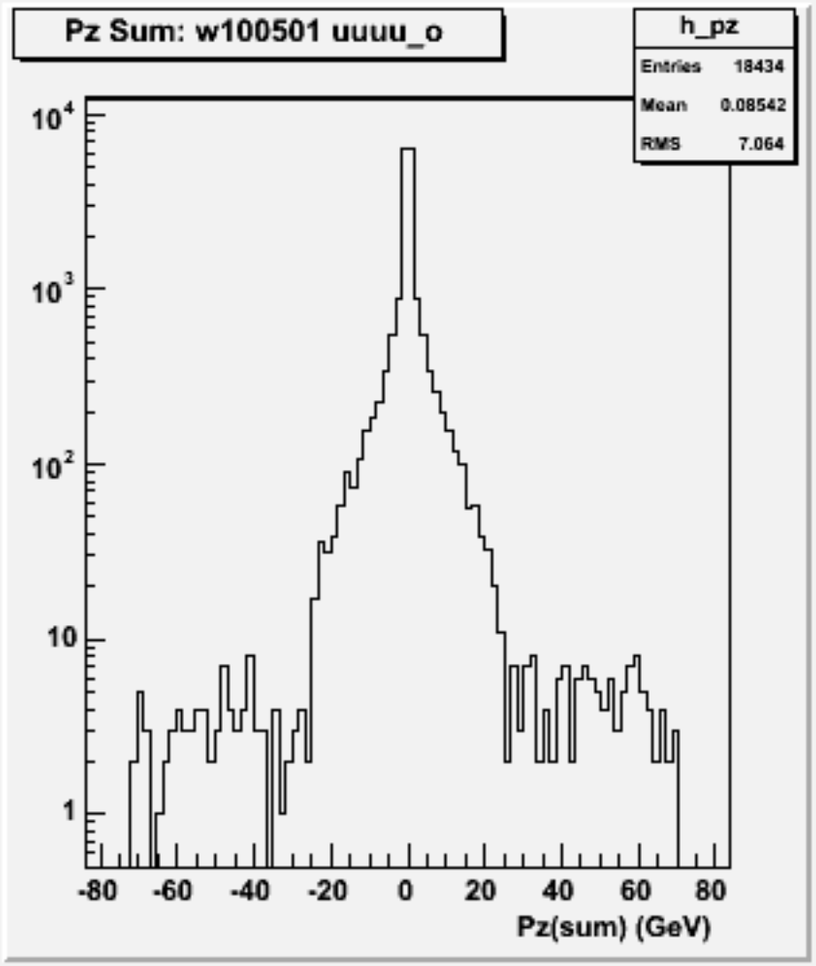

Start point Z : w100501 uuuu_o
h_vz
Entries 1484617
Mean 0.166
RMS 228.7
Start point

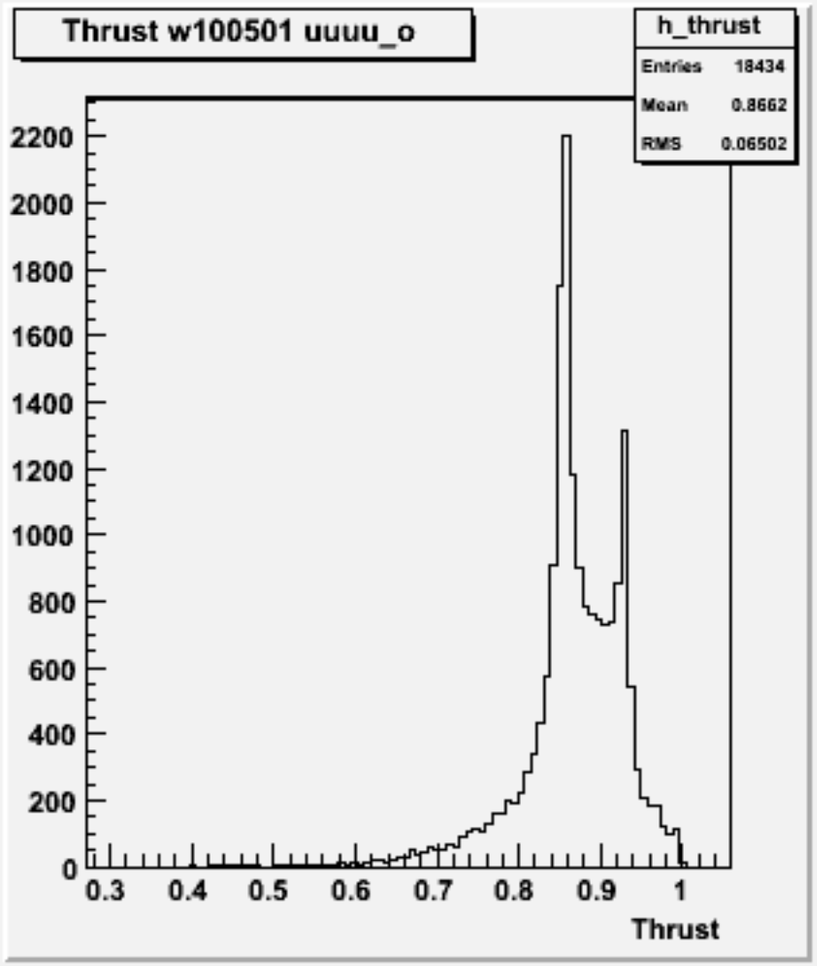

Total Energy (inc. ν): w100501 uuuu_o
h_etot
Entries 18434
Mean 346.9
RMS 7.118
Total Energy(GeV)

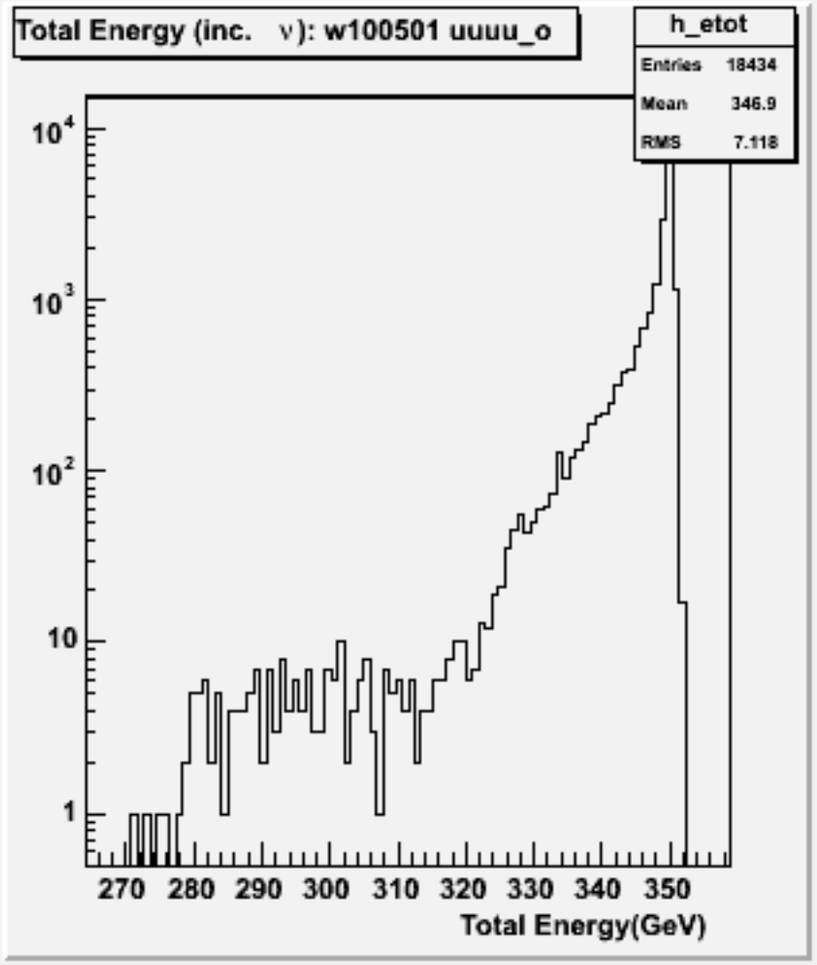

Total Energy (inc. ν): w100501 uuuu_o
h_etotc
Entries 16693
Mean 348.6
RMS 2.327
Total Energy(GeV)

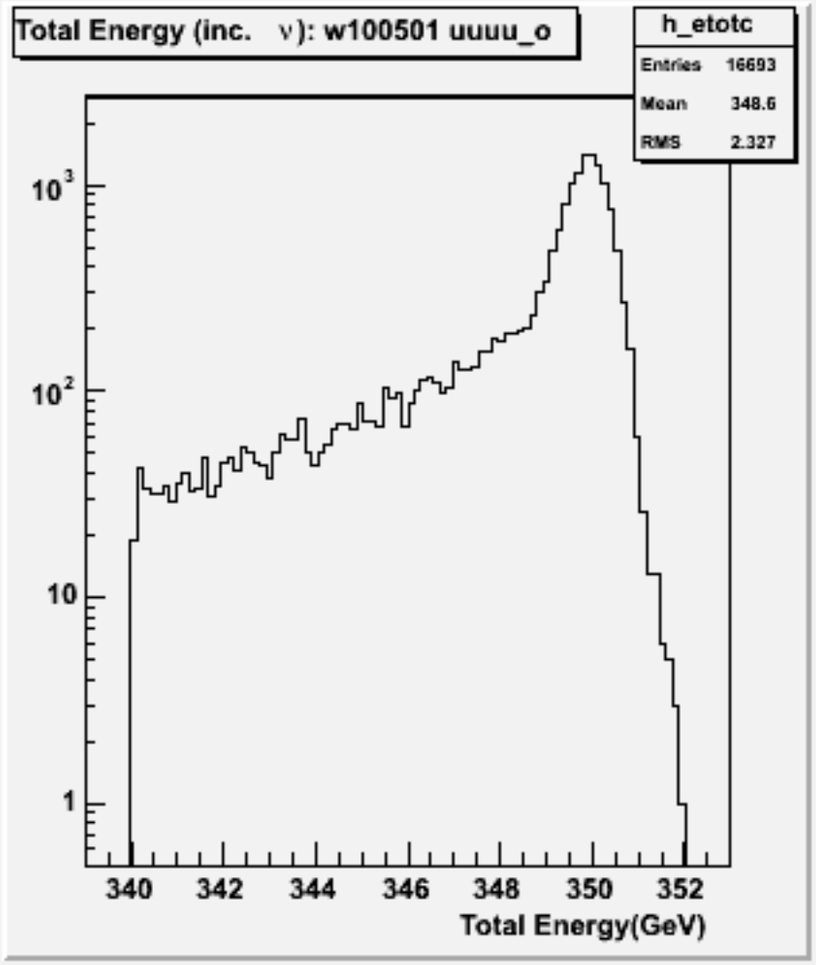

Total Energy (w/o ν): w100501 uuuu_o
h_evis
Entries 18434
Mean 346.8
RMS 7.174
Energy(GeV)

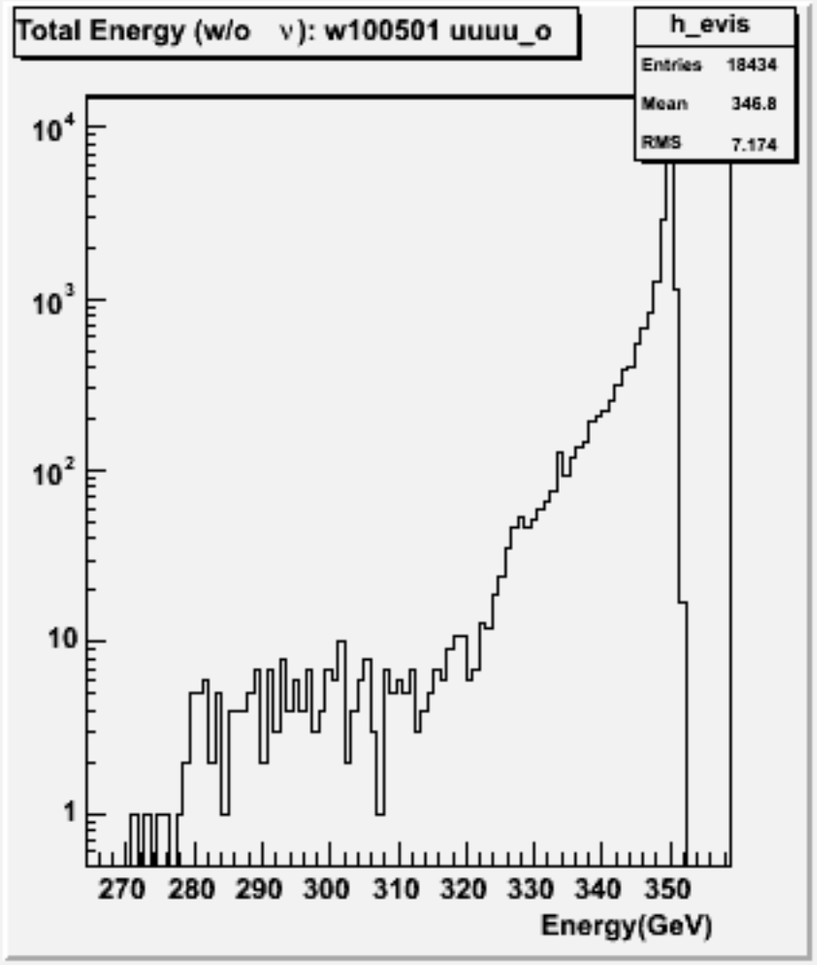

Pt Sum: w100501 uuuu_o
h_pt
Entries 18434
Mean 0.03482
RMS 0.6387
Pt(sum) (GeV)

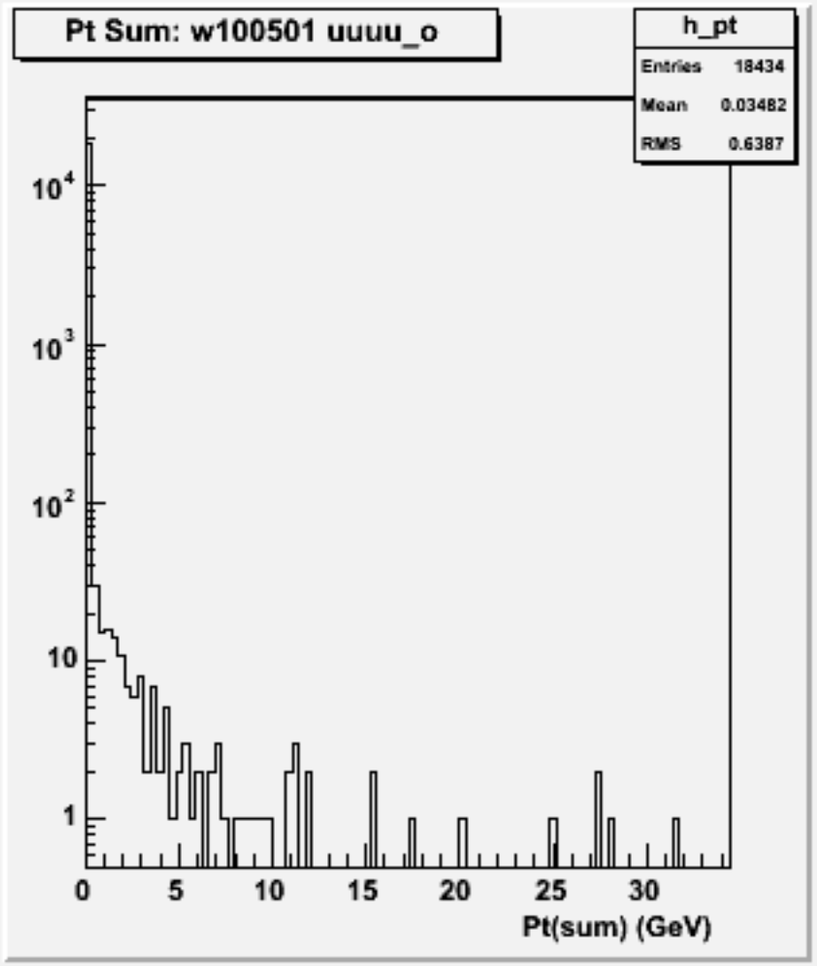

Pz Sum: w100501 uuuu_o
h_pz
Entries 18434
Mean 0.08542
RMS 7.064
Pz(sum) (GeV)

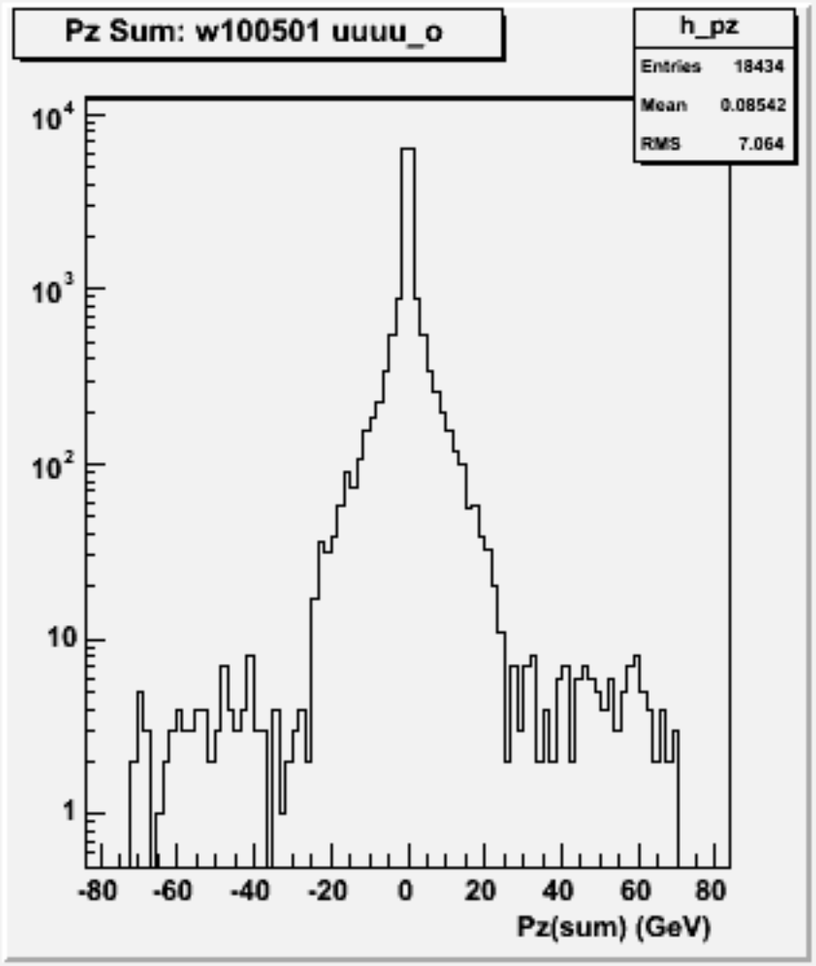

Thrust w100501 uuuu_o
h_thrust
Entries 18434
Mean 0.8662
RMS 0.06502
Thrust

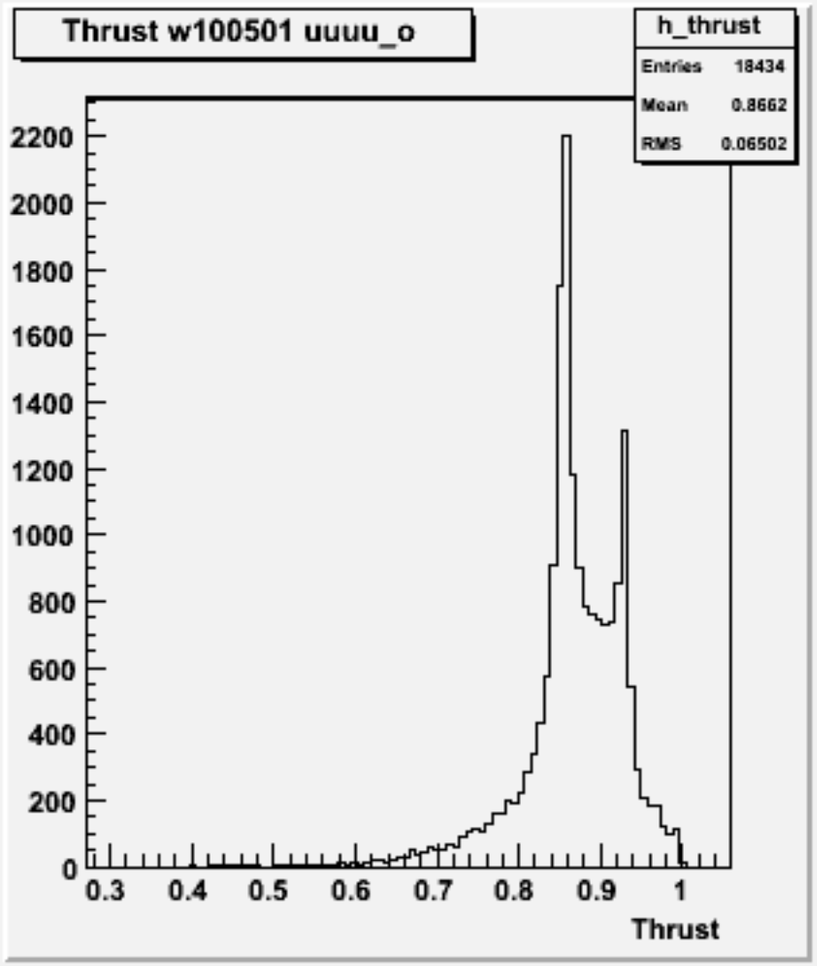

Total Energy (inc. ν): w100501 uuuu_o
h_etot
Entries 18434
Mean 346.9
RMS 7.118
Total Energy(GeV)

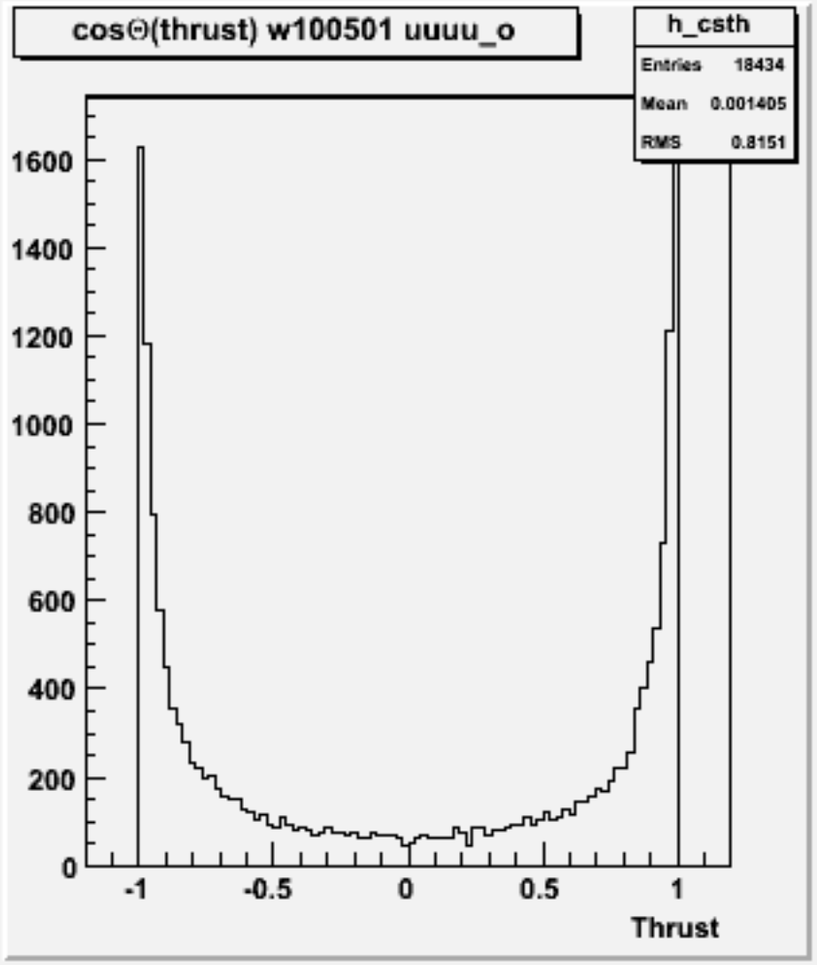

Total Energy (inc. ν): w100501 uuuu_o
h_etotc
Entries 16693
Mean 348.6
RMS 2.327
Total Energy(GeV)

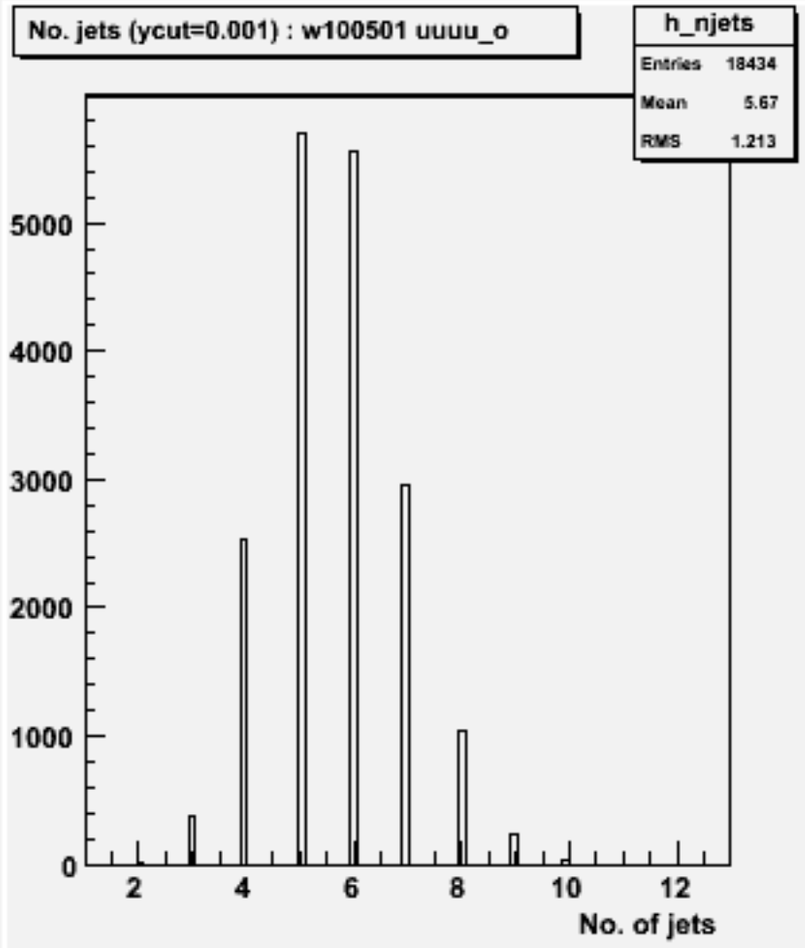

Total Energy (w/o ν): w100501 uuuu_o
h_evis
Entries 18434
Mean 346.8
RMS 7.174
Energy(GeV)

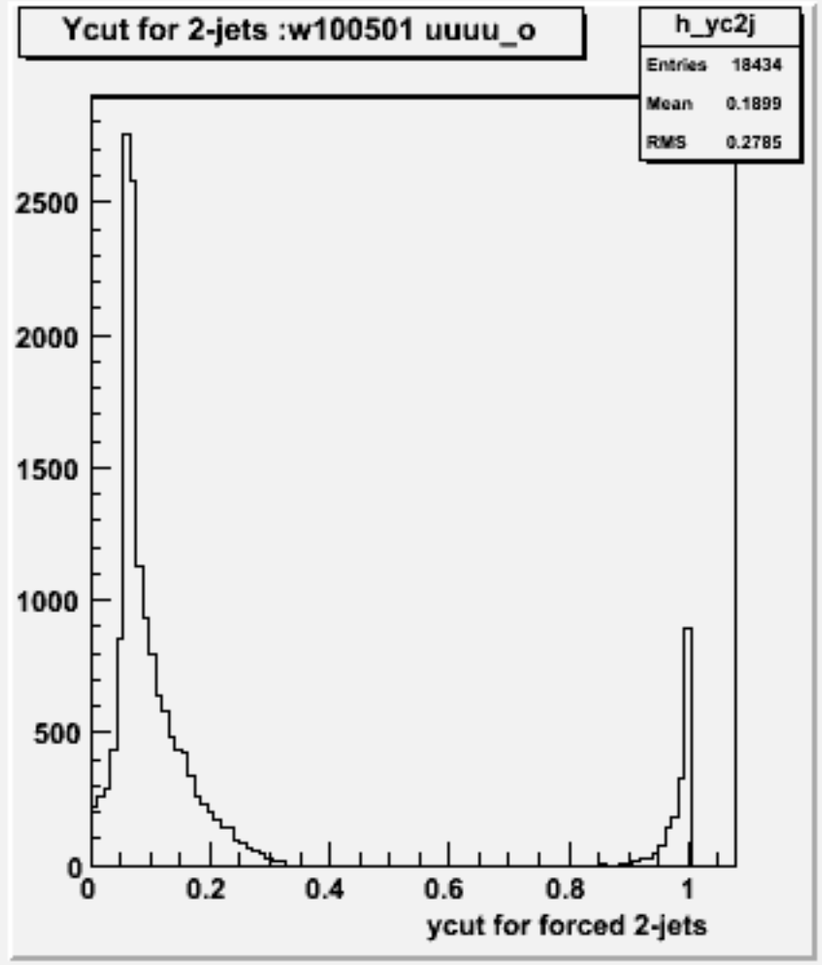

Pt Sum: w100501 uuuu_o
h_pt
Entries 18434
Mean 0.03482
RMS 0.6387
Pt(sum) (GeV)

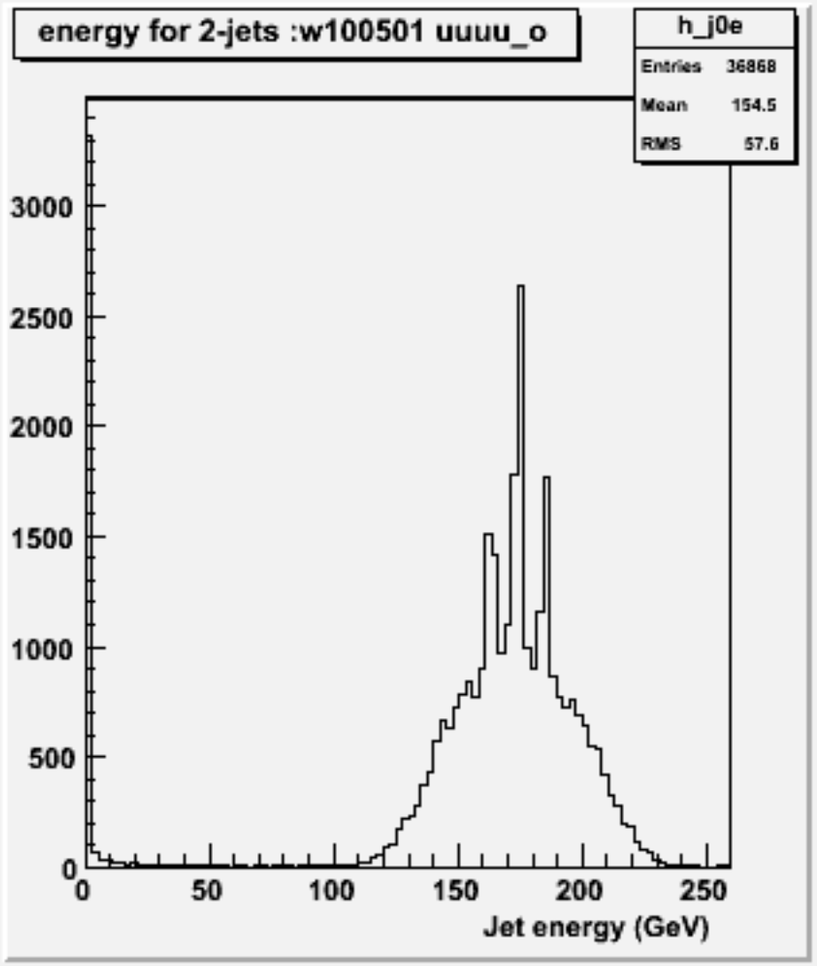

Pz Sum: w100501 uuuu_o
h_pz
Entries 18434
Mean 0.08542
RMS 7.064
Pz(sum) (GeV)

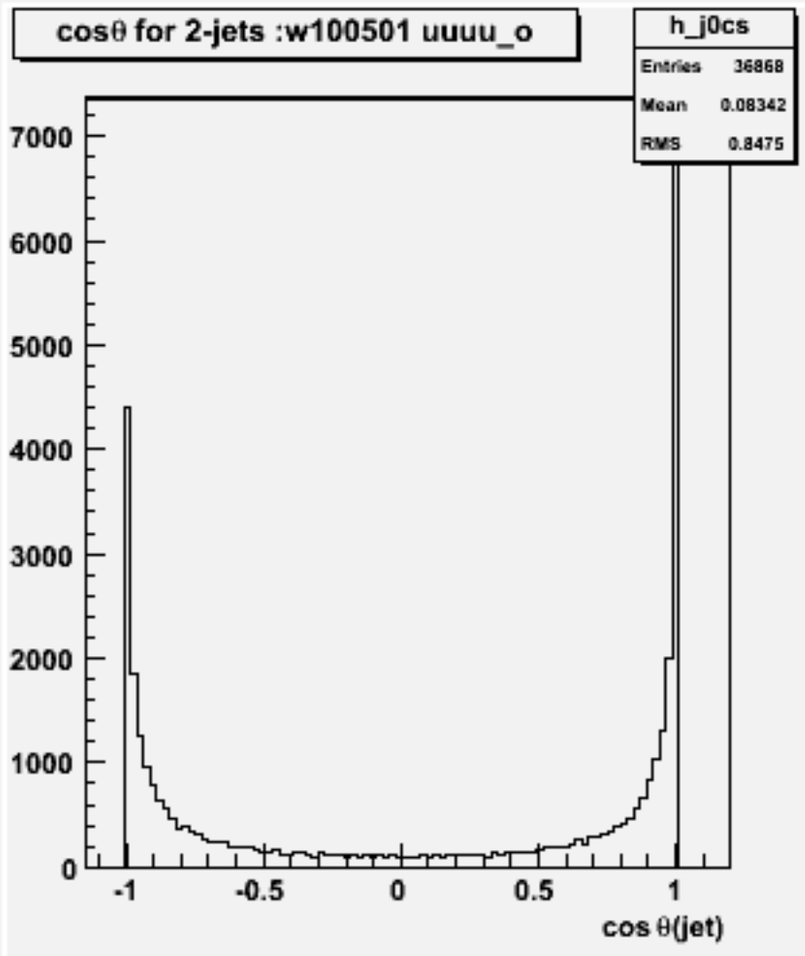

Thrust w100501 uuuu_o
h_thrust
Entries 18434
Mean 0.8662
RMS 0.06502
Thrust

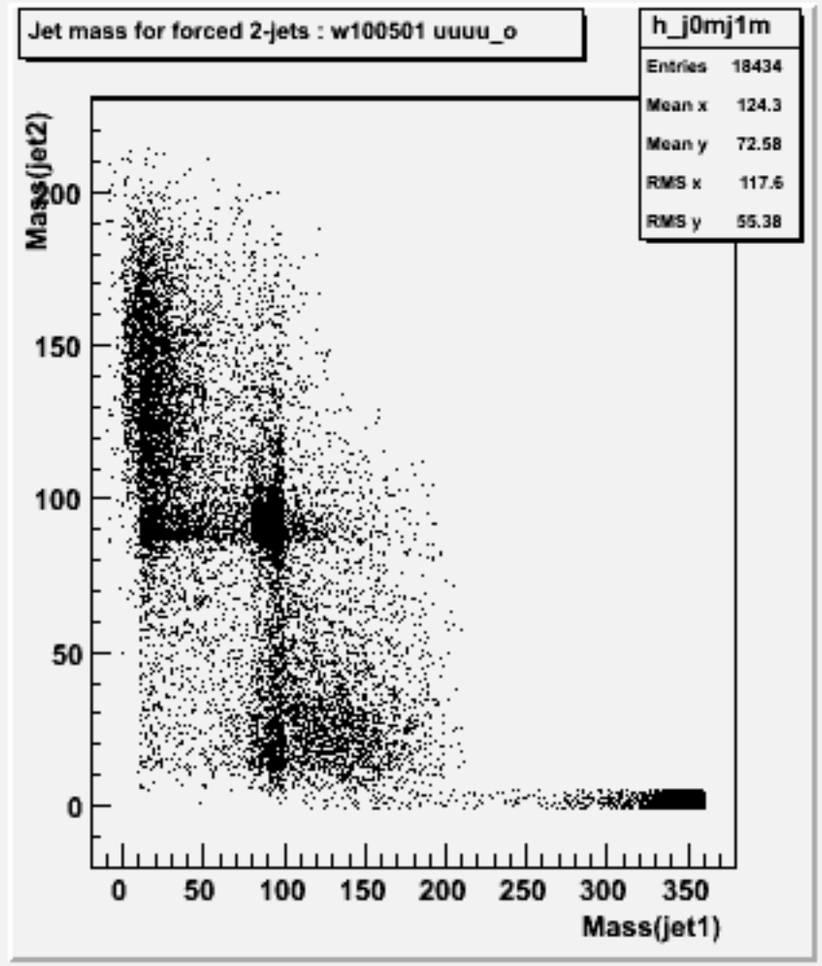

cosΘ(thrust) w100501 uuuu_o
h_csth
Entries 18434
Mean 0.001405
RMS 0.8151
Thrust

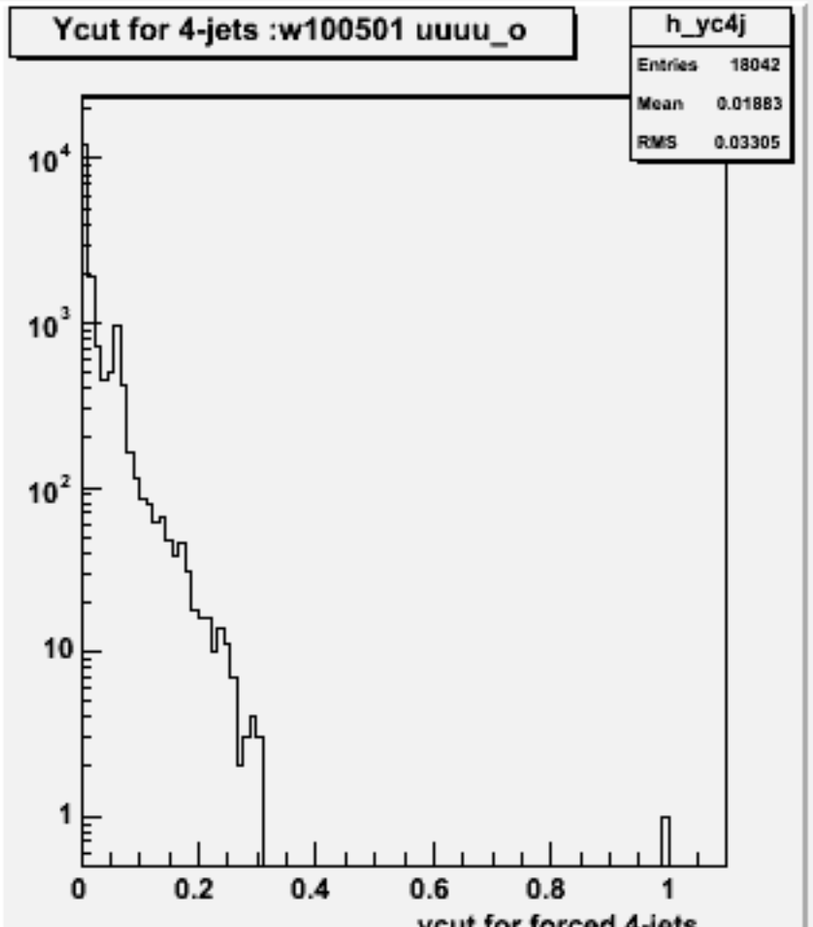

No. jets (ycut=0.001) : w100501 uuuu_o
h_njets
Entries 18434
Mean 5.67
RMS 1.213
No. of jets

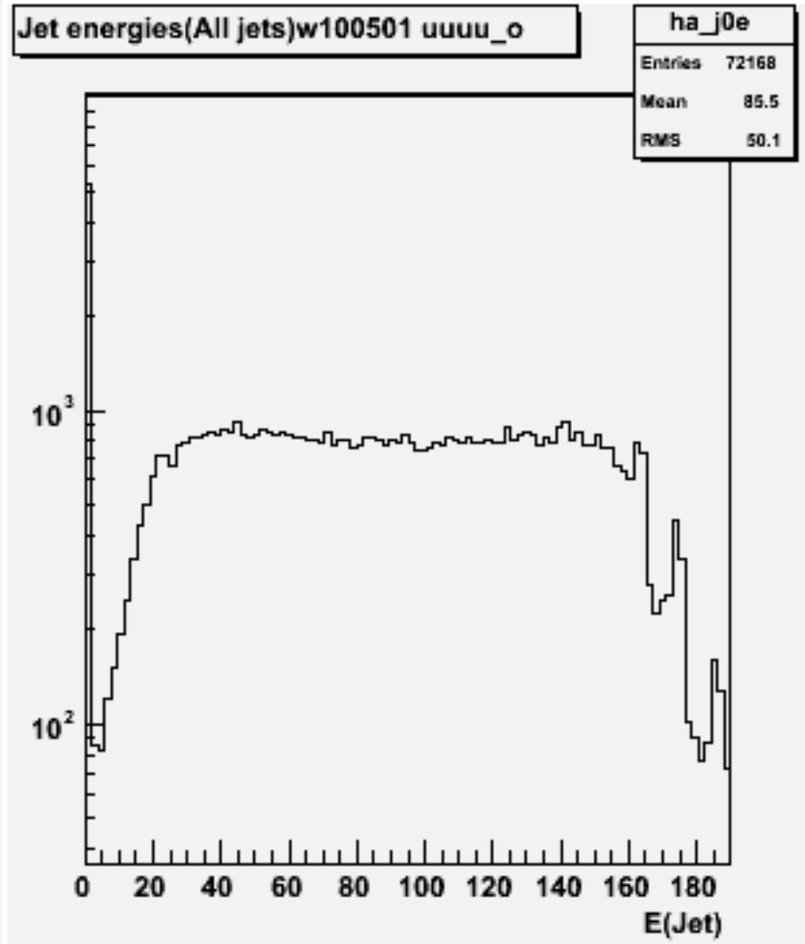

Ycut for 2-jets :w100501 uuuu_o
h_yc2j
Entries 18434
Mean 0.1899
RMS 0.2785
ycut for forced 2-jets

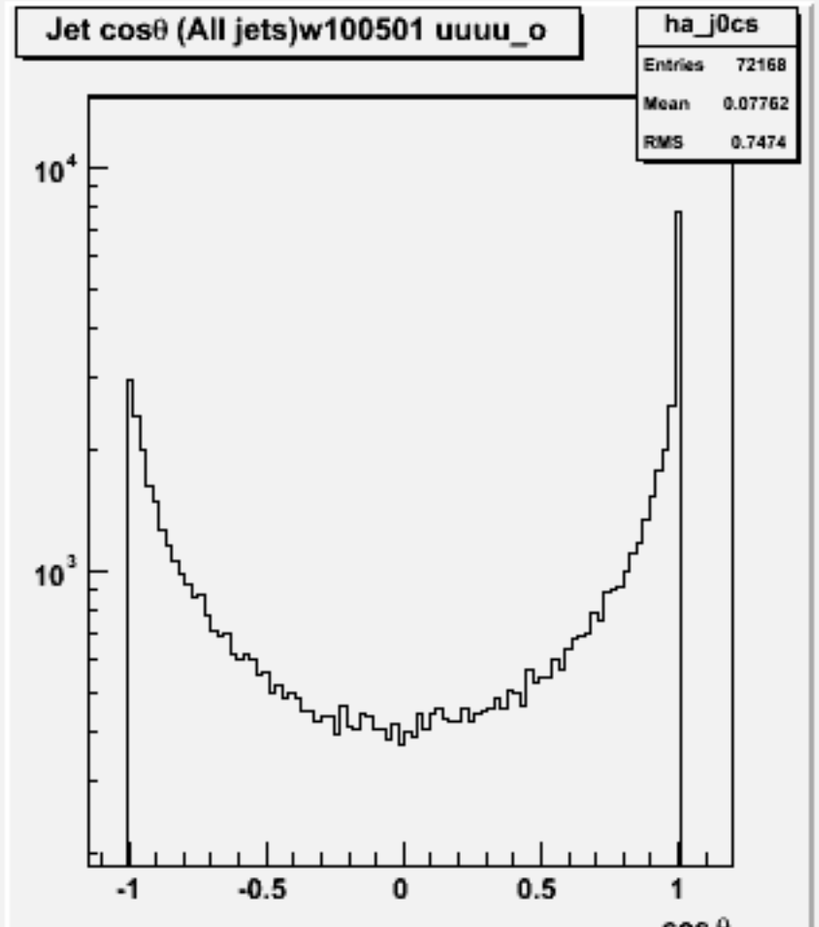

energy for 2-jets :w100501 uuuu_o
h_j0e
Entries 36868
Mean 154.5
RMS 57.6
Jet energy (GeV)

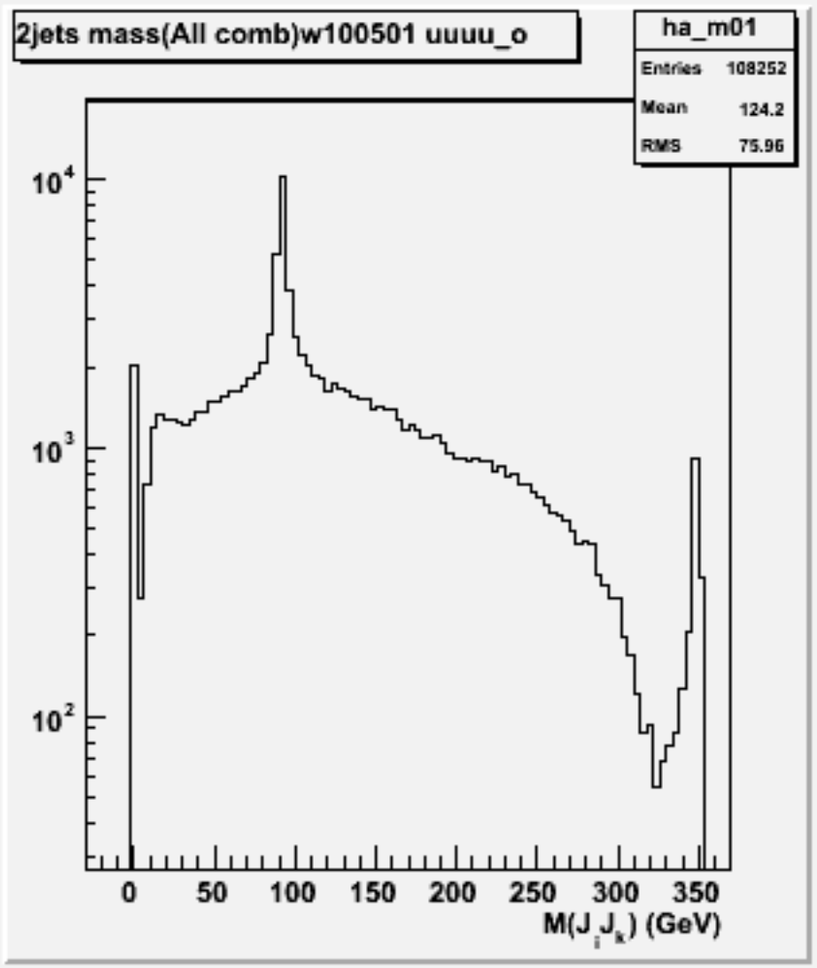

cosθ for 2-jets :w100501 uuuu_o
h_j0cs
Entries 36868
Mean 0.08342
RMS 0.8475
cos θ(jet)

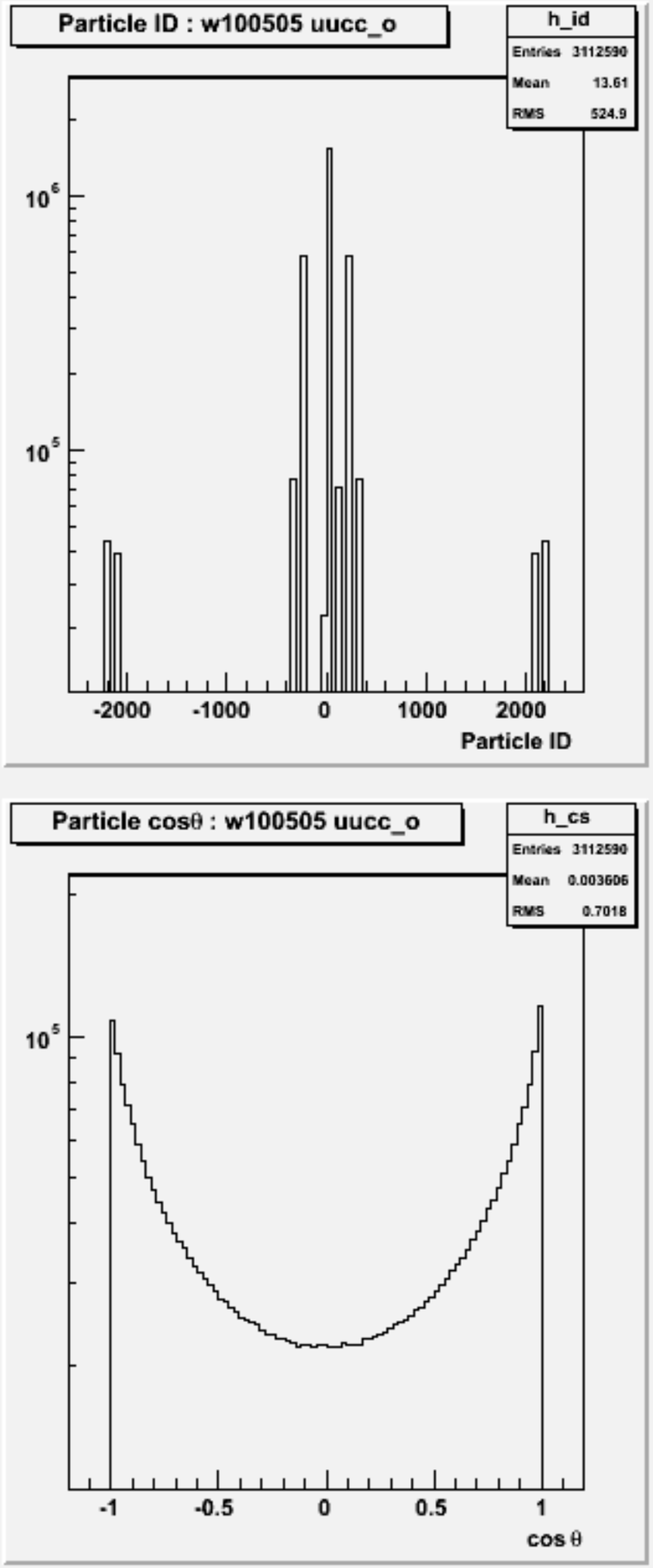

Jet mass for forced 2-jets : w100501 uuuu_o
h_j0mj1m
Entries 18434
Mean x 124.3
Mean y 72.58
RMS x 117.6
RMS y 55.38
Mass(jet2)
Mass(jet1)

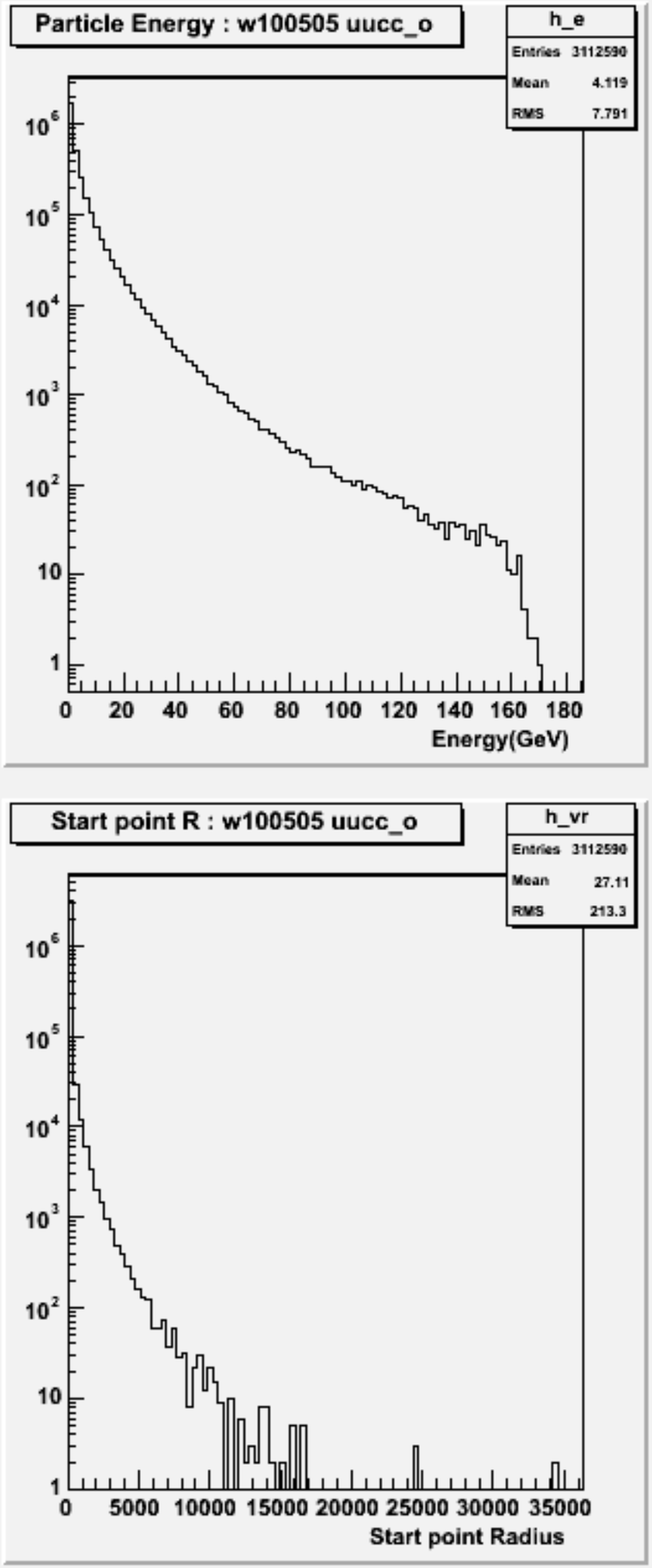

Ycut for 4-jets :w100501 uuuu_o
h_yc4j
Entries 18042
Mean 0.01883
RMS 0.03305
ycut for forced 4-jets

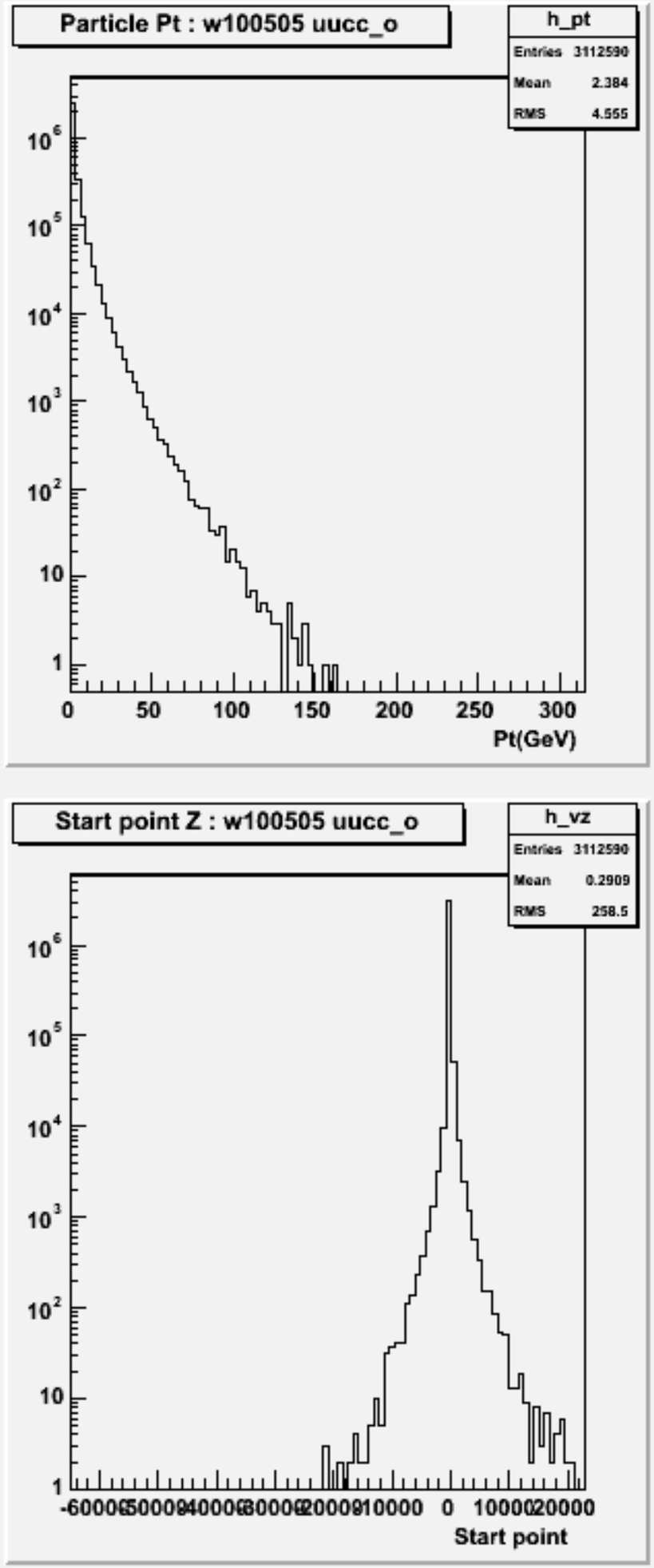

Jet energies(All jets)w100501 uuuu_o
ha_j0e
Entries 72168
Mean 85.5
RMS 50.1
E(Jet)


Jet cosθ (All jets)w100501 uuuu_o
ha_j0cs
Entries 72168
Mean 0.07762
RMS 0.7474
cos θ


2jets mass(All comb)w100501 uuuu_o
ha_m01
Entries 108252
Mean 124.2
RMS 75.96
M(J_iJ_k) (GeV)


Particle ID : w100505 uucc_o
h_id
Entries 3112590
Mean 13.61
RMS 524.9
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

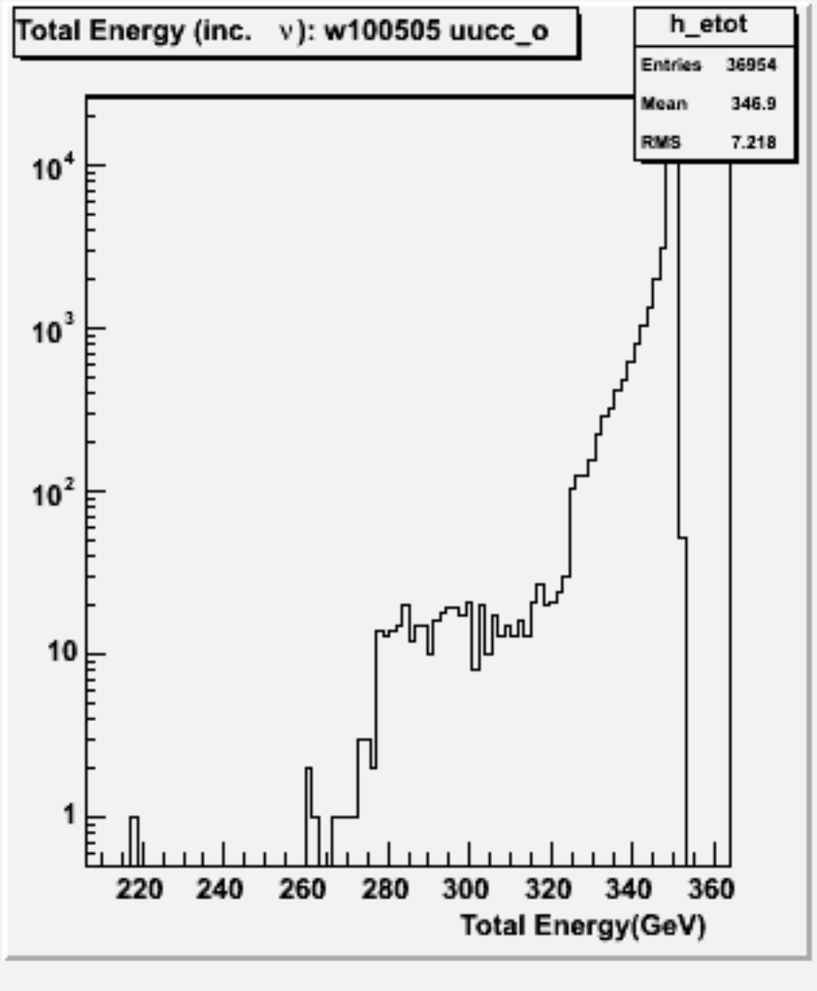

Particle Energy : w100505 uucc_o
h_e
Entries 3112590
Mean 4.119
RMS 7.791
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

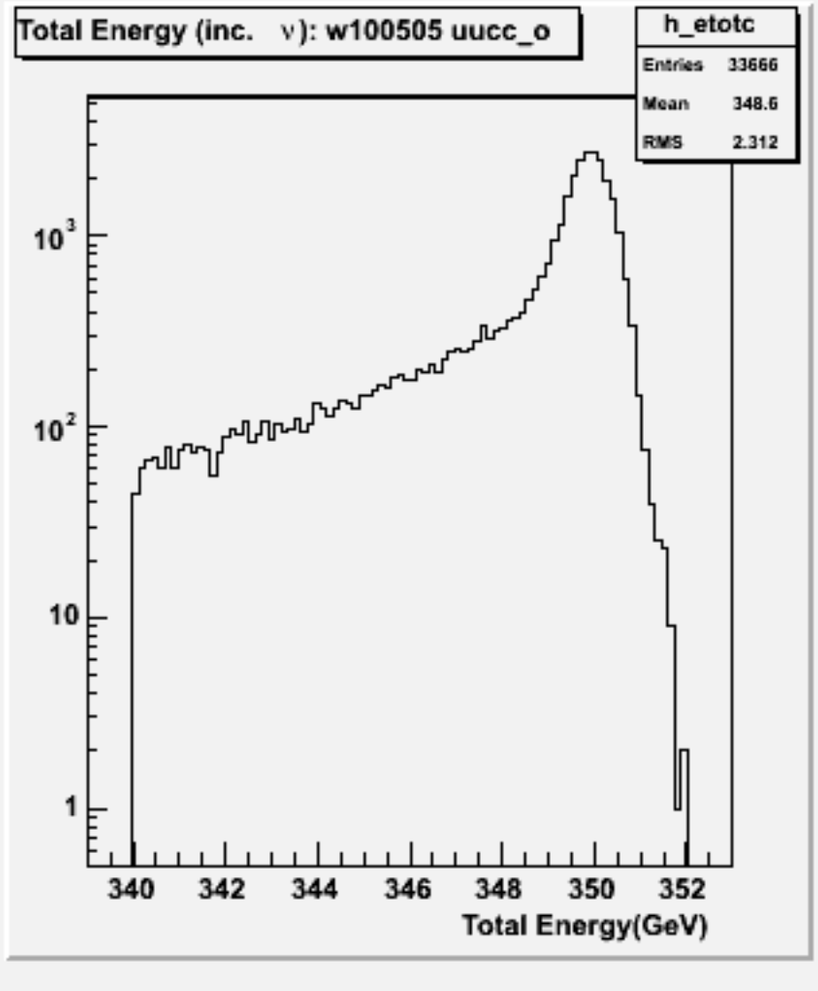

Particle Pt : w100505 uucc_o
h_pt
Entries 3112590
Mean 2.384
RMS 4.555
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
300
Pt(GeV)

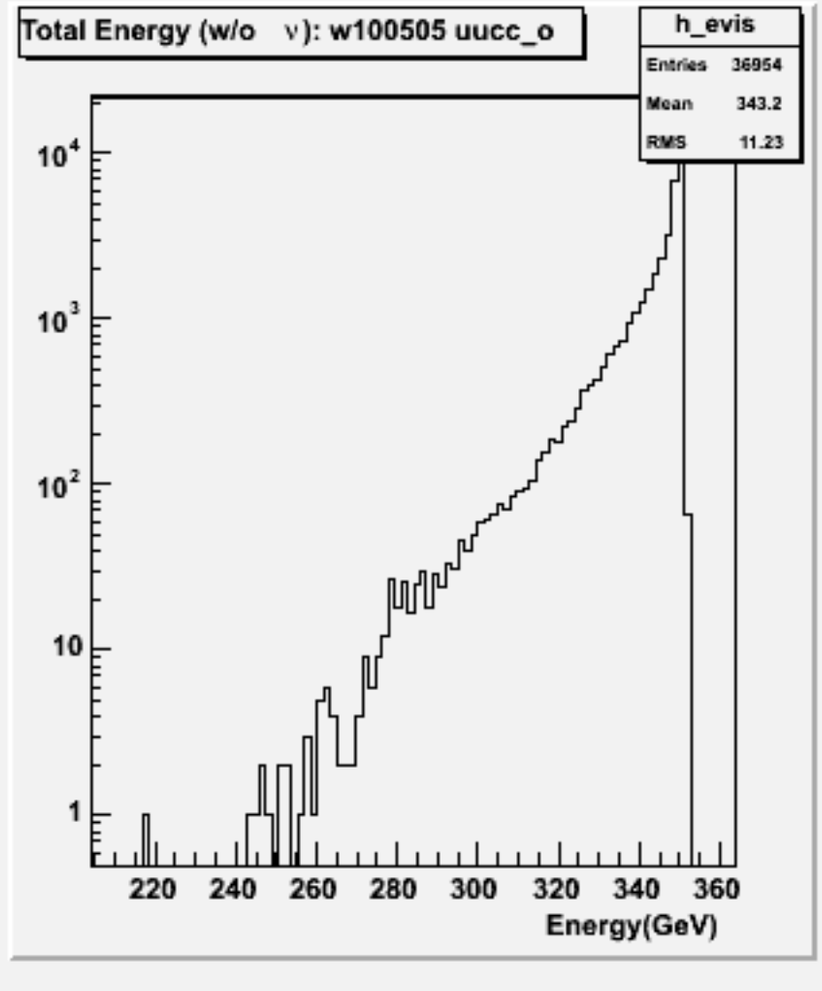
Particle cosθ : w100505 uucc_o
h_cs
Entries 3112590
Mean 0.003606
RMS 0.7018
10^5
-1
-0.5
0
0.5
1
cos θ

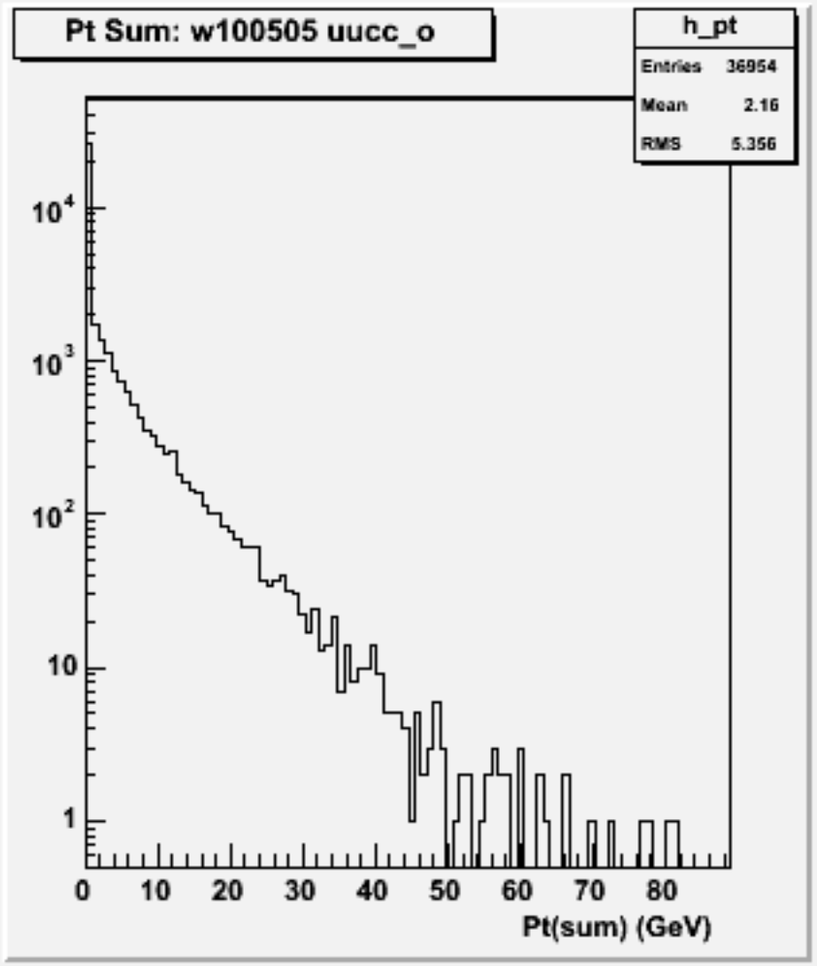
Start point R : w100505 uucc_o
h_vr
Entries 3112590
Mean 27.11
RMS 213.3
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
Start point Radius

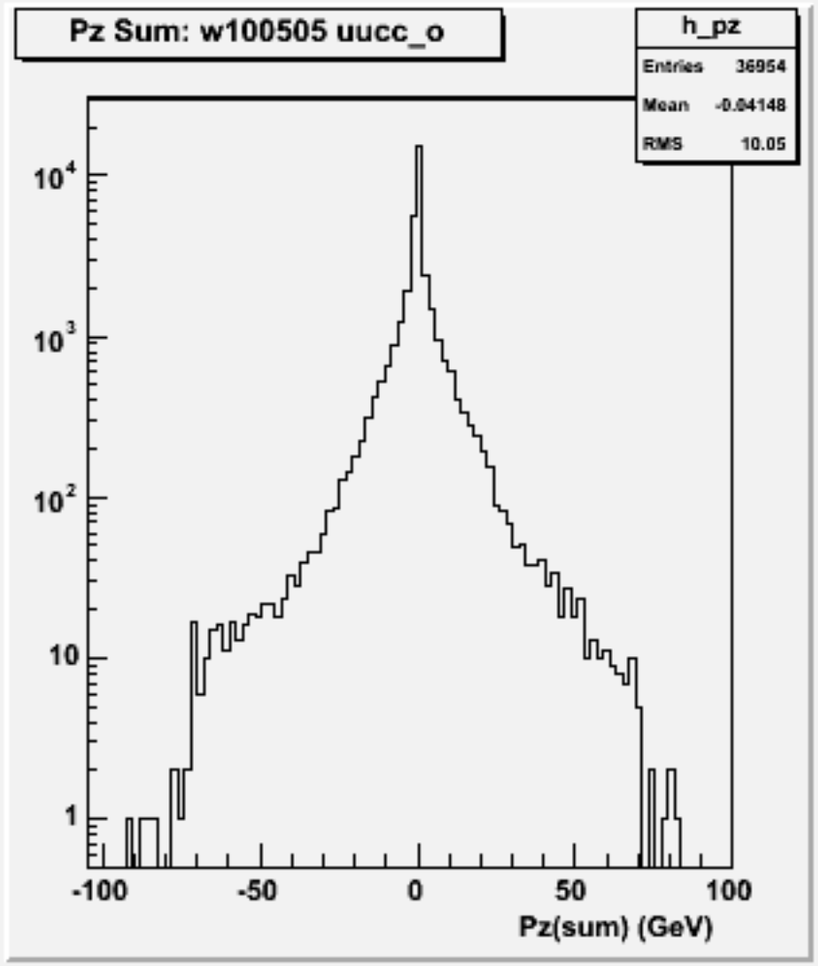
Start point Z : w100505 uucc_o
h_vz
Entries 3112590
Mean 0.2909
RMS 258.5
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
Start point

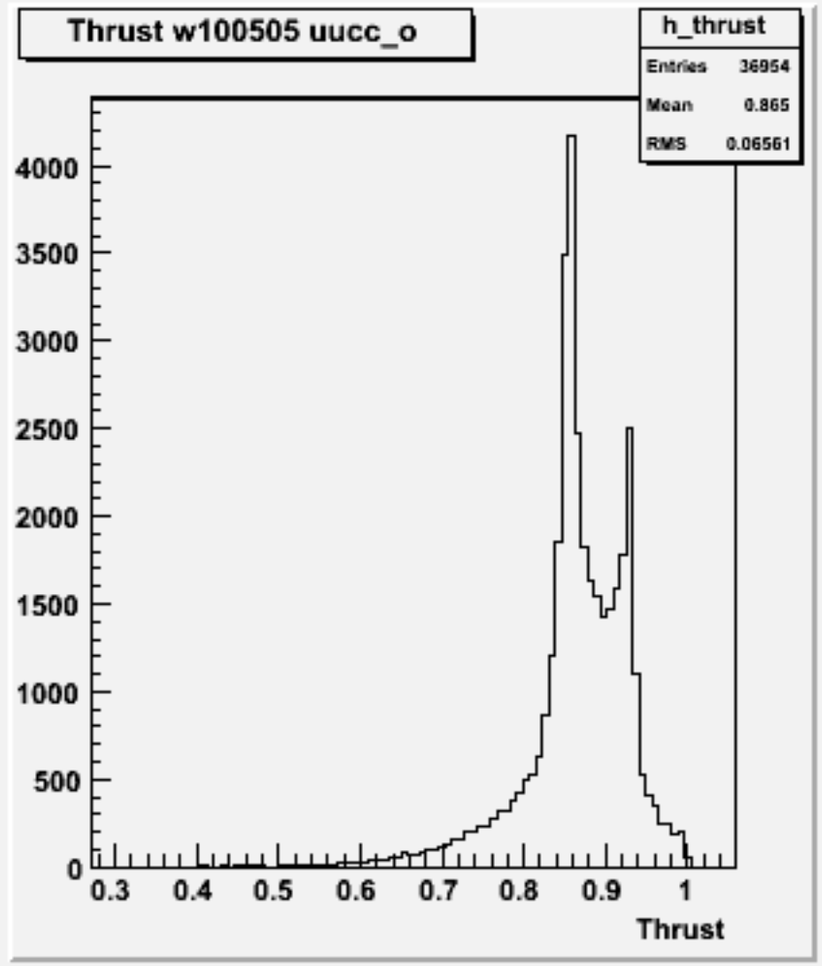

Total Energy (inc. ν): w100505 uucc_o
h_etot
Entries 36954
Mean 346.9
RMS 7.218
Total Energy(GeV)

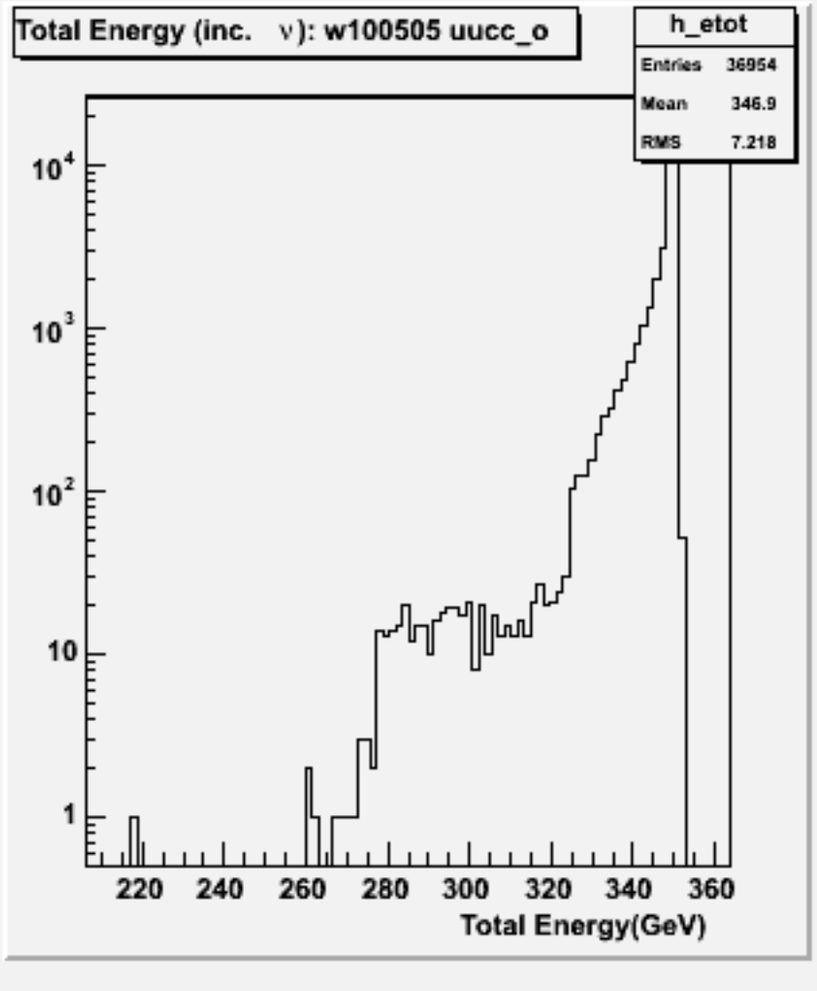

Total Energy (inc. ν): w100505 uucc_o
h_etotc
Entries 33666
Mean 348.6
RMS 2.312
Total Energy(GeV)

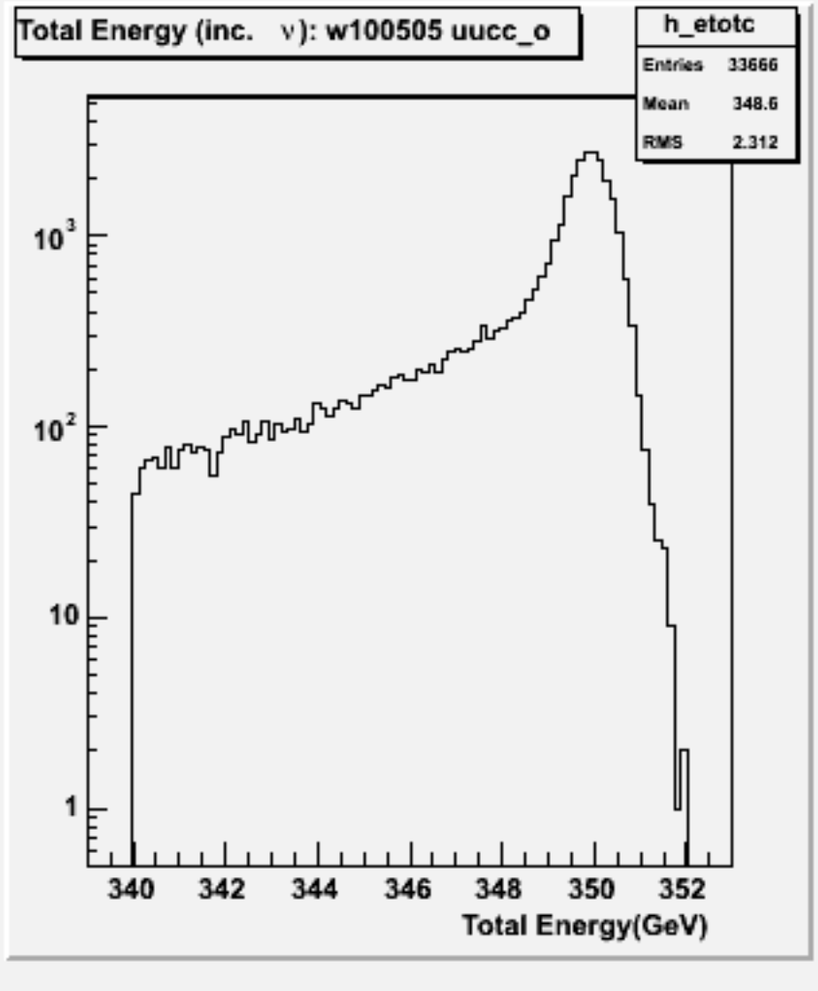

Total Energy (w/o ν): w100505 uucc_o
h_evis
Entries 36954
Mean 343.2
RMS 11.23
Energy(GeV)

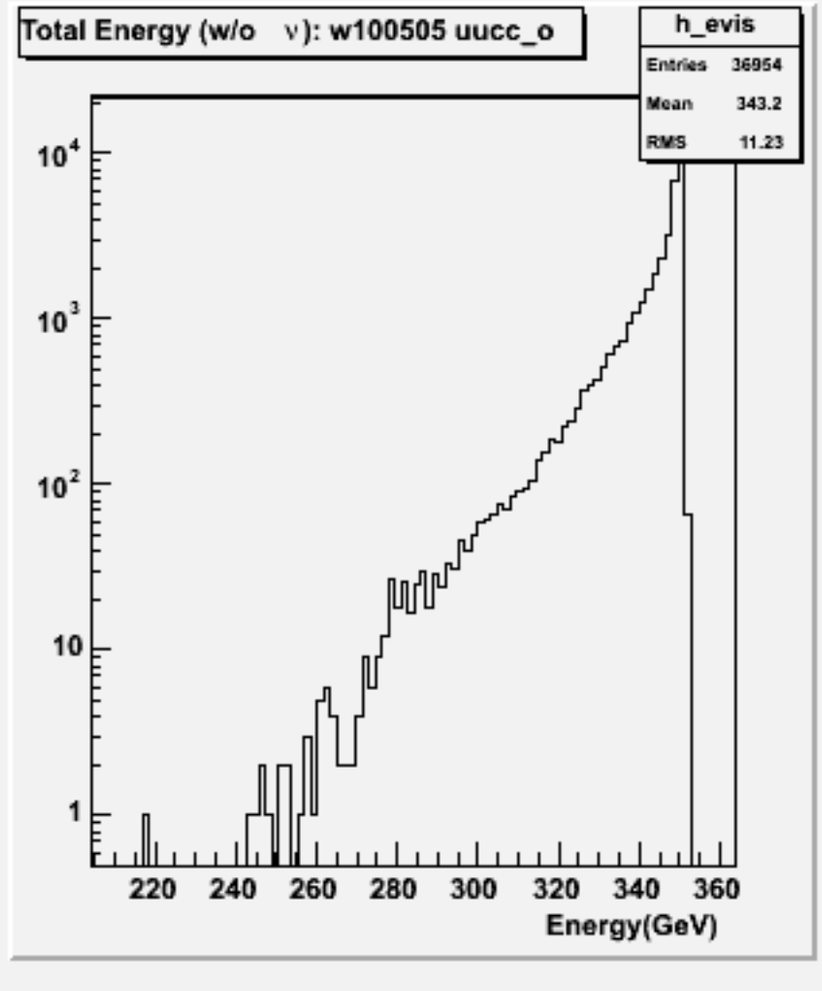

Pt Sum: w100505 uucc_o
h_pt
Entries 36954
Mean 2.16
RMS 5.356
Pt(sum) (GeV)

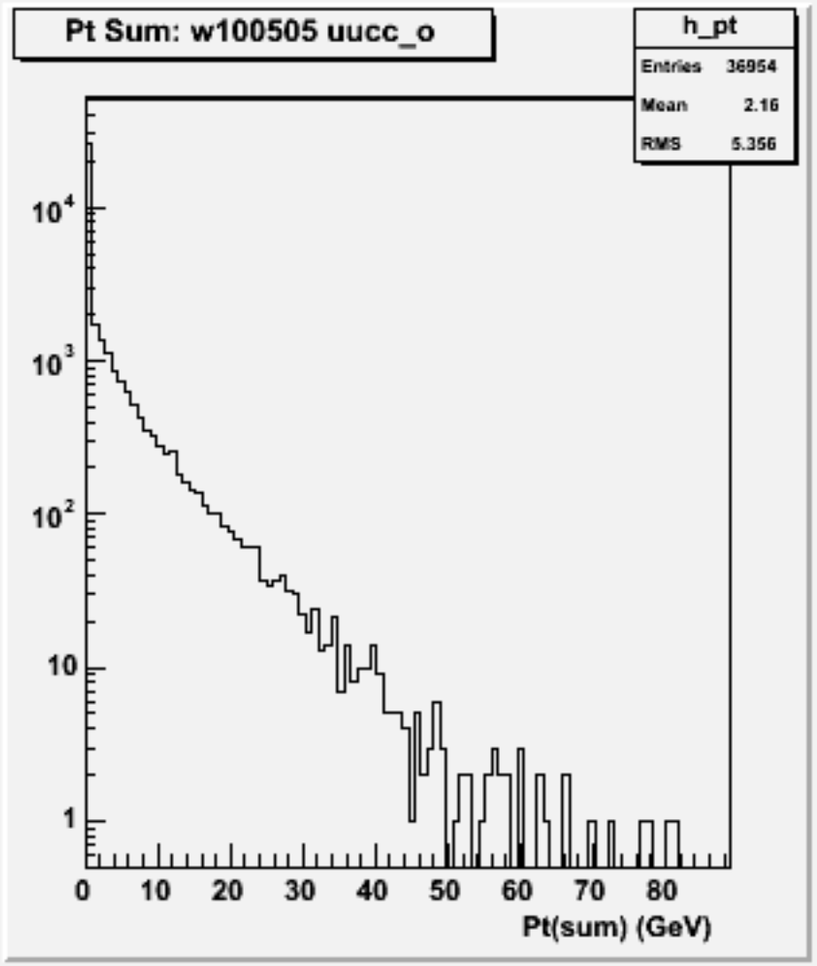

Pz Sum: w100505 uucc_o
h_pz
Entries 36954
Mean -0.04148
RMS 10.05
Pz(sum) (GeV)

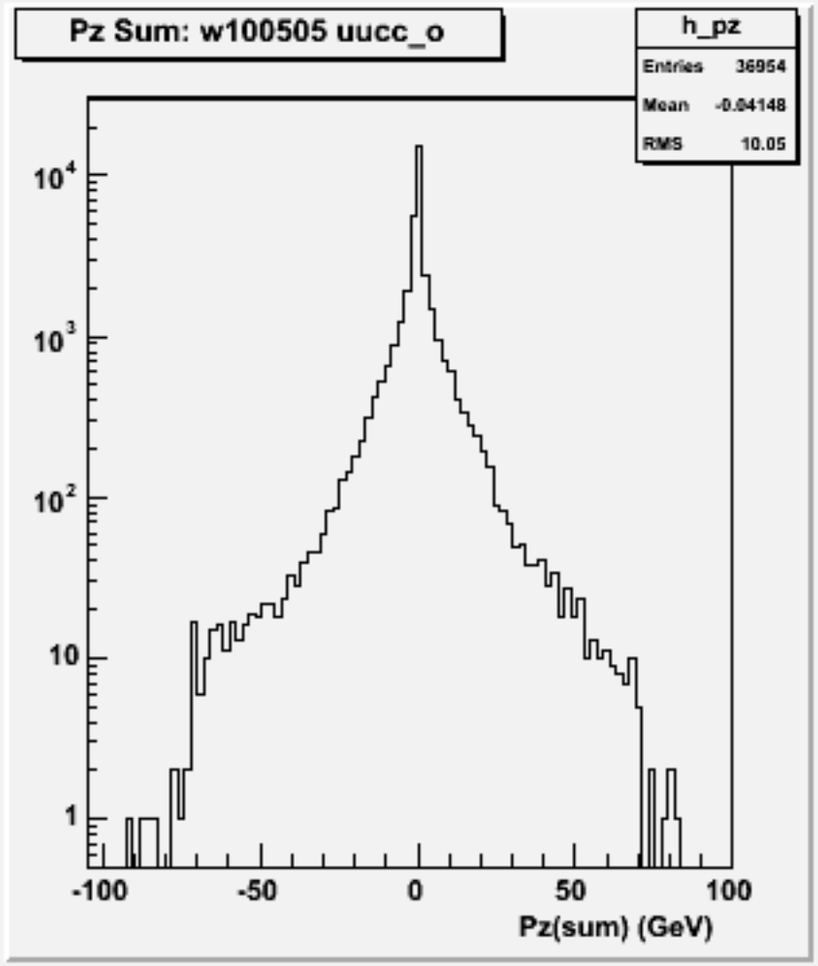

Thrust w100505 uucc_o
h_thrust
Entries 36954
Mean 0.865
RMS 0.06561
Thrust

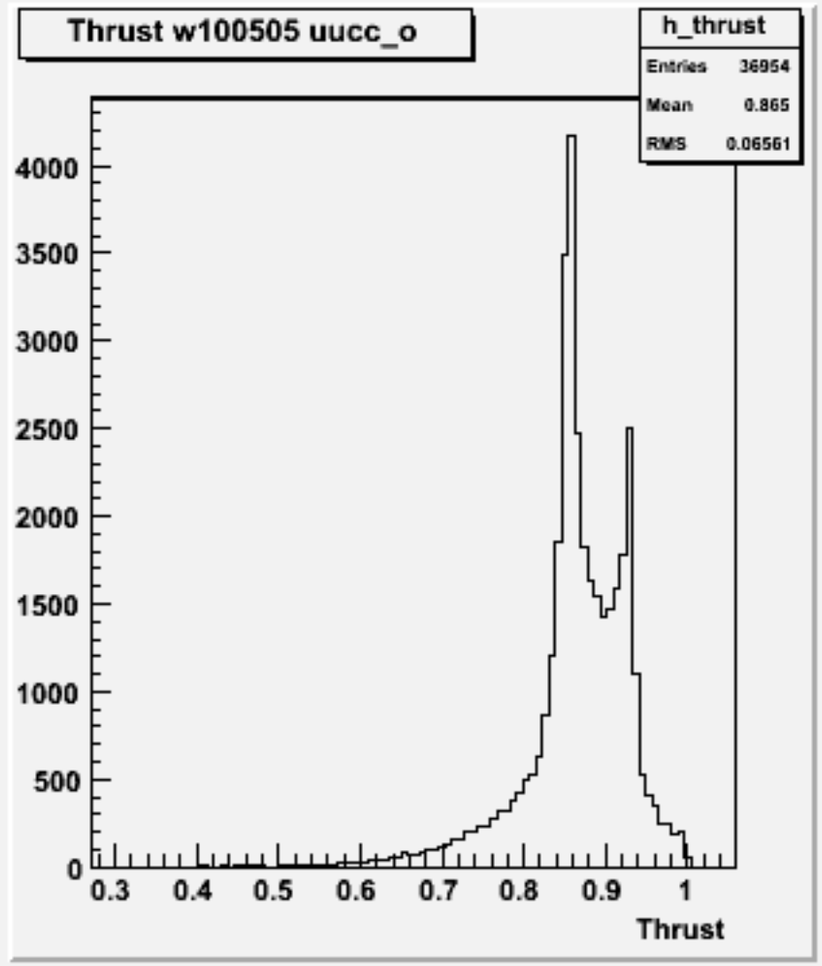

Total Energy (inc. ν): w100505 uucc_o
h_etot
Entries 36954
Mean 346.9
RMS 7.218
Total Energy(GeV)

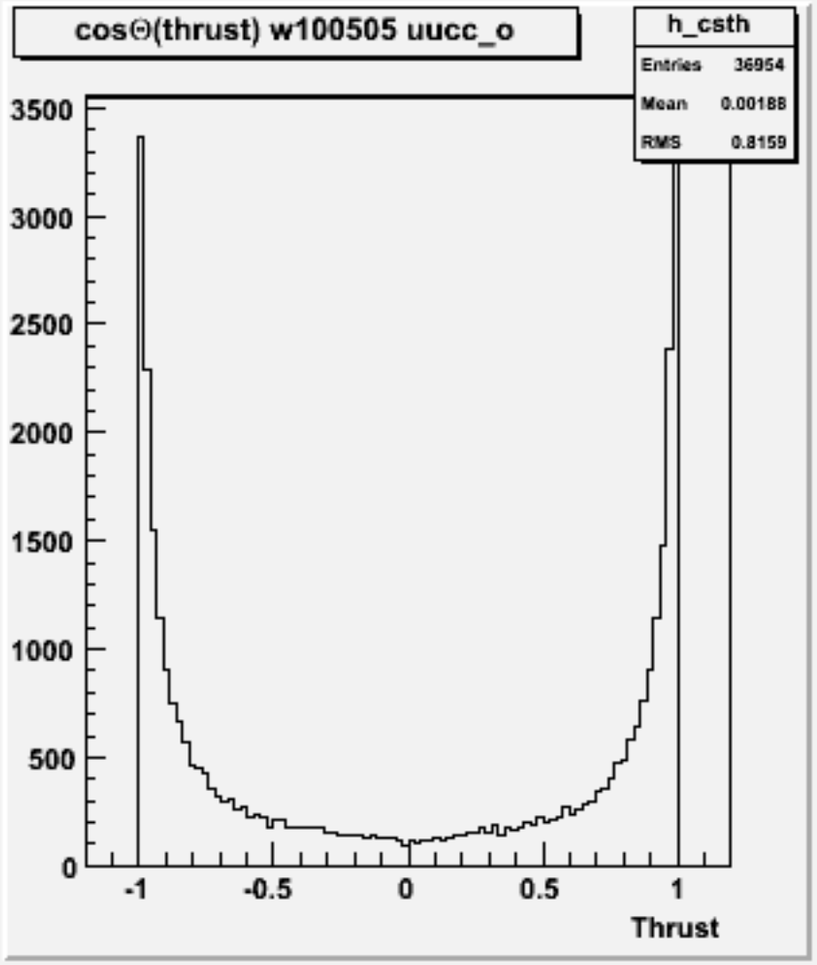

Total Energy (inc. ν): w100505 uucc_o
h_etotc
Entries 33666
Mean 348.6
RMS 2.312
Total Energy(GeV)

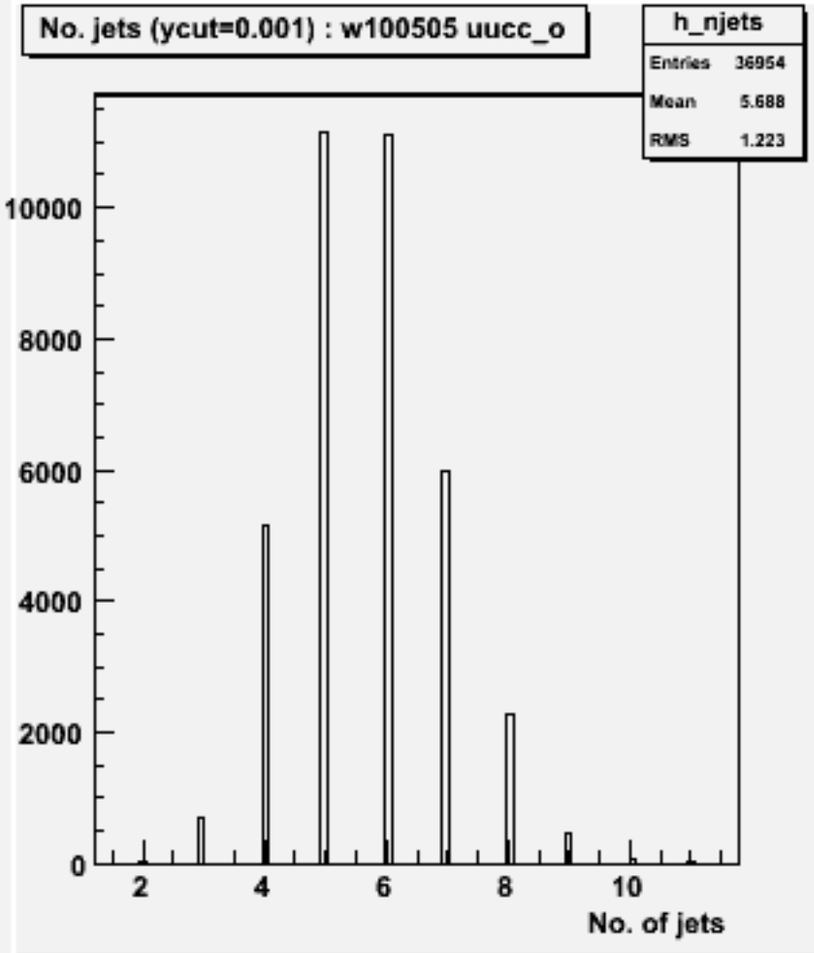

Total Energy (w/o ν): w100505 uucc_o
h_evis
Entries 36954
Mean 343.2
RMS 11.23
Energy(GeV)

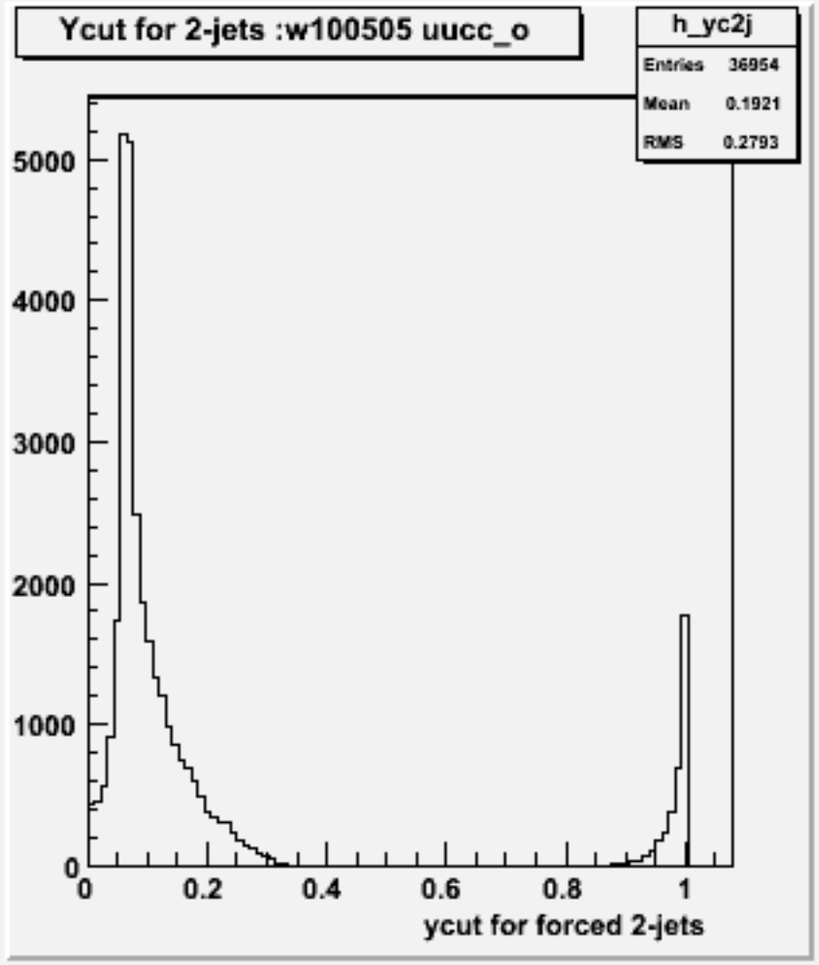

Pt Sum: w100505 uucc_o
h_pt
Entries 36954
Mean 2.16
RMS 5.356
Pt(sum) (GeV)

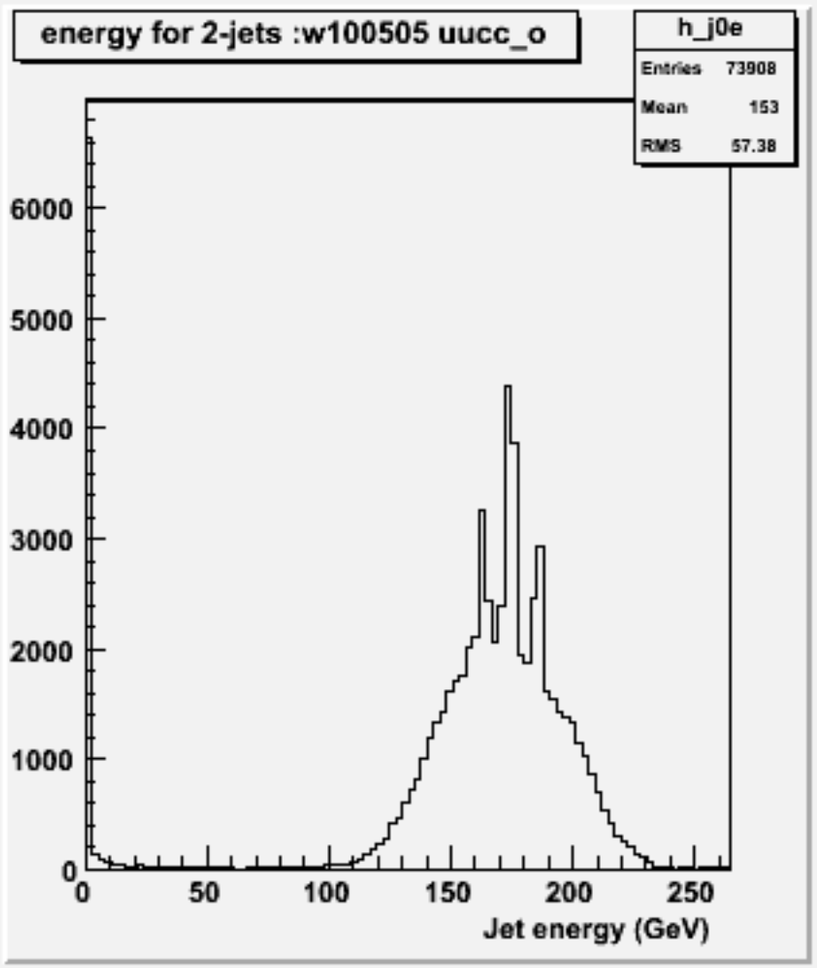

Pz Sum: w100505 uucc_o
h_pz
Entries 36954
Mean -0.04148
RMS 10.05
Pz(sum) (GeV)

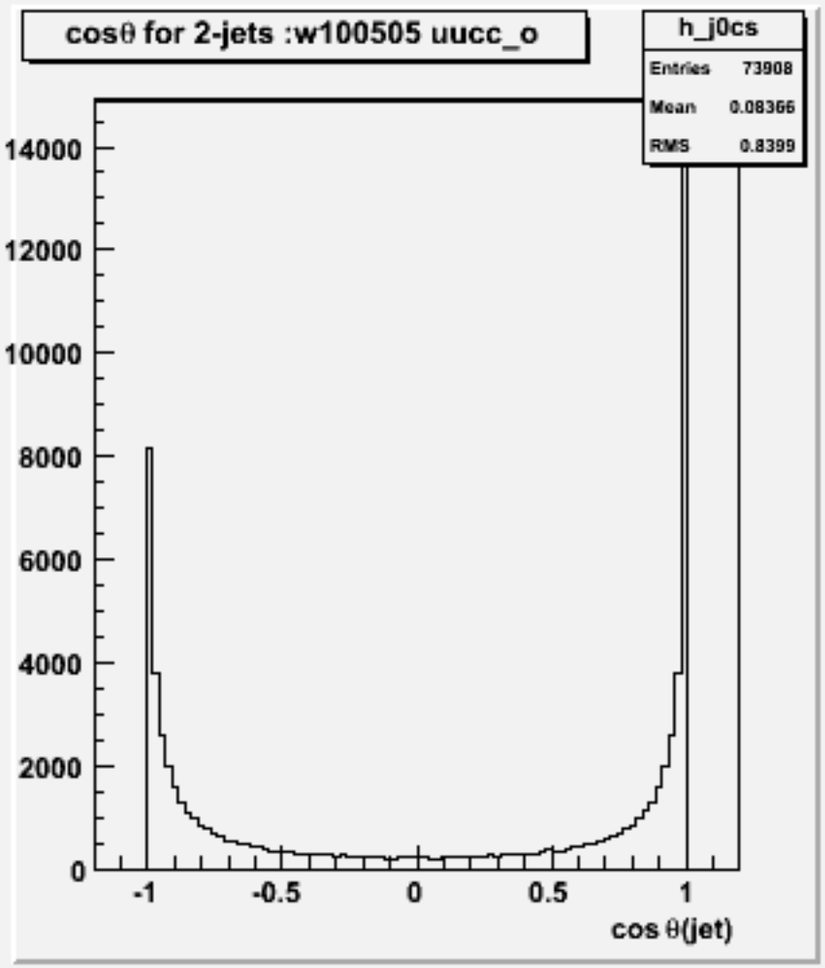

Thrust w100505 uucc_o
h_thrust
Entries 36954
Mean 0.865
RMS 0.06561
Thrust

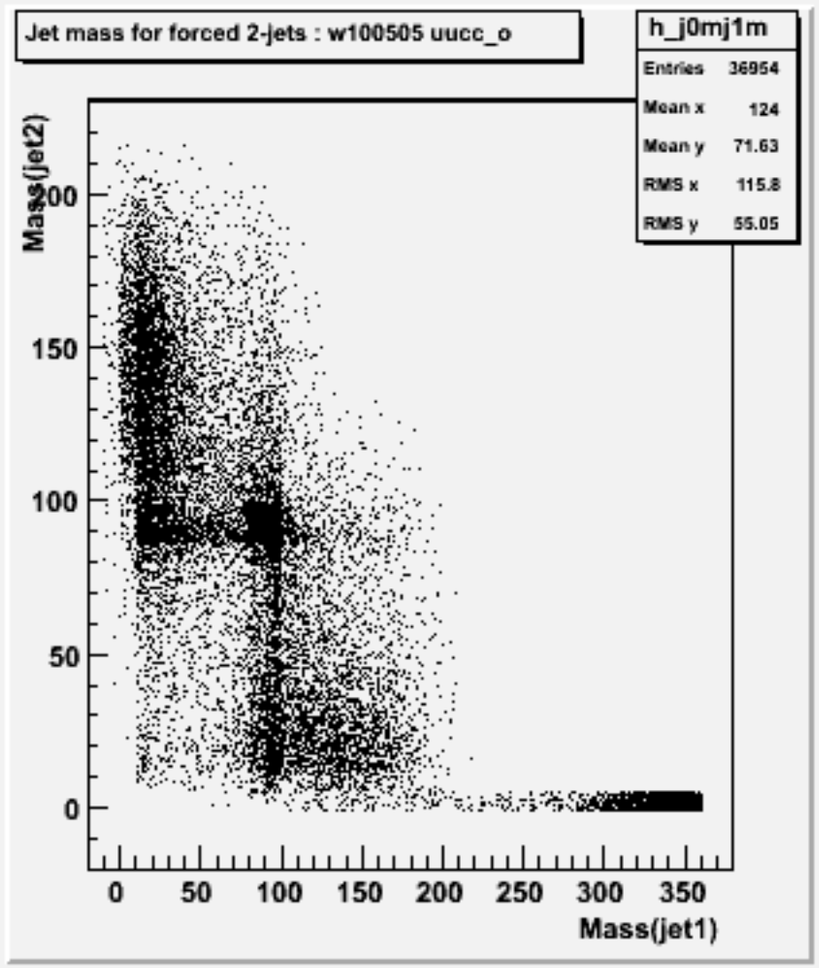

cosΘ(thrust) w100505 uucc_o
h_csth
Entries 36954
Mean 0.00188
RMS 0.8159
3500
3000
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
Thrust

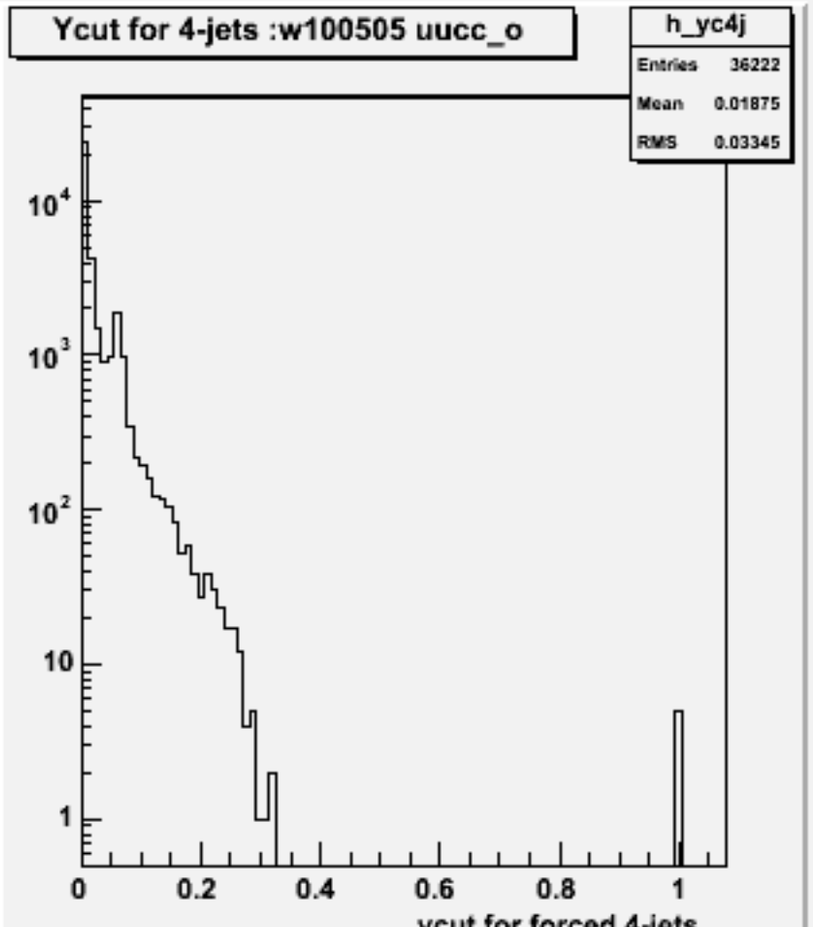

No. jets (ycut=0.001) : w100505 uucc_o
h_njets
Entries 36954
Mean 5.688
RMS 1.223
10000
8000
6000
4000
2000
0
2
4
6
8
10
No. of jets

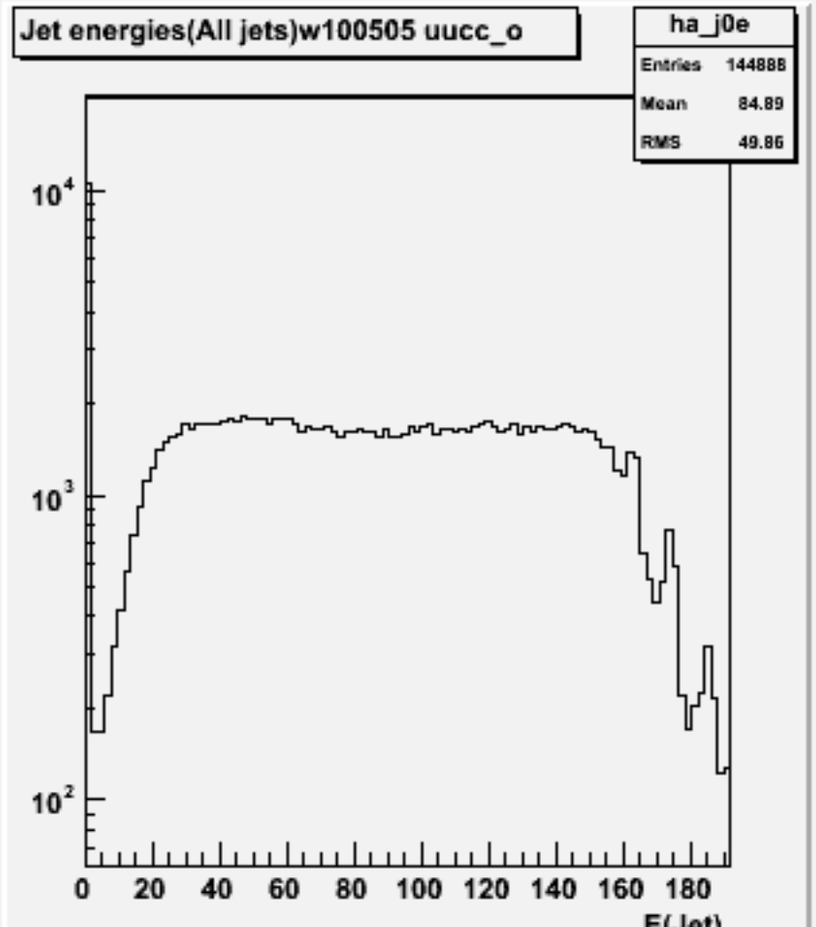

Ycut for 2-jets :w100505 uucc_o
h_yc2j
Entries 36954
Mean 0.1921
RMS 0.2793
5000
4000
3000
2000
1000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

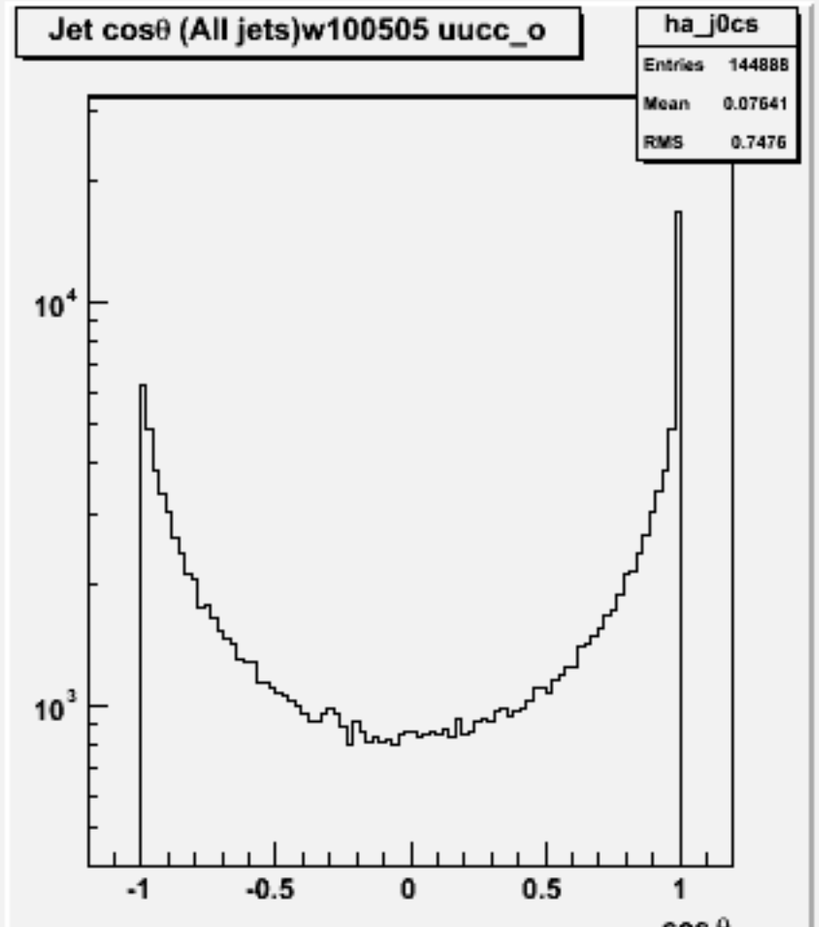

energy for 2-jets :w100505 uucc_o
h_j0e
Entries 73908
Mean 153
RMS 57.38
6000
5000
4000
3000
2000
1000
0
0
50
100
150
200
250
Jet energy (GeV)

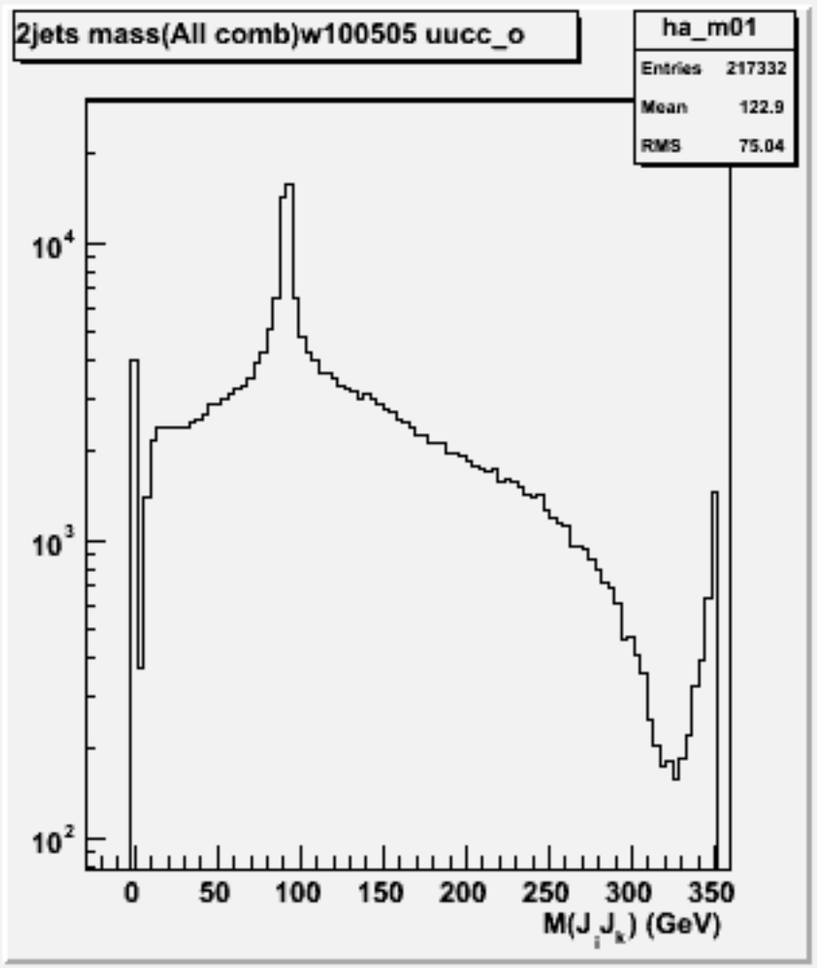

cosθ for 2-jets :w100505 uucc_o
h_j0cs
Entries 73908
Mean 0.08366
RMS 0.8399
14000
12000
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
cos θ(jet)

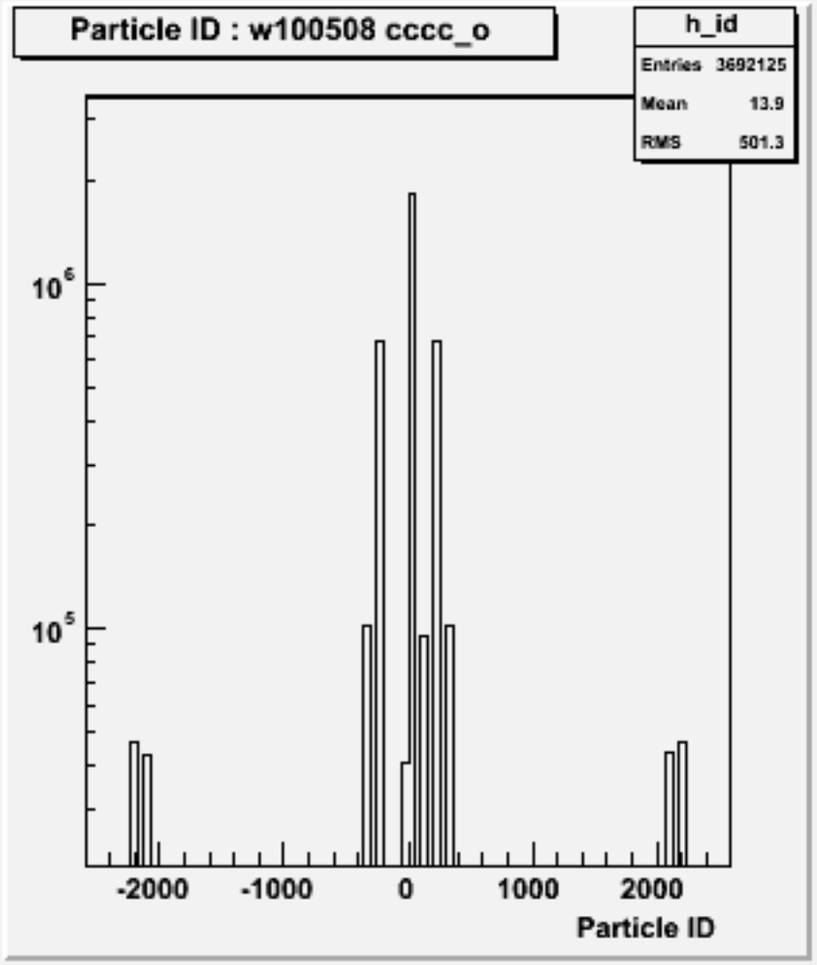

Jet mass for forced 2-jets : w100505 uucc_o
h_j0mj1m
Entries 36954
Mean x 124
Mean y 71.63
RMS x 115.8
RMS y 55.05
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

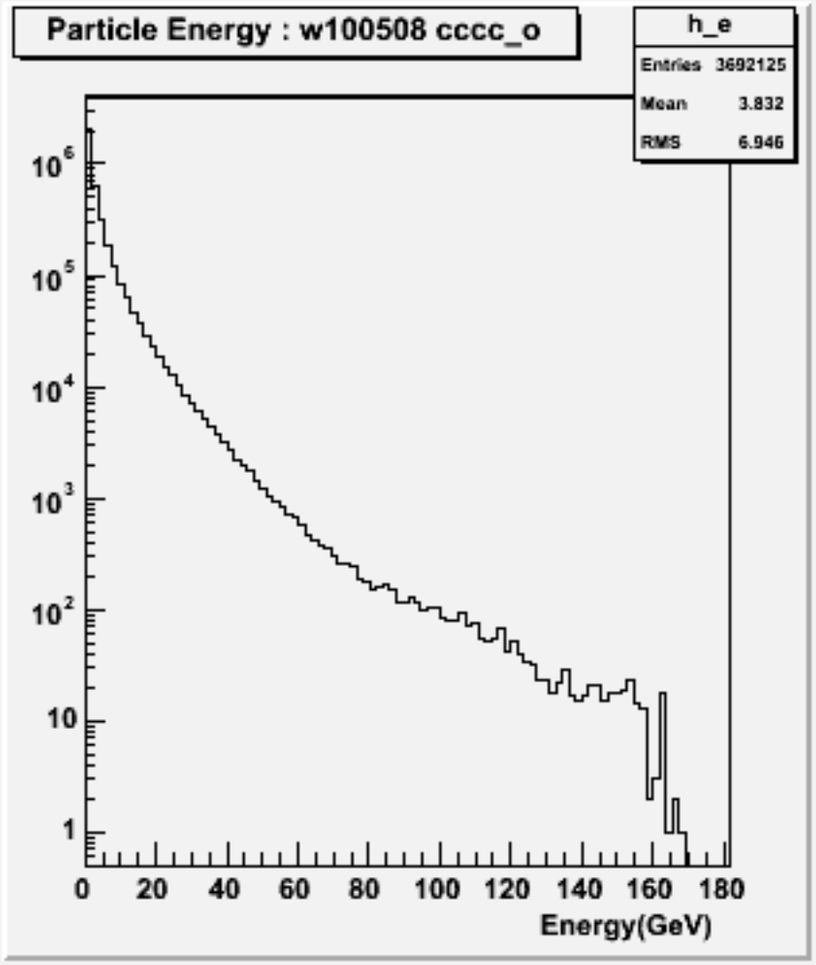

Ycut for 4-jets :w100505 uucc_o
h_yc4j
Entries 36222
Mean 0.01875
RMS 0.03345
ycut for forced 4-jets

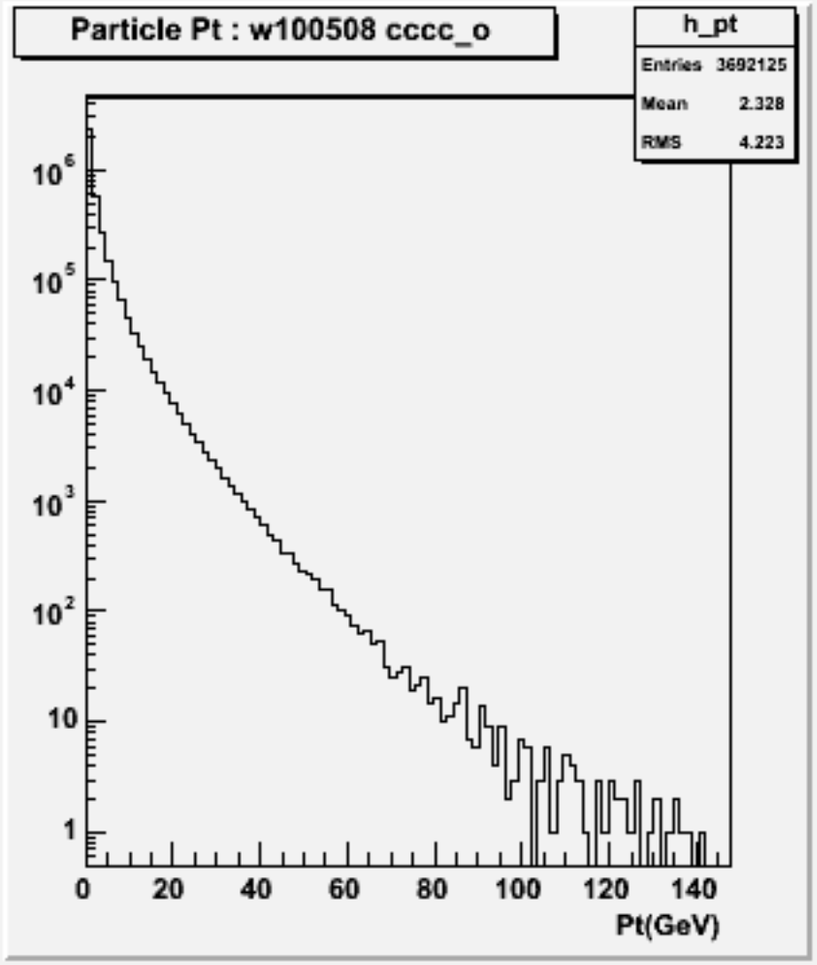

Jet energies(All jets)w100505 uucc_o
ha_j0e
Entries 144888
Mean 84.89
RMS 49.86
E(Jet)

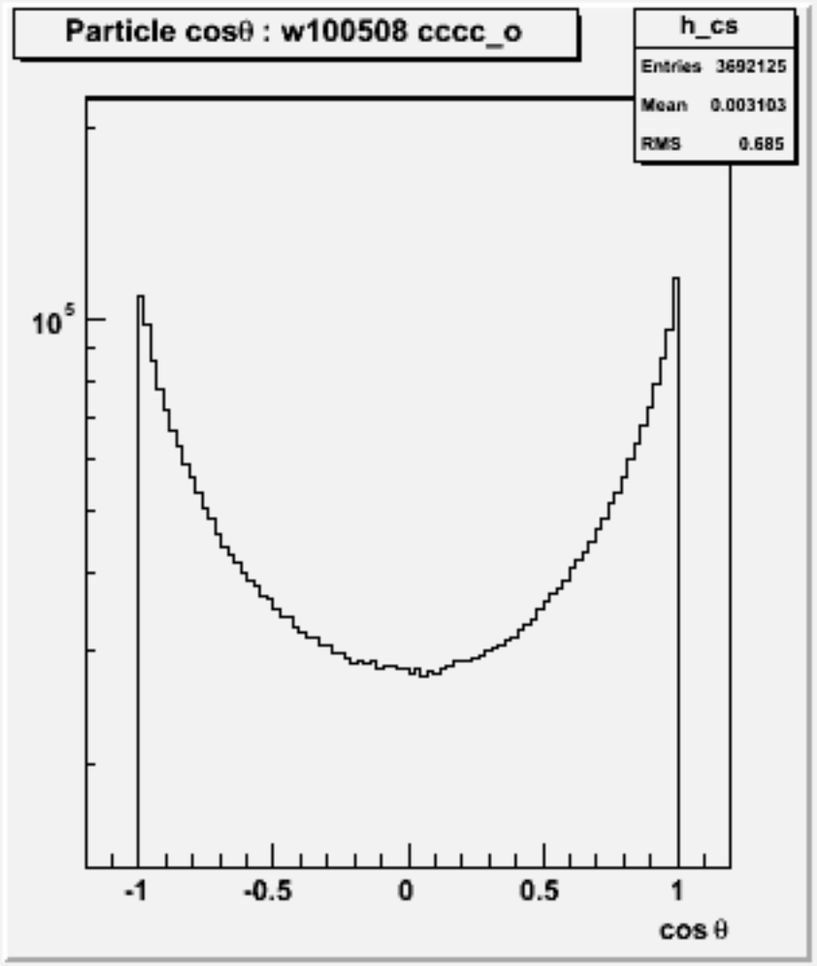

Jet cosθ (All jets)w100505 uucc_o
ha_j0cs
Entries 144888
Mean 0.07641
RMS 0.7476
cos θ

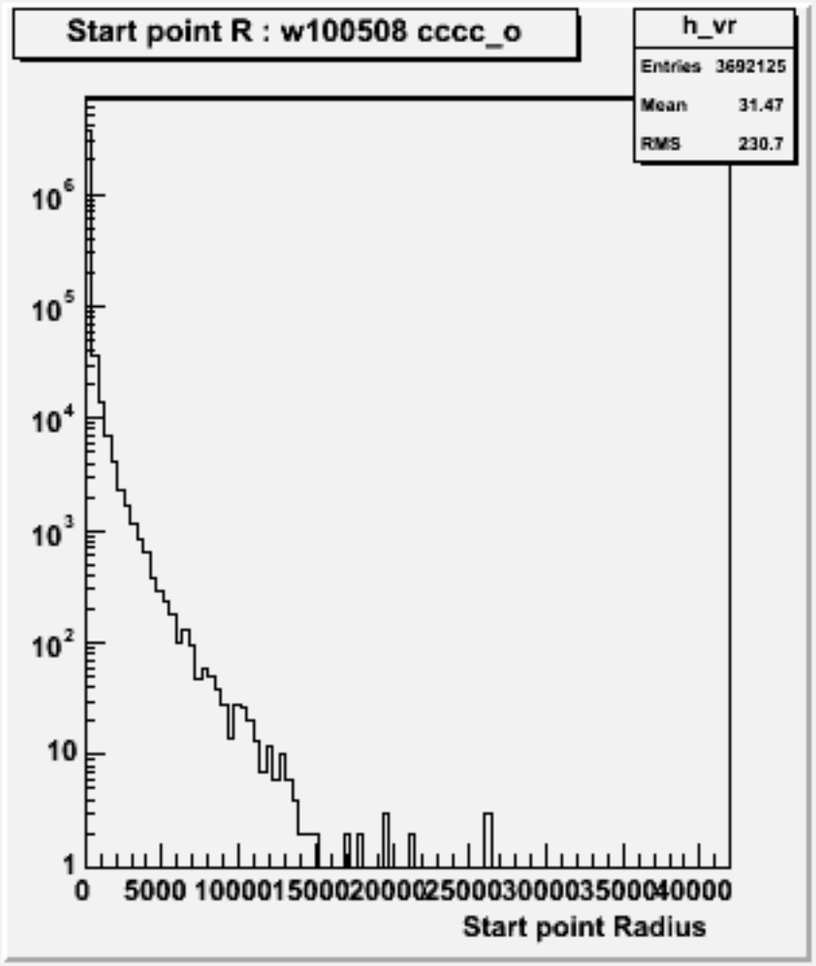

2jets mass(All comb)w100505 uucc_o
ha_m01
Entries 217332
Mean 122.9
RMS 75.04
M(J_iJ_k) (GeV)

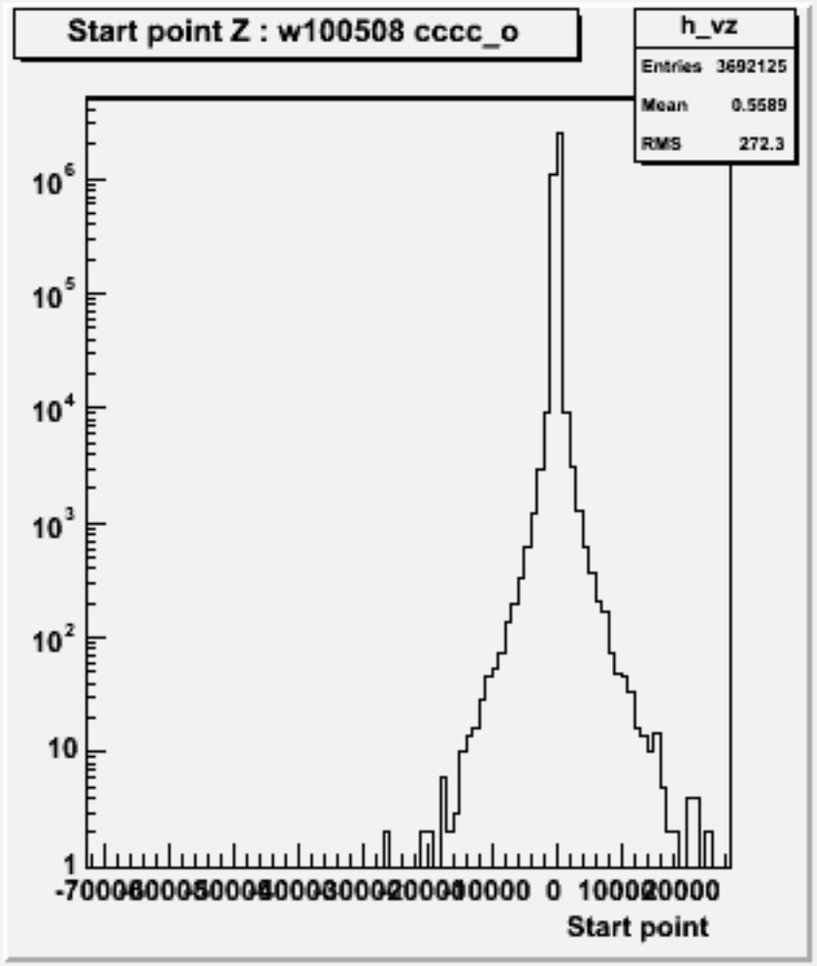

Particle ID : w100508 cccc_o
h_id
Entries 3692125
Mean 13.9
RMS 501.3
Particle ID

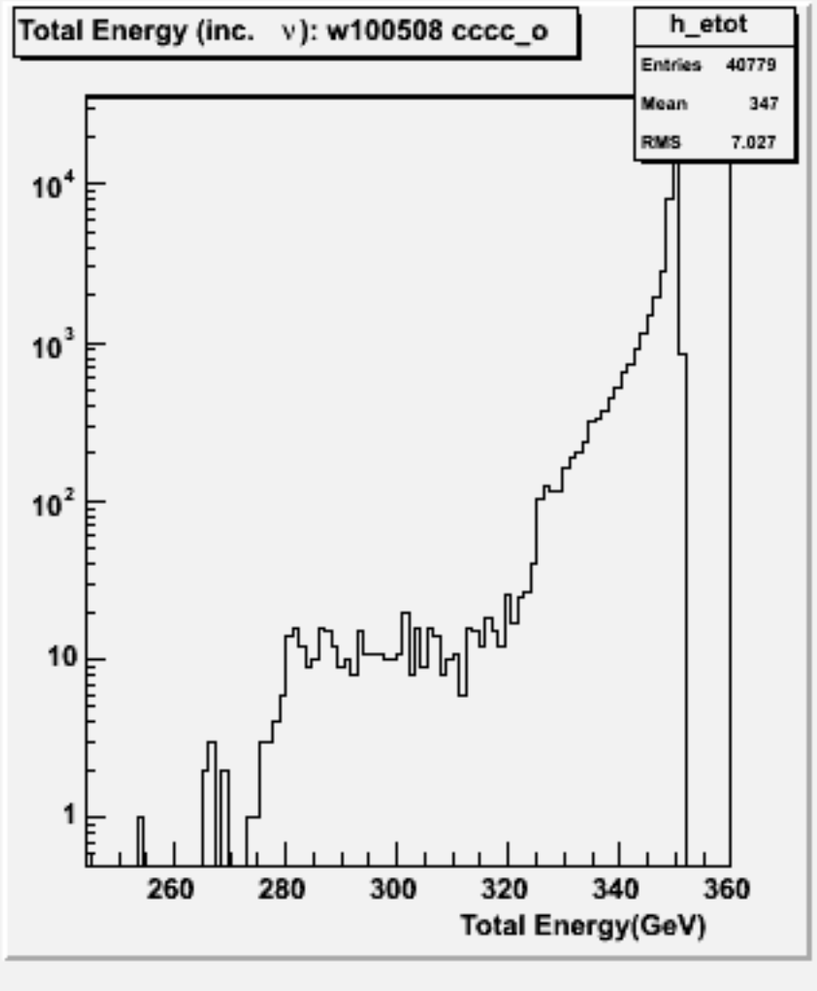

Particle Energy : w100508 cccc_o
h_e
Entries 3692125
Mean 3.832
RMS 6.946
Energy(GeV)

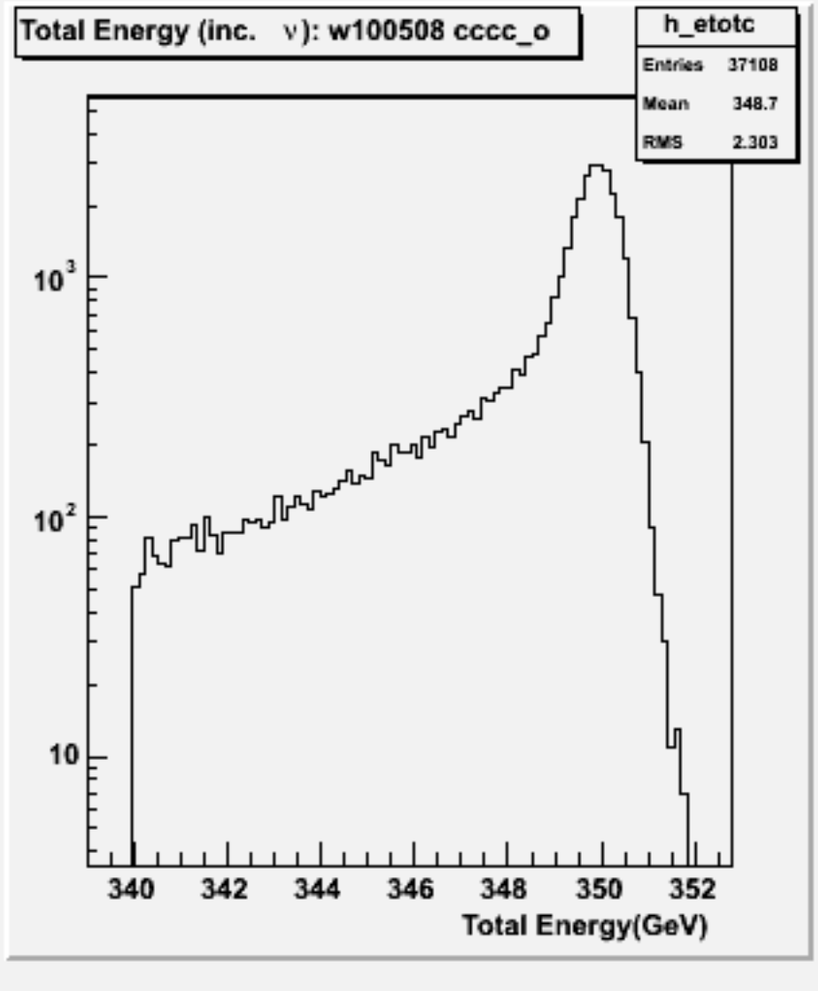

Particle Pt : w100508 cccc_o
h_pt
Entries 3692125
Mean 2.328
RMS 4.223
Pt(GeV)

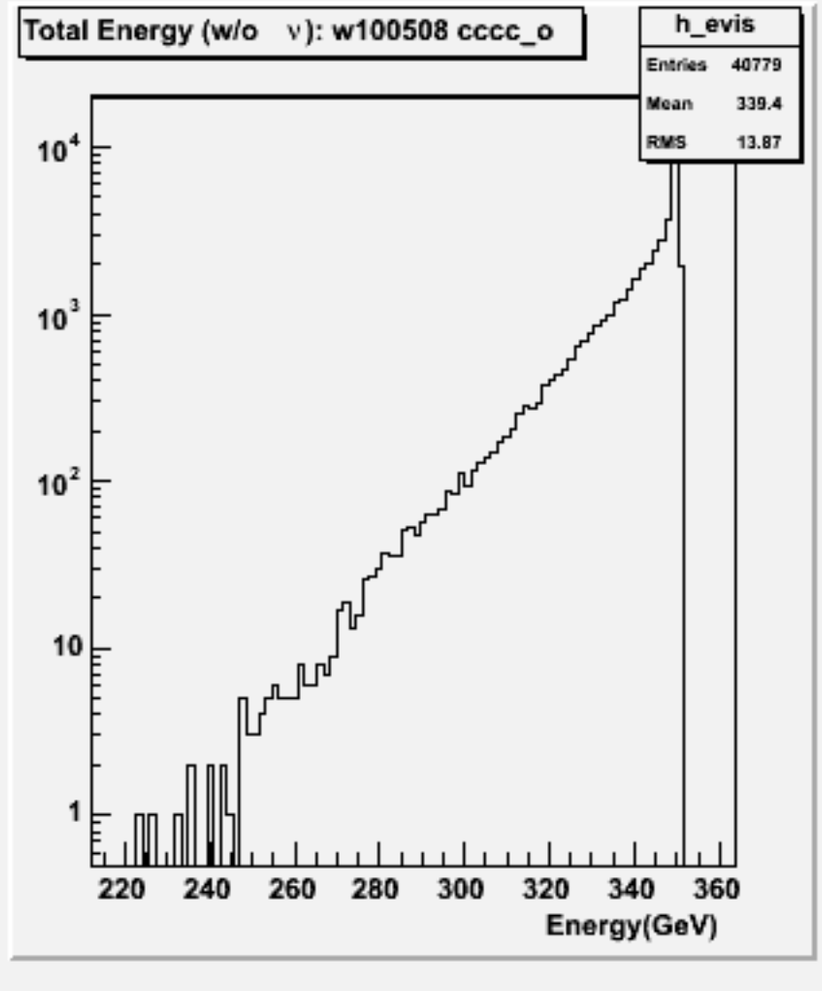

Particle cosθ : w100508 cccc_o
h_cs
Entries 3692125
Mean 0.003103
RMS 0.685
cos θ

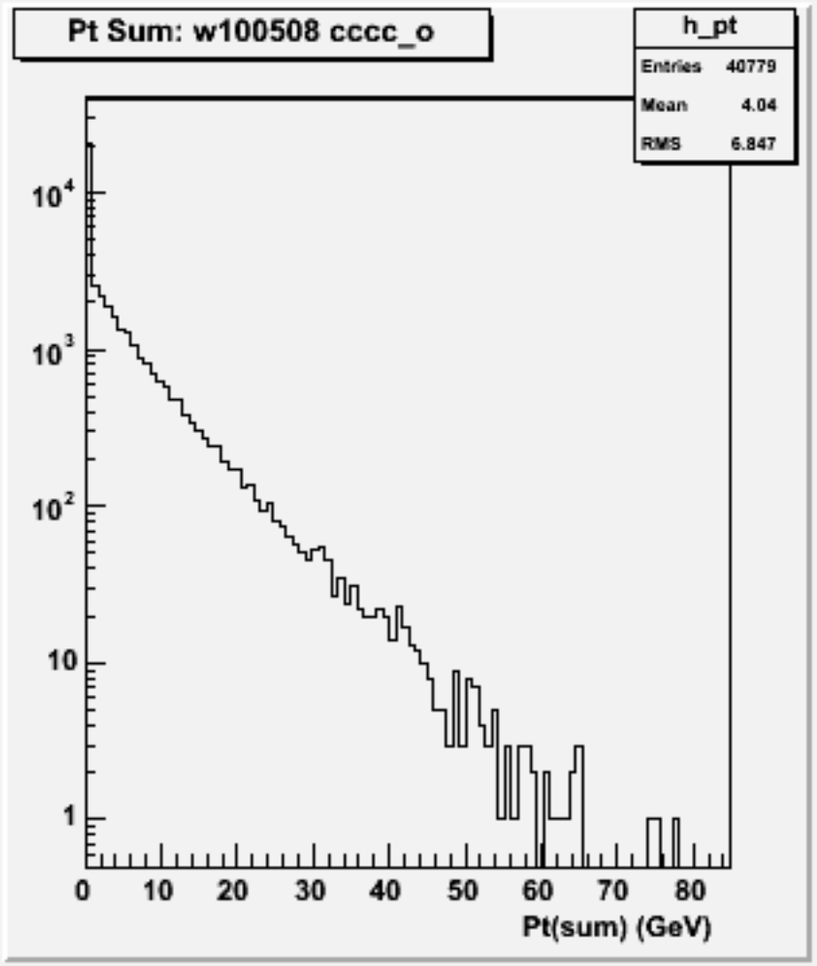

Start point R : w100508 cccc_o
h_vr
Entries 3692125
Mean 31.47
RMS 230.7
Start point Radius

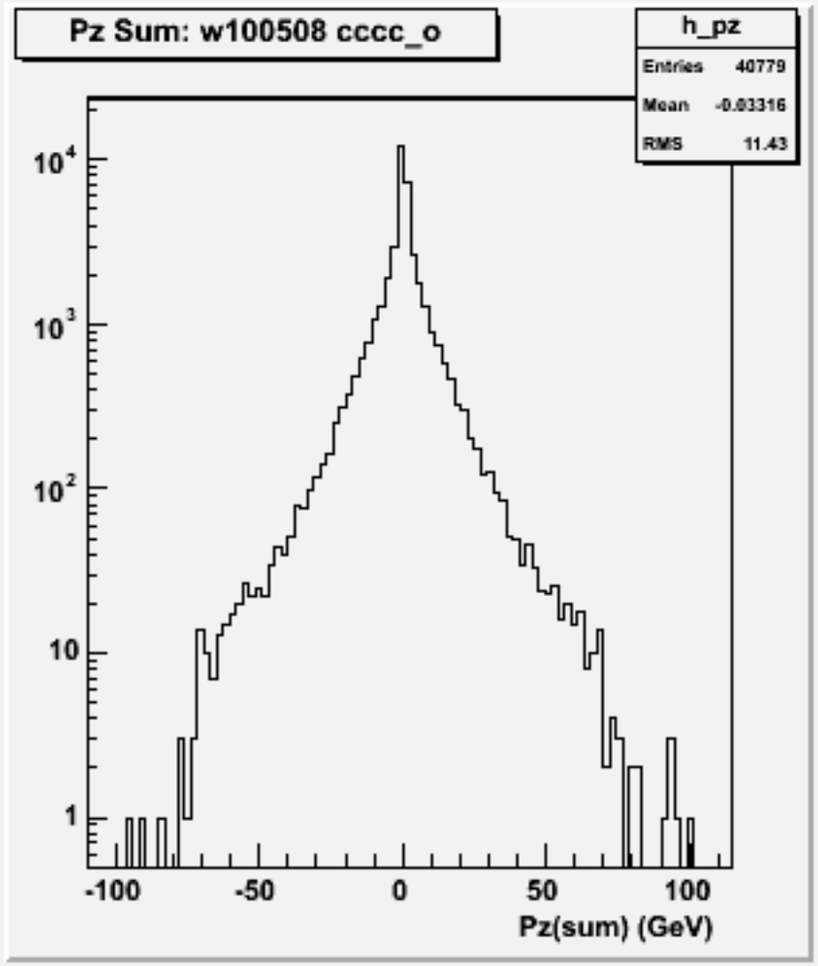

Start point Z : w100508 cccc_o
h_vz
Entries 3692125
Mean 0.5589
RMS 272.3
Start point

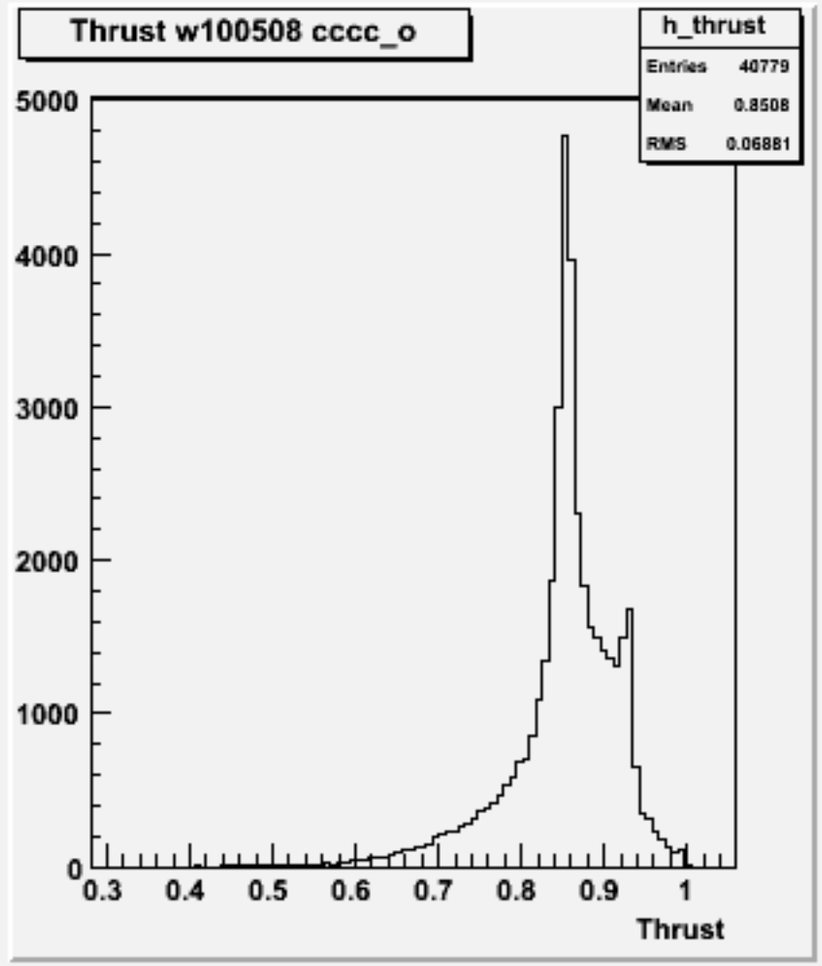

Total Energy (inc. ν): w100508 cccc_o
h_etot
Entries 40779
Mean 347
RMS 7.027
Total Energy(GeV)

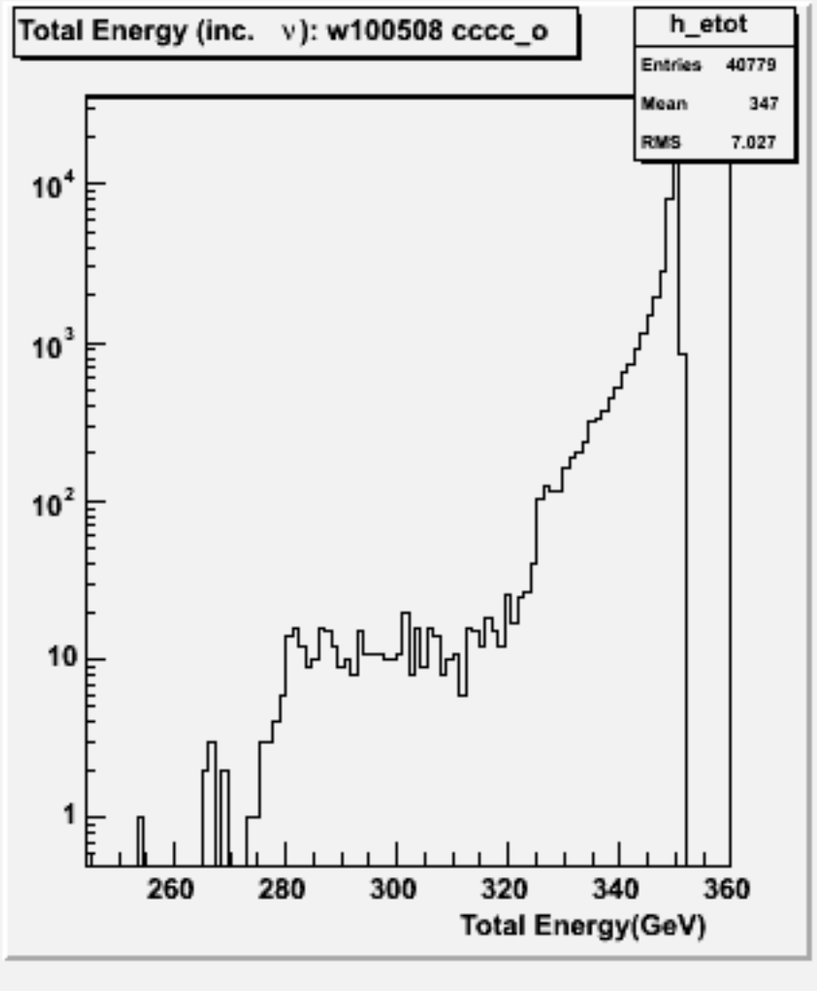

Total Energy (inc. ν): w100508 cccc_o
h_etotc
Entries 37108
Mean 348.7
RMS 2.303
Total Energy(GeV)

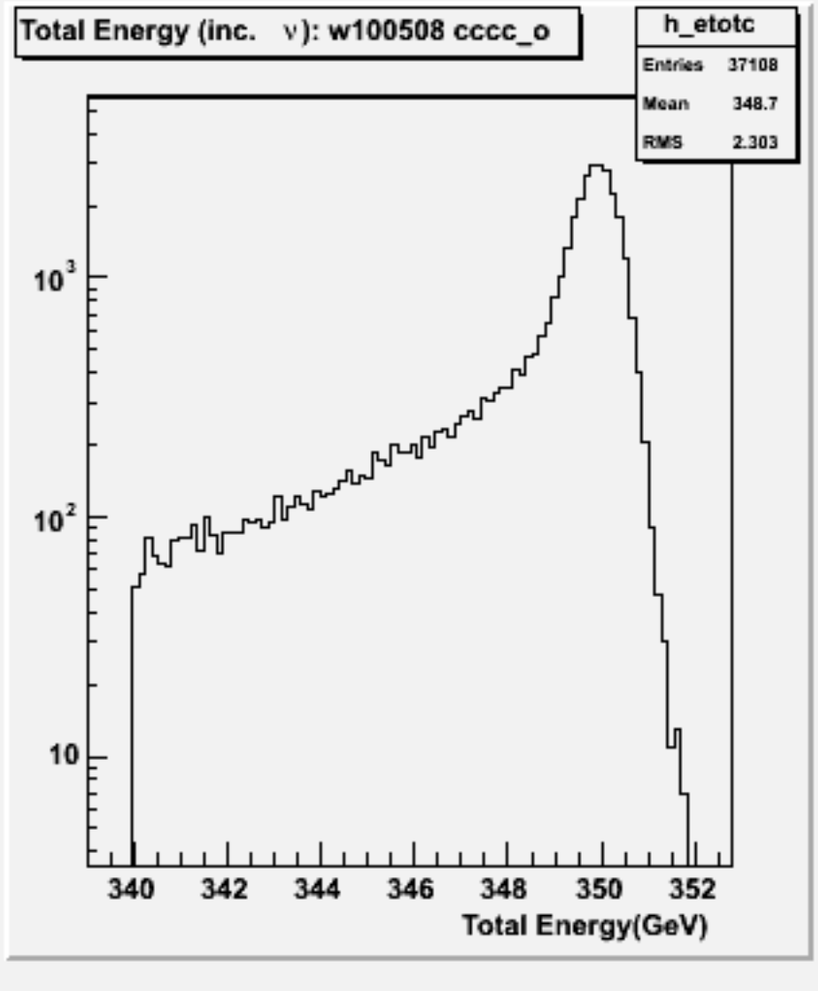

Total Energy (w/o ν): w100508 cccc_o
h_evis
Entries 40779
Mean 339.4
RMS 13.87
Energy(GeV)

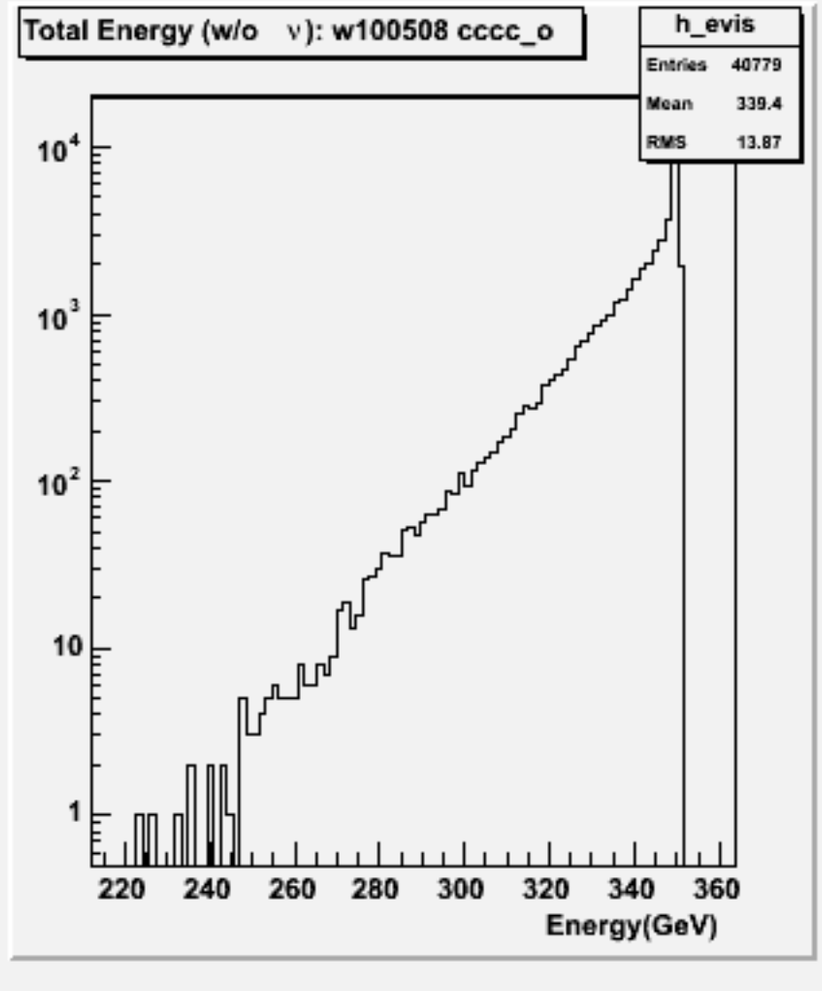

Pt Sum: w100508 cccc_o
h_pt
Entries 40779
Mean 4.04
RMS 6.847
Pt(sum) (GeV)

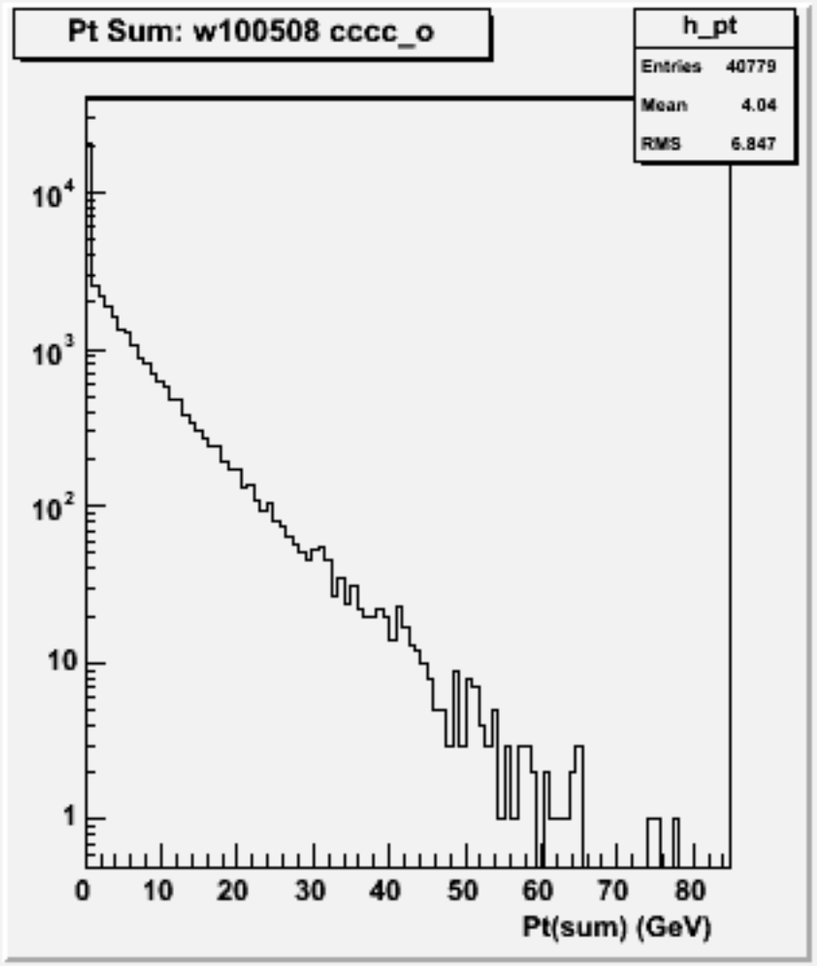

Pz Sum: w100508 cccc_o
h_pz
Entries 40779
Mean -0.03316
RMS 11.43
Pz(sum) (GeV)

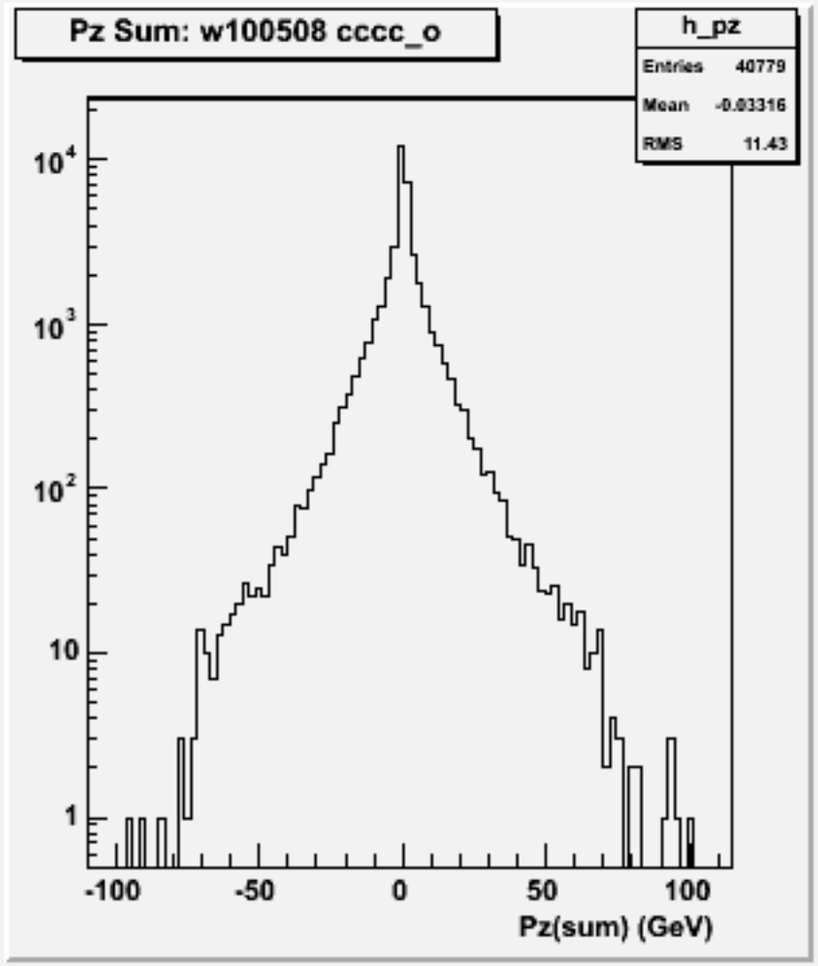

Thrust w100508 cccc_o
h_thrust
Entries 40779
Mean 0.8508
RMS 0.06881
Thrust

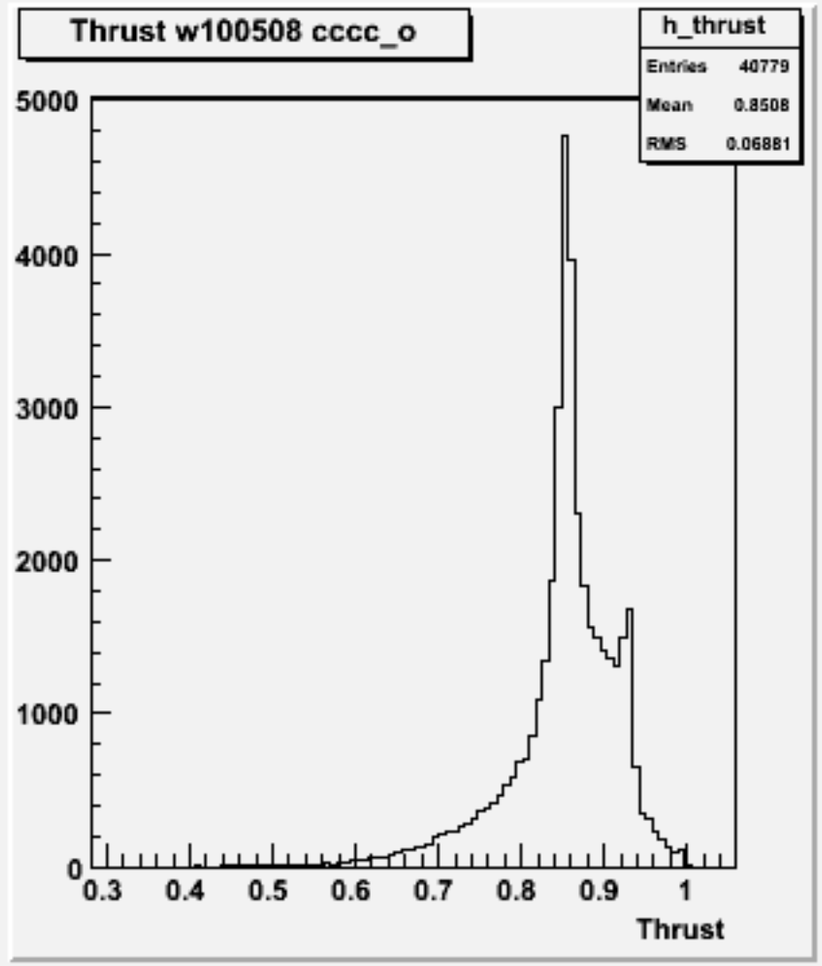

Total Energy (inc. ν): w100508 cccc_o
h_etot
Entries 40779
Mean 347
RMS 7.027
Total Energy(GeV)

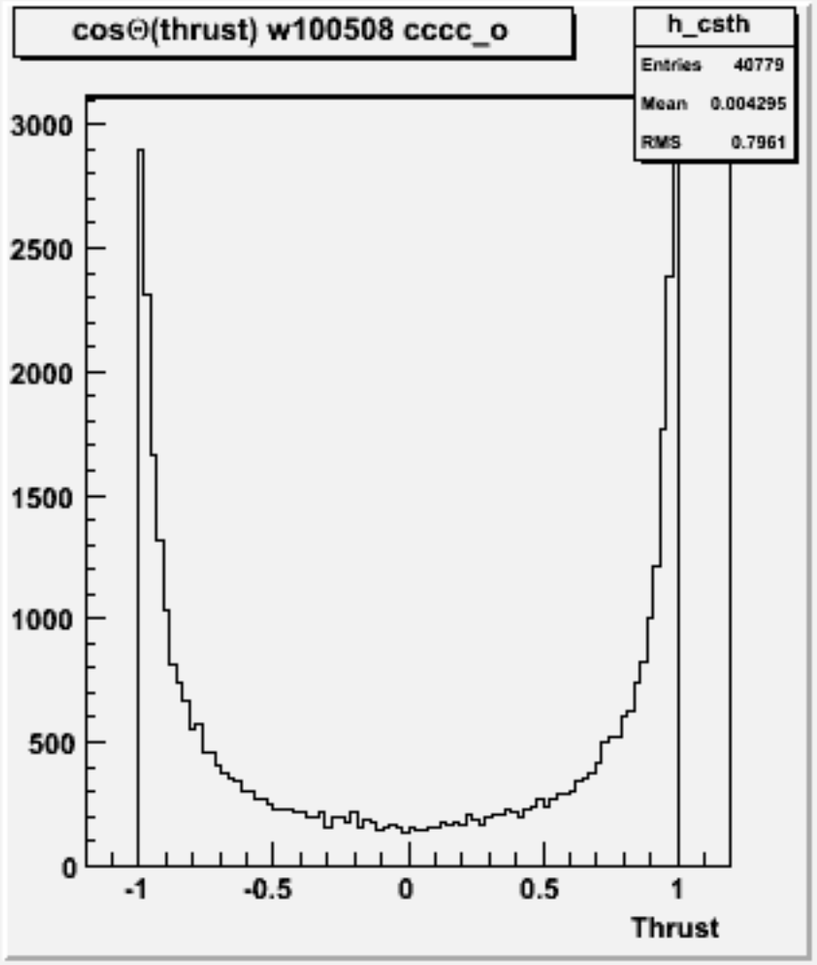

Total Energy (inc. ν): w100508 cccc_o
h_etotc
Entries 37108
Mean 348.7
RMS 2.303
Total Energy(GeV)

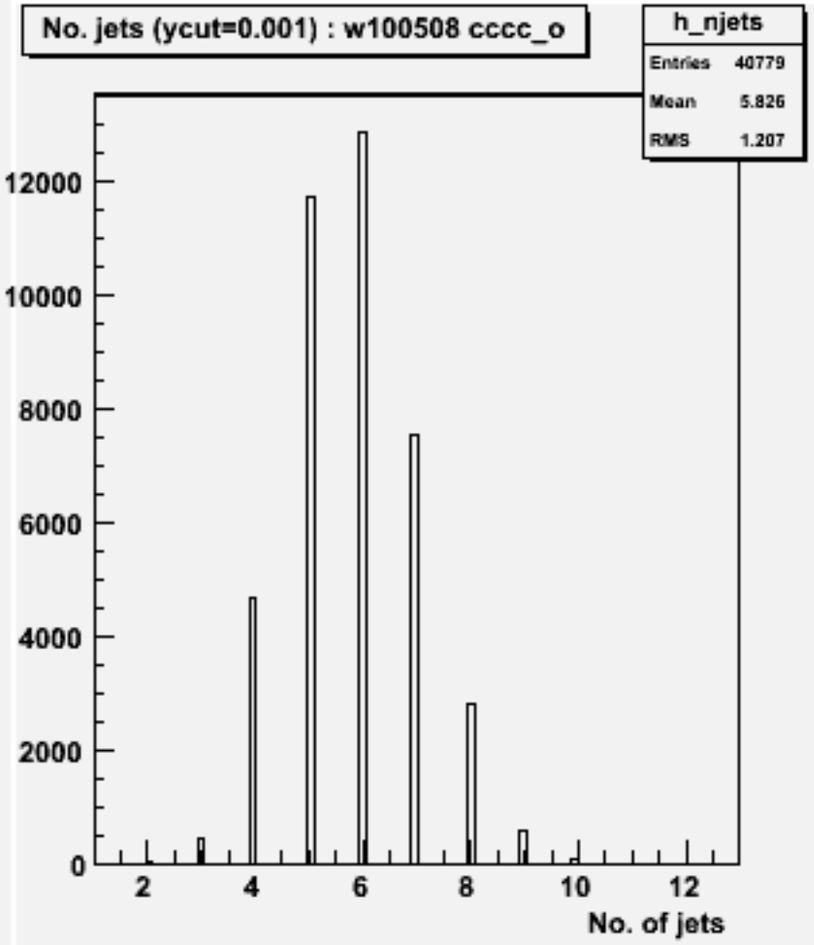

Total Energy (w/o ν): w100508 cccc_o
h_evis
Entries 40779
Mean 339.4
RMS 13.87
Energy(GeV)

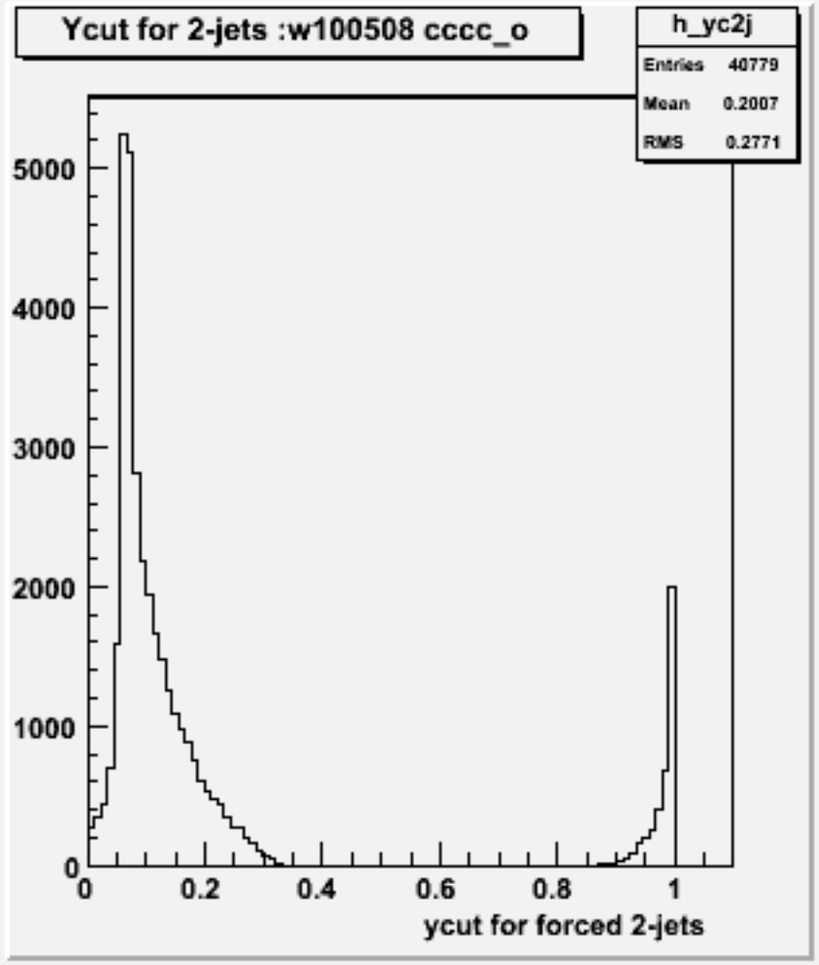

Pt Sum: w100508 cccc_o
h_pt
Entries 40779
Mean 4.04
RMS 6.847
Pt(sum) (GeV)

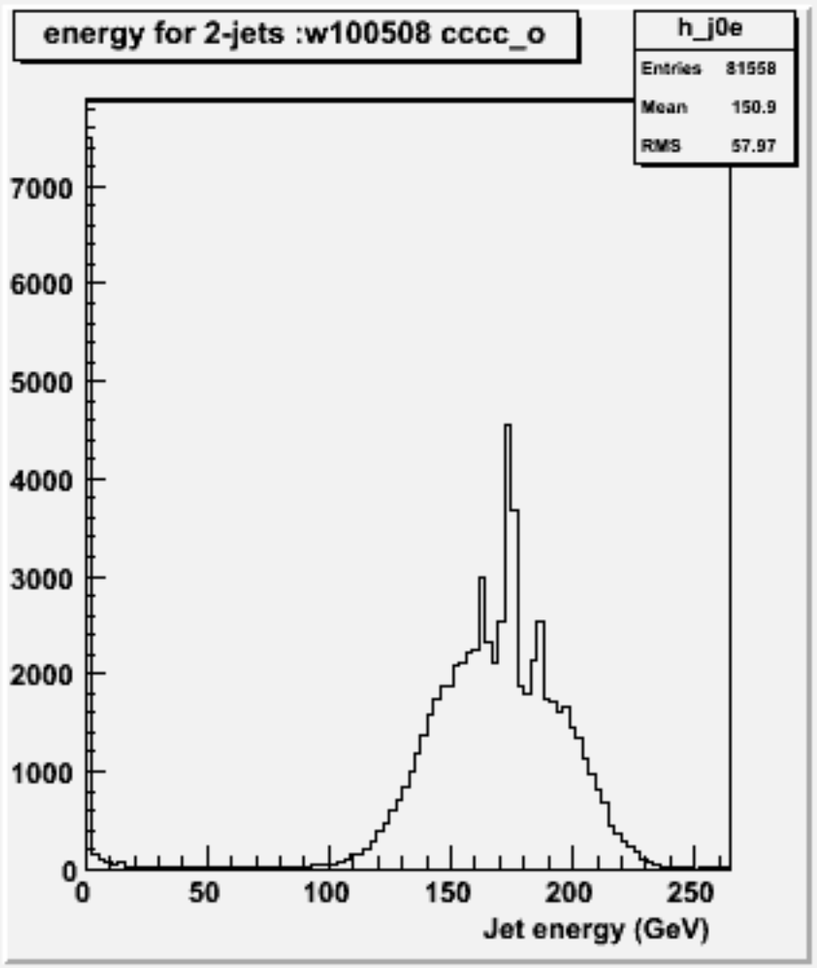

Pz Sum: w100508 cccc_o
h_pz
Entries 40779
Mean -0.03316
RMS 11.43
Pz(sum) (GeV)

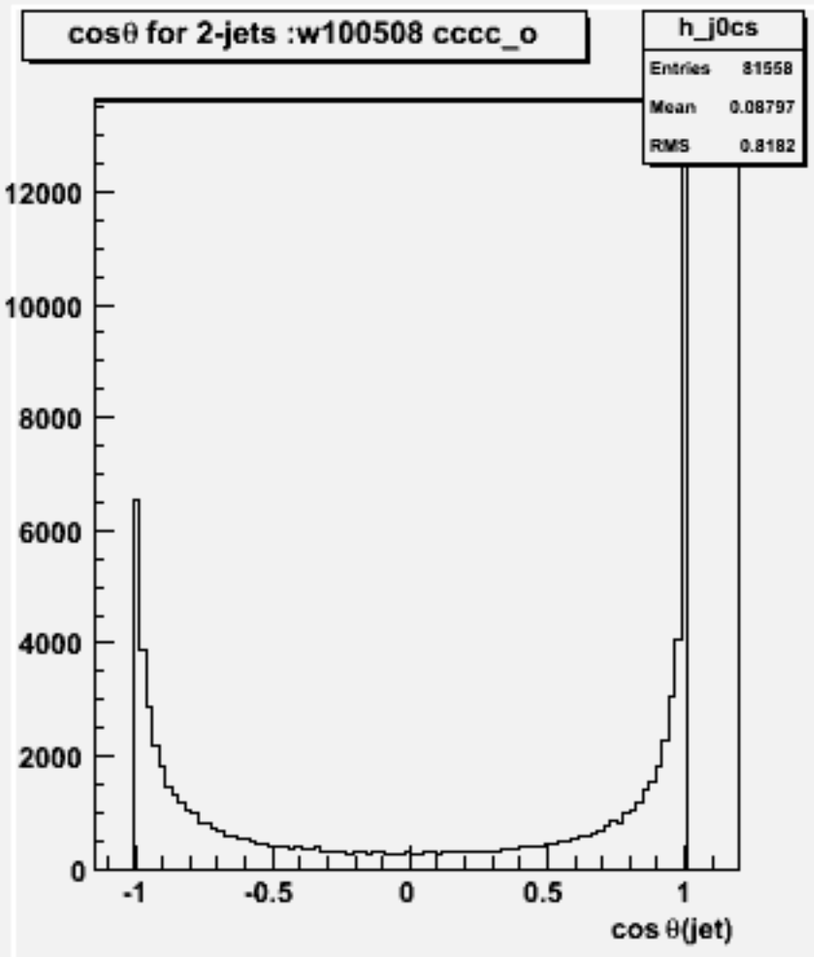

Thrust w100508 cccc_o
h_thrust
Entries 40779
Mean 0.8508
RMS 0.06881
Thrust

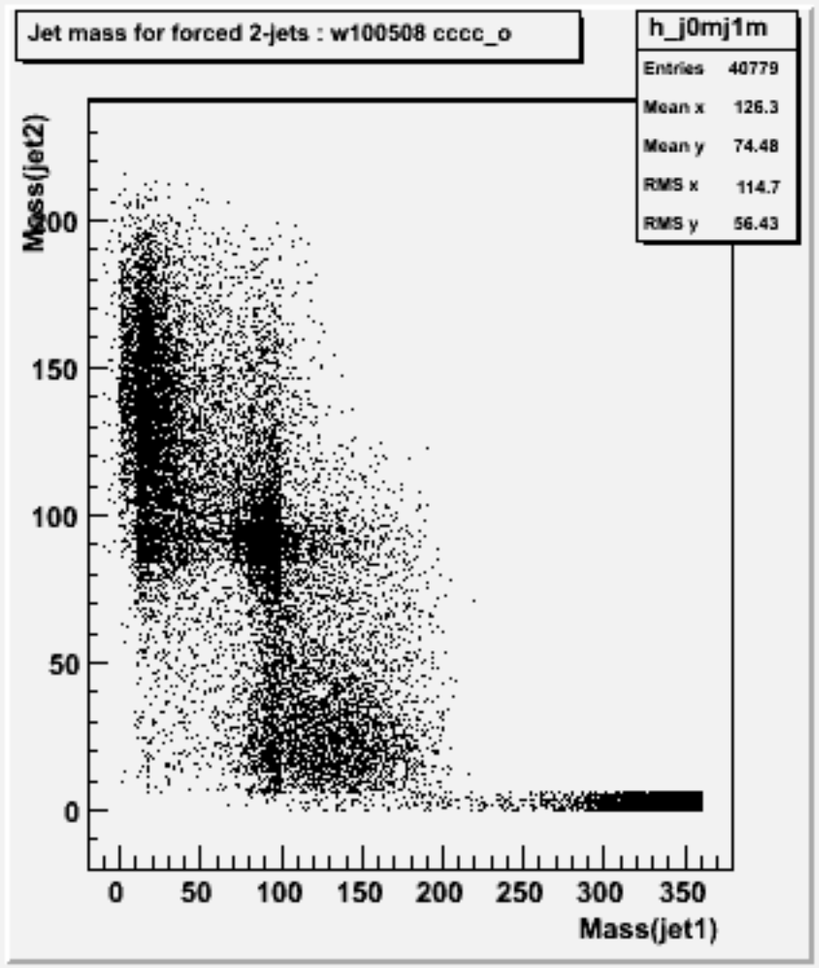

cosΘ(thrust) w100508 cccc_o
h_csth
Entries 40779
Mean 0.004295
RMS 0.7961
Thrust

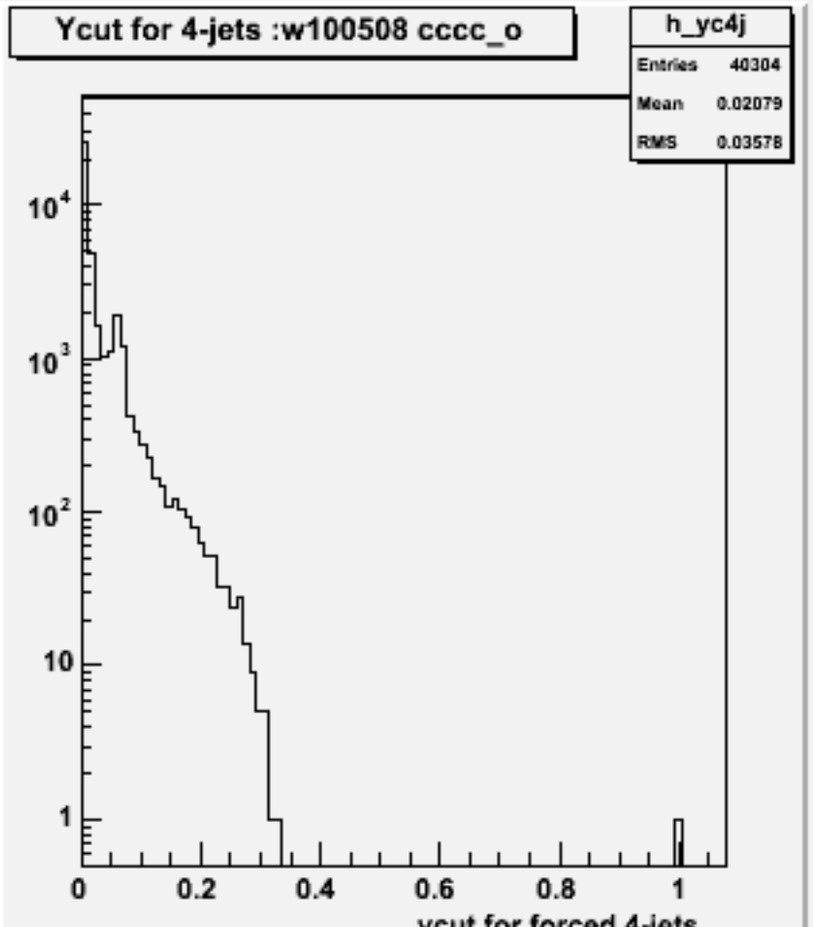

No. jets (ycut=0.001) : w100508 cccc_o
h_njets
Entries 40779
Mean 5.826
RMS 1.207
No. of jets

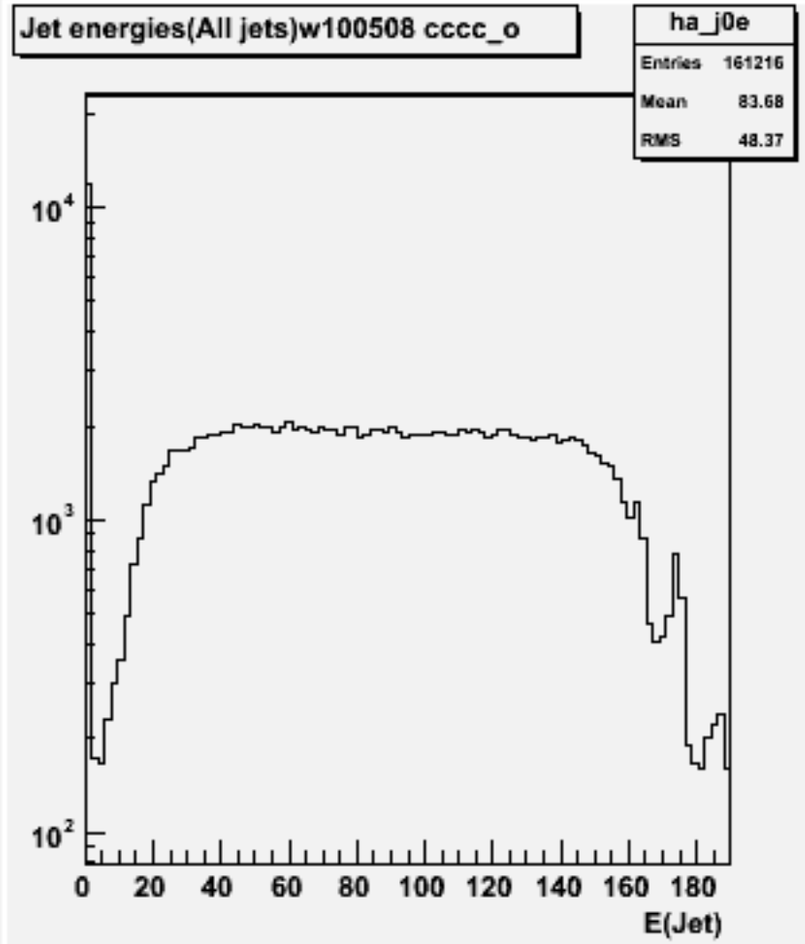

Ycut for 2-jets :w100508 cccc_o
h_yc2j
Entries 40779
Mean 0.2007
RMS 0.2771
ycut for forced 2-jets

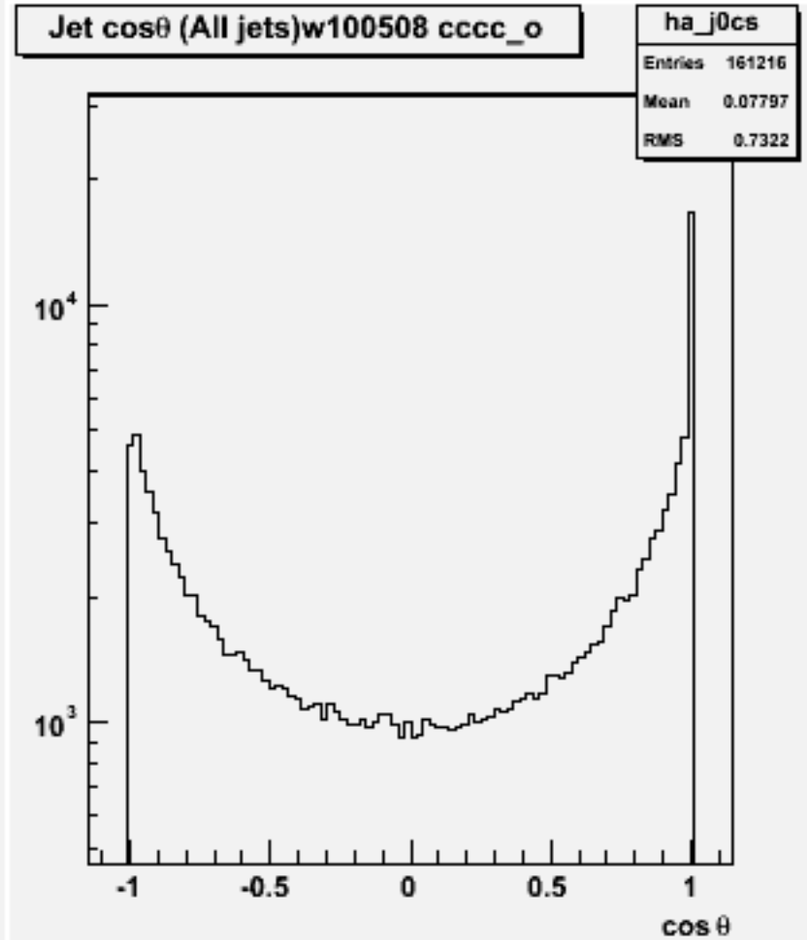

energy for 2-jets :w100508 cccc_o
h_j0e
Entries 81558
Mean 150.9
RMS 57.97
Jet energy (GeV)

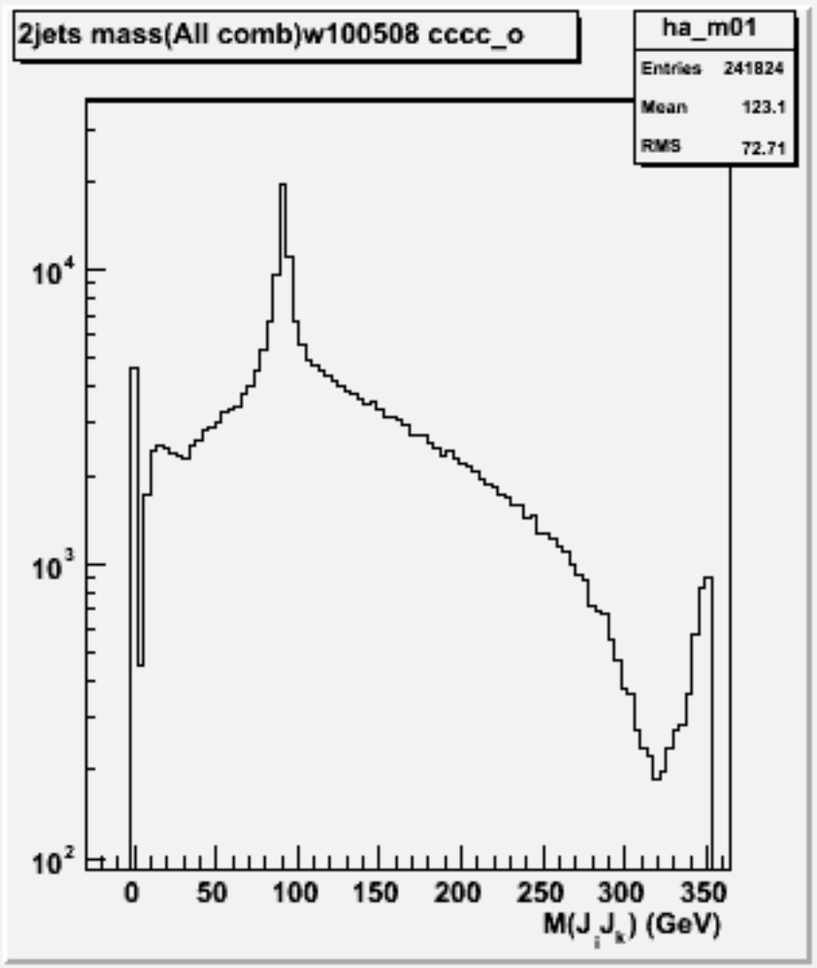

cosθ for 2-jets :w100508 cccc_o
h_j0cs
Entries 81558
Mean 0.08797
RMS 0.8182
cos θ(jet)

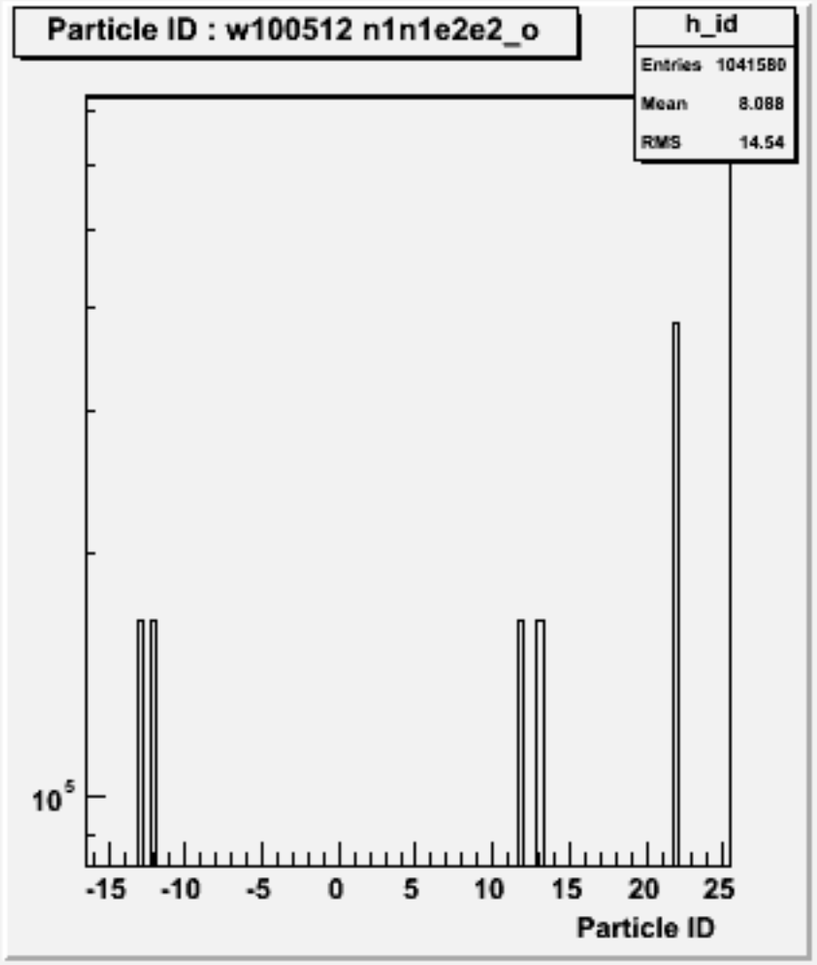

Jet mass for forced 2-jets : w100508 cccc_o
h_j0mj1m
Entries 40779
Mean x 126.3
Mean y 74.48
RMS x 114.7
RMS y 56.43
Mass(jet2)
Mass(jet1)

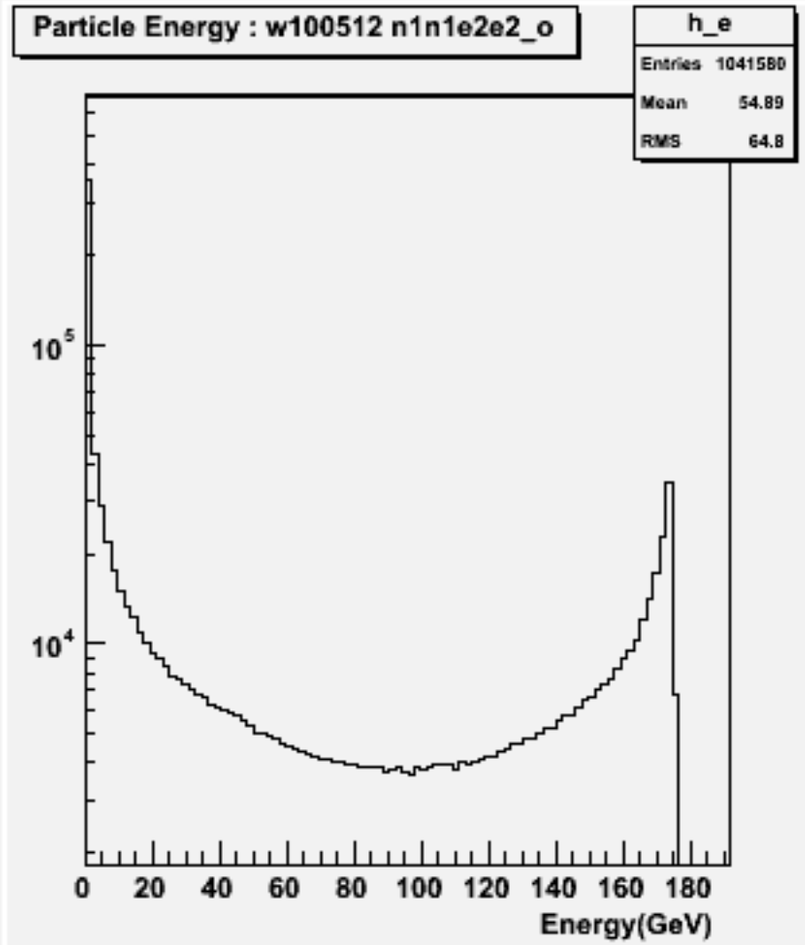

Ycut for 4-jets :w100508 cccc_o
h_yc4j
Entries 40304
Mean 0.02079
RMS 0.03578
ycut for forced 4-jets

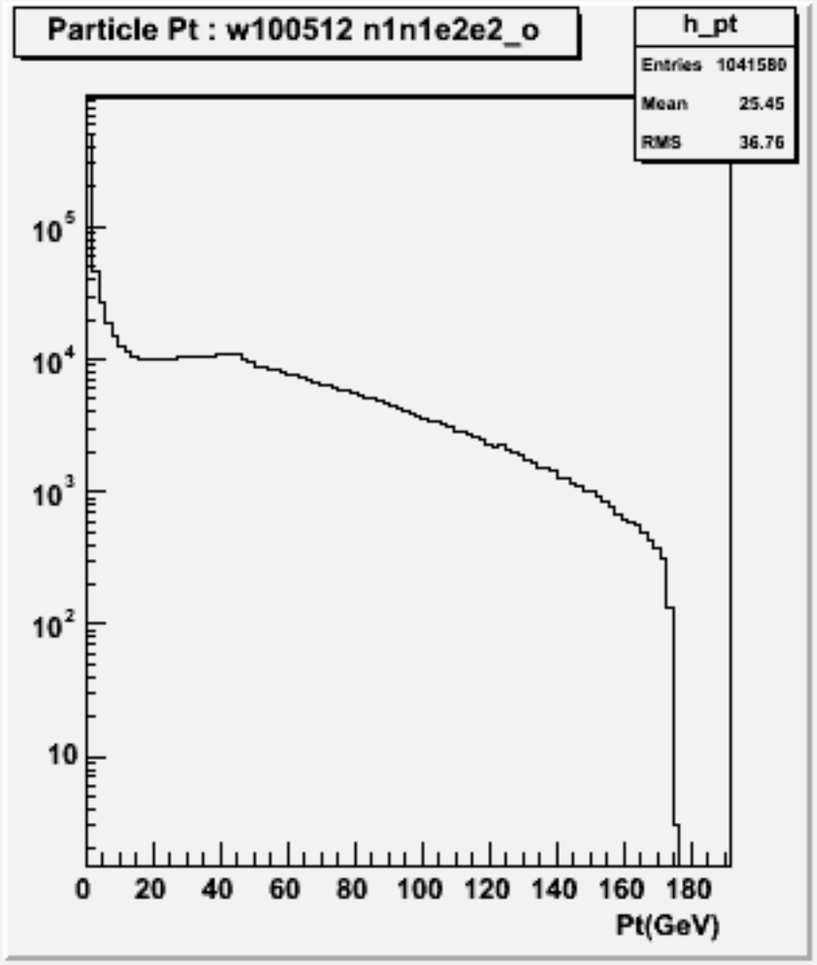

Jet energies(All jets)w100508 cccc_o
ha_j0e
Entries 161216
Mean 83.68
RMS 48.37
E(Jet)

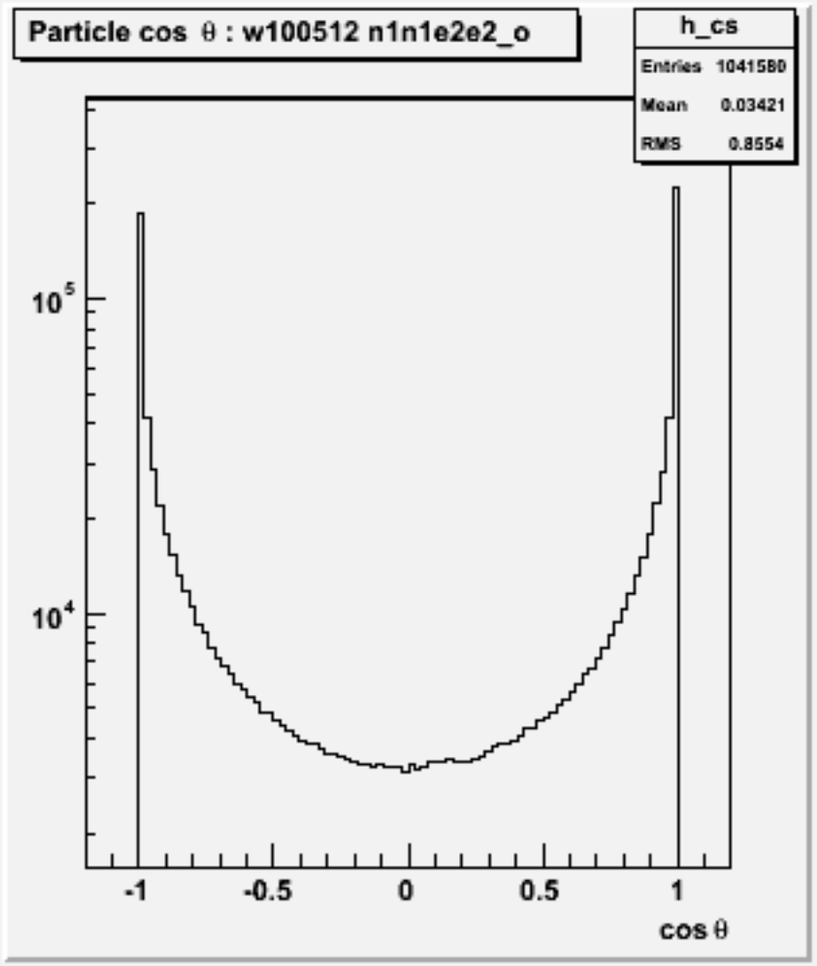

Jet cosθ (All jets)w100508 cccc_o
ha_j0cs
Entries 161216
Mean 0.07797
RMS 0.7322
cos θ

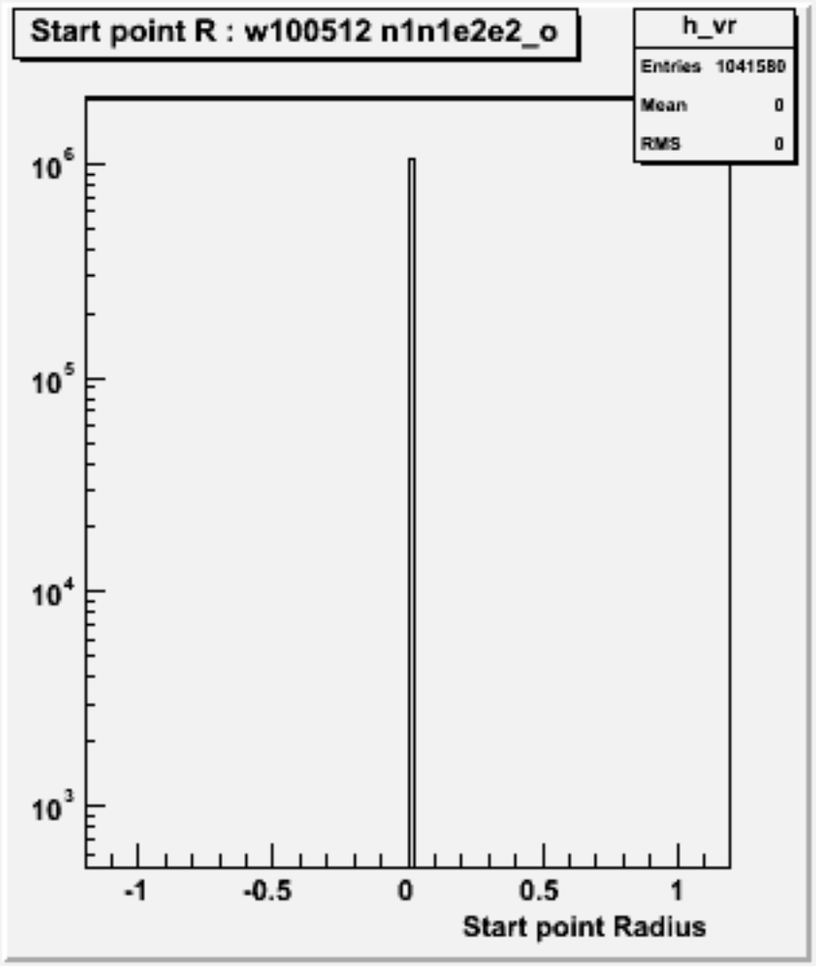

2jets mass(All comb)w100508 cccc_o
ha_m01
Entries 241824
Mean 123.1
RMS 72.71
M(J_iJ_k) (GeV)

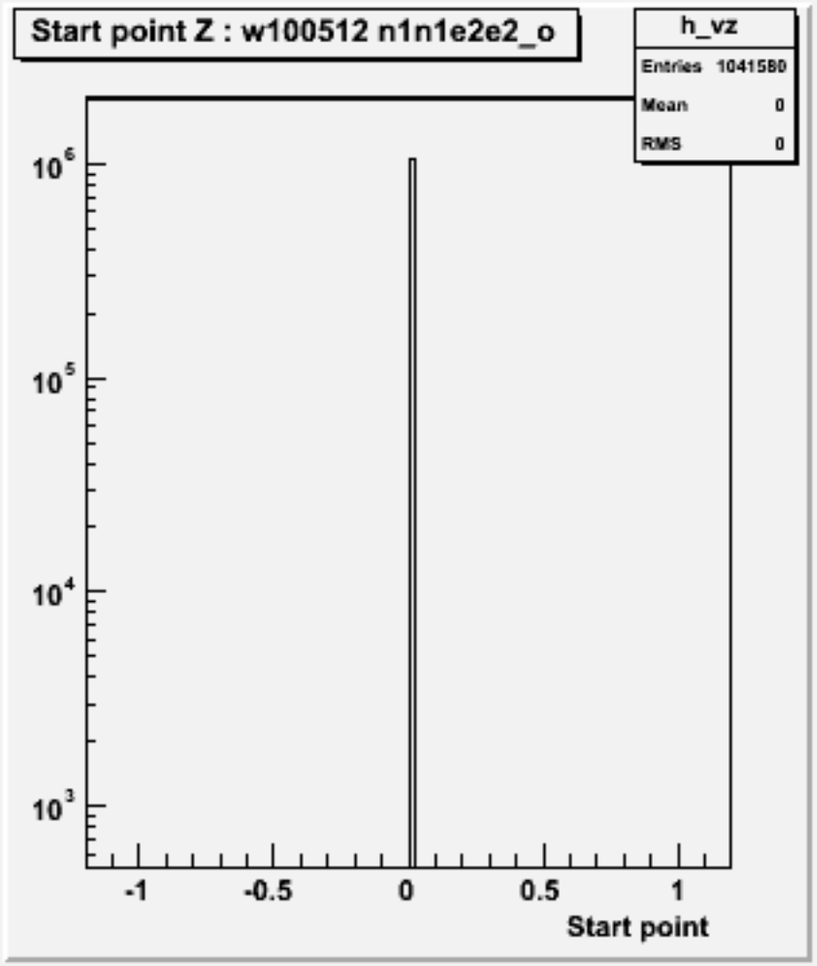

Particle ID : w100512 n1n1e2e2_o
h_id
Entries 1041580
Mean 8.088
RMS 14.54
10^5
-15 -10 -5 0 5 10 15 20 25
Particle ID

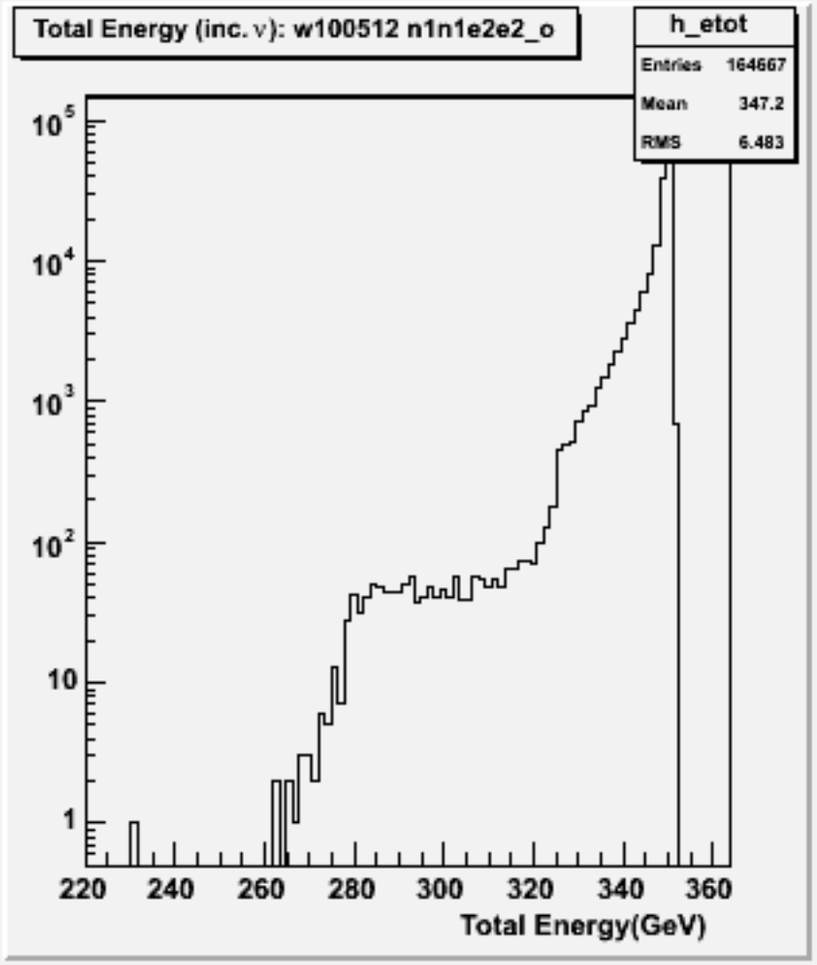

Particle Energy : w100512 n1n1e2e2_o
h_e
Entries 1041580
Mean 54.89
RMS 64.8
10^5
10^4
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

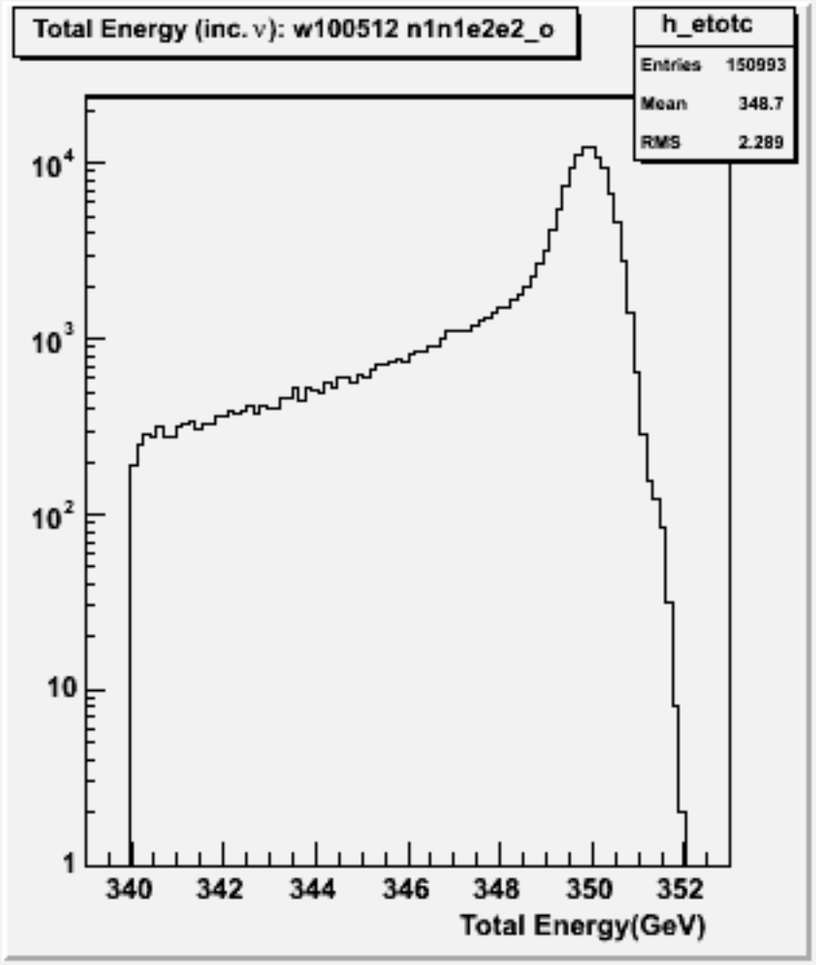

Particle Pt : w100512 n1n1e2e2_o
h_pt
Entries 1041580
Mean 25.45
RMS 36.76
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

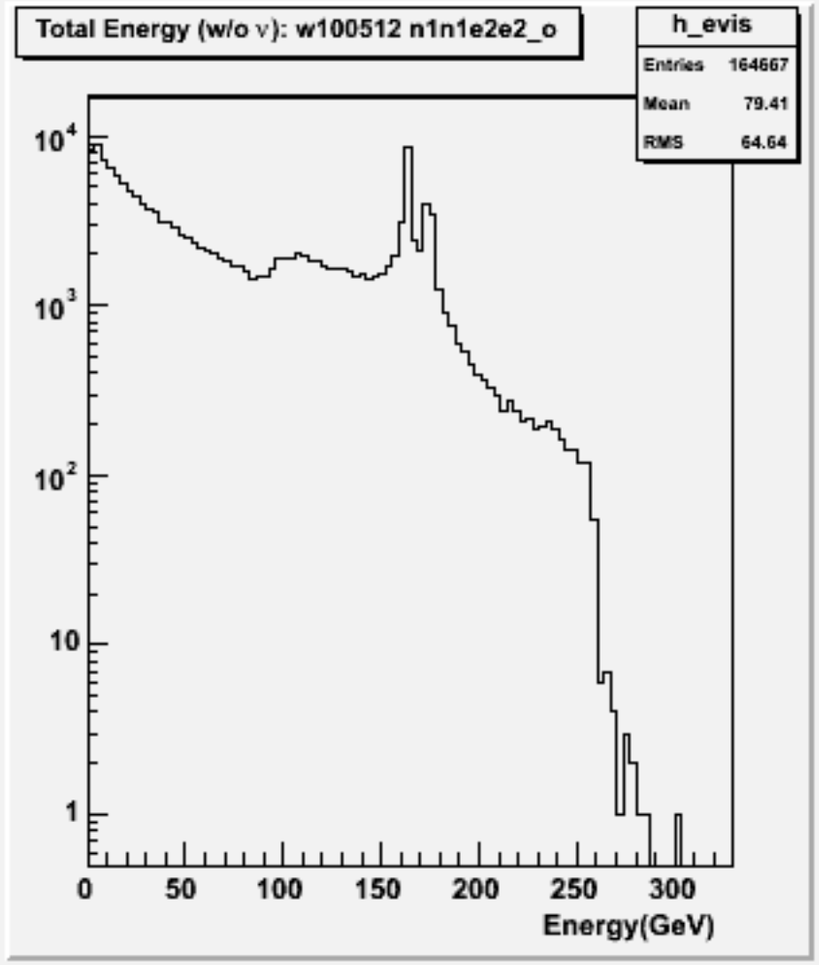

Particle cos θ : w100512 n1n1e2e2_o
h_cs
Entries 1041580
Mean 0.03421
RMS 0.8554
10^5
10^4
-1 -0.5 0 0.5 1
cos θ

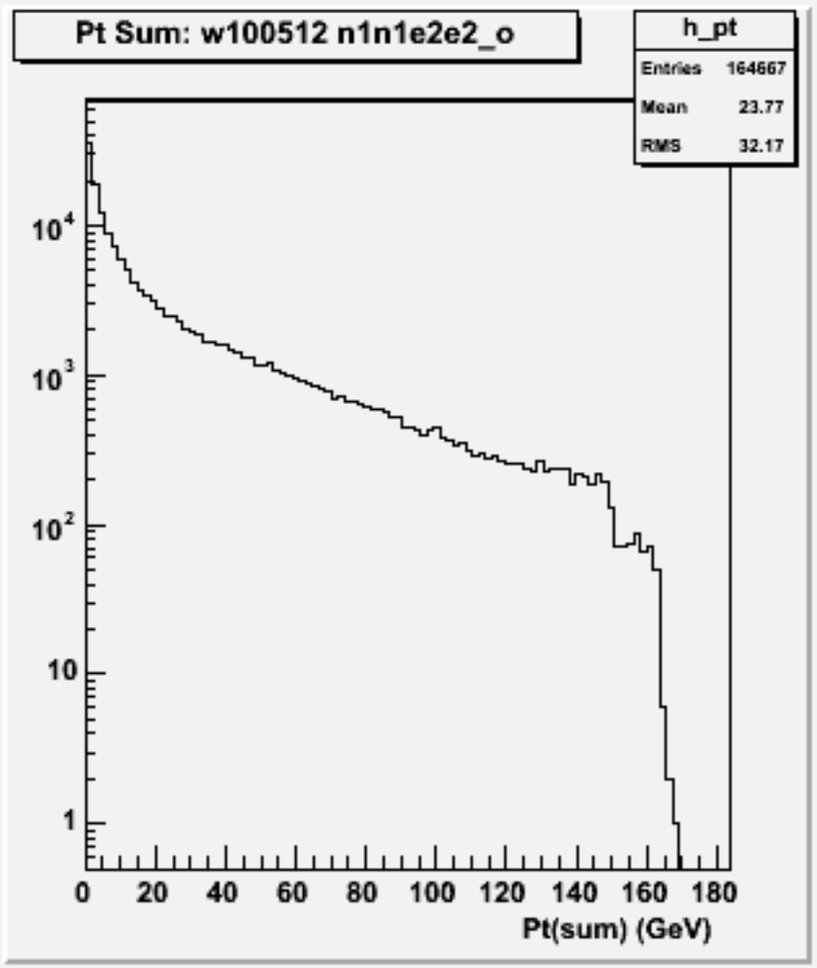

Start point R : w100512 n1n1e2e2_o
h_vr
Entries 1041580
Mean 0
RMS 0
10^6
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point Radius

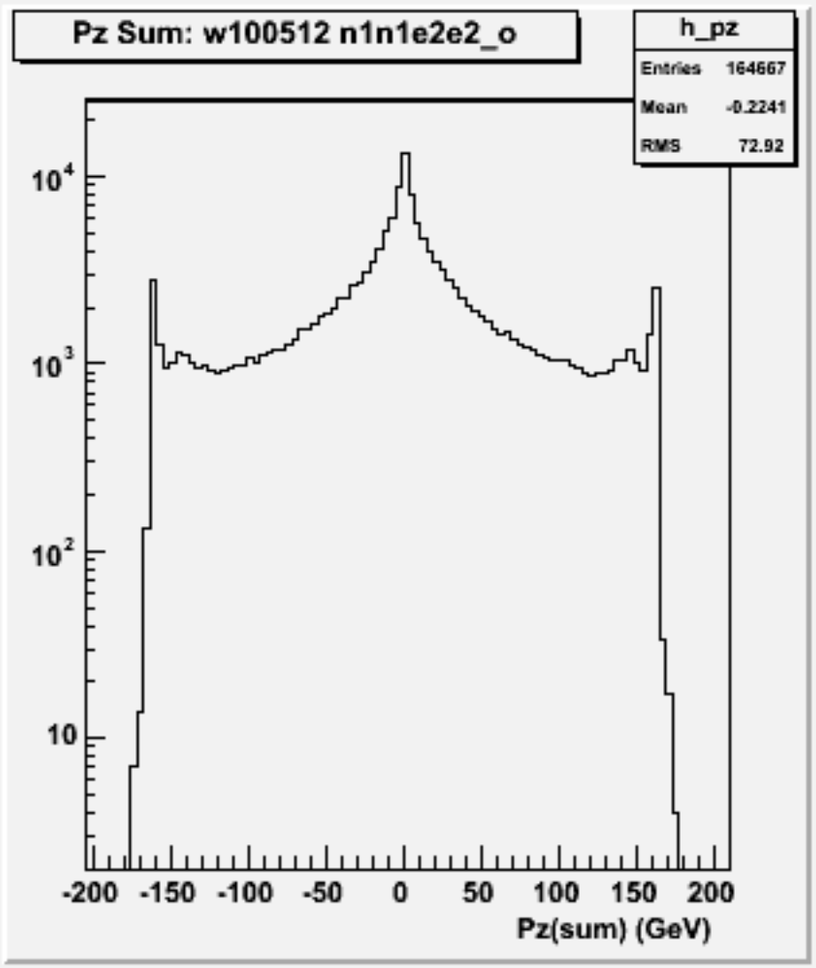

Start point Z : w100512 n1n1e2e2_o
h_vz
Entries 1041580
Mean 0
RMS 0
10^6
10^5
10^4
10^3
-1 -0.5 0 0.5 1
Start point

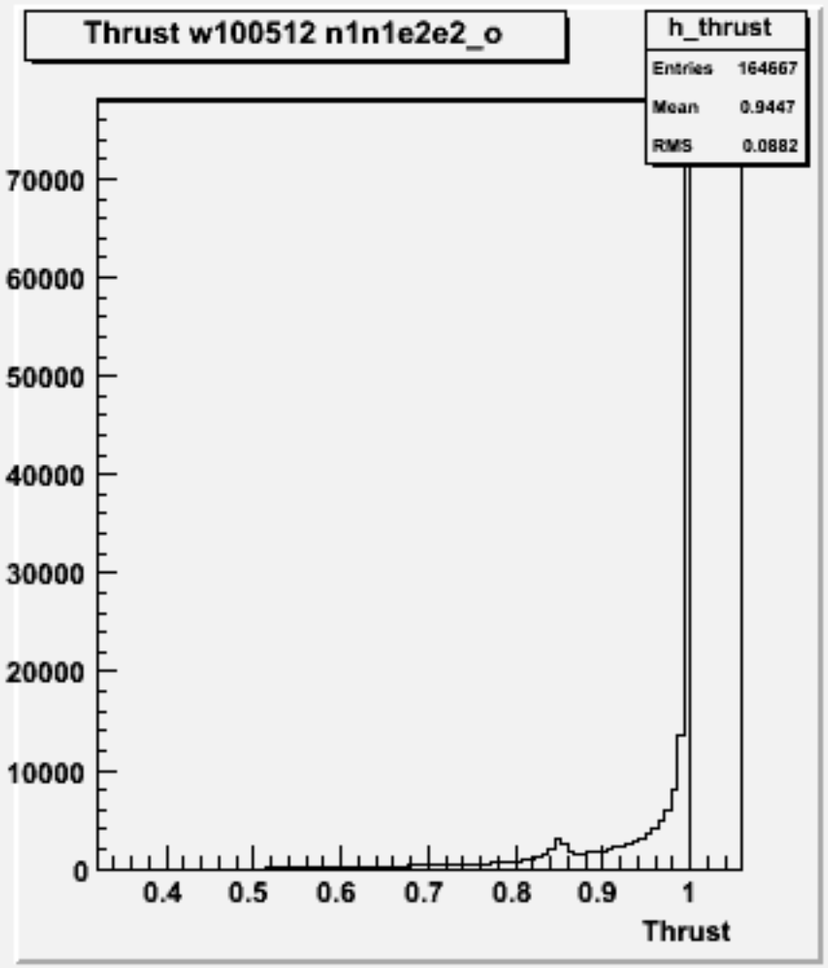

Total Energy (inc. ν): w100512 n1n1e2e2_o
h_etot
Entries 164667
Mean 347.2
RMS 6.483
Total Energy(GeV)

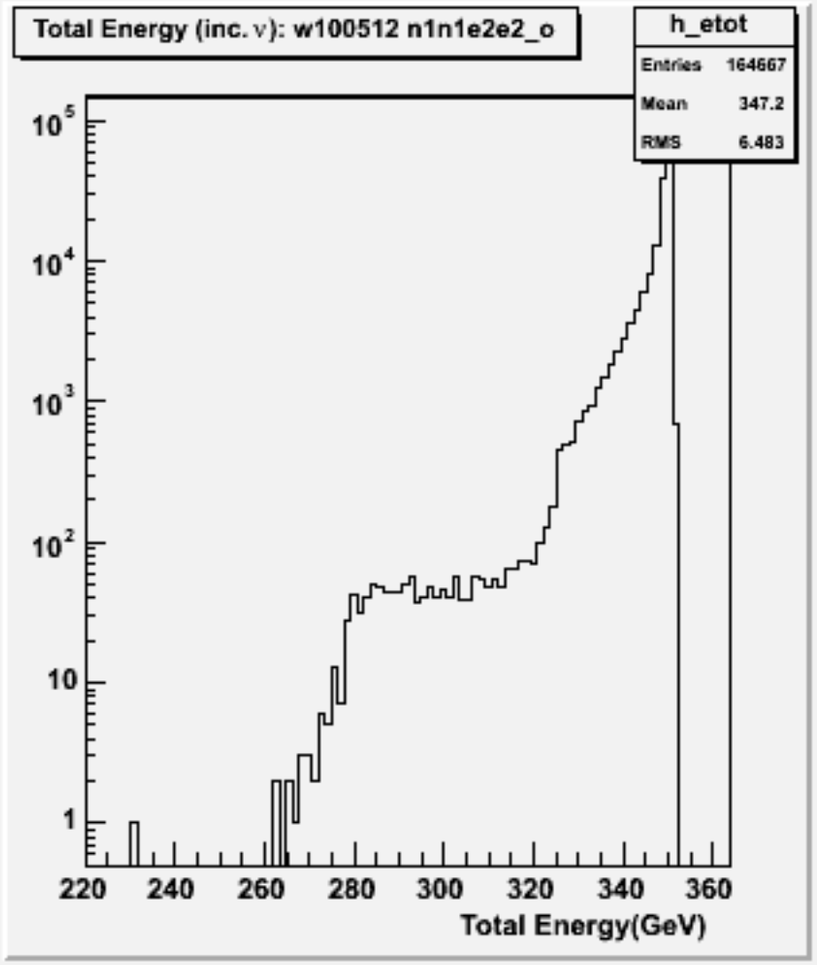

Total Energy (inc. ν): w100512 n1n1e2e2_o
h_etotc
Entries 150993
Mean 348.7
RMS 2.289
Total Energy(GeV)

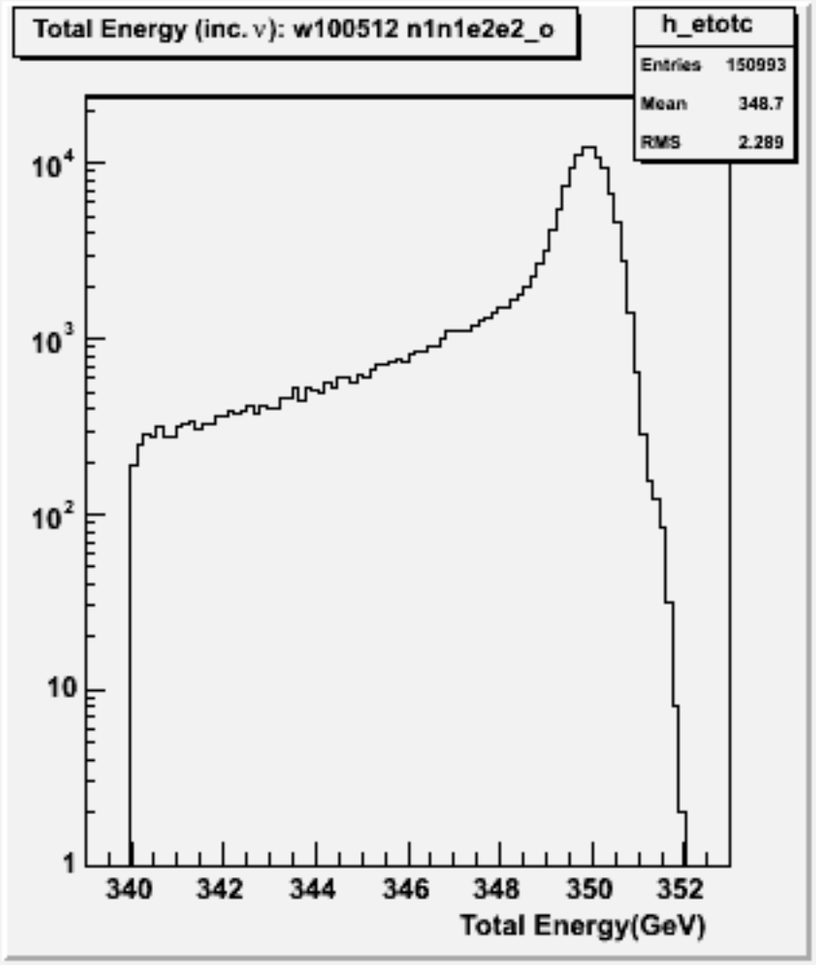

Total Energy (w/o ν): w100512 n1n1e2e2_o
h_evis
Entries 164667
Mean 79.41
RMS 64.64
Energy(GeV)

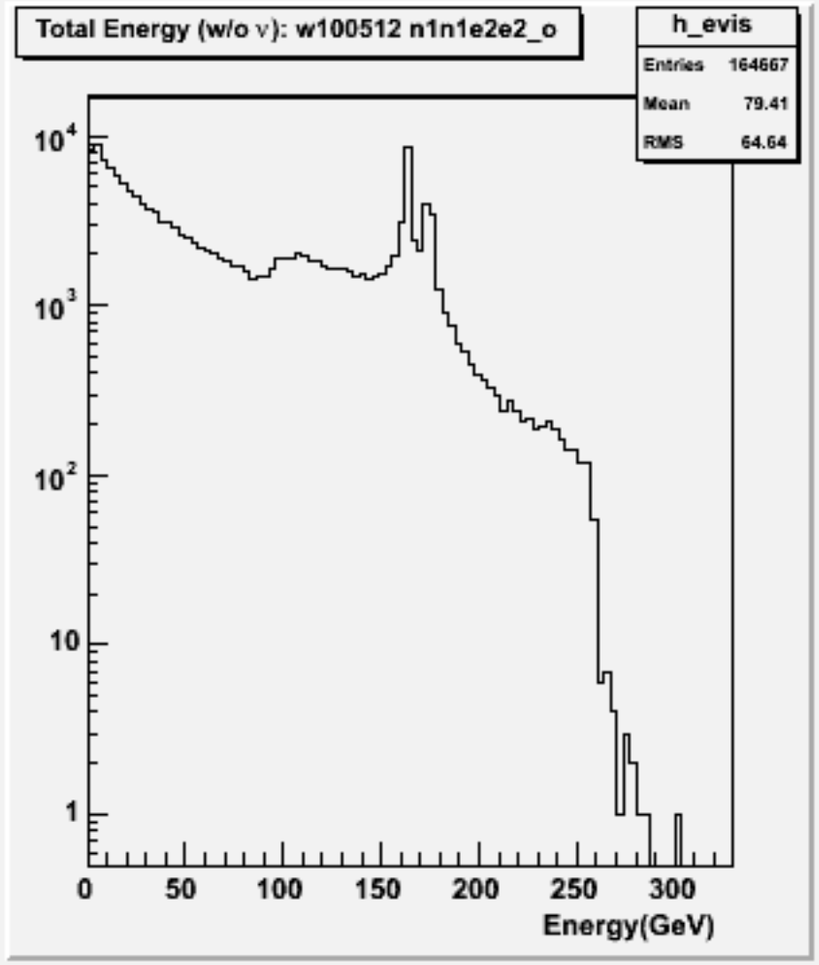

Pt Sum: w100512 n1n1e2e2_o
h_pt
Entries 164667
Mean 23.77
RMS 32.17
Pt(sum) (GeV)

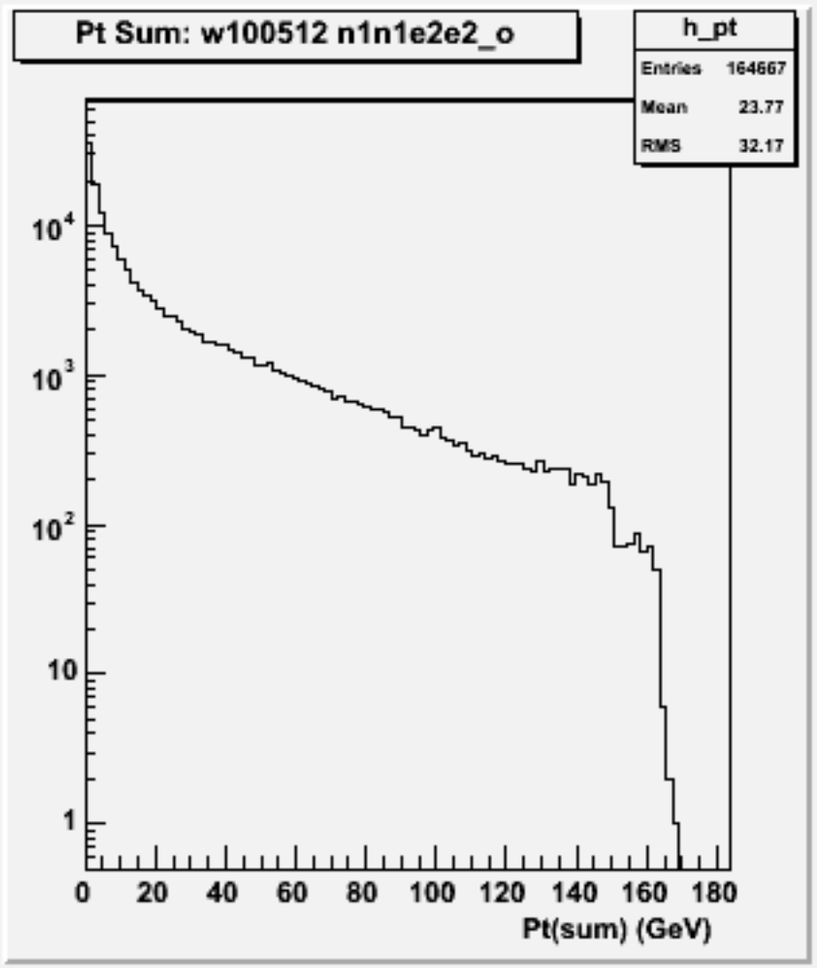

Pz Sum: w100512 n1n1e2e2_o
h_pz
Entries 164667
Mean -0.2241
RMS 72.92
Pz(sum) (GeV)

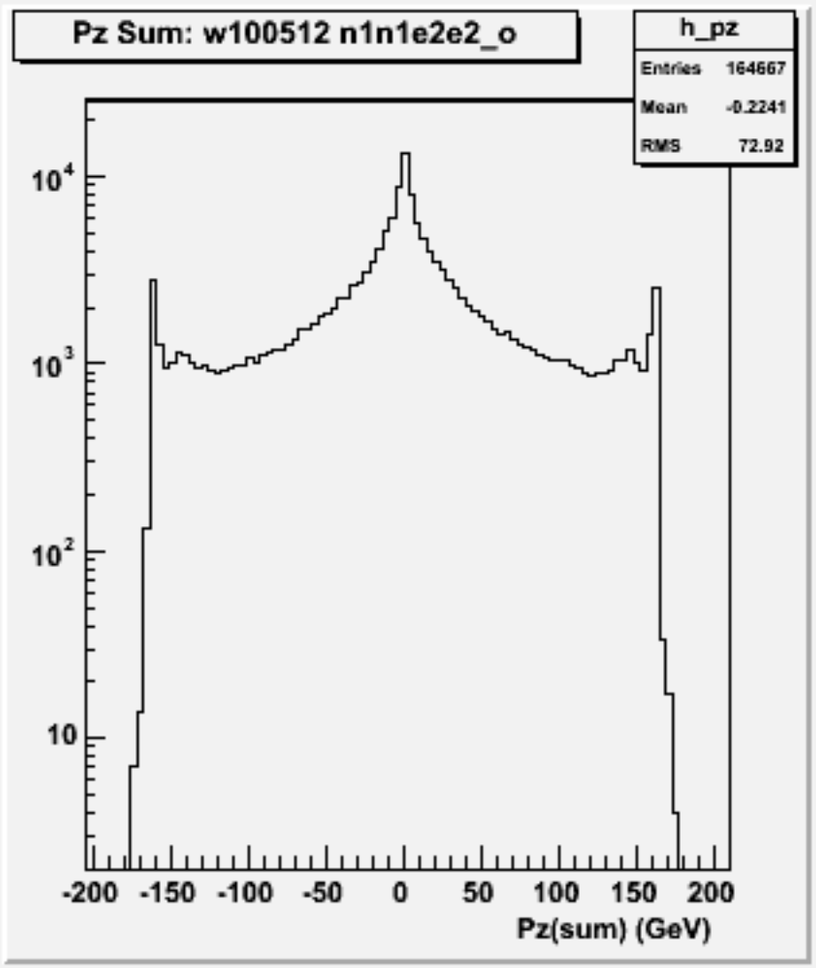

Thrust w100512 n1n1e2e2_o
h_thrust
Entries 164667
Mean 0.9447
RMS 0.0882
Thrust

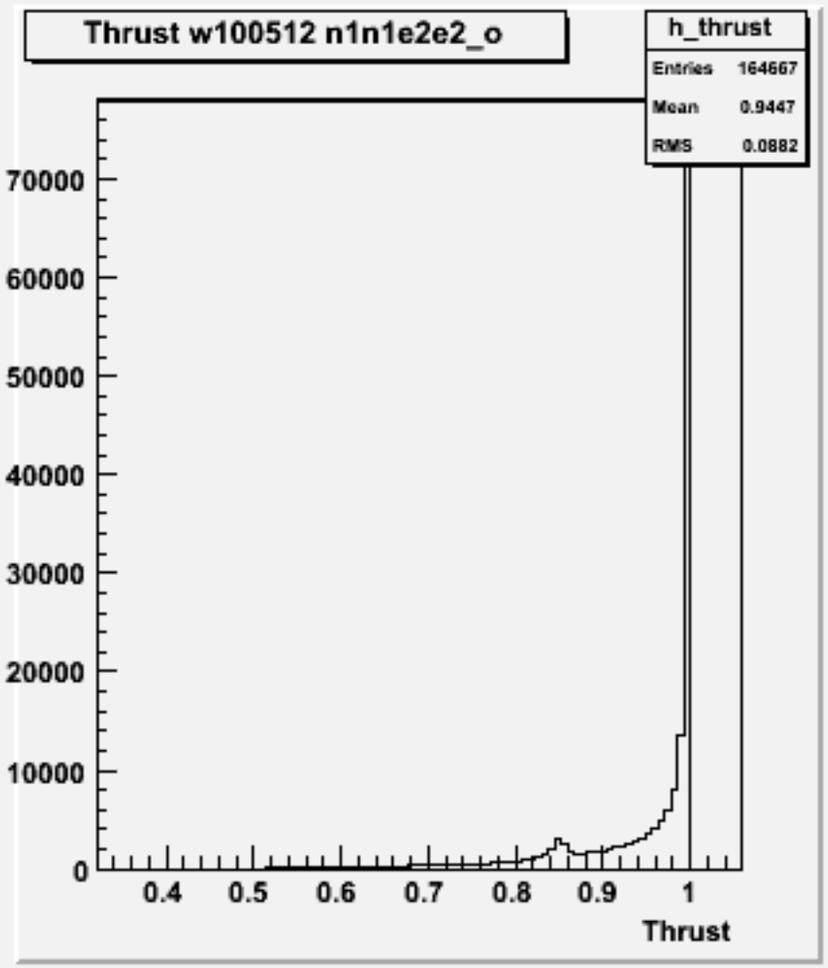

Total Energy (inc. ν): w100512 n1n1e2e2_o
h_etot
Entries 164667
Mean 347.2
RMS 6.483
Total Energy(GeV)

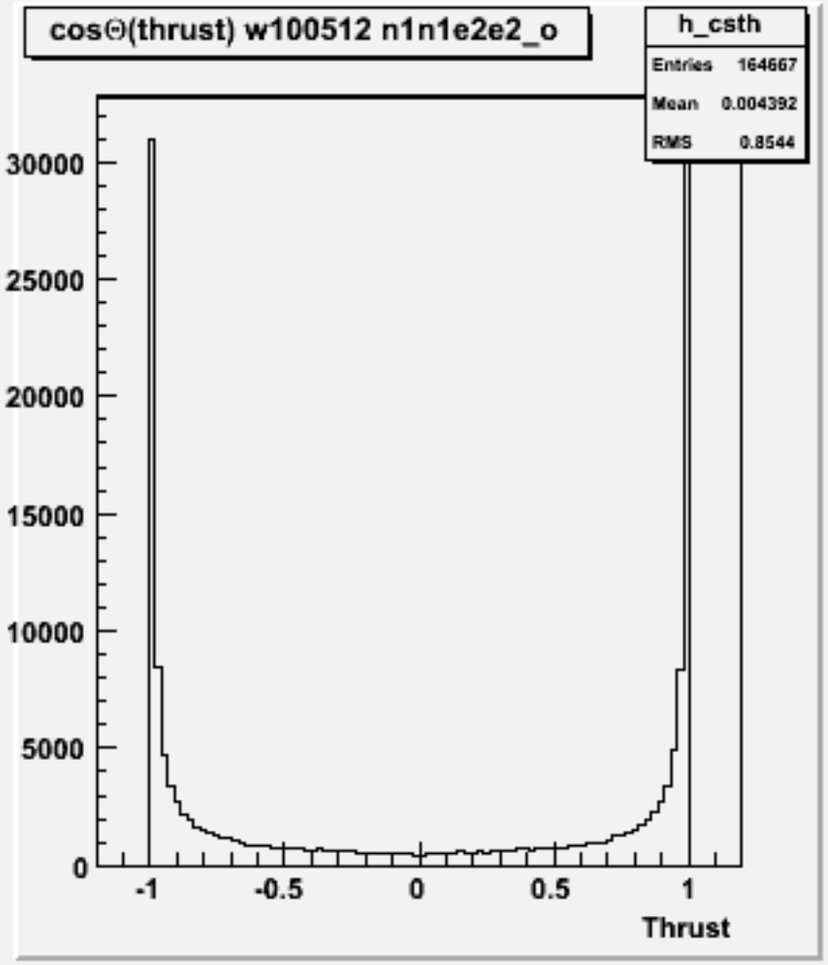

Total Energy (inc. ν): w100512 n1n1e2e2_o
h_etotc
Entries 150993
Mean 348.7
RMS 2.289
Total Energy(GeV)

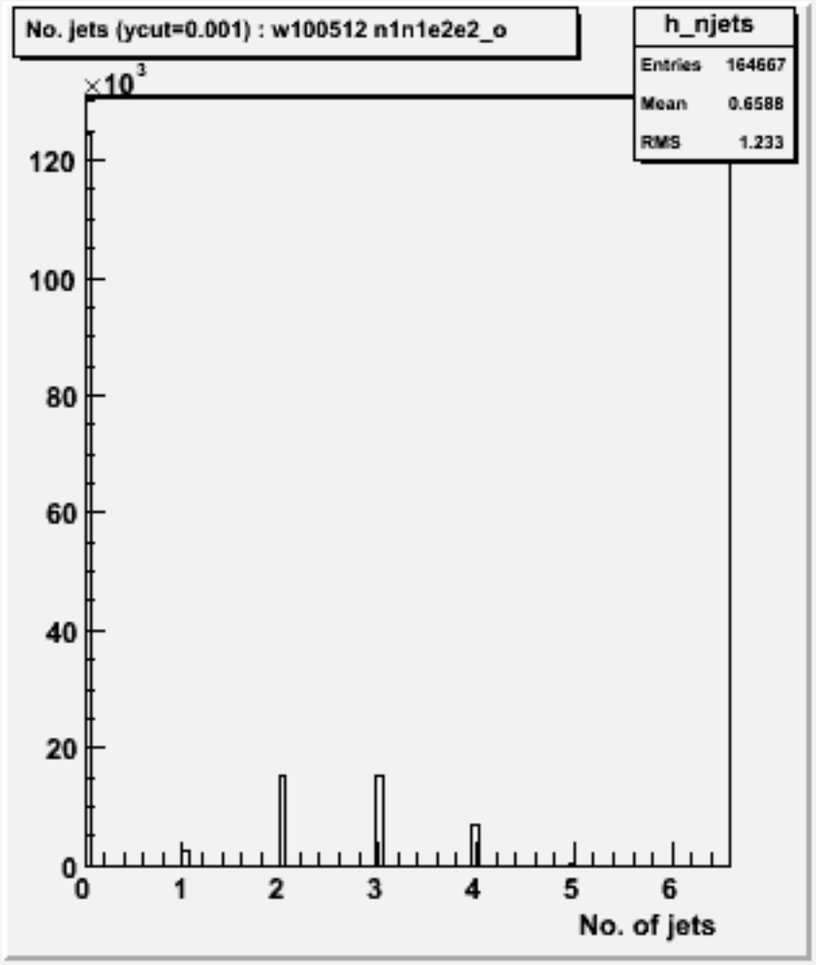

Total Energy (w/o ν): w100512 n1n1e2e2_o
h_evis
Entries 164667
Mean 79.41
RMS 64.64
Energy(GeV)

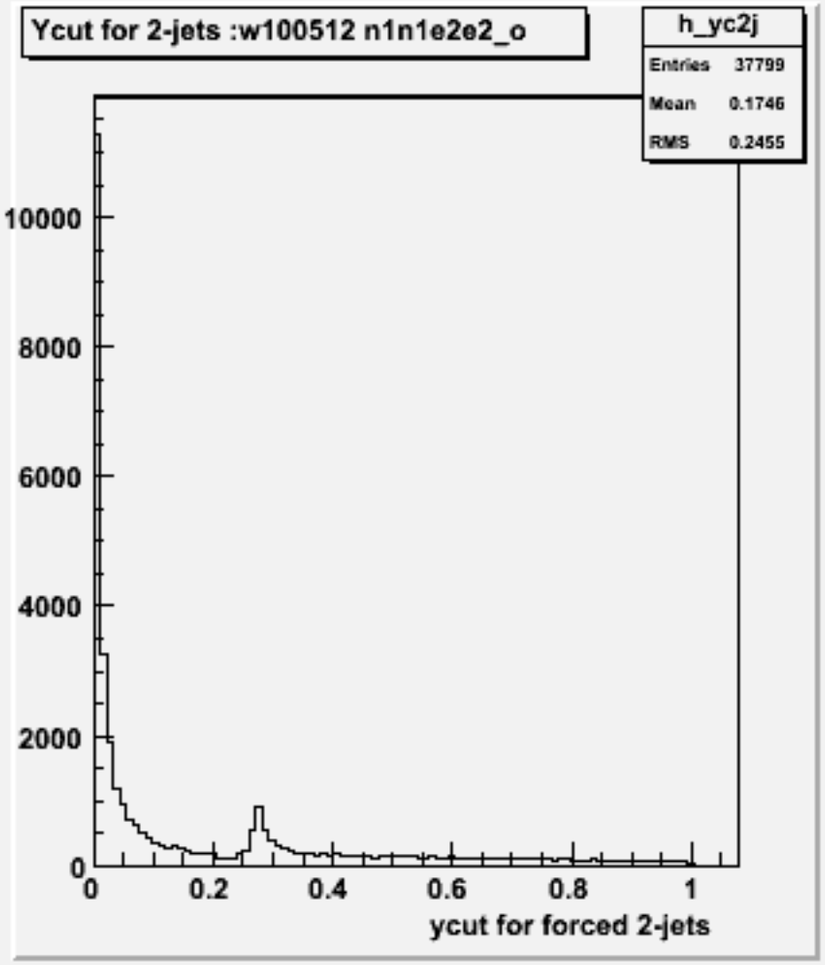

Pt Sum: w100512 n1n1e2e2_o
h_pt
Entries 164667
Mean 23.77
RMS 32.17
Pt(sum) (GeV)

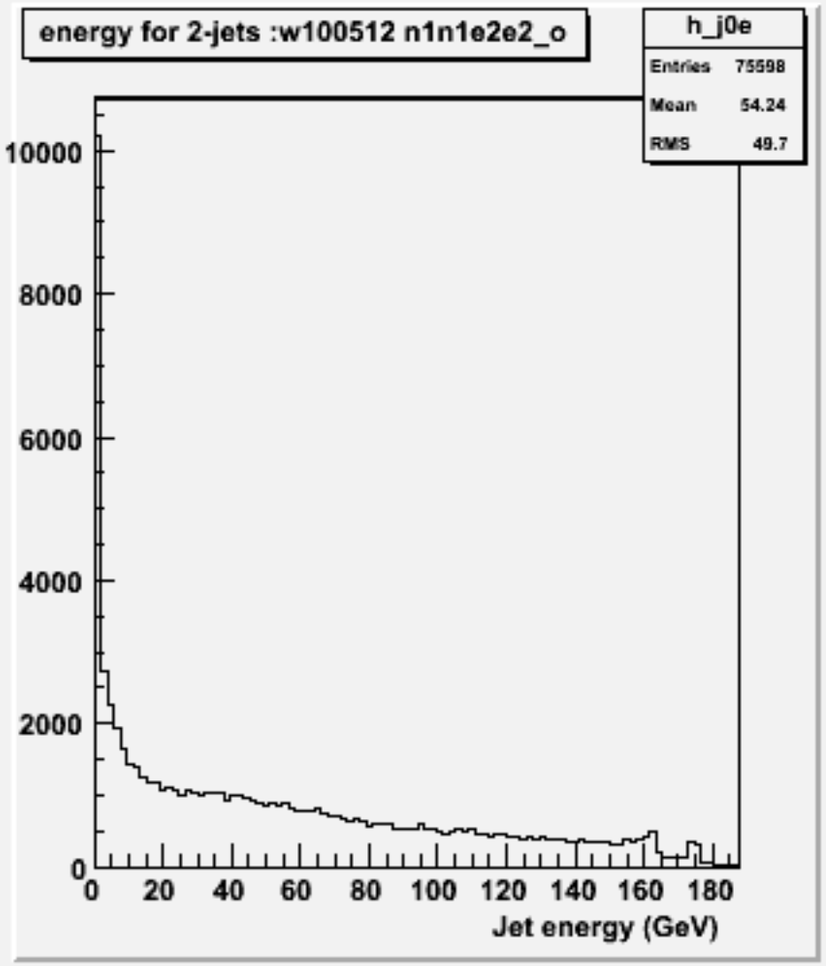

Pz Sum: w100512 n1n1e2e2_o
h_pz
Entries 164667
Mean -0.2241
RMS 72.92
Pz(sum) (GeV)

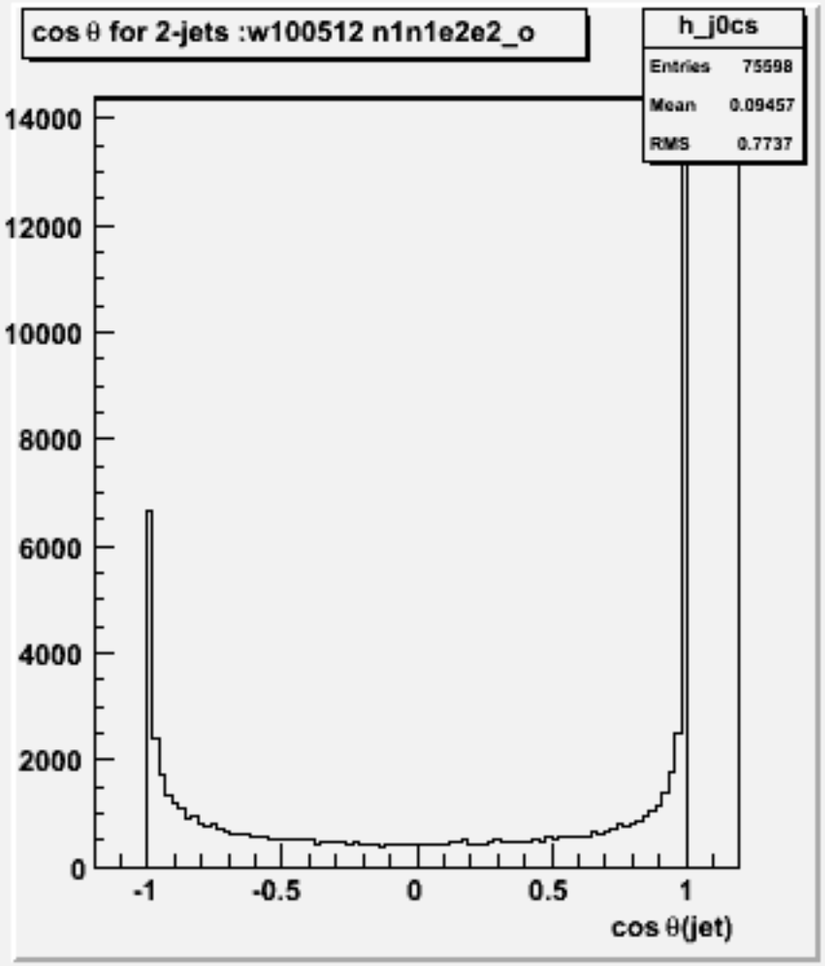

Thrust w100512 n1n1e2e2_o
h_thrust
Entries 164667
Mean 0.9447
RMS 0.0882
Thrust

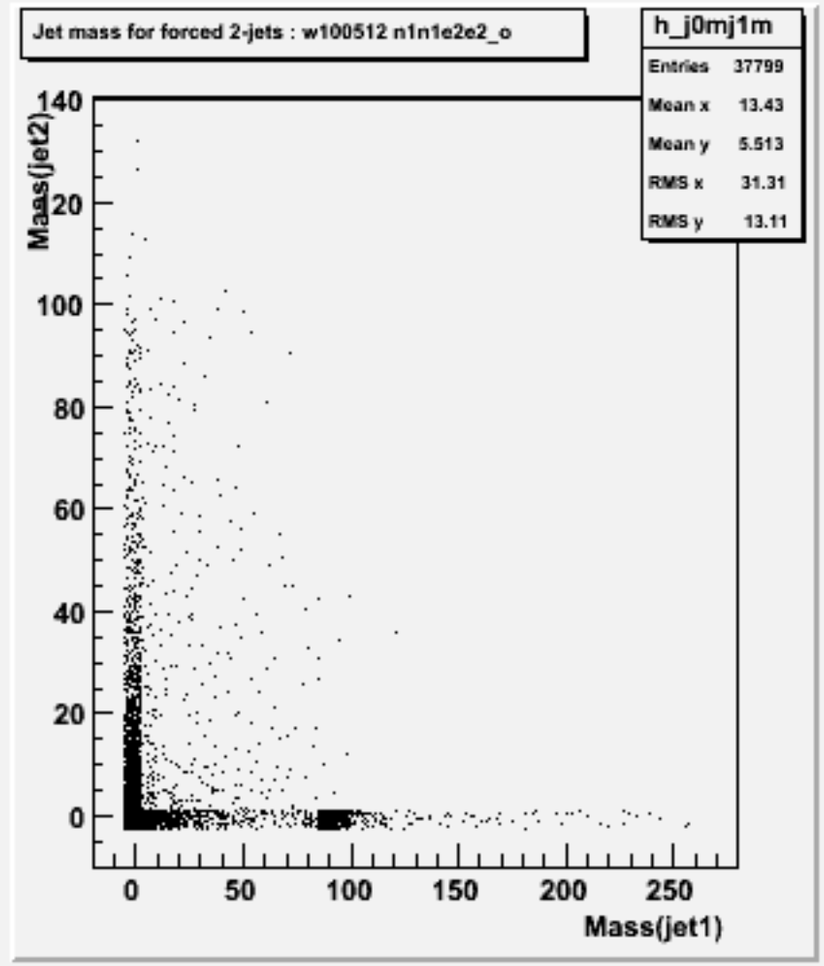

cosΘ(thrust) w100512 n1n1e2e2_o
h_csth
Entries 164667
Mean 0.004392
RMS 0.8544
Thrust

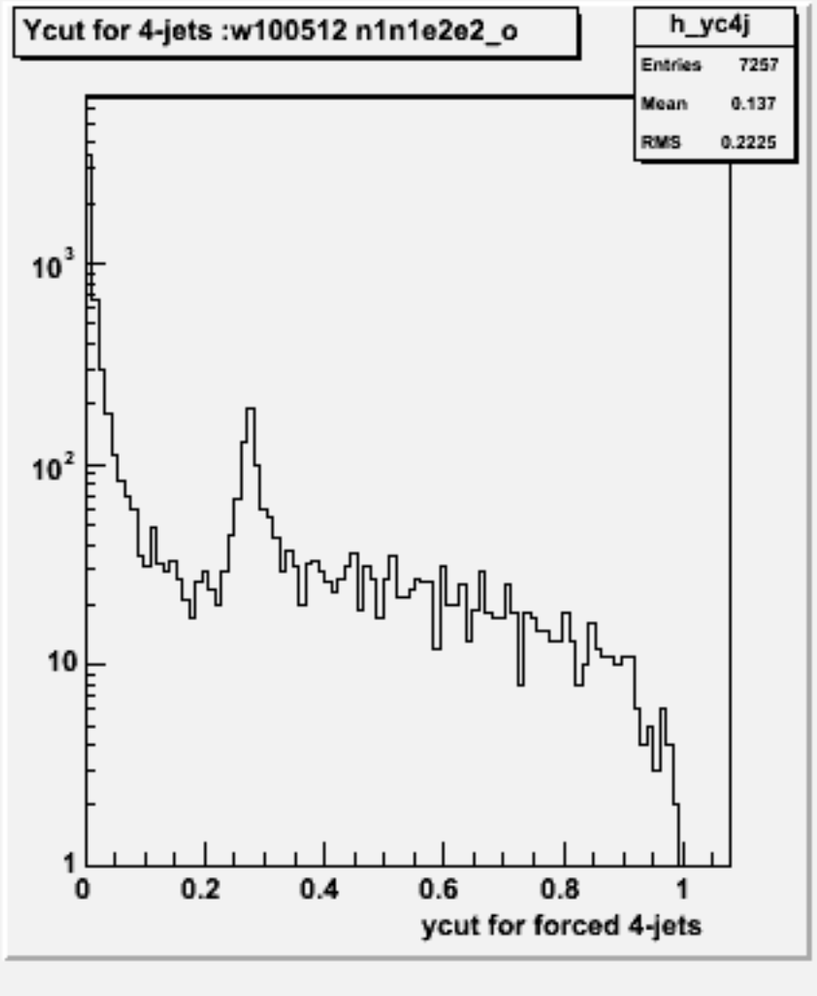

No. jets (ycut=0.001) : w100512 n1n1e2e2_o
h_njets
Entries 164667
Mean 0.6588
RMS 1.233
No. of jets

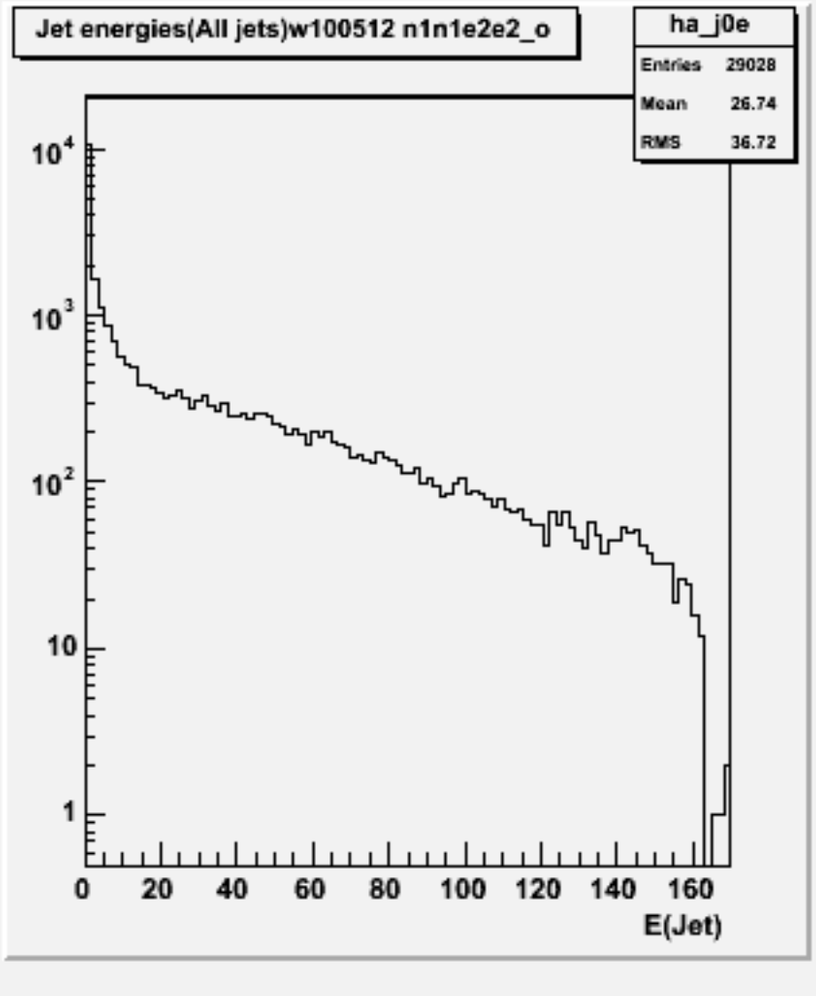

Ycut for 2-jets :w100512 n1n1e2e2_o
h_yc2j
Entries 37799
Mean 0.1746
RMS 0.2455
ycut for forced 2-jets

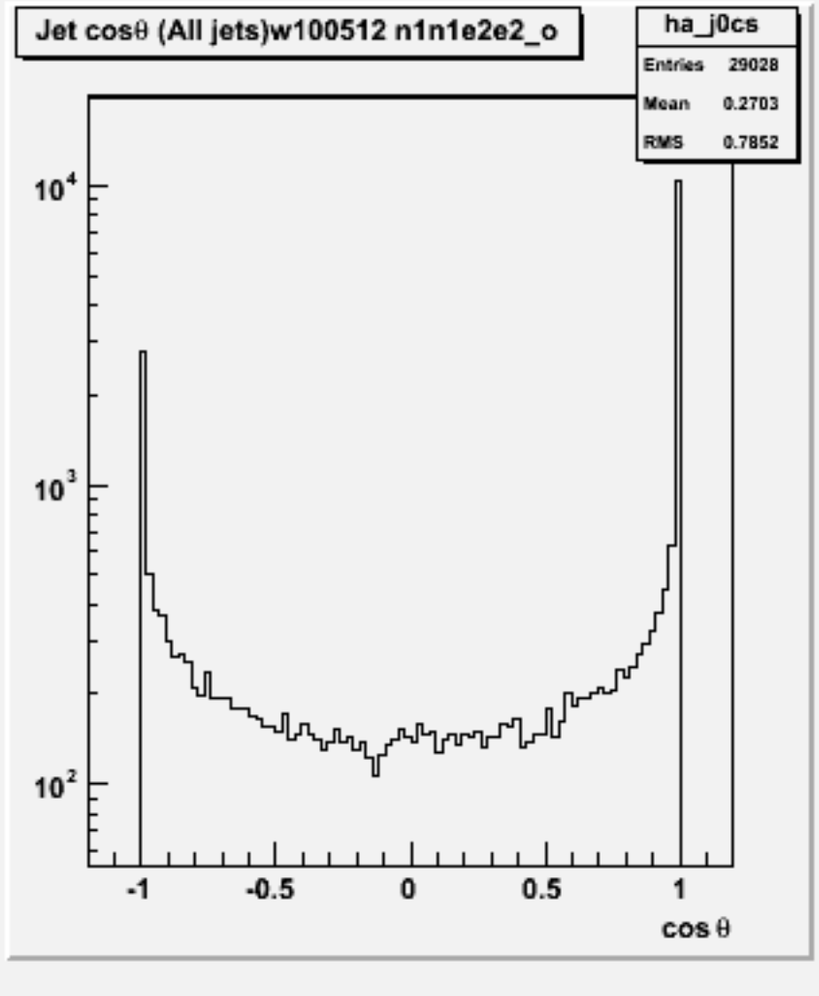

energy for 2-jets :w100512 n1n1e2e2_o
h_j0e
Entries 75598
Mean 54.24
RMS 49.7
Jet energy (GeV)

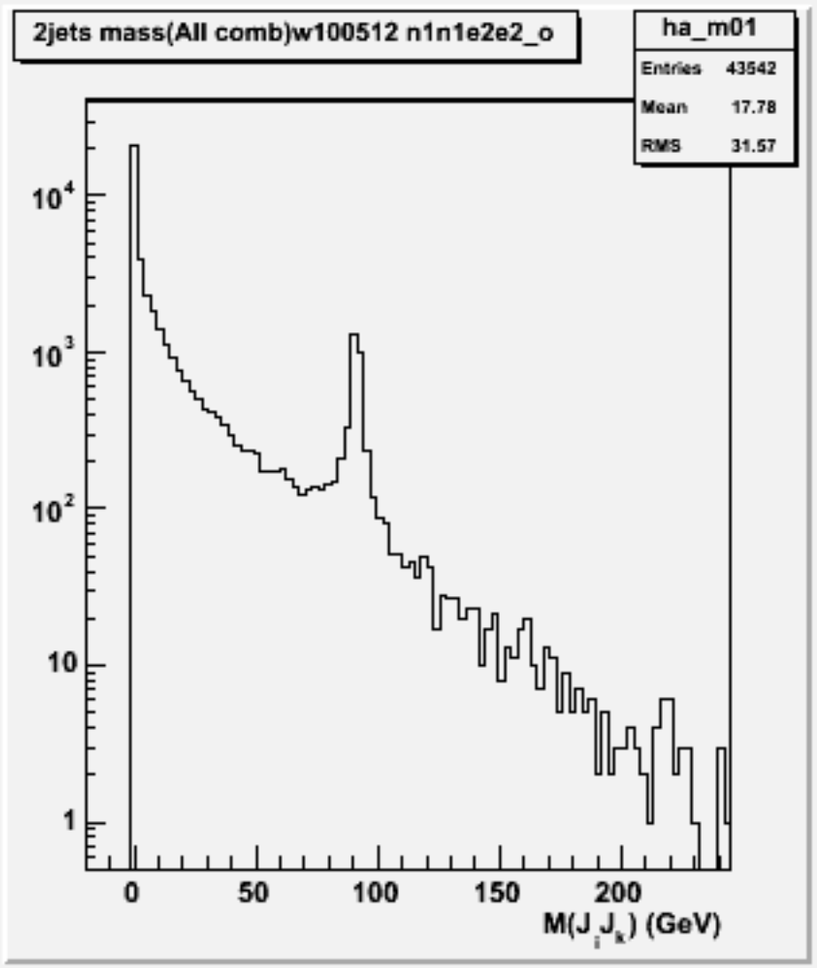

cos θ for 2-jets :w100512 n1n1e2e2_o
h_j0cs
Entries 75598
Mean 0.09457
RMS 0.7737
cos θ(jet)

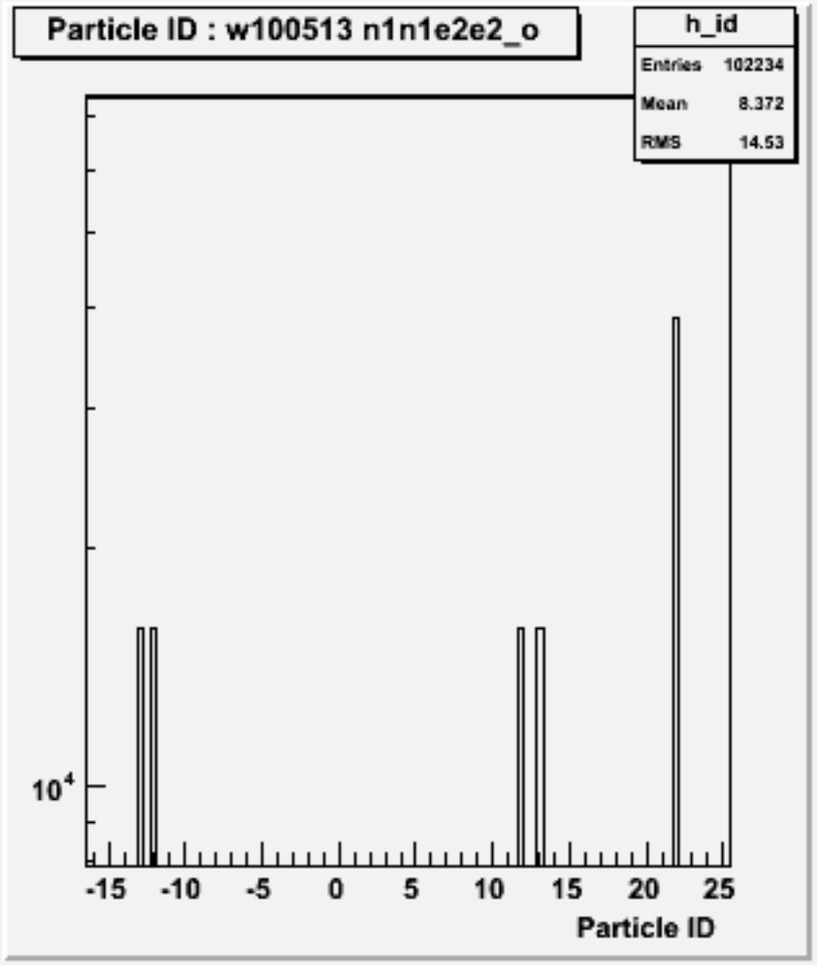

Jet mass for forced 2-jets : w100512 n1n1e2e2_o
h_j0mj1m
Entries 37799
Mean x 13.43
Mean y 5.513
RMS x 31.31
RMS y 13.11
Mass(jet2)
Mass(jet1)

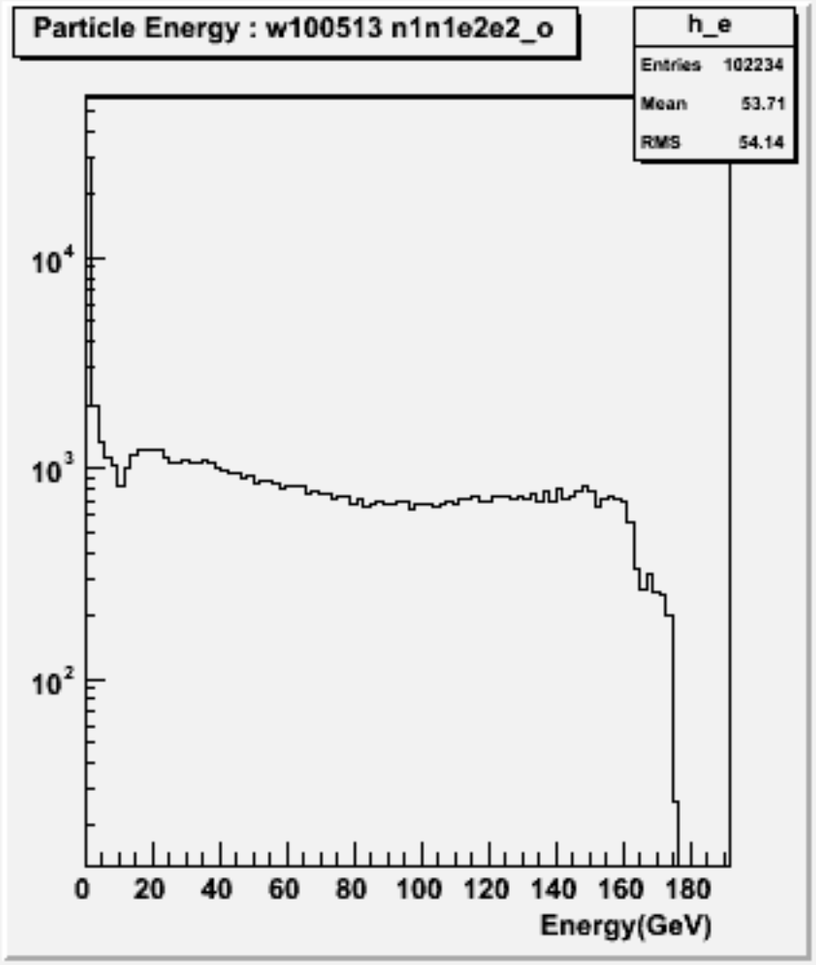

Ycut for 4-jets :w100512 n1n1e2e2_o
h_yc4j
Entries 7257
Mean 0.137
RMS 0.2225
ycut for forced 4-jets

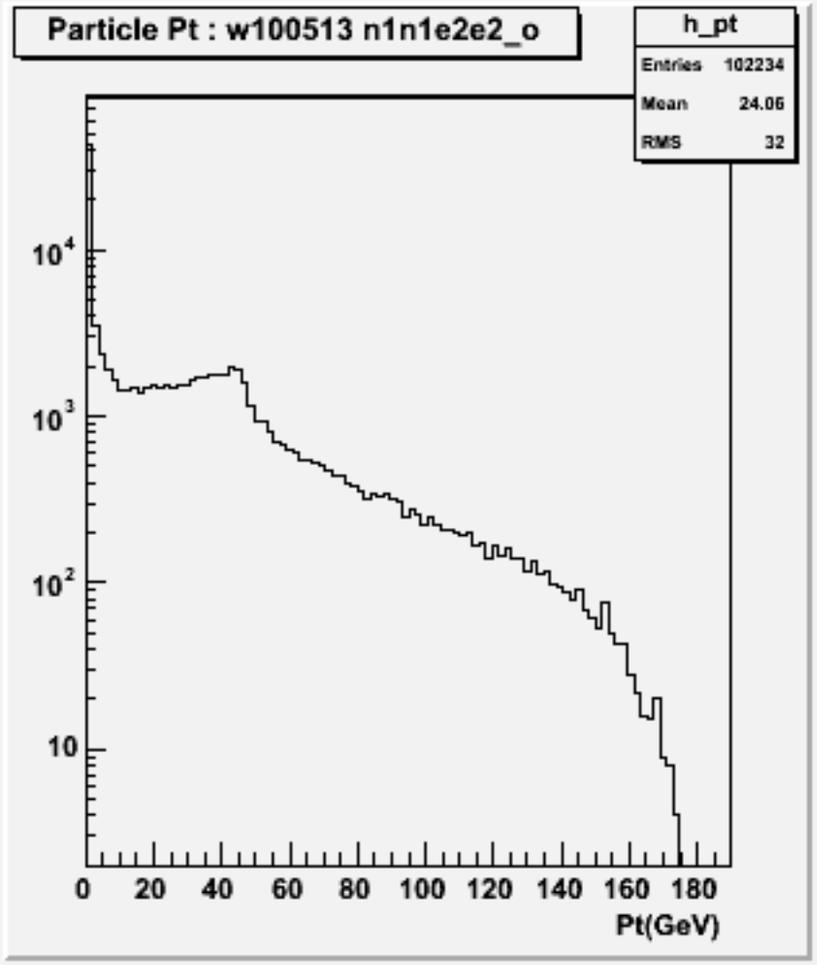

Jet energies(All jets)w100512 n1n1e2e2_o
ha_j0e
Entries 29028
Mean 26.74
RMS 36.72
E(Jet)

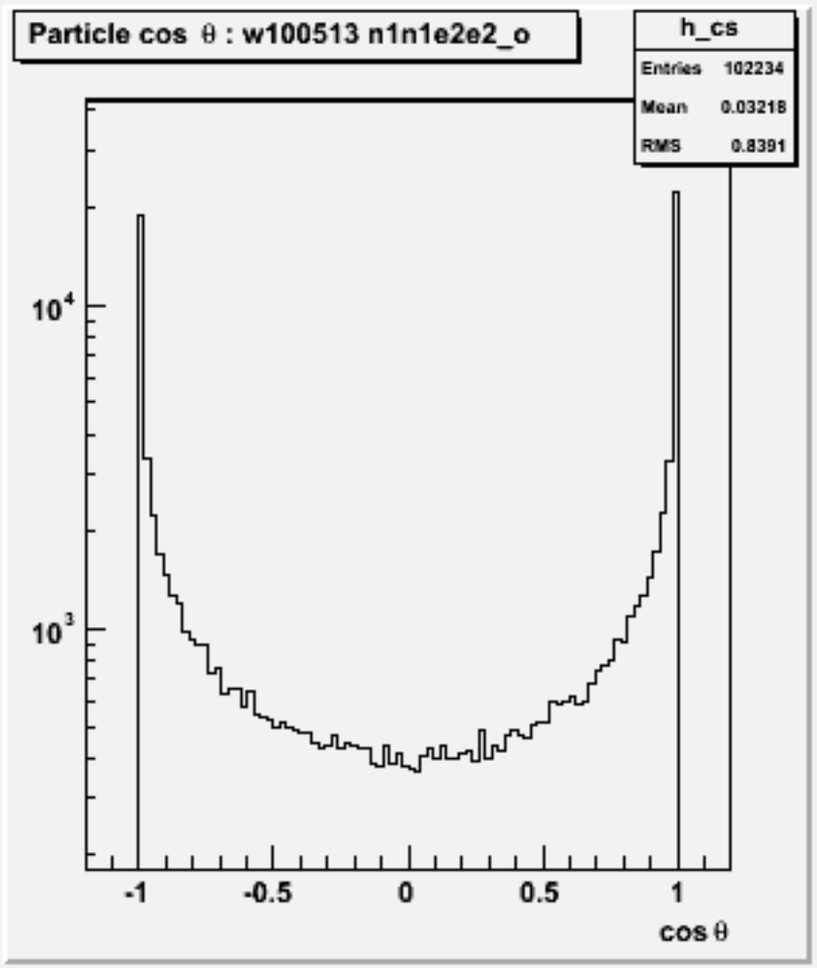

Jet cosθ (All jets)w100512 n1n1e2e2_o
ha_j0cs
Entries 29028
Mean 0.2703
RMS 0.7852
cos θ

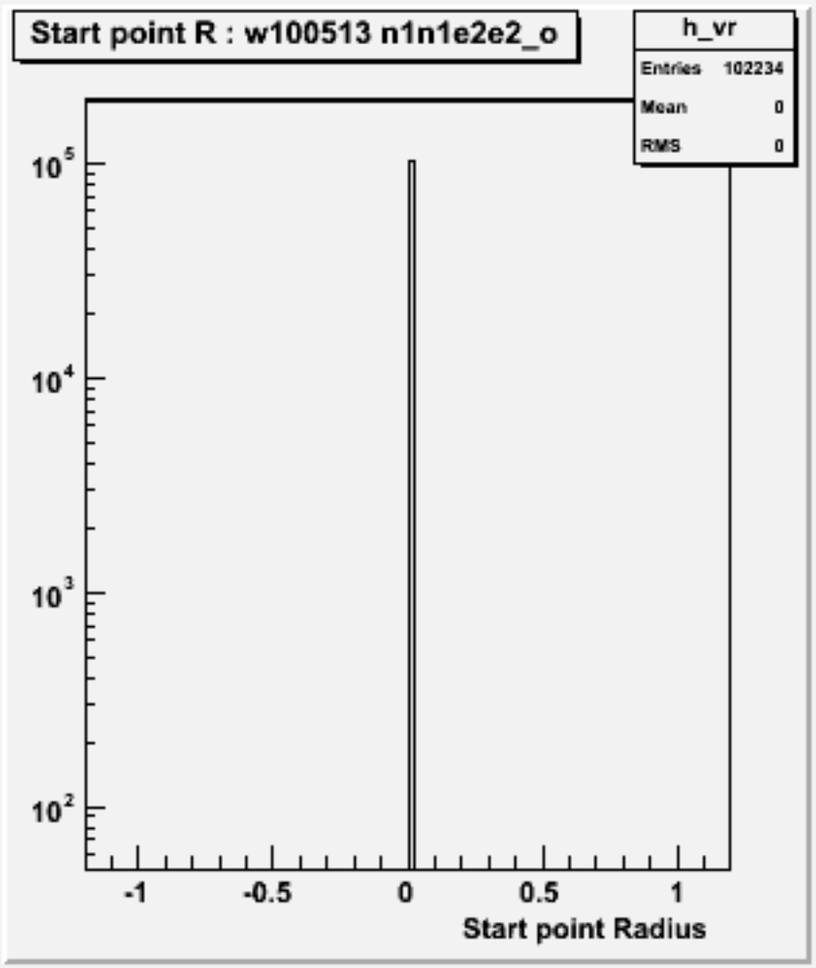

2jets mass(All comb)w100512 n1n1e2e2_o
ha_m01
Entries 43542
Mean 17.78
RMS 31.57
M(J_iJ_k) (GeV)

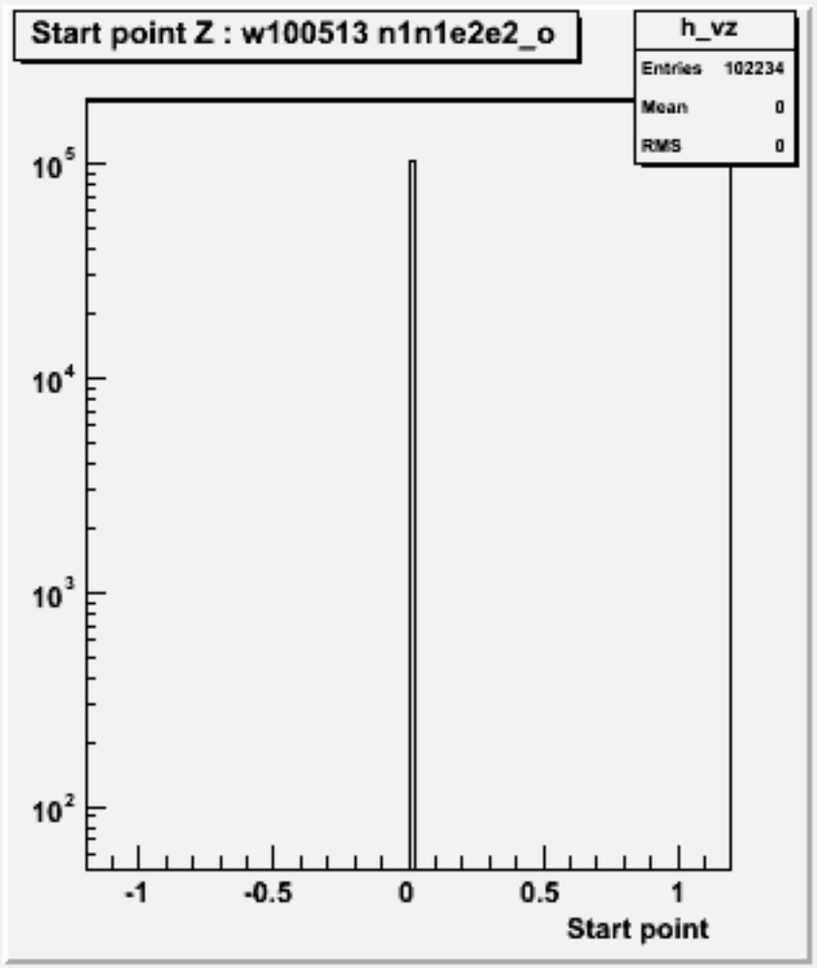

Particle ID : w100513 n1n1e2e2_o
h_id
Entries 102234
Mean 8.372
RMS 14.53
10^4
-15 -10 -5 0 5 10 15 20 25
Particle ID

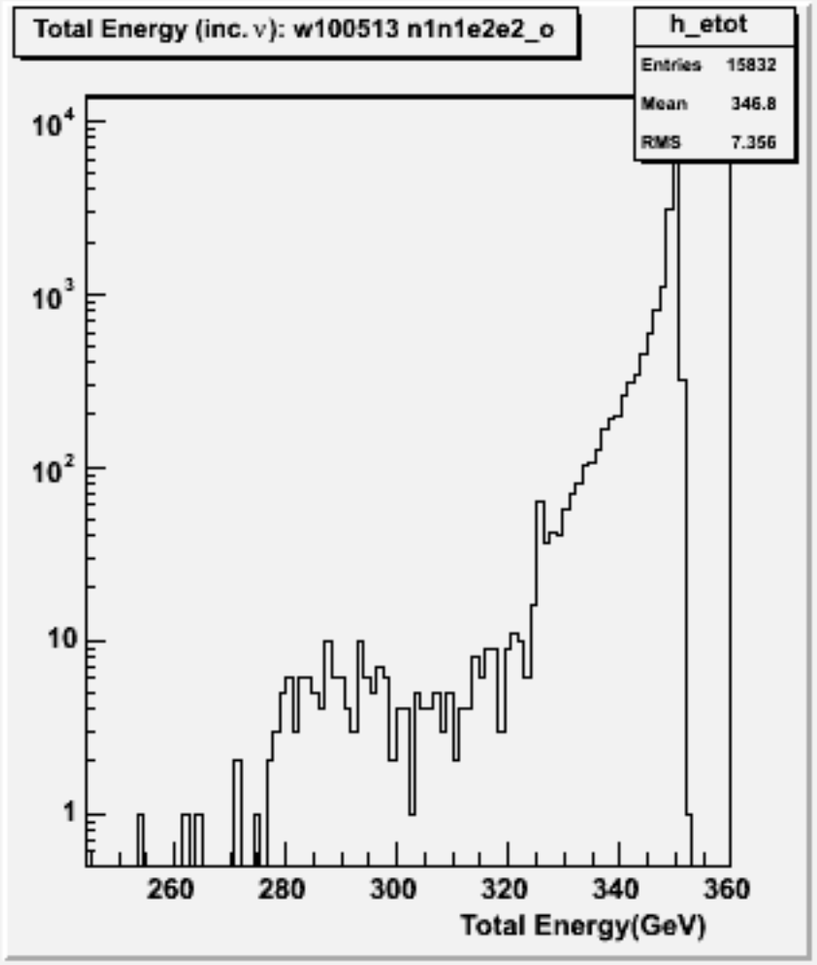

Particle Energy : w100513 n1n1e2e2_o
h_e
Entries 102234
Mean 53.71
RMS 54.14
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

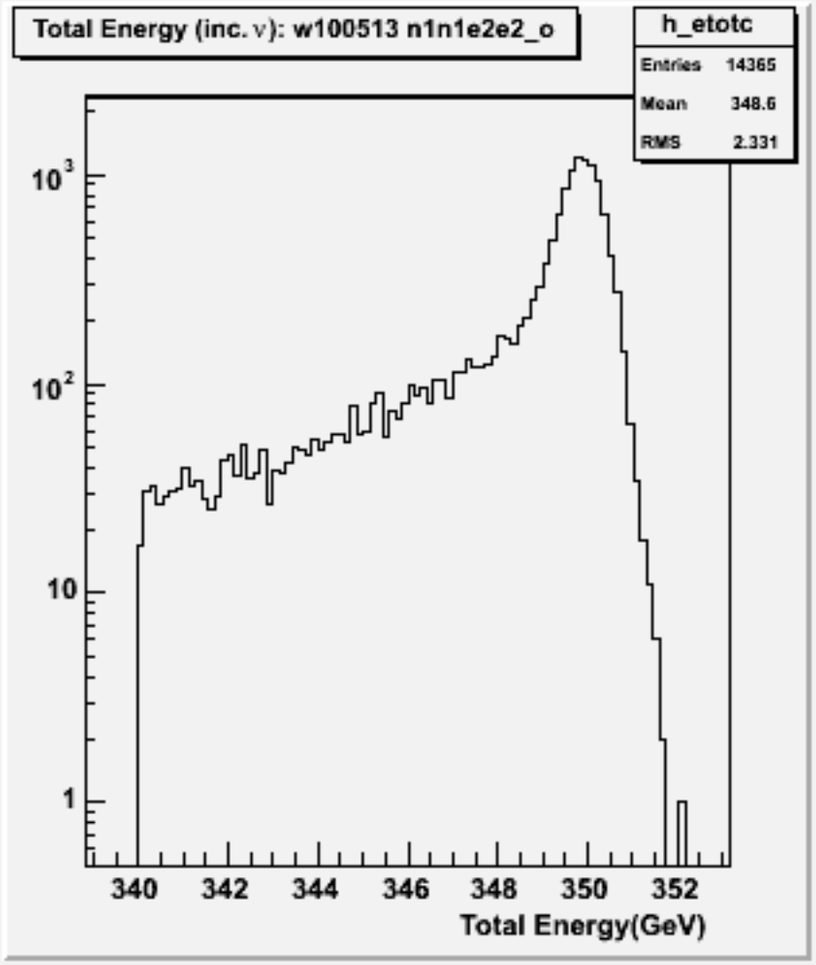

Particle Pt : w100513 n1n1e2e2_o
h_pt
Entries 102234
Mean 24.06
RMS 32
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

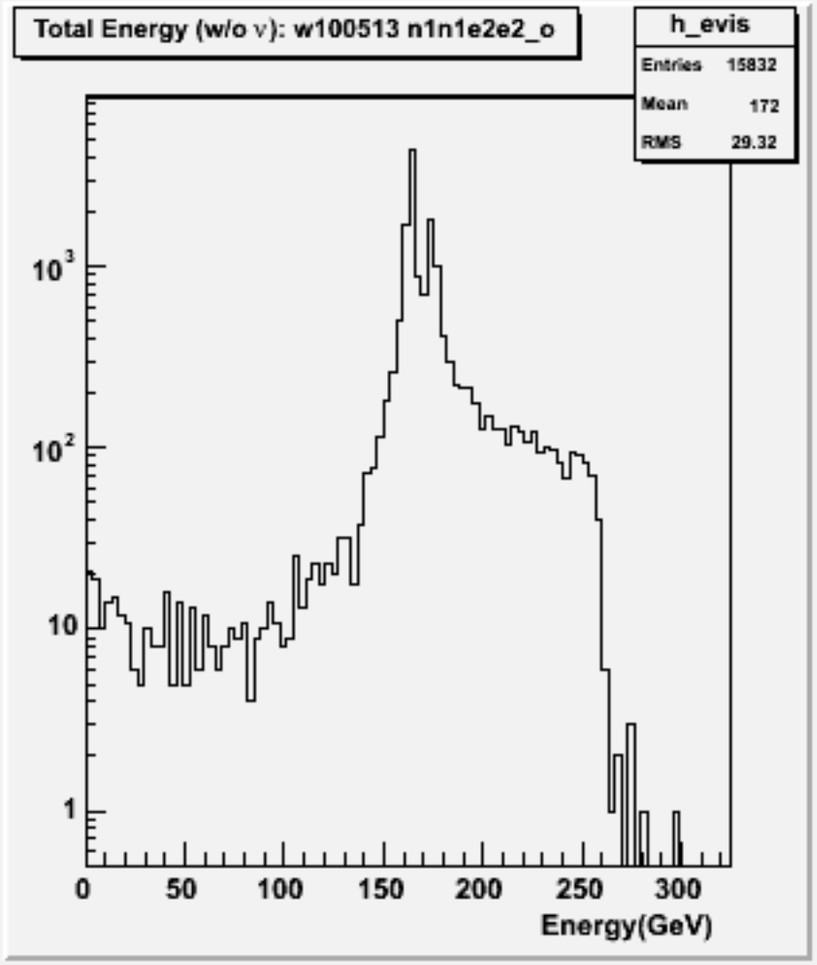

Particle cos θ : w100513 n1n1e2e2_o
h_cs
Entries 102234
Mean 0.03218
RMS 0.8391
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

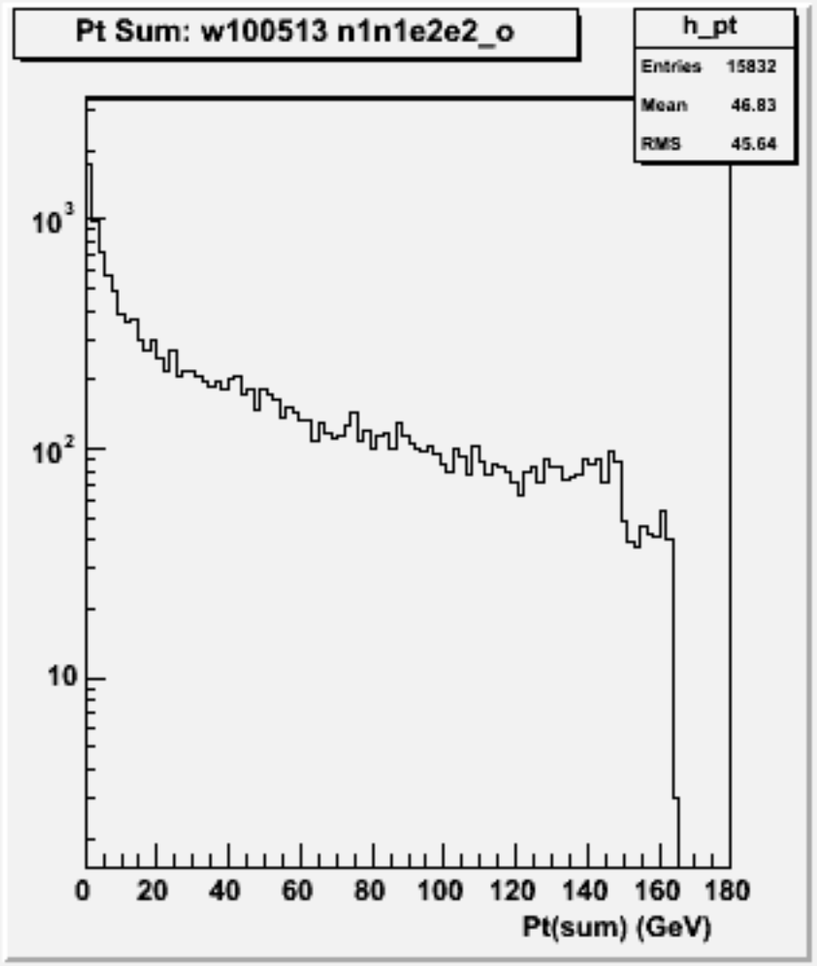

Start point R : w100513 n1n1e2e2_o
h_vr
Entries 102234
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

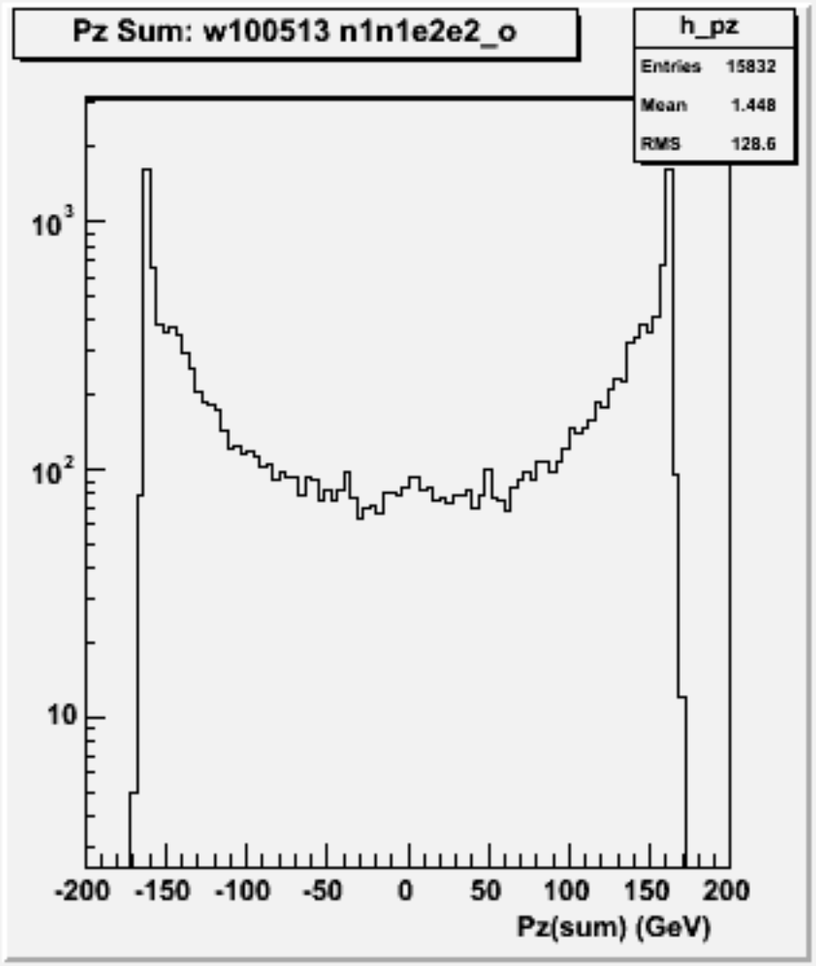

Start point Z : w100513 n1n1e2e2_o
h_vz
Entries 102234
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

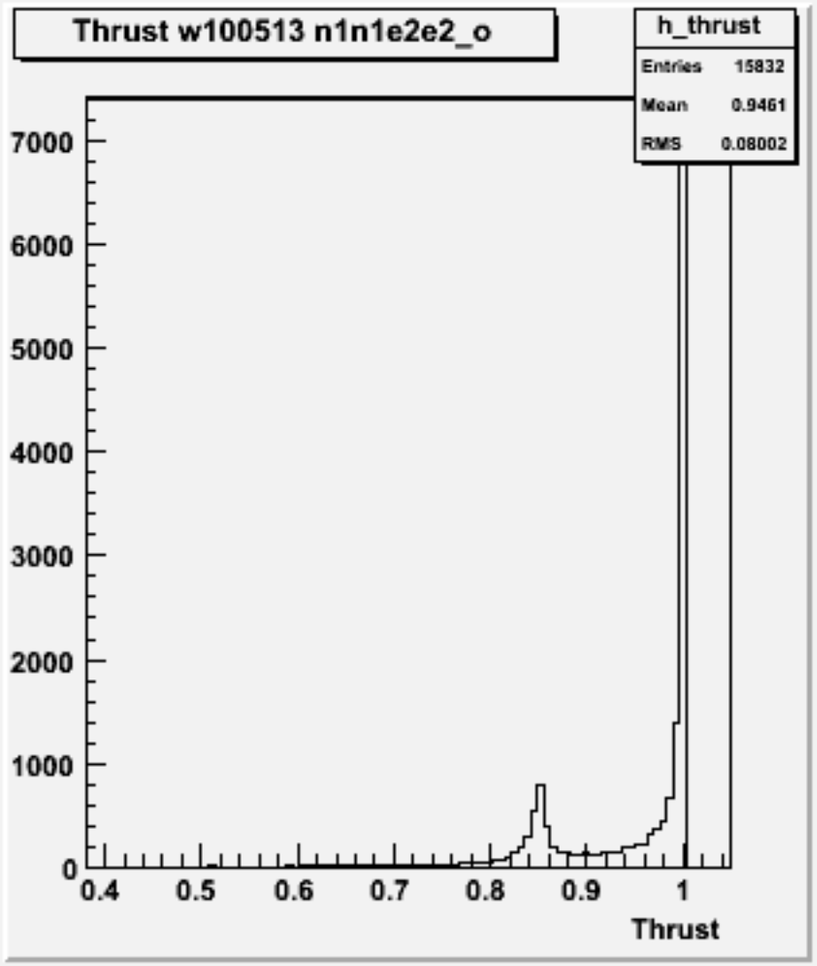

Total Energy (inc. ν): w100513 n1n1e2e2_o
h_etot
Entries 15832
Mean 346.8
RMS 7.356
Total Energy(GeV)

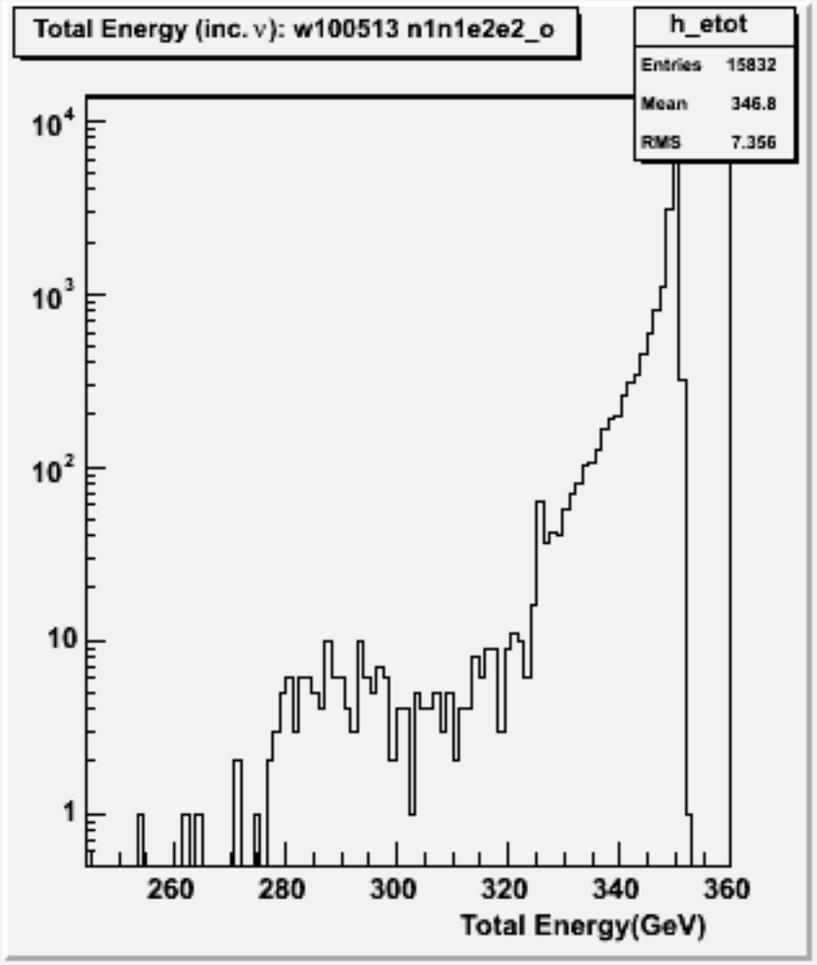

Total Energy (inc. ν): w100513 n1n1e2e2_o
h_etotc
Entries 14365
Mean 348.6
RMS 2.331
Total Energy(GeV)

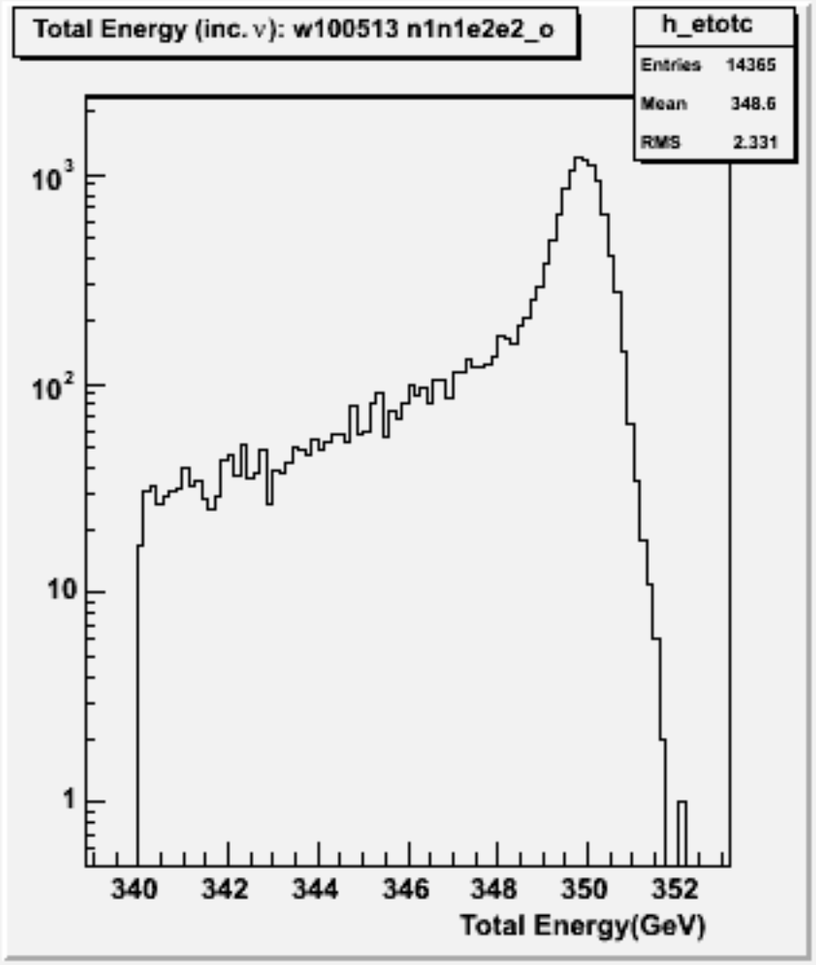

Total Energy (w/o ν): w100513 n1n1e2e2_o
h_evis
Entries 15832
Mean 172
RMS 29.32
Energy(GeV)

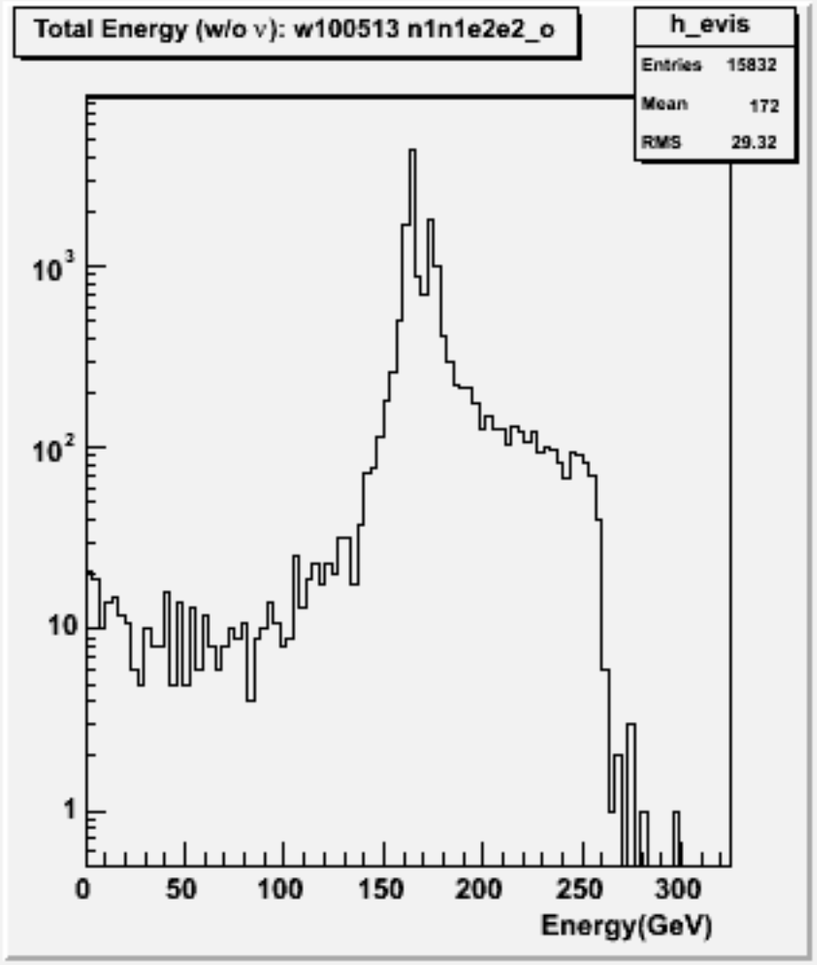

Pt Sum: w100513 n1n1e2e2_o
h_pt
Entries 15832
Mean 46.83
RMS 45.64
Pt(sum) (GeV)

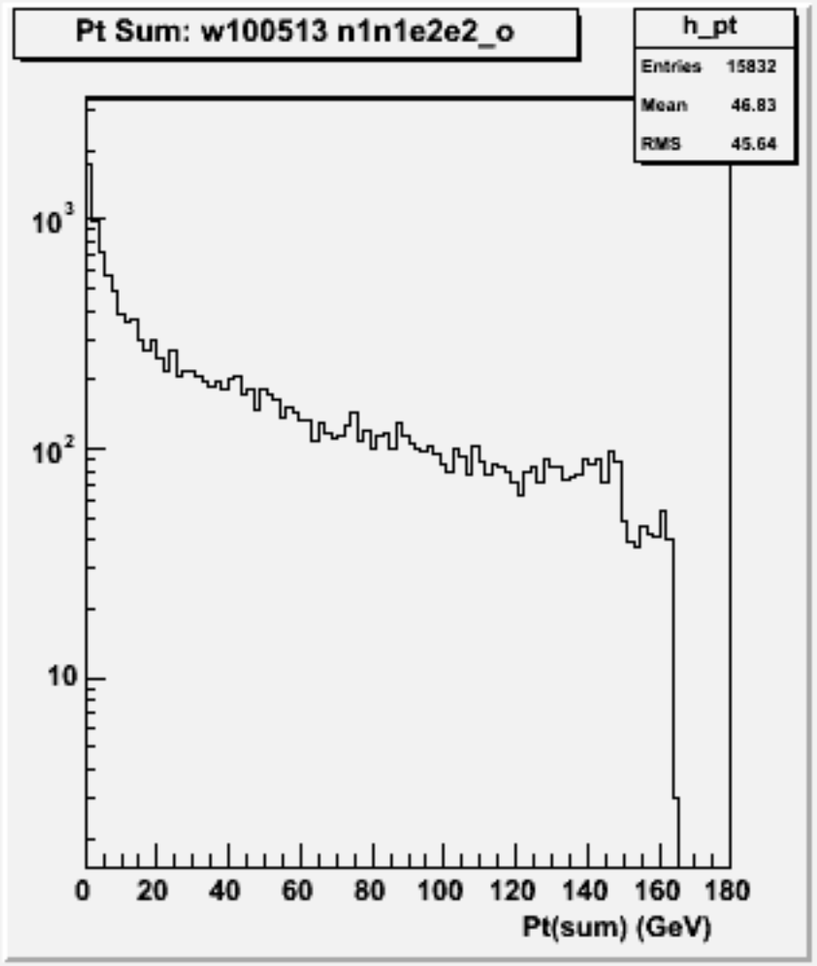

Pz Sum: w100513 n1n1e2e2_o
h_pz
Entries 15832
Mean 1.448
RMS 128.6
Pz(sum) (GeV)

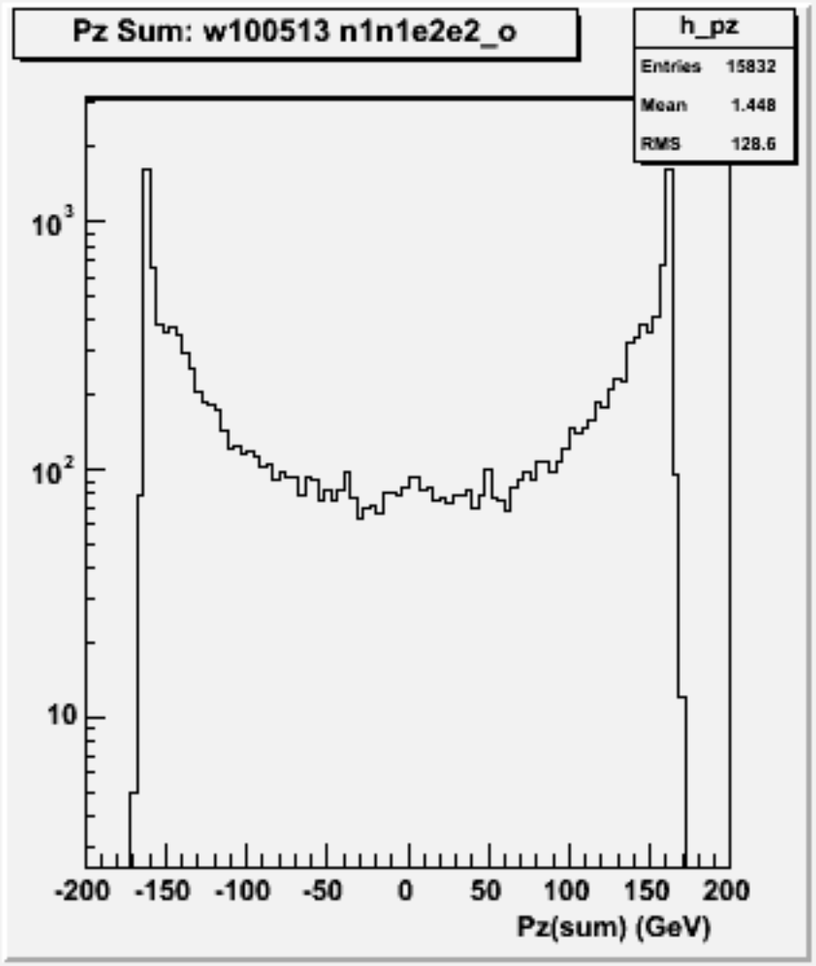

Thrust w100513 n1n1e2e2_o
h_thrust
Entries 15832
Mean 0.9461
RMS 0.08002
Thrust

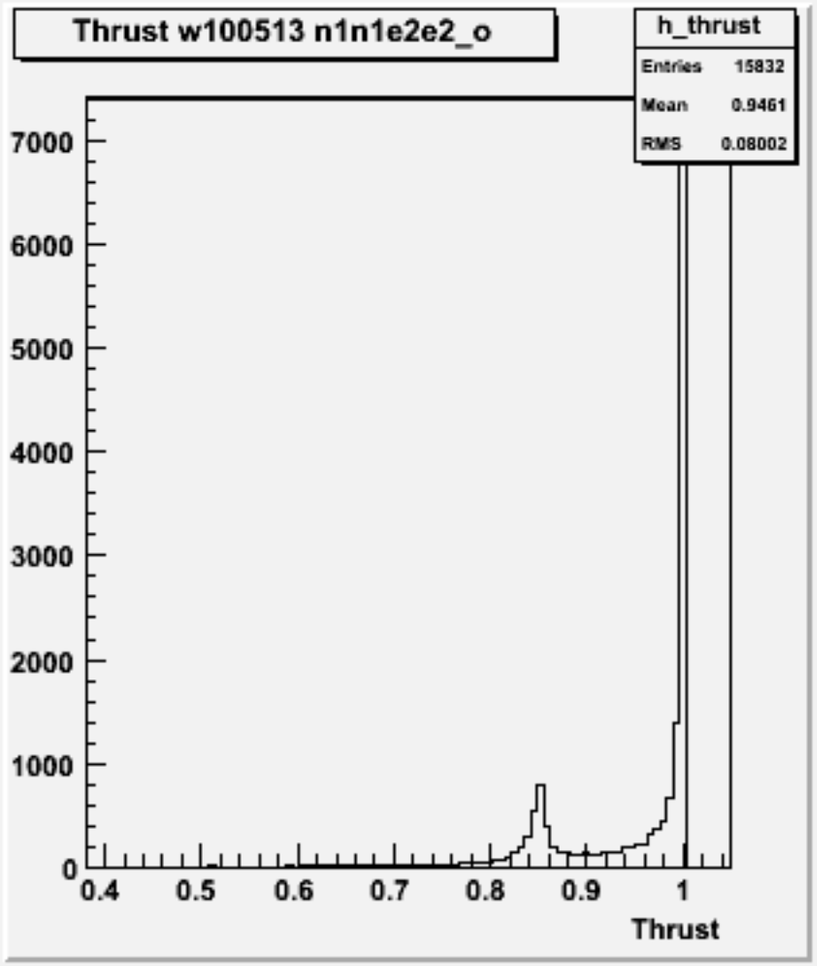

Total Energy (inc. ν): w100513 n1n1e2e2_o
h_etot
Entries 15832
Mean 346.8
RMS 7.356
Total Energy(GeV)

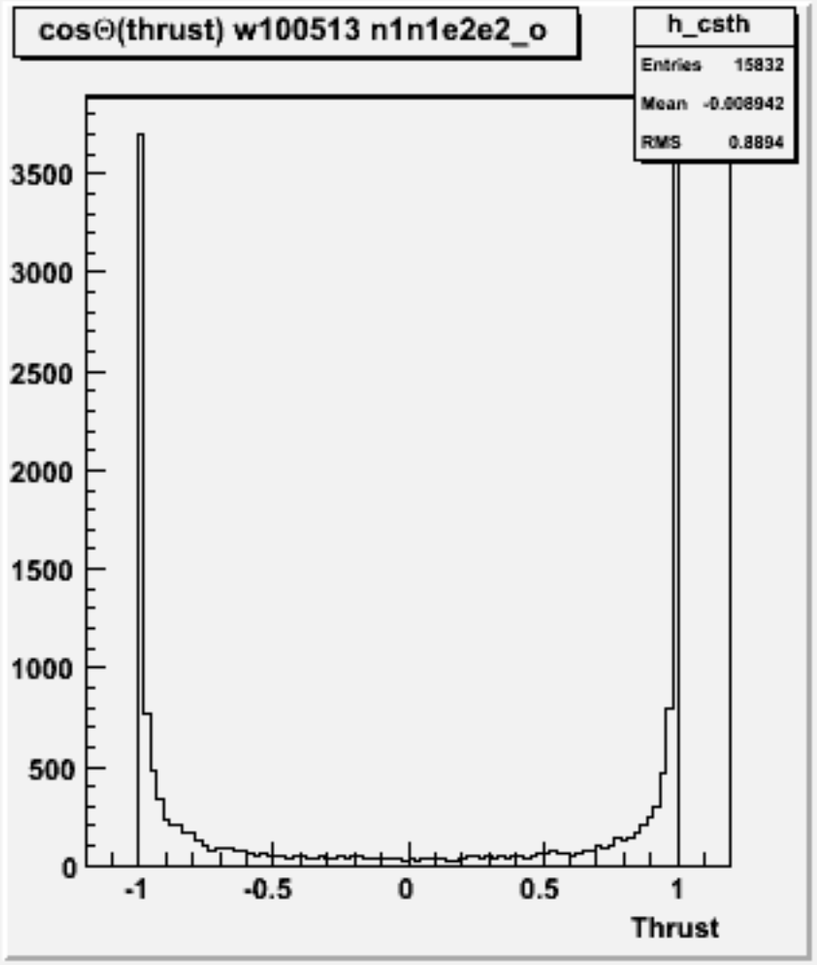

Total Energy (inc. ν): w100513 n1n1e2e2_o
h_etotc
Entries 14365
Mean 348.6
RMS 2.331
Total Energy(GeV)

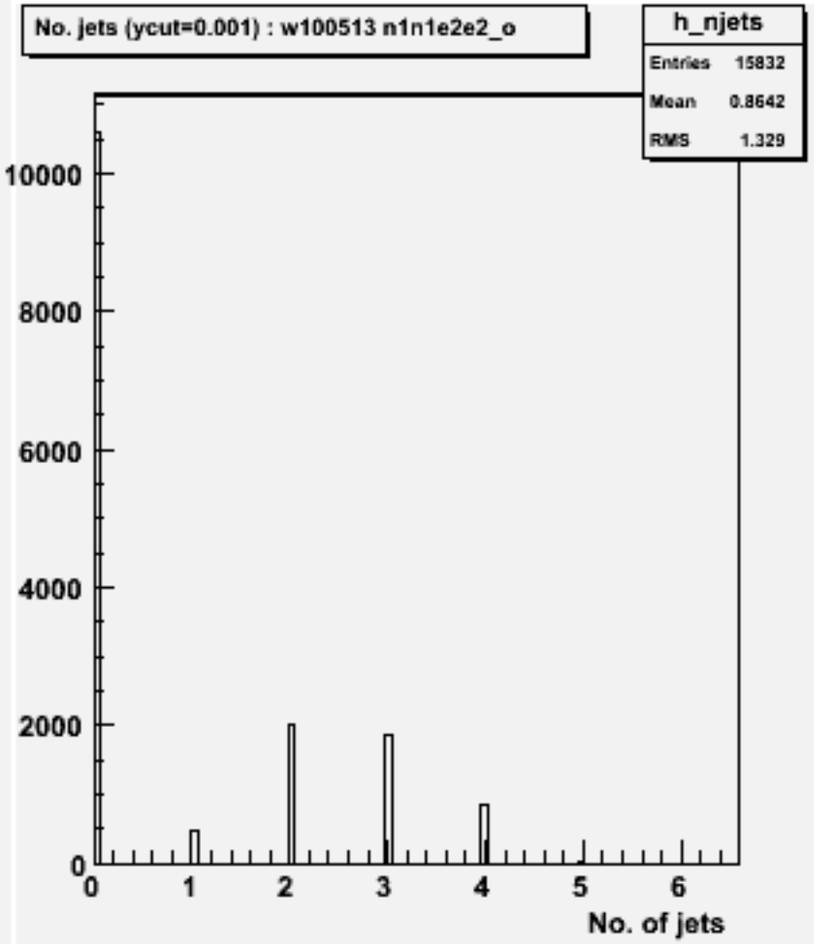

Total Energy (w/o ν): w100513 n1n1e2e2_o
h_evis
Entries 15832
Mean 172
RMS 29.32
Energy(GeV)

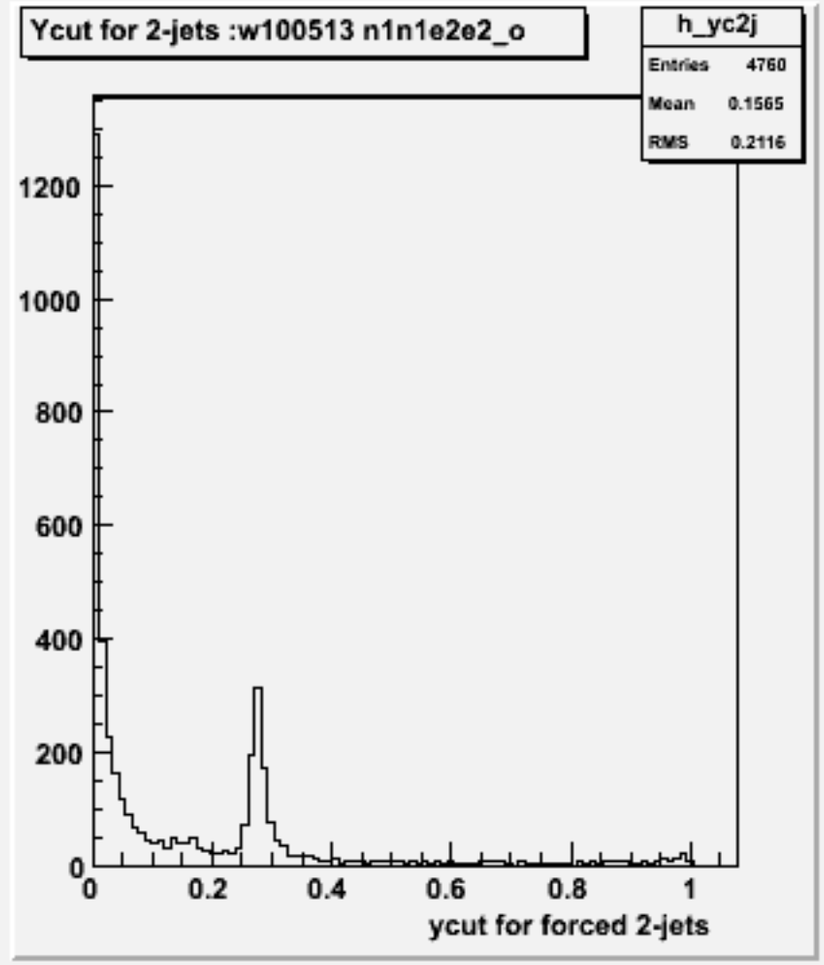

Pt Sum: w100513 n1n1e2e2_o
h_pt
Entries 15832
Mean 46.83
RMS 45.64
Pt(sum) (GeV)

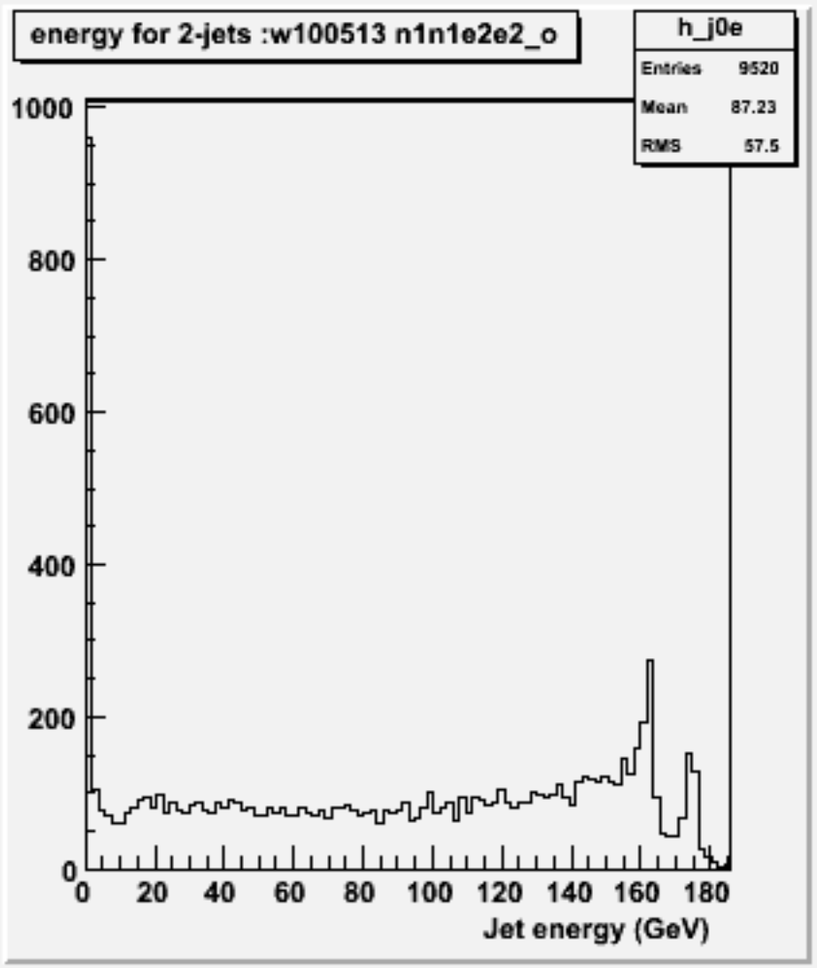

Pz Sum: w100513 n1n1e2e2_o
h_pz
Entries 15832
Mean 1.448
RMS 128.6
Pz(sum) (GeV)

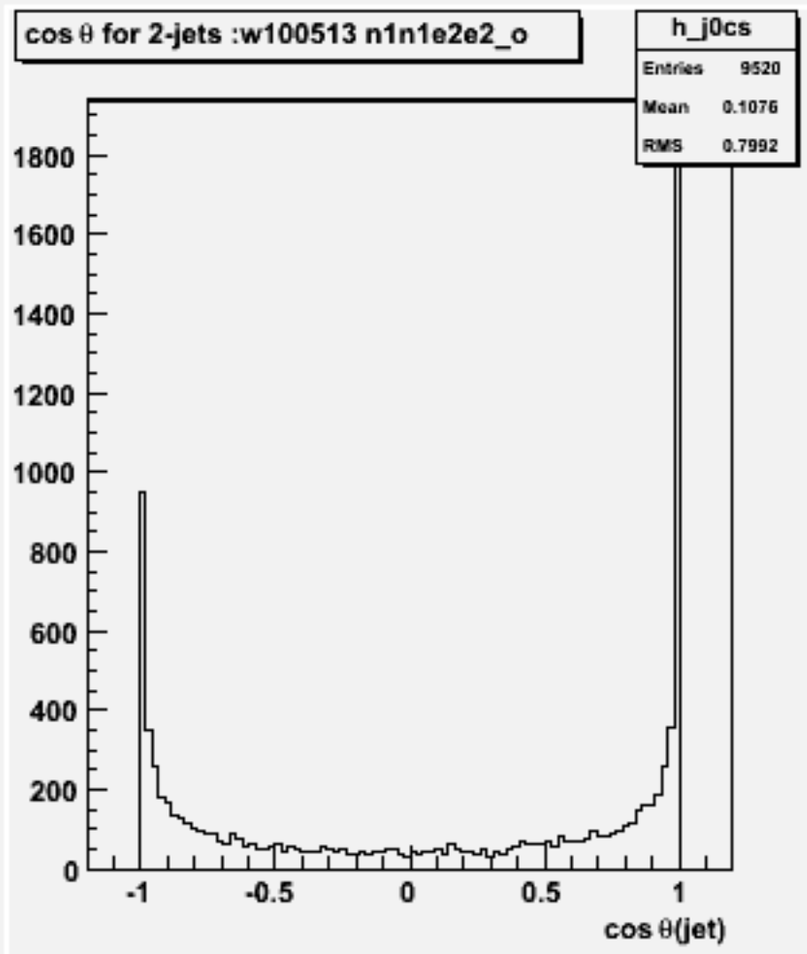

Thrust w100513 n1n1e2e2_o
h_thrust
Entries 15832
Mean 0.9461
RMS 0.08002
Thrust

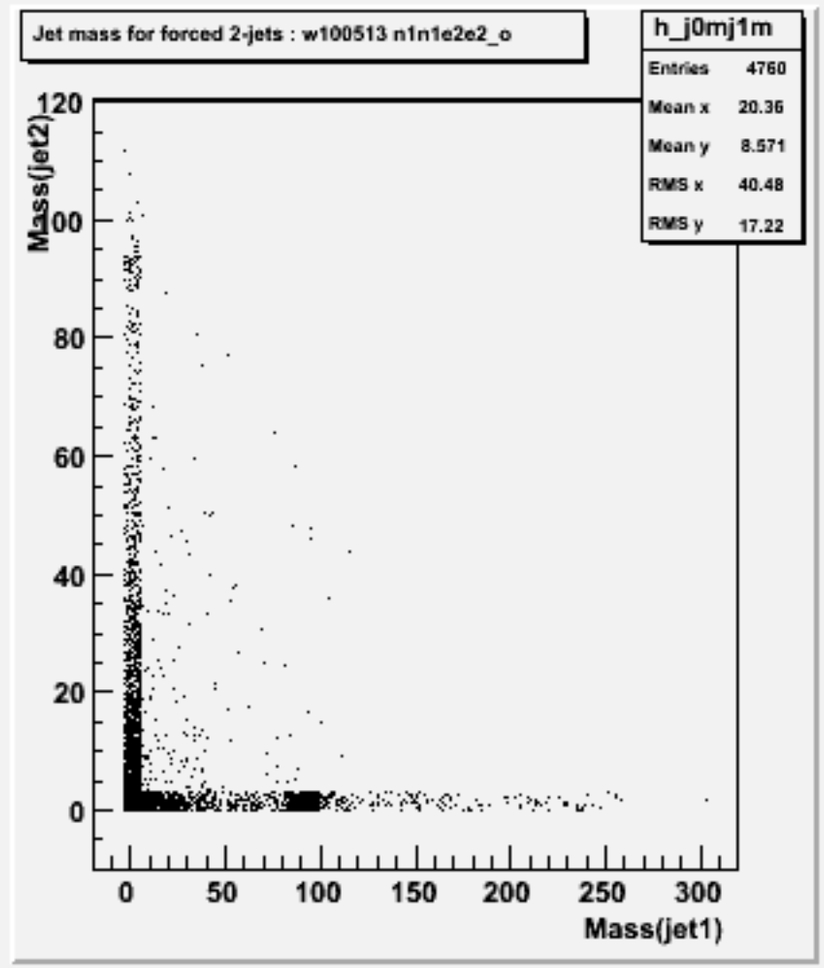

cosΘ(thrust) w100513 n1n1e2e2_o
h_csth
Entries 15832
Mean -0.008942
RMS 0.8894
Thrust

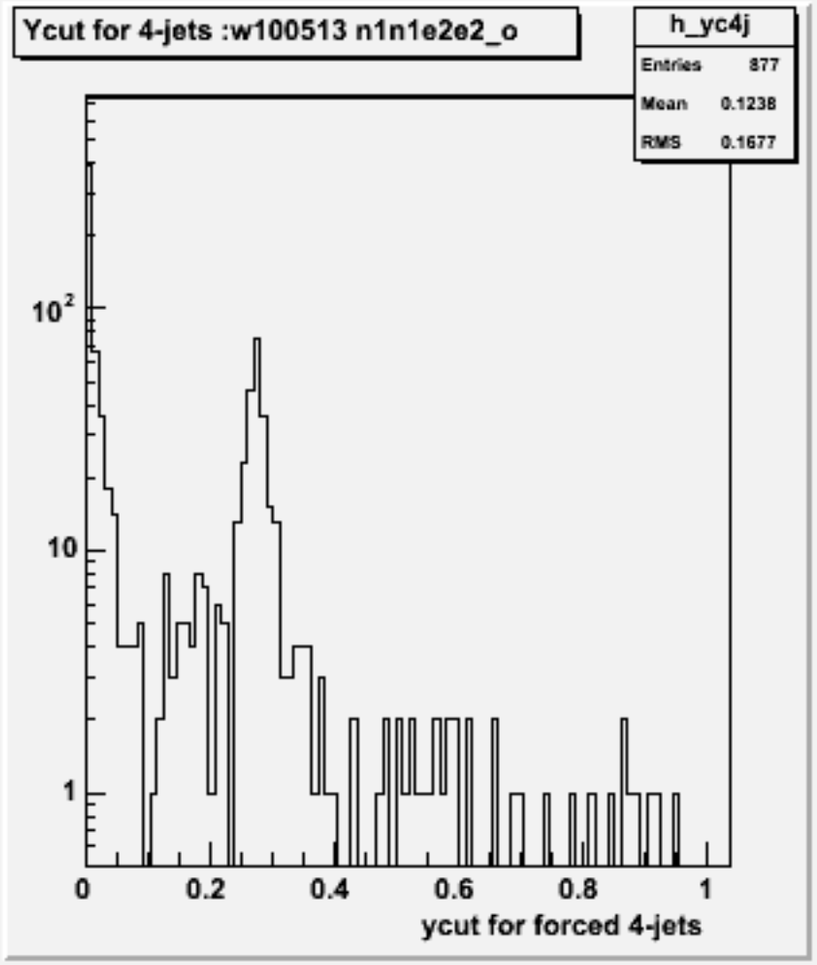

No. jets (ycut=0.001) : w100513 n1n1e2e2_o
h_njets
Entries 15832
Mean 0.8642
RMS 1.329
No. of jets

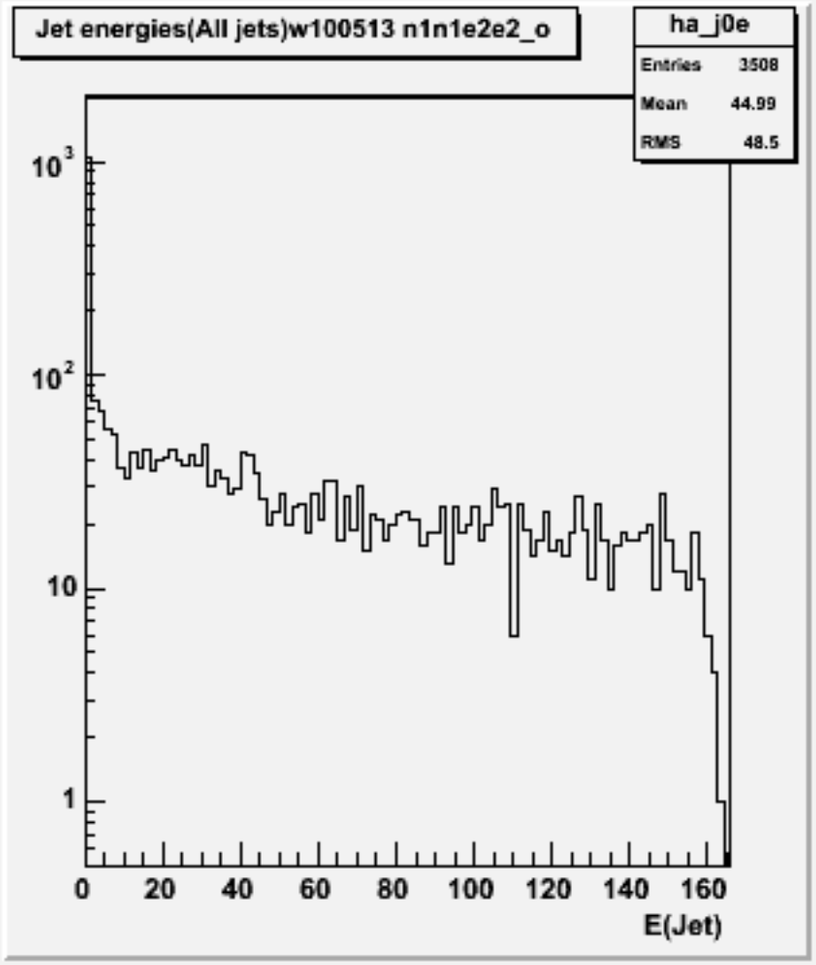

Ycut for 2-jets :w100513 n1n1e2e2_o
h_yc2j
Entries 4760
Mean 0.1565
RMS 0.2116
ycut for forced 2-jets

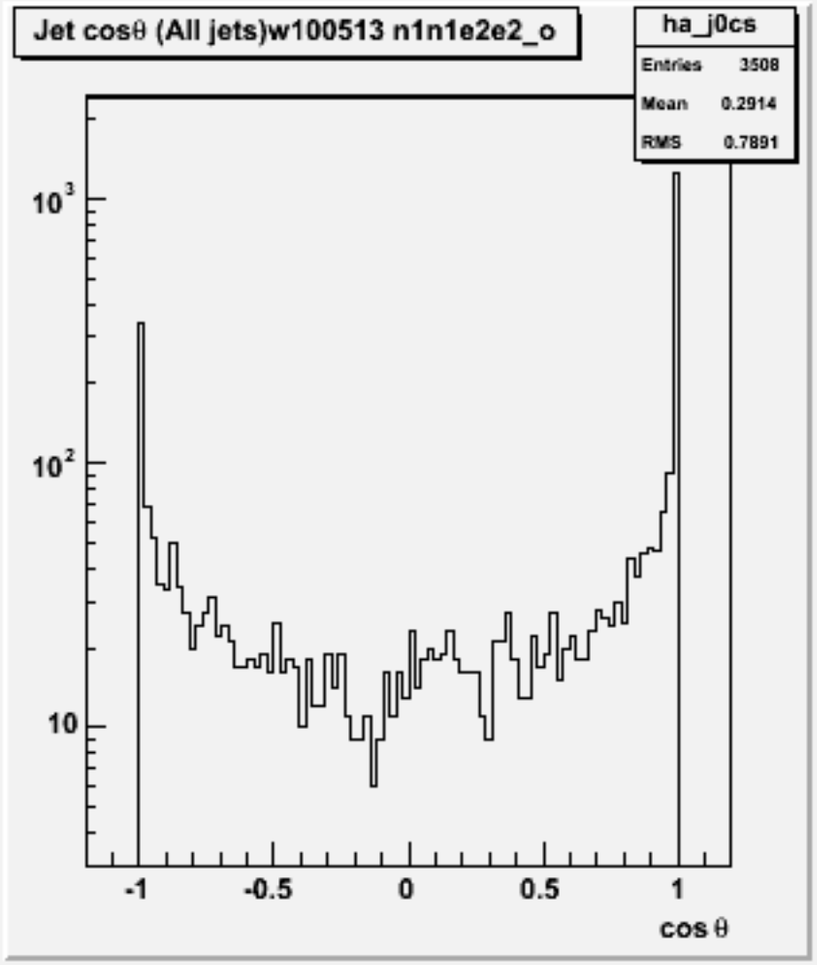

energy for 2-jets :w100513 n1n1e2e2_o
h_j0e
Entries 9520
Mean 87.23
RMS 57.5
Jet energy (GeV)

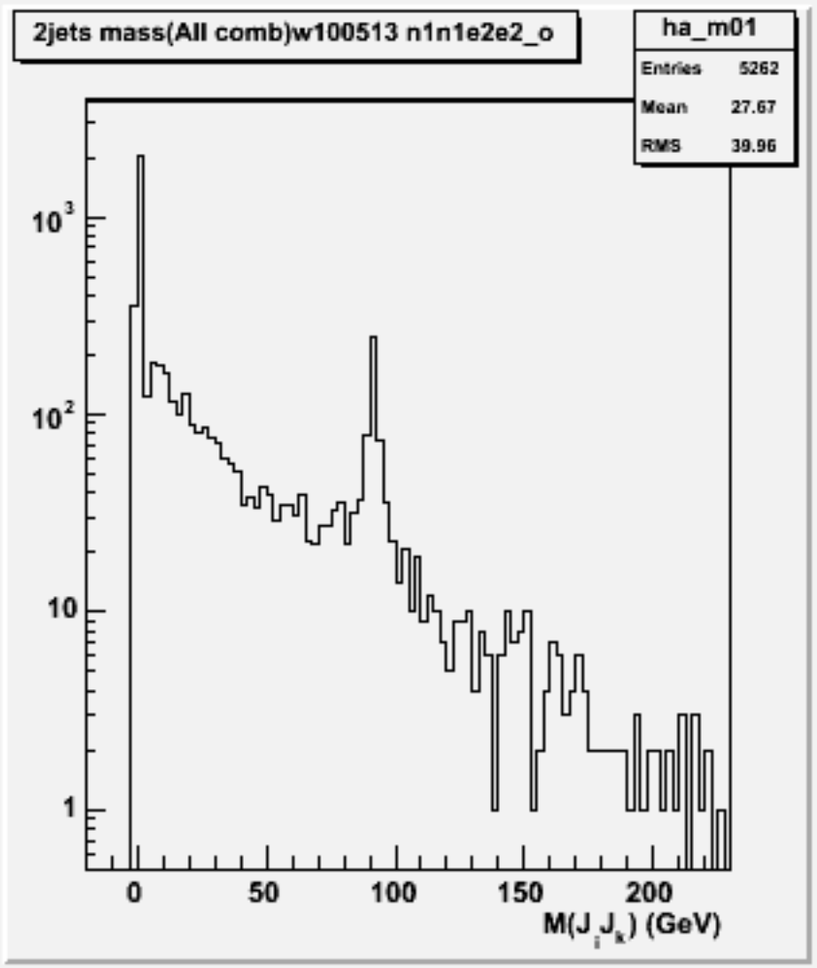

cos θ for 2-jets :w100513 n1n1e2e2_o
h_j0cs
Entries 9520
Mean 0.1076
RMS 0.7992
cos θ(jet)

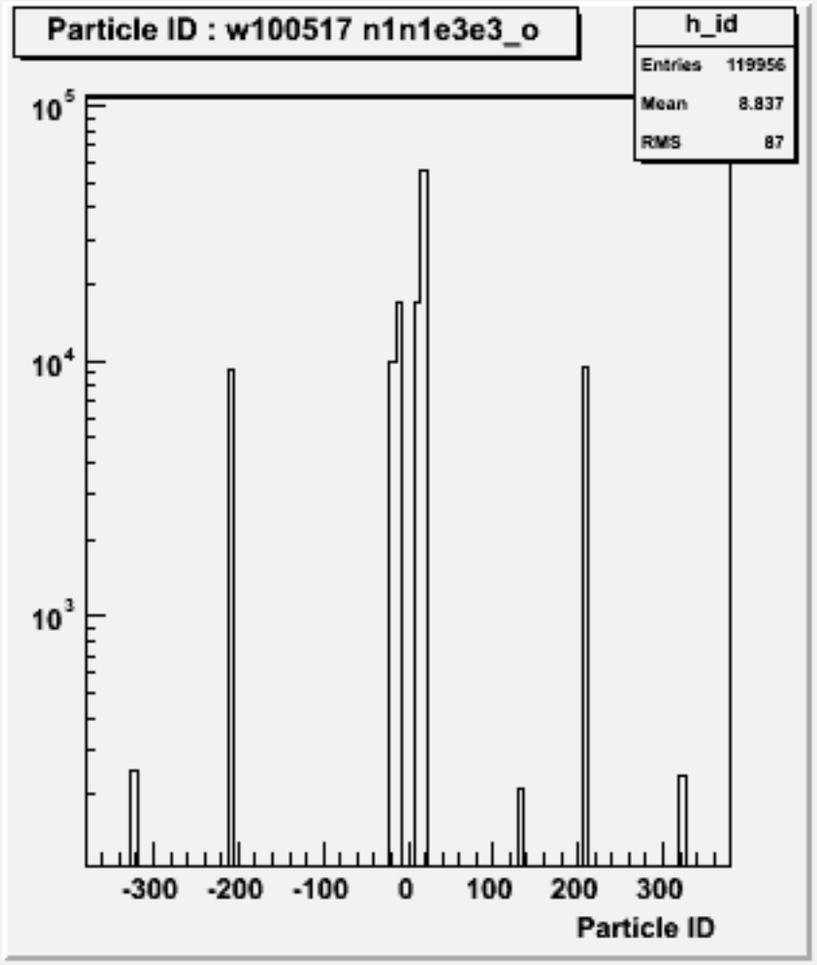

Jet mass for forced 2-jets : w100513 n1n1e2e2_o
h_j0mj1m
Entries 4760
Mean x 20.36
Mean y 8.571
RMS x 40.48
RMS y 17.22
Mass(jet2)
Mass(jet1)

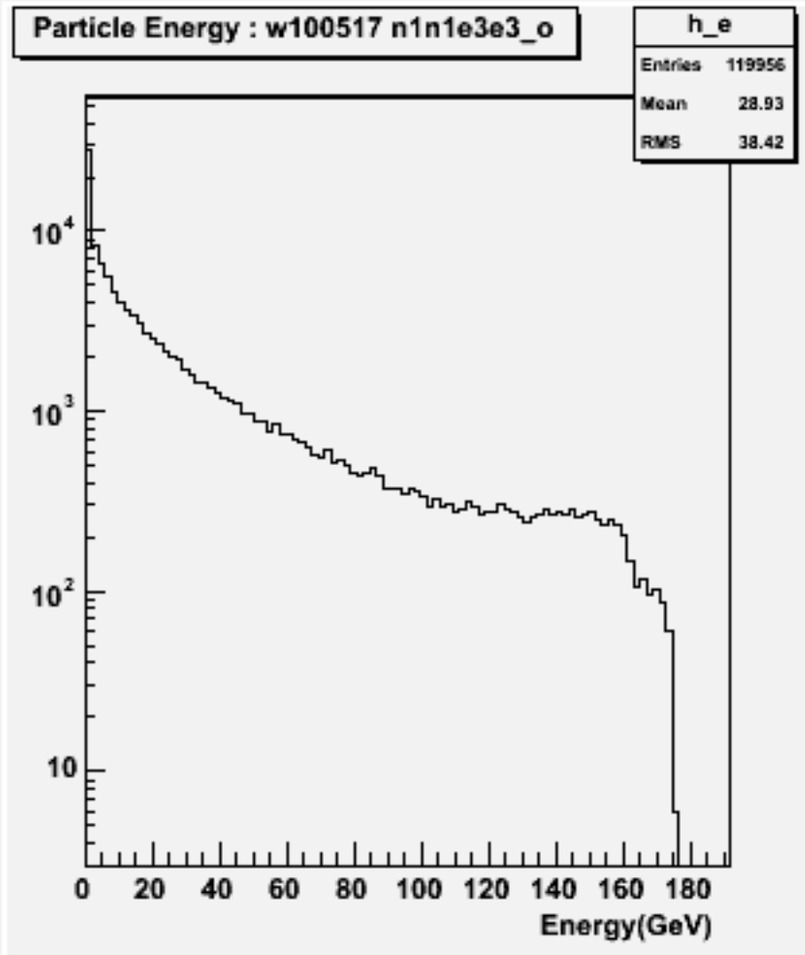

Ycut for 4-jets :w100513 n1n1e2e2_o
h_yc4j
Entries 877
Mean 0.1238
RMS 0.1677
ycut for forced 4-jets

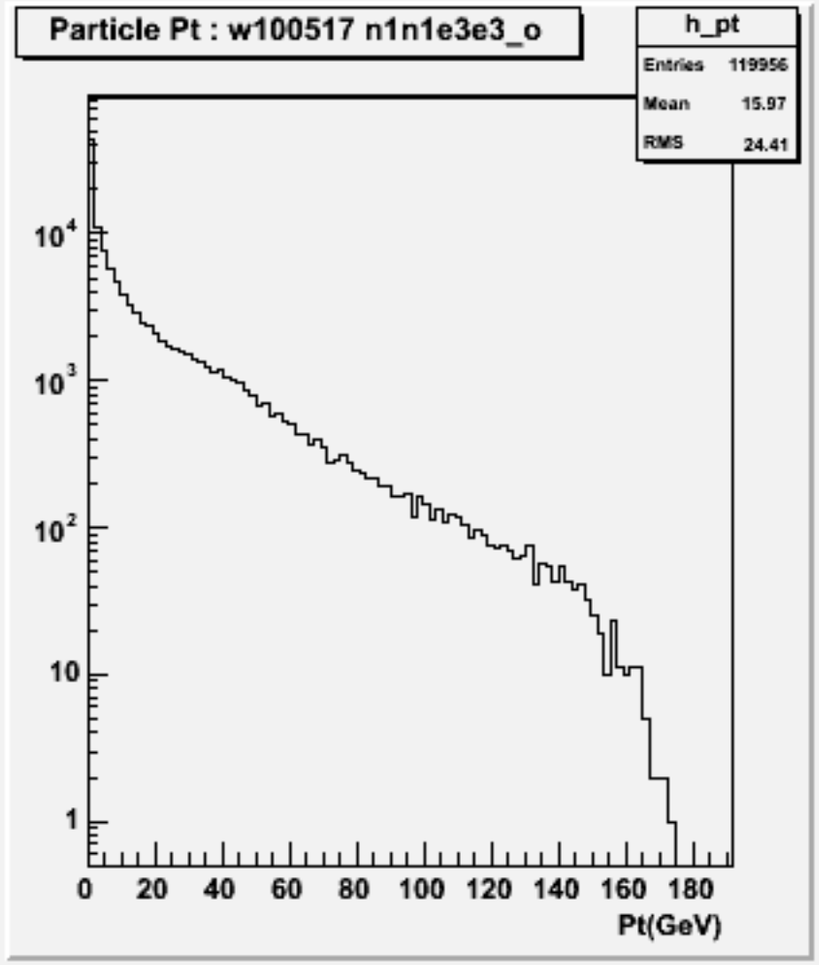

Jet energies(All jets)w100513 n1n1e2e2_o
ha_j0e
Entries 3508
Mean 44.99
RMS 48.5
E(Jet)

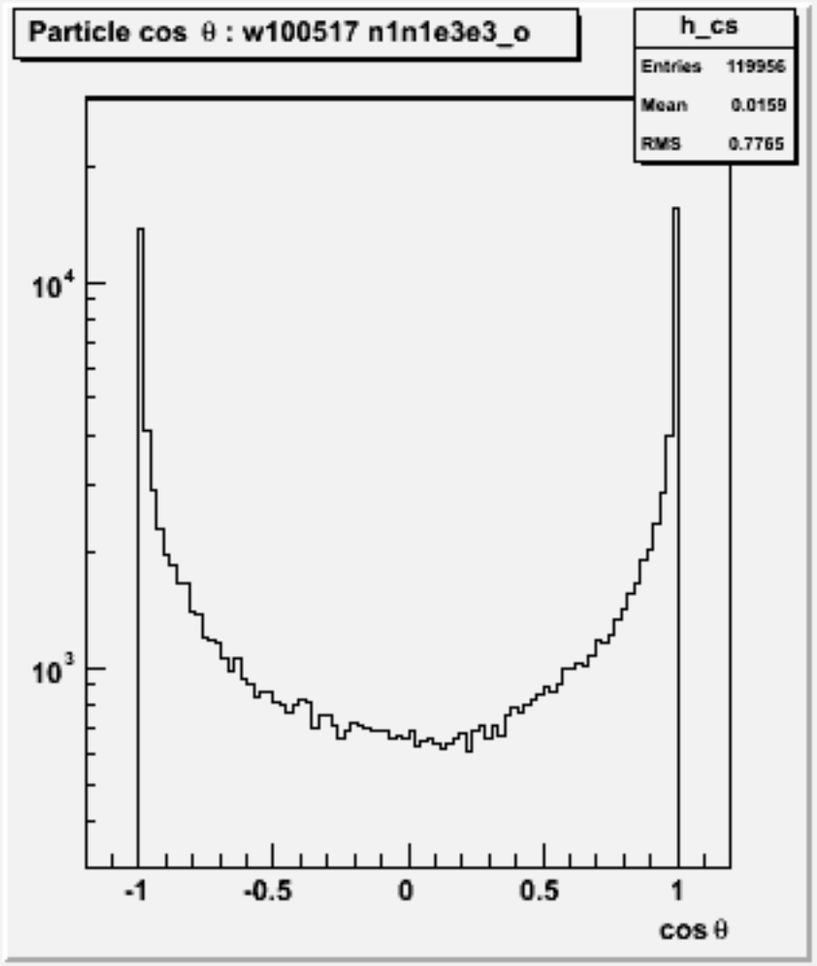

Jet cosθ (All jets)w100513 n1n1e2e2_o
ha_j0cs
Entries 3508
Mean 0.2914
RMS 0.7891
cos θ

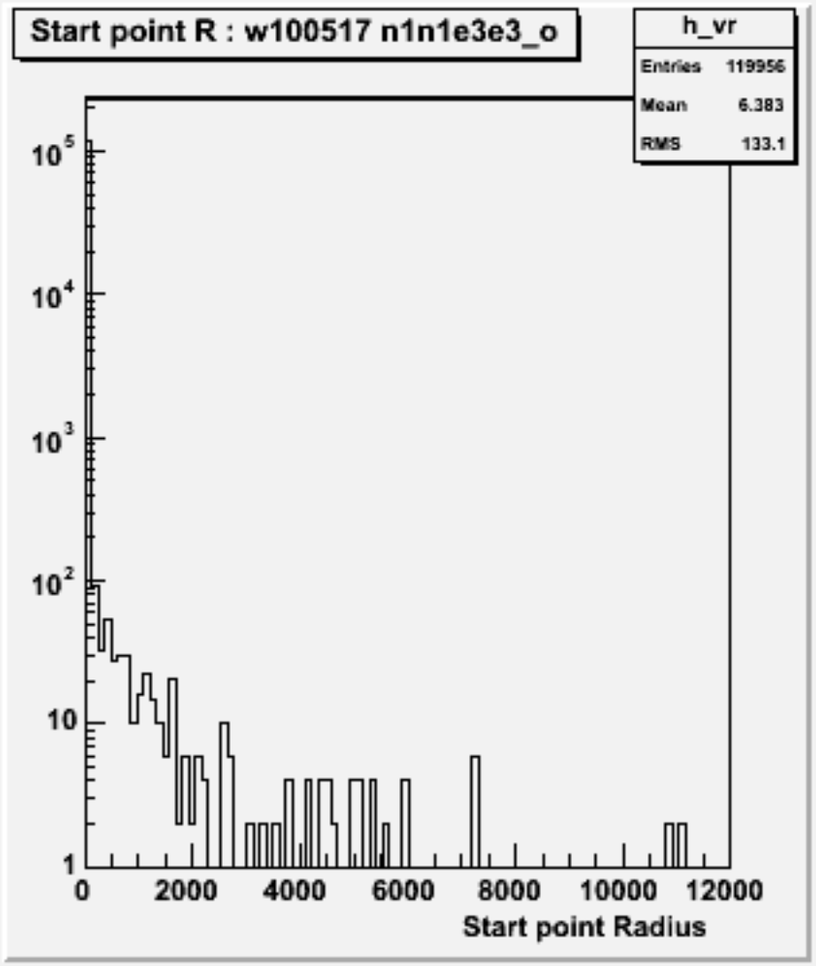

2jets mass(All comb)w100513 n1n1e2e2_o
ha_m01
Entries 5262
Mean 27.67
RMS 39.96
M(J_iJ_k) (GeV)

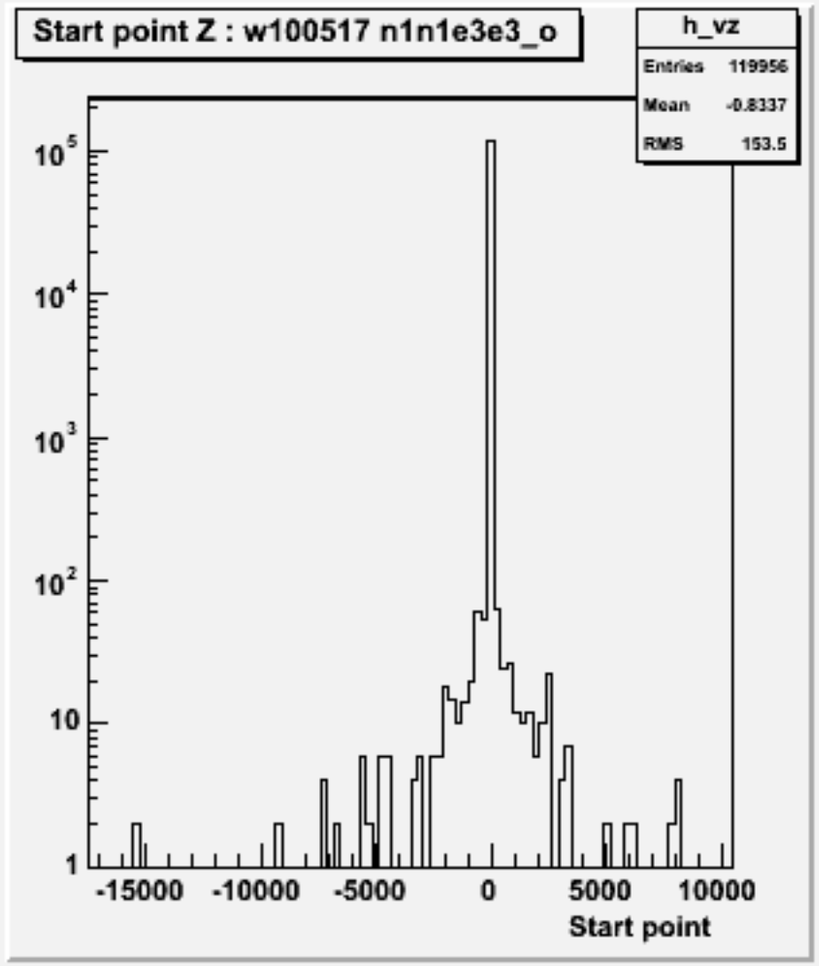

Particle ID : w100517 n1n1e3e3_o
h_id
Entries 119956
Mean 8.837
RMS 87
Particle ID

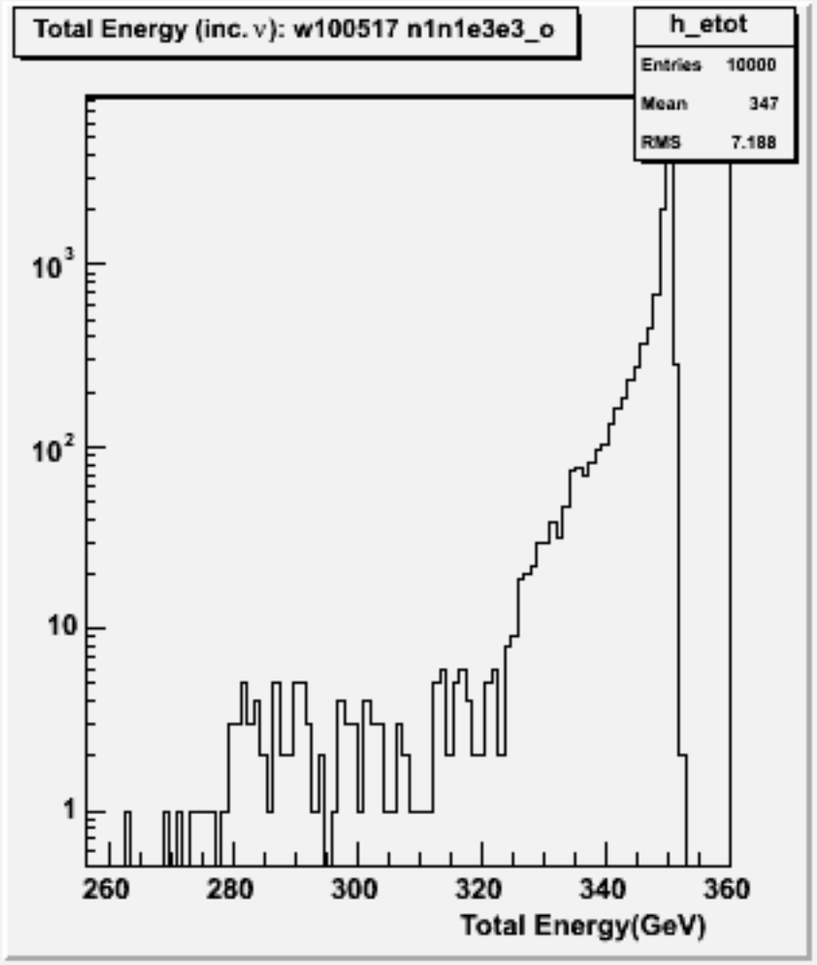

Particle Energy : w100517 n1n1e3e3_o
h_e
Entries 119956
Mean 28.93
RMS 38.42
Energy(GeV)

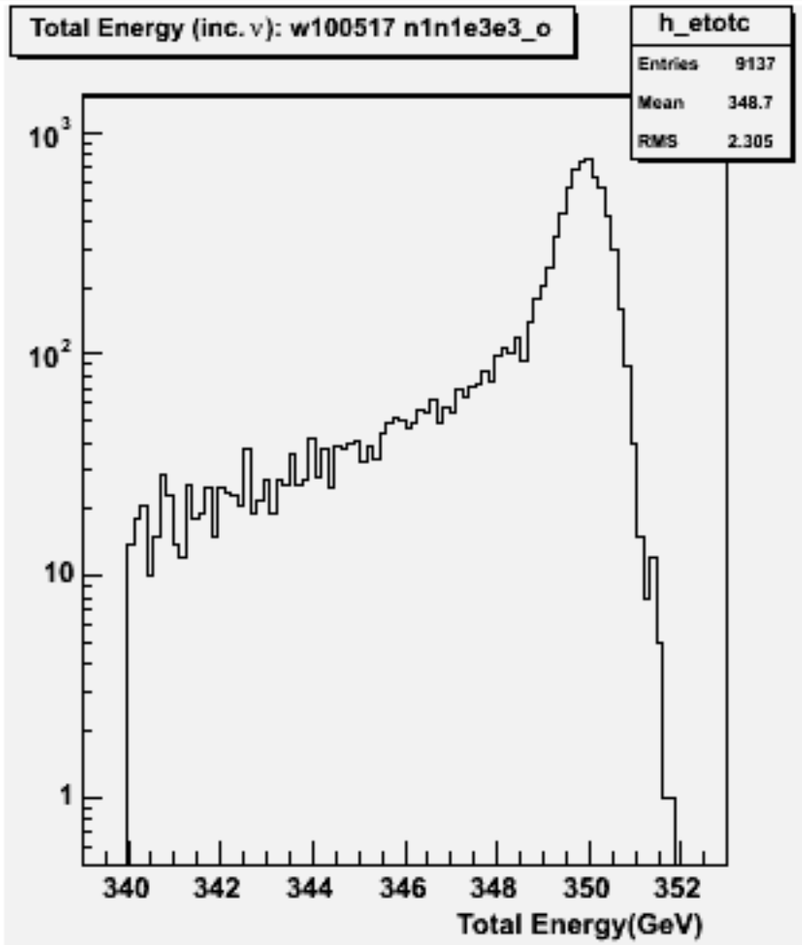

Particle Pt : w100517 n1n1e3e3_o
h_pt
Entries 119956
Mean 15.97
RMS 24.41
Pt(GeV)

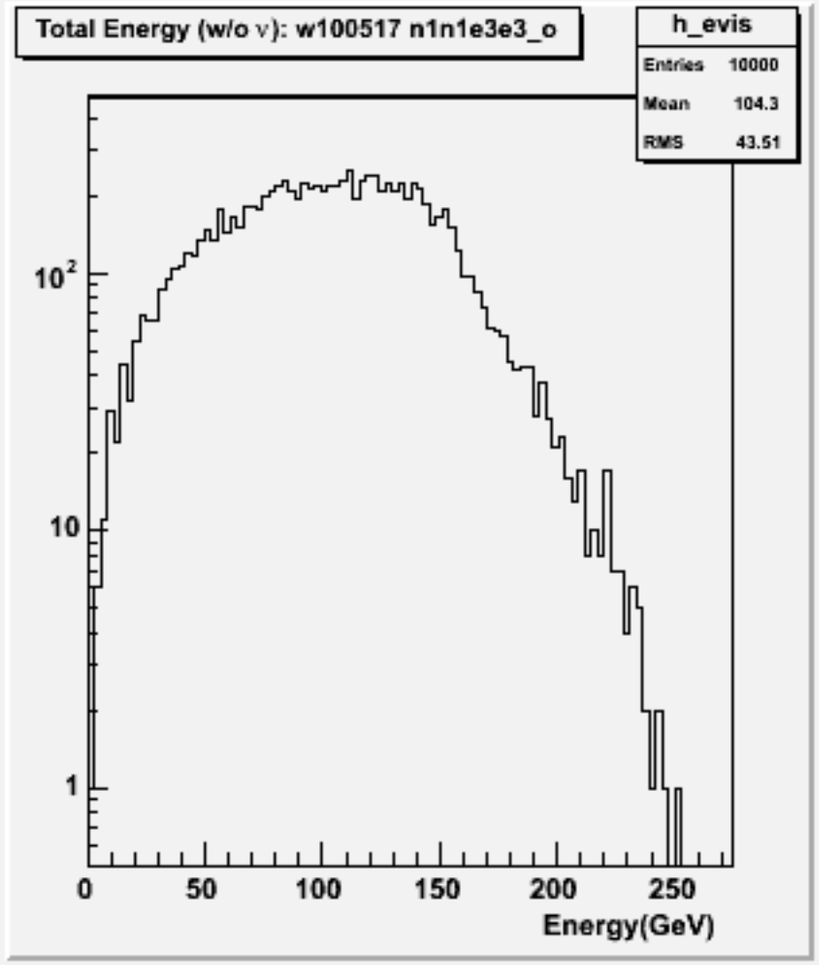

Particle cos θ : w100517 n1n1e3e3_o
h_cs
Entries 119956
Mean 0.0159
RMS 0.7765
cos θ

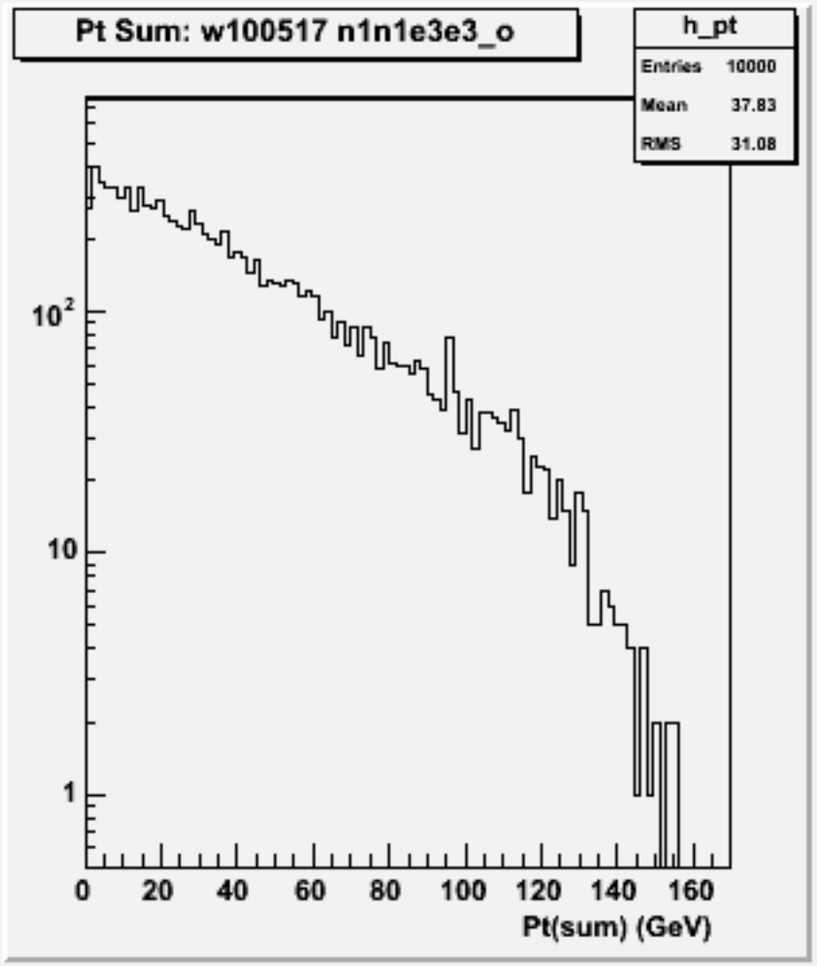

Start point R : w100517 n1n1e3e3_o
h_vr
Entries 119956
Mean 6.383
RMS 133.1
Start point Radius

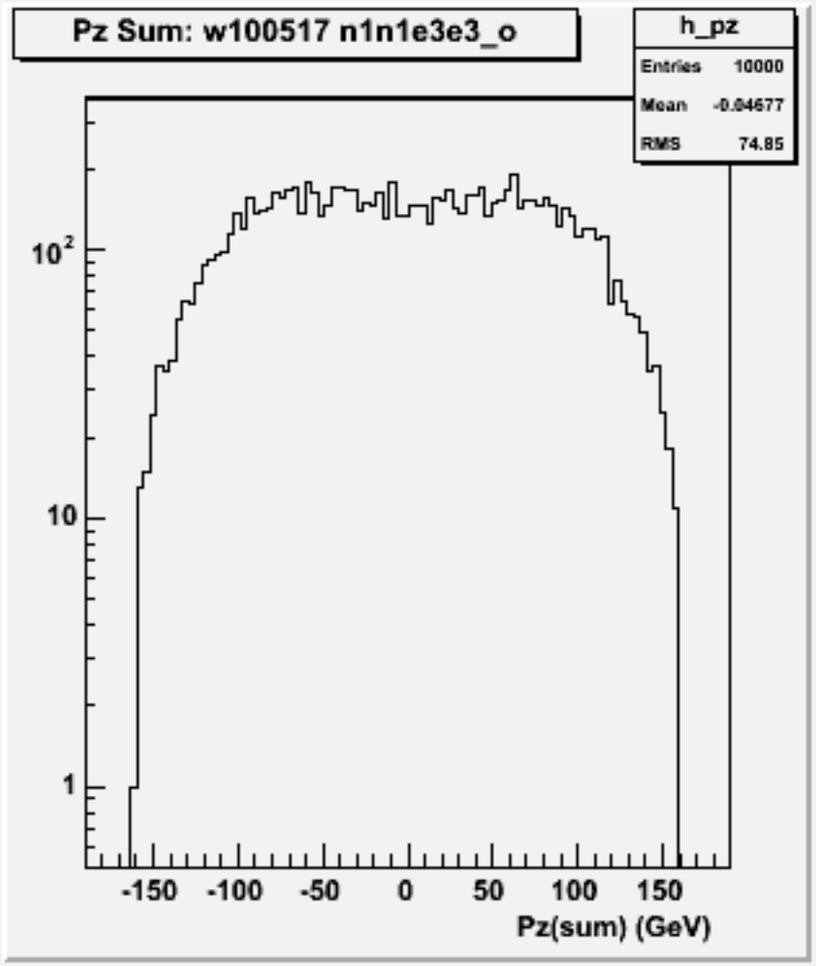

Start point Z : w100517 n1n1e3e3_o
h_vz
Entries 119956
Mean -0.8337
RMS 153.5
Start point

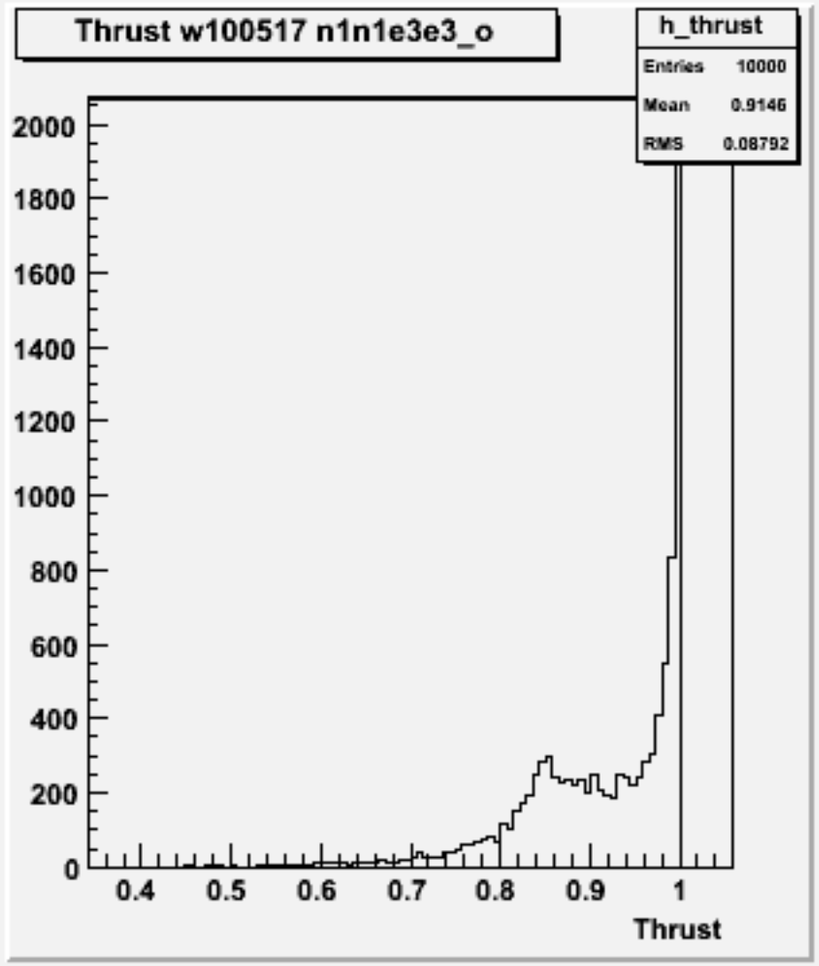

Total Energy (inc. ν): w100517 n1n1e3e3_o
h_etot
Entries 10000
Mean 347
RMS 7.188
Total Energy(GeV)

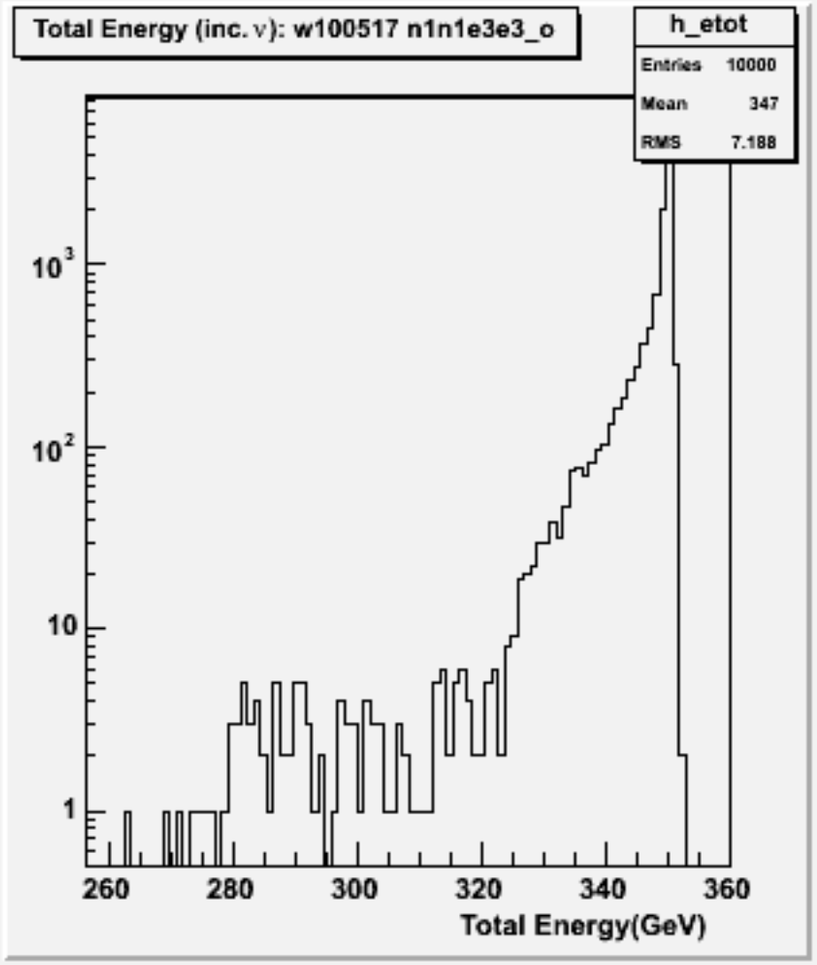

Total Energy (inc. ν): w100517 n1n1e3e3_o
h_etotc
Entries 9137
Mean 348.7
RMS 2.305
Total Energy(GeV)

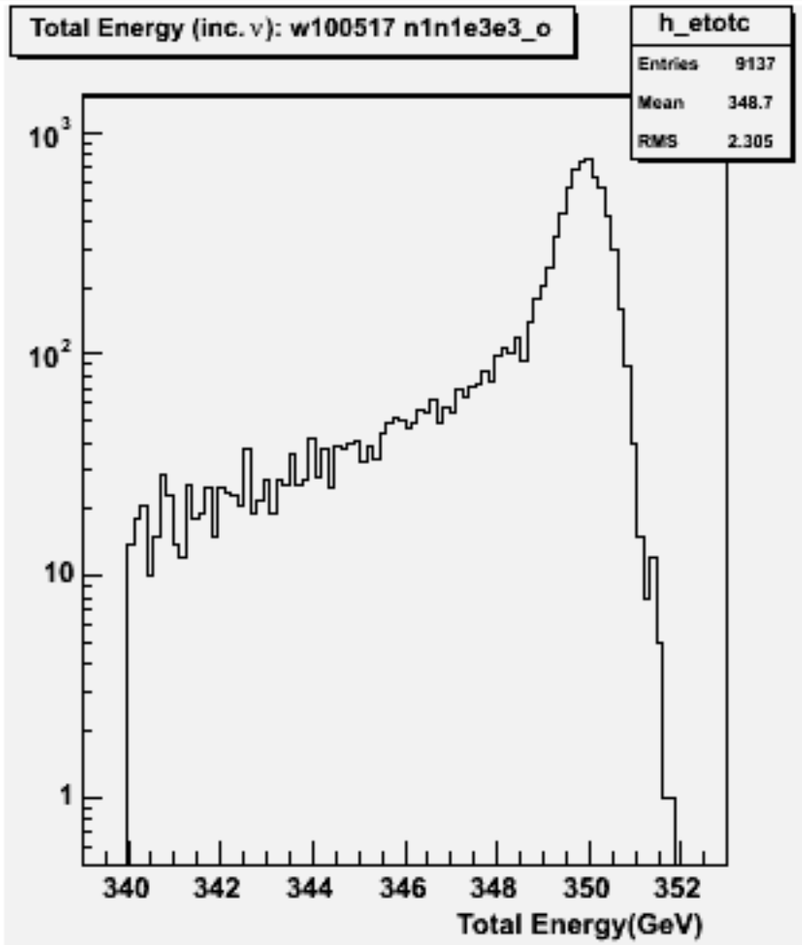

Total Energy (w/o ν): w100517 n1n1e3e3_o
h_evis
Entries 10000
Mean 104.3
RMS 43.51
Energy(GeV)

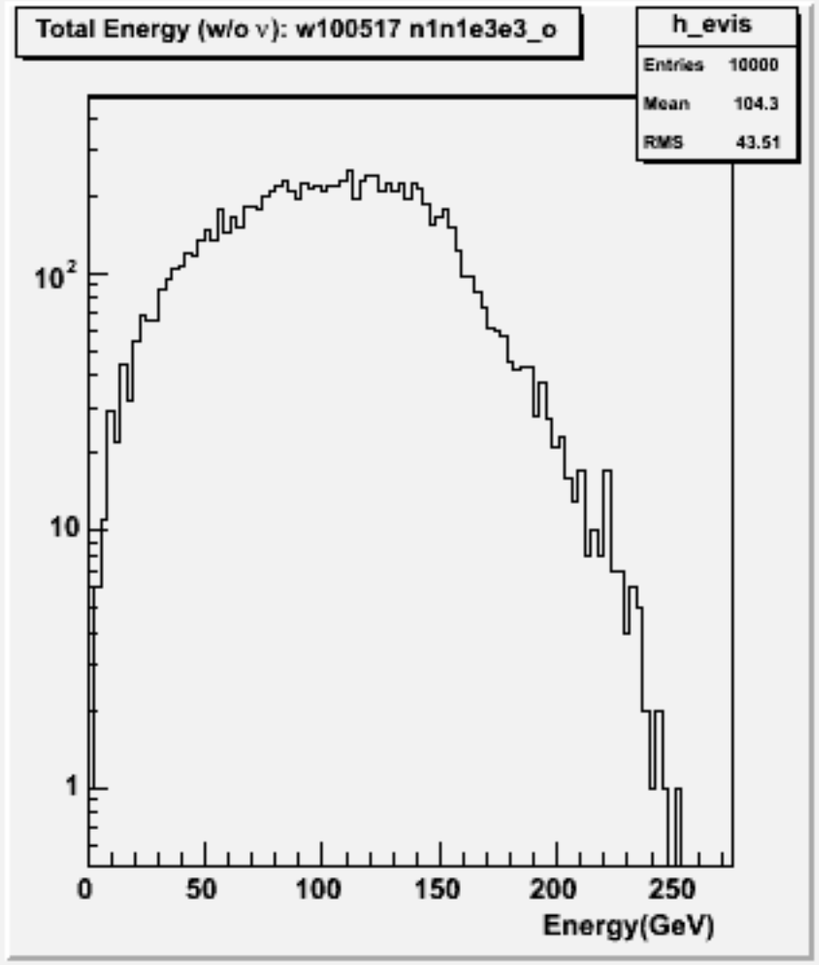

Pt Sum: w100517 n1n1e3e3_o
h_pt
Entries 10000
Mean 37.83
RMS 31.08
Pt(sum) (GeV)

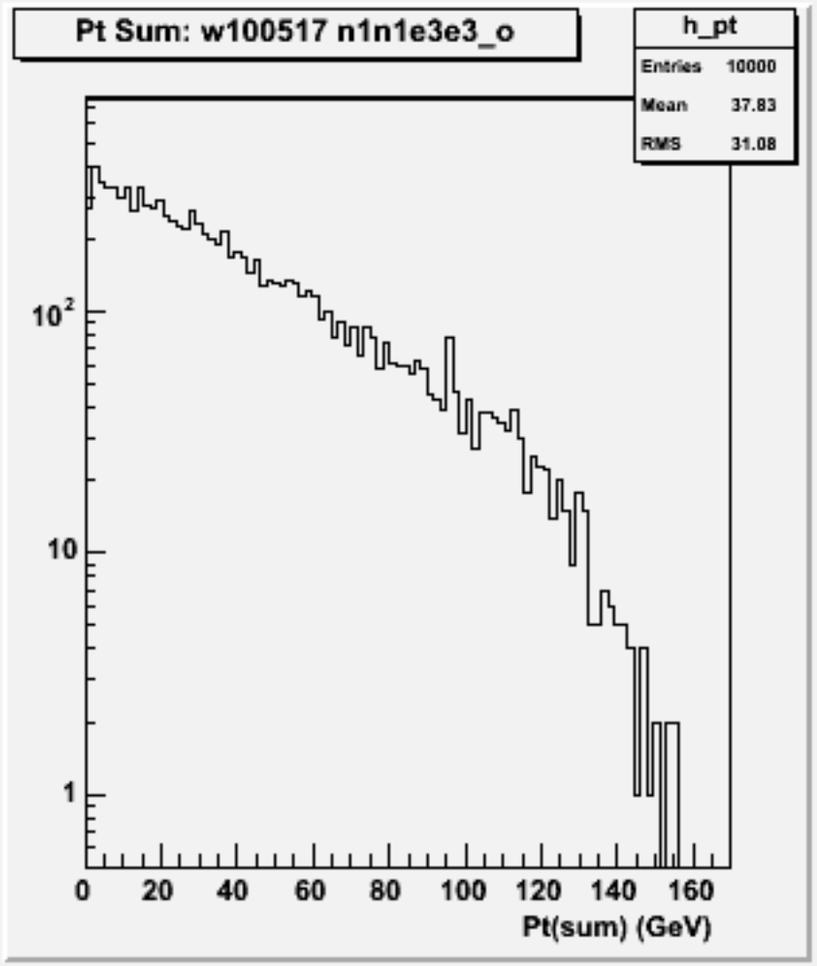

Pz Sum: w100517 n1n1e3e3_o
h_pz
Entries 10000
Mean -0.04677
RMS 74.85
Pz(sum) (GeV)

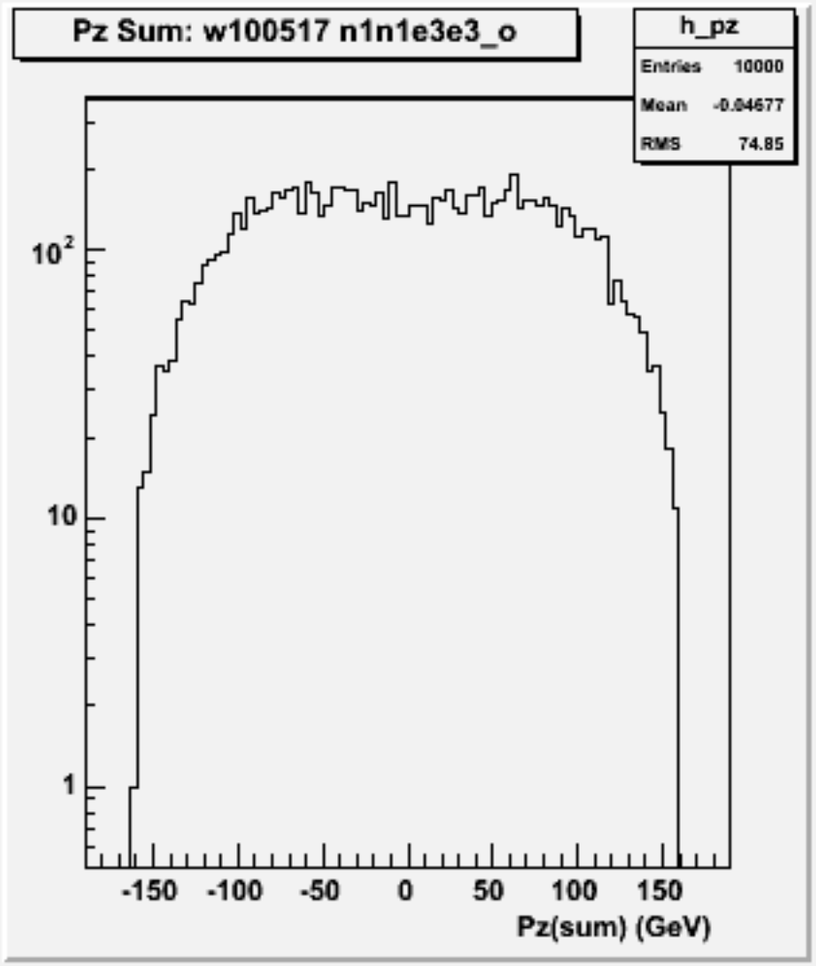

Thrust w100517 n1n1e3e3_o
h_thrust
Entries 10000
Mean 0.9146
RMS 0.08792
Thrust

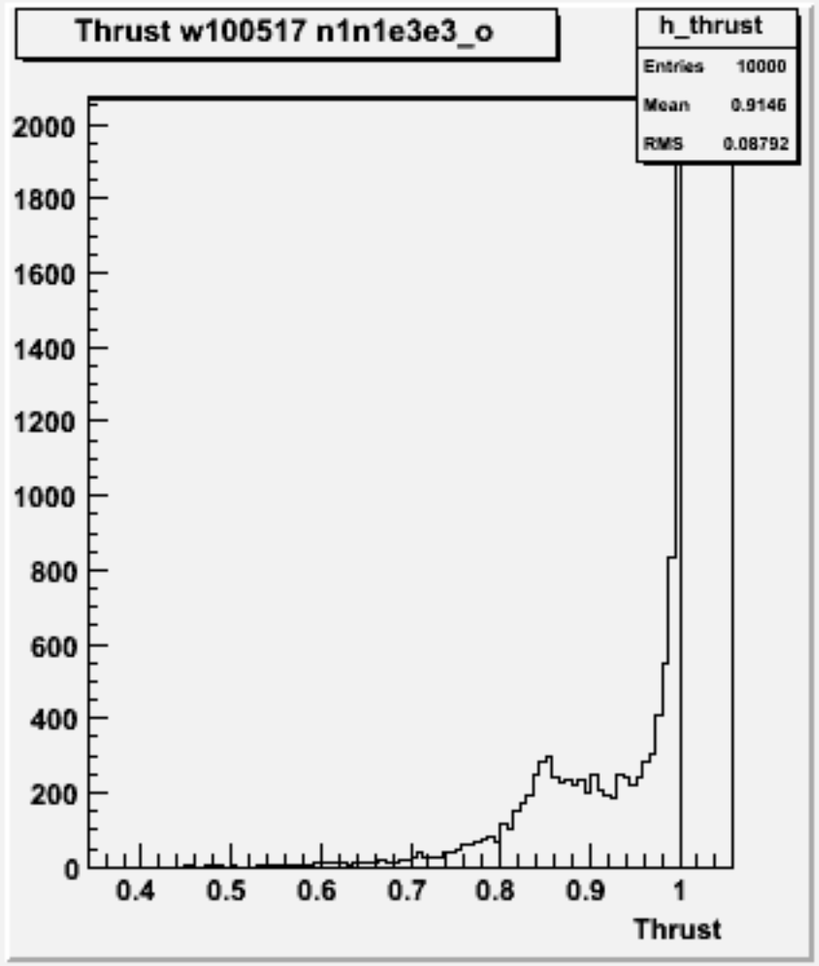

Total Energy (inc. ν): w100517 n1n1e3e3_o
h_etot
Entries 10000
Mean 347
RMS 7.188
Total Energy(GeV)

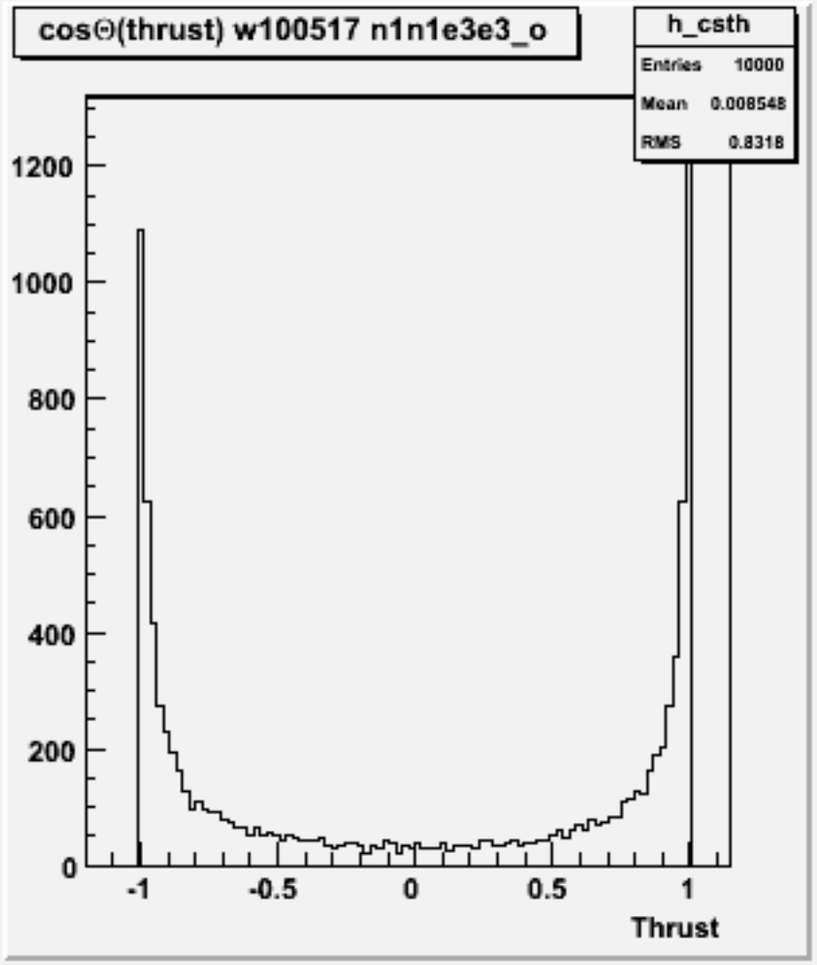

Total Energy (inc. ν): w100517 n1n1e3e3_o
h_etotc
Entries 9137
Mean 348.7
RMS 2.305
Total Energy(GeV)

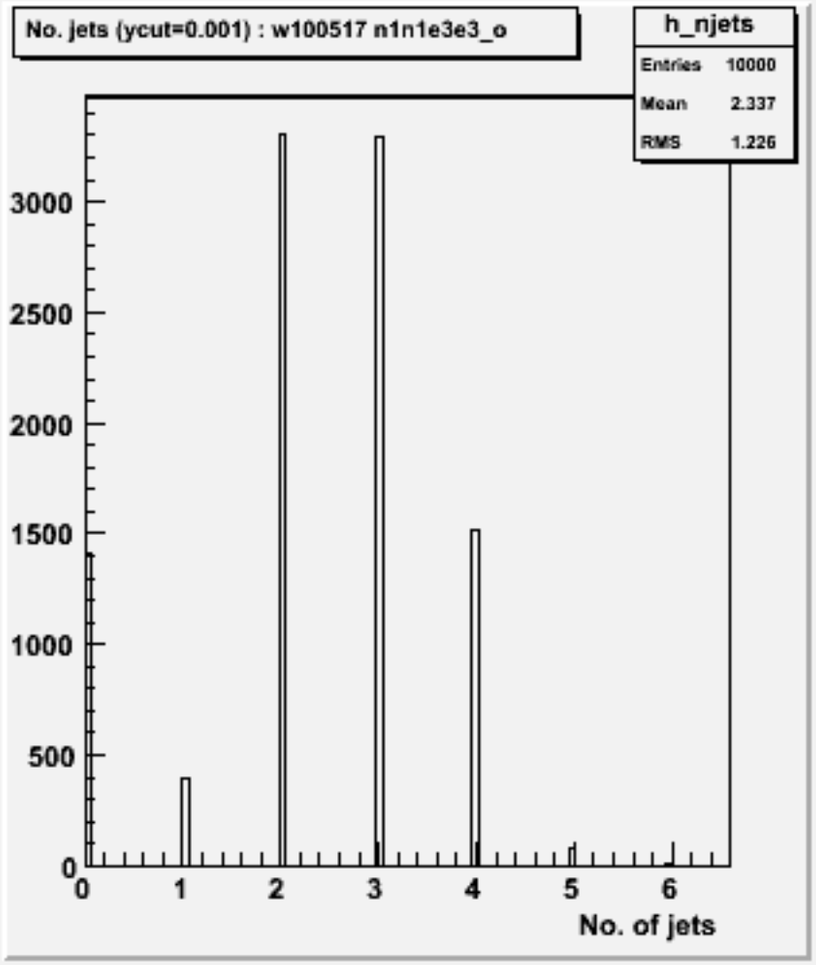

Total Energy (w/o ν): w100517 n1n1e3e3_o
h_evis
Entries 10000
Mean 104.3
RMS 43.51
Energy(GeV)

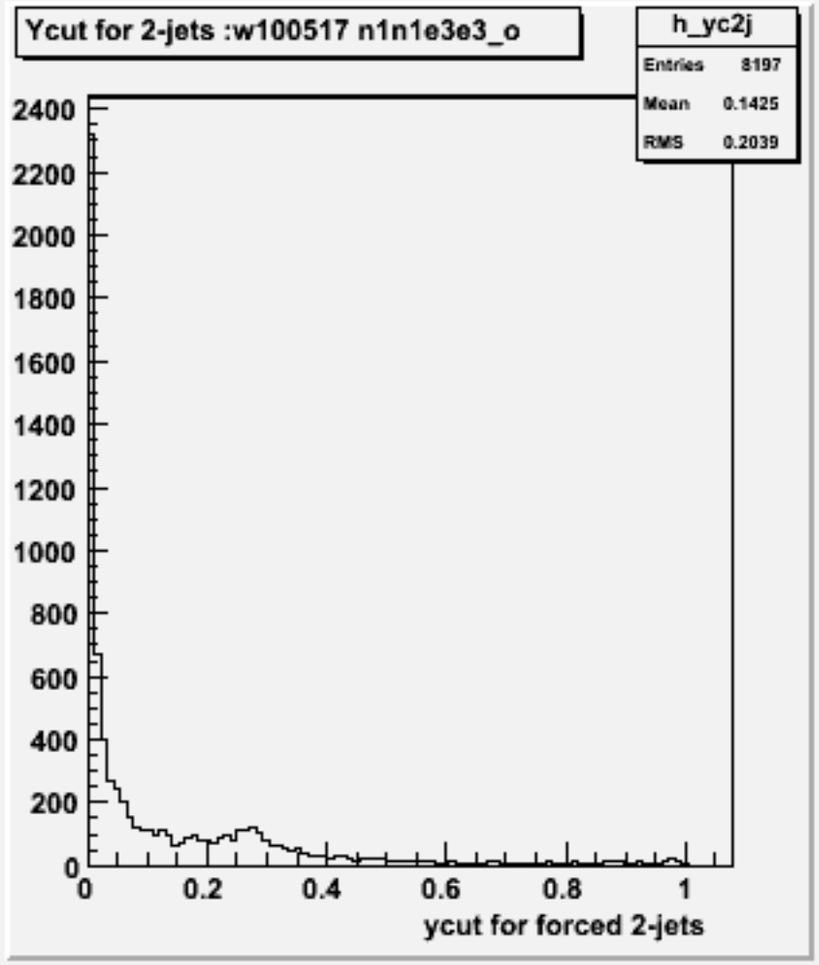

Pt Sum: w100517 n1n1e3e3_o
h_pt
Entries 10000
Mean 37.83
RMS 31.08
Pt(sum) (GeV)

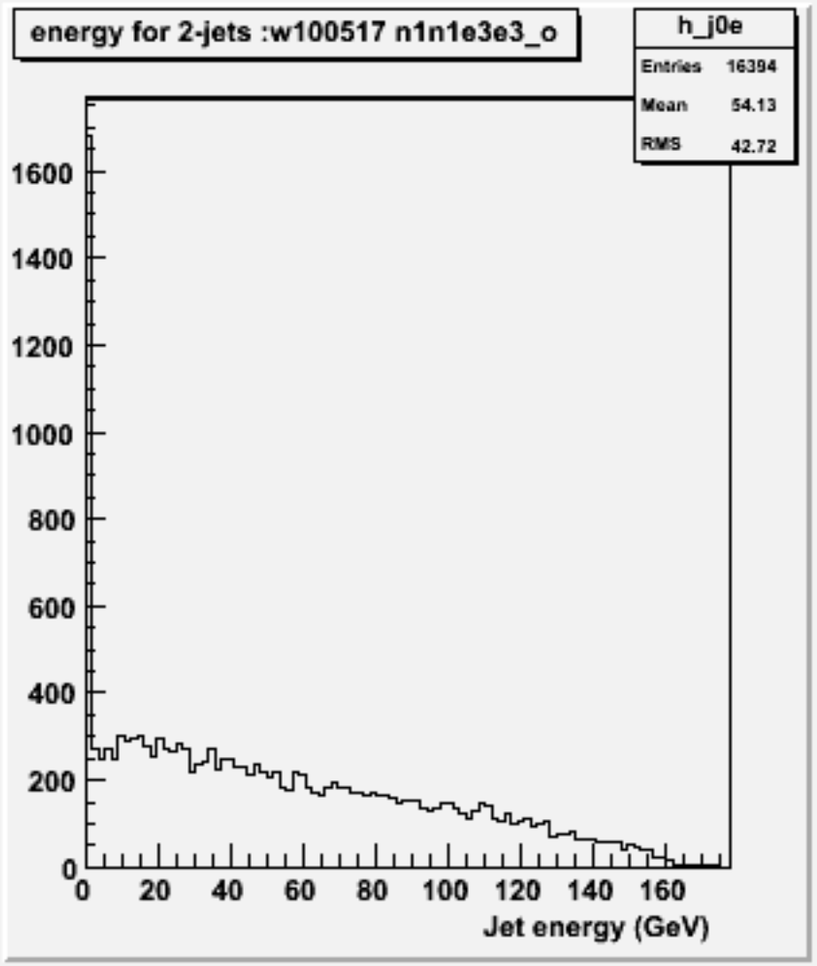

Pz Sum: w100517 n1n1e3e3_o
h_pz
Entries 10000
Mean -0.04677
RMS 74.85
Pz(sum) (GeV)

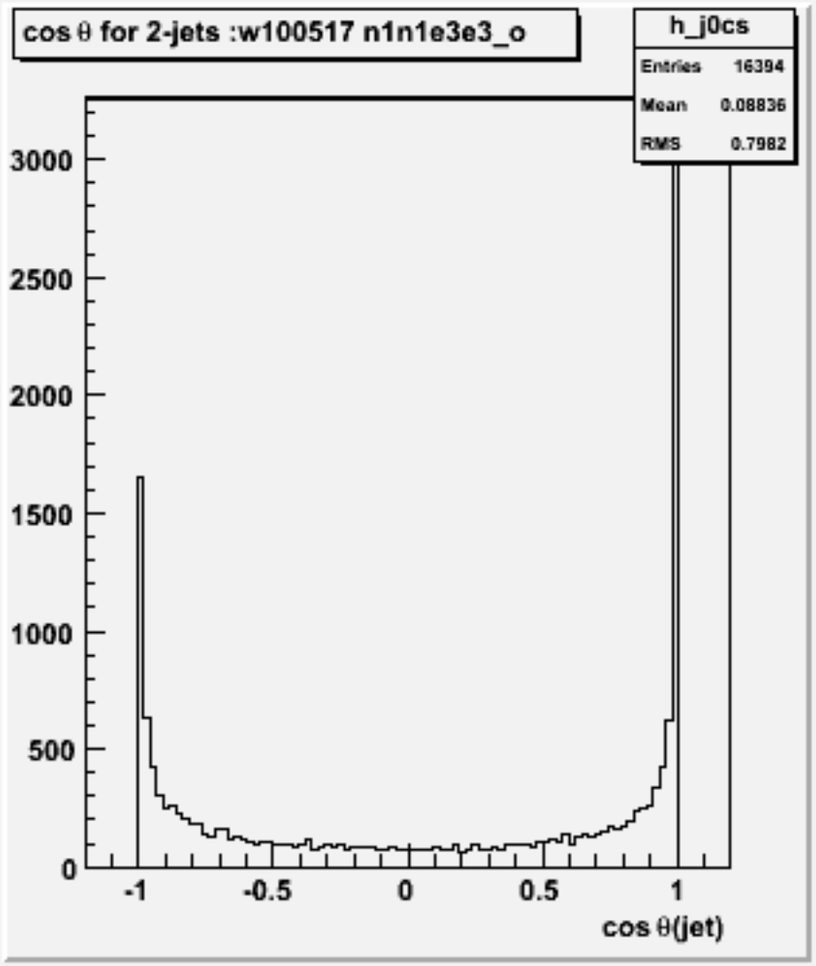

Thrust w100517 n1n1e3e3_o
h_thrust
Entries 10000
Mean 0.9146
RMS 0.08792
Thrust

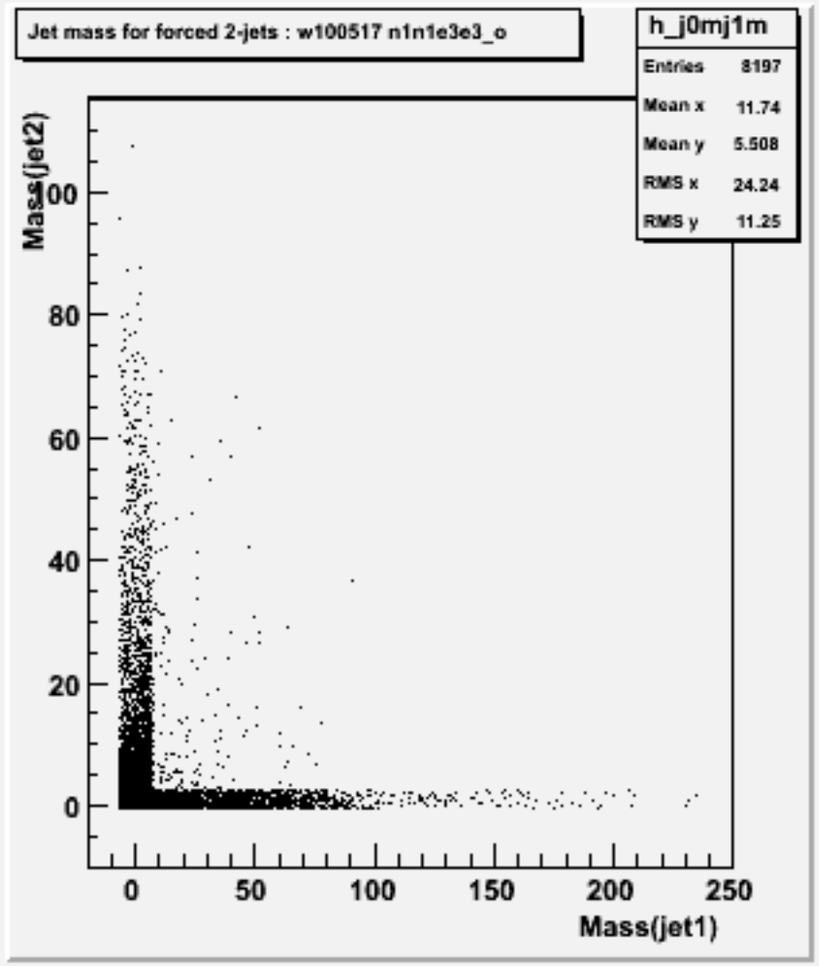

cosΘ(thrust) w100517 n1n1e3e3_o
h_csth
Entries 10000
Mean 0.008548
RMS 0.8318
Thrust

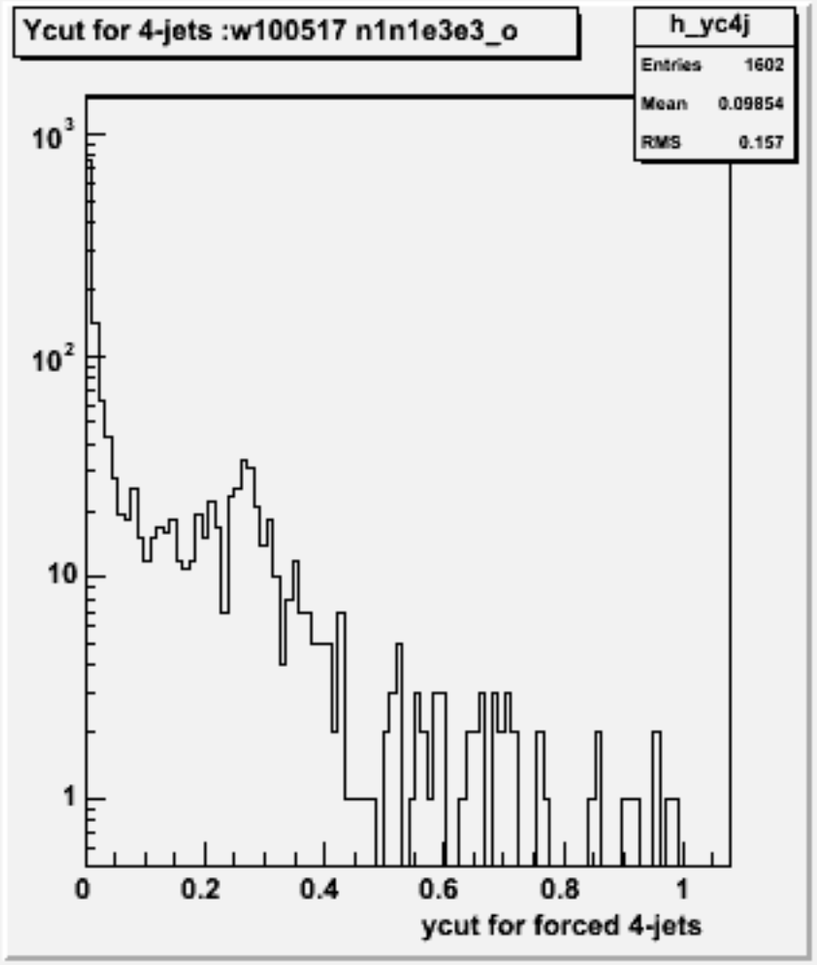

No. jets (ycut=0.001) : w100517 n1n1e3e3_o
h_njets
Entries 10000
Mean 2.337
RMS 1.226
No. of jets

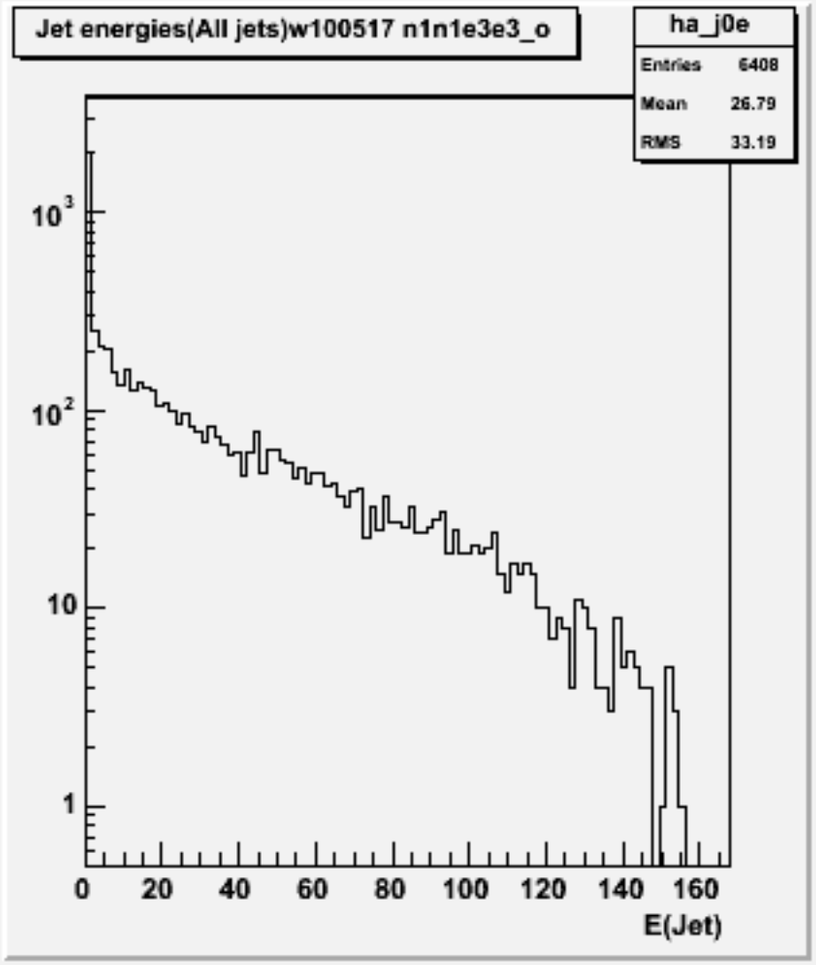

Ycut for 2-jets :w100517 n1n1e3e3_o
h_yc2j
Entries 8197
Mean 0.1425
RMS 0.2039
ycut for forced 2-jets

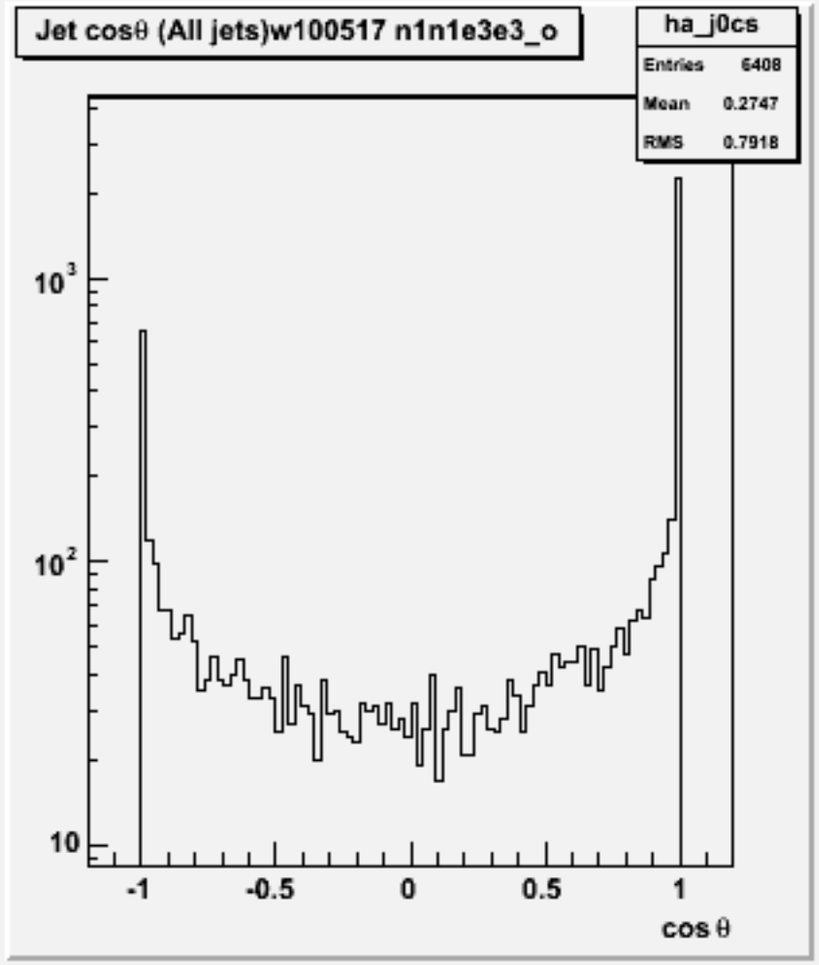

energy for 2-jets :w100517 n1n1e3e3_o
h_j0e
Entries 16394
Mean 54.13
RMS 42.72
Jet energy (GeV)

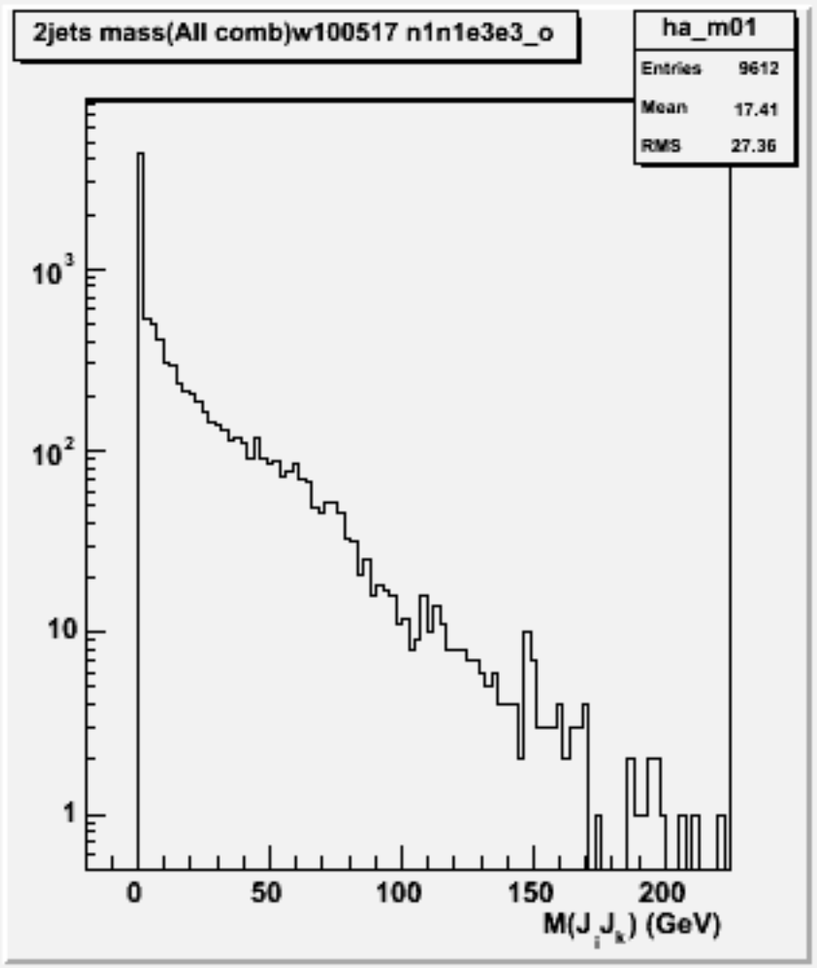

cos θ for 2-jets :w100517 n1n1e3e3_o
h_j0cs
Entries 16394
Mean 0.08836
RMS 0.7982
cos θ(jet)

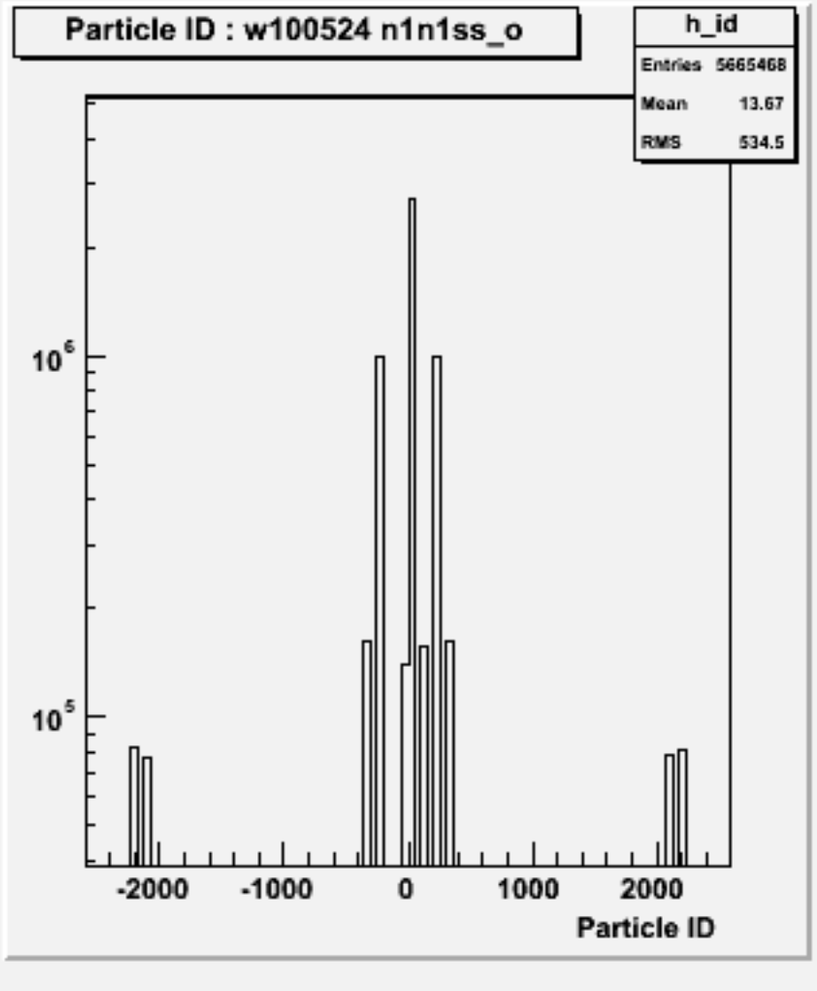

Jet mass for forced 2-jets : w100517 n1n1e3e3_o
h_j0mj1m
Entries 8197
Mean x 11.74
Mean y 5.508
RMS x 24.24
RMS y 11.25
Mass(jet2)
Mass(jet1)

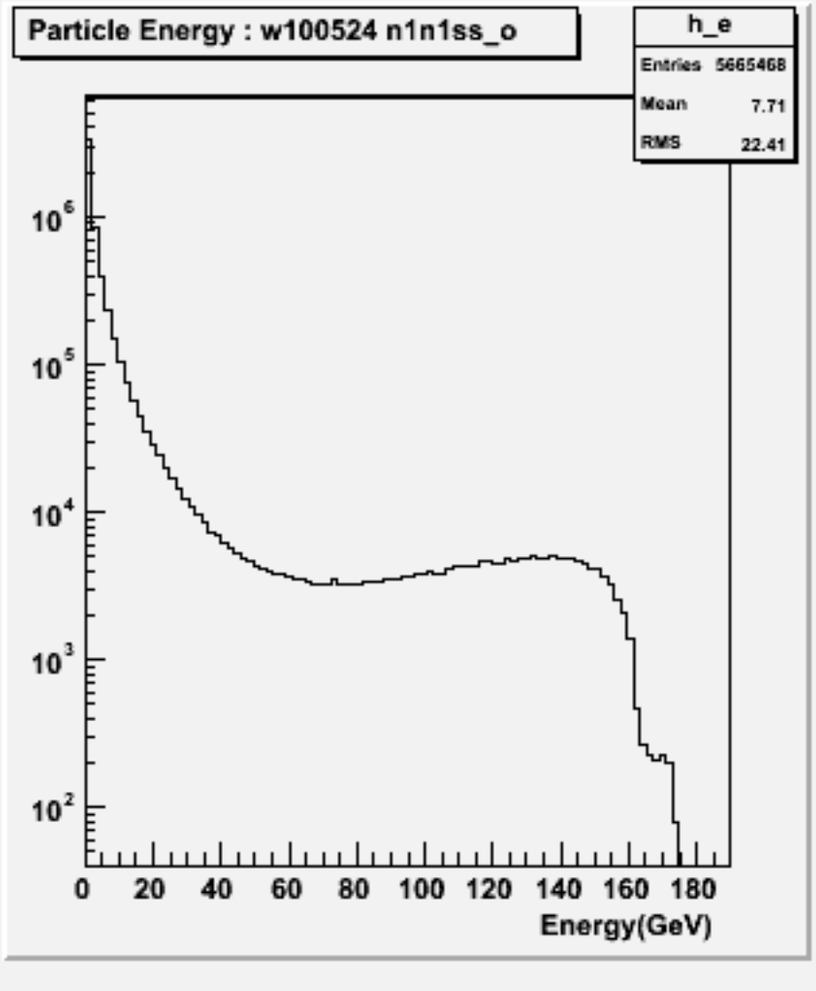

Ycut for 4-jets :w100517 n1n1e3e3_o
h_yc4j
Entries 1602
Mean 0.09854
RMS 0.157
ycut for forced 4-jets

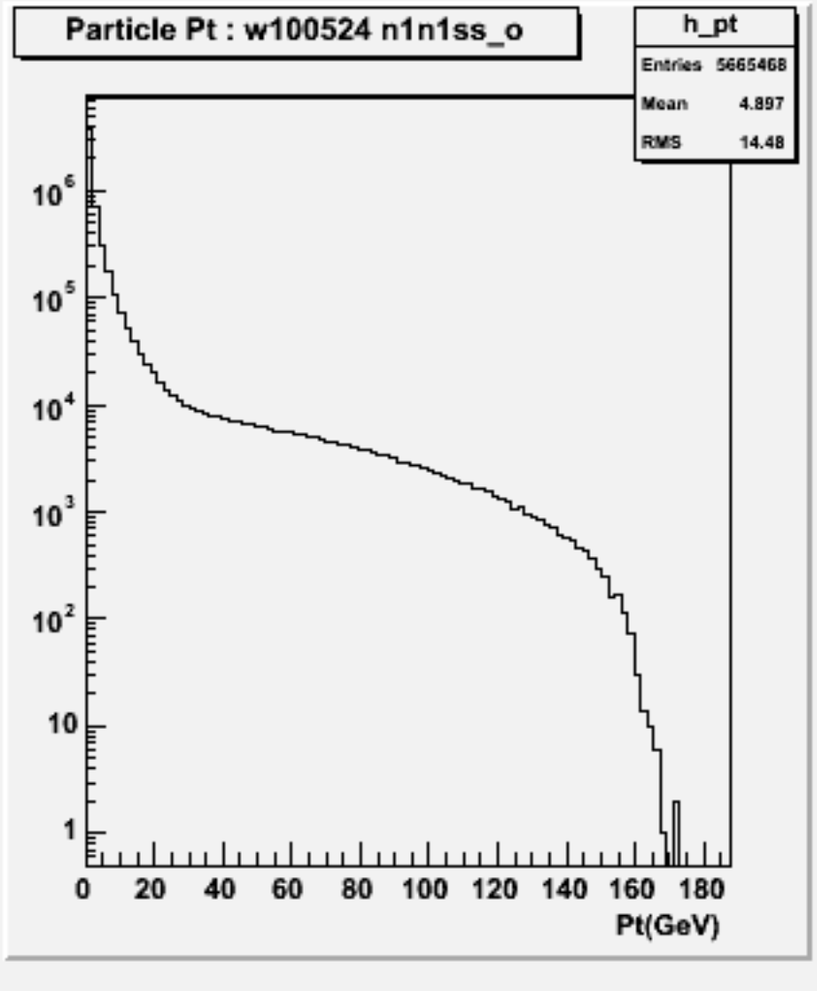

Jet energies(All jets)w100517 n1n1e3e3_o
ha_j0e
Entries 6408
Mean 26.79
RMS 33.19
E(Jet)

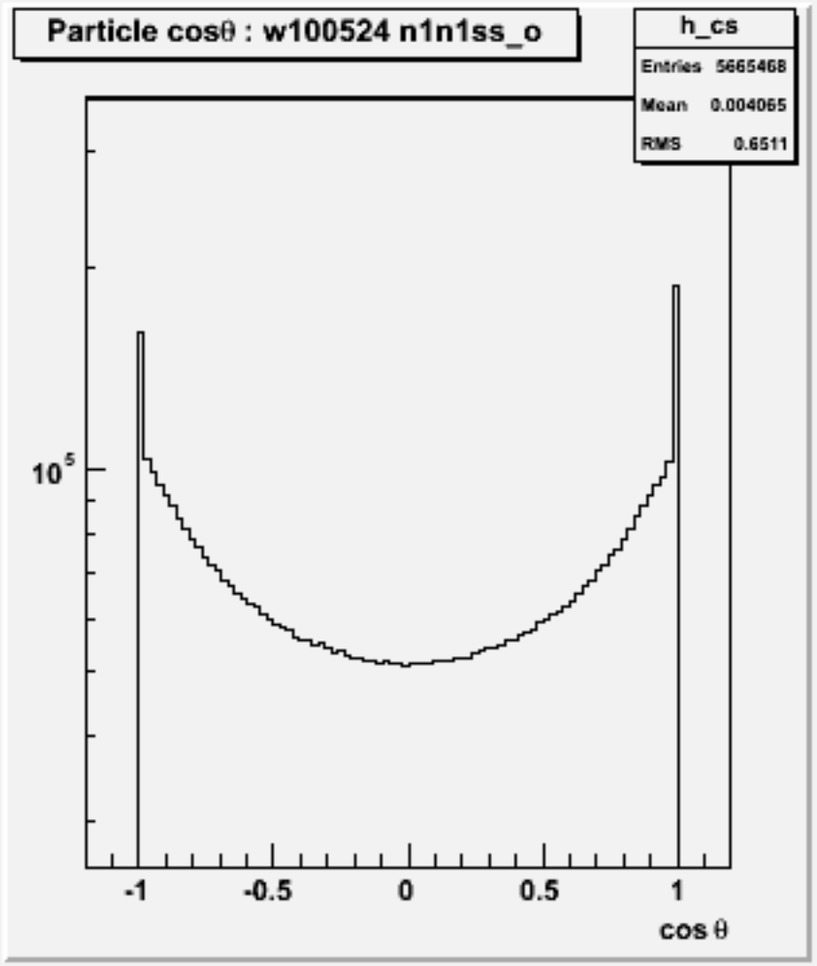

Jet cosθ (All jets)w100517 n1n1e3e3_o
ha_j0cs
Entries 6408
Mean 0.2747
RMS 0.7918
cos θ

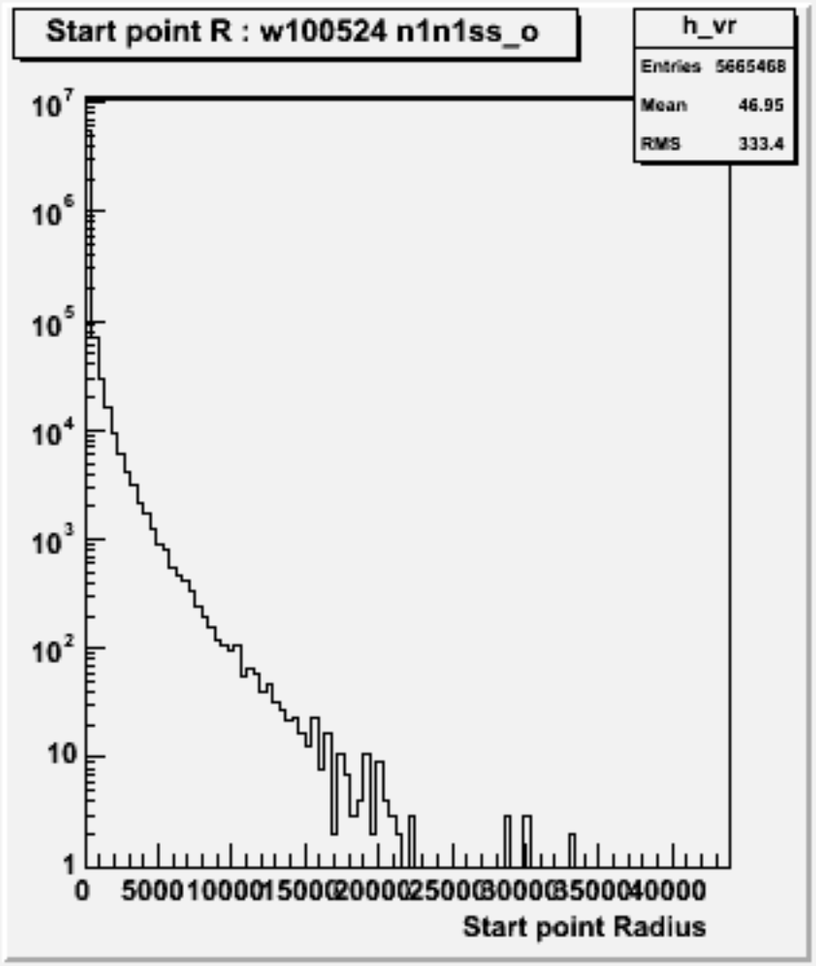

2jets mass(All comb)w100517 n1n1e3e3_o
ha_m01
Entries 9612
Mean 17.41
RMS 27.36
M(J_iJ_k) (GeV)

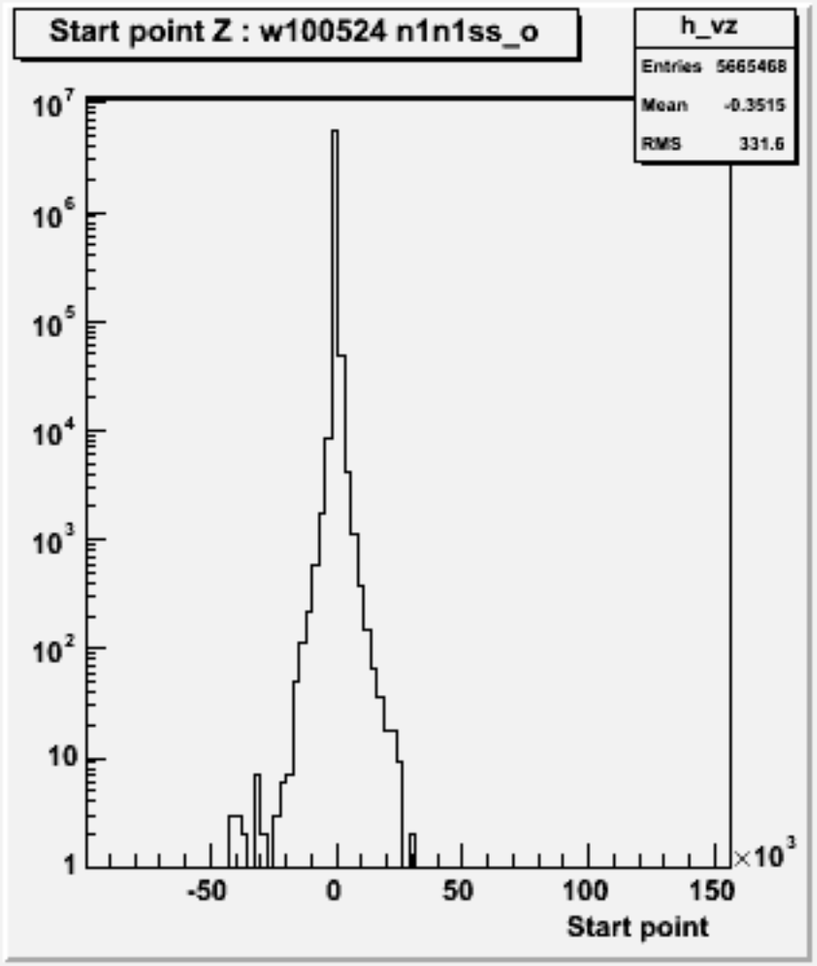

Particle ID : w100524 n1n1ss_o
h_id
Entries 5665468
Mean 13.67
RMS 534.5
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

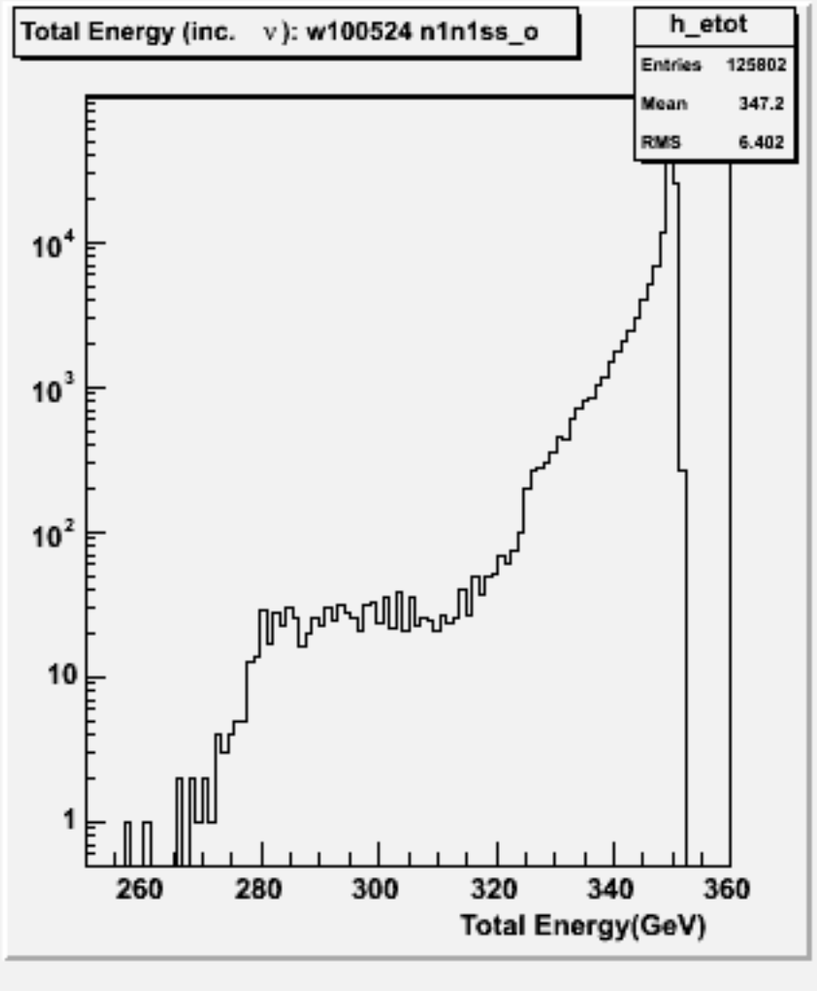

Particle Energy : w100524 n1n1ss_o
h_e
Entries 5665468
Mean 7.71
RMS 22.41
10^6
10^5
10^4
10^3
10^2
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

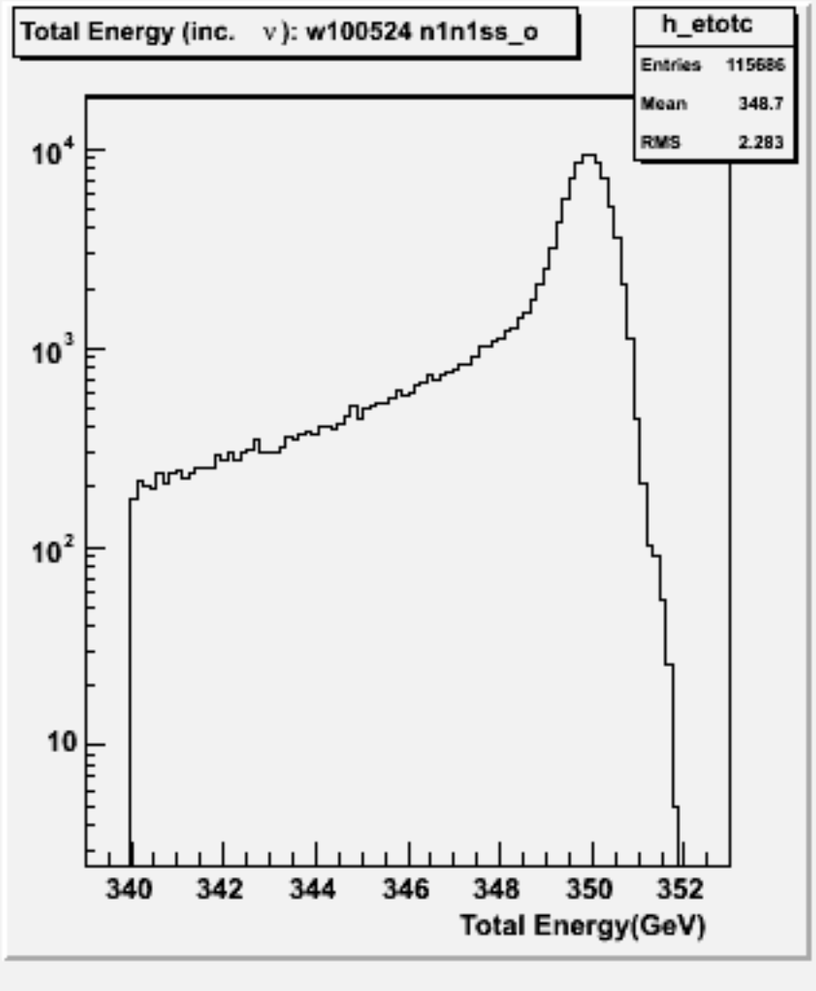

Particle Pt : w100524 n1n1ss_o
h_pt
Entries 5665468
Mean 4.897
RMS 14.48
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

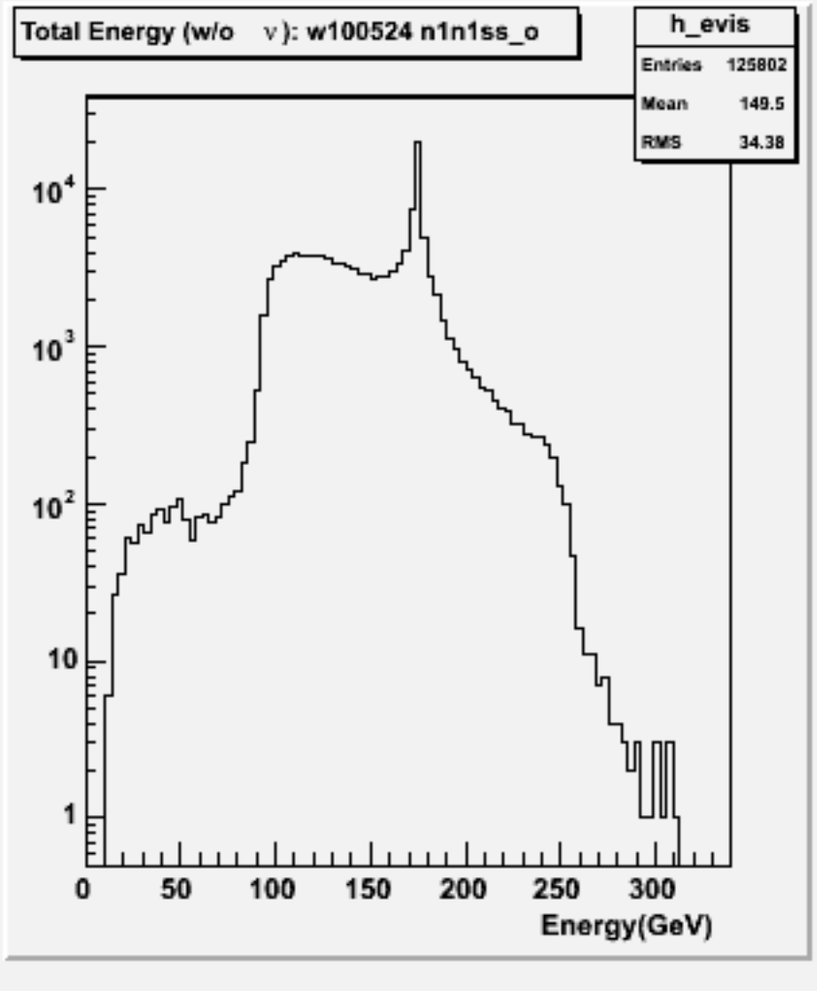

Particle cosθ : w100524 n1n1ss_o
h_cs
Entries 5665468
Mean 0.004065
RMS 0.6511
10^5
-1
-0.5
0
0.5
1
cos θ

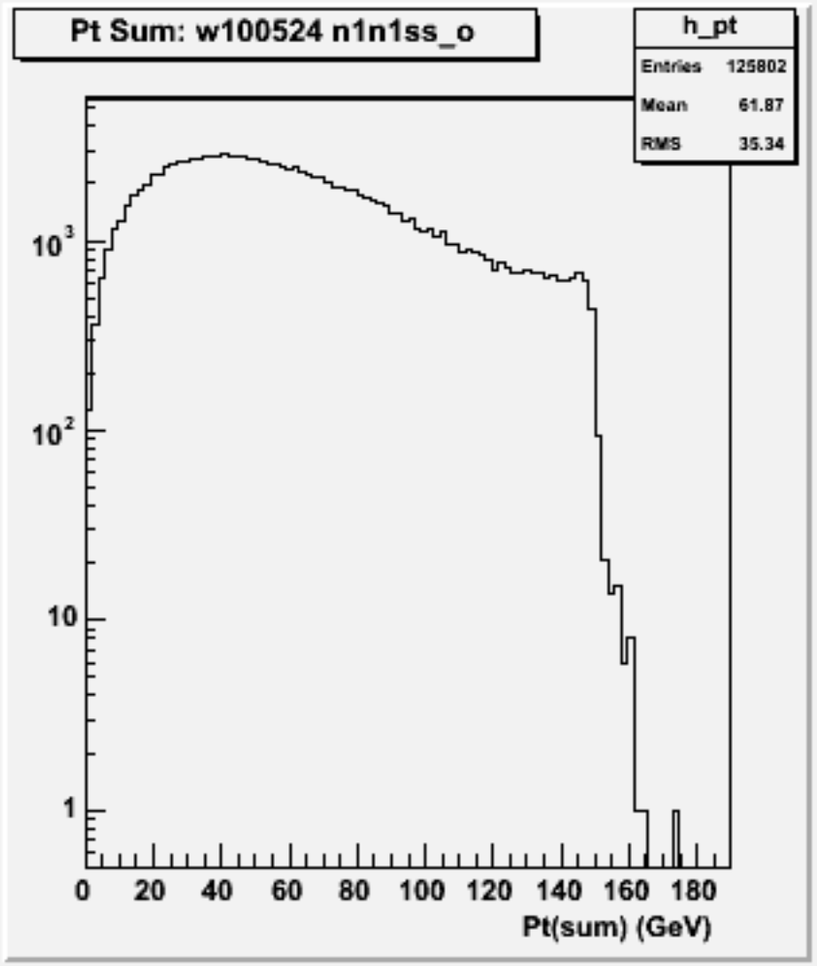

Start point R : w100524 n1n1ss_o
h_vr
Entries 5665468
Mean 46.95
RMS 333.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
40000
Start point Radius

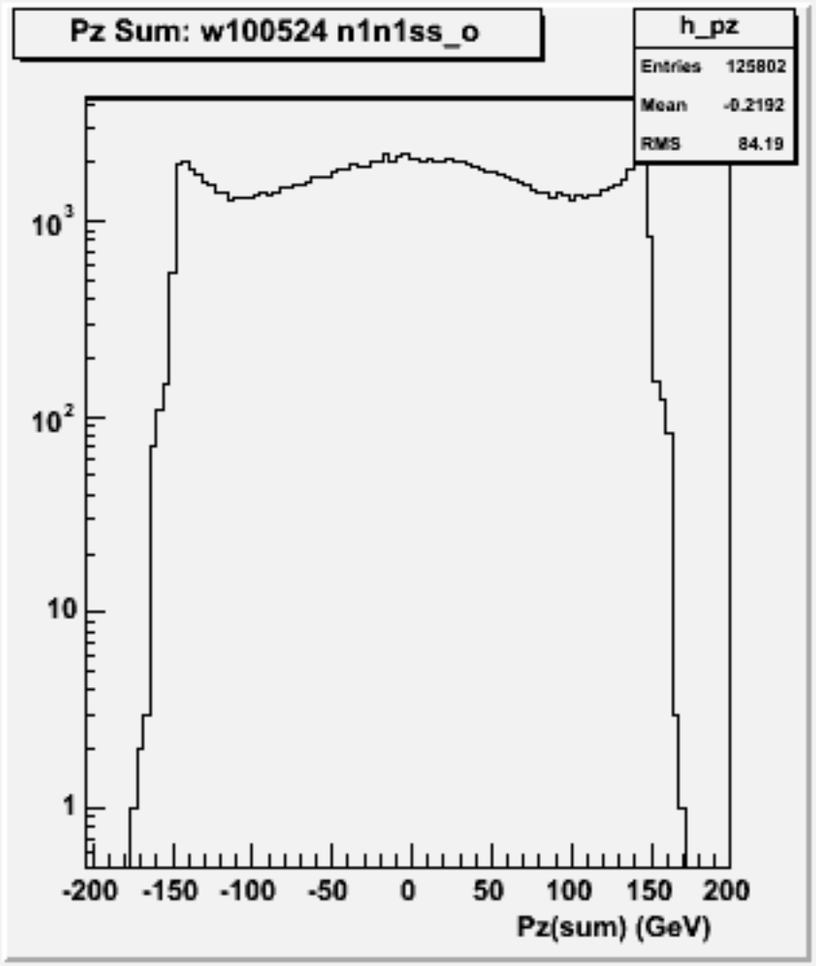

Start point Z : w100524 n1n1ss_o
h_vz
Entries 5665468
Mean -0.3515
RMS 331.6
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-50
0
50
100
150
$\times 10^3$
Start point

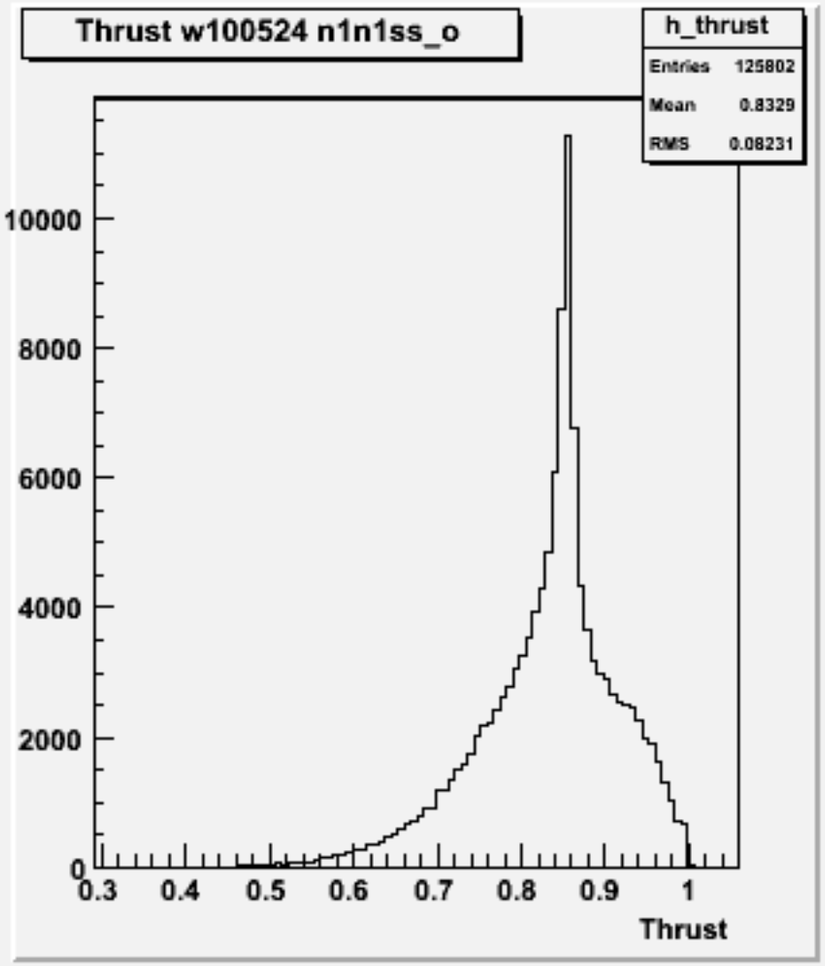

Total Energy (inc. ν): w100524 n1n1ss_o
h_etot
Entries 125802
Mean 347.2
RMS 6.402
Total Energy(GeV)

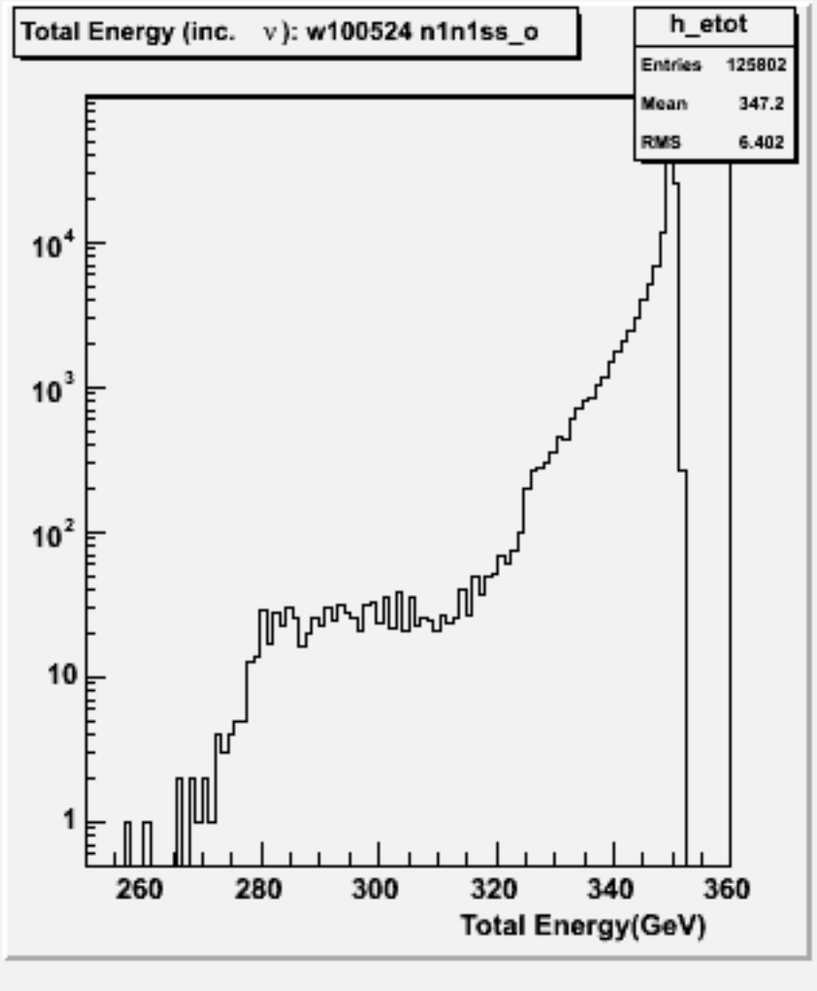

Total Energy (inc. ν): w100524 n1n1ss_o
h_etotc
Entries 115686
Mean 348.7
RMS 2.283
Total Energy(GeV)

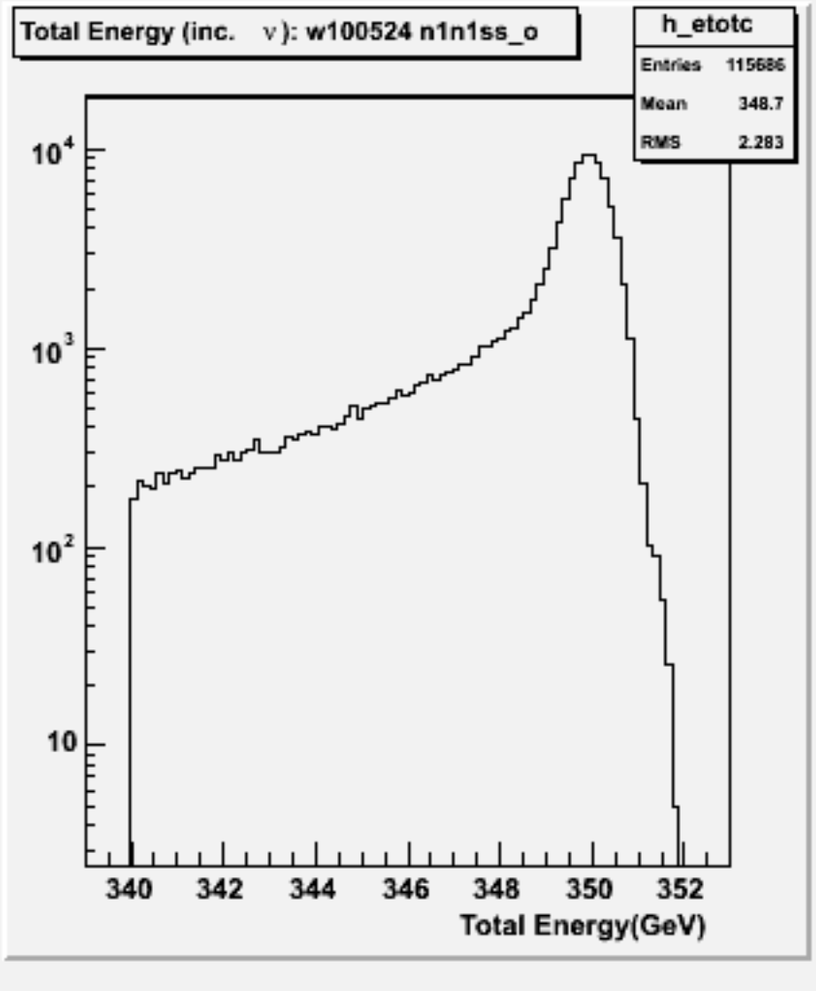

Total Energy (w/o ν): w100524 n1n1ss_o
h_evis
Entries 125802
Mean 149.5
RMS 34.38
Energy(GeV)

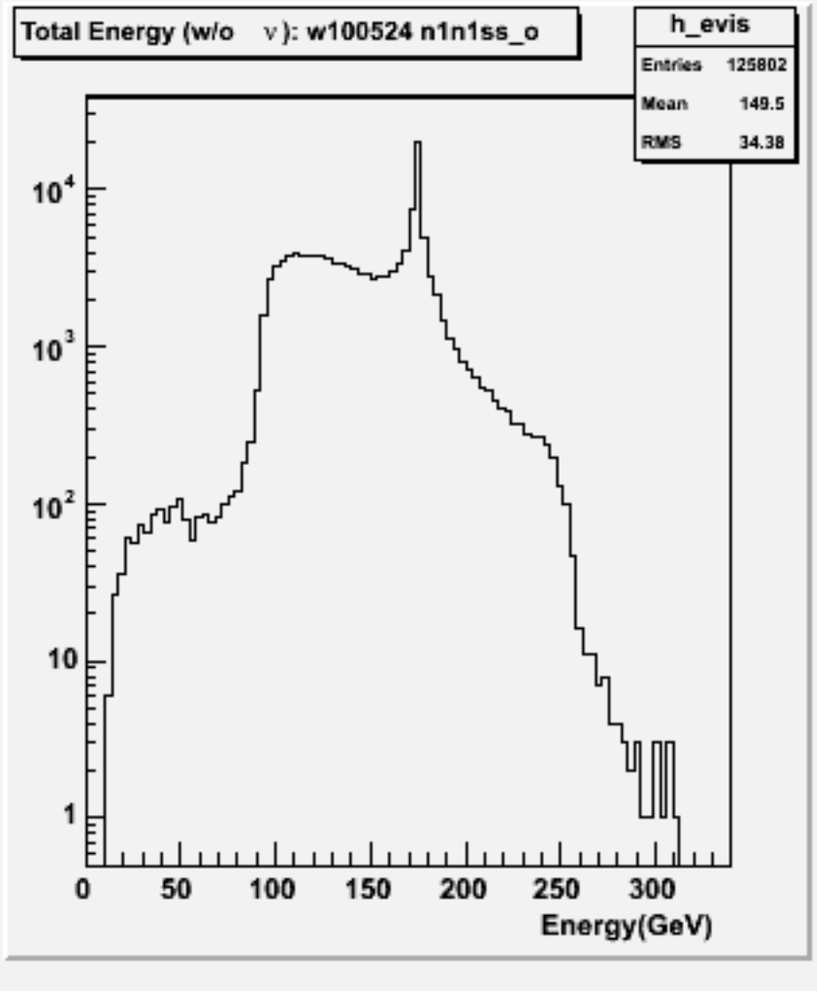

Pt Sum: w100524 n1n1ss_o
h_pt
Entries 125802
Mean 61.87
RMS 35.34
Pt(sum) (GeV)

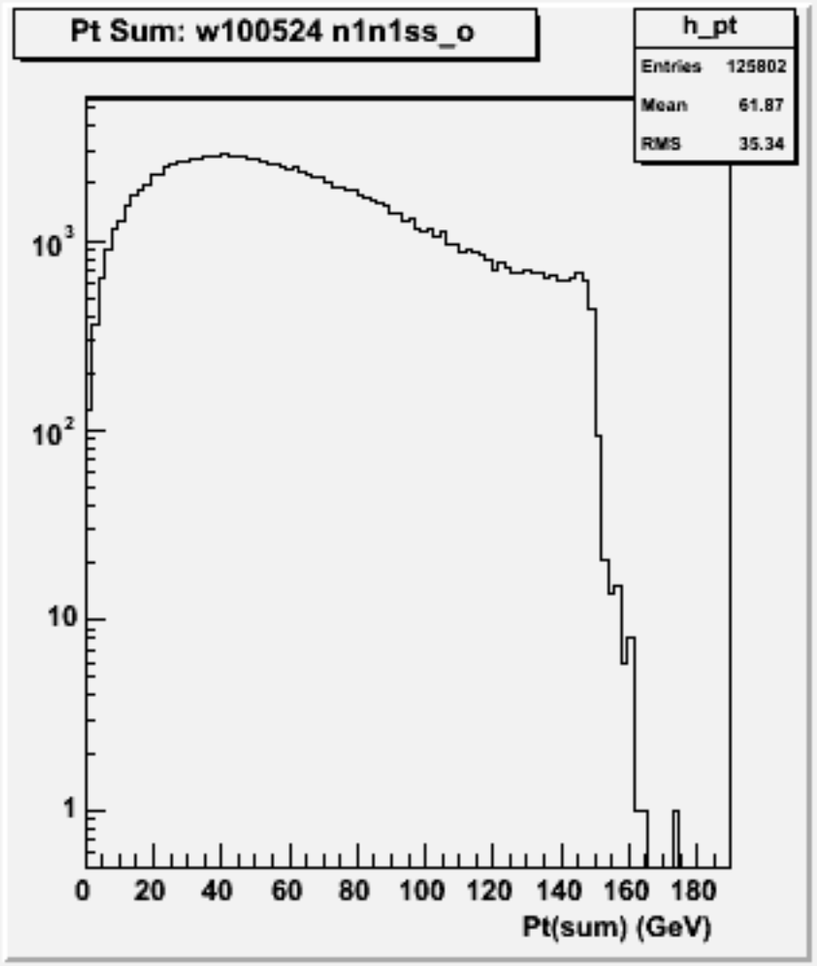

Pz Sum: w100524 n1n1ss_o
h_pz
Entries 125802
Mean -0.2192
RMS 84.19
Pz(sum) (GeV)

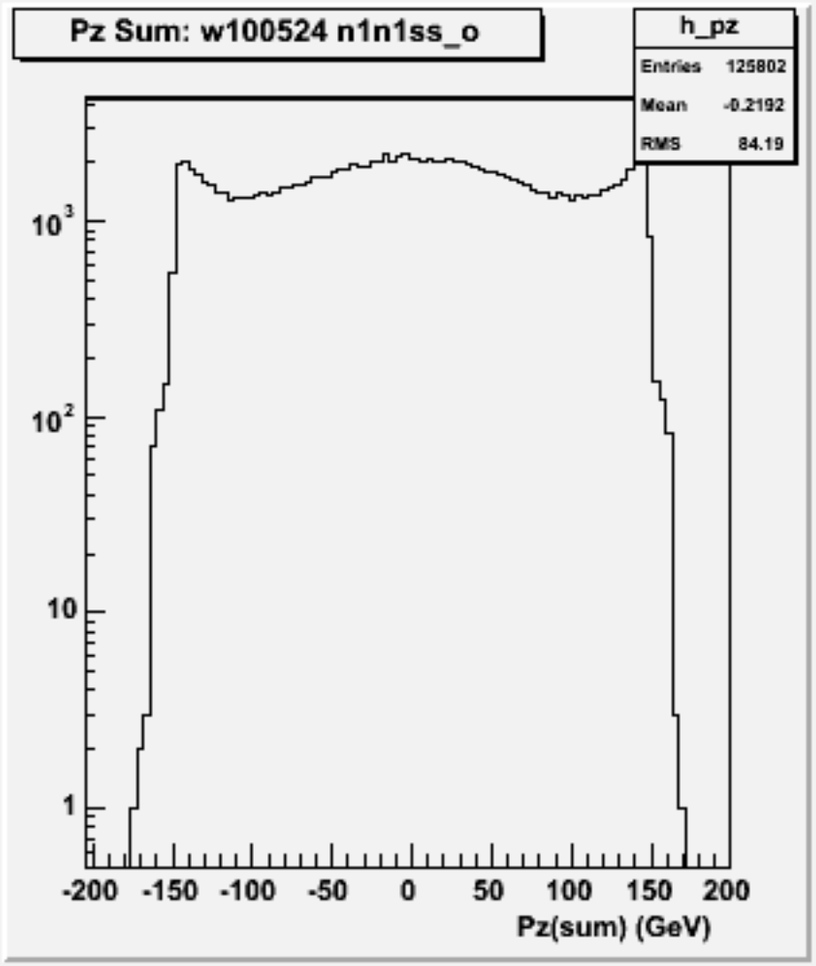

Thrust w100524 n1n1ss_o
h_thrust
Entries 125802
Mean 0.8329
RMS 0.08231
Thrust

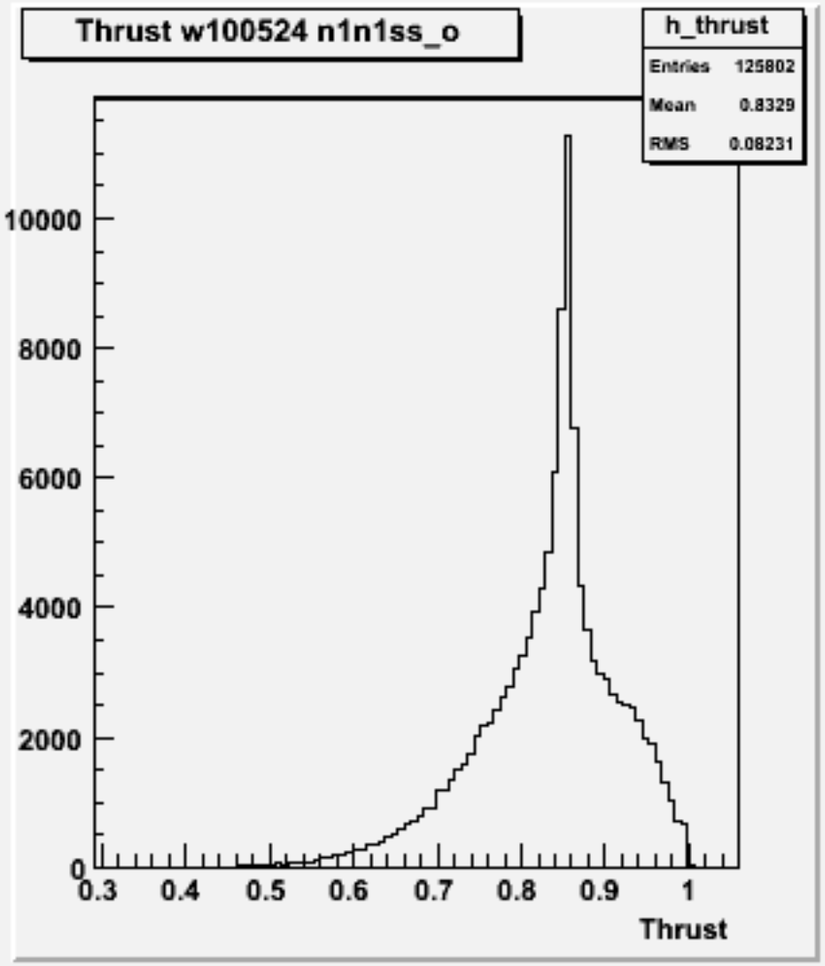

Total Energy (inc. ν): w100524 n1n1ss_o
h_etot
Entries 125802
Mean 347.2
RMS 6.402
Total Energy(GeV)

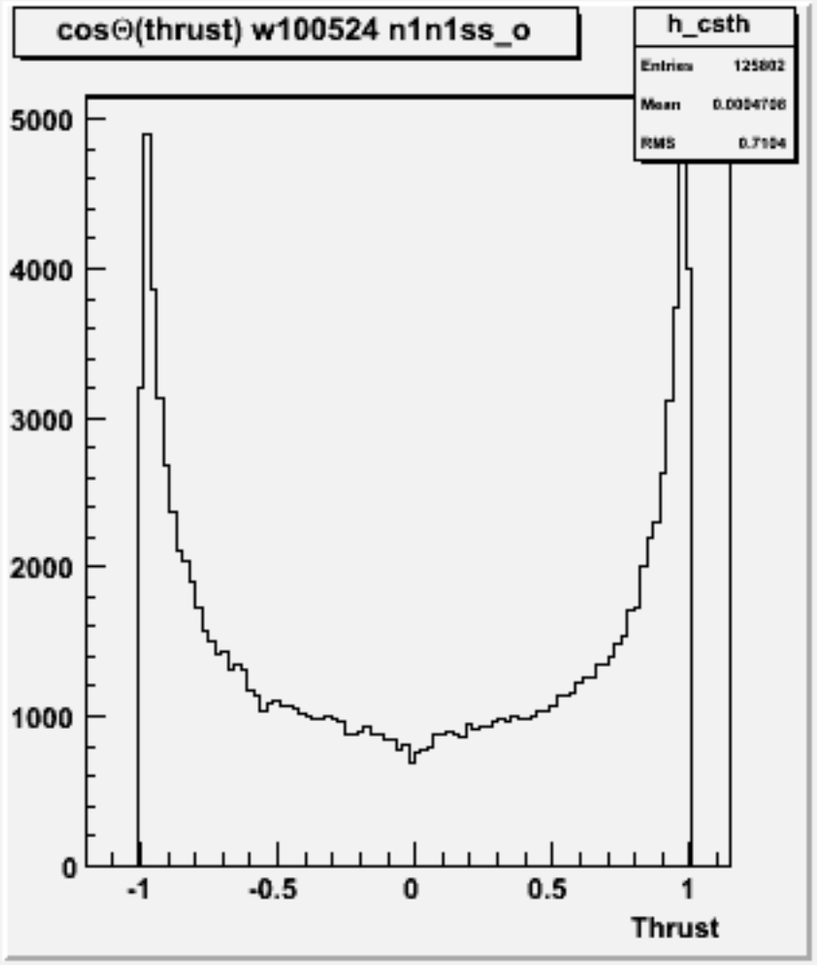

Total Energy (inc. ν): w100524 n1n1ss_o
h_etotc
Entries 115686
Mean 348.7
RMS 2.283
Total Energy(GeV)

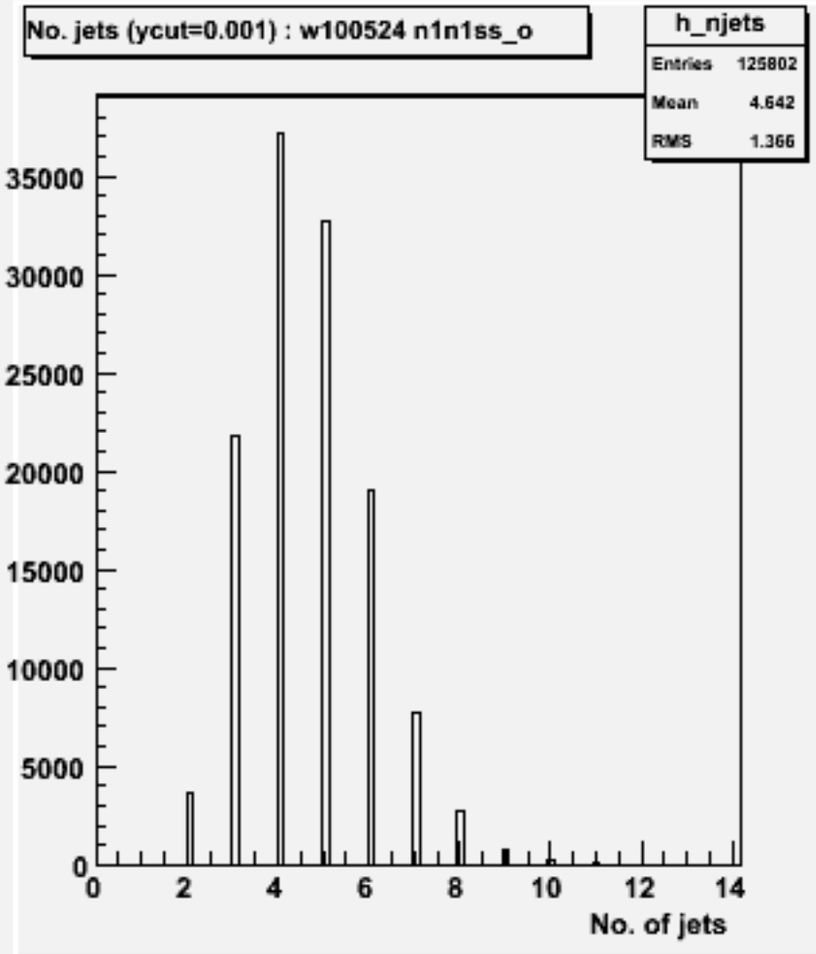

Total Energy (w/o ν): w100524 n1n1ss_o
h_evis
Entries 125802
Mean 149.5
RMS 34.38
Energy(GeV)

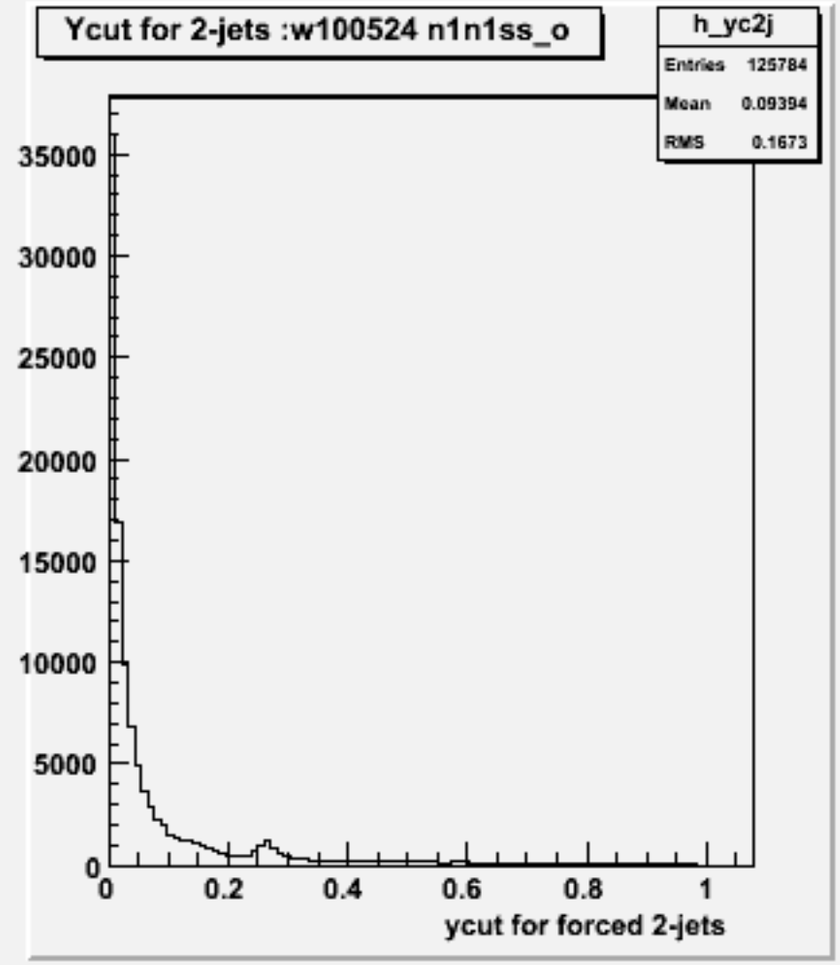

Pt Sum: w100524 n1n1ss_o
h_pt
Entries 125802
Mean 61.87
RMS 35.34
Pt(sum) (GeV)

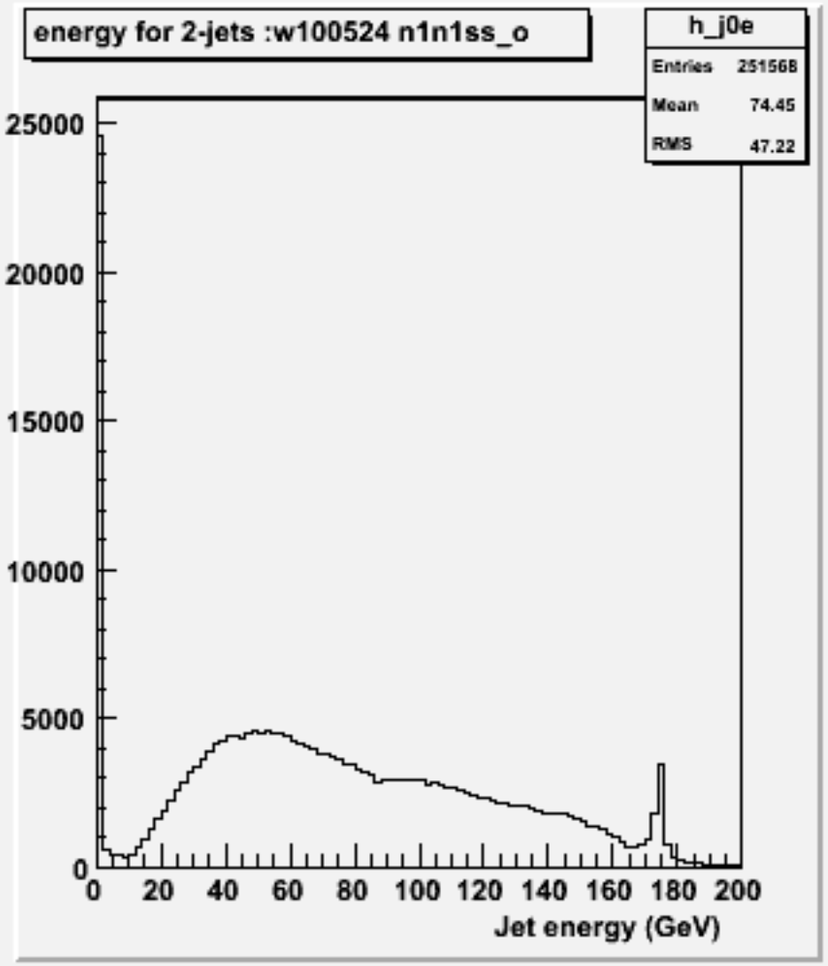

Pz Sum: w100524 n1n1ss_o
h_pz
Entries 125802
Mean -0.2192
RMS 84.19
Pz(sum) (GeV)

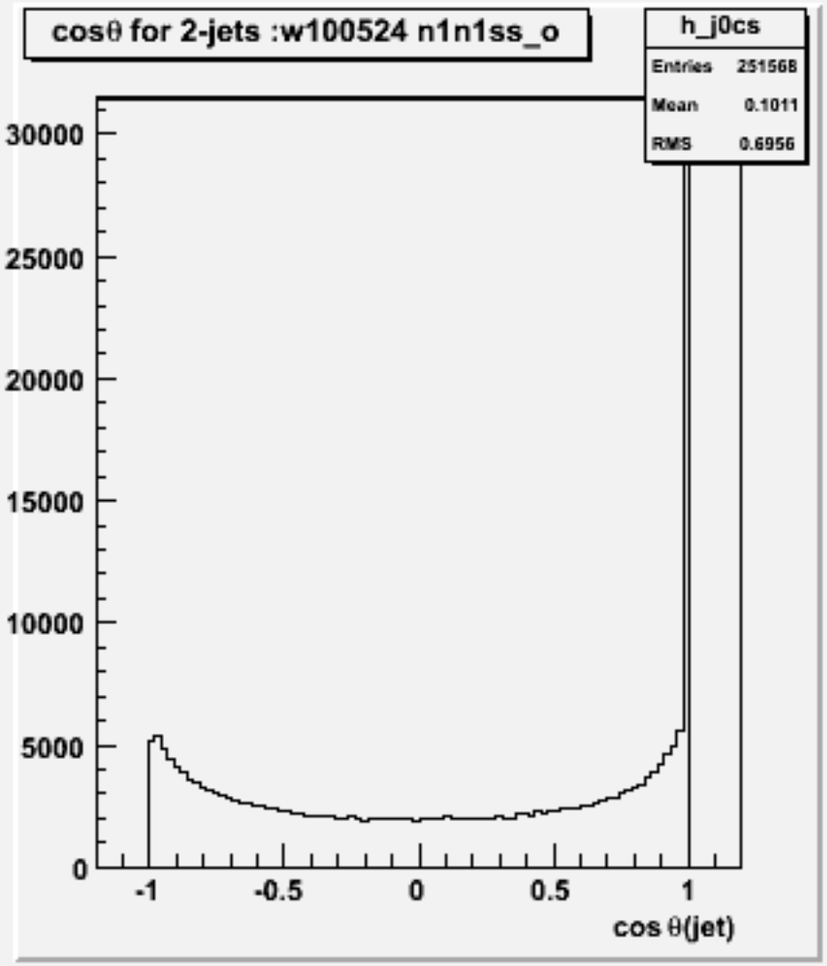

Thrust w100524 n1n1ss_o
h_thrust
Entries 125802
Mean 0.8329
RMS 0.08231
Thrust

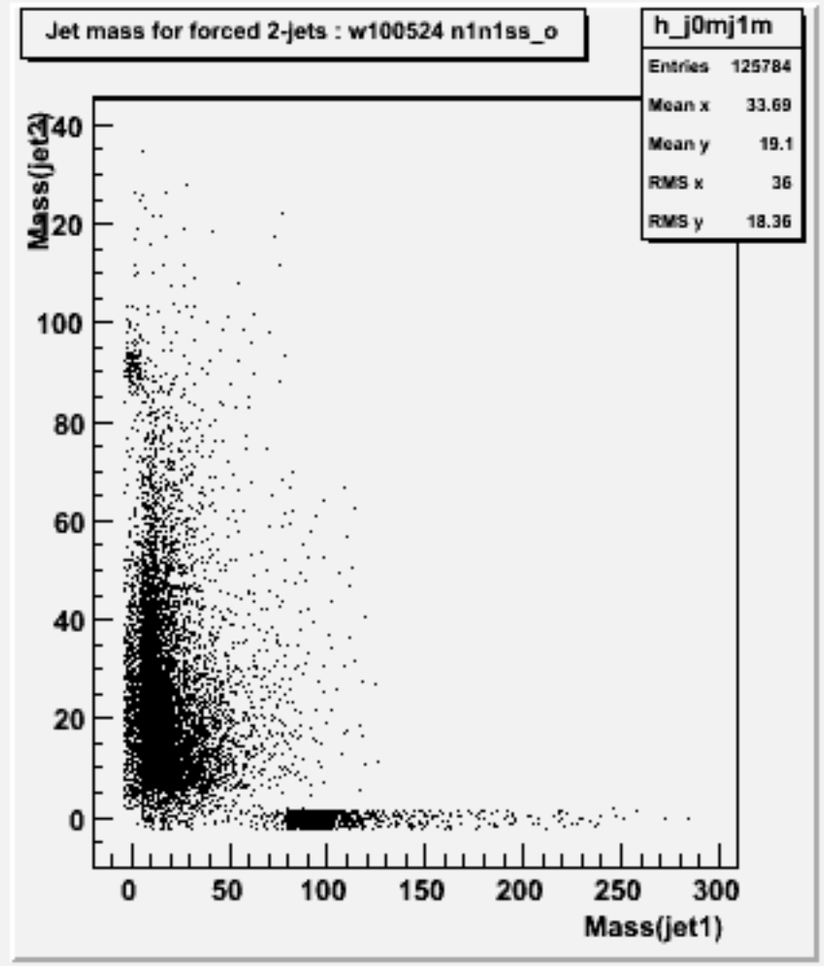

cosΘ(thrust) w100524 n1n1ss_o
h_csth
Entries 125802
Mean 0.0004706
RMS 0.7154
Thrust

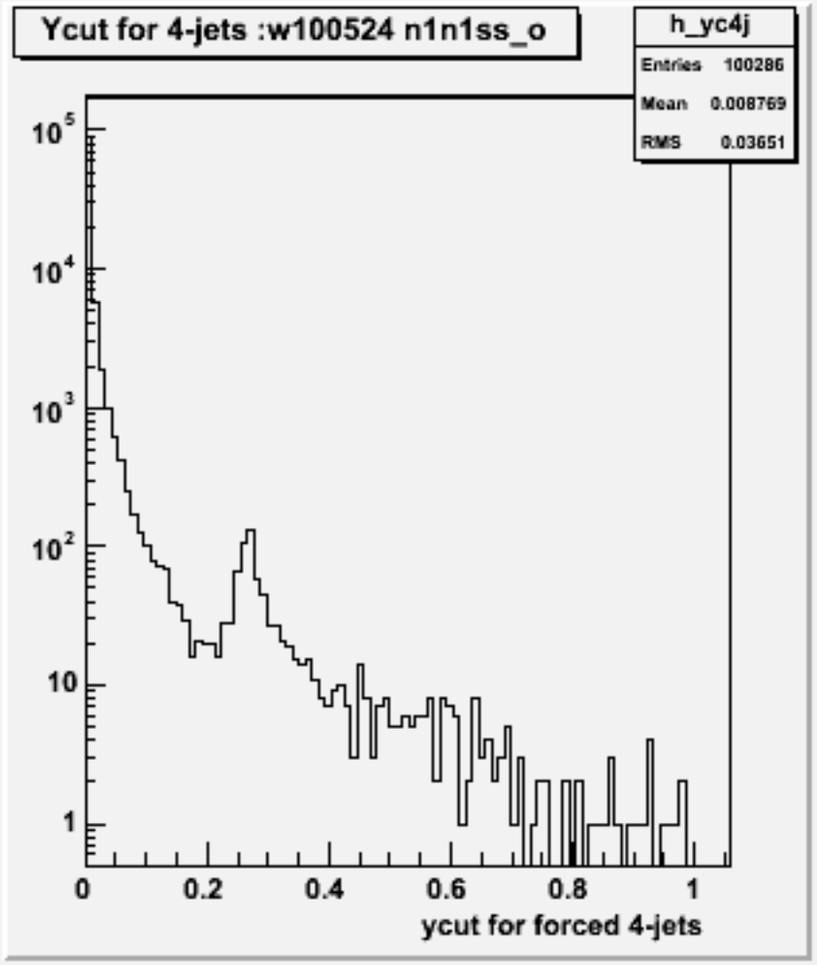

No. jets (ycut=0.001) : w100524 n1n1ss_o
h_njets
Entries 125802
Mean 4.642
RMS 1.366
No. of jets

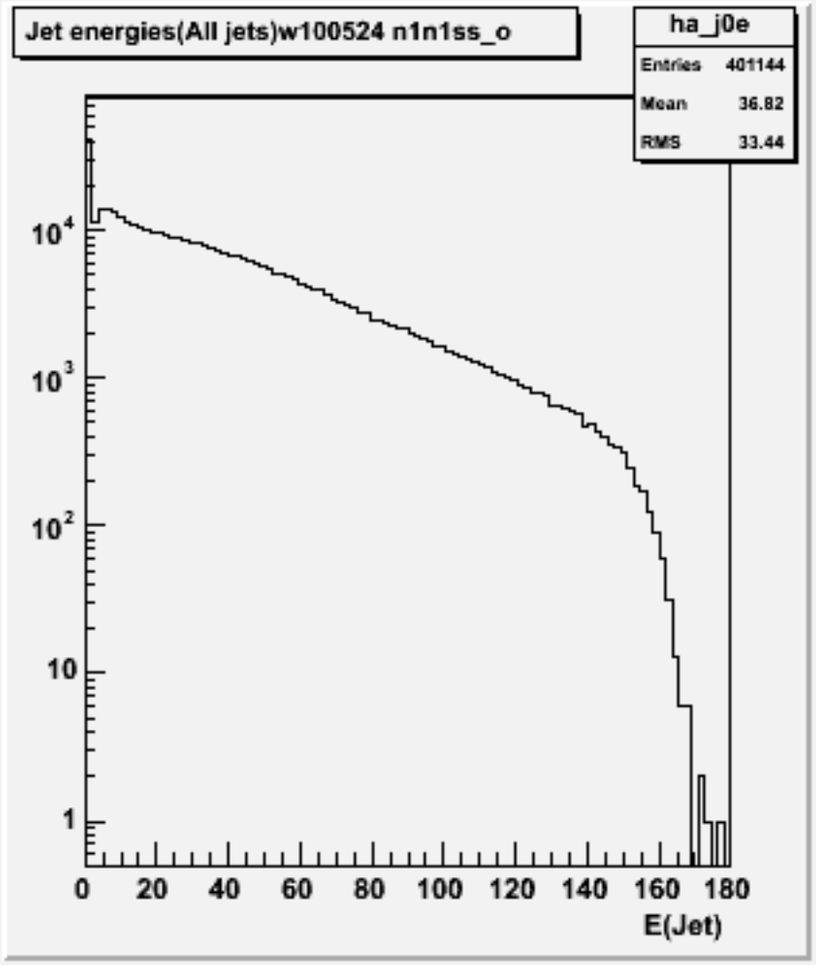

Ycut for 2-jets :w100524 n1n1ss_o
h_yc2j
Entries 125784
Mean 0.09394
RMS 0.1673
ycut for forced 2-jets

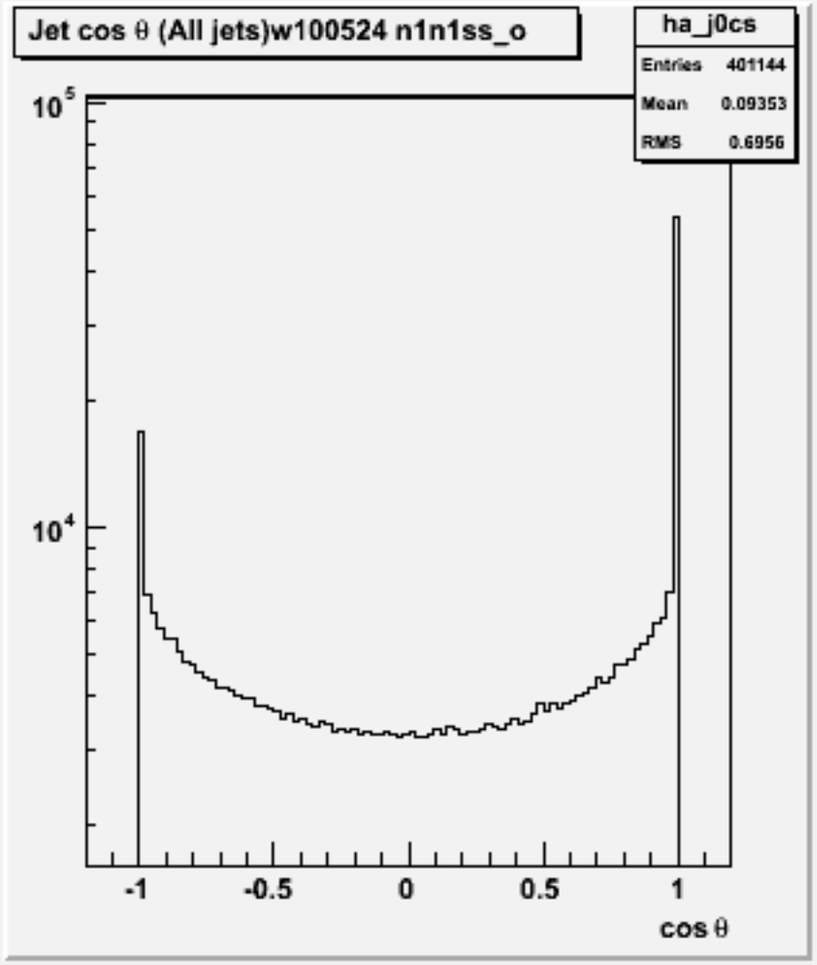

energy for 2-jets :w100524 n1n1ss_o
h_j0e
Entries 251568
Mean 74.45
RMS 47.22
Jet energy (GeV)

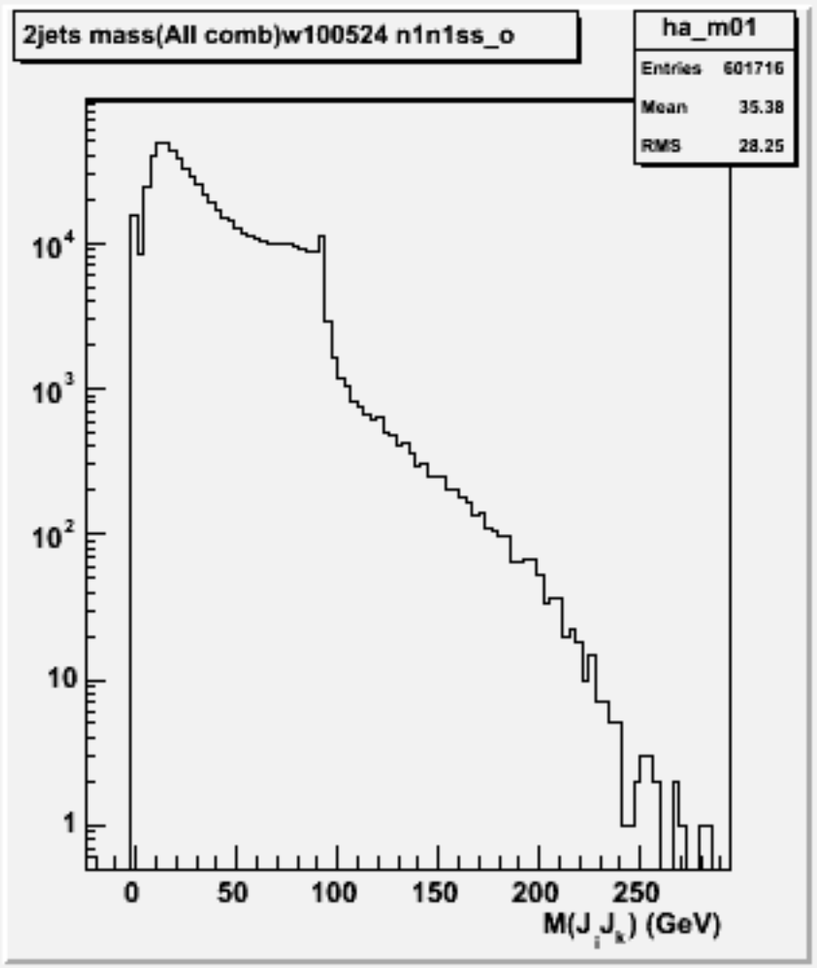

cosθ for 2-jets :w100524 n1n1ss_o
h_j0cs
Entries 251568
Mean 0.1011
RMS 0.6956
cos θ(jet)

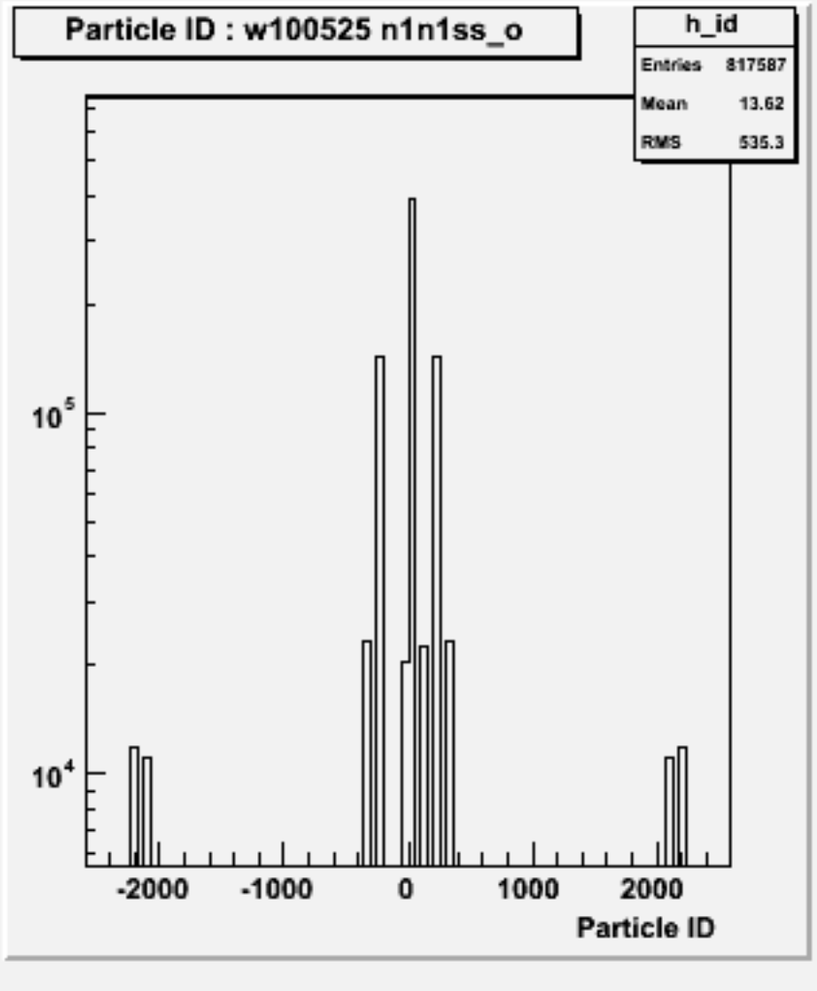

Jet mass for forced 2-jets : w100524 n1n1ss_o
h_j0mj1m
Entries 125784
Mean x 33.69
Mean y 19.1
RMS x 36
RMS y 18.36
Mass(jet2)
Mass(jet1)

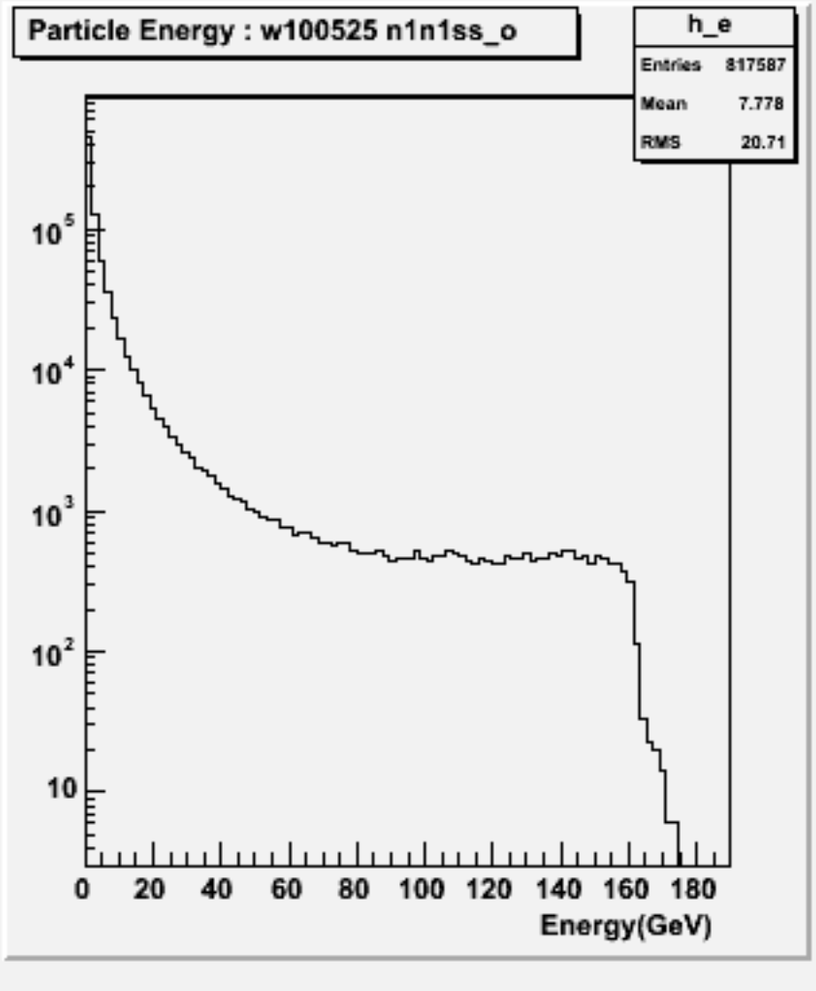

Ycut for 4-jets :w100524 n1n1ss_o
h_yc4j
Entries 100286
Mean 0.008769
RMS 0.03651
ycut for forced 4-jets

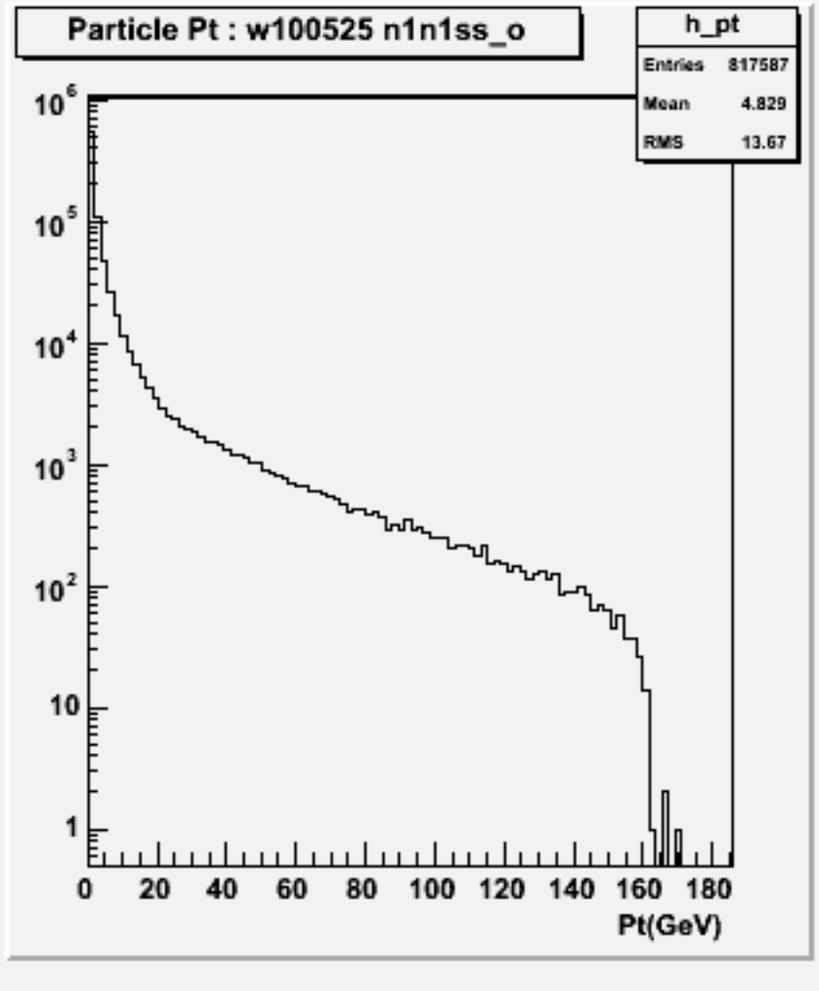

Jet energies(All jets)w100524 n1n1ss_o
ha_j0e
Entries 401144
Mean 36.82
RMS 33.44
E(Jet)

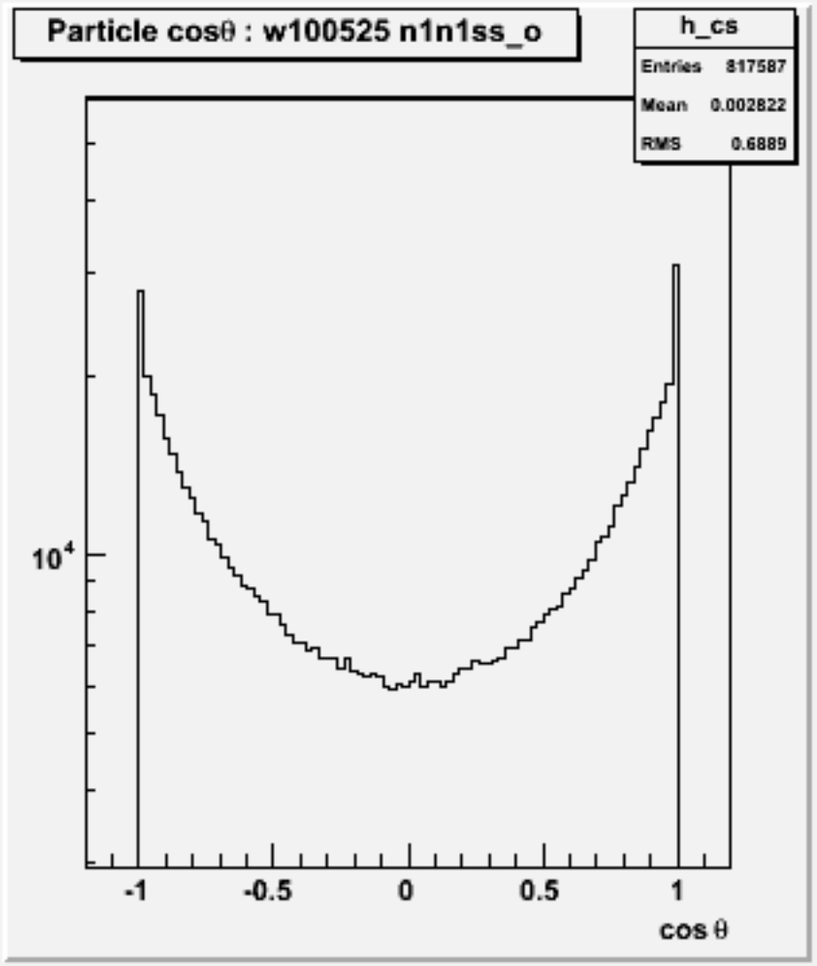

Jet cos θ (All jets)w100524 n1n1ss_o
ha_j0cs
Entries 401144
Mean 0.09353
RMS 0.6956
cos θ

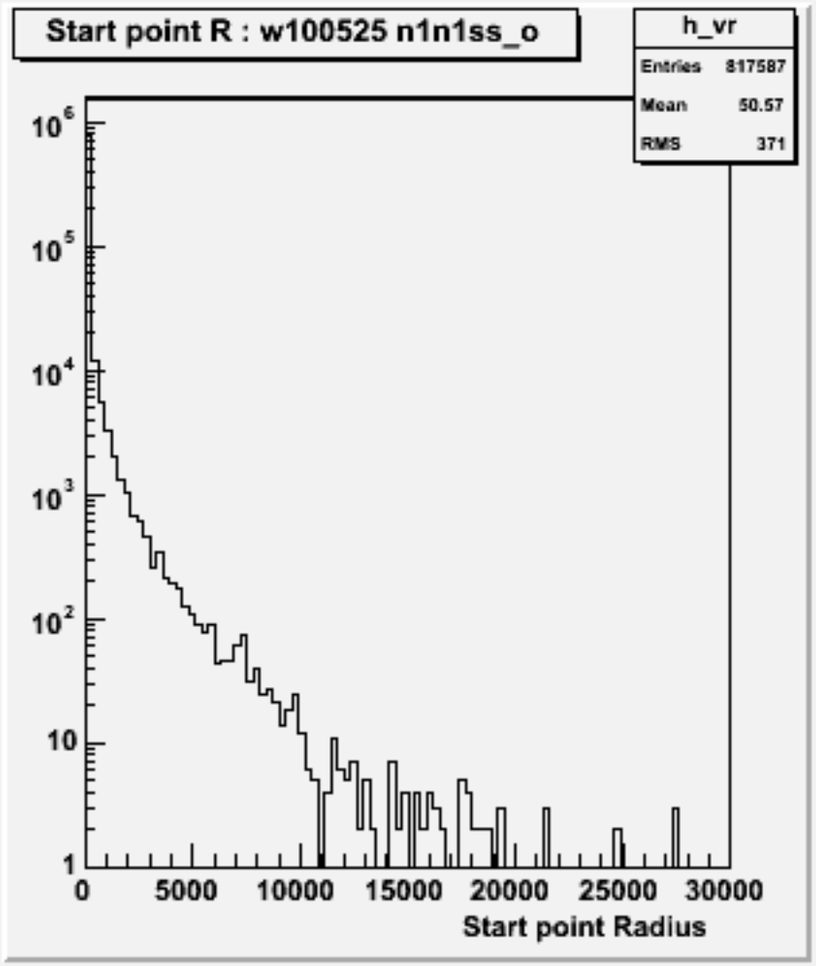

2jets mass(All comb)w100524 n1n1ss_o
ha_m01
Entries 601716
Mean 35.38
RMS 28.25
M(J_iJ_k) (GeV)

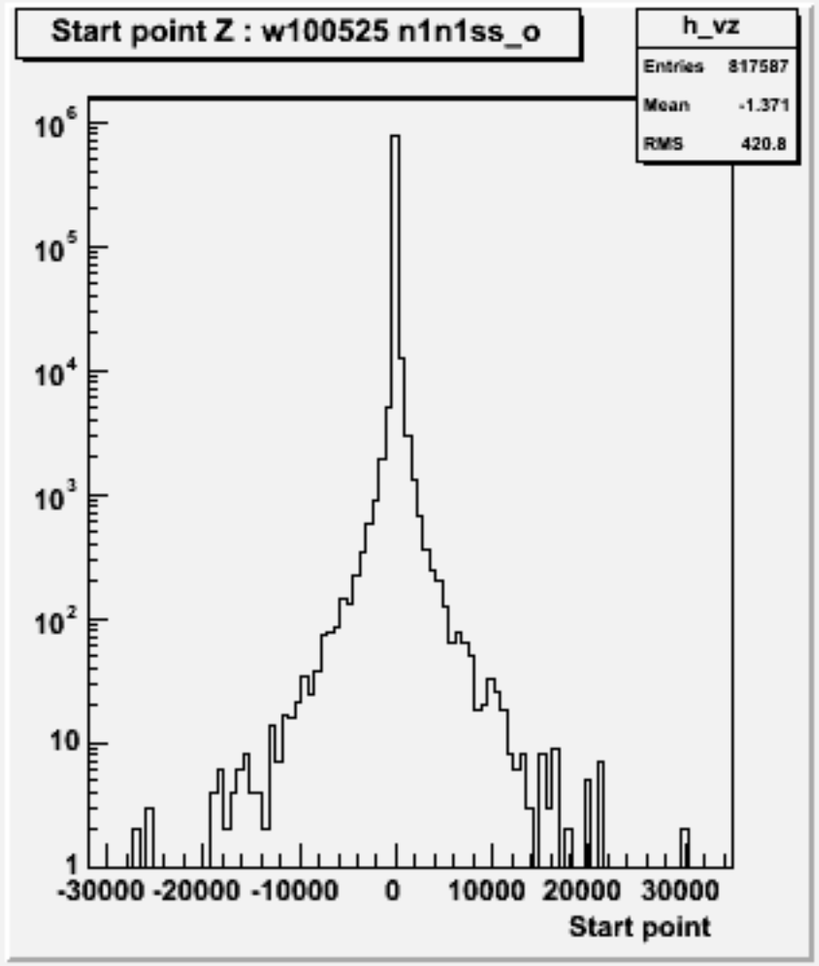

Particle ID : w100525 n1n1ss_o
h_id
Entries 817587
Mean 13.62
RMS 535.3
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

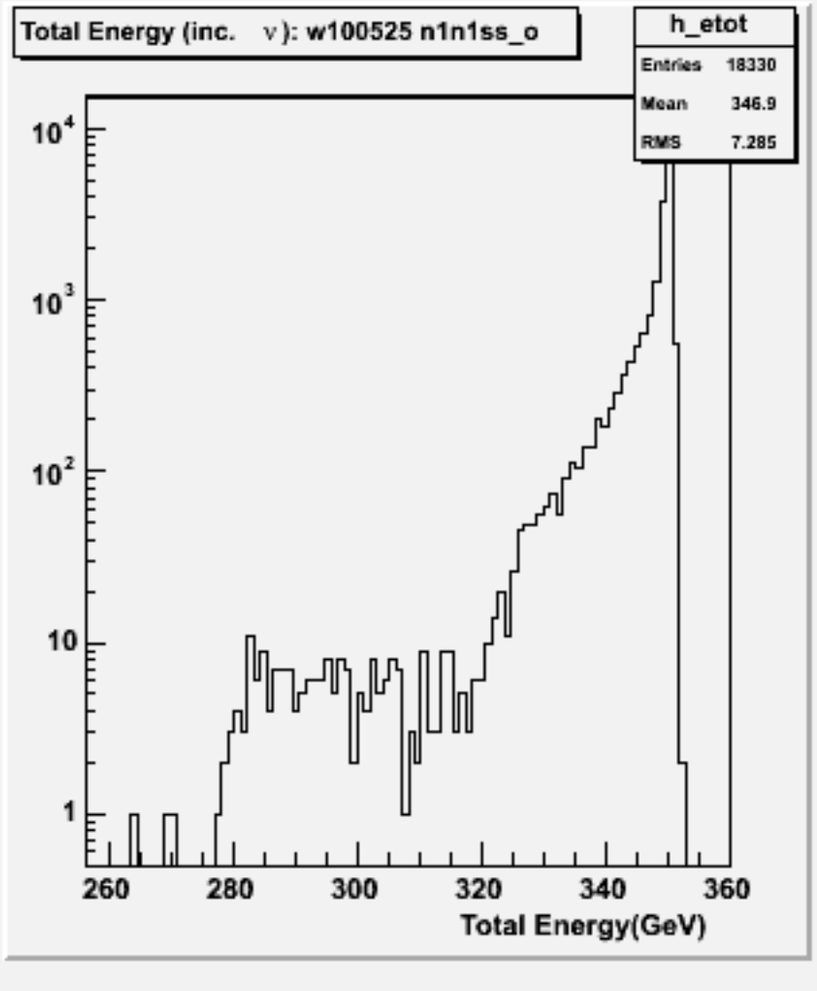

Particle Energy : w100525 n1n1ss_o
h_e
Entries 817587
Mean 7.778
RMS 20.71
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

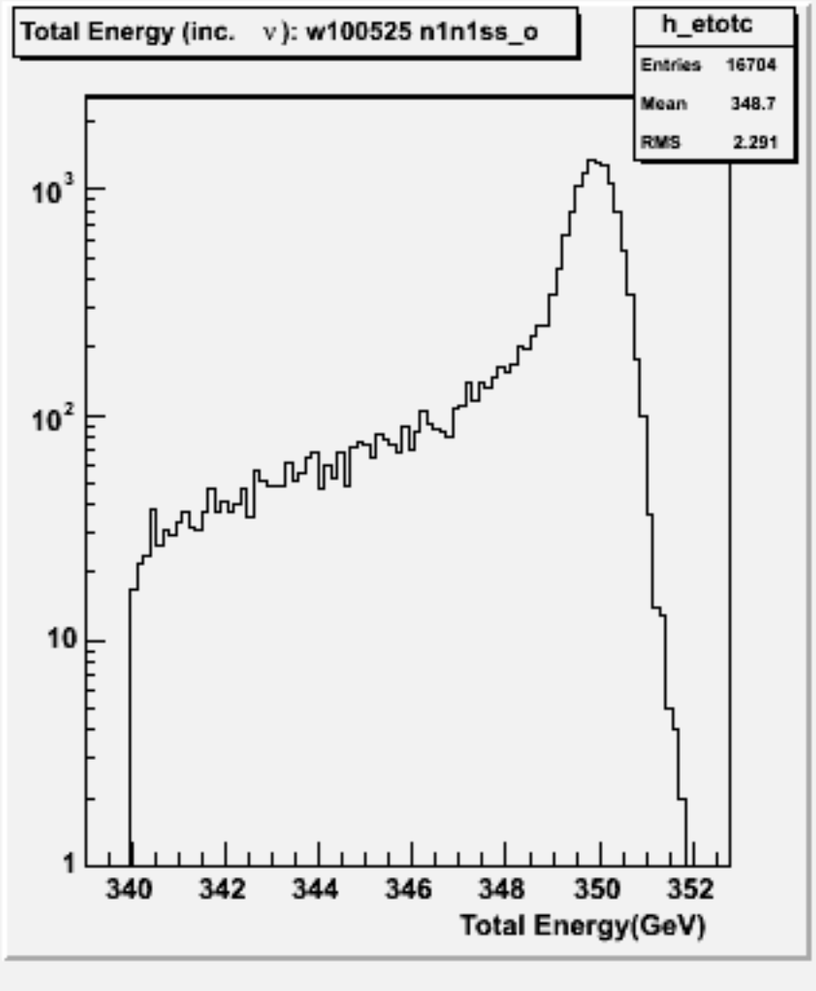

Particle Pt : w100525 n1n1ss_o
h_pt
Entries 817587
Mean 4.829
RMS 13.67
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

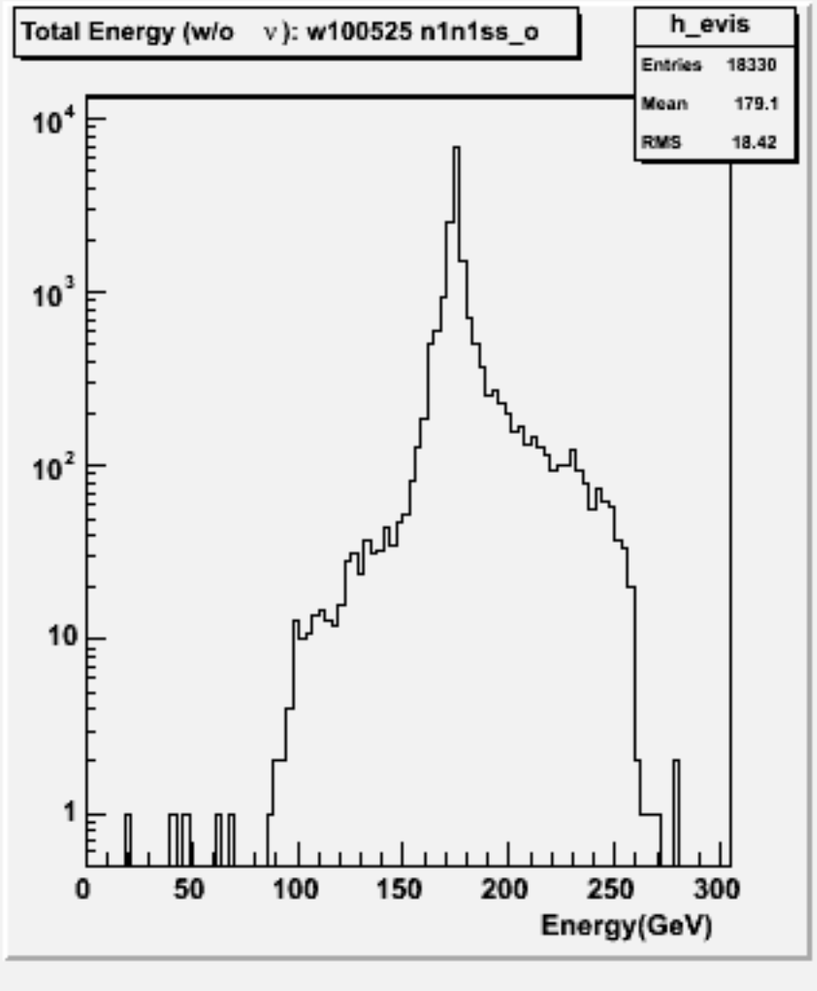

Particle cosθ : w100525 n1n1ss_o
h_cs
Entries 817587
Mean 0.002822
RMS 0.6889
10^4
-1
-0.5
0
0.5
1
cos θ

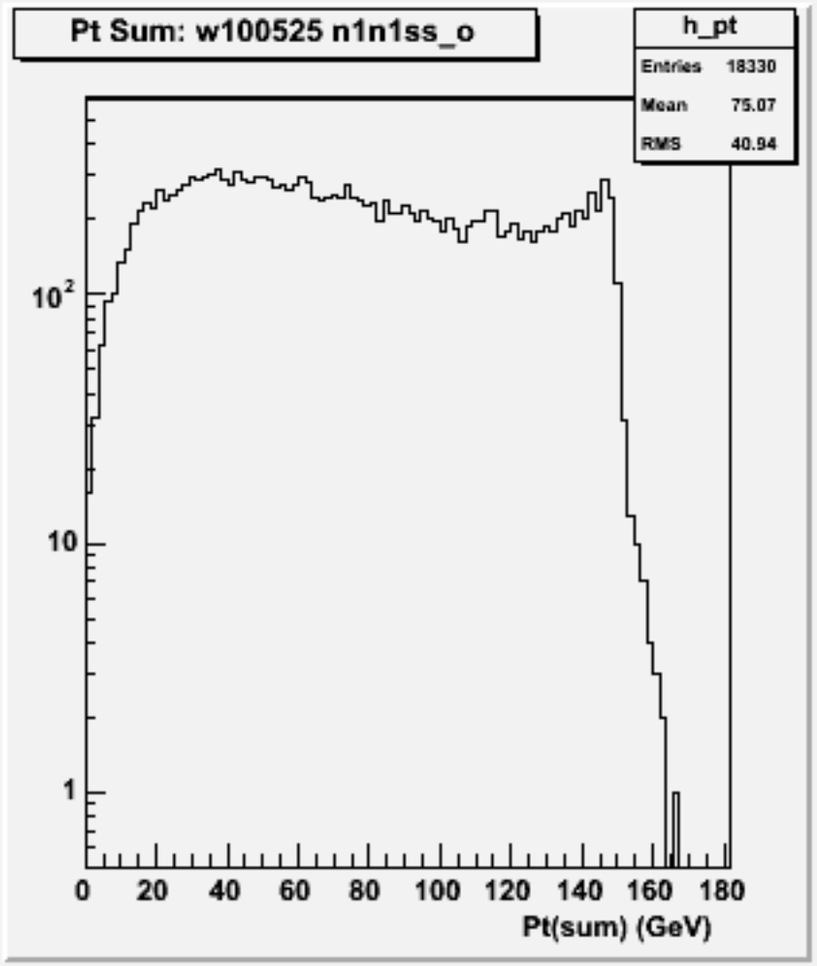

Start point R : w100525 n1n1ss_o
h_vr
Entries 817587
Mean 50.57
RMS 371
10^6
10^5
10^4
10^3
10^2
10
1
0 5000 10000 15000 20000 25000 30000
Start point Radius

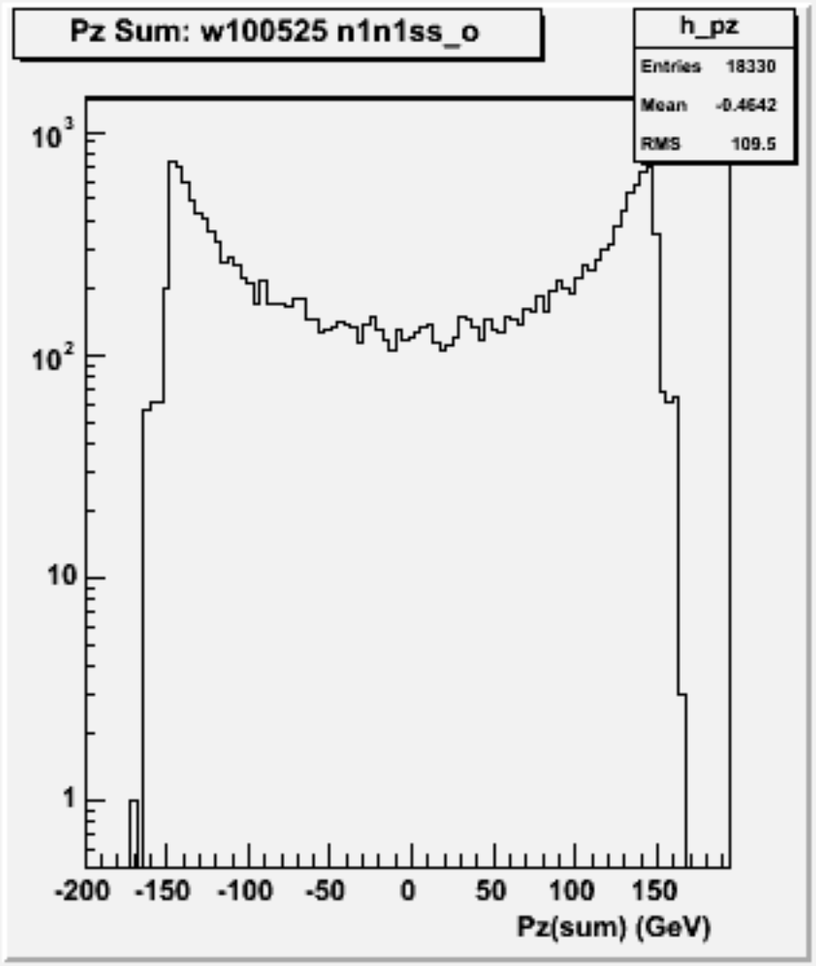

Start point Z : w100525 n1n1ss_o
h_vz
Entries 817587
Mean -1.371
RMS 420.8
10^6
10^5
10^4
10^3
10^2
10
1
-30000 -20000 -10000 0 10000 20000 30000
Start point

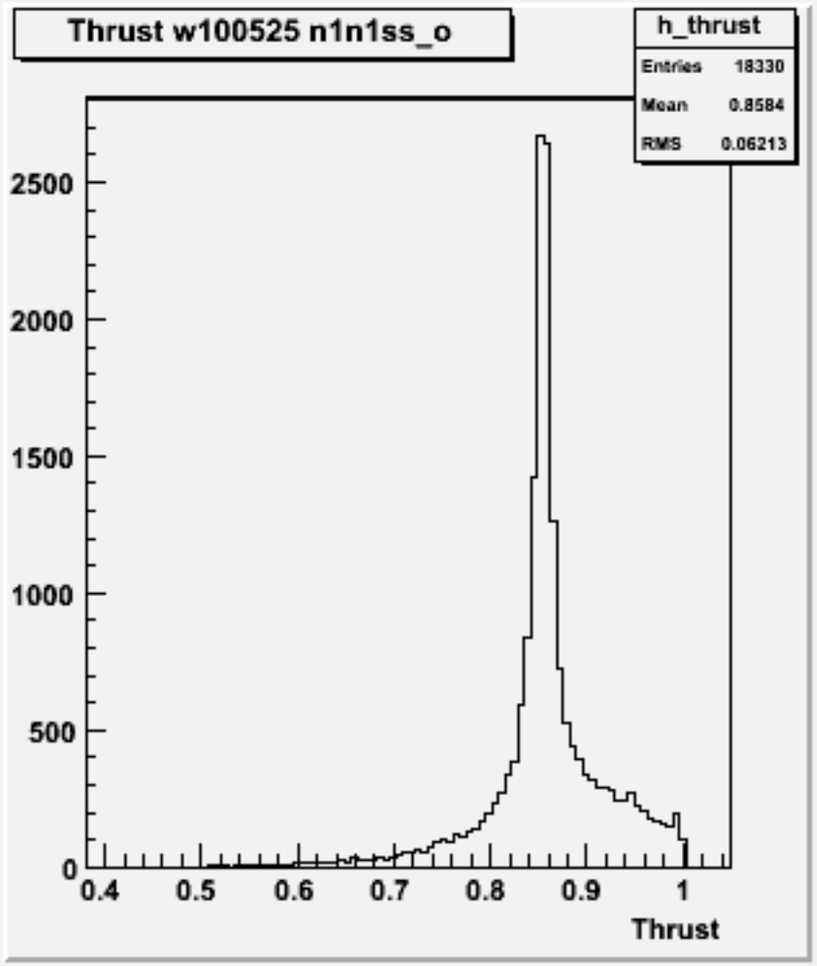

Total Energy (inc. ν): w100525 n1n1ss_o
h_etot
Entries 18330
Mean 346.9
RMS 7.285
Total Energy(GeV)

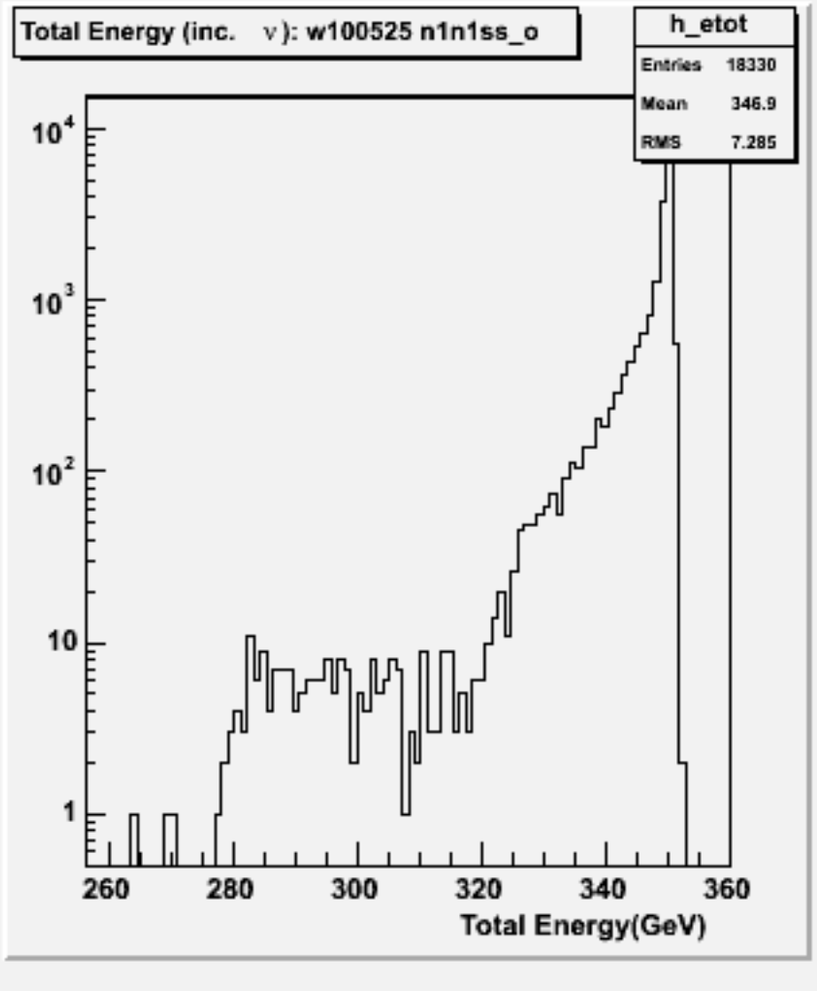

Total Energy (inc. ν): w100525 n1n1ss_o
h_etotc
Entries 16704
Mean 348.7
RMS 2.291
Total Energy(GeV)

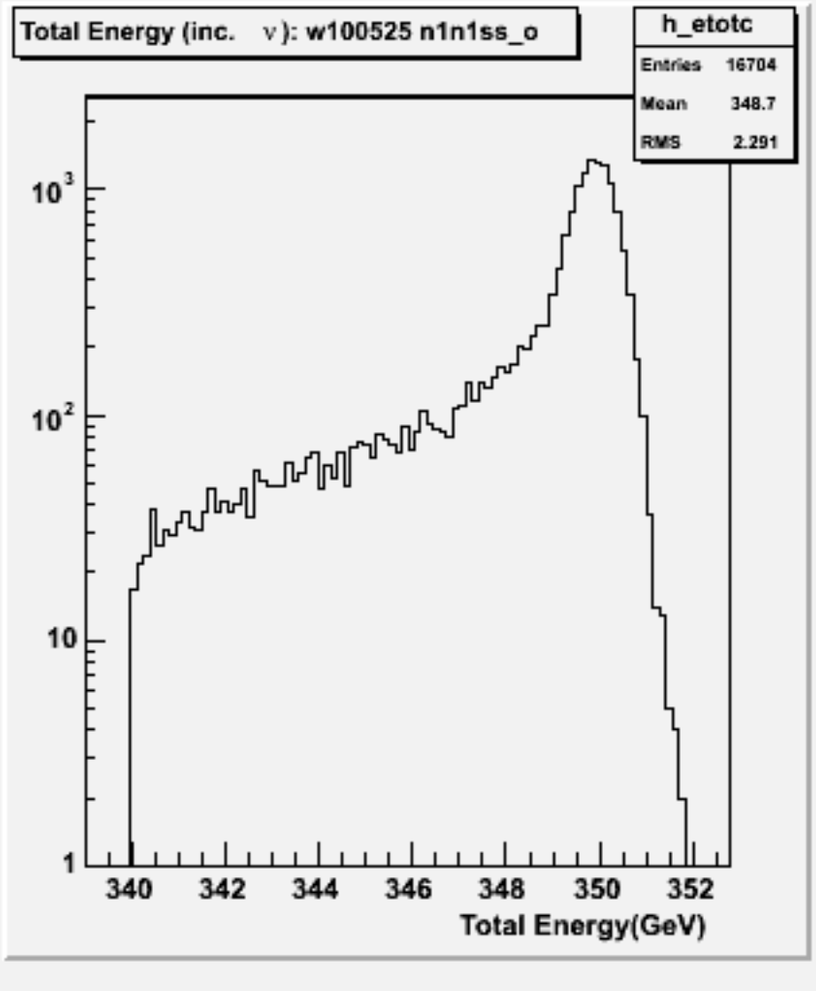

Total Energy (w/o ν): w100525 n1n1ss_o
h_evis
Entries 18330
Mean 179.1
RMS 18.42
Energy(GeV)

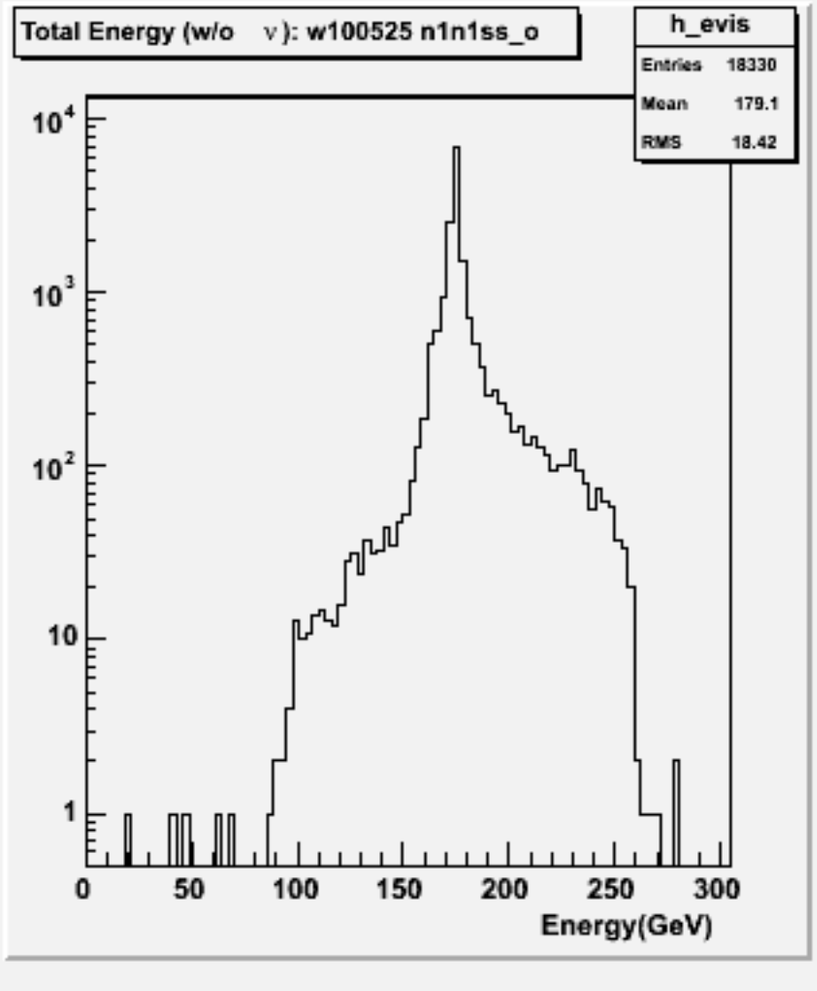

Pt Sum: w100525 n1n1ss_o
h_pt
Entries 18330
Mean 75.07
RMS 40.94
Pt(sum) (GeV)

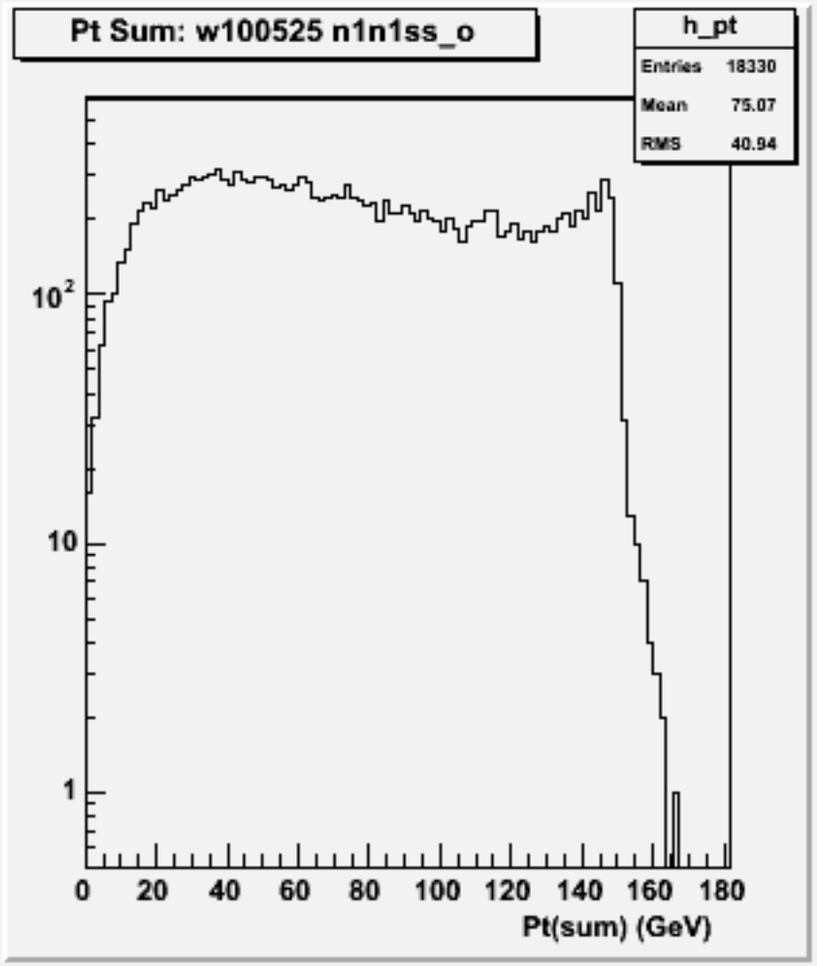

Pz Sum: w100525 n1n1ss_o
h_pz
Entries 18330
Mean -0.4642
RMS 109.5
Pz(sum) (GeV)

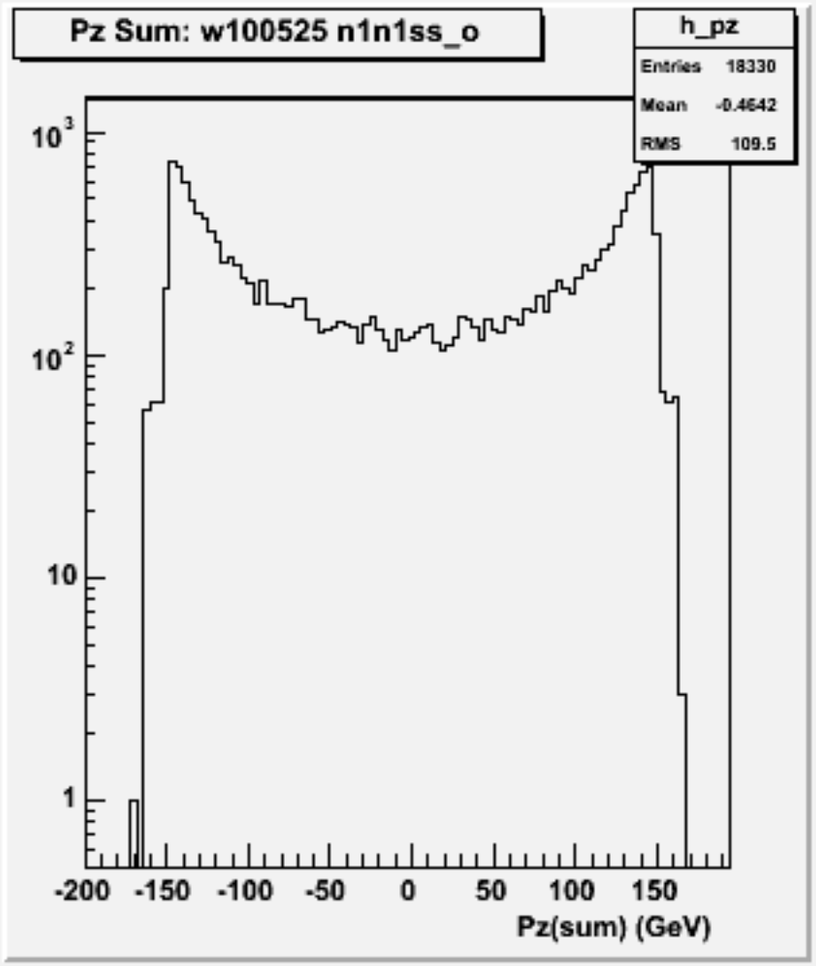

Thrust w100525 n1n1ss_o
h_thrust
Entries 18330
Mean 0.8584
RMS 0.06213
Thrust

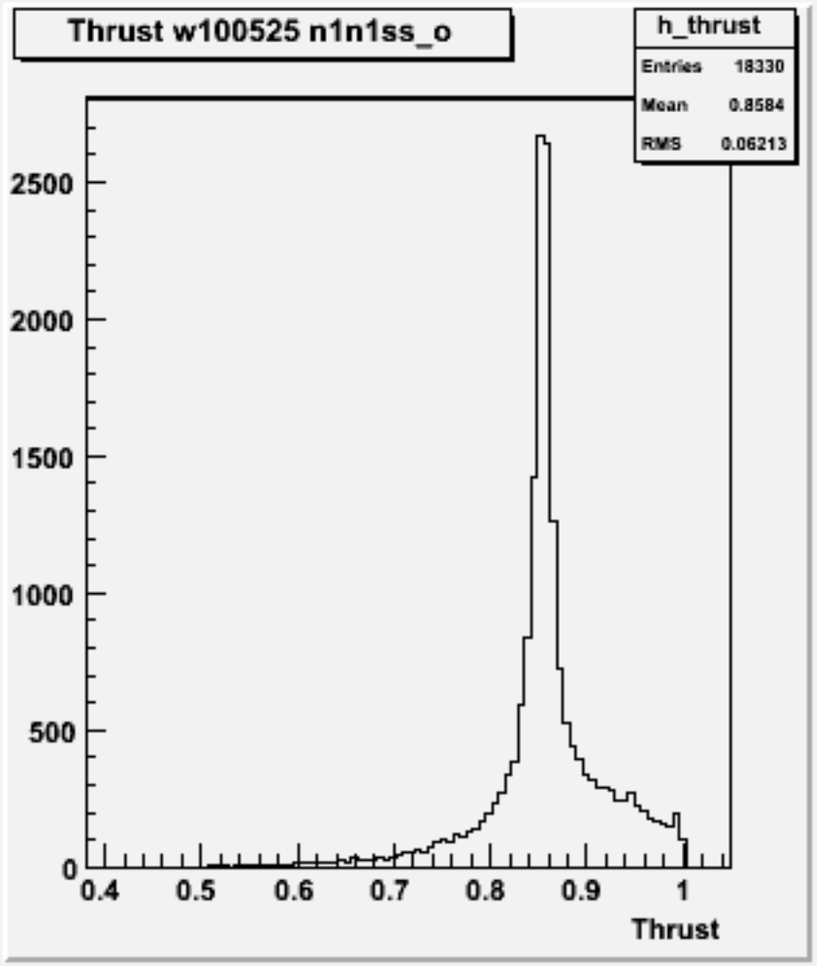

Total Energy (inc. ν): w100525 n1n1ss_o
h_etot
Entries 18330
Mean 346.9
RMS 7.285
Total Energy(GeV)

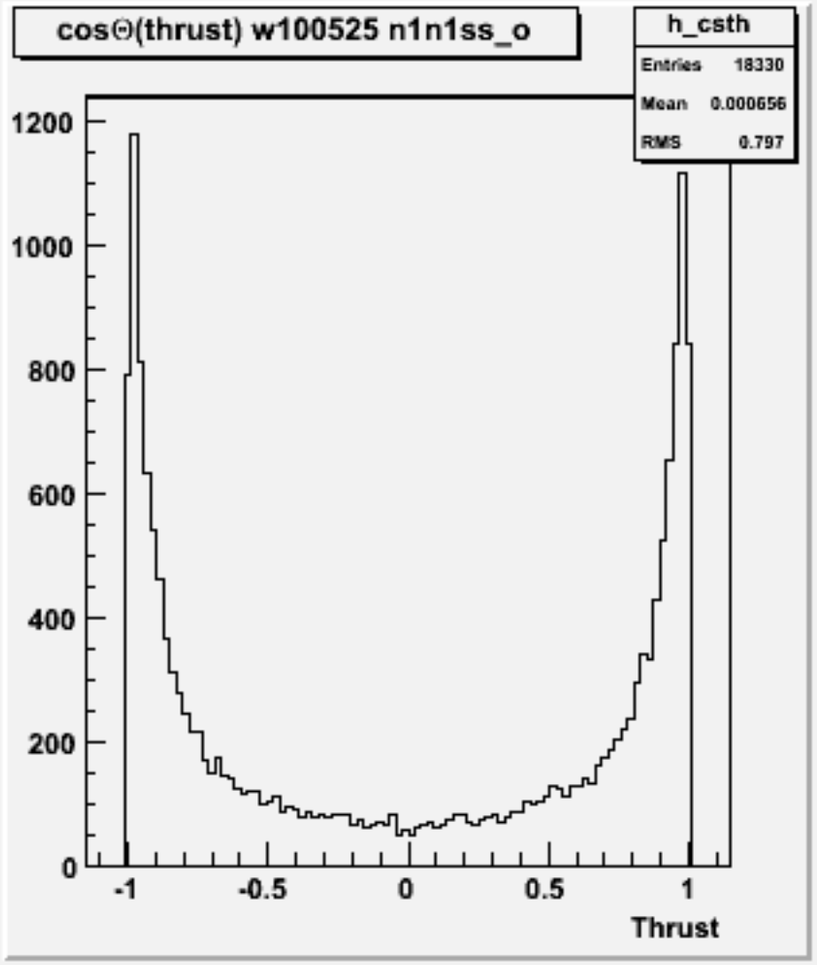

Total Energy (inc. ν): w100525 n1n1ss_o
h_etotc
Entries 16704
Mean 348.7
RMS 2.291
Total Energy(GeV)

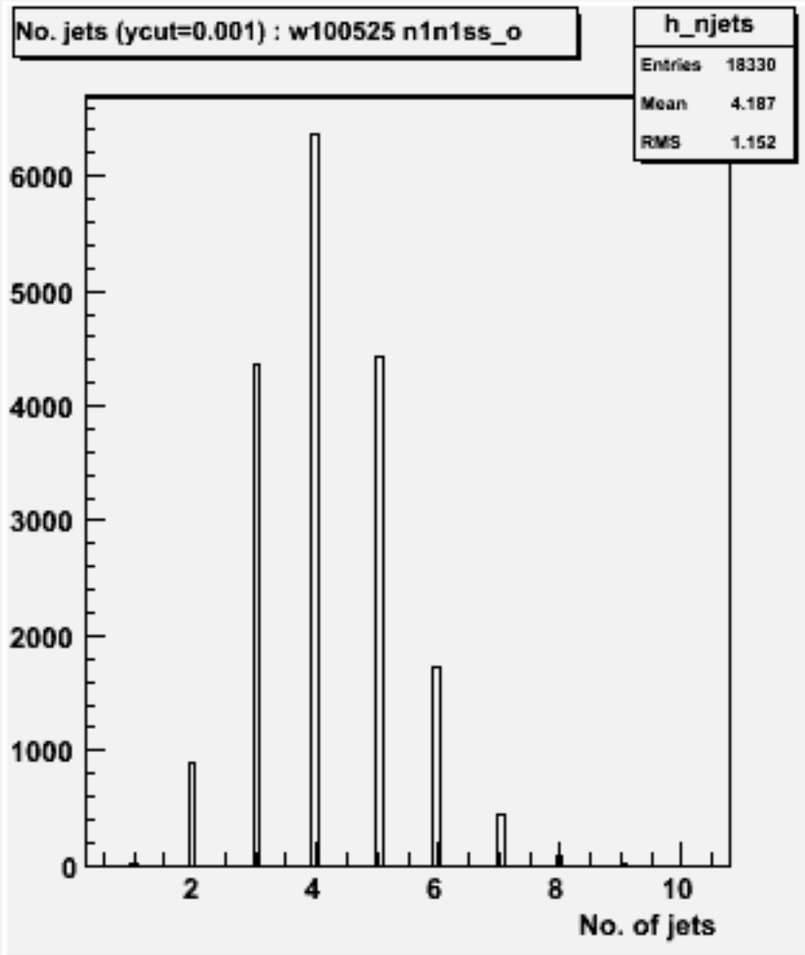

Total Energy (w/o ν): w100525 n1n1ss_o
h_evis
Entries 18330
Mean 179.1
RMS 18.42
Energy(GeV)

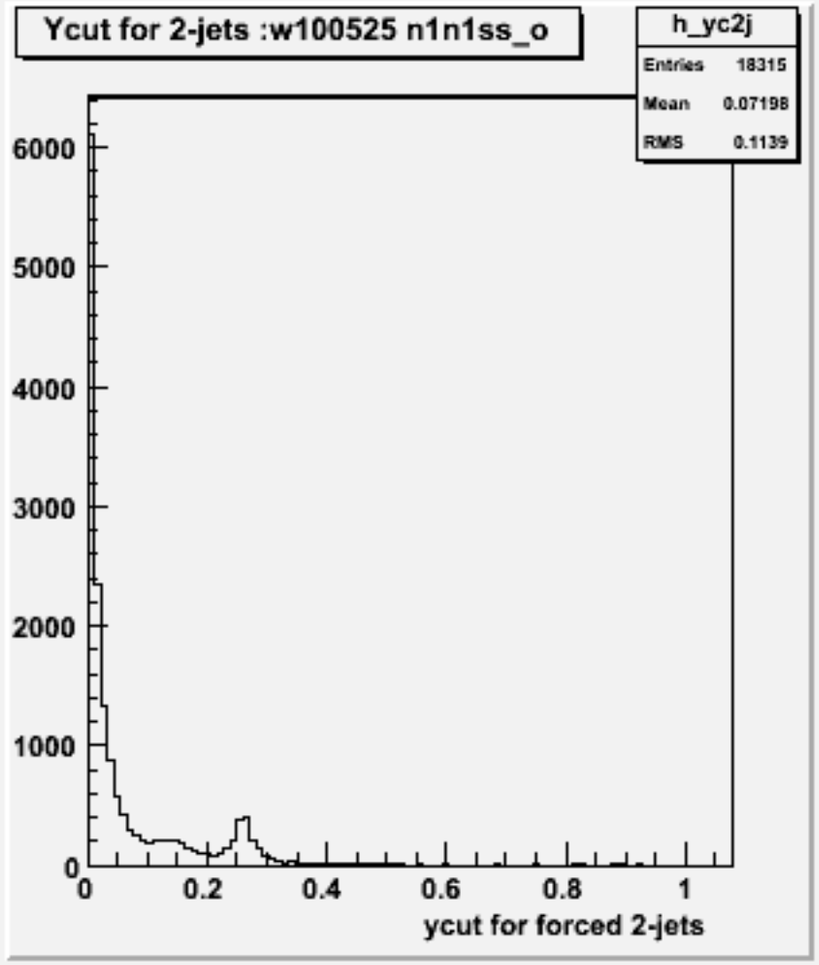

Pt Sum: w100525 n1n1ss_o
h_pt
Entries 18330
Mean 75.07
RMS 40.94
Pt(sum) (GeV)

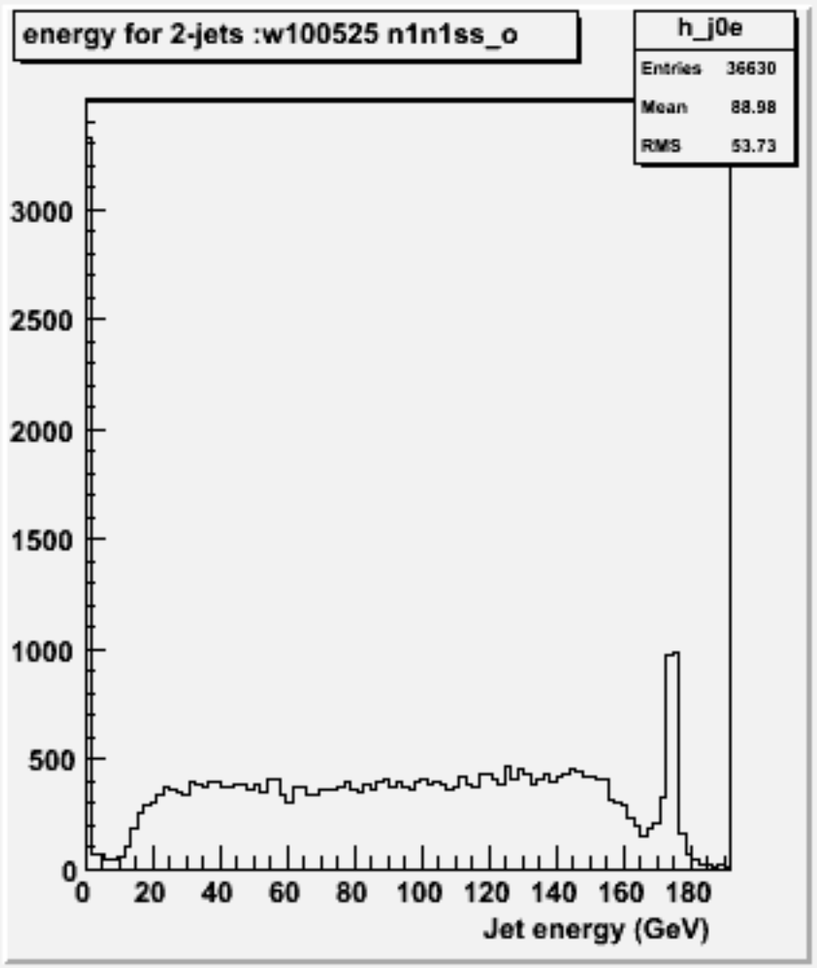

Pz Sum: w100525 n1n1ss_o
h_pz
Entries 18330
Mean -0.4642
RMS 109.5
Pz(sum) (GeV)

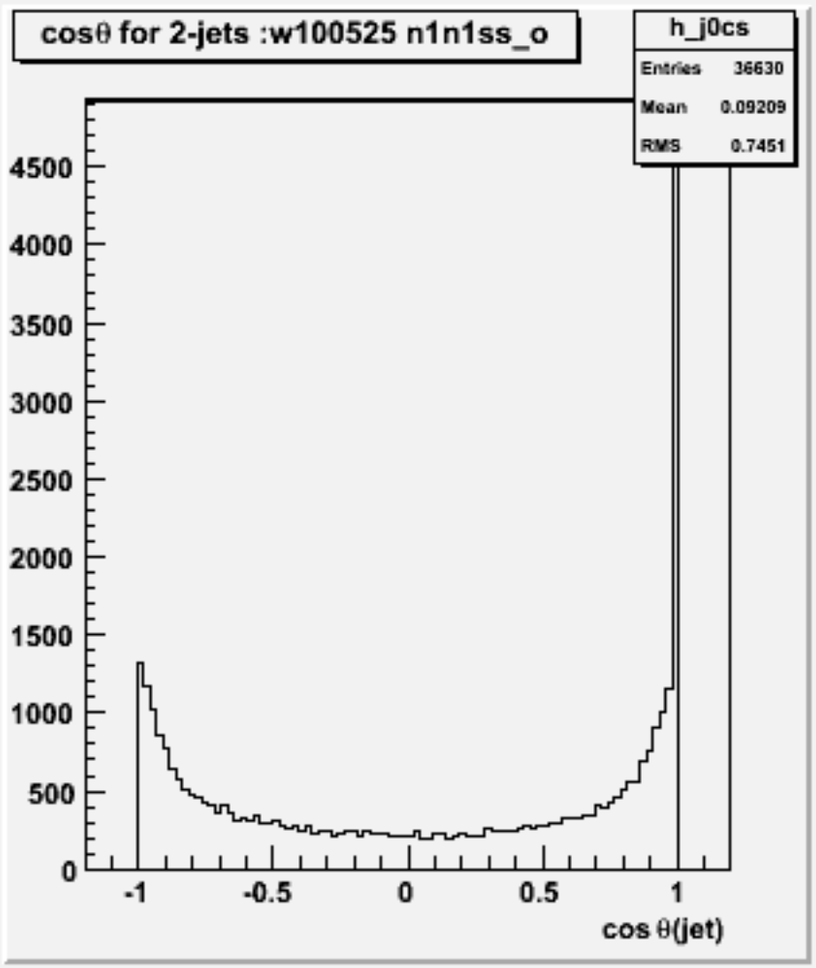

Thrust w100525 n1n1ss_o
h_thrust
Entries 18330
Mean 0.8584
RMS 0.06213
Thrust

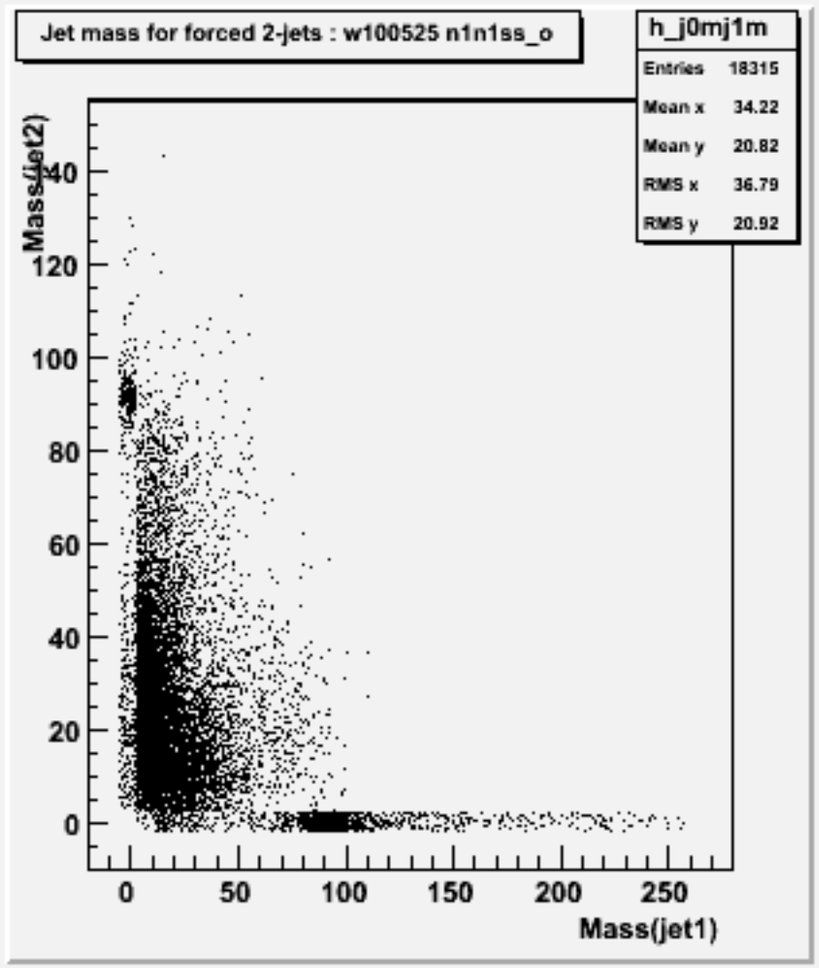

cosΘ(thrust) w100525 n1n1ss_o
h_csth
Entries 18330
Mean 0.000656
RMS 0.797
Thrust

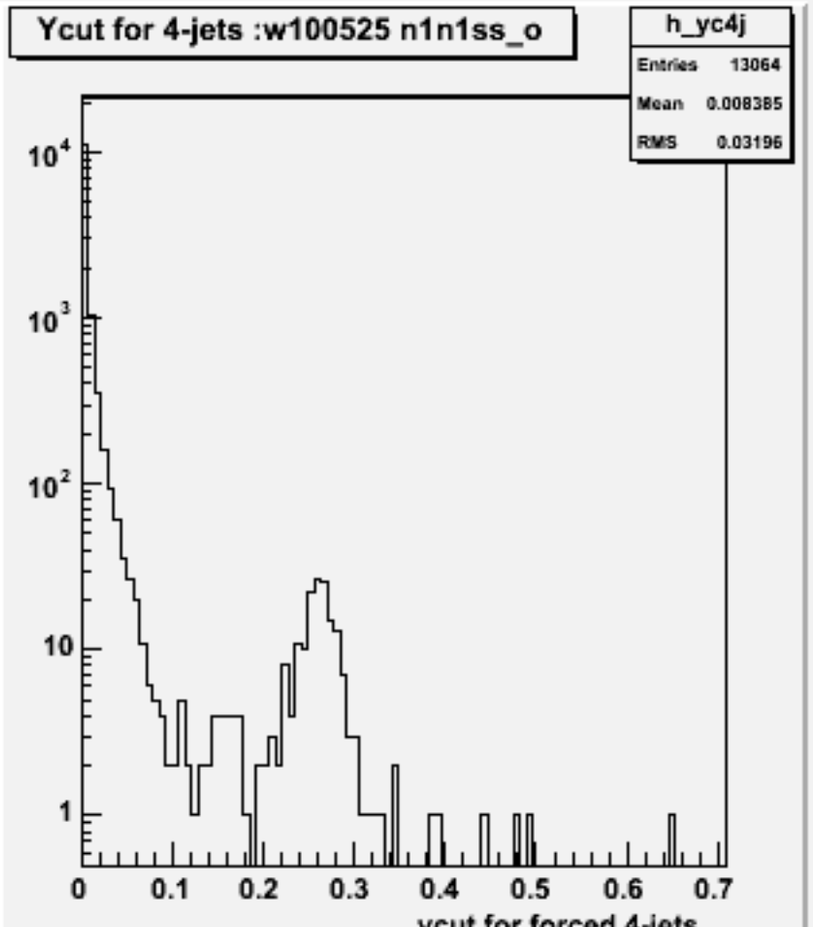

No. jets (ycut=0.001) : w100525 n1n1ss_o
h_njets
Entries 18330
Mean 4.187
RMS 1.152
No. of jets

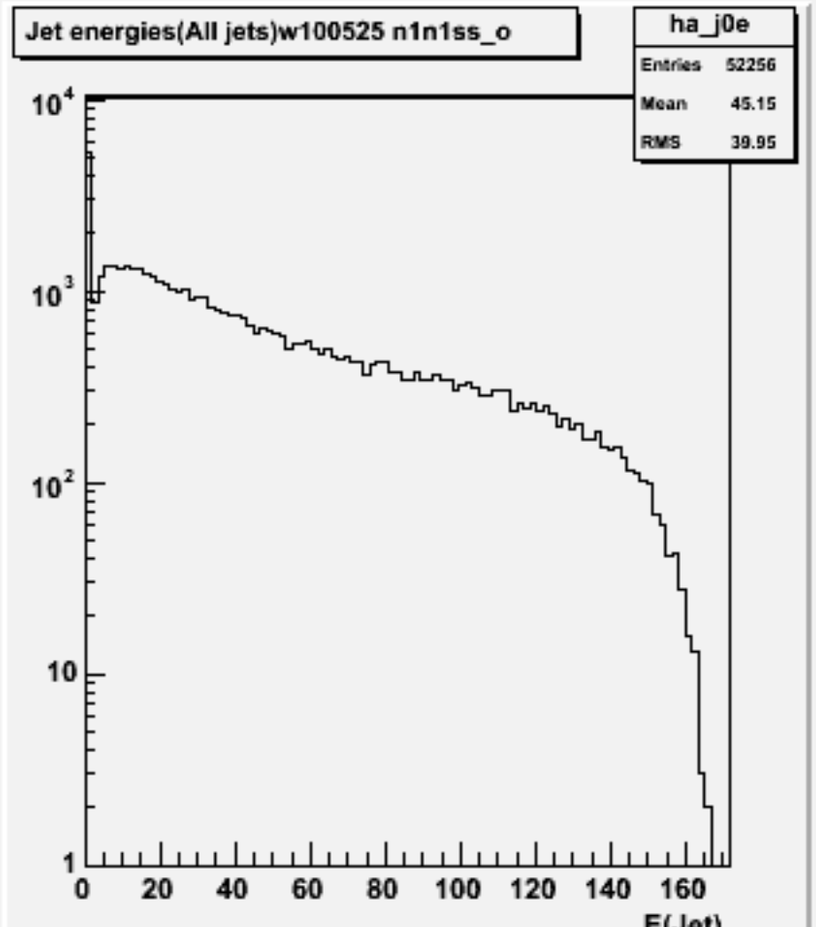

Ycut for 2-jets :w100525 n1n1ss_o
h_yc2j
Entries 18315
Mean 0.07198
RMS 0.1139
ycut for forced 2-jets

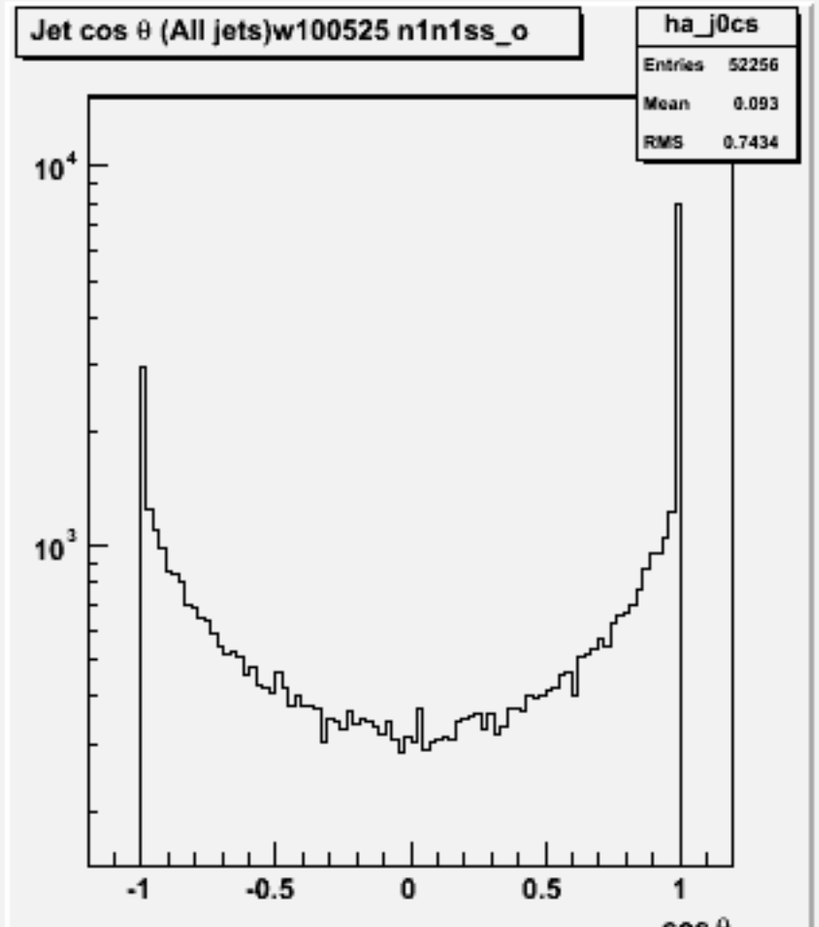

energy for 2-jets :w100525 n1n1ss_o
h_j0e
Entries 36630
Mean 88.98
RMS 53.73
Jet energy (GeV)

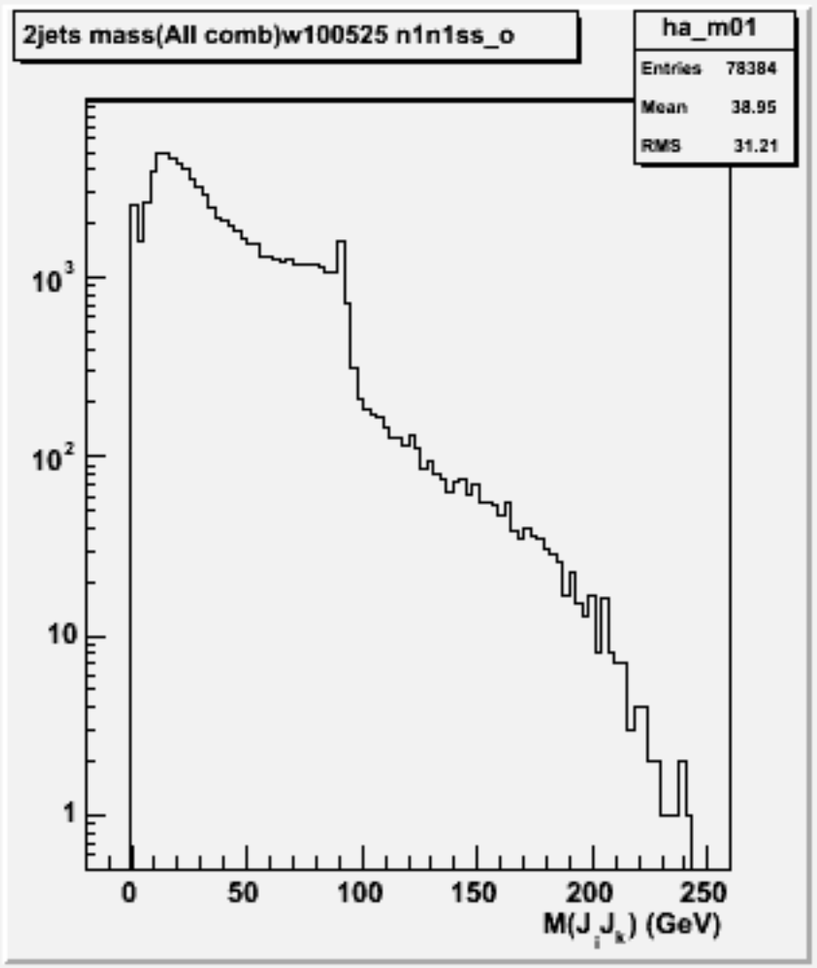

cosθ for 2-jets :w100525 n1n1ss_o
h_j0cs
Entries 36630
Mean 0.09209
RMS 0.7451
cos θ(jet)

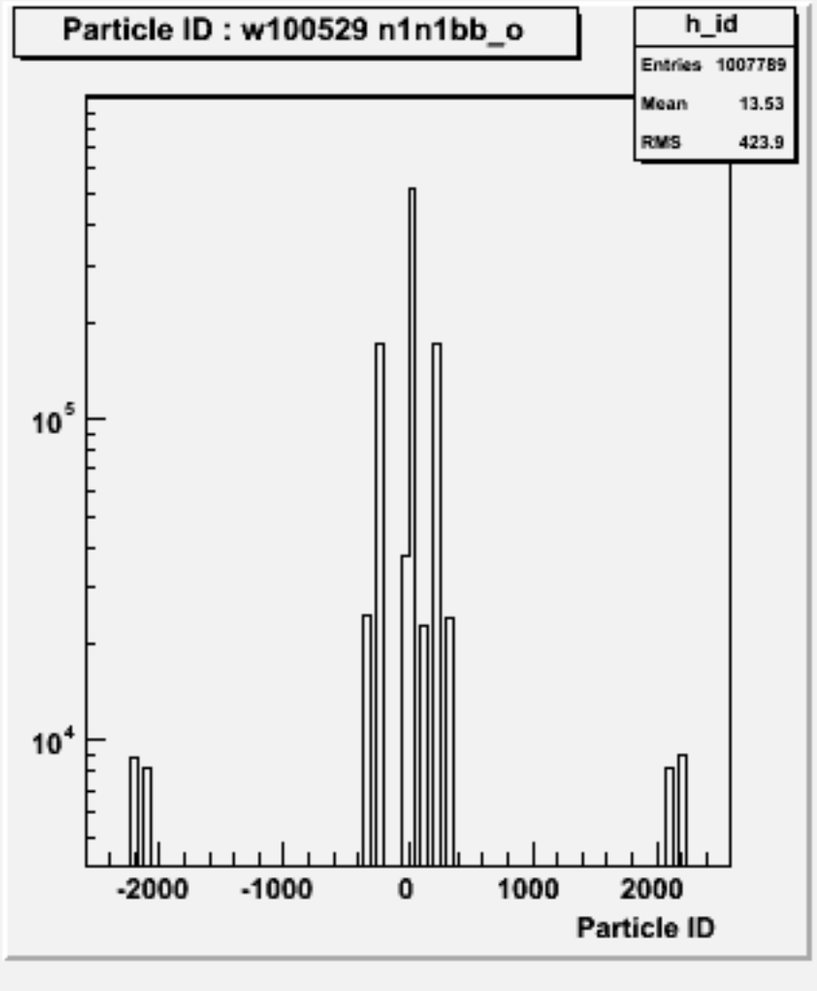

Jet mass for forced 2-jets : w100525 n1n1ss_o
h_j0mj1m
Entries 18315
Mean x 34.22
Mean y 20.82
RMS x 36.79
RMS y 20.92
Mass(jet2)
Mass(jet1)

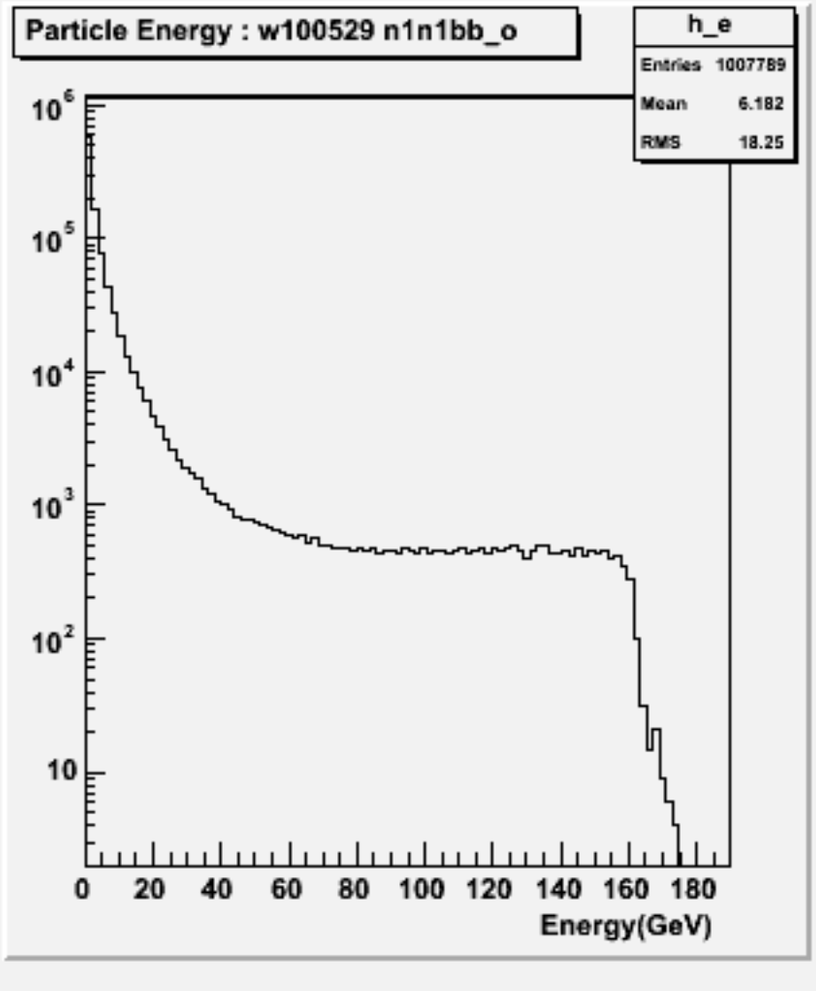

Ycut for 4-jets :w100525 n1n1ss_o
h_yc4j
Entries 13064
Mean 0.008385
RMS 0.03196
ycut for forced 4-jets

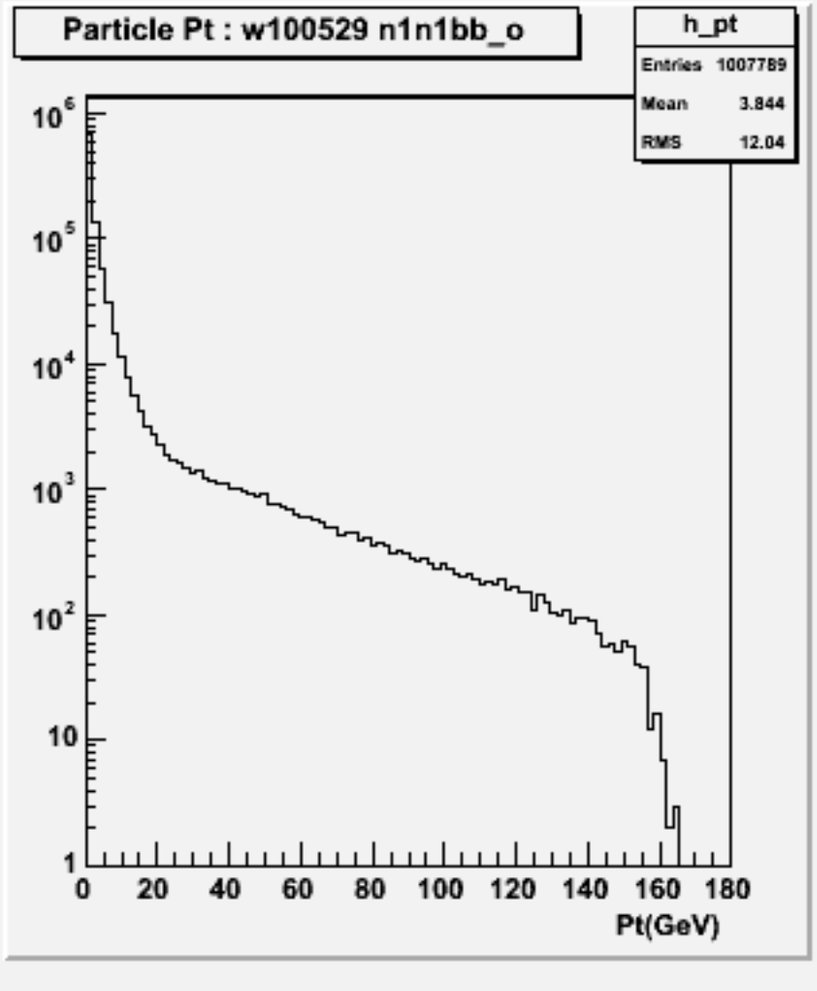

Jet energies(All jets)w100525 n1n1ss_o
ha_j0e
Entries 52256
Mean 45.15
RMS 39.95
E(Jet)

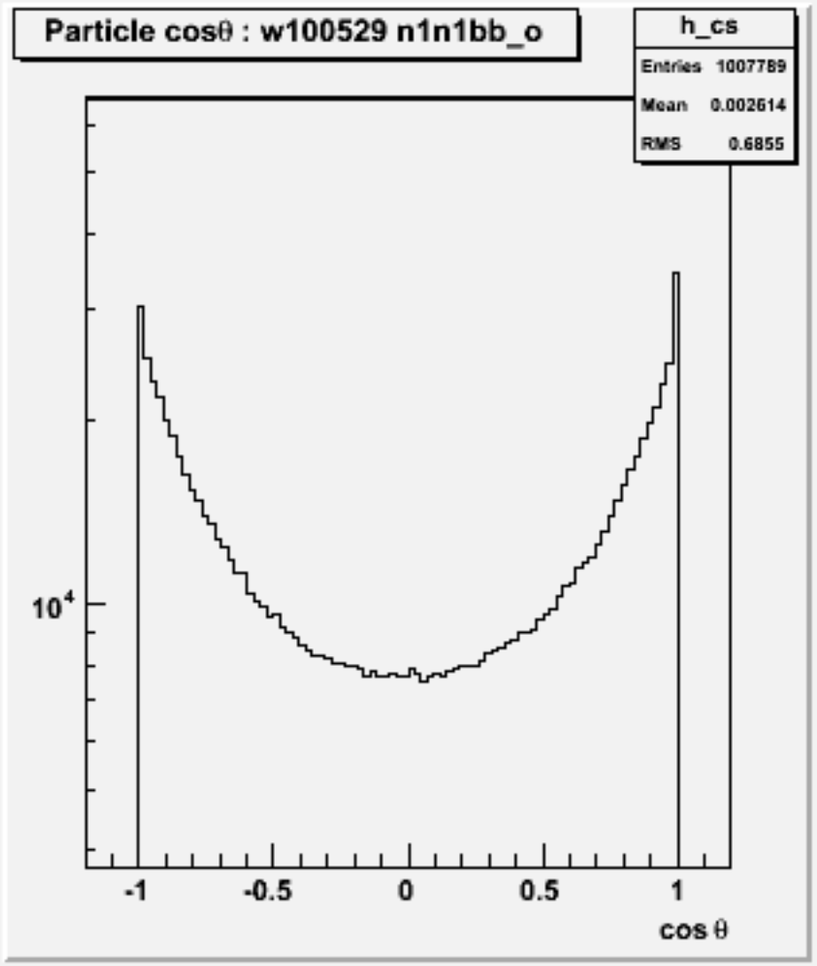

Jet cos θ (All jets)w100525 n1n1ss_o
ha_j0cs
Entries 52256
Mean 0.093
RMS 0.7434
cos θ

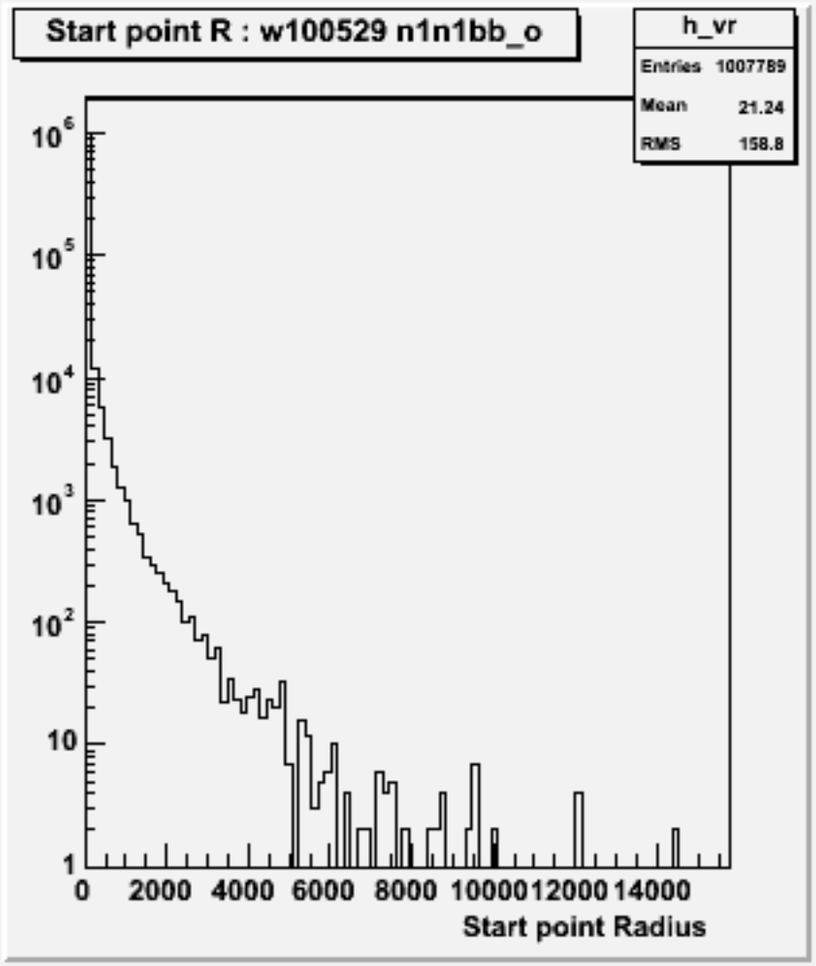

2jets mass(All comb)w100525 n1n1ss_o
ha_m01
Entries 78384
Mean 38.95
RMS 31.21
M(J_iJ_k) (GeV)

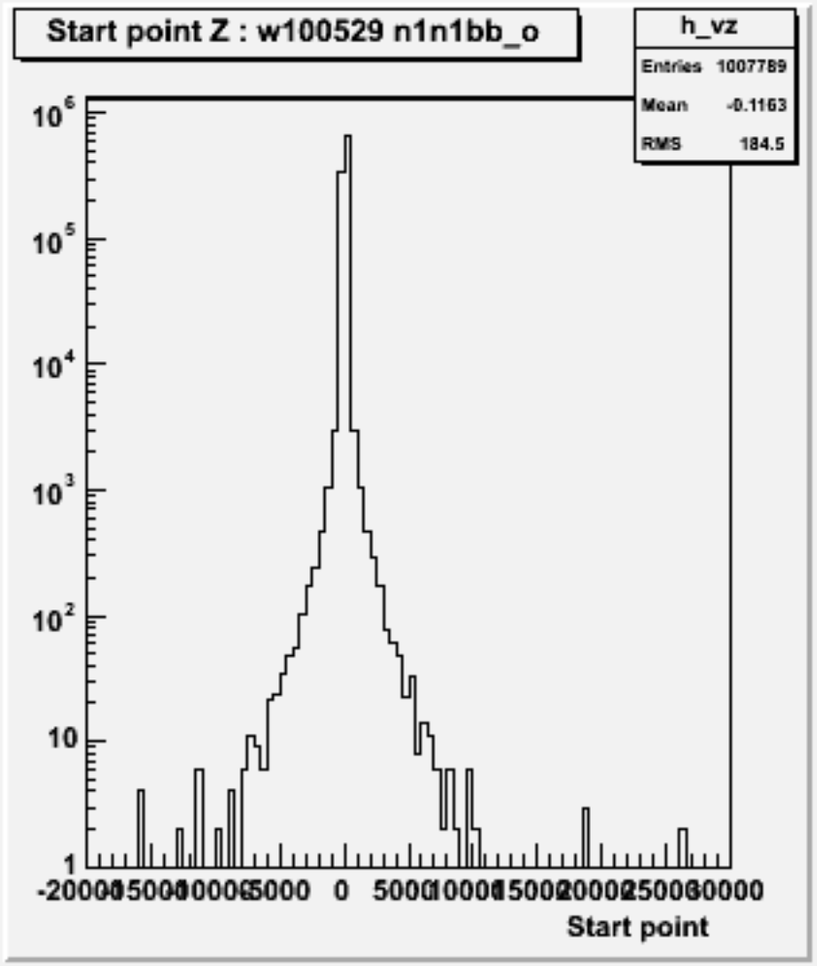

Particle ID : w100529 n1n1bb_o
h_id
Entries 1007789
Mean 13.53
RMS 423.9
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

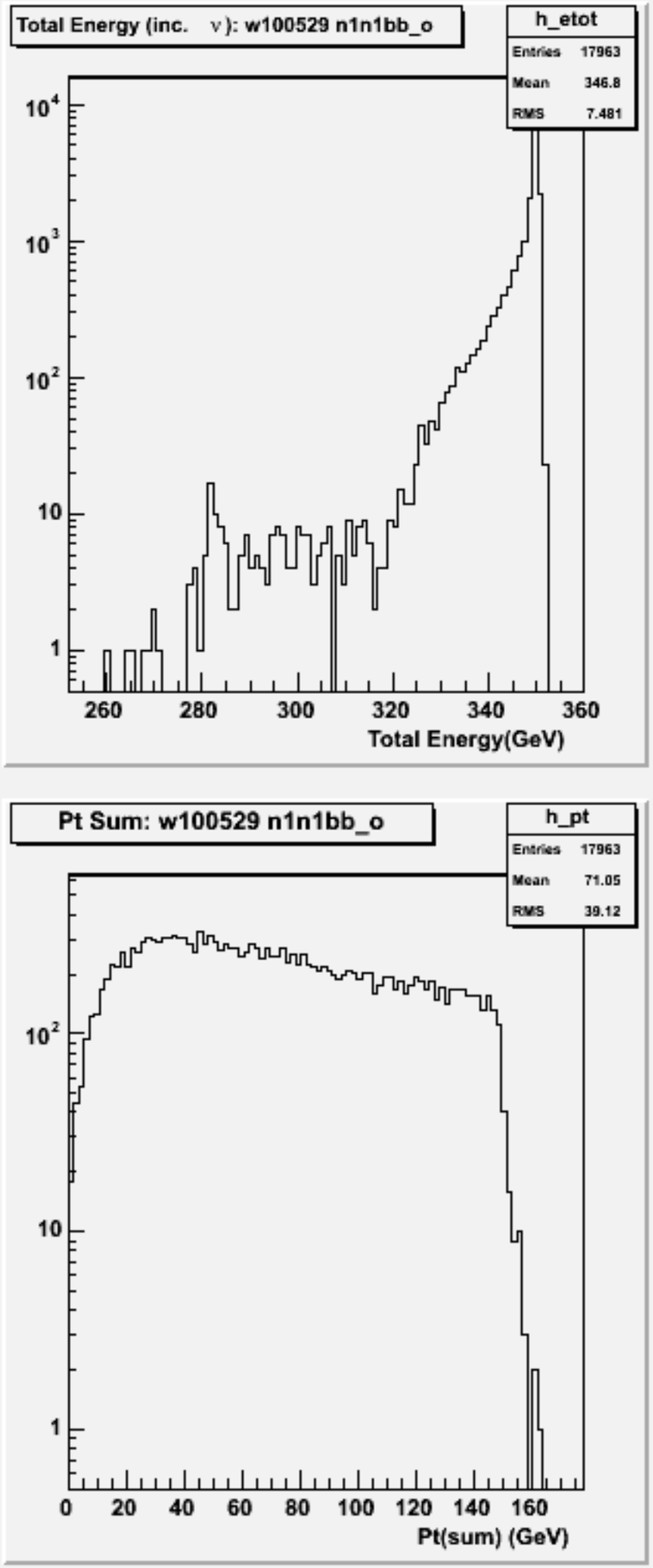

Particle Energy : w100529 n1n1bb_o
h_e
Entries 1007789
Mean 6.182
RMS 18.25
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

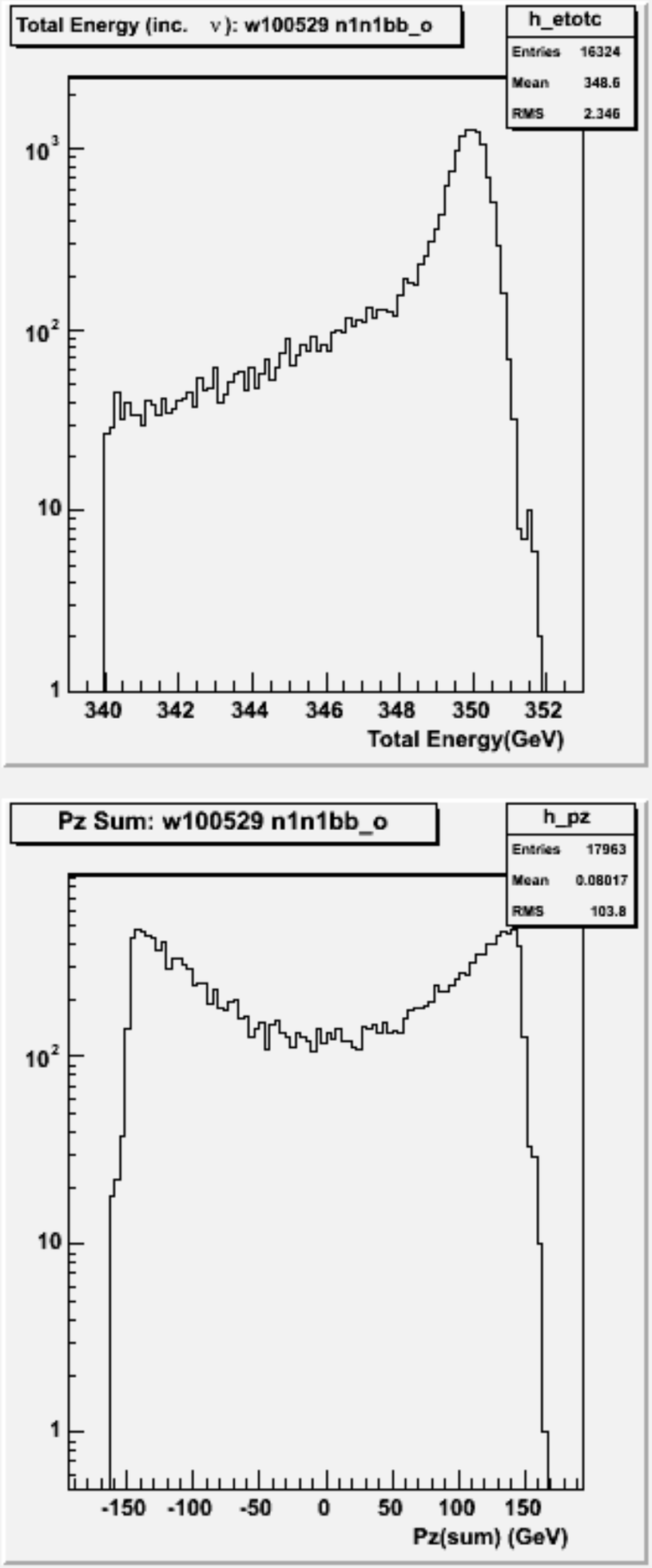

Particle Pt : w100529 n1n1bb_o
h_pt
Entries 1007789
Mean 3.844
RMS 12.04
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

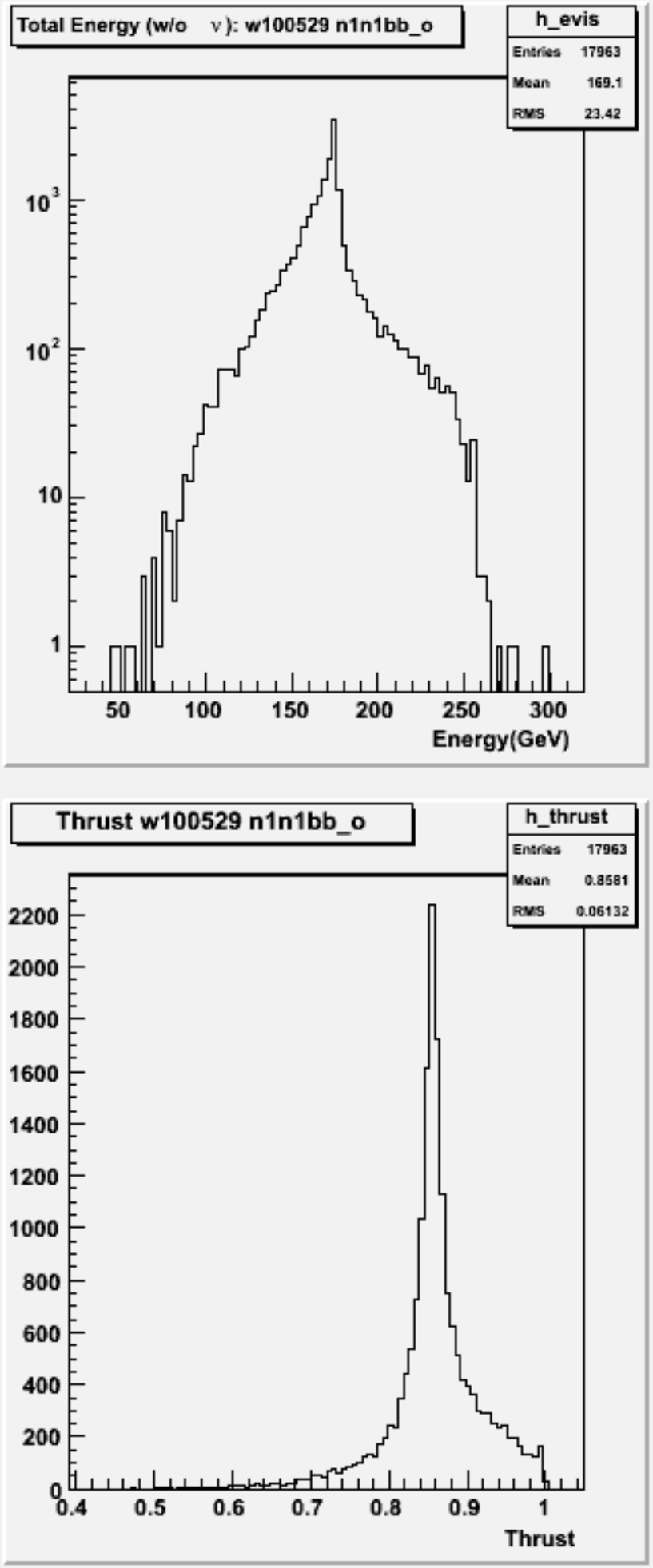

Particle cosθ : w100529 n1n1bb_o
h_cs
Entries 1007789
Mean 0.002614
RMS 0.6855
10^4
-1
-0.5
0
0.5
1
cos θ


Start point R : w100529 n1n1bb_o
h_vr
Entries 1007789
Mean 21.24
RMS 158.8
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
Start point Radius


Start point Z : w100529 n1n1bb_o
h_vz
Entries 1007789
Mean -0.1163
RMS 184.5
10^6
10^5
10^4
10^3
10^2
10
1
Start point


Total Energy (inc. ν): w100529 n1n1bb_o
h_etot
Entries 17963
Mean 346.8
RMS 7.481
Total Energy(GeV)

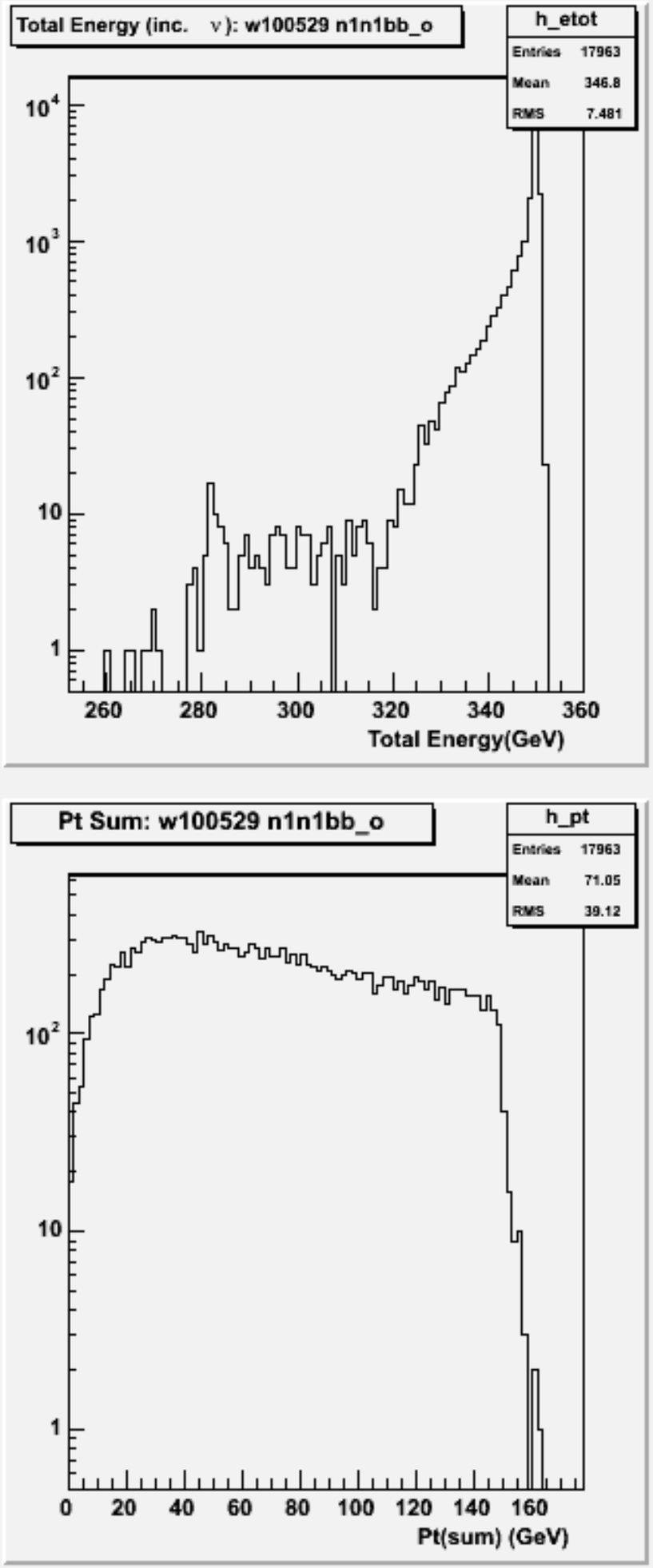

Total Energy (inc. ν): w100529 n1n1bb_o
h_etotc
Entries 16324
Mean 348.6
RMS 2.346
Total Energy(GeV)

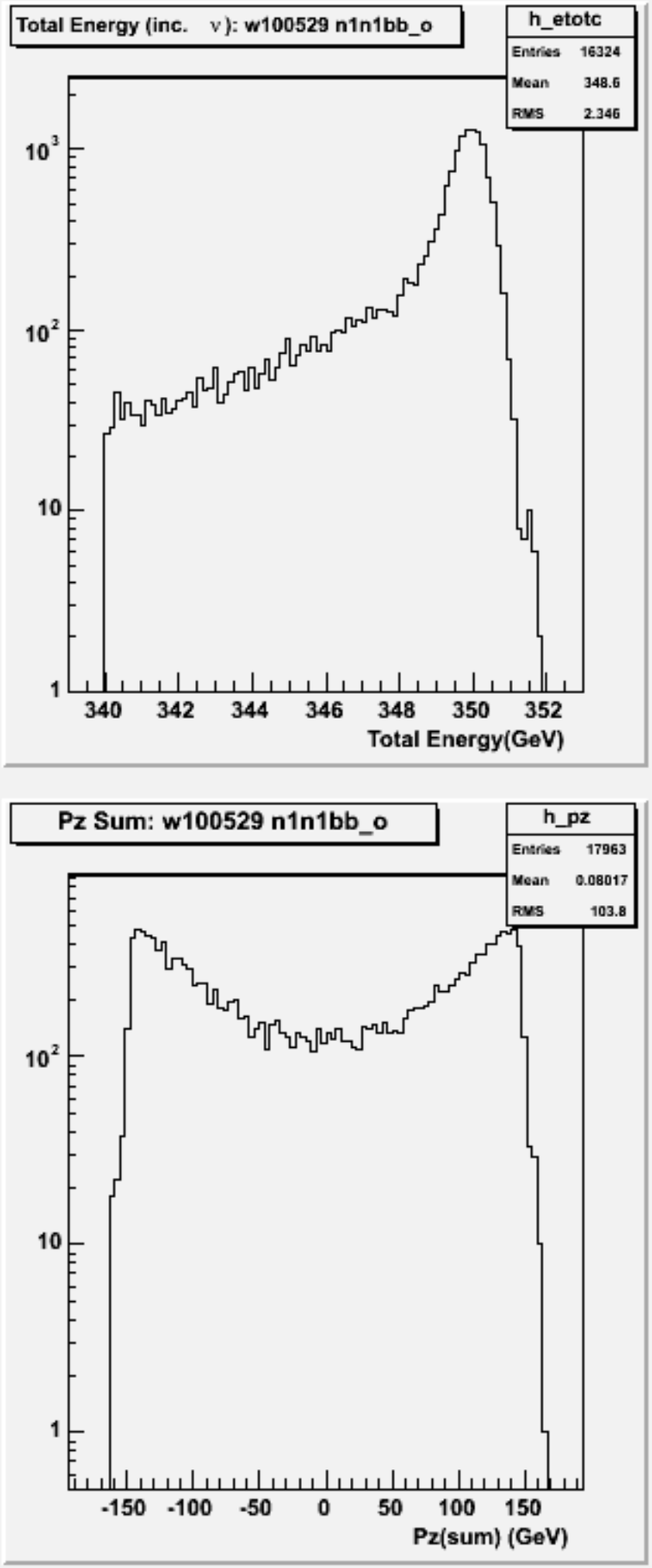

Total Energy (w/o ν): w100529 n1n1bb_o
h_evis
Entries 17963
Mean 169.1
RMS 23.42
Energy(GeV)

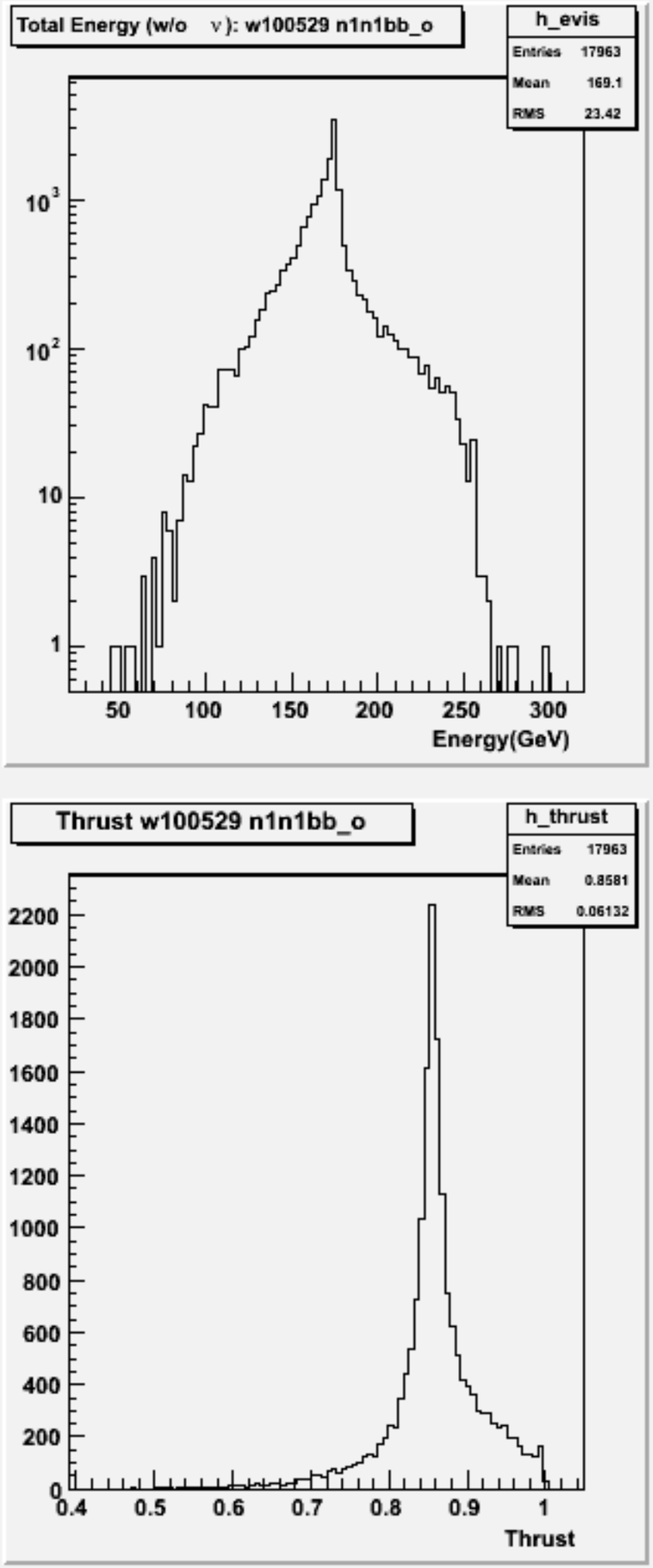
Pt Sum: w100529 n1n1bb_o
h_pt
Entries 17963
Mean 71.05
RMS 39.12
Pt(sum) (GeV)

Pz Sum: w100529 n1n1bb_o
h_pz
Entries 17963
Mean 0.08017
RMS 103.8
Pz(sum) (GeV)

Thrust w100529 n1n1bb_o
h_thrust
Entries 17963
Mean 0.8581
RMS 0.06132
Thrust


Total Energy (inc. ν): w100529 n1n1bb_o
h_etot
Entries 17963
Mean 346.8
RMS 7.481
Total Energy(GeV)

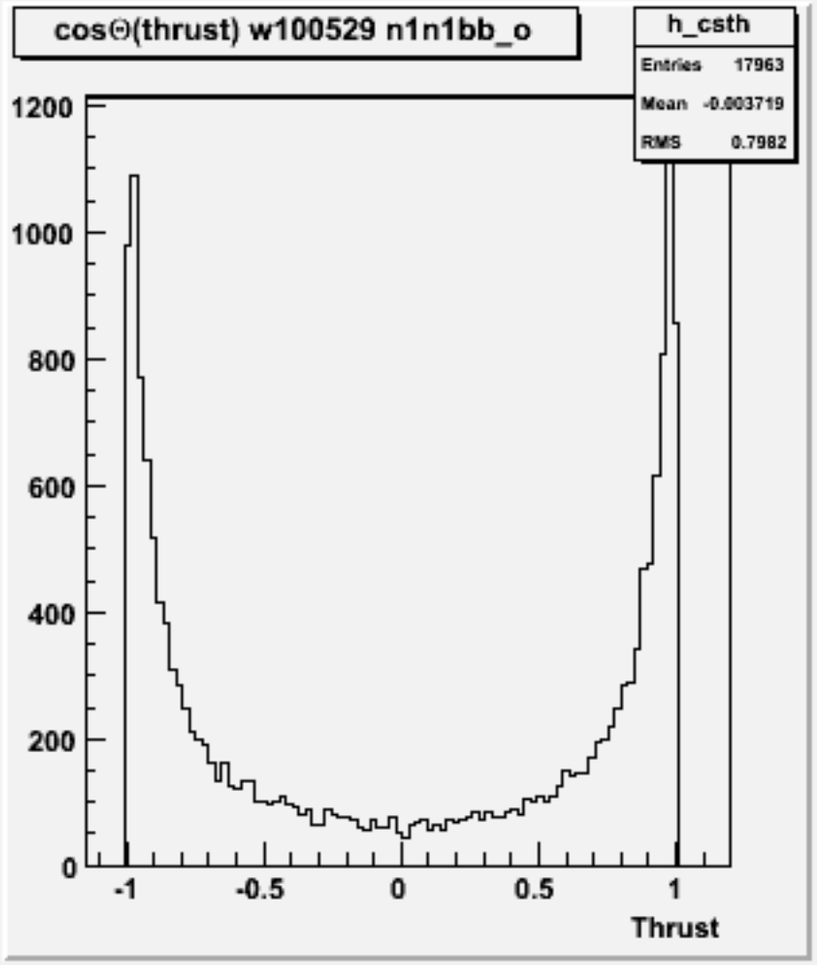

Total Energy (inc. ν): w100529 n1n1bb_o
h_etotc
Entries 16324
Mean 348.6
RMS 2.346
Total Energy(GeV)

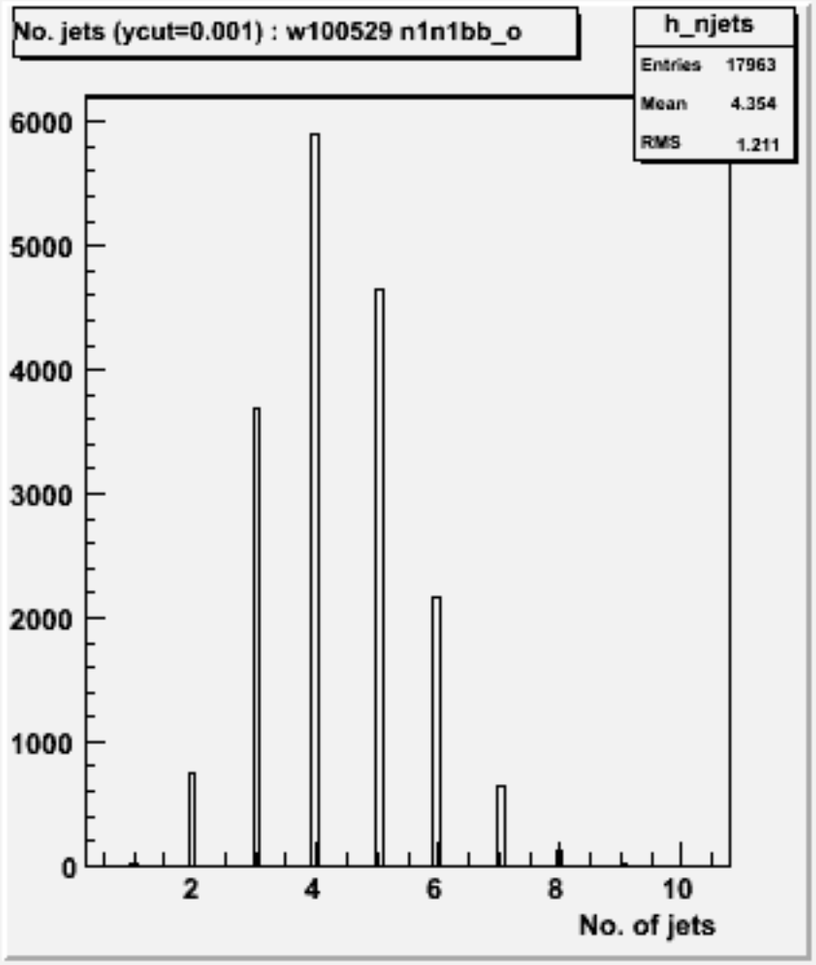

Total Energy (w/o ν): w100529 n1n1bb_o
h_evis
Entries 17963
Mean 169.1
RMS 23.42
Energy(GeV)

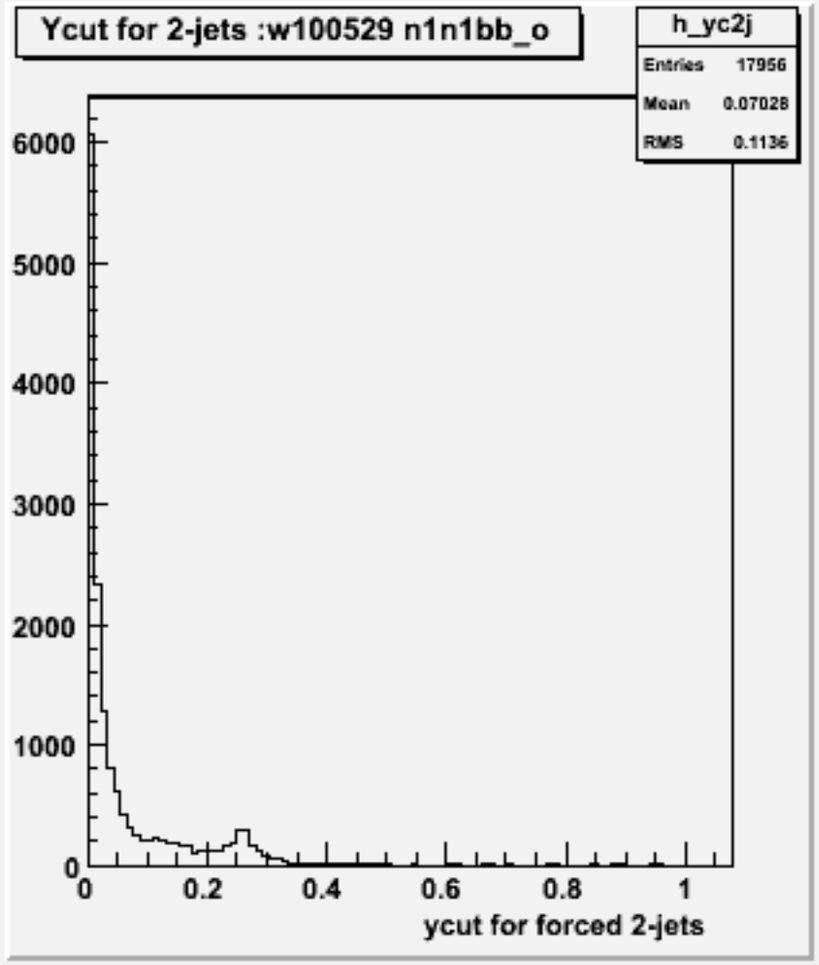
Pt Sum: w100529 n1n1bb_o
h_pt
Entries 17963
Mean 71.05
RMS 39.12
Pt(sum) (GeV)

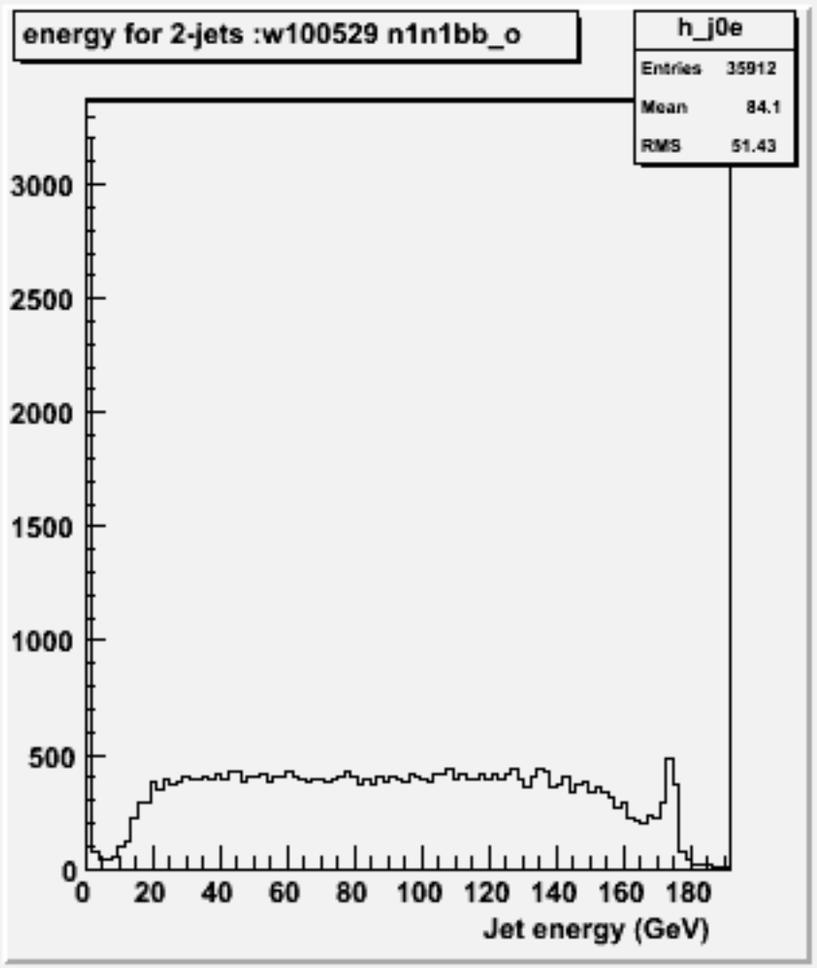
Pz Sum: w100529 n1n1bb_o
h_pz
Entries 17963
Mean 0.08017
RMS 103.8
Pz(sum) (GeV)

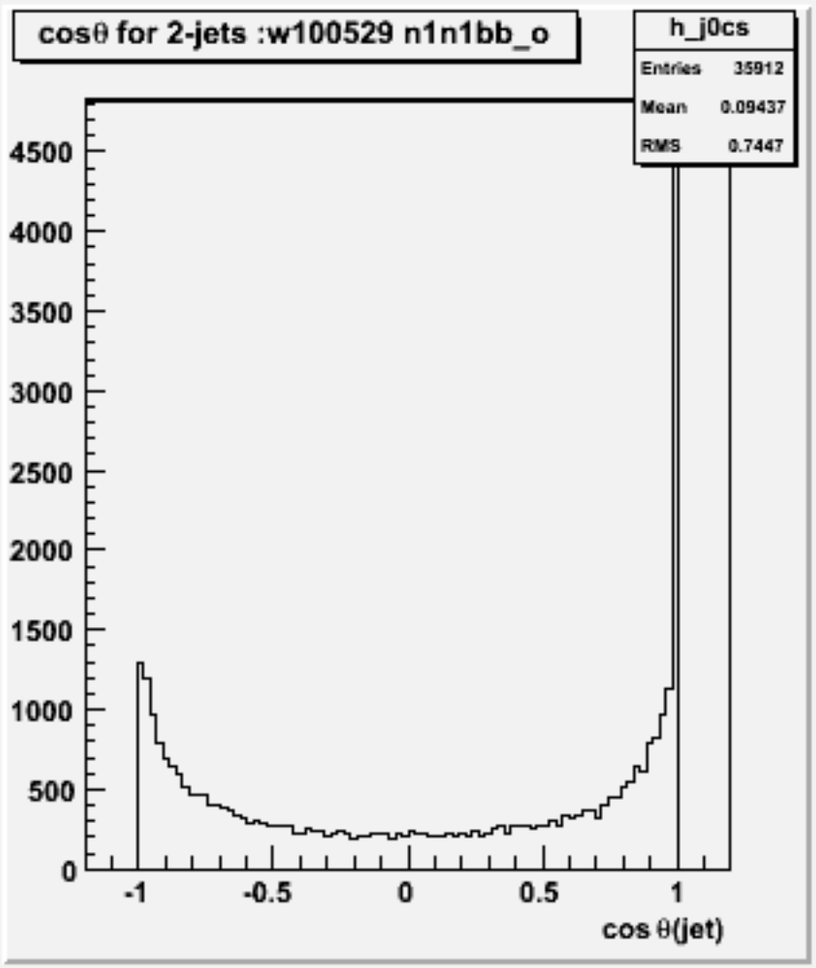
Thrust w100529 n1n1bb_o
h_thrust
Entries 17963
Mean 0.8581
RMS 0.06132
Thrust

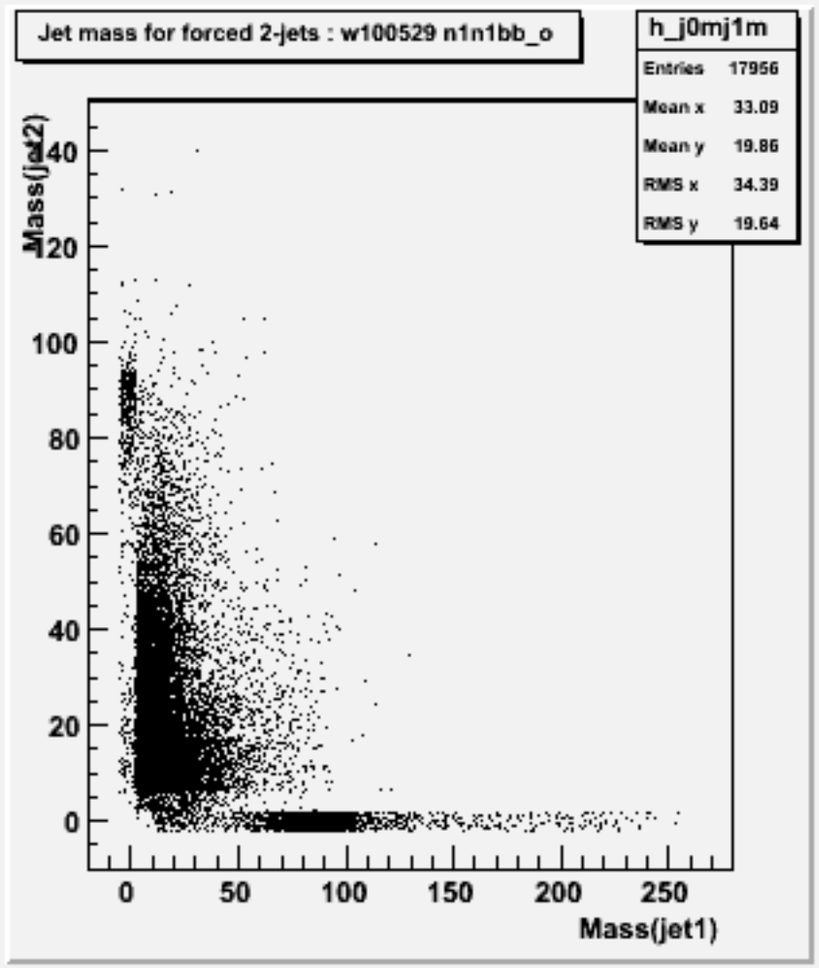

cosΘ(thrust) w100529 n1n1bb_o
h_csth
Entries 17963
Mean -0.003719
RMS 0.7982
1200
1000
800
600
400
200
0
-1
-0.5
0
0.5
1
Thrust

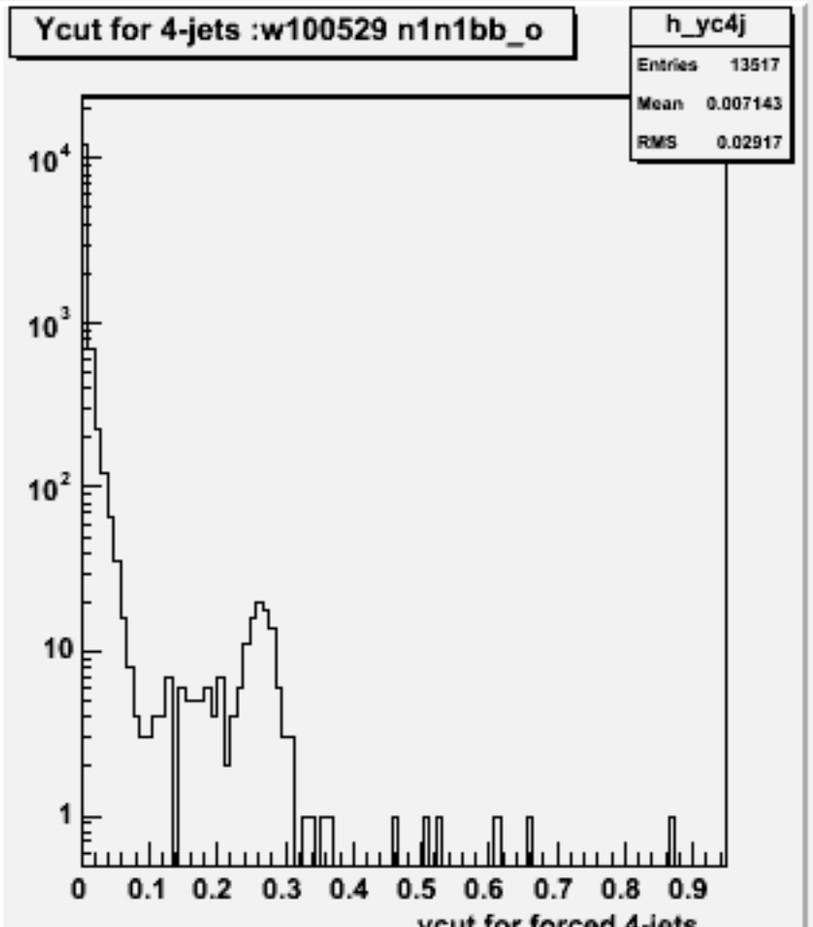

No. jets (ycut=0.001) : w100529 n1n1bb_o
h_njets
Entries 17963
Mean 4.354
RMS 1.211
6000
5000
4000
3000
2000
1000
0
2
4
6
8
10
No. of jets

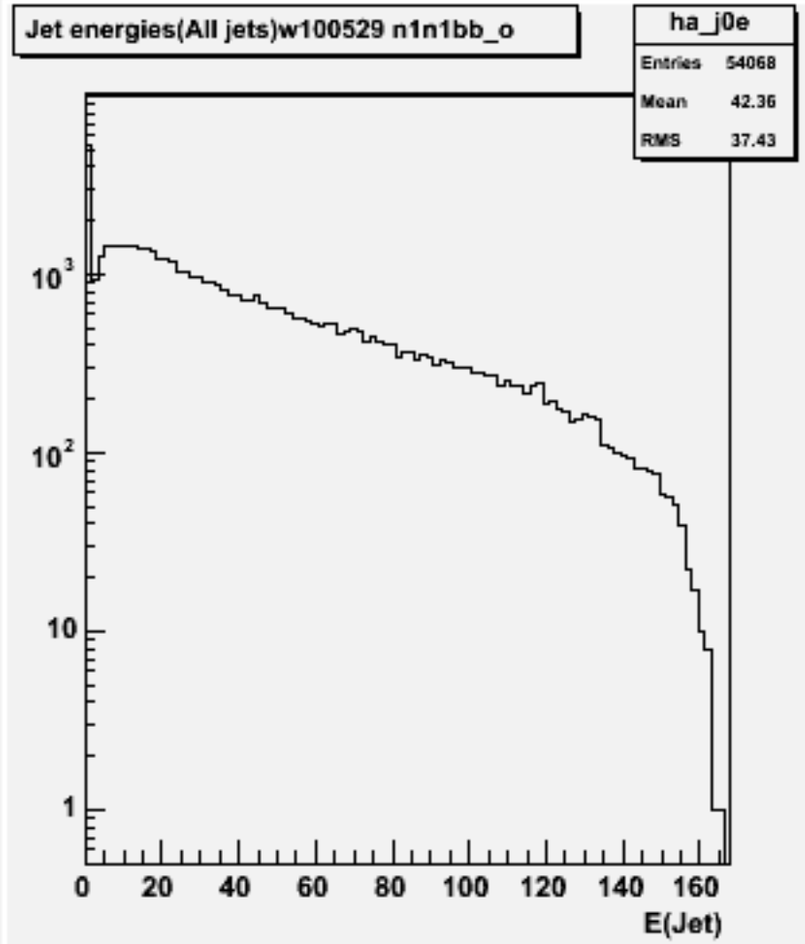

Ycut for 2-jets :w100529 n1n1bb_o
h_yc2j
Entries 17956
Mean 0.07028
RMS 0.1136
6000
5000
4000
3000
2000
1000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

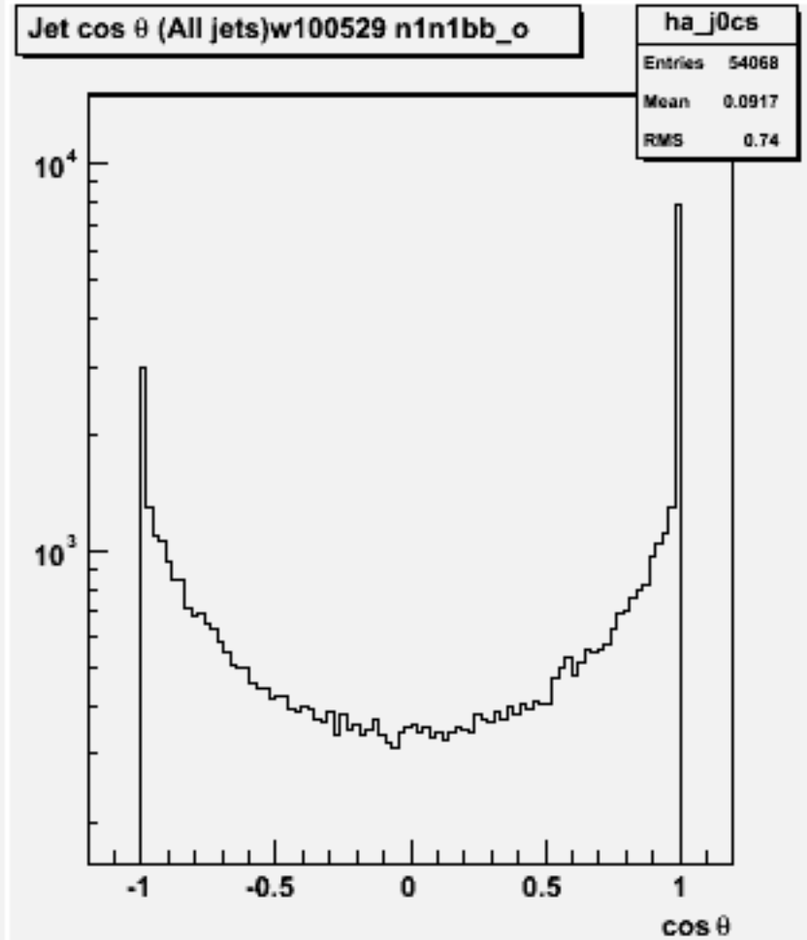

energy for 2-jets :w100529 n1n1bb_o
h_j0e
Entries 35912
Mean 84.1
RMS 51.43
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
160
180
Jet energy (GeV)

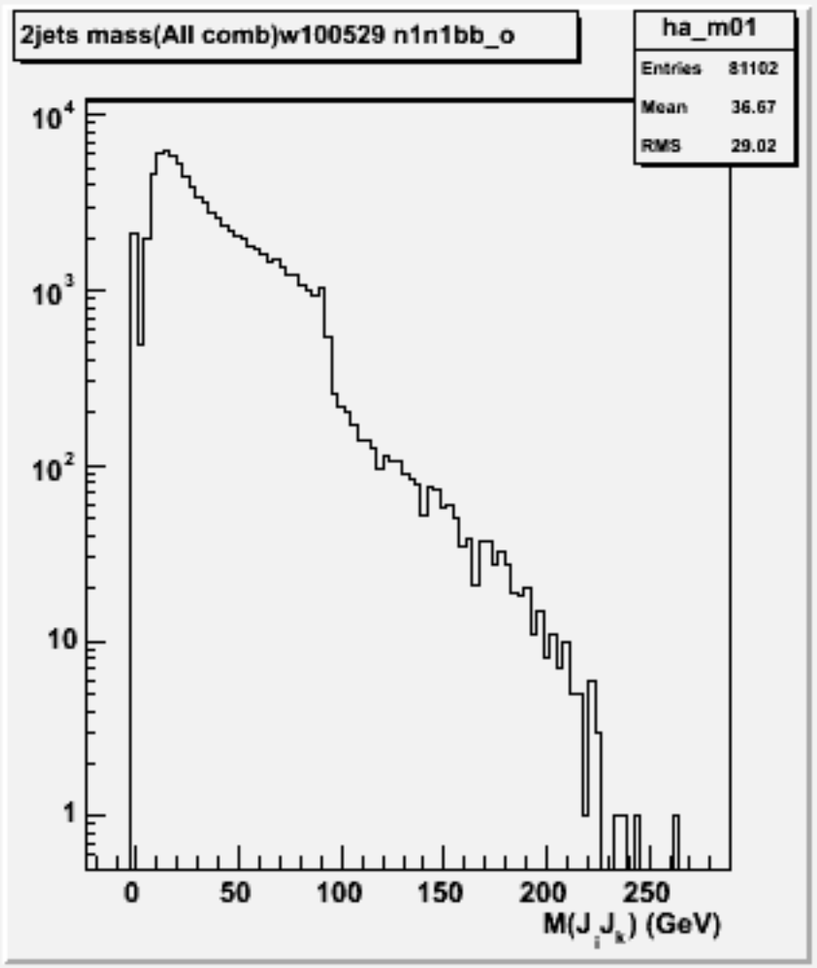

cosθ for 2-jets :w100529 n1n1bb_o
h_j0cs
Entries 35912
Mean 0.09437
RMS 0.7447
4500
4000
3500
3000
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
cos θ(jet)

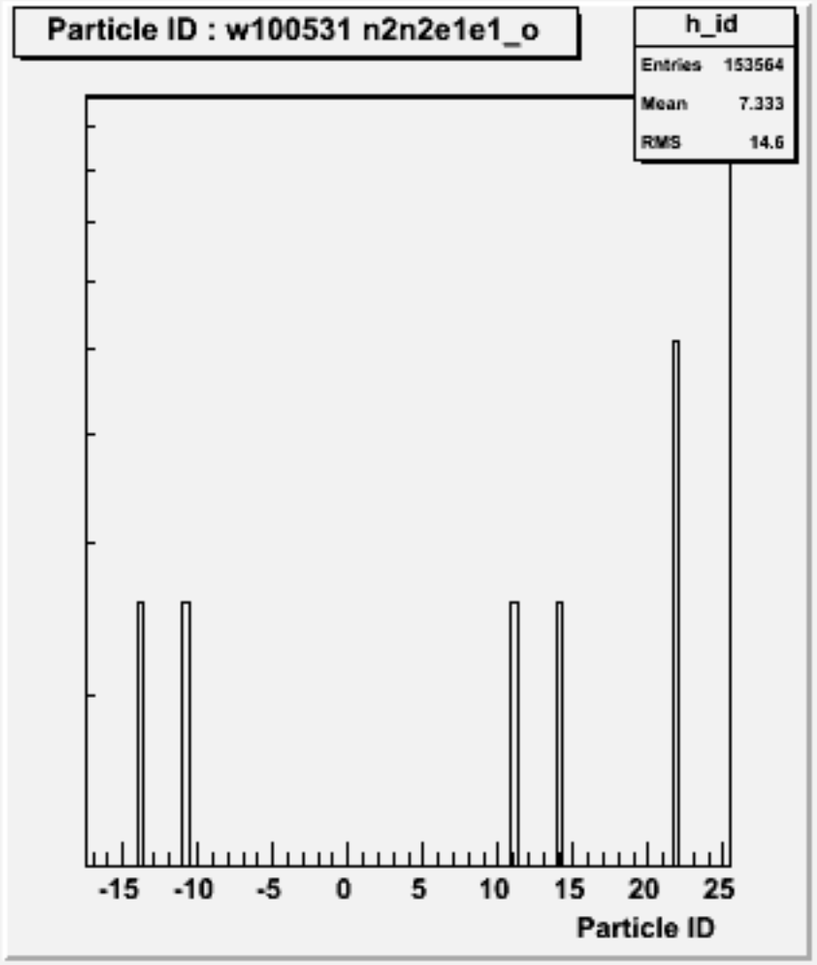

Jet mass for forced 2-jets : w100529 n1n1bb_o
h_j0mj1m
Entries 17956
Mean x 33.09
Mean y 19.86
RMS x 34.39
RMS y 19.64
Mass(jet2)
120
100
80
60
40
20
0
0
50
100
150
200
250
Mass(jet1)

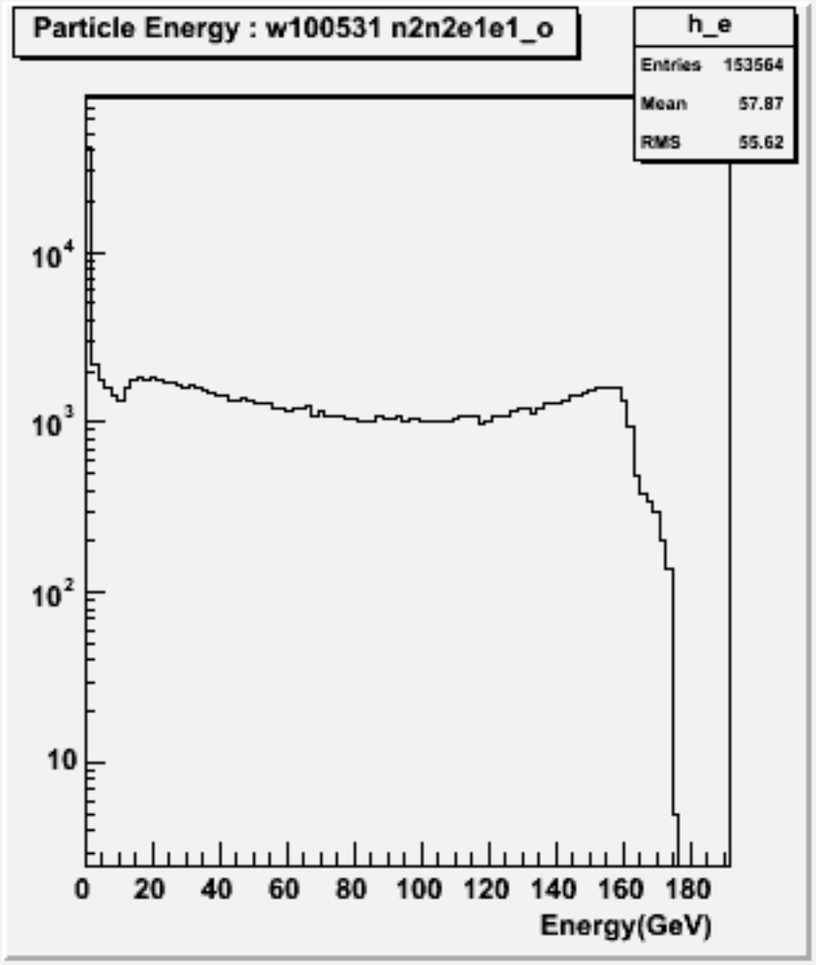

Ycut for 4-jets :w100529 n1n1bb_o
h_yc4j
Entries 13517
Mean 0.007143
RMS 0.02917
ycut for forced 4-jets

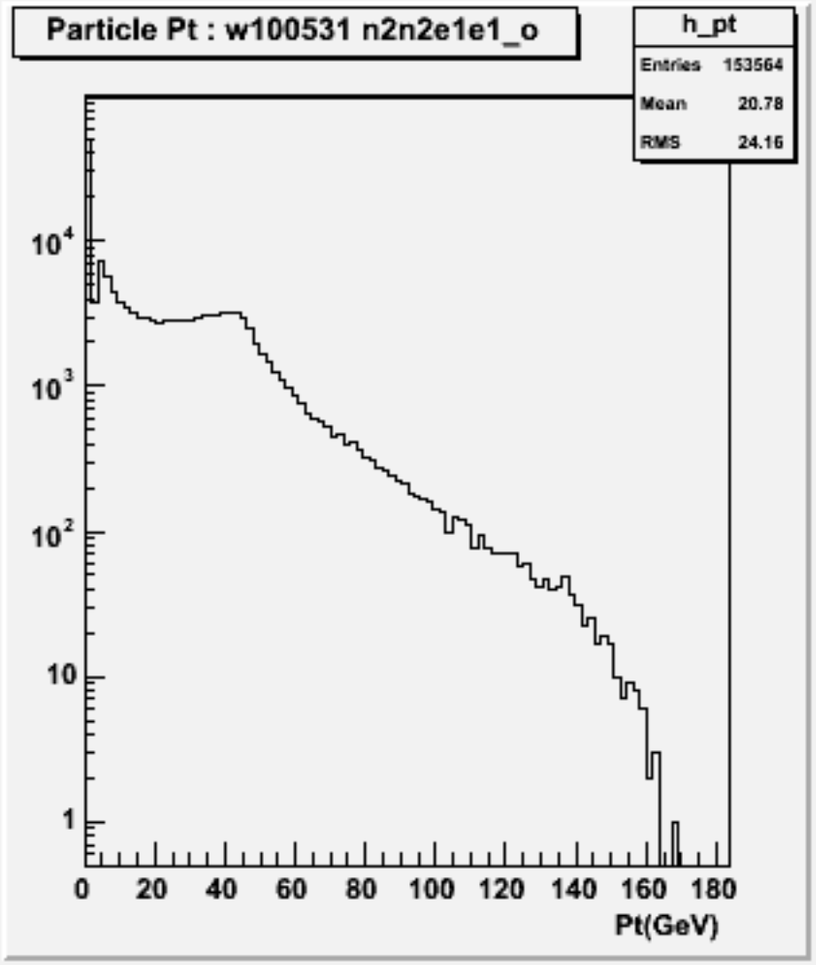

Jet energies(All jets)w100529 n1n1bb_o
ha_j0e
Entries 54068
Mean 42.36
RMS 37.43
E(Jet)

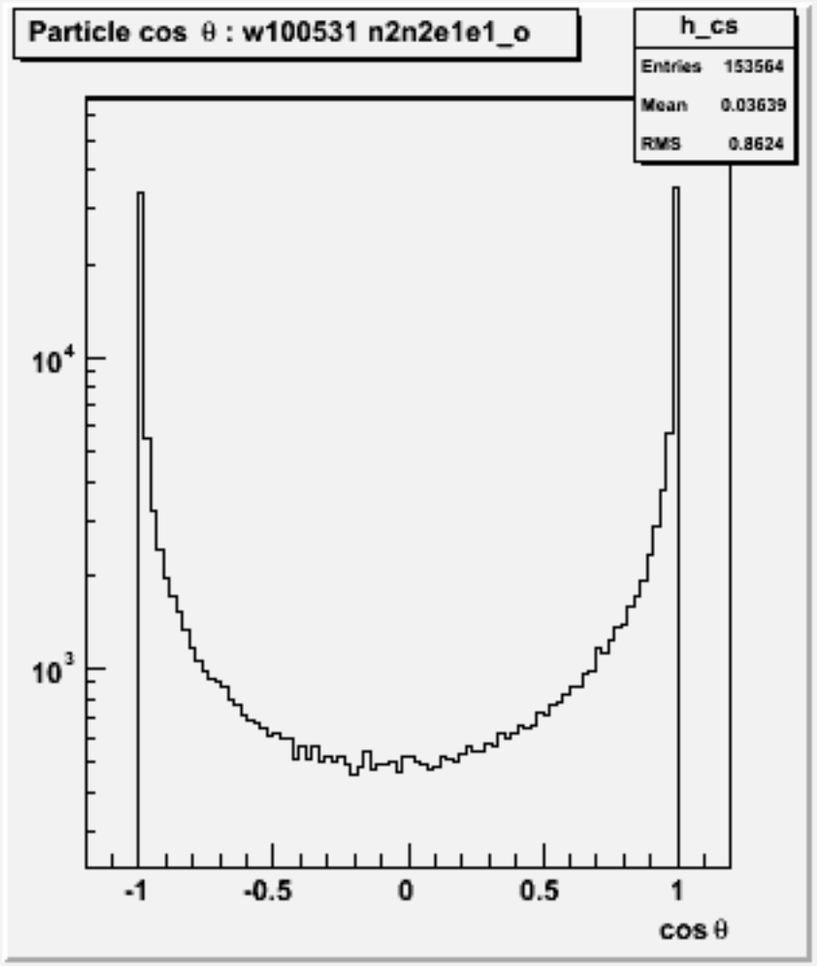

Jet cos θ (All jets)w100529 n1n1bb_o
ha_j0cs
Entries 54068
Mean 0.0917
RMS 0.74
cos θ

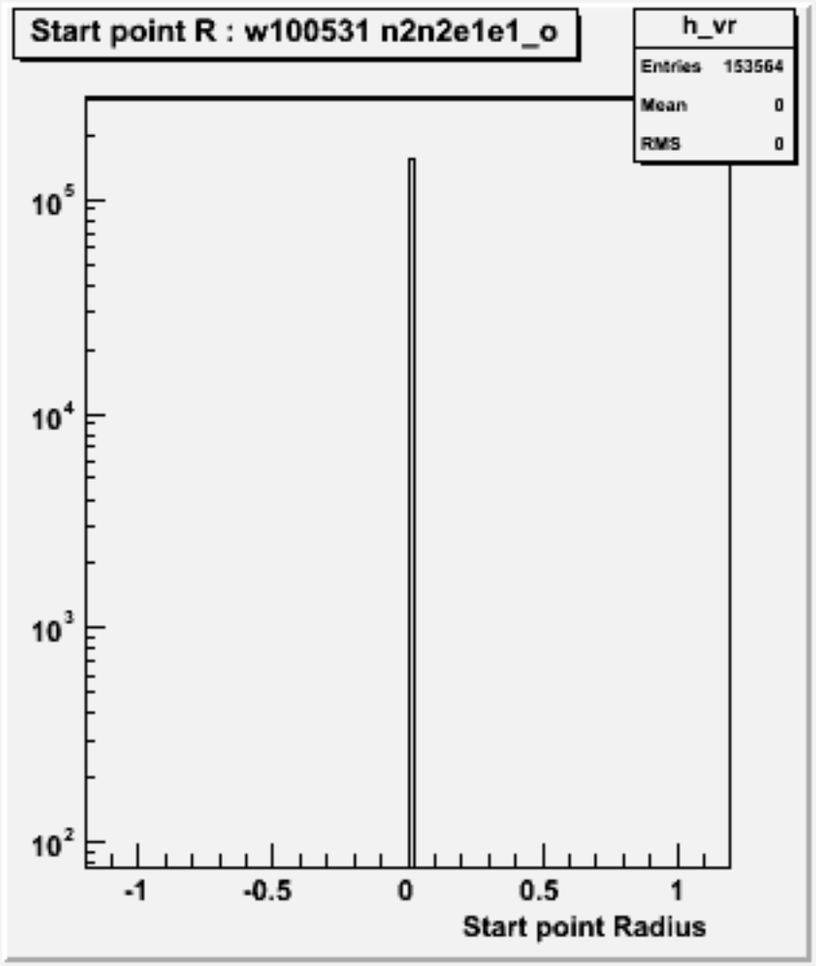

2jets mass(All comb)w100529 n1n1bb_o
ha_m01
Entries 81102
Mean 36.67
RMS 29.02
M(J_iJ_k) (GeV)

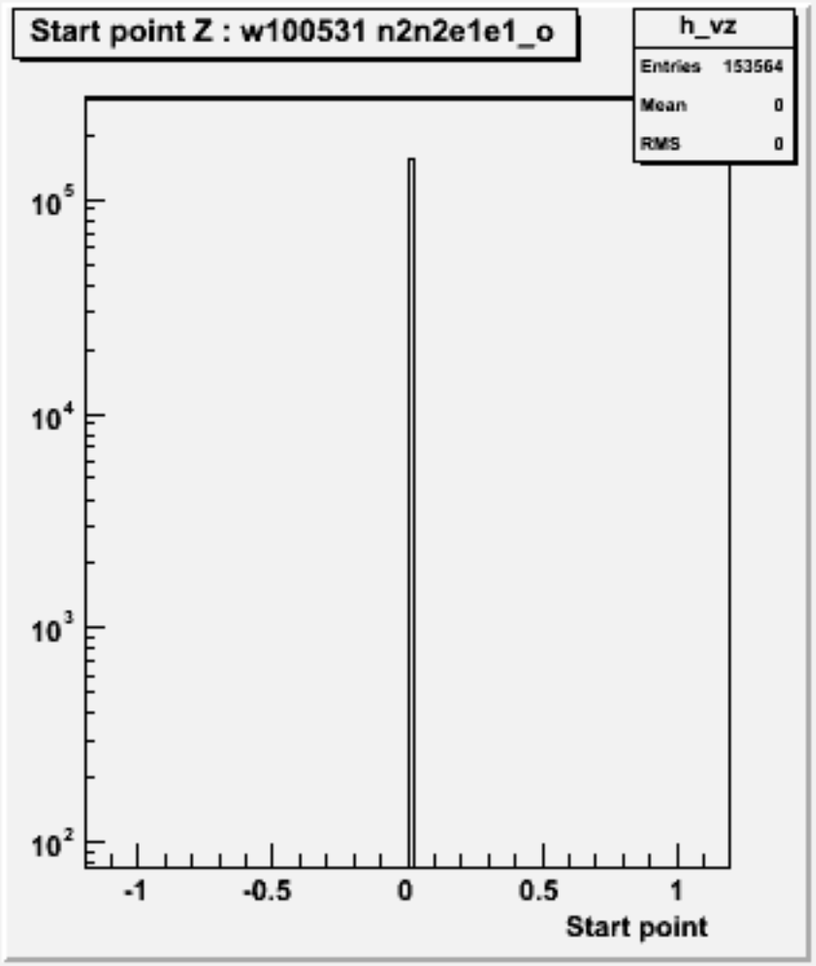

Particle ID : w100531 n2n2e1e1_o
h_id
Entries 153564
Mean 7.333
RMS 14.6
-15 -10 -5 0 5 10 15 20 25
Particle ID

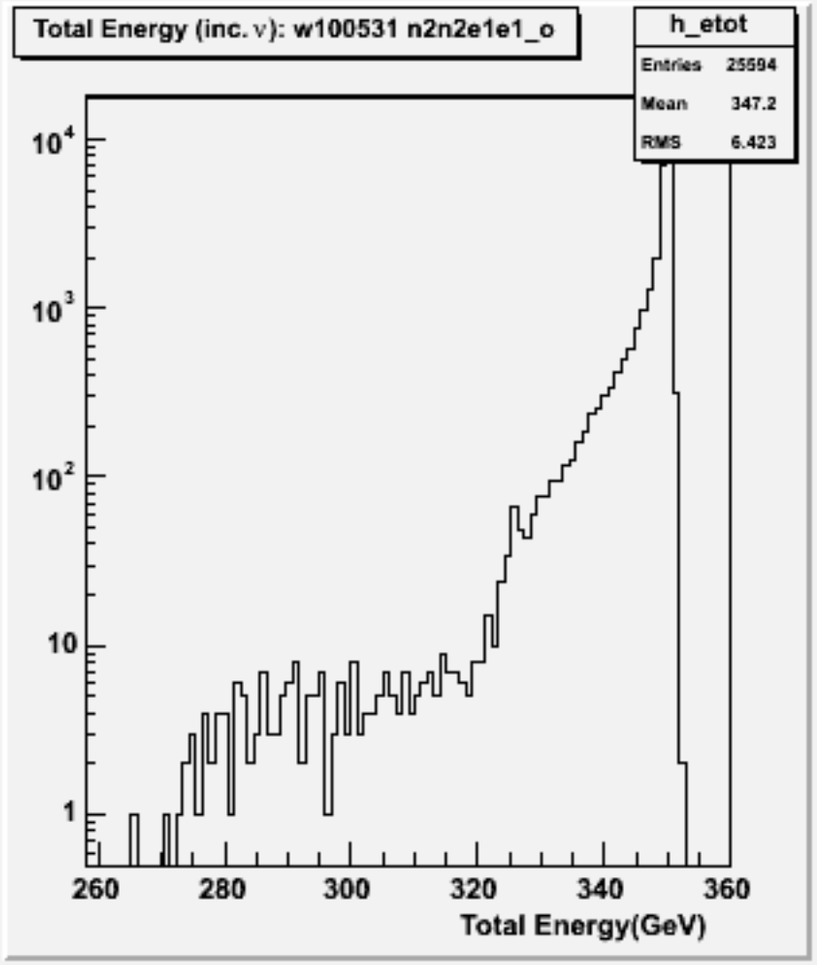

Particle Energy : w100531 n2n2e1e1_o
h_e
Entries 153564
Mean 57.87
RMS 55.62
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

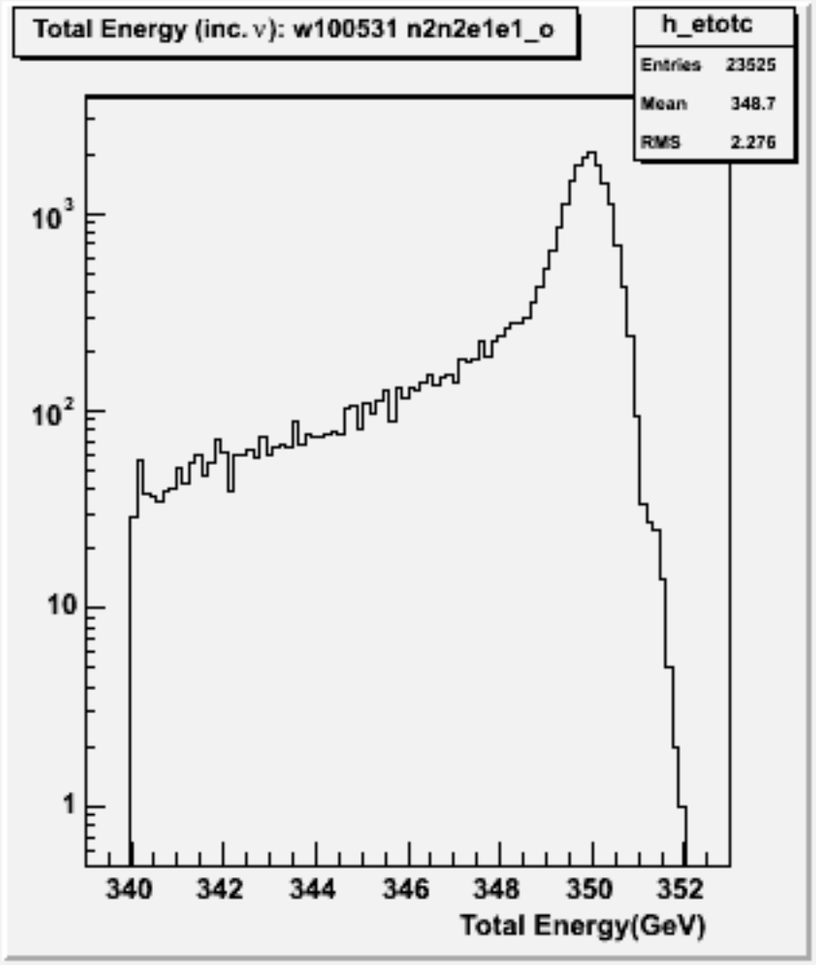

Particle Pt : w100531 n2n2e1e1_o
h_pt
Entries 153564
Mean 20.78
RMS 24.16
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

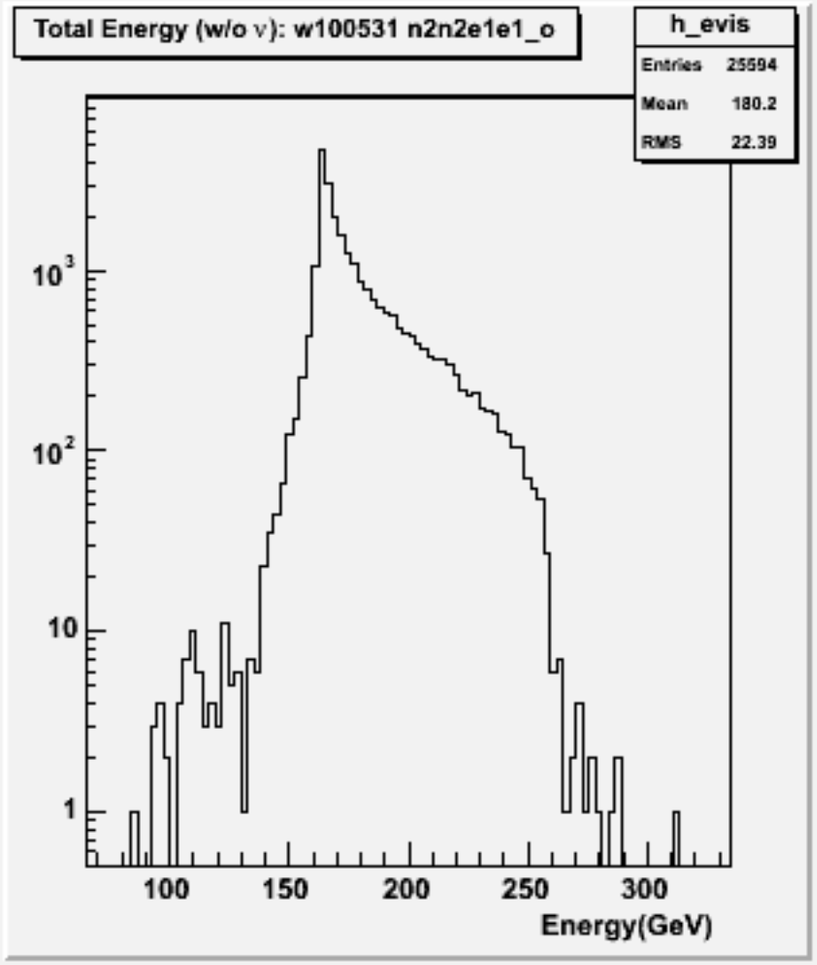

Particle cos θ : w100531 n2n2e1e1_o
h_cs
Entries 153564
Mean 0.03639
RMS 0.8624
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

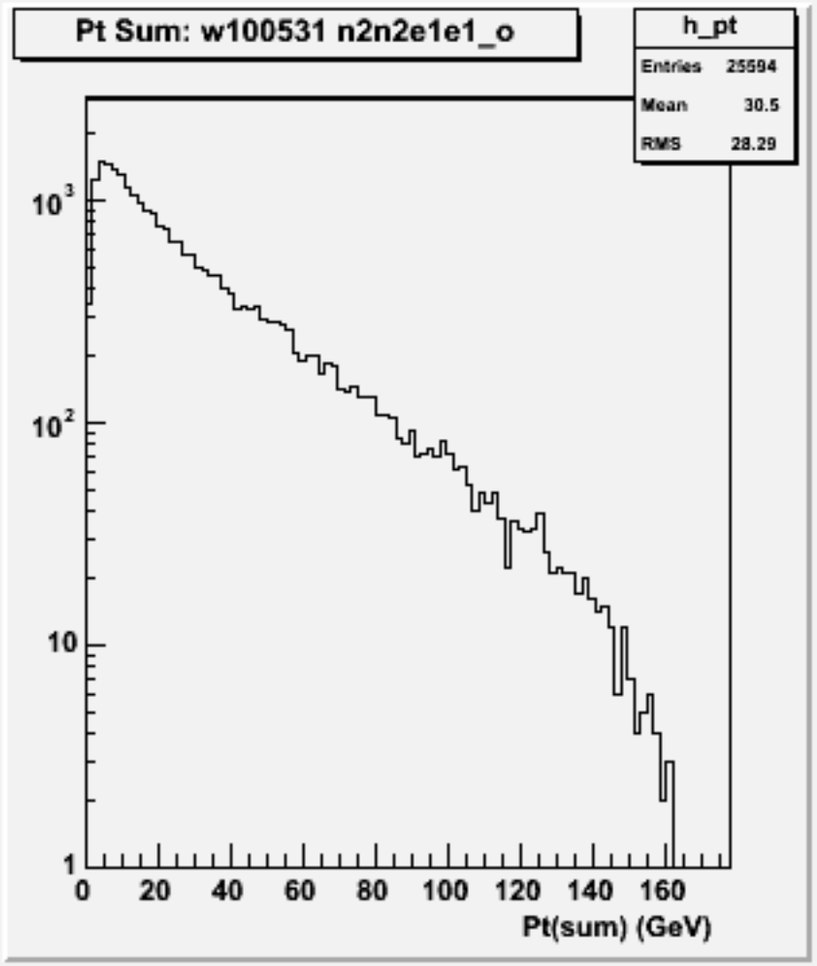

Start point R : w100531 n2n2e1e1_o
h_vr
Entries 153564
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

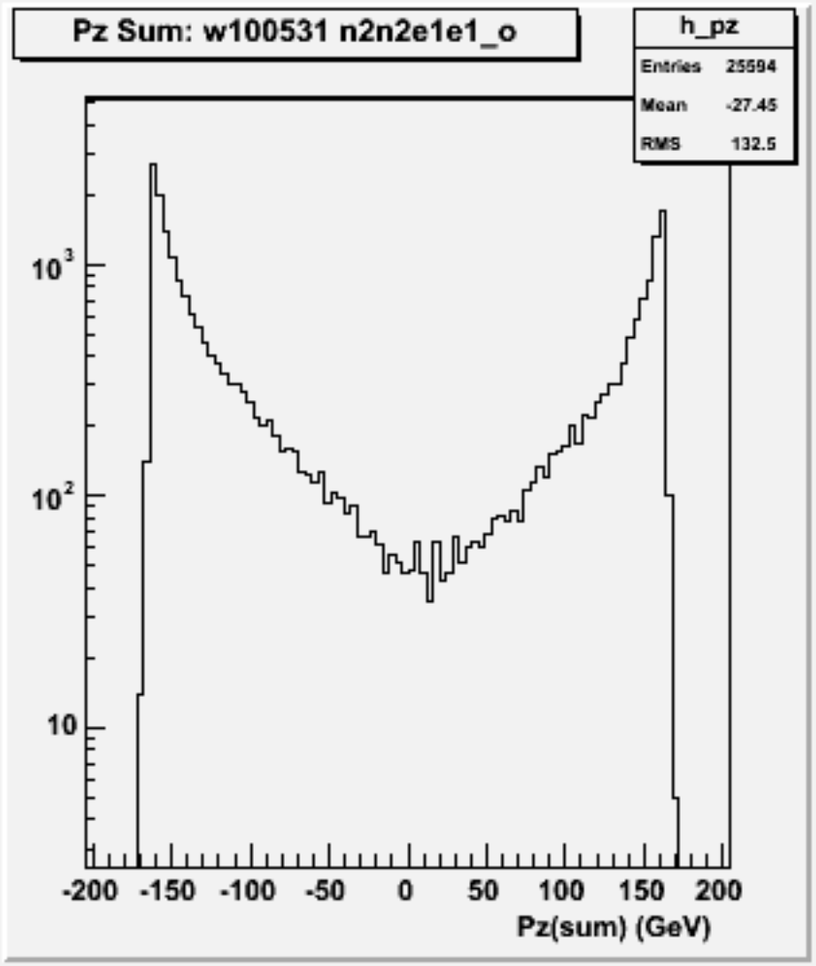

Start point Z : w100531 n2n2e1e1_o
h_vz
Entries 153564
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

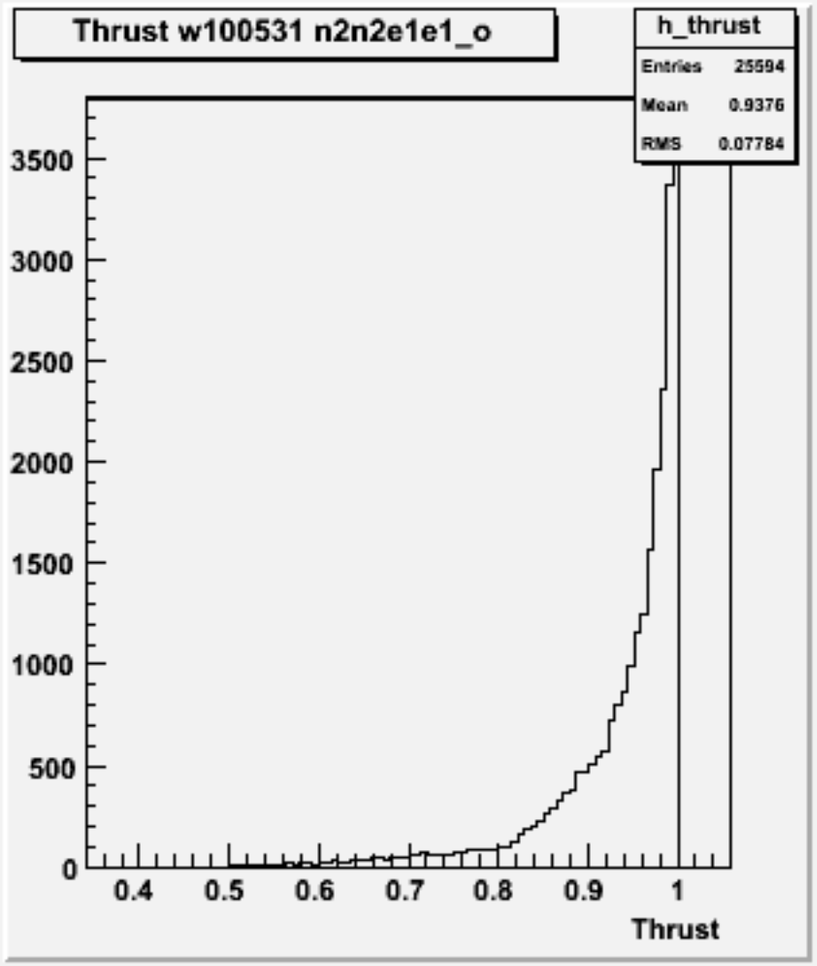

Total Energy (inc. ν): w100531 n2n2e1e1_o
h_etot
Entries 25594
Mean 347.2
RMS 6.423
Total Energy(GeV)

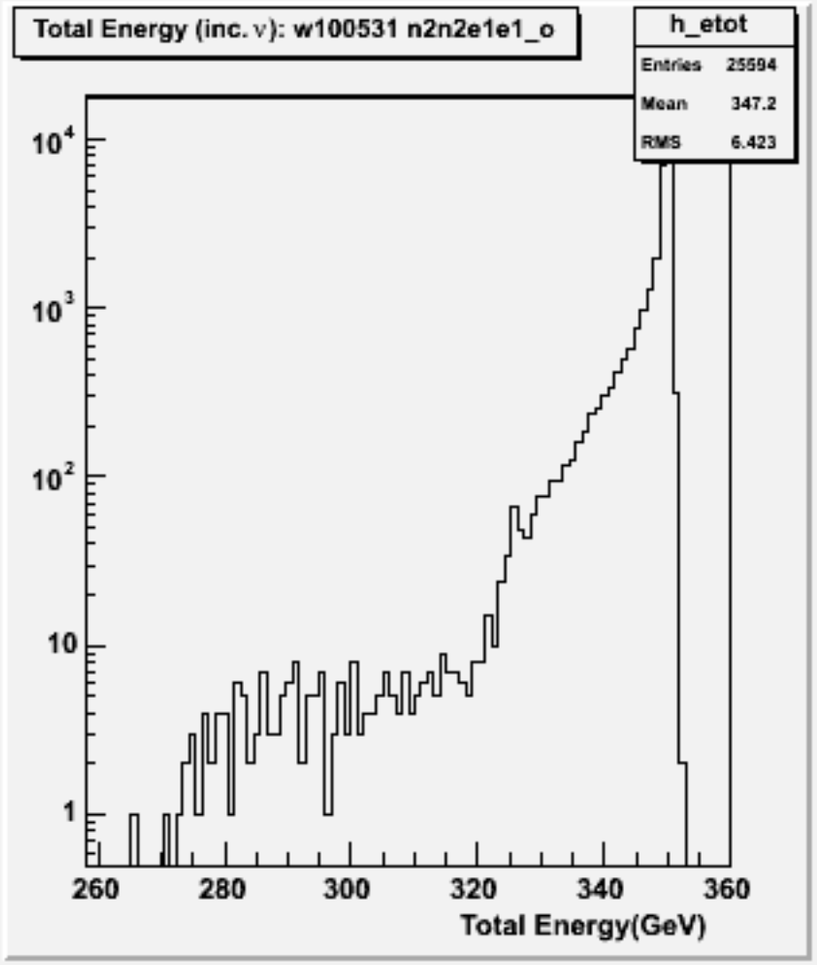

Total Energy (inc. ν): w100531 n2n2e1e1_o
h_etotc
Entries 23525
Mean 348.7
RMS 2.276
Total Energy(GeV)

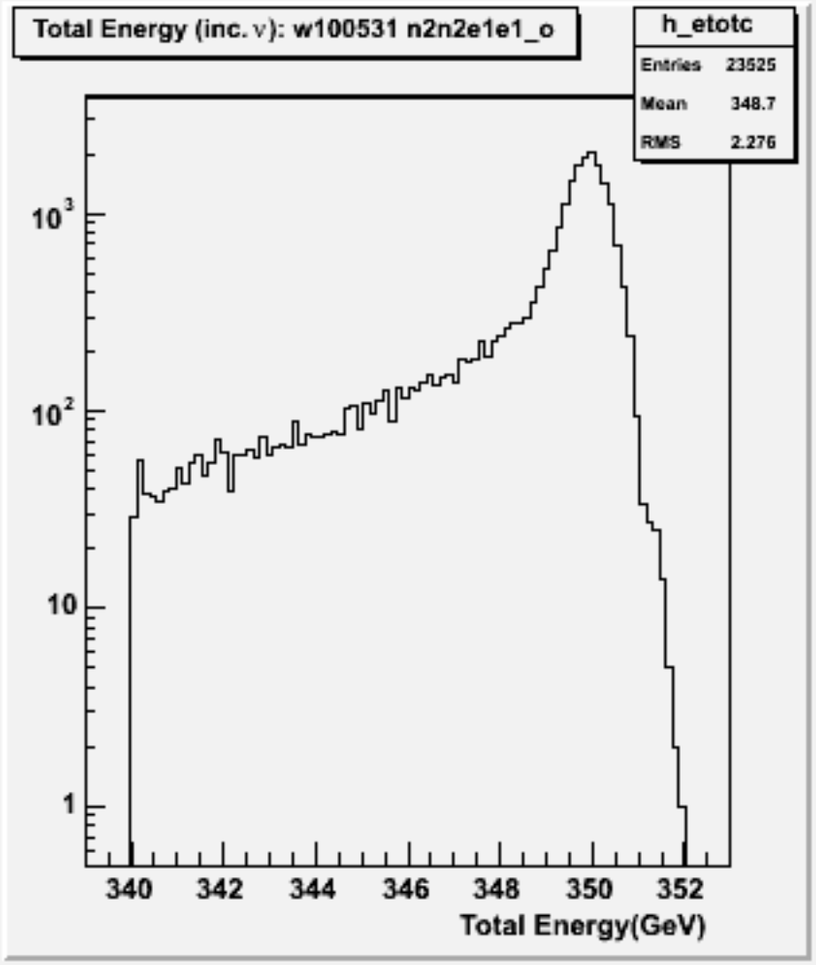

Total Energy (w/o ν): w100531 n2n2e1e1_o
h_evis
Entries 25594
Mean 180.2
RMS 22.39
Energy(GeV)

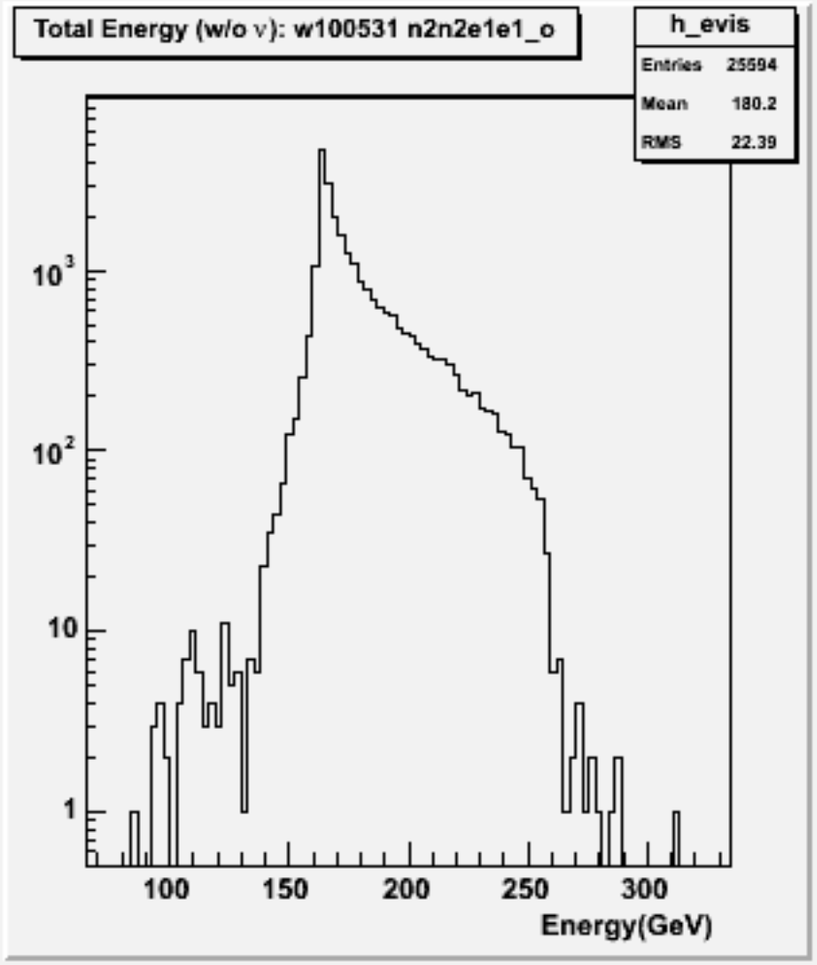

Pt Sum: w100531 n2n2e1e1_o
h_pt
Entries 25594
Mean 30.5
RMS 28.29
Pt(sum) (GeV)

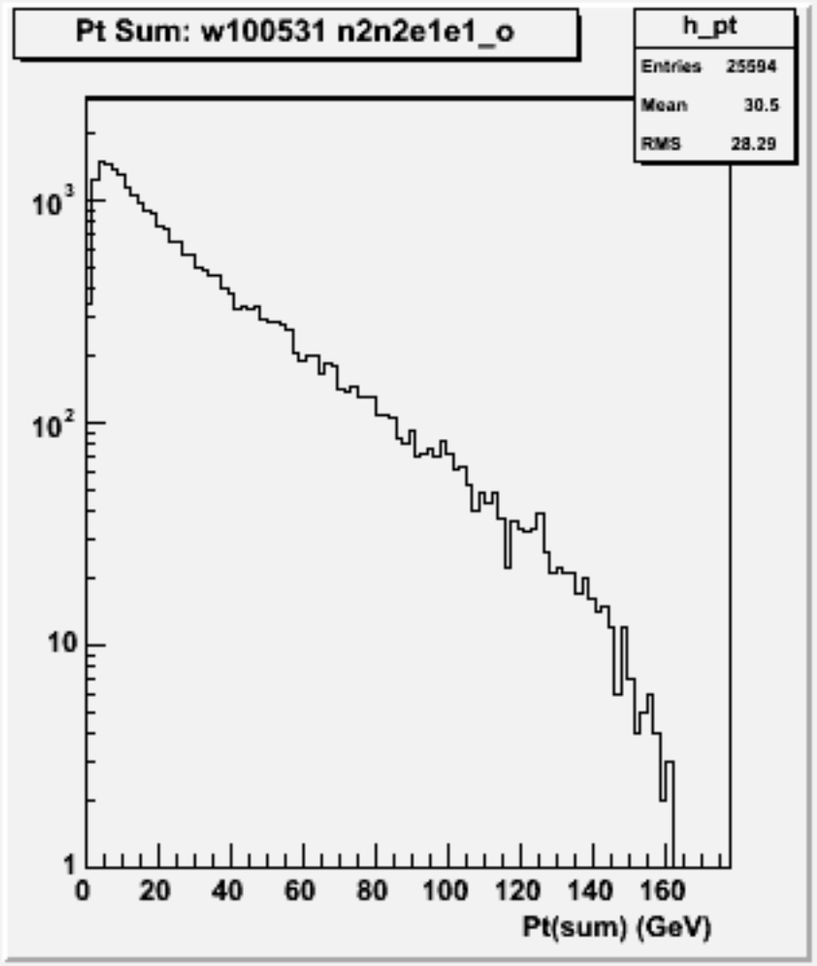

Pz Sum: w100531 n2n2e1e1_o
h_pz
Entries 25594
Mean -27.45
RMS 132.5
Pz(sum) (GeV)

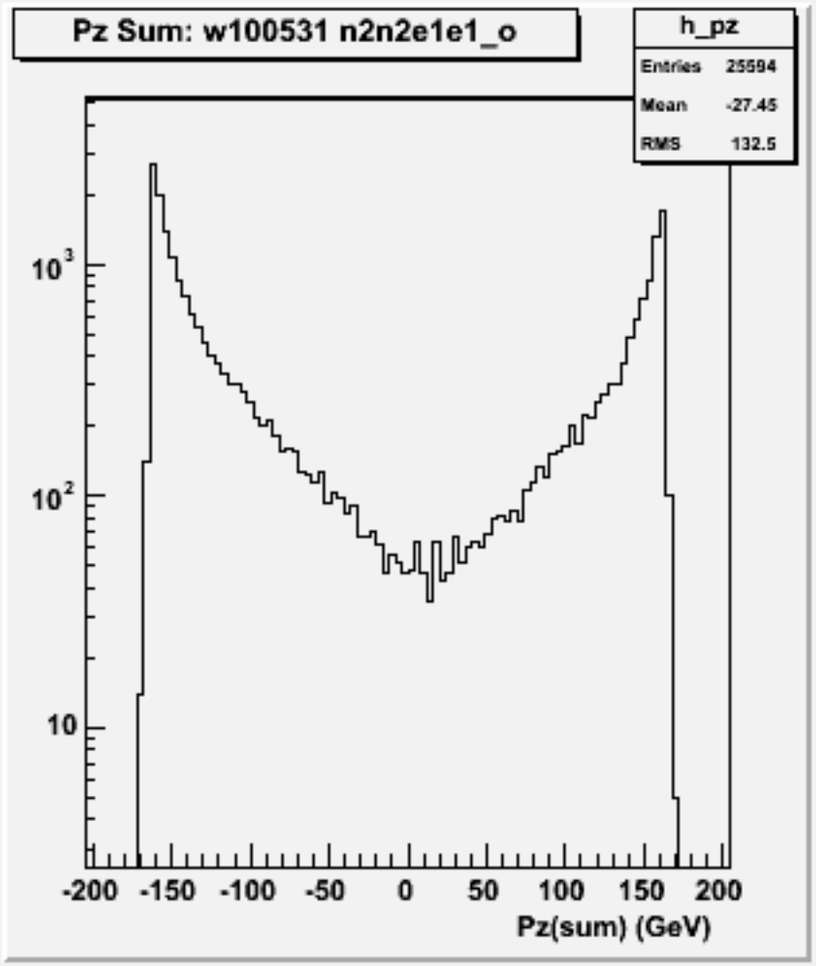

Thrust w100531 n2n2e1e1_o
h_thrust
Entries 25594
Mean 0.9376
RMS 0.07784
Thrust

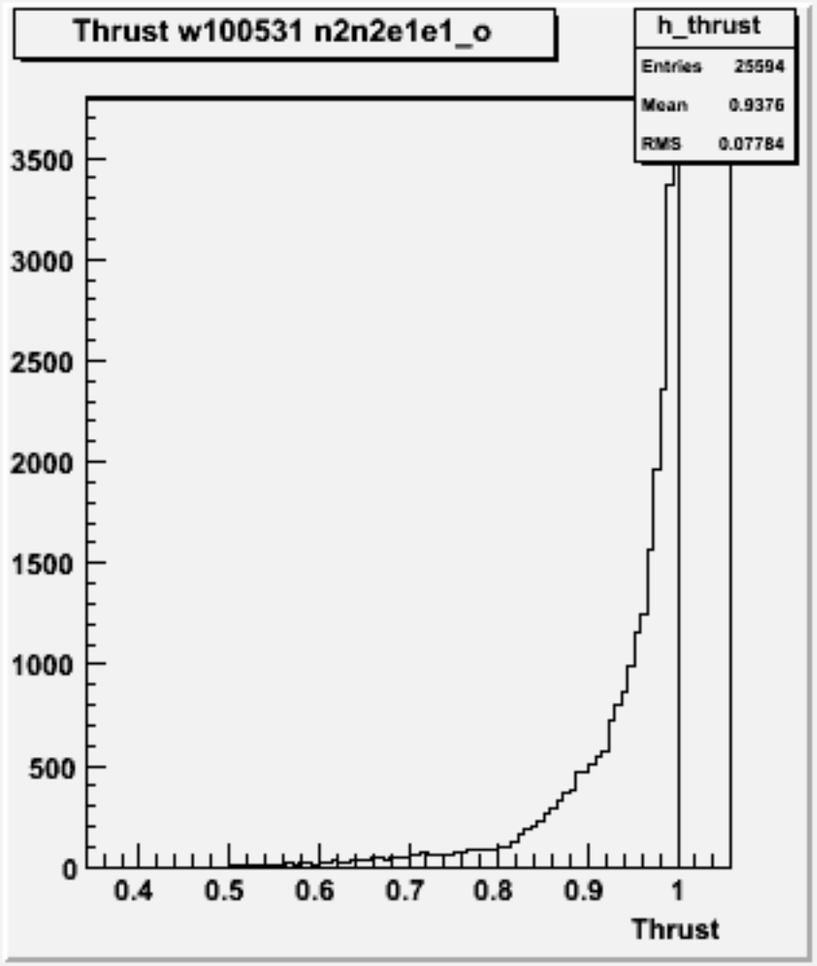

Total Energy (inc. ν): w100531 n2n2e1e1_o
h_etot
Entries 25594
Mean 347.2
RMS 6.423
Total Energy(GeV)

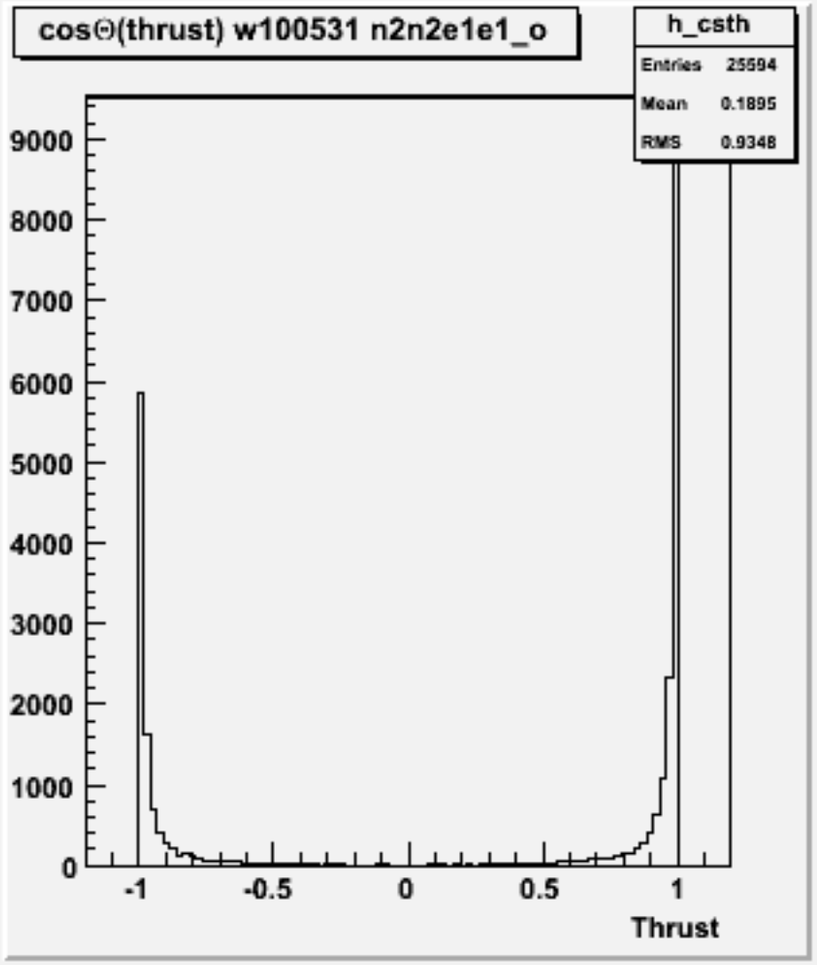

Total Energy (inc. ν): w100531 n2n2e1e1_o
h_etotc
Entries 23525
Mean 348.7
RMS 2.276
Total Energy(GeV)

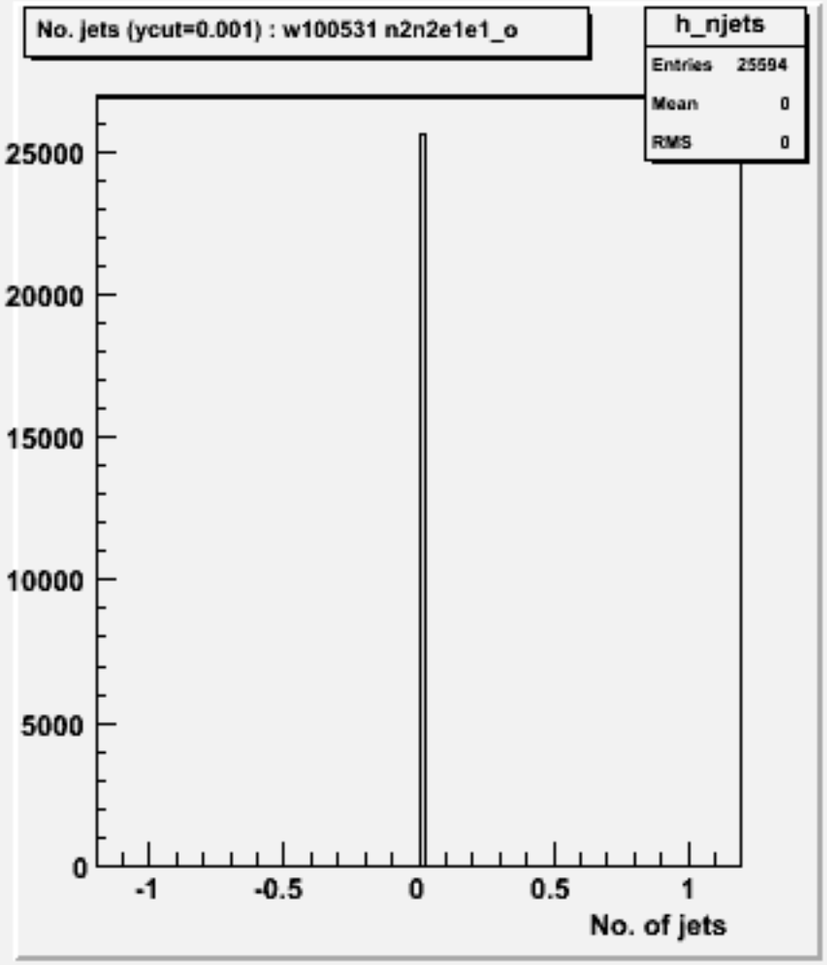

Total Energy (w/o ν): w100531 n2n2e1e1_o
h_evis
Entries 25594
Mean 180.2
RMS 22.39
Energy(GeV)


Pt Sum: w100531 n2n2e1e1_o
h_pt
Entries 25594
Mean 30.5
RMS 28.29
Pt(sum) (GeV)


Pz Sum: w100531 n2n2e1e1_o
h_pz
Entries 25594
Mean -27.45
RMS 132.5
Pz(sum) (GeV)


Thrust w100531 n2n2e1e1_o
h_thrust
Entries 25594
Mean 0.9376
RMS 0.07784
Thrust

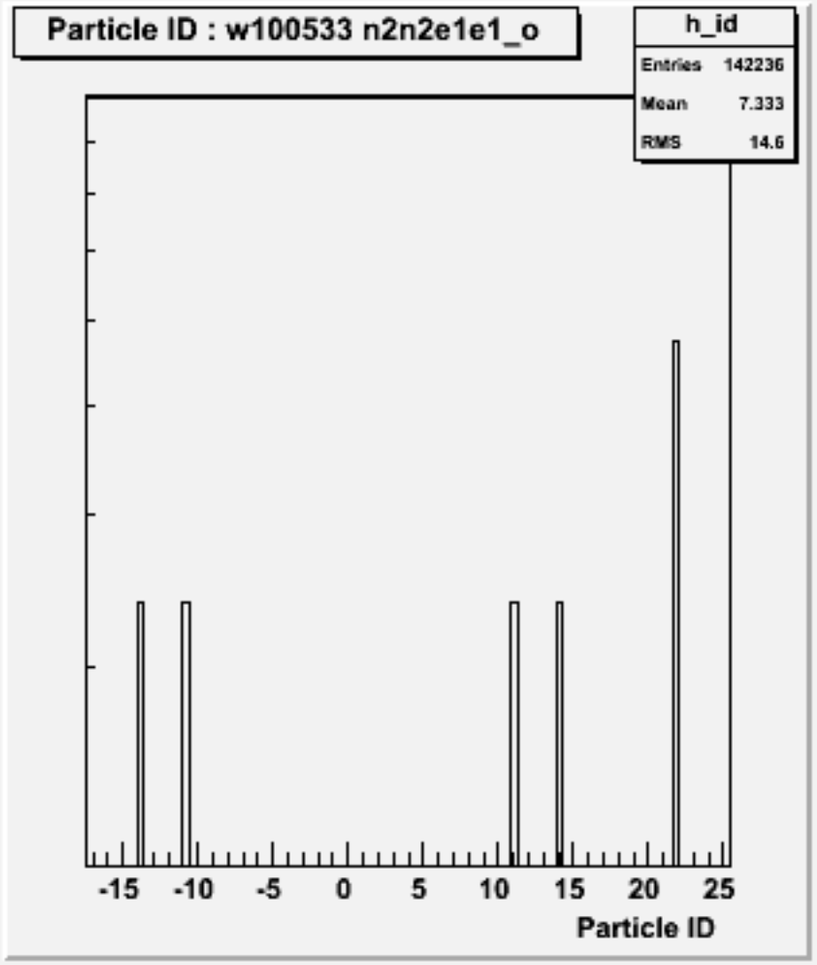


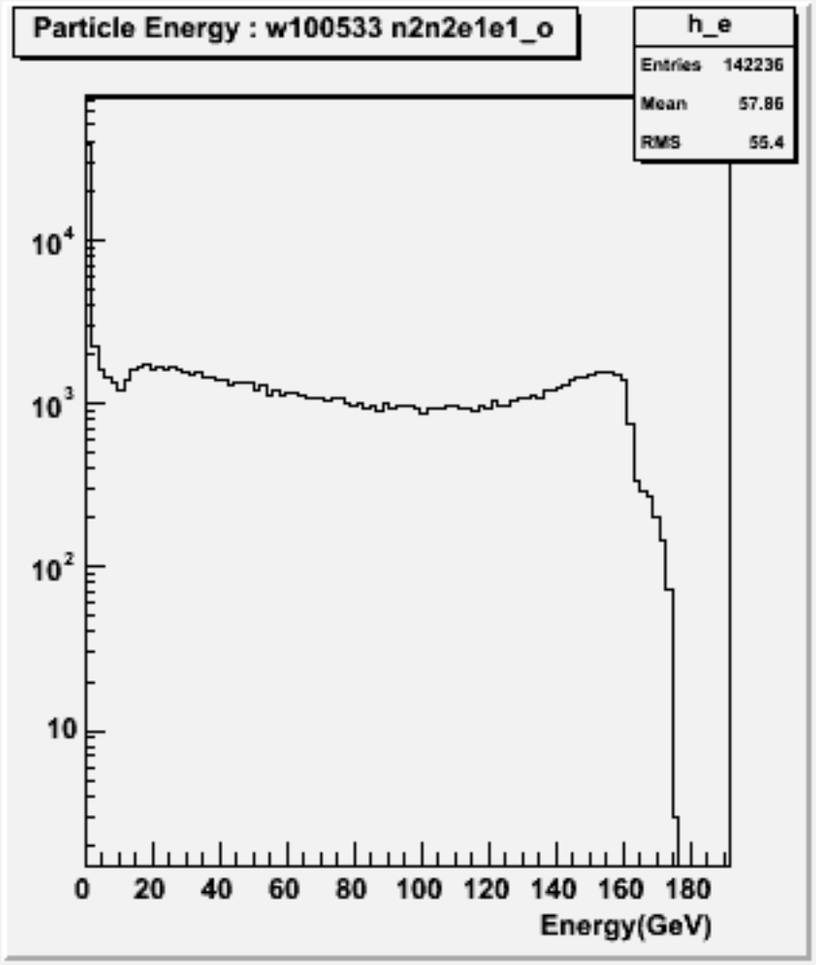


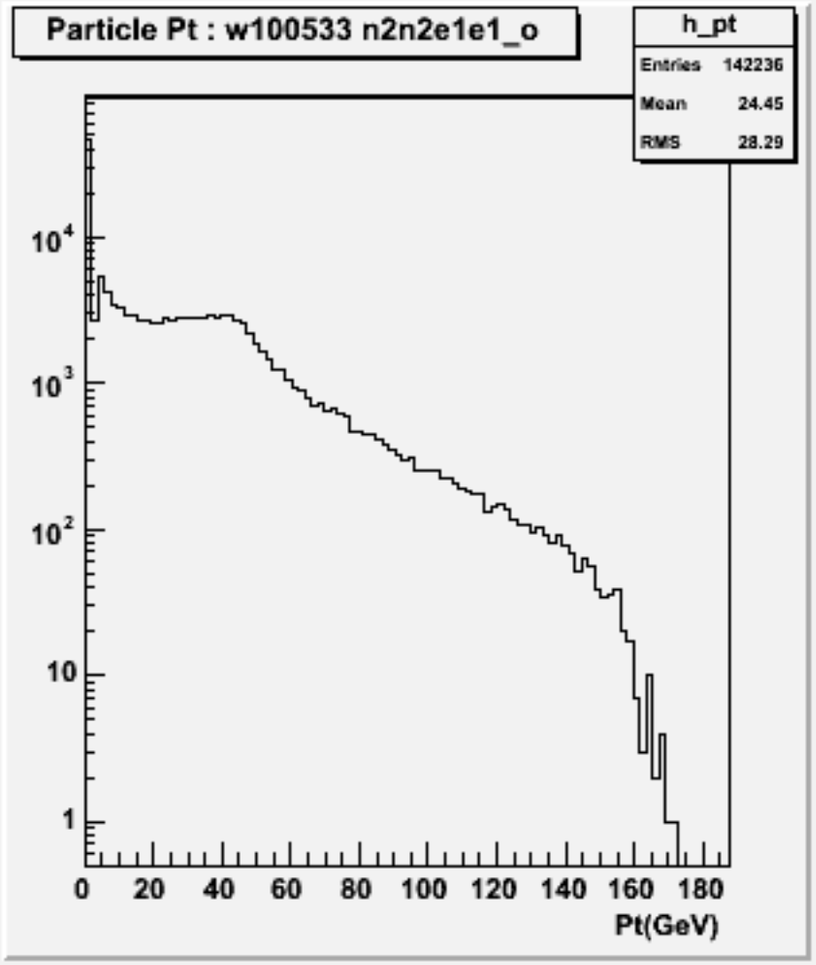
w100531 n2n2e1e1_o

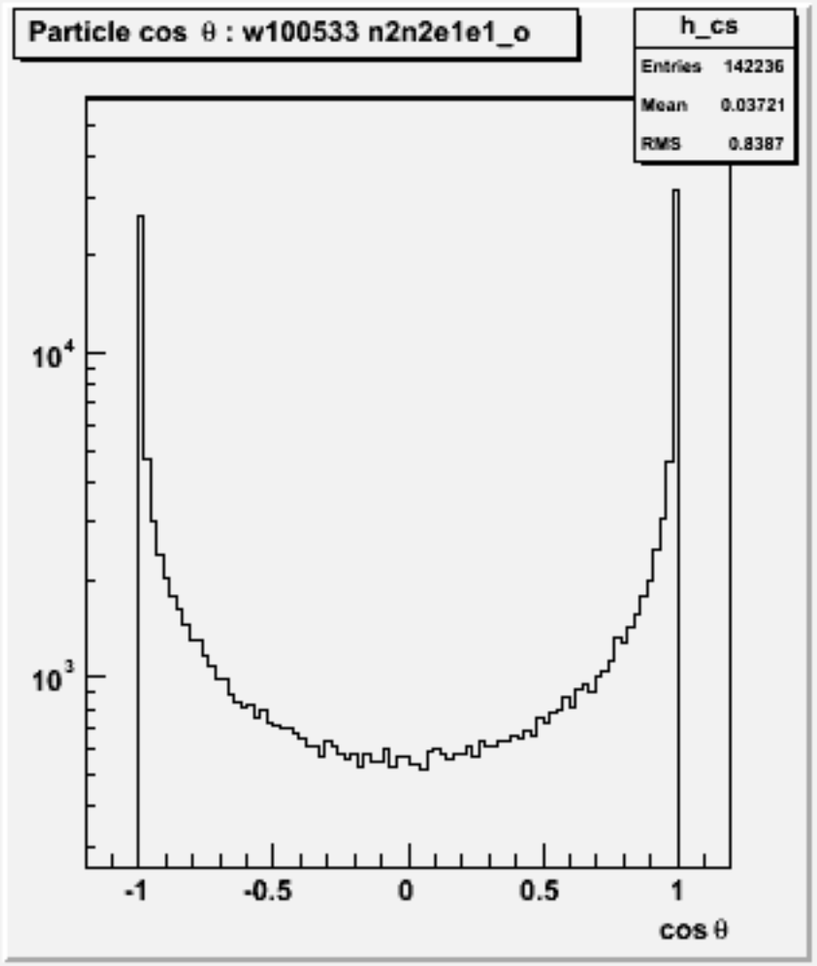
: There are no 2-jets

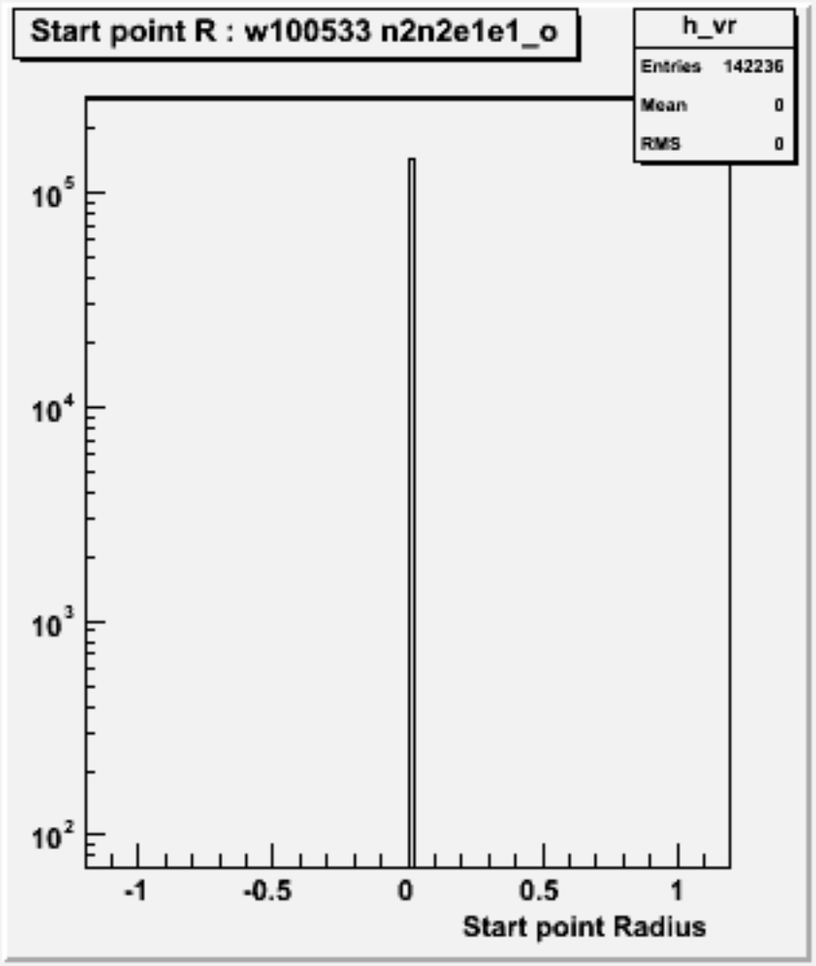
w100531 n2n2e1e1_o : There are no 4-jets

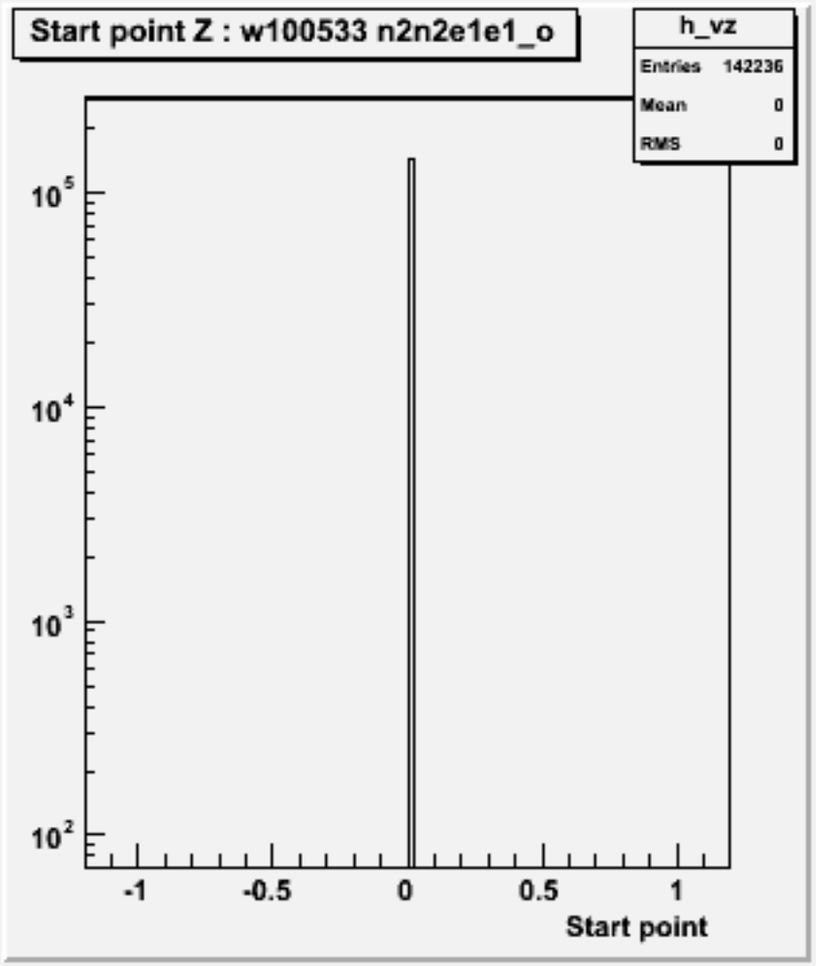

Particle ID : w100533 n2n2e1e1_o
h_id
Entries 142236
Mean 7.333
RMS 14.6
-15 -10 -5 0 5 10 15 20 25
Particle ID

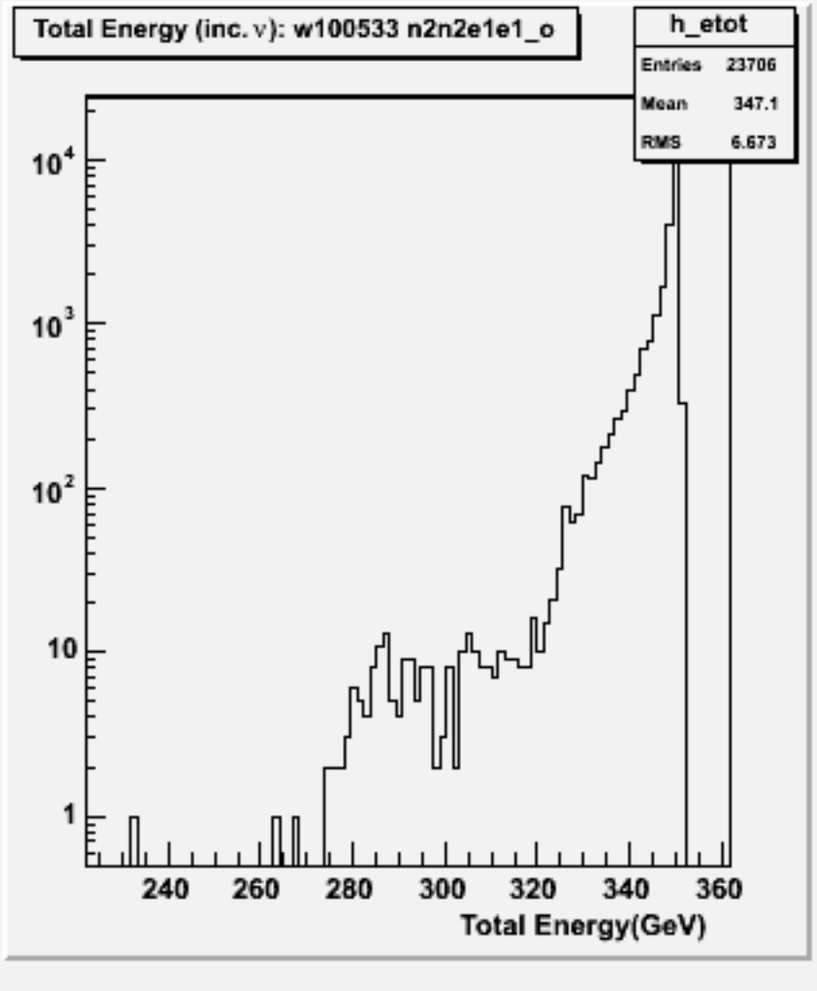

Particle Energy : w100533 n2n2e1e1_o
h_e
Entries 142236
Mean 57.86
RMS 55.4
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

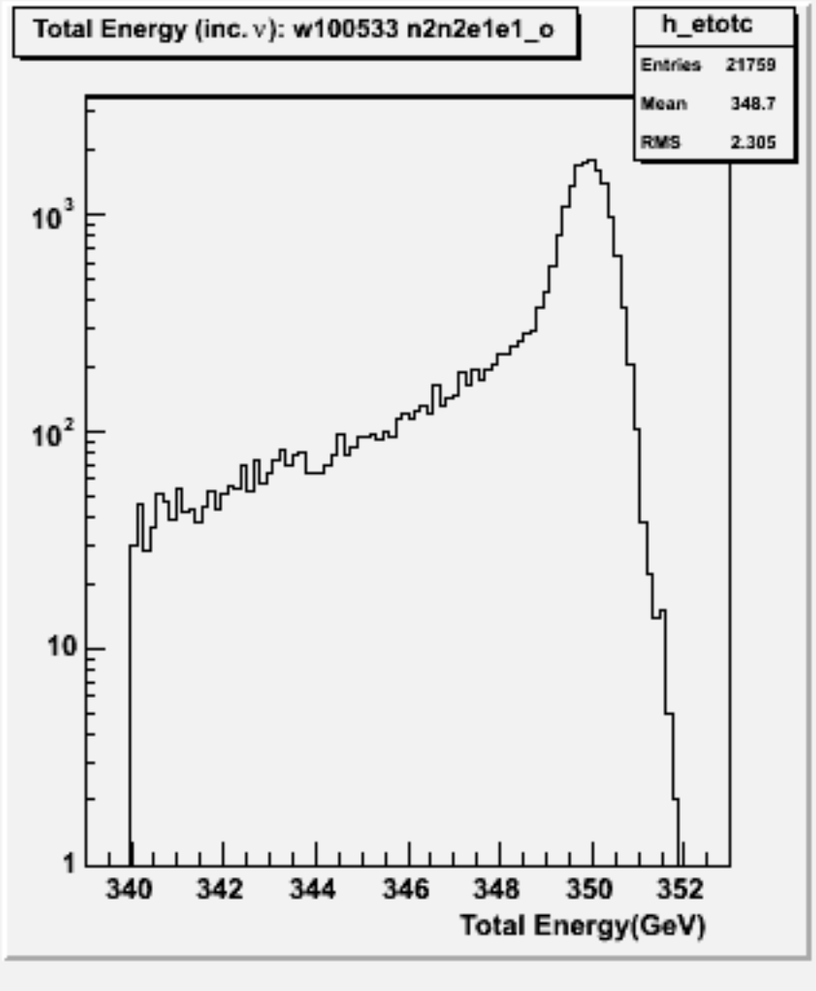

Particle Pt : w100533 n2n2e1e1_o
h_pt
Entries 142236
Mean 24.45
RMS 28.29
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

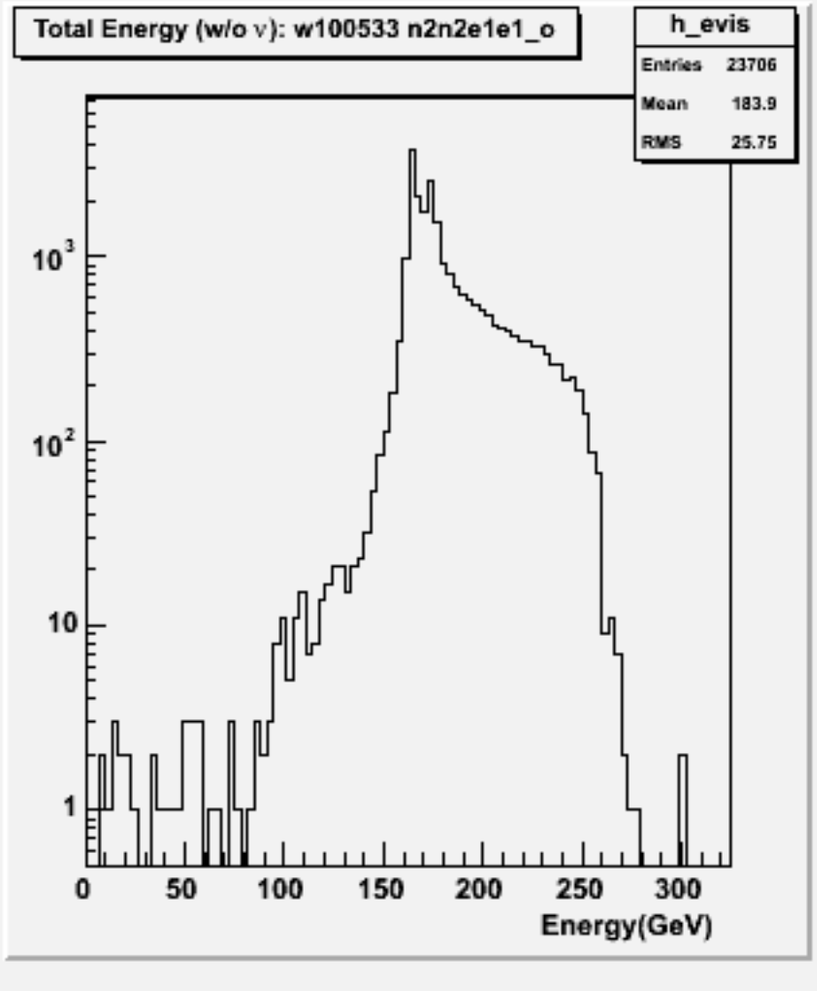

Particle cos θ : w100533 n2n2e1e1_o
h_cs
Entries 142236
Mean 0.03721
RMS 0.8387
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

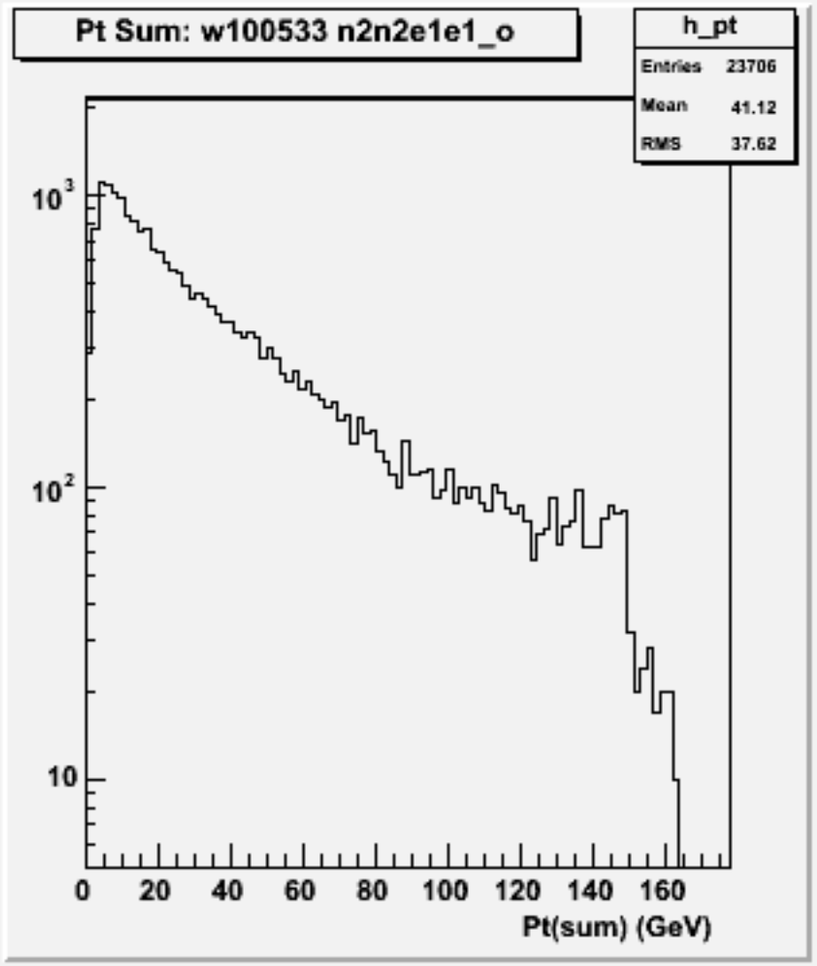

Start point R : w100533 n2n2e1e1_o
h_vr
Entries 142236
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

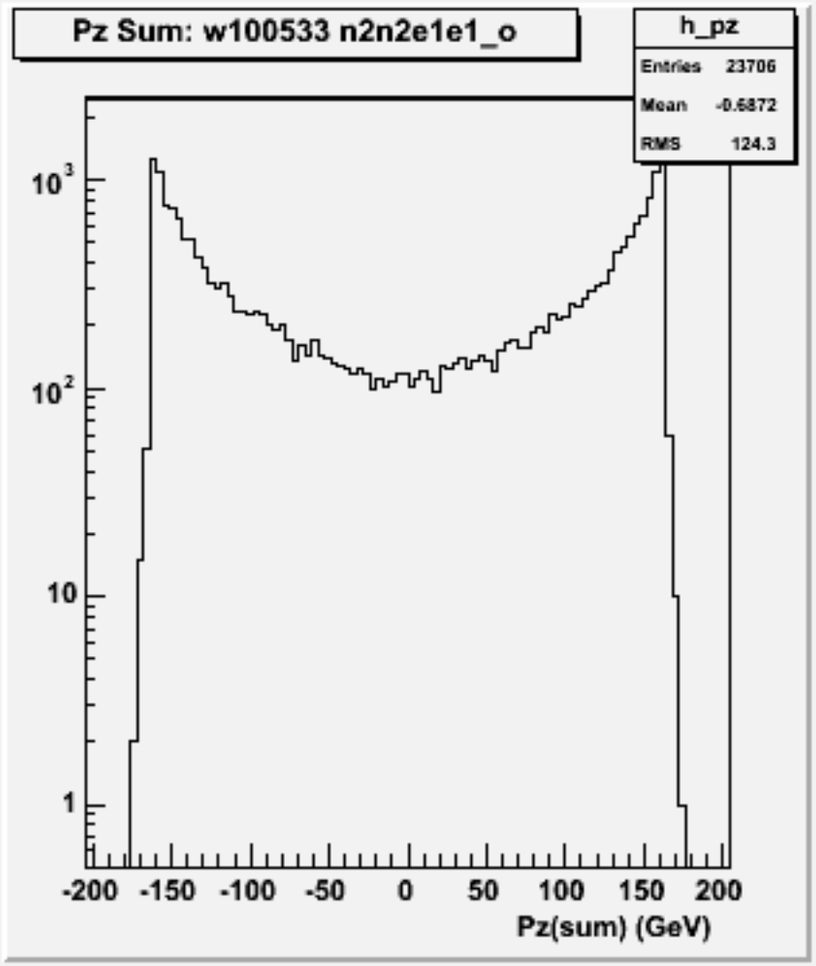

Start point Z : w100533 n2n2e1e1_o
h_vz
Entries 142236
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

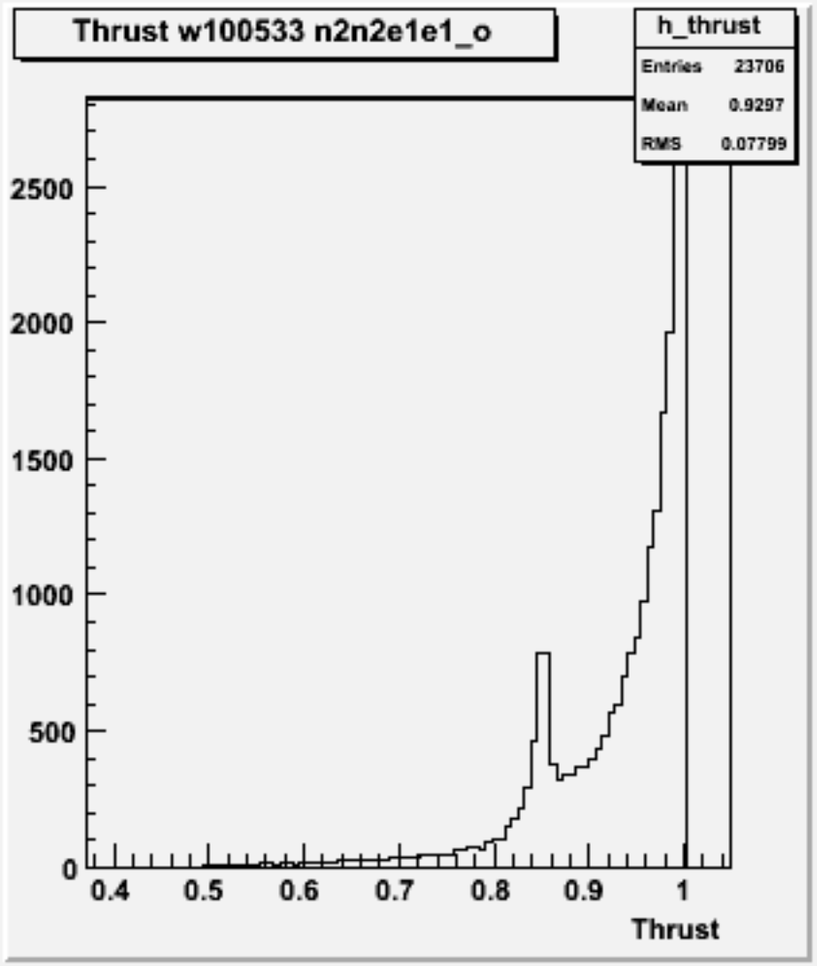

Total Energy (inc. ν): w100533 n2n2e1e1_o
h_etot
Entries 23706
Mean 347.1
RMS 6.673
Total Energy(GeV)

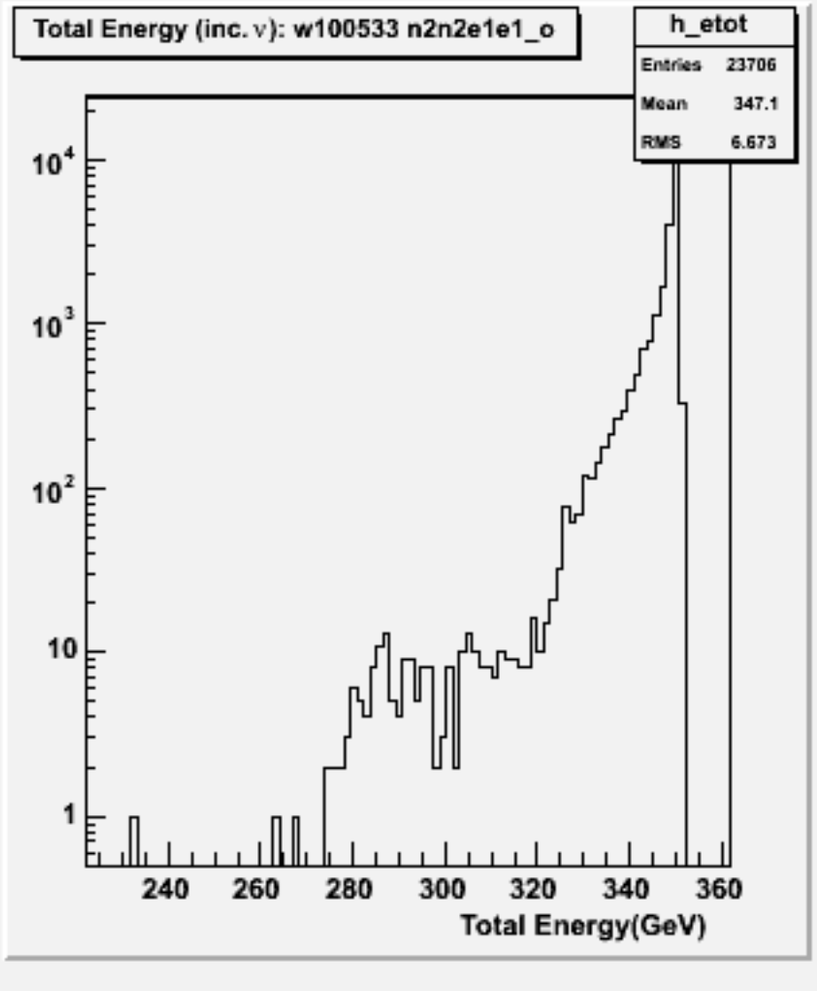

Total Energy (inc. ν): w100533 n2n2e1e1_o
h_etotc
Entries 21759
Mean 348.7
RMS 2.305
Total Energy(GeV)

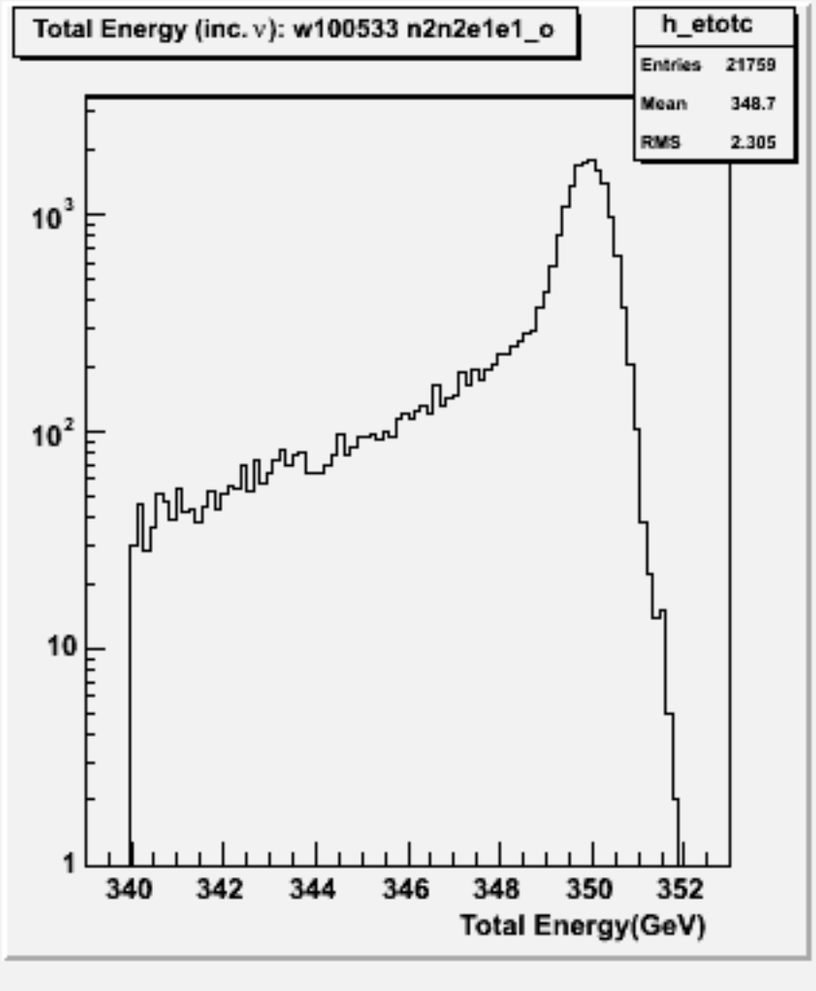

Total Energy (w/o ν): w100533 n2n2e1e1_o
h_evis
Entries 23706
Mean 183.9
RMS 25.75
Energy(GeV)

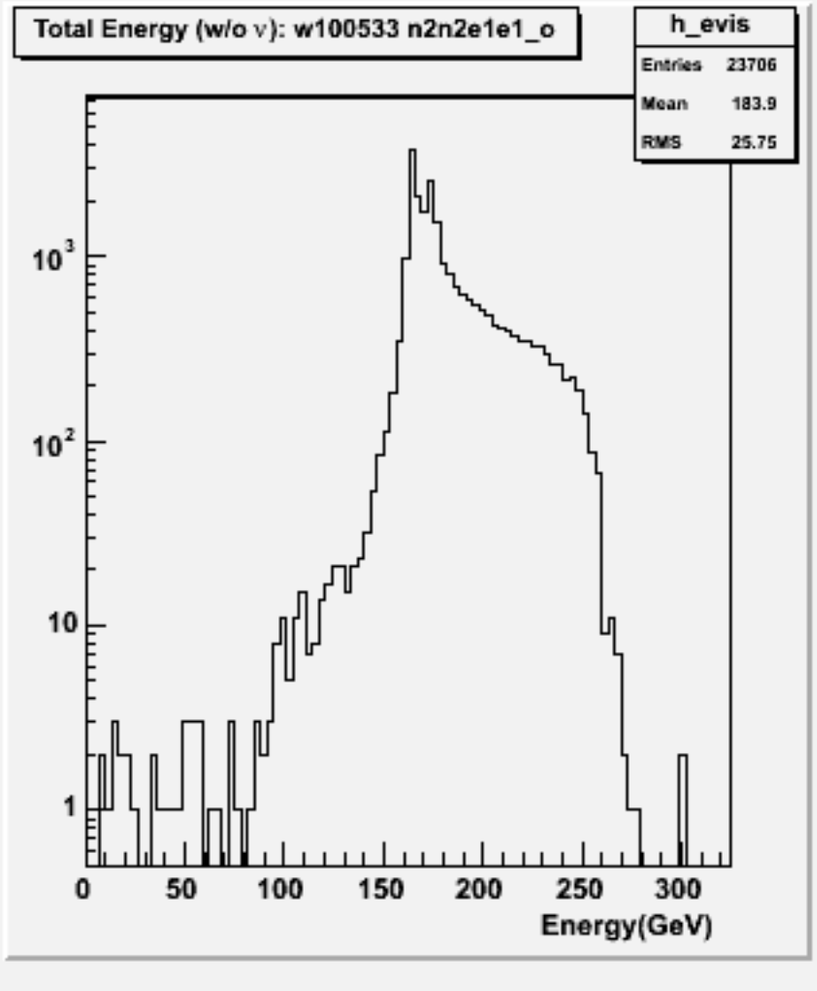

Pt Sum: w100533 n2n2e1e1_o
h_pt
Entries 23706
Mean 41.12
RMS 37.62
Pt(sum) (GeV)

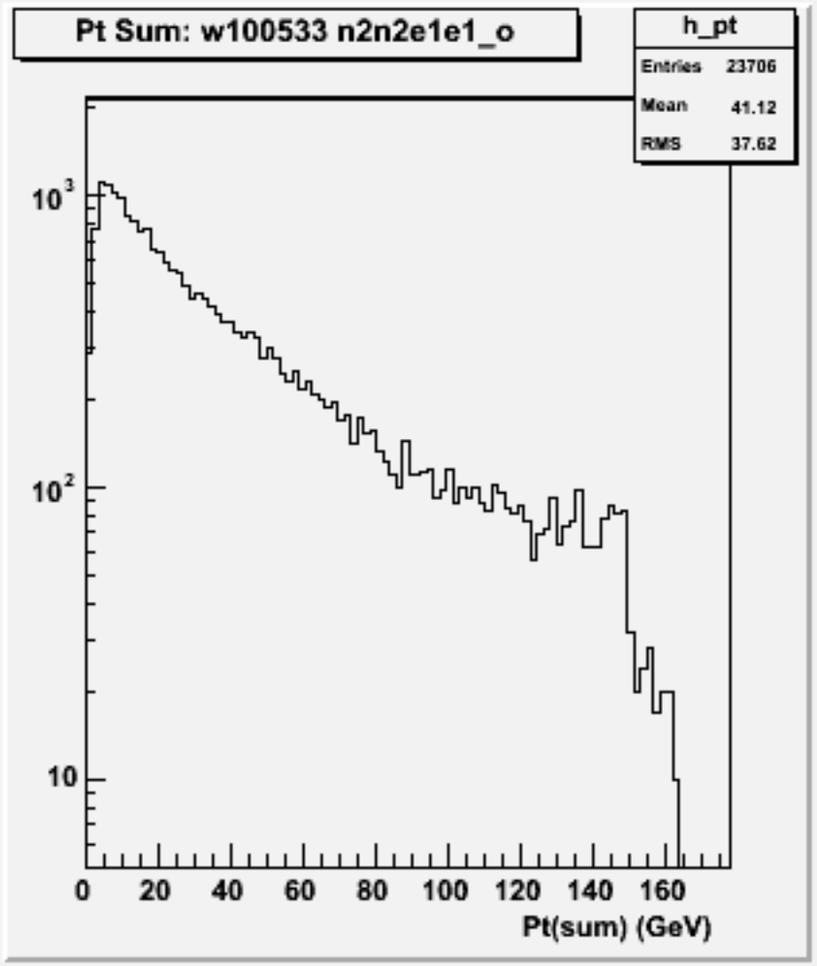

Pz Sum: w100533 n2n2e1e1_o
h_pz
Entries 23706
Mean -0.6872
RMS 124.3
Pz(sum) (GeV)

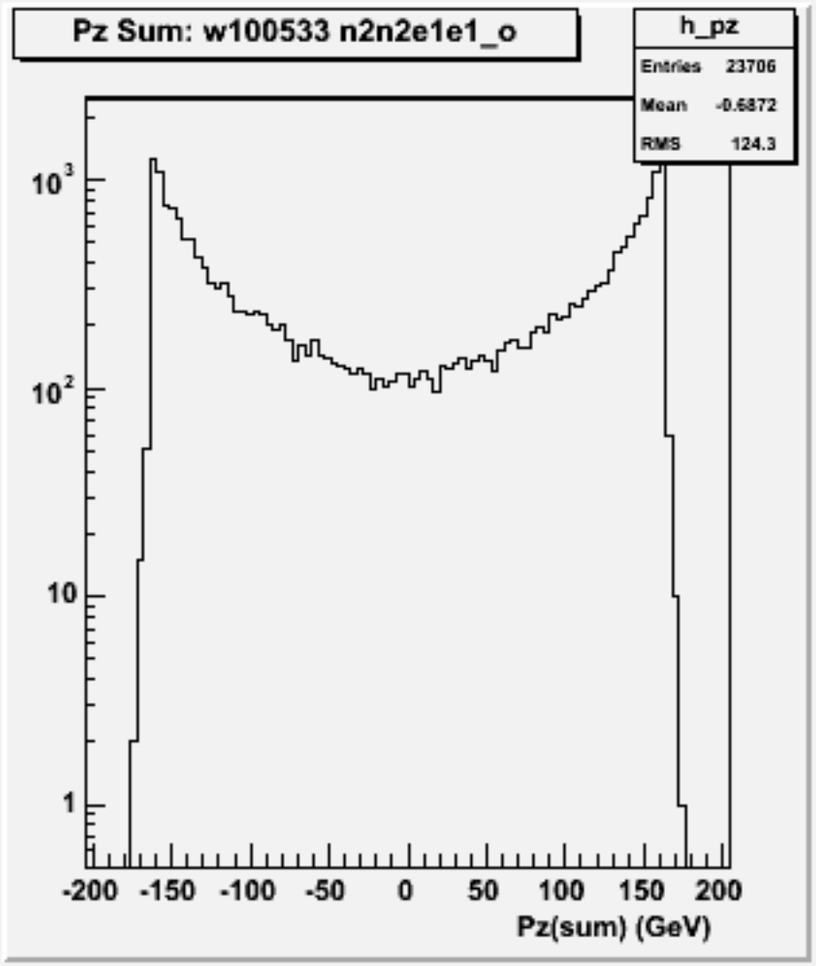

Thrust w100533 n2n2e1e1_o
h_thrust
Entries 23706
Mean 0.9297
RMS 0.07799
Thrust

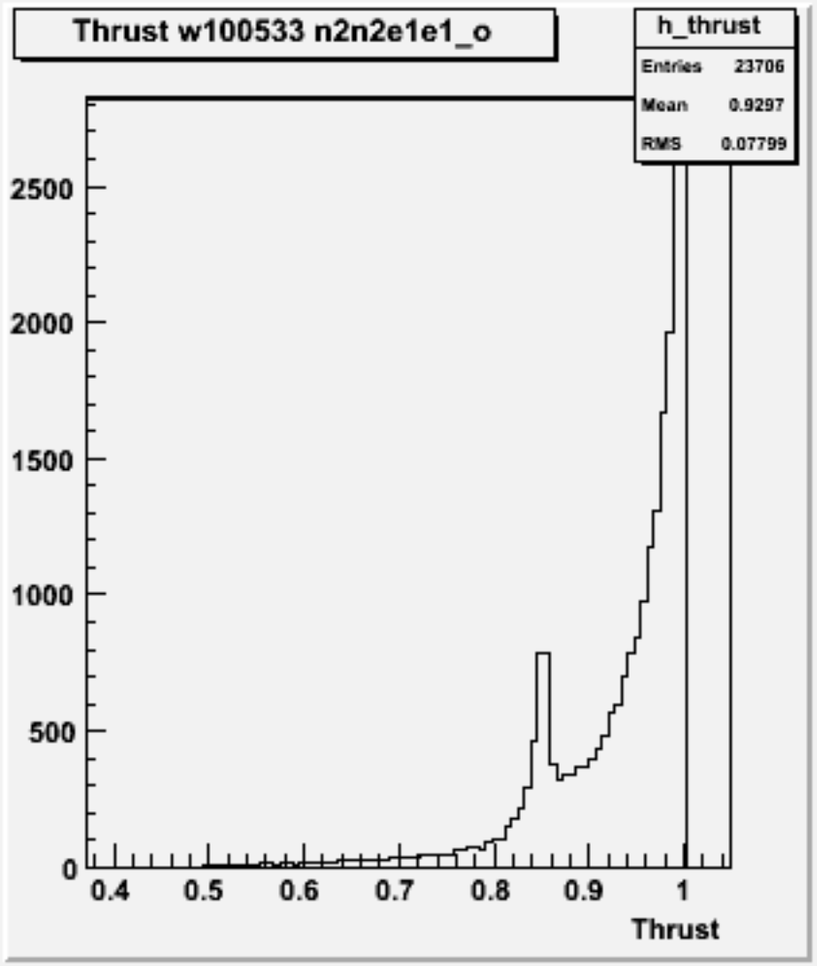

Total Energy (inc. ν): w100533 n2n2e1e1_o
h_etot
Entries 23706
Mean 347.1
RMS 6.673
Total Energy(GeV)

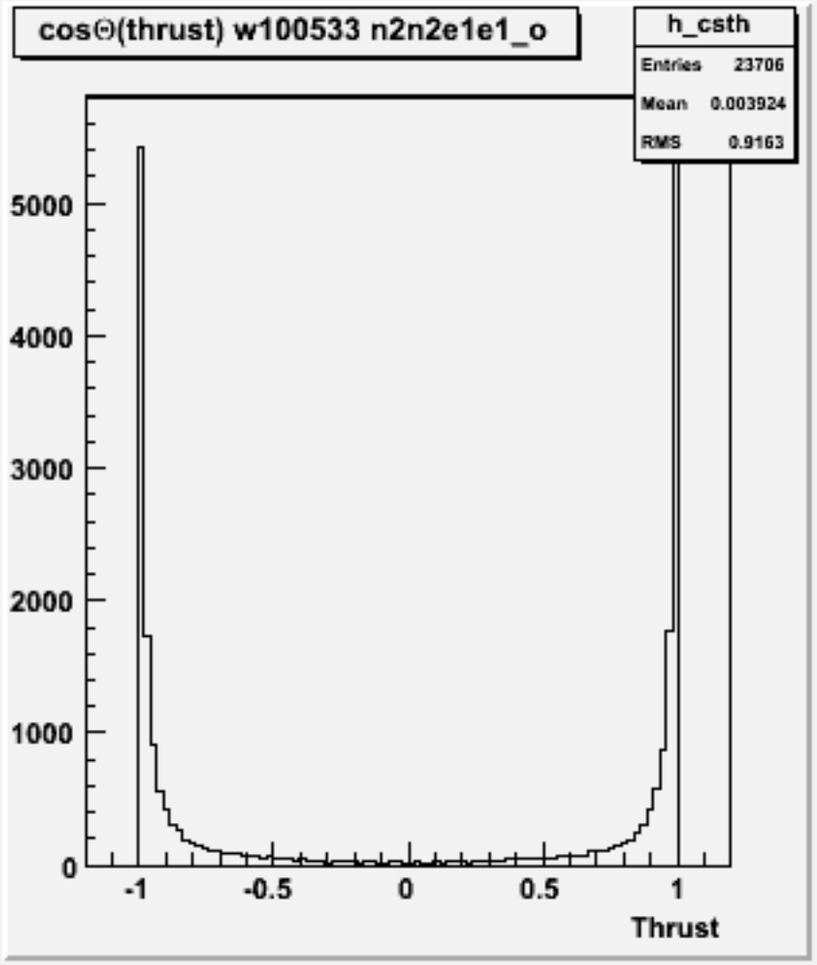

Total Energy (inc. ν): w100533 n2n2e1e1_o
h_etotc
Entries 21759
Mean 348.7
RMS 2.305
Total Energy(GeV)

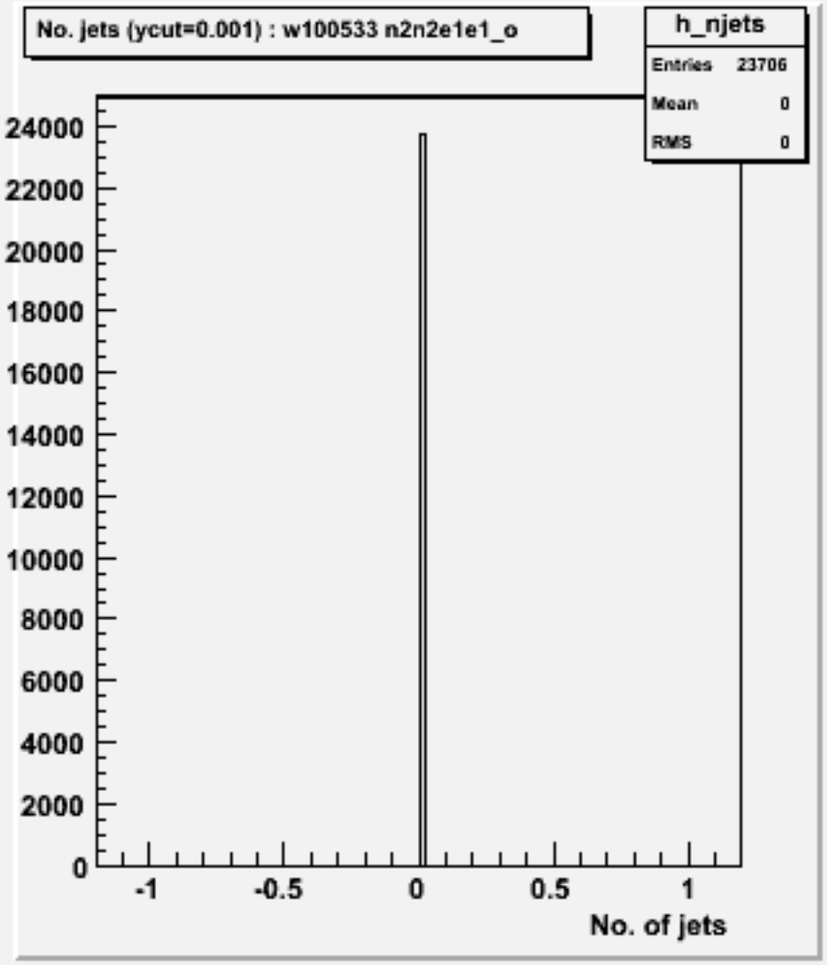

Total Energy (w/o ν): w100533 n2n2e1e1_o
h_evis
Entries 23706
Mean 183.9
RMS 25.75
Energy(GeV)


Pt Sum: w100533 n2n2e1e1_o
h_pt
Entries 23706
Mean 41.12
RMS 37.62
Pt(sum) (GeV)


Pz Sum: w100533 n2n2e1e1_o
h_pz
Entries 23706
Mean -0.6872
RMS 124.3
Pz(sum) (GeV)


Thrust w100533 n2n2e1e1_o
h_thrust
Entries 23706
Mean 0.9297
RMS 0.07799
Thrust

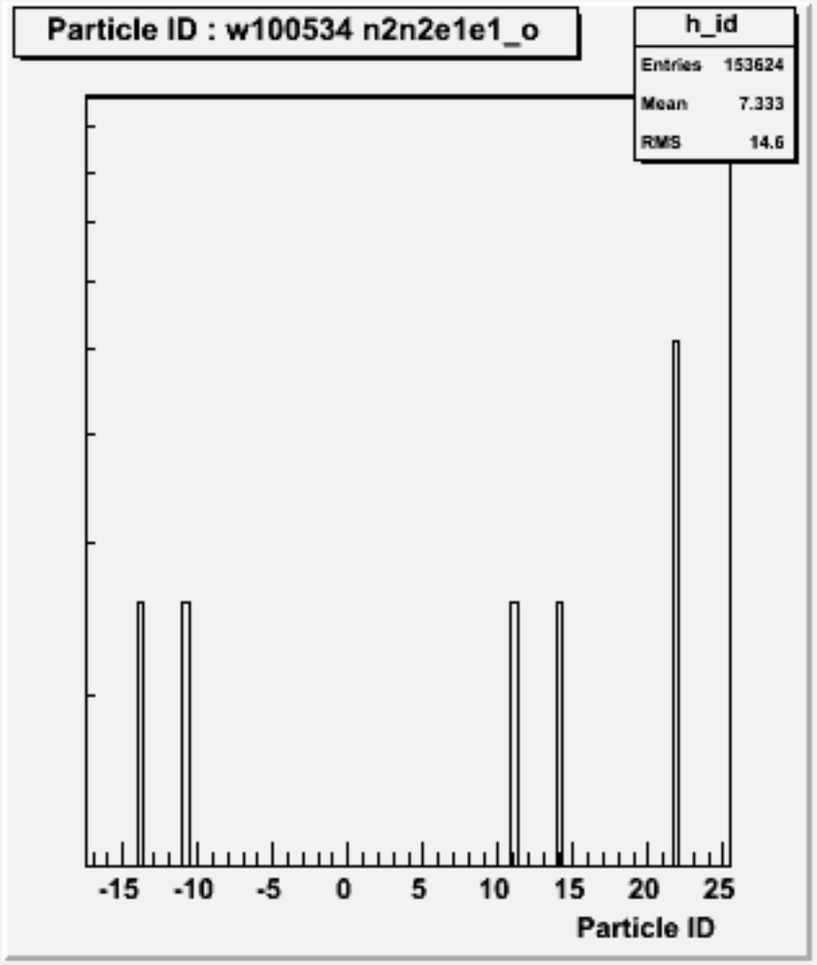


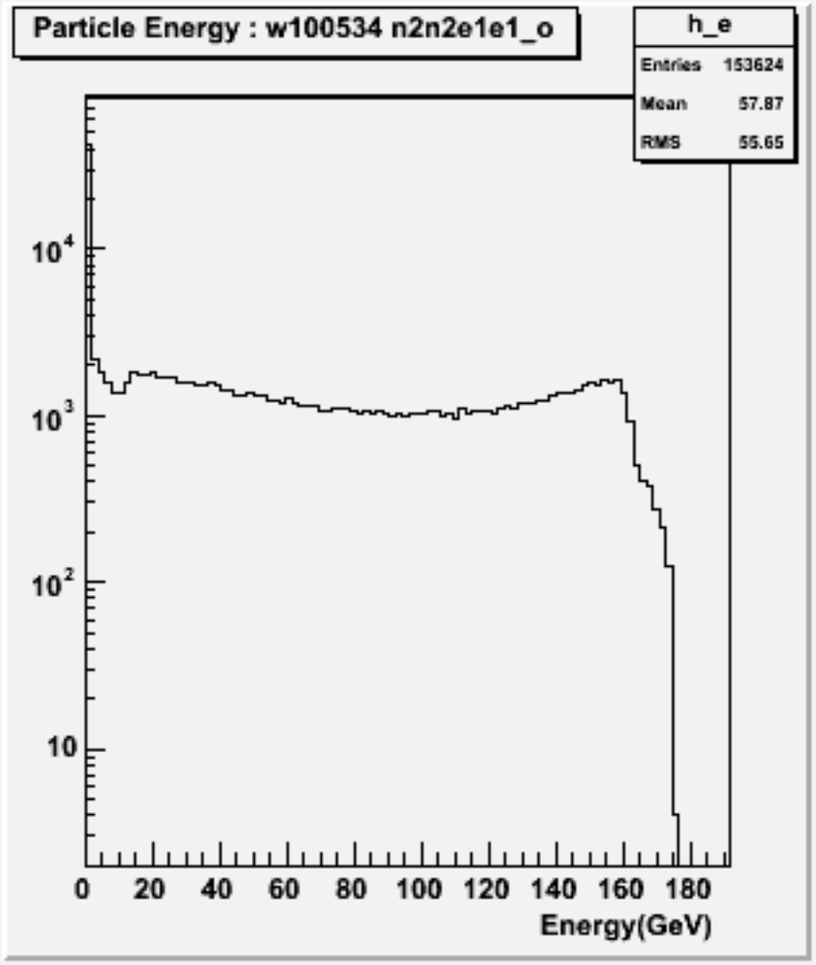


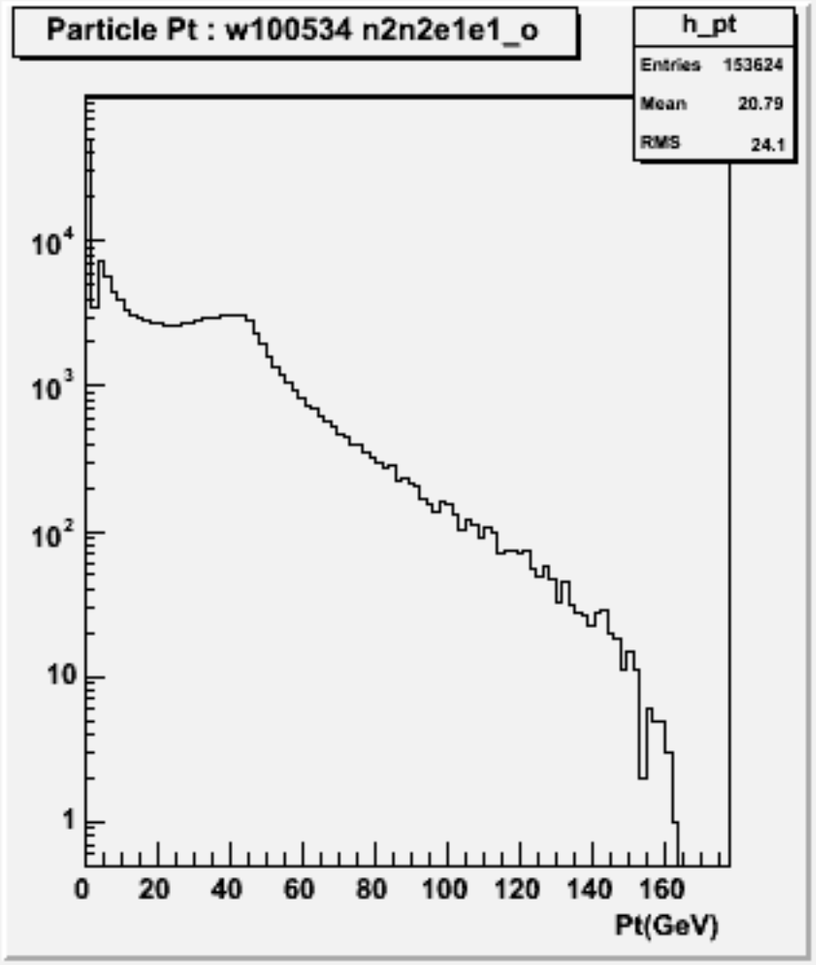
w100533 n2n2e1e1_o

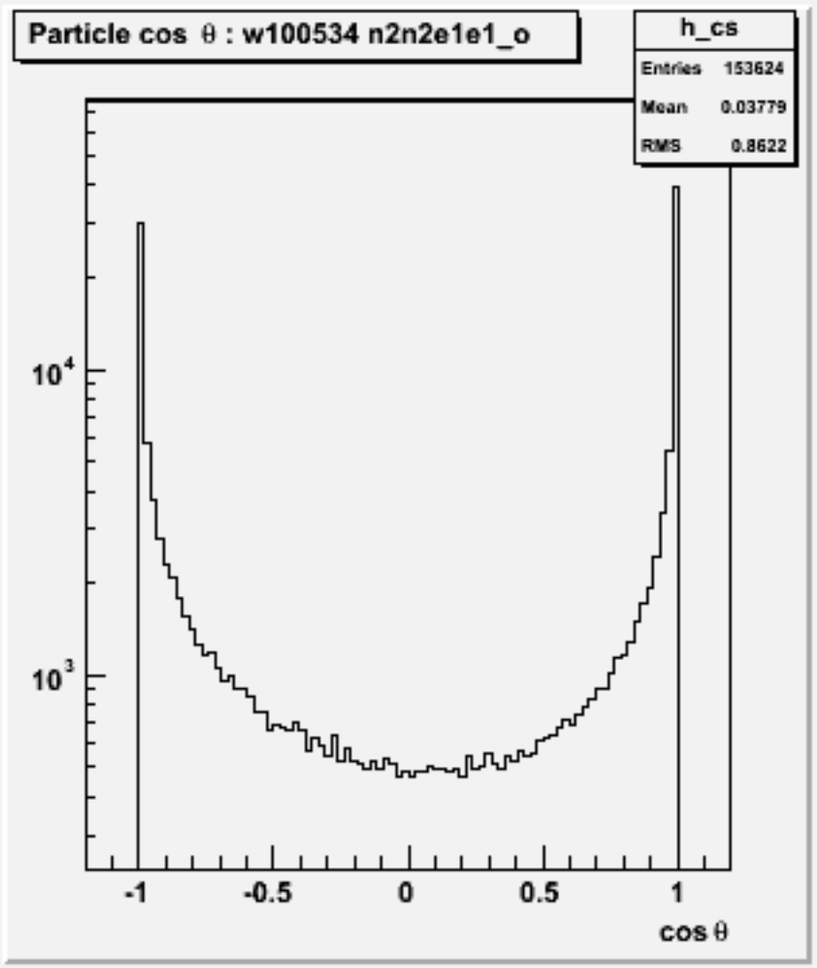
: There are no 2-jets

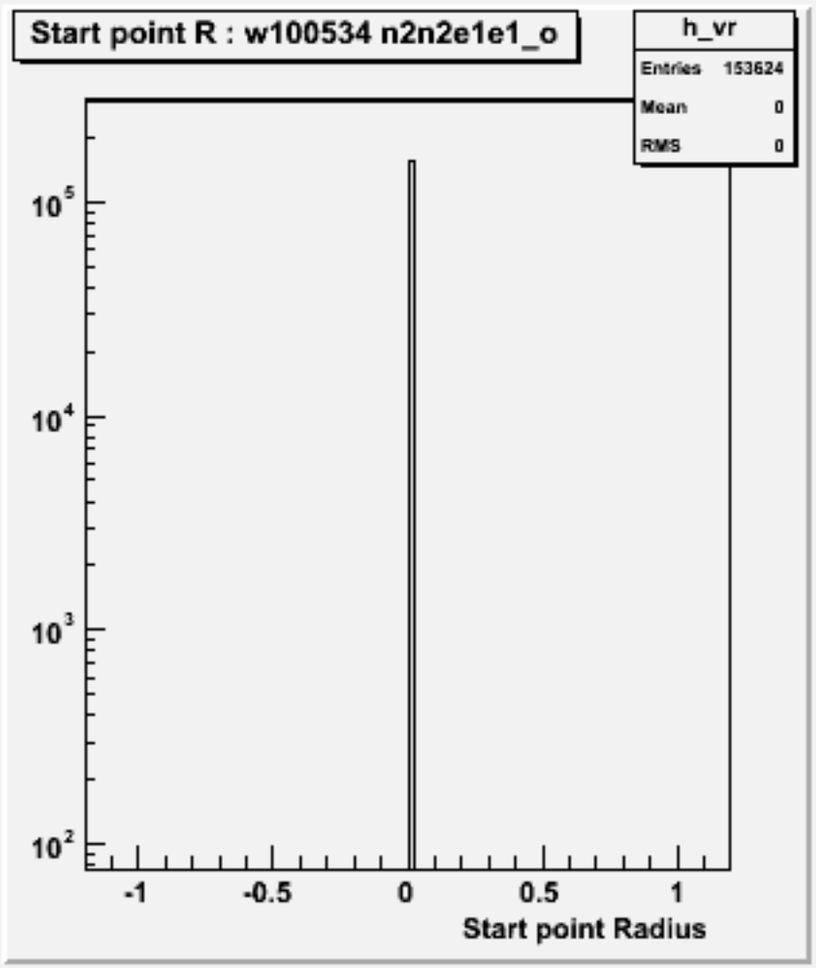
w100533 n2n2e1e1_o : There are no 4-jets

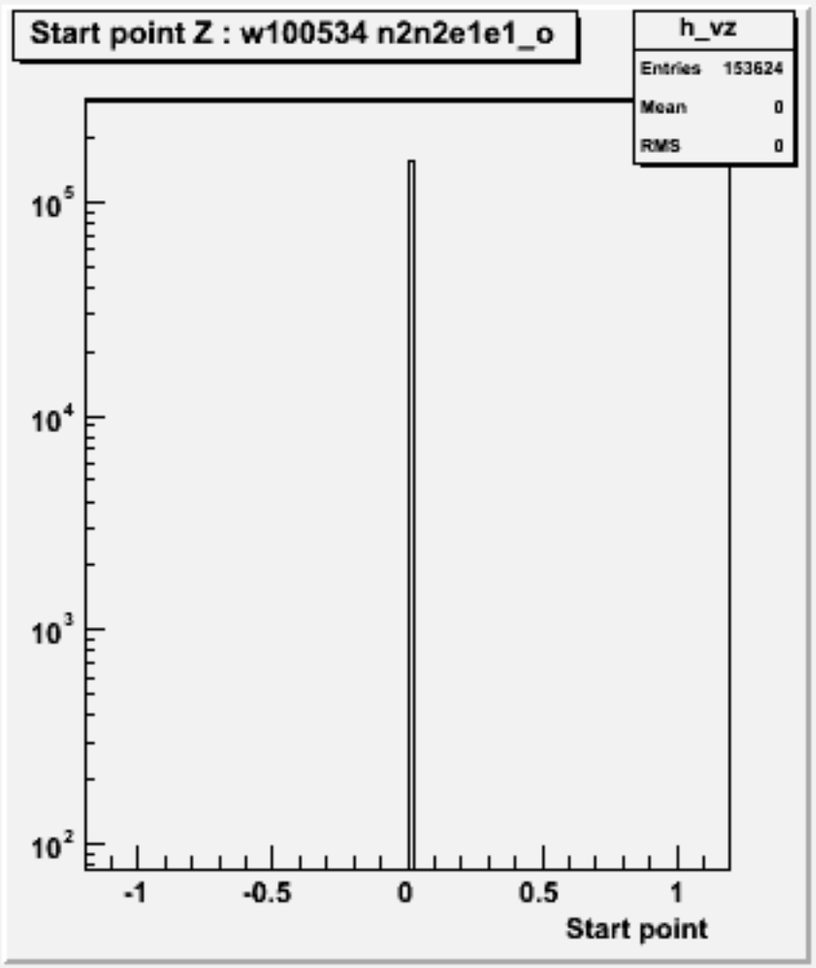

Particle ID : w100534 n2n2e1e1_o
h_id
Entries 153624
Mean 7.333
RMS 14.6
-15 -10 -5 0 5 10 15 20 25
Particle ID

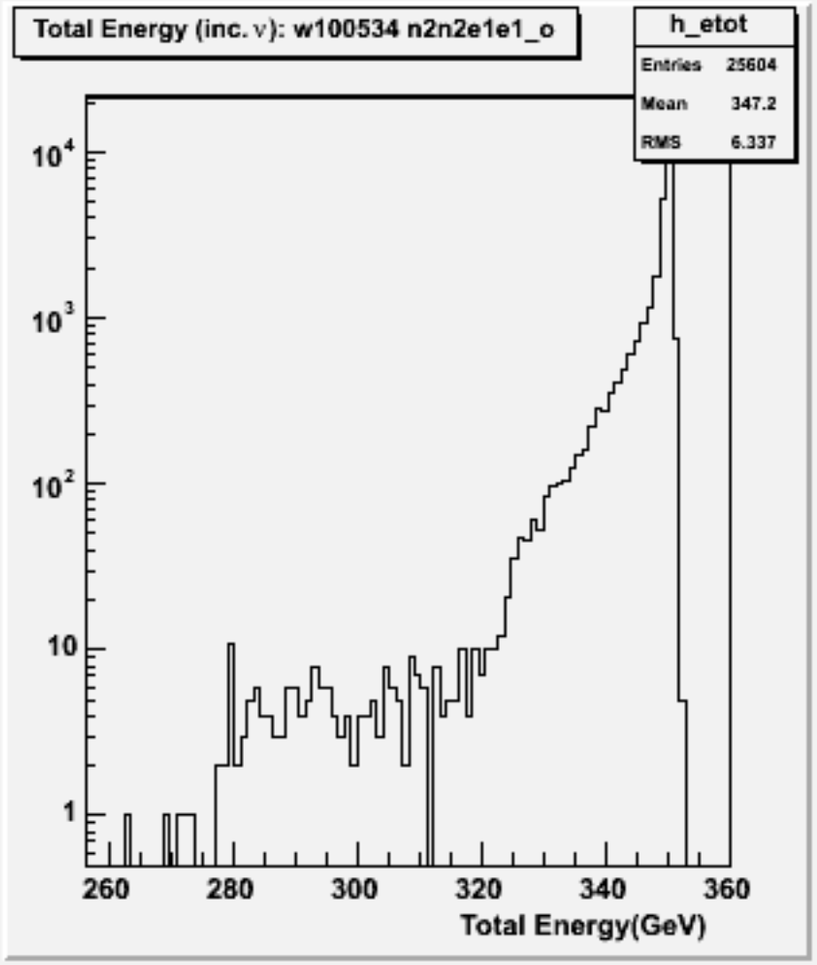

Particle Energy : w100534 n2n2e1e1_o
h_e
Entries 153624
Mean 57.87
RMS 55.65
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

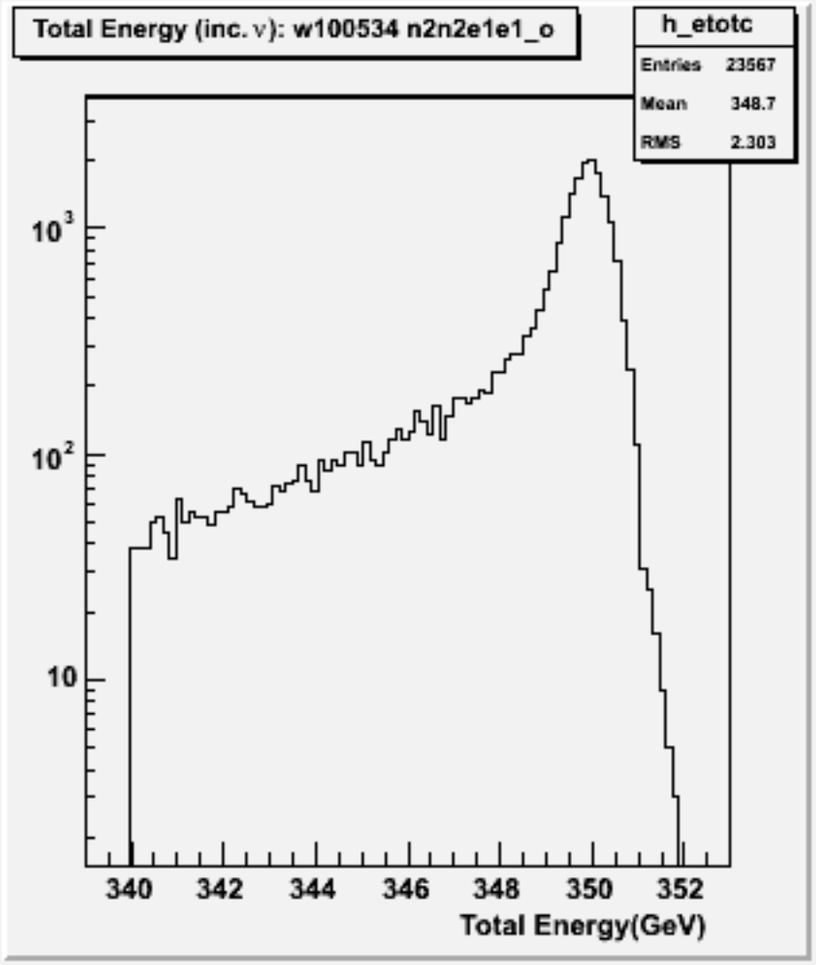

Particle Pt : w100534 n2n2e1e1_o
h_pt
Entries 153624
Mean 20.79
RMS 24.1
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160
Pt(GeV)

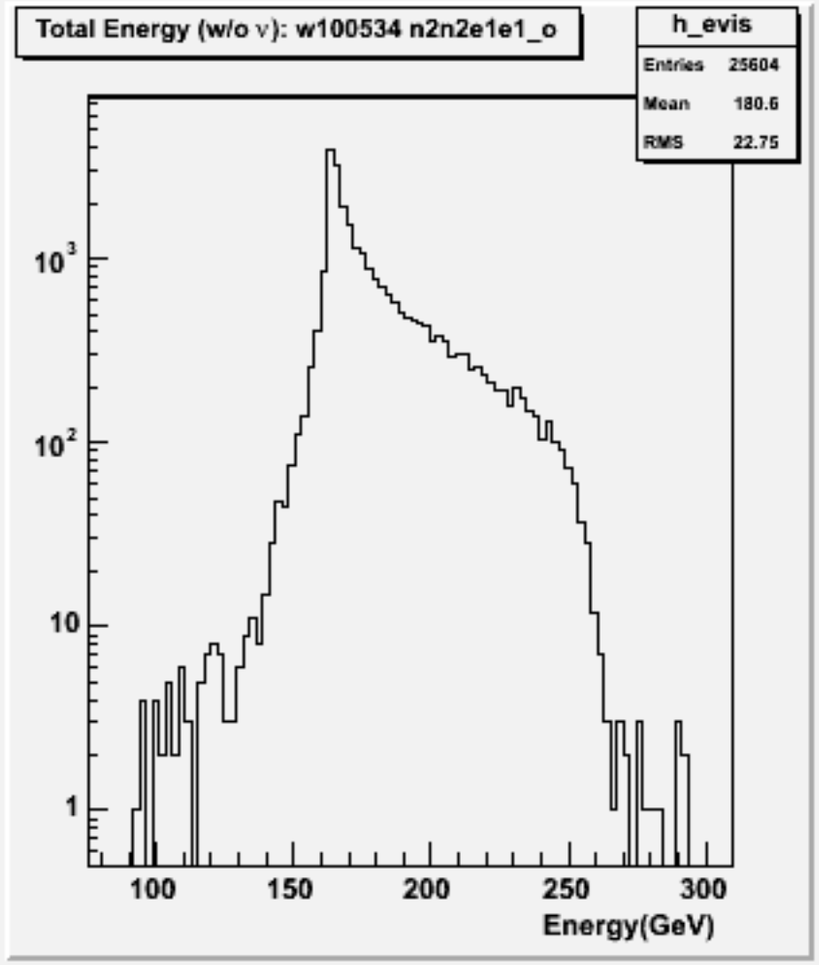

Particle cos θ : w100534 n2n2e1e1_o
h_cs
Entries 153624
Mean 0.03779
RMS 0.8622
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

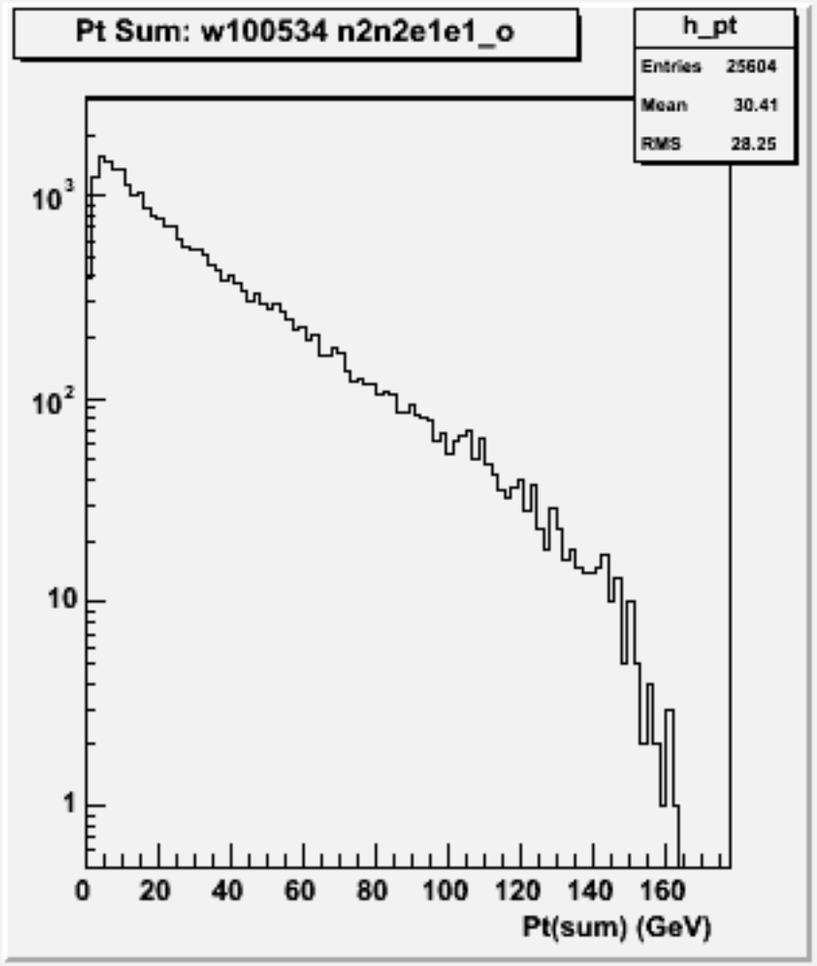

Start point R : w100534 n2n2e1e1_o
h_vr
Entries 153624
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

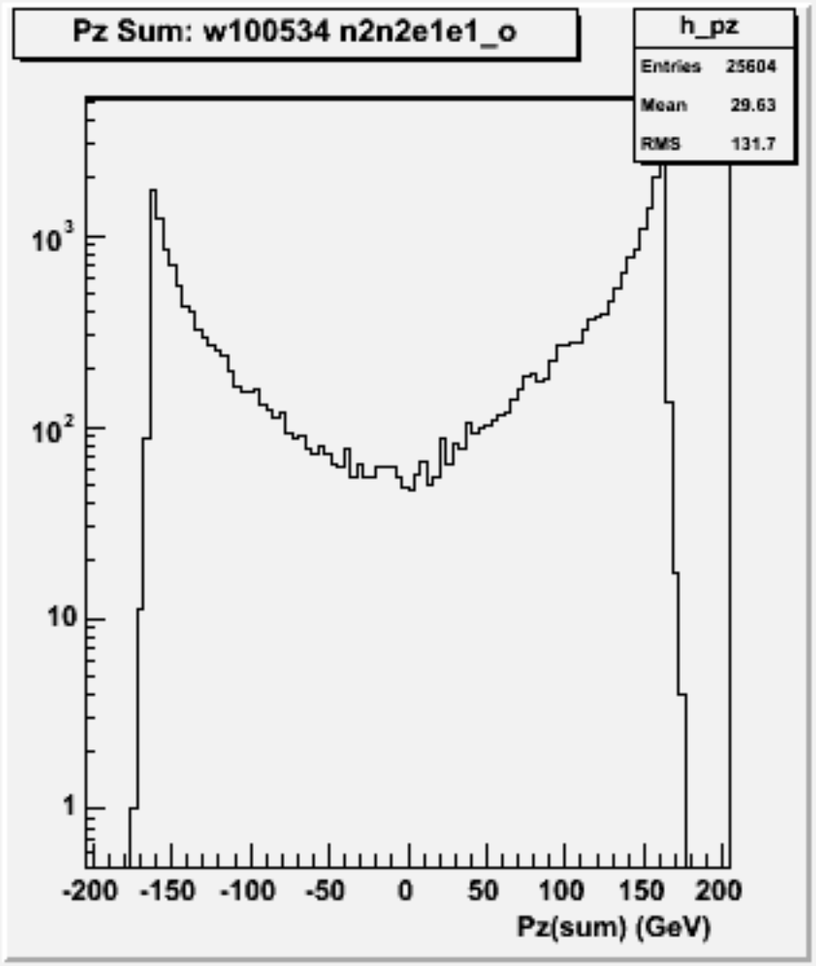

Start point Z : w100534 n2n2e1e1_o
h_vz
Entries 153624
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

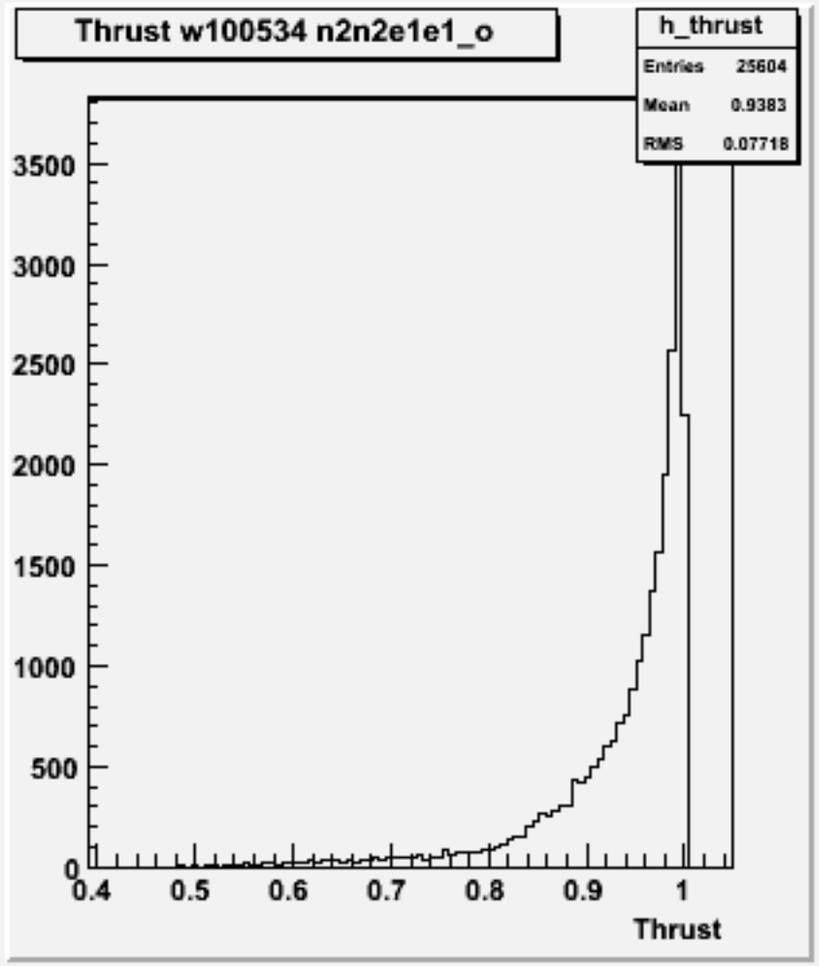

Total Energy (inc. ν): w100534 n2n2e1e1_o
h_etot
Entries 25604
Mean 347.2
RMS 6.337
Total Energy(GeV)

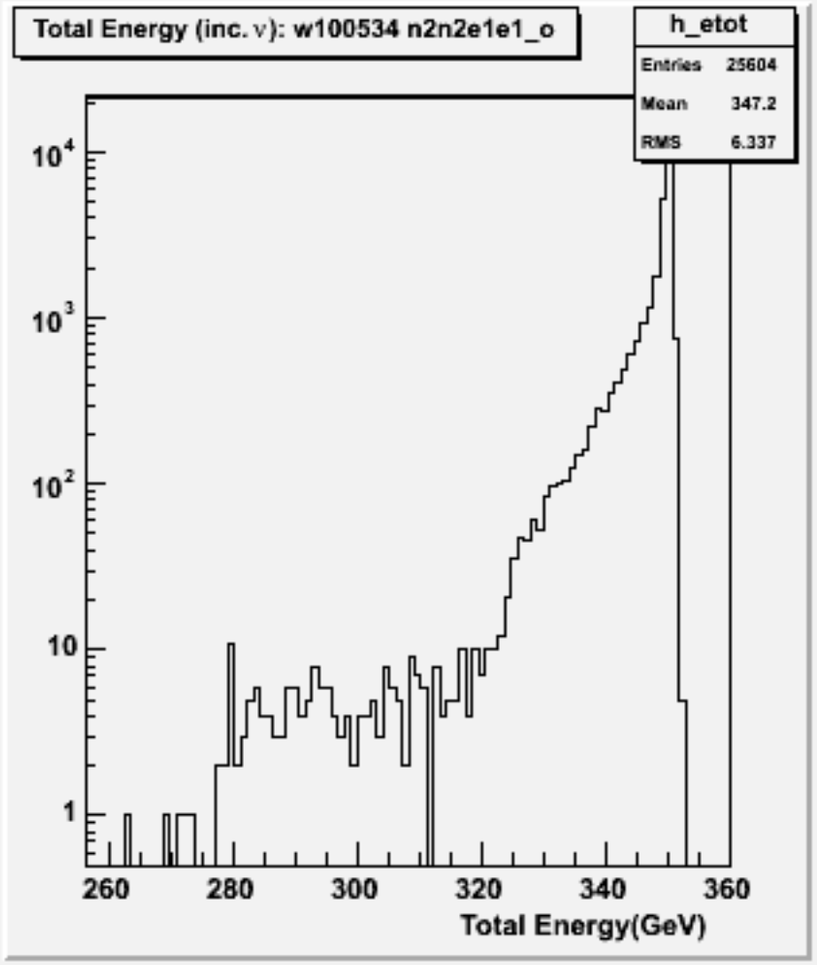

Total Energy (inc. ν): w100534 n2n2e1e1_o
h_etotc
Entries 23567
Mean 348.7
RMS 2.303
Total Energy(GeV)

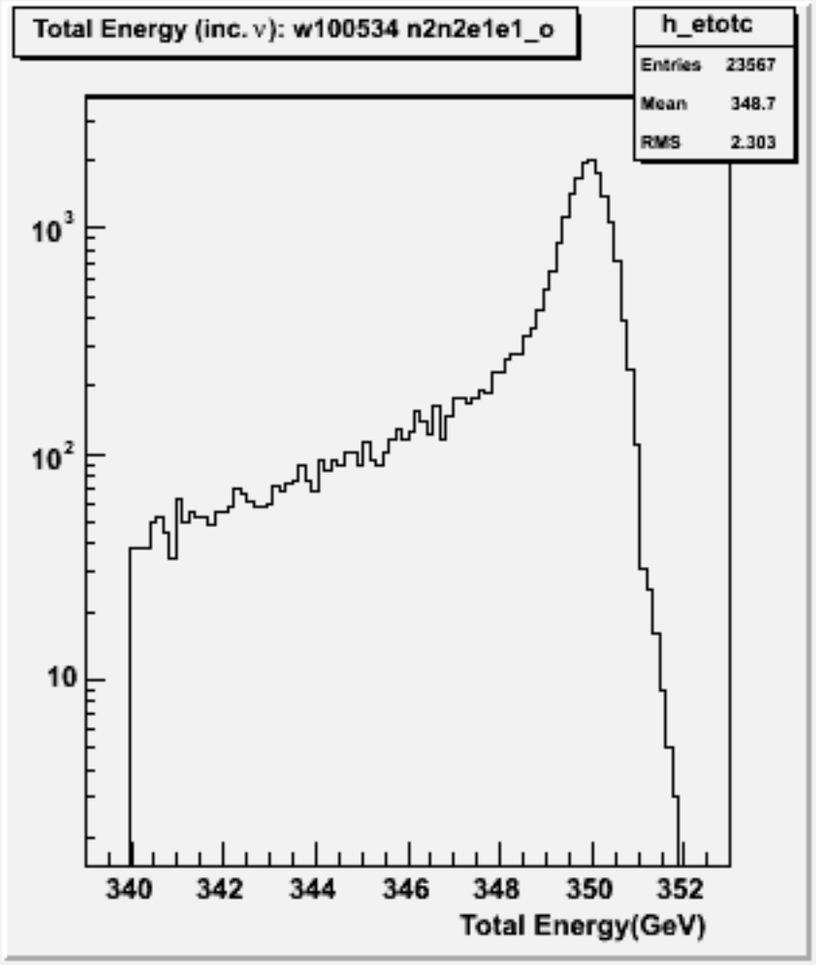

Total Energy (w/o ν): w100534 n2n2e1e1_o
h_evis
Entries 25604
Mean 180.6
RMS 22.75
Energy(GeV)

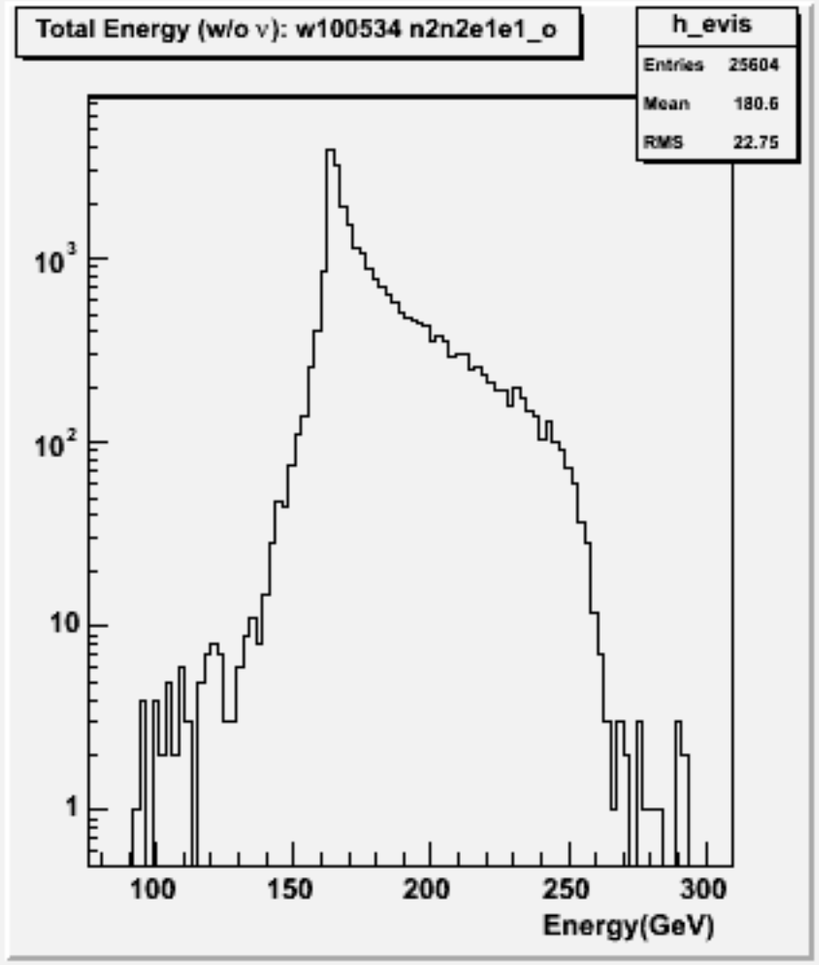

Pt Sum: w100534 n2n2e1e1_o
h_pt
Entries 25604
Mean 30.41
RMS 28.25
Pt(sum) (GeV)

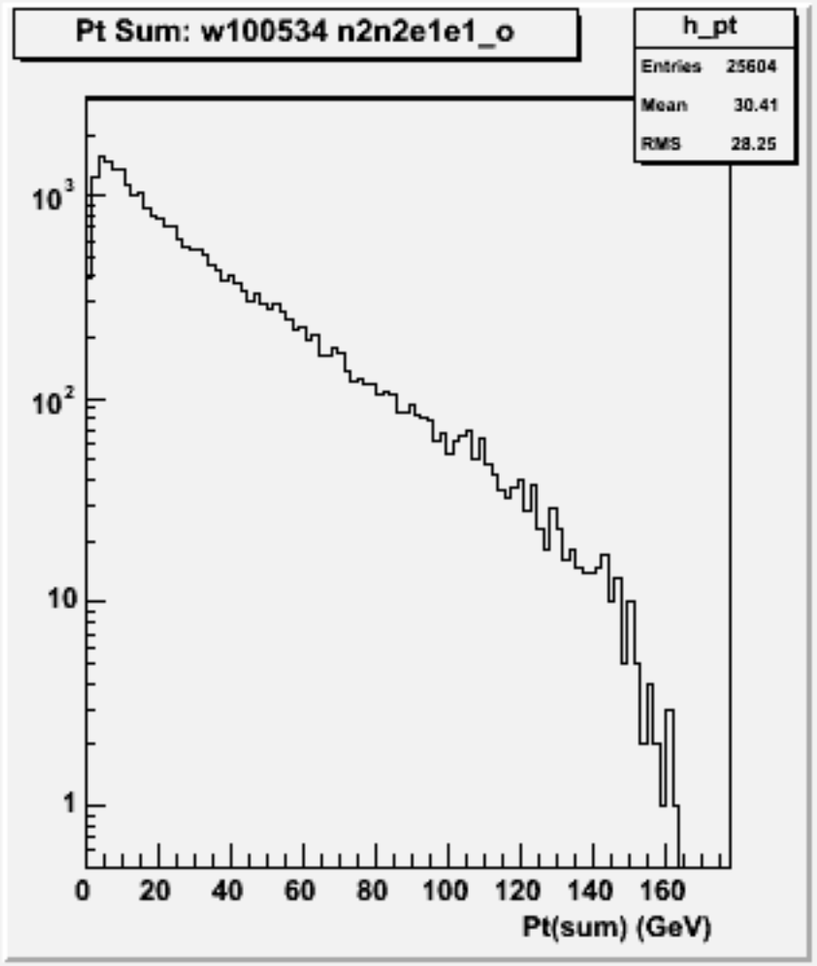

Pz Sum: w100534 n2n2e1e1_o
h_pz
Entries 25604
Mean 29.63
RMS 131.7
Pz(sum) (GeV)

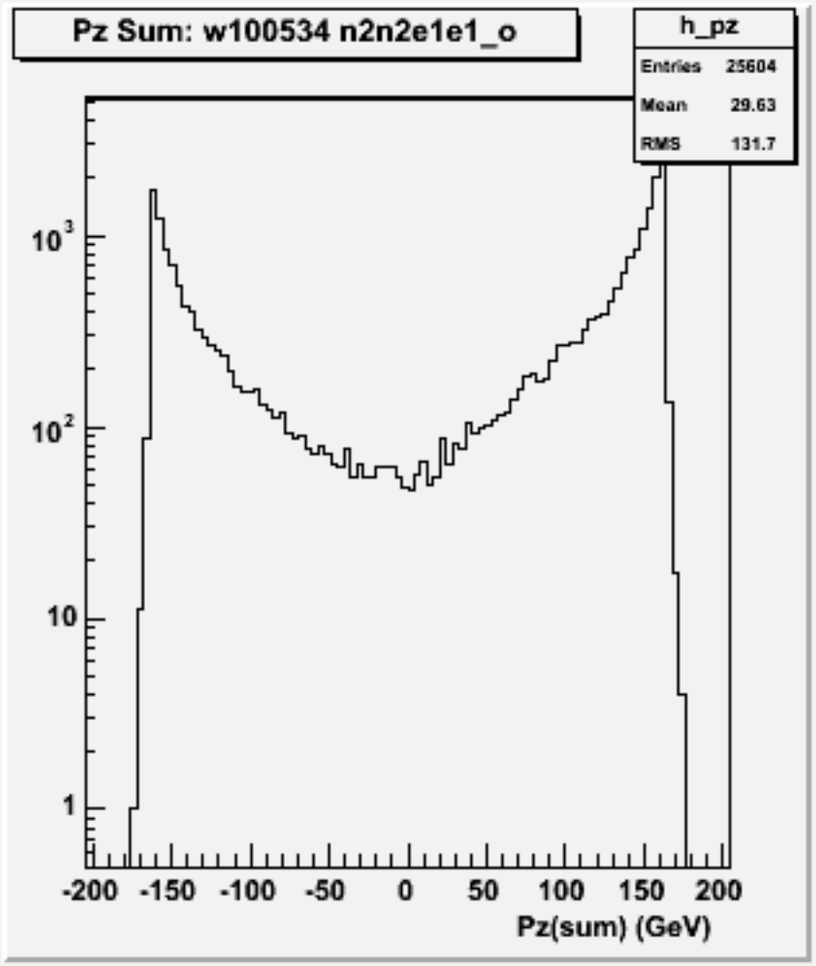

Thrust w100534 n2n2e1e1_o
h_thrust
Entries 25604
Mean 0.9383
RMS 0.07718
Thrust

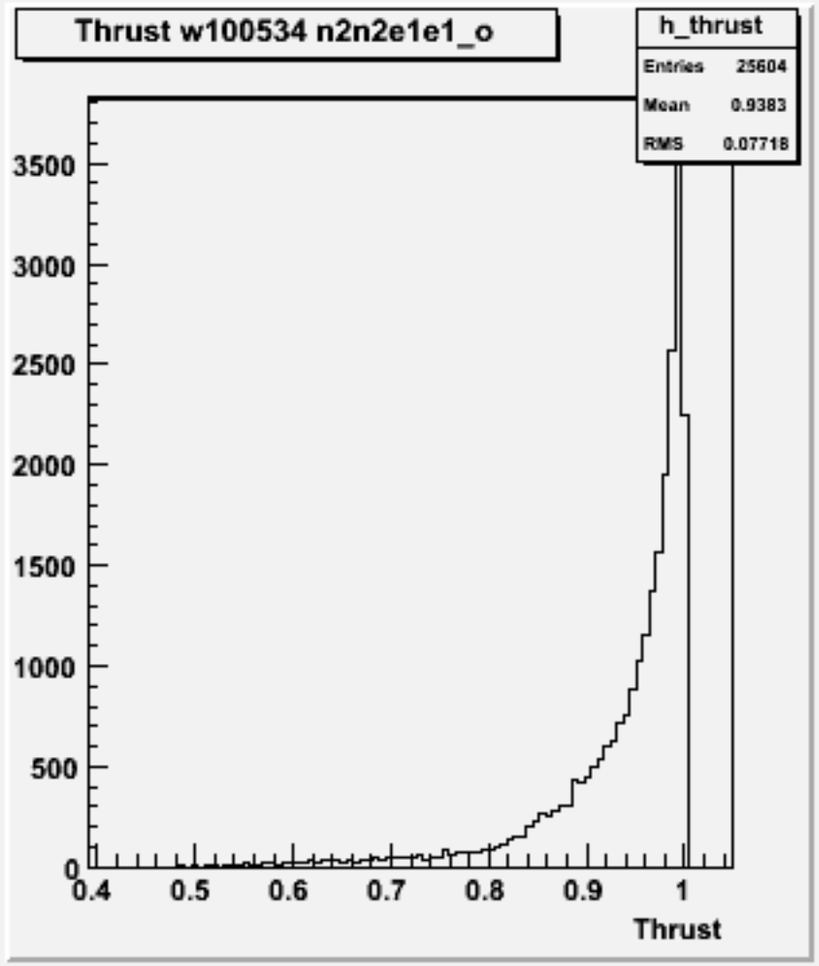

Total Energy (inc. ν): w100534 n2n2e1e1_o
h_etot
Entries 25604
Mean 347.2
RMS 6.337
Total Energy(GeV)

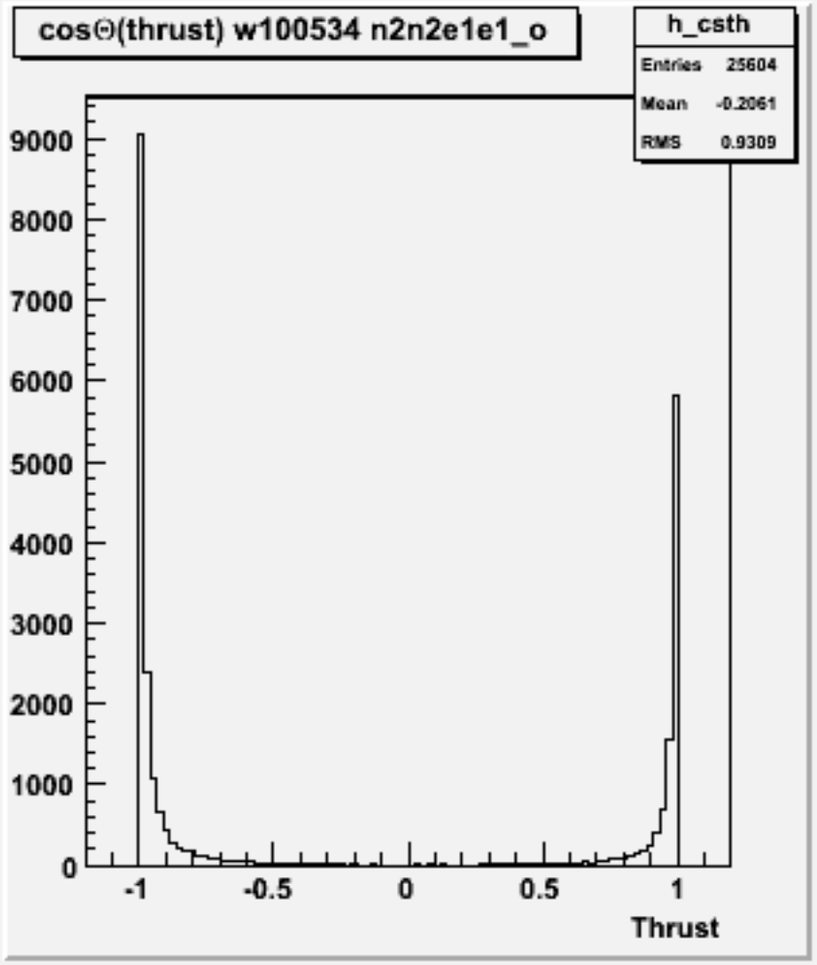

Total Energy (inc. ν): w100534 n2n2e1e1_o
h_etotc
Entries 23567
Mean 348.7
RMS 2.303
Total Energy(GeV)

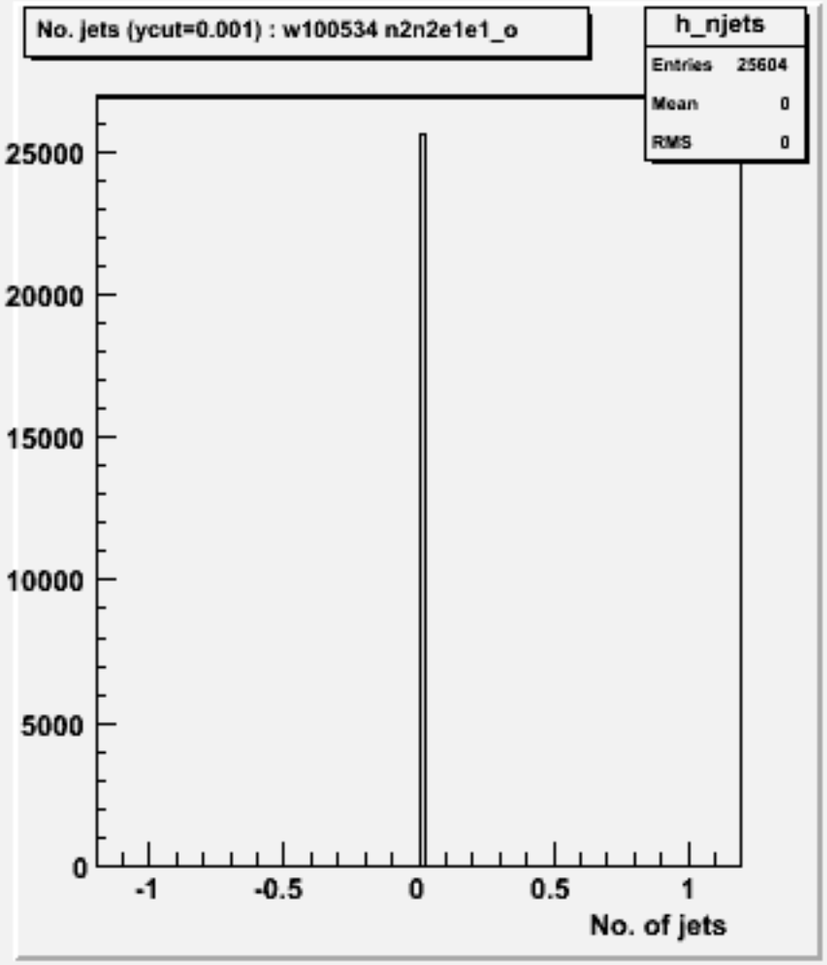

Total Energy (w/o ν): w100534 n2n2e1e1_o
h_evis
Entries 25604
Mean 180.6
RMS 22.75
Energy(GeV)


Pt Sum: w100534 n2n2e1e1_o
h_pt
Entries 25604
Mean 30.41
RMS 28.25
Pt(sum) (GeV)


Pz Sum: w100534 n2n2e1e1_o
h_pz
Entries 25604
Mean 29.63
RMS 131.7
Pz(sum) (GeV)


Thrust w100534 n2n2e1e1_o
h_thrust
Entries 25604
Mean 0.9383
RMS 0.07718
Thrust

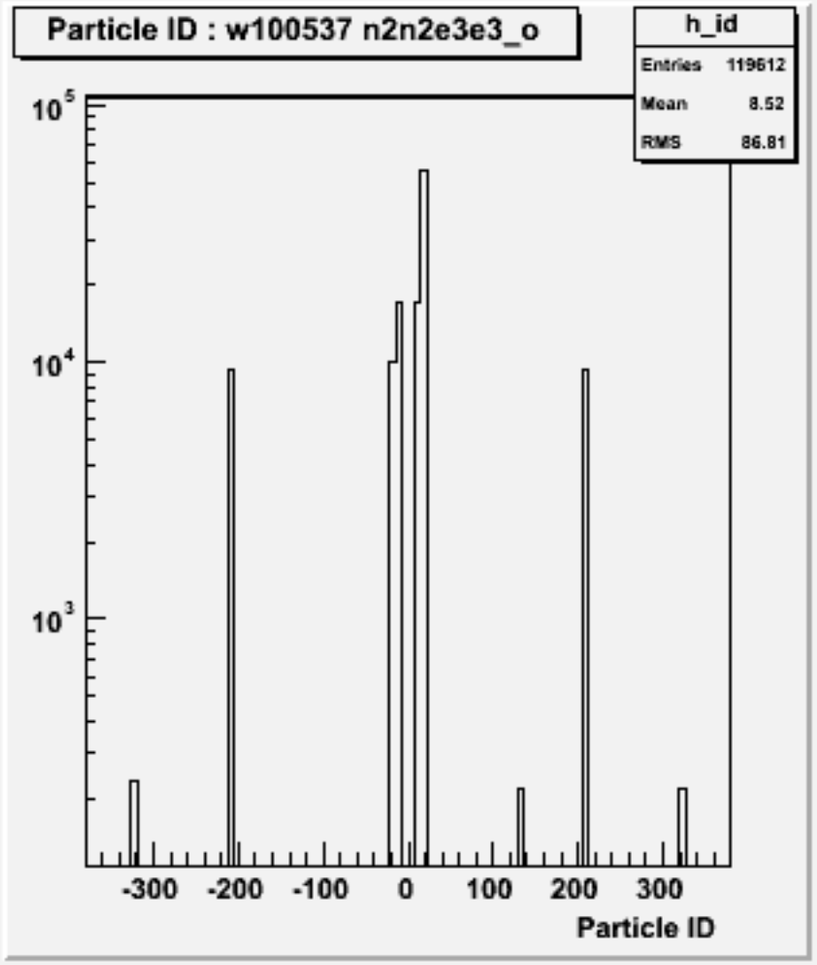


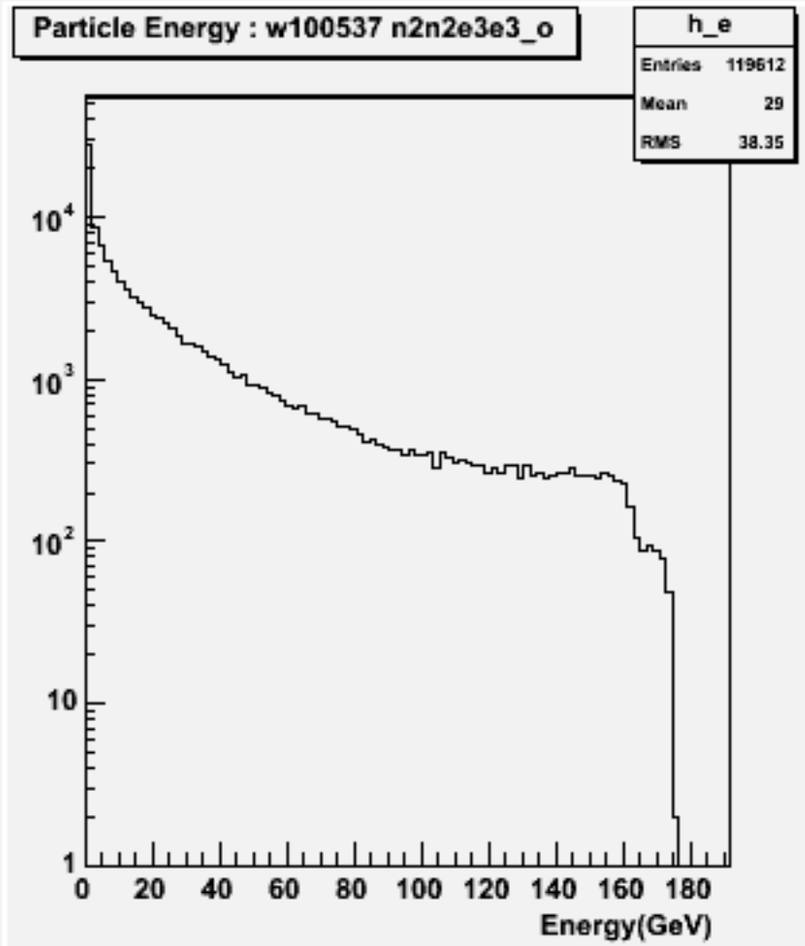


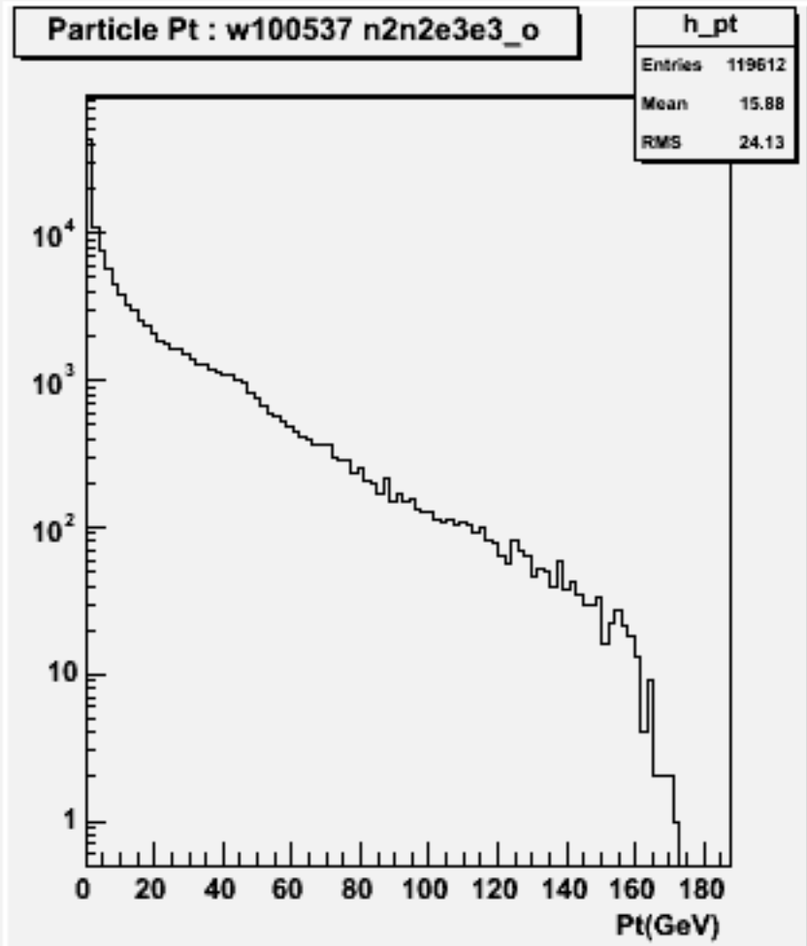
w100534 n2n2e1e1_o

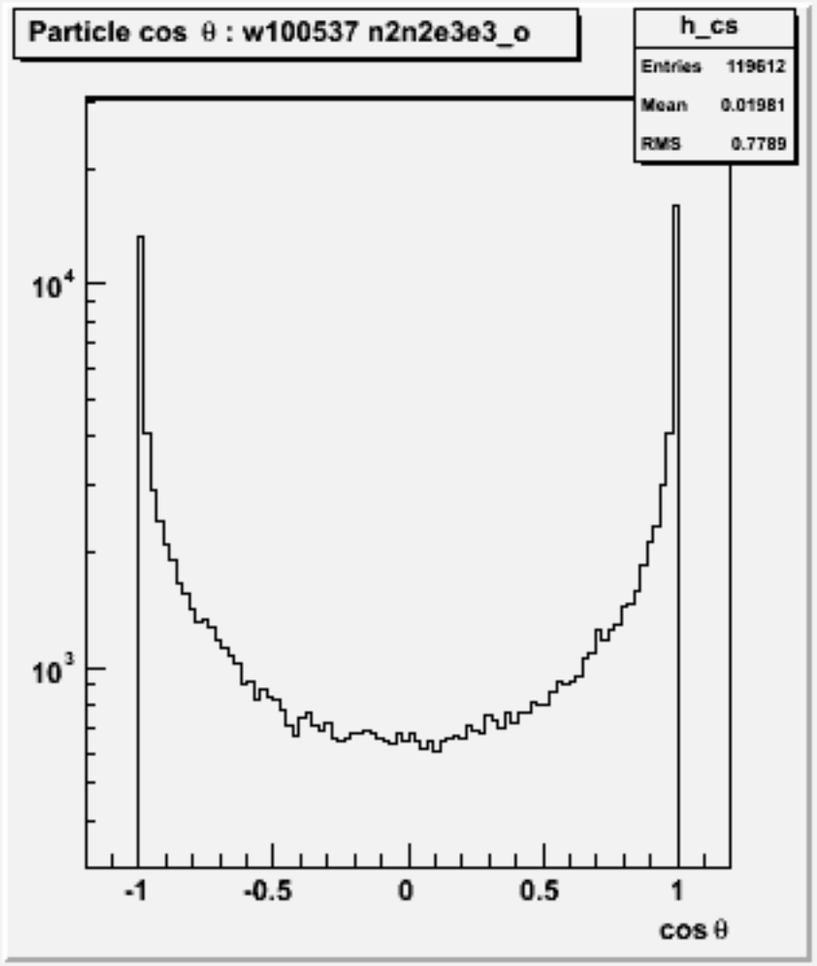
: There are no 2-jets

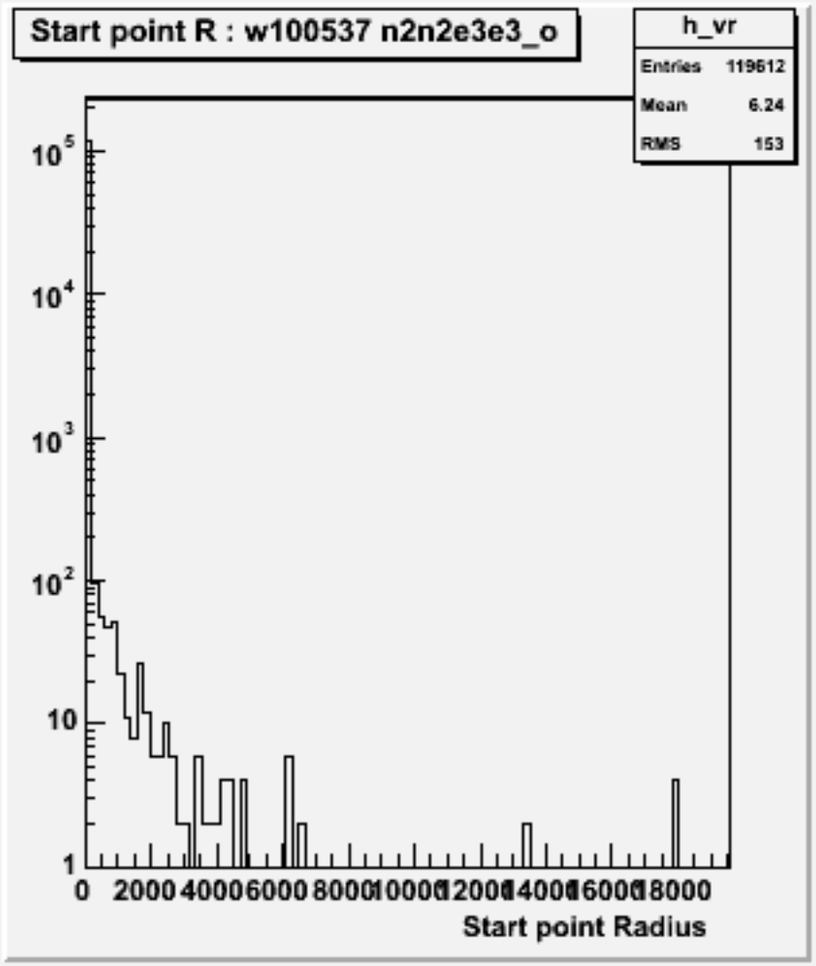
w100534 n2n2e1e1_o : There are no 4-jets

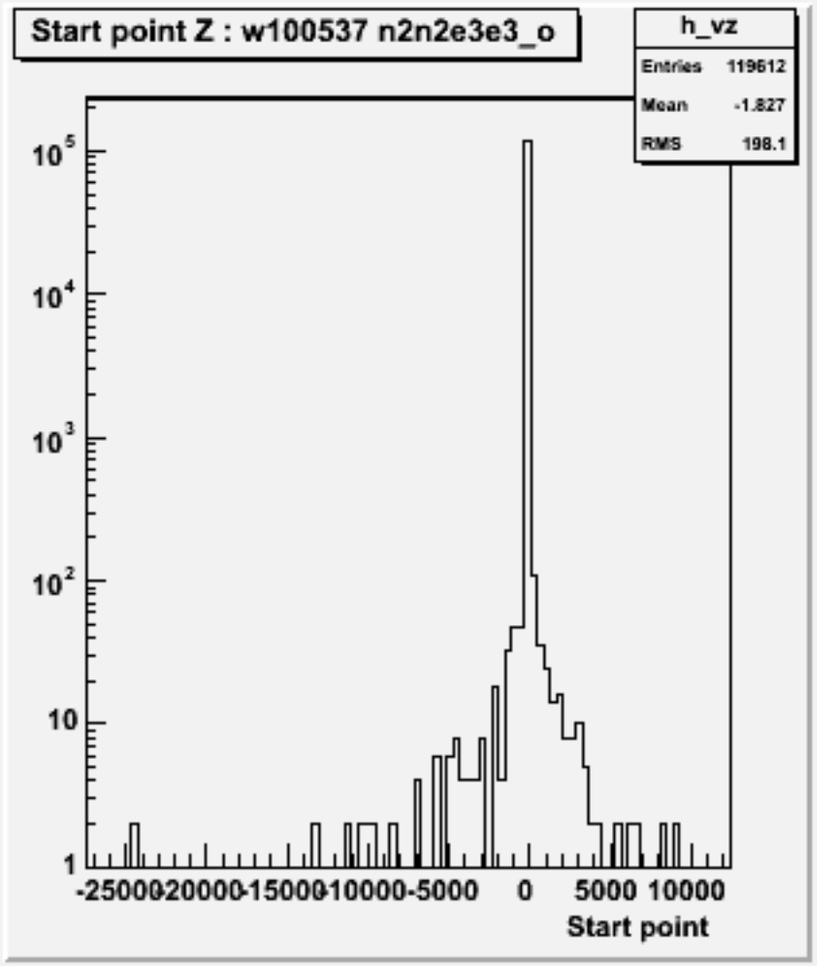

Particle ID : w100537 n2n2e3e3_o
h_id
Entries 119612
Mean 8.52
RMS 86.81
Particle ID

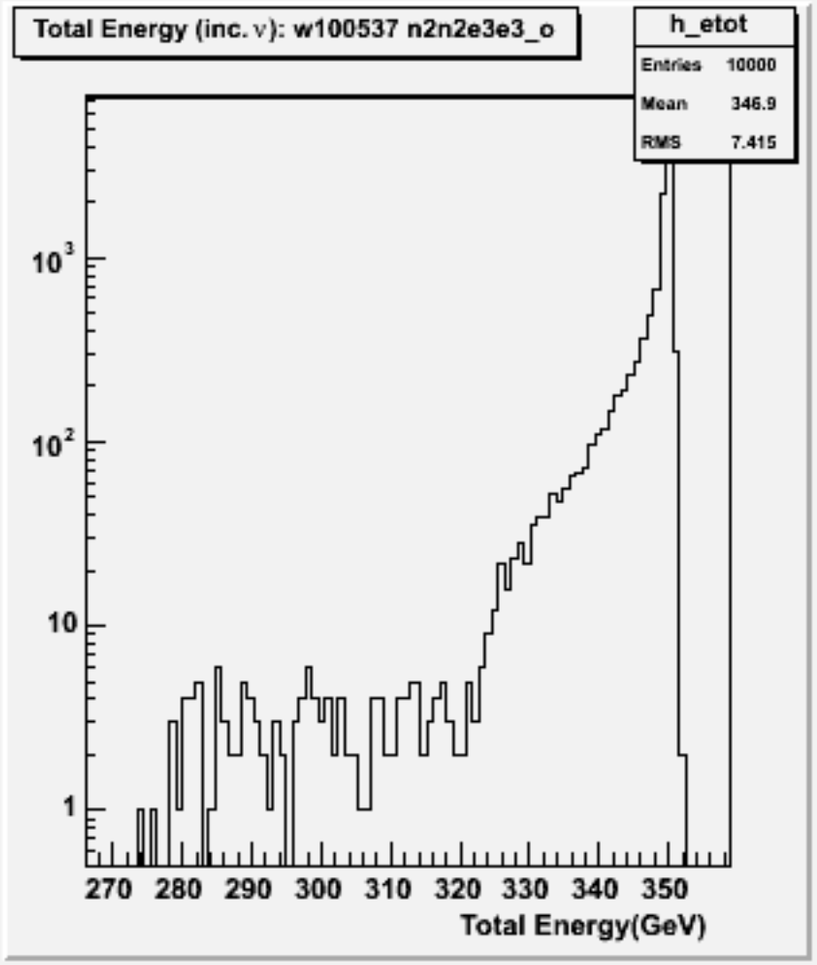

Particle Energy : w100537 n2n2e3e3_o
h_e
Entries 119612
Mean 29
RMS 38.35
Energy(GeV)

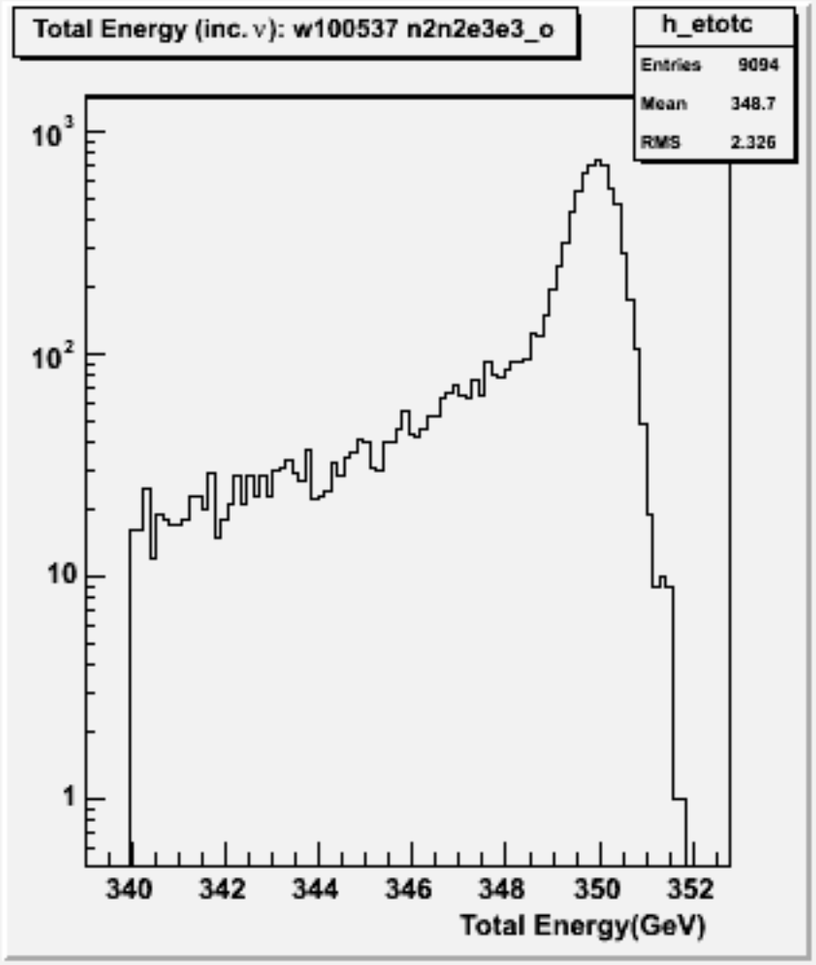

Particle Pt : w100537 n2n2e3e3_o
h_pt
Entries 119612
Mean 15.88
RMS 24.13
Pt(GeV)

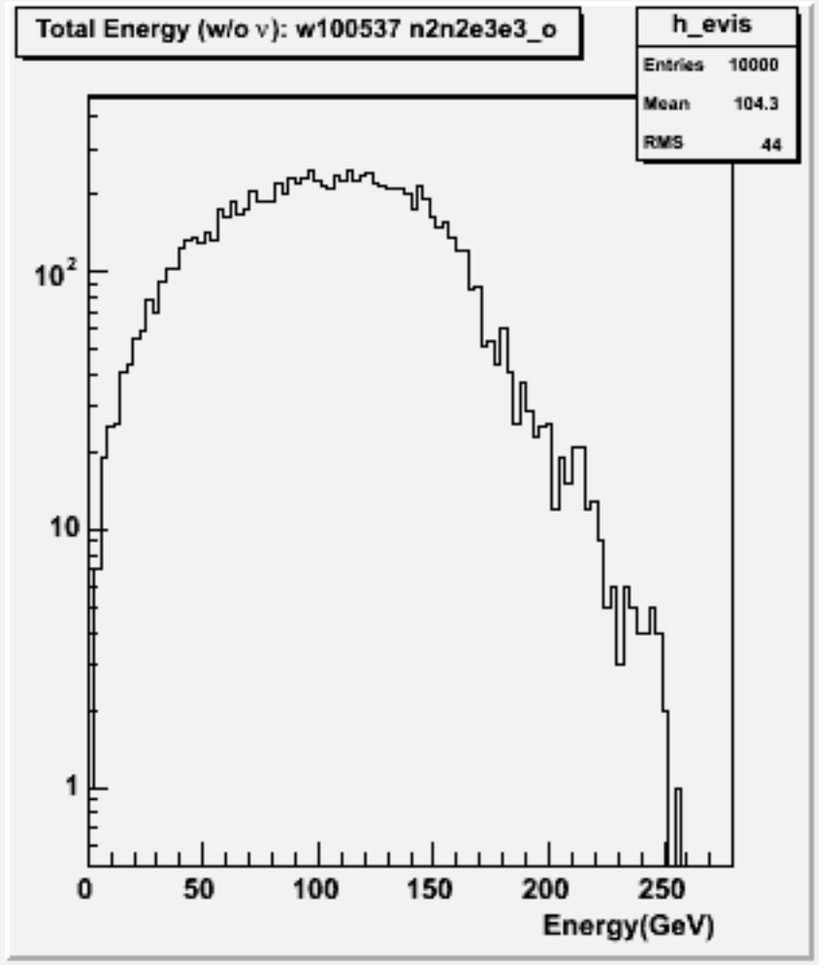

Particle cos θ : w100537 n2n2e3e3_o
h_cs
Entries 119612
Mean 0.01981
RMS 0.7789
cos θ

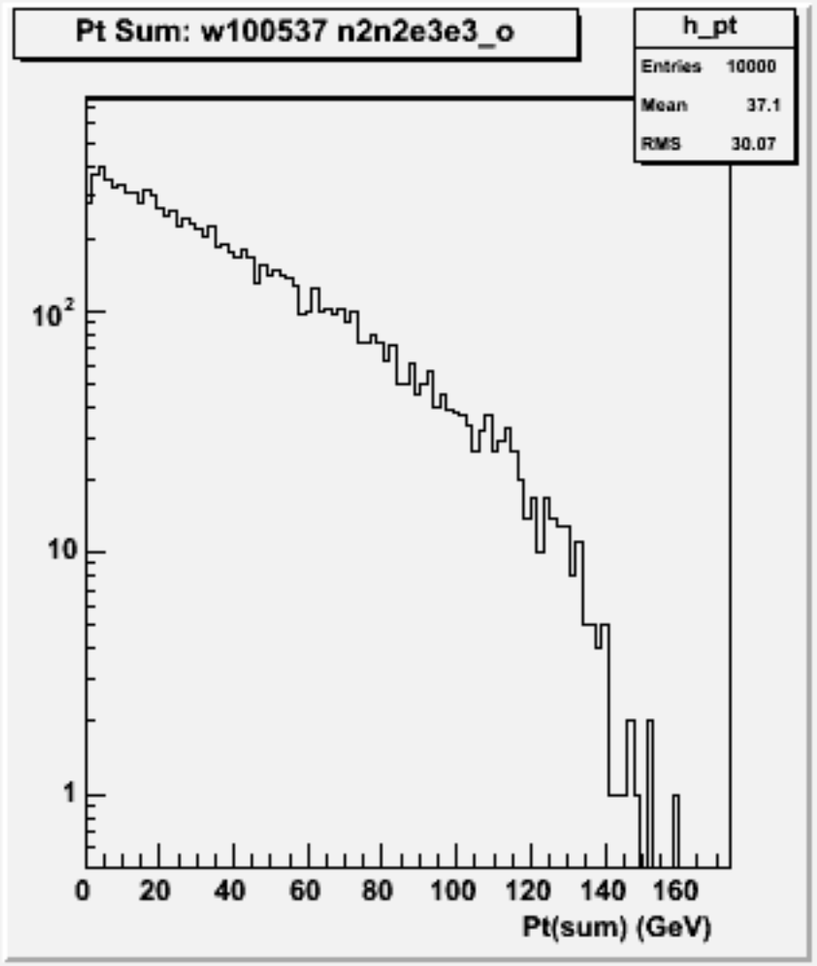

Start point R : w100537 n2n2e3e3_o
h_vr
Entries 119612
Mean 6.24
RMS 153
Start point Radius

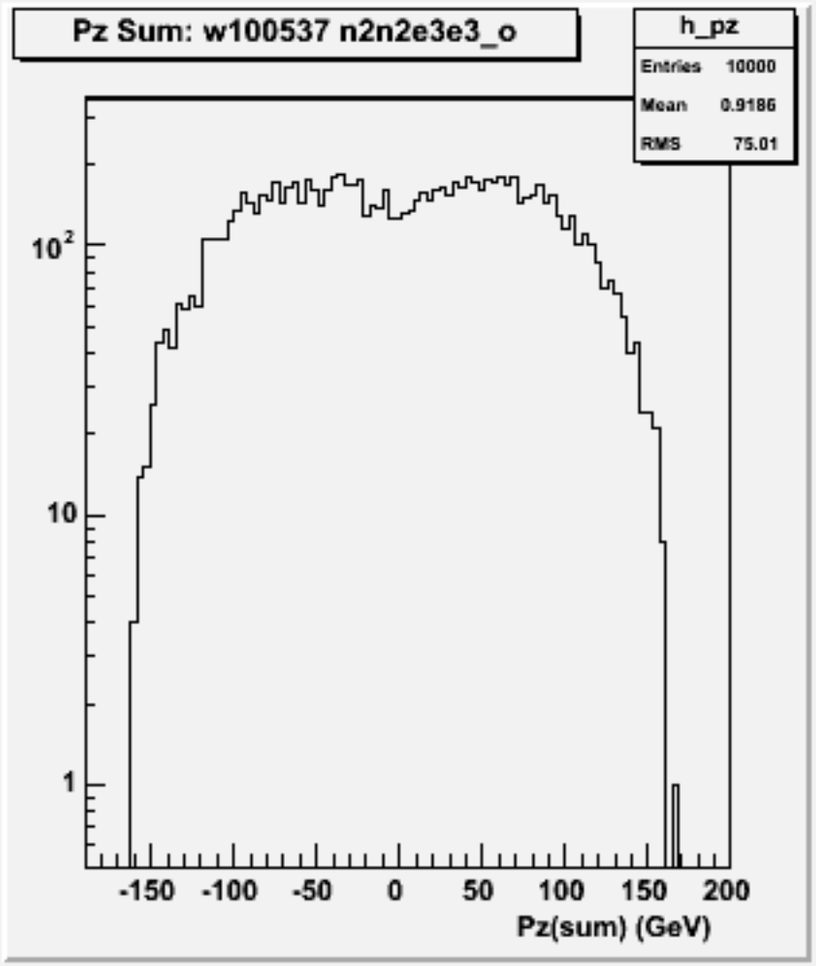

Start point Z : w100537 n2n2e3e3_o
h_vz
Entries 119612
Mean -1.827
RMS 198.1
Start point

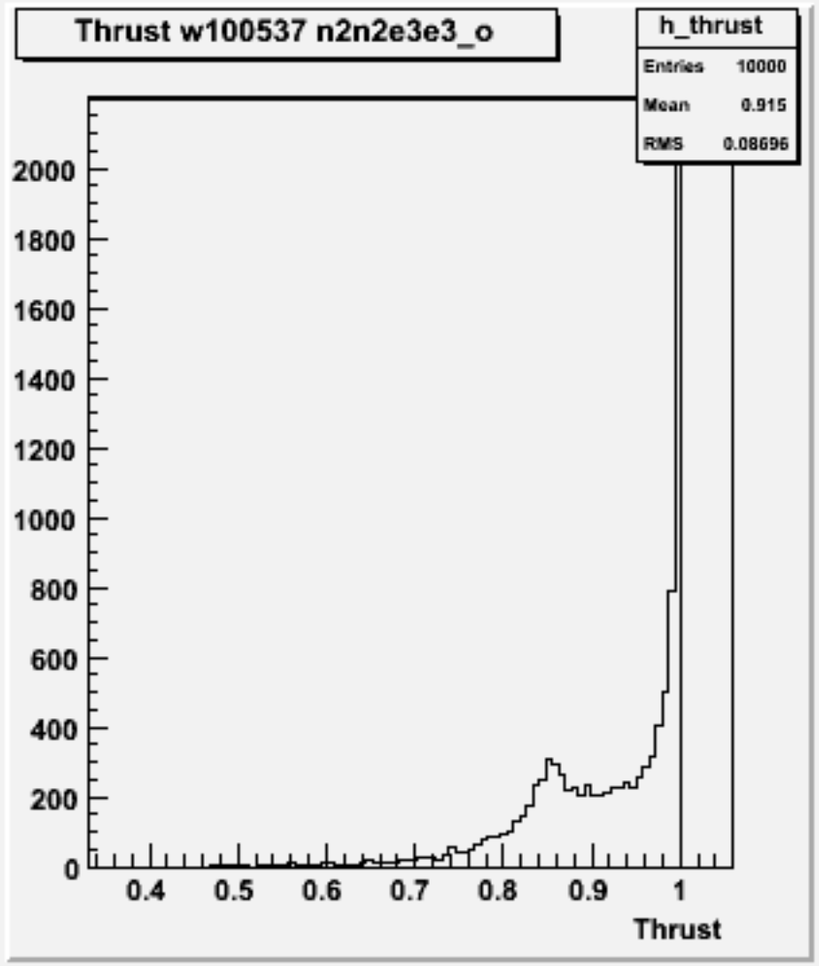

Total Energy (inc. ν): w100537 n2n2e3e3_o
h_etot
Entries 10000
Mean 346.9
RMS 7.415
Total Energy(GeV)

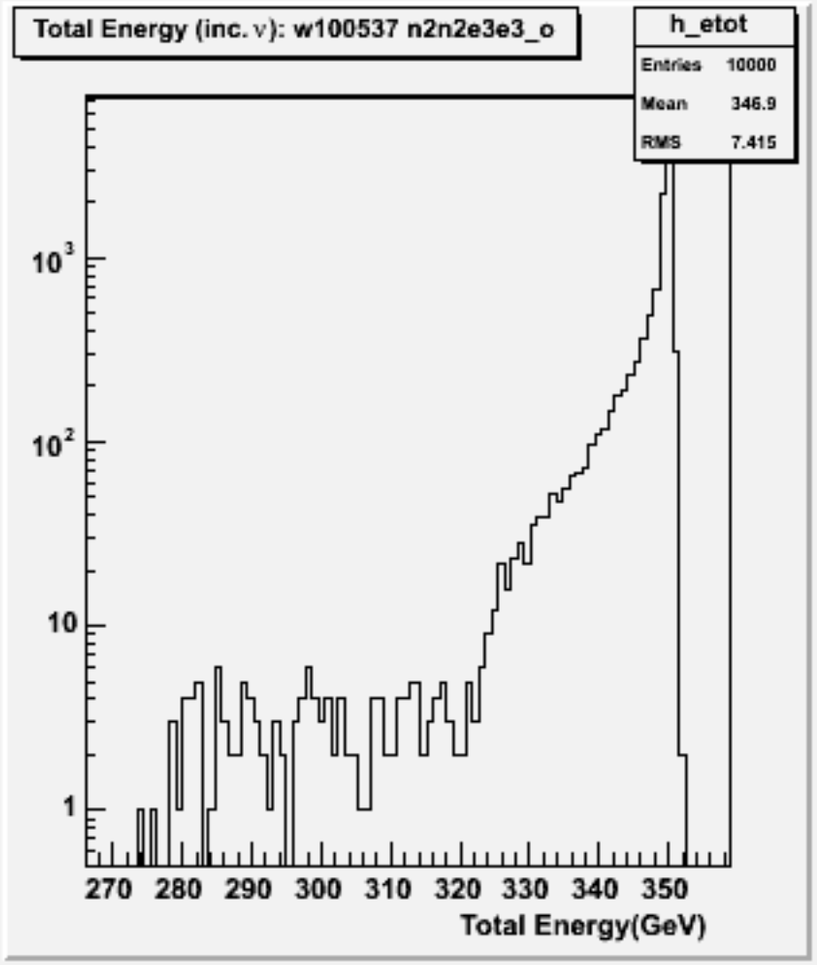

Total Energy (inc. ν): w100537 n2n2e3e3_o
h_etotc
Entries 9094
Mean 348.7
RMS 2.326
Total Energy(GeV)

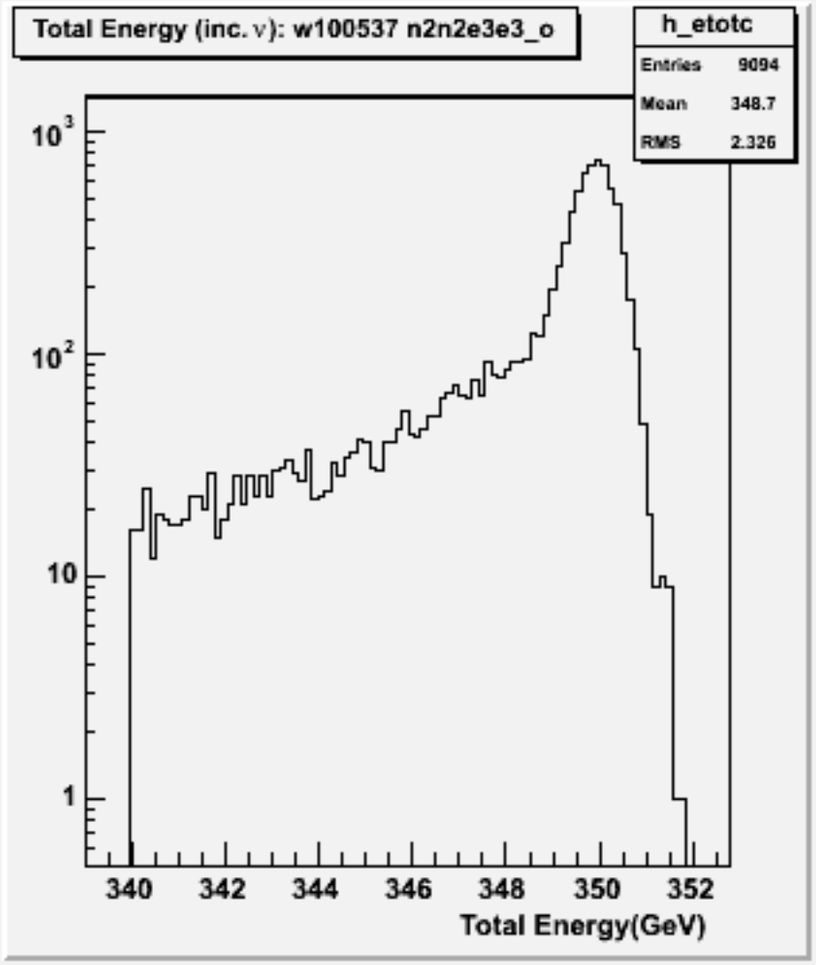

Total Energy (w/o ν): w100537 n2n2e3e3_o
h_evis
Entries 10000
Mean 104.3
RMS 44
Energy(GeV)

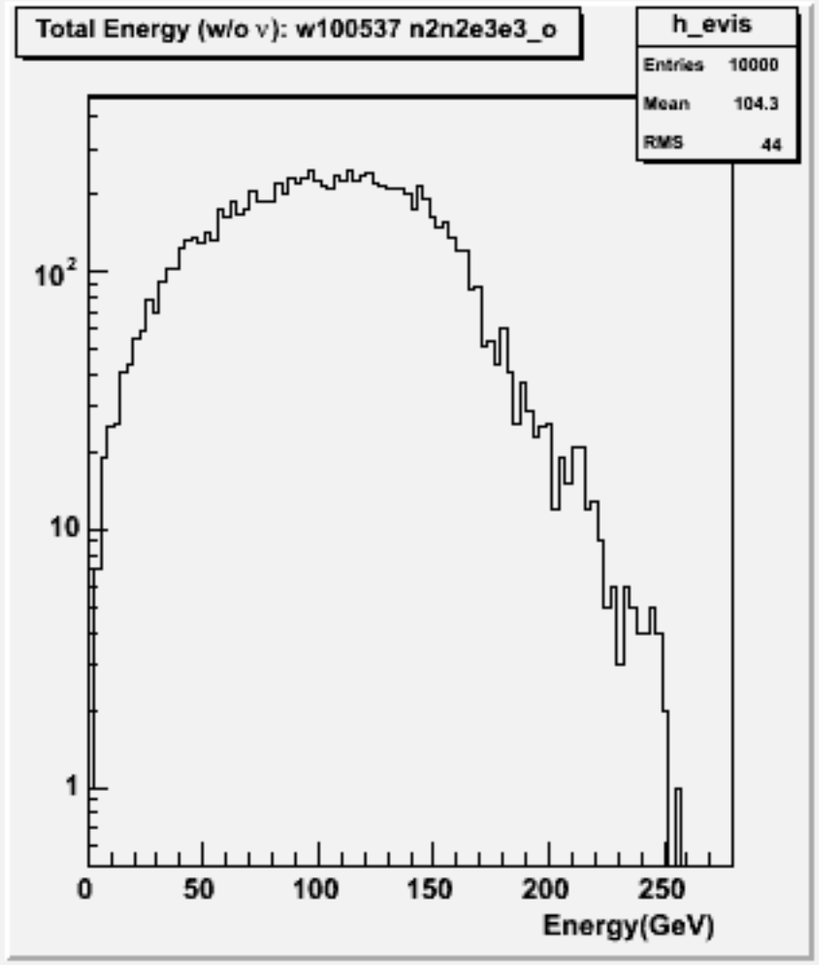

Pt Sum: w100537 n2n2e3e3_o
h_pt
Entries 10000
Mean 37.1
RMS 30.07
Pt(sum) (GeV)

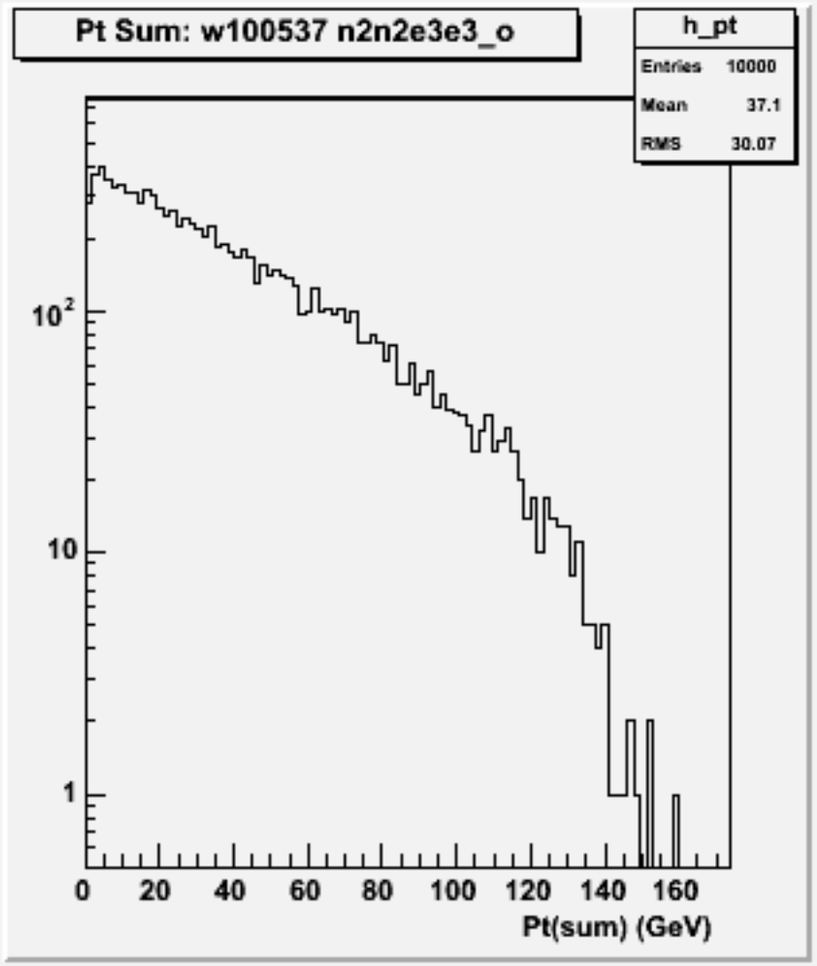

Pz Sum: w100537 n2n2e3e3_o
h_pz
Entries 10000
Mean 0.9186
RMS 75.01
Pz(sum) (GeV)

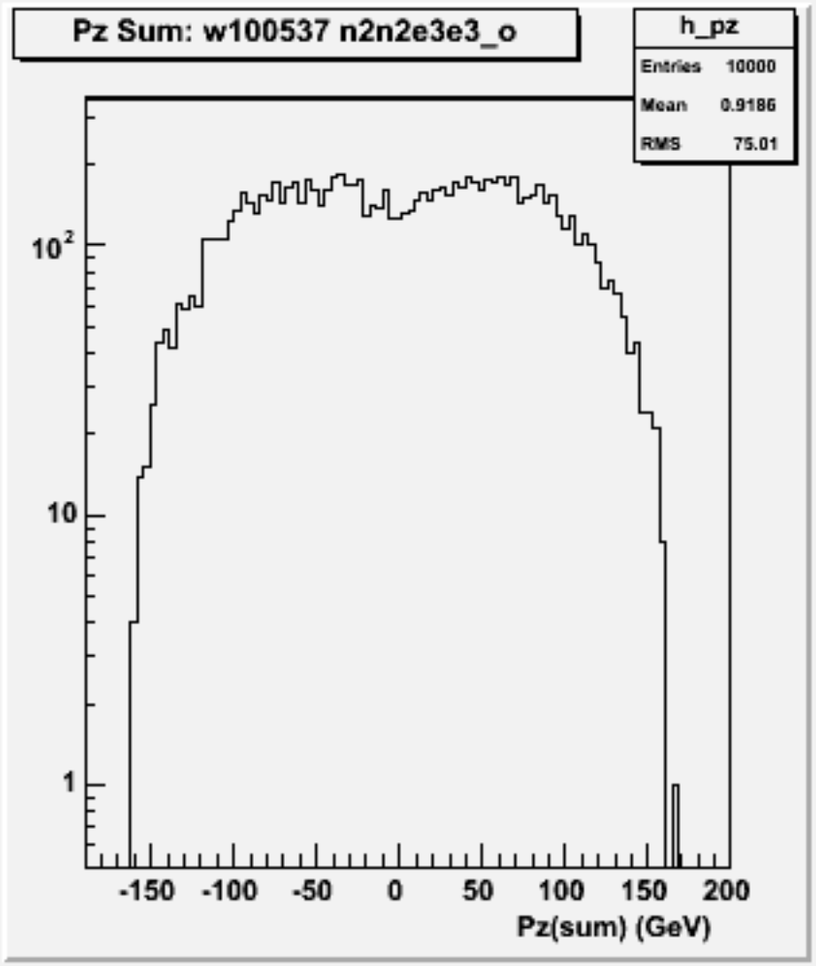

Thrust w100537 n2n2e3e3_o
h_thrust
Entries 10000
Mean 0.915
RMS 0.08696
Thrust

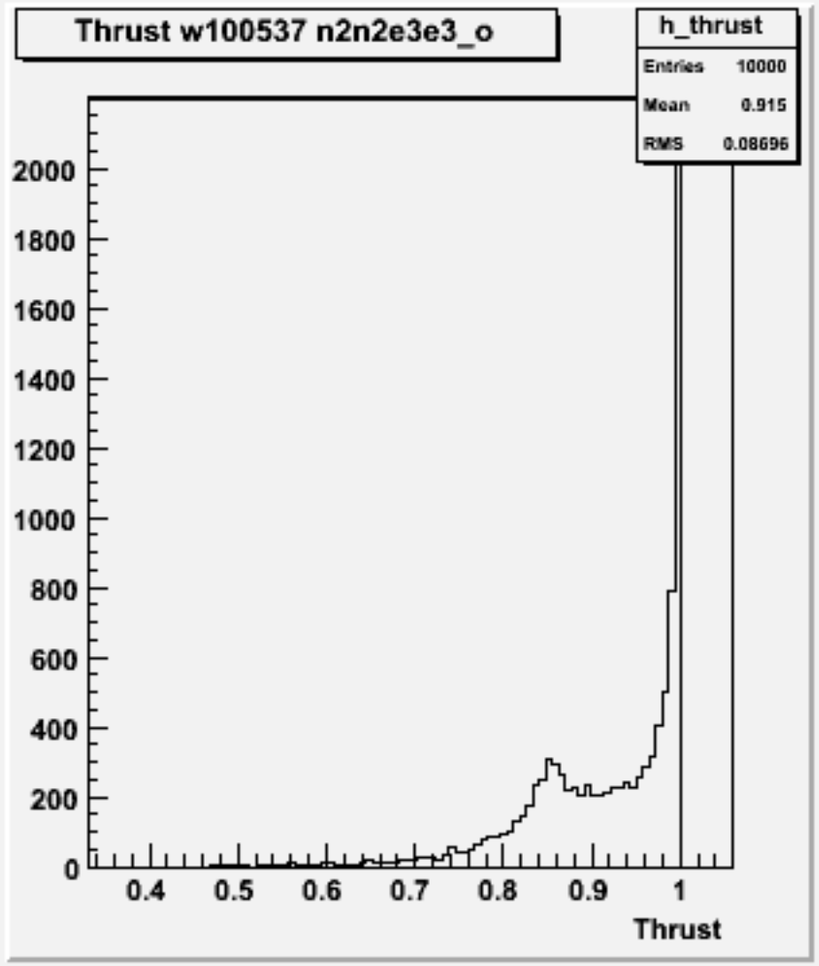

Total Energy (inc. ν): w100537 n2n2e3e3_o
h_etot
Entries 10000
Mean 346.9
RMS 7.415
Total Energy(GeV)

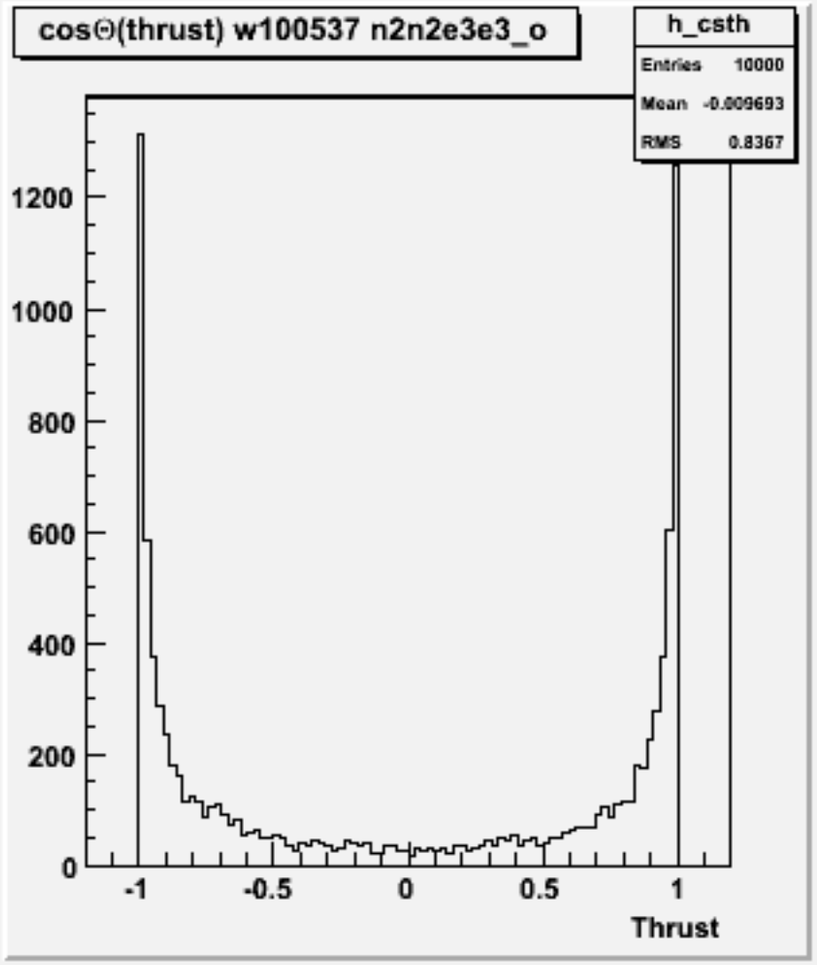

Total Energy (inc. ν): w100537 n2n2e3e3_o
h_etotc
Entries 9094
Mean 348.7
RMS 2.326
Total Energy(GeV)

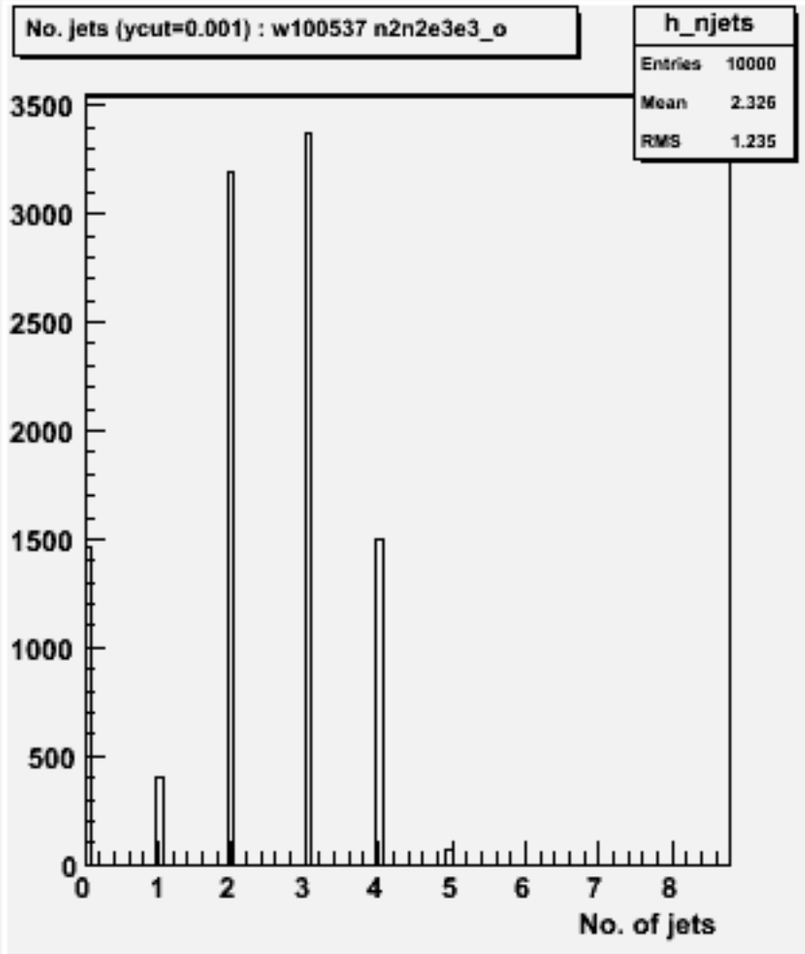

Total Energy (w/o ν): w100537 n2n2e3e3_o
h_evis
Entries 10000
Mean 104.3
RMS 44
Energy(GeV)

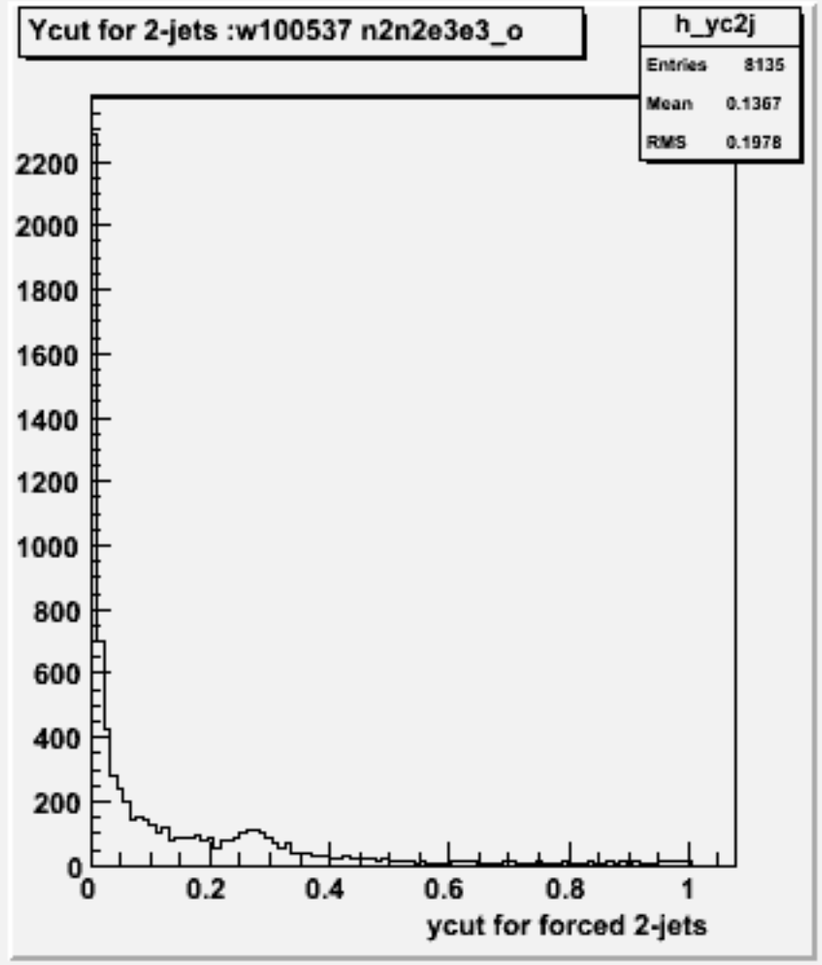

Pt Sum: w100537 n2n2e3e3_o
h_pt
Entries 10000
Mean 37.1
RMS 30.07
Pt(sum) (GeV)

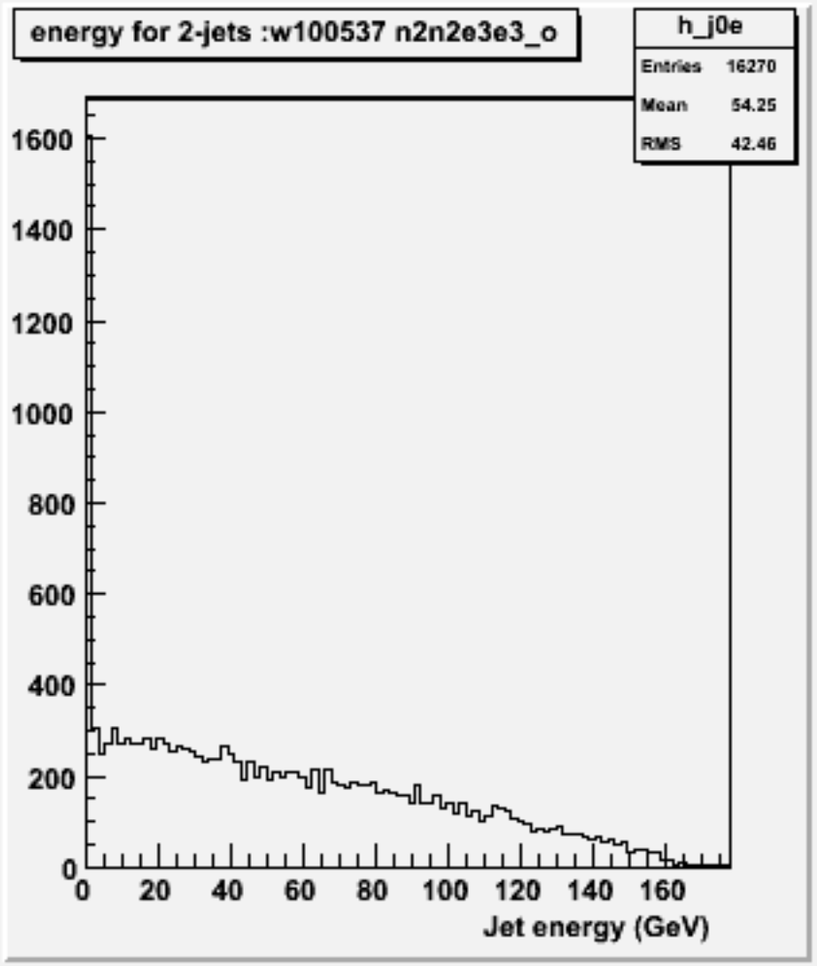

Pz Sum: w100537 n2n2e3e3_o
h_pz
Entries 10000
Mean 0.9186
RMS 75.01
Pz(sum) (GeV)

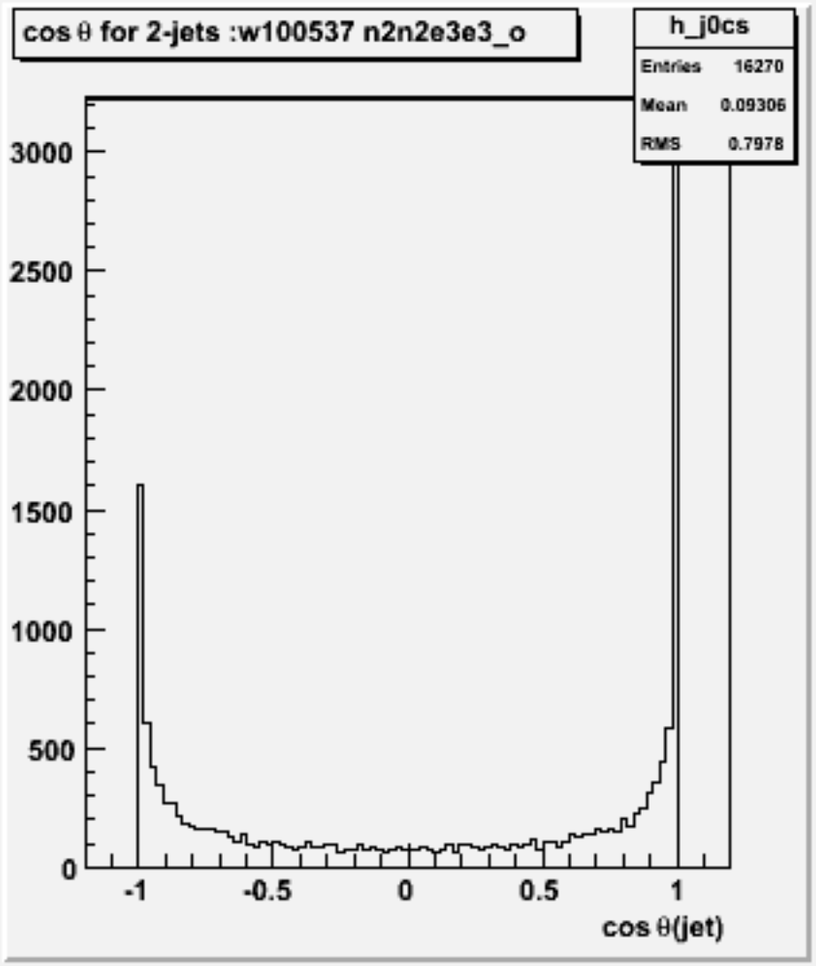

Thrust w100537 n2n2e3e3_o
h_thrust
Entries 10000
Mean 0.915
RMS 0.08696
Thrust

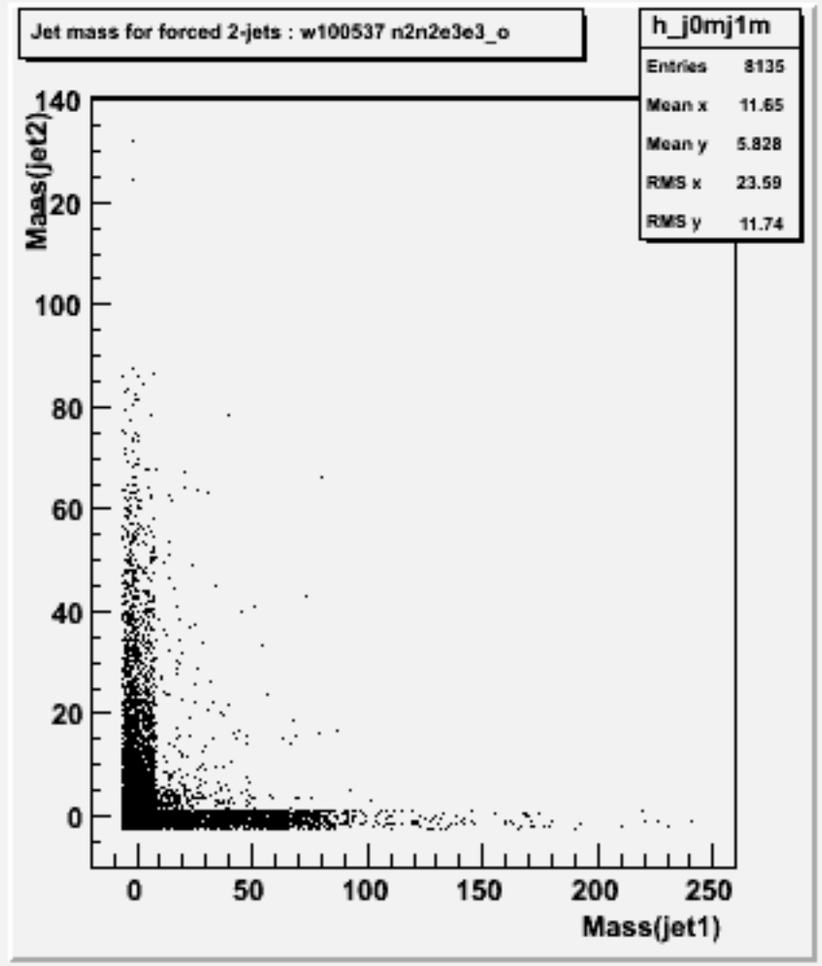

cosΘ(thrust) w100537 n2n2e3e3_o
h_csth
Entries 10000
Mean -0.009693
RMS 0.8367
Thrust

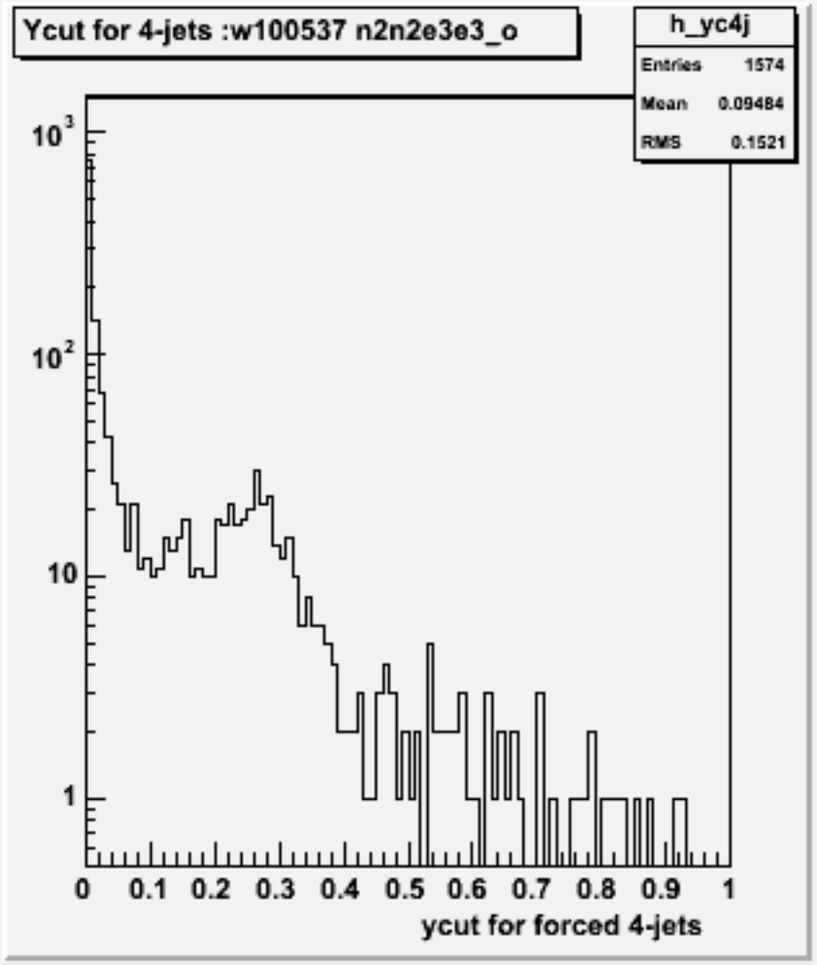

No. jets (ycut=0.001) : w100537 n2n2e3e3_o
h_njets
Entries 10000
Mean 2.326
RMS 1.235
No. of jets

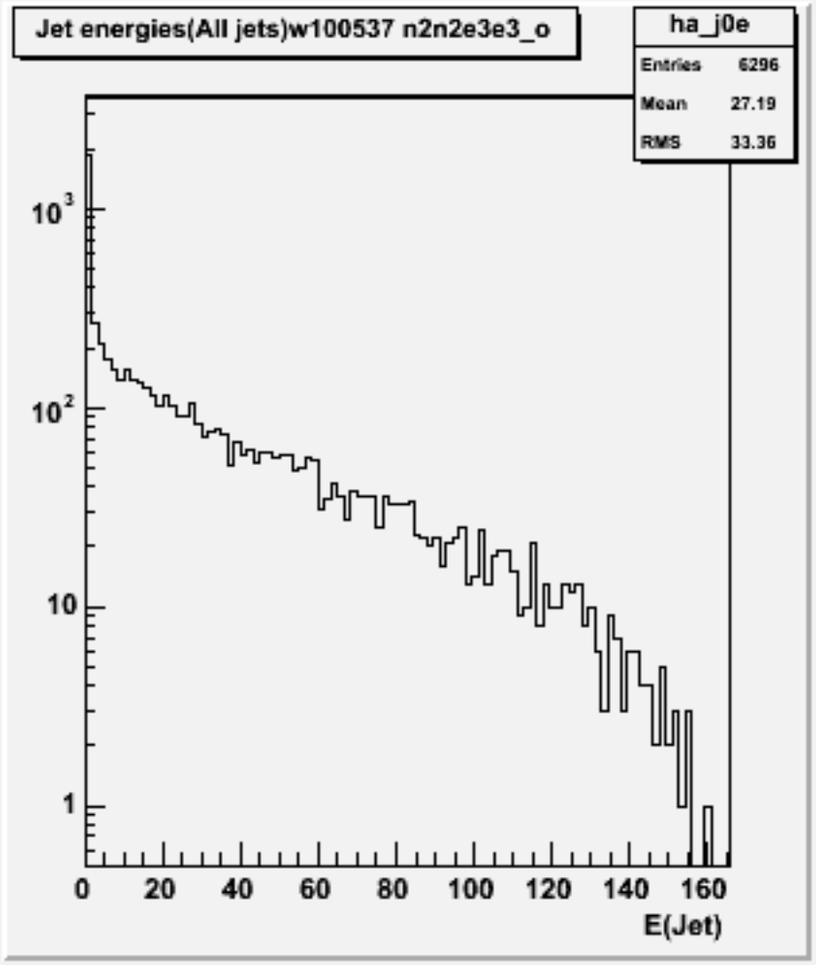

Ycut for 2-jets :w100537 n2n2e3e3_o
h_yc2j
Entries 8135
Mean 0.1367
RMS 0.1978
ycut for forced 2-jets

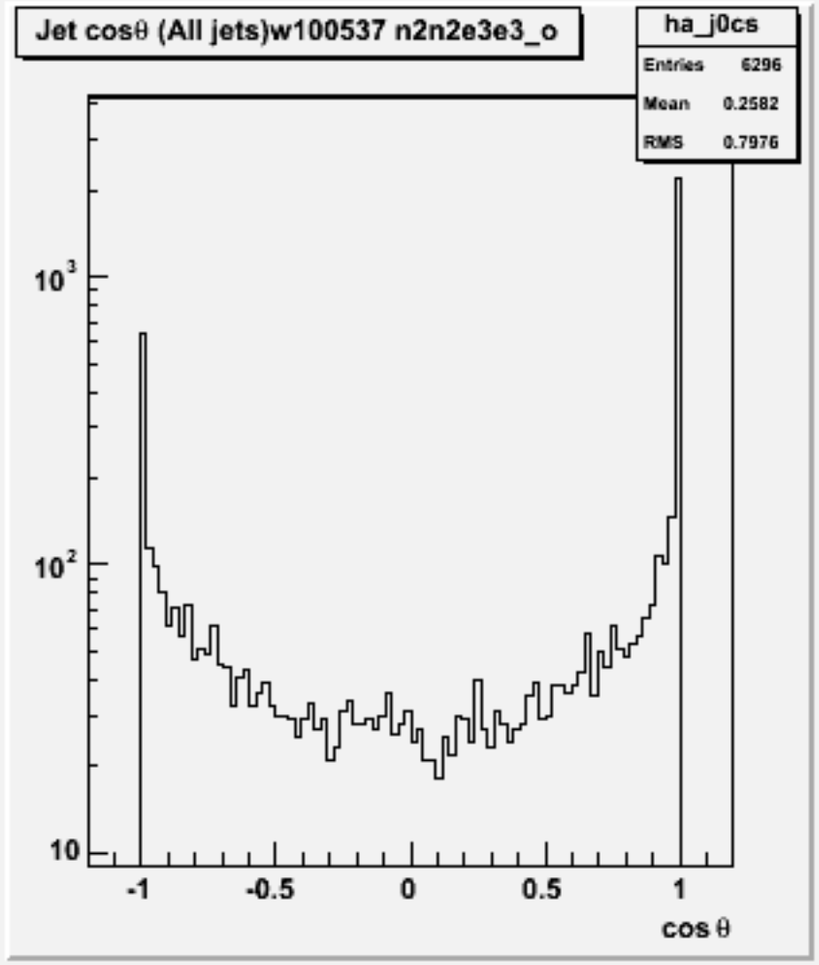

energy for 2-jets :w100537 n2n2e3e3_o
h_j0e
Entries 16270
Mean 54.25
RMS 42.46
Jet energy (GeV)

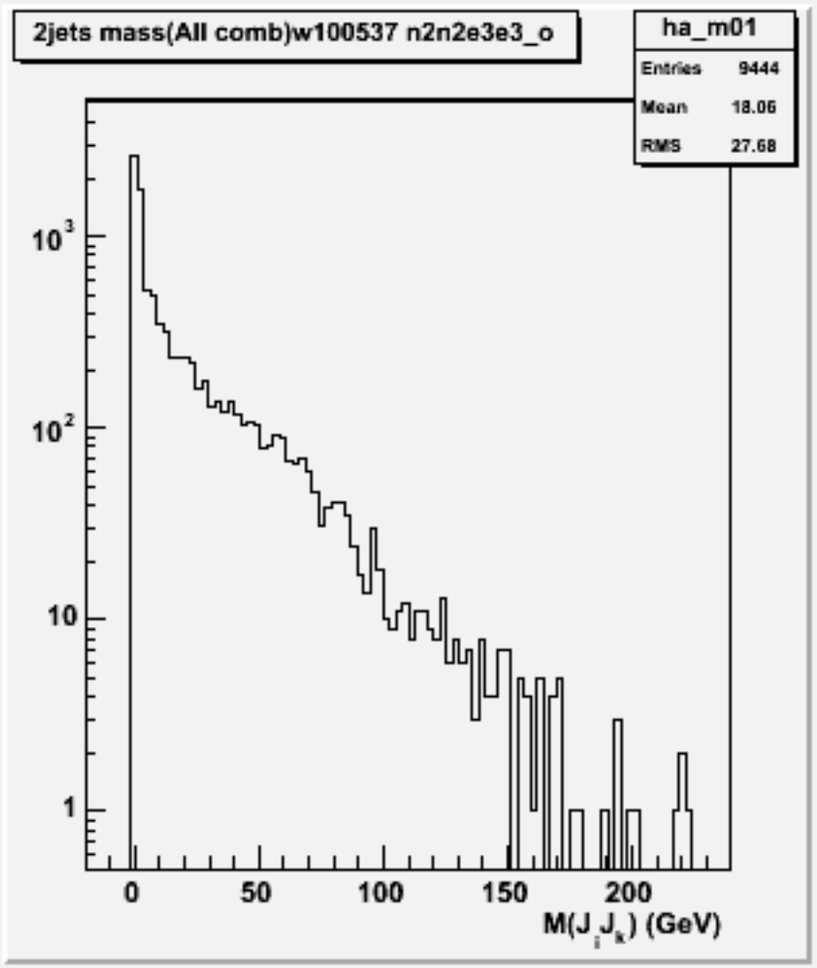

cos θ for 2-jets :w100537 n2n2e3e3_o
h_j0cs
Entries 16270
Mean 0.09306
RMS 0.7978
cos θ(jet)

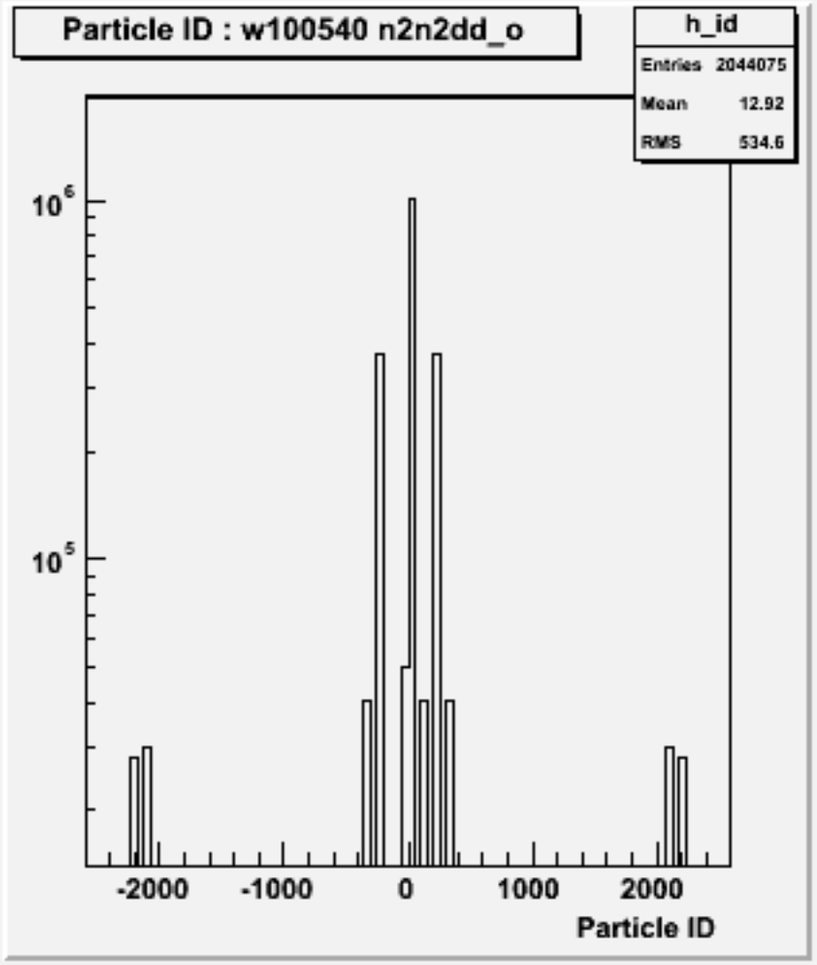

Jet mass for forced 2-jets : w100537 n2n2e3e3_o
h_j0mj1m
Entries 8135
Mean x 11.65
Mean y 5.828
RMS x 23.59
RMS y 11.74
Mass(jet2)
Mass(jet1)

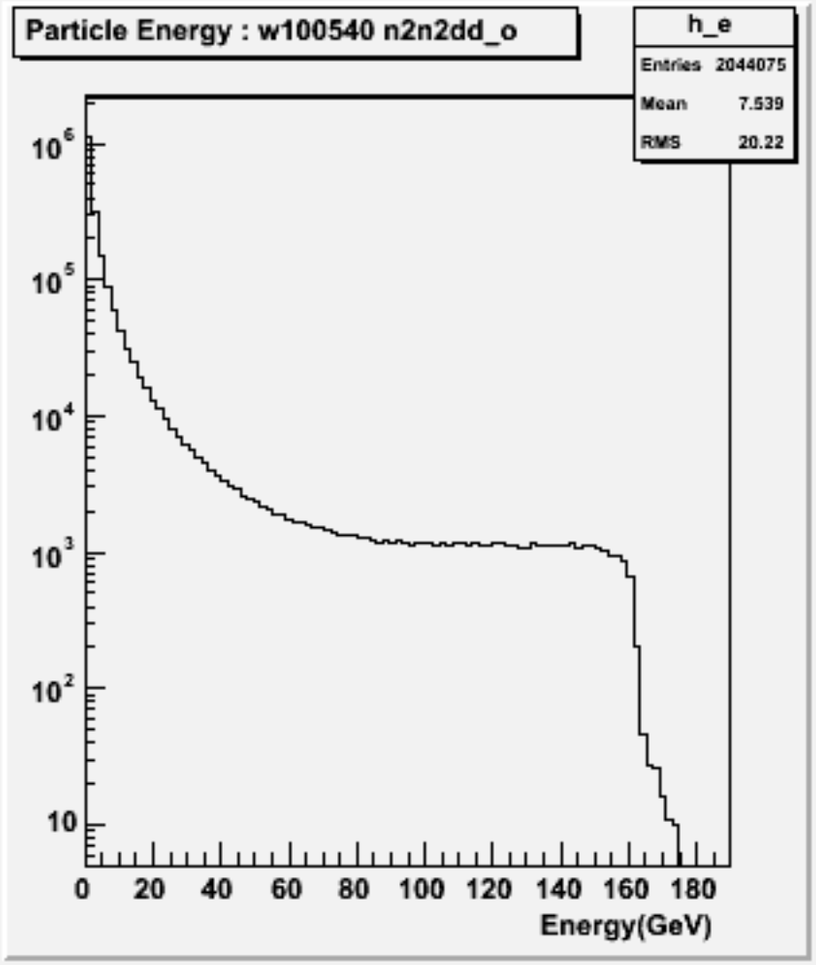

Ycut for 4-jets :w100537 n2n2e3e3_o
h_yc4j
Entries 1574
Mean 0.09484
RMS 0.1521
ycut for forced 4-jets

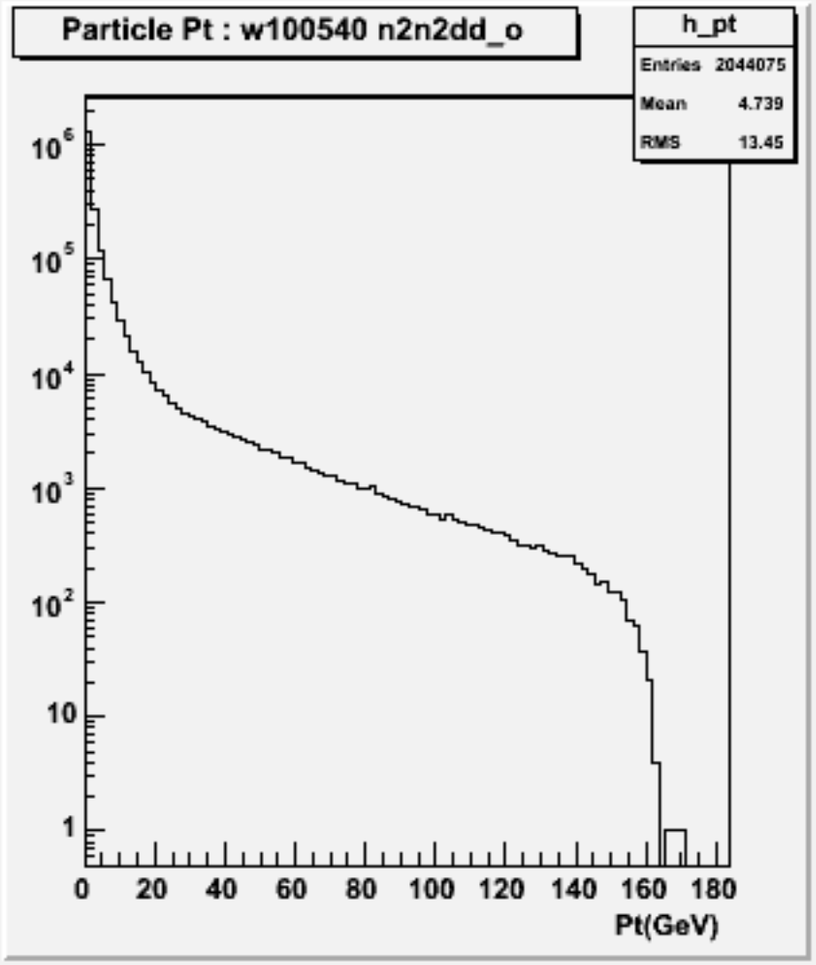

Jet energies(All jets)w100537 n2n2e3e3_o
ha_j0e
Entries 6296
Mean 27.19
RMS 33.36
E(Jet)

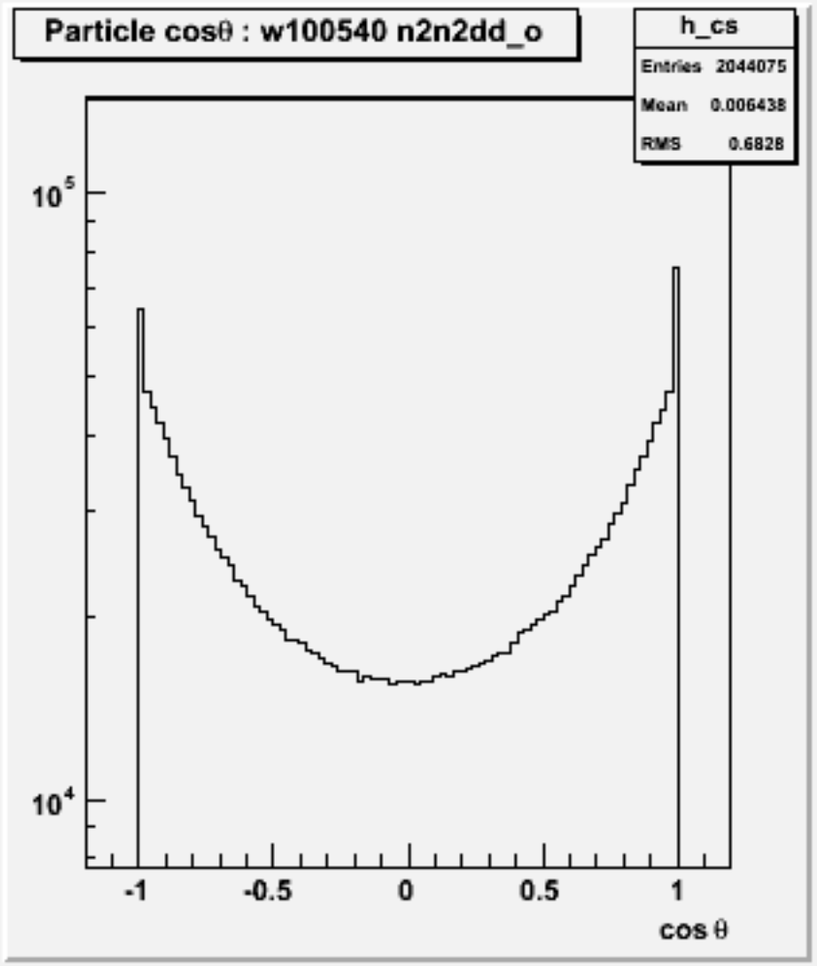

Jet cosθ (All jets)w100537 n2n2e3e3_o
ha_j0cs
Entries 6296
Mean 0.2582
RMS 0.7976
cos θ

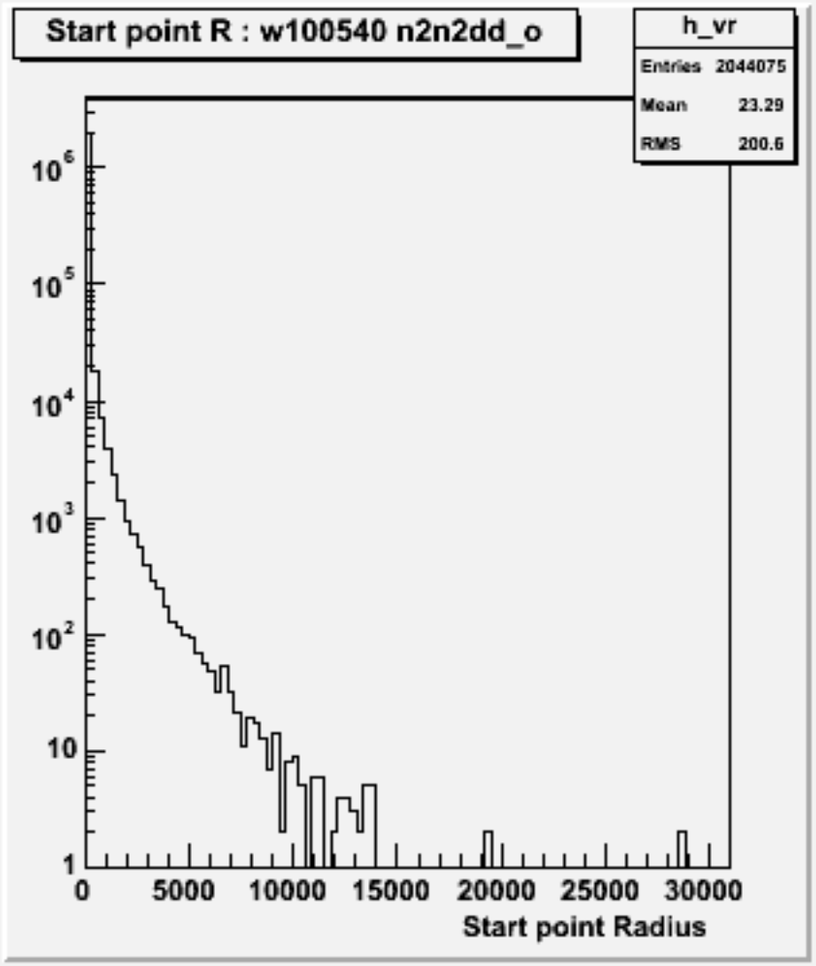

2jets mass(All comb)w100537 n2n2e3e3_o
ha_m01
Entries 9444
Mean 18.06
RMS 27.68
M(J_iJ_k) (GeV)

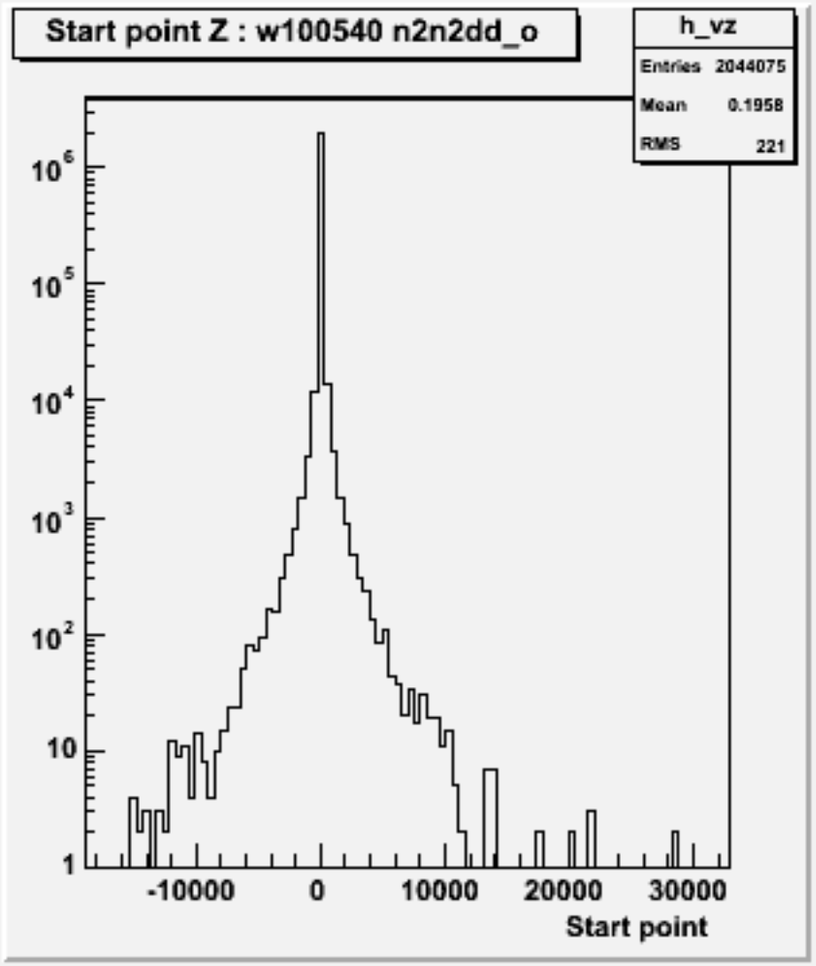

Particle ID : w100540 n2n2dd_o
h_id
Entries 2044075
Mean 12.92
RMS 534.6
Particle ID

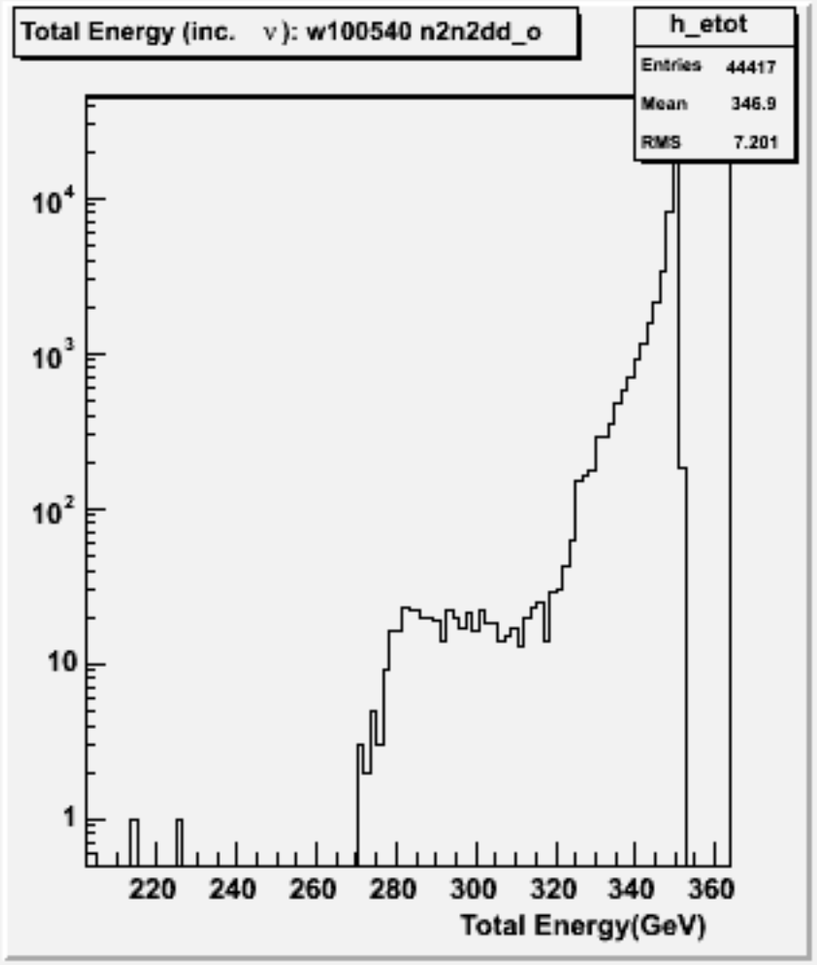

Particle Energy : w100540 n2n2dd_o
h_e
Entries 2044075
Mean 7.539
RMS 20.22
Energy(GeV)

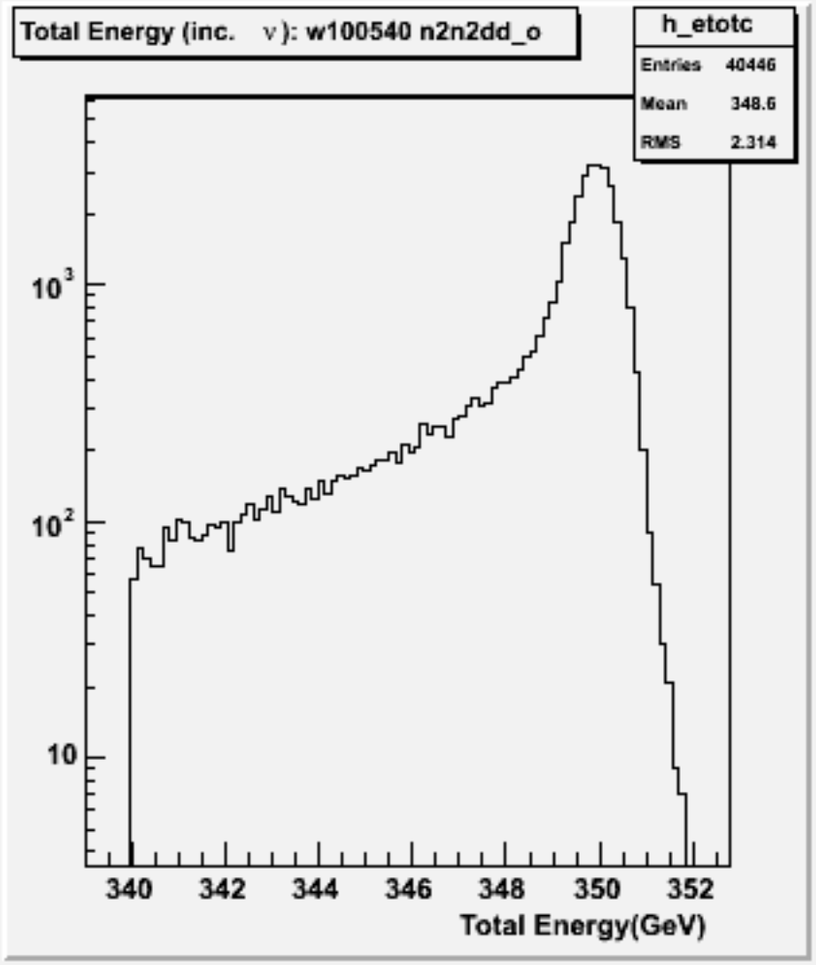

Particle Pt : w100540 n2n2dd_o
h_pt
Entries 2044075
Mean 4.739
RMS 13.45
Pt(GeV)

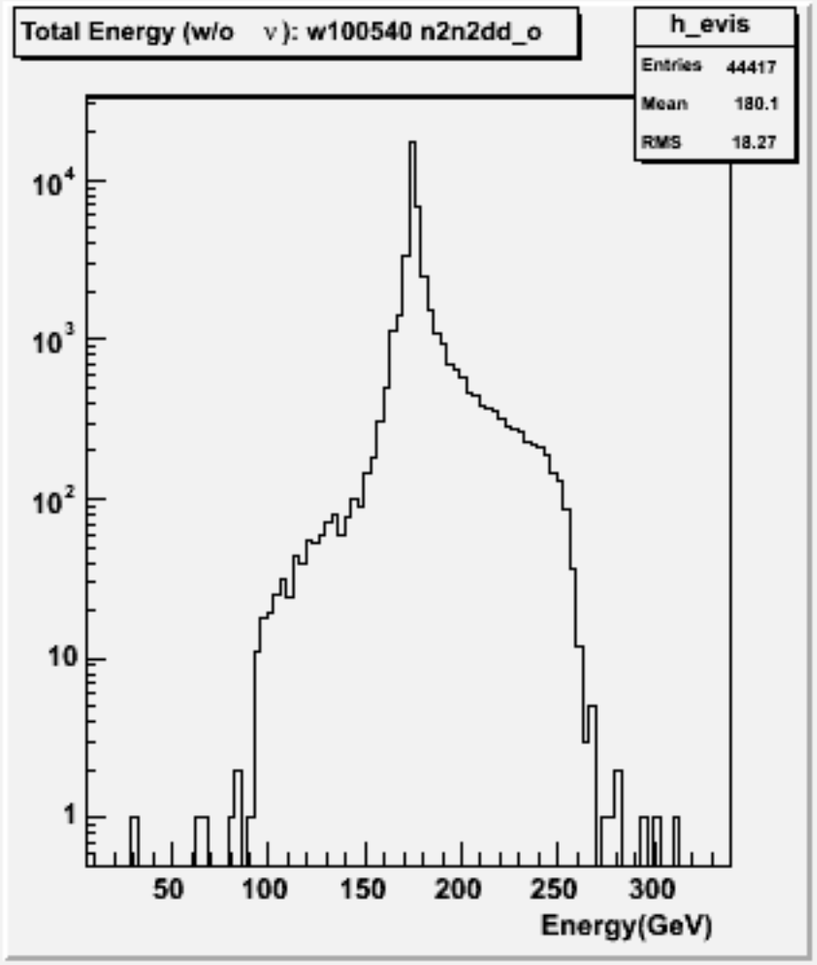

Particle cosθ : w100540 n2n2dd_o
h_cs
Entries 2044075
Mean 0.006438
RMS 0.6828
cos θ

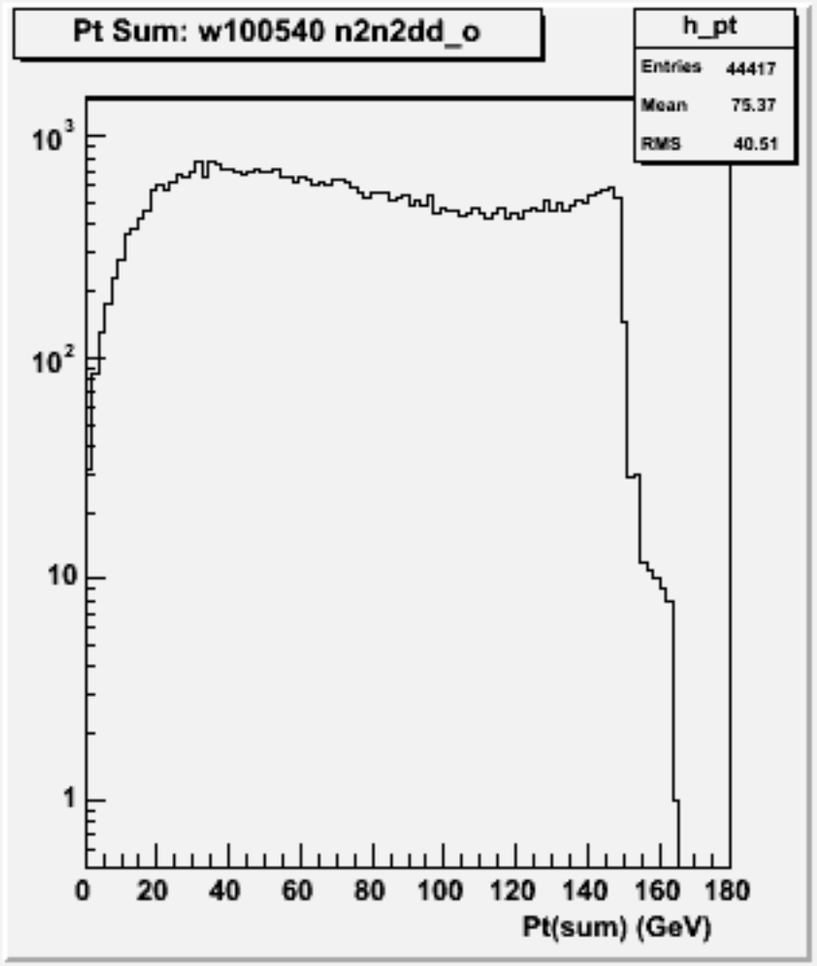

Start point R : w100540 n2n2dd_o
h_vr
Entries 2044075
Mean 23.29
RMS 200.6
Start point Radius

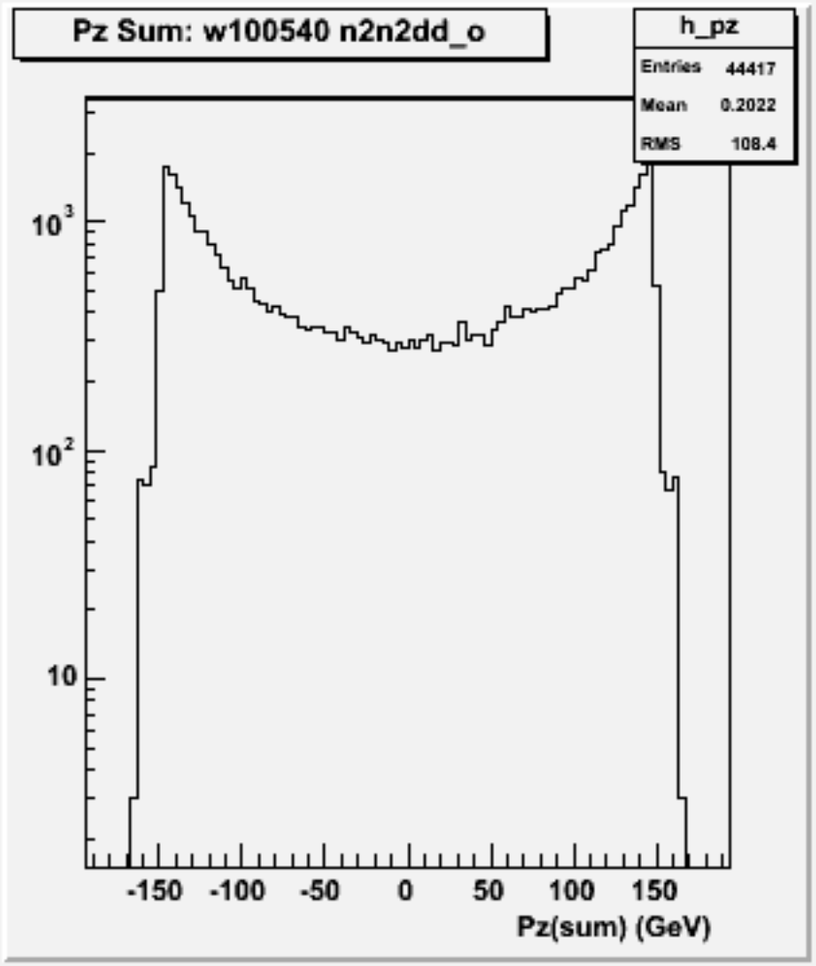

Start point Z : w100540 n2n2dd_o
h_vz
Entries 2044075
Mean 0.1958
RMS 221
Start point

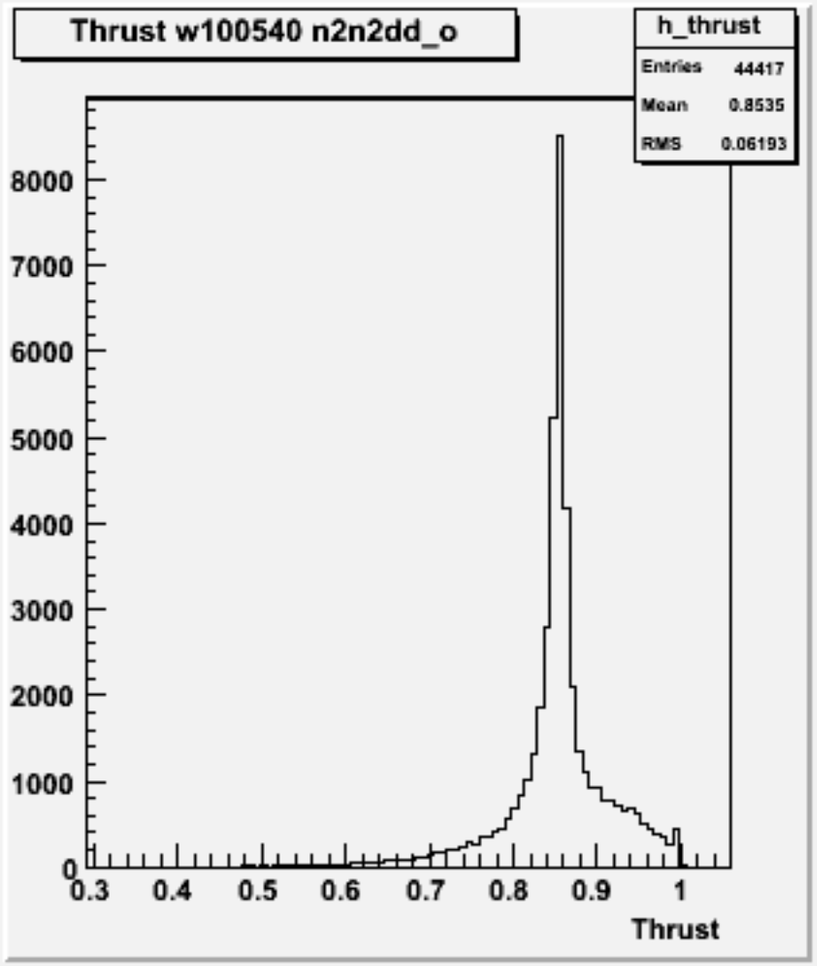

Total Energy (inc. ν): w100540 n2n2dd_o
h_etot
Entries 44417
Mean 346.9
RMS 7.201
Total Energy(GeV)

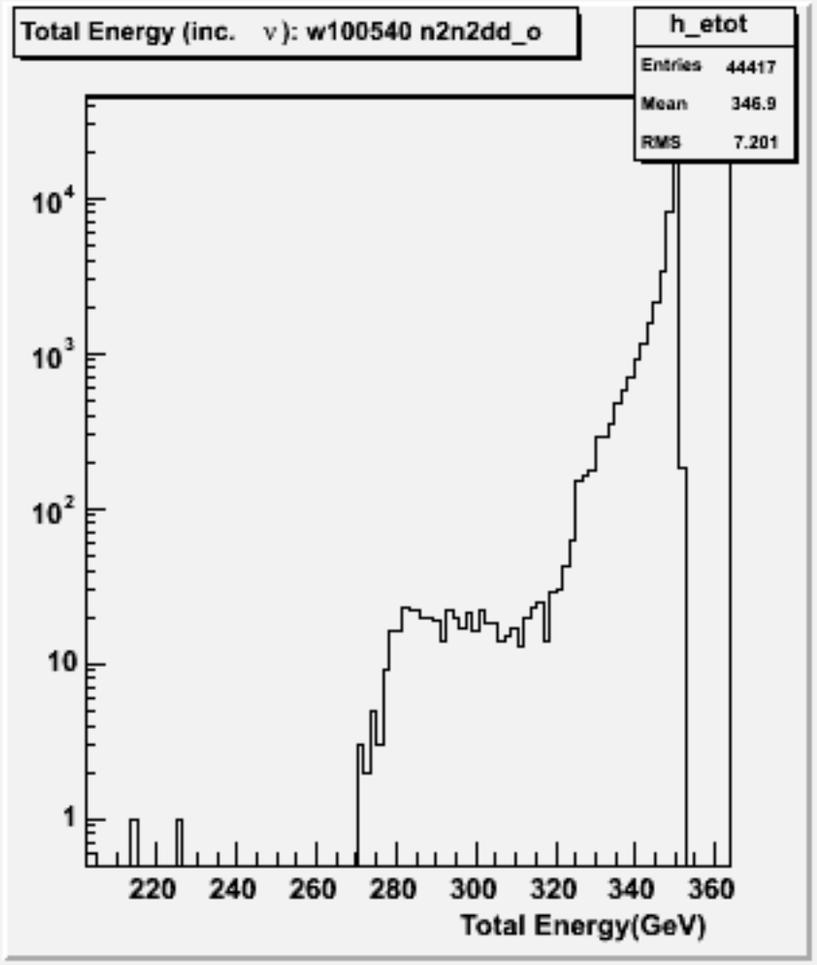

Total Energy (inc. ν): w100540 n2n2dd_o
h_etotc
Entries 40446
Mean 348.6
RMS 2.314
Total Energy(GeV)

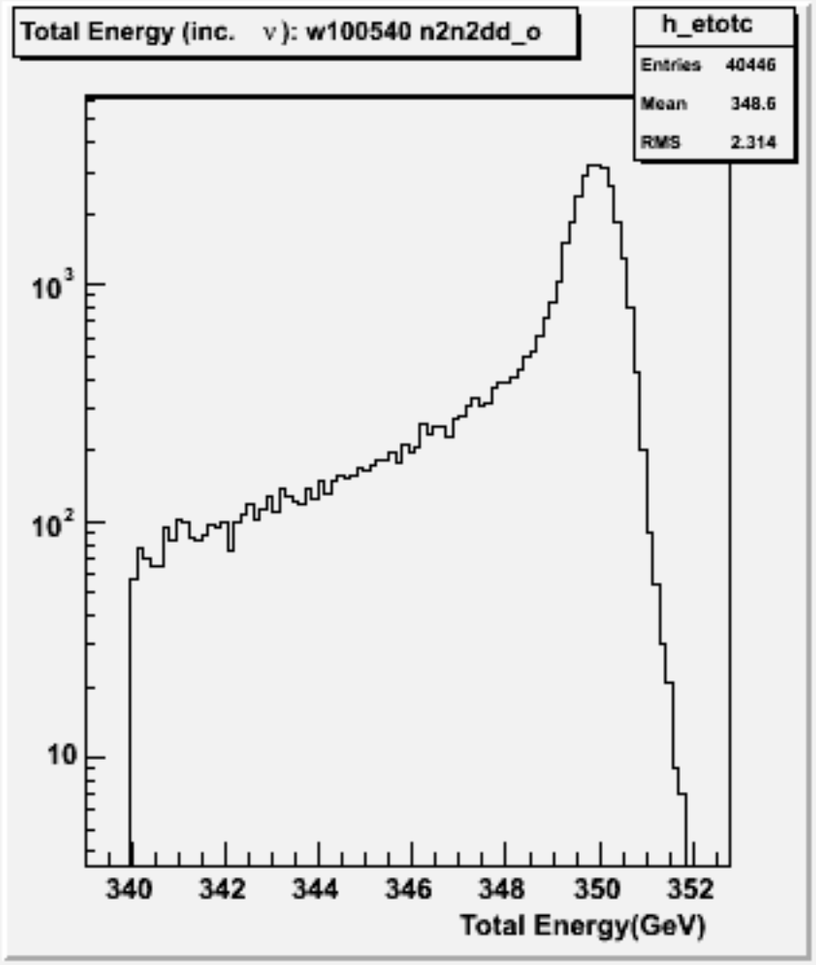

Total Energy (w/o ν): w100540 n2n2dd_o
h_evis
Entries 44417
Mean 180.1
RMS 18.27
Energy(GeV)

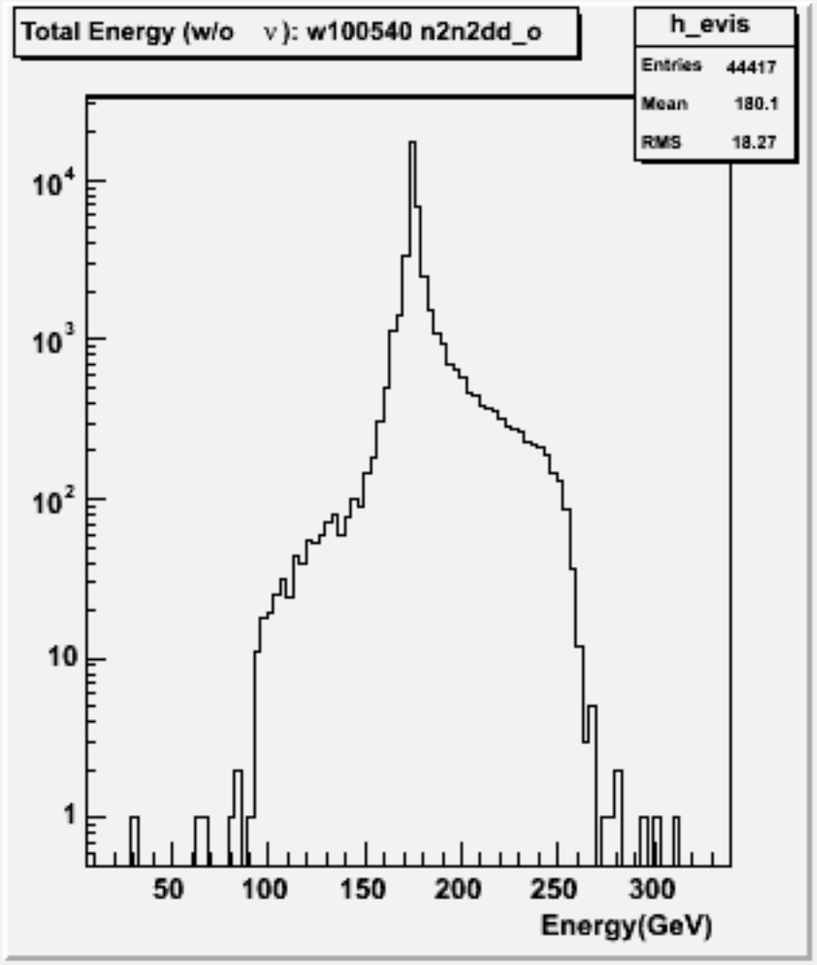

Pt Sum: w100540 n2n2dd_o
h_pt
Entries 44417
Mean 75.37
RMS 40.51
Pt(sum) (GeV)

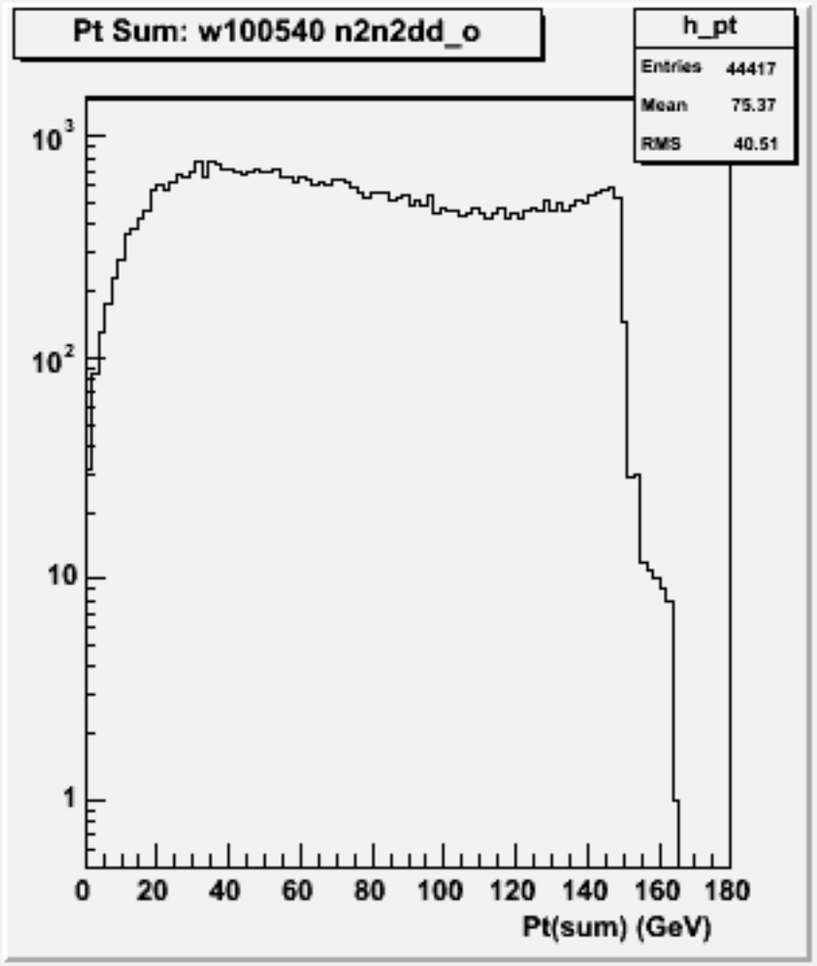

Pz Sum: w100540 n2n2dd_o
h_pz
Entries 44417
Mean 0.2022
RMS 108.4
Pz(sum) (GeV)

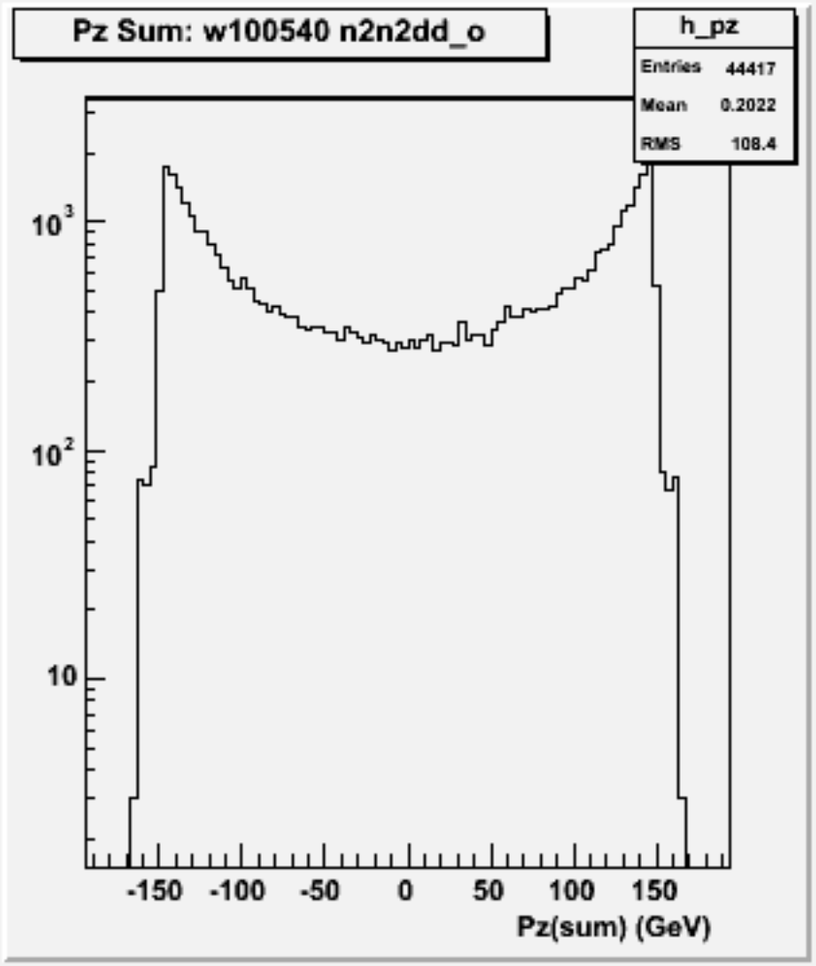

Thrust w100540 n2n2dd_o
h_thrust
Entries 44417
Mean 0.8535
RMS 0.06193
Thrust

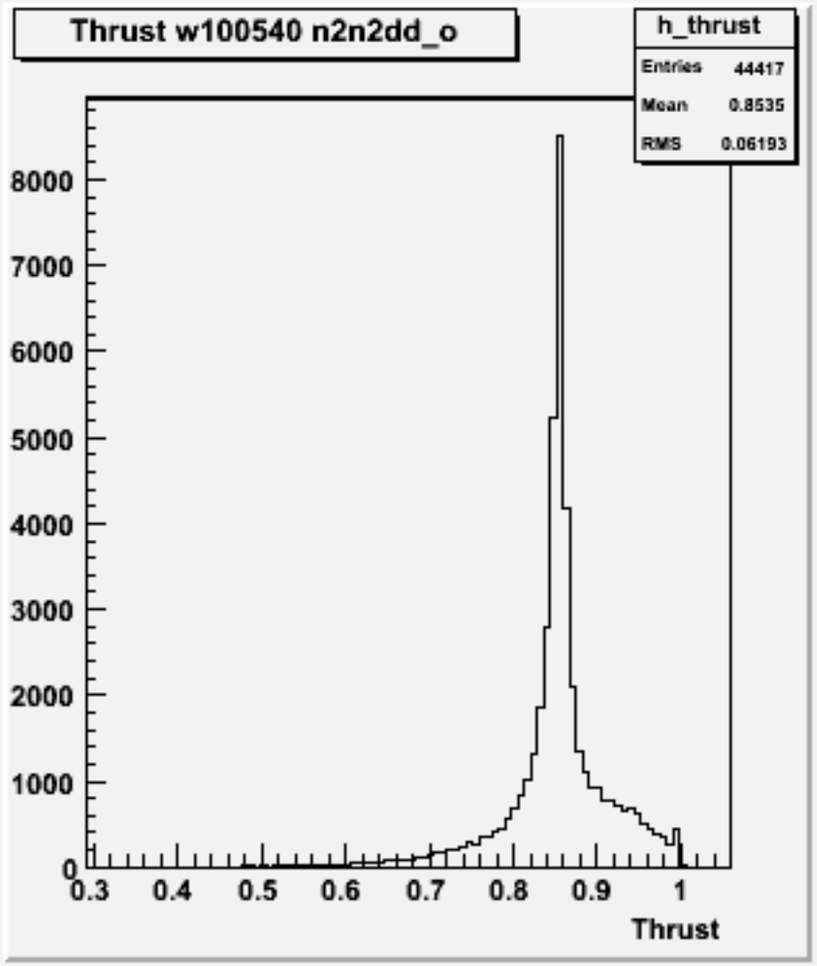

Total Energy (inc. ν): w100540 n2n2dd_o
h_etot
Entries 44417
Mean 346.9
RMS 7.201
Total Energy(GeV)

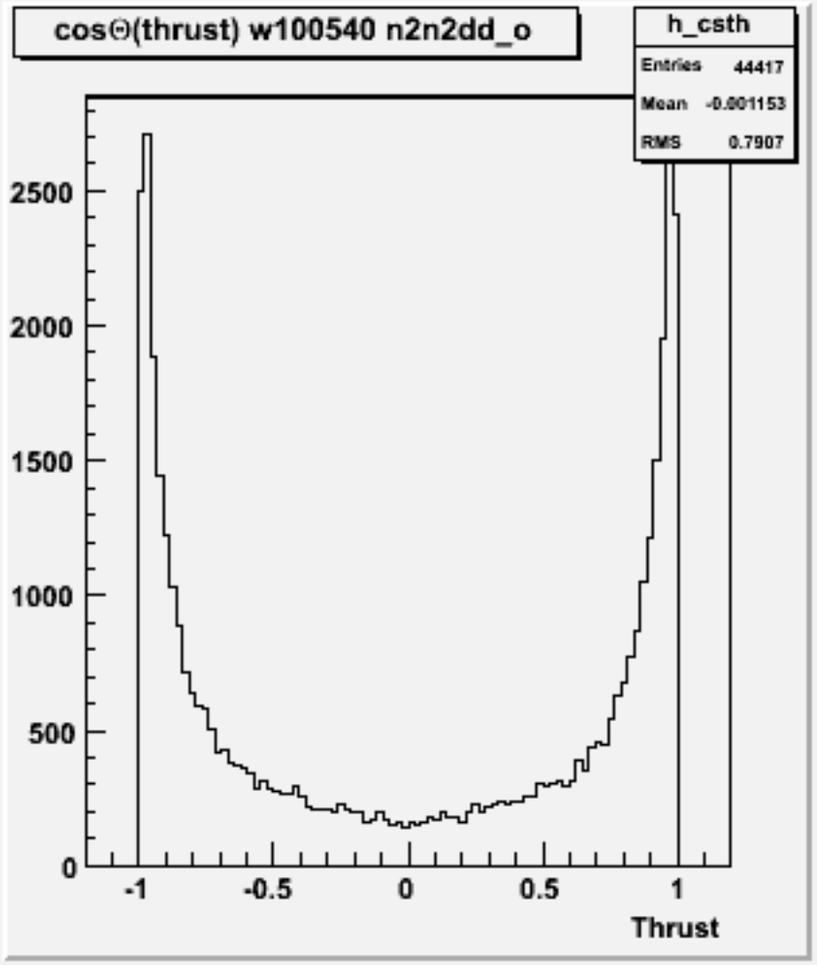

Total Energy (inc. ν): w100540 n2n2dd_o
h_etotc
Entries 40446
Mean 348.6
RMS 2.314
Total Energy(GeV)

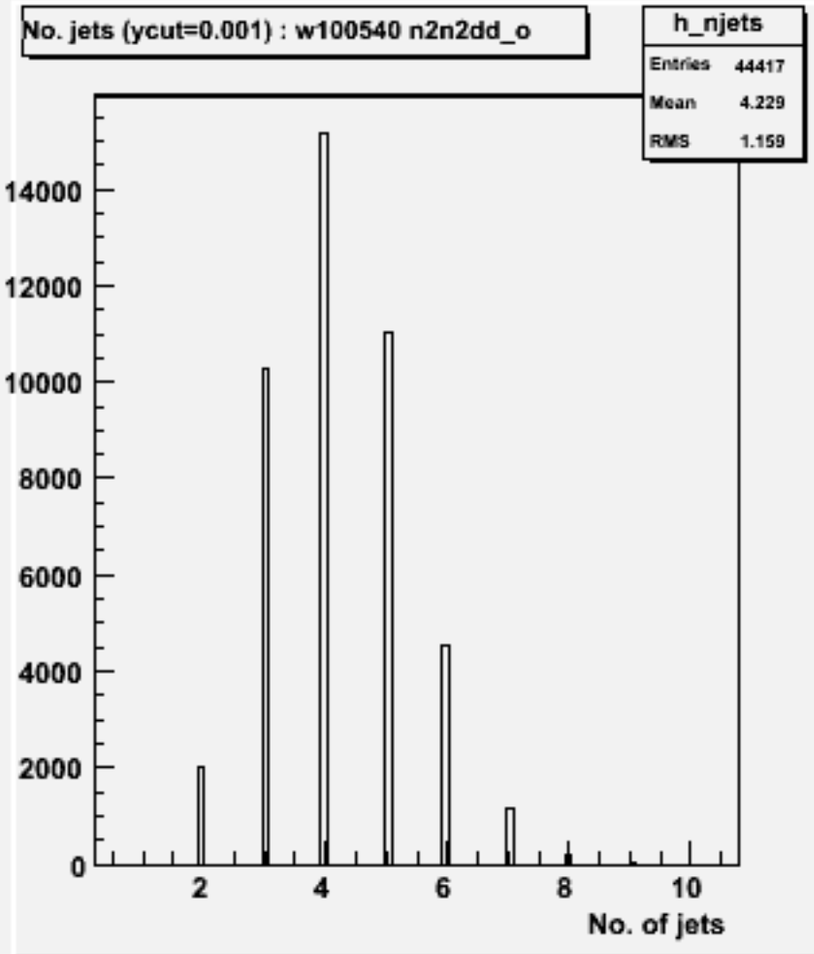

Total Energy (w/o ν): w100540 n2n2dd_o
h_evis
Entries 44417
Mean 180.1
RMS 18.27
Energy(GeV)

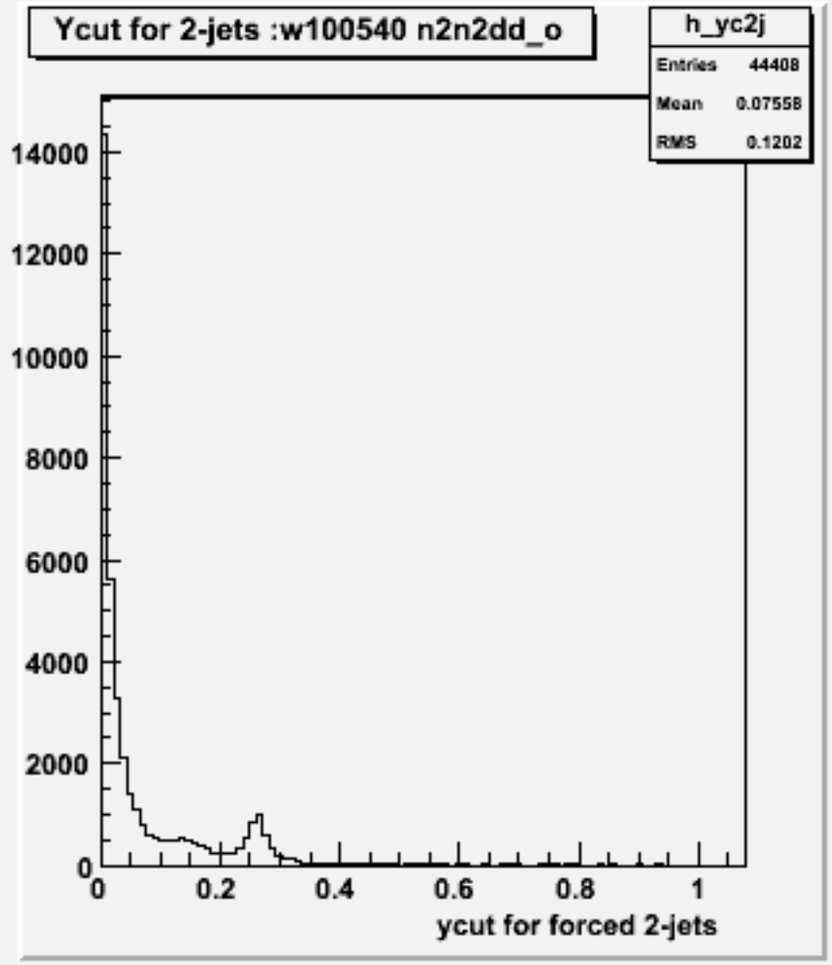

Pt Sum: w100540 n2n2dd_o
h_pt
Entries 44417
Mean 75.37
RMS 40.51
Pt(sum) (GeV)

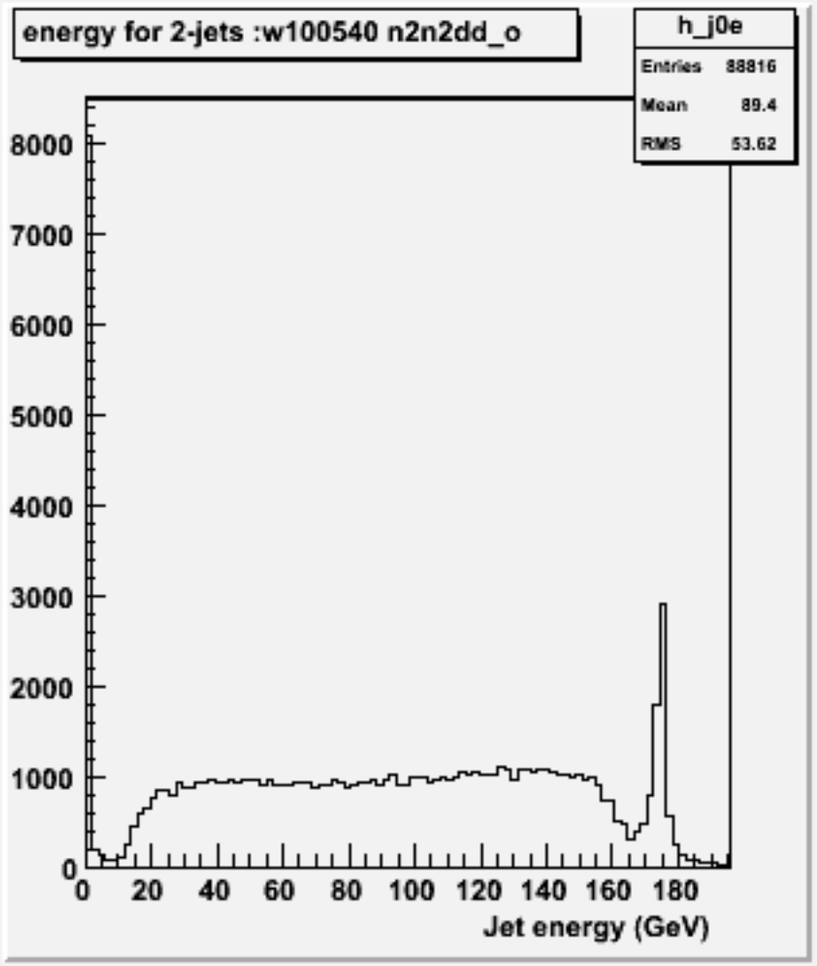

Pz Sum: w100540 n2n2dd_o
h_pz
Entries 44417
Mean 0.2022
RMS 108.4
Pz(sum) (GeV)

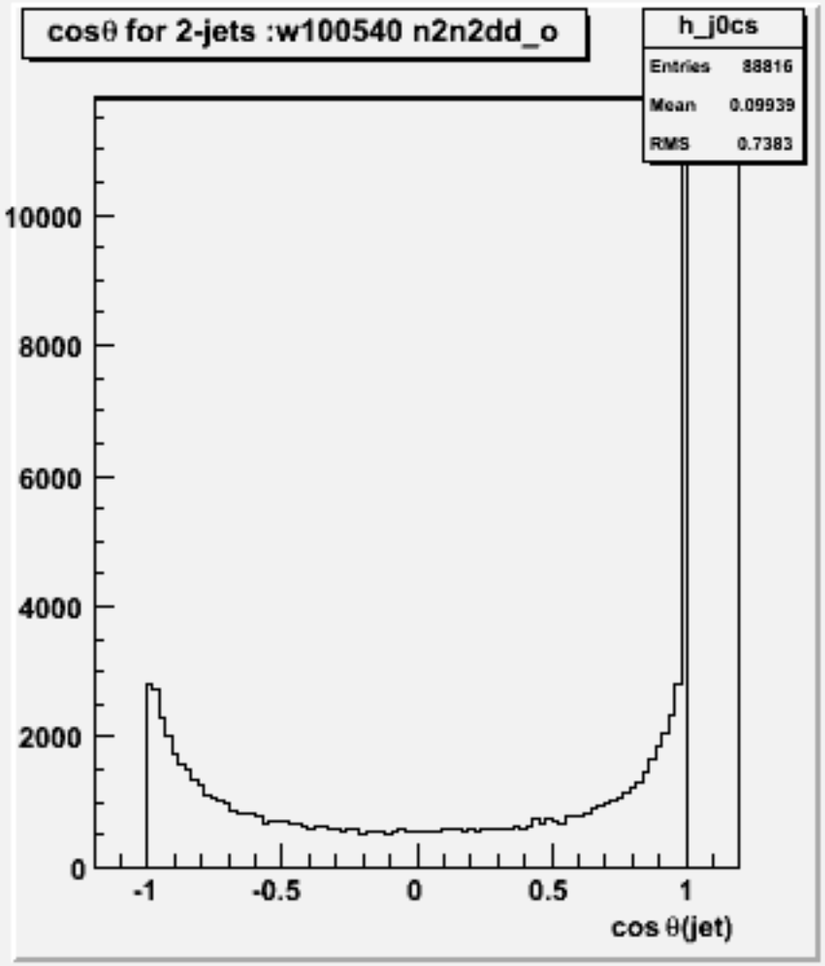

Thrust w100540 n2n2dd_o
h_thrust
Entries 44417
Mean 0.8535
RMS 0.06193
Thrust

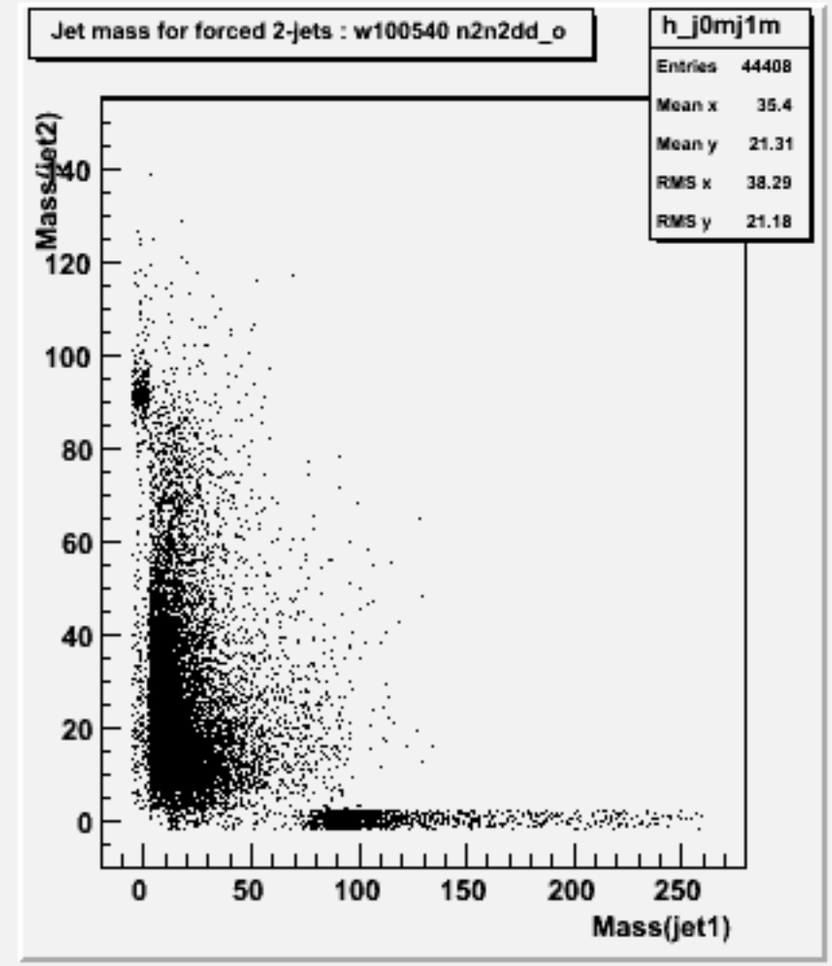

cosΘ(thrust) w100540 n2n2dd_o
h_csth
Entries 44417
Mean -0.001153
RMS 0.7907
Thrust

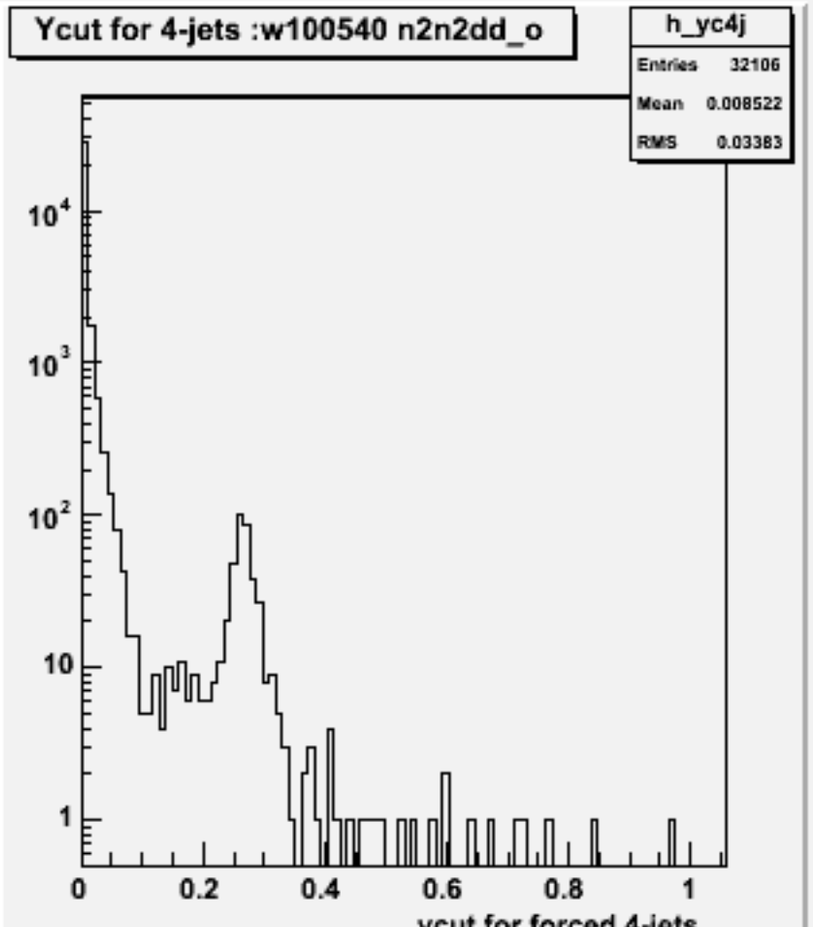

No. jets (ycut=0.001) : w100540 n2n2dd_o
h_njets
Entries 44417
Mean 4.229
RMS 1.159
No. of jets

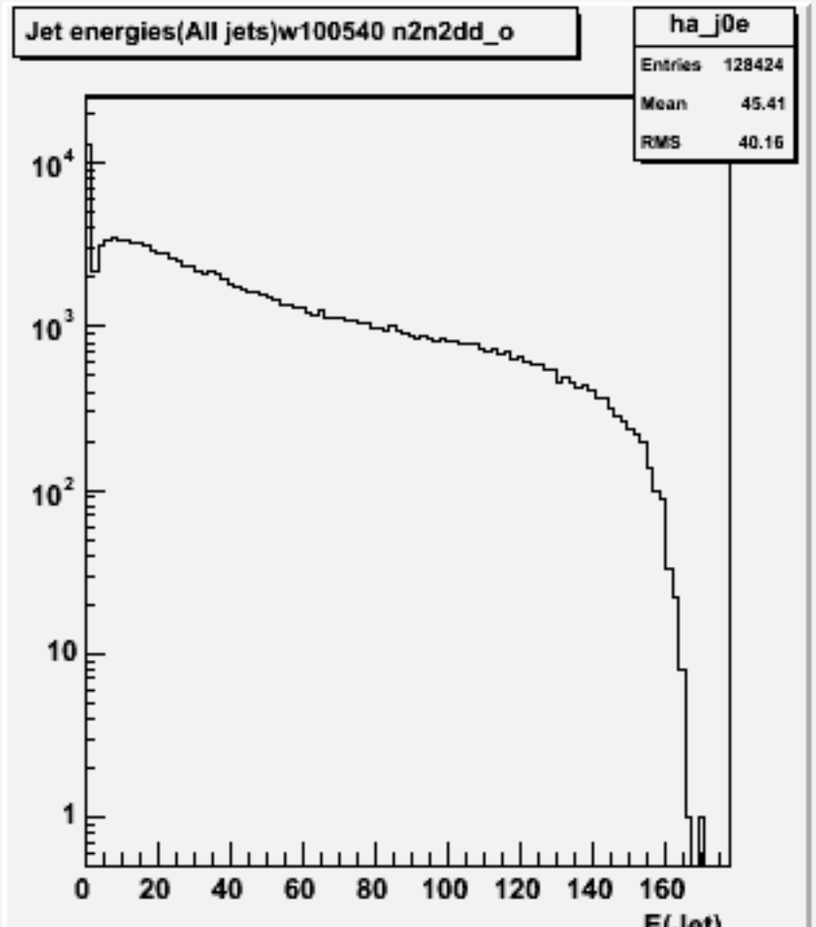

Ycut for 2-jets :w100540 n2n2dd_o
h_yc2j
Entries 44408
Mean 0.07558
RMS 0.1202
ycut for forced 2-jets

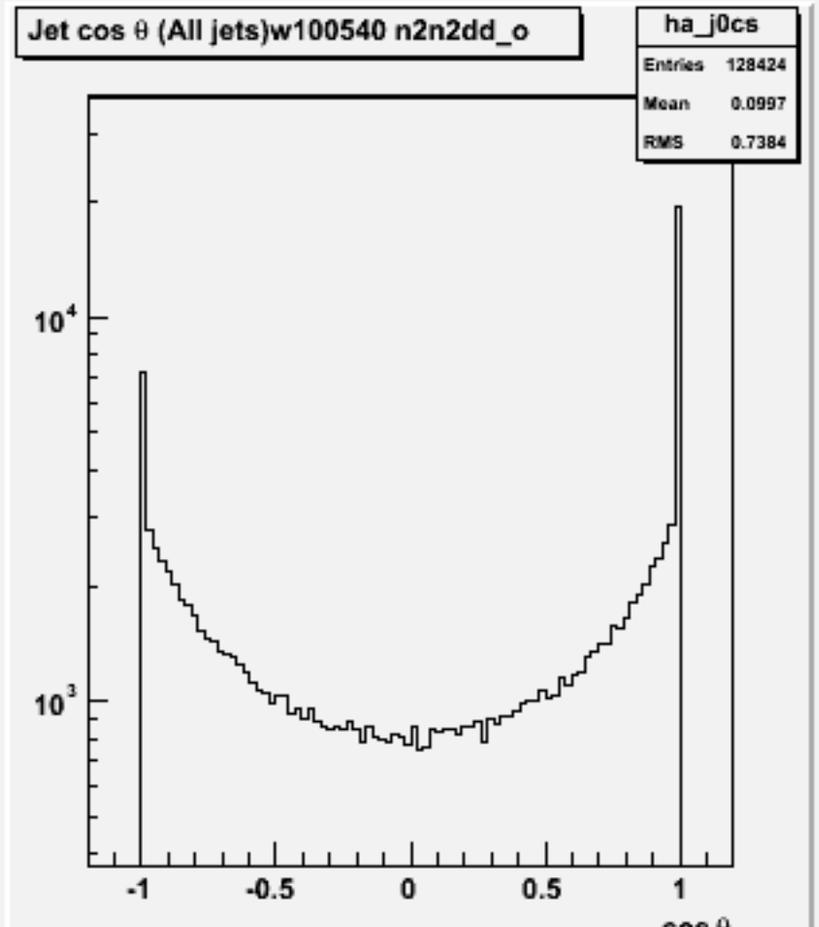

energy for 2-jets :w100540 n2n2dd_o
h_j0e
Entries 88816
Mean 89.4
RMS 53.62
Jet energy (GeV)

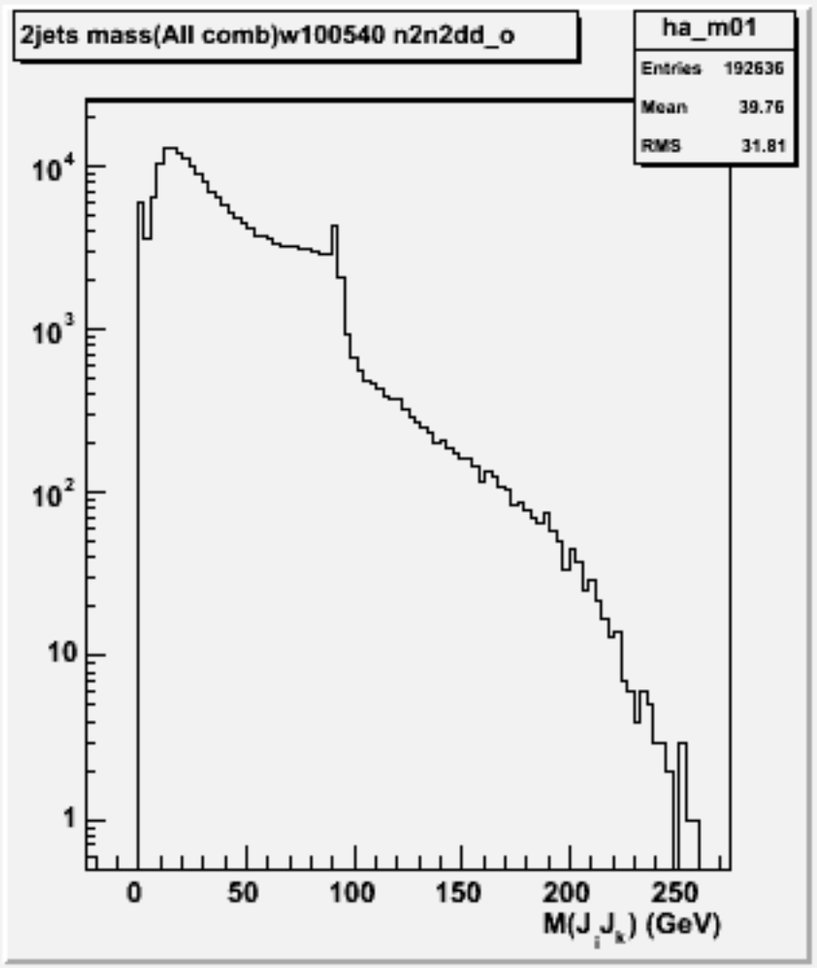

cosθ for 2-jets :w100540 n2n2dd_o
h_j0cs
Entries 88816
Mean 0.09939
RMS 0.7383
cos θ(jet)

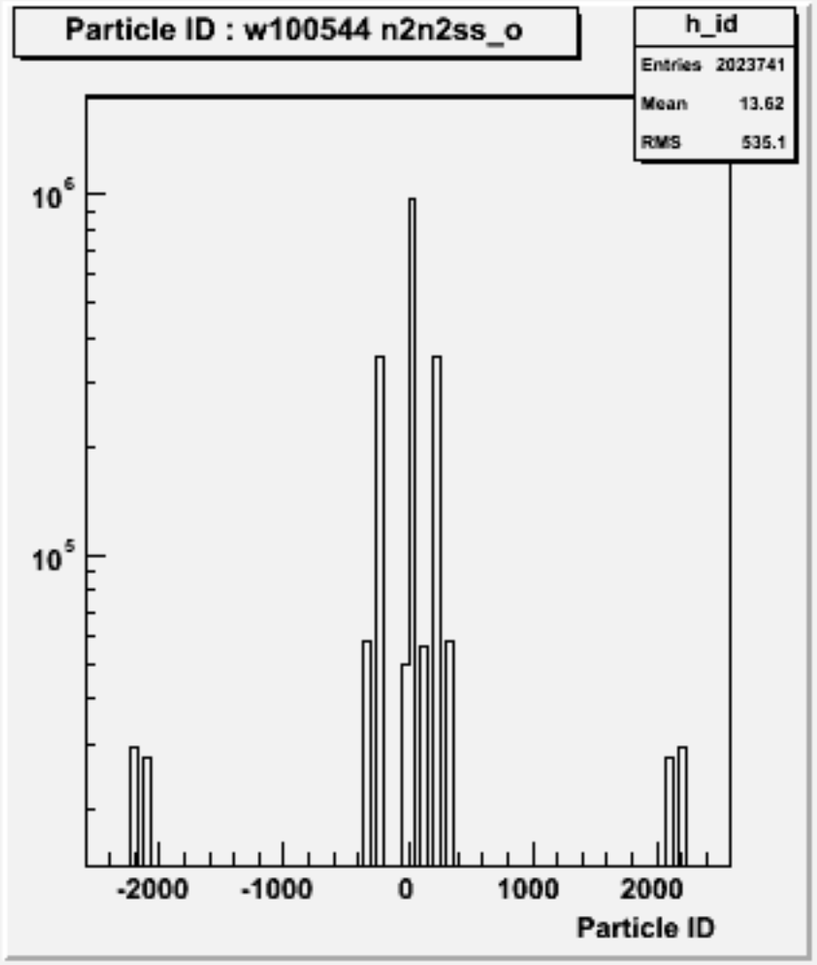

Jet mass for forced 2-jets : w100540 n2n2dd_o
h_j0mj1m
Entries 44408
Mean x 35.4
Mean y 21.31
RMS x 38.29
RMS y 21.18
Mass(jet2)
Mass(jet1)

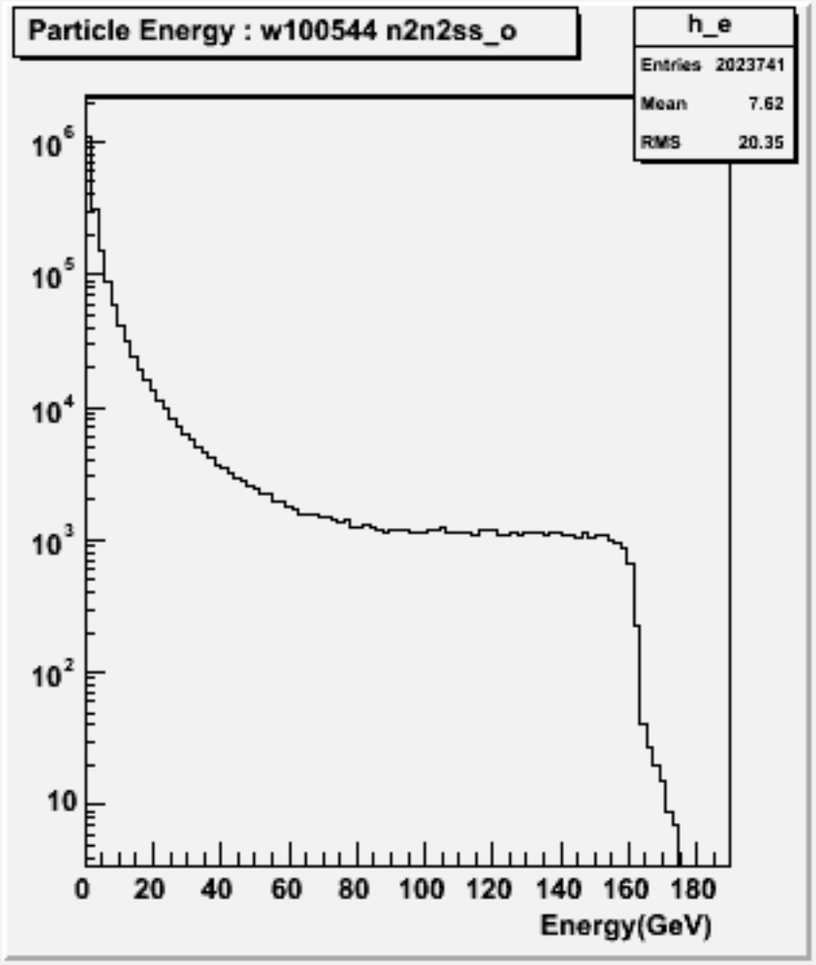

Ycut for 4-jets :w100540 n2n2dd_o
h_yc4j
Entries 32106
Mean 0.008522
RMS 0.03383
ycut for forced 4-jets

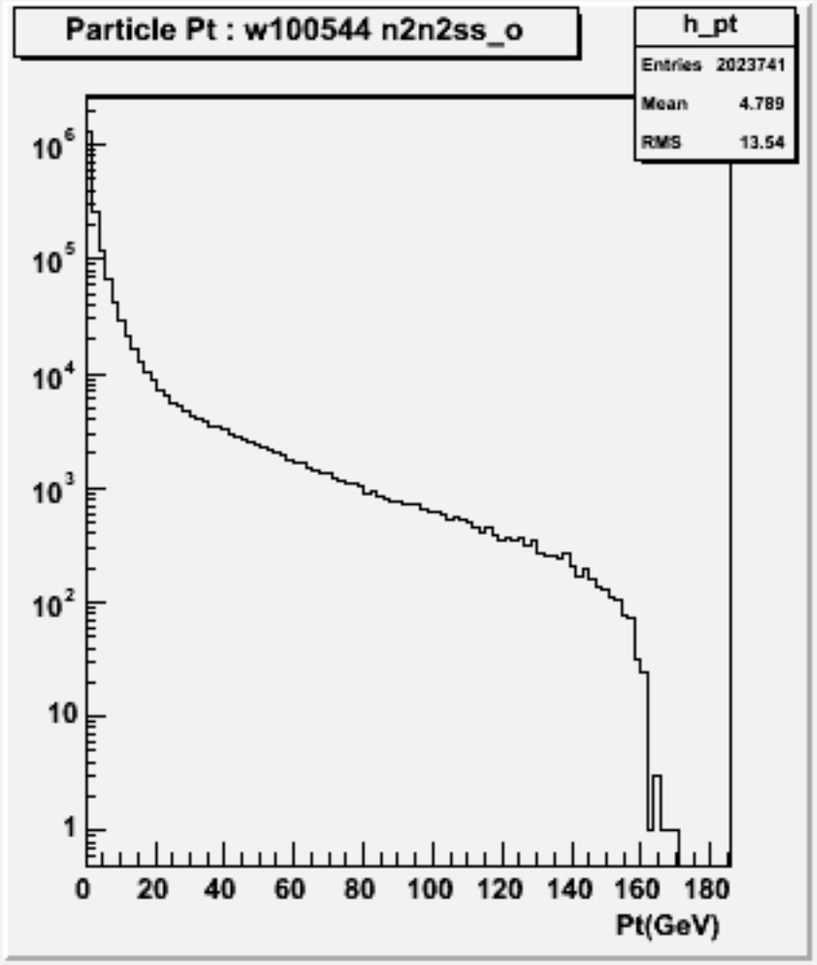

Jet energies(All jets)w100540 n2n2dd_o
ha_j0e
Entries 128424
Mean 45.41
RMS 40.16
E(Jet)

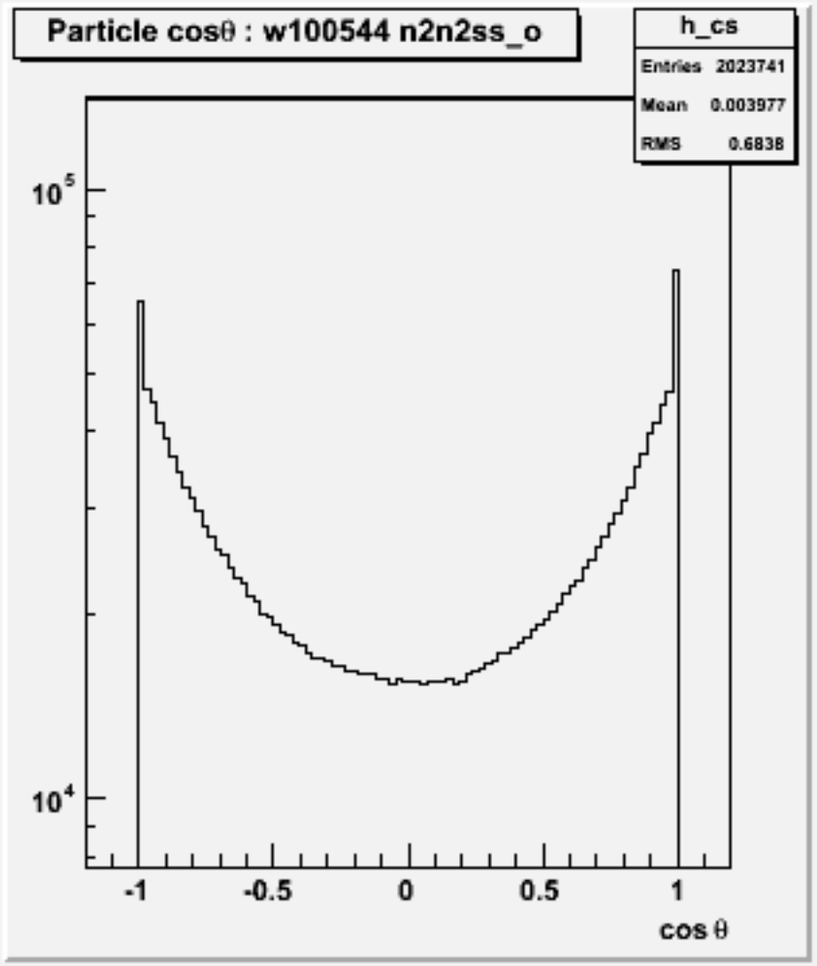

Jet cos θ (All jets)w100540 n2n2dd_o
ha_j0cs
Entries 128424
Mean 0.0997
RMS 0.7384
cos θ

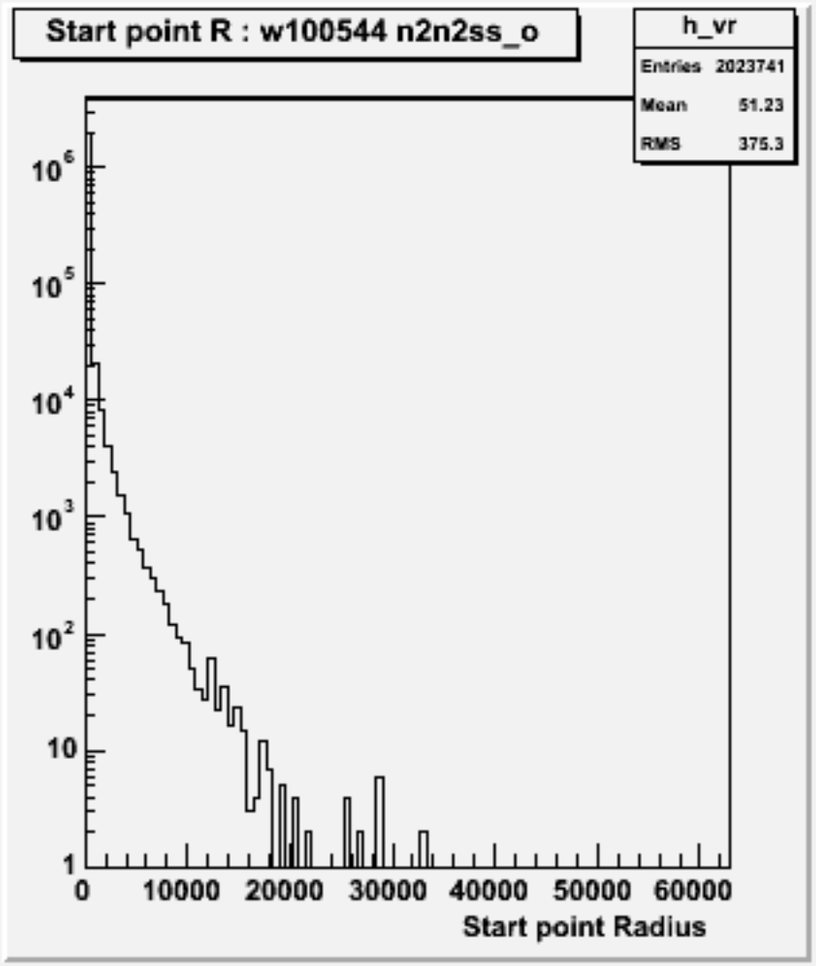

2jets mass(All comb)w100540 n2n2dd_o
ha_m01
Entries 192636
Mean 39.76
RMS 31.81
M(J_iJ_k) (GeV)

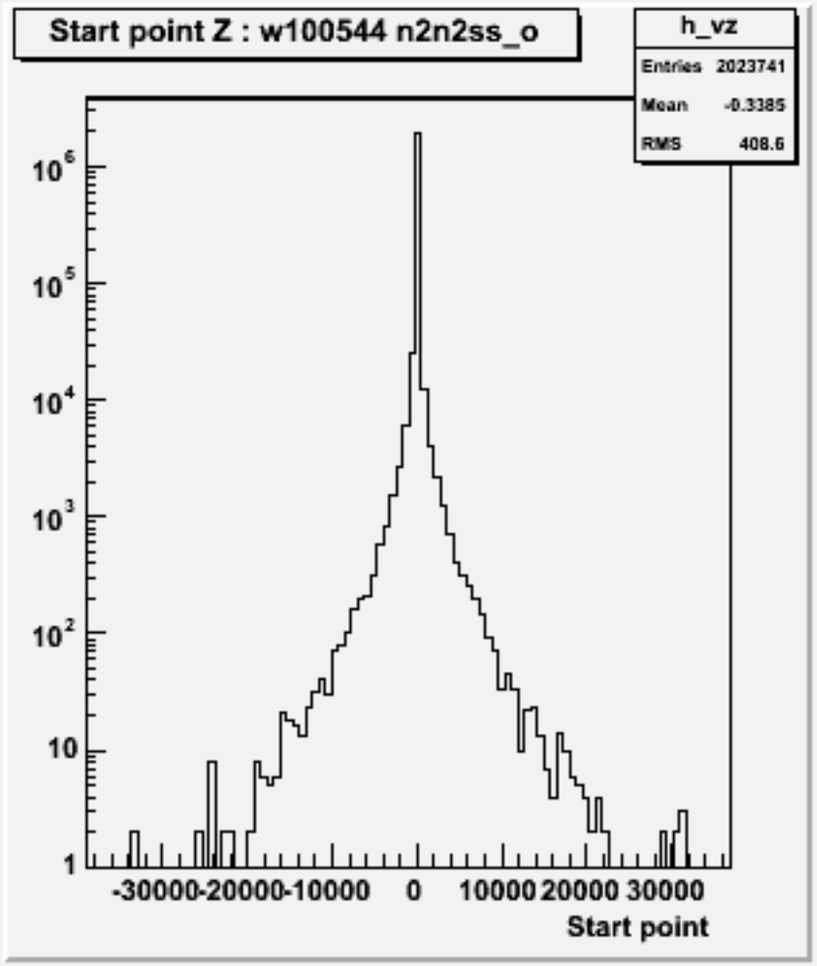

Particle ID : w100544 n2n2ss_o
h_id
Entries 2023741
Mean 13.62
RMS 535.1
Particle ID

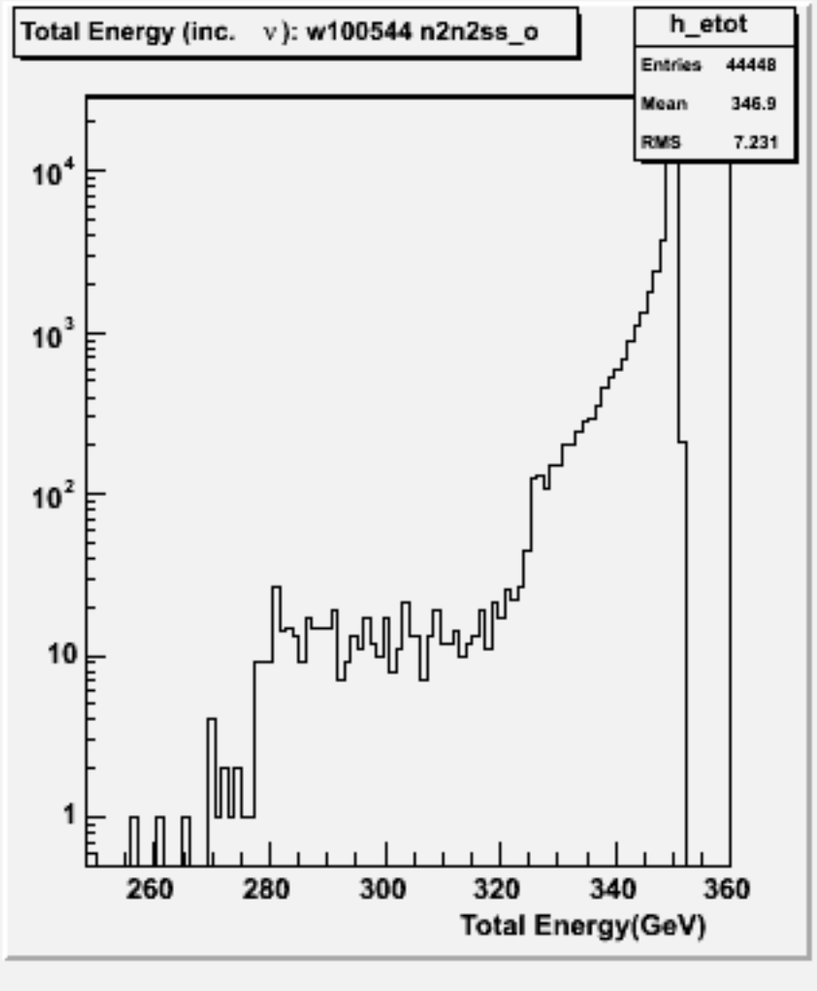

Particle Energy : w100544 n2n2ss_o
h_e
Entries 2023741
Mean 7.62
RMS 20.35
Energy(GeV)

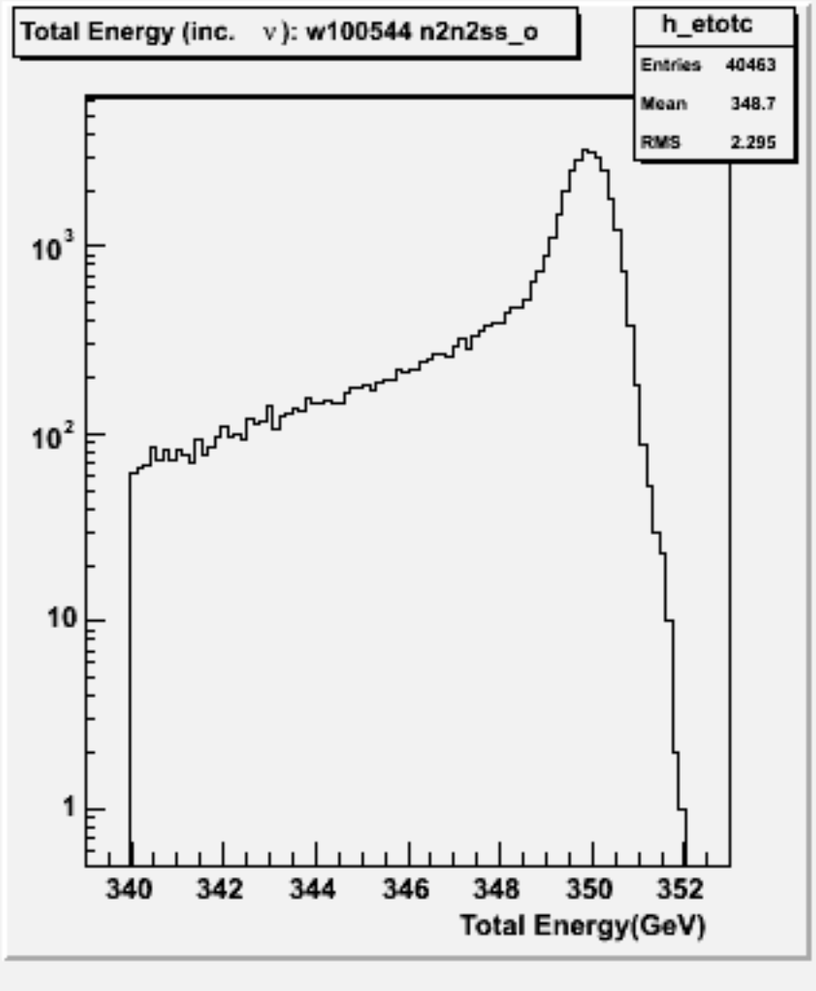

Particle Pt : w100544 n2n2ss_o
h_pt
Entries 2023741
Mean 4.789
RMS 13.54
Pt(GeV)

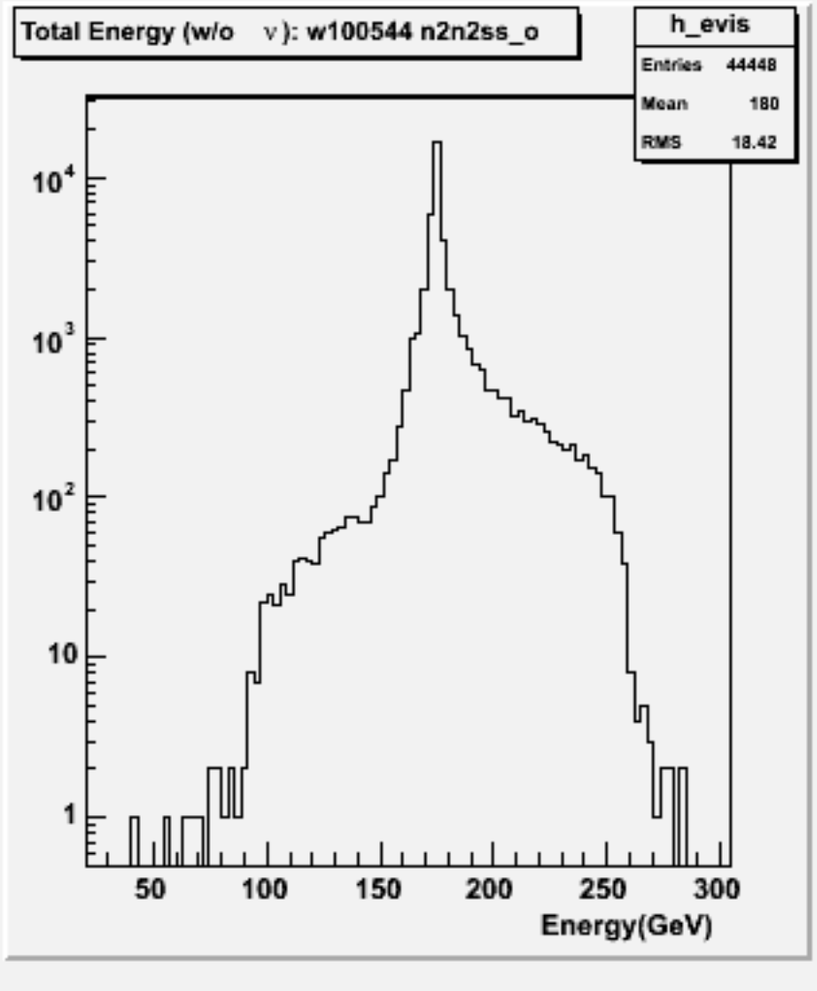

Particle cosθ : w100544 n2n2ss_o
h_cs
Entries 2023741
Mean 0.003977
RMS 0.6838
cos θ

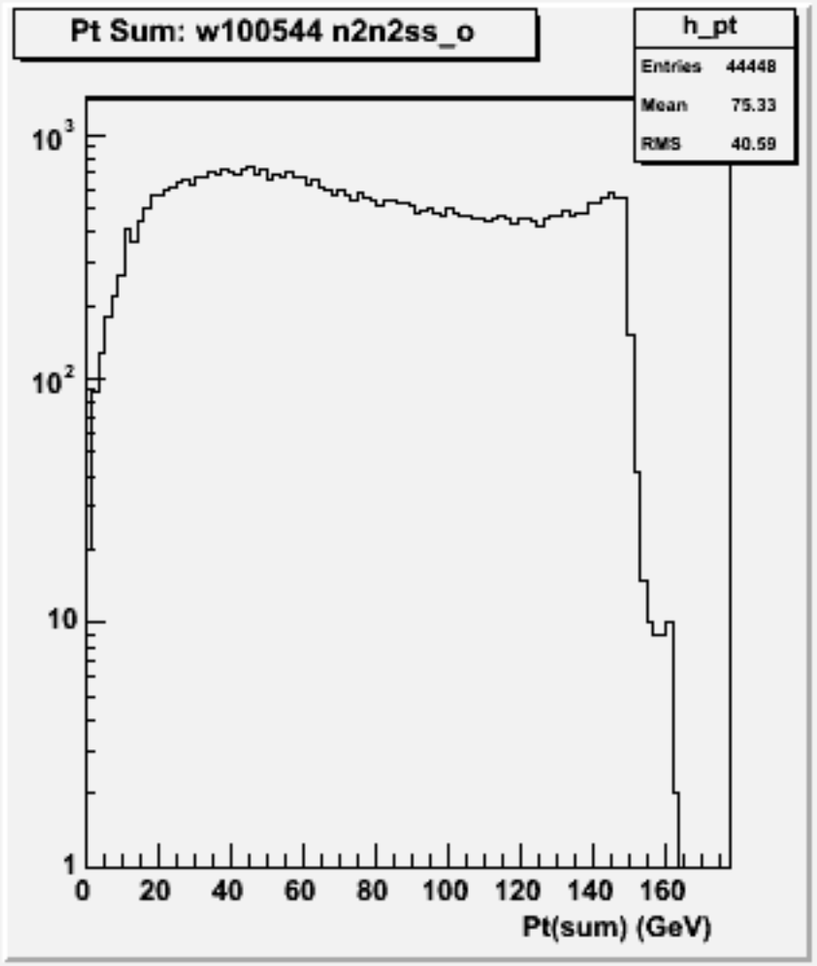

Start point R : w100544 n2n2ss_o
h_vr
Entries 2023741
Mean 51.23
RMS 375.3
Start point Radius

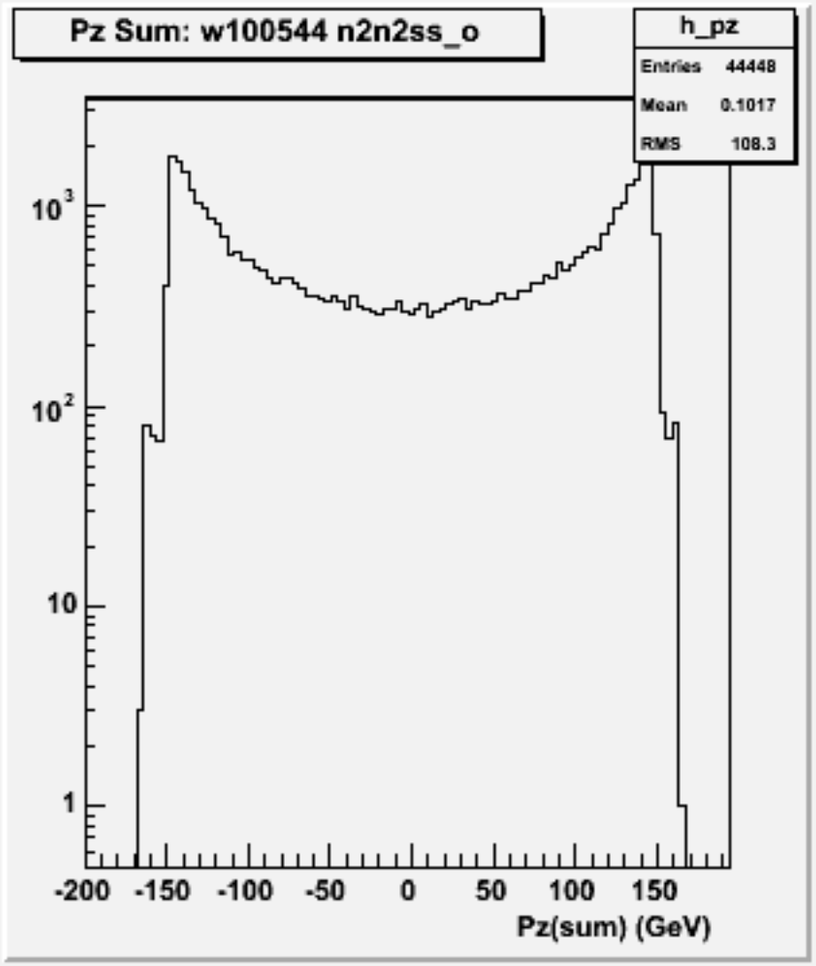

Start point Z : w100544 n2n2ss_o
h_vz
Entries 2023741
Mean -0.3385
RMS 408.6
Start point

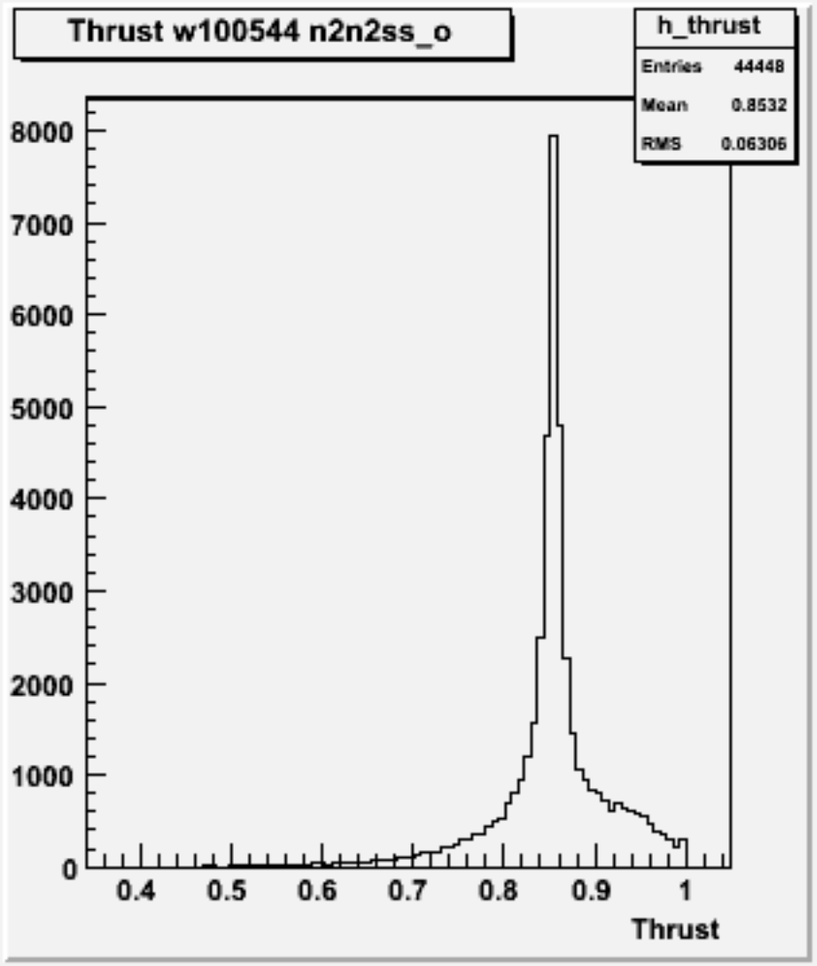

Total Energy (inc. ν): w100544 n2n2ss_o
h_etot
Entries 44448
Mean 346.9
RMS 7.231
Total Energy(GeV)

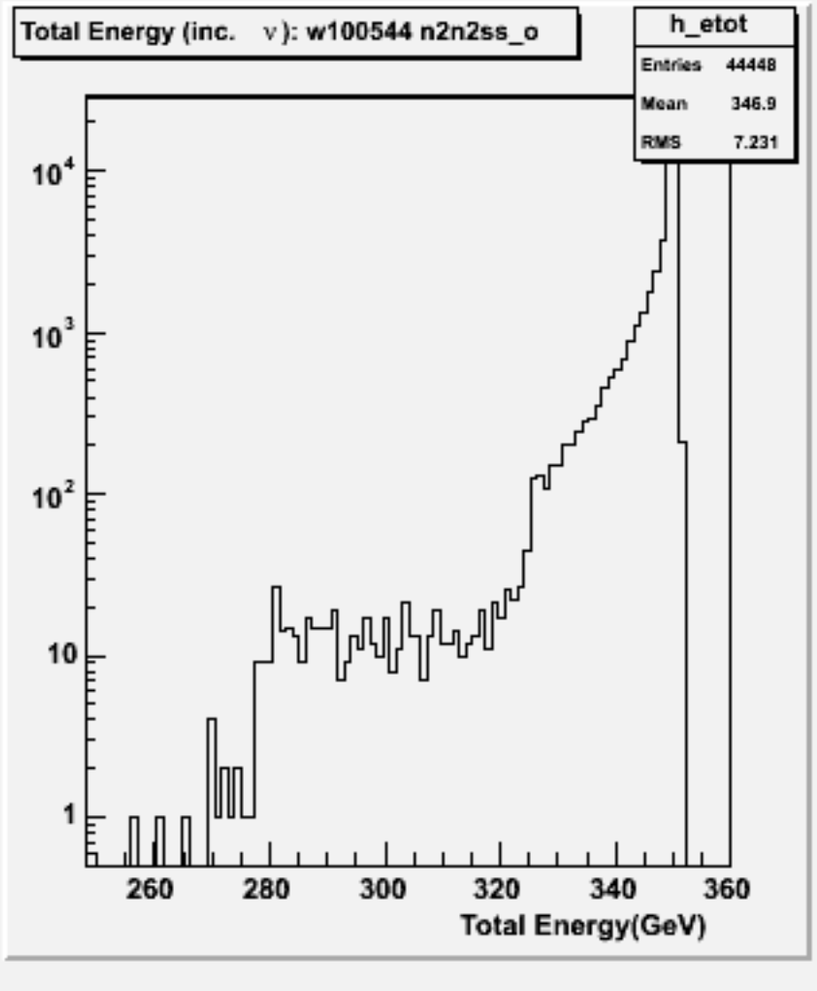

Total Energy (inc. ν): w100544 n2n2ss_o
h_etotc
Entries 40463
Mean 348.7
RMS 2.295
Total Energy(GeV)

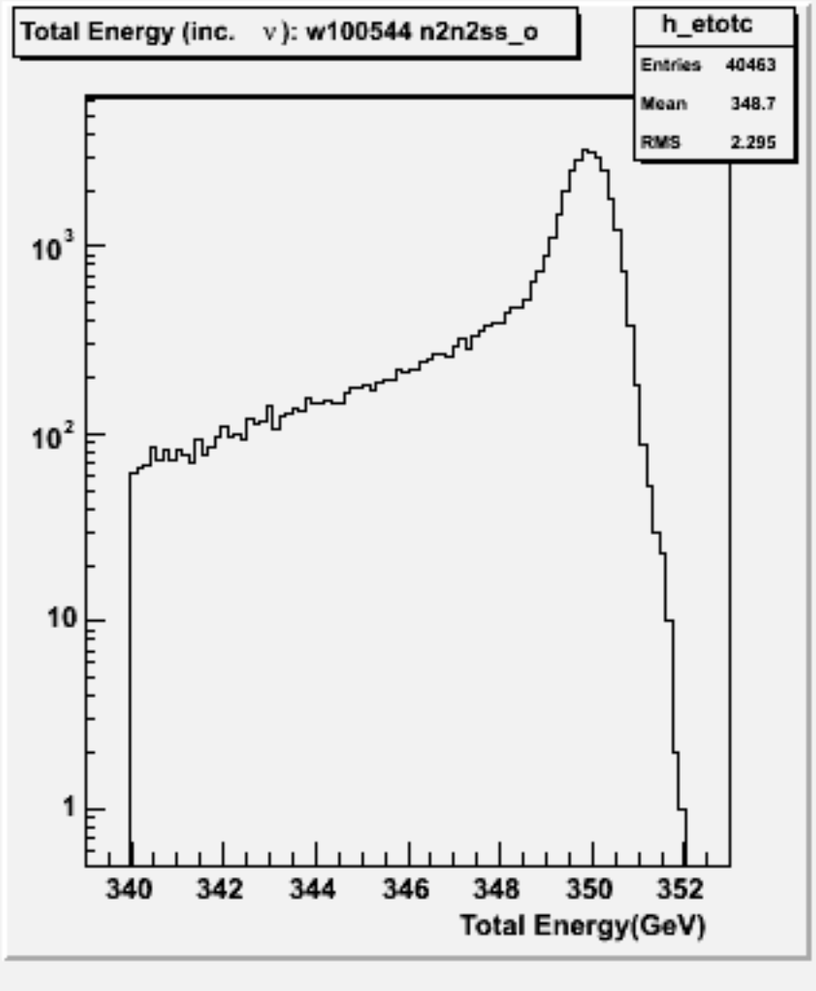

Total Energy (w/o ν): w100544 n2n2ss_o
h_evis
Entries 44448
Mean 180
RMS 18.42
Energy(GeV)

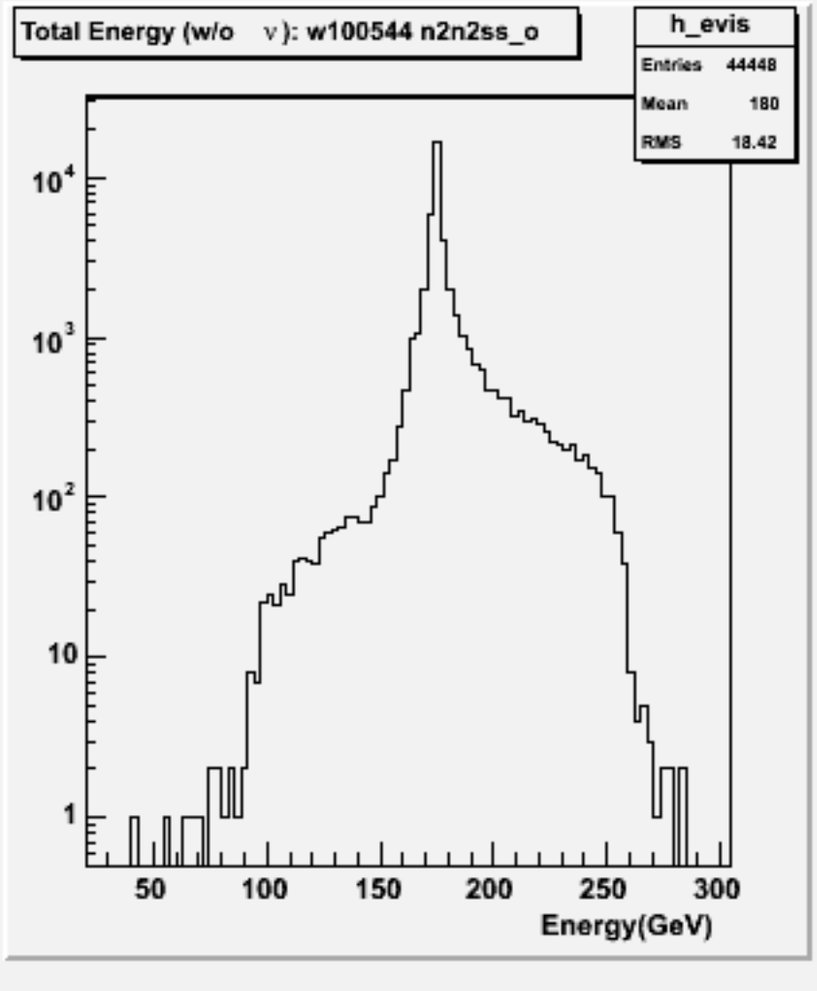

Pt Sum: w100544 n2n2ss_o
h_pt
Entries 44448
Mean 75.33
RMS 40.59
Pt(sum) (GeV)

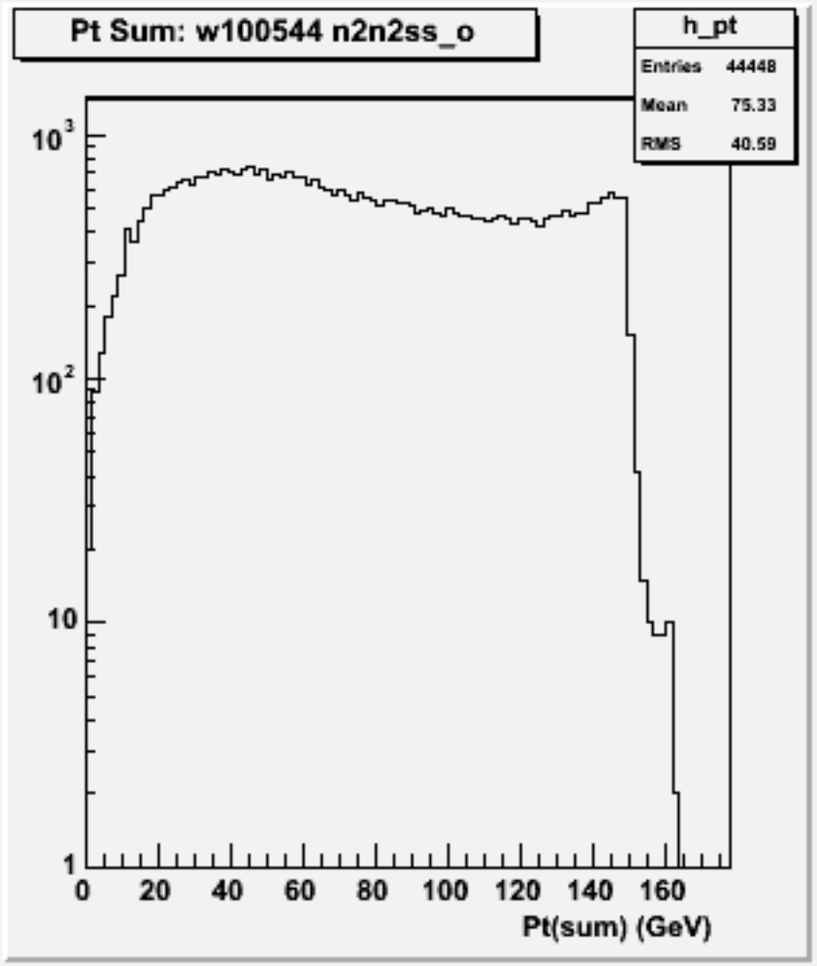

Pz Sum: w100544 n2n2ss_o
h_pz
Entries 44448
Mean 0.1017
RMS 108.3
Pz(sum) (GeV)

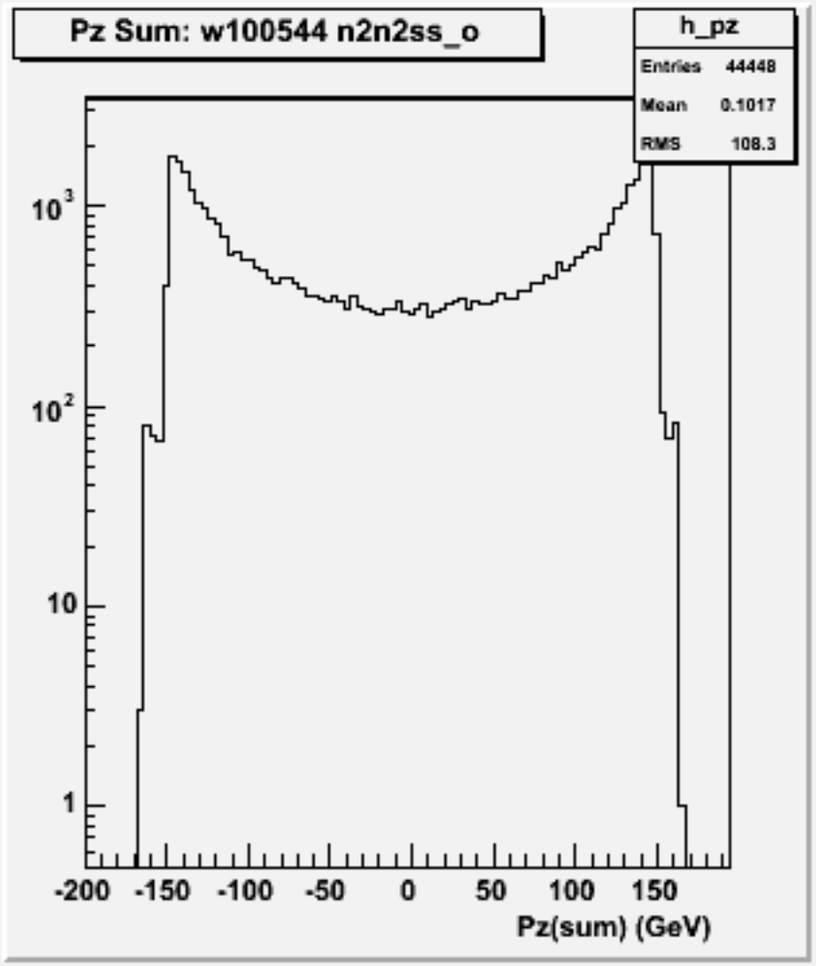

Thrust w100544 n2n2ss_o
h_thrust
Entries 44448
Mean 0.8532
RMS 0.06306
Thrust

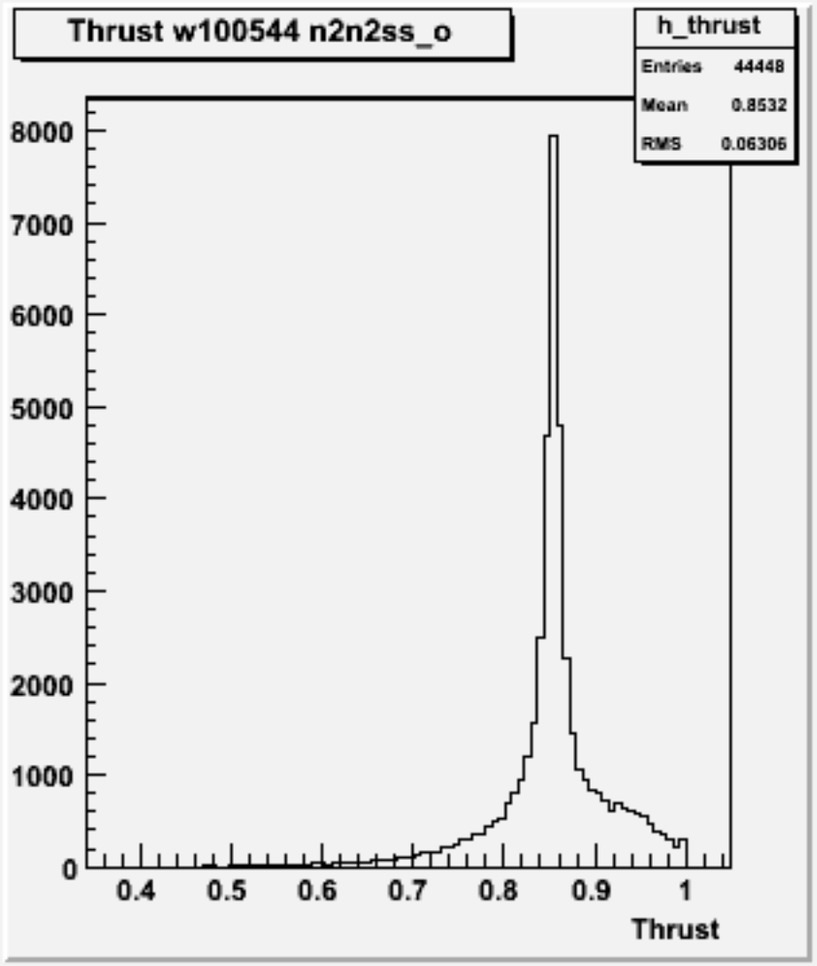

Total Energy (inc. ν): w100544 n2n2ss_o
h_etot
Entries 44448
Mean 346.9
RMS 7.231
Total Energy(GeV)

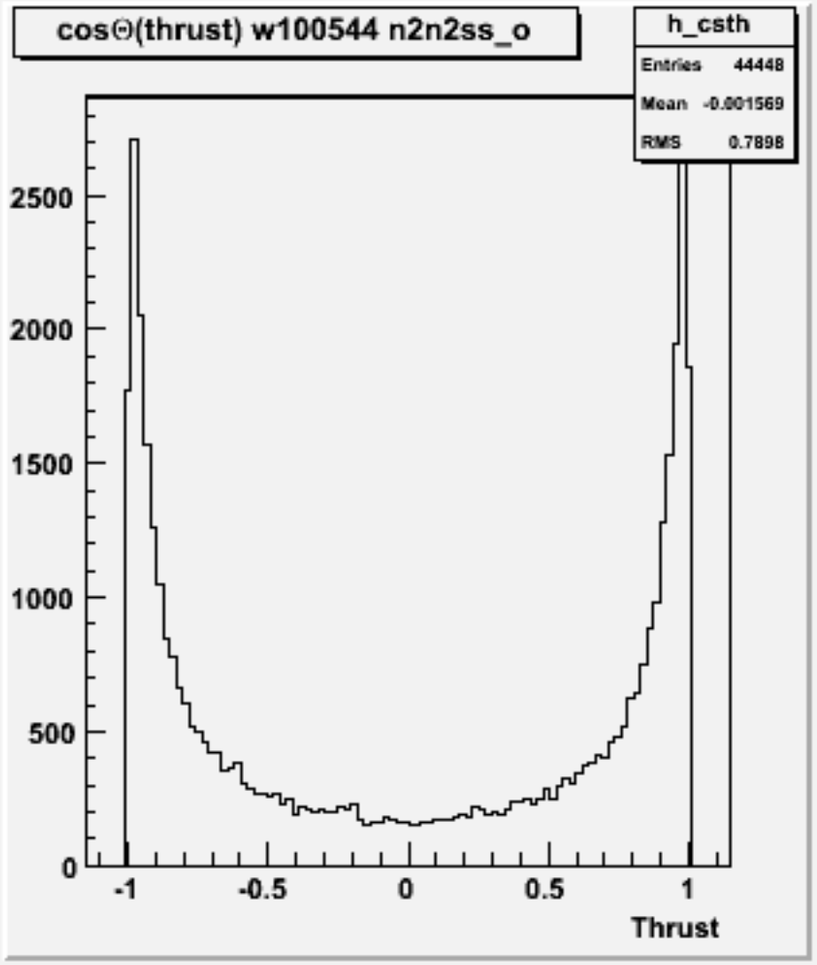

Total Energy (inc. ν): w100544 n2n2ss_o
h_etotc
Entries 40463
Mean 348.7
RMS 2.295
Total Energy(GeV)

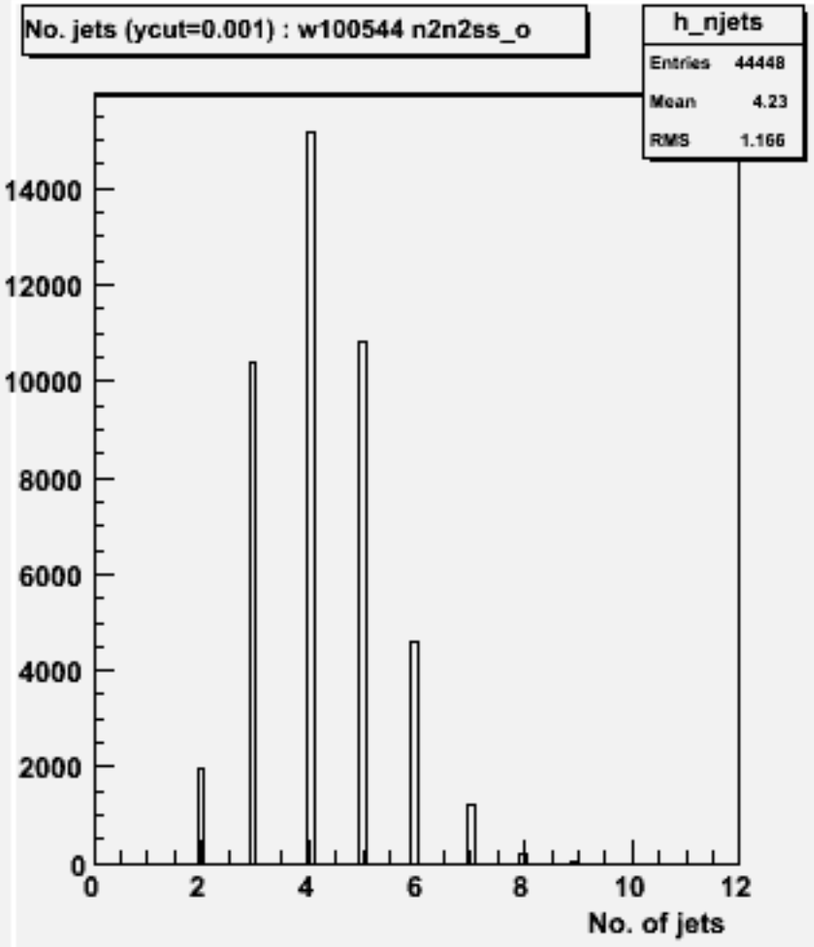

Total Energy (w/o ν): w100544 n2n2ss_o
h_evis
Entries 44448
Mean 180
RMS 18.42
Energy(GeV)

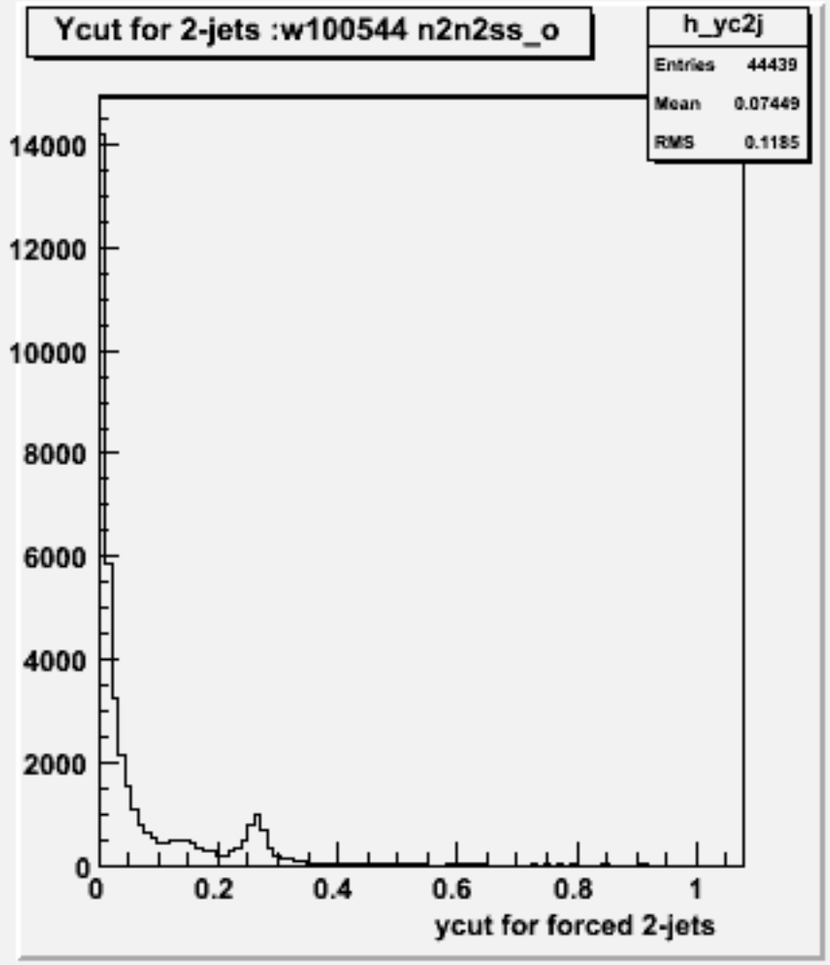

Pt Sum: w100544 n2n2ss_o
h_pt
Entries 44448
Mean 75.33
RMS 40.59
Pt(sum) (GeV)

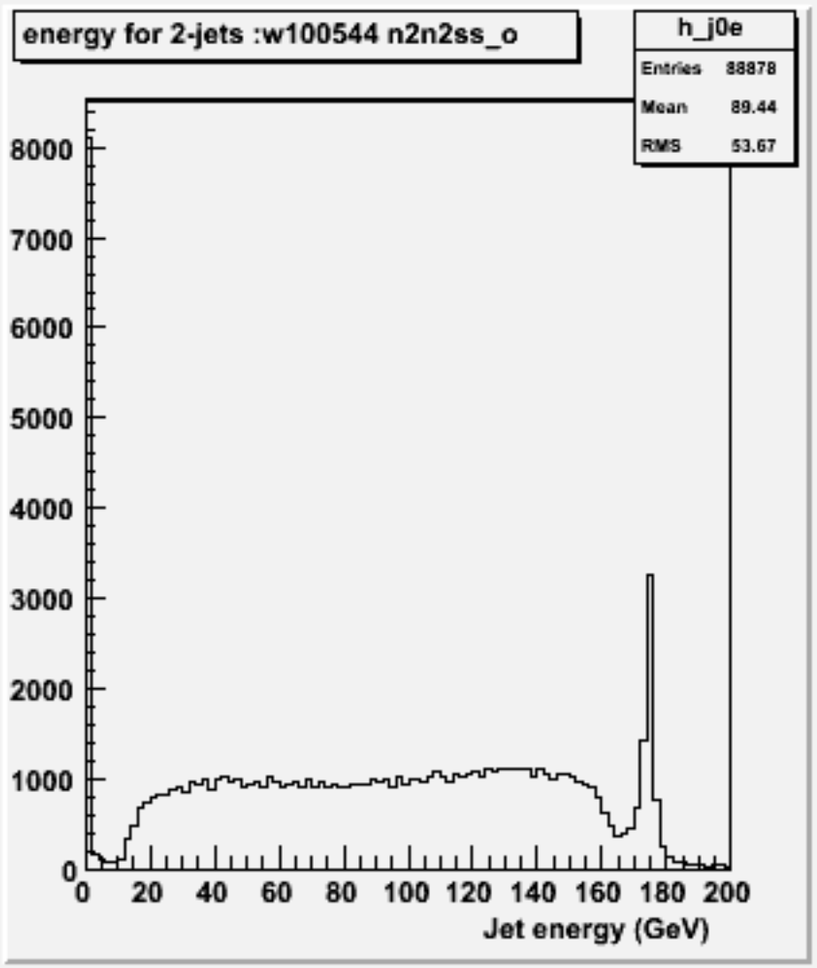

Pz Sum: w100544 n2n2ss_o
h_pz
Entries 44448
Mean 0.1017
RMS 108.3
Pz(sum) (GeV)

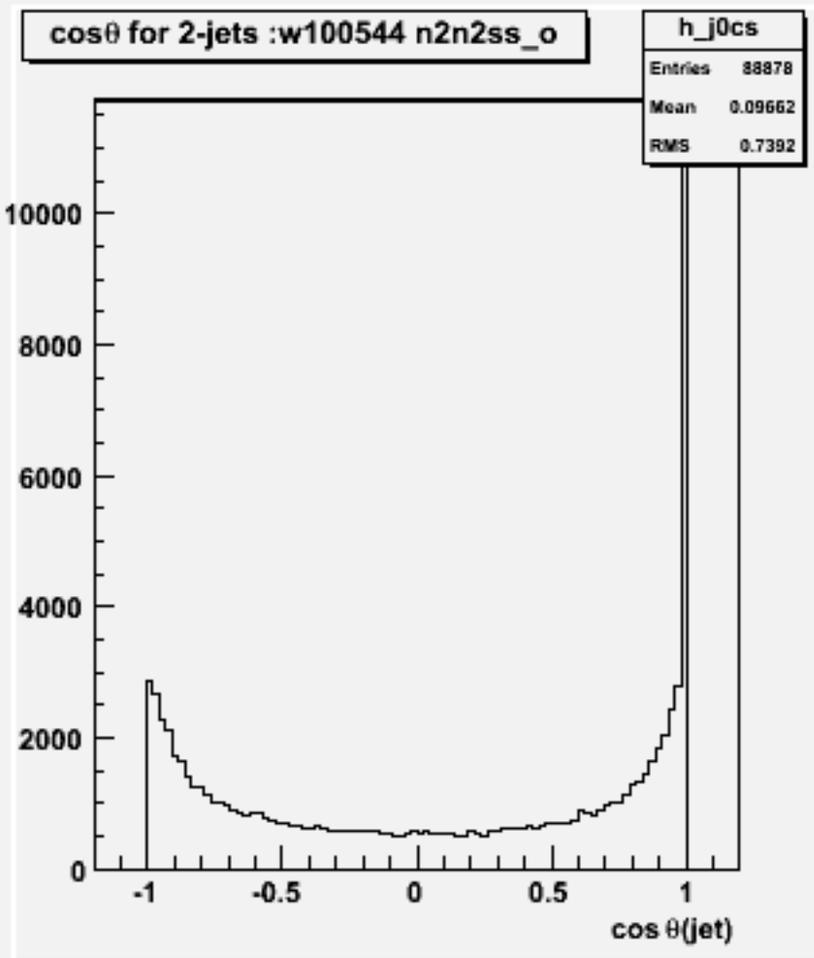

Thrust w100544 n2n2ss_o
h_thrust
Entries 44448
Mean 0.8532
RMS 0.06306
Thrust

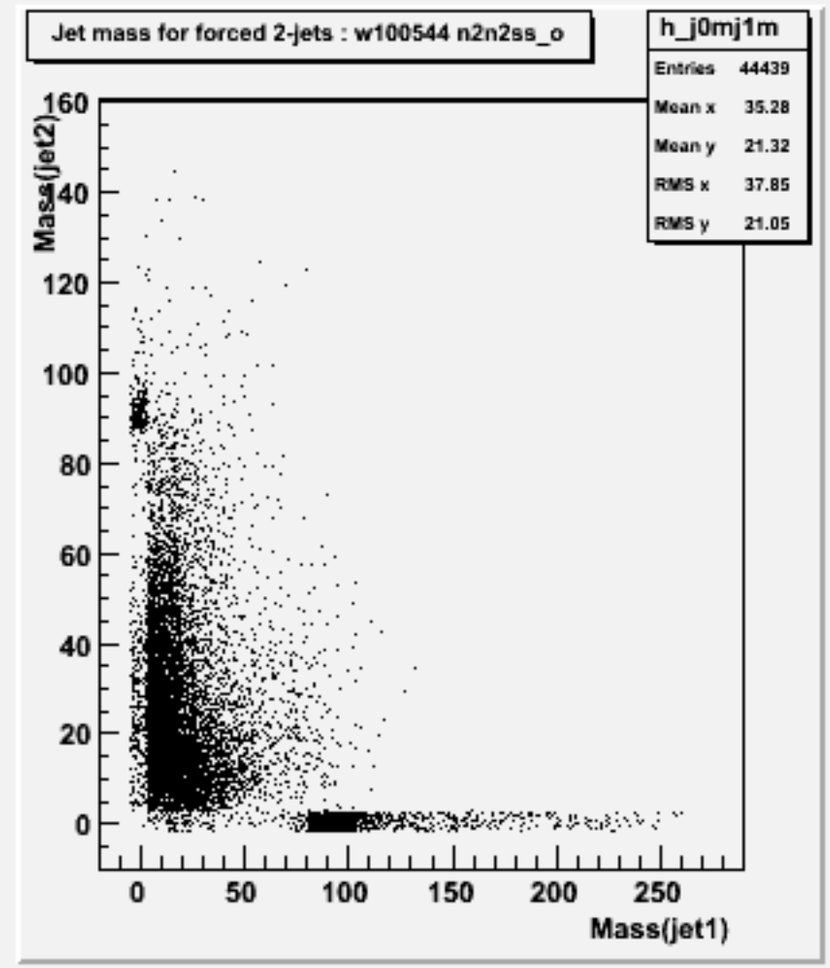

cosΘ(thrust) w100544 n2n2ss_o
h_csth
Entries 44448
Mean -0.001569
RMS 0.7898
Thrust

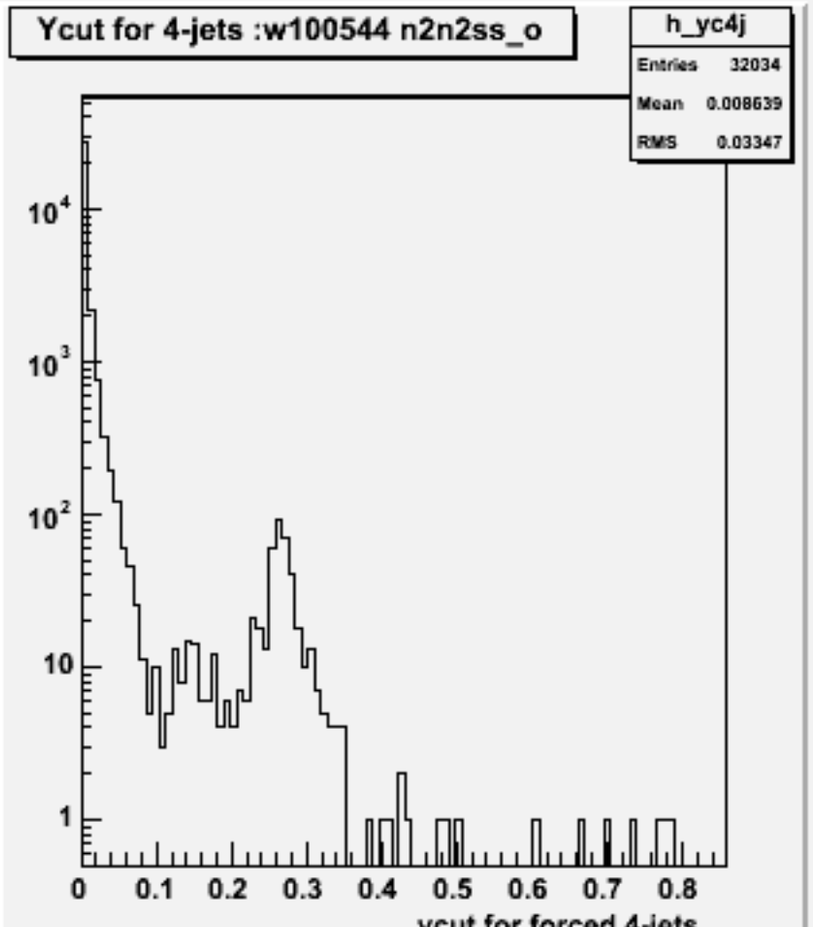

No. jets (ycut=0.001) : w100544 n2n2ss_o
h_njets
Entries 44448
Mean 4.23
RMS 1.166
No. of jets

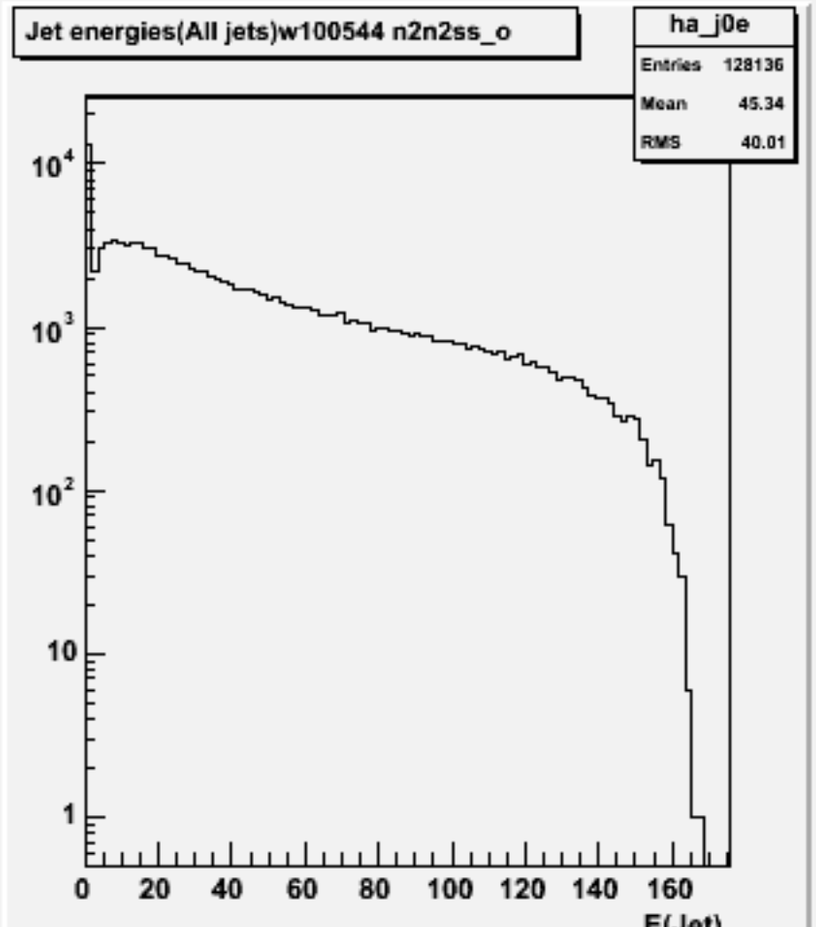

Ycut for 2-jets :w100544 n2n2ss_o
h_yc2j
Entries 44439
Mean 0.07449
RMS 0.1185
ycut for forced 2-jets

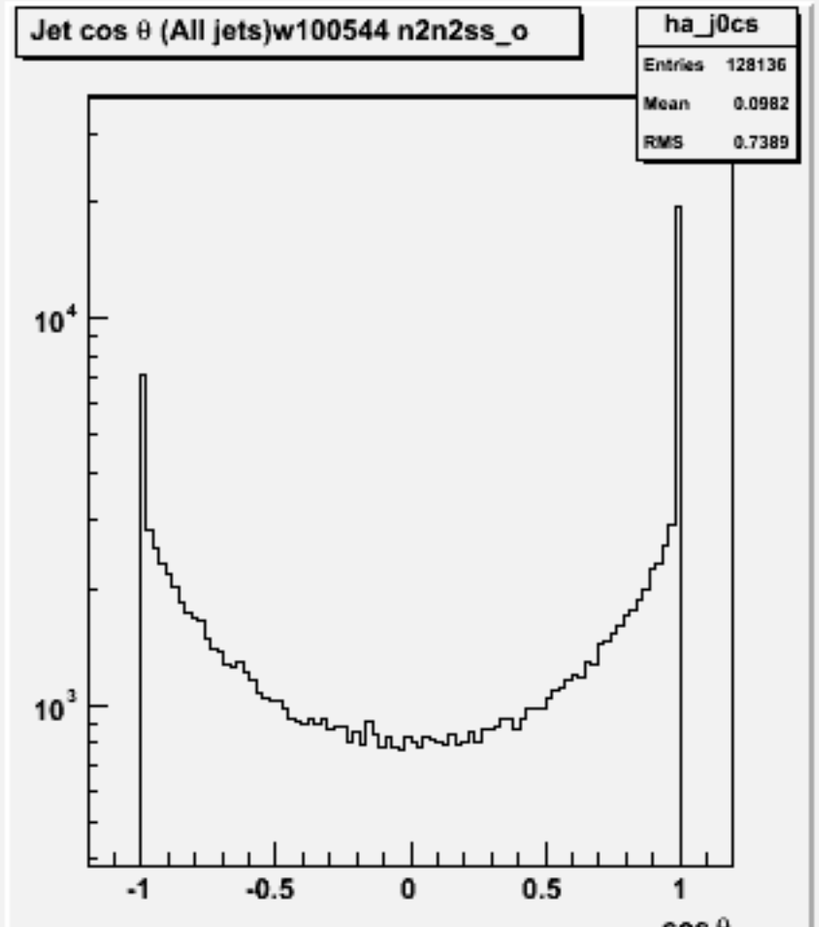

energy for 2-jets :w100544 n2n2ss_o
h_j0e
Entries 88878
Mean 89.44
RMS 53.67
Jet energy (GeV)

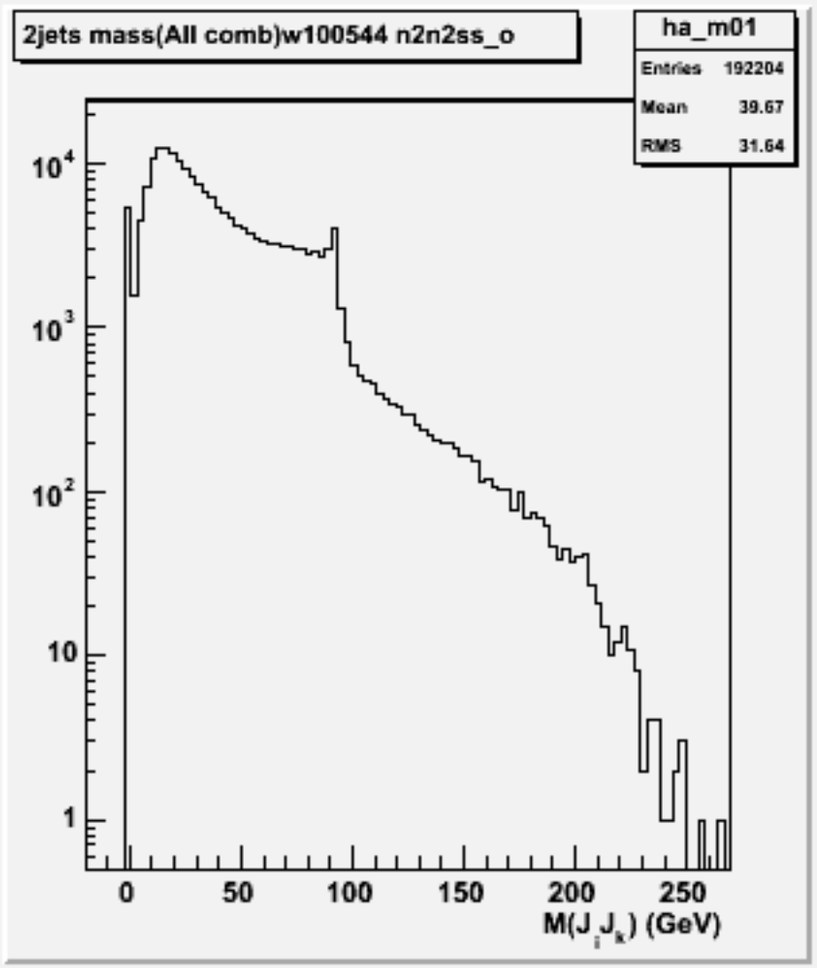

cosθ for 2-jets :w100544 n2n2ss_o
h_j0cs
Entries 88878
Mean 0.09662
RMS 0.7392
cos θ(jet)

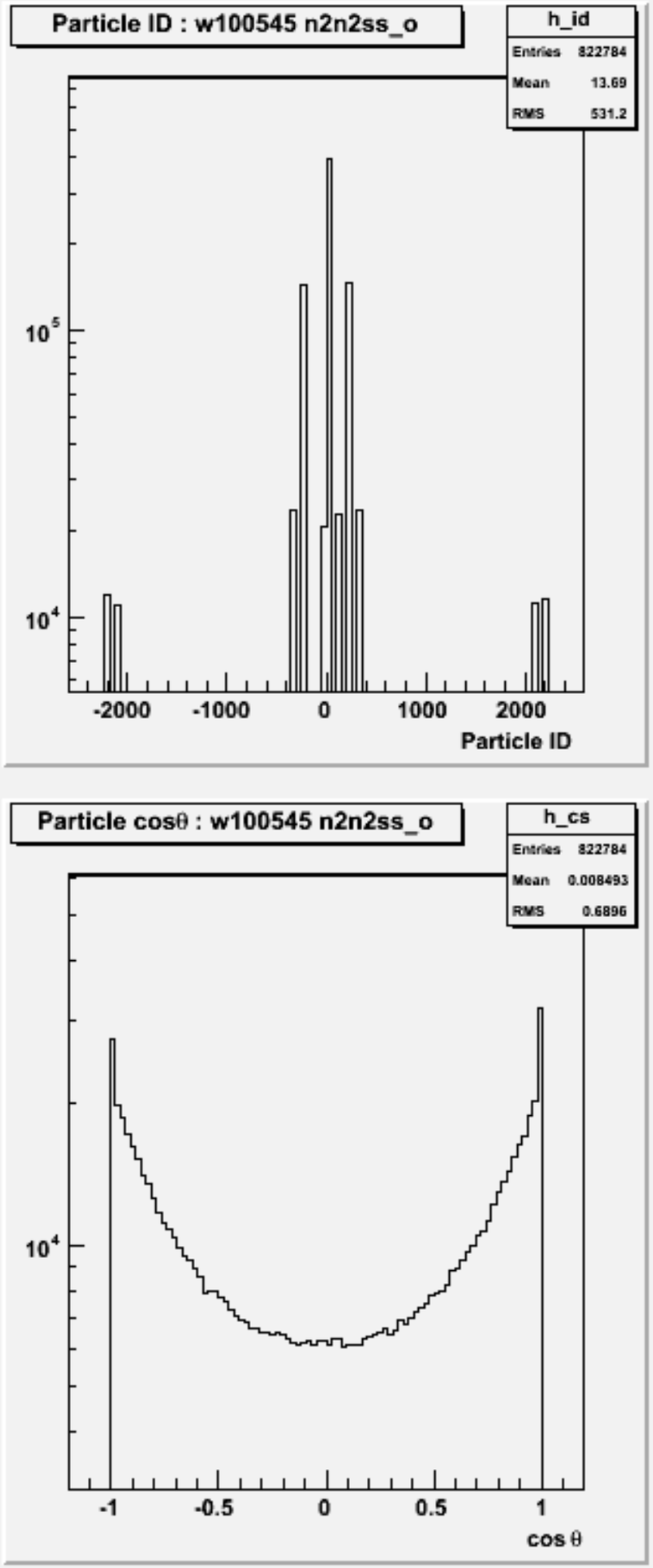

Jet mass for forced 2-jets : w100544 n2n2ss_o
h_j0mj1m
Entries 44439
Mean x 35.28
Mean y 21.32
RMS x 37.85
RMS y 21.05
Mass(jet2)
Mass(jet1)

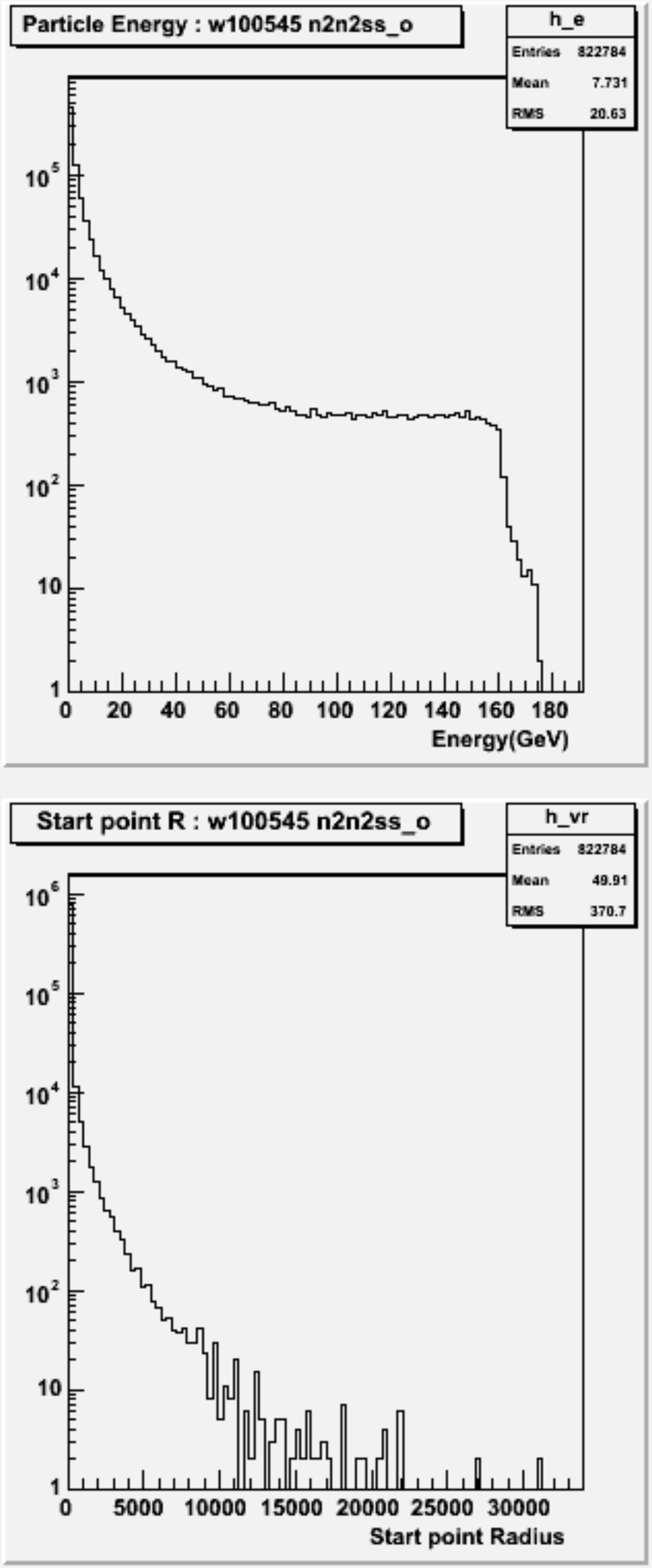

Ycut for 4-jets :w100544 n2n2ss_o
h_yc4j
Entries 32034
Mean 0.008639
RMS 0.03347
ycut for forced 4-jets

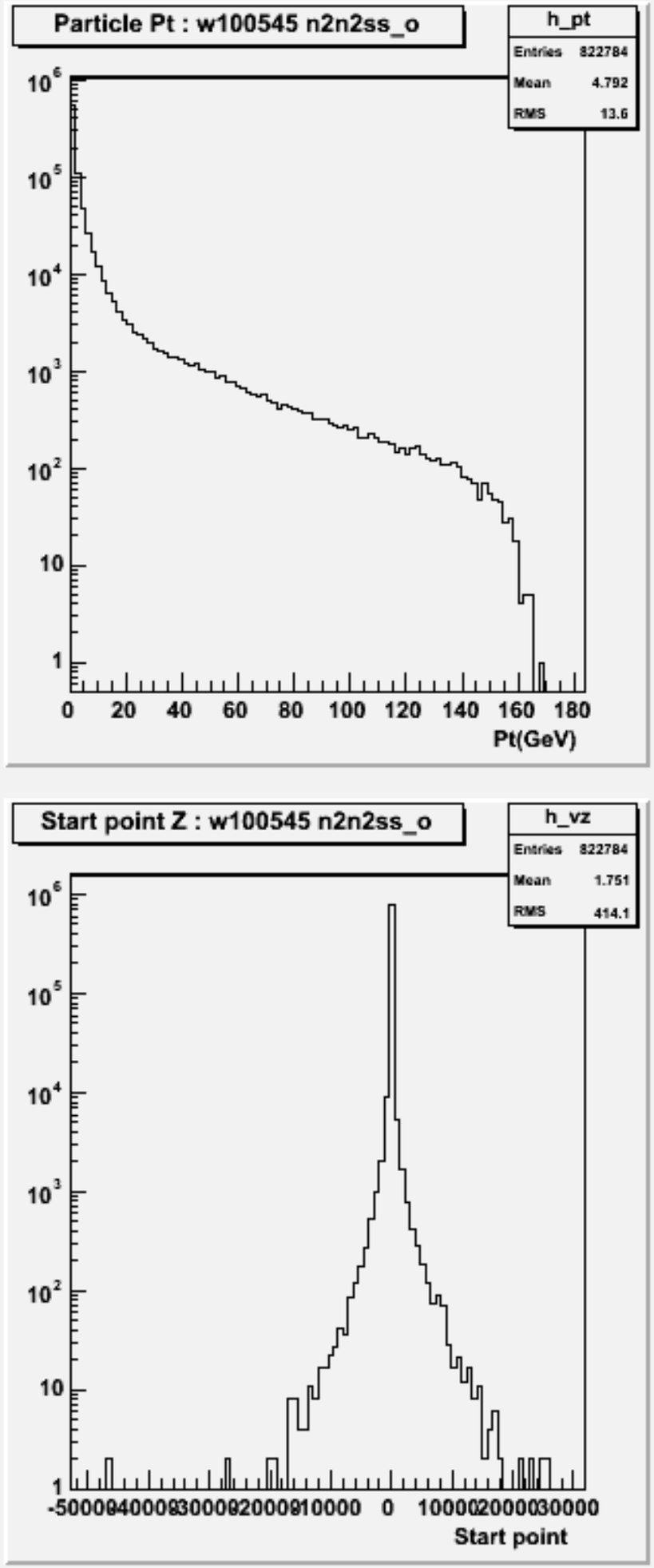

Jet energies(All jets)w100544 n2n2ss_o
ha_j0e
Entries 128136
Mean 45.34
RMS 40.01
E(Jet)


Jet cos θ (All jets)w100544 n2n2ss_o
ha_j0cs
Entries 128136
Mean 0.0982
RMS 0.7389
cos θ


2jets mass(All comb)w100544 n2n2ss_o
ha_m01
Entries 192204
Mean 39.67
RMS 31.64
M(J_iJ_k) (GeV)


Particle ID : w100545 n2n2ss_o
h_id
Entries 822784
Mean 13.69
RMS 531.2
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

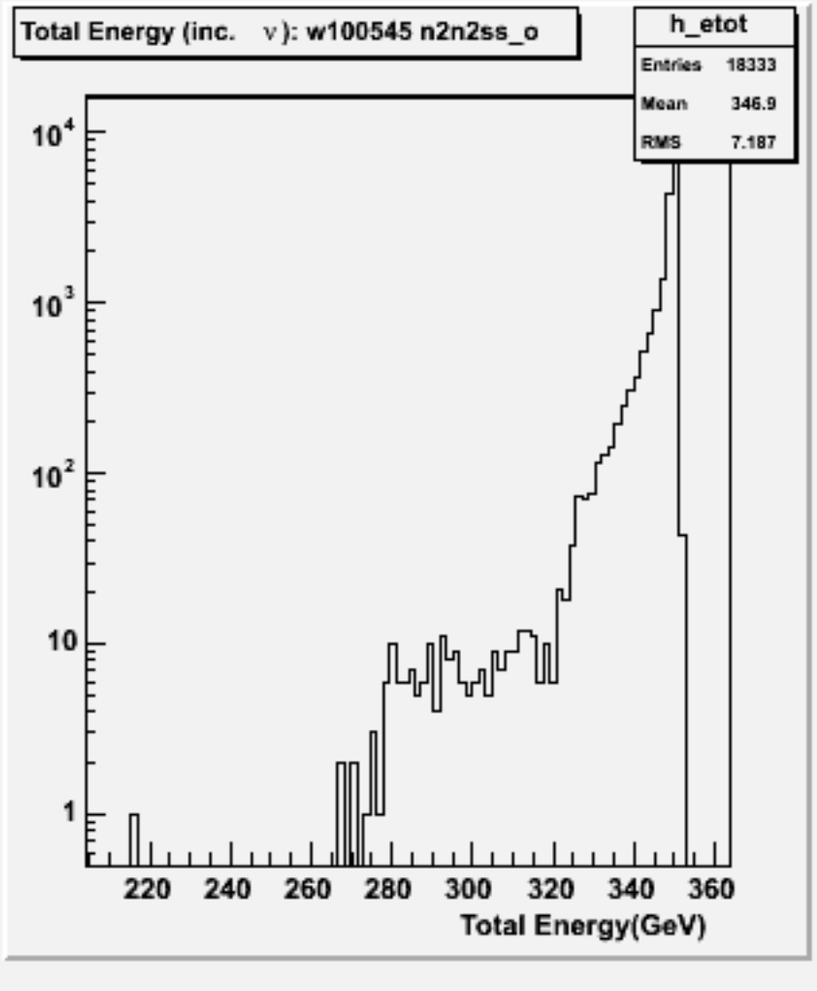

Particle Energy : w100545 n2n2ss_o
h_e
Entries 822784
Mean 7.731
RMS 20.63
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

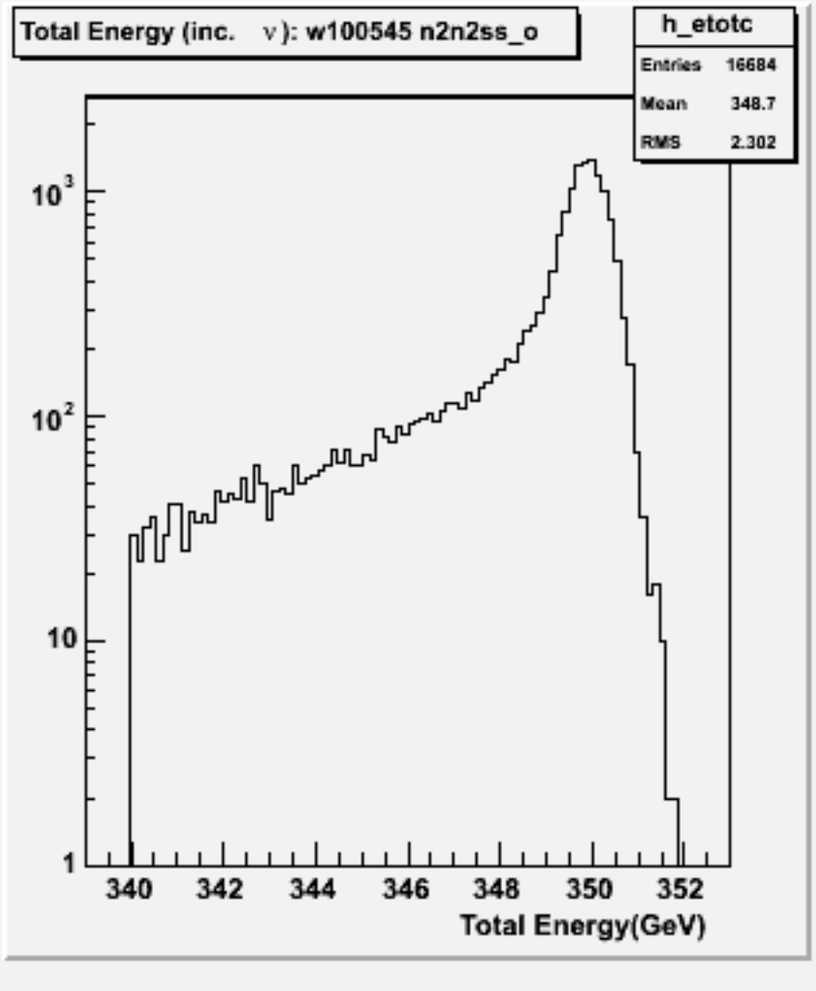

Particle Pt : w100545 n2n2ss_o
h_pt
Entries 822784
Mean 4.792
RMS 13.6
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

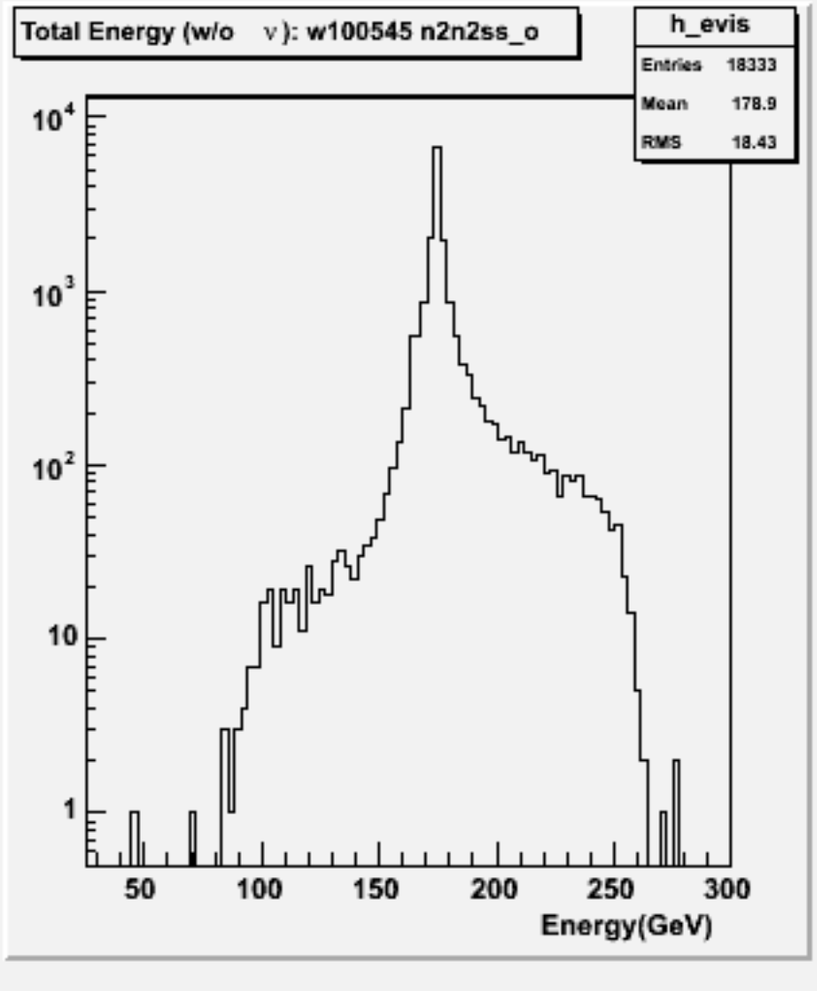
Particle cosθ : w100545 n2n2ss_o
h_cs
Entries 822784
Mean 0.008493
RMS 0.6896
10^4
-1
-0.5
0
0.5
1
cos θ

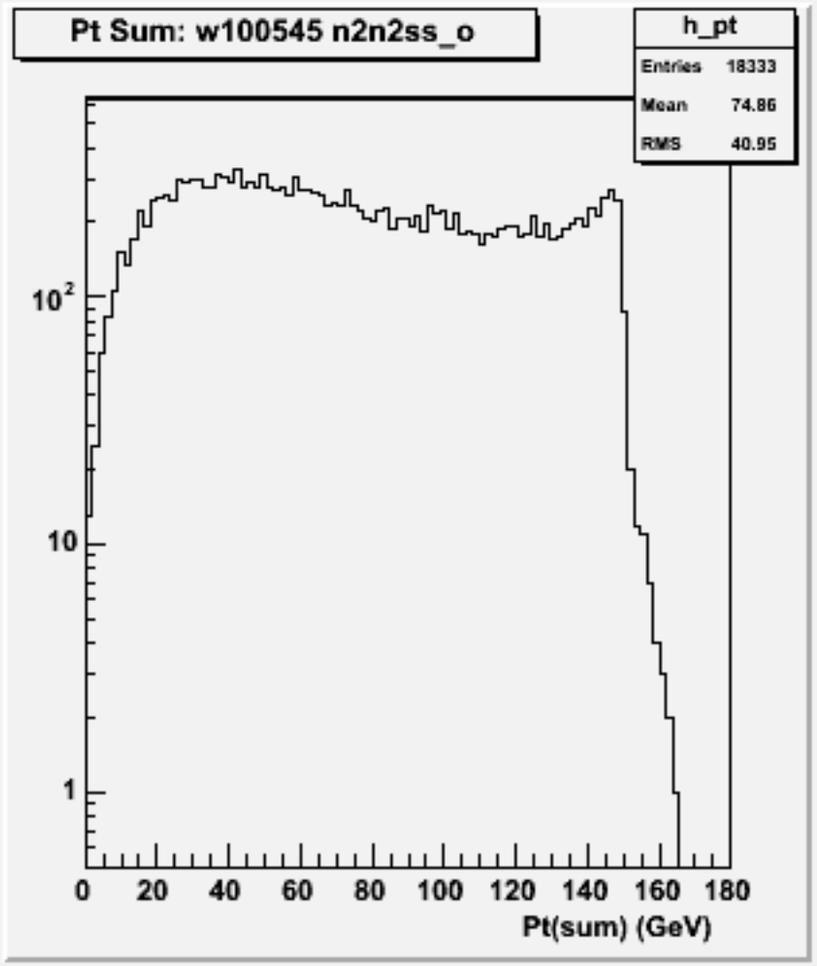
Start point R : w100545 n2n2ss_o
h_vr
Entries 822784
Mean 49.91
RMS 370.7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
Start point Radius

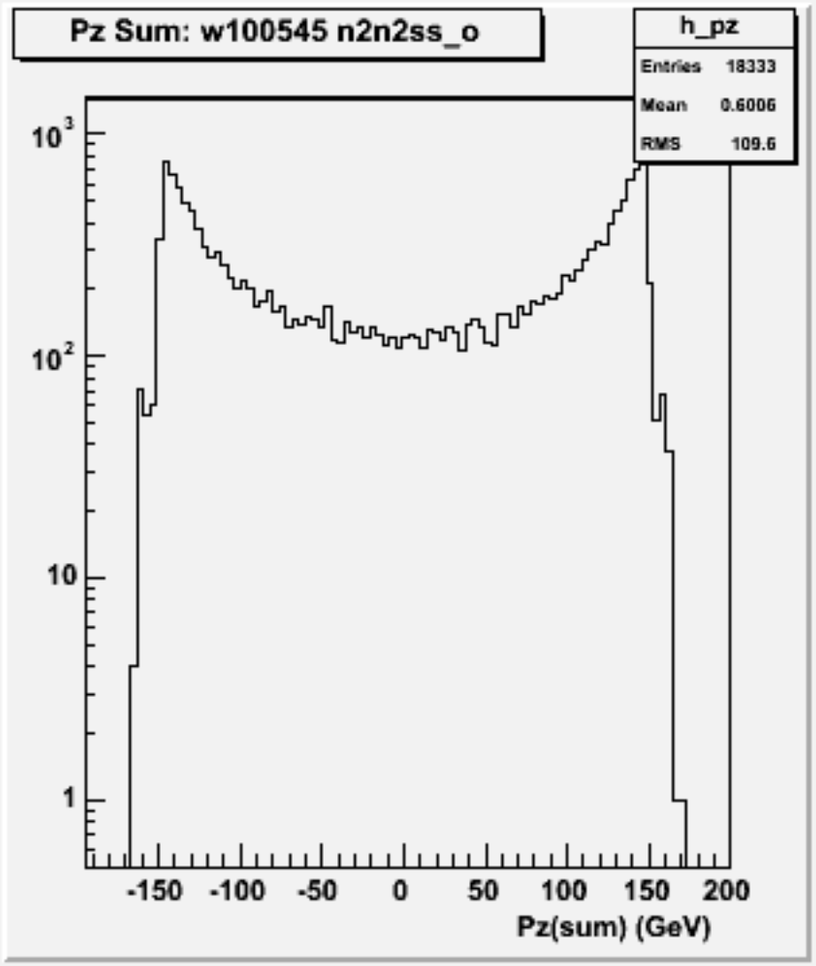
Start point Z : w100545 n2n2ss_o
h_vz
Entries 822784
Mean 1.751
RMS 414.1
10^6
10^5
10^4
10^3
10^2
10
1
0
Start point

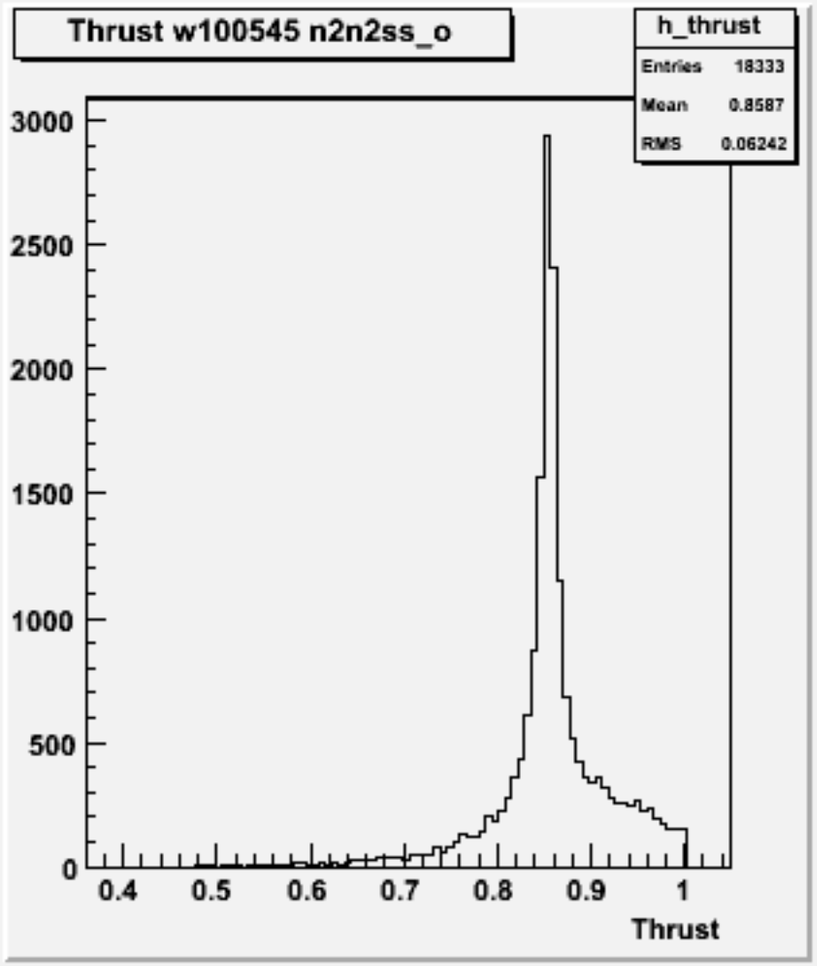

Total Energy (inc. ν): w100545 n2n2ss_o
h_etot
Entries 18333
Mean 346.9
RMS 7.187
Total Energy(GeV)

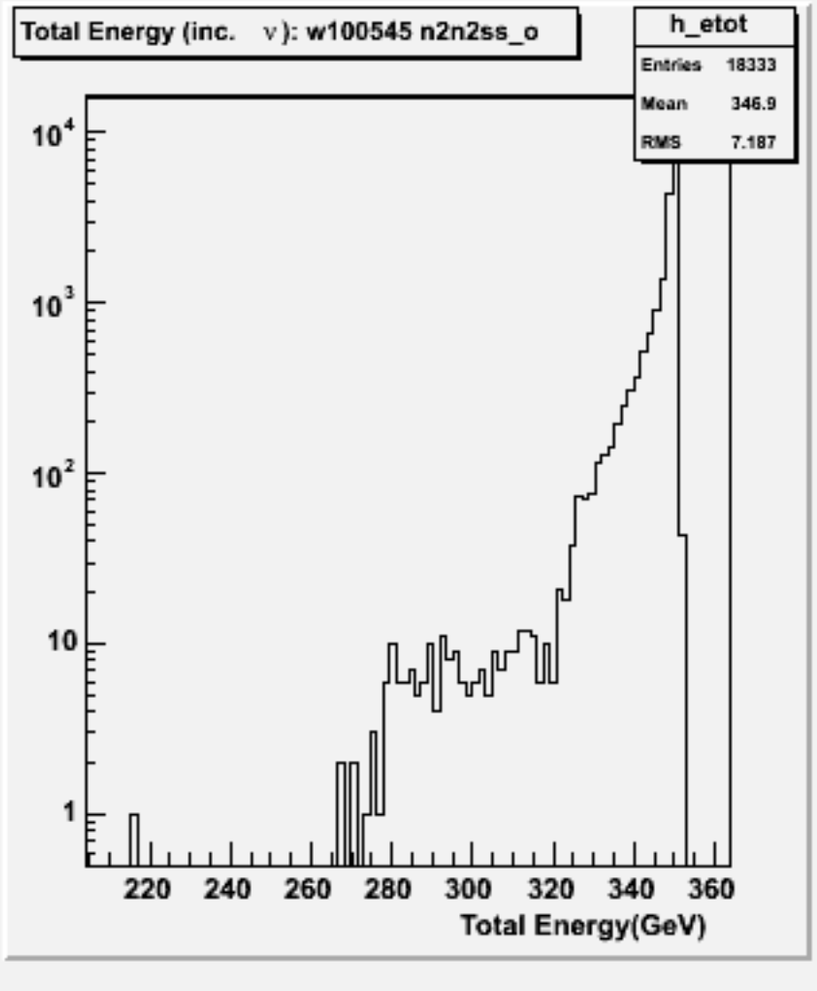

Total Energy (inc. ν): w100545 n2n2ss_o
h_etotc
Entries 16684
Mean 348.7
RMS 2.302
Total Energy(GeV)

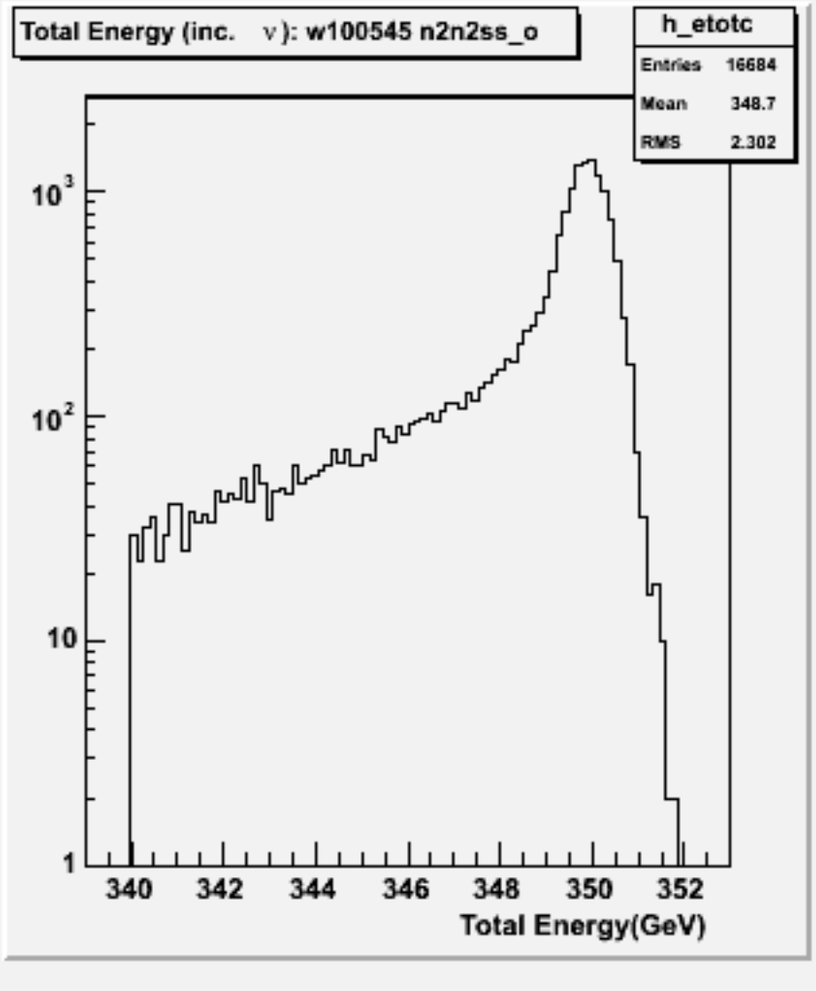

Total Energy (w/o ν): w100545 n2n2ss_o
h_evis
Entries 18333
Mean 178.9
RMS 18.43
Energy(GeV)

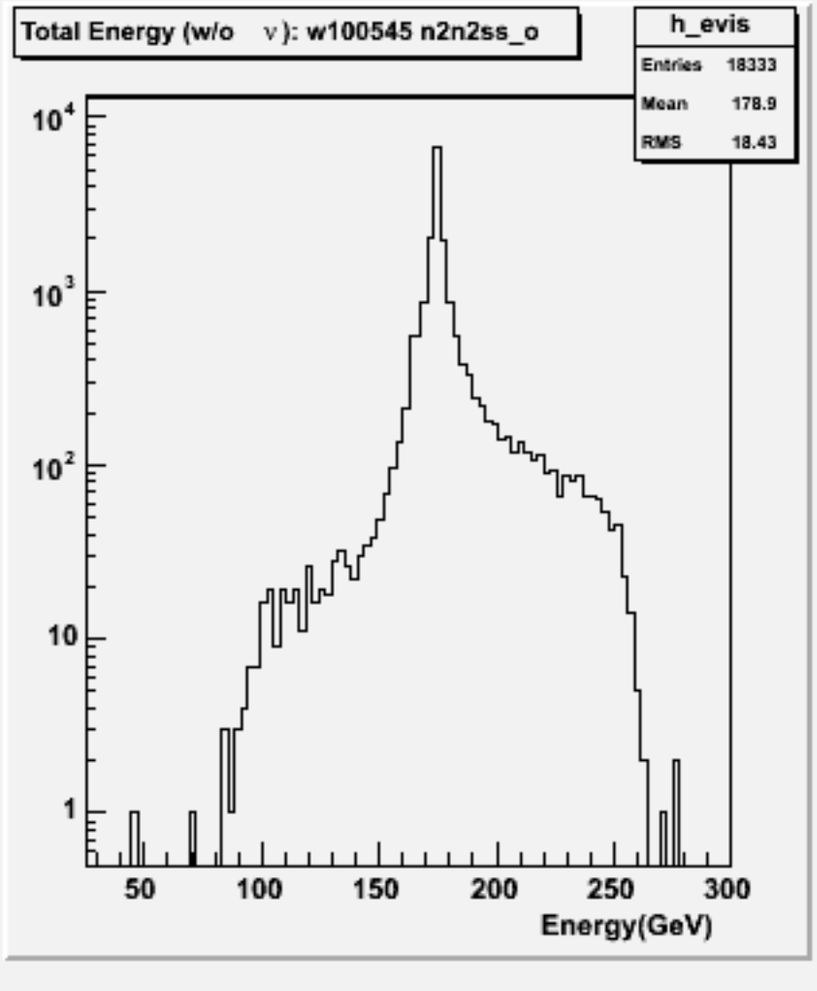

Pt Sum: w100545 n2n2ss_o
h_pt
Entries 18333
Mean 74.86
RMS 40.95
Pt(sum) (GeV)

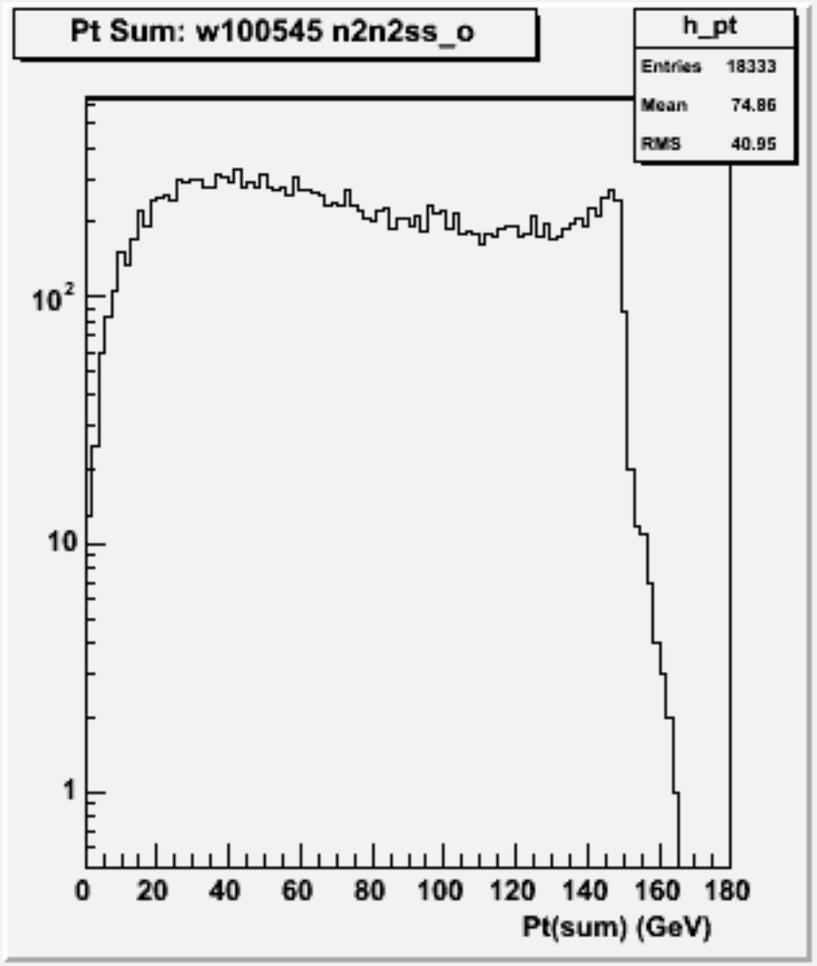

Pz Sum: w100545 n2n2ss_o
h_pz
Entries 18333
Mean 0.6006
RMS 109.6
Pz(sum) (GeV)

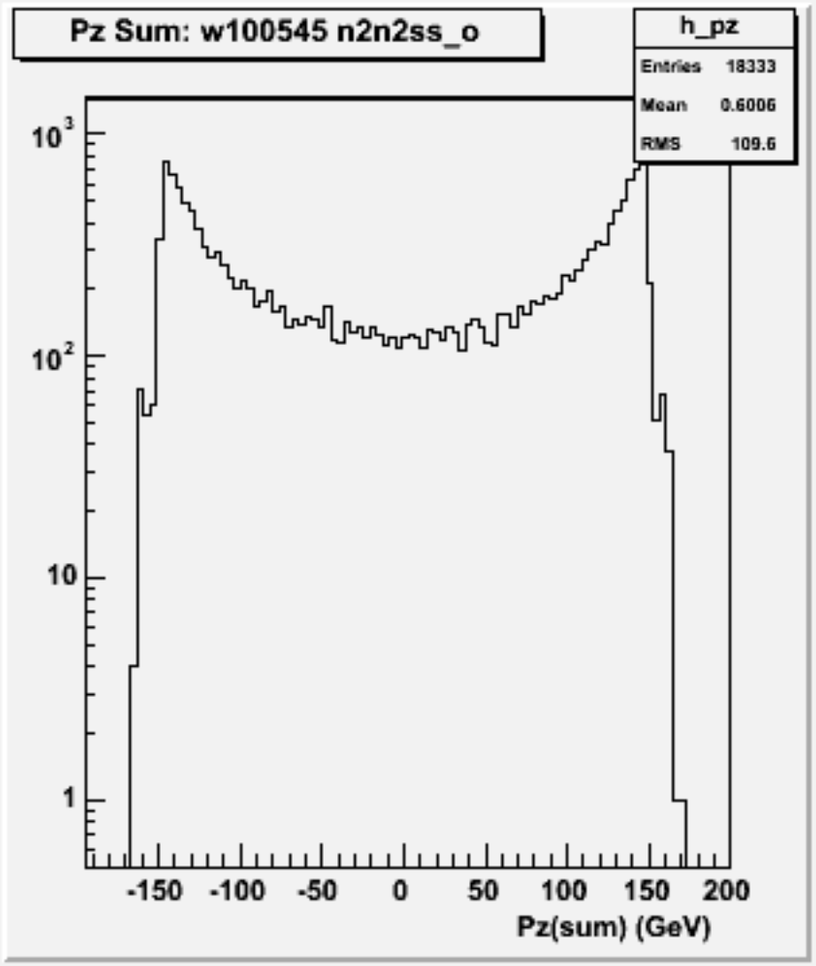

Thrust w100545 n2n2ss_o
h_thrust
Entries 18333
Mean 0.8587
RMS 0.06242
Thrust

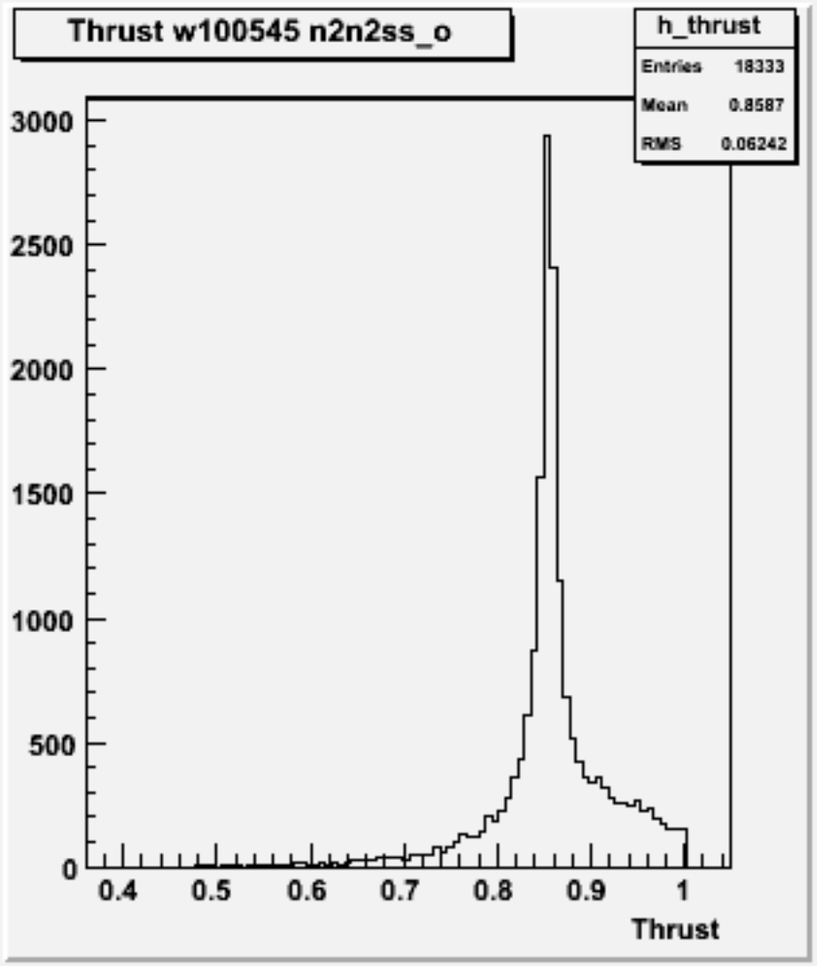

Total Energy (inc. ν): w100545 n2n2ss_o
h_etot
Entries 18333
Mean 346.9
RMS 7.187
Total Energy(GeV)

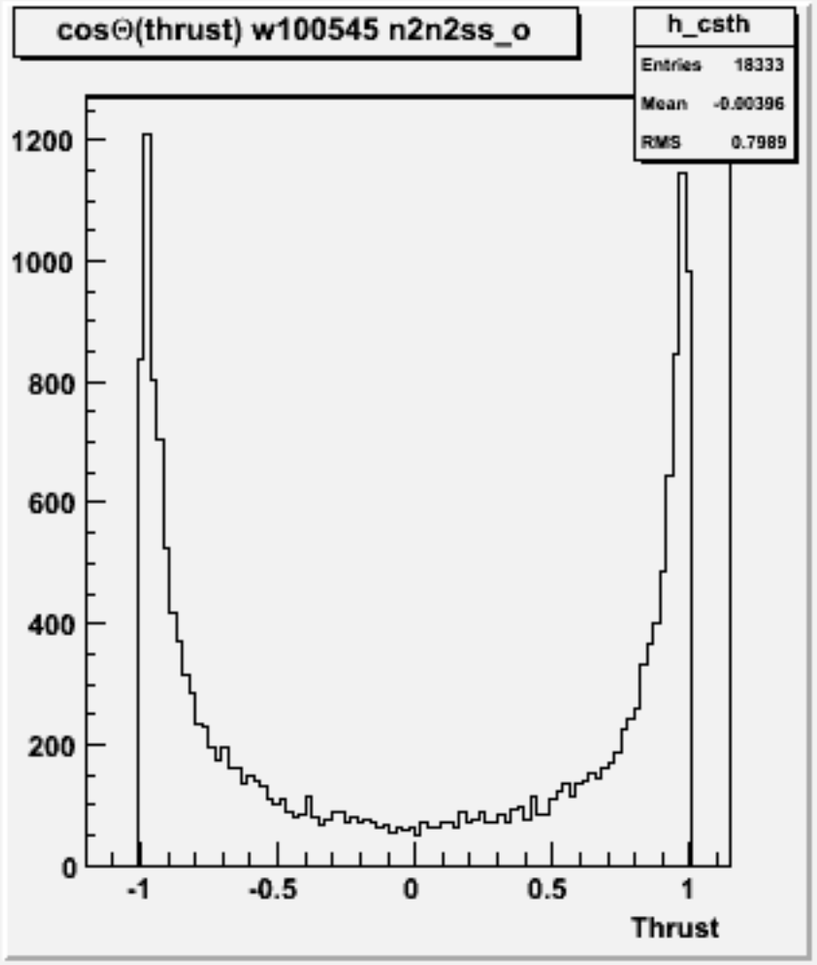

Total Energy (inc. ν): w100545 n2n2ss_o
h_etotc
Entries 16684
Mean 348.7
RMS 2.302
Total Energy(GeV)

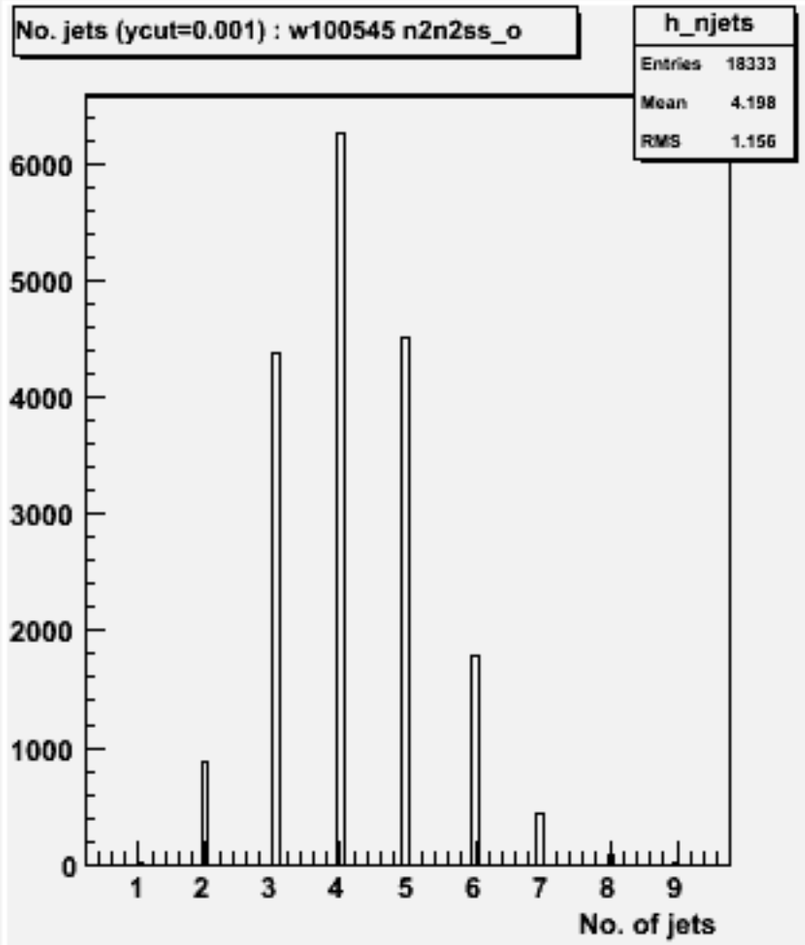

Total Energy (w/o ν): w100545 n2n2ss_o
h_evis
Entries 18333
Mean 178.9
RMS 18.43
Energy(GeV)

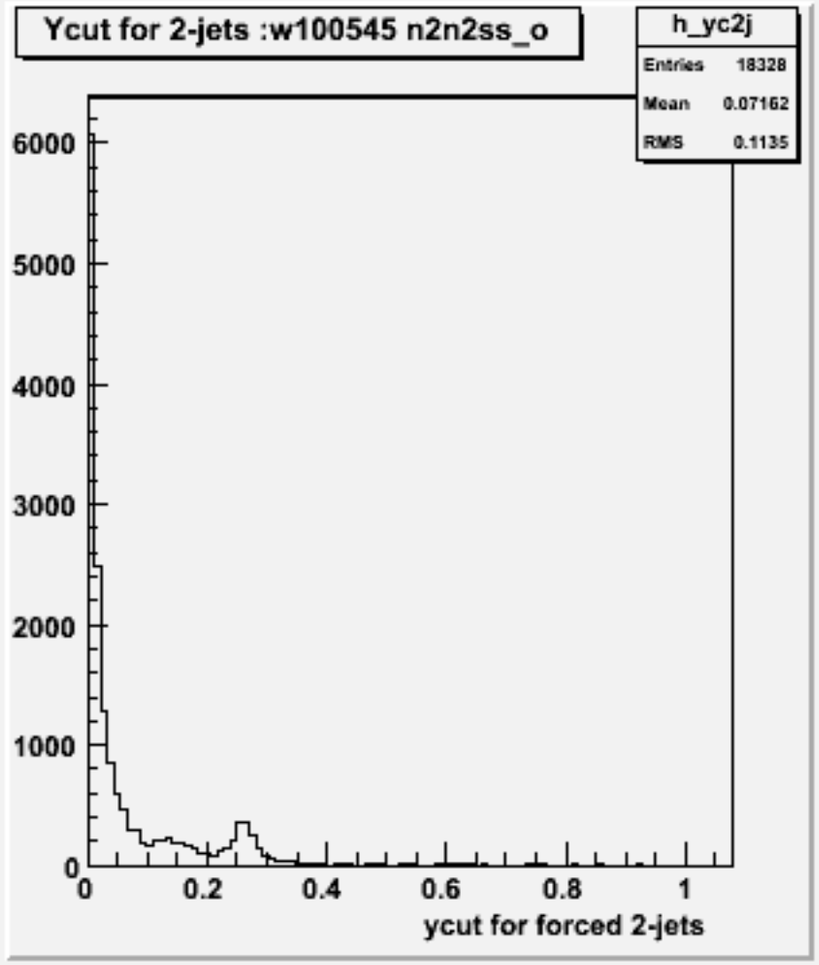

Pt Sum: w100545 n2n2ss_o
h_pt
Entries 18333
Mean 74.86
RMS 40.95
Pt(sum) (GeV)

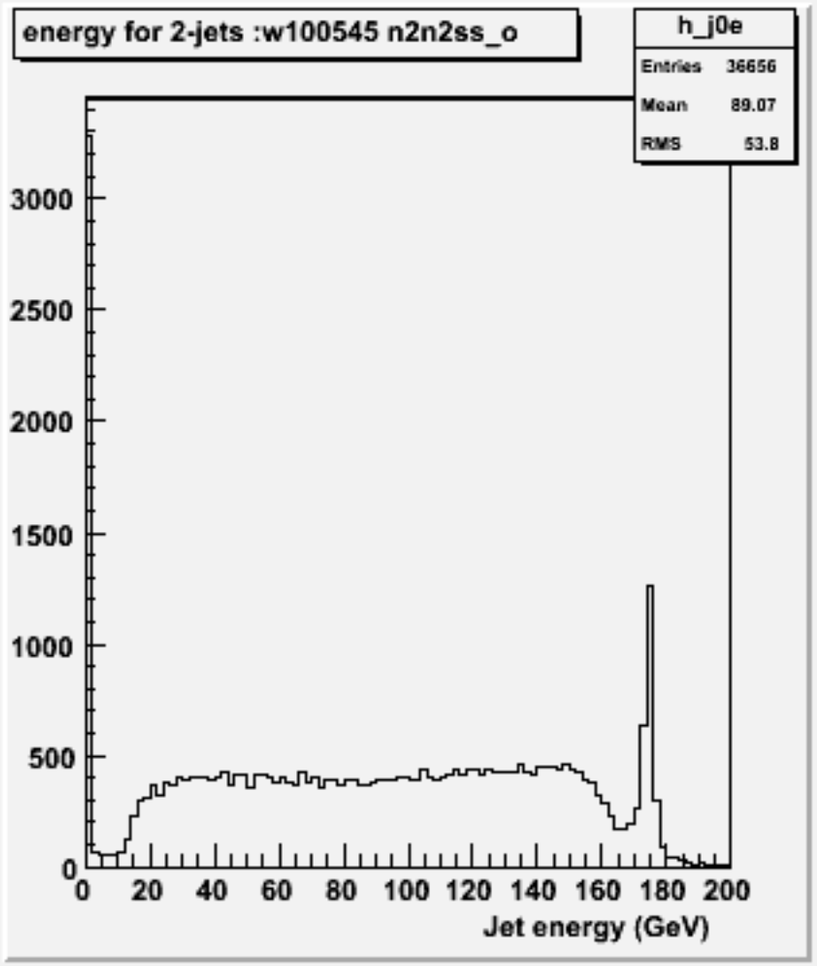

Pz Sum: w100545 n2n2ss_o
h_pz
Entries 18333
Mean 0.6006
RMS 109.6
Pz(sum) (GeV)

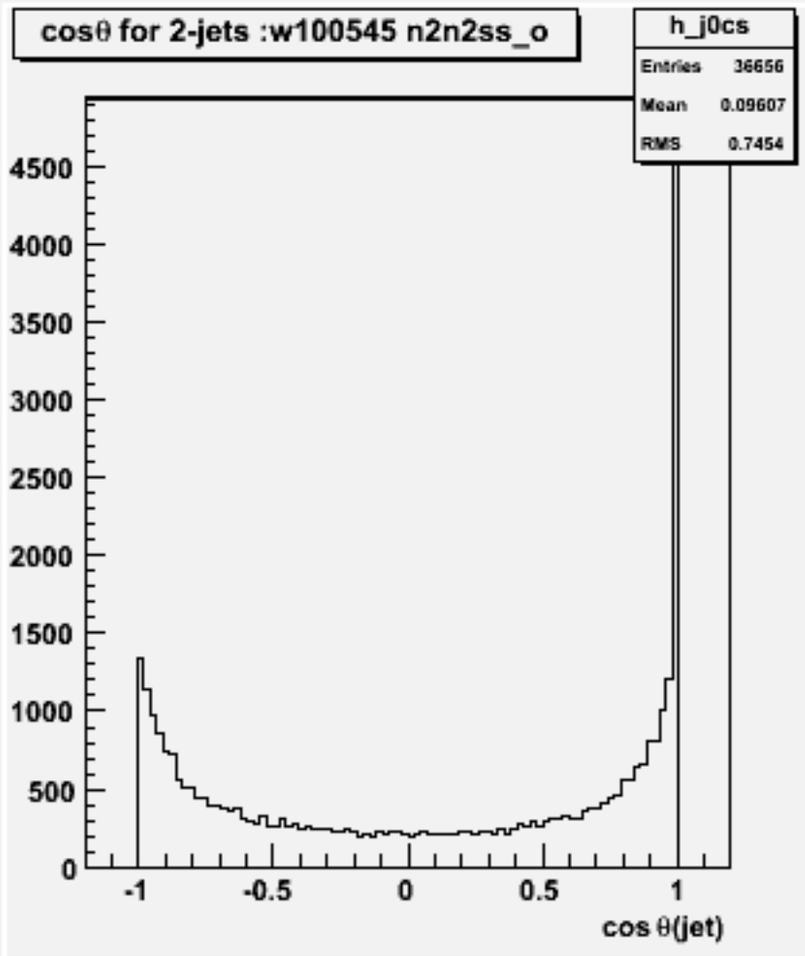

Thrust w100545 n2n2ss_o
h_thrust
Entries 18333
Mean 0.8587
RMS 0.06242
Thrust

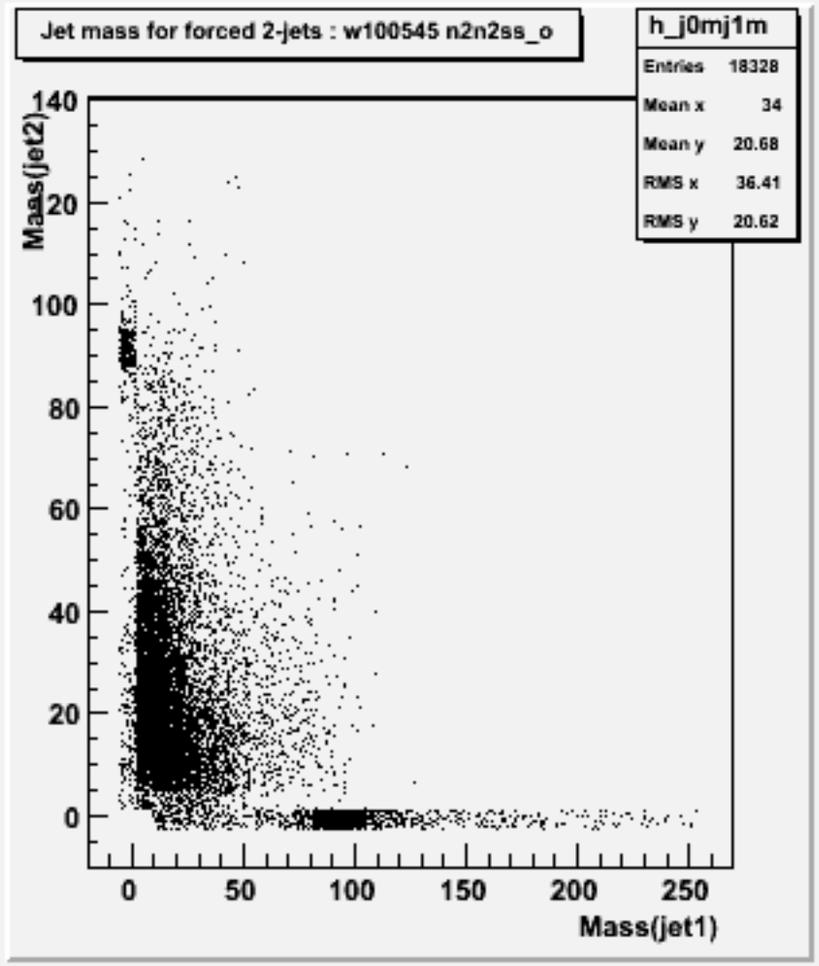

cosΘ(thrust) w100545 n2n2ss_o
h_csth
Entries 18333
Mean -0.00396
RMS 0.7989
Thrust

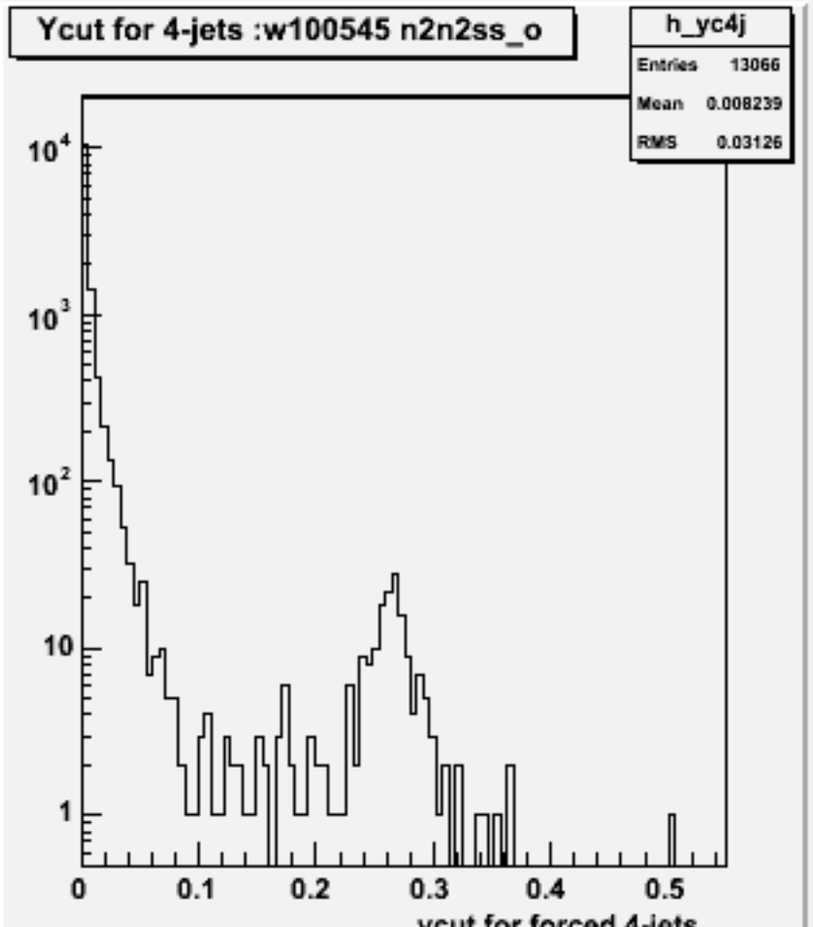

No. jets (ycut=0.001) : w100545 n2n2ss_o
h_njets
Entries 18333
Mean 4.198
RMS 1.156
No. of jets

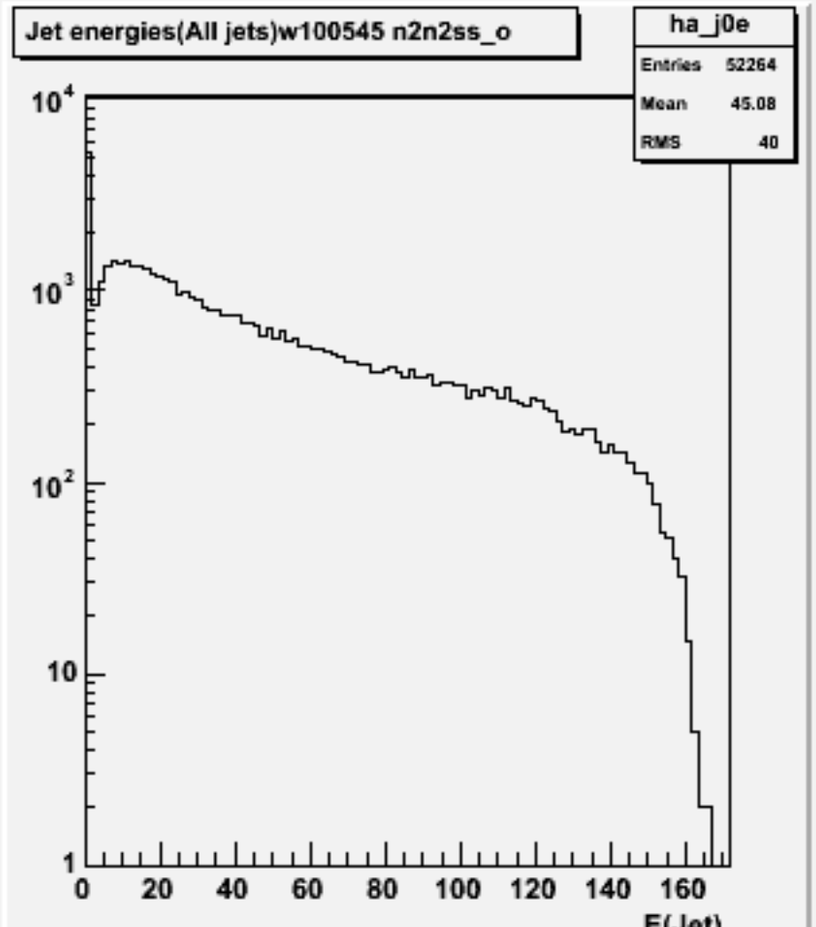

Ycut for 2-jets :w100545 n2n2ss_o
h_yc2j
Entries 18328
Mean 0.07162
RMS 0.1135
ycut for forced 2-jets

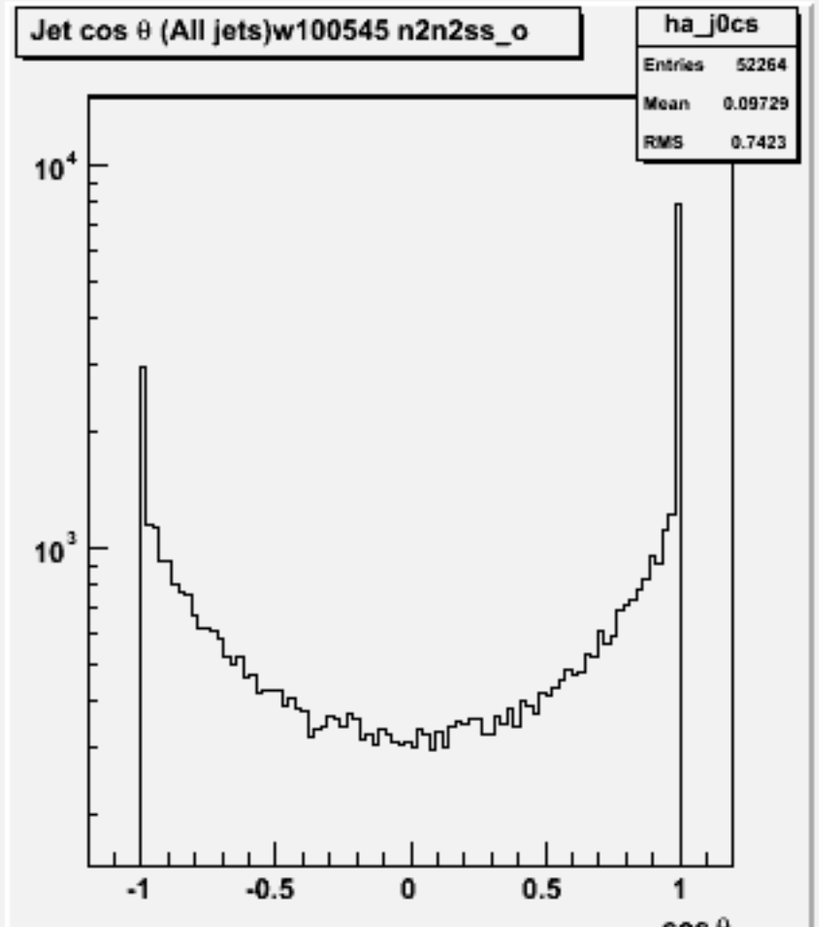

energy for 2-jets :w100545 n2n2ss_o
h_j0e
Entries 36656
Mean 89.07
RMS 53.8
Jet energy (GeV)

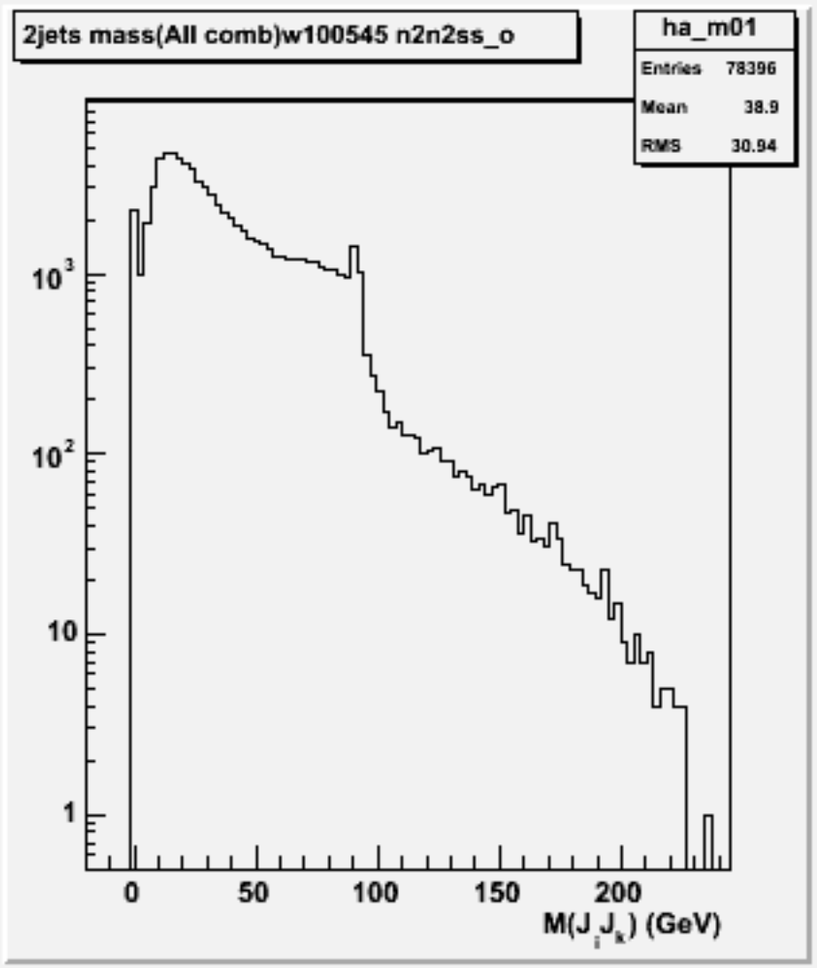

cosθ for 2-jets :w100545 n2n2ss_o
h_j0cs
Entries 36656
Mean 0.09607
RMS 0.7454
cos θ(jet)

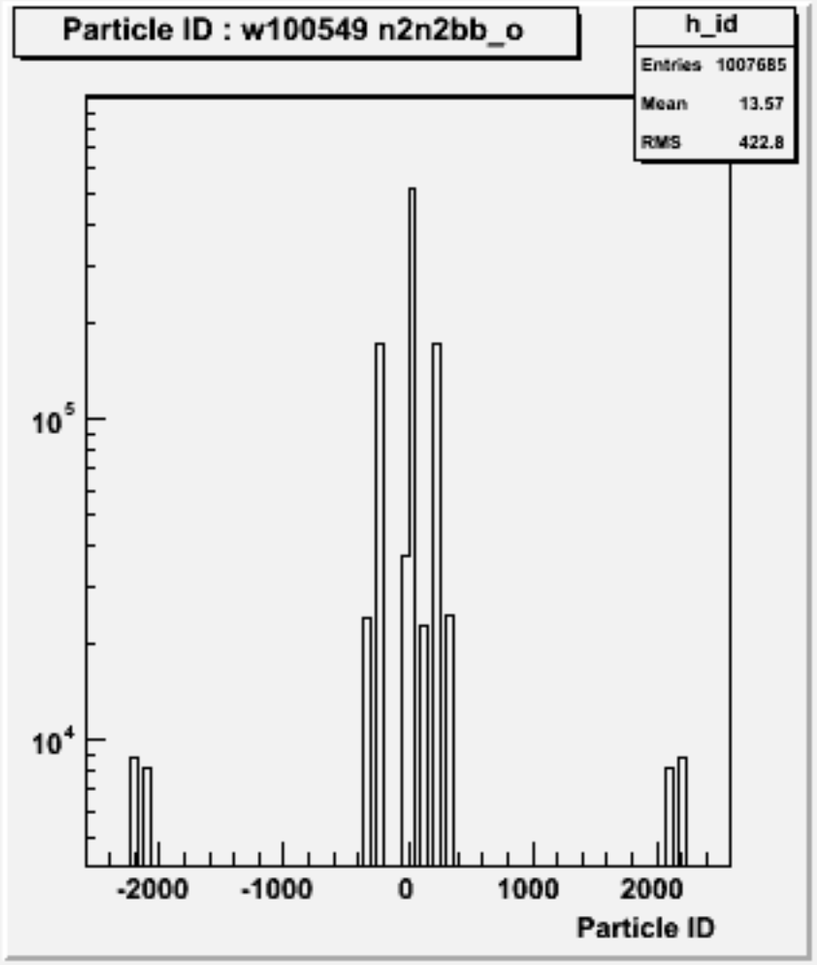

Jet mass for forced 2-jets : w100545 n2n2ss_o
h_j0mj1m
Entries 18328
Mean x 34
Mean y 20.68
RMS x 36.41
RMS y 20.62
Mass(jet2)
Mass(jet1)

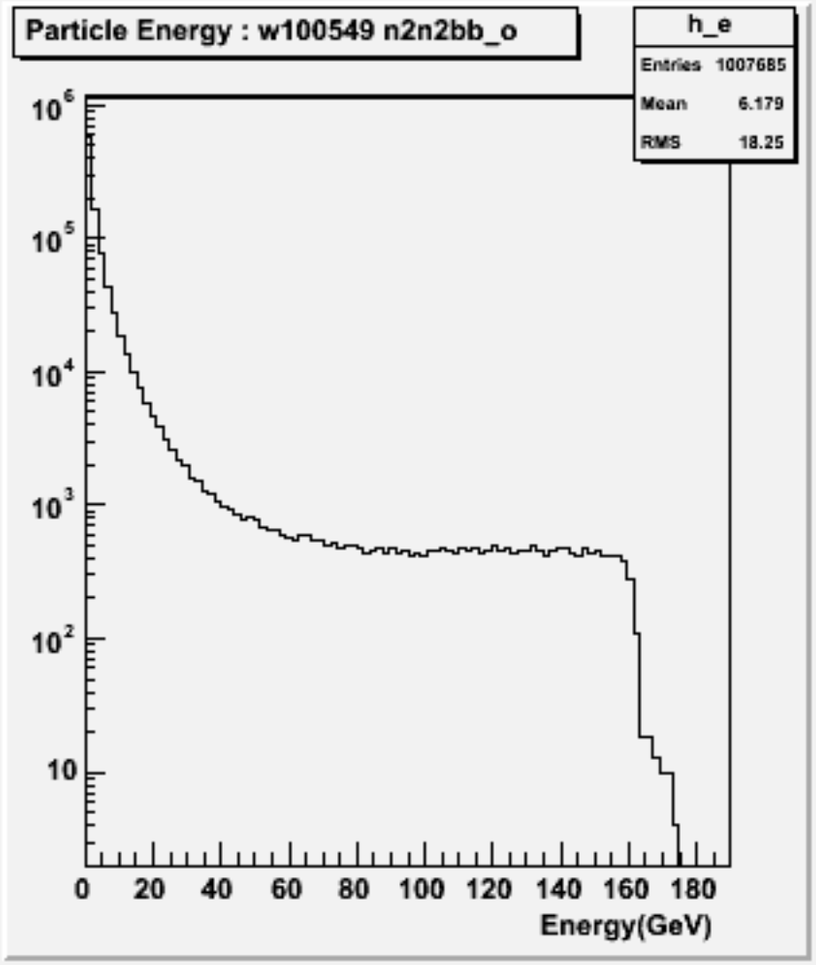

Ycut for 4-jets :w100545 n2n2ss_o
h_yc4j
Entries 13066
Mean 0.008239
RMS 0.03126
ycut for forced 4-jets

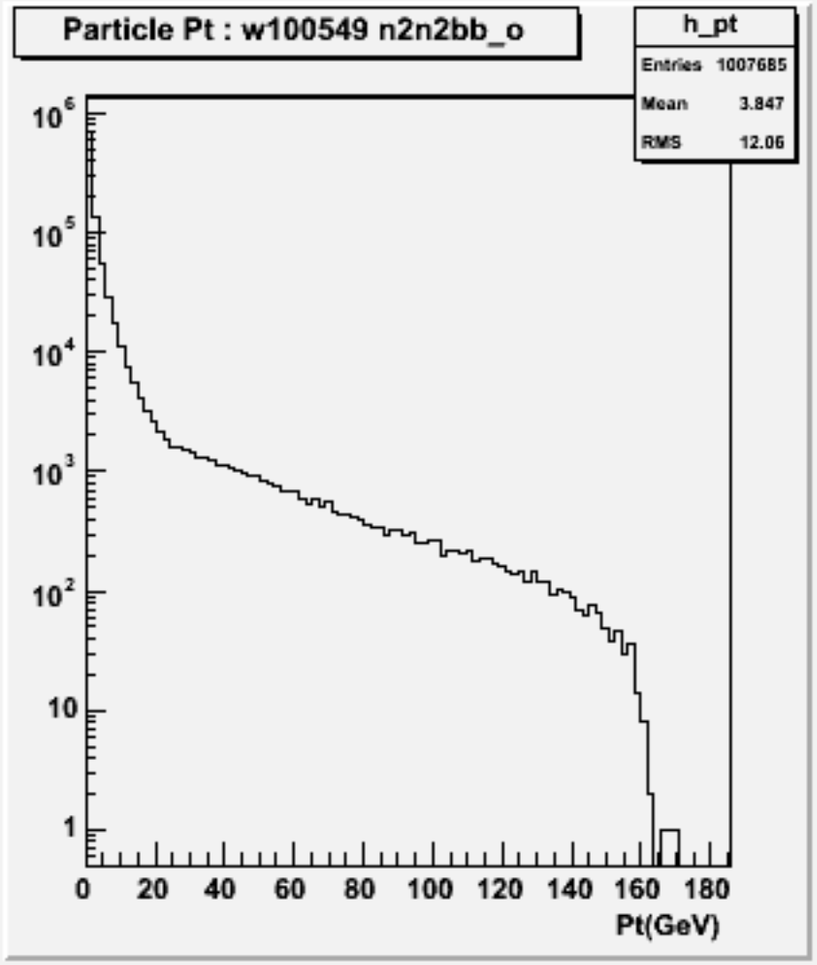

Jet energies(All jets)w100545 n2n2ss_o
ha_j0e
Entries 52264
Mean 45.08
RMS 40
E(Jet)

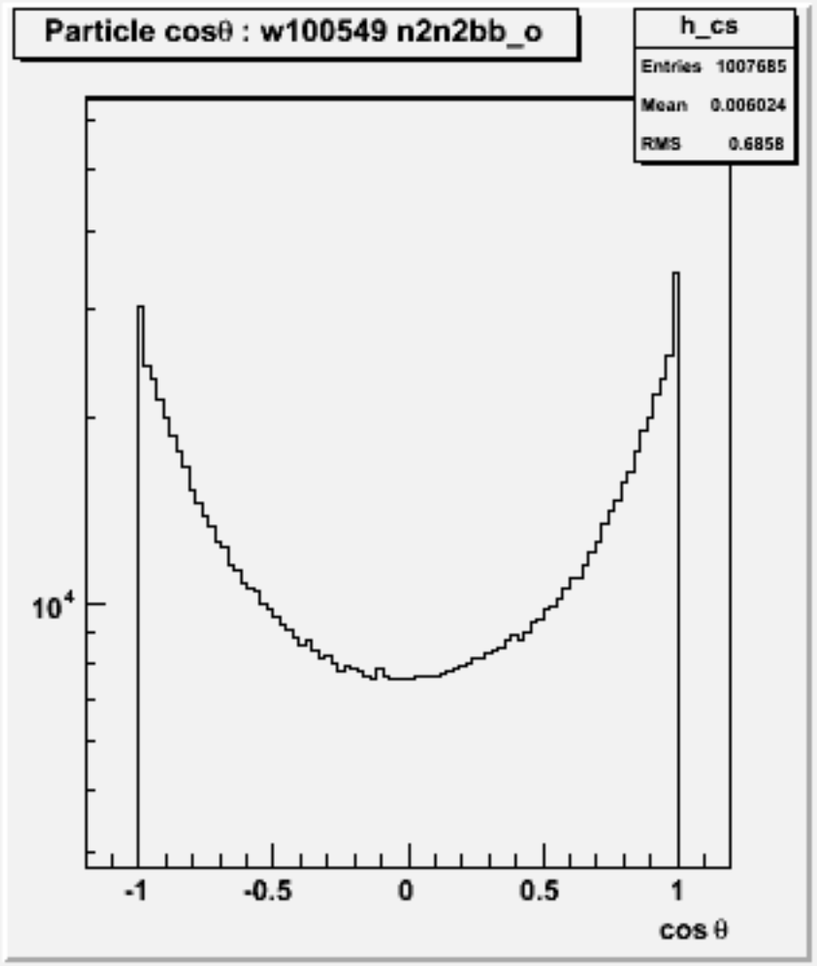

Jet cos θ (All jets)w100545 n2n2ss_o
ha_j0cs
Entries 52264
Mean 0.09729
RMS 0.7423
cos θ

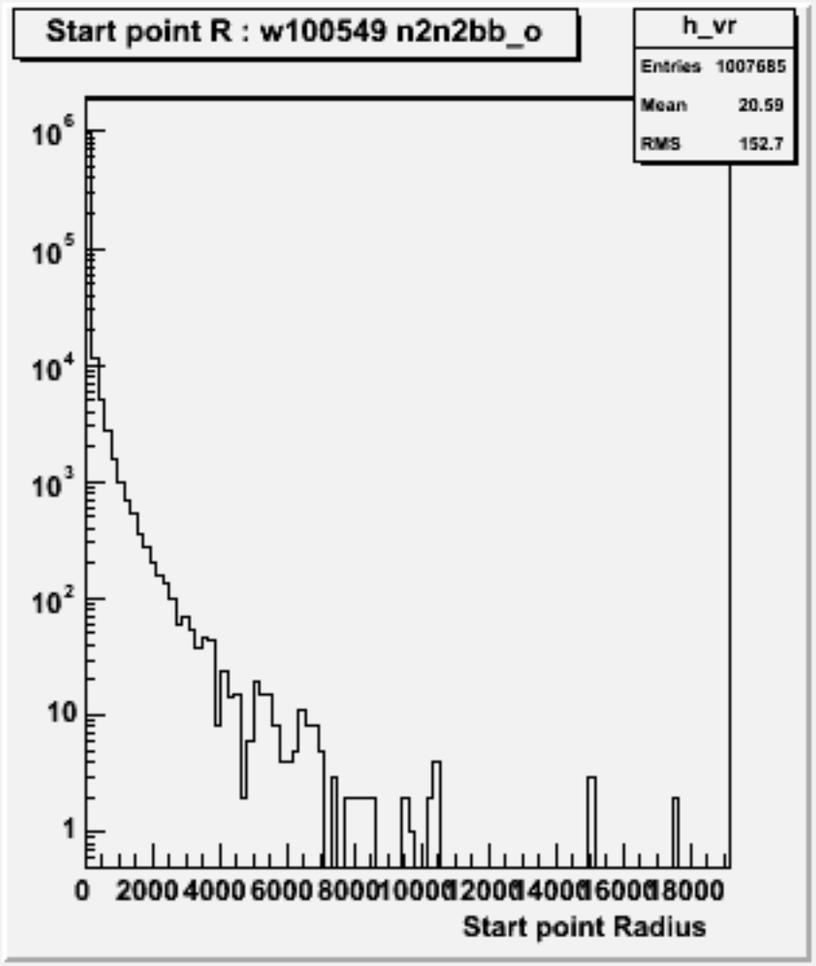

2jets mass(All comb)w100545 n2n2ss_o
ha_m01
Entries 78396
Mean 38.9
RMS 30.94
M(J_iJ_k) (GeV)

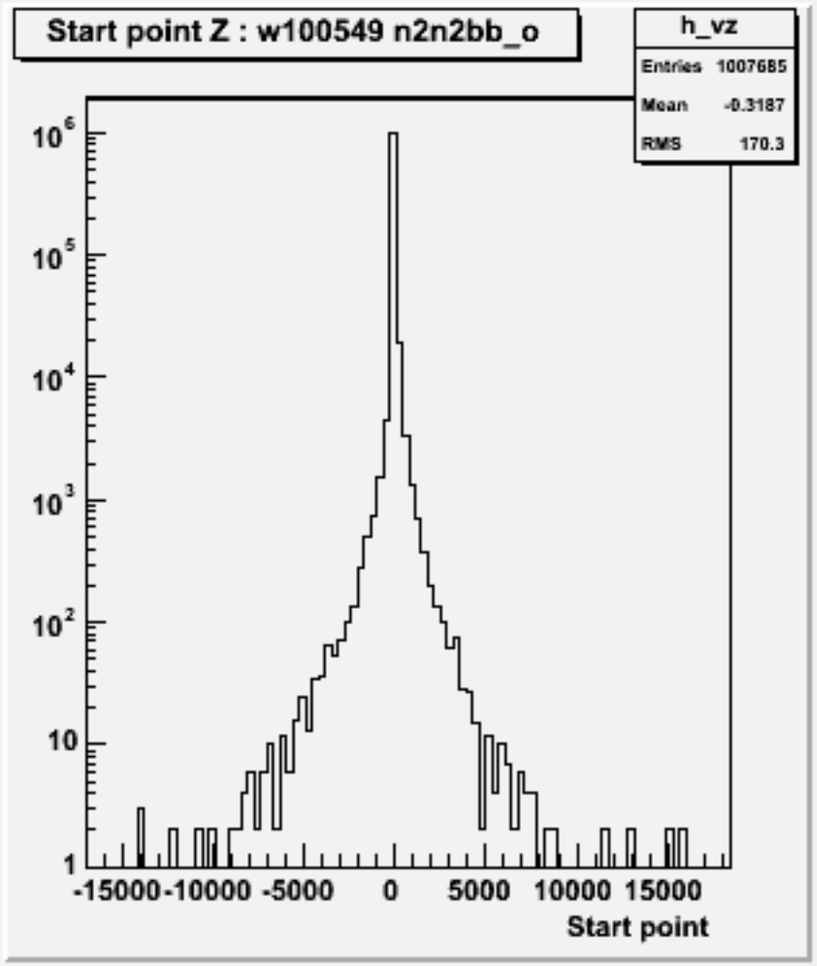

Particle ID : w100549 n2n2bb_o
h_id
Entries 1007685
Mean 13.57
RMS 422.8
10^5
10^4
-2000 -1000 0 1000 2000
Particle ID

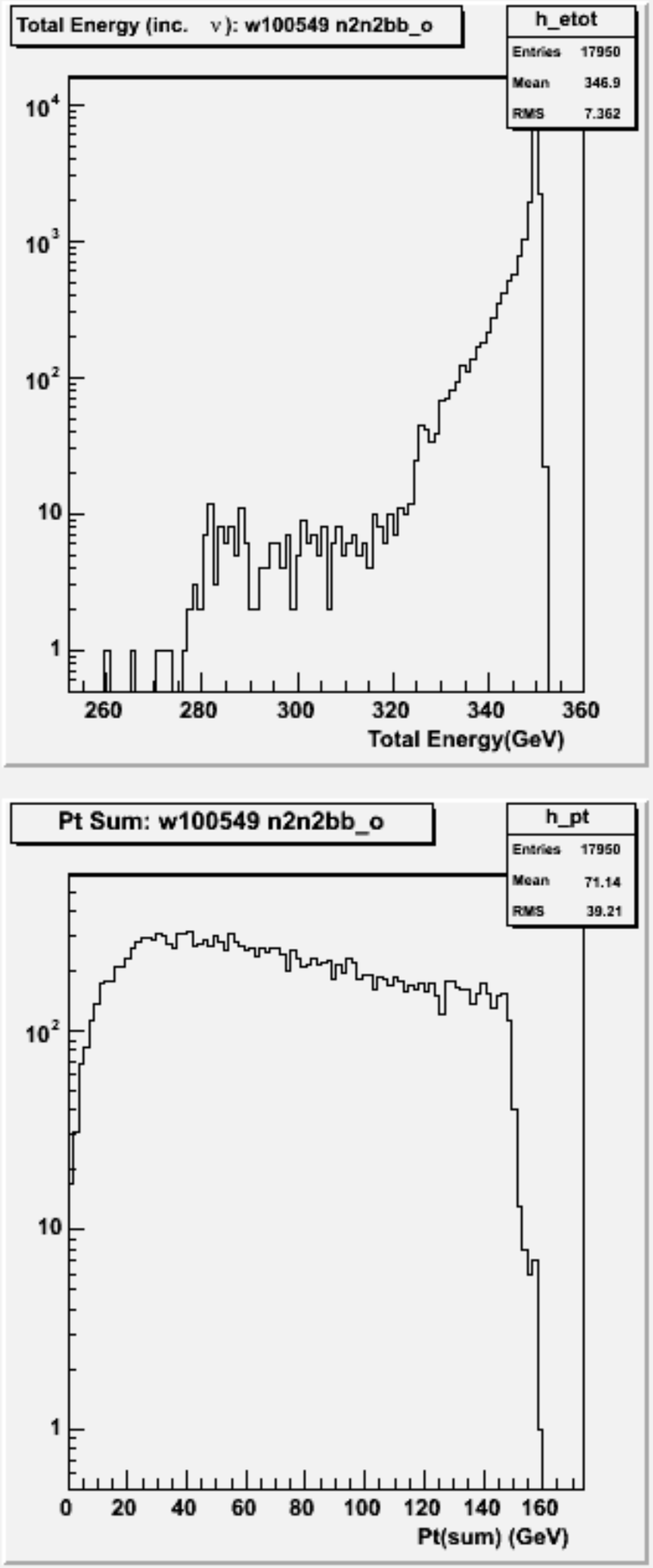

Particle Energy : w100549 n2n2bb_o
h_e
Entries 1007685
Mean 6.179
RMS 18.25
10^6
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

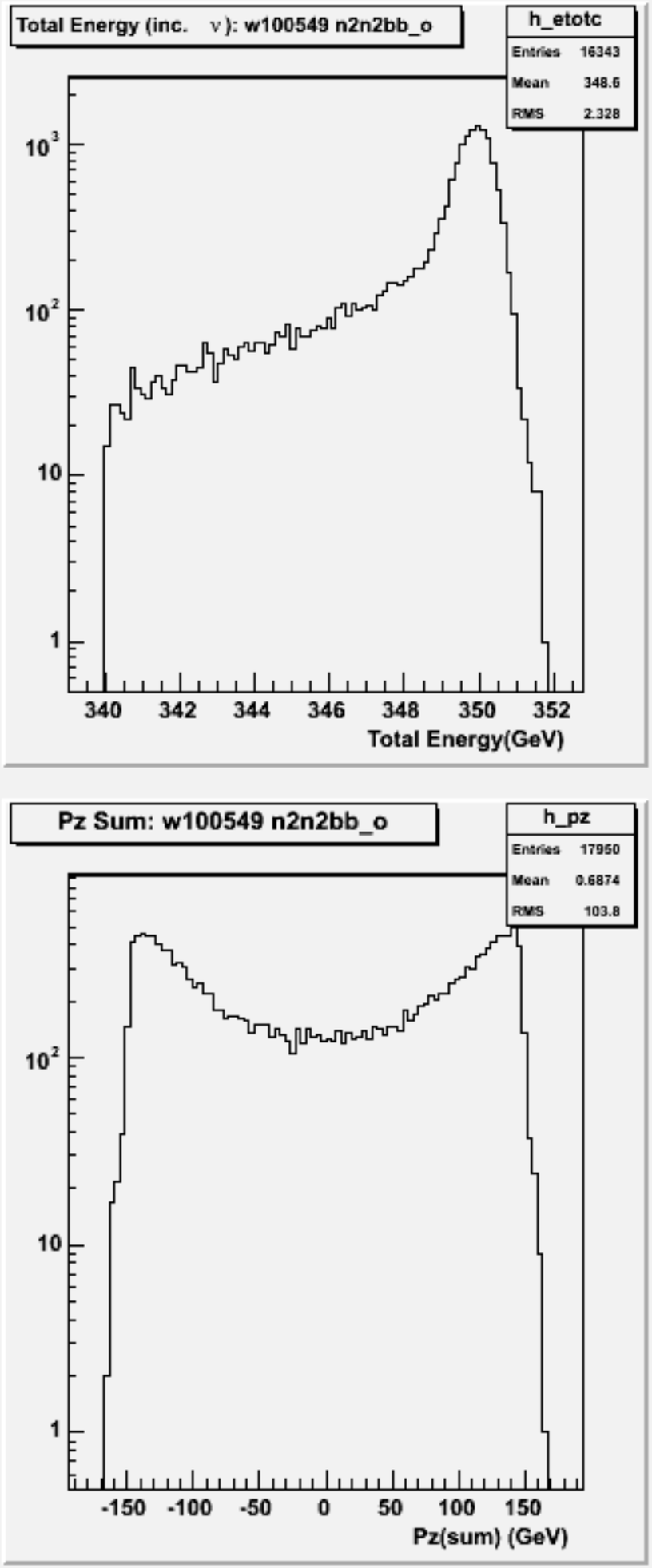

Particle Pt : w100549 n2n2bb_o
h_pt
Entries 1007685
Mean 3.847
RMS 12.06
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

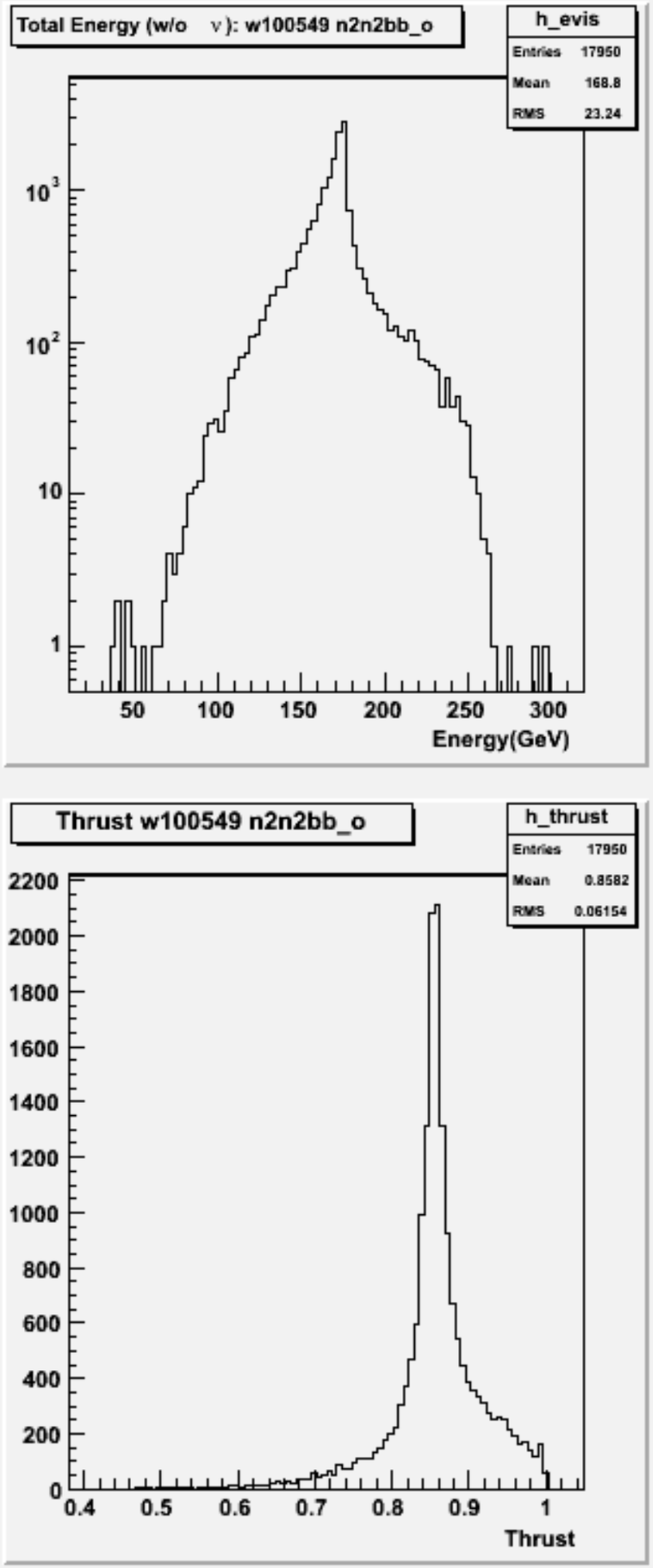

Particle cosθ : w100549 n2n2bb_o
h_cs
Entries 1007685
Mean 0.006024
RMS 0.6858
10^4
-1 -0.5 0 0.5 1
cos θ


Start point R : w100549 n2n2bb_o
h_vr
Entries 1007685
Mean 20.59
RMS 152.7
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000 18000
Start point Radius


Start point Z : w100549 n2n2bb_o
h_vz
Entries 1007685
Mean -0.3187
RMS 170.3
10^6
10^5
10^4
10^3
10^2
10
1
-15000 -10000 -5000 0 5000 10000 15000
Start point


Total Energy (inc. ν): w100549 n2n2bb_o
h_etot
Entries 17950
Mean 346.9
RMS 7.362
Total Energy(GeV)

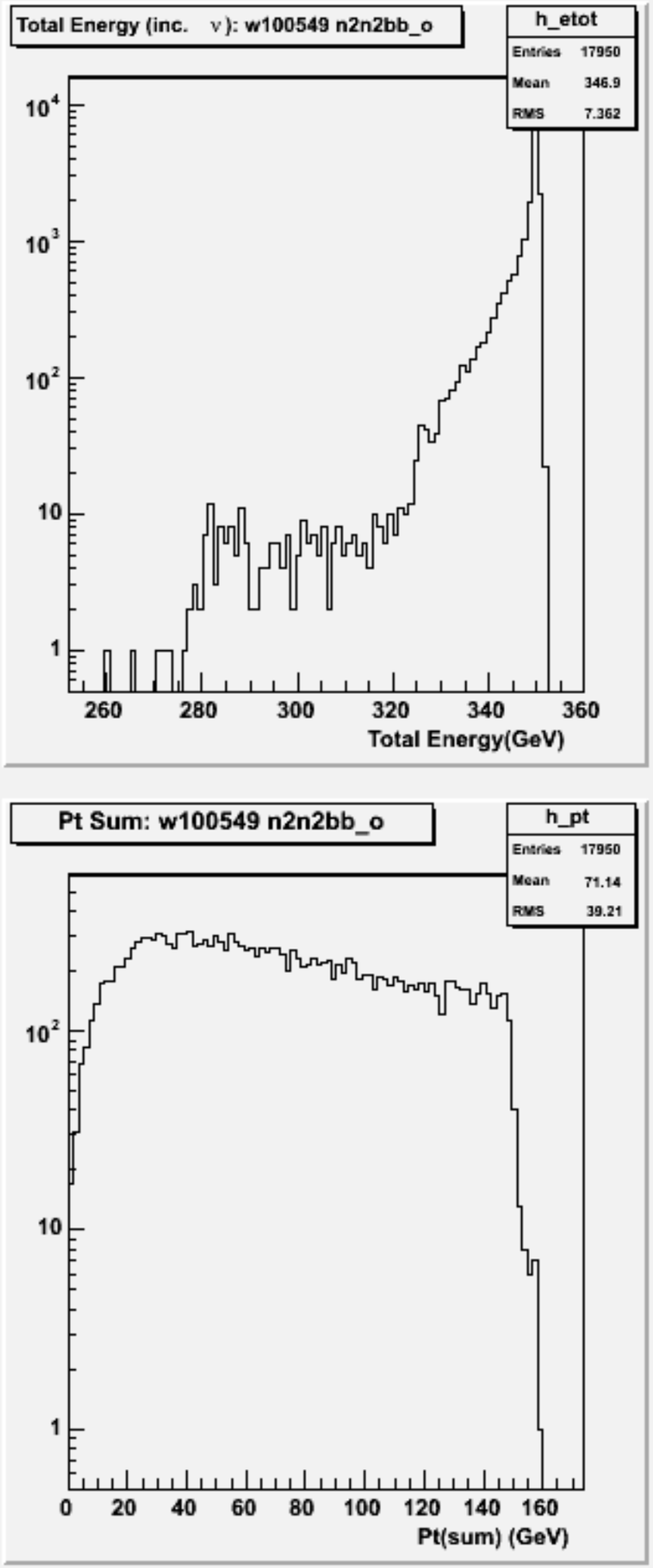

Total Energy (inc. ν): w100549 n2n2bb_o
h_etotc
Entries 16343
Mean 348.6
RMS 2.328
Total Energy(GeV)

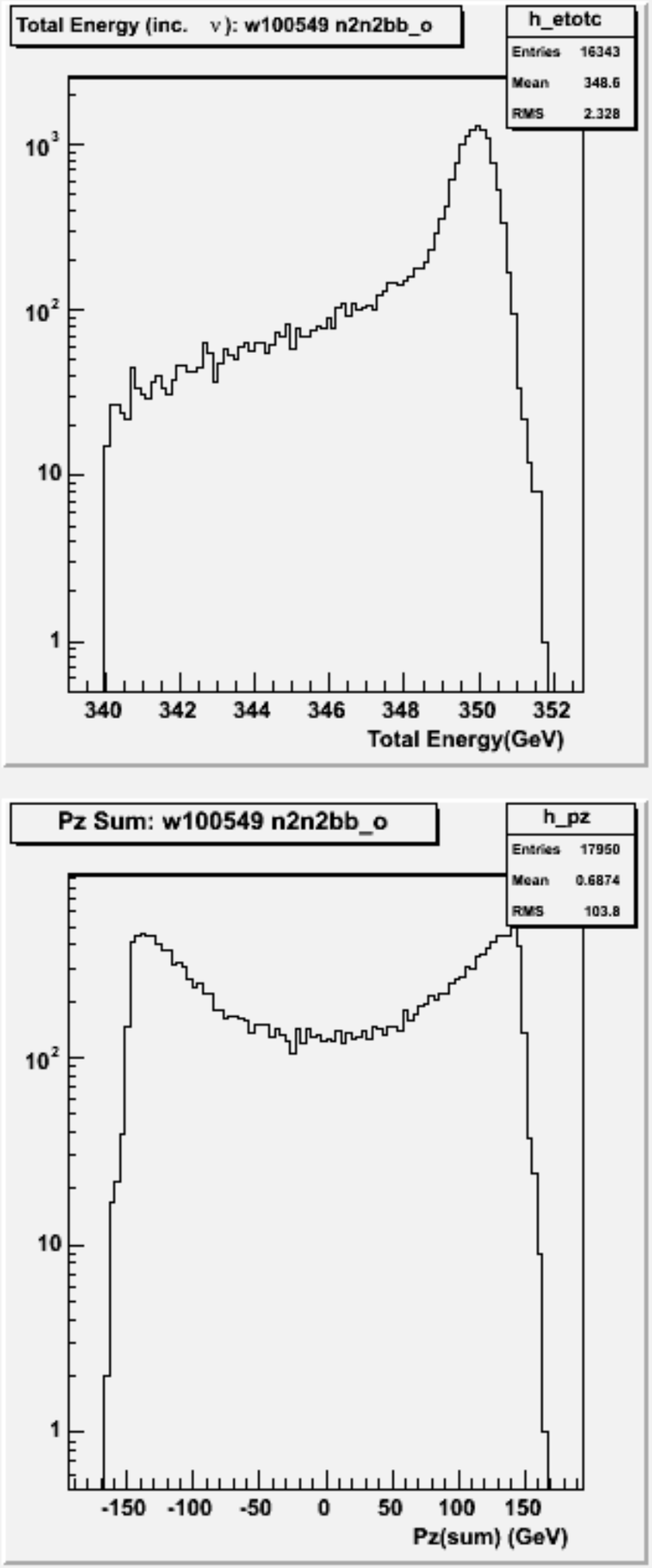

Total Energy (w/o ν): w100549 n2n2bb_o
h_evis
Entries 17950
Mean 168.8
RMS 23.24
Energy(GeV)

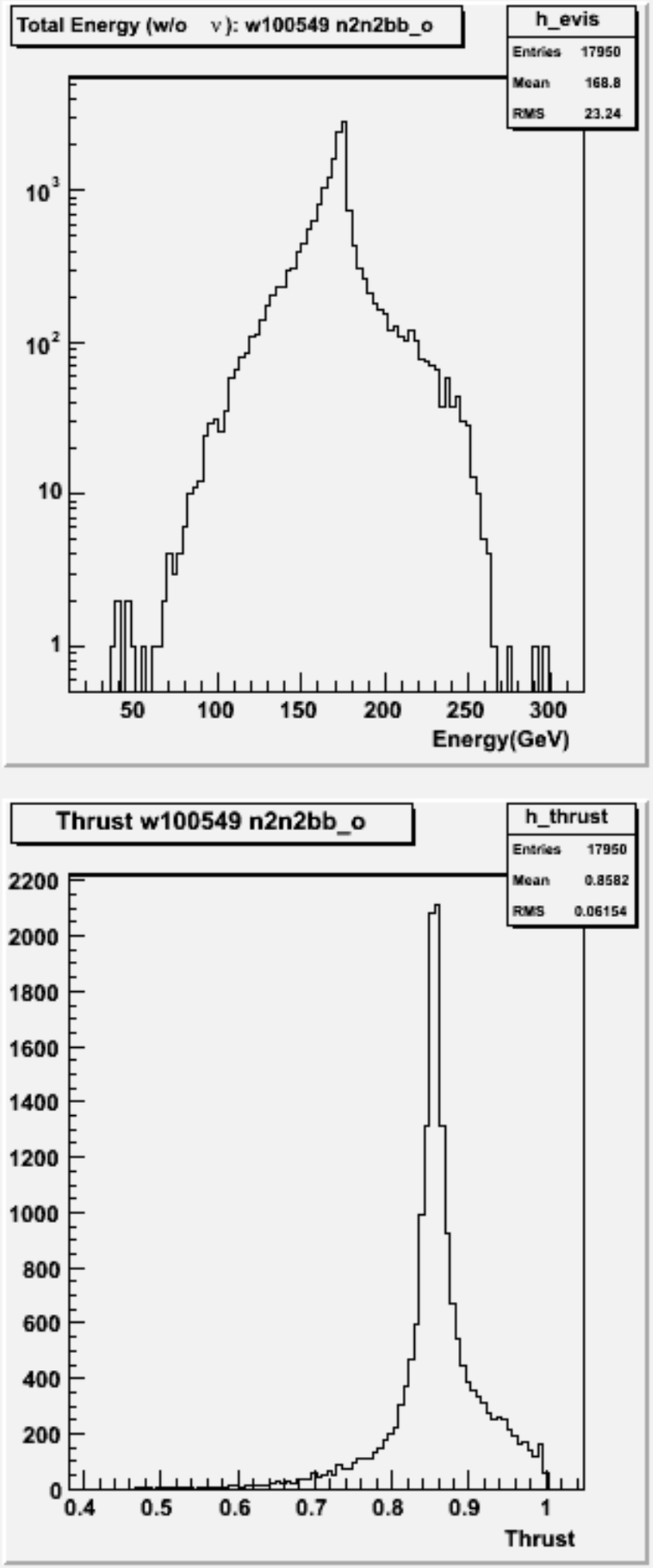
Pt Sum: w100549 n2n2bb_o
h_pt
Entries 17950
Mean 71.14
RMS 39.21
Pt(sum) (GeV)

Pz Sum: w100549 n2n2bb_o
h_pz
Entries 17950
Mean 0.6874
RMS 103.8
Pz(sum) (GeV)

Thrust w100549 n2n2bb_o
h_thrust
Entries 17950
Mean 0.8582
RMS 0.06154
Thrust


Total Energy (inc. ν): w100549 n2n2bb_o
h_etot
Entries 17950
Mean 346.9
RMS 7.362
Total Energy(GeV)

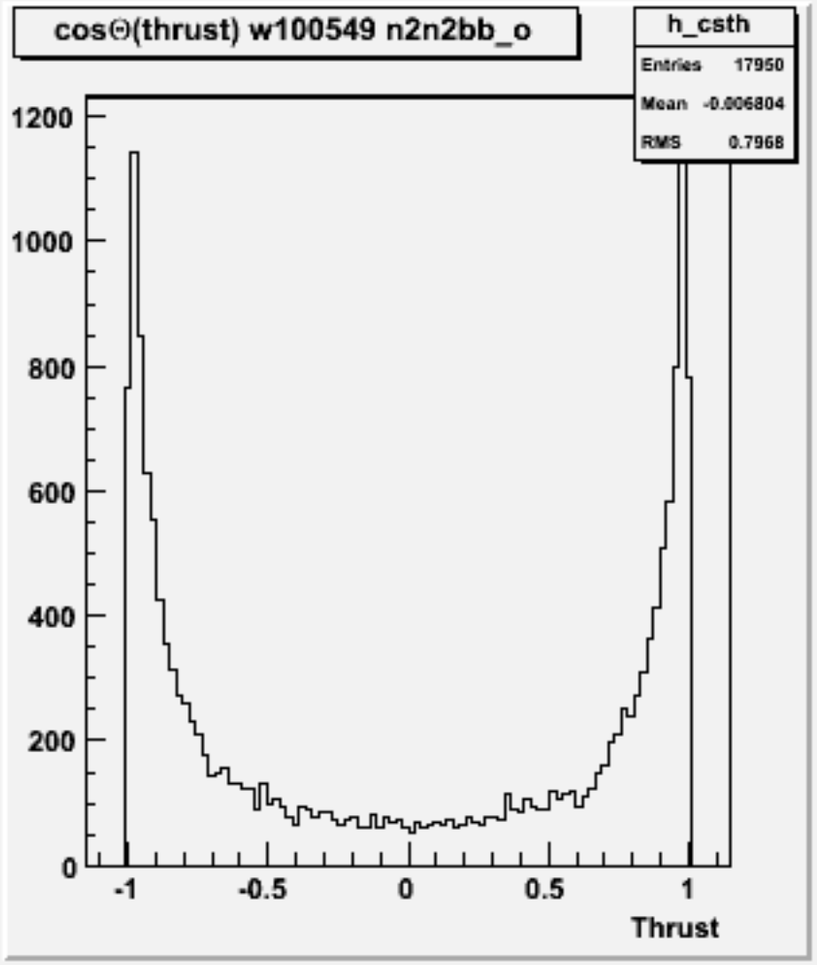

Total Energy (inc. ν): w100549 n2n2bb_o
h_etotc
Entries 16343
Mean 348.6
RMS 2.328
Total Energy(GeV)

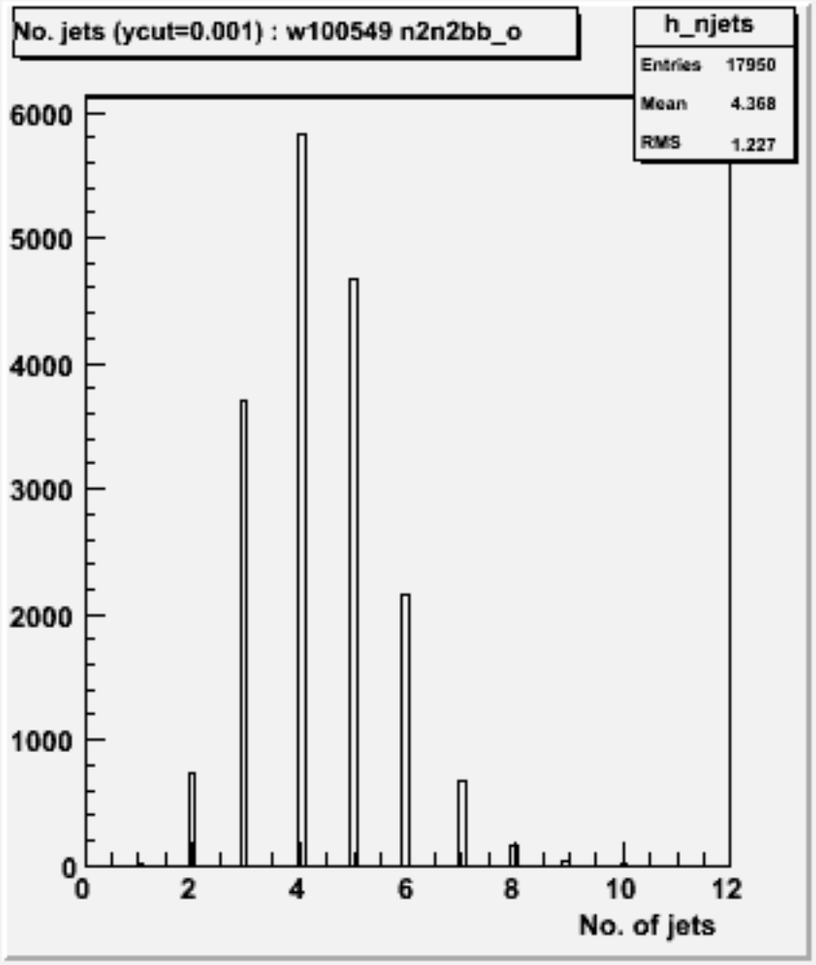

Total Energy (w/o ν): w100549 n2n2bb_o
h_evis
Entries 17950
Mean 168.8
RMS 23.24
Energy(GeV)

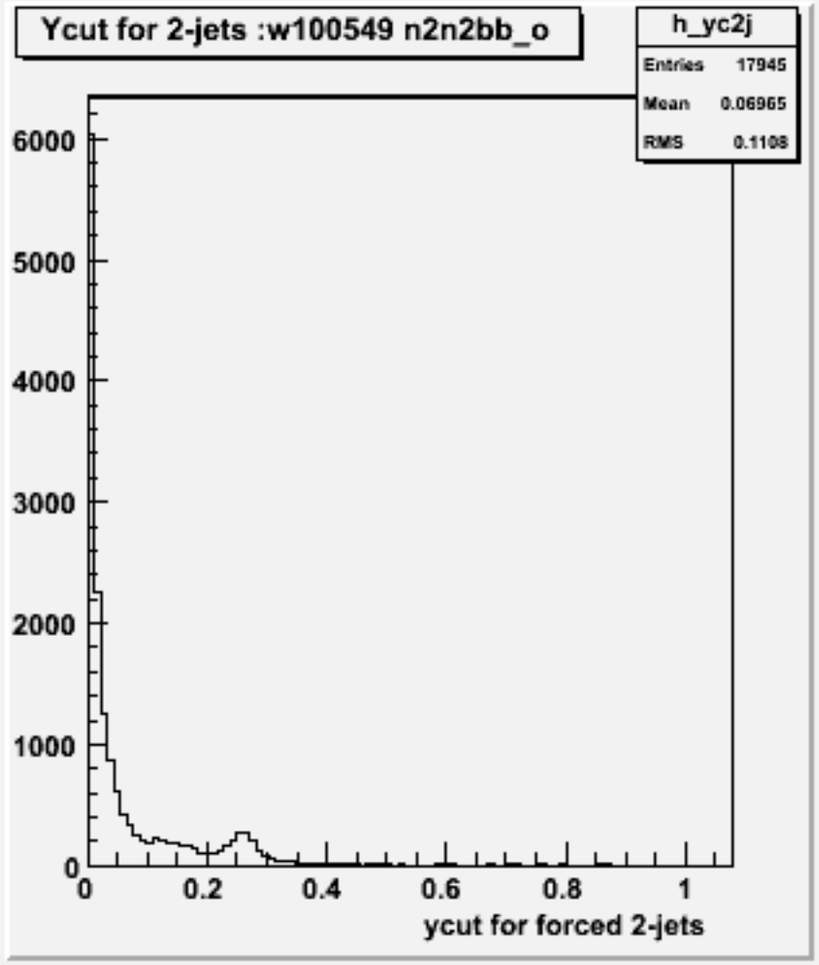
Pt Sum: w100549 n2n2bb_o
h_pt
Entries 17950
Mean 71.14
RMS 39.21
Pt(sum) (GeV)

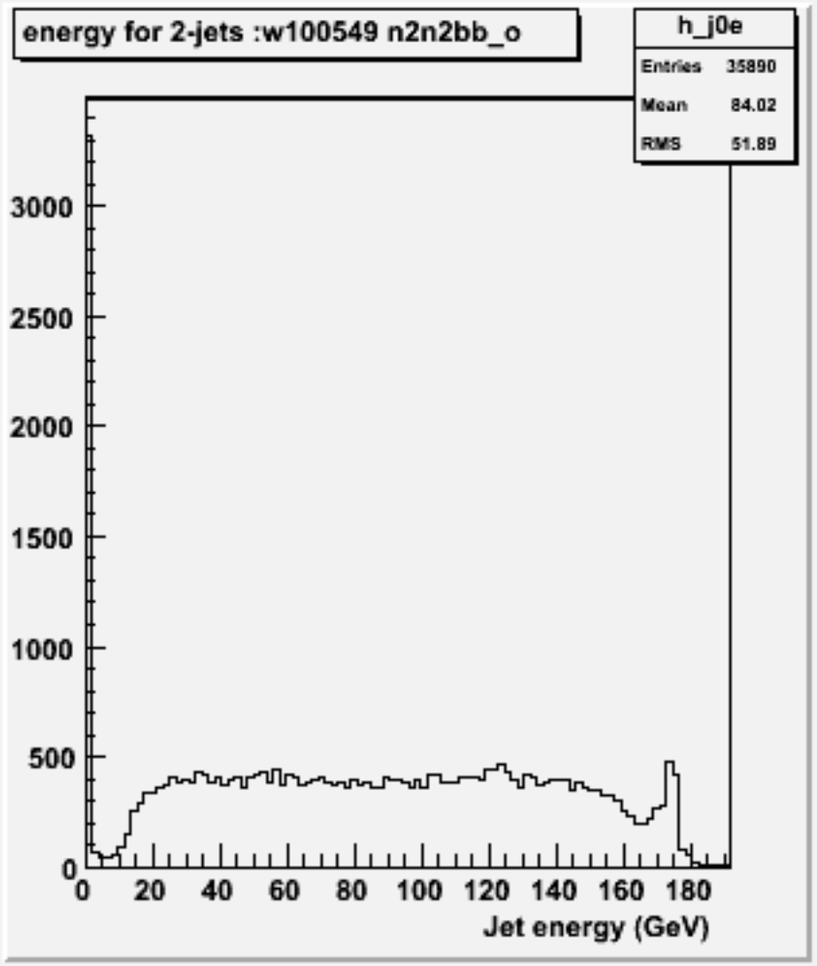
Pz Sum: w100549 n2n2bb_o
h_pz
Entries 17950
Mean 0.6874
RMS 103.8
Pz(sum) (GeV)

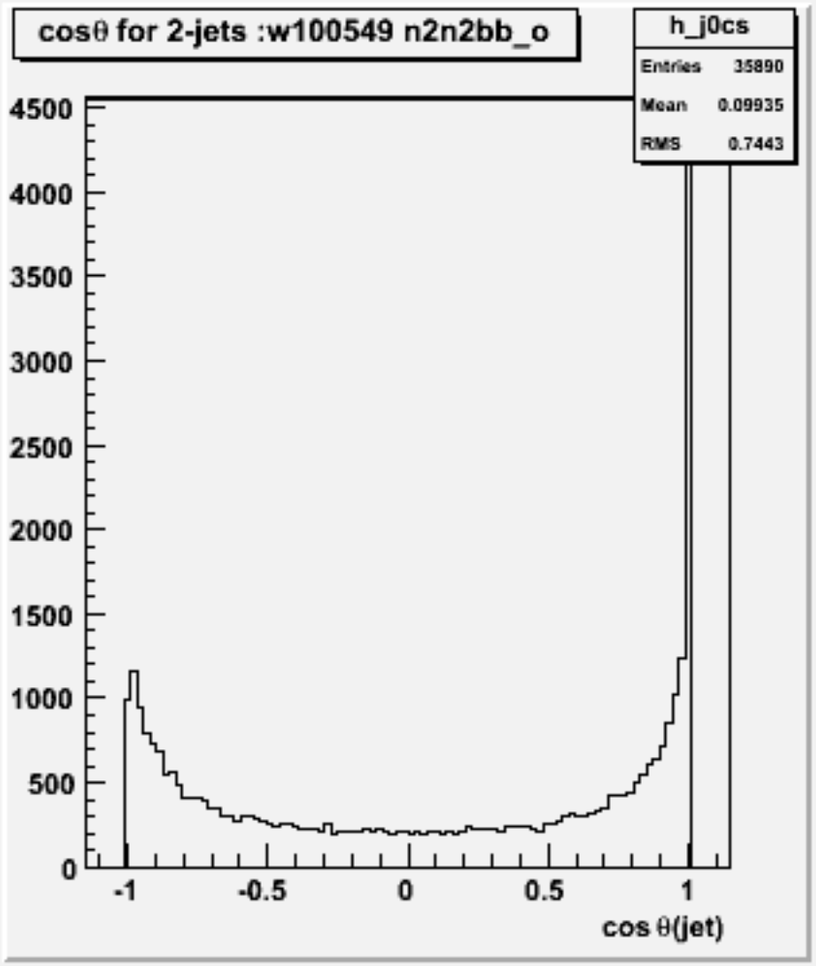
Thrust w100549 n2n2bb_o
h_thrust
Entries 17950
Mean 0.8582
RMS 0.06154
Thrust

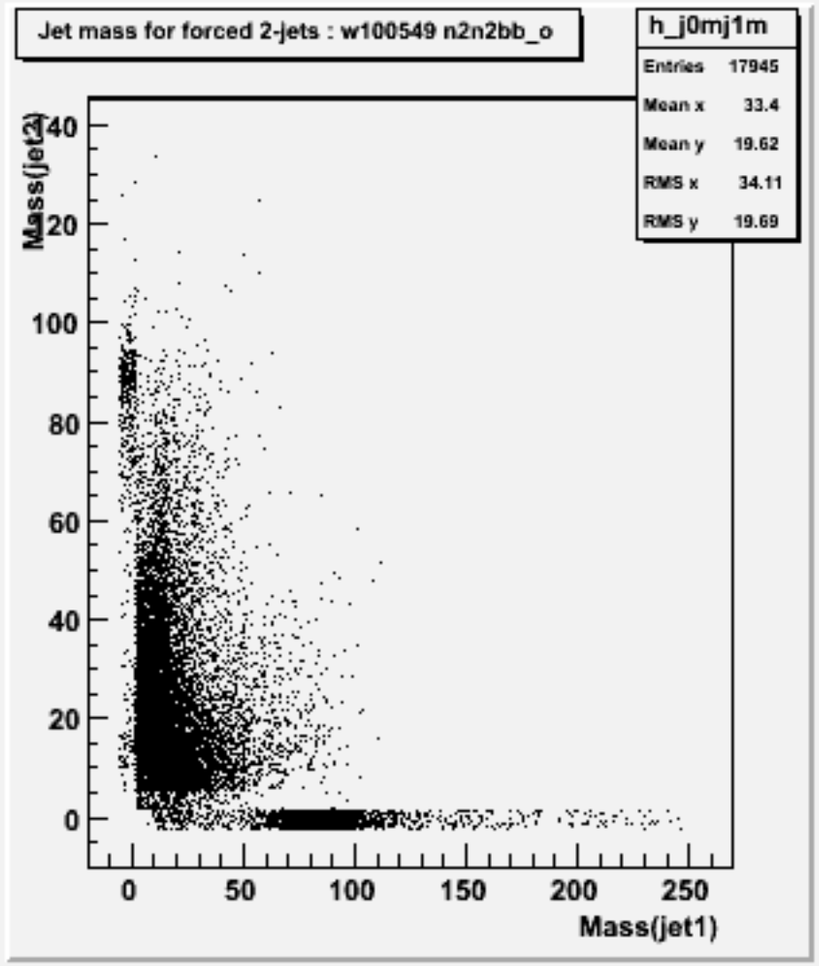

cosΘ(thrust) w100549 n2n2bb_o
h_csth
Entries 17950
Mean -0.006804
RMS 0.7968
Thrust

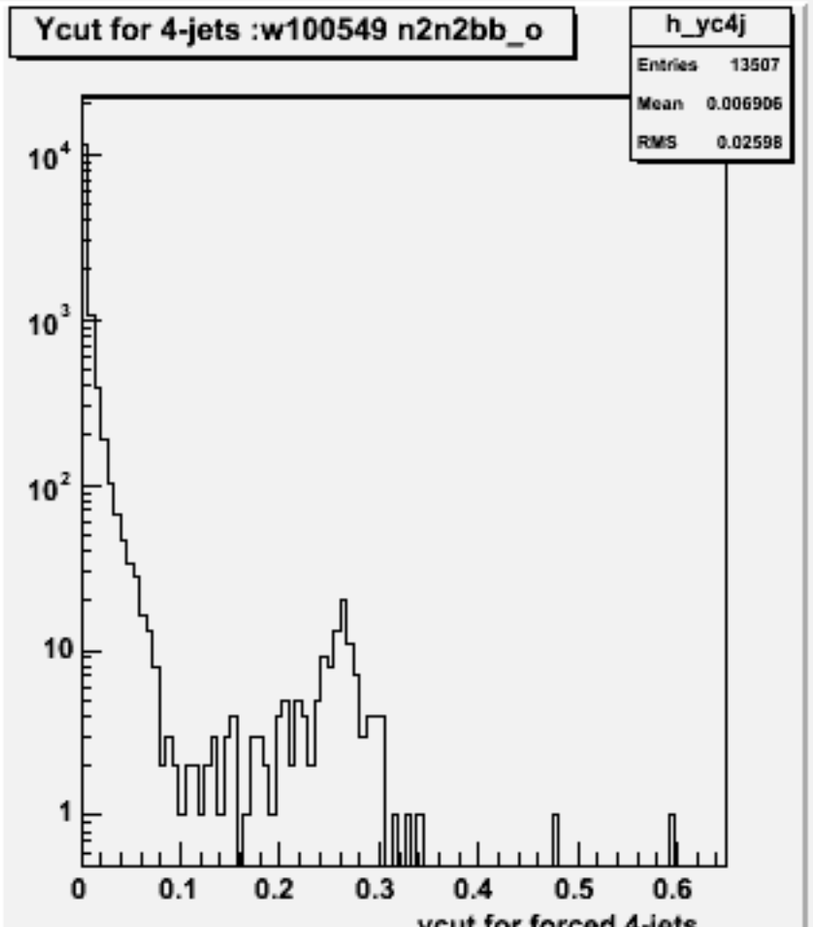

No. jets (ycut=0.001) : w100549 n2n2bb_o
h_njets
Entries 17950
Mean 4.368
RMS 1.227
No. of jets

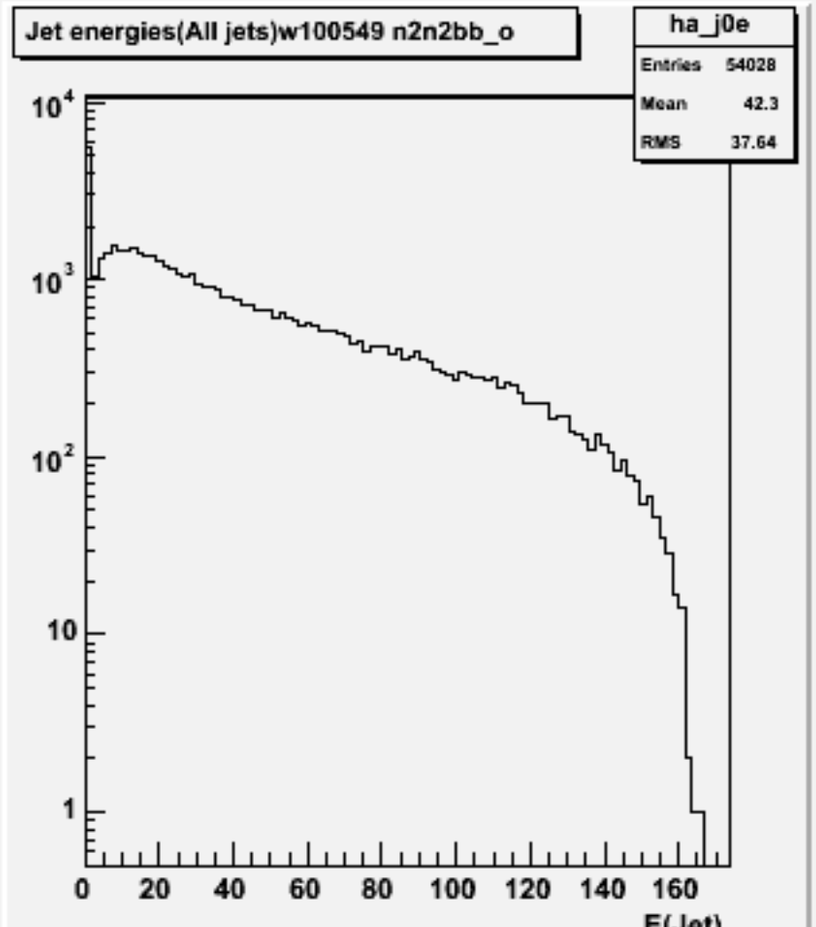

Ycut for 2-jets :w100549 n2n2bb_o
h_yc2j
Entries 17945
Mean 0.06965
RMS 0.1108
ycut for forced 2-jets

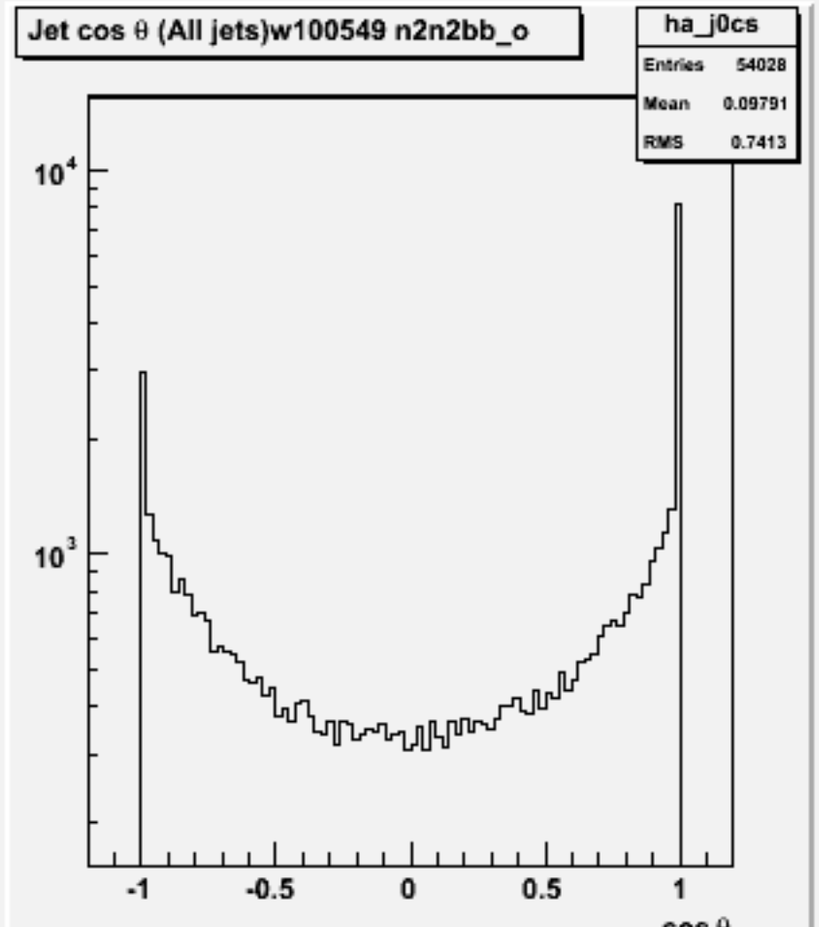

energy for 2-jets :w100549 n2n2bb_o
h_j0e
Entries 35890
Mean 84.02
RMS 51.89
Jet energy (GeV)

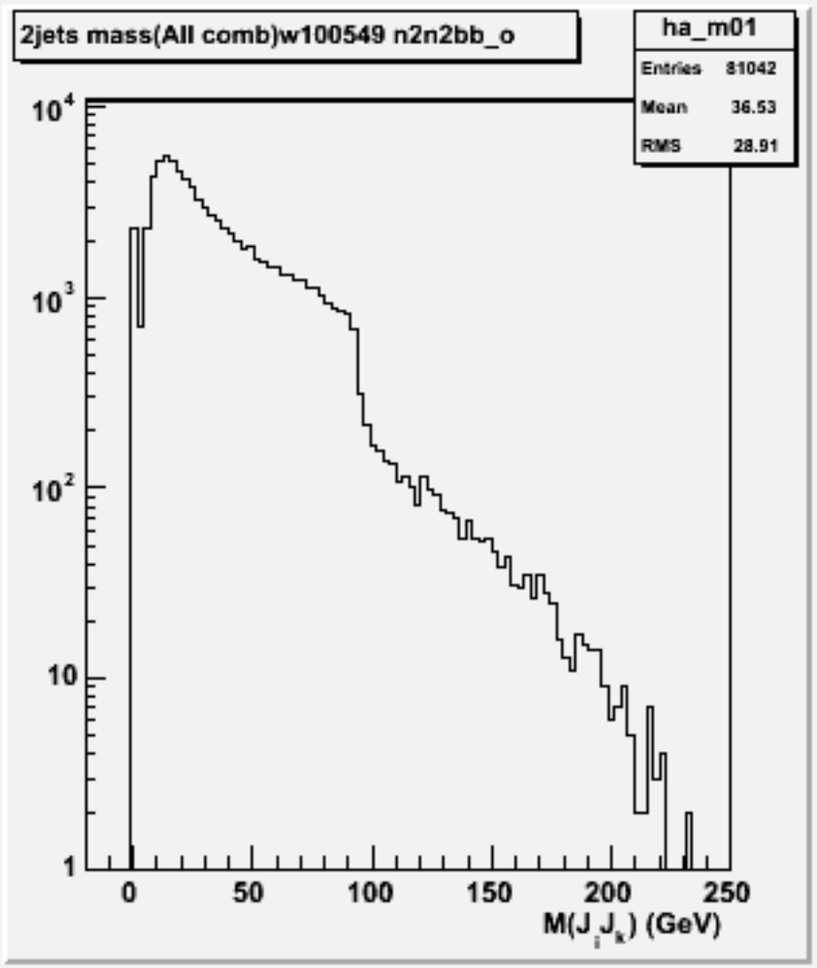

cosθ for 2-jets :w100549 n2n2bb_o
h_j0cs
Entries 35890
Mean 0.09935
RMS 0.7443
cos θ(jet)

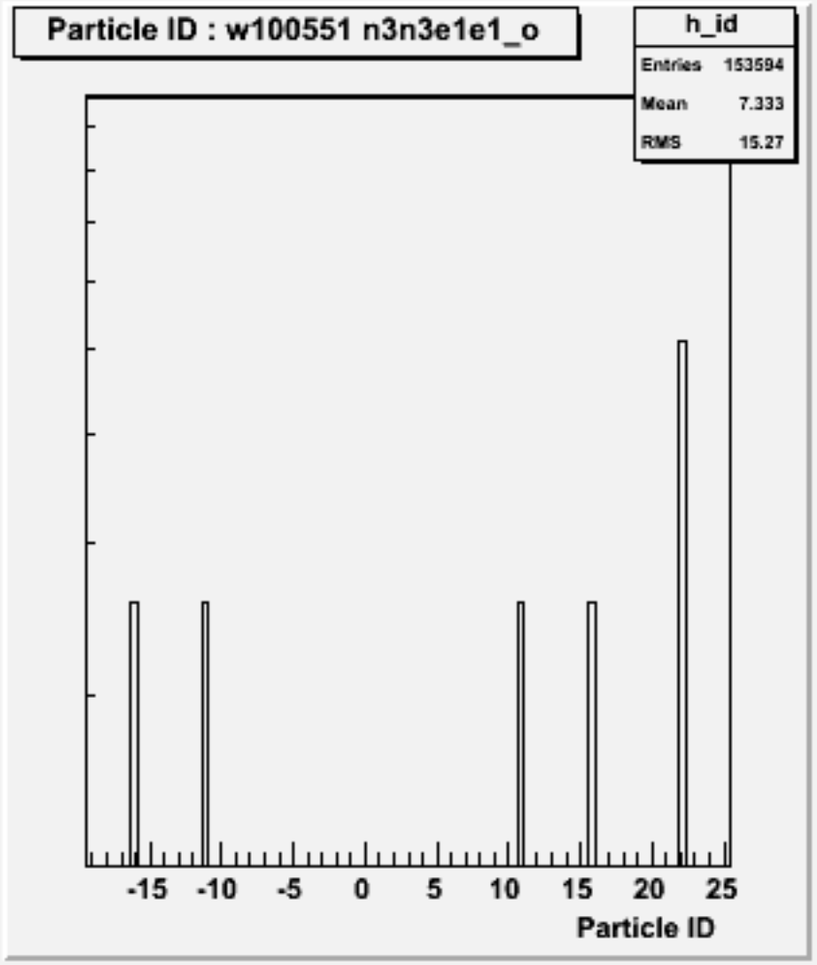

Jet mass for forced 2-jets : w100549 n2n2bb_o
h_j0mj1m
Entries 17945
Mean x 33.4
Mean y 19.62
RMS x 34.11
RMS y 19.69
Mass(jet2)
Mass(jet1)

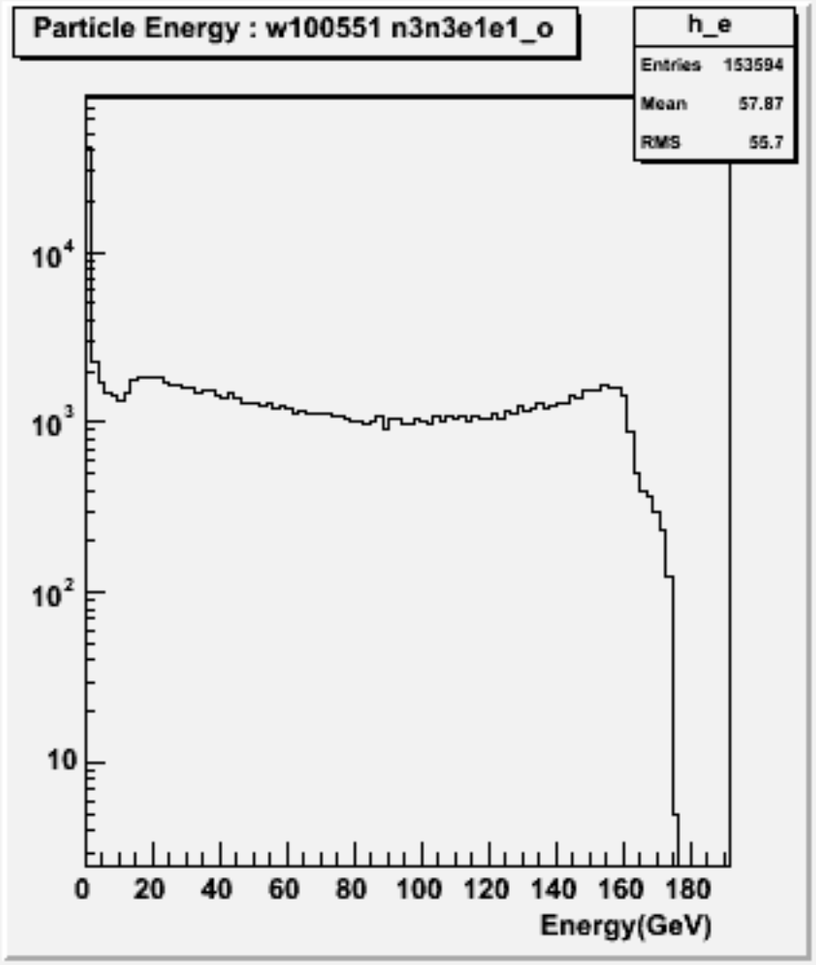

Ycut for 4-jets :w100549 n2n2bb_o
h_yc4j
Entries 13507
Mean 0.006906
RMS 0.02598
ycut for forced 4-jets

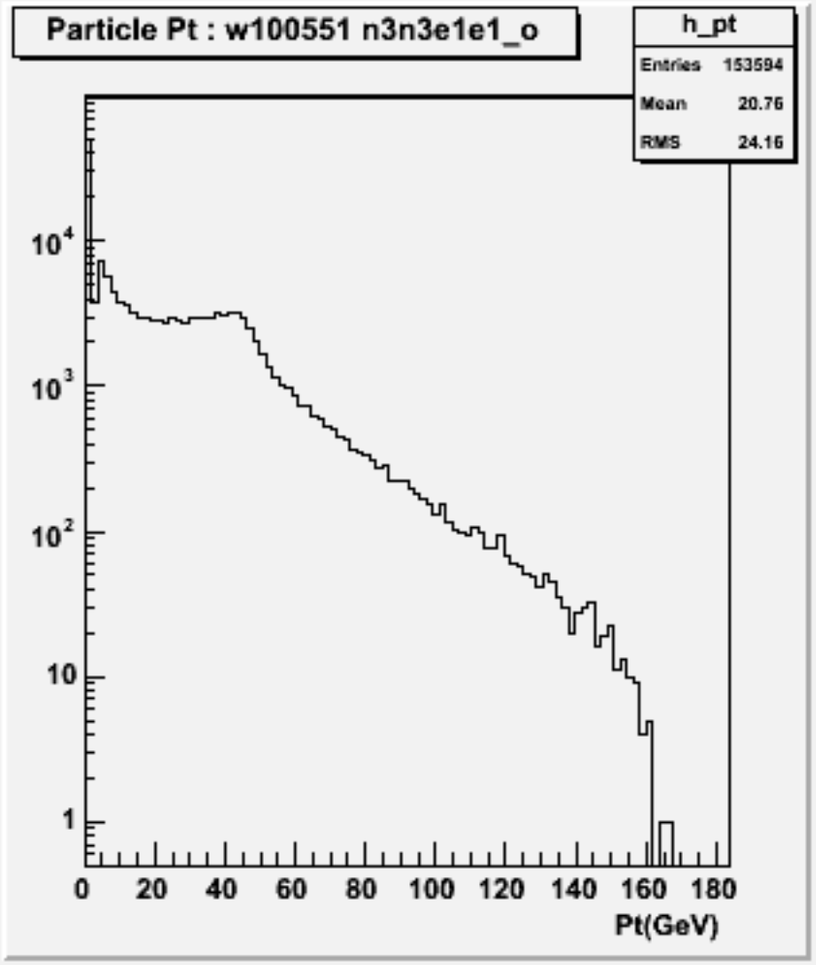

Jet energies(All jets)w100549 n2n2bb_o
ha_j0e
Entries 54028
Mean 42.3
RMS 37.64
E(Jet)

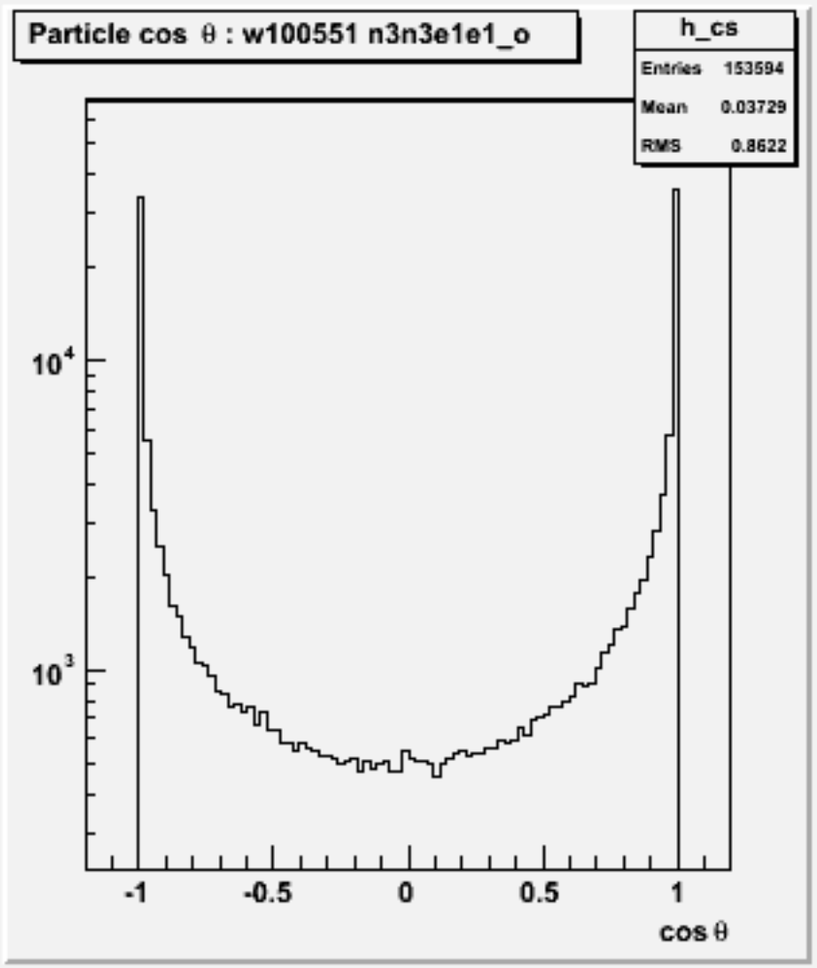

Jet cos θ (All jets)w100549 n2n2bb_o
ha_j0cs
Entries 54028
Mean 0.09791
RMS 0.7413
cos θ

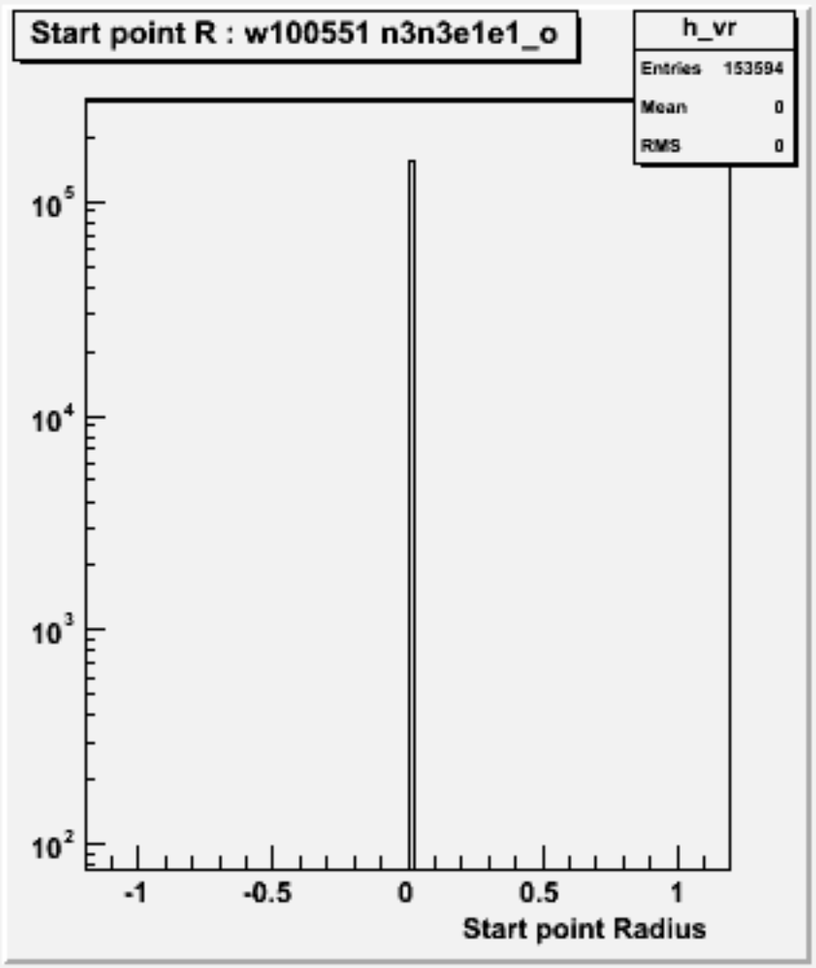

2jets mass(All comb)w100549 n2n2bb_o
ha_m01
Entries 81042
Mean 36.53
RMS 28.91
M(J_iJ_k) (GeV)

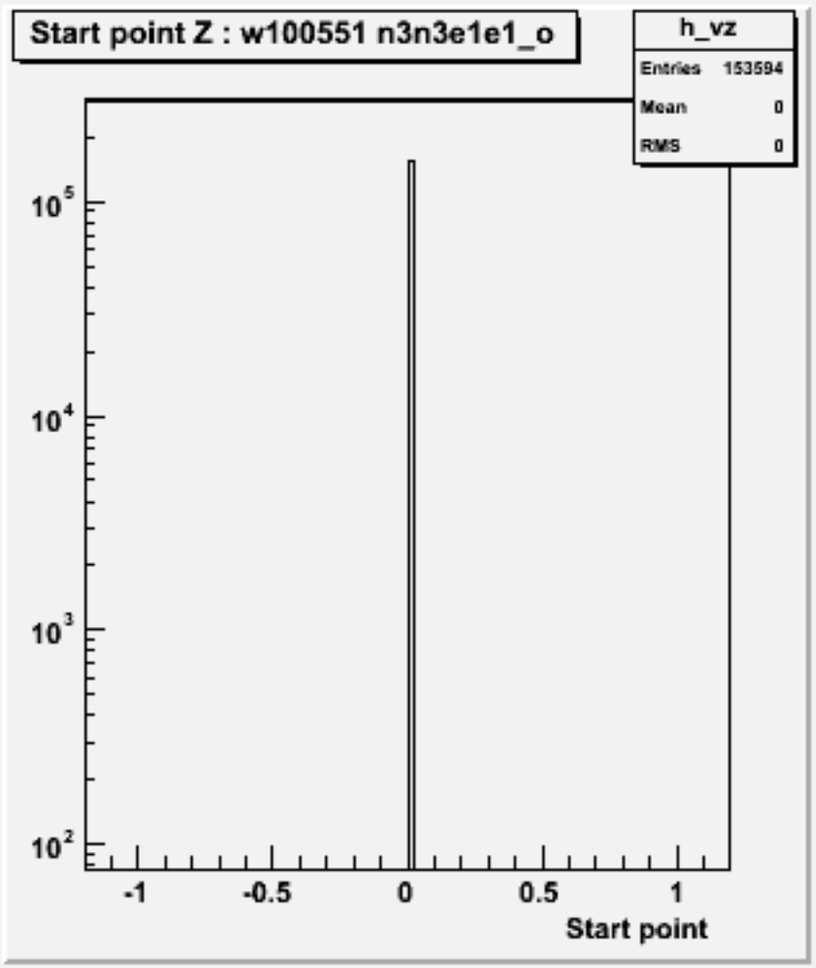

Particle ID : w100551 n3n3e1e1_o
h_id
Entries 153594
Mean 7.333
RMS 15.27
-15 -10 -5 0 5 10 15 20 25
Particle ID

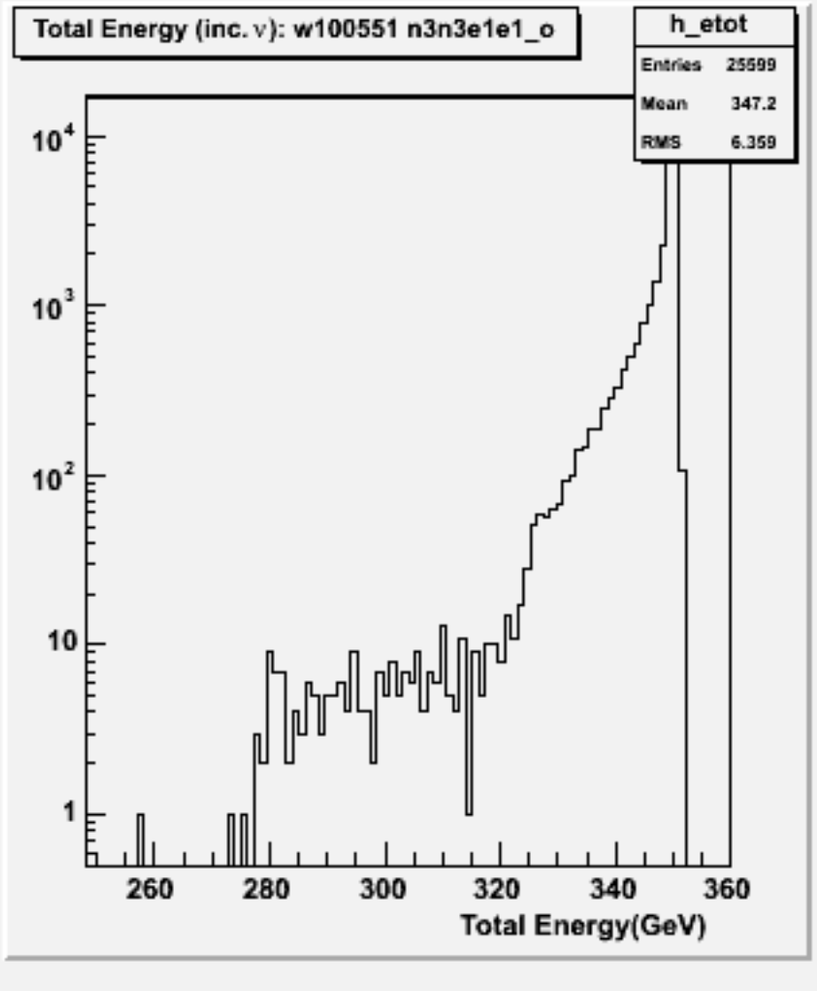

Particle Energy : w100551 n3n3e1e1_o
h_e
Entries 153594
Mean 57.87
RMS 55.7
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

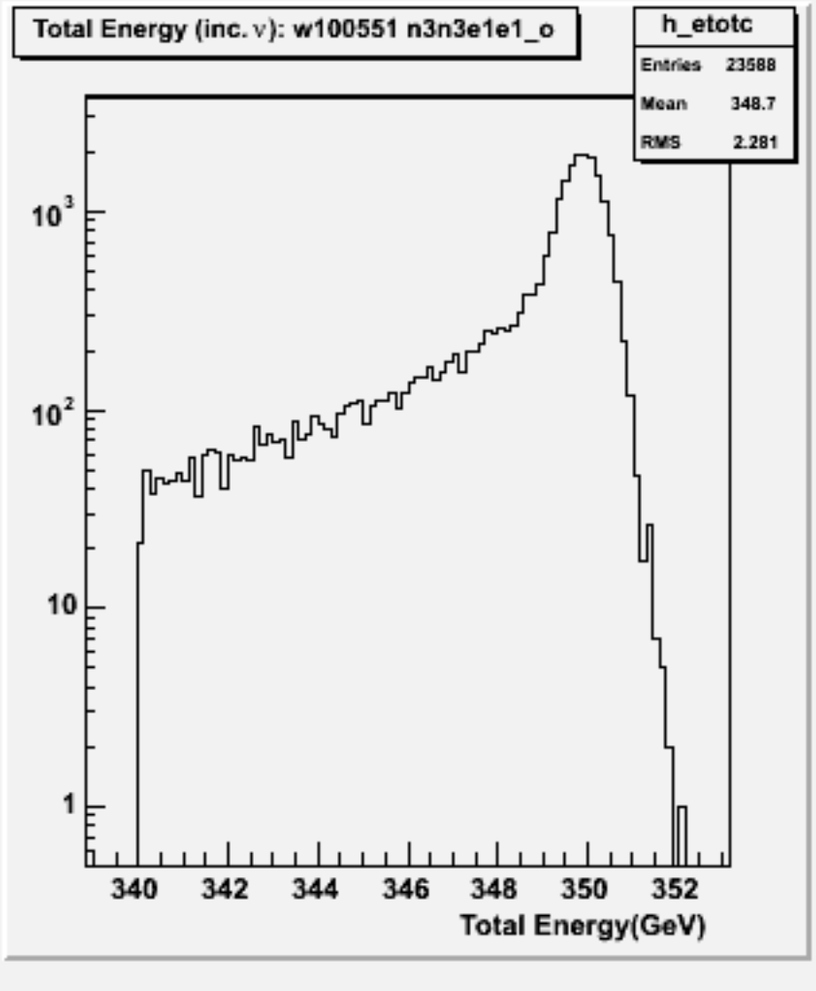

Particle Pt : w100551 n3n3e1e1_o
h_pt
Entries 153594
Mean 20.76
RMS 24.16
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

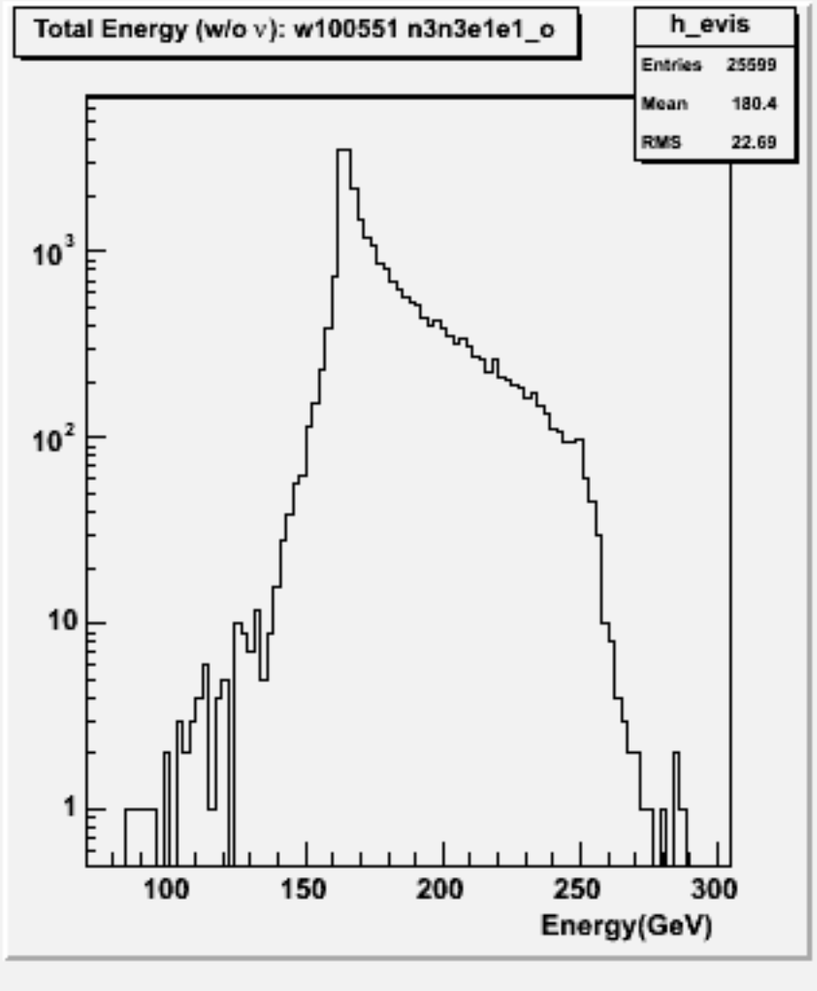

Particle cos θ : w100551 n3n3e1e1_o
h_cs
Entries 153594
Mean 0.03729
RMS 0.8622
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

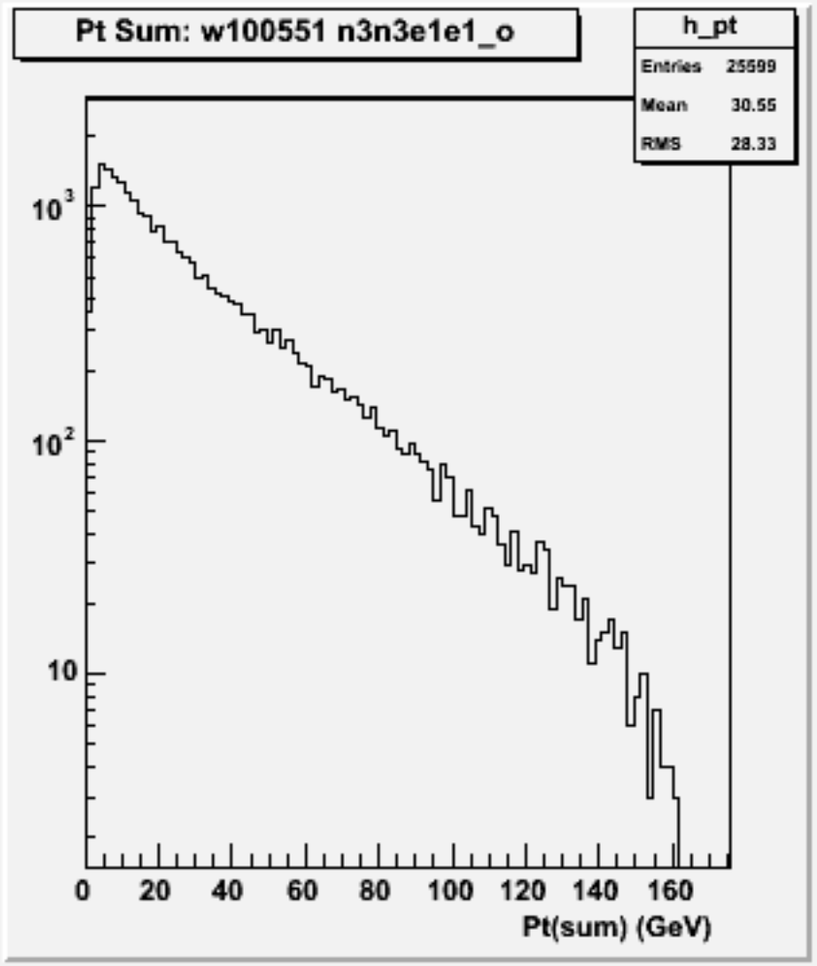

Start point R : w100551 n3n3e1e1_o
h_vr
Entries 153594
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

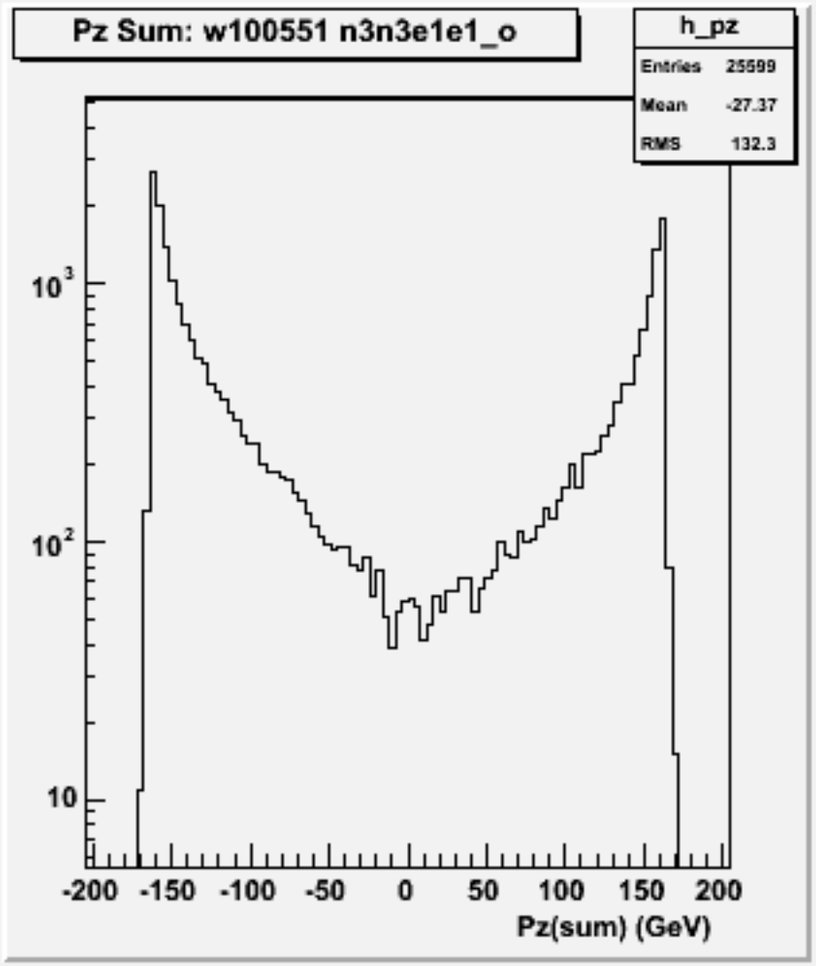

Start point Z : w100551 n3n3e1e1_o
h_vz
Entries 153594
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

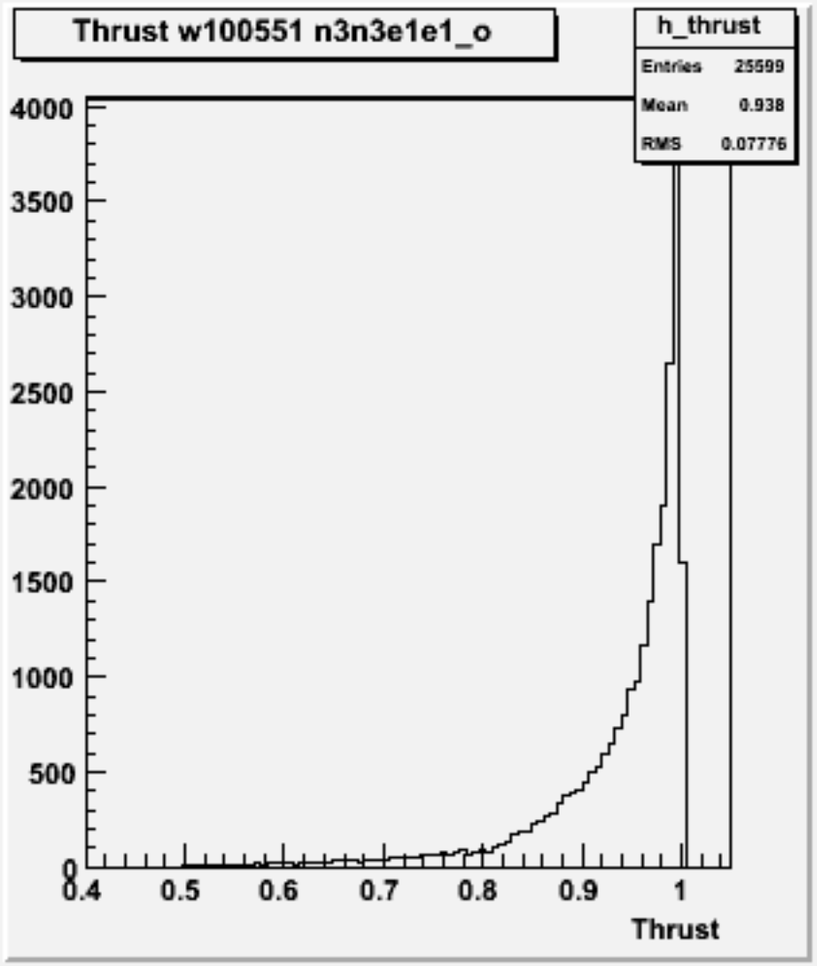

Total Energy (inc. ν): w100551 n3n3e1e1_o
h_etot
Entries 25599
Mean 347.2
RMS 6.359
Total Energy(GeV)

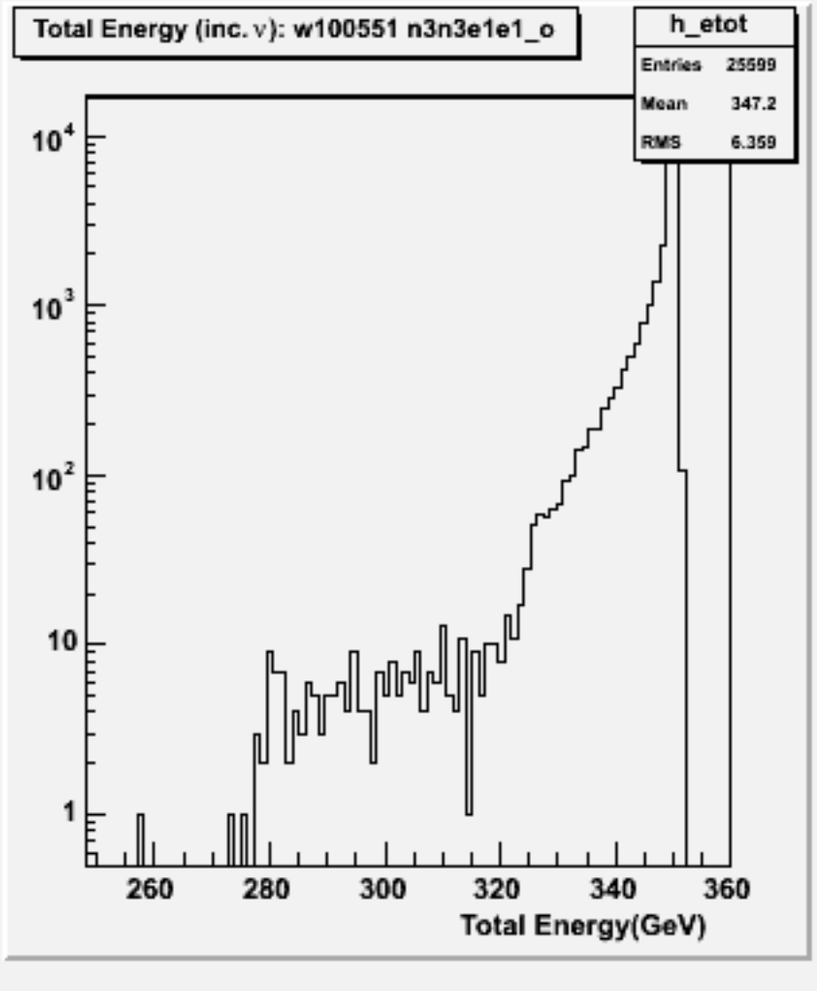

Total Energy (inc. ν): w100551 n3n3e1e1_o
h_etotc
Entries 23588
Mean 348.7
RMS 2.281
Total Energy(GeV)

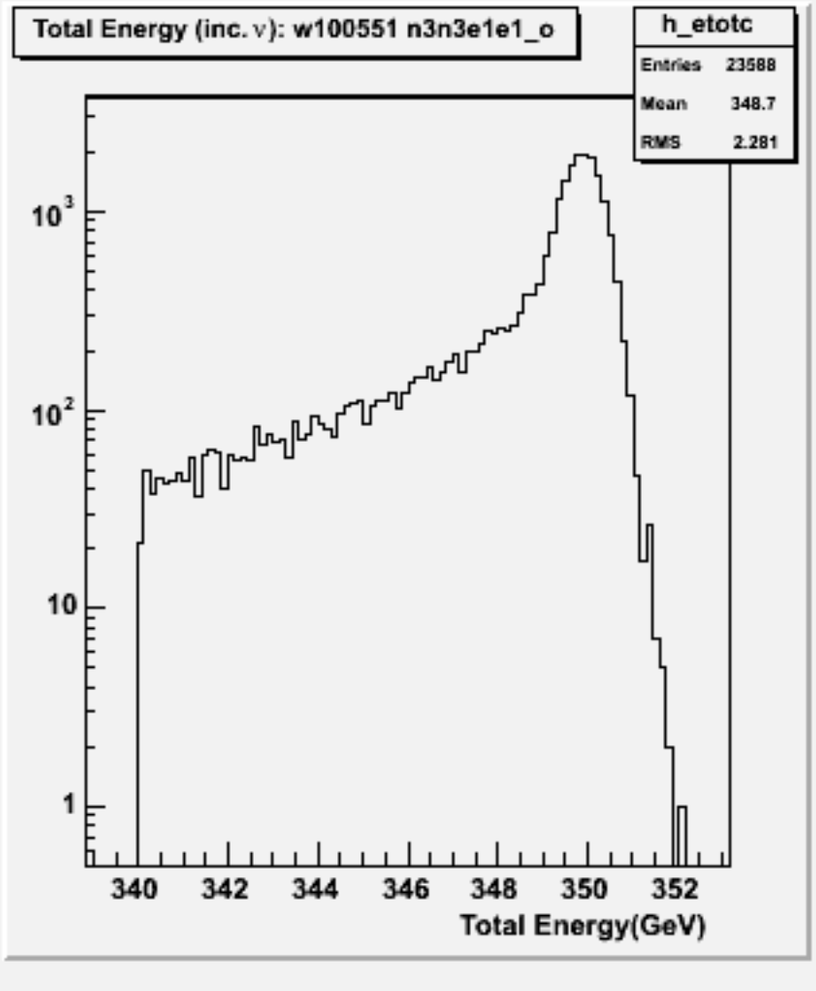

Total Energy (w/o ν): w100551 n3n3e1e1_o
h_evis
Entries 25599
Mean 180.4
RMS 22.69
Energy(GeV)

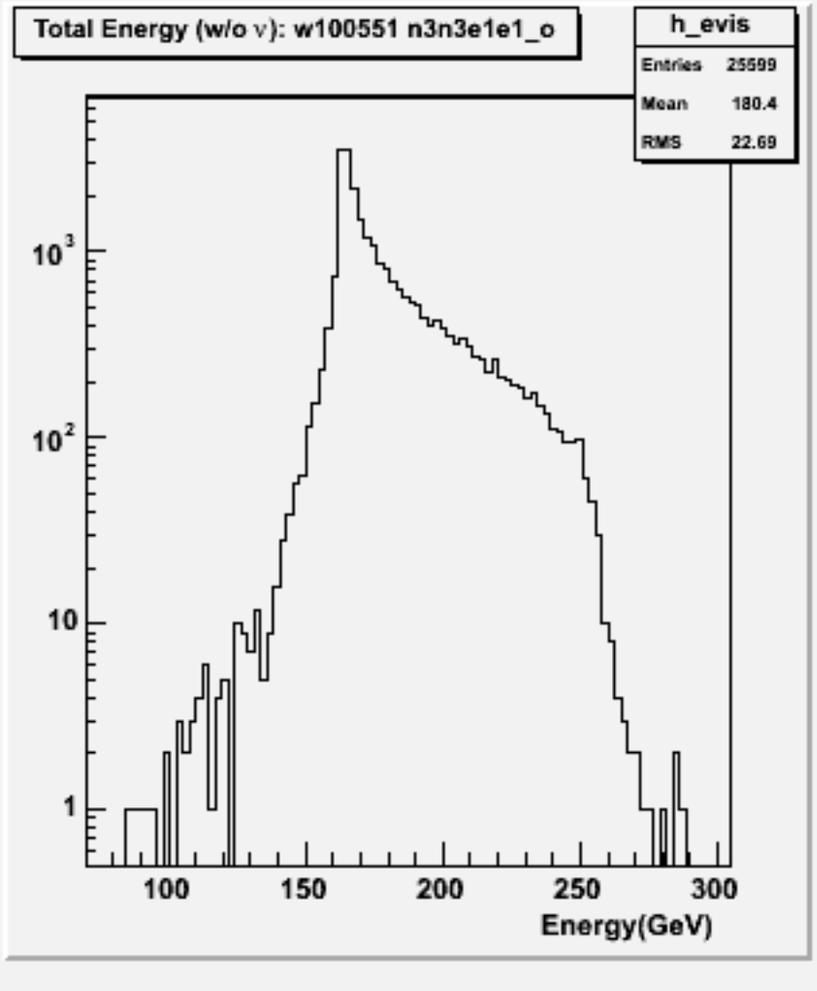

Pt Sum: w100551 n3n3e1e1_o
h_pt
Entries 25599
Mean 30.55
RMS 28.33
Pt(sum) (GeV)

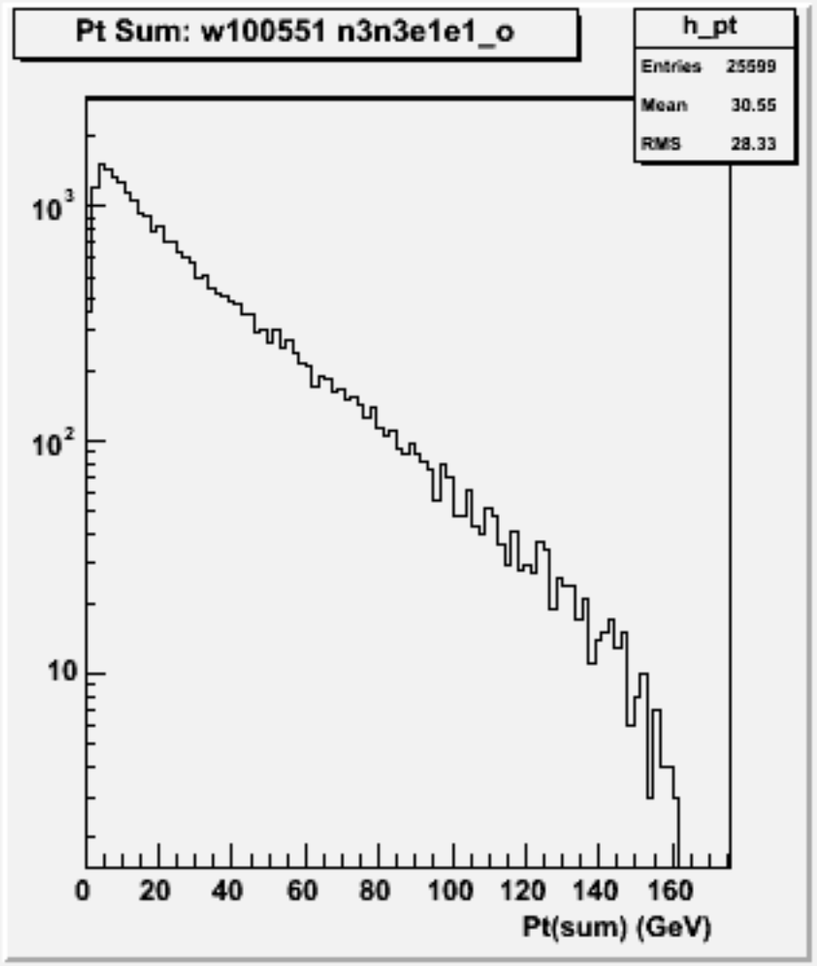

Pz Sum: w100551 n3n3e1e1_o
h_pz
Entries 25599
Mean -27.37
RMS 132.3
Pz(sum) (GeV)

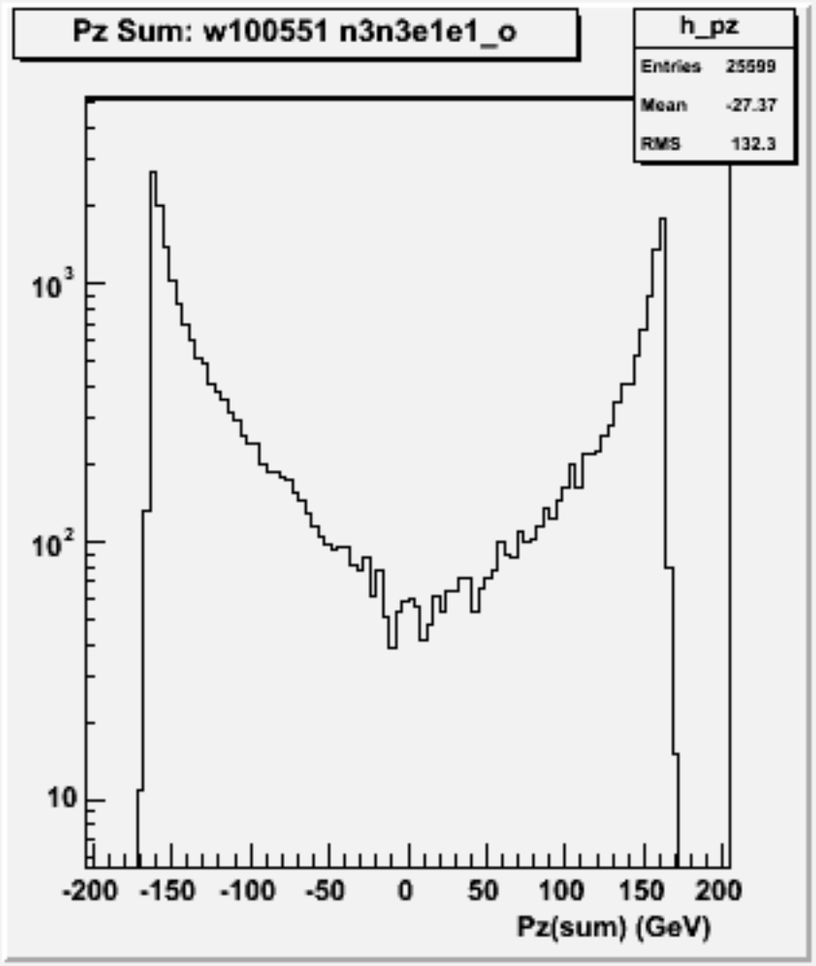

Thrust w100551 n3n3e1e1_o
h_thrust
Entries 25599
Mean 0.938
RMS 0.07776
Thrust

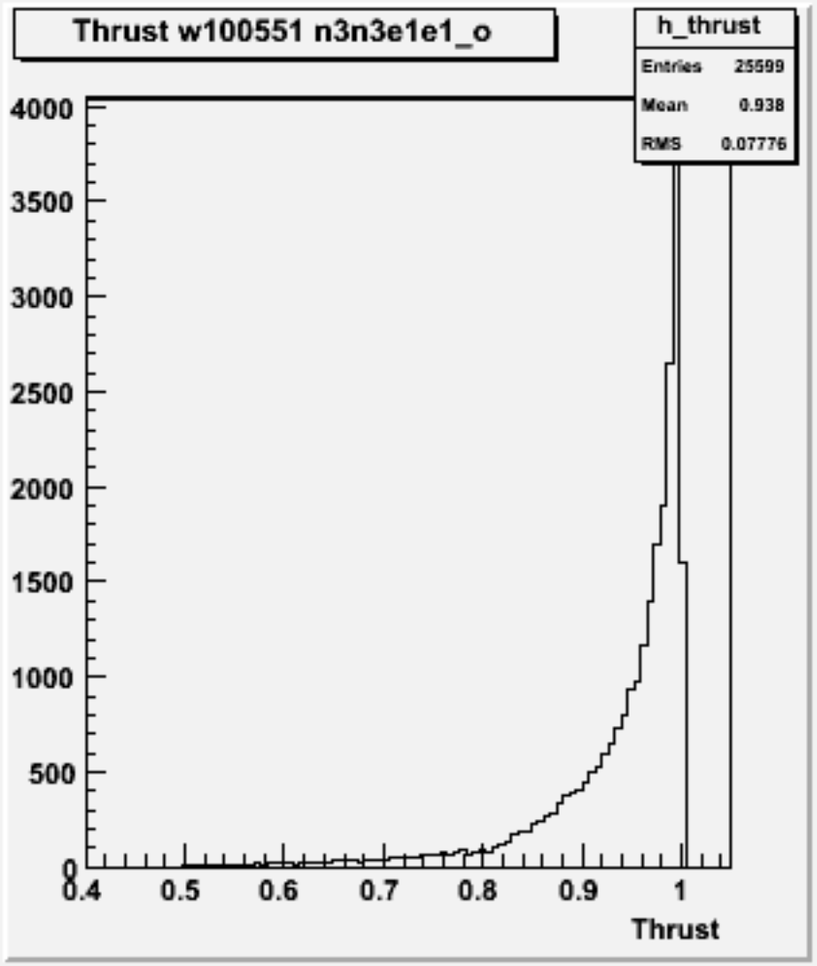

Total Energy (inc. ν): w100551 n3n3e1e1_o
h_etot
Entries 25599
Mean 347.2
RMS 6.359
Total Energy(GeV)

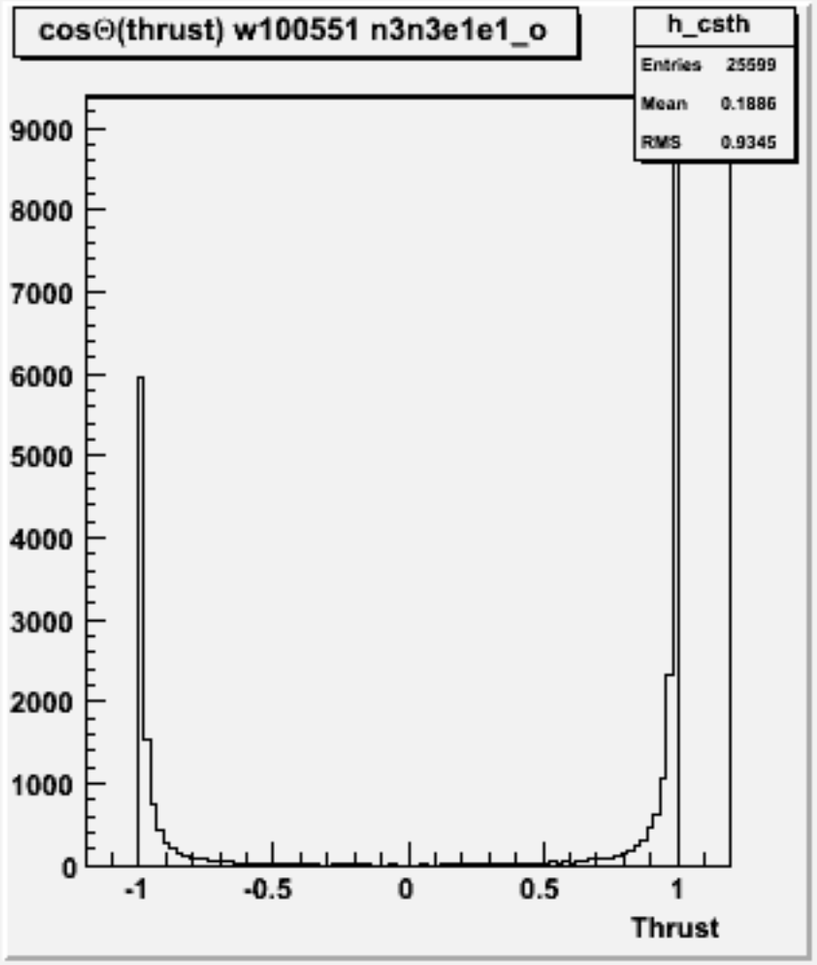

Total Energy (inc. ν): w100551 n3n3e1e1_o
h_etotc
Entries 23588
Mean 348.7
RMS 2.281
Total Energy(GeV)

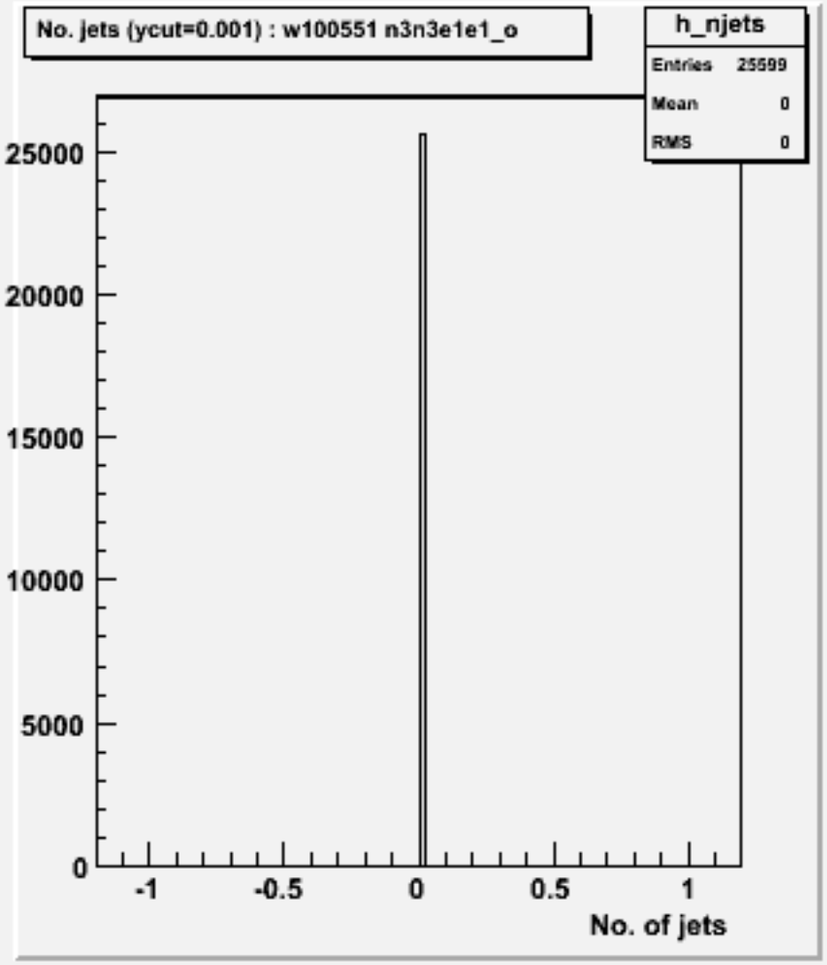

Total Energy (w/o ν): w100551 n3n3e1e1_o
h_evis
Entries 25599
Mean 180.4
RMS 22.69
Energy(GeV)


Pt Sum: w100551 n3n3e1e1_o
h_pt
Entries 25599
Mean 30.55
RMS 28.33
Pt(sum) (GeV)


Pz Sum: w100551 n3n3e1e1_o
h_pz
Entries 25599
Mean -27.37
RMS 132.3
Pz(sum) (GeV)


Thrust w100551 n3n3e1e1_o
h_thrust
Entries 25599
Mean 0.938
RMS 0.07776
Thrust

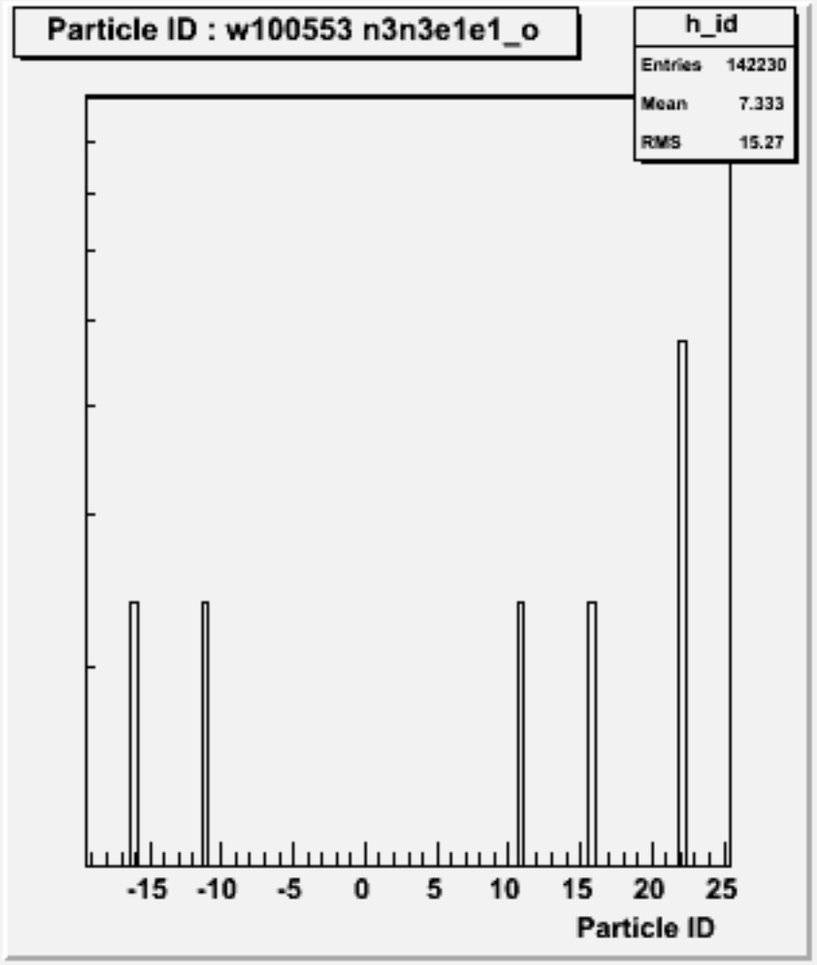


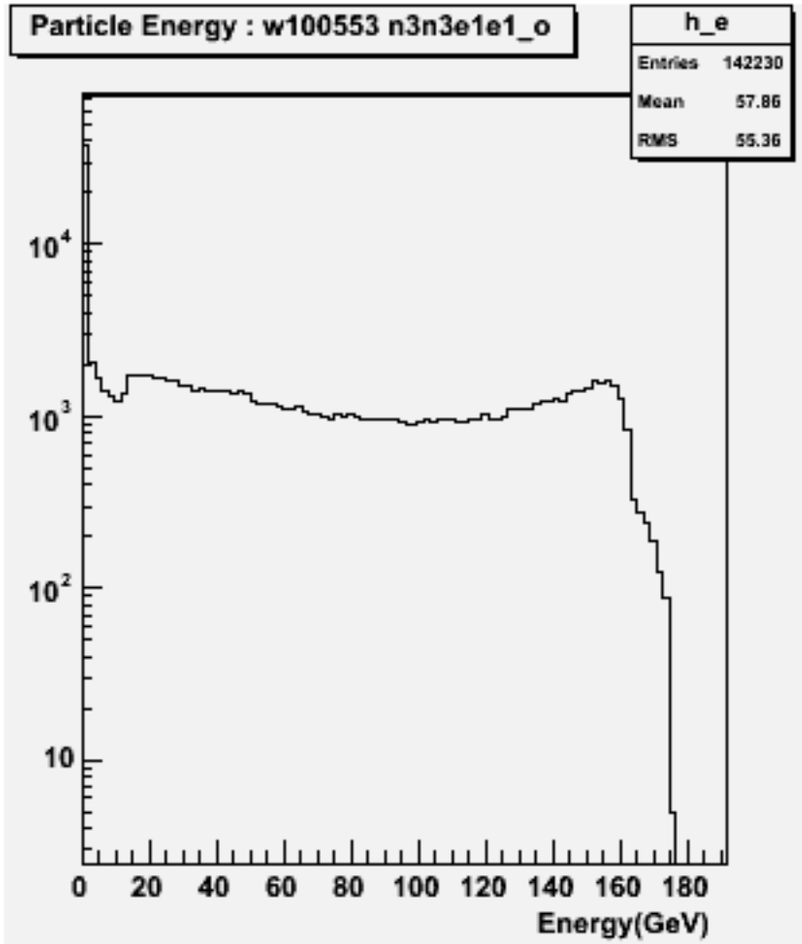


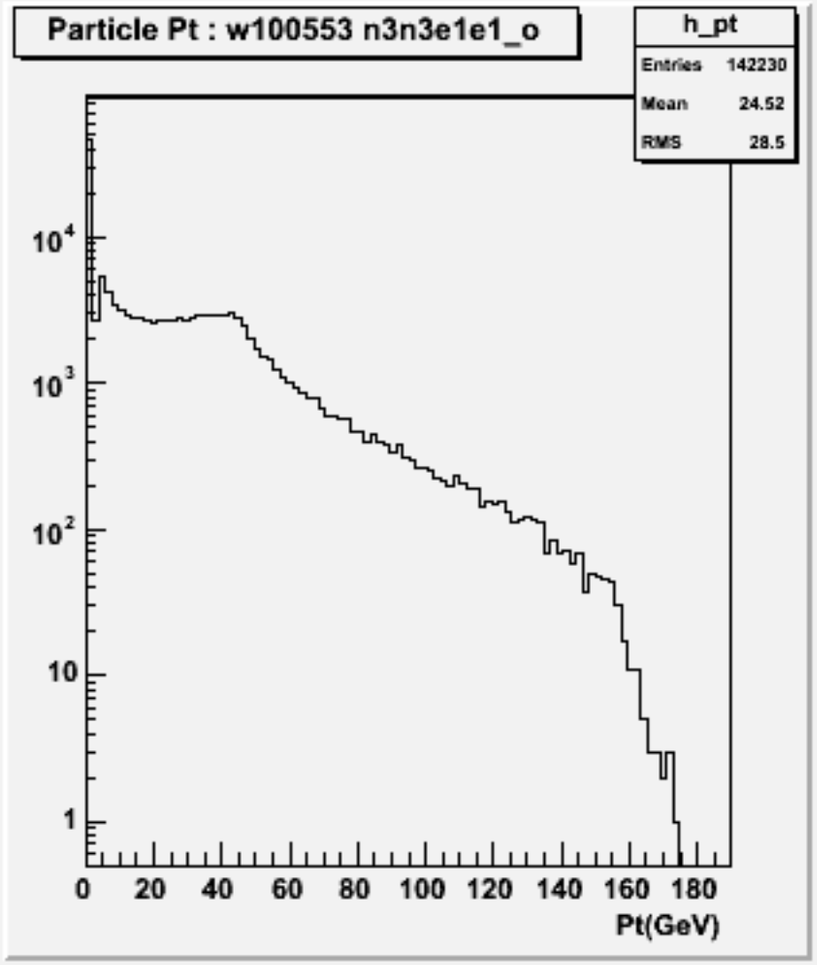
w100551 n3n3e1e1_o

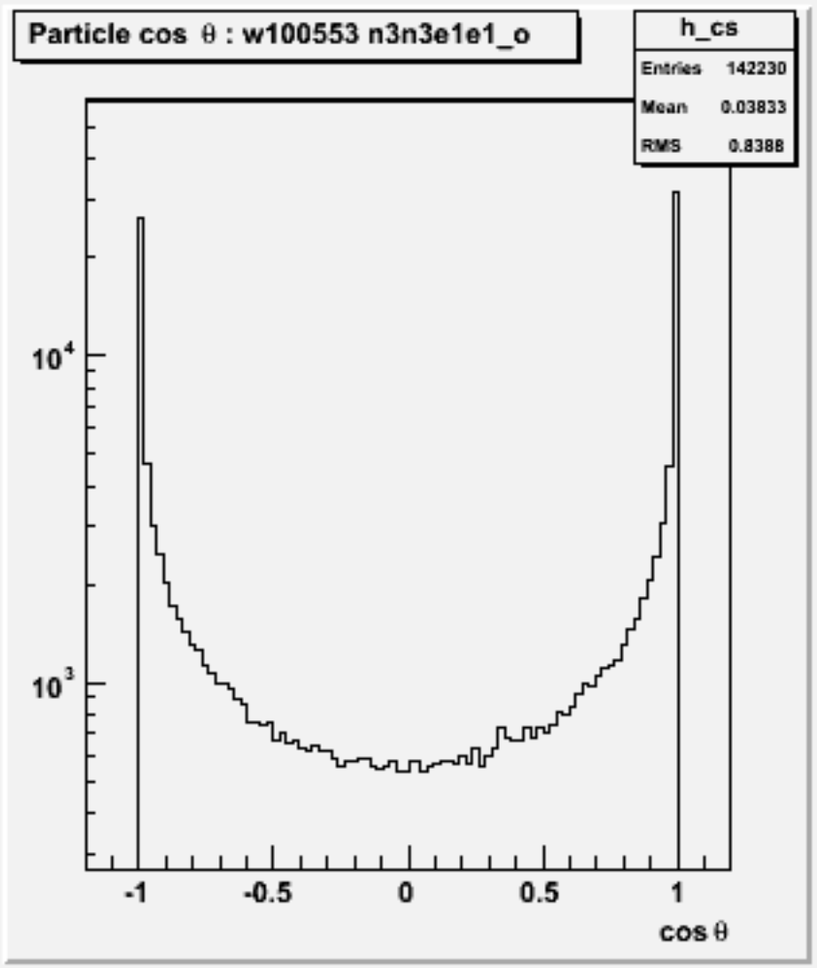
: There are no 2-jets

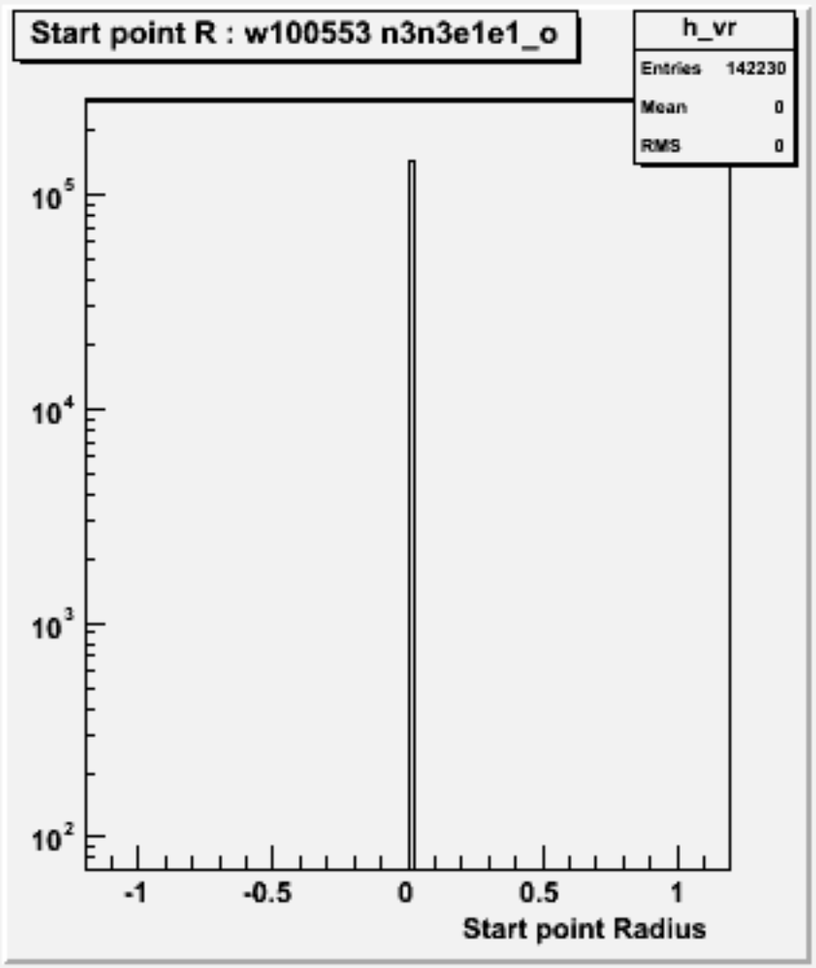
w100551 n3n3e1e1_o : There are no 4-jets

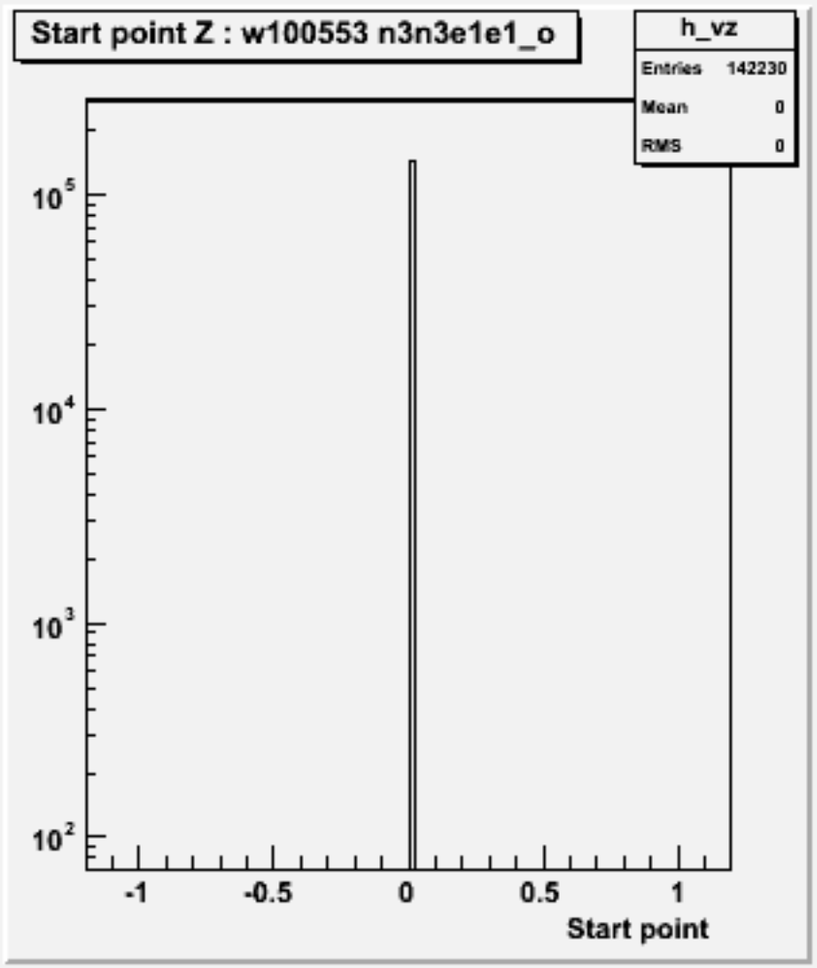

Particle ID : w100553 n3n3e1e1_o
h_id
Entries 142230
Mean 7.333
RMS 15.27
-15 -10 -5 0 5 10 15 20 25
Particle ID

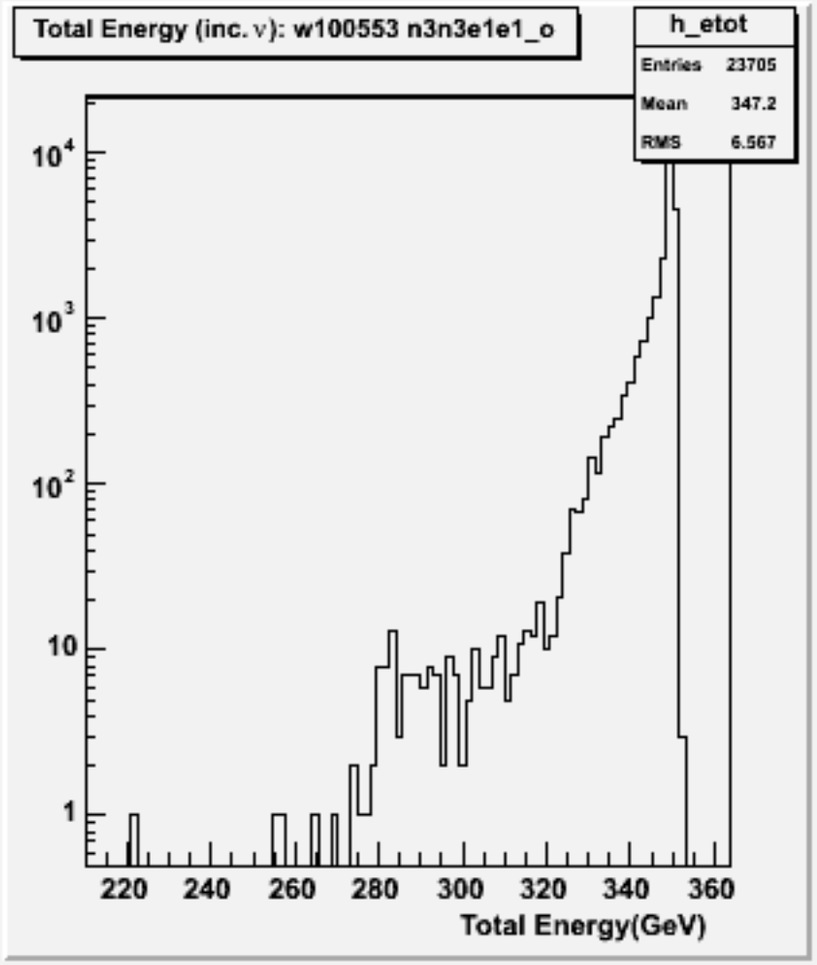

Particle Energy : w100553 n3n3e1e1_o
h_e
Entries 142230
Mean 57.86
RMS 55.36
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

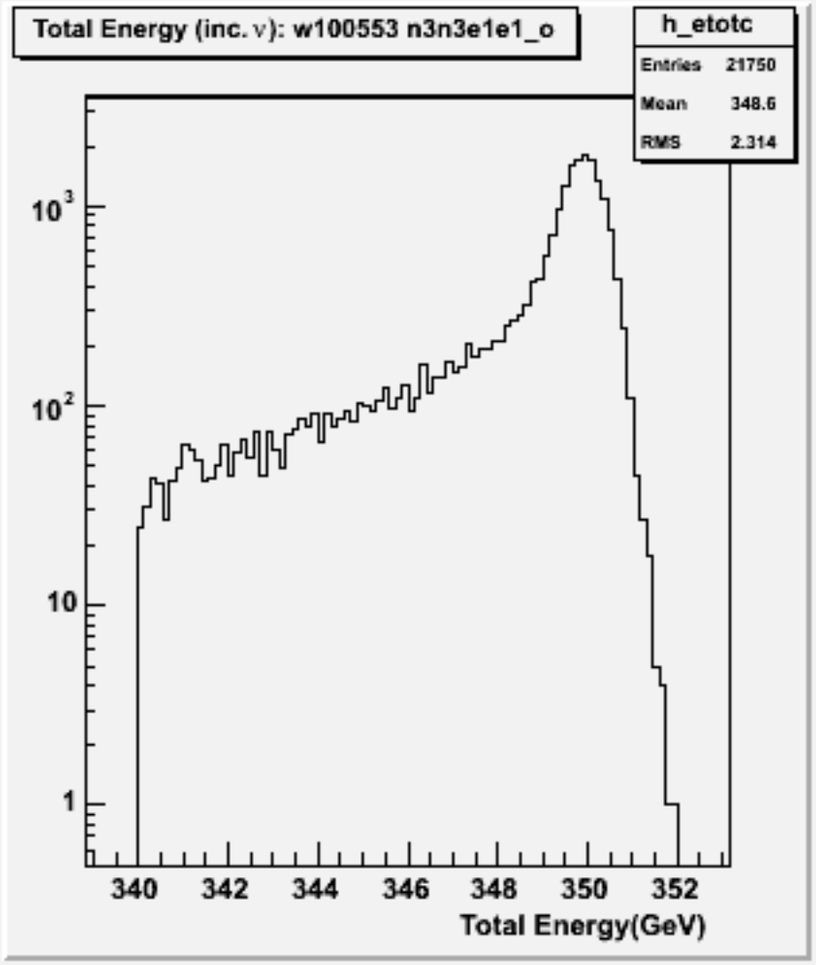

Particle Pt : w100553 n3n3e1e1_o
h_pt
Entries 142230
Mean 24.52
RMS 28.5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

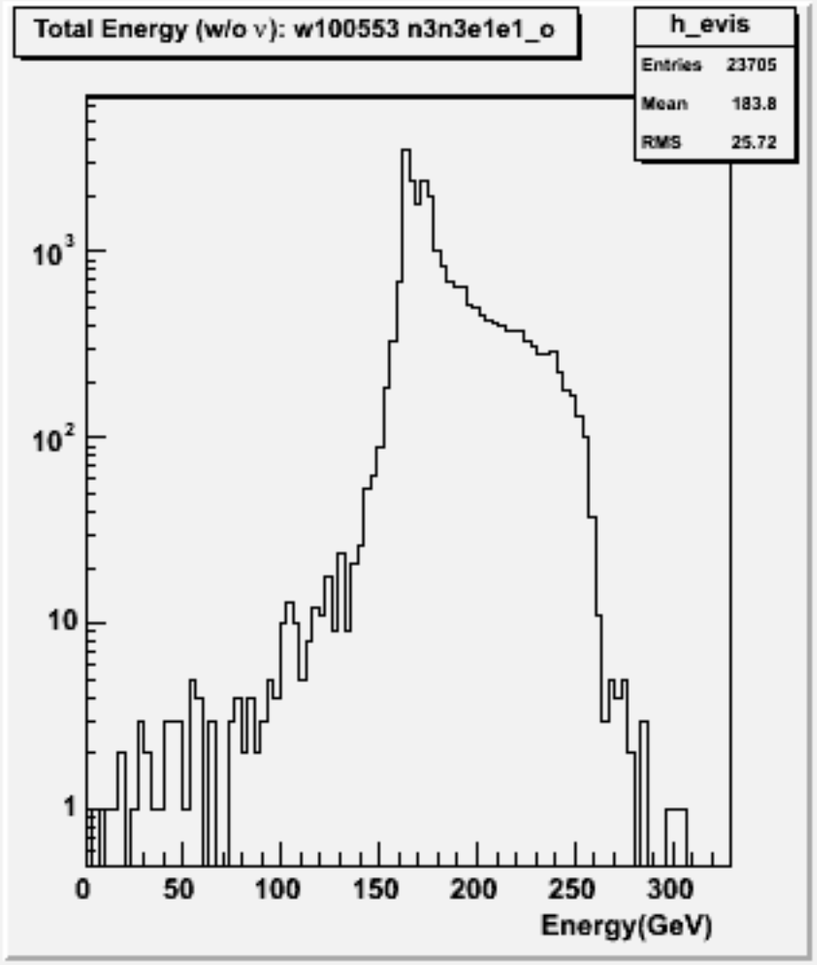

Particle cos θ : w100553 n3n3e1e1_o
h_cs
Entries 142230
Mean 0.03833
RMS 0.8388
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

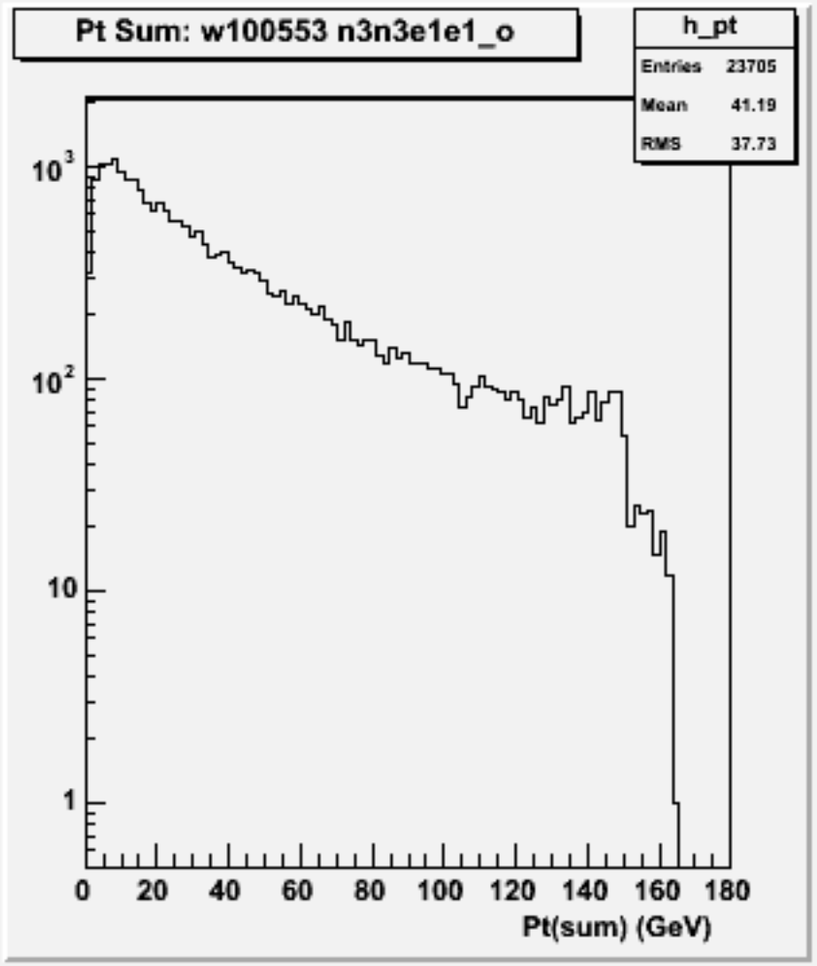

Start point R : w100553 n3n3e1e1_o
h_vr
Entries 142230
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

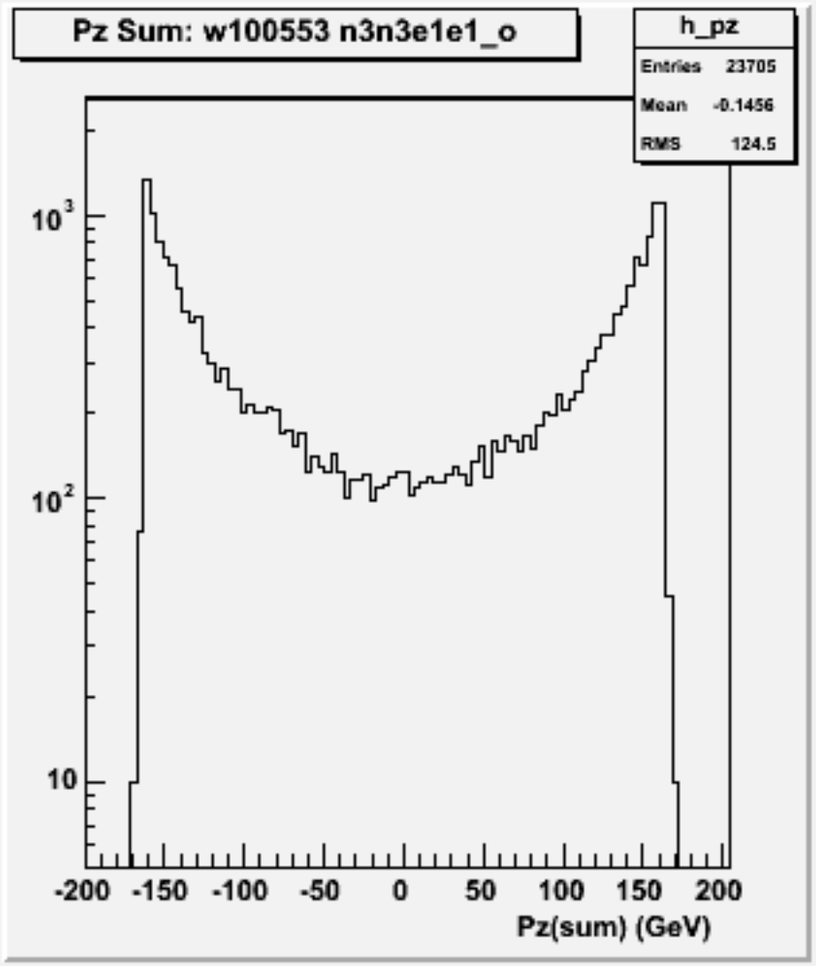

Start point Z : w100553 n3n3e1e1_o
h_vz
Entries 142230
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

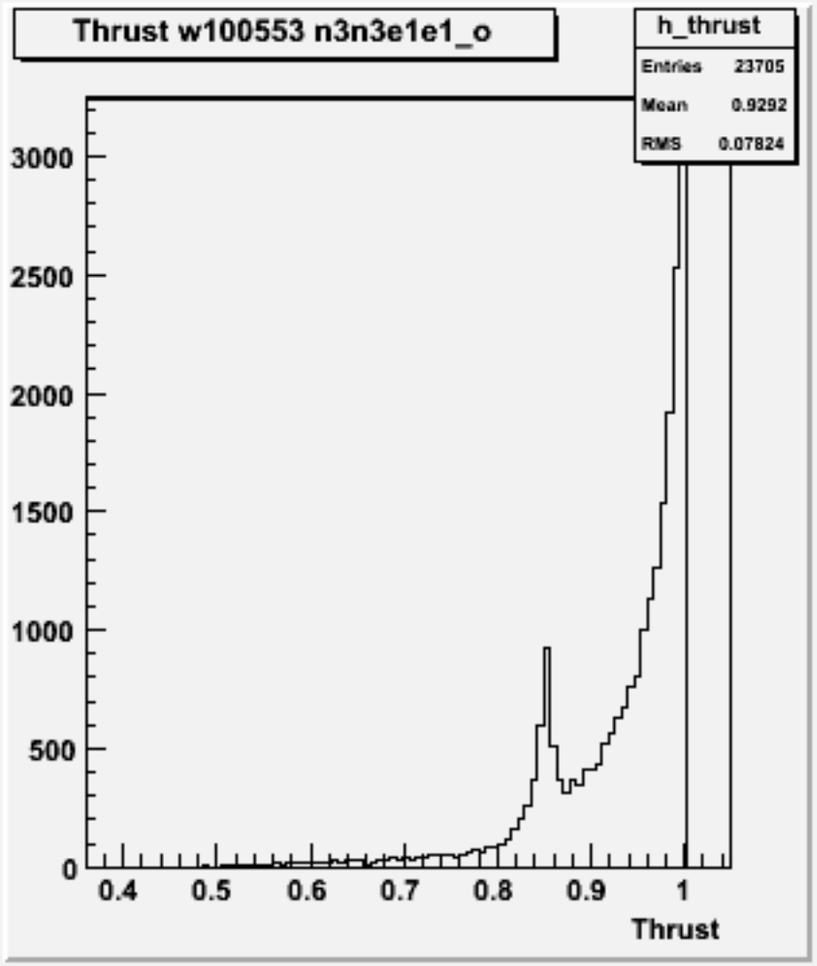

Total Energy (inc. ν): w100553 n3n3e1e1_o
h_etot
Entries 23705
Mean 347.2
RMS 6.567
Total Energy(GeV)

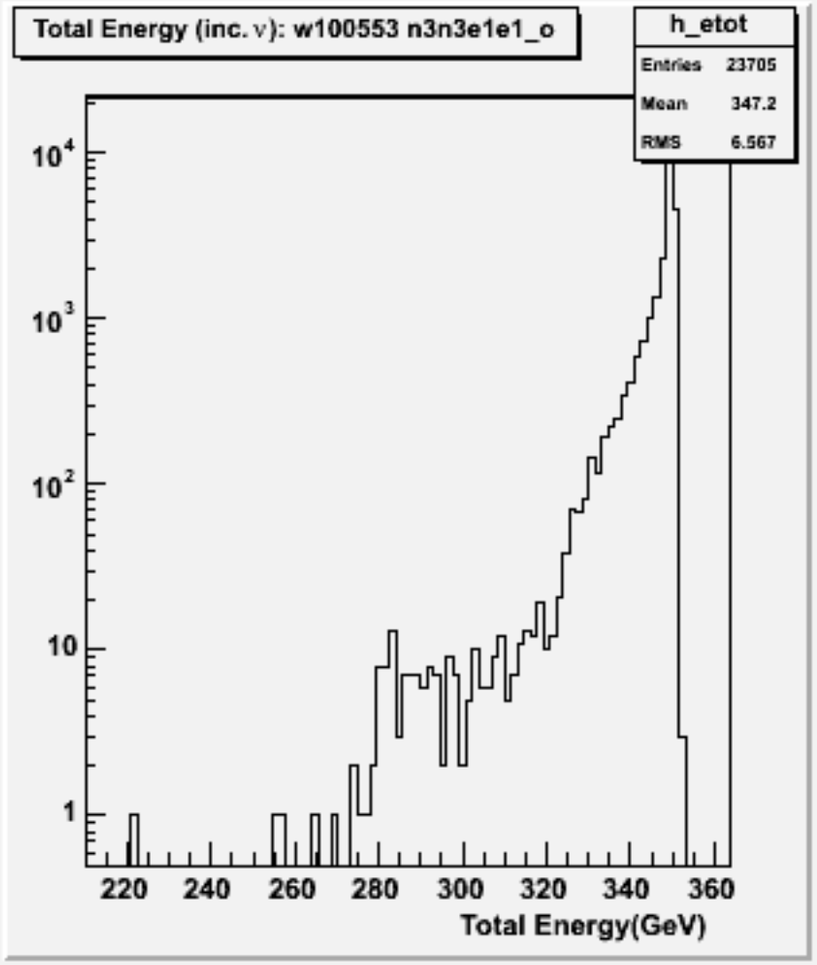

Total Energy (inc. ν): w100553 n3n3e1e1_o
h_etotc
Entries 21750
Mean 348.6
RMS 2.314
Total Energy(GeV)

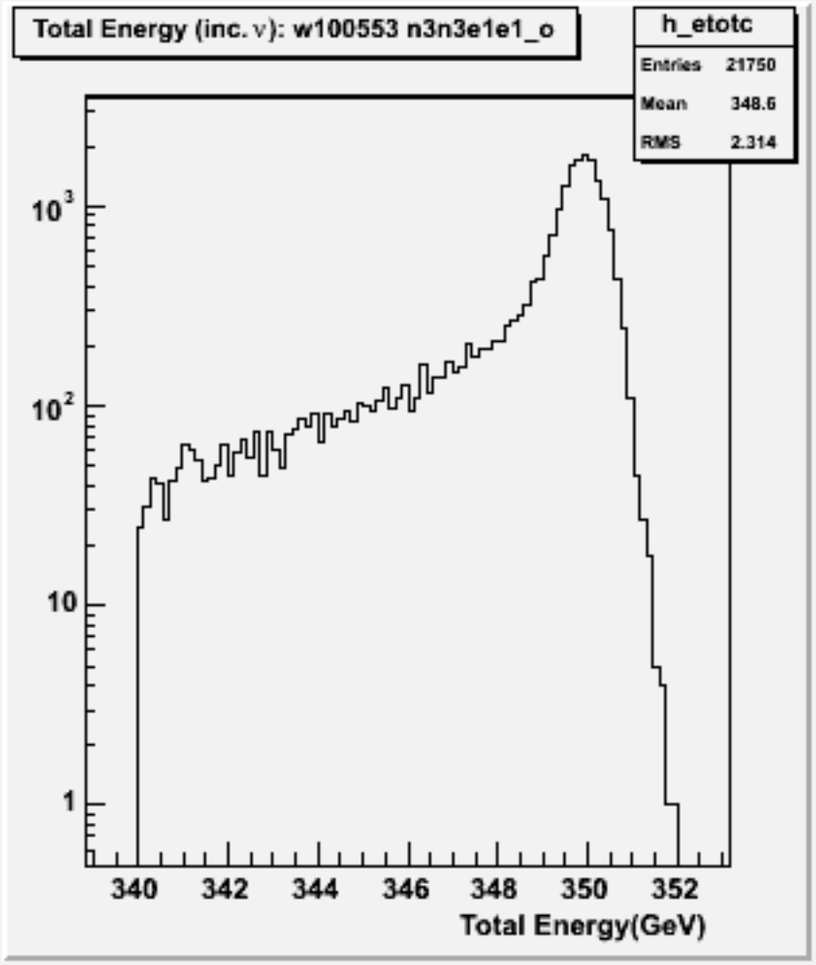

Total Energy (w/o ν): w100553 n3n3e1e1_o
h_evis
Entries 23705
Mean 183.8
RMS 25.72
Energy(GeV)

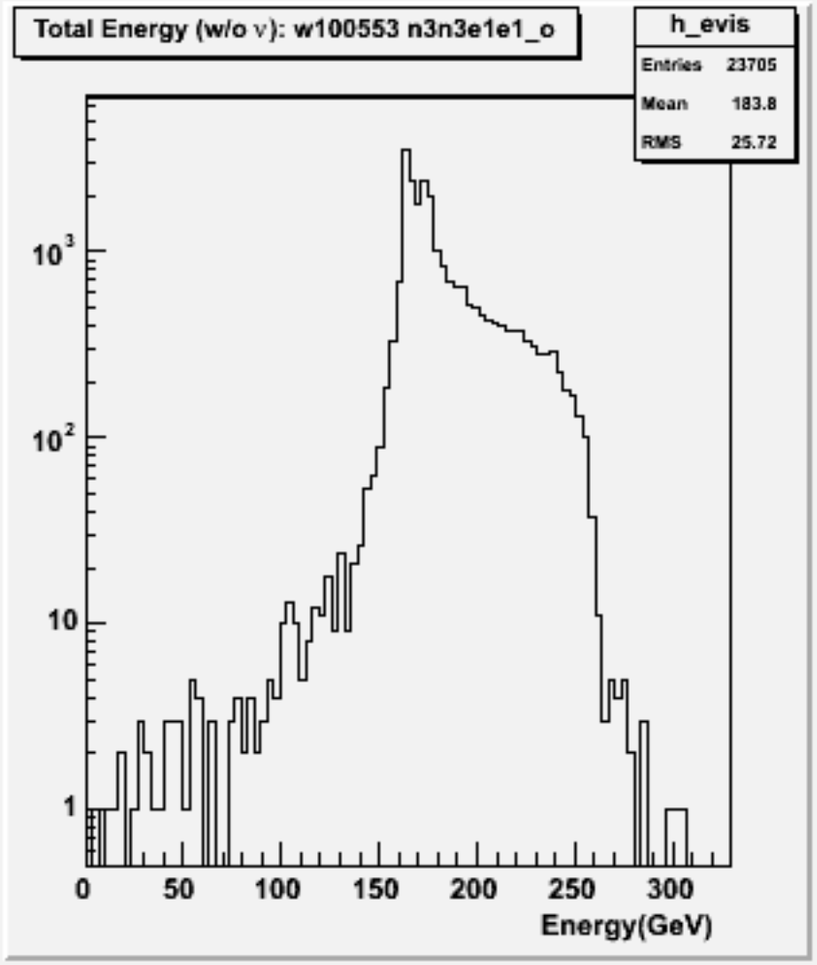

Pt Sum: w100553 n3n3e1e1_o
h_pt
Entries 23705
Mean 41.19
RMS 37.73
Pt(sum) (GeV)

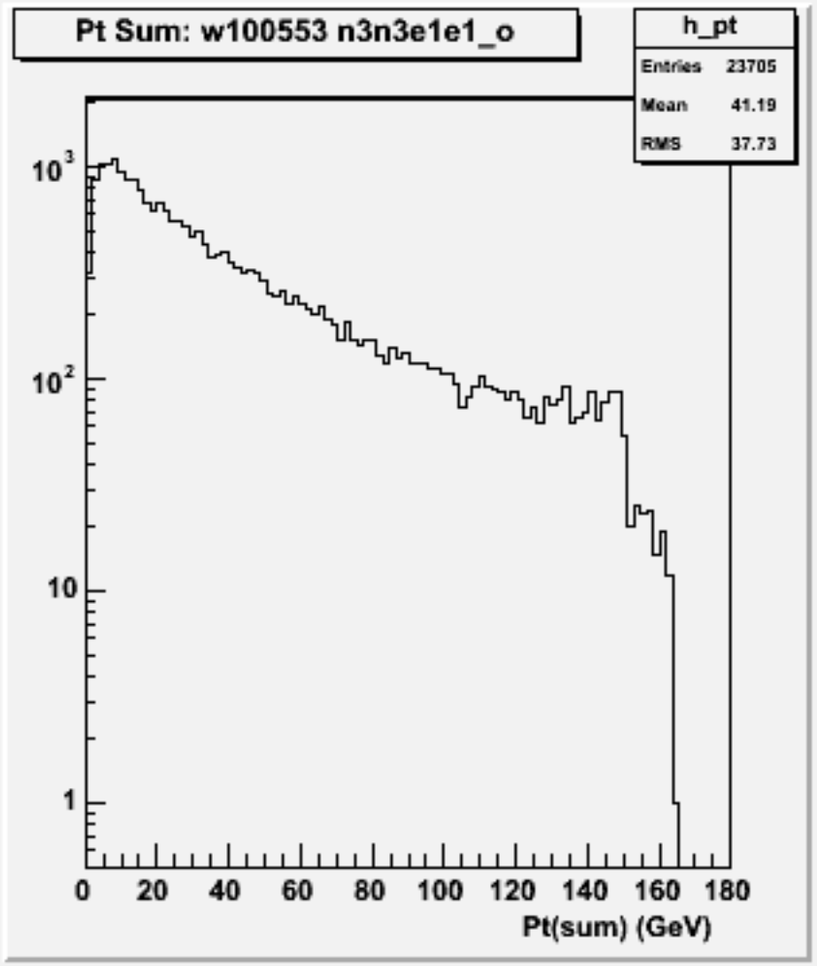

Pz Sum: w100553 n3n3e1e1_o
h_pz
Entries 23705
Mean -0.1456
RMS 124.5
Pz(sum) (GeV)

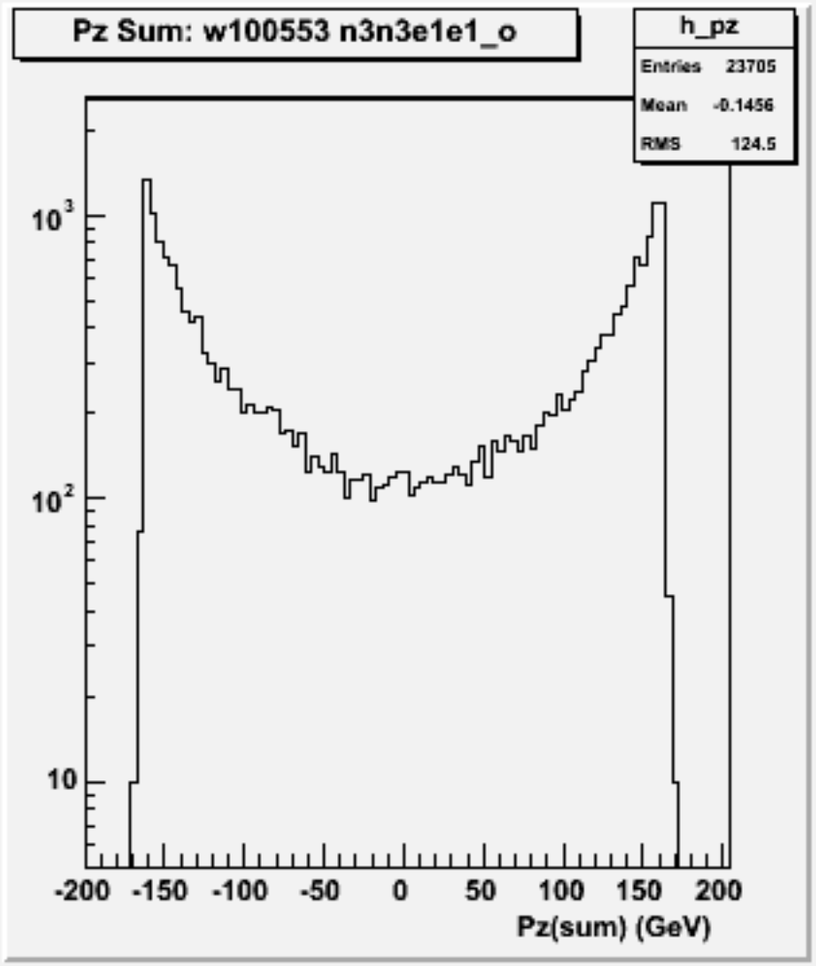

Thrust w100553 n3n3e1e1_o
h_thrust
Entries 23705
Mean 0.9292
RMS 0.07824
Thrust

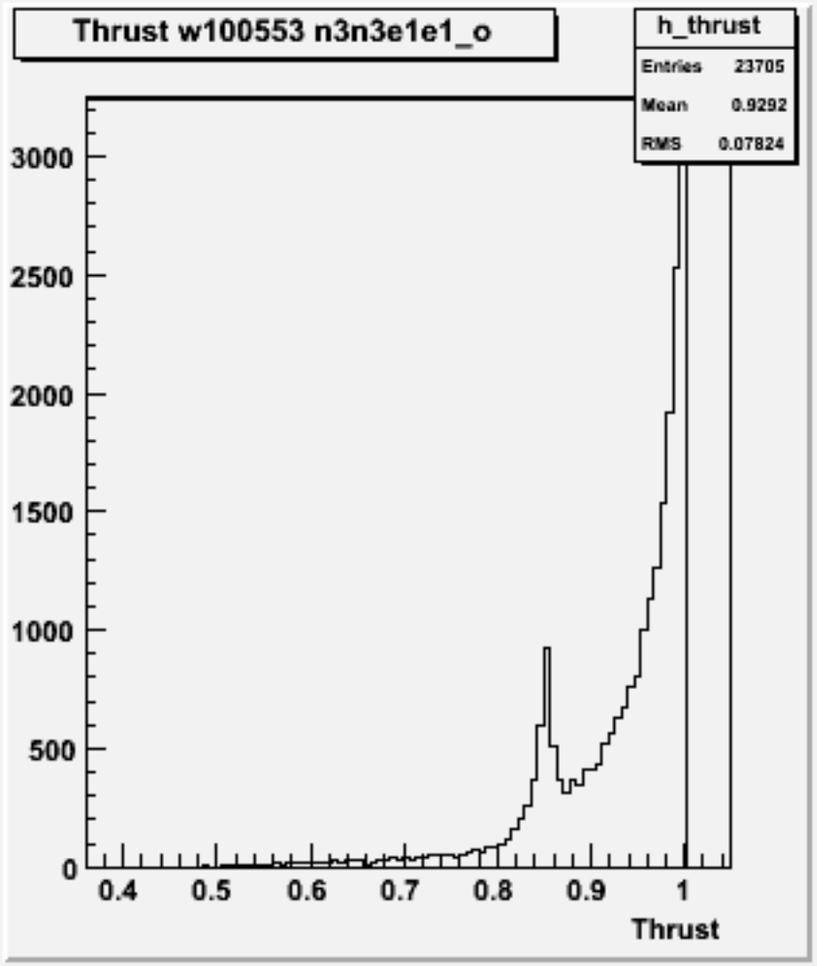

Total Energy (inc. ν): w100553 n3n3e1e1_o
h_etot
Entries 23705
Mean 347.2
RMS 6.567
Total Energy(GeV)

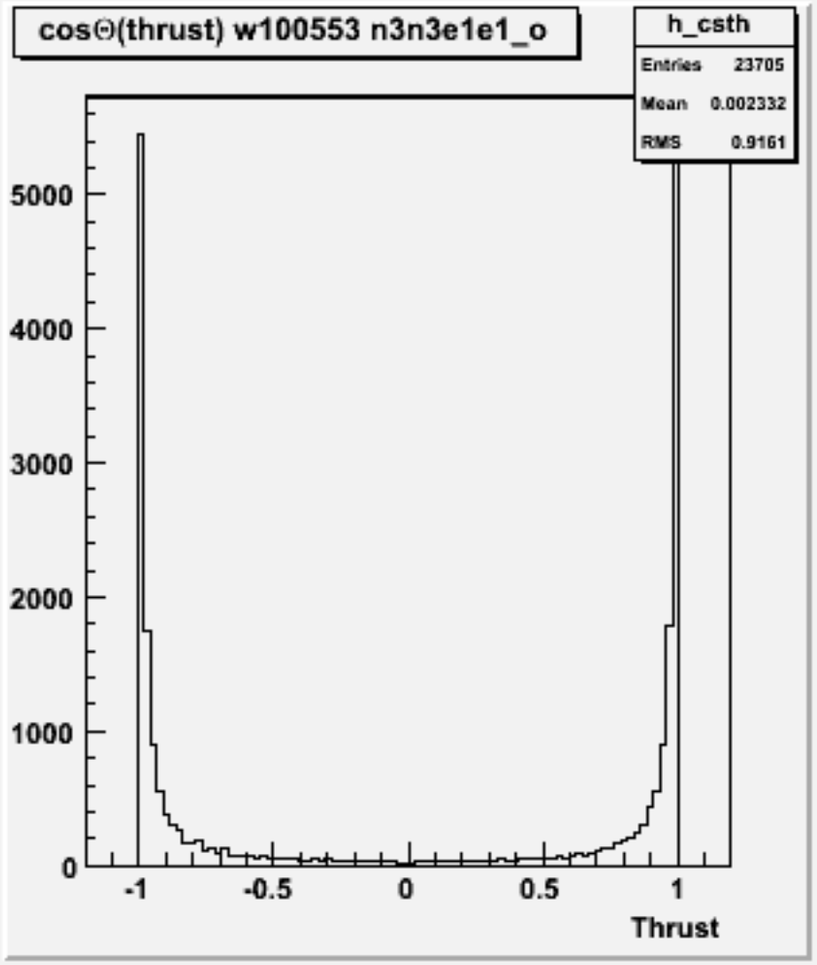

Total Energy (inc. ν): w100553 n3n3e1e1_o
h_etotc
Entries 21750
Mean 348.6
RMS 2.314
Total Energy(GeV)

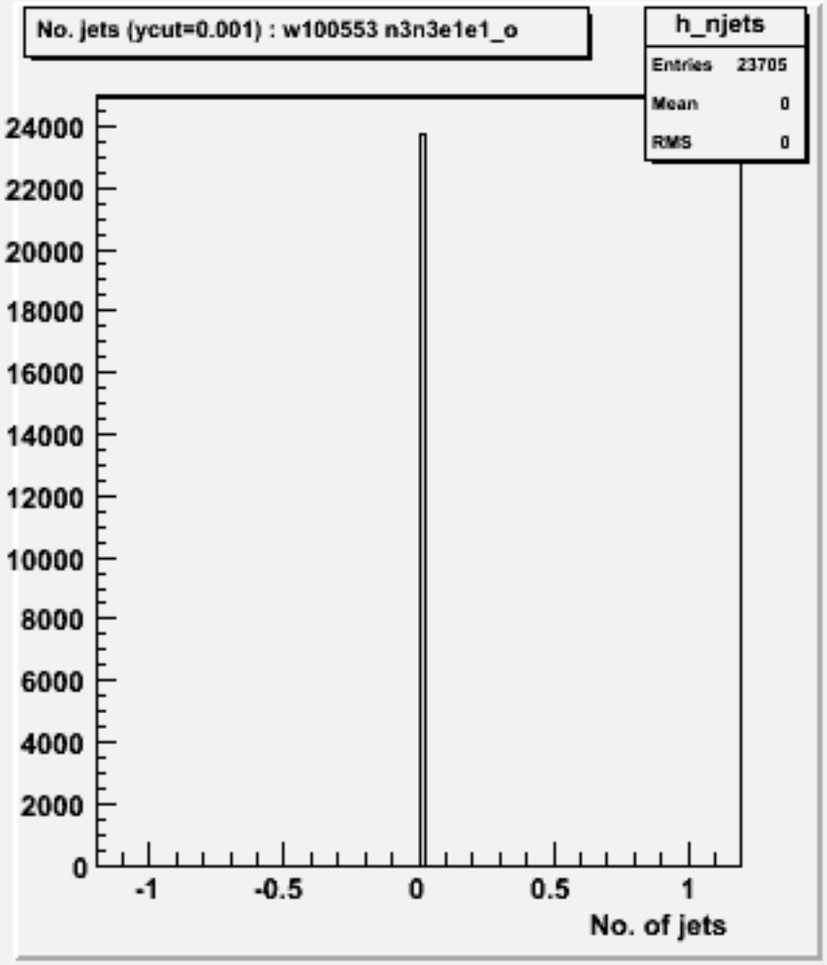

Total Energy (w/o ν): w100553 n3n3e1e1_o
h_evis
Entries 23705
Mean 183.8
RMS 25.72
Energy(GeV)


Pt Sum: w100553 n3n3e1e1_o
h_pt
Entries 23705
Mean 41.19
RMS 37.73
Pt(sum) (GeV)


Pz Sum: w100553 n3n3e1e1_o
h_pz
Entries 23705
Mean -0.1456
RMS 124.5
Pz(sum) (GeV)


Thrust w100553 n3n3e1e1_o
h_thrust
Entries 23705
Mean 0.9292
RMS 0.07824
Thrust

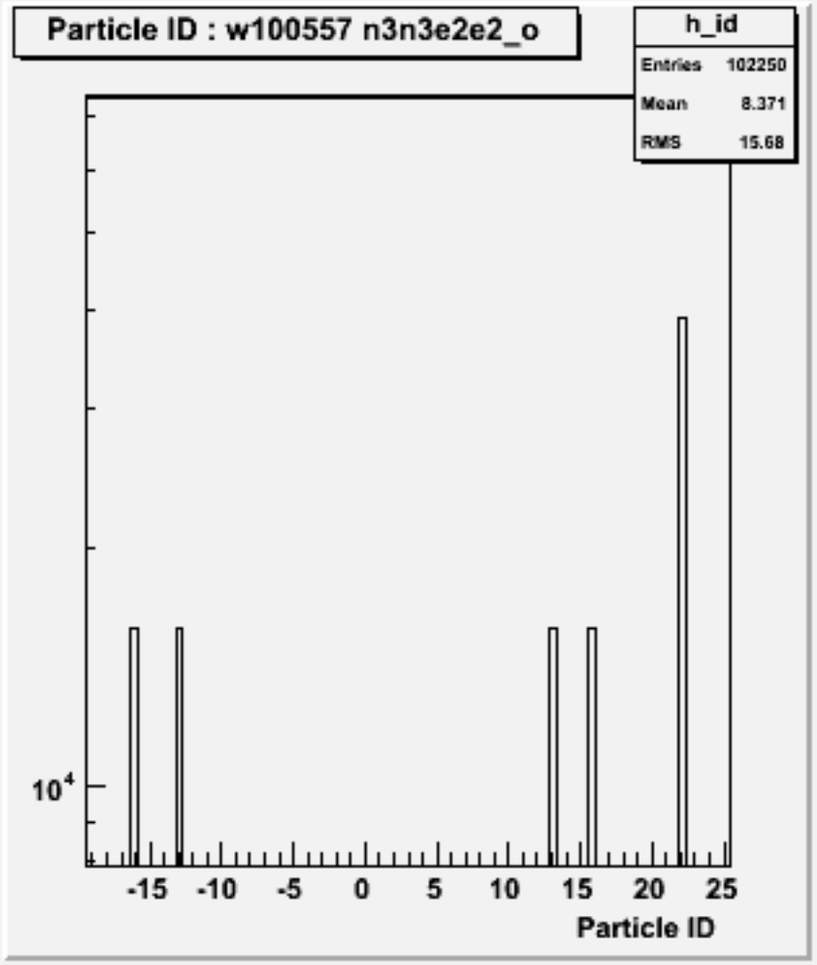


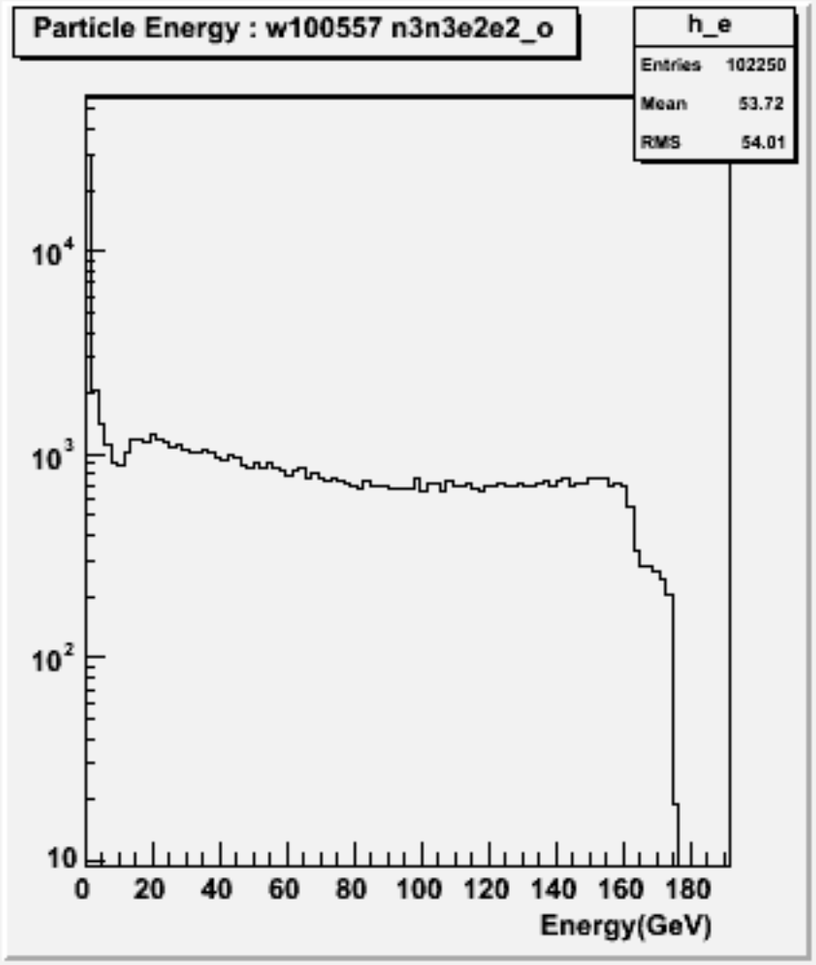


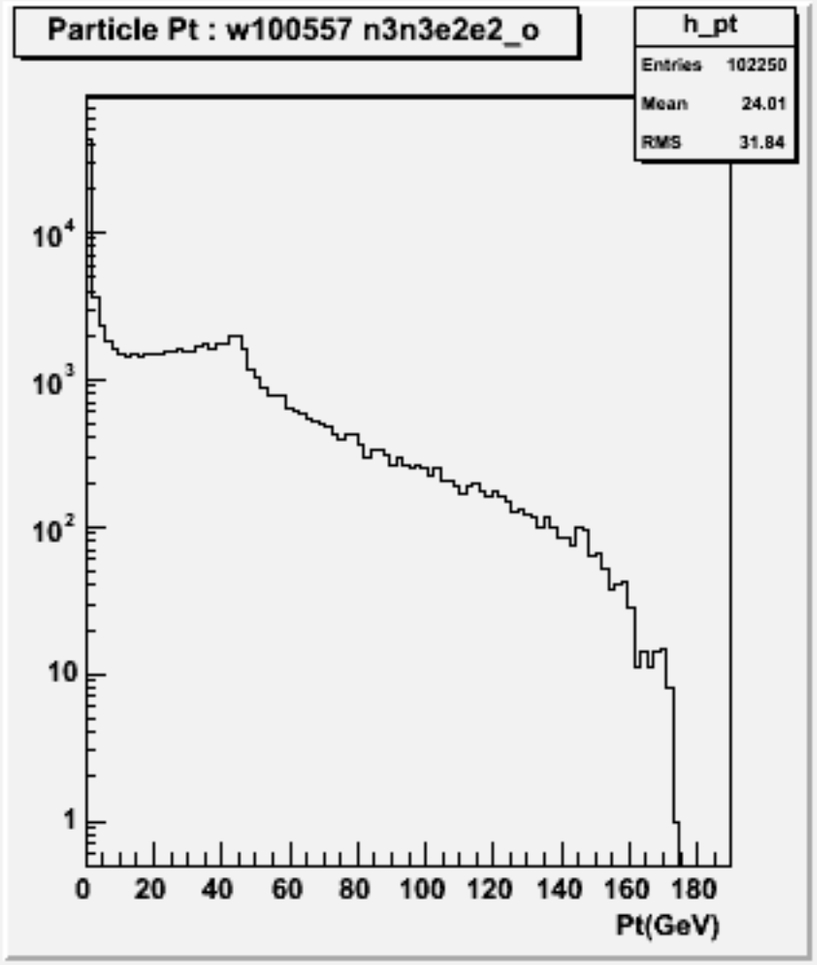
w100553 n3n3e1e1_o

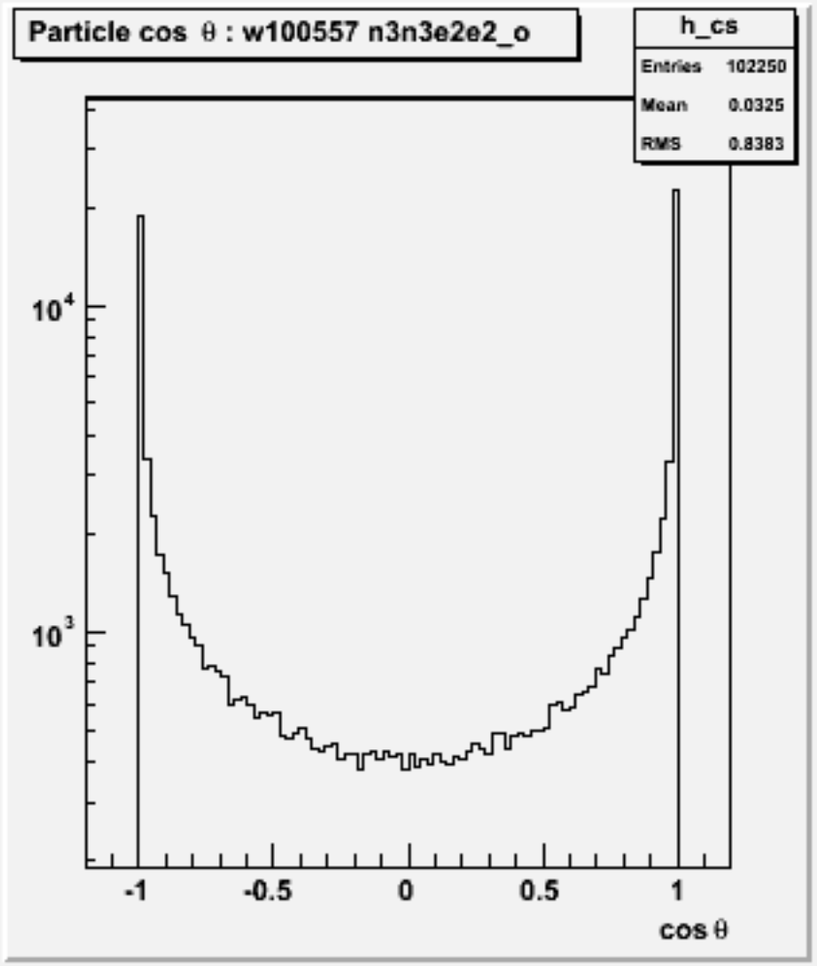
: There are no 2-jets

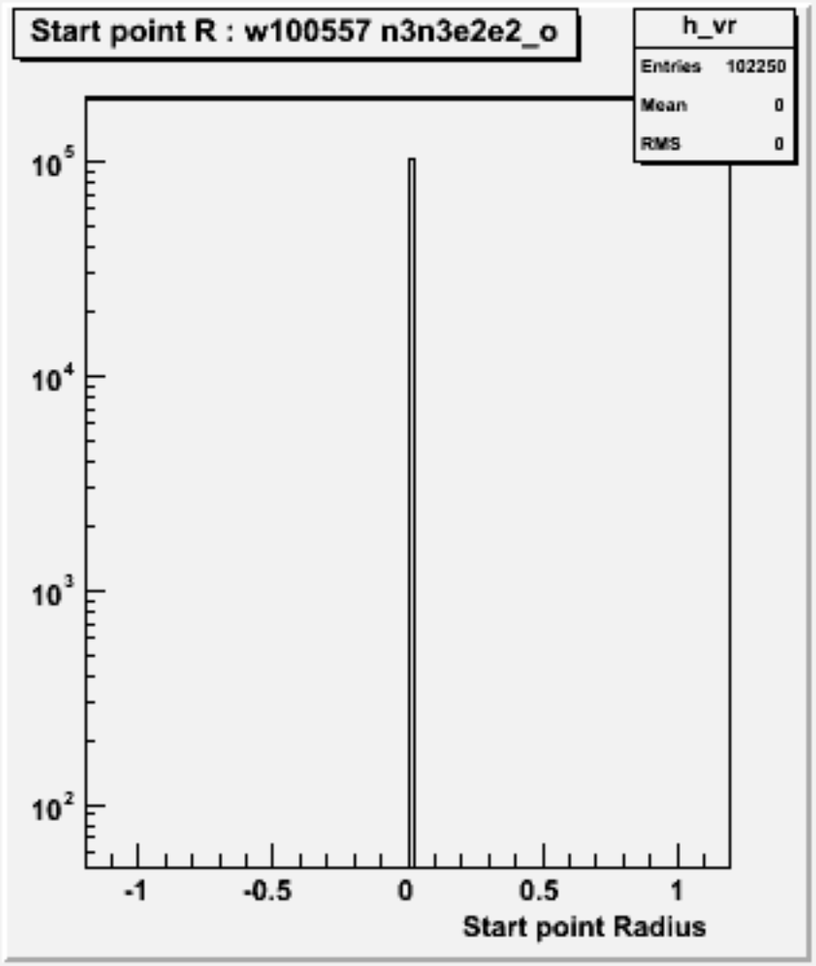
w100553 n3n3e1e1_o : There are no 4-jets

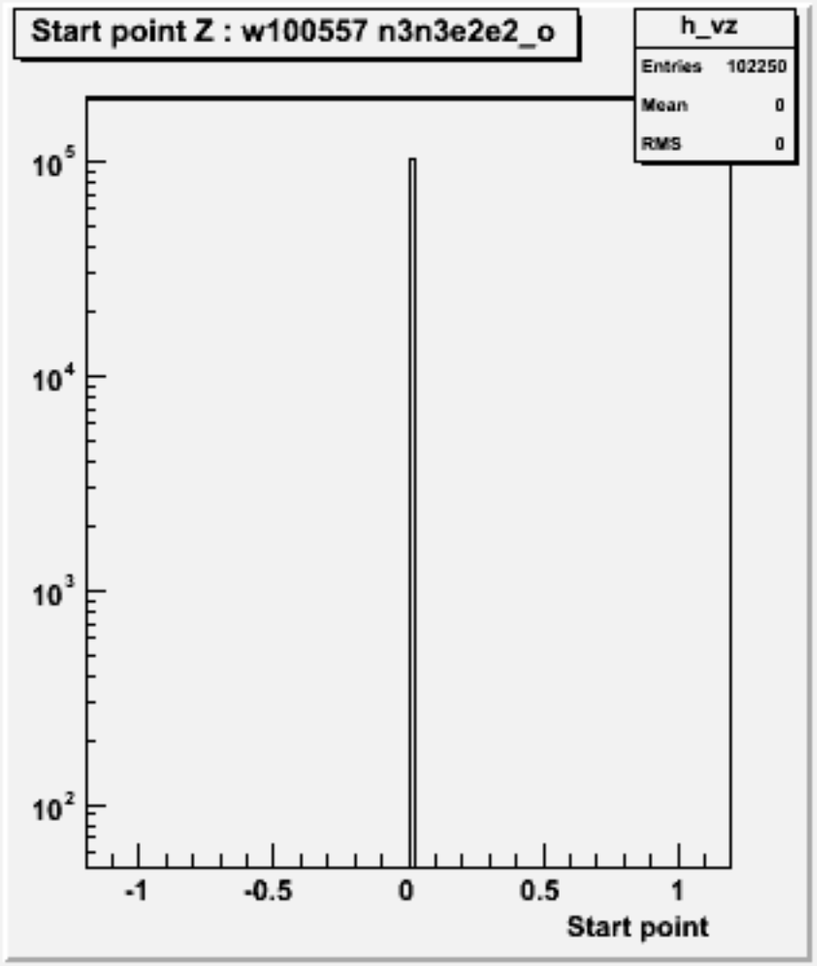

Particle ID : w100557 n3n3e2e2_o
h_id
Entries 102250
Mean 8.371
RMS 15.68
10^4
-15 -10 -5 0 5 10 15 20 25
Particle ID

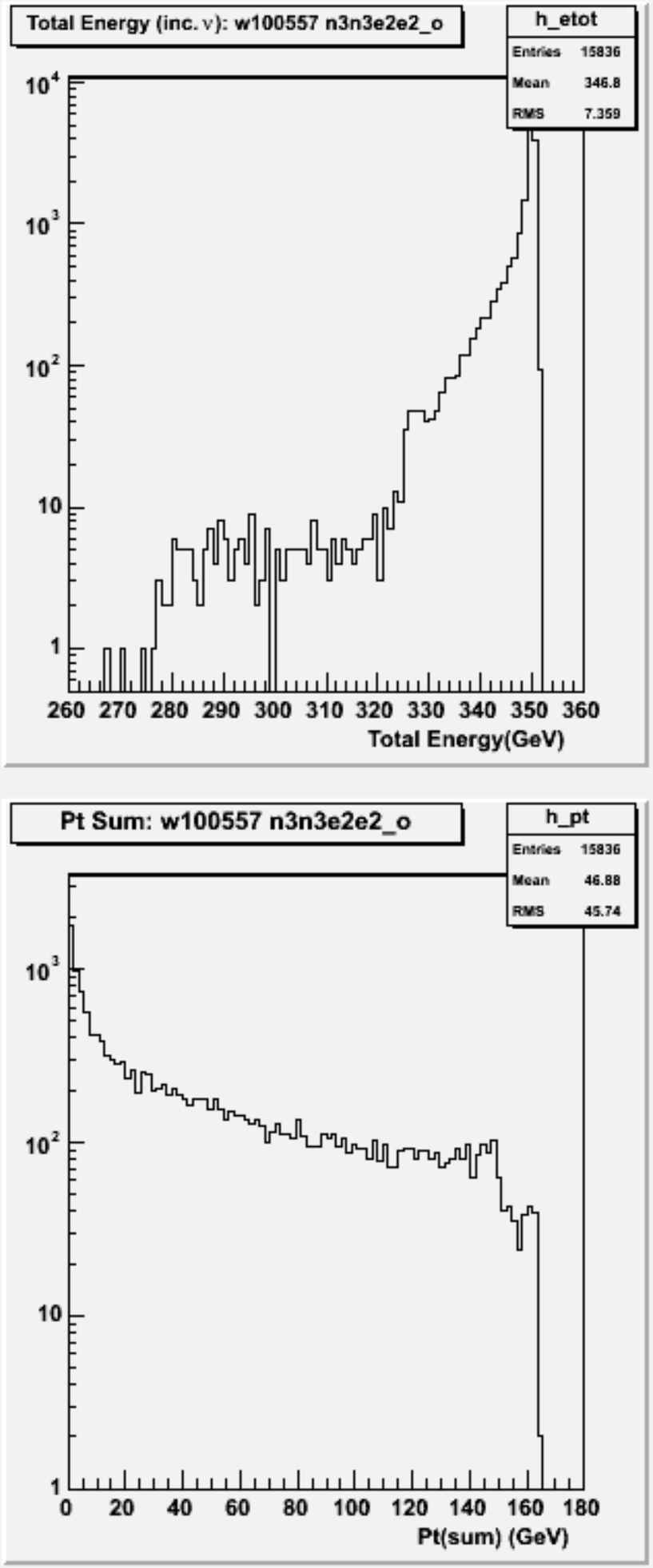

Particle Energy : w100557 n3n3e2e2_o
h_e
Entries 102250
Mean 53.72
RMS 54.01
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

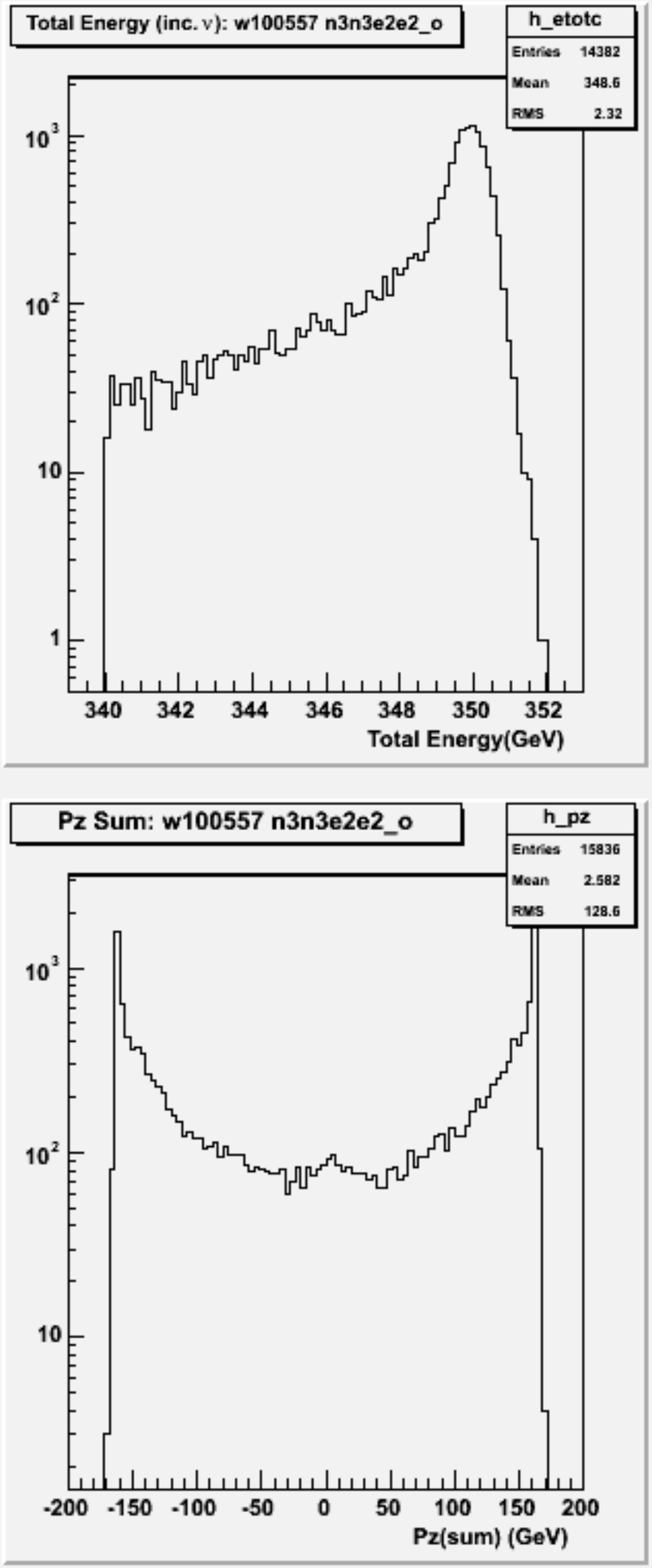

Particle Pt : w100557 n3n3e2e2_o
h_pt
Entries 102250
Mean 24.01
RMS 31.84
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

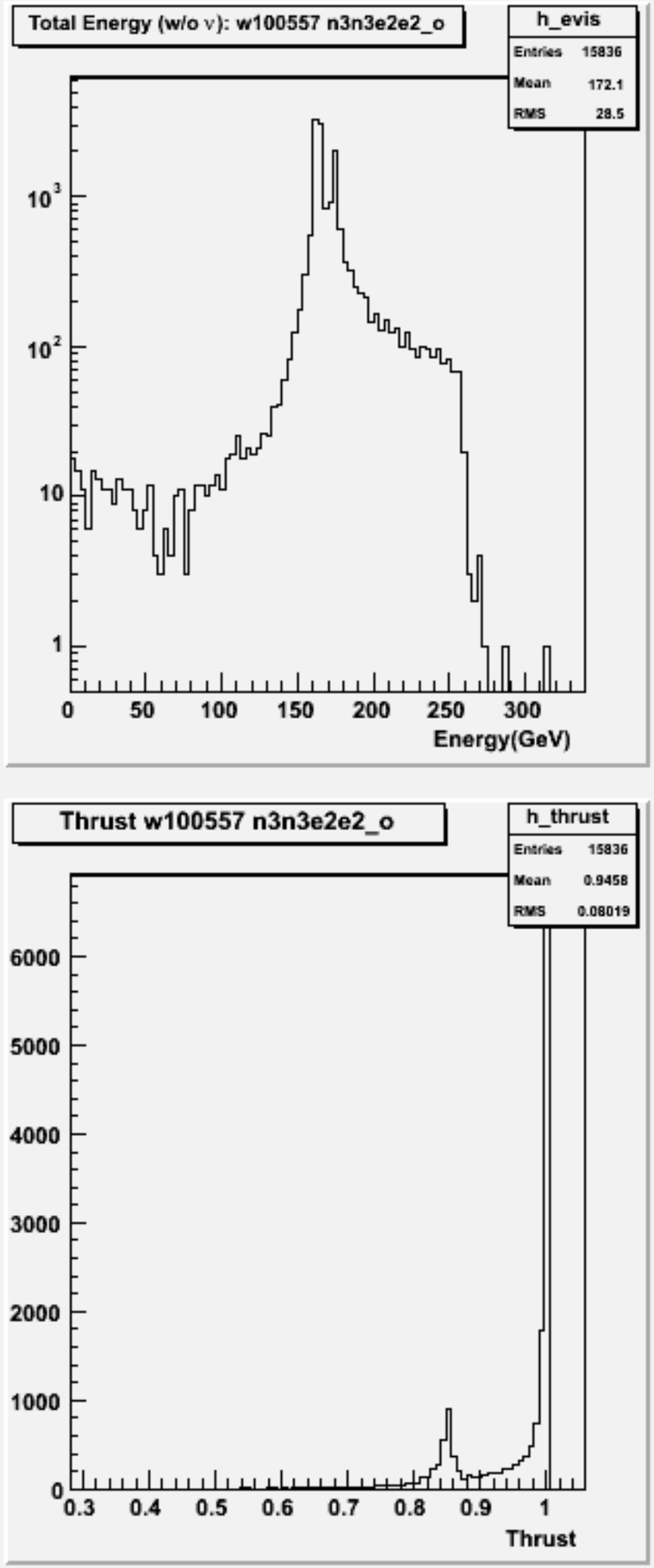

Particle cos θ : w100557 n3n3e2e2_o
h_cs
Entries 102250
Mean 0.0325
RMS 0.8383
10^4
10^3
-1 -0.5 0 0.5 1
cos θ


Start point R : w100557 n3n3e2e2_o
h_vr
Entries 102250
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius


Start point Z : w100557 n3n3e2e2_o
h_vz
Entries 102250
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point


Total Energy (inc. ν): w100557 n3n3e2e2_o
h_etot
Entries 15836
Mean 346.8
RMS 7.359
Total Energy(GeV)

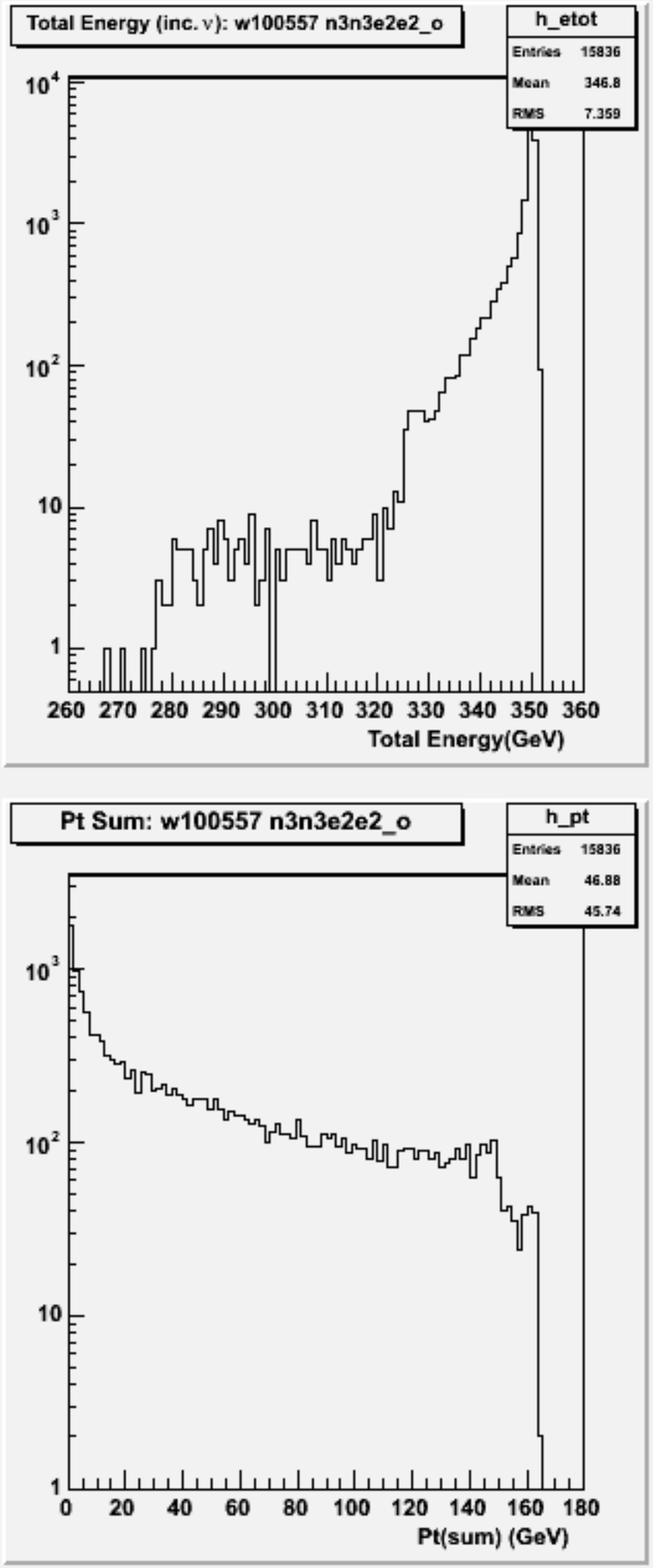

Total Energy (inc. ν): w100557 n3n3e2e2_o
h_etotc
Entries 14382
Mean 348.6
RMS 2.32
Total Energy(GeV)

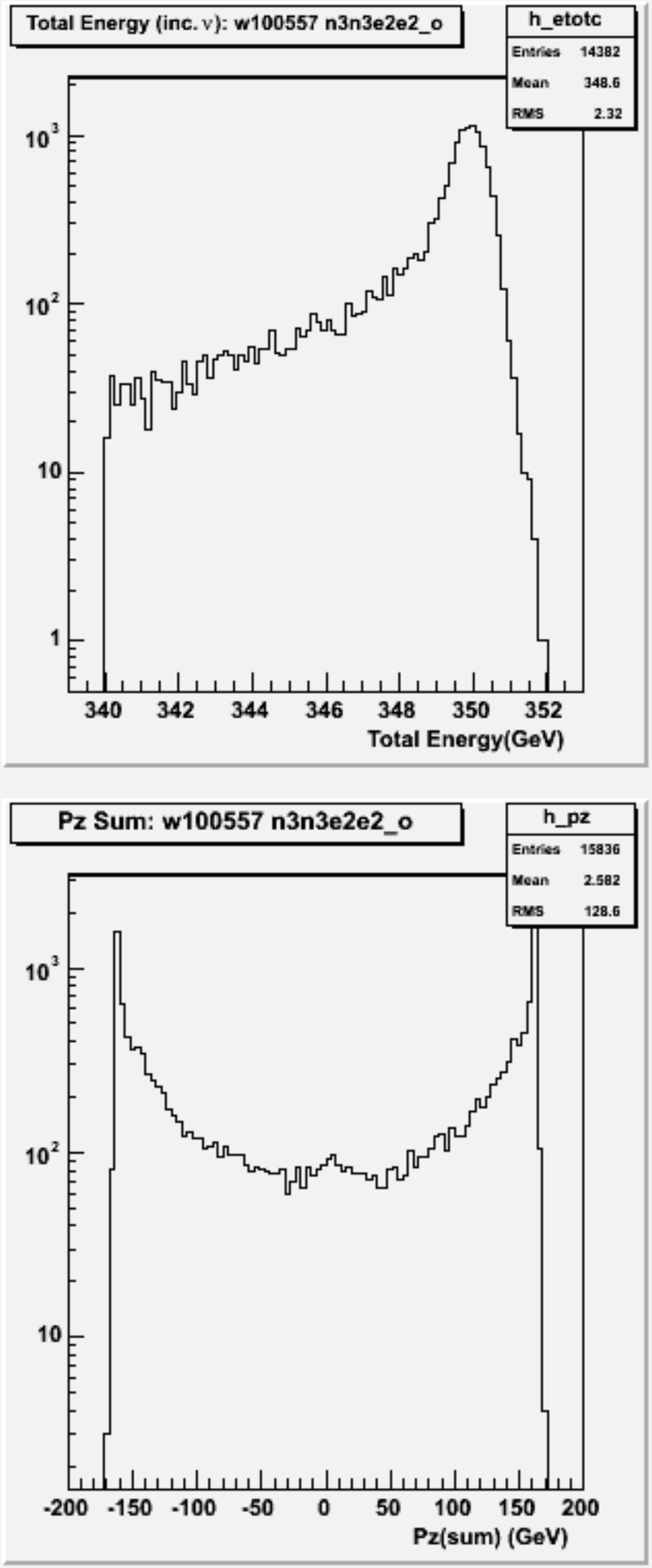

Total Energy (w/o ν): w100557 n3n3e2e2_o
h_evis
Entries 15836
Mean 172.1
RMS 28.5
Energy(GeV)

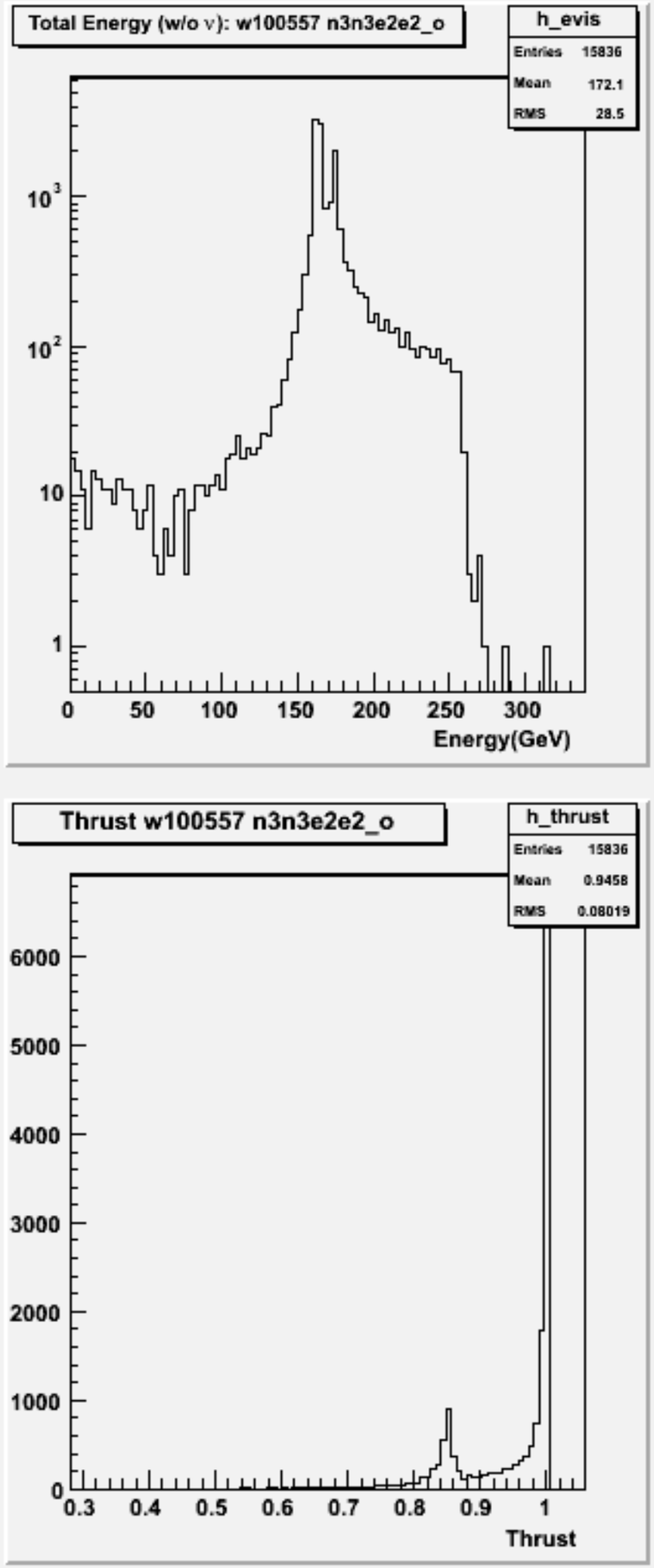
Pt Sum: w100557 n3n3e2e2_o
h_pt
Entries 15836
Mean 46.88
RMS 45.74
Pt(sum) (GeV)

Pz Sum: w100557 n3n3e2e2_o
h_pz
Entries 15836
Mean 2.582
RMS 128.6
Pz(sum) (GeV)

Thrust w100557 n3n3e2e2_o
h_thrust
Entries 15836
Mean 0.9458
RMS 0.08019
Thrust


Total Energy (inc. ν): w100557 n3n3e2e2_o
h_etot
Entries 15836
Mean 346.8
RMS 7.359
Total Energy(GeV)

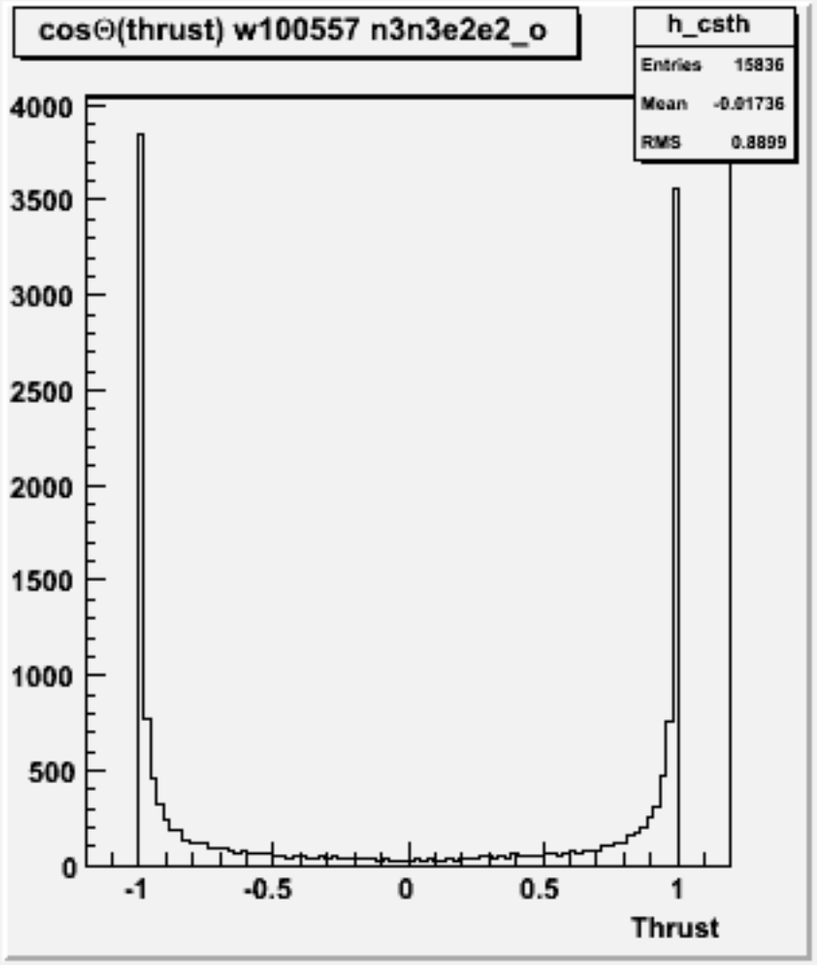

Total Energy (inc. ν): w100557 n3n3e2e2_o
h_etotc
Entries 14382
Mean 348.6
RMS 2.32
Total Energy(GeV)

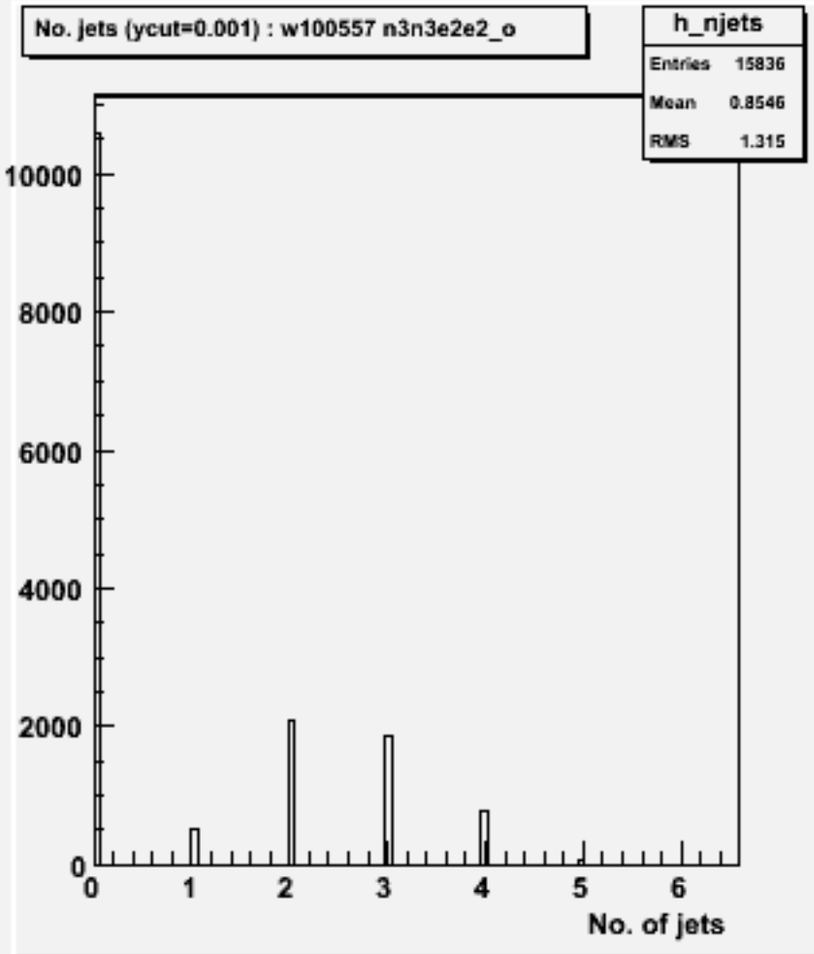

Total Energy (w/o ν): w100557 n3n3e2e2_o
h_evis
Entries 15836
Mean 172.1
RMS 28.5
Energy(GeV)

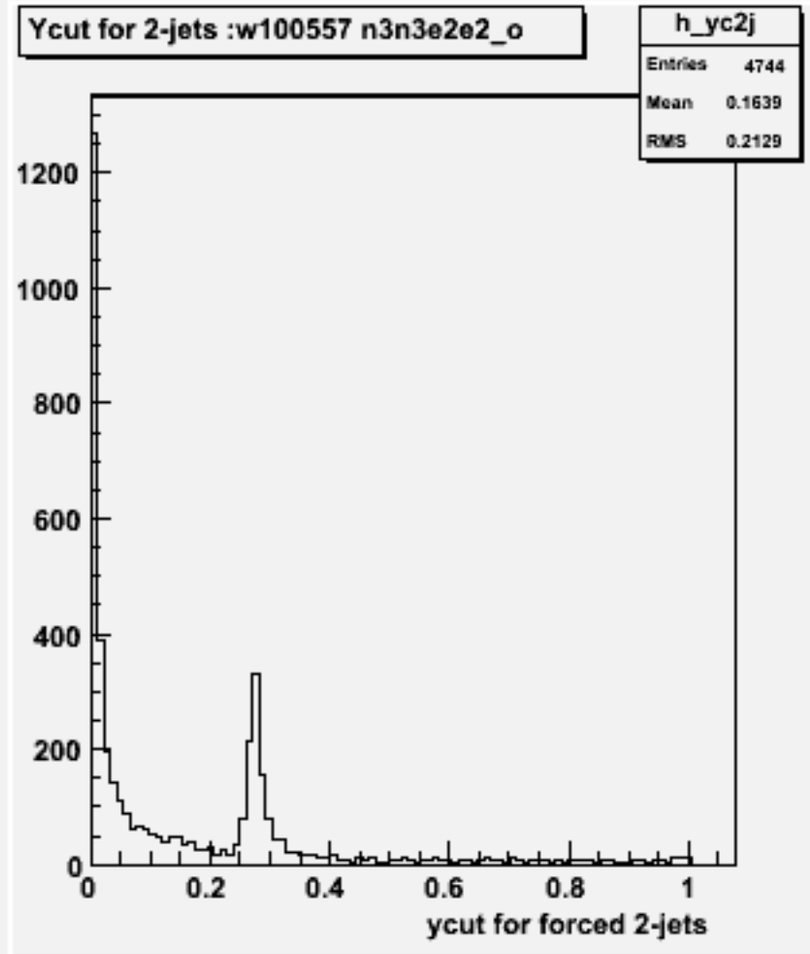
Pt Sum: w100557 n3n3e2e2_o
h_pt
Entries 15836
Mean 46.88
RMS 45.74
Pt(sum) (GeV)

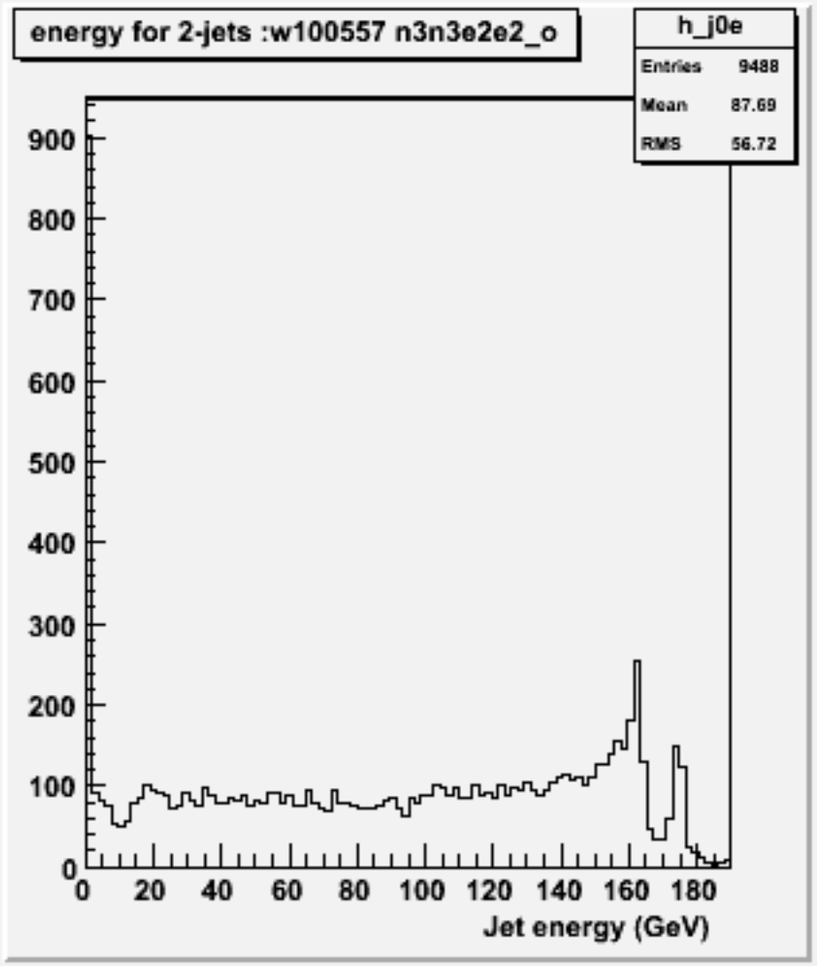
Pz Sum: w100557 n3n3e2e2_o
h_pz
Entries 15836
Mean 2.582
RMS 128.6
Pz(sum) (GeV)

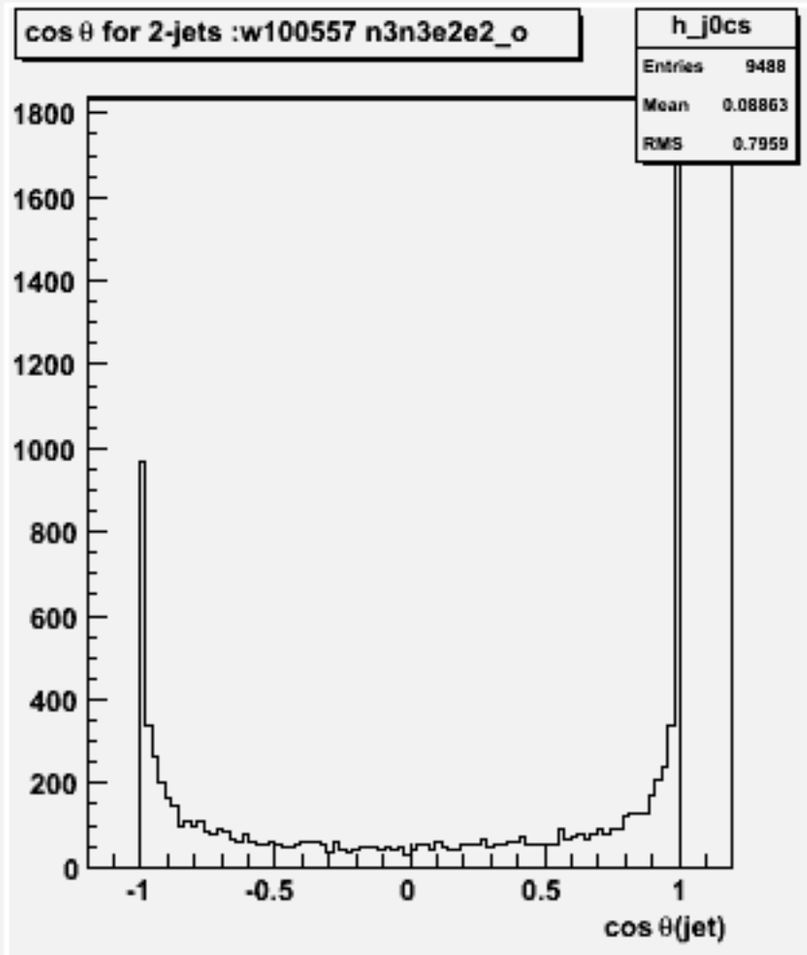
Thrust w100557 n3n3e2e2_o
h_thrust
Entries 15836
Mean 0.9458
RMS 0.08019
Thrust

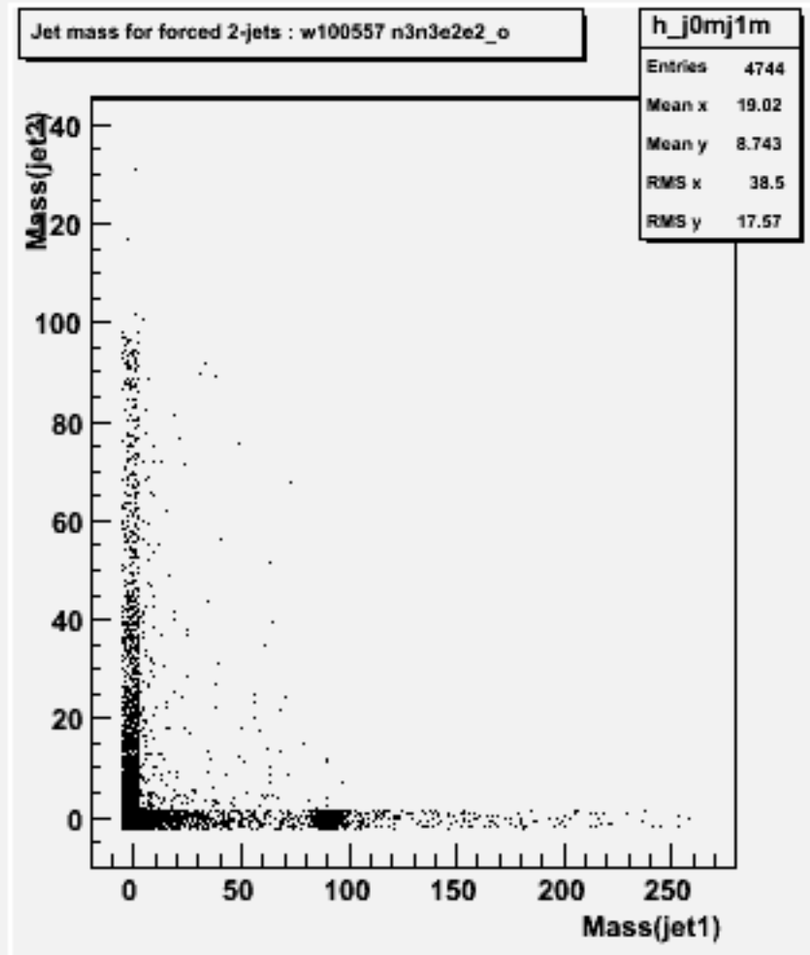

cosΘ(thrust) w100557 n3n3e2e2_o
h_csth
Entries 15836
Mean -0.01736
RMS 0.8899
Thrust

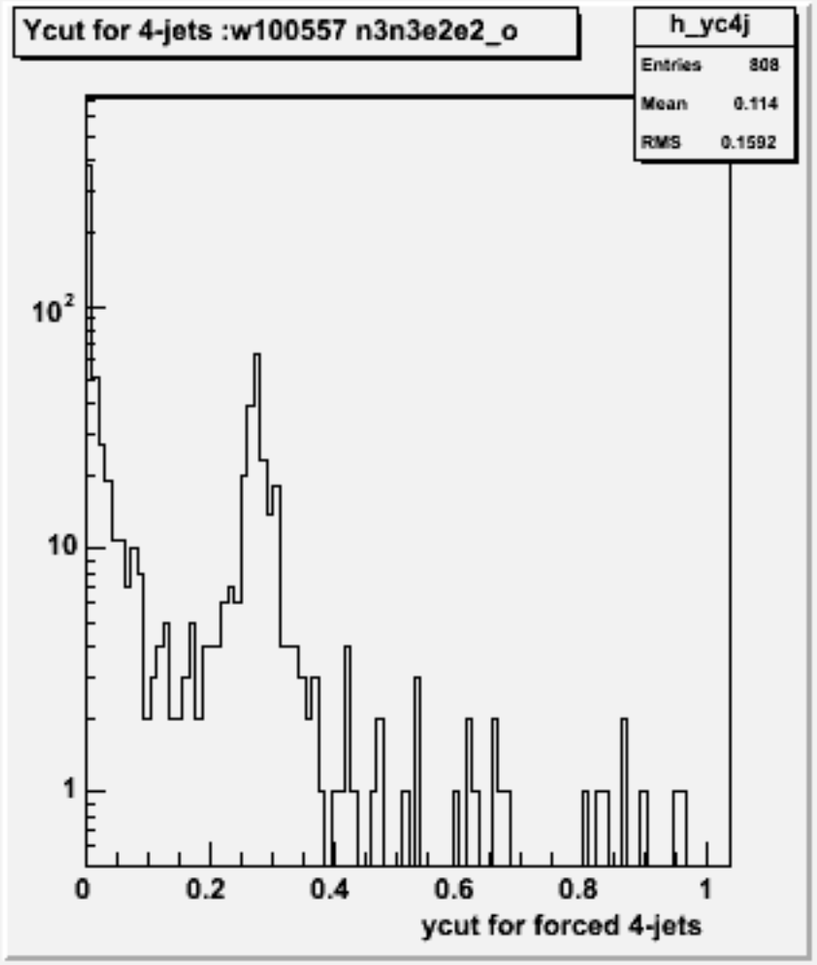

No. jets (ycut=0.001) : w100557 n3n3e2e2_o
h_njets
Entries 15836
Mean 0.8546
RMS 1.315
No. of jets

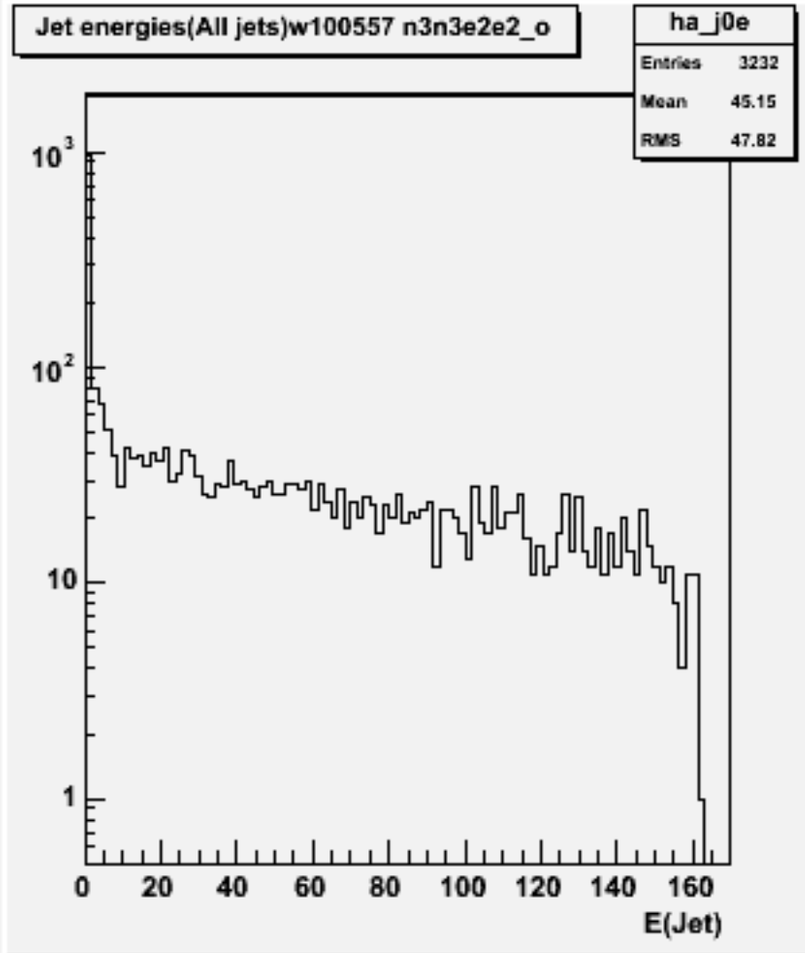

Ycut for 2-jets :w100557 n3n3e2e2_o
h_yc2j
Entries 4744
Mean 0.1639
RMS 0.2129
ycut for forced 2-jets

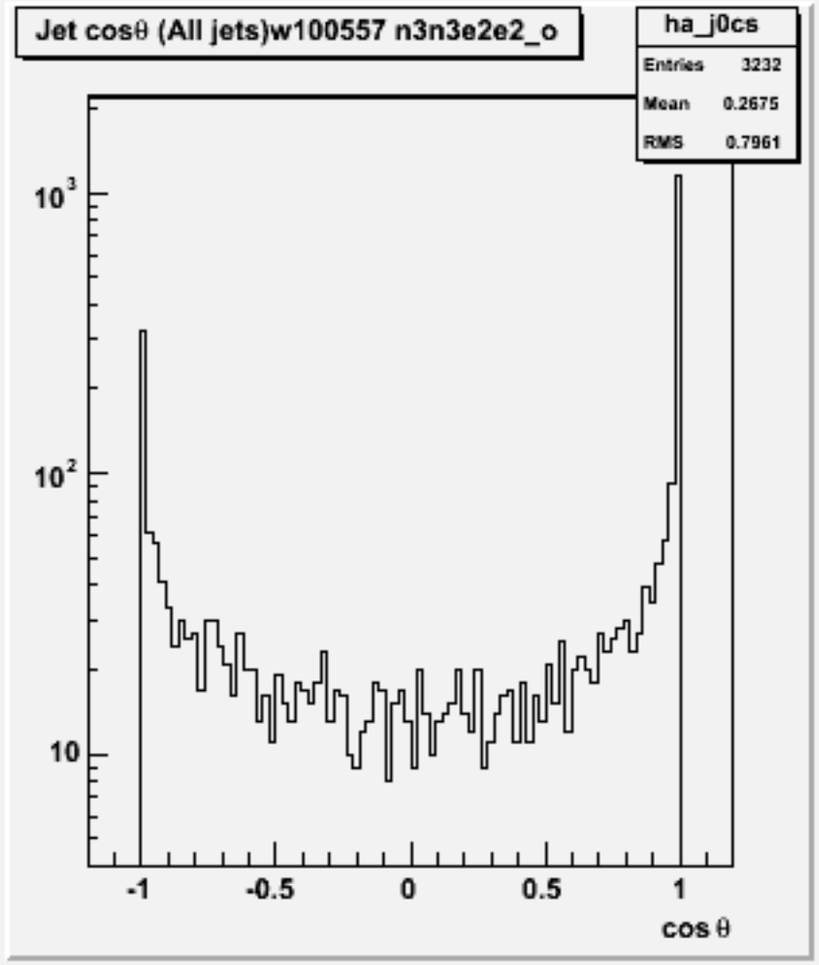

energy for 2-jets :w100557 n3n3e2e2_o
h_j0e
Entries 9488
Mean 87.69
RMS 56.72
Jet energy (GeV)

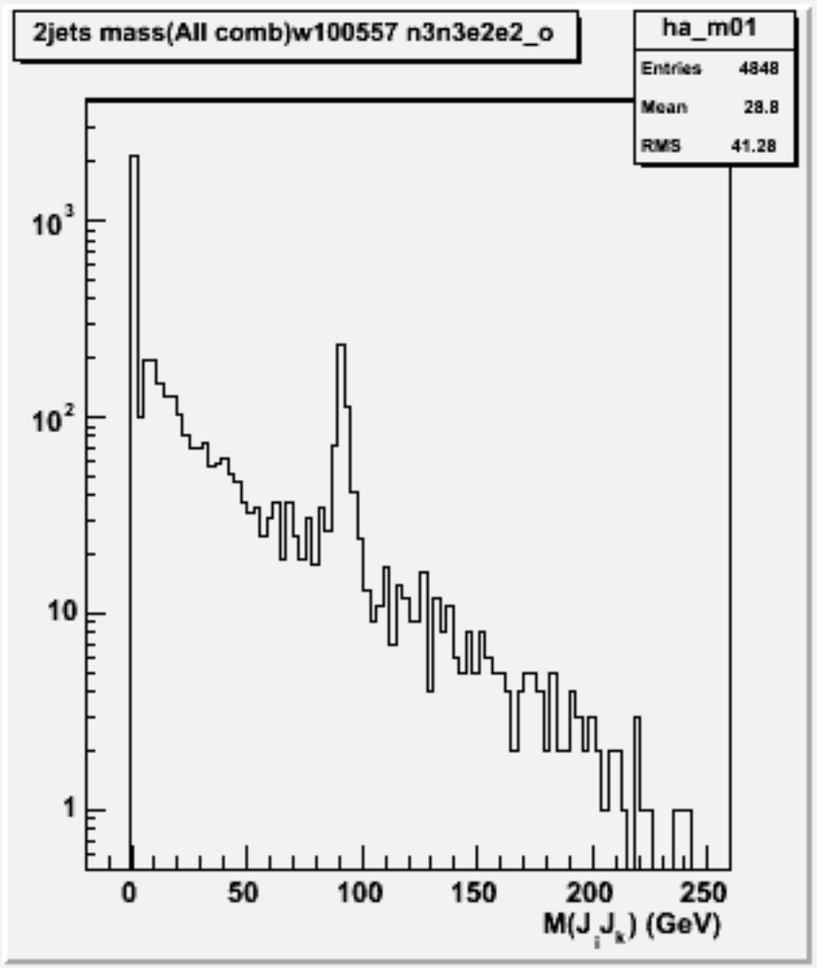

cos θ for 2-jets :w100557 n3n3e2e2_o
h_j0cs
Entries 9488
Mean 0.08863
RMS 0.7959
cos θ(jet)

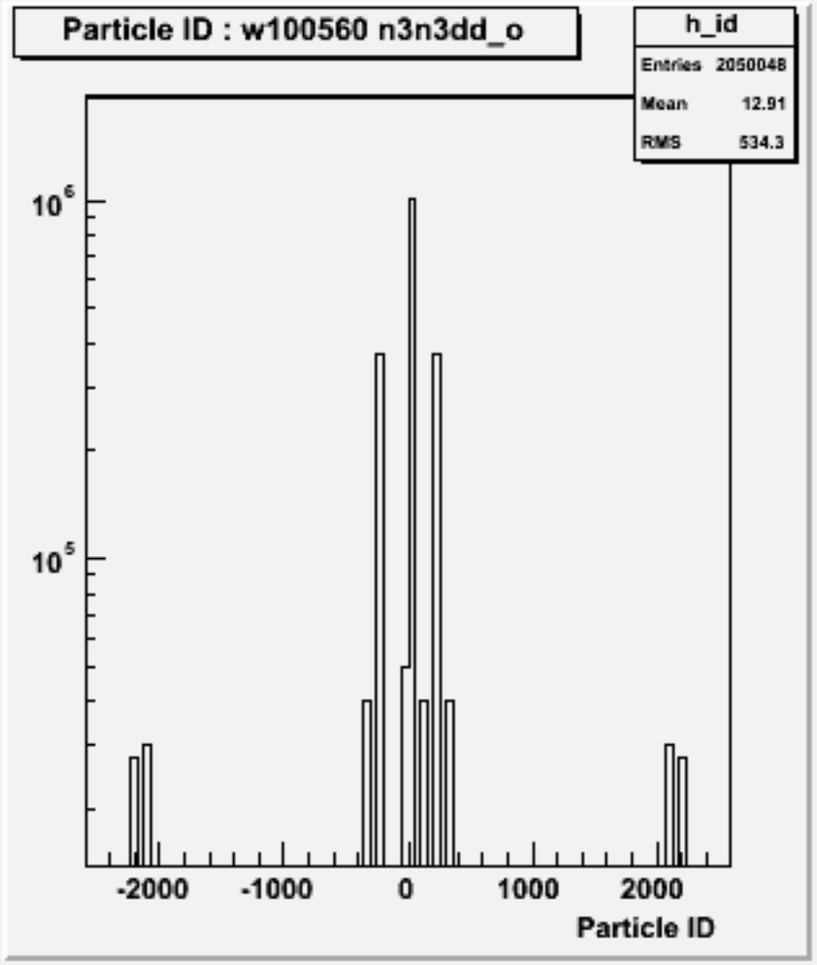

Jet mass for forced 2-jets : w100557 n3n3e2e2_o
h_j0mj1m
Entries 4744
Mean x 19.02
Mean y 8.743
RMS x 38.5
RMS y 17.57
Mass(jet2)
Mass(jet1)

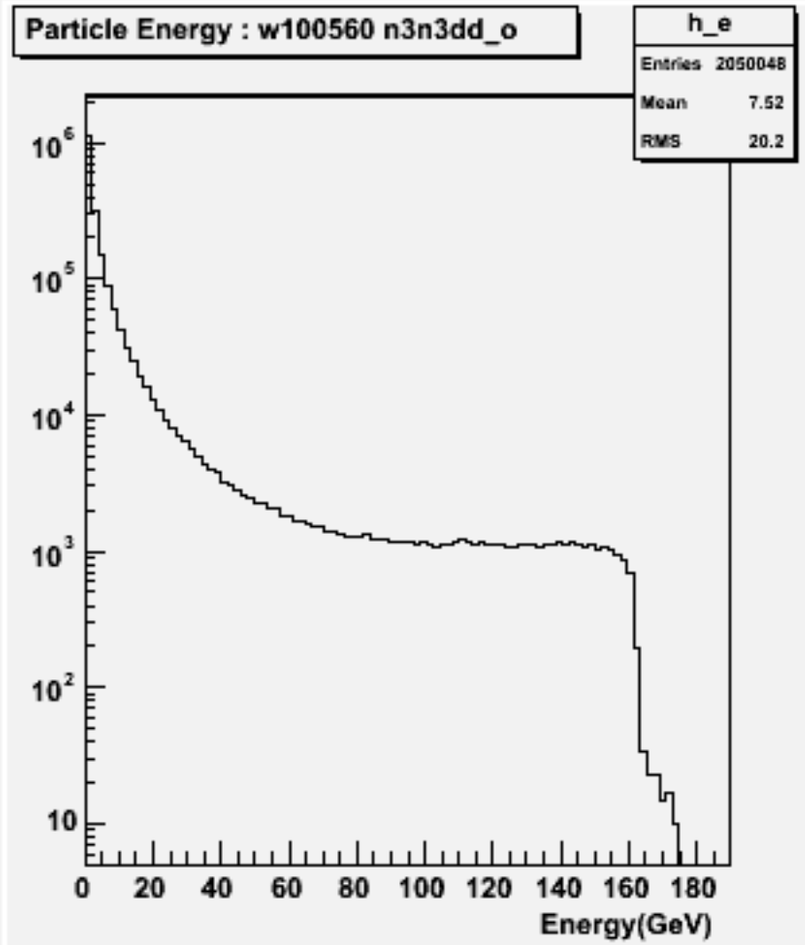

Ycut for 4-jets :w100557 n3n3e2e2_o
h_yc4j
Entries 808
Mean 0.114
RMS 0.1592
ycut for forced 4-jets

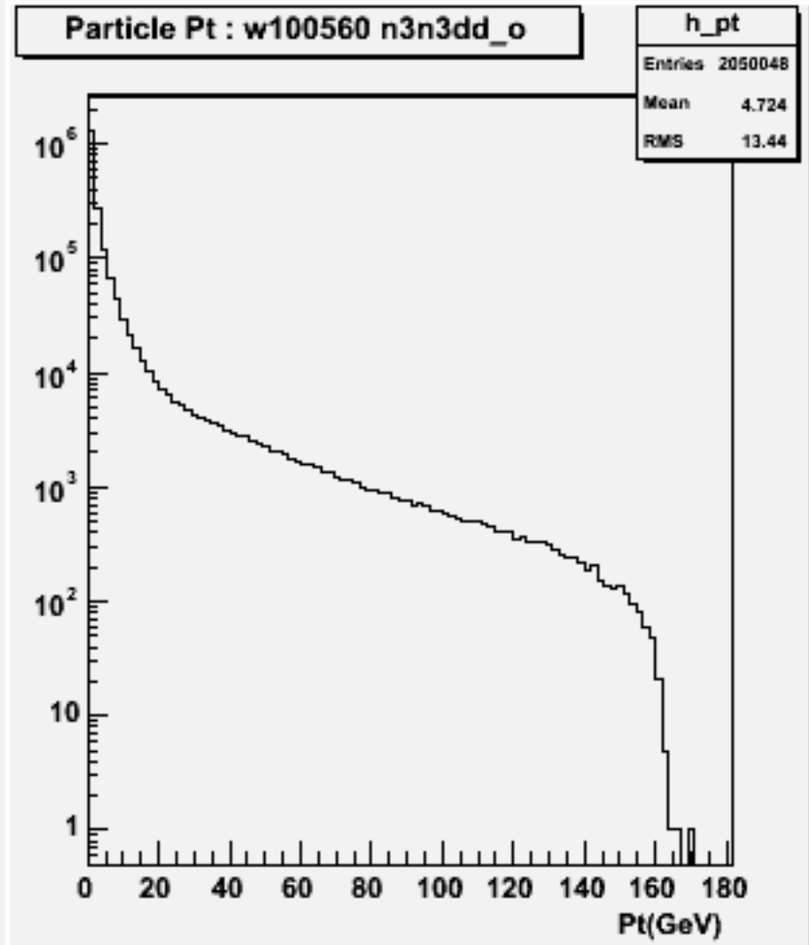

Jet energies(All jets)w100557 n3n3e2e2_o
ha_j0e
Entries 3232
Mean 45.15
RMS 47.82
E(Jet)

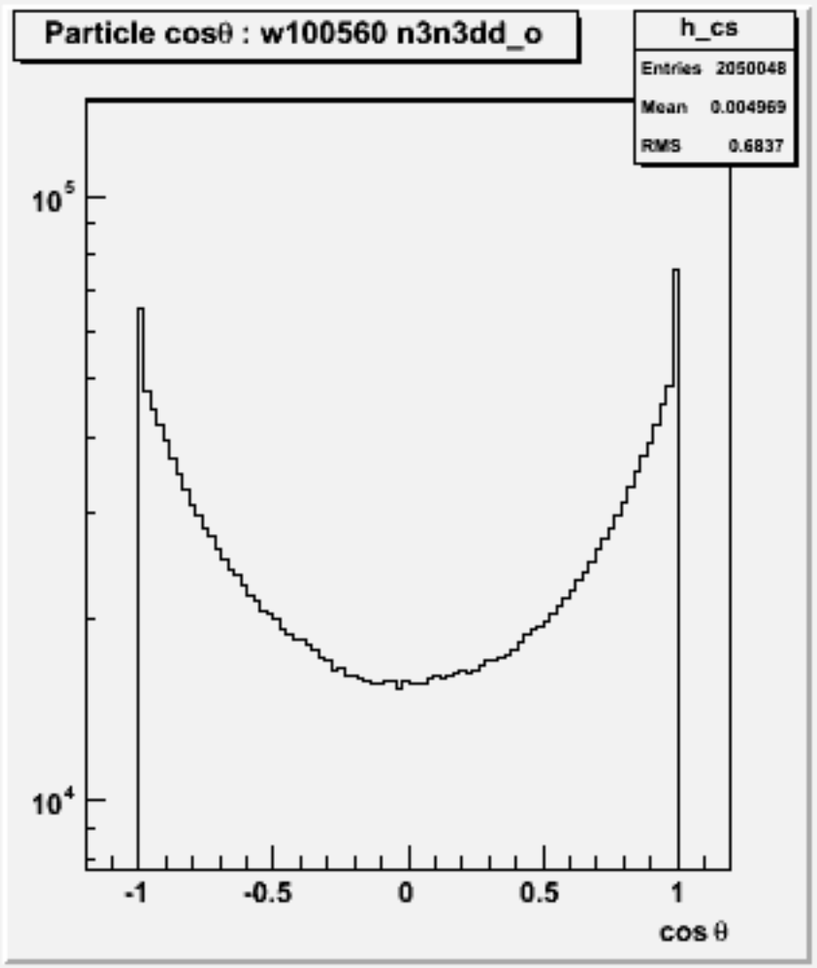

Jet cosθ (All jets)w100557 n3n3e2e2_o
ha_j0cs
Entries 3232
Mean 0.2675
RMS 0.7961
cos θ

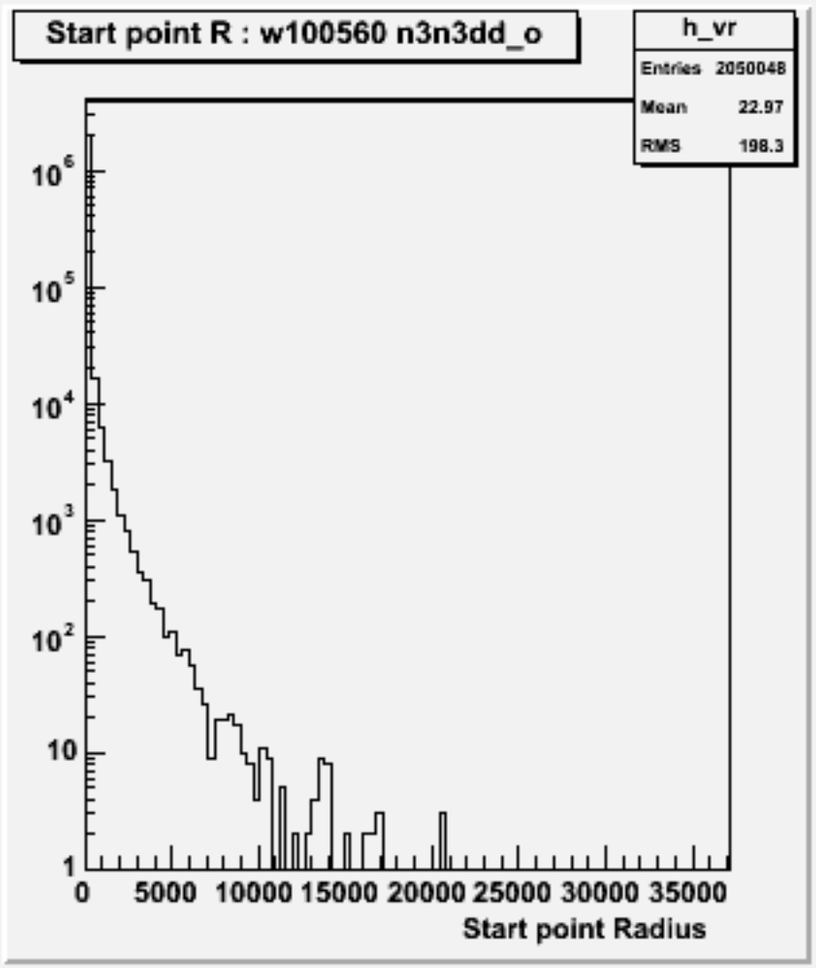

2jets mass(All comb)w100557 n3n3e2e2_o
ha_m01
Entries 4848
Mean 28.8
RMS 41.28
M(J_iJ_k) (GeV)

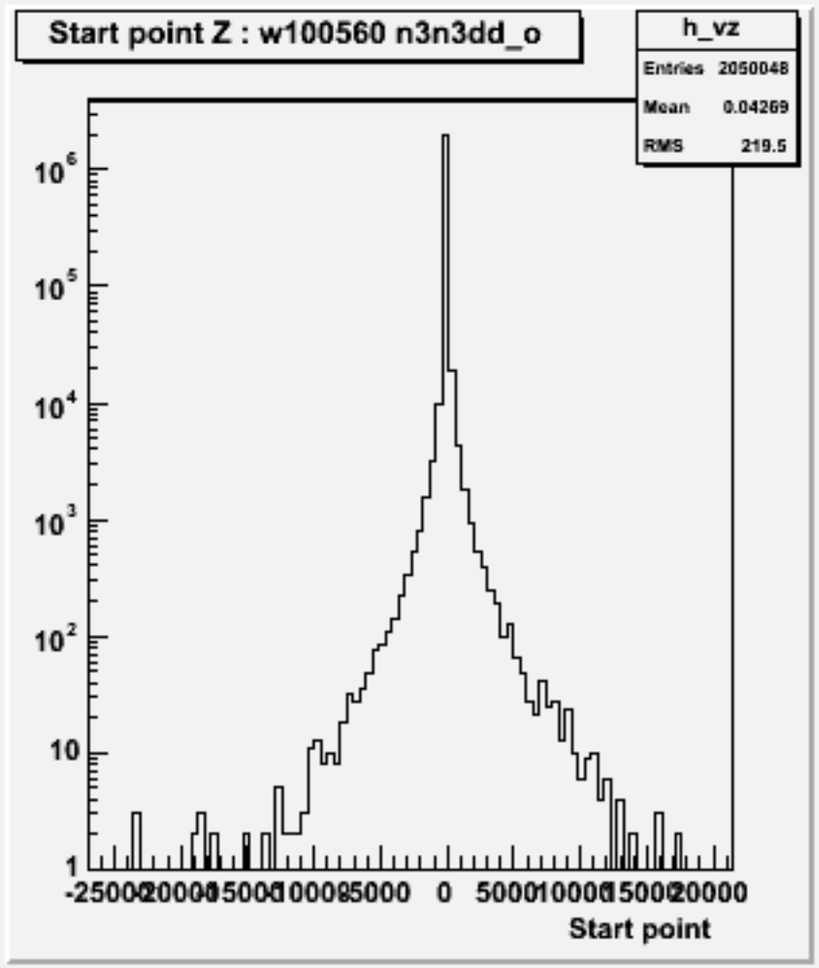

Particle ID : w100560 n3n3dd_o
h_id
Entries 2050048
Mean 12.91
RMS 534.3
Particle ID

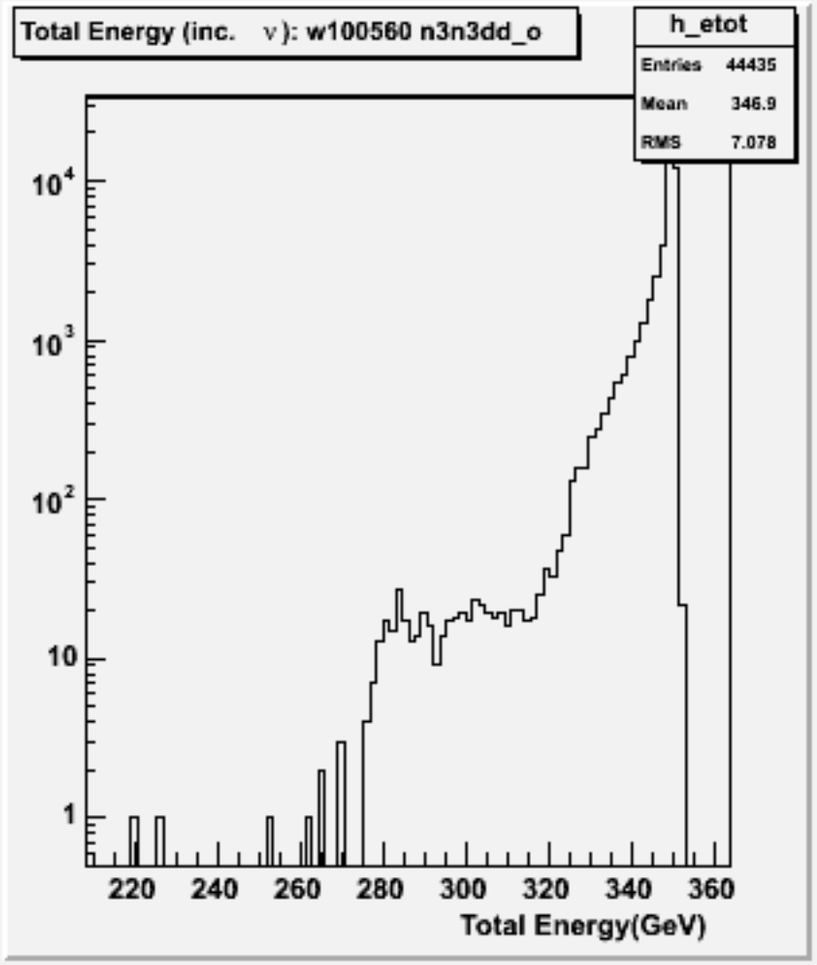

Particle Energy : w100560 n3n3dd_o
h_e
Entries 2050048
Mean 7.52
RMS 20.2
Energy(GeV)

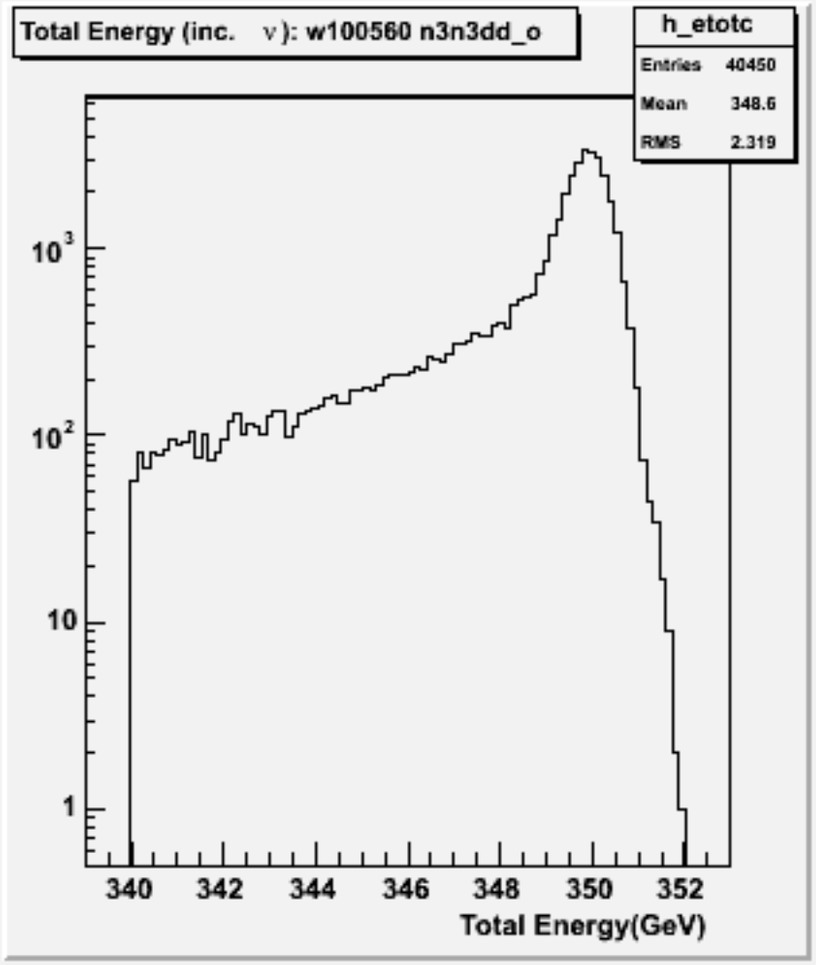

Particle Pt : w100560 n3n3dd_o
h_pt
Entries 2050048
Mean 4.724
RMS 13.44
Pt(GeV)

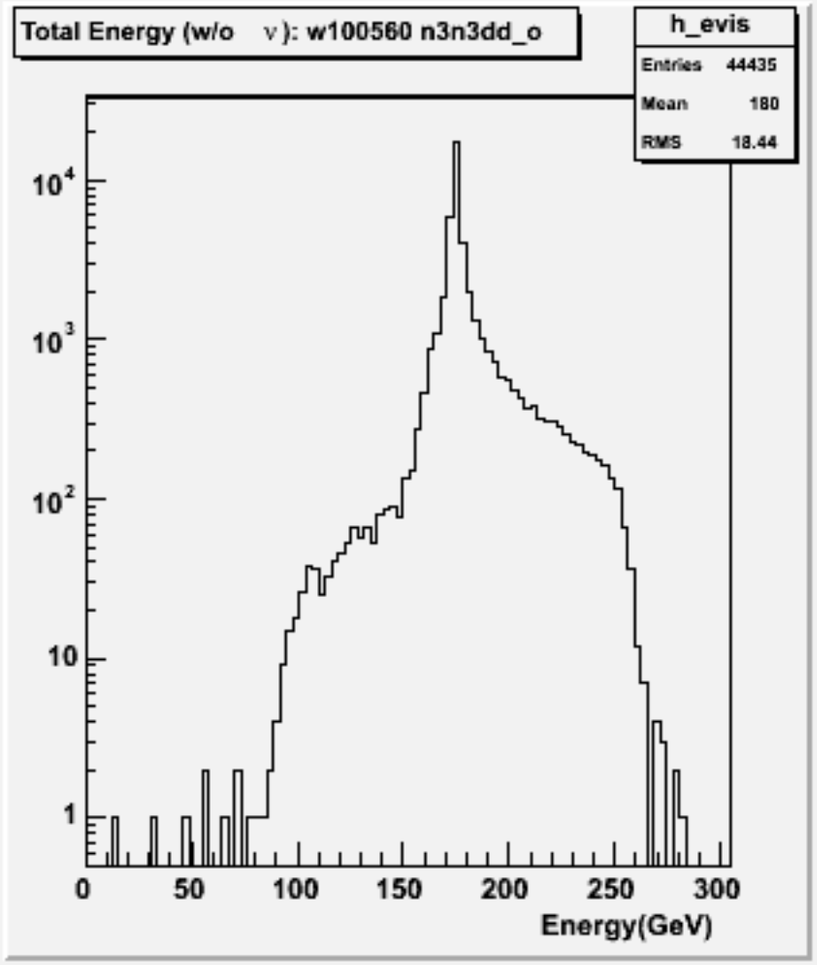

Particle cosθ : w100560 n3n3dd_o
h_cs
Entries 2050048
Mean 0.004969
RMS 0.6837
cos θ

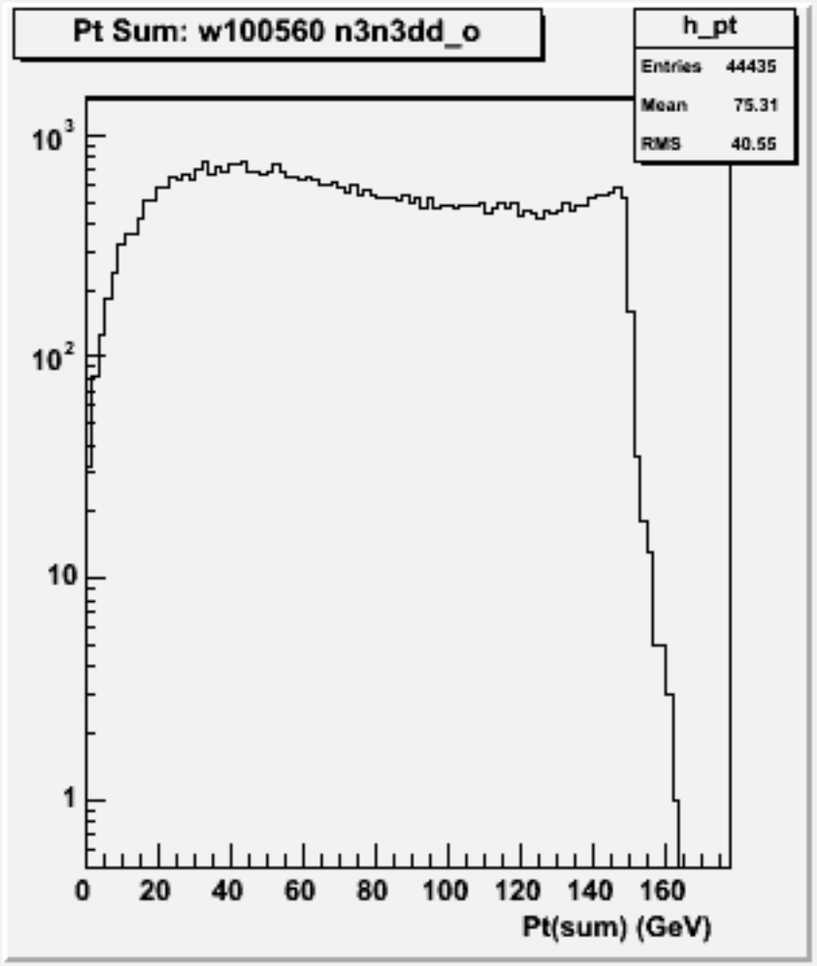

Start point R : w100560 n3n3dd_o
h_vr
Entries 2050048
Mean 22.97
RMS 198.3
Start point Radius

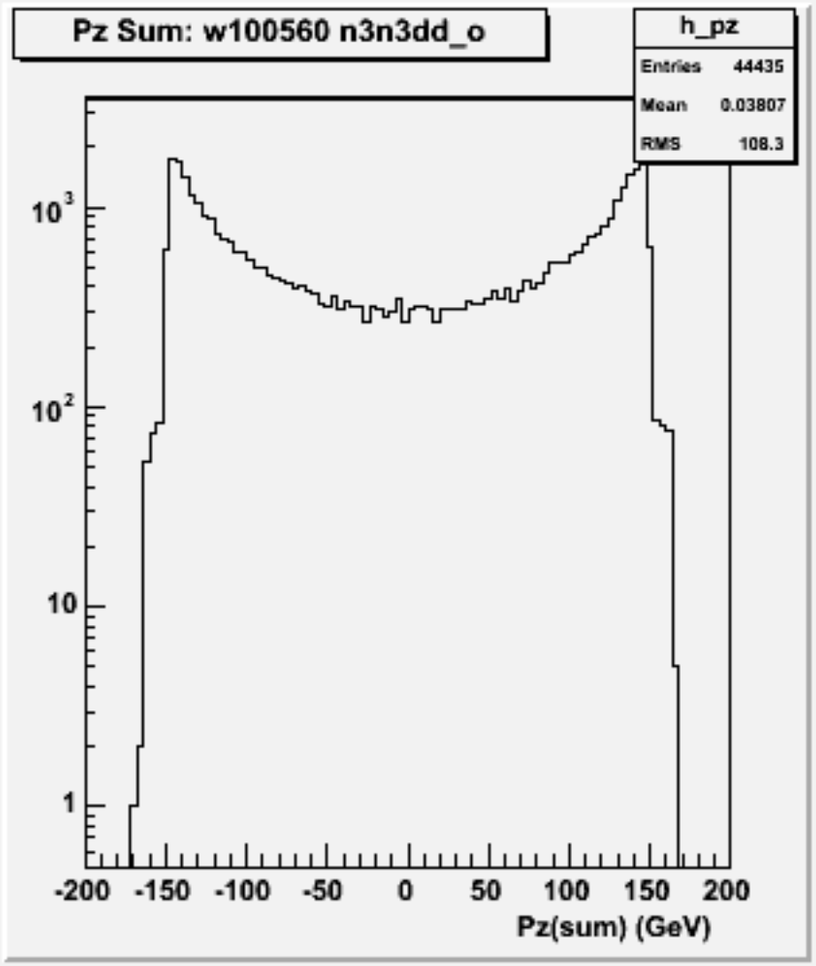

Start point Z : w100560 n3n3dd_o
h_vz
Entries 2050048
Mean 0.04269
RMS 219.5
Start point

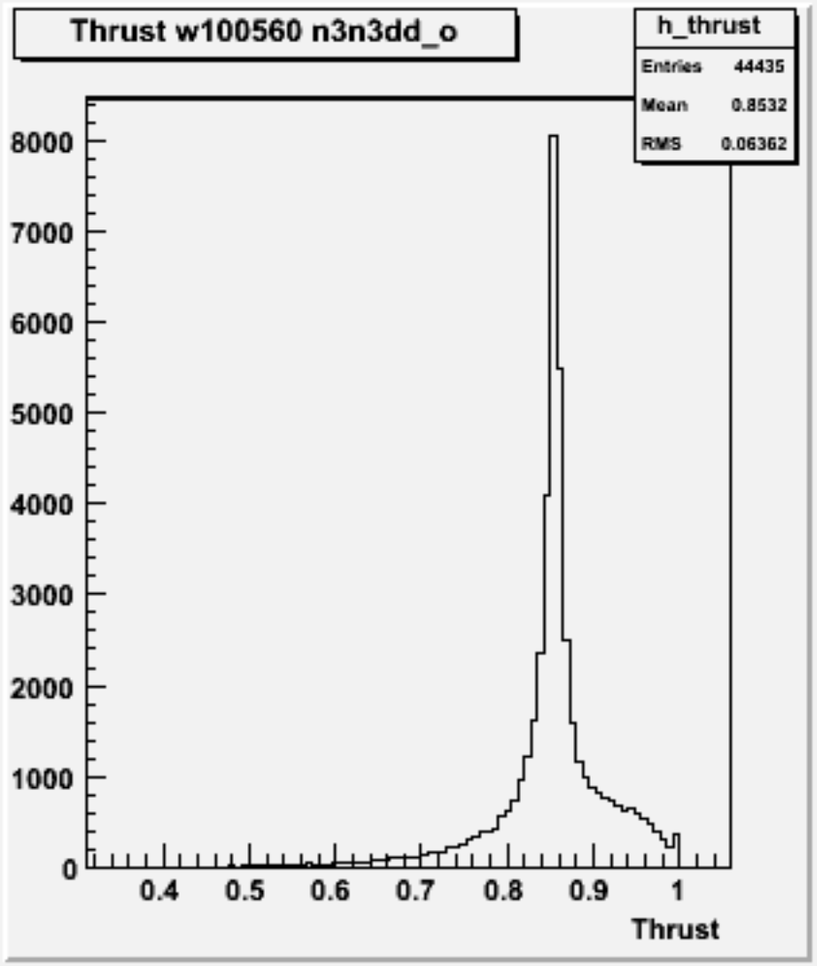

Total Energy (inc. ν): w100560 n3n3dd_o
h_etot
Entries 44435
Mean 346.9
RMS 7.078
Total Energy(GeV)

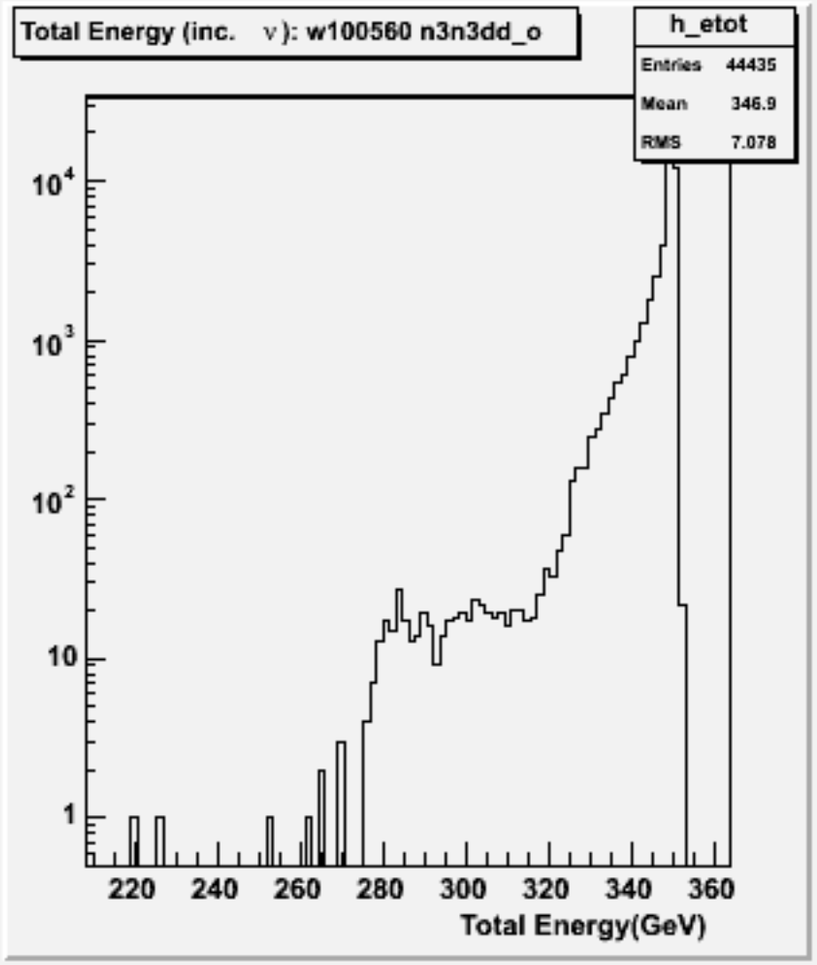

Total Energy (inc. ν): w100560 n3n3dd_o
h_etotc
Entries 40450
Mean 348.6
RMS 2.319
Total Energy(GeV)

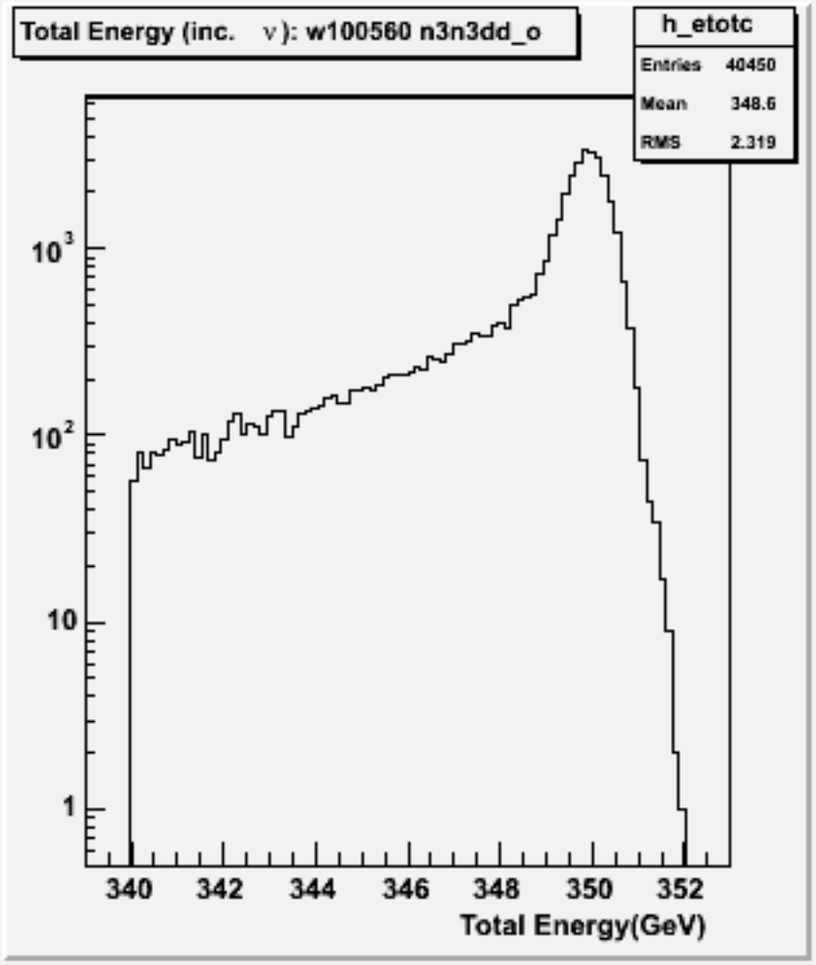

Total Energy (w/o ν): w100560 n3n3dd_o
h_evis
Entries 44435
Mean 180
RMS 18.44
Energy(GeV)

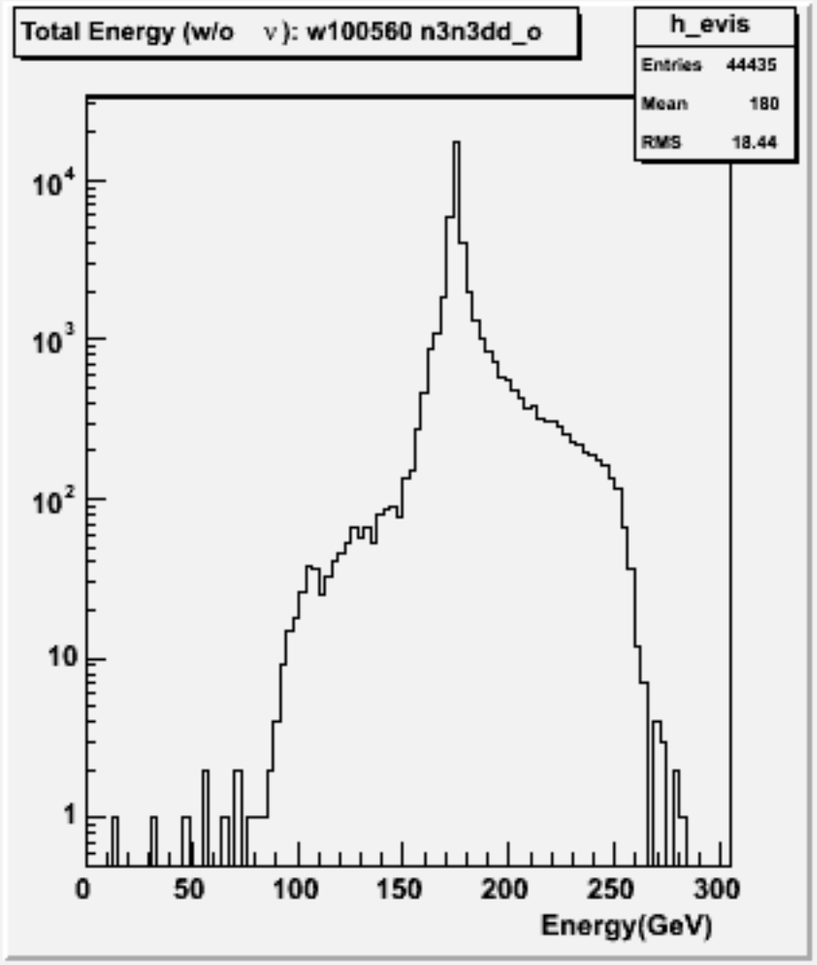

Pt Sum: w100560 n3n3dd_o
h_pt
Entries 44435
Mean 75.31
RMS 40.55
Pt(sum) (GeV)

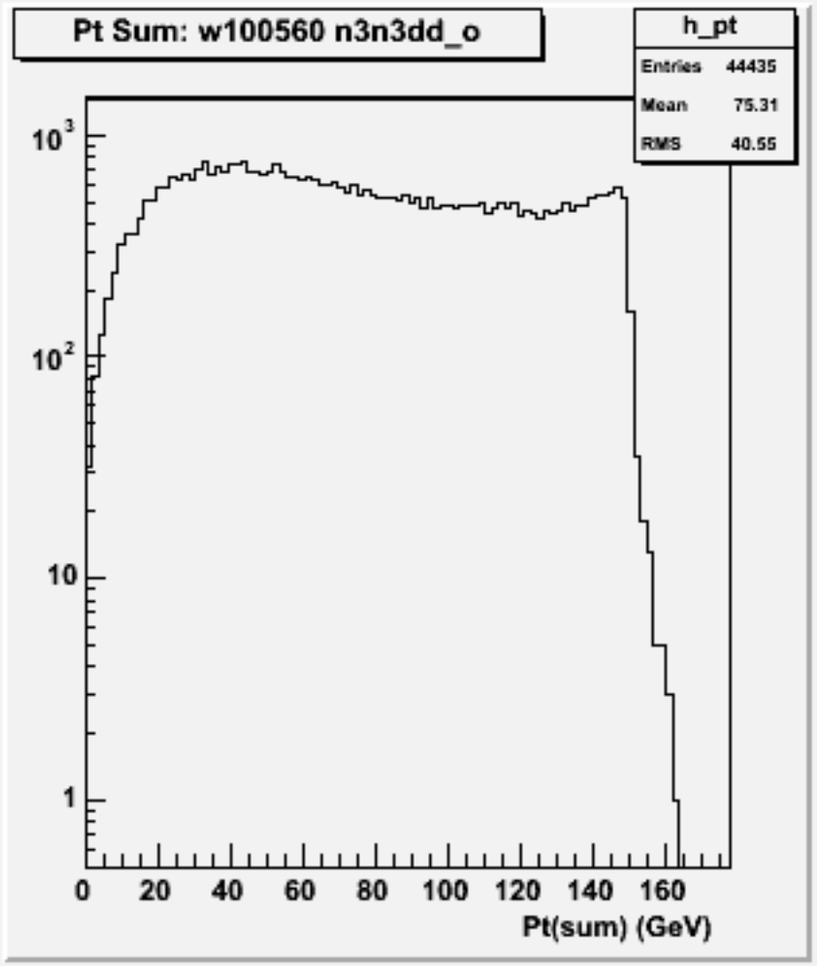

Pz Sum: w100560 n3n3dd_o
h_pz
Entries 44435
Mean 0.03807
RMS 108.3
Pz(sum) (GeV)

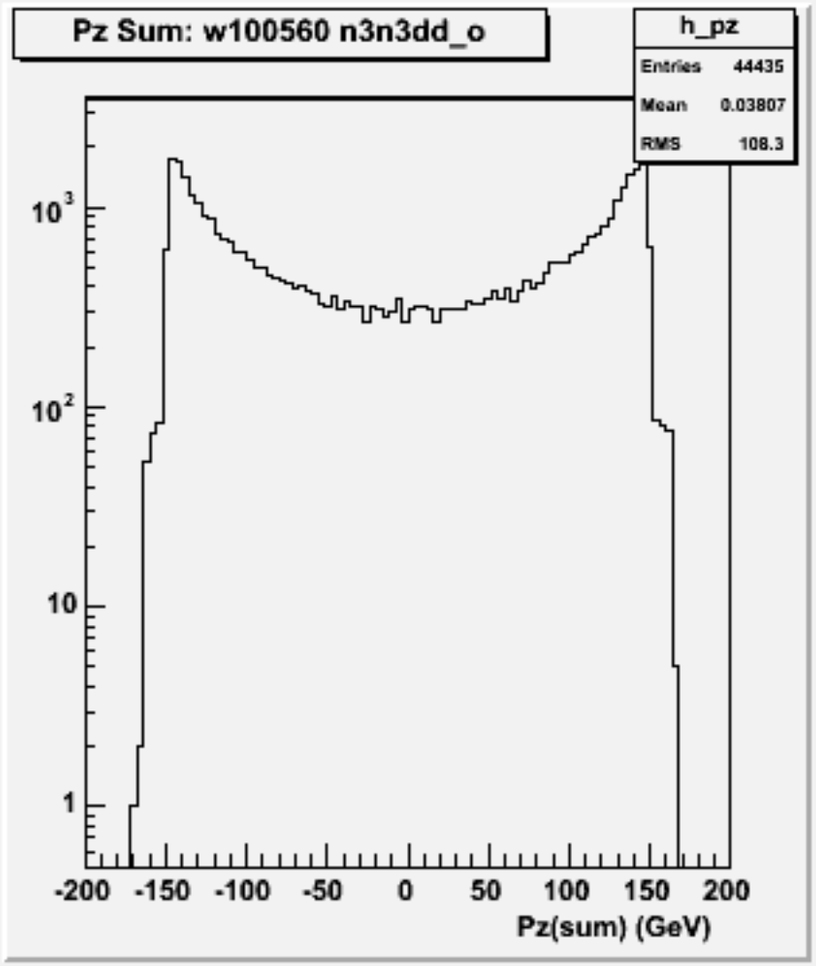

Thrust w100560 n3n3dd_o
h_thrust
Entries 44435
Mean 0.8532
RMS 0.06362
Thrust

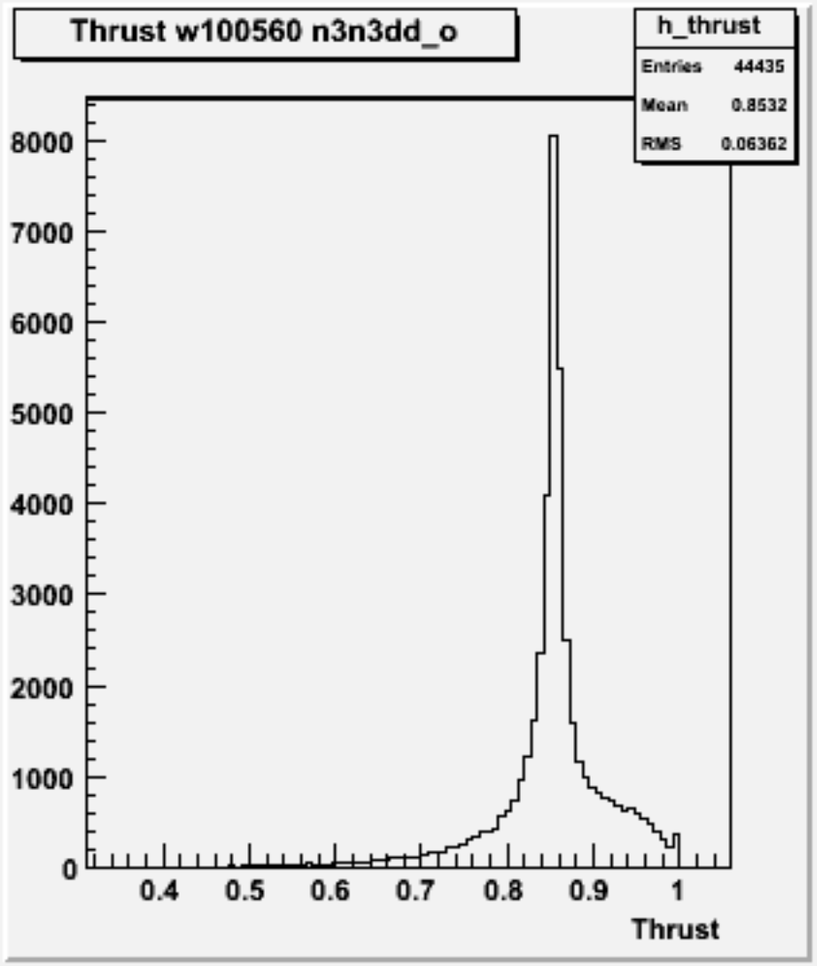

Total Energy (inc. ν): w100560 n3n3dd_o
h_etot
Entries 44435
Mean 346.9
RMS 7.078
Total Energy(GeV)

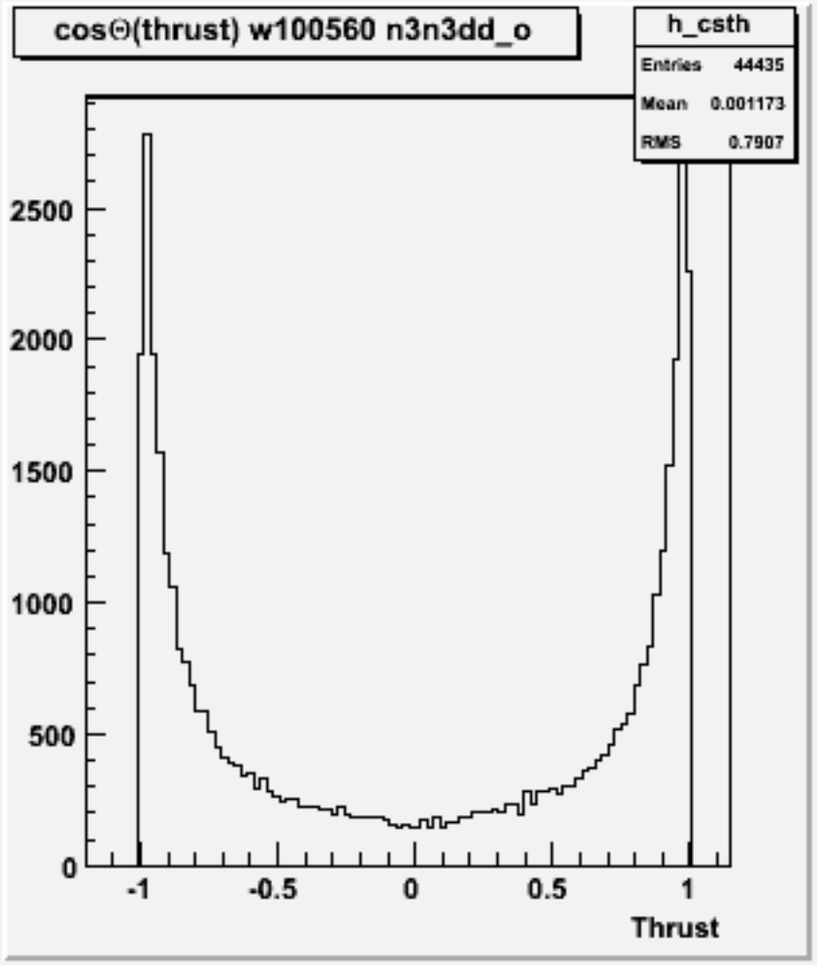

Total Energy (inc. ν): w100560 n3n3dd_o
h_etotc
Entries 40450
Mean 348.6
RMS 2.319
Total Energy(GeV)

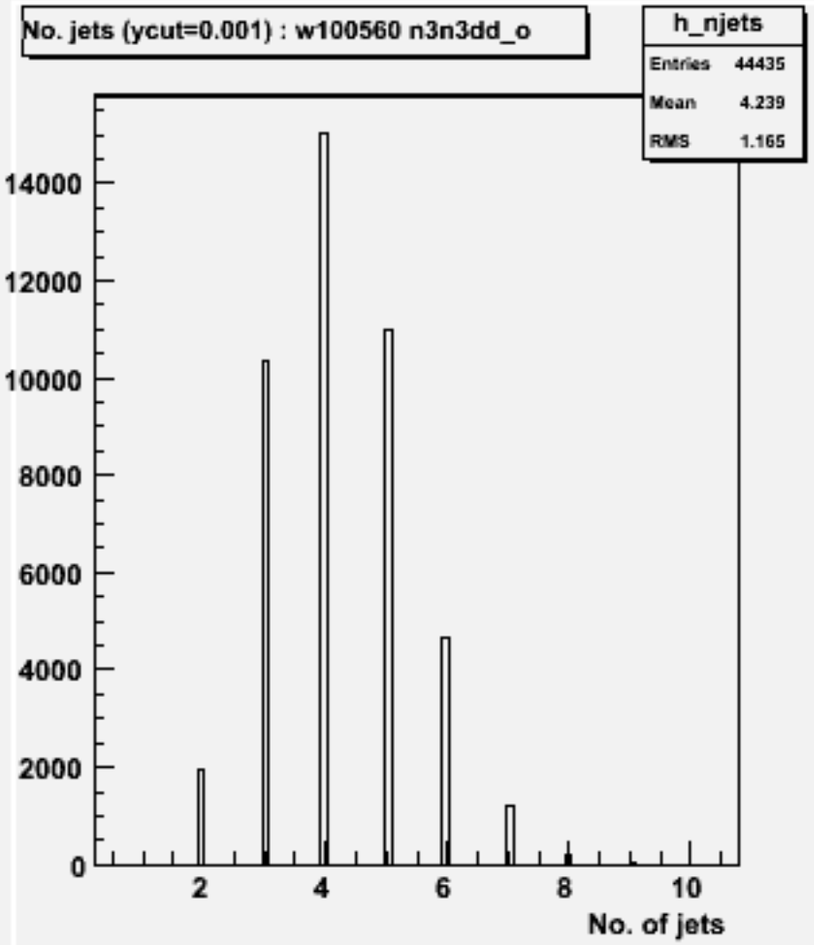

Total Energy (w/o ν): w100560 n3n3dd_o
h_evis
Entries 44435
Mean 180
RMS 18.44
Energy(GeV)

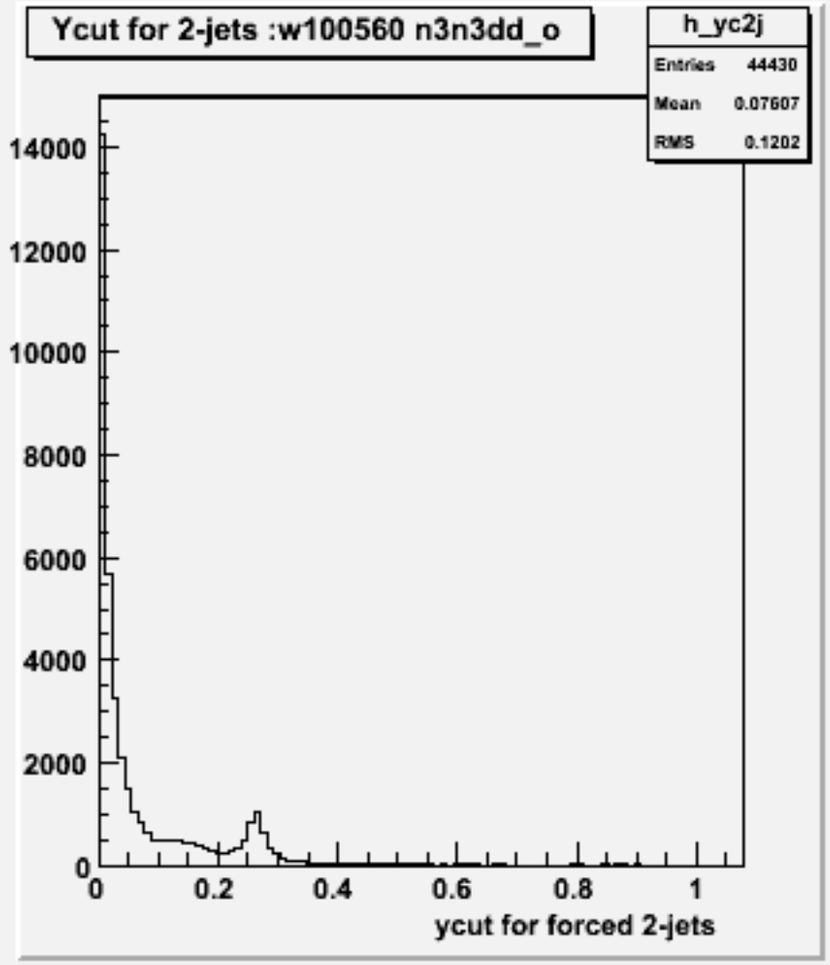

Pt Sum: w100560 n3n3dd_o
h_pt
Entries 44435
Mean 75.31
RMS 40.55
Pt(sum) (GeV)

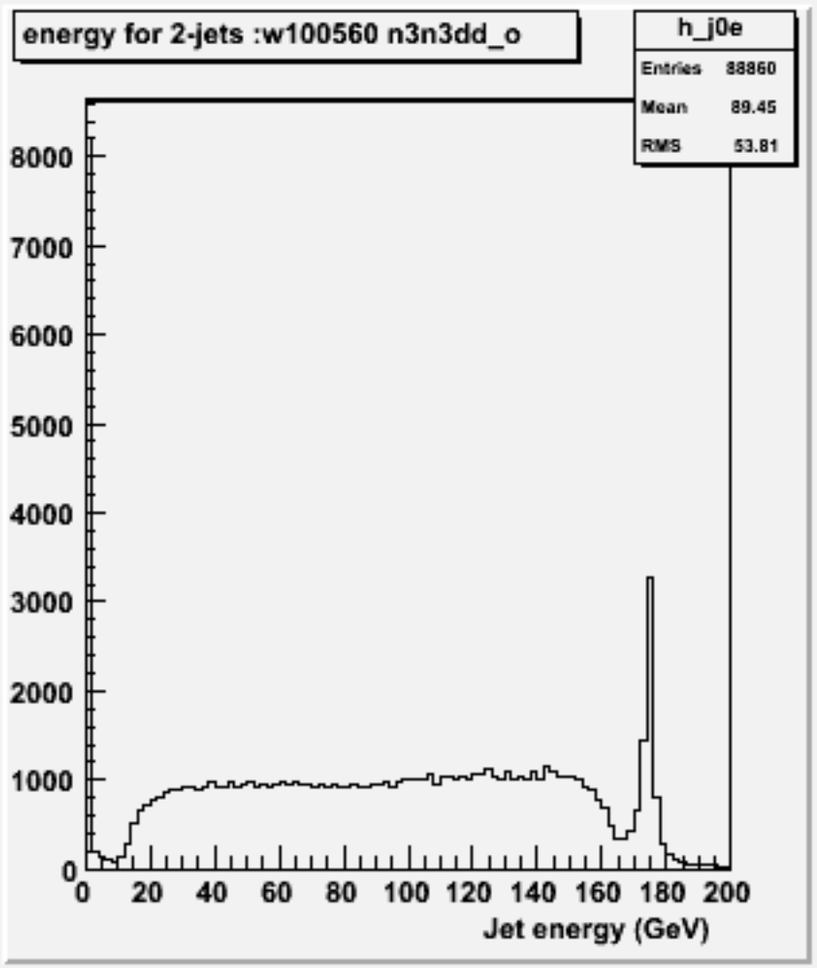

Pz Sum: w100560 n3n3dd_o
h_pz
Entries 44435
Mean 0.03807
RMS 108.3
Pz(sum) (GeV)

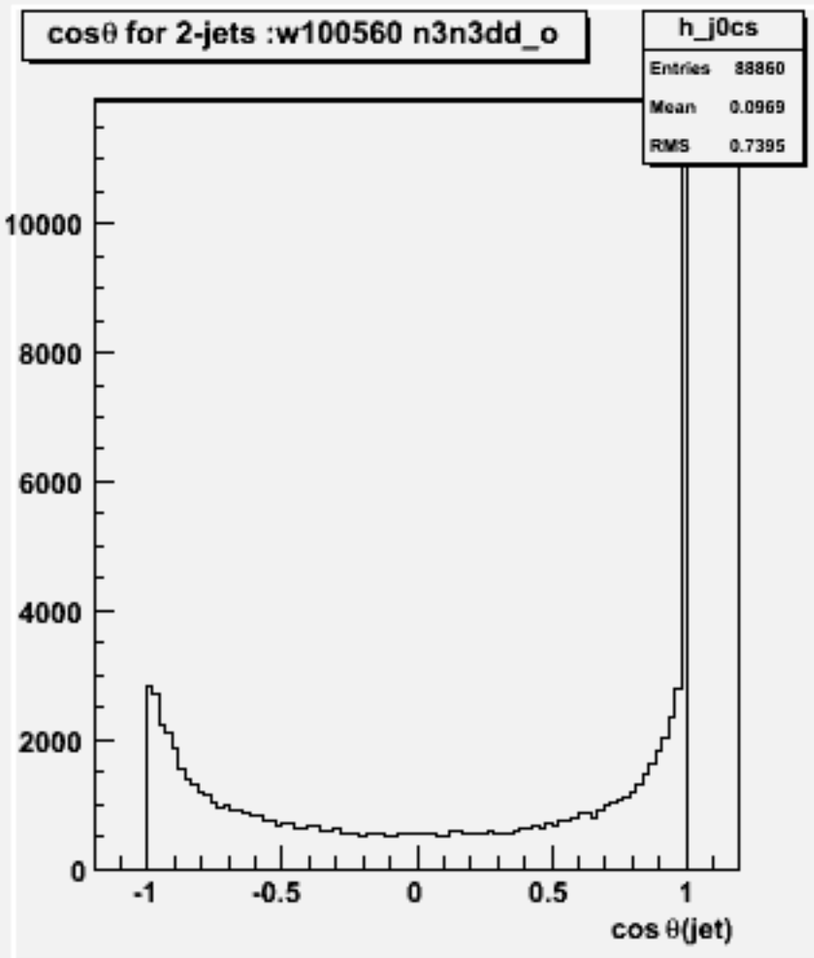

Thrust w100560 n3n3dd_o
h_thrust
Entries 44435
Mean 0.8532
RMS 0.06362
Thrust

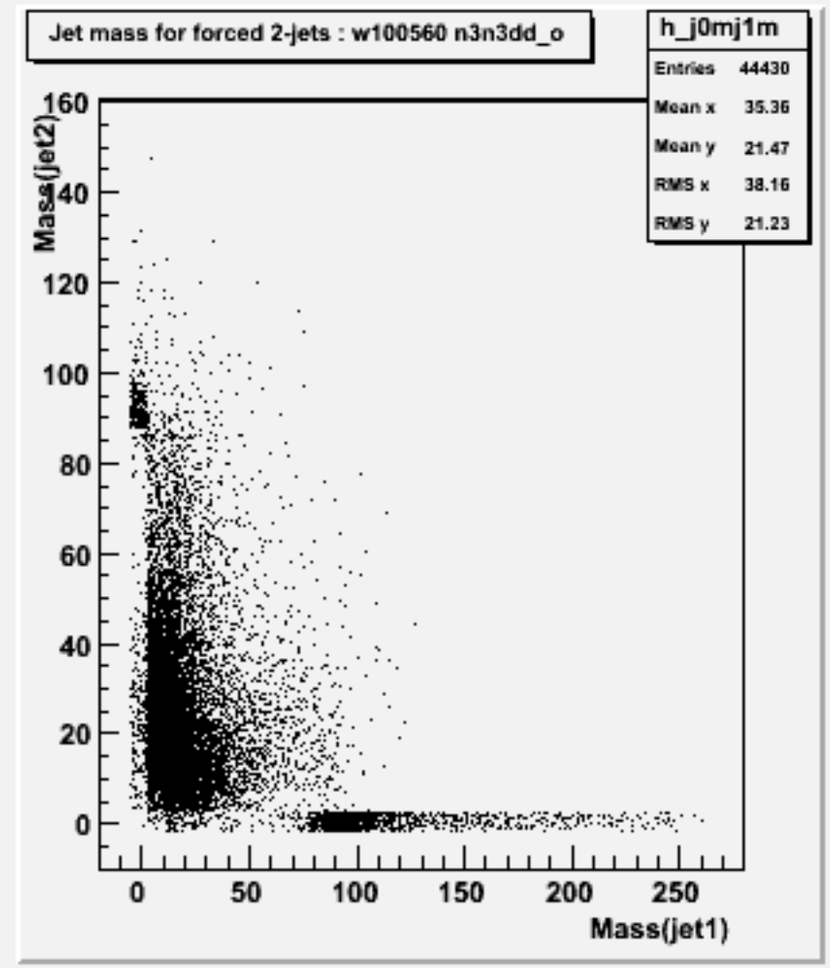

cosΘ(thrust) w100560 n3n3dd_o
h_csth
Entries 44435
Mean 0.001173
RMS 0.7907
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
Thrust

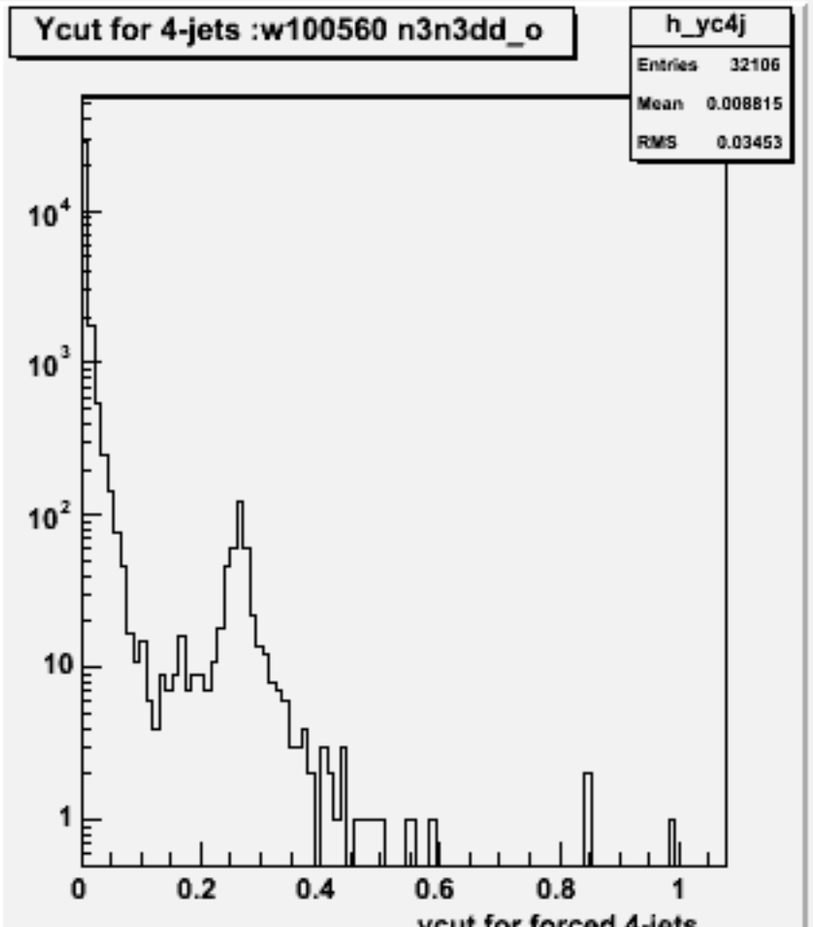

No. jets (ycut=0.001) : w100560 n3n3dd_o
h_njets
Entries 44435
Mean 4.239
RMS 1.165
14000
12000
10000
8000
6000
4000
2000
0
2
4
6
8
10
No. of jets

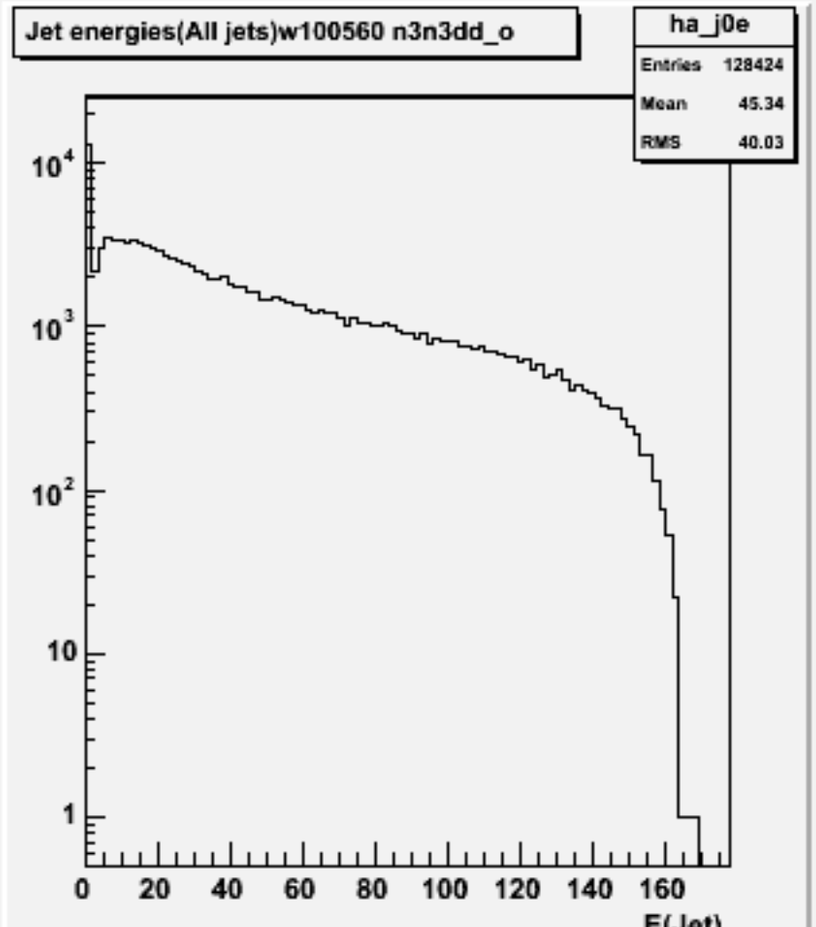

Ycut for 2-jets :w100560 n3n3dd_o
h_yc2j
Entries 44430
Mean 0.07607
RMS 0.1202
14000
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

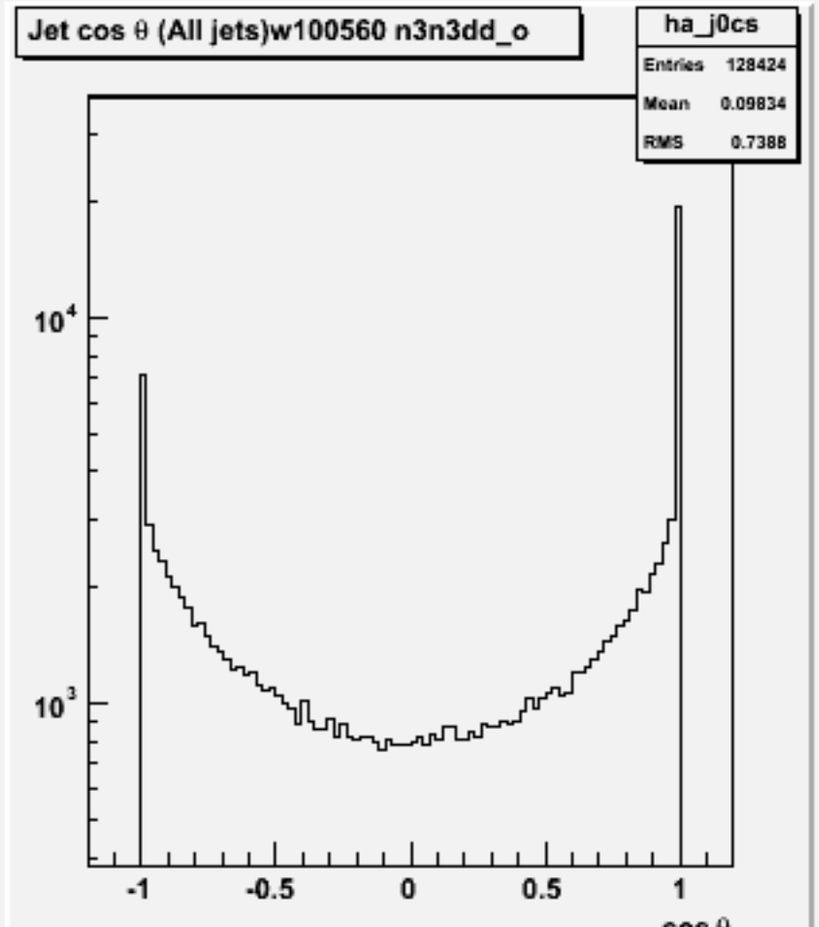

energy for 2-jets :w100560 n3n3dd_o
h_j0e
Entries 88860
Mean 89.45
RMS 53.81
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
160
180
200
Jet energy (GeV)

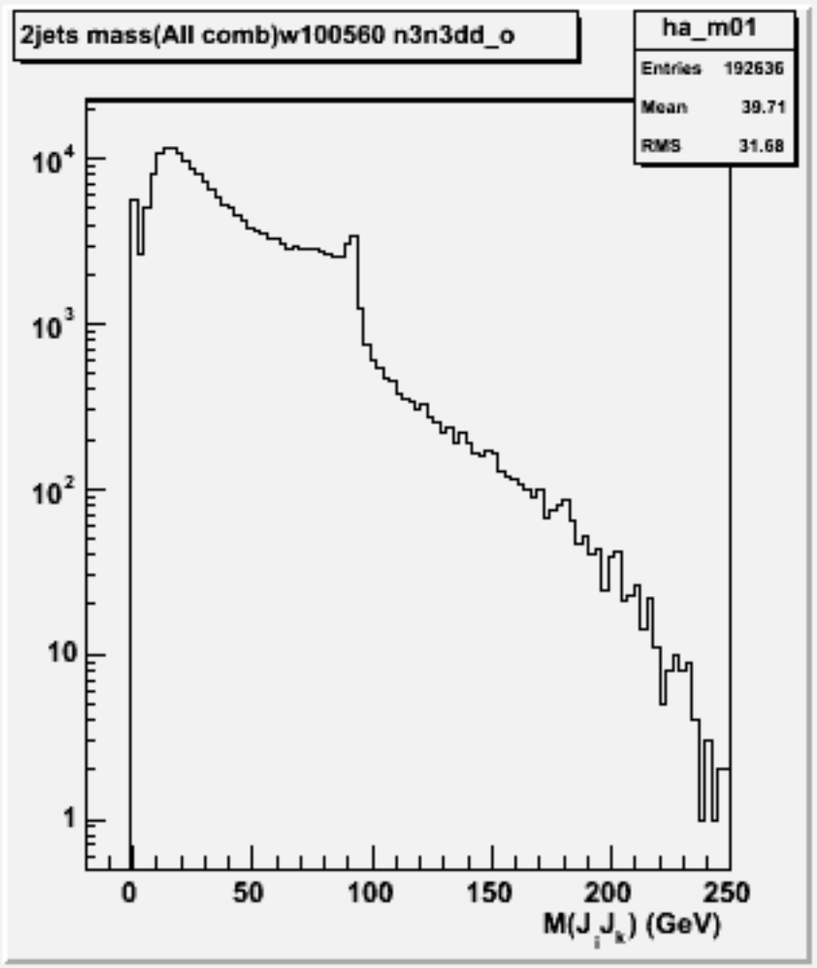

cosθ for 2-jets :w100560 n3n3dd_o
h_j0cs
Entries 88860
Mean 0.0969
RMS 0.7395
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
cos θ(jet)

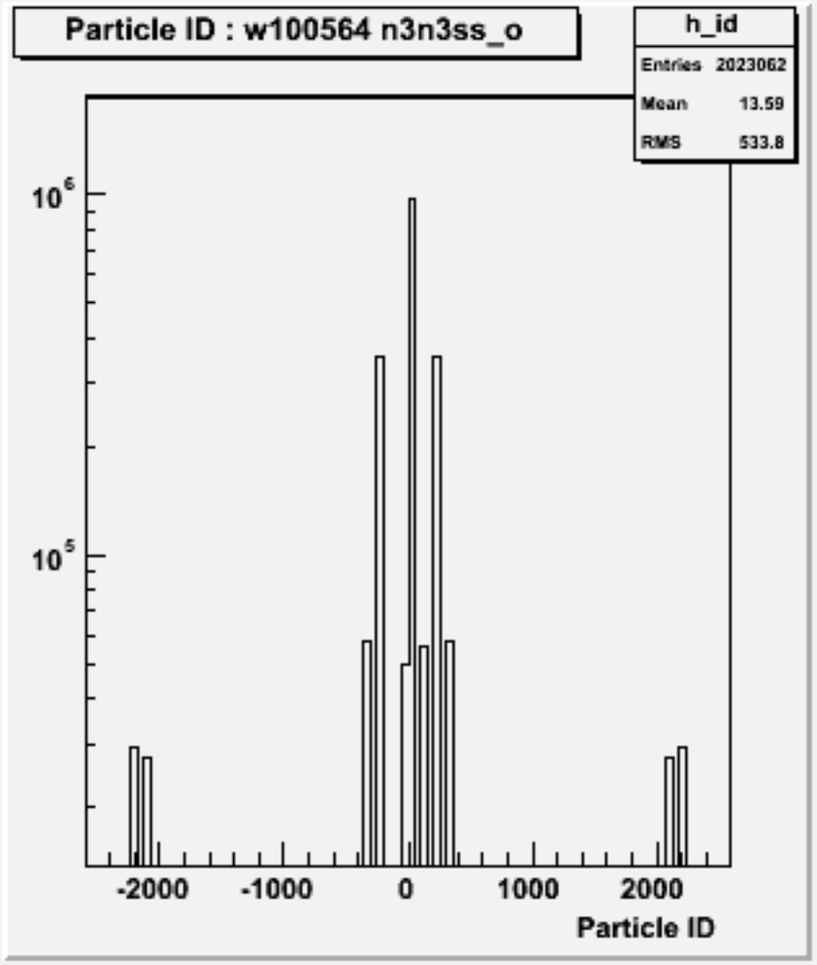

Jet mass for forced 2-jets : w100560 n3n3dd_o
h_j0mj1m
Entries 44430
Mean x 35.36
Mean y 21.47
RMS x 38.16
RMS y 21.23
Mass(jet2)
160
140
120
100
80
60
40
20
0
0
50
100
150
200
250
Mass(jet1)

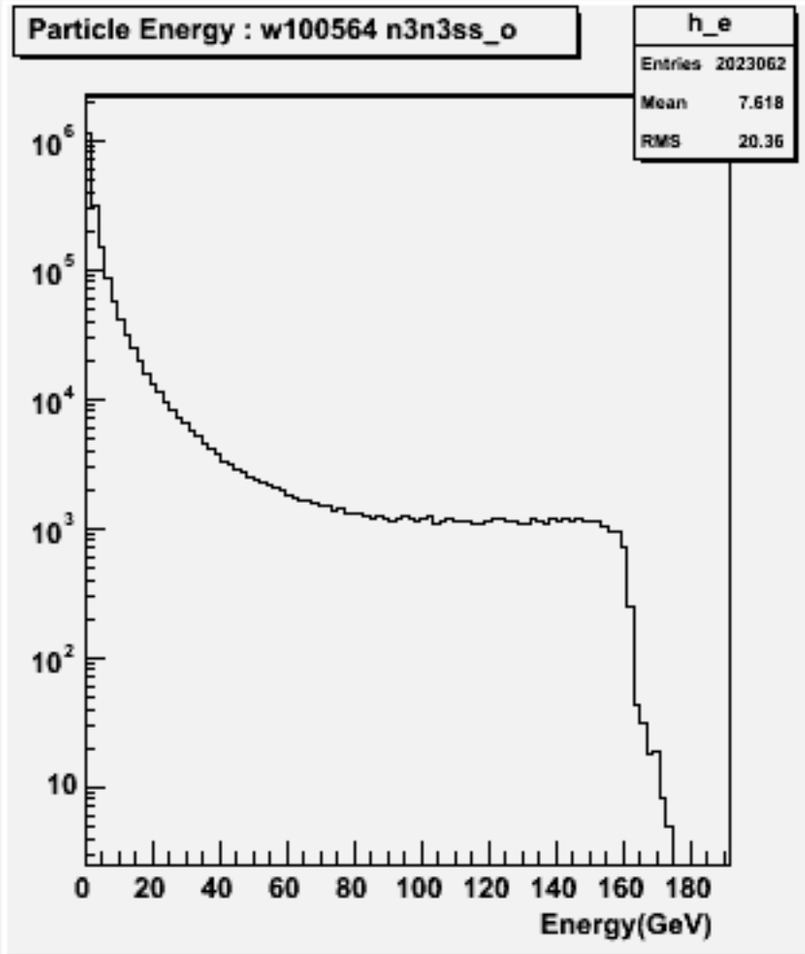

Ycut for 4-jets :w100560 n3n3dd_o
h_yc4j
Entries 32106
Mean 0.008815
RMS 0.03453
ycut for forced 4-jets

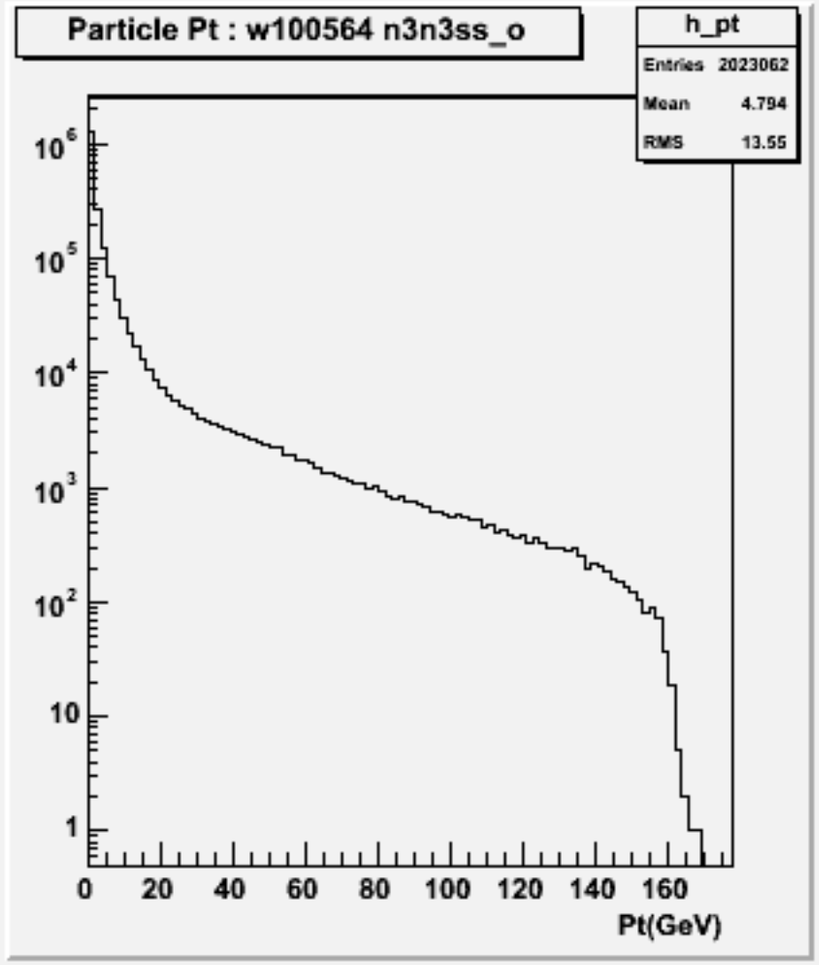

Jet energies(All jets)w100560 n3n3dd_o
ha_j0e
Entries 128424
Mean 45.34
RMS 40.03
E(Jet)

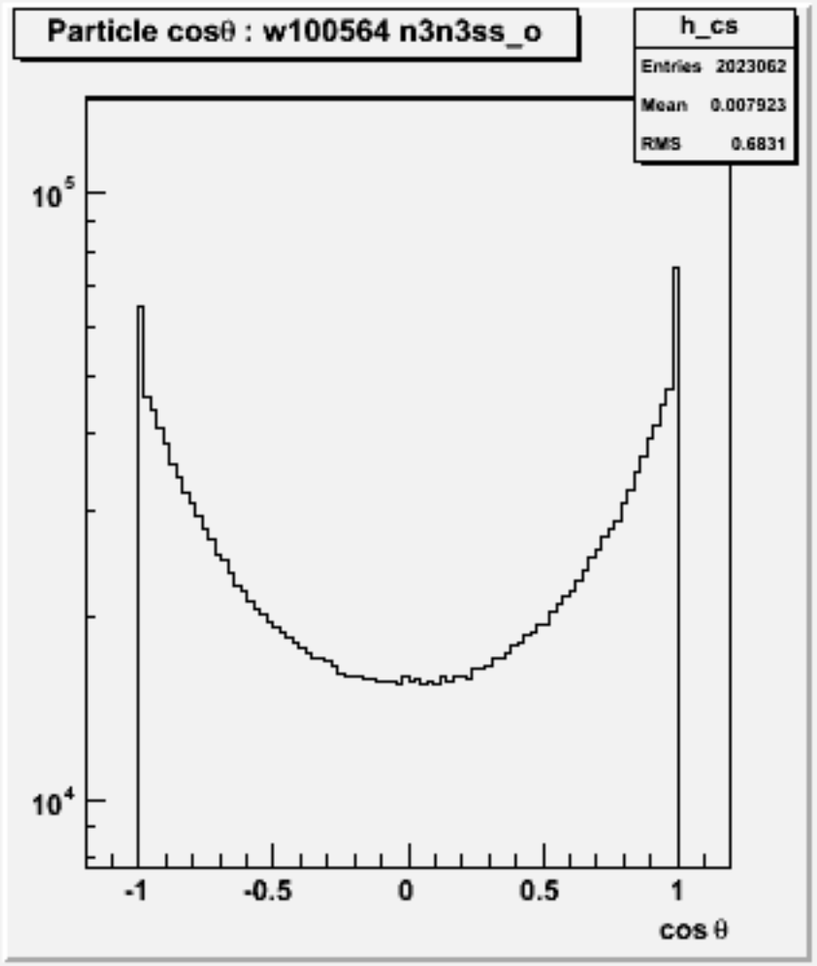

Jet cos θ (All jets)w100560 n3n3dd_o
ha_j0cs
Entries 128424
Mean 0.09834
RMS 0.7388
cos θ

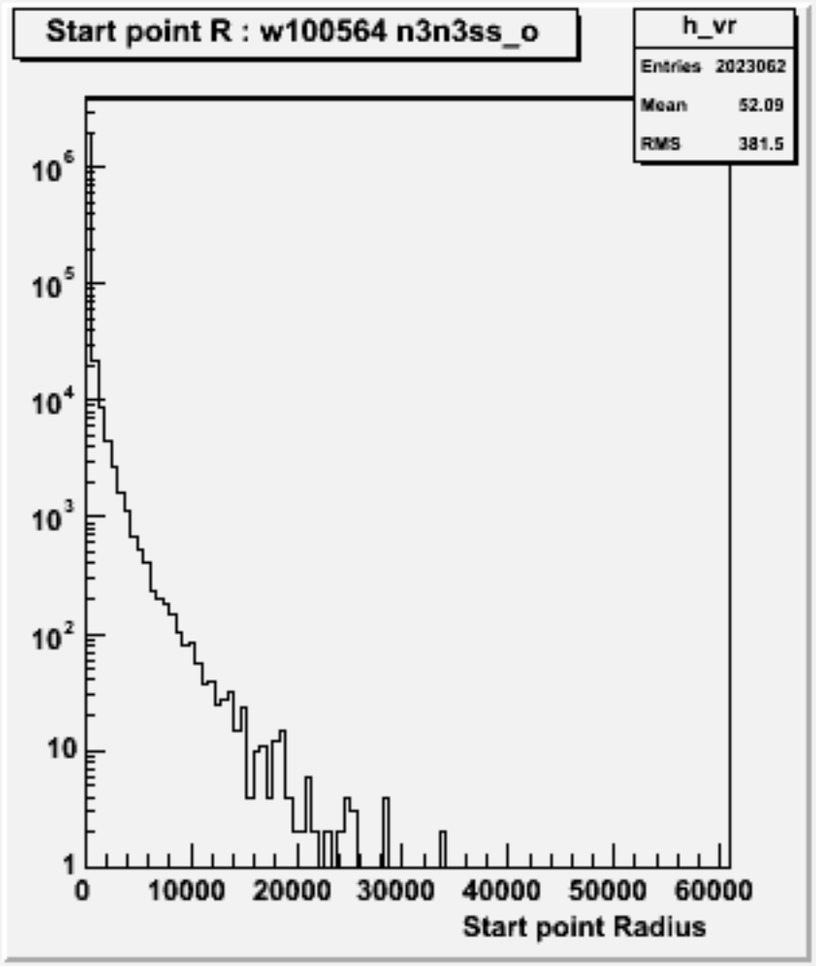

2jets mass(All comb)w100560 n3n3dd_o
ha_m01
Entries 192636
Mean 39.71
RMS 31.68
M(J_iJ_k) (GeV)

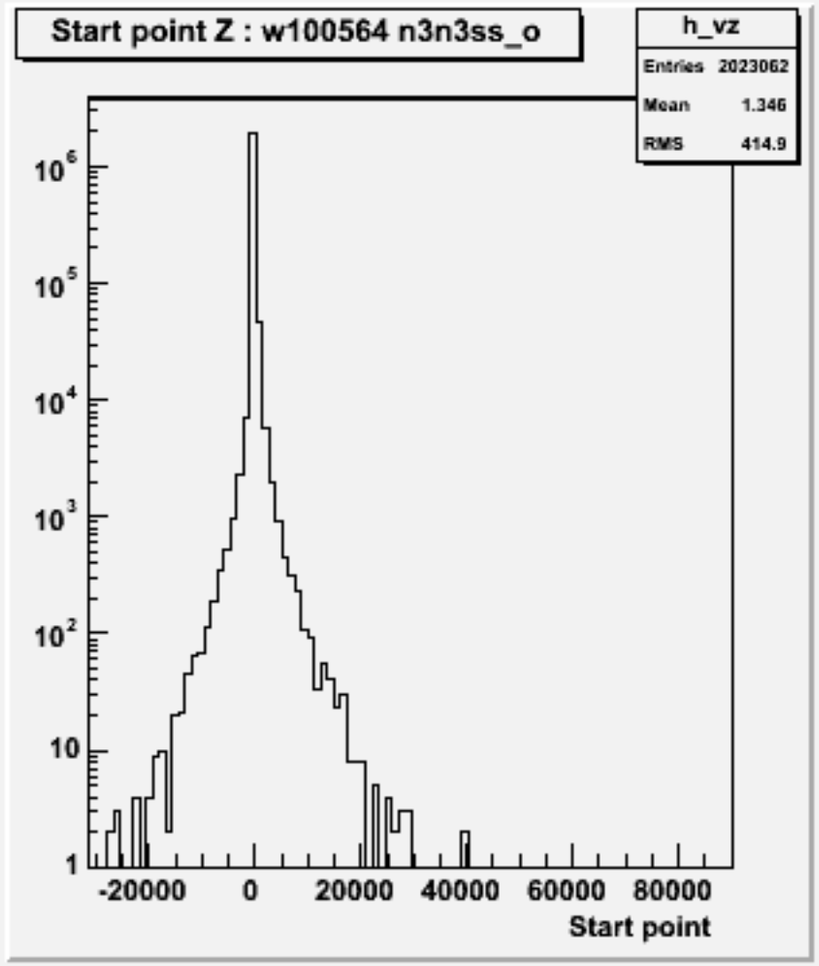

Particle ID : w100564 n3n3ss_o
h_id
Entries 2023062
Mean 13.59
RMS 533.8
Particle ID

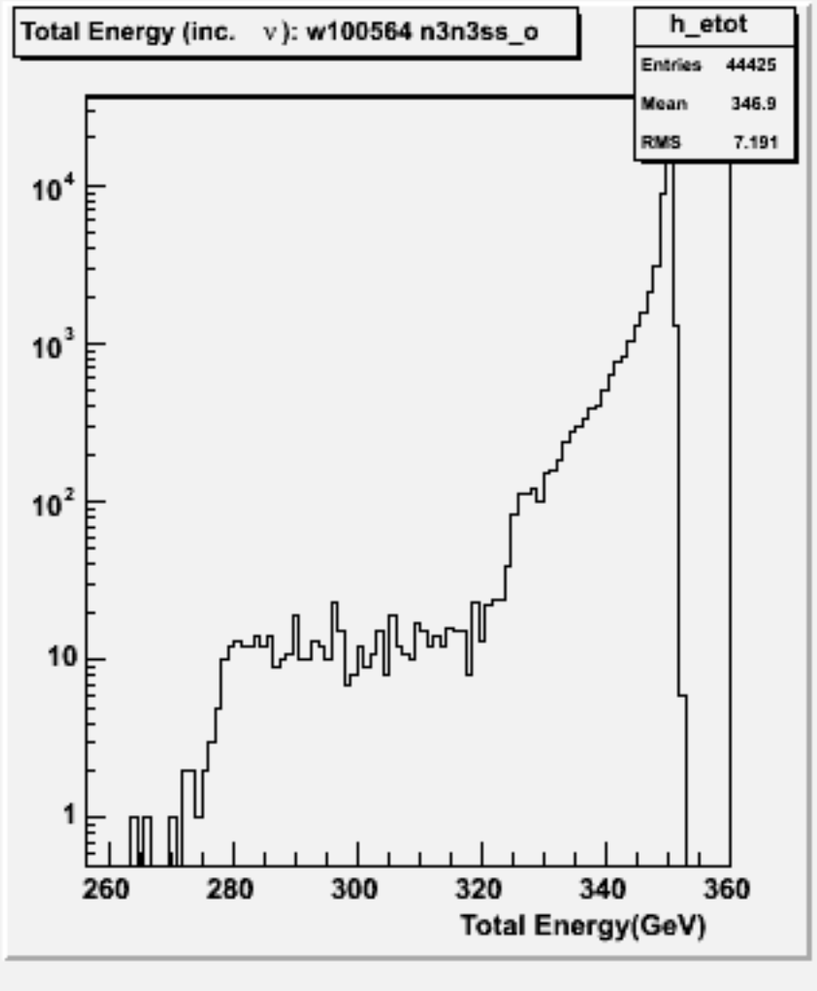

Particle Energy : w100564 n3n3ss_o
h_e
Entries 2023062
Mean 7.618
RMS 20.36
Energy(GeV)

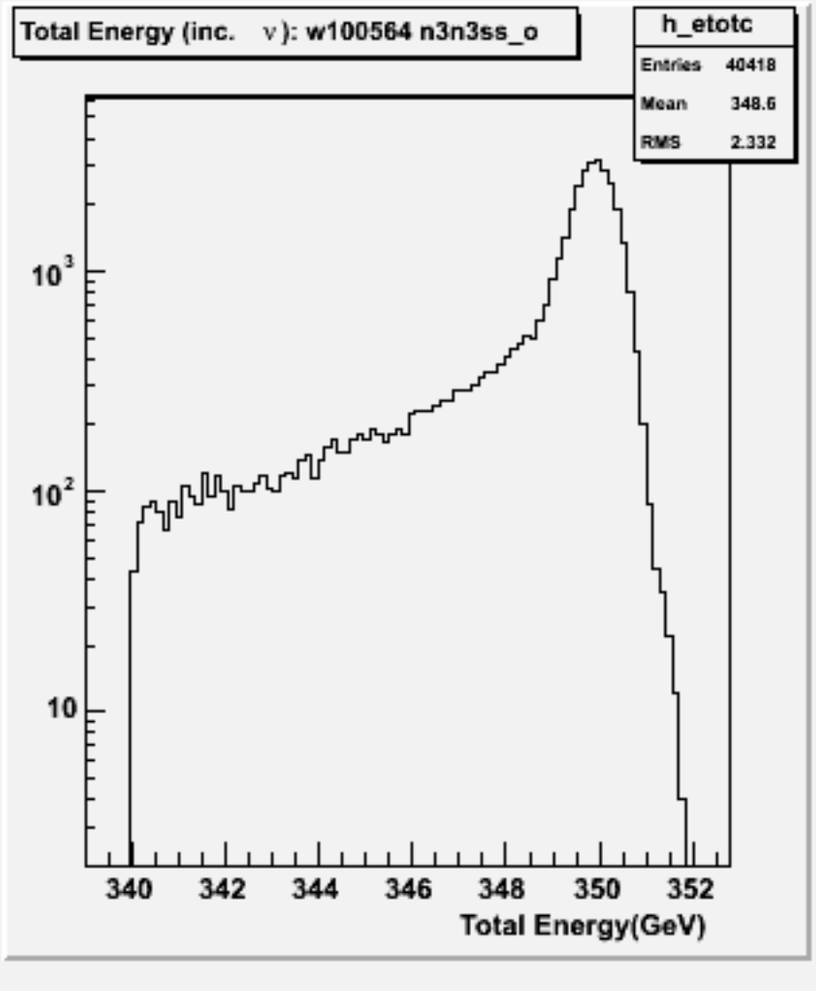

Particle Pt : w100564 n3n3ss_o
h_pt
Entries 2023062
Mean 4.794
RMS 13.55
Pt(GeV)

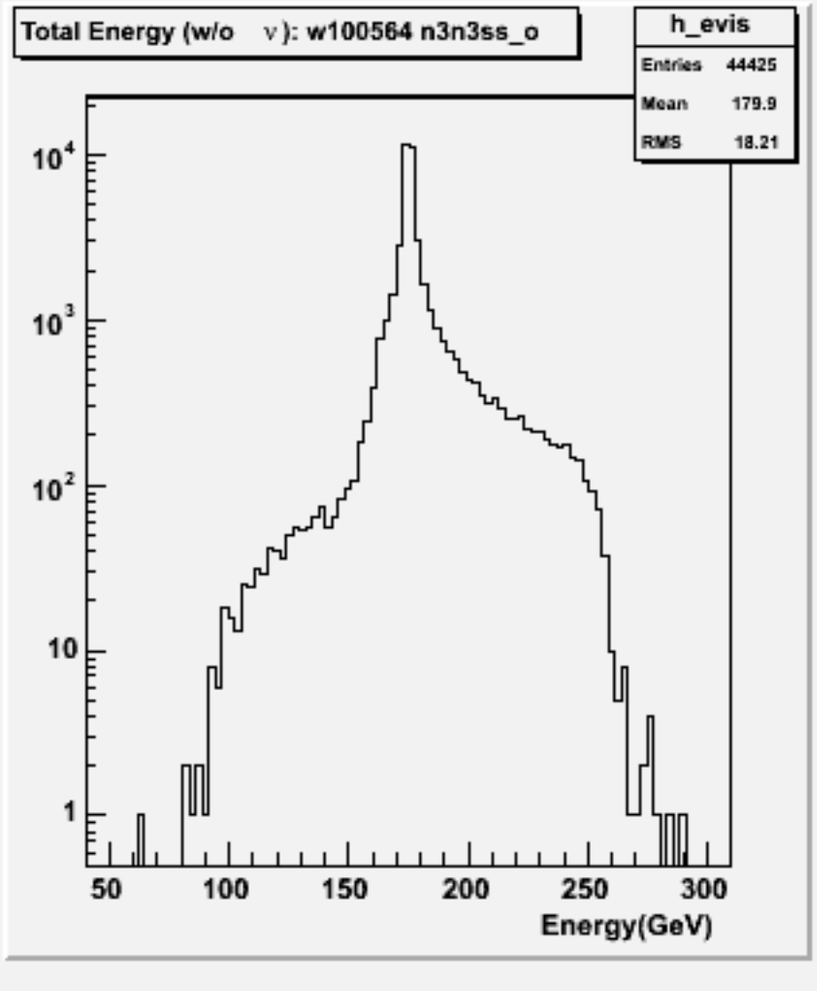

Particle cosθ : w100564 n3n3ss_o
h_cs
Entries 2023062
Mean 0.007923
RMS 0.6831
cos θ

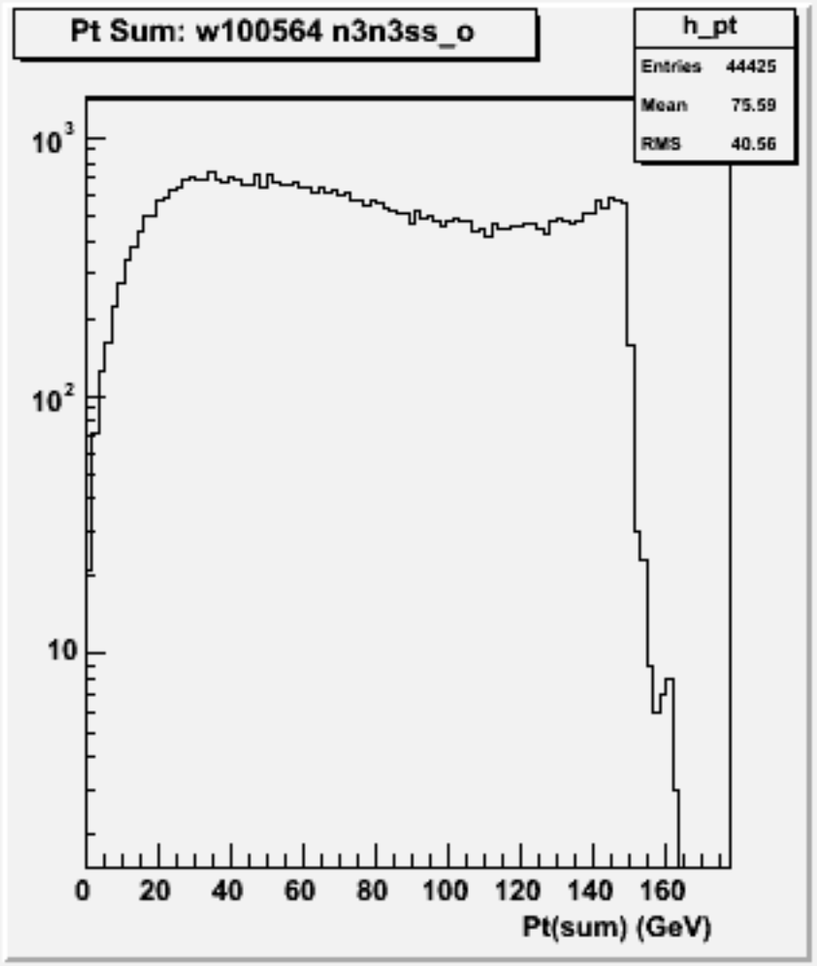

Start point R : w100564 n3n3ss_o
h_vr
Entries 2023062
Mean 52.09
RMS 381.5
Start point Radius

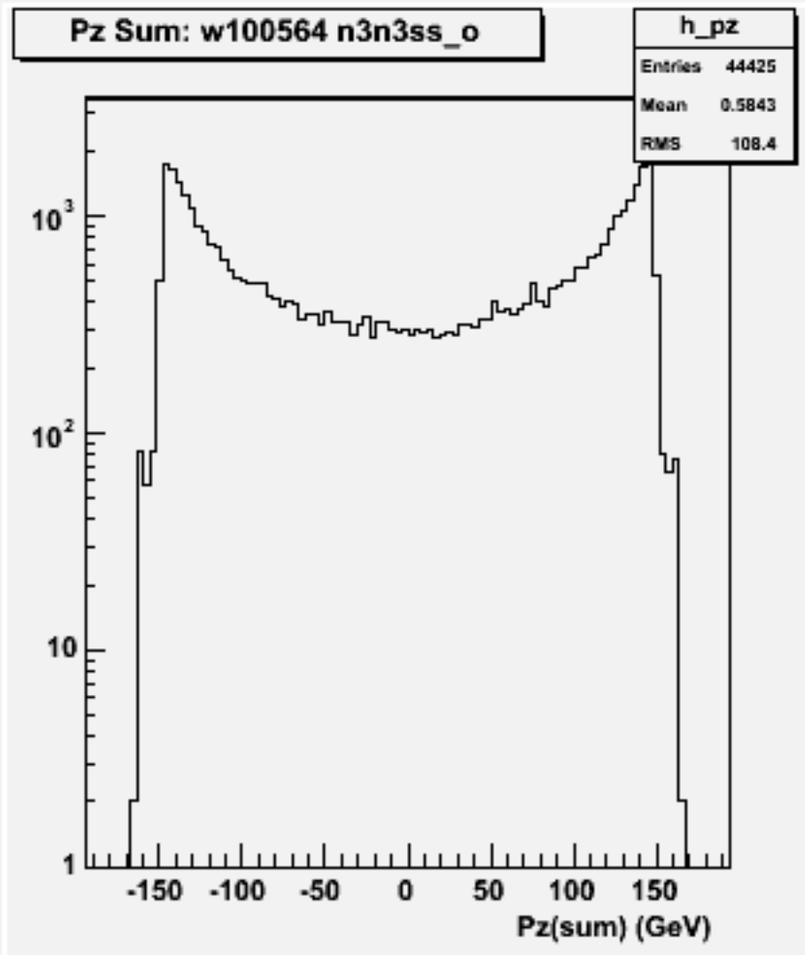

Start point Z : w100564 n3n3ss_o
h_vz
Entries 2023062
Mean 1.346
RMS 414.9
Start point

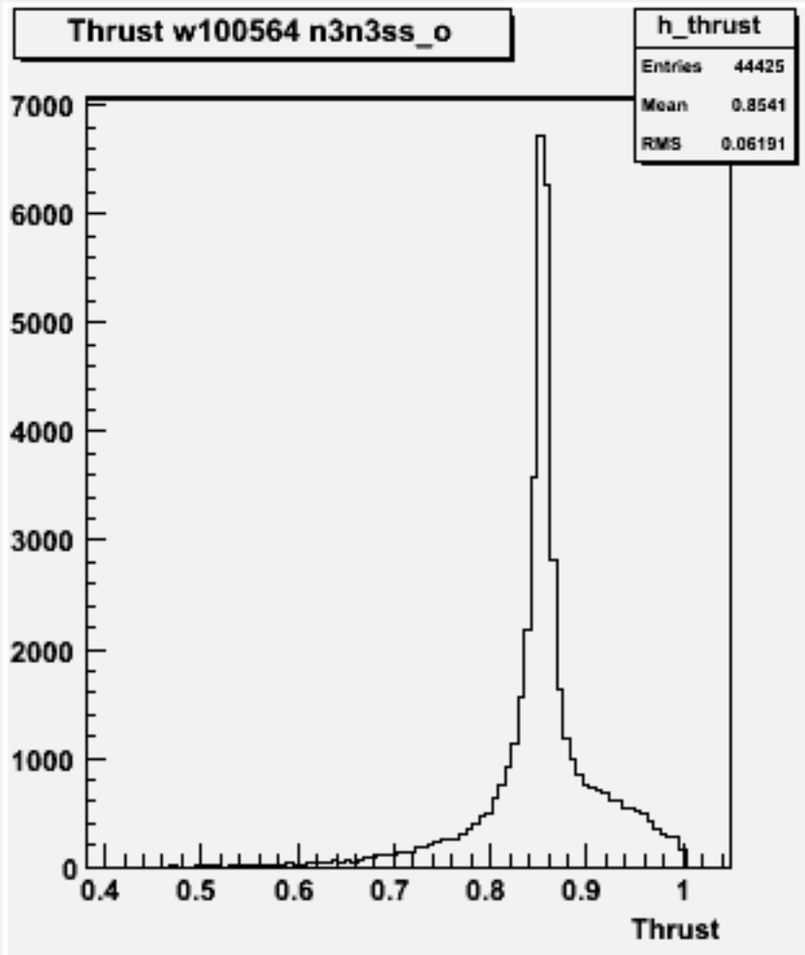

Total Energy (inc. ν): w100564 n3n3ss_o
h_etot
Entries 44425
Mean 346.9
RMS 7.191
Total Energy(GeV)

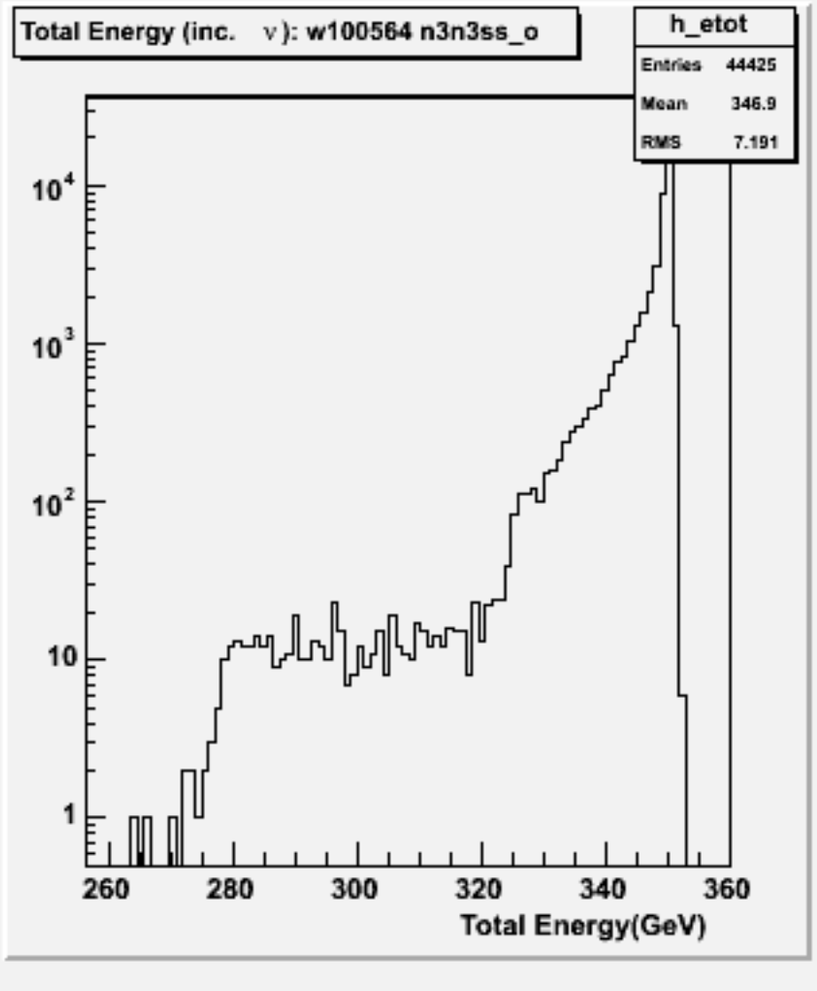

Total Energy (inc. ν): w100564 n3n3ss_o
h_etotc
Entries 40418
Mean 348.6
RMS 2.332
Total Energy(GeV)

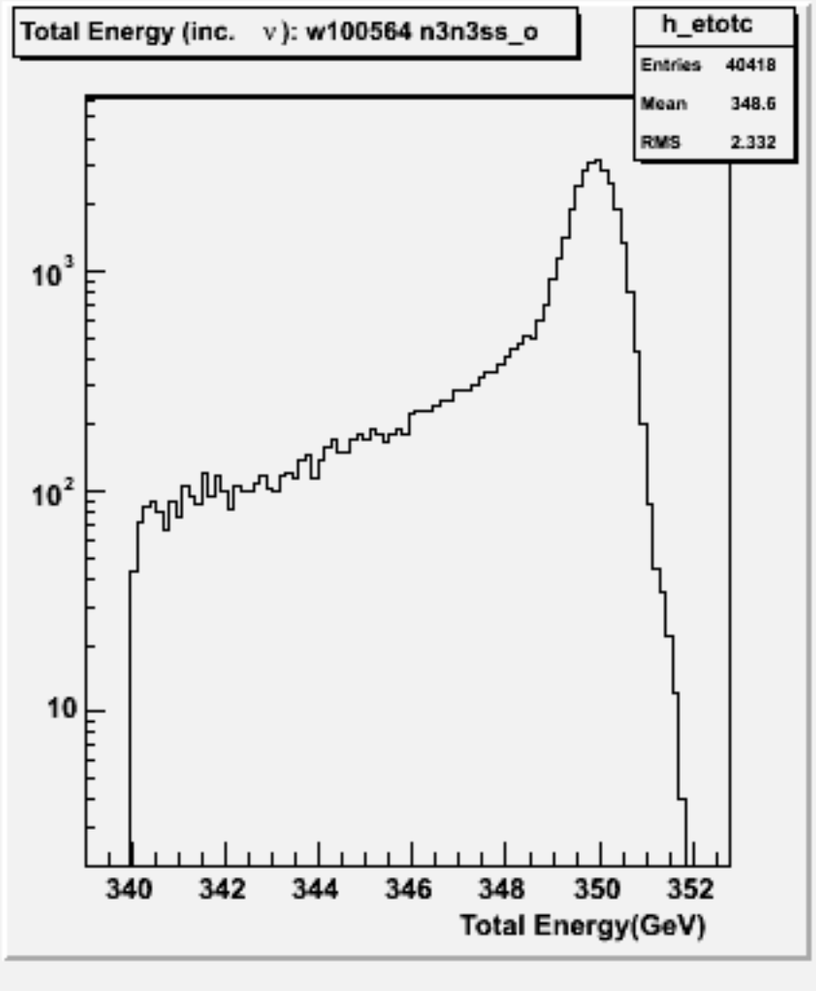

Total Energy (w/o ν): w100564 n3n3ss_o
h_evis
Entries 44425
Mean 179.9
RMS 18.21
Energy(GeV)

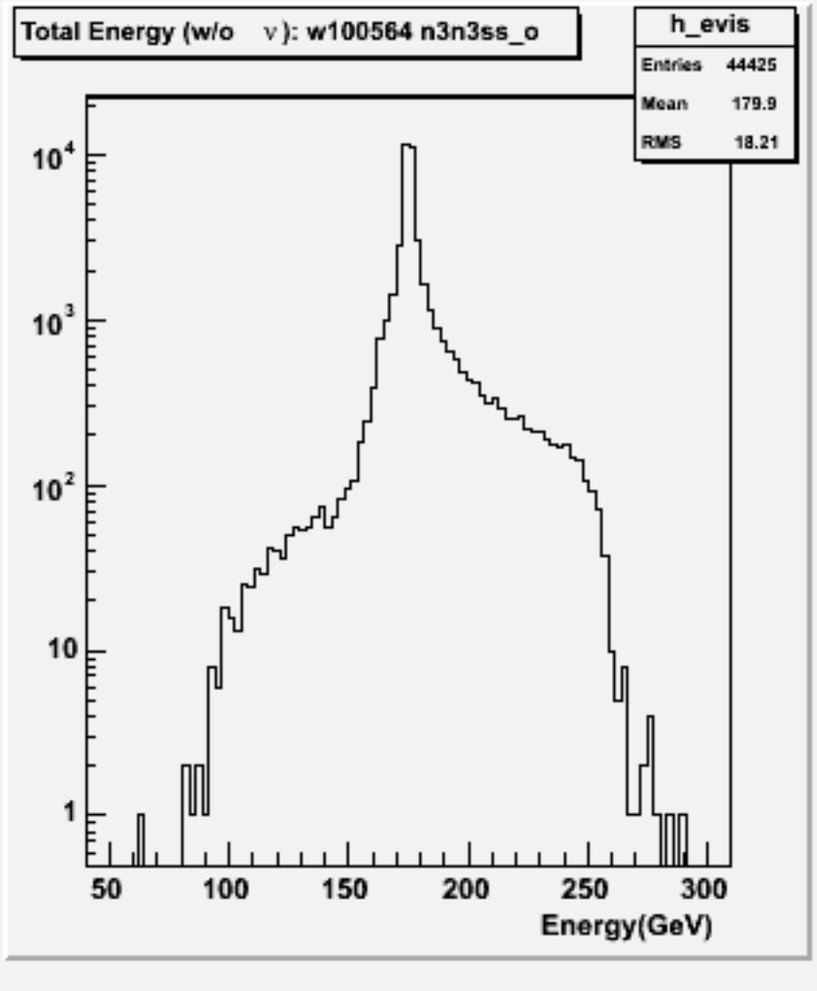

Pt Sum: w100564 n3n3ss_o
h_pt
Entries 44425
Mean 75.59
RMS 40.56
Pt(sum) (GeV)

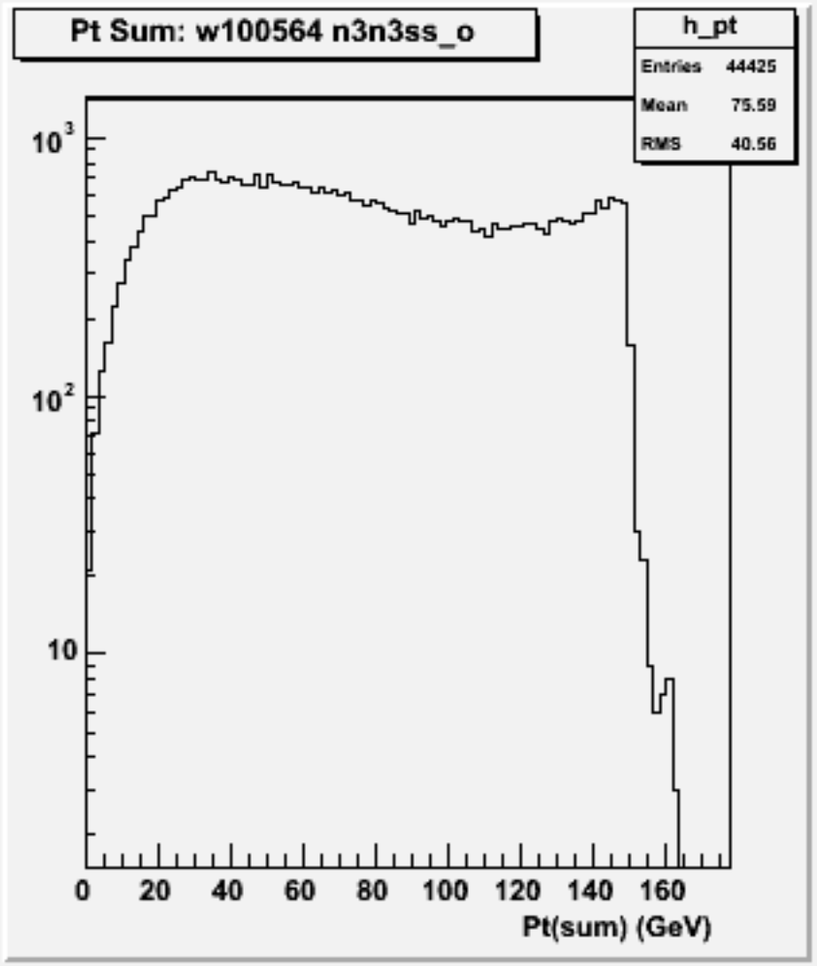

Pz Sum: w100564 n3n3ss_o
h_pz
Entries 44425
Mean 0.5843
RMS 108.4
Pz(sum) (GeV)

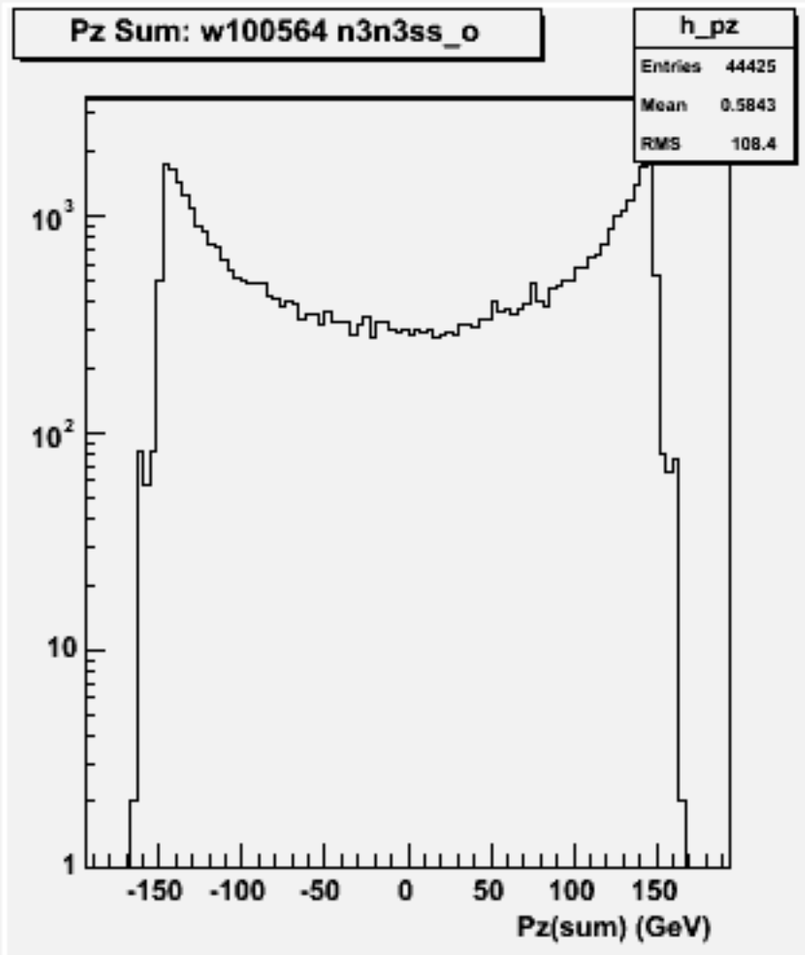

Thrust w100564 n3n3ss_o
h_thrust
Entries 44425
Mean 0.8541
RMS 0.06191
Thrust

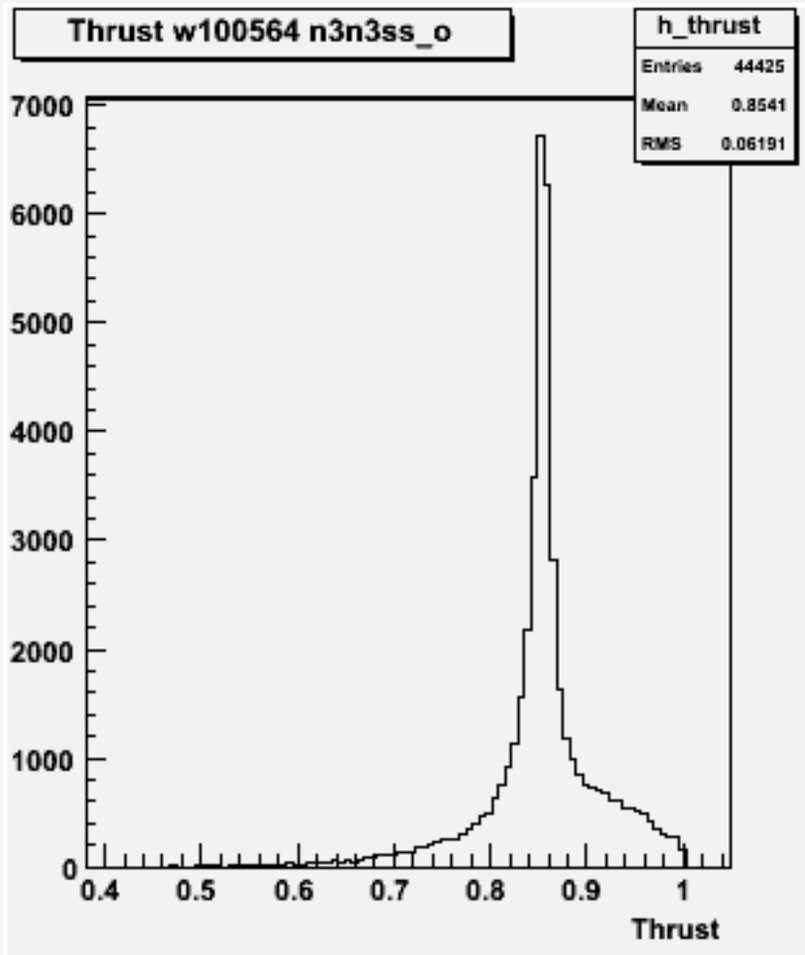

Total Energy (inc. ν): w100564 n3n3ss_o
h_etot
Entries 44425
Mean 346.9
RMS 7.191
Total Energy(GeV)

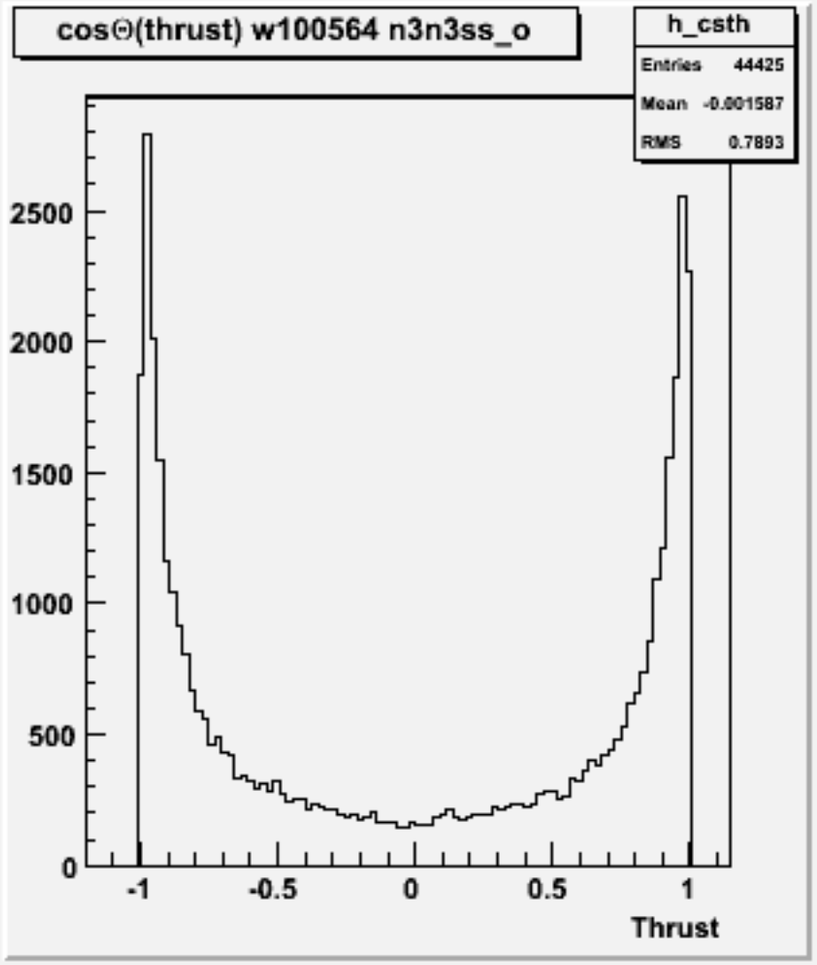

Total Energy (inc. ν): w100564 n3n3ss_o
h_etotc
Entries 40418
Mean 348.6
RMS 2.332
Total Energy(GeV)

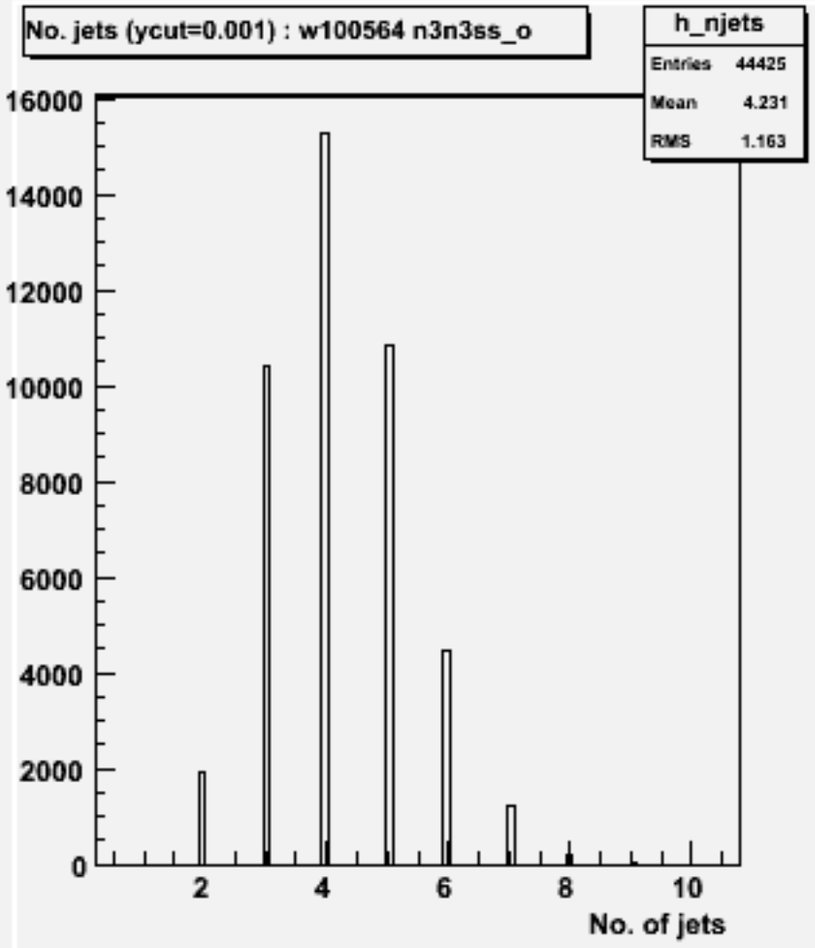

Total Energy (w/o ν): w100564 n3n3ss_o
h_evis
Entries 44425
Mean 179.9
RMS 18.21
Energy(GeV)

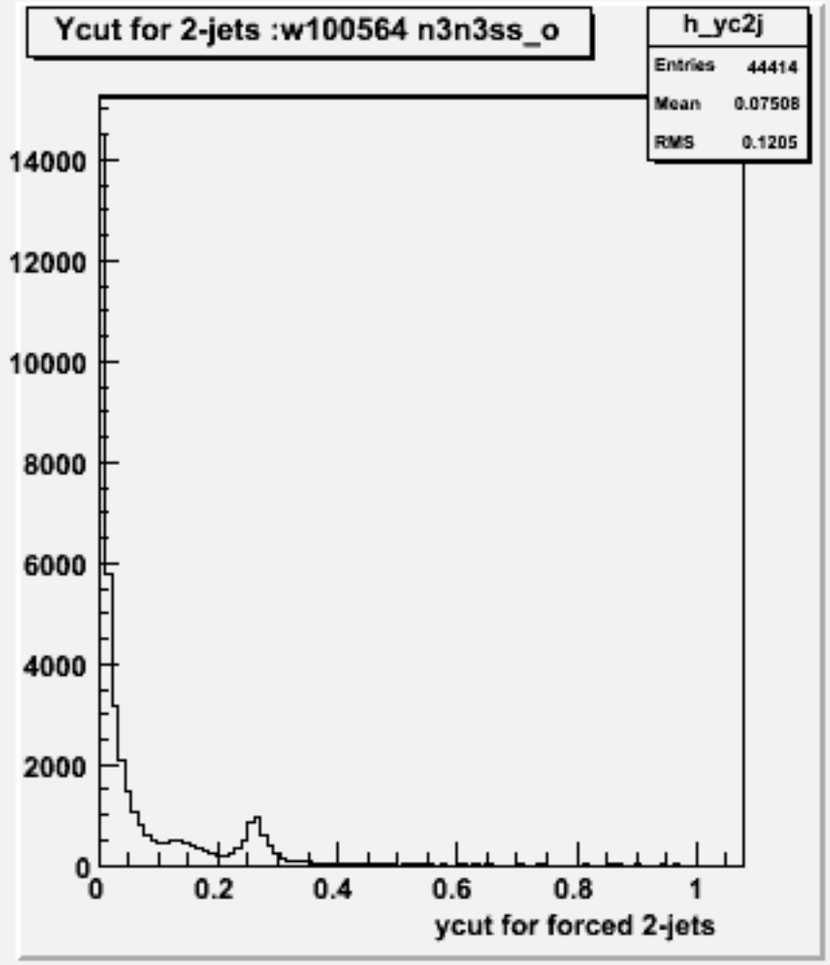

Pt Sum: w100564 n3n3ss_o
h_pt
Entries 44425
Mean 75.59
RMS 40.56
Pt(sum) (GeV)

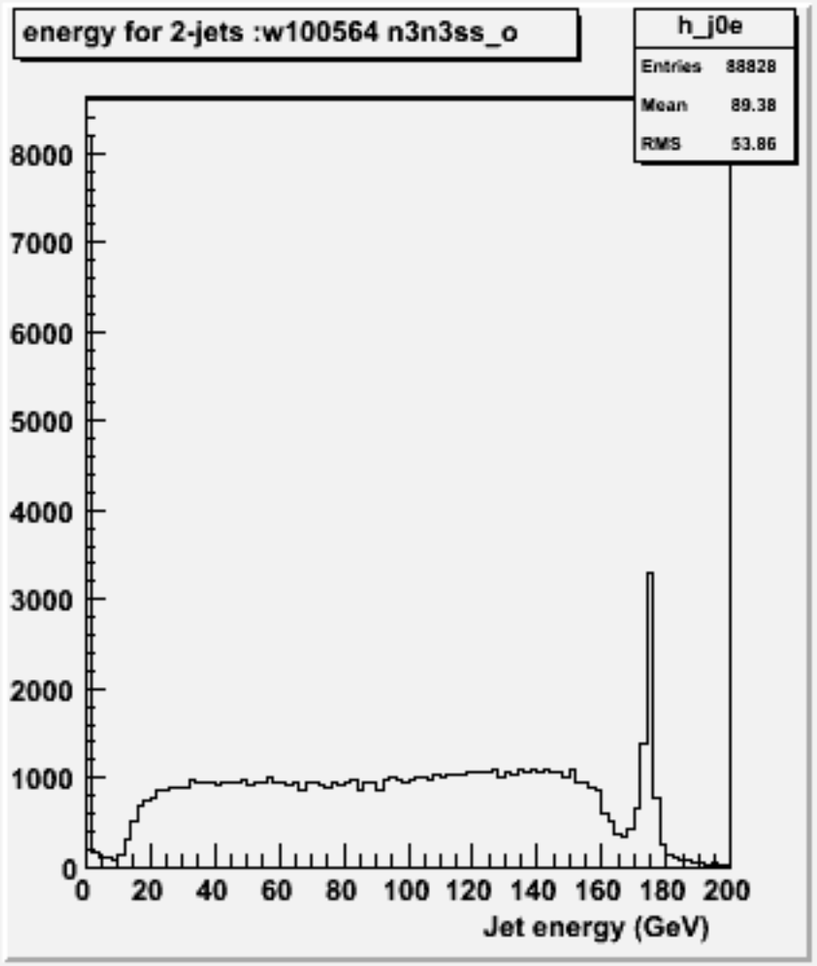

Pz Sum: w100564 n3n3ss_o
h_pz
Entries 44425
Mean 0.5843
RMS 108.4
Pz(sum) (GeV)

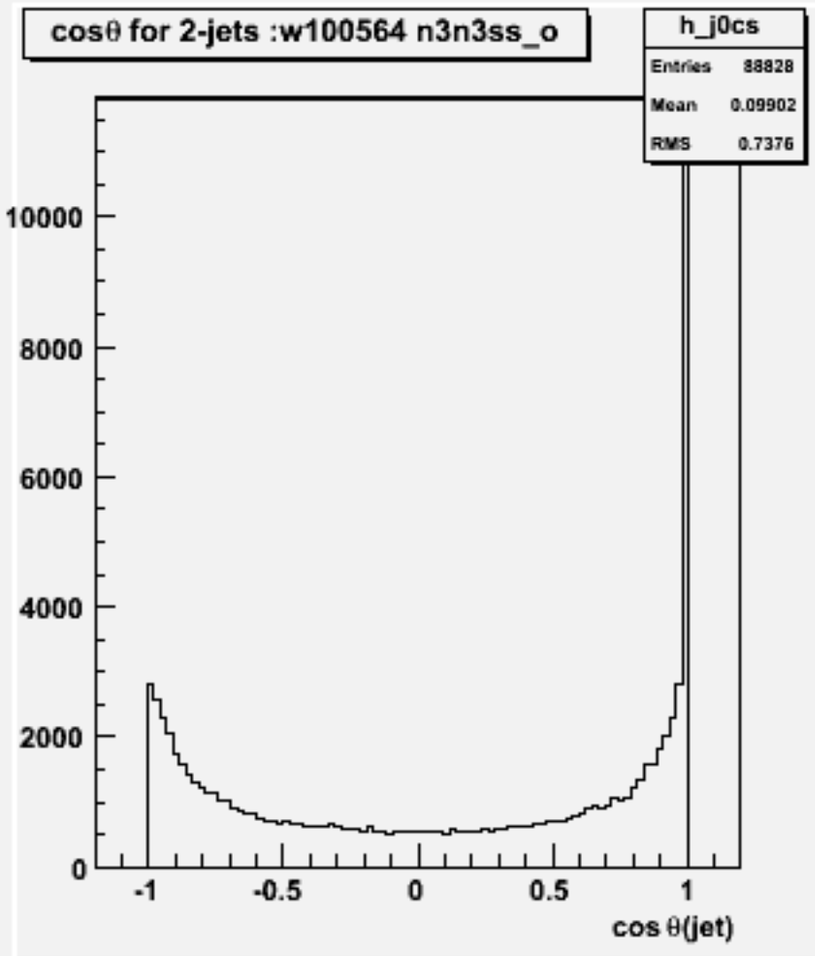

Thrust w100564 n3n3ss_o
h_thrust
Entries 44425
Mean 0.8541
RMS 0.06191
Thrust

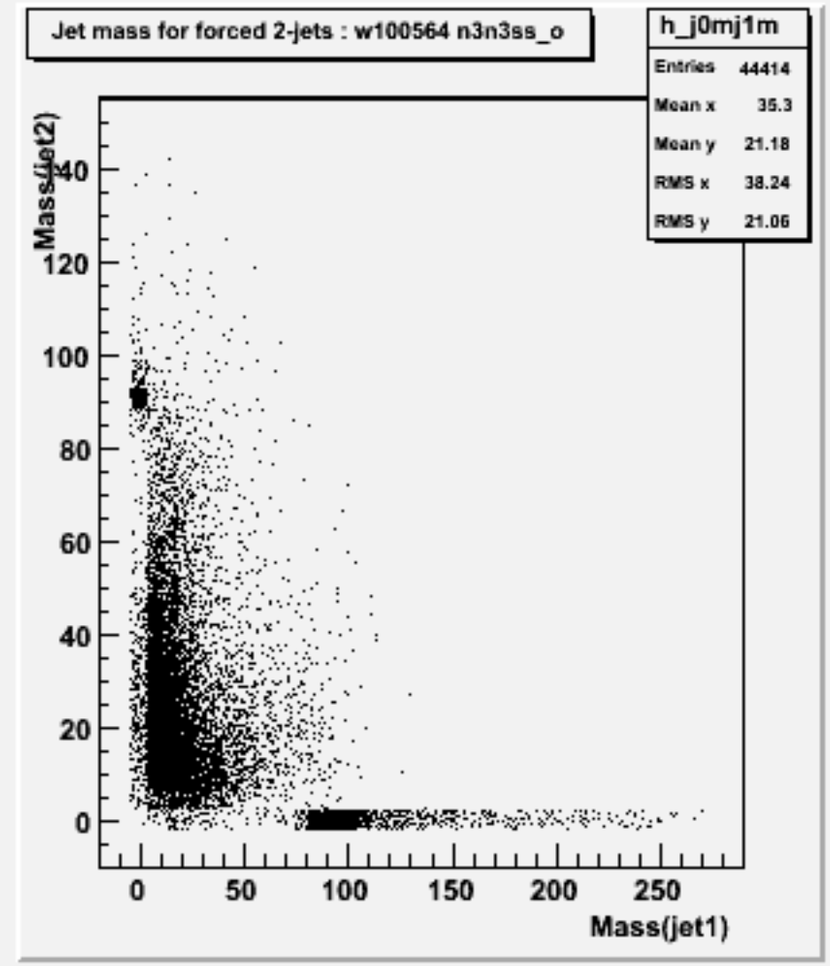

cosΘ(thrust) w100564 n3n3ss_o
h_csth
Entries 44425
Mean -0.001587
RMS 0.7893
Thrust

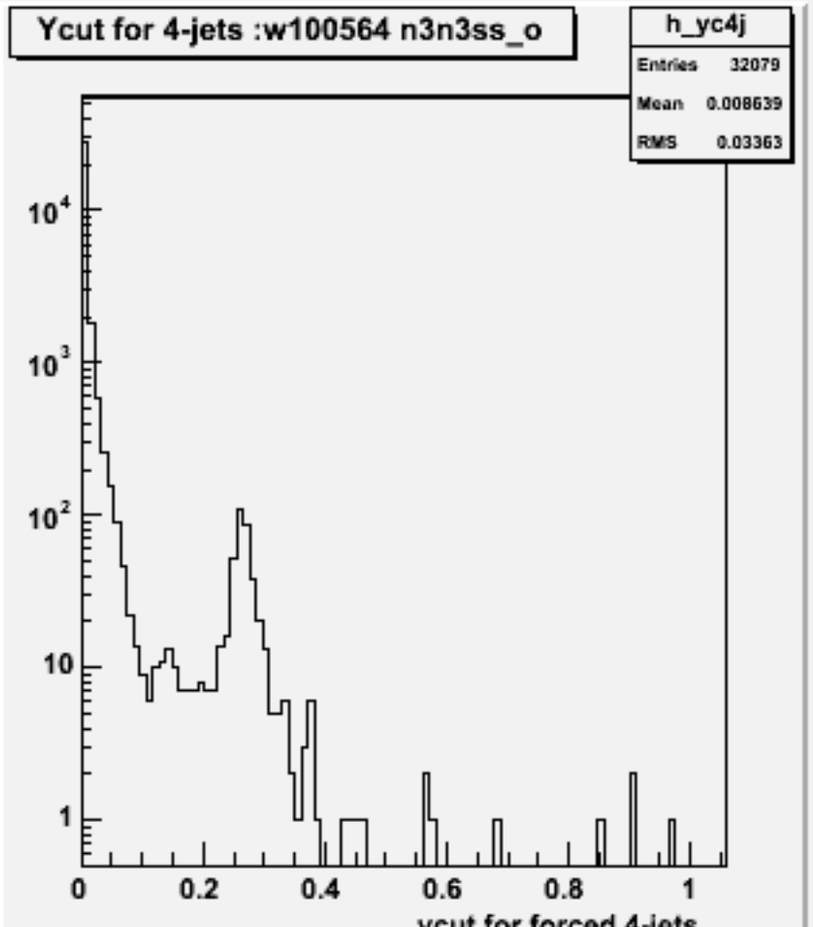

No. jets (ycut=0.001) : w100564 n3n3ss_o
h_njets
Entries 44425
Mean 4.231
RMS 1.163
No. of jets

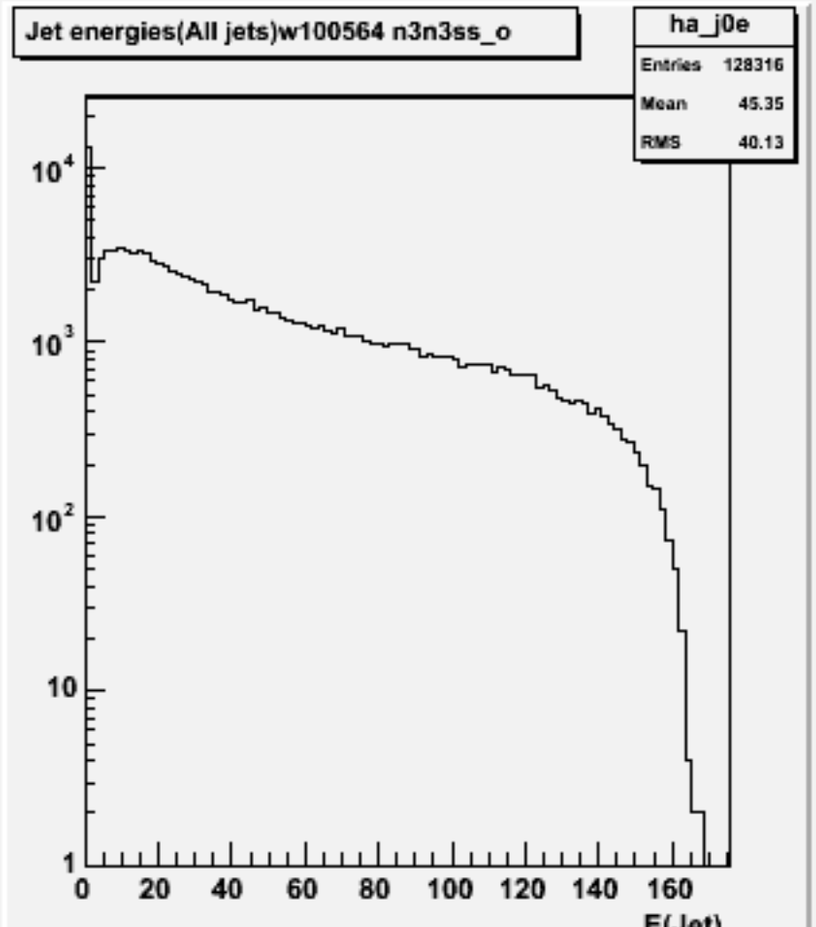

Ycut for 2-jets :w100564 n3n3ss_o
h_yc2j
Entries 44414
Mean 0.07508
RMS 0.1205
ycut for forced 2-jets

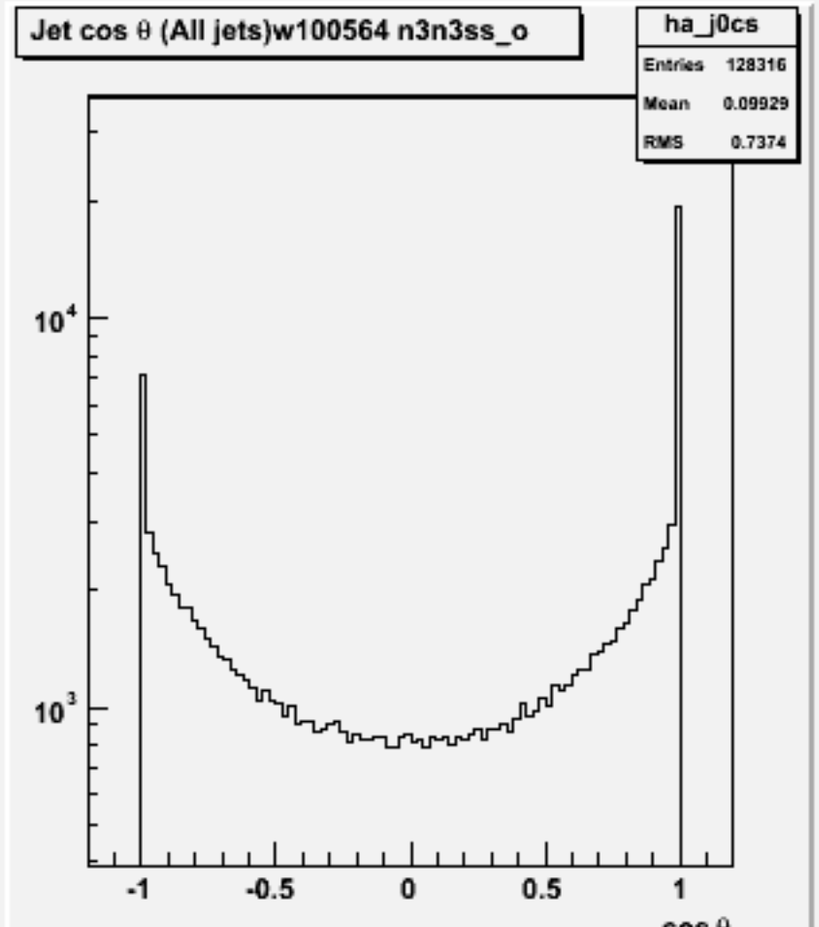

energy for 2-jets :w100564 n3n3ss_o
h_j0e
Entries 88828
Mean 89.38
RMS 53.86
Jet energy (GeV)

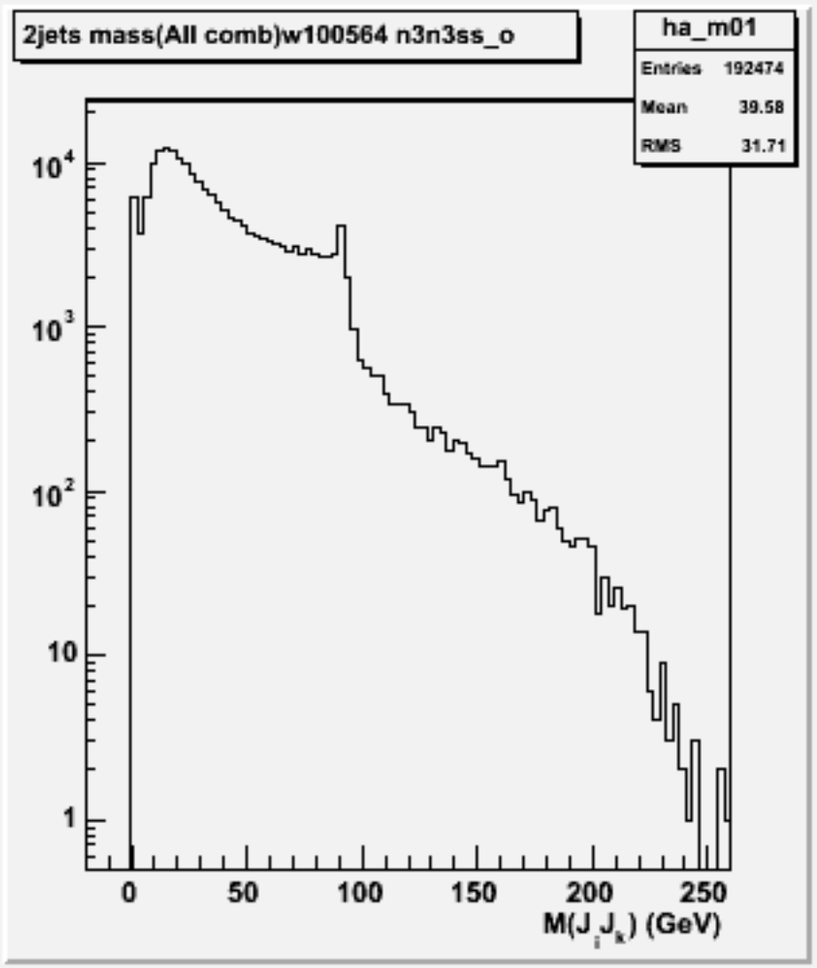

cosθ for 2-jets :w100564 n3n3ss_o
h_j0cs
Entries 88828
Mean 0.09902
RMS 0.7376
cos θ(jet)

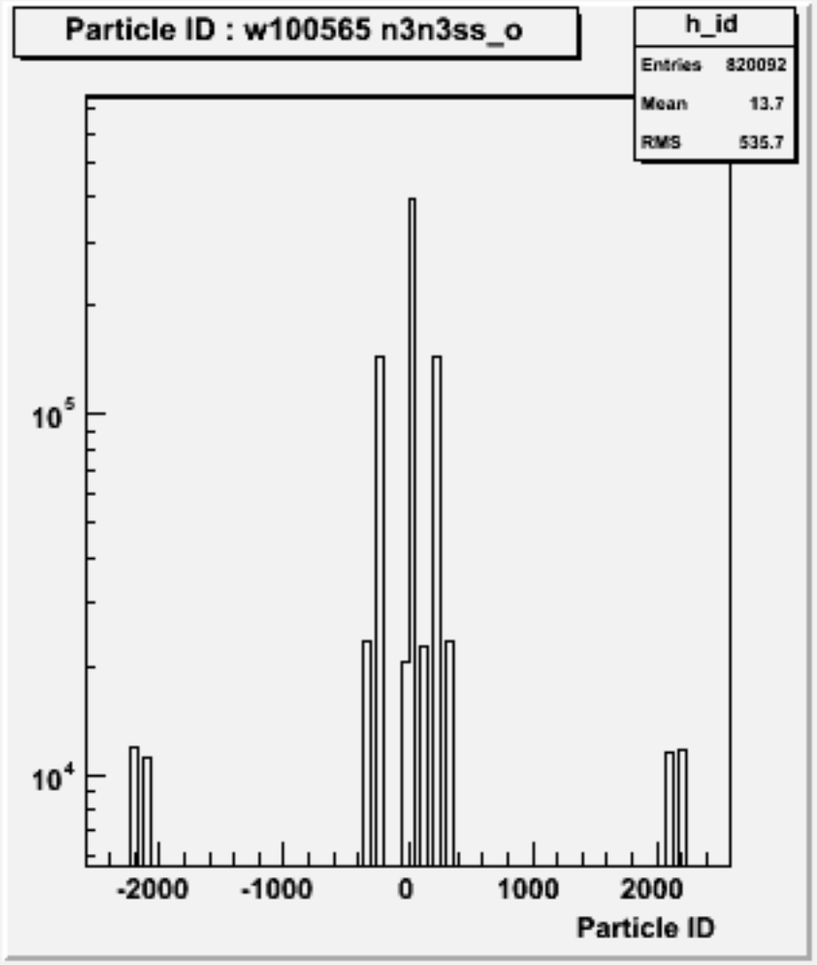

Jet mass for forced 2-jets : w100564 n3n3ss_o
h_j0mj1m
Entries 44414
Mean x 35.3
Mean y 21.18
RMS x 38.24
RMS y 21.06
Mass(jet2)
Mass(jet1)

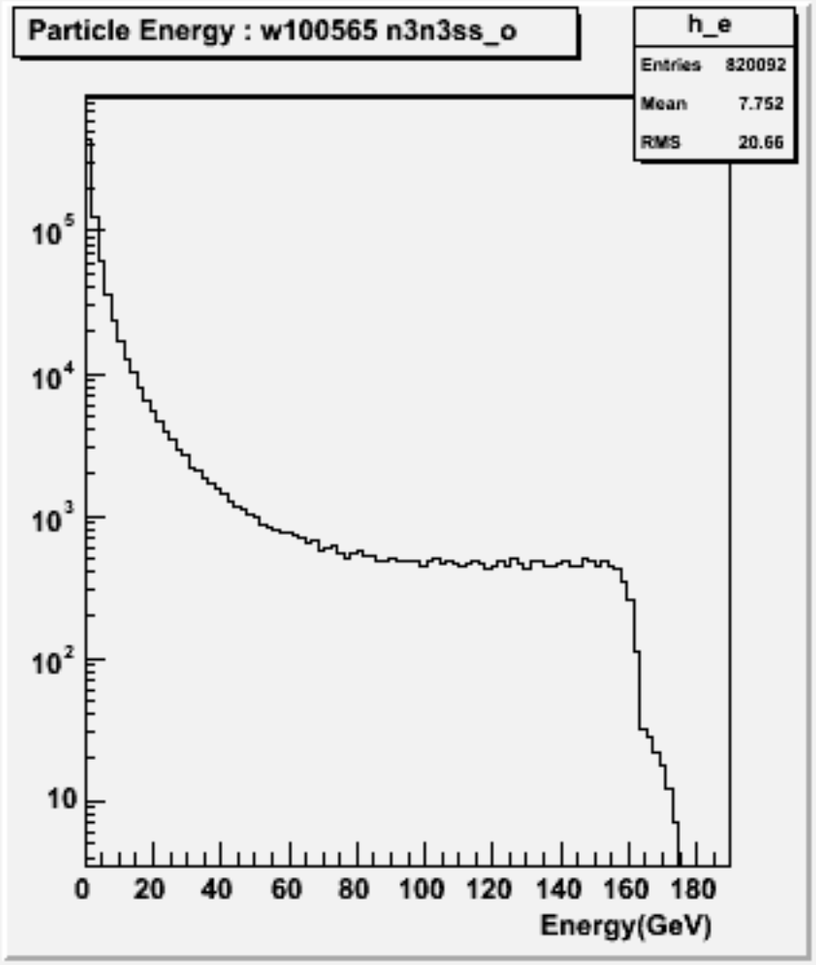

Ycut for 4-jets :w100564 n3n3ss_o
h_yc4j
Entries 32079
Mean 0.008639
RMS 0.03363
ycut for forced 4-jets

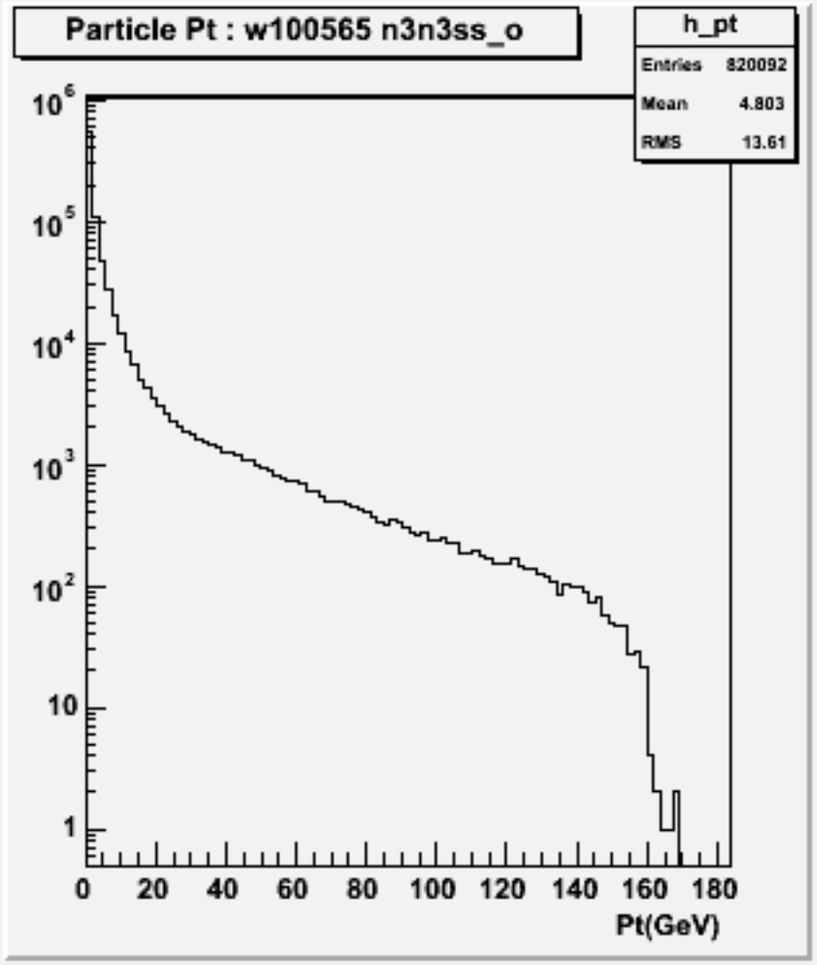

Jet energies(All jets)w100564 n3n3ss_o
ha_j0e
Entries 128316
Mean 45.35
RMS 40.13
E(Jet)

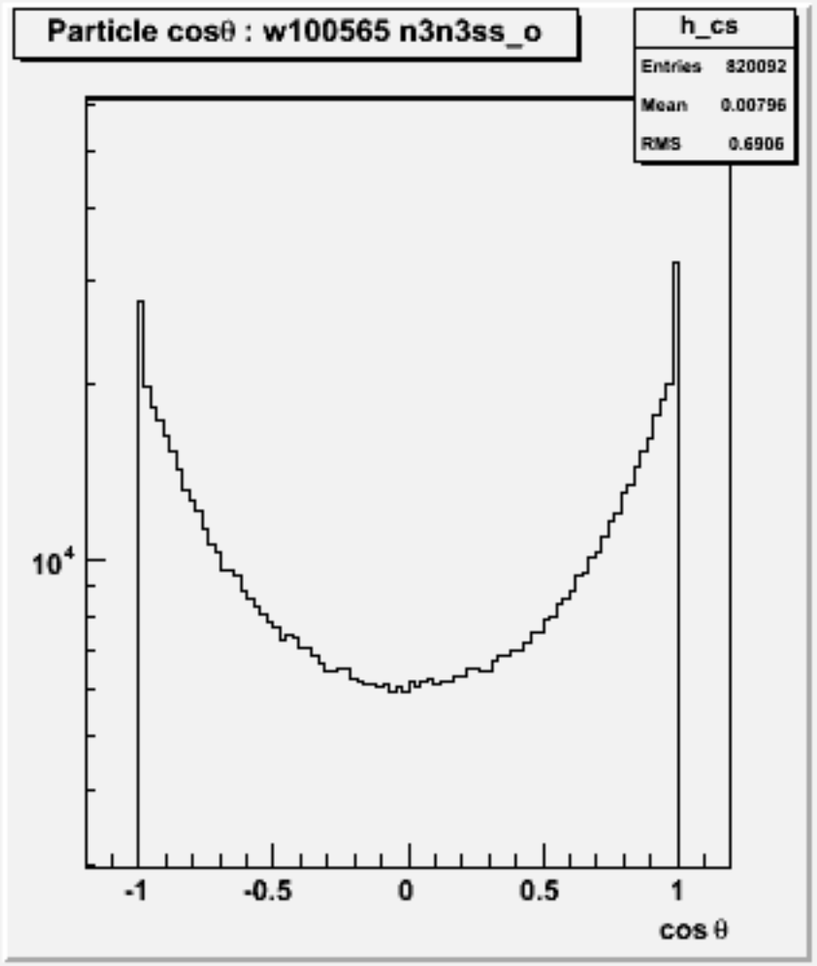

Jet cos θ (All jets)w100564 n3n3ss_o
ha_j0cs
Entries 128316
Mean 0.09929
RMS 0.7374
cos θ

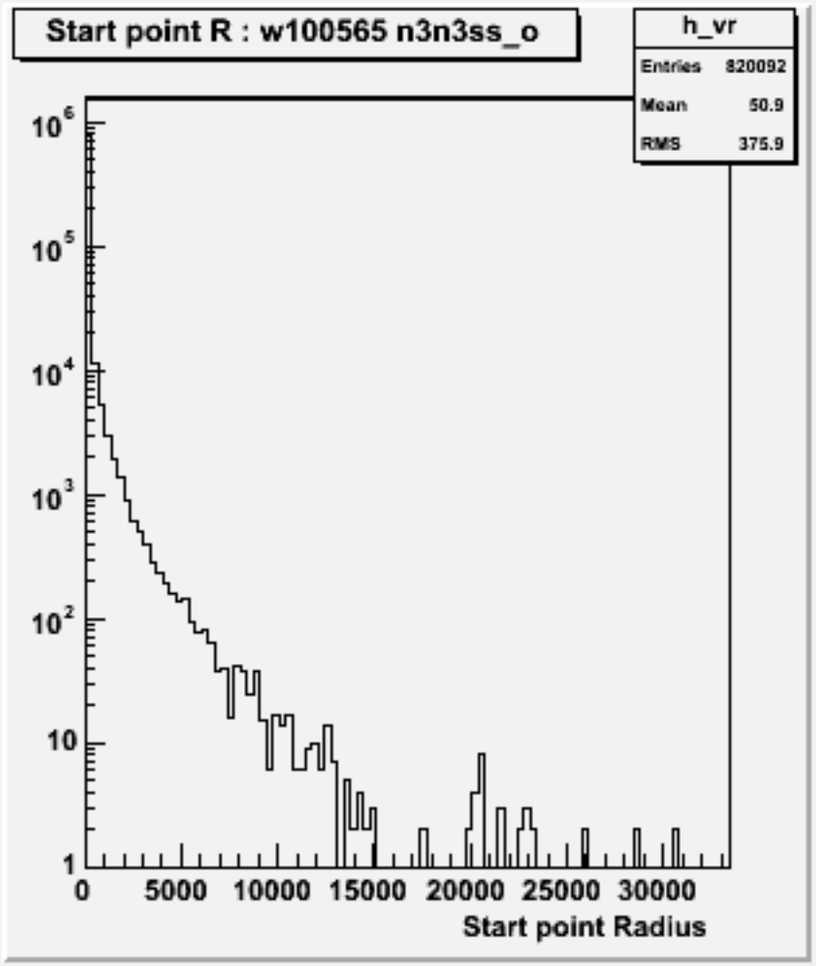

2jets mass(All comb)w100564 n3n3ss_o
ha_m01
Entries 192474
Mean 39.58
RMS 31.71
M(J_iJ_k) (GeV)

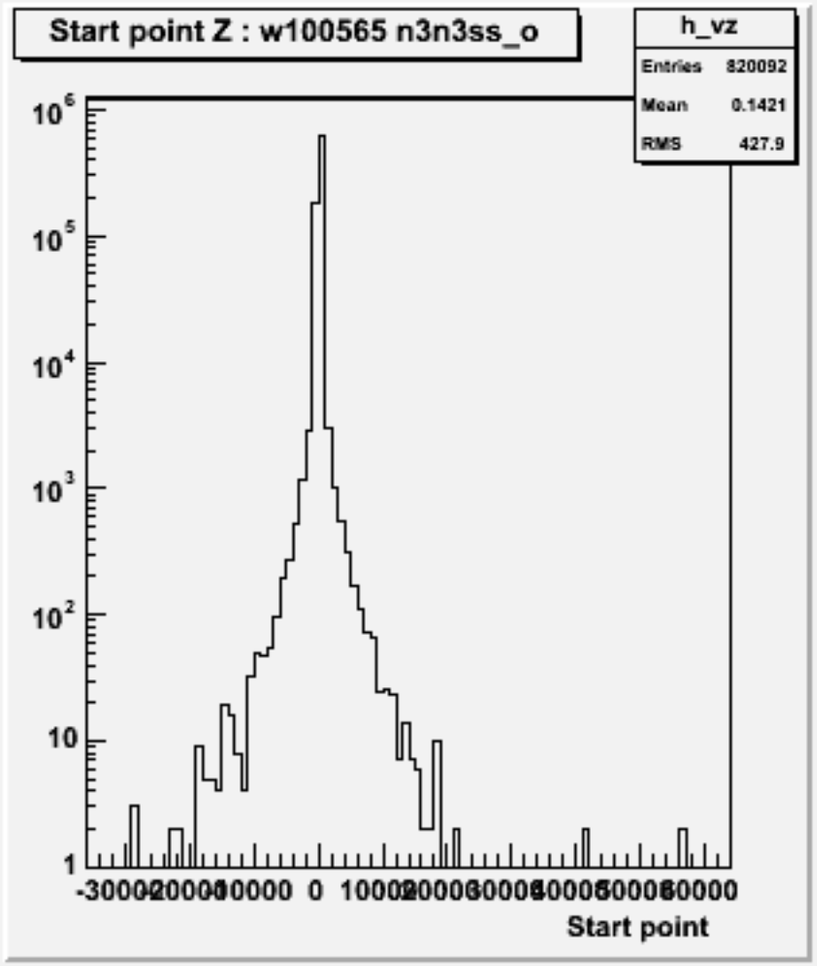

Particle ID : w100565 n3n3ss_o
h_id
Entries 820092
Mean 13.7
RMS 535.7
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

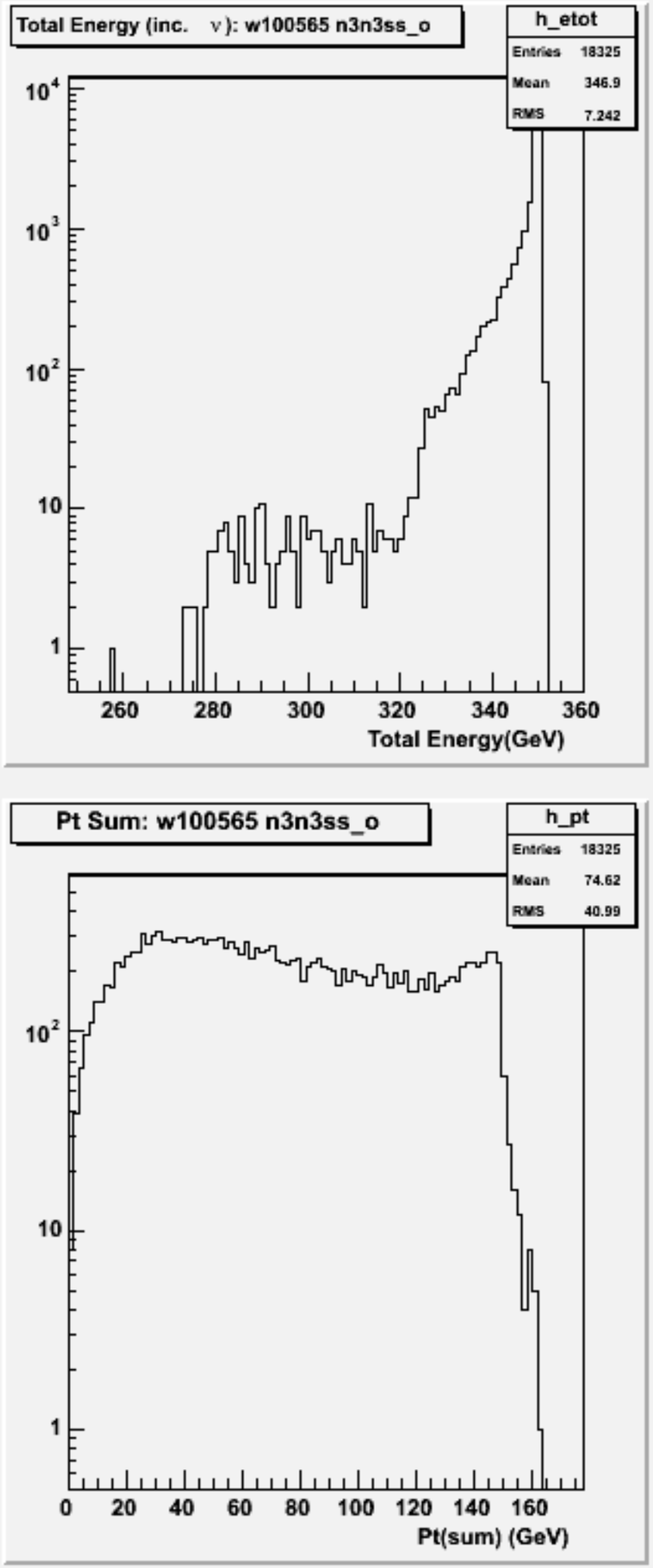

Particle Energy : w100565 n3n3ss_o
h_e
Entries 820092
Mean 7.752
RMS 20.66
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

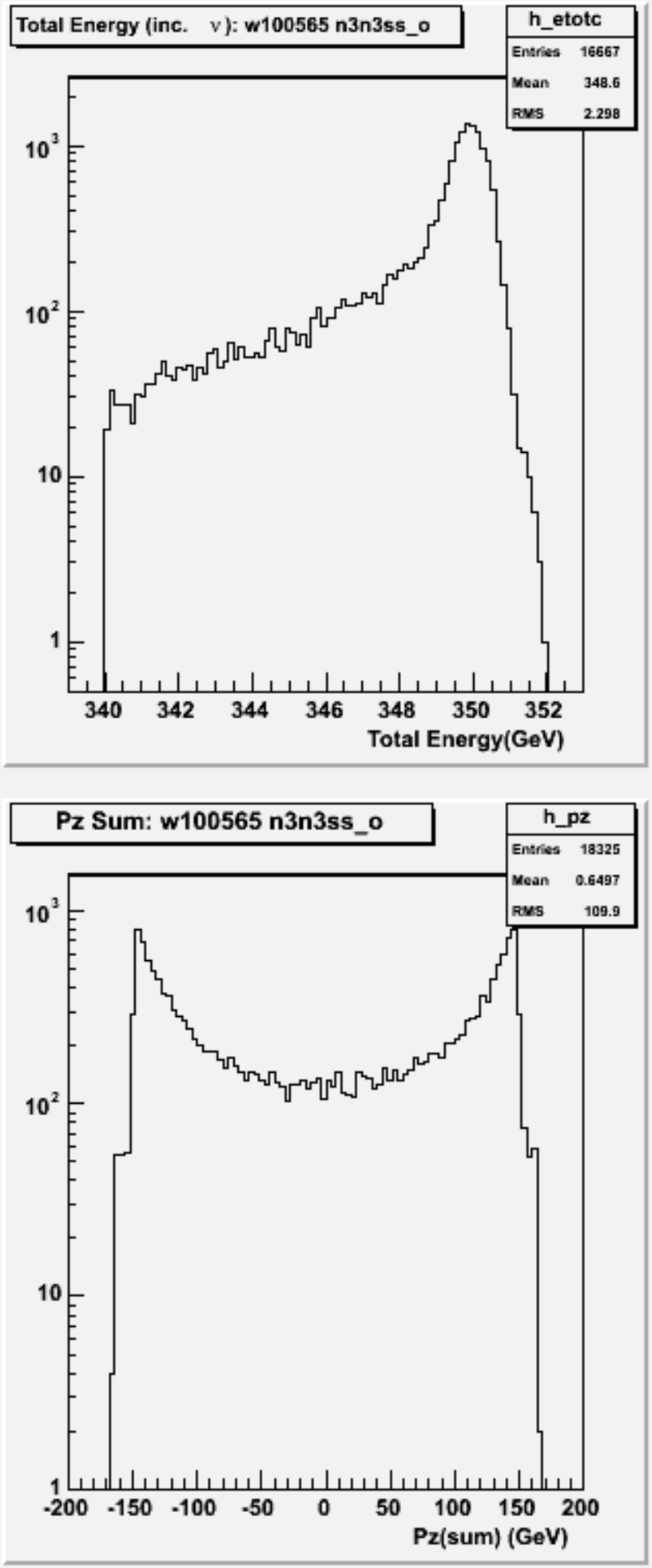

Particle Pt : w100565 n3n3ss_o
h_pt
Entries 820092
Mean 4.803
RMS 13.61
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

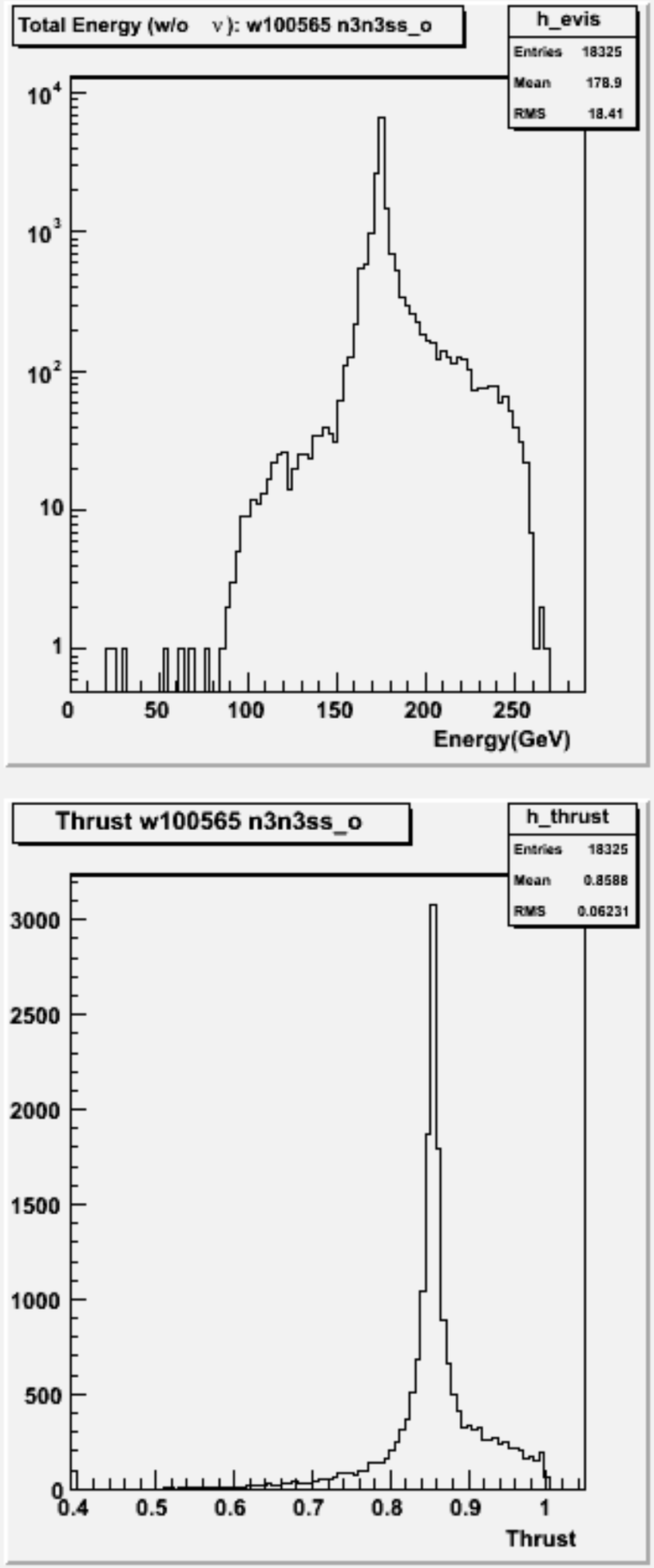

Particle cosθ : w100565 n3n3ss_o
h_cs
Entries 820092
Mean 0.00796
RMS 0.6906
10^4
-1
-0.5
0
0.5
1
cos θ


Start point R : w100565 n3n3ss_o
h_vr
Entries 820092
Mean 50.9
RMS 375.9
10^6
10^5
10^4
10^3
10^2
10
1
0 5000 10000 15000 20000 25000 30000
Start point Radius


Start point Z : w100565 n3n3ss_o
h_vz
Entries 820092
Mean 0.1421
RMS 427.9
10^6
10^5
10^4
10^3
10^2
10
1
Start point


Total Energy (inc. ν): w100565 n3n3ss_o
h_etot
Entries 18325
Mean 346.9
RMS 7.242
Total Energy(GeV)

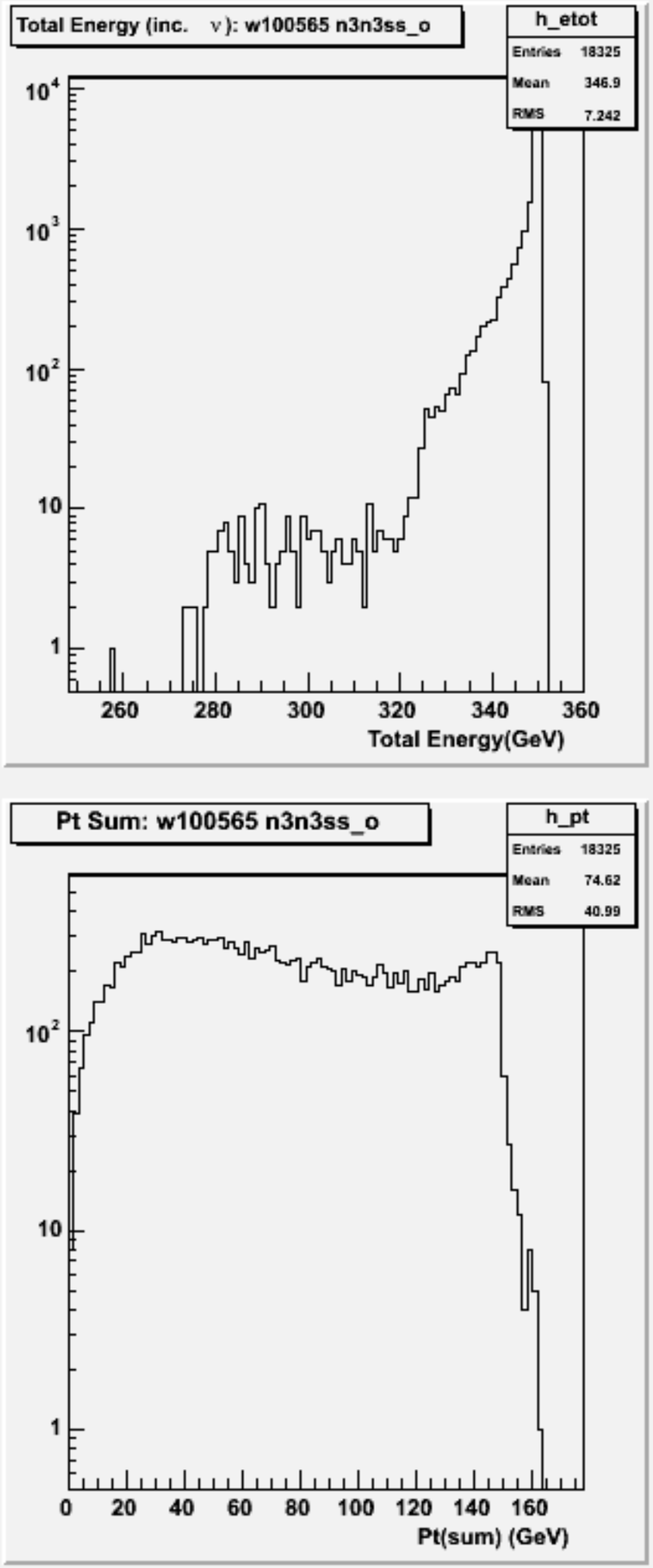

Total Energy (inc. ν): w100565 n3n3ss_o
h_etotc
Entries 16667
Mean 348.6
RMS 2.298
Total Energy(GeV)

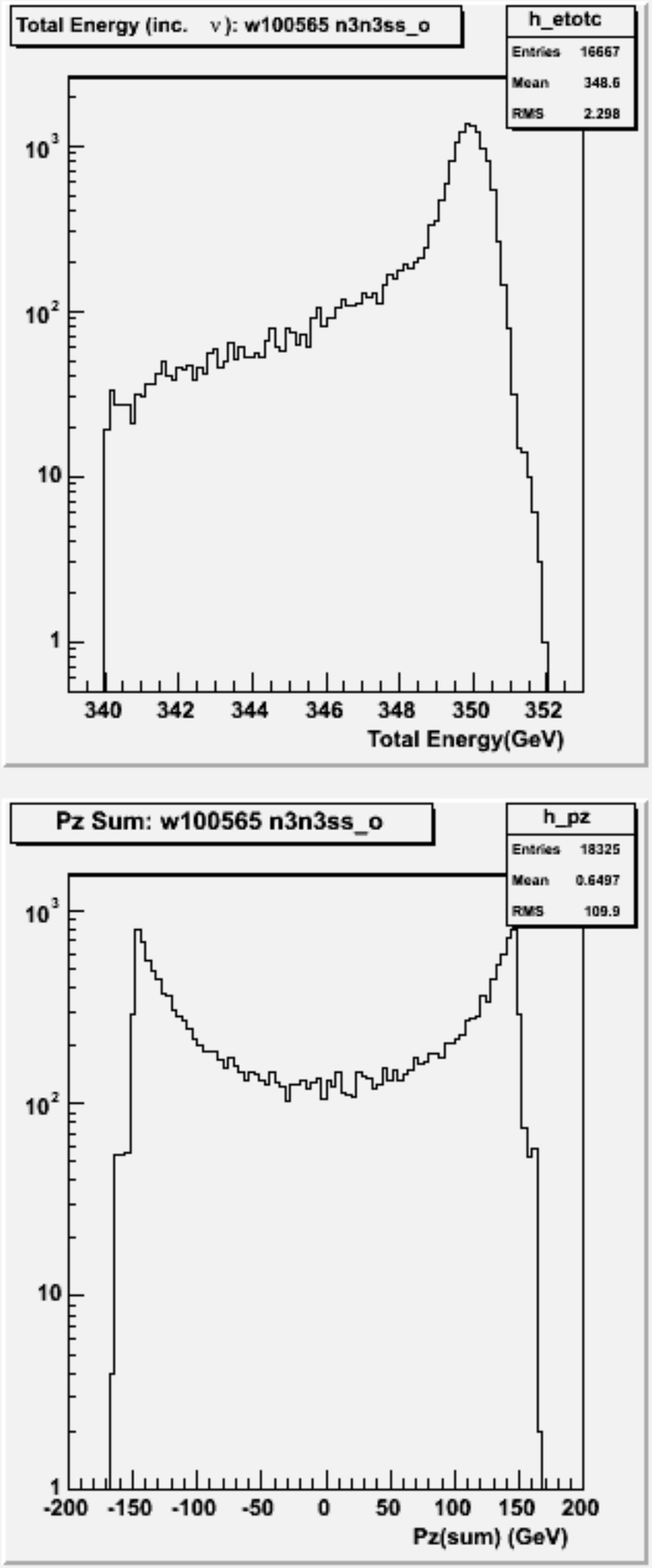

Total Energy (w/o ν): w100565 n3n3ss_o
h_evis
Entries 18325
Mean 178.9
RMS 18.41
Energy(GeV)

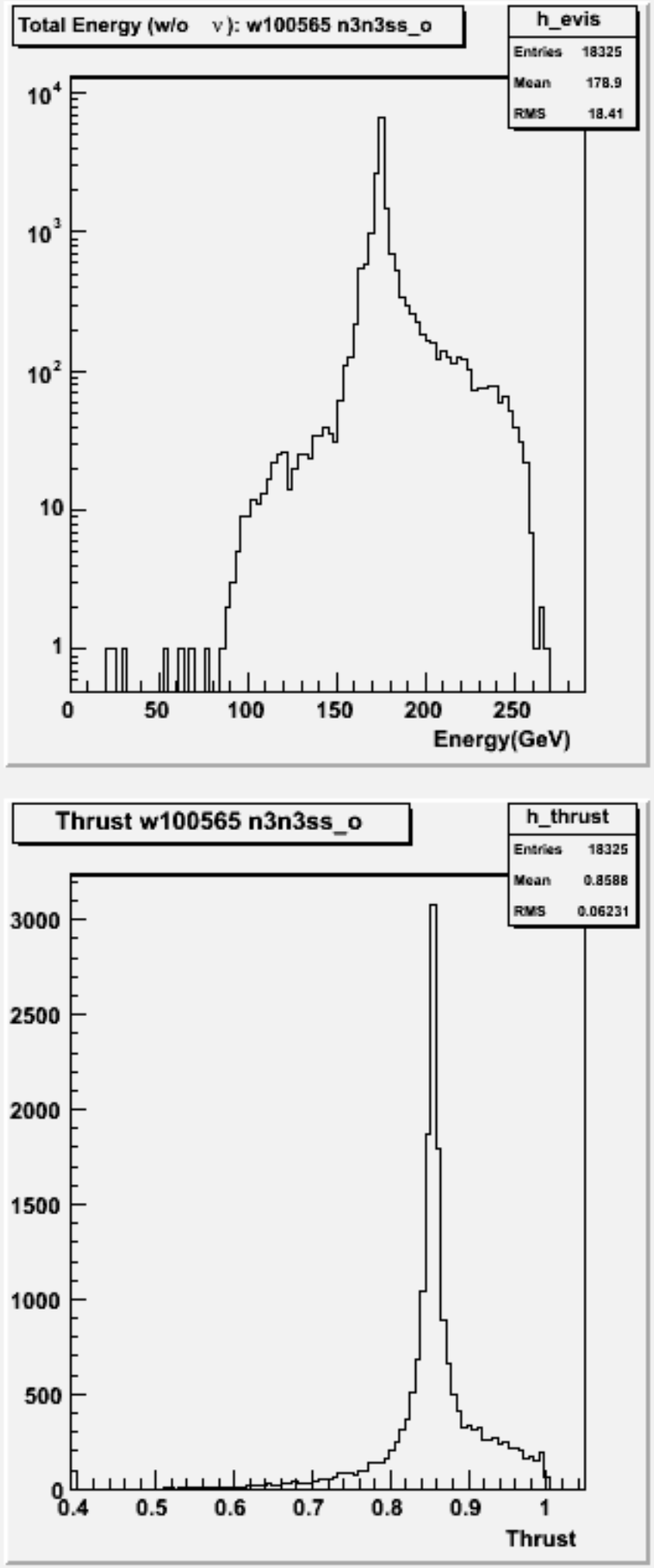
Pt Sum: w100565 n3n3ss_o
h_pt
Entries 18325
Mean 74.62
RMS 40.99
Pt(sum) (GeV)

Pz Sum: w100565 n3n3ss_o
h_pz
Entries 18325
Mean 0.6497
RMS 109.9
Pz(sum) (GeV)

Thrust w100565 n3n3ss_o
h_thrust
Entries 18325
Mean 0.8588
RMS 0.06231
Thrust


Total Energy (inc. ν): w100565 n3n3ss_o
h_etot
Entries 18325
Mean 346.9
RMS 7.242
Total Energy(GeV)

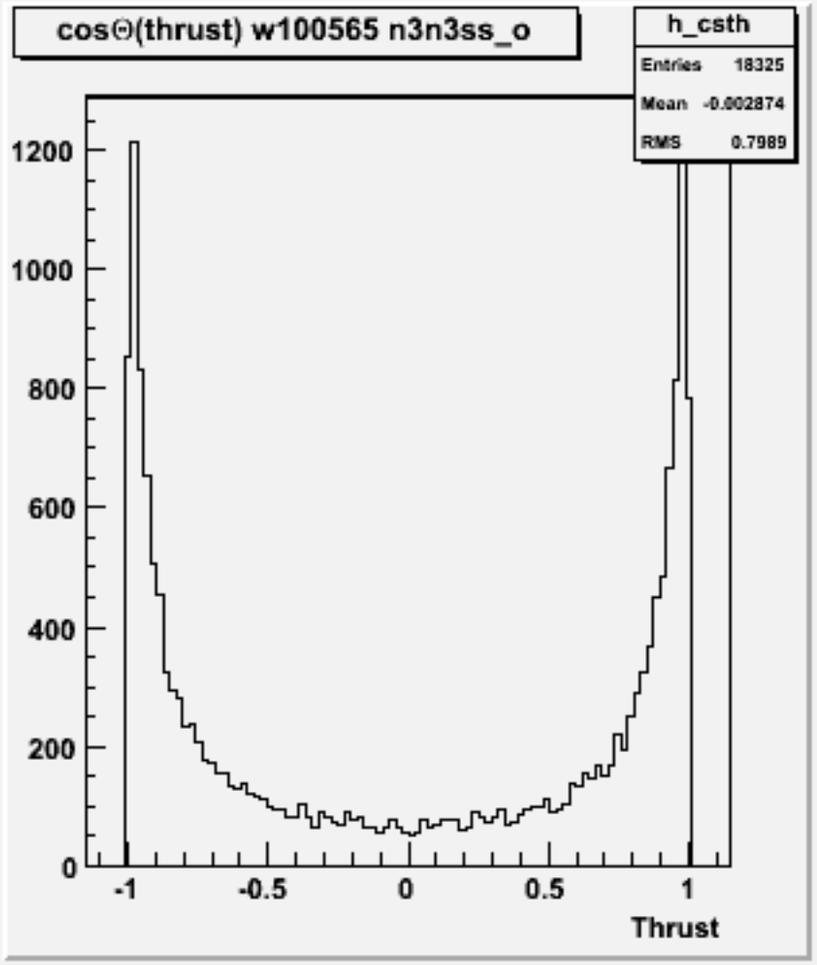

Total Energy (inc. ν): w100565 n3n3ss_o
h_etotc
Entries 16667
Mean 348.6
RMS 2.298
Total Energy(GeV)

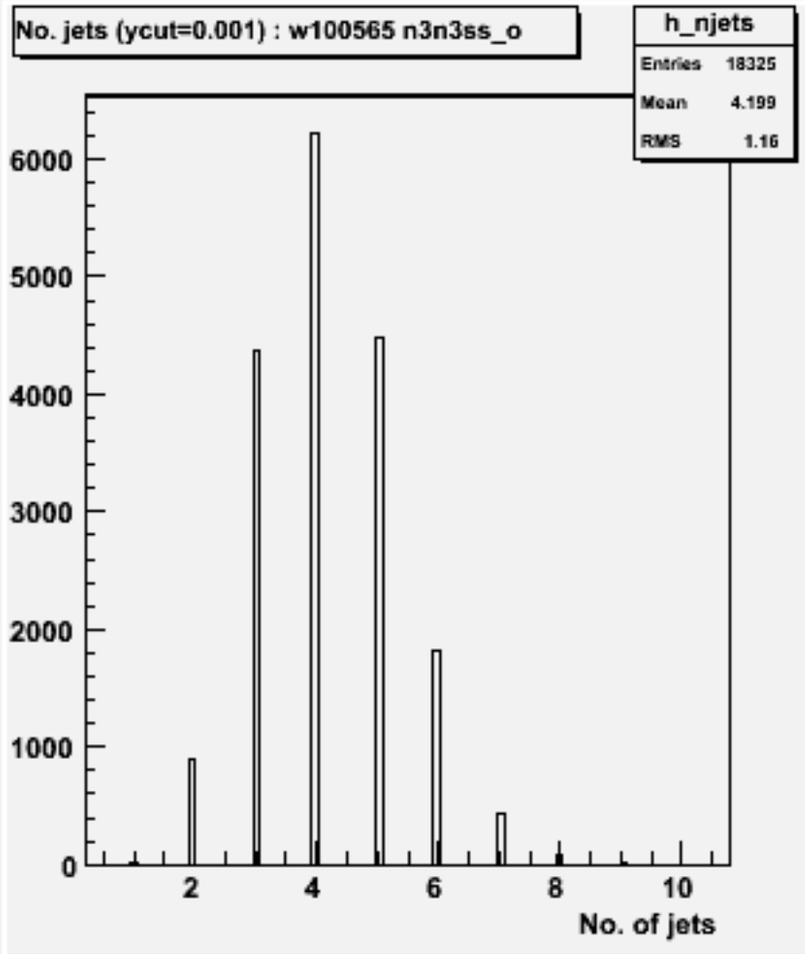

Total Energy (w/o ν): w100565 n3n3ss_o
h_evis
Entries 18325
Mean 178.9
RMS 18.41
Energy(GeV)

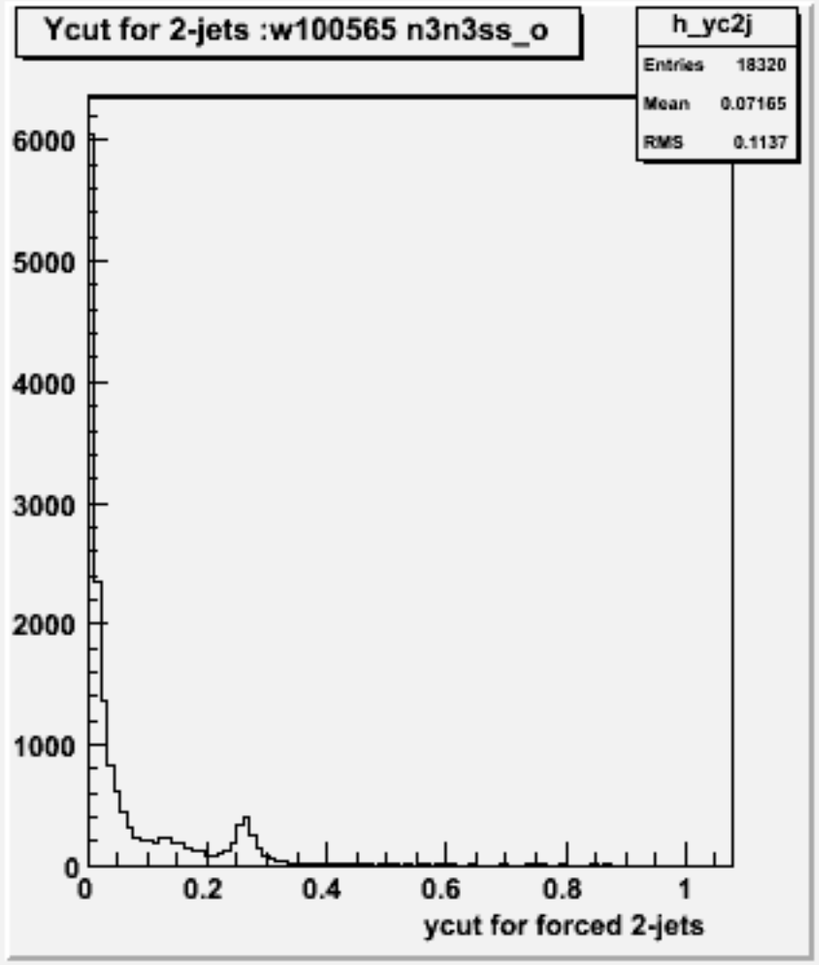
Pt Sum: w100565 n3n3ss_o
h_pt
Entries 18325
Mean 74.62
RMS 40.99
Pt(sum) (GeV)

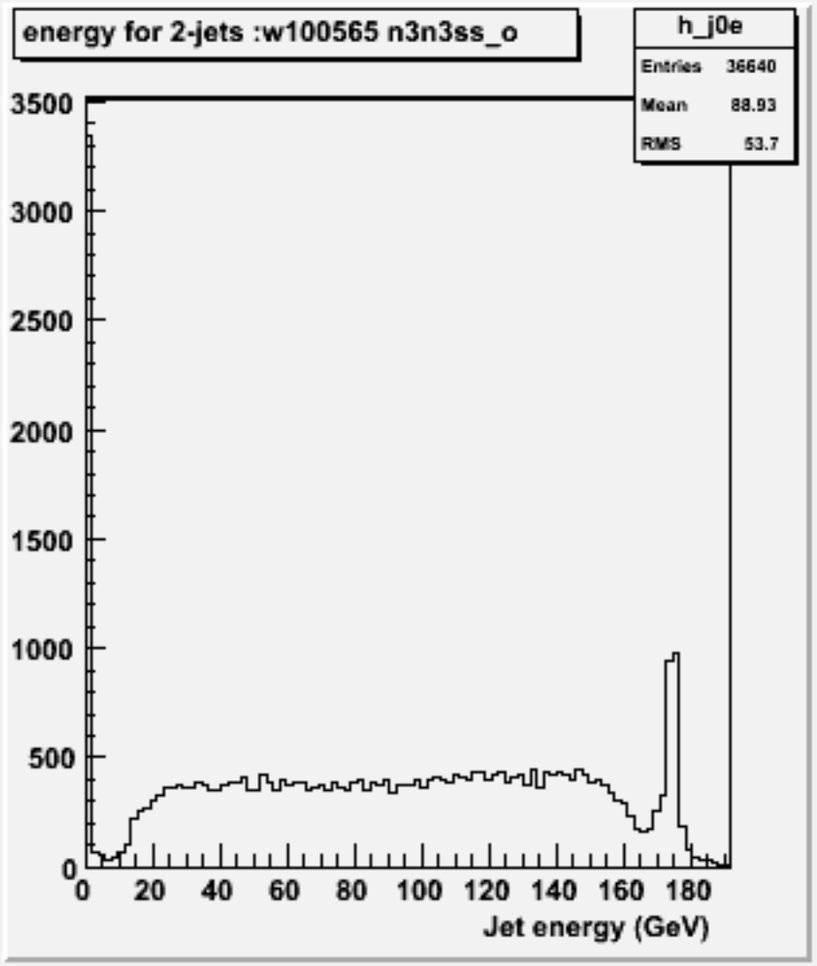
Pz Sum: w100565 n3n3ss_o
h_pz
Entries 18325
Mean 0.6497
RMS 109.9
Pz(sum) (GeV)

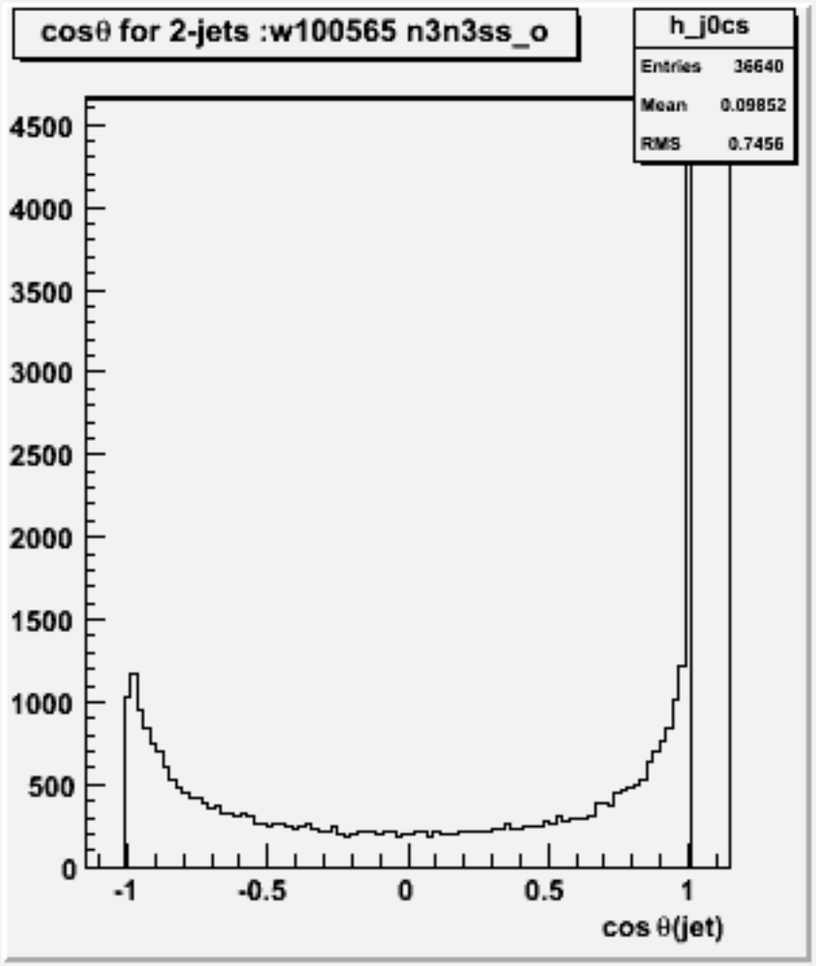
Thrust w100565 n3n3ss_o
h_thrust
Entries 18325
Mean 0.8588
RMS 0.06231
Thrust

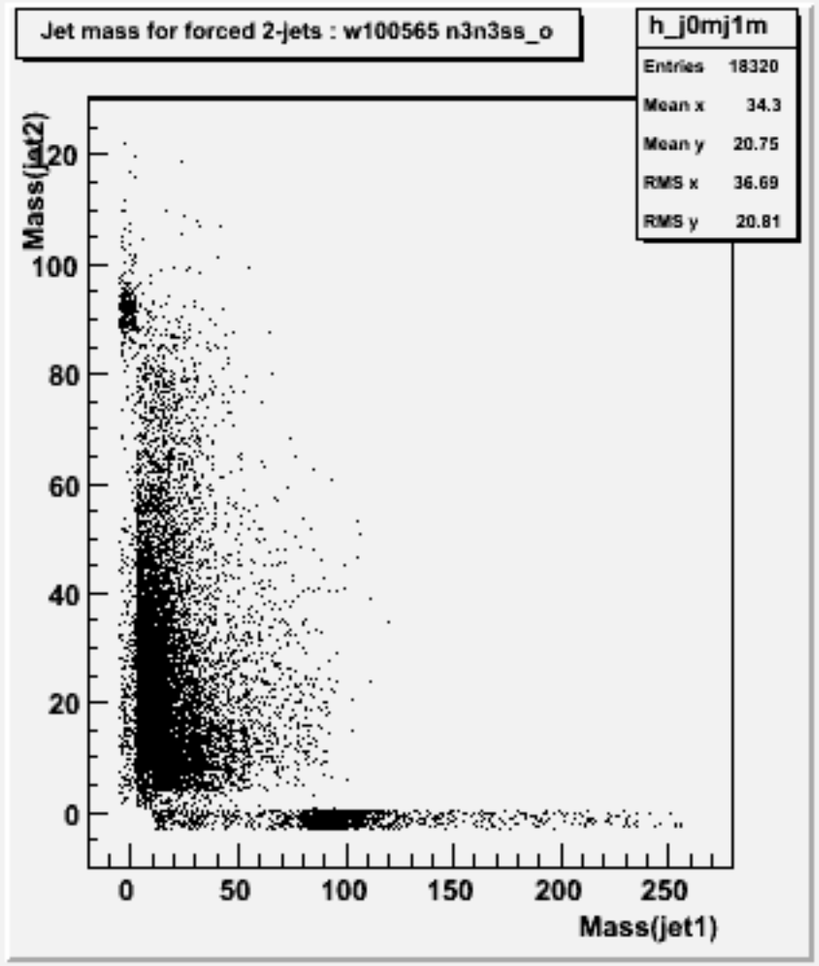

cosΘ(thrust) w100565 n3n3ss_o
h_csth
Entries 18325
Mean -0.002874
RMS 0.7989
Thrust

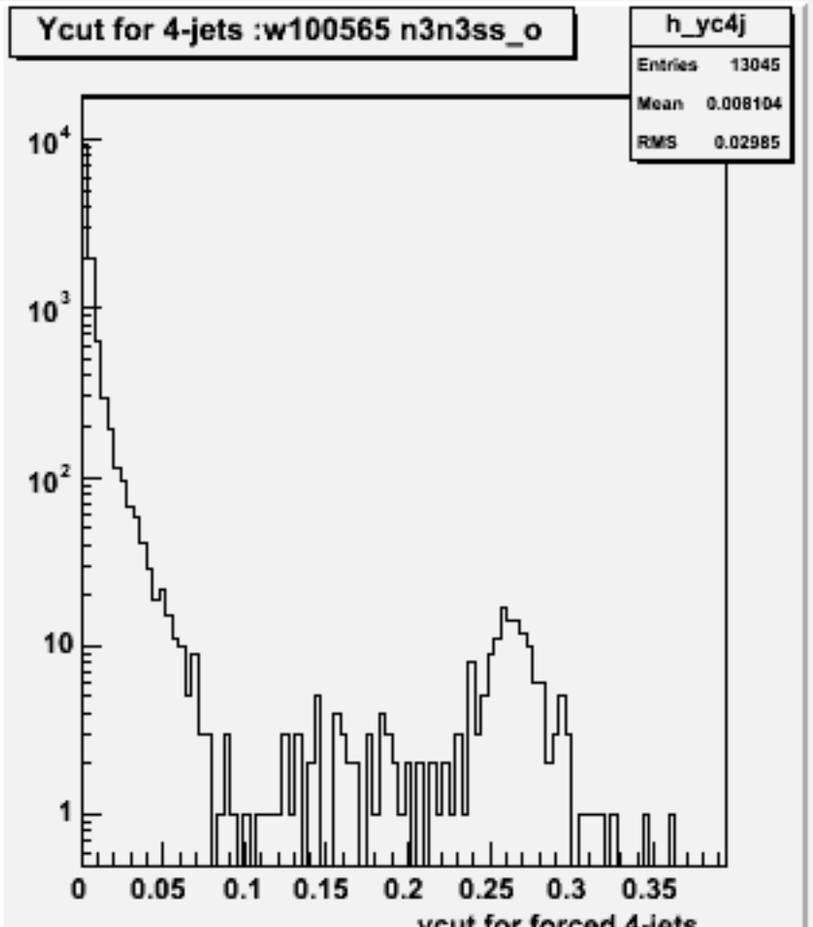

No. jets (ycut=0.001) : w100565 n3n3ss_o
h_njets
Entries 18325
Mean 4.199
RMS 1.16
No. of jets

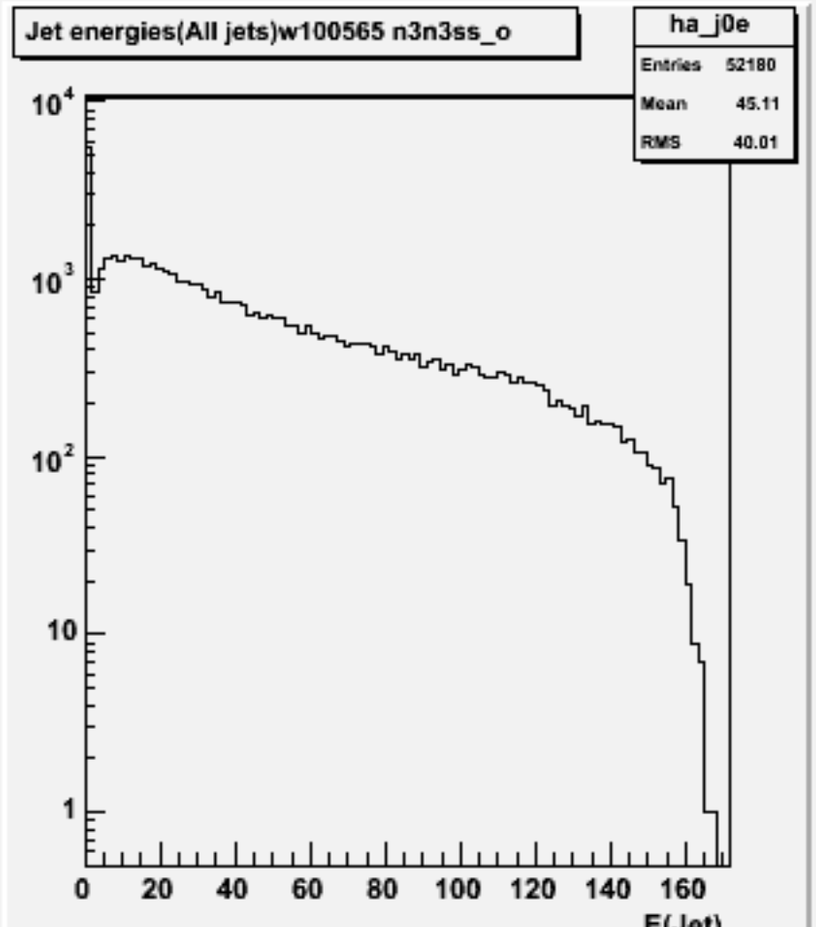

Ycut for 2-jets :w100565 n3n3ss_o
h_yc2j
Entries 18320
Mean 0.07165
RMS 0.1137
ycut for forced 2-jets

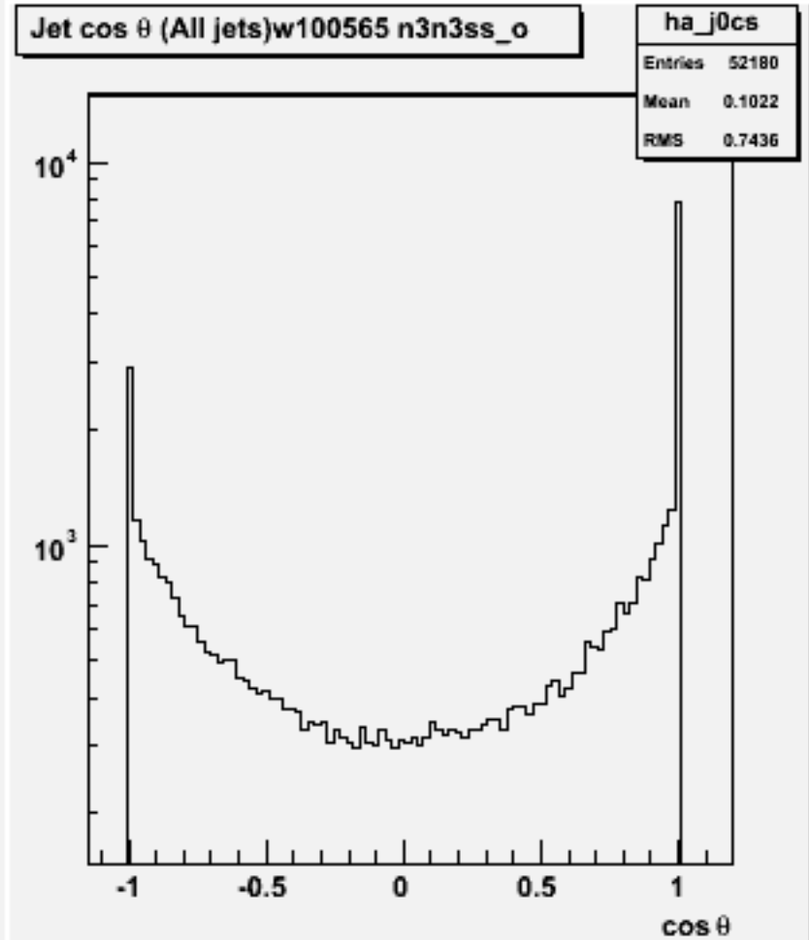

energy for 2-jets :w100565 n3n3ss_o
h_j0e
Entries 36640
Mean 88.93
RMS 53.7
Jet energy (GeV)

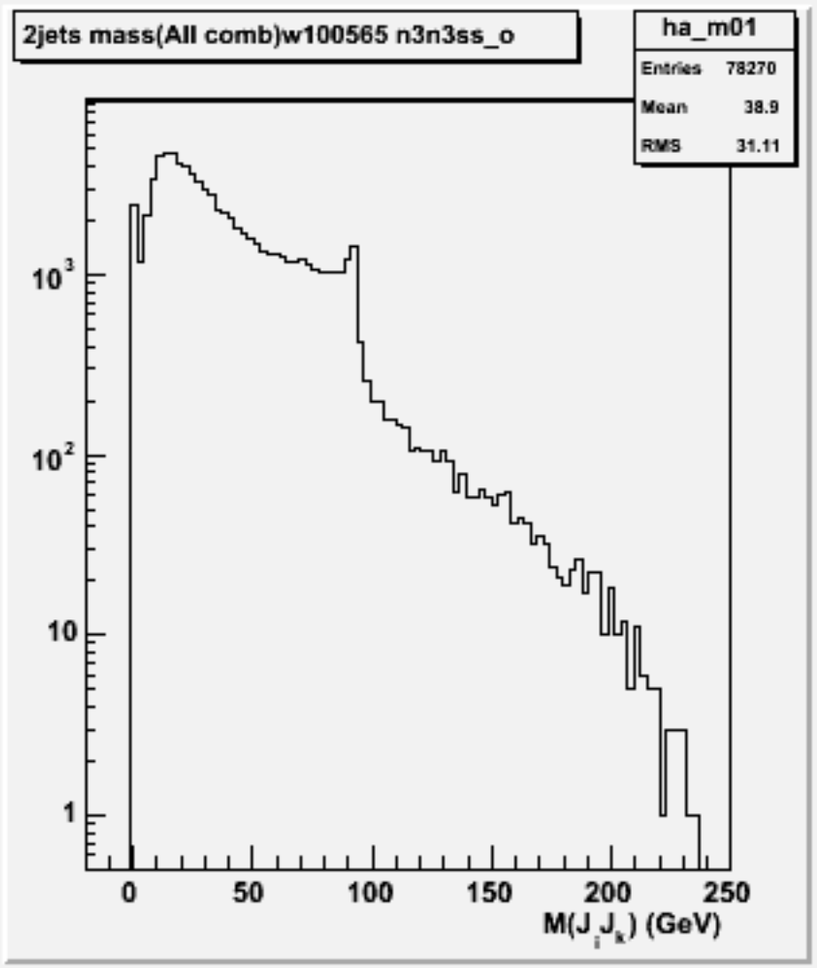

cosθ for 2-jets :w100565 n3n3ss_o
h_j0cs
Entries 36640
Mean 0.09852
RMS 0.7456
cos θ(jet)

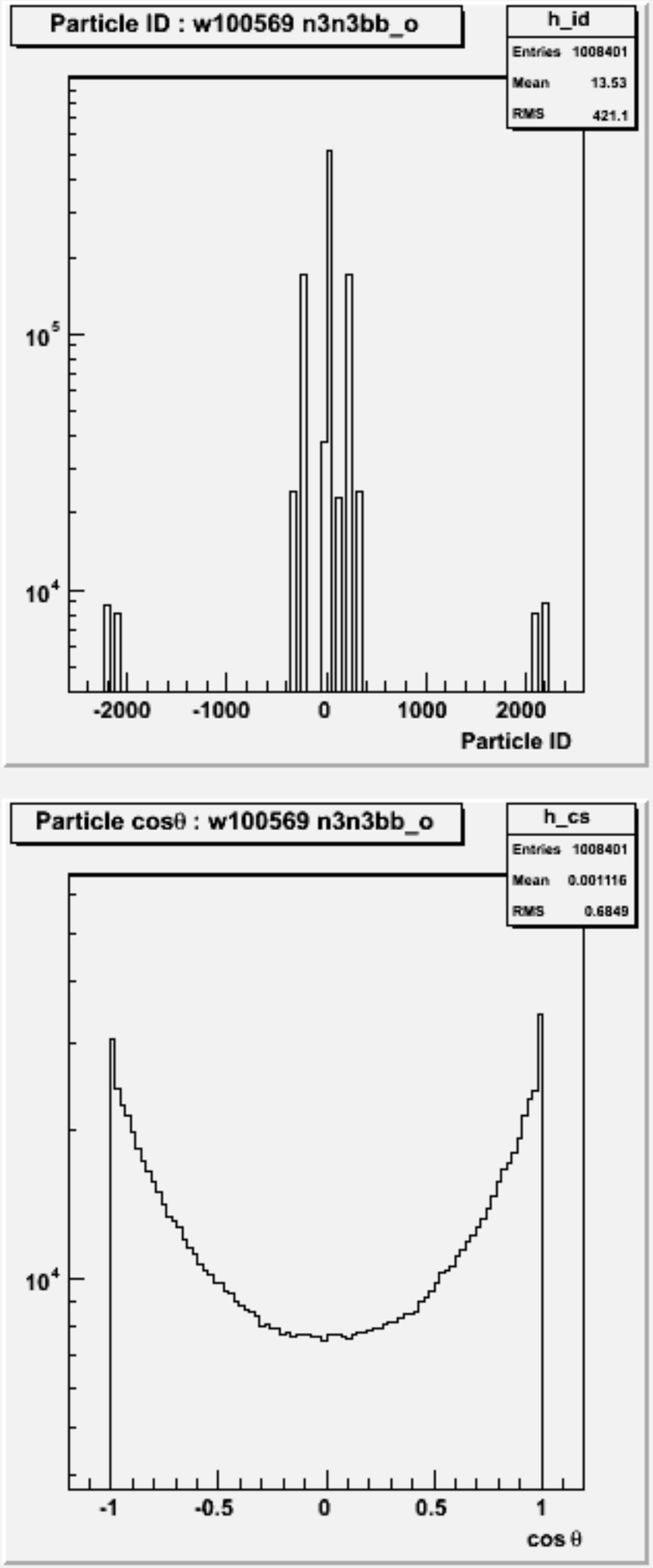

Jet mass for forced 2-jets : w100565 n3n3ss_o
h_j0mj1m
Entries 18320
Mean x 34.3
Mean y 20.75
RMS x 36.69
RMS y 20.81
Mass(jet2)
Mass(jet1)

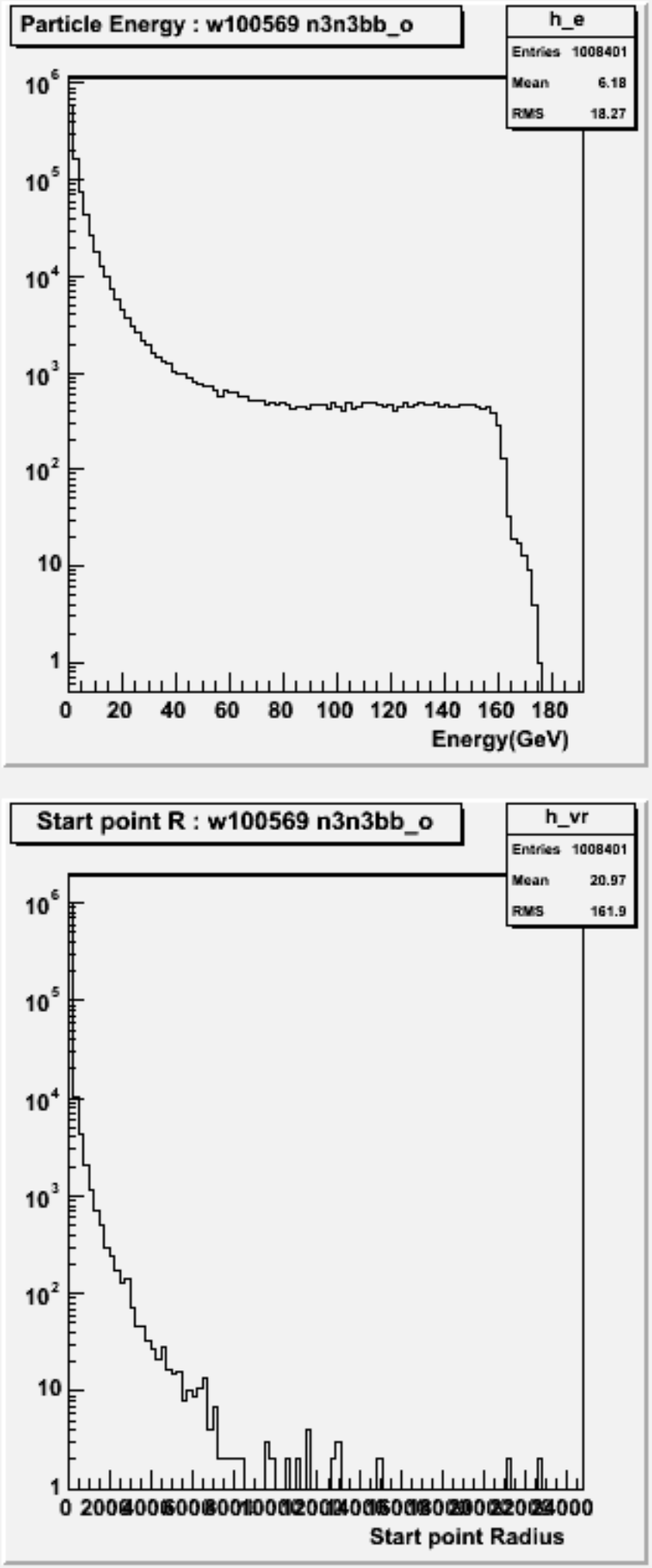

Ycut for 4-jets :w100565 n3n3ss_o
h_yc4j
Entries 13045
Mean 0.008104
RMS 0.02985
ycut for forced 4-jets

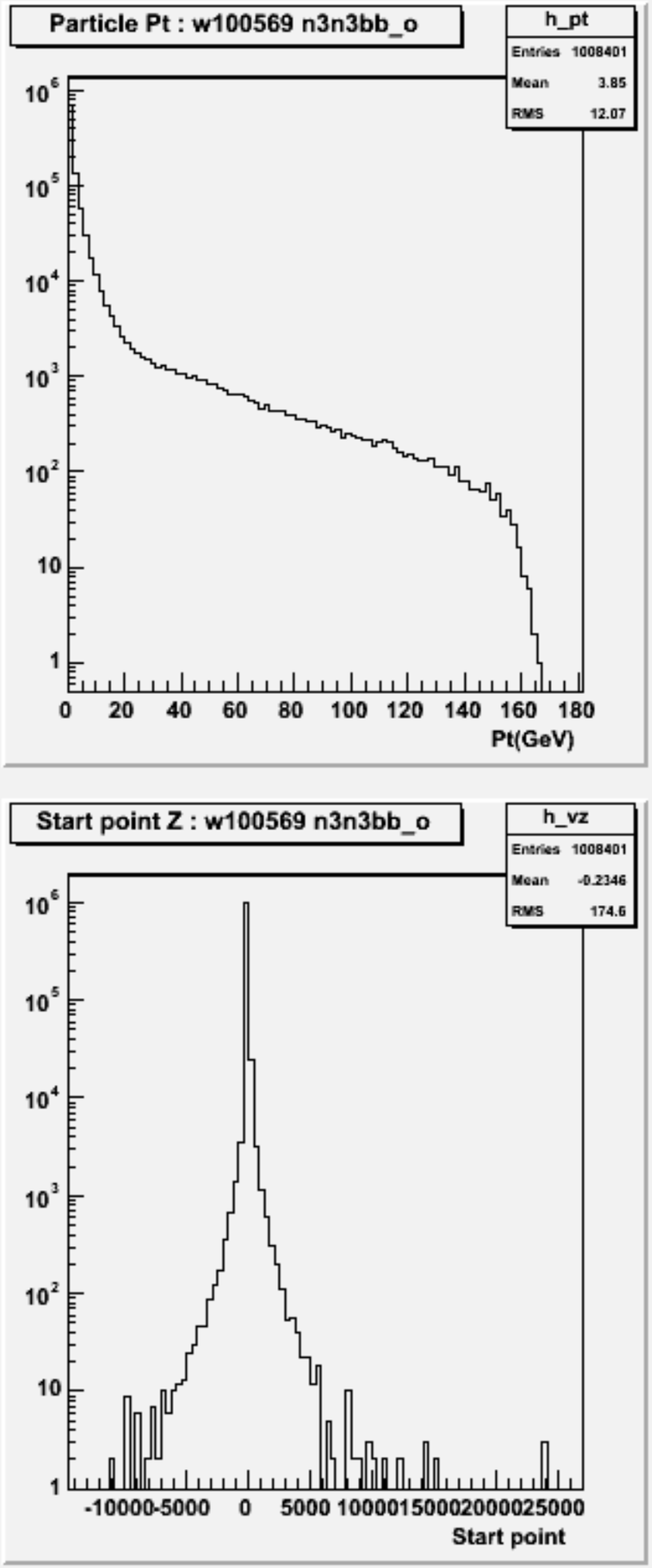

Jet energies(All jets)w100565 n3n3ss_o
ha_j0e
Entries 52180
Mean 45.11
RMS 40.01
E(Jet)


Jet cos θ (All jets)w100565 n3n3ss_o
ha_j0cs
Entries 52180
Mean 0.1022
RMS 0.7436
cos θ


2jets mass(All comb)w100565 n3n3ss_o
ha_m01
Entries 78270
Mean 38.9
RMS 31.11
M(J_iJ_k) (GeV)


Particle ID : w100569 n3n3bb_o
h_id
Entries 1008401
Mean 13.53
RMS 421.1
10^5
10^4
-2000 -1000 0 1000 2000
Particle ID

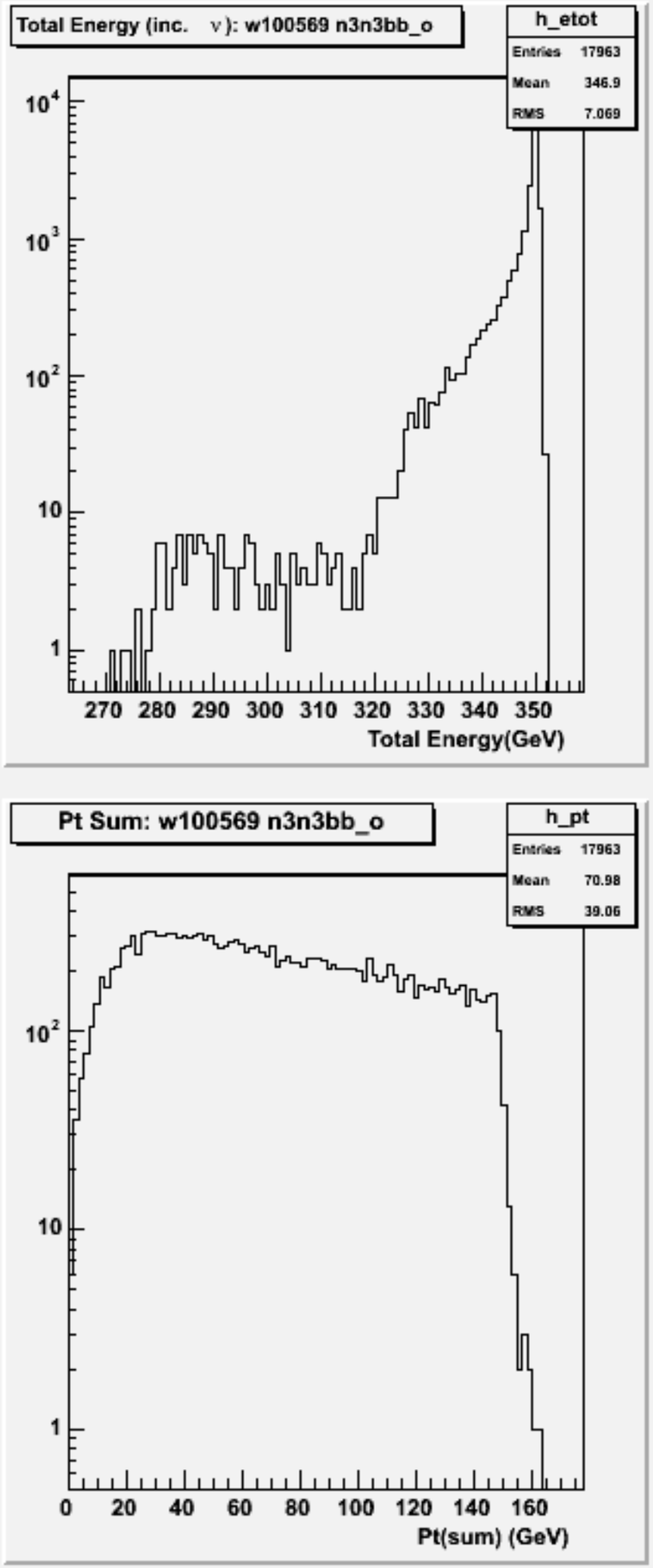

Particle Energy : w100569 n3n3bb_o
h_e
Entries 1008401
Mean 6.18
RMS 18.27
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

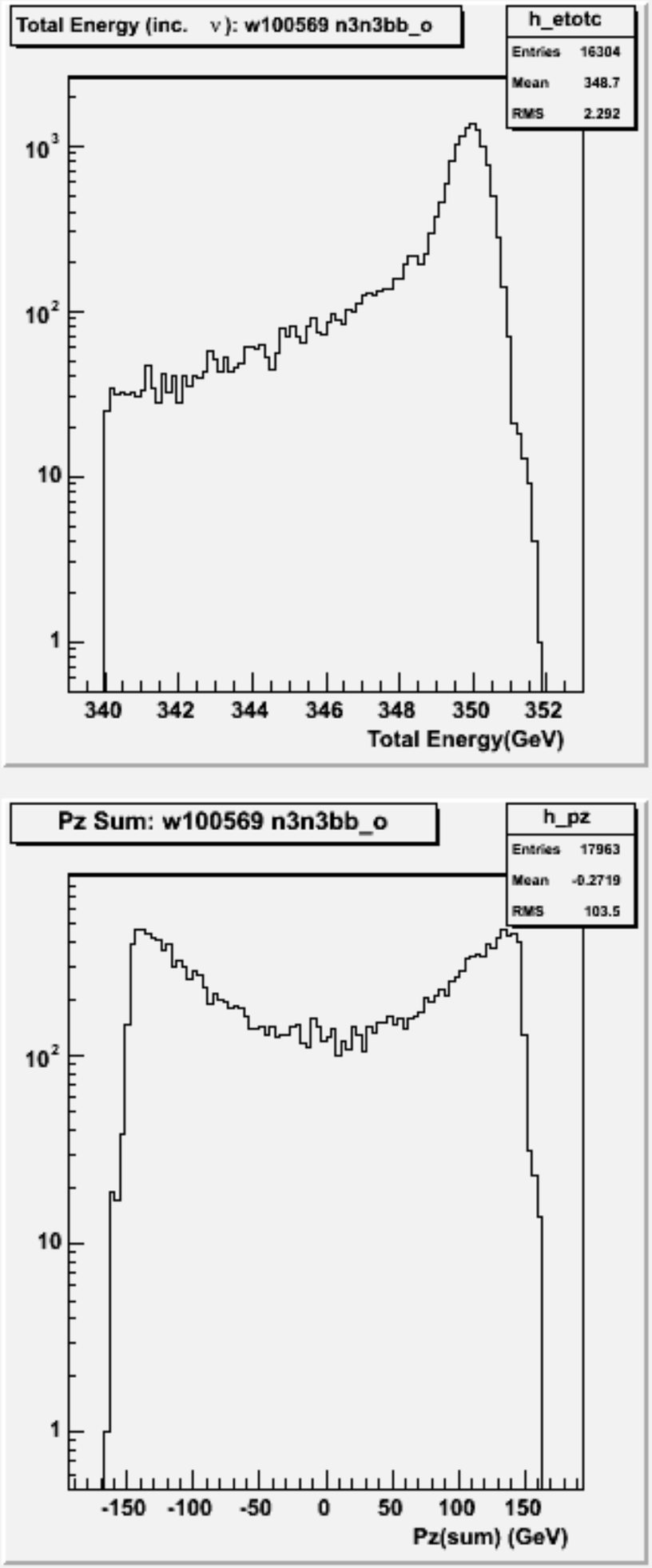

Particle Pt : w100569 n3n3bb_o
h_pt
Entries 1008401
Mean 3.85
RMS 12.07
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

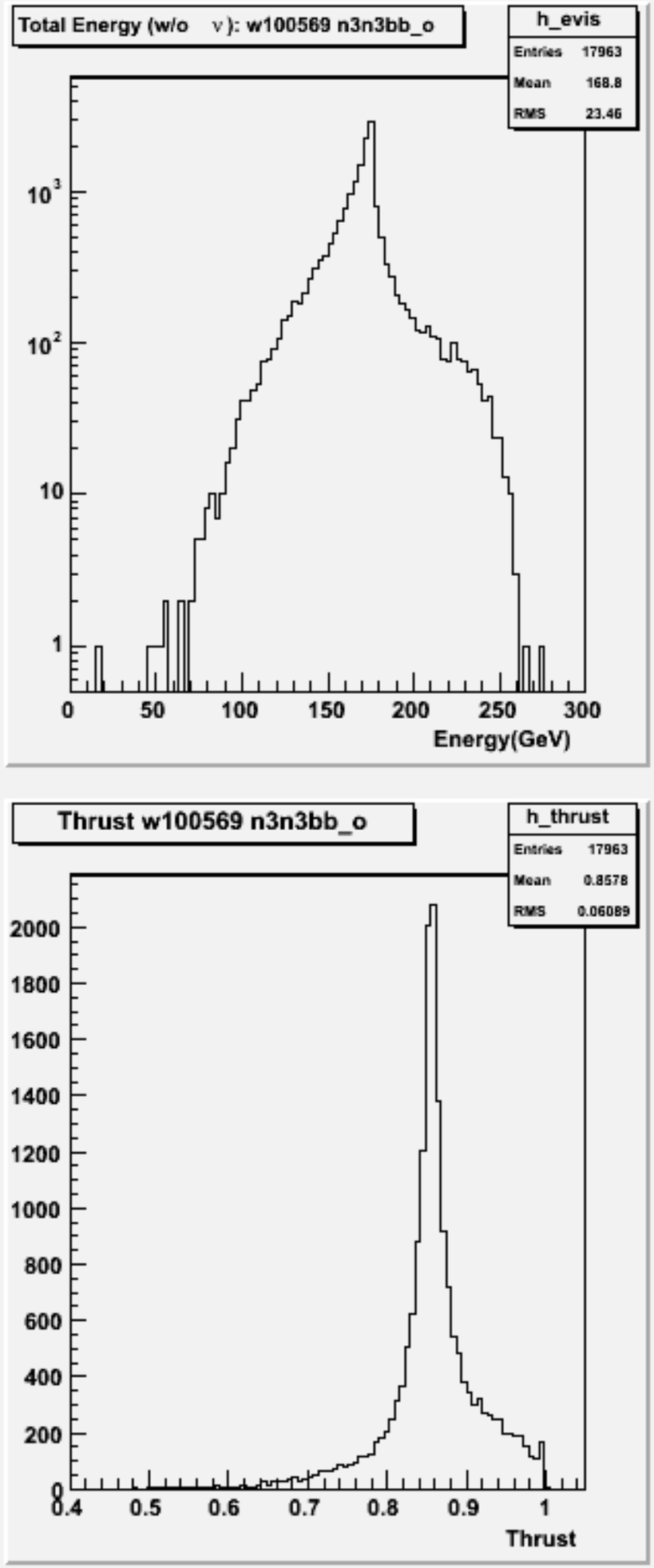
Particle cosθ : w100569 n3n3bb_o
h_cs
Entries 1008401
Mean 0.001116
RMS 0.6849
10^4
-1 -0.5 0 0.5 1
cos θ

Start point R : w100569 n3n3bb_o
h_vr
Entries 1008401
Mean 20.97
RMS 161.9
10^6
10^5
10^4
10^3
10^2
10
1
Start point Radius

Start point Z : w100569 n3n3bb_o
h_vz
Entries 1008401
Mean -0.2346
RMS 174.6
10^6
10^5
10^4
10^3
10^2
10
1
-10000 -5000 0 5000 10000 15000 20000 25000
Start point


Total Energy (inc. ν): w100569 n3n3bb_o
h_etot
Entries 17963
Mean 346.9
RMS 7.069
Total Energy(GeV)

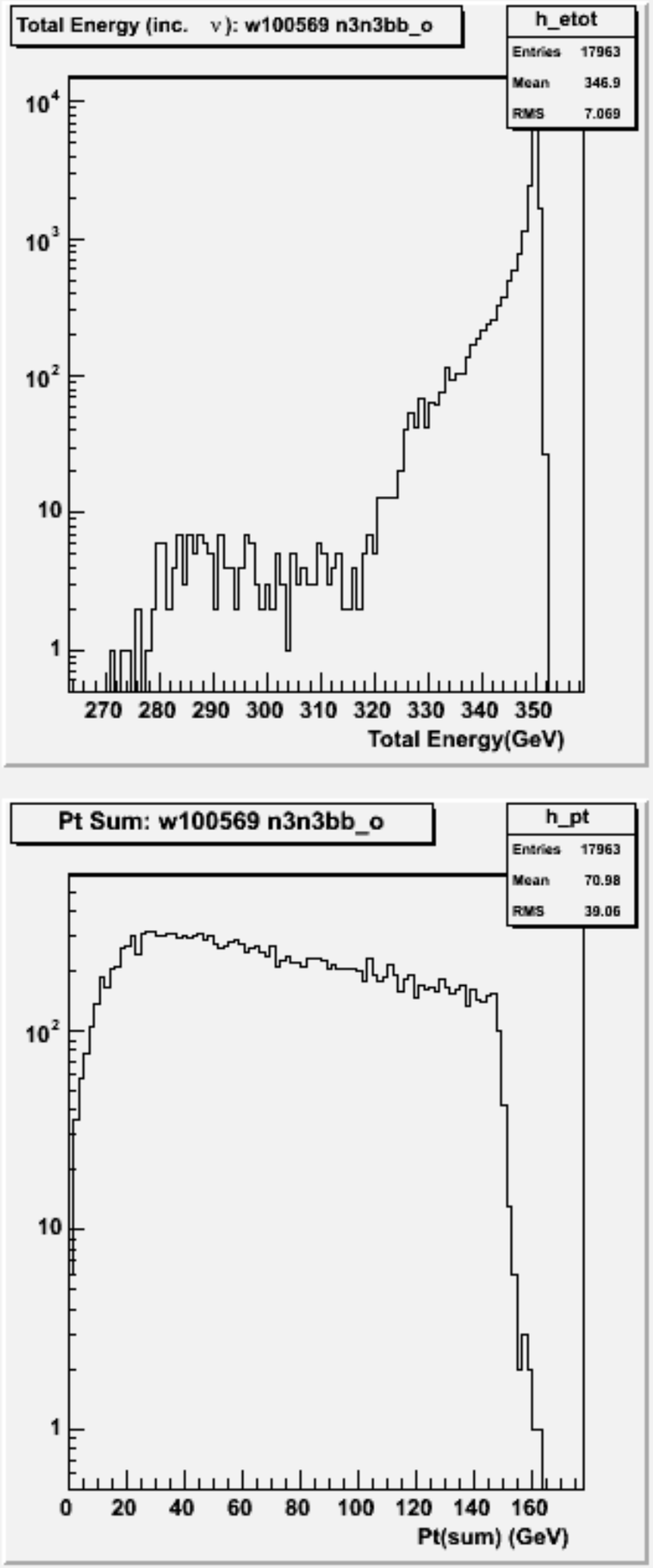

Total Energy (inc. ν): w100569 n3n3bb_o
h_etotc
Entries 16304
Mean 348.7
RMS 2.292
Total Energy(GeV)

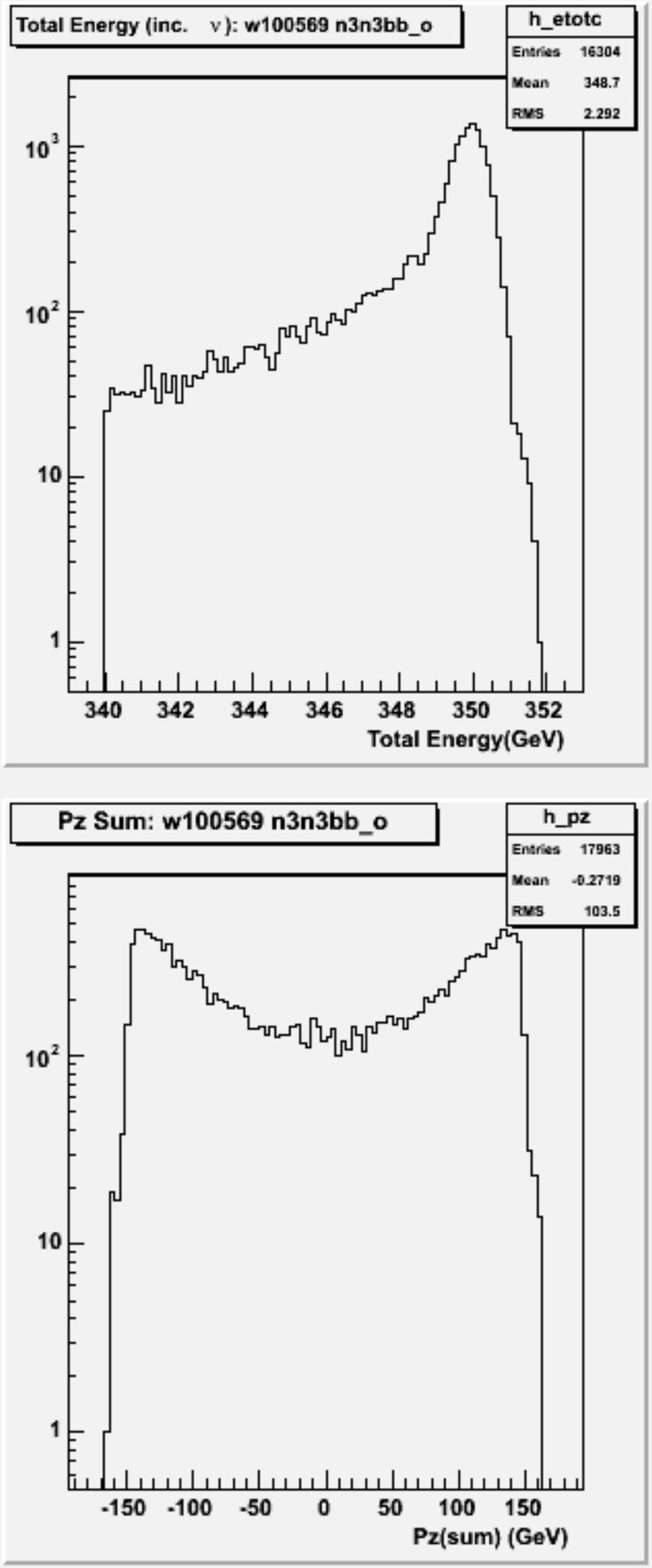

Total Energy (w/o ν): w100569 n3n3bb_o
h_evis
Entries 17963
Mean 168.8
RMS 23.46
Energy(GeV)

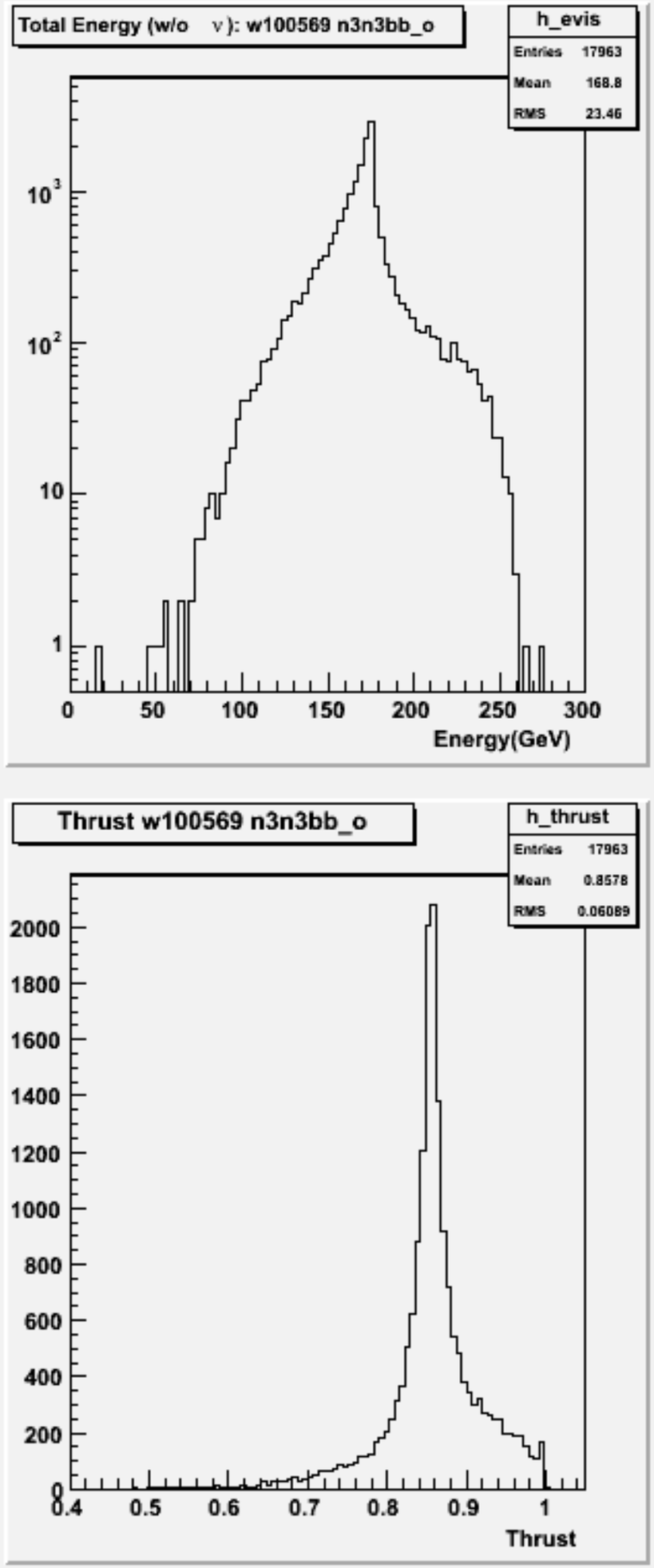
Pt Sum: w100569 n3n3bb_o
h_pt
Entries 17963
Mean 70.98
RMS 39.06
Pt(sum) (GeV)

Pz Sum: w100569 n3n3bb_o
h_pz
Entries 17963
Mean -0.2719
RMS 103.5
Pz(sum) (GeV)

Thrust w100569 n3n3bb_o
h_thrust
Entries 17963
Mean 0.8578
RMS 0.06089
Thrust


Total Energy (inc. ν): w100569 n3n3bb_o
h_etot
Entries 17963
Mean 346.9
RMS 7.069
Total Energy(GeV)

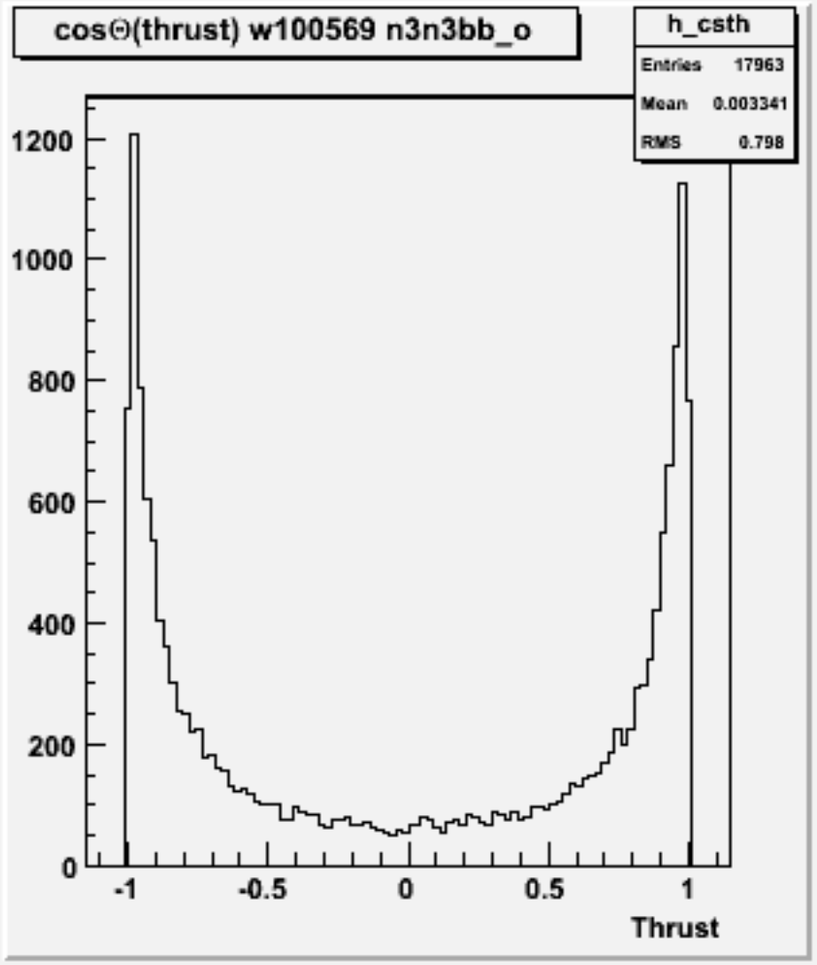

Total Energy (inc. ν): w100569 n3n3bb_o
h_etotc
Entries 16304
Mean 348.7
RMS 2.292
Total Energy(GeV)

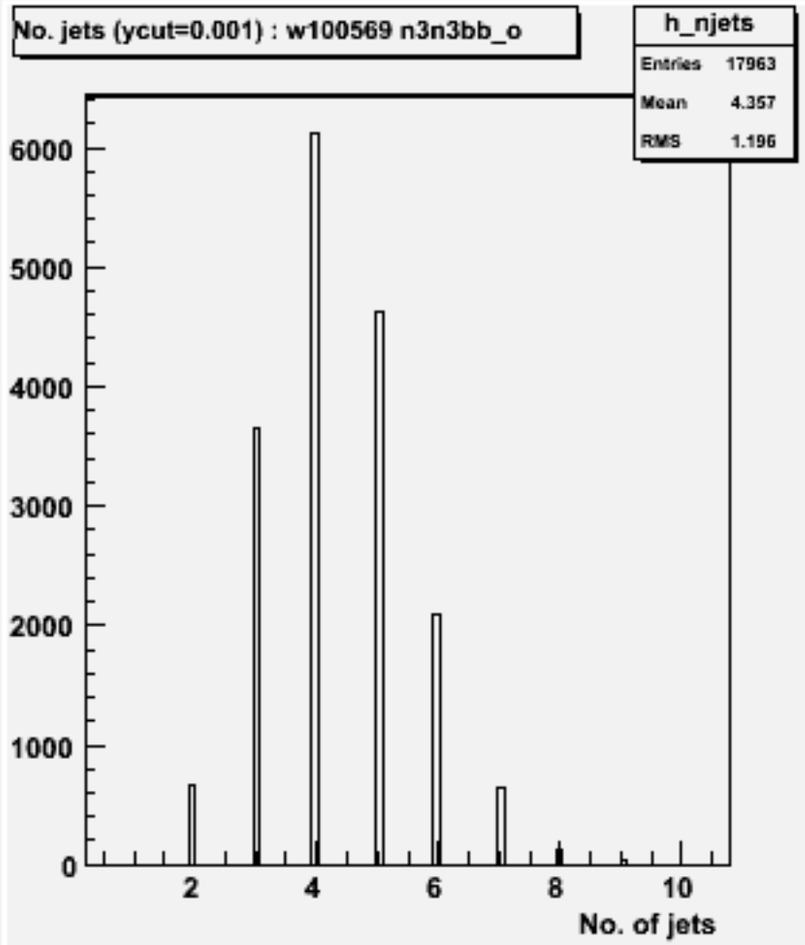

Total Energy (w/o ν): w100569 n3n3bb_o
h_evis
Entries 17963
Mean 168.8
RMS 23.46
Energy(GeV)

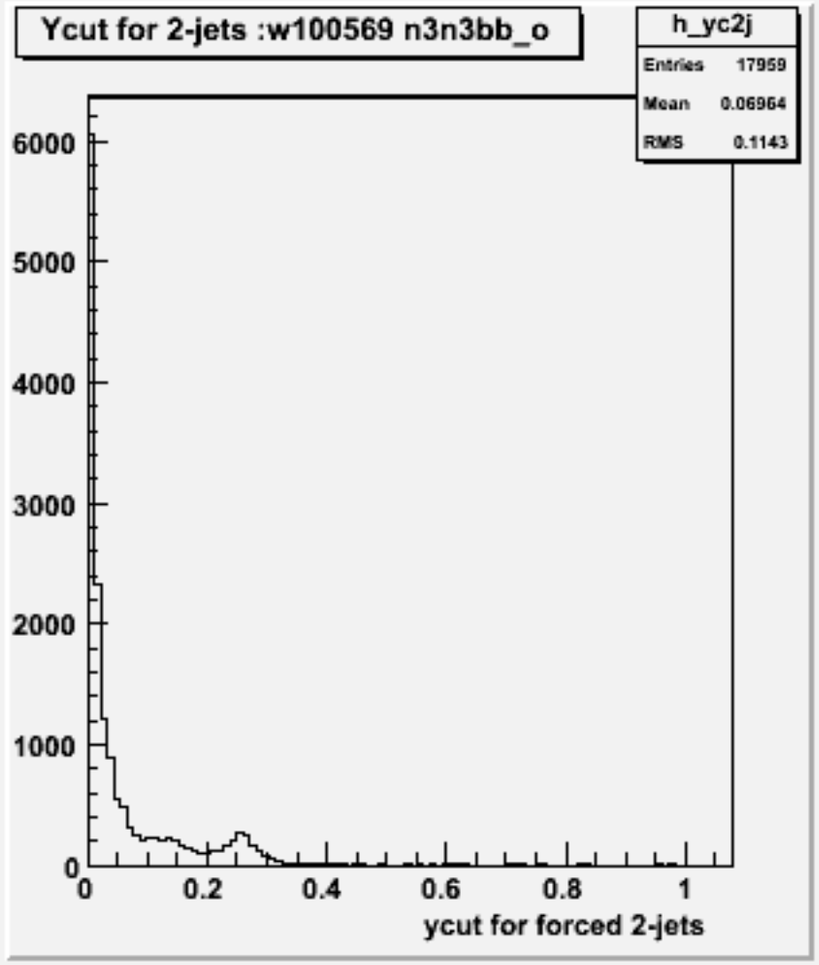
Pt Sum: w100569 n3n3bb_o
h_pt
Entries 17963
Mean 70.98
RMS 39.06
Pt(sum) (GeV)

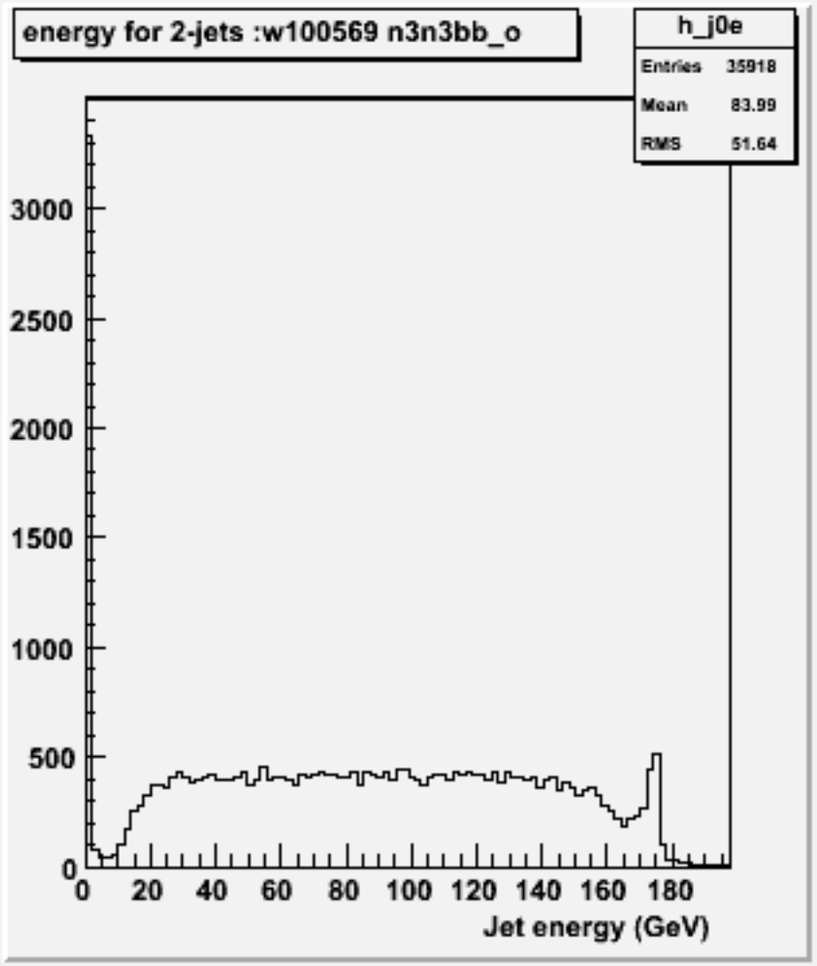
Pz Sum: w100569 n3n3bb_o
h_pz
Entries 17963
Mean -0.2719
RMS 103.5
Pz(sum) (GeV)

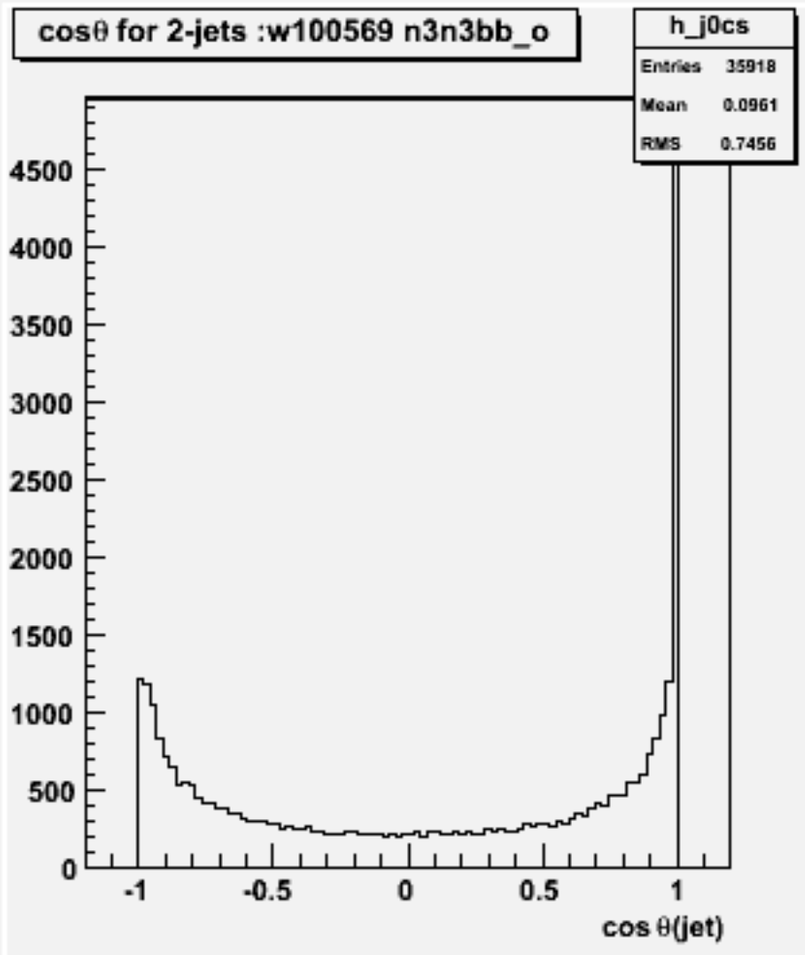
Thrust w100569 n3n3bb_o
h_thrust
Entries 17963
Mean 0.8578
RMS 0.06089
Thrust

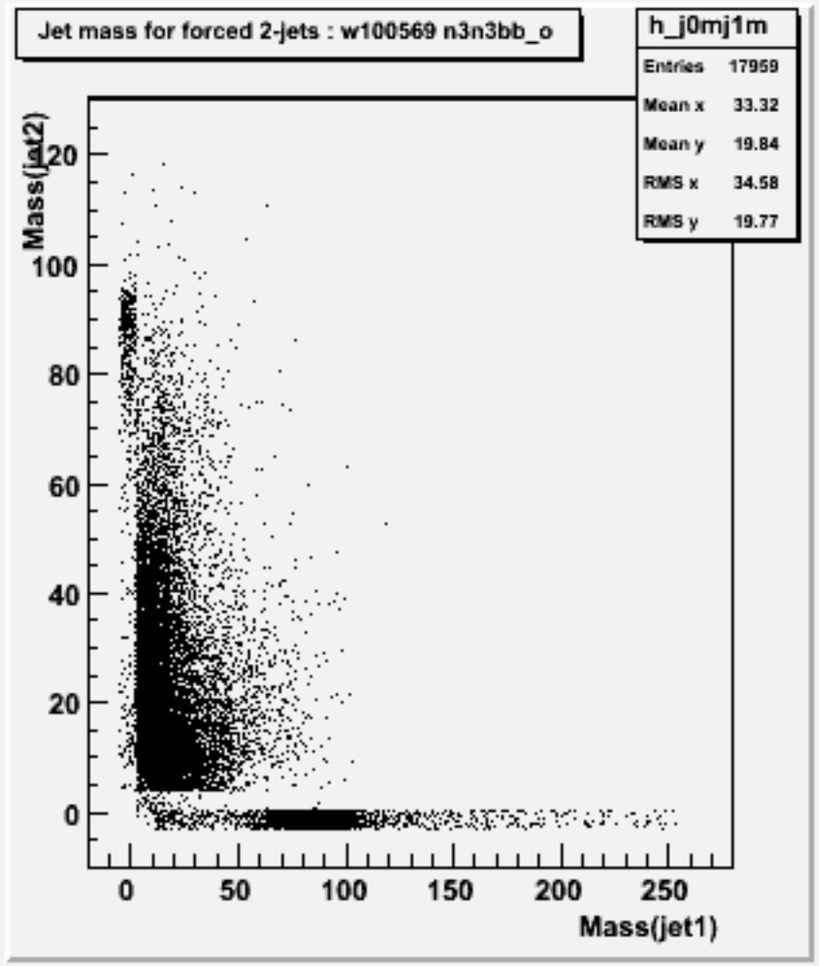

cosΘ(thrust) w100569 n3n3bb_o
h_csth
Entries 17963
Mean 0.003341
RMS 0.798
Thrust

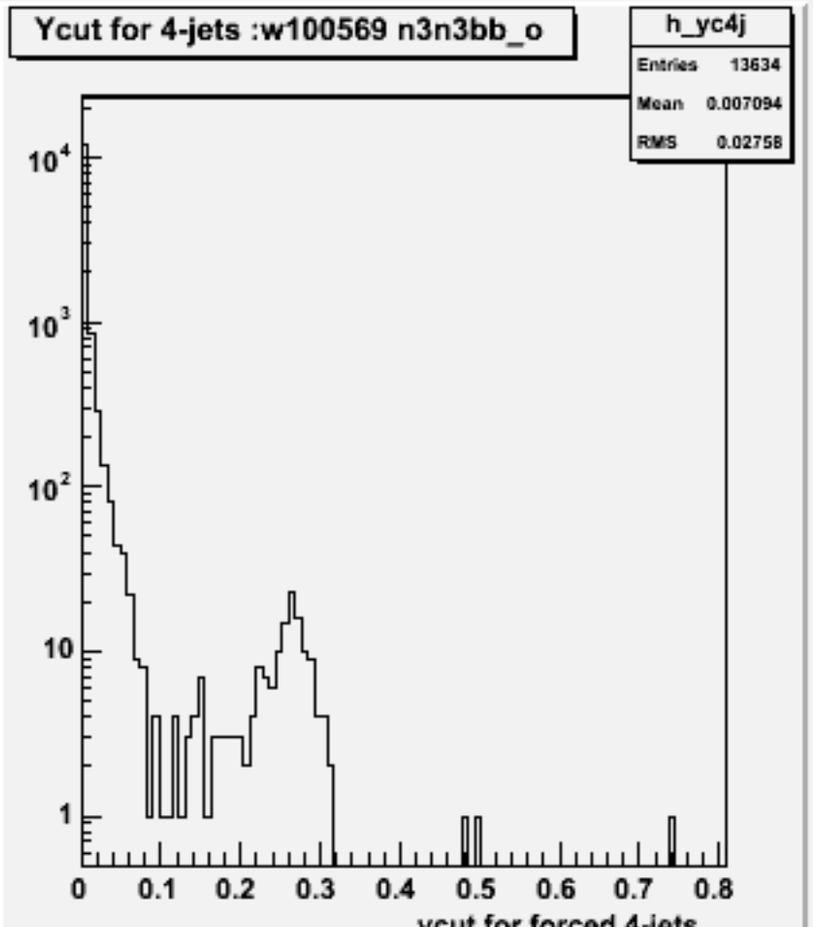

No. jets (ycut=0.001) : w100569 n3n3bb_o
h_njets
Entries 17963
Mean 4.357
RMS 1.196
No. of jets

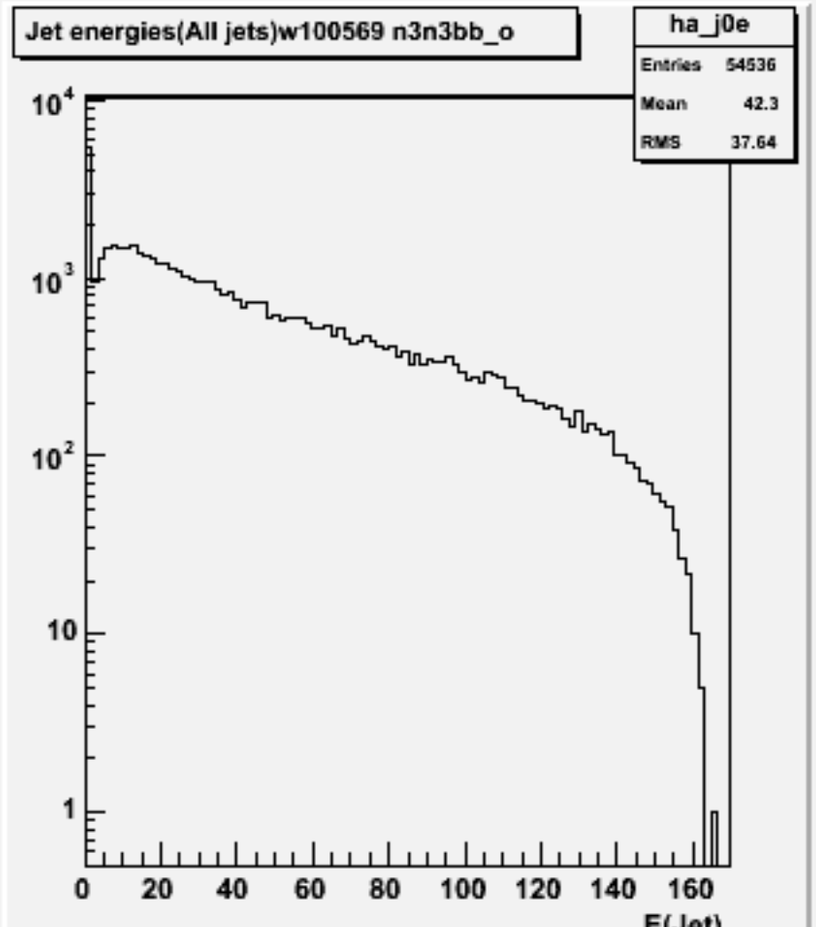

Ycut for 2-jets :w100569 n3n3bb_o
h_yc2j
Entries 17959
Mean 0.06964
RMS 0.1143
ycut for forced 2-jets

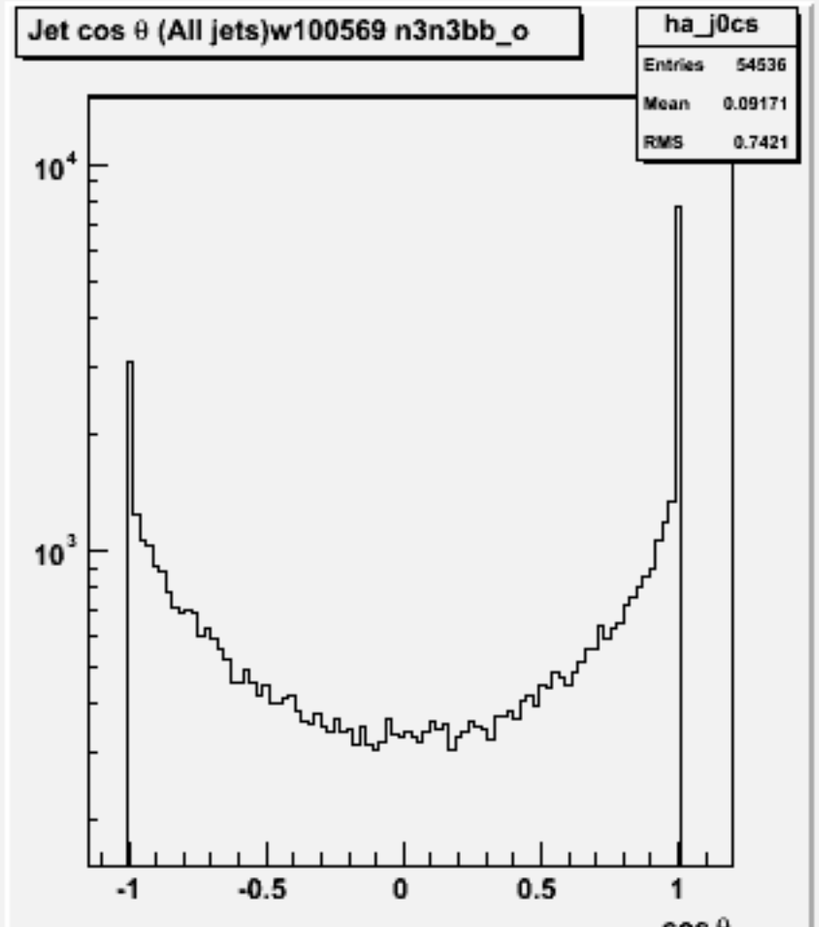

energy for 2-jets :w100569 n3n3bb_o
h_j0e
Entries 35918
Mean 83.99
RMS 51.64
Jet energy (GeV)

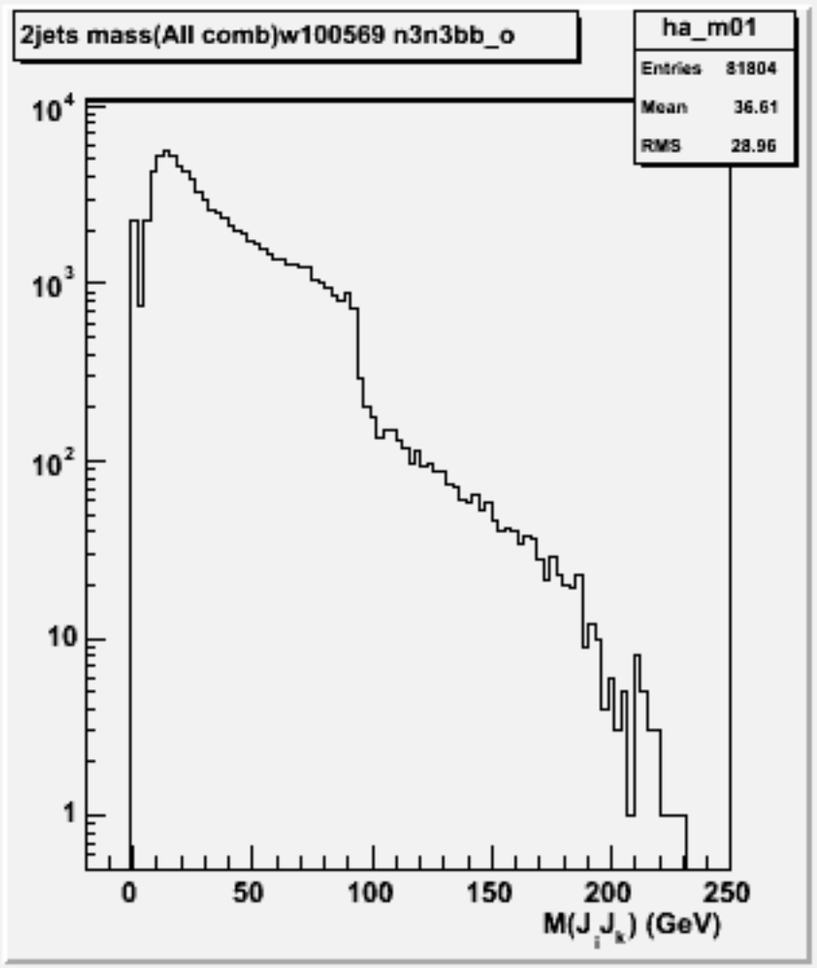

cosθ for 2-jets :w100569 n3n3bb_o
h_j0cs
Entries 35918
Mean 0.0961
RMS 0.7456
cos θ(jet)

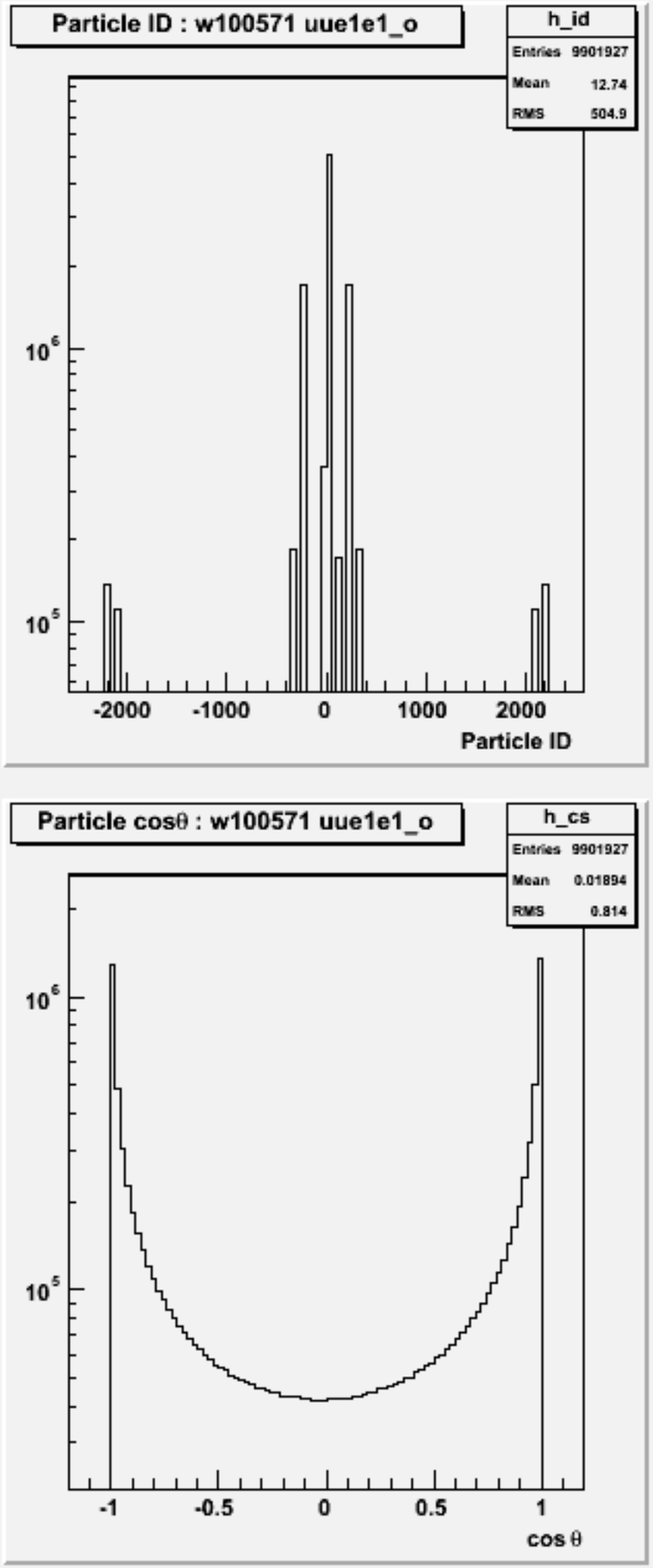

Jet mass for forced 2-jets : w100569 n3n3bb_o
h_j0mj1m
Entries 17959
Mean x 33.32
Mean y 19.84
RMS x 34.58
RMS y 19.77
Mass(jet2)
Mass(jet1)

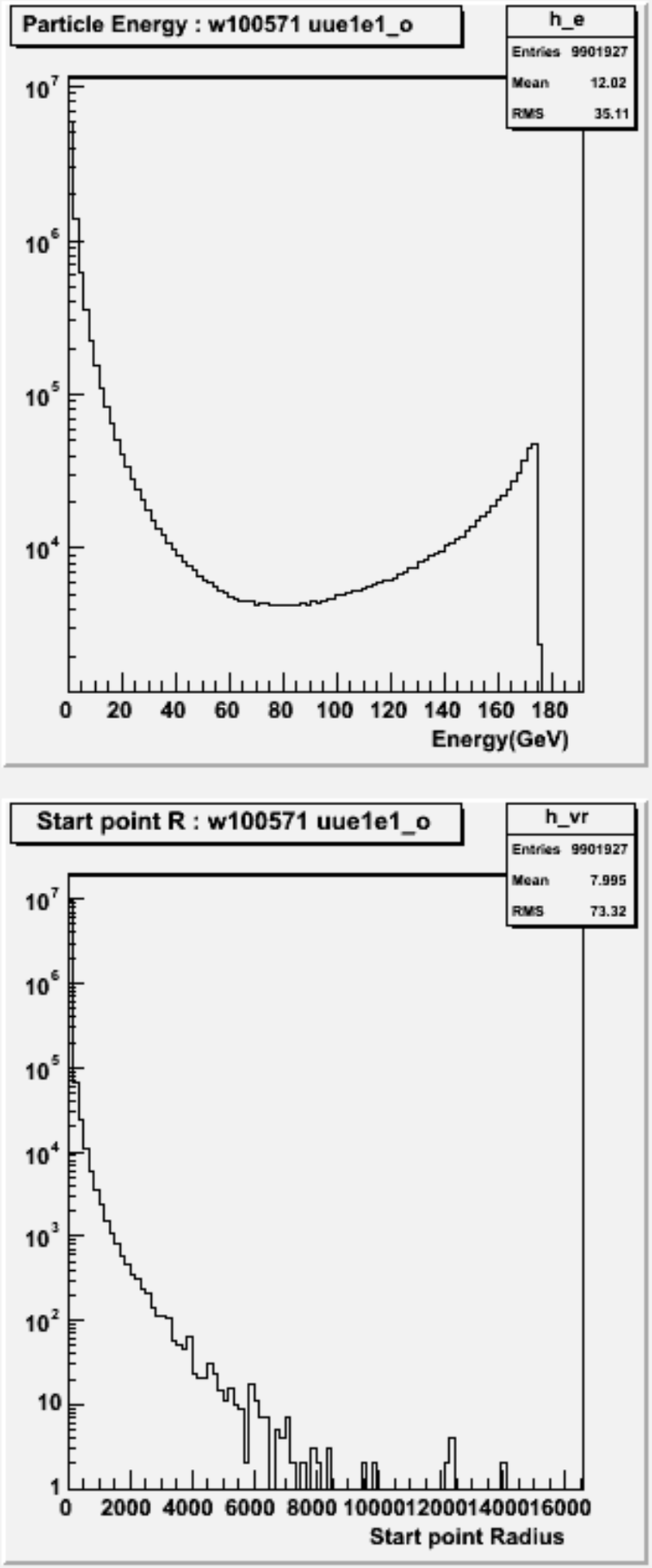

Ycut for 4-jets :w100569 n3n3bb_o
h_yc4j
Entries 13634
Mean 0.007094
RMS 0.02758
ycut for forced 4-jets

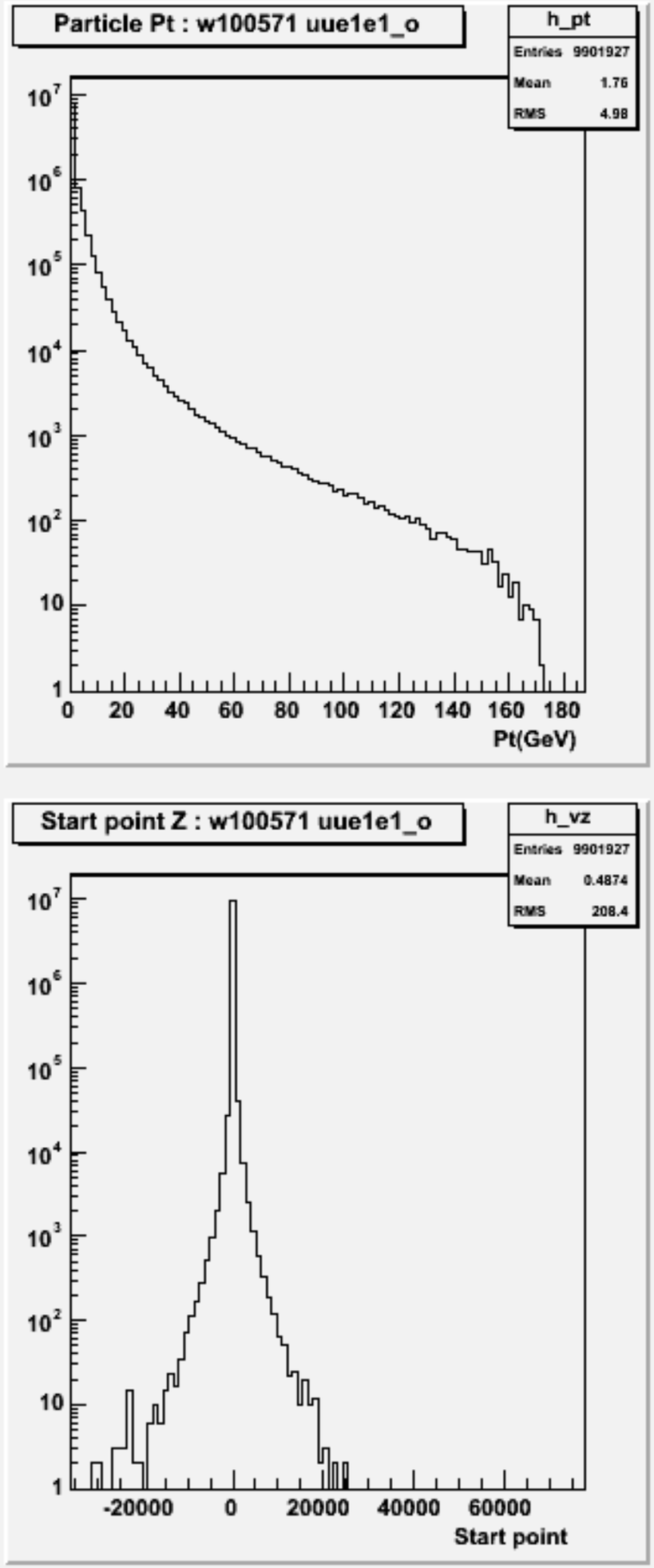

Jet energies(All jets)w100569 n3n3bb_o
ha_j0e
Entries 54536
Mean 42.3
RMS 37.64
E(Jet)


Jet cos θ (All jets)w100569 n3n3bb_o
ha_j0cs
Entries 54536
Mean 0.09171
RMS 0.7421
cos θ


2jets mass(All comb)w100569 n3n3bb_o
ha_m01
Entries 81804
Mean 36.61
RMS 28.96
M(J_iJ_k) (GeV)


Particle ID : w100571 uue1e1_o
h_id
Entries 9901927
Mean 12.74
RMS 504.9
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

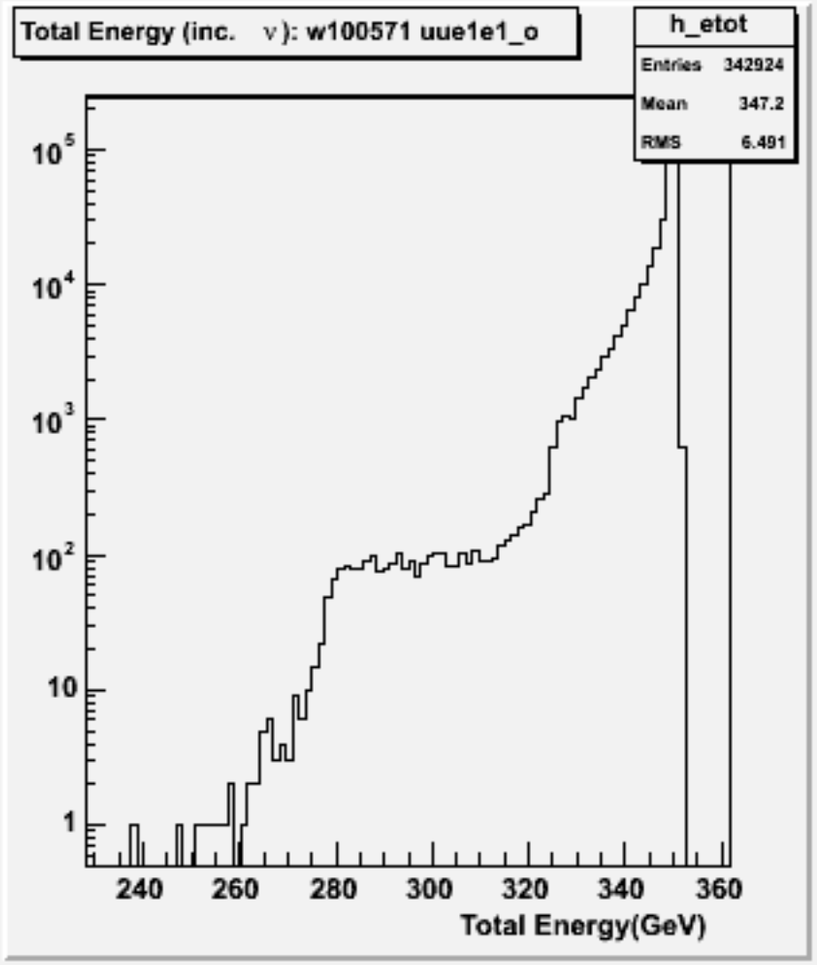

Particle Energy : w100571 uue1e1_o
h_e
Entries 9901927
Mean 12.02
RMS 35.11
10^7
10^6
10^5
10^4
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

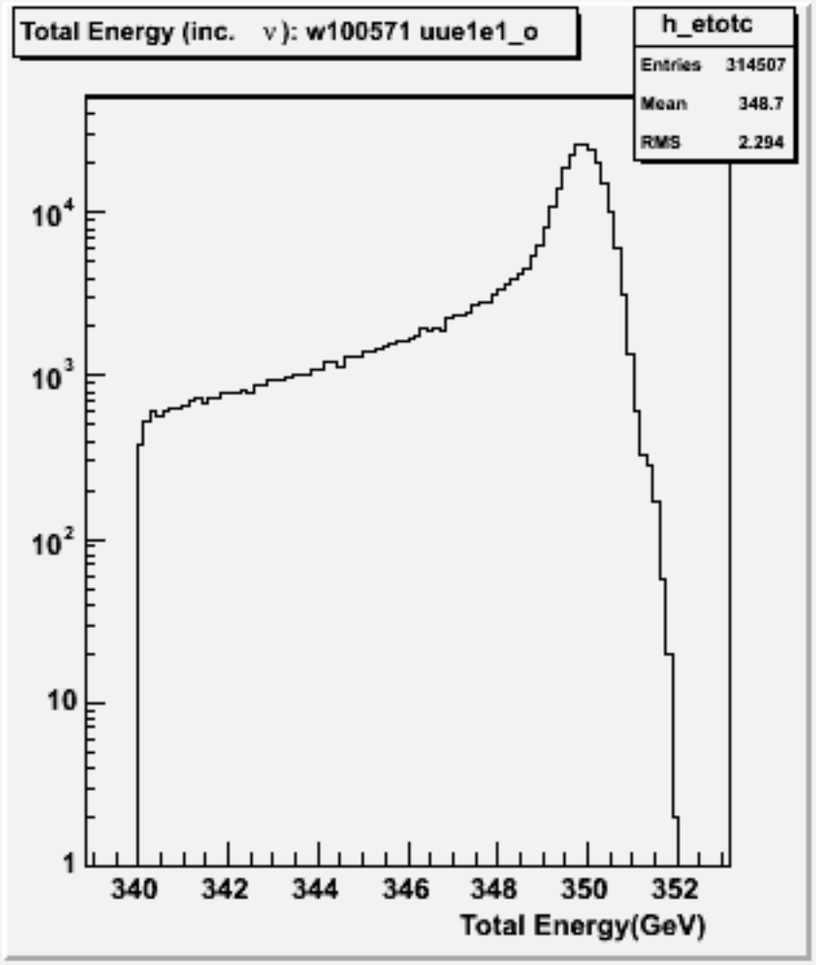

Particle Pt : w100571 uue1e1_o
h_pt
Entries 9901927
Mean 1.76
RMS 4.98
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

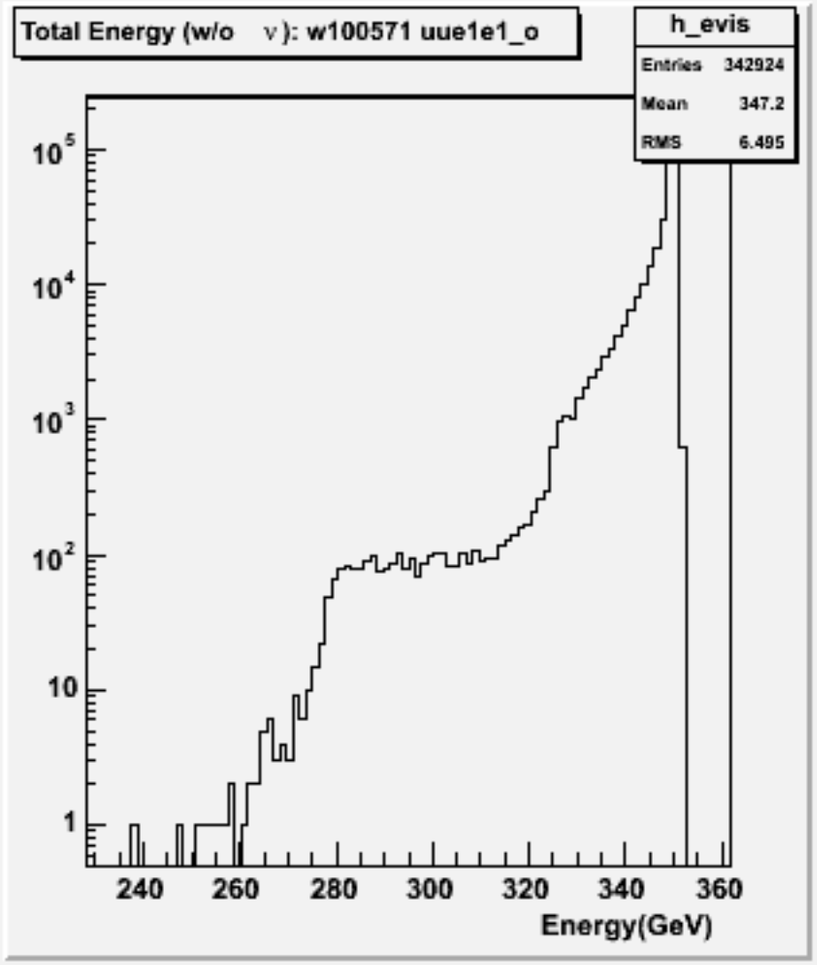
Particle cosθ : w100571 uue1e1_o
h_cs
Entries 9901927
Mean 0.01894
RMS 0.814
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

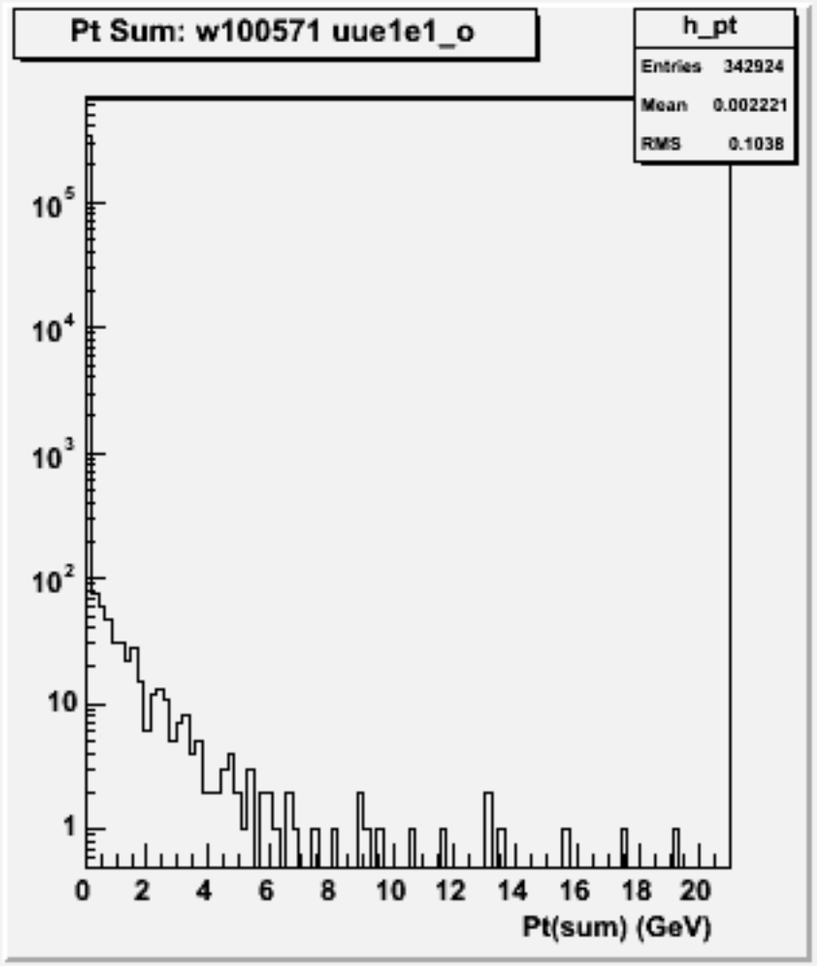
Start point R : w100571 uue1e1_o
h_vr
Entries 9901927
Mean 7.995
RMS 73.32
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
Start point Radius

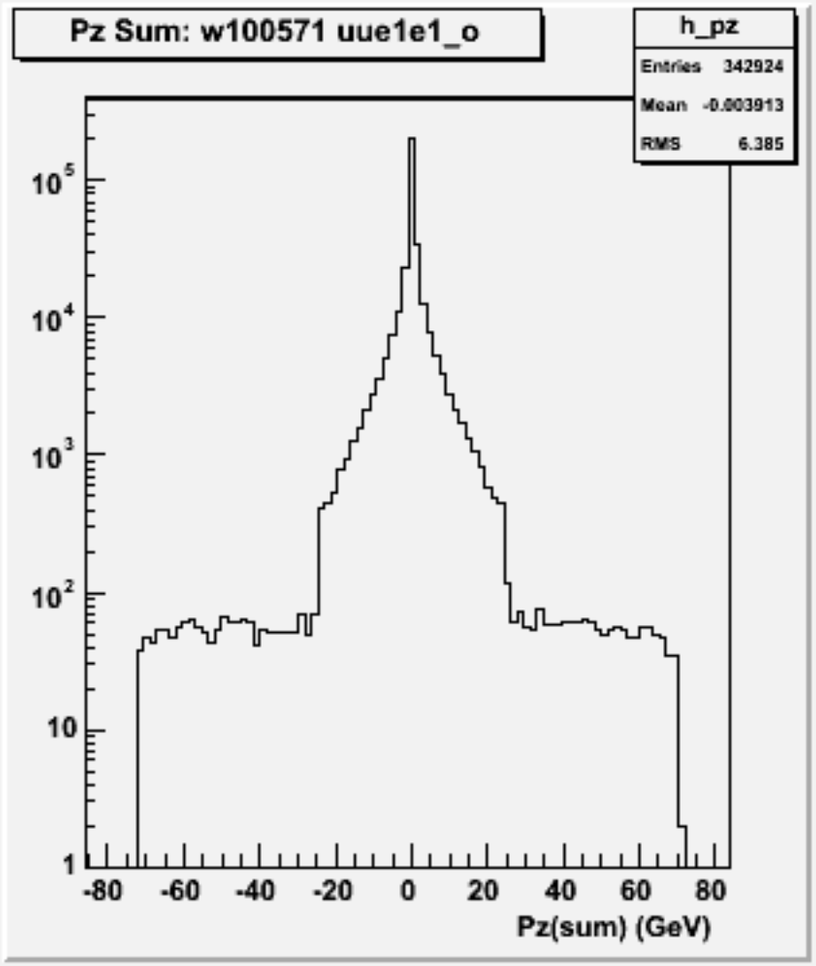
Start point Z : w100571 uue1e1_o
h_vz
Entries 9901927
Mean 0.4874
RMS 208.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-20000
0
20000
40000
60000
Start point

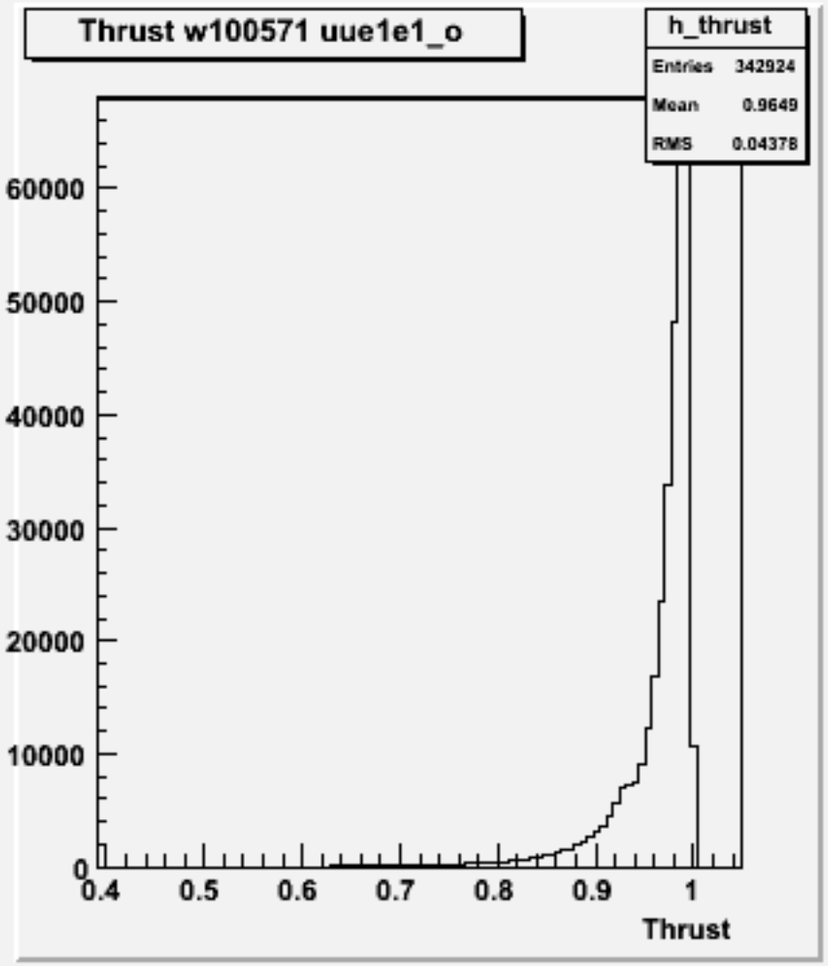

Total Energy (inc. ν): w100571 uue1e1_o
h_etot
Entries 342924
Mean 347.2
RMS 6.491
Total Energy(GeV)

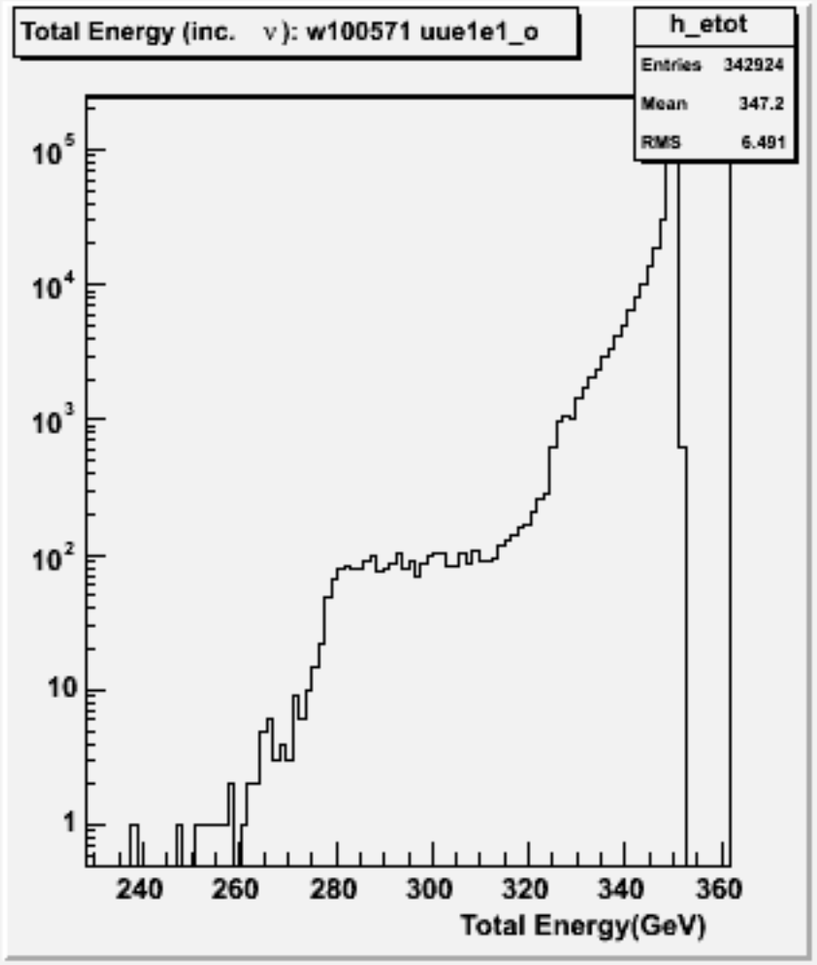

Total Energy (inc. ν): w100571 uue1e1_o
h_etotc
Entries 314507
Mean 348.7
RMS 2.294
Total Energy(GeV)

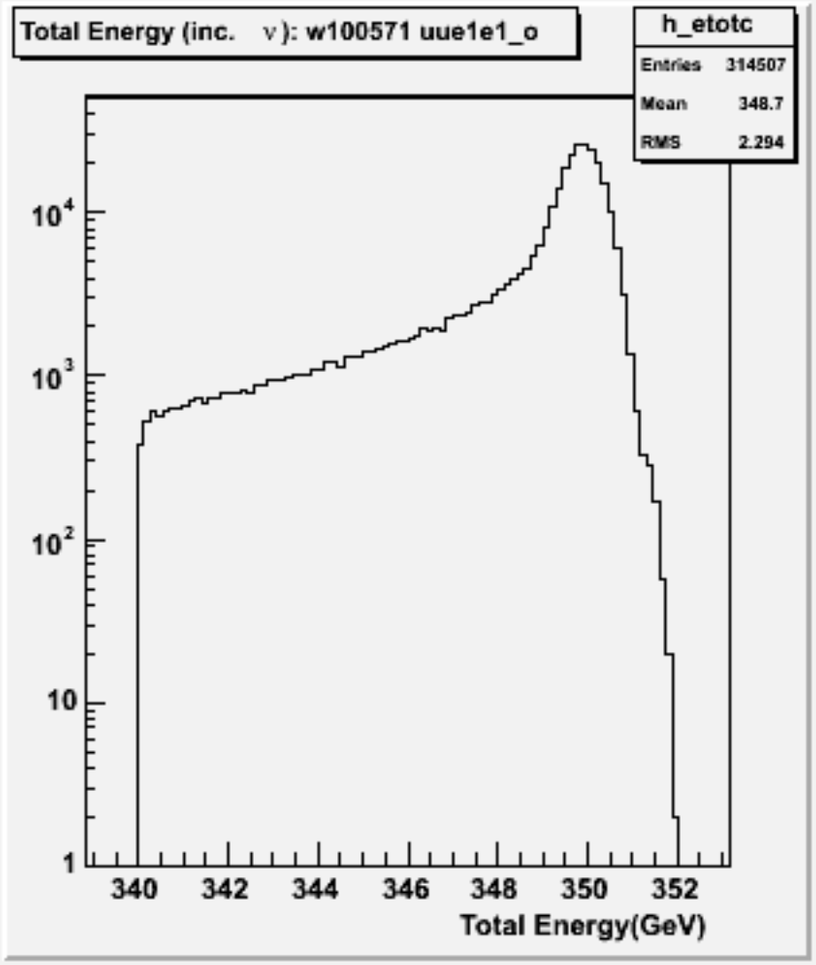

Total Energy (w/o ν): w100571 uue1e1_o
h_evis
Entries 342924
Mean 347.2
RMS 6.495
Energy(GeV)

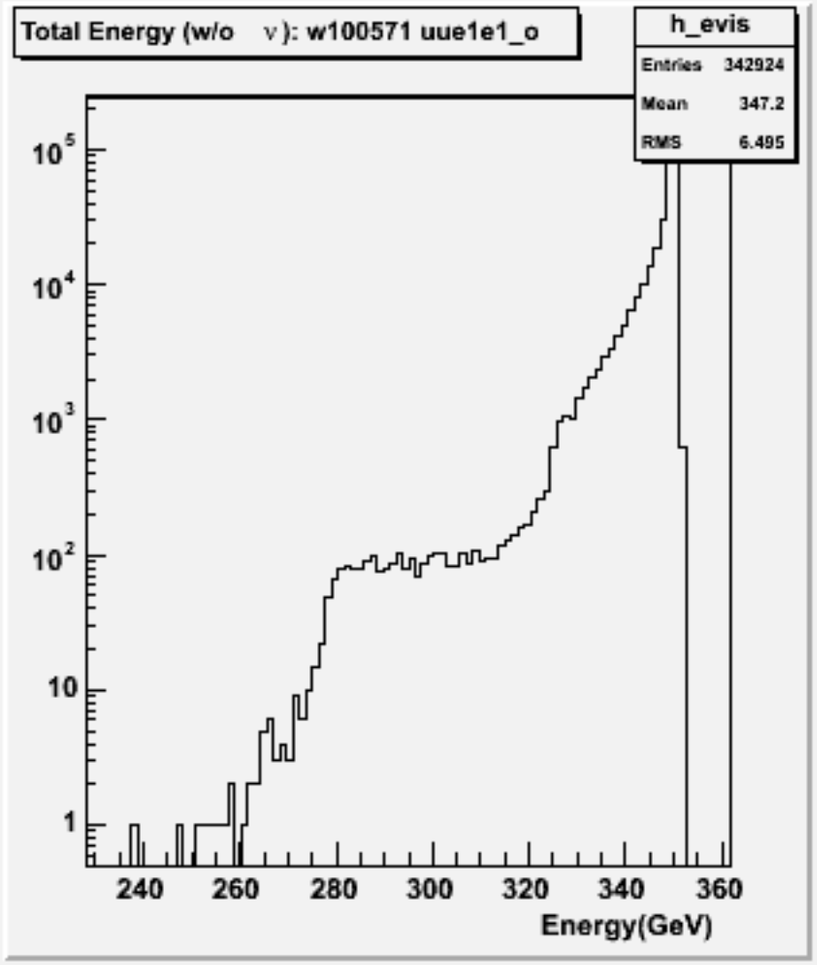

Pt Sum: w100571 uue1e1_o
h_pt
Entries 342924
Mean 0.002221
RMS 0.1038
Pt(sum) (GeV)

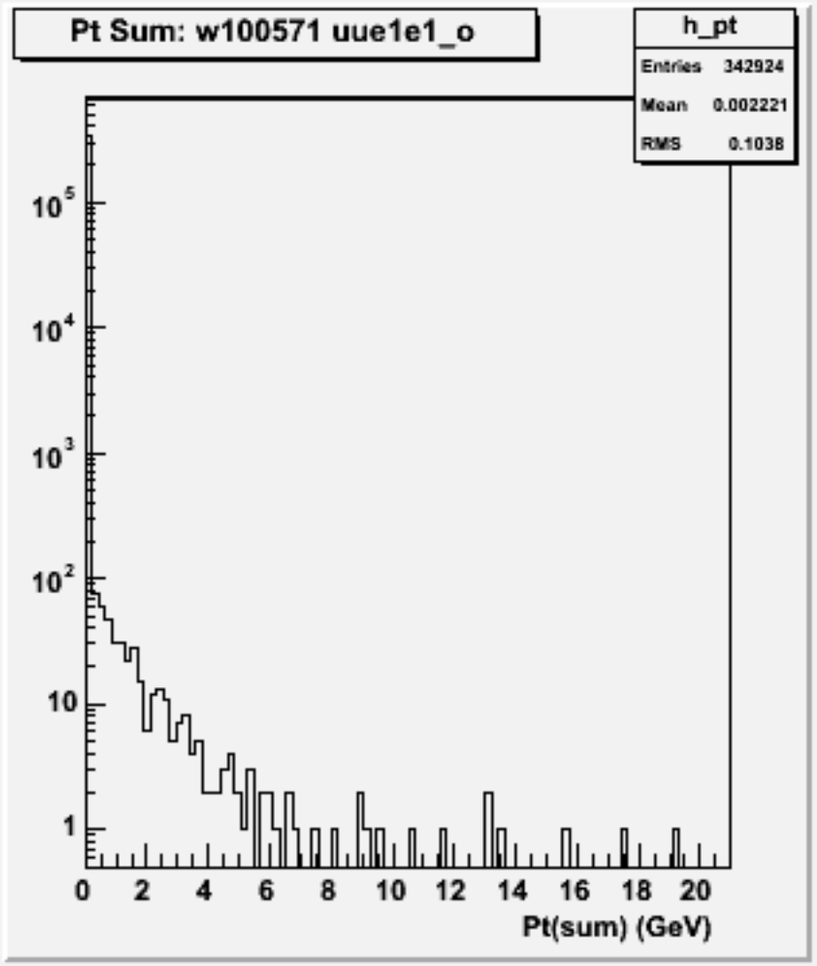

Pz Sum: w100571 uue1e1_o
h_pz
Entries 342924
Mean -0.003913
RMS 6.385
Pz(sum) (GeV)

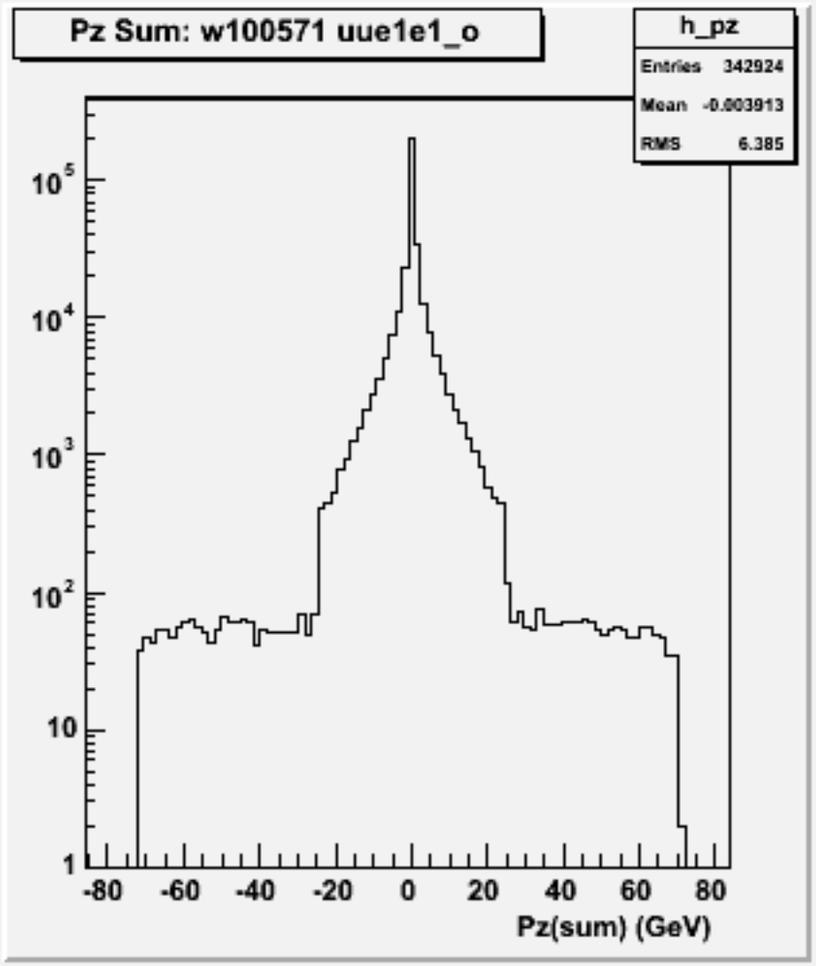

Thrust w100571 uue1e1_o
h_thrust
Entries 342924
Mean 0.9649
RMS 0.04378
Thrust

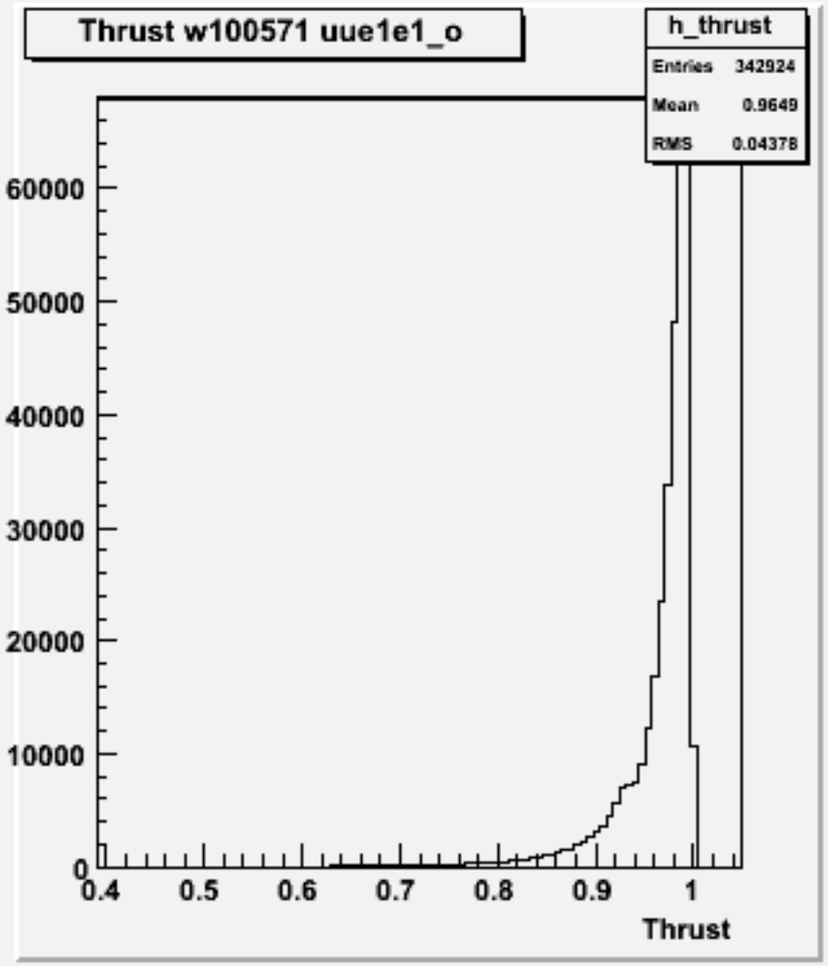

Total Energy (inc. ν): w100571 uue1e1_o
h_etot
Entries 342924
Mean 347.2
RMS 6.491
Total Energy(GeV)

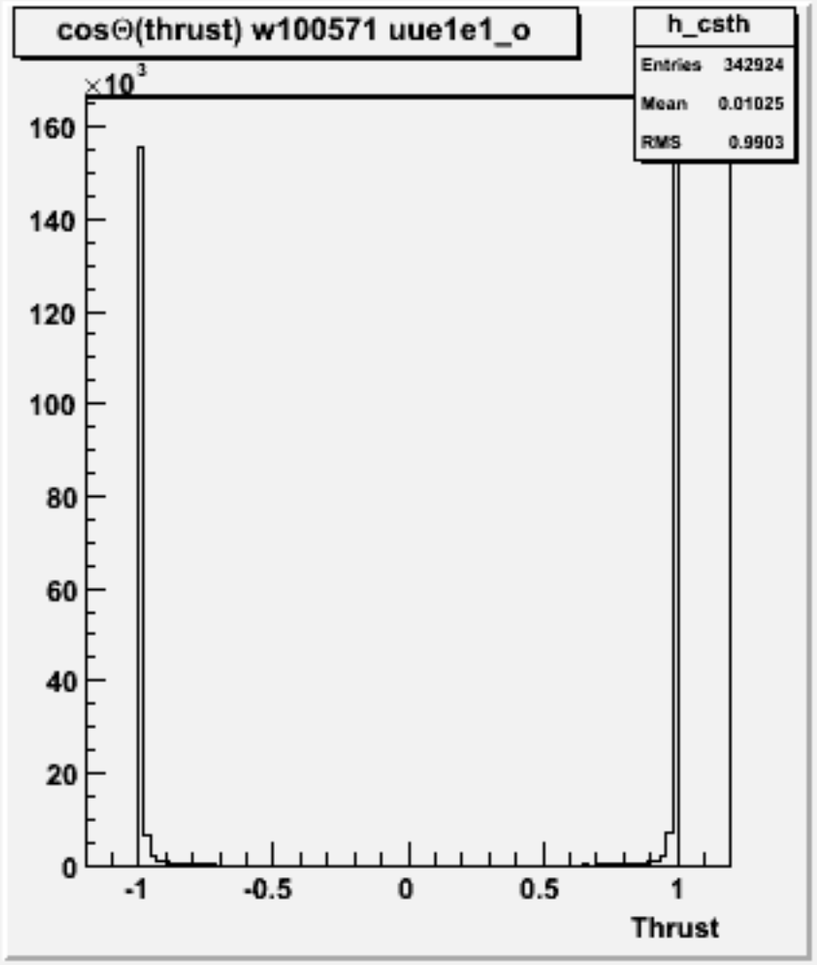

Total Energy (inc. ν): w100571 uue1e1_o
h_etotc
Entries 314507
Mean 348.7
RMS 2.294
Total Energy(GeV)

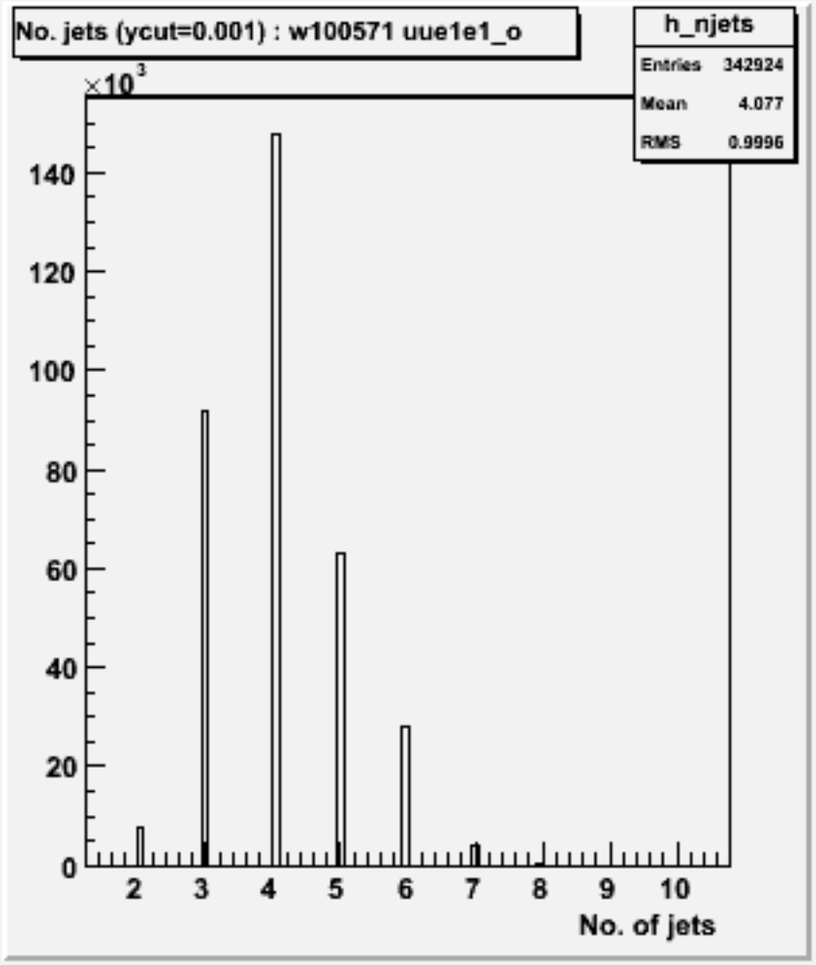

Total Energy (w/o ν): w100571 uue1e1_o
h_evis
Entries 342924
Mean 347.2
RMS 6.495
Energy(GeV)

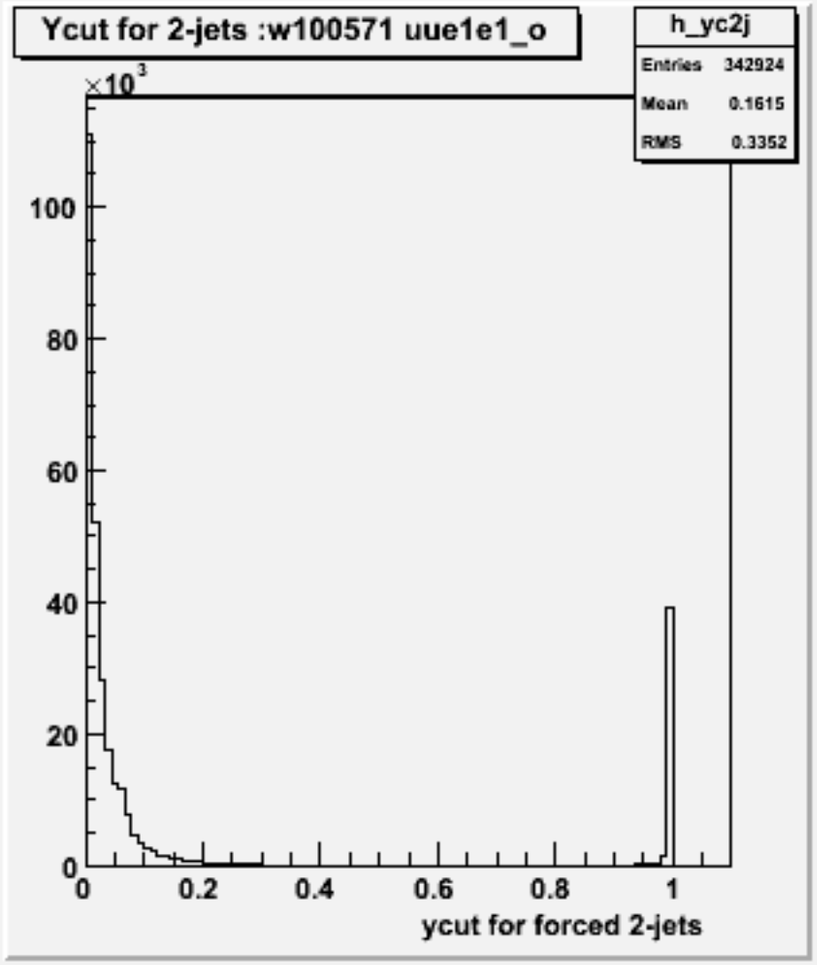

Pt Sum: w100571 uue1e1_o
h_pt
Entries 342924
Mean 0.002221
RMS 0.1038
Pt(sum) (GeV)

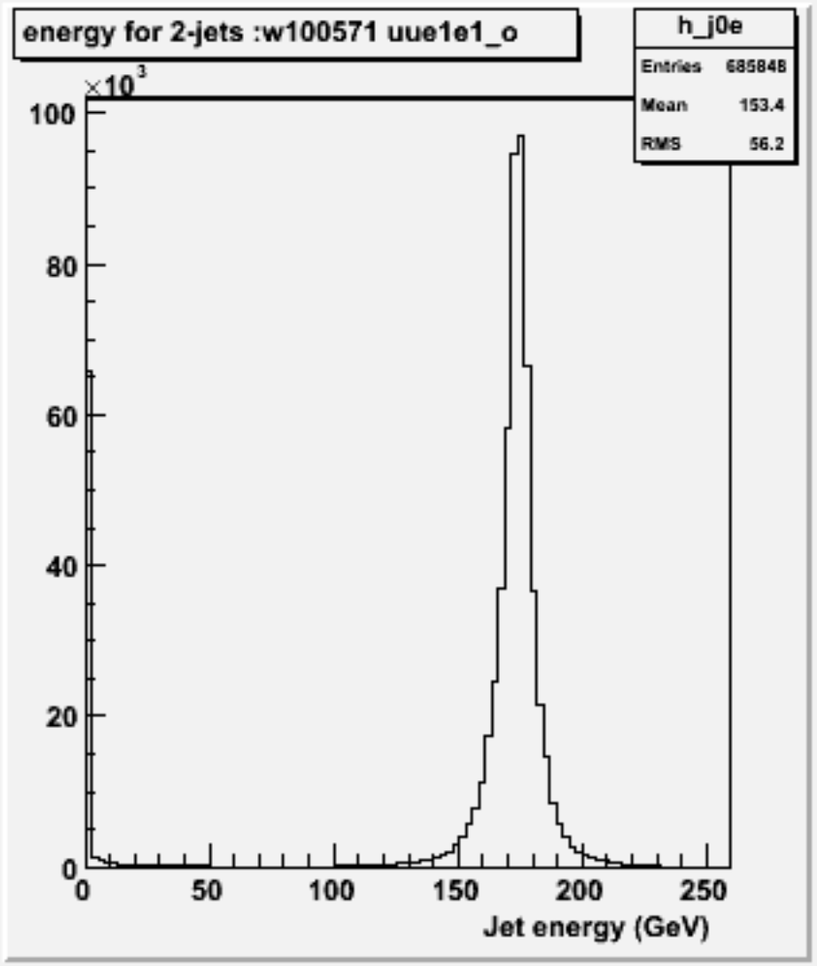

Pz Sum: w100571 uue1e1_o
h_pz
Entries 342924
Mean -0.003913
RMS 6.385
Pz(sum) (GeV)

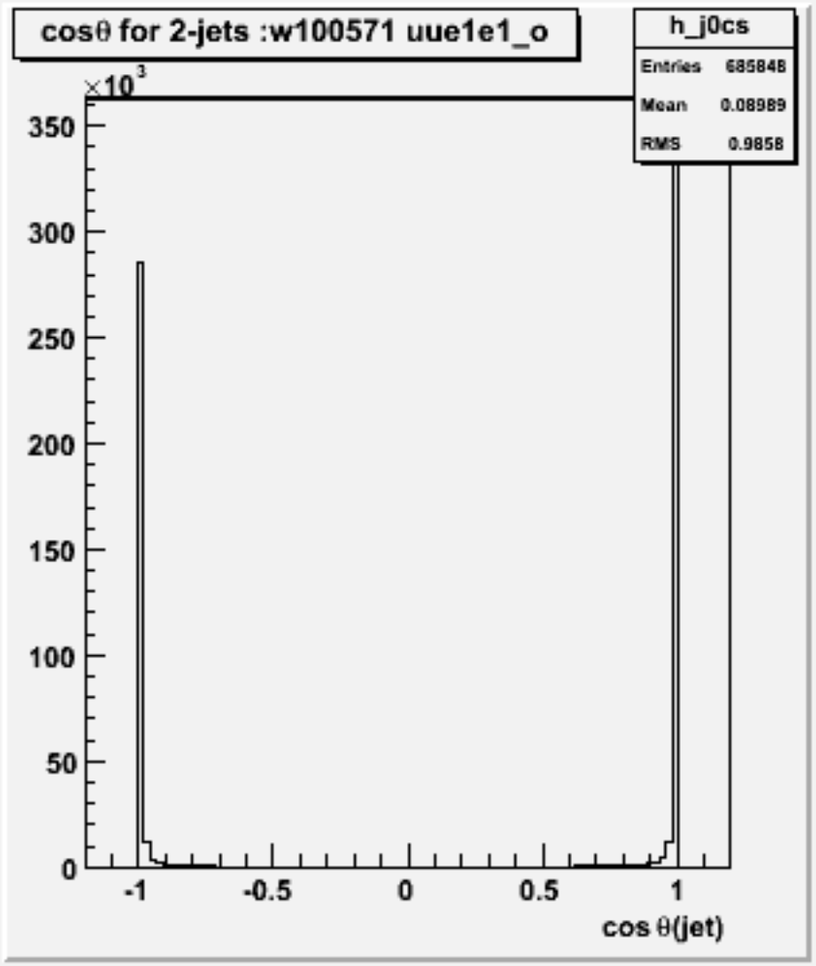

Thrust w100571 uue1e1_o
h_thrust
Entries 342924
Mean 0.9649
RMS 0.04378
Thrust

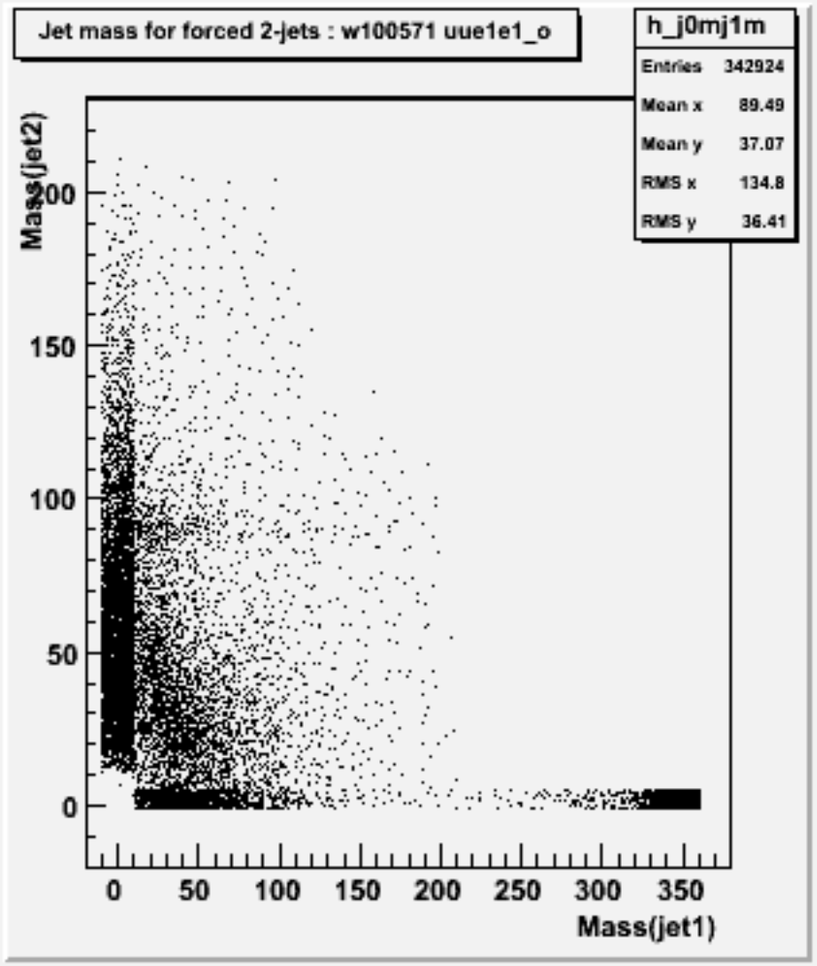

cosΘ(thrust) w100571 uue1e1_o
h_csth
Entries 342924
Mean 0.01025
RMS 0.9903
×10^3
Thrust

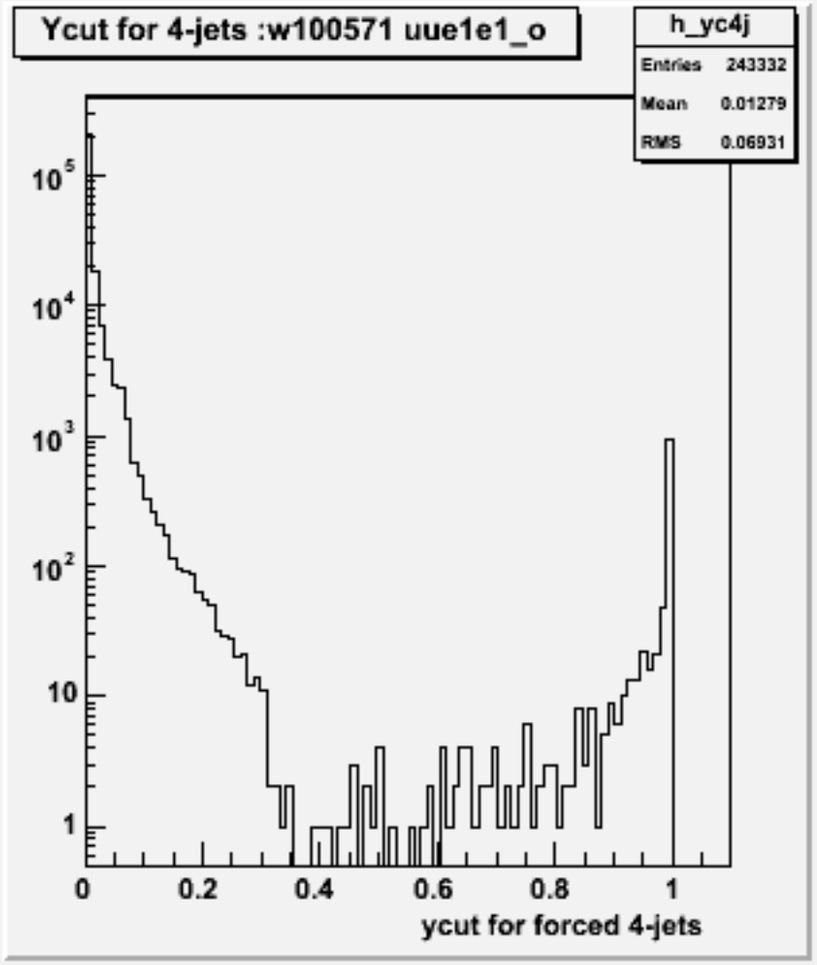

No. jets (ycut=0.001) : w100571 uue1e1_o
h_njets
Entries 342924
Mean 4.077
RMS 0.9996
×10^3
No. of jets

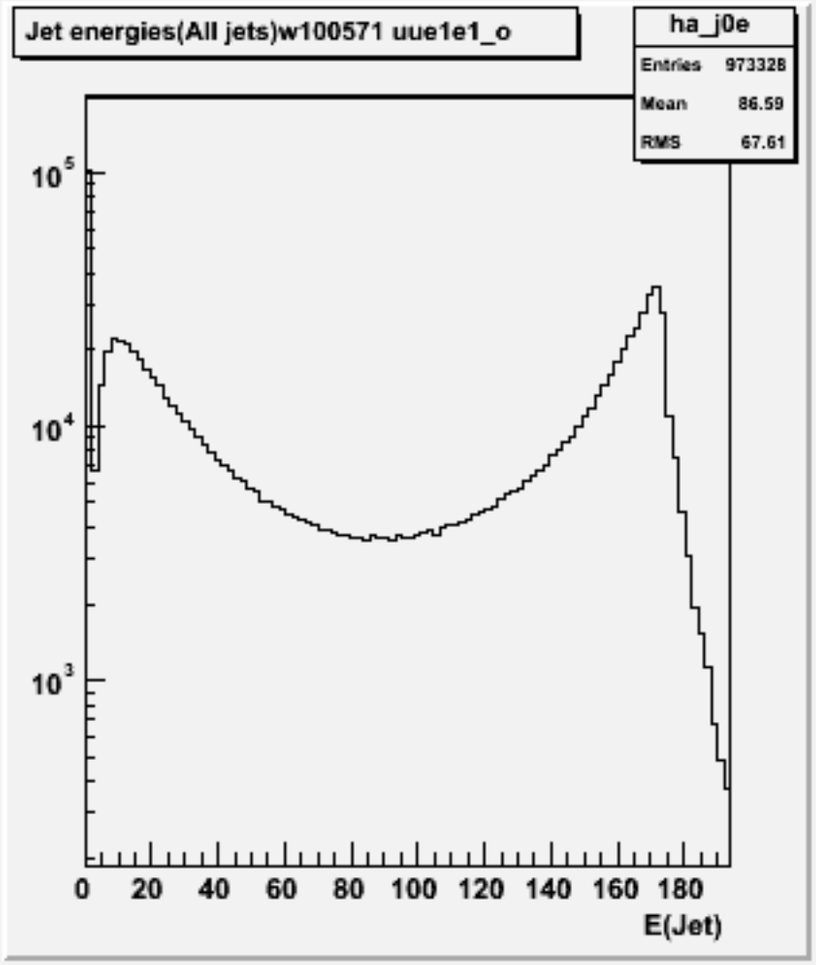

Ycut for 2-jets :w100571 uue1e1_o
h_yc2j
Entries 342924
Mean 0.1615
RMS 0.3352
×10^3
ycut for forced 2-jets

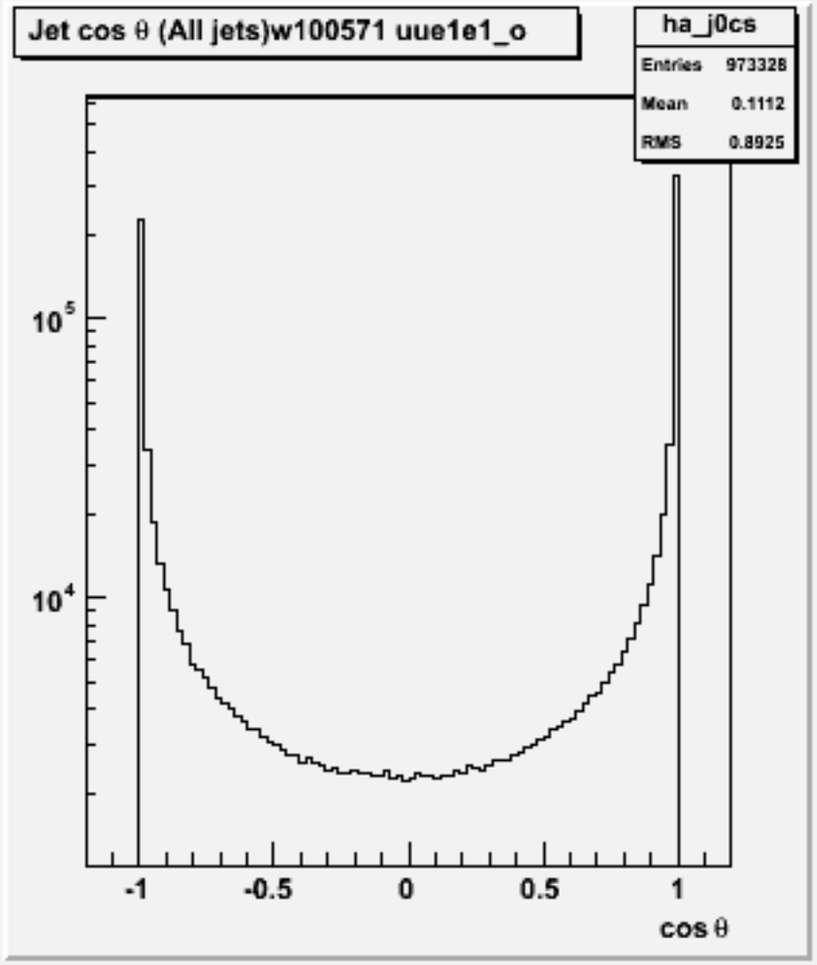

energy for 2-jets :w100571 uue1e1_o
h_j0e
Entries 685848
Mean 153.4
RMS 56.2
×10^3
Jet energy (GeV)

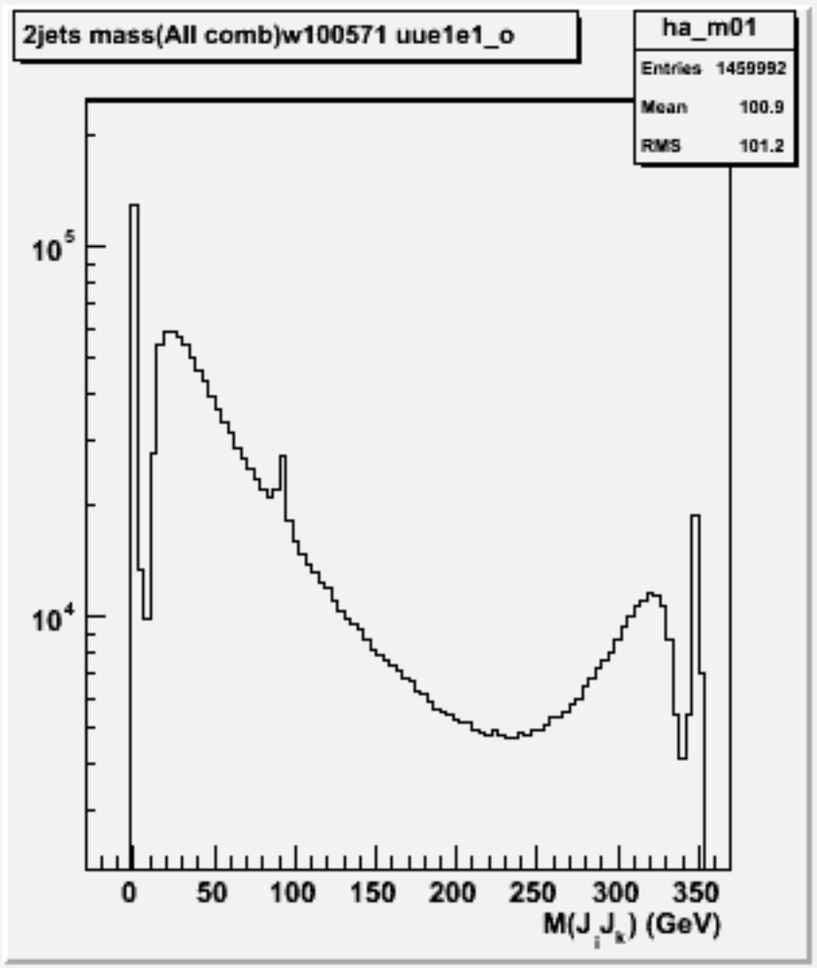

cosθ for 2-jets :w100571 uue1e1_o
h_j0cs
Entries 685848
Mean 0.08989
RMS 0.9858
×10^3
cos θ(jet)

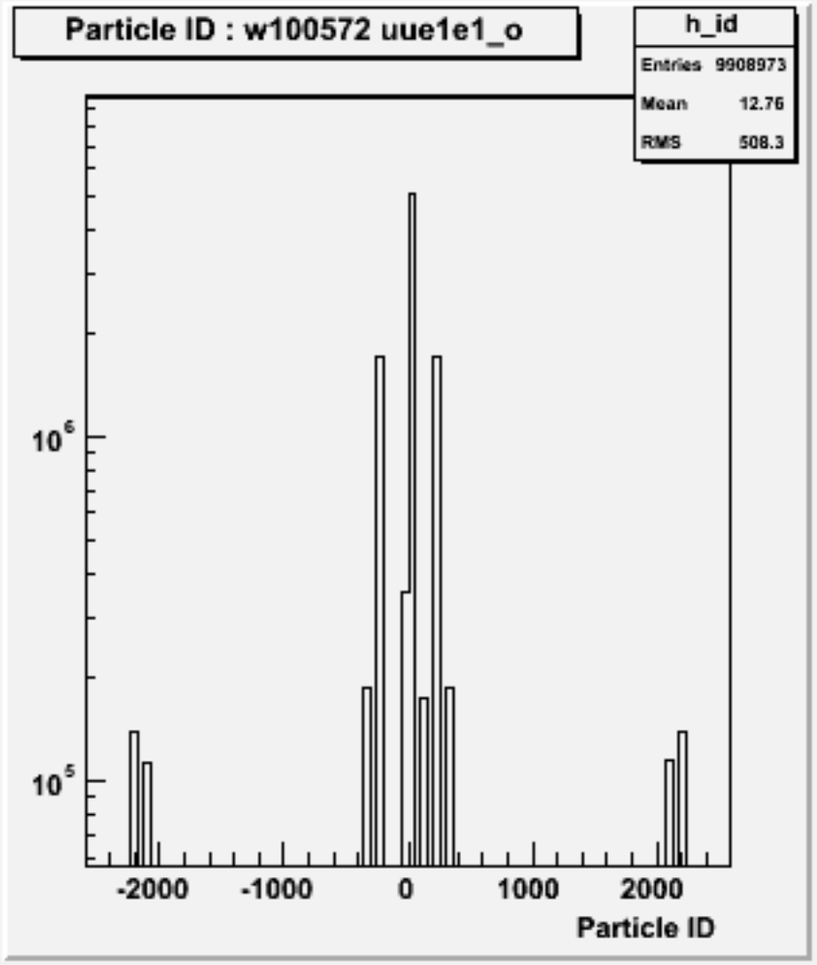

Jet mass for forced 2-jets : w100571 uue1e1_o
h_j0mj1m
Entries 342924
Mean x 89.49
Mean y 37.07
RMS x 134.8
RMS y 36.41
Mass(jet2)
Mass(jet1)

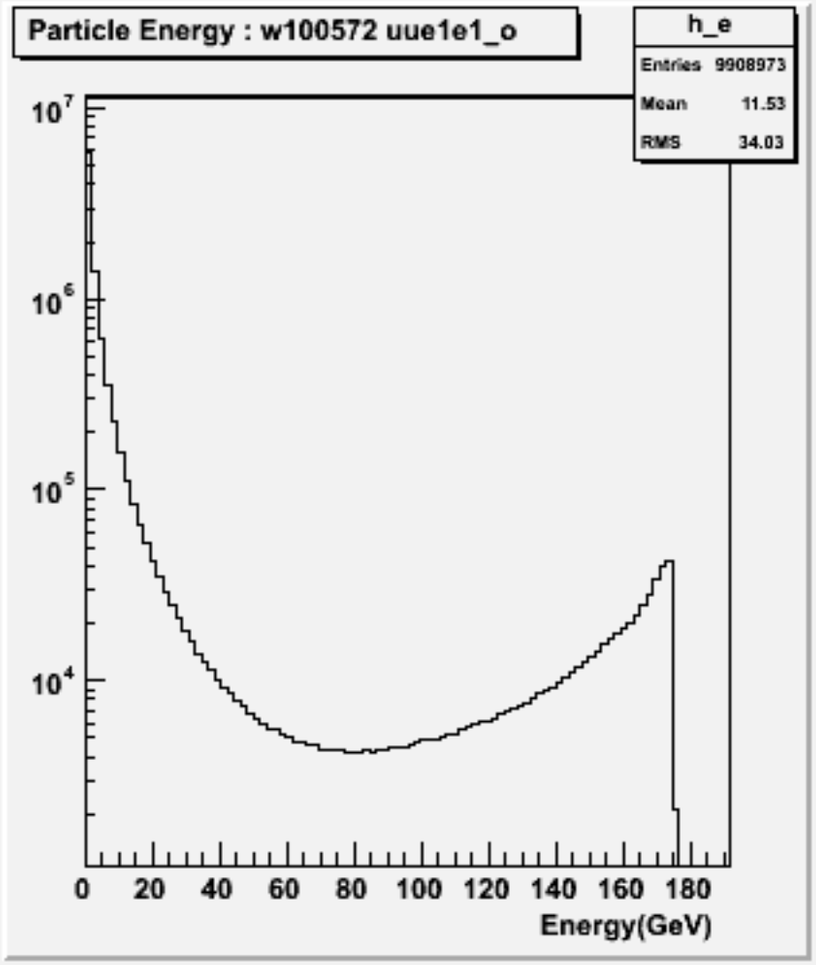

Ycut for 4-jets :w100571 uue1e1_o
h_yc4j
Entries 243332
Mean 0.01279
RMS 0.06931
ycut for forced 4-jets

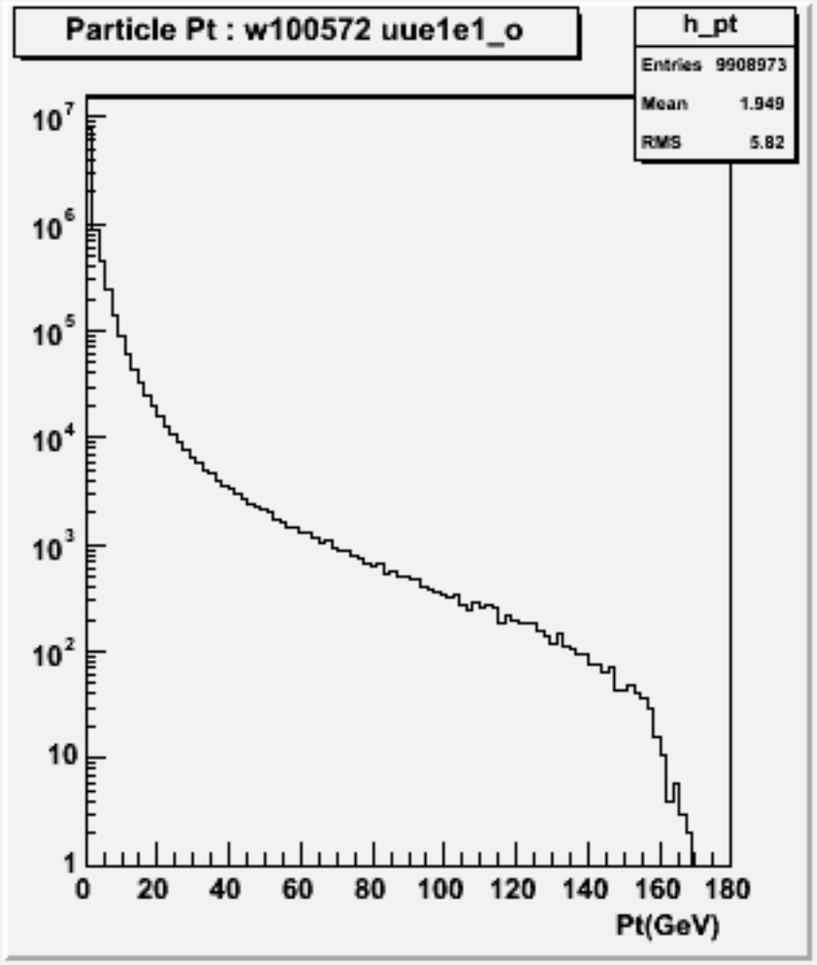

Jet energies(All jets)w100571 uue1e1_o
ha_j0e
Entries 973328
Mean 86.59
RMS 67.61
E(Jet)

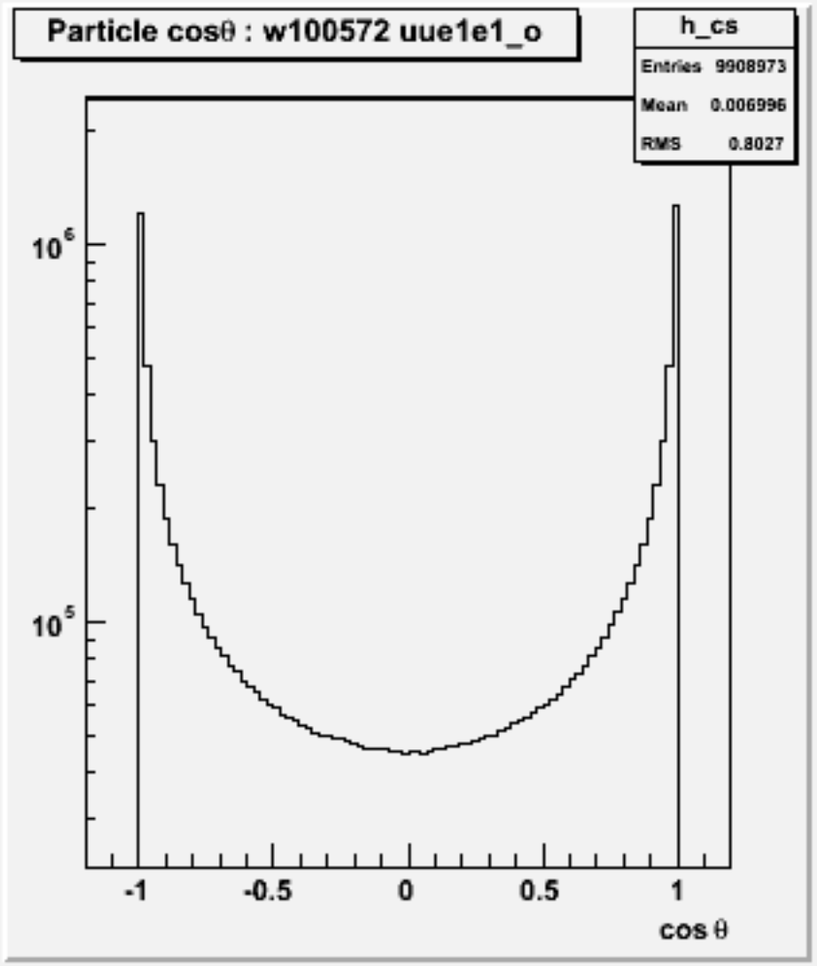

Jet cos θ (All jets)w100571 uue1e1_o
ha_j0cs
Entries 973328
Mean 0.1112
RMS 0.8925
cos θ

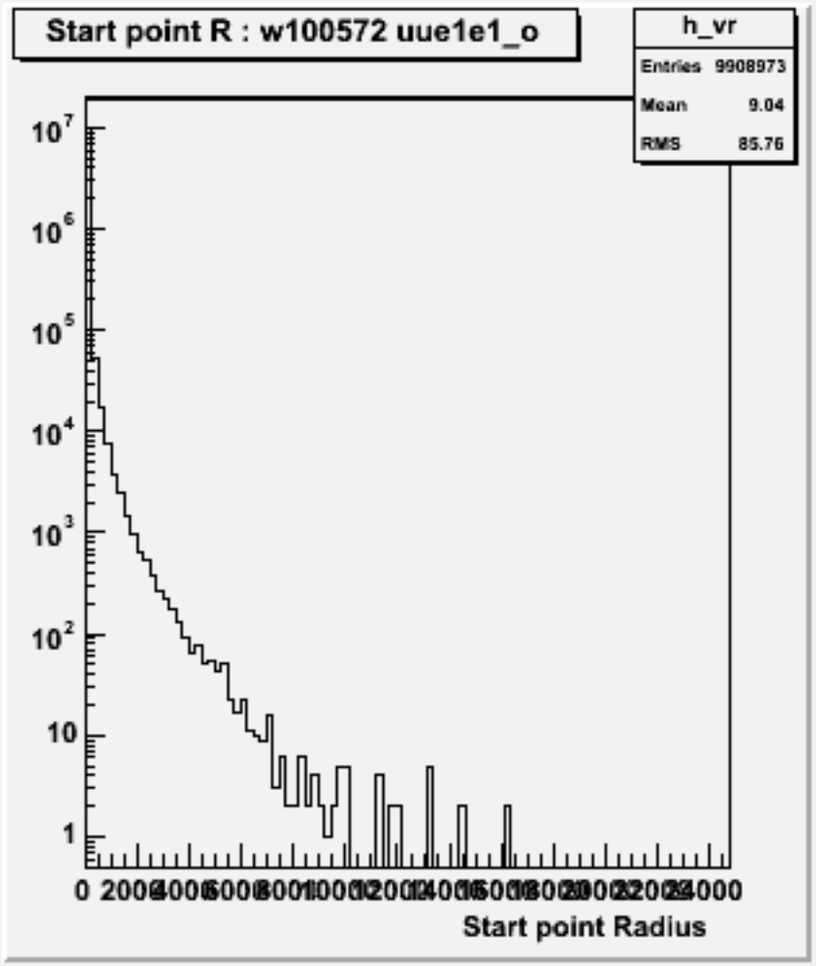

2jets mass(All comb)w100571 uue1e1_o
ha_m01
Entries 1459992
Mean 100.9
RMS 101.2
M(J_iJ_k) (GeV)

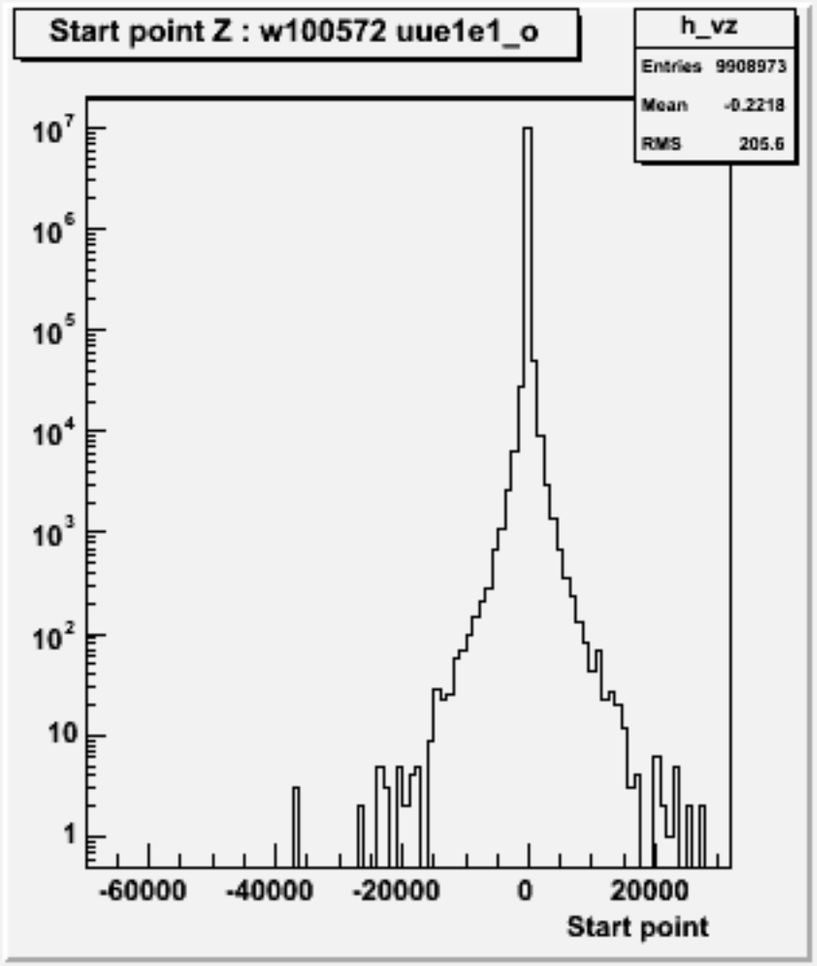

Particle ID : w100572 uue1e1_o
h_id
Entries 9908973
Mean 12.76
RMS 508.3
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

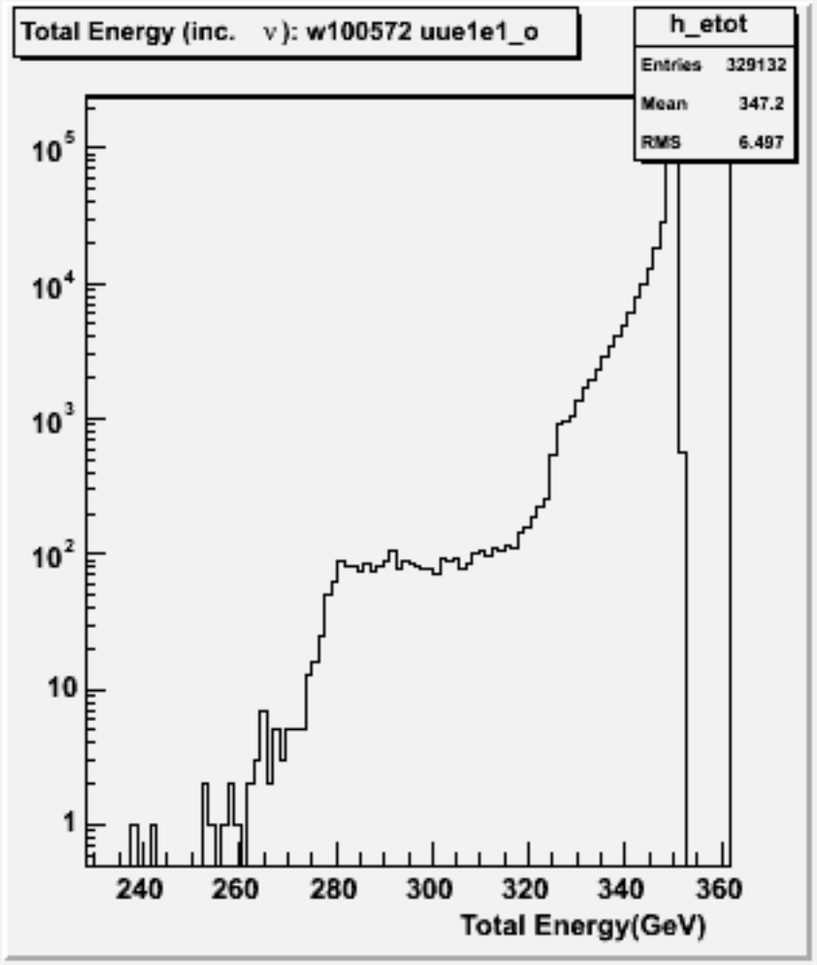

Particle Energy : w100572 uue1e1_o
h_e
Entries 9908973
Mean 11.53
RMS 34.03
10^7
10^6
10^5
10^4
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

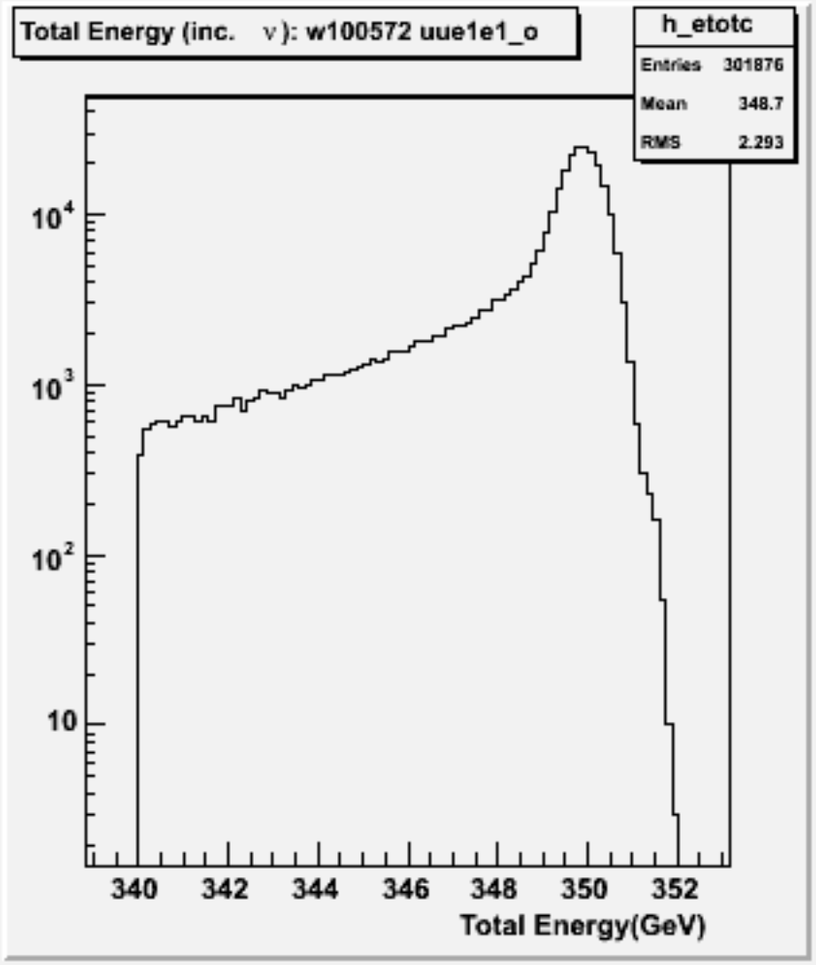

Particle Pt : w100572 uue1e1_o
h_pt
Entries 9908973
Mean 1.949
RMS 5.82
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

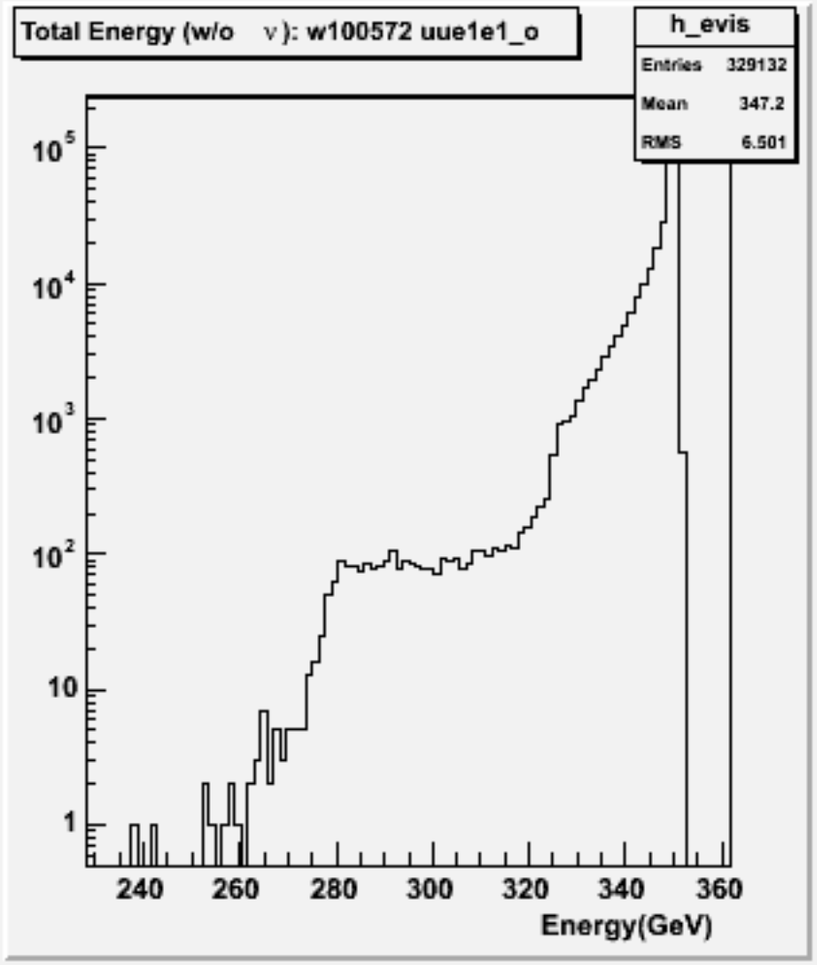

Particle cosθ : w100572 uue1e1_o
h_cs
Entries 9908973
Mean 0.006996
RMS 0.8027
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

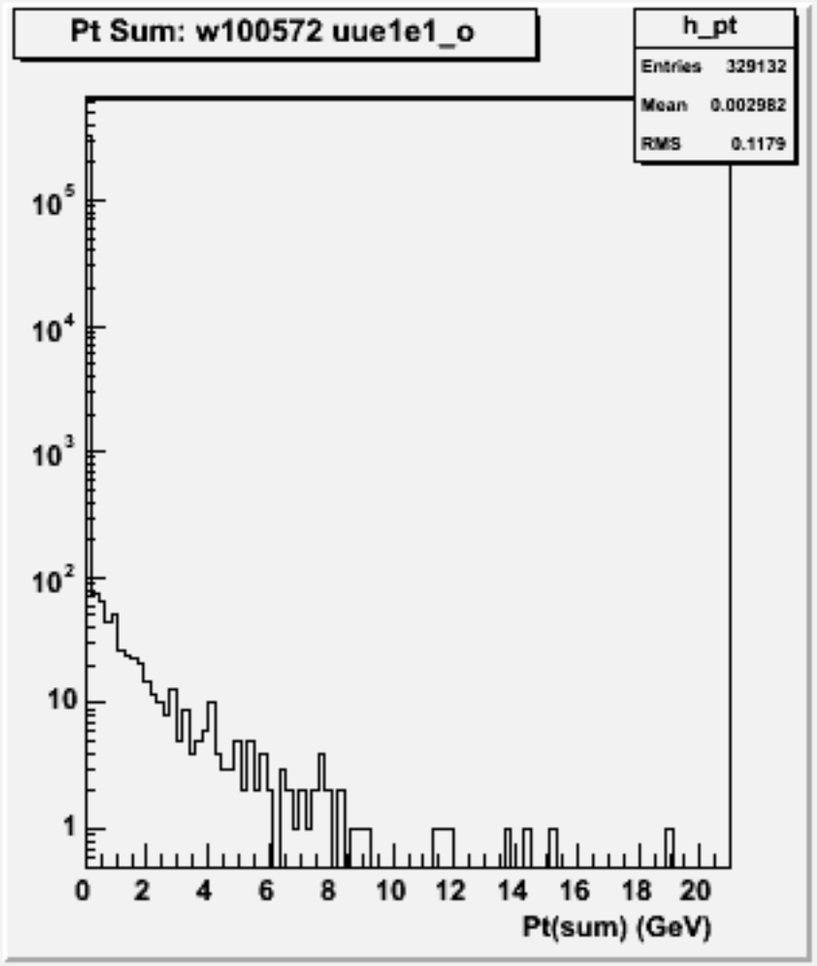

Start point R : w100572 uue1e1_o
h_vr
Entries 9908973
Mean 9.04
RMS 85.76
10^7
10^6
10^5
10^4
10^3
10^2
10
1
Start point Radius

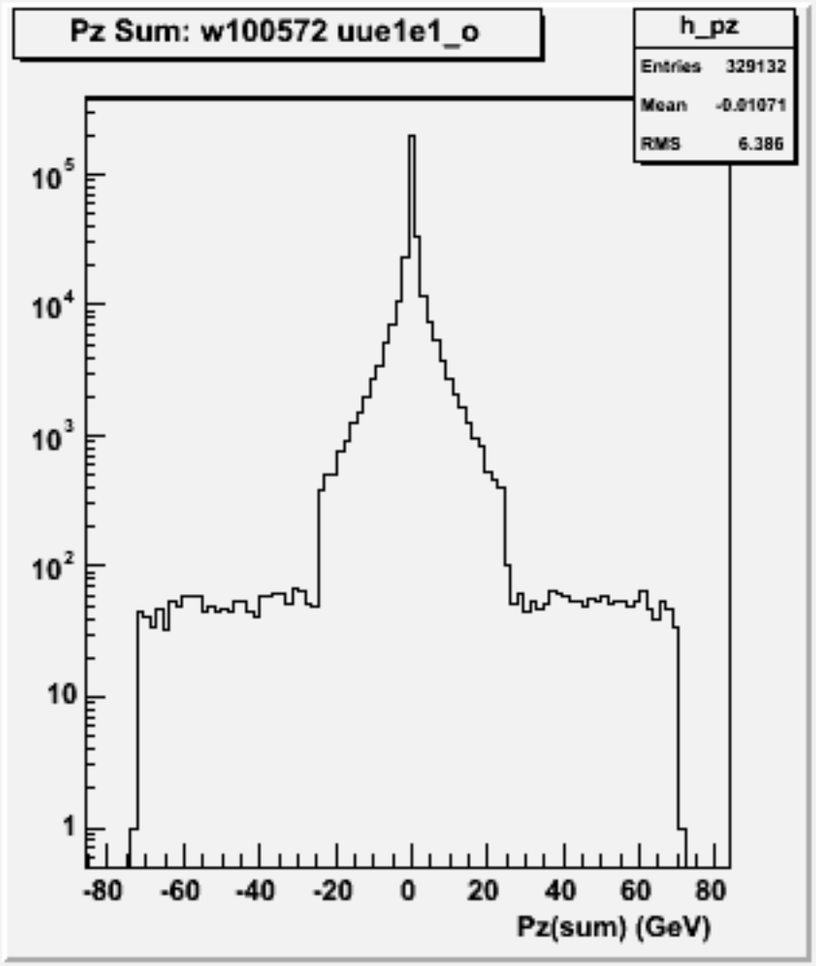

Start point Z : w100572 uue1e1_o
h_vz
Entries 9908973
Mean -0.2218
RMS 205.6
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-60000
-40000
-20000
0
20000
Start point

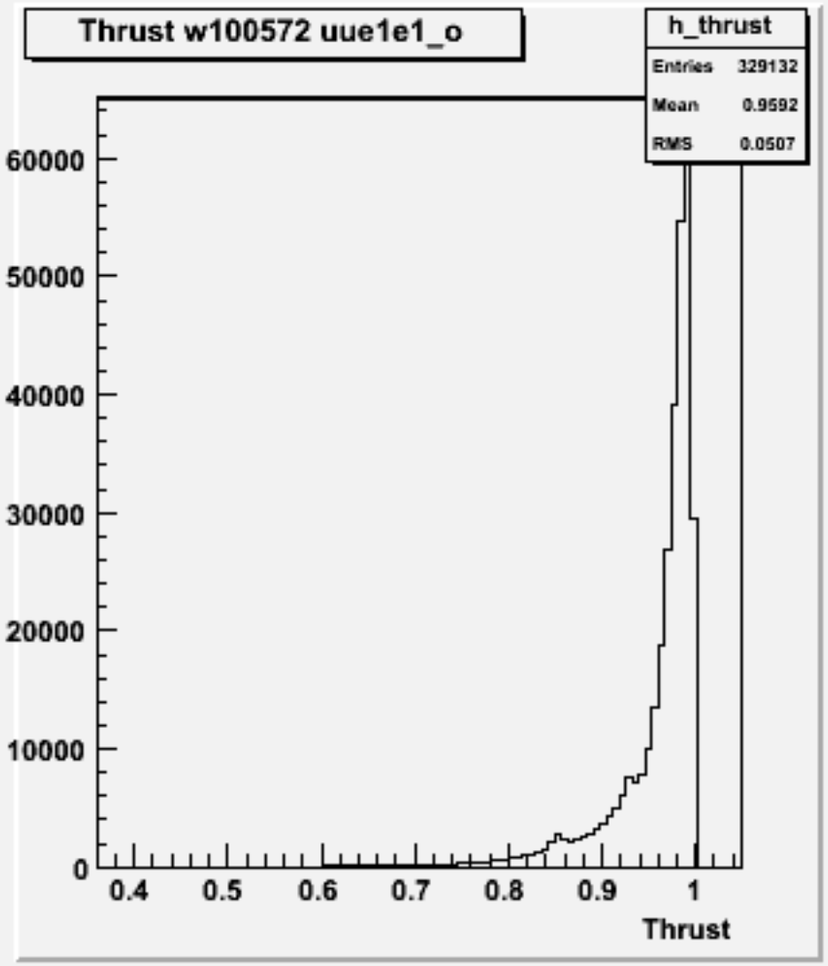

Total Energy (inc. ν): w100572 uue1e1_o
h_etot
Entries 329132
Mean 347.2
RMS 6.497
Total Energy(GeV)

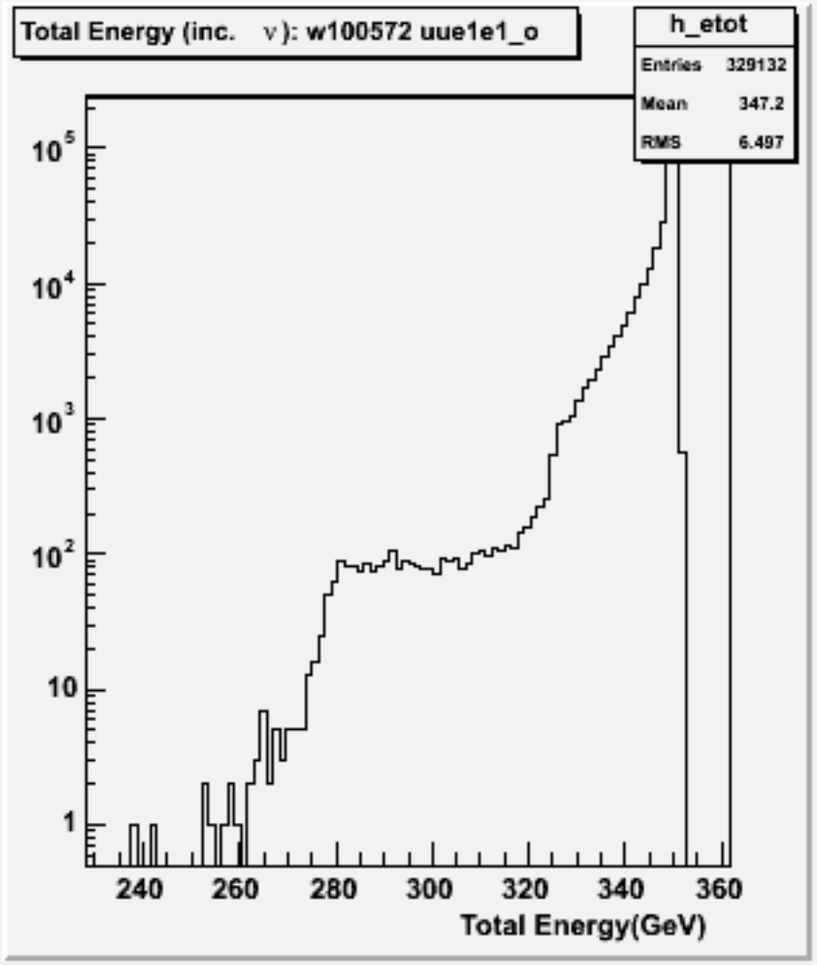

Total Energy (inc. ν): w100572 uue1e1_o
h_etotc
Entries 301876
Mean 348.7
RMS 2.293
Total Energy(GeV)

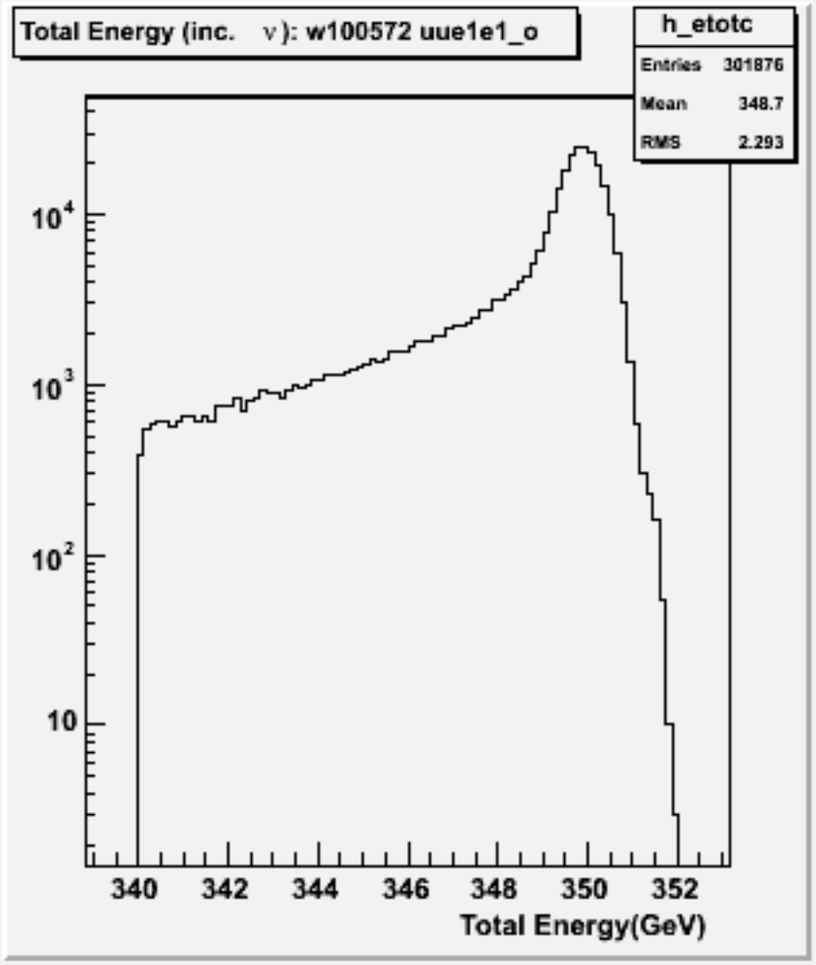

Total Energy (w/o ν): w100572 uue1e1_o
h_evis
Entries 329132
Mean 347.2
RMS 6.501
Energy(GeV)

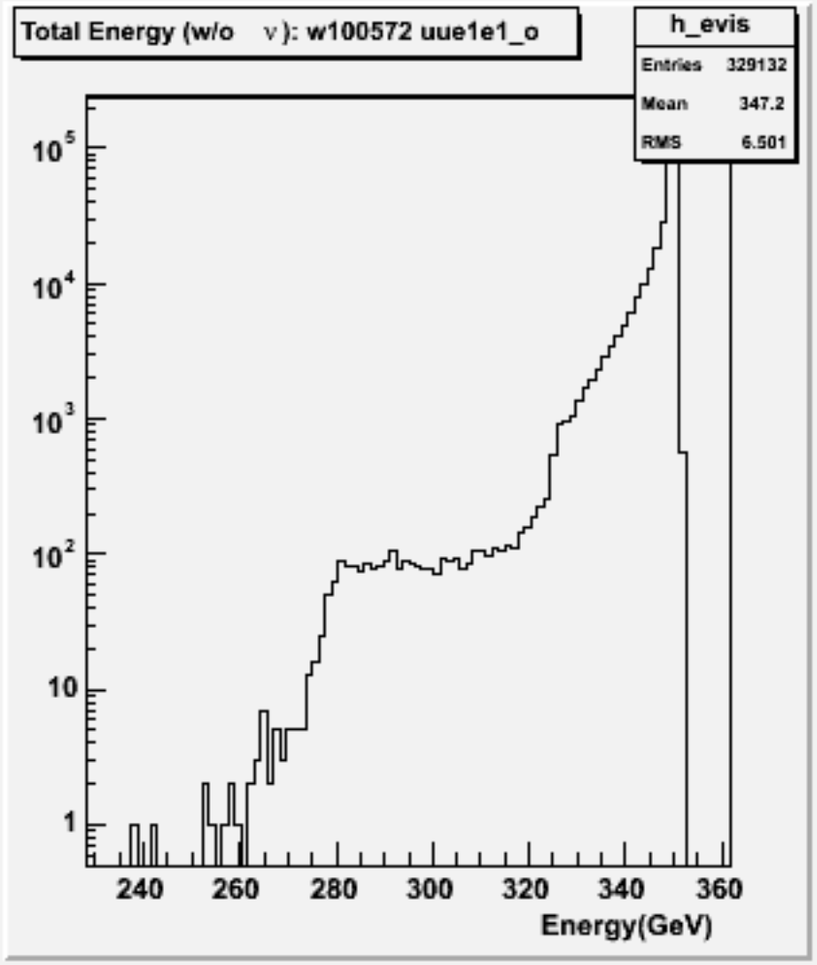

Pt Sum: w100572 uue1e1_o
h_pt
Entries 329132
Mean 0.002982
RMS 0.1179
Pt(sum) (GeV)

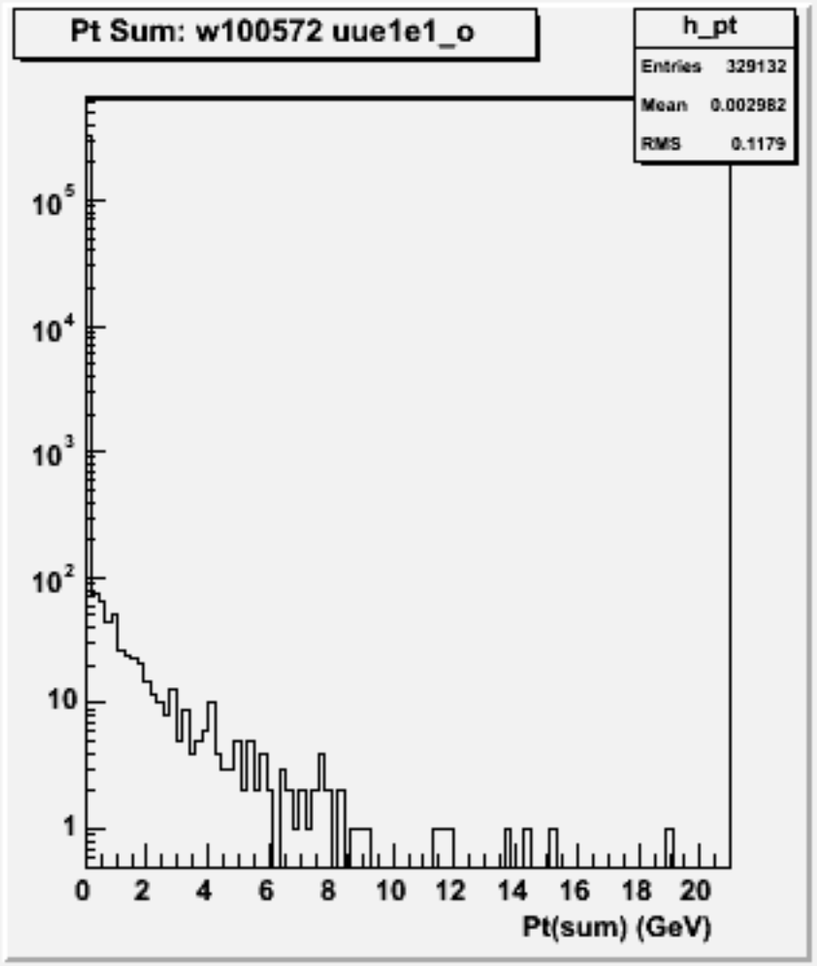

Pz Sum: w100572 uue1e1_o
h_pz
Entries 329132
Mean -0.01071
RMS 6.386
Pz(sum) (GeV)

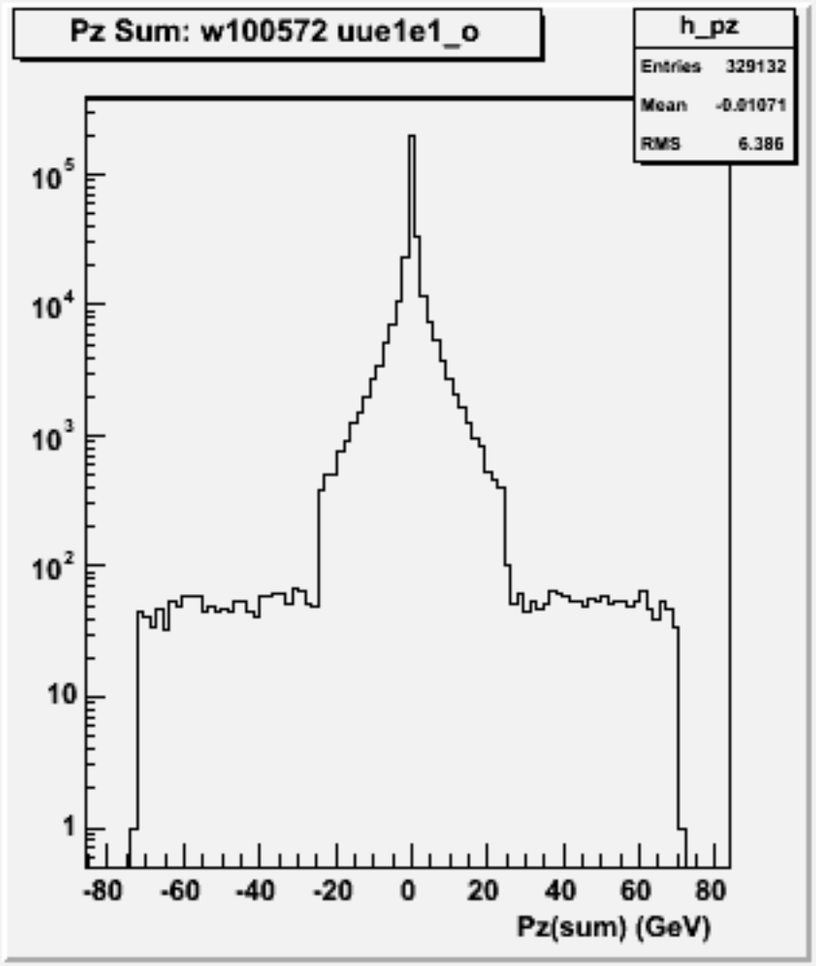

Thrust w100572 uue1e1_o
h_thrust
Entries 329132
Mean 0.9592
RMS 0.0507
Thrust

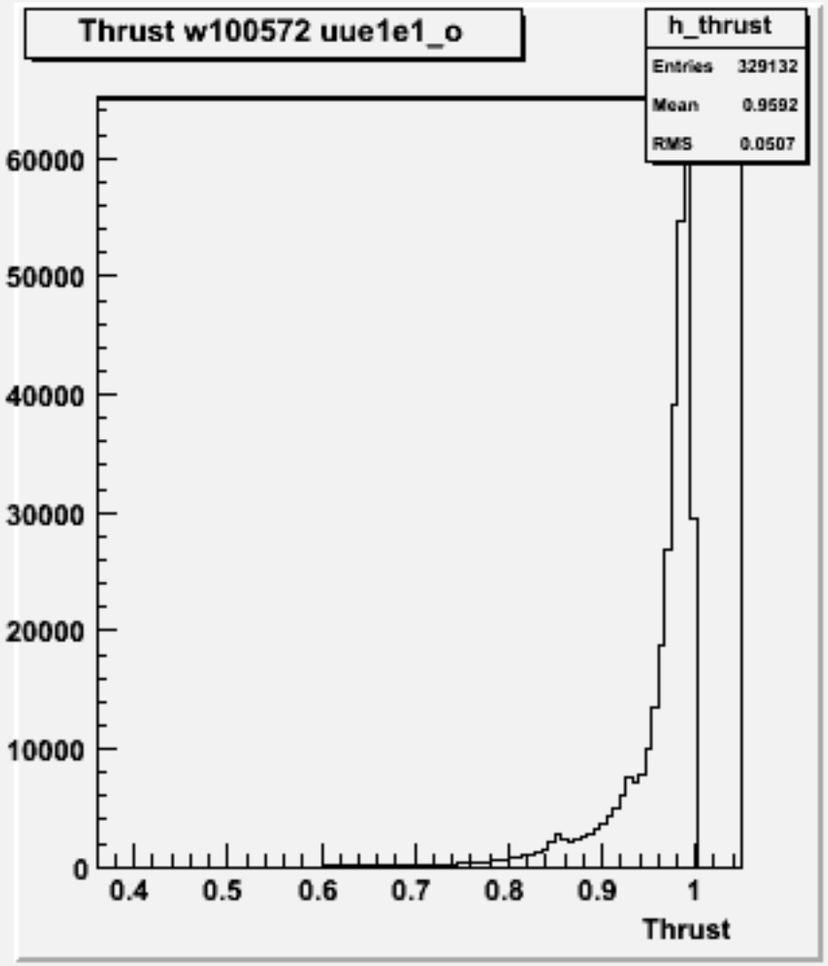

Total Energy (inc. ν): w100572 uue1e1_o
h_etot
Entries 329132
Mean 347.2
RMS 6.497
Total Energy(GeV)

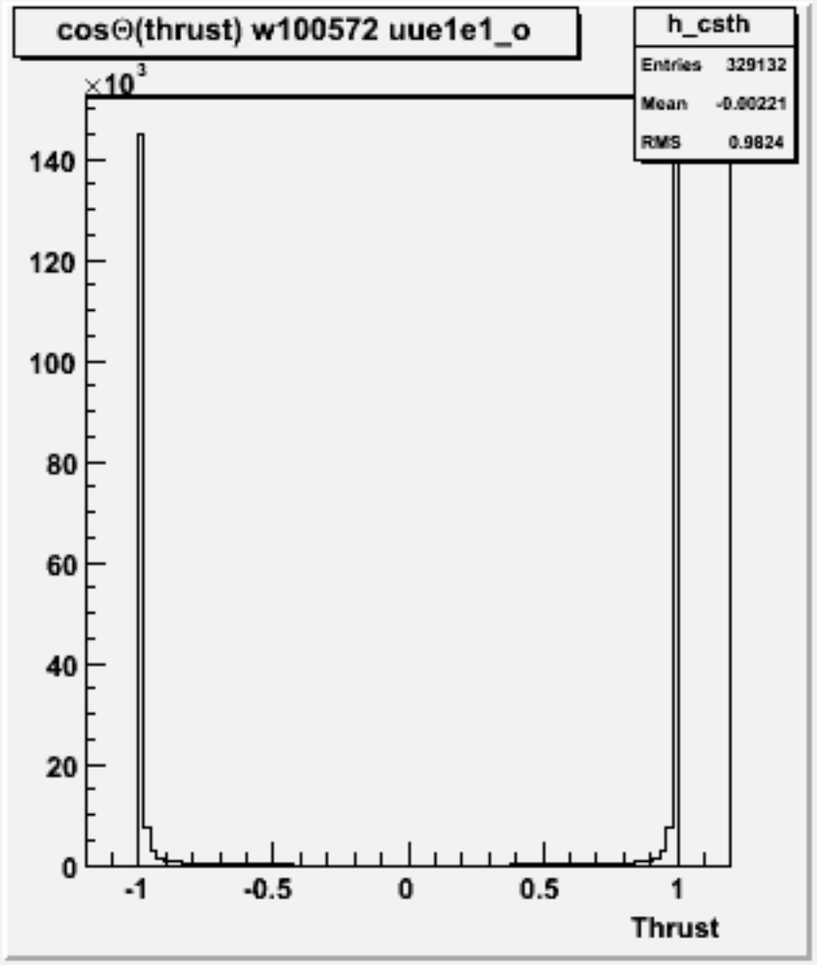

Total Energy (inc. ν): w100572 uue1e1_o
h_etotc
Entries 301876
Mean 348.7
RMS 2.293
Total Energy(GeV)

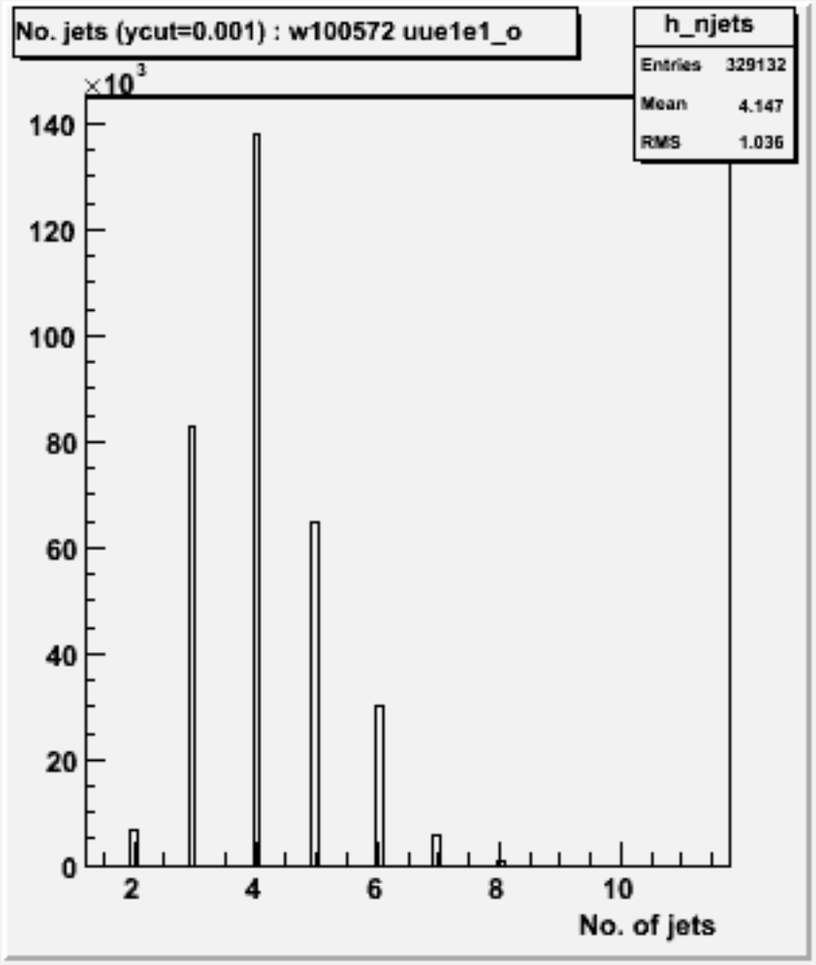

Total Energy (w/o ν): w100572 uue1e1_o
h_evis
Entries 329132
Mean 347.2
RMS 6.501
Energy(GeV)

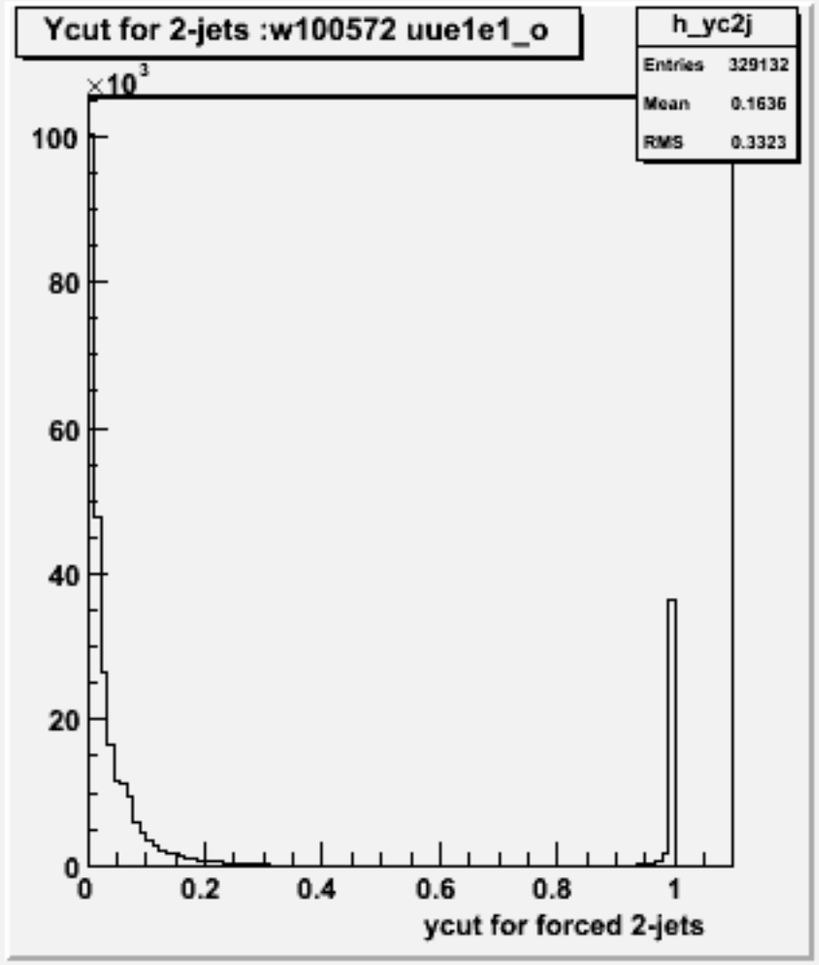

Pt Sum: w100572 uue1e1_o
h_pt
Entries 329132
Mean 0.002982
RMS 0.1179
Pt(sum) (GeV)

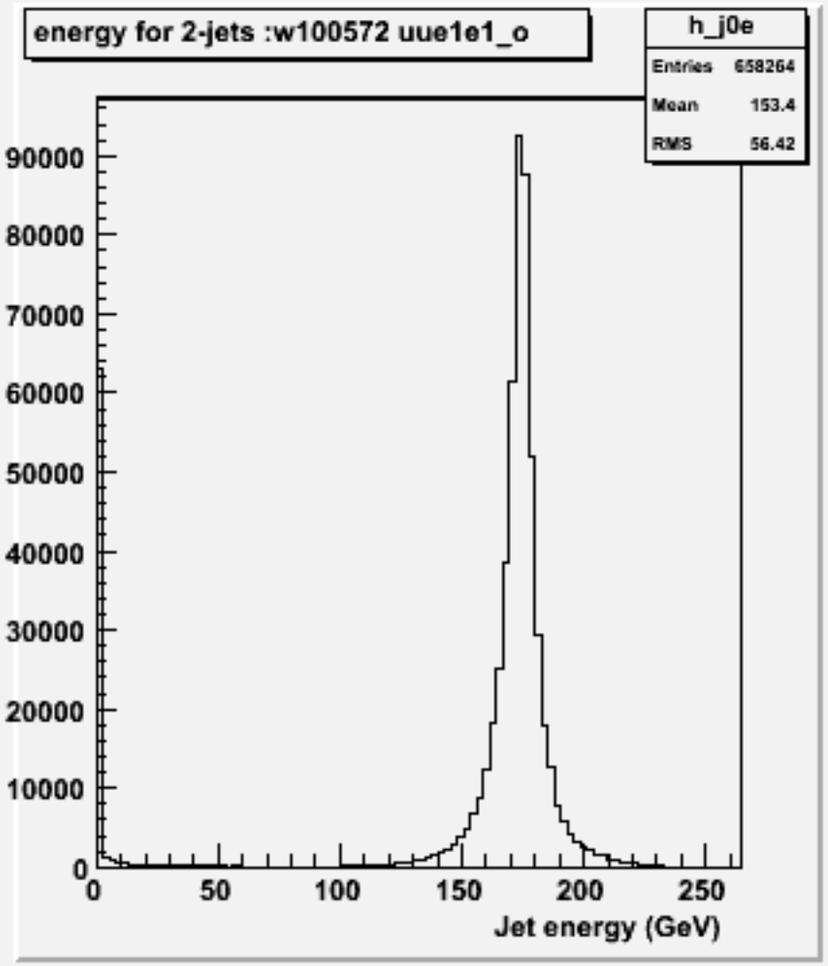

Pz Sum: w100572 uue1e1_o
h_pz
Entries 329132
Mean -0.01071
RMS 6.386
Pz(sum) (GeV)

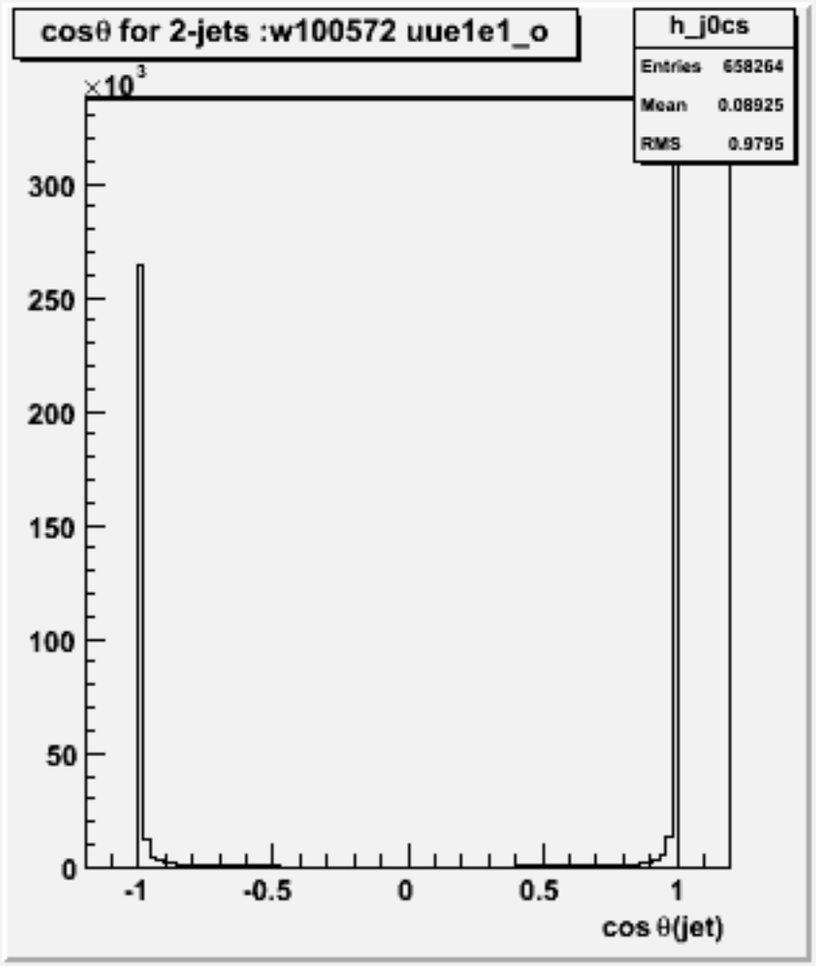

Thrust w100572 uue1e1_o
h_thrust
Entries 329132
Mean 0.9592
RMS 0.0507
Thrust

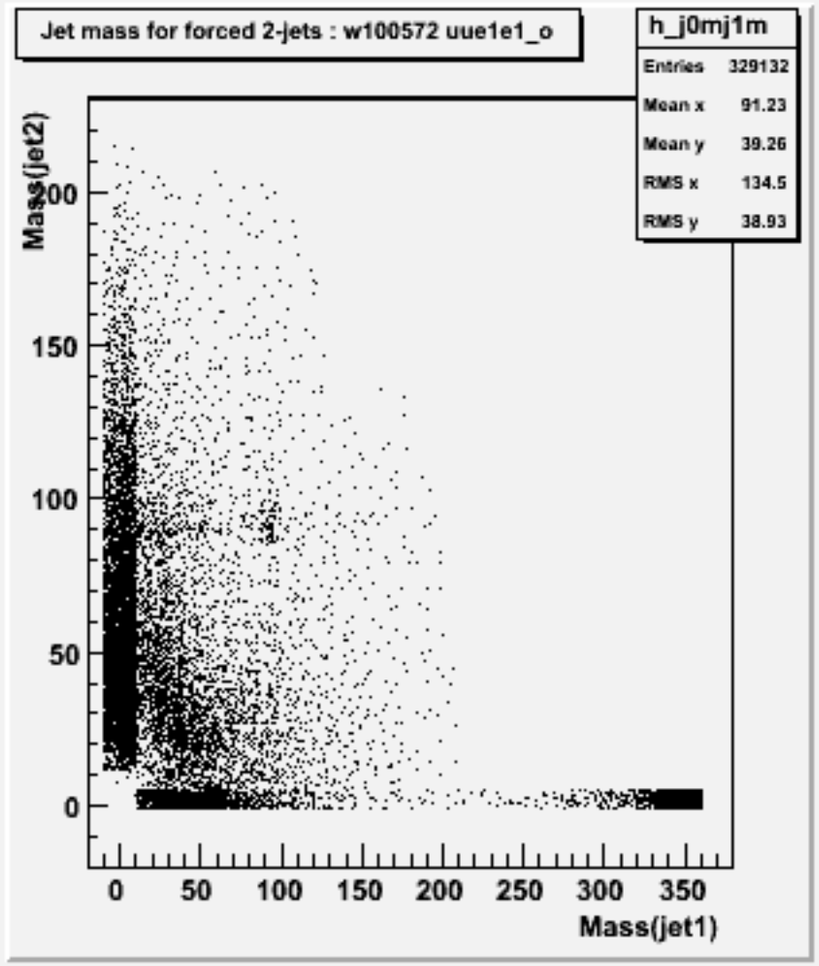

cosΘ(thrust) w100572 uue1e1_o
h_csth
Entries 329132
Mean -0.00221
RMS 0.9824
×10^3
Thrust

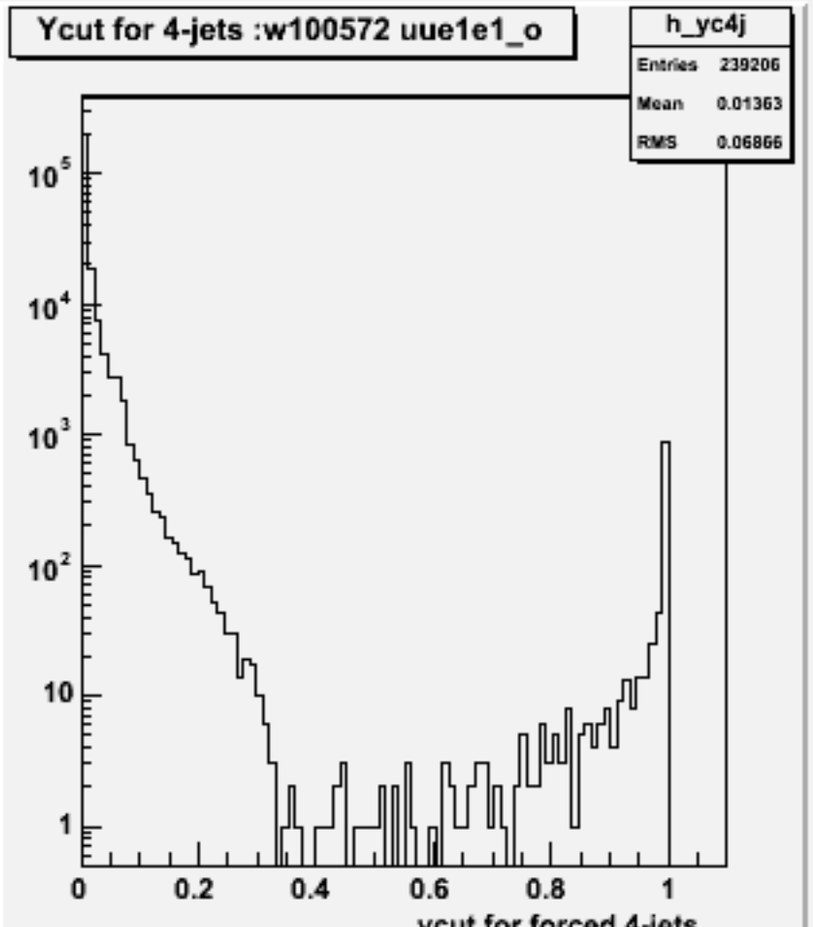

No. jets (ycut=0.001) : w100572 uue1e1_o
h_njets
Entries 329132
Mean 4.147
RMS 1.036
×10^3
No. of jets

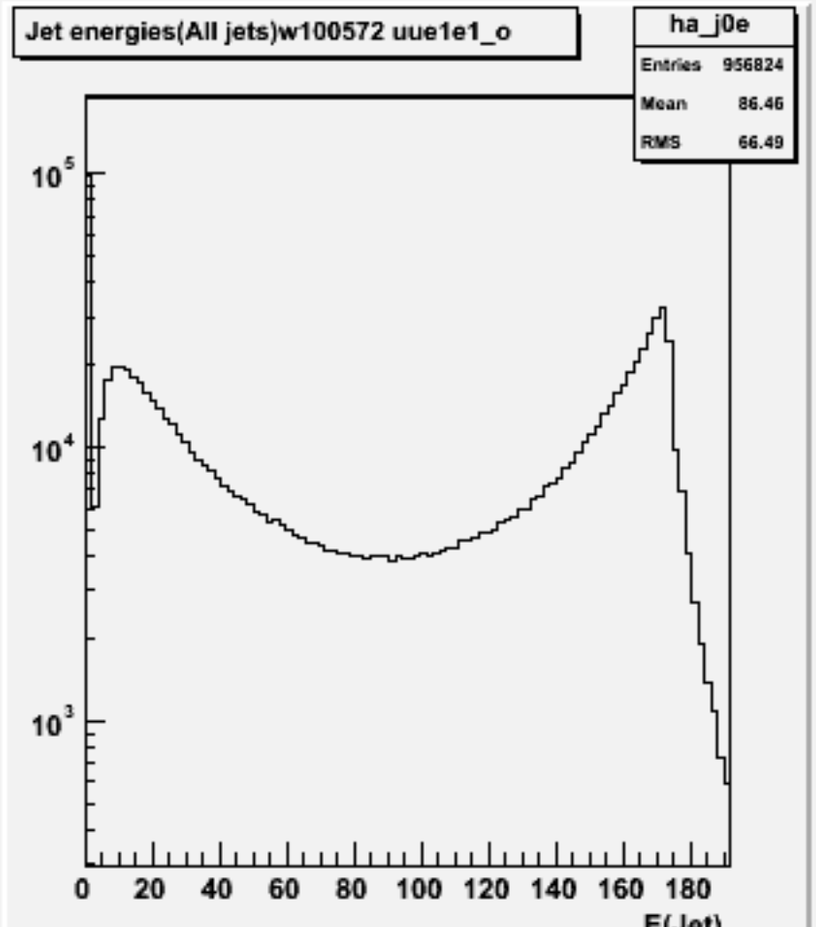

Ycut for 2-jets :w100572 uue1e1_o
h_yc2j
Entries 329132
Mean 0.1636
RMS 0.3323
×10^3
ycut for forced 2-jets

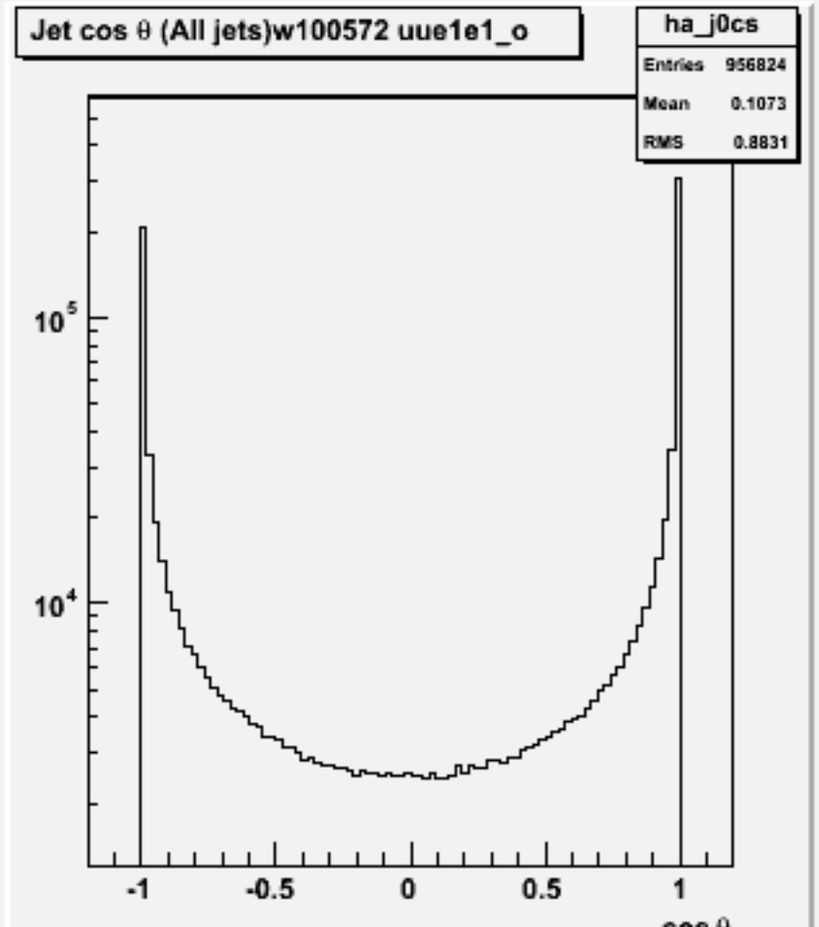

energy for 2-jets :w100572 uue1e1_o
h_j0e
Entries 658264
Mean 153.4
RMS 56.42
Jet energy (GeV)

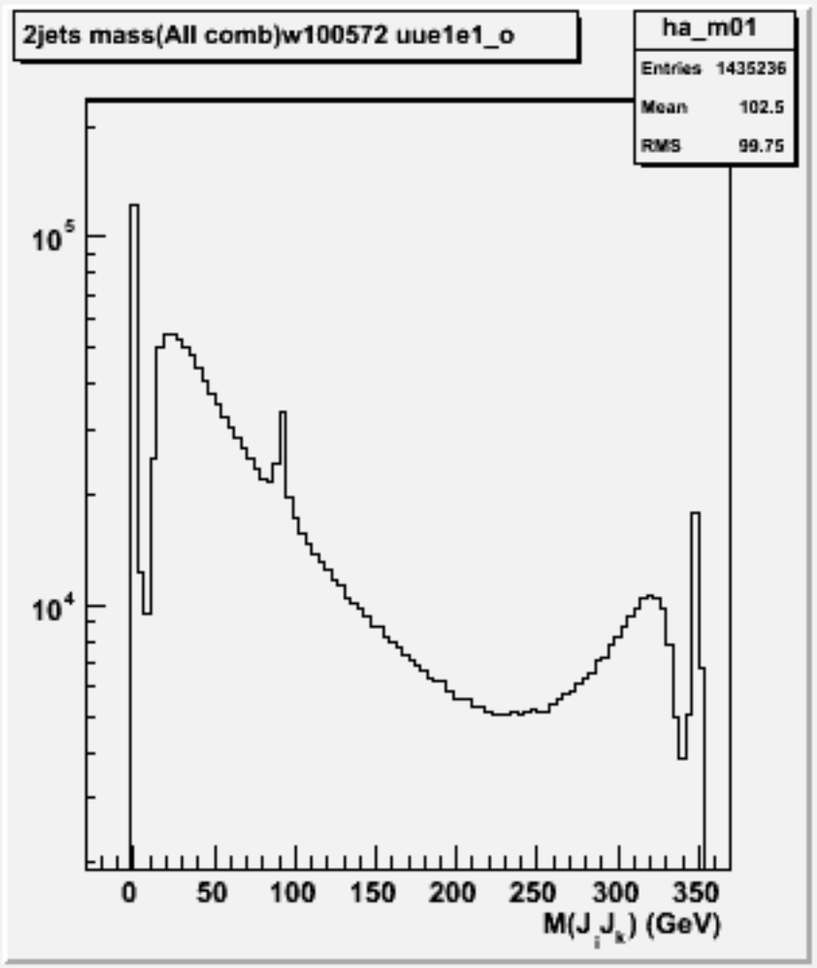

cosθ for 2-jets :w100572 uue1e1_o
h_j0cs
Entries 658264
Mean 0.08925
RMS 0.9795
×10^3
cos θ(jet)

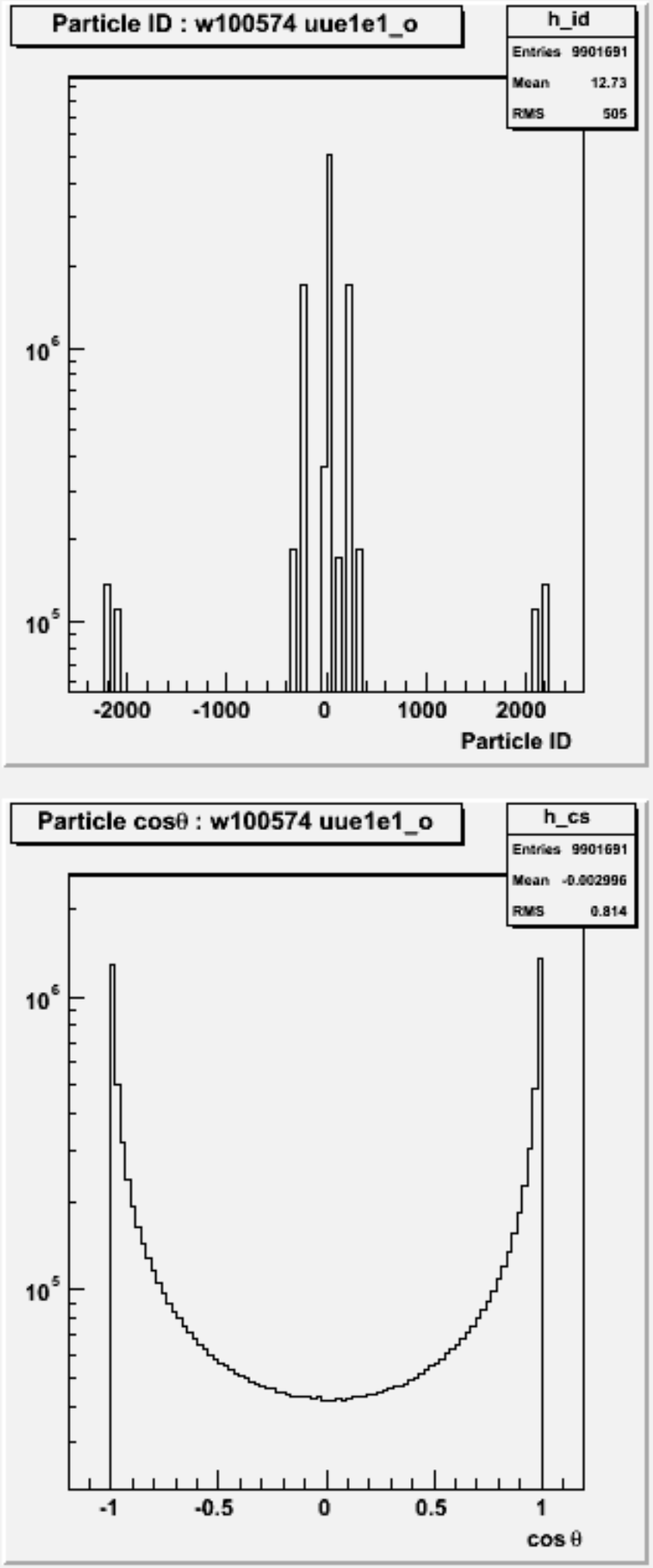

Jet mass for forced 2-jets : w100572 uue1e1_o
h_j0mj1m
Entries 329132
Mean x 91.23
Mean y 39.26
RMS x 134.5
RMS y 38.93
Mass(jet2)
Mass(jet1)

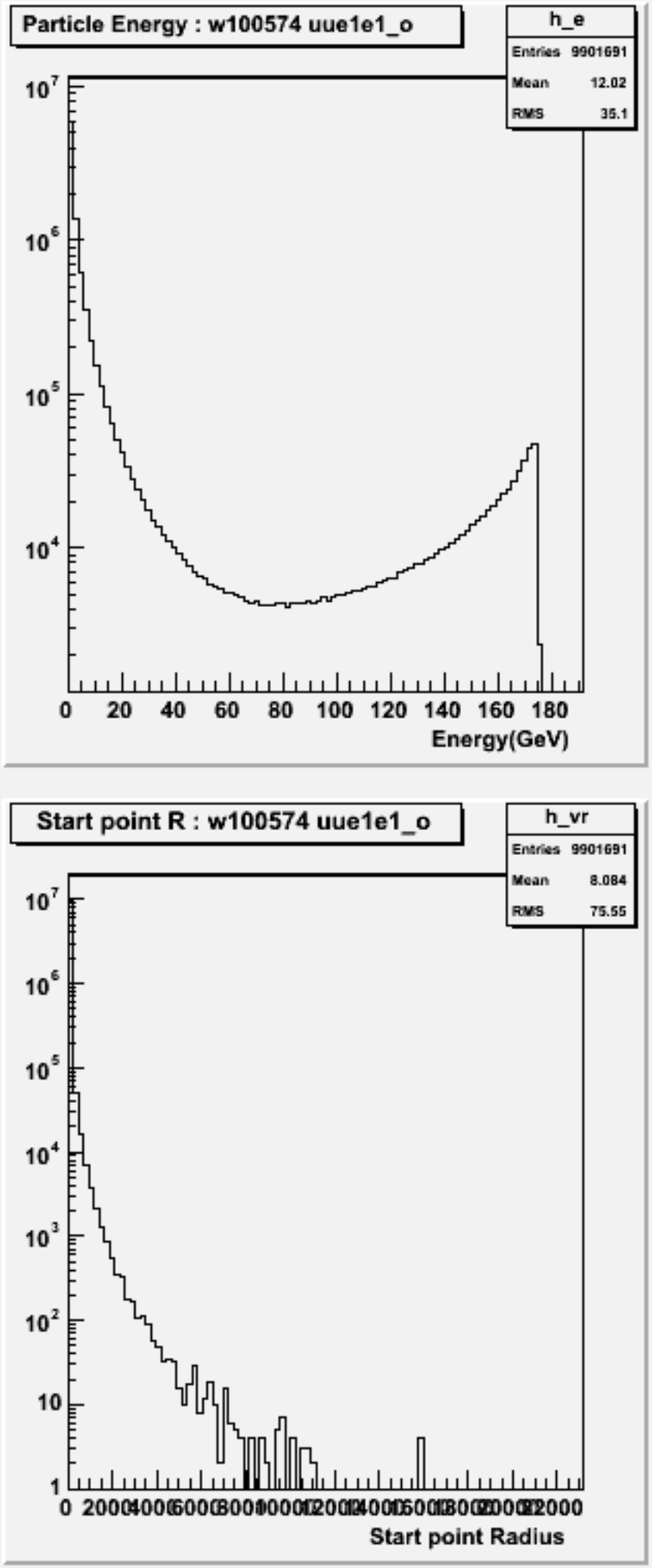

Ycut for 4-jets :w100572 uue1e1_o
h_yc4j
Entries 239206
Mean 0.01363
RMS 0.06866
ycut for forced 4-jets

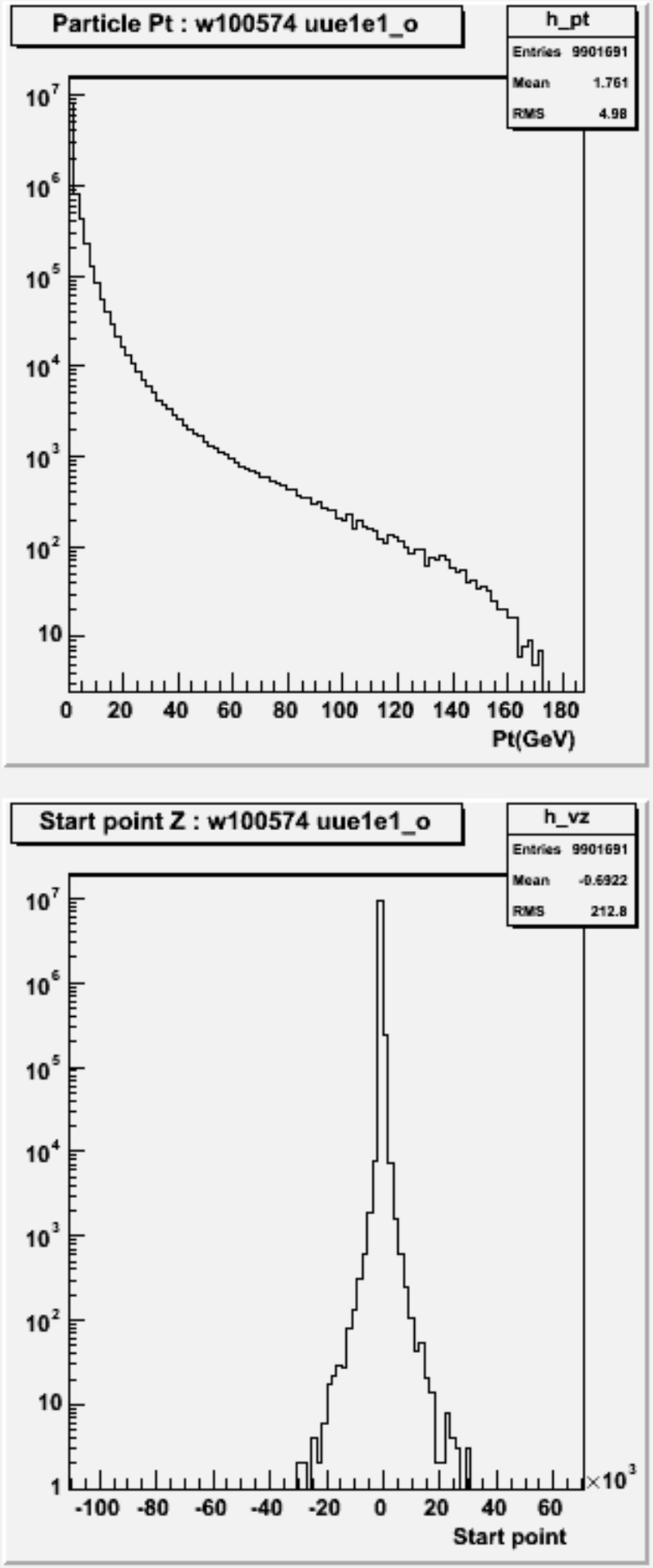

Jet energies(All jets)w100572 uue1e1_o
ha_j0e
Entries 956824
Mean 86.46
RMS 66.49
E(Jet)


Jet cos θ (All jets)w100572 uue1e1_o
ha_j0cs
Entries 956824
Mean 0.1073
RMS 0.8831
cos θ


2jets mass(All comb)w100572 uue1e1_o
ha_m01
Entries 1435236
Mean 102.5
RMS 99.75
M(J_iJ_k) (GeV)


Particle ID : w100574 uue1e1_o
h_id
Entries 9901691
Mean 12.73
RMS 505
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

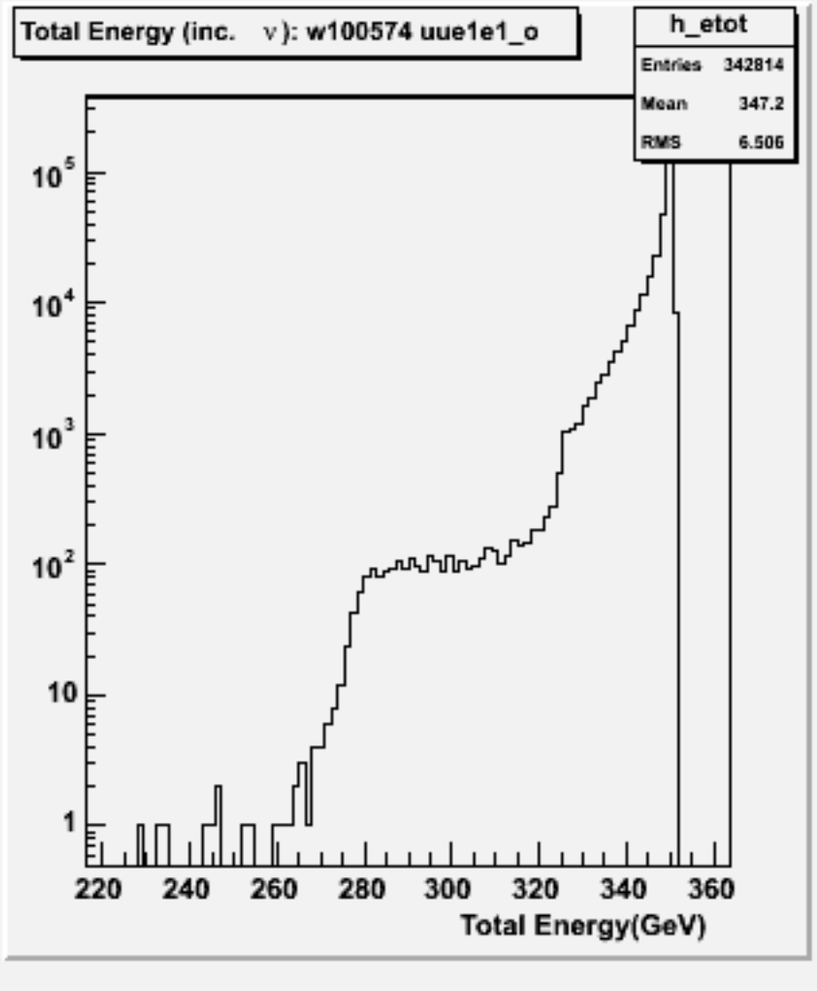

Particle Energy : w100574 uue1e1_o
h_e
Entries 9901691
Mean 12.02
RMS 35.1
10^7
10^6
10^5
10^4
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

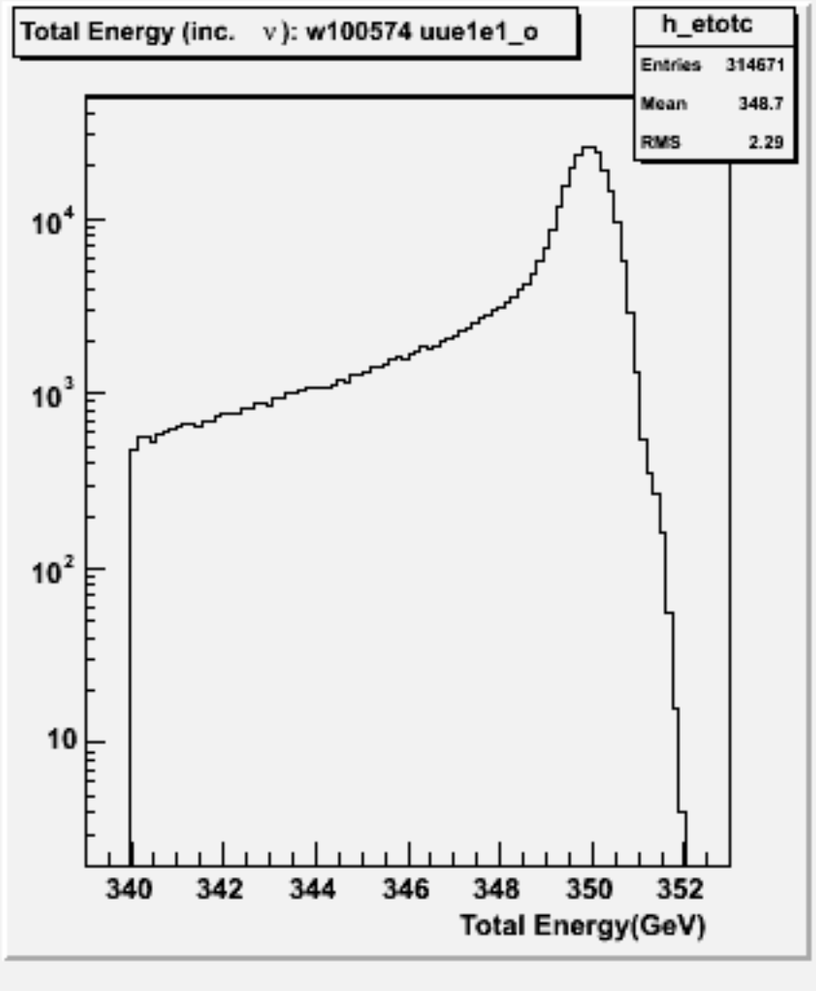

Particle Pt : w100574 uue1e1_o
h_pt
Entries 9901691
Mean 1.761
RMS 4.98
10^7
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

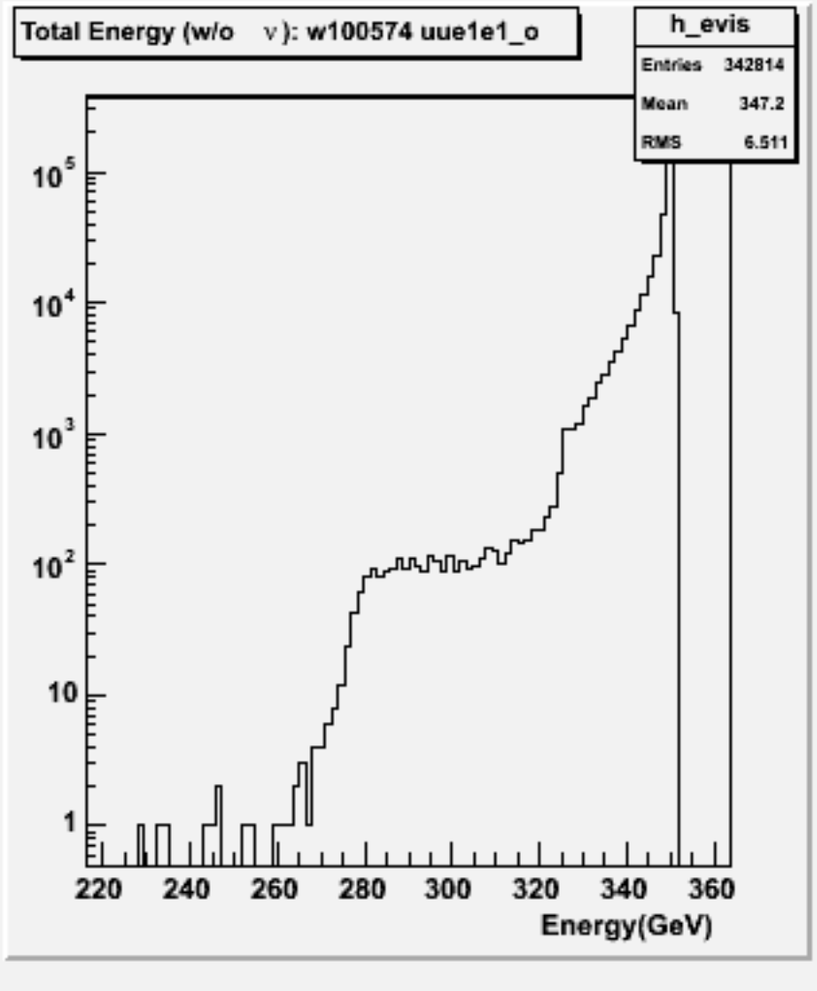
Particle cosθ : w100574 uue1e1_o
h_cs
Entries 9901691
Mean -0.002996
RMS 0.814
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

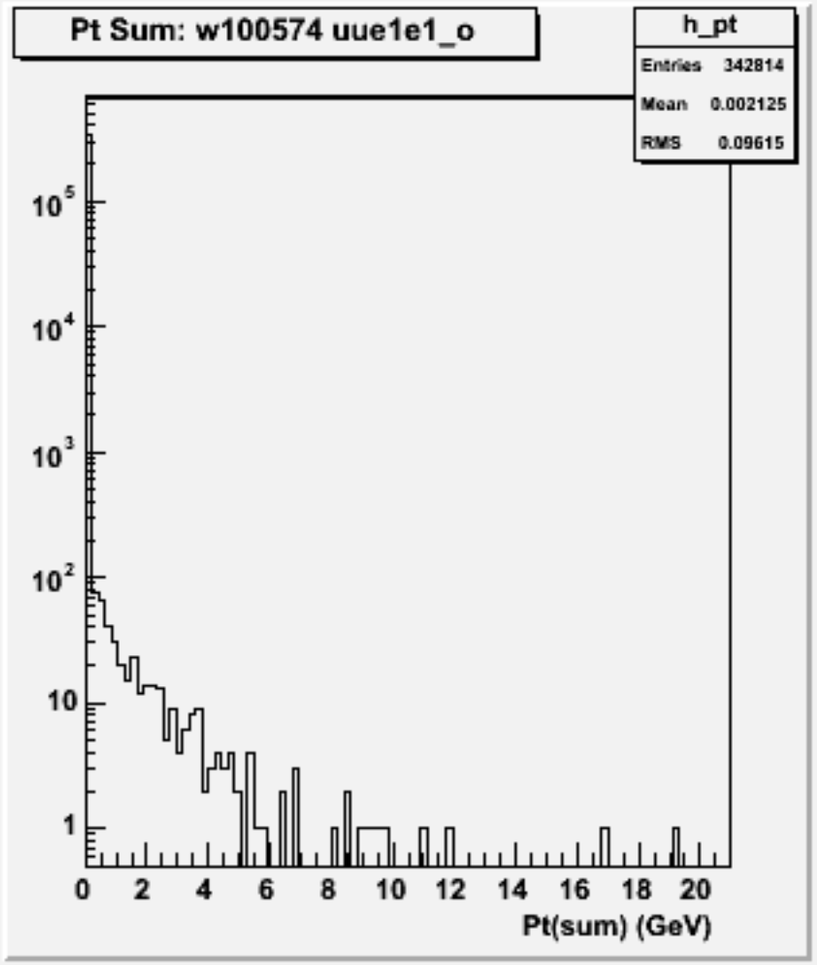
Start point R : w100574 uue1e1_o
h_vr
Entries 9901691
Mean 8.084
RMS 75.55
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
Start point Radius

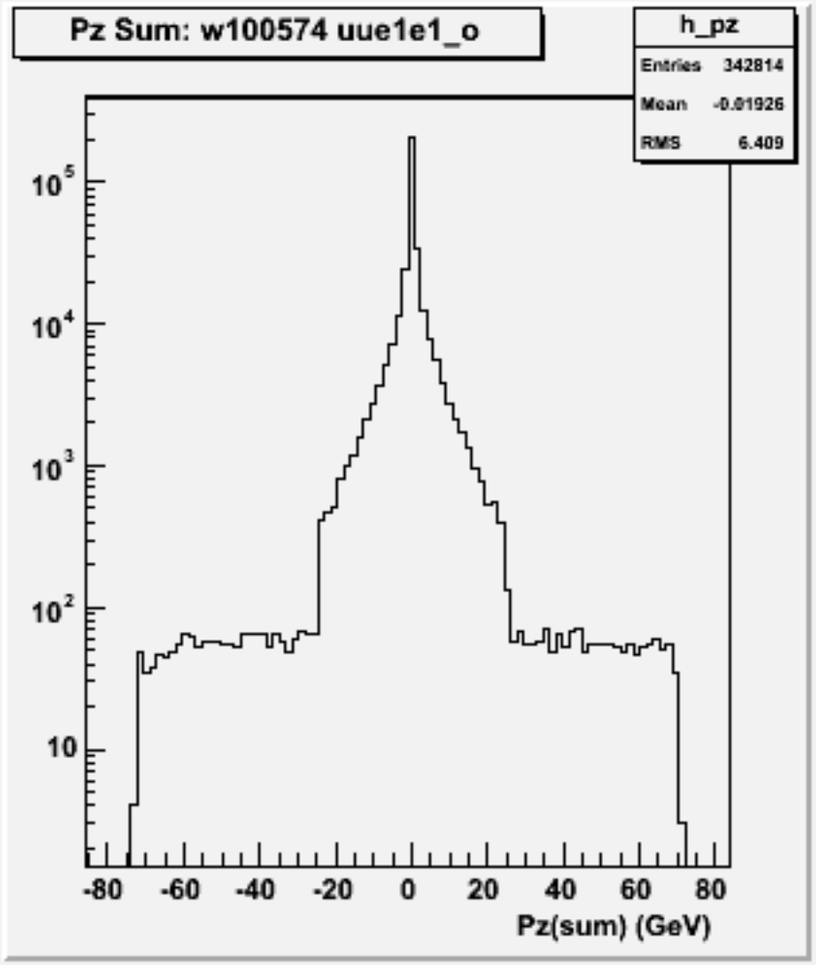
Start point Z : w100574 uue1e1_o
h_vz
Entries 9901691
Mean -0.6922
RMS 212.8
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-100
-80
-60
-40
-20
0
20
40
60
$\times 10^3$
Start point

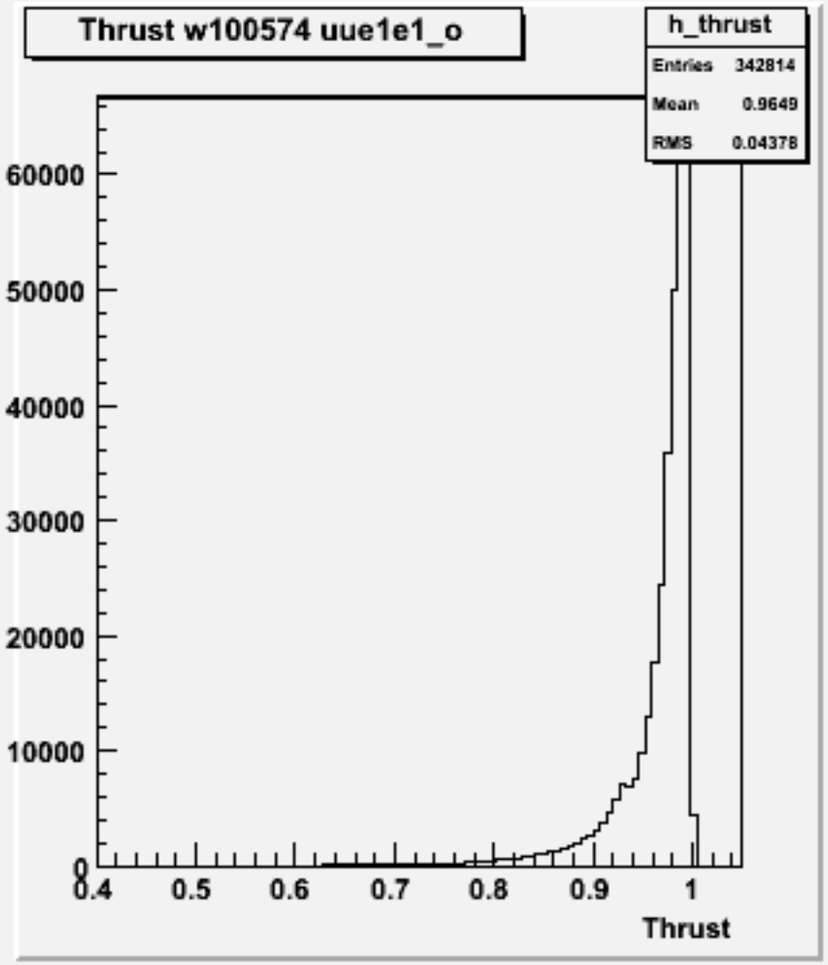

Total Energy (inc. ν): w100574 uue1e1_o
h_etot
Entries 342814
Mean 347.2
RMS 6.506
Total Energy(GeV)

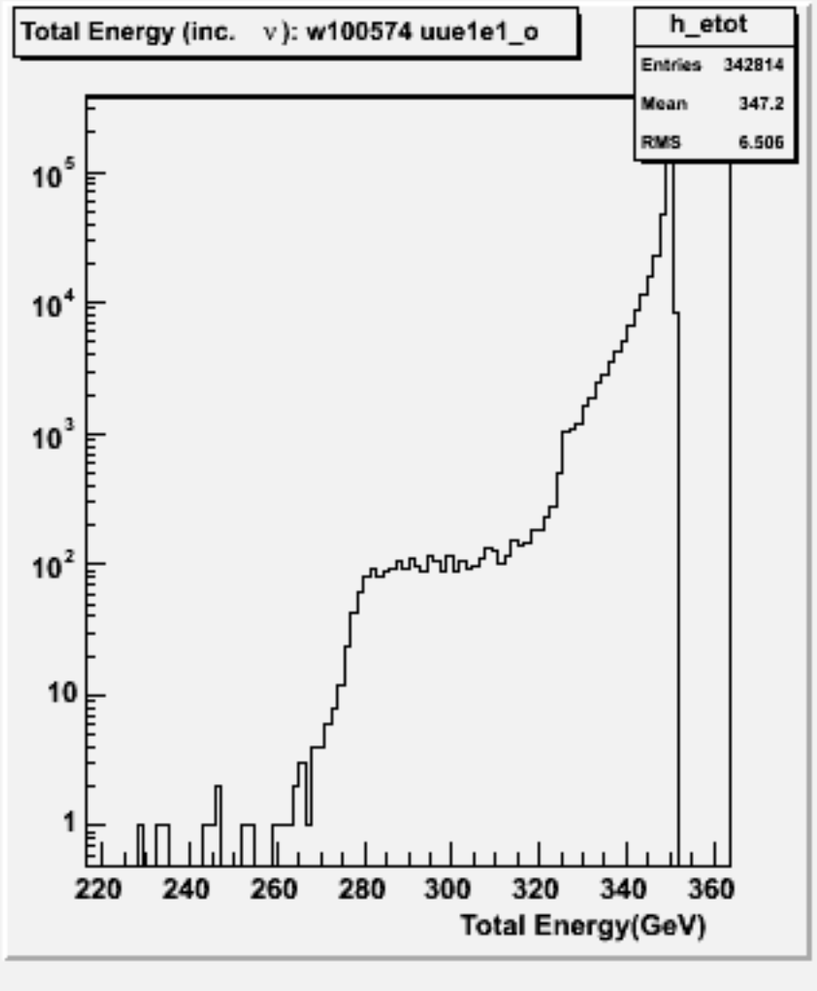

Total Energy (inc. ν): w100574 uue1e1_o
h_etotc
Entries 314671
Mean 348.7
RMS 2.29
Total Energy(GeV)

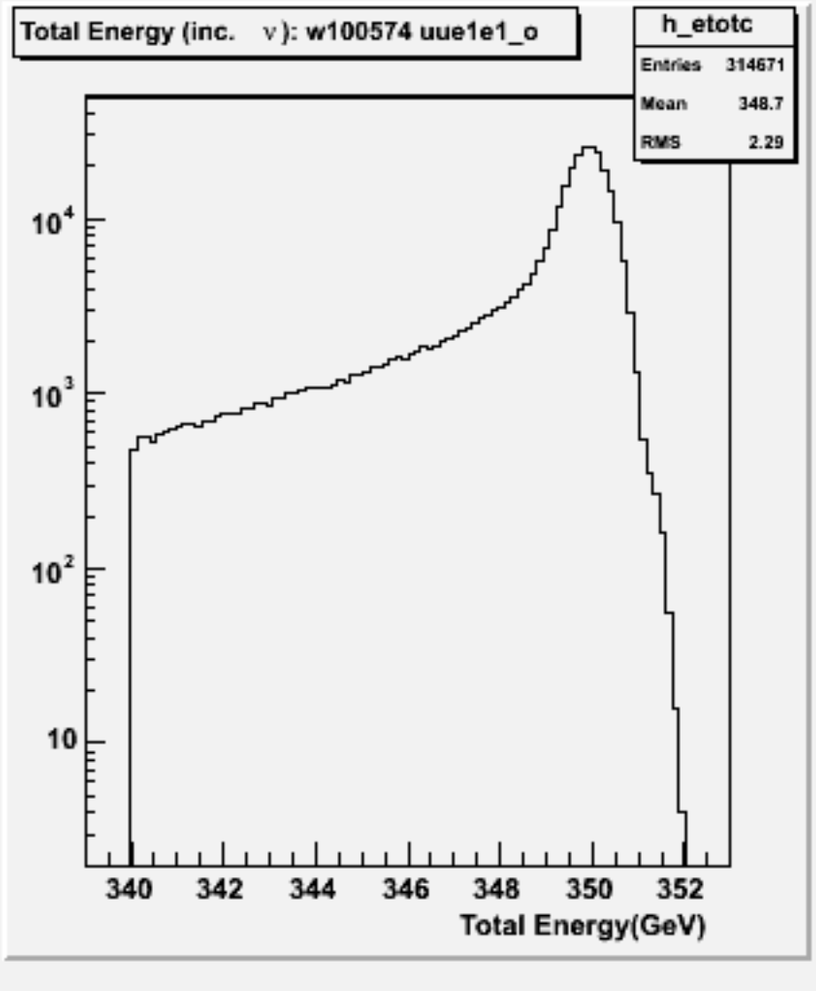

Total Energy (w/o ν): w100574 uue1e1_o
h_evis
Entries 342814
Mean 347.2
RMS 6.511
Energy(GeV)

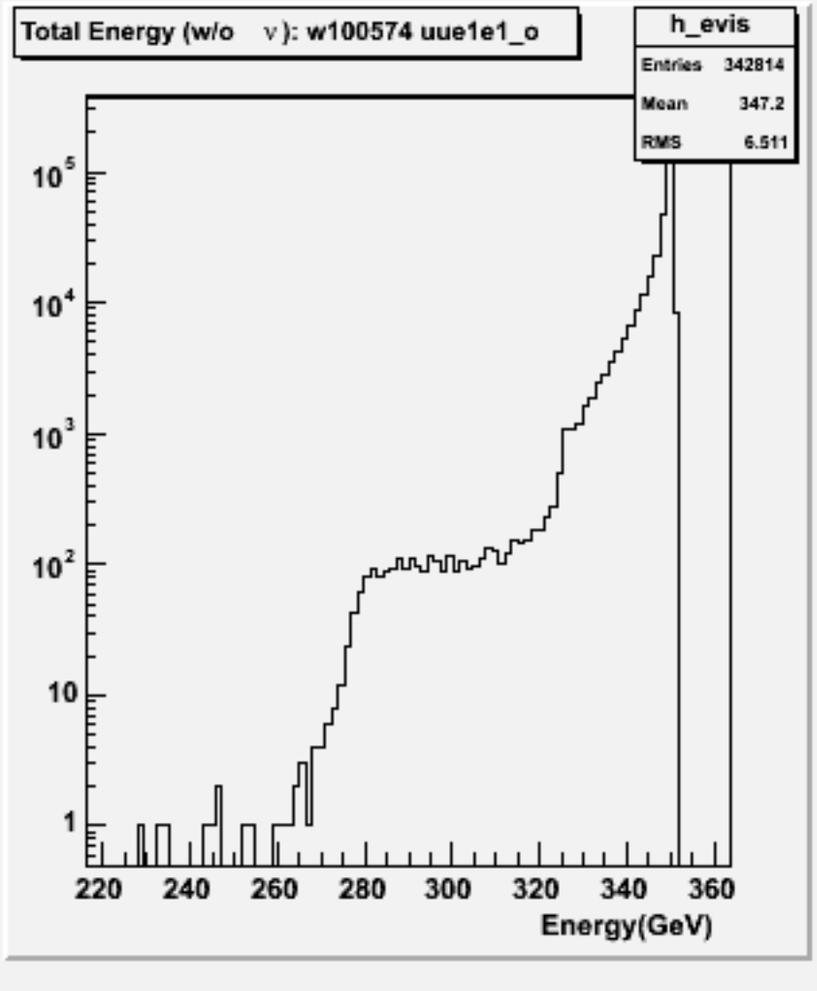

Pt Sum: w100574 uue1e1_o
h_pt
Entries 342814
Mean 0.002125
RMS 0.09615
Pt(sum) (GeV)

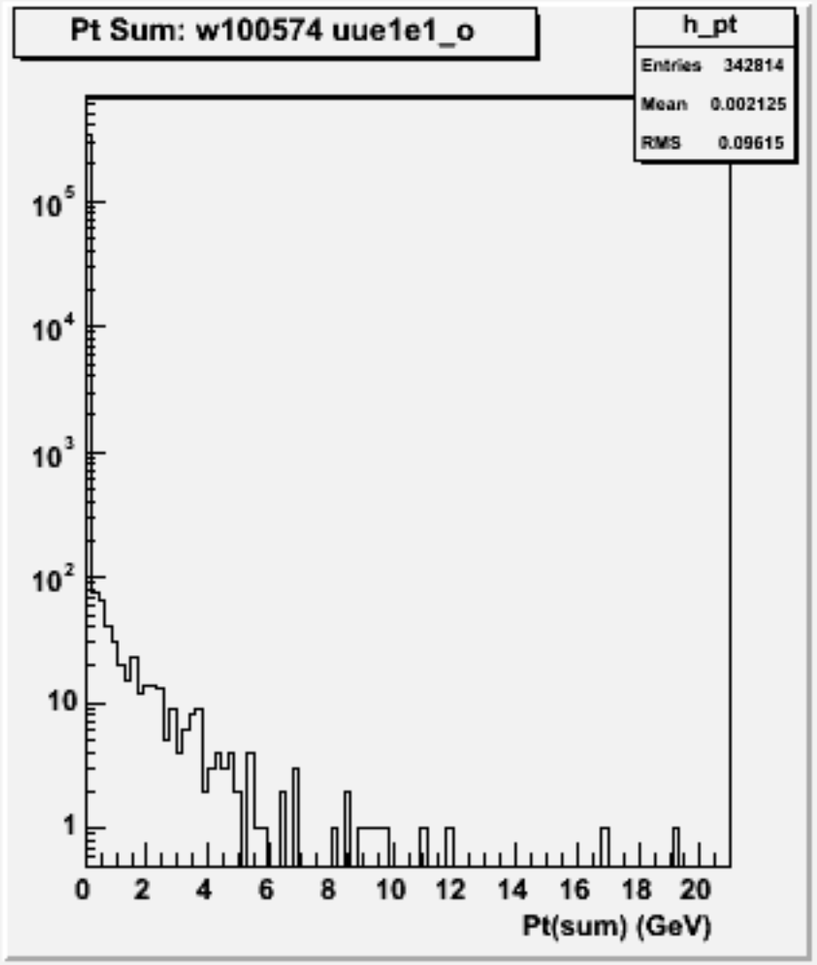

Pz Sum: w100574 uue1e1_o
h_pz
Entries 342814
Mean -0.01926
RMS 6.409
Pz(sum) (GeV)

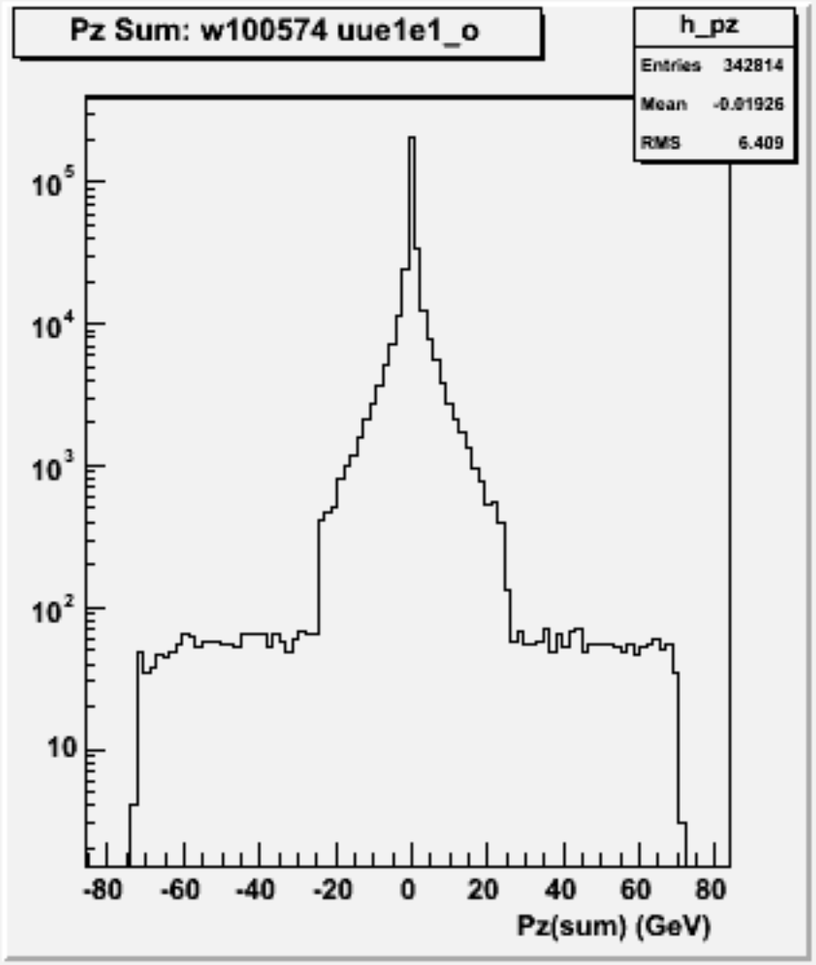

Thrust w100574 uue1e1_o
h_thrust
Entries 342814
Mean 0.9649
RMS 0.04378
Thrust

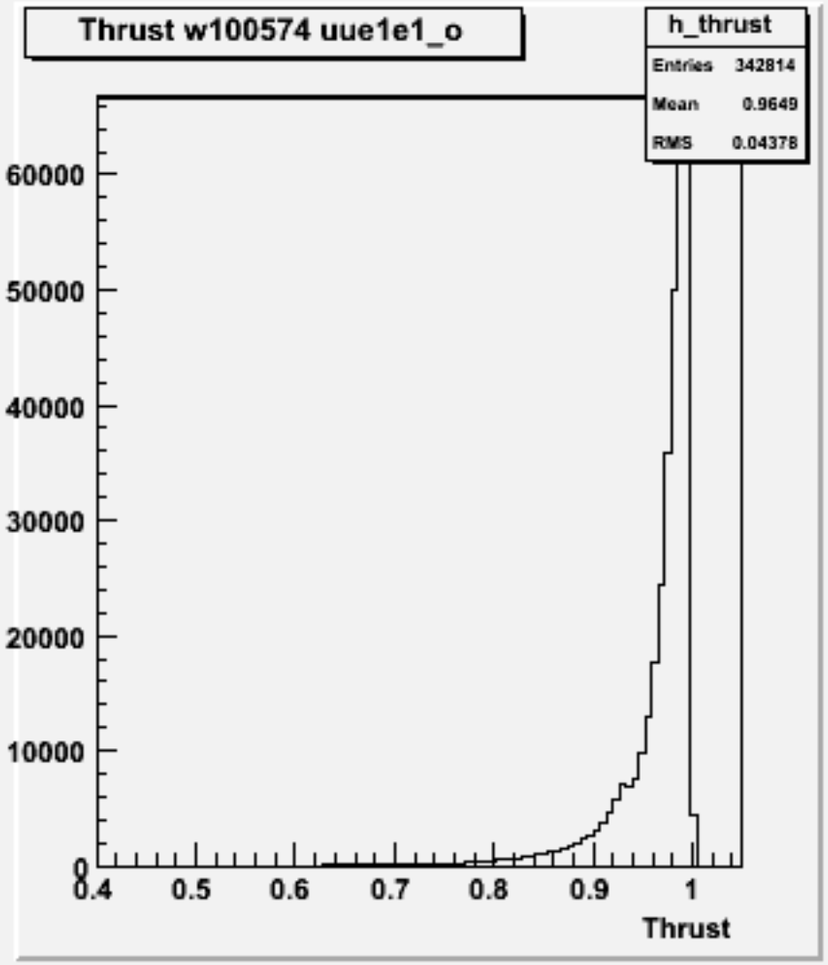

Total Energy (inc. ν): w100574 uue1e1_o
h_etot
Entries 342814
Mean 347.2
RMS 6.506
Total Energy(GeV)

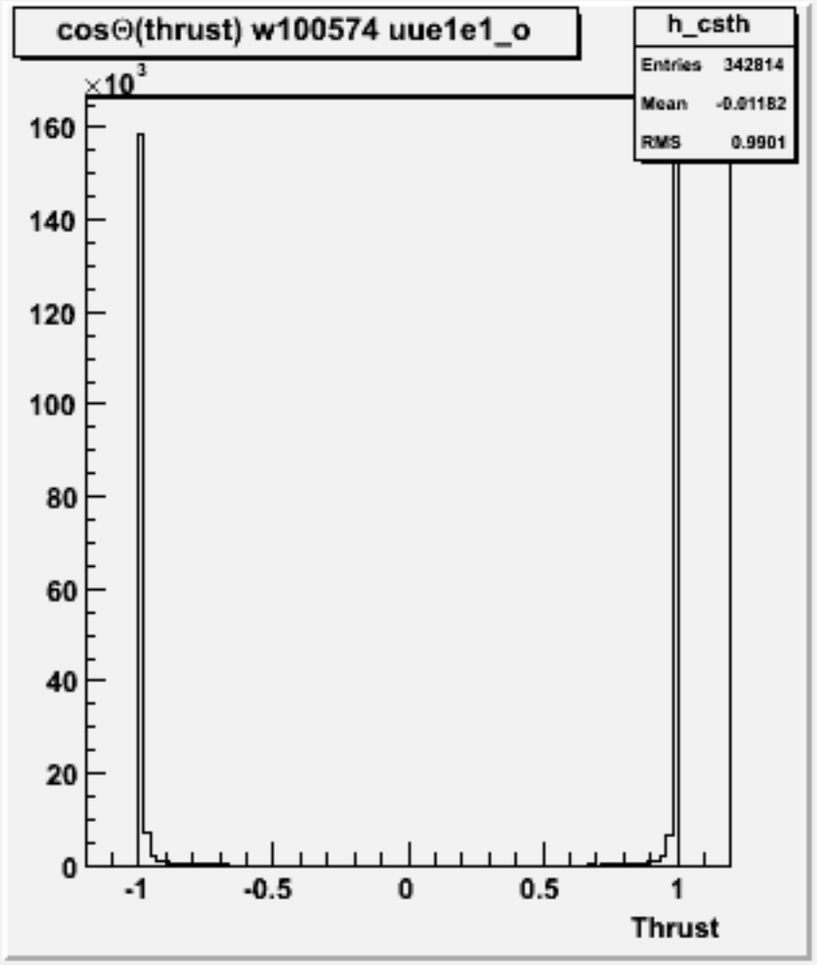

Total Energy (inc. ν): w100574 uue1e1_o
h_etotc
Entries 314671
Mean 348.7
RMS 2.29
Total Energy(GeV)

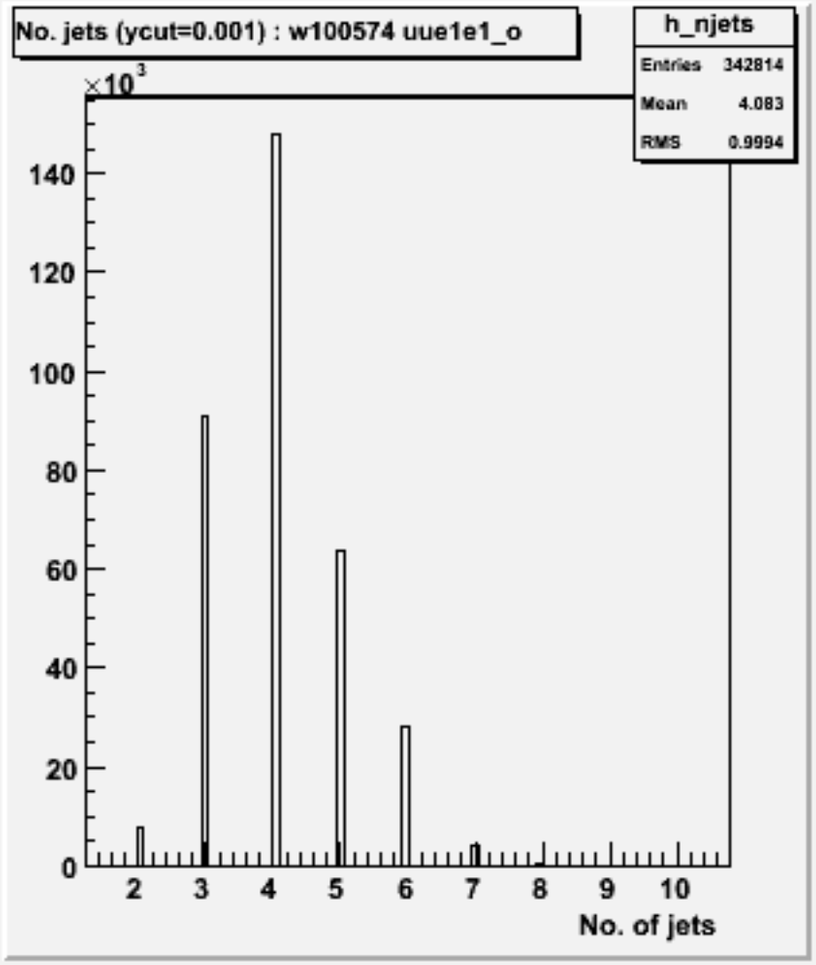

Total Energy (w/o ν): w100574 uue1e1_o
h_evis
Entries 342814
Mean 347.2
RMS 6.511
Energy(GeV)

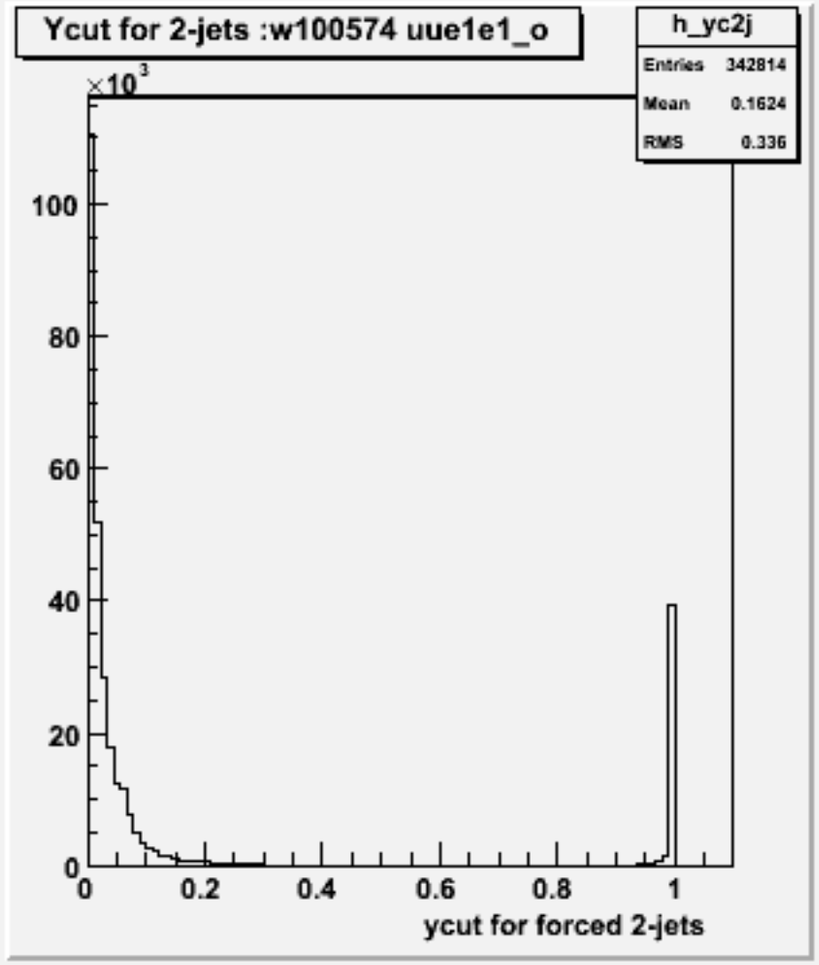

Pt Sum: w100574 uue1e1_o
h_pt
Entries 342814
Mean 0.002125
RMS 0.09615
Pt(sum) (GeV)

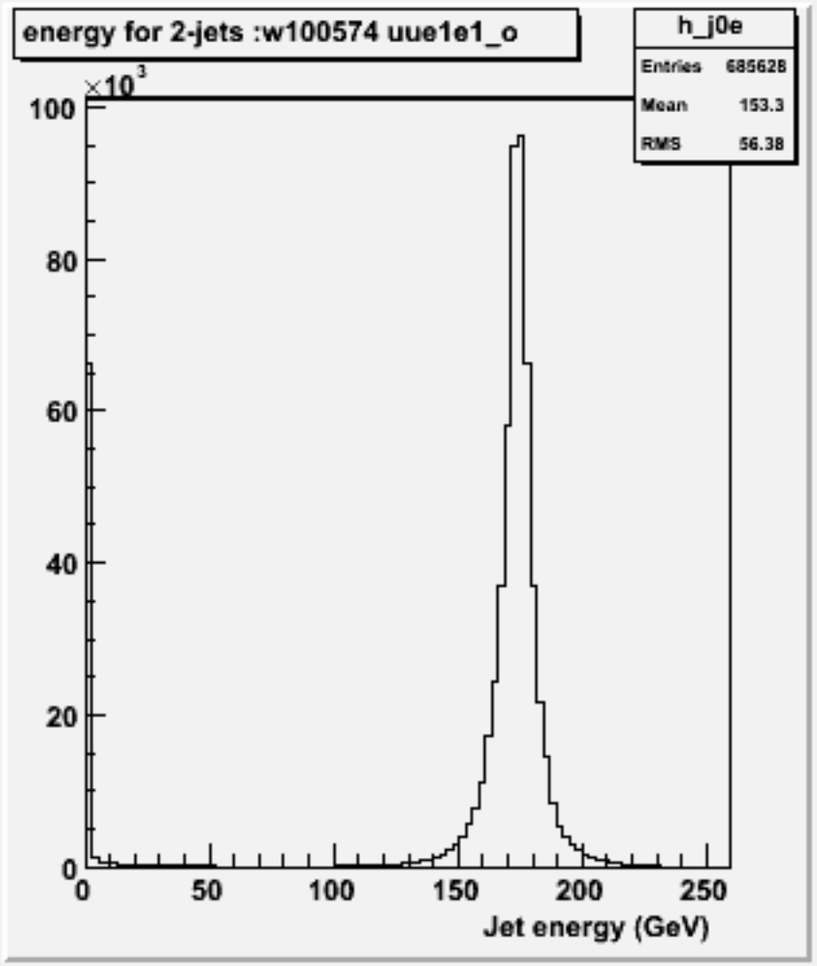

Pz Sum: w100574 uue1e1_o
h_pz
Entries 342814
Mean -0.01926
RMS 6.409
Pz(sum) (GeV)

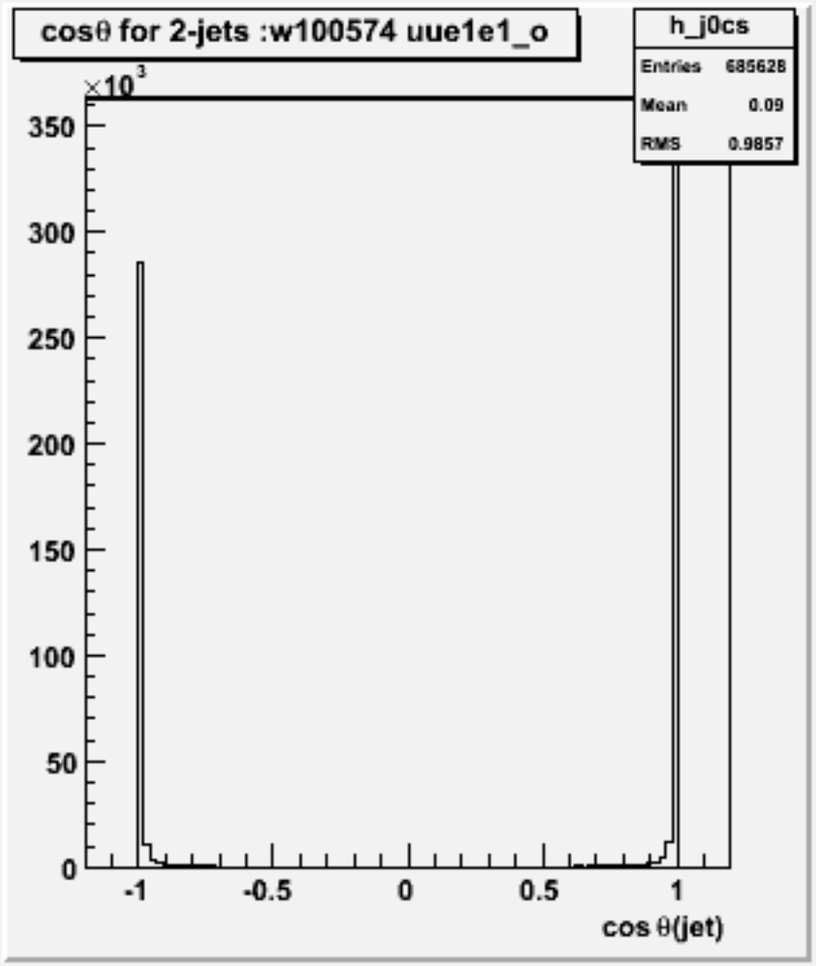

Thrust w100574 uue1e1_o
h_thrust
Entries 342814
Mean 0.9649
RMS 0.04378
Thrust

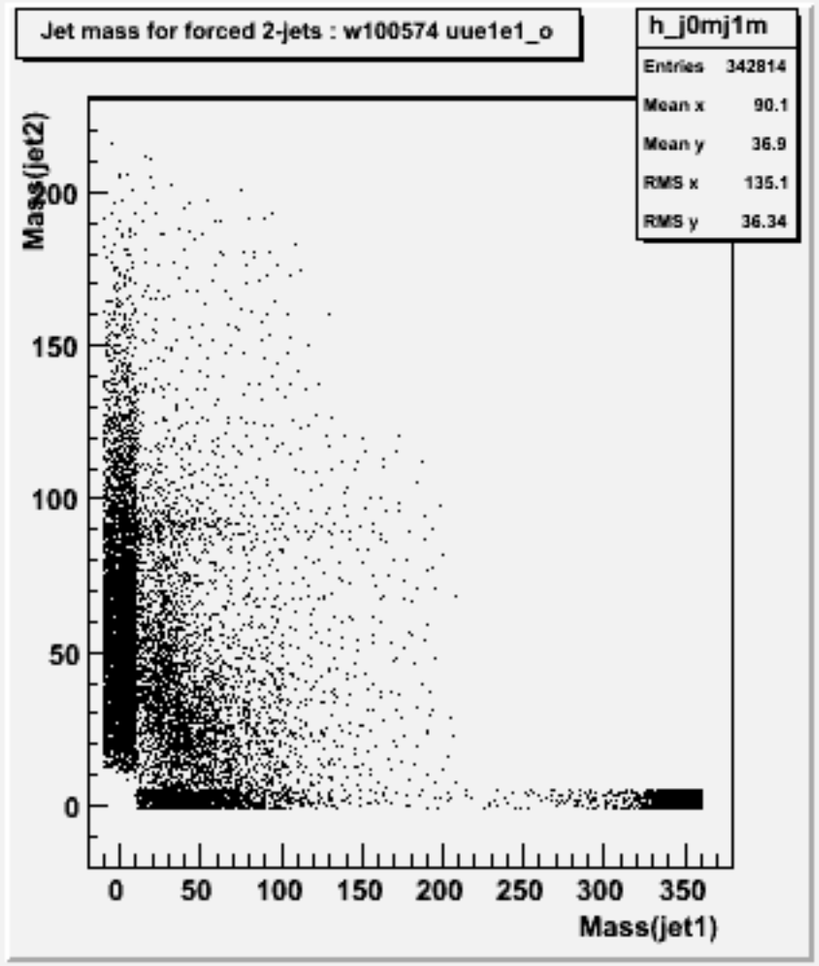

cosΘ(thrust) w100574 uue1e1_o
h_csth
Entries 342814
Mean -0.01182
RMS 0.9901
×10^3
Thrust

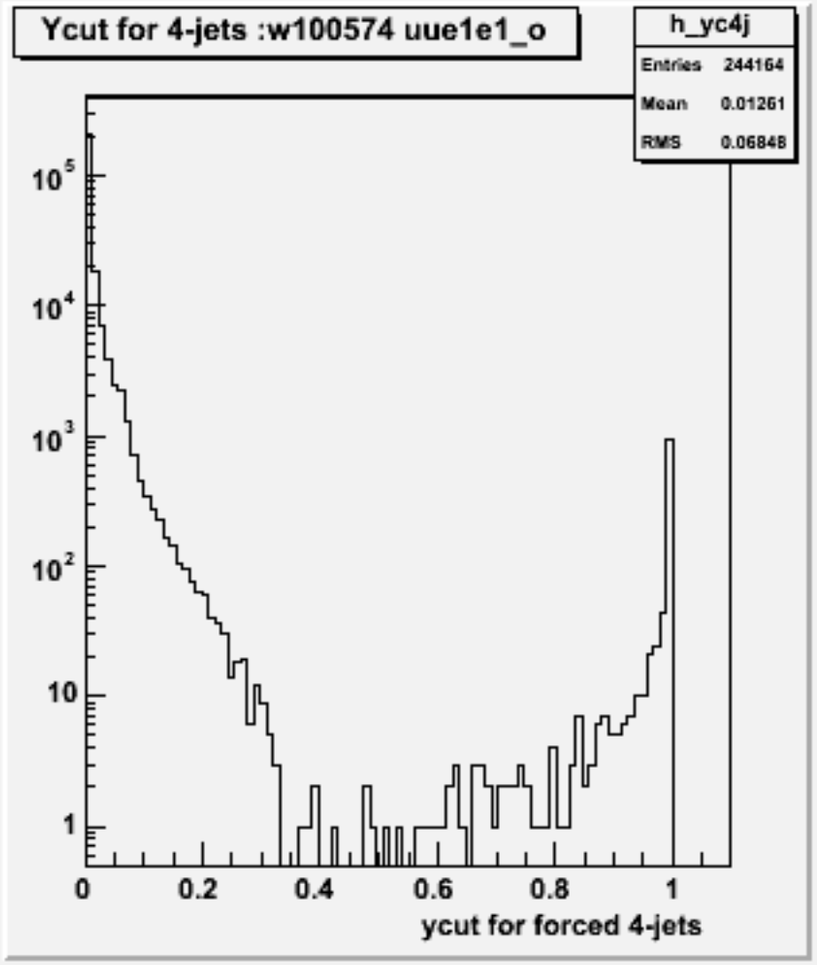

No. jets (ycut=0.001) : w100574 uue1e1_o
h_njets
Entries 342814
Mean 4.083
RMS 0.9994
×10^3
No. of jets

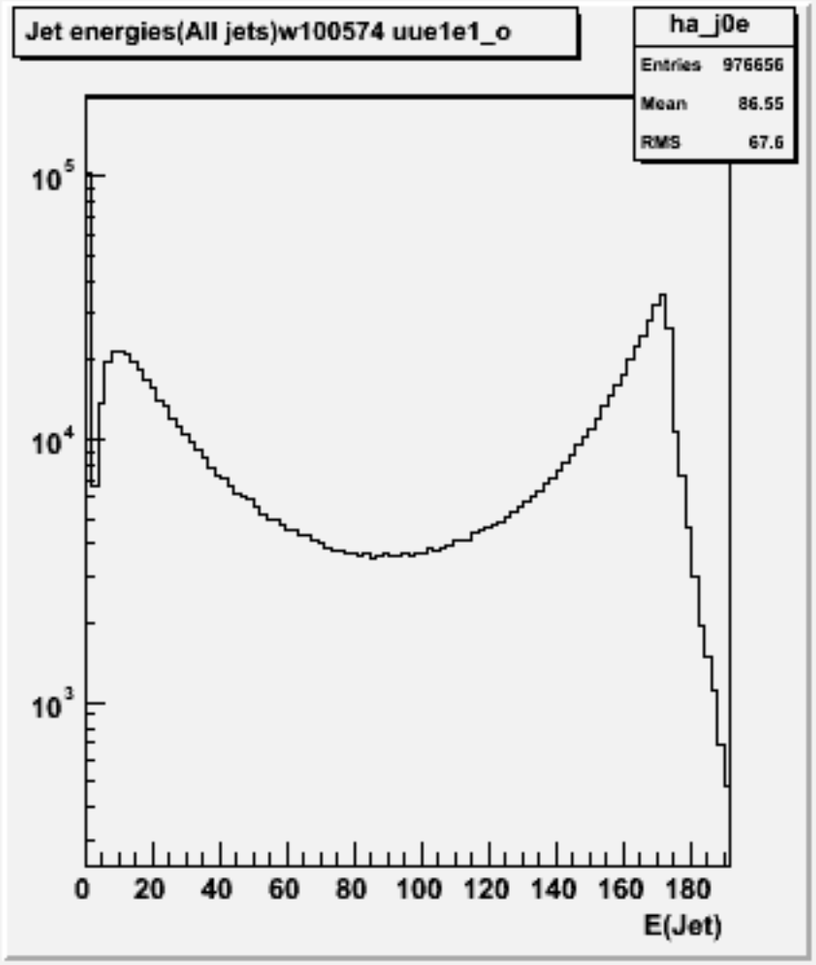

Ycut for 2-jets :w100574 uue1e1_o
h_yc2j
Entries 342814
Mean 0.1624
RMS 0.336
×10^3
ycut for forced 2-jets

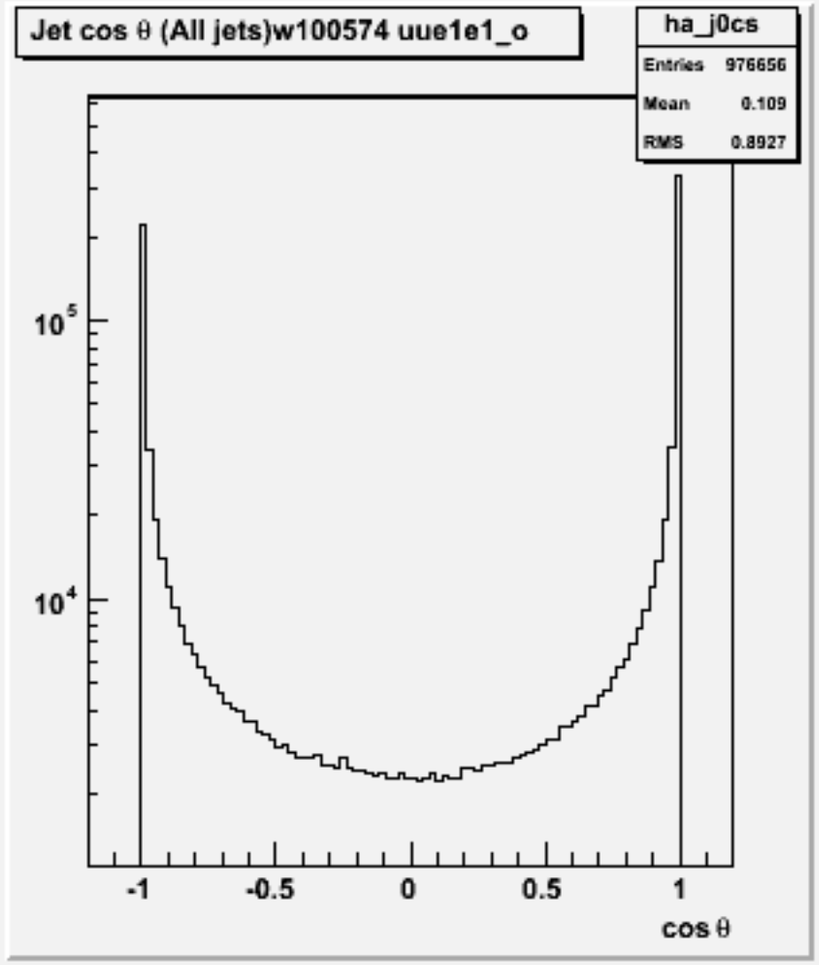

energy for 2-jets :w100574 uue1e1_o
h_j0e
Entries 685628
Mean 153.3
RMS 56.38
×10^3
Jet energy (GeV)

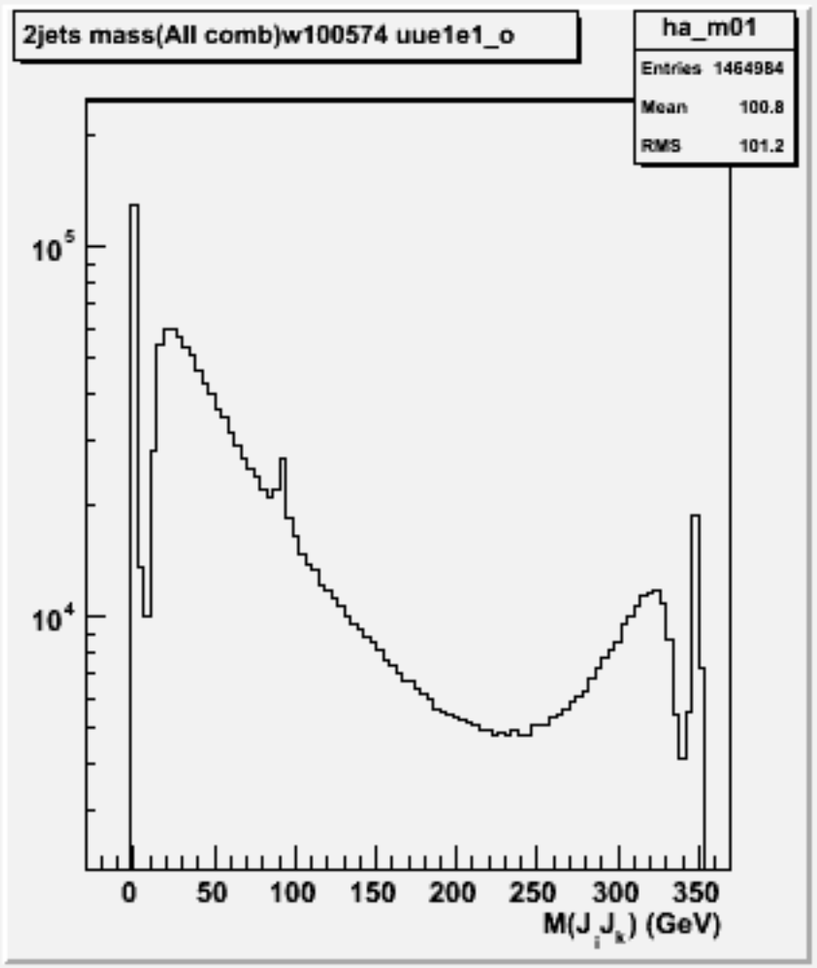

cosθ for 2-jets :w100574 uue1e1_o
h_j0cs
Entries 685628
Mean 0.09
RMS 0.9857
×10^3
cos θ(jet)

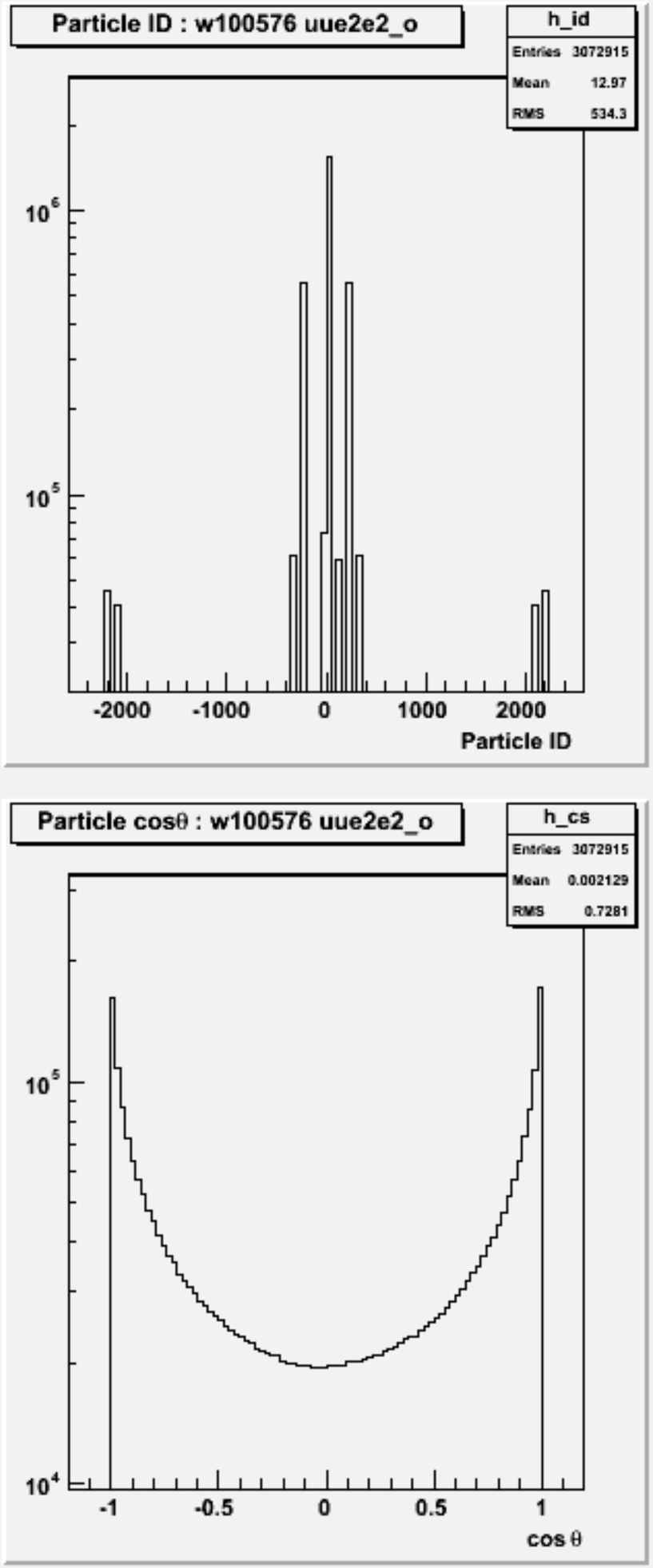

Jet mass for forced 2-jets : w100574 uue1e1_o
h_j0mj1m
Entries 342814
Mean x 90.1
Mean y 36.9
RMS x 135.1
RMS y 36.34
Mass(jet2)
Mass(jet1)

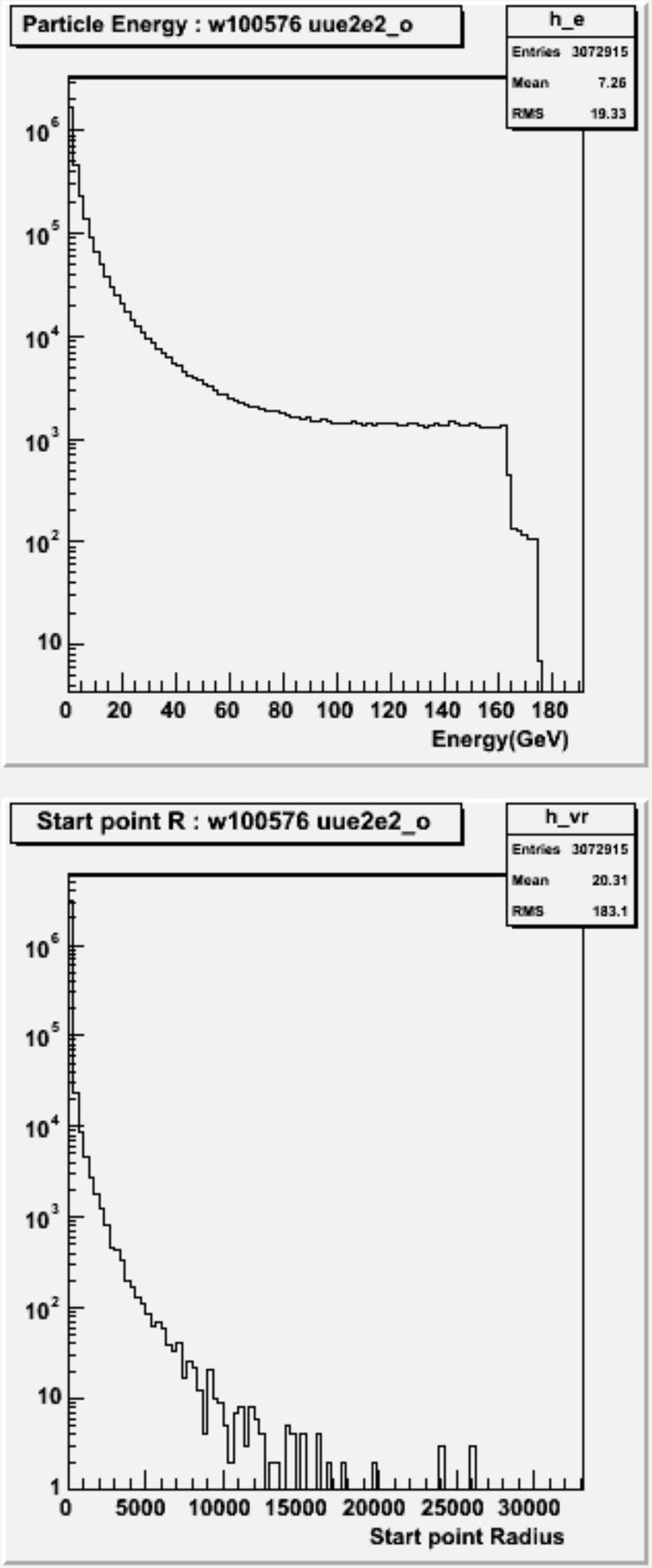

Ycut for 4-jets :w100574 uue1e1_o
h_yc4j
Entries 244164
Mean 0.01261
RMS 0.06848
ycut for forced 4-jets

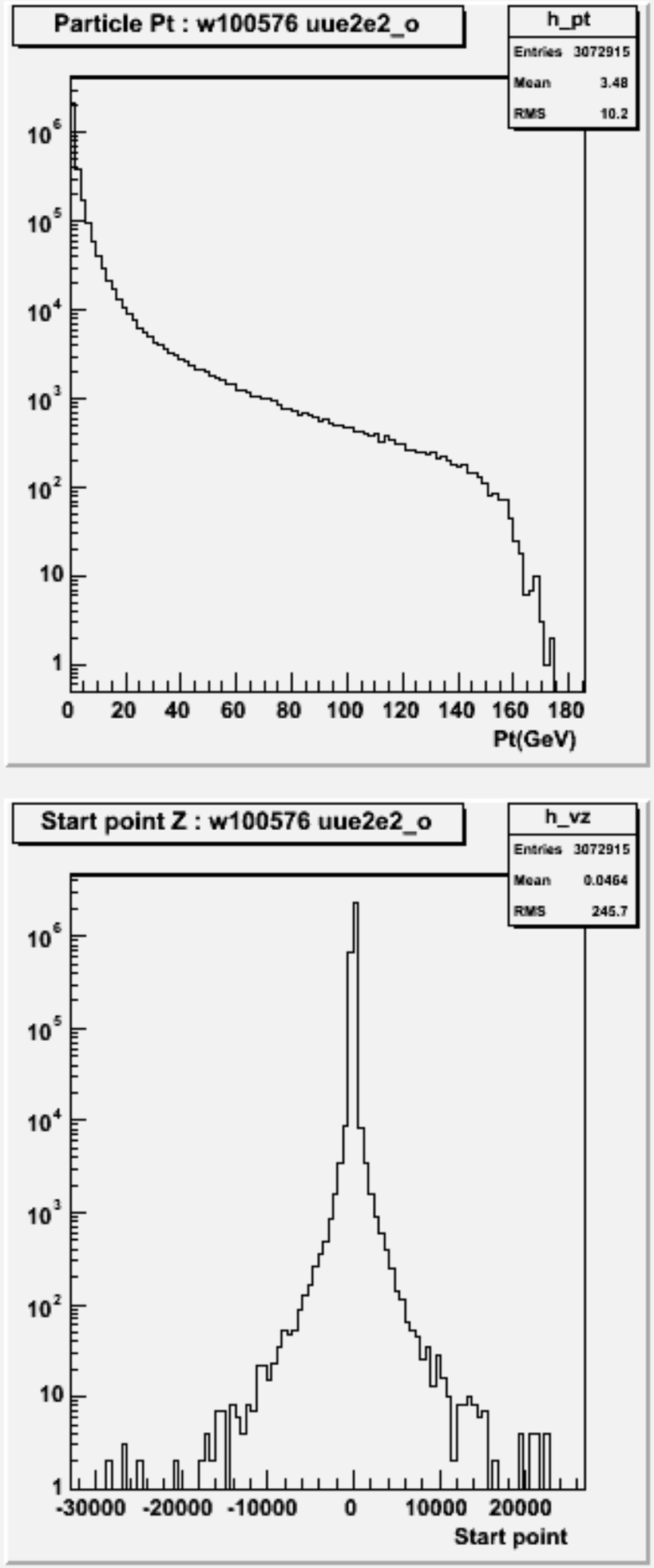

Jet energies(All jets)w100574 uue1e1_o
ha_j0e
Entries 976656
Mean 86.55
RMS 67.6
E(Jet)


Jet cos θ (All jets)w100574 uue1e1_o
ha_j0cs
Entries 976656
Mean 0.109
RMS 0.8927
cos θ


2jets mass(All comb)w100574 uue1e1_o
ha_m01
Entries 1464984
Mean 100.8
RMS 101.2
M(J_iJ_k) (GeV)


Particle ID : w100576 uue2e2_o
h_id
Entries 3072915
Mean 12.97
RMS 534.3
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

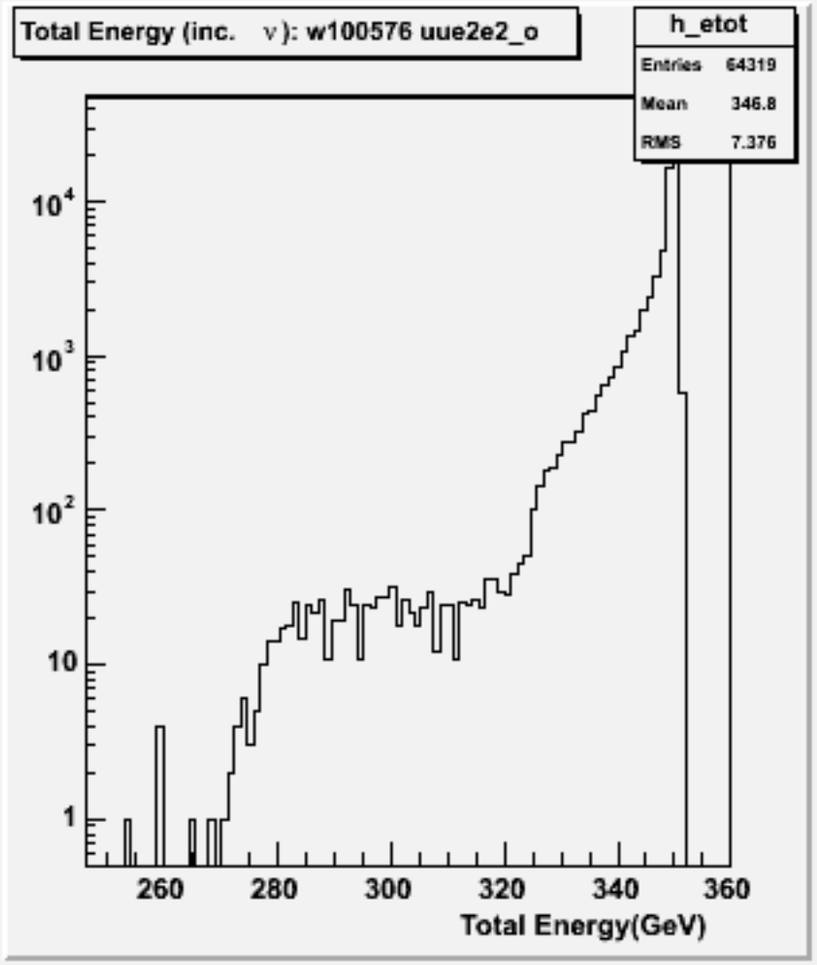

Particle Energy : w100576 uue2e2_o
h_e
Entries 3072915
Mean 7.26
RMS 19.33
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

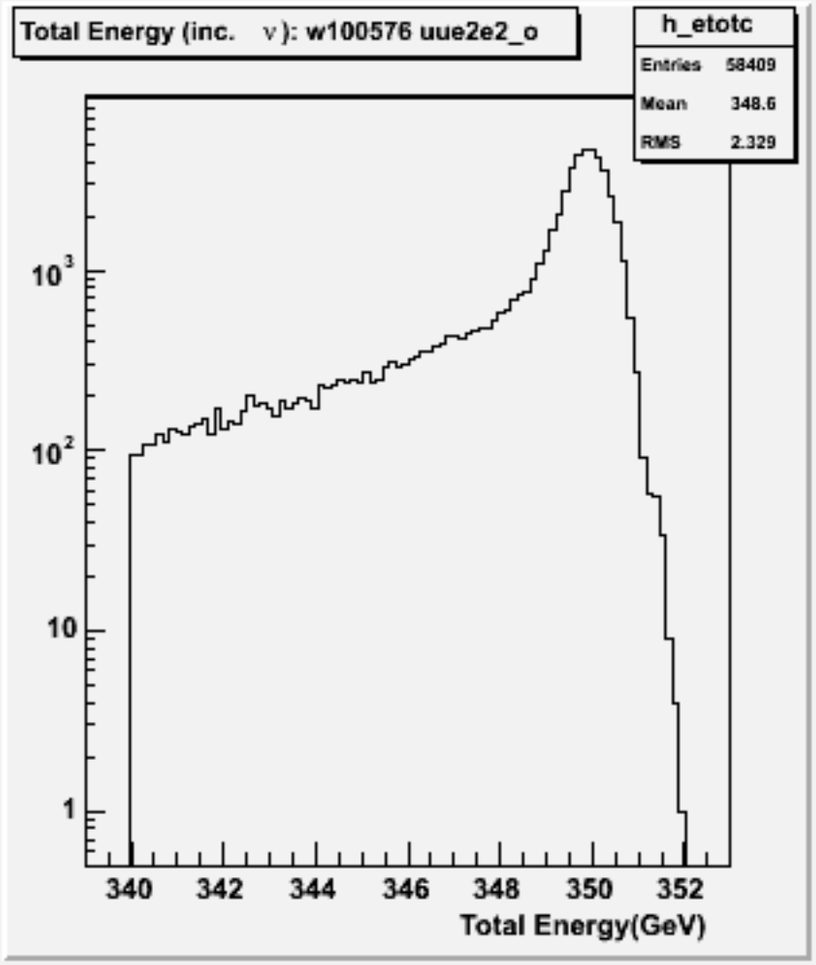

Particle Pt : w100576 uue2e2_o
h_pt
Entries 3072915
Mean 3.48
RMS 10.2
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

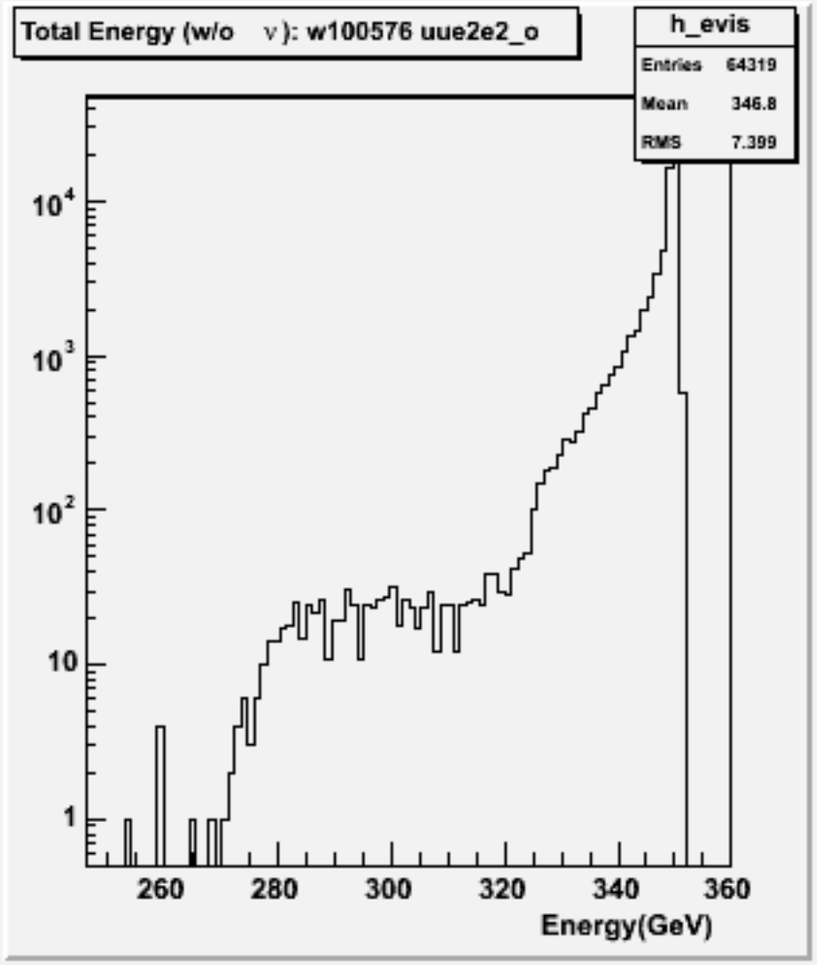
Particle cosθ : w100576 uue2e2_o
h_cs
Entries 3072915
Mean 0.002129
RMS 0.7281
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

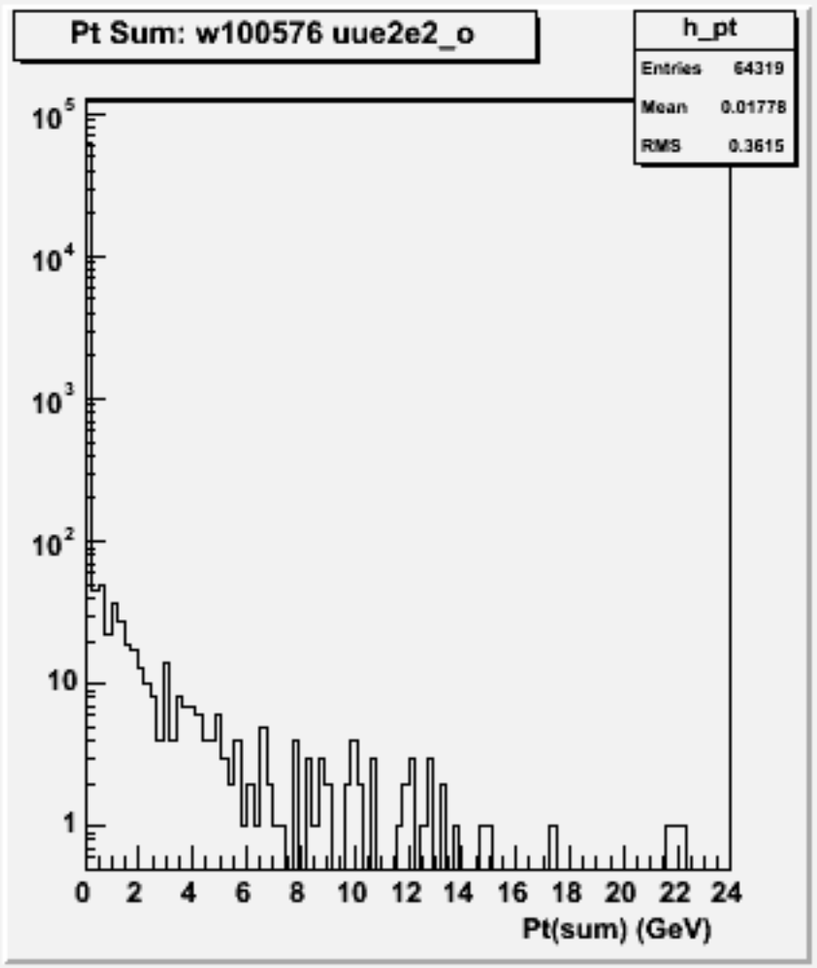
Start point R : w100576 uue2e2_o
h_vr
Entries 3072915
Mean 20.31
RMS 183.1
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
Start point Radius

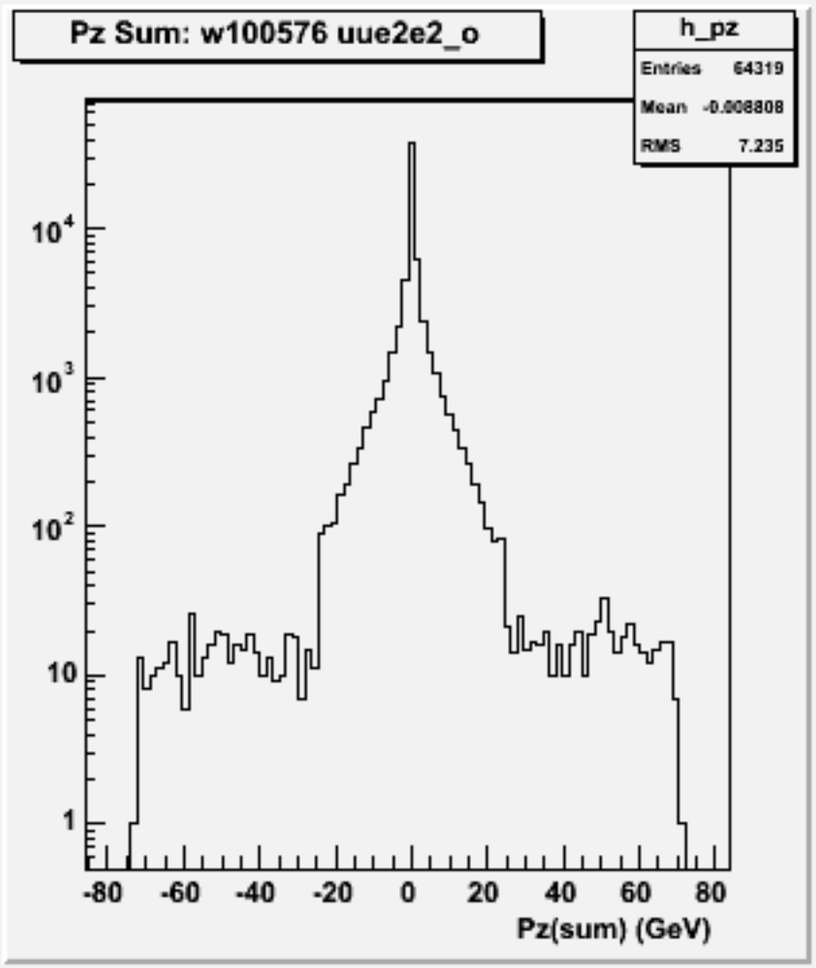
Start point Z : w100576 uue2e2_o
h_vz
Entries 3072915
Mean 0.0464
RMS 245.7
10^6
10^5
10^4
10^3
10^2
10
1
-30000
-20000
-10000
0
10000
20000
Start point

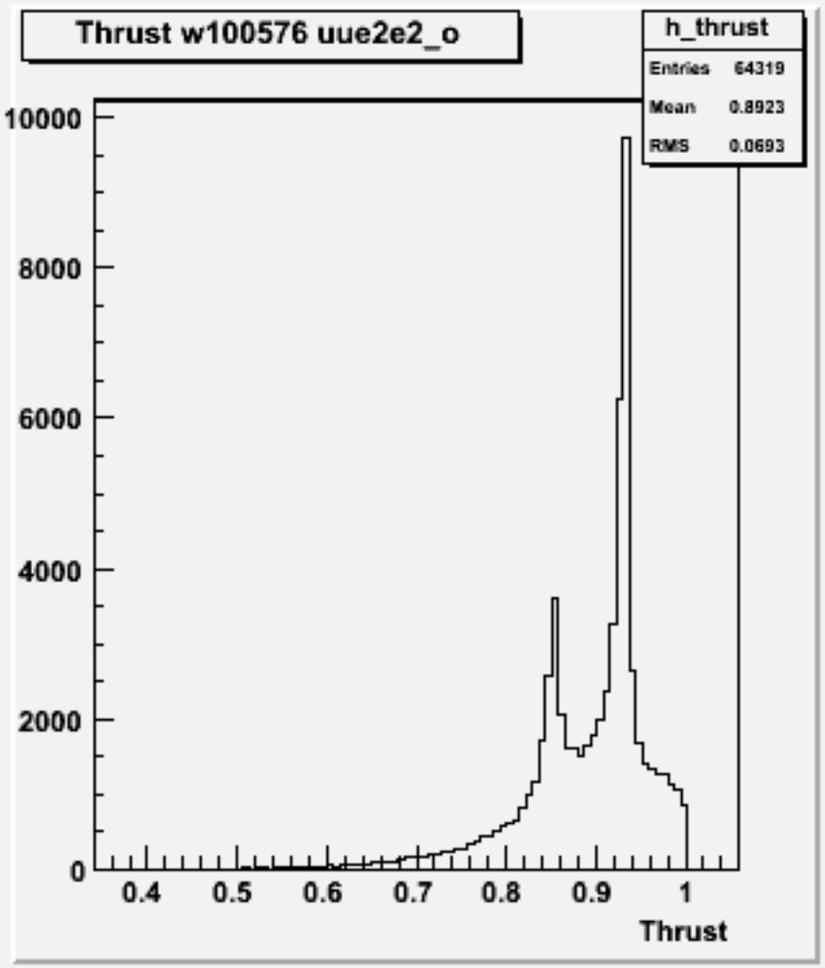

Total Energy (inc. ν): w100576 uue2e2_o
h_etot
Entries 64319
Mean 346.8
RMS 7.376
Total Energy(GeV)

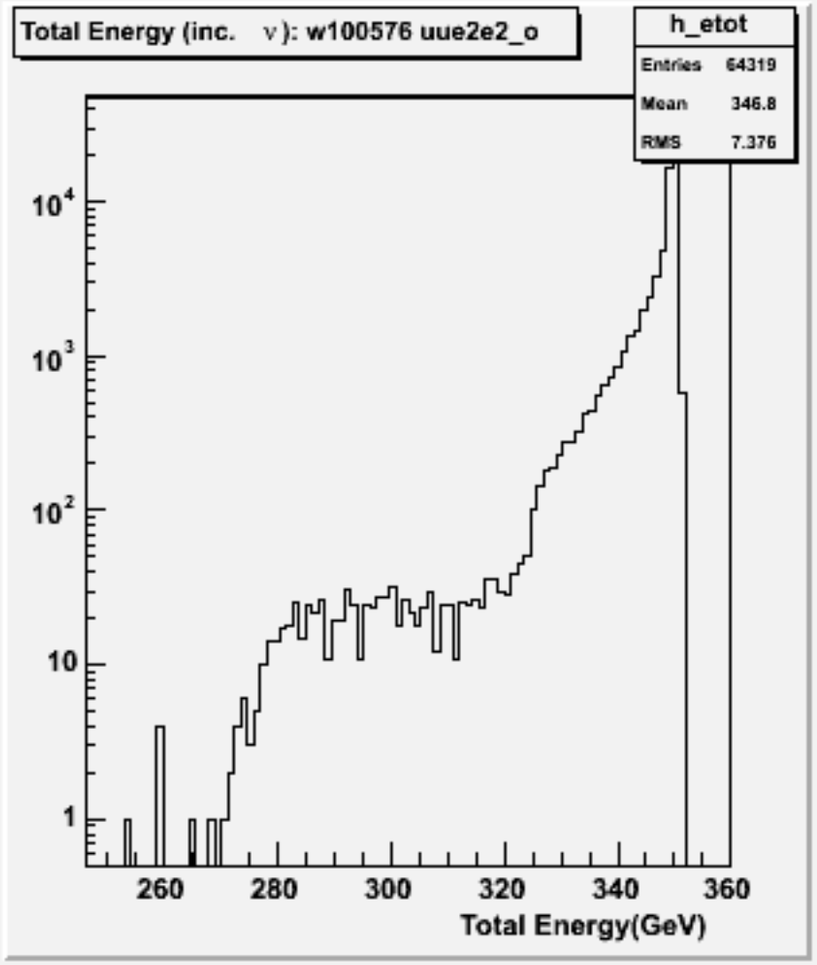

Total Energy (inc. ν): w100576 uue2e2_o
h_etotc
Entries 58409
Mean 348.6
RMS 2.329
Total Energy(GeV)

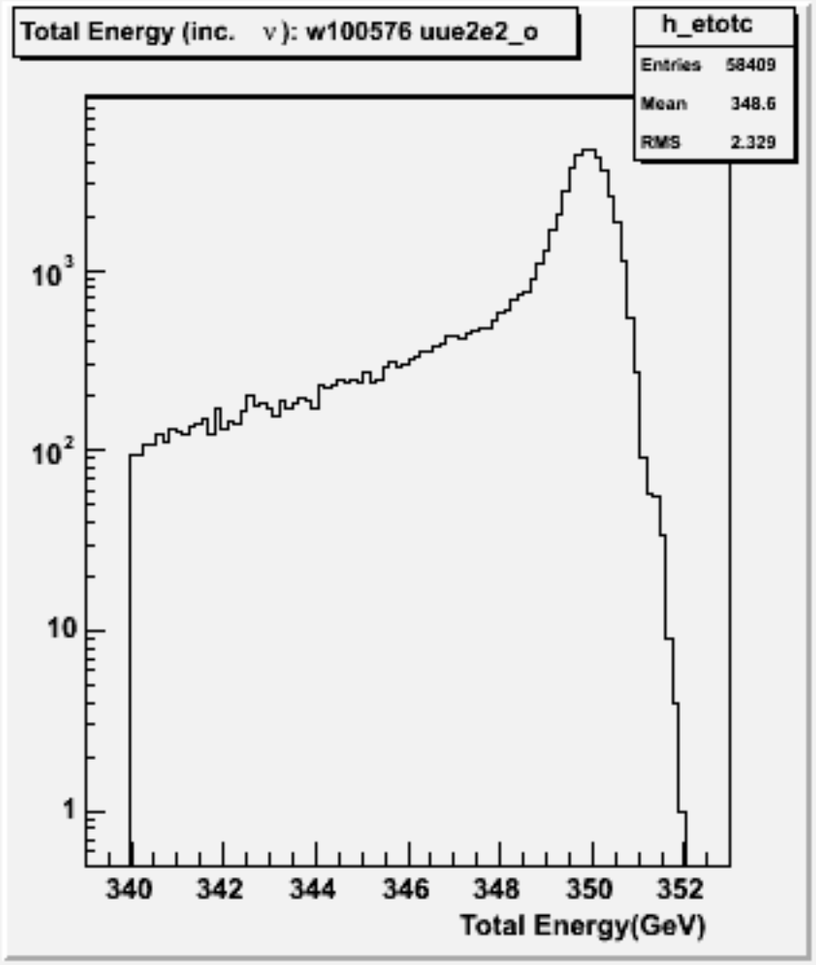

Total Energy (w/o ν): w100576 uue2e2_o
h_evis
Entries 64319
Mean 346.8
RMS 7.399
Energy(GeV)

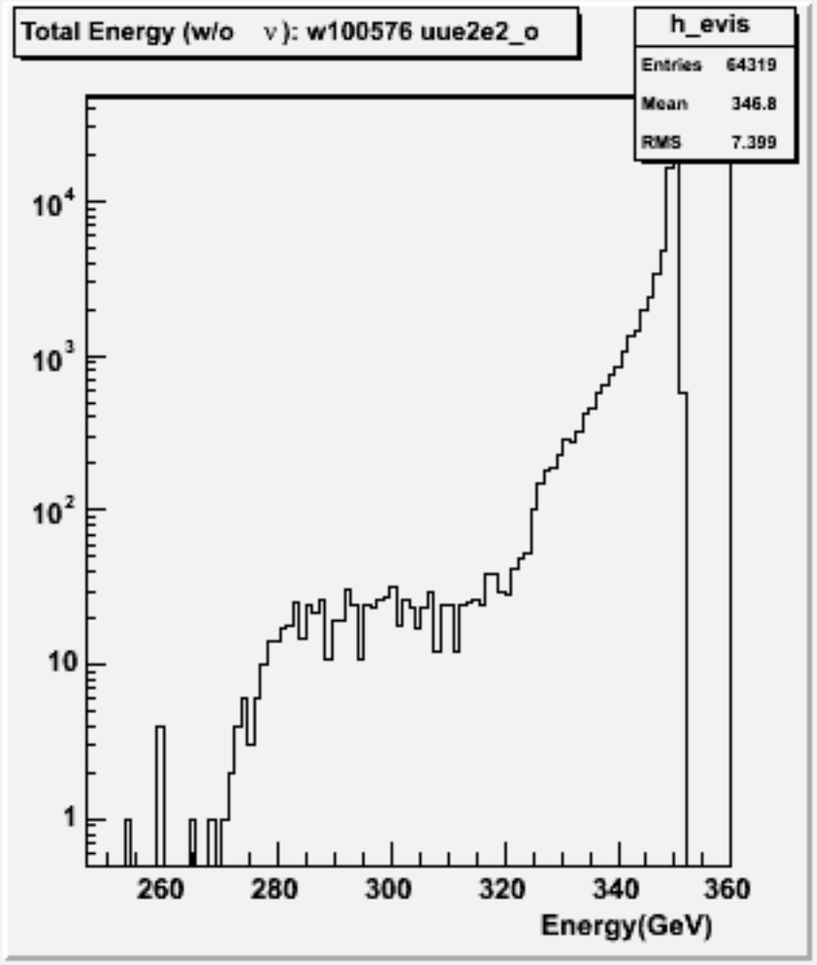

Pt Sum: w100576 uue2e2_o
h_pt
Entries 64319
Mean 0.01778
RMS 0.3615
Pt(sum) (GeV)

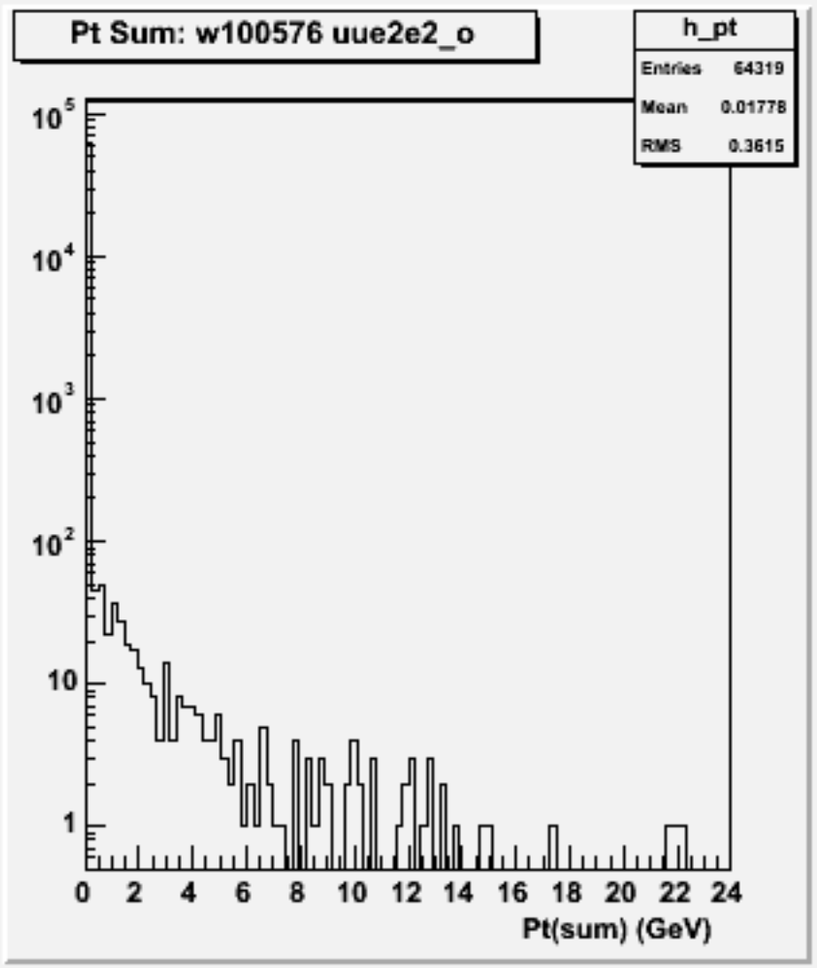

Pz Sum: w100576 uue2e2_o
h_pz
Entries 64319
Mean -0.008808
RMS 7.235
Pz(sum) (GeV)

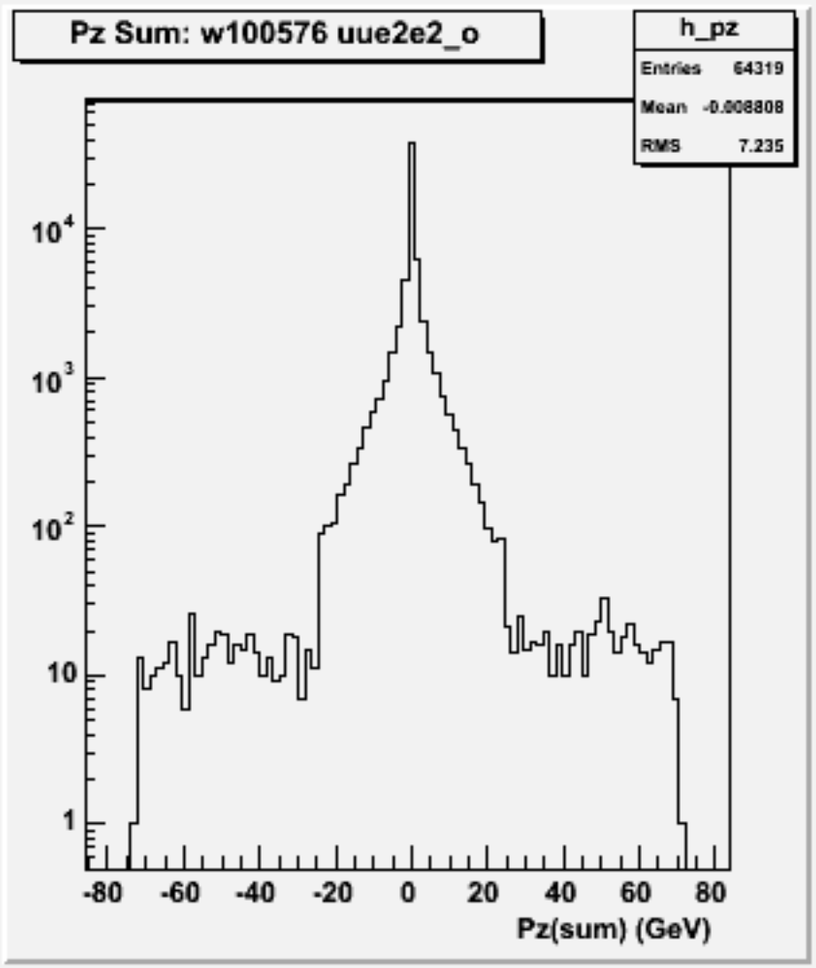

Thrust w100576 uue2e2_o
h_thrust
Entries 64319
Mean 0.8923
RMS 0.0693
Thrust

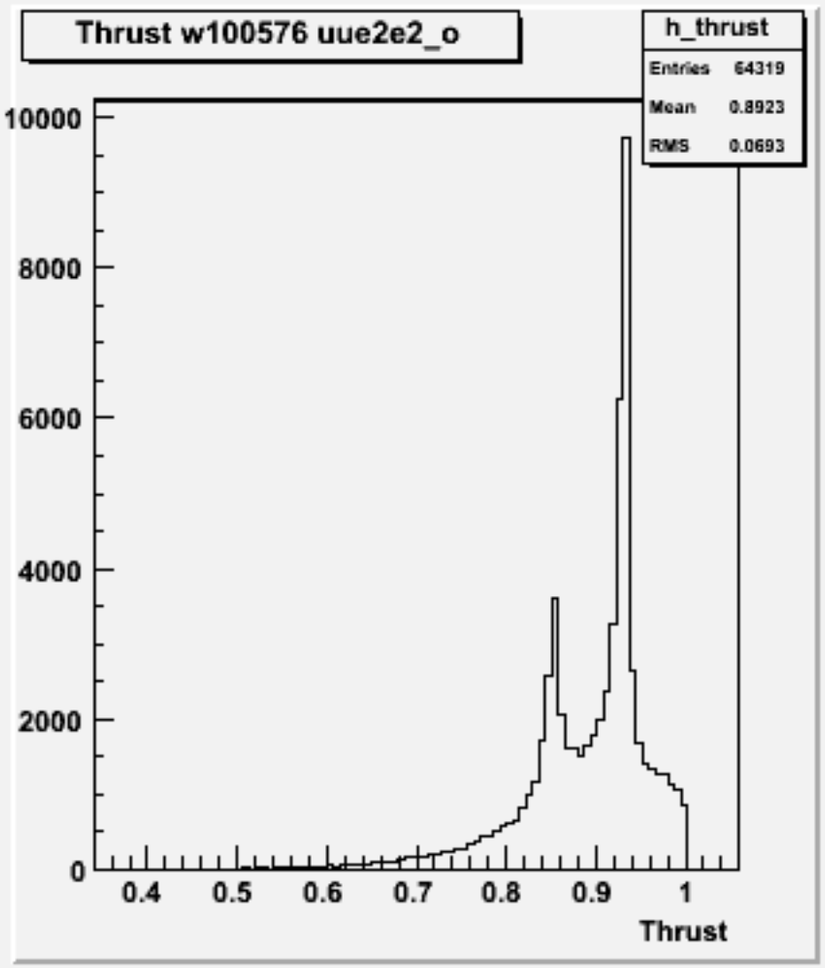

Total Energy (inc. ν): w100576 uue2e2_o
h_etot
Entries 64319
Mean 346.8
RMS 7.376
Total Energy(GeV)

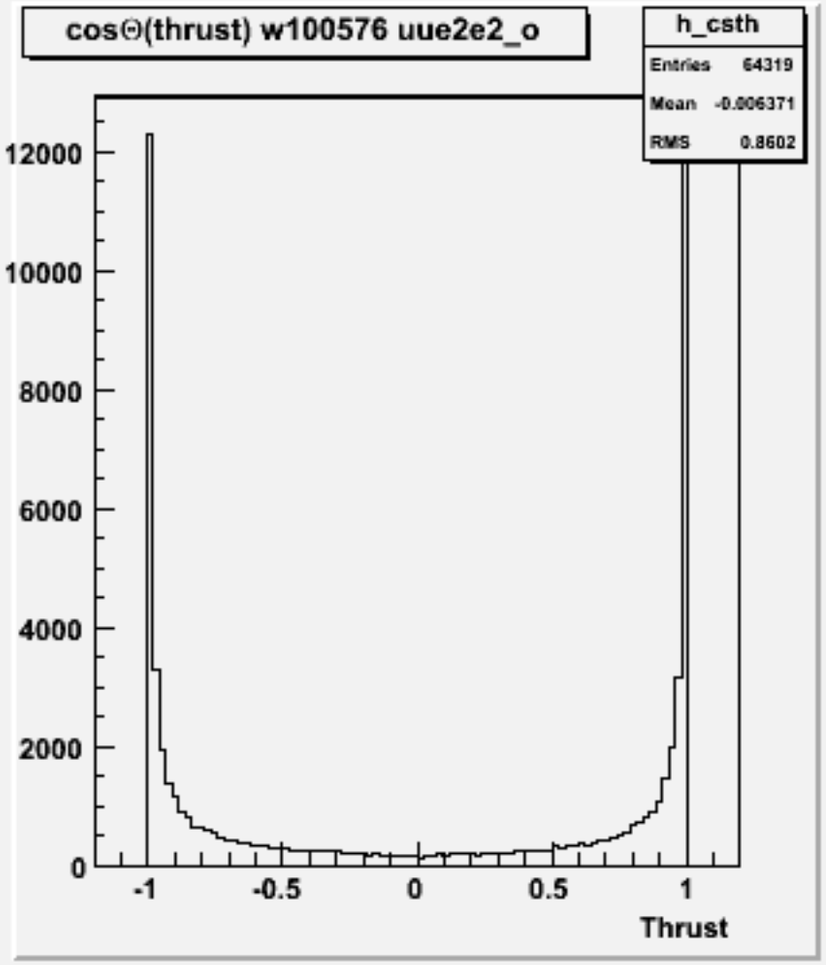

Total Energy (inc. ν): w100576 uue2e2_o
h_etotc
Entries 58409
Mean 348.6
RMS 2.329
Total Energy(GeV)

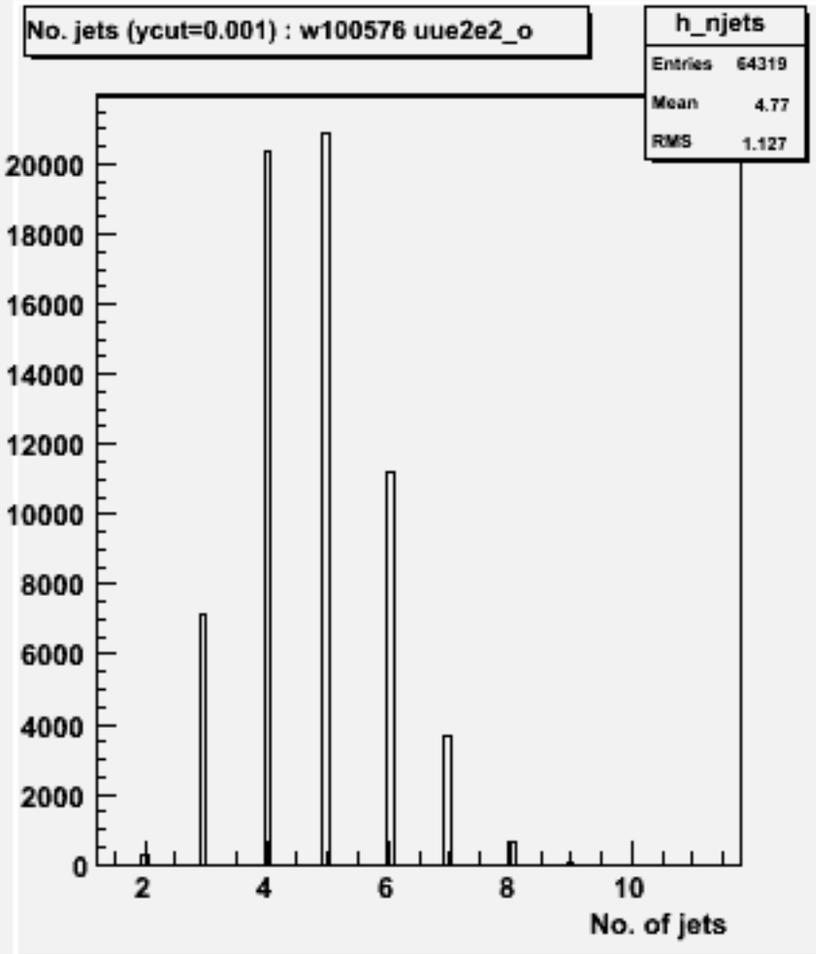

Total Energy (w/o ν): w100576 uue2e2_o
h_evis
Entries 64319
Mean 346.8
RMS 7.399
Energy(GeV)

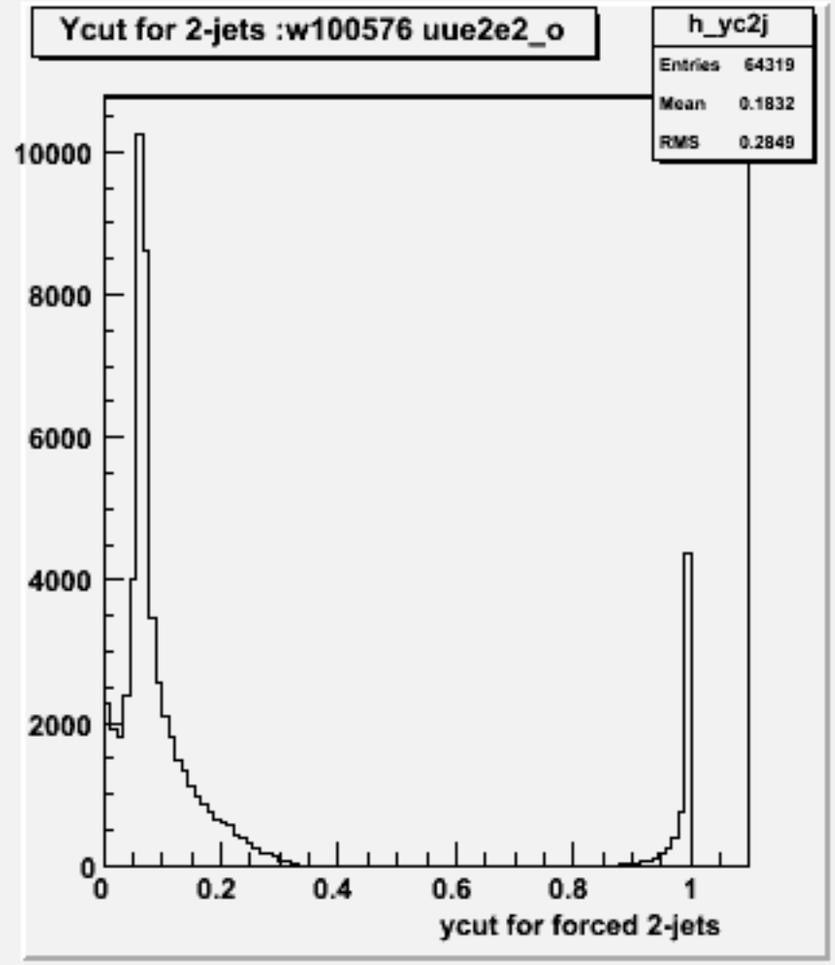

Pt Sum: w100576 uue2e2_o
h_pt
Entries 64319
Mean 0.01778
RMS 0.3615
Pt(sum) (GeV)

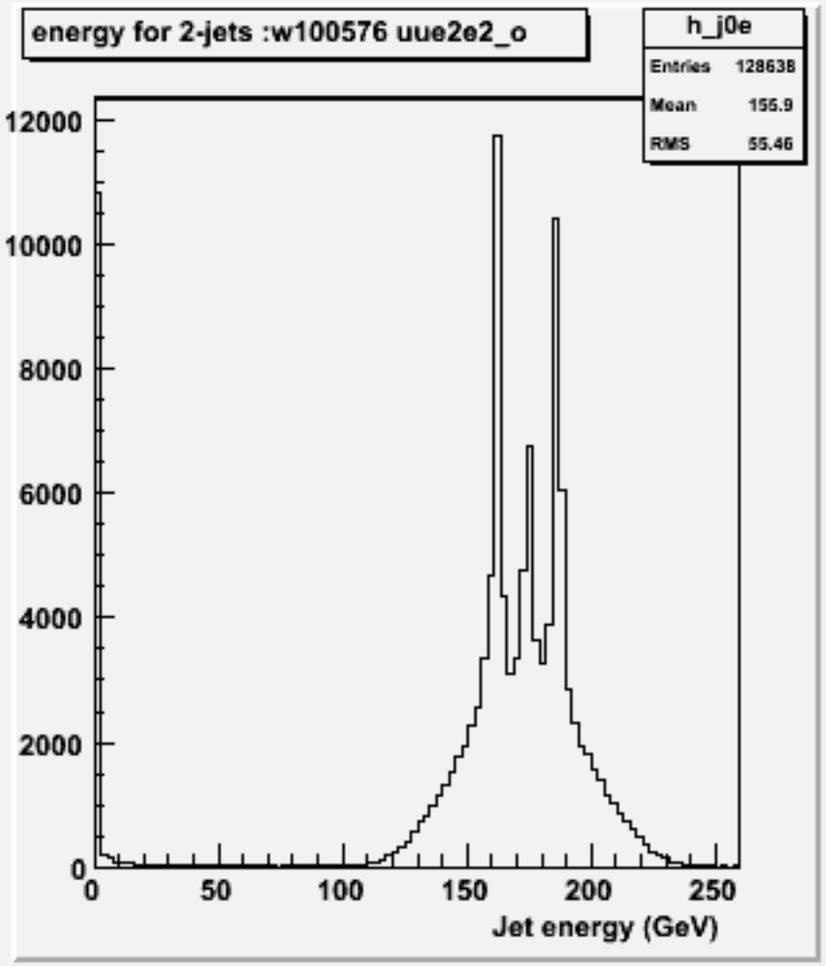

Pz Sum: w100576 uue2e2_o
h_pz
Entries 64319
Mean -0.008808
RMS 7.235
Pz(sum) (GeV)

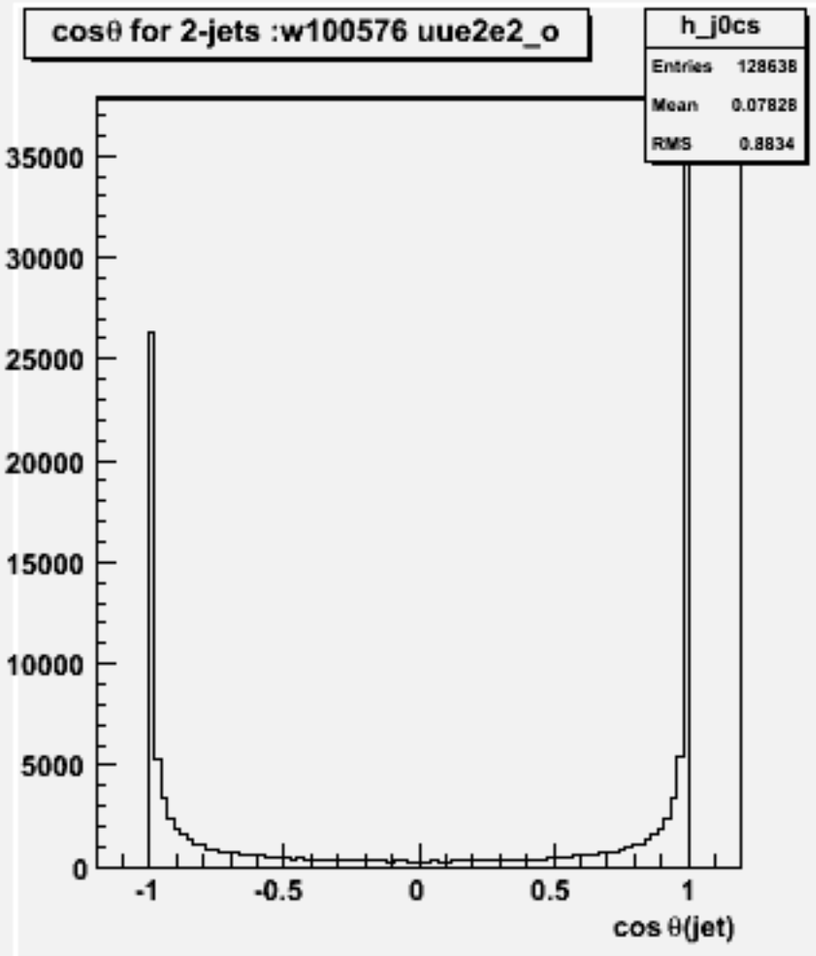

Thrust w100576 uue2e2_o
h_thrust
Entries 64319
Mean 0.8923
RMS 0.0693
Thrust

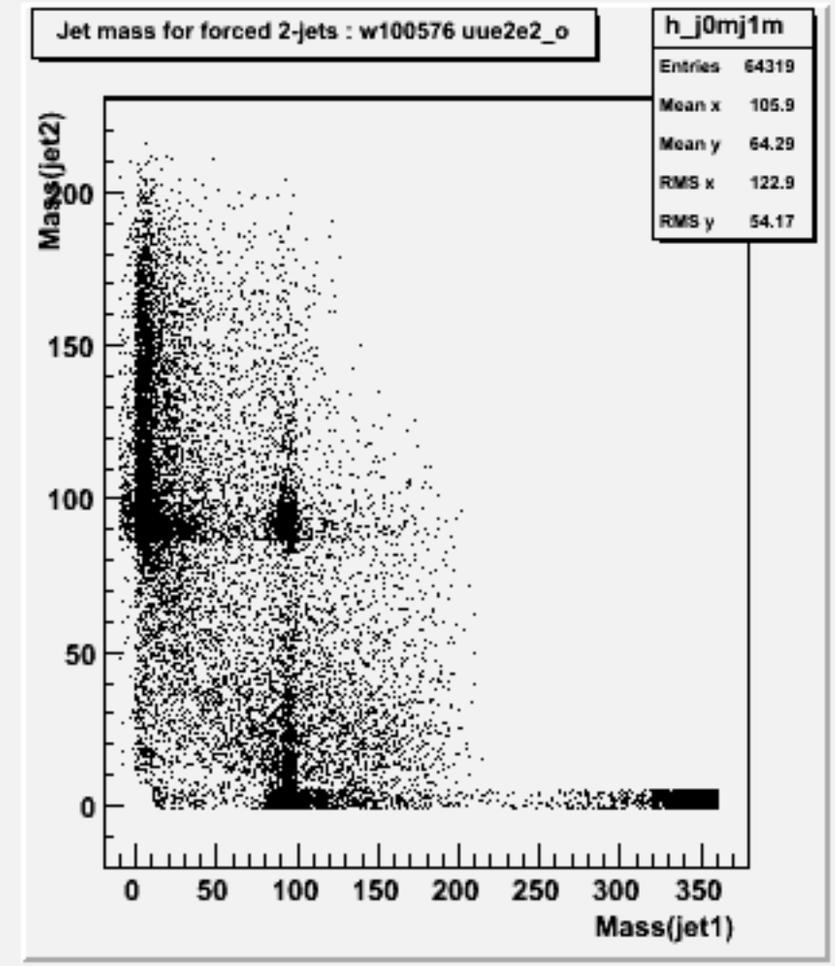

cosΘ(thrust) w100576 uue2e2_o
h_csth
Entries 64319
Mean -0.006371
RMS 0.8602
Thrust

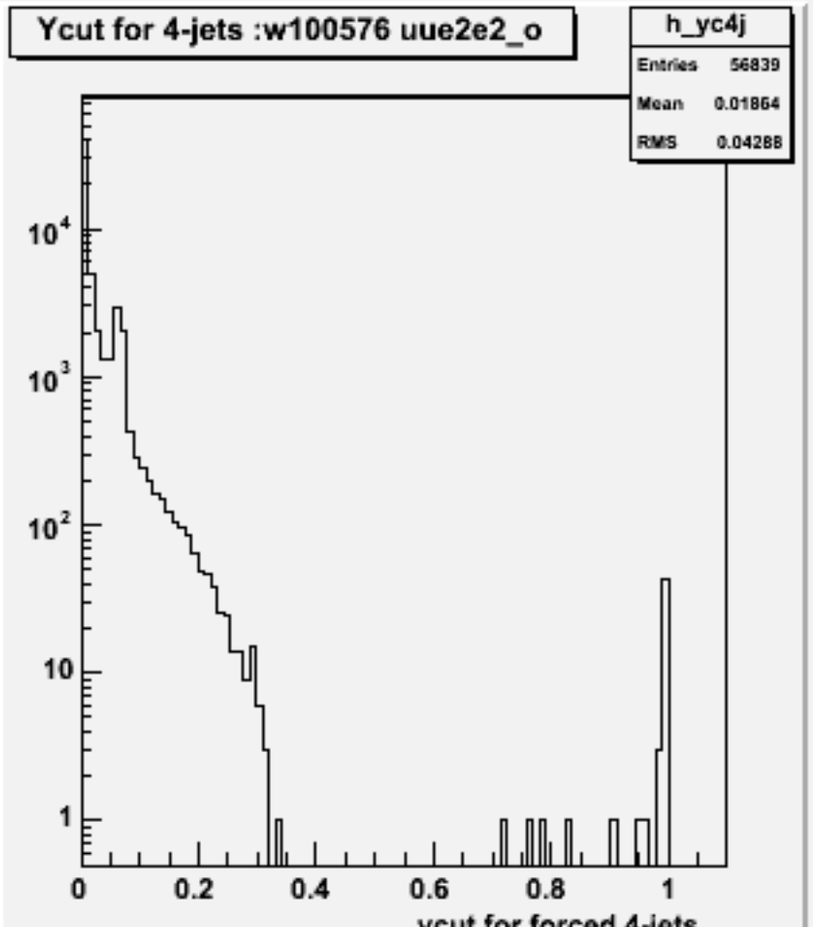

No. jets (ycut=0.001) : w100576 uue2e2_o
h_njets
Entries 64319
Mean 4.77
RMS 1.127
No. of jets

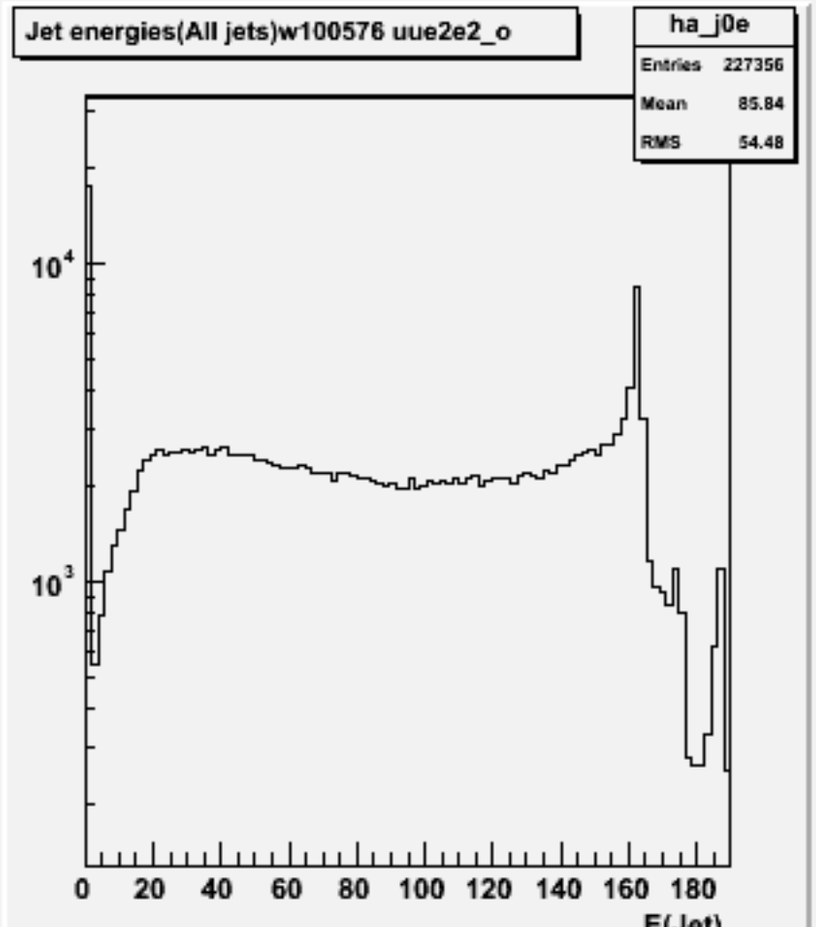

Ycut for 2-jets :w100576 uue2e2_o
h_yc2j
Entries 64319
Mean 0.1832
RMS 0.2849
ycut for forced 2-jets

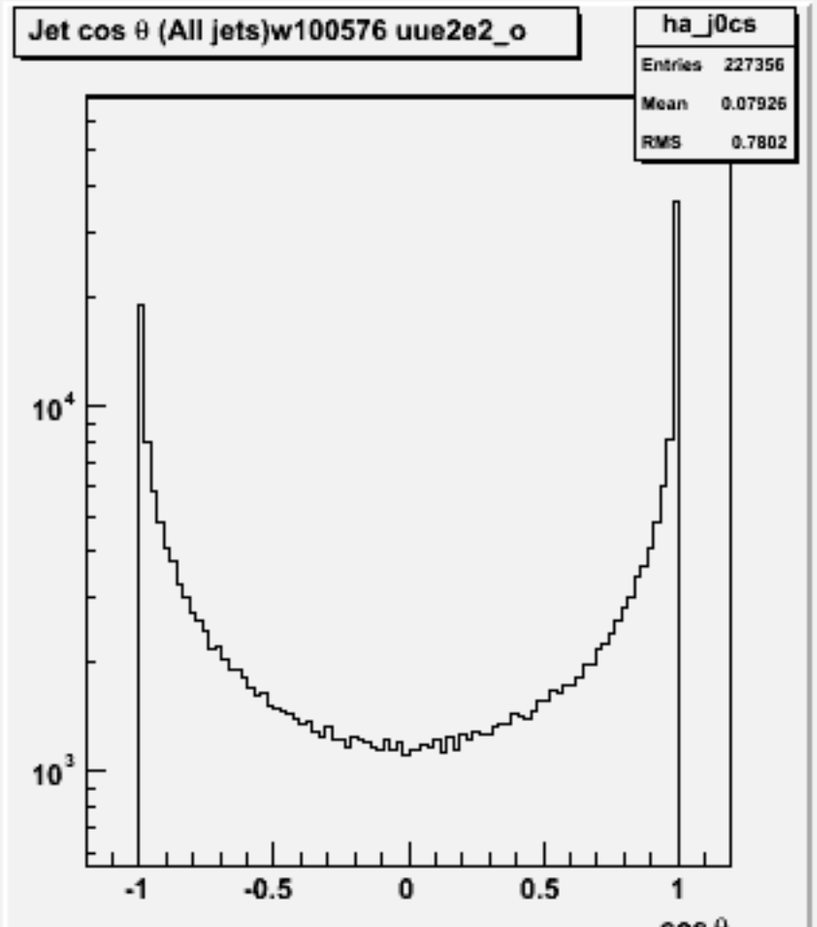

energy for 2-jets :w100576 uue2e2_o
h_j0e
Entries 128638
Mean 155.9
RMS 55.46
Jet energy (GeV)

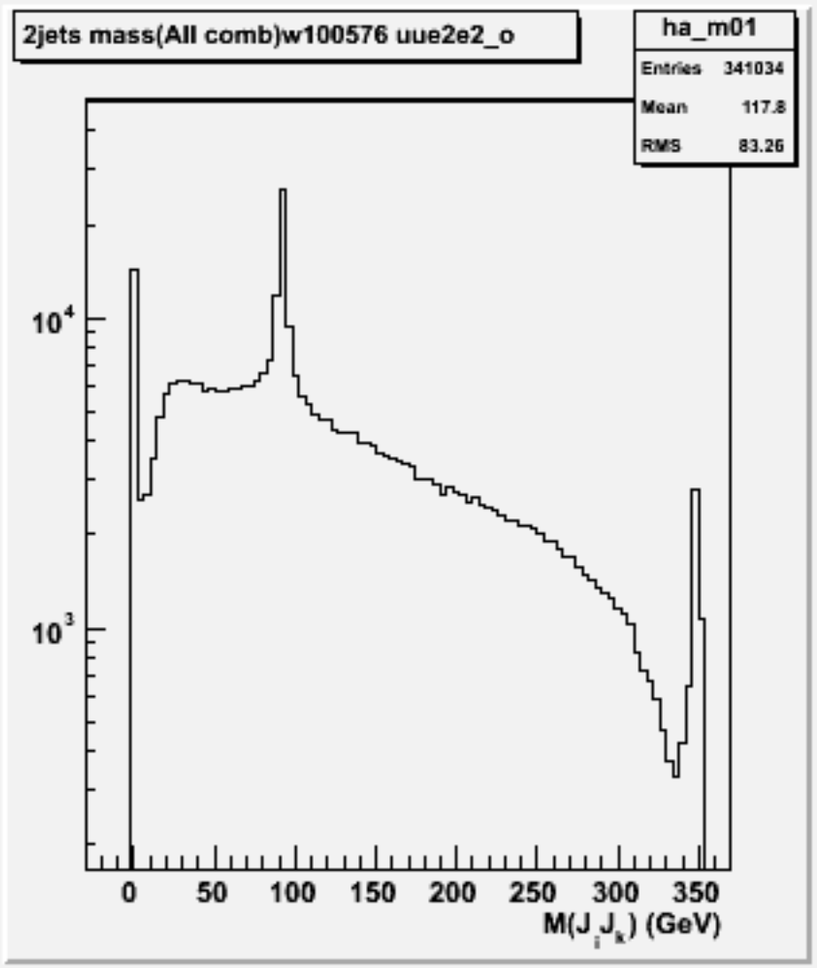

cosθ for 2-jets :w100576 uue2e2_o
h_j0cs
Entries 128638
Mean 0.07828
RMS 0.8834
cos θ(jet)

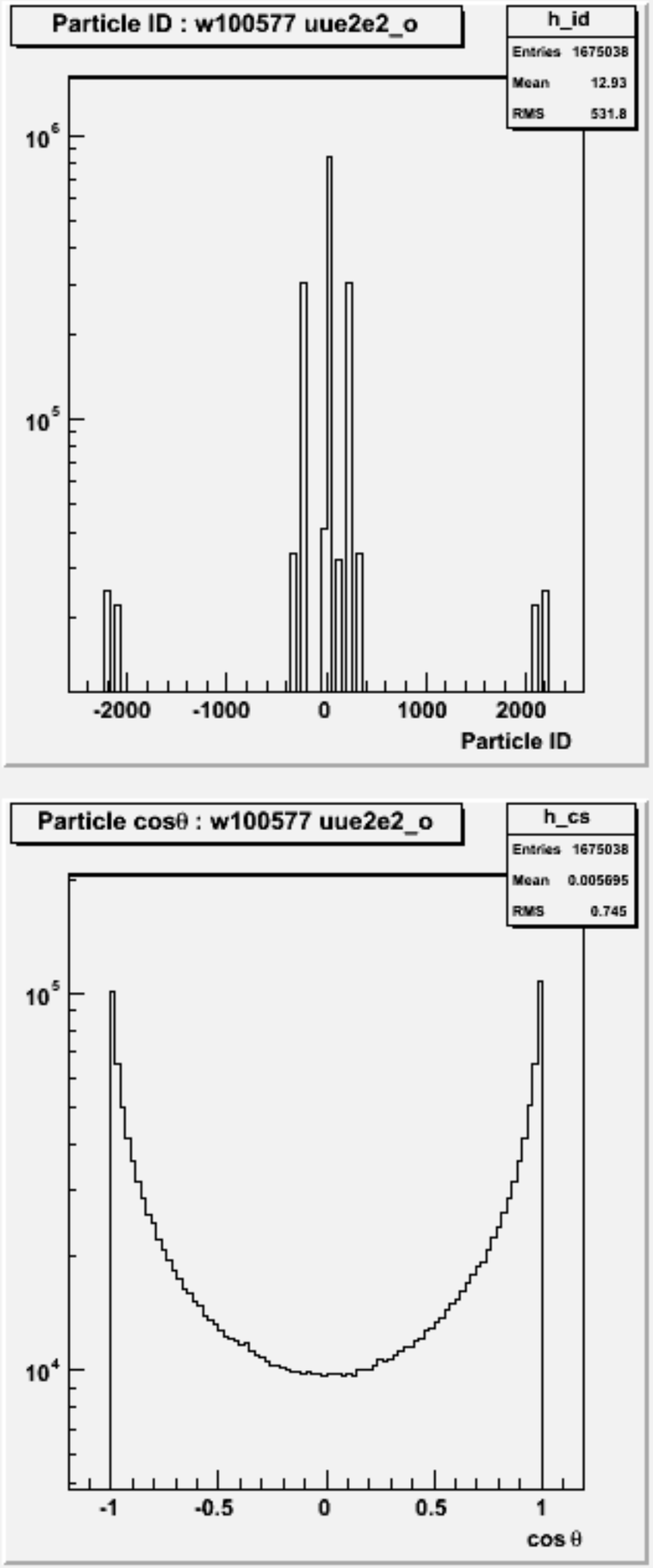

Jet mass for forced 2-jets : w100576 uue2e2_o
h_j0mj1m
Entries 64319
Mean x 105.9
Mean y 64.29
RMS x 122.9
RMS y 54.17
Mass(jet2)
Mass(jet1)

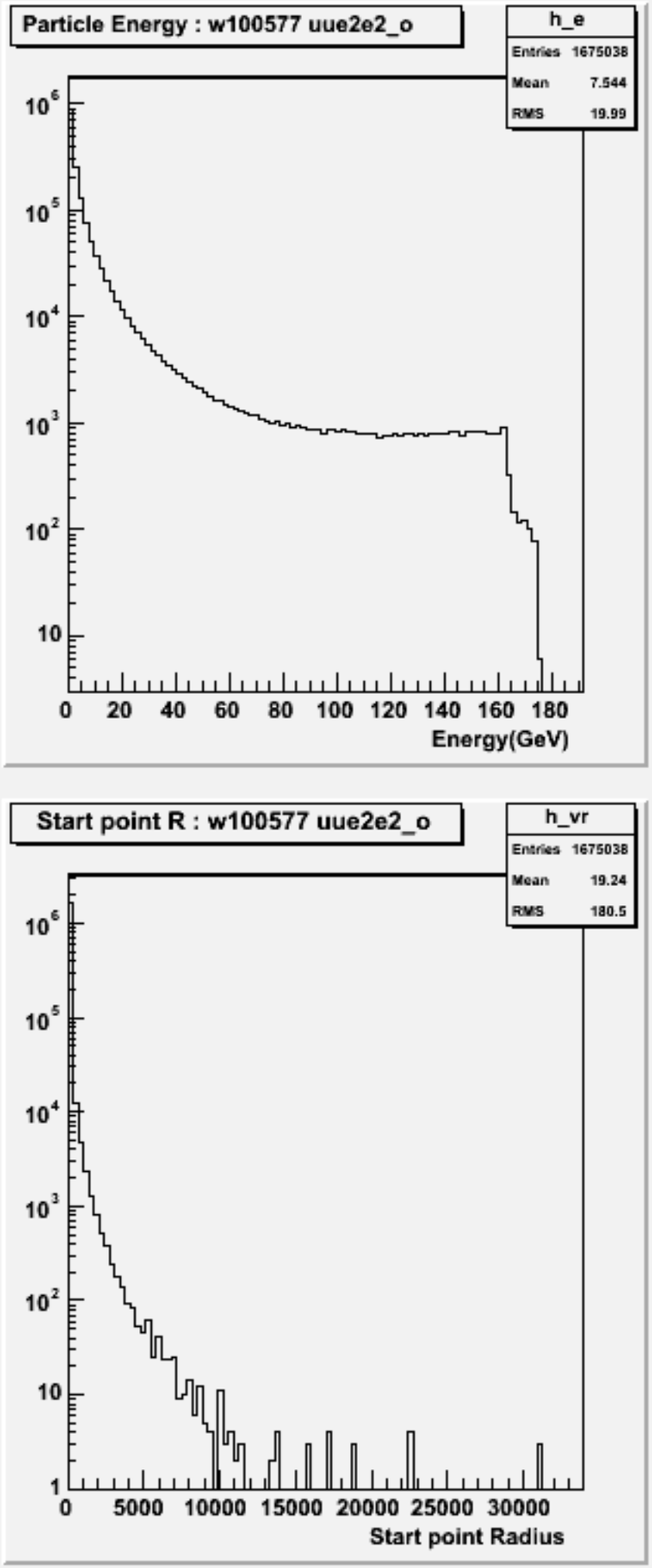

Ycut for 4-jets :w100576 uue2e2_o
h_yc4j
Entries 56839
Mean 0.01864
RMS 0.04288
ycut for forced 4-jets

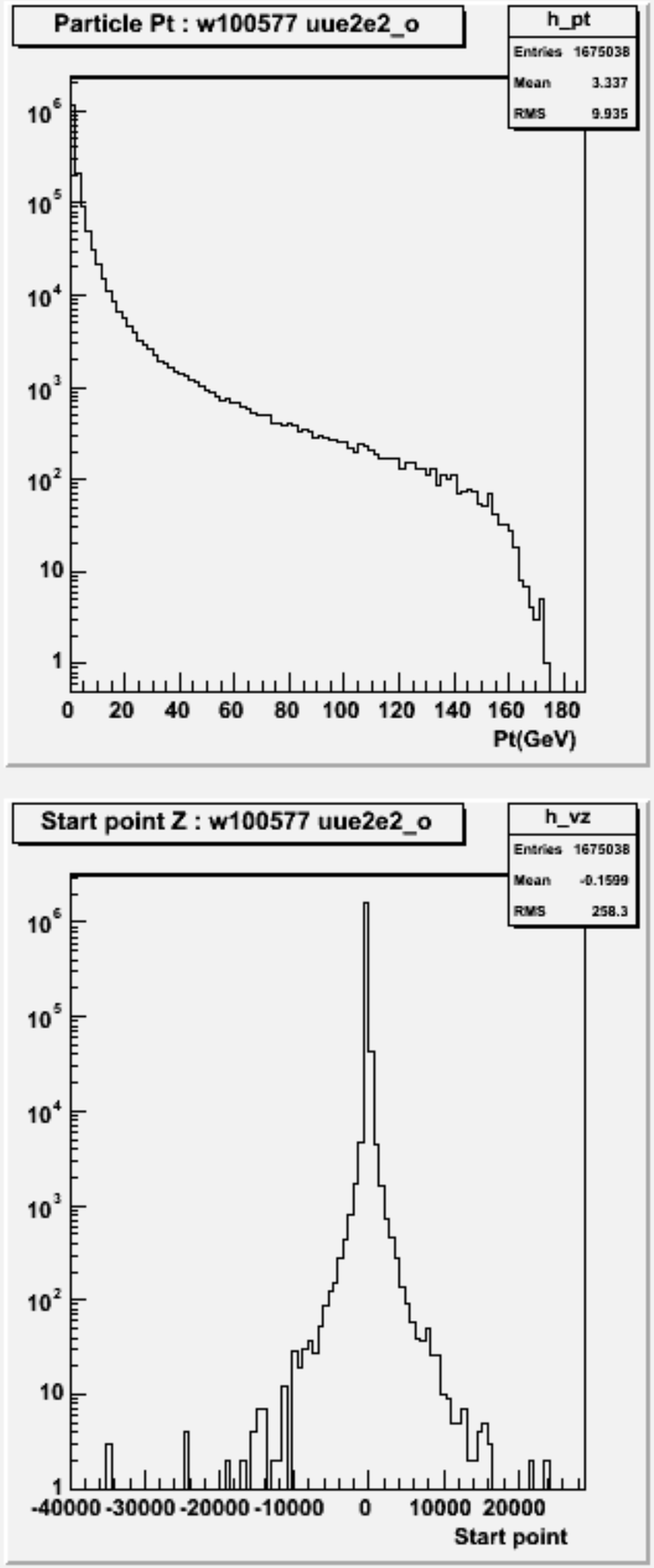

Jet energies(All jets)w100576 uue2e2_o
ha_j0e
Entries 227356
Mean 85.84
RMS 54.48
E(Jet)


Jet cos θ (All jets)w100576 uue2e2_o
ha_j0cs
Entries 227356
Mean 0.07926
RMS 0.7802
cos θ


2jets mass(All comb)w100576 uue2e2_o
ha_m01
Entries 341034
Mean 117.8
RMS 83.26
M(J_iJ_k) (GeV)


Particle ID : w100577 uue2e2_o
h_id
Entries 1675038
Mean 12.93
RMS 531.8
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

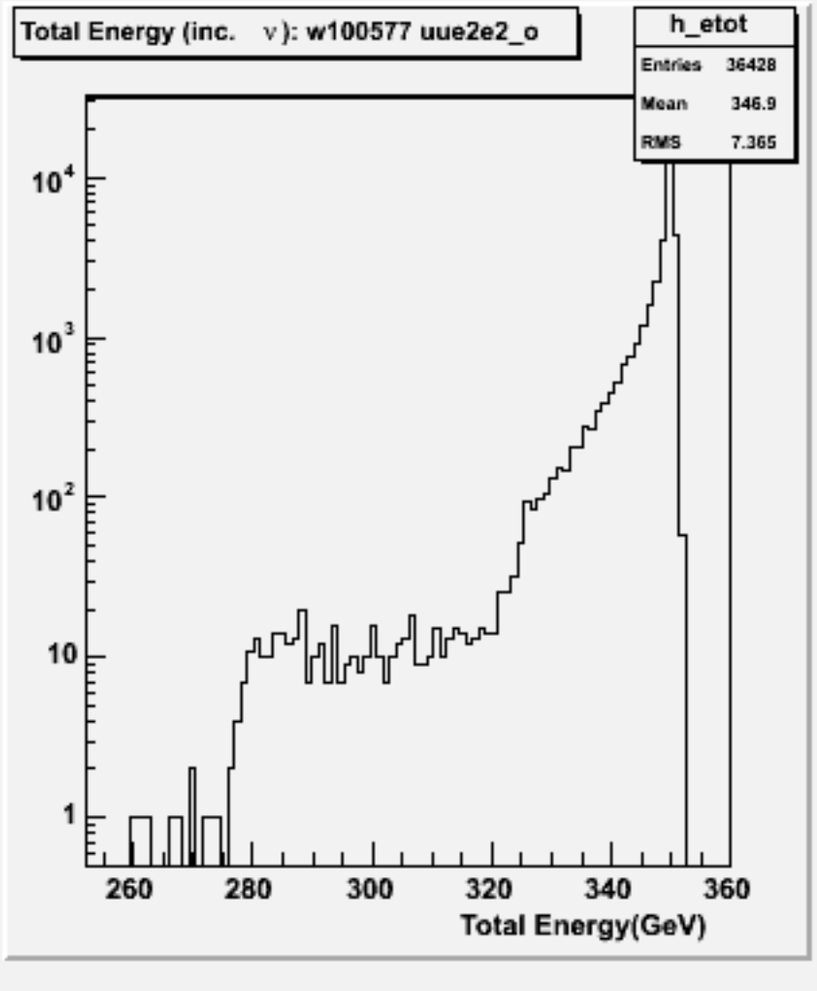

Particle Energy : w100577 uue2e2_o
h_e
Entries 1675038
Mean 7.544
RMS 19.99
10^6
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

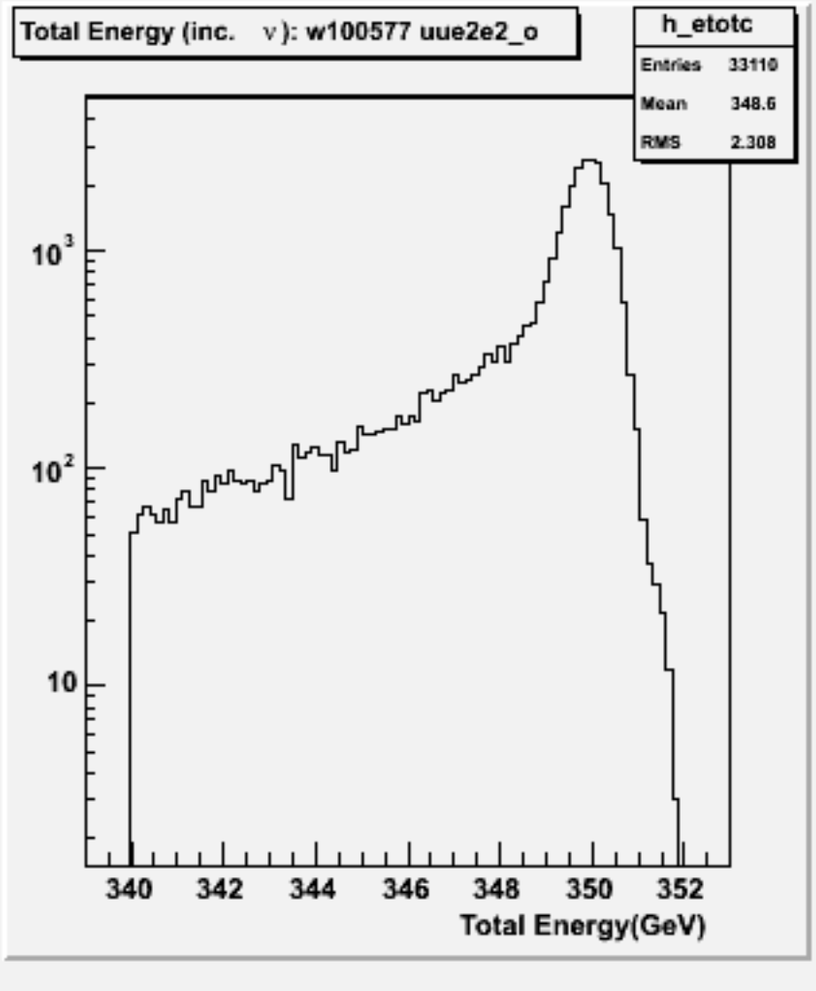

Particle Pt : w100577 uue2e2_o
h_pt
Entries 1675038
Mean 3.337
RMS 9.935
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

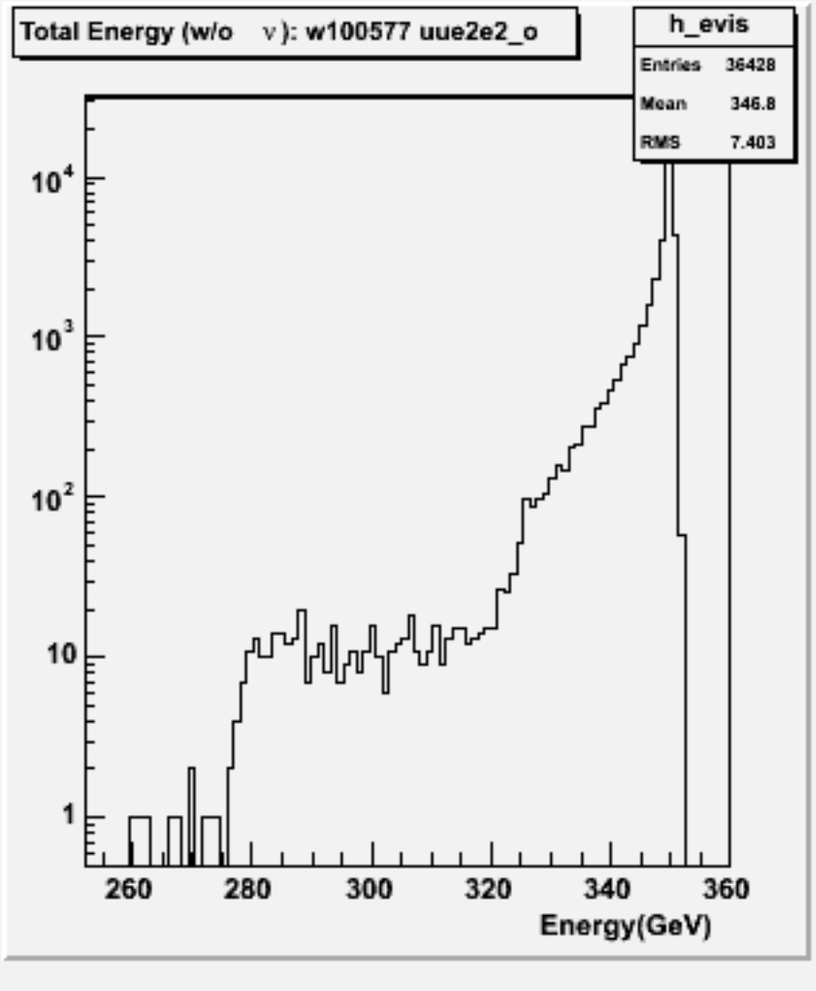
Particle cosθ : w100577 uue2e2_o
h_cs
Entries 1675038
Mean 0.005695
RMS 0.745
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

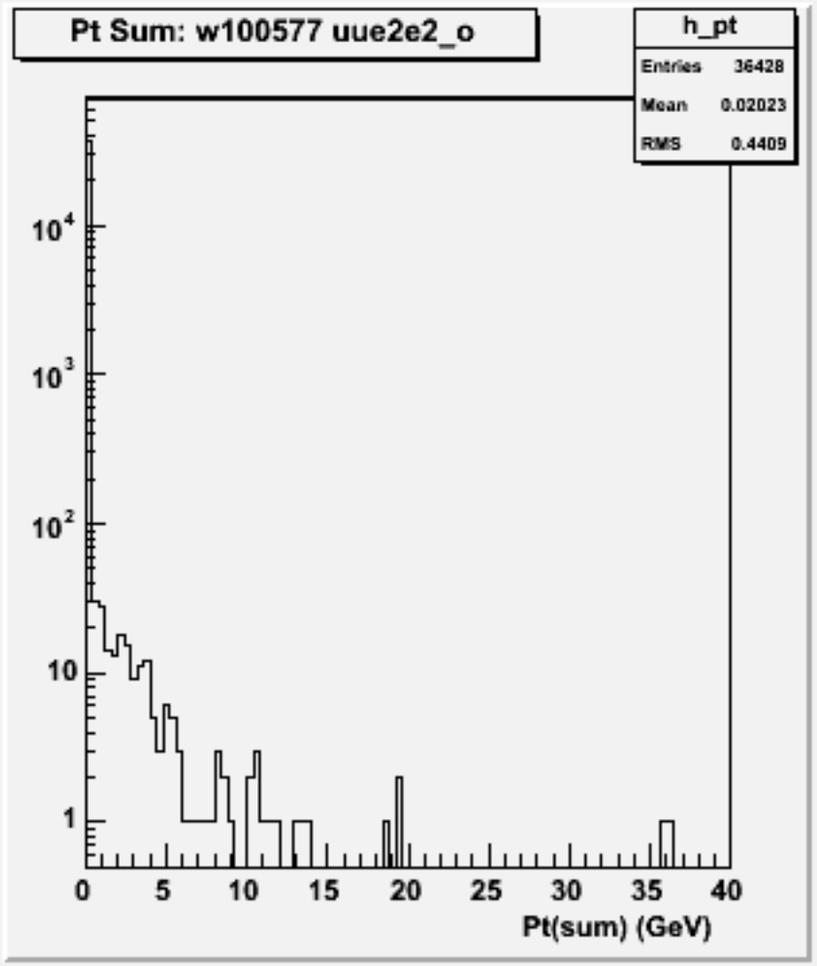
Start point R : w100577 uue2e2_o
h_vr
Entries 1675038
Mean 19.24
RMS 180.5
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
Start point Radius

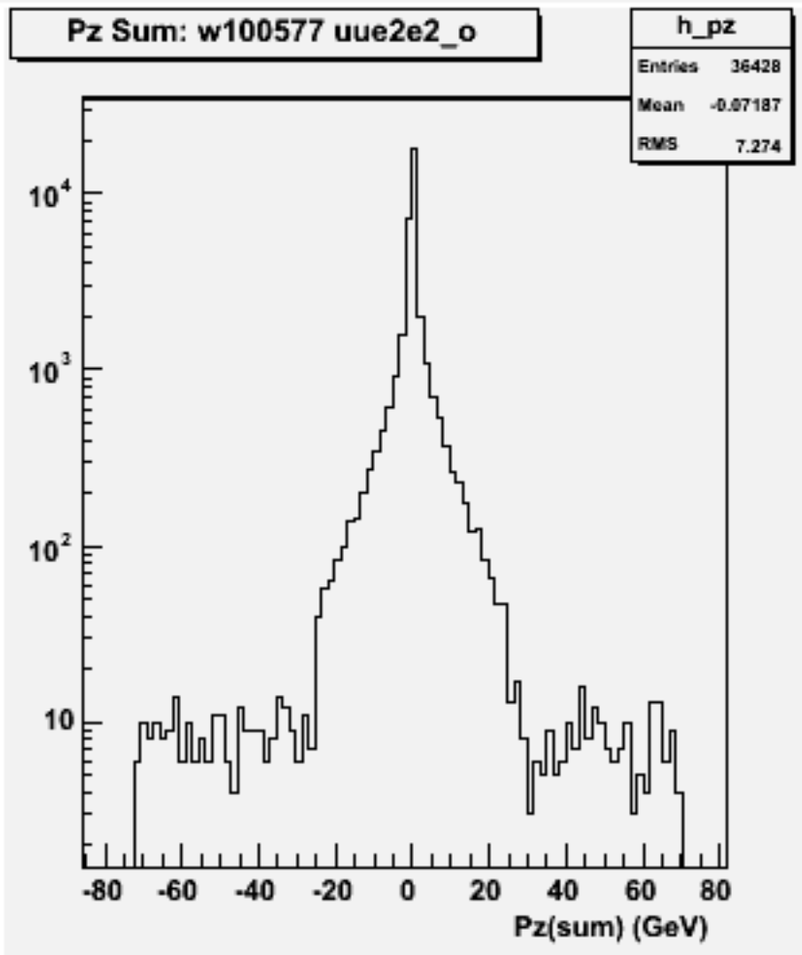
Start point Z : w100577 uue2e2_o
h_vz
Entries 1675038
Mean -0.1599
RMS 258.3
10^6
10^5
10^4
10^3
10^2
10
1
-40000
-30000
-20000
-10000
0
10000
20000
Start point

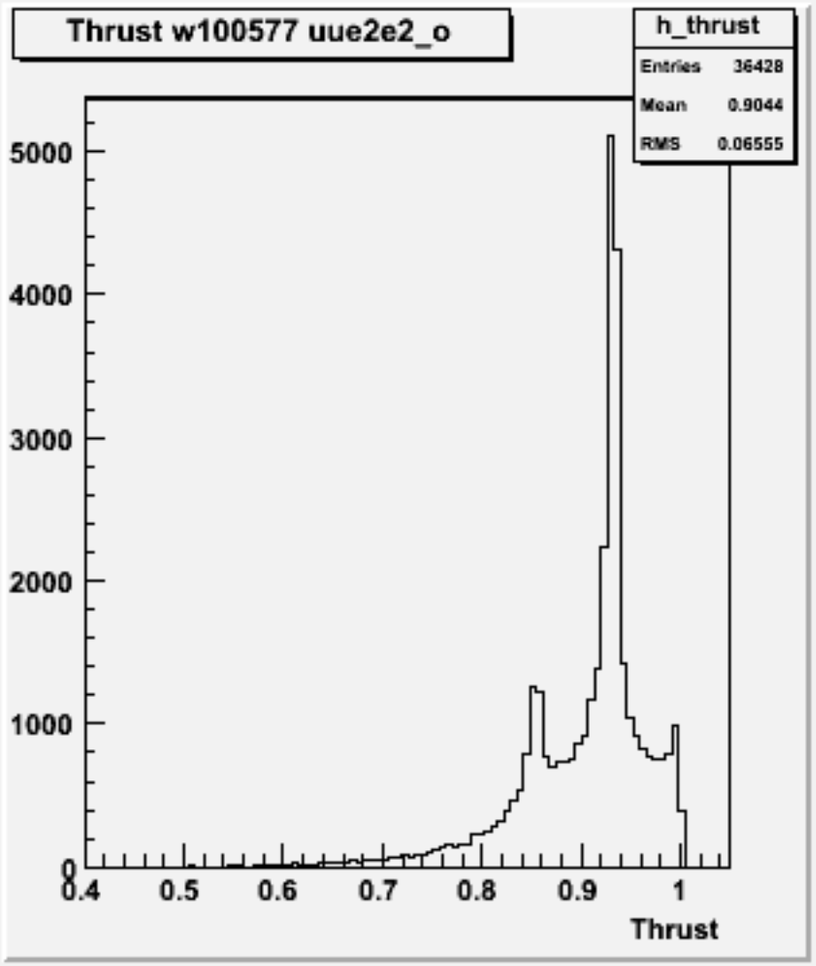

Total Energy (inc. ν): w100577 uue2e2_o
h_etot
Entries 36428
Mean 346.9
RMS 7.365
Total Energy(GeV)

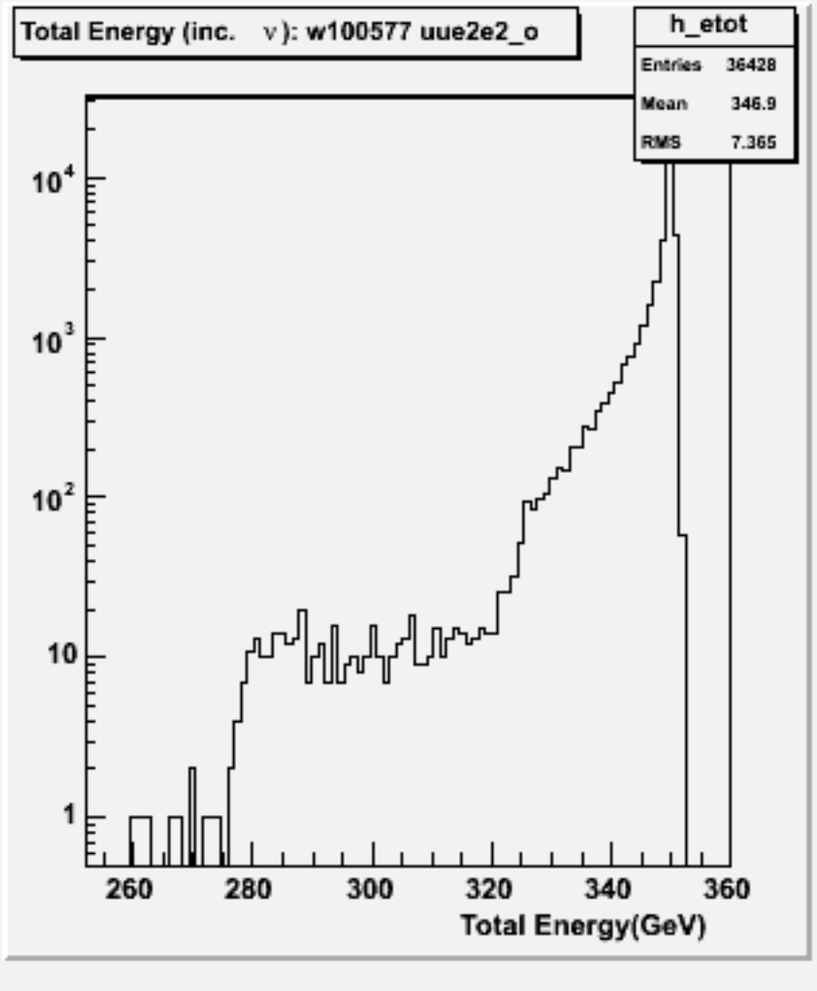

Total Energy (inc. ν): w100577 uue2e2_o
h_etotc
Entries 33110
Mean 348.6
RMS 2.308
Total Energy(GeV)

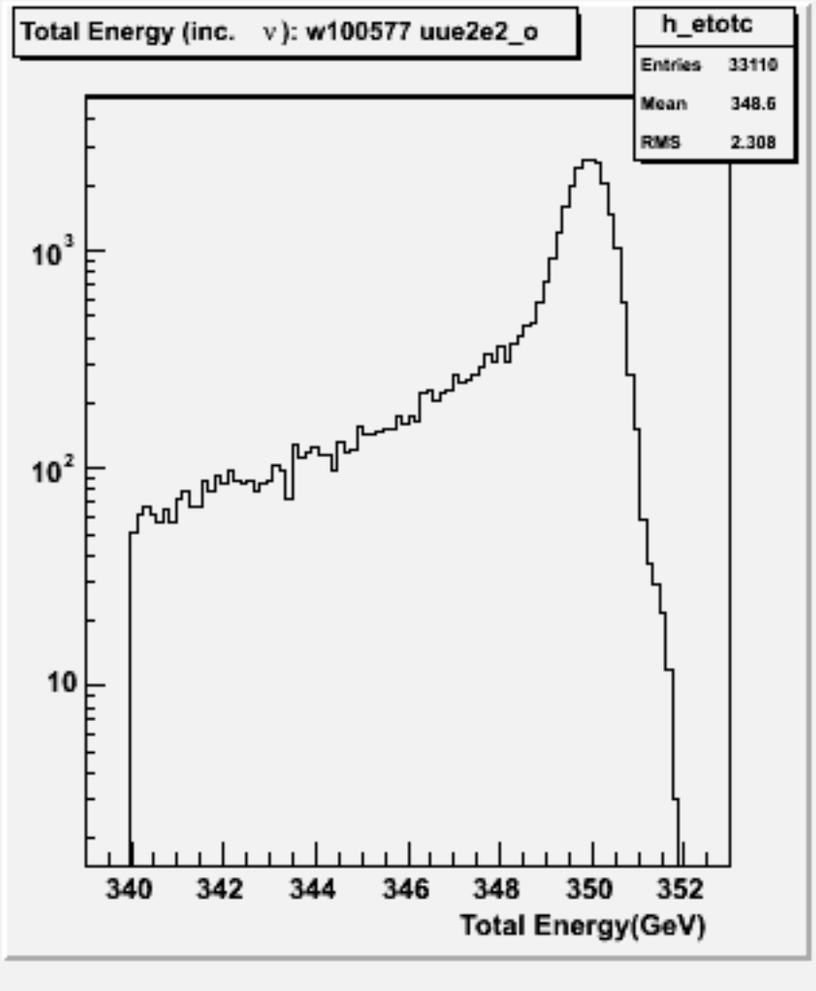

Total Energy (w/o ν): w100577 uue2e2_o
h_evis
Entries 36428
Mean 346.8
RMS 7.403
Energy(GeV)

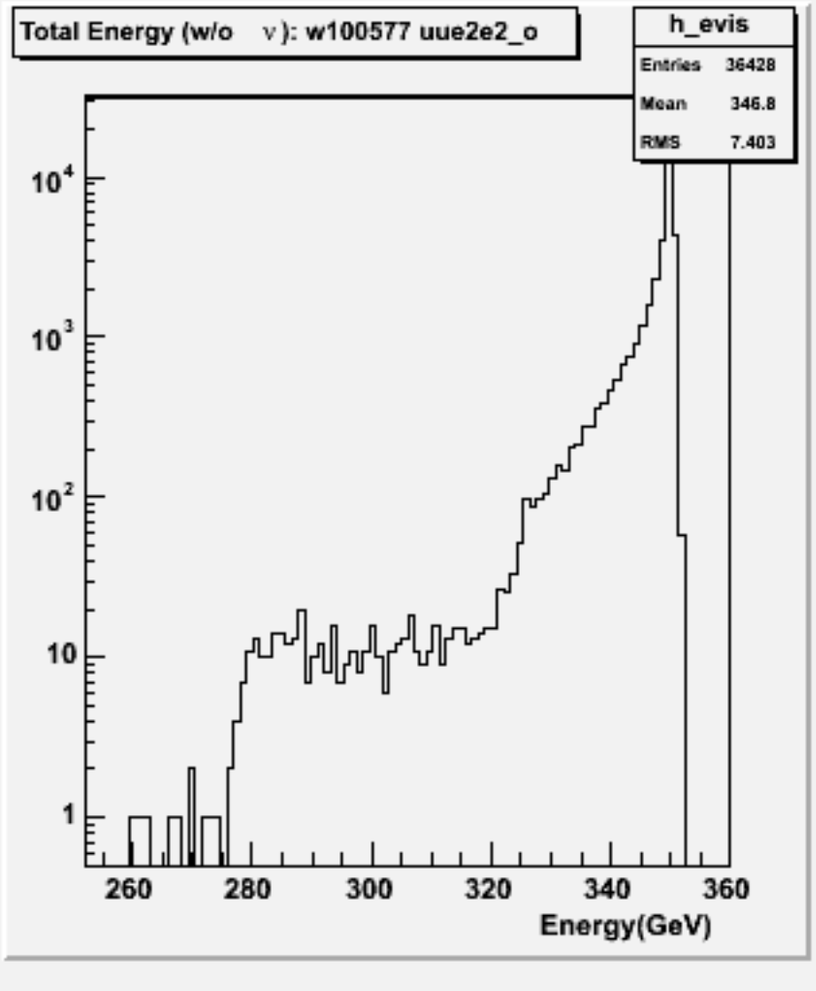

Pt Sum: w100577 uue2e2_o
h_pt
Entries 36428
Mean 0.02023
RMS 0.4409
Pt(sum) (GeV)

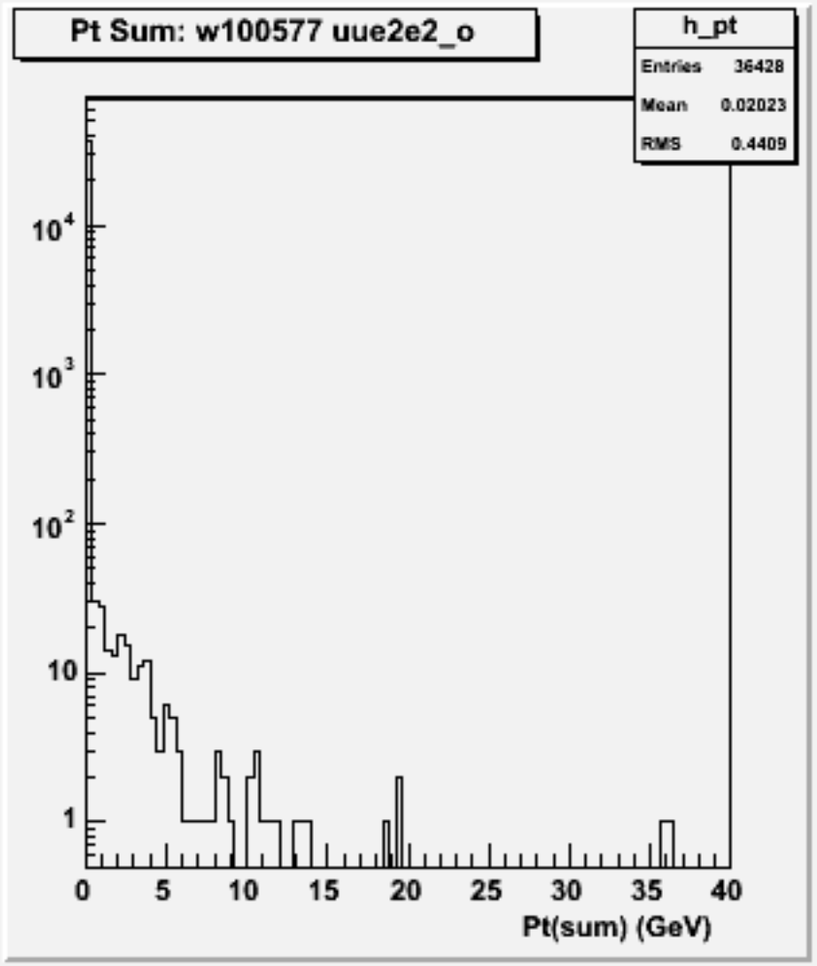

Pz Sum: w100577 uue2e2_o
h_pz
Entries 36428
Mean -0.07187
RMS 7.274
Pz(sum) (GeV)

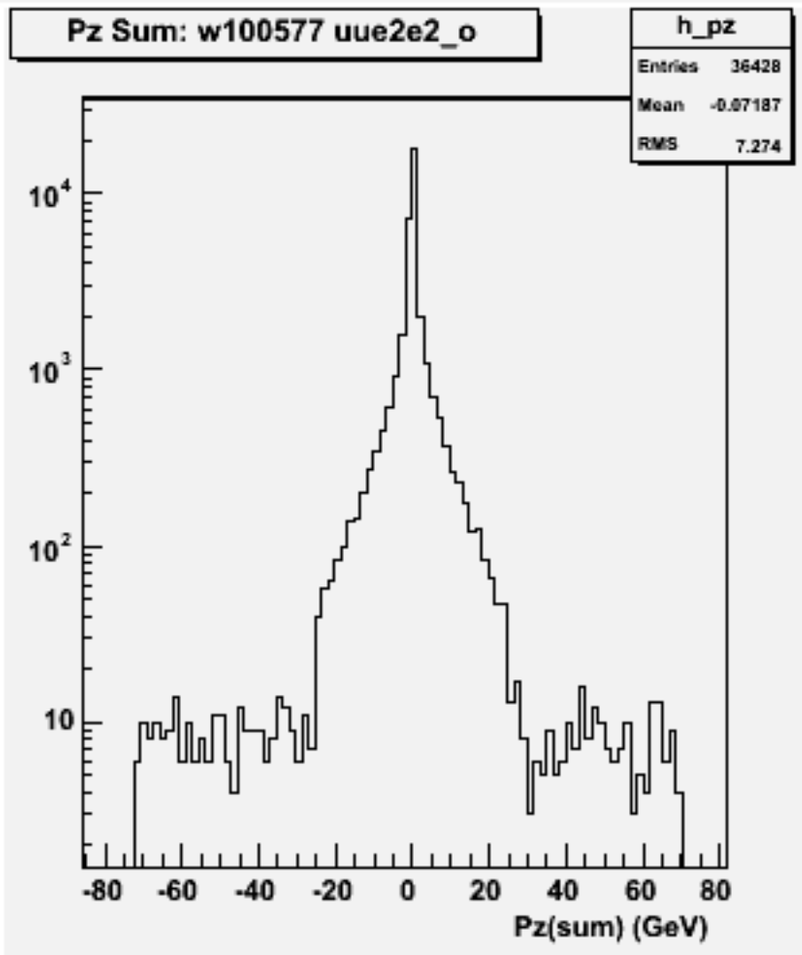

Thrust w100577 uue2e2_o
h_thrust
Entries 36428
Mean 0.9044
RMS 0.06555
Thrust

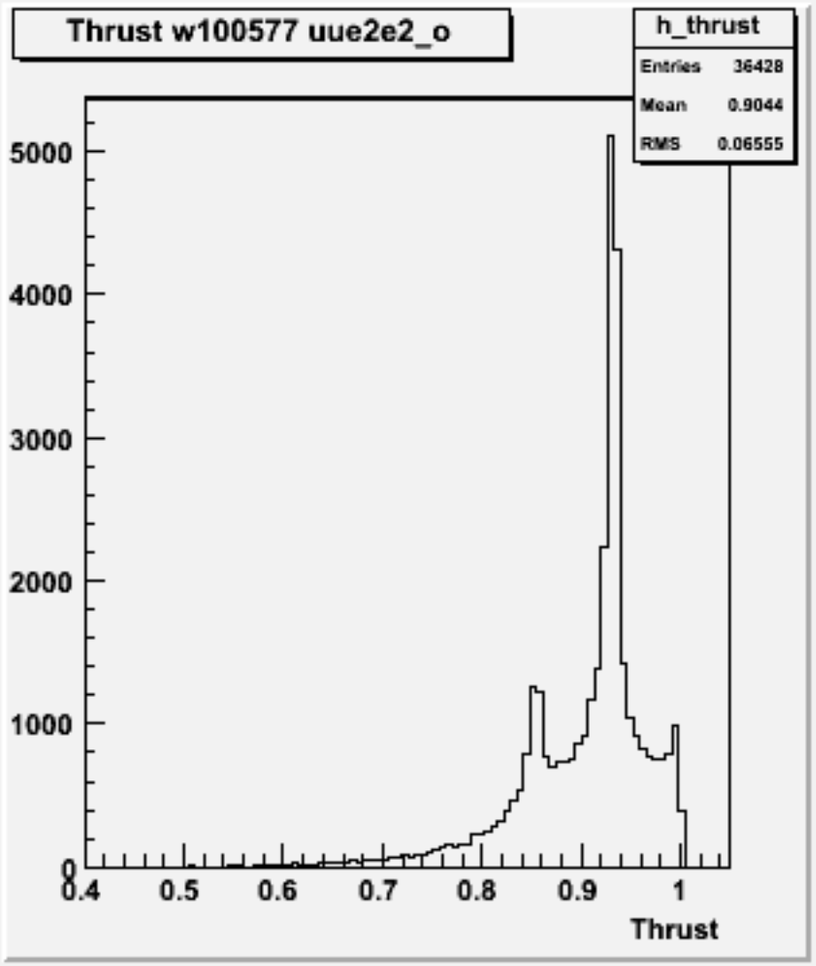

Total Energy (inc. ν): w100577 uue2e2_o
h_etot
Entries 36428
Mean 346.9
RMS 7.365
Total Energy(GeV)

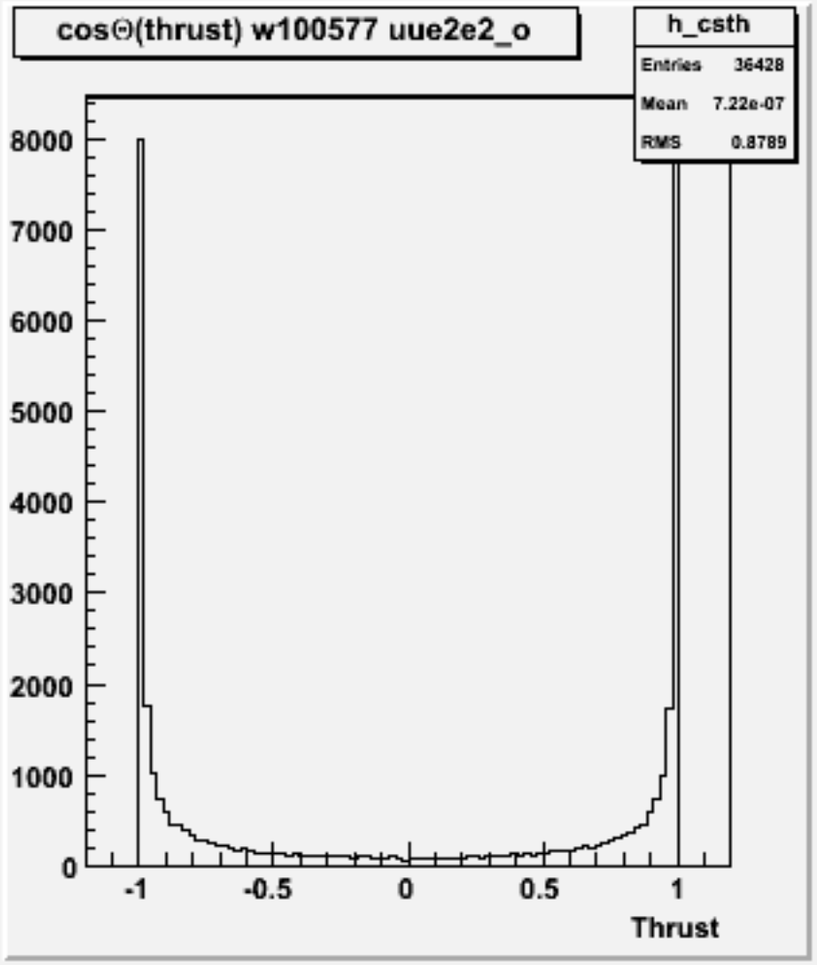

Total Energy (inc. ν): w100577 uue2e2_o
h_etotc
Entries 33110
Mean 348.6
RMS 2.308
Total Energy(GeV)

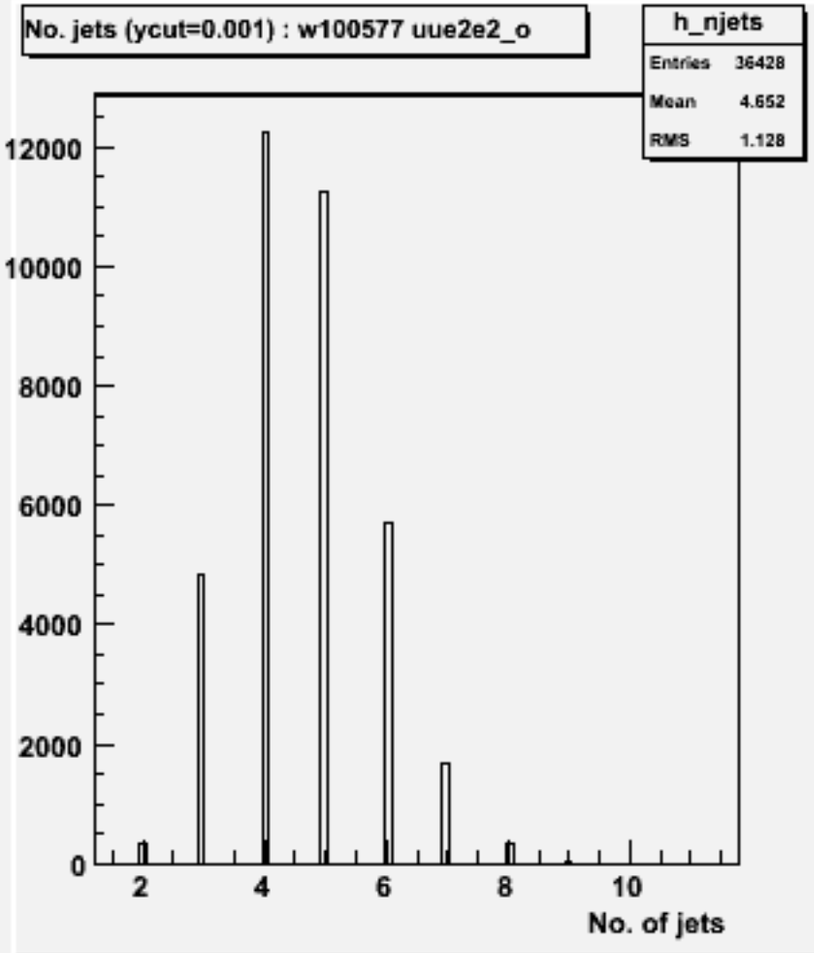

Total Energy (w/o ν): w100577 uue2e2_o
h_evis
Entries 36428
Mean 346.8
RMS 7.403
Energy(GeV)

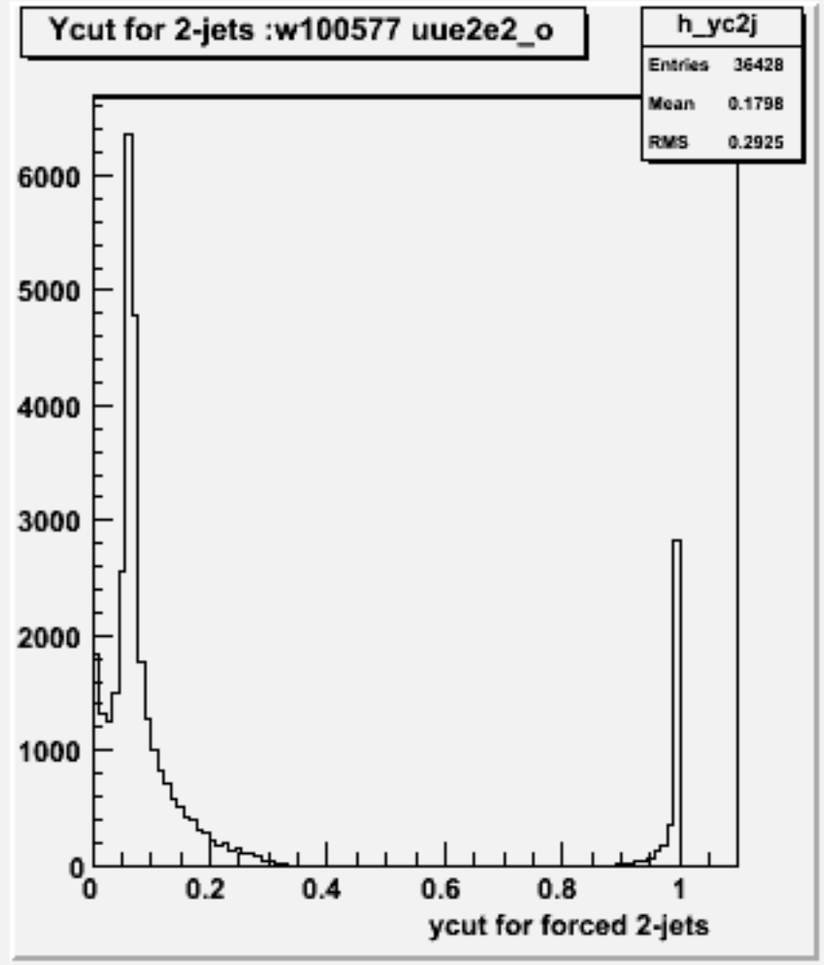

Pt Sum: w100577 uue2e2_o
h_pt
Entries 36428
Mean 0.02023
RMS 0.4409
Pt(sum) (GeV)

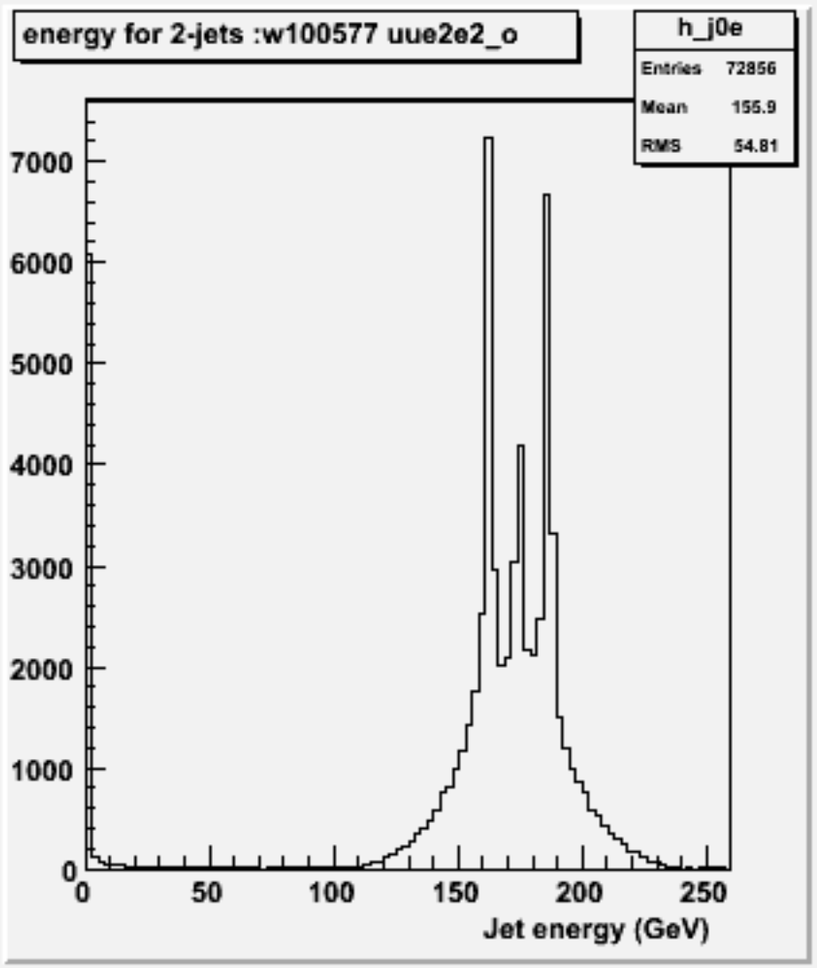

Pz Sum: w100577 uue2e2_o
h_pz
Entries 36428
Mean -0.07187
RMS 7.274
Pz(sum) (GeV)

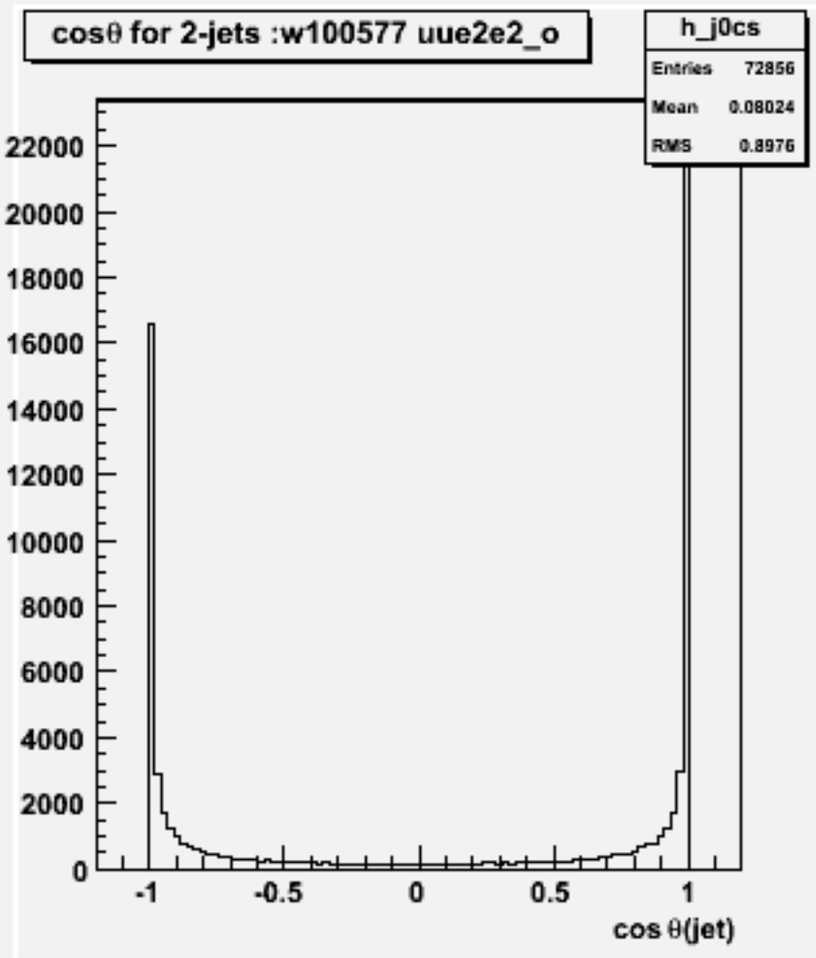

Thrust w100577 uue2e2_o
h_thrust
Entries 36428
Mean 0.9044
RMS 0.06555
Thrust

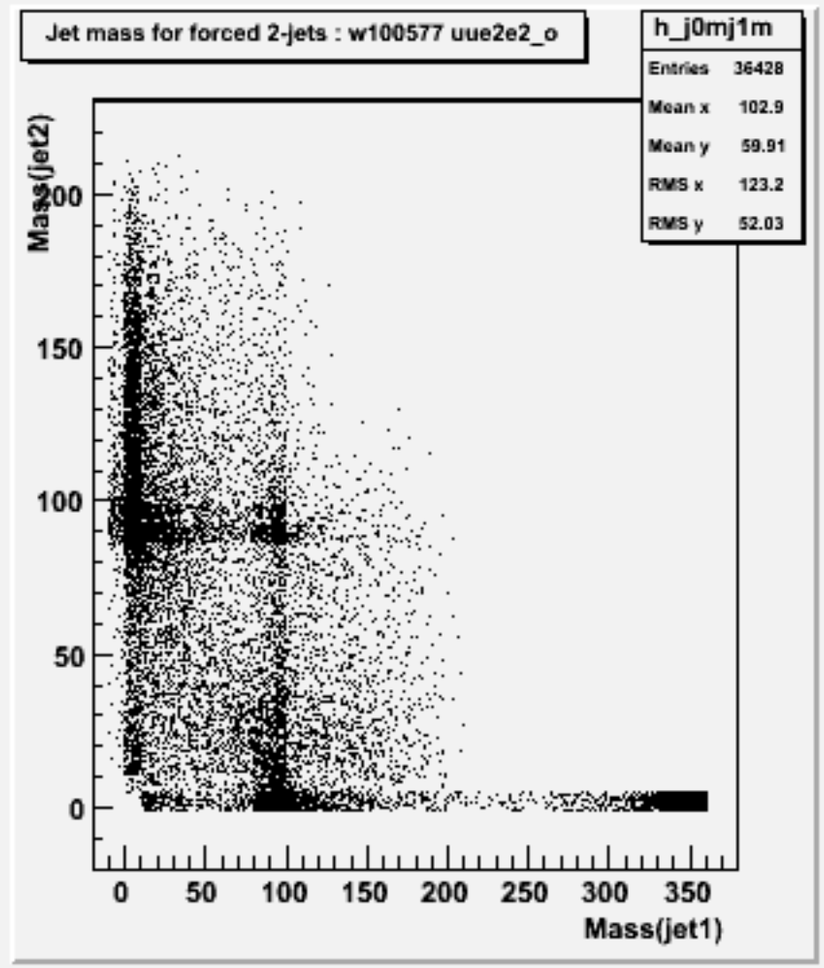

cosΘ(thrust) w100577 uue2e2_o
h_csth
Entries 36428
Mean 7.22e-07
RMS 0.8789
Thrust

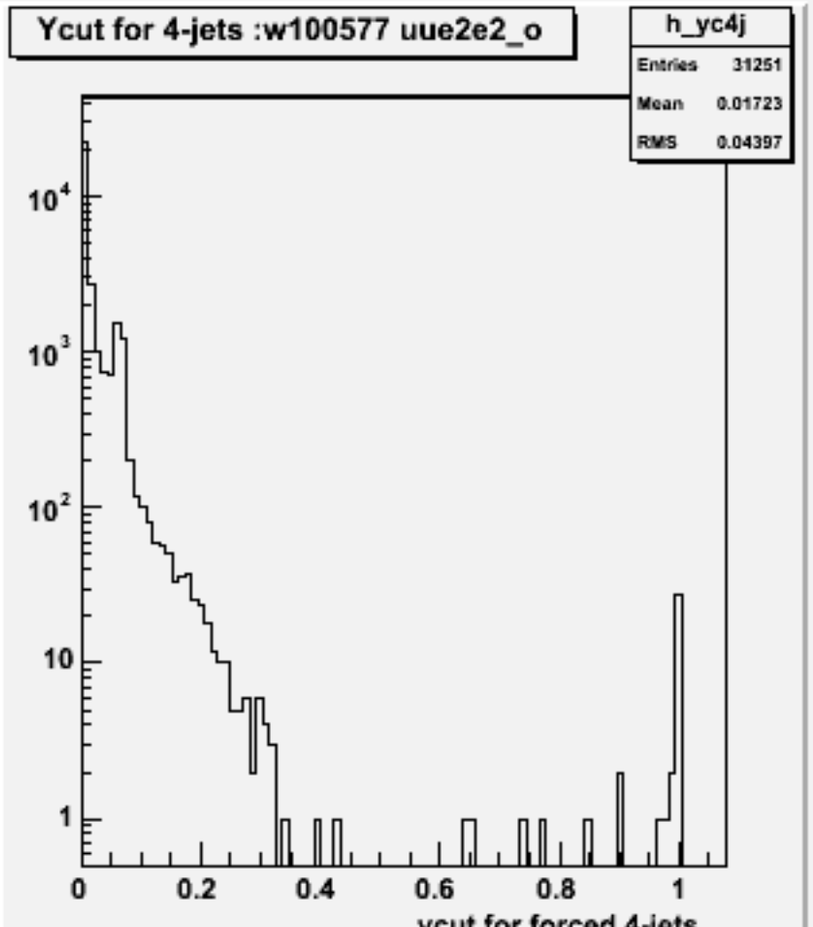

No. jets (ycut=0.001) : w100577 uue2e2_o
h_njets
Entries 36428
Mean 4.652
RMS 1.128
No. of jets

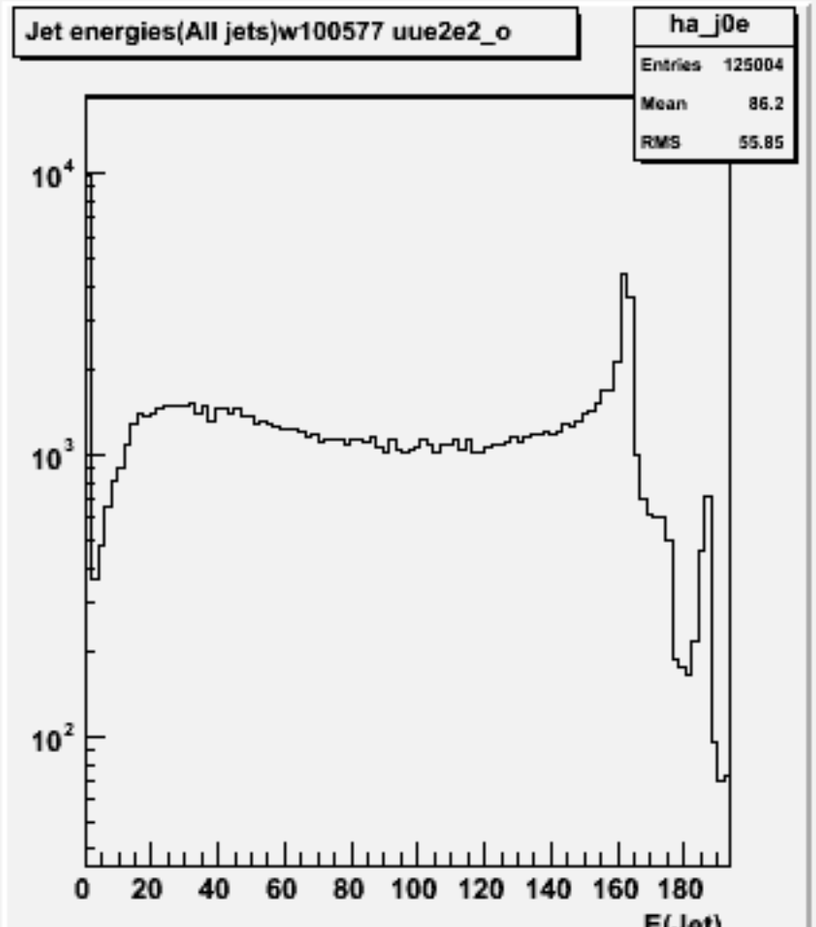

Ycut for 2-jets :w100577 uue2e2_o
h_yc2j
Entries 36428
Mean 0.1798
RMS 0.2925
ycut for forced 2-jets

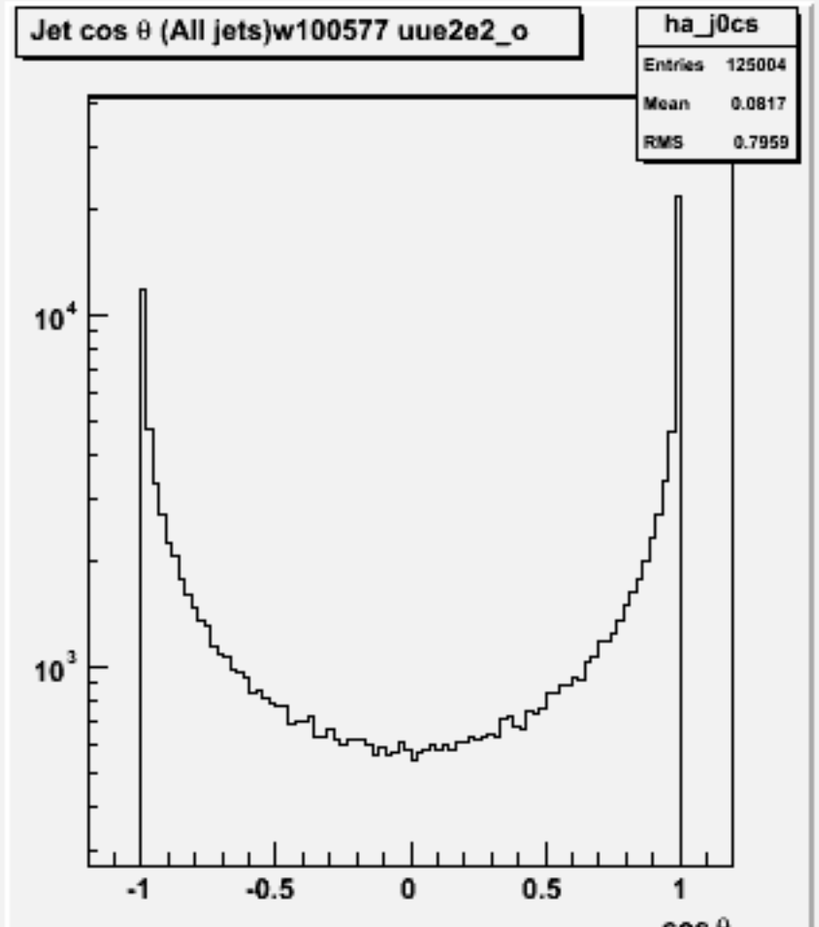

energy for 2-jets :w100577 uue2e2_o
h_j0e
Entries 72856
Mean 155.9
RMS 54.81
Jet energy (GeV)

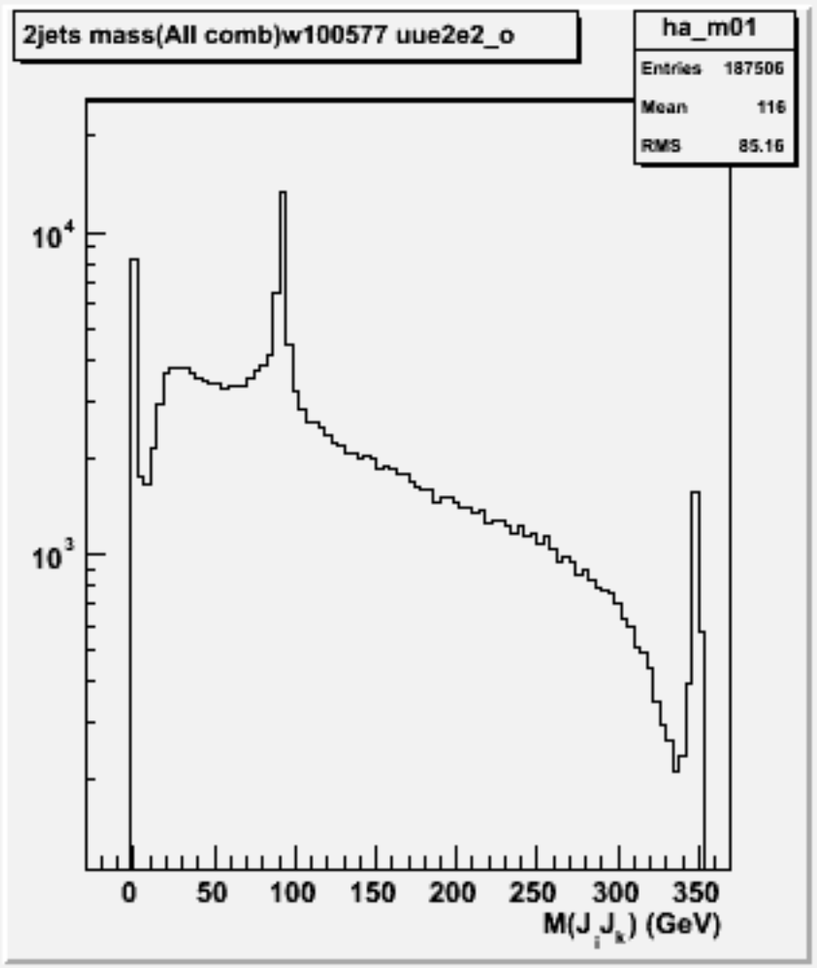

cosθ for 2-jets :w100577 uue2e2_o
h_j0cs
Entries 72856
Mean 0.08024
RMS 0.8976
cos θ(jet)

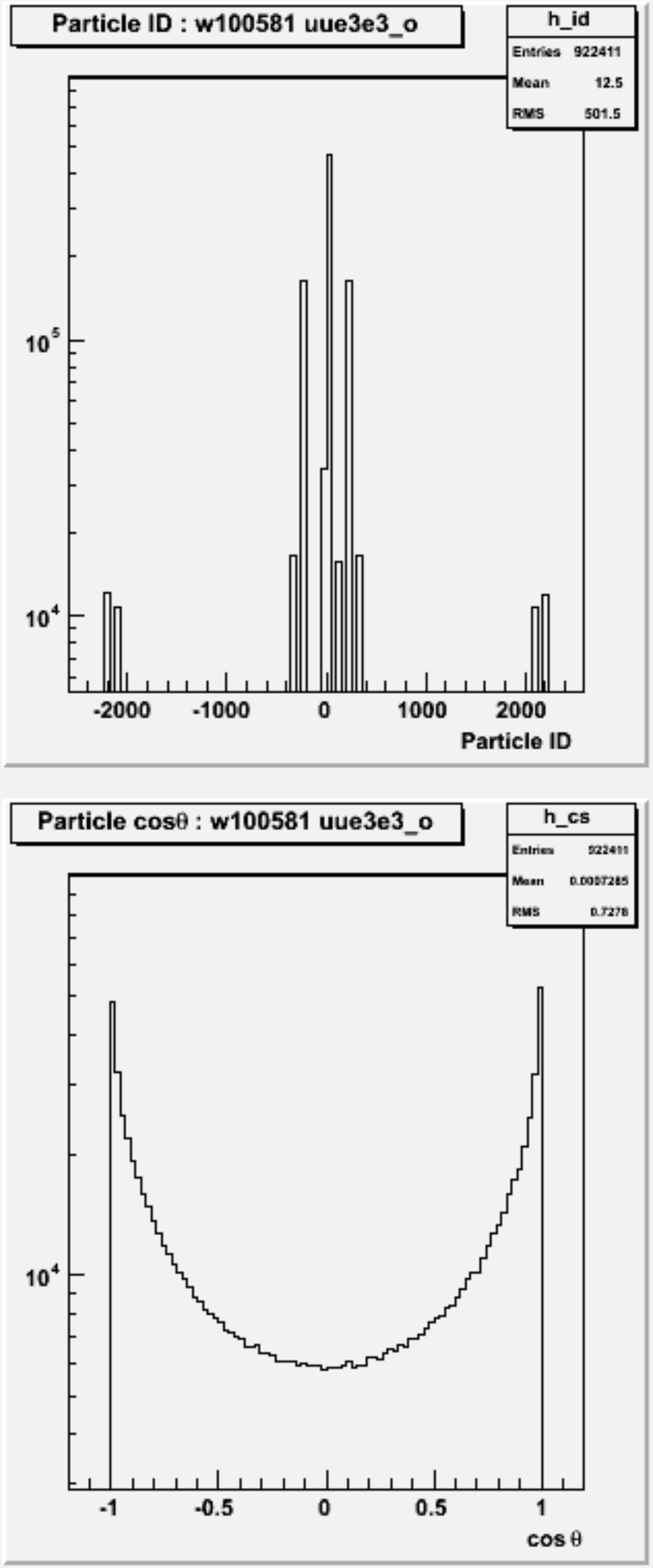

Jet mass for forced 2-jets : w100577 uue2e2_o
h_j0mj1m
Entries 36428
Mean x 102.9
Mean y 59.91
RMS x 123.2
RMS y 52.03
Mass(jet2)
Mass(jet1)

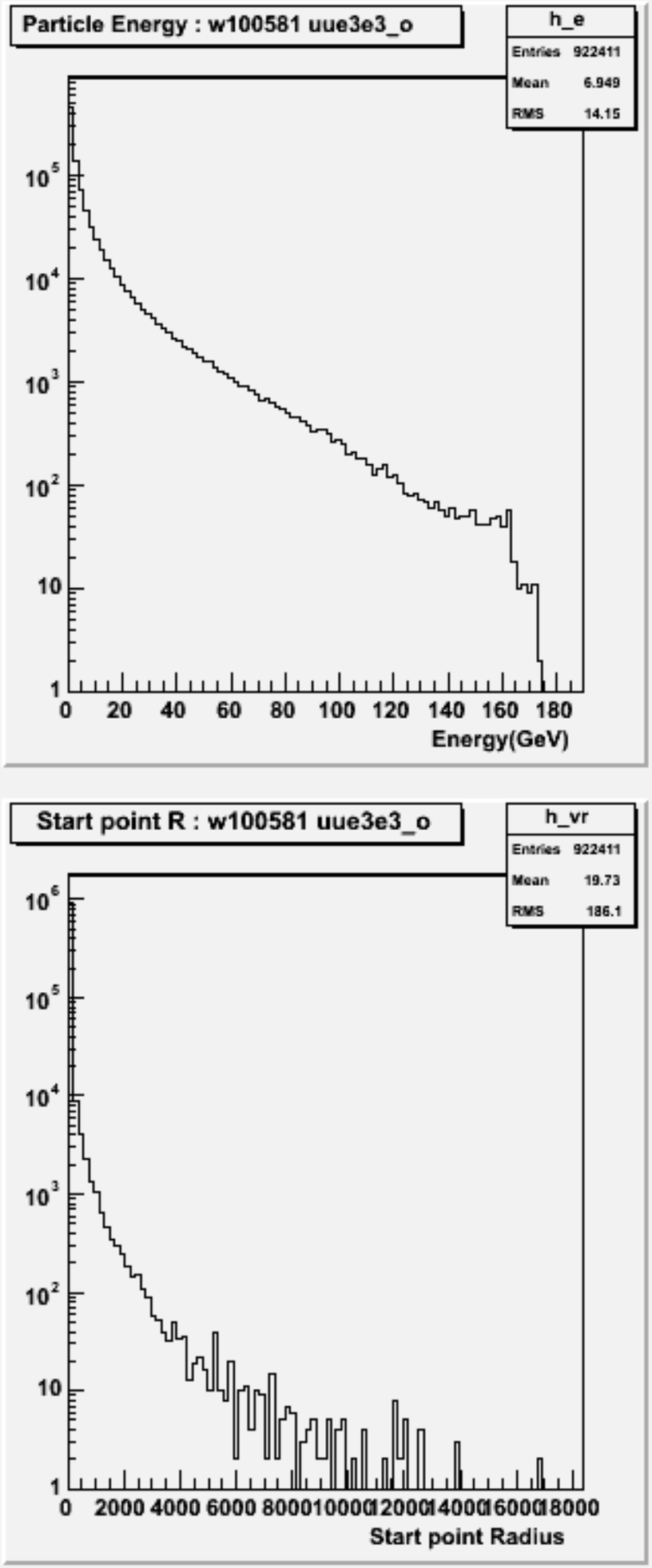

Ycut for 4-jets :w100577 uue2e2_o
h_yc4j
Entries 31251
Mean 0.01723
RMS 0.04397
ycut for forced 4-jets

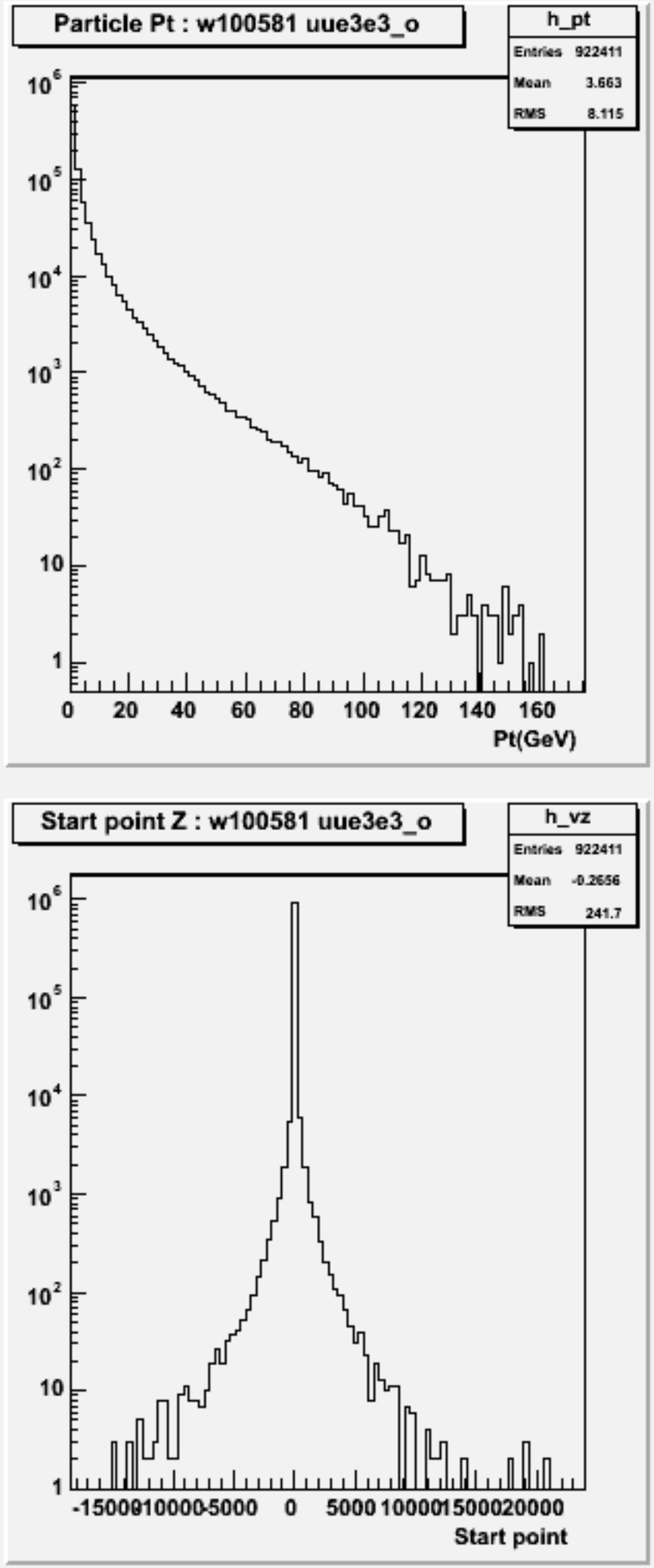

Jet energies(All jets)w100577 uue2e2_o
ha_j0e
Entries 125004
Mean 86.2
RMS 55.85
E(Jet)


Jet cos θ (All jets)w100577 uue2e2_o
ha_j0cs
Entries 125004
Mean 0.0817
RMS 0.7959
cos θ


2jets mass(All comb)w100577 uue2e2_o
ha_m01
Entries 187506
Mean 116
RMS 85.16
M(J_iJ_k) (GeV)


Particle ID : w100581 uue3e3_o
h_id
Entries 922411
Mean 12.5
RMS 501.5
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

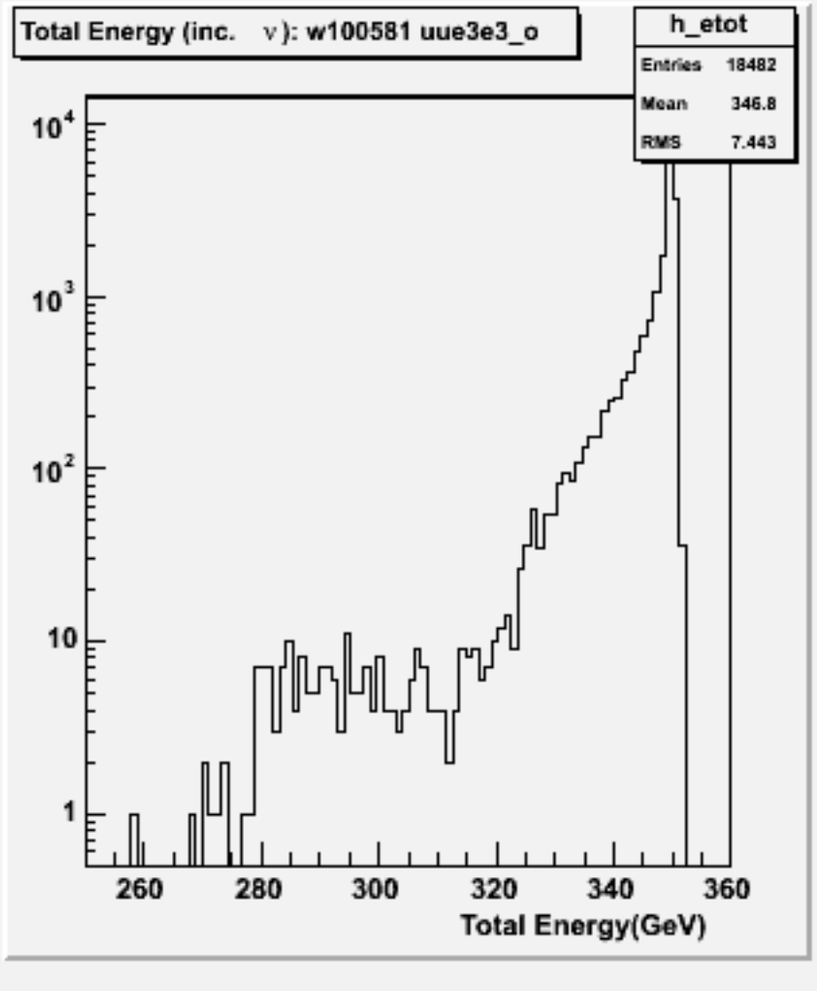

Particle Energy : w100581 uue3e3_o
h_e
Entries 922411
Mean 6.949
RMS 14.15
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

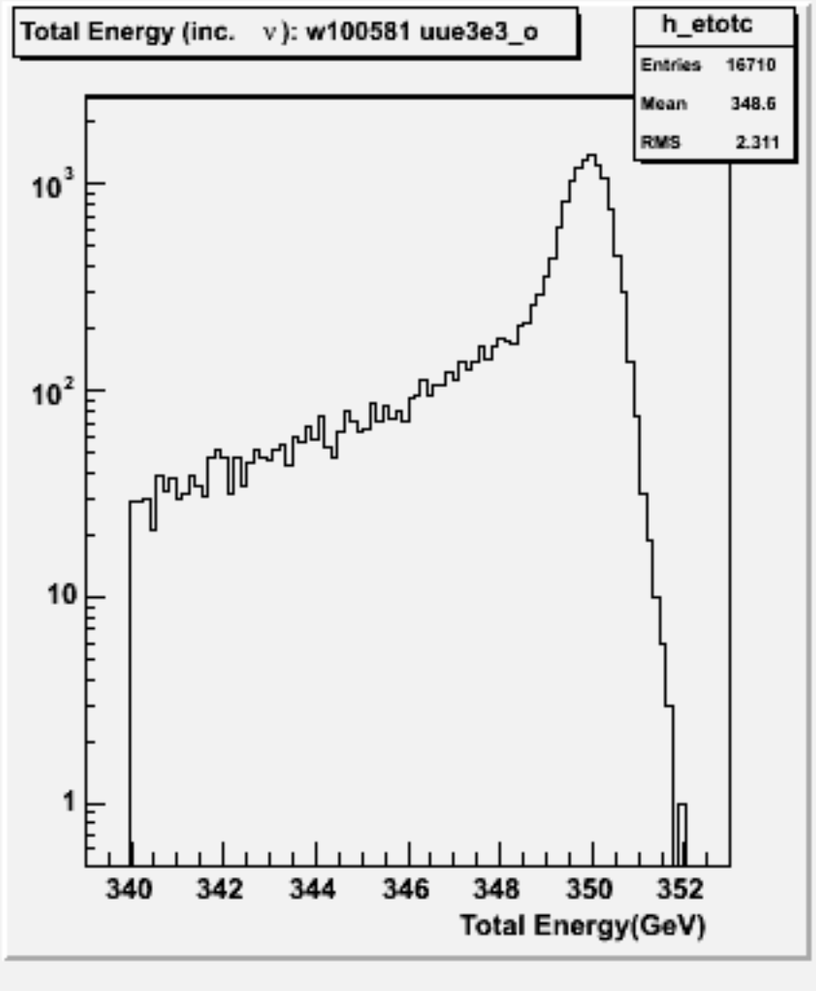

Particle Pt : w100581 uue3e3_o
h_pt
Entries 922411
Mean 3.663
RMS 8.115
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

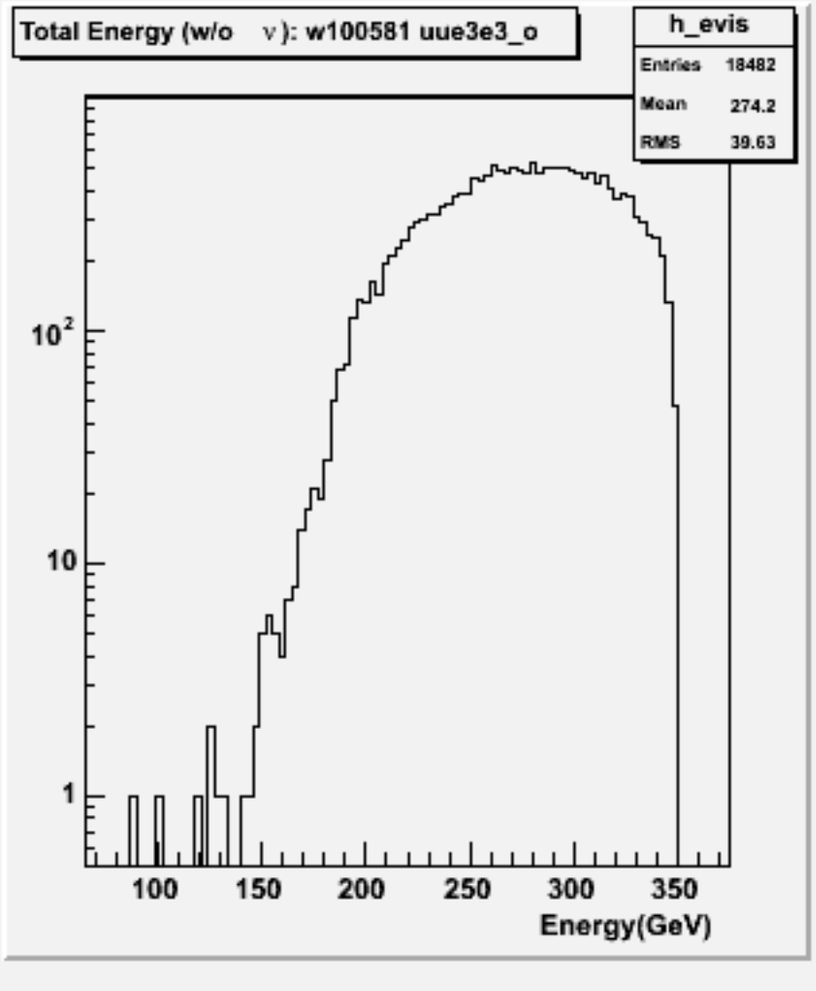
Particle cosθ : w100581 uue3e3_o
h_cs
Entries 922411
Mean 0.0037285
RMS 0.7278
10^4
-1
-0.5
0
0.5
1
cos θ

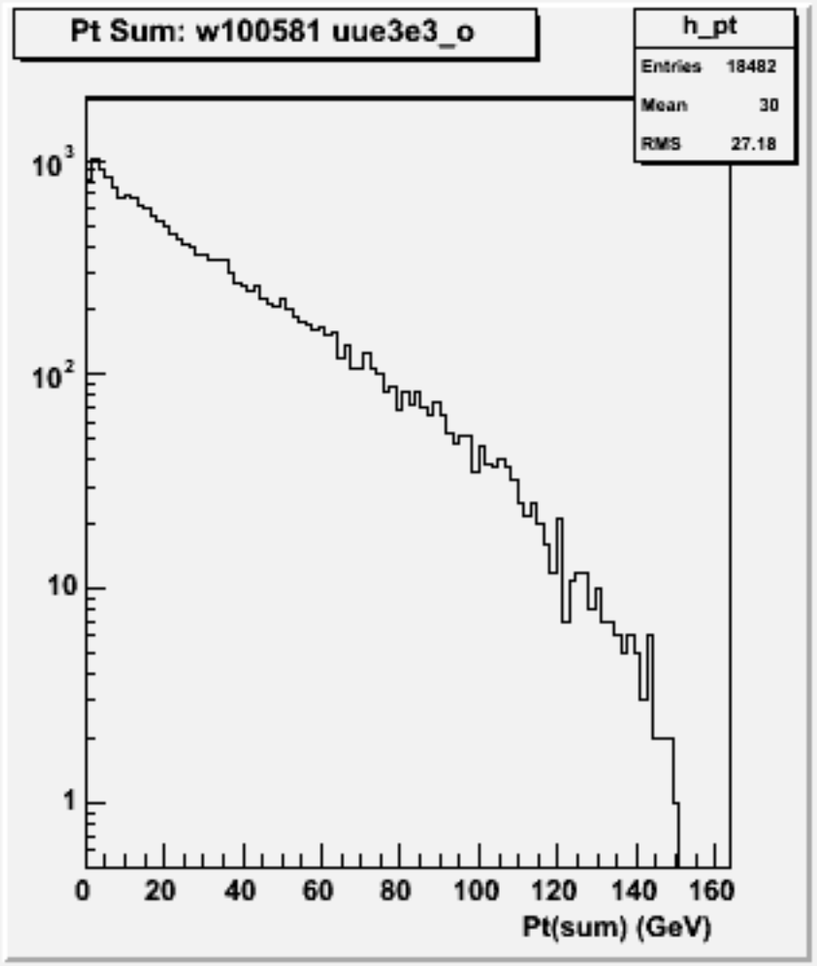
Start point R : w100581 uue3e3_o
h_vr
Entries 922411
Mean 19.73
RMS 186.1
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
Start point Radius

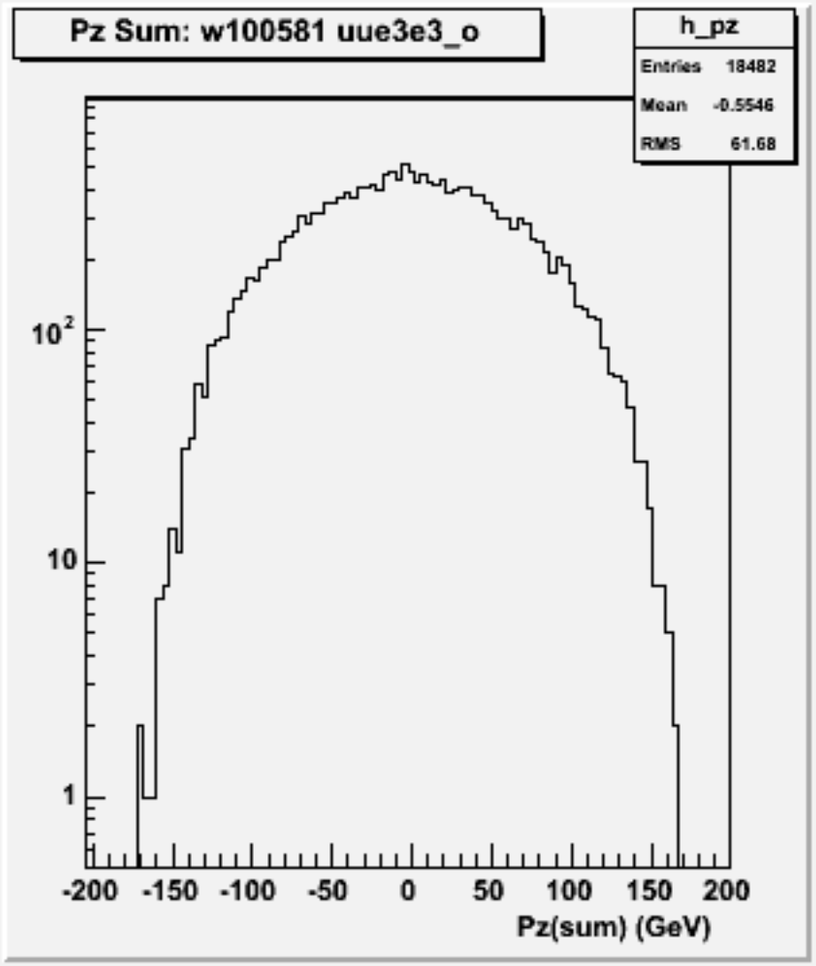
Start point Z : w100581 uue3e3_o
h_vz
Entries 922411
Mean -0.2656
RMS 241.7
10^6
10^5
10^4
10^3
10^2
10
1
-15000
-10000
-5000
0
5000
10000
15000
20000
Start point

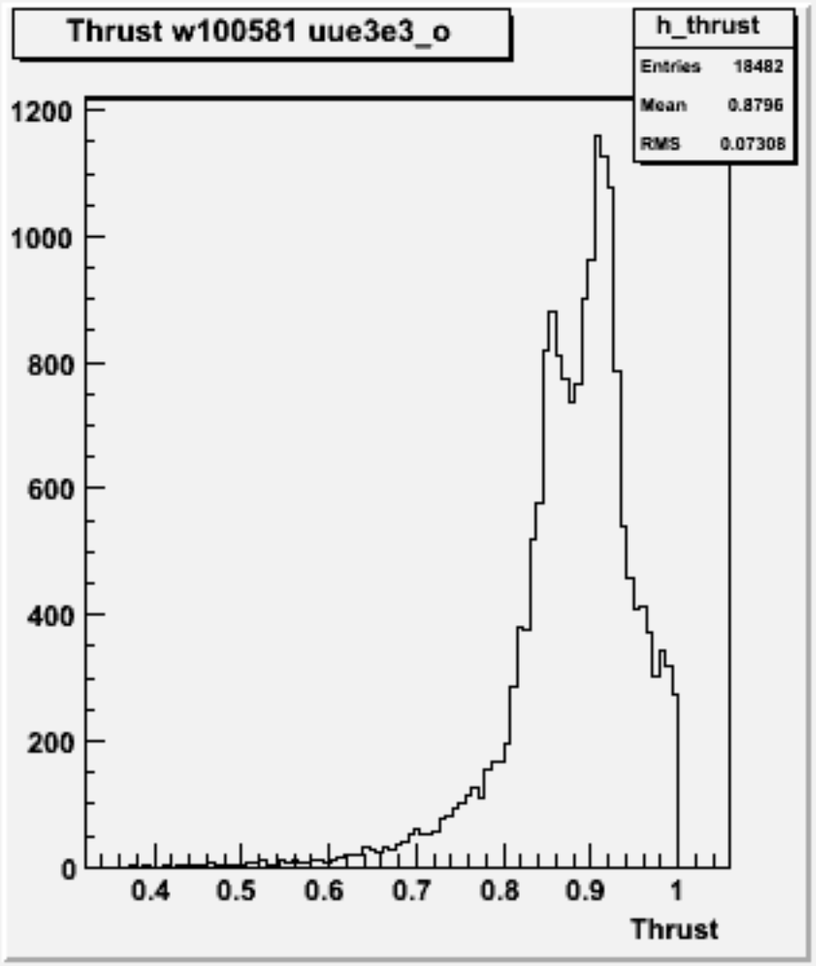

Total Energy (inc. ν): w100581 uue3e3_o
h_etot
Entries 18482
Mean 346.8
RMS 7.443
Total Energy(GeV)

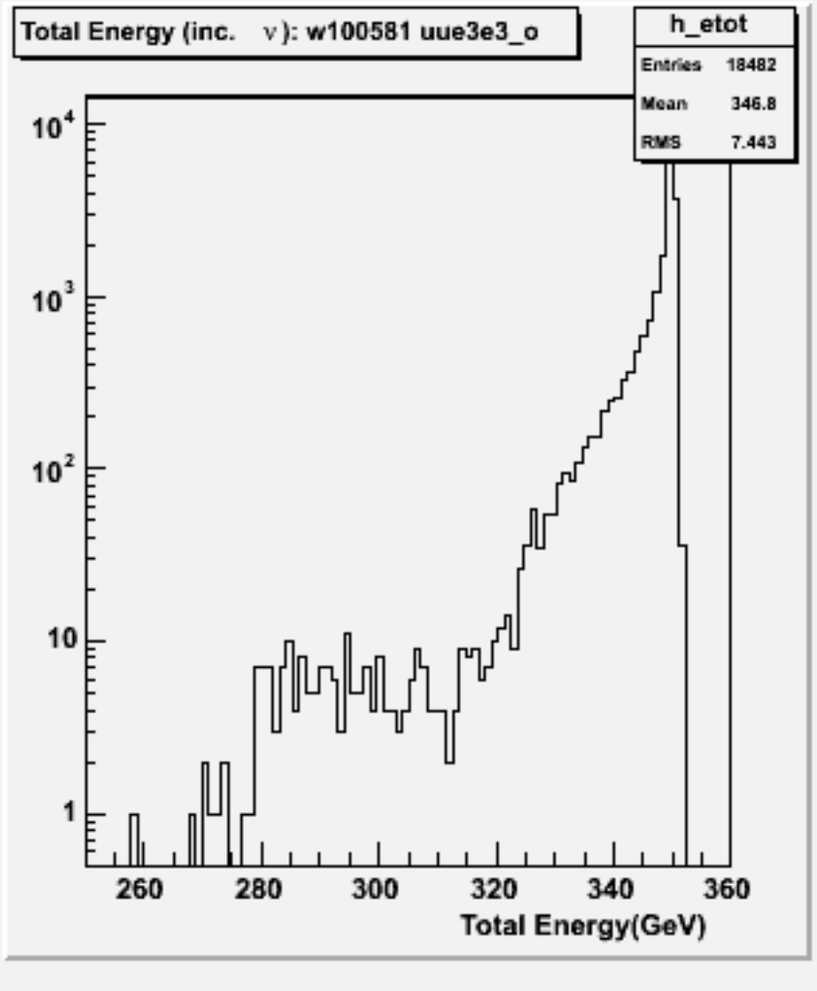

Total Energy (inc. ν): w100581 uue3e3_o
h_etotc
Entries 16710
Mean 348.6
RMS 2.311
Total Energy(GeV)

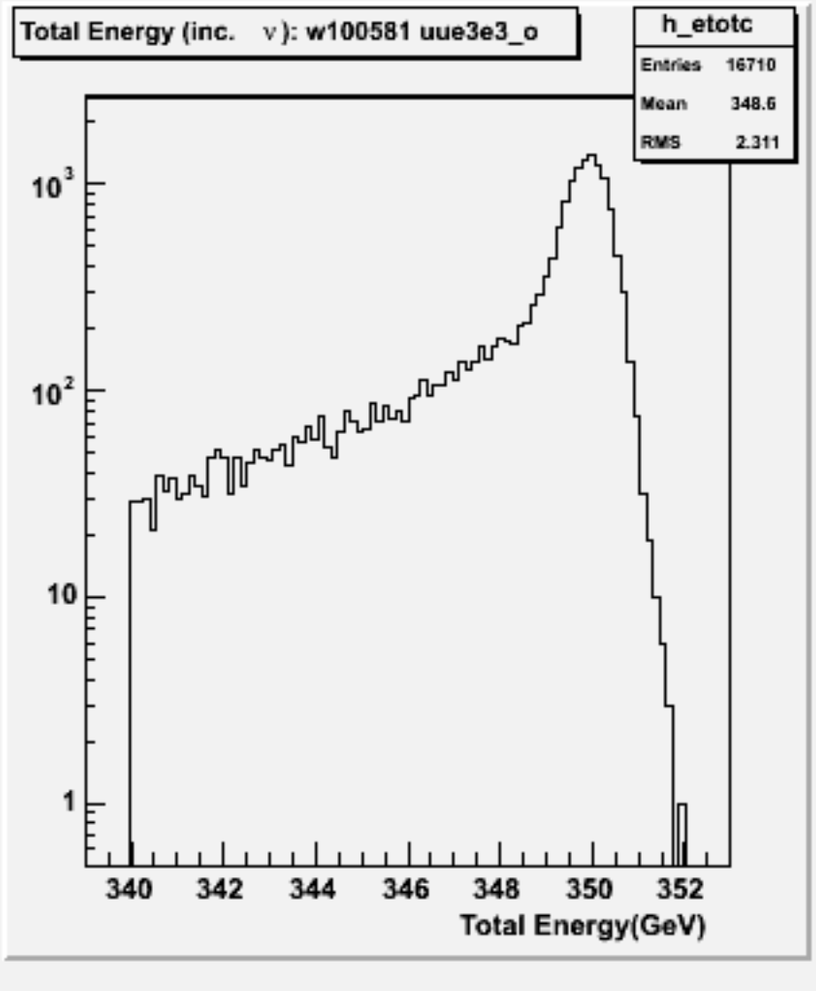

Total Energy (w/o ν): w100581 uue3e3_o
h_evis
Entries 18482
Mean 274.2
RMS 39.63
Energy(GeV)

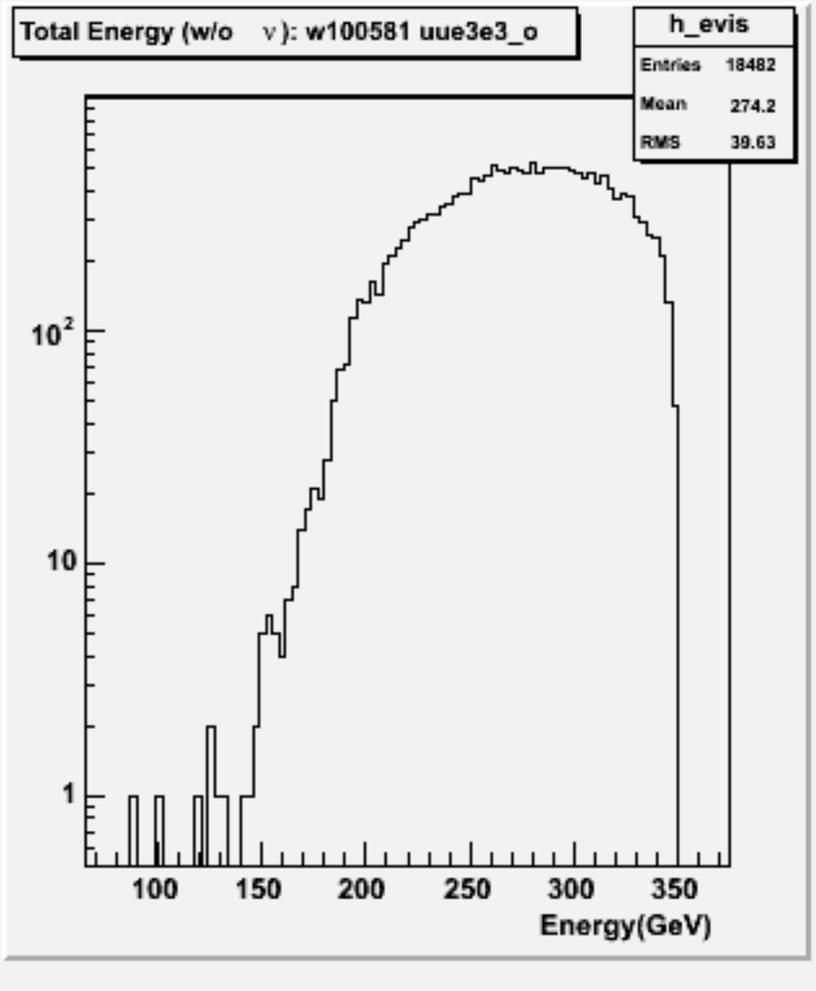

Pt Sum: w100581 uue3e3_o
h_pt
Entries 18482
Mean 30
RMS 27.18
Pt(sum) (GeV)

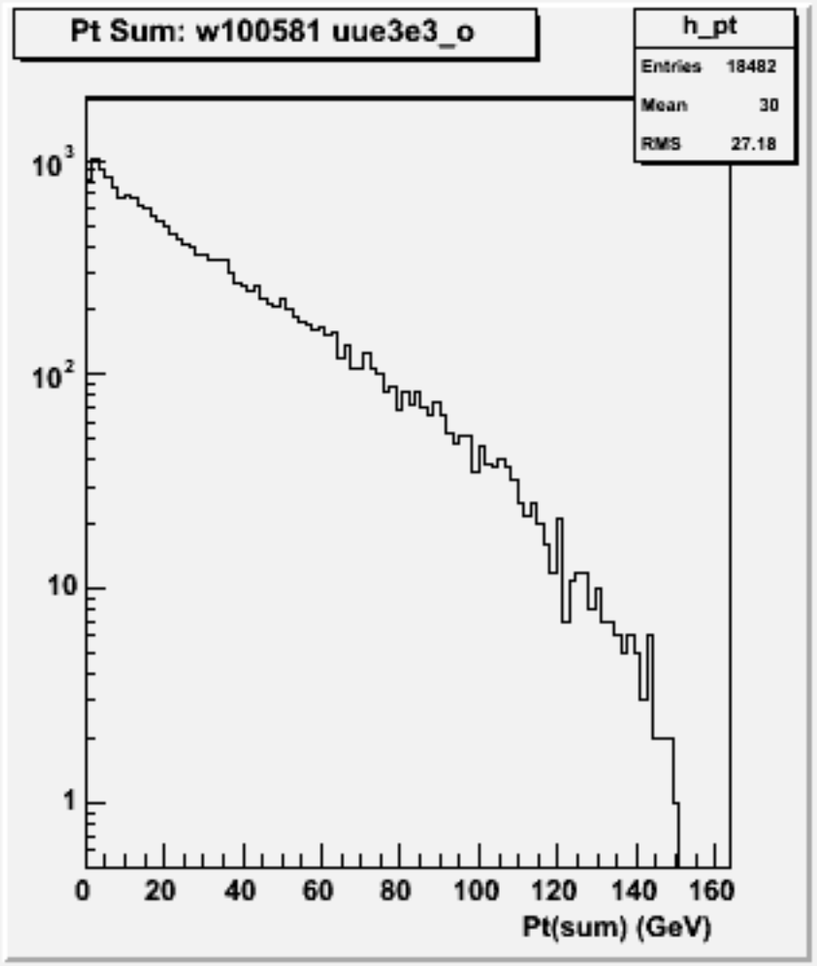

Pz Sum: w100581 uue3e3_o
h_pz
Entries 18482
Mean -0.5546
RMS 61.68
Pz(sum) (GeV)

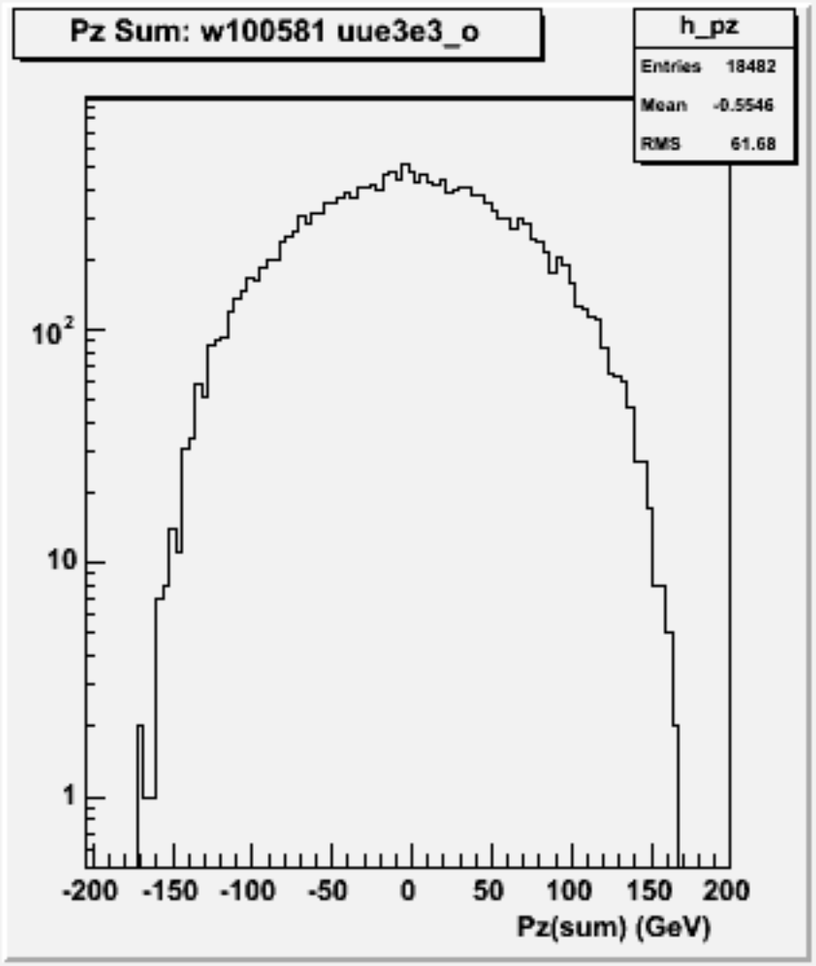

Thrust w100581 uue3e3_o
h_thrust
Entries 18482
Mean 0.8796
RMS 0.07308
Thrust

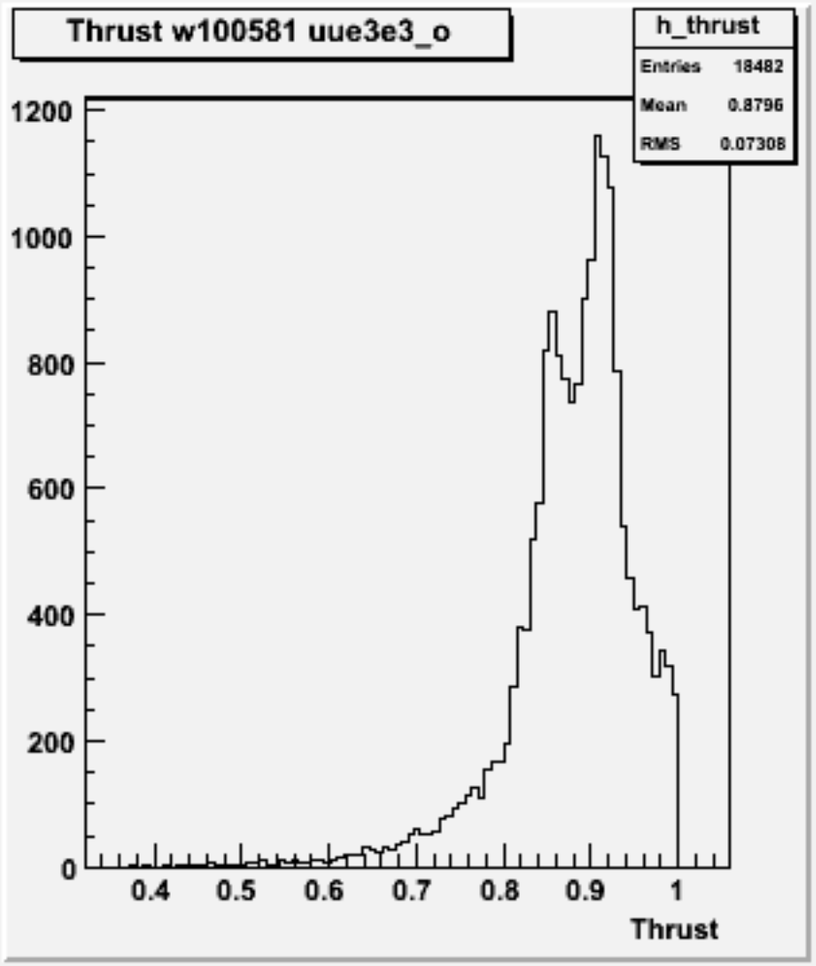

Total Energy (inc. ν): w100581 uue3e3_o
h_etot
Entries 18482
Mean 346.8
RMS 7.443
Total Energy(GeV)

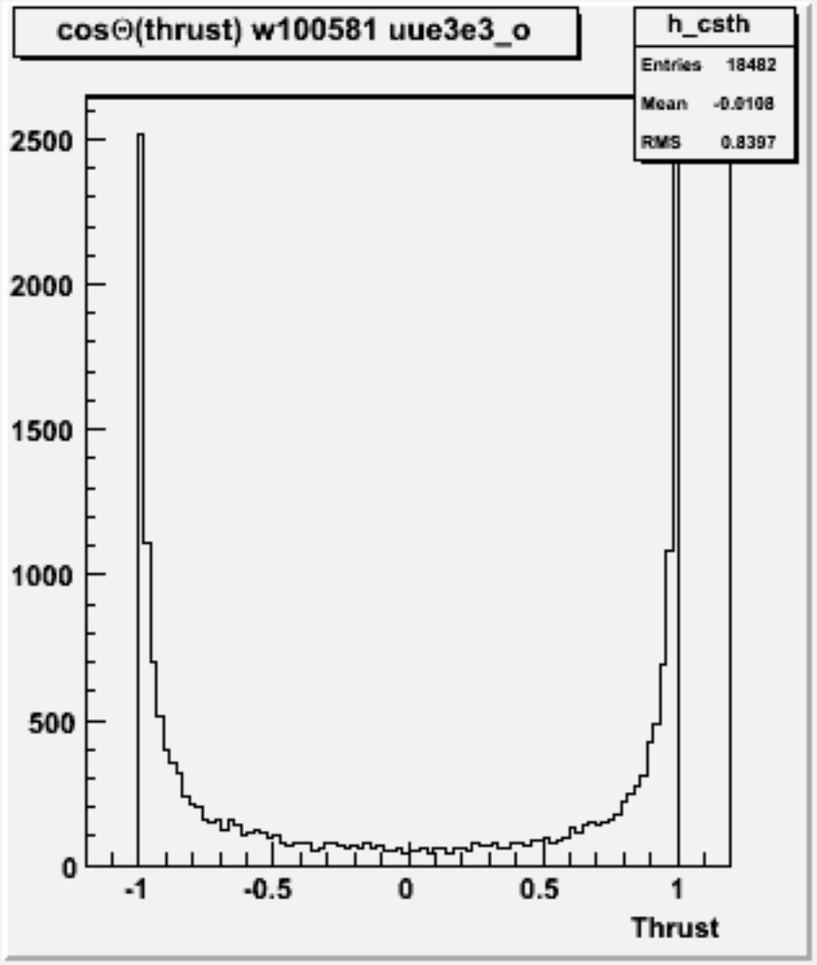

Total Energy (inc. ν): w100581 uue3e3_o
h_etotc
Entries 16710
Mean 348.6
RMS 2.311
Total Energy(GeV)

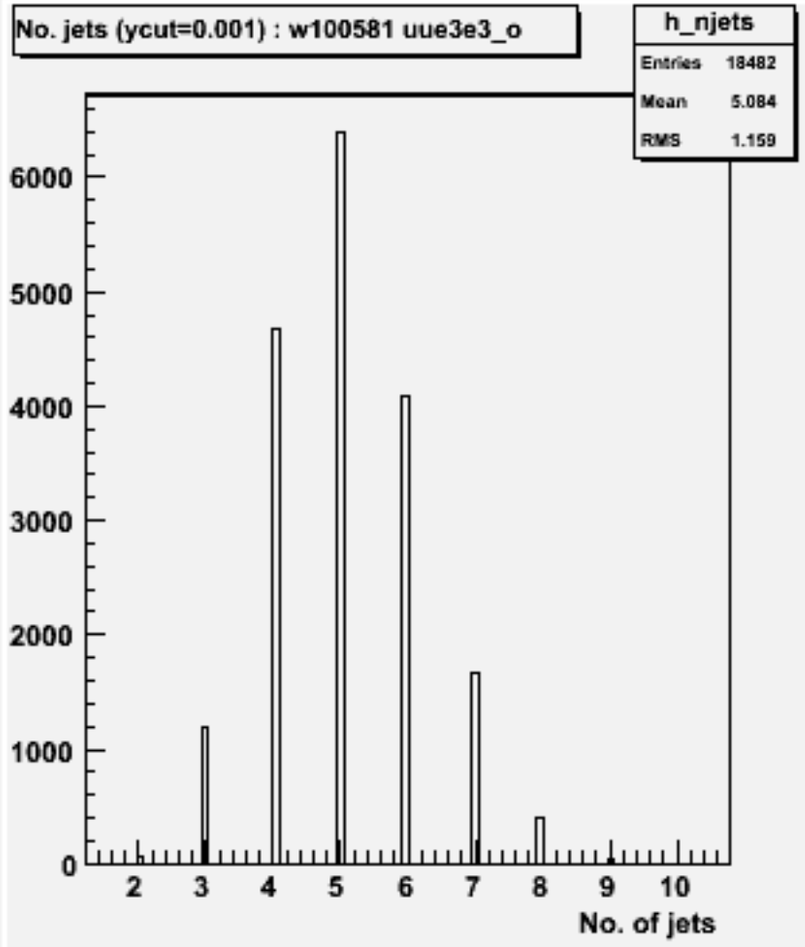

Total Energy (w/o ν): w100581 uue3e3_o
h_evis
Entries 18482
Mean 274.2
RMS 39.63
Energy(GeV)

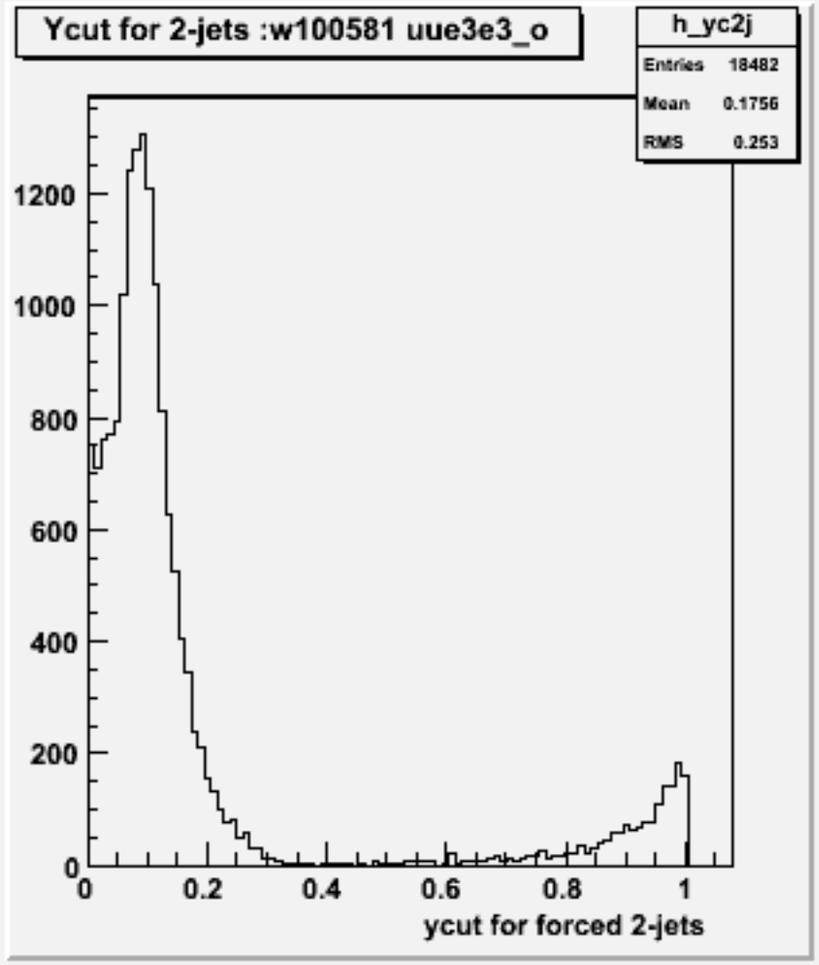

Pt Sum: w100581 uue3e3_o
h_pt
Entries 18482
Mean 30
RMS 27.18
Pt(sum) (GeV)

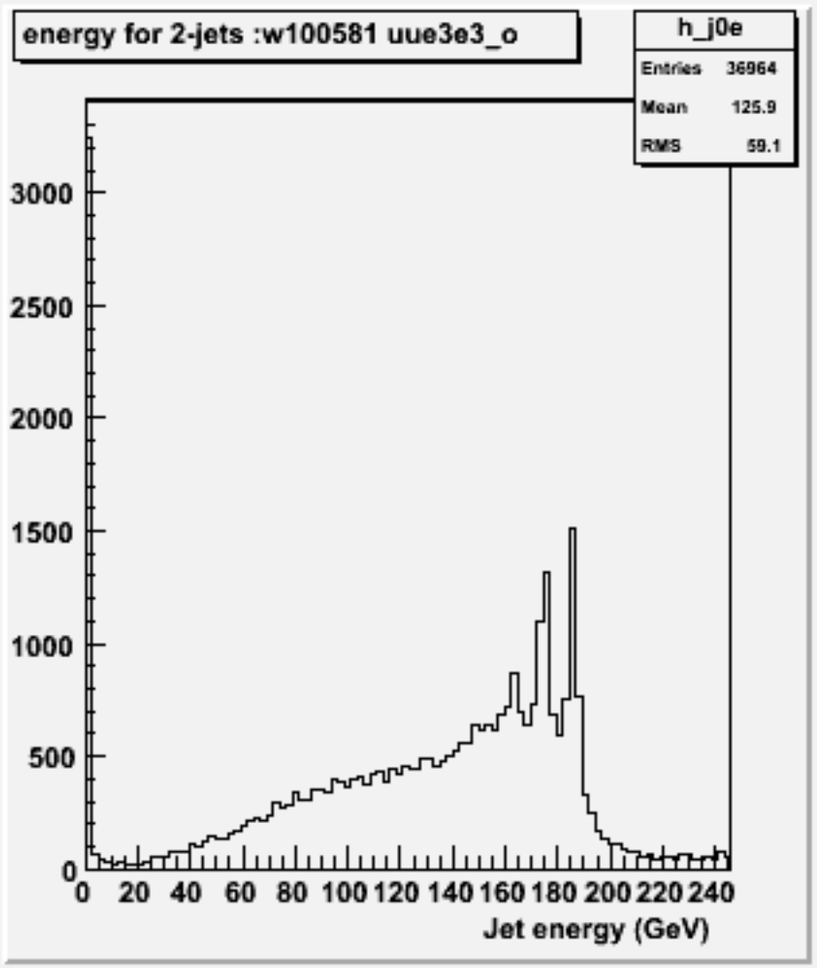

Pz Sum: w100581 uue3e3_o
h_pz
Entries 18482
Mean -0.5546
RMS 61.68
Pz(sum) (GeV)

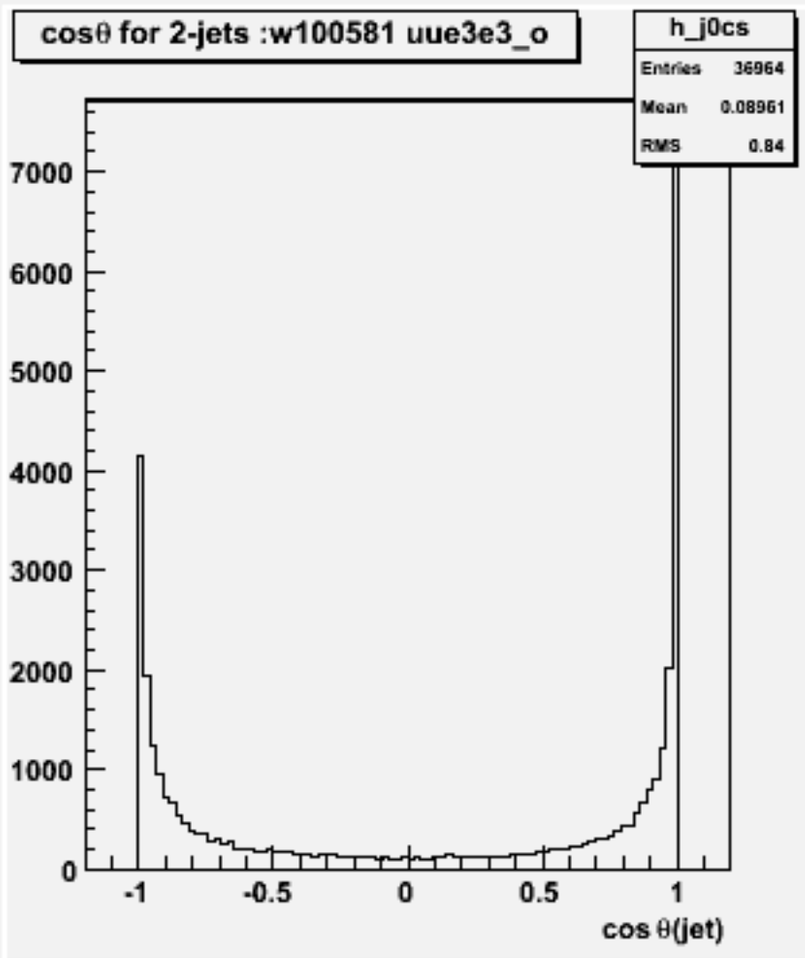

Thrust w100581 uue3e3_o
h_thrust
Entries 18482
Mean 0.8796
RMS 0.07308
Thrust

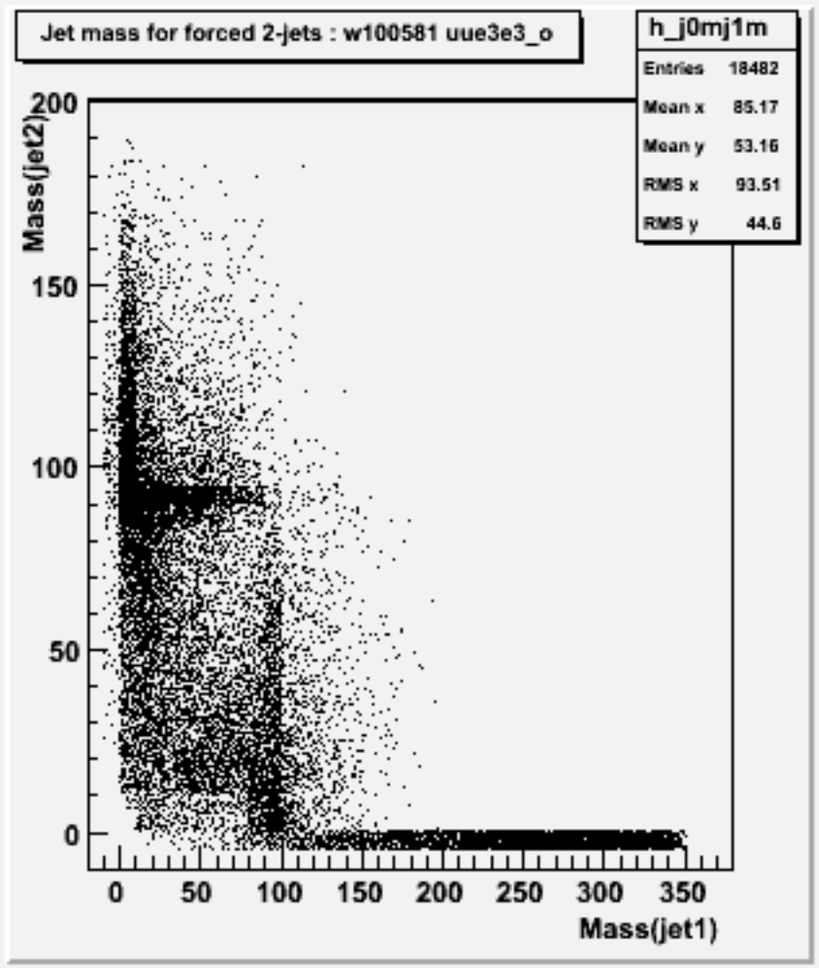

cosΘ(thrust) w100581 uue3e3_o
h_csth
Entries 18482
Mean -0.0108
RMS 0.8397
Thrust

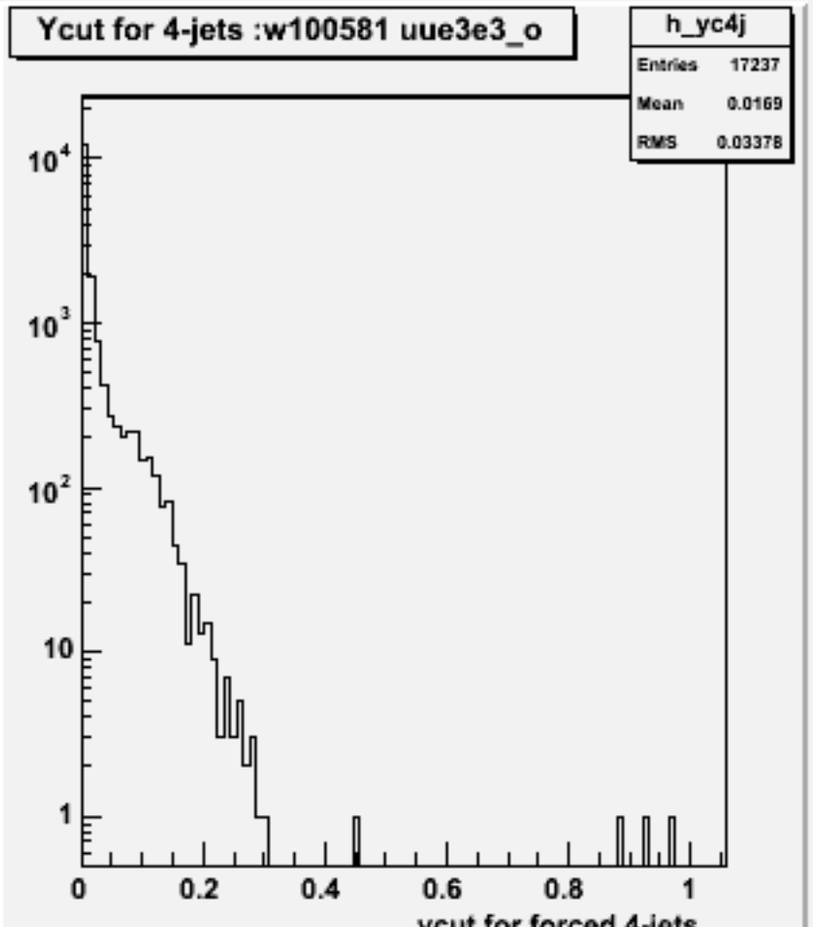

No. jets (ycut=0.001) : w100581 uue3e3_o
h_njets
Entries 18482
Mean 5.084
RMS 1.159
No. of jets

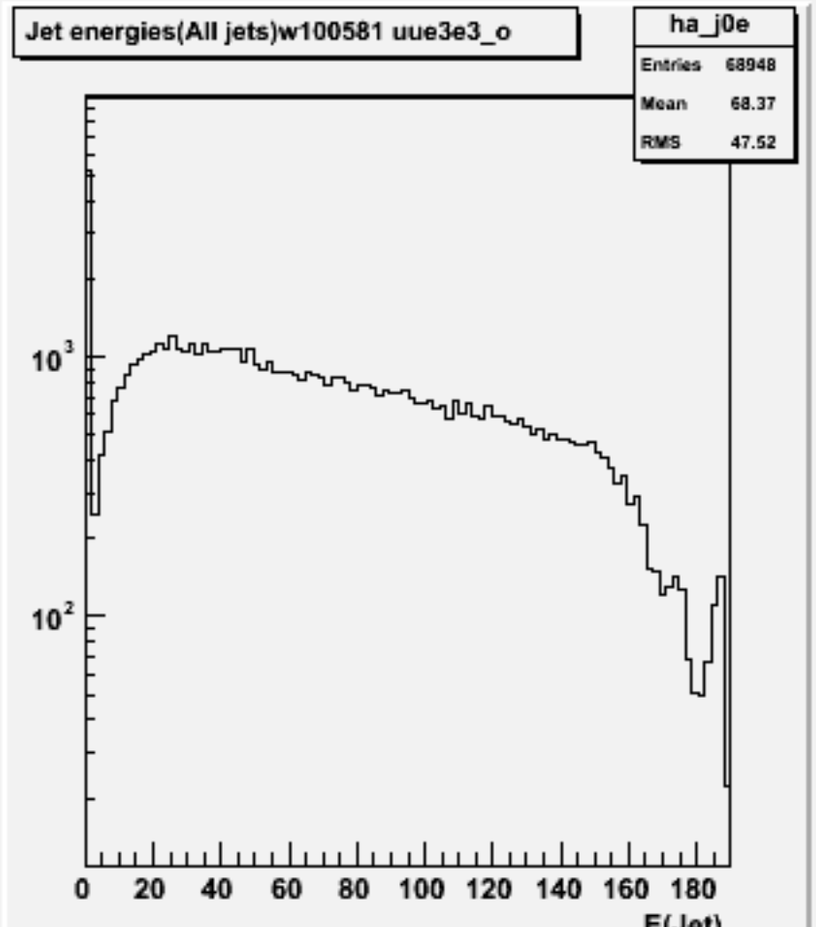

Ycut for 2-jets :w100581 uue3e3_o
h_yc2j
Entries 18482
Mean 0.1756
RMS 0.253
ycut for forced 2-jets

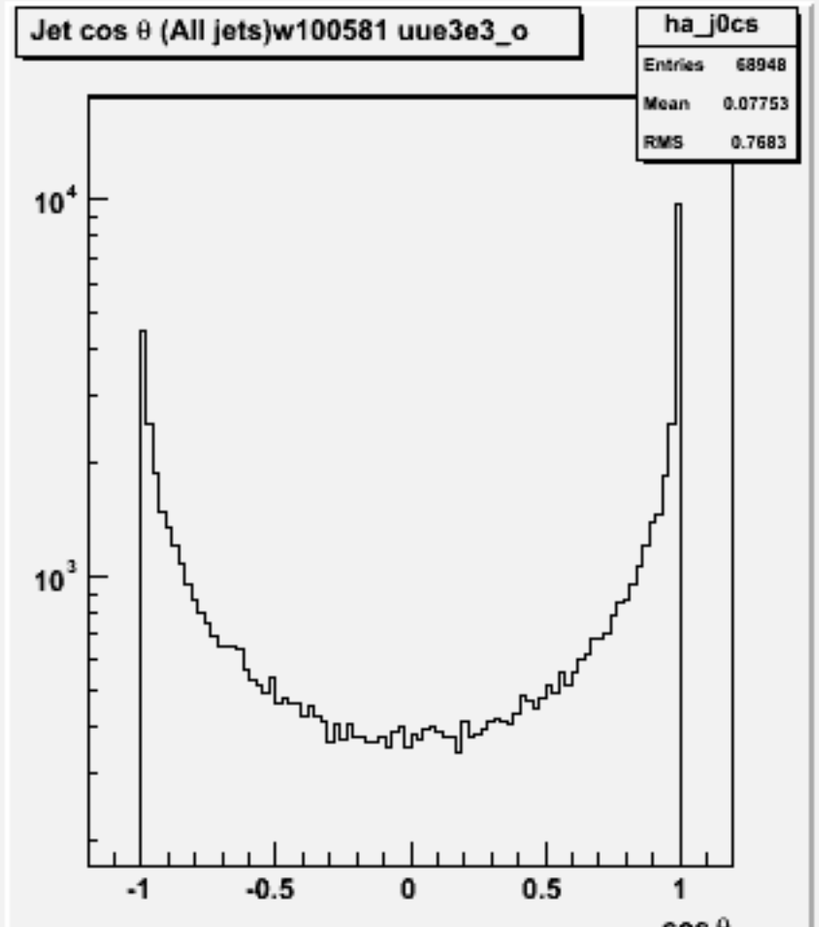

energy for 2-jets :w100581 uue3e3_o
h_j0e
Entries 36964
Mean 125.9
RMS 59.1
Jet energy (GeV)

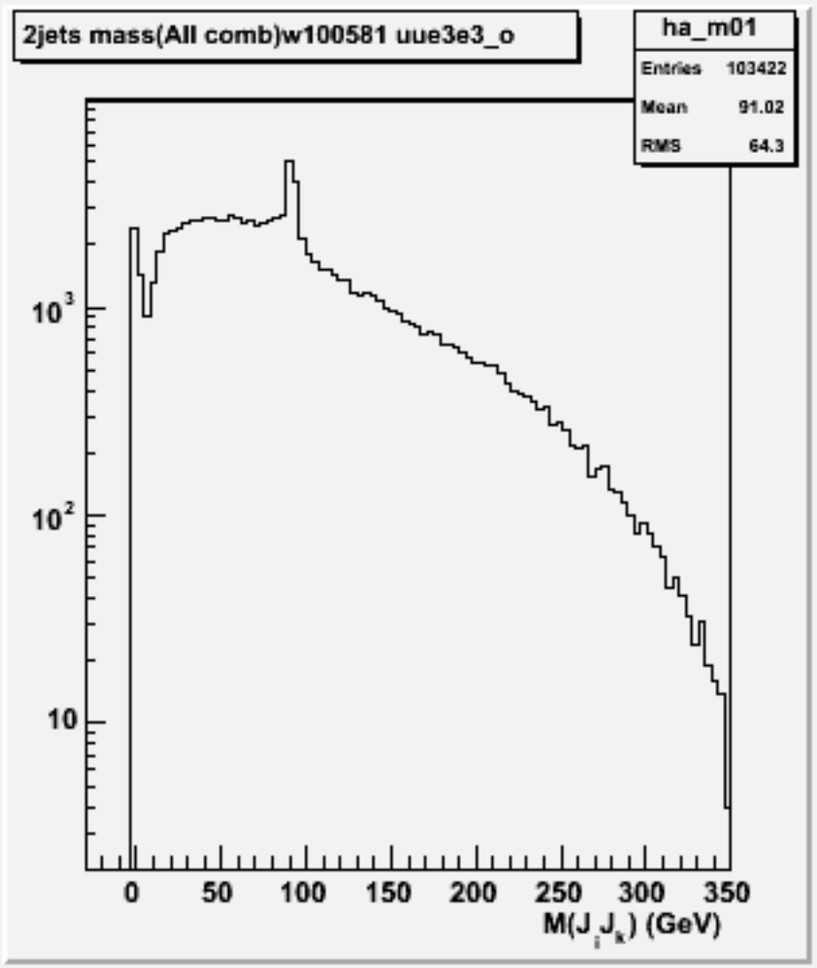

cosθ for 2-jets :w100581 uue3e3_o
h_j0cs
Entries 36964
Mean 0.08961
RMS 0.84
cos θ(jet)

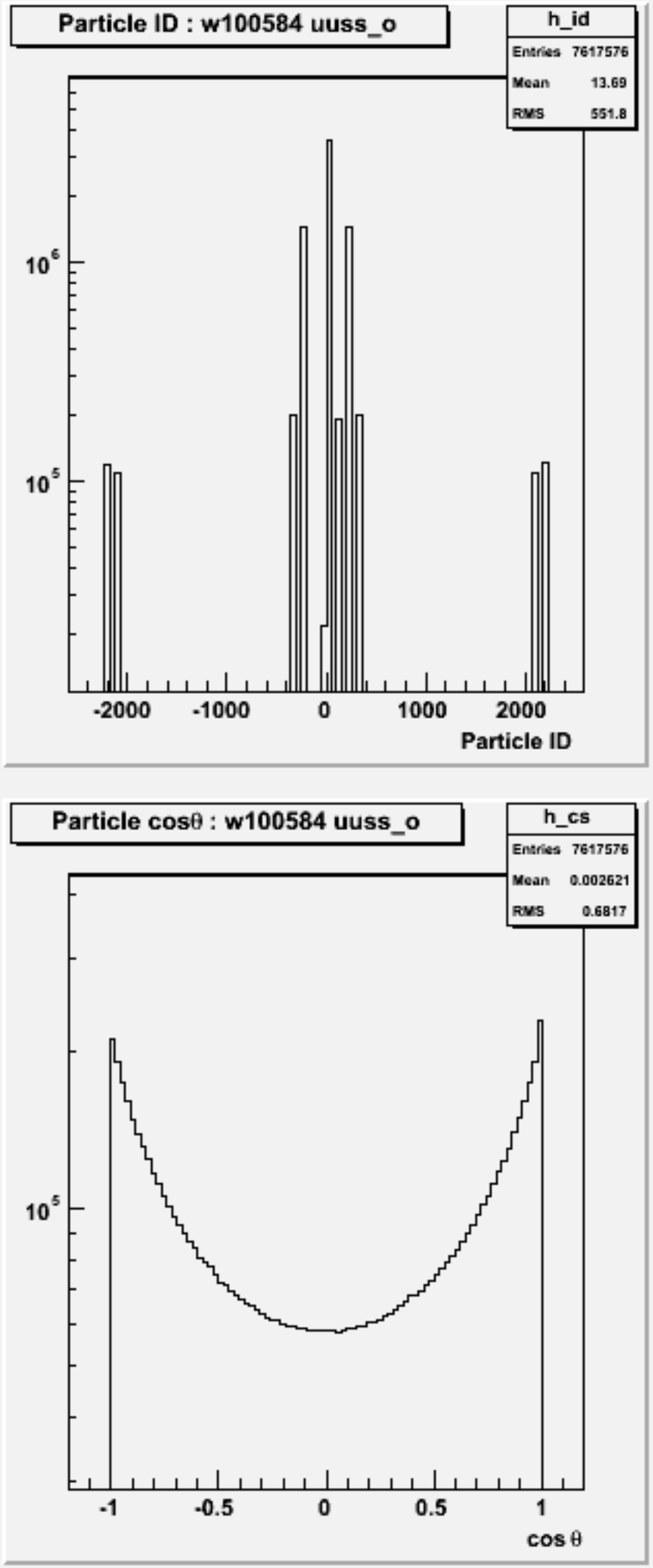

Jet mass for forced 2-jets : w100581 uue3e3_o
h_j0mj1m
Entries 18482
Mean x 85.17
Mean y 53.16
RMS x 93.51
RMS y 44.6
Mass(jet2)
Mass(jet1)

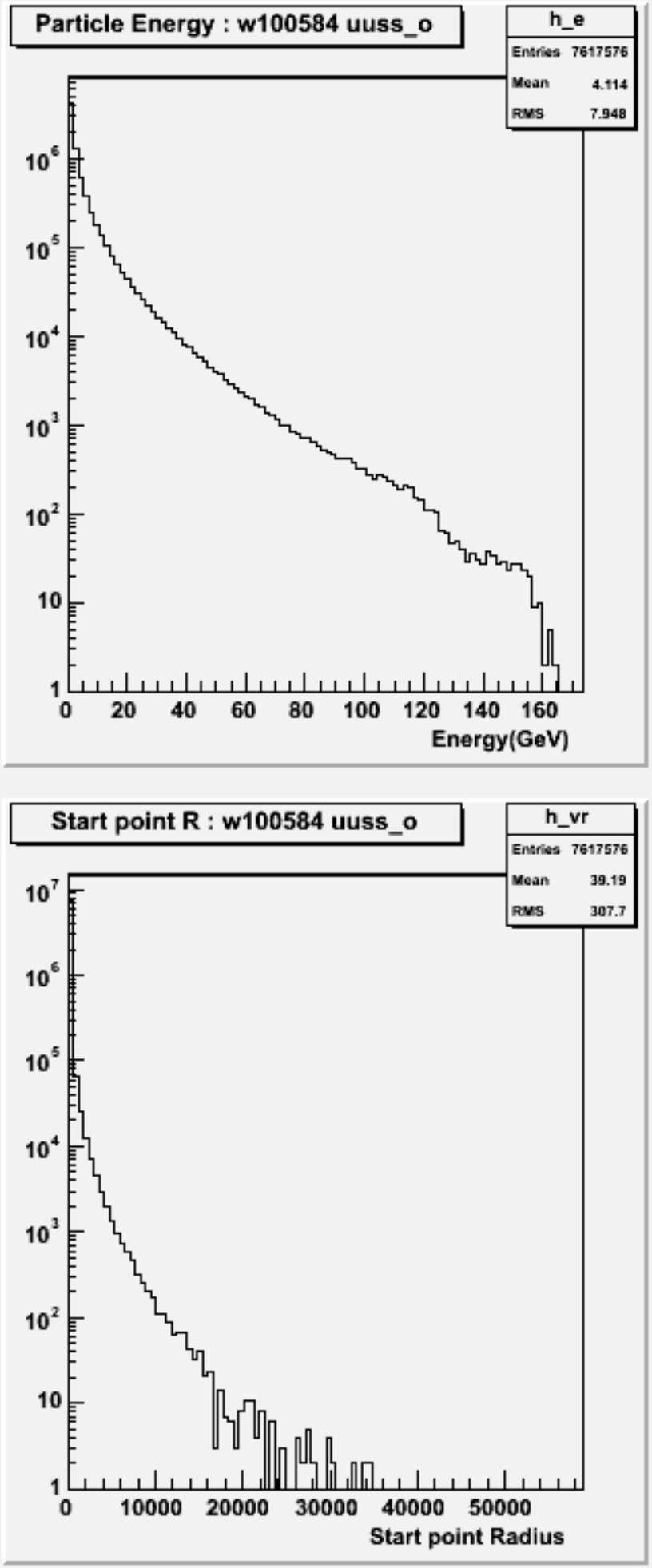

Ycut for 4-jets :w100581 uue3e3_o
h_yc4j
Entries 17237
Mean 0.0169
RMS 0.03378
ycut for forced 4-jets

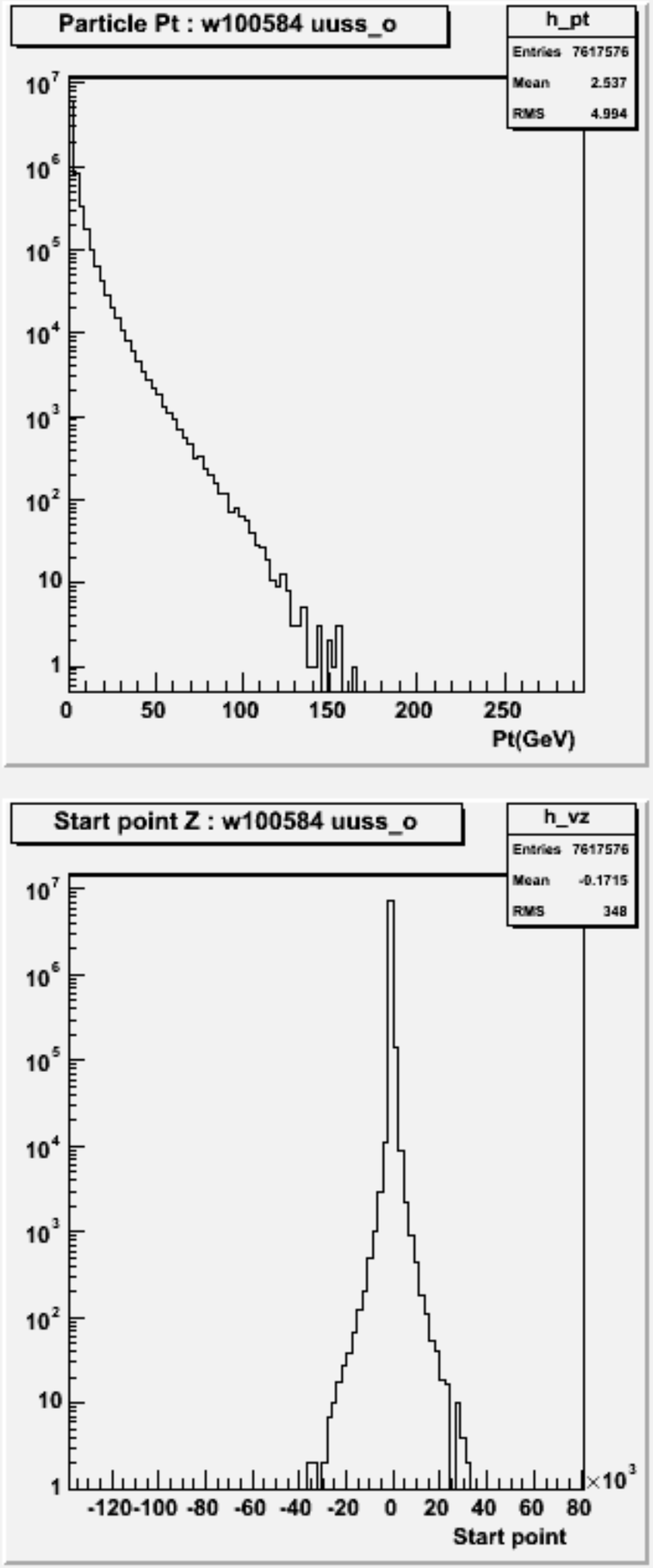

Jet energies(All jets)w100581 uue3e3_o
ha_j0e
Entries 68948
Mean 68.37
RMS 47.52
E(Jet)


Jet cos θ (All jets)w100581 uue3e3_o
ha_j0cs
Entries 68948
Mean 0.07753
RMS 0.7683
cos θ


2jets mass(All comb)w100581 uue3e3_o
ha_m01
Entries 103422
Mean 91.02
RMS 64.3
M(J_iJ_k) (GeV)


Particle ID : w100584 uuss_o
h_id
Entries 7617576
Mean 13.69
RMS 551.8
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

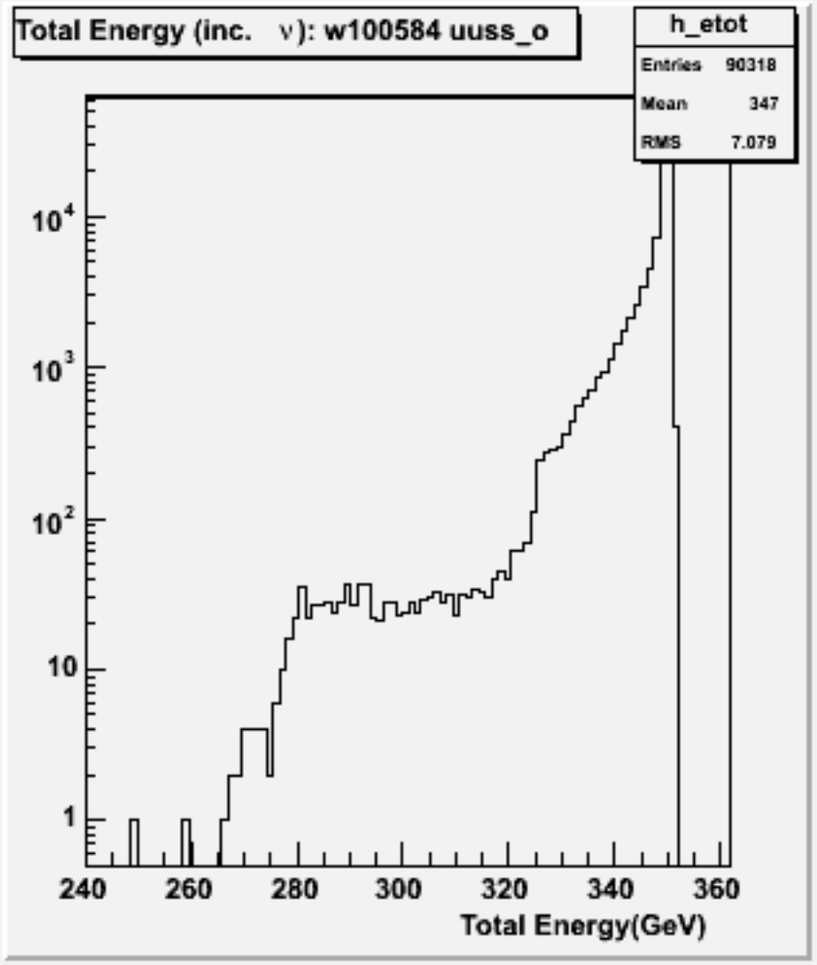

Particle Energy : w100584 uuss_o
h_e
Entries 7617576
Mean 4.114
RMS 7.948
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

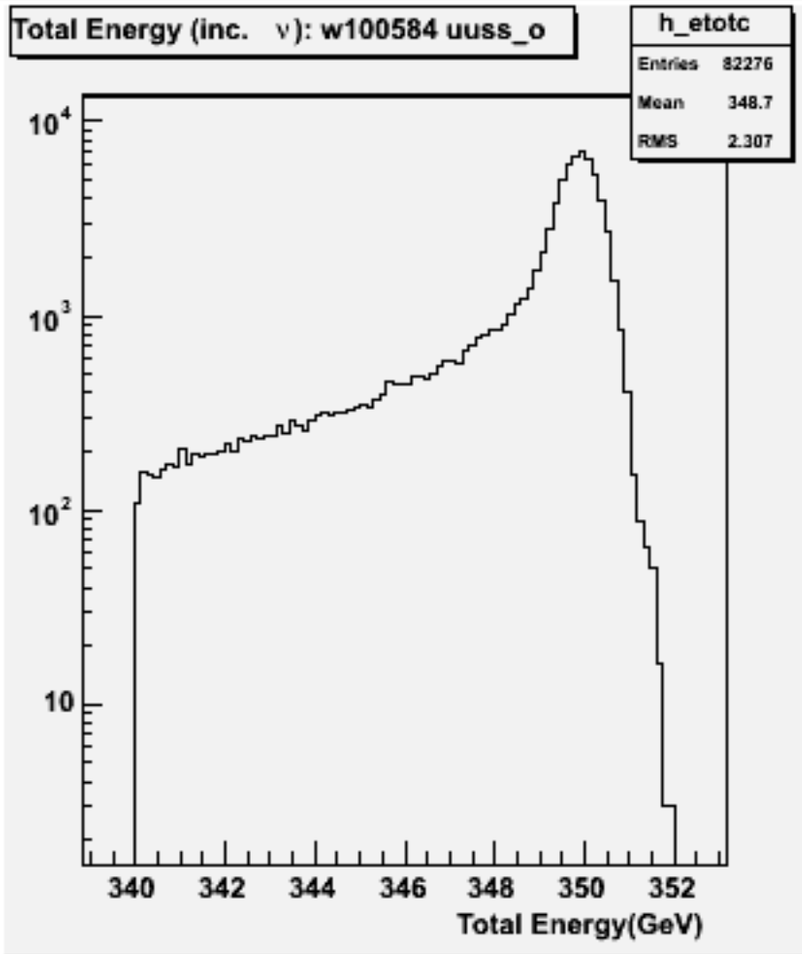

Particle Pt : w100584 uuss_o
h_pt
Entries 7617576
Mean 2.537
RMS 4.994
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Pt(GeV)

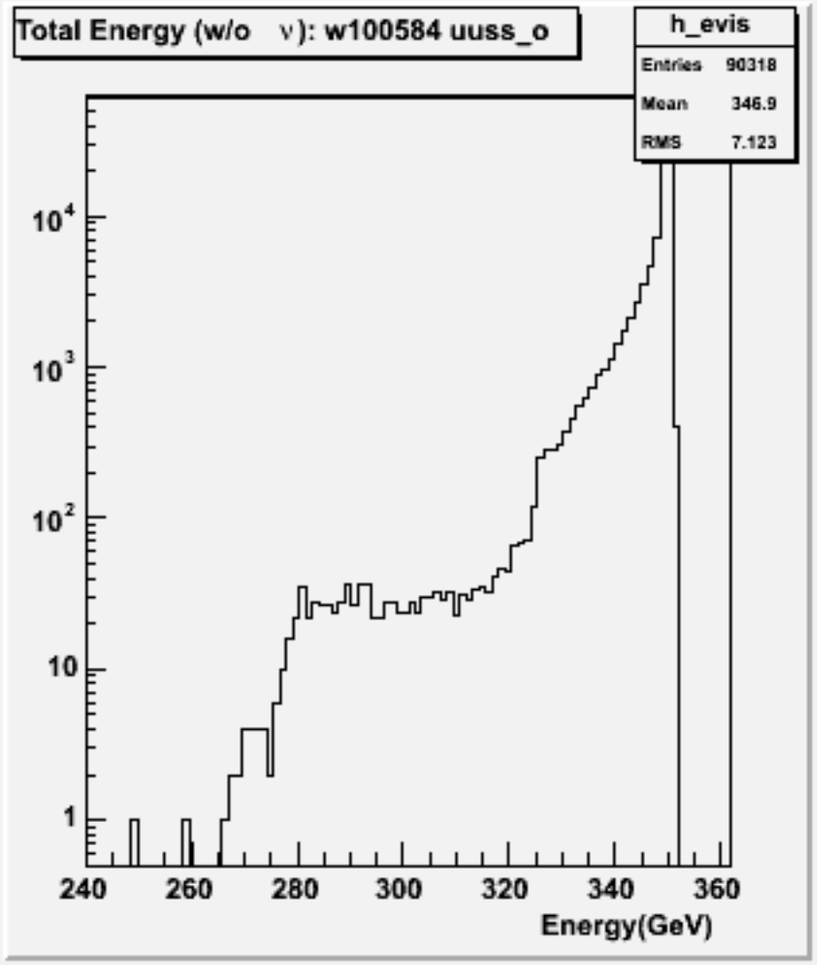
Particle cosθ : w100584 uuss_o
h_cs
Entries 7617576
Mean 0.002621
RMS 0.6817
10^5
-1
-0.5
0
0.5
1
cos θ

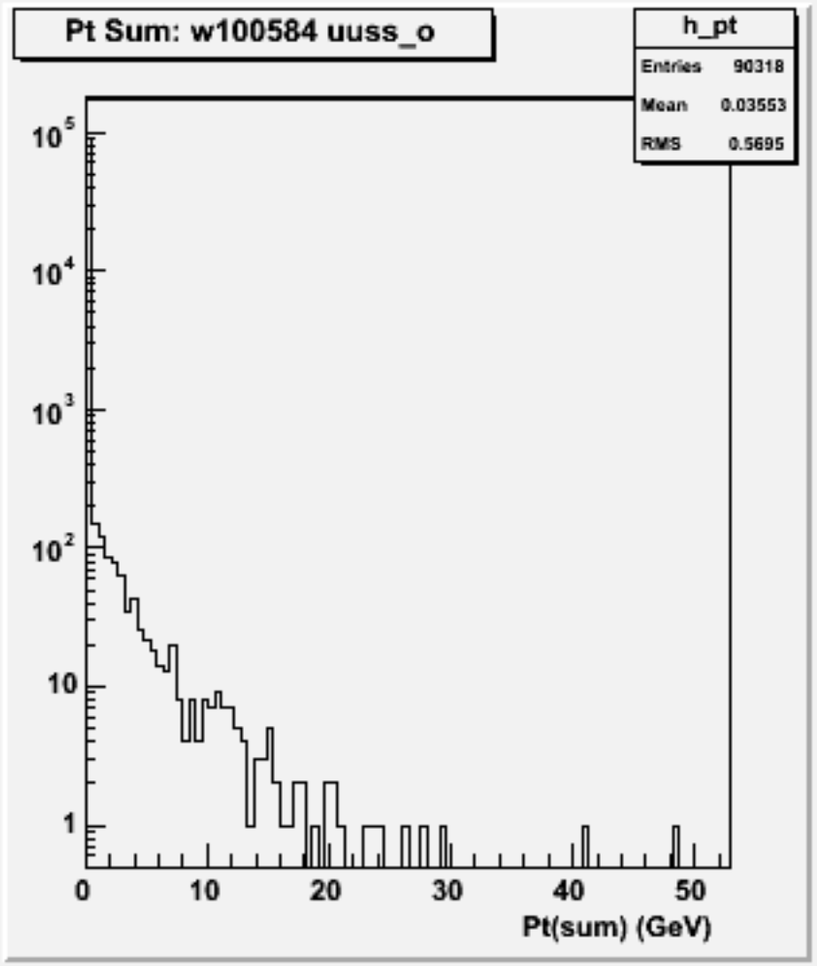
Start point R : w100584 uuss_o
h_vr
Entries 7617576
Mean 39.19
RMS 307.7
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
Start point Radius

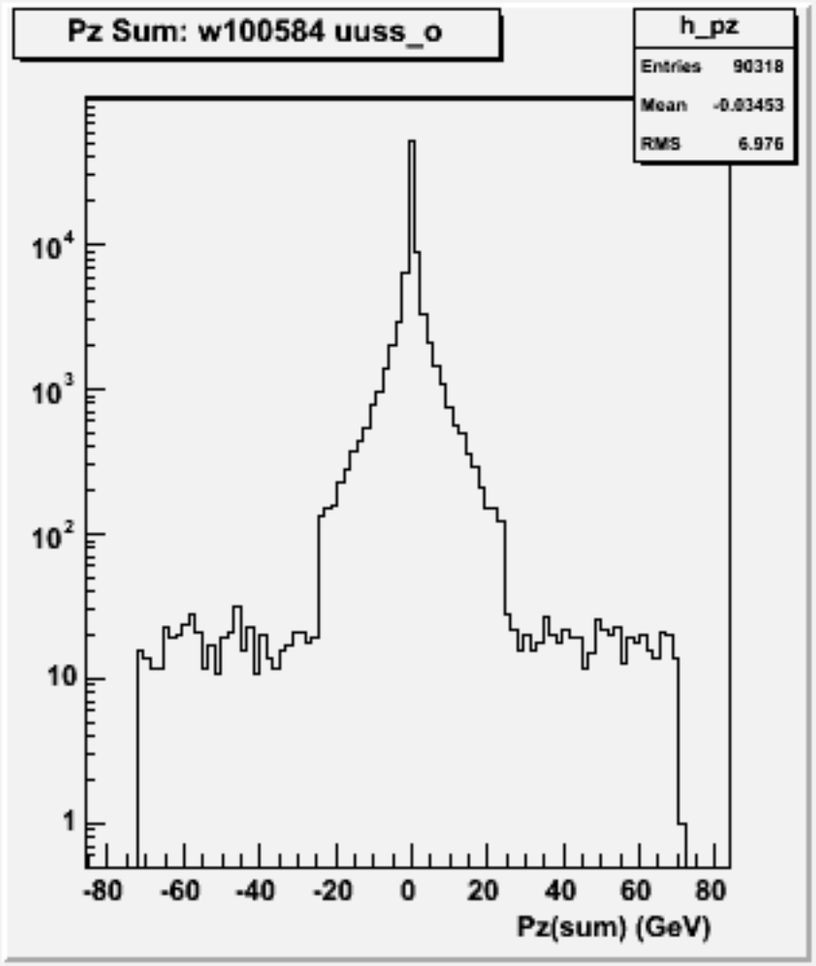
Start point Z : w100584 uuss_o
h_vz
Entries 7617576
Mean -0.1715
RMS 348
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-120
-100
-80
-60
-40
-20
0
20
40
60
80
$\times 10^3$
Start point

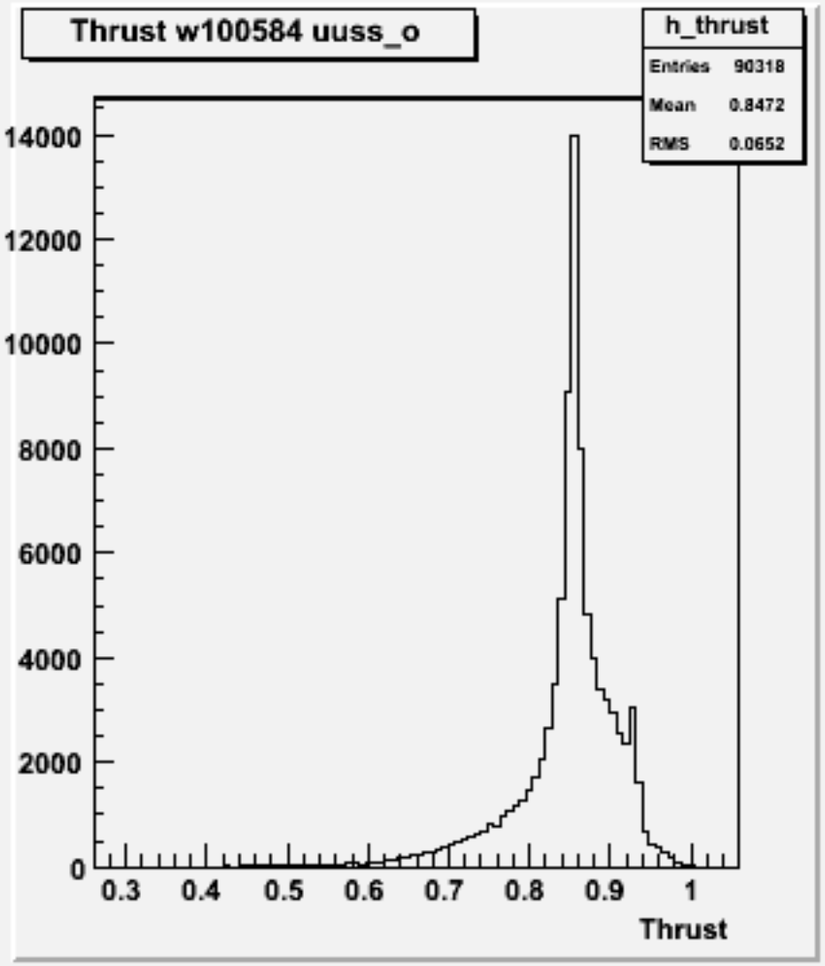

Total Energy (inc. ν): w100584 uuss_o
h_etot
Entries 90318
Mean 347
RMS 7.079
Total Energy(GeV)

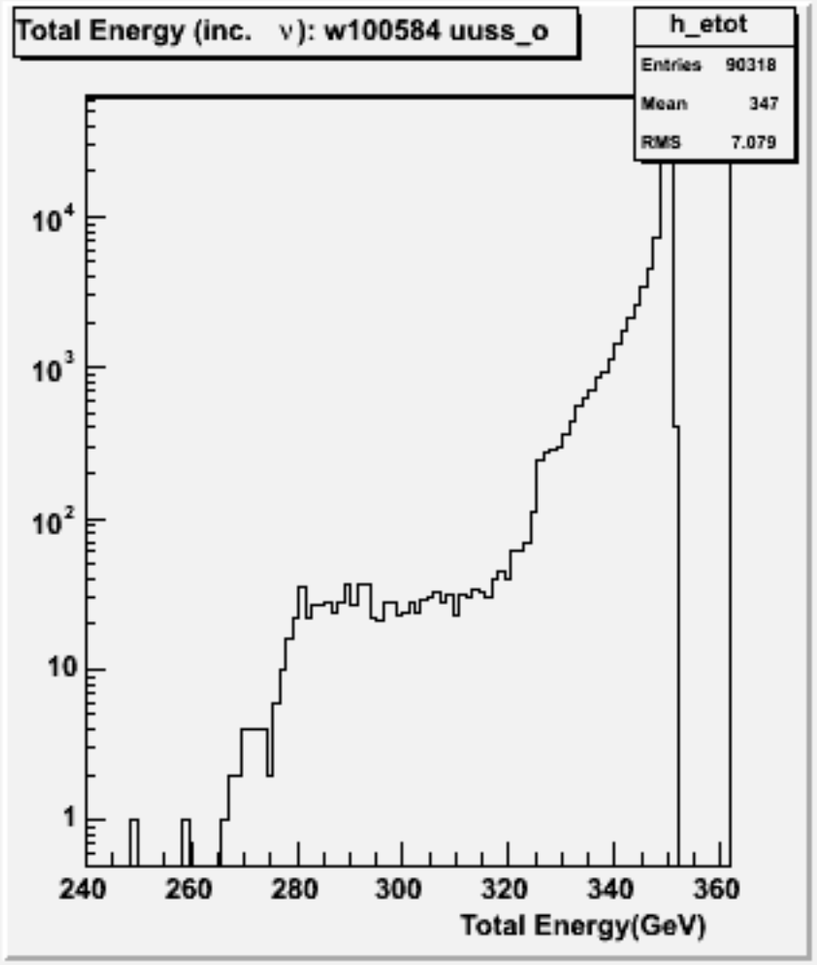

Total Energy (inc. ν): w100584 uuss_o
h_etotc
Entries 82276
Mean 348.7
RMS 2.307
Total Energy(GeV)

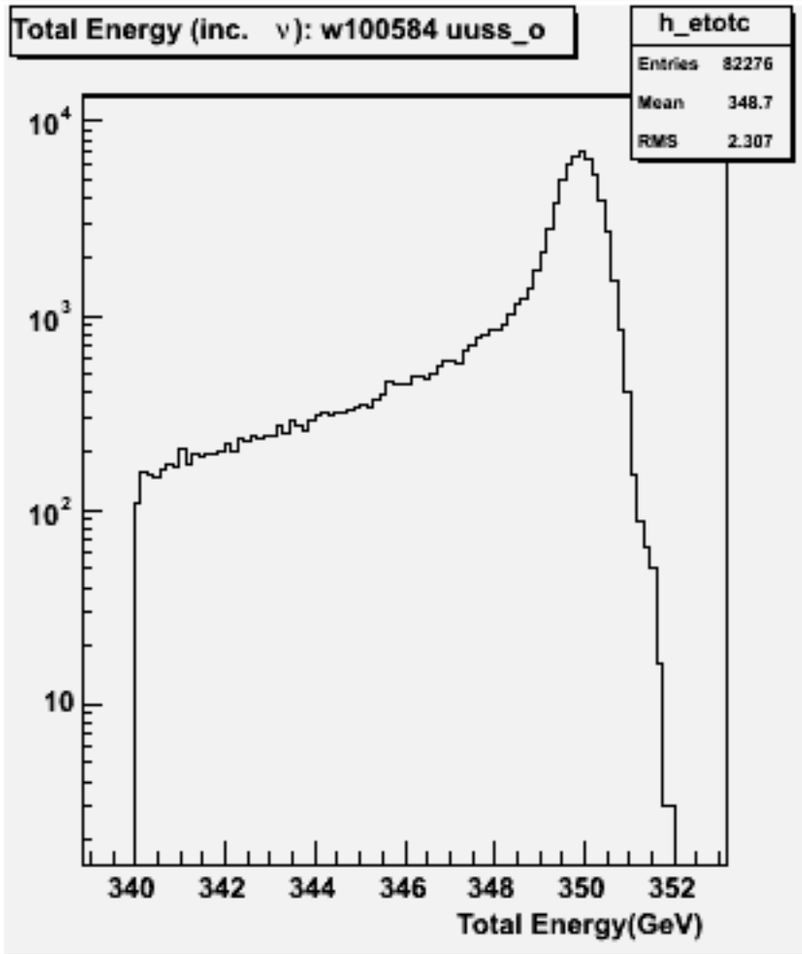

Total Energy (w/o ν): w100584 uuss_o
h_evis
Entries 90318
Mean 346.9
RMS 7.123
Energy(GeV)

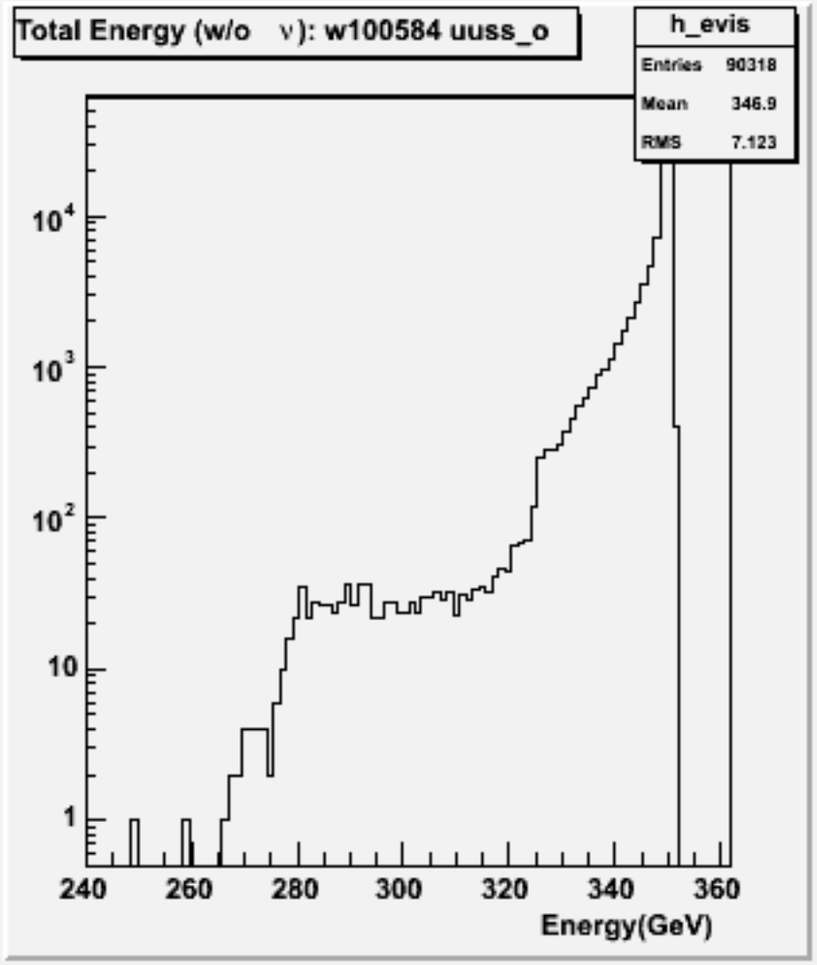

Pt Sum: w100584 uuss_o
h_pt
Entries 90318
Mean 0.03553
RMS 0.5695
Pt(sum) (GeV)

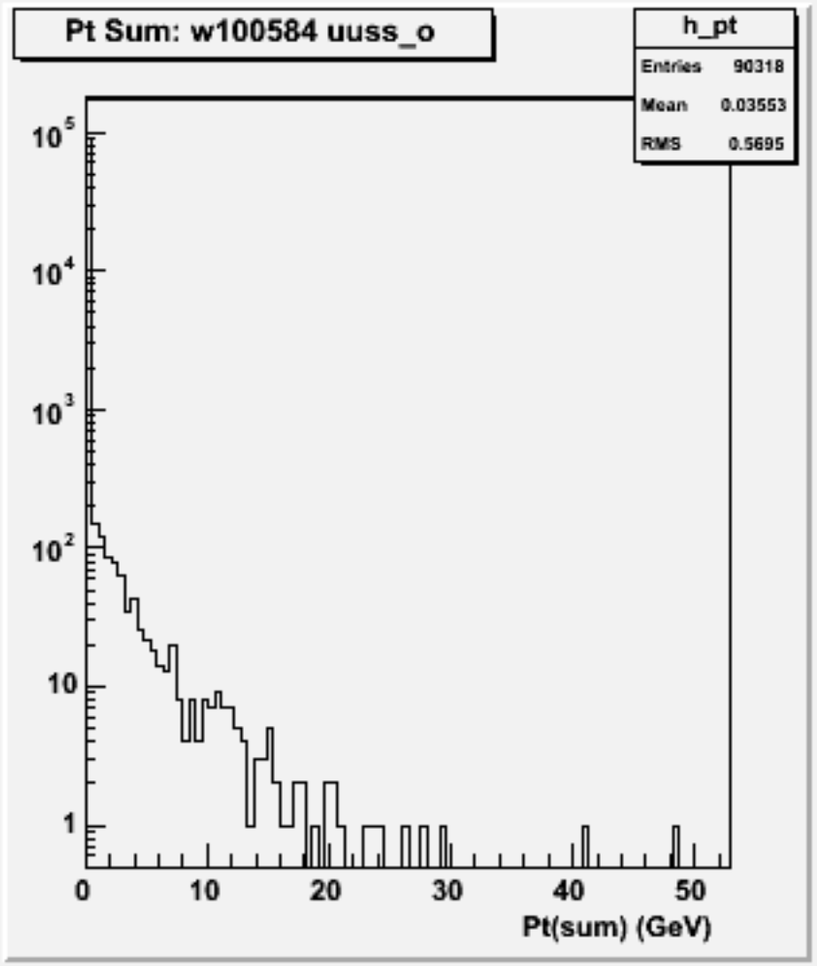

Pz Sum: w100584 uuss_o
h_pz
Entries 90318
Mean -0.03453
RMS 6.976
Pz(sum) (GeV)

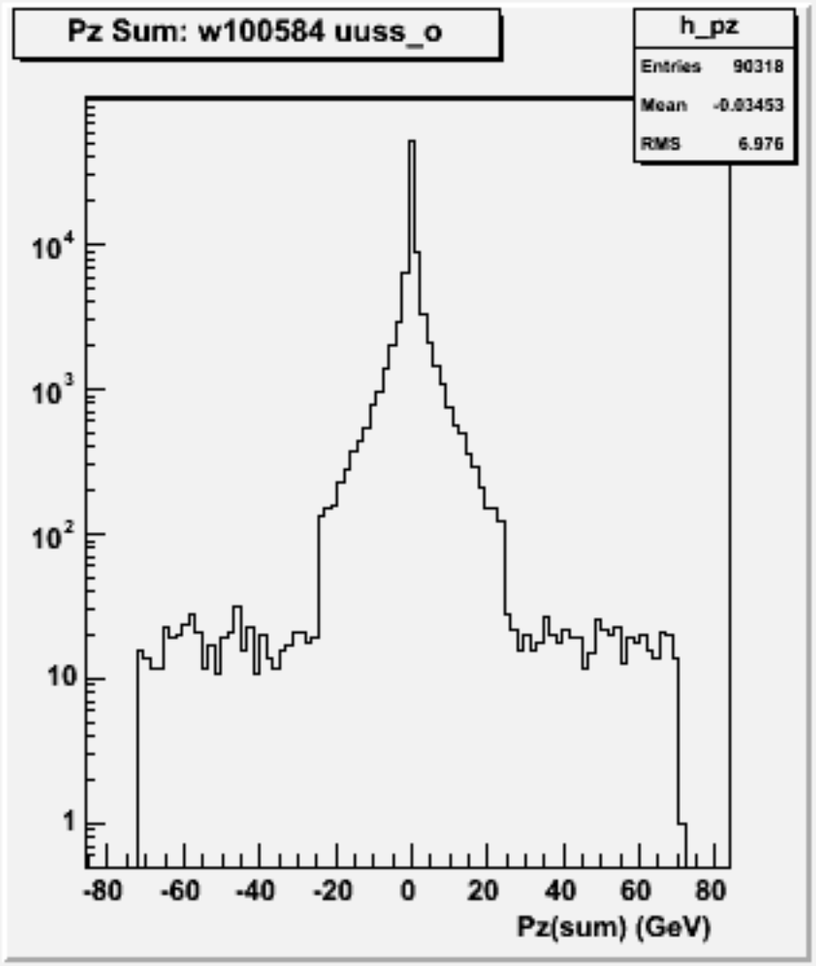

Thrust w100584 uuss_o
h_thrust
Entries 90318
Mean 0.8472
RMS 0.0652
Thrust

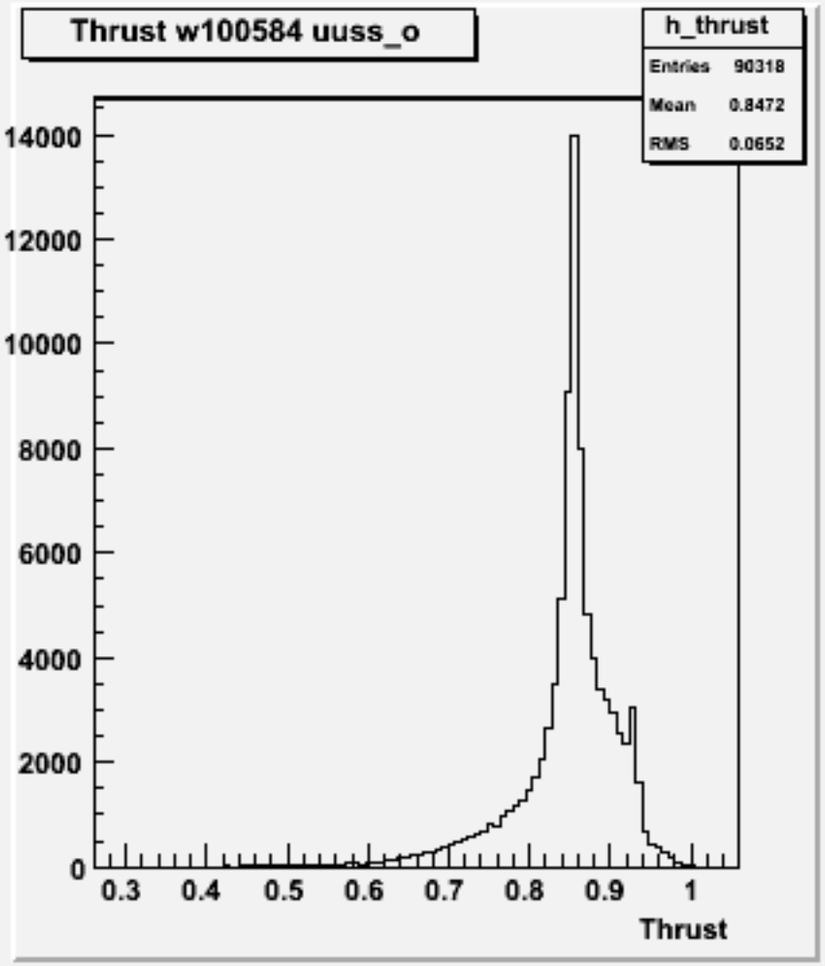

Total Energy (inc. ν): w100584 uuss_o
h_etot
Entries 90318
Mean 347
RMS 7.079
Total Energy(GeV)

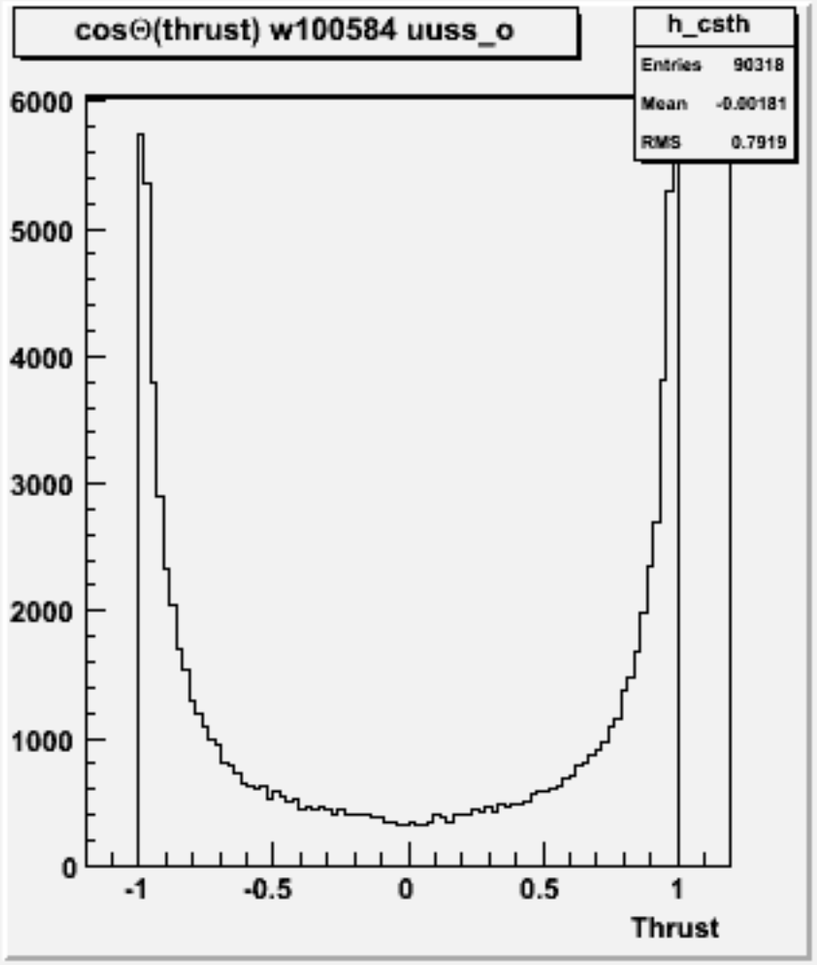

Total Energy (inc. ν): w100584 uuss_o
h_etotc
Entries 82276
Mean 348.7
RMS 2.307
Total Energy(GeV)

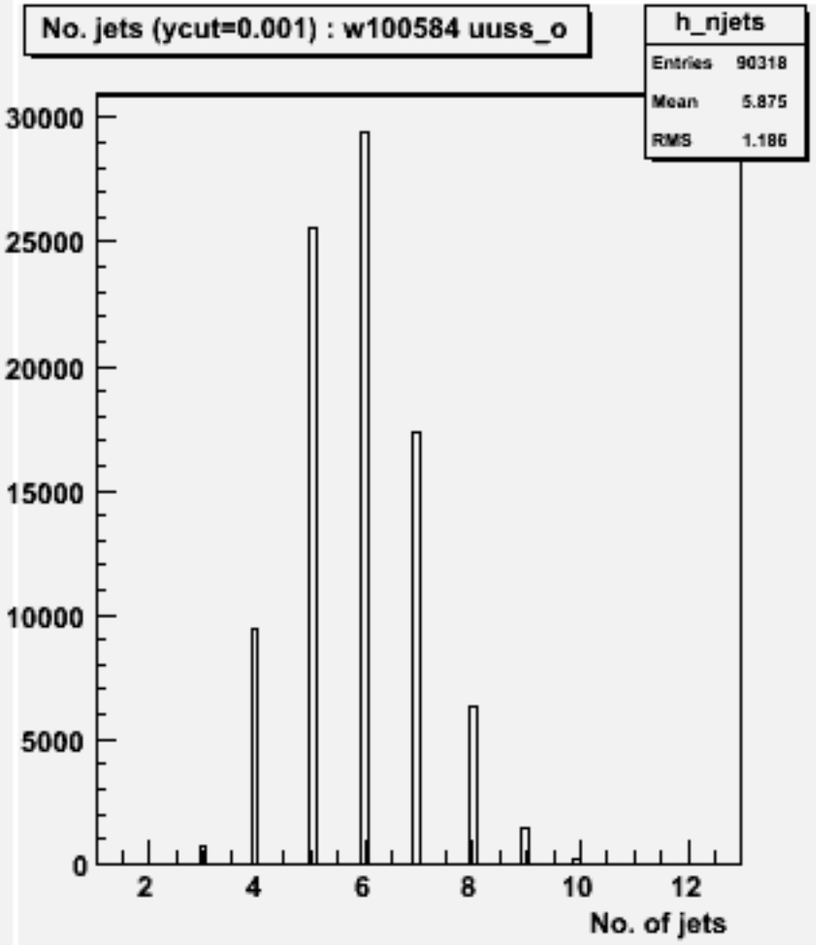

Total Energy (w/o ν): w100584 uuss_o
h_evis
Entries 90318
Mean 346.9
RMS 7.123
Energy(GeV)

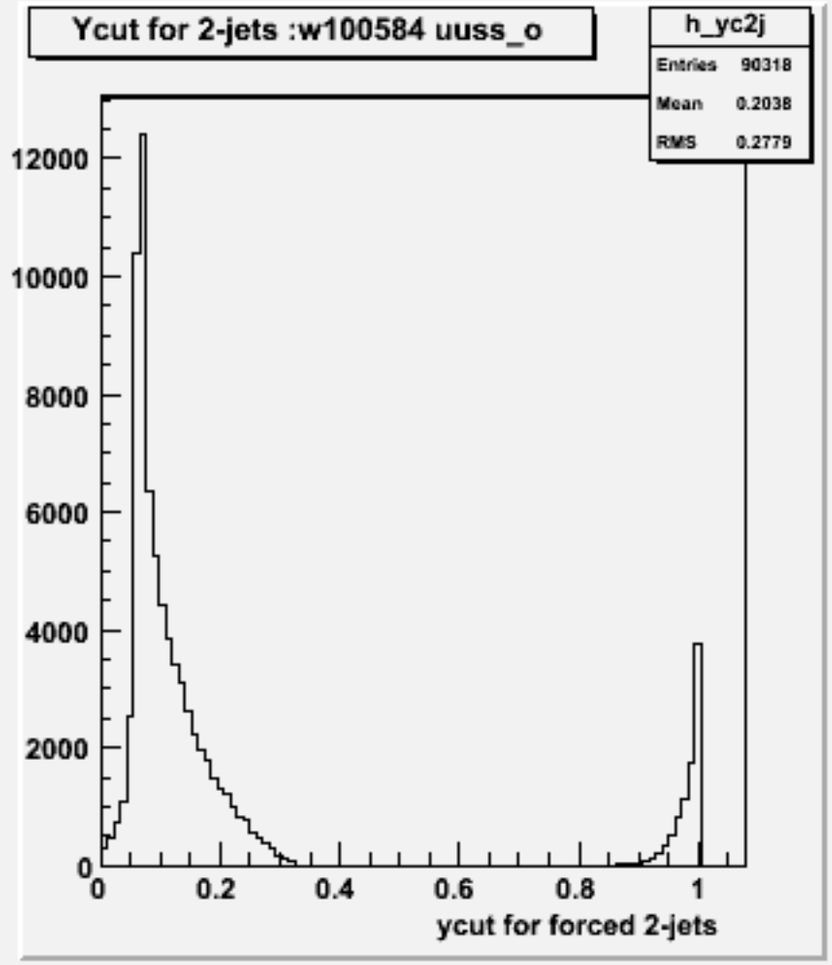

Pt Sum: w100584 uuss_o
h_pt
Entries 90318
Mean 0.03553
RMS 0.5695
Pt(sum) (GeV)

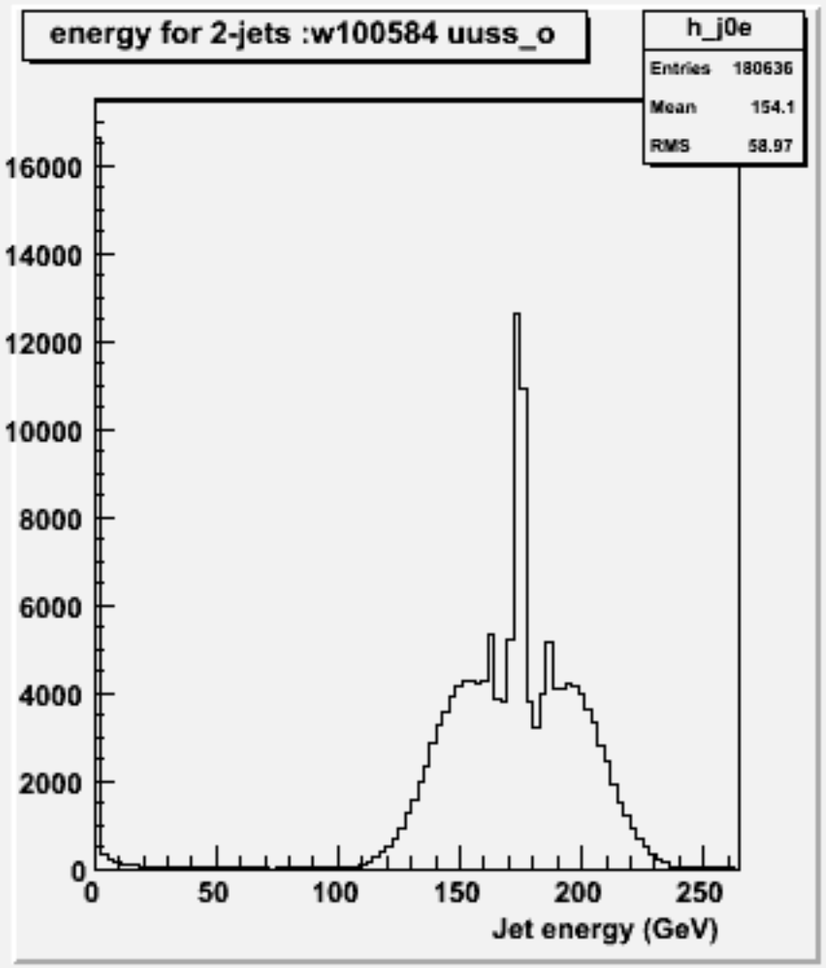

Pz Sum: w100584 uuss_o
h_pz
Entries 90318
Mean -0.03453
RMS 6.976
Pz(sum) (GeV)

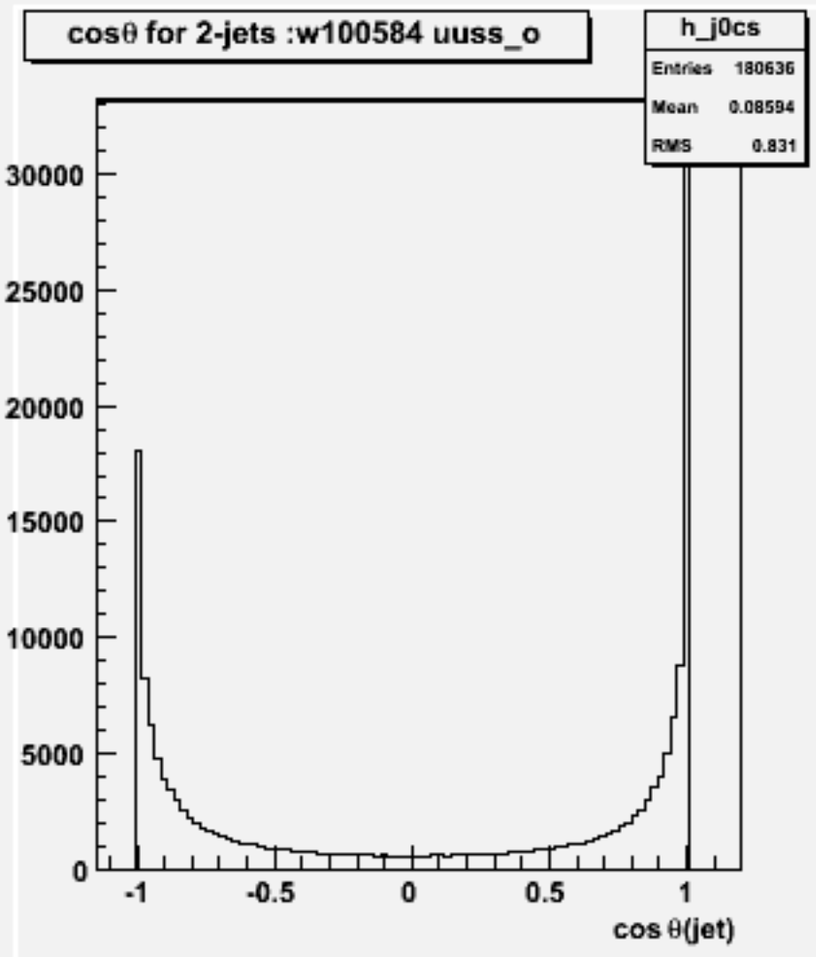

Thrust w100584 uuss_o
h_thrust
Entries 90318
Mean 0.8472
RMS 0.0652
Thrust

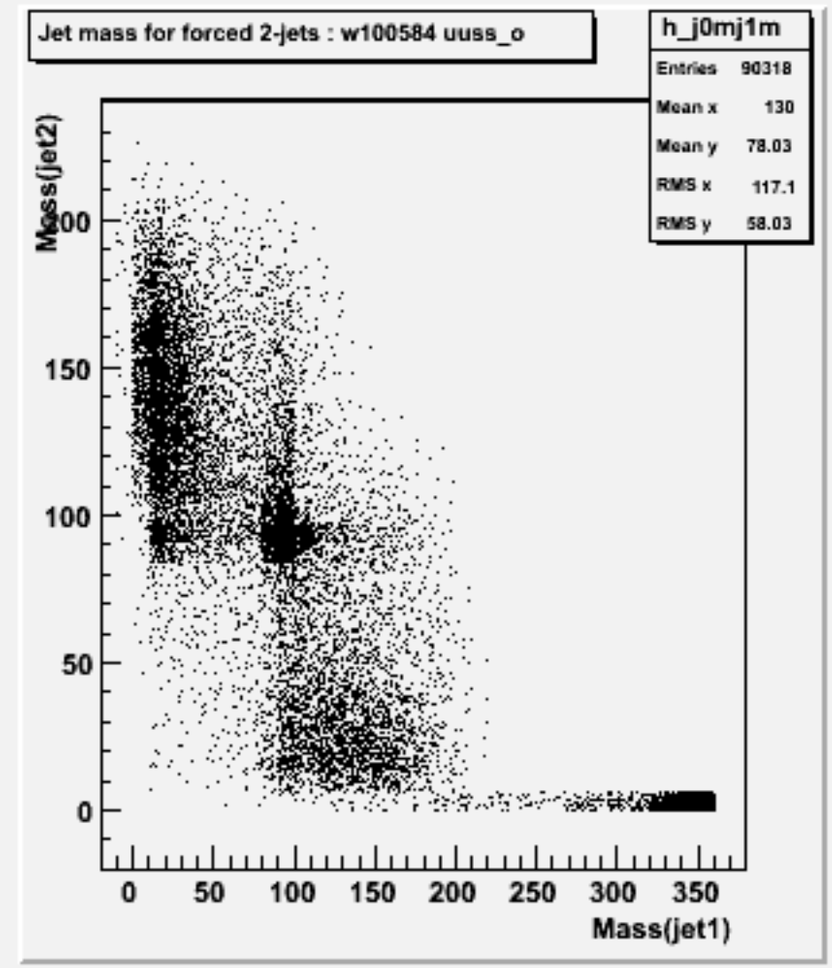

cosΘ(thrust) w100584 uuss_o
h_csth
Entries 90318
Mean -0.00181
RMS 0.7919
Thrust

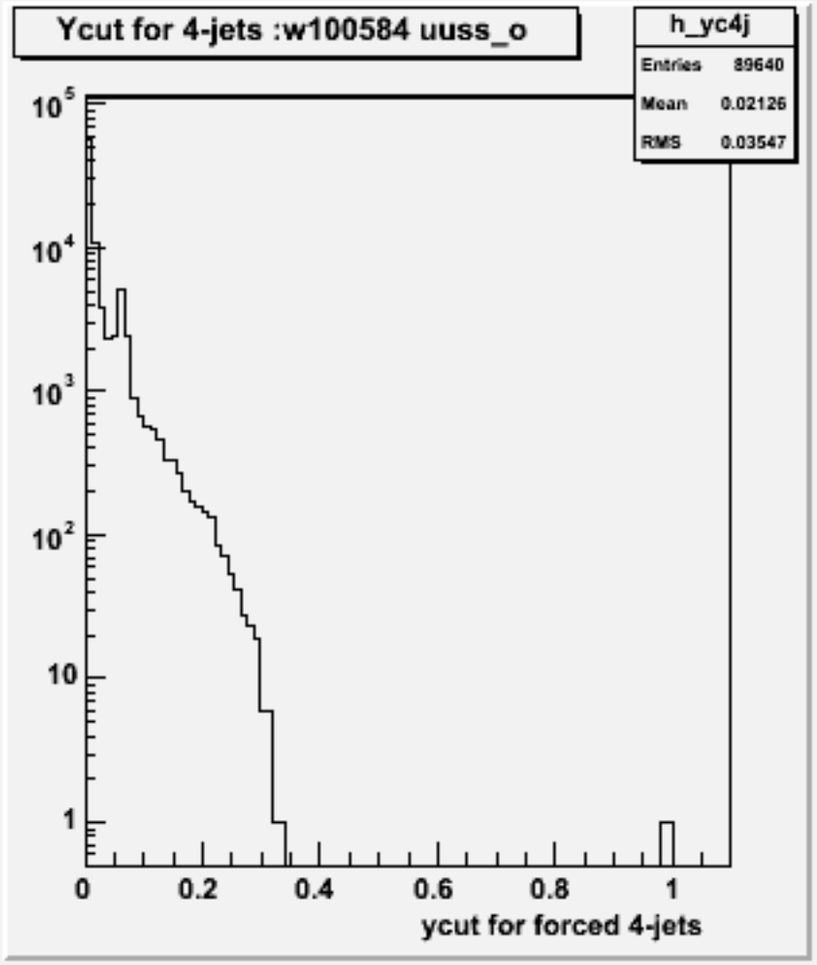

No. jets (ycut=0.001) : w100584 uuss_o
h_njets
Entries 90318
Mean 5.875
RMS 1.186
No. of jets

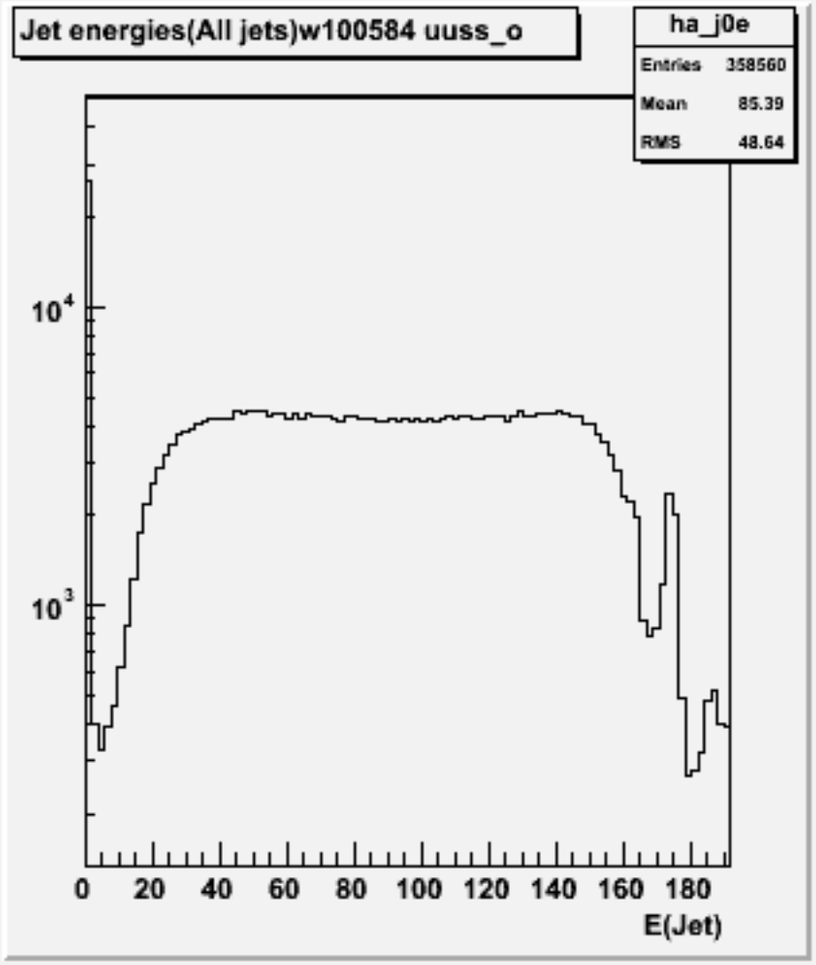

Ycut for 2-jets :w100584 uuss_o
h_yc2j
Entries 90318
Mean 0.2038
RMS 0.2779
ycut for forced 2-jets

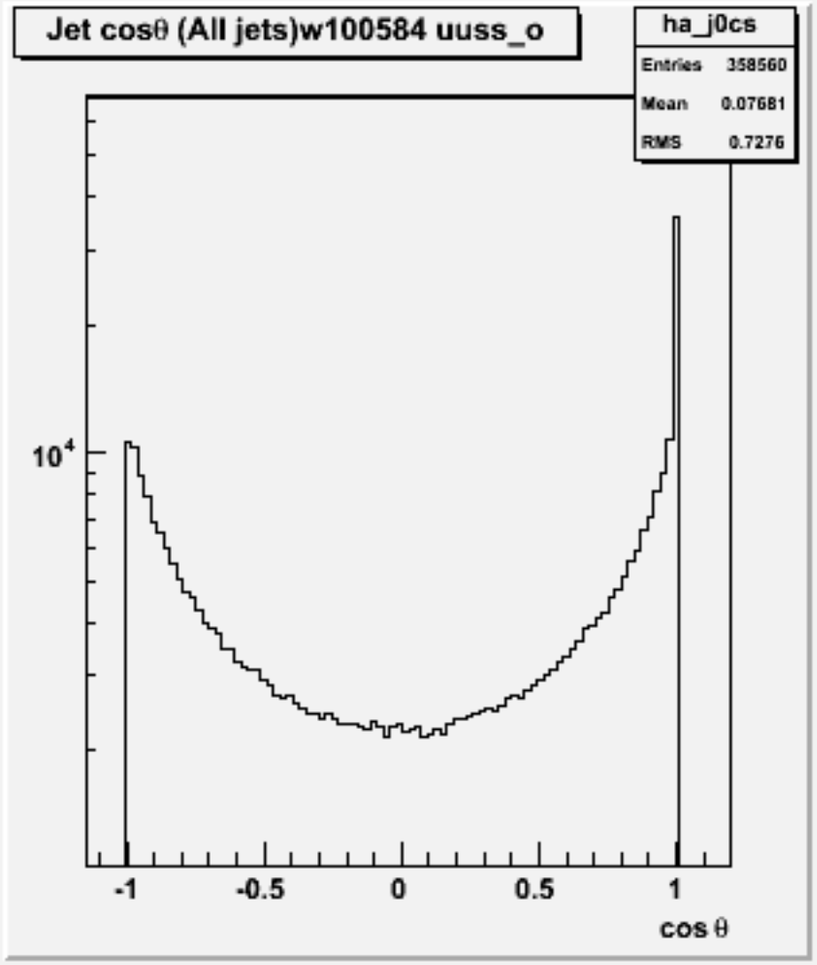

energy for 2-jets :w100584 uuss_o
h_j0e
Entries 180636
Mean 154.1
RMS 58.97
Jet energy (GeV)

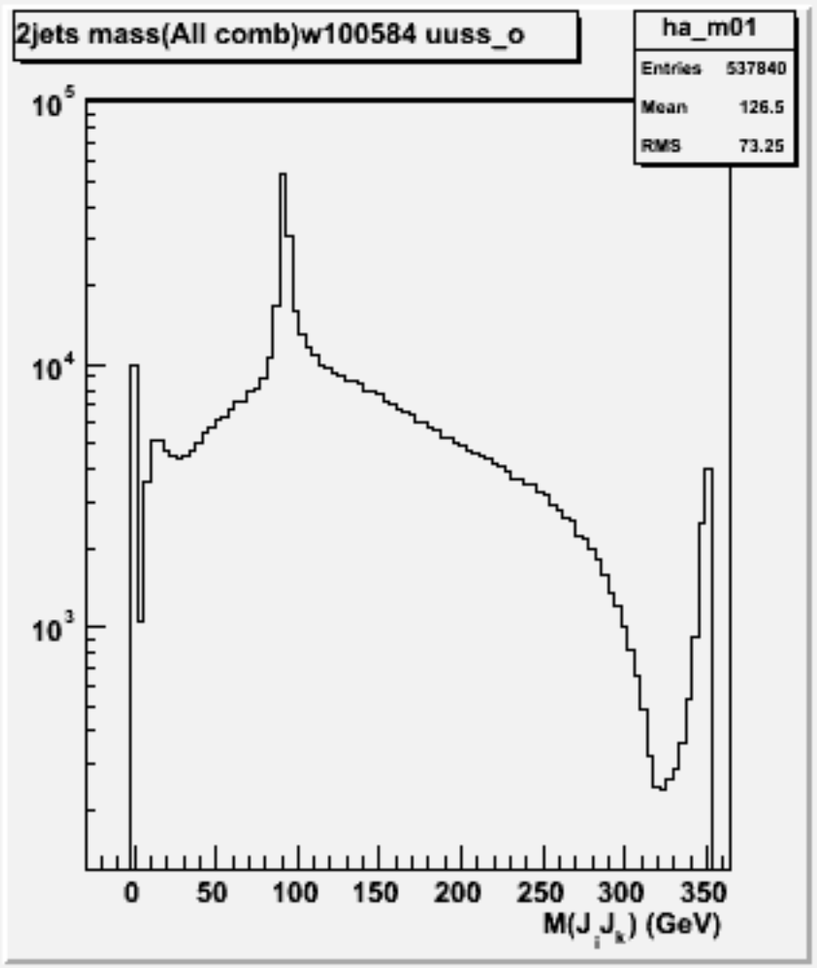

cosθ for 2-jets :w100584 uuss_o
h_j0cs
Entries 180636
Mean 0.08594
RMS 0.831
cos θ(jet)

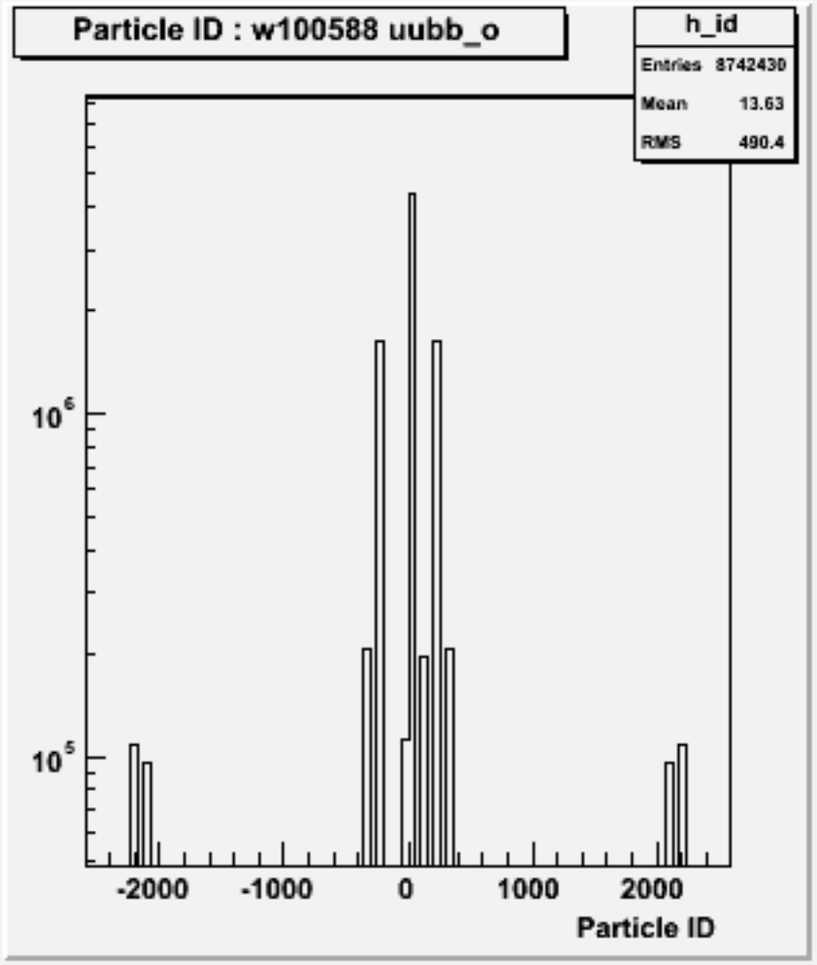

Jet mass for forced 2-jets : w100584 uuss_o
h_j0mj1m
Entries 90318
Mean x 130
Mean y 78.03
RMS x 117.1
RMS y 58.03
Mass(jet2)
Mass(jet1)

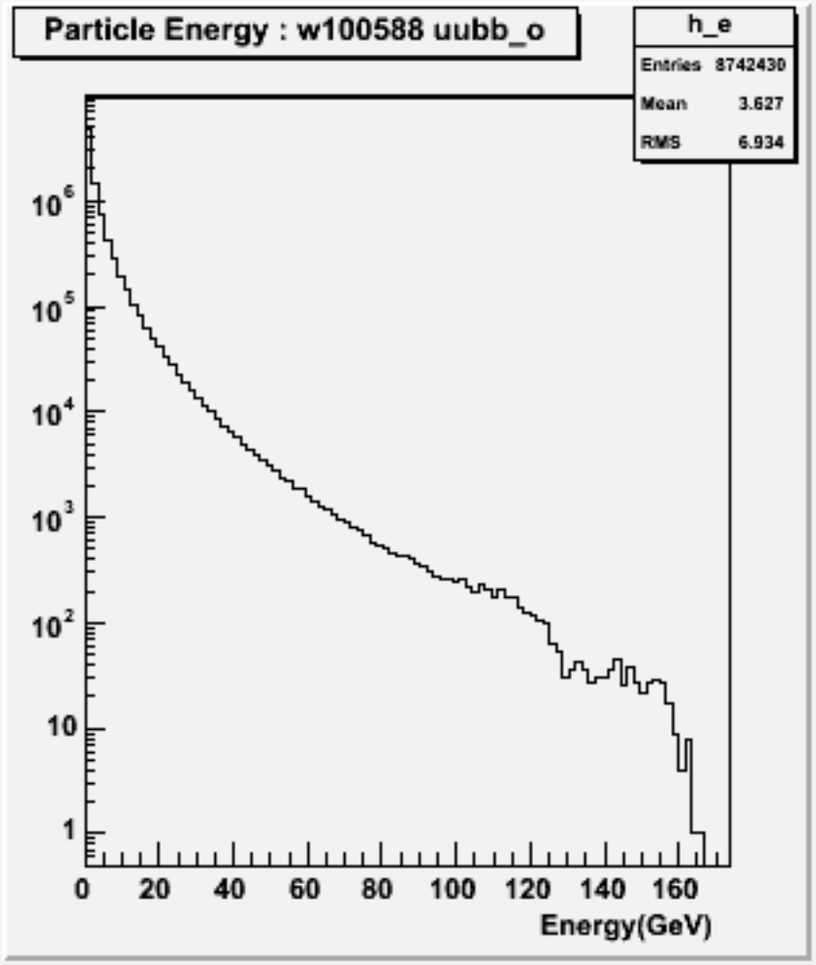

Ycut for 4-jets :w100584 uuss_o
h_yc4j
Entries 89640
Mean 0.02126
RMS 0.03547
ycut for forced 4-jets

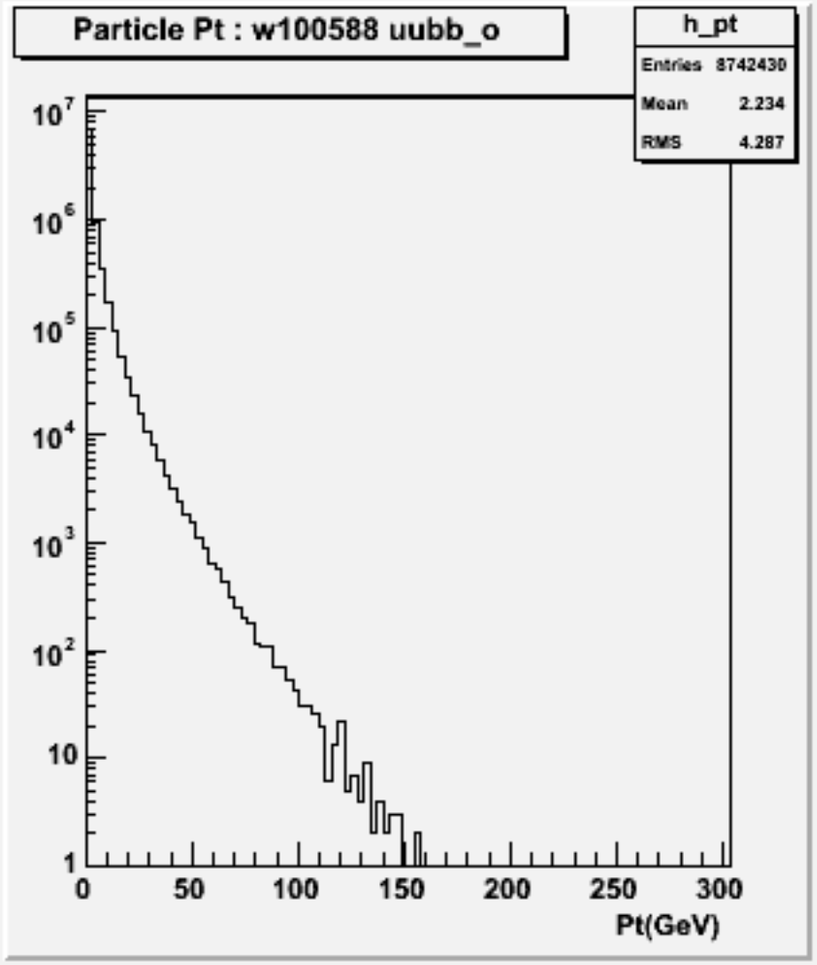

Jet energies(All jets)w100584 uuss_o
ha_j0e
Entries 358560
Mean 85.39
RMS 48.64
E(Jet)

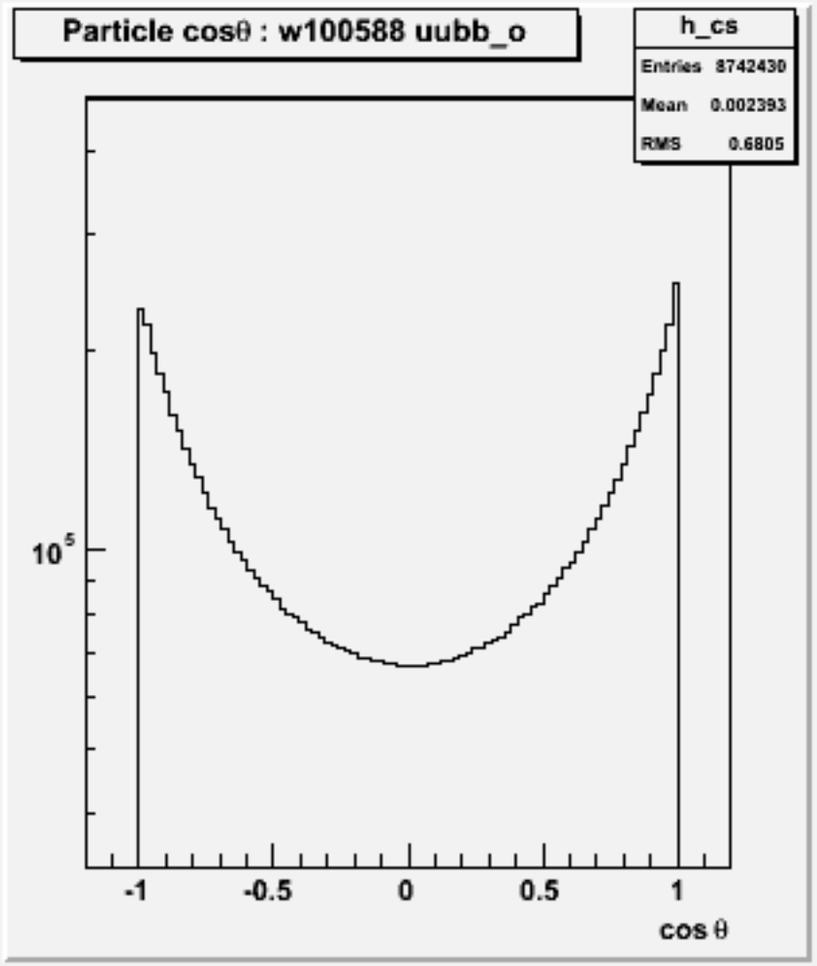

Jet cosθ (All jets)w100584 uuss_o
ha_j0cs
Entries 358560
Mean 0.07681
RMS 0.7276
cos θ

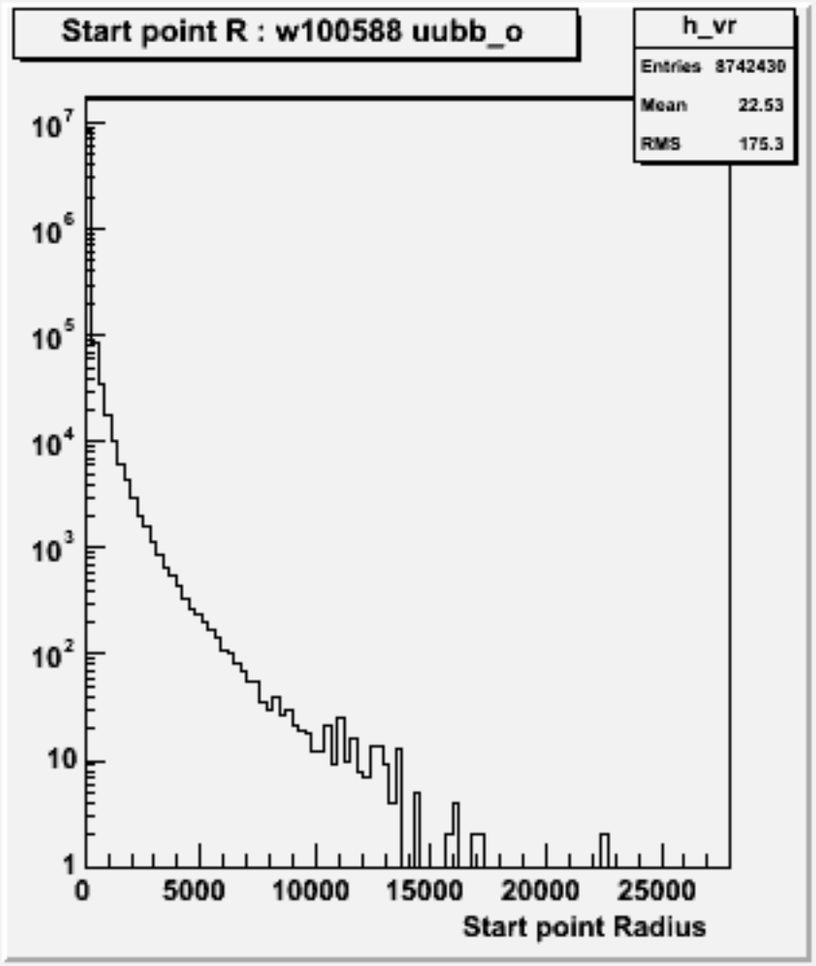

2jets mass(All comb)w100584 uuss_o
ha_m01
Entries 537840
Mean 126.5
RMS 73.25
M(J_iJ_k) (GeV)

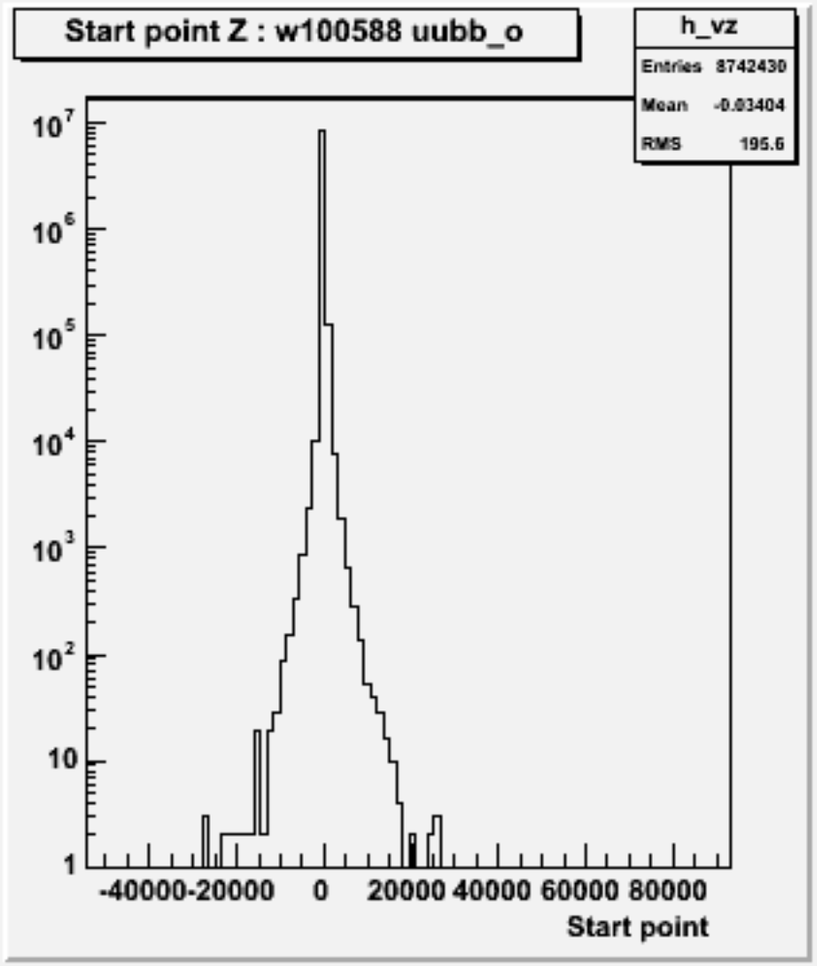

Particle ID : w100588 uubb_o
h_id
Entries 8742430
Mean 13.63
RMS 490.4
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

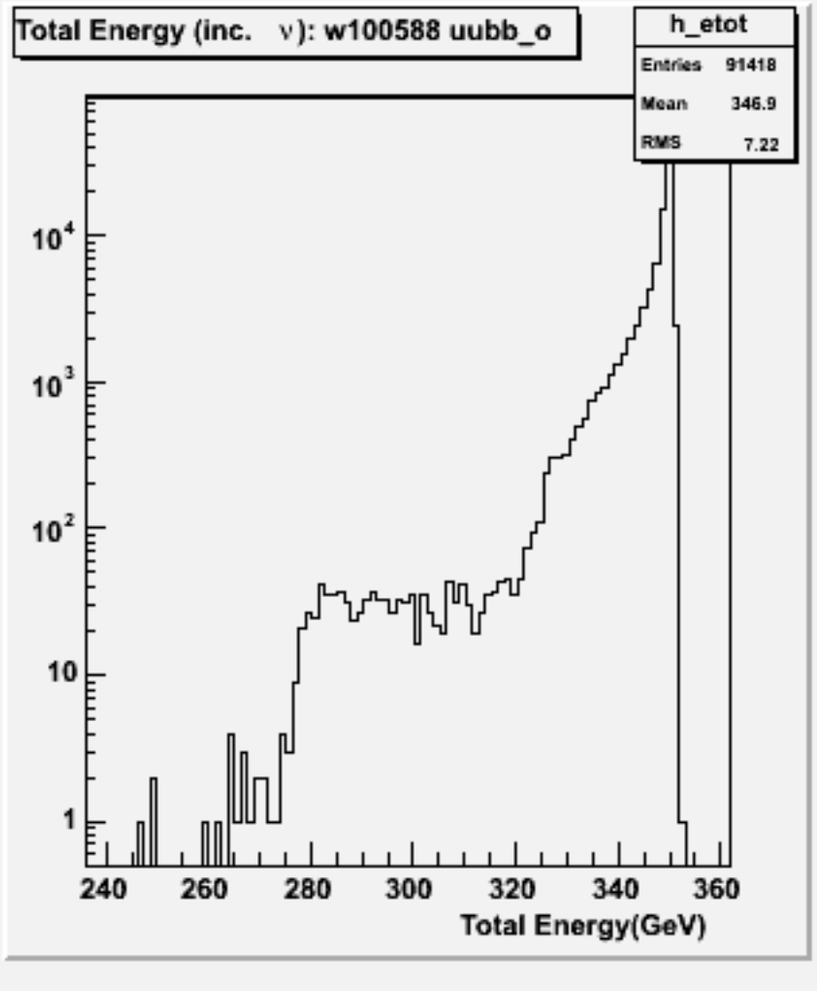

Particle Energy : w100588 uubb_o
h_e
Entries 8742430
Mean 3.627
RMS 6.934
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

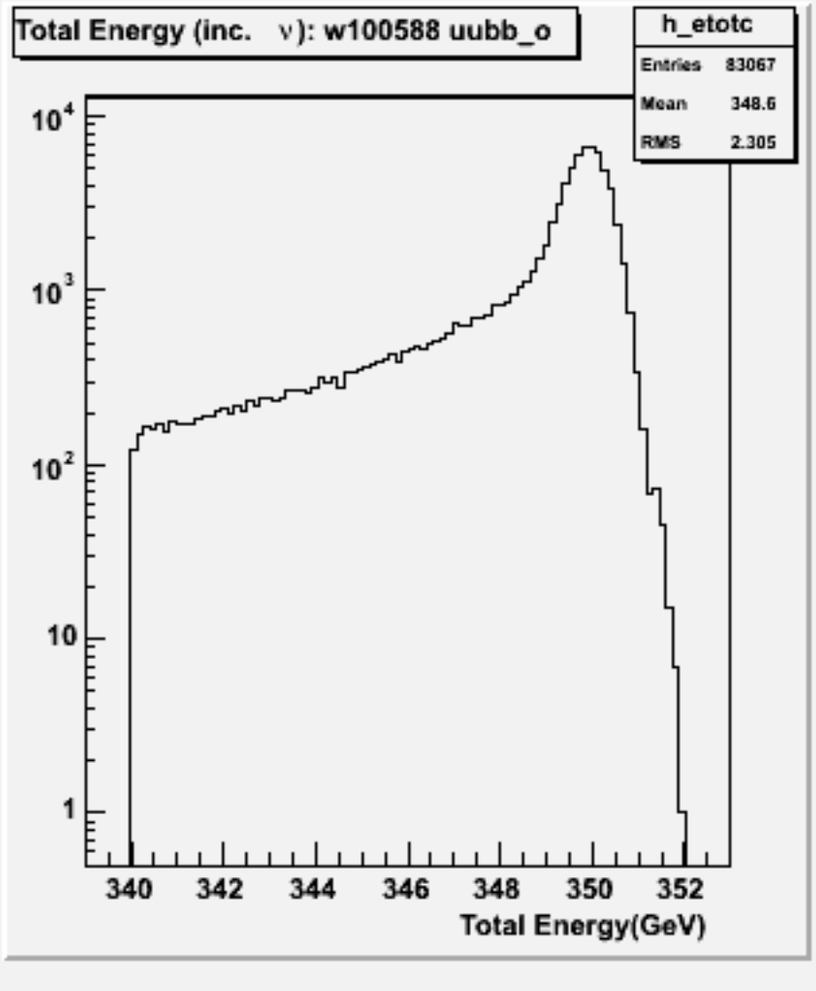

Particle Pt : w100588 uubb_o
h_pt
Entries 8742430
Mean 2.234
RMS 4.287
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
300
Pt(GeV)

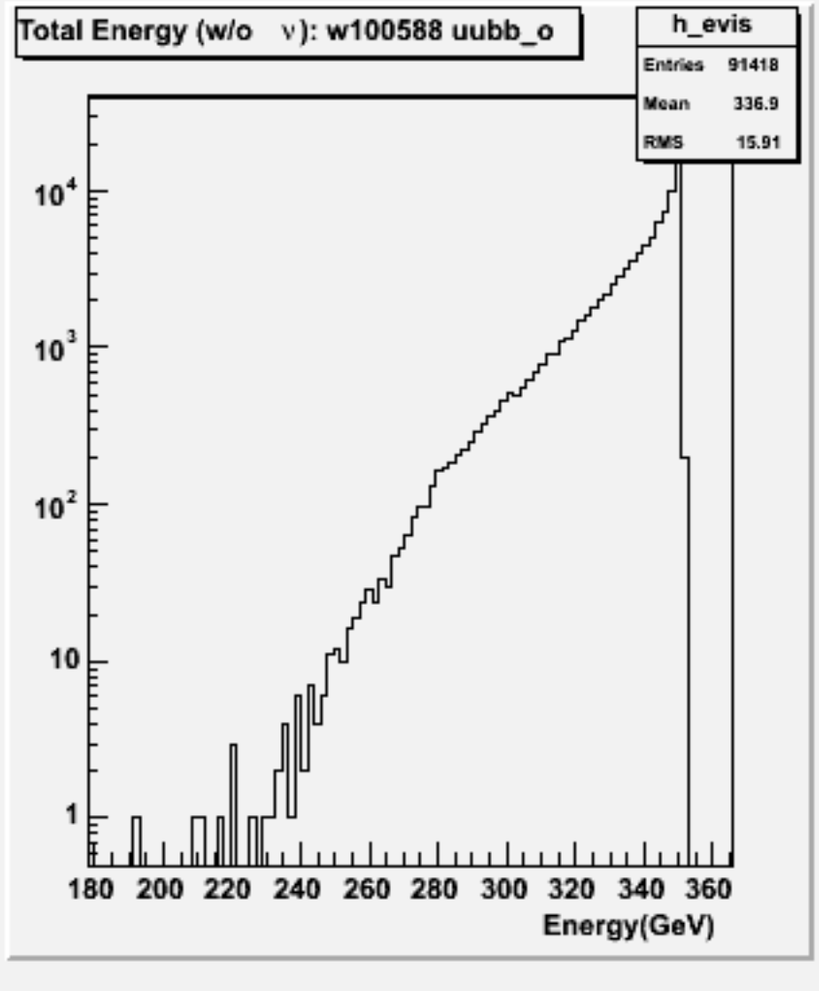

Particle cosθ : w100588 uubb_o
h_cs
Entries 8742430
Mean 0.002393
RMS 0.6805
10^5
-1
-0.5
0
0.5
1
cos θ

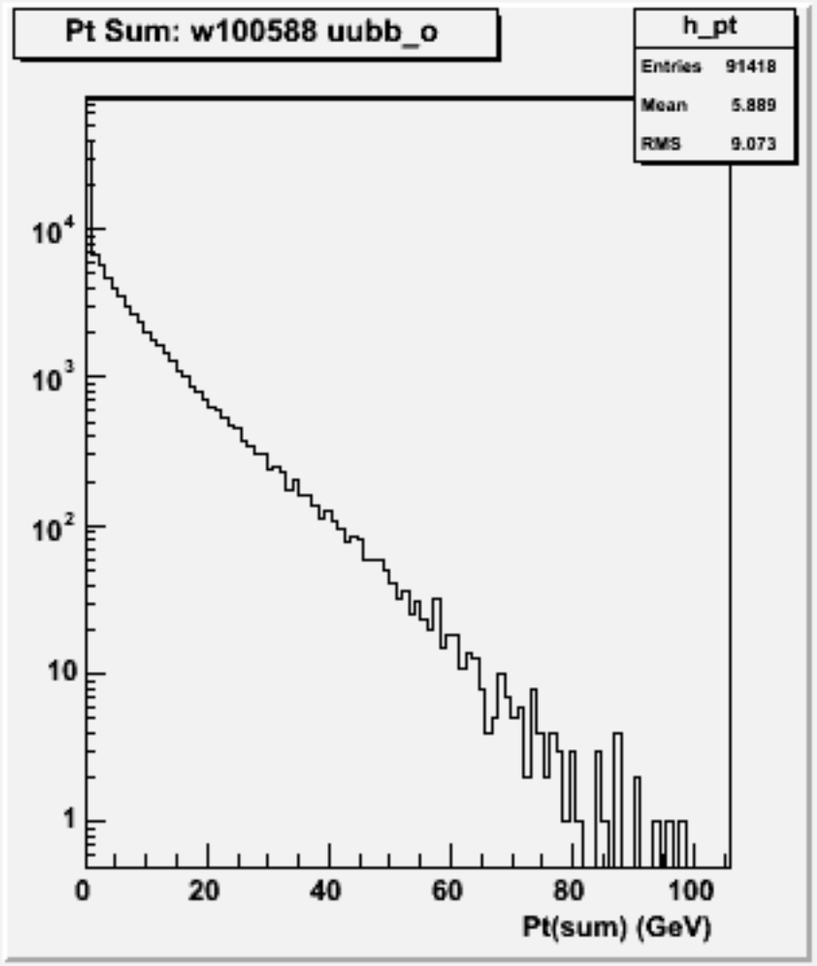

Start point R : w100588 uubb_o
h_vr
Entries 8742430
Mean 22.53
RMS 175.3
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

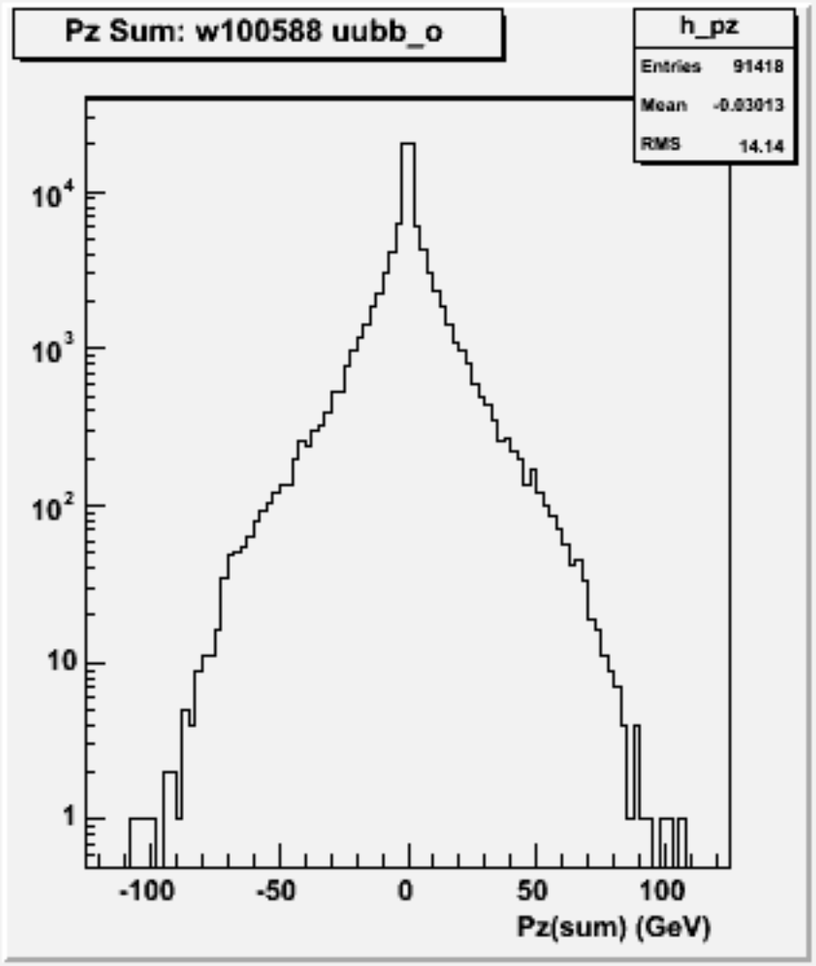

Start point Z : w100588 uubb_o
h_vz
Entries 8742430
Mean -0.03404
RMS 195.6
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-40000
-20000
0
20000
40000
60000
80000
Start point

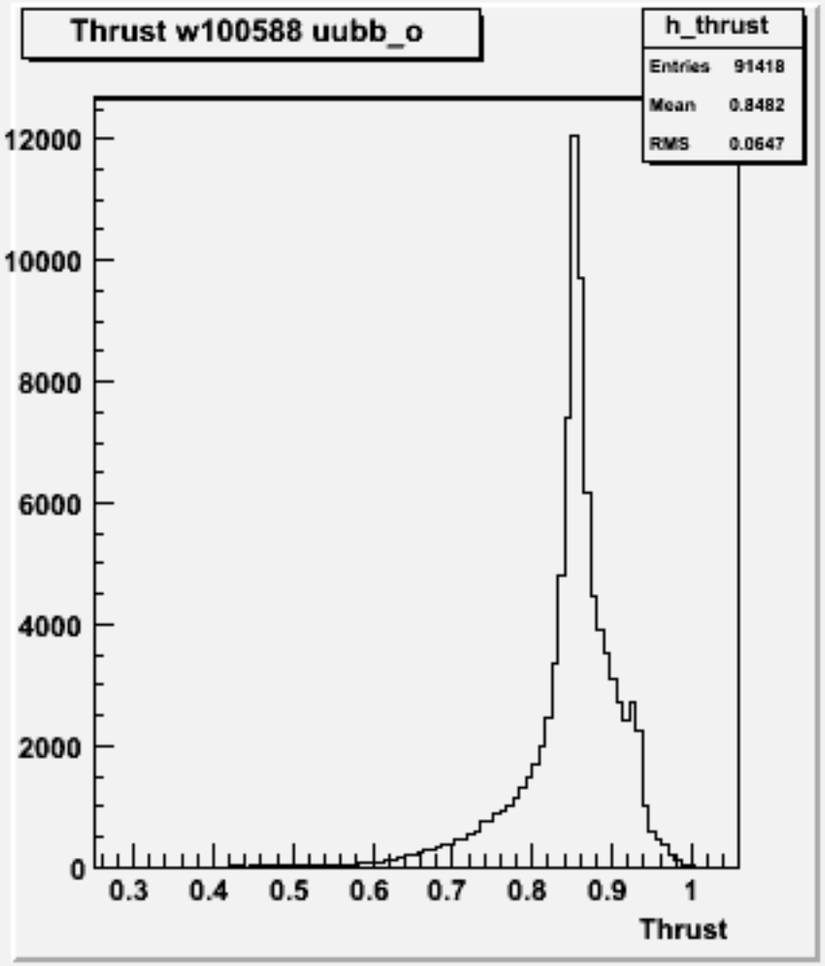

Total Energy (inc. ν): w100588 uubb_o
h_etot
Entries 91418
Mean 346.9
RMS 7.22
Total Energy(GeV)

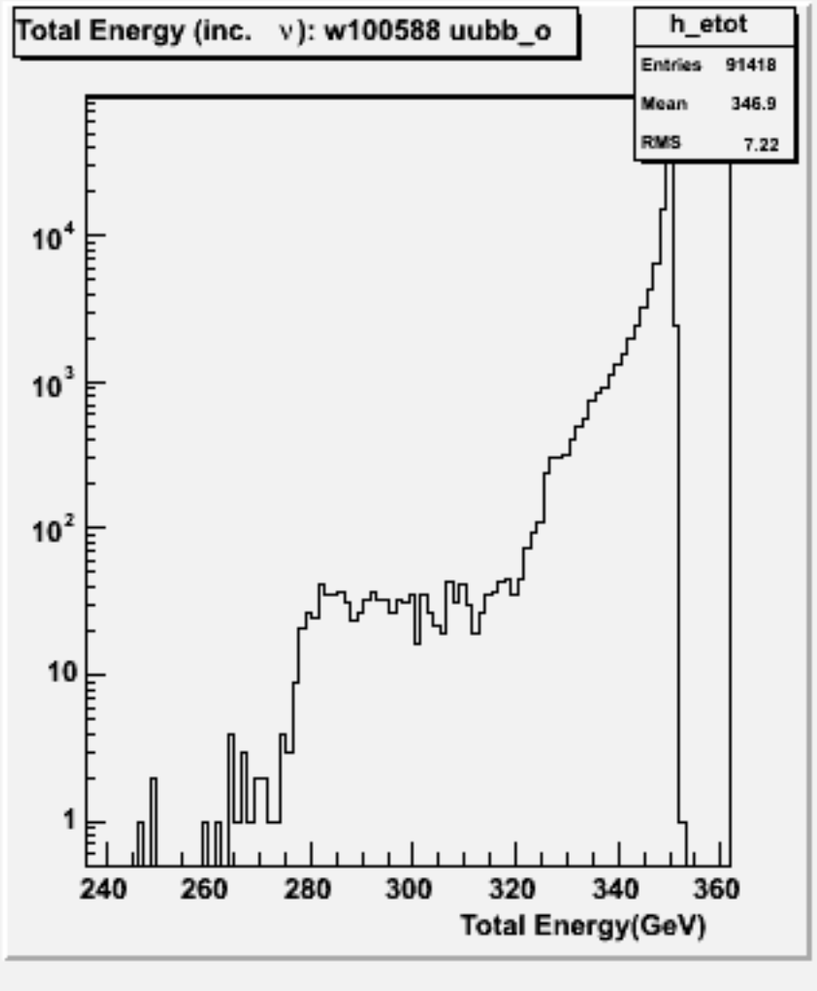

Total Energy (inc. ν): w100588 uubb_o
h_etotc
Entries 83067
Mean 348.6
RMS 2.305
Total Energy(GeV)

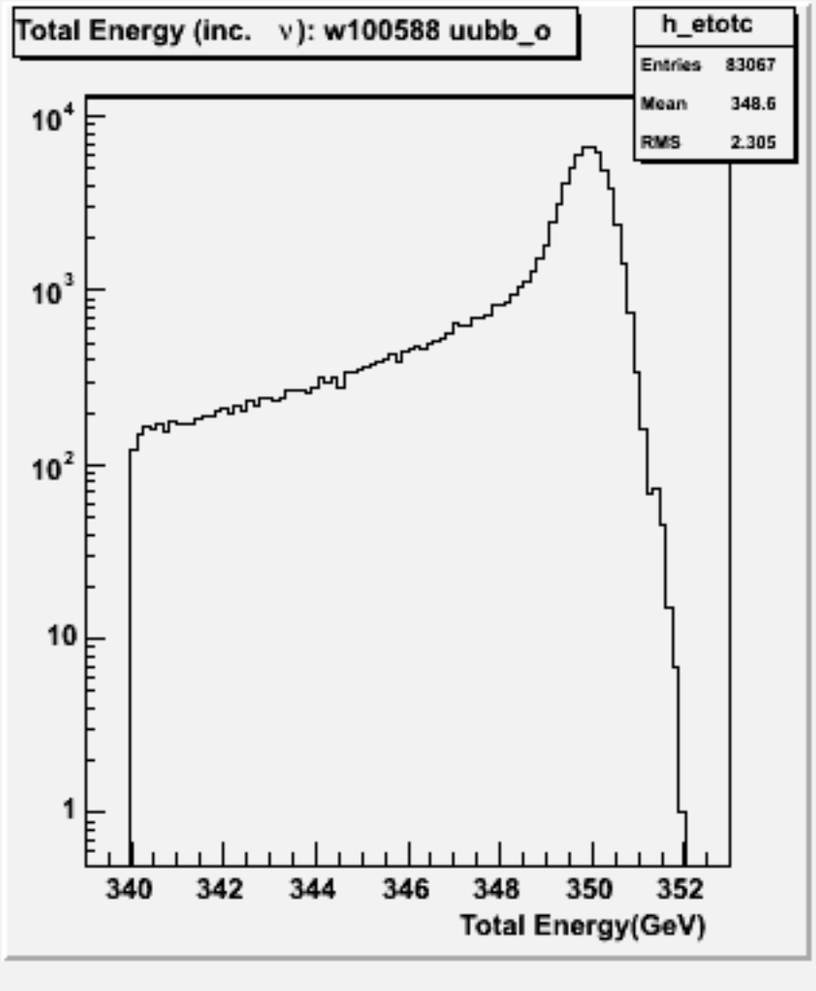

Total Energy (w/o ν): w100588 uubb_o
h_evis
Entries 91418
Mean 336.9
RMS 15.91
Energy(GeV)

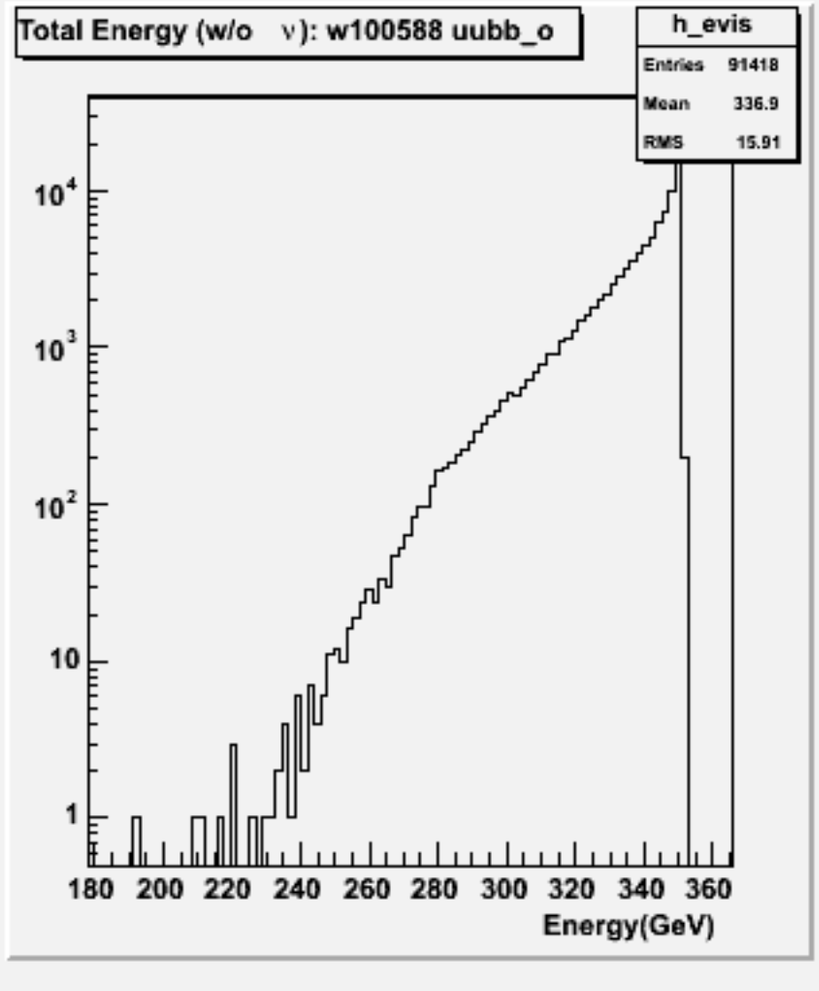

Pt Sum: w100588 uubb_o
h_pt
Entries 91418
Mean 5.889
RMS 9.073
Pt(sum) (GeV)

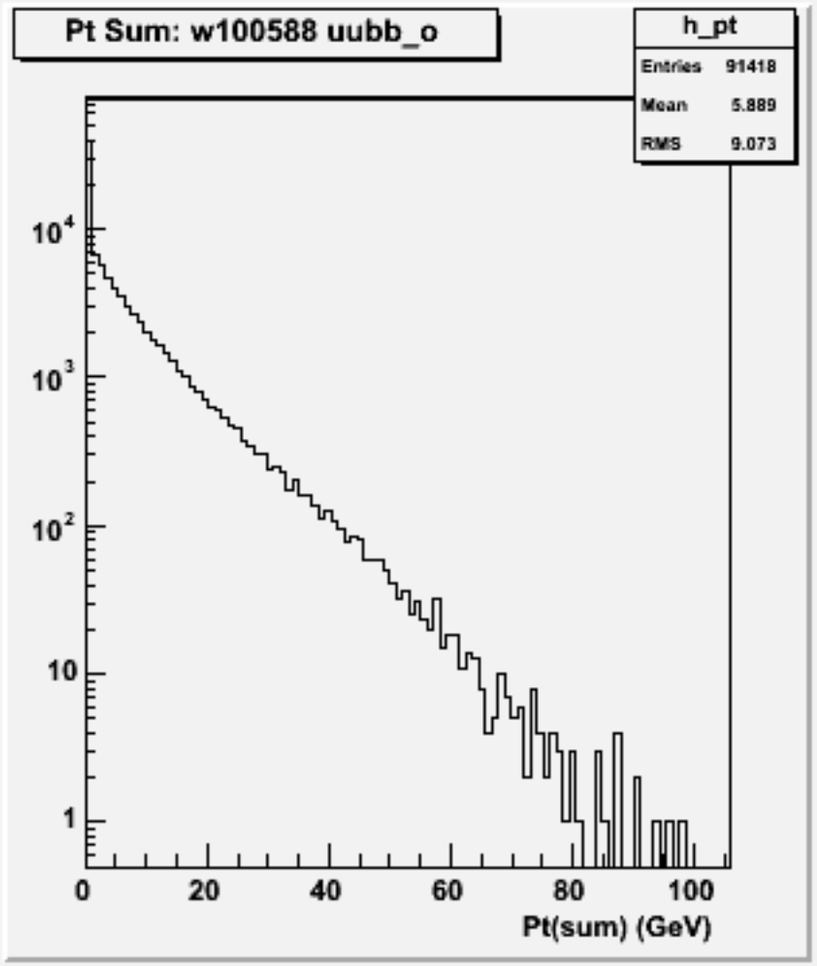

Pz Sum: w100588 uubb_o
h_pz
Entries 91418
Mean -0.03013
RMS 14.14
Pz(sum) (GeV)

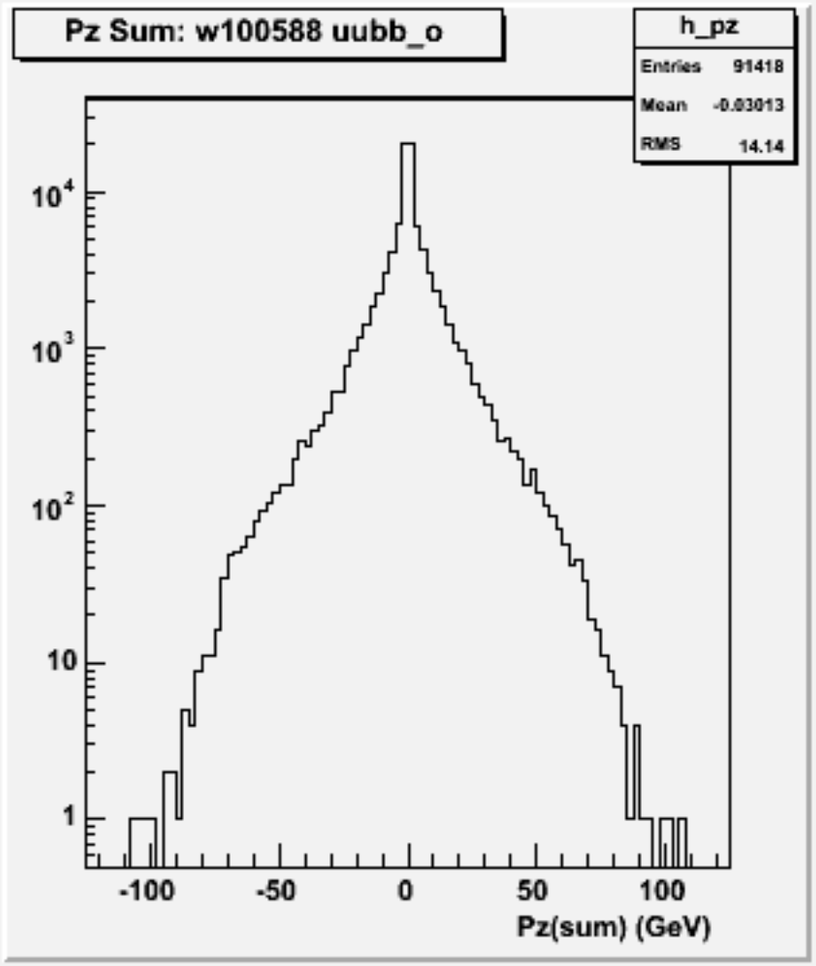

Thrust w100588 uubb_o
h_thrust
Entries 91418
Mean 0.8482
RMS 0.0647
Thrust

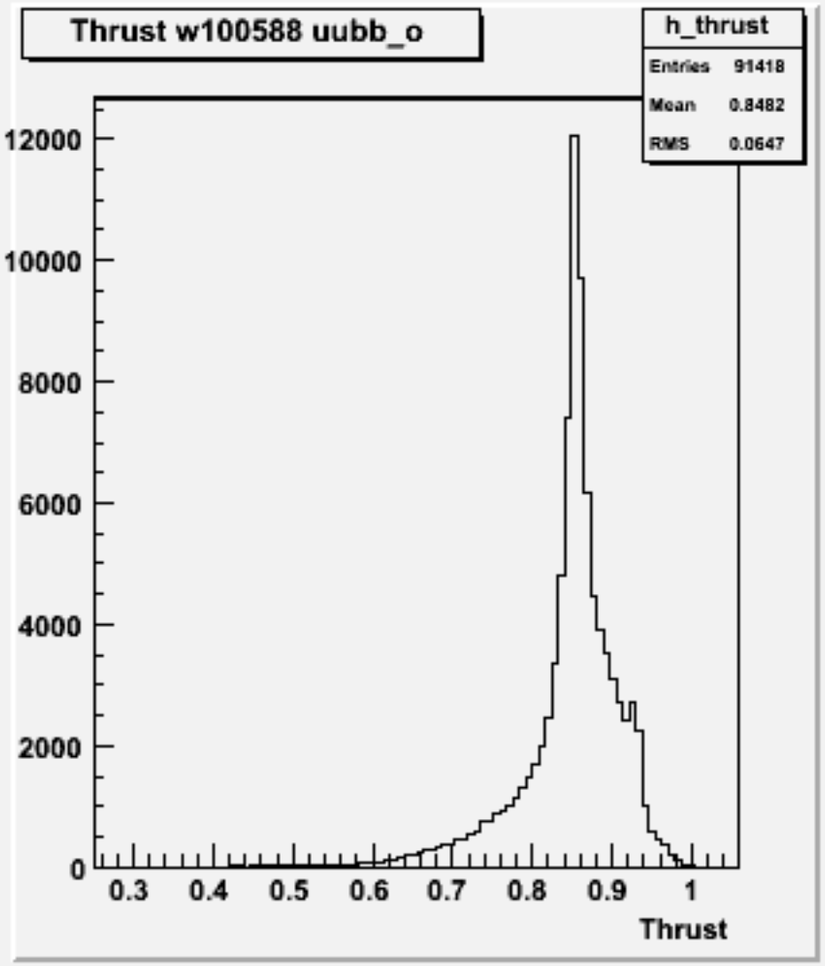

Total Energy (inc. ν): w100588 uubb_o
h_etot
Entries 91418
Mean 346.9
RMS 7.22
Total Energy(GeV)

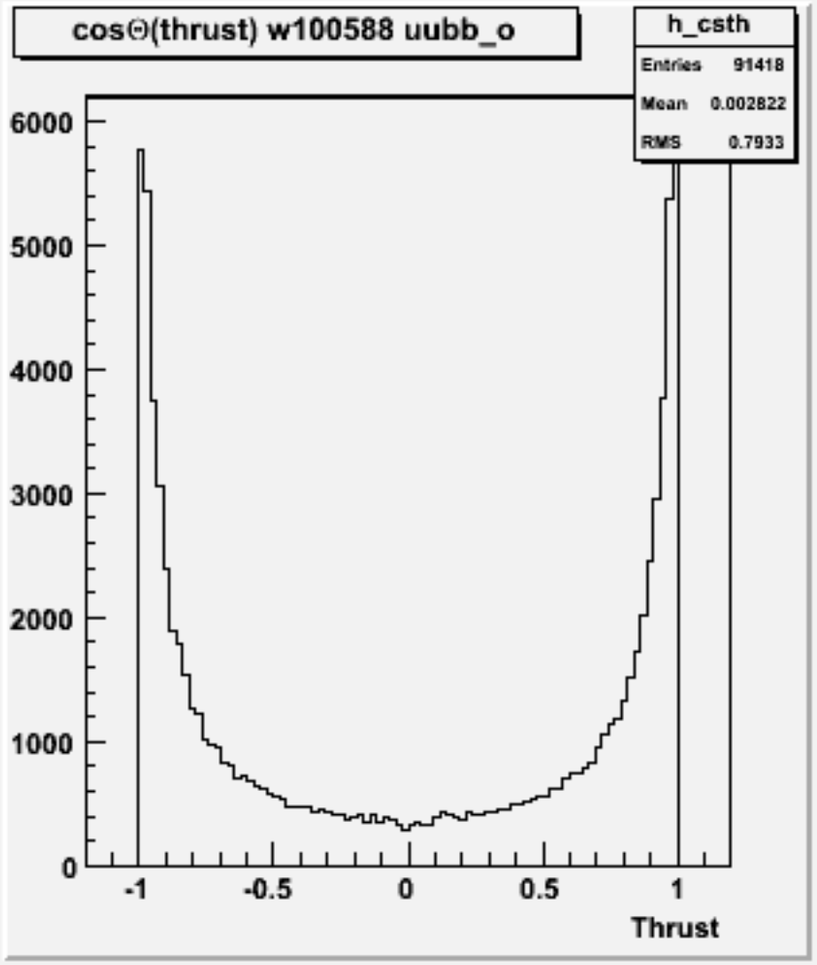

Total Energy (inc. ν): w100588 uubb_o
h_etotc
Entries 83067
Mean 348.6
RMS 2.305
Total Energy(GeV)

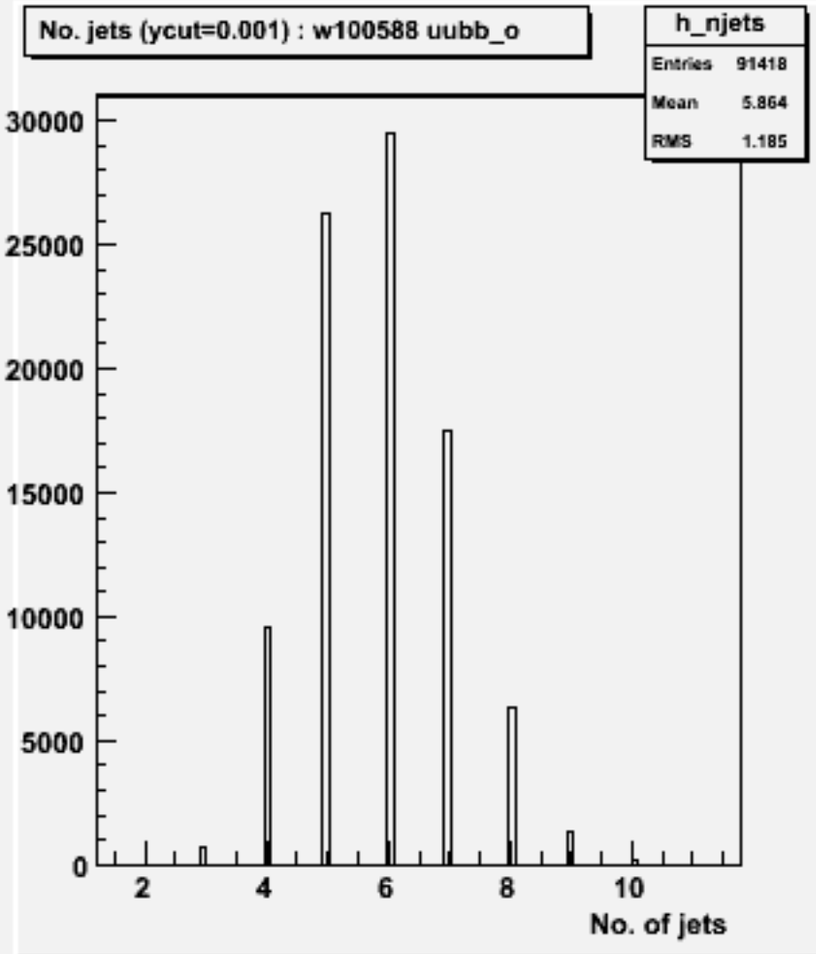

Total Energy (w/o ν): w100588 uubb_o
h_evis
Entries 91418
Mean 336.9
RMS 15.91
Energy(GeV)

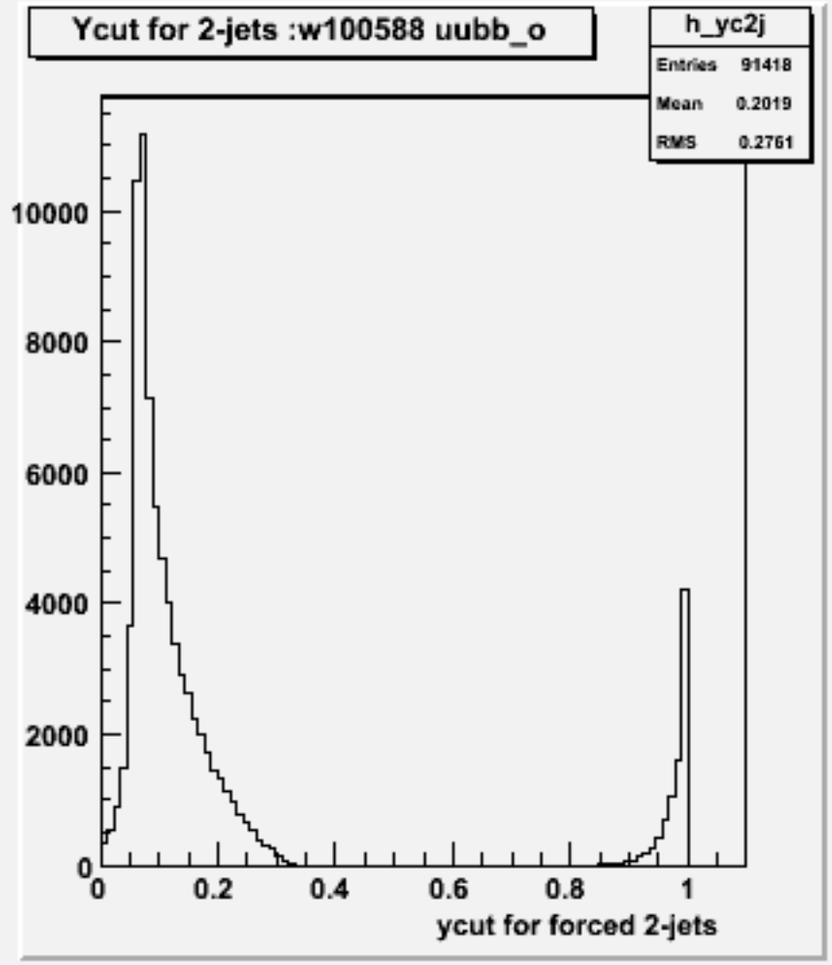

Pt Sum: w100588 uubb_o
h_pt
Entries 91418
Mean 5.889
RMS 9.073
Pt(sum) (GeV)

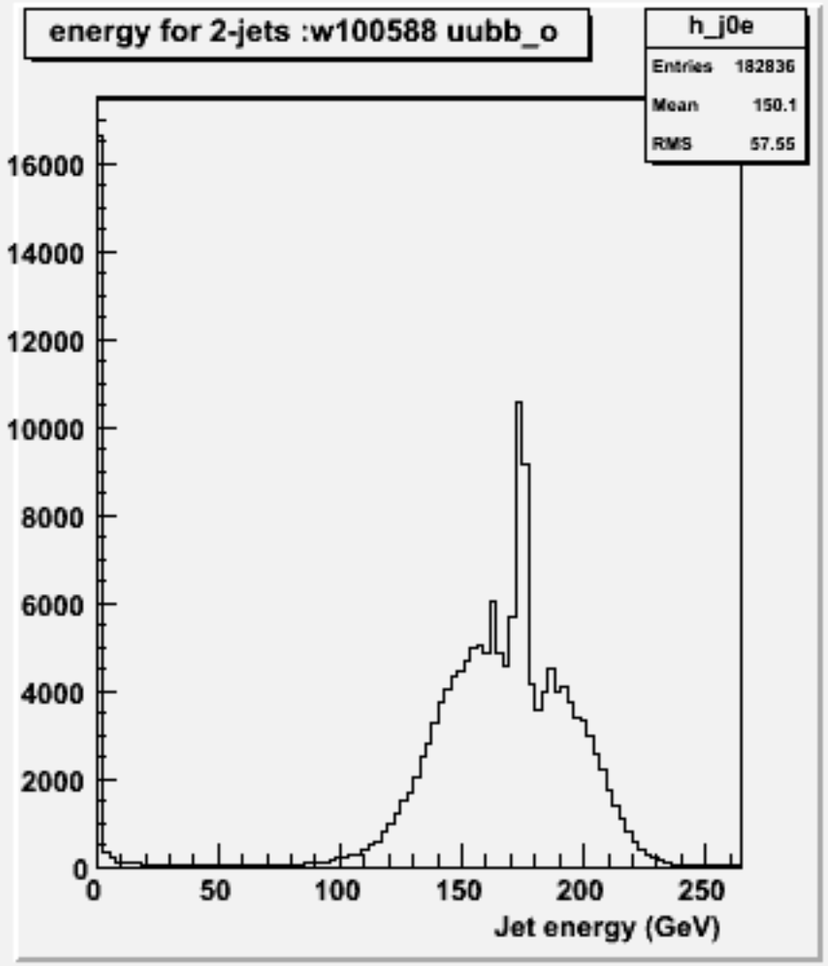

Pz Sum: w100588 uubb_o
h_pz
Entries 91418
Mean -0.03013
RMS 14.14
Pz(sum) (GeV)

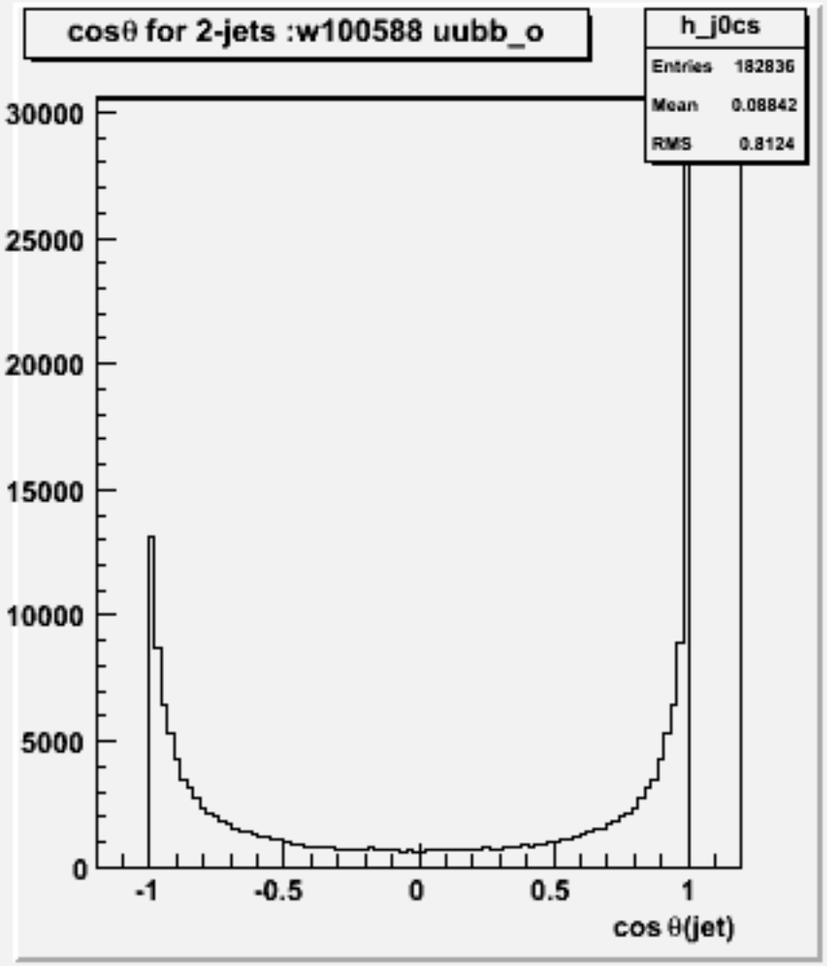

Thrust w100588 uubb_o
h_thrust
Entries 91418
Mean 0.8482
RMS 0.0647
Thrust

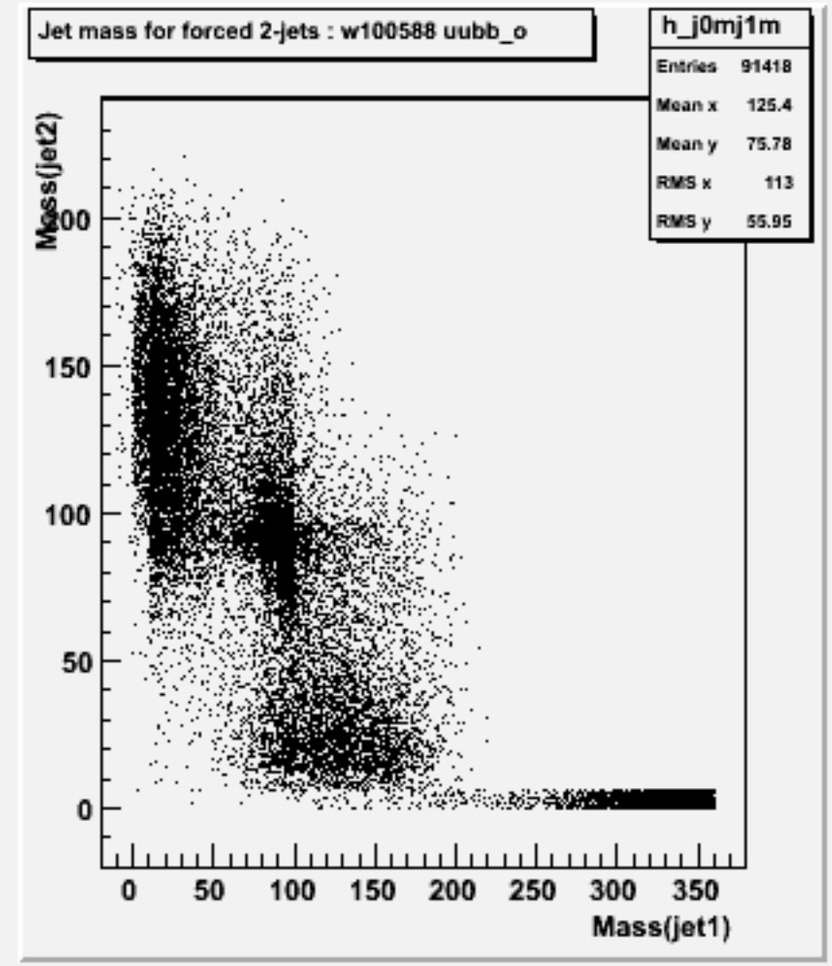

cosΘ(thrust) w100588 uubb_o
h_csth
Entries 91418
Mean 0.002822
RMS 0.7933
Thrust

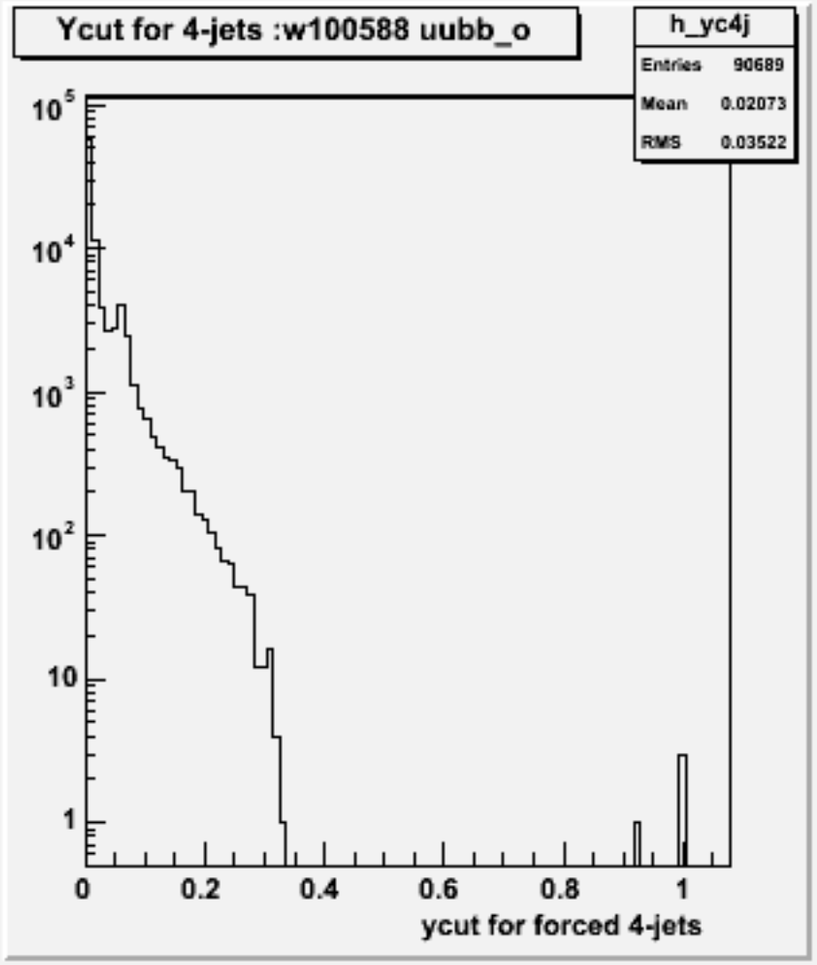

No. jets (ycut=0.001) : w100588 uubb_o
h_njets
Entries 91418
Mean 5.864
RMS 1.185
No. of jets

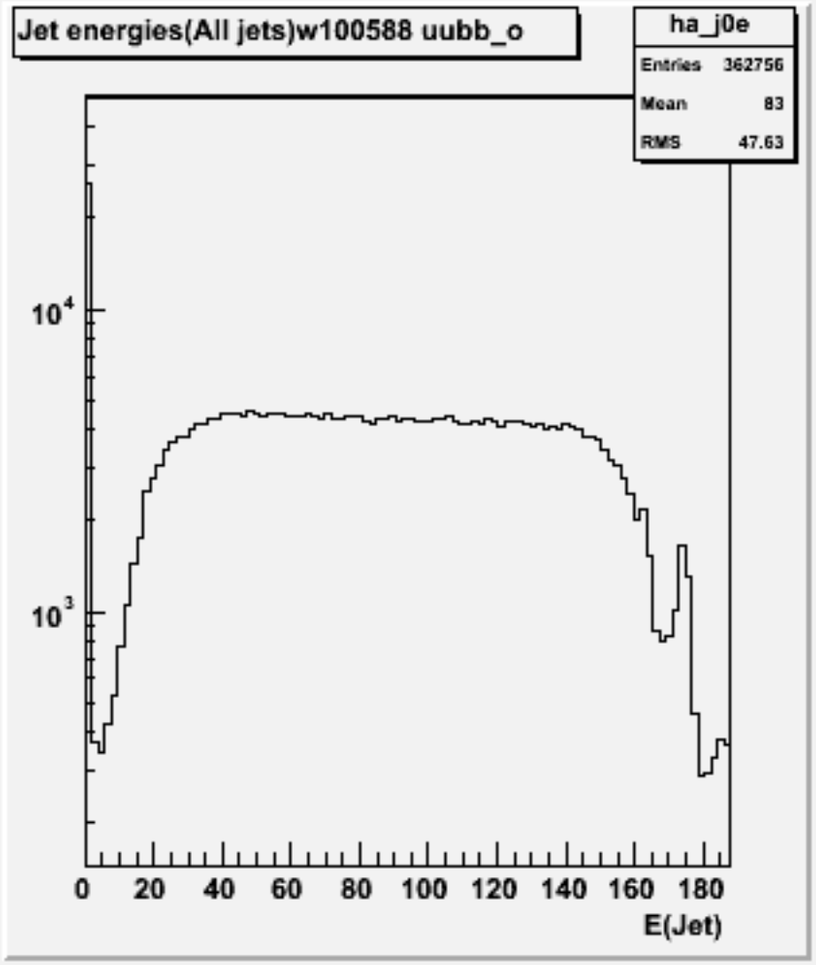

Ycut for 2-jets :w100588 uubb_o
h_yc2j
Entries 91418
Mean 0.2019
RMS 0.2761
ycut for forced 2-jets

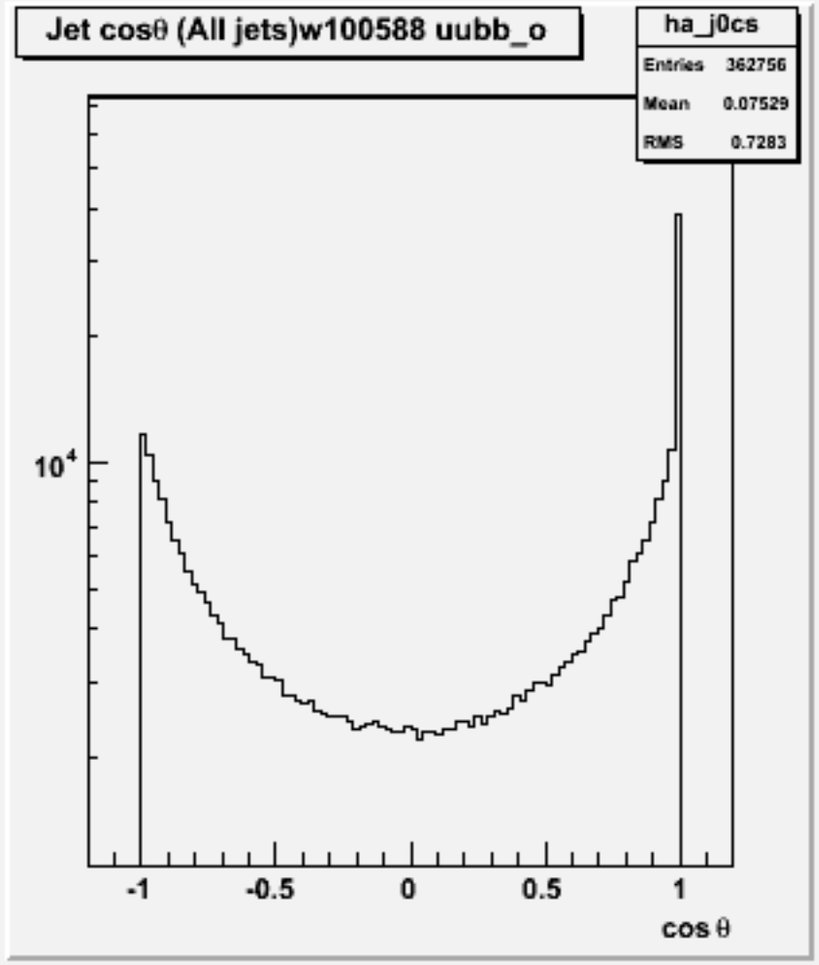

energy for 2-jets :w100588 uubb_o
h_j0e
Entries 182836
Mean 150.1
RMS 57.55
Jet energy (GeV)

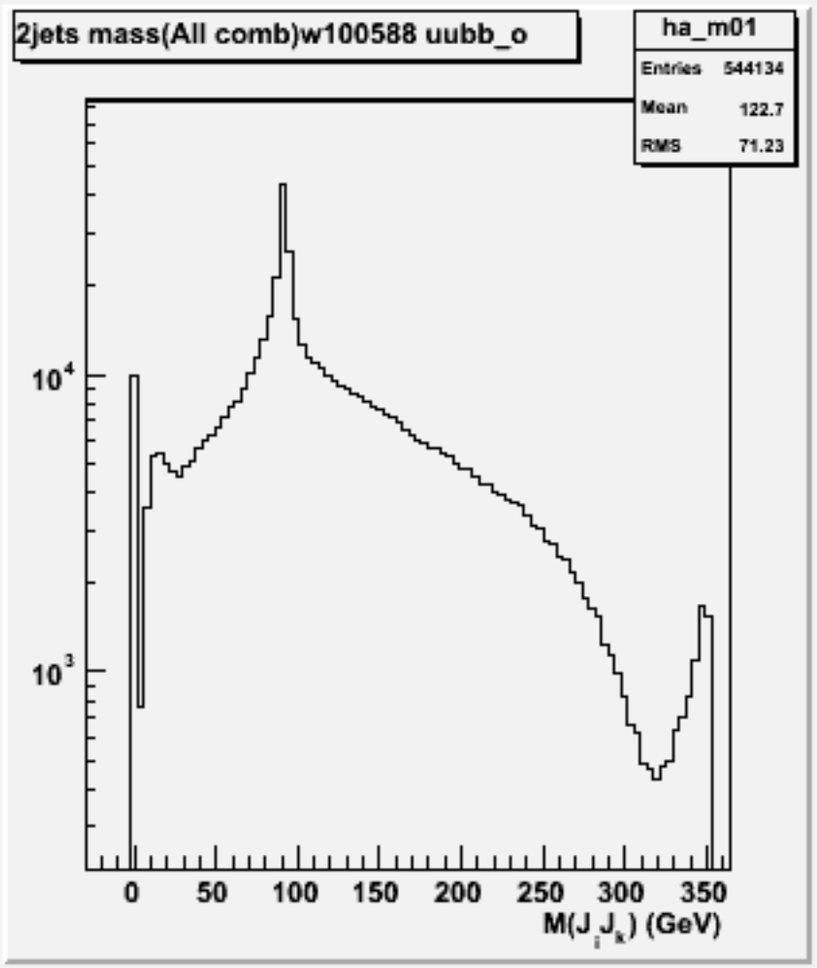

cosθ for 2-jets :w100588 uubb_o
h_j0cs
Entries 182836
Mean 0.08842
RMS 0.8124
cos θ(jet)

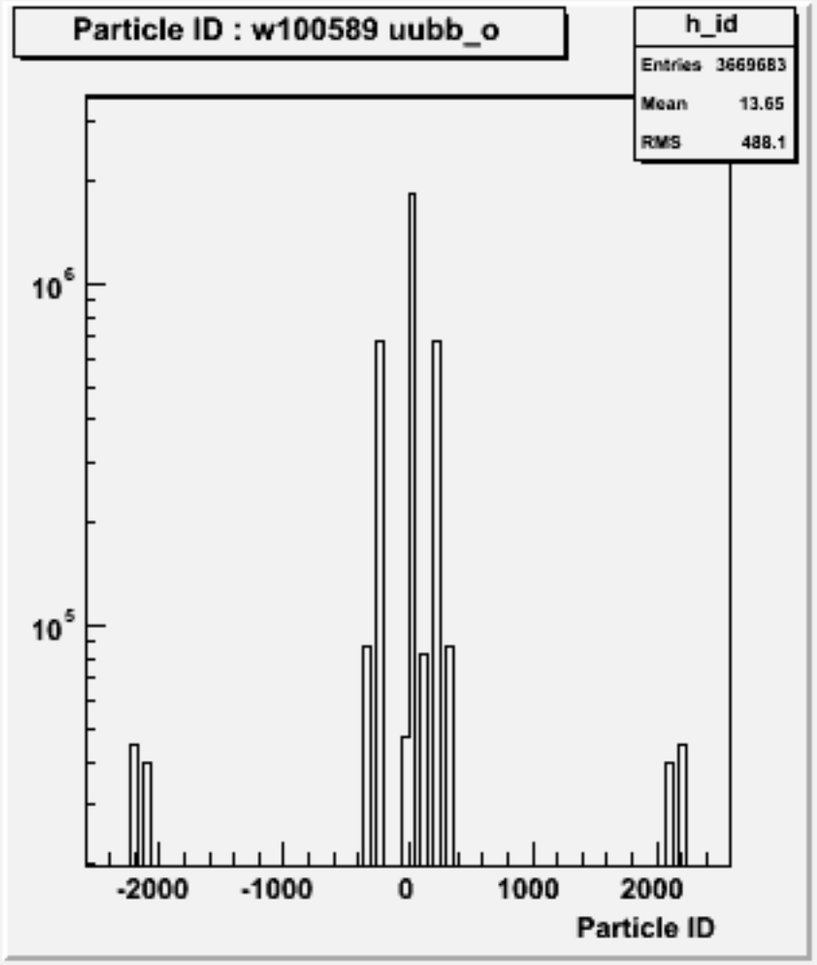

Jet mass for forced 2-jets : w100588 uubb_o
h_j0mj1m
Entries 91418
Mean x 125.4
Mean y 75.78
RMS x 113
RMS y 55.95
Mass(jet2)
Mass(jet1)

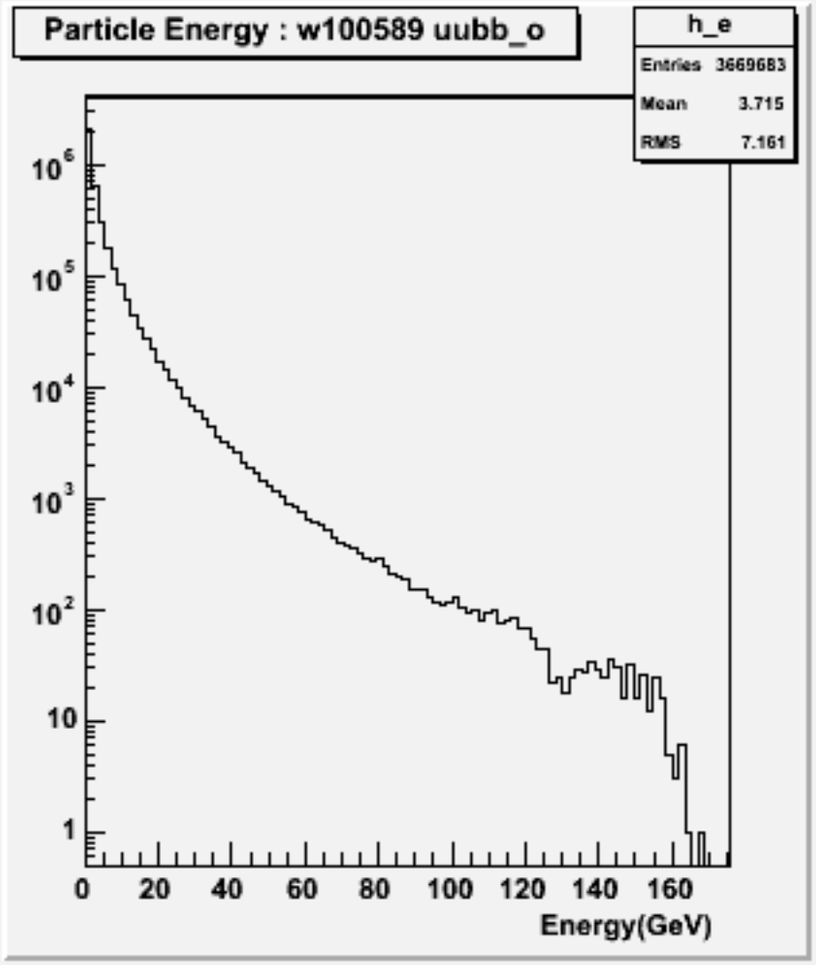

Ycut for 4-jets :w100588 uubb_o
h_yc4j
Entries 90689
Mean 0.02073
RMS 0.03522
ycut for forced 4-jets

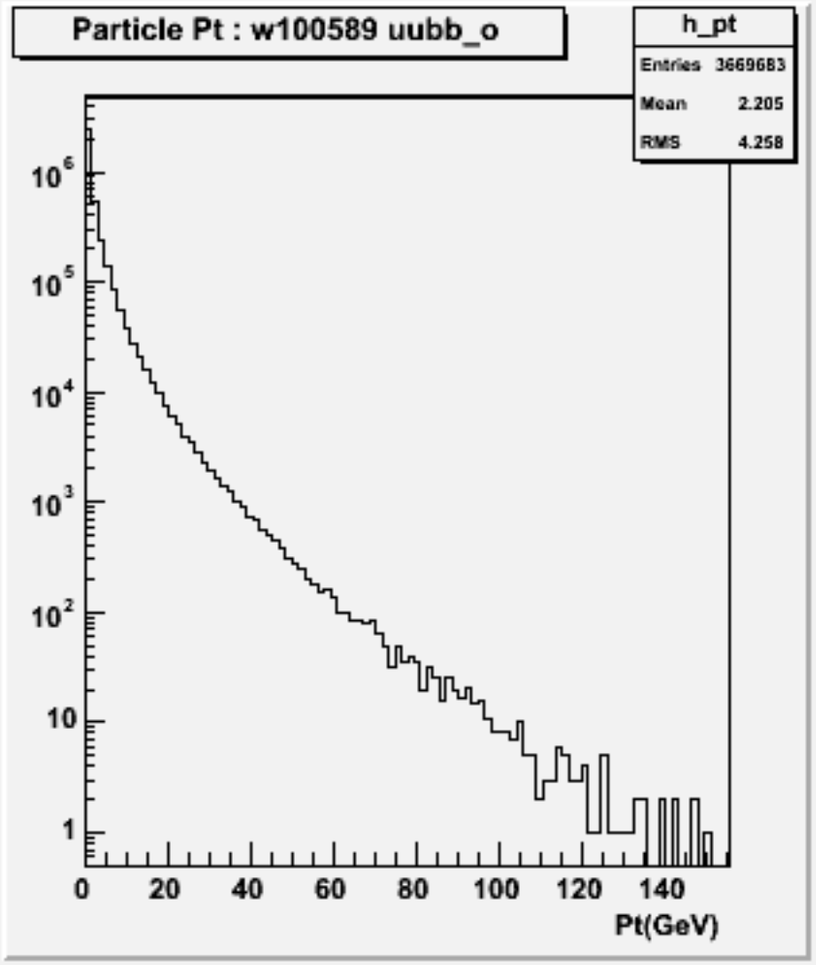

Jet energies(All jets)w100588 uubb_o
ha_j0e
Entries 362756
Mean 83
RMS 47.63
E(Jet)

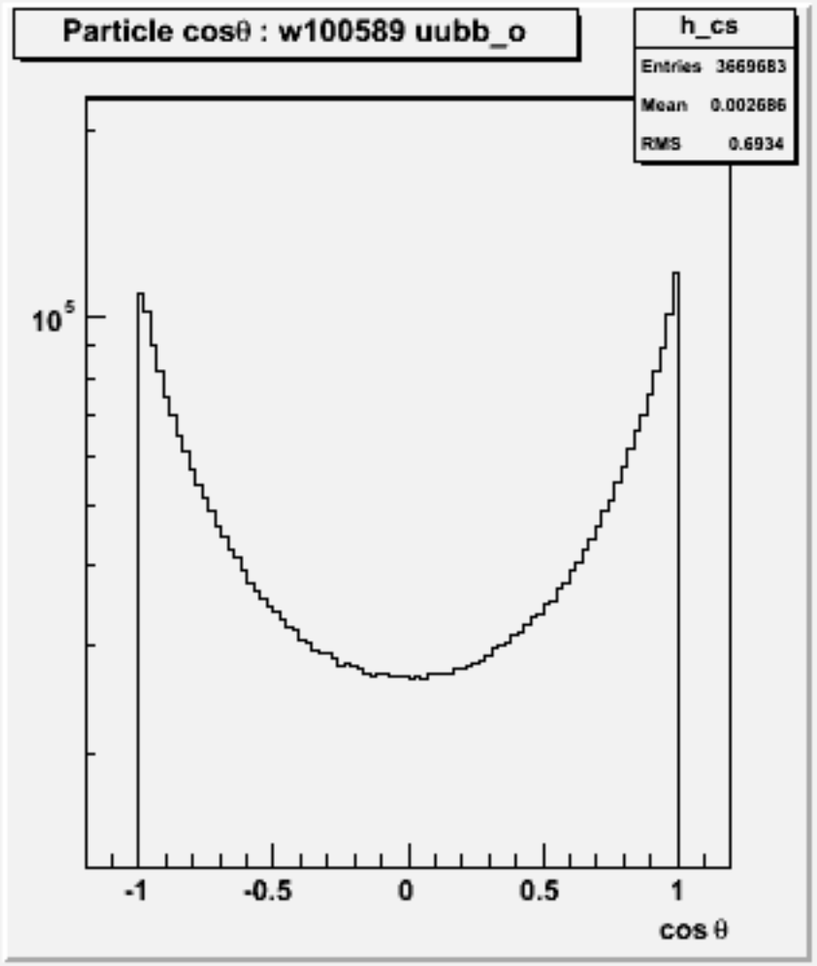

Jet cosθ (All jets)w100588 uubb_o
ha_j0cs
Entries 362756
Mean 0.07529
RMS 0.7283
cos θ

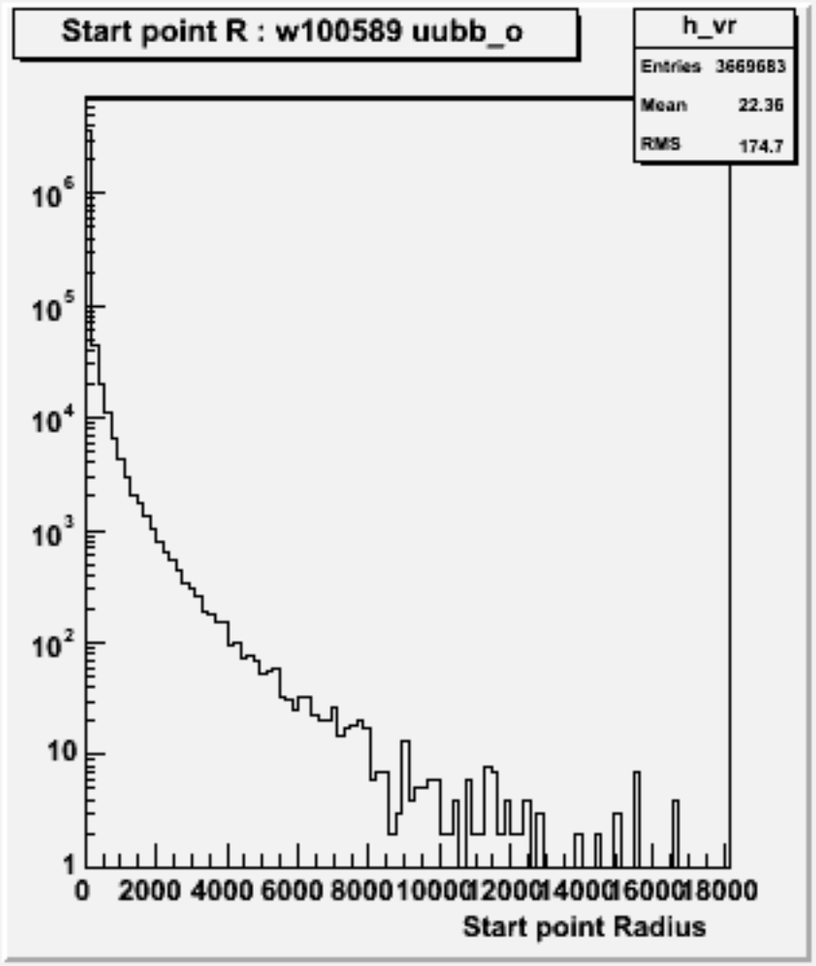

2jets mass(All comb)w100588 uubb_o
ha_m01
Entries 544134
Mean 122.7
RMS 71.23
M(J_iJ_k) (GeV)

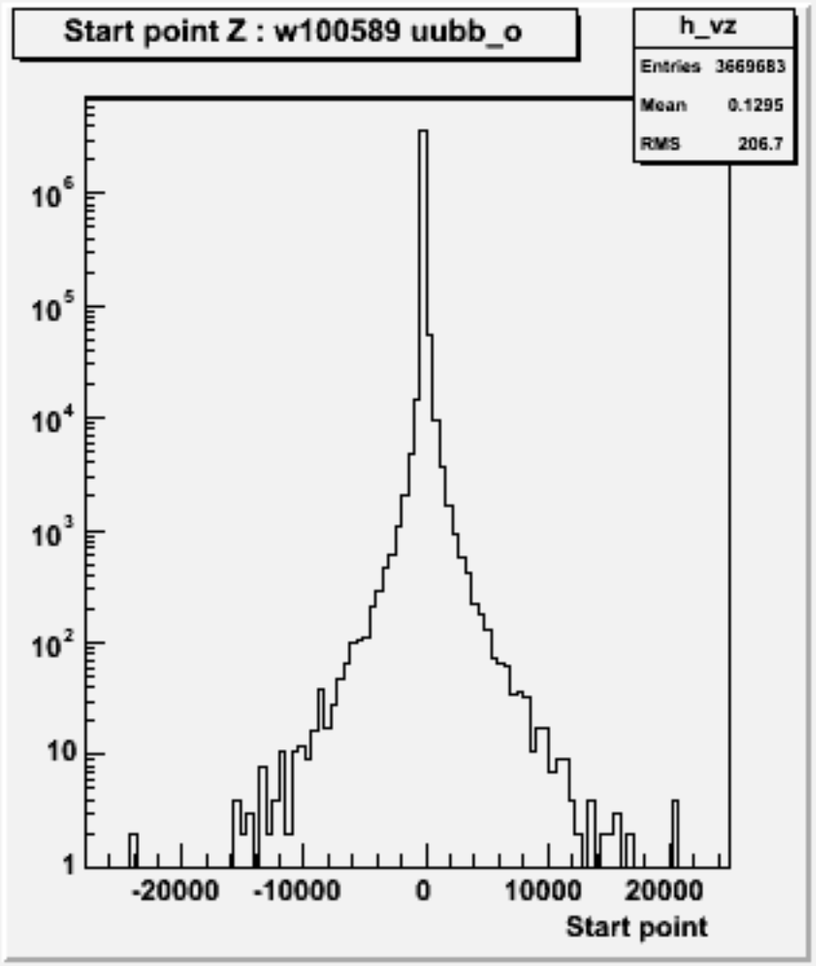

Particle ID : w100589 uubb_o
h_id
Entries 3669683
Mean 13.65
RMS 488.1
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

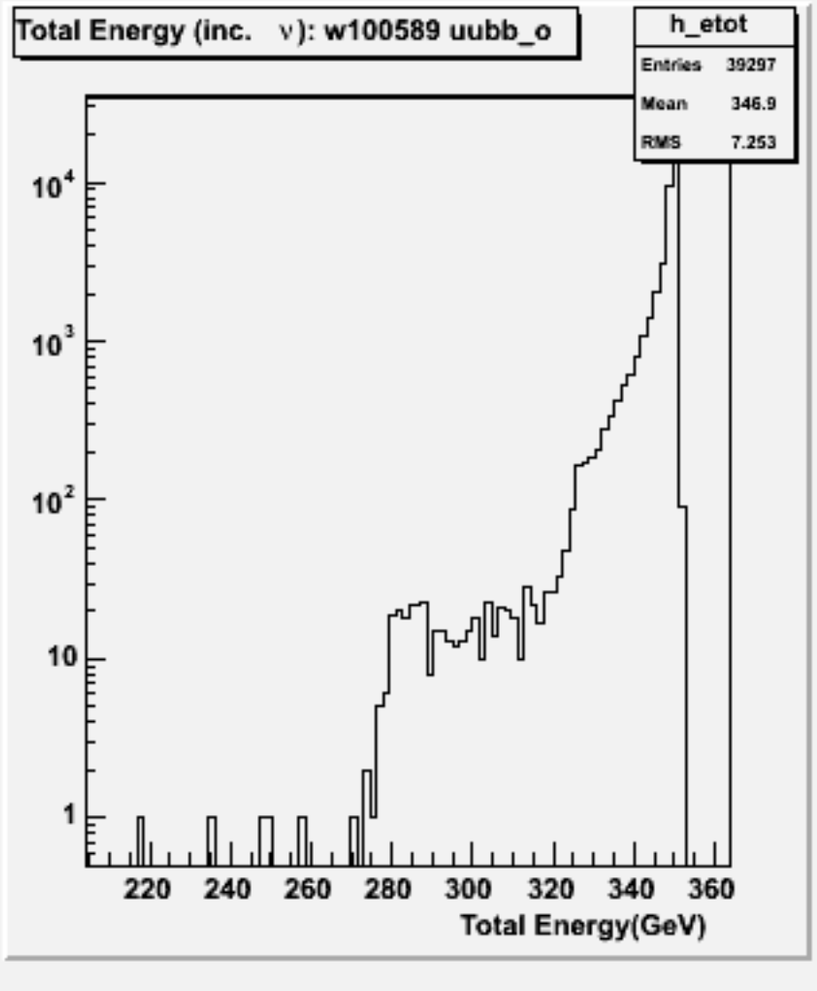

Particle Energy : w100589 uubb_o
h_e
Entries 3669683
Mean 3.715
RMS 7.161
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

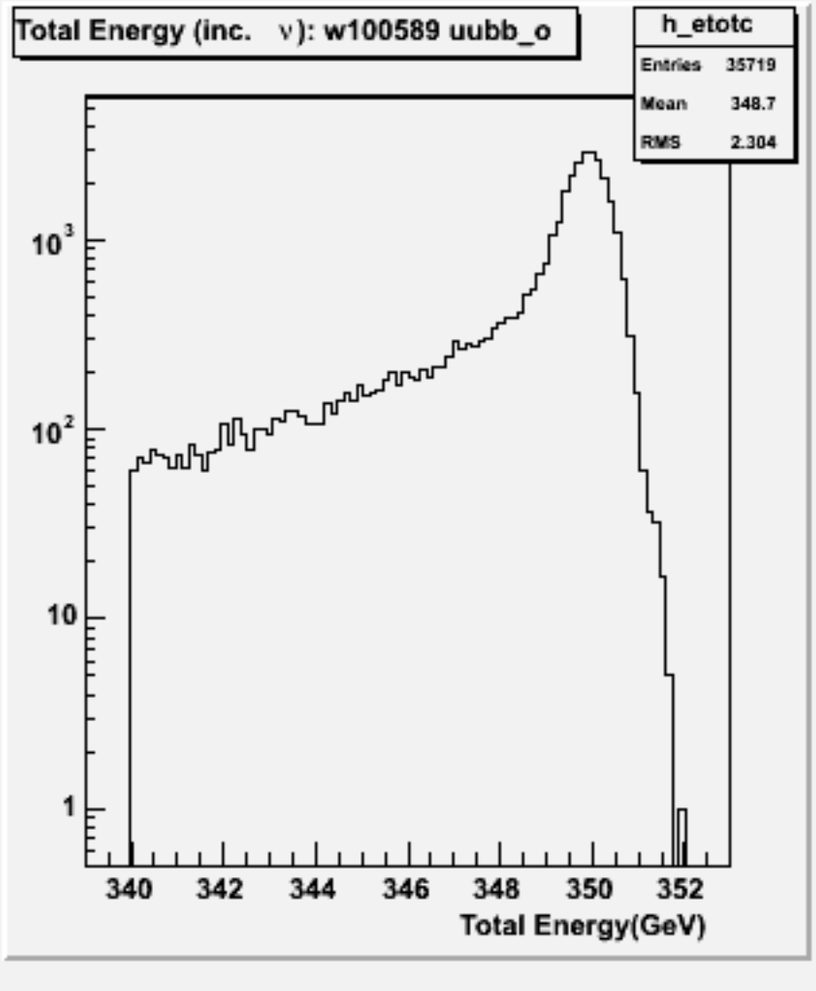

Particle Pt : w100589 uubb_o
h_pt
Entries 3669683
Mean 2.205
RMS 4.258
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
Pt(GeV)

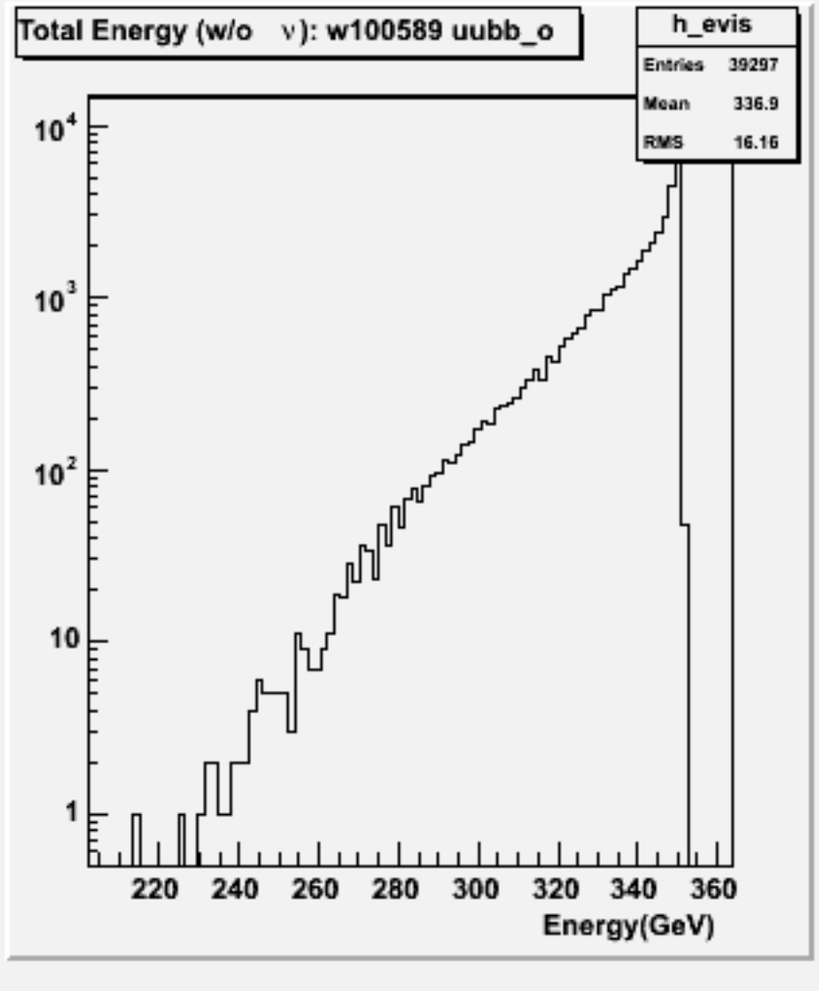

Particle cosθ : w100589 uubb_o
h_cs
Entries 3669683
Mean 0.002686
RMS 0.6934
10^5
-1
-0.5
0
0.5
1
cos θ

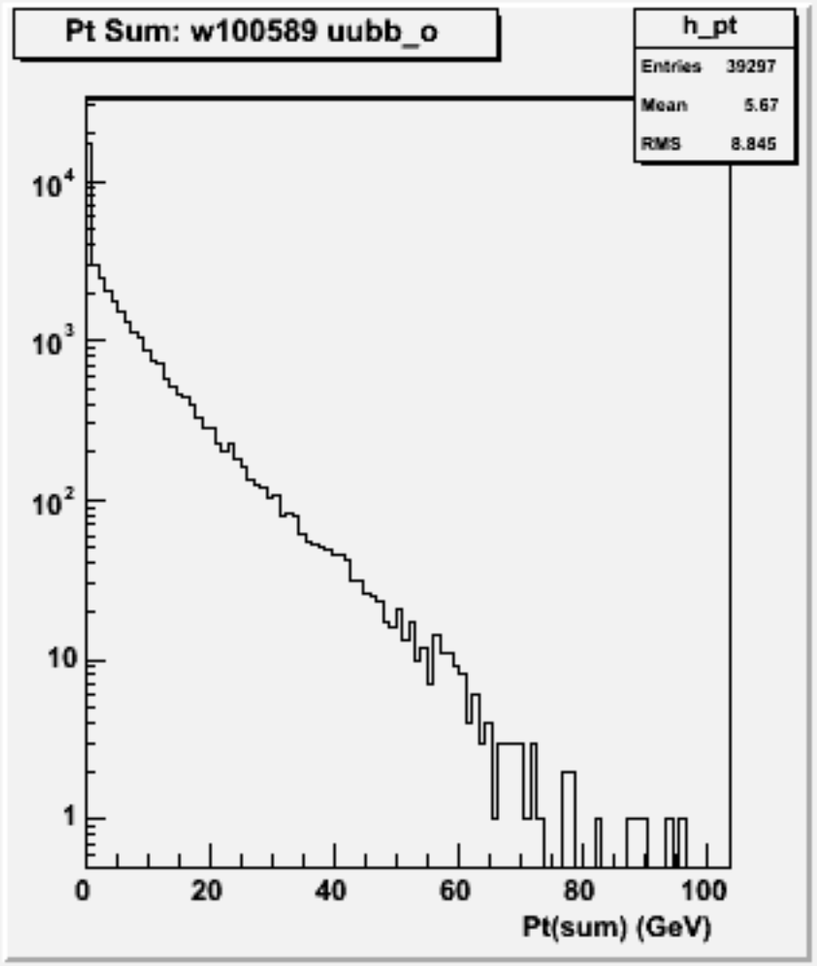

Start point R : w100589 uubb_o
h_vr
Entries 3669683
Mean 22.36
RMS 174.7
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
Start point Radius

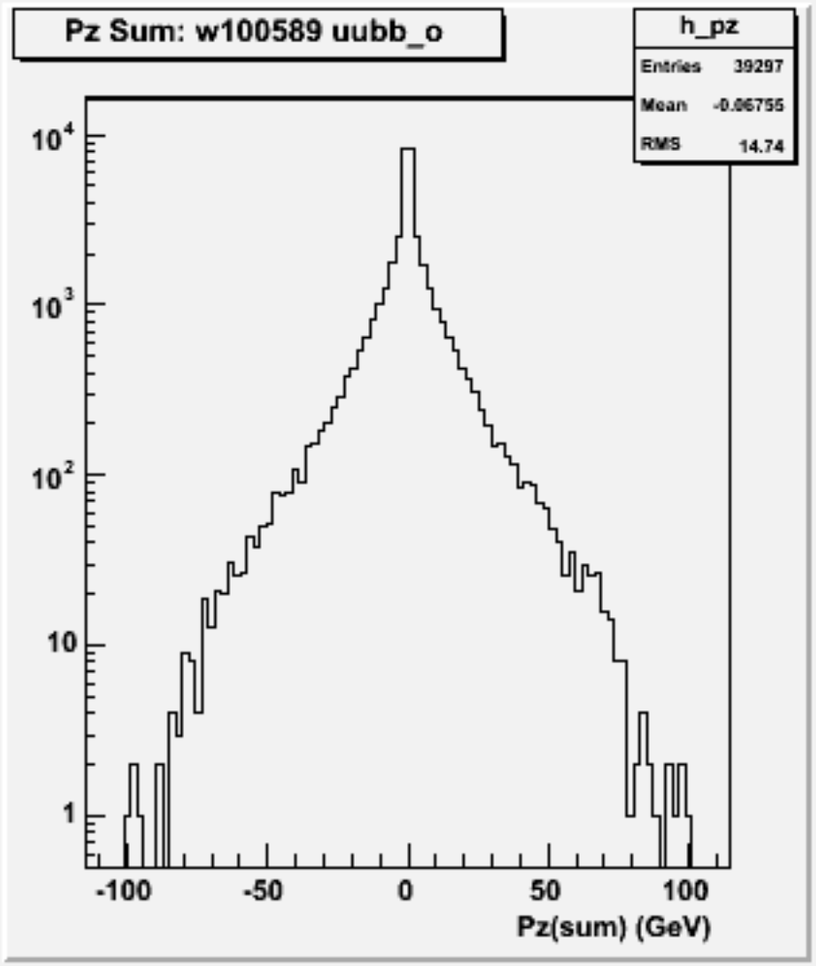

Start point Z : w100589 uubb_o
h_vz
Entries 3669683
Mean 0.1295
RMS 206.7
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
Start point

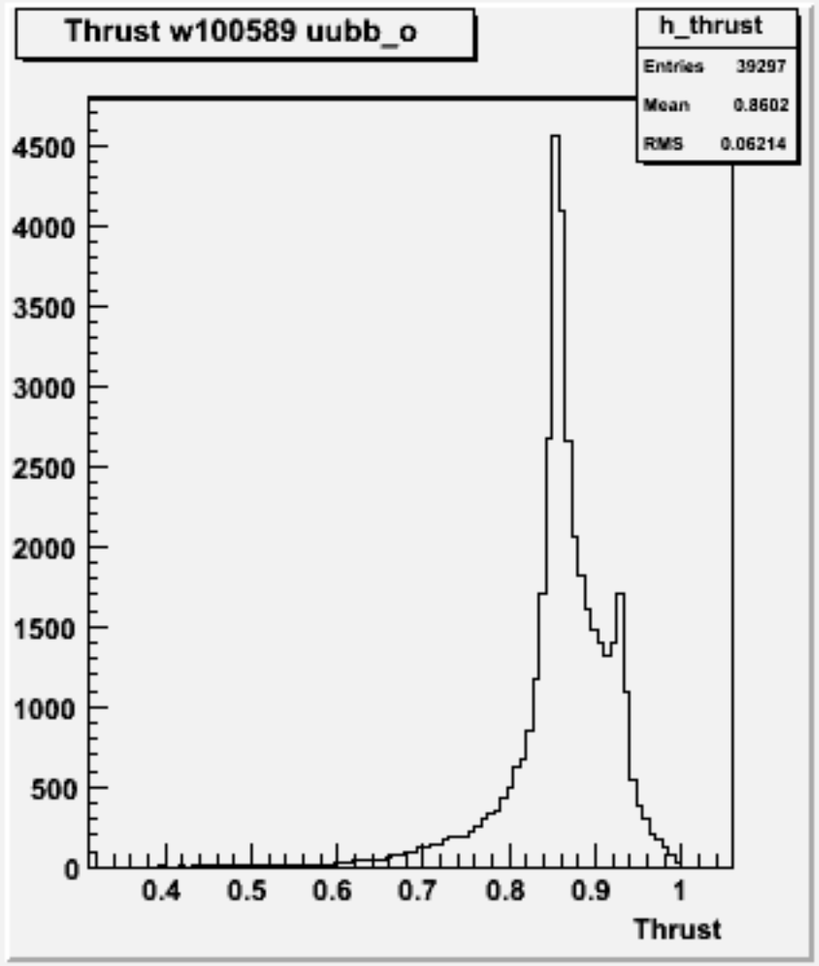

Total Energy (inc. ν): w100589 uubb_o
h_etot
Entries 39297
Mean 346.9
RMS 7.253
Total Energy(GeV)

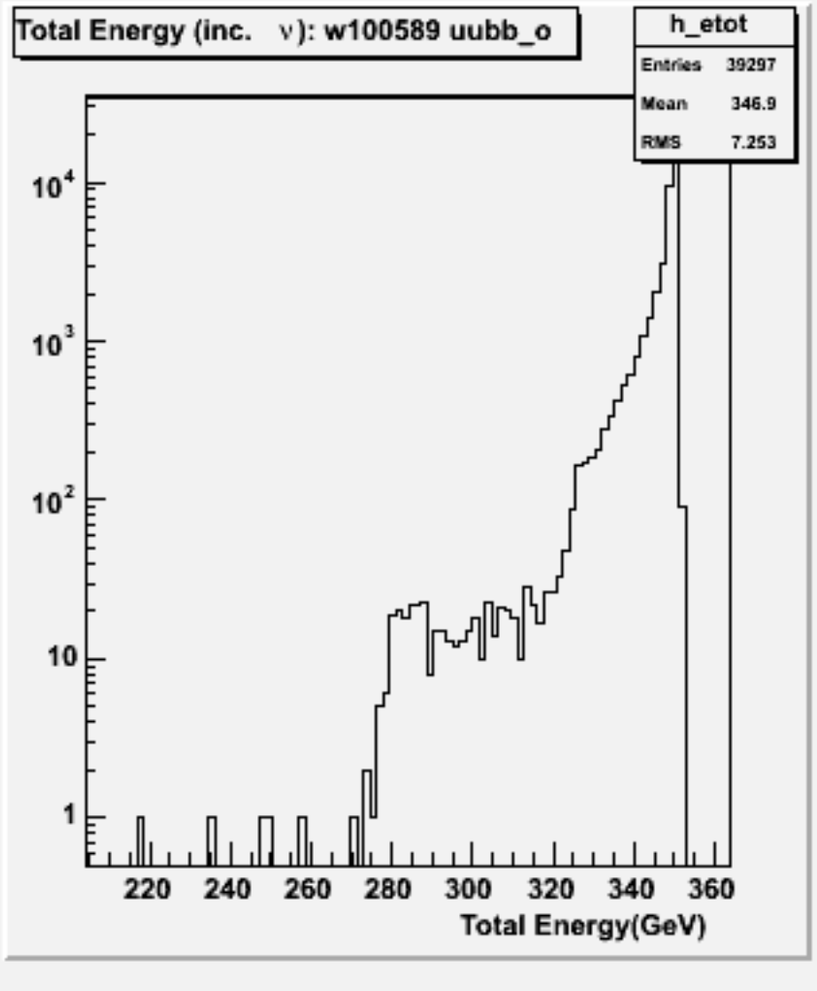

Total Energy (inc. ν): w100589 uubb_o
h_etotc
Entries 35719
Mean 348.7
RMS 2.304
Total Energy(GeV)

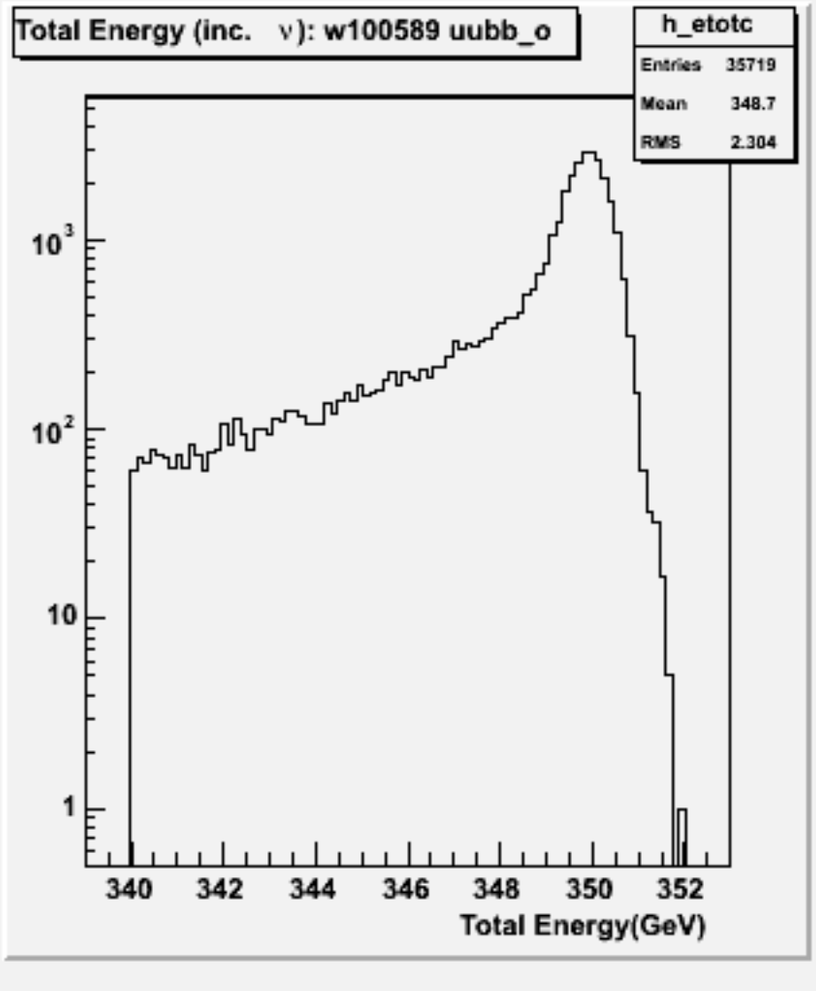

Total Energy (w/o ν): w100589 uubb_o
h_evis
Entries 39297
Mean 336.9
RMS 16.16
Energy(GeV)

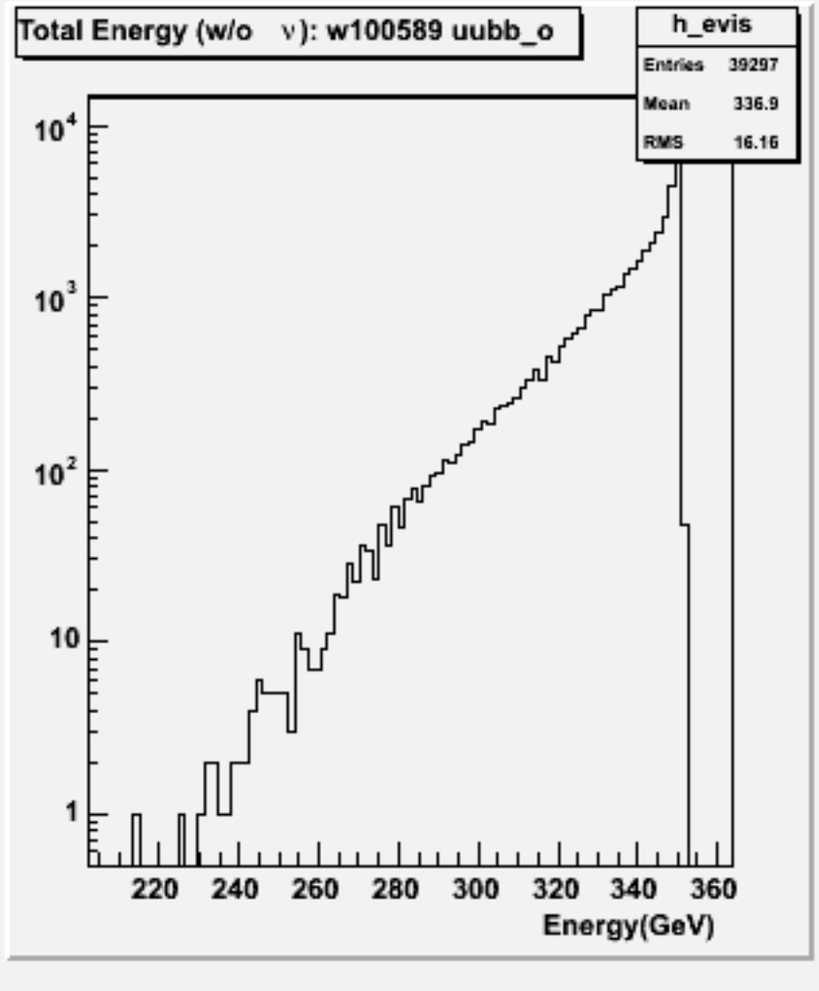

Pt Sum: w100589 uubb_o
h_pt
Entries 39297
Mean 5.67
RMS 8.845
Pt(sum) (GeV)

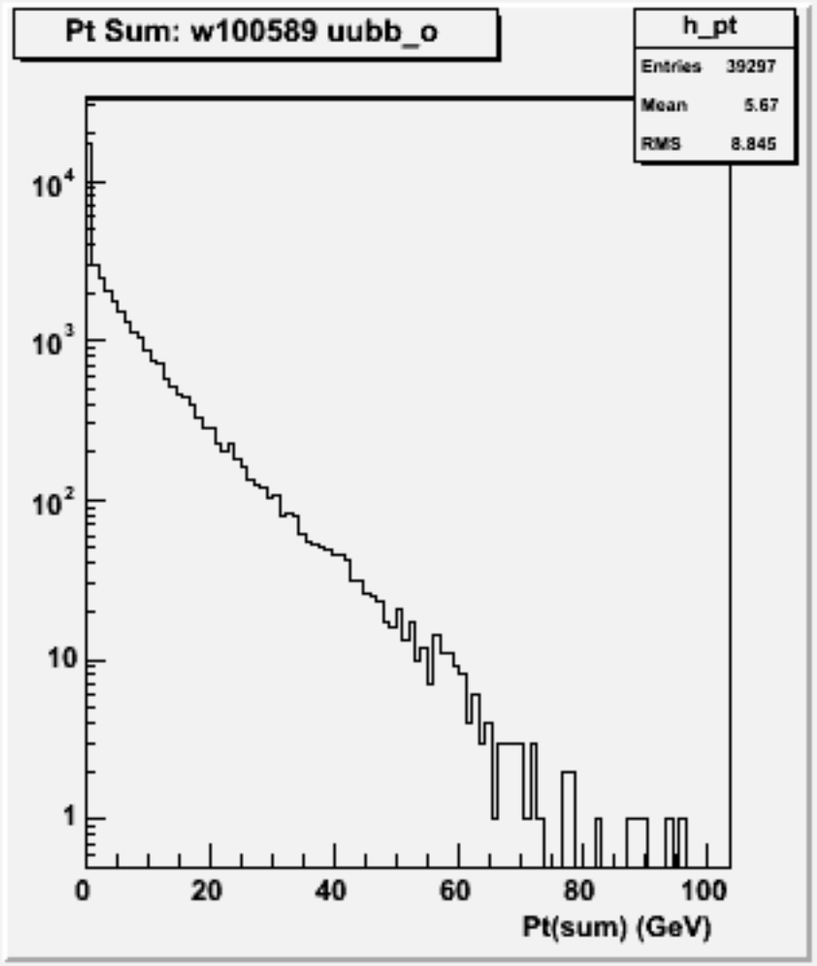

Pz Sum: w100589 uubb_o
h_pz
Entries 39297
Mean -0.06755
RMS 14.74
Pz(sum) (GeV)

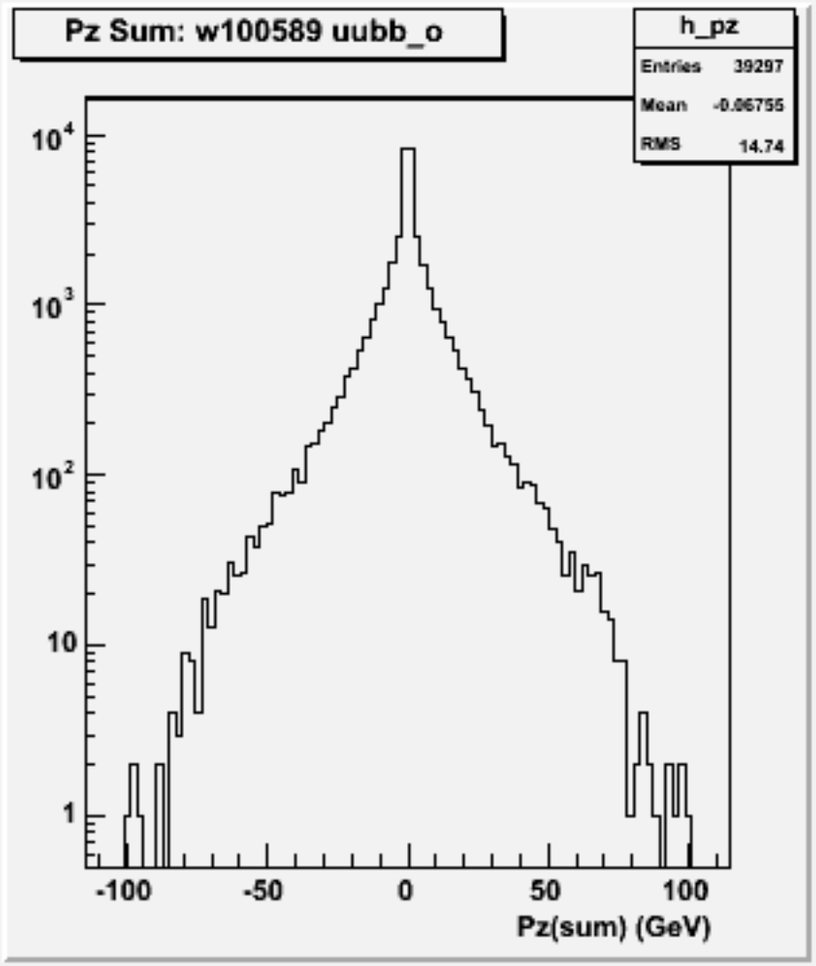

Thrust w100589 uubb_o
h_thrust
Entries 39297
Mean 0.8602
RMS 0.06214
Thrust

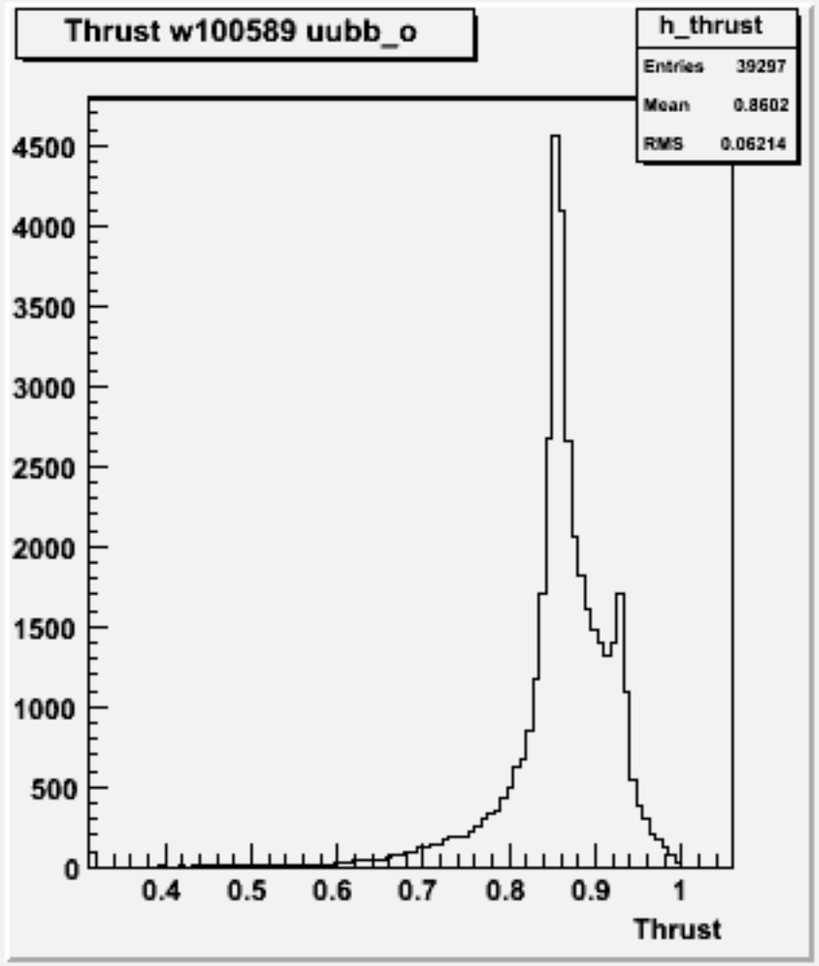

Total Energy (inc. ν): w100589 uubb_o
h_etot
Entries 39297
Mean 346.9
RMS 7.253
Total Energy(GeV)

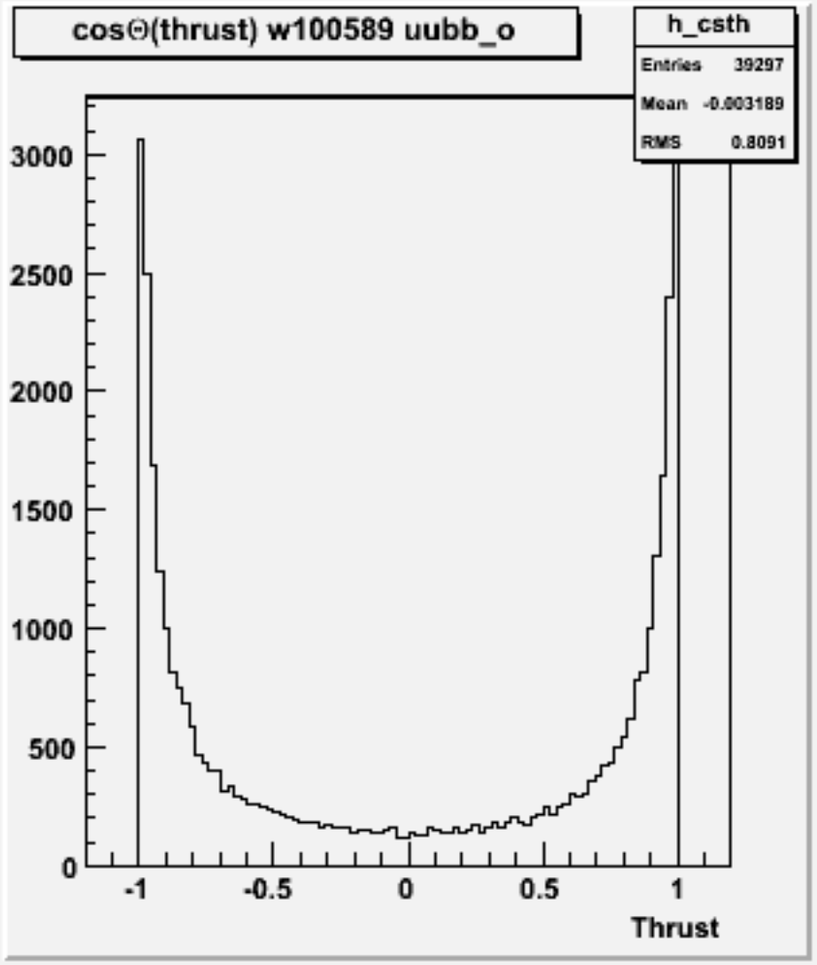

Total Energy (inc. ν): w100589 uubb_o
h_etotc
Entries 35719
Mean 348.7
RMS 2.304
Total Energy(GeV)

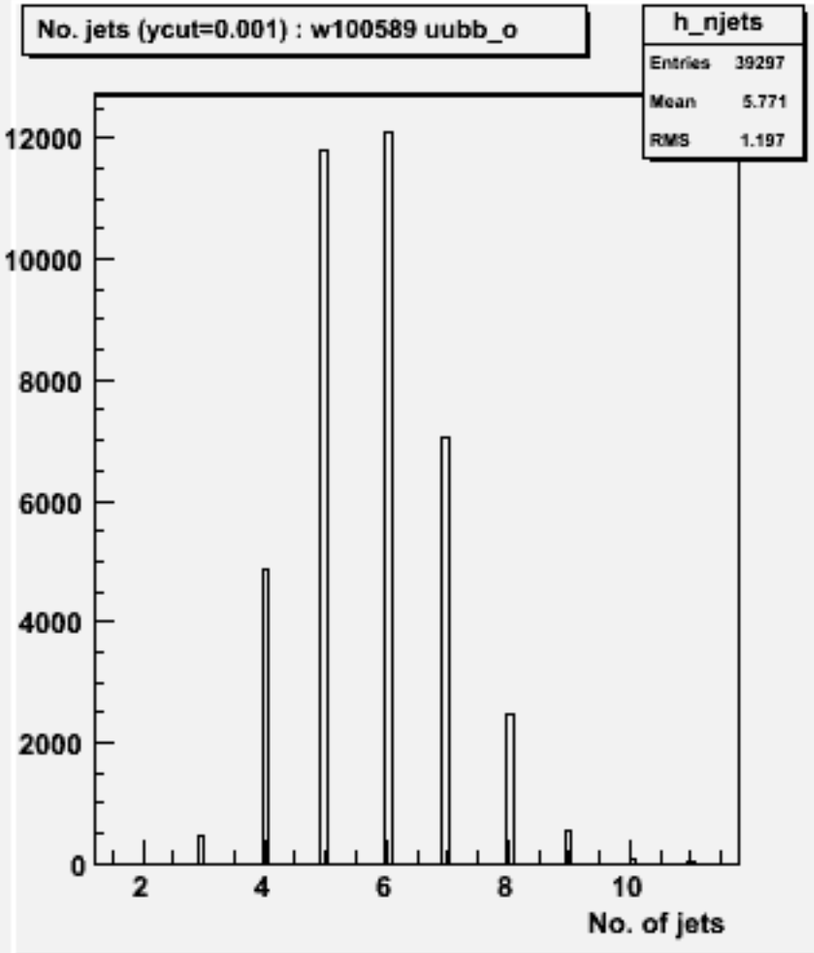

Total Energy (w/o ν): w100589 uubb_o
h_evis
Entries 39297
Mean 336.9
RMS 16.16
Energy(GeV)

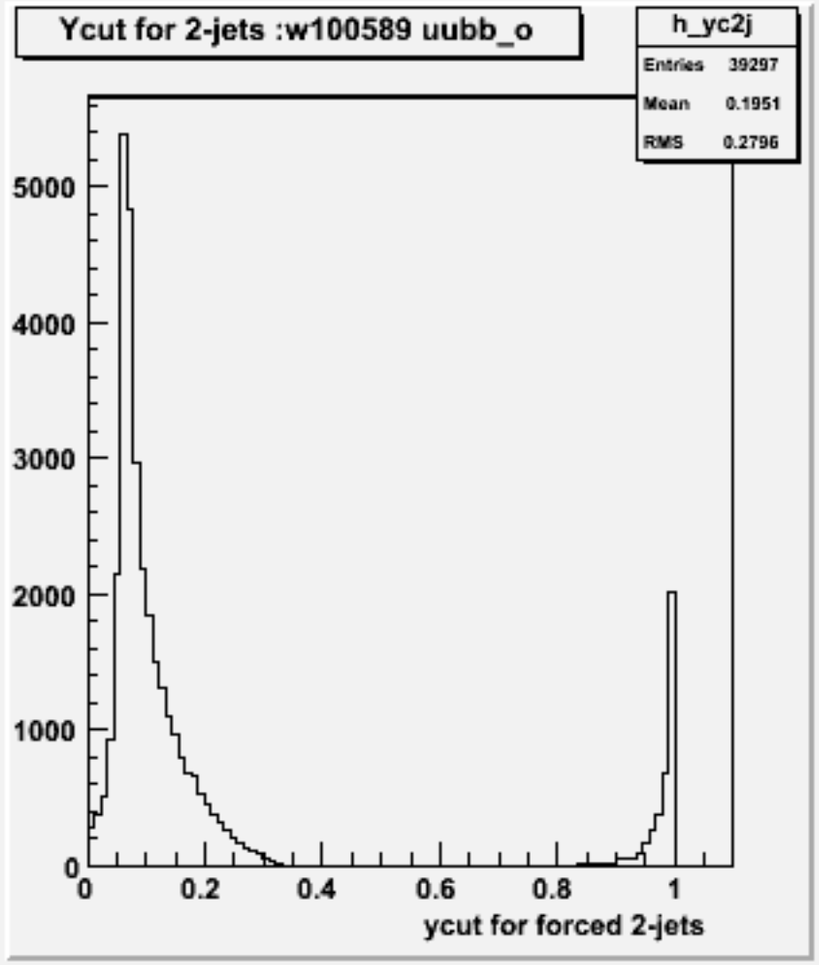

Pt Sum: w100589 uubb_o
h_pt
Entries 39297
Mean 5.67
RMS 8.845
Pt(sum) (GeV)

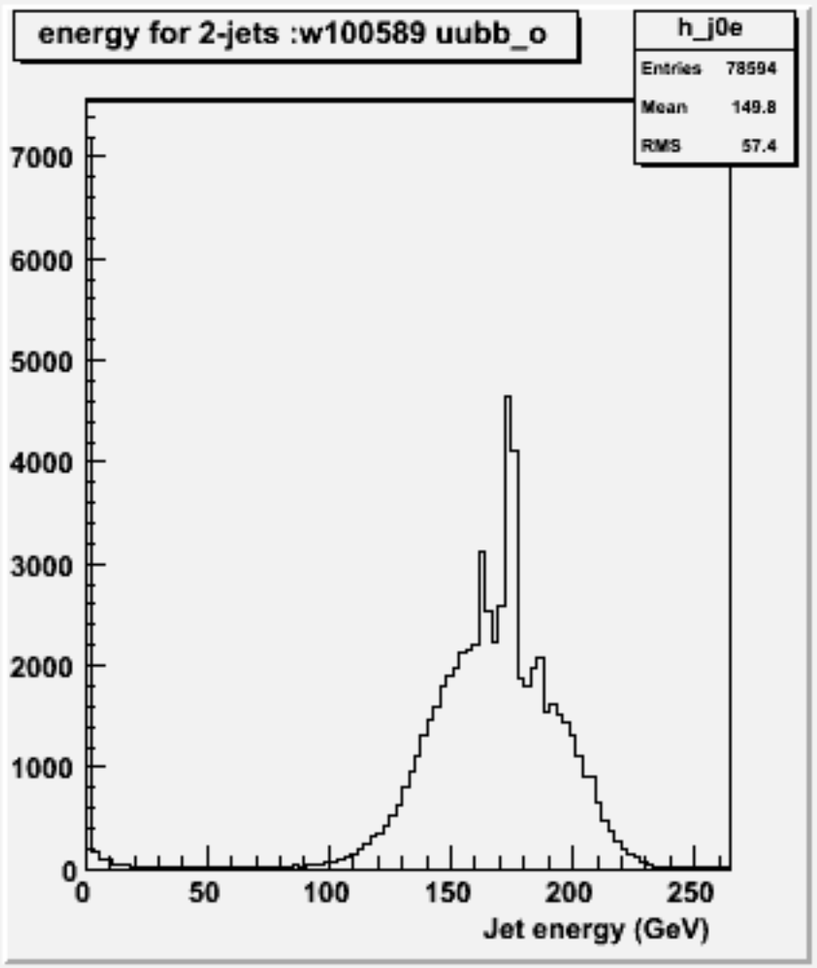

Pz Sum: w100589 uubb_o
h_pz
Entries 39297
Mean -0.06755
RMS 14.74
Pz(sum) (GeV)

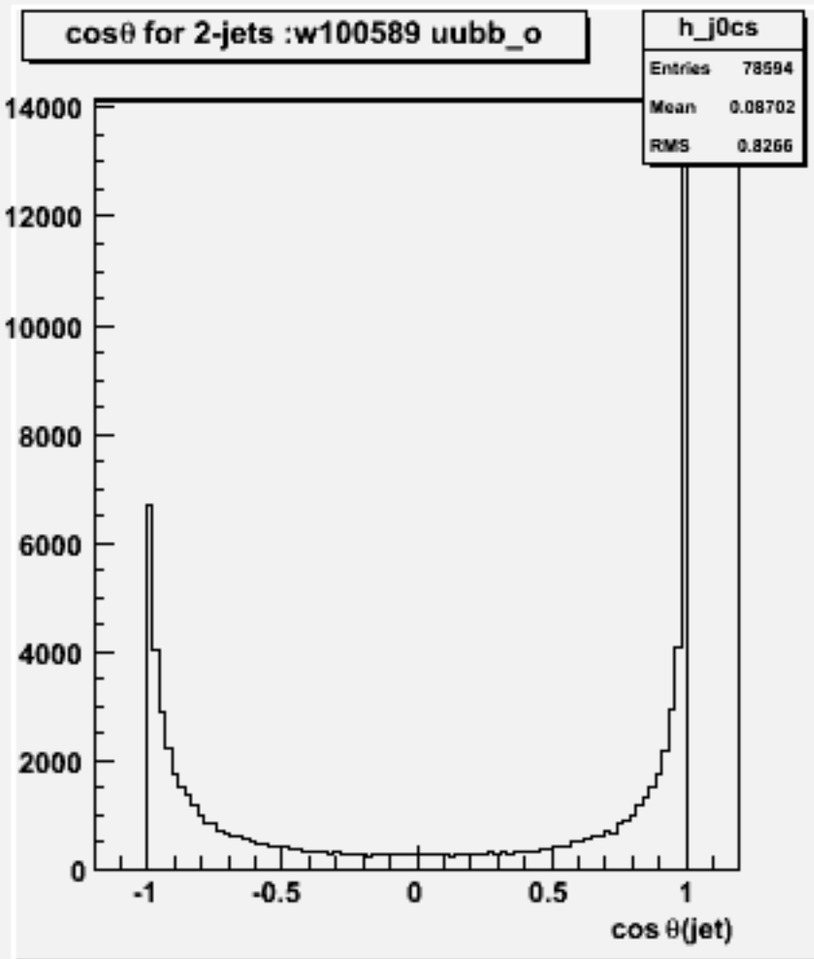

Thrust w100589 uubb_o
h_thrust
Entries 39297
Mean 0.8602
RMS 0.06214
Thrust

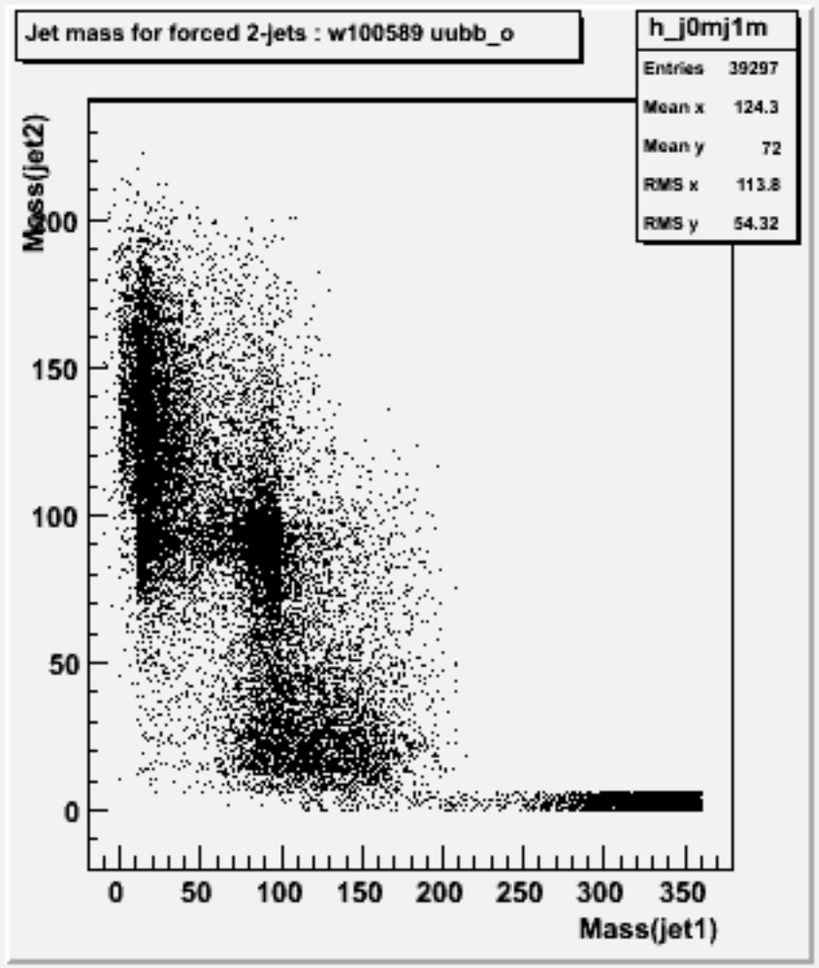

cosΘ(thrust) w100589 uubb_o
h_csth
Entries 39297
Mean -0.003189
RMS 0.8091
Thrust

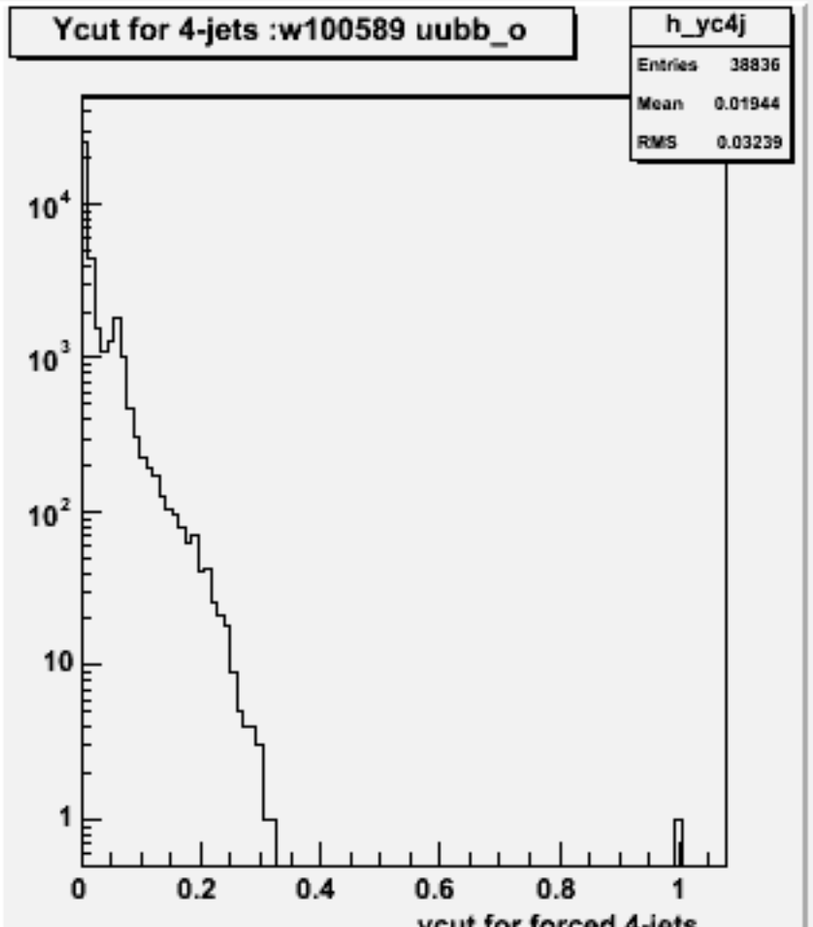

No. jets (ycut=0.001) : w100589 uubb_o
h_njets
Entries 39297
Mean 5.771
RMS 1.197
No. of jets

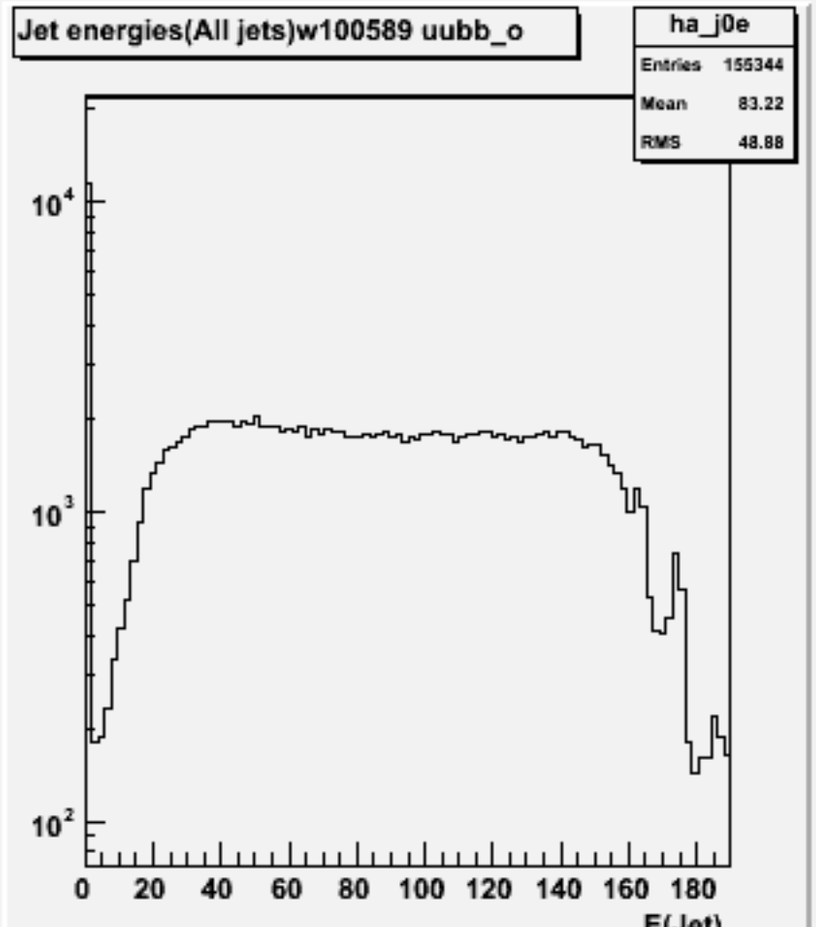

Ycut for 2-jets :w100589 uubb_o
h_yc2j
Entries 39297
Mean 0.1951
RMS 0.2796
ycut for forced 2-jets

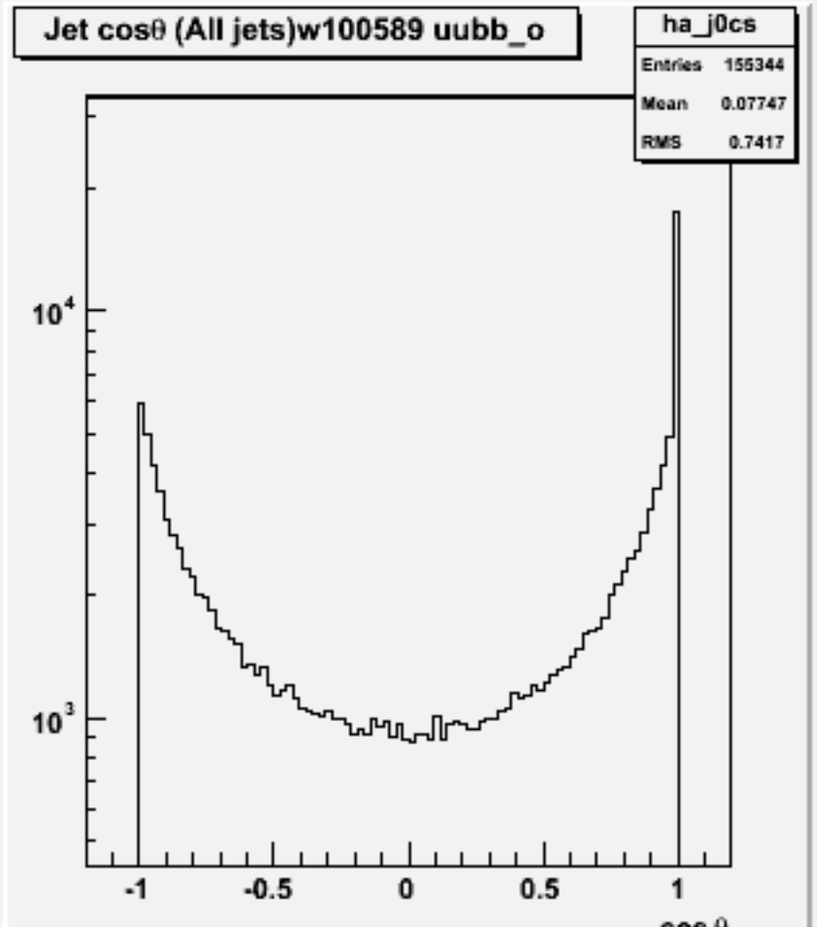

energy for 2-jets :w100589 uubb_o
h_j0e
Entries 78594
Mean 149.8
RMS 57.4
Jet energy (GeV)

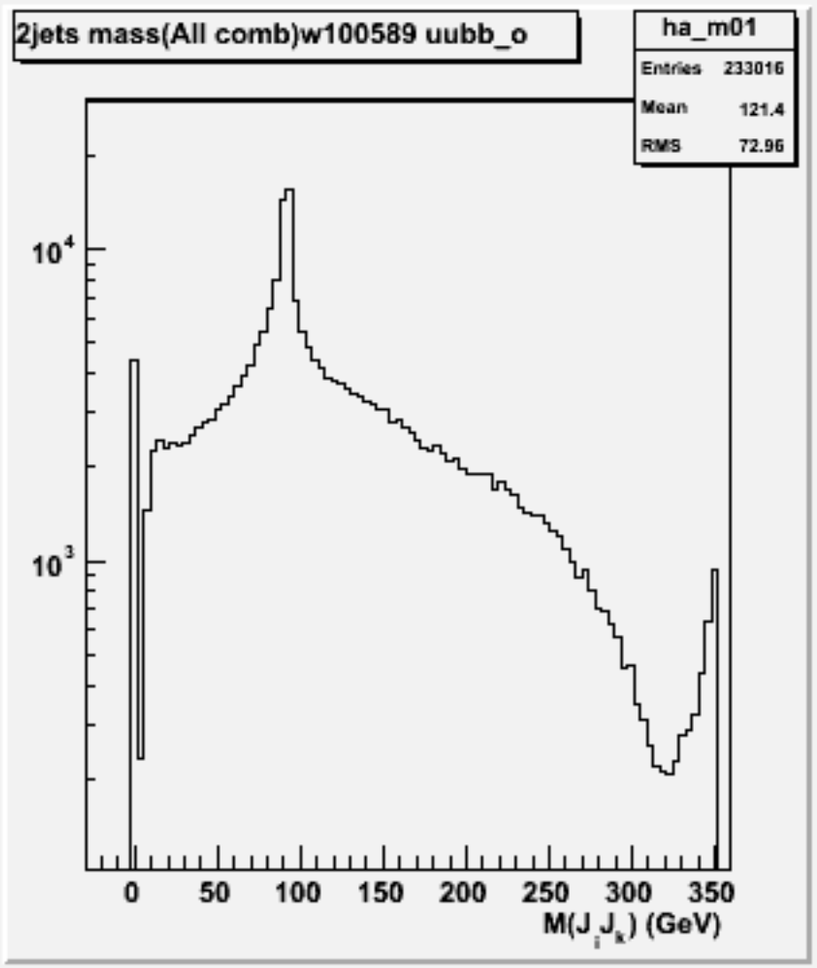

cosθ for 2-jets :w100589 uubb_o
h_j0cs
Entries 78594
Mean 0.08702
RMS 0.8266
cos θ(jet)

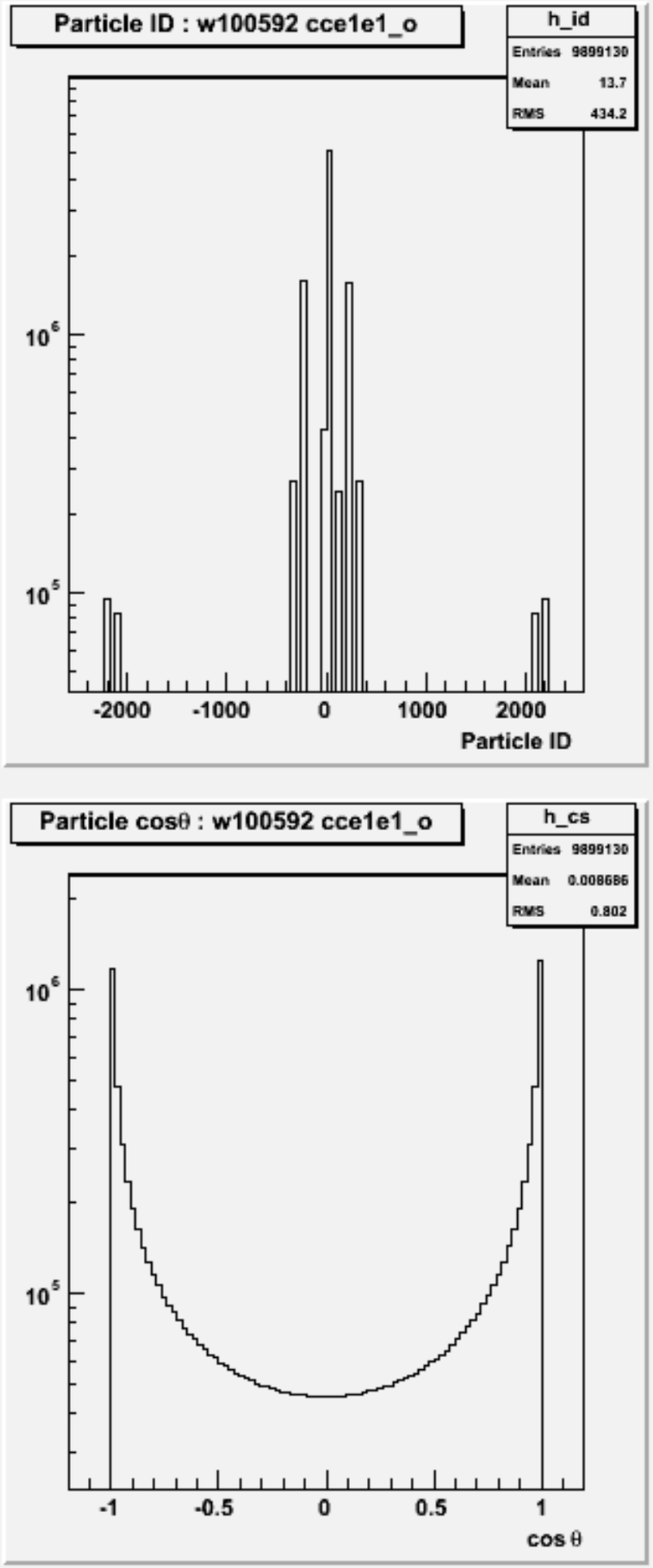

Jet mass for forced 2-jets : w100589 uubb_o
h_j0mj1m
Entries 39297
Mean x 124.3
Mean y 72
RMS x 113.8
RMS y 54.32
Mass(jet2)
Mass(jet1)

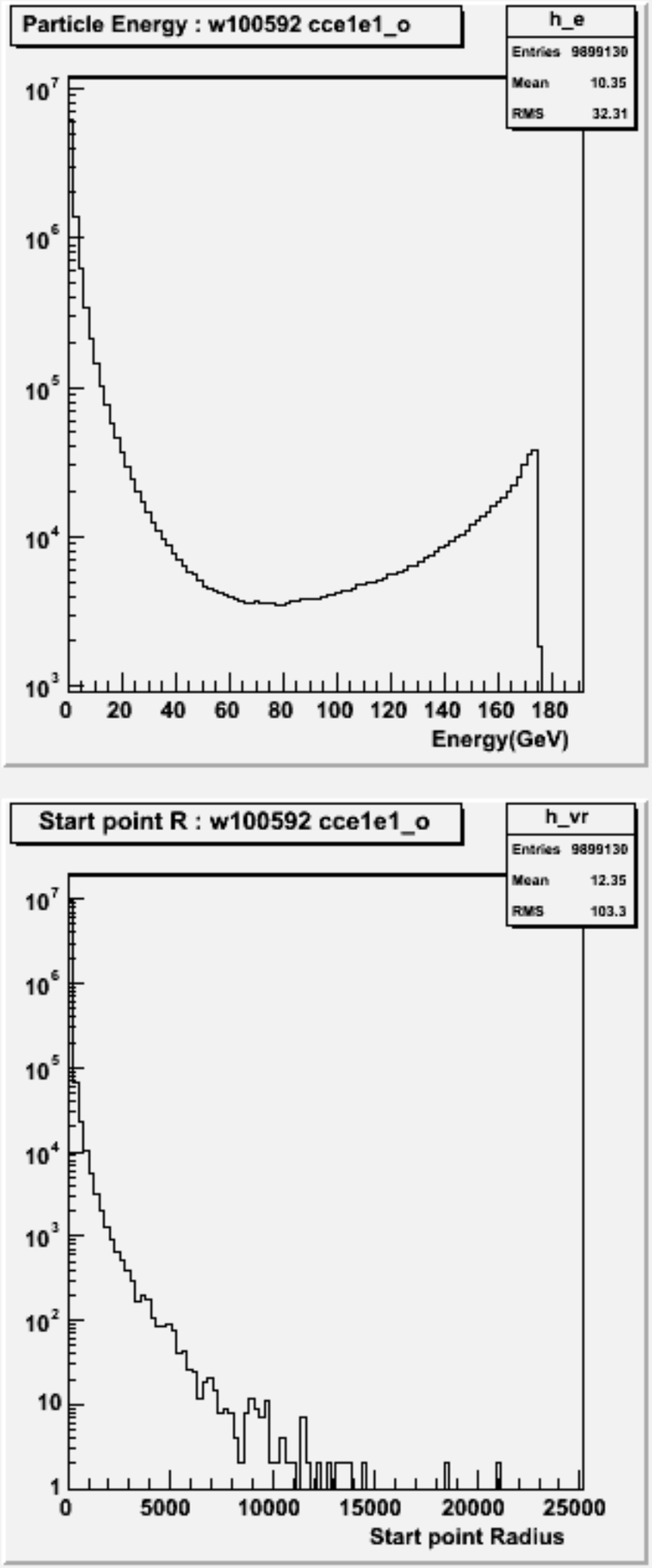

Ycut for 4-jets :w100589 uubb_o
h_yc4j
Entries 38836
Mean 0.01944
RMS 0.03239
ycut for forced 4-jets

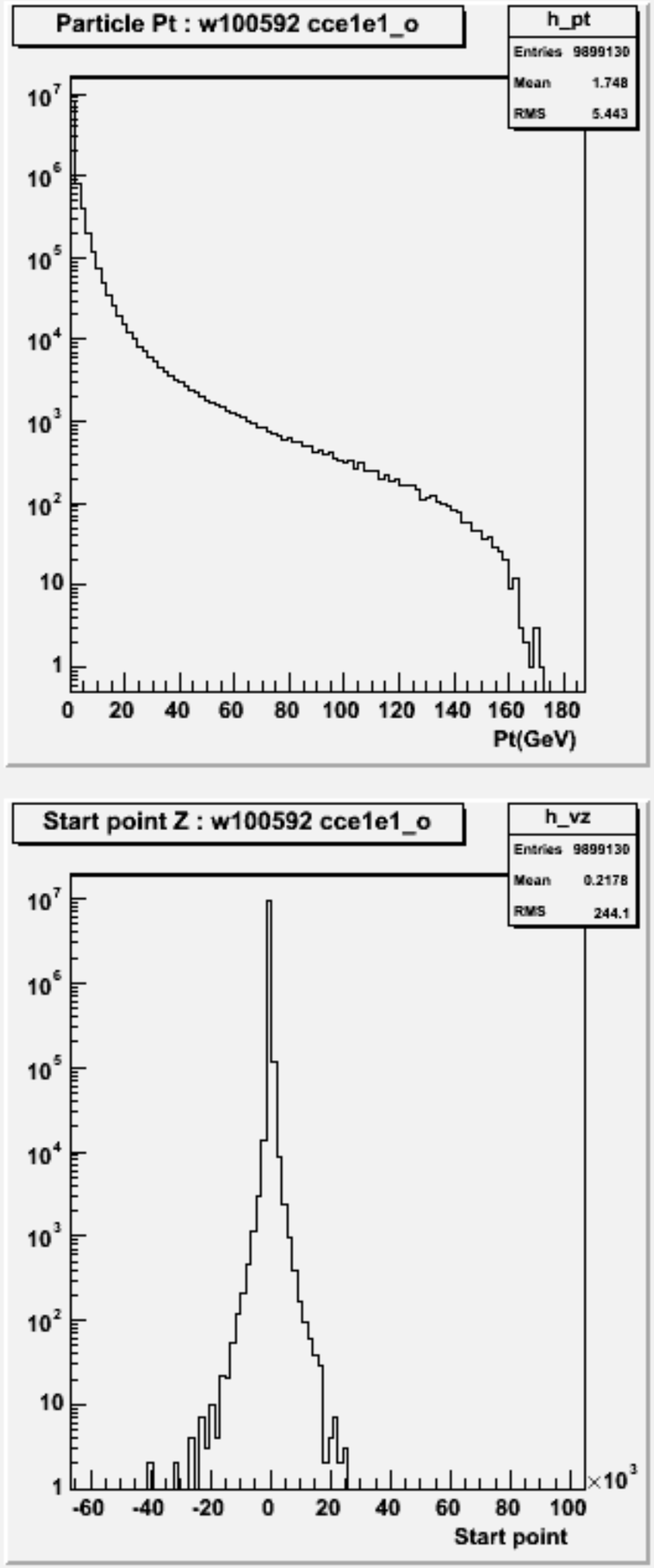

Jet energies(All jets)w100589 uubb_o
ha_j0e
Entries 155344
Mean 83.22
RMS 48.88
E(Jet)


Jet cosθ (All jets)w100589 uubb_o
ha_j0cs
Entries 155344
Mean 0.07747
RMS 0.7417
cos θ


2jets mass(All comb)w100589 uubb_o
ha_m01
Entries 233016
Mean 121.4
RMS 72.96
M(J_iJ_k) (GeV)


Particle ID : w100592 cce1e1_o
h_id
Entries 9899130
Mean 13.7
RMS 434.2
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

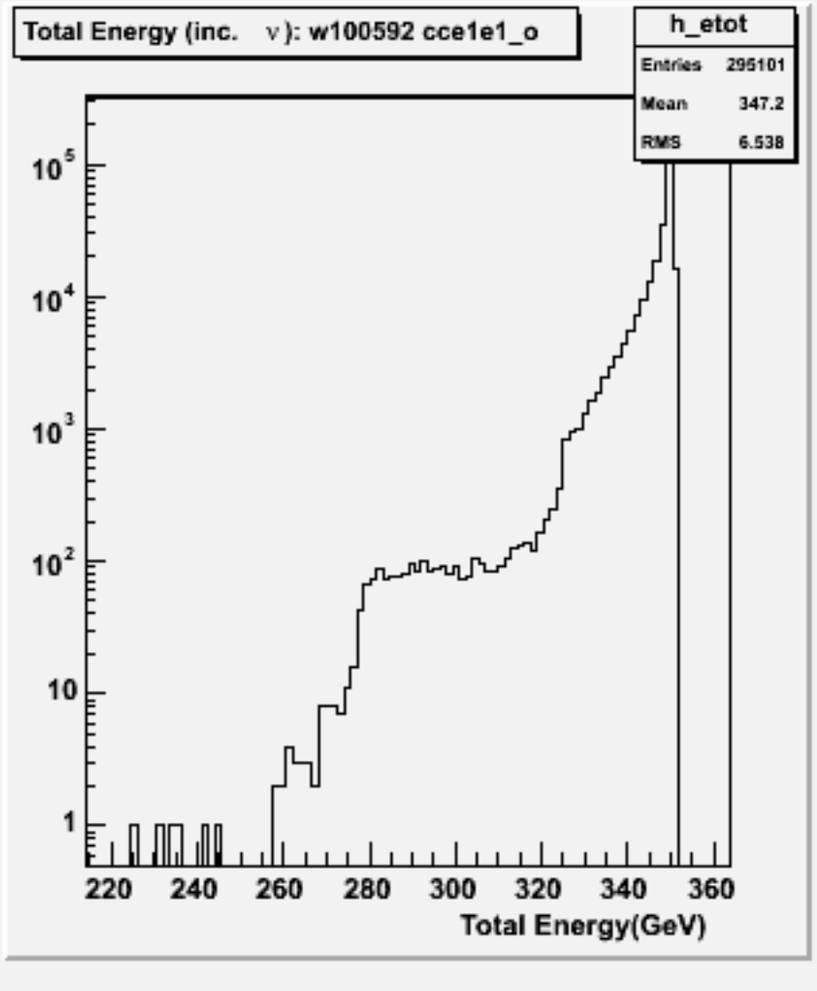

Particle Energy : w100592 cce1e1_o
h_e
Entries 9899130
Mean 10.35
RMS 32.31
10^7
10^6
10^5
10^4
10^3
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

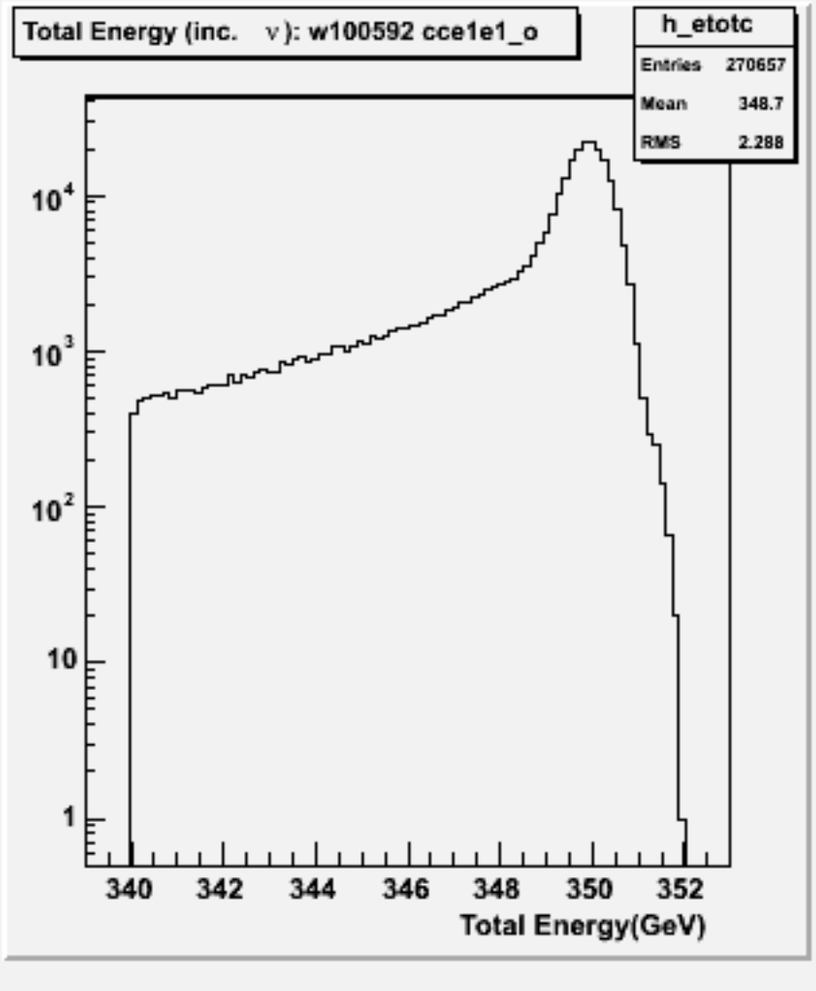

Particle Pt : w100592 cce1e1_o
h_pt
Entries 9899130
Mean 1.748
RMS 5.443
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

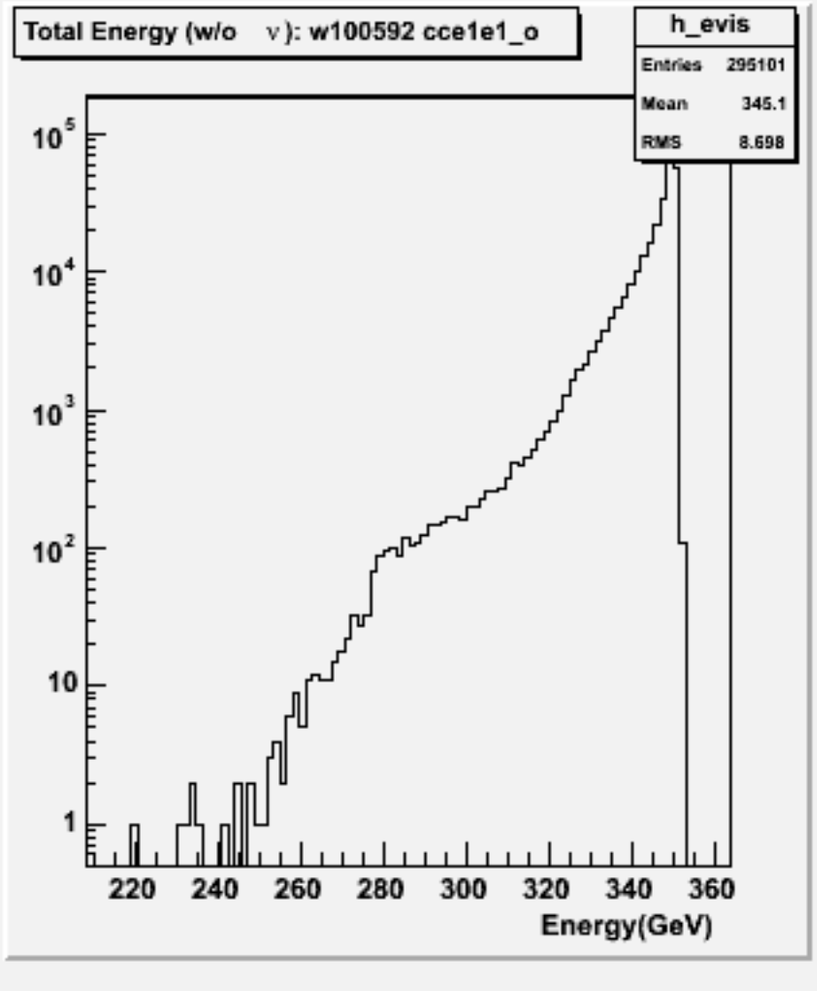
Particle cosθ : w100592 cce1e1_o
h_cs
Entries 9899130
Mean 0.008686
RMS 0.802
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

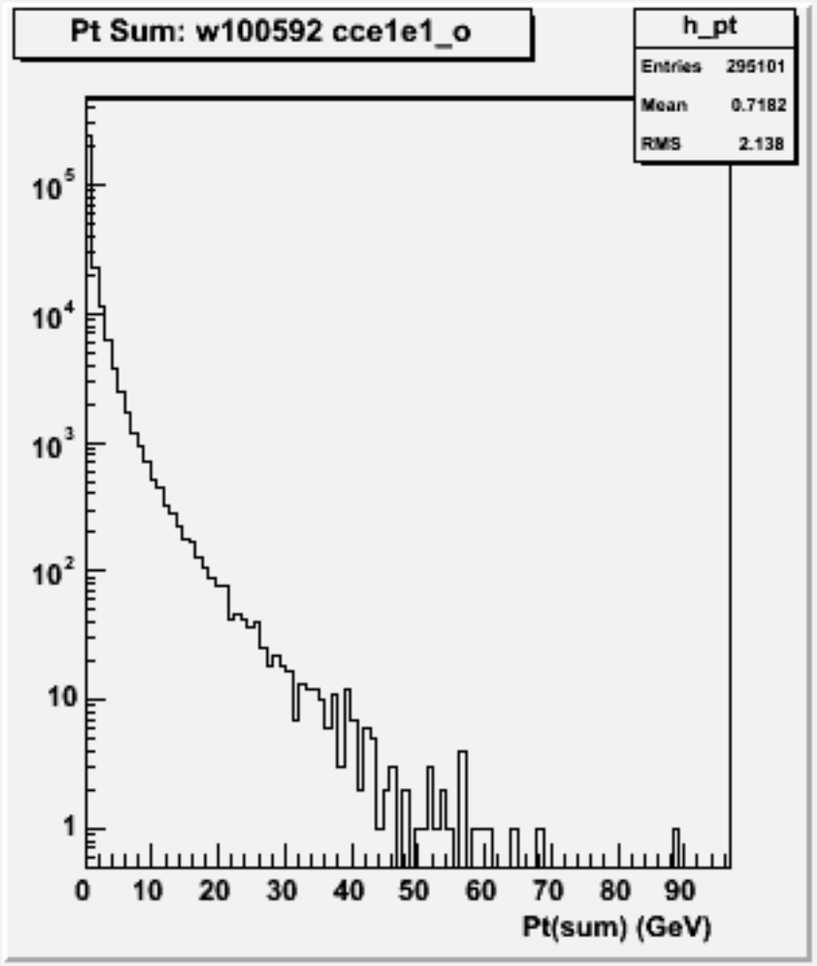
Start point R : w100592 cce1e1_o
h_vr
Entries 9899130
Mean 12.35
RMS 103.3
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

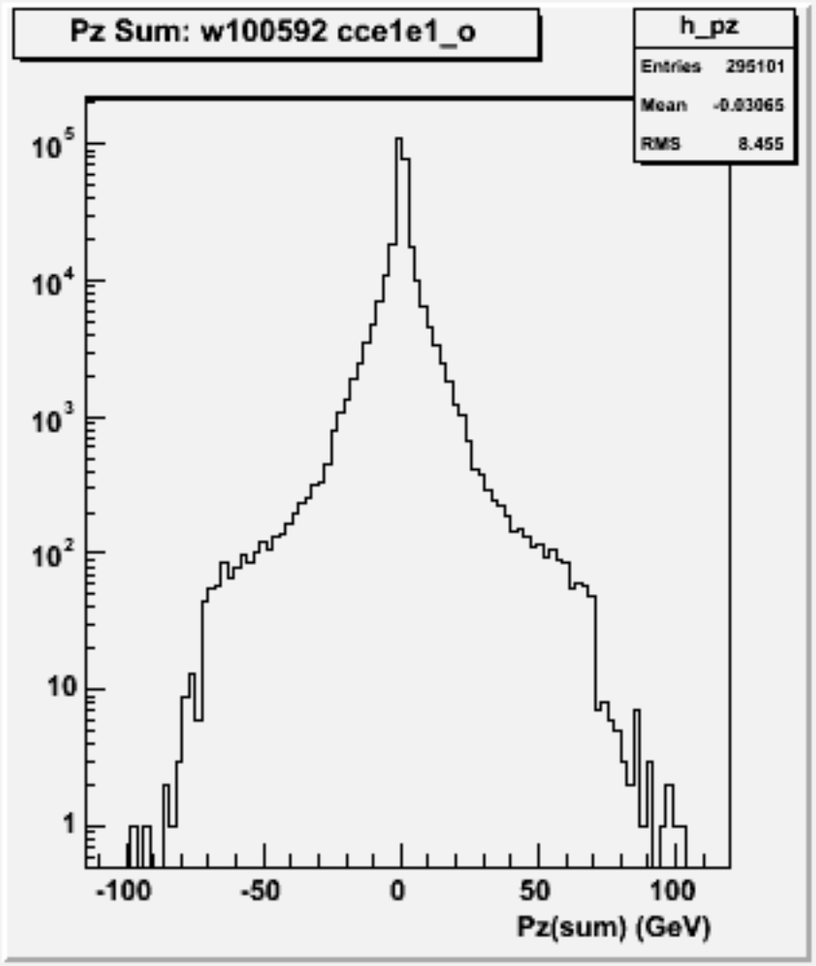
Start point Z : w100592 cce1e1_o
h_vz
Entries 9899130
Mean 0.2178
RMS 244.1
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-60
-40
-20
0
20
40
60
80
100
$\times 10^3$
Start point

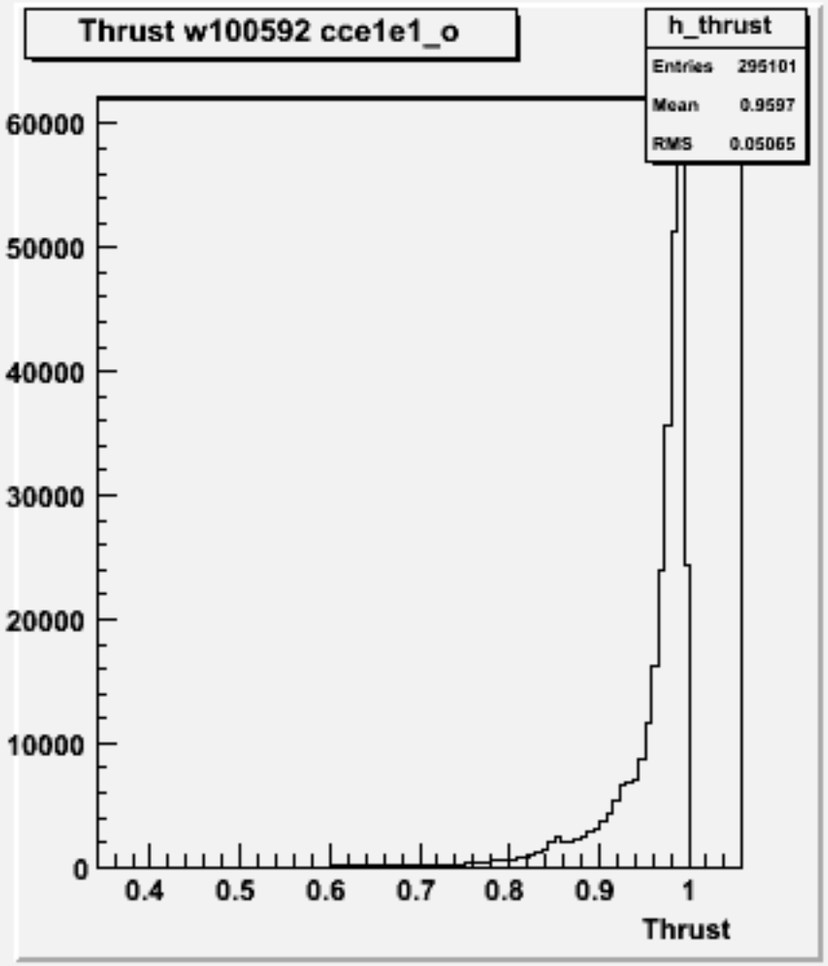

Total Energy (inc. ν): w100592 cce1e1_o
h_etot
Entries 295101
Mean 347.2
RMS 6.538
Total Energy(GeV)

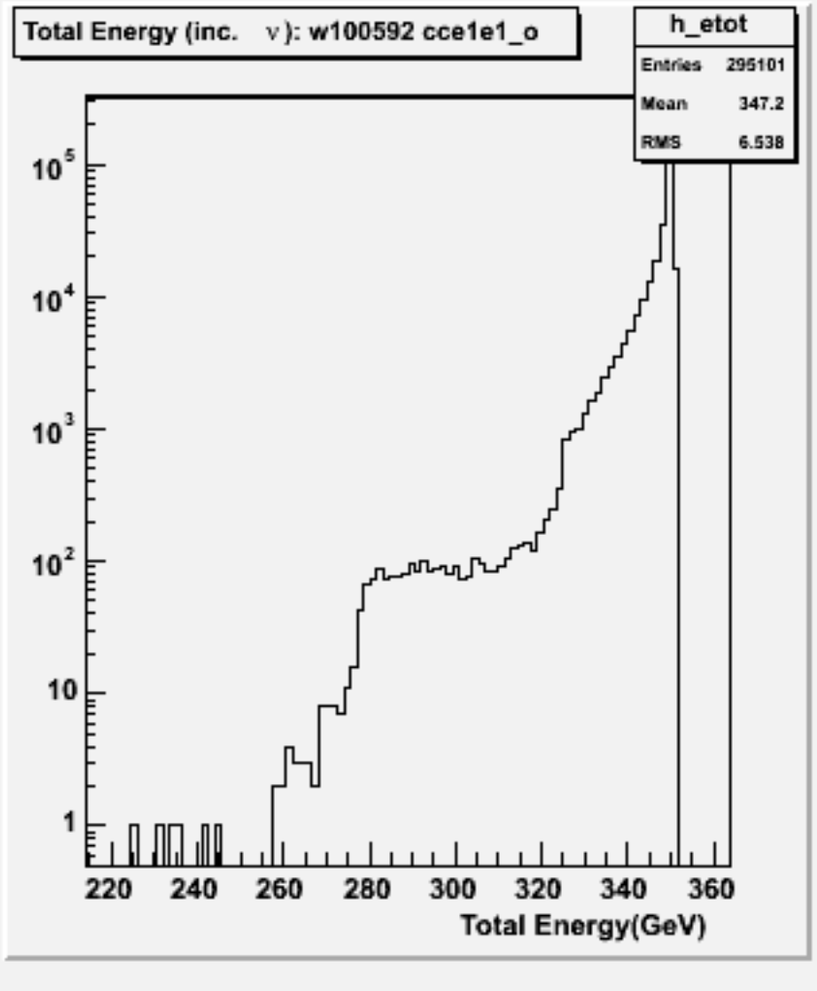

Total Energy (inc. ν): w100592 cce1e1_o
h_etotc
Entries 270657
Mean 348.7
RMS 2.288
Total Energy(GeV)

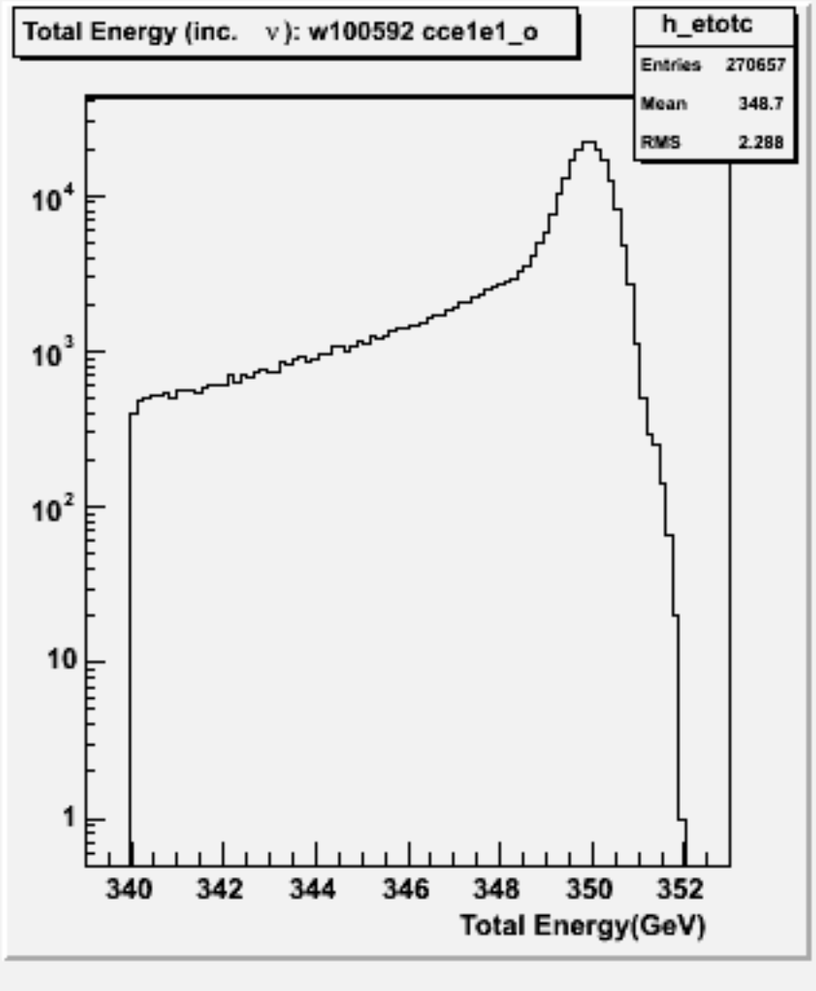

Total Energy (w/o ν): w100592 cce1e1_o
h_evis
Entries 295101
Mean 345.1
RMS 8.698
Energy(GeV)

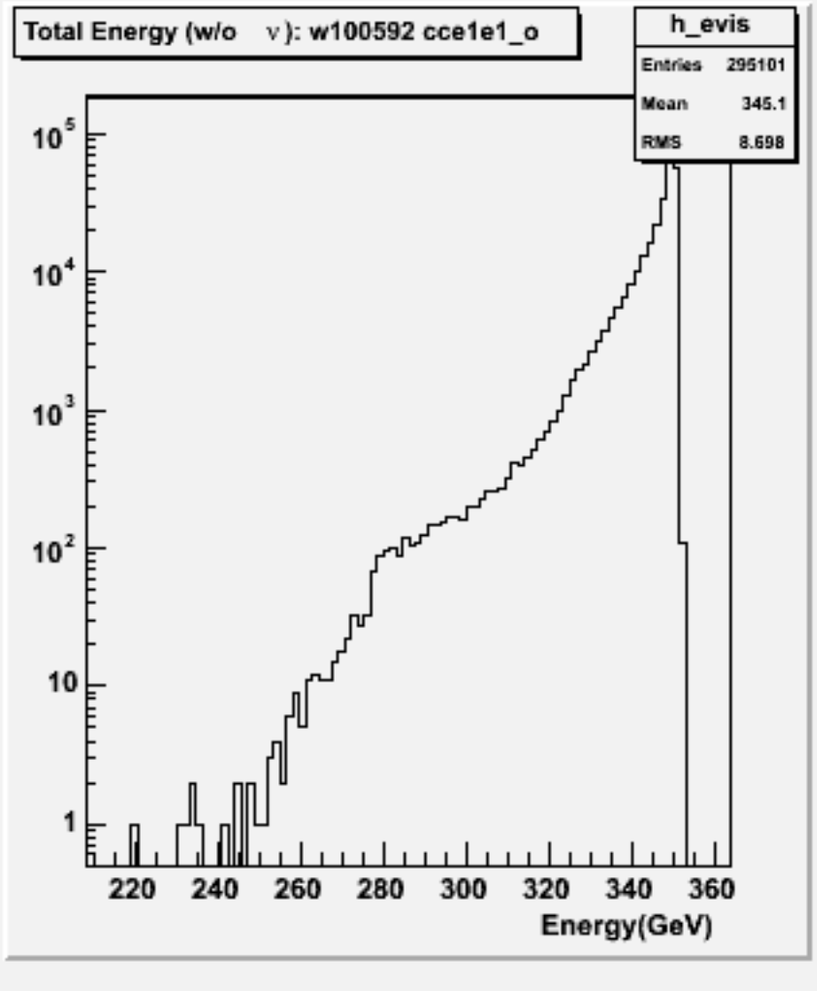

Pt Sum: w100592 cce1e1_o
h_pt
Entries 295101
Mean 0.7182
RMS 2.138
Pt(sum) (GeV)

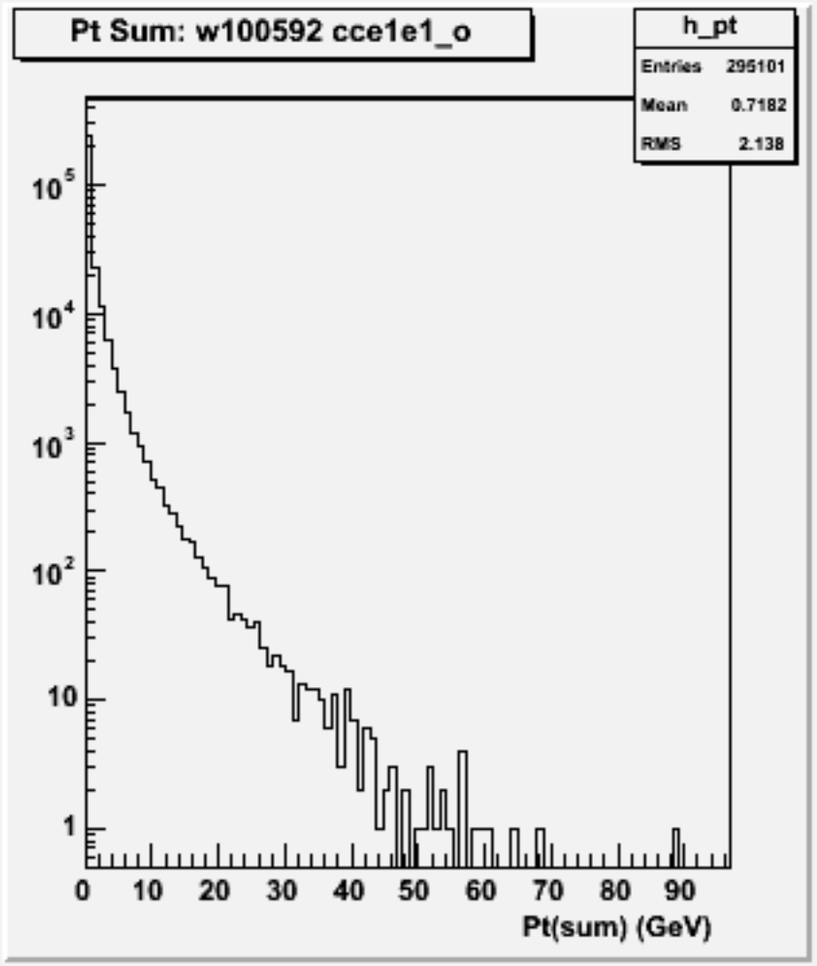

Pz Sum: w100592 cce1e1_o
h_pz
Entries 295101
Mean -0.03065
RMS 8.455
Pz(sum) (GeV)

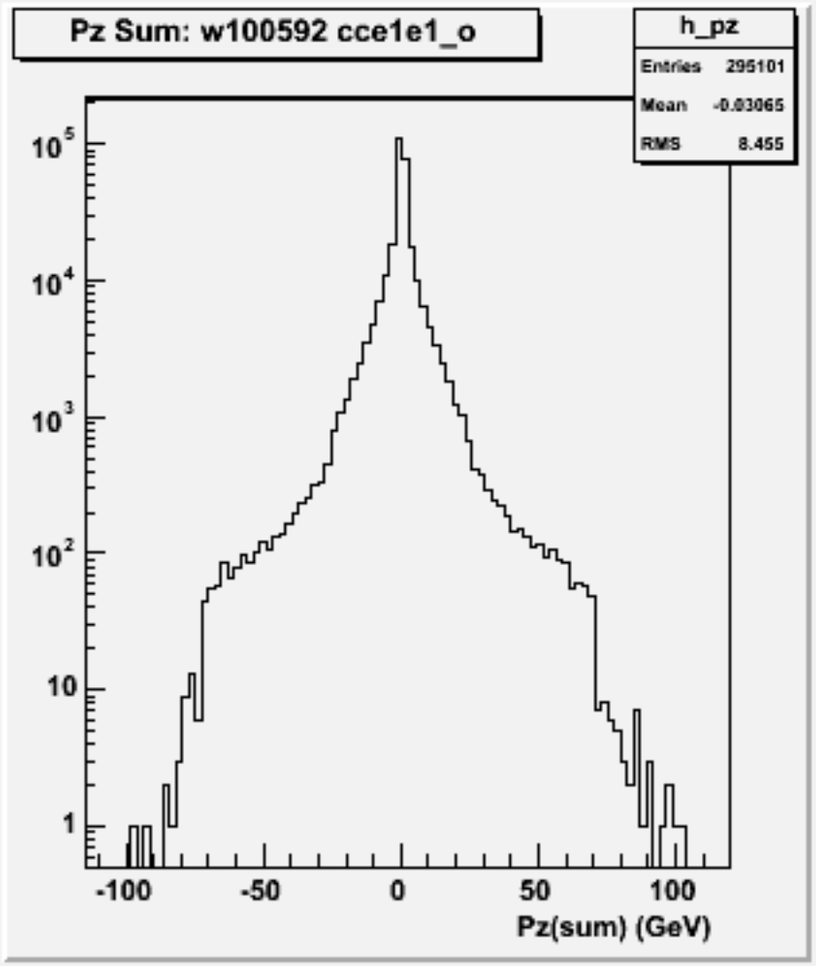

Thrust w100592 cce1e1_o
h_thrust
Entries 295101
Mean 0.9597
RMS 0.05065
Thrust

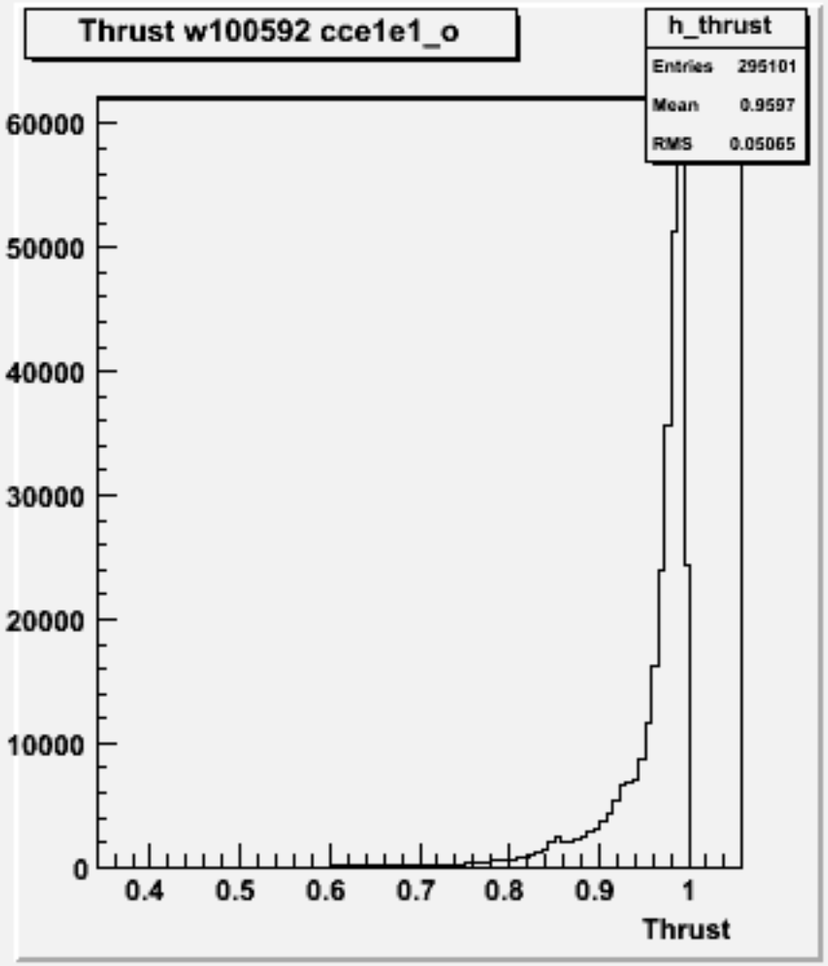

Total Energy (inc. ν): w100592 cce1e1_o
h_etot
Entries 295101
Mean 347.2
RMS 6.538
Total Energy(GeV)

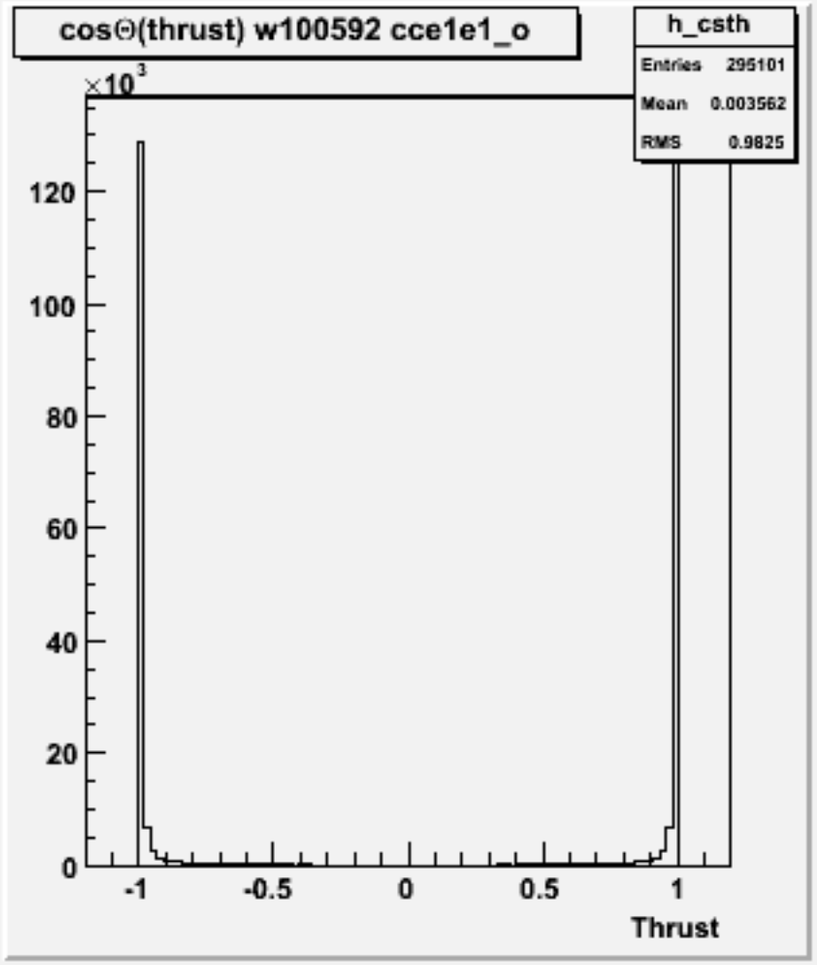

Total Energy (inc. ν): w100592 cce1e1_o
h_etotc
Entries 270657
Mean 348.7
RMS 2.288
Total Energy(GeV)

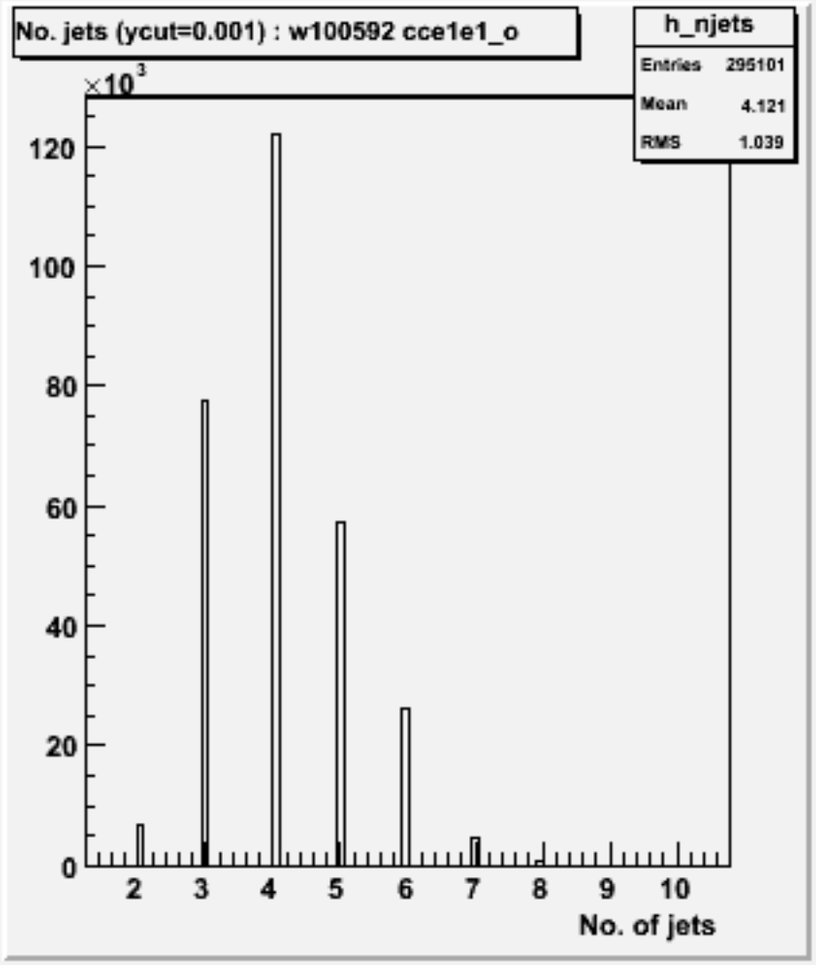

Total Energy (w/o ν): w100592 cce1e1_o
h_evis
Entries 295101
Mean 345.1
RMS 8.698
Energy(GeV)

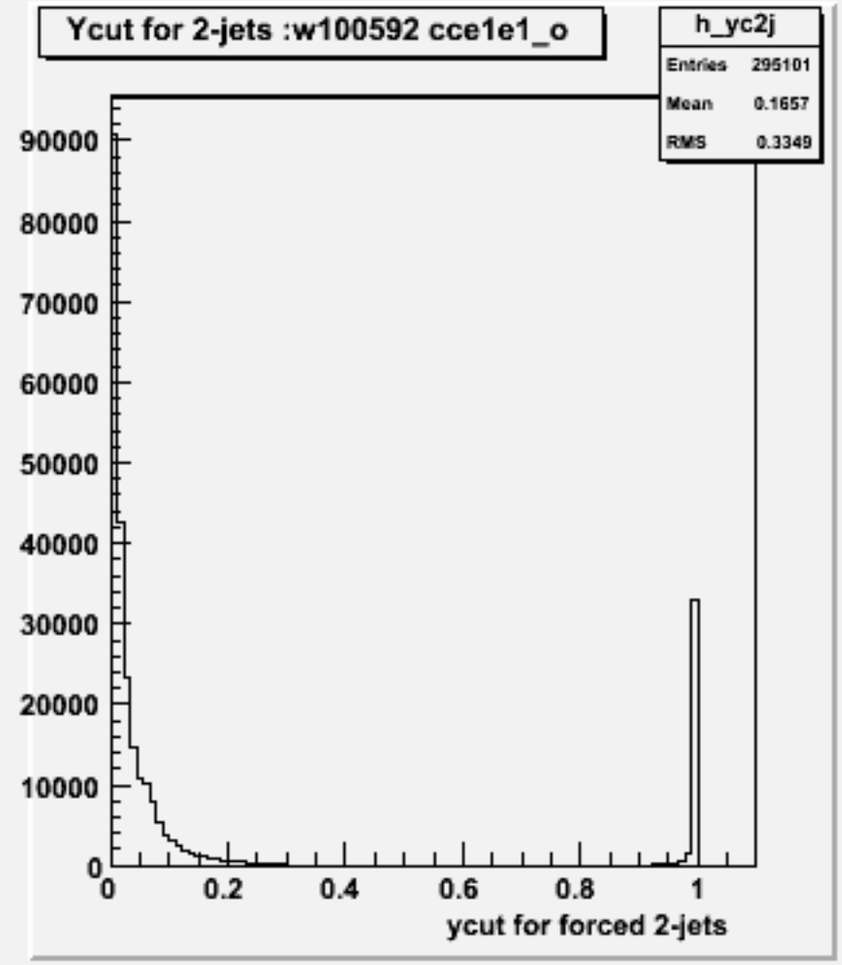

Pt Sum: w100592 cce1e1_o
h_pt
Entries 295101
Mean 0.7182
RMS 2.138
Pt(sum) (GeV)

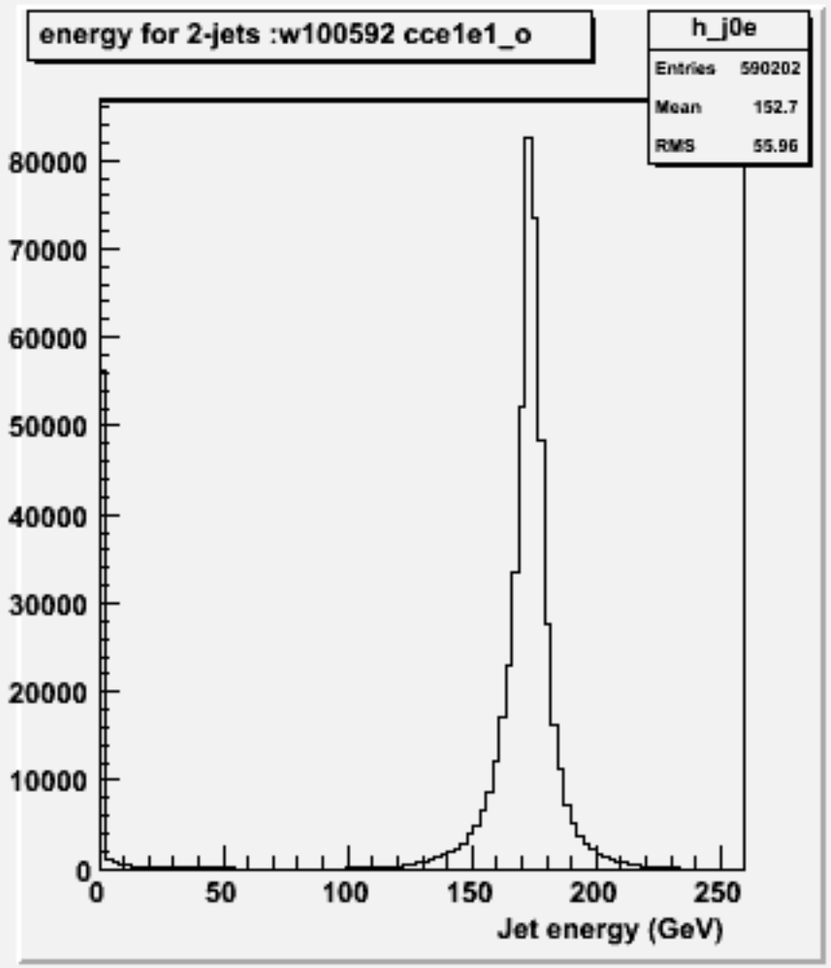

Pz Sum: w100592 cce1e1_o
h_pz
Entries 295101
Mean -0.03065
RMS 8.455
Pz(sum) (GeV)

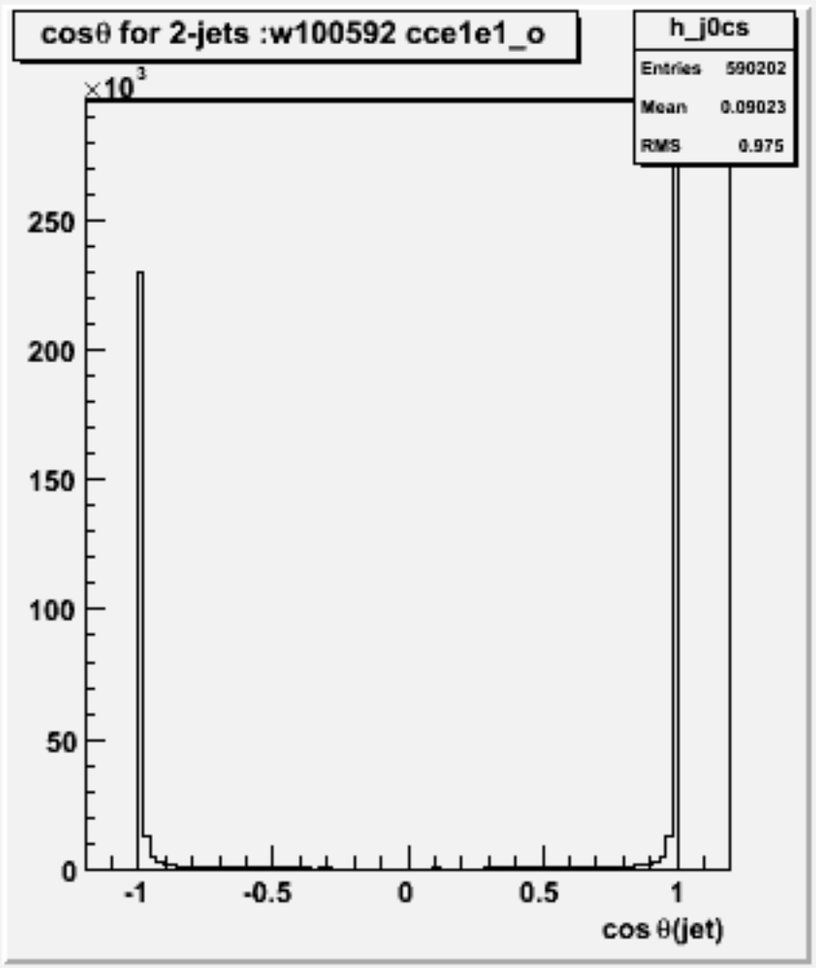

Thrust w100592 cce1e1_o
h_thrust
Entries 295101
Mean 0.9597
RMS 0.05065
Thrust

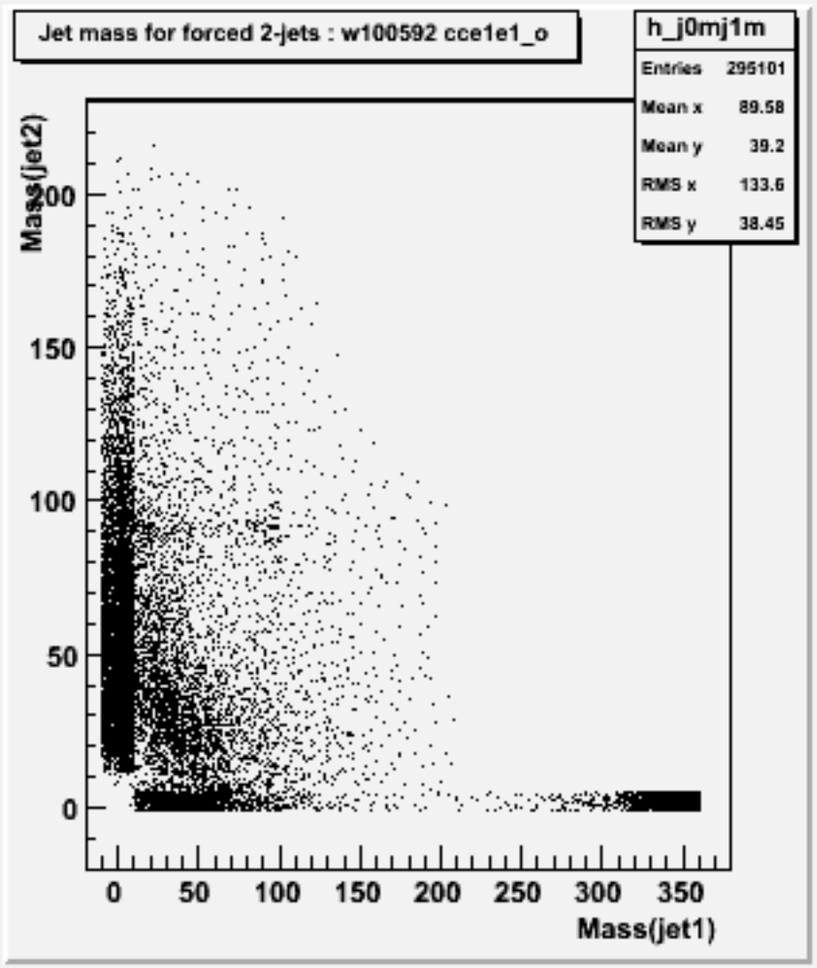

cosΘ(thrust) w100592 cce1e1_o
h_csth
Entries 295101
Mean 0.003562
RMS 0.9825
×10^3
120
100
80
60
40
20
0
-1
-0.5
0
0.5
1
Thrust

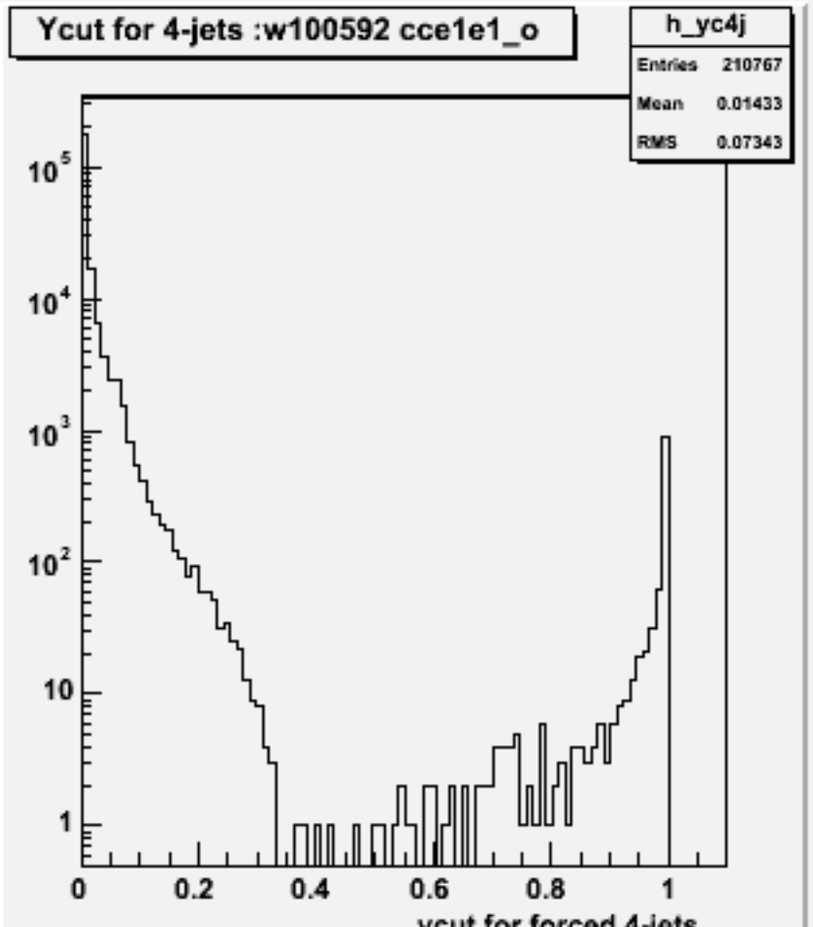

No. jets (ycut=0.001) : w100592 cce1e1_o
h_njets
Entries 295101
Mean 4.121
RMS 1.039
×10^3
120
100
80
60
40
20
0
2
3
4
5
6
7
8
9
10
No. of jets

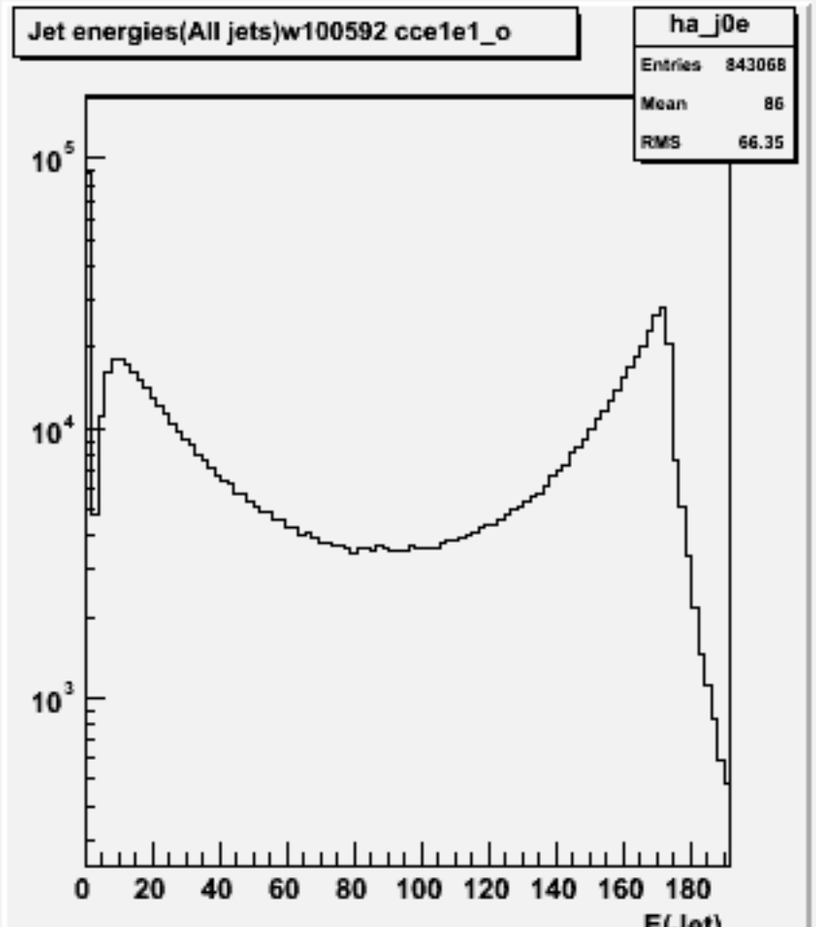

Ycut for 2-jets :w100592 cce1e1_o
h_yc2j
Entries 295101
Mean 0.1657
RMS 0.3349
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

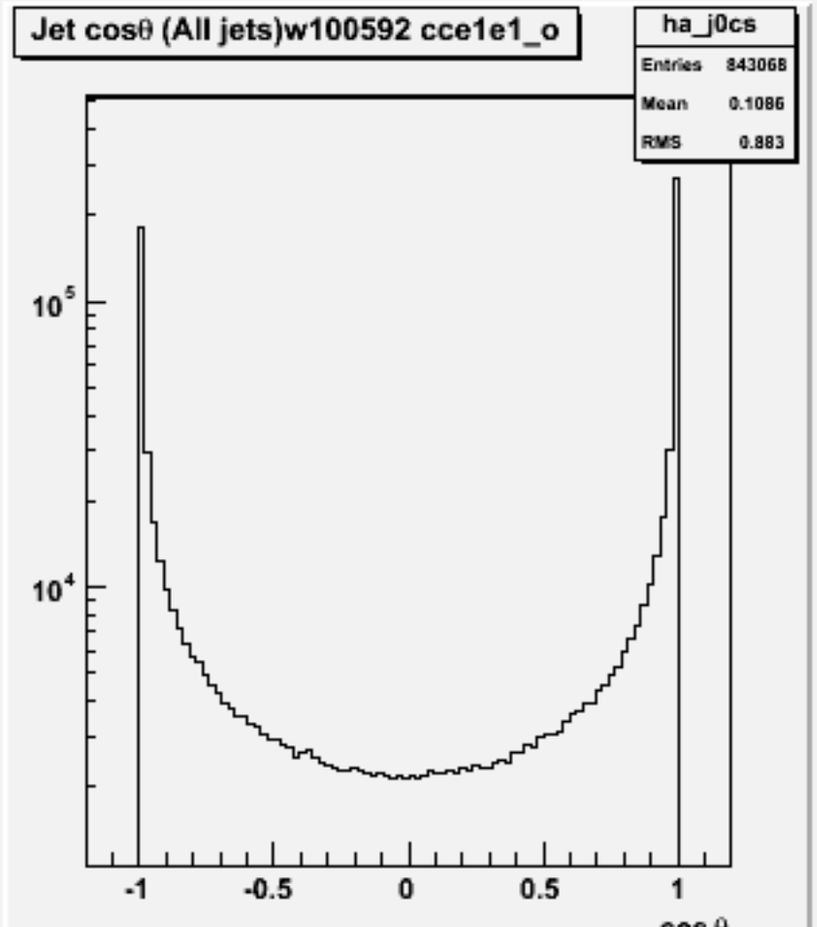

energy for 2-jets :w100592 cce1e1_o
h_j0e
Entries 590202
Mean 152.7
RMS 55.96
80000
70000
60000
50000
40000
30000
20000
10000
0
0
50
100
150
200
250
Jet energy (GeV)

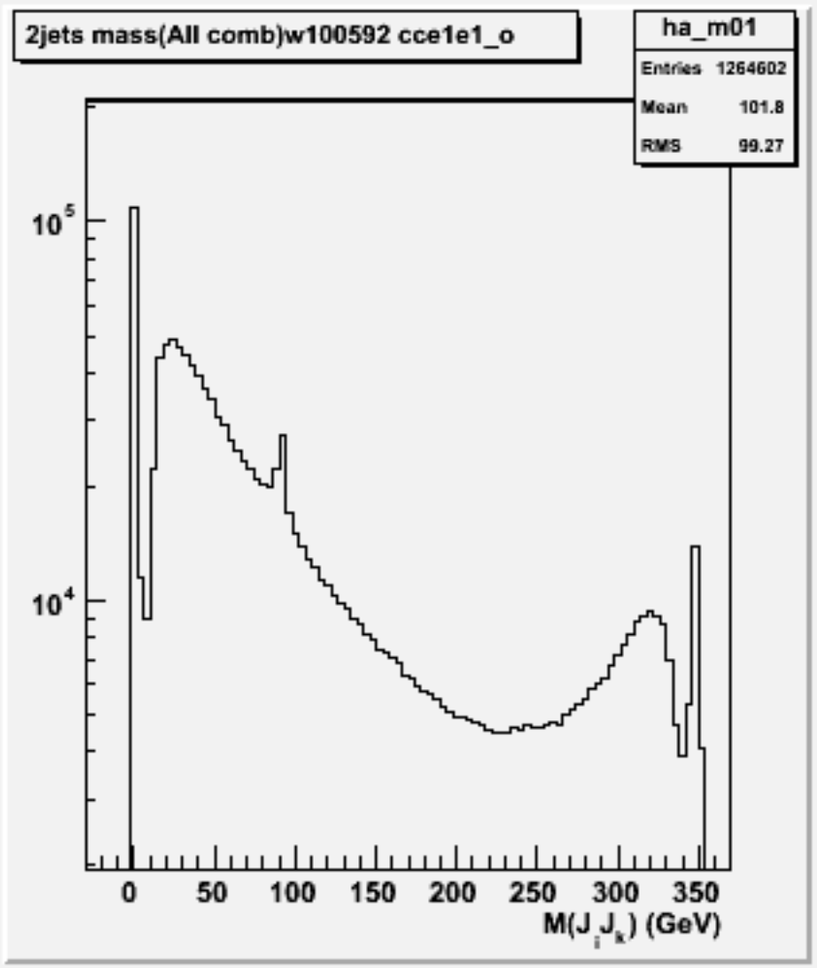

cosθ for 2-jets :w100592 cce1e1_o
h_j0cs
Entries 590202
Mean 0.09023
RMS 0.975
×10^3
250
200
150
100
50
0
-1
-0.5
0
0.5
1
cos θ(jet)

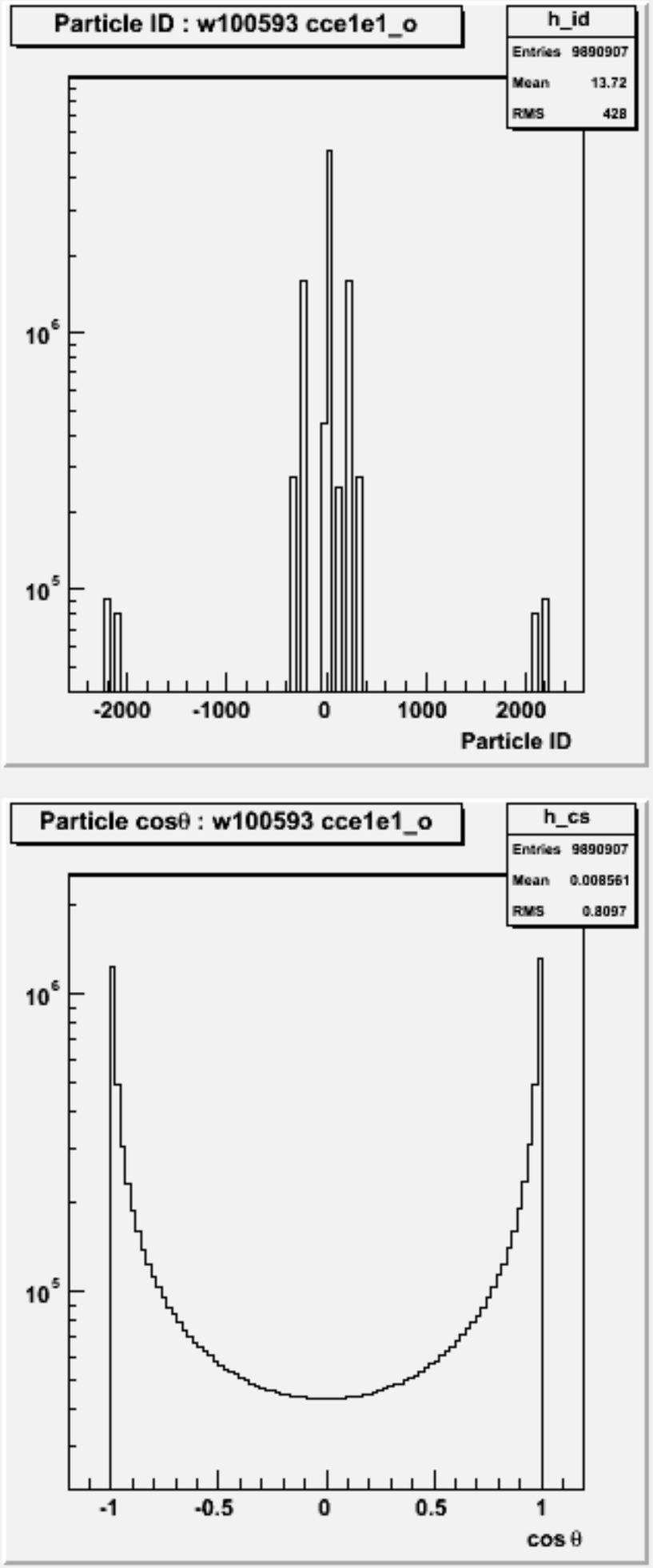

Jet mass for forced 2-jets : w100592 cce1e1_o
h_j0mj1m
Entries 295101
Mean x 89.58
Mean y 39.2
RMS x 133.6
RMS y 38.45
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

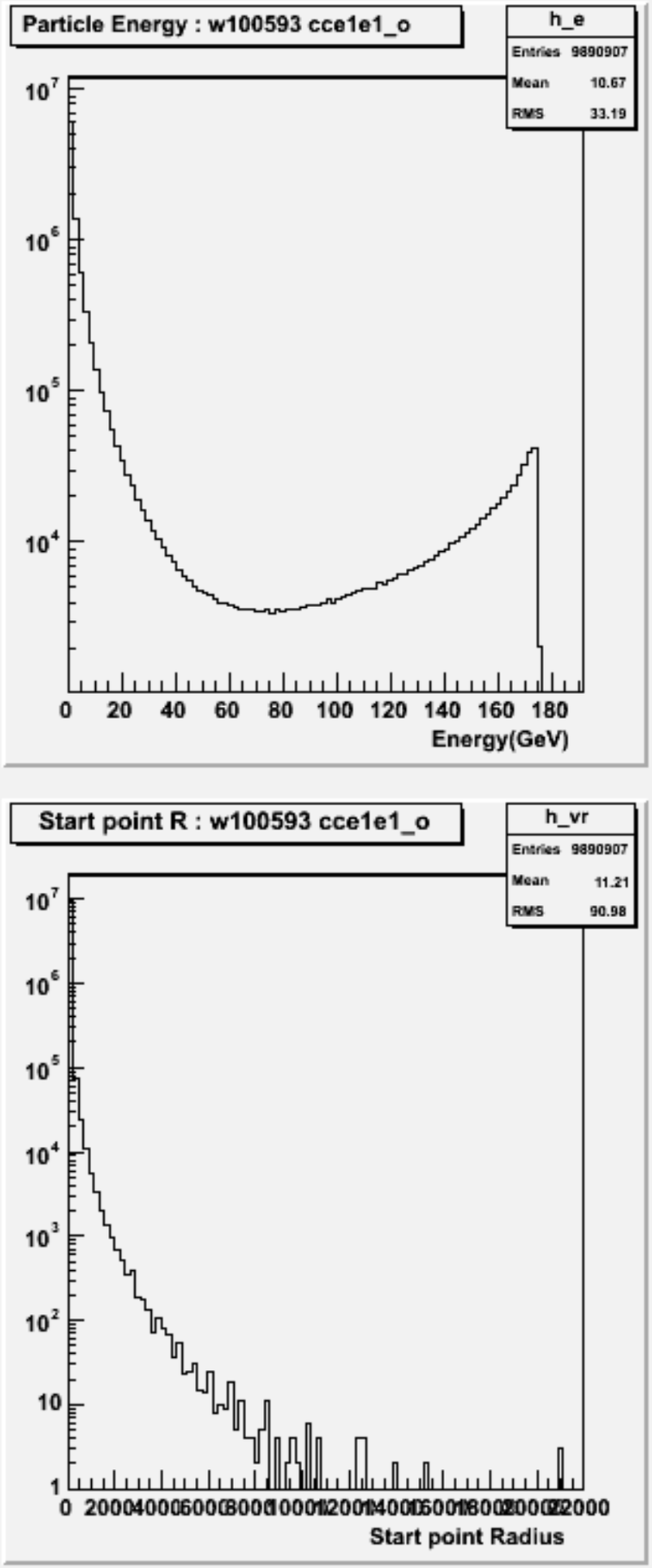

Ycut for 4-jets :w100592 cce1e1_o
h_yc4j
Entries 210767
Mean 0.01433
RMS 0.07343
ycut for forced 4-jets

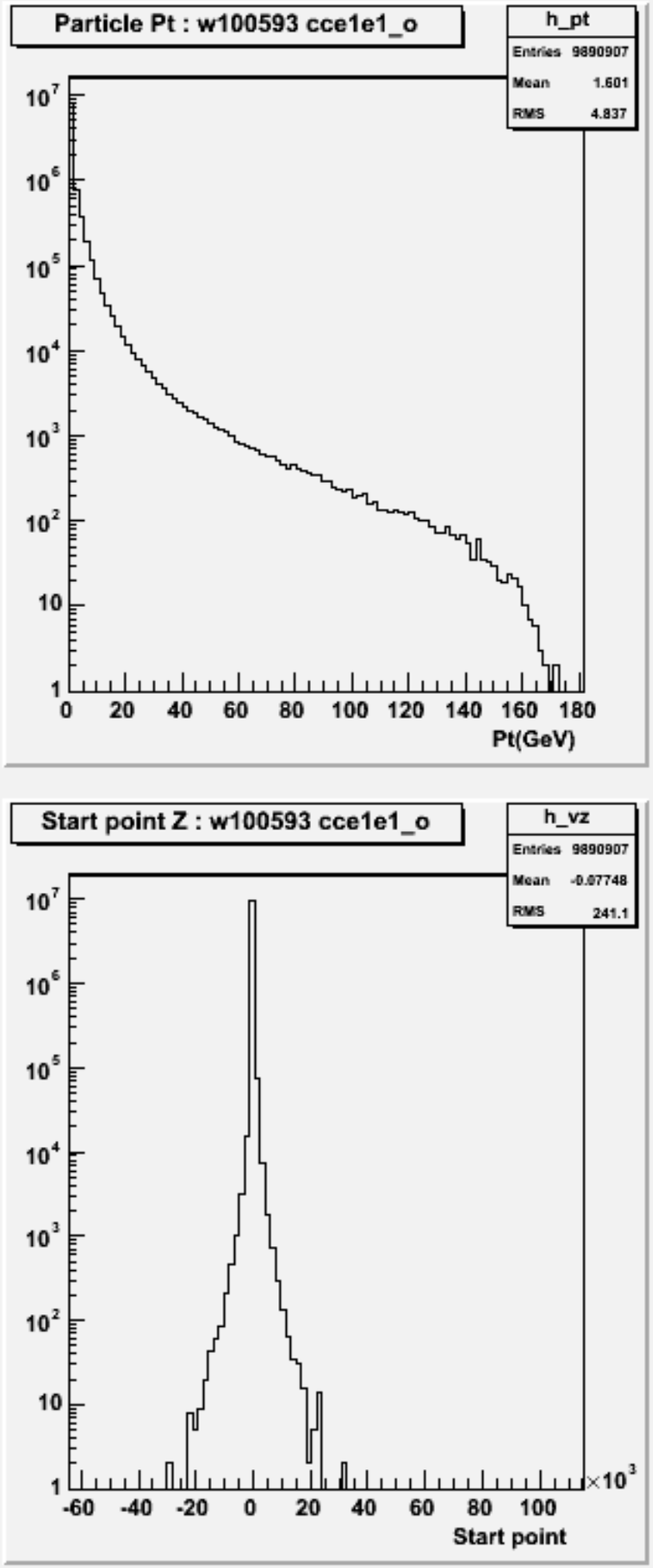

Jet energies(All jets)w100592 cce1e1_o
ha_j0e
Entries 843068
Mean 86
RMS 66.35
E(Jet)


Jet cosθ (All jets)w100592 cce1e1_o
ha_j0cs
Entries 843068
Mean 0.1086
RMS 0.883
cos θ


2jets mass(All comb)w100592 cce1e1_o
ha_m01
Entries 1264602
Mean 101.8
RMS 99.27
M(J_iJ_k) (GeV)


Particle ID : w100593 cce1e1_o
h_id
Entries 9890907
Mean 13.72
RMS 428
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

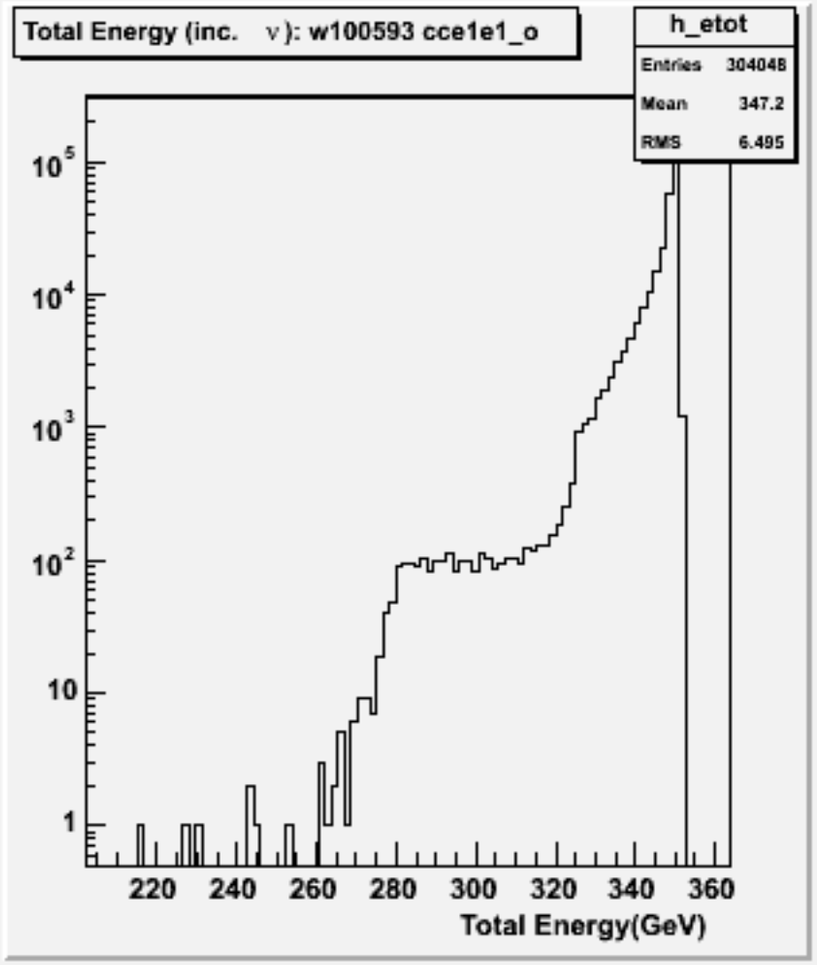

Particle Energy : w100593 cce1e1_o
h_e
Entries 9890907
Mean 10.67
RMS 33.19
10^7
10^6
10^5
10^4
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

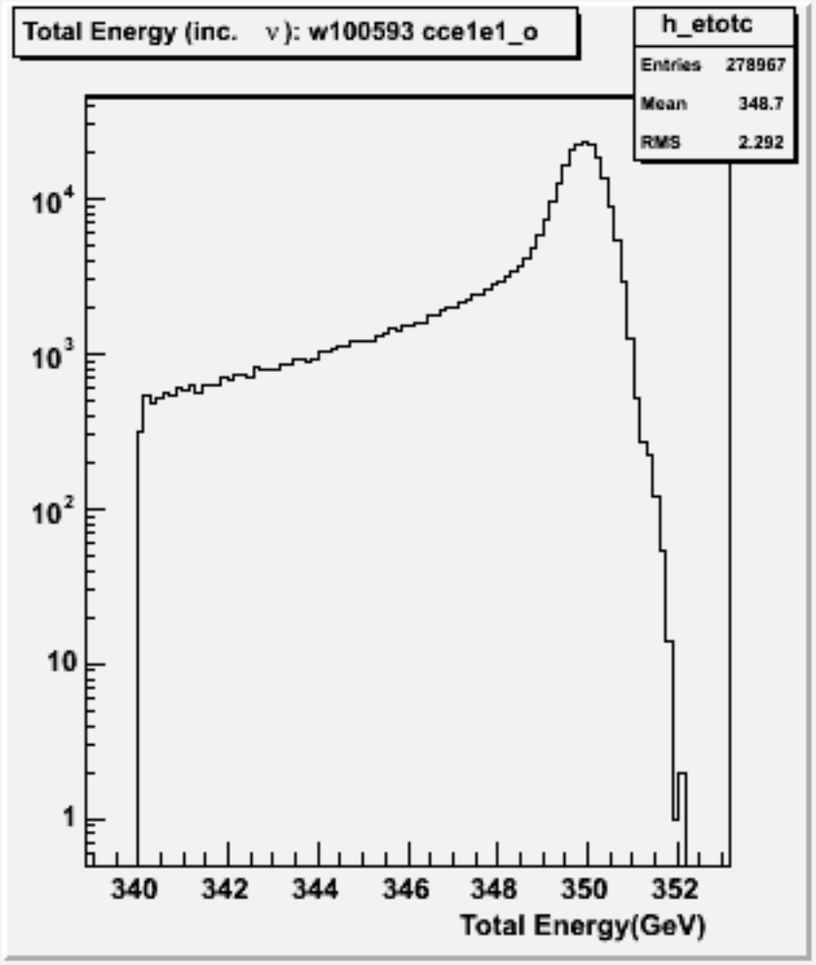

Particle Pt : w100593 cce1e1_o
h_pt
Entries 9890907
Mean 1.601
RMS 4.837
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

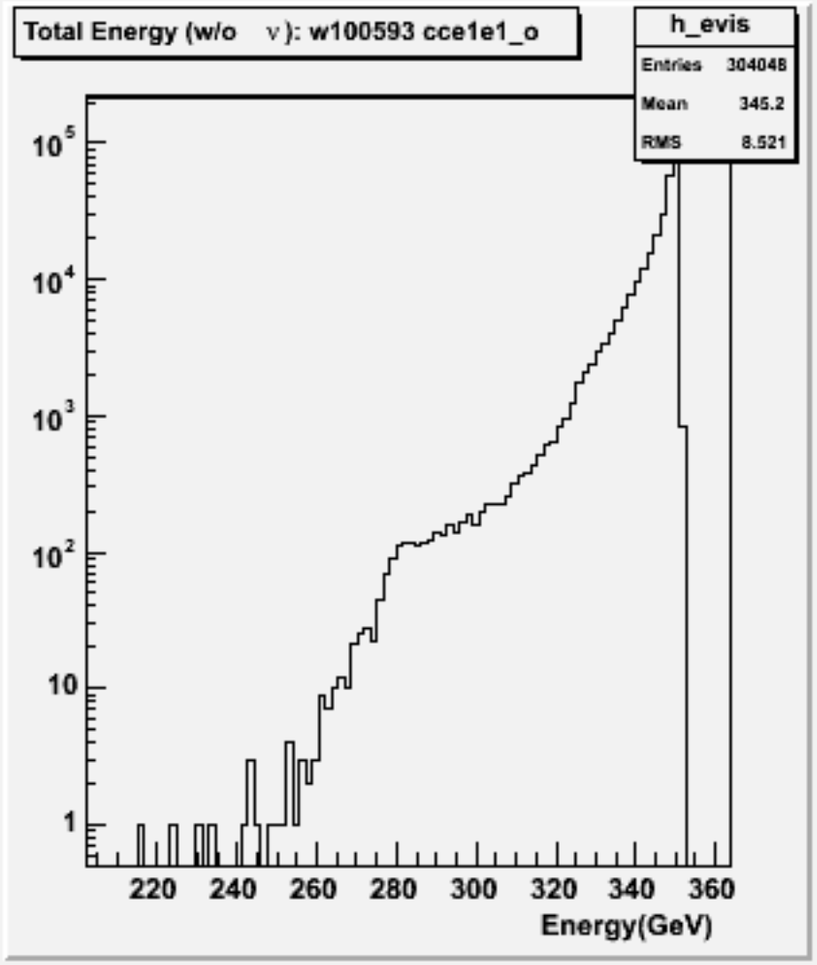
Particle cosθ : w100593 cce1e1_o
h_cs
Entries 9890907
Mean 0.008561
RMS 0.8097
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

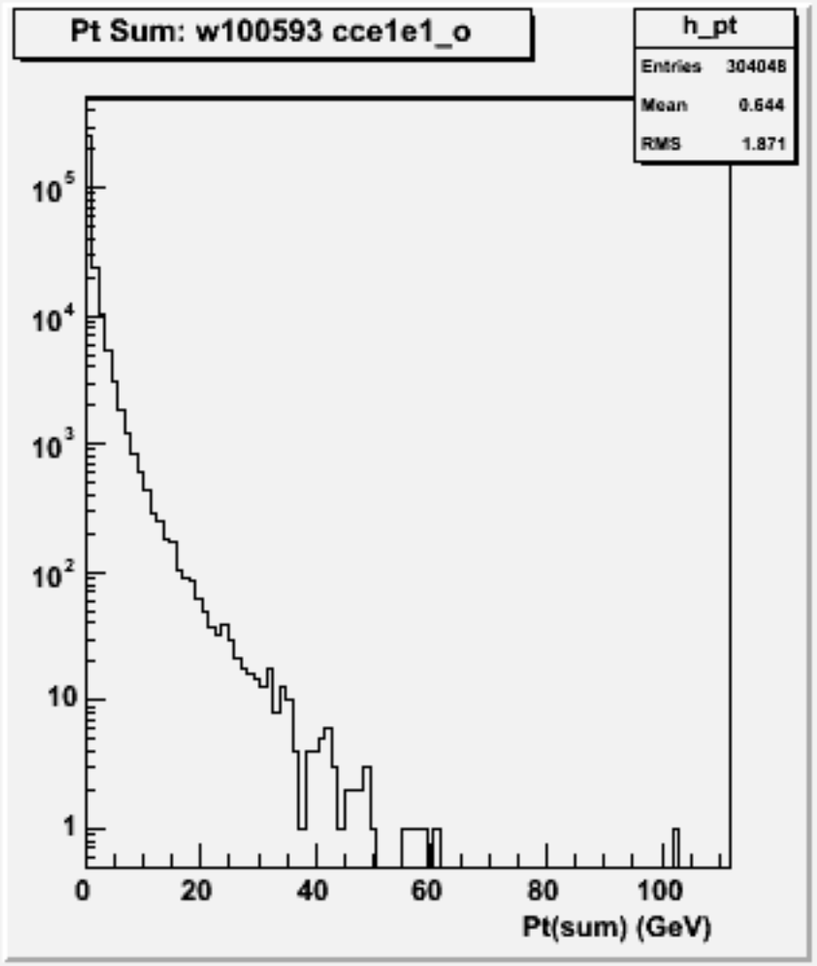
Start point R : w100593 cce1e1_o
h_vr
Entries 9890907
Mean 11.21
RMS 90.98
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
22000
Start point Radius

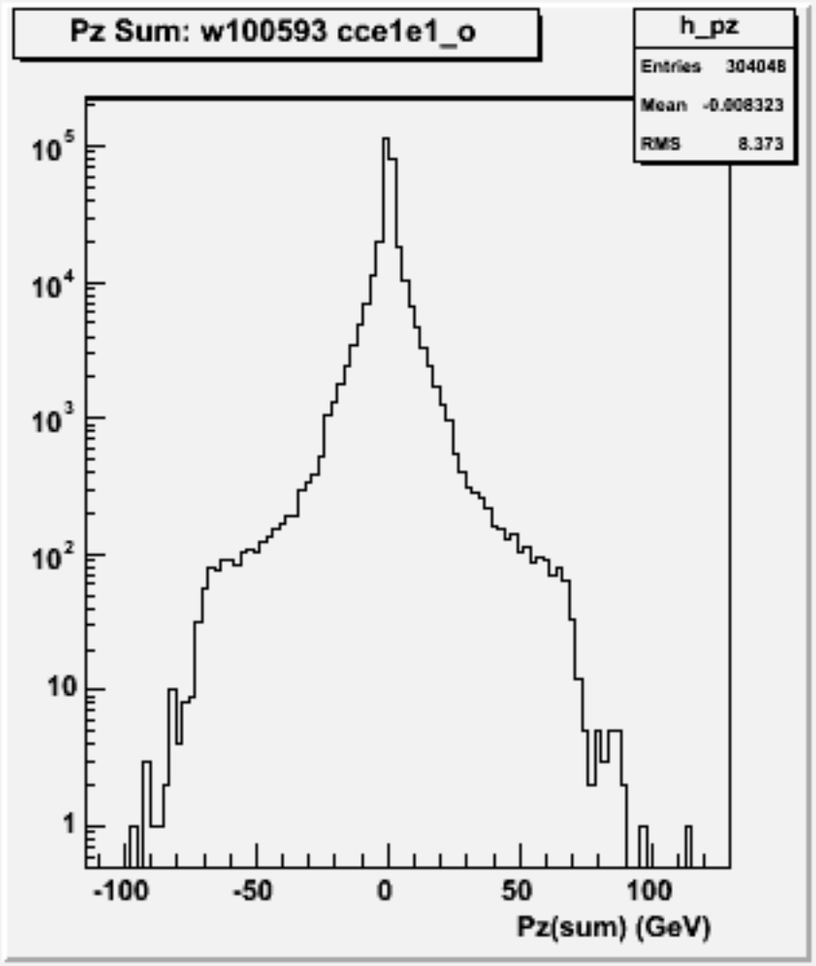
Start point Z : w100593 cce1e1_o
h_vz
Entries 9890907
Mean -0.07748
RMS 241.1
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-60
-40
-20
0
20
40
60
80
100
$\times 10^3$
Start point

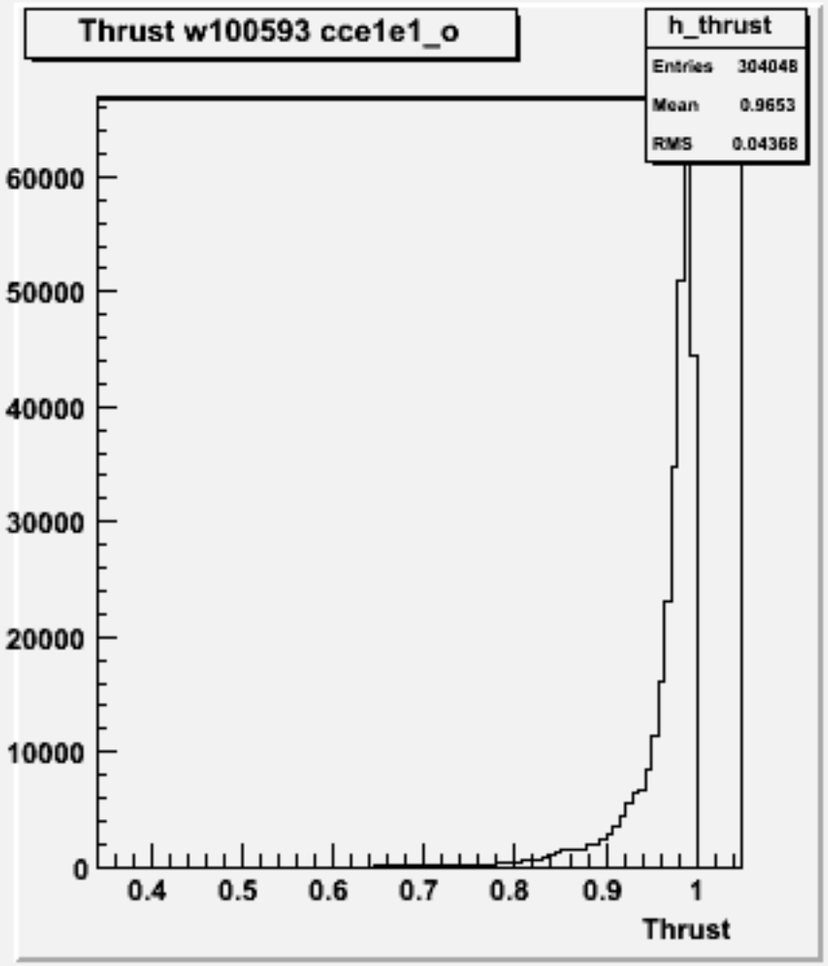

Total Energy (inc. ν): w100593 cce1e1_o
h_etot
Entries 304048
Mean 347.2
RMS 6.495
Total Energy(GeV)

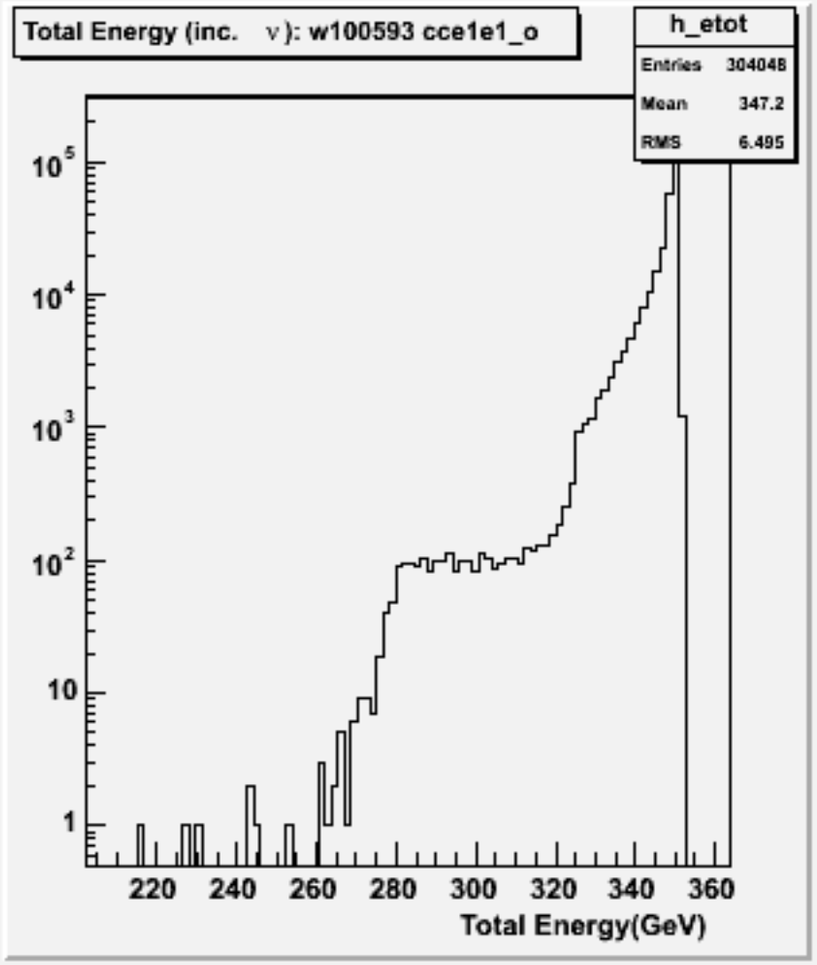

Total Energy (inc. ν): w100593 cce1e1_o
h_etotc
Entries 278967
Mean 348.7
RMS 2.292
Total Energy(GeV)

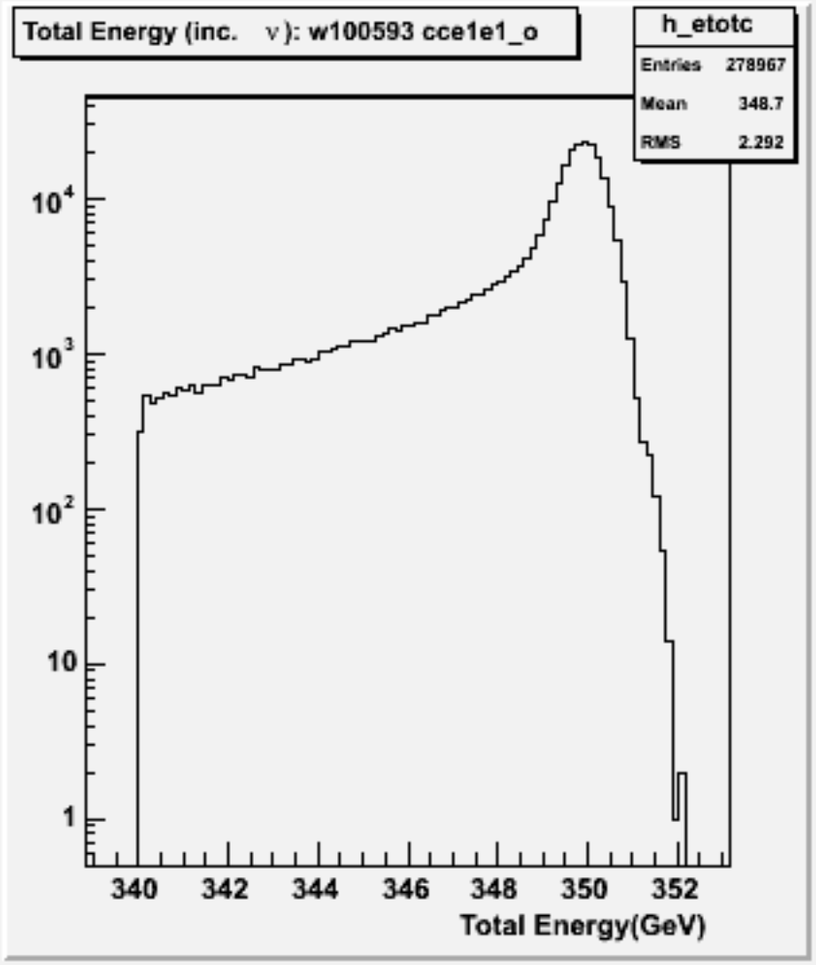

Total Energy (w/o ν): w100593 cce1e1_o
h_evis
Entries 304048
Mean 345.2
RMS 8.521
Energy(GeV)

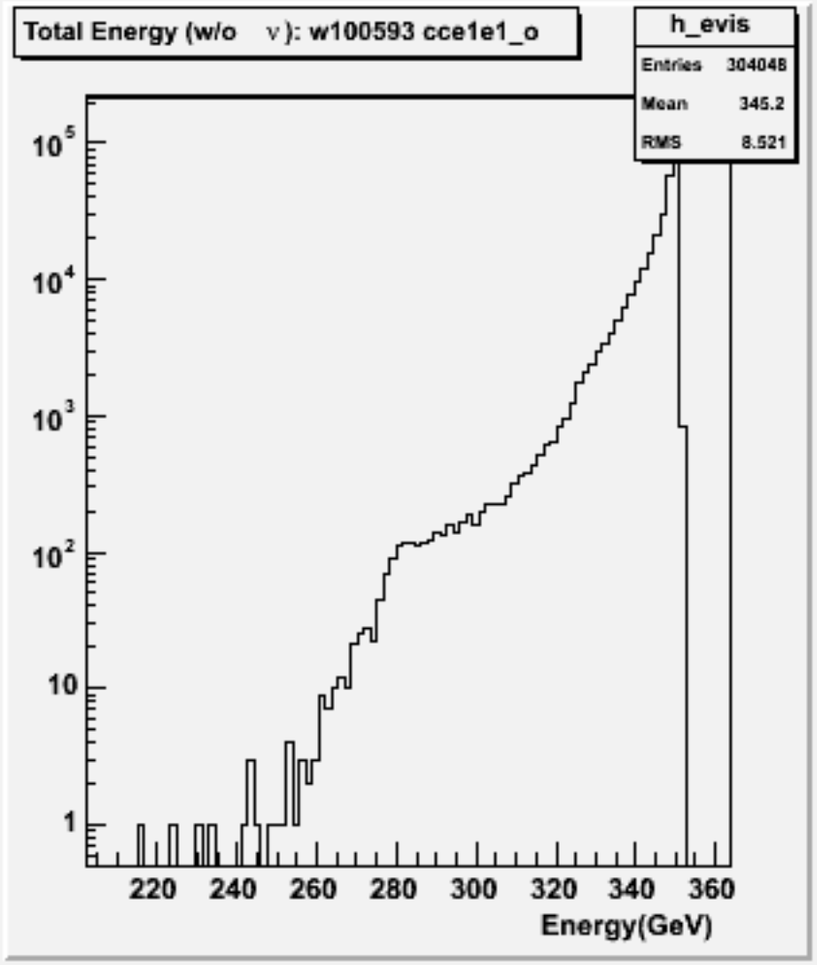

Pt Sum: w100593 cce1e1_o
h_pt
Entries 304048
Mean 0.644
RMS 1.871
Pt(sum) (GeV)

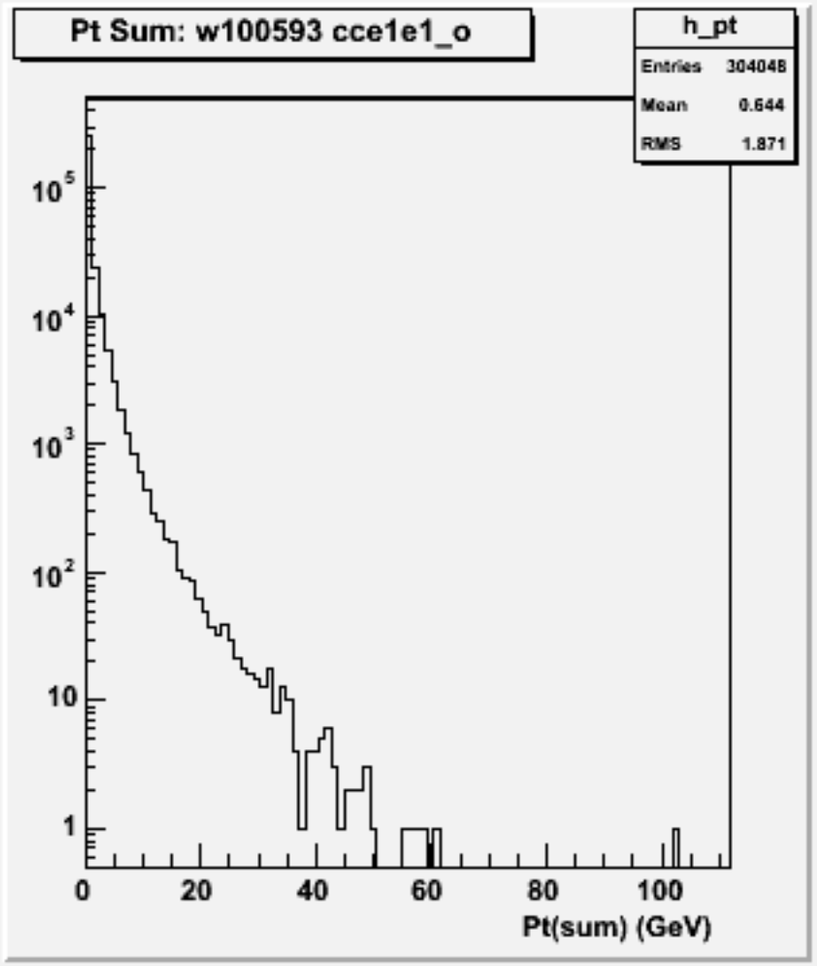

Pz Sum: w100593 cce1e1_o
h_pz
Entries 304048
Mean -0.008323
RMS 8.373
Pz(sum) (GeV)

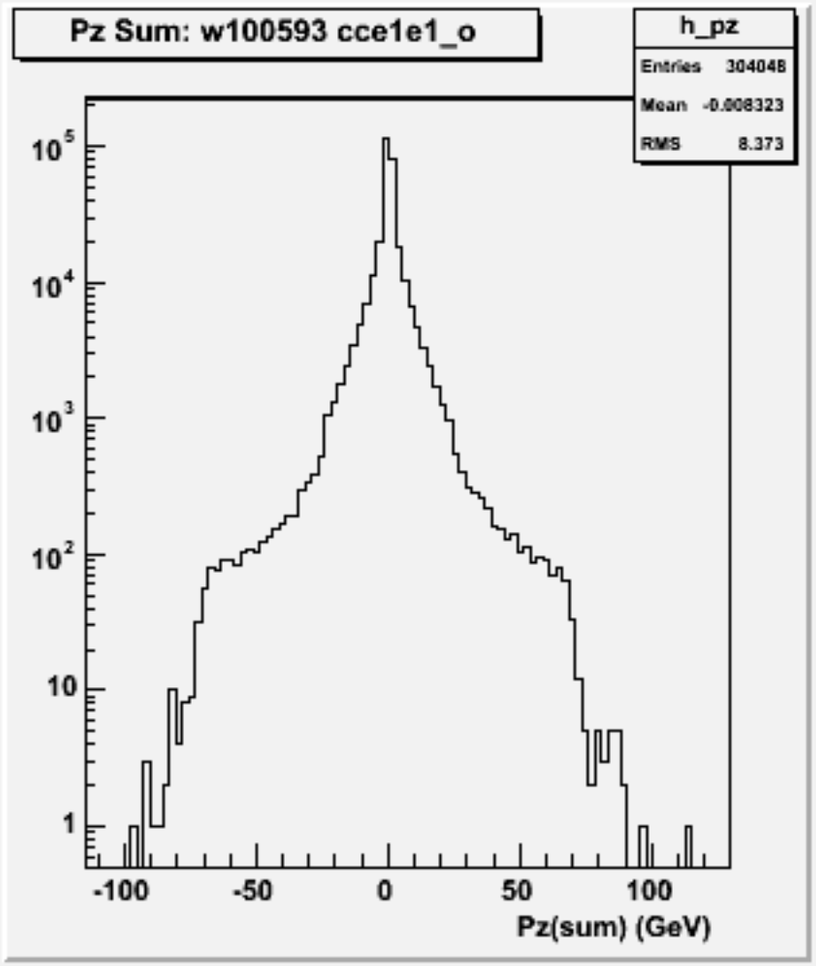

Thrust w100593 cce1e1_o
h_thrust
Entries 304048
Mean 0.9653
RMS 0.04368
Thrust

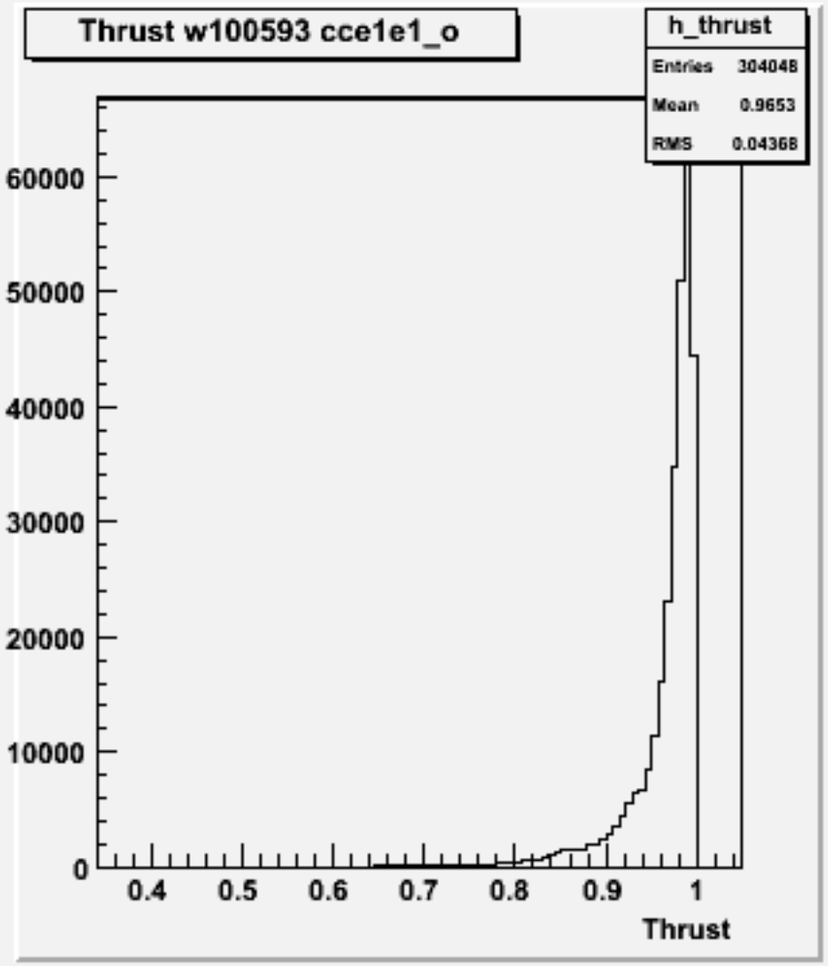

Total Energy (inc. ν): w100593 cce1e1_o
h_etot
Entries 304048
Mean 347.2
RMS 6.495
Total Energy(GeV)

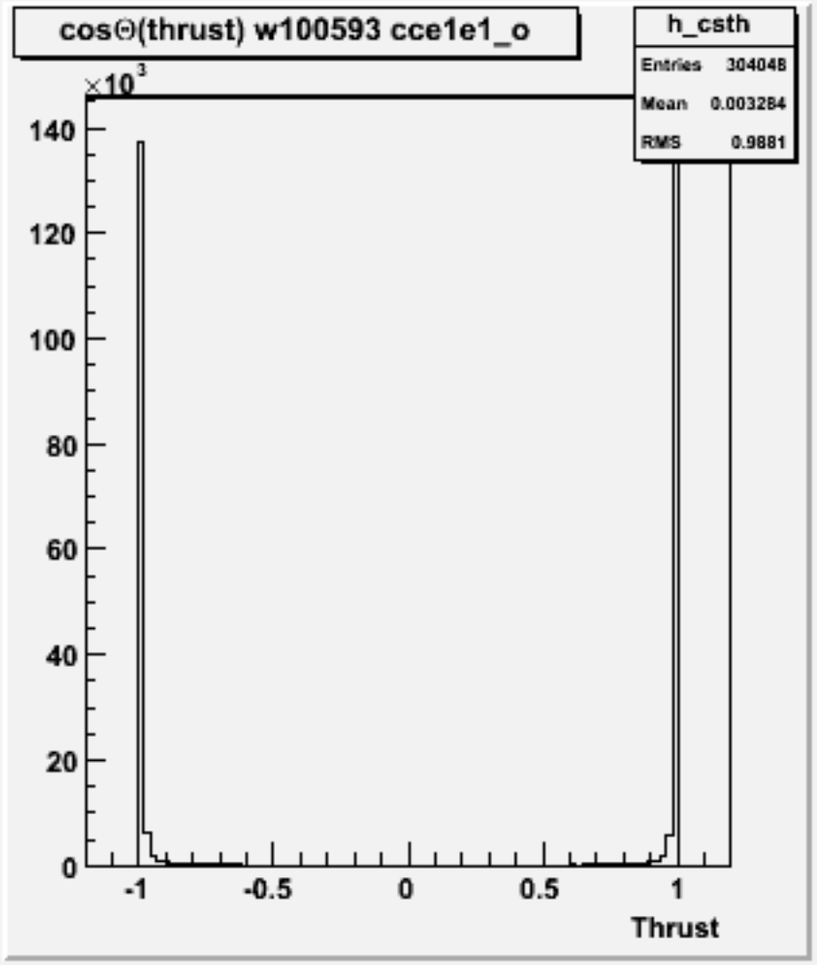

Total Energy (inc. ν): w100593 cce1e1_o
h_etotc
Entries 278967
Mean 348.7
RMS 2.292
Total Energy(GeV)

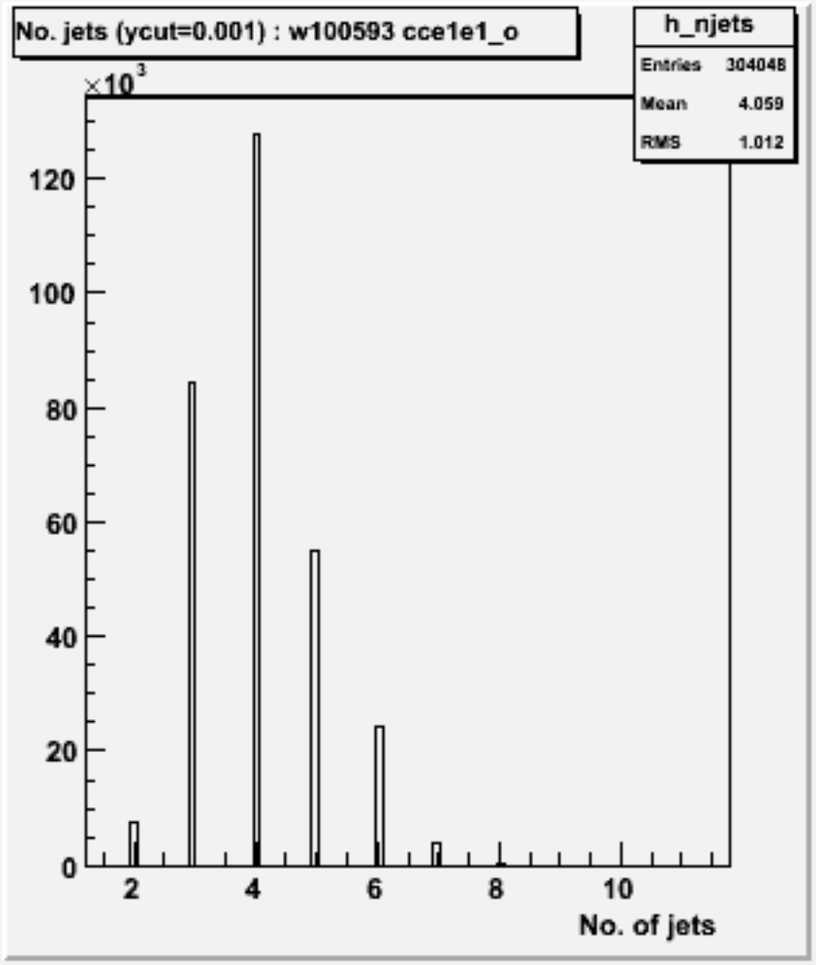

Total Energy (w/o ν): w100593 cce1e1_o
h_evis
Entries 304048
Mean 345.2
RMS 8.521
Energy(GeV)

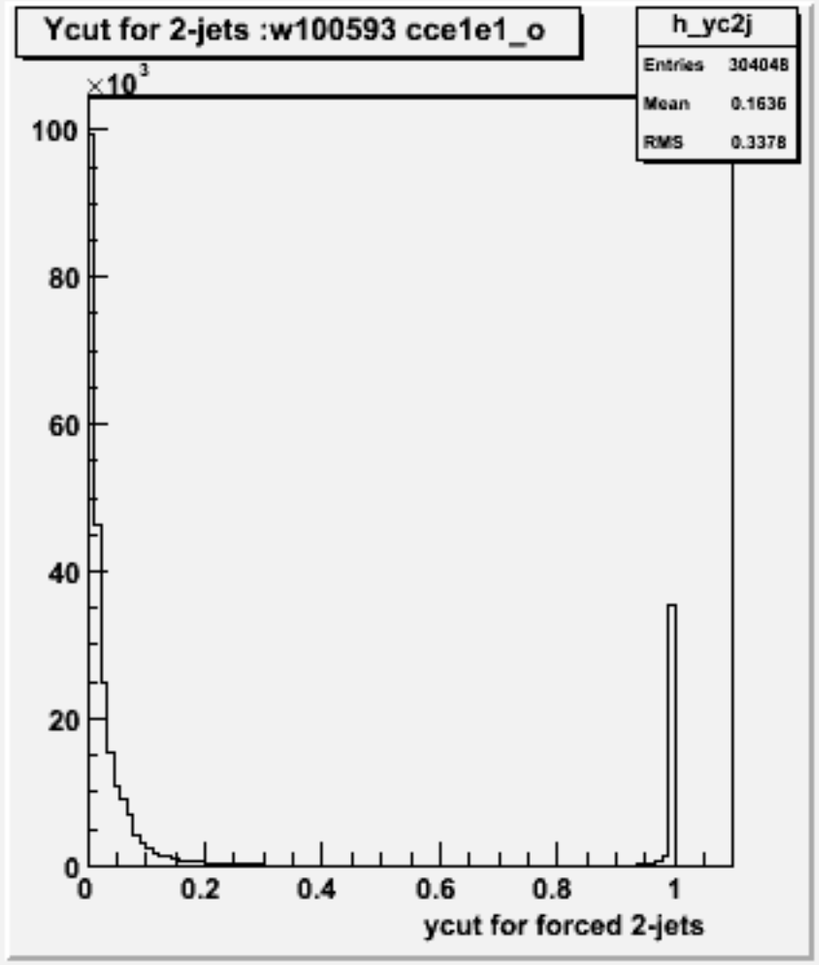

Pt Sum: w100593 cce1e1_o
h_pt
Entries 304048
Mean 0.644
RMS 1.871
Pt(sum) (GeV)

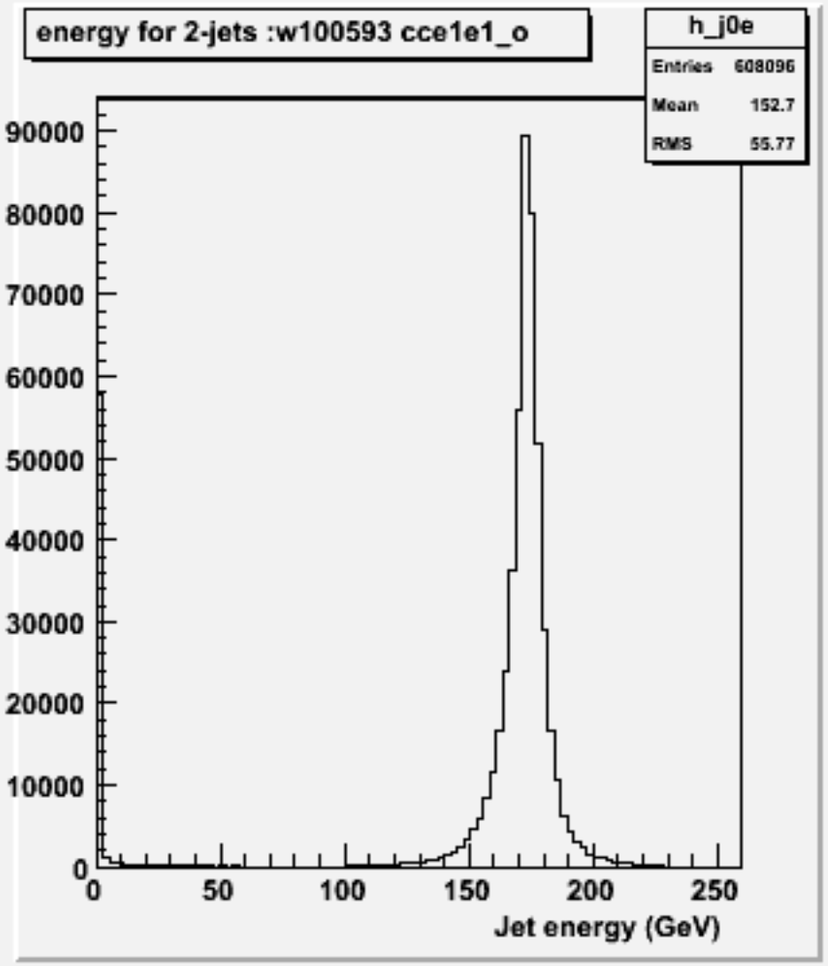

Pz Sum: w100593 cce1e1_o
h_pz
Entries 304048
Mean -0.008323
RMS 8.373
Pz(sum) (GeV)

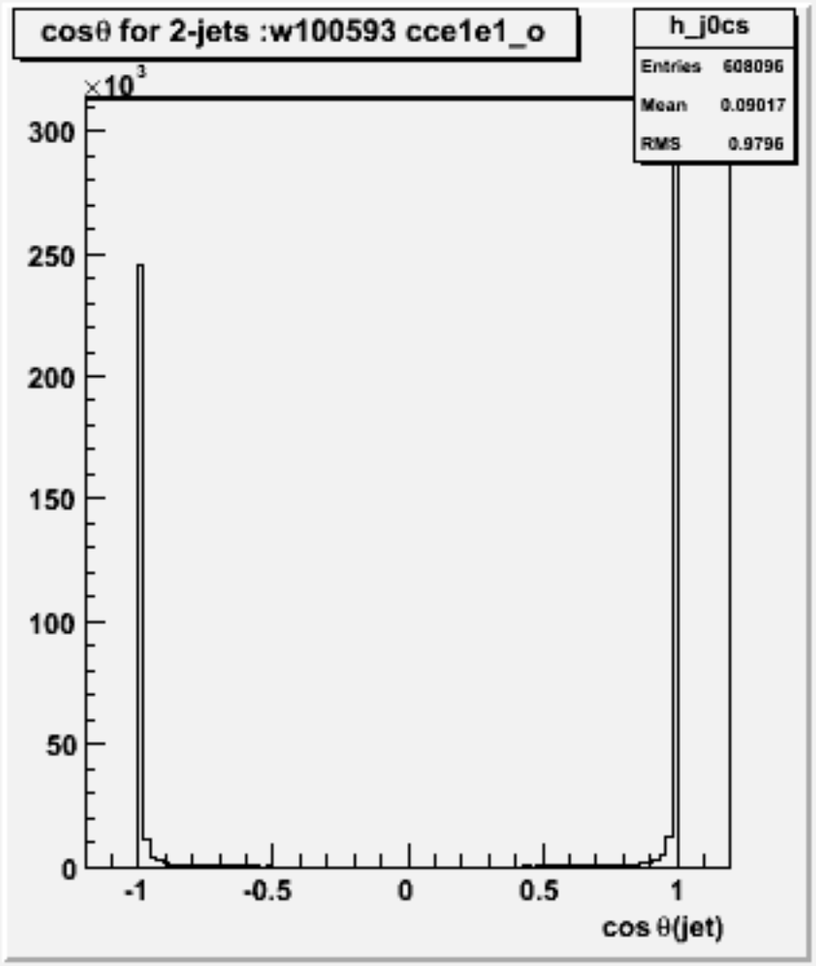

Thrust w100593 cce1e1_o
h_thrust
Entries 304048
Mean 0.9653
RMS 0.04368
Thrust

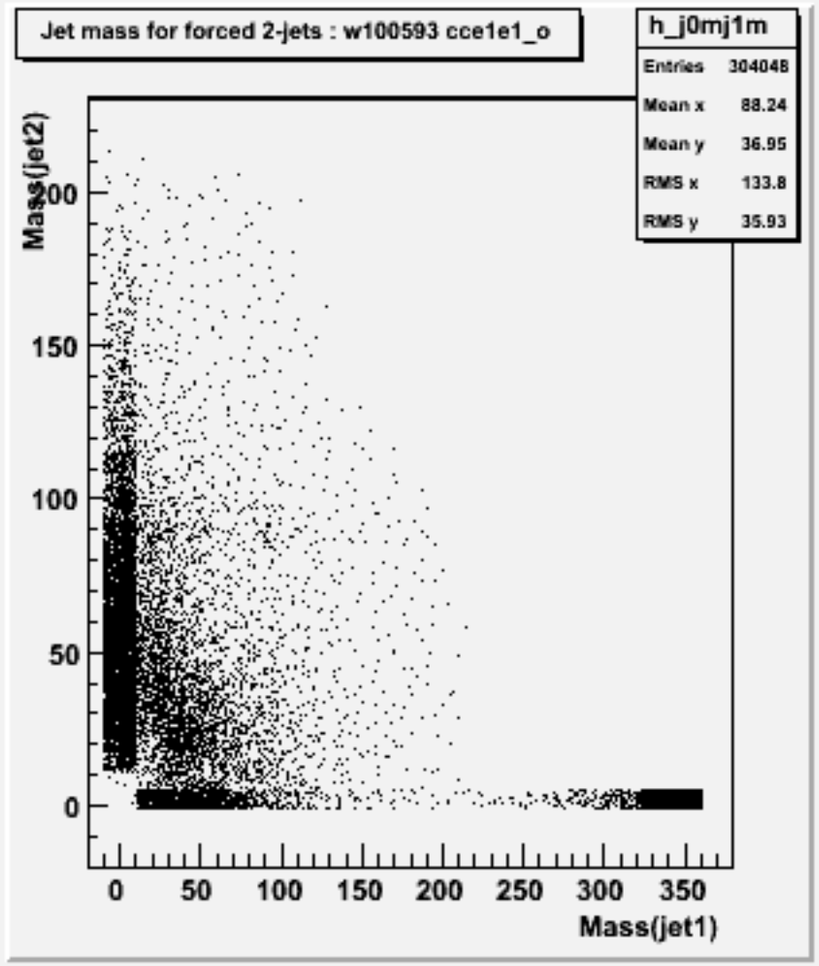

cosΘ(thrust) w100593 cce1e1_o
h_csth
Entries 304048
Mean 0.003284
RMS 0.9881
×10^3
Thrust

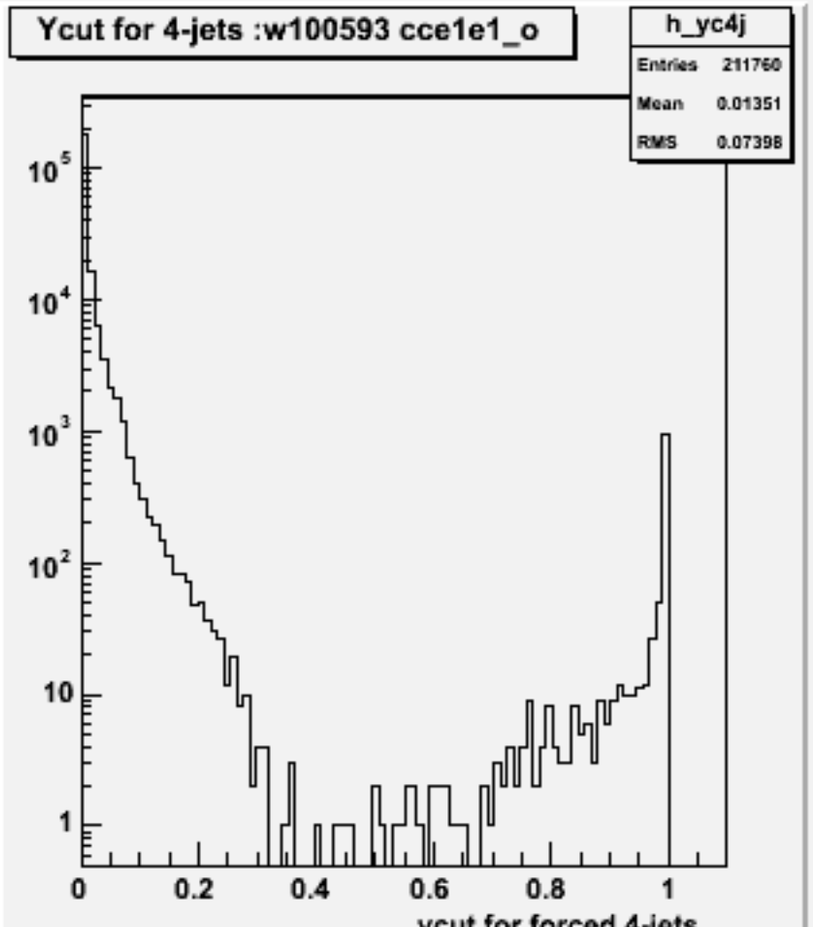

No. jets (ycut=0.001) : w100593 cce1e1_o
h_njets
Entries 304048
Mean 4.059
RMS 1.012
×10^3
No. of jets

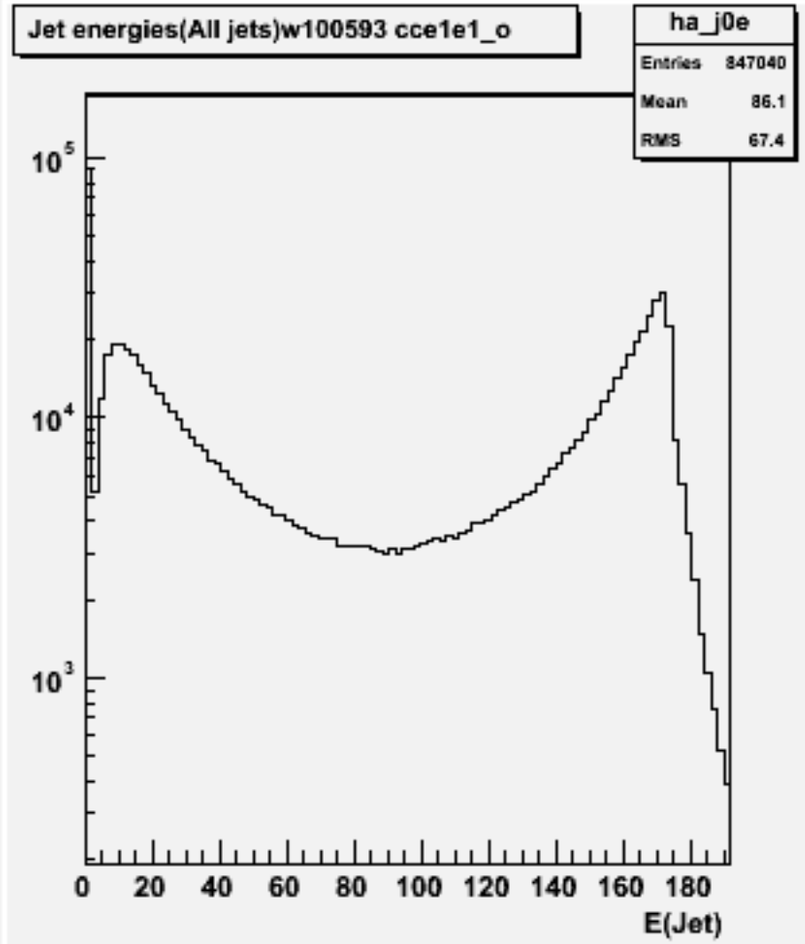

Ycut for 2-jets :w100593 cce1e1_o
h_yc2j
Entries 304048
Mean 0.1636
RMS 0.3378
×10^3
ycut for forced 2-jets

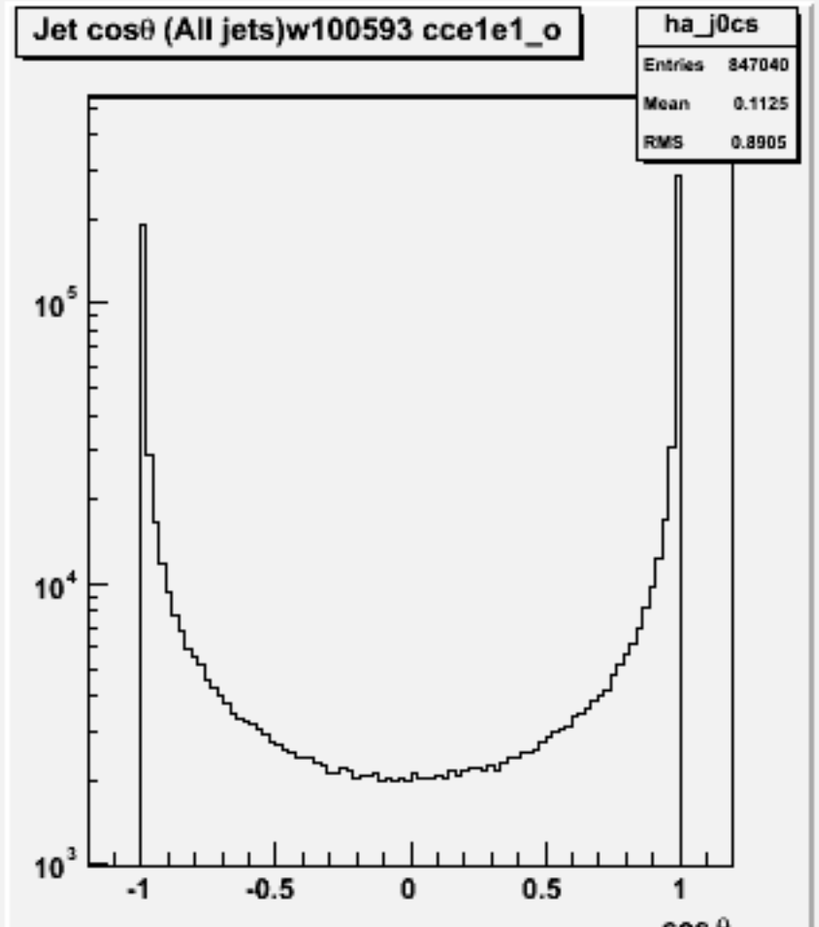

energy for 2-jets :w100593 cce1e1_o
h_j0e
Entries 608096
Mean 152.7
RMS 55.77
Jet energy (GeV)

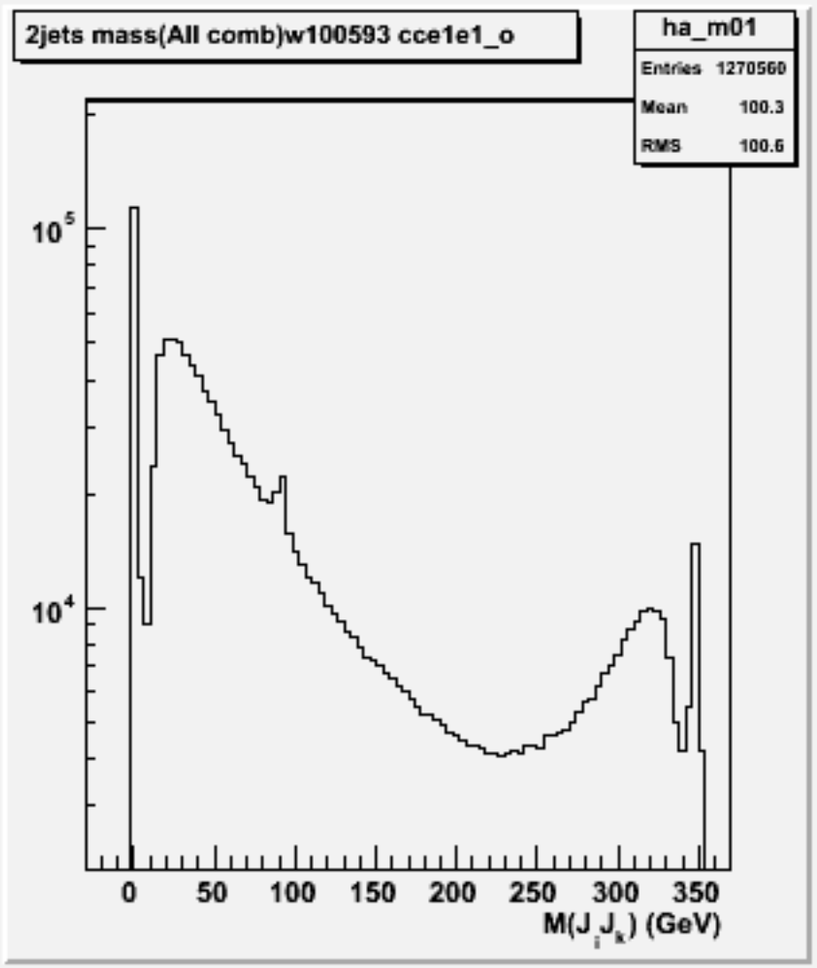

cosθ for 2-jets :w100593 cce1e1_o
h_j0cs
Entries 608096
Mean 0.09017
RMS 0.9796
×10^3
cos θ(jet)

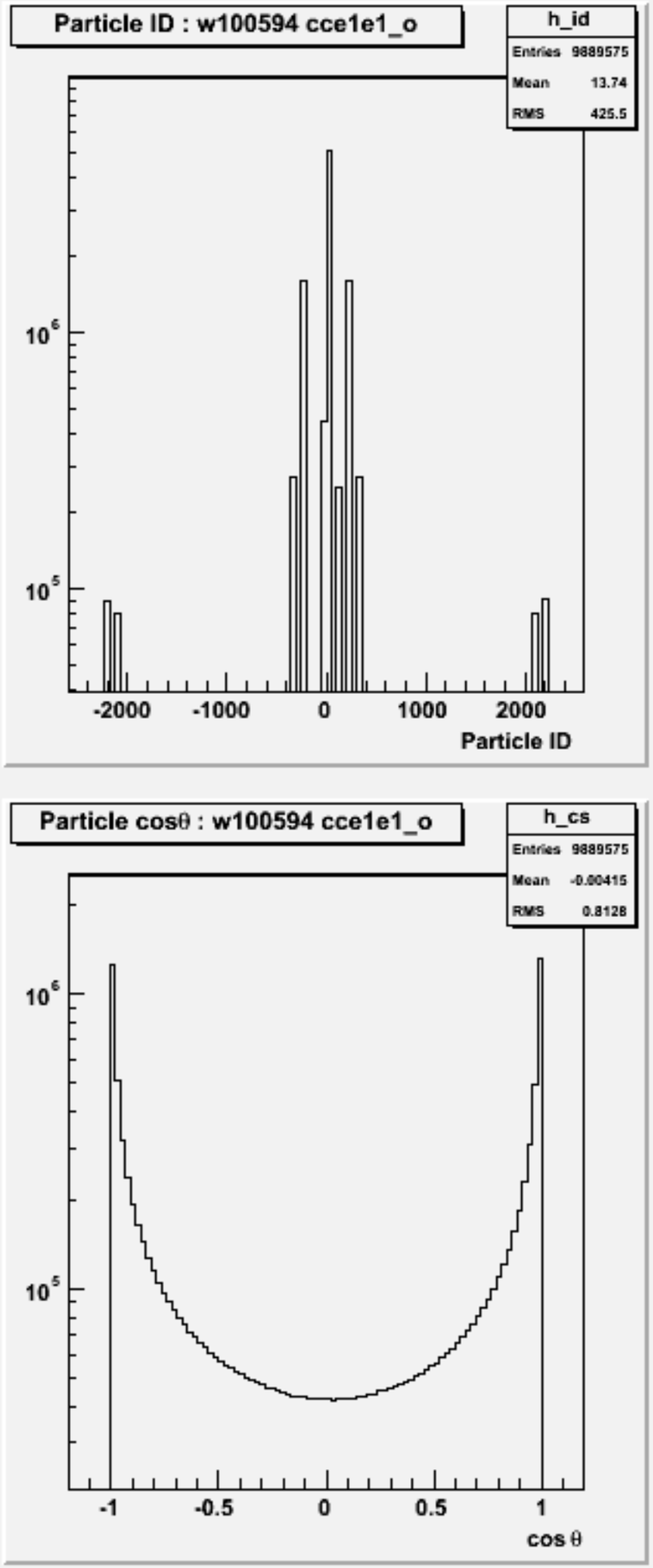

Jet mass for forced 2-jets : w100593 cce1e1_o
h_j0mj1m
Entries 304048
Mean x 88.24
Mean y 36.95
RMS x 133.8
RMS y 35.93
Mass(jet2)
Mass(jet1)

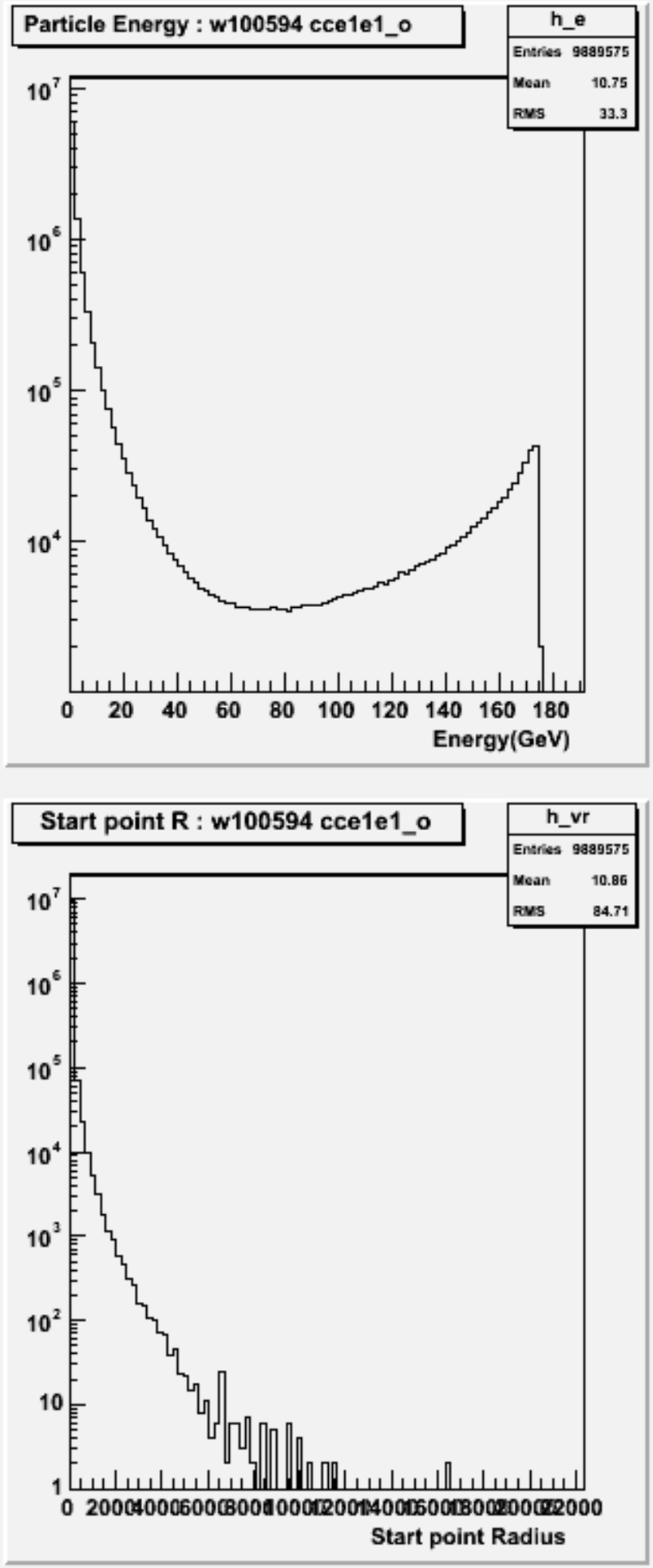

Ycut for 4-jets :w100593 cce1e1_o
h_yc4j
Entries 211760
Mean 0.01351
RMS 0.07398
ycut for forced 4-jets

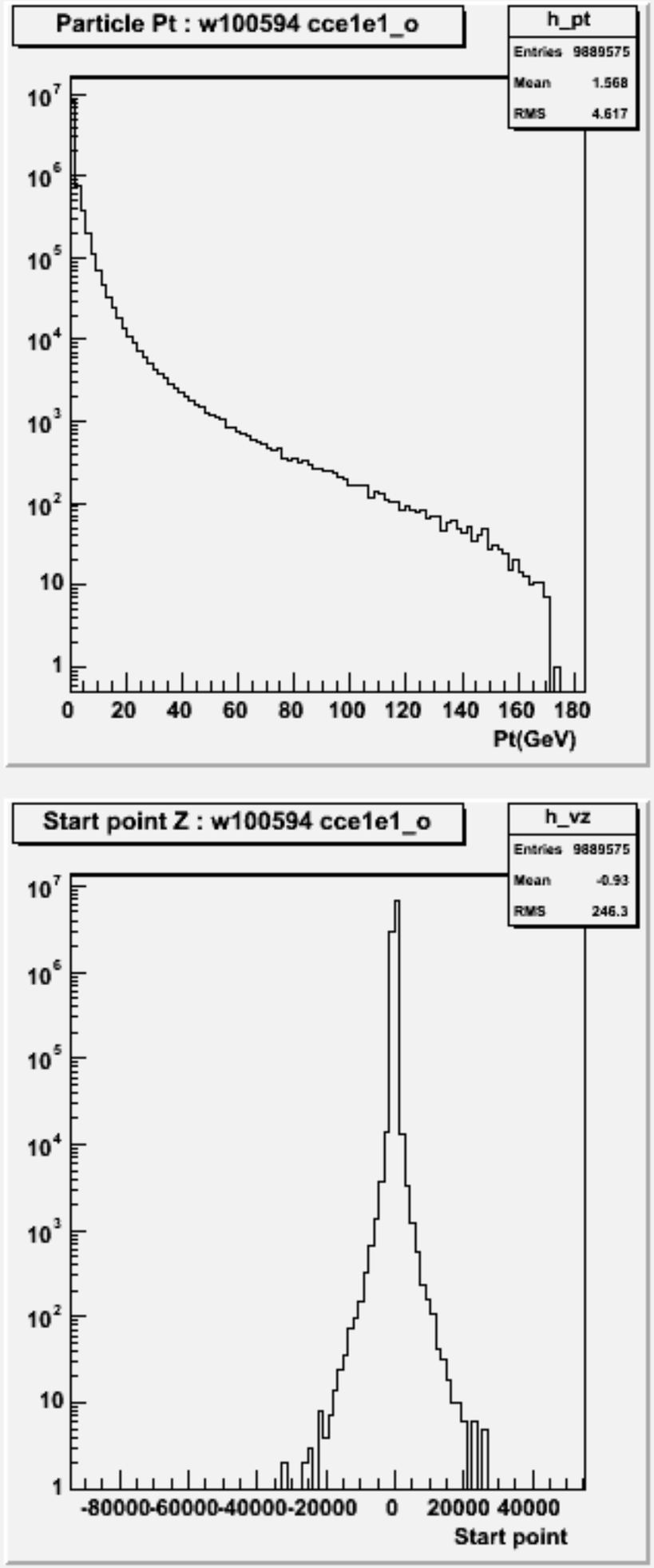

Jet energies(All jets)w100593 cce1e1_o
ha_j0e
Entries 847040
Mean 86.1
RMS 67.4
E(Jet)


Jet cosθ (All jets)w100593 cce1e1_o
ha_j0cs
Entries 847040
Mean 0.1125
RMS 0.8905
cos θ


2jets mass(All comb)w100593 cce1e1_o
ha_m01
Entries 1270560
Mean 100.3
RMS 100.6
M(J_iJ_k) (GeV)


Particle ID : w100594 cce1e1_o
h_id
Entries 9889575
Mean 13.74
RMS 425.5
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

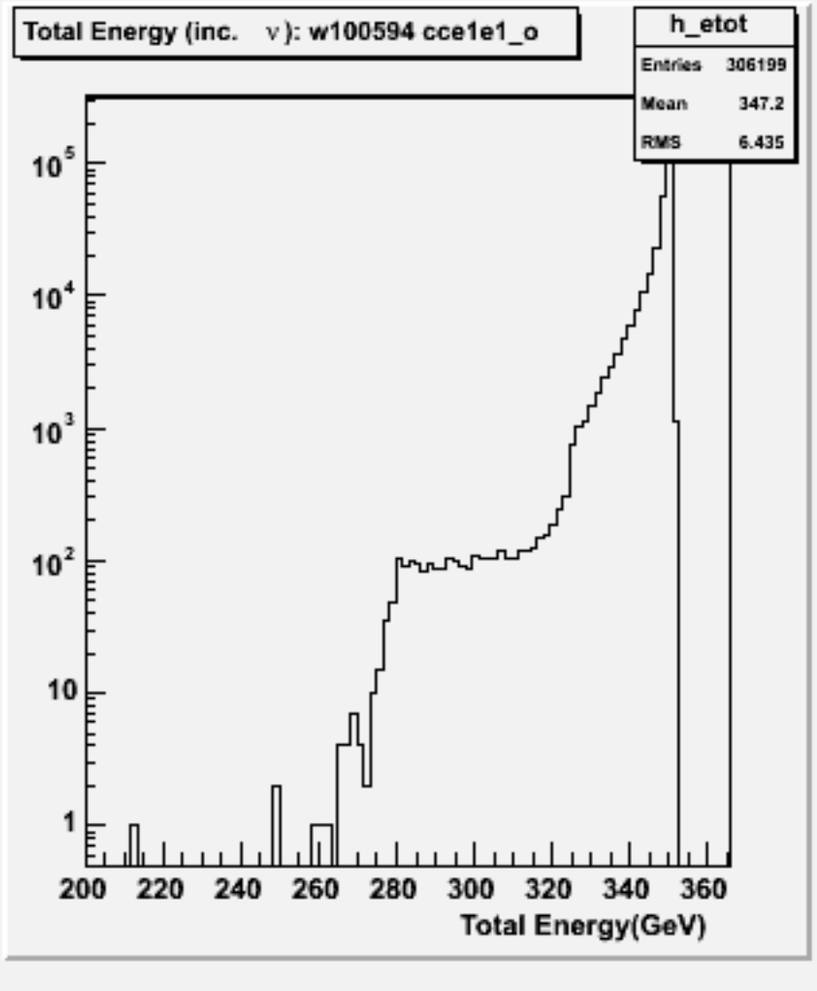

Particle Energy : w100594 cce1e1_o
h_e
Entries 9889575
Mean 10.75
RMS 33.3
10^7
10^6
10^5
10^4
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

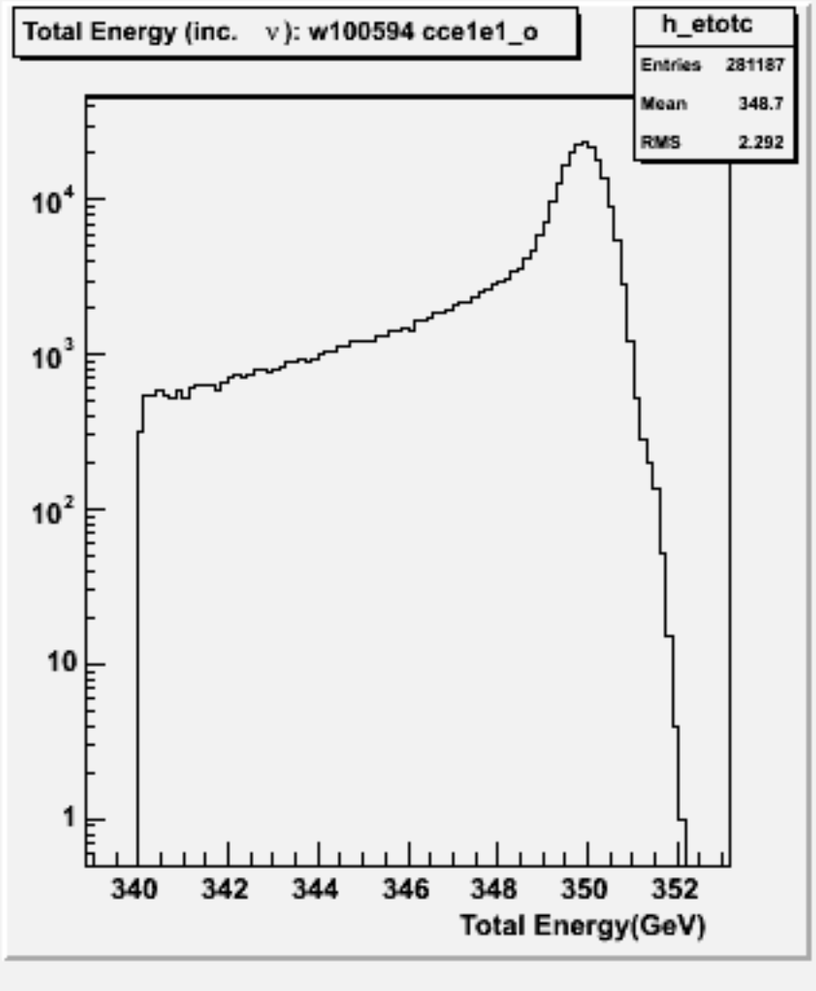

Particle Pt : w100594 cce1e1_o
h_pt
Entries 9889575
Mean 1.568
RMS 4.617
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

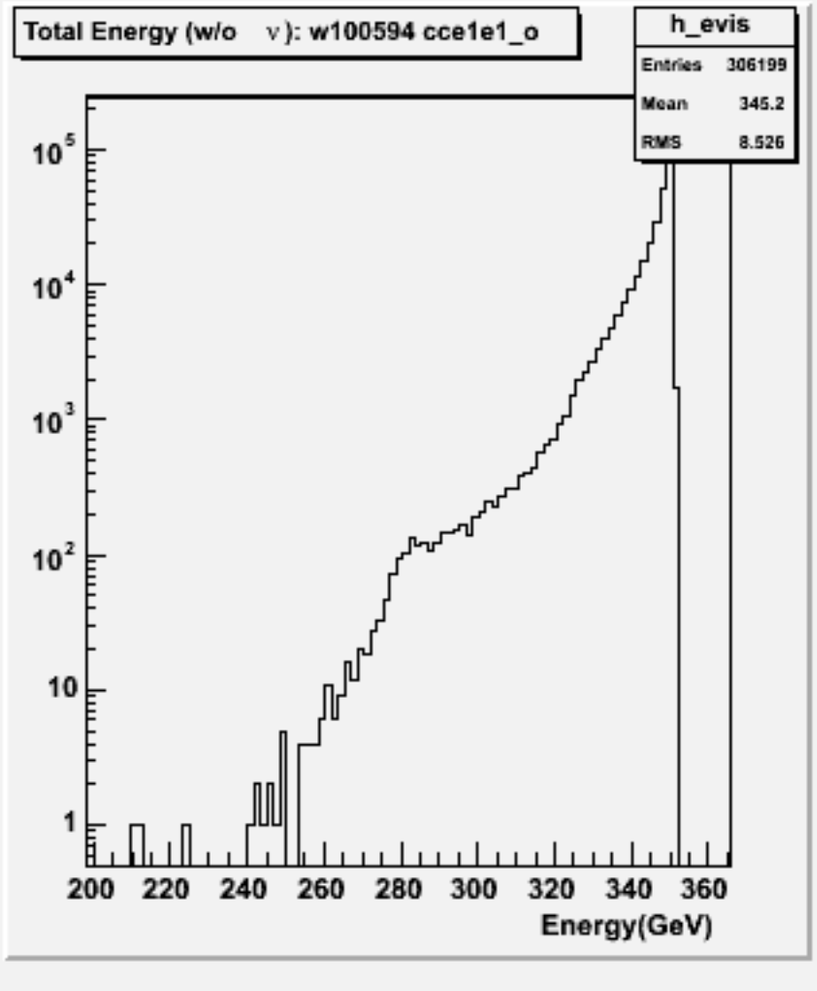
Particle cosθ : w100594 cce1e1_o
h_cs
Entries 9889575
Mean -0.00415
RMS 0.8128
10^6
10^5
-1
-0.5
0
0.5
1
cos θ

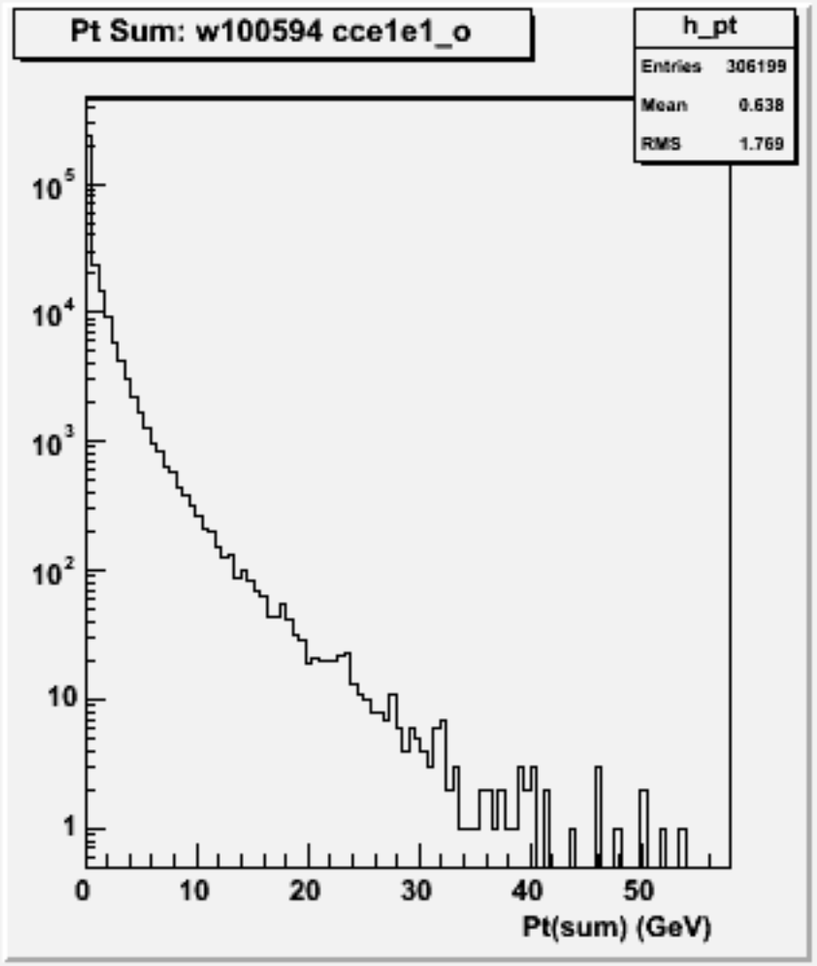
Start point R : w100594 cce1e1_o
h_vr
Entries 9889575
Mean 10.86
RMS 84.71
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000
Start point Radius

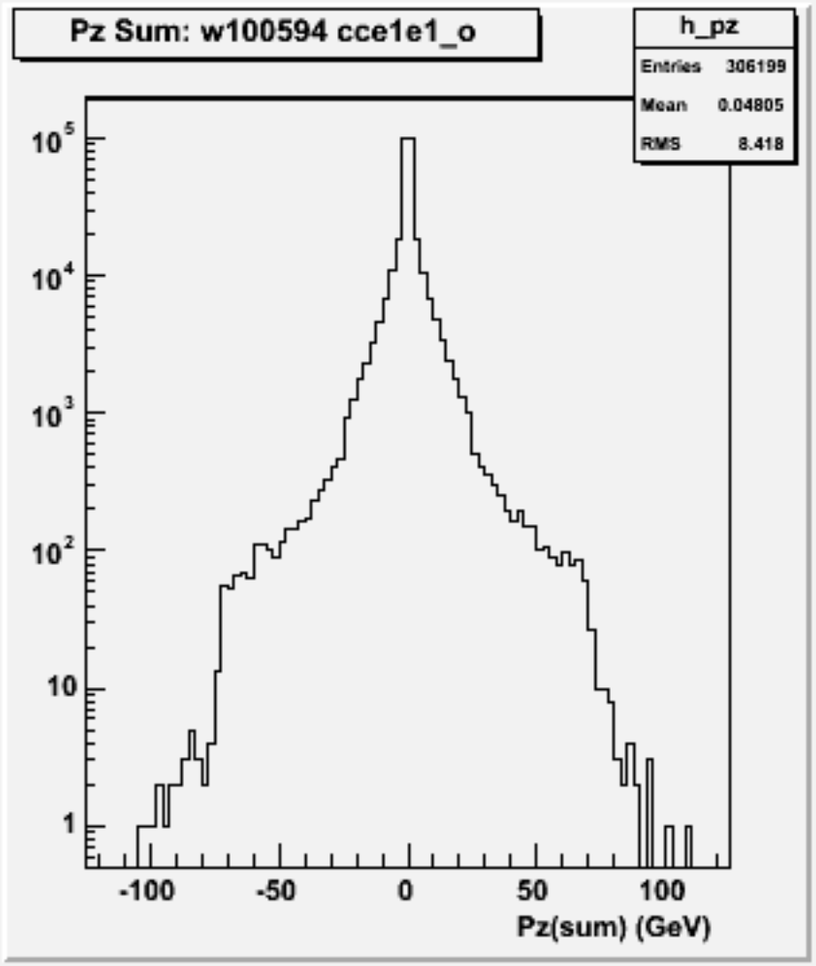
Start point Z : w100594 cce1e1_o
h_vz
Entries 9889575
Mean -0.93
RMS 246.3
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-80000 -60000 -40000 -20000 0 20000 40000
Start point

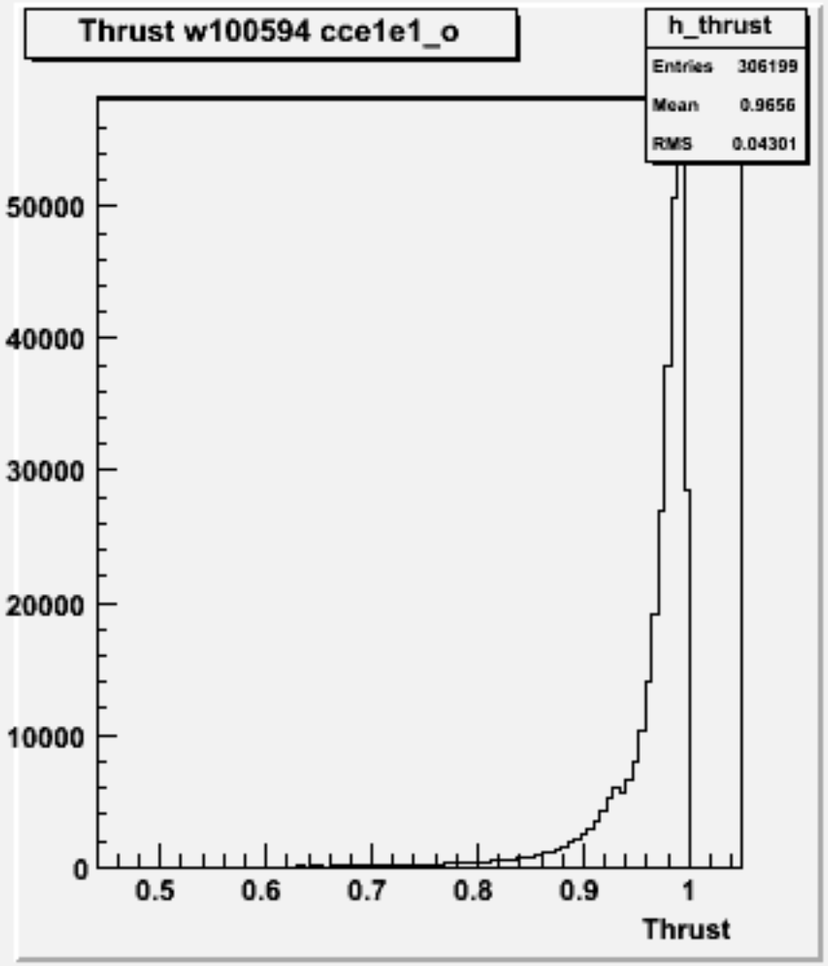

Total Energy (inc. ν): w100594 cce1e1_o
h_etot
Entries 306199
Mean 347.2
RMS 6.435
Total Energy(GeV)

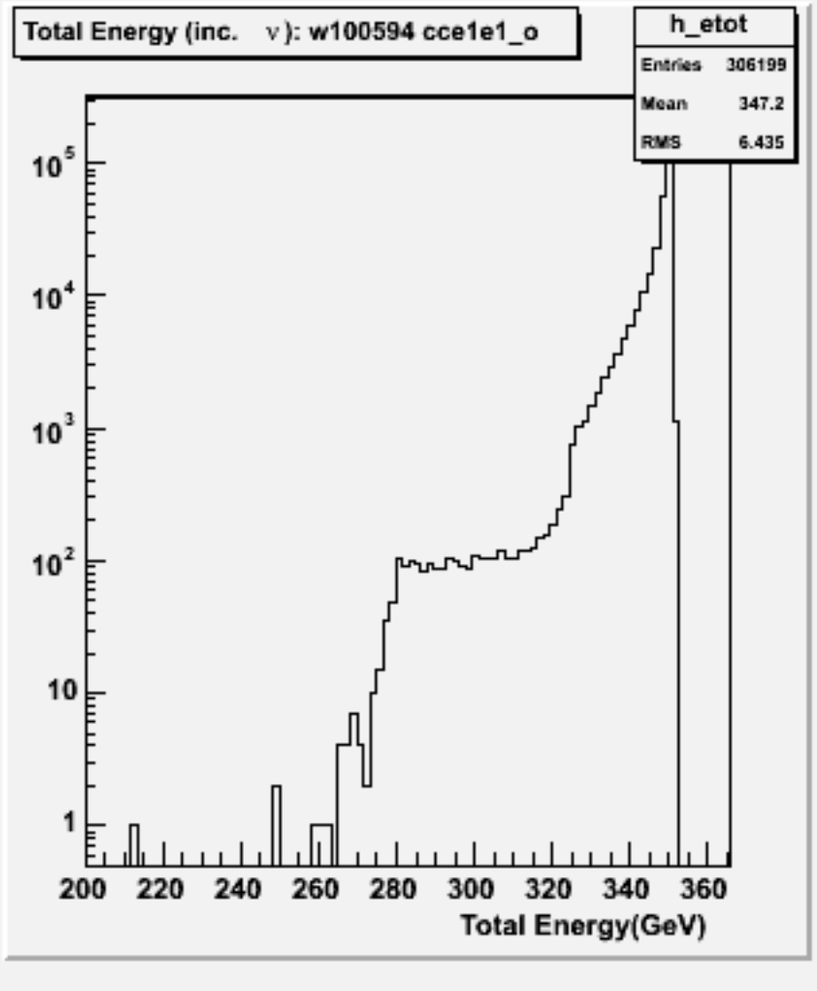

Total Energy (inc. ν): w100594 cce1e1_o
h_etotc
Entries 281187
Mean 348.7
RMS 2.292
Total Energy(GeV)

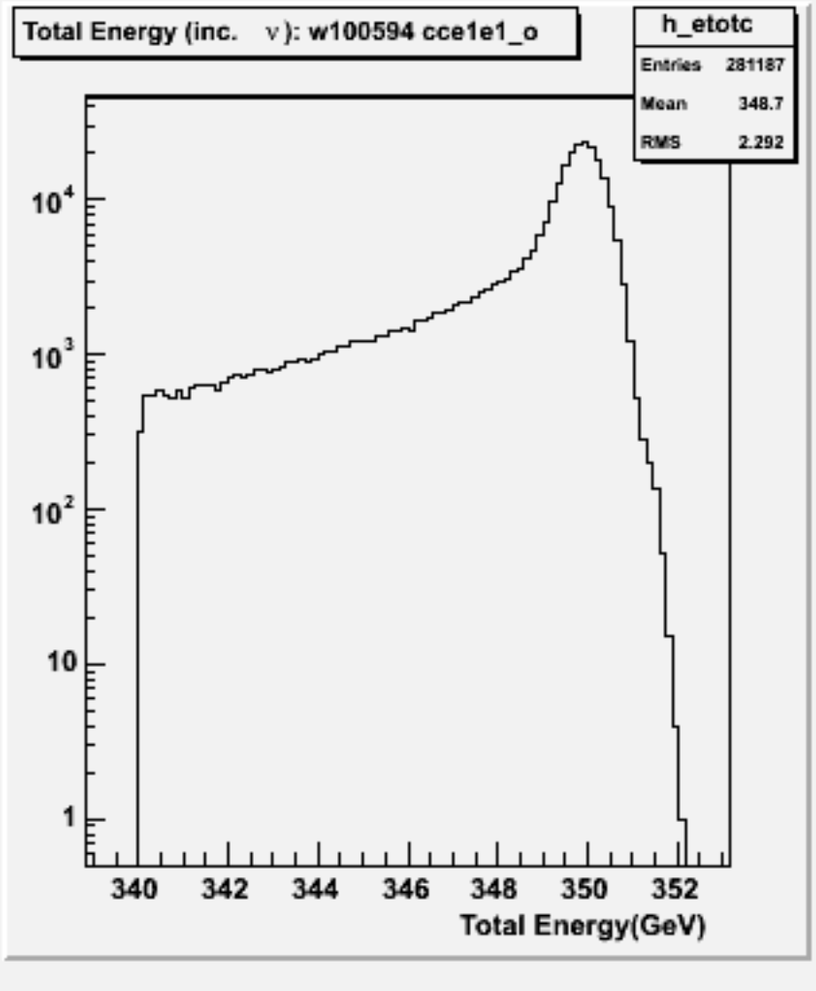

Total Energy (w/o ν): w100594 cce1e1_o
h_evis
Entries 306199
Mean 345.2
RMS 8.526
Energy(GeV)

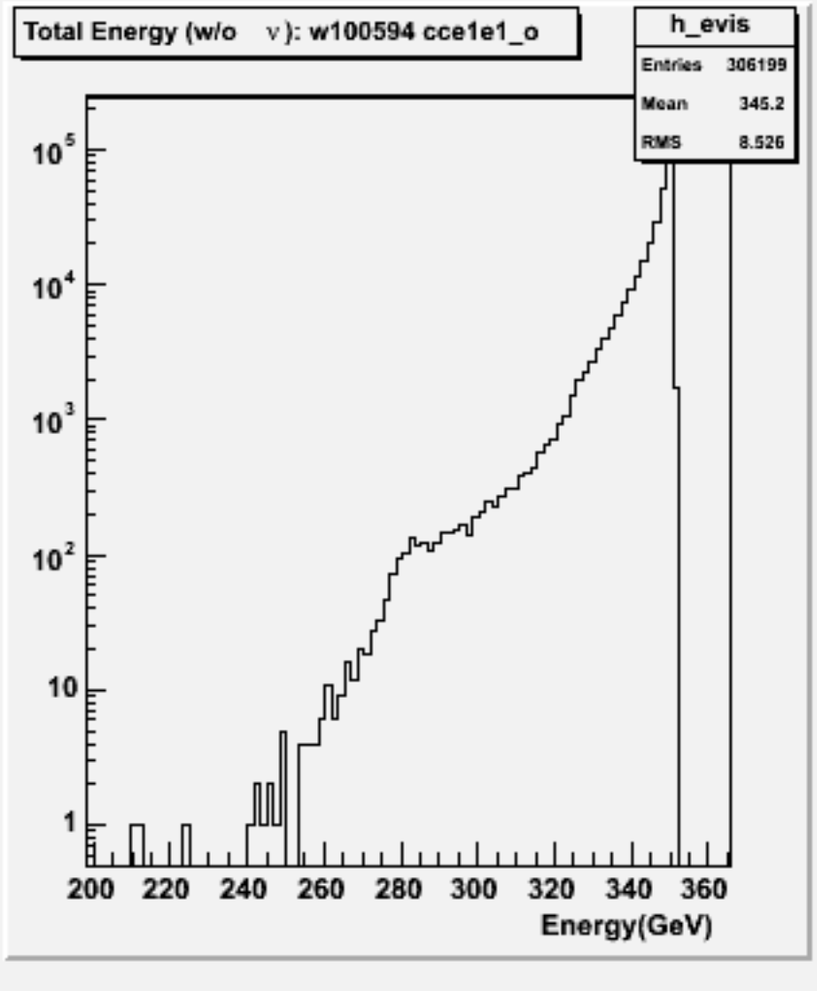

Pt Sum: w100594 cce1e1_o
h_pt
Entries 306199
Mean 0.638
RMS 1.769
Pt(sum) (GeV)

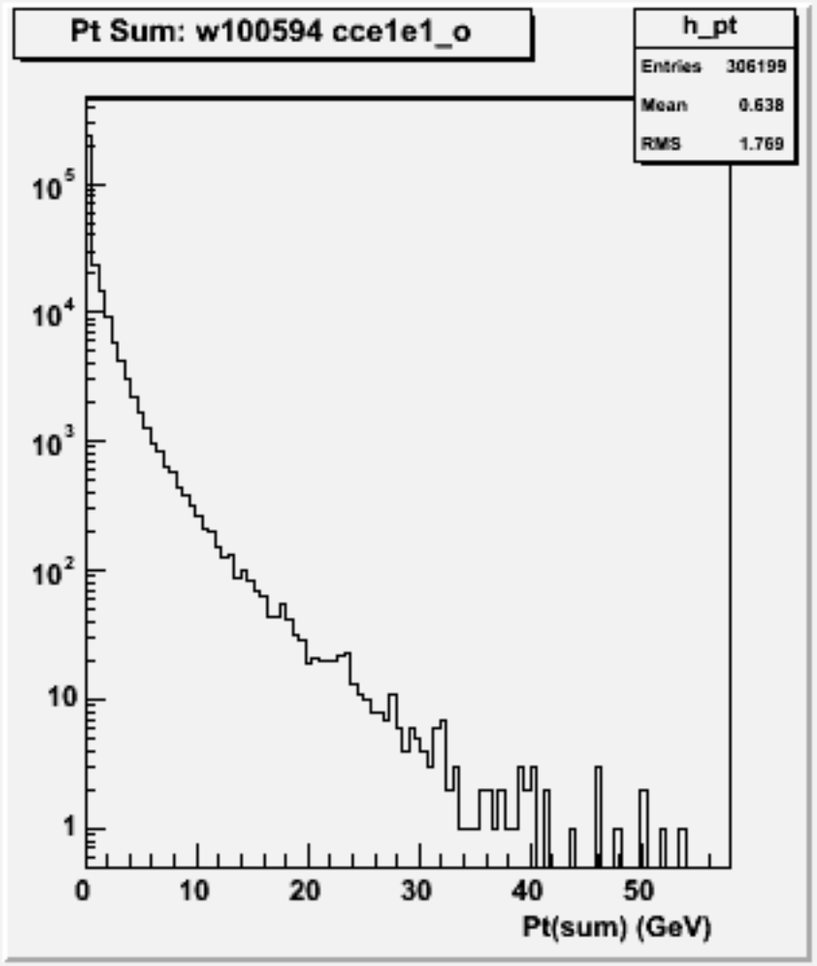

Pz Sum: w100594 cce1e1_o
h_pz
Entries 306199
Mean 0.04805
RMS 8.418
Pz(sum) (GeV)

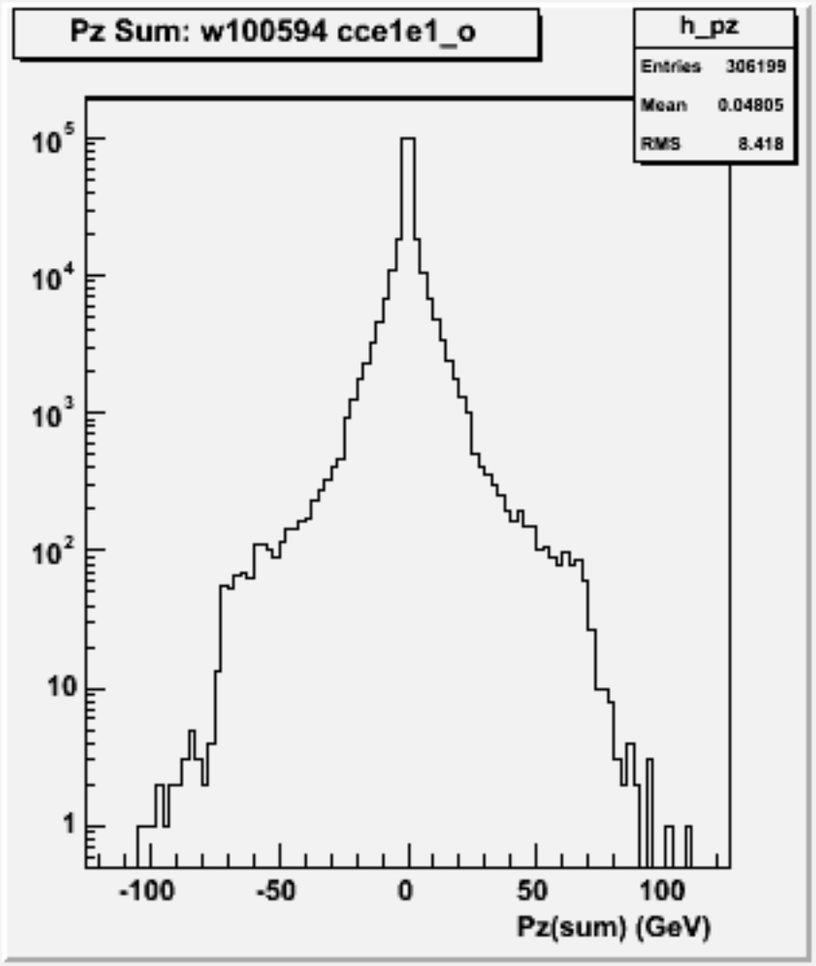

Thrust w100594 cce1e1_o
h_thrust
Entries 306199
Mean 0.9656
RMS 0.04301
Thrust

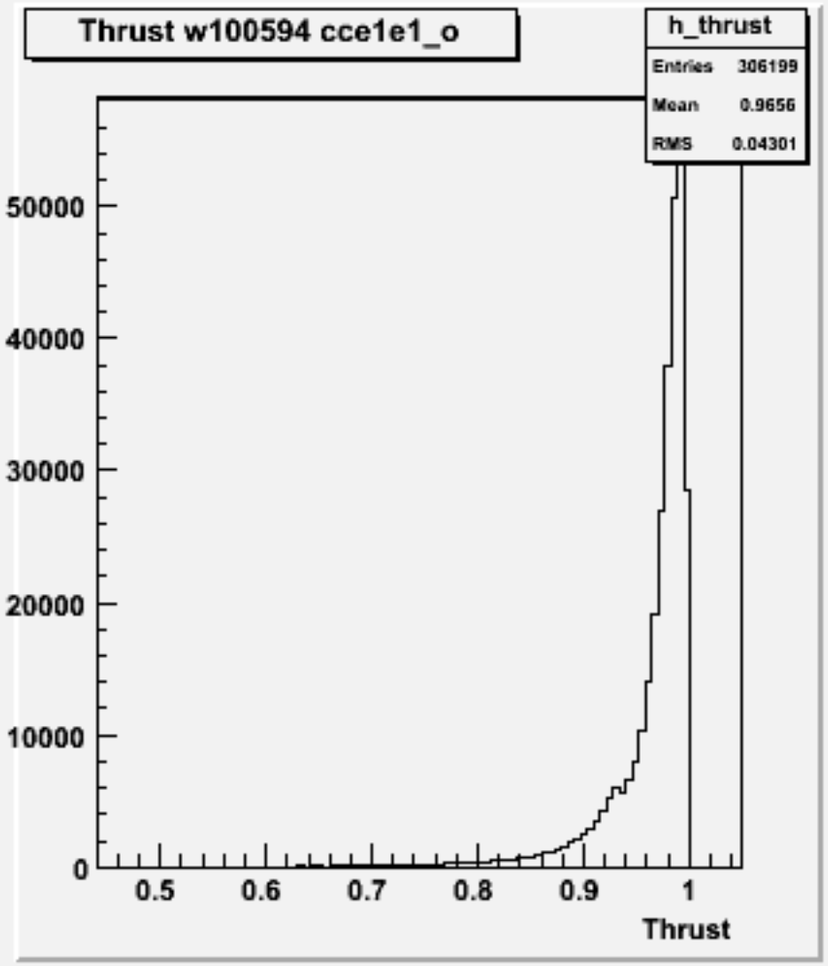

Total Energy (inc. ν): w100594 cce1e1_o
h_etot
Entries 306199
Mean 347.2
RMS 6.435
Total Energy(GeV)

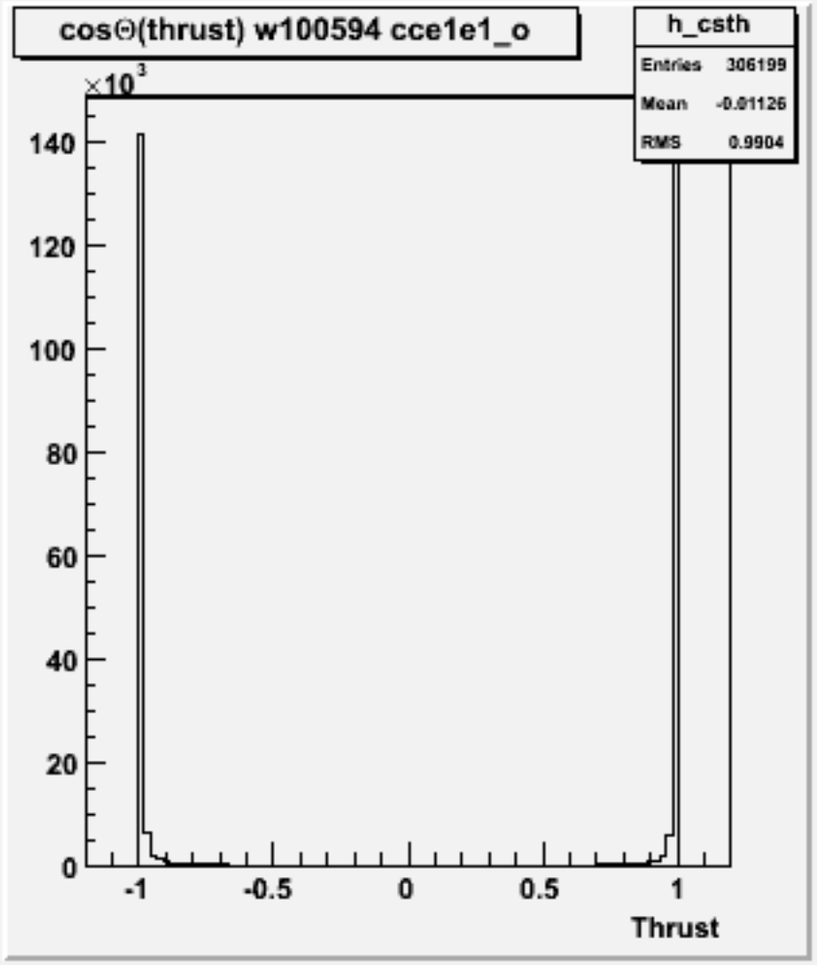

Total Energy (inc. ν): w100594 cce1e1_o
h_etotc
Entries 281187
Mean 348.7
RMS 2.292
Total Energy(GeV)

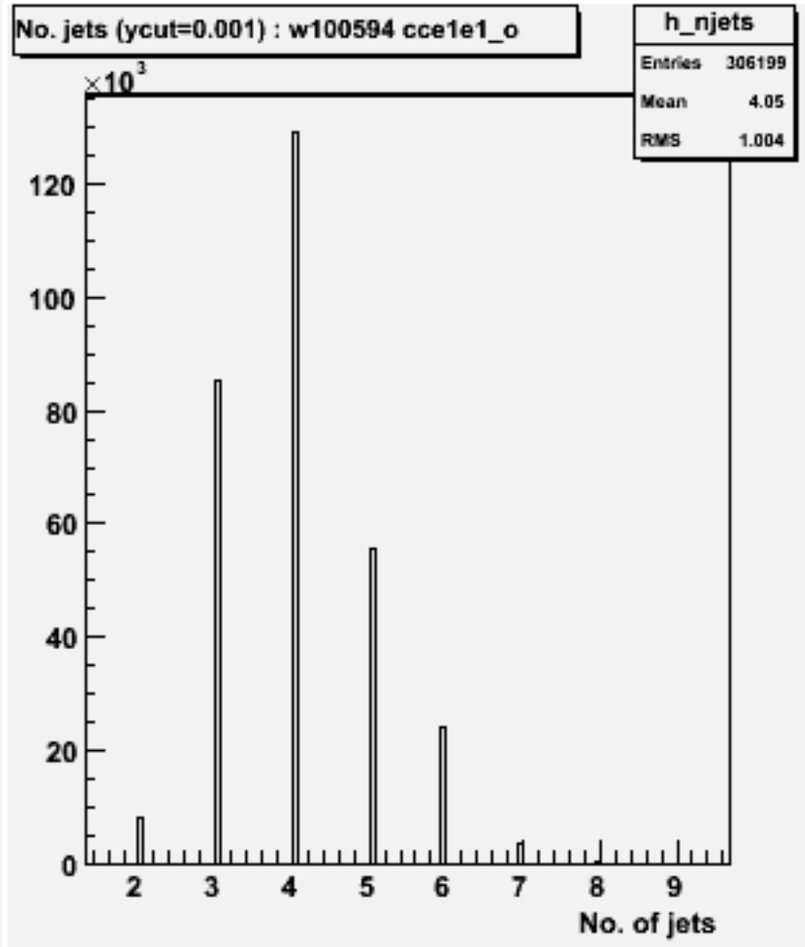

Total Energy (w/o ν): w100594 cce1e1_o
h_evis
Entries 306199
Mean 345.2
RMS 8.526
Energy(GeV)

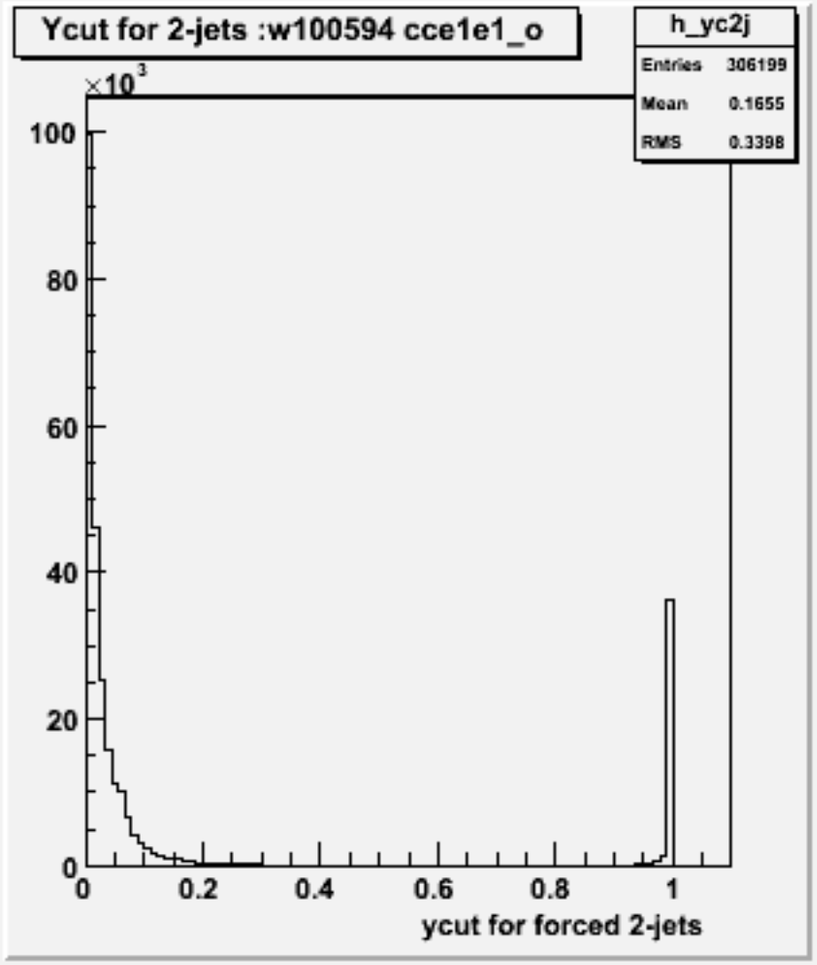

Pt Sum: w100594 cce1e1_o
h_pt
Entries 306199
Mean 0.638
RMS 1.769
Pt(sum) (GeV)

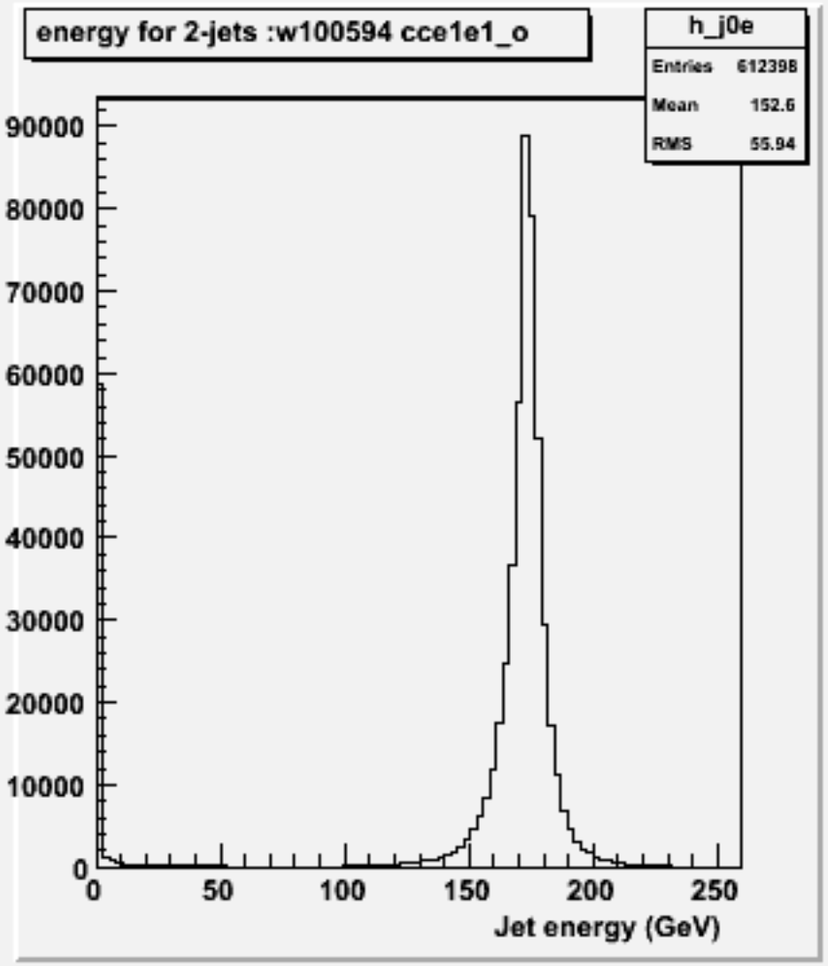

Pz Sum: w100594 cce1e1_o
h_pz
Entries 306199
Mean 0.04805
RMS 8.418
Pz(sum) (GeV)

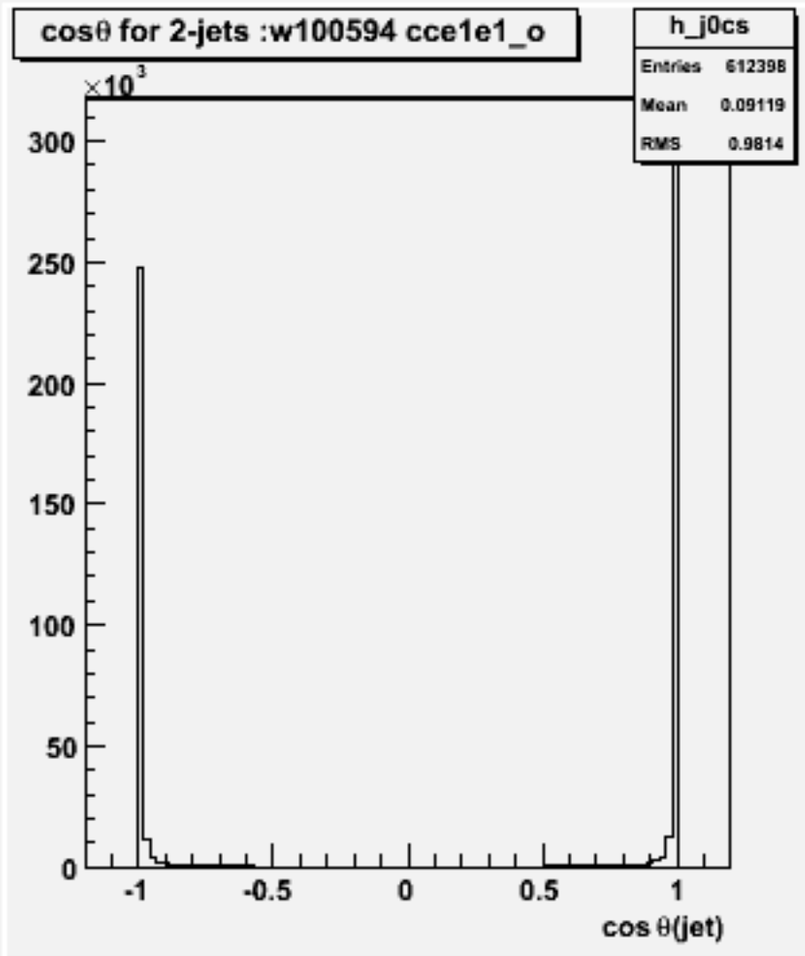

Thrust w100594 cce1e1_o
h_thrust
Entries 306199
Mean 0.9656
RMS 0.04301
Thrust

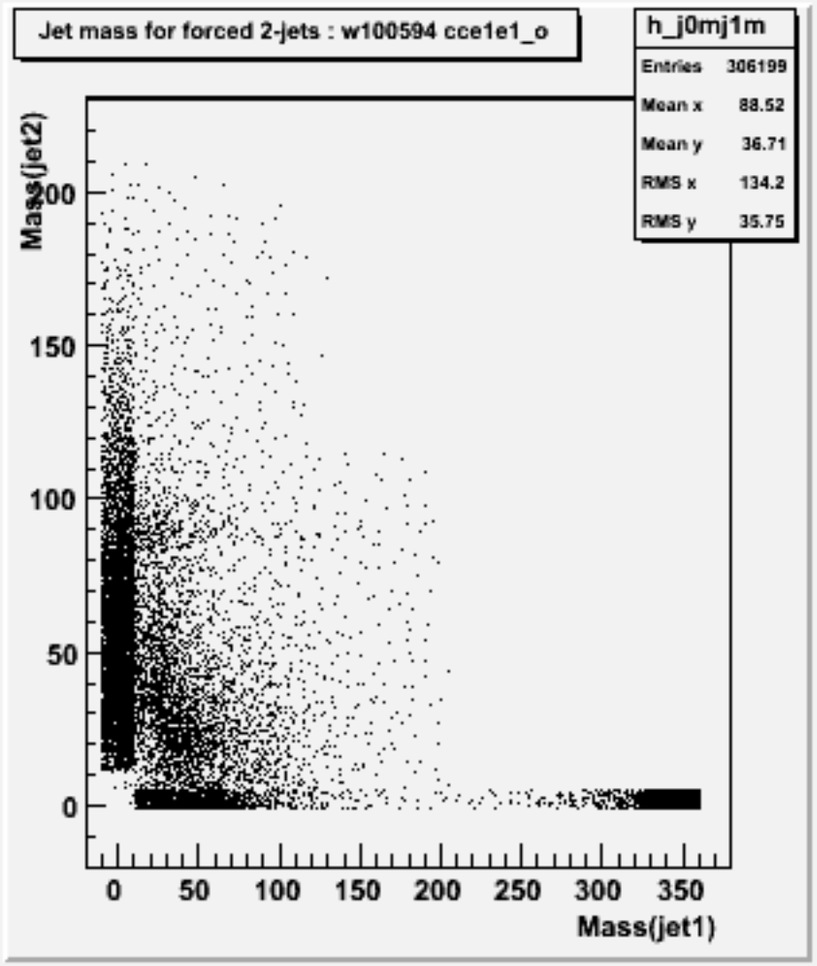

cosΘ(thrust) w100594 cce1e1_o
h_csth
Entries 306199
Mean -0.01126
RMS 0.9904
×10^3
Thrust

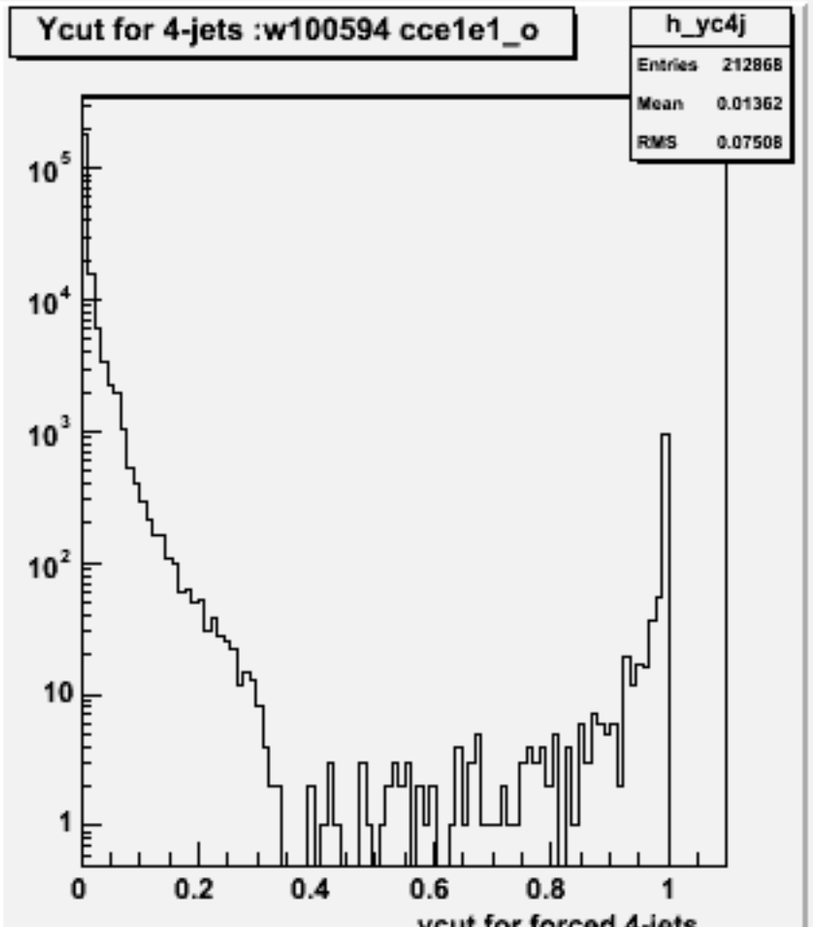

No. jets (ycut=0.001) : w100594 cce1e1_o
h_njets
Entries 306199
Mean 4.05
RMS 1.004
×10^3
No. of jets

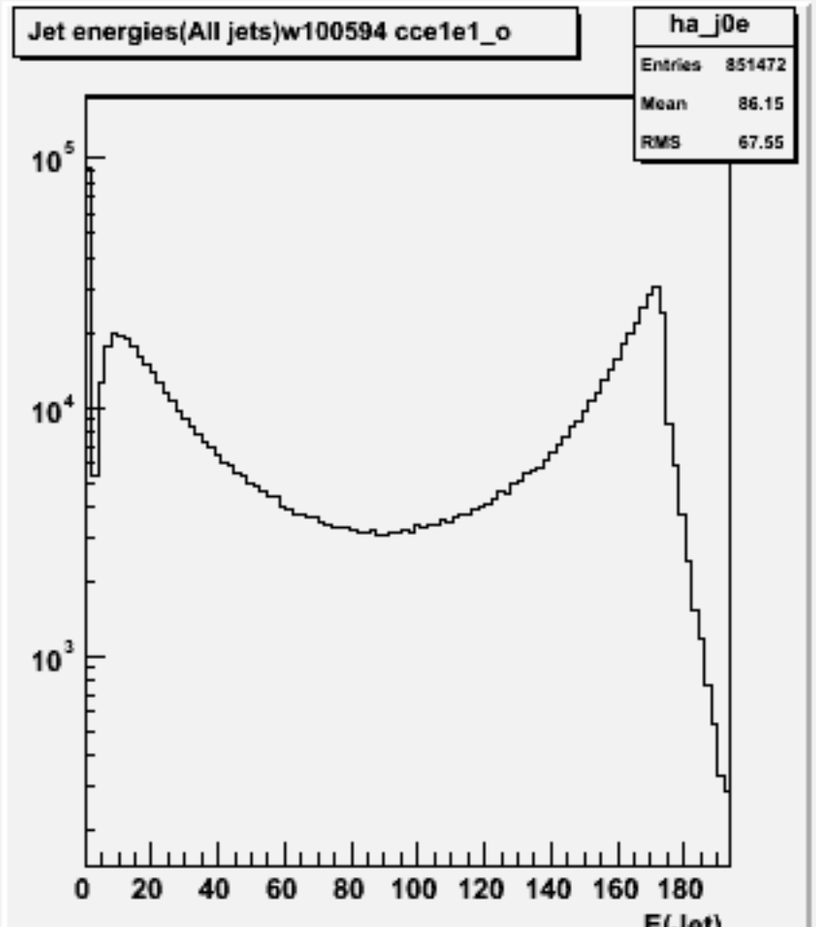

Ycut for 2-jets :w100594 cce1e1_o
h_yc2j
Entries 306199
Mean 0.1655
RMS 0.3398
×10^3
ycut for forced 2-jets

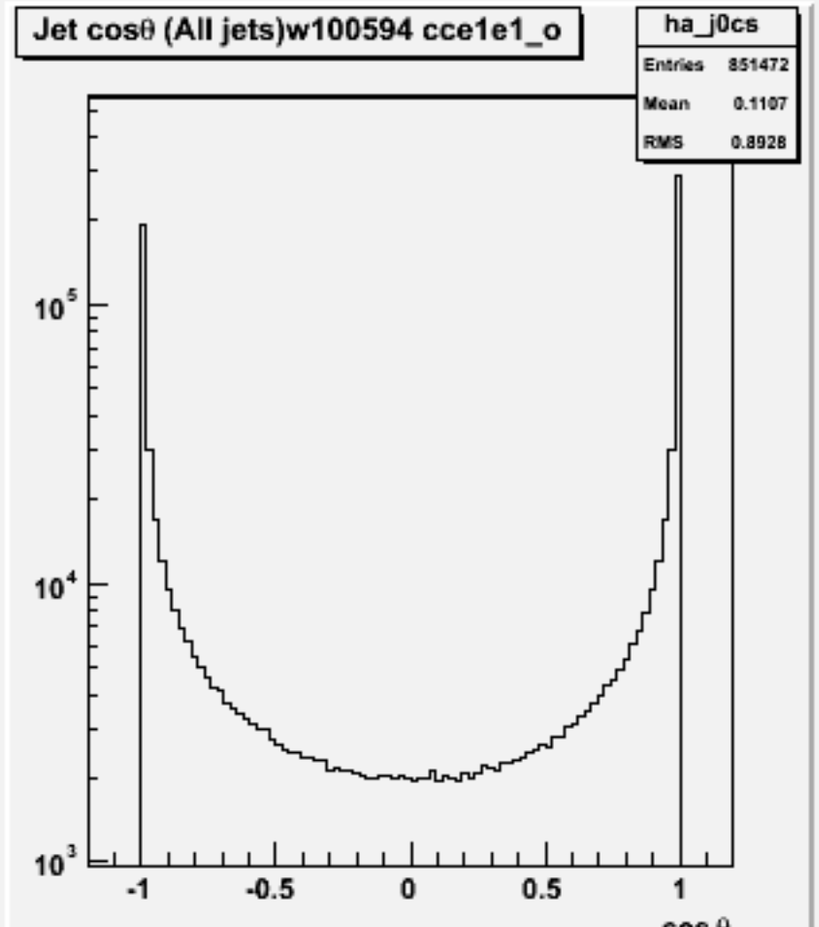

energy for 2-jets :w100594 cce1e1_o
h_j0e
Entries 612398
Mean 152.6
RMS 55.94
Jet energy (GeV)

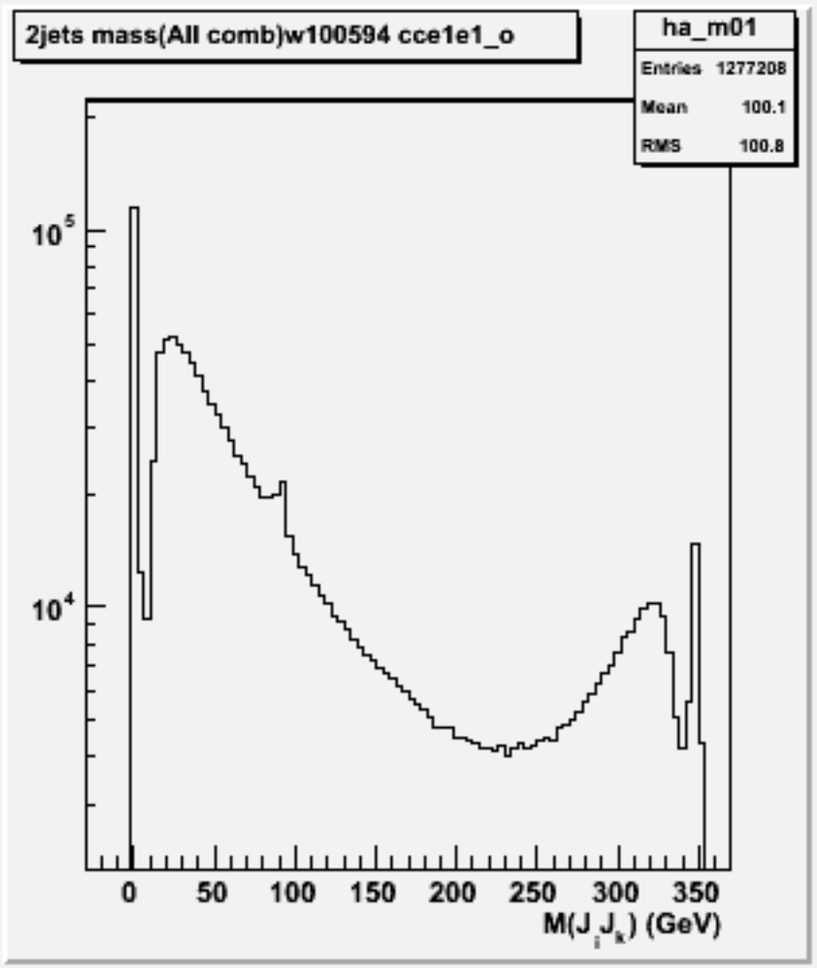

cosθ for 2-jets :w100594 cce1e1_o
h_j0cs
Entries 612398
Mean 0.09119
RMS 0.9814
×10^3
cos θ(jet)

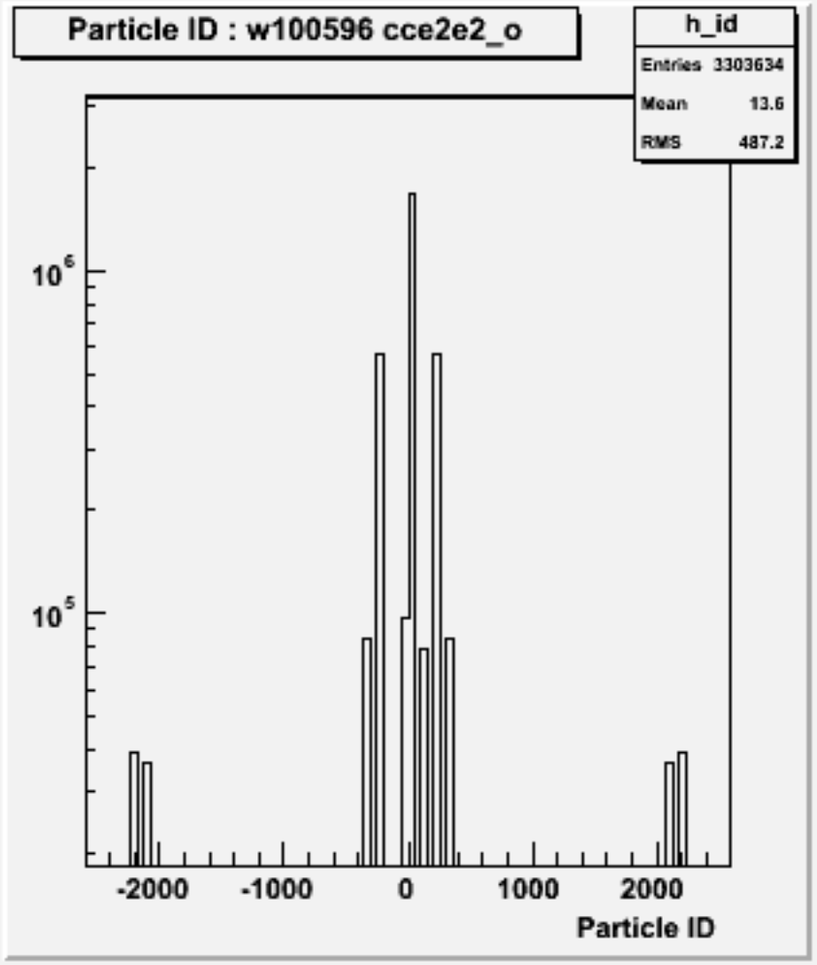

Jet mass for forced 2-jets : w100594 cce1e1_o
h_j0mj1m
Entries 306199
Mean x 88.52
Mean y 36.71
RMS x 134.2
RMS y 35.75
Mass(jet2)
Mass(jet1)

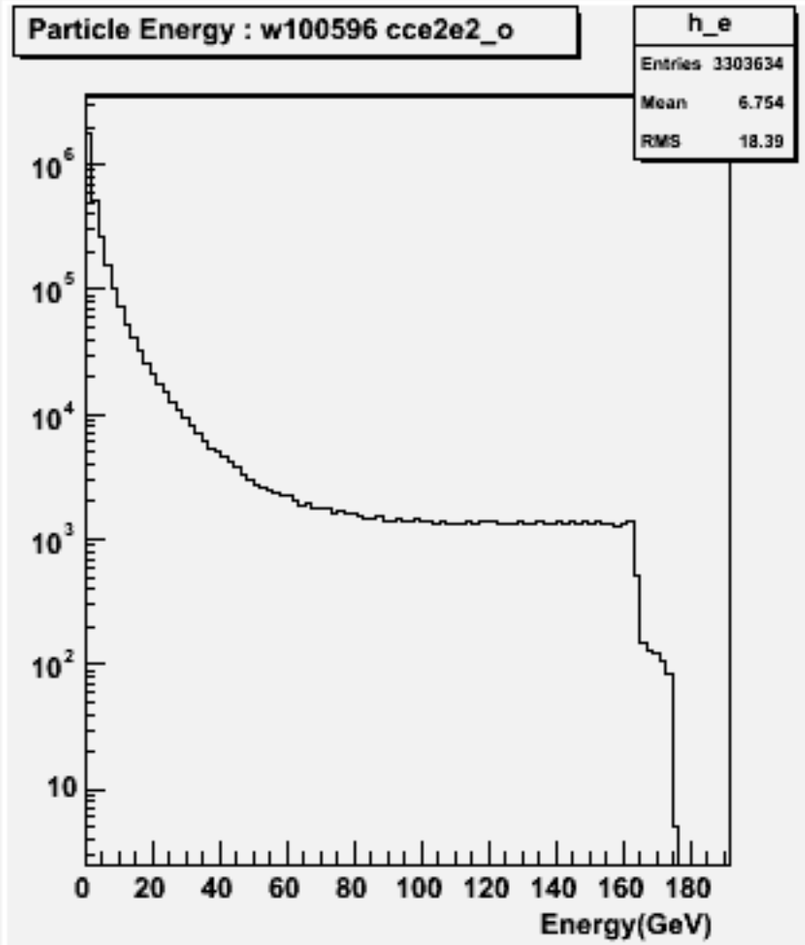

Ycut for 4-jets :w100594 cce1e1_o
h_yc4j
Entries 212868
Mean 0.01362
RMS 0.07508
ycut for forced 4-jets

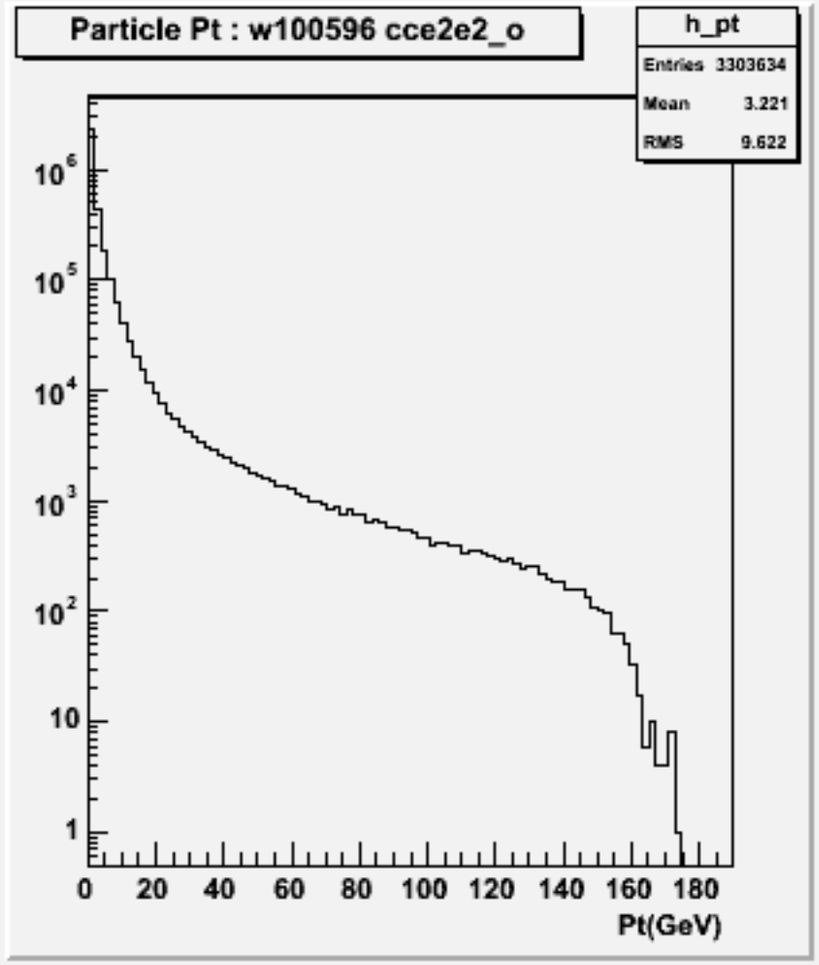

Jet energies(All jets)w100594 cce1e1_o
ha_j0e
Entries 851472
Mean 86.15
RMS 67.55
E(Jet)

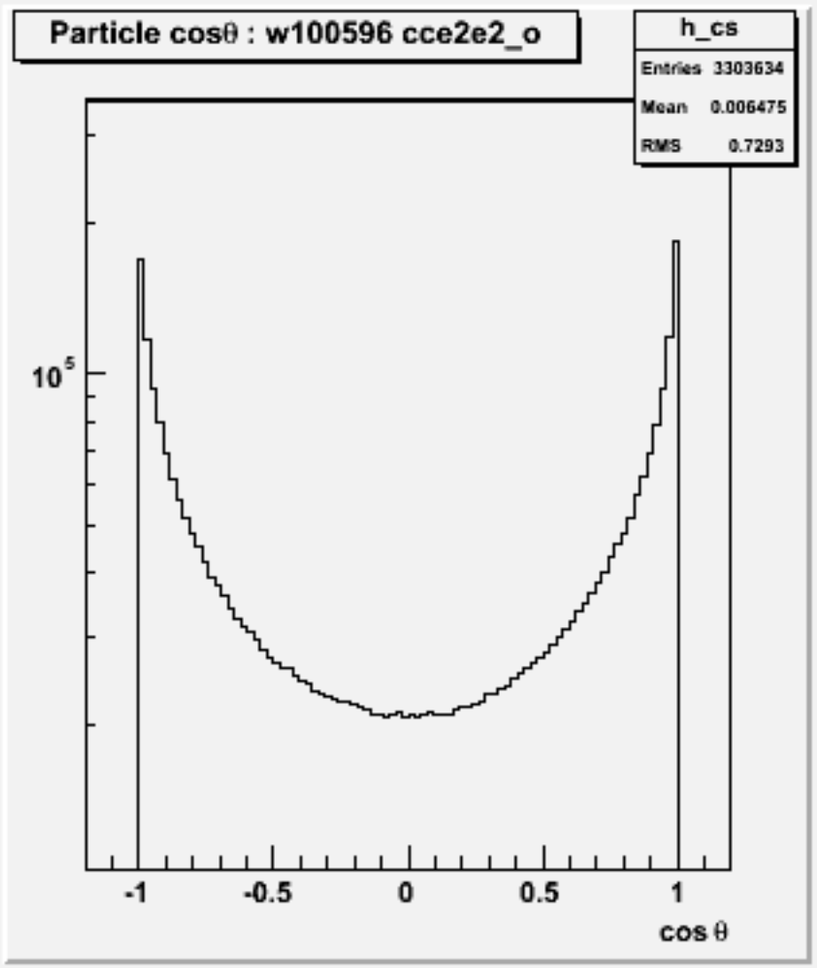

Jet cosθ (All jets)w100594 cce1e1_o
ha_j0cs
Entries 851472
Mean 0.1107
RMS 0.8928
cos θ

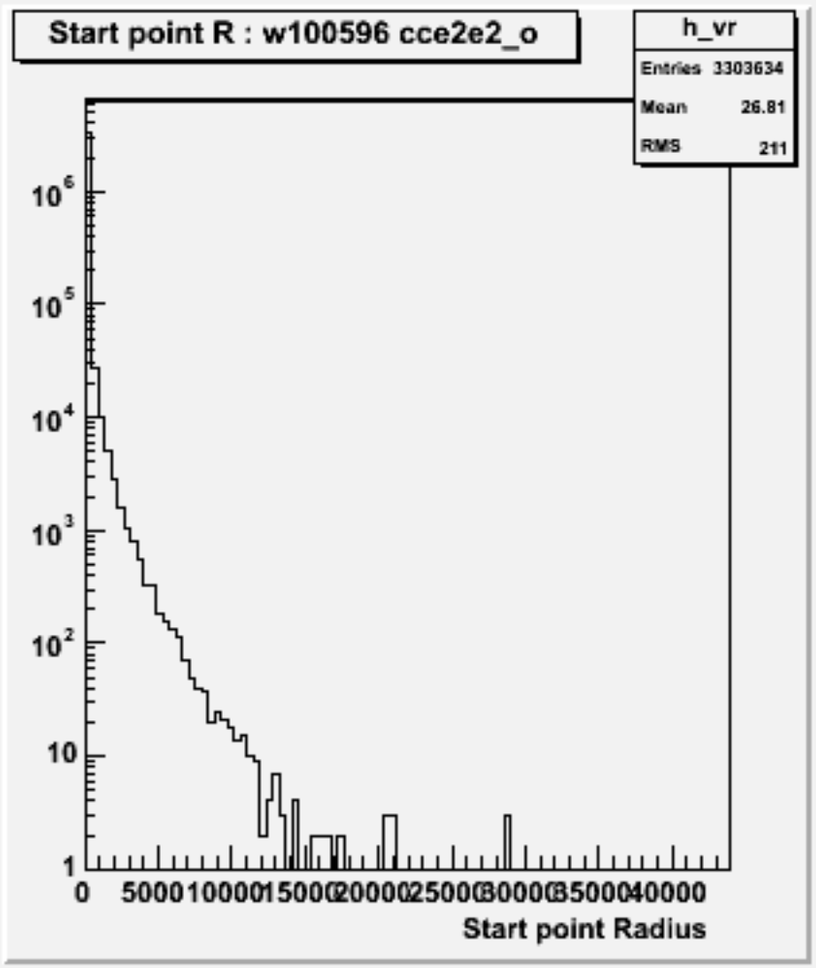

2jets mass(All comb)w100594 cce1e1_o
ha_m01
Entries 1277208
Mean 100.1
RMS 100.8
M(J_iJ_k) (GeV)

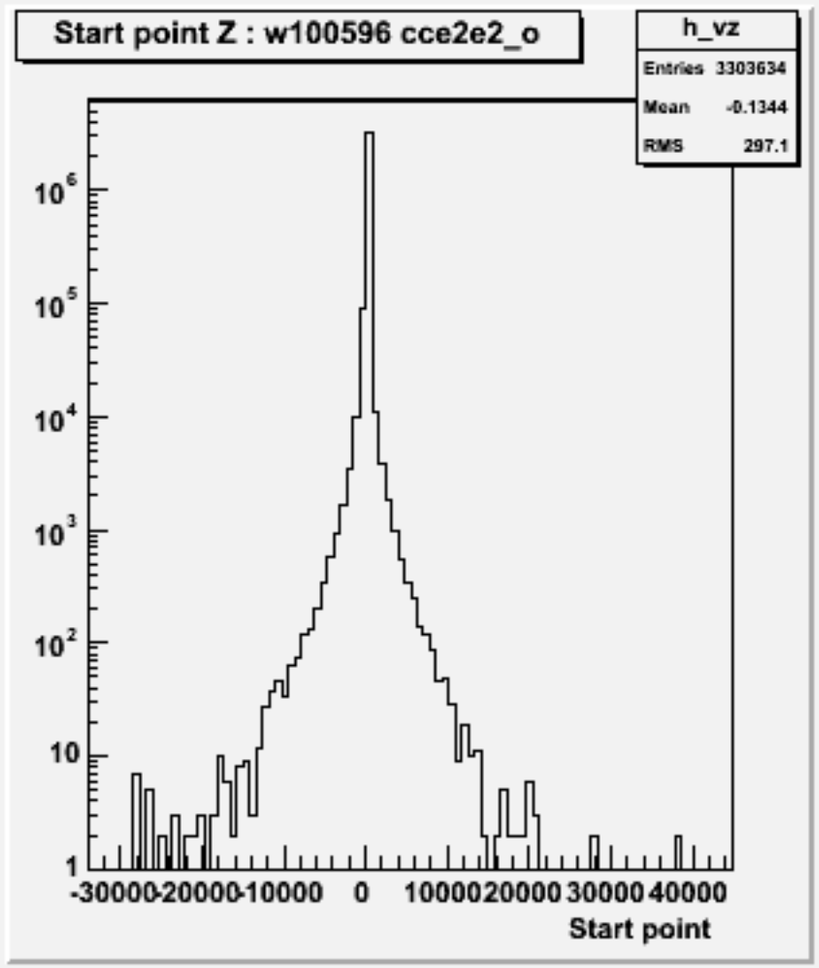

Particle ID : w100596 cce2e2_o
h_id
Entries 3303634
Mean 13.6
RMS 487.2
Particle ID

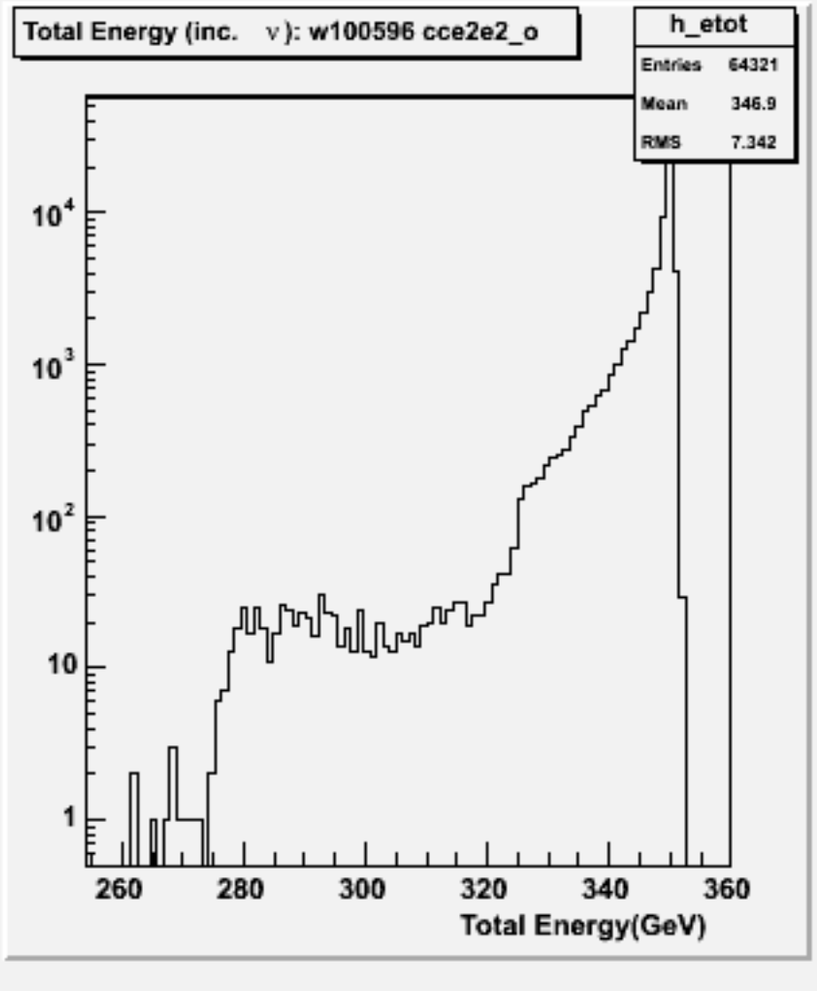

Particle Energy : w100596 cce2e2_o
h_e
Entries 3303634
Mean 6.754
RMS 18.39
Energy(GeV)

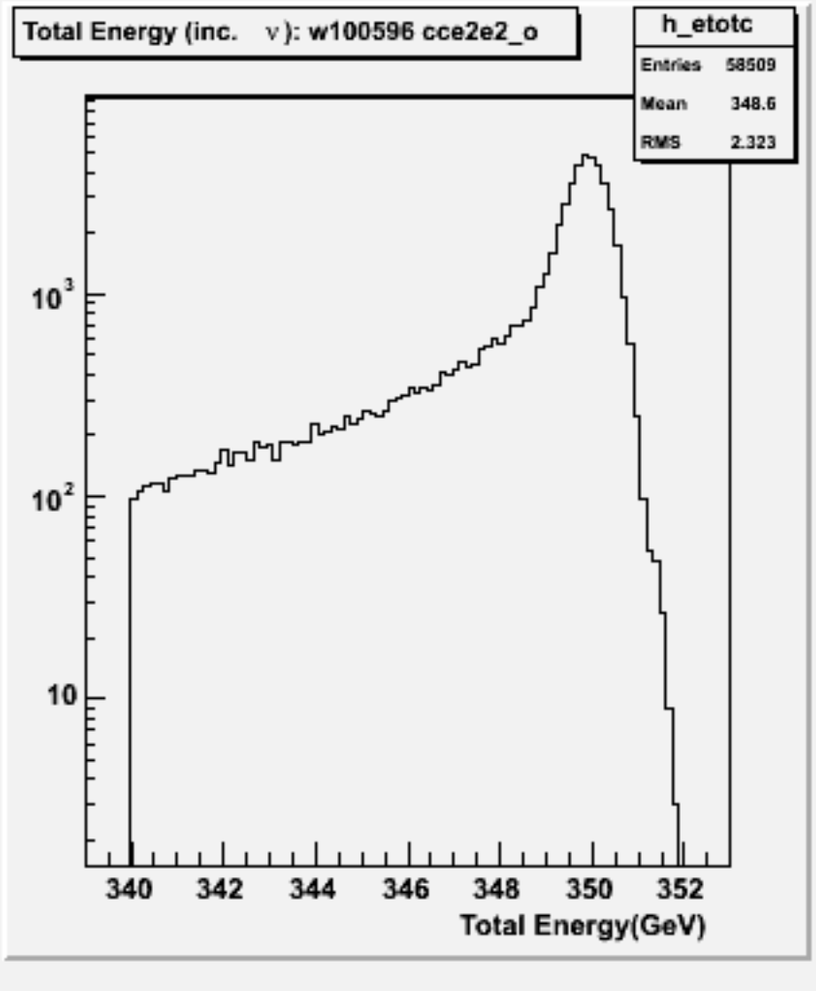

Particle Pt : w100596 cce2e2_o
h_pt
Entries 3303634
Mean 3.221
RMS 9.622
Pt(GeV)

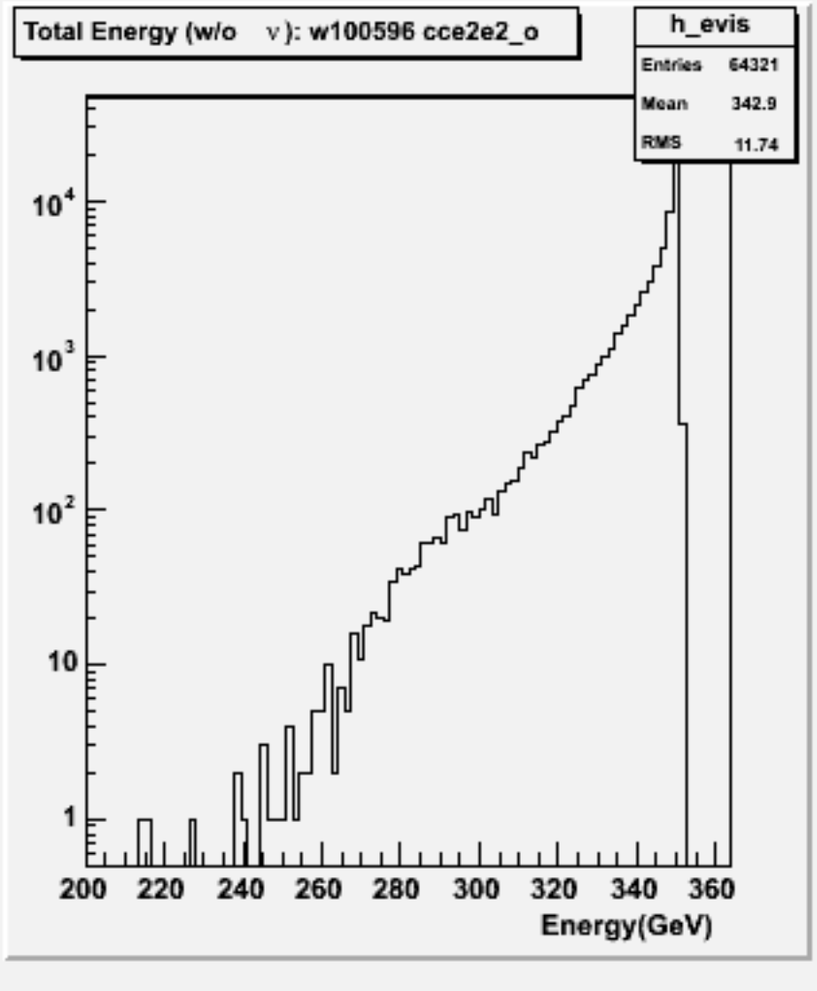

Particle cosθ : w100596 cce2e2_o
h_cs
Entries 3303634
Mean 0.006475
RMS 0.7293
cos θ

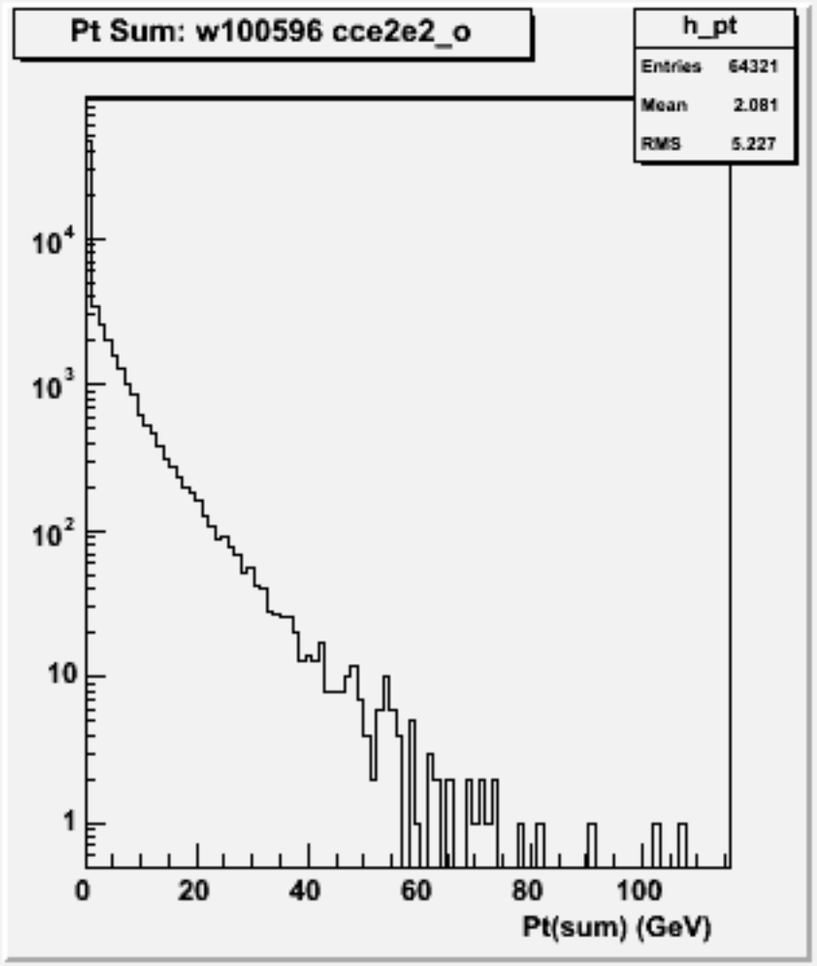

Start point R : w100596 cce2e2_o
h_vr
Entries 3303634
Mean 26.81
RMS 211
Start point Radius

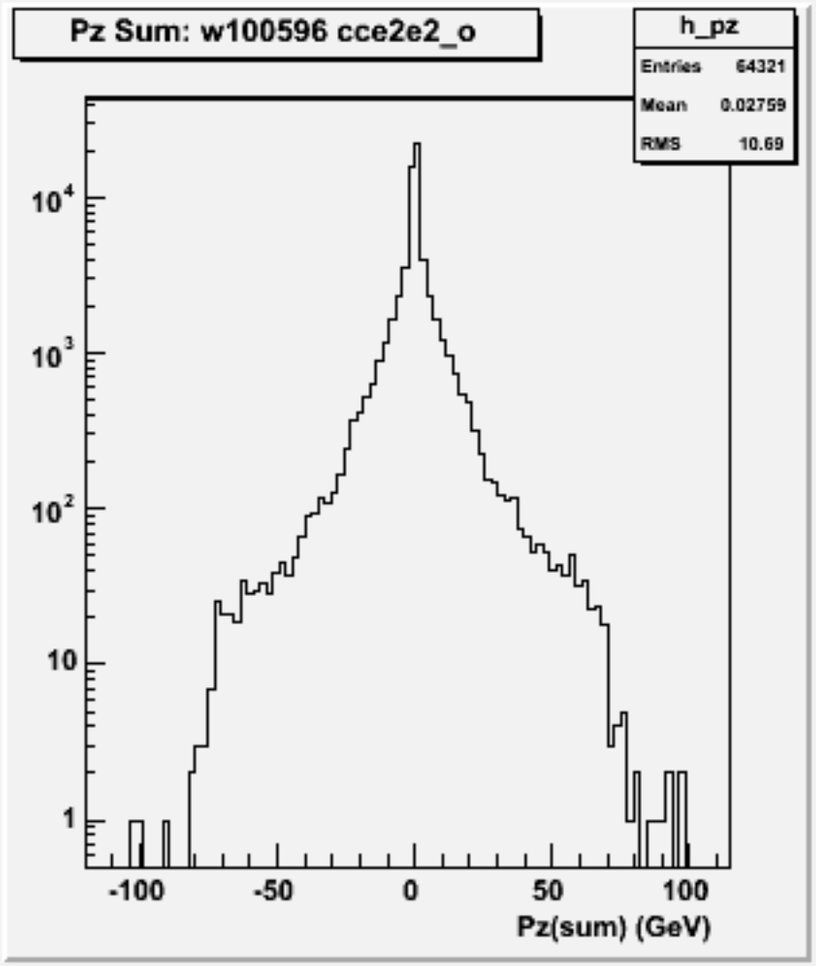

Start point Z : w100596 cce2e2_o
h_vz
Entries 3303634
Mean -0.1344
RMS 297.1
Start point

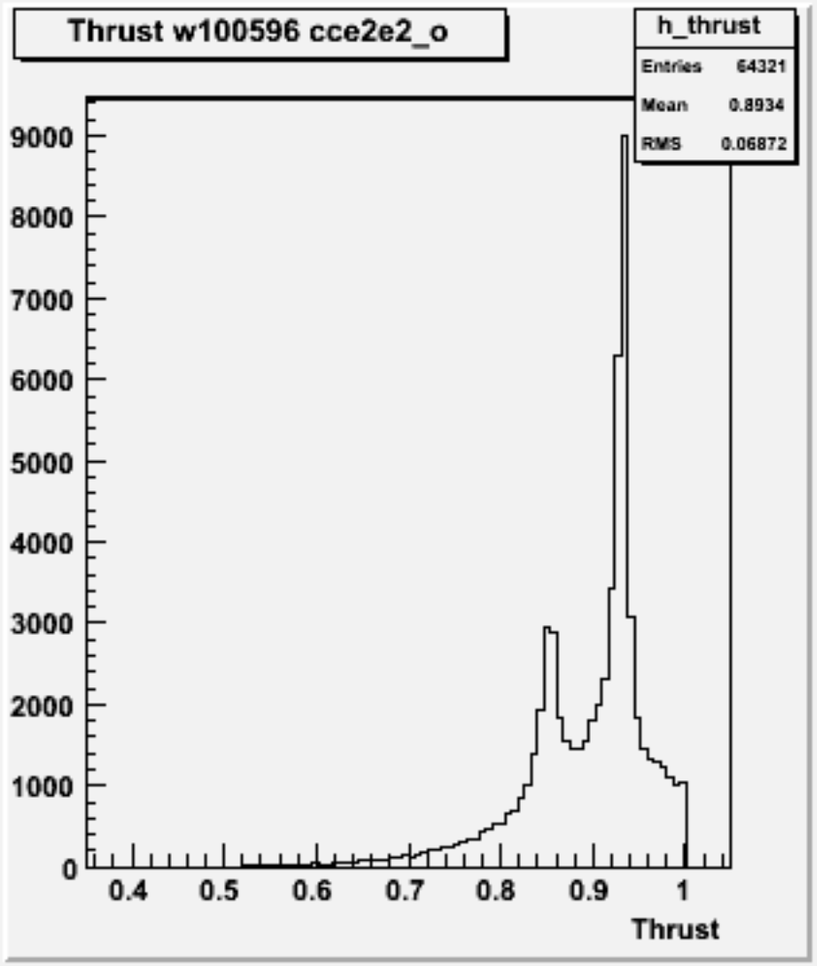

Total Energy (inc. ν): w100596 cce2e2_o
h_etot
Entries 64321
Mean 346.9
RMS 7.342
Total Energy(GeV)

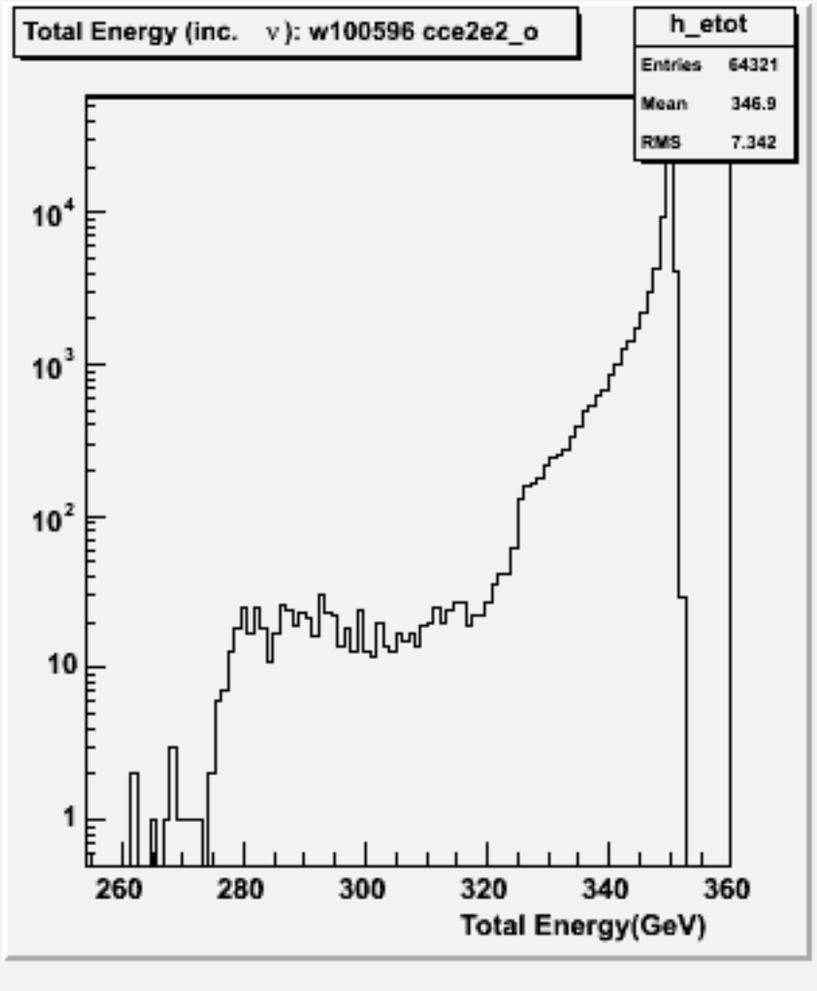

Total Energy (inc. ν): w100596 cce2e2_o
h_etotc
Entries 58509
Mean 348.6
RMS 2.323
Total Energy(GeV)

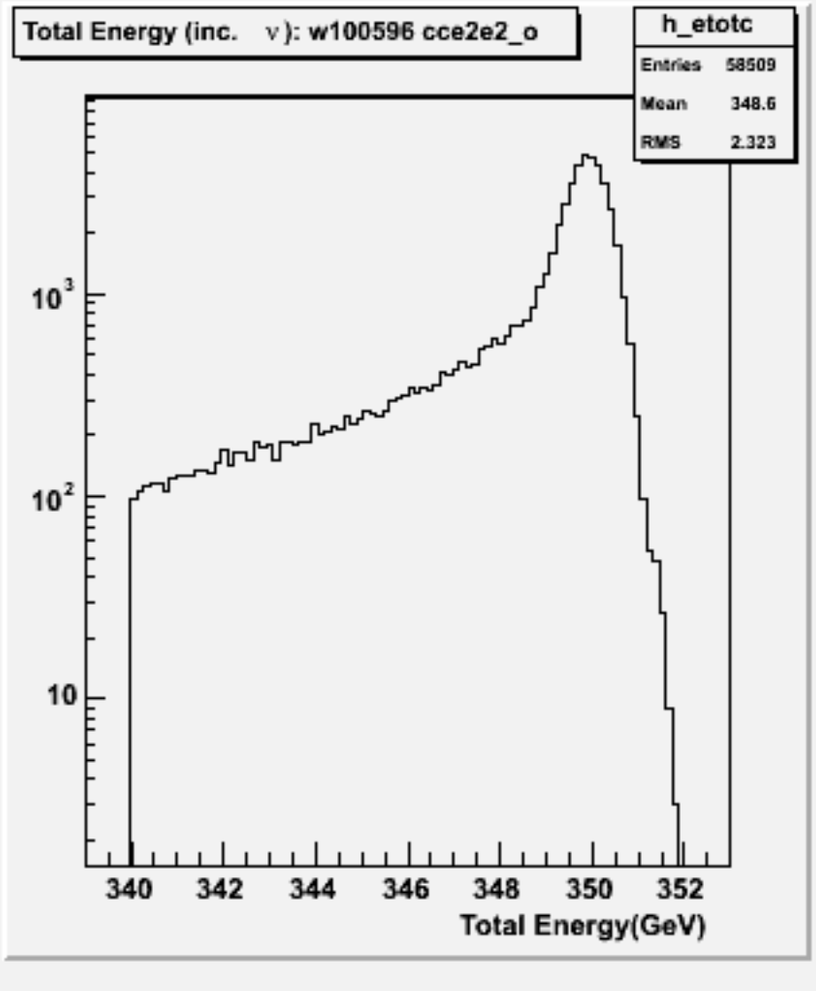

Total Energy (w/o ν): w100596 cce2e2_o
h_evis
Entries 64321
Mean 342.9
RMS 11.74
Energy(GeV)

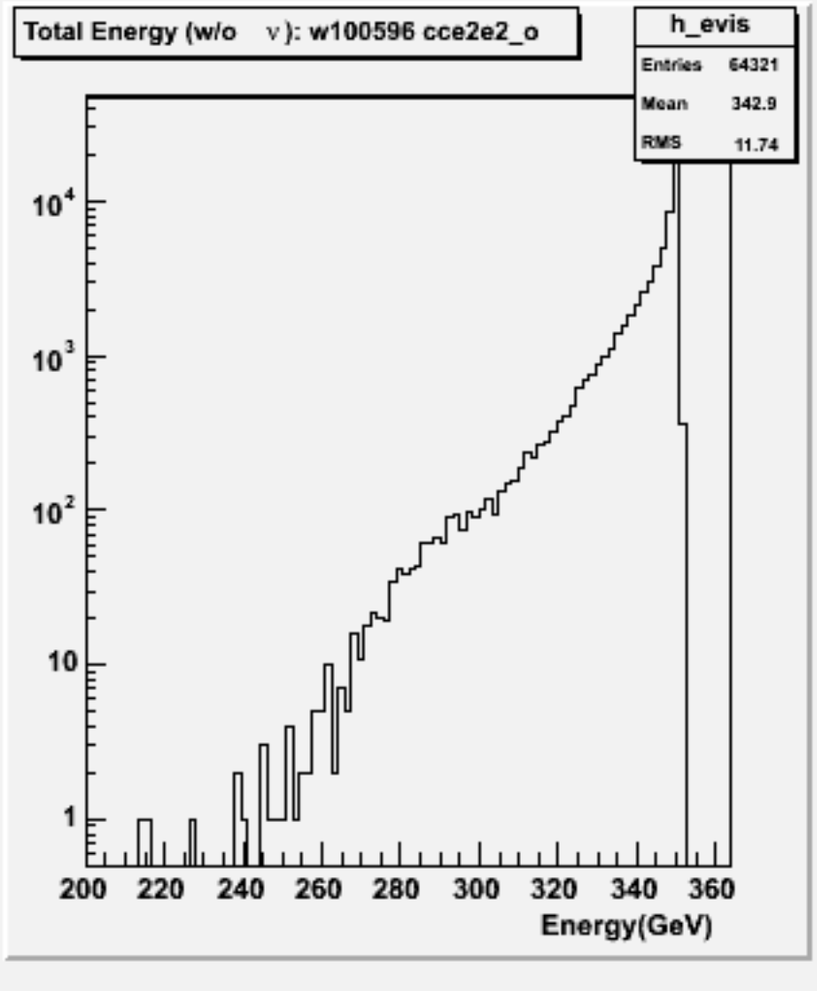

Pt Sum: w100596 cce2e2_o
h_pt
Entries 64321
Mean 2.081
RMS 5.227
Pt(sum) (GeV)

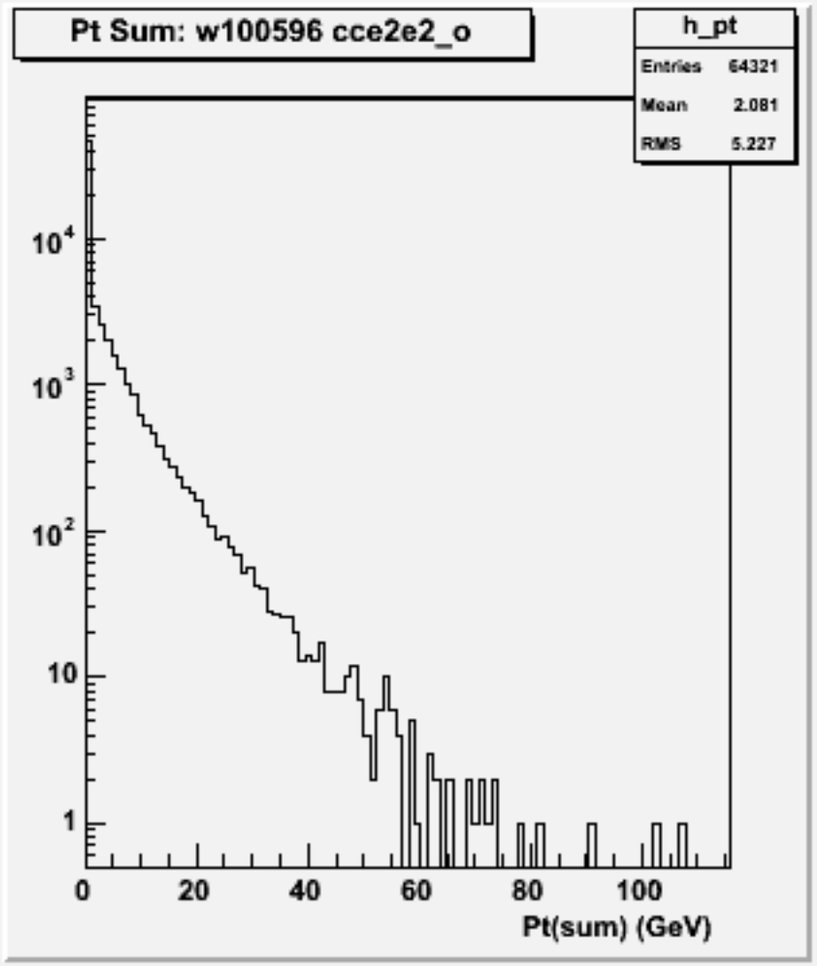

Pz Sum: w100596 cce2e2_o
h_pz
Entries 64321
Mean 0.02759
RMS 10.69
Pz(sum) (GeV)

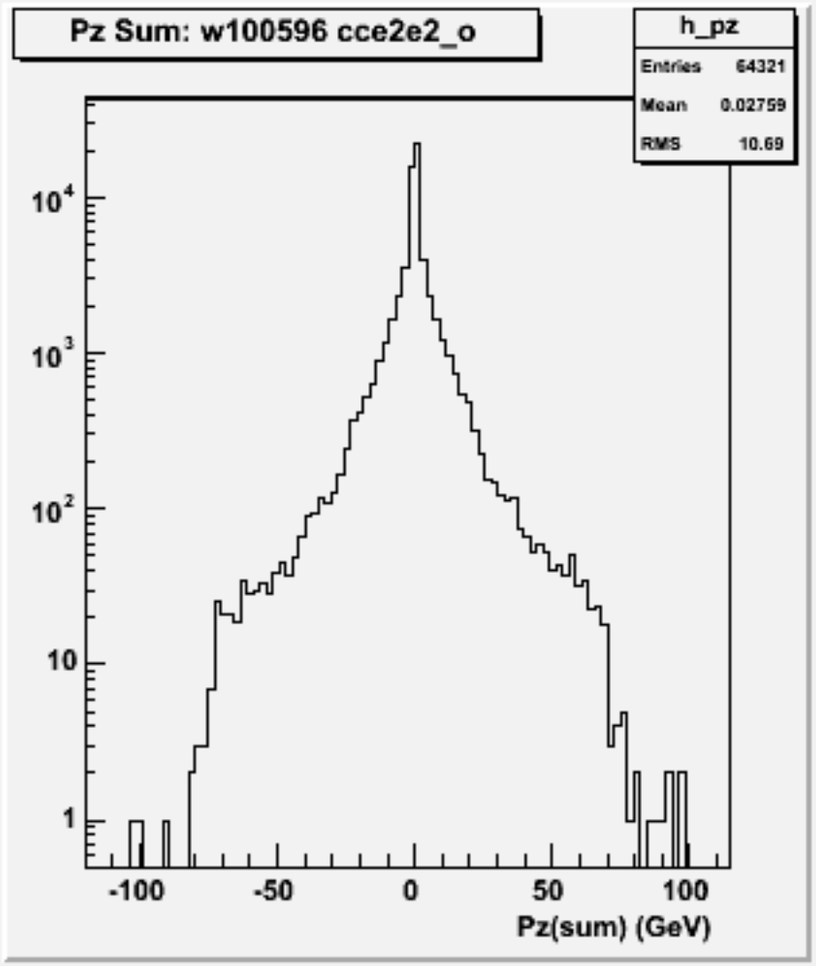

Thrust w100596 cce2e2_o
h_thrust
Entries 64321
Mean 0.8934
RMS 0.06872
Thrust

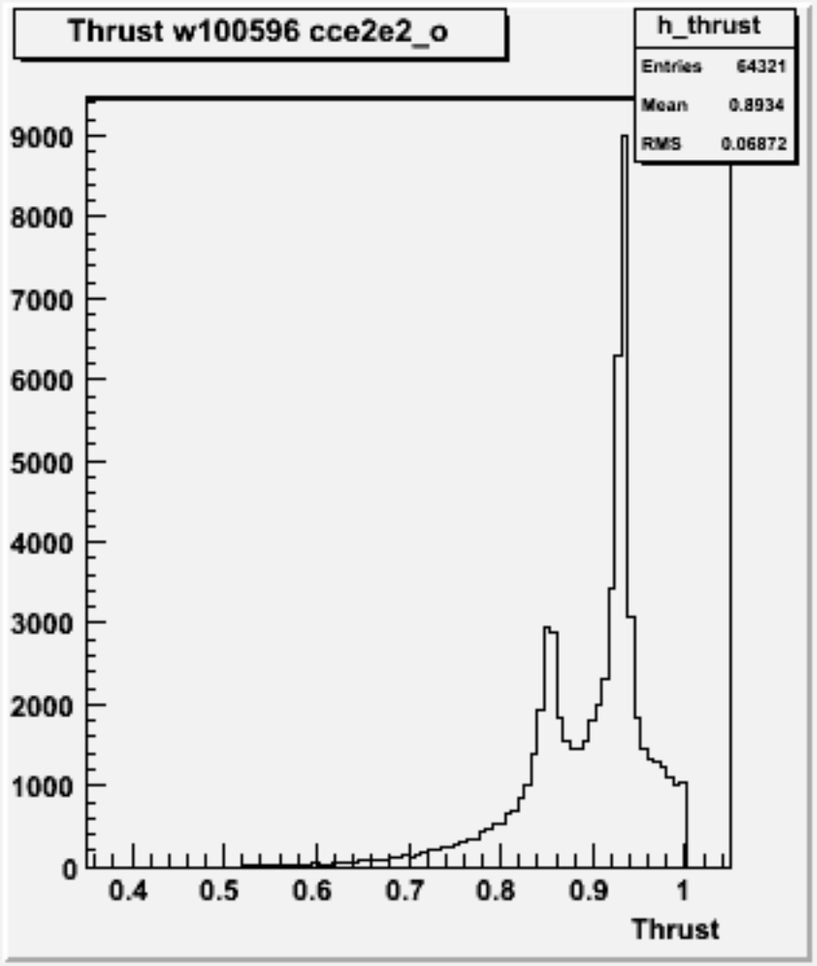

Total Energy (inc. ν): w100596 cce2e2_o
h_etot
Entries 64321
Mean 346.9
RMS 7.342
Total Energy(GeV)

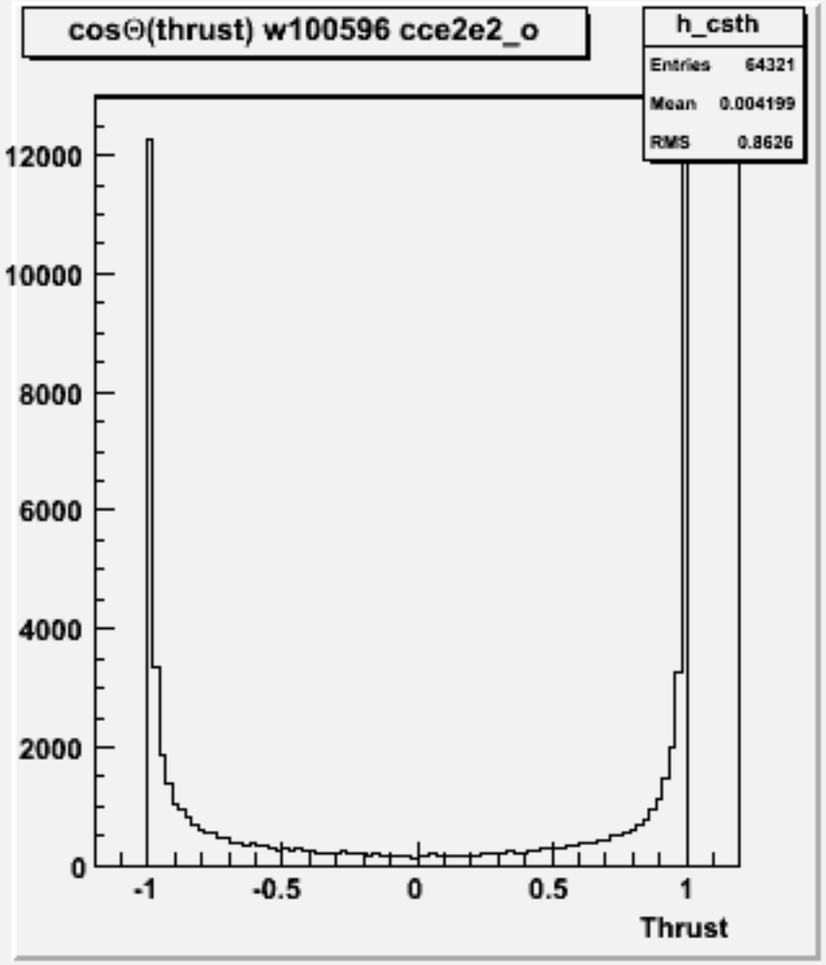

Total Energy (inc. ν): w100596 cce2e2_o
h_etotc
Entries 58509
Mean 348.6
RMS 2.323
Total Energy(GeV)

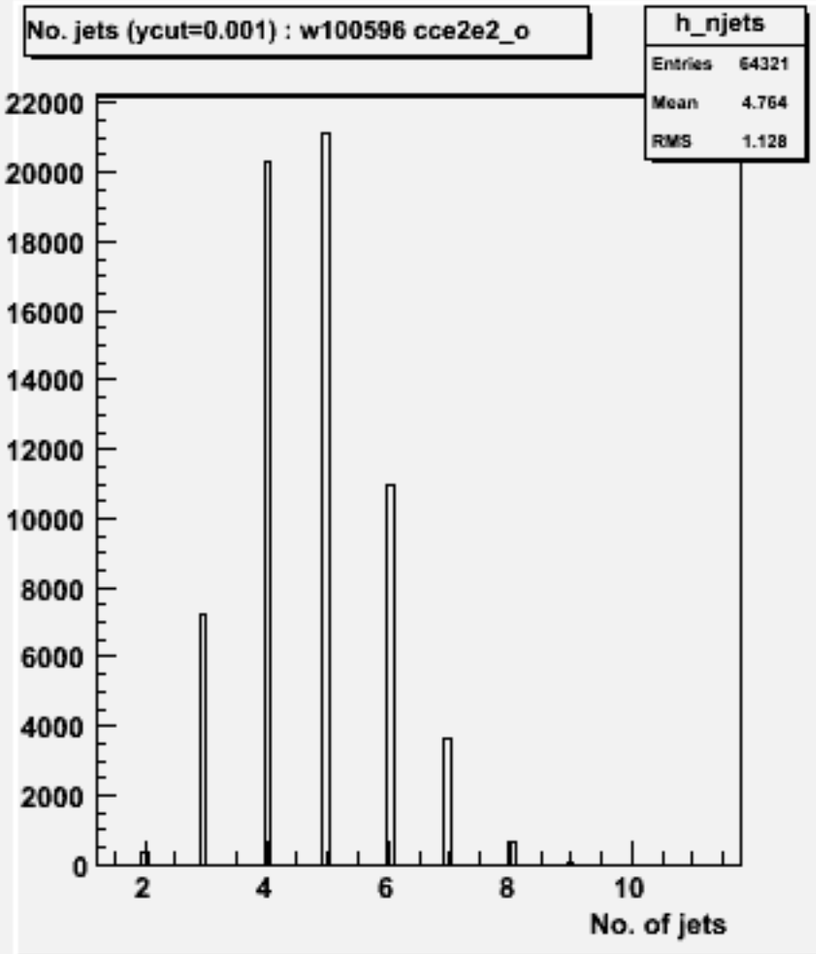

Total Energy (w/o ν): w100596 cce2e2_o
h_evis
Entries 64321
Mean 342.9
RMS 11.74
Energy(GeV)

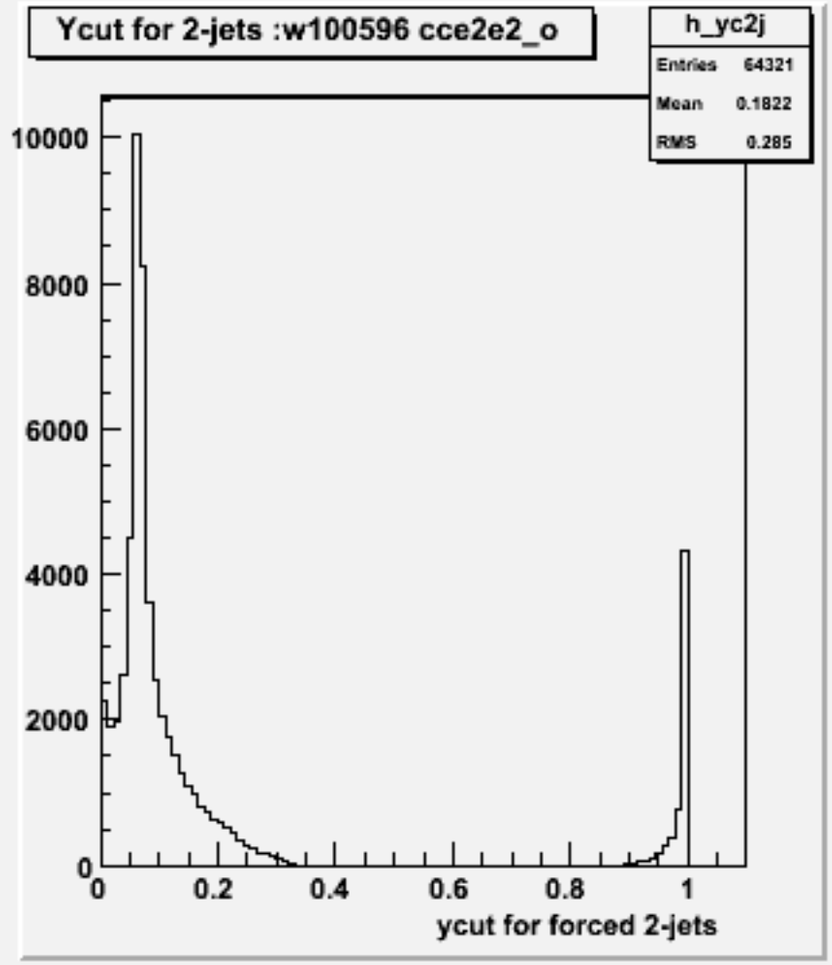

Pt Sum: w100596 cce2e2_o
h_pt
Entries 64321
Mean 2.081
RMS 5.227
Pt(sum) (GeV)

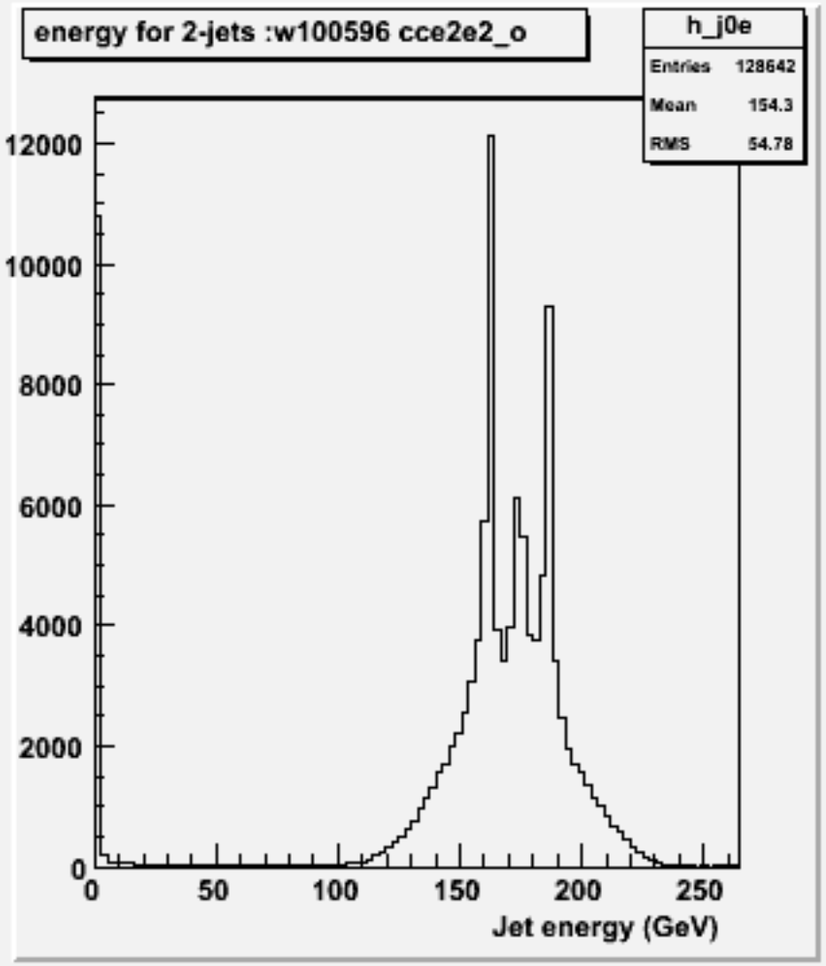

Pz Sum: w100596 cce2e2_o
h_pz
Entries 64321
Mean 0.02759
RMS 10.69
Pz(sum) (GeV)

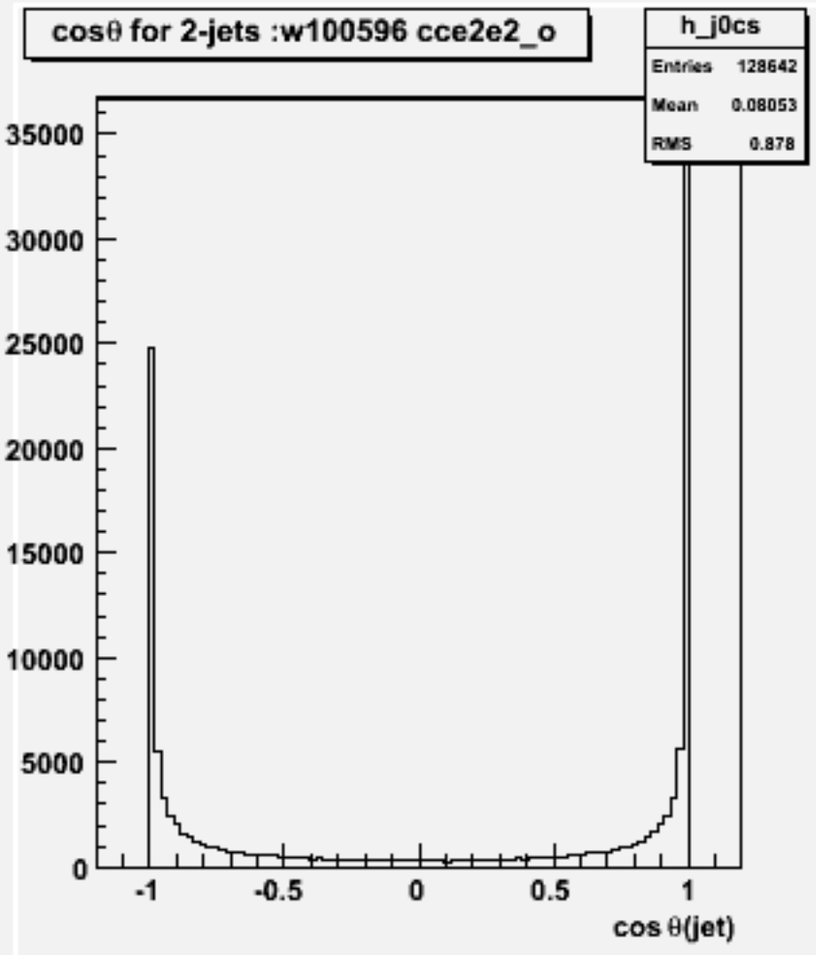

Thrust w100596 cce2e2_o
h_thrust
Entries 64321
Mean 0.8934
RMS 0.06872
Thrust

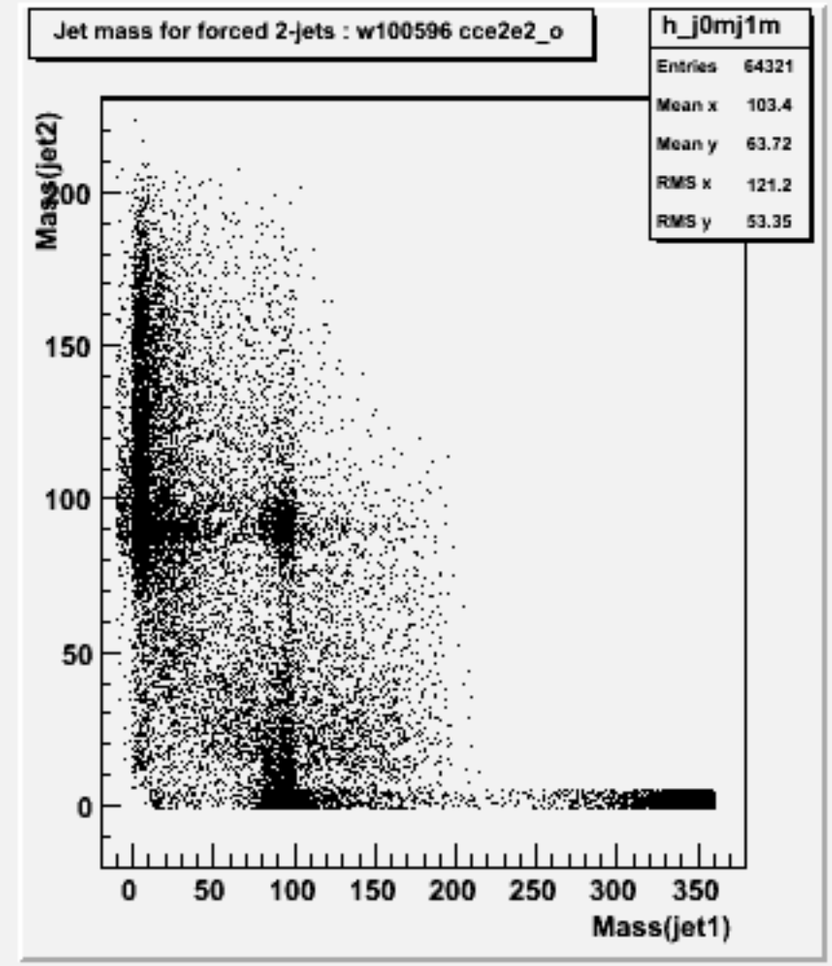

cosΘ(thrust) w100596 cce2e2_o
h_csth
Entries 64321
Mean 0.004199
RMS 0.8626
Thrust

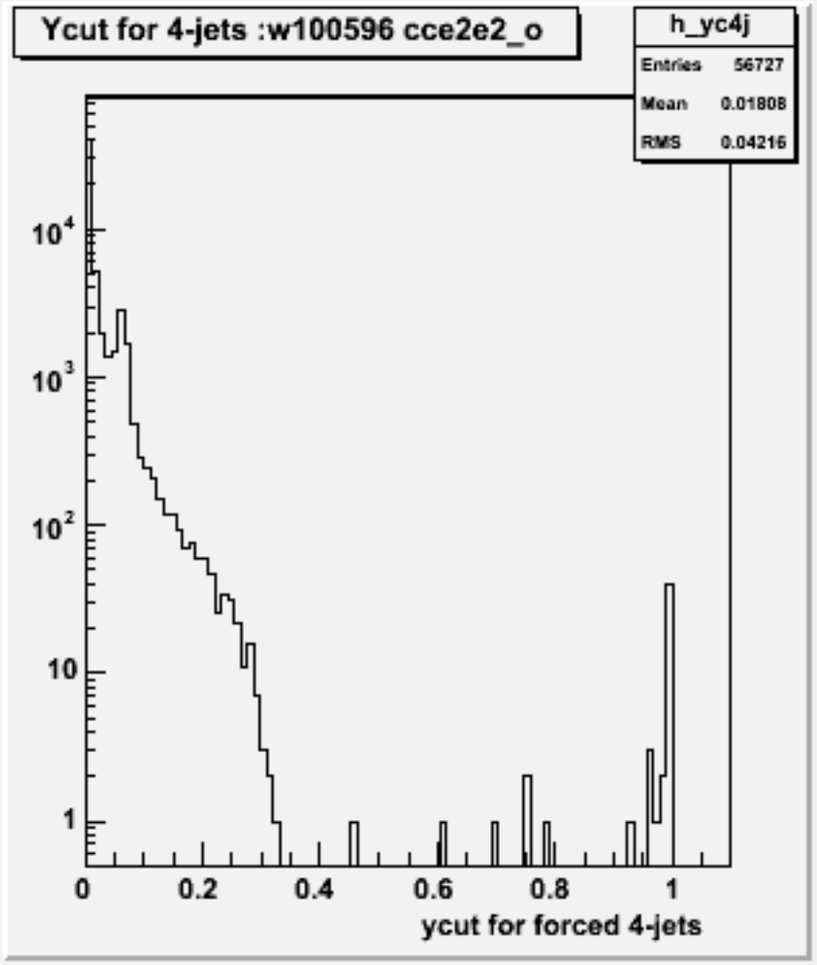

No. jets (ycut=0.001) : w100596 cce2e2_o
h_njets
Entries 64321
Mean 4.764
RMS 1.128
No. of jets

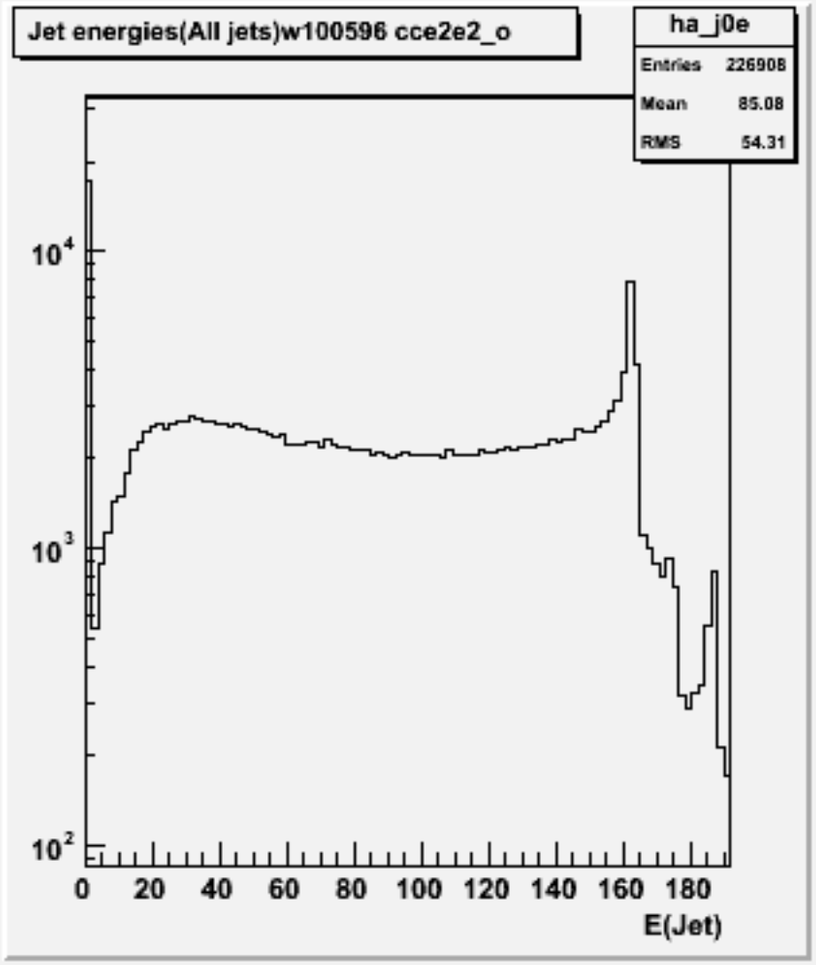

Ycut for 2-jets :w100596 cce2e2_o
h_yc2j
Entries 64321
Mean 0.1822
RMS 0.285
ycut for forced 2-jets

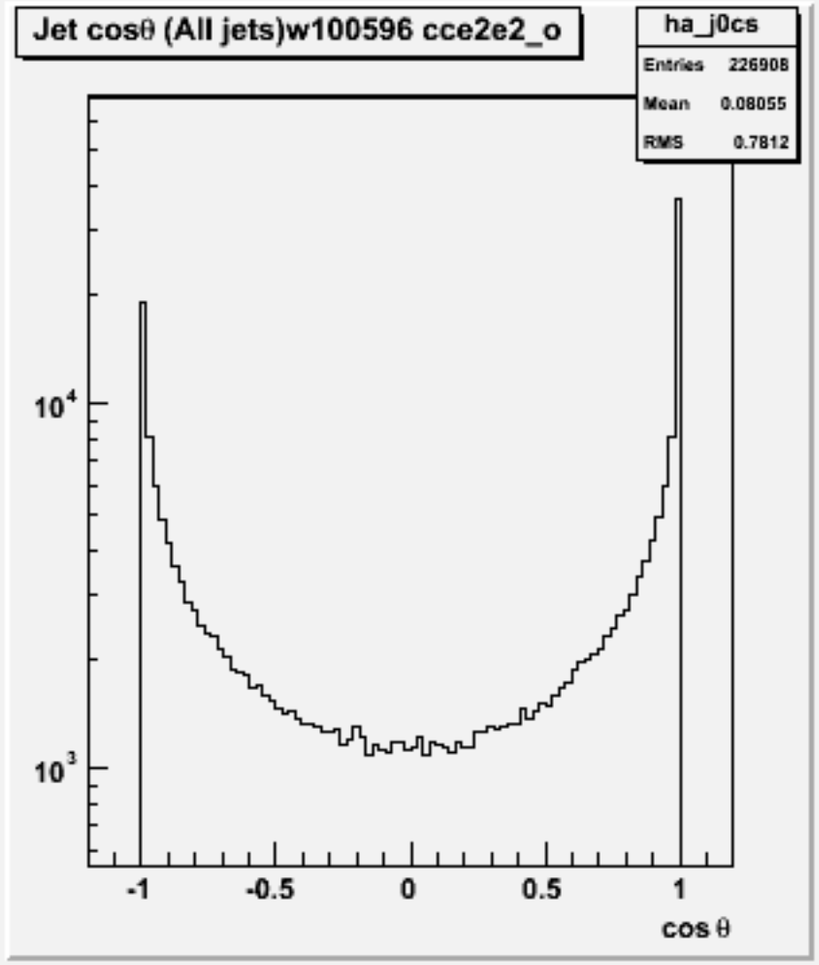

energy for 2-jets :w100596 cce2e2_o
h_j0e
Entries 128642
Mean 154.3
RMS 54.78
Jet energy (GeV)

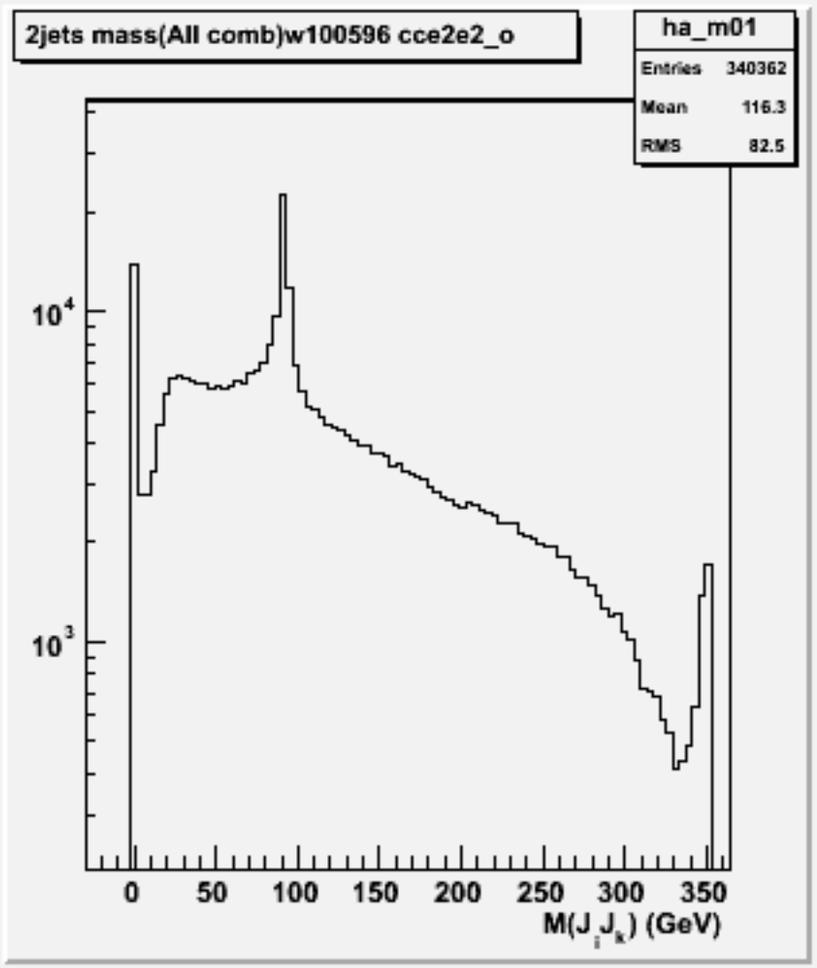

cosθ for 2-jets :w100596 cce2e2_o
h_j0cs
Entries 128642
Mean 0.08053
RMS 0.878
cos θ(jet)

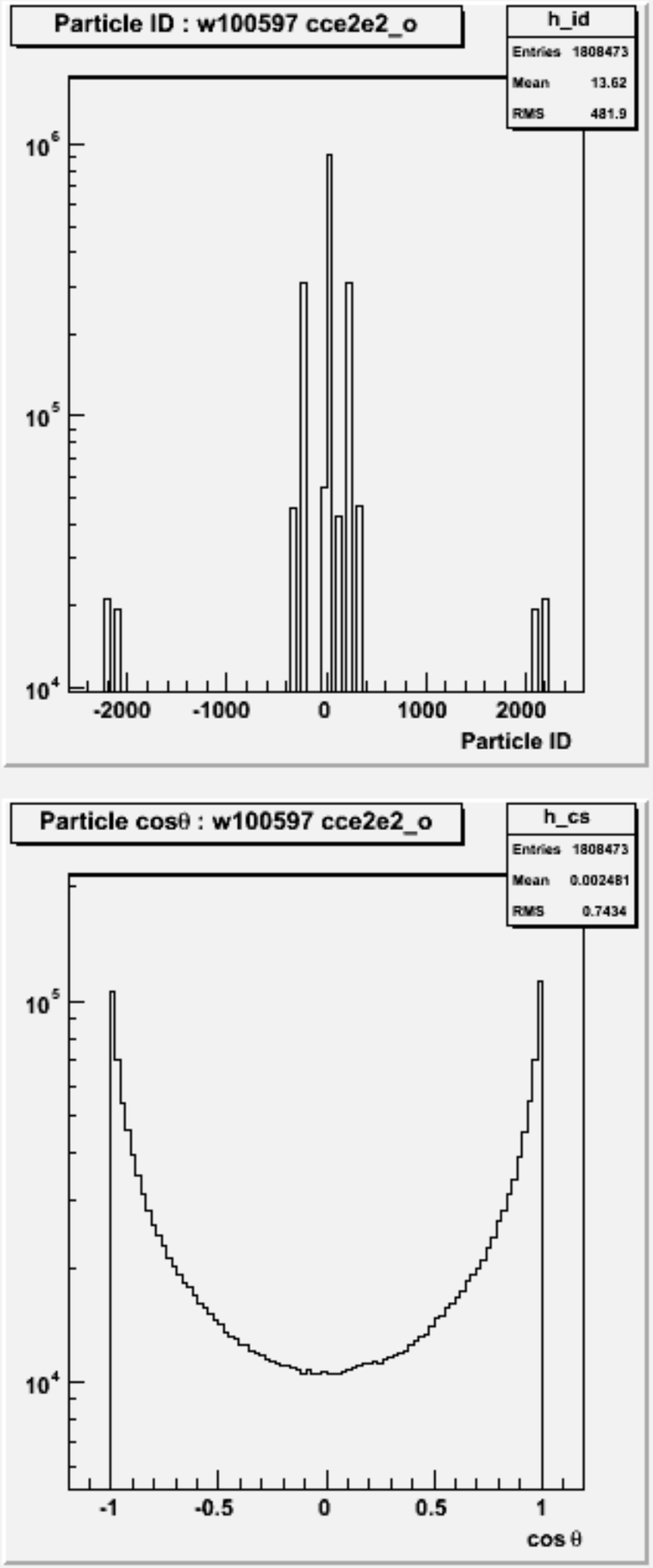

Jet mass for forced 2-jets : w100596 cce2e2_o
h_j0mj1m
Entries 64321
Mean x 103.4
Mean y 63.72
RMS x 121.2
RMS y 53.35
Mass(jet2)
Mass(jet1)

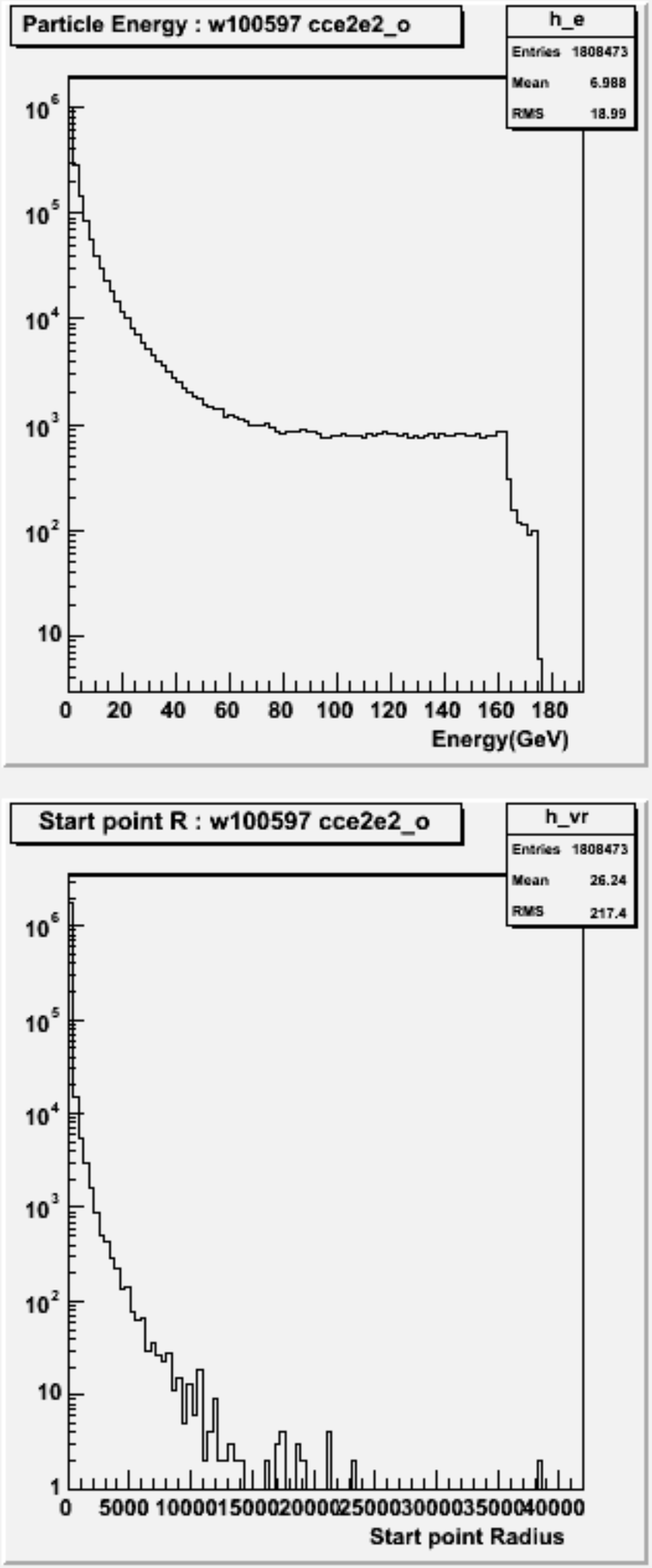

Ycut for 4-jets :w100596 cce2e2_o
h_yc4j
Entries 56727
Mean 0.01808
RMS 0.04216
ycut for forced 4-jets

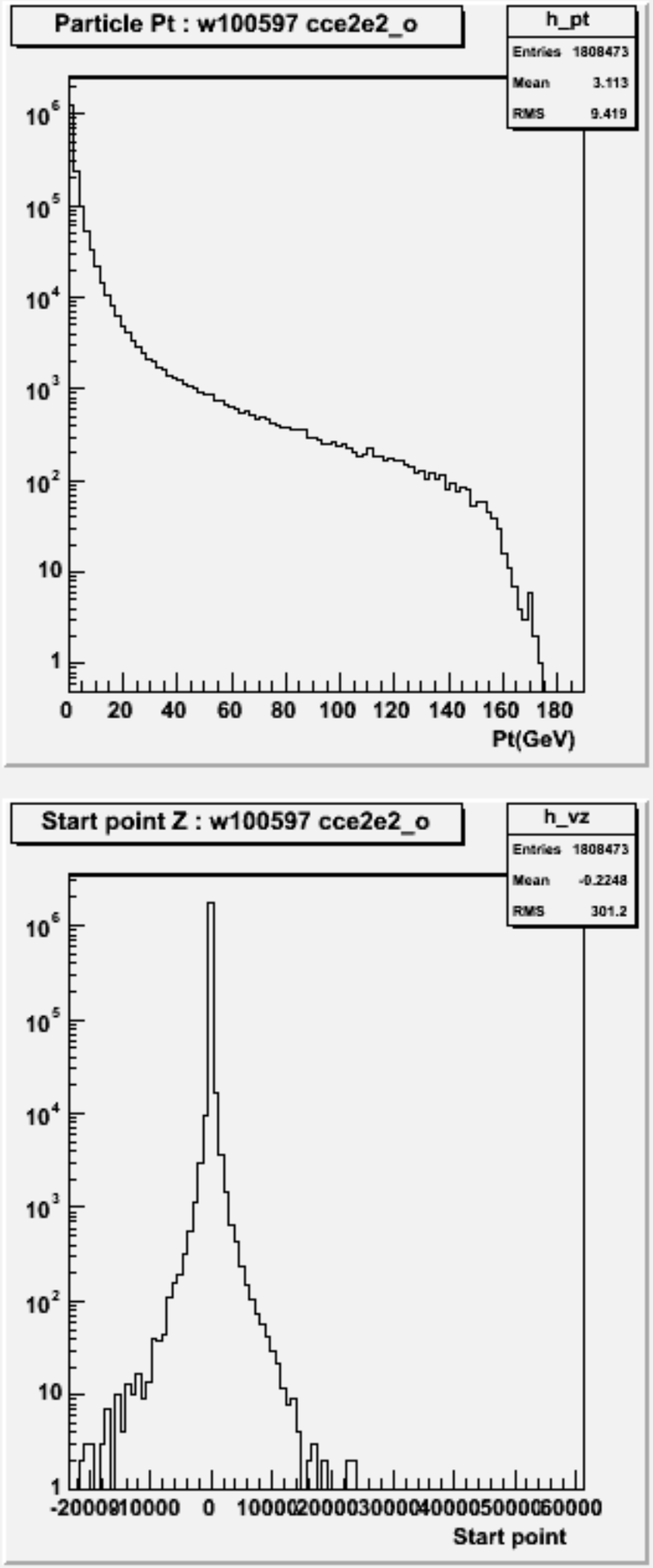

Jet energies(All jets)w100596 cce2e2_o
ha_j0e
Entries 226908
Mean 85.08
RMS 54.31
E(Jet)


Jet cosθ (All jets)w100596 cce2e2_o
ha_j0cs
Entries 226908
Mean 0.08055
RMS 0.7812
cos θ


2jets mass(All comb)w100596 cce2e2_o
ha_m01
Entries 340362
Mean 116.3
RMS 82.5
M(J_iJ_k) (GeV)


Particle ID : w100597 cce2e2_o
h_id
Entries 1808473
Mean 13.62
RMS 481.9
Particle ID

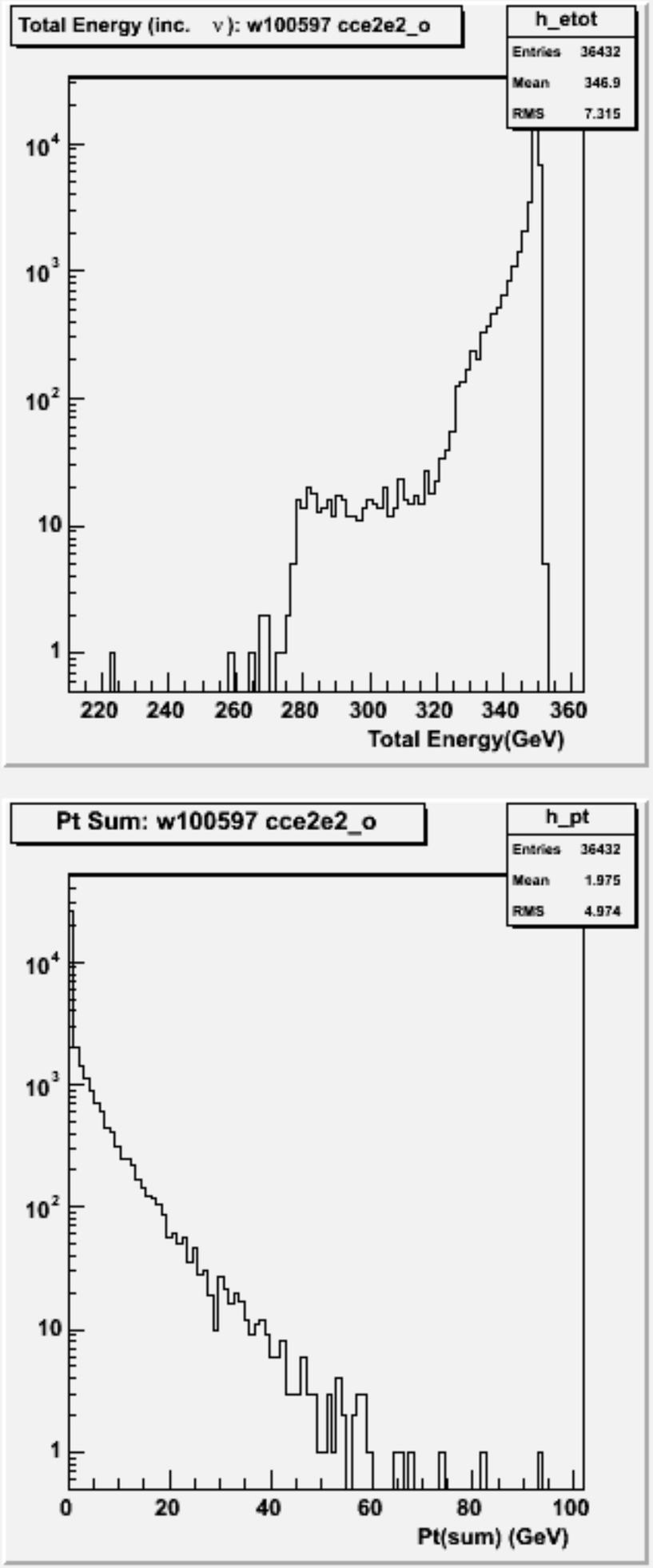

Particle Energy : w100597 cce2e2_o
h_e
Entries 1808473
Mean 6.988
RMS 18.99
Energy(GeV)

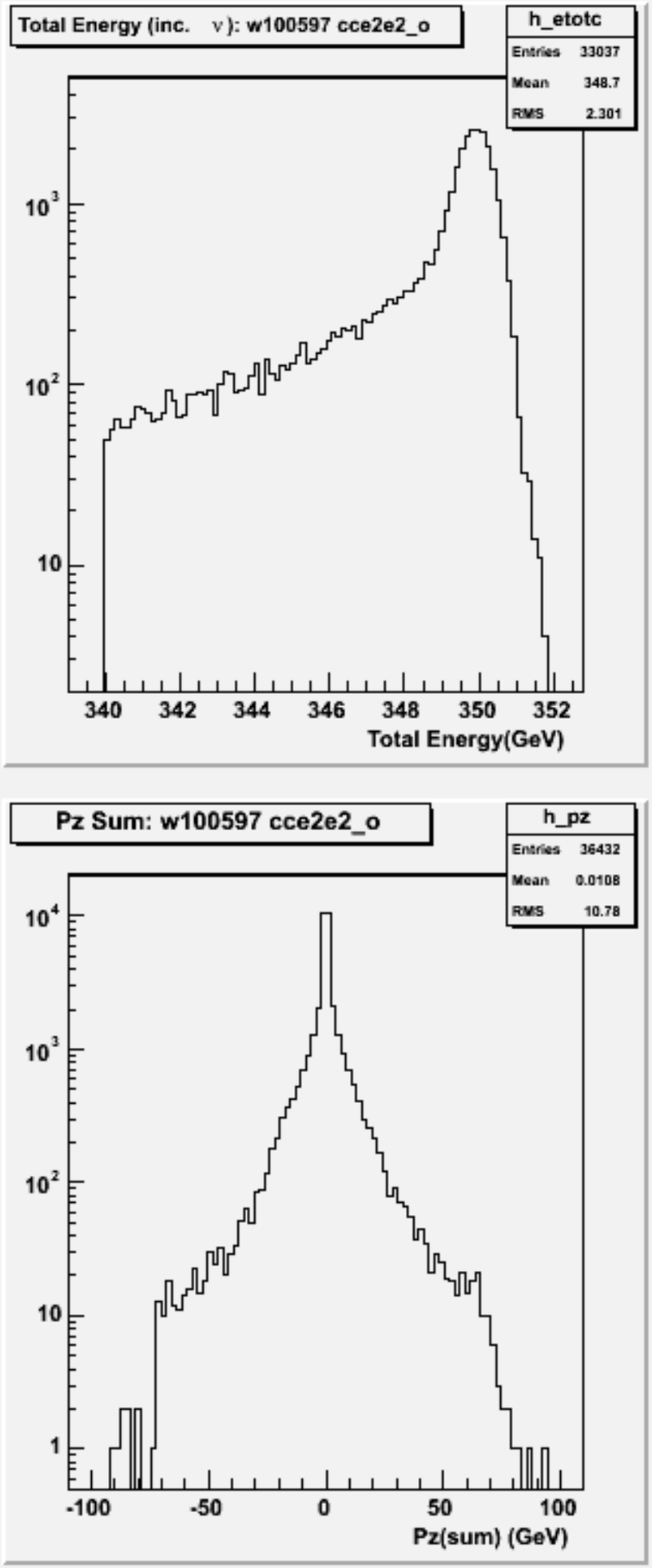

Particle Pt : w100597 cce2e2_o
h_pt
Entries 1808473
Mean 3.113
RMS 9.419
Pt(GeV)

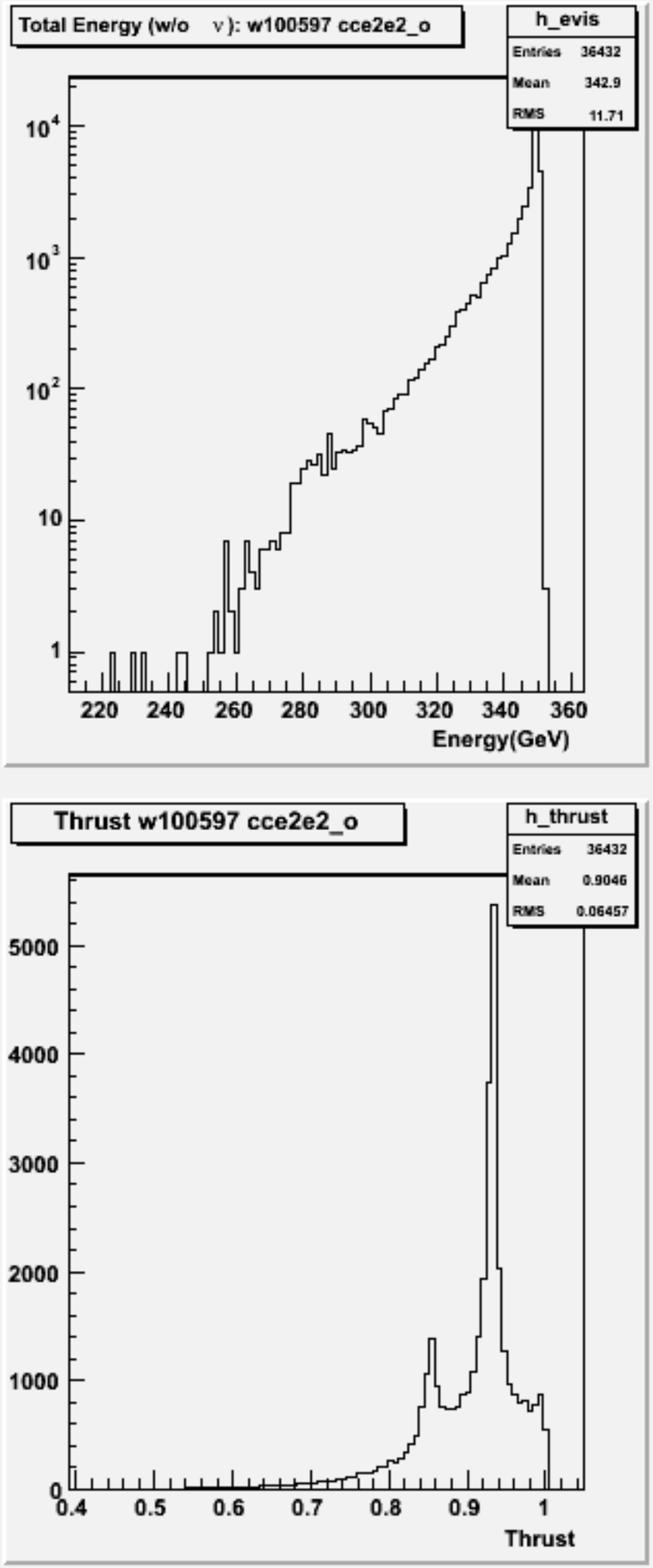
Particle cosθ : w100597 cce2e2_o
h_cs
Entries 1808473
Mean 0.002481
RMS 0.7434
cos θ

Start point R : w100597 cce2e2_o
h_vr
Entries 1808473
Mean 26.24
RMS 217.4
Start point Radius

Start point Z : w100597 cce2e2_o
h_vz
Entries 1808473
Mean -0.2248
RMS 301.2
Start point


Total Energy (inc. ν): w100597 cce2e2_o
h_etot
Entries 36432
Mean 346.9
RMS 7.315
Total Energy(GeV)

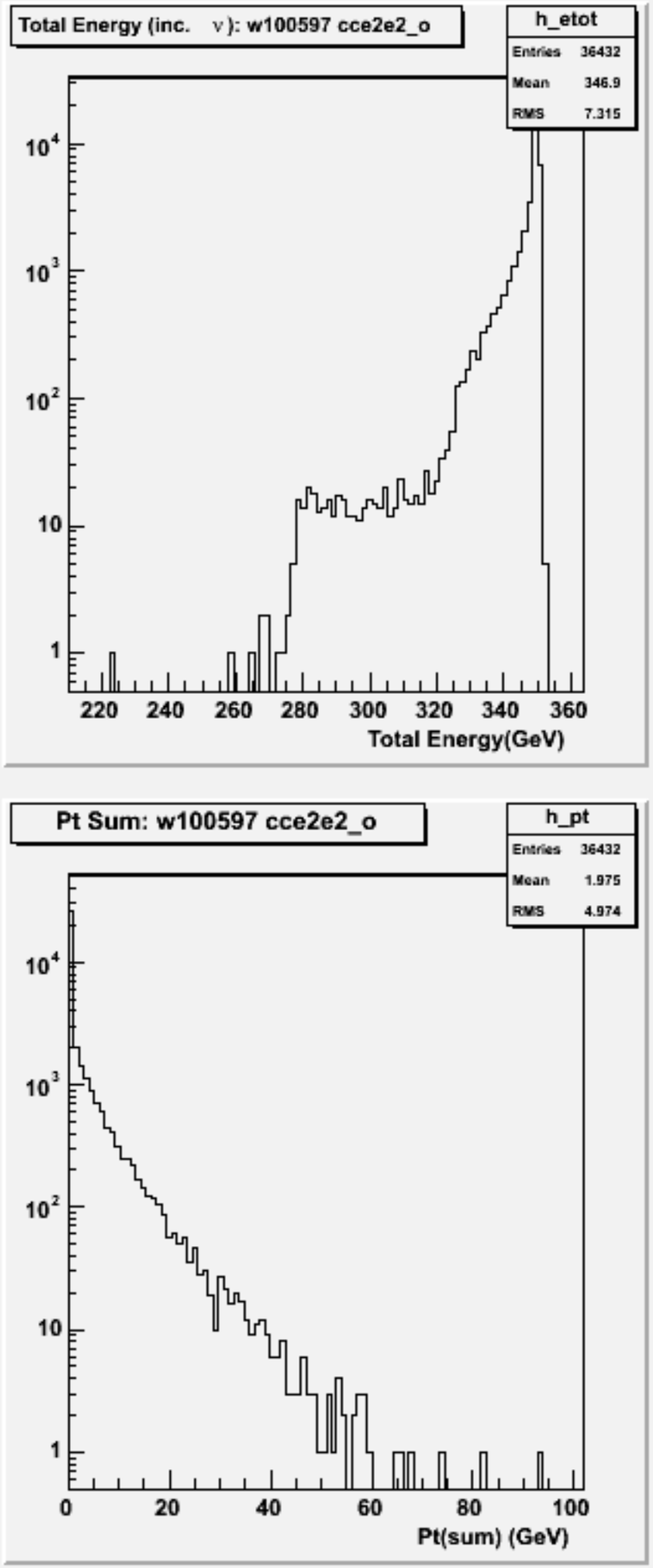

Total Energy (inc. ν): w100597 cce2e2_o
h_etotc
Entries 33037
Mean 348.7
RMS 2.301
Total Energy(GeV)

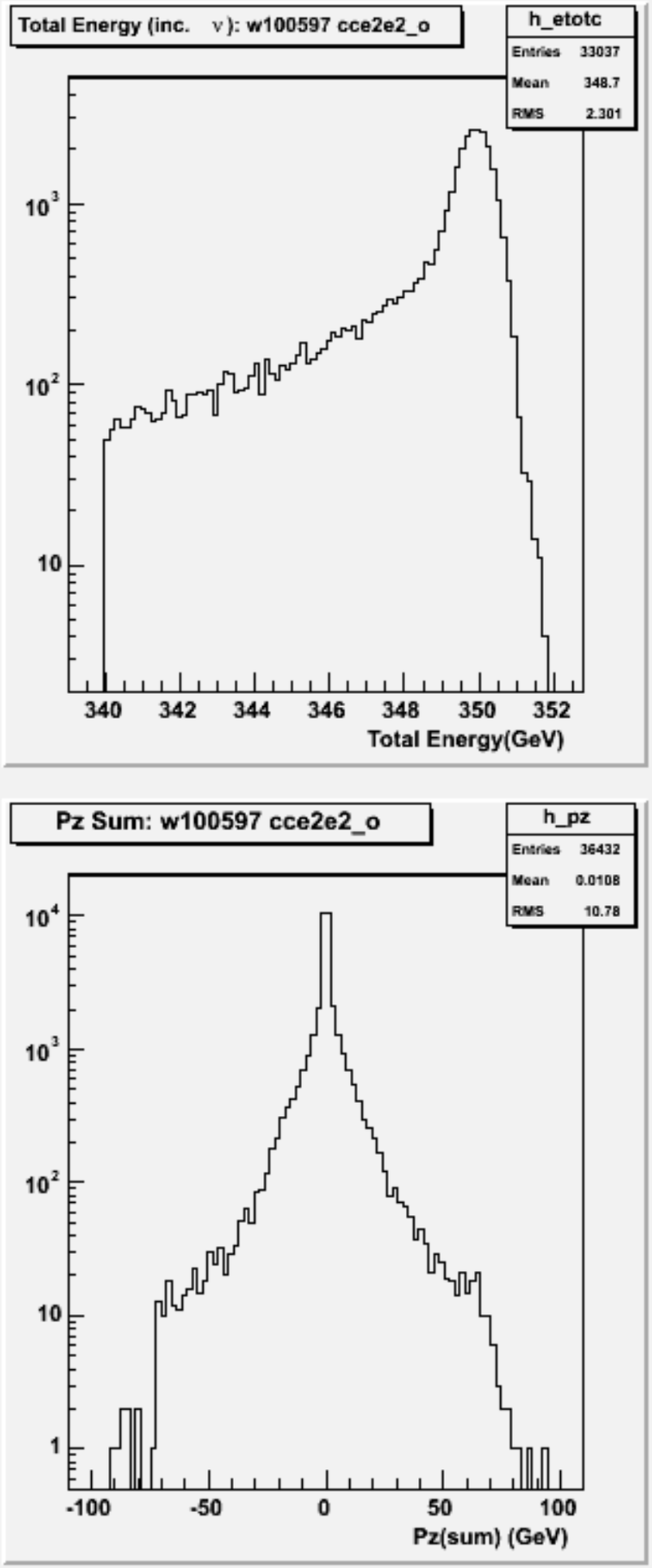

Total Energy (w/o ν): w100597 cce2e2_o
h_evis
Entries 36432
Mean 342.9
RMS 11.71
Energy(GeV)

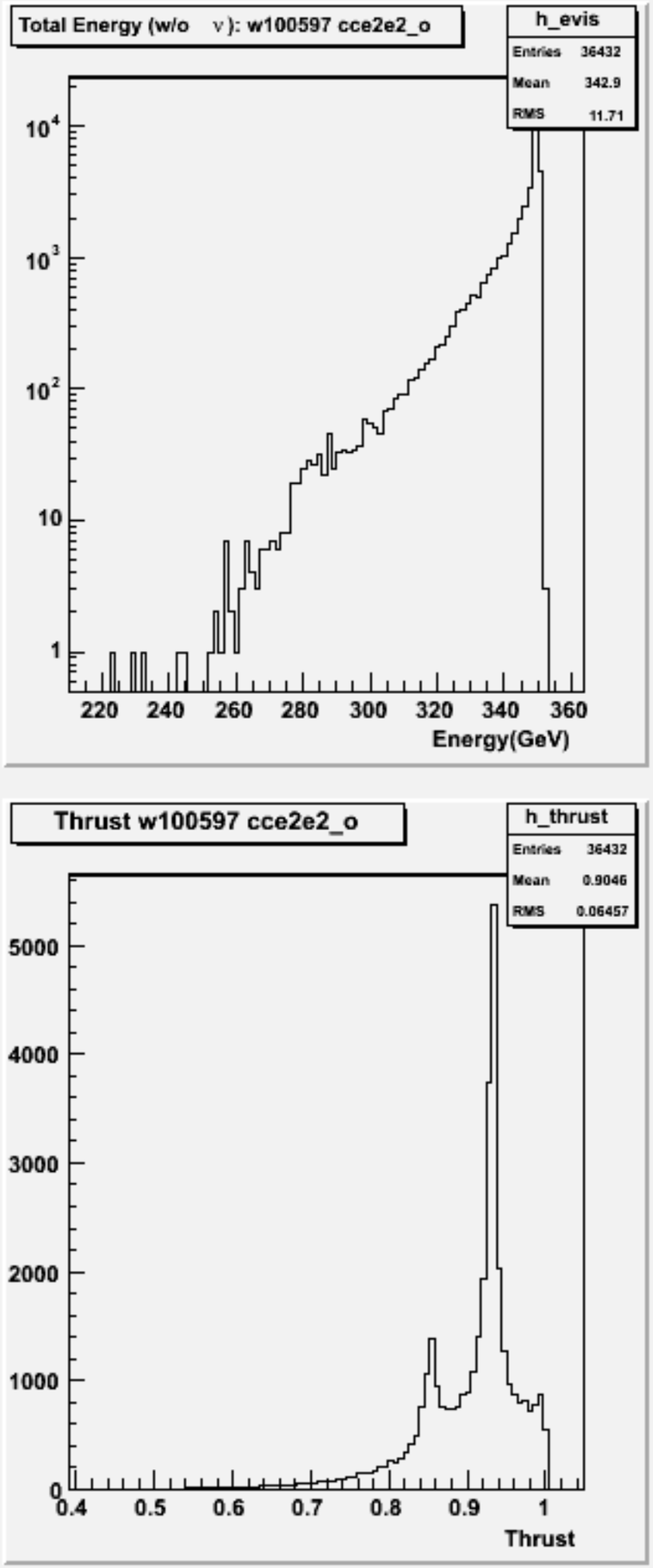
Pt Sum: w100597 cce2e2_o
h_pt
Entries 36432
Mean 1.975
RMS 4.974
Pt(sum) (GeV)

Pz Sum: w100597 cce2e2_o
h_pz
Entries 36432
Mean 0.0108
RMS 10.78
Pz(sum) (GeV)

Thrust w100597 cce2e2_o
h_thrust
Entries 36432
Mean 0.9046
RMS 0.06457
Thrust


Total Energy (inc. ν): w100597 cce2e2_o
h_etot
Entries 36432
Mean 346.9
RMS 7.315
Total Energy(GeV)

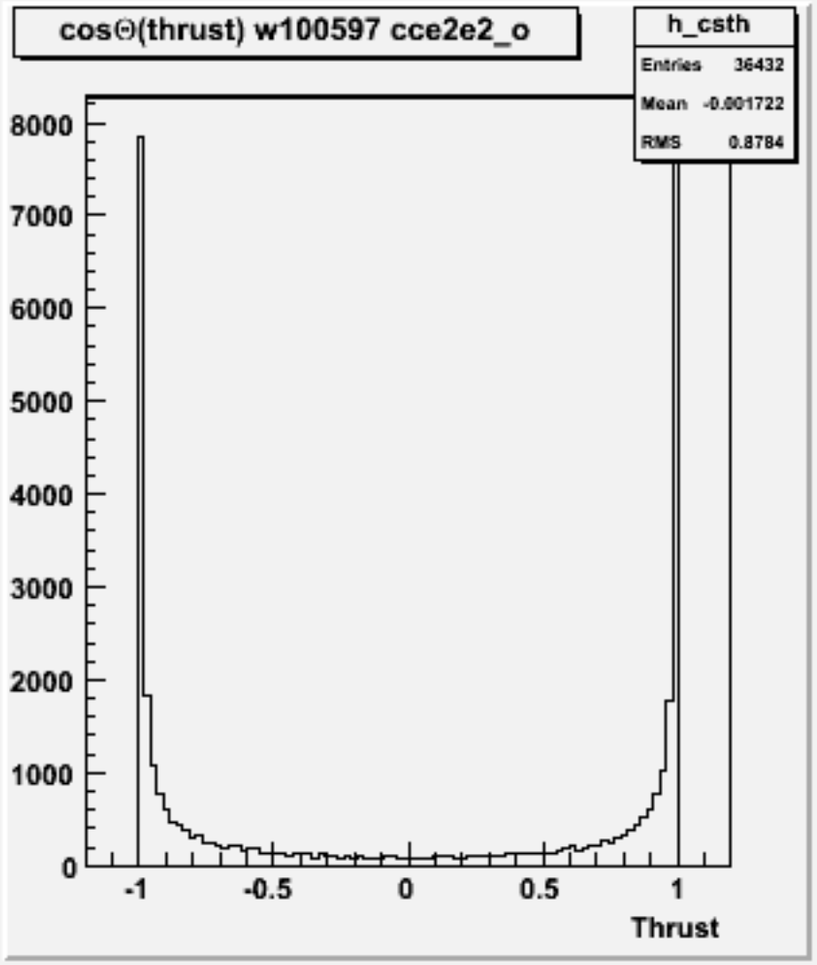

Total Energy (inc. ν): w100597 cce2e2_o
h_etotc
Entries 33037
Mean 348.7
RMS 2.301
Total Energy(GeV)

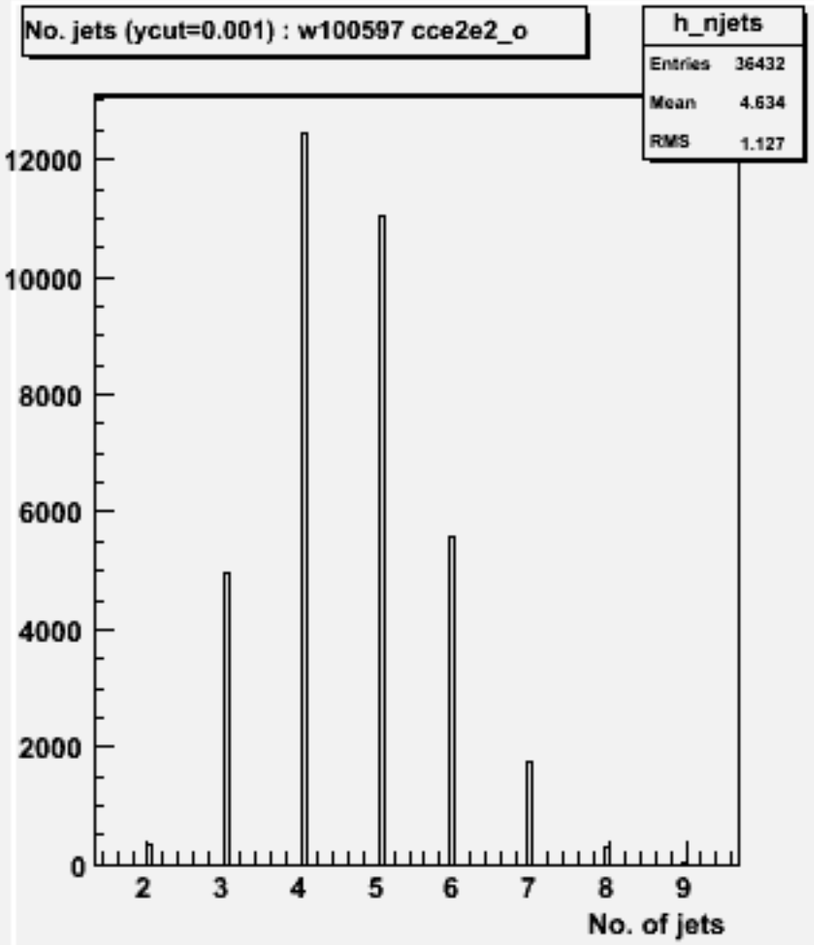

Total Energy (w/o ν): w100597 cce2e2_o
h_evis
Entries 36432
Mean 342.9
RMS 11.71
Energy(GeV)

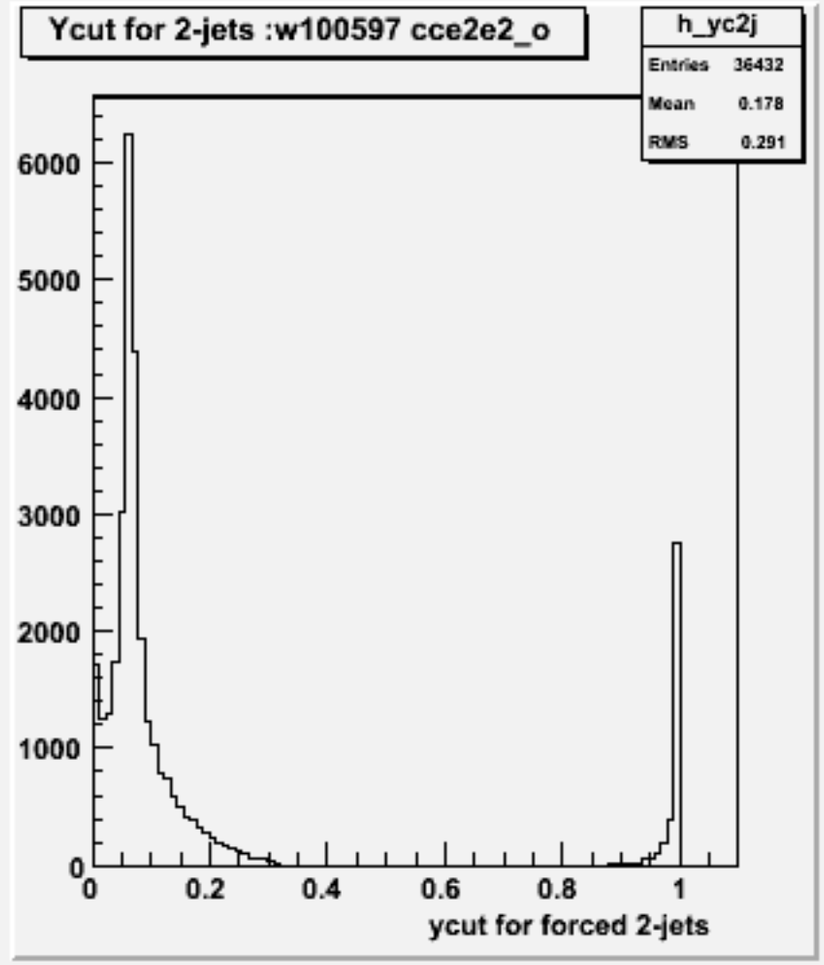
Pt Sum: w100597 cce2e2_o
h_pt
Entries 36432
Mean 1.975
RMS 4.974
Pt(sum) (GeV)

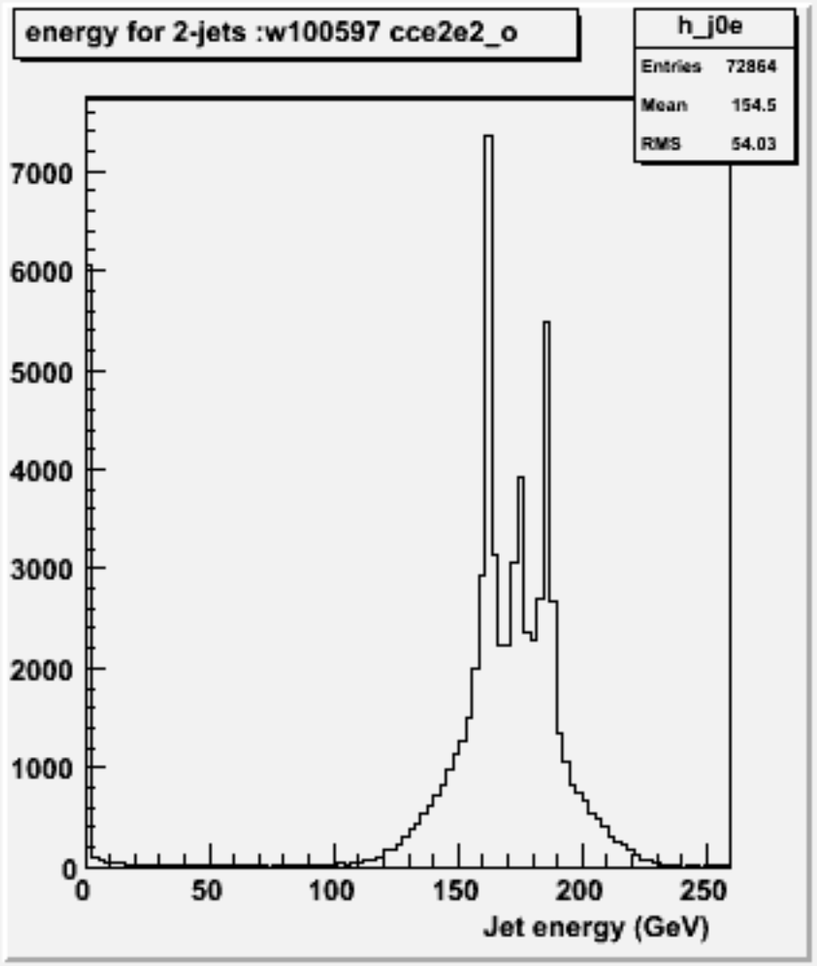
Pz Sum: w100597 cce2e2_o
h_pz
Entries 36432
Mean 0.0108
RMS 10.78
Pz(sum) (GeV)

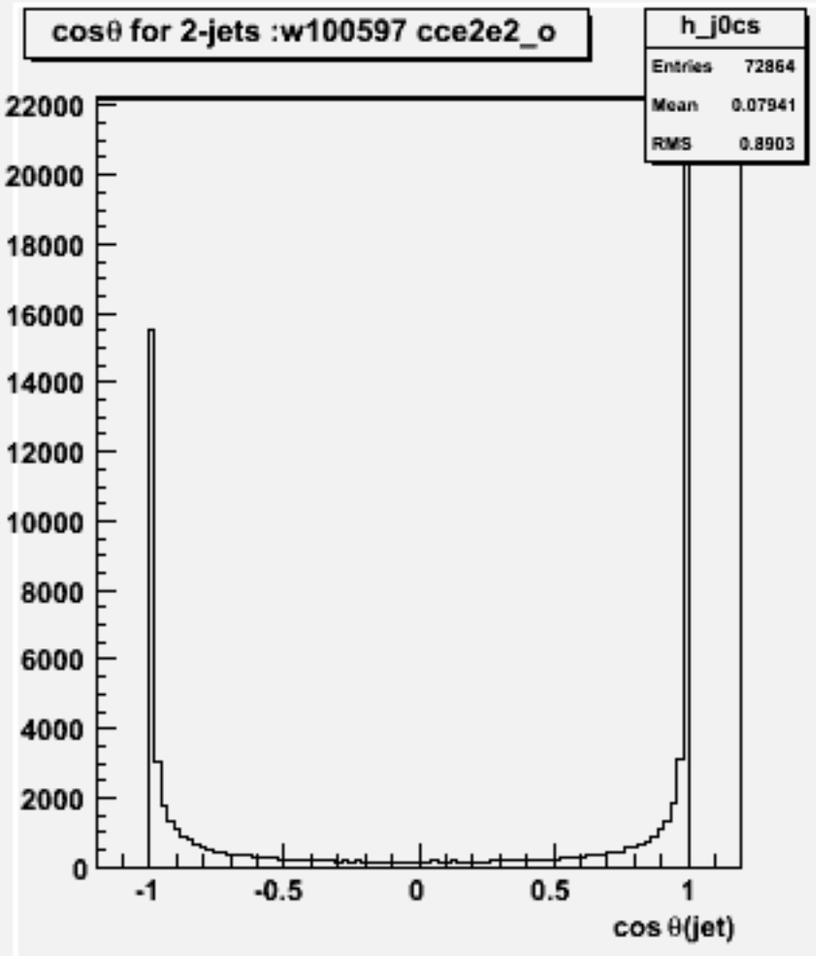
Thrust w100597 cce2e2_o
h_thrust
Entries 36432
Mean 0.9046
RMS 0.06457
Thrust

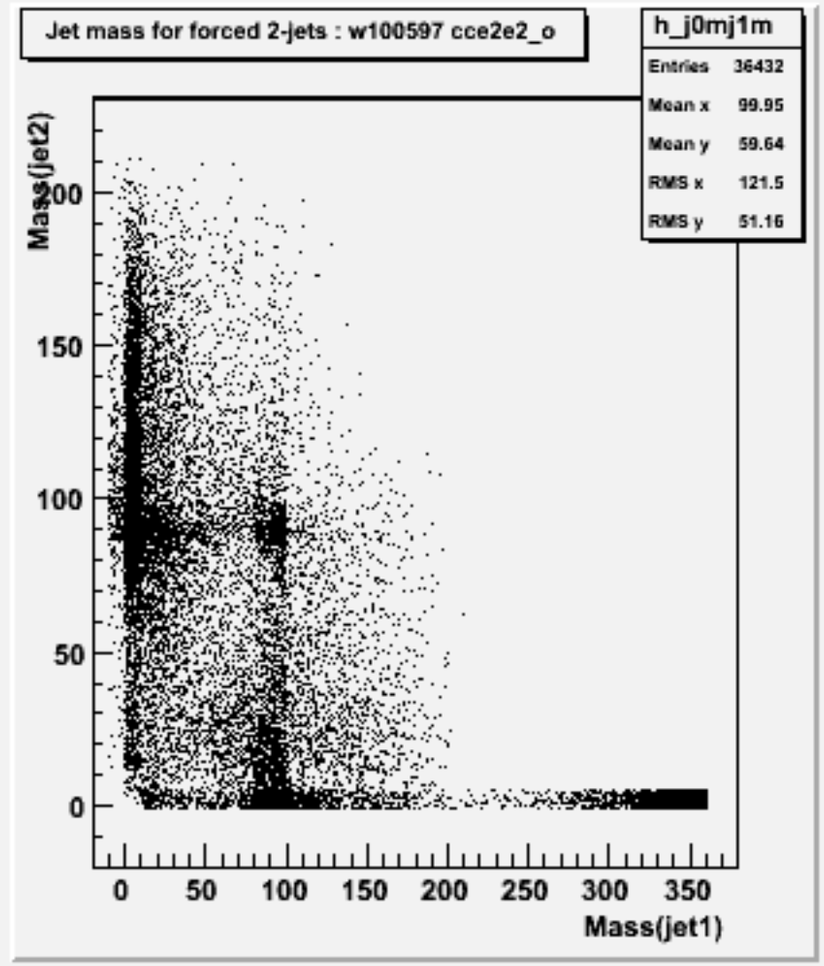

cosΘ(thrust) w100597 cce2e2_o
h_csth
Entries 36432
Mean -0.001722
RMS 0.8784
Thrust

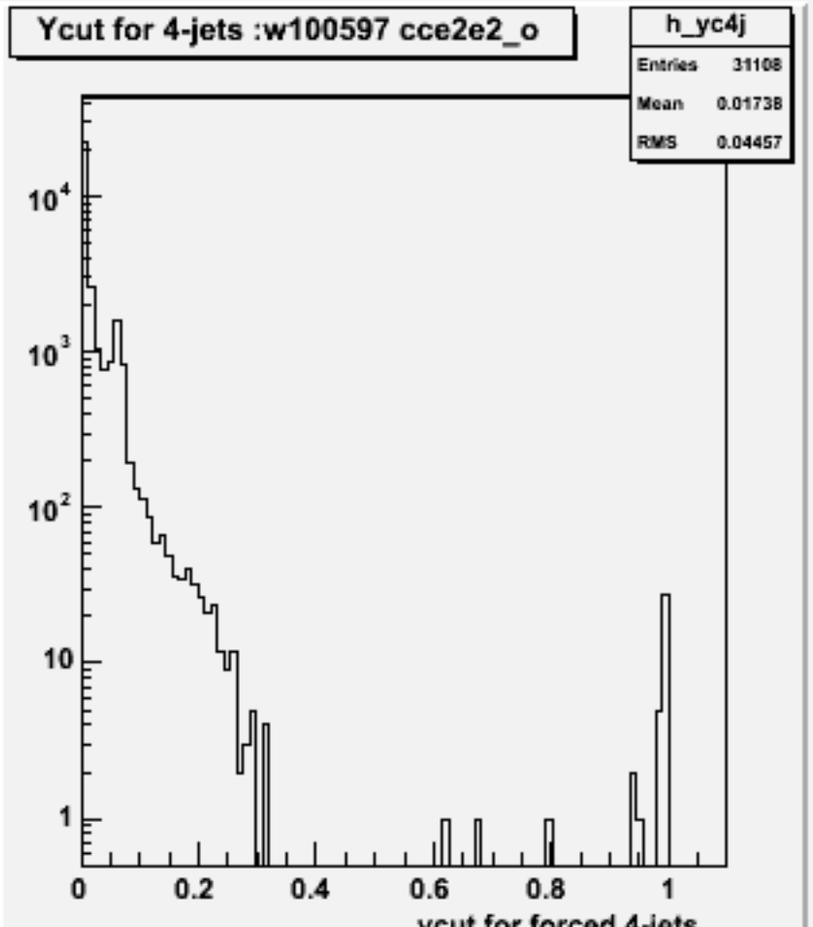

No. jets (ycut=0.001) : w100597 cce2e2_o
h_njets
Entries 36432
Mean 4.634
RMS 1.127
No. of jets

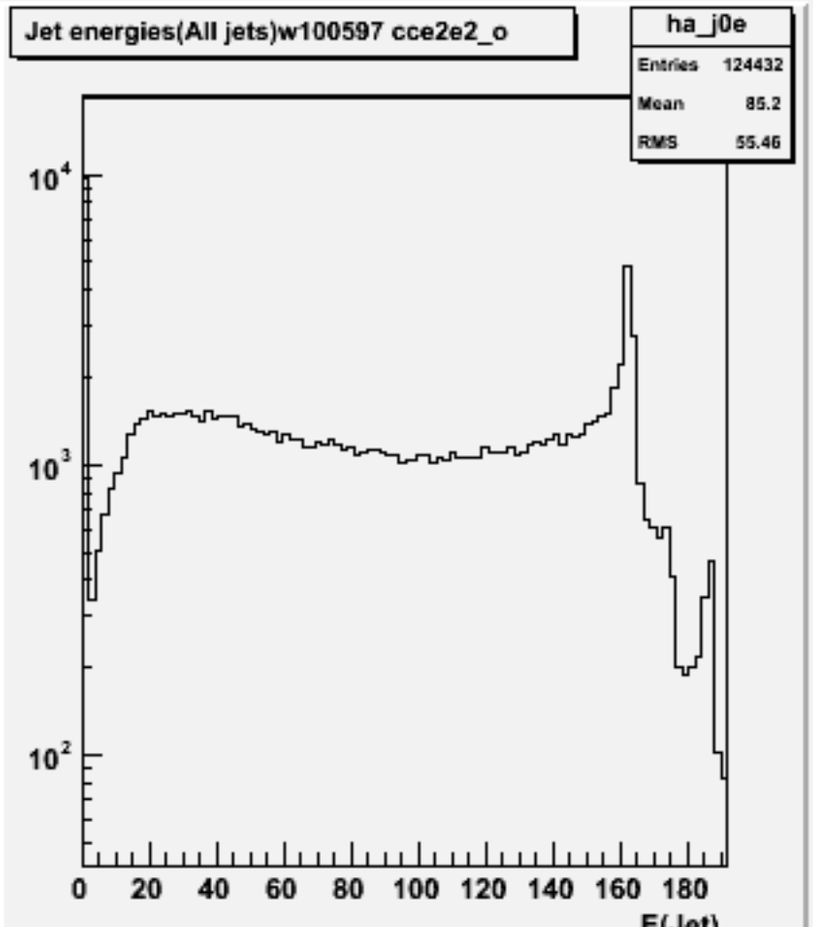

Ycut for 2-jets :w100597 cce2e2_o
h_yc2j
Entries 36432
Mean 0.178
RMS 0.291
ycut for forced 2-jets

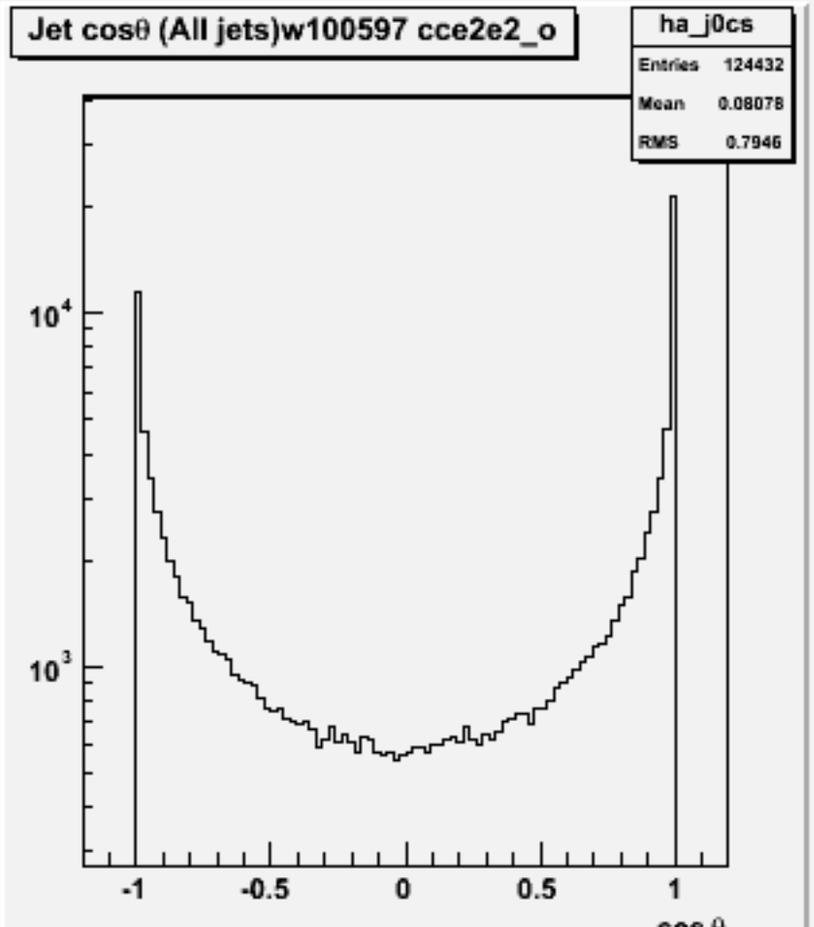

energy for 2-jets :w100597 cce2e2_o
h_j0e
Entries 72864
Mean 154.5
RMS 54.03
Jet energy (GeV)

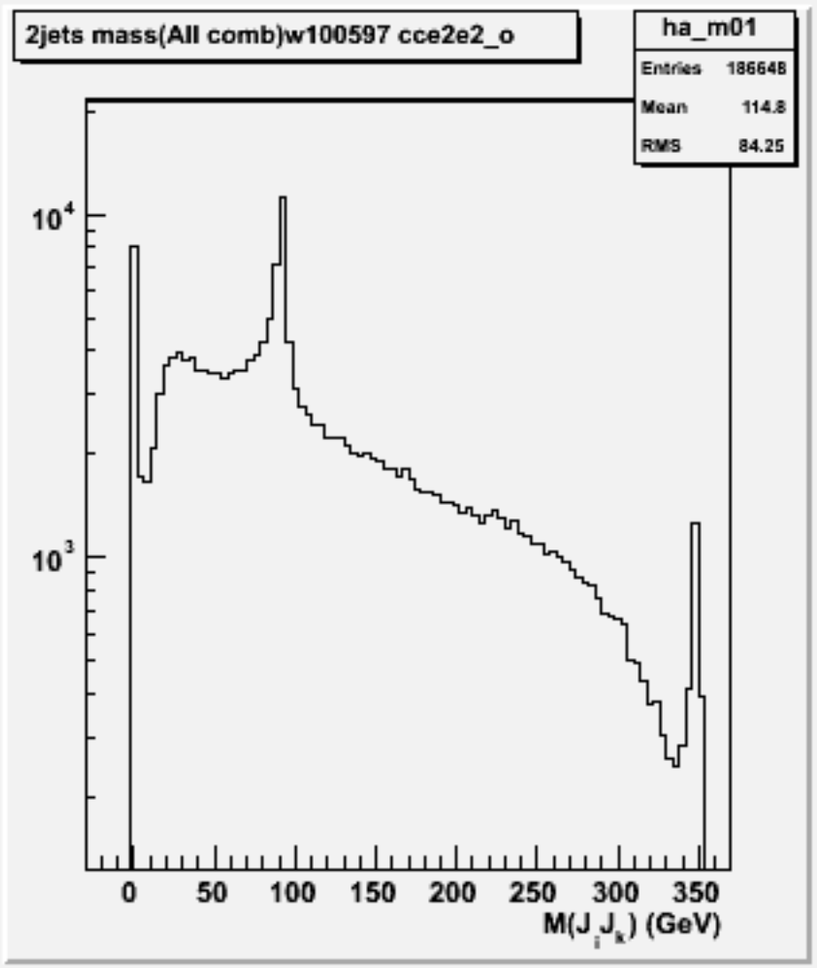

cosθ for 2-jets :w100597 cce2e2_o
h_j0cs
Entries 72864
Mean 0.07941
RMS 0.8903
cos θ(jet)

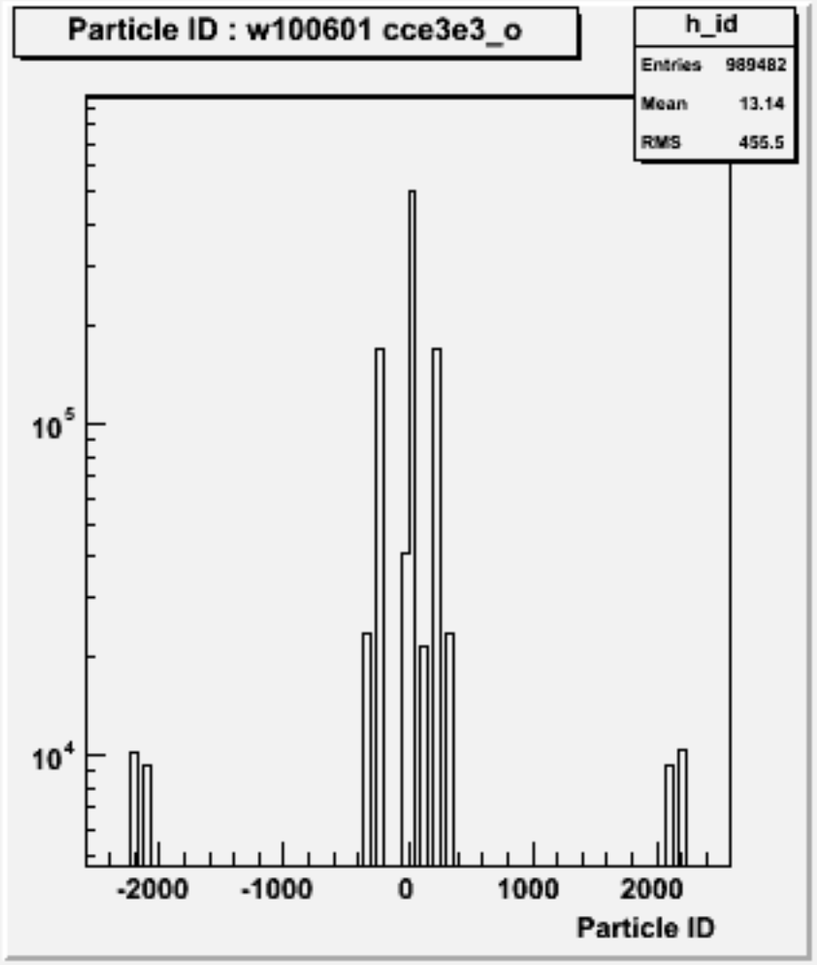

Jet mass for forced 2-jets : w100597 cce2e2_o
h_j0mj1m
Entries 36432
Mean x 99.95
Mean y 59.64
RMS x 121.5
RMS y 51.16
Mass(jet2)
Mass(jet1)

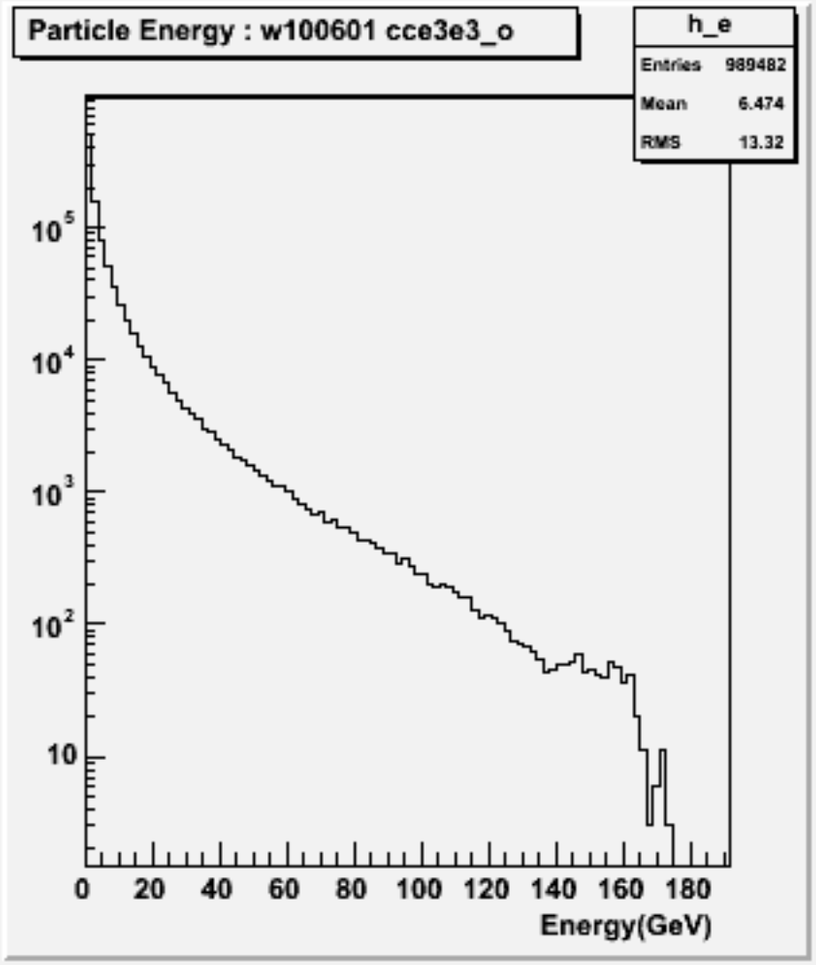

Ycut for 4-jets :w100597 cce2e2_o
h_yc4j
Entries 31108
Mean 0.01738
RMS 0.04457
ycut for forced 4-jets

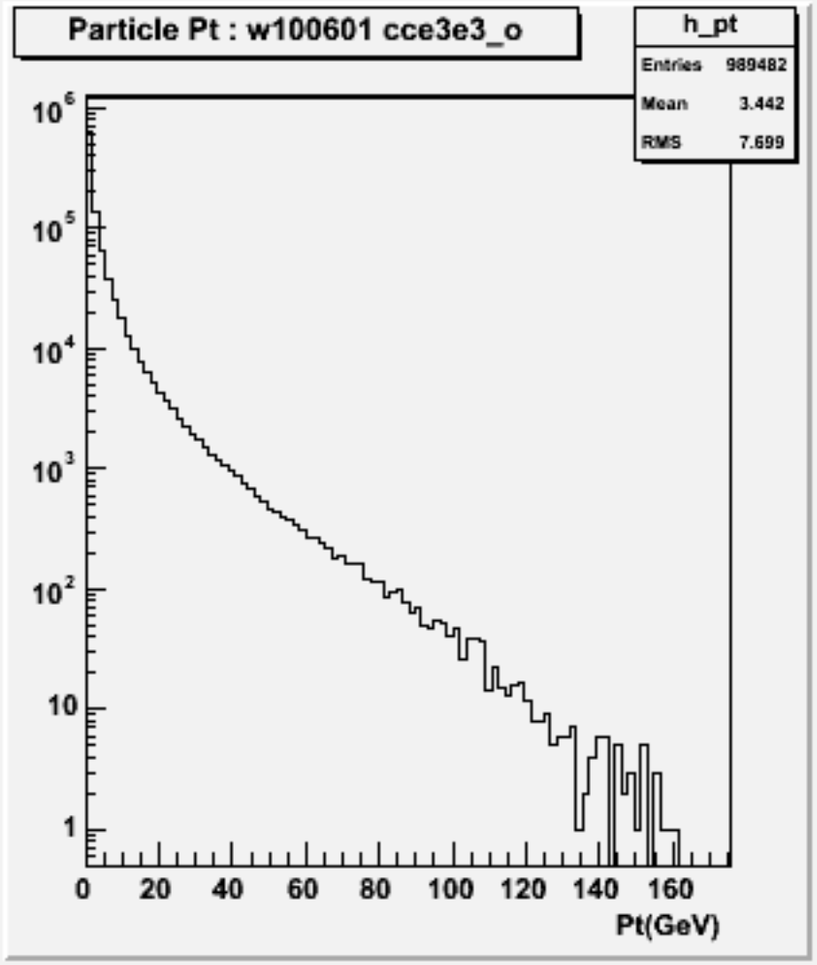

Jet energies(All jets)w100597 cce2e2_o
ha_j0e
Entries 124432
Mean 85.2
RMS 55.46
E(Jet)

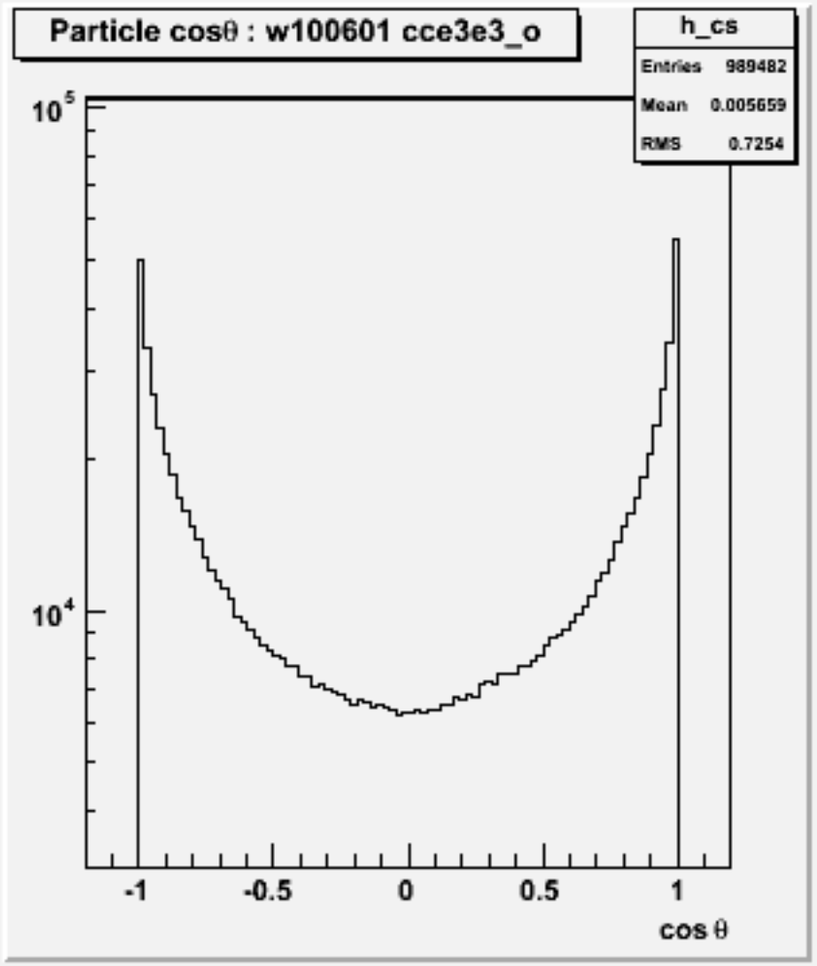

Jet cosθ (All jets)w100597 cce2e2_o
ha_j0cs
Entries 124432
Mean 0.08078
RMS 0.7946
cos θ

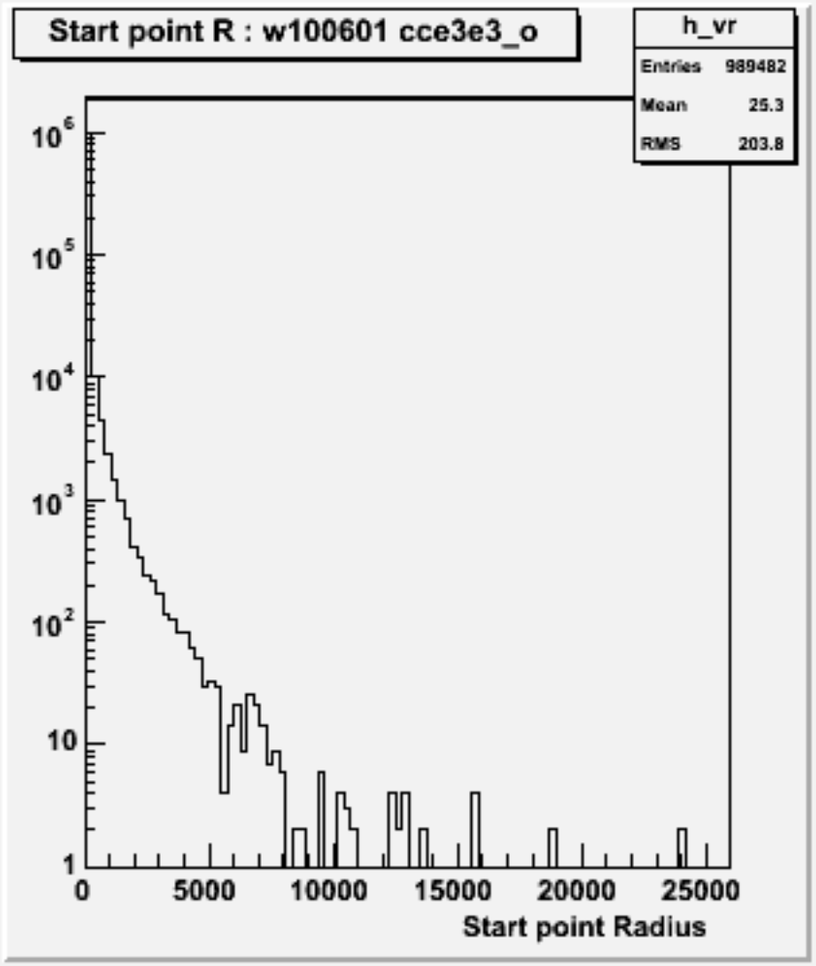

2jets mass(All comb)w100597 cce2e2_o
ha_m01
Entries 186648
Mean 114.8
RMS 84.25
M(J_iJ_k) (GeV)

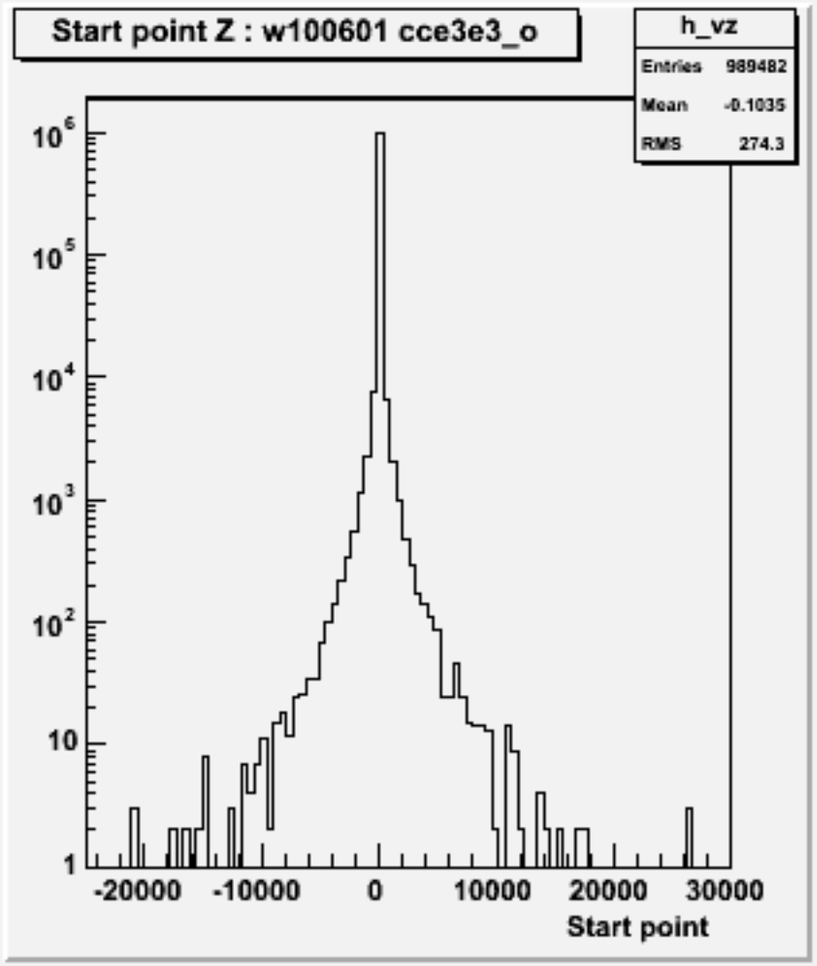

Particle ID : w100601 cce3e3_o
h_id
Entries 989482
Mean 13.14
RMS 455.5
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

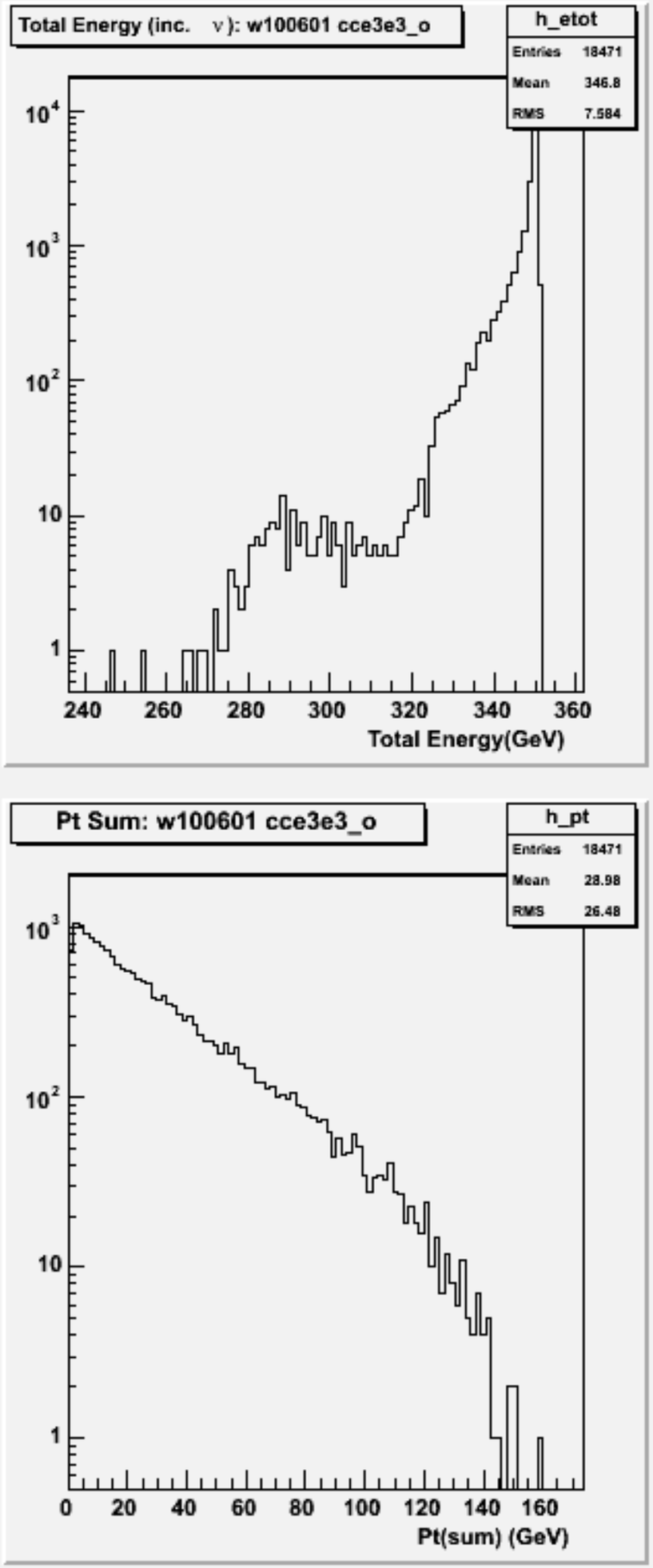

Particle Energy : w100601 cce3e3_o
h_e
Entries 989482
Mean 6.474
RMS 13.32
10^5
10^4
10^3
10^2
10
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

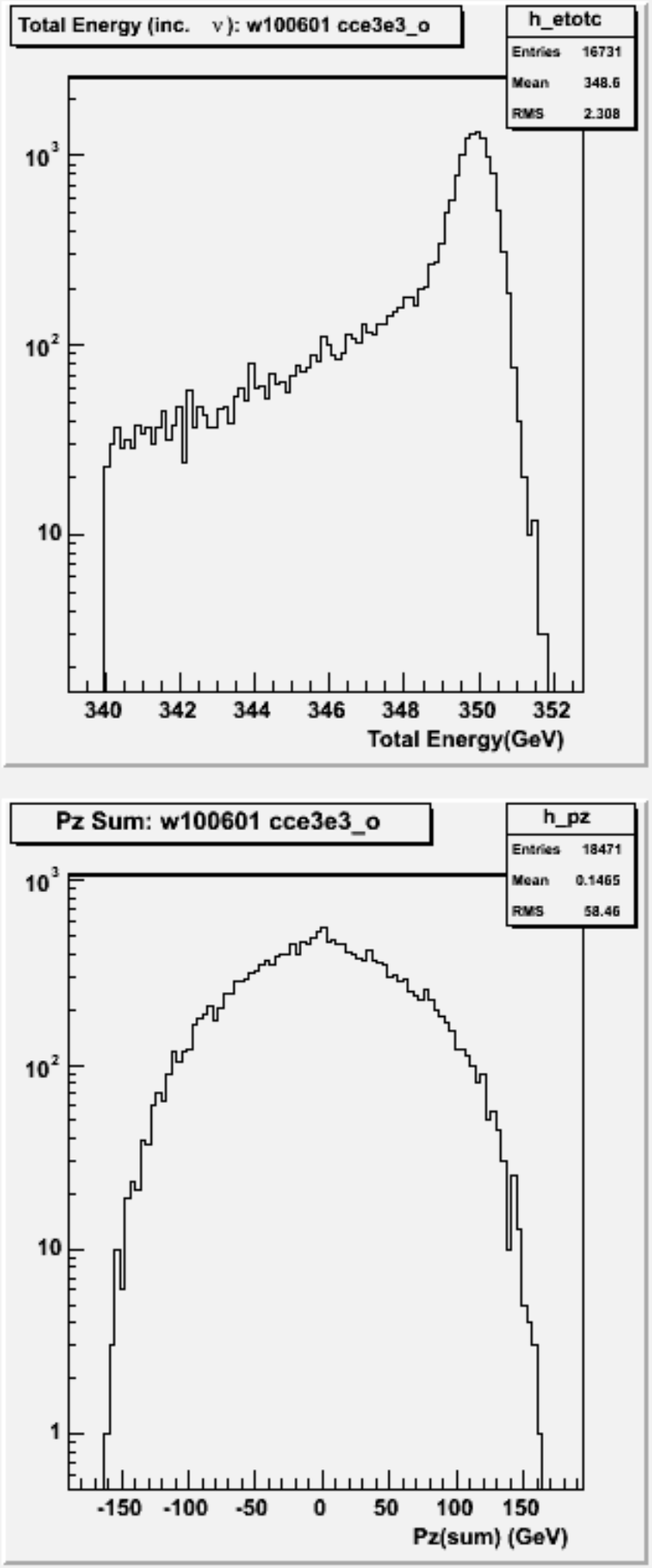

Particle Pt : w100601 cce3e3_o
h_pt
Entries 989482
Mean 3.442
RMS 7.699
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

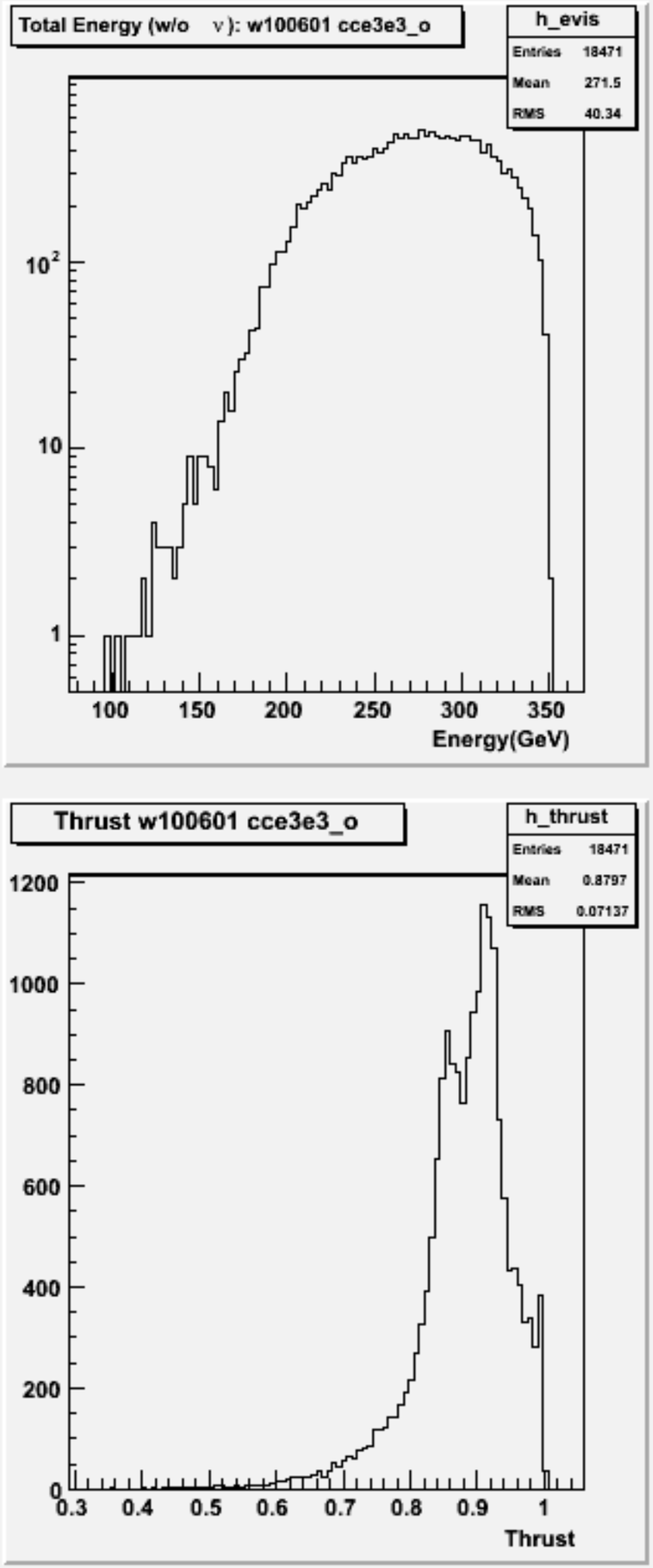

Particle cosθ : w100601 cce3e3_o
h_cs
Entries 989482
Mean 0.005659
RMS 0.7254
10^5
10^4
-1
-0.5
0
0.5
1
cos θ


Start point R : w100601 cce3e3_o
h_vr
Entries 989482
Mean 25.3
RMS 203.8
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius


Start point Z : w100601 cce3e3_o
h_vz
Entries 989482
Mean -0.1035
RMS 274.3
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
30000
Start point


Total Energy (inc. ν): w100601 cce3e3_o
h_etot
Entries 18471
Mean 346.8
RMS 7.584
Total Energy(GeV)

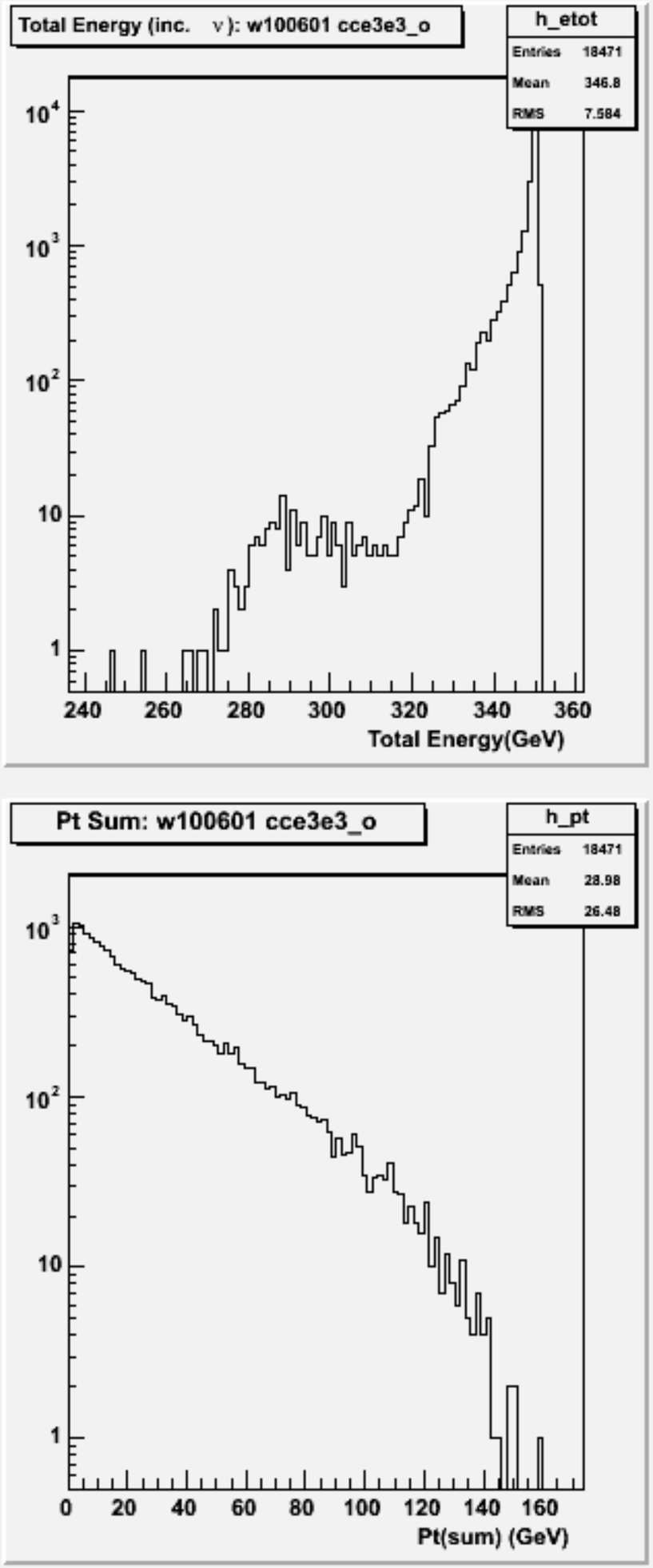

Total Energy (inc. ν): w100601 cce3e3_o
h_etotc
Entries 16731
Mean 348.6
RMS 2.308
Total Energy(GeV)

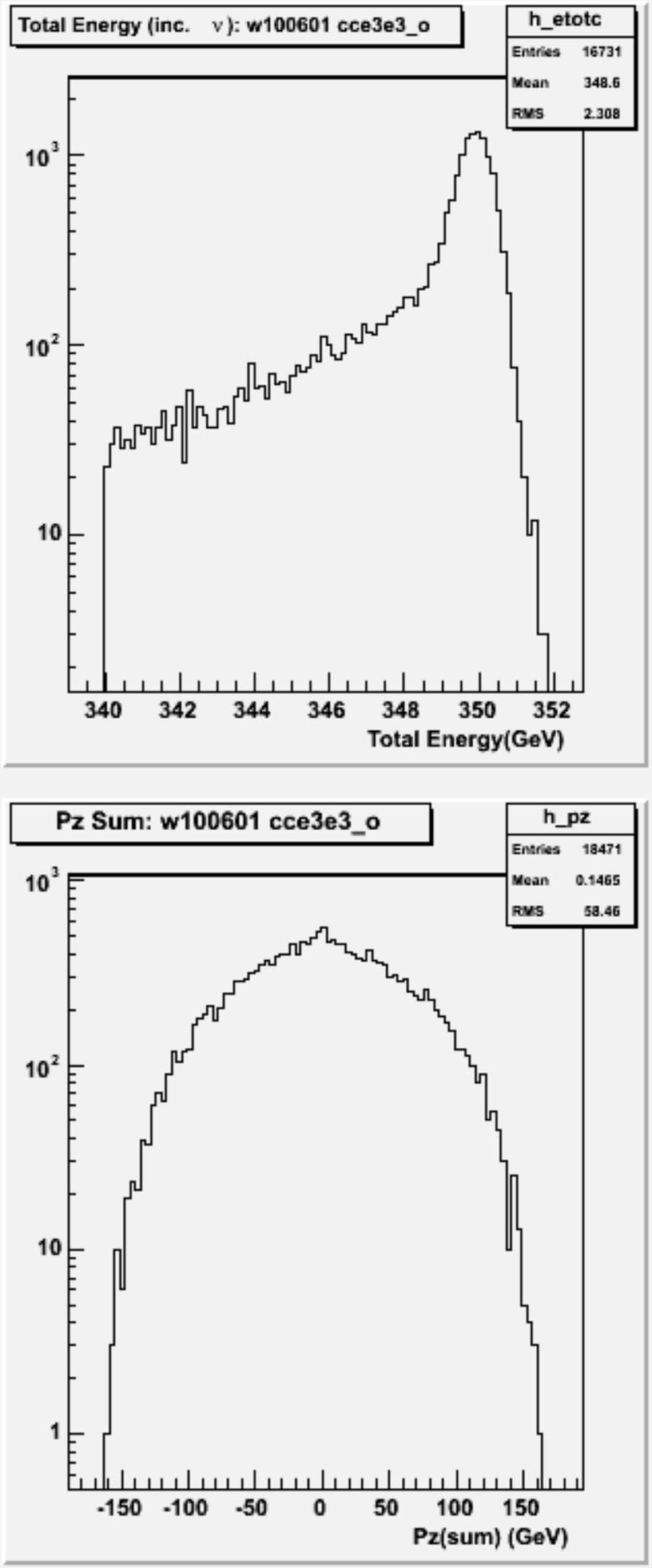

Total Energy (w/o ν): w100601 cce3e3_o
h_evis
Entries 18471
Mean 271.5
RMS 40.34
Energy(GeV)

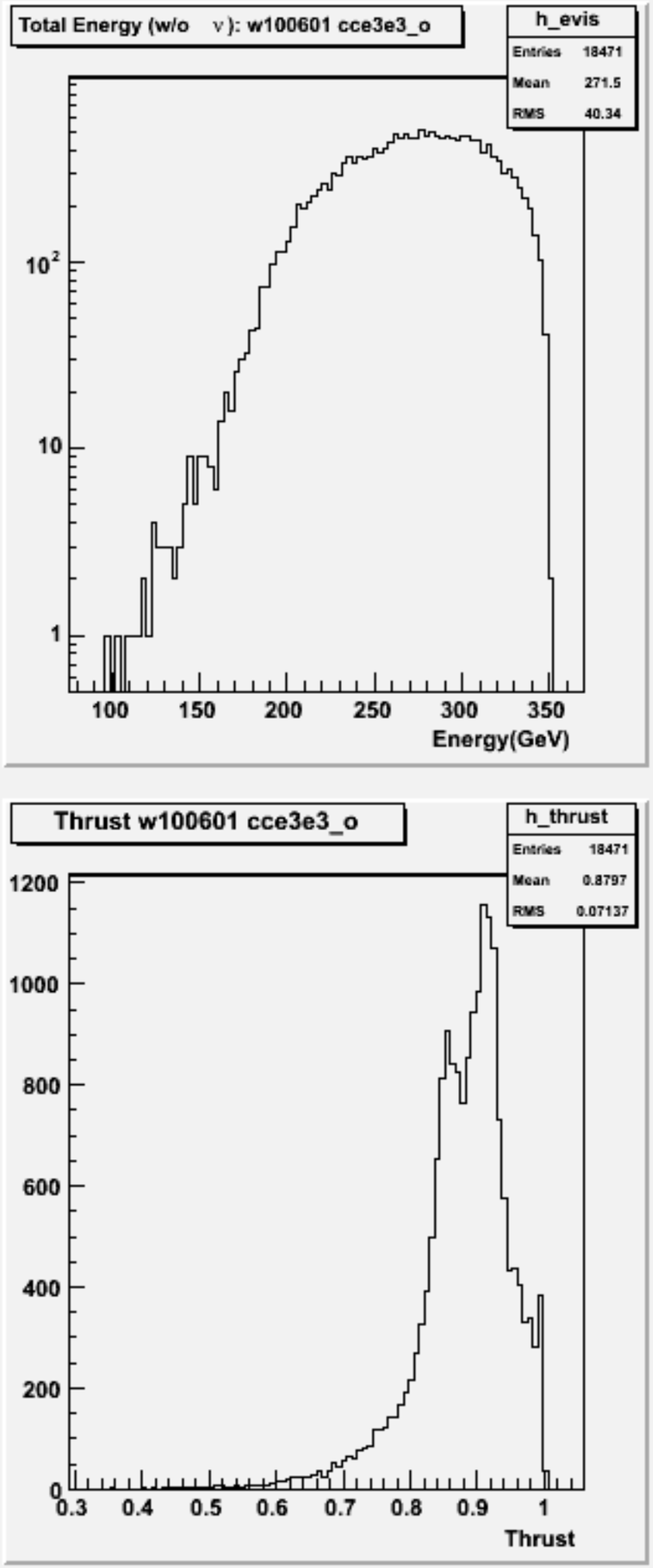
Pt Sum: w100601 cce3e3_o
h_pt
Entries 18471
Mean 28.98
RMS 26.48
Pt(sum) (GeV)

Pz Sum: w100601 cce3e3_o
h_pz
Entries 18471
Mean 0.1465
RMS 58.46
Pz(sum) (GeV)

Thrust w100601 cce3e3_o
h_thrust
Entries 18471
Mean 0.8797
RMS 0.07137
Thrust


Total Energy (inc. ν): w100601 cce3e3_o
h_etot
Entries 18471
Mean 346.8
RMS 7.584
Total Energy(GeV)

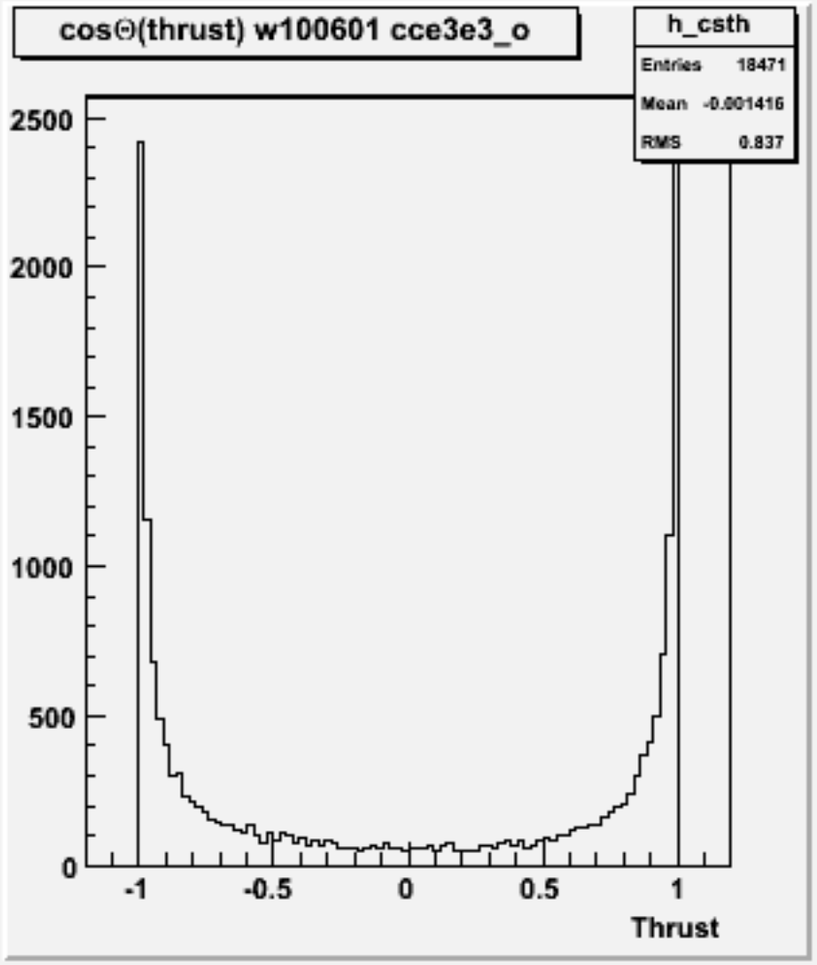

Total Energy (inc. ν): w100601 cce3e3_o
h_etotc
Entries 16731
Mean 348.6
RMS 2.308
Total Energy(GeV)

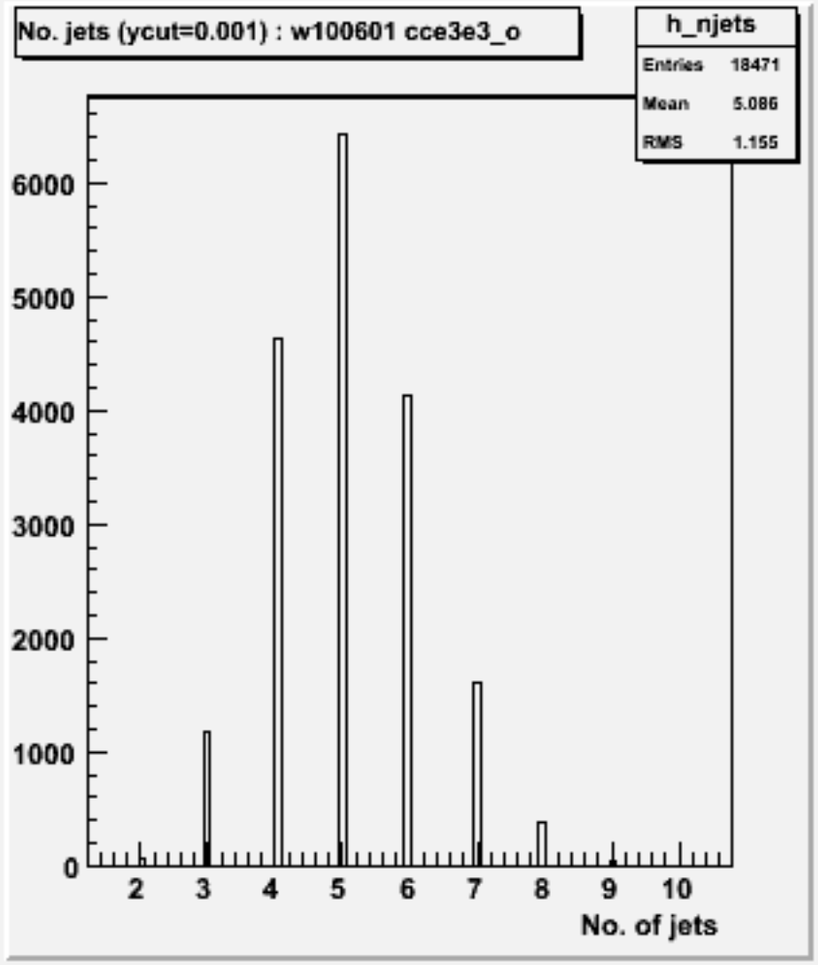

Total Energy (w/o ν): w100601 cce3e3_o
h_evis
Entries 18471
Mean 271.5
RMS 40.34
Energy(GeV)

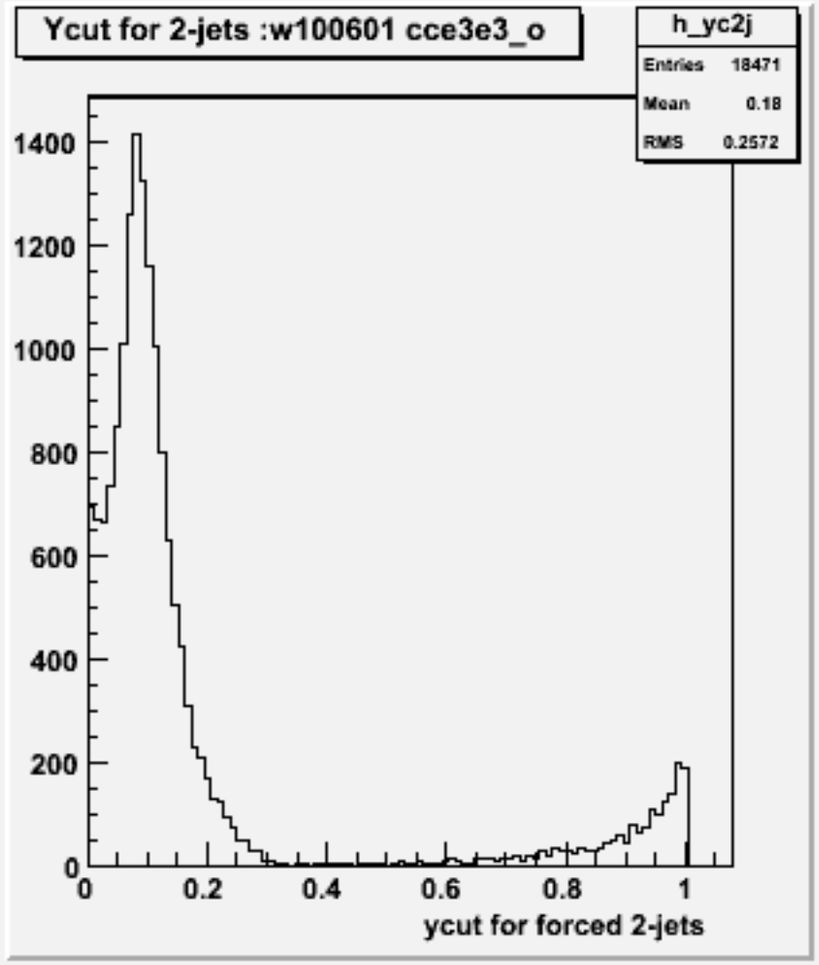
Pt Sum: w100601 cce3e3_o
h_pt
Entries 18471
Mean 28.98
RMS 26.48
Pt(sum) (GeV)

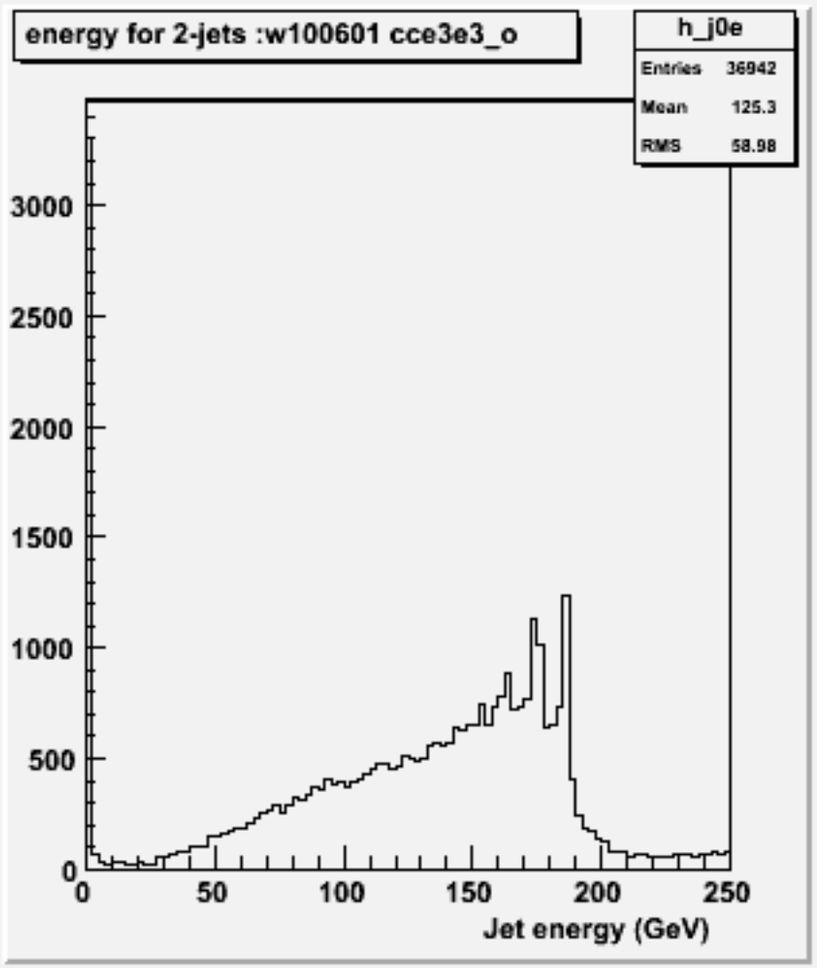
Pz Sum: w100601 cce3e3_o
h_pz
Entries 18471
Mean 0.1465
RMS 58.46
Pz(sum) (GeV)

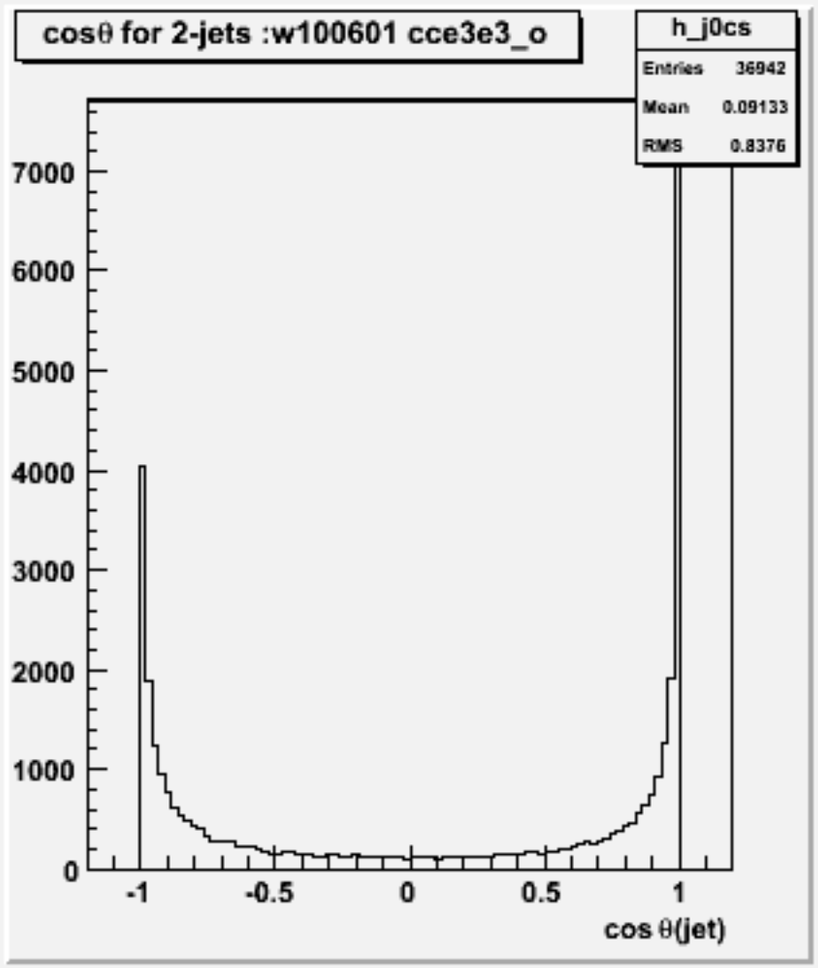
Thrust w100601 cce3e3_o
h_thrust
Entries 18471
Mean 0.8797
RMS 0.07137
Thrust

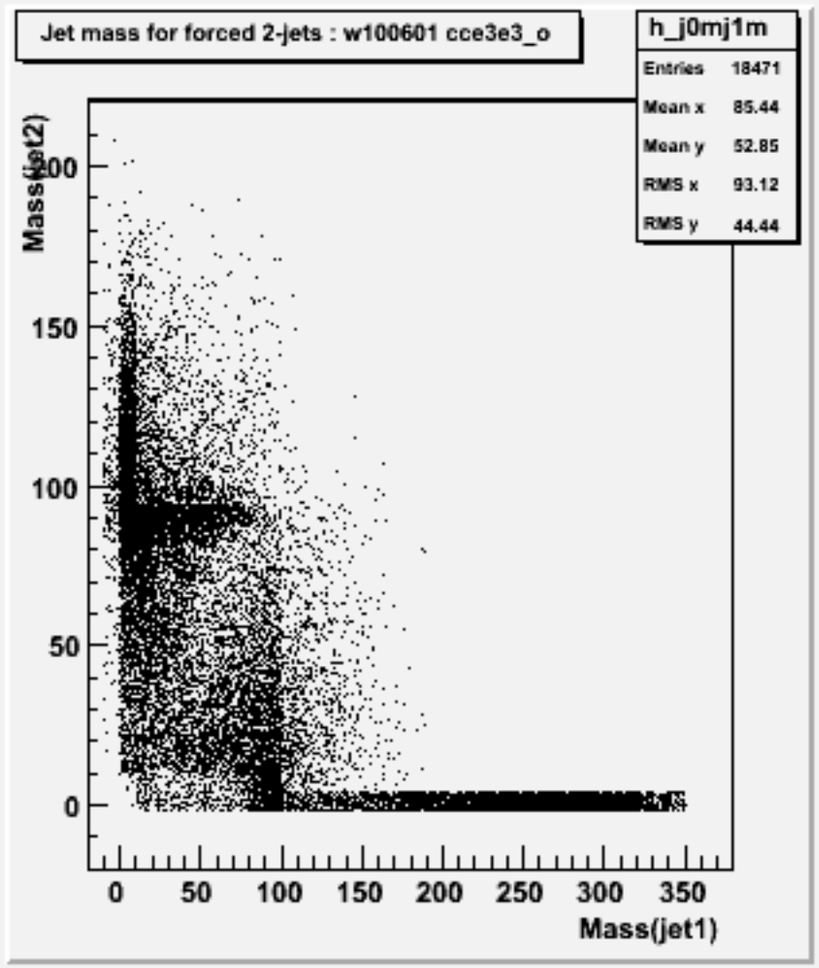

cosΘ(thrust) w100601 cce3e3_o
h_csth
Entries 18471
Mean -0.001416
RMS 0.837
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
Thrust

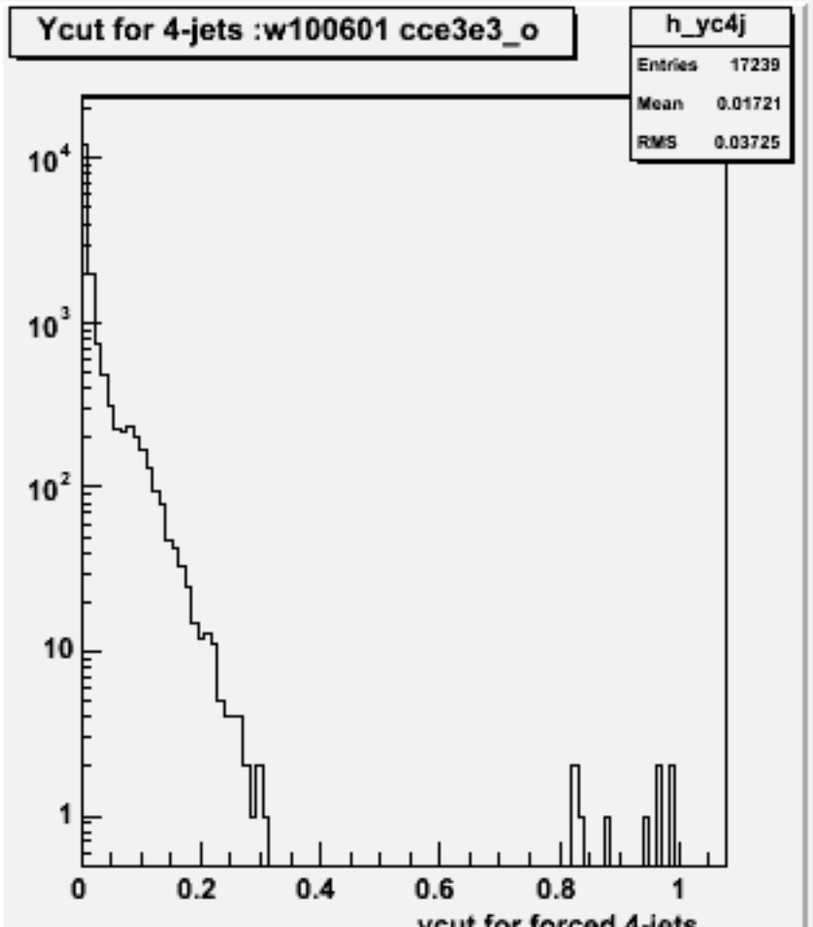

No. jets (ycut=0.001) : w100601 cce3e3_o
h_njets
Entries 18471
Mean 5.086
RMS 1.155
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
9
10
No. of jets

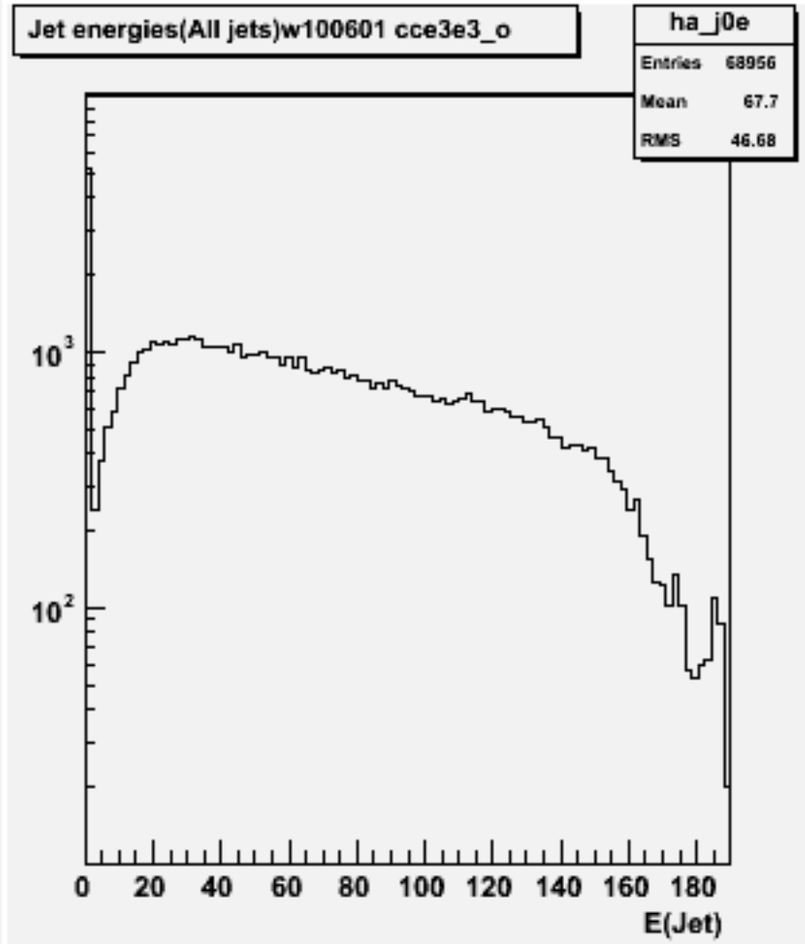

Ycut for 2-jets :w100601 cce3e3_o
h_yc2j
Entries 18471
Mean 0.18
RMS 0.2572
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

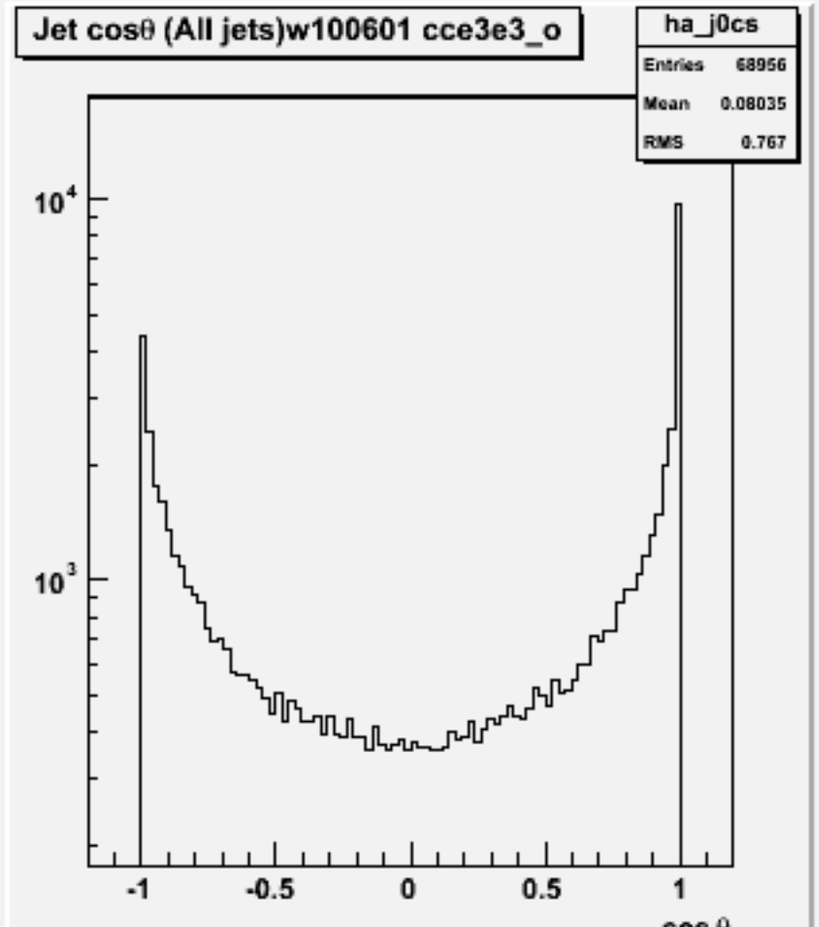

energy for 2-jets :w100601 cce3e3_o
h_j0e
Entries 36942
Mean 125.3
RMS 58.98
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
Jet energy (GeV)

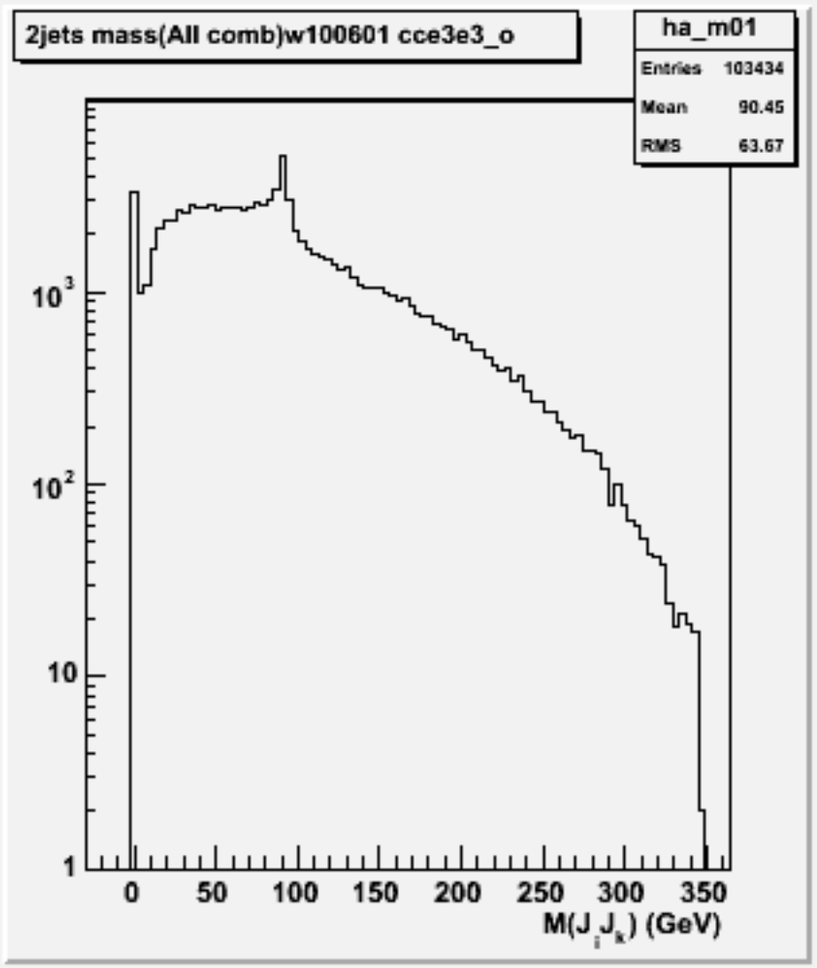

cosθ for 2-jets :w100601 cce3e3_o
h_j0cs
Entries 36942
Mean 0.09133
RMS 0.8376
7000
6000
5000
4000
3000
2000
1000
0
-1
-0.5
0
0.5
1
cos θ(jet)

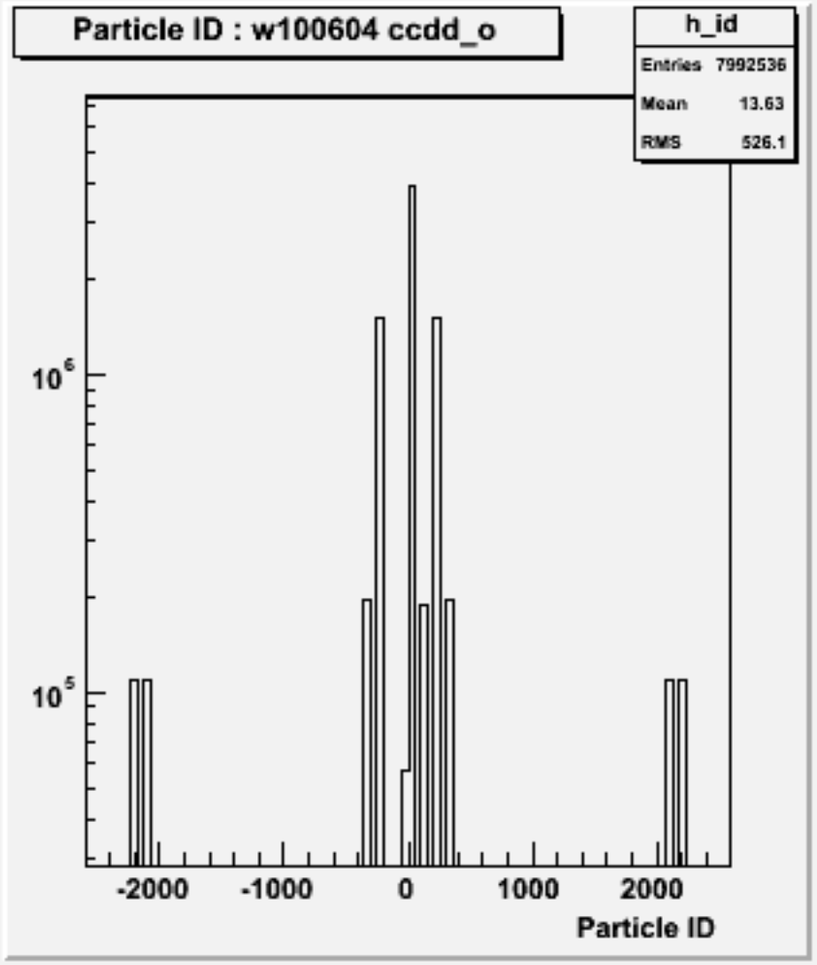

Jet mass for forced 2-jets : w100601 cce3e3_o
h_j0mj1m
Entries 18471
Mean x 85.44
Mean y 52.85
RMS x 93.12
RMS y 44.44
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

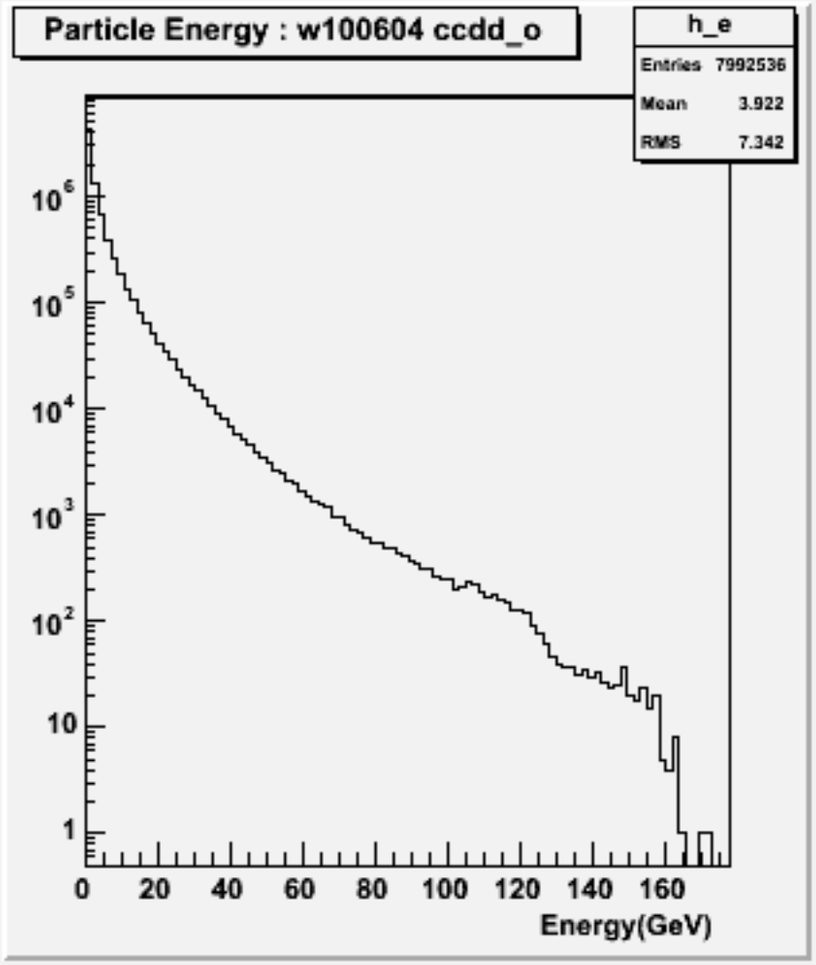

Ycut for 4-jets :w100601 cce3e3_o
h_yc4j
Entries 17239
Mean 0.01721
RMS 0.03725
ycut for forced 4-jets

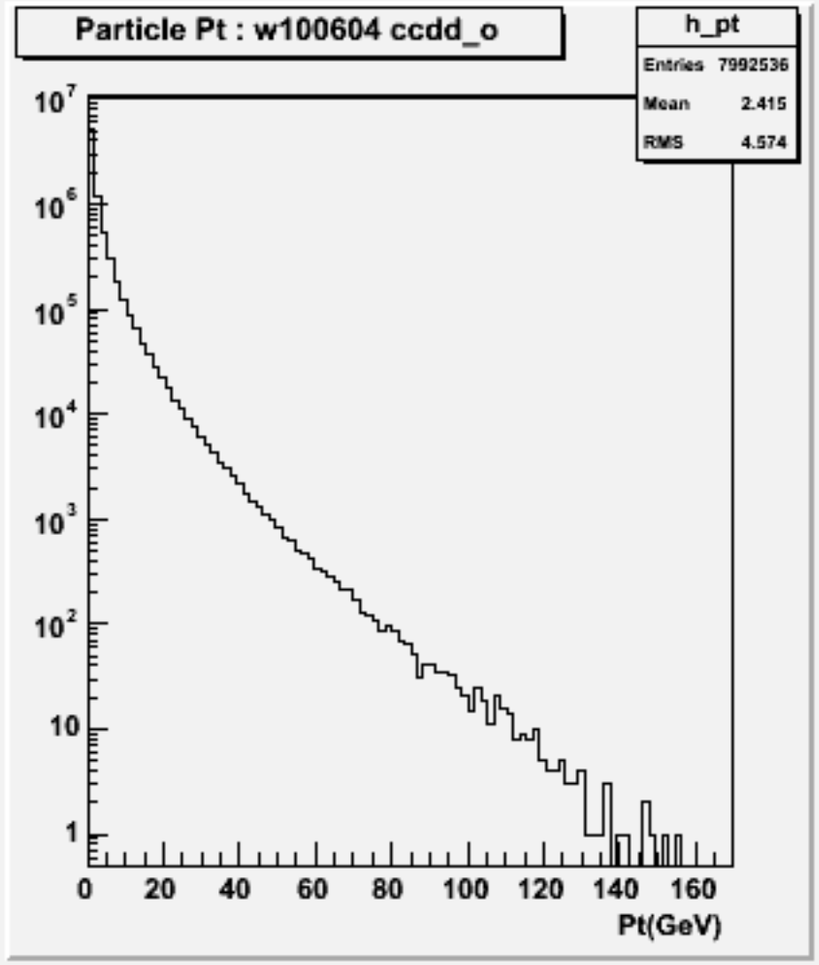

Jet energies(All jets)w100601 cce3e3_o
ha_j0e
Entries 68956
Mean 67.7
RMS 46.68
E(Jet)

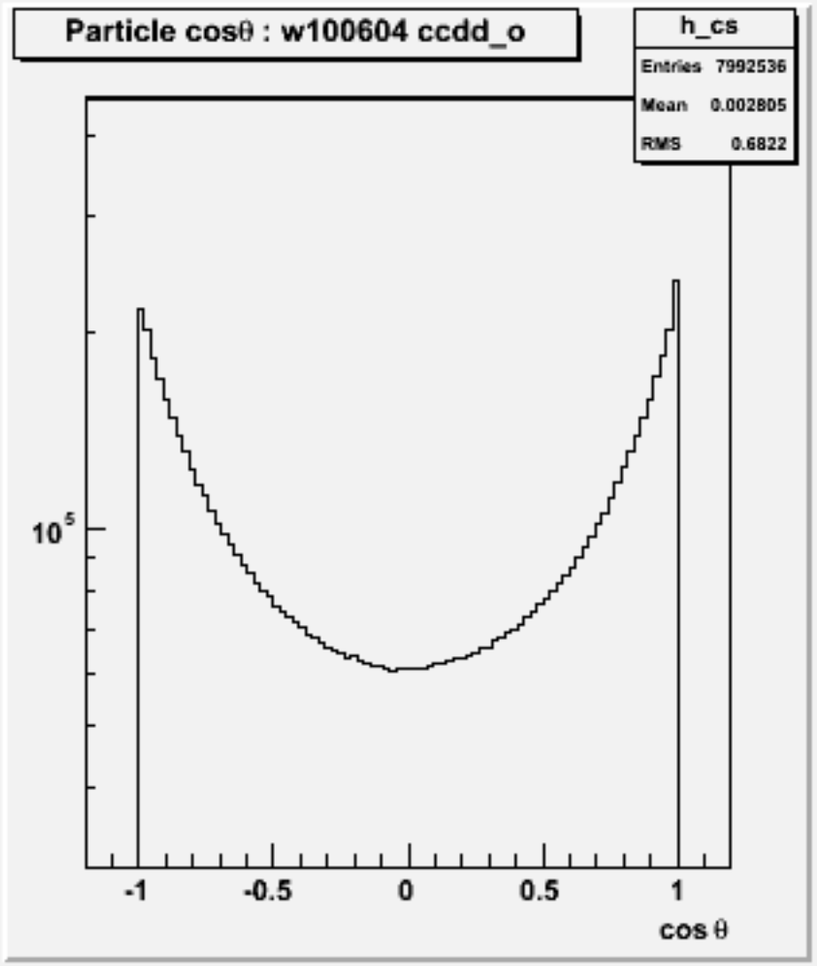

Jet cosθ (All jets)w100601 cce3e3_o
ha_j0cs
Entries 68956
Mean 0.08035
RMS 0.767
cos θ

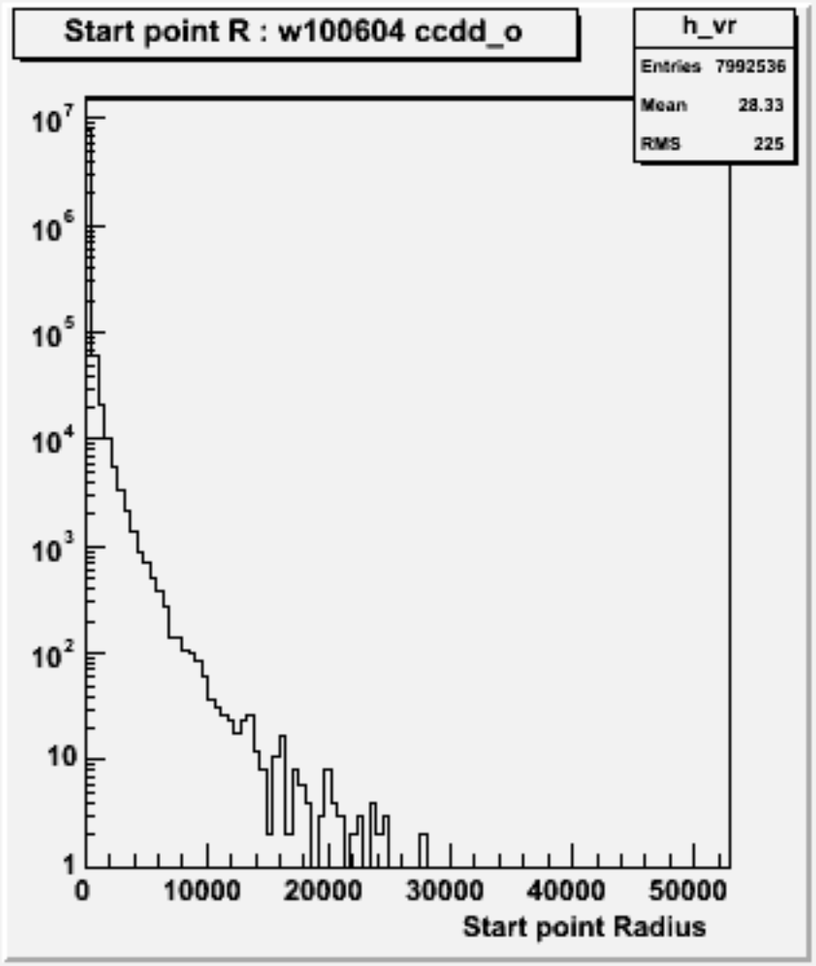

2jets mass(All comb)w100601 cce3e3_o
ha_m01
Entries 103434
Mean 90.45
RMS 63.67
M(J_iJ_k) (GeV)

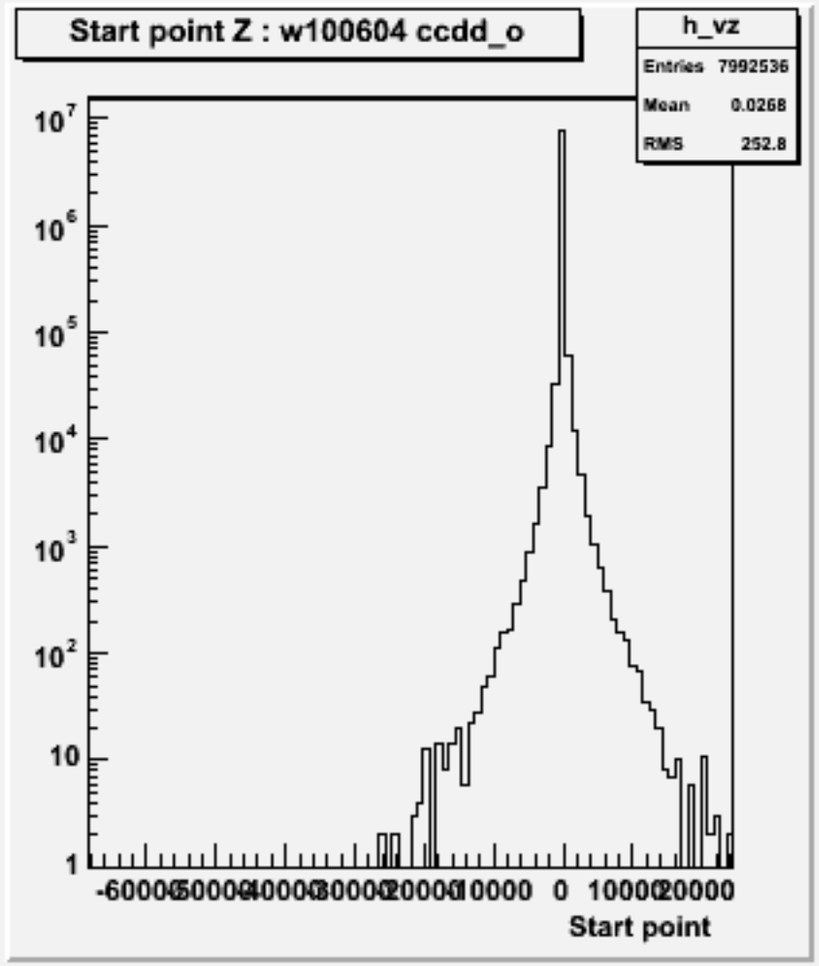

Particle ID : w100604 ccdd_o
h_id
Entries 7992536
Mean 13.63
RMS 526.1
Particle ID

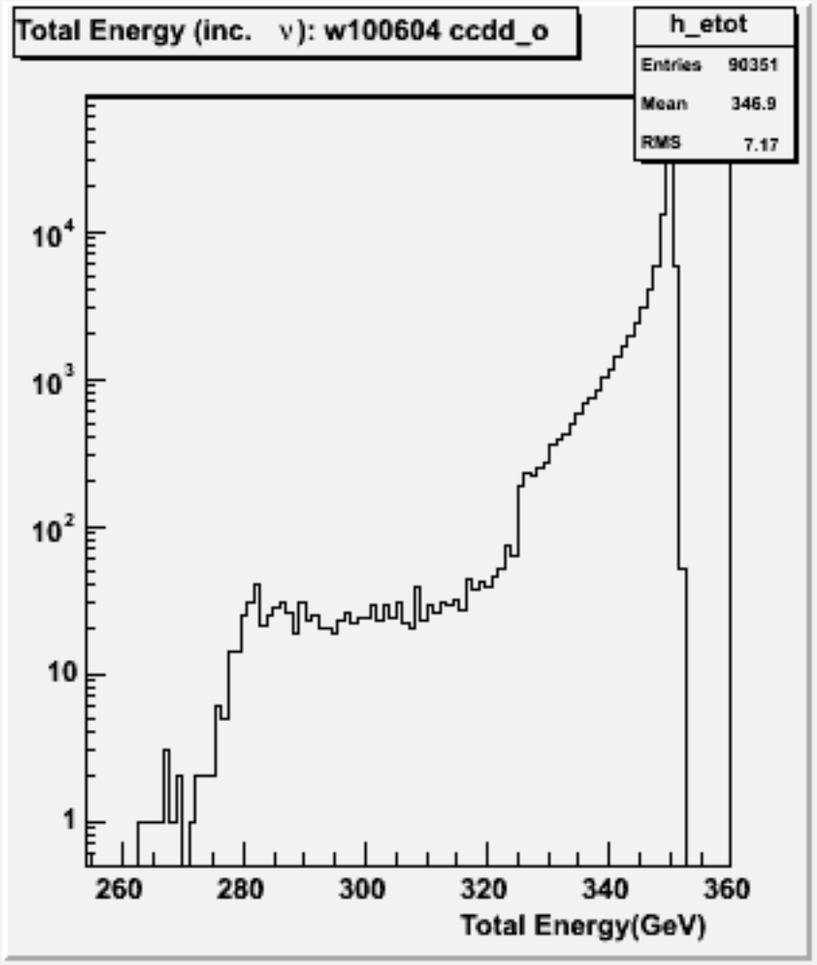

Particle Energy : w100604 ccdd_o
h_e
Entries 7992536
Mean 3.922
RMS 7.342
Energy(GeV)

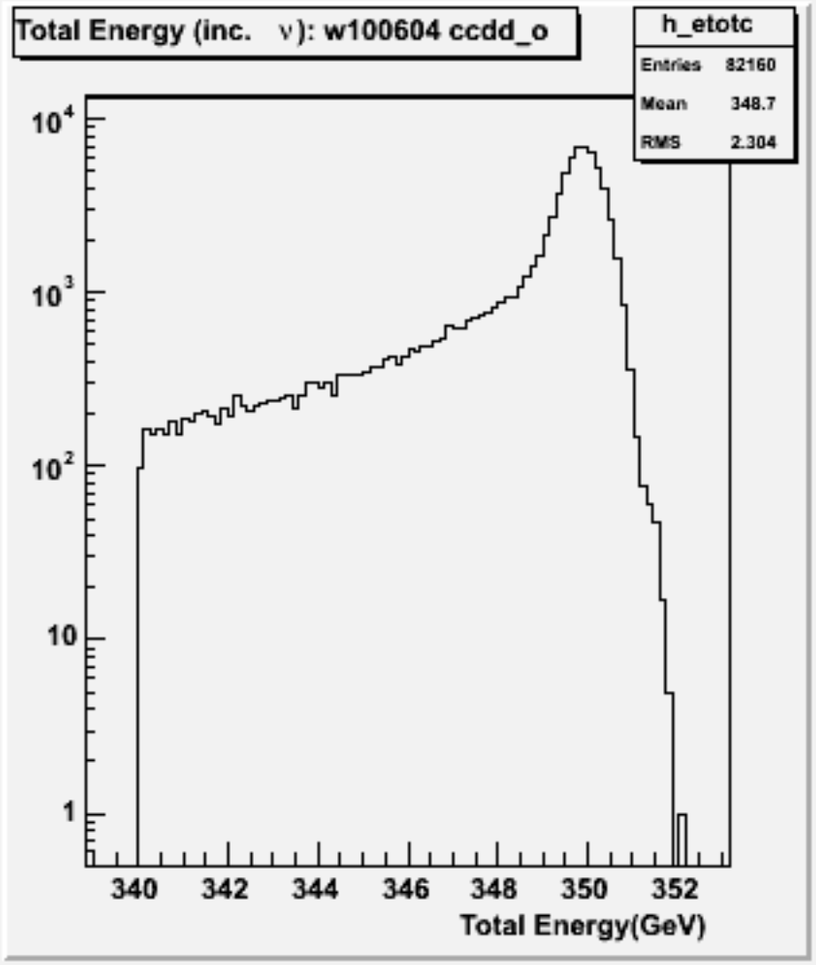

Particle Pt : w100604 ccdd_o
h_pt
Entries 7992536
Mean 2.415
RMS 4.574
Pt(GeV)

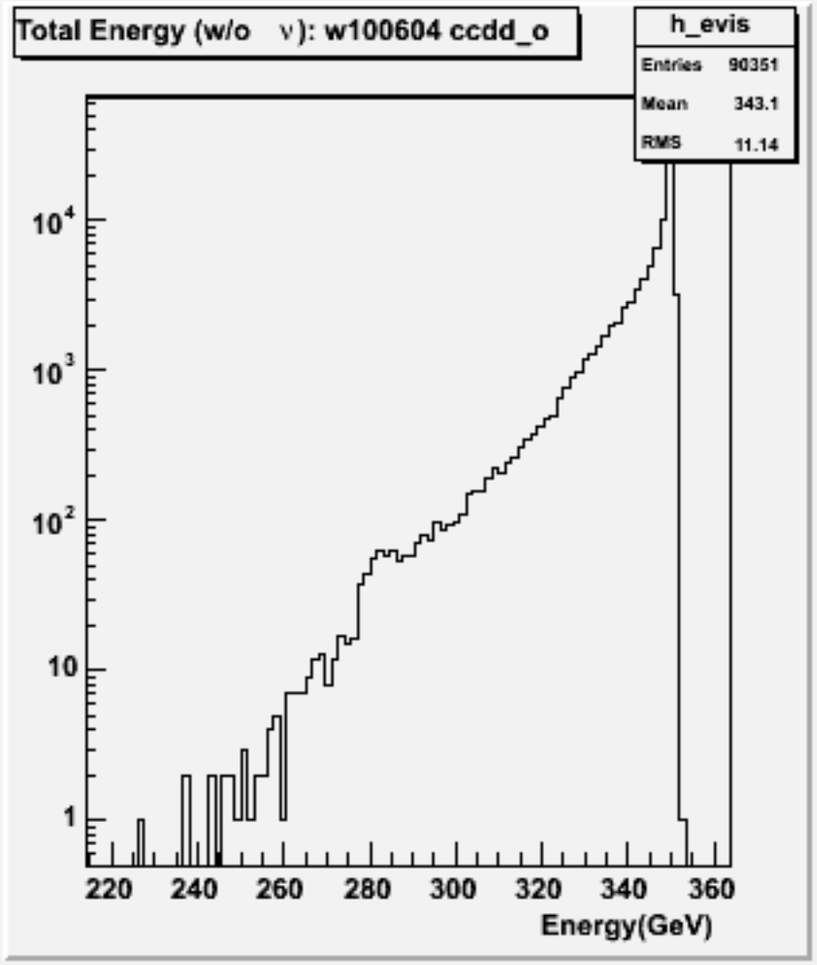

Particle cosθ : w100604 ccdd_o
h_cs
Entries 7992536
Mean 0.002805
RMS 0.6822
cos θ

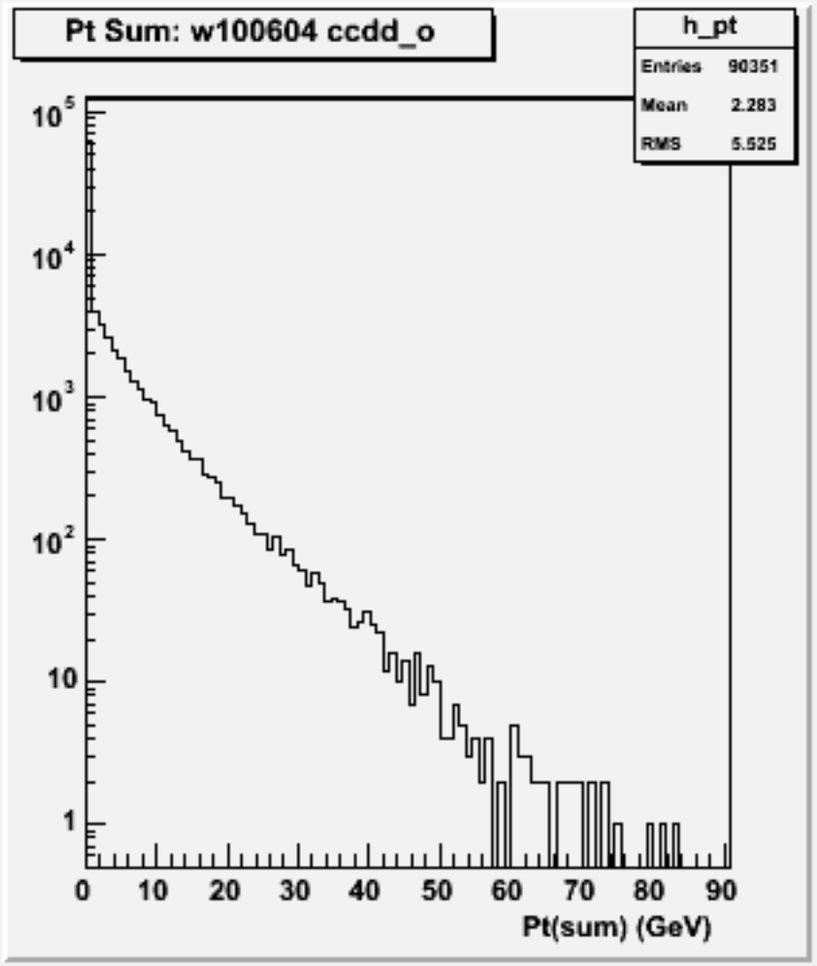

Start point R : w100604 ccdd_o
h_vr
Entries 7992536
Mean 28.33
RMS 225
Start point Radius

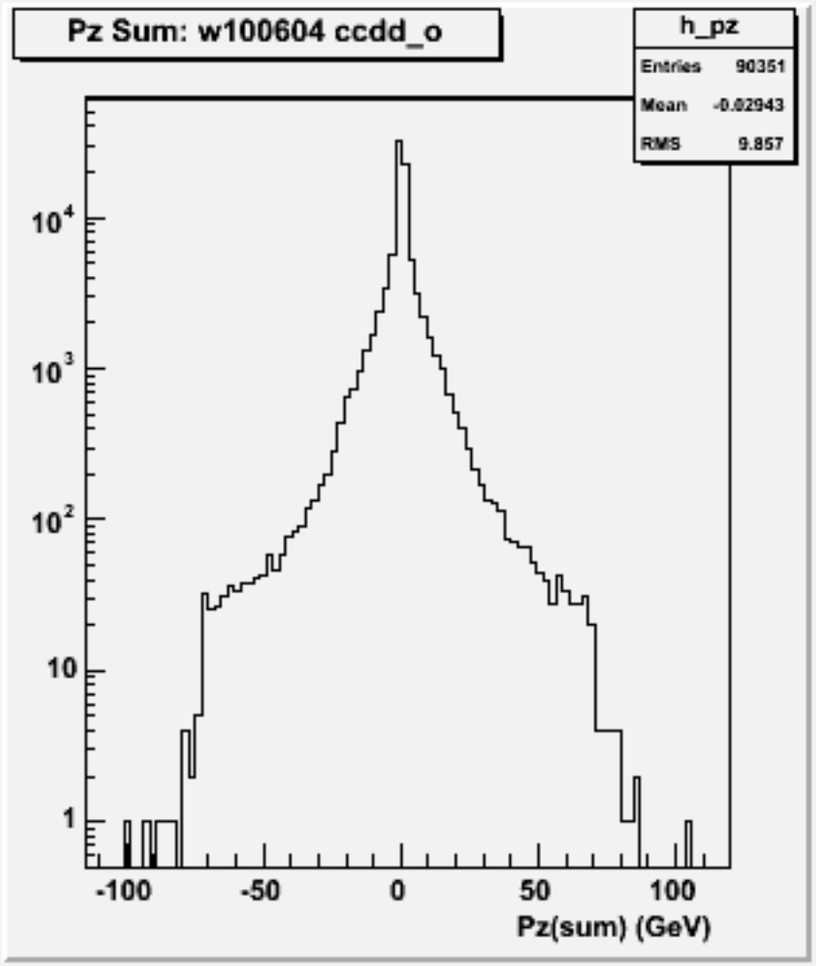

Start point Z : w100604 ccdd_o
h_vz
Entries 7992536
Mean 0.0268
RMS 252.8
Start point

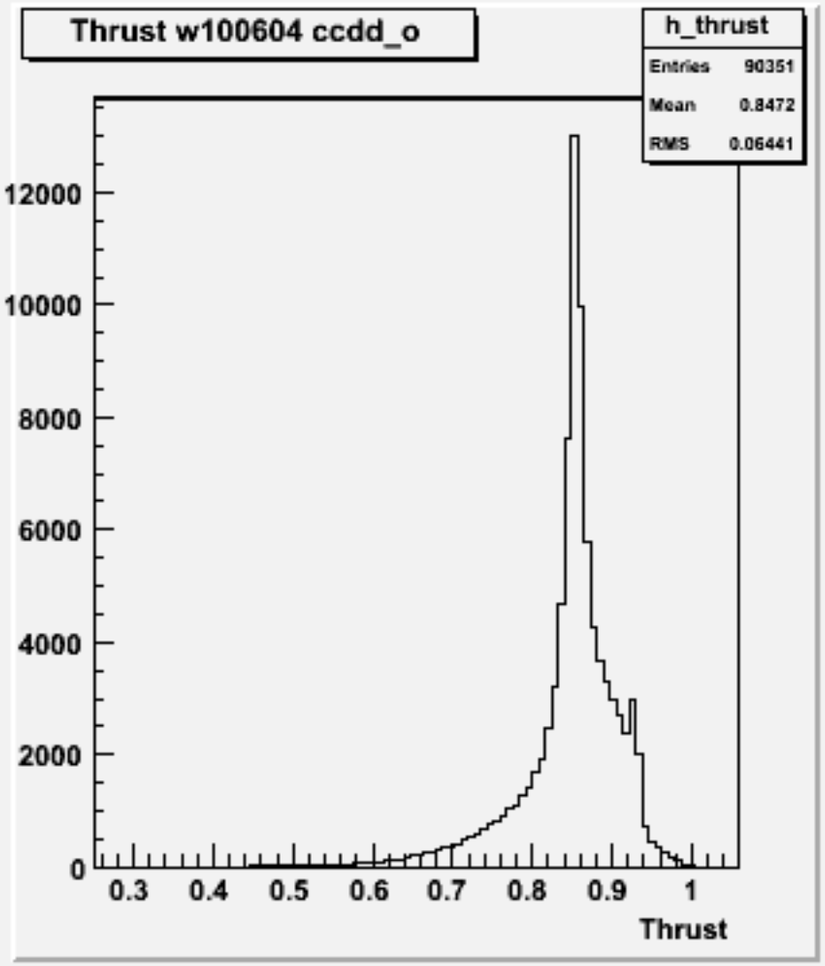

Total Energy (inc. ν): w100604 ccdd_o
h_etot
Entries 90351
Mean 346.9
RMS 7.17
Total Energy(GeV)

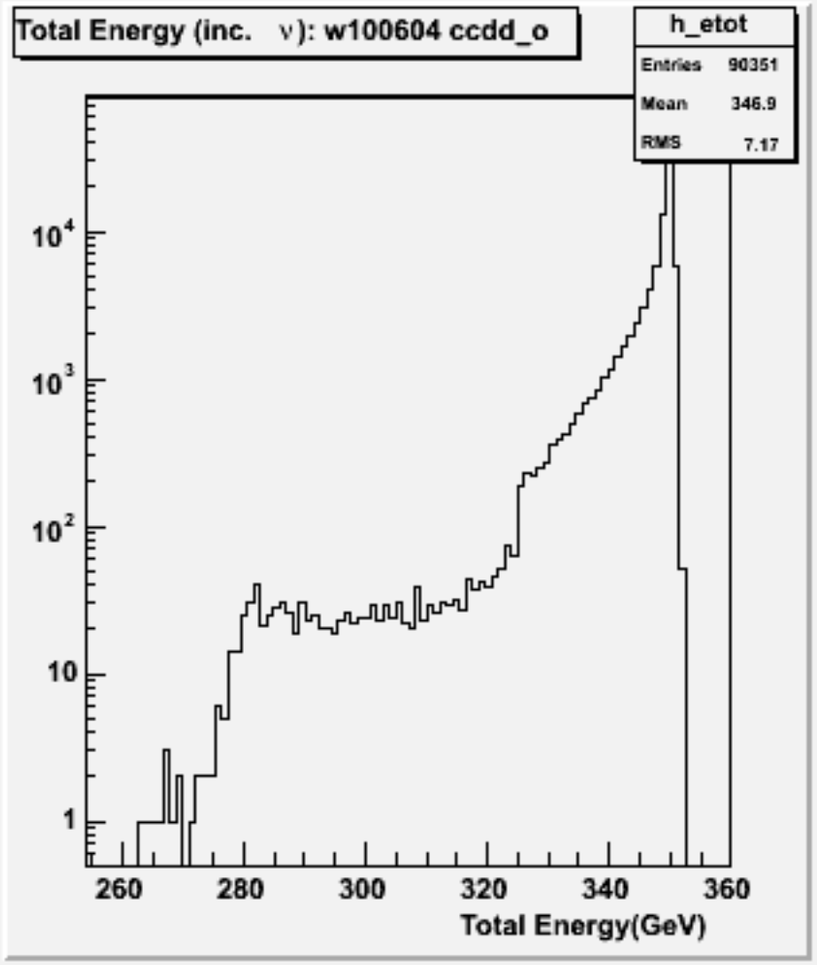

Total Energy (inc. ν): w100604 ccdd_o
h_etotc
Entries 82160
Mean 348.7
RMS 2.304
Total Energy(GeV)

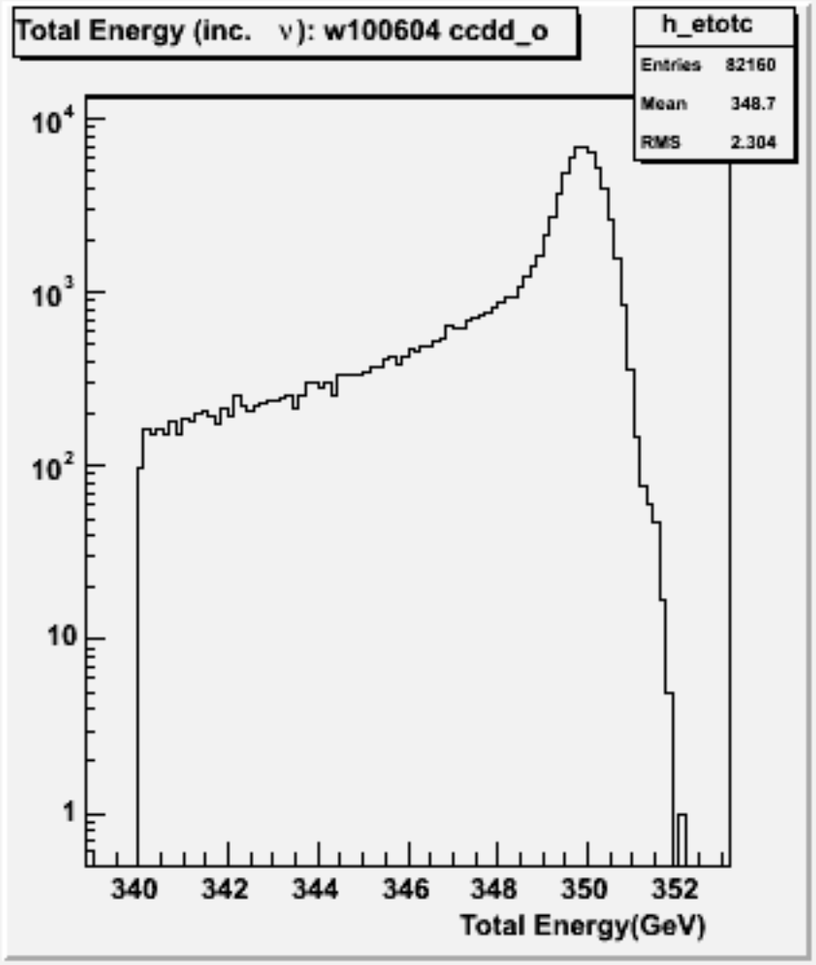

Total Energy (w/o ν): w100604 ccdd_o
h_evis
Entries 90351
Mean 343.1
RMS 11.14
Energy(GeV)

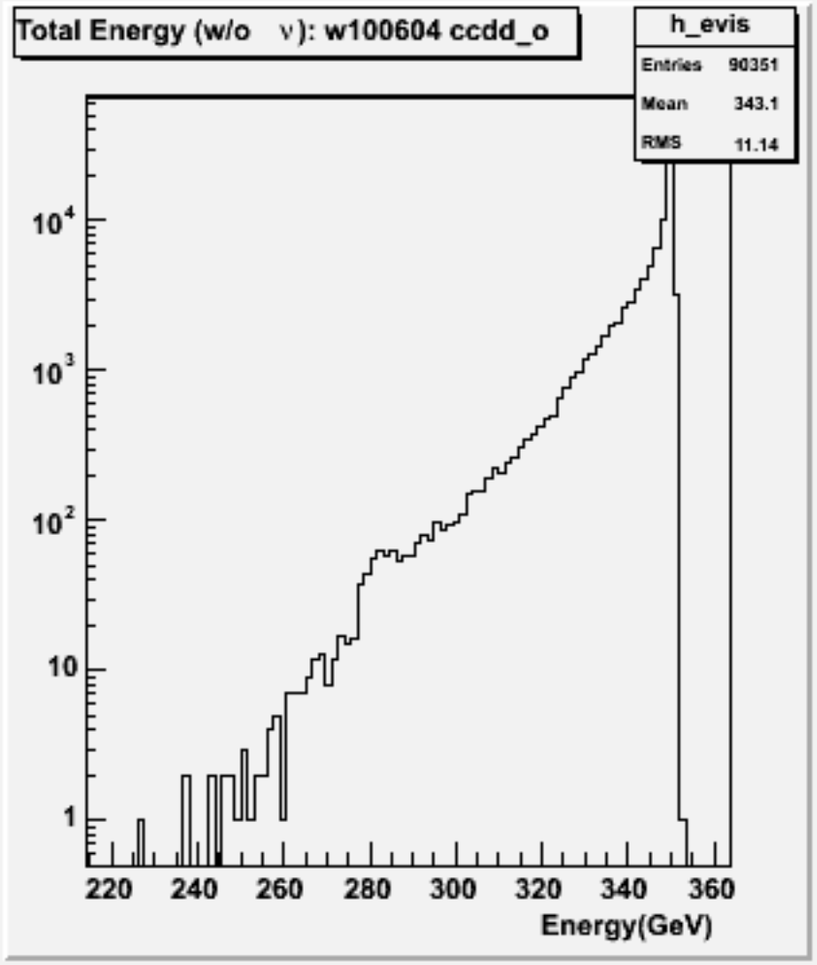

Pt Sum: w100604 ccdd_o
h_pt
Entries 90351
Mean 2.283
RMS 5.525
Pt(sum) (GeV)

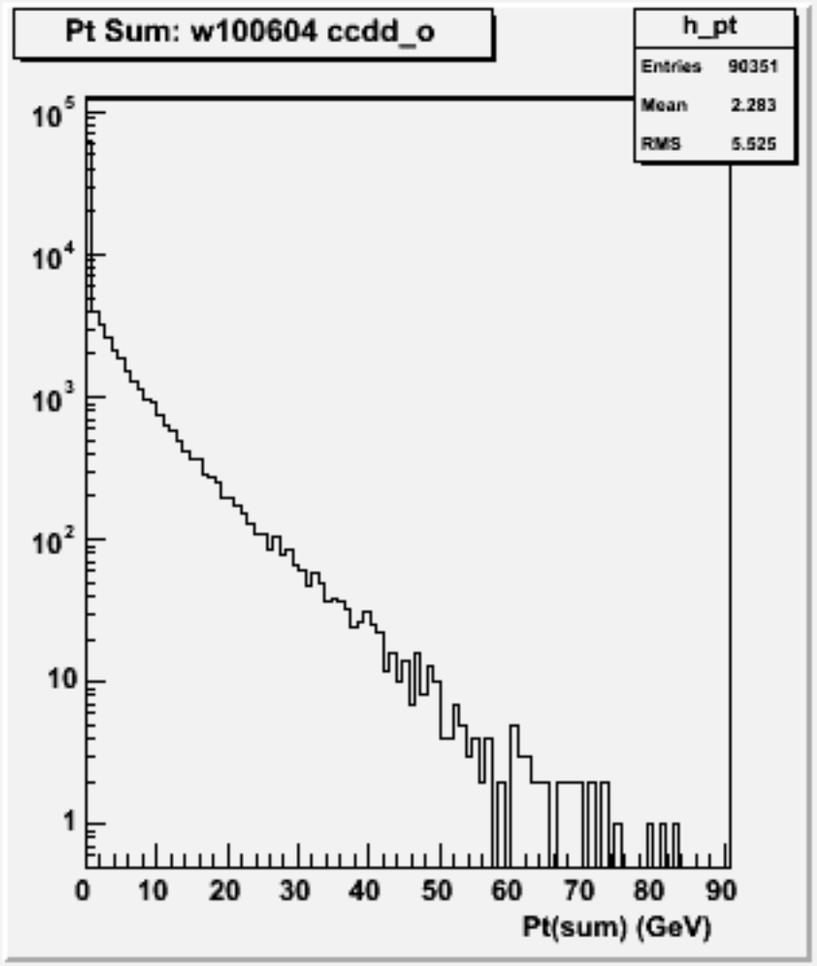

Pz Sum: w100604 ccdd_o
h_pz
Entries 90351
Mean -0.02943
RMS 9.857
Pz(sum) (GeV)

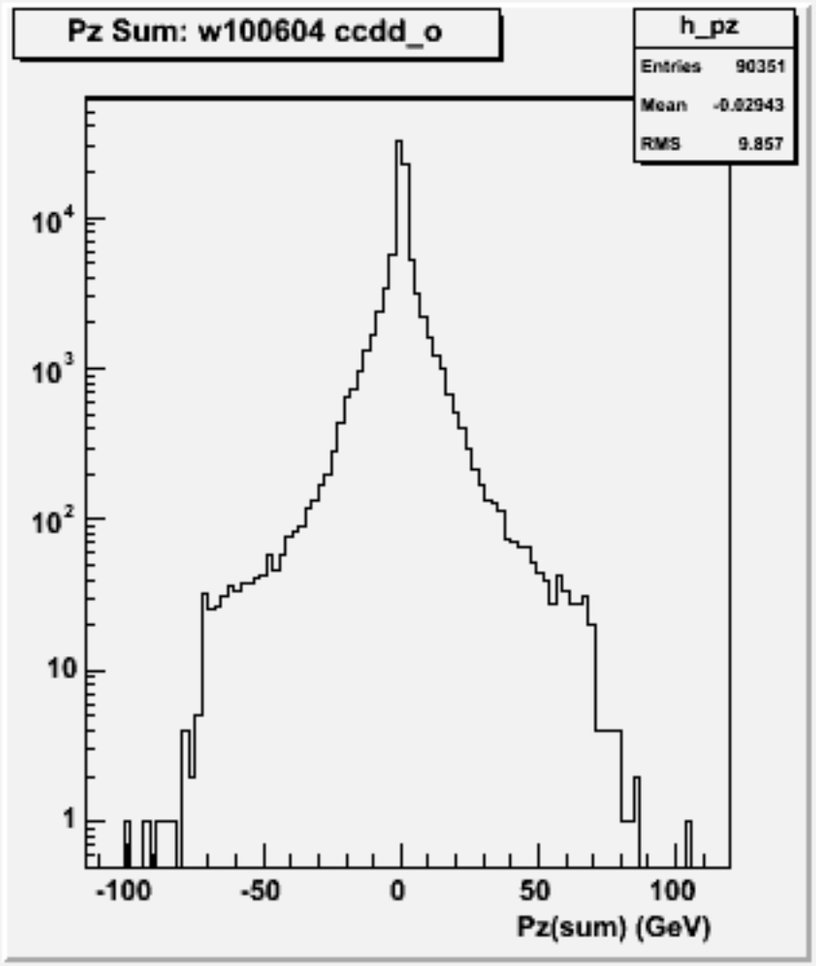

Thrust w100604 ccdd_o
h_thrust
Entries 90351
Mean 0.8472
RMS 0.06441
Thrust

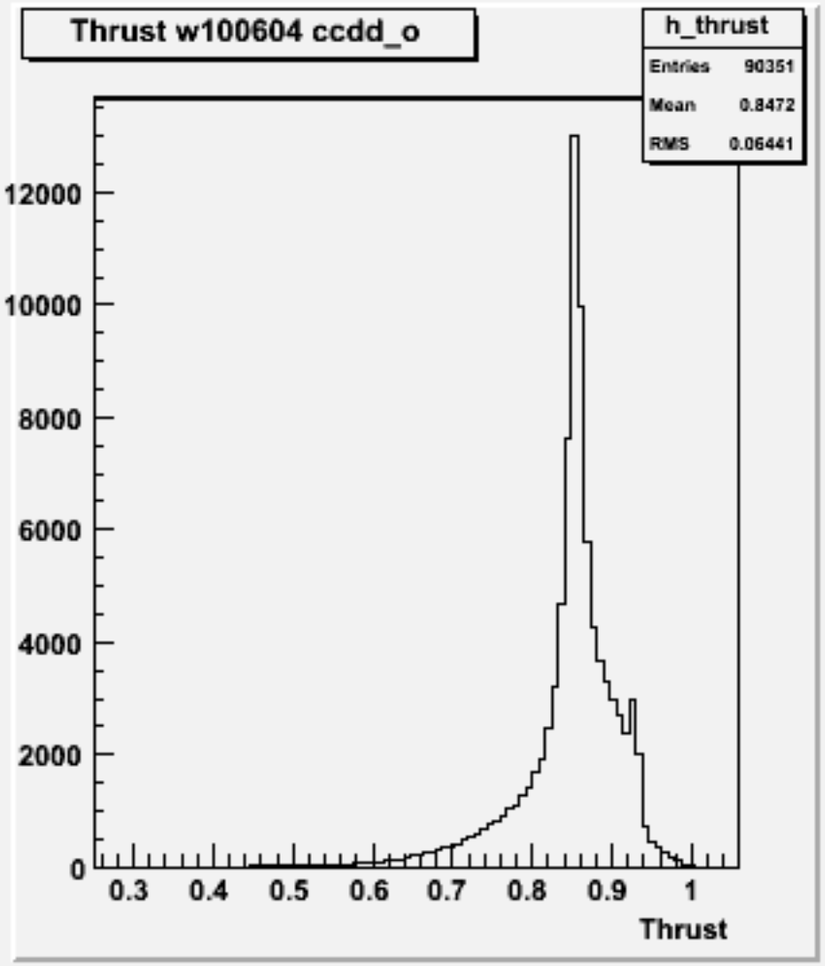

Total Energy (inc. ν): w100604 ccdd_o
h_etot
Entries 90351
Mean 346.9
RMS 7.17
Total Energy(GeV)

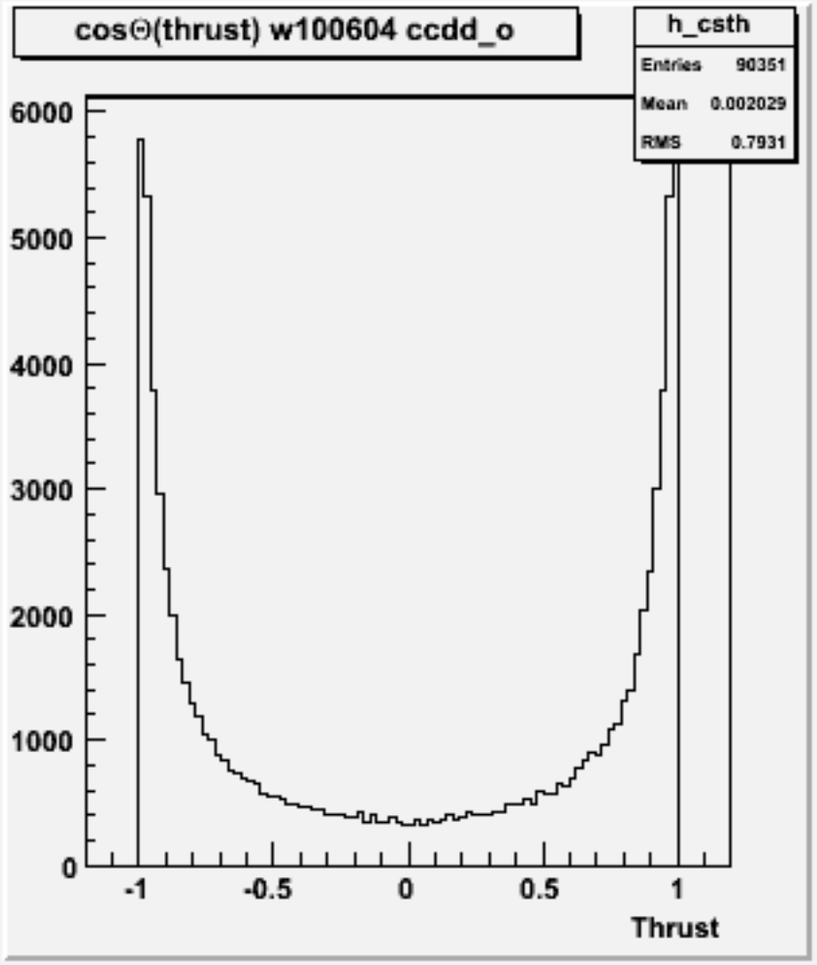

Total Energy (inc. ν): w100604 ccdd_o
h_etotc
Entries 82160
Mean 348.7
RMS 2.304
Total Energy(GeV)

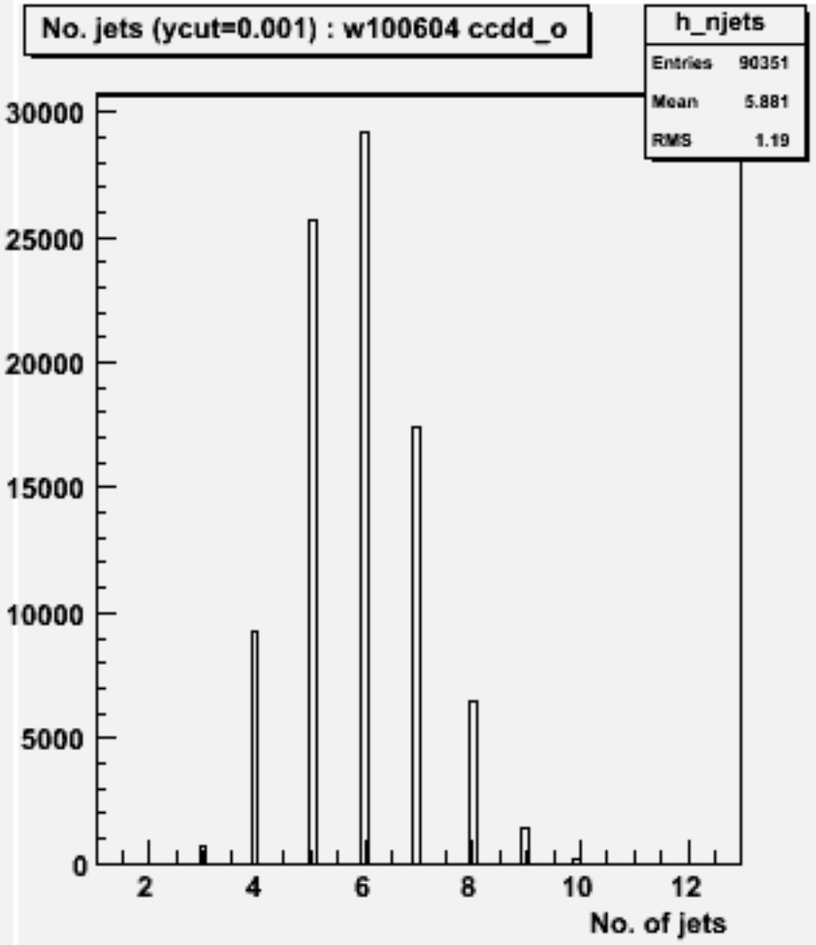

Total Energy (w/o ν): w100604 ccdd_o
h_evis
Entries 90351
Mean 343.1
RMS 11.14
Energy(GeV)

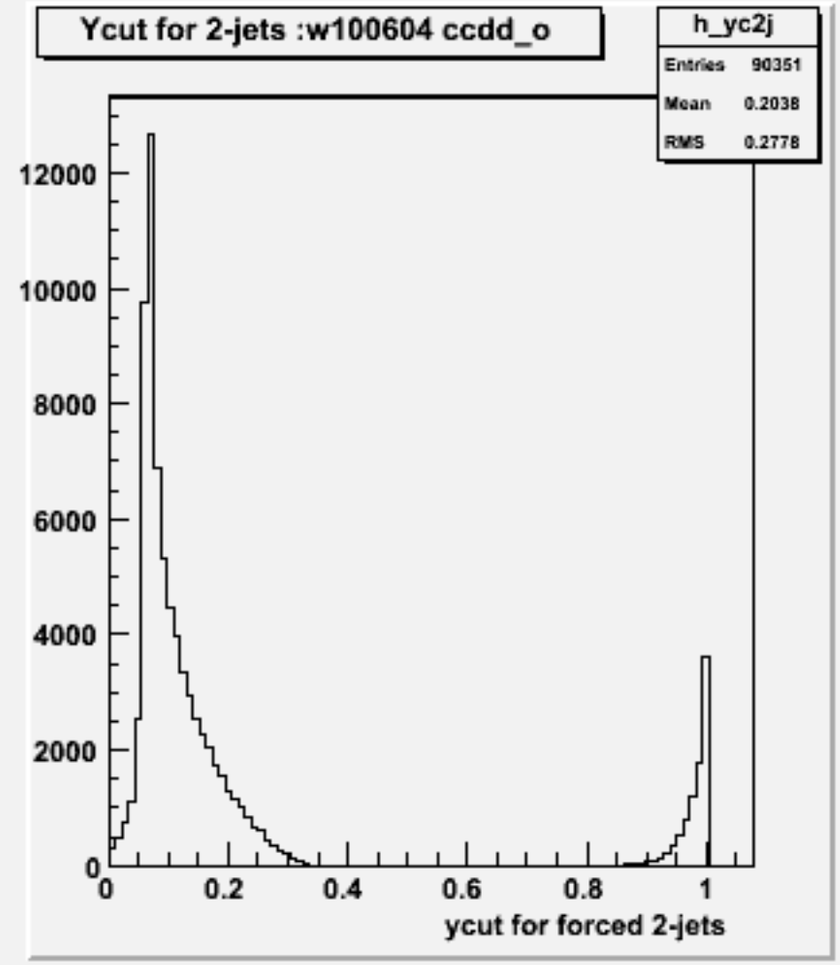

Pt Sum: w100604 ccdd_o
h_pt
Entries 90351
Mean 2.283
RMS 5.525
Pt(sum) (GeV)

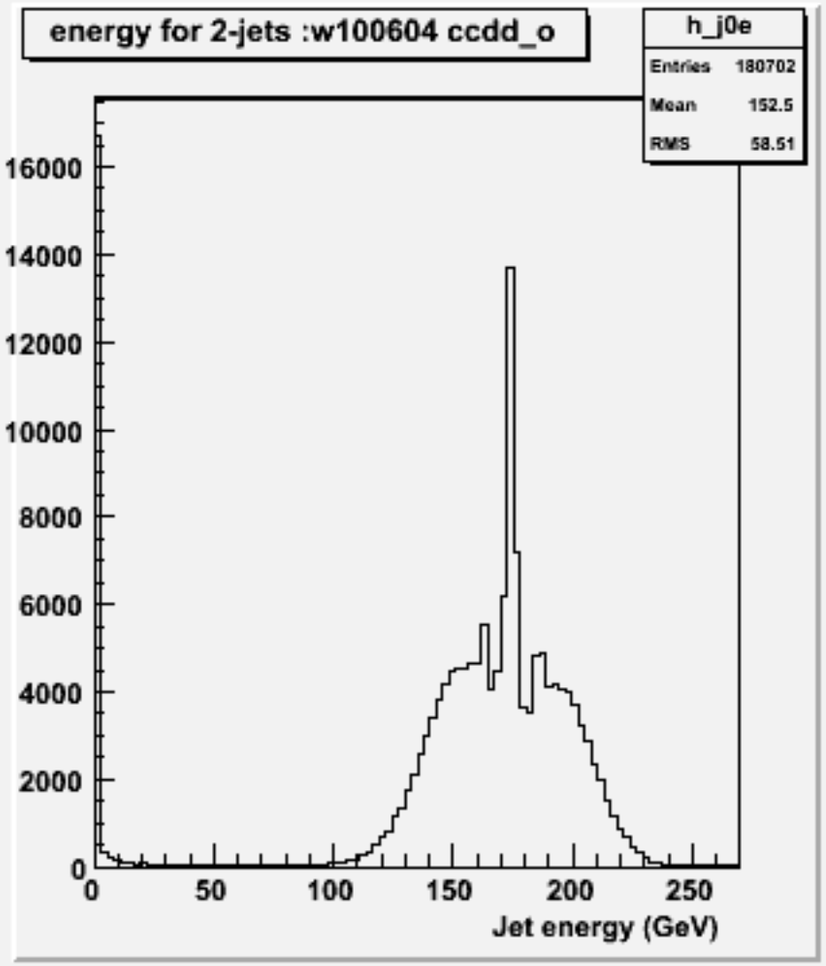

Pz Sum: w100604 ccdd_o
h_pz
Entries 90351
Mean -0.02943
RMS 9.857
Pz(sum) (GeV)

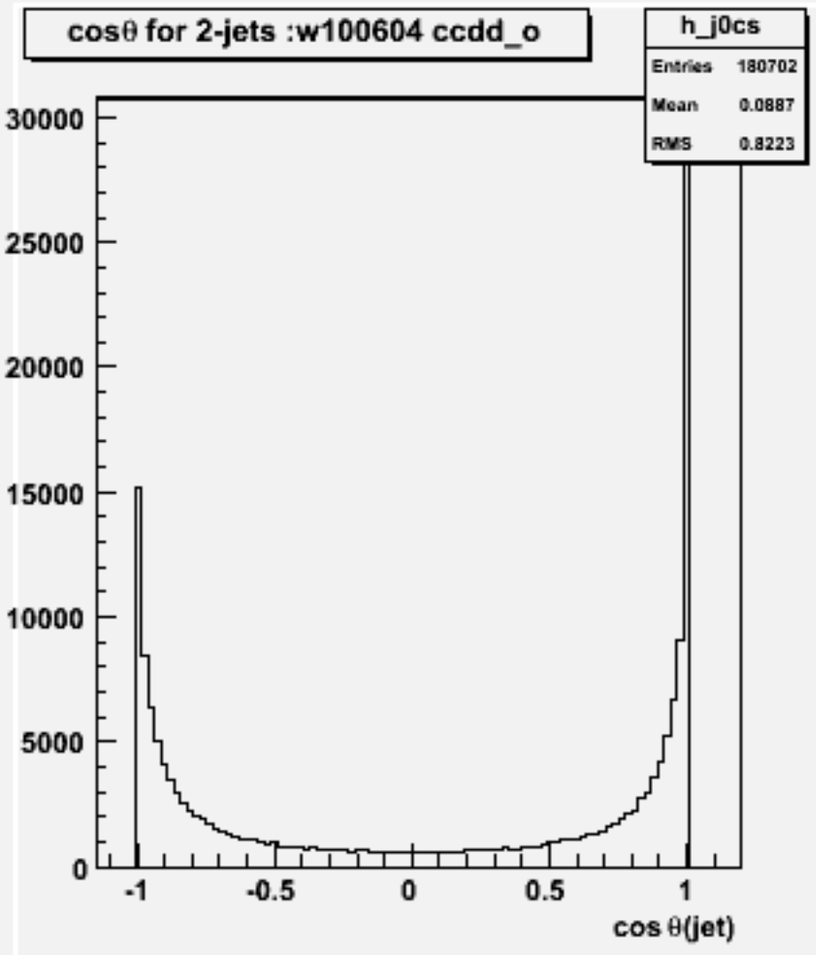

Thrust w100604 ccdd_o
h_thrust
Entries 90351
Mean 0.8472
RMS 0.06441
Thrust

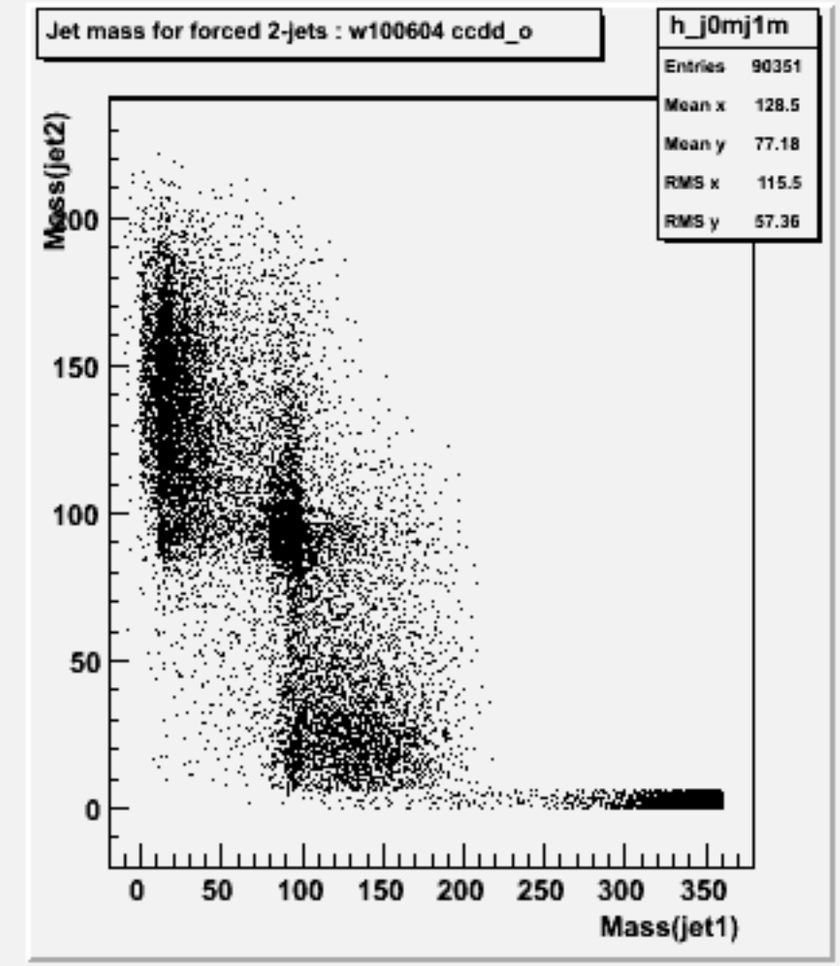

cosΘ(thrust) w100604 ccdd_o
h_csth
Entries 90351
Mean 0.002029
RMS 0.7931
Thrust

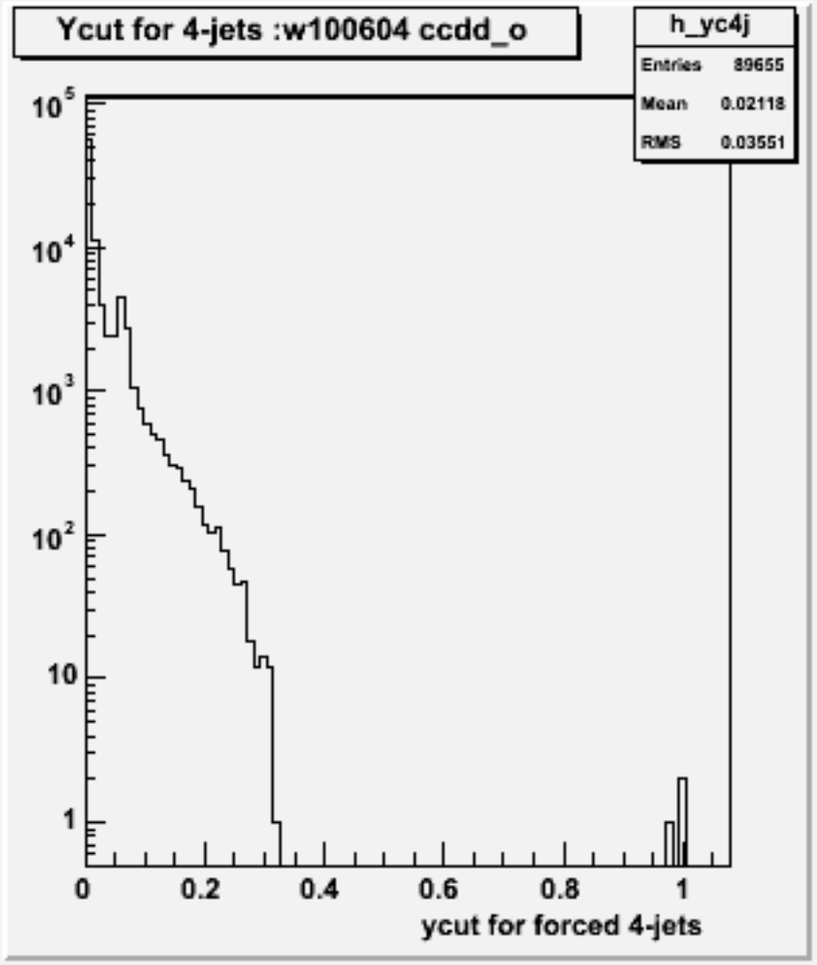

No. jets (ycut=0.001) : w100604 ccdd_o
h_njets
Entries 90351
Mean 5.881
RMS 1.19
No. of jets

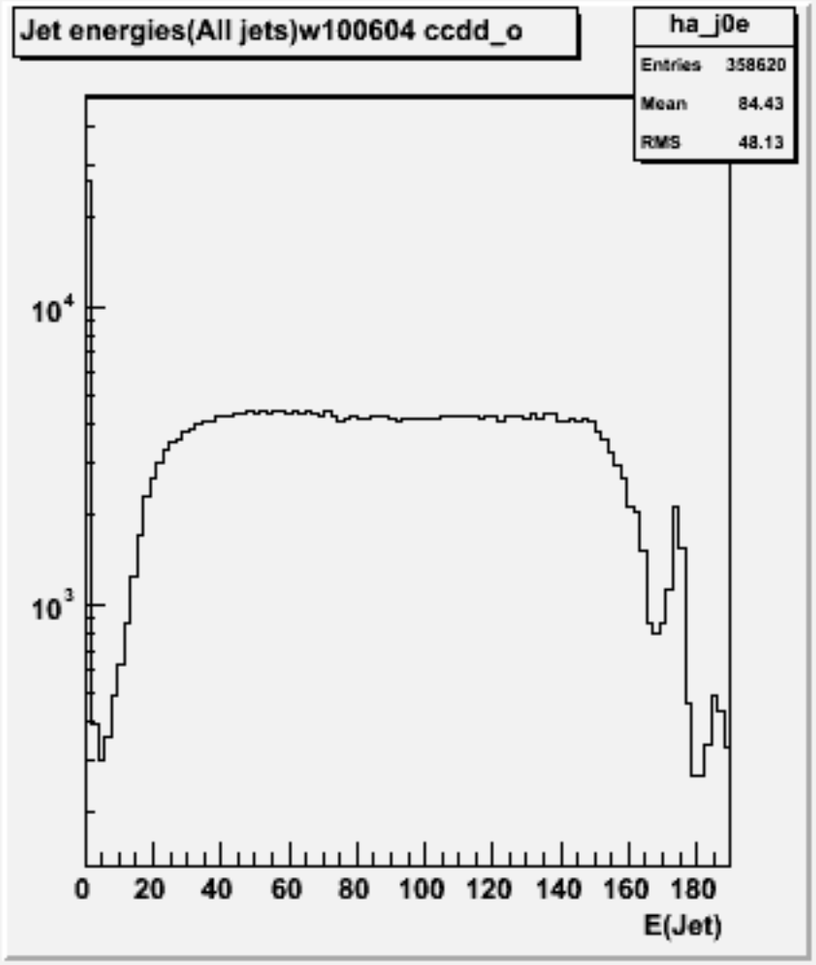

Ycut for 2-jets :w100604 ccdd_o
h_yc2j
Entries 90351
Mean 0.2038
RMS 0.2778
ycut for forced 2-jets

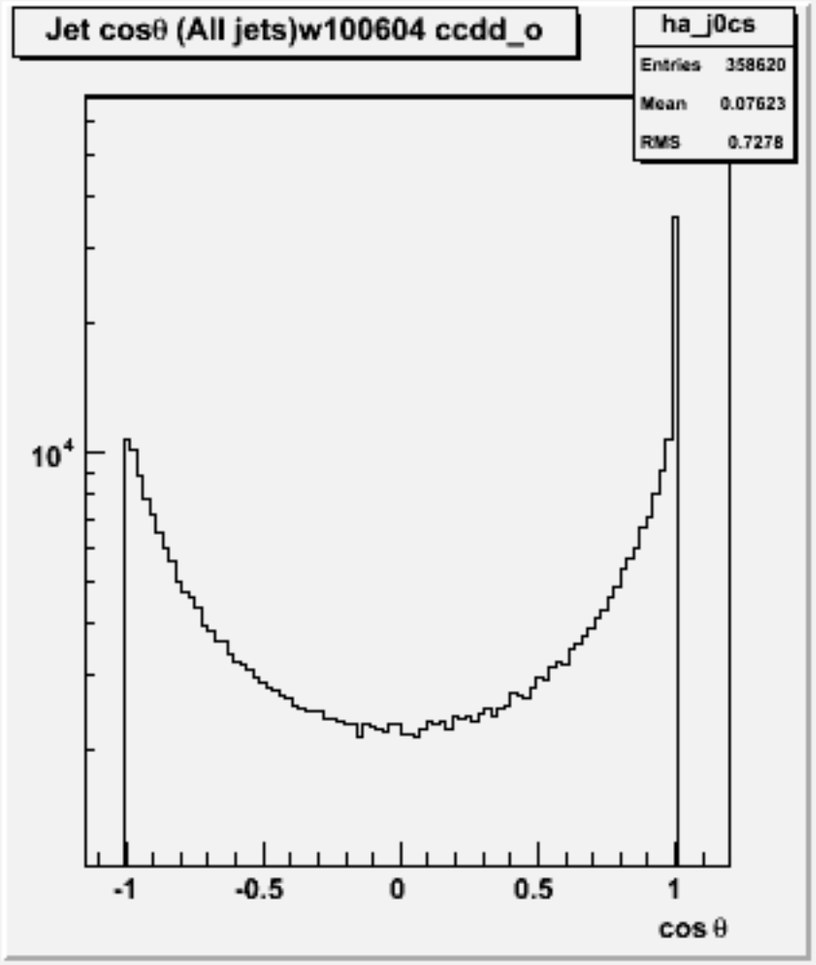

energy for 2-jets :w100604 ccdd_o
h_j0e
Entries 180702
Mean 152.5
RMS 58.51
Jet energy (GeV)

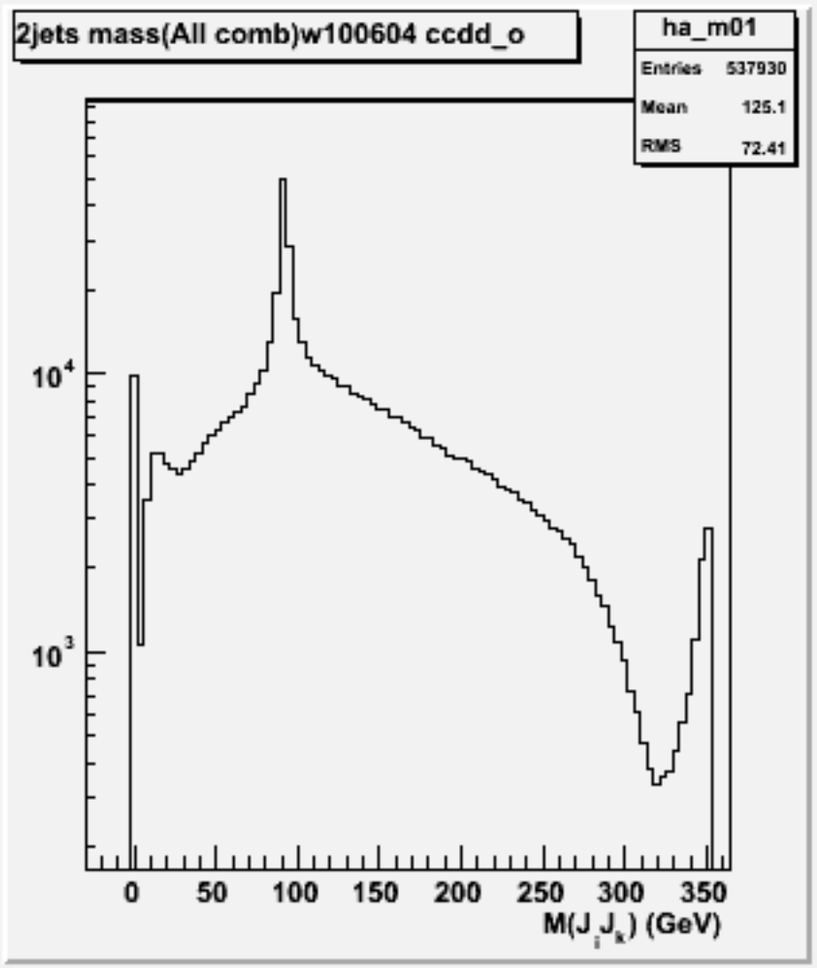

cosθ for 2-jets :w100604 ccdd_o
h_j0cs
Entries 180702
Mean 0.0887
RMS 0.8223
cos θ(jet)

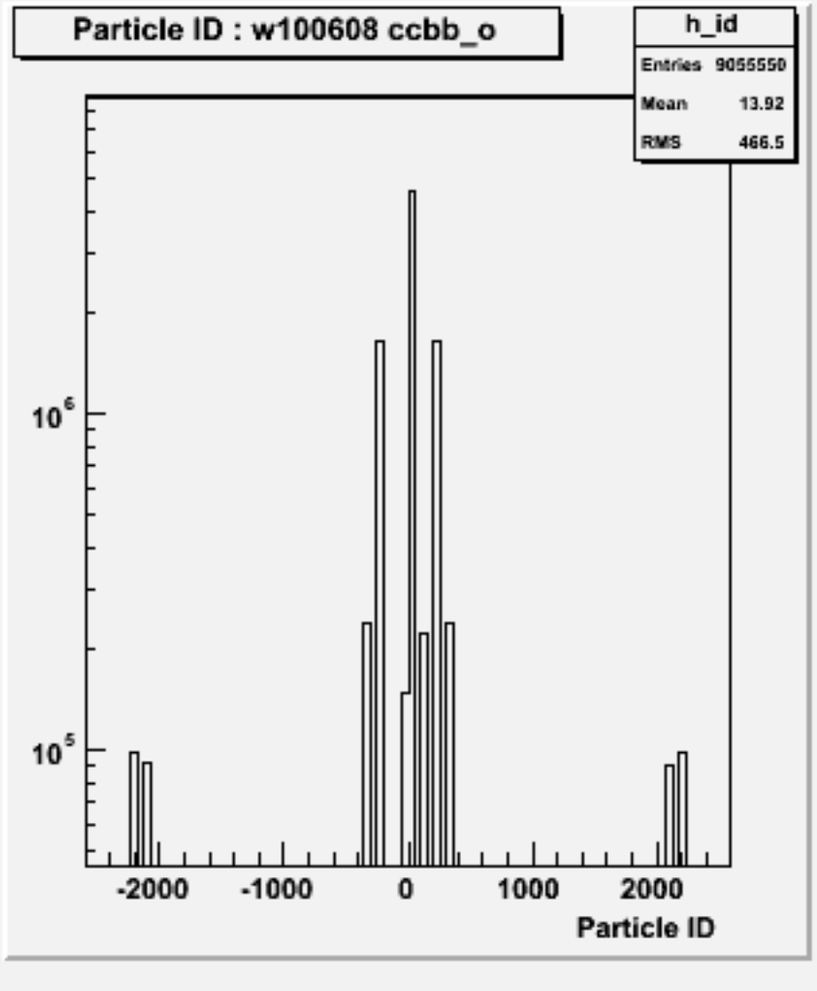

Jet mass for forced 2-jets : w100604 ccdd_o
h_j0mj1m
Entries 90351
Mean x 128.5
Mean y 77.18
RMS x 115.5
RMS y 57.36
Mass(jet2)
Mass(jet1)

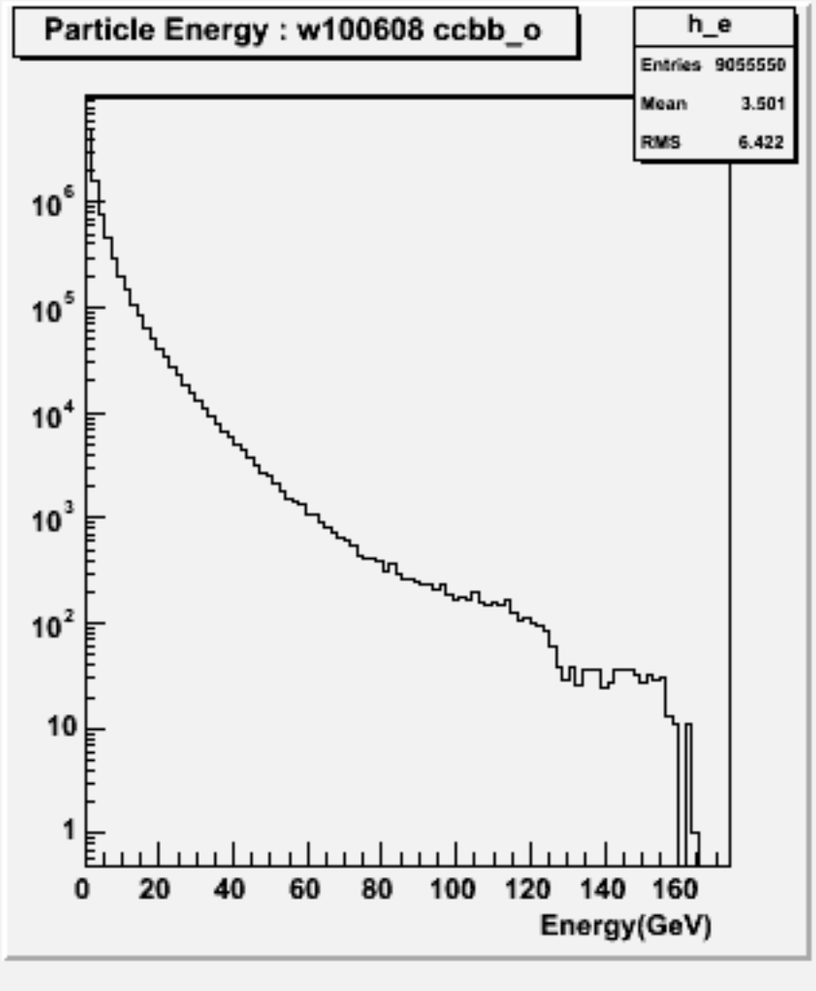

Ycut for 4-jets :w100604 ccdd_o
h_yc4j
Entries 89655
Mean 0.02118
RMS 0.03551
ycut for forced 4-jets

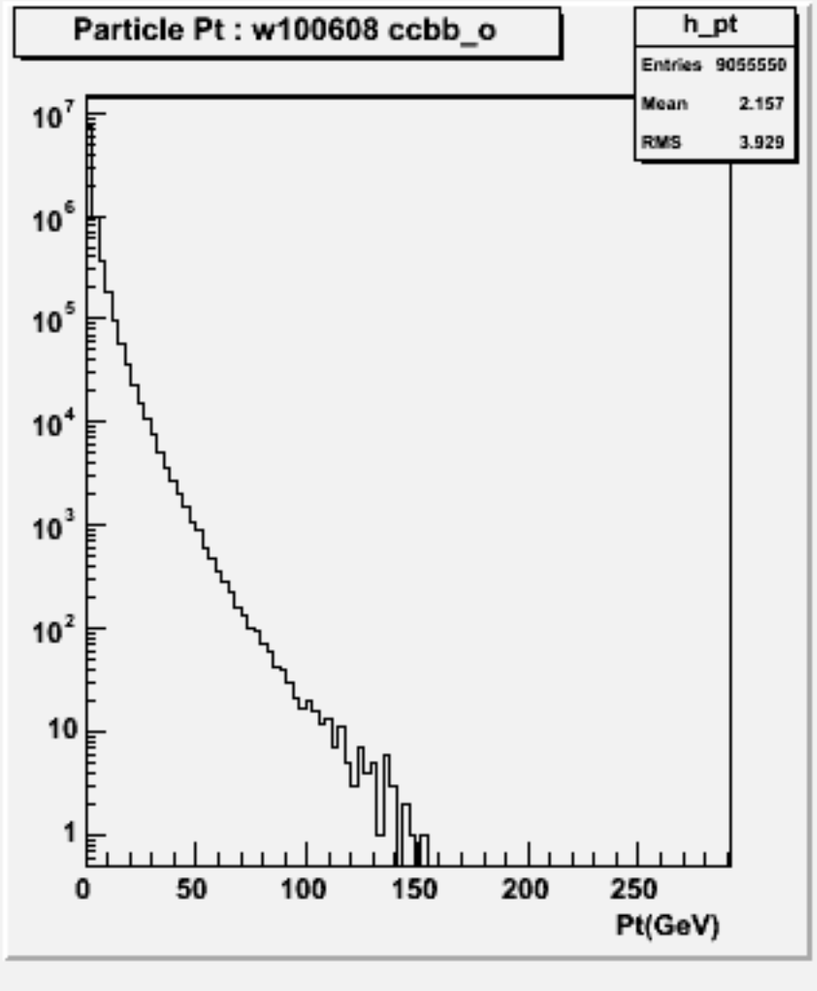

Jet energies(All jets)w100604 ccdd_o
ha_j0e
Entries 358620
Mean 84.43
RMS 48.13
E(Jet)

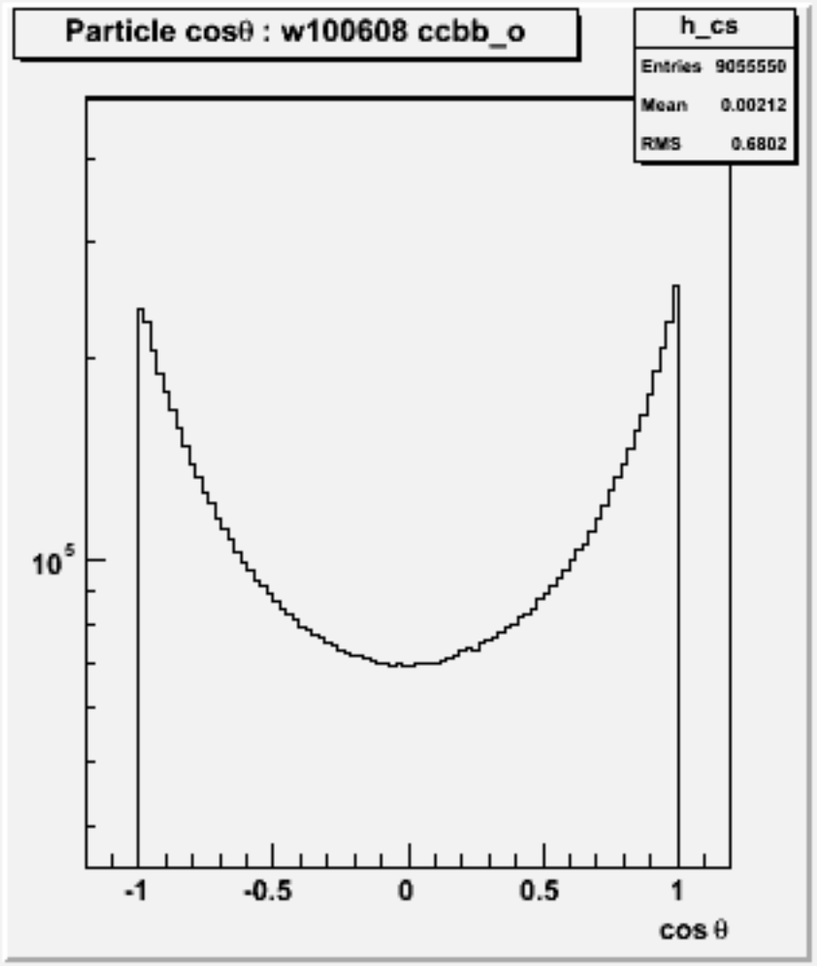

Jet cosθ (All jets)w100604 ccdd_o
ha_j0cs
Entries 358620
Mean 0.07623
RMS 0.7278
cos θ

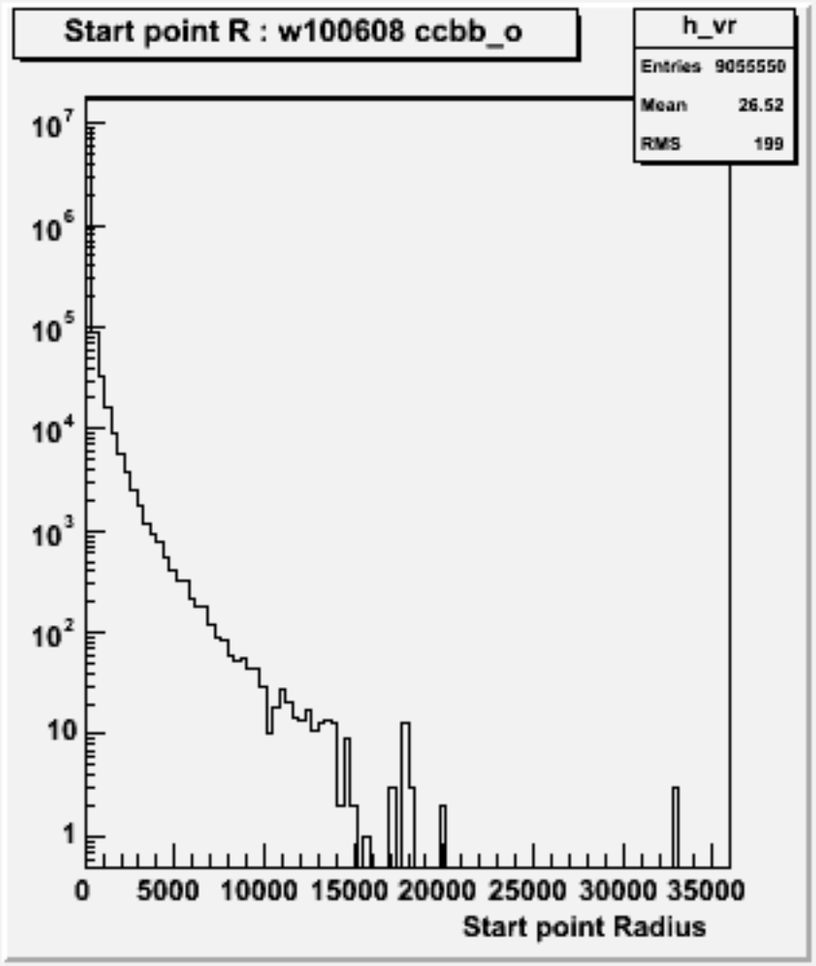

2jets mass(All comb)w100604 ccdd_o
ha_m01
Entries 537930
Mean 125.1
RMS 72.41
M(J_iJ_k) (GeV)

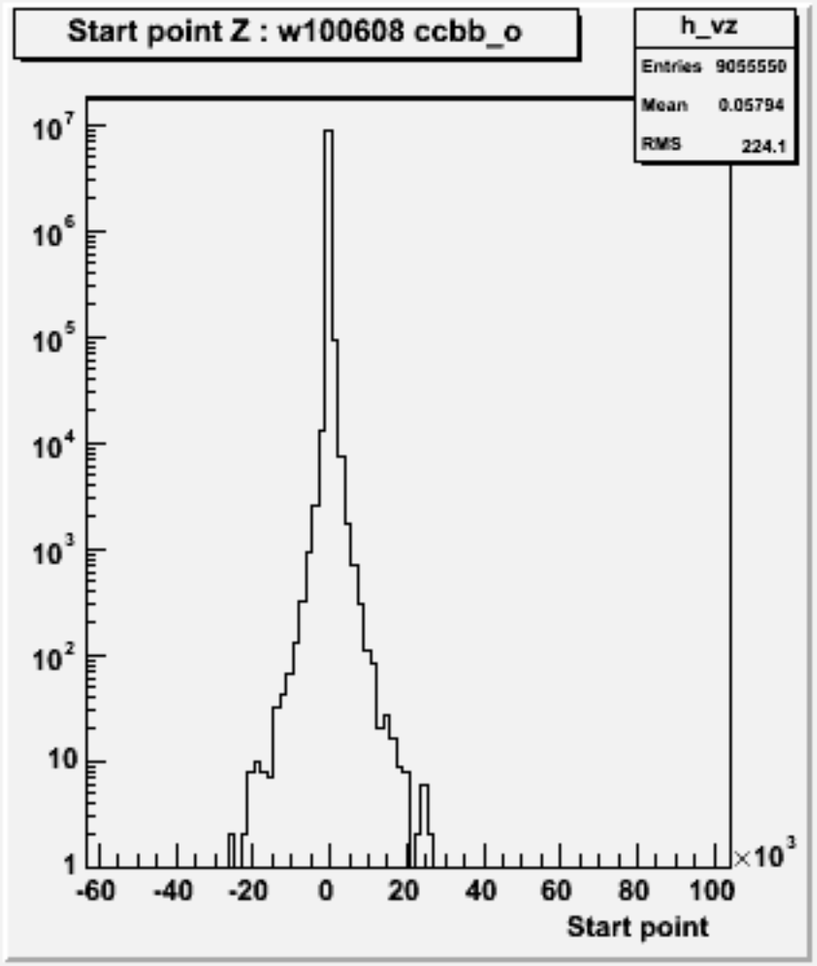

Particle ID : w100608 ccbb_o
h_id
Entries 9055550
Mean 13.92
RMS 466.5
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

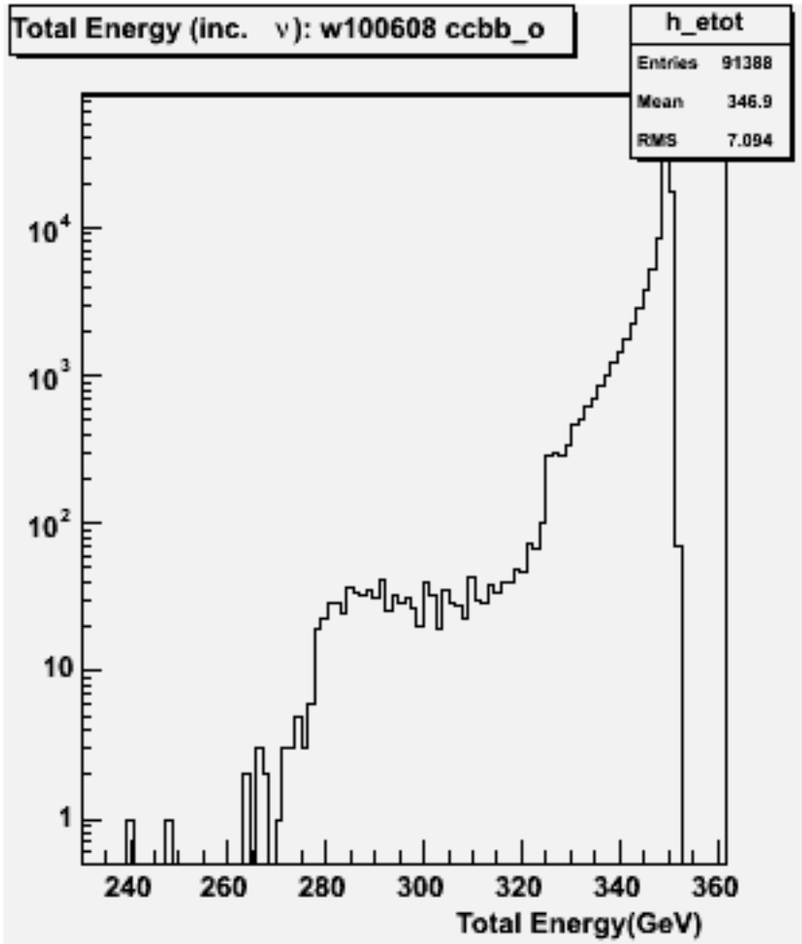

Particle Energy : w100608 ccbb_o
h_e
Entries 9055550
Mean 3.501
RMS 6.422
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

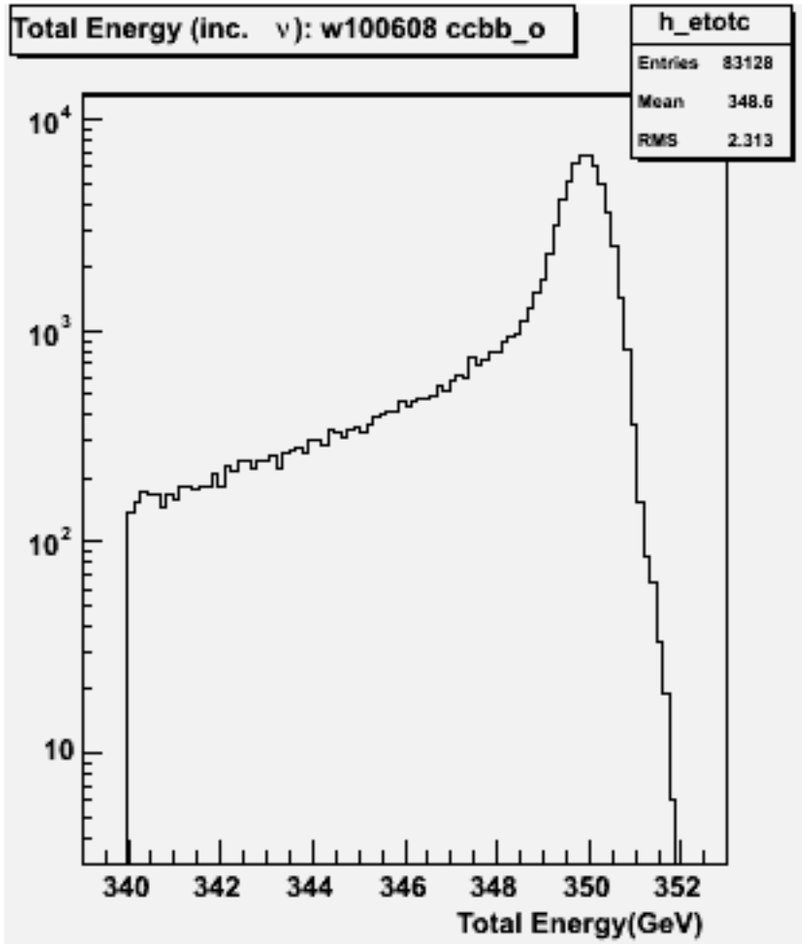

Particle Pt : w100608 ccbb_o
h_pt
Entries 9055550
Mean 2.157
RMS 3.929
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Pt(GeV)

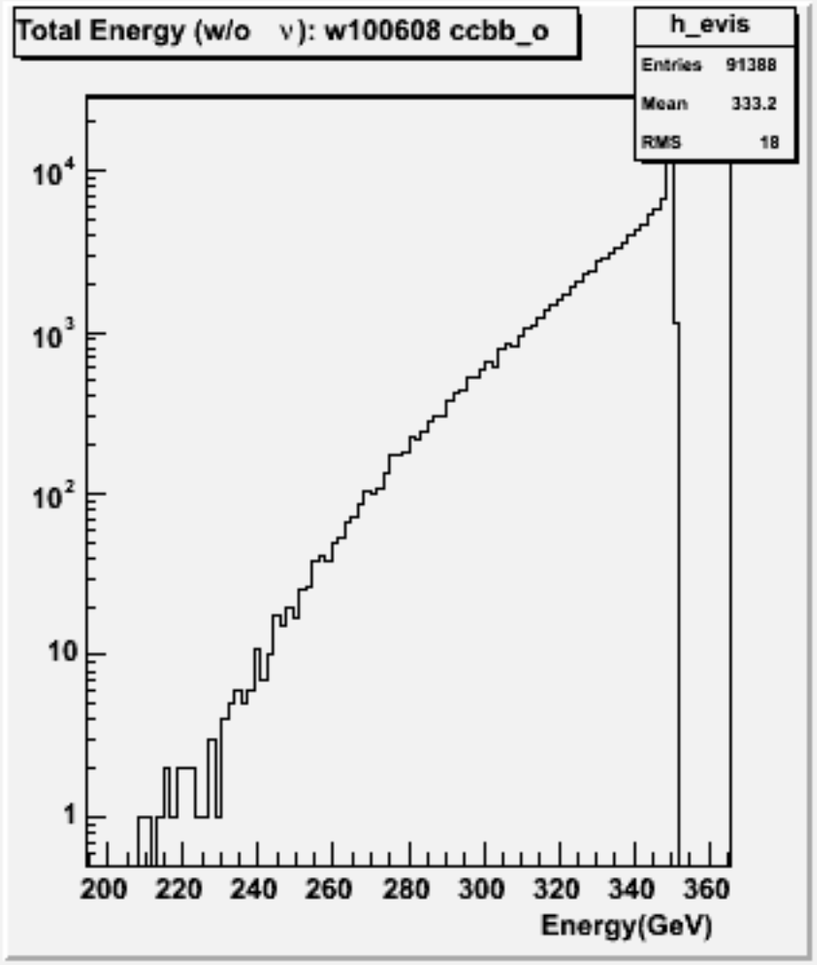

Particle cosθ : w100608 ccbb_o
h_cs
Entries 9055550
Mean 0.00212
RMS 0.6802
10^5
-1
-0.5
0
0.5
1
cos θ

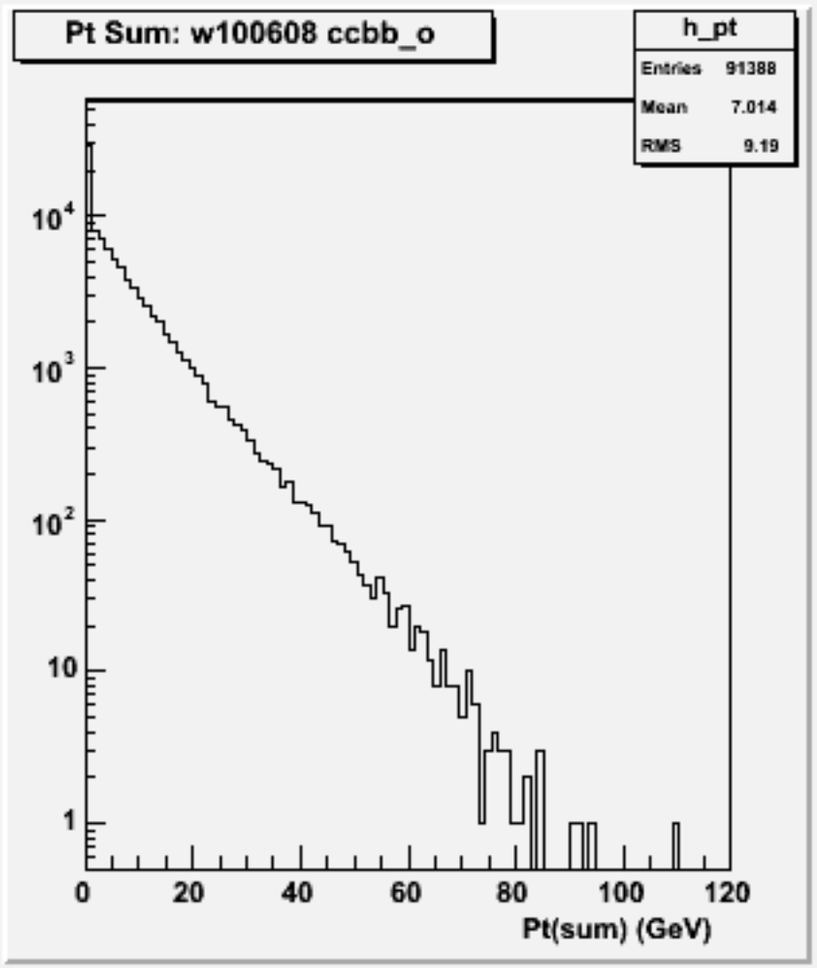

Start point R : w100608 ccbb_o
h_vr
Entries 9055550
Mean 26.52
RMS 199
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
Start point Radius

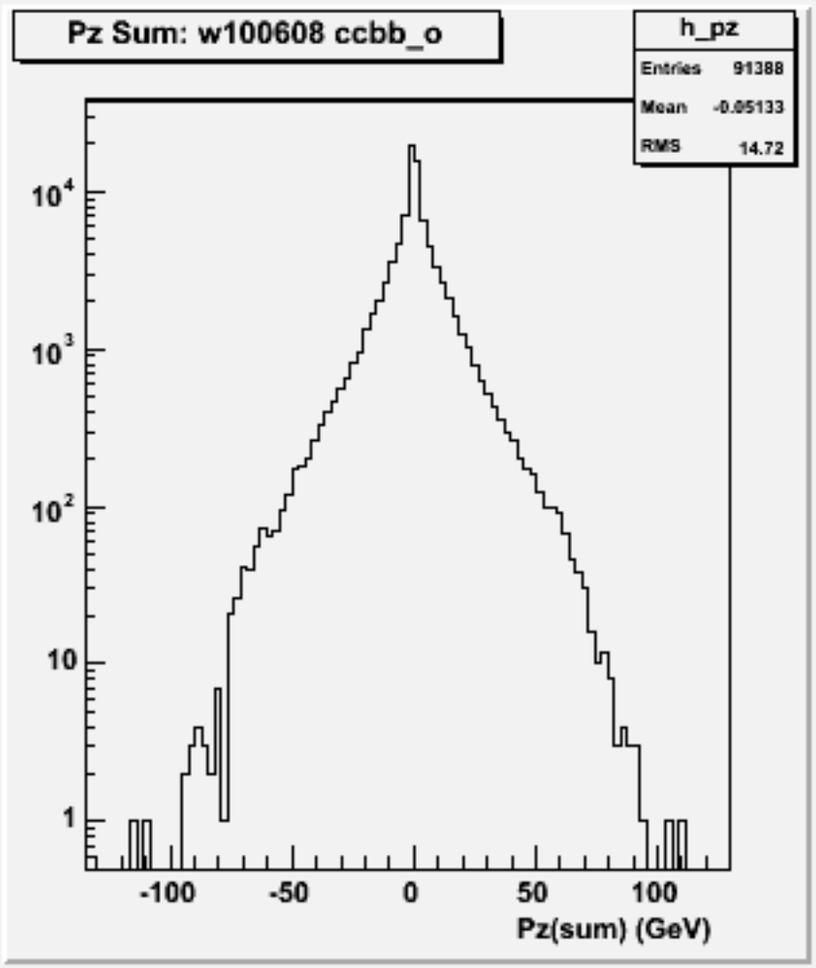

Start point Z : w100608 ccbb_o
h_vz
Entries 9055550
Mean 0.05794
RMS 224.1
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-60
-40
-20
0
20
40
60
80
100
$\times 10^3$
Start point

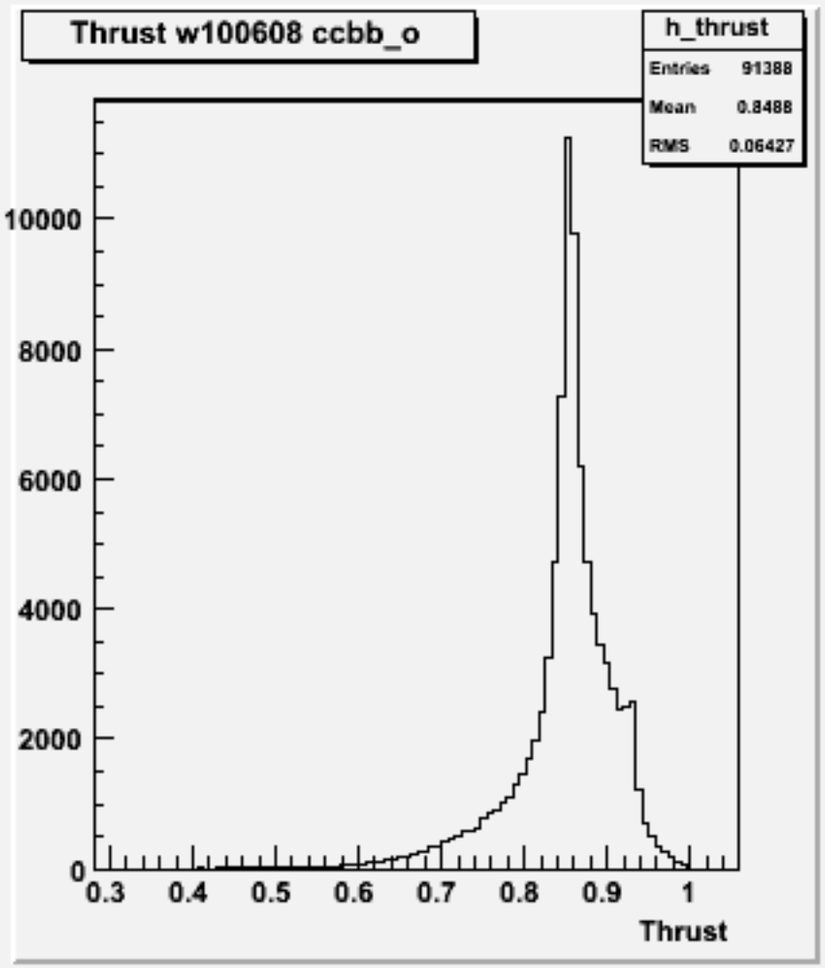

Total Energy (inc. ν): w100608 ccbb_o
h_etot
Entries 91388
Mean 346.9
RMS 7.094
Total Energy(GeV)

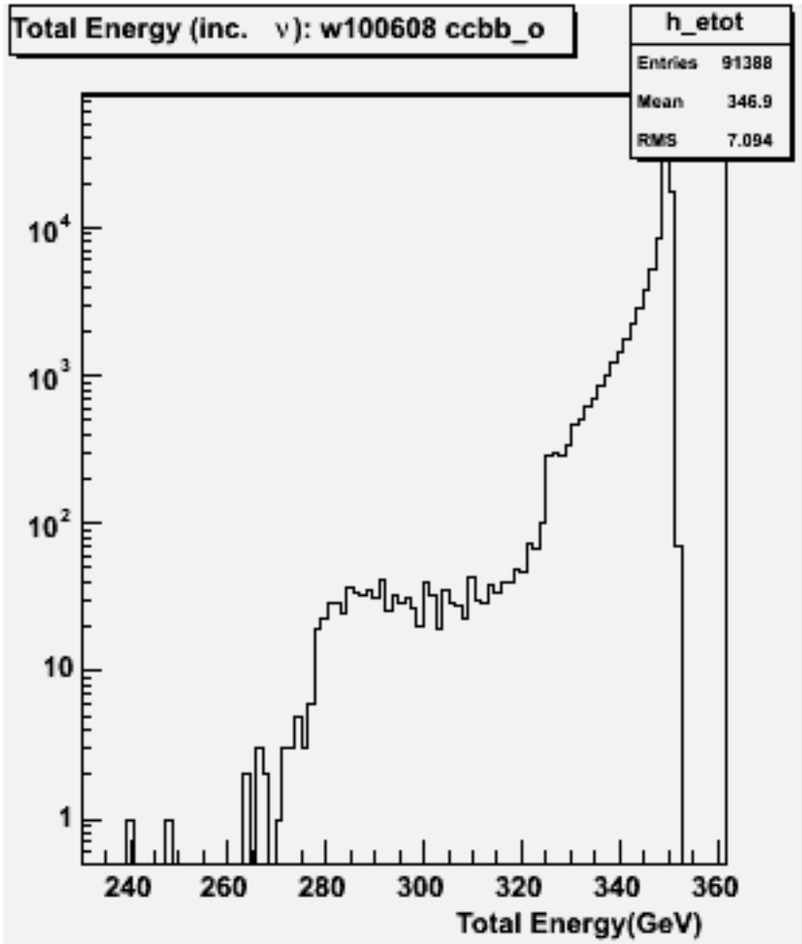

Total Energy (inc. ν): w100608 ccbb_o
h_etotc
Entries 83128
Mean 348.6
RMS 2.313
Total Energy(GeV)

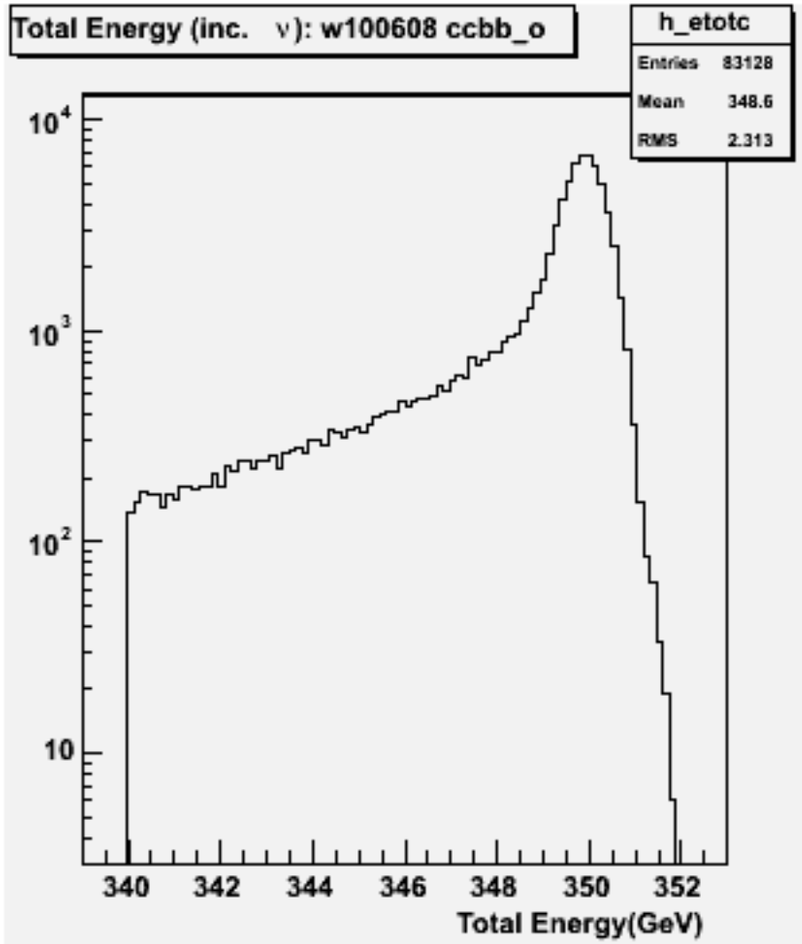

Total Energy (w/o ν): w100608 ccbb_o
h_evis
Entries 91388
Mean 333.2
RMS 18
Energy(GeV)

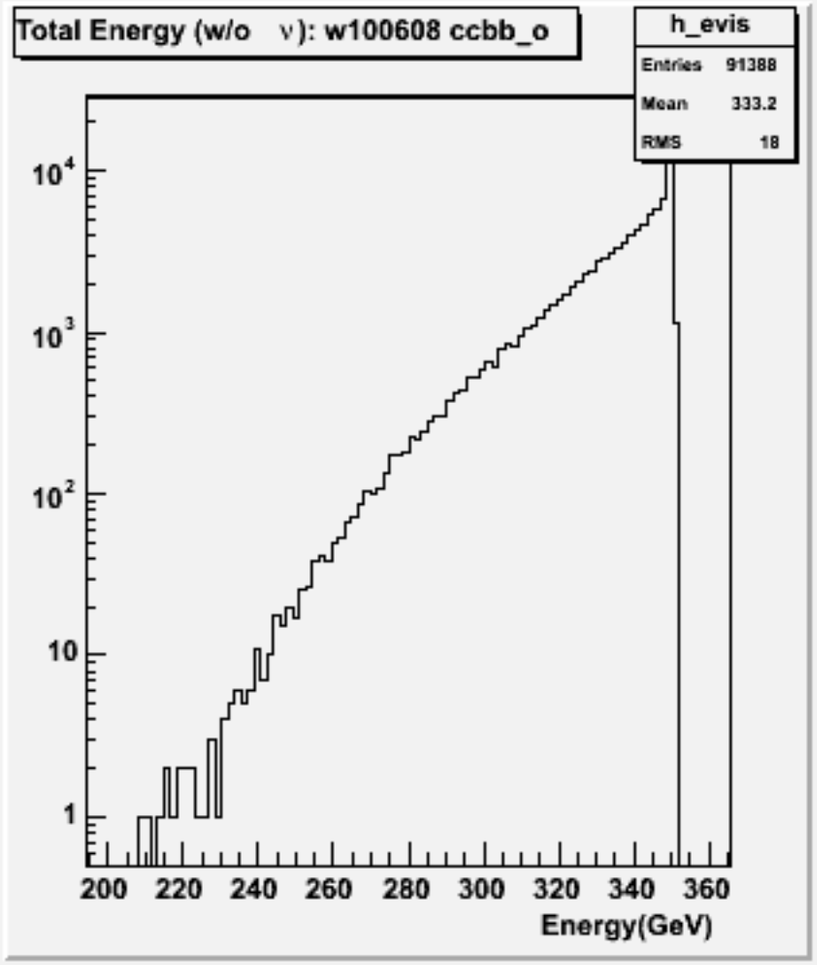

Pt Sum: w100608 ccbb_o
h_pt
Entries 91388
Mean 7.014
RMS 9.19
Pt(sum) (GeV)

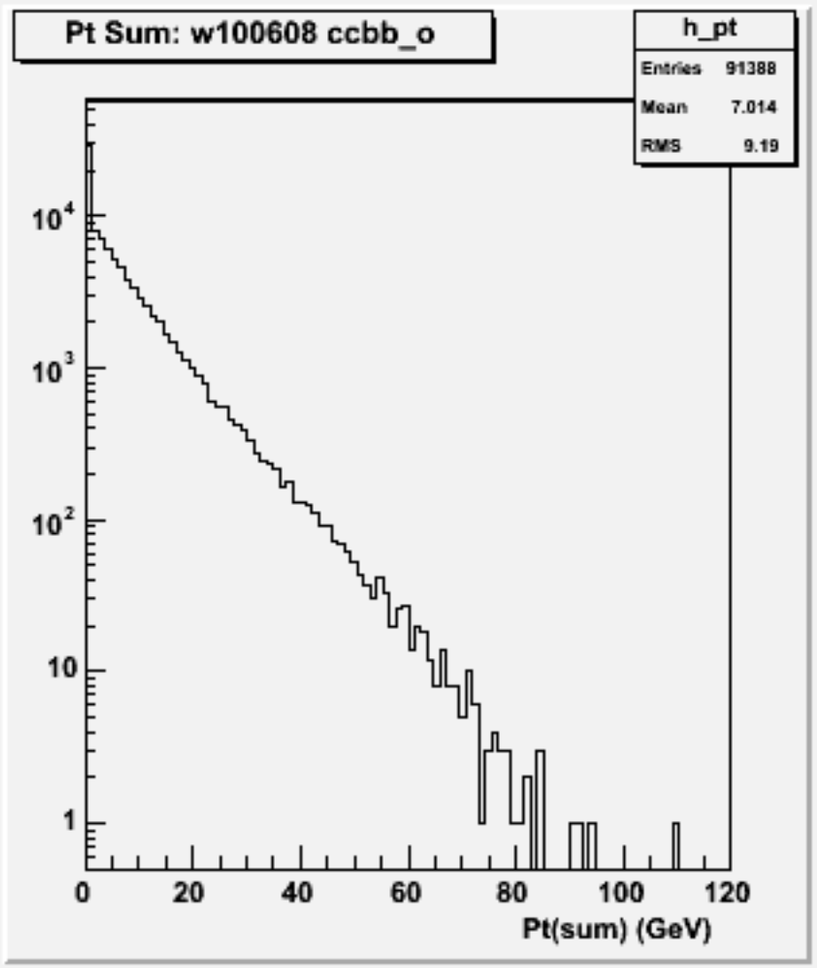

Pz Sum: w100608 ccbb_o
h_pz
Entries 91388
Mean -0.05133
RMS 14.72
Pz(sum) (GeV)

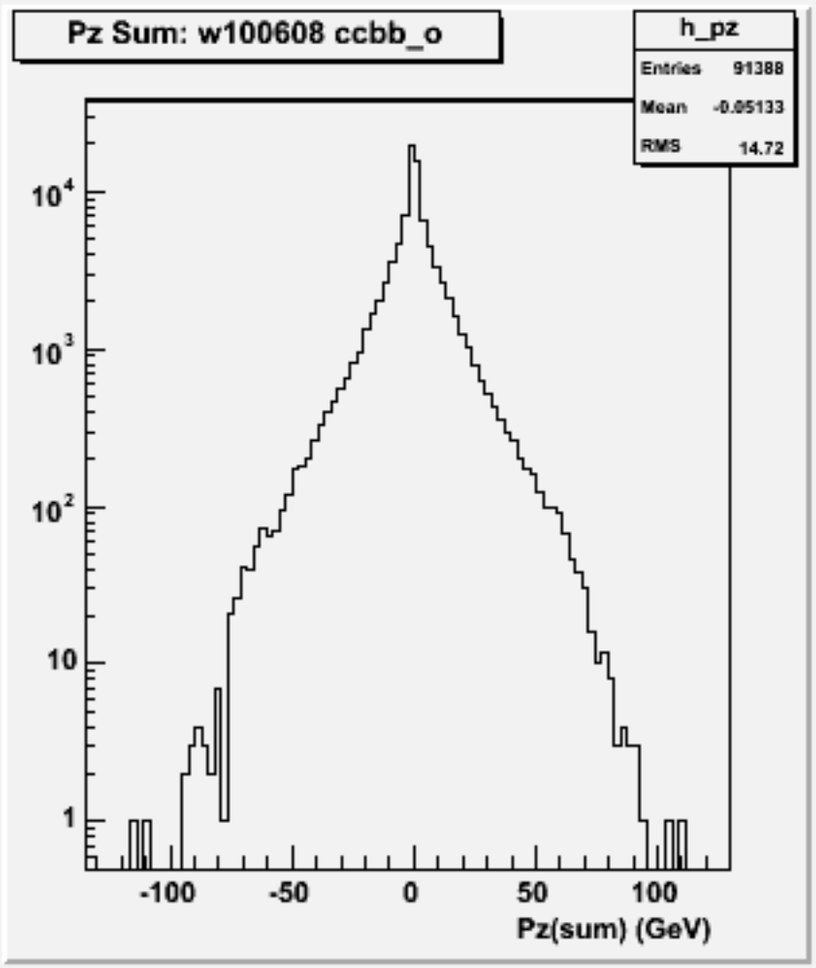

Thrust w100608 ccbb_o
h_thrust
Entries 91388
Mean 0.8488
RMS 0.06427
Thrust

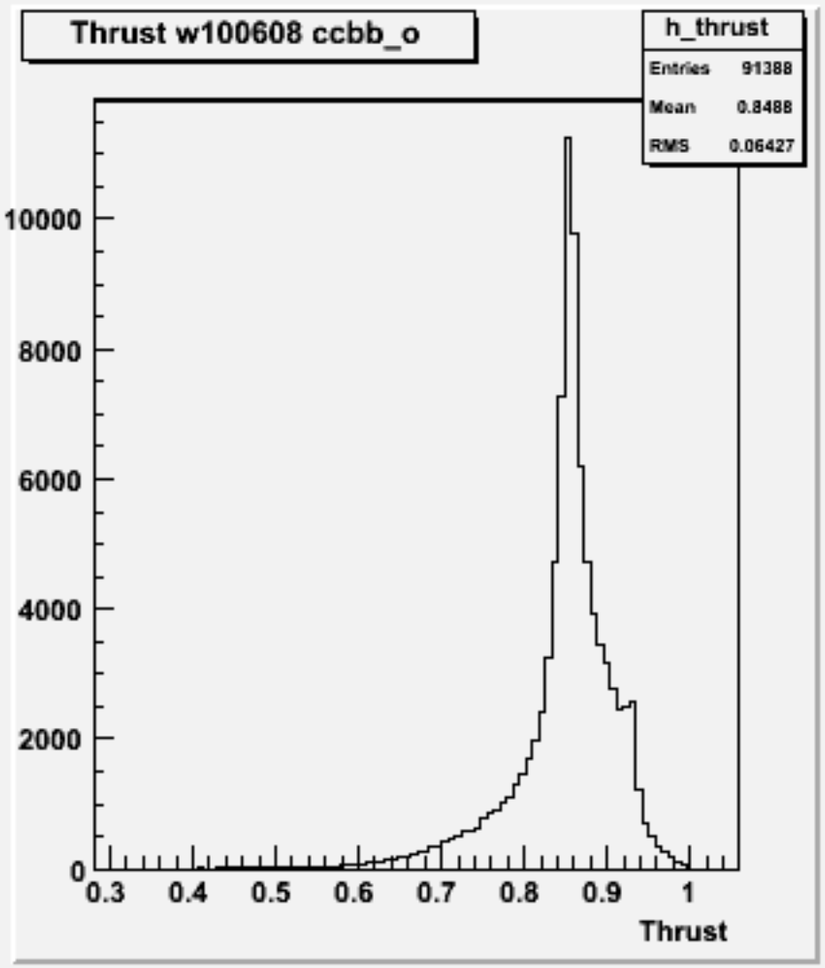

Total Energy (inc. ν): w100608 ccbb_o
h_etot
Entries 91388
Mean 346.9
RMS 7.094
Total Energy(GeV)

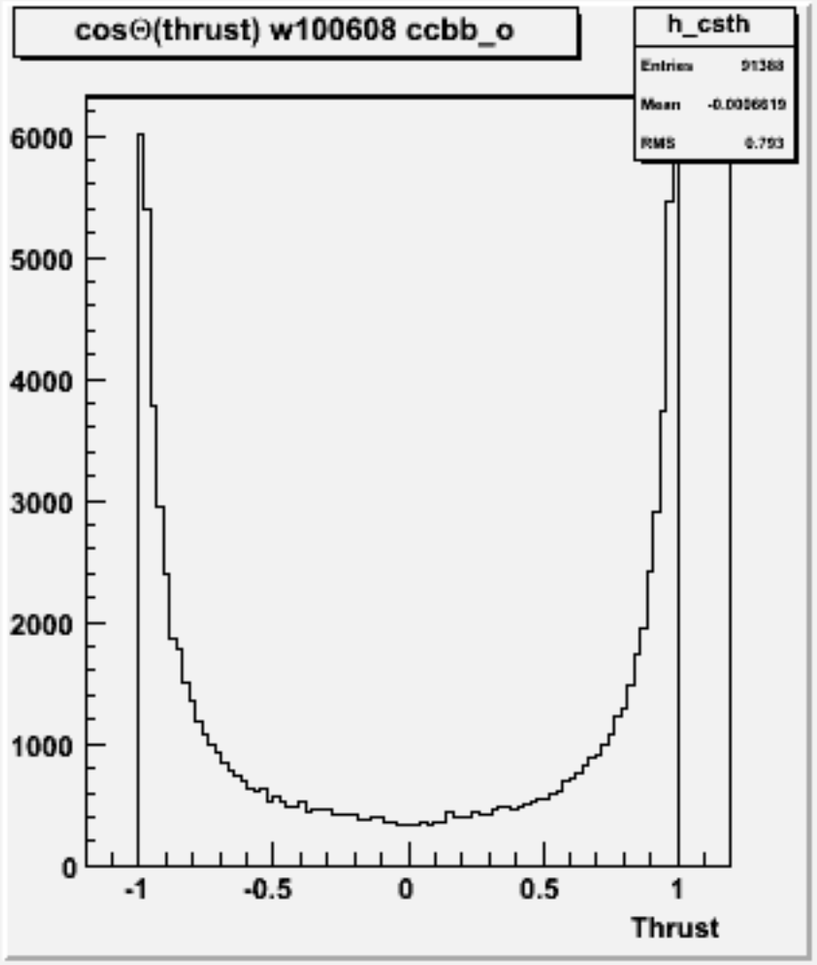

Total Energy (inc. ν): w100608 ccbb_o
h_etotc
Entries 83128
Mean 348.6
RMS 2.313
Total Energy(GeV)

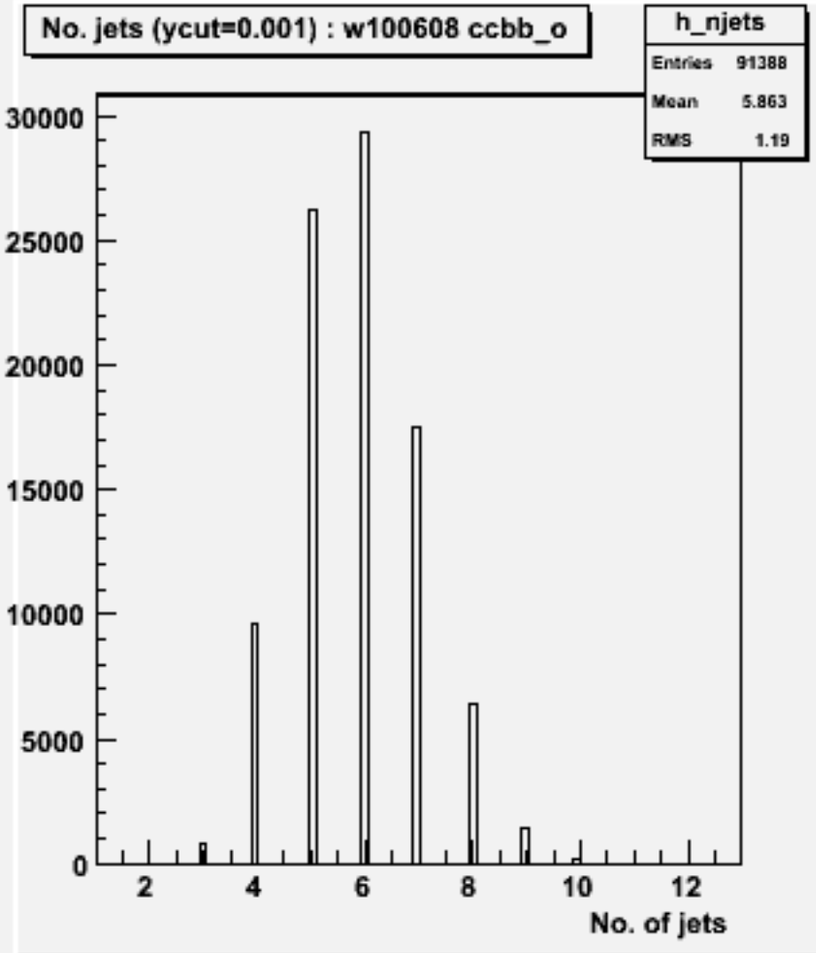

Total Energy (w/o ν): w100608 ccbb_o
h_evis
Entries 91388
Mean 333.2
RMS 18
Energy(GeV)

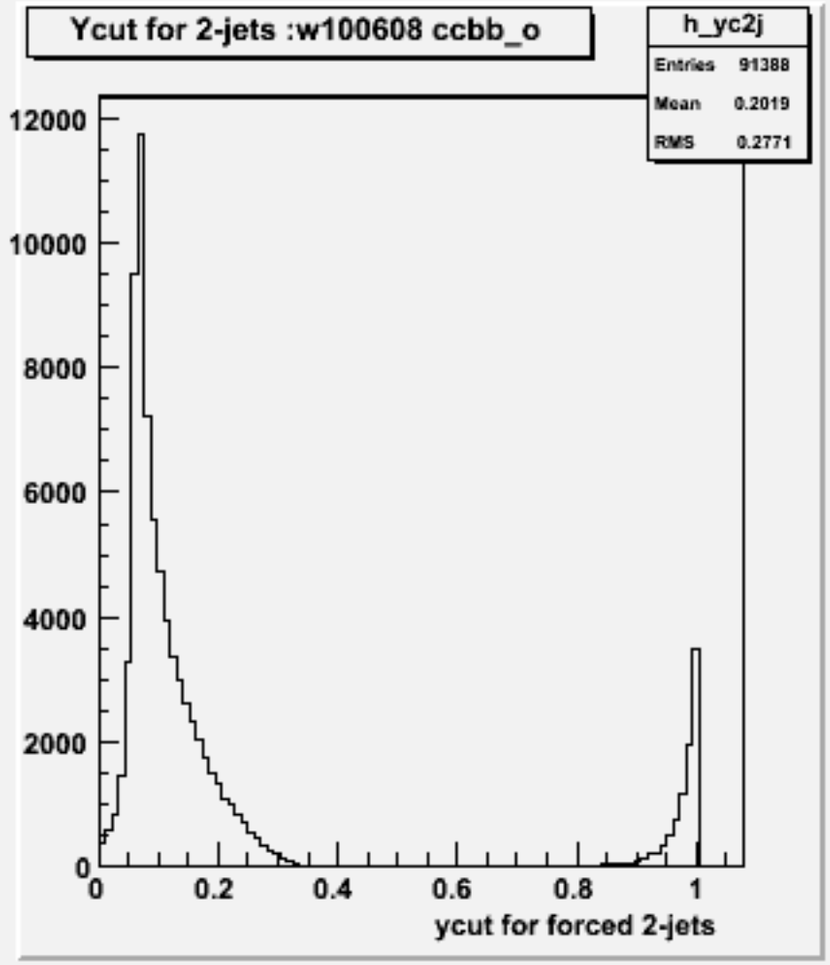

Pt Sum: w100608 ccbb_o
h_pt
Entries 91388
Mean 7.014
RMS 9.19
Pt(sum) (GeV)

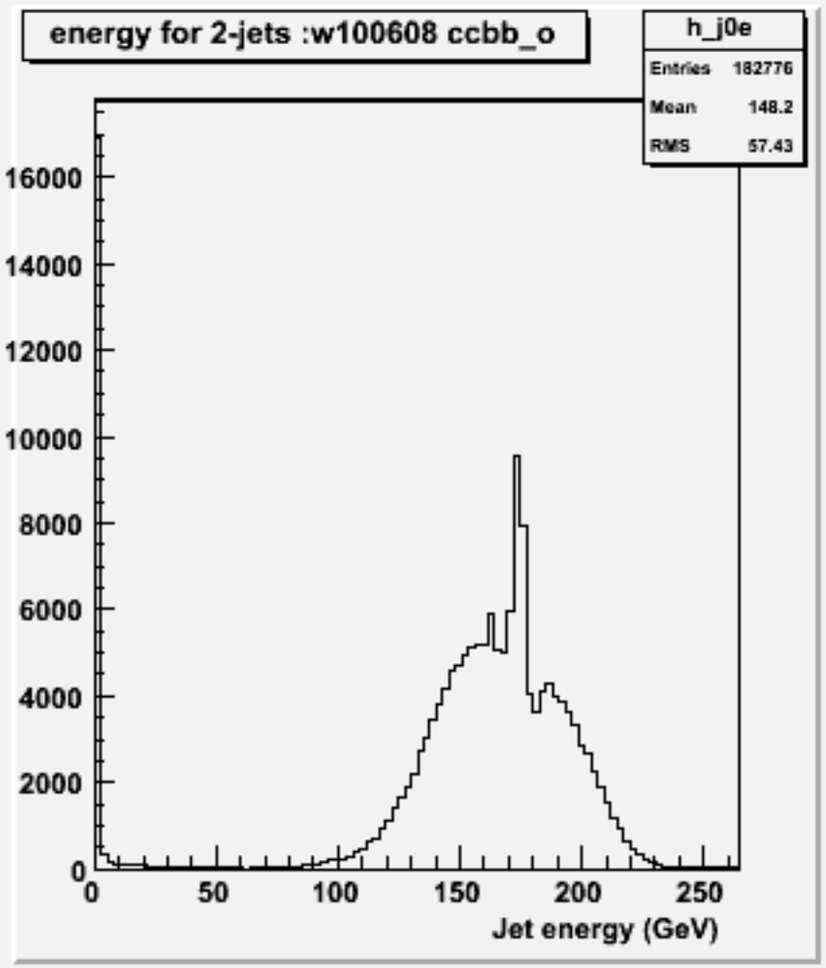

Pz Sum: w100608 ccbb_o
h_pz
Entries 91388
Mean -0.05133
RMS 14.72
Pz(sum) (GeV)

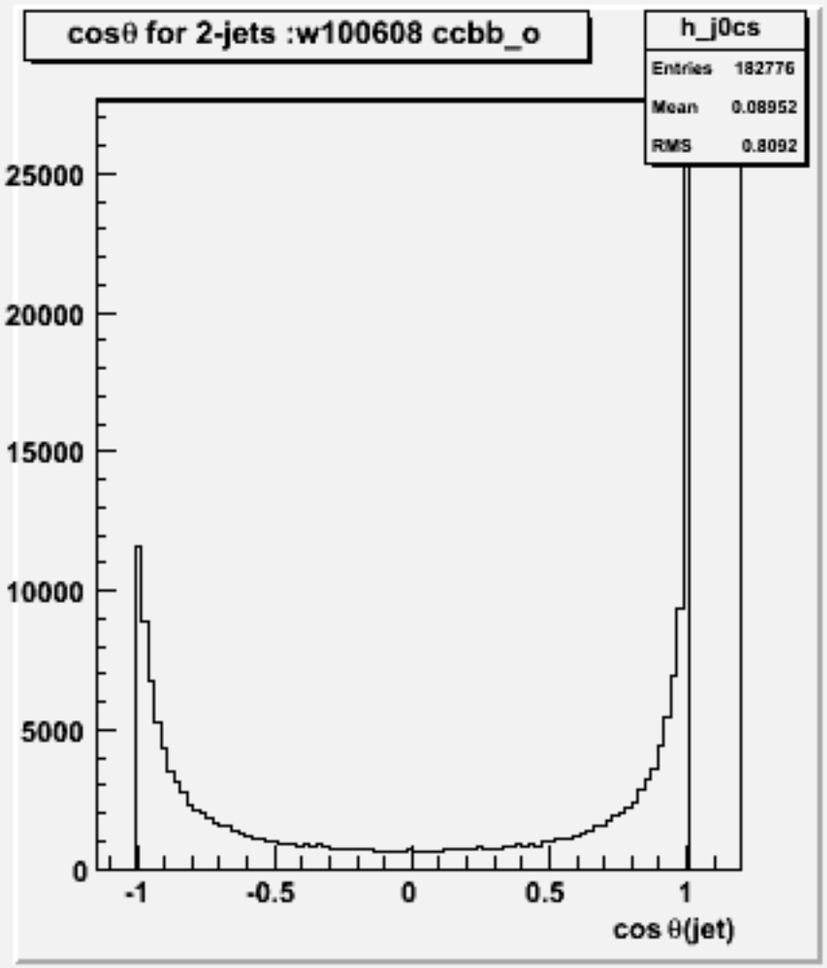

Thrust w100608 ccbb_o
h_thrust
Entries 91388
Mean 0.8488
RMS 0.06427
Thrust

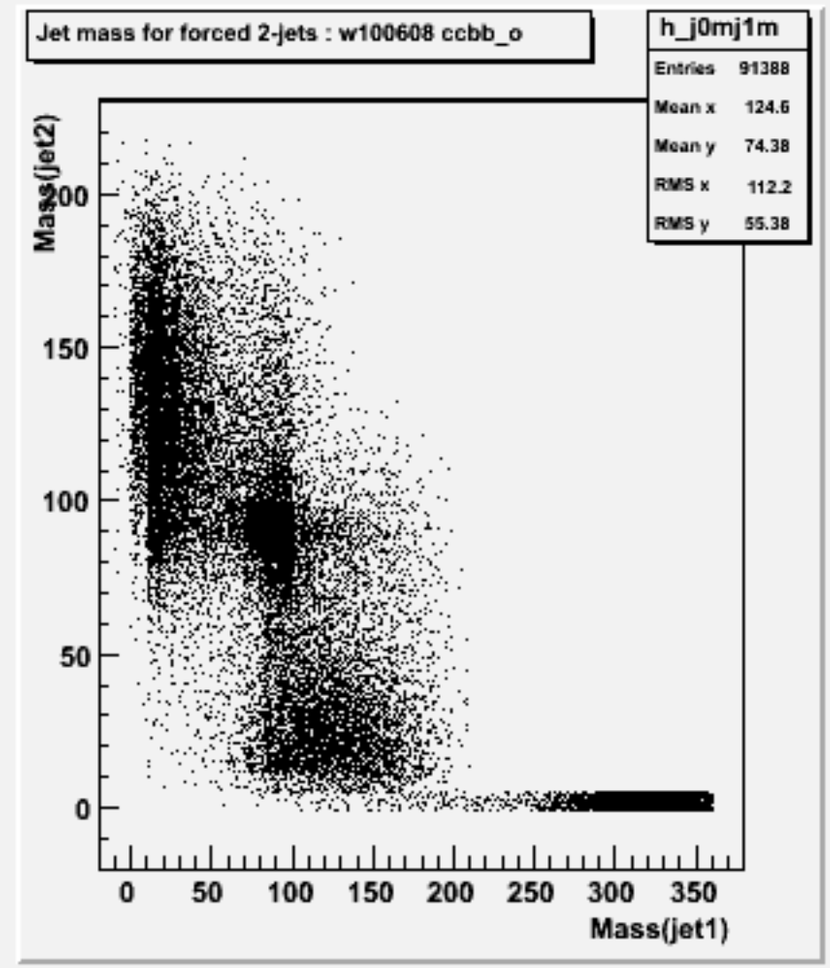

cosΘ(thrust) w100608 ccbb_o
h_csth
Entries 91388
Mean -0.0036819
RMS 0.793
Thrust

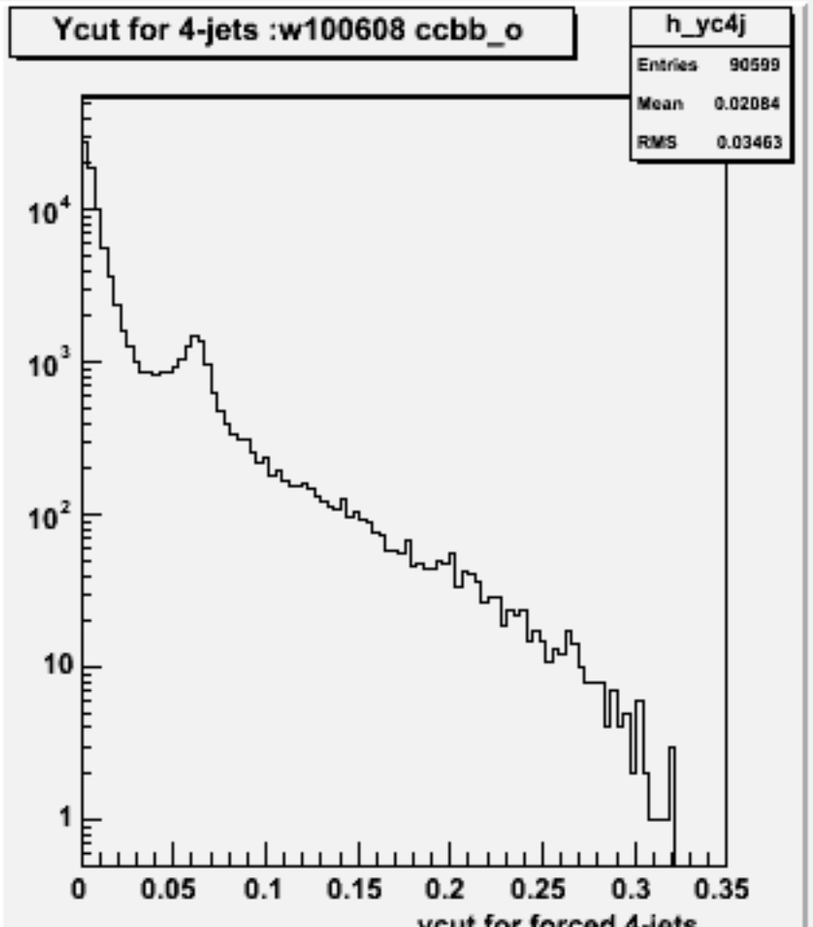

No. jets (ycut=0.001) : w100608 ccbb_o
h_njets
Entries 91388
Mean 5.863
RMS 1.19
No. of jets

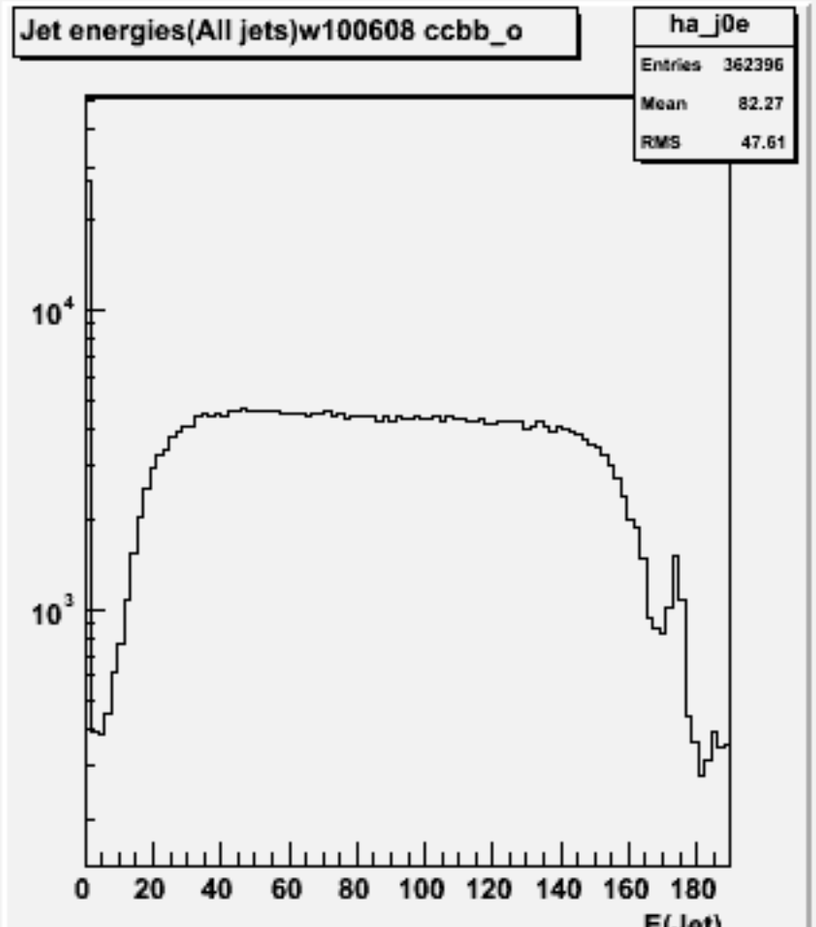

Ycut for 2-jets :w100608 ccbb_o
h_yc2j
Entries 91388
Mean 0.2019
RMS 0.2771
ycut for forced 2-jets

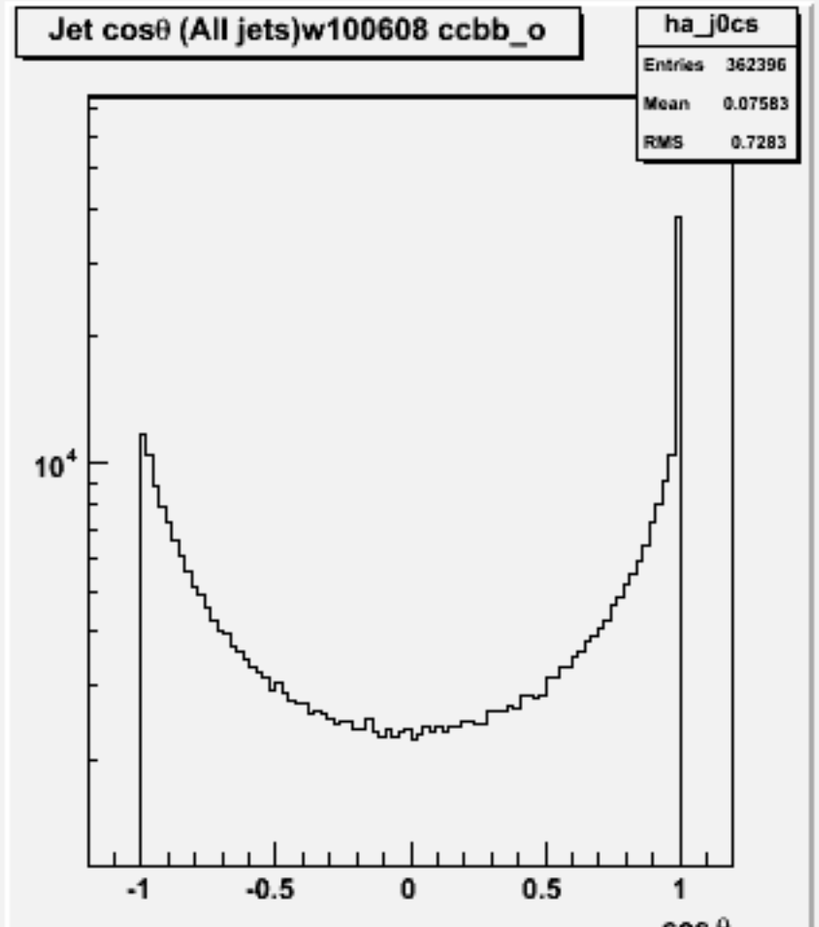

energy for 2-jets :w100608 ccbb_o
h_j0e
Entries 182776
Mean 148.2
RMS 57.43
Jet energy (GeV)

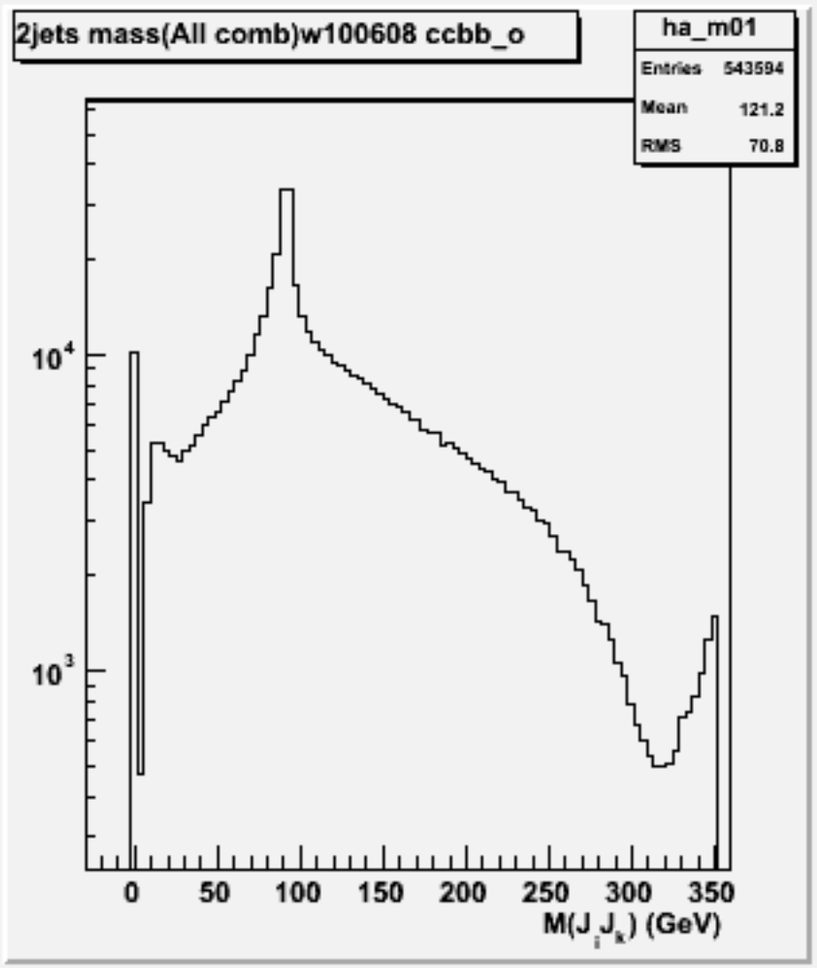

cosθ for 2-jets :w100608 ccbb_o
h_j0cs
Entries 182776
Mean 0.08952
RMS 0.8092
cos θ(jet)

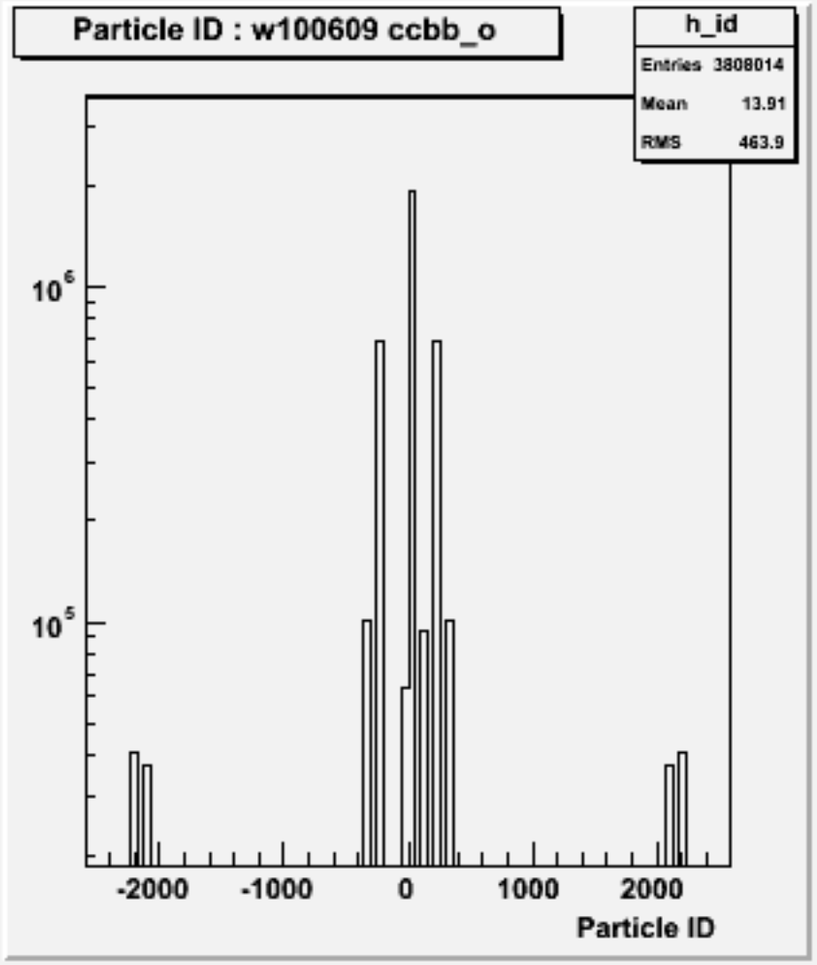

Jet mass for forced 2-jets : w100608 ccbb_o
h_j0mj1m
Entries 91388
Mean x 124.6
Mean y 74.38
RMS x 112.2
RMS y 55.38
Mass(jet2)
Mass(jet1)

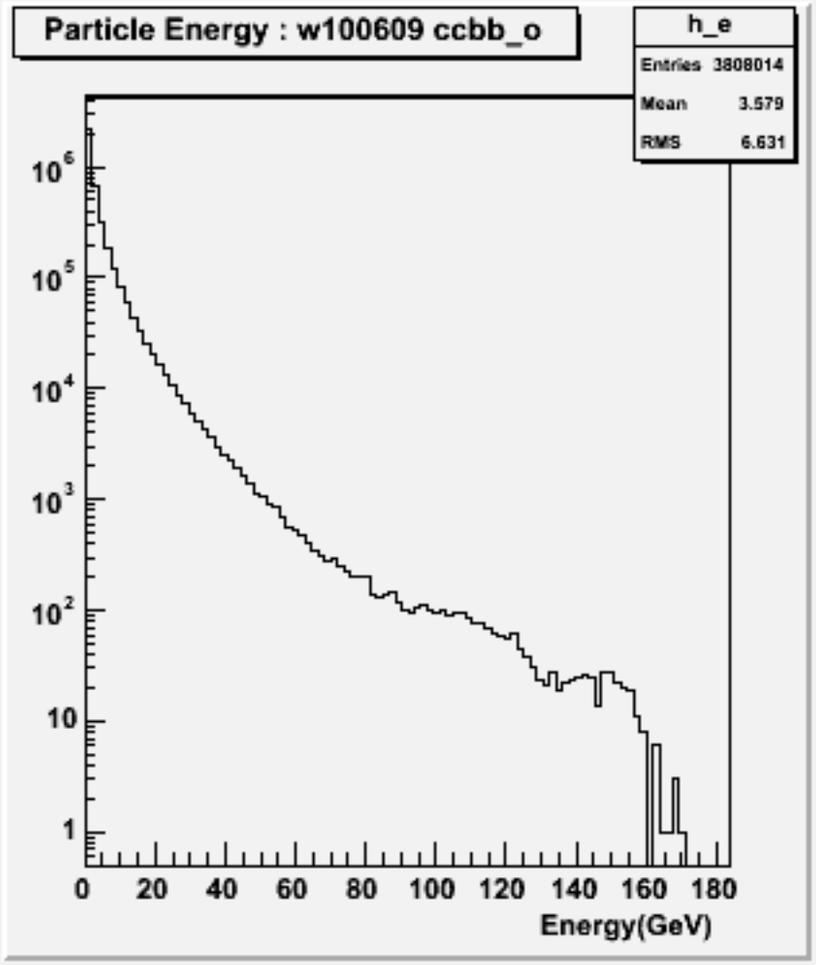

Ycut for 4-jets :w100608 ccbb_o
h_yc4j
Entries 90599
Mean 0.02084
RMS 0.03463
ycut for forced 4-jets

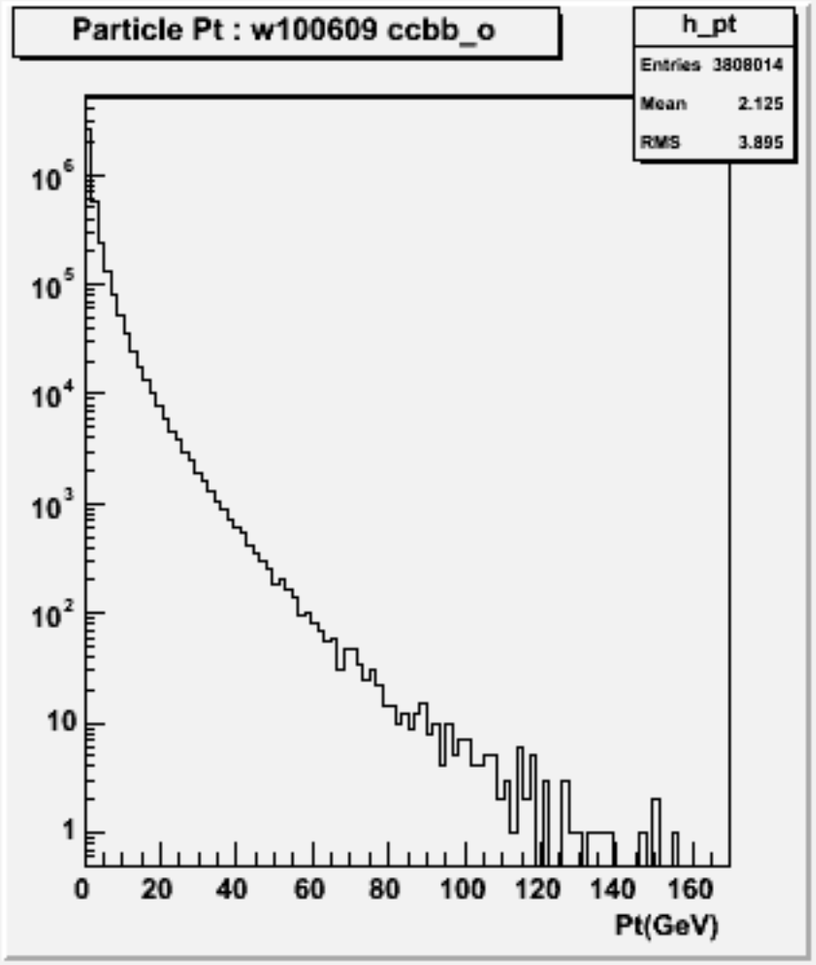

Jet energies(All jets)w100608 ccbb_o
ha_j0e
Entries 362396
Mean 82.27
RMS 47.61
E(Jet)

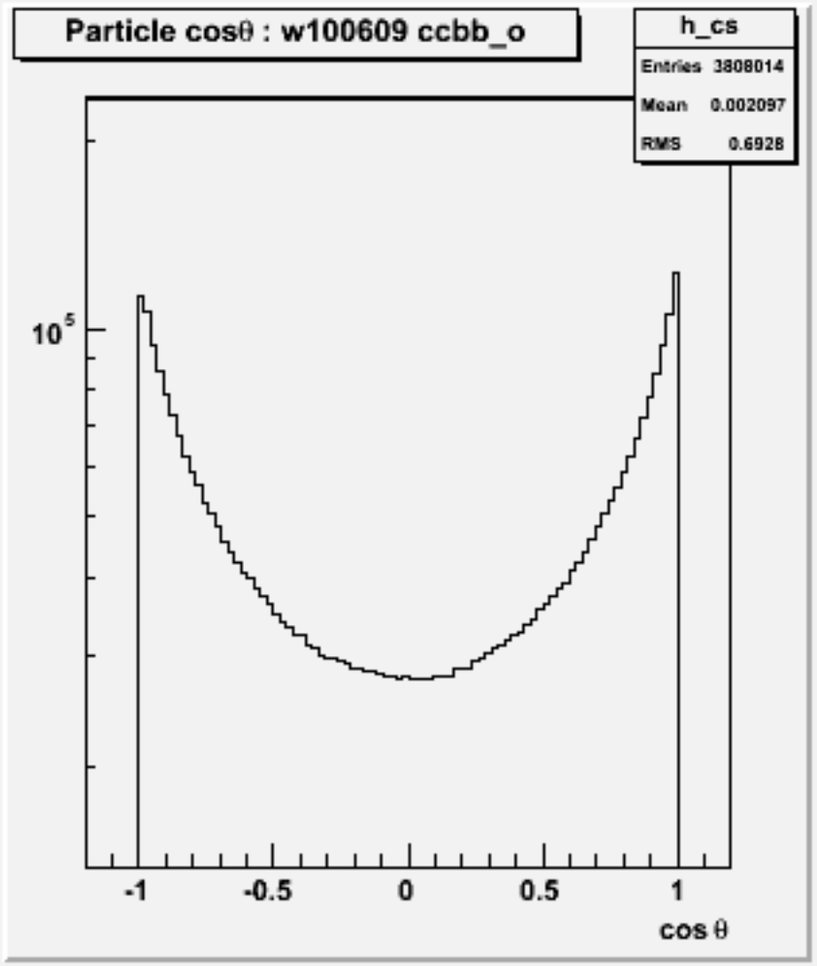

Jet cosθ (All jets)w100608 ccbb_o
ha_j0cs
Entries 362396
Mean 0.07583
RMS 0.7283
cos θ

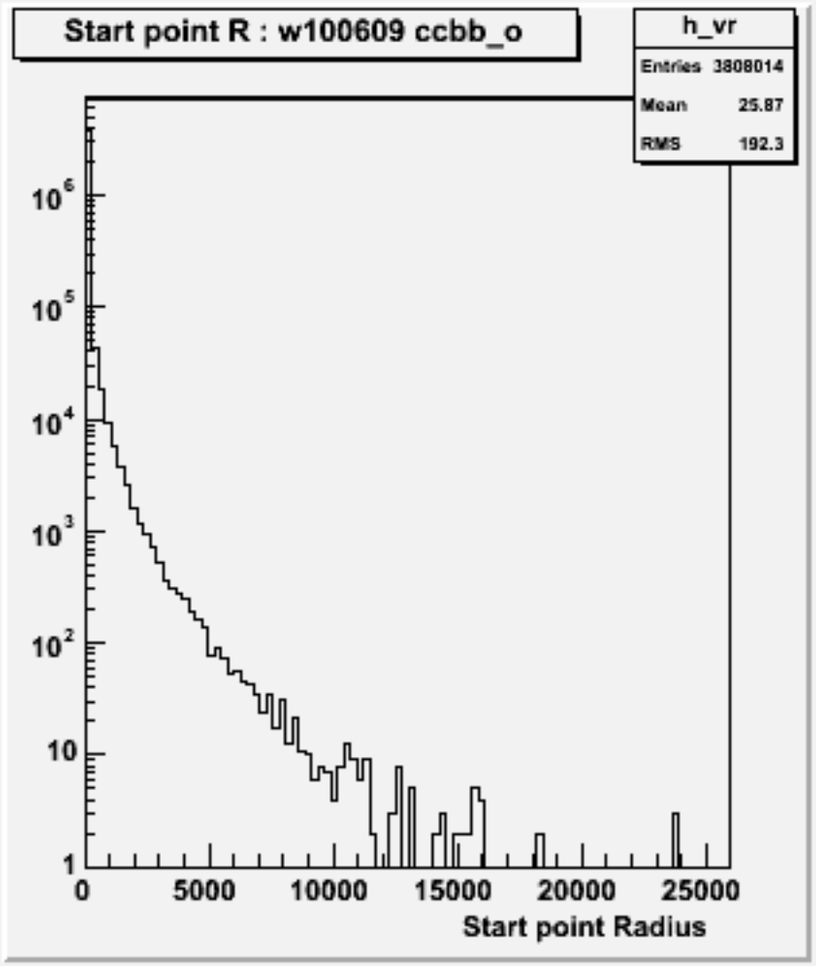

2jets mass(All comb)w100608 ccbb_o
ha_m01
Entries 543594
Mean 121.2
RMS 70.8
M(J_iJ_k) (GeV)

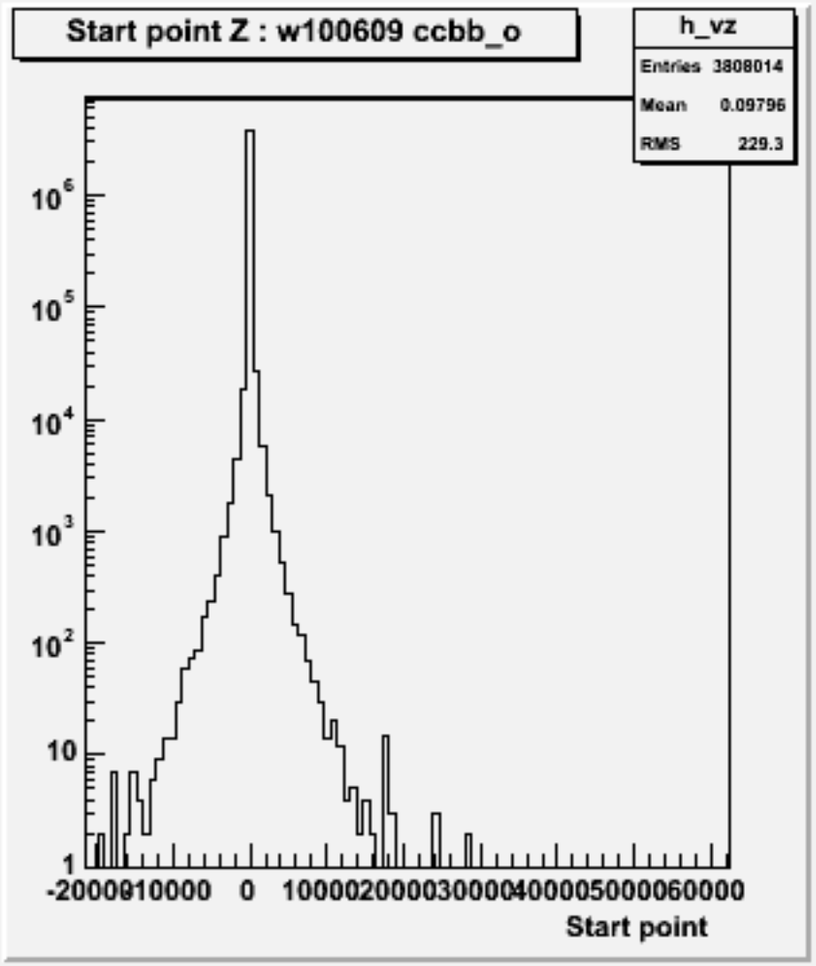

Particle ID : w100609 ccbb_o
h_id
Entries 3808014
Mean 13.91
RMS 463.9
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

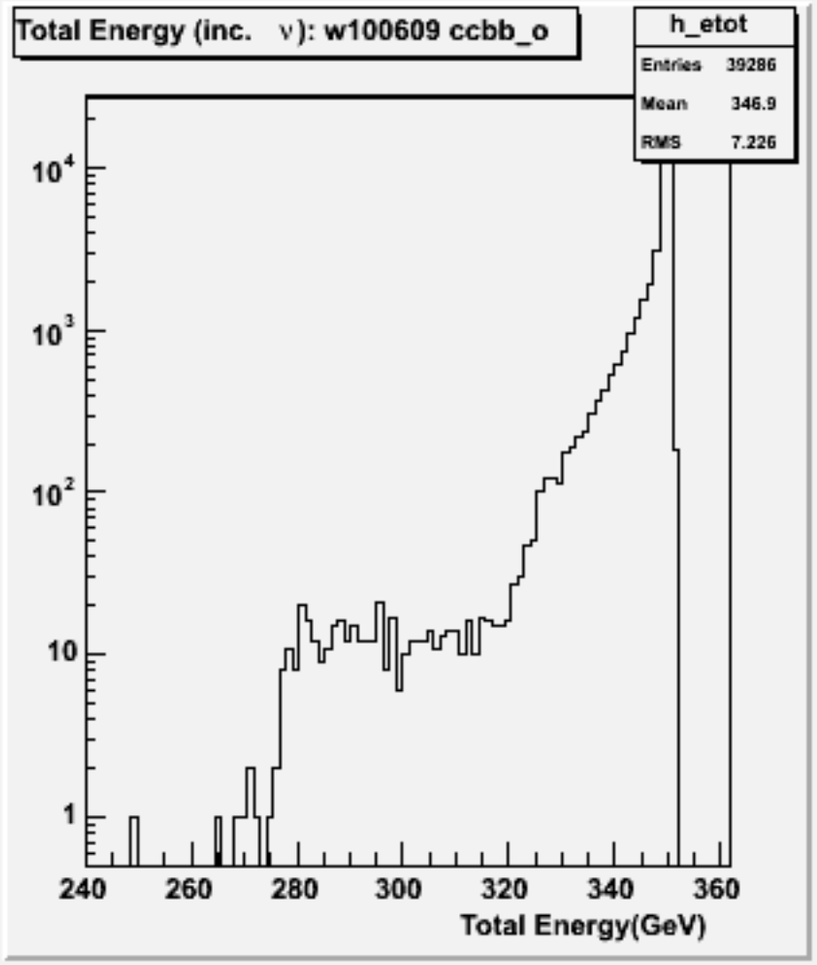

Particle Energy : w100609 ccbb_o
h_e
Entries 3808014
Mean 3.579
RMS 6.631
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

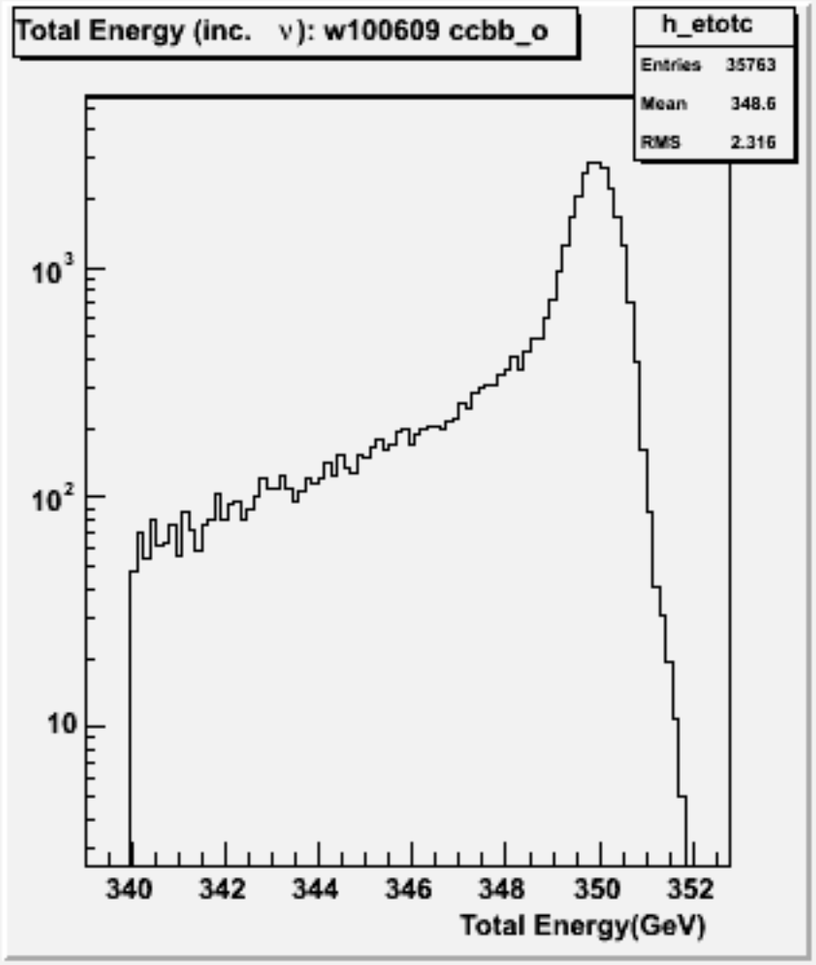

Particle Pt : w100609 ccbb_o
h_pt
Entries 3808014
Mean 2.125
RMS 3.895
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

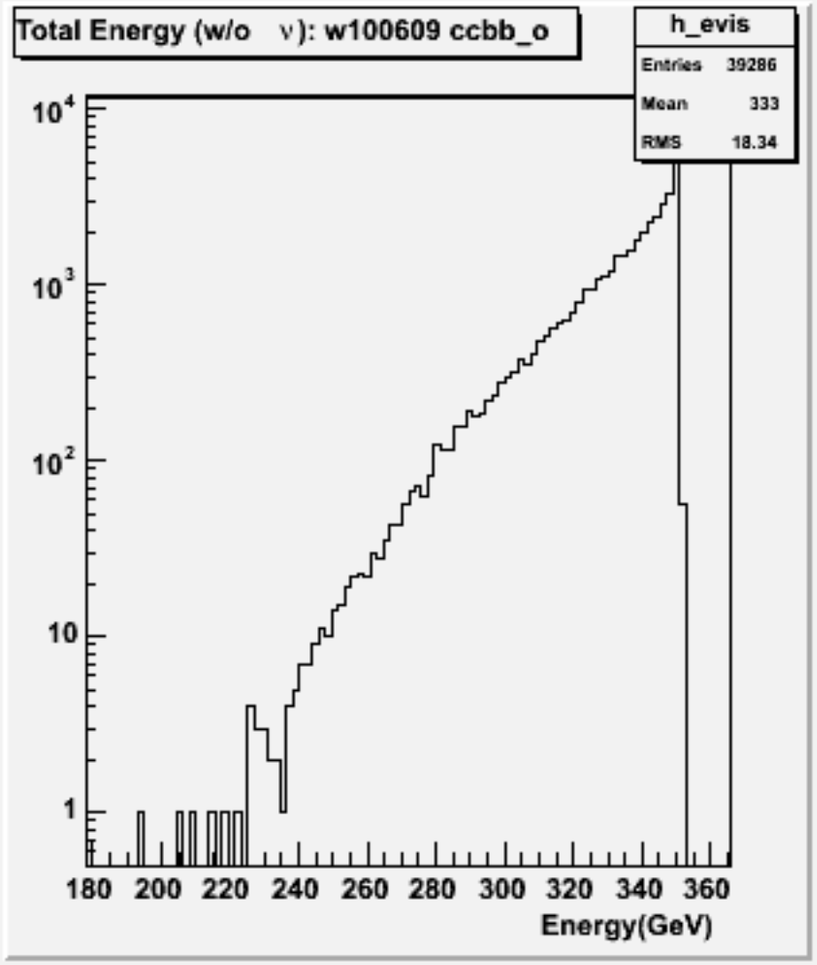

Particle cosθ : w100609 ccbb_o
h_cs
Entries 3808014
Mean 0.002097
RMS 0.6928
10^5
-1
-0.5
0
0.5
1
cos θ

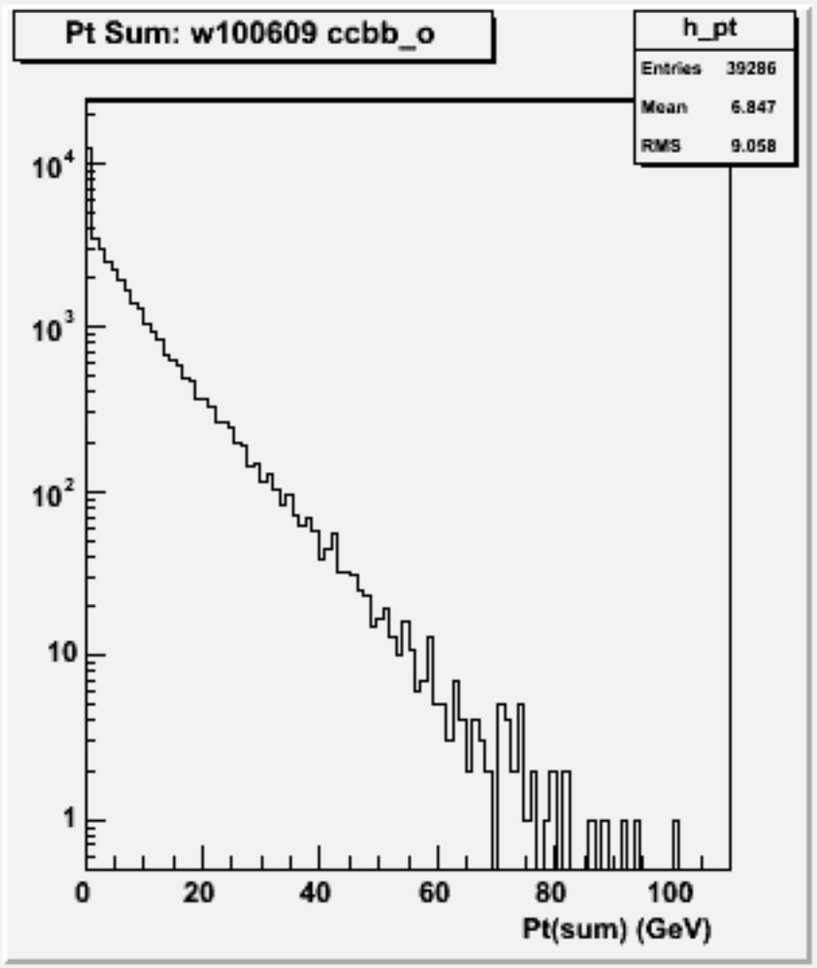

Start point R : w100609 ccbb_o
h_vr
Entries 3808014
Mean 25.87
RMS 192.3
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

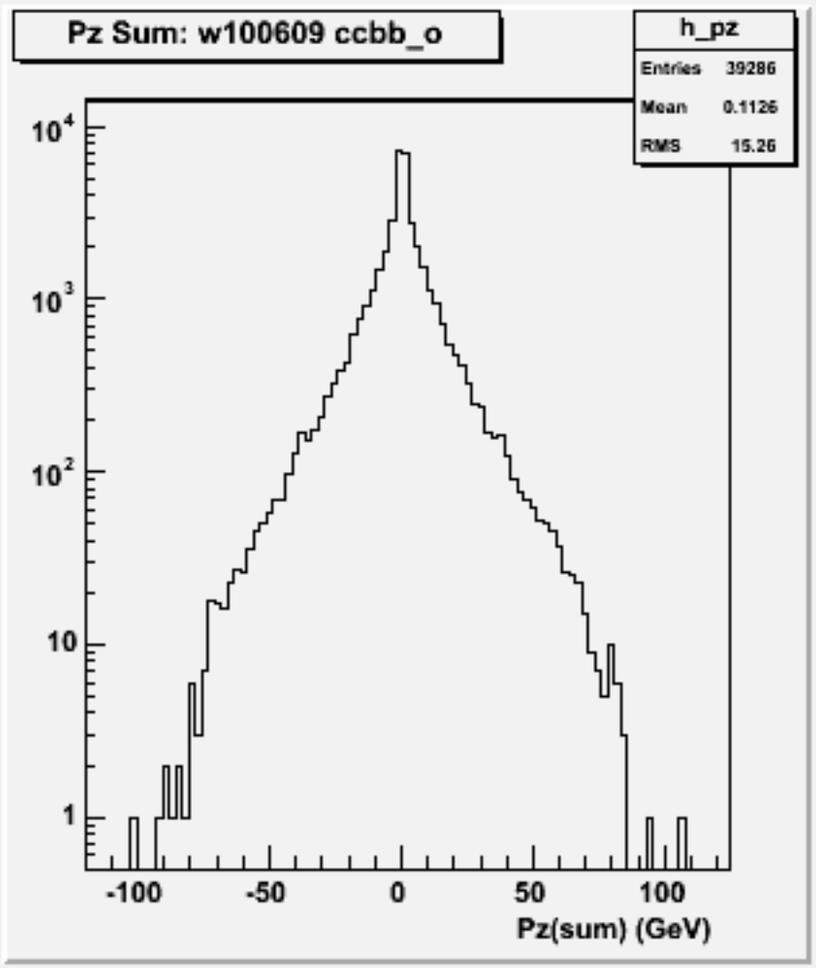

Start point Z : w100609 ccbb_o
h_vz
Entries 3808014
Mean 0.09796
RMS 229.3
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
30000
40000
50000
60000
Start point

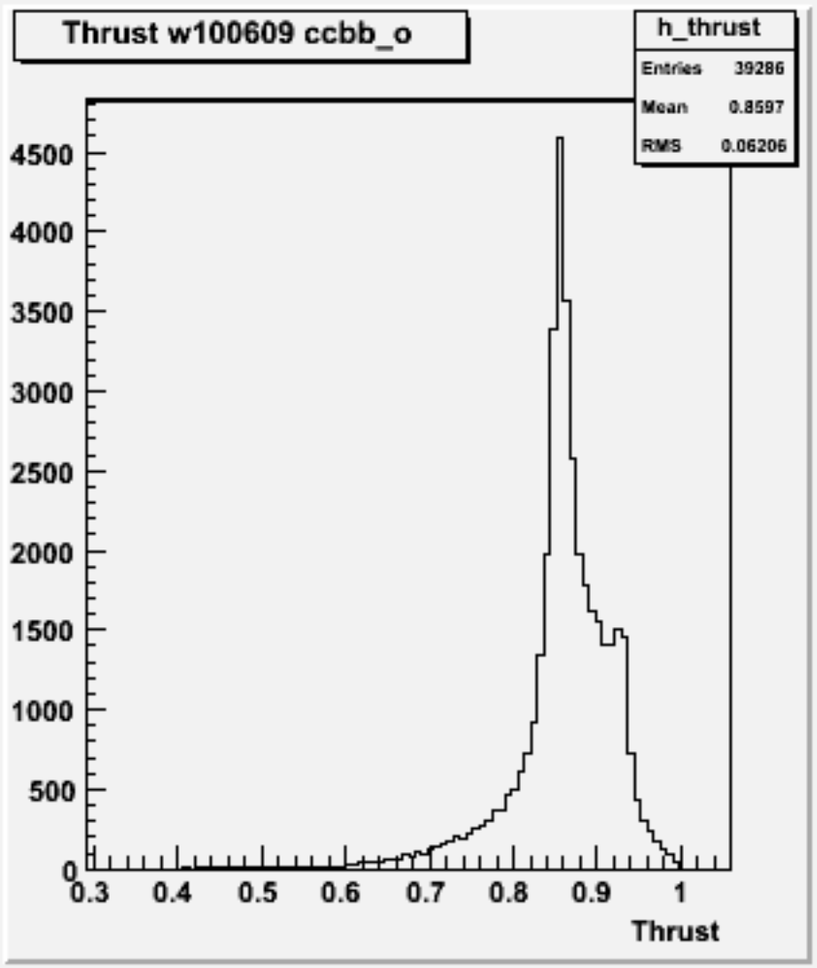

Total Energy (inc. ν): w100609 ccbb_o
h_etot
Entries 39286
Mean 346.9
RMS 7.226
Total Energy(GeV)

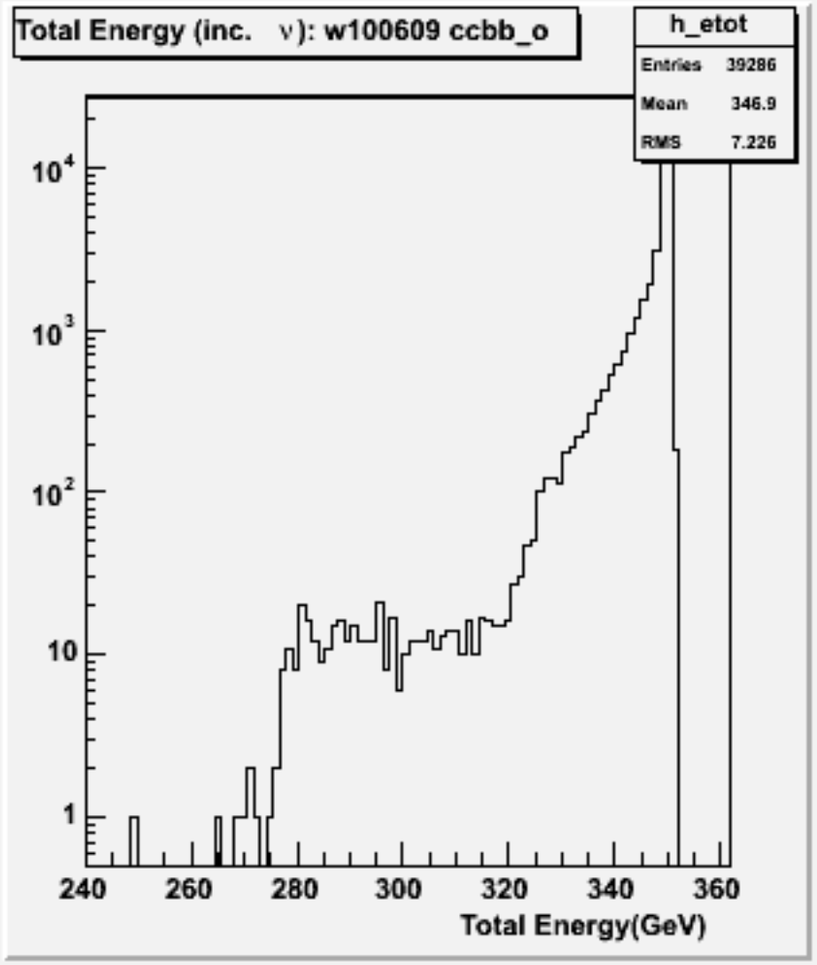

Total Energy (inc. ν): w100609 ccbb_o
h_etotc
Entries 35763
Mean 348.6
RMS 2.316
Total Energy(GeV)

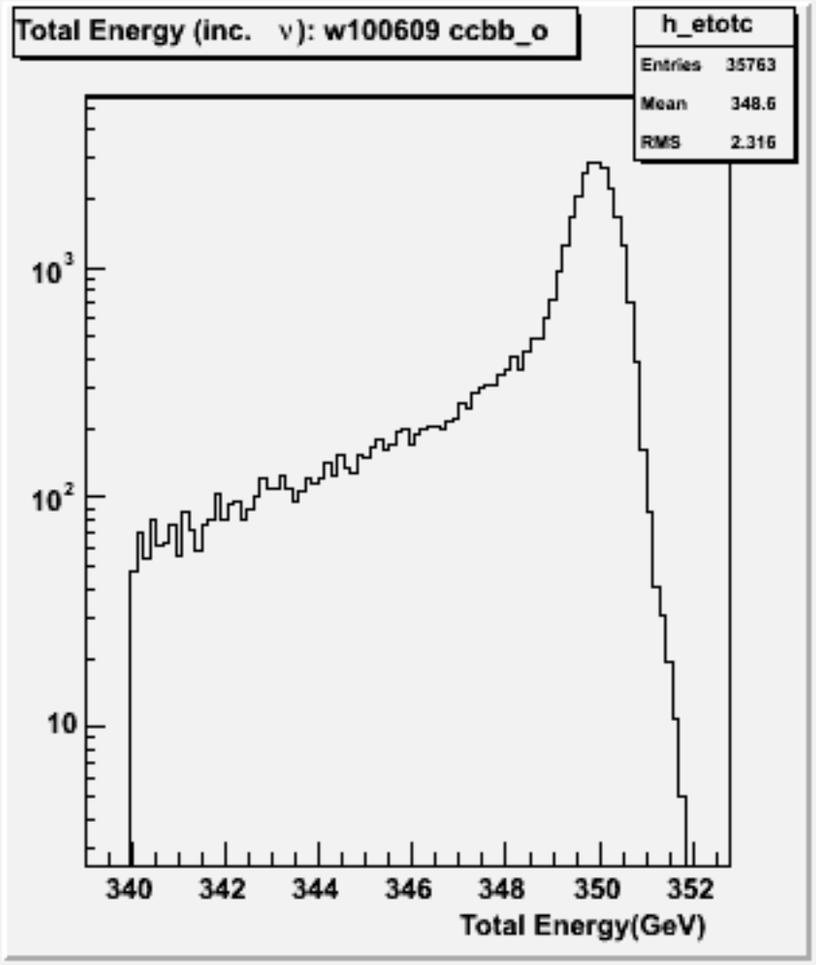

Total Energy (w/o ν): w100609 ccbb_o
h_evis
Entries 39286
Mean 333
RMS 18.34
Energy(GeV)

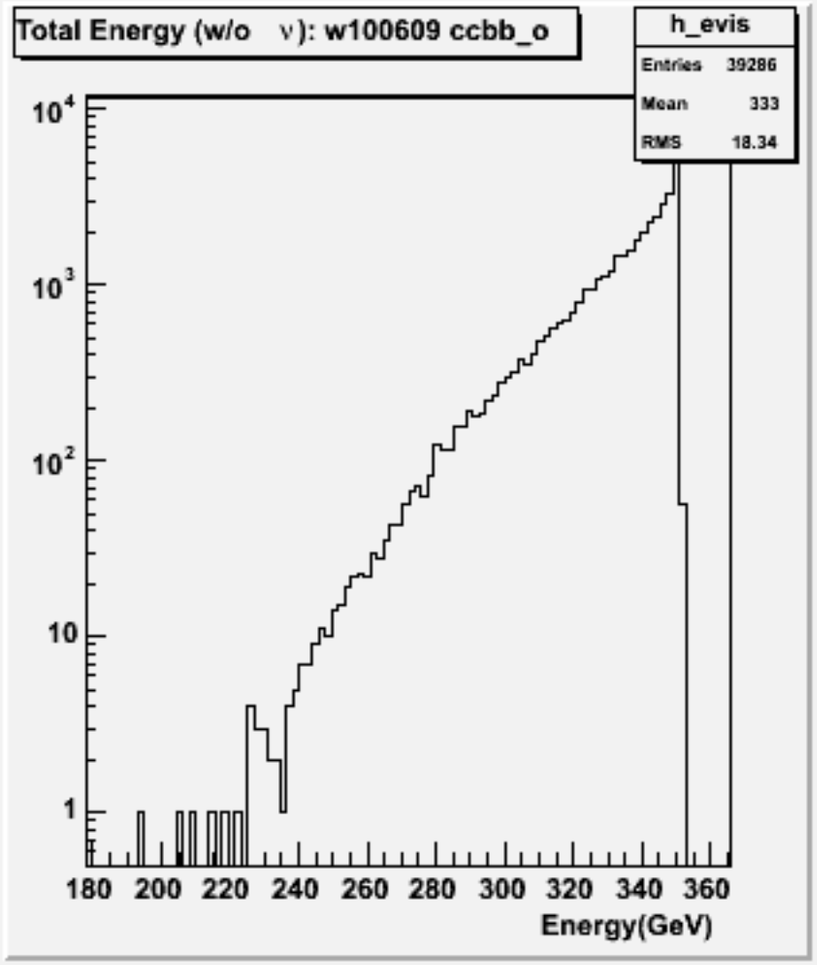

Pt Sum: w100609 ccbb_o
h_pt
Entries 39286
Mean 6.847
RMS 9.058
Pt(sum) (GeV)

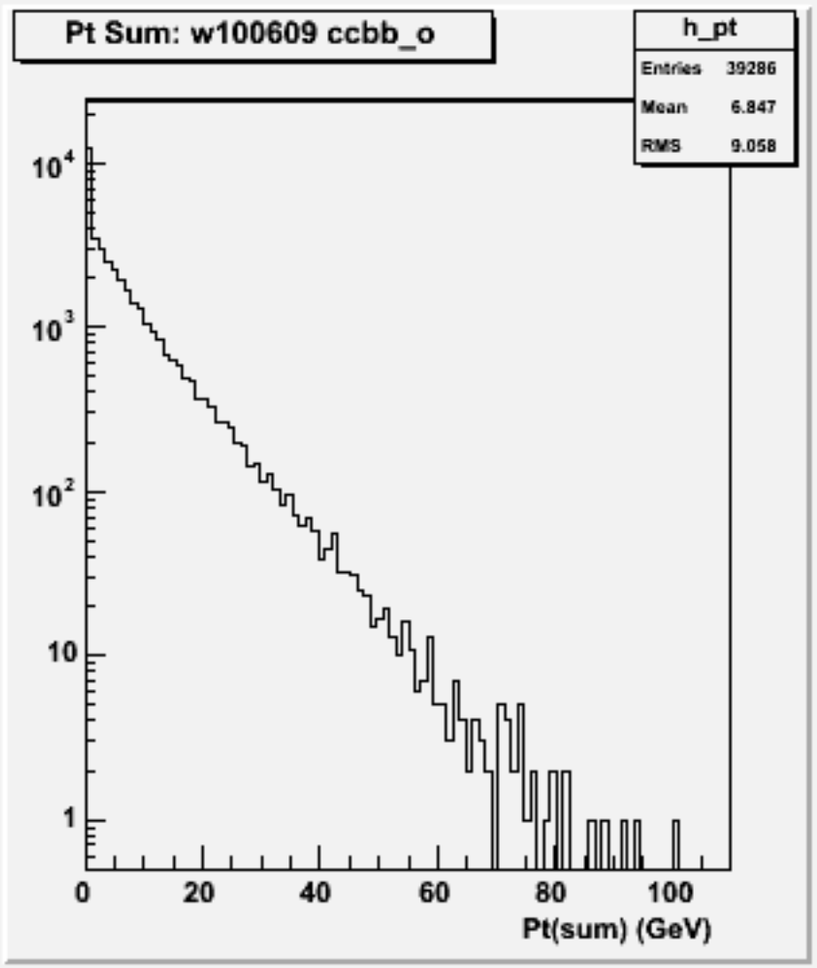

Pz Sum: w100609 ccbb_o
h_pz
Entries 39286
Mean 0.1126
RMS 15.26
Pz(sum) (GeV)

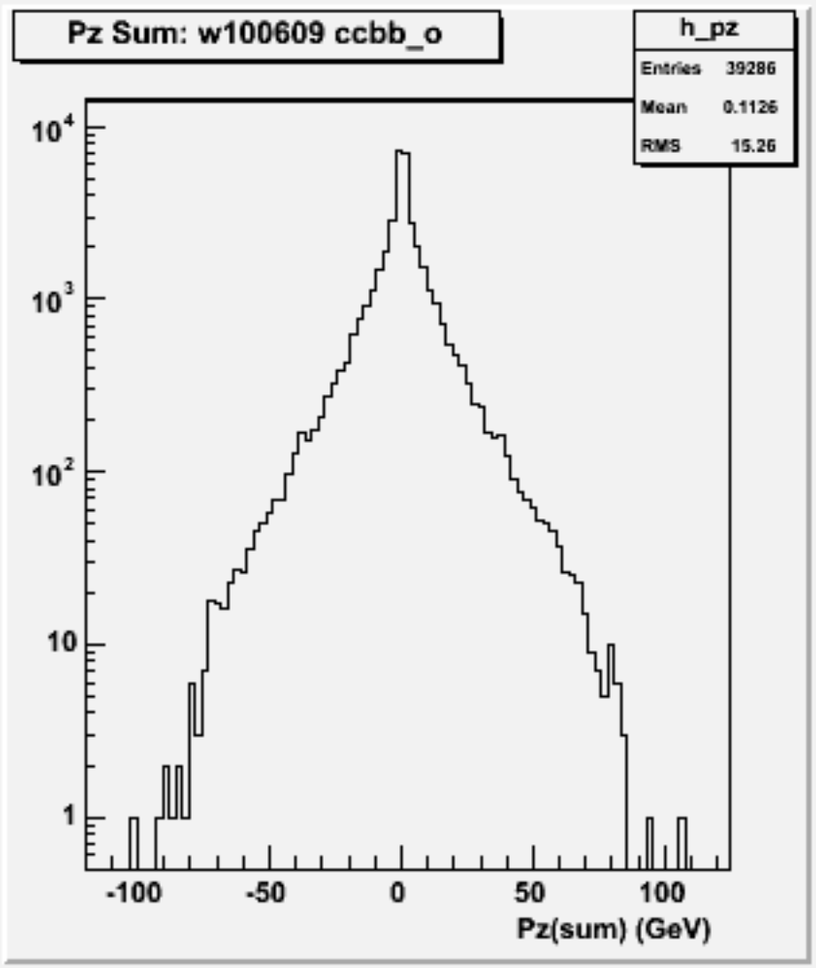

Thrust w100609 ccbb_o
h_thrust
Entries 39286
Mean 0.8597
RMS 0.06206
Thrust

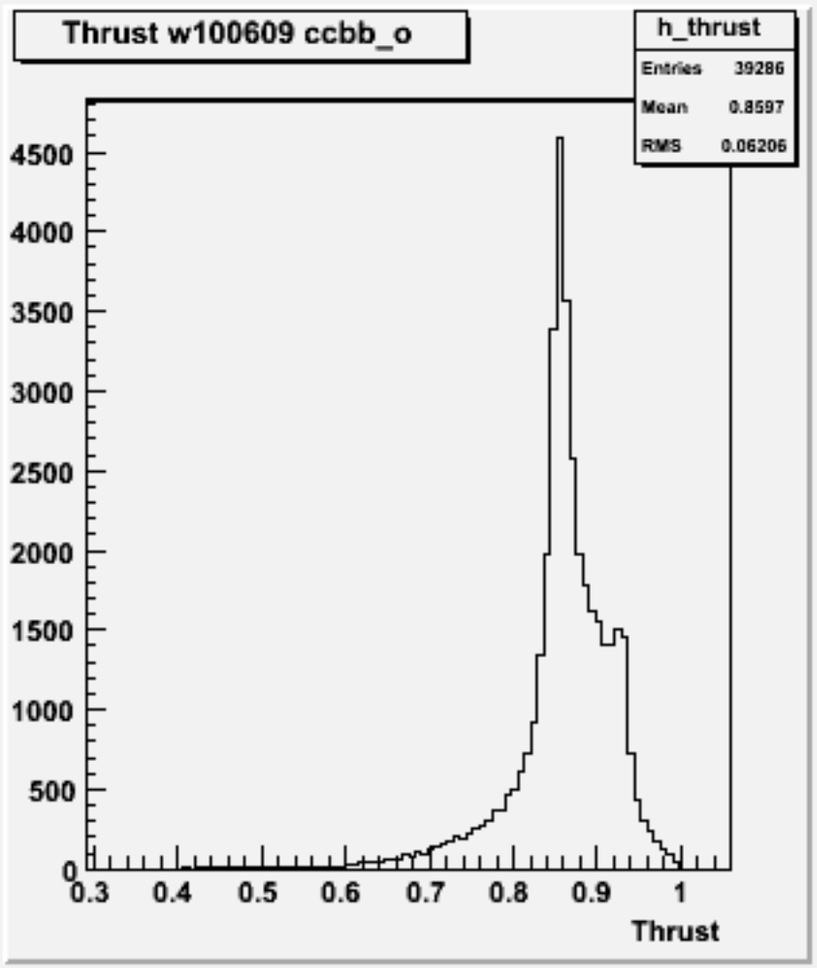

Total Energy (inc. ν): w100609 ccbb_o
h_etot
Entries 39286
Mean 346.9
RMS 7.226
Total Energy(GeV)

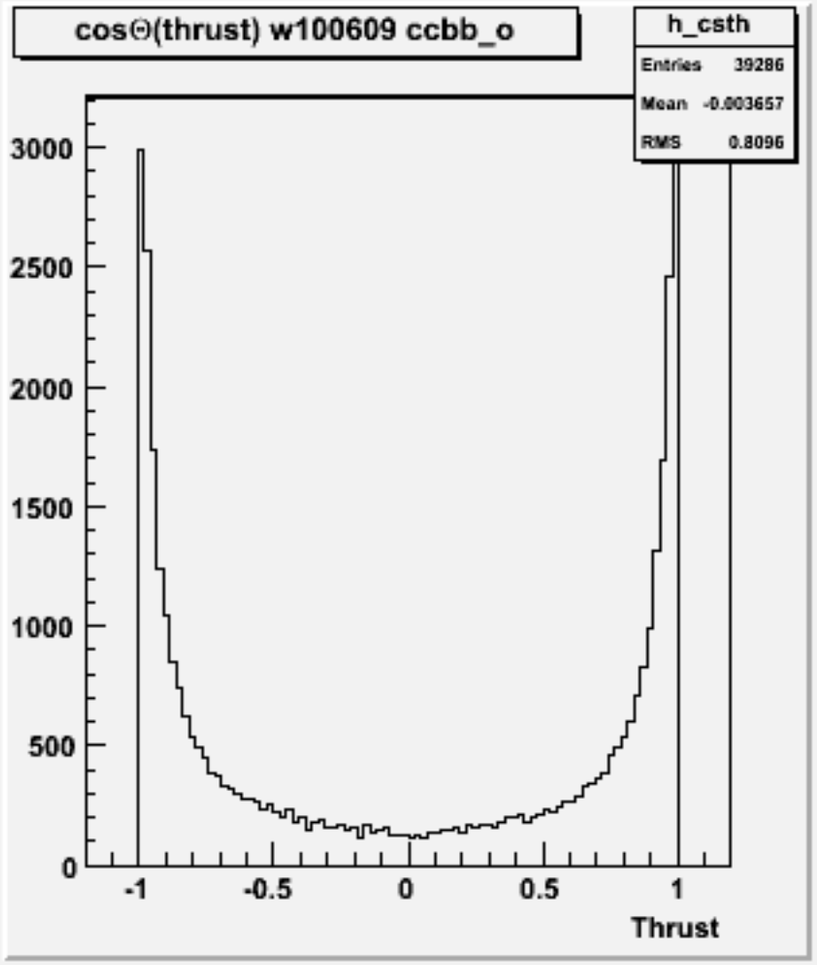

Total Energy (inc. ν): w100609 ccbb_o
h_etotc
Entries 35763
Mean 348.6
RMS 2.316
Total Energy(GeV)

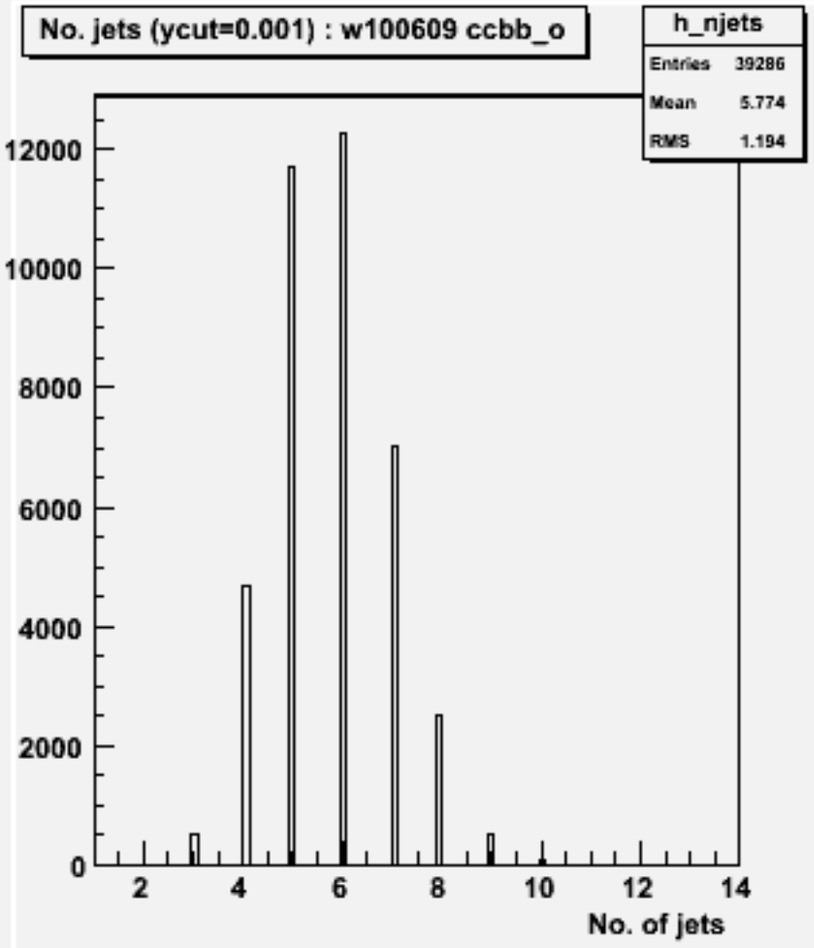

Total Energy (w/o ν): w100609 ccbb_o
h_evis
Entries 39286
Mean 333
RMS 18.34
Energy(GeV)

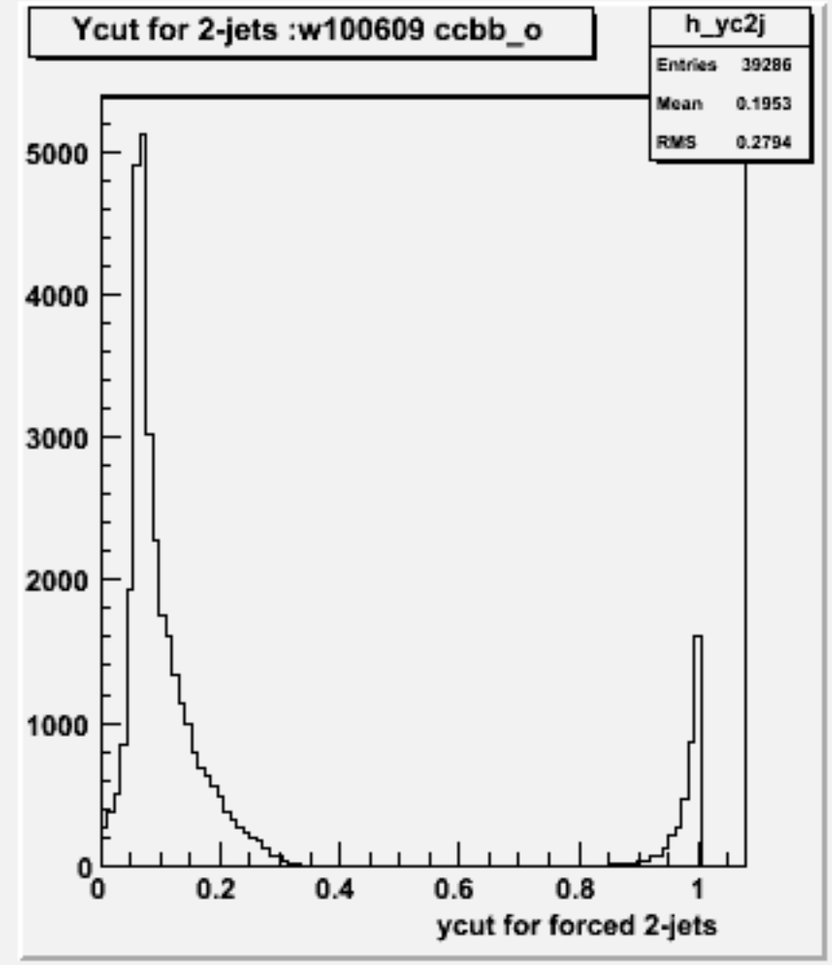

Pt Sum: w100609 ccbb_o
h_pt
Entries 39286
Mean 6.847
RMS 9.058
Pt(sum) (GeV)

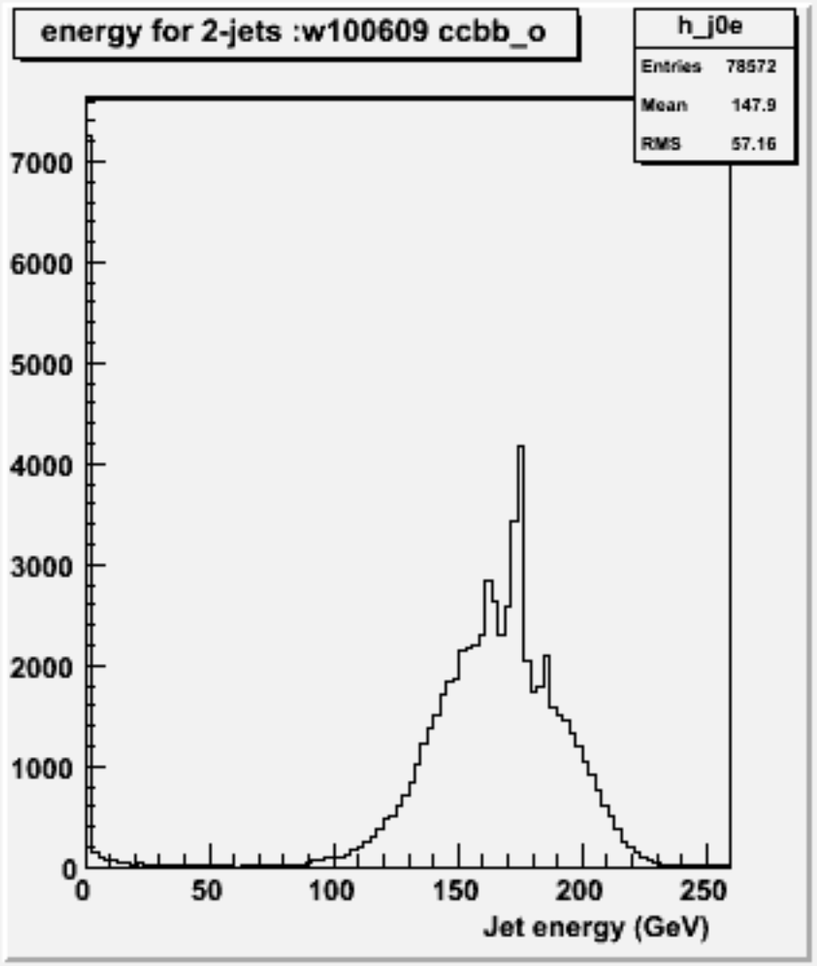

Pz Sum: w100609 ccbb_o
h_pz
Entries 39286
Mean 0.1126
RMS 15.26
Pz(sum) (GeV)

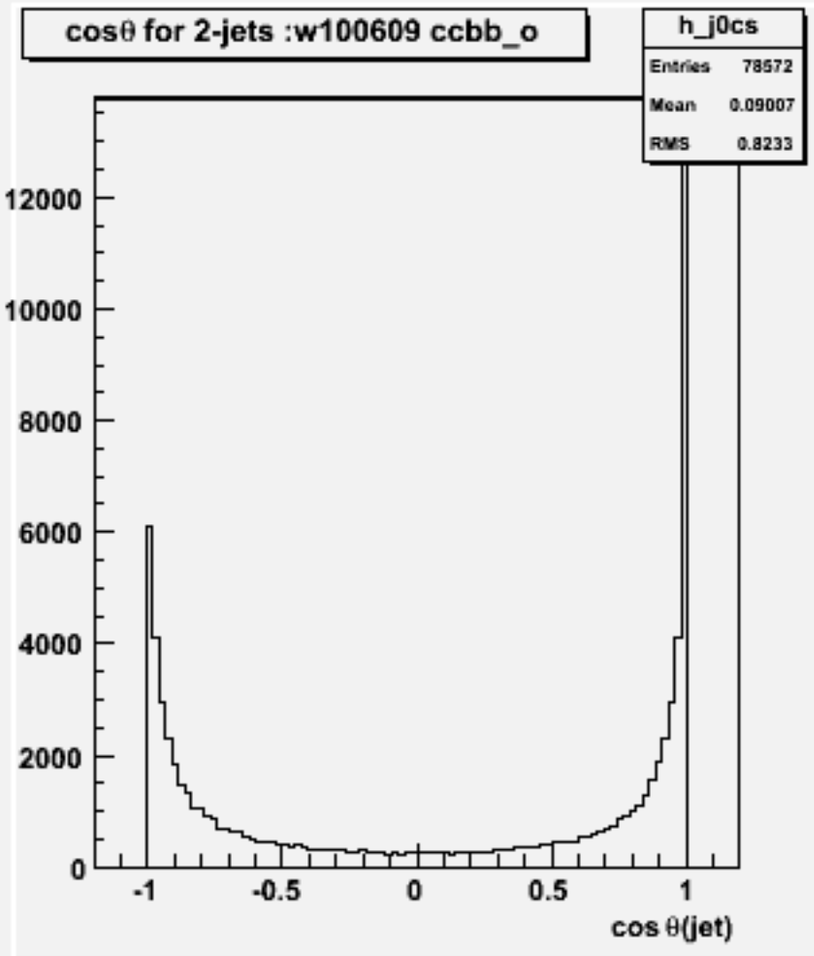

Thrust w100609 ccbb_o
h_thrust
Entries 39286
Mean 0.8597
RMS 0.06206
Thrust

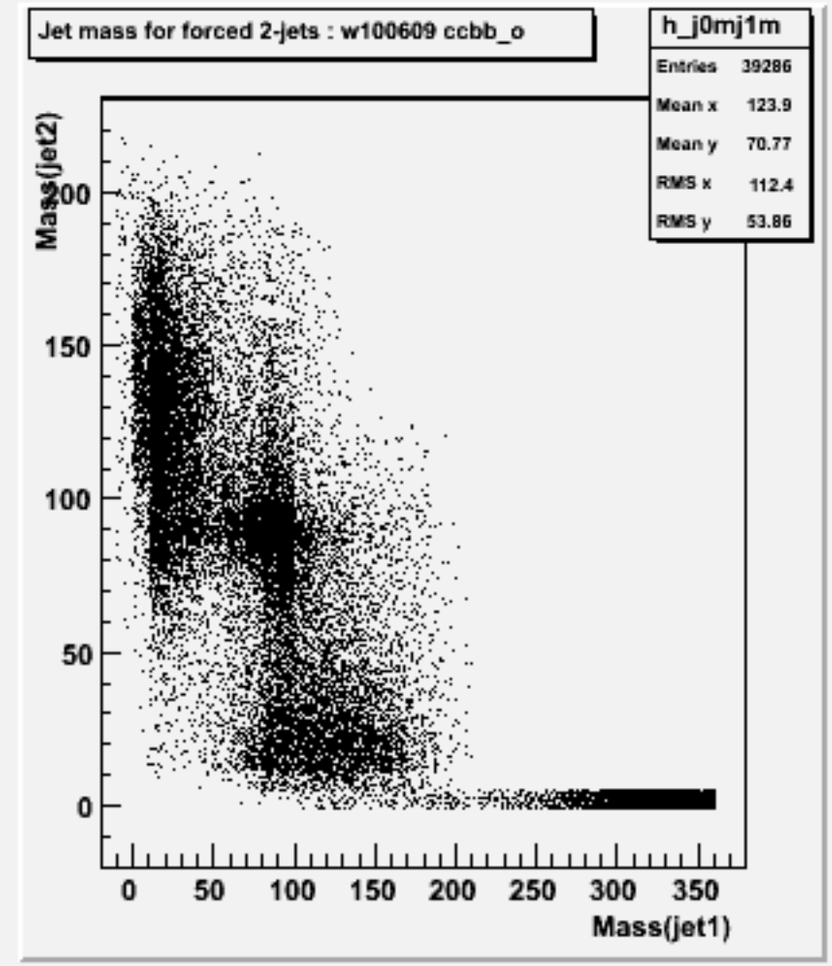

cosΘ(thrust) w100609 ccbb_o
h_csth
Entries 39286
Mean -0.003657
RMS 0.8096
Thrust

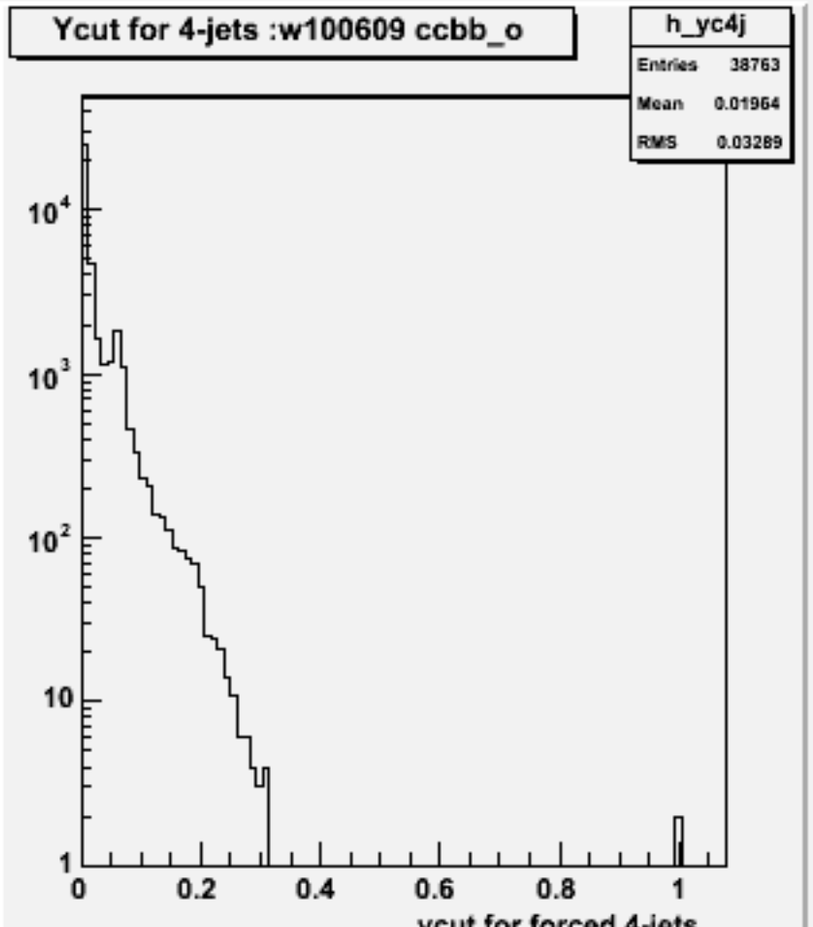

No. jets (ycut=0.001) : w100609 ccbb_o
h_njets
Entries 39286
Mean 5.774
RMS 1.194
No. of jets

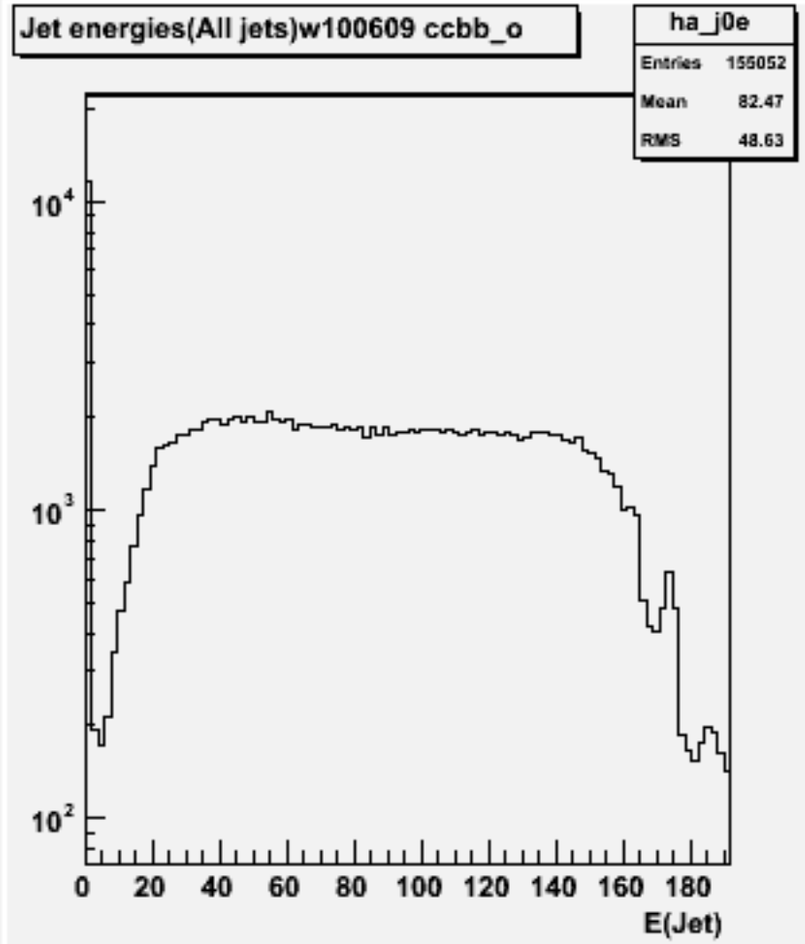

Ycut for 2-jets :w100609 ccbb_o
h_yc2j
Entries 39286
Mean 0.1953
RMS 0.2794
ycut for forced 2-jets

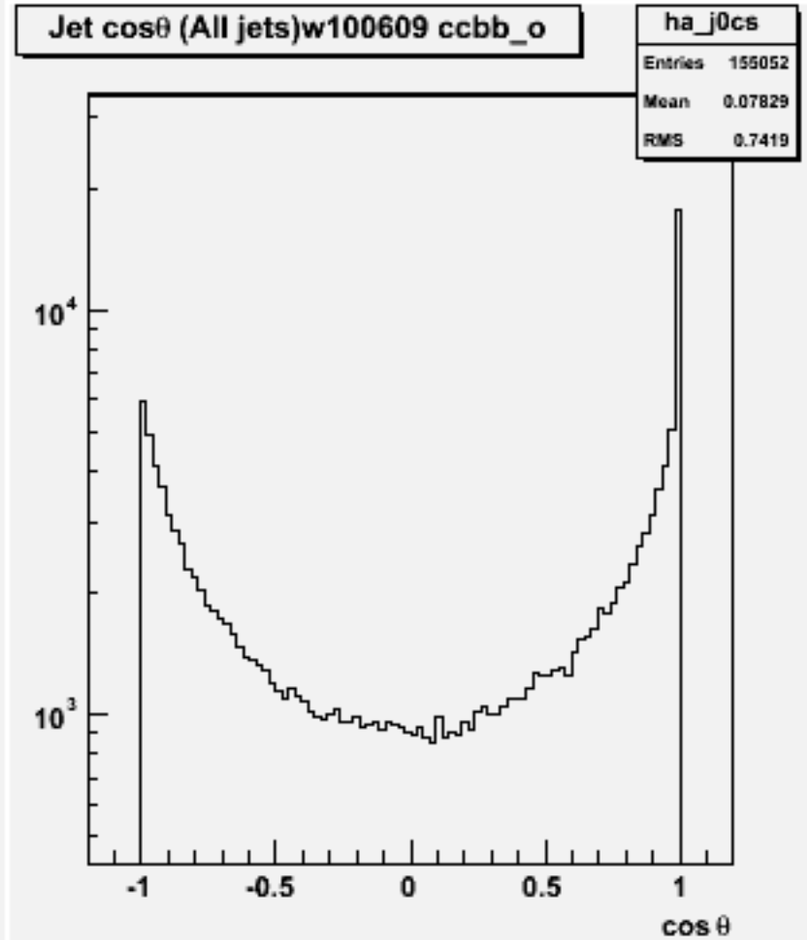

energy for 2-jets :w100609 ccbb_o
h_j0e
Entries 78572
Mean 147.9
RMS 57.16
Jet energy (GeV)

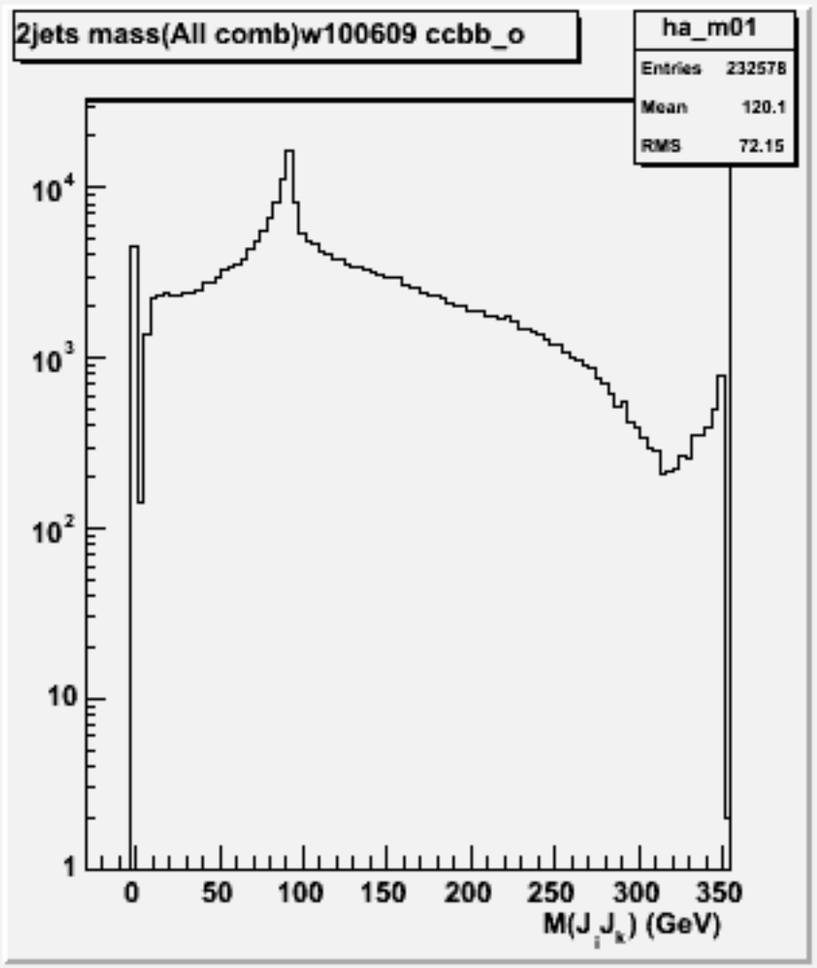

cosθ for 2-jets :w100609 ccbb_o
h_j0cs
Entries 78572
Mean 0.09007
RMS 0.8233
cos θ(jet)

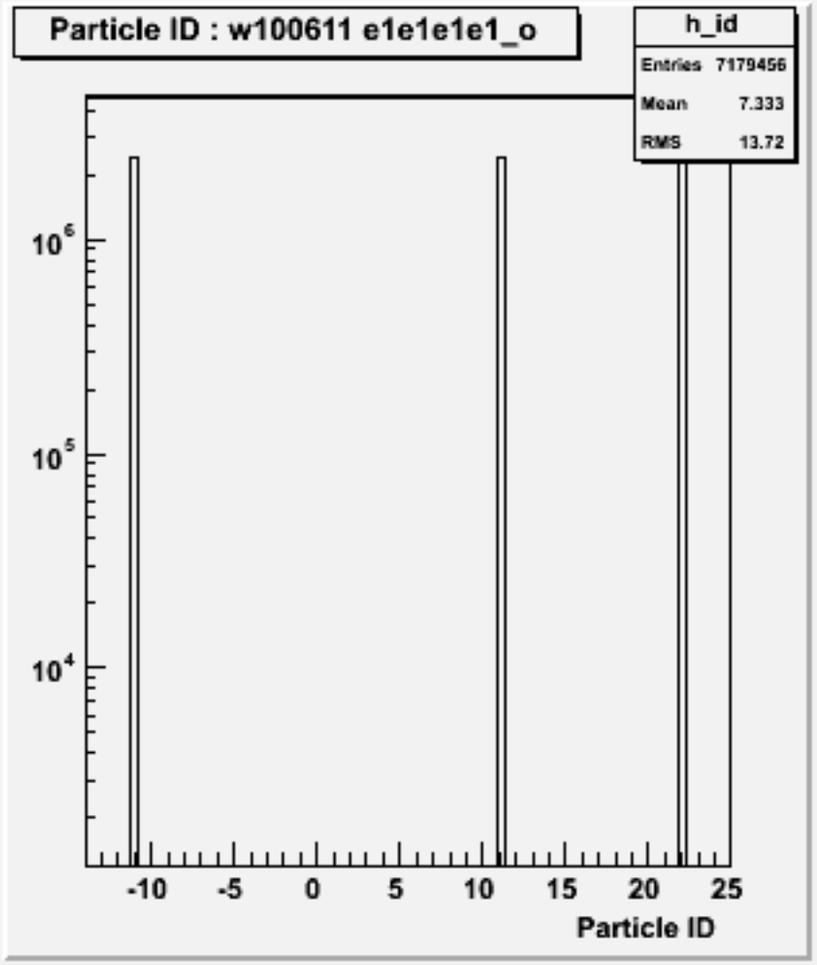

Jet mass for forced 2-jets : w100609 ccbb_o
h_j0mj1m
Entries 39286
Mean x 123.9
Mean y 70.77
RMS x 112.4
RMS y 53.86
Mass(jet2)
Mass(jet1)

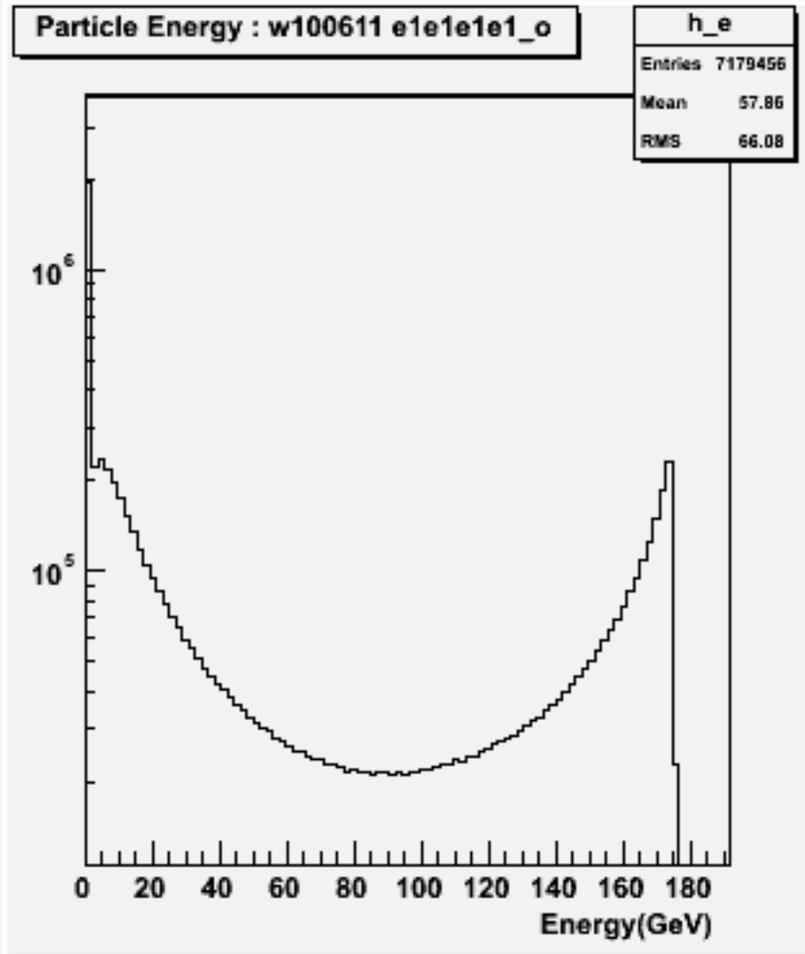

Ycut for 4-jets :w100609 ccbb_o
h_yc4j
Entries 38763
Mean 0.01964
RMS 0.03289
ycut for forced 4-jets

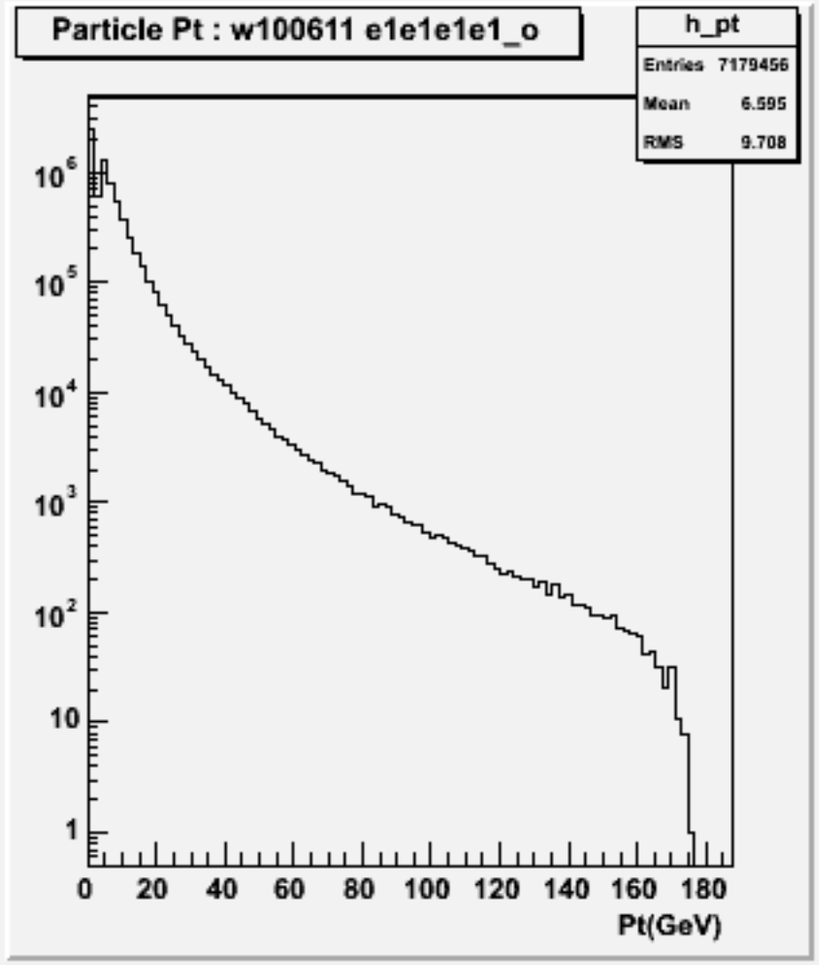

Jet energies(All jets)w100609 ccbb_o
ha_j0e
Entries 155052
Mean 82.47
RMS 48.63
E(Jet)

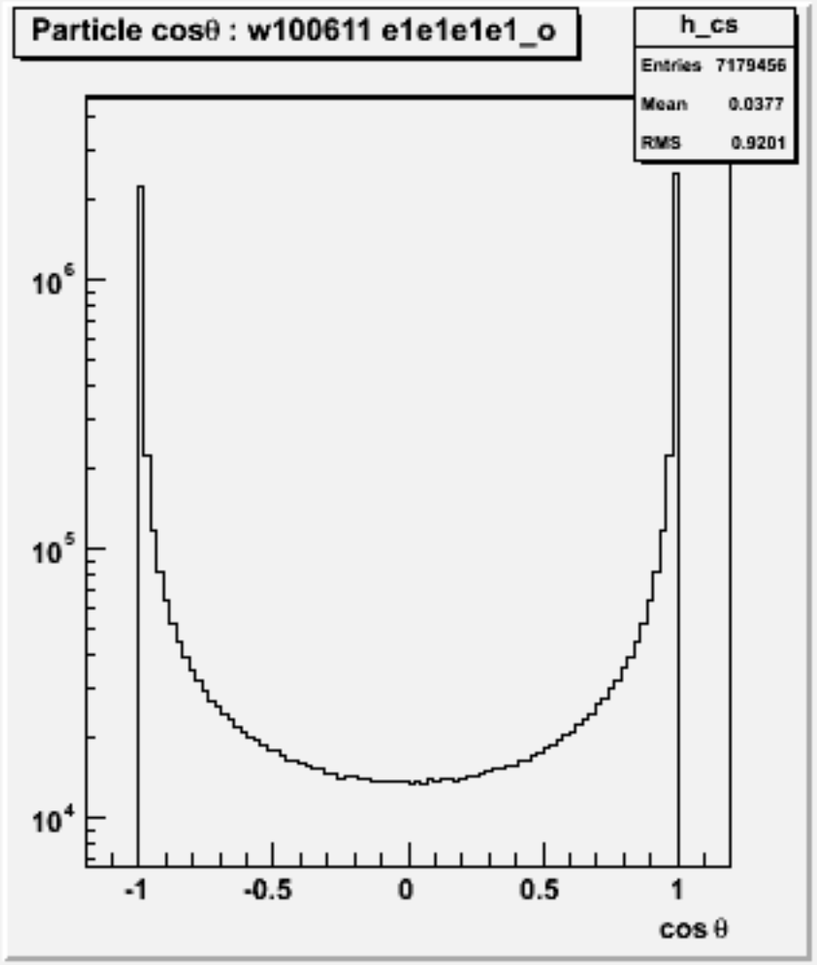

Jet cosθ (All jets)w100609 ccbb_o
ha_j0cs
Entries 155052
Mean 0.07829
RMS 0.7419
cos θ

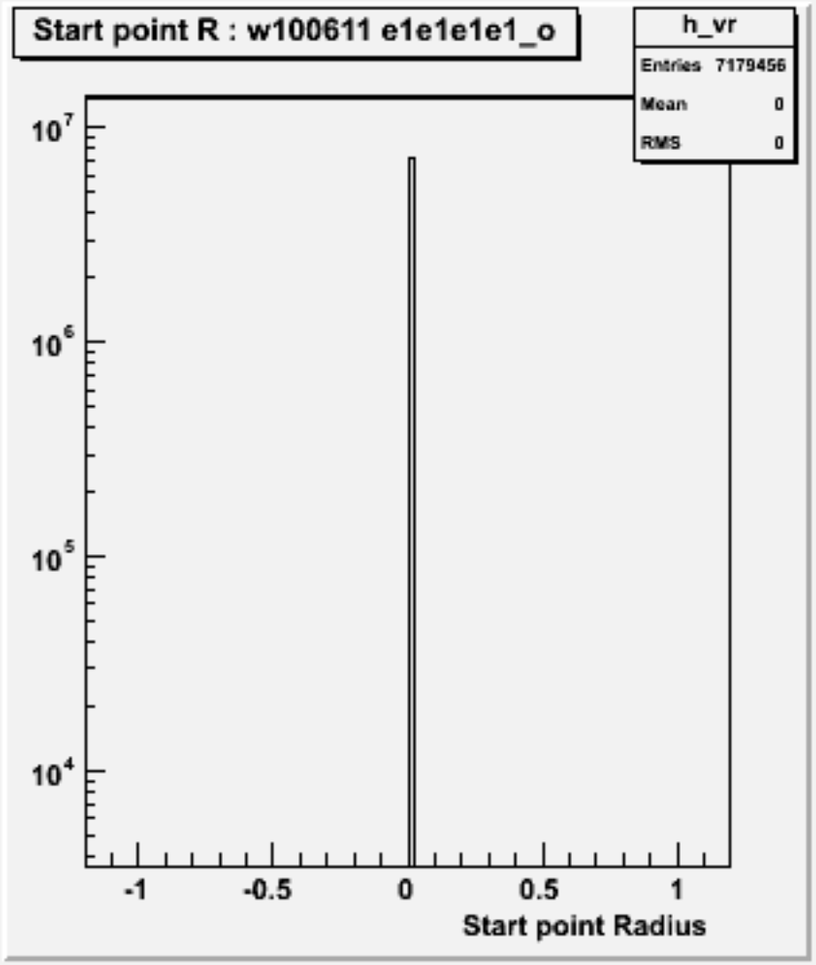

2jets mass(All comb)w100609 ccbb_o
ha_m01
Entries 232578
Mean 120.1
RMS 72.15
M(J_iJ_k) (GeV)

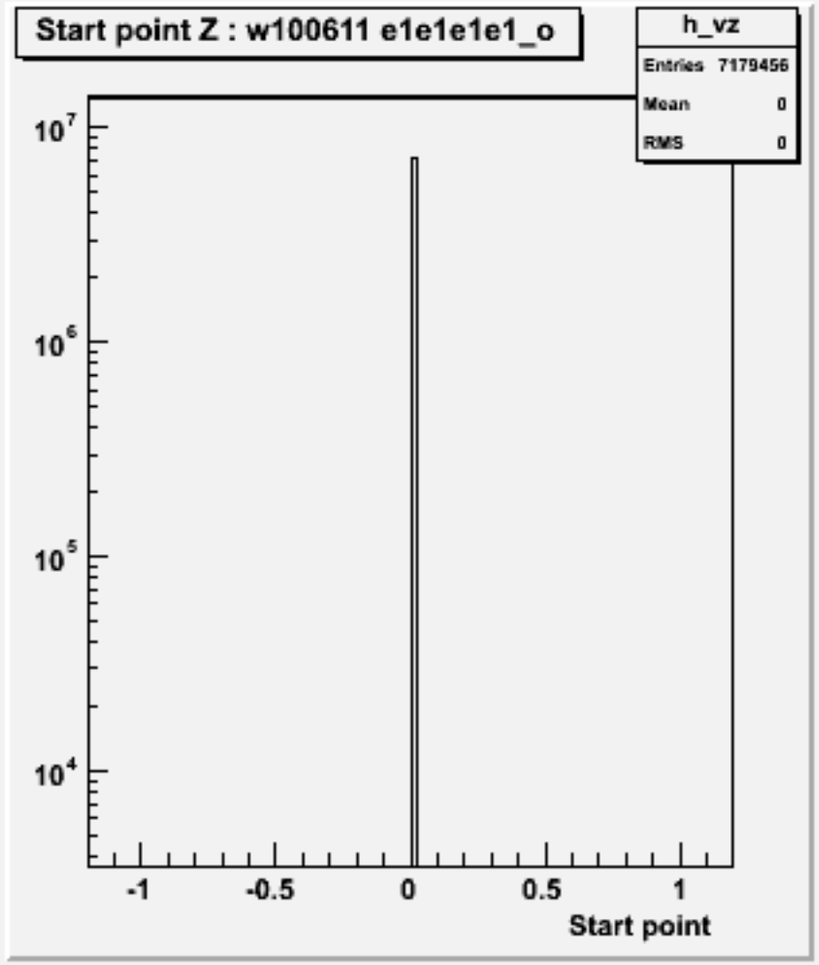

Particle ID : w100611 e1e1e1e1_o
h_id
Entries 7179456
Mean 7.333
RMS 13.72
Particle ID

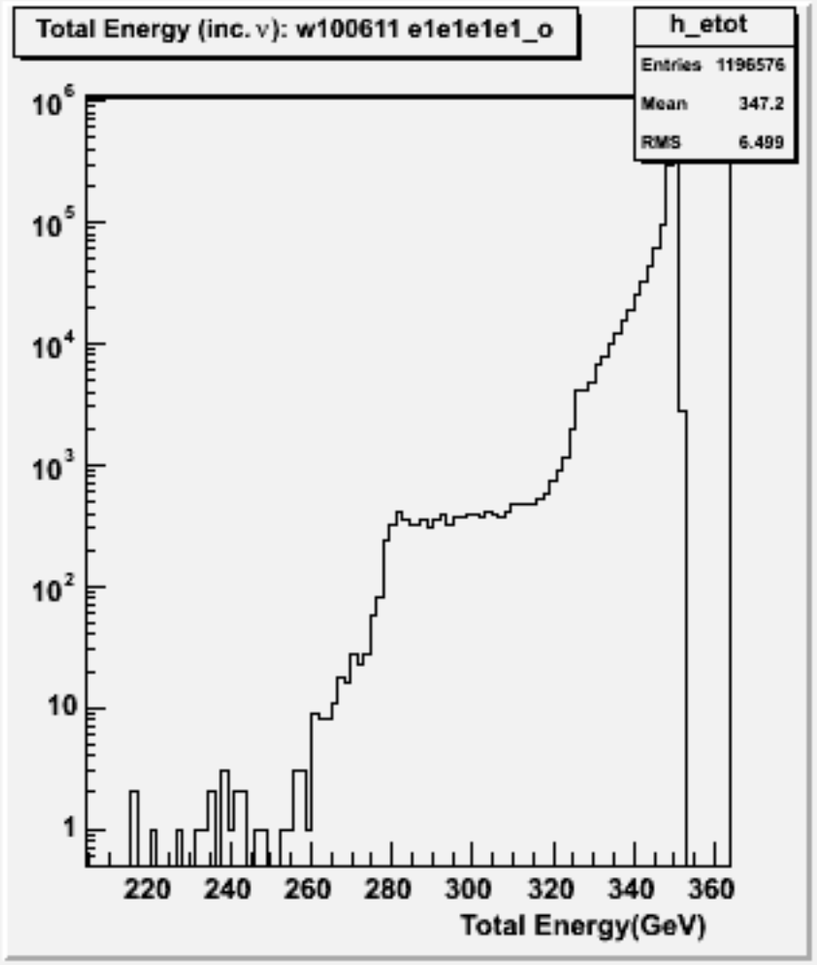

Particle Energy : w100611 e1e1e1e1_o
h_e
Entries 7179456
Mean 57.86
RMS 66.08
Energy(GeV)

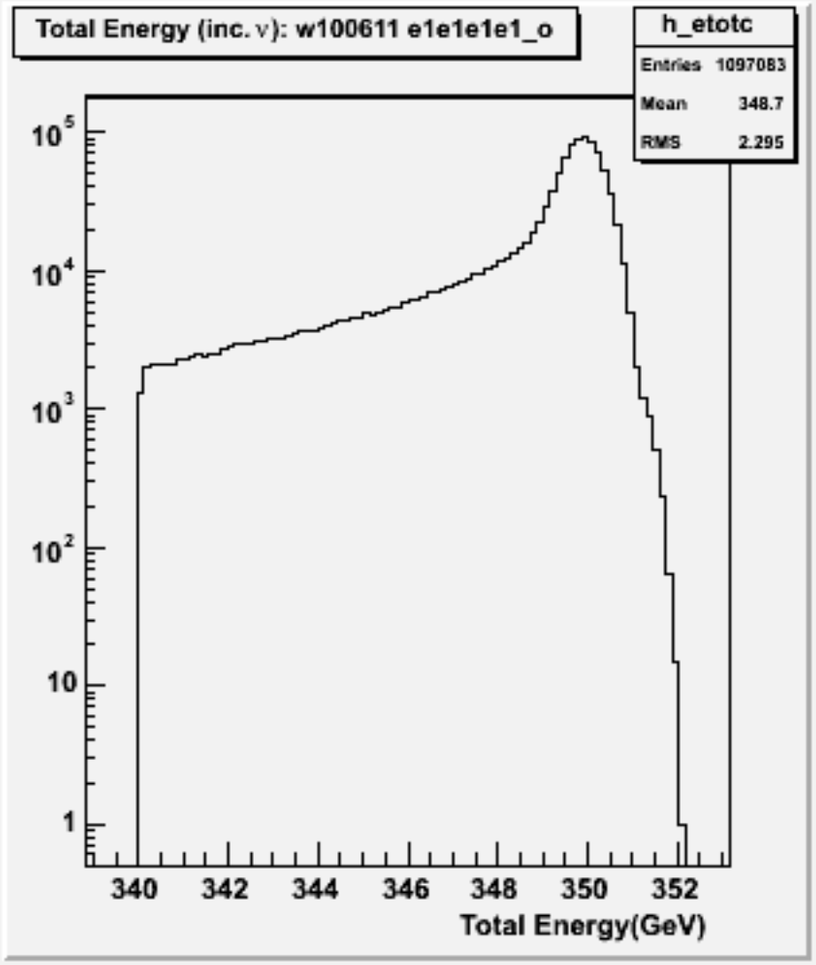

Particle Pt : w100611 e1e1e1e1_o
h_pt
Entries 7179456
Mean 6.595
RMS 9.708
Pt(GeV)

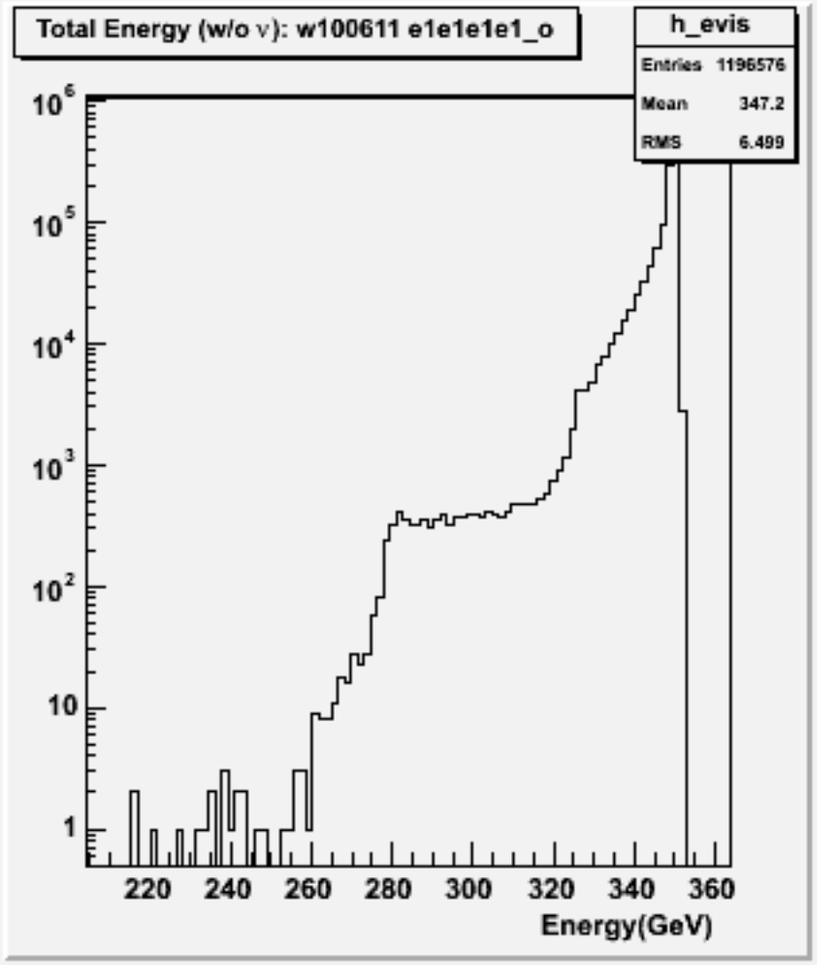

Particle cosθ : w100611 e1e1e1e1_o
h_cs
Entries 7179456
Mean 0.0377
RMS 0.9201
cos θ

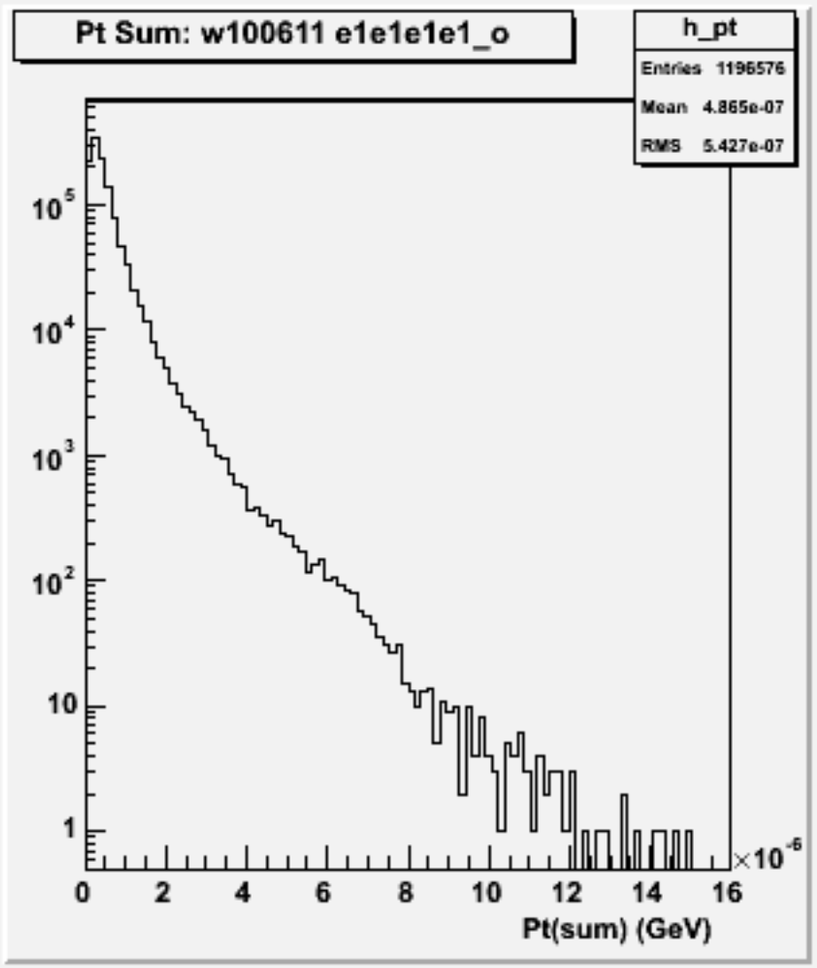

Start point R : w100611 e1e1e1e1_o
h_vr
Entries 7179456
Mean 0
RMS 0
Start point Radius

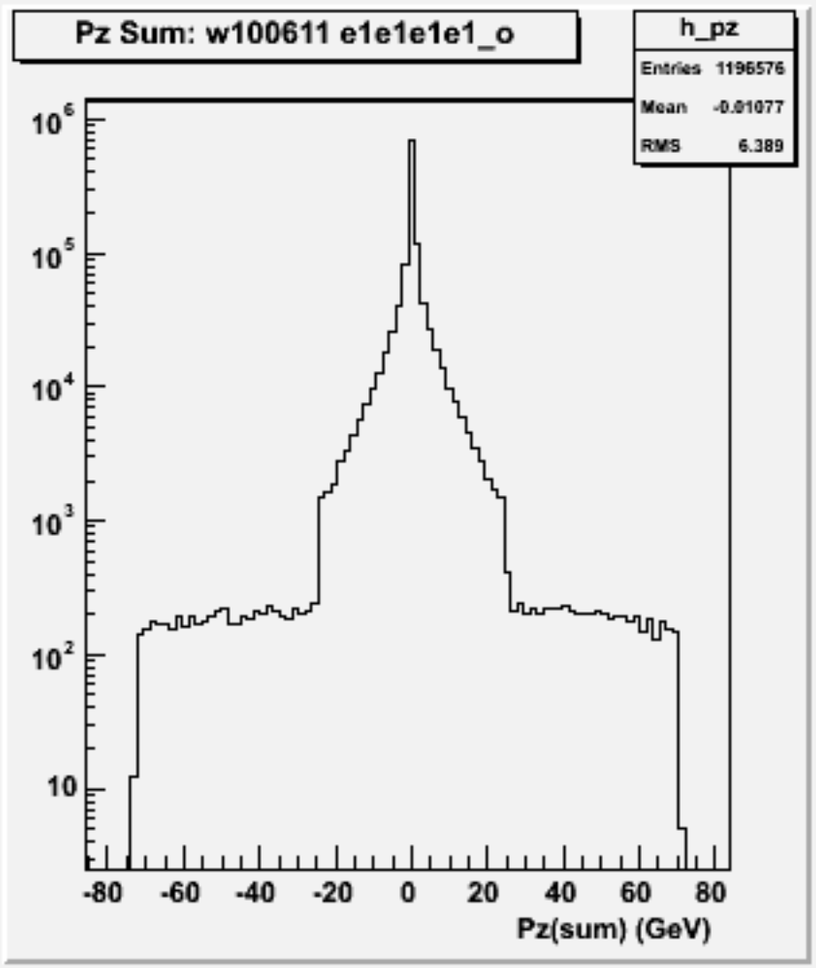

Start point Z : w100611 e1e1e1e1_o
h_vz
Entries 7179456
Mean 0
RMS 0
Start point

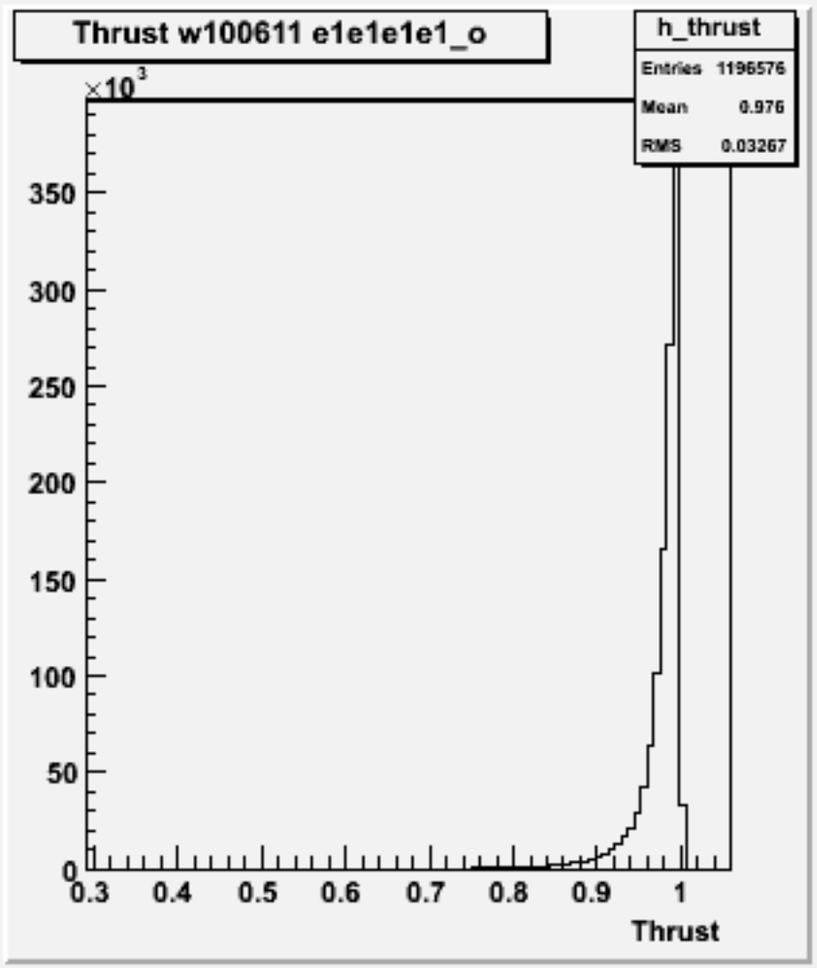

Total Energy (inc. ν): w100611 e1e1e1e1_o
h_etot
Entries 1196576
Mean 347.2
RMS 6.499
Total Energy(GeV)

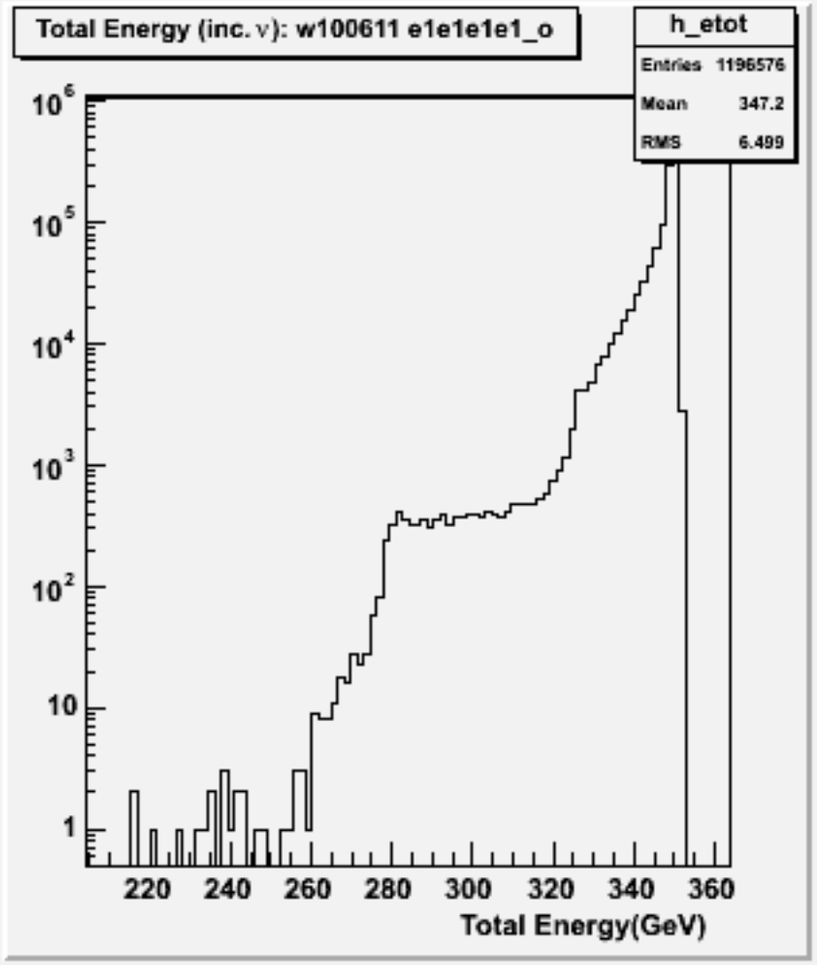

Total Energy (inc. ν): w100611 e1e1e1e1_o
h_etotc
Entries 1097083
Mean 348.7
RMS 2.295
Total Energy(GeV)

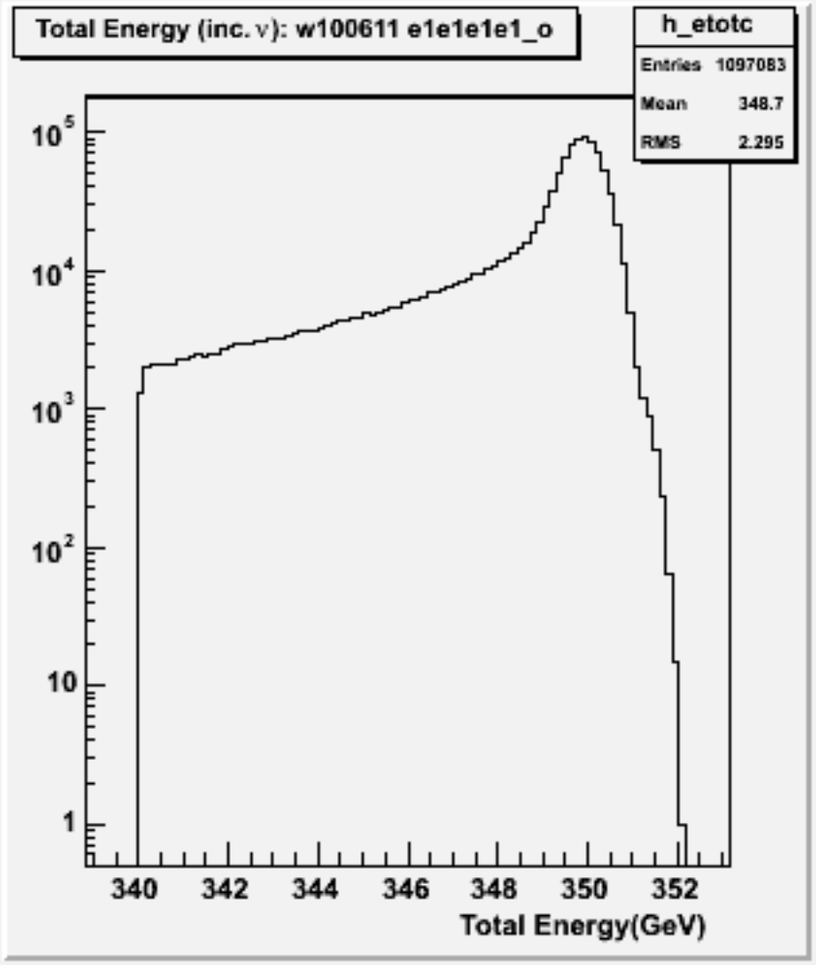

Total Energy (w/o ν): w100611 e1e1e1e1_o
h_evis
Entries 1196576
Mean 347.2
RMS 6.499
Energy(GeV)

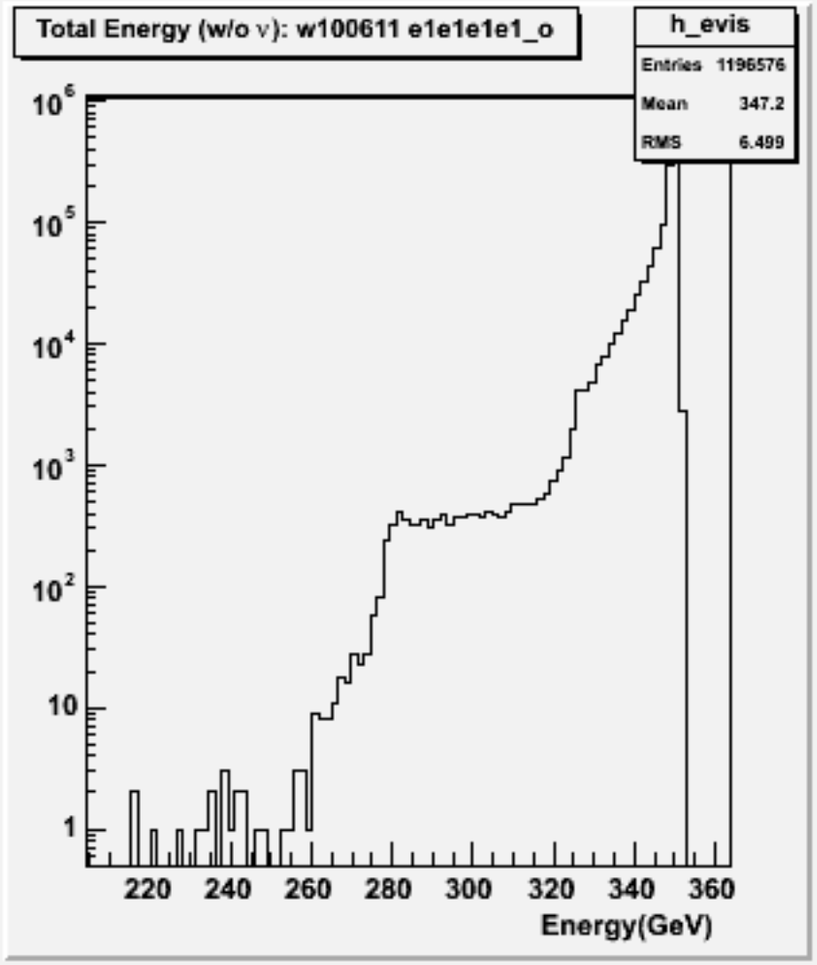

Pt Sum: w100611 e1e1e1e1_o
h_pt
Entries 1196576
Mean 4.865e-07
RMS 5.427e-07
Pt(sum) (GeV)

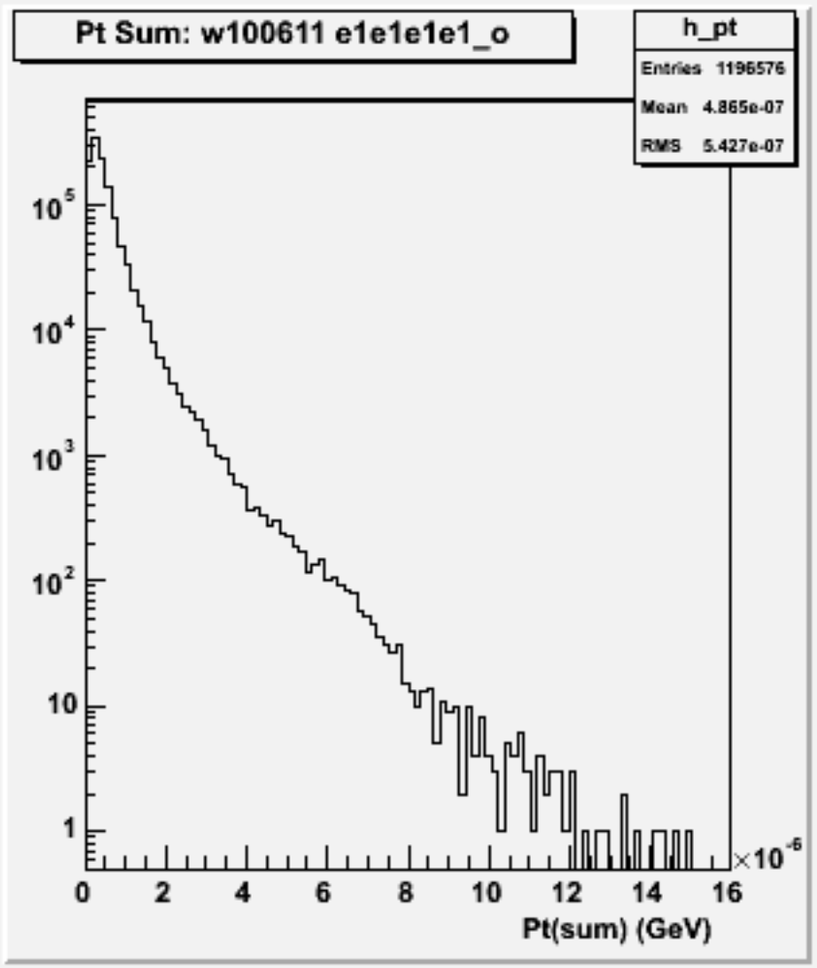

Pz Sum: w100611 e1e1e1e1_o
h_pz
Entries 1196576
Mean -0.01077
RMS 6.389
Pz(sum) (GeV)

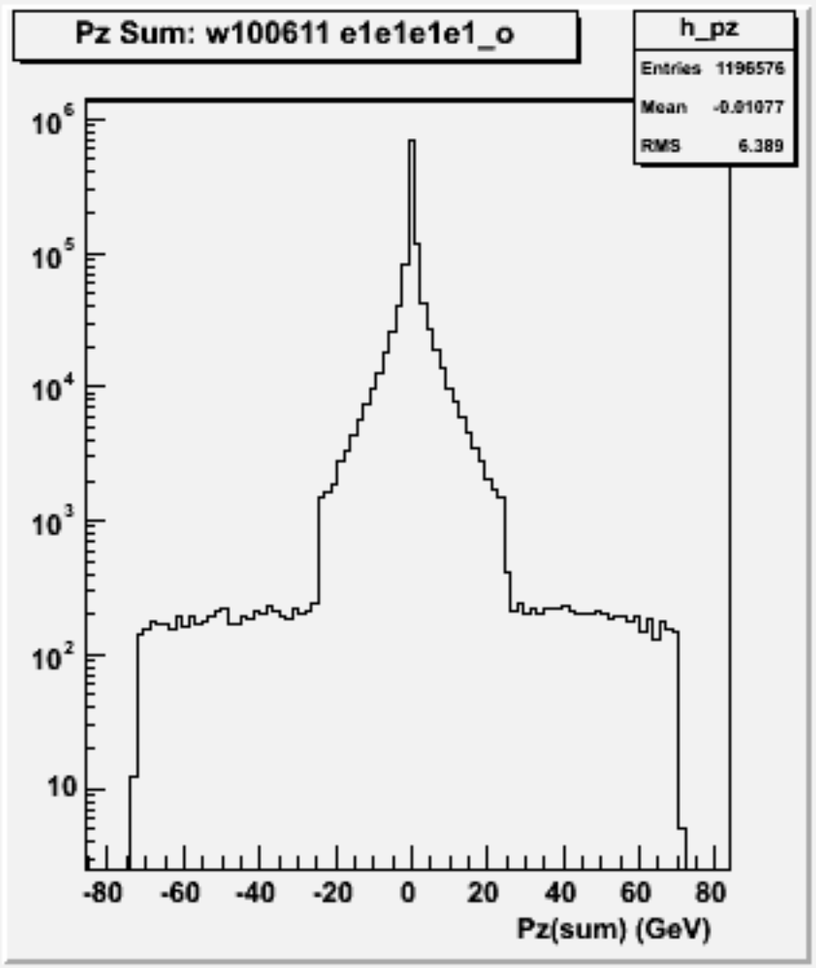

Thrust w100611 e1e1e1e1_o
h_thrust
Entries 1196576
Mean 0.976
RMS 0.03267
Thrust

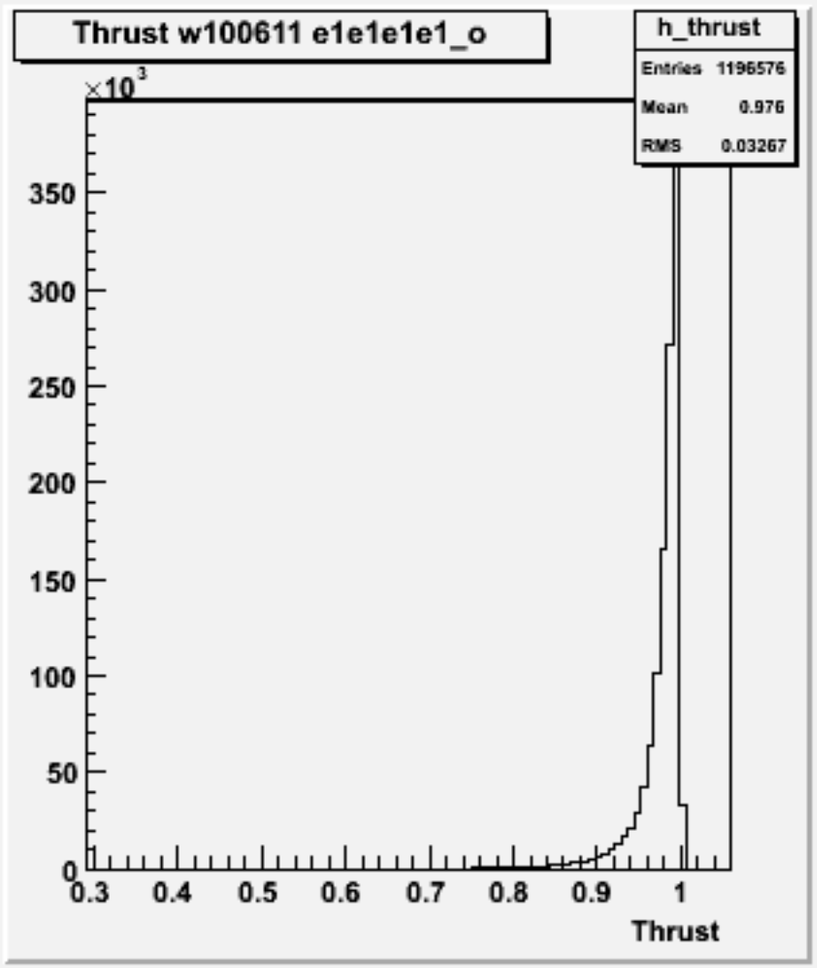

Total Energy (inc. ν): w100611 e1e1e1e1_o
h_etot
Entries 1196576
Mean 347.2
RMS 6.499
Total Energy(GeV)

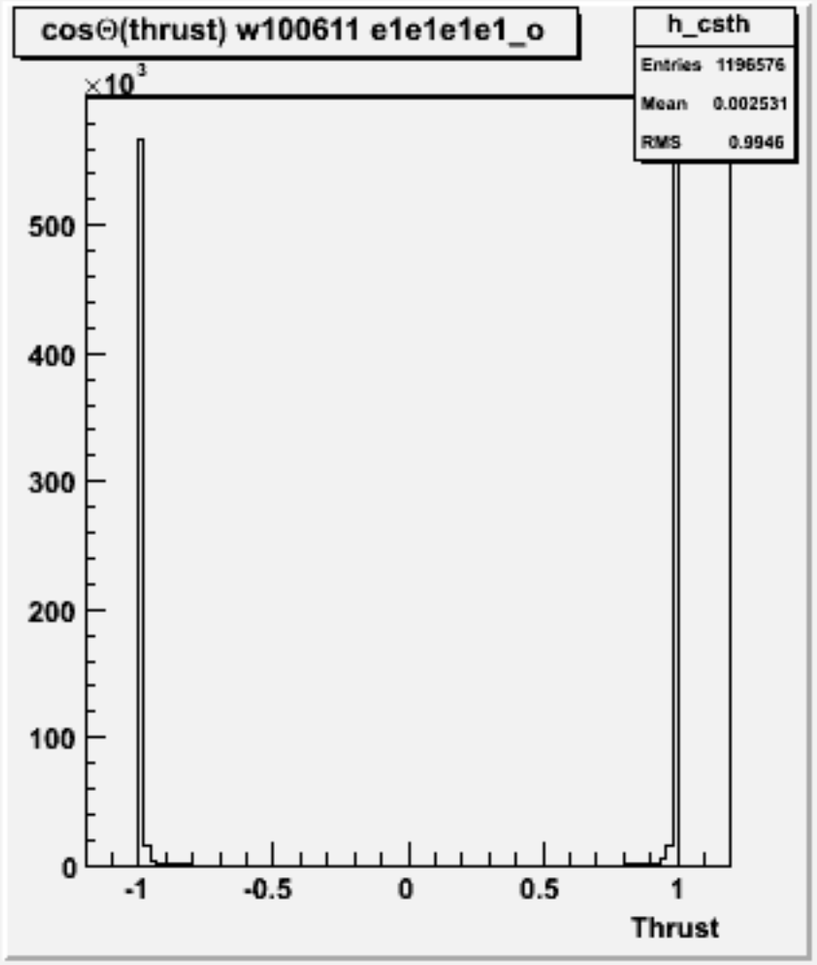

Total Energy (inc. ν): w100611 e1e1e1e1_o
h_etotc
Entries 1097083
Mean 348.7
RMS 2.295
Total Energy(GeV)

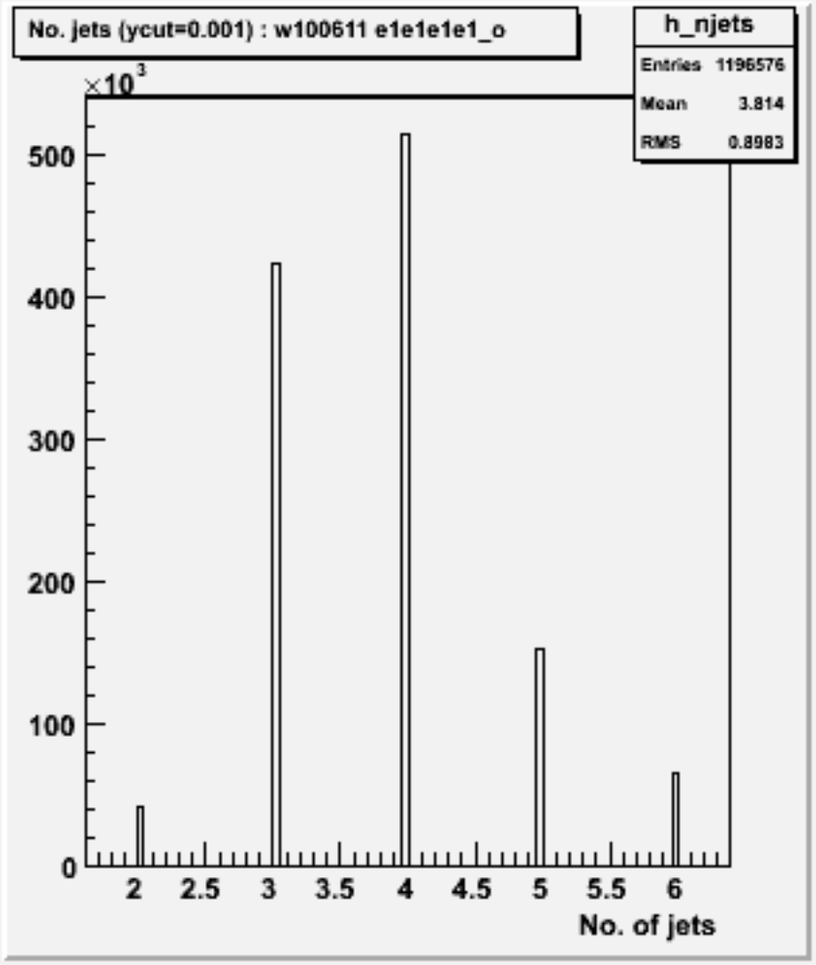

Total Energy (w/o ν): w100611 e1e1e1e1_o
h_evis
Entries 1196576
Mean 347.2
RMS 6.499
Energy(GeV)

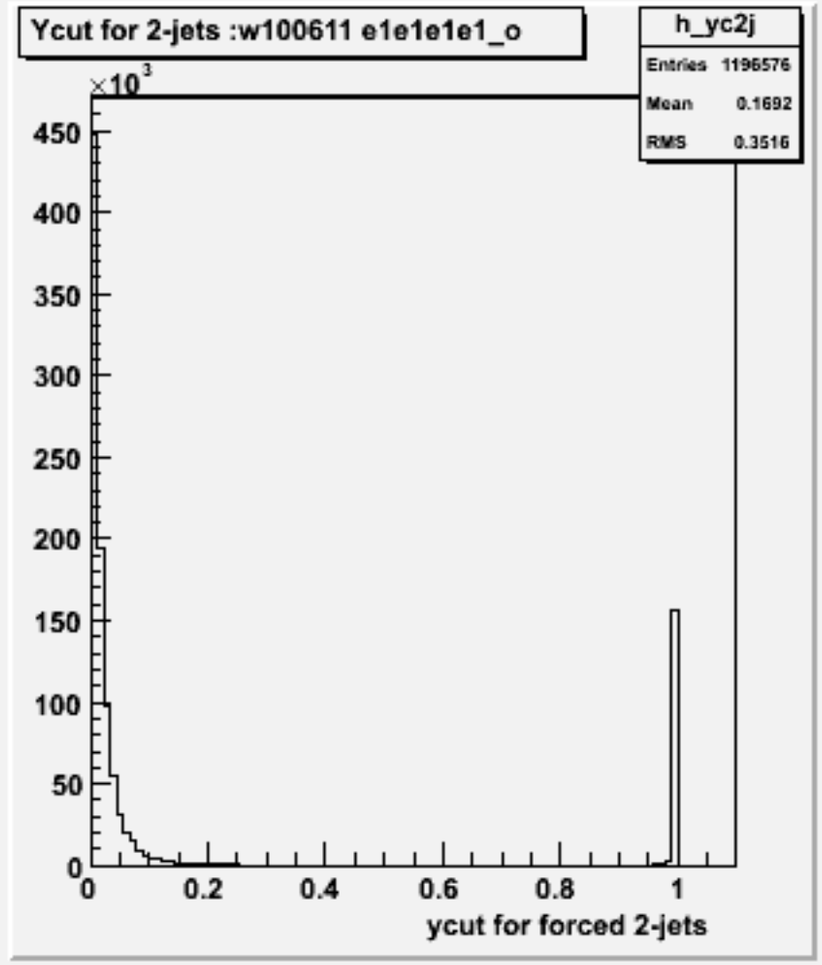

Pt Sum: w100611 e1e1e1e1_o
h_pt
Entries 1196576
Mean 4.865e-07
RMS 5.427e-07
Pt(sum) (GeV)

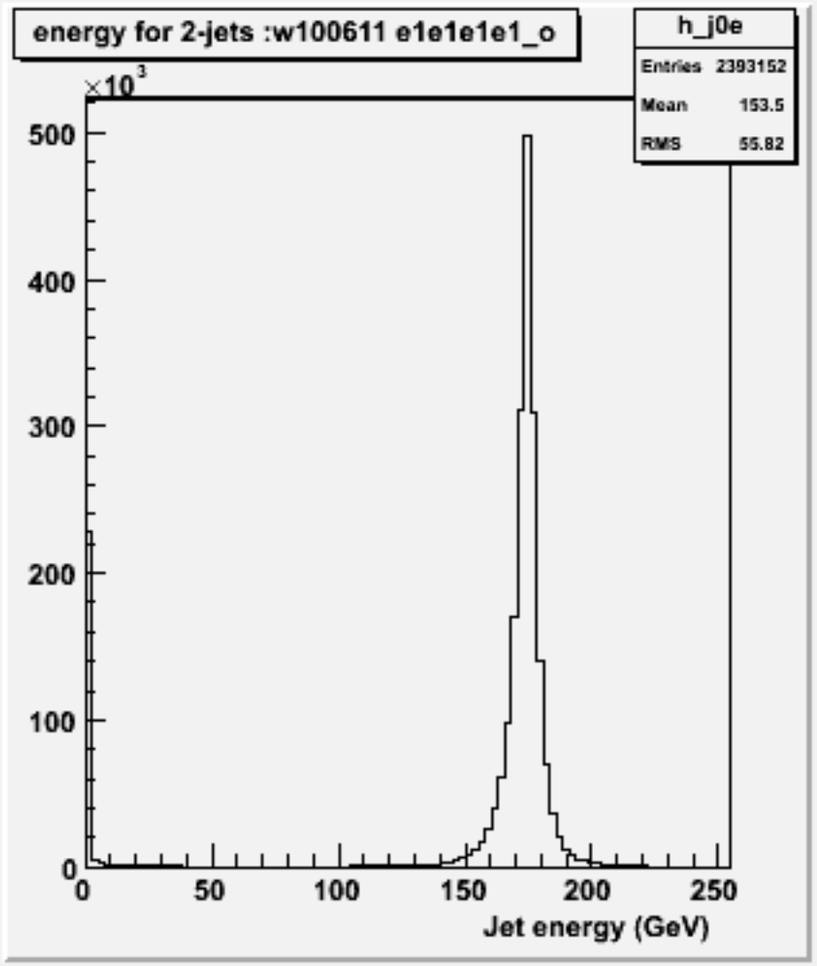

Pz Sum: w100611 e1e1e1e1_o
h_pz
Entries 1196576
Mean -0.01077
RMS 6.389
Pz(sum) (GeV)

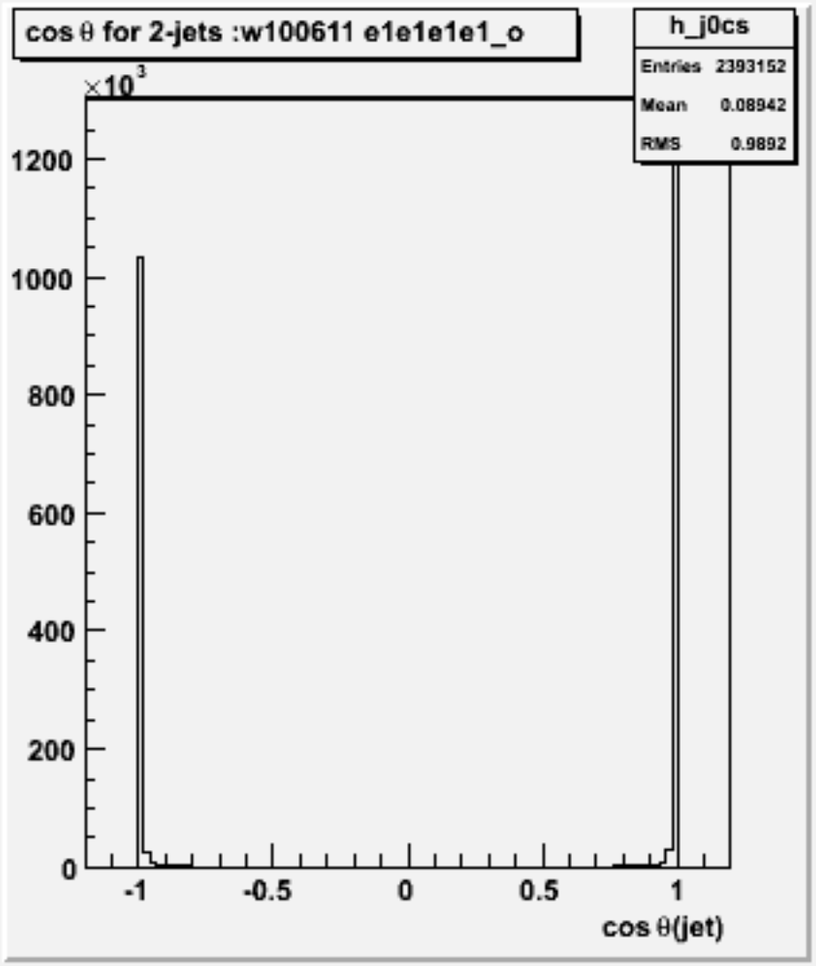

Thrust w100611 e1e1e1e1_o
h_thrust
Entries 1196576
Mean 0.976
RMS 0.03267
Thrust

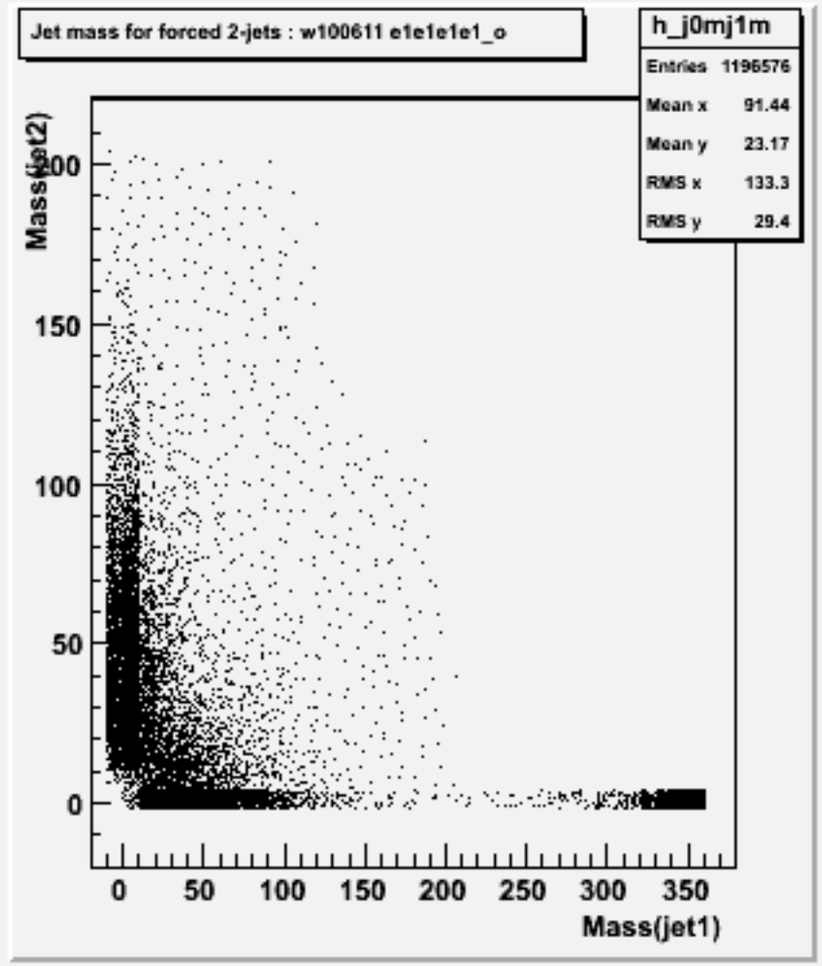

cosΘ(thrust) w100611 e1e1e1e1_o
h_csth
Entries 1196576
Mean 0.002531
RMS 0.9946
×10^3
Thrust

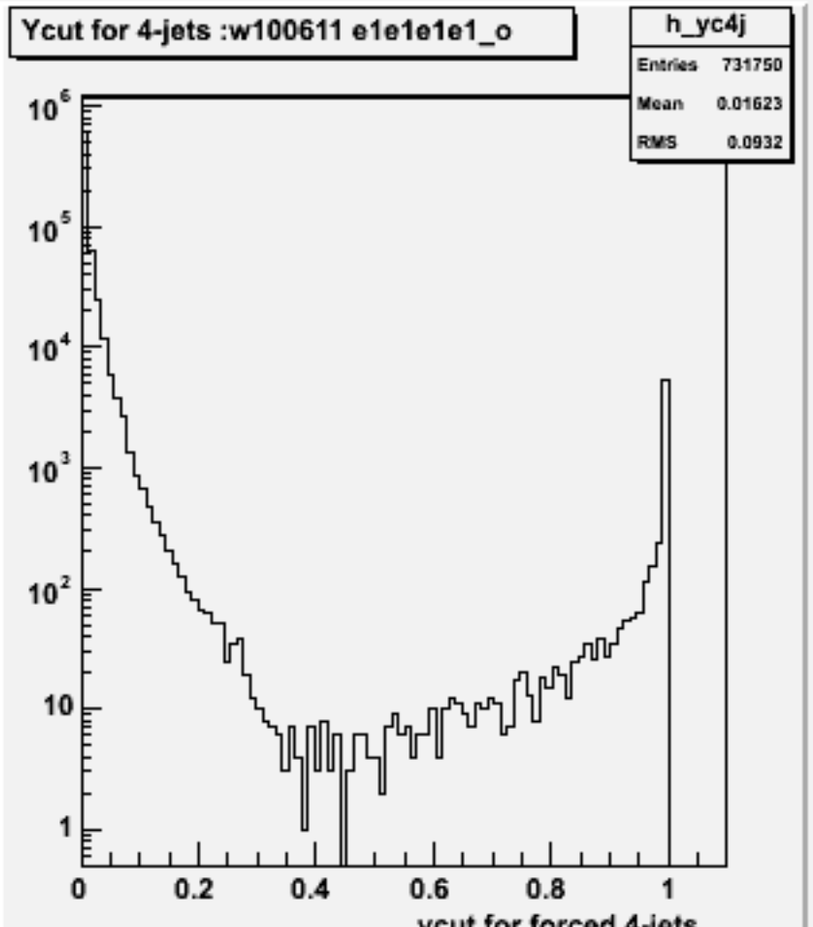

No. jets (ycut=0.001) : w100611 e1e1e1e1_o
h_njets
Entries 1196576
Mean 3.814
RMS 0.8983
×10^3
No. of jets

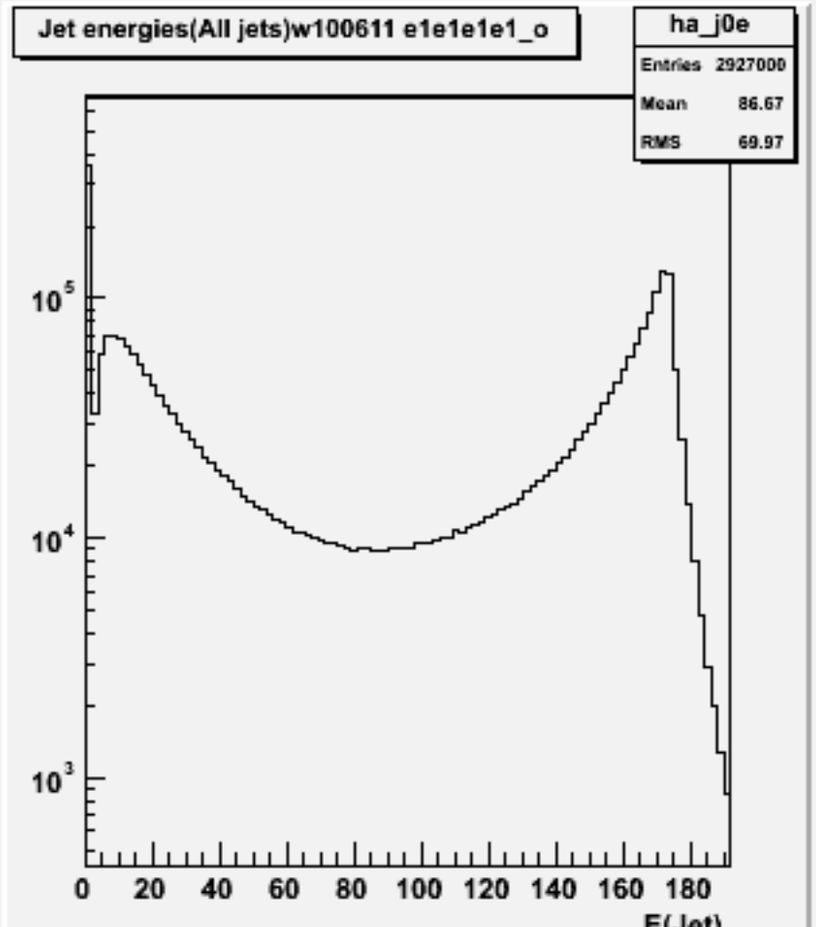

Ycut for 2-jets :w100611 e1e1e1e1_o
h_yc2j
Entries 1196576
Mean 0.1692
RMS 0.3516
×10^3
ycut for forced 2-jets

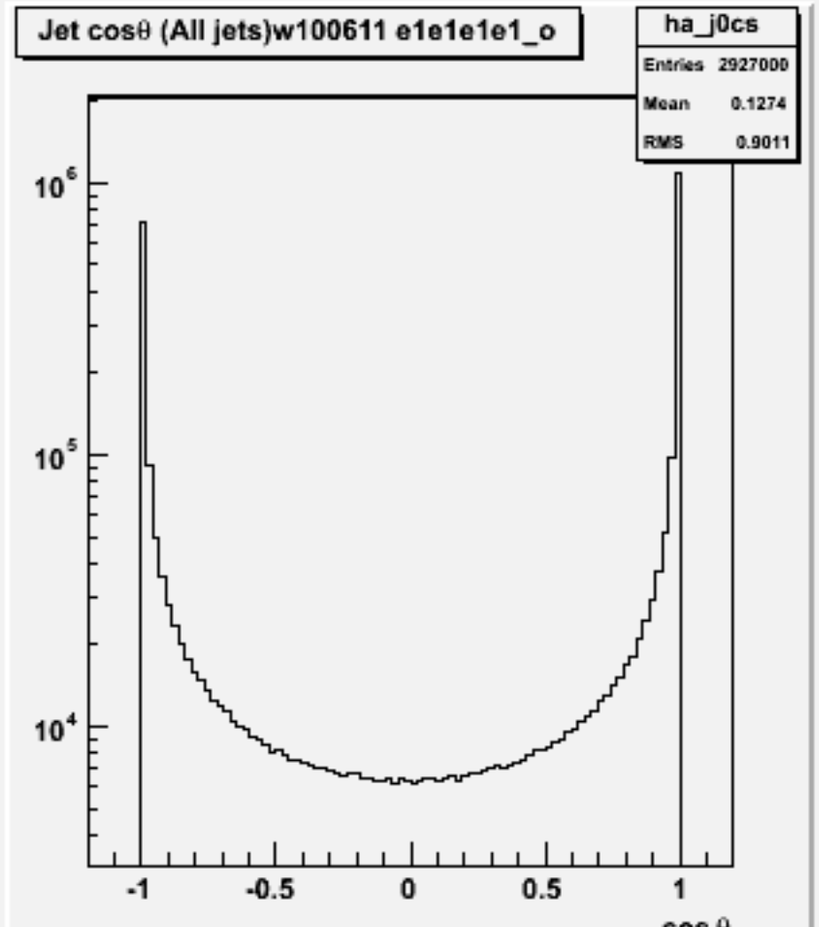

energy for 2-jets :w100611 e1e1e1e1_o
h_j0e
Entries 2393152
Mean 153.5
RMS 55.82
×10^3
Jet energy (GeV)

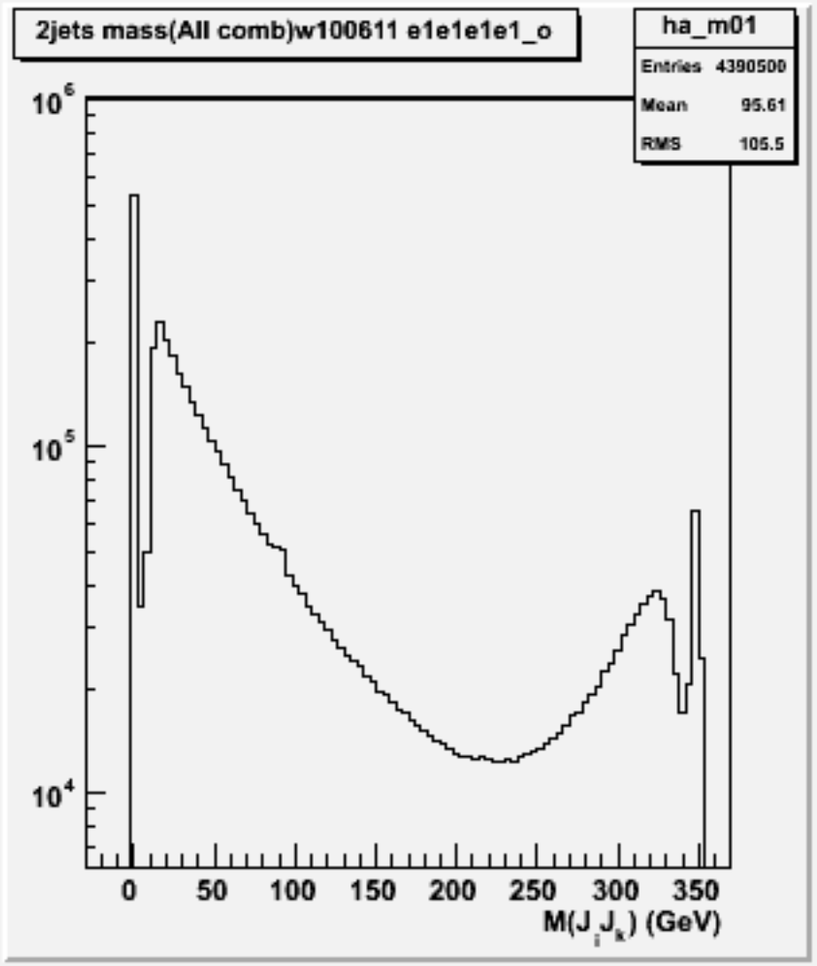

cos θ for 2-jets :w100611 e1e1e1e1_o
h_j0cs
Entries 2393152
Mean 0.08942
RMS 0.9892
×10^3
cos θ(jet)

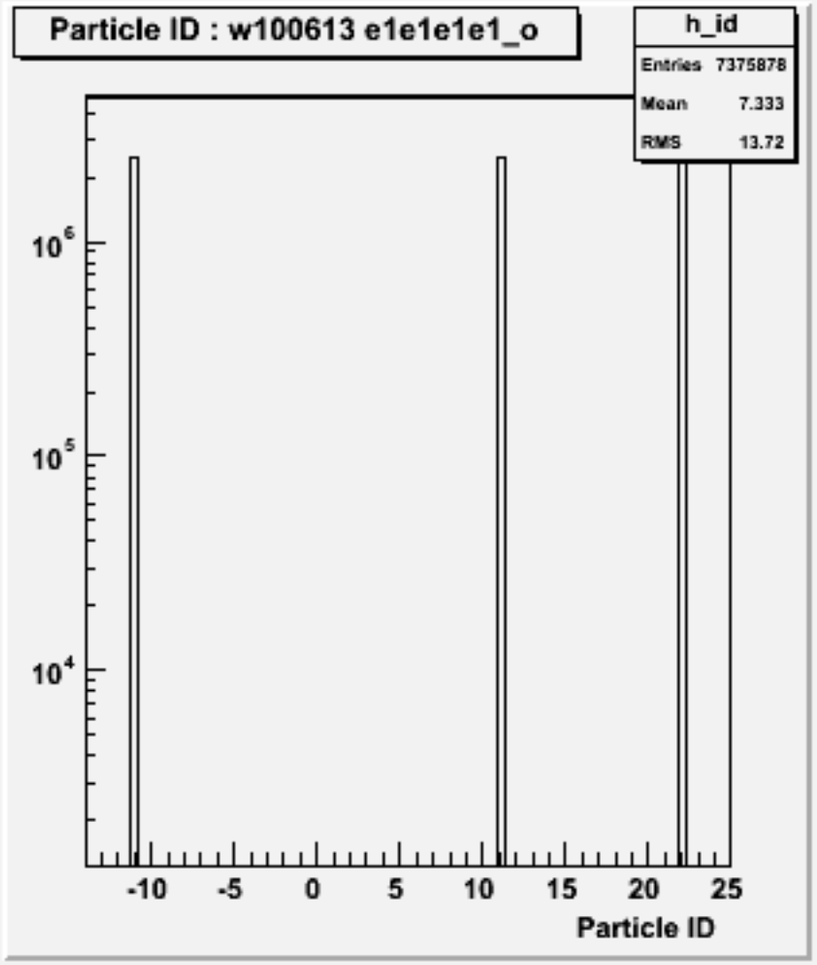

Jet mass for forced 2-jets : w100611 e1e1e1e1_o
h_j0mj1m
Entries 1196576
Mean x 91.44
Mean y 23.17
RMS x 133.3
RMS y 29.4
Mass(jet2)
Mass(jet1)

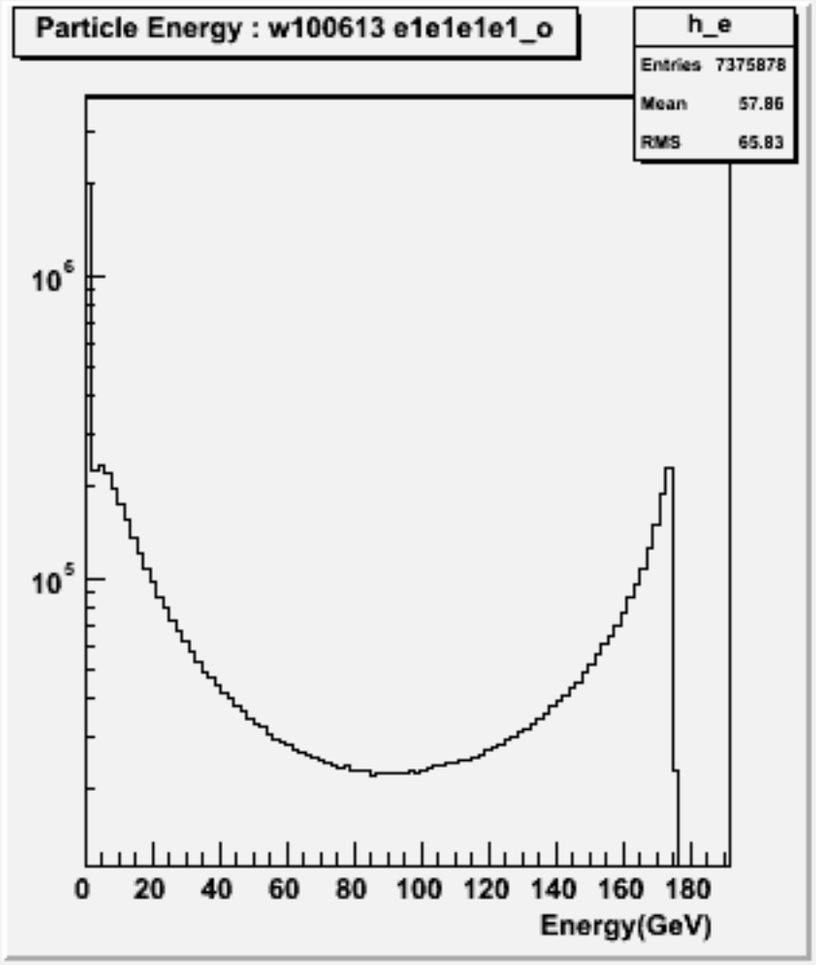

Ycut for 4-jets :w100611 e1e1e1e1_o
h_yc4j
Entries 731750
Mean 0.01623
RMS 0.0932
ycut for forced 4-jets

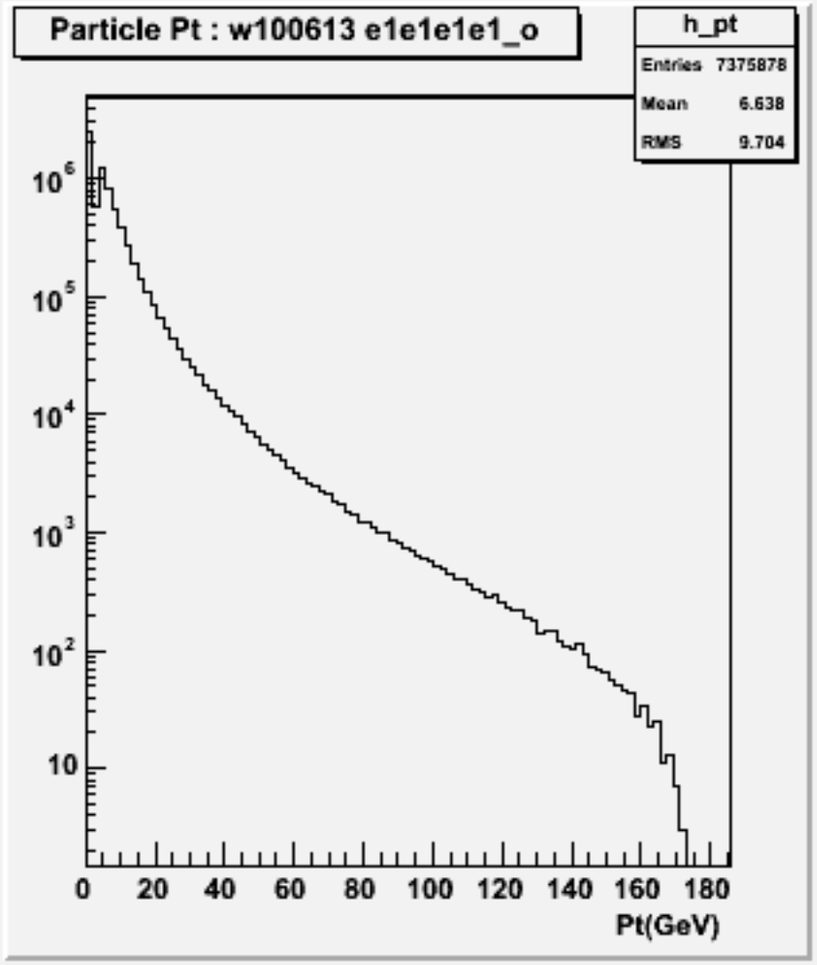

Jet energies(All jets)w100611 e1e1e1e1_o
ha_j0e
Entries 2927000
Mean 86.67
RMS 69.97
E(Jet)

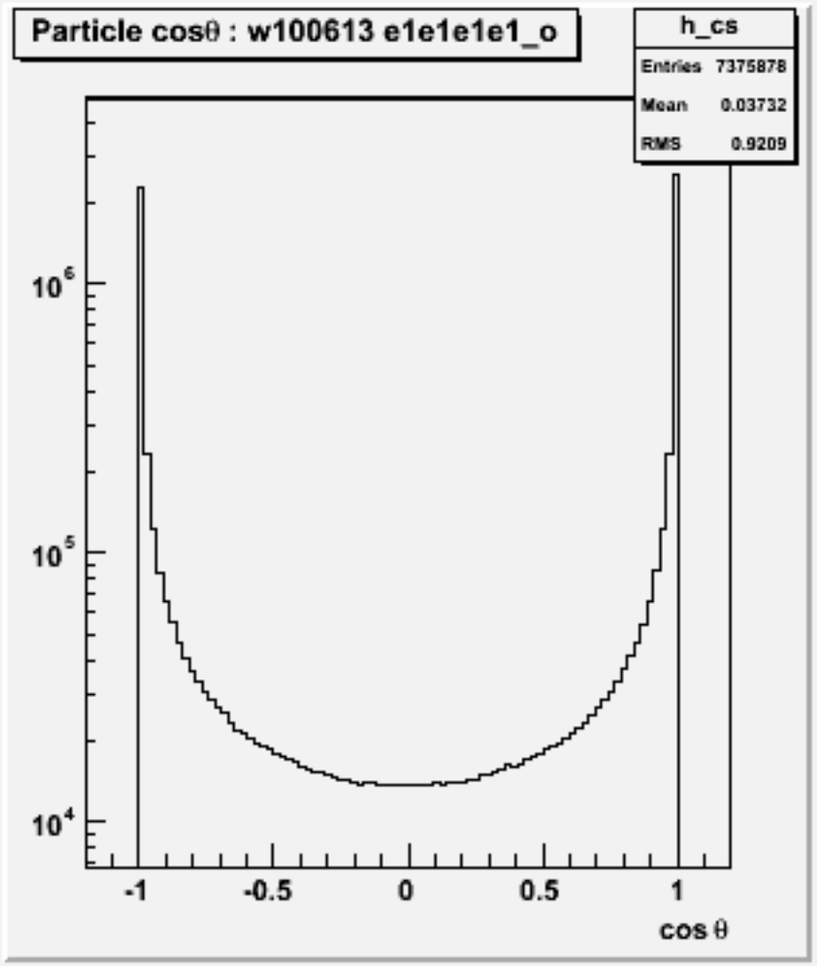

Jet cosθ (All jets)w100611 e1e1e1e1_o
ha_j0cs
Entries 2927000
Mean 0.1274
RMS 0.9011
cos θ

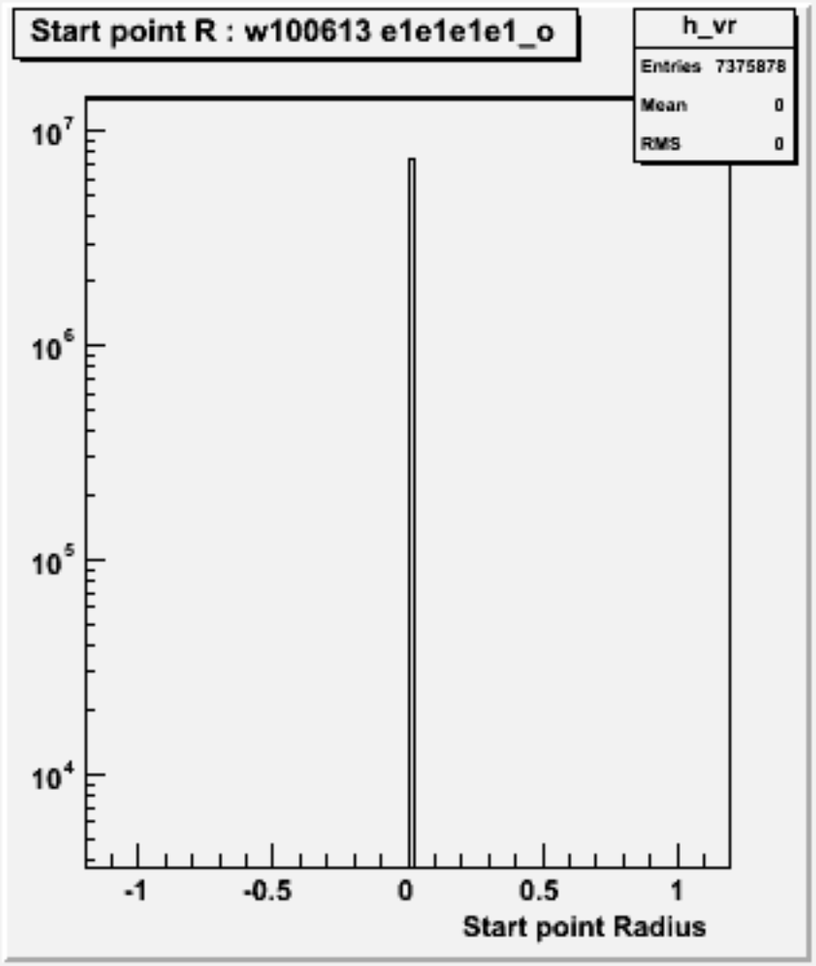

2jets mass(All comb)w100611 e1e1e1e1_o
ha_m01
Entries 4390500
Mean 95.61
RMS 105.5
M(J_iJ_k) (GeV)

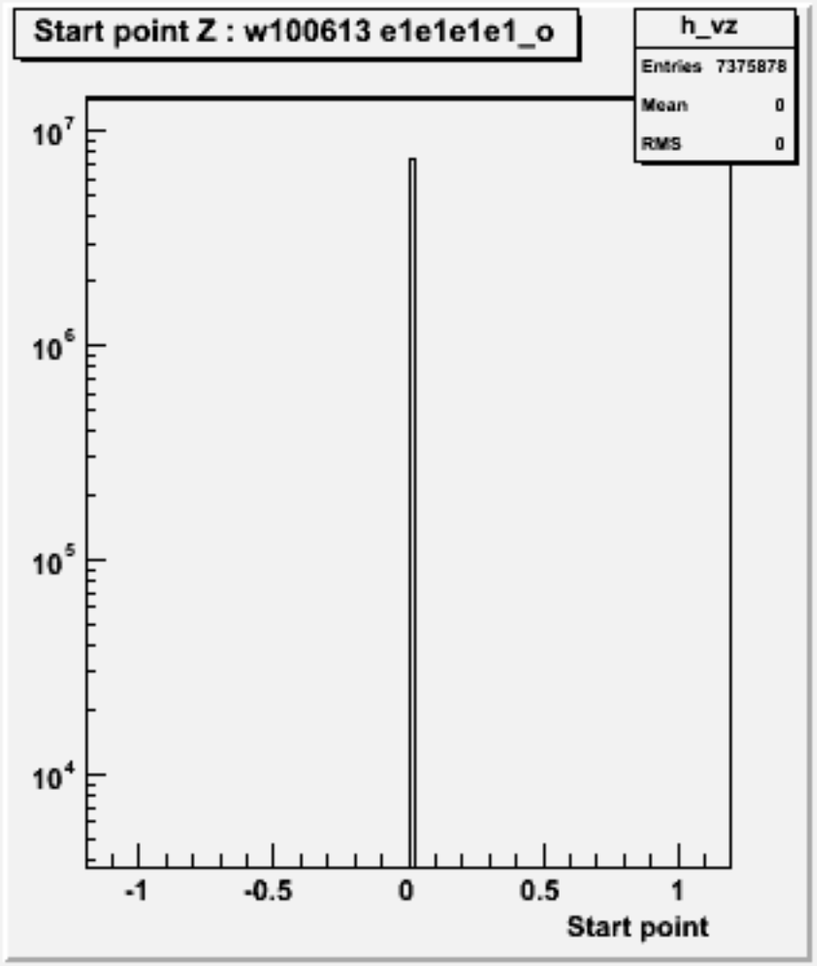

Particle ID : w100613 e1e1e1e1_o
h_id
Entries 7375878
Mean 7.333
RMS 13.72
Particle ID

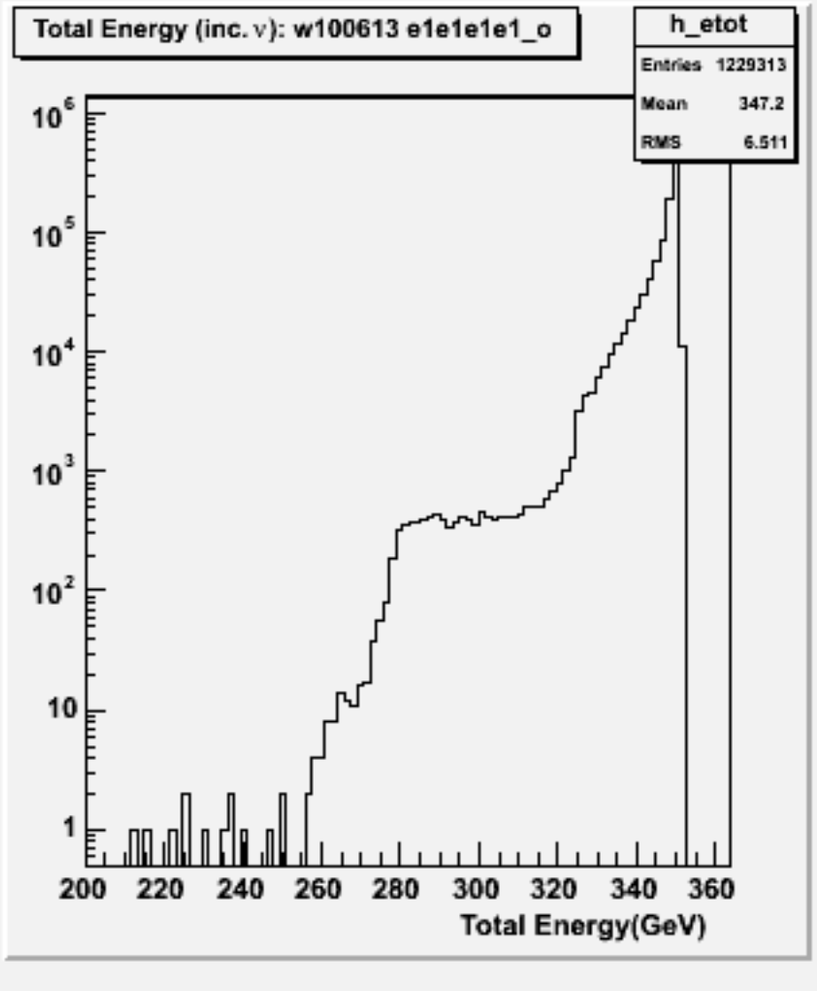

Particle Energy : w100613 e1e1e1e1_o
h_e
Entries 7375878
Mean 57.86
RMS 65.83
Energy(GeV)

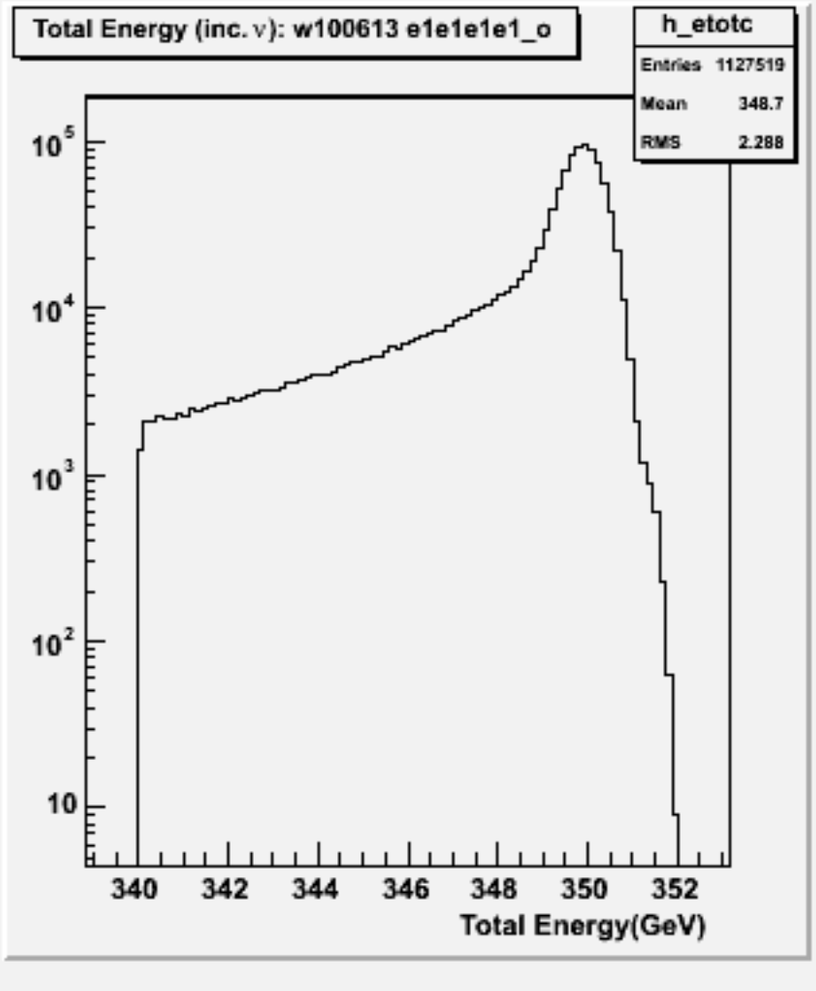

Particle Pt : w100613 e1e1e1e1_o
h_pt
Entries 7375878
Mean 6.638
RMS 9.704
Pt(GeV)

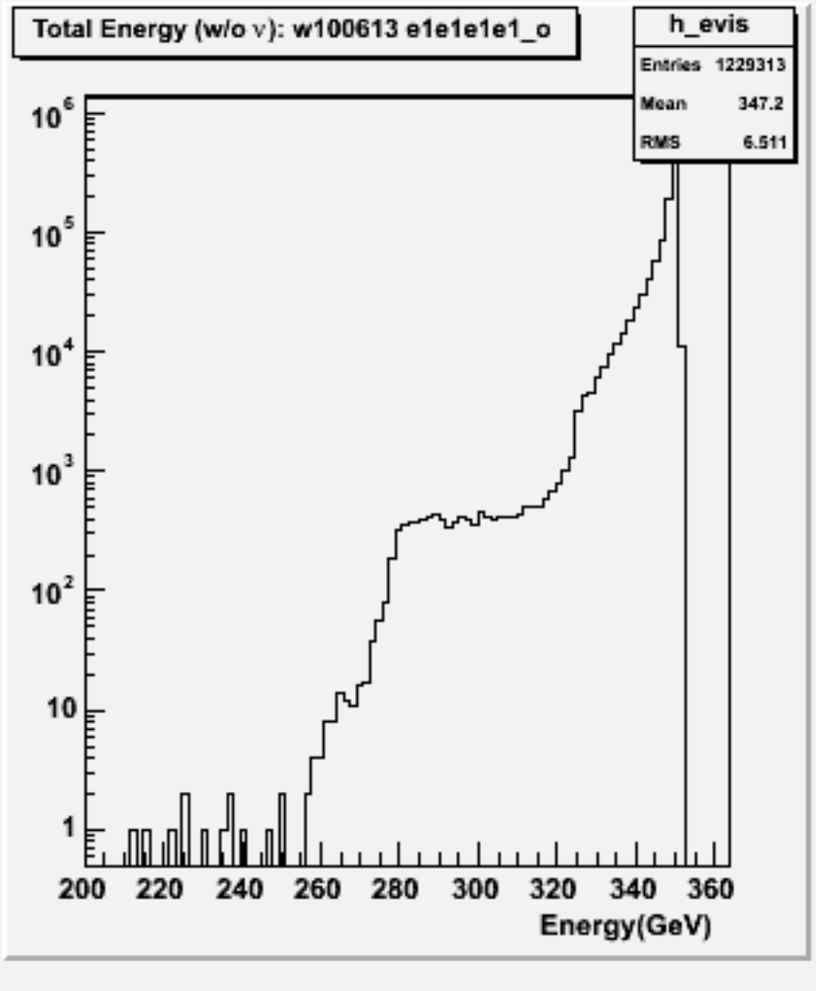

Particle cosθ : w100613 e1e1e1e1_o
h_cs
Entries 7375878
Mean 0.03732
RMS 0.9209
cos θ

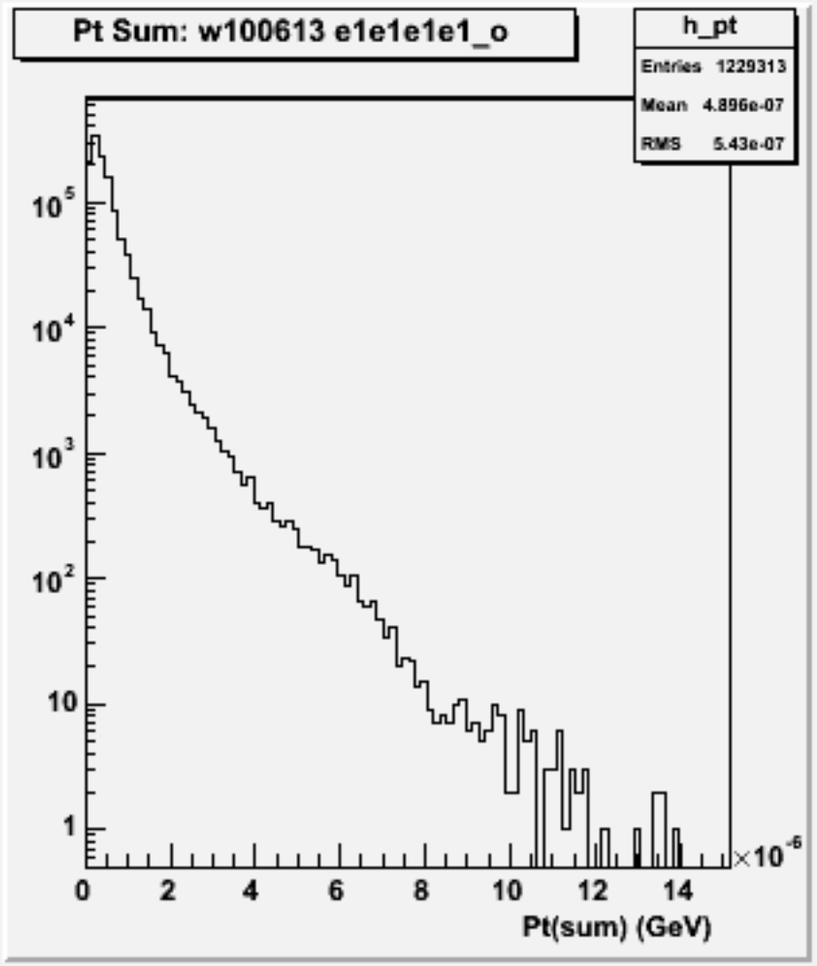

Start point R : w100613 e1e1e1e1_o
h_vr
Entries 7375878
Mean 0
RMS 0
Start point Radius

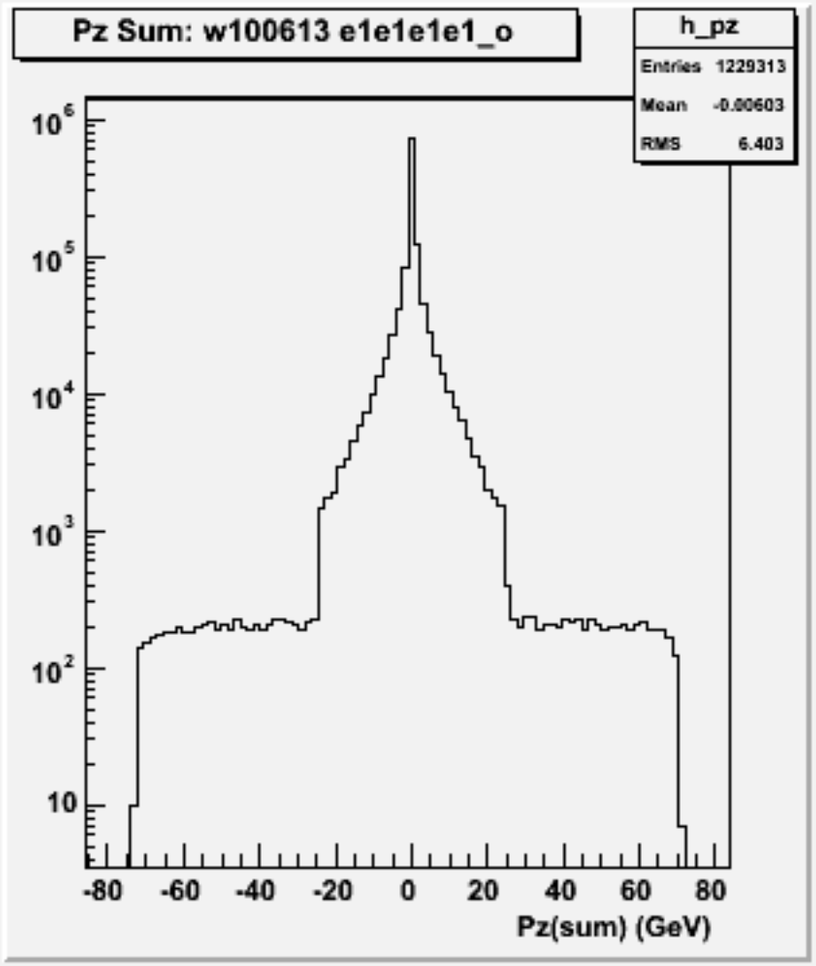

Start point Z : w100613 e1e1e1e1_o
h_vz
Entries 7375878
Mean 0
RMS 0
Start point

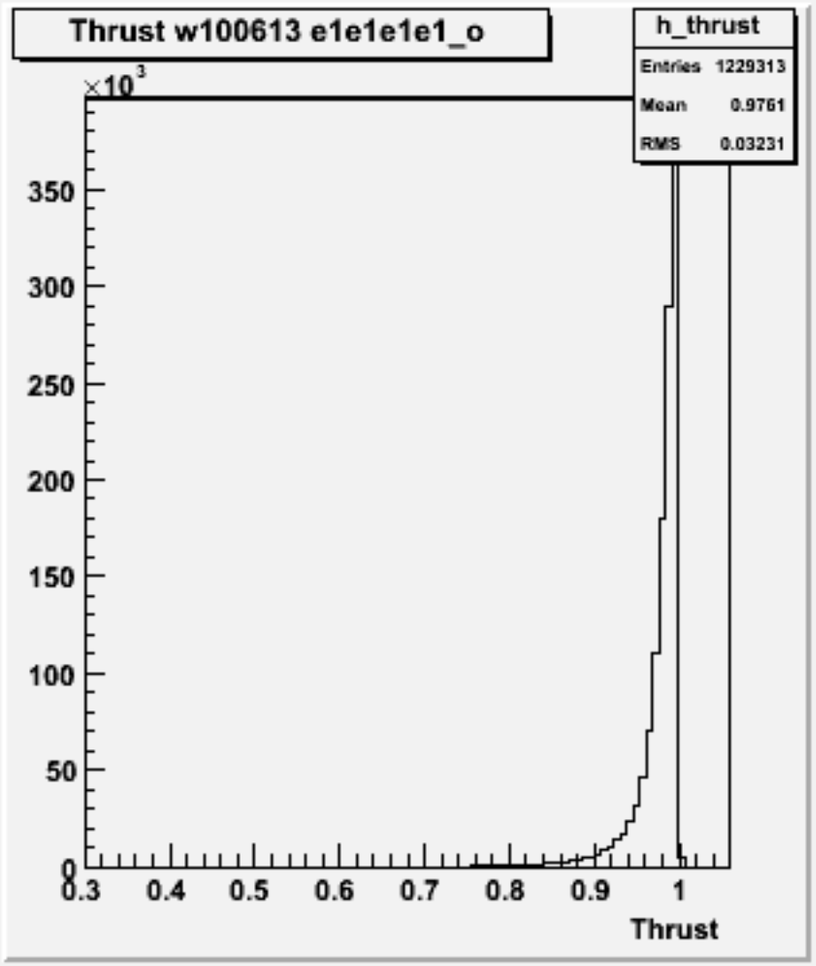

Total Energy (inc. ν): w100613 e1e1e1e1_o
h_etot
Entries 1229313
Mean 347.2
RMS 6.511
Total Energy(GeV)

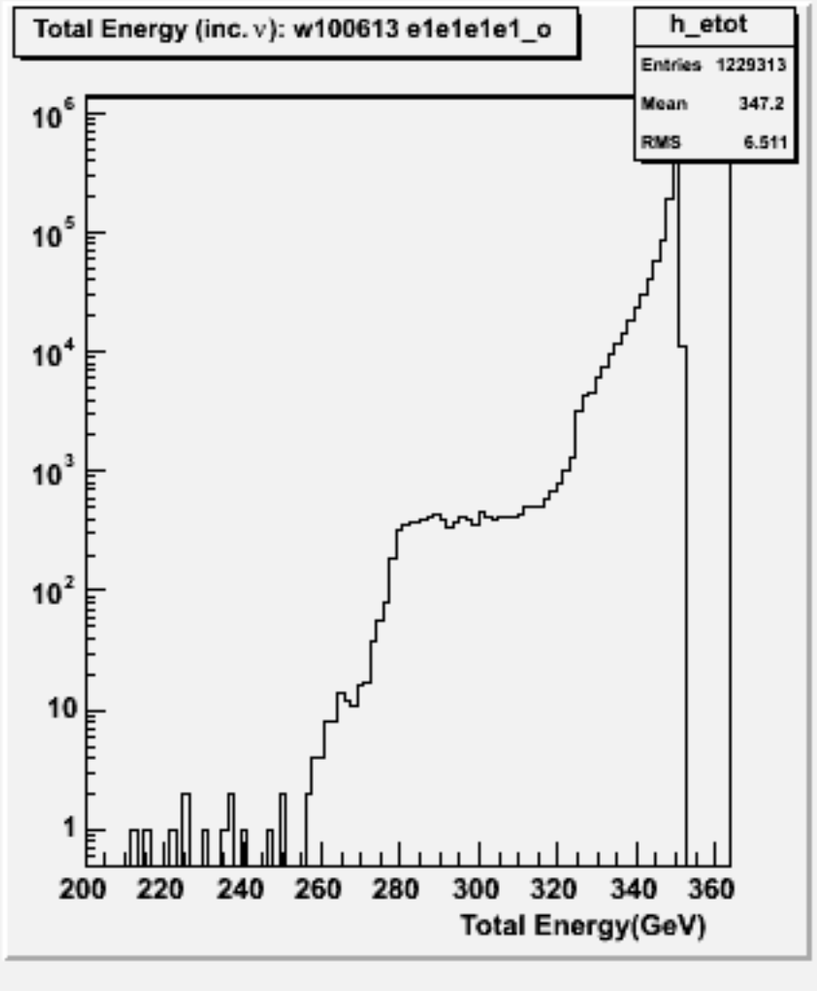

Total Energy (inc. ν): w100613 e1e1e1e1_o
h_etotc
Entries 1127519
Mean 348.7
RMS 2.288
Total Energy(GeV)

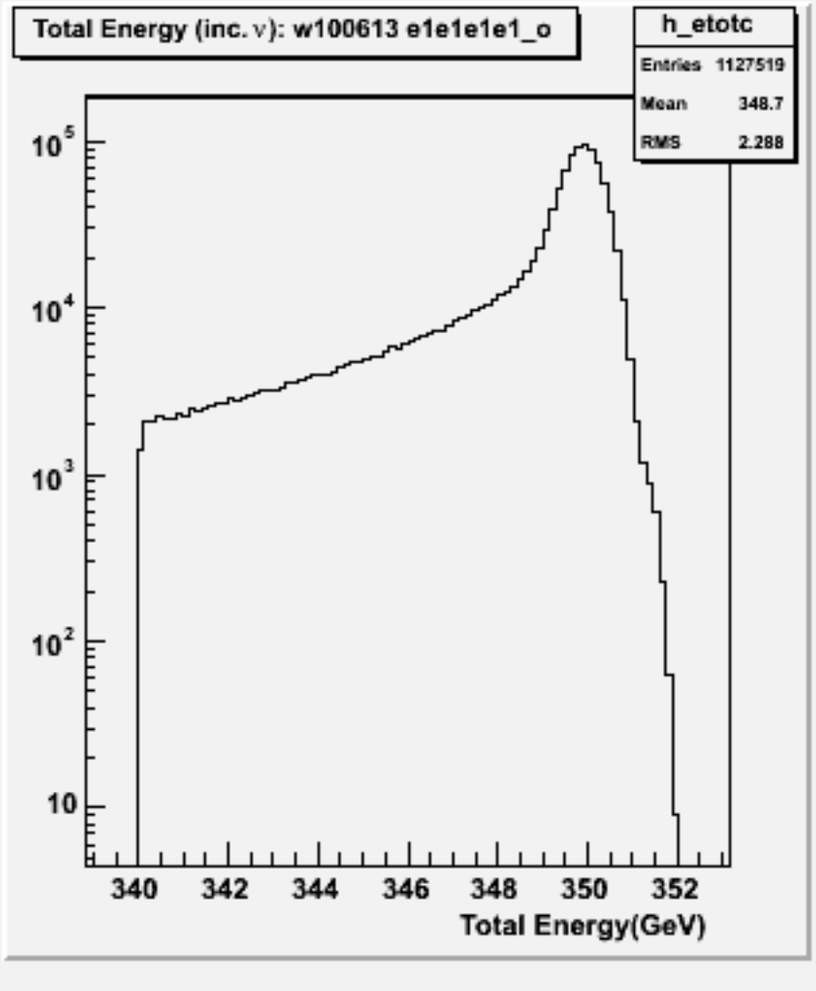

Total Energy (w/o ν): w100613 e1e1e1e1_o
h_evis
Entries 1229313
Mean 347.2
RMS 6.511
Energy(GeV)

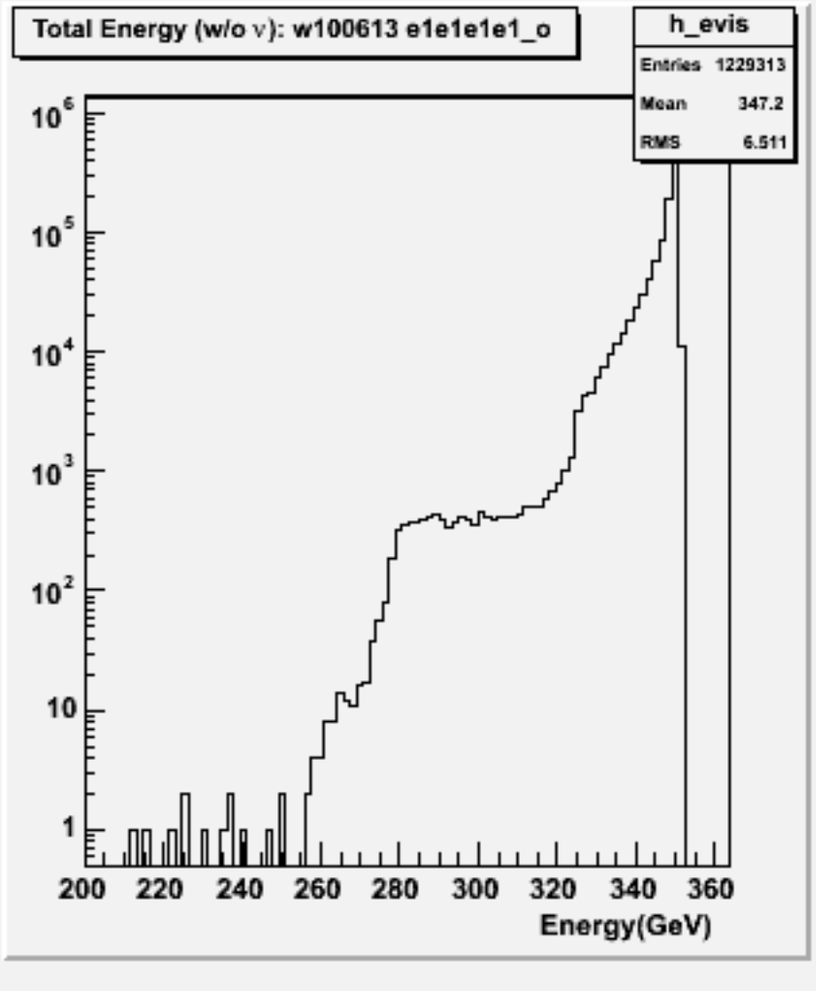

Pt Sum: w100613 e1e1e1e1_o
h_pt
Entries 1229313
Mean 4.896e-07
RMS 5.43e-07
×10⁻⁶
Pt(sum) (GeV)

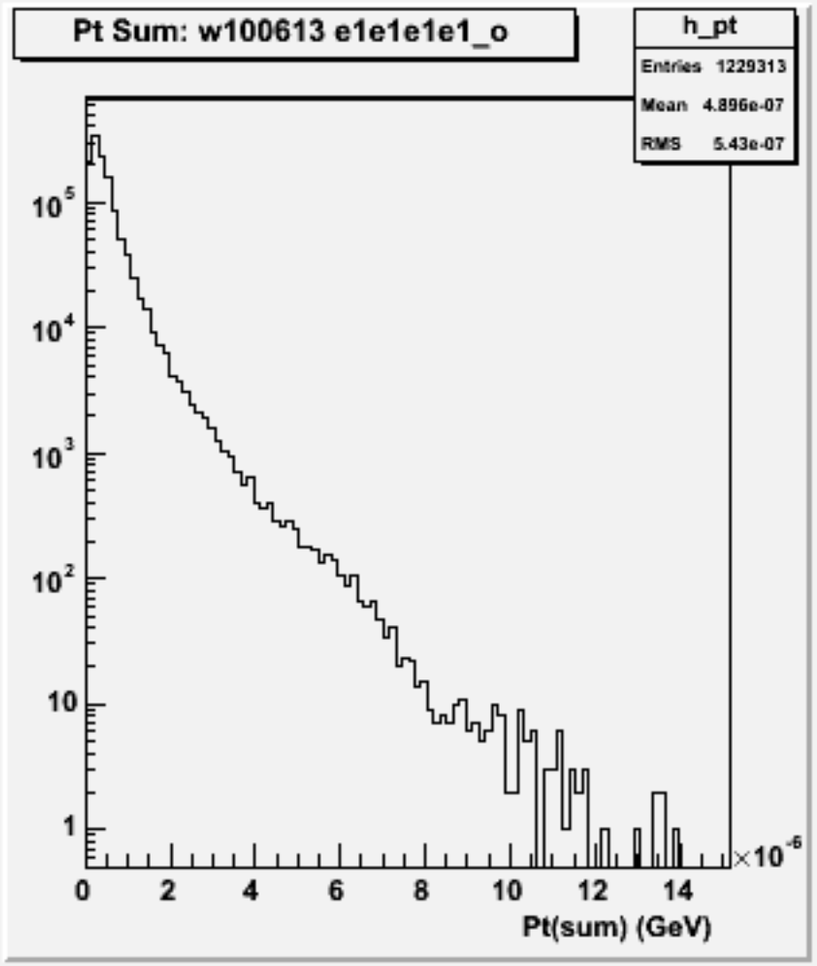

Pz Sum: w100613 e1e1e1e1_o
h_pz
Entries 1229313
Mean -0.00603
RMS 6.403
Pz(sum) (GeV)

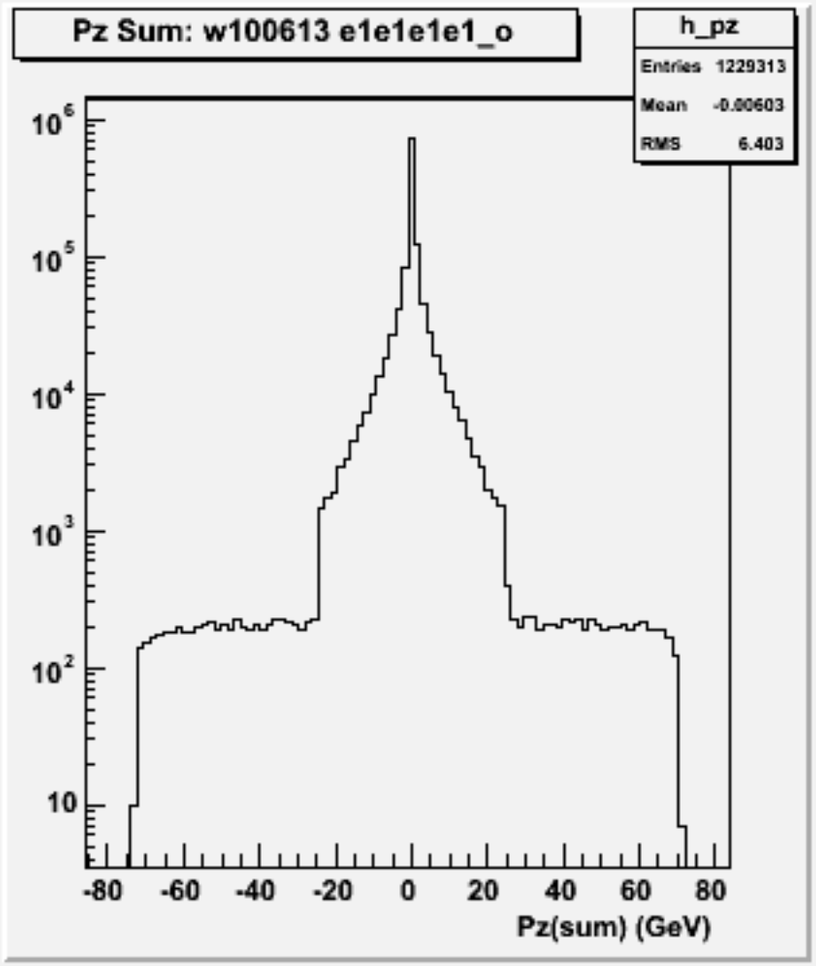

Thrust w100613 e1e1e1e1_o
h_thrust
Entries 1229313
Mean 0.9761
RMS 0.03231
×10³
Thrust

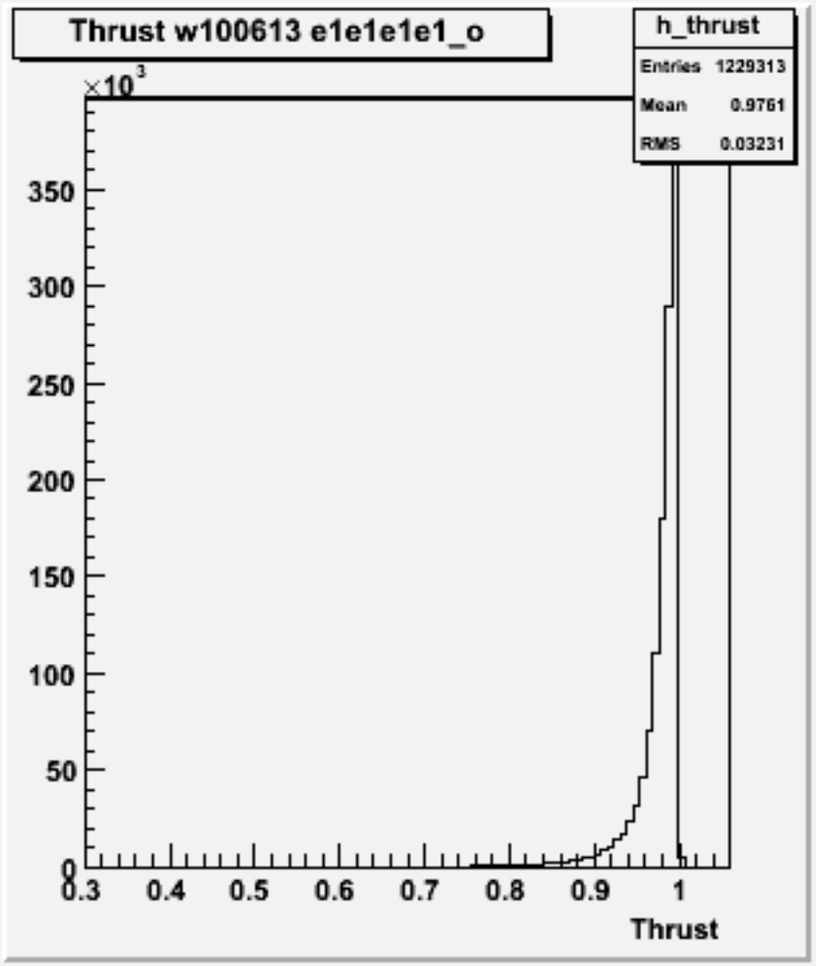

Total Energy (inc. ν): w100613 e1e1e1e1_o
h_etot
Entries 1229313
Mean 347.2
RMS 6.511
Total Energy(GeV)

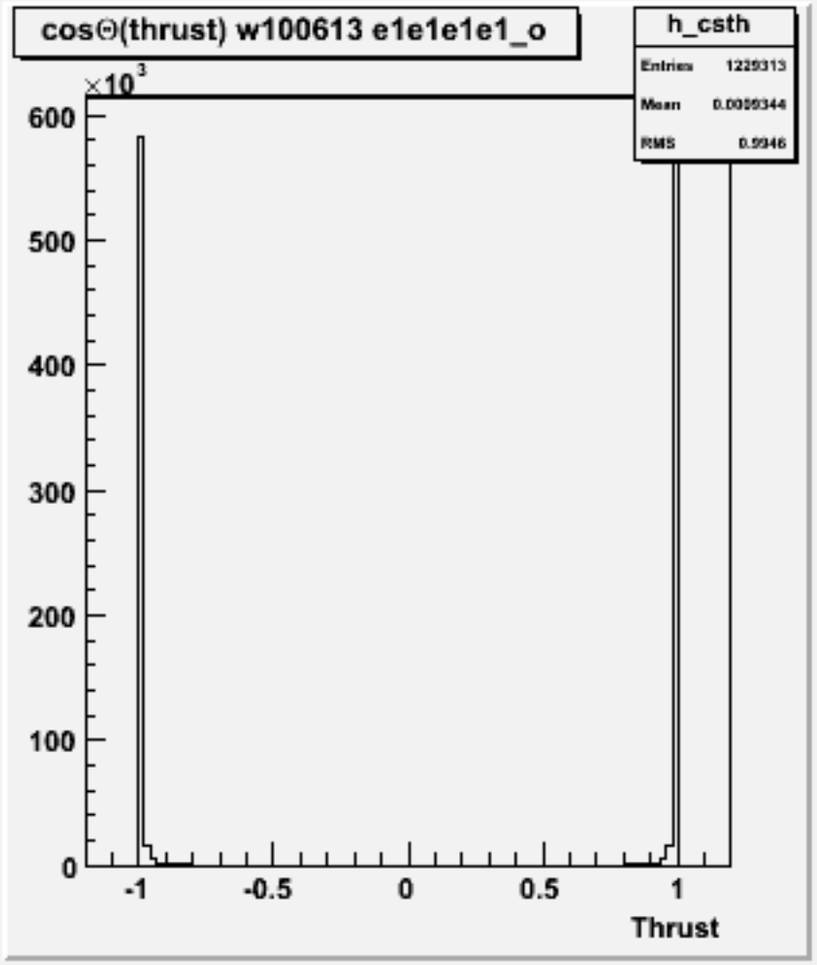

Total Energy (inc. ν): w100613 e1e1e1e1_o
h_etotc
Entries 1127519
Mean 348.7
RMS 2.288
Total Energy(GeV)

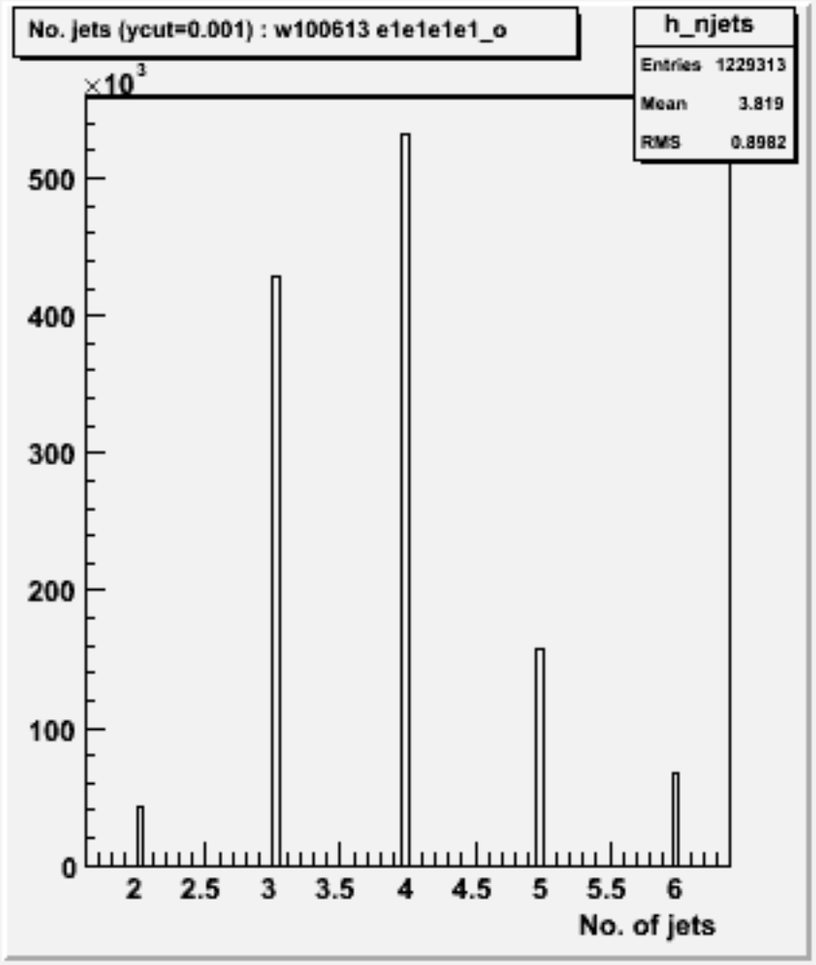

Total Energy (w/o ν): w100613 e1e1e1e1_o
h_evis
Entries 1229313
Mean 347.2
RMS 6.511
Energy(GeV)

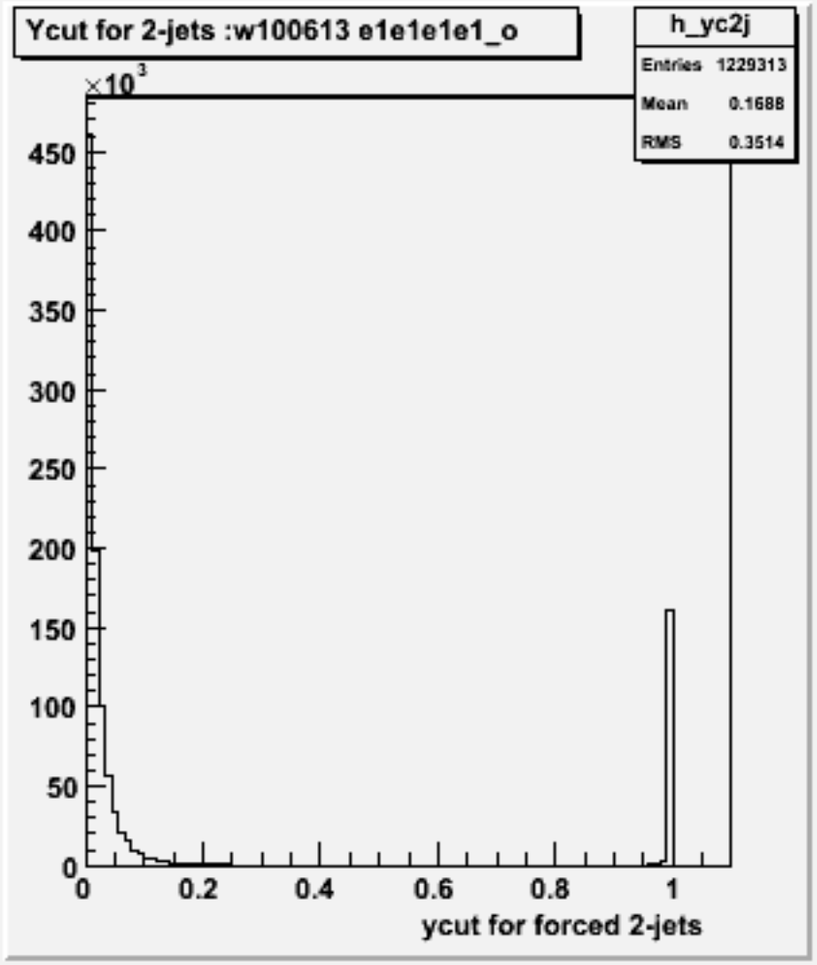

Pt Sum: w100613 e1e1e1e1_o
h_pt
Entries 1229313
Mean 4.896e-07
RMS 5.43e-07
×10⁻⁶
Pt(sum) (GeV)

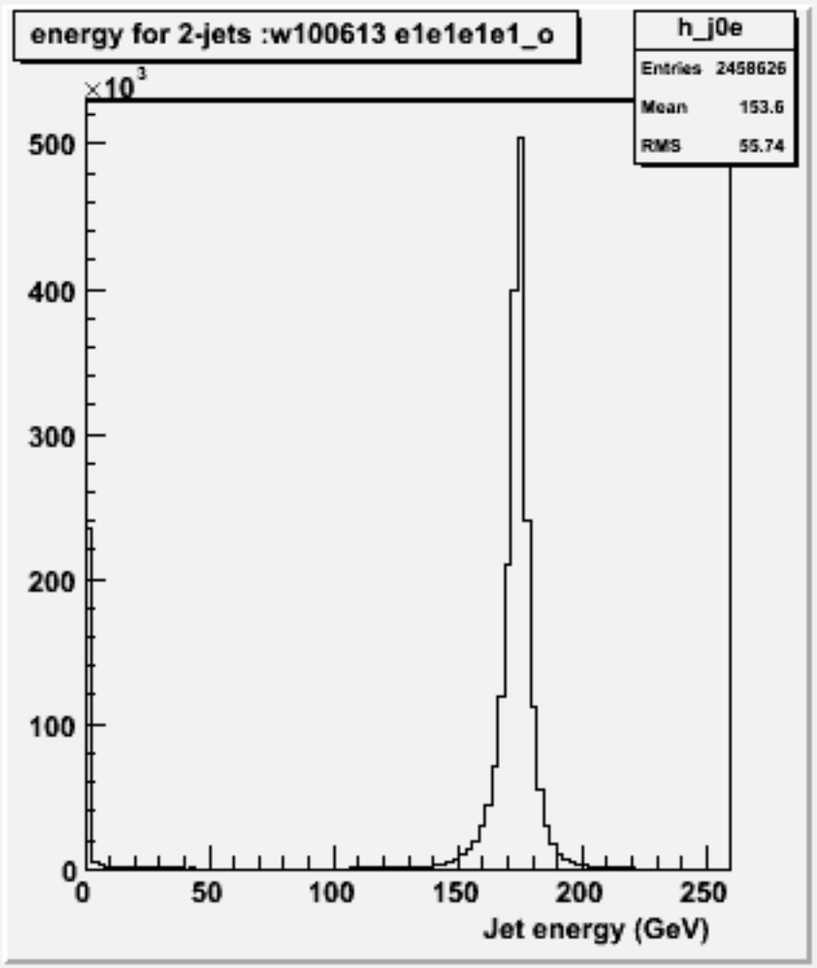

Pz Sum: w100613 e1e1e1e1_o
h_pz
Entries 1229313
Mean -0.00603
RMS 6.403
Pz(sum) (GeV)

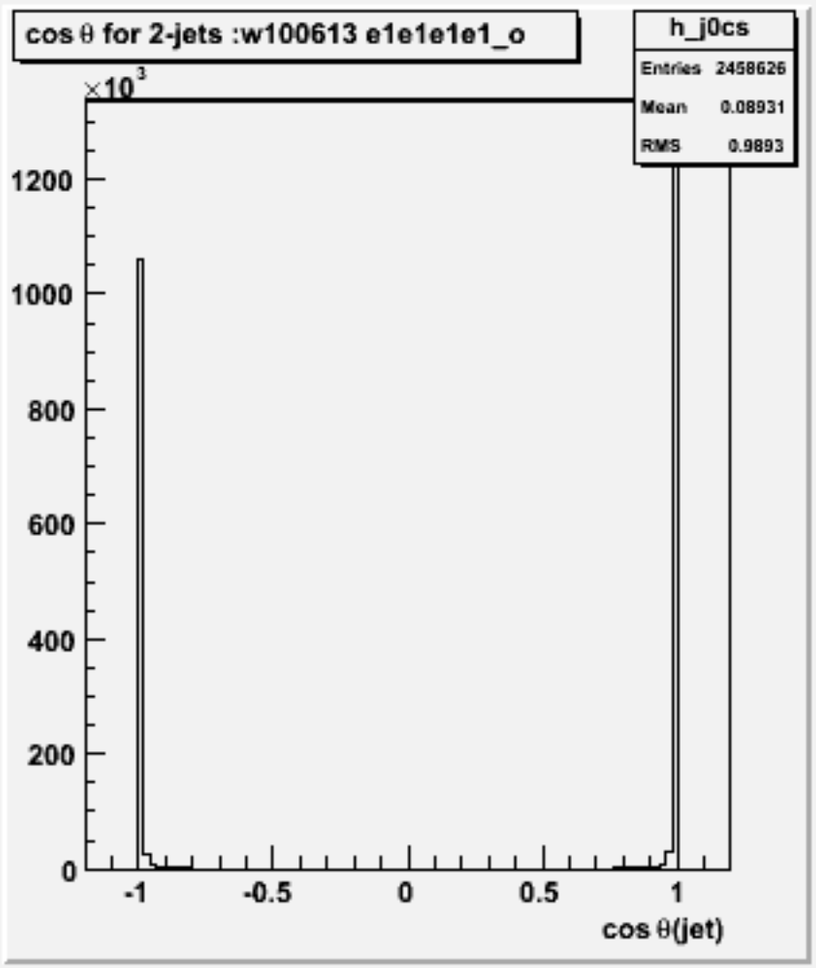

Thrust w100613 e1e1e1e1_o
h_thrust
Entries 1229313
Mean 0.9761
RMS 0.03231
×10³
Thrust

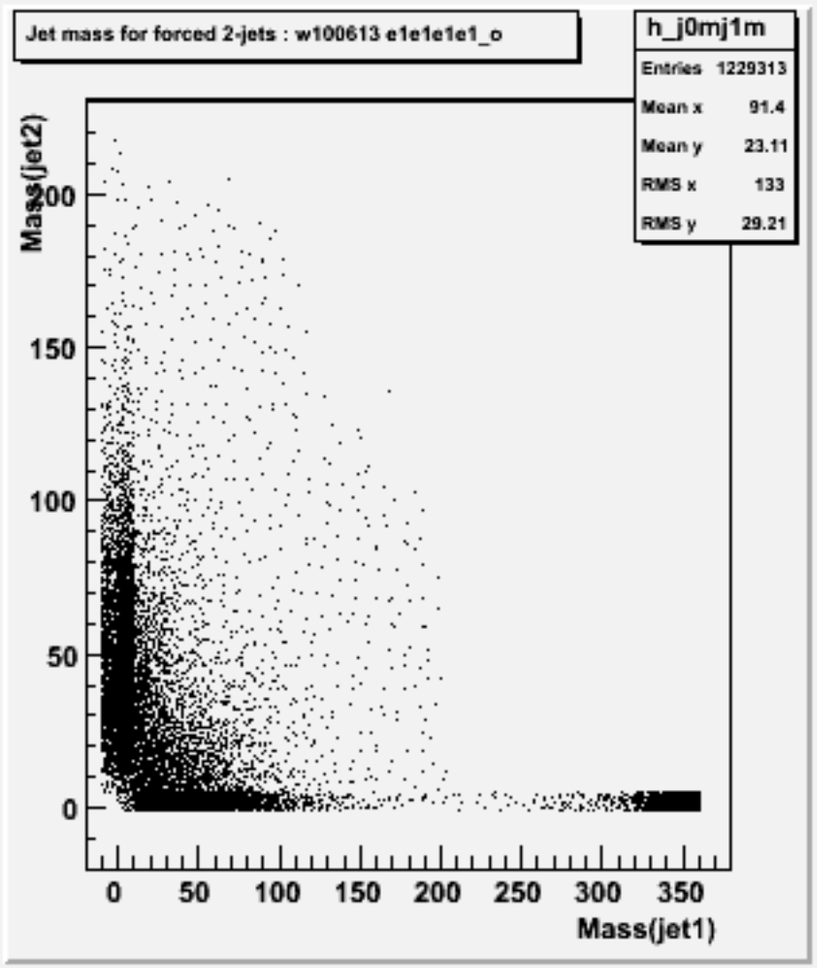

cosΘ(thrust) w100613 e1e1e1e1_o
h_csth
Entries 1229313
Mean 0.0035344
RMS 0.5946
×10^3
600
500
400
300
200
100
0
-1
-0.5
0
0.5
1
Thrust

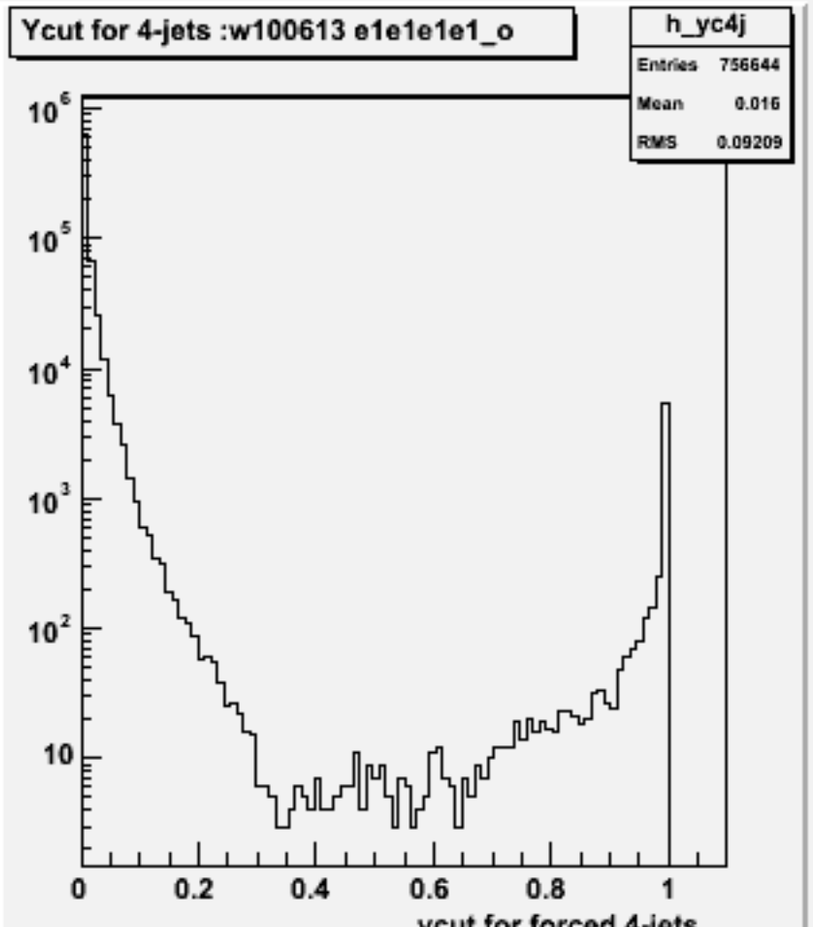

No. jets (ycut=0.001) : w100613 e1e1e1e1_o
h_njets
Entries 1229313
Mean 3.819
RMS 0.8982
×10^3
500
400
300
200
100
0
2
2.5
3
3.5
4
4.5
5
5.5
6
No. of jets

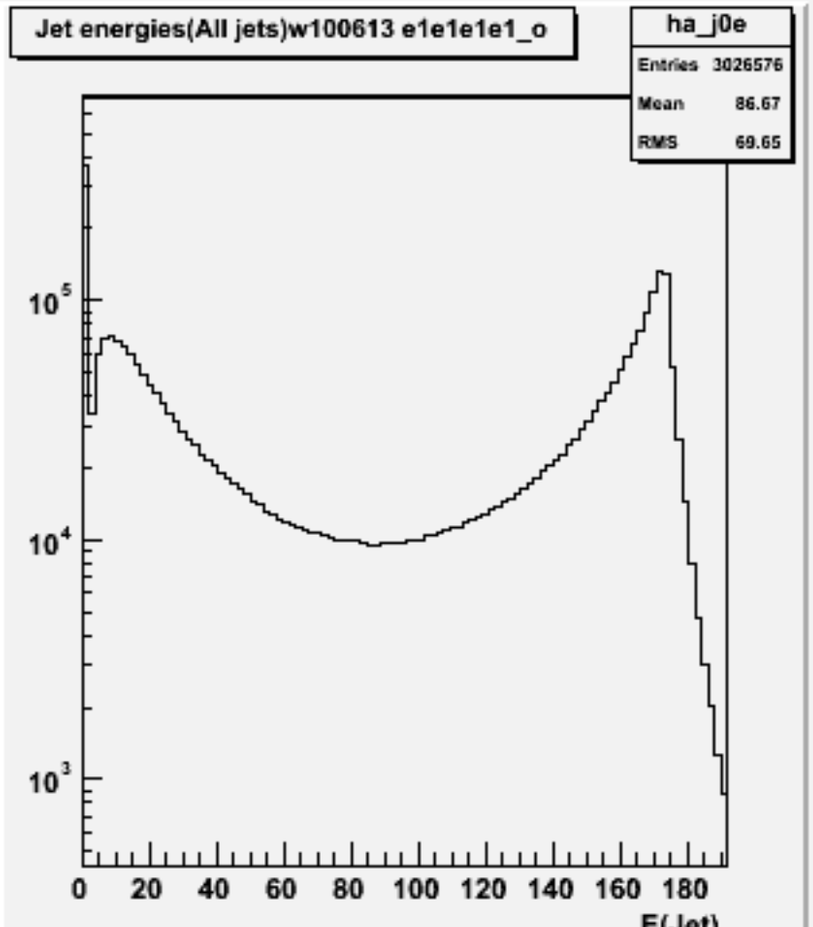

Ycut for 2-jets :w100613 e1e1e1e1_o
h_yc2j
Entries 1229313
Mean 0.1688
RMS 0.3514
×10^3
450
400
350
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

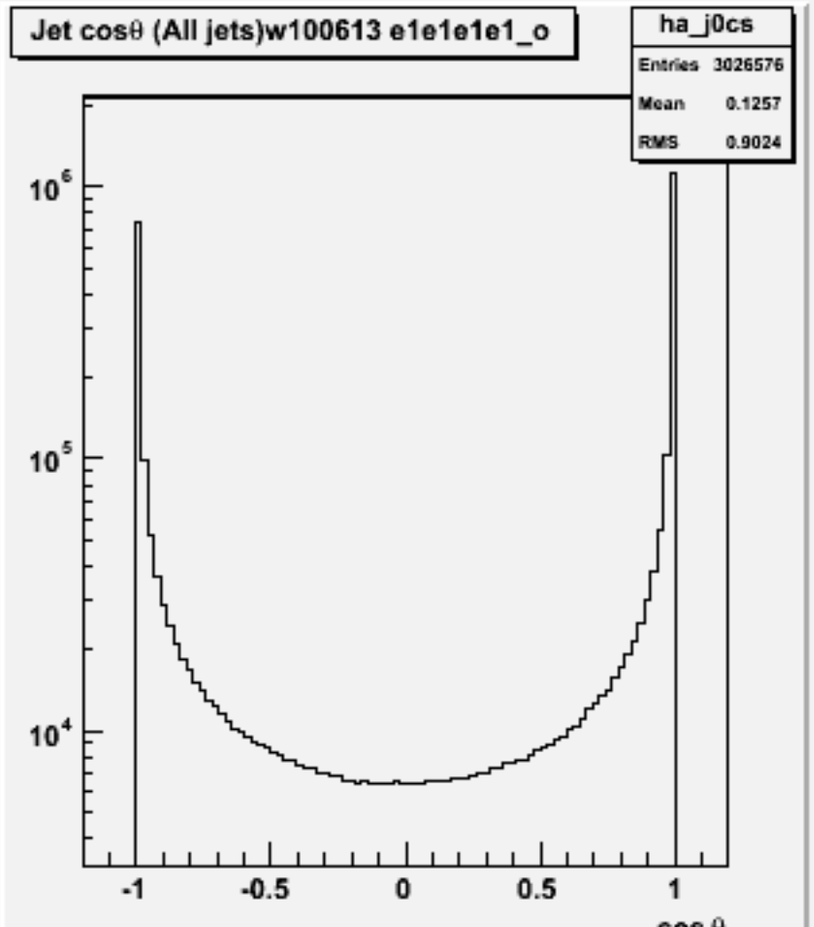

energy for 2-jets :w100613 e1e1e1e1_o
h_j0e
Entries 2458626
Mean 153.6
RMS 55.74
×10^3
500
400
300
200
100
0
0
50
100
150
200
250
Jet energy (GeV)

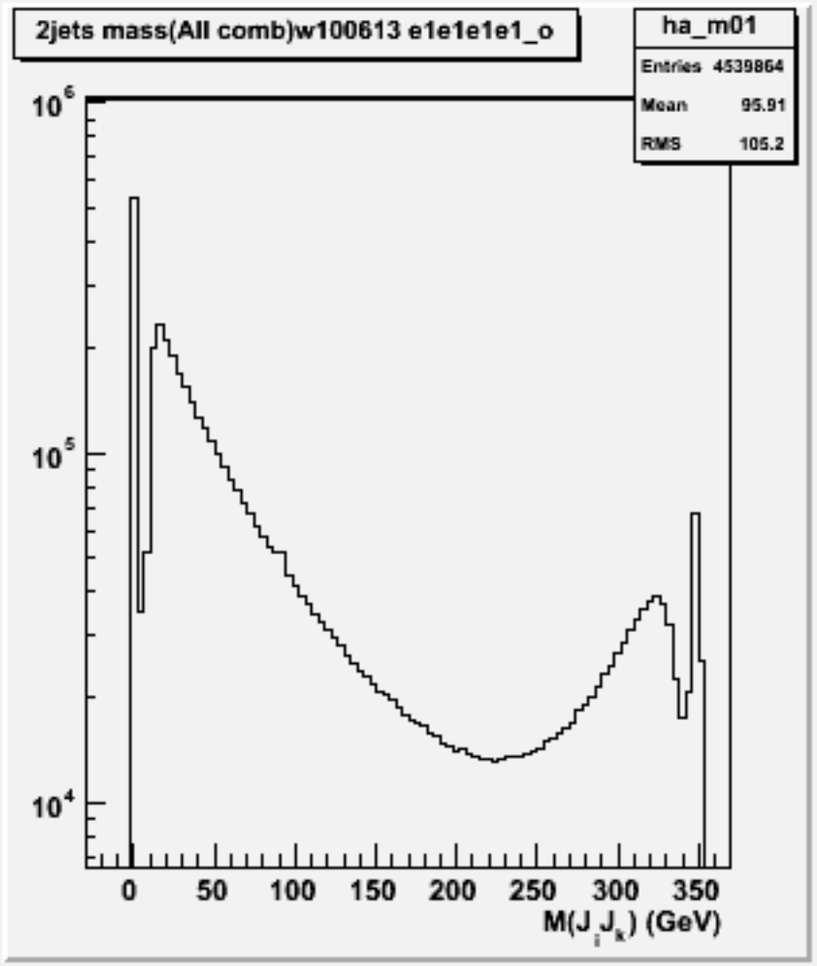

cos θ for 2-jets :w100613 e1e1e1e1_o
h_j0cs
Entries 2458626
Mean 0.08931
RMS 0.9893
×10^3
1200
1000
800
600
400
200
0
-1
-0.5
0
0.5
1
cos θ(jet)

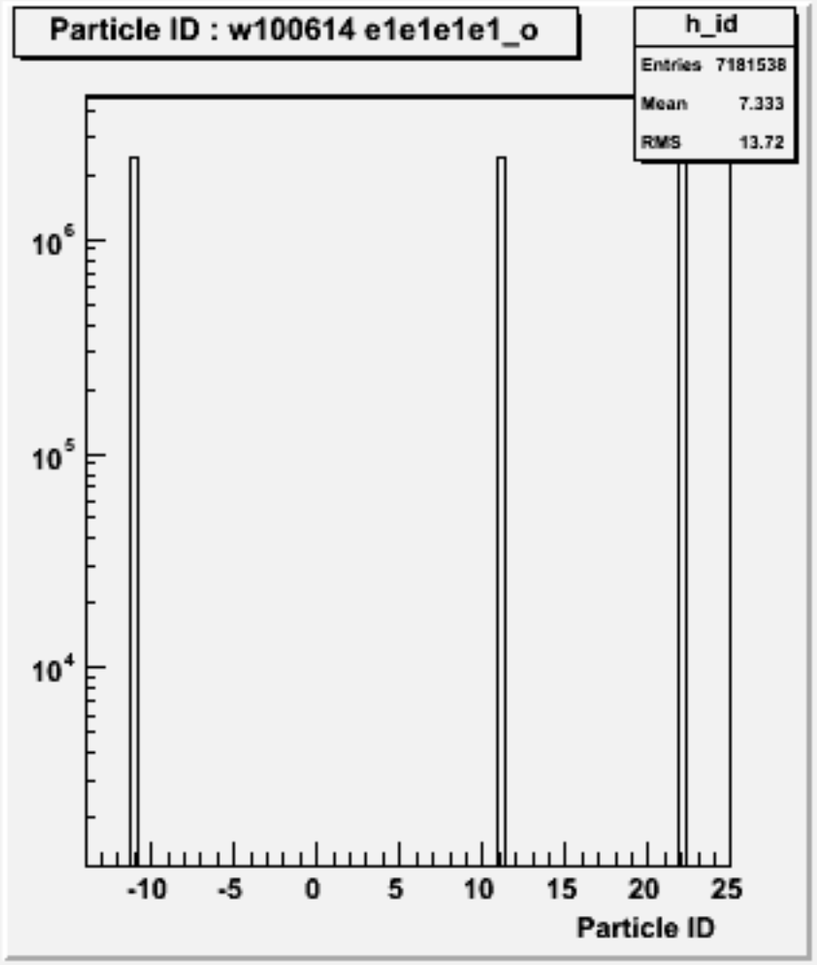

Jet mass for forced 2-jets : w100613 e1e1e1e1_o
h_j0mj1m
Entries 1229313
Mean x 91.4
Mean y 23.11
RMS x 133
RMS y 29.21
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

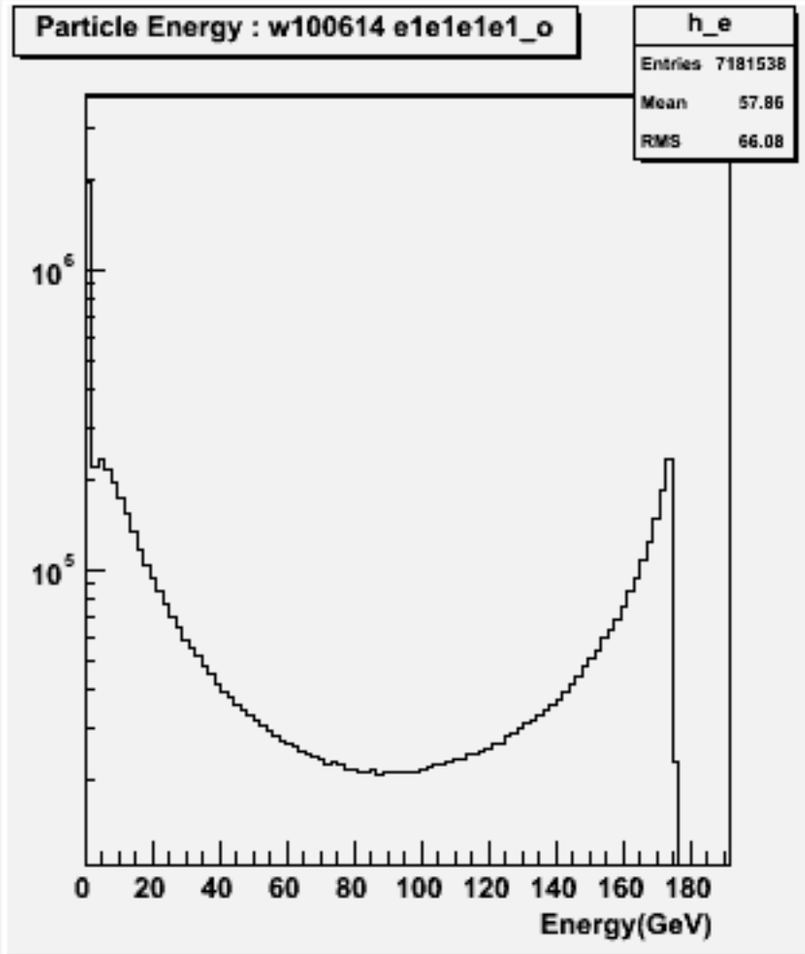

Ycut for 4-jets :w100613 e1e1e1e1_o
h_yc4j
Entries 756644
Mean 0.016
RMS 0.09209
ycut for forced 4-jets

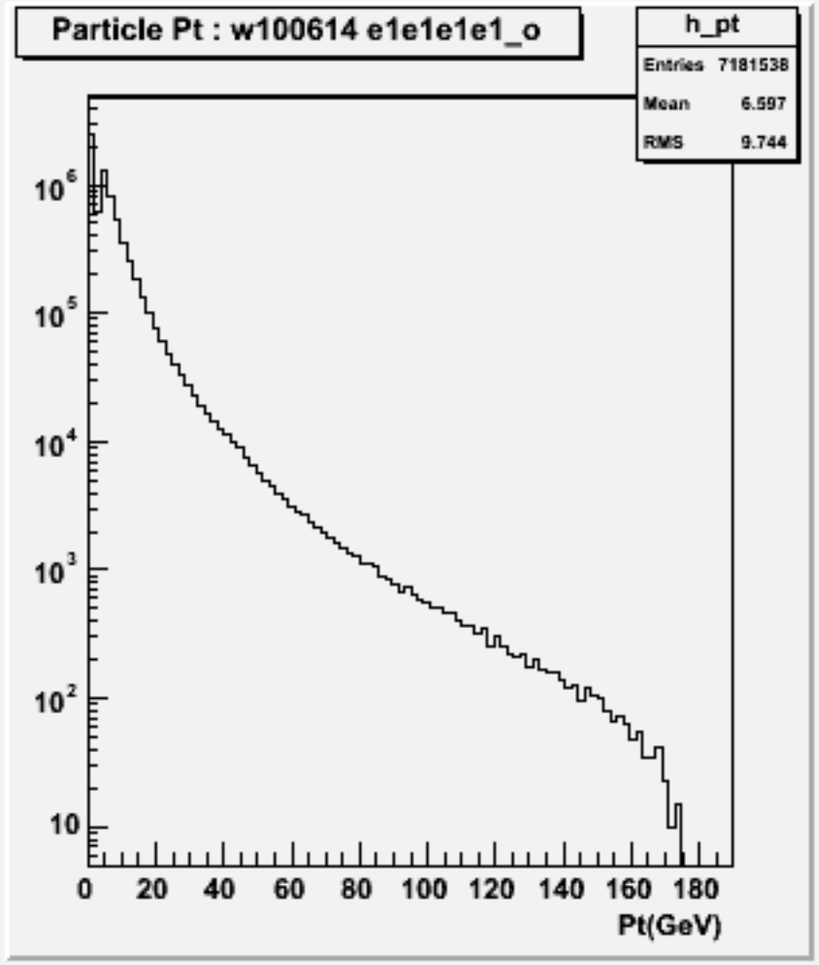

Jet energies(All jets)w100613 e1e1e1e1_o
ha_j0e
Entries 3026576
Mean 86.67
RMS 69.65
E(Jet)

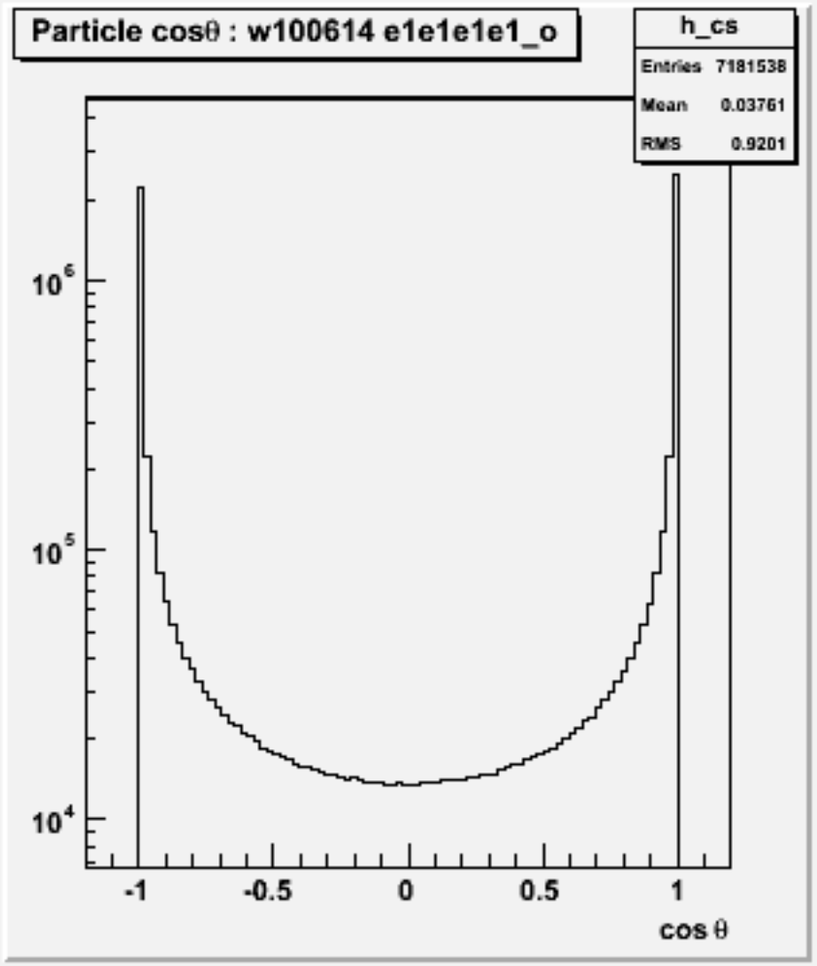

Jet cosθ (All jets)w100613 e1e1e1e1_o
ha_j0cs
Entries 3026576
Mean 0.1257
RMS 0.9024
cos θ

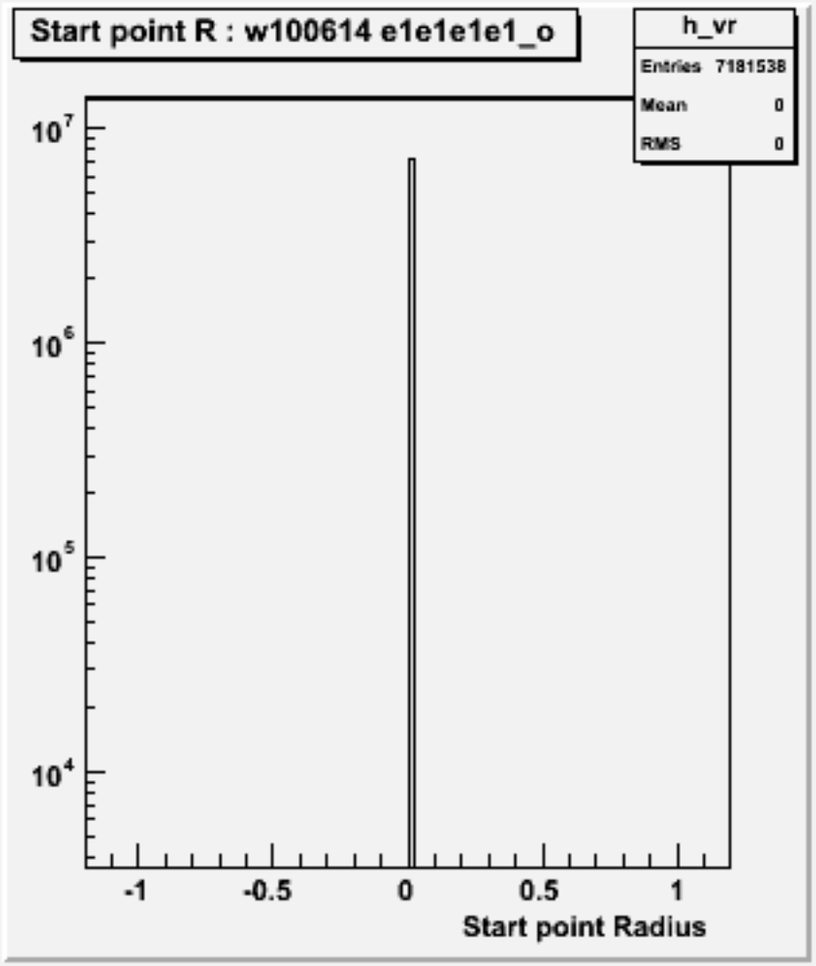

2jets mass(All comb)w100613 e1e1e1e1_o
ha_m01
Entries 4539864
Mean 95.91
RMS 105.2
M(J_iJ_k) (GeV)

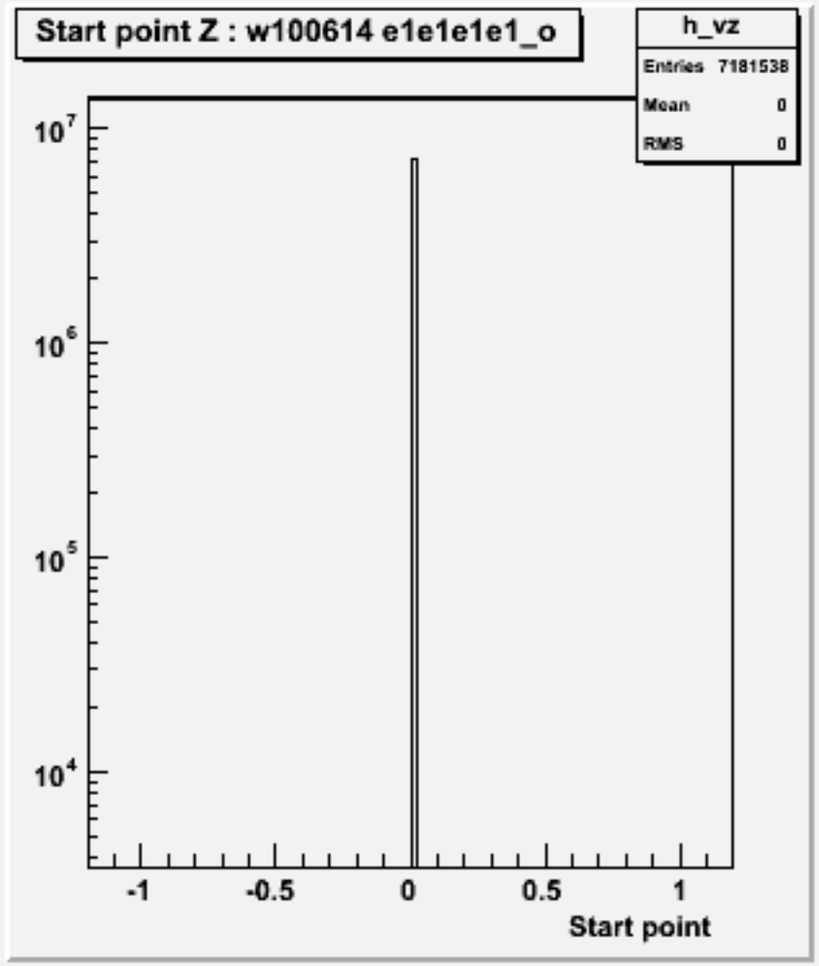

Particle ID : w100614 e1e1e1e1_o
h_id
Entries 7181538
Mean 7.333
RMS 13.72
Particle ID

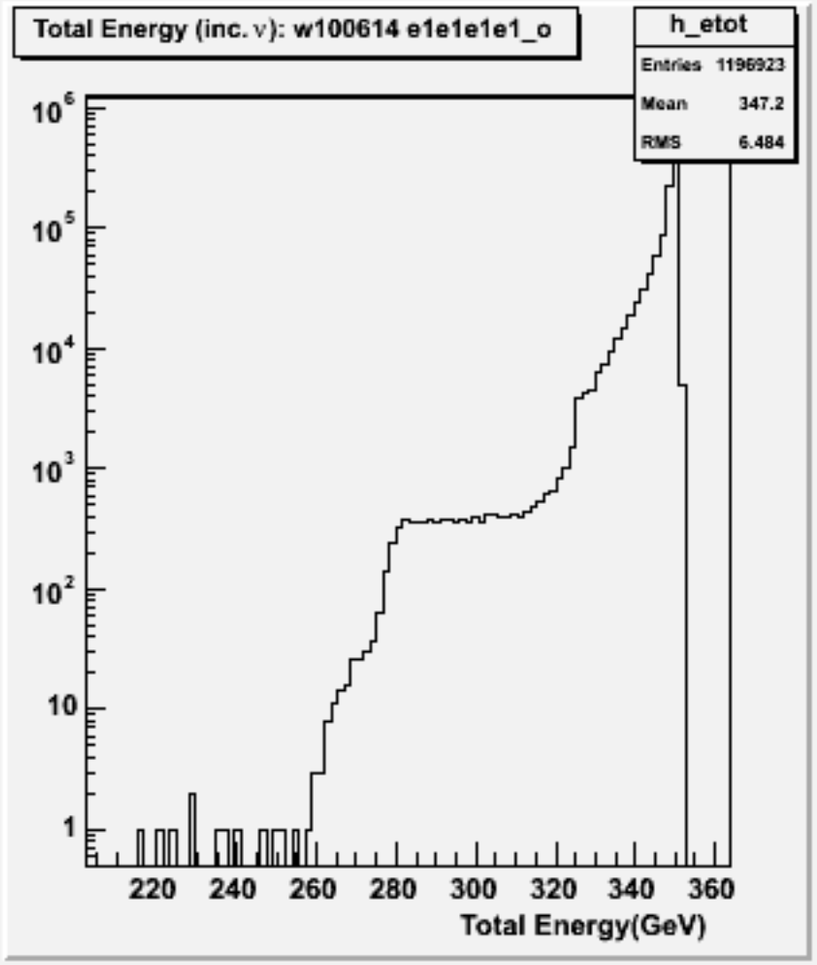

Particle Energy : w100614 e1e1e1e1_o
h_e
Entries 7181538
Mean 57.86
RMS 66.08
Energy(GeV)

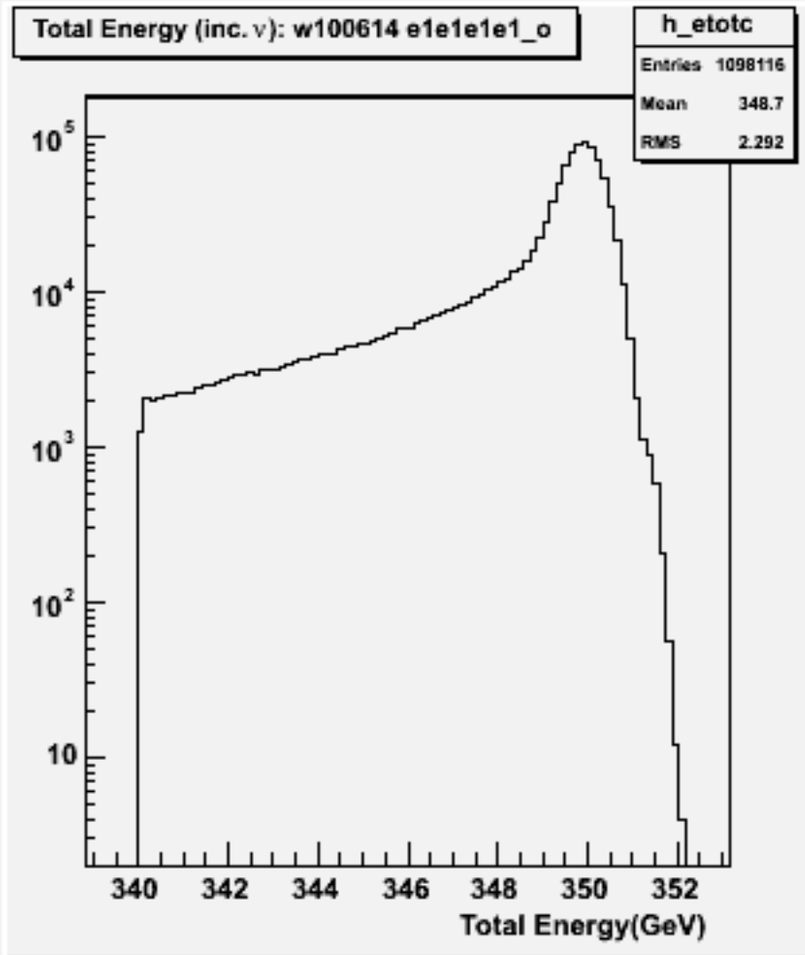

Particle Pt : w100614 e1e1e1e1_o
h_pt
Entries 7181538
Mean 6.597
RMS 9.744
Pt(GeV)

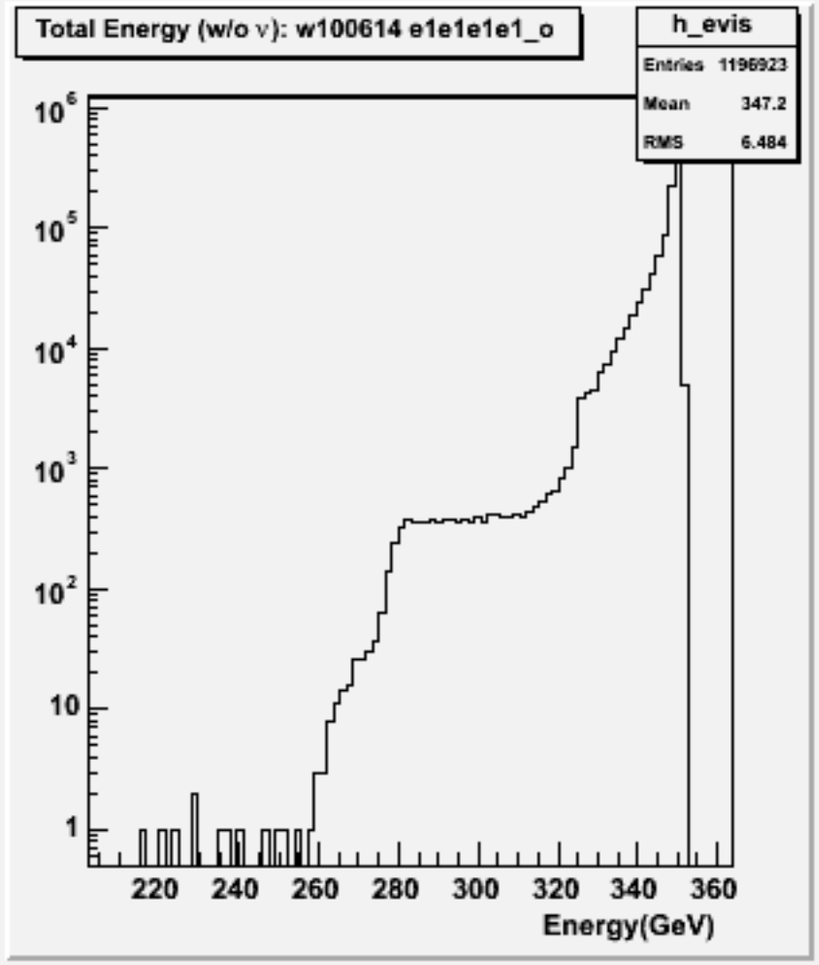

Particle cosθ : w100614 e1e1e1e1_o
h_cs
Entries 7181538
Mean 0.03761
RMS 0.9201
cos θ

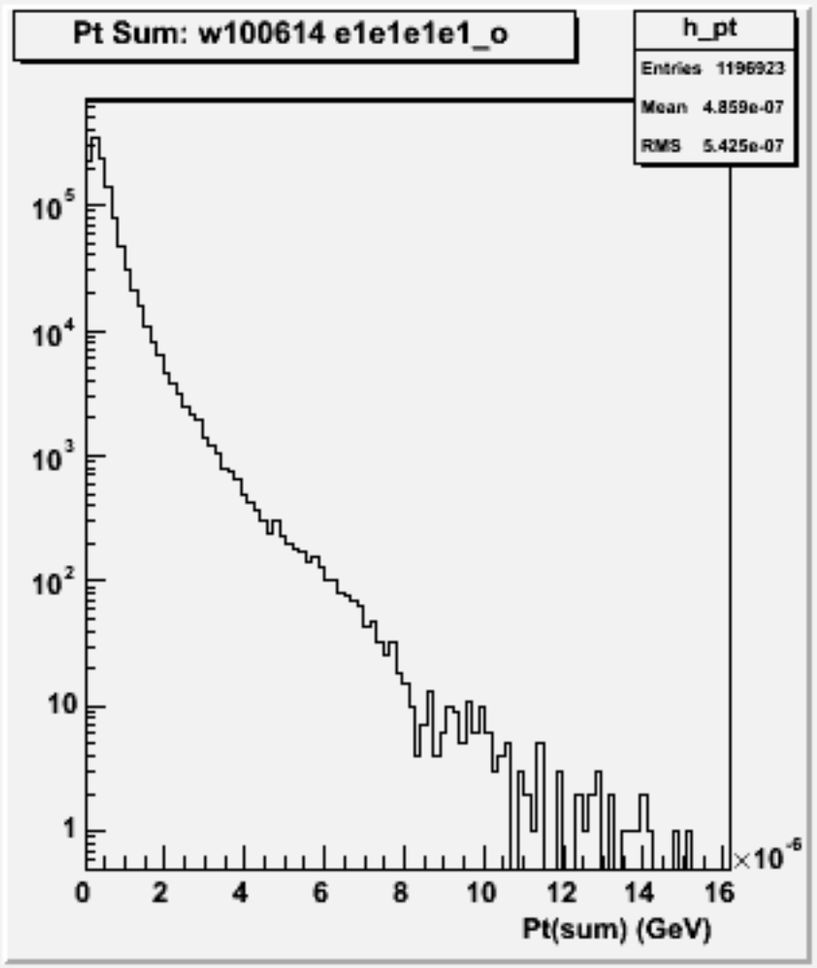

Start point R : w100614 e1e1e1e1_o
h_vr
Entries 7181538
Mean 0
RMS 0
Start point Radius

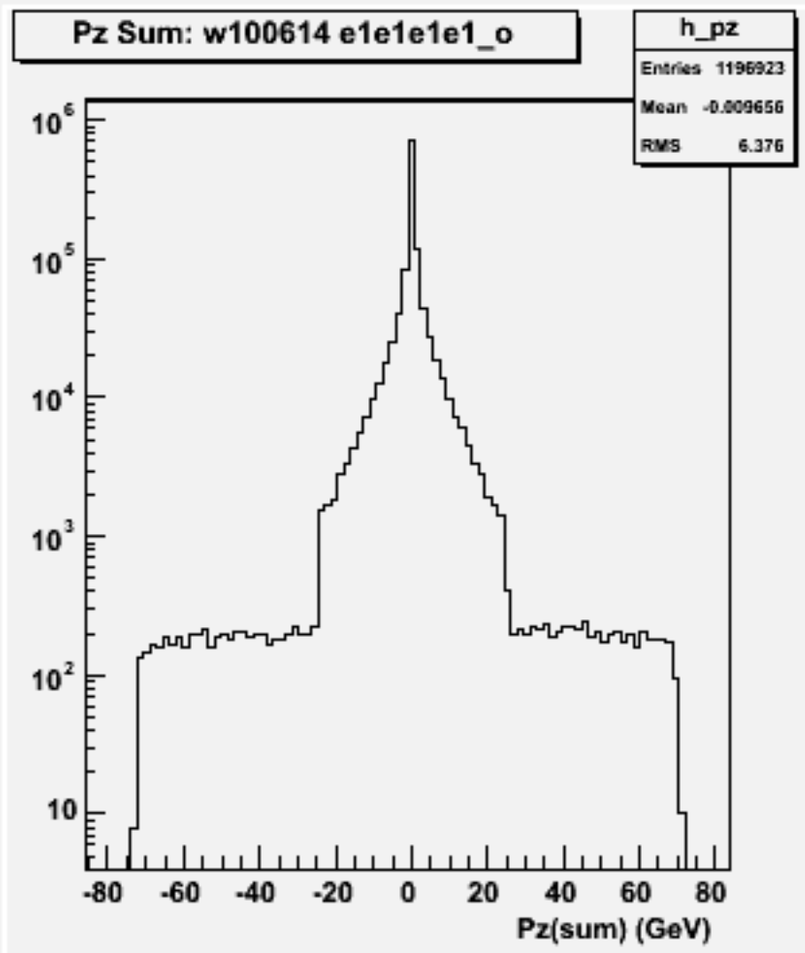

Start point Z : w100614 e1e1e1e1_o
h_vz
Entries 7181538
Mean 0
RMS 0
Start point

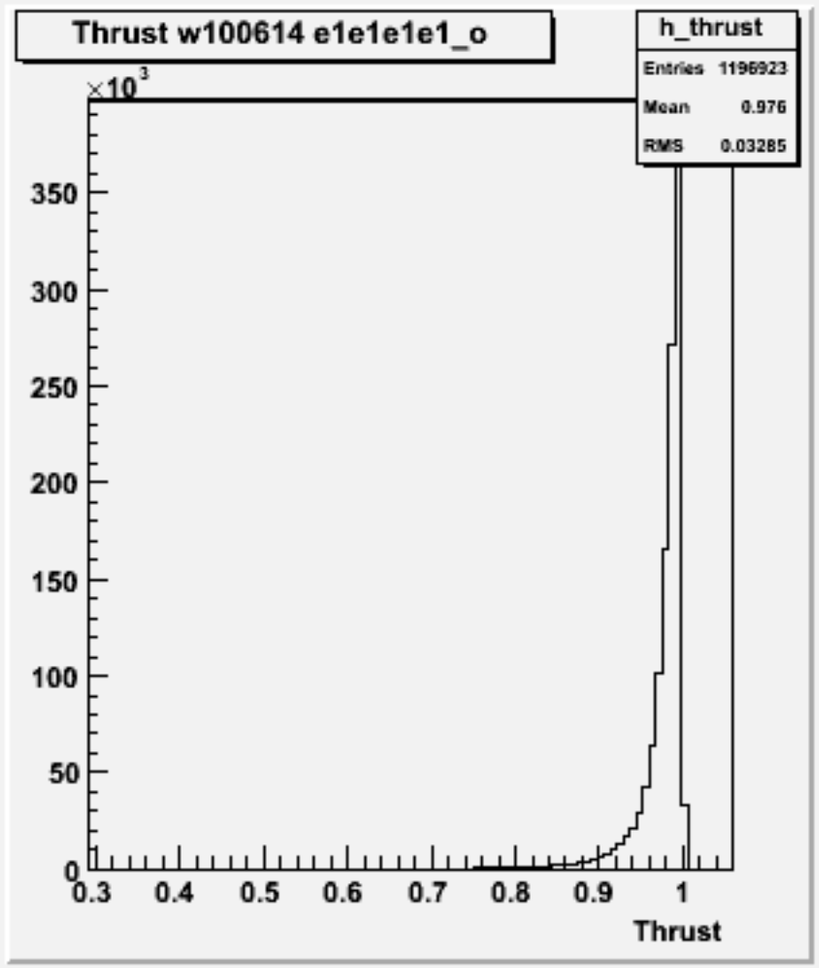

Total Energy (inc. ν): w100614 e1e1e1e1_o
h_etot
Entries 1196923
Mean 347.2
RMS 6.484
Total Energy(GeV)

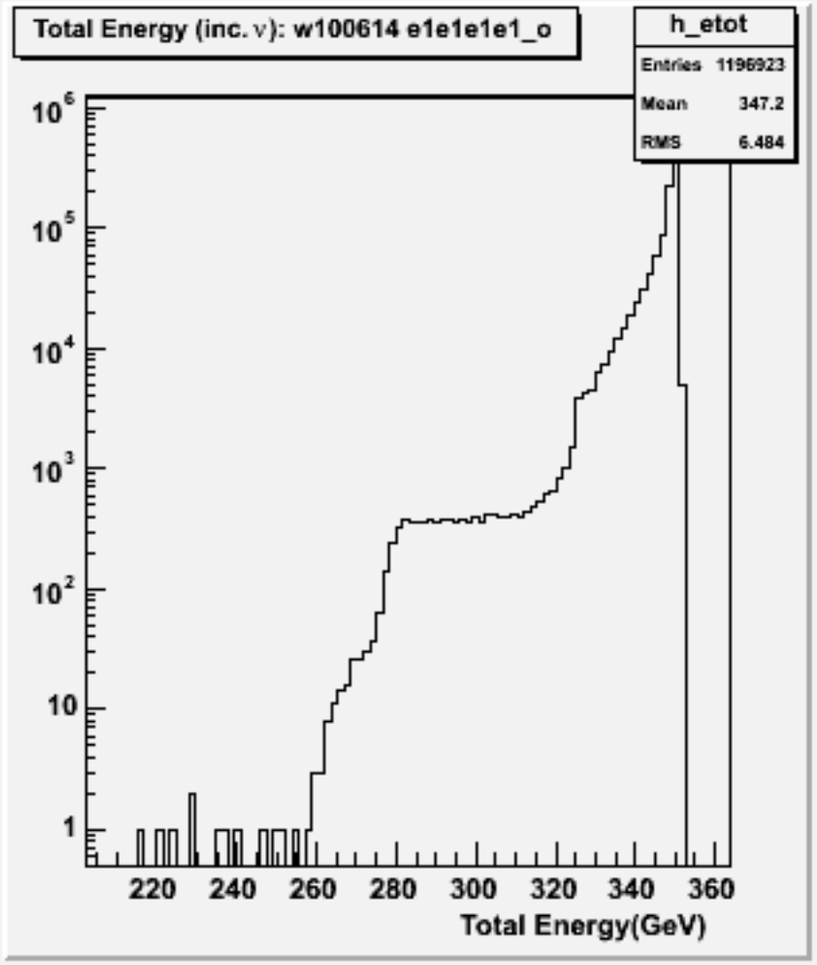

Total Energy (inc. ν): w100614 e1e1e1e1_o
h_etotc
Entries 1098116
Mean 348.7
RMS 2.292
Total Energy(GeV)

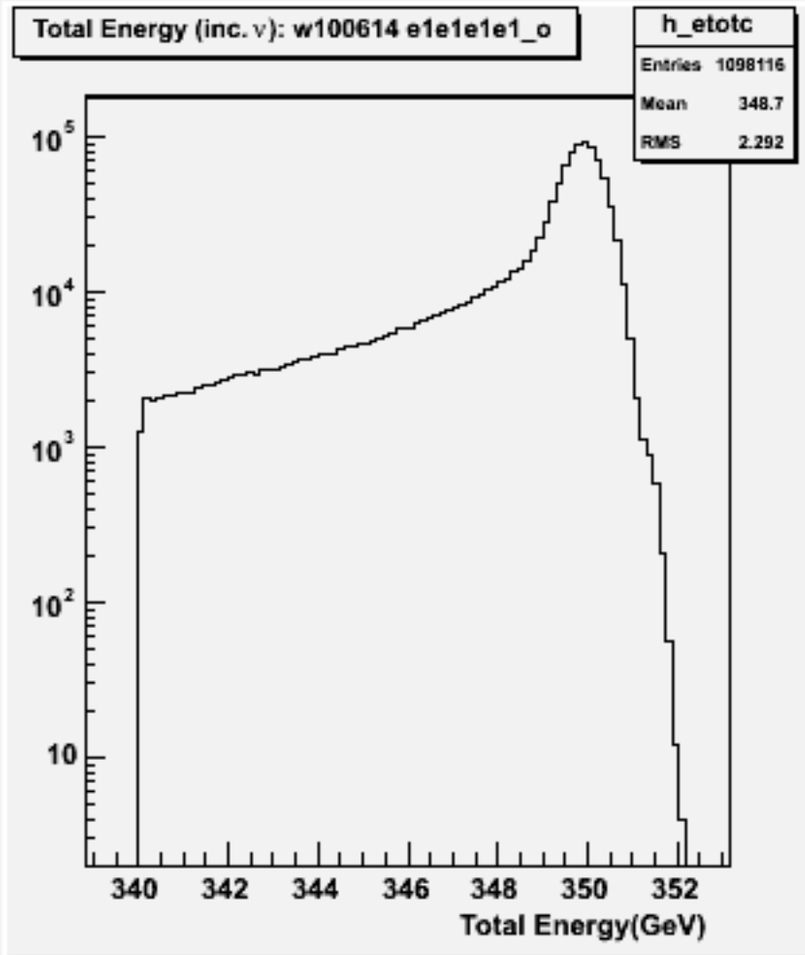

Total Energy (w/o ν): w100614 e1e1e1e1_o
h_evis
Entries 1196923
Mean 347.2
RMS 6.484
Energy(GeV)

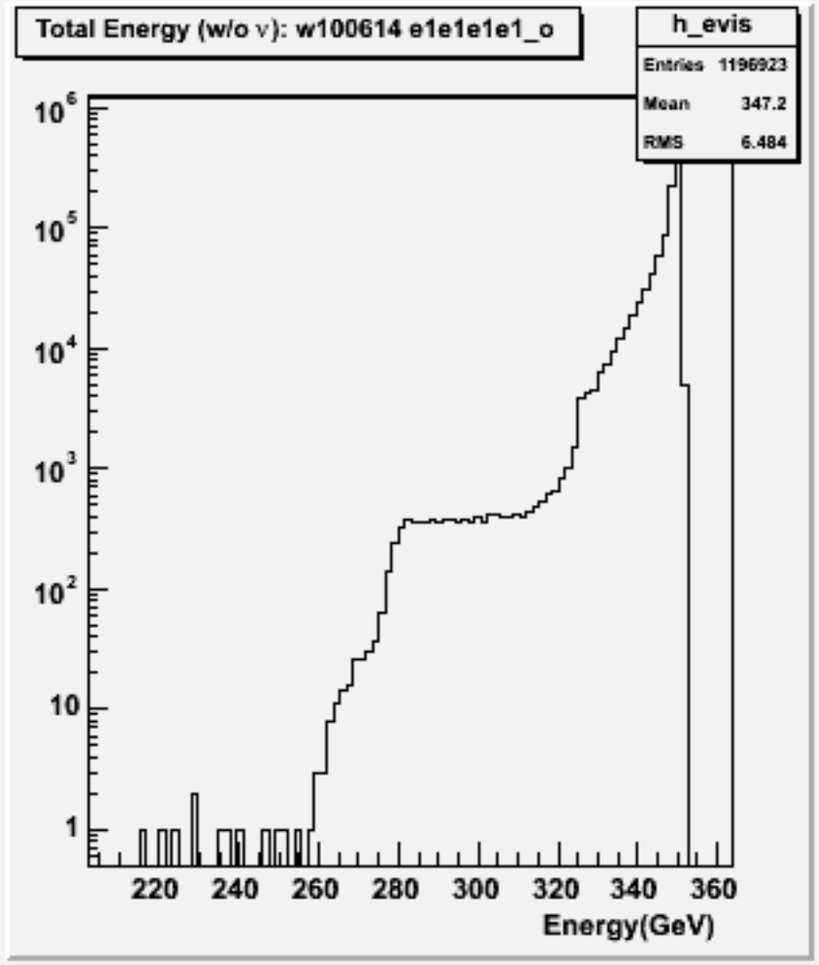

Pt Sum: w100614 e1e1e1e1_o
h_pt
Entries 1196923
Mean 4.859e-07
RMS 5.425e-07
×10⁻⁶
Pt(sum) (GeV)

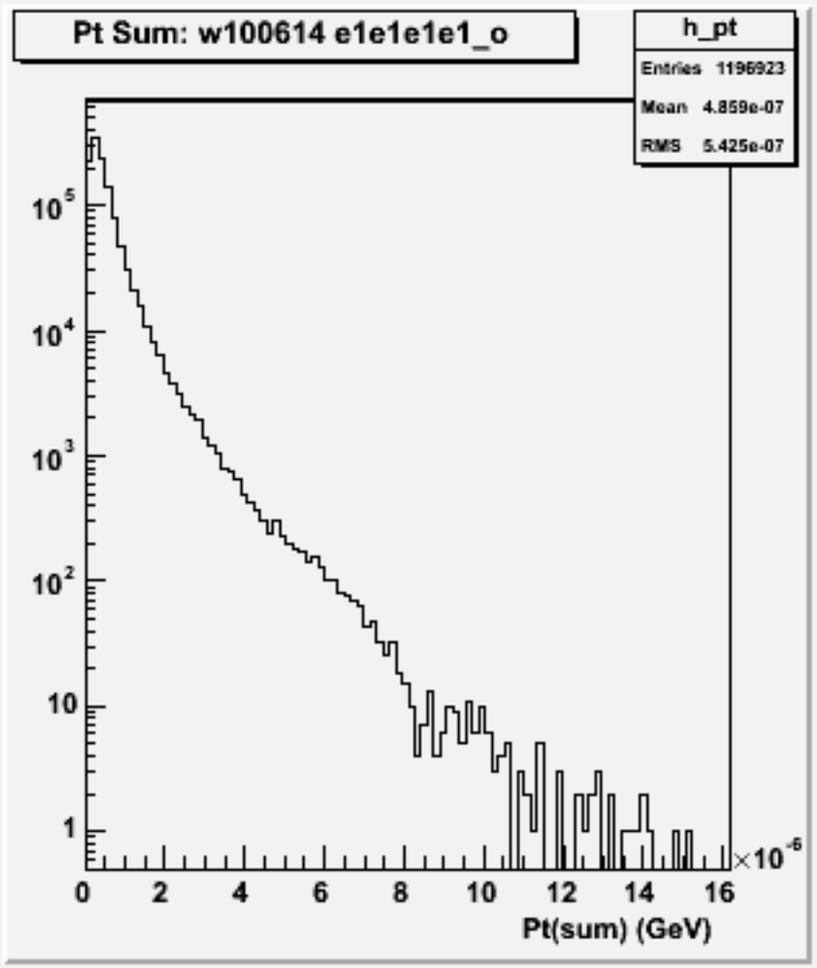

Pz Sum: w100614 e1e1e1e1_o
h_pz
Entries 1196923
Mean -0.009656
RMS 6.376
Pz(sum) (GeV)

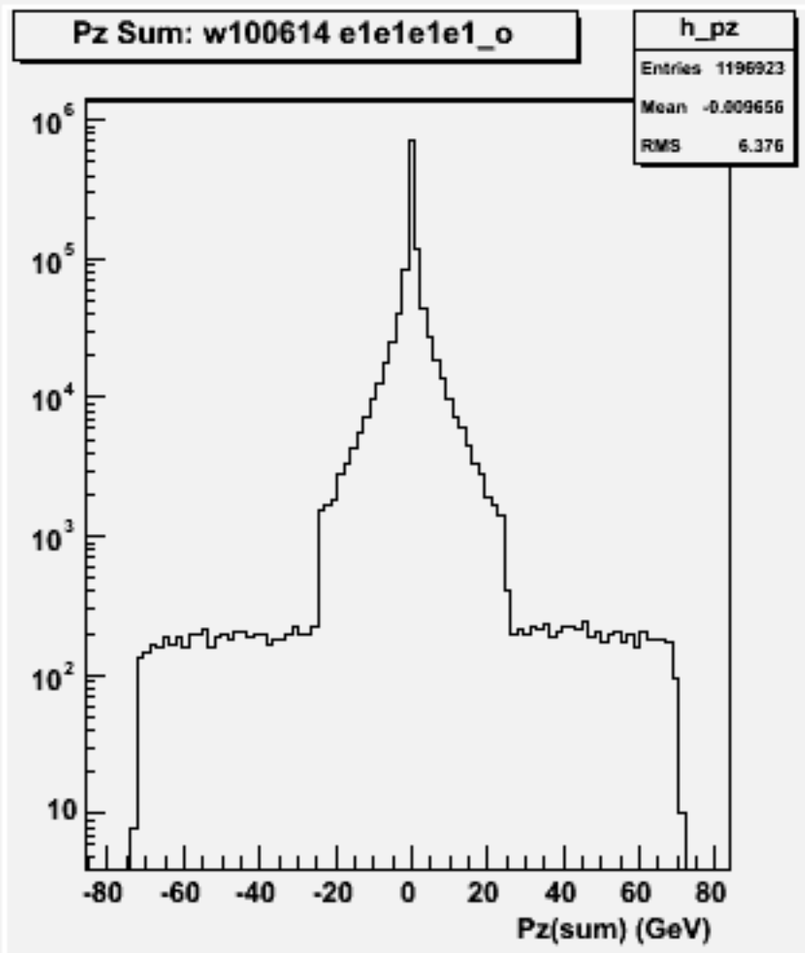

Thrust w100614 e1e1e1e1_o
h_thrust
Entries 1196923
Mean 0.976
RMS 0.03285
×10³
Thrust

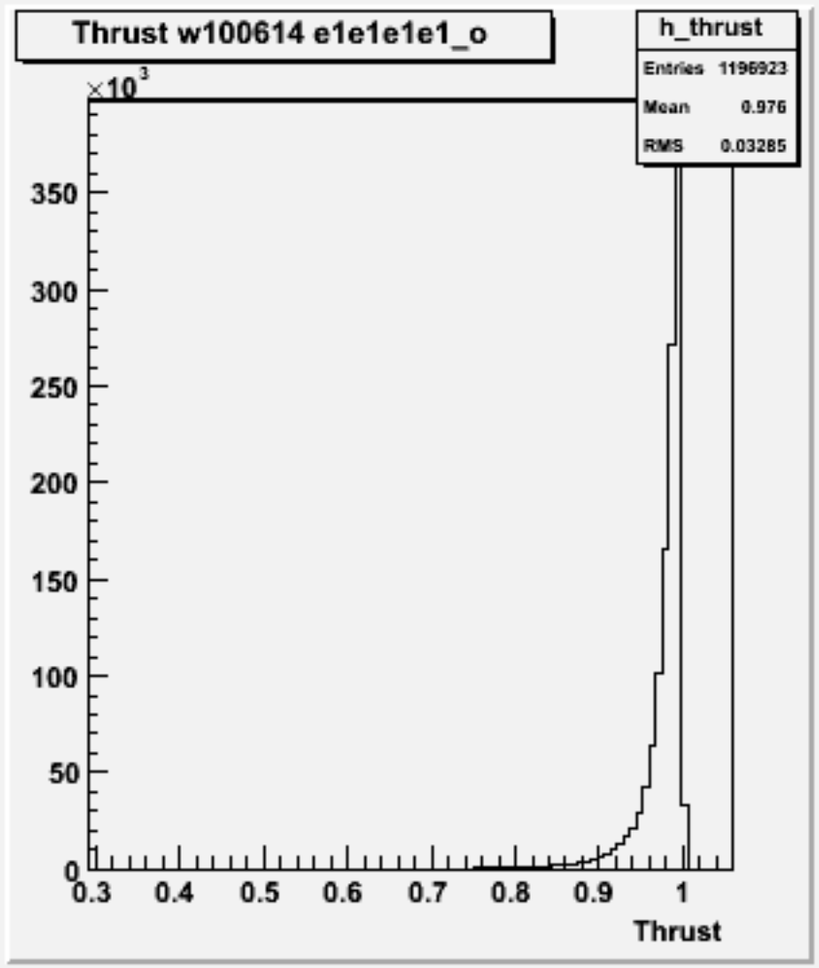

Total Energy (inc. ν): w100614 e1e1e1e1_o
h_etot
Entries 1196923
Mean 347.2
RMS 6.484
Total Energy(GeV)

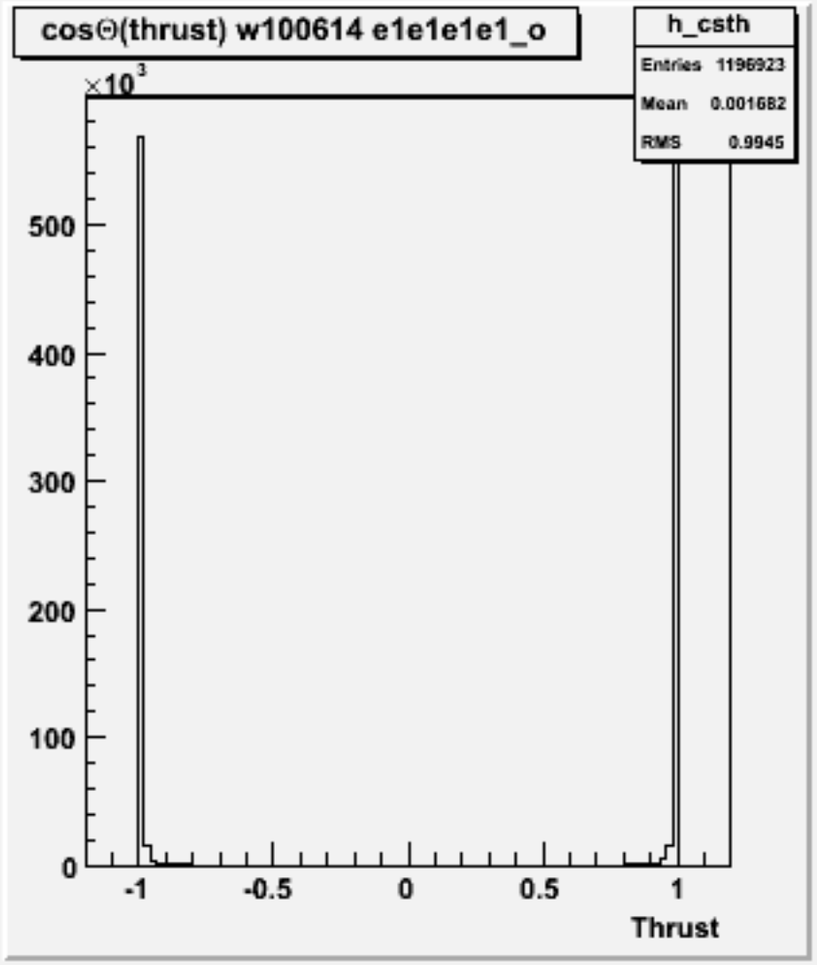

Total Energy (inc. ν): w100614 e1e1e1e1_o
h_etotc
Entries 1098116
Mean 348.7
RMS 2.292
Total Energy(GeV)

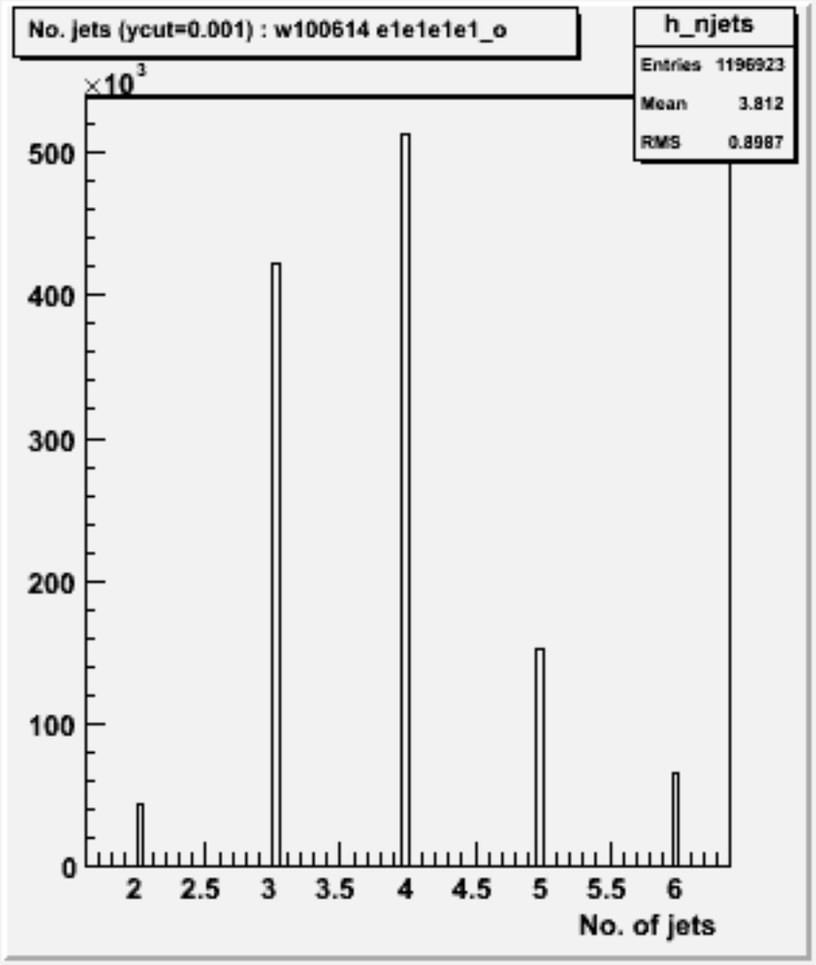

Total Energy (w/o ν): w100614 e1e1e1e1_o
h_evis
Entries 1196923
Mean 347.2
RMS 6.484
Energy(GeV)

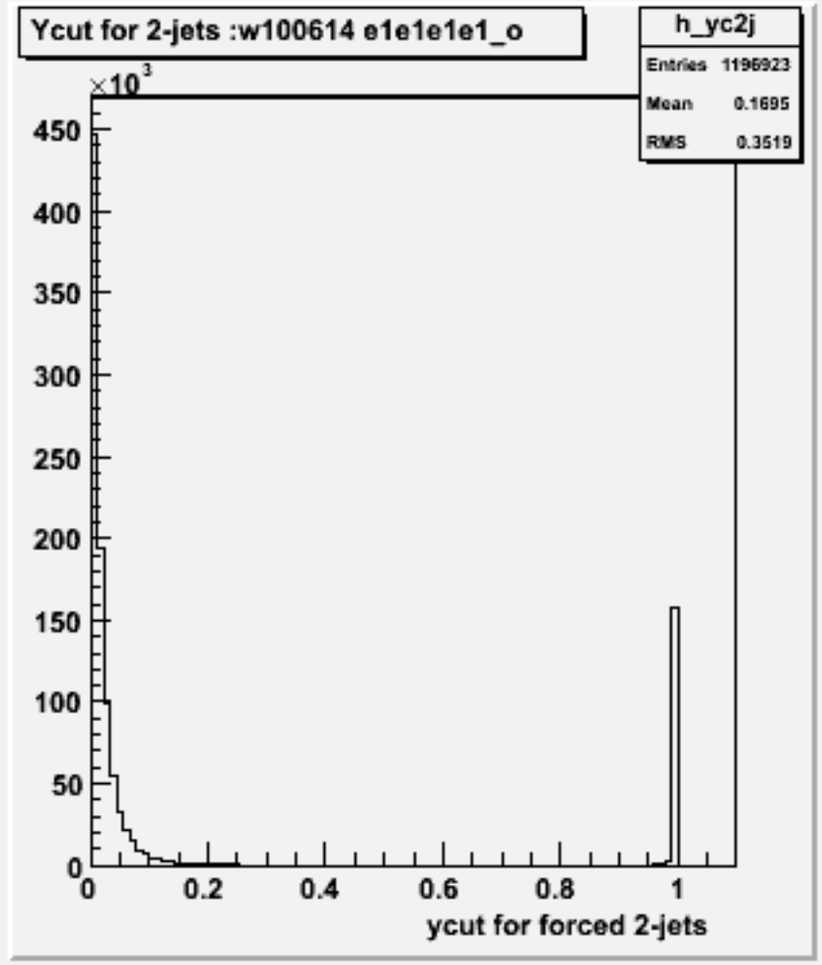

Pt Sum: w100614 e1e1e1e1_o
h_pt
Entries 1196923
Mean 4.859e-07
RMS 5.425e-07
×10⁻⁶
Pt(sum) (GeV)

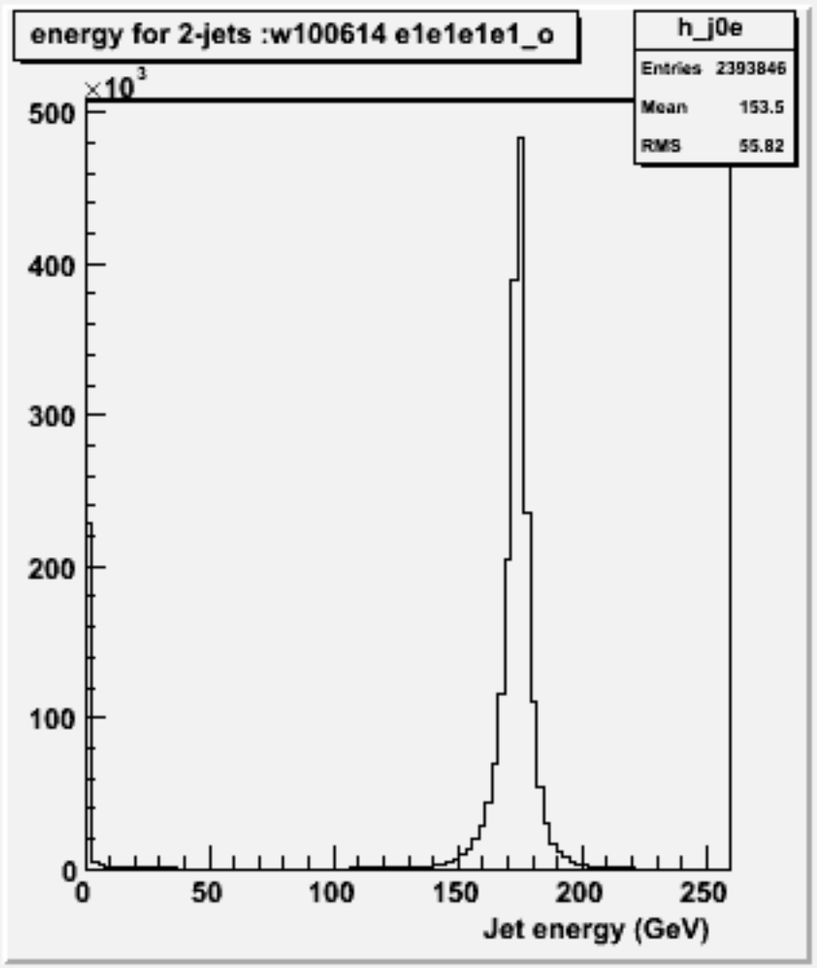

Pz Sum: w100614 e1e1e1e1_o
h_pz
Entries 1196923
Mean -0.009656
RMS 6.376
Pz(sum) (GeV)

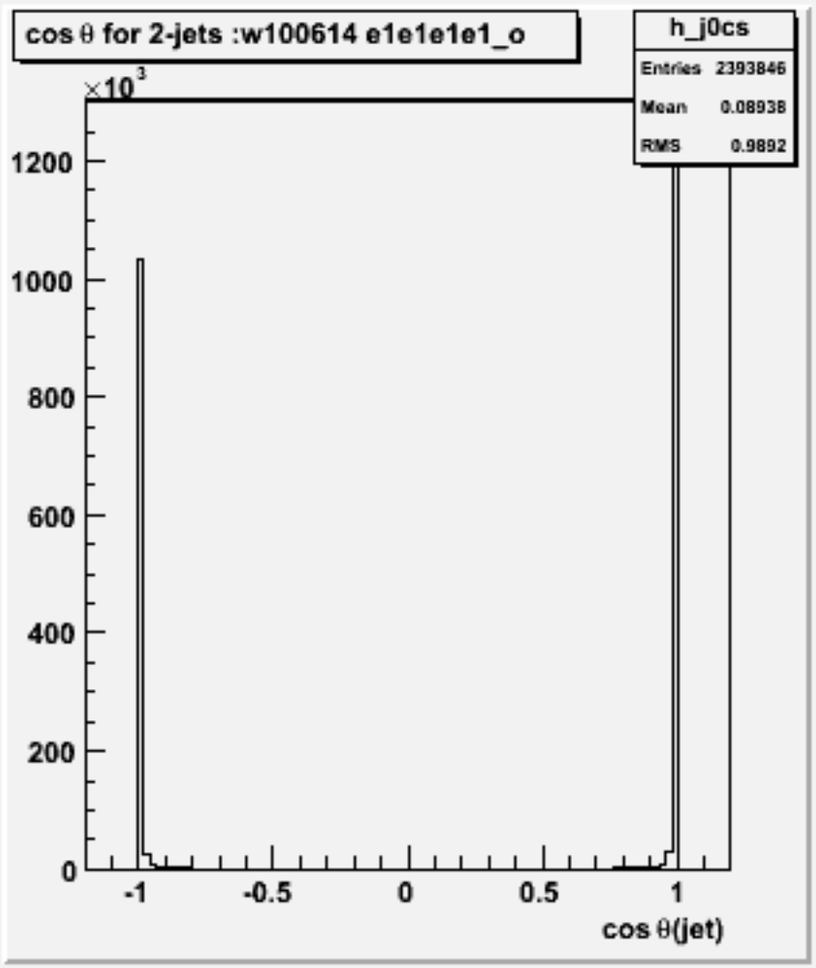

Thrust w100614 e1e1e1e1_o
h_thrust
Entries 1196923
Mean 0.976
RMS 0.03285
×10³
Thrust

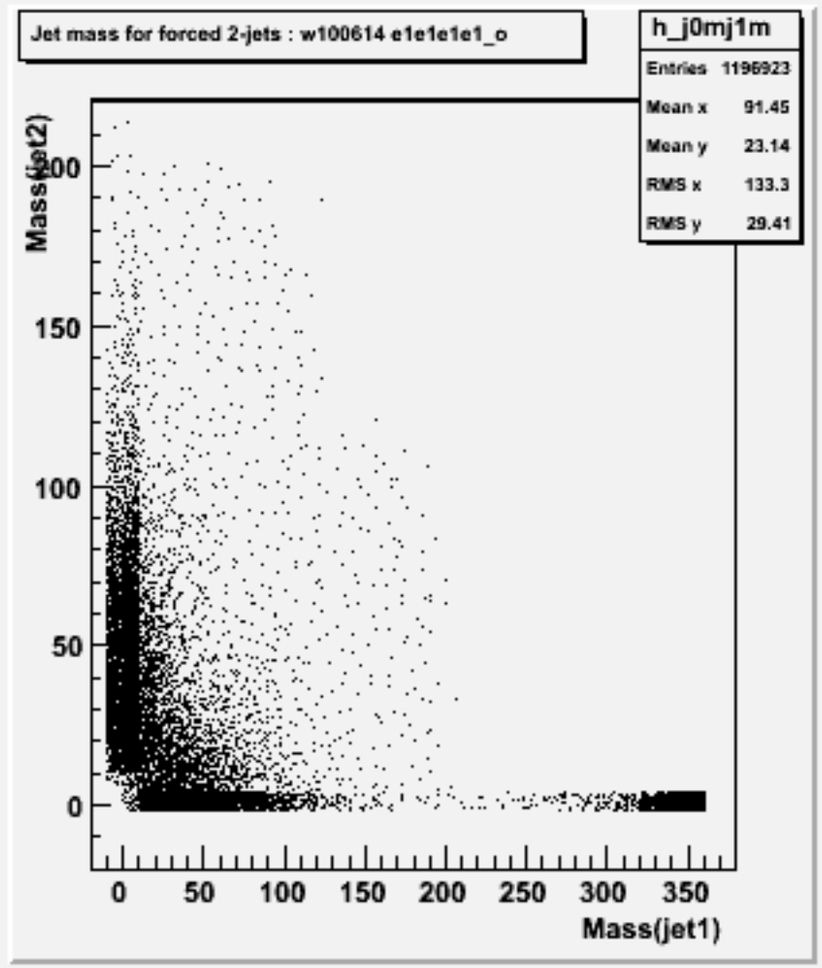

cosΘ(thrust) w100614 e1e1e1e1_o
h_csth
Entries 1196923
Mean 0.001682
RMS 0.9945
×10^3
Thrust

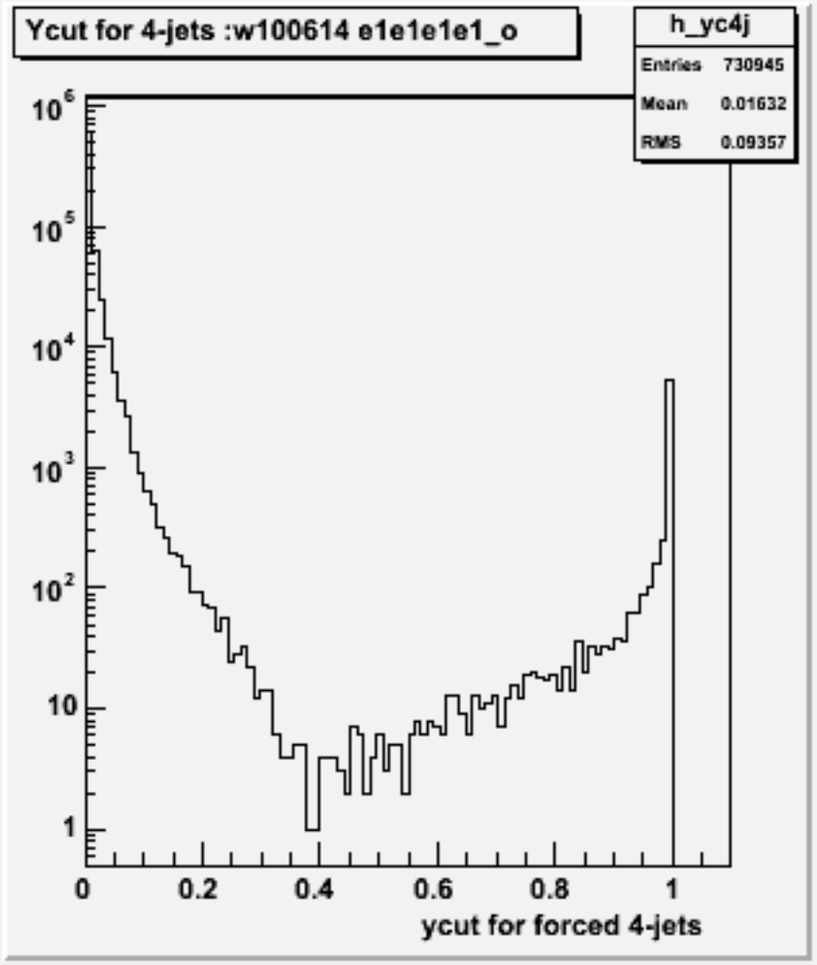

No. jets (ycut=0.001) : w100614 e1e1e1e1_o
h_njets
Entries 1196923
Mean 3.812
RMS 0.8987
×10^3
No. of jets

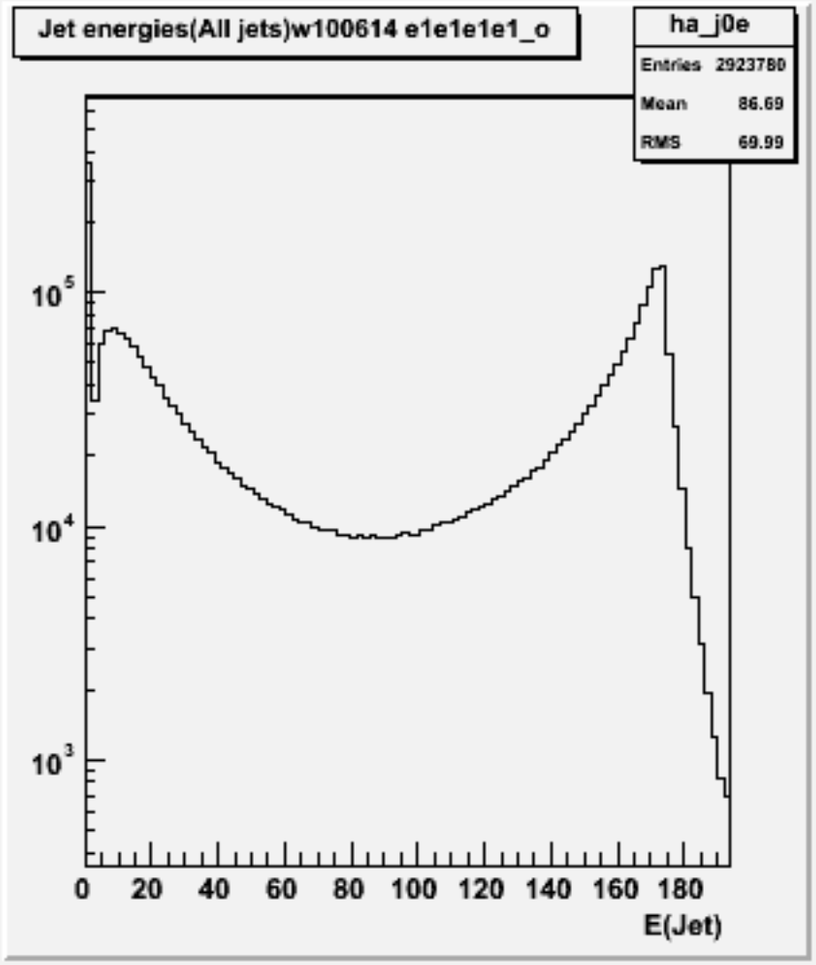

Ycut for 2-jets :w100614 e1e1e1e1_o
h_yc2j
Entries 1196923
Mean 0.1695
RMS 0.3519
×10^3
ycut for forced 2-jets

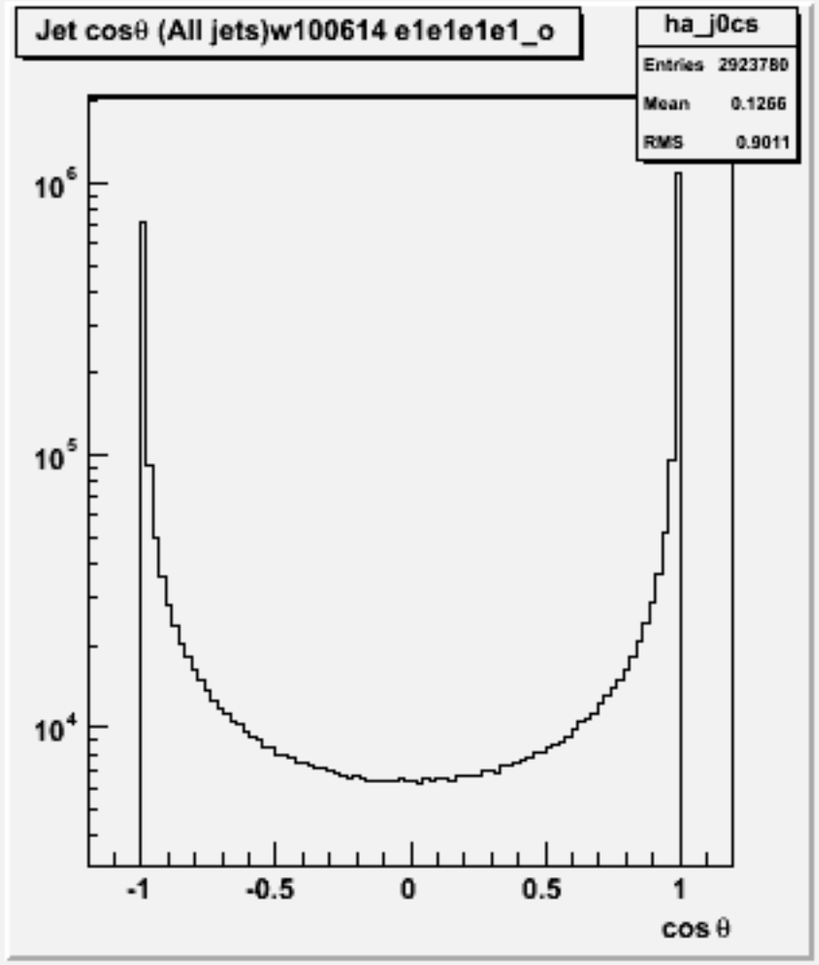

energy for 2-jets :w100614 e1e1e1e1_o
h_j0e
Entries 2393846
Mean 153.5
RMS 55.82
×10^3
Jet energy (GeV)

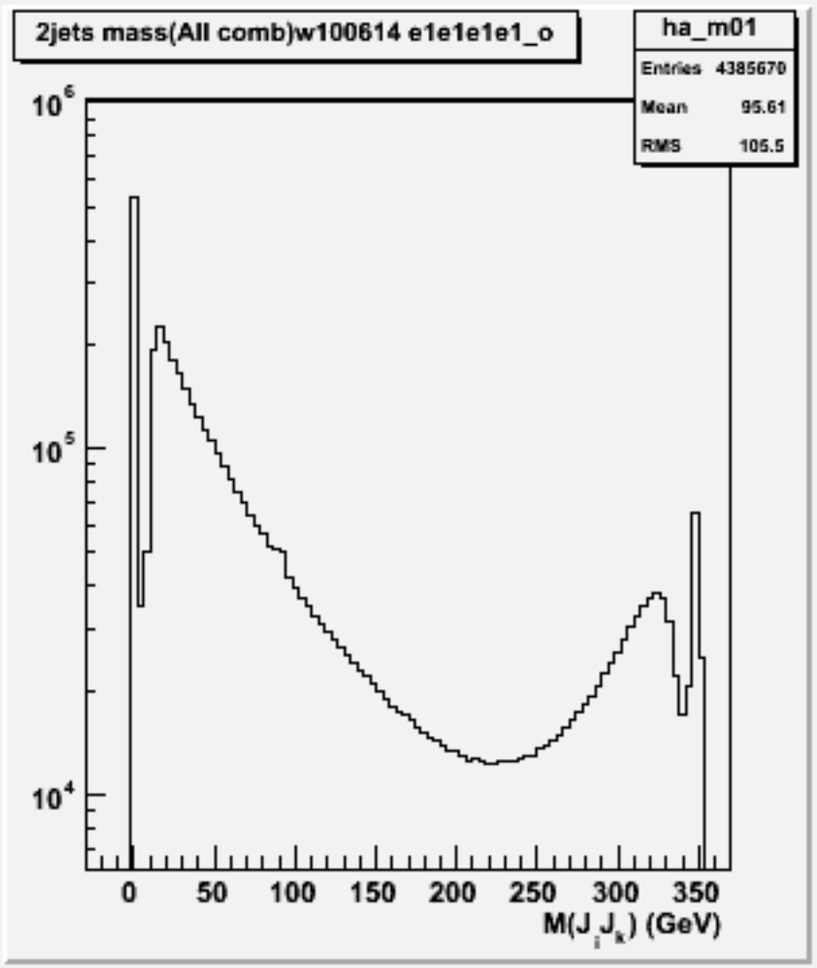

cos θ for 2-jets :w100614 e1e1e1e1_o
h_j0cs
Entries 2393846
Mean 0.08938
RMS 0.9892
×10^3
cos θ(jet)

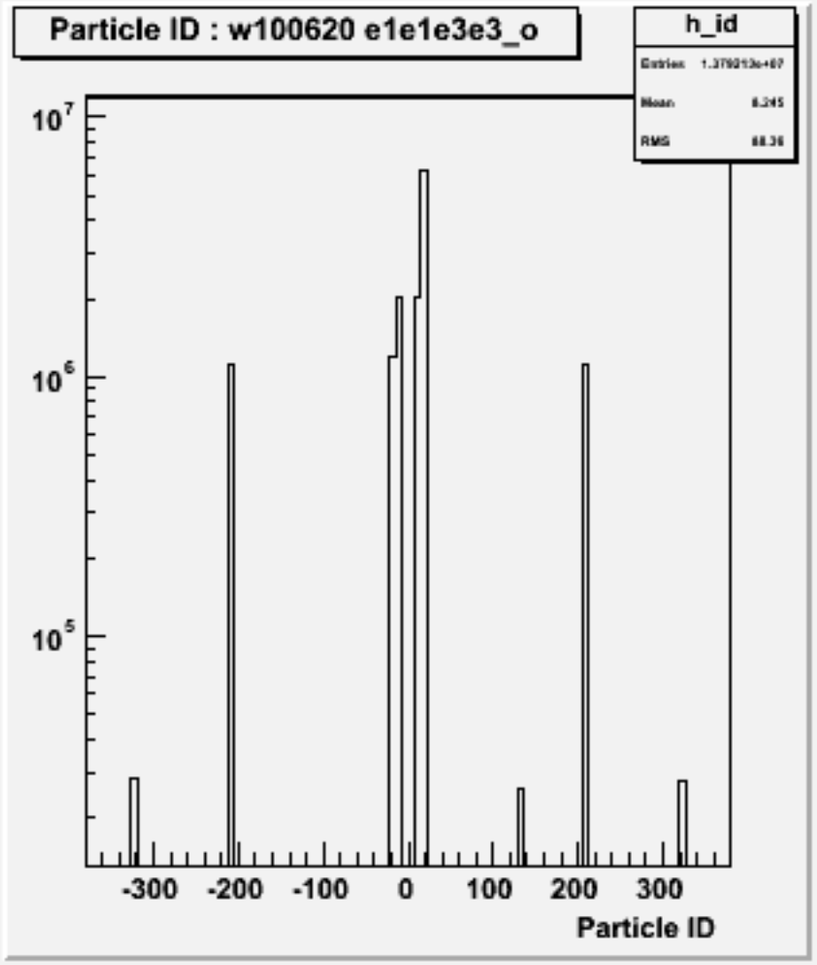

Jet mass for forced 2-jets : w100614 e1e1e1e1_o
h_j0mj1m
Entries 1196923
Mean x 91.45
Mean y 23.14
RMS x 133.3
RMS y 29.41
Mass(jet2)
Mass(jet1)

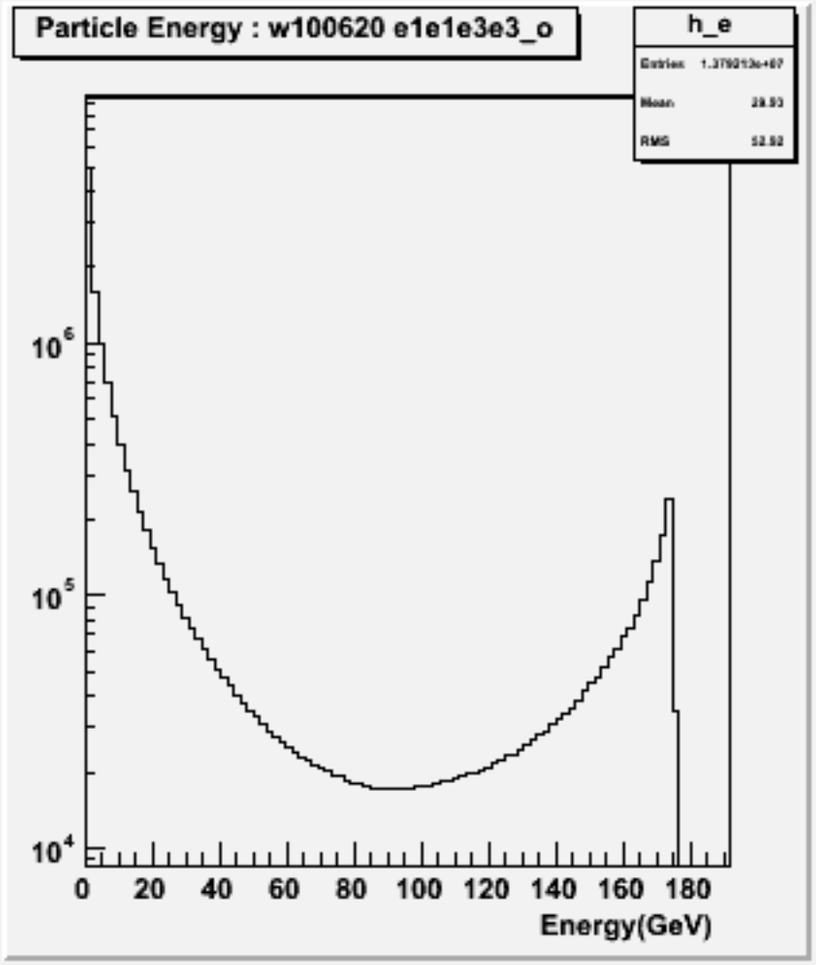

Ycut for 4-jets :w100614 e1e1e1e1_o
h_yc4j
Entries 730945
Mean 0.01632
RMS 0.09357
ycut for forced 4-jets

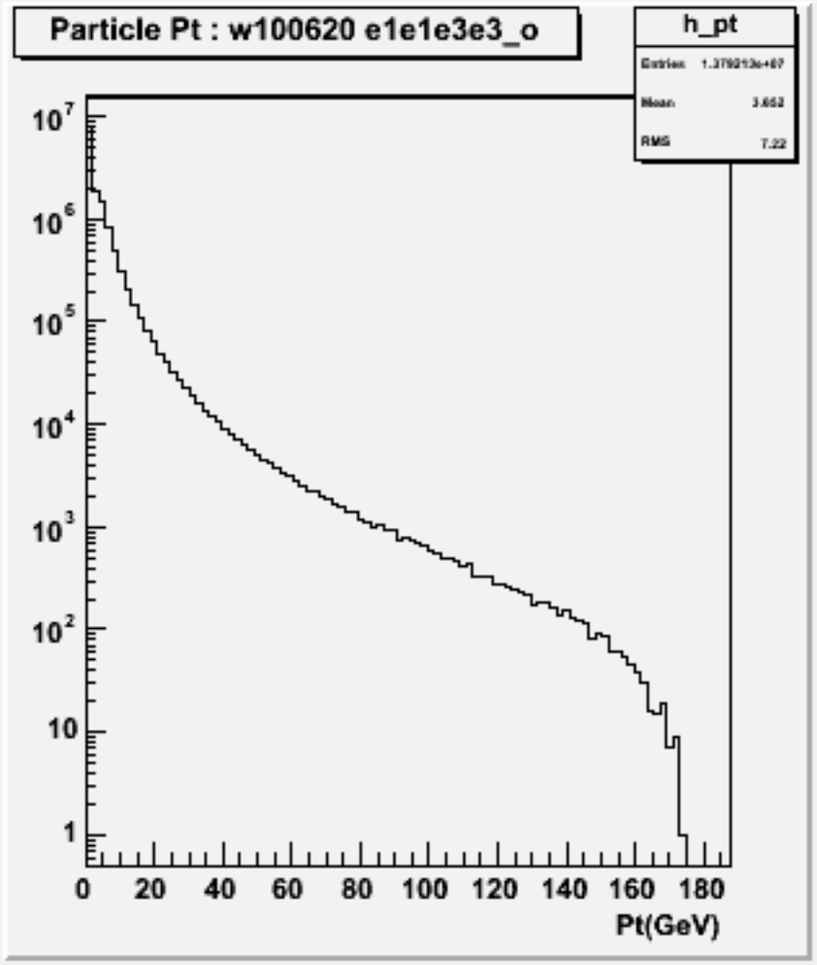

Jet energies(All jets)w100614 e1e1e1e1_o
ha_j0e
Entries 2923780
Mean 86.69
RMS 69.99
E(Jet)

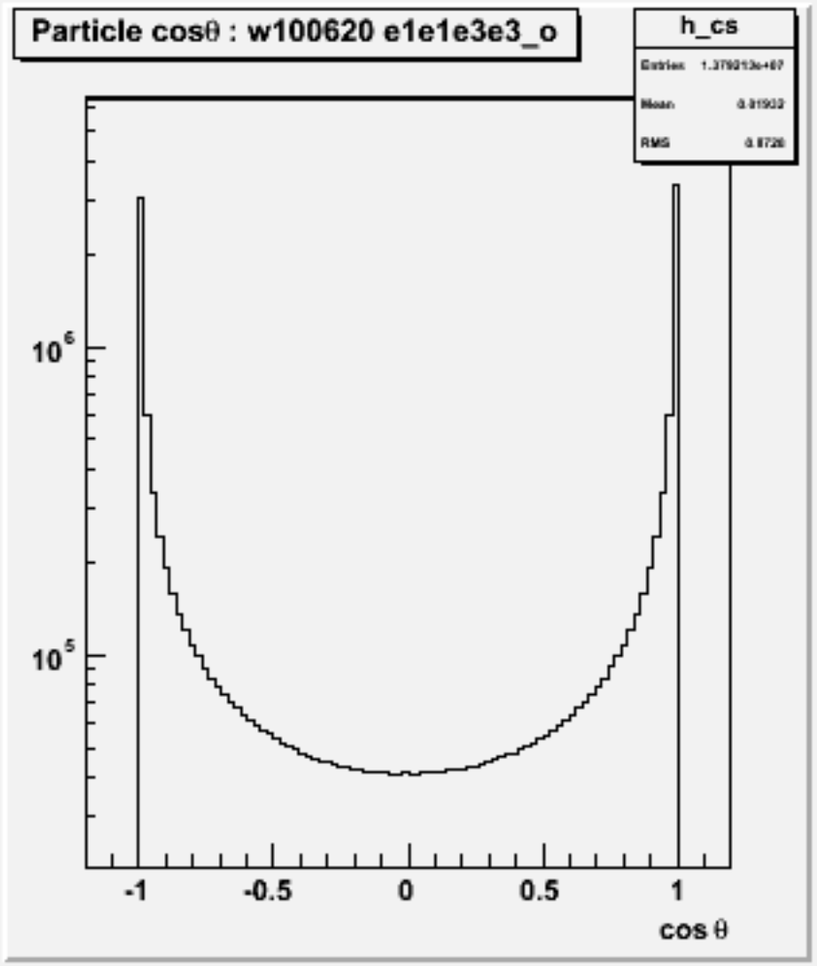

Jet cosθ (All jets)w100614 e1e1e1e1_o
ha_j0cs
Entries 2923780
Mean 0.1266
RMS 0.9011
cos θ

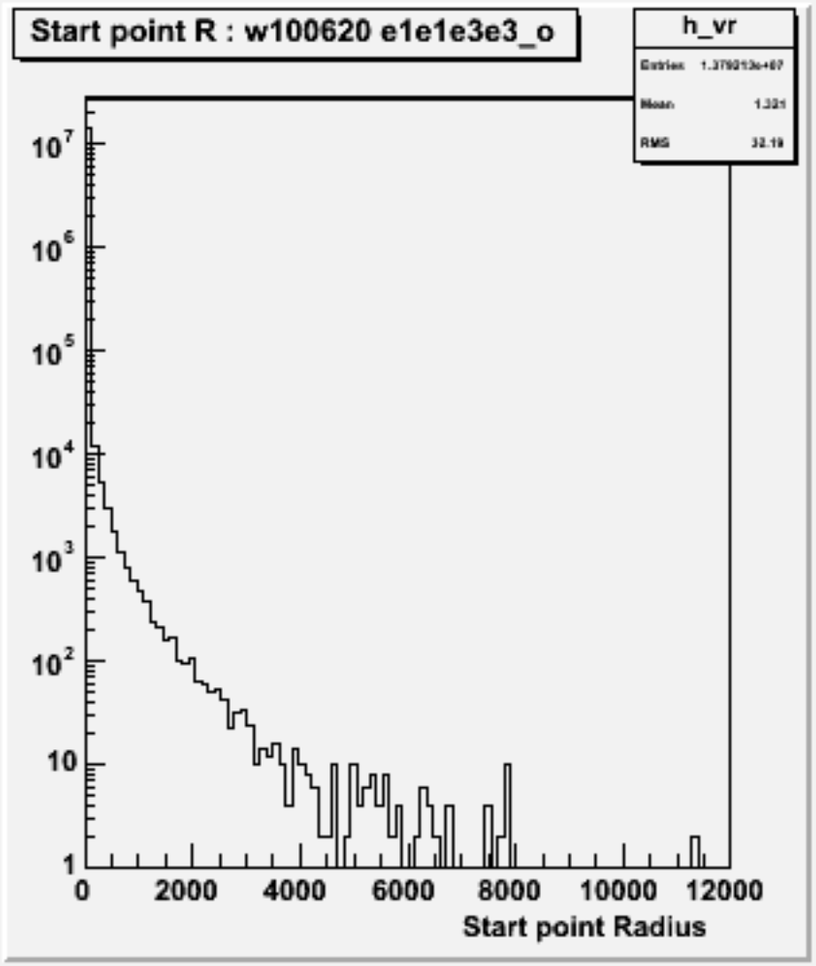

2jets mass(All comb)w100614 e1e1e1e1_o
ha_m01
Entries 4385670
Mean 95.61
RMS 105.5
M(J_iJ_k) (GeV)

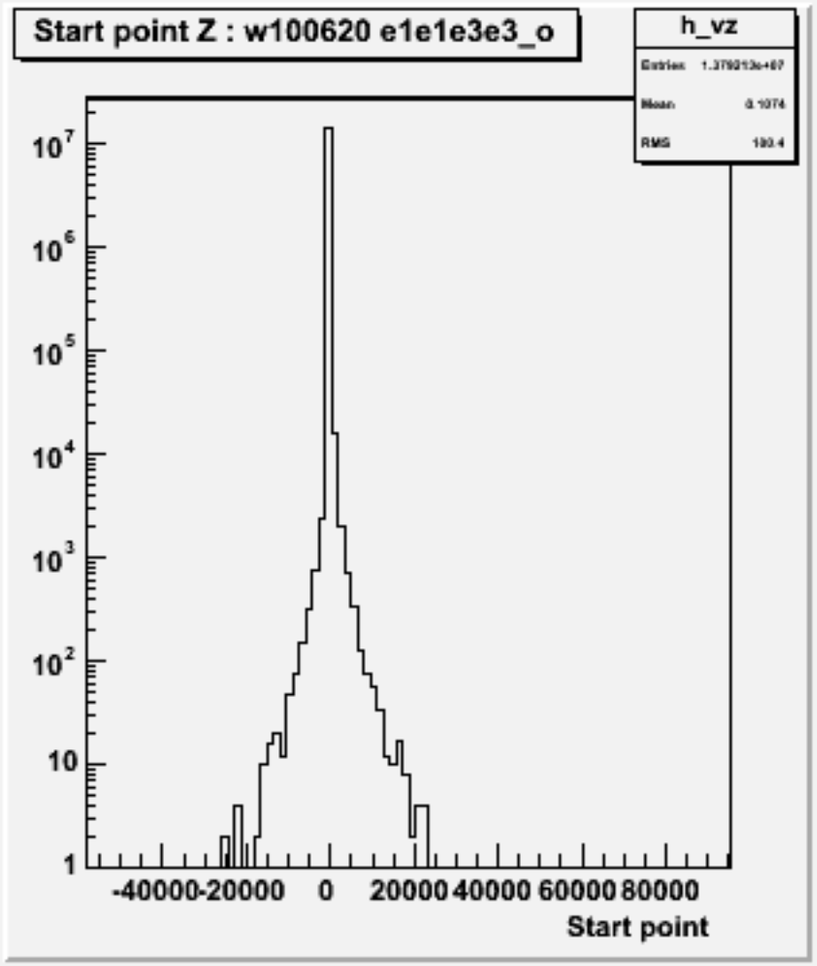

Particle ID : w100620 e1e1e3e3_o
h_id
Entries 1.379213e+07
Mean 8.245
RMS 88.36
10^7
10^6
10^5
-300 -200 -100 0 100 200 300
Particle ID

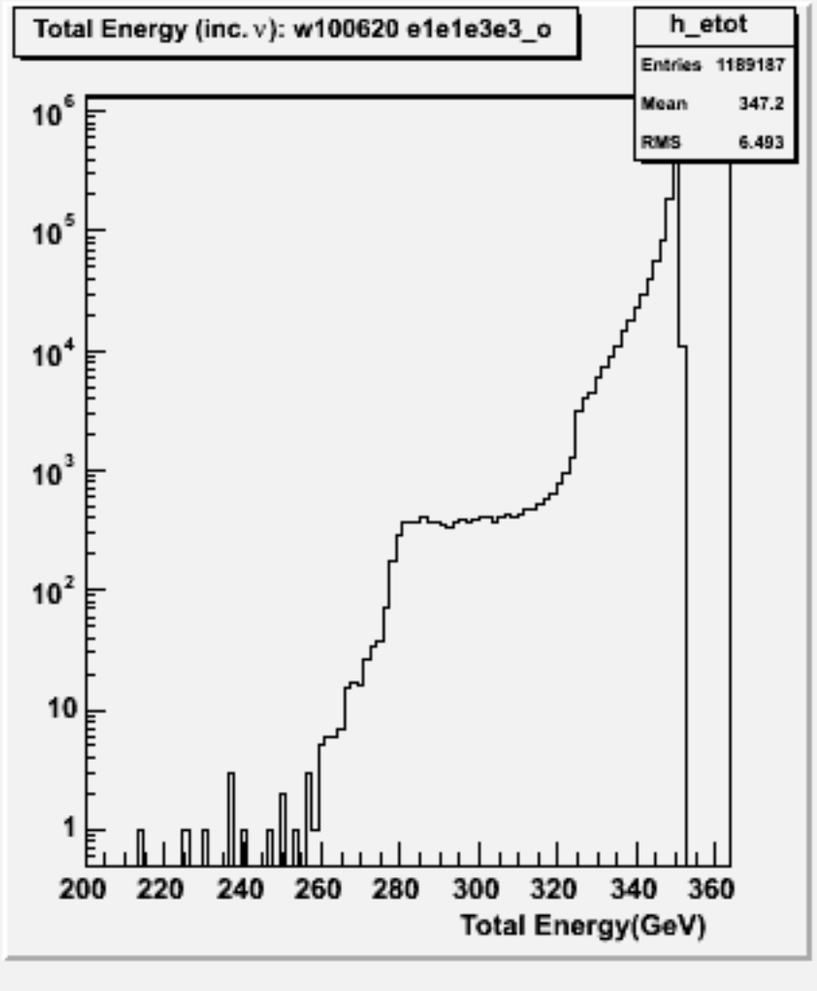

Particle Energy : w100620 e1e1e3e3_o
h_e
Entries 1.379213e+07
Mean 29.93
RMS 52.92
10^6
10^5
10^4
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

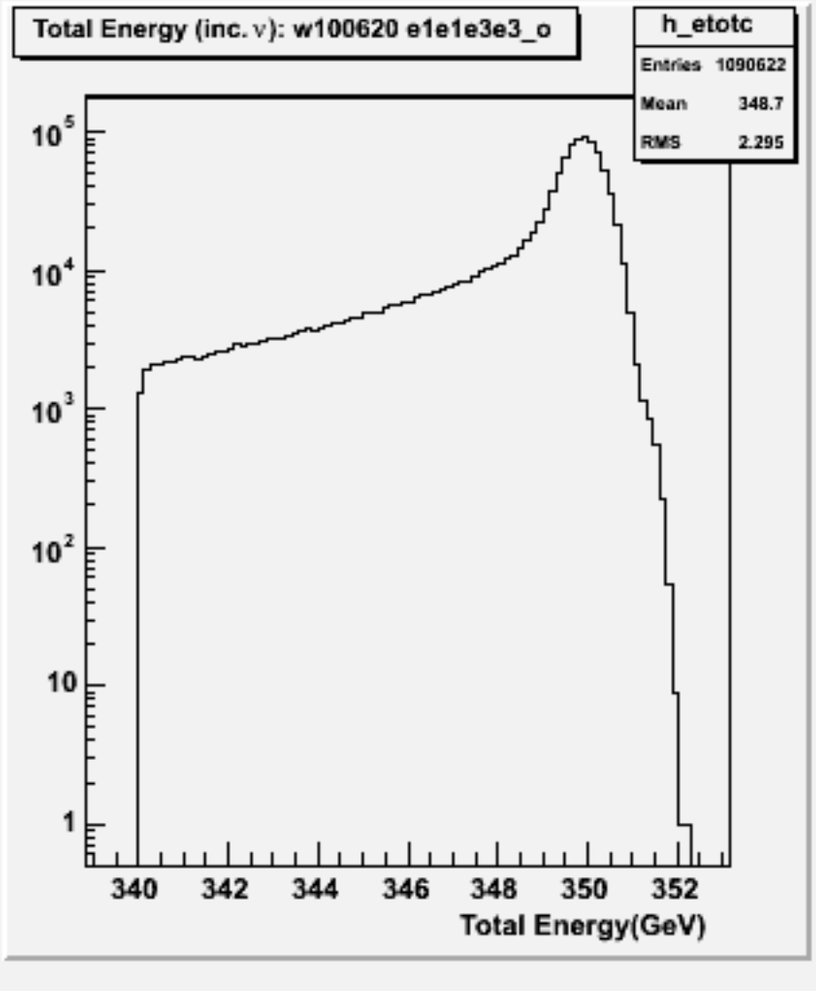

Particle Pt : w100620 e1e1e3e3_o
h_pt
Entries 1.379213e+07
Mean 3.652
RMS 7.22
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

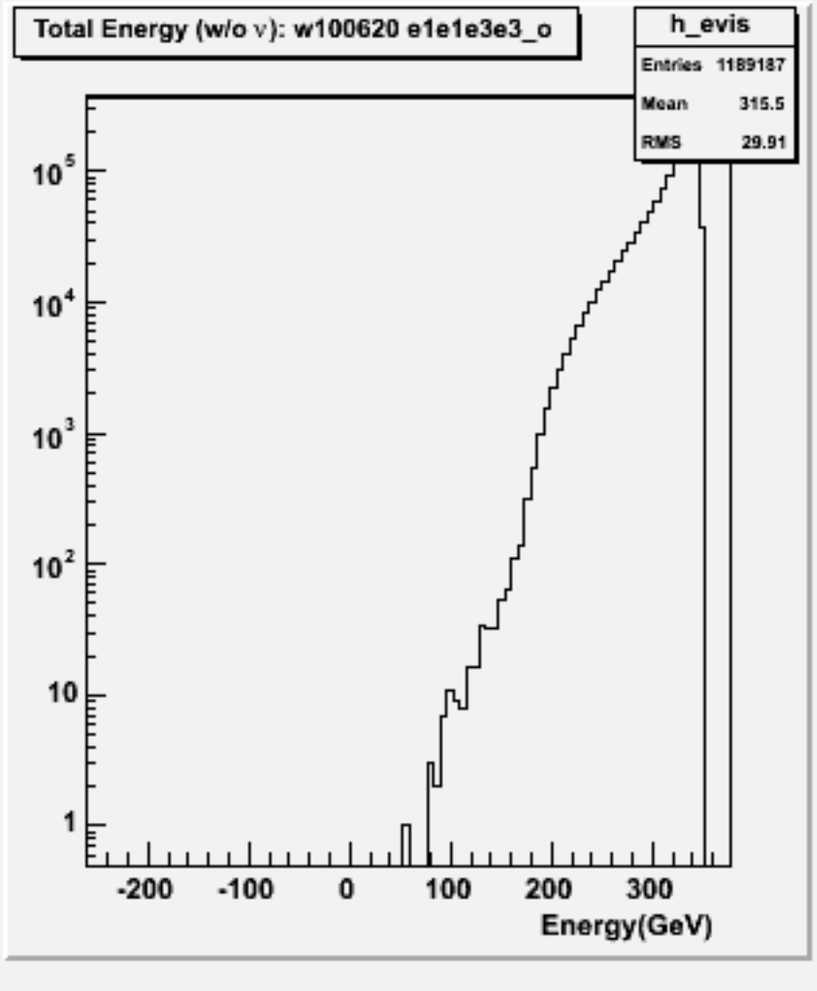

Particle cosθ : w100620 e1e1e3e3_o
h_cs
Entries 1.379213e+07
Mean 0.01933
RMS 0.8726
10^6
10^5
-1 -0.5 0 0.5 1
cos θ

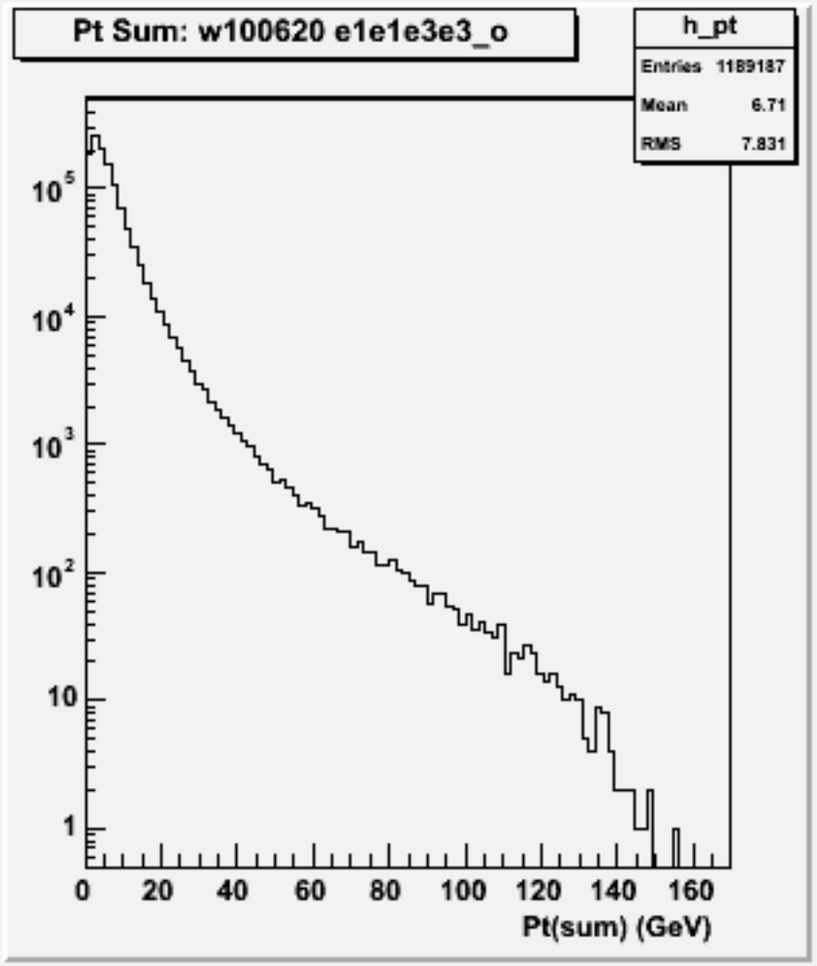

Start point R : w100620 e1e1e3e3_o
h_vr
Entries 1.379213e+07
Mean 1.331
RMS 32.19
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000
Start point Radius

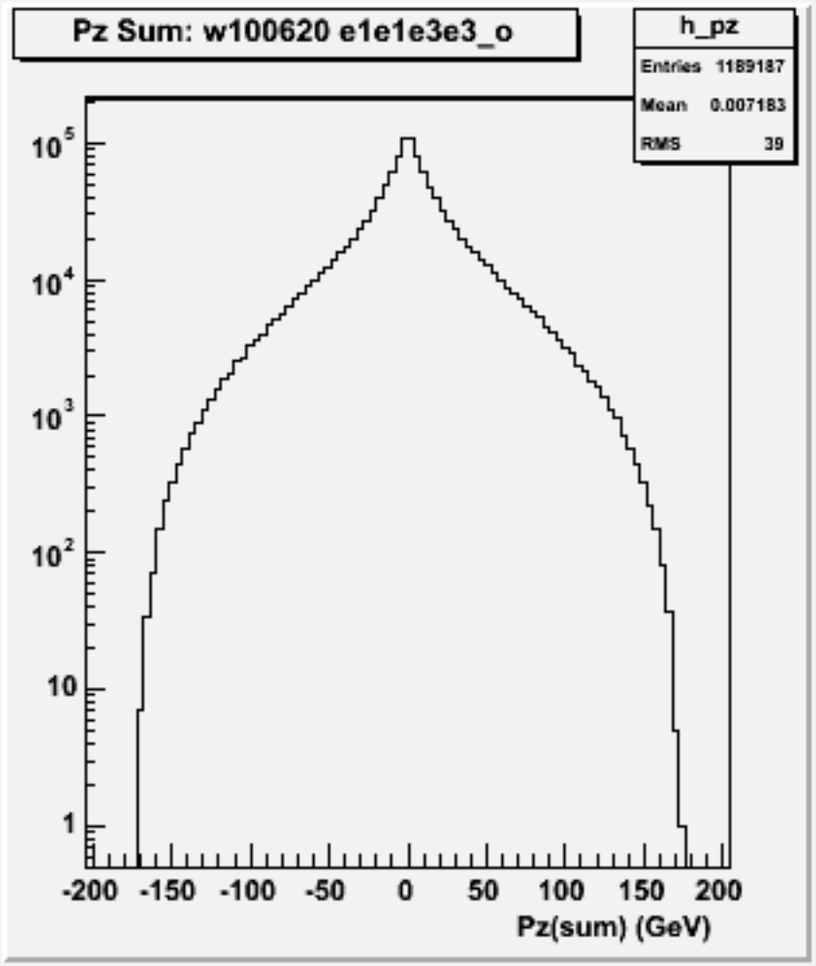

Start point Z : w100620 e1e1e3e3_o
h_vz
Entries 1.379213e+07
Mean 0.1074
RMS 193.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-40000 -20000 0 20000 40000 60000 80000
Start point

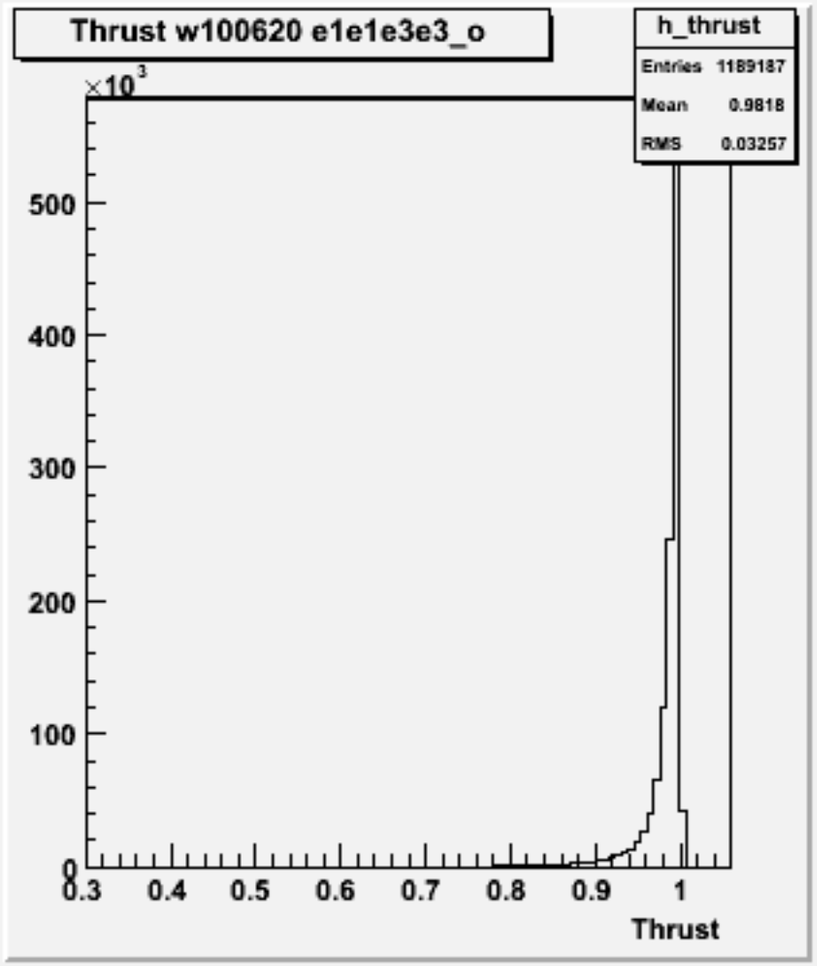

Total Energy (inc. ν): w100620 e1e1e3e3_o
h_etot
Entries 1189187
Mean 347.2
RMS 6.493
Total Energy(GeV)

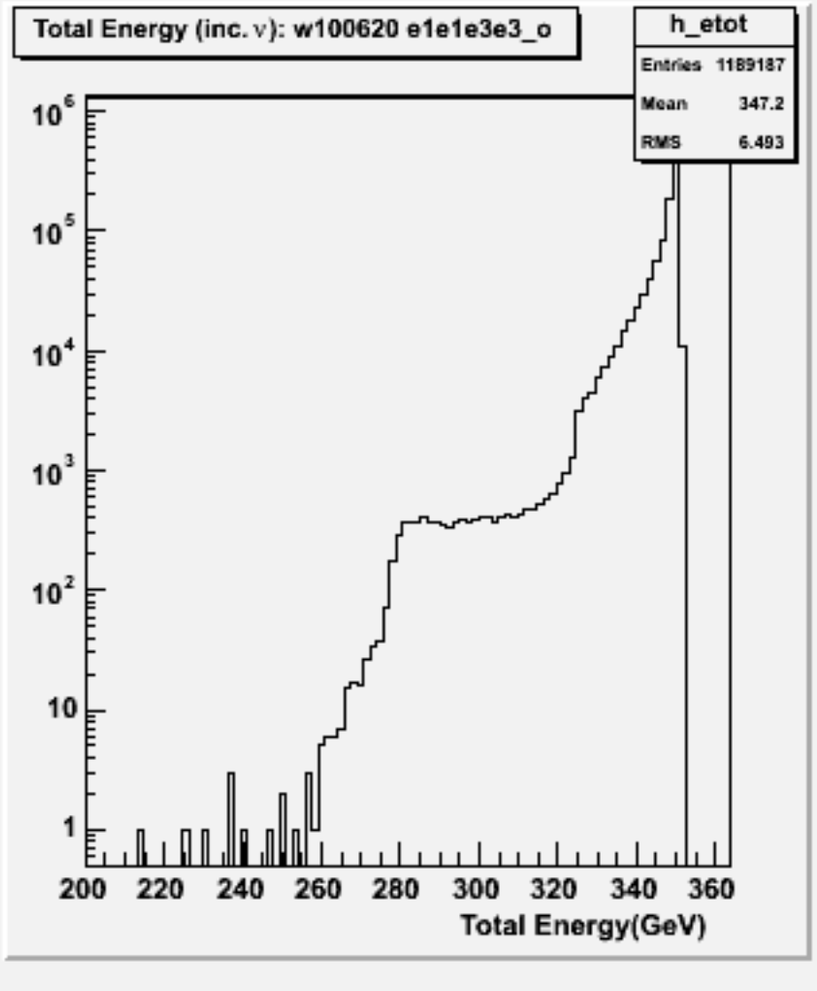

Total Energy (inc. ν): w100620 e1e1e3e3_o
h_etotc
Entries 1090622
Mean 348.7
RMS 2.295
Total Energy(GeV)

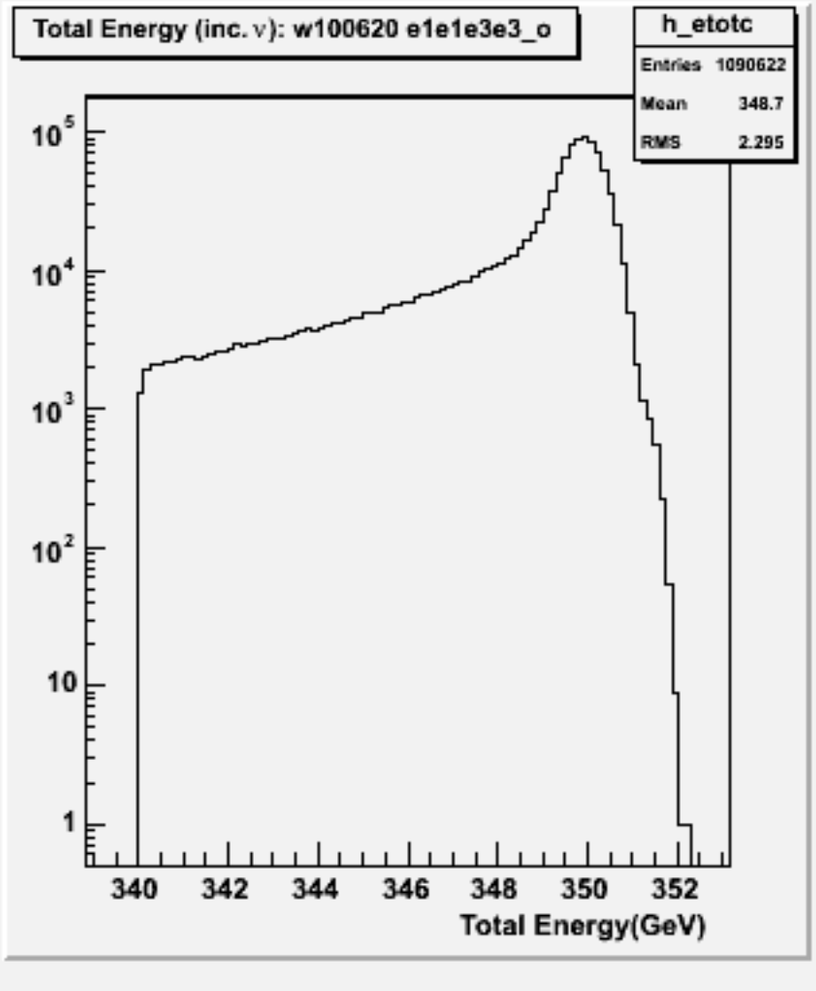

Total Energy (w/o ν): w100620 e1e1e3e3_o
h_evis
Entries 1189187
Mean 315.5
RMS 29.91
Energy(GeV)

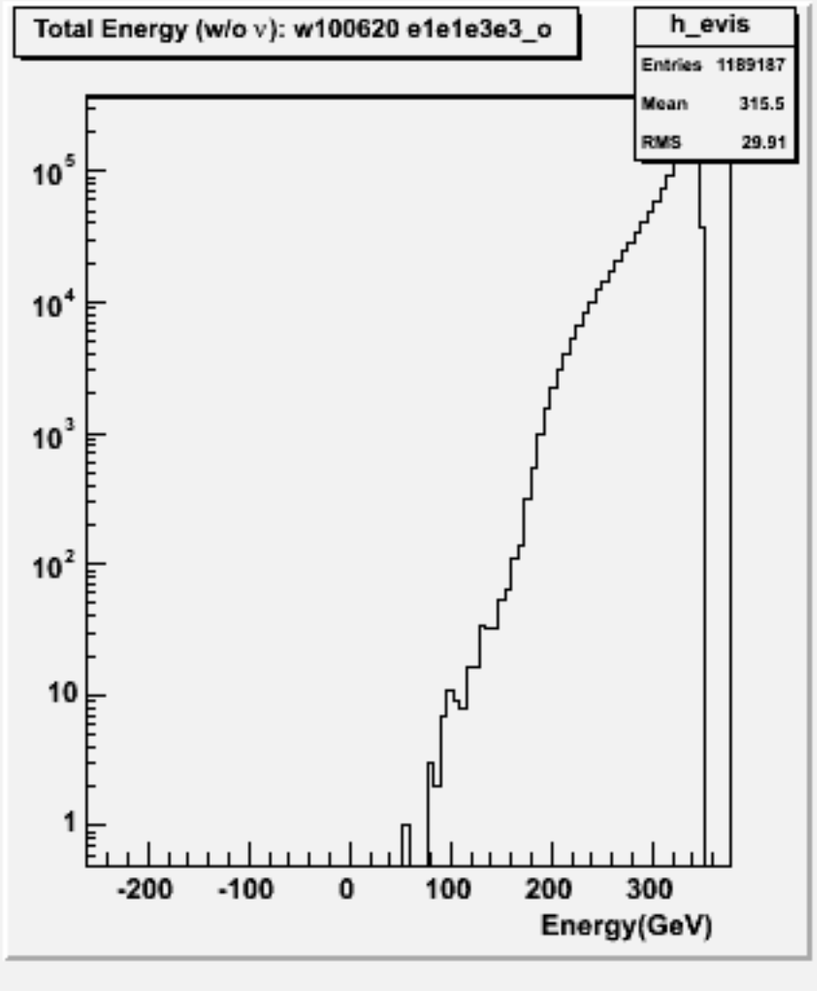

Pt Sum: w100620 e1e1e3e3_o
h_pt
Entries 1189187
Mean 6.71
RMS 7.831
Pt(sum) (GeV)

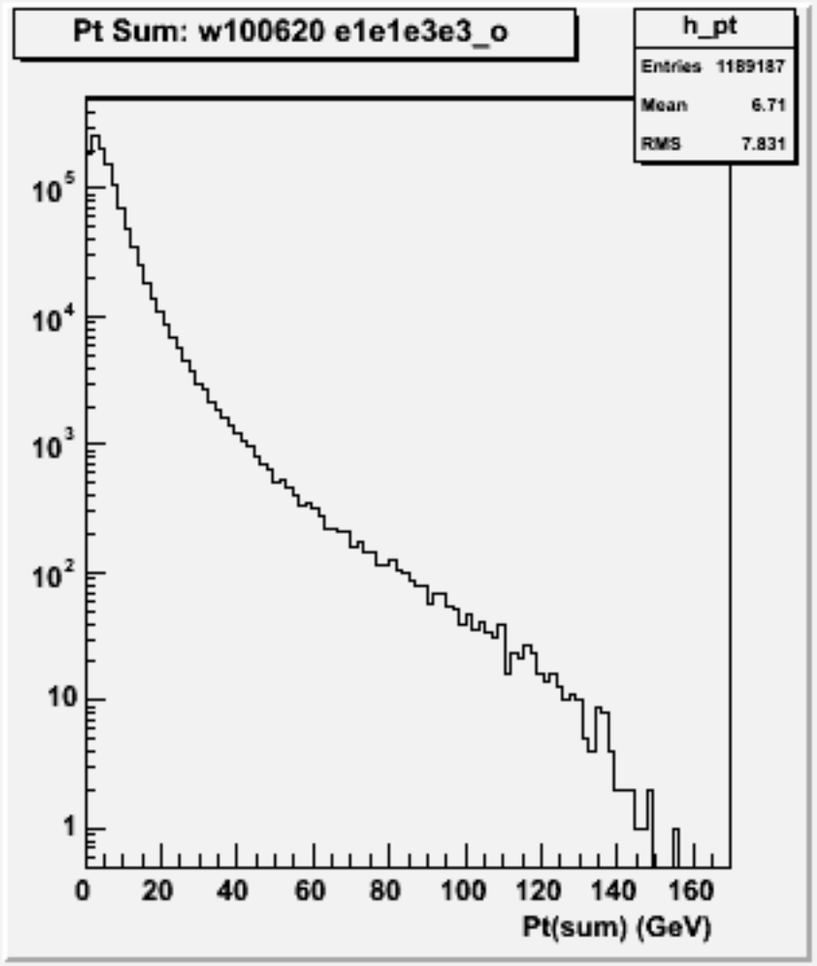

Pz Sum: w100620 e1e1e3e3_o
h_pz
Entries 1189187
Mean 0.007183
RMS 39
Pz(sum) (GeV)

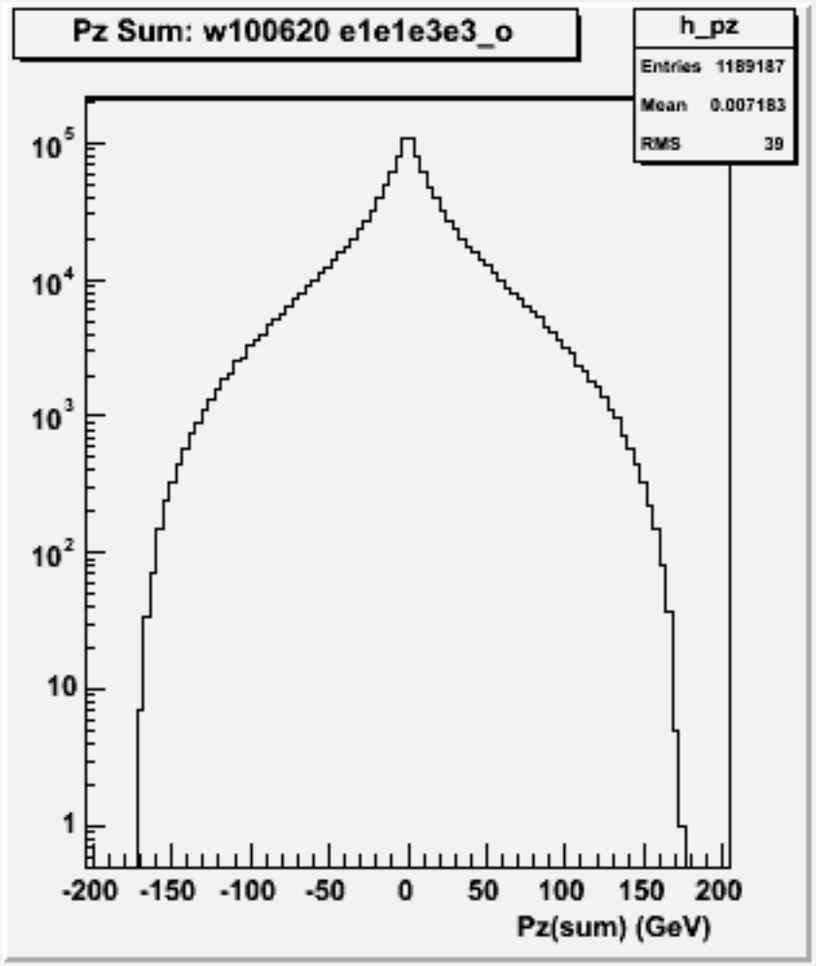

Thrust w100620 e1e1e3e3_o
h_thrust
Entries 1189187
Mean 0.9818
RMS 0.03257
Thrust

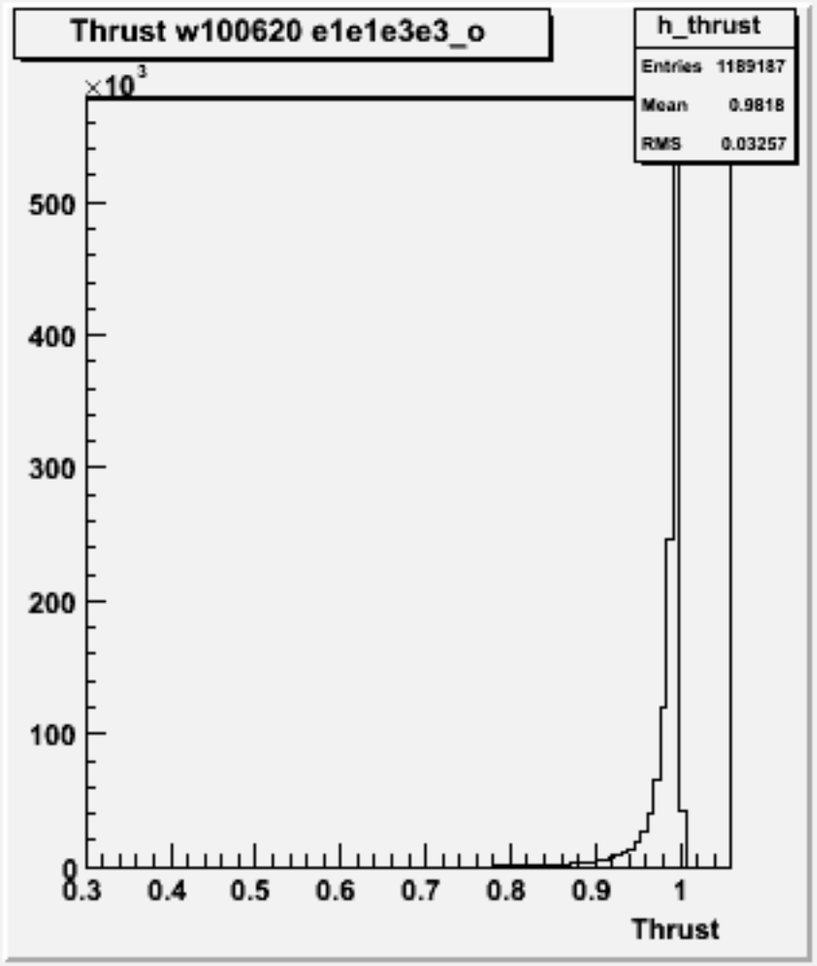

Total Energy (inc. ν): w100620 e1e1e3e3_o
h_etot
Entries 1189187
Mean 347.2
RMS 6.493
Total Energy(GeV)

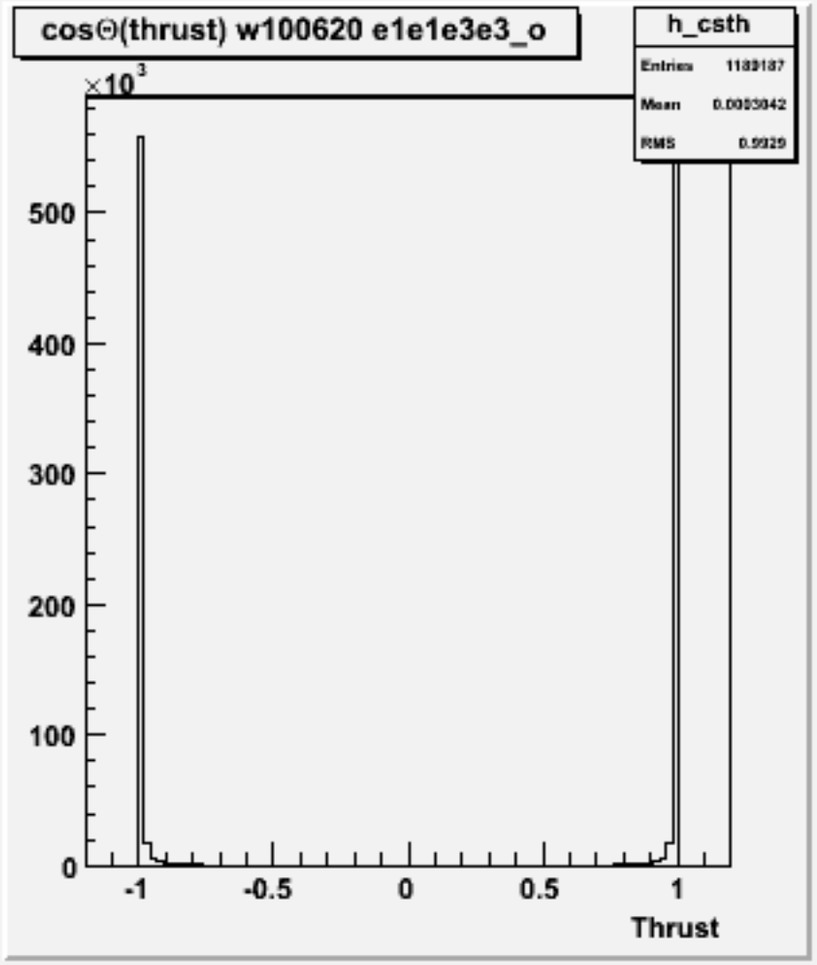

Total Energy (inc. ν): w100620 e1e1e3e3_o
h_etotc
Entries 1090622
Mean 348.7
RMS 2.295
Total Energy(GeV)

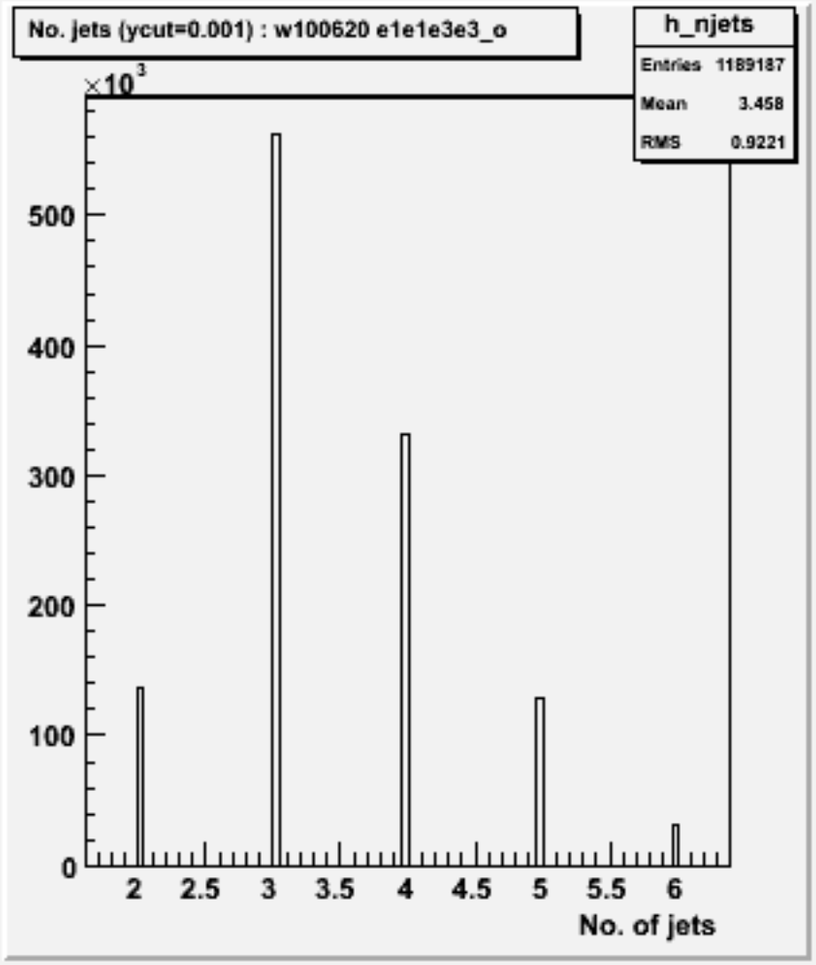

Total Energy (w/o ν): w100620 e1e1e3e3_o
h_evis
Entries 1189187
Mean 315.5
RMS 29.91
Energy(GeV)

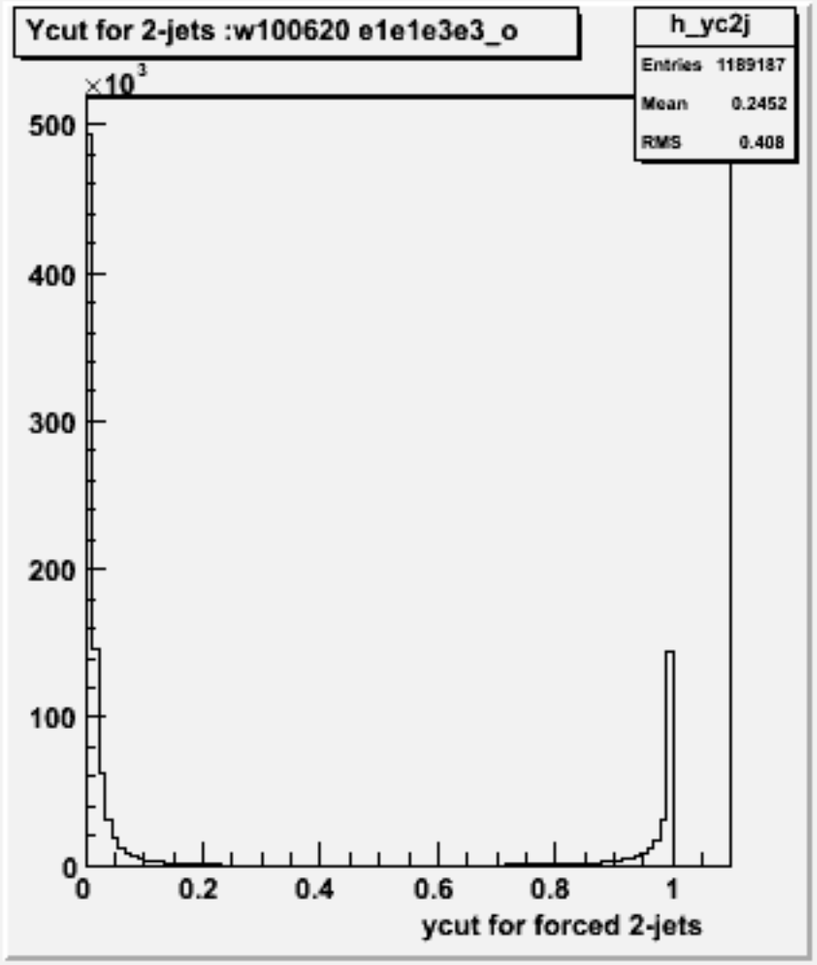

Pt Sum: w100620 e1e1e3e3_o
h_pt
Entries 1189187
Mean 6.71
RMS 7.831
Pt(sum) (GeV)

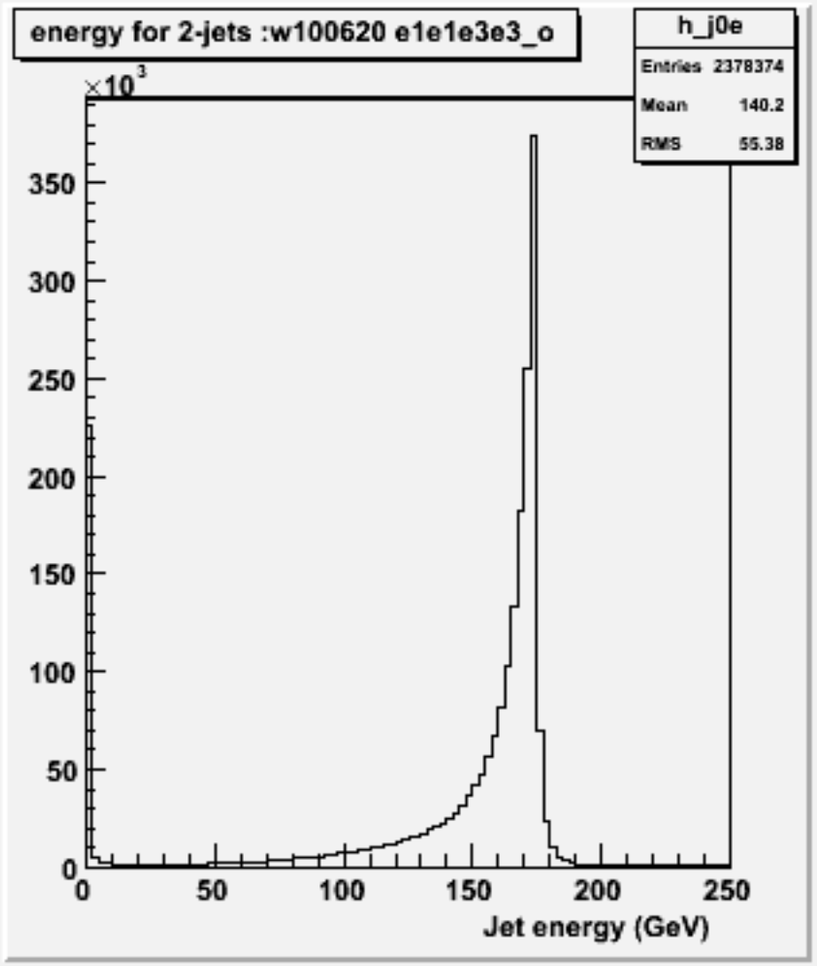

Pz Sum: w100620 e1e1e3e3_o
h_pz
Entries 1189187
Mean 0.007183
RMS 39
Pz(sum) (GeV)

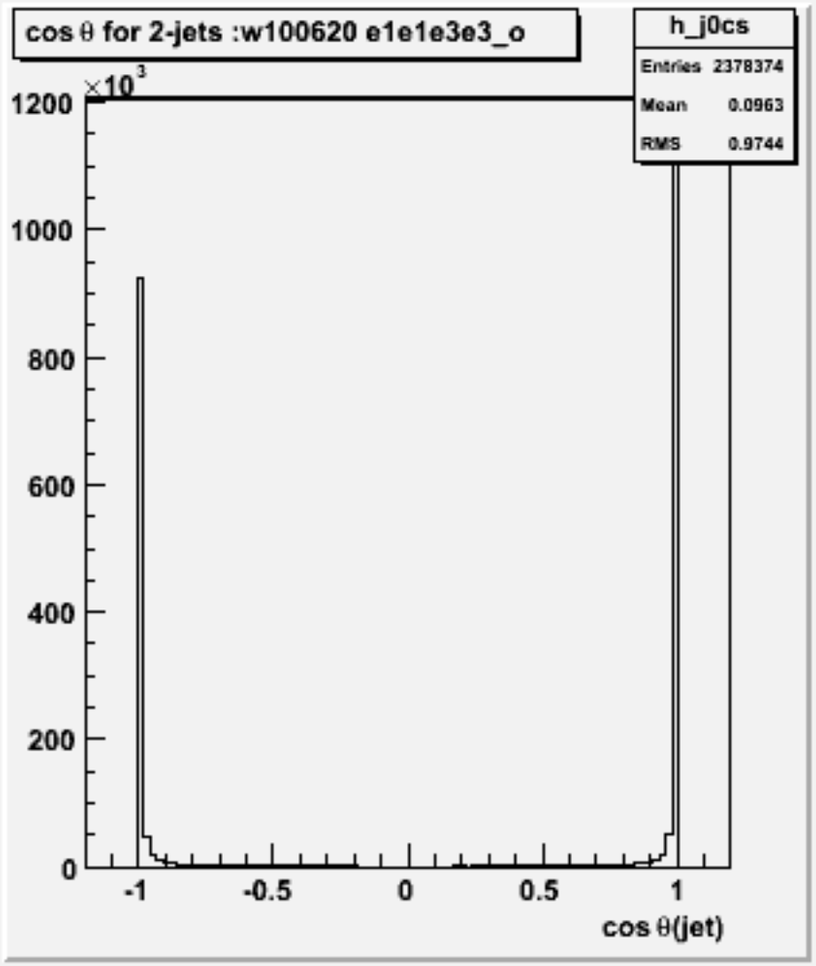

Thrust w100620 e1e1e3e3_o
h_thrust
Entries 1189187
Mean 0.9818
RMS 0.03257
Thrust

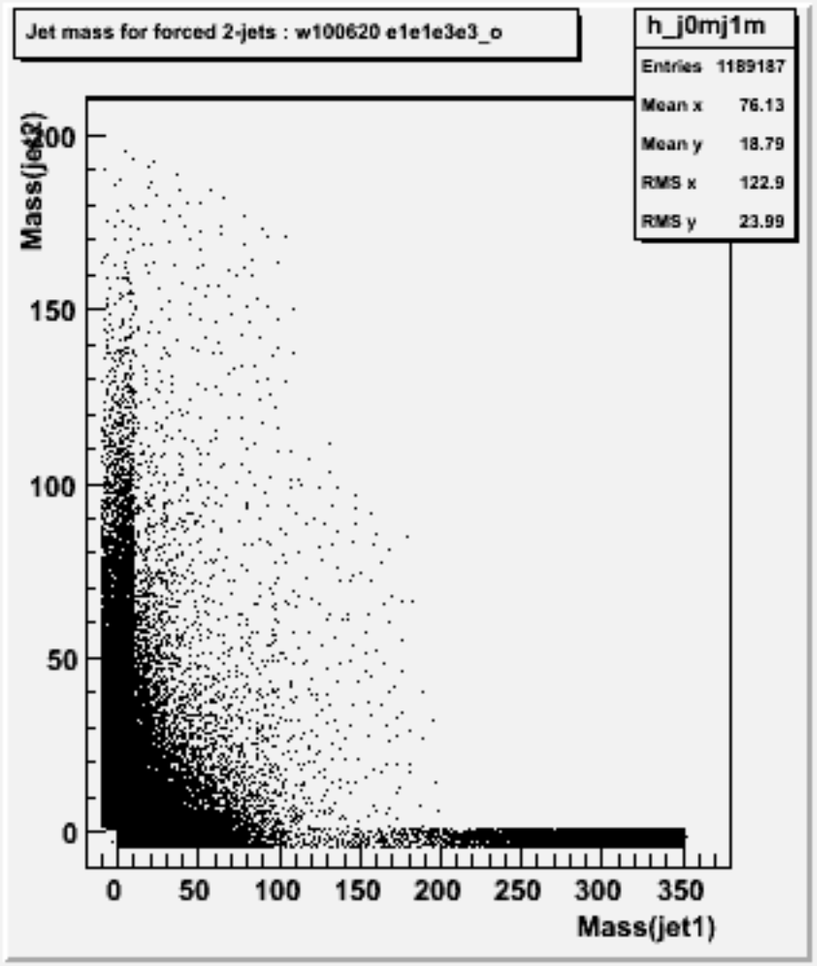

cosΘ(thrust) w100620 e1e1e3e3_o
h_csth
Entries 1189187
Mean 0.0003842
RMS 0.5929
×10^3
500
400
300
200
100
0
-1
-0.5
0
0.5
1
Thrust

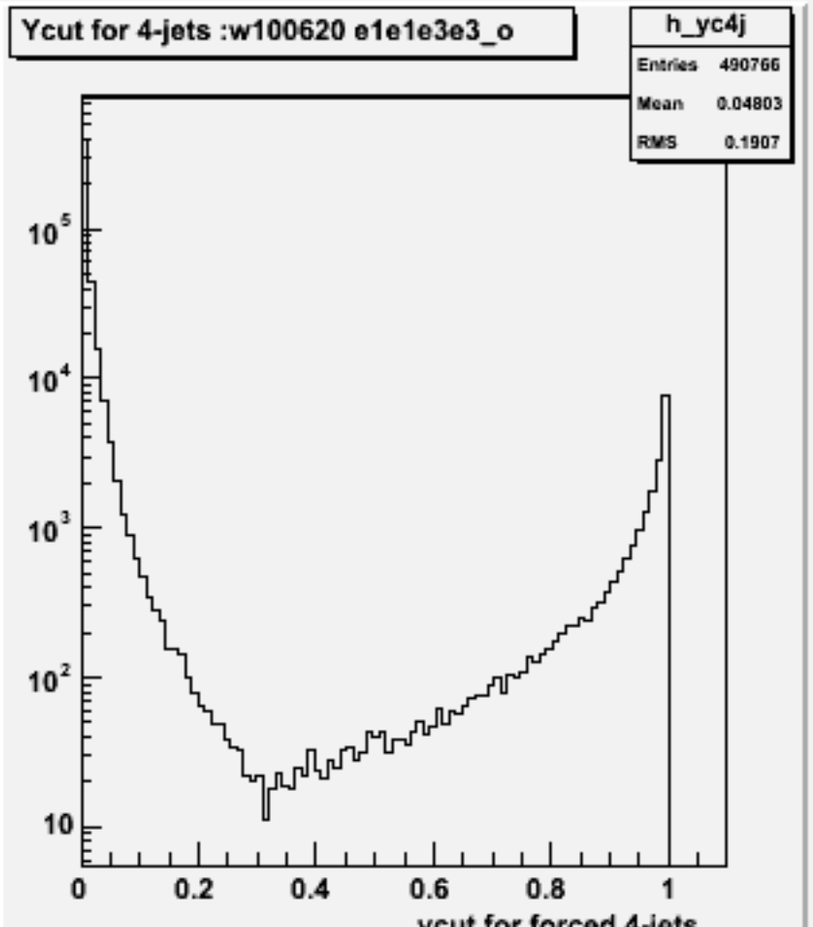

No. jets (ycut=0.001) : w100620 e1e1e3e3_o
h_njets
Entries 1189187
Mean 3.458
RMS 0.9221
×10^3
500
400
300
200
100
0
2
2.5
3
3.5
4
4.5
5
5.5
6
No. of jets

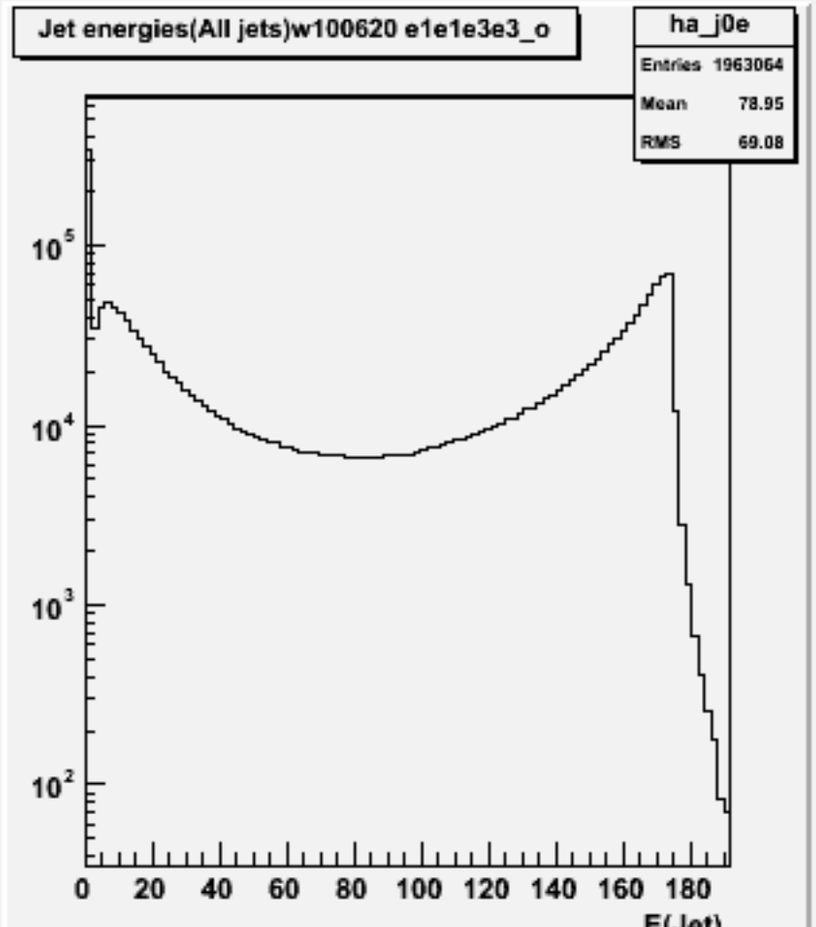

Ycut for 2-jets :w100620 e1e1e3e3_o
h_yc2j
Entries 1189187
Mean 0.2452
RMS 0.408
×10^3
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

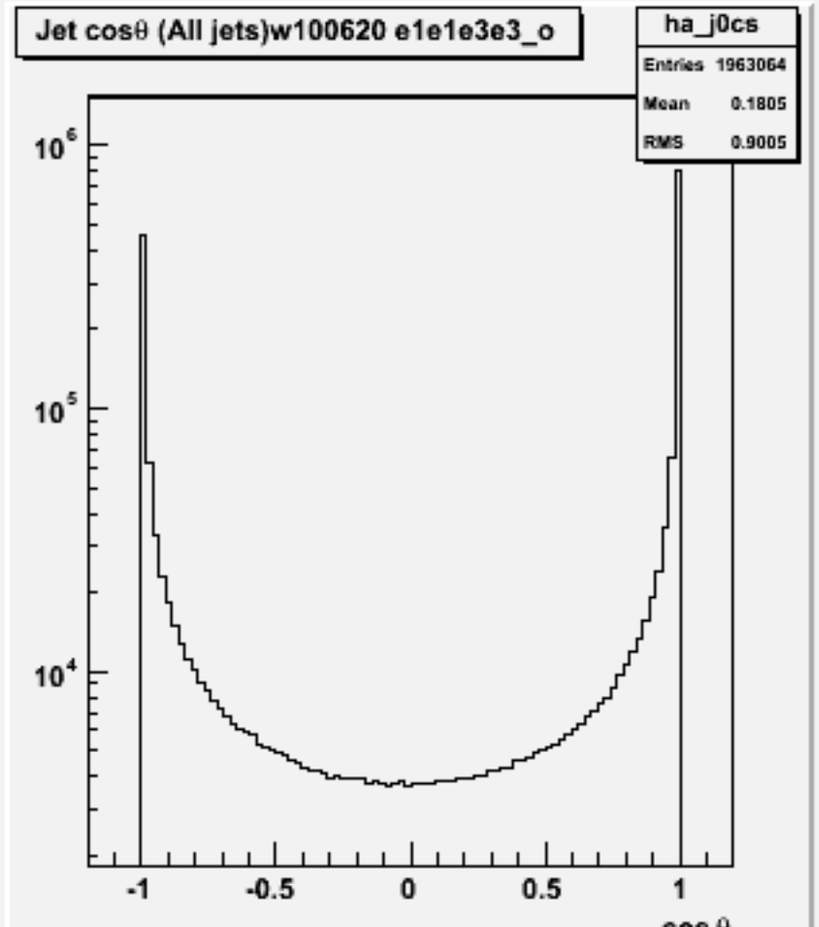

energy for 2-jets :w100620 e1e1e3e3_o
h_j0e
Entries 2378374
Mean 140.2
RMS 55.38
×10^3
350
300
250
200
150
100
50
0
0
50
100
150
200
250
Jet energy (GeV)

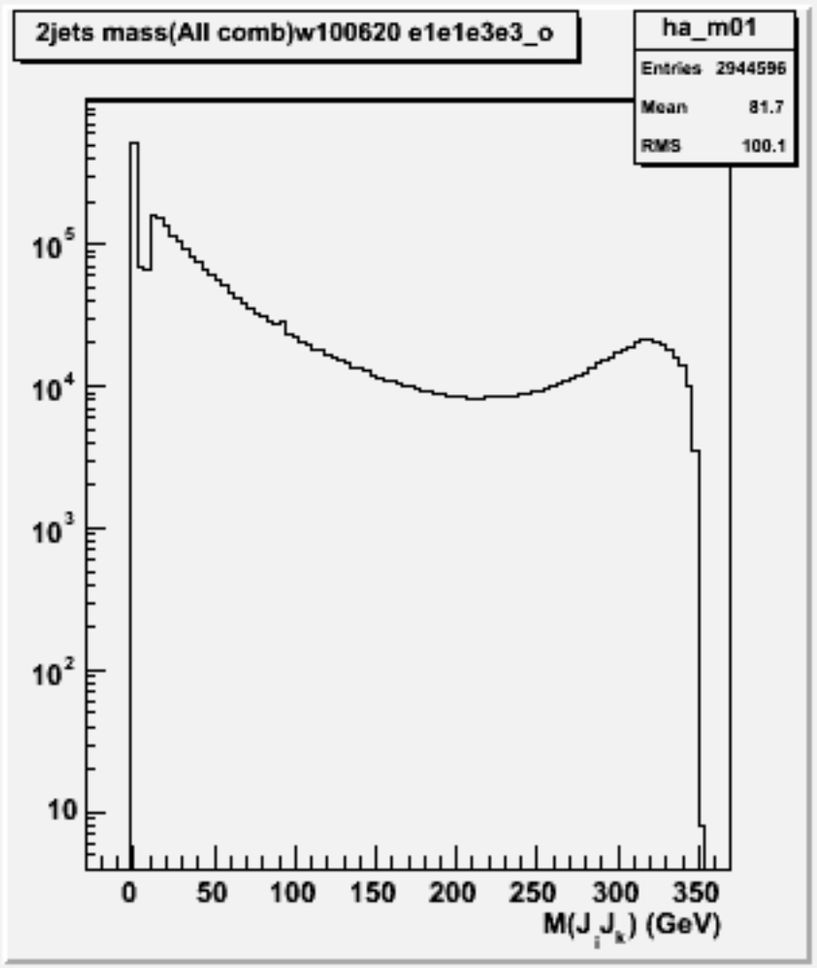

cos θ for 2-jets :w100620 e1e1e3e3_o
h_j0cs
Entries 2378374
Mean 0.0963
RMS 0.9744
×10^3
1200
1000
800
600
400
200
0
-1
-0.5
0
0.5
1
cos θ(jet)

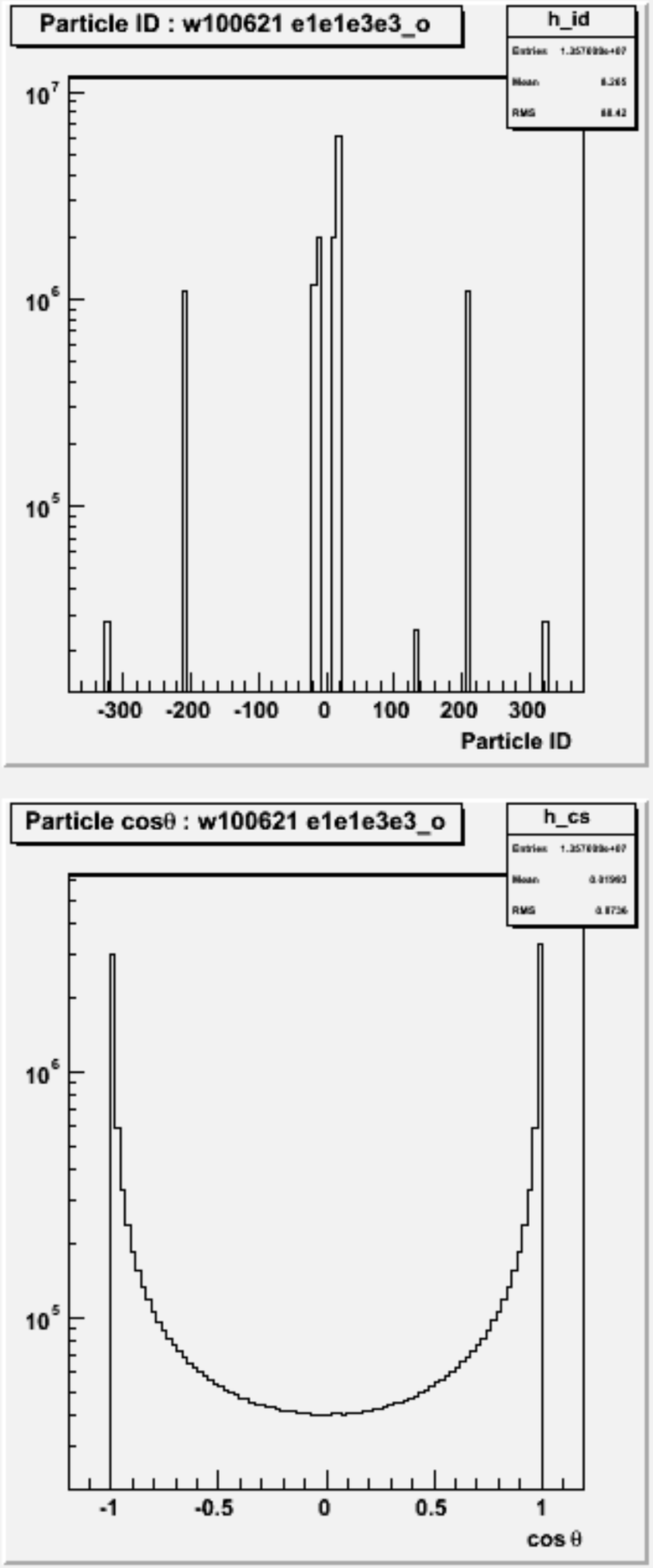

Jet mass for forced 2-jets : w100620 e1e1e3e3_o
h_j0mj1m
Entries 1189187
Mean x 76.13
Mean y 18.79
RMS x 122.9
RMS y 23.99
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

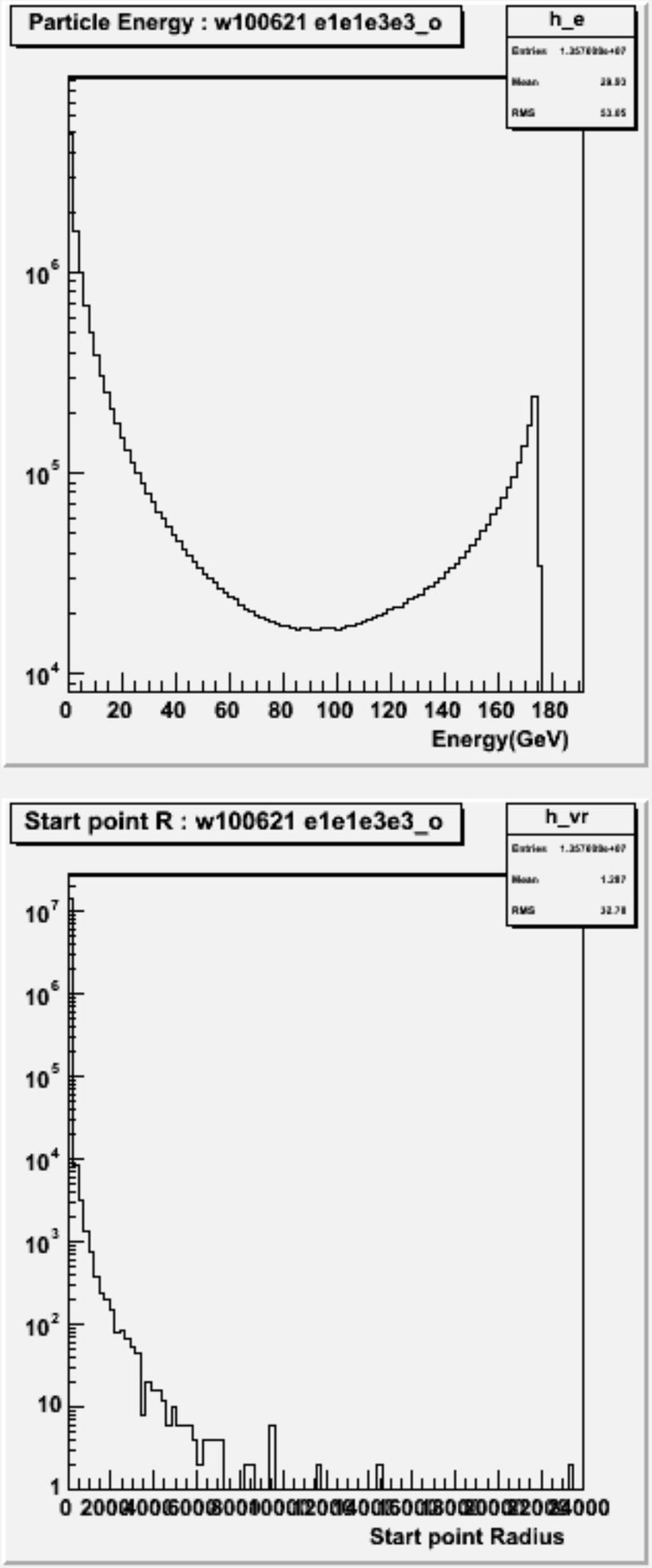

Ycut for 4-jets :w100620 e1e1e3e3_o
h_yc4j
Entries 490766
Mean 0.04803
RMS 0.1907
ycut for forced 4-jets

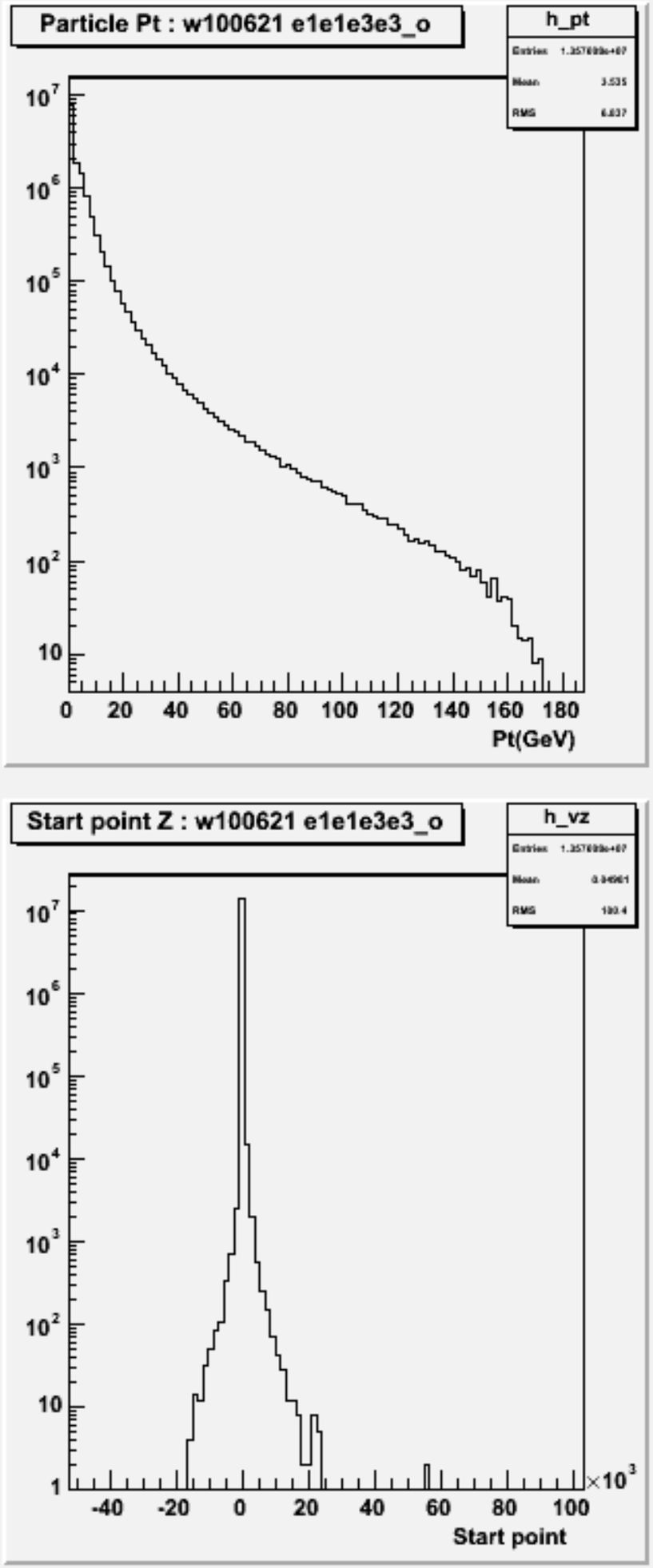

Jet energies(All jets)w100620 e1e1e3e3_o
ha_j0e
Entries 1963064
Mean 78.95
RMS 69.08
E(Jet)


Jet cosθ (All jets)w100620 e1e1e3e3_o
ha_j0cs
Entries 1963064
Mean 0.1805
RMS 0.9005
cos θ


2jets mass(All comb)w100620 e1e1e3e3_o
ha_m01
Entries 2944596
Mean 81.7
RMS 100.1
M(J_iJ_k) (GeV)


Particle ID : w100621 e1e1e3e3_o
h_id
Particle ID

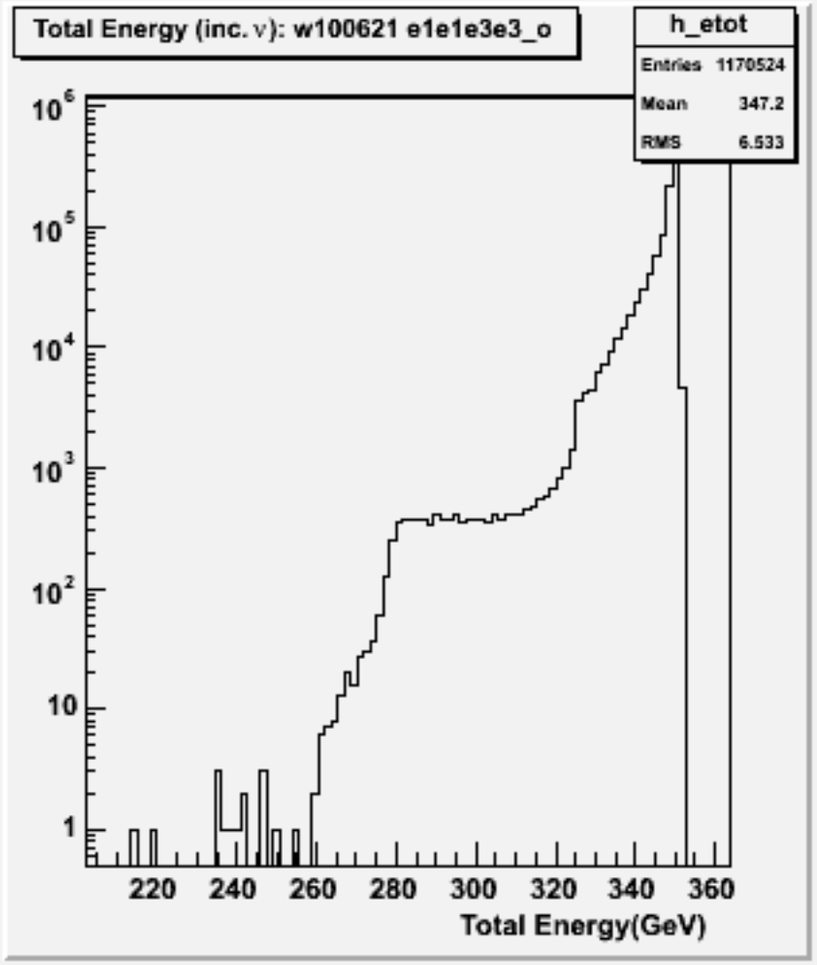

Particle Energy : w100621 e1e1e3e3_o
h_e
Energy(GeV)

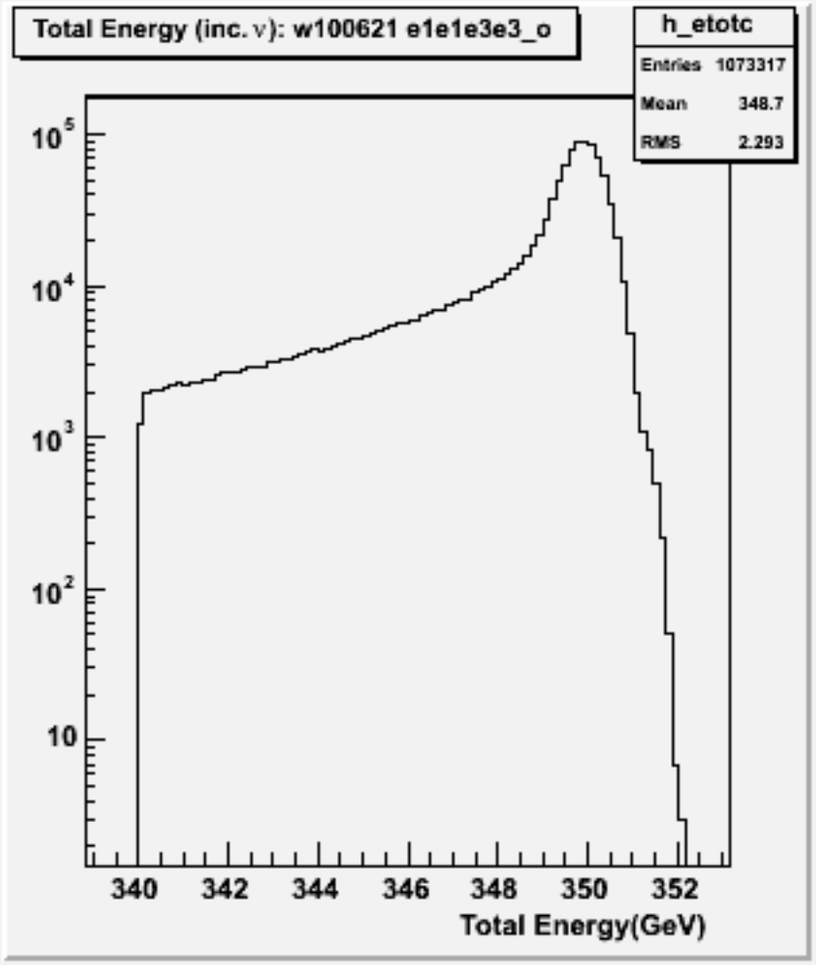

Particle Pt : w100621 e1e1e3e3_o
h_pt
Pt(GeV)

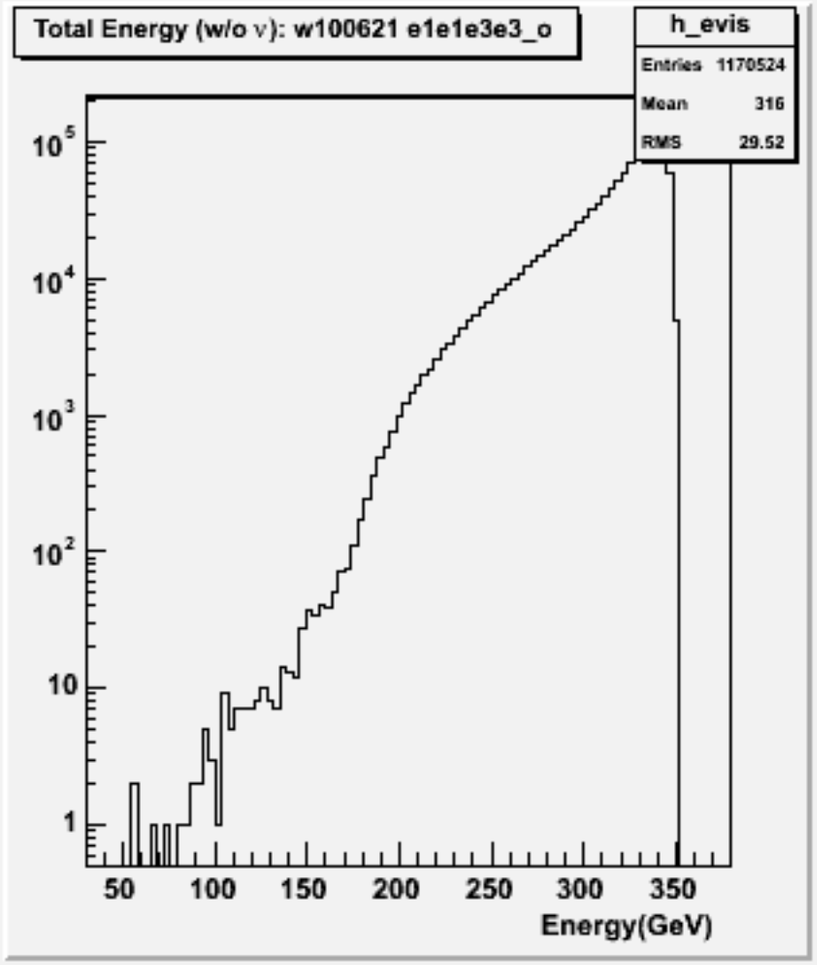
Particle cosθ : w100621 e1e1e3e3_o
h_cs
cos θ

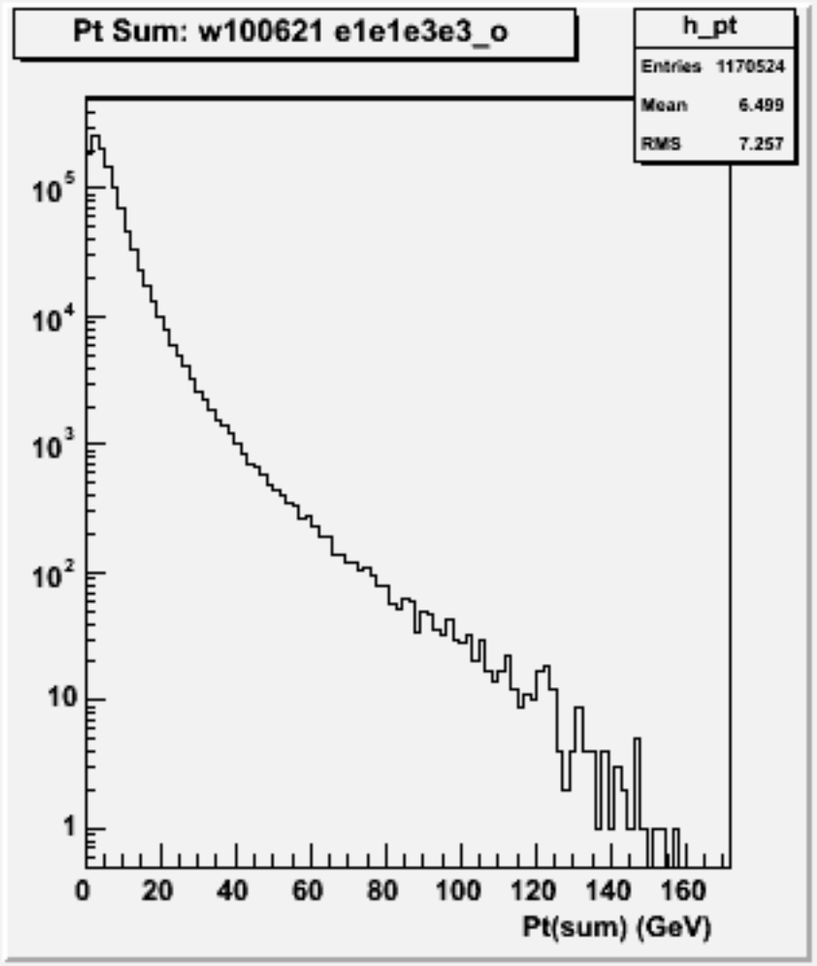
Start point R : w100621 e1e1e3e3_o
h_vr
Start point Radius

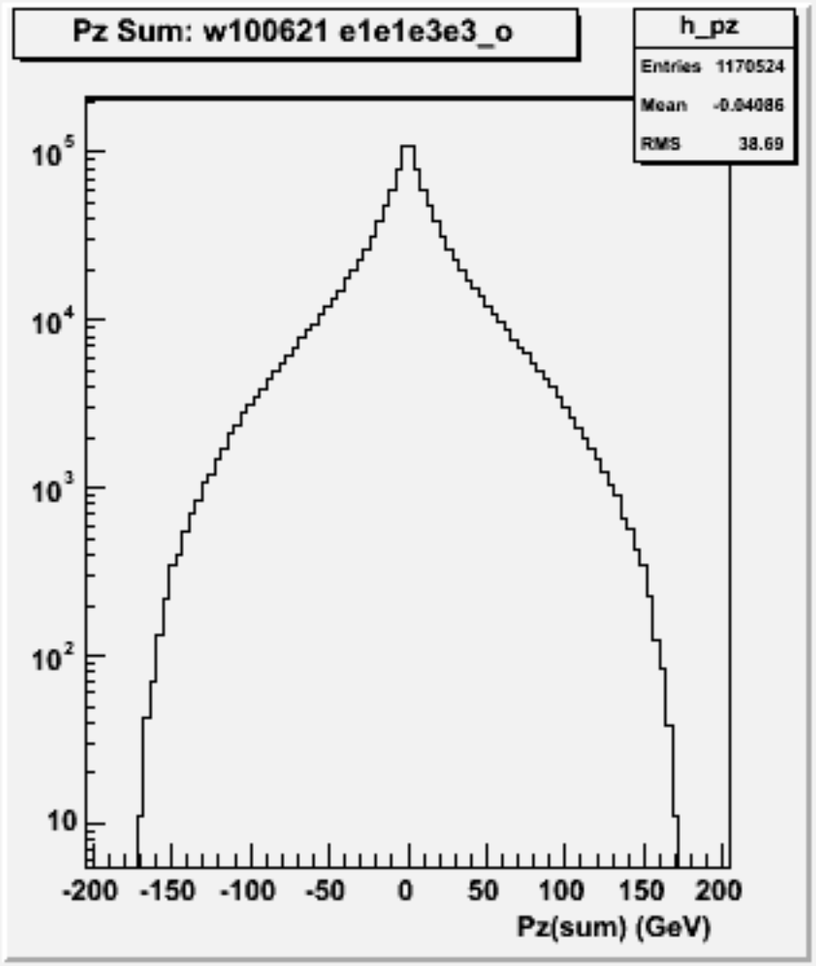
Start point Z : w100621 e1e1e3e3_o
h_vz
Start point

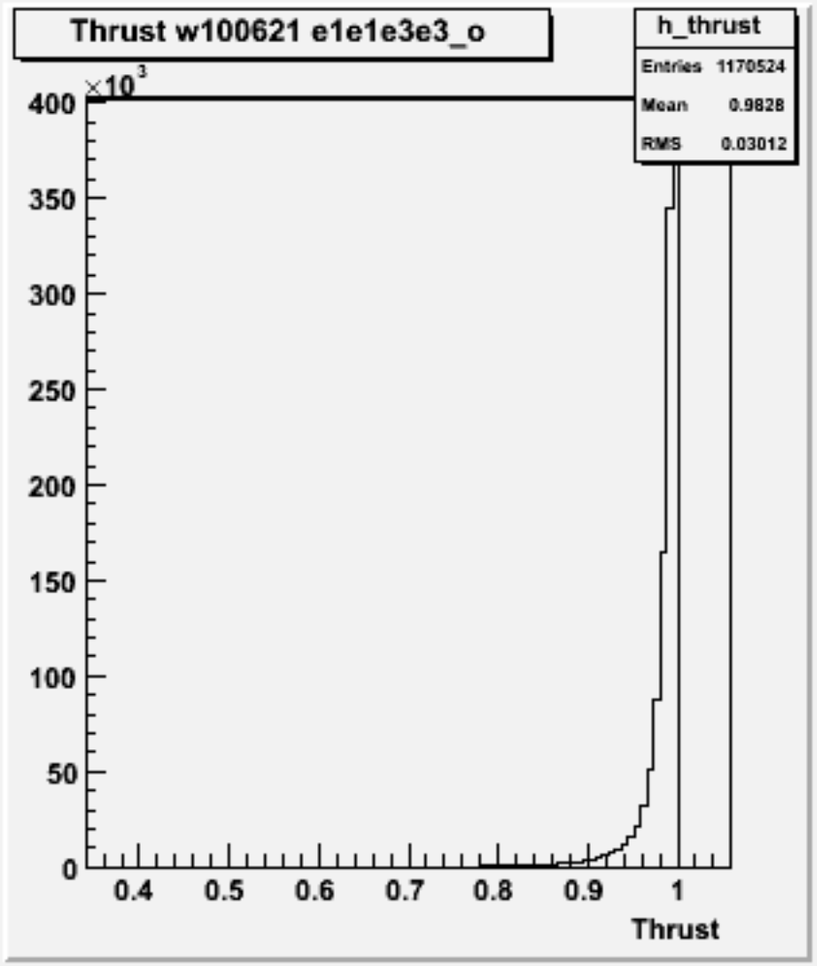

Total Energy (inc. ν): w100621 e1e1e3e3_o
h_etot
Entries 1170524
Mean 347.2
RMS 6.533
Total Energy(GeV)

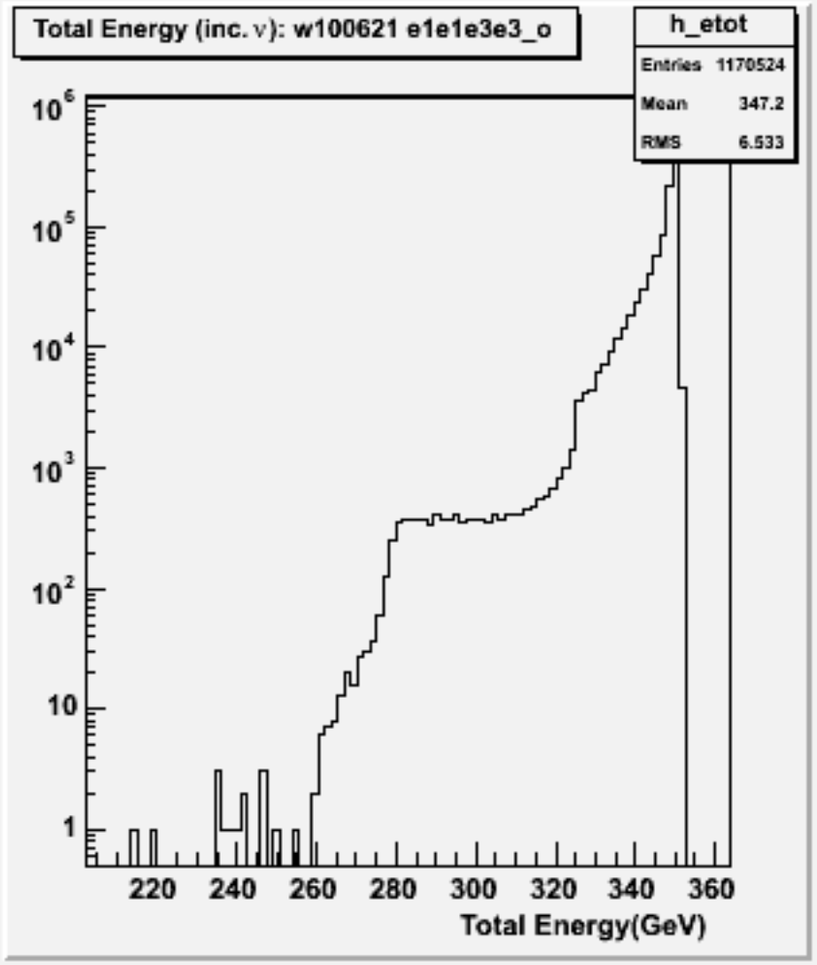

Total Energy (inc. ν): w100621 e1e1e3e3_o
h_etotc
Entries 1073317
Mean 348.7
RMS 2.293
Total Energy(GeV)

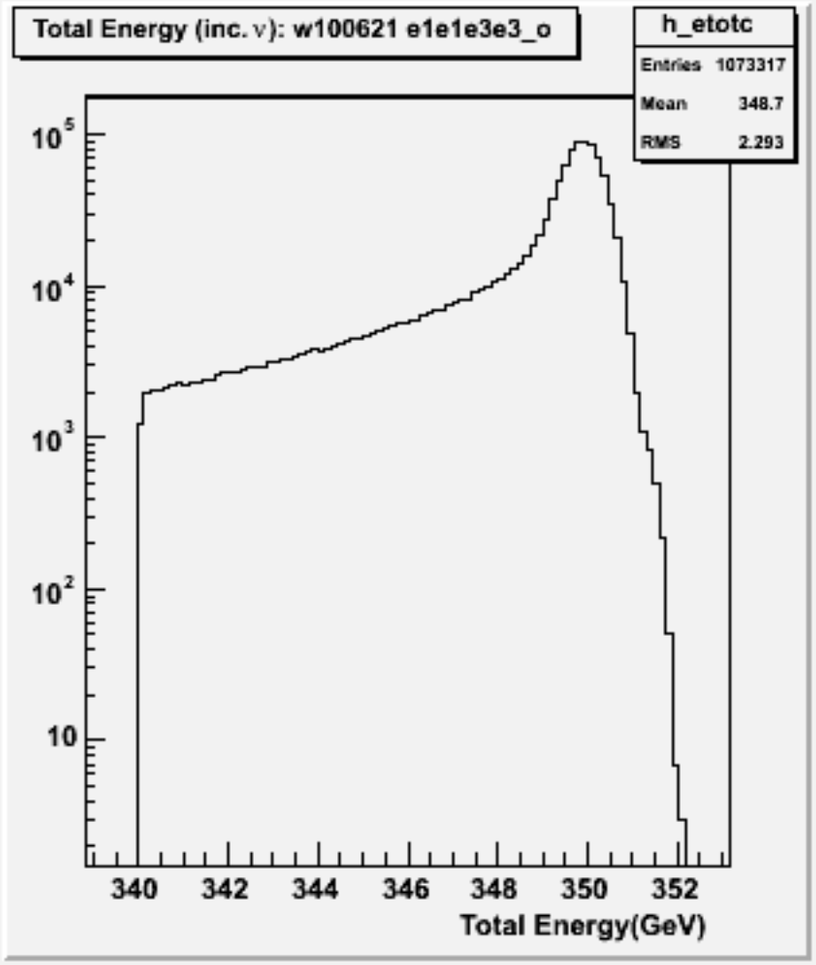

Total Energy (w/o ν): w100621 e1e1e3e3_o
h_evis
Entries 1170524
Mean 316
RMS 29.52
Energy(GeV)

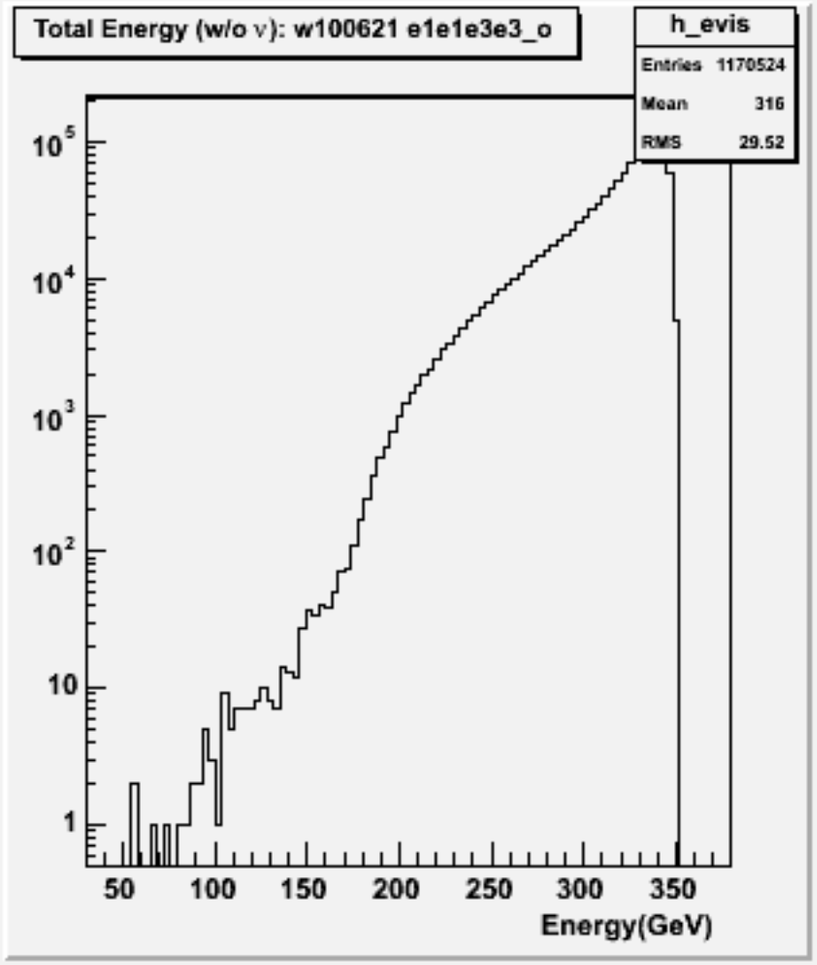

Pt Sum: w100621 e1e1e3e3_o
h_pt
Entries 1170524
Mean 6.499
RMS 7.257
Pt(sum) (GeV)

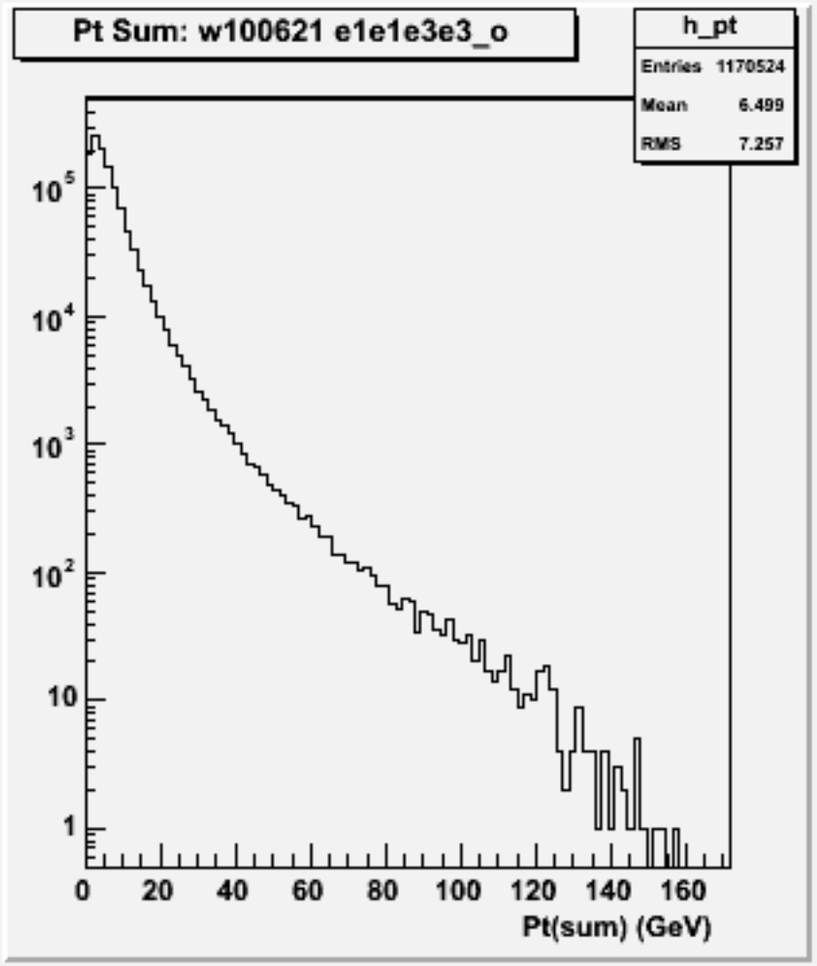

Pz Sum: w100621 e1e1e3e3_o
h_pz
Entries 1170524
Mean -0.04086
RMS 38.69
Pz(sum) (GeV)

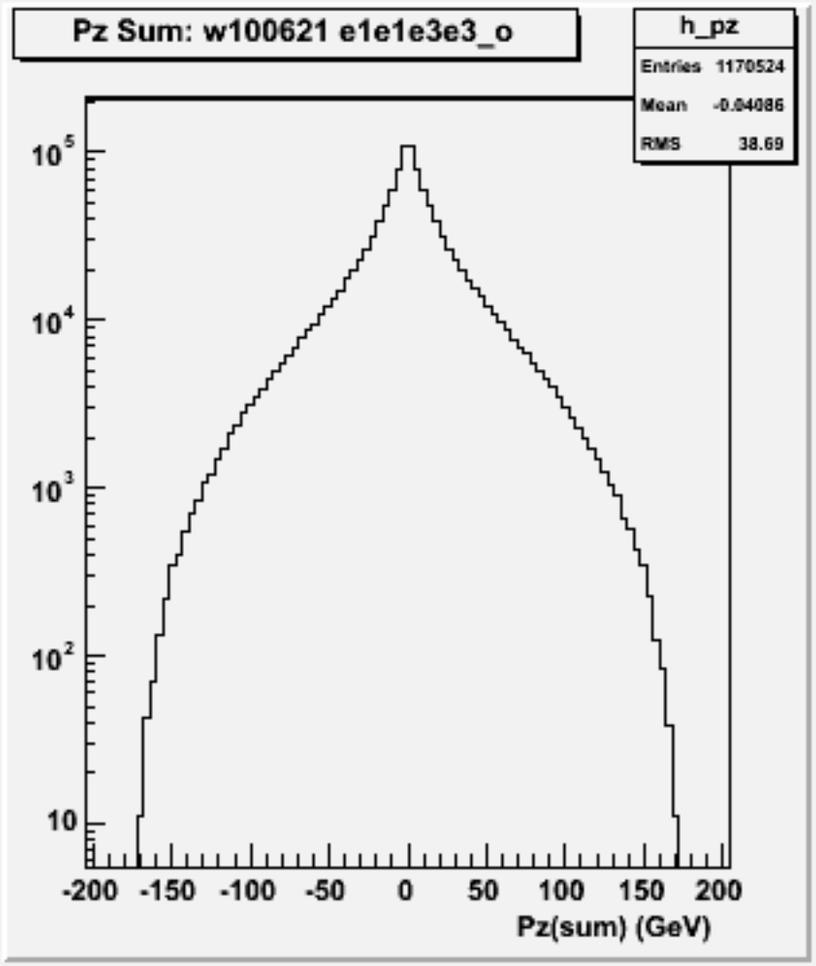

Thrust w100621 e1e1e3e3_o
h_thrust
Entries 1170524
Mean 0.9828
RMS 0.03012
Thrust

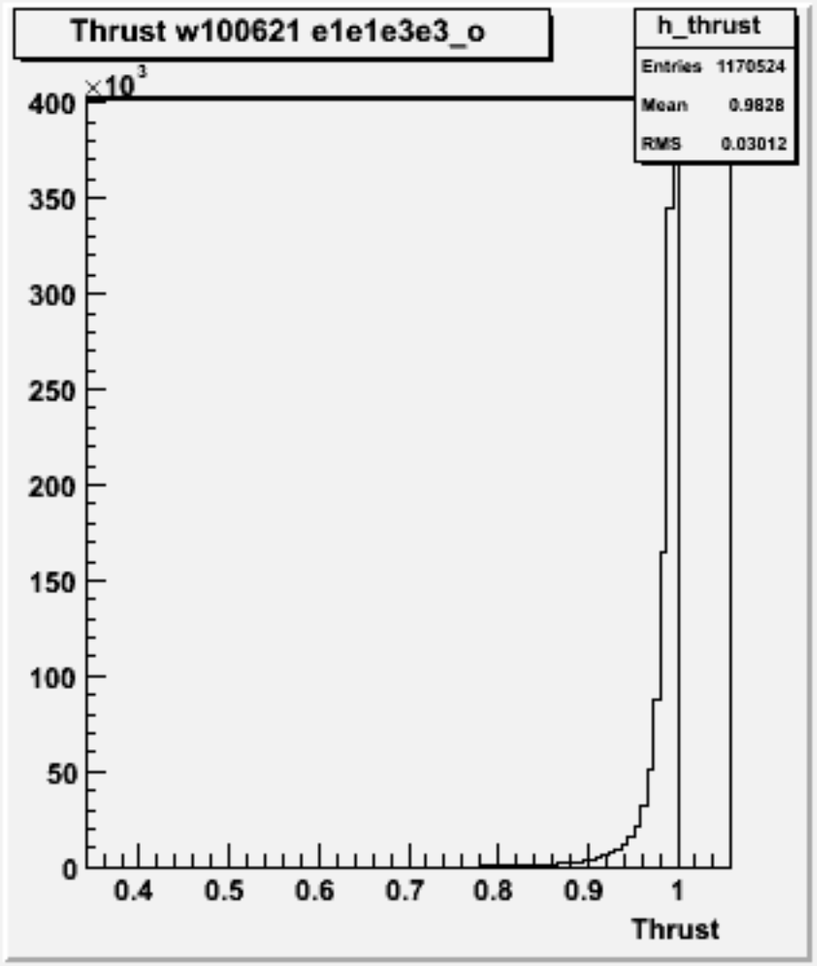

Total Energy (inc. ν): w100621 e1e1e3e3_o
h_etot
Entries 1170524
Mean 347.2
RMS 6.533
Total Energy(GeV)

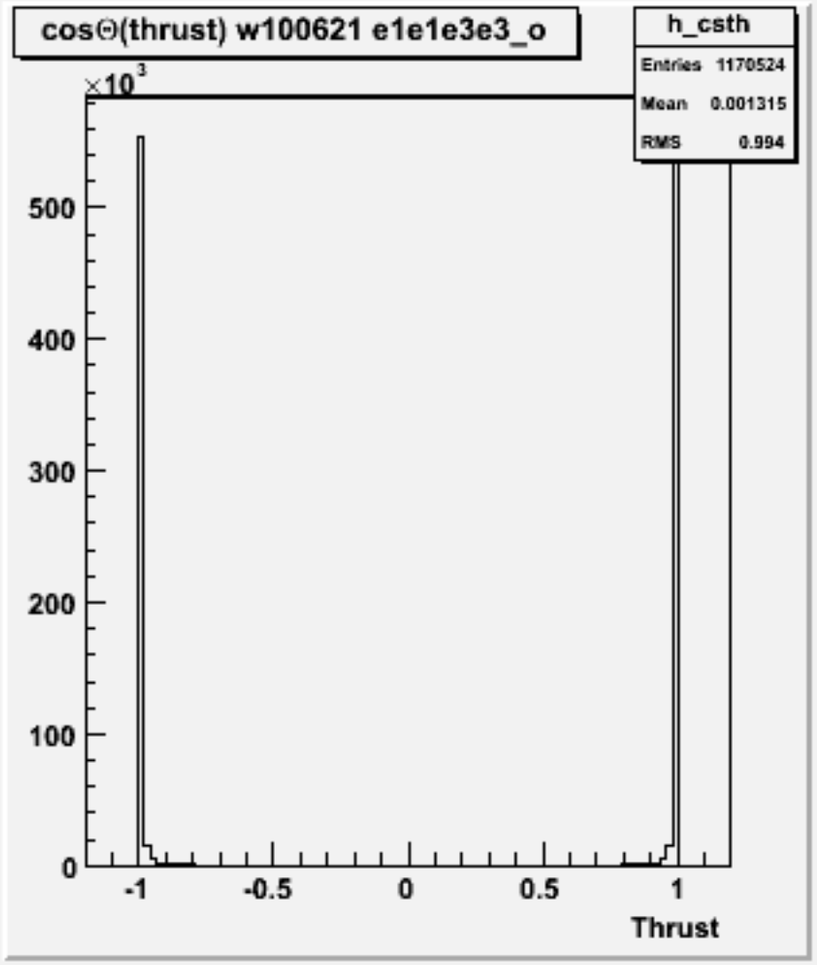

Total Energy (inc. ν): w100621 e1e1e3e3_o
h_etotc
Entries 1073317
Mean 348.7
RMS 2.293
Total Energy(GeV)

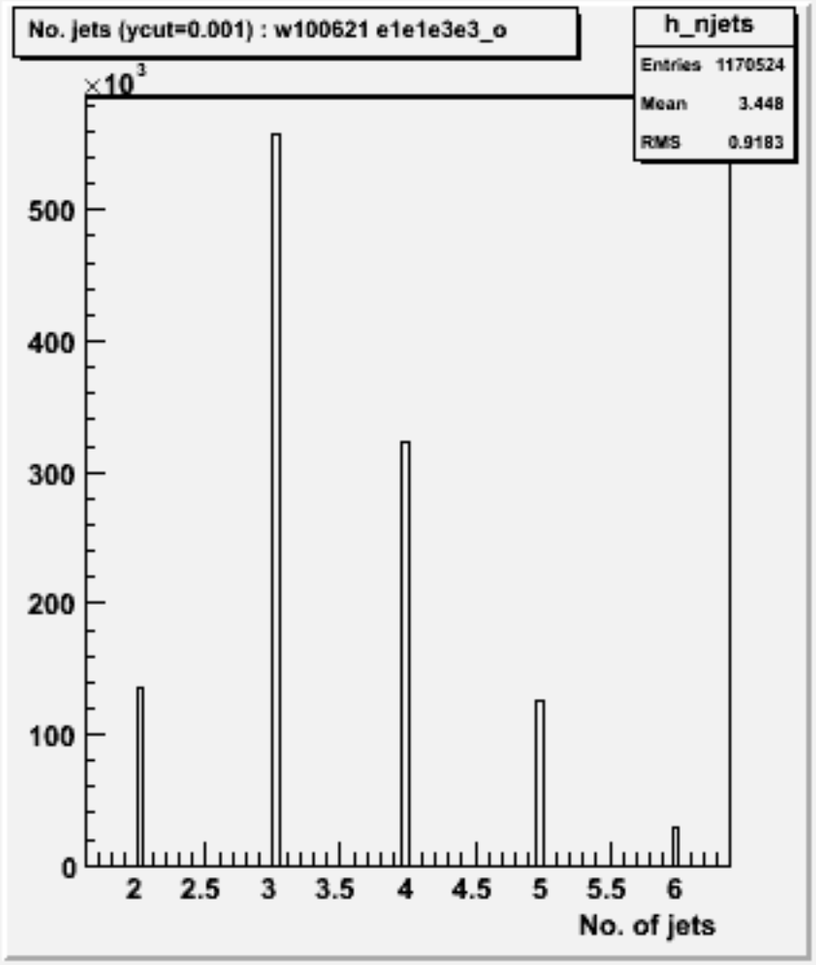

Total Energy (w/o ν): w100621 e1e1e3e3_o
h_evis
Entries 1170524
Mean 316
RMS 29.52
Energy(GeV)

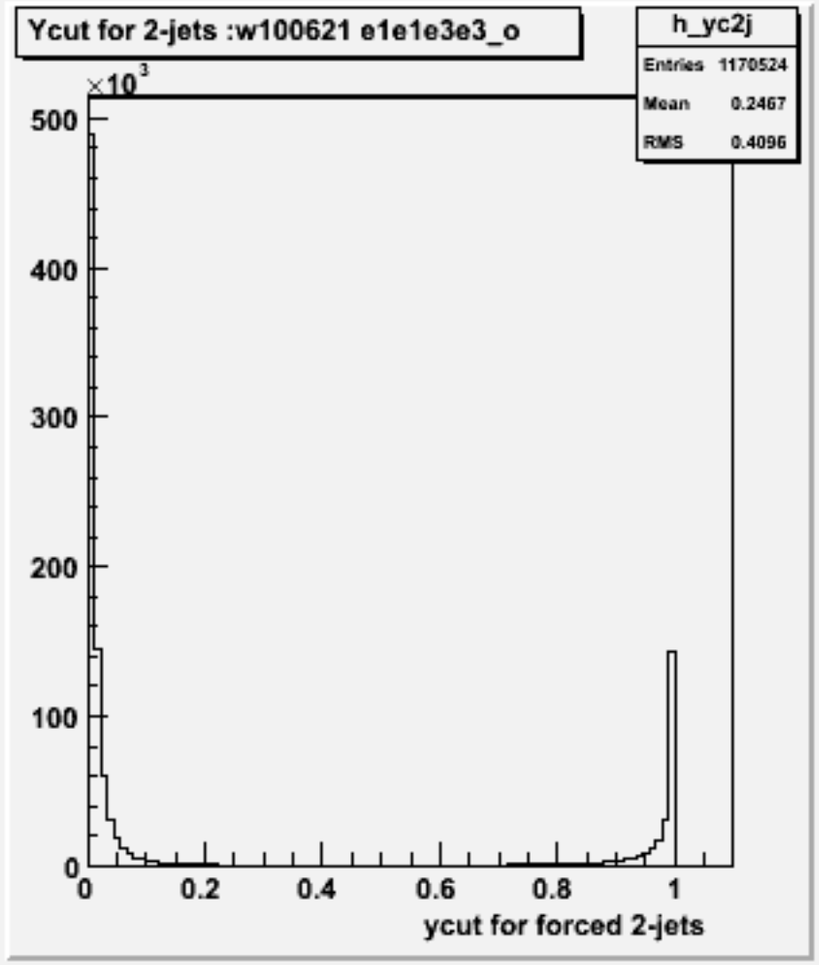

Pt Sum: w100621 e1e1e3e3_o
h_pt
Entries 1170524
Mean 6.499
RMS 7.257
Pt(sum) (GeV)

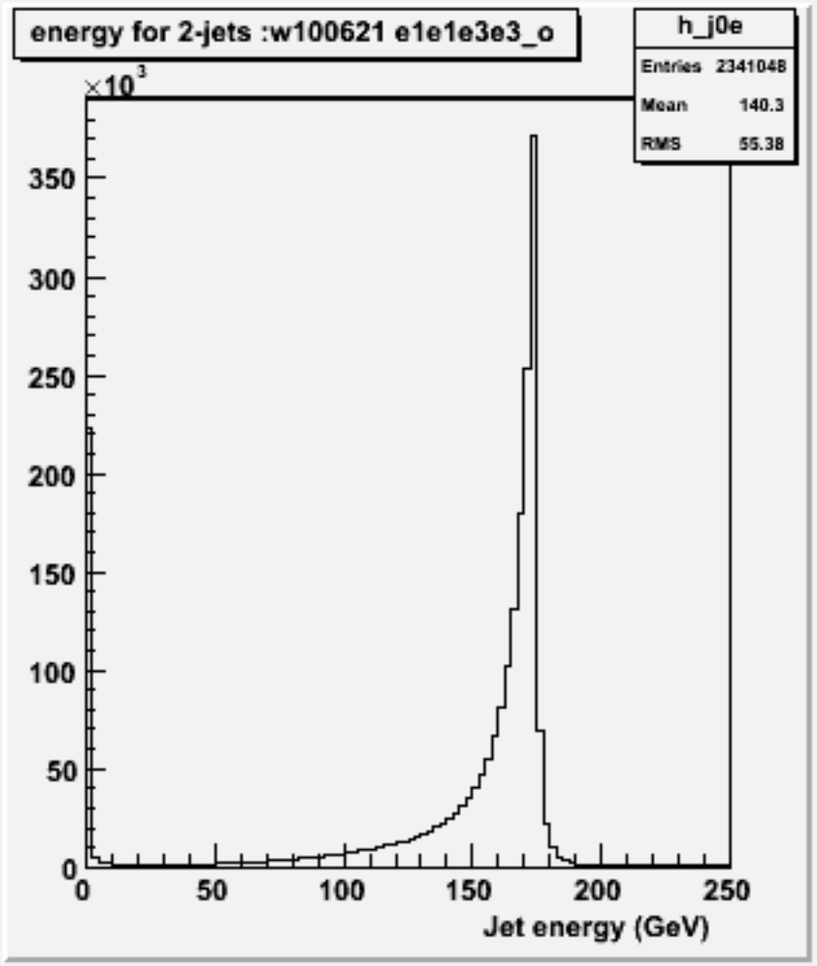

Pz Sum: w100621 e1e1e3e3_o
h_pz
Entries 1170524
Mean -0.04086
RMS 38.69
Pz(sum) (GeV)

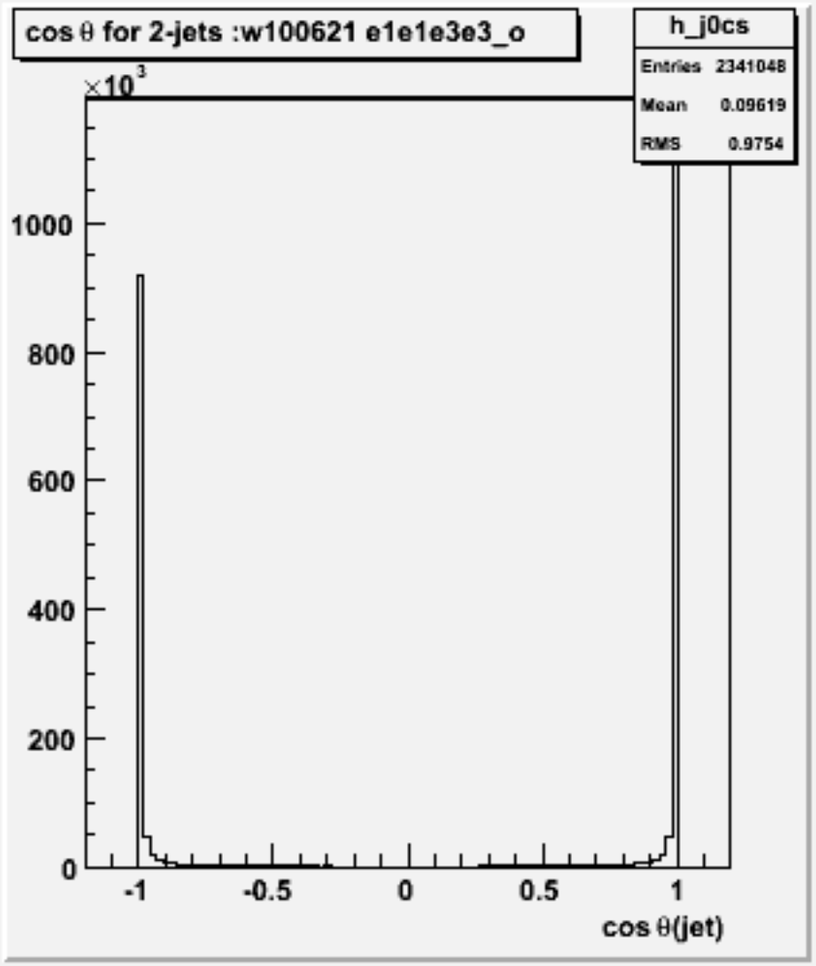

Thrust w100621 e1e1e3e3_o
h_thrust
Entries 1170524
Mean 0.9828
RMS 0.03012
Thrust

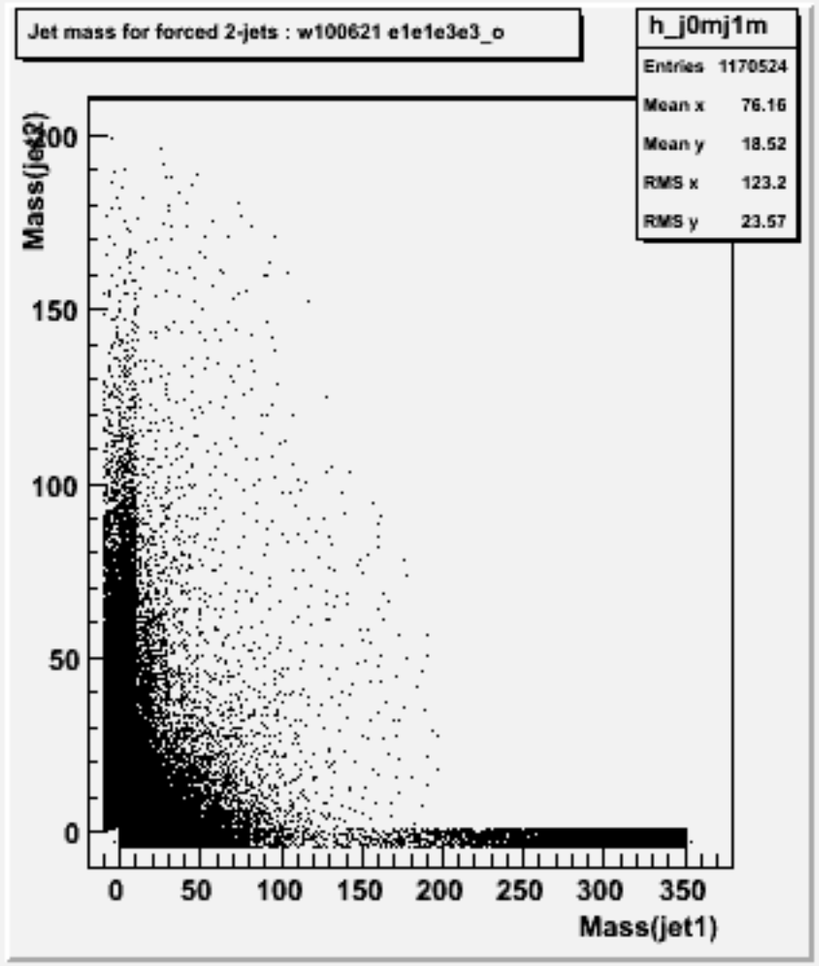

cosΘ(thrust) w100621 e1e1e3e3_o
h_csth
Entries 1170524
Mean 0.001315
RMS 0.994
×10^3
Thrust

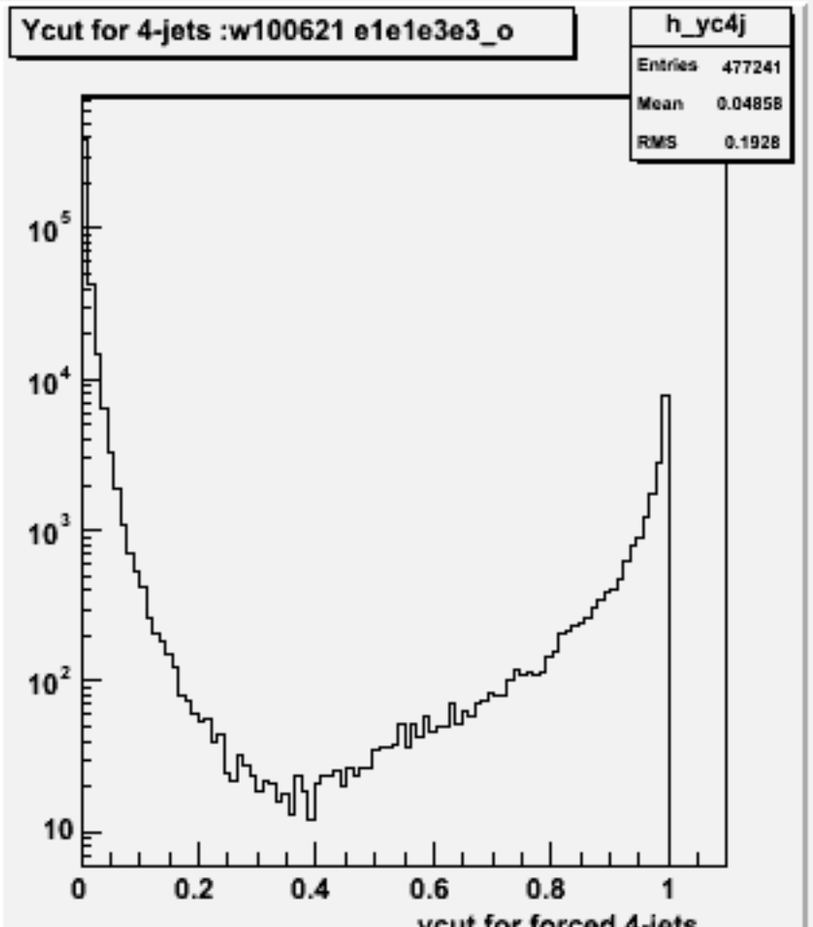

No. jets (ycut=0.001) : w100621 e1e1e3e3_o
h_njets
Entries 1170524
Mean 3.448
RMS 0.9183
×10^3
No. of jets

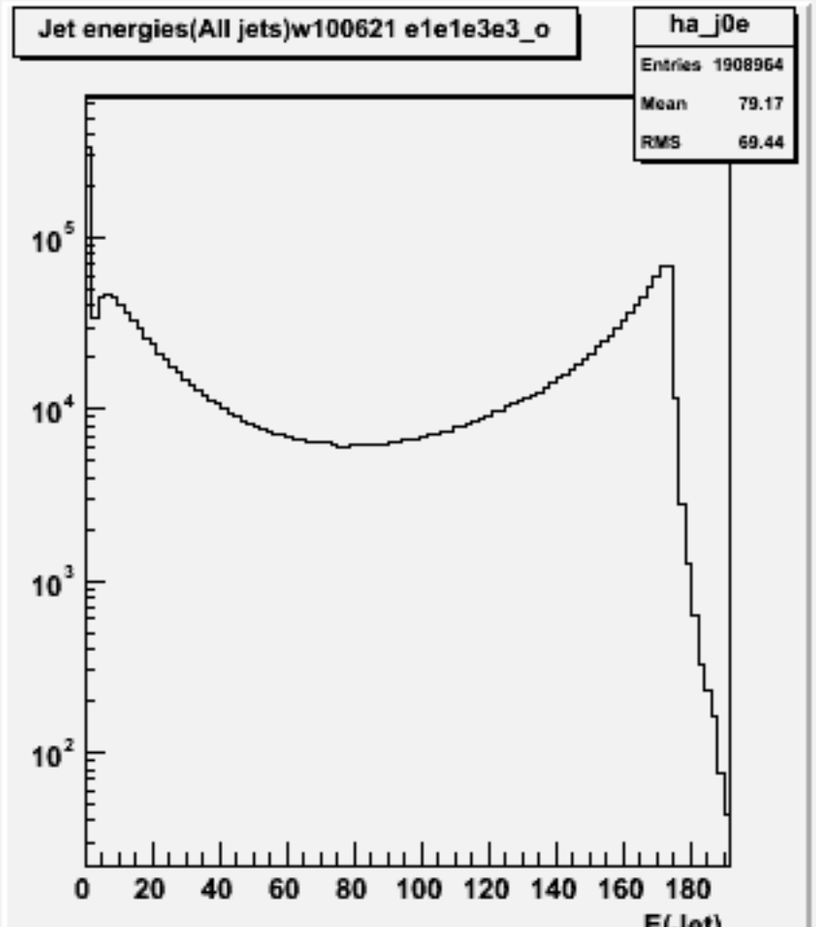

Ycut for 2-jets :w100621 e1e1e3e3_o
h_yc2j
Entries 1170524
Mean 0.2467
RMS 0.4096
×10^3
ycut for forced 2-jets

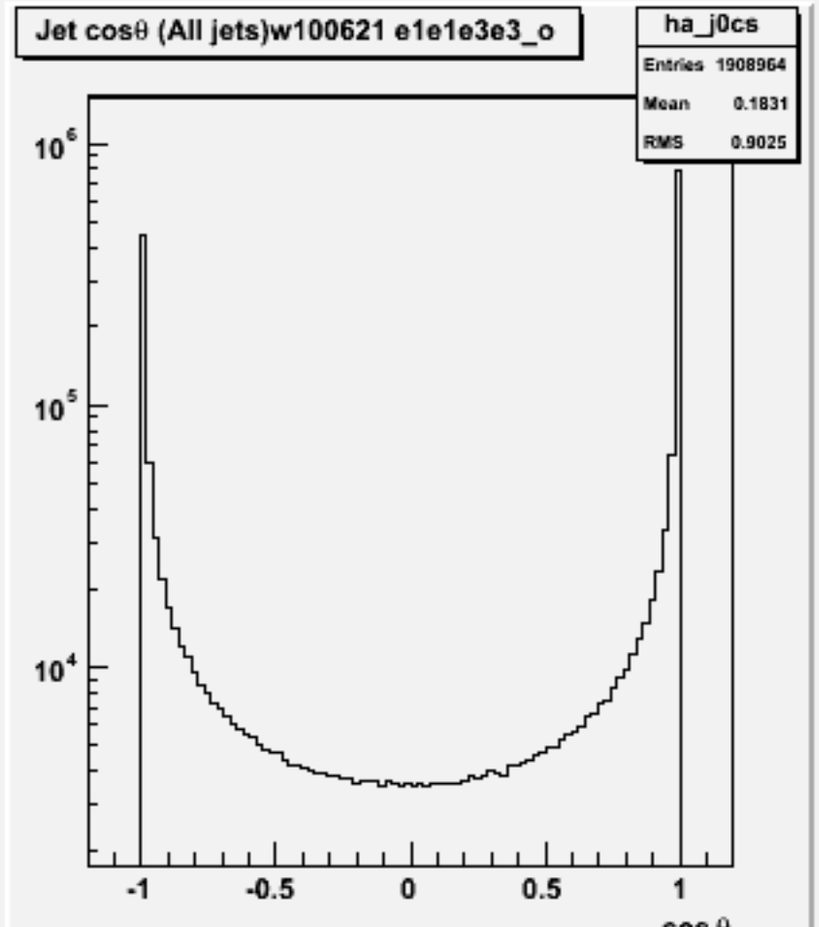

energy for 2-jets :w100621 e1e1e3e3_o
h_j0e
Entries 2341048
Mean 140.3
RMS 55.38
×10^3
Jet energy (GeV)

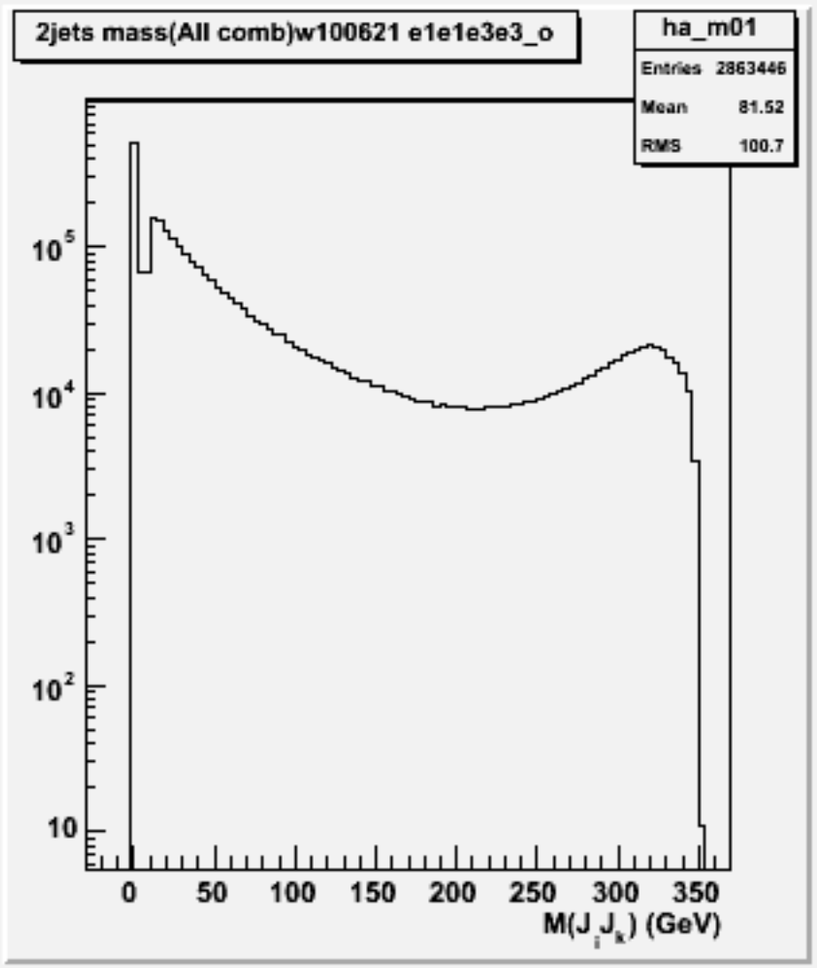

cos θ for 2-jets :w100621 e1e1e3e3_o
h_j0cs
Entries 2341048
Mean 0.09619
RMS 0.9754
×10^3
cos θ(jet)

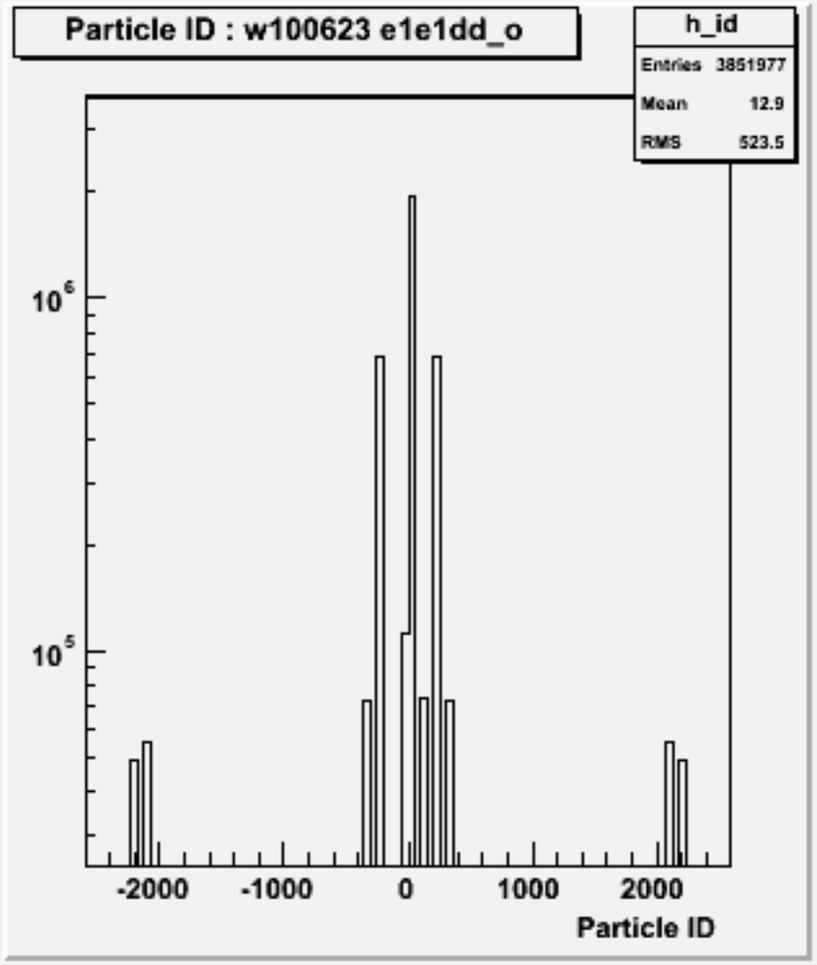

Jet mass for forced 2-jets : w100621 e1e1e3e3_o
h_j0mj1m
Entries 1170524
Mean x 76.16
Mean y 18.52
RMS x 123.2
RMS y 23.57
Mass(jet2)
Mass(jet1)

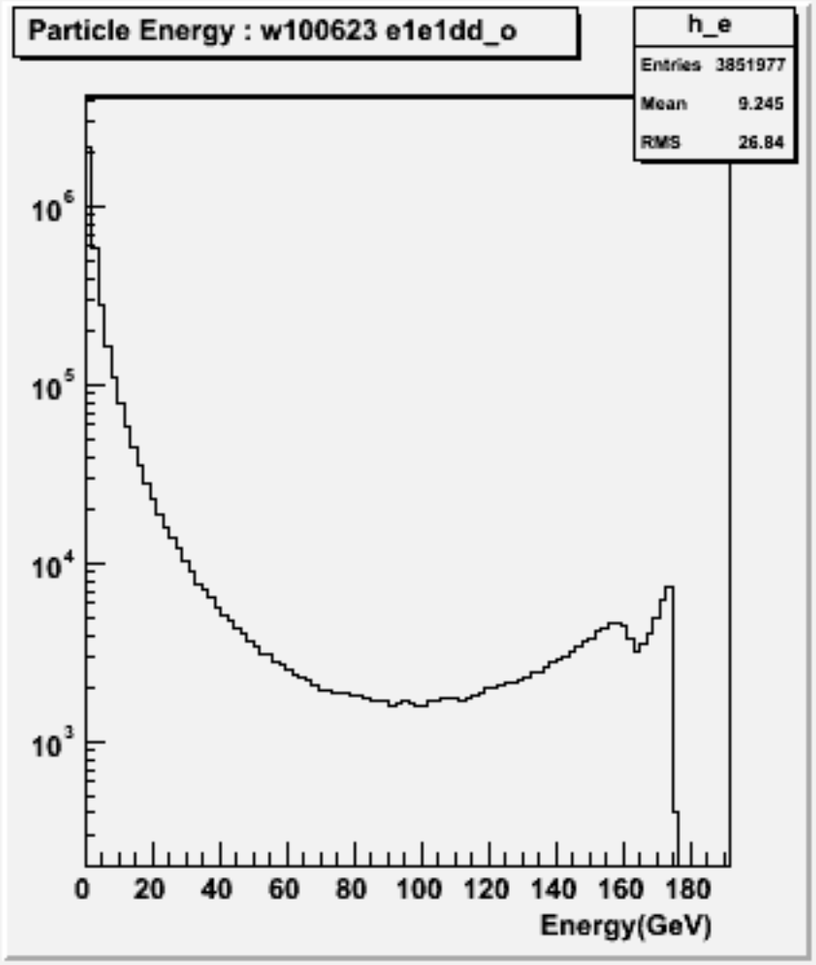

Ycut for 4-jets :w100621 e1e1e3e3_o
h_yc4j
Entries 477241
Mean 0.04858
RMS 0.1928
ycut for forced 4-jets

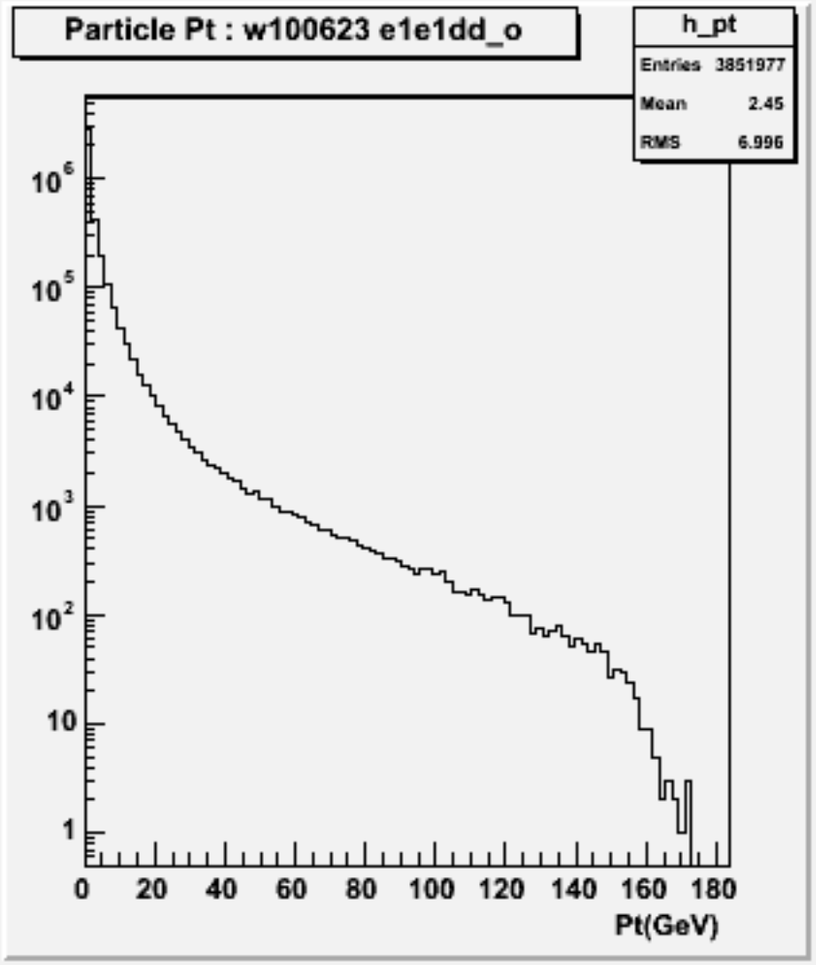

Jet energies(All jets)w100621 e1e1e3e3_o
ha_j0e
Entries 1908964
Mean 79.17
RMS 69.44
E(Jet)

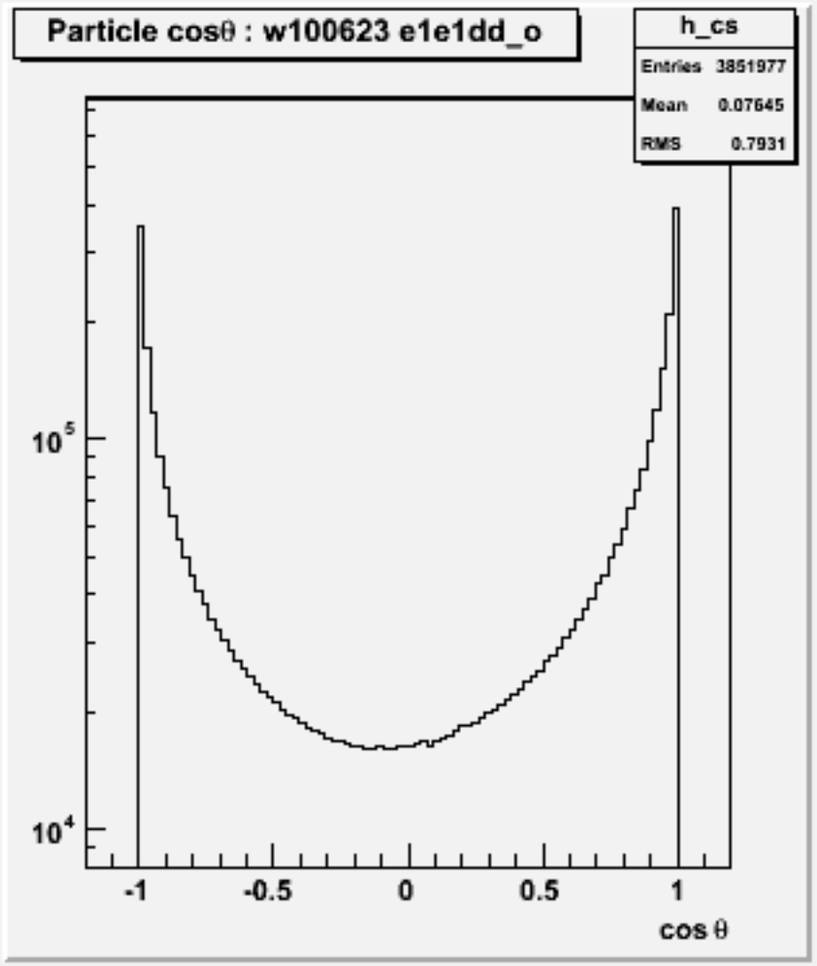

Jet cosθ (All jets)w100621 e1e1e3e3_o
ha_j0cs
Entries 1908964
Mean 0.1831
RMS 0.9025
cos θ

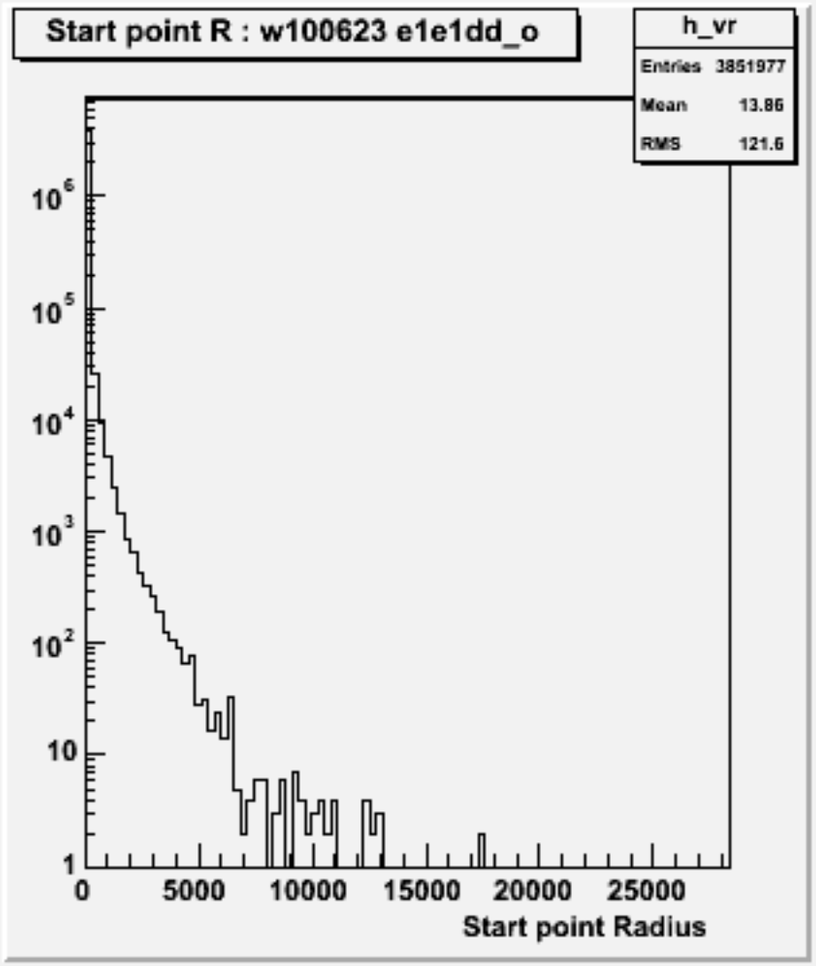

2jets mass(All comb)w100621 e1e1e3e3_o
ha_m01
Entries 2863446
Mean 81.52
RMS 100.7
M(J_iJ_k) (GeV)

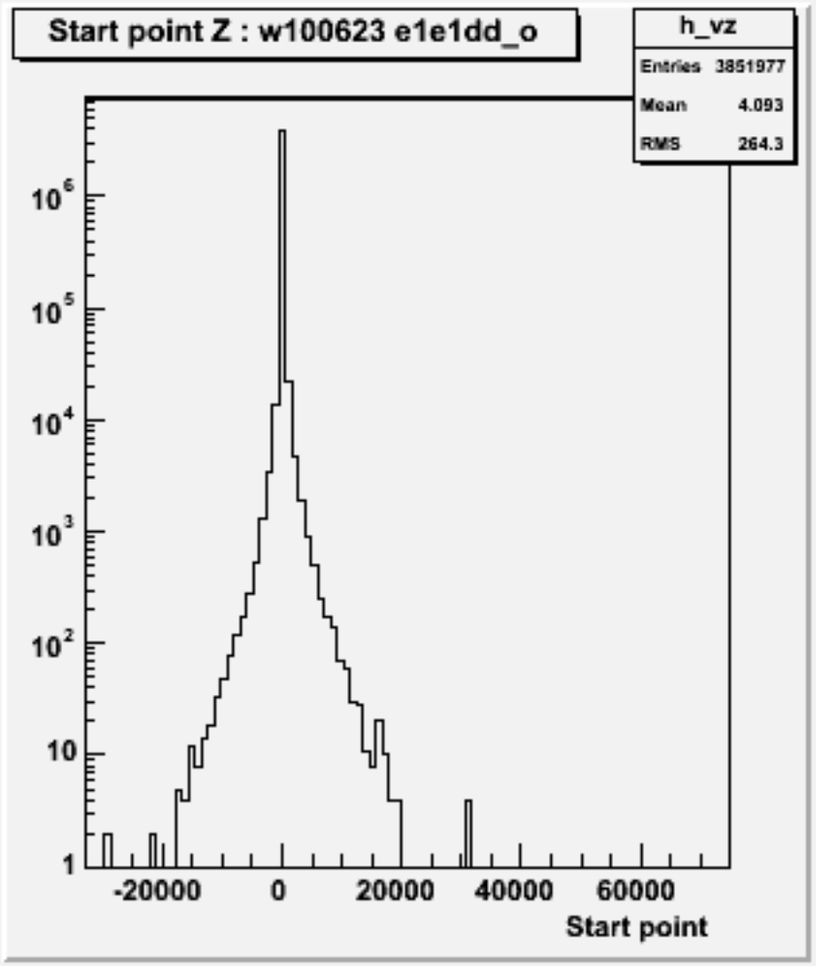

Particle ID : w100623 e1e1dd_o
h_id
Entries 3851977
Mean 12.9
RMS 523.5
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

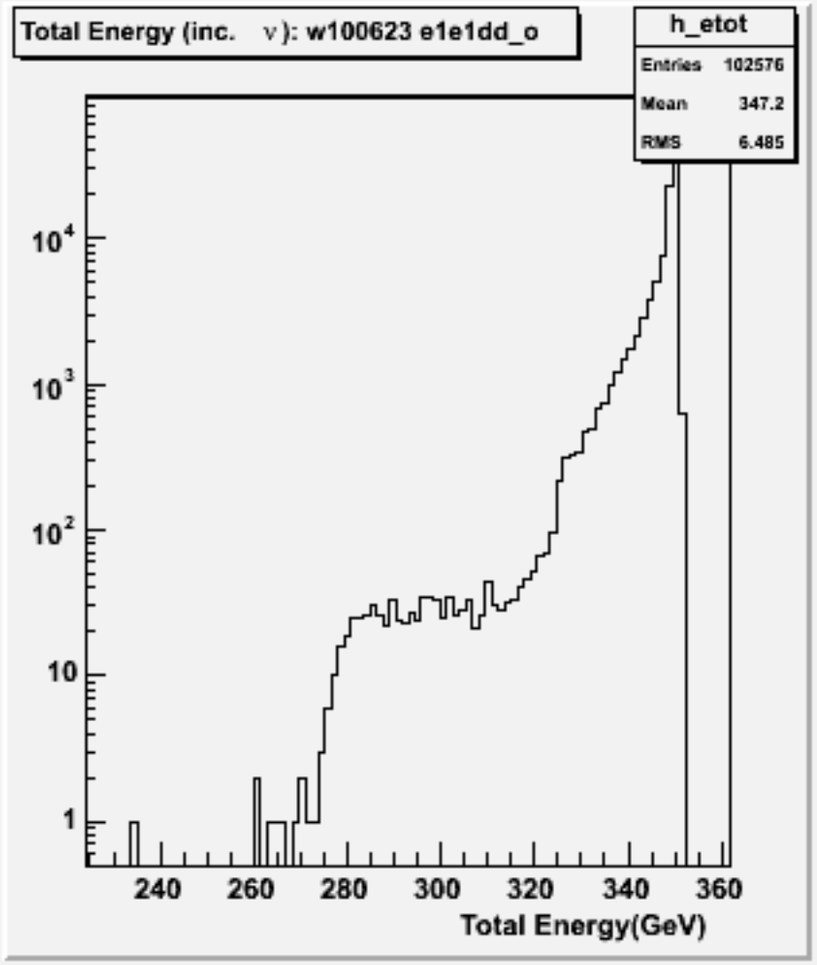

Particle Energy : w100623 e1e1dd_o
h_e
Entries 3851977
Mean 9.245
RMS 26.84
10^6
10^5
10^4
10^3
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

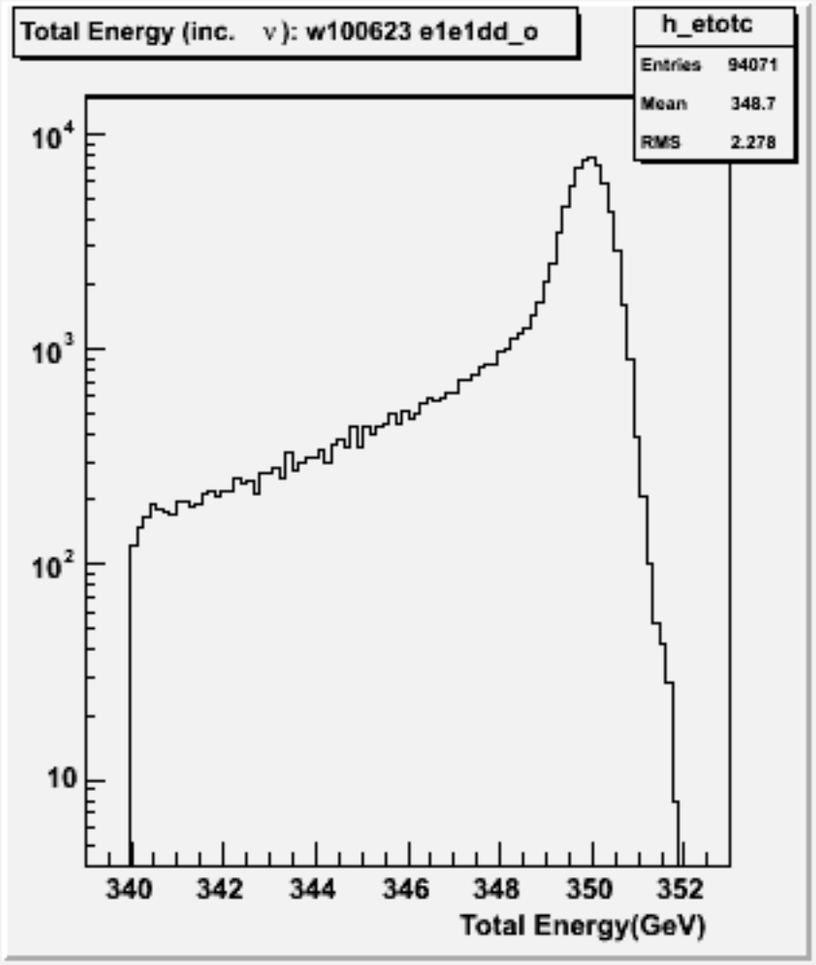

Particle Pt : w100623 e1e1dd_o
h_pt
Entries 3851977
Mean 2.45
RMS 6.996
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

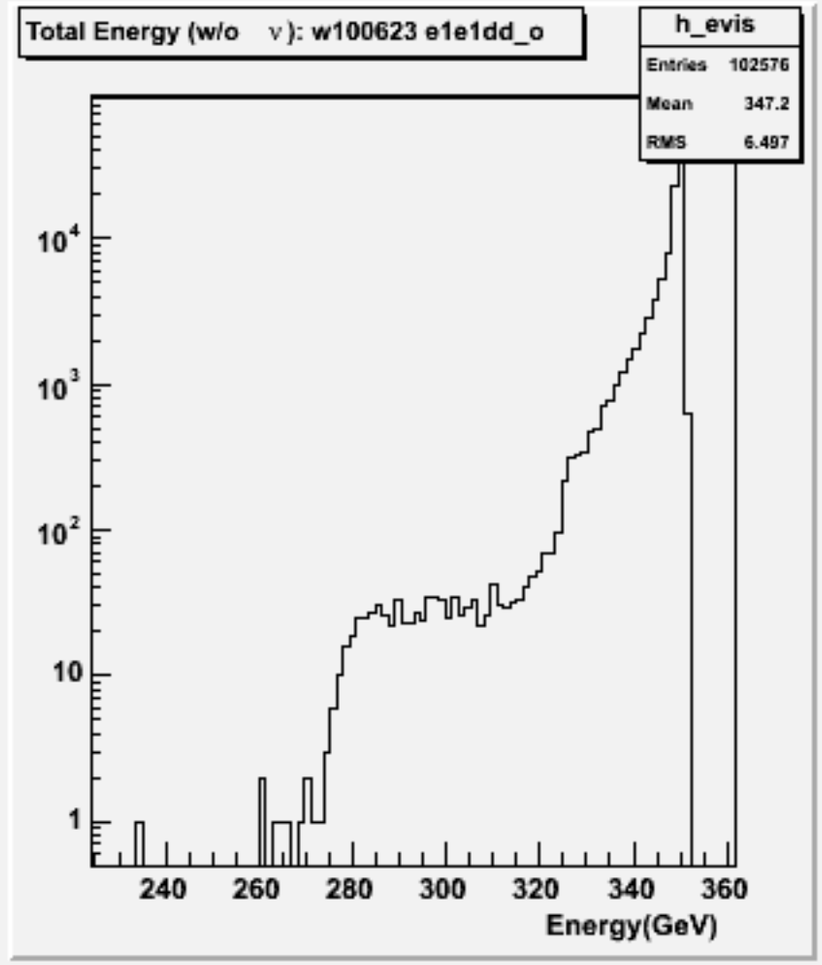

Particle cosθ : w100623 e1e1dd_o
h_cs
Entries 3851977
Mean 0.07645
RMS 0.7931
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

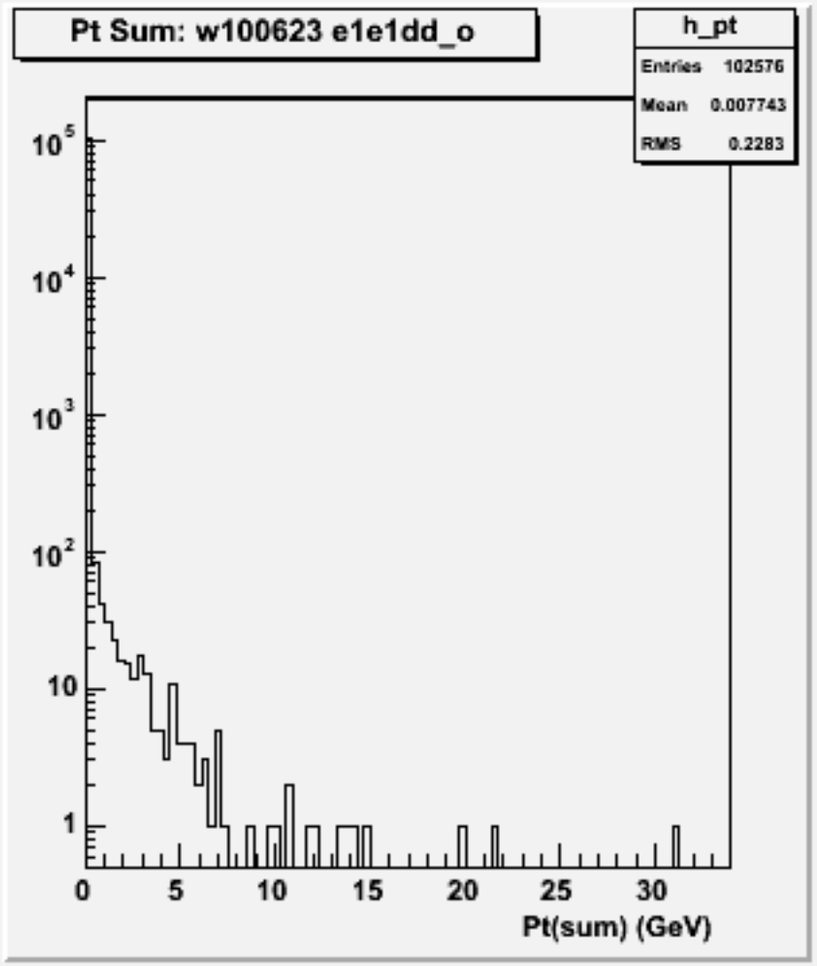

Start point R : w100623 e1e1dd_o
h_vr
Entries 3851977
Mean 13.86
RMS 121.6
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

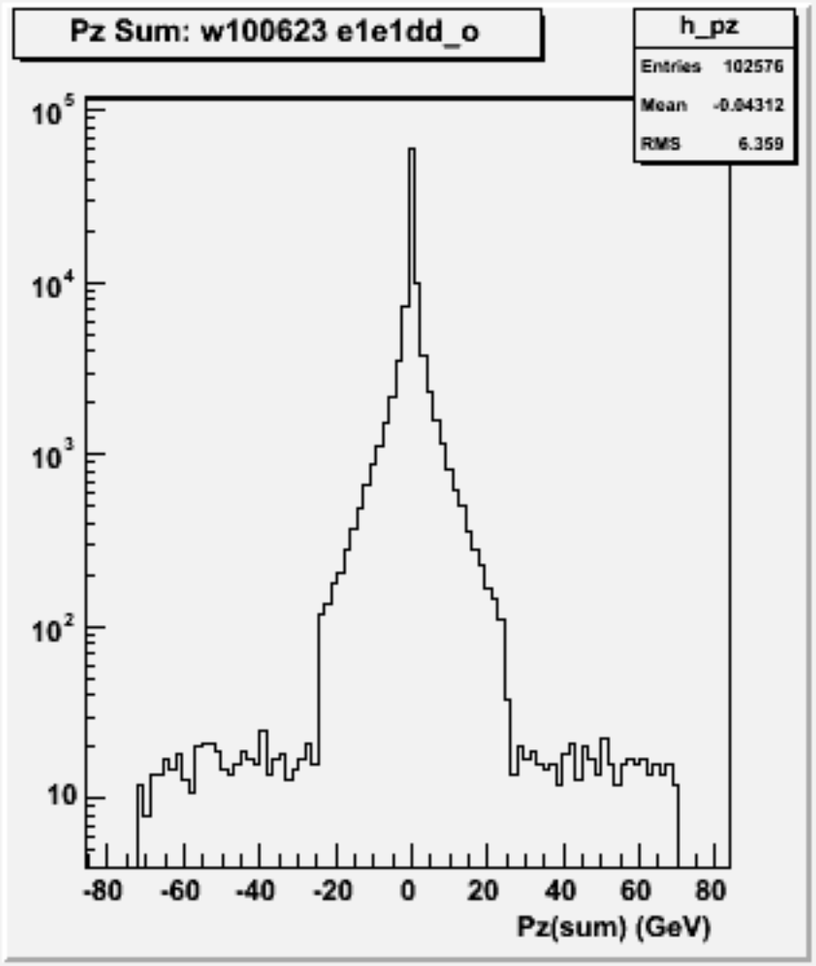

Start point Z : w100623 e1e1dd_o
h_vz
Entries 3851977
Mean 4.093
RMS 264.3
10^6
10^5
10^4
10^3
10^2
10
1
-20000
0
20000
40000
60000
Start point

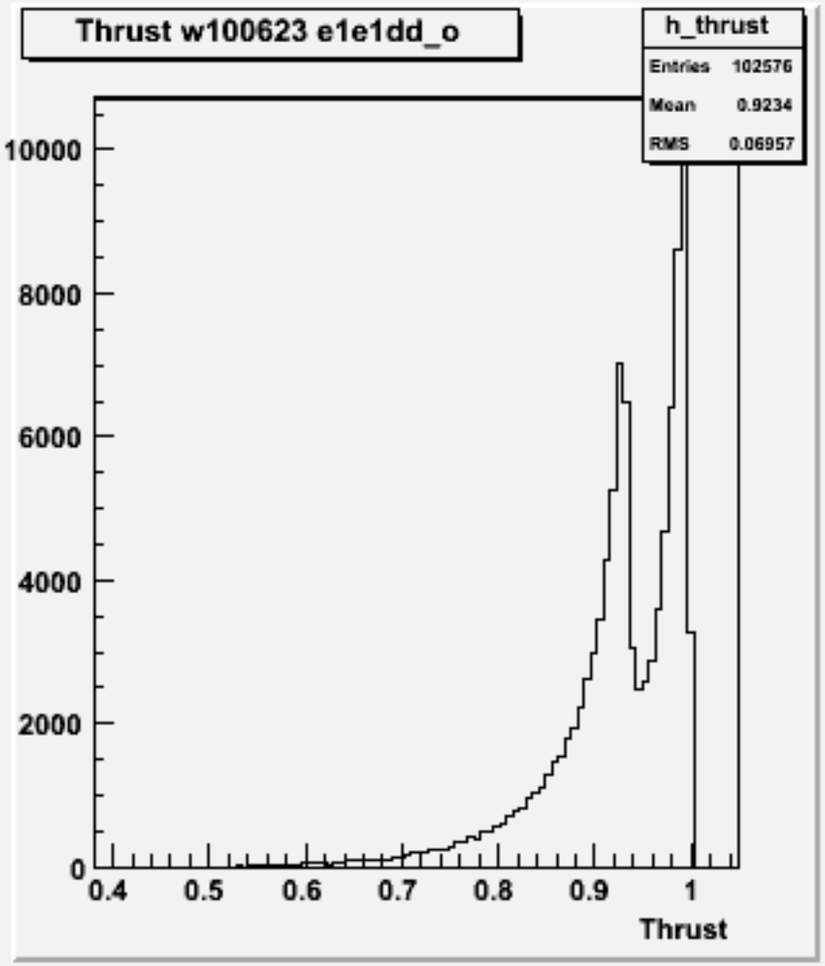

Total Energy (inc. ν): w100623 e1e1dd_o
h_etot
Entries 102576
Mean 347.2
RMS 6.485
Total Energy(GeV)

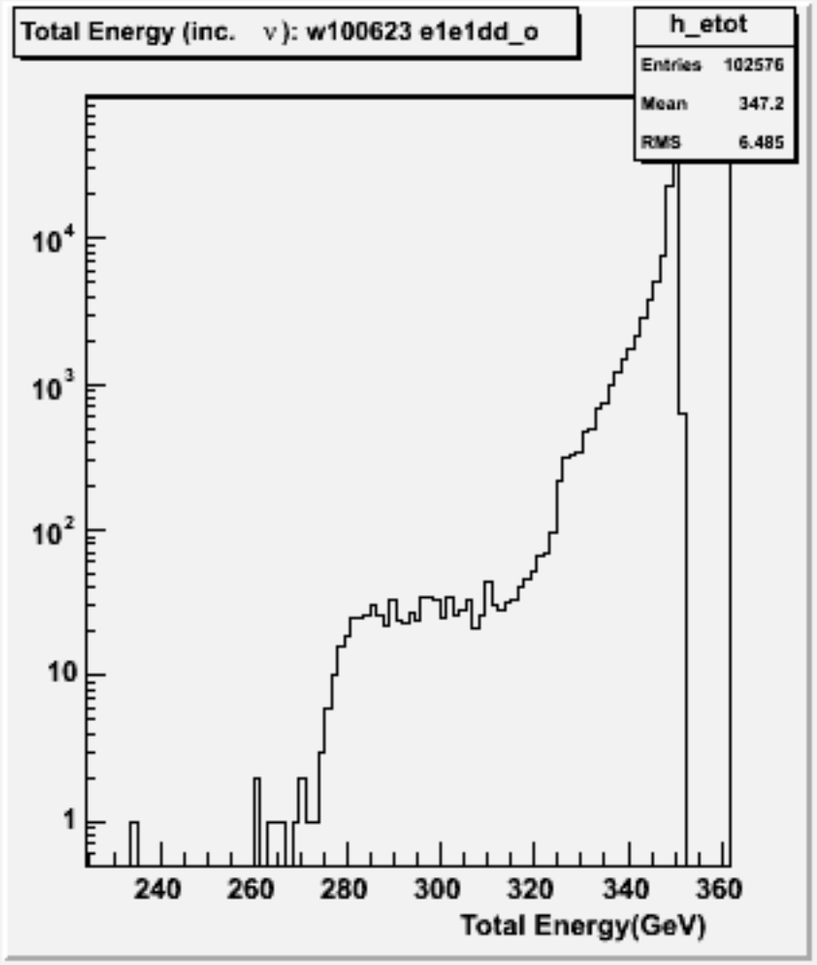

Total Energy (inc. ν): w100623 e1e1dd_o
h_etotc
Entries 94071
Mean 348.7
RMS 2.278
Total Energy(GeV)

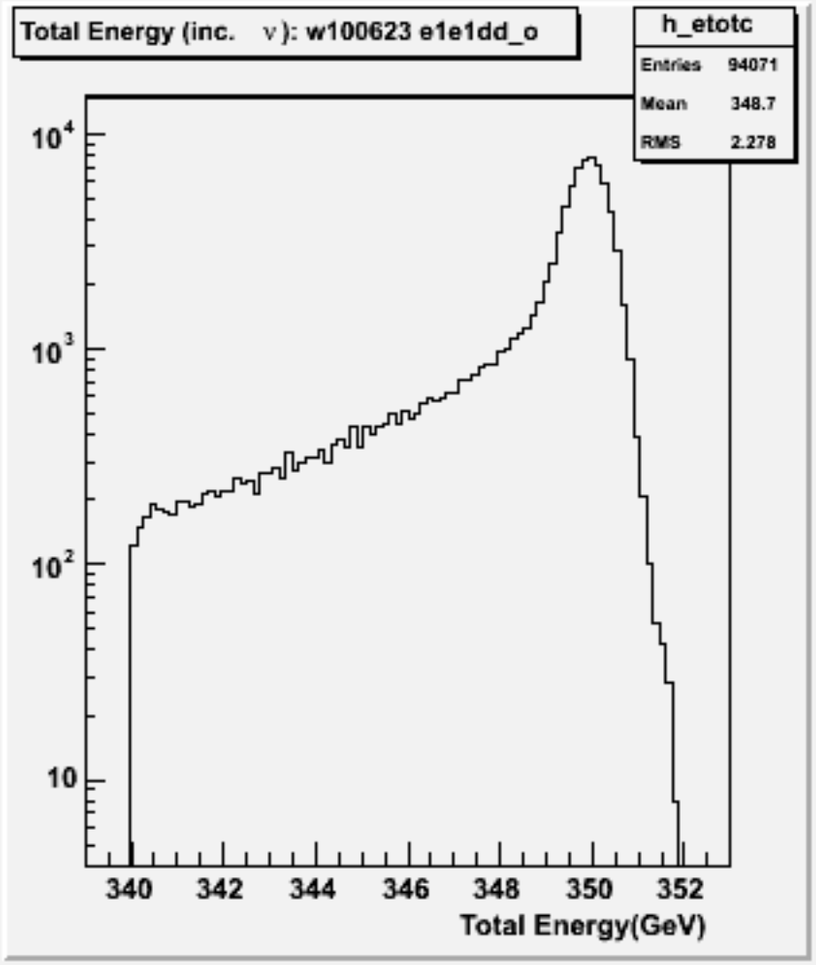

Total Energy (w/o ν): w100623 e1e1dd_o
h_evis
Entries 102576
Mean 347.2
RMS 6.497
Energy(GeV)

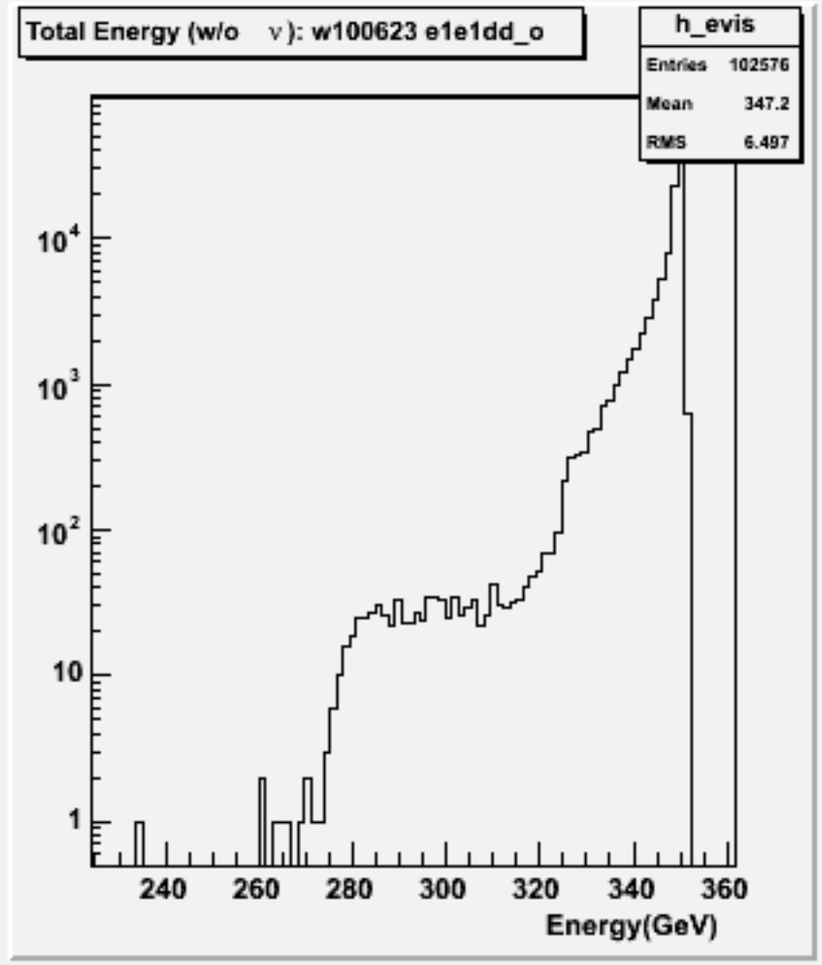

Pt Sum: w100623 e1e1dd_o
h_pt
Entries 102576
Mean 0.007743
RMS 0.2283
Pt(sum) (GeV)

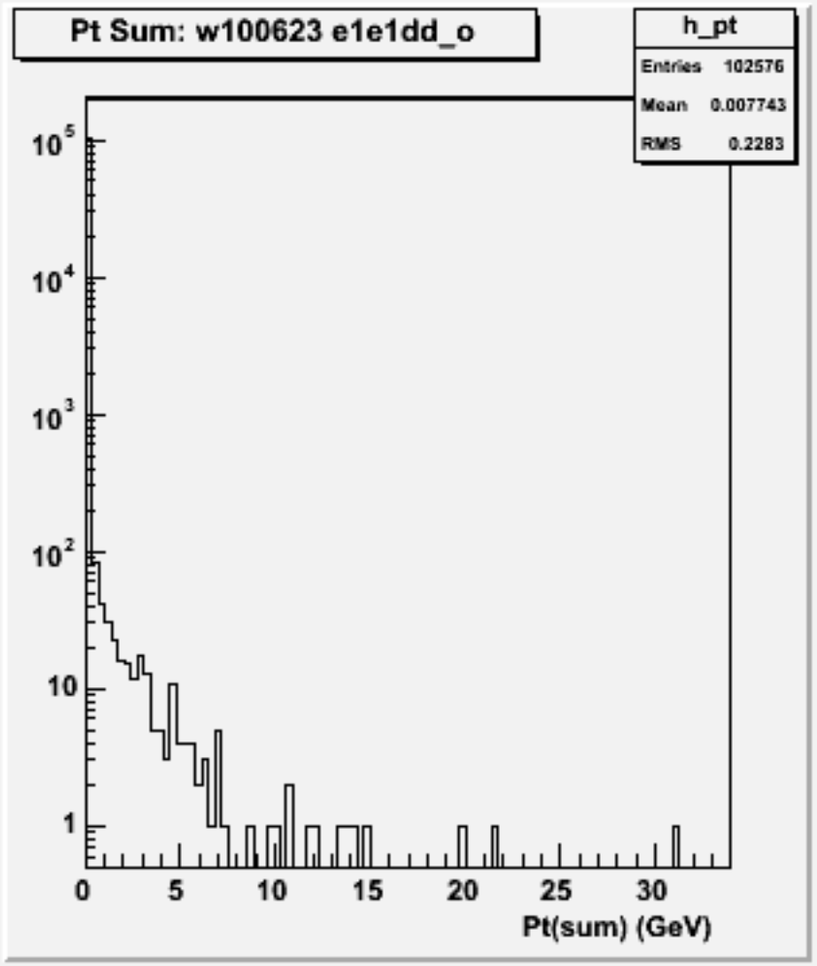

Pz Sum: w100623 e1e1dd_o
h_pz
Entries 102576
Mean -0.04312
RMS 6.359
Pz(sum) (GeV)

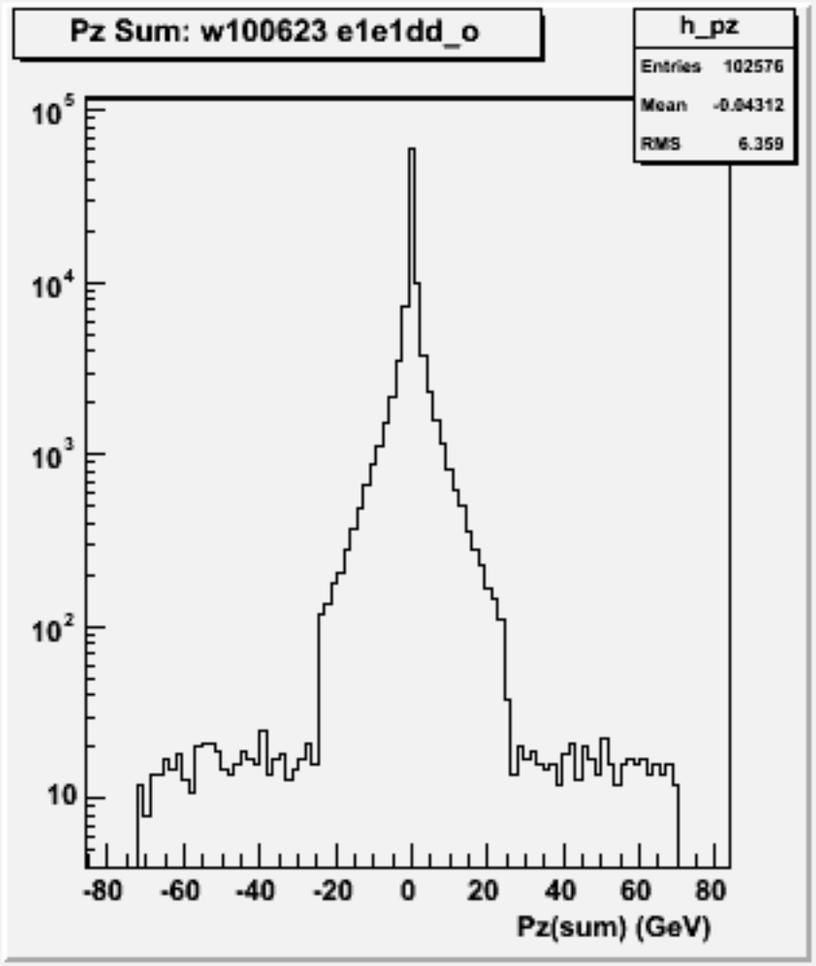

Thrust w100623 e1e1dd_o
h_thrust
Entries 102576
Mean 0.9234
RMS 0.06957
Thrust

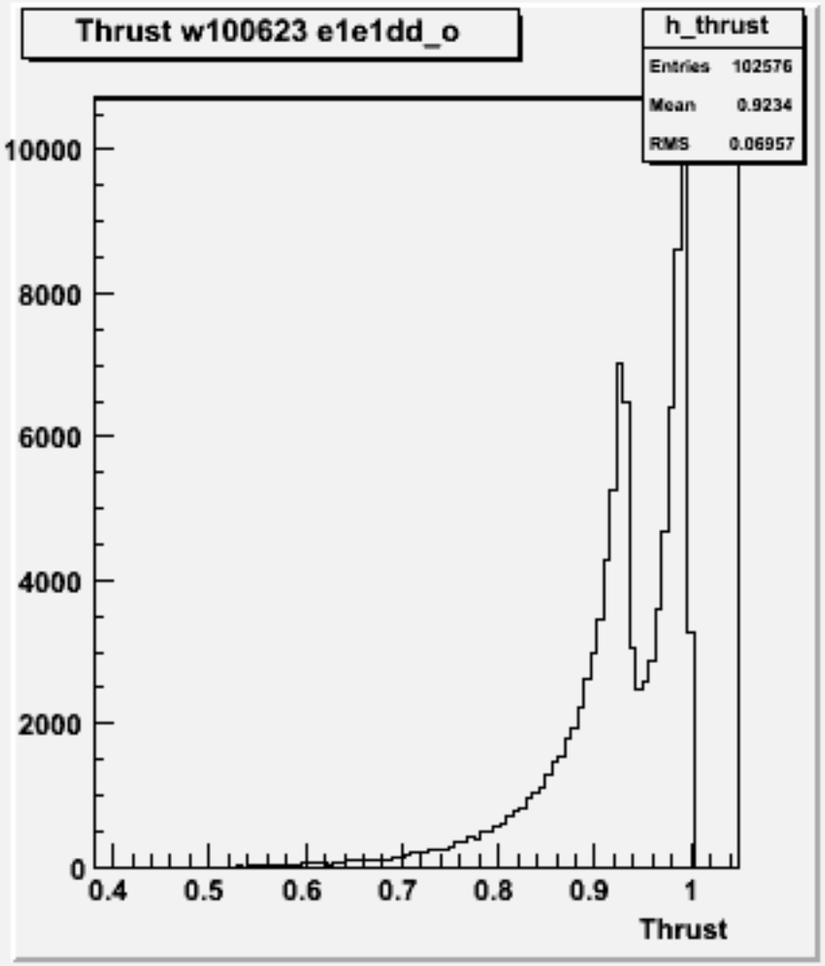

Total Energy (inc. ν): w100623 e1e1dd_o
h_etot
Entries 102576
Mean 347.2
RMS 6.485
Total Energy(GeV)

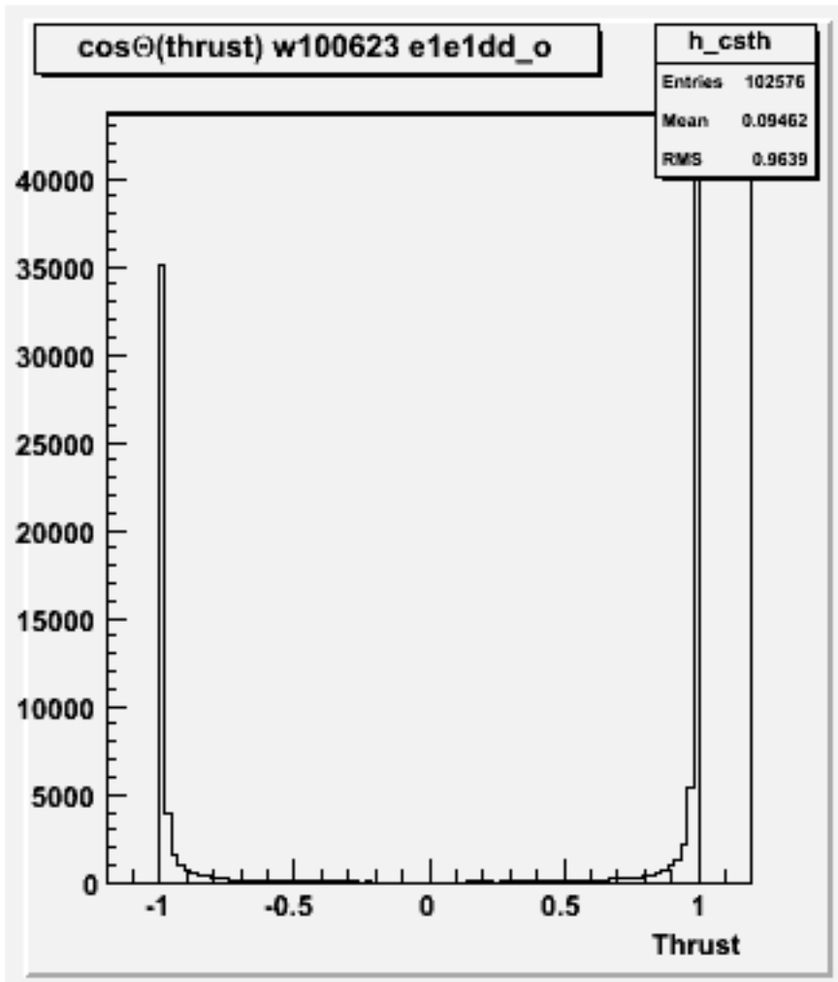

Total Energy (inc. ν): w100623 e1e1dd_o
h_etotc
Entries 94071
Mean 348.7
RMS 2.278
Total Energy(GeV)

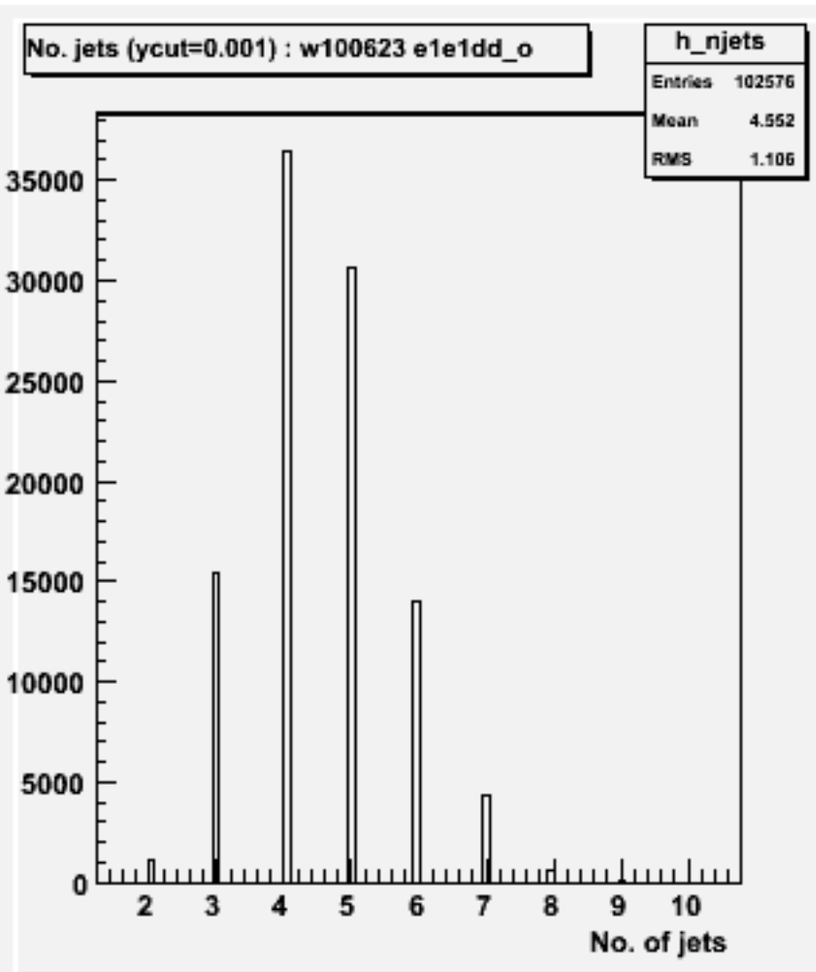

Total Energy (w/o ν): w100623 e1e1dd_o
h_evis
Entries 102576
Mean 347.2
RMS 6.497
Energy(GeV)

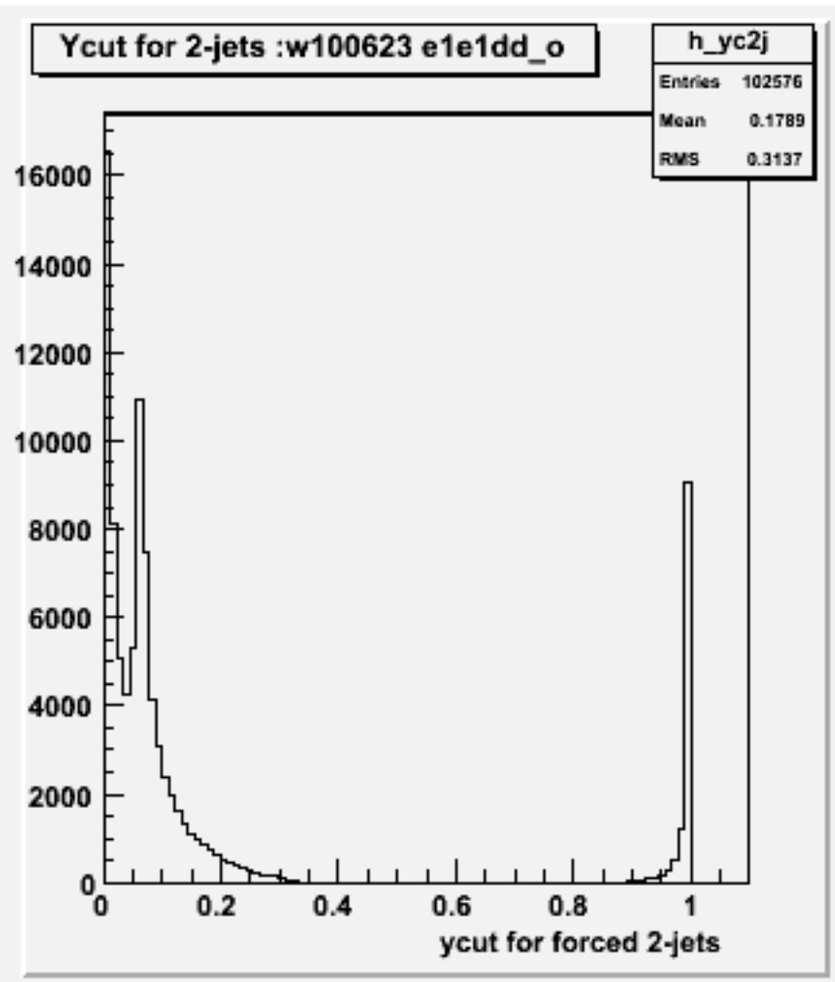

Pt Sum: w100623 e1e1dd_o
h_pt
Entries 102576
Mean 0.007743
RMS 0.2283
Pt(sum) (GeV)

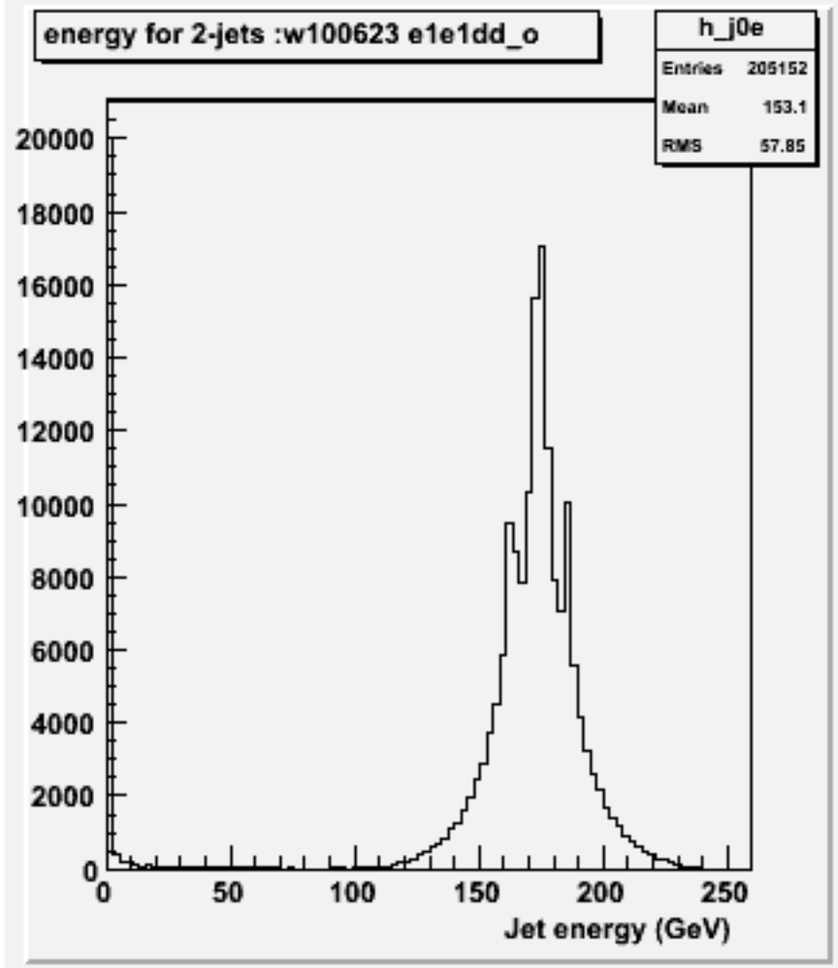

Pz Sum: w100623 e1e1dd_o
h_pz
Entries 102576
Mean -0.04312
RMS 6.359
Pz(sum) (GeV)

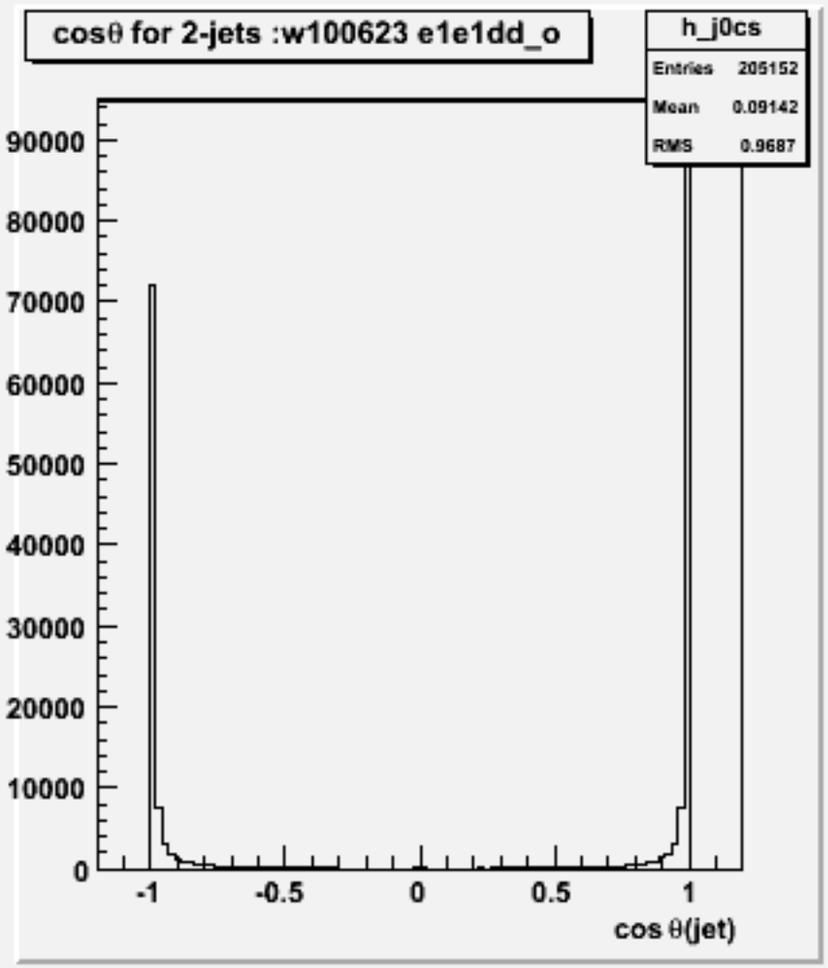

Thrust w100623 e1e1dd_o
h_thrust
Entries 102576
Mean 0.9234
RMS 0.06957
Thrust

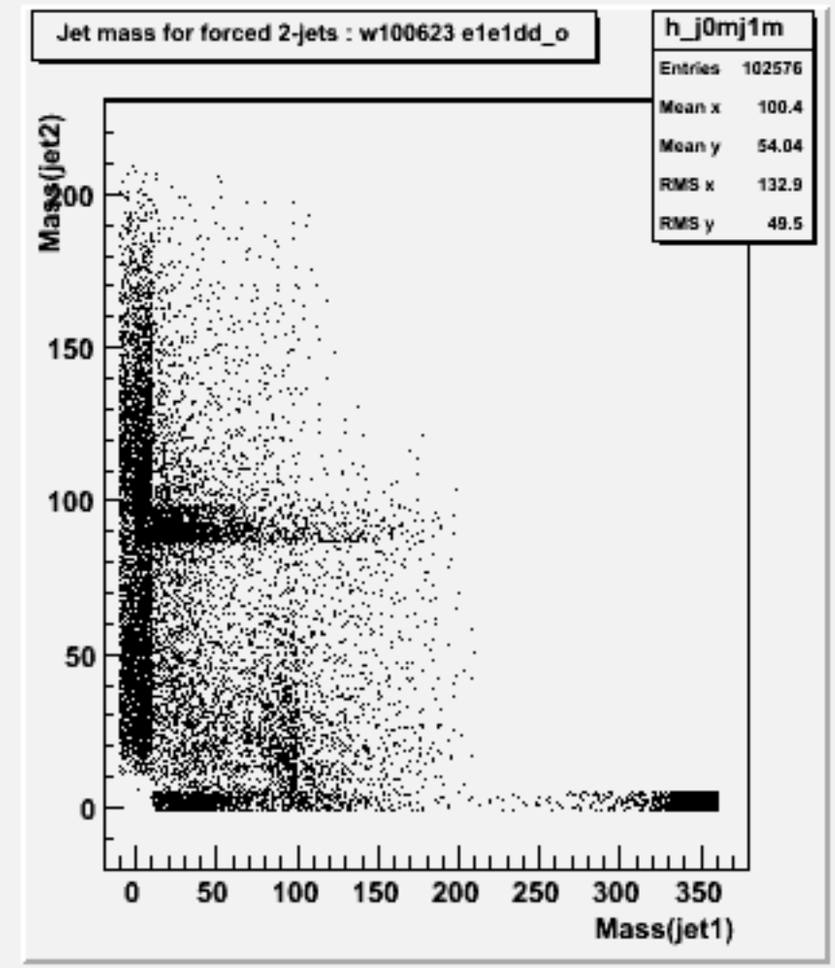

cosΘ(thrust) w100623 e1e1dd_o
h_csth
Entries 102576
Mean 0.09462
RMS 0.9639
Thrust

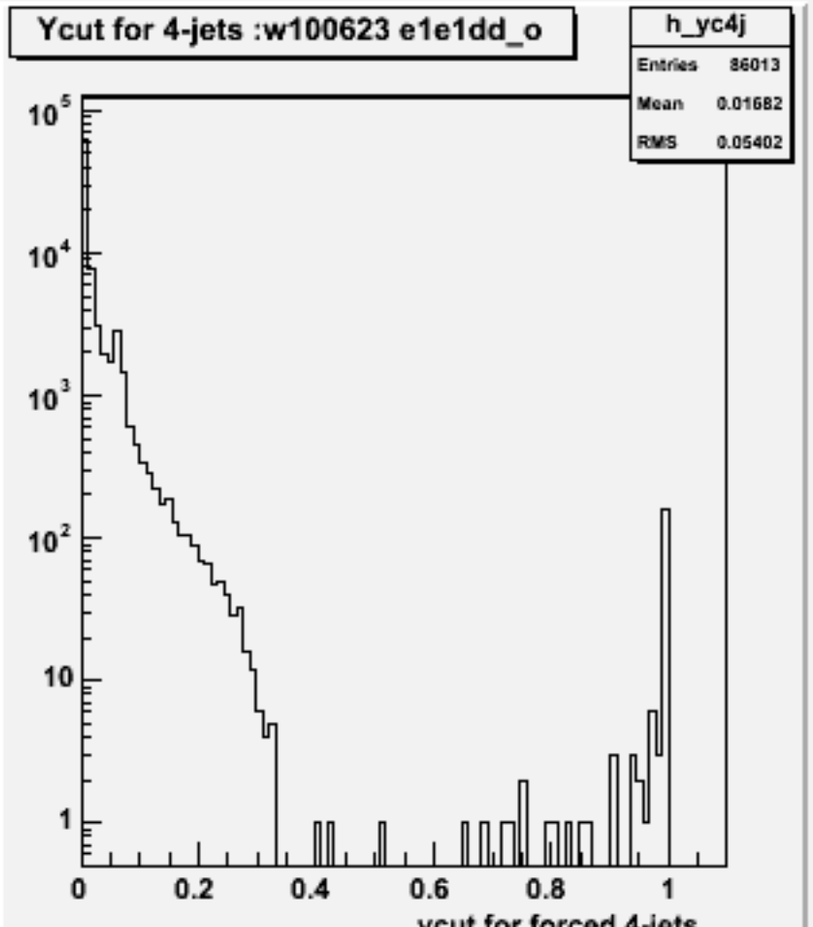

No. jets (ycut=0.001) : w100623 e1e1dd_o
h_njets
Entries 102576
Mean 4.552
RMS 1.106
No. of jets

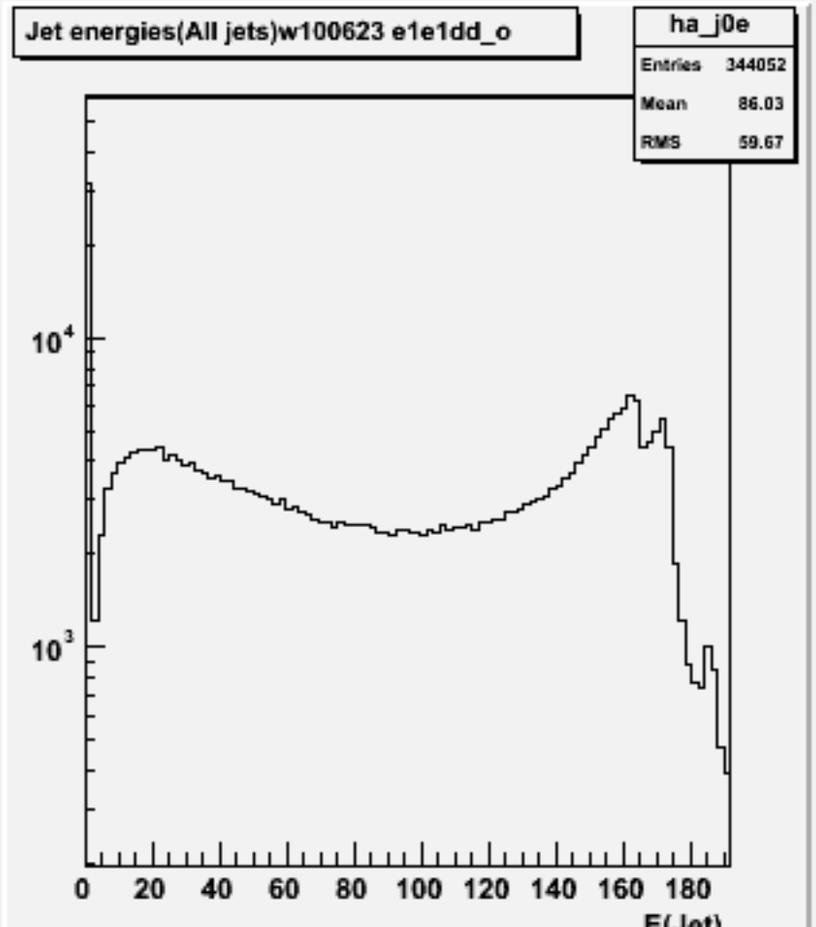

Ycut for 2-jets :w100623 e1e1dd_o
h_yc2j
Entries 102576
Mean 0.1789
RMS 0.3137
ycut for forced 2-jets

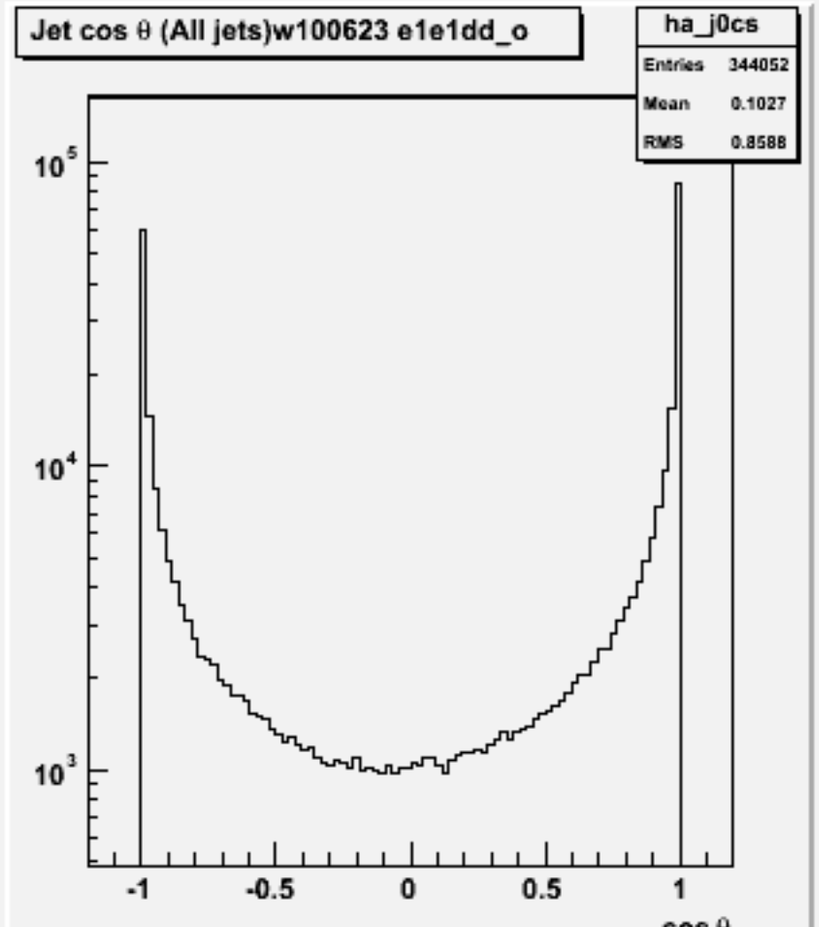

energy for 2-jets :w100623 e1e1dd_o
h_j0e
Entries 205152
Mean 153.1
RMS 57.85
Jet energy (GeV)

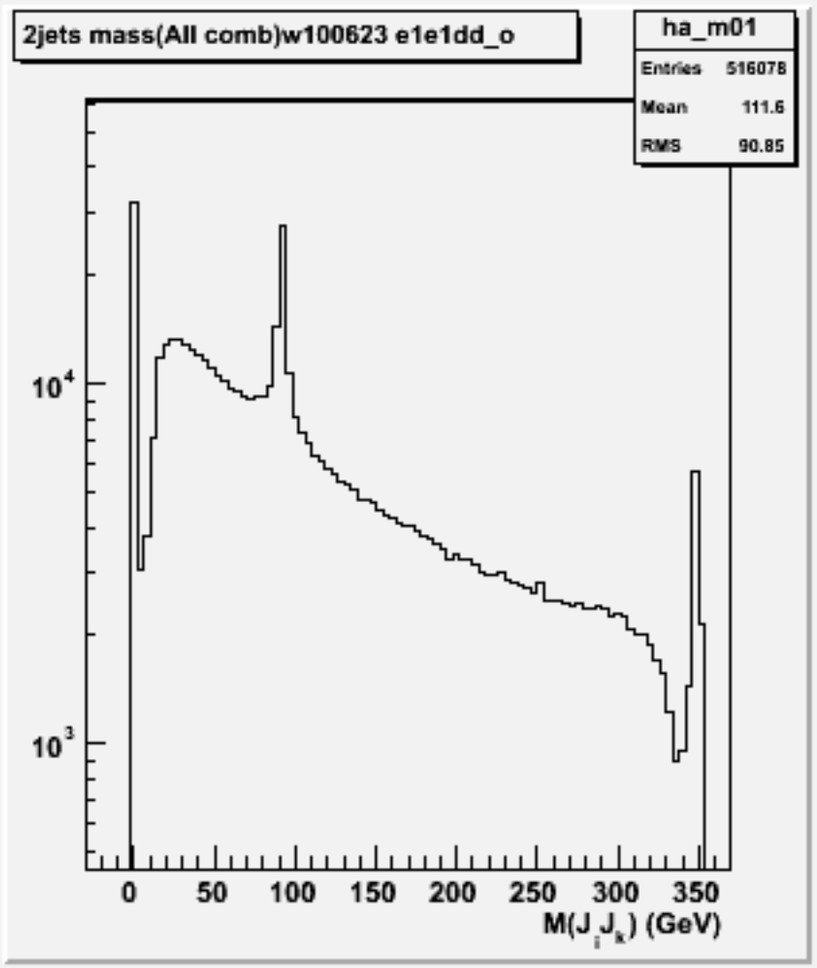

cosθ for 2-jets :w100623 e1e1dd_o
h_j0cs
Entries 205152
Mean 0.09142
RMS 0.9687
cos θ(jet)

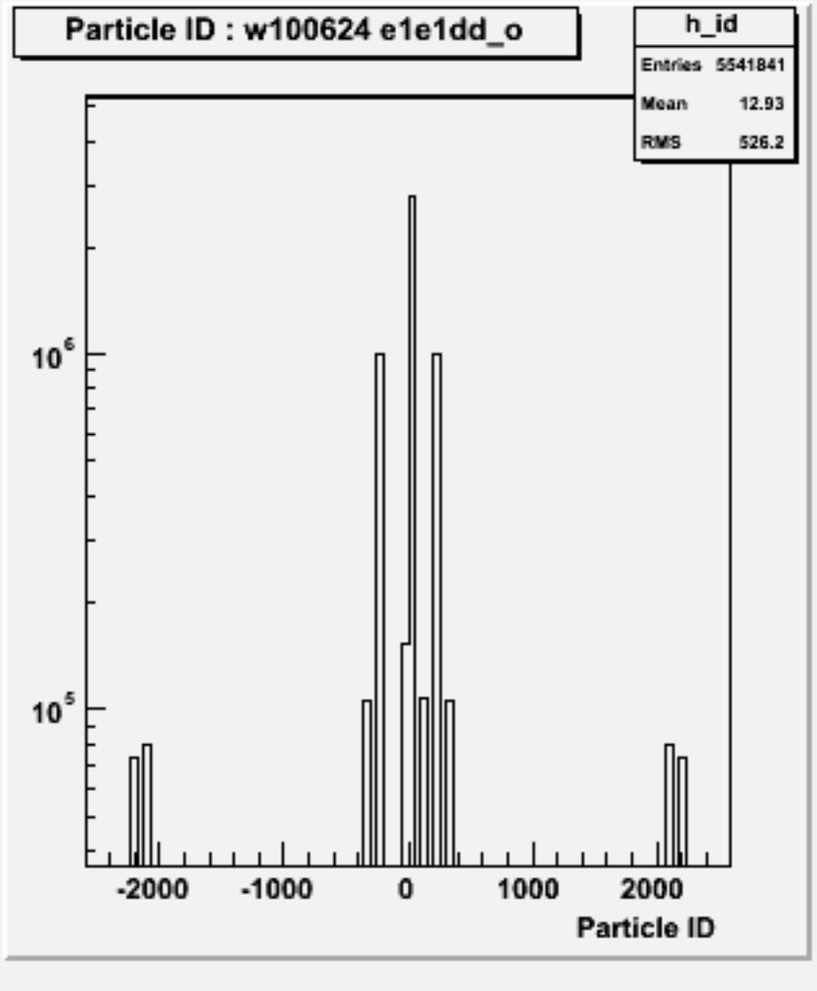

Jet mass for forced 2-jets : w100623 e1e1dd_o
h_j0mj1m
Entries 102576
Mean x 100.4
Mean y 54.04
RMS x 132.9
RMS y 49.5
Mass(jet2)
Mass(jet1)

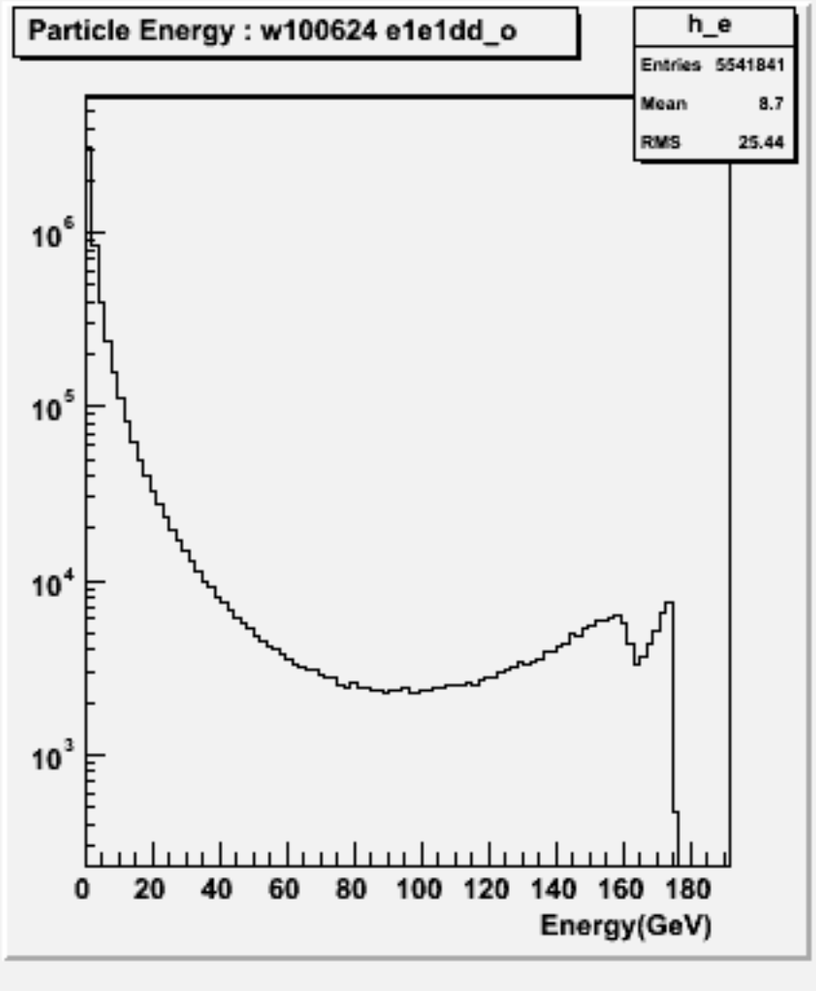

Ycut for 4-jets :w100623 e1e1dd_o
h_yc4j
Entries 86013
Mean 0.01682
RMS 0.05402
ycut for forced 4-jets

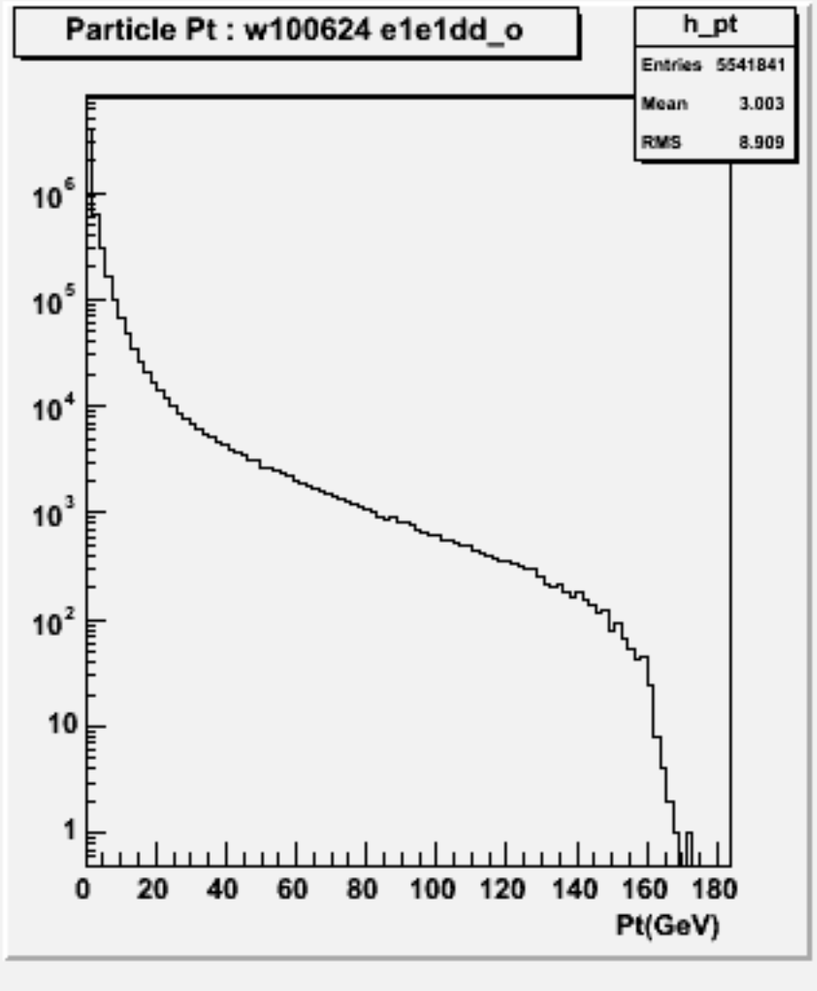

Jet energies(All jets)w100623 e1e1dd_o
ha_j0e
Entries 344052
Mean 86.03
RMS 59.67
E(Jet)

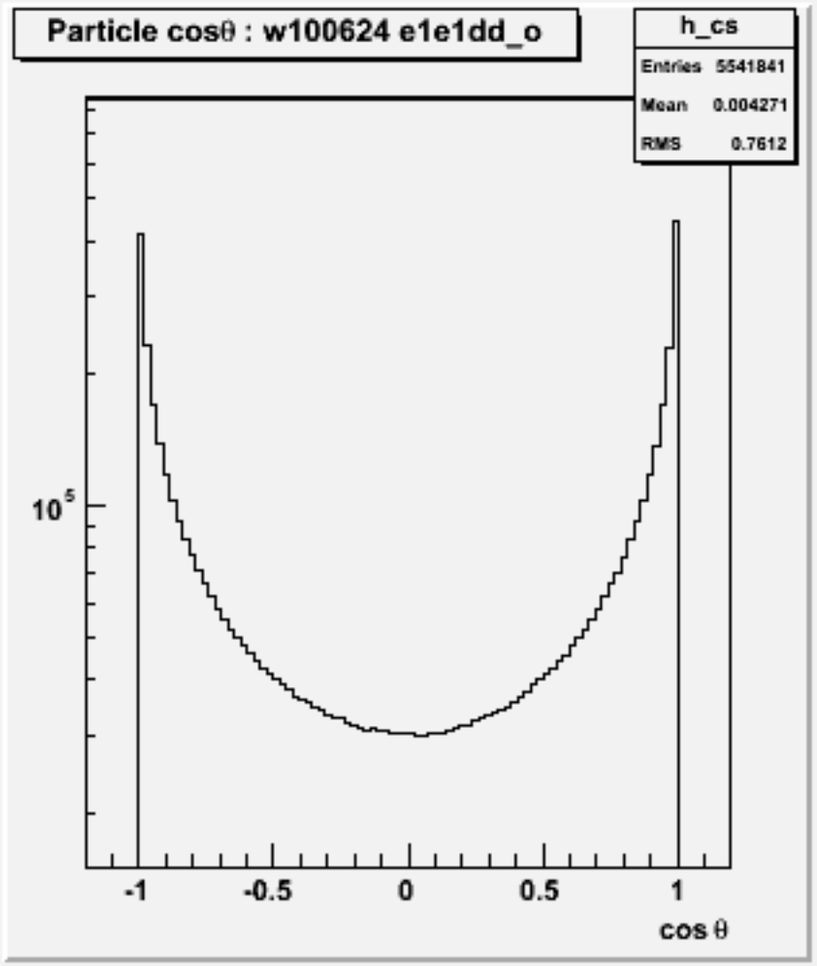

Jet cos θ (All jets)w100623 e1e1dd_o
ha_j0cs
Entries 344052
Mean 0.1027
RMS 0.8588
cos θ

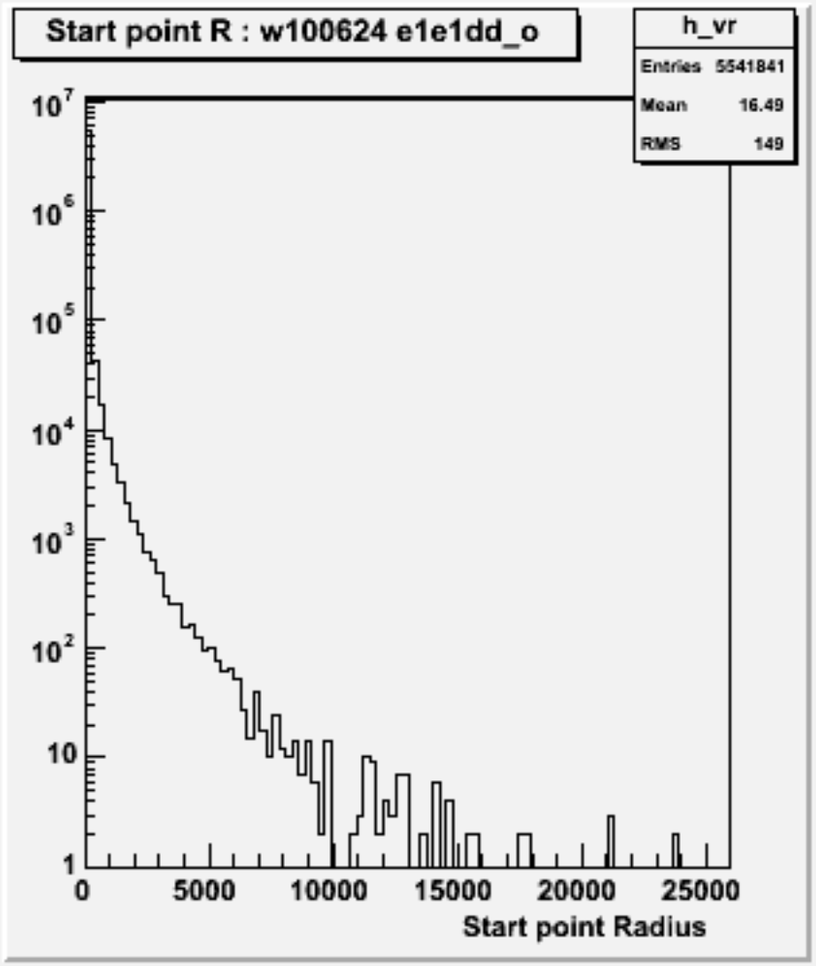

2jets mass(All comb)w100623 e1e1dd_o
ha_m01
Entries 516078
Mean 111.6
RMS 90.85
M(J_iJ_k) (GeV)

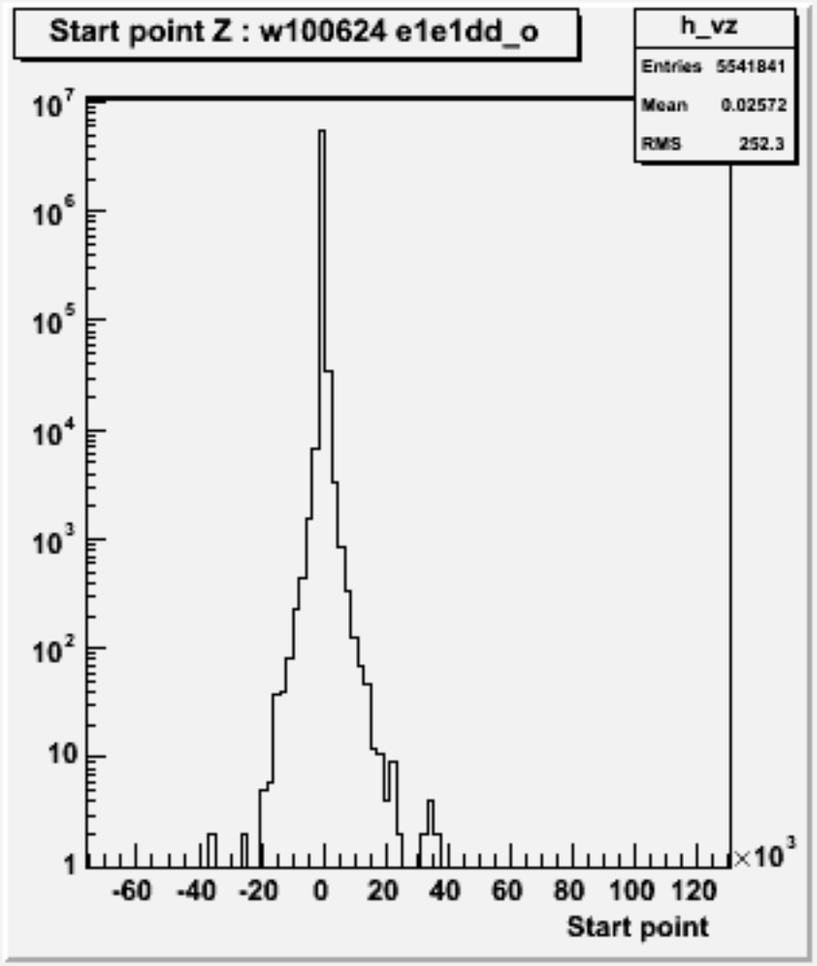

Particle ID : w100624 e1e1dd_o
h_id
Entries 5541841
Mean 12.93
RMS 526.2
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

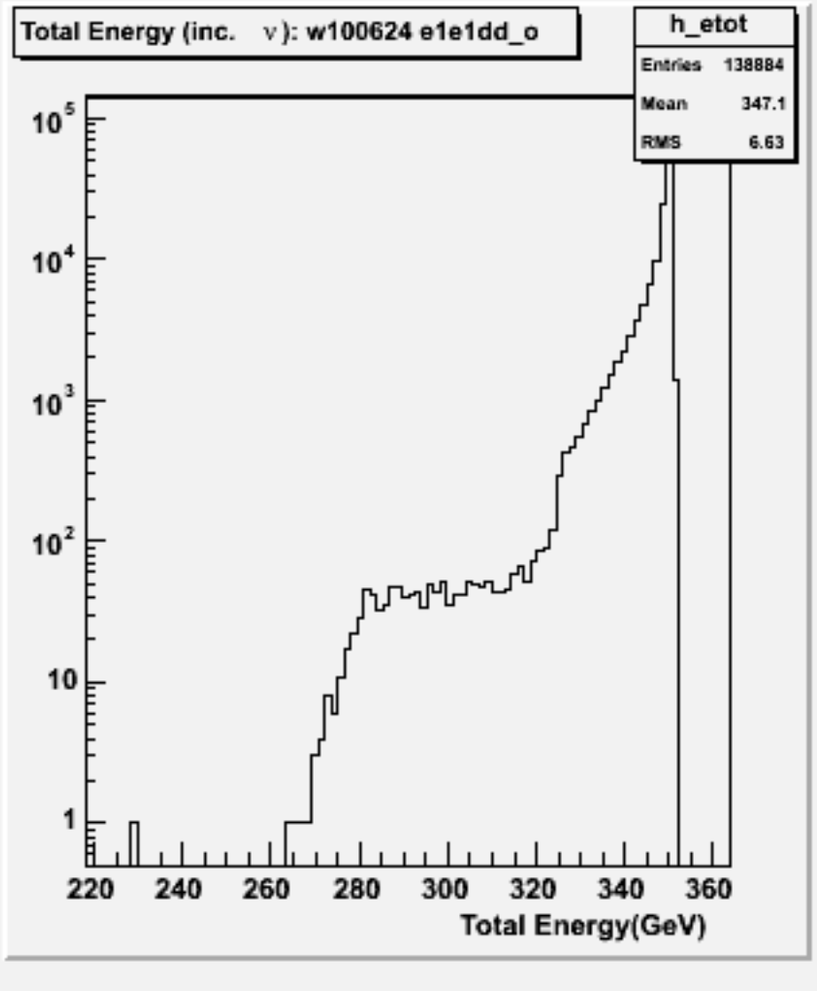

Particle Energy : w100624 e1e1dd_o
h_e
Entries 5541841
Mean 8.7
RMS 25.44
10^6
10^5
10^4
10^3
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

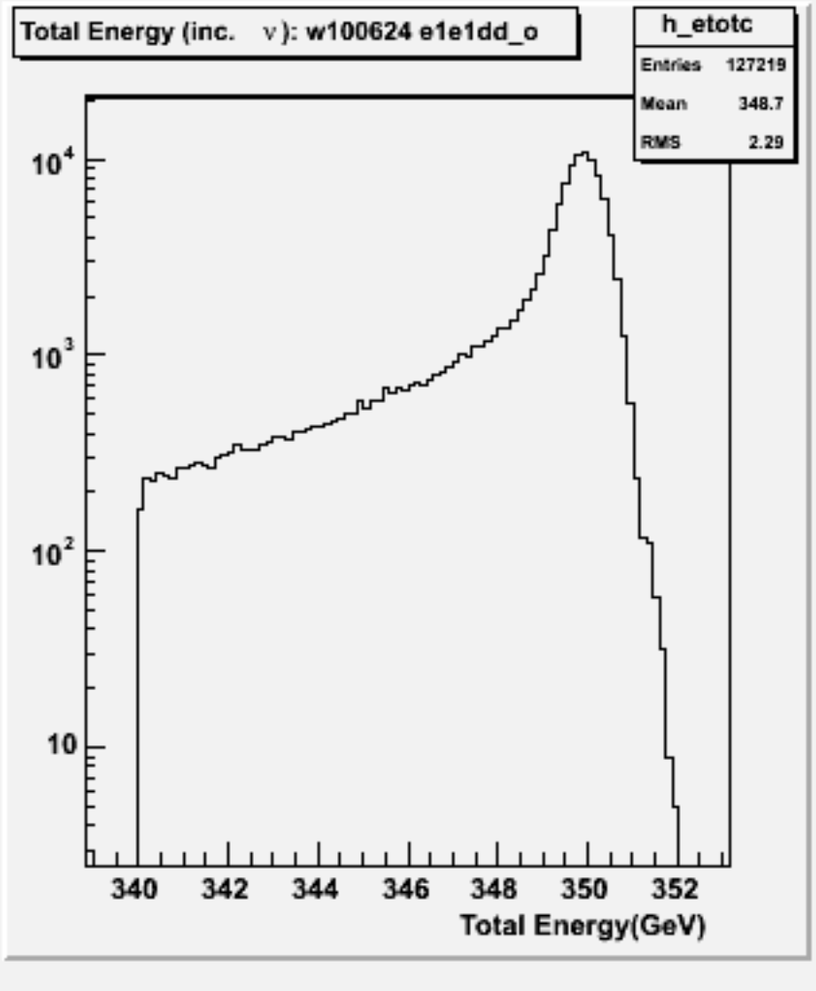

Particle Pt : w100624 e1e1dd_o
h_pt
Entries 5541841
Mean 3.003
RMS 8.909
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

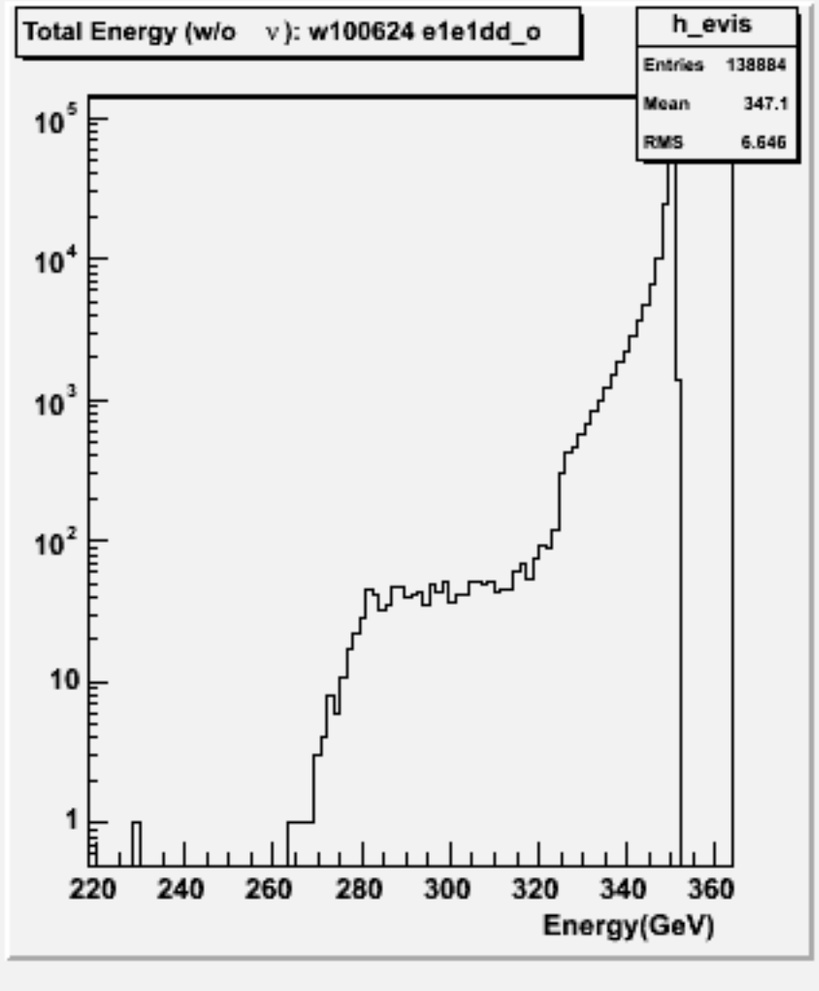

Particle cosθ : w100624 e1e1dd_o
h_cs
Entries 5541841
Mean 0.004271
RMS 0.7612
10^5
-1
-0.5
0
0.5
1
cos θ

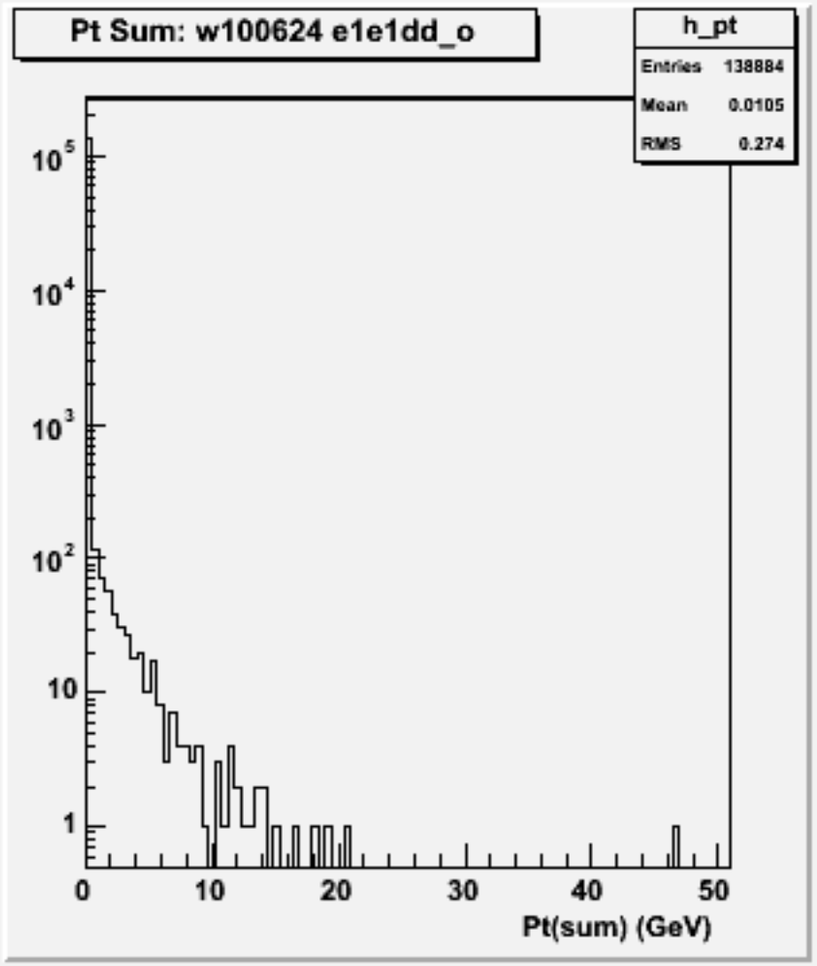

Start point R : w100624 e1e1dd_o
h_vr
Entries 5541841
Mean 16.49
RMS 149
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

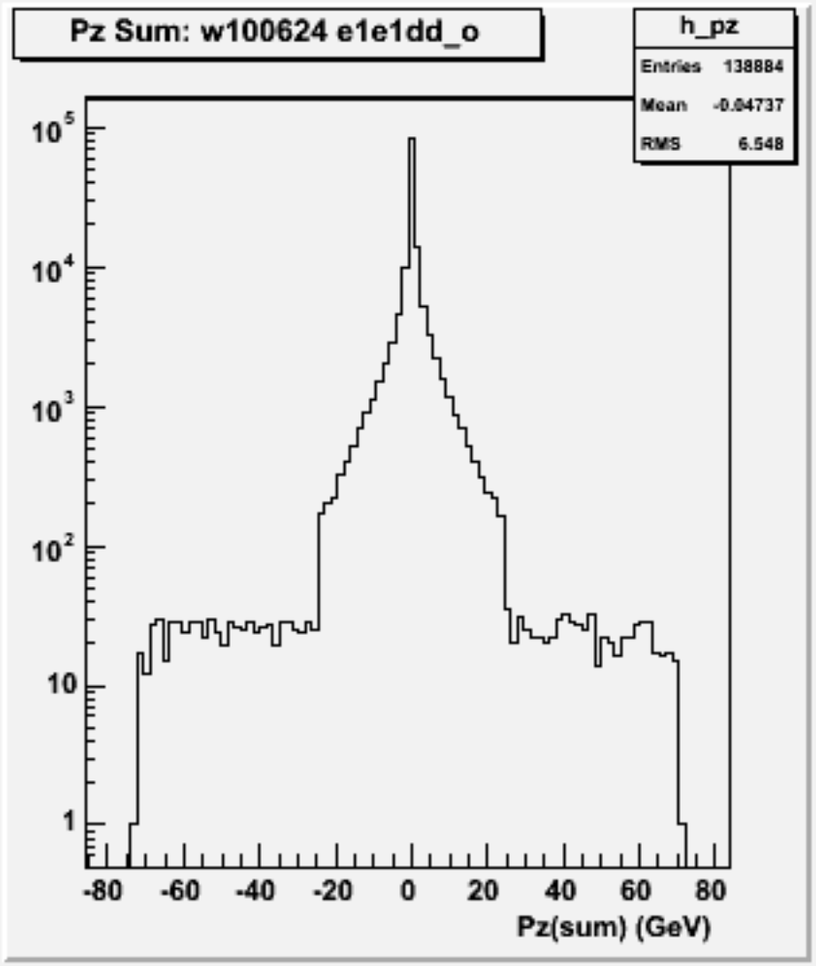

Start point Z : w100624 e1e1dd_o
h_vz
Entries 5541841
Mean 0.02572
RMS 252.3
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-60
-40
-20
0
20
40
60
80
100
120
$\times 10^3$
Start point

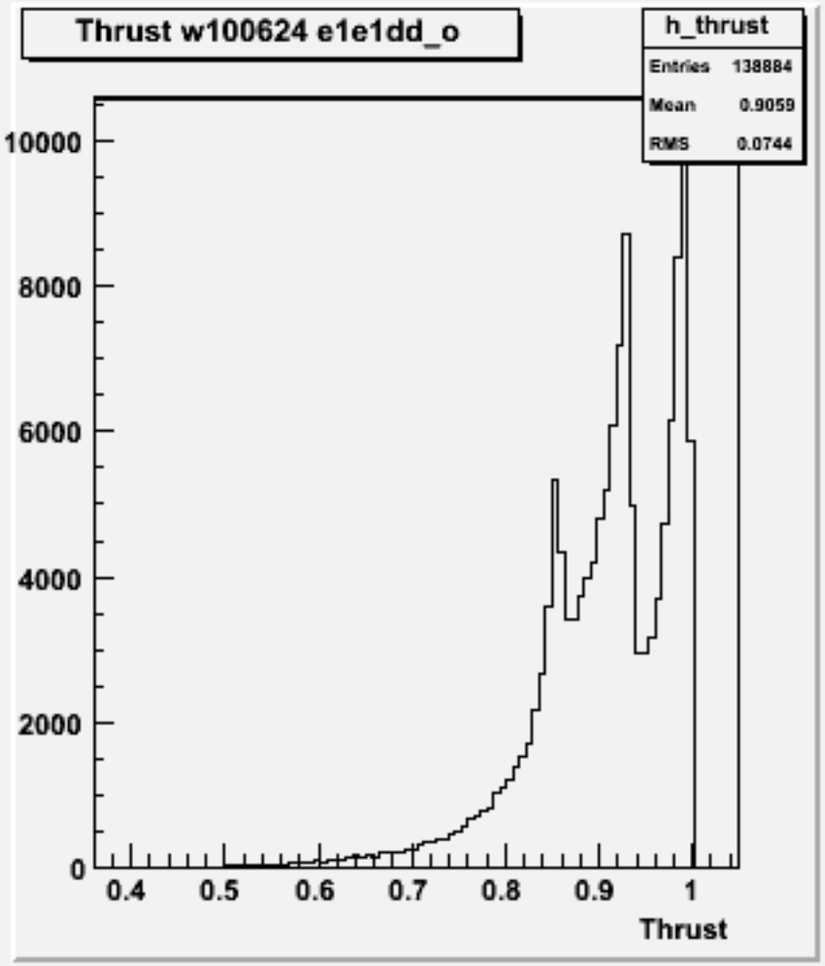

Total Energy (inc. ν): w100624 e1e1dd_o
h_etot
Entries 138884
Mean 347.1
RMS 6.63
Total Energy(GeV)

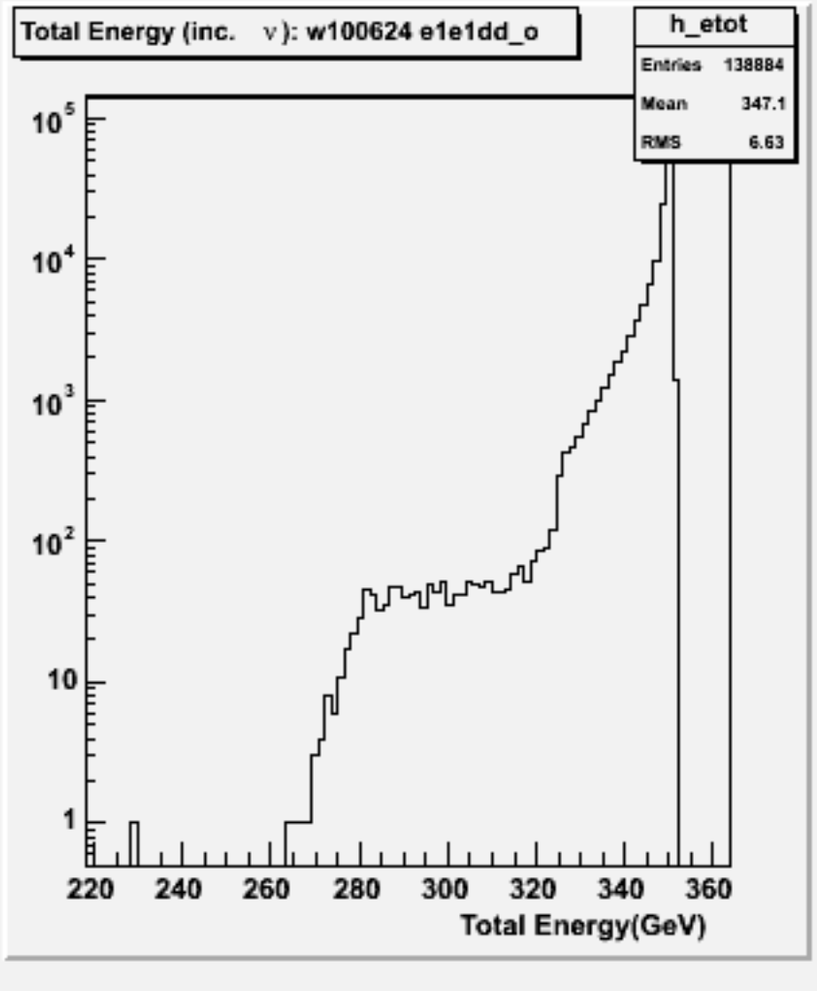

Total Energy (inc. ν): w100624 e1e1dd_o
h_etotc
Entries 127219
Mean 348.7
RMS 2.29
Total Energy(GeV)

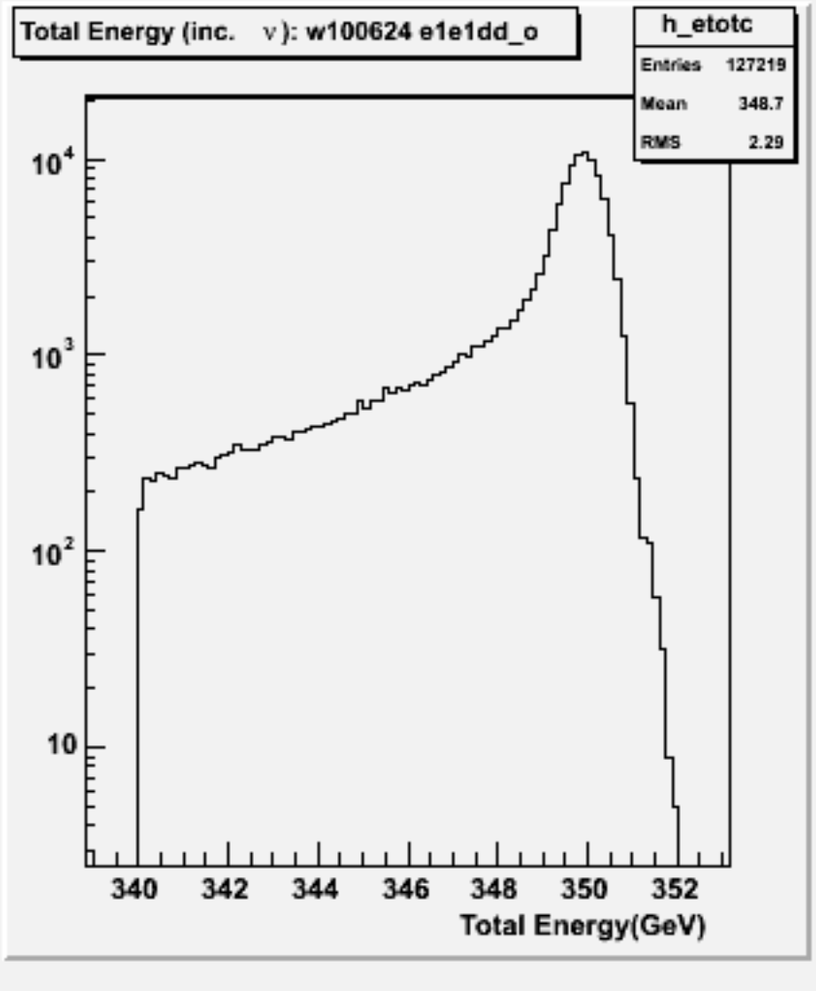

Total Energy (w/o ν): w100624 e1e1dd_o
h_evis
Entries 138884
Mean 347.1
RMS 6.646
Energy(GeV)

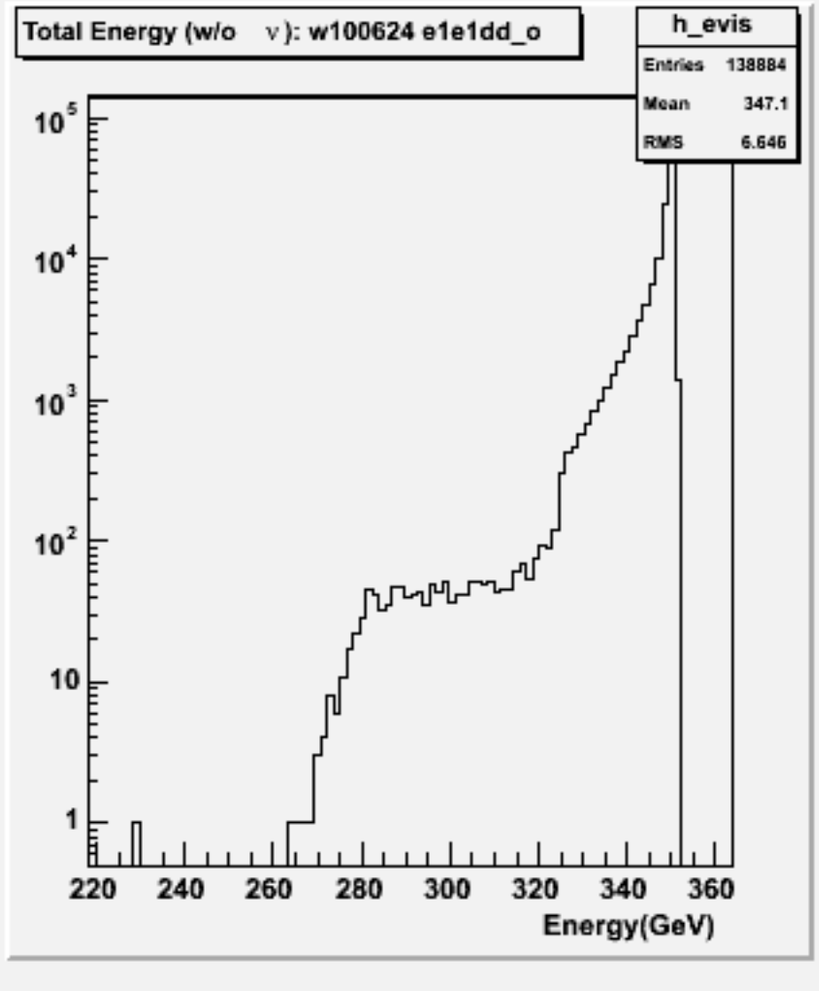

Pt Sum: w100624 e1e1dd_o
h_pt
Entries 138884
Mean 0.0105
RMS 0.274
Pt(sum) (GeV)

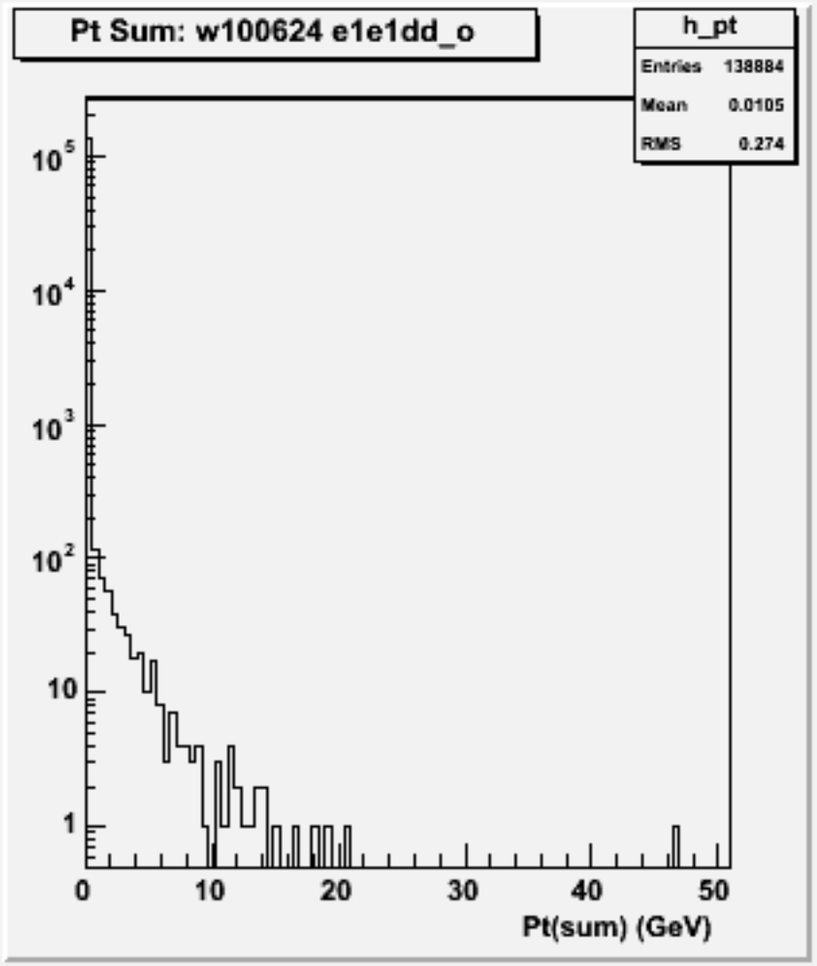

Pz Sum: w100624 e1e1dd_o
h_pz
Entries 138884
Mean -0.04737
RMS 6.548
Pz(sum) (GeV)

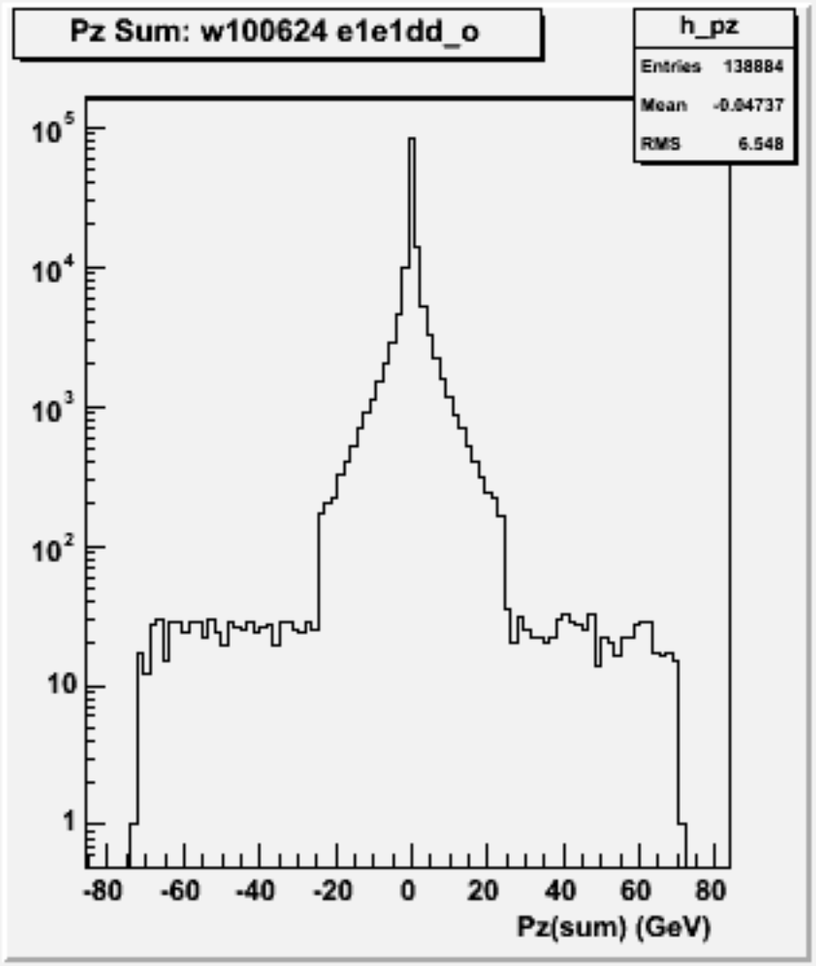

Thrust w100624 e1e1dd_o
h_thrust
Entries 138884
Mean 0.9059
RMS 0.0744
Thrust

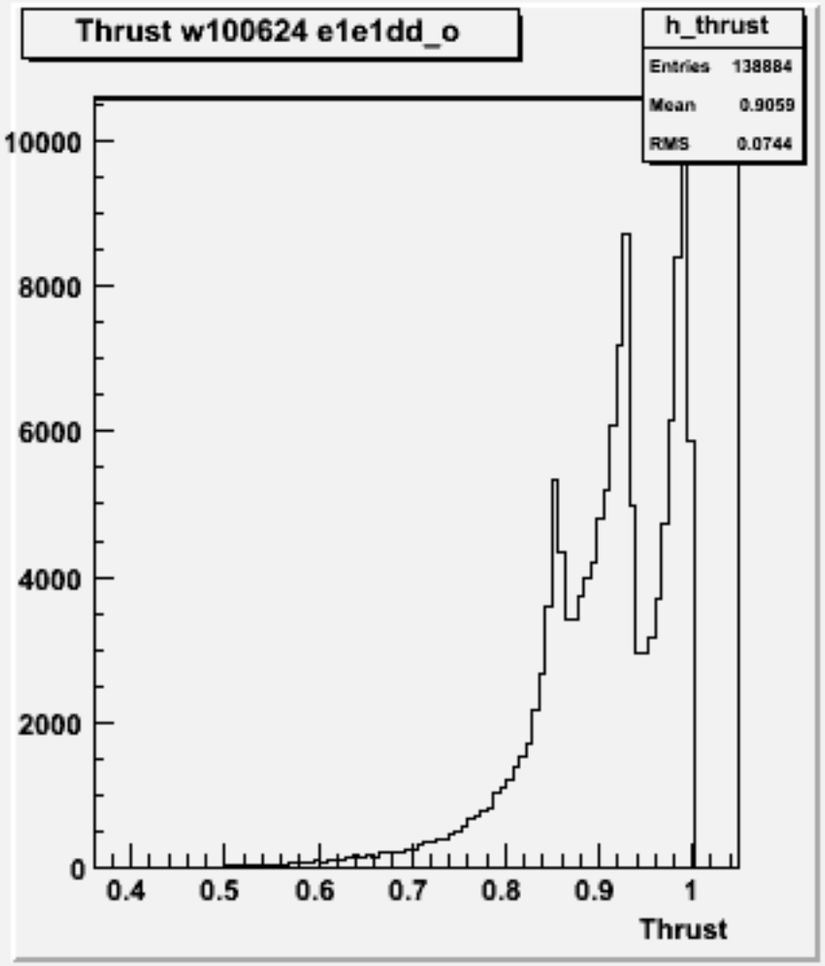

Total Energy (inc. ν): w100624 e1e1dd_o
h_etot
Entries 138884
Mean 347.1
RMS 6.63
Total Energy(GeV)

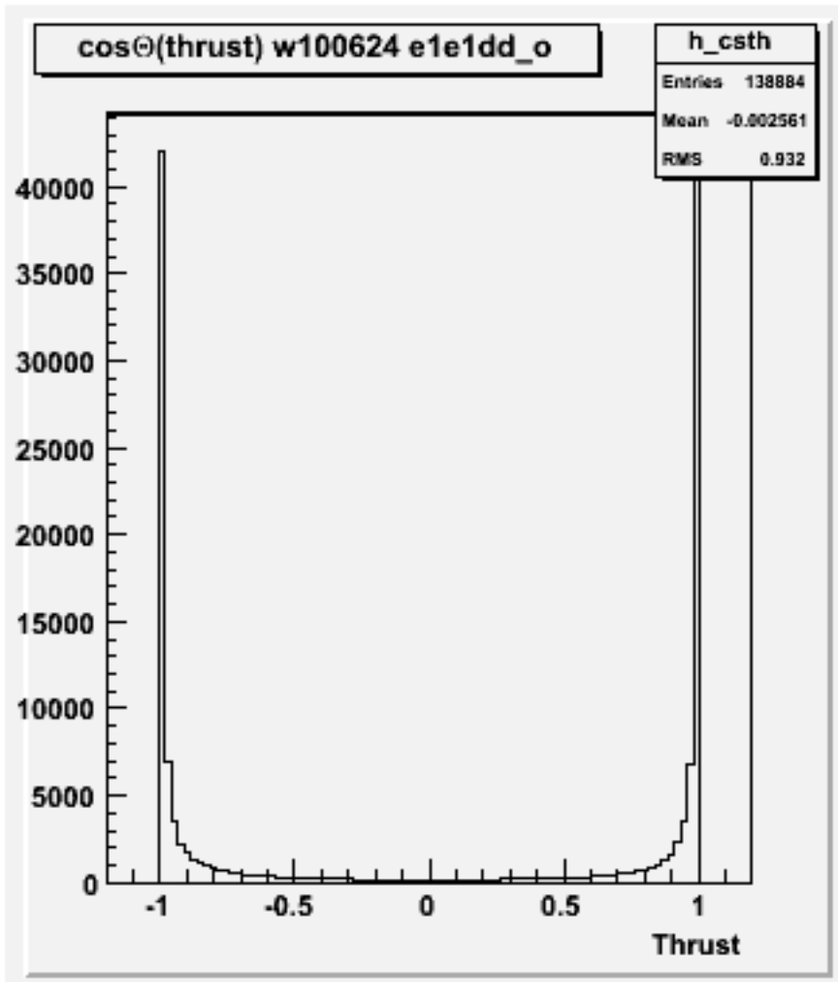

Total Energy (inc. ν): w100624 e1e1dd_o
h_etotc
Entries 127219
Mean 348.7
RMS 2.29
Total Energy(GeV)

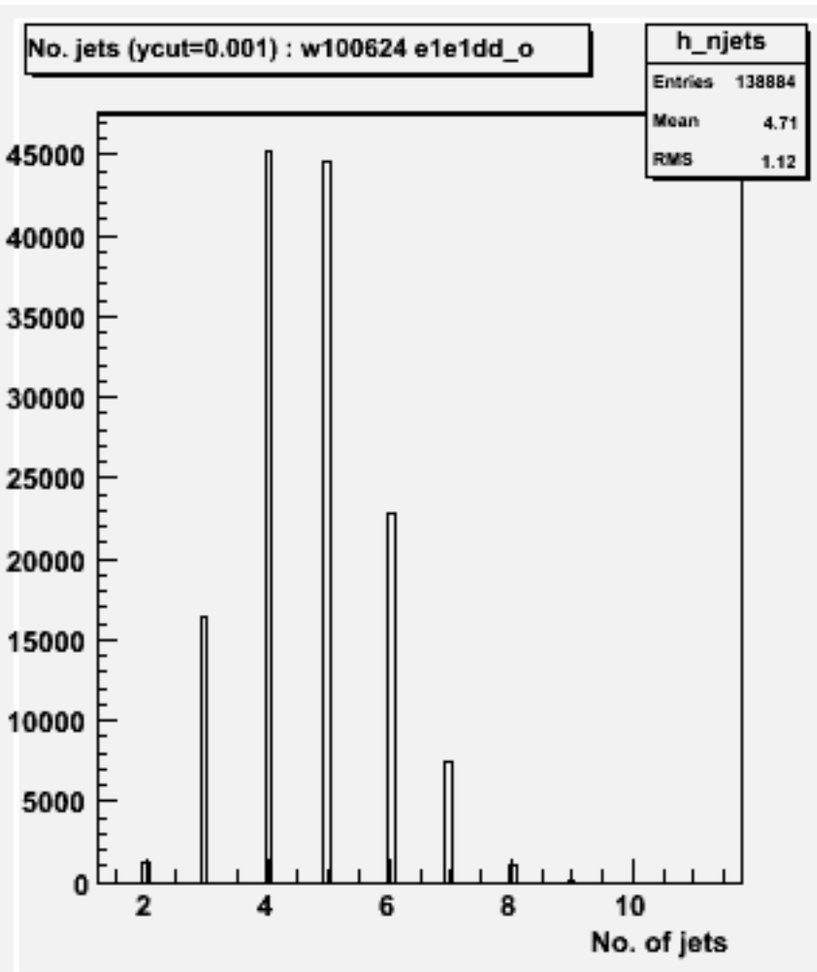

Total Energy (w/o ν): w100624 e1e1dd_o
h_evis
Entries 138884
Mean 347.1
RMS 6.646
Energy(GeV)

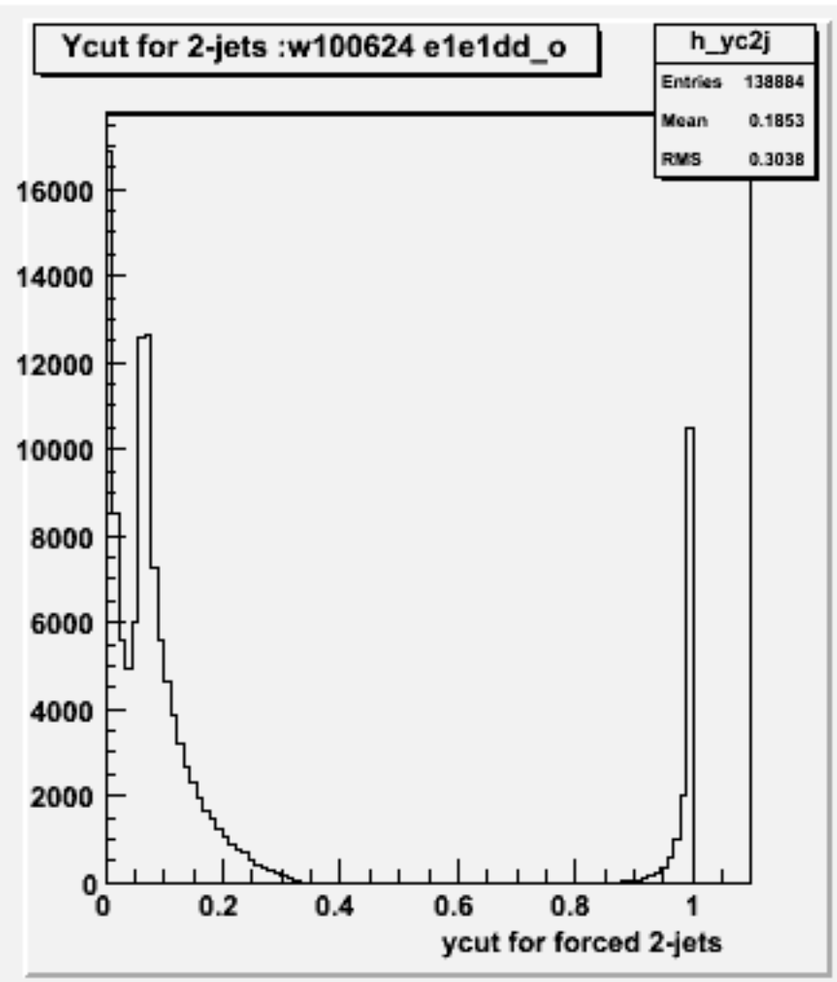

Pt Sum: w100624 e1e1dd_o
h_pt
Entries 138884
Mean 0.0105
RMS 0.274
Pt(sum) (GeV)

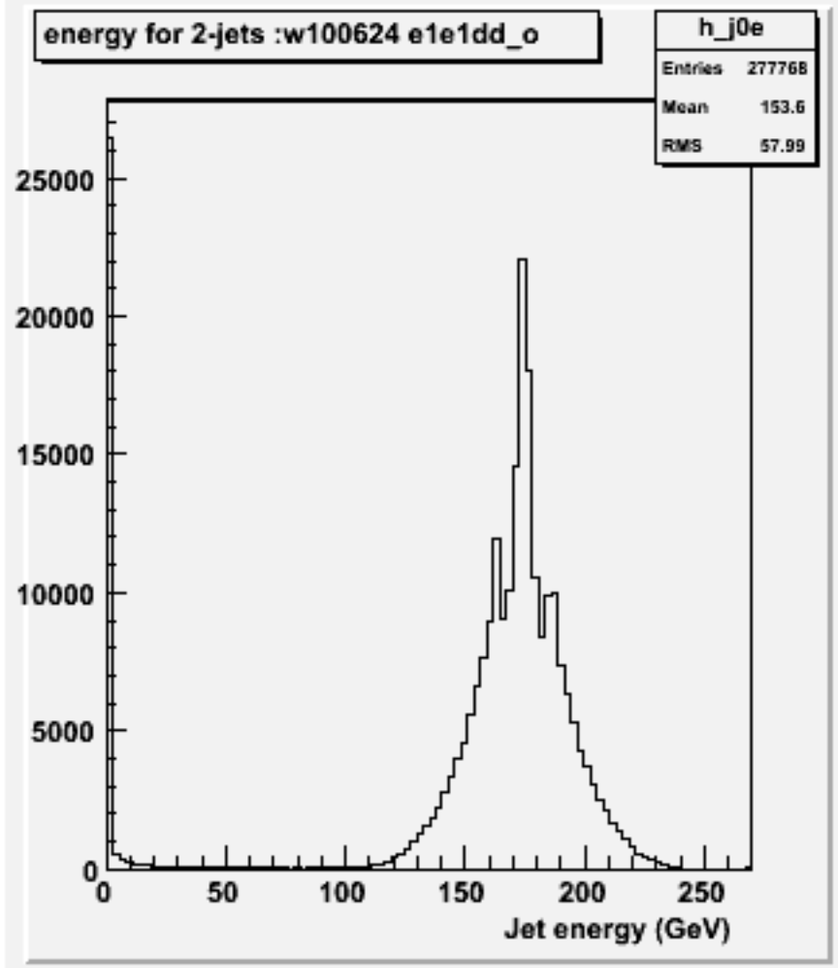

Pz Sum: w100624 e1e1dd_o
h_pz
Entries 138884
Mean -0.04737
RMS 6.548
Pz(sum) (GeV)

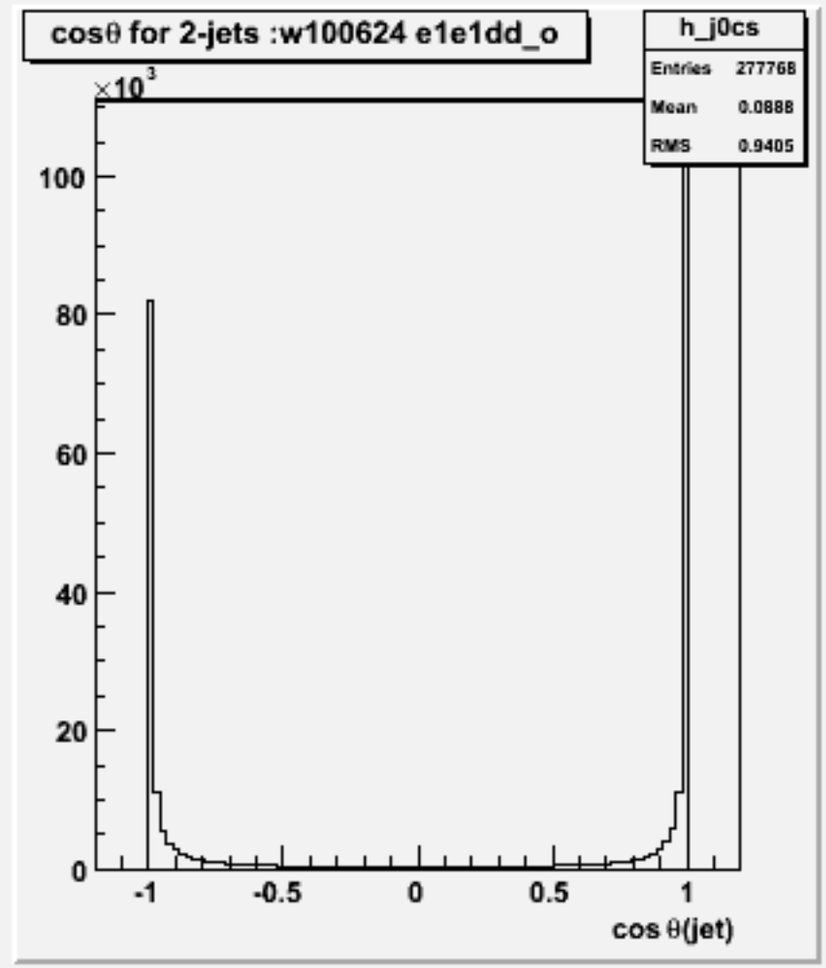

Thrust w100624 e1e1dd_o
h_thrust
Entries 138884
Mean 0.9059
RMS 0.0744
Thrust

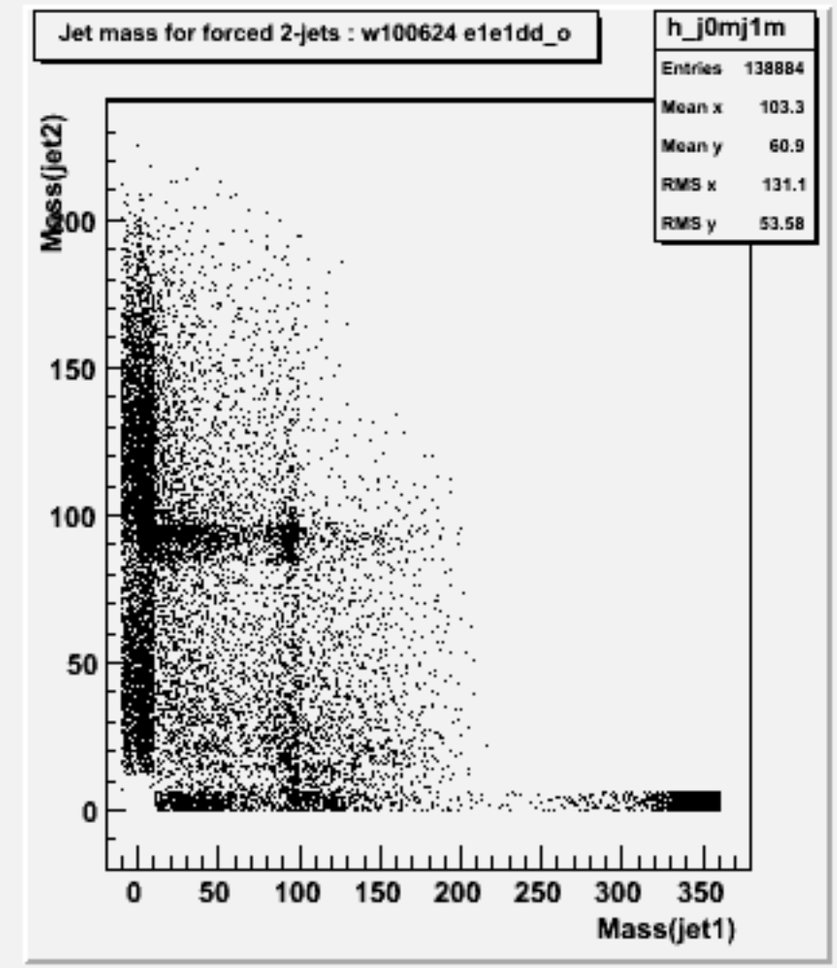

cosΘ(thrust) w100624 e1e1dd_o
h_csth
Entries 138884
Mean -0.002561
RMS 0.932
Thrust

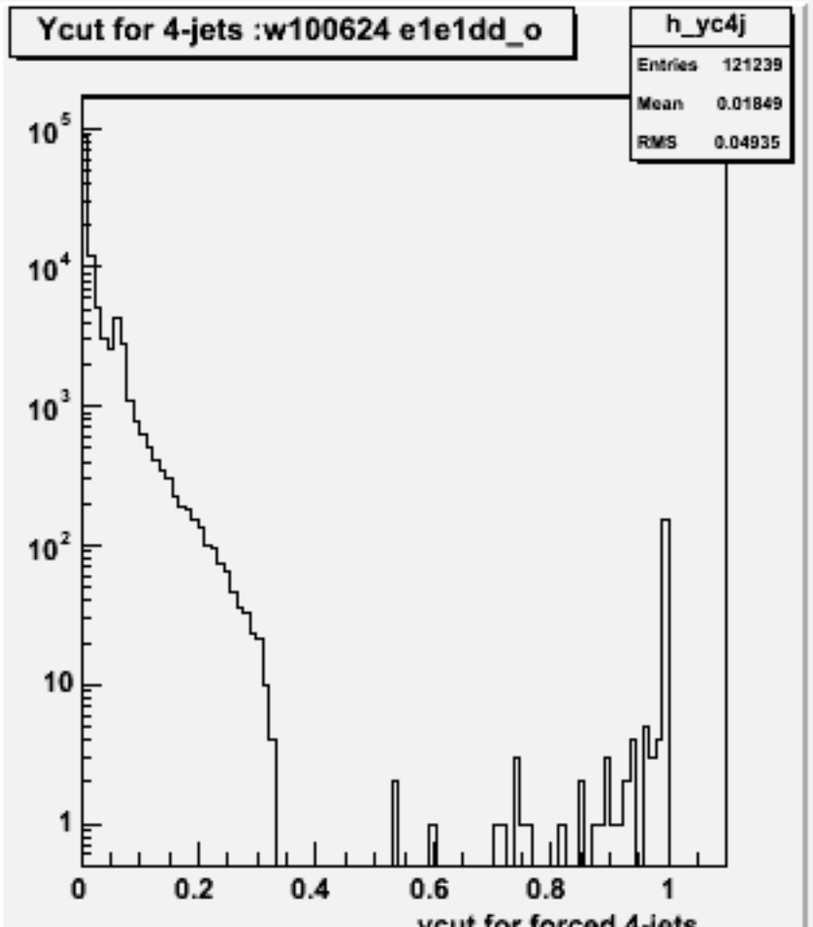

No. jets (ycut=0.001) : w100624 e1e1dd_o
h_njets
Entries 138884
Mean 4.71
RMS 1.12
No. of jets

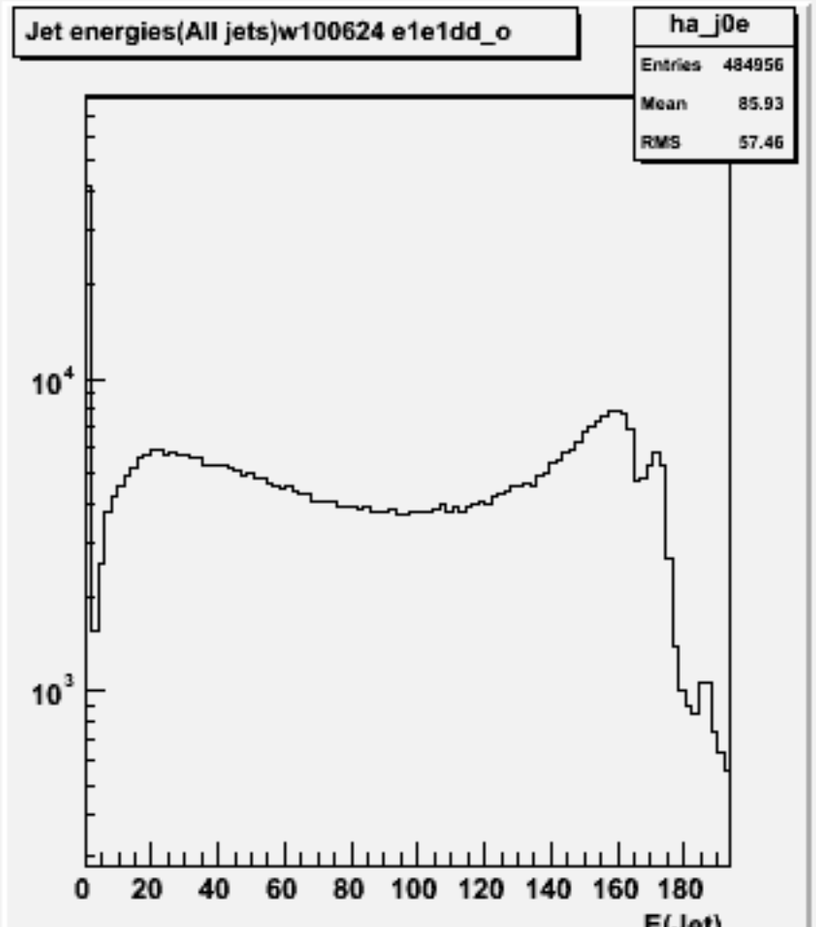

Ycut for 2-jets :w100624 e1e1dd_o
h_yc2j
Entries 138884
Mean 0.1853
RMS 0.3038
ycut for forced 2-jets

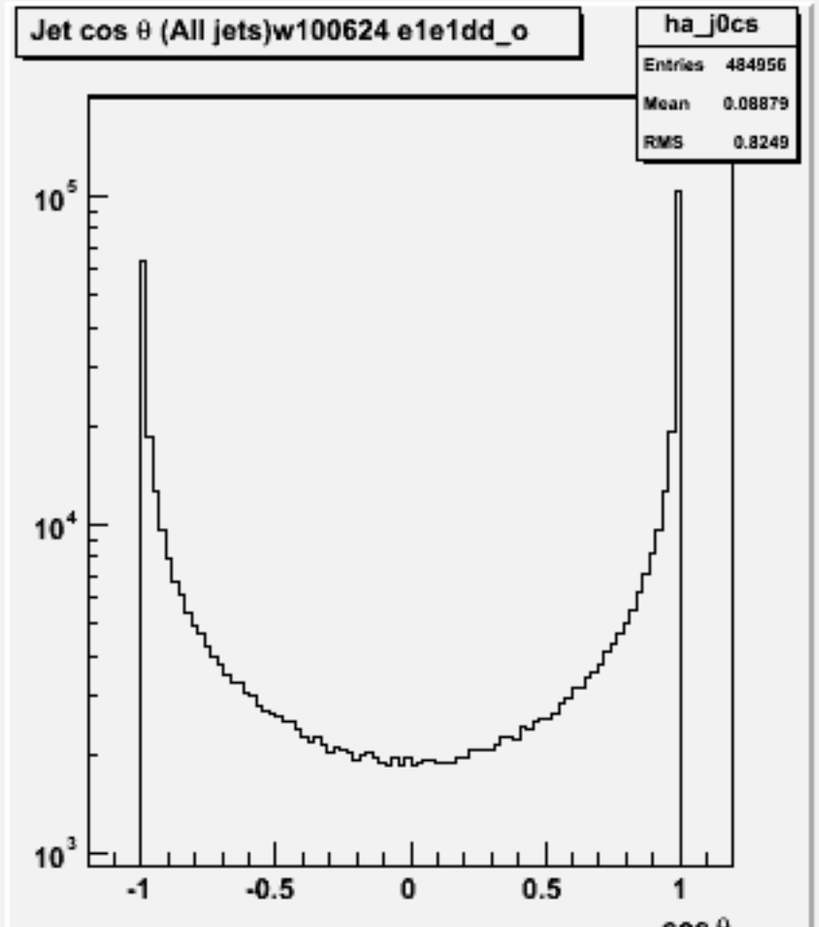

energy for 2-jets :w100624 e1e1dd_o
h_j0e
Entries 277768
Mean 153.6
RMS 57.99
Jet energy (GeV)

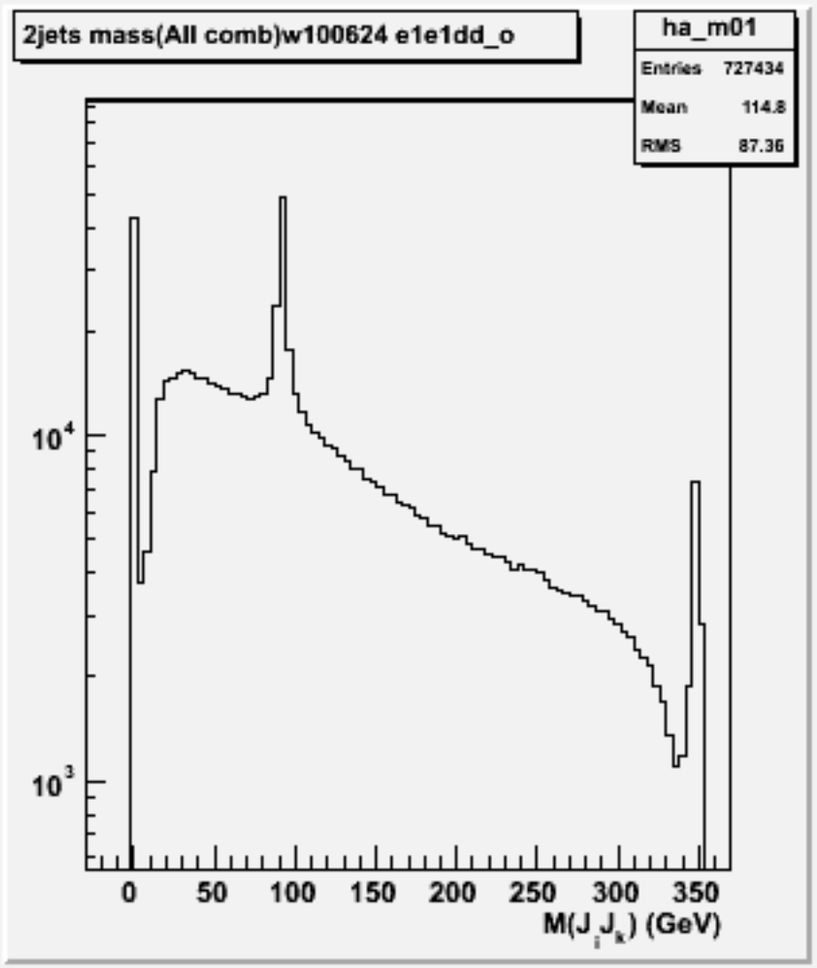

cosθ for 2-jets :w100624 e1e1dd_o
h_j0cs
Entries 277768
Mean 0.0888
RMS 0.9405
cos θ(jet)

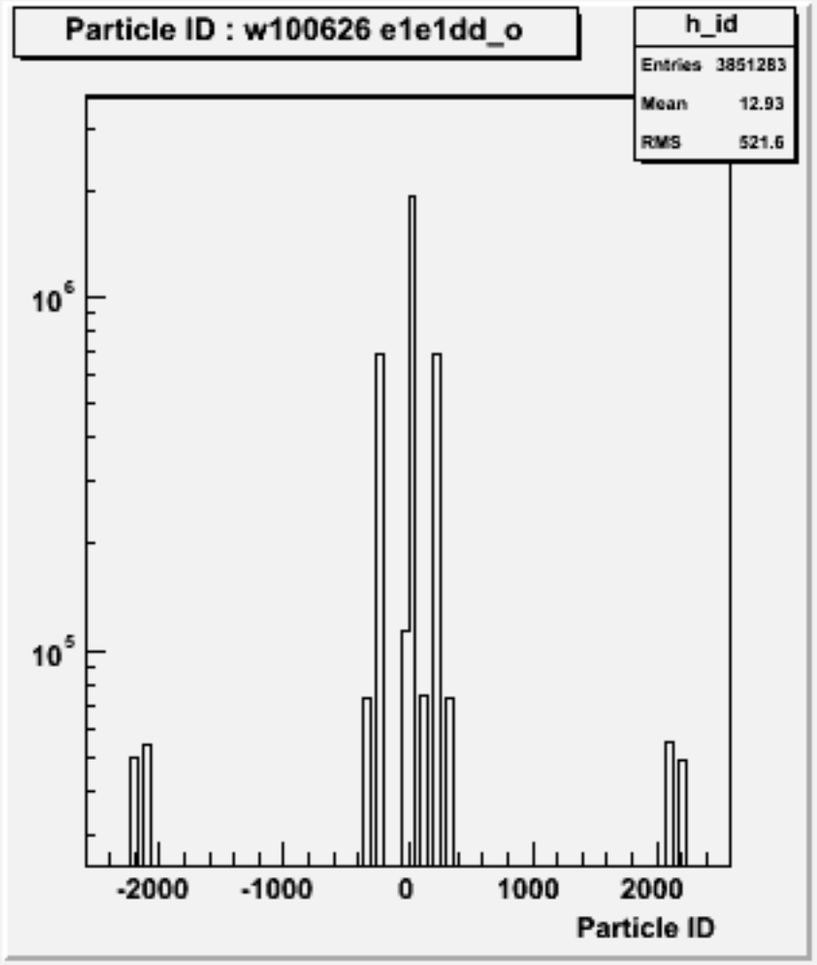

Jet mass for forced 2-jets : w100624 e1e1dd_o
h_j0mj1m
Entries 138884
Mean x 103.3
Mean y 60.9
RMS x 131.1
RMS y 53.58
Mass(jet2)
Mass(jet1)

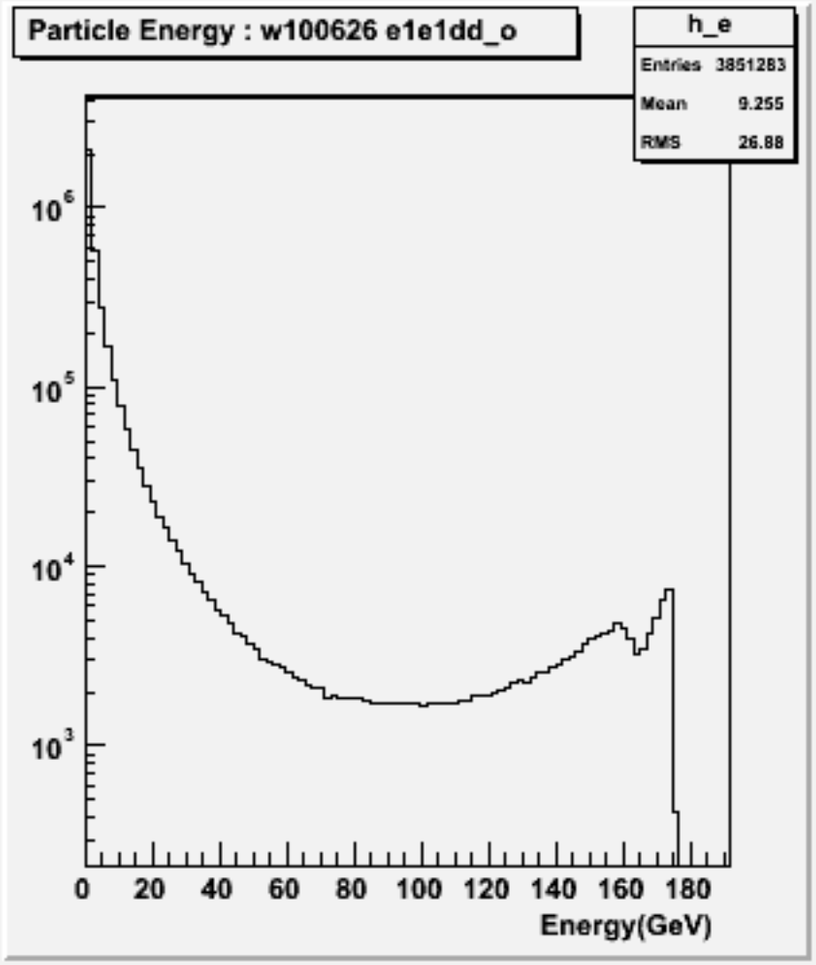

Ycut for 4-jets :w100624 e1e1dd_o
h_yc4j
Entries 121239
Mean 0.01849
RMS 0.04935
ycut for forced 4-jets

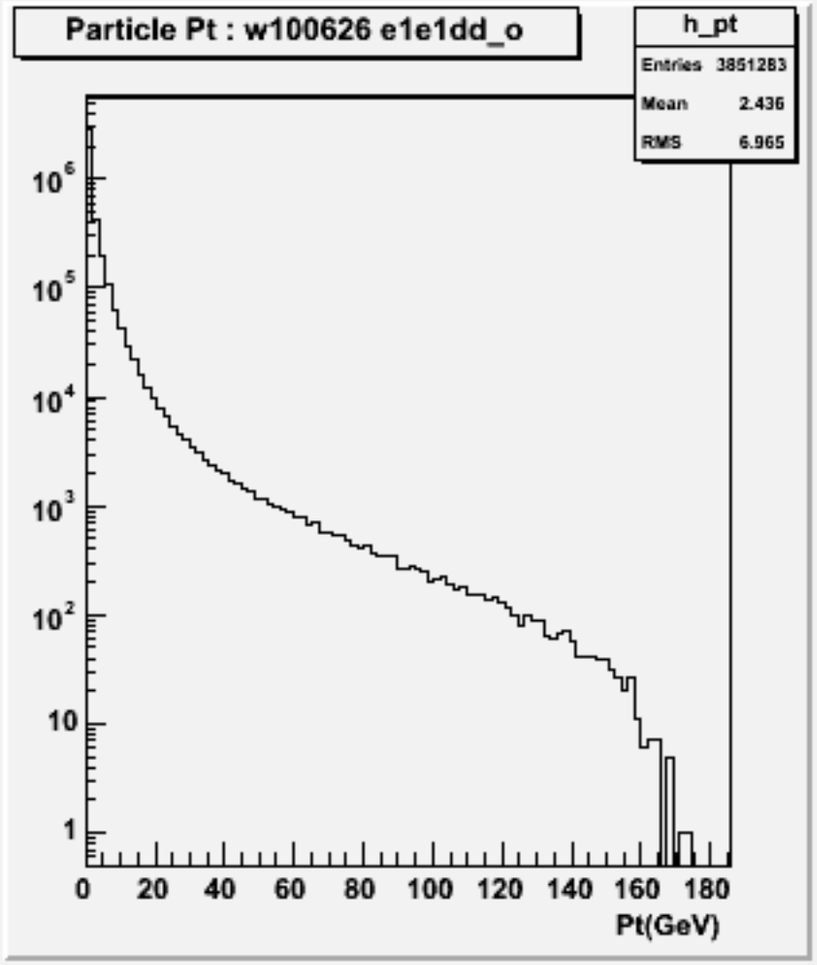

Jet energies(All jets)w100624 e1e1dd_o
ha_j0e
Entries 484956
Mean 85.93
RMS 57.46
E(Jet)

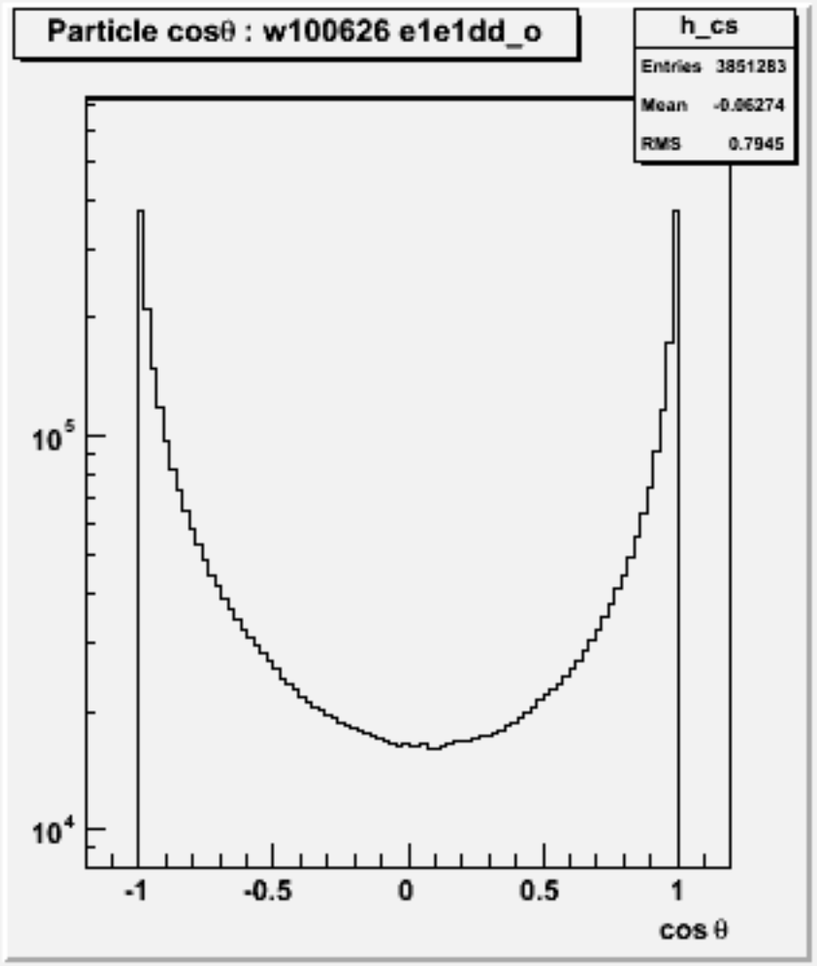

Jet cos θ (All jets)w100624 e1e1dd_o
ha_j0cs
Entries 484956
Mean 0.08879
RMS 0.8249
cos θ

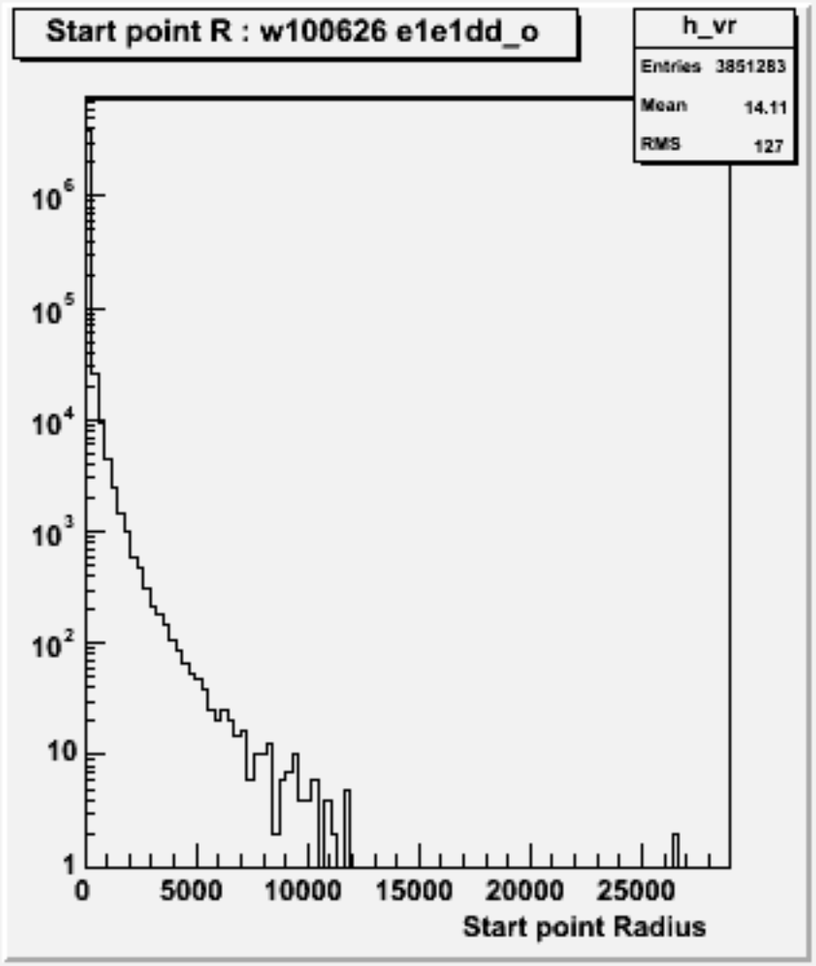

2jets mass(All comb)w100624 e1e1dd_o
ha_m01
Entries 727434
Mean 114.8
RMS 87.36
M(J_iJ_k) (GeV)

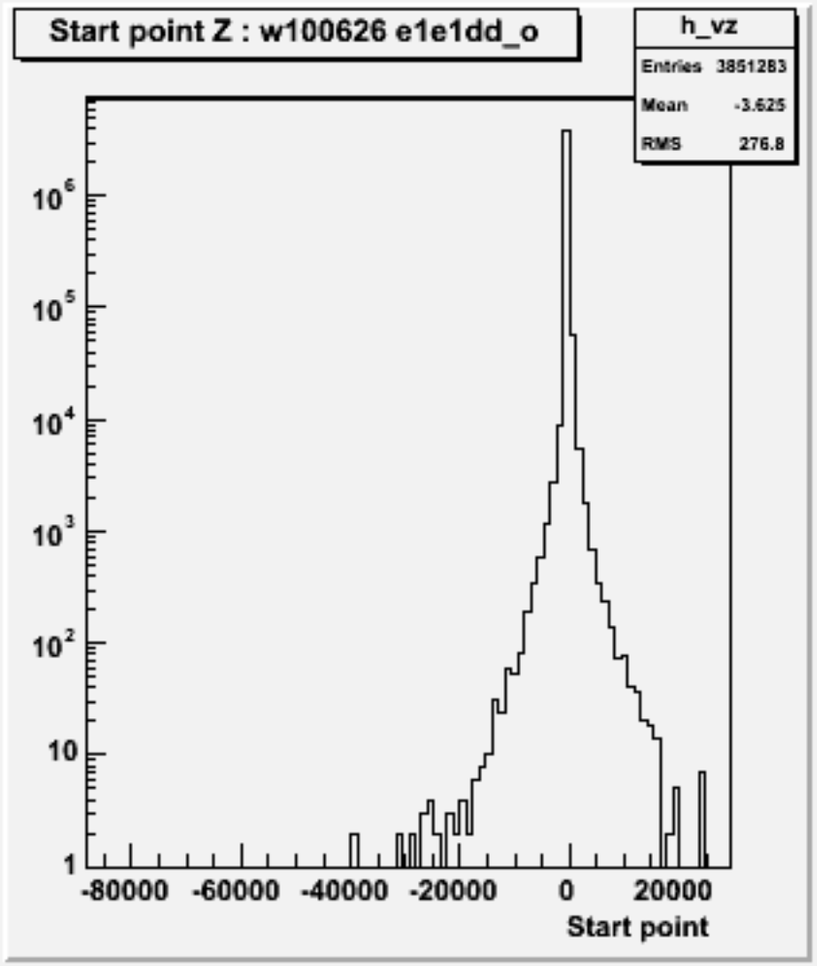

Particle ID : w100626 e1e1dd_o
h_id
Entries 3851283
Mean 12.93
RMS 521.6
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

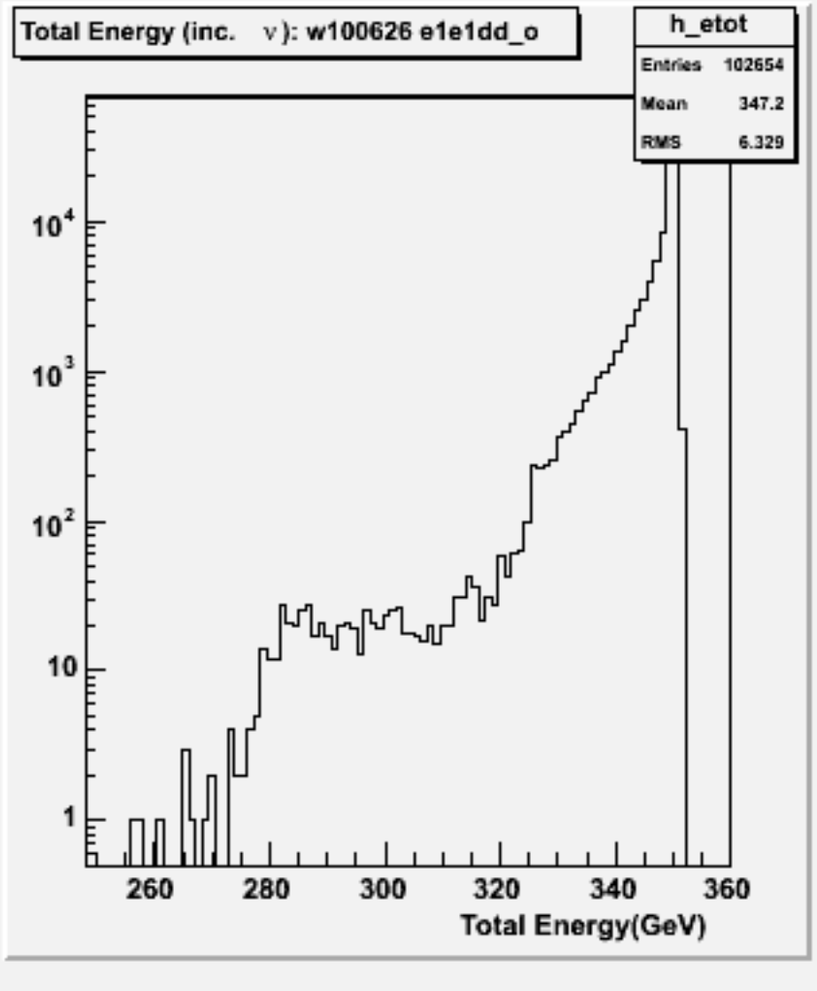

Particle Energy : w100626 e1e1dd_o
h_e
Entries 3851283
Mean 9.255
RMS 26.88
10^6
10^5
10^4
10^3
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

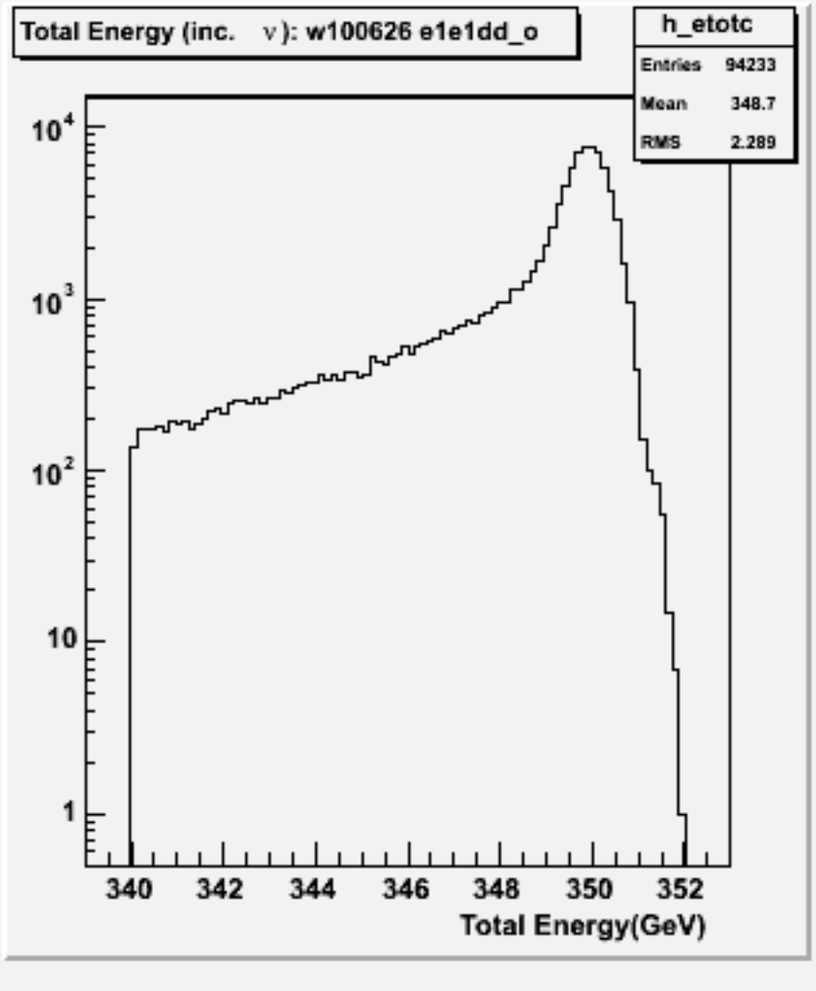

Particle Pt : w100626 e1e1dd_o
h_pt
Entries 3851283
Mean 2.436
RMS 6.965
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

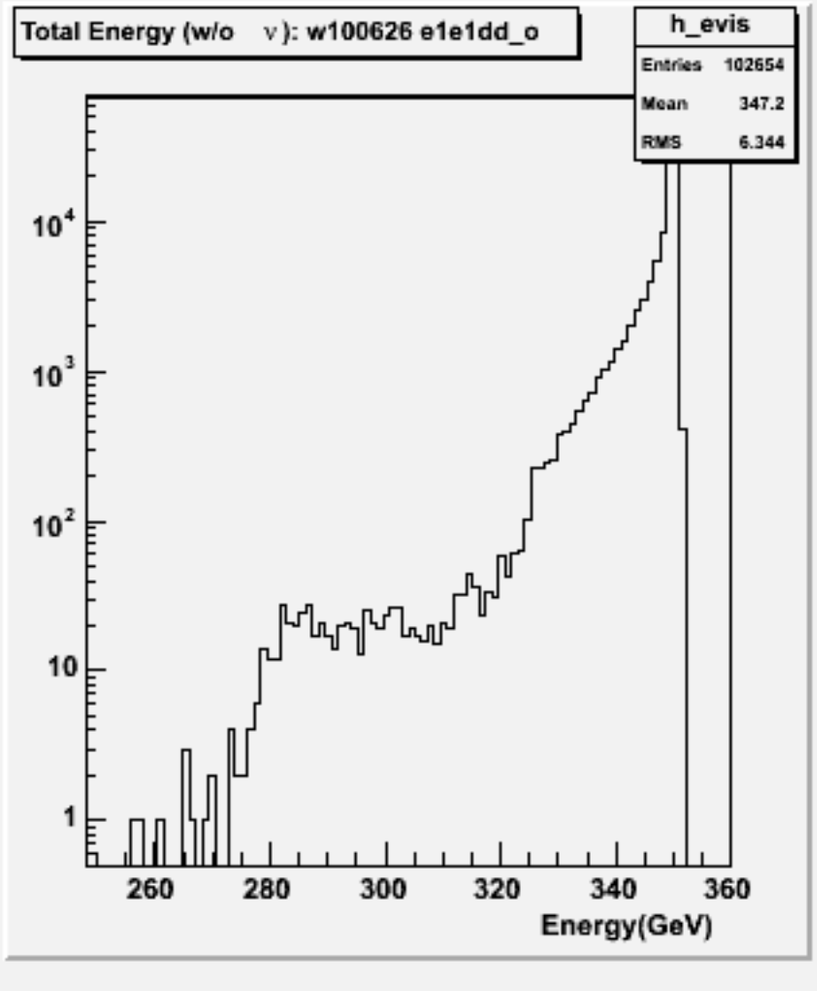

Particle cosθ : w100626 e1e1dd_o
h_cs
Entries 3851283
Mean -0.06274
RMS 0.7945
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

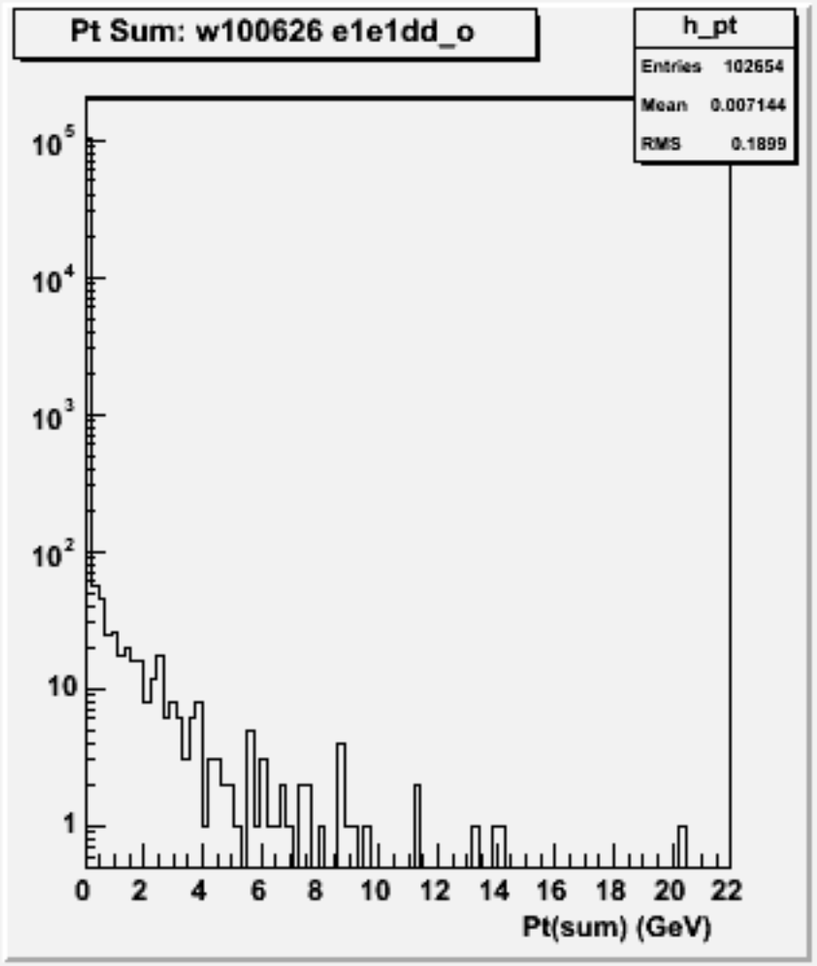

Start point R : w100626 e1e1dd_o
h_vr
Entries 3851283
Mean 14.11
RMS 127
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

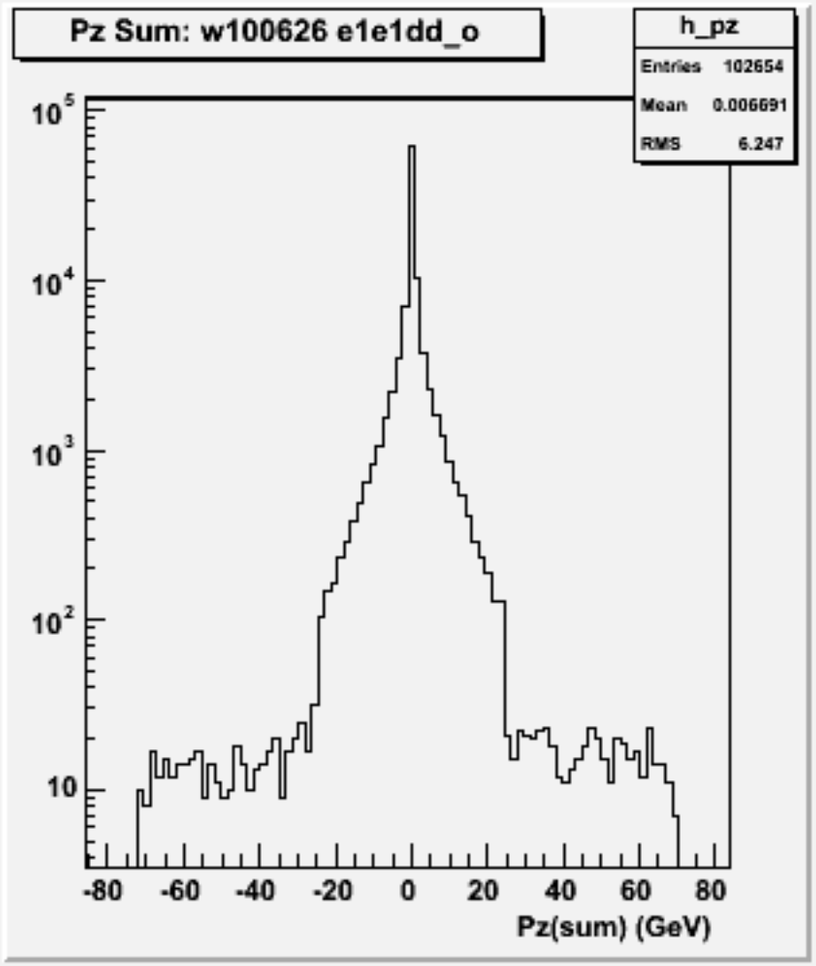

Start point Z : w100626 e1e1dd_o
h_vz
Entries 3851283
Mean -3.625
RMS 276.8
10^6
10^5
10^4
10^3
10^2
10
1
-80000
-60000
-40000
-20000
0
20000
Start point

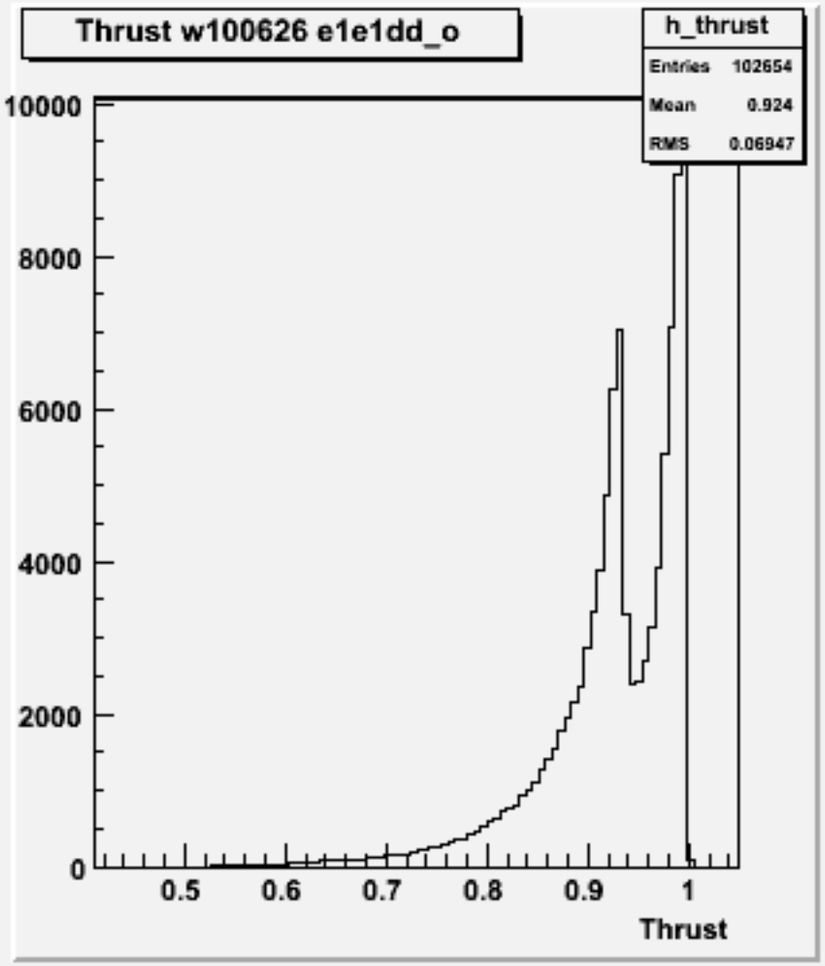

Total Energy (inc. ν): w100626 e1e1dd_o
h_etot
Entries 102654
Mean 347.2
RMS 6.329
Total Energy(GeV)

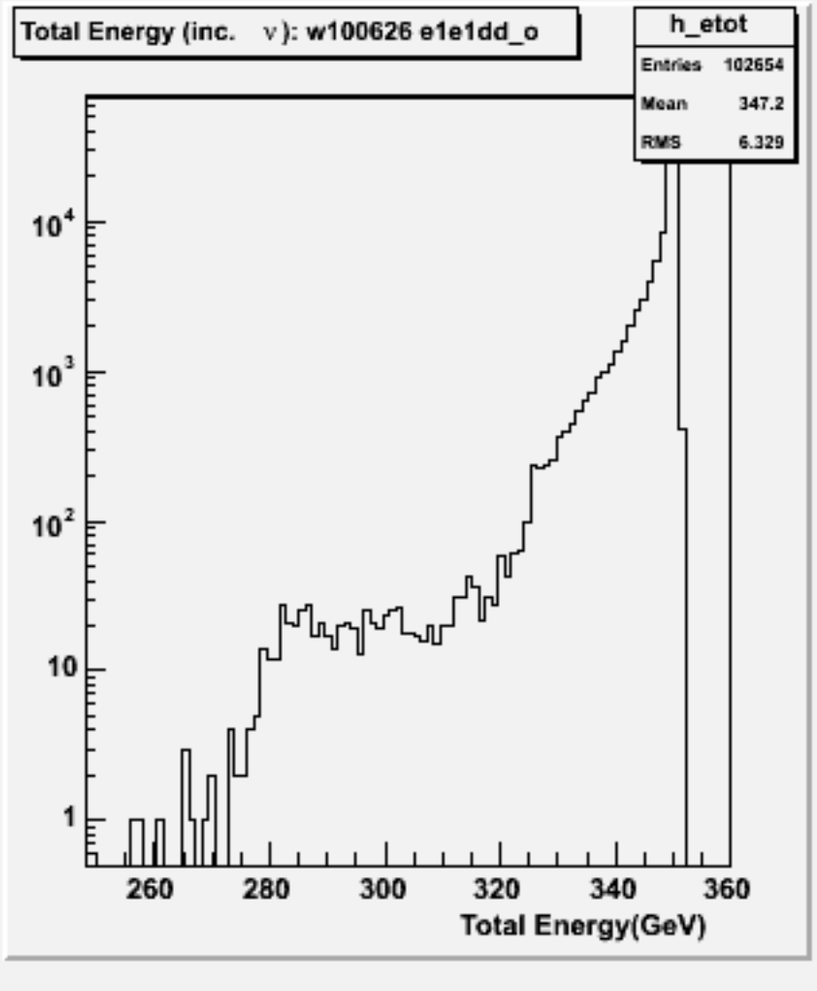

Total Energy (inc. ν): w100626 e1e1dd_o
h_etotc
Entries 94233
Mean 348.7
RMS 2.289
Total Energy(GeV)

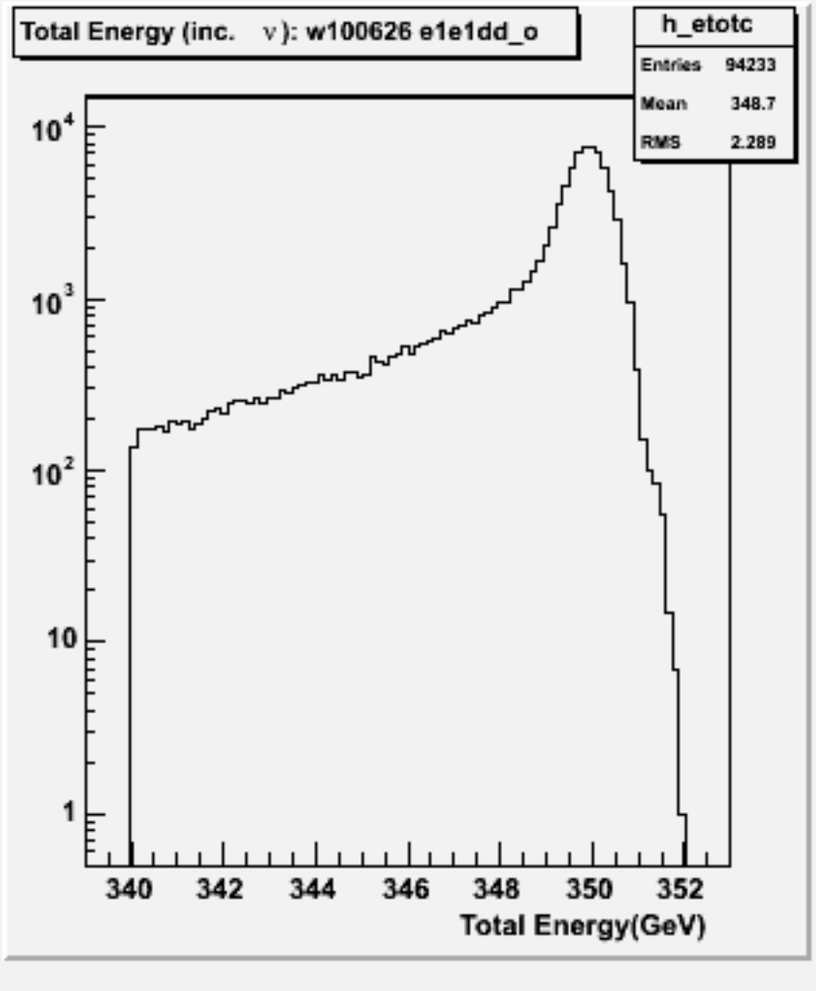

Total Energy (w/o ν): w100626 e1e1dd_o
h_evis
Entries 102654
Mean 347.2
RMS 6.344
Energy(GeV)

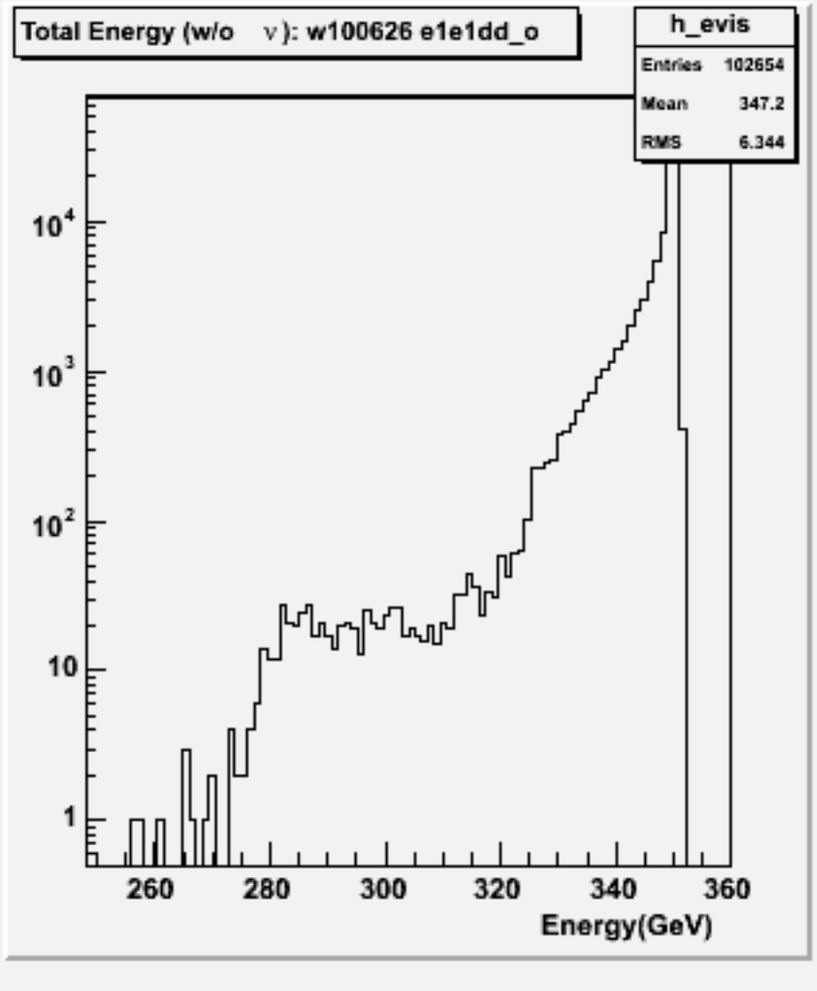

Pt Sum: w100626 e1e1dd_o
h_pt
Entries 102654
Mean 0.007144
RMS 0.1899
Pt(sum) (GeV)

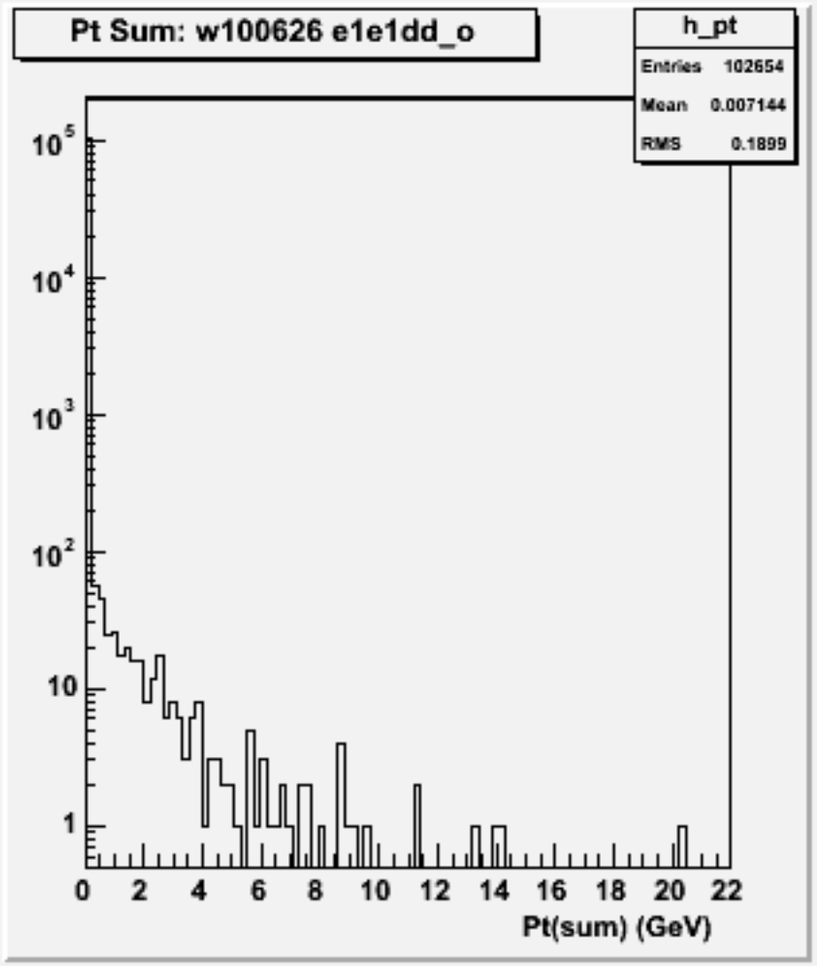

Pz Sum: w100626 e1e1dd_o
h_pz
Entries 102654
Mean 0.006691
RMS 6.247
Pz(sum) (GeV)

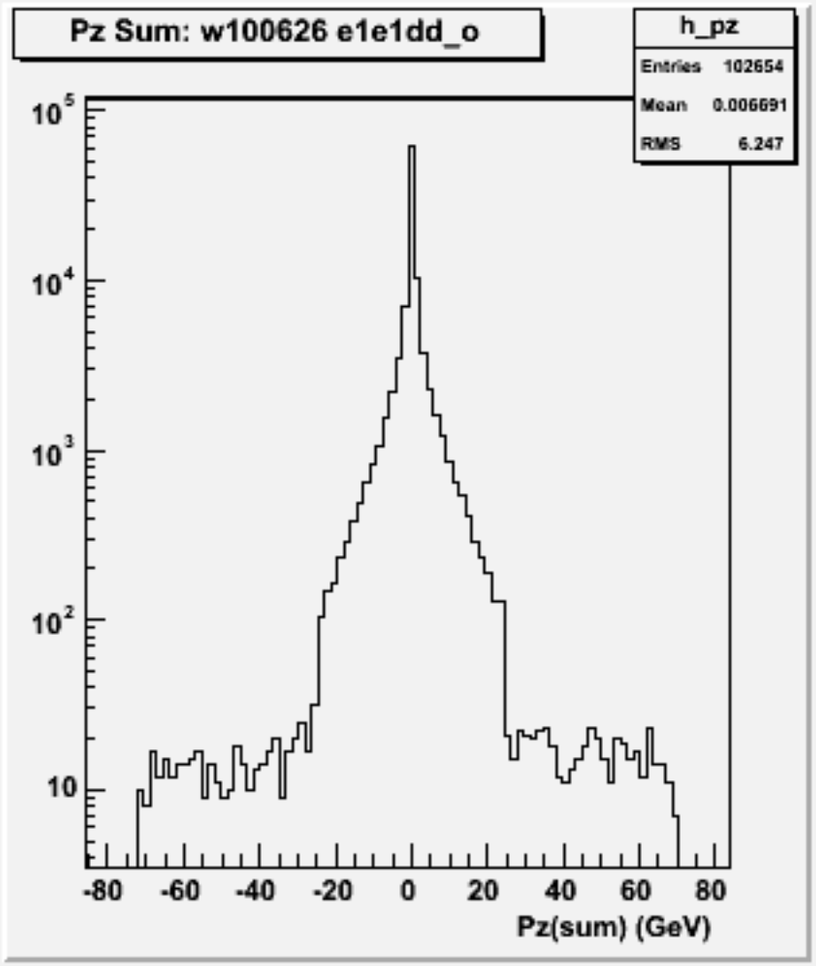

Thrust w100626 e1e1dd_o
h_thrust
Entries 102654
Mean 0.924
RMS 0.06947
Thrust

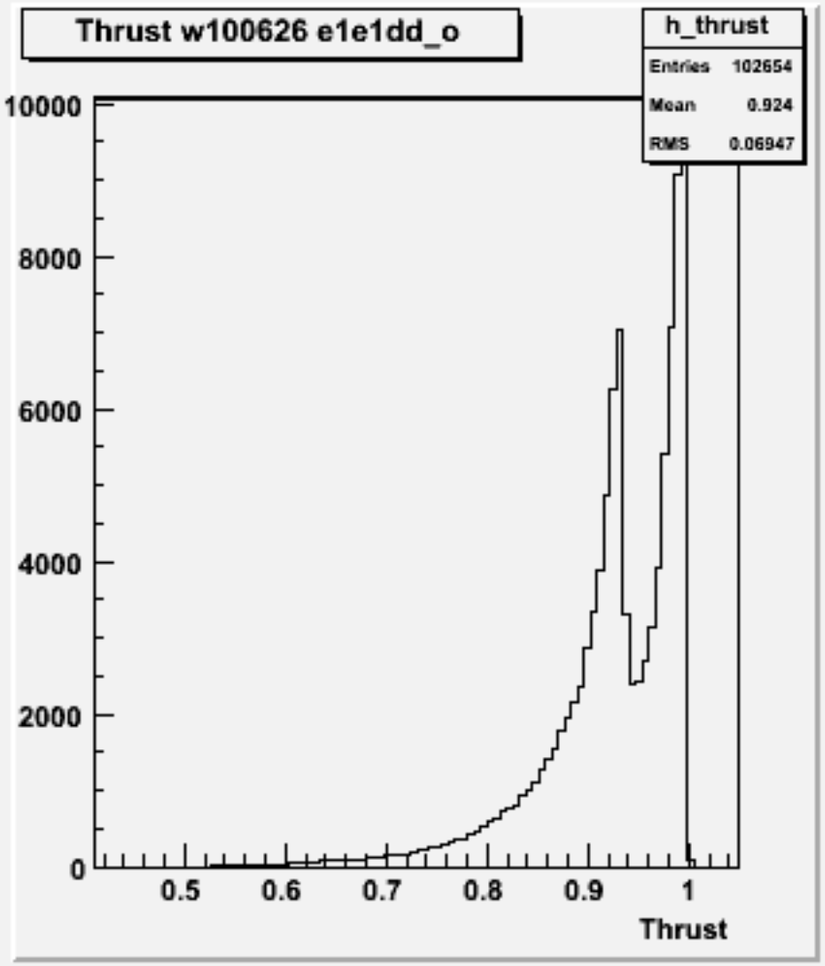

Total Energy (inc. ν): w100626 e1e1dd_o
h_etot
Entries 102654
Mean 347.2
RMS 6.329
Total Energy(GeV)

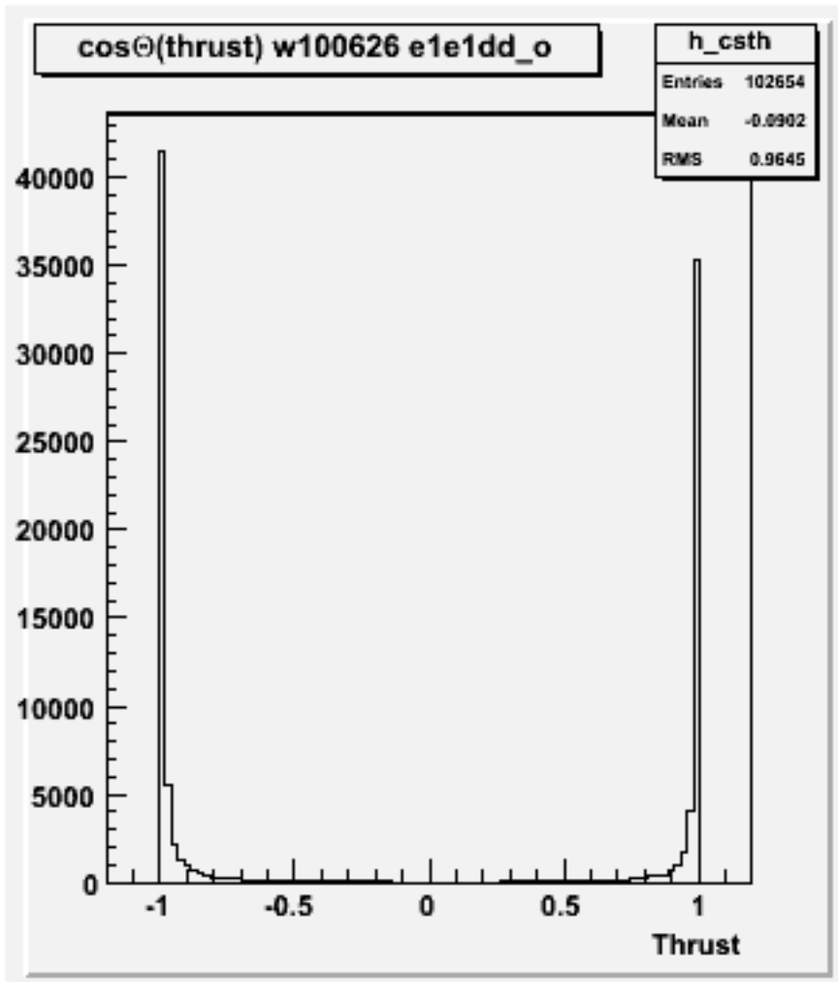

Total Energy (inc. ν): w100626 e1e1dd_o
h_etotc
Entries 94233
Mean 348.7
RMS 2.289
Total Energy(GeV)

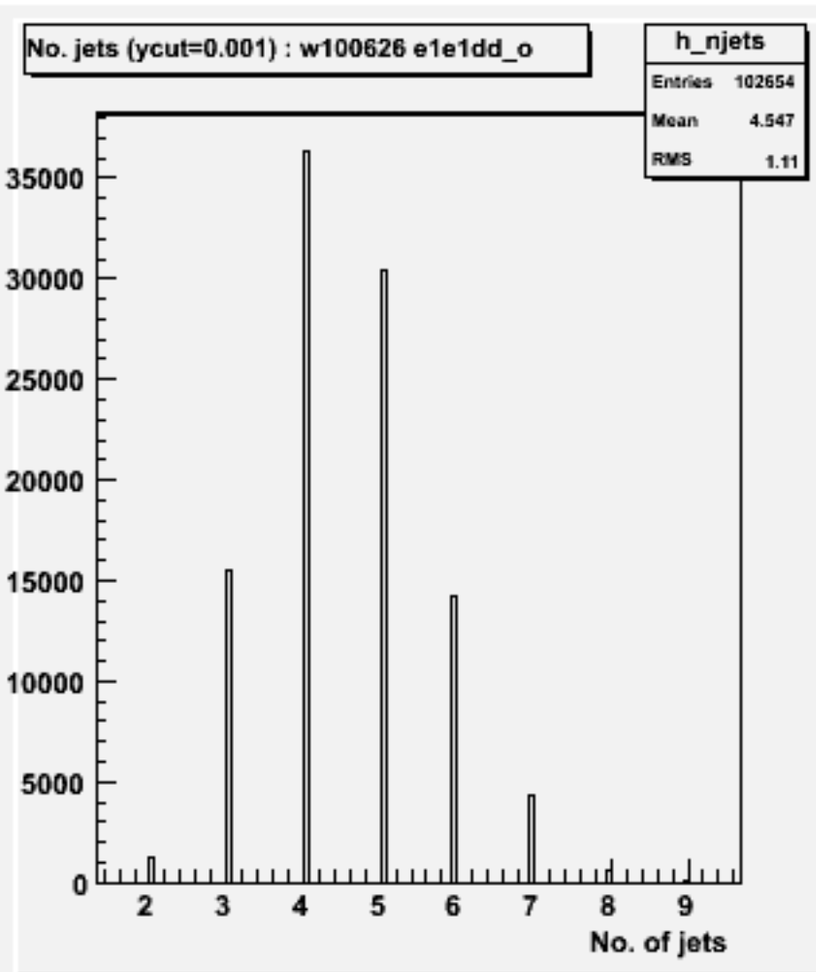

Total Energy (w/o ν): w100626 e1e1dd_o
h_evis
Entries 102654
Mean 347.2
RMS 6.344
Energy(GeV)

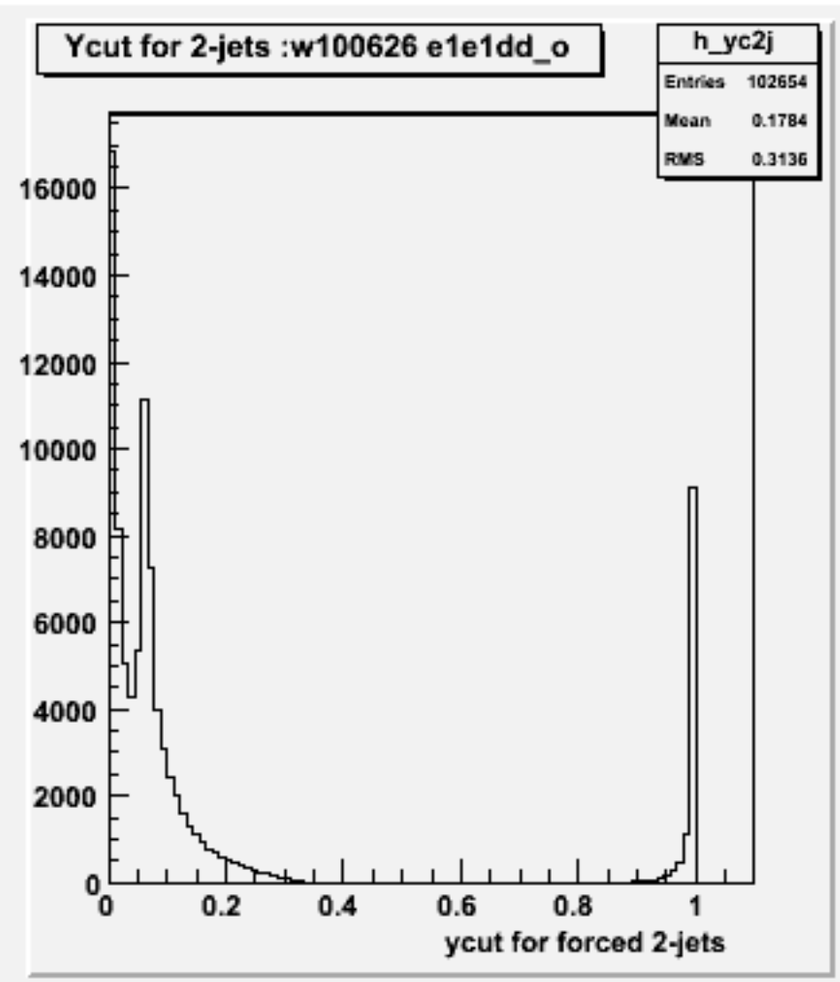

Pt Sum: w100626 e1e1dd_o
h_pt
Entries 102654
Mean 0.007144
RMS 0.1899
Pt(sum) (GeV)

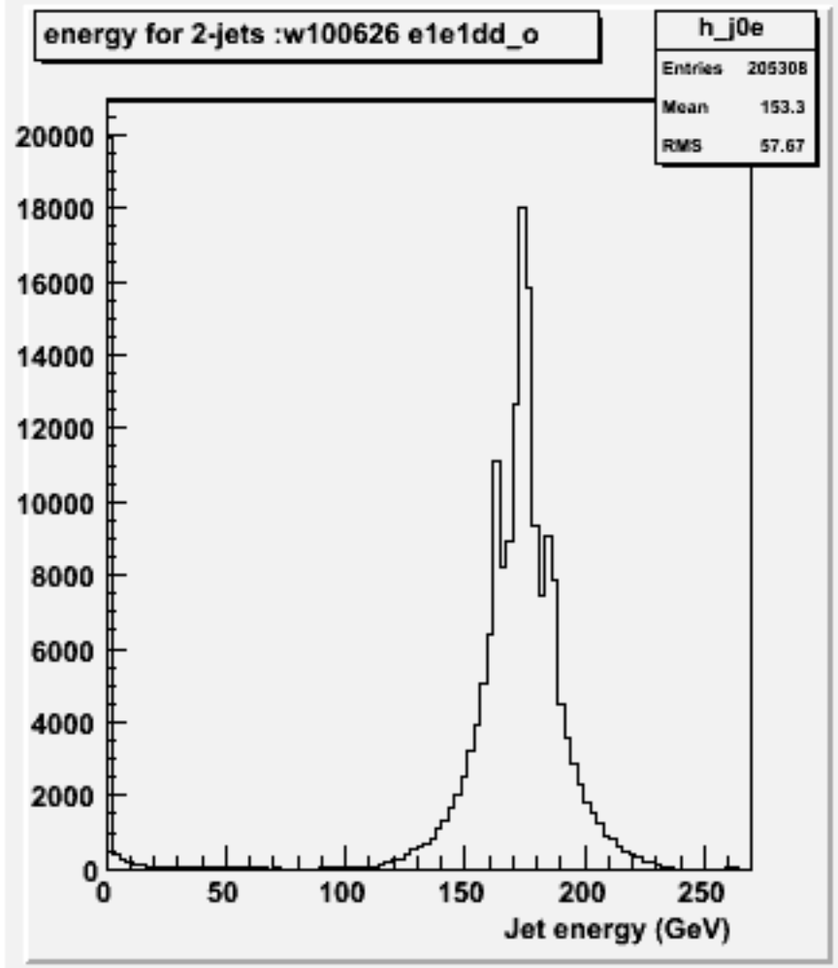

Pz Sum: w100626 e1e1dd_o
h_pz
Entries 102654
Mean 0.006691
RMS 6.247
Pz(sum) (GeV)

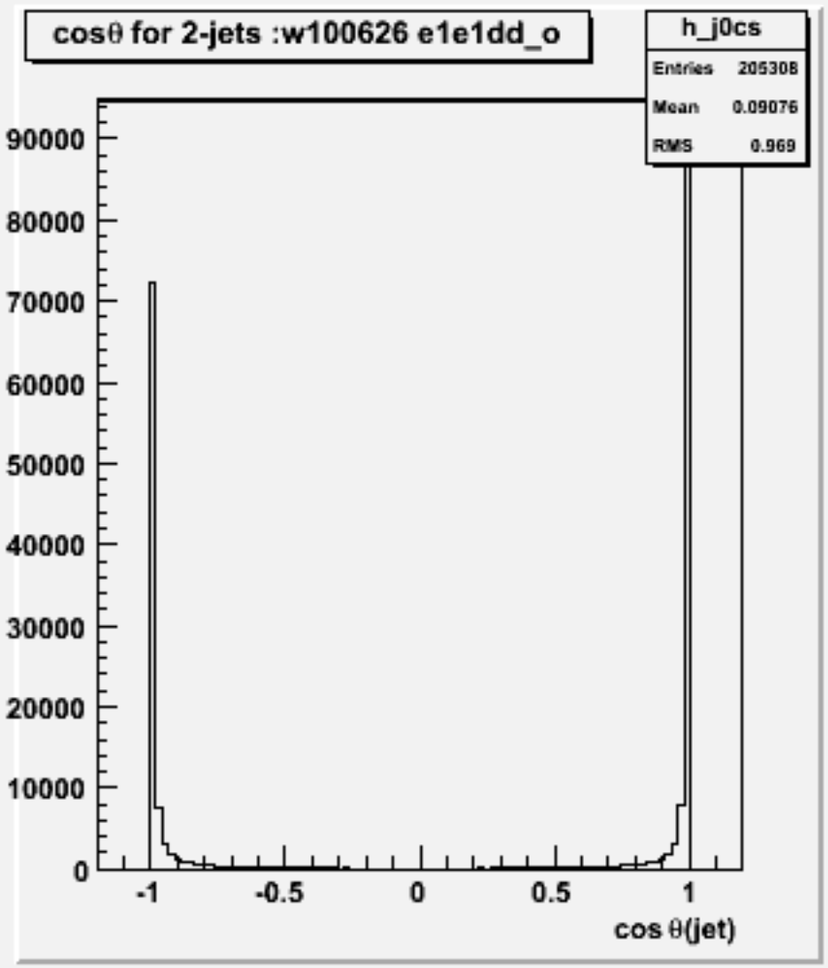

Thrust w100626 e1e1dd_o
h_thrust
Entries 102654
Mean 0.924
RMS 0.06947
Thrust

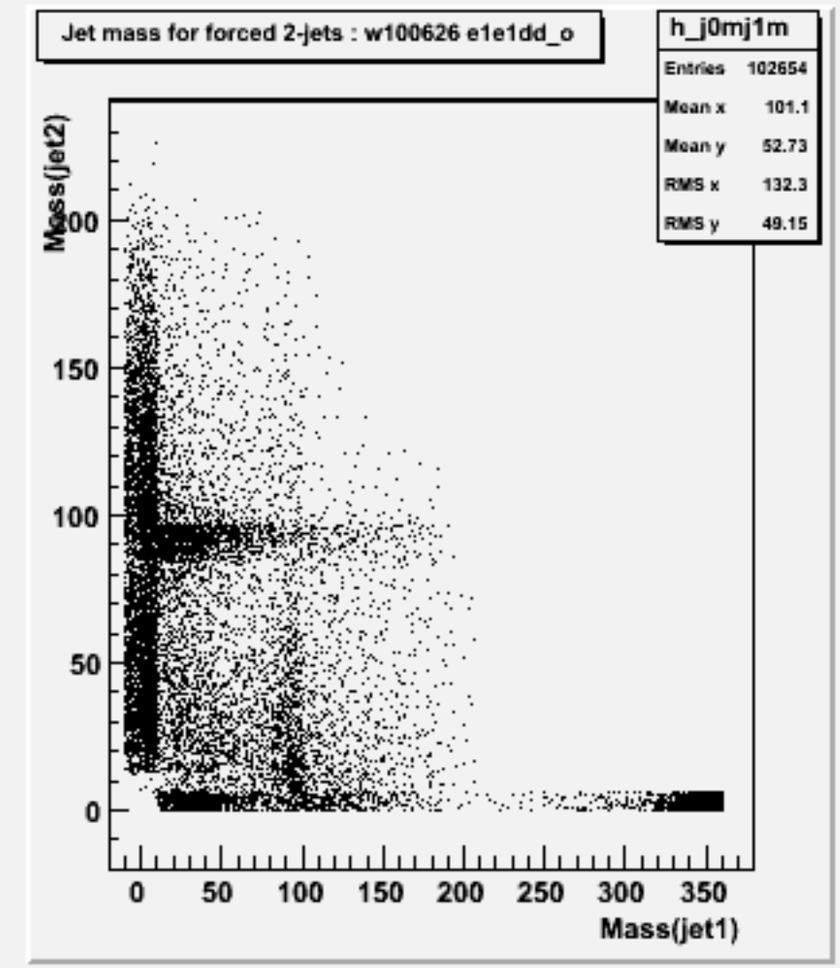

cosΘ(thrust) w100626 e1e1dd_o
h_csth
Entries 102654
Mean -0.0902
RMS 0.9645
Thrust

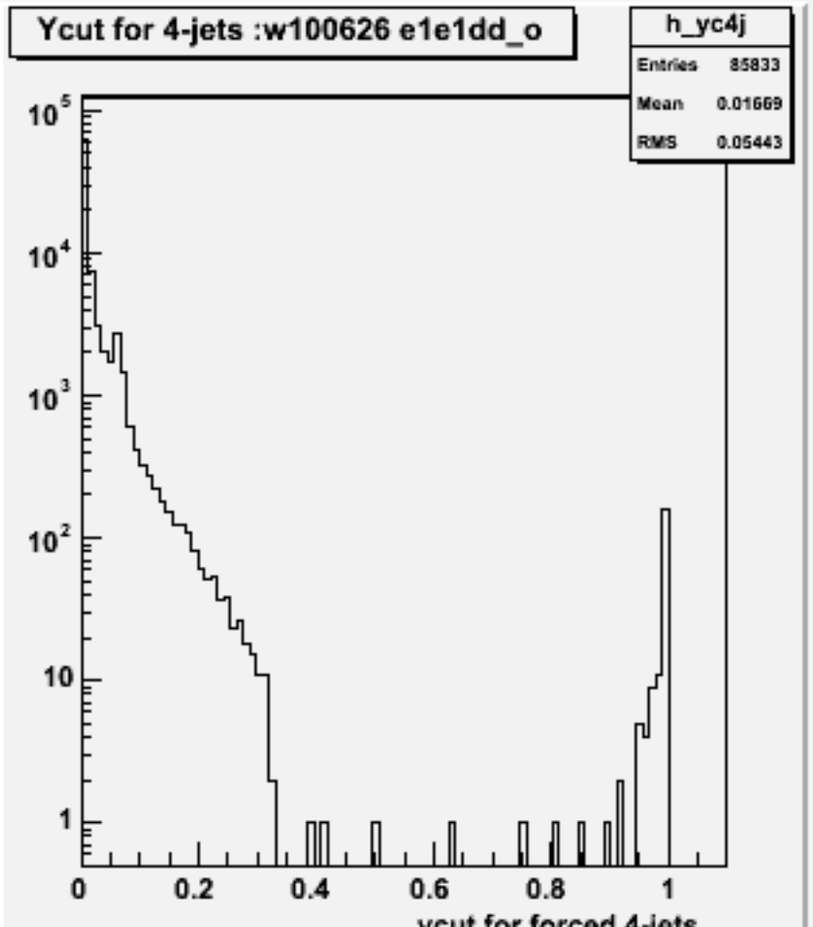

No. jets (ycut=0.001) : w100626 e1e1dd_o
h_njets
Entries 102654
Mean 4.547
RMS 1.11
No. of jets

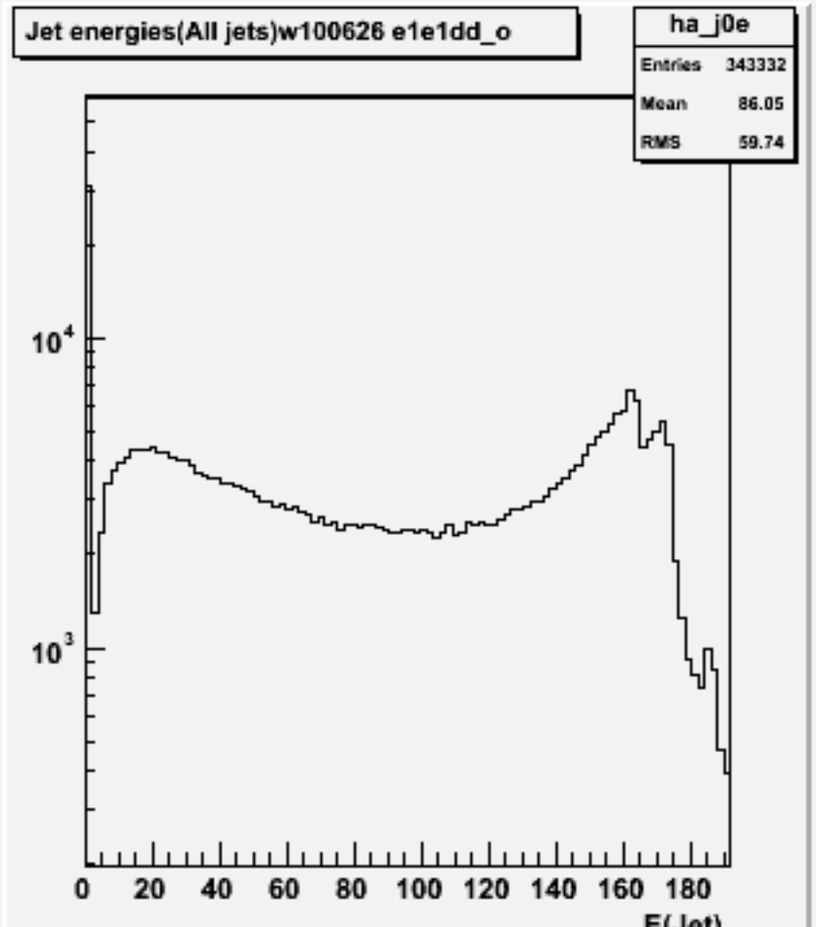

Ycut for 2-jets :w100626 e1e1dd_o
h_yc2j
Entries 102654
Mean 0.1784
RMS 0.3136
ycut for forced 2-jets

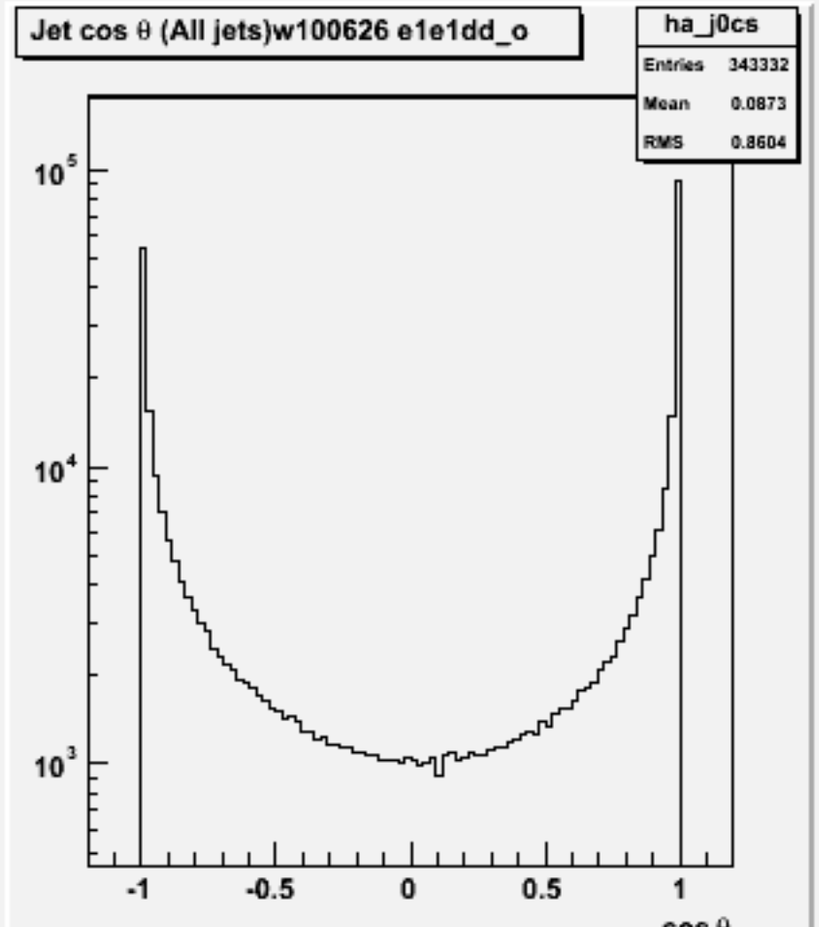

energy for 2-jets :w100626 e1e1dd_o
h_j0e
Entries 205308
Mean 153.3
RMS 57.67
Jet energy (GeV)

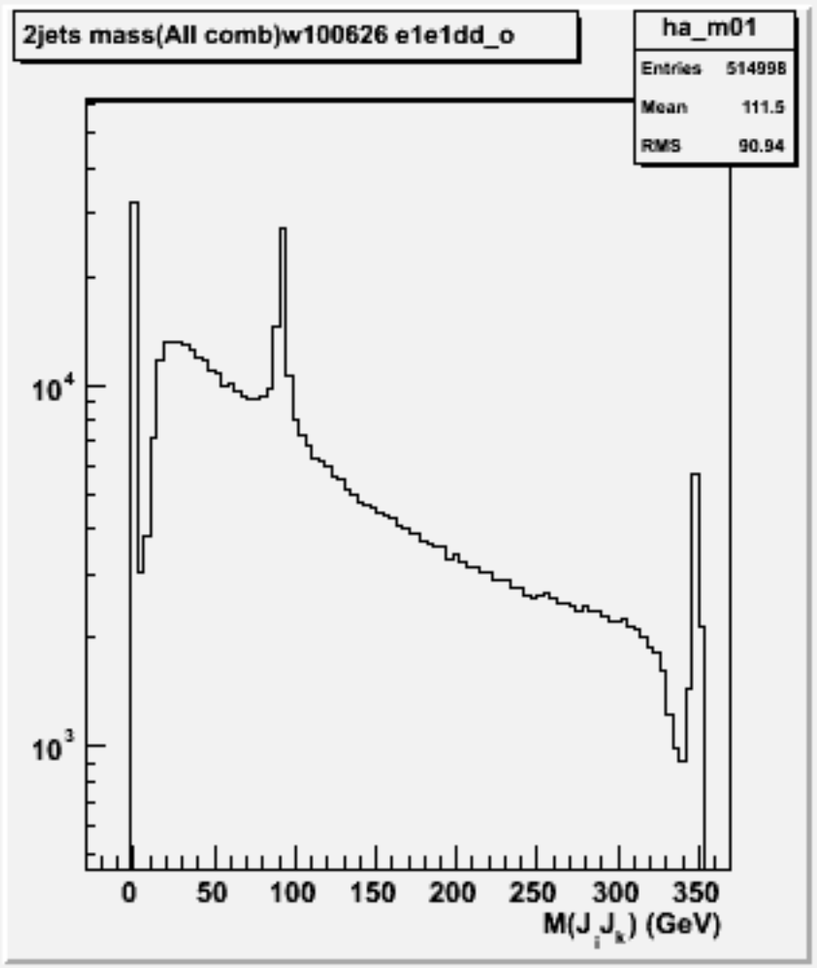

cosθ for 2-jets :w100626 e1e1dd_o
h_j0cs
Entries 205308
Mean 0.09076
RMS 0.969
cos θ(jet)

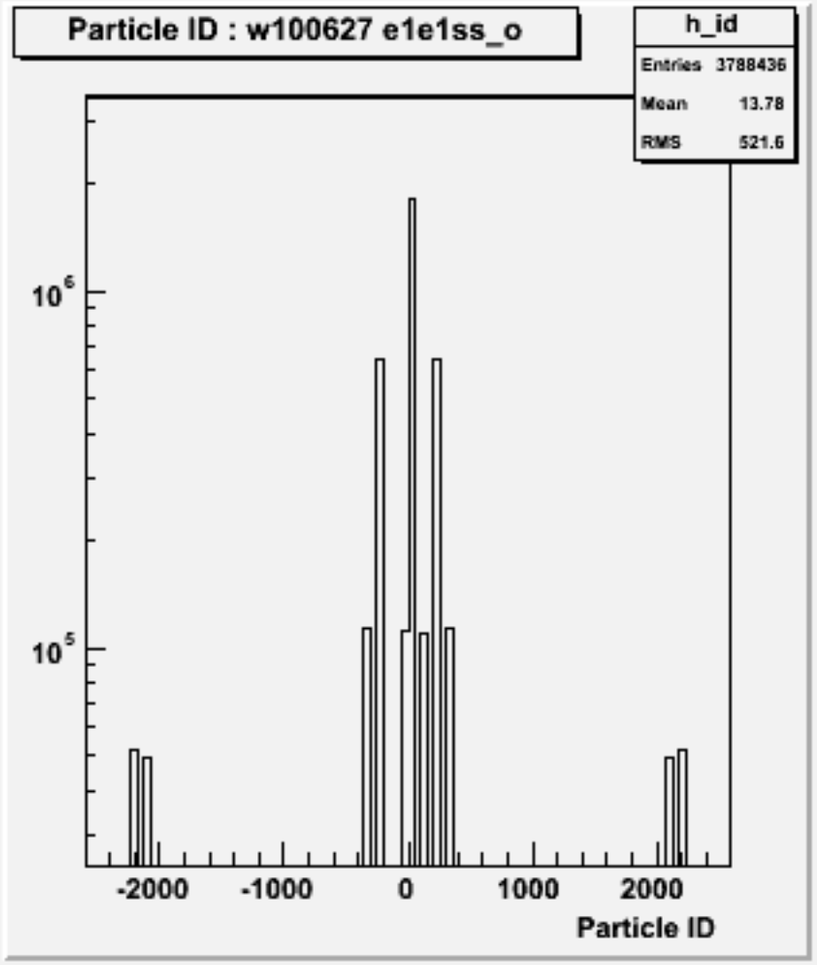

Jet mass for forced 2-jets : w100626 e1e1dd_o
h_j0mj1m
Entries 102654
Mean x 101.1
Mean y 52.73
RMS x 132.3
RMS y 49.15
Mass(jet2)
Mass(jet1)

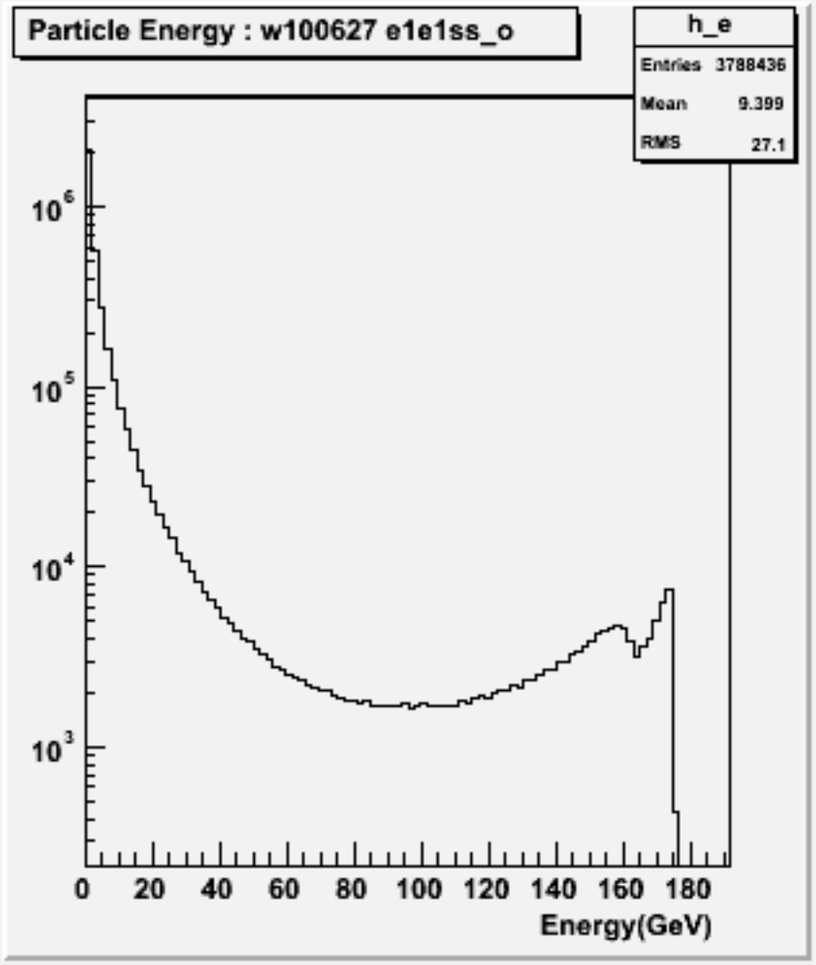

Ycut for 4-jets :w100626 e1e1dd_o
h_yc4j
Entries 85833
Mean 0.01669
RMS 0.05443
ycut for forced 4-jets

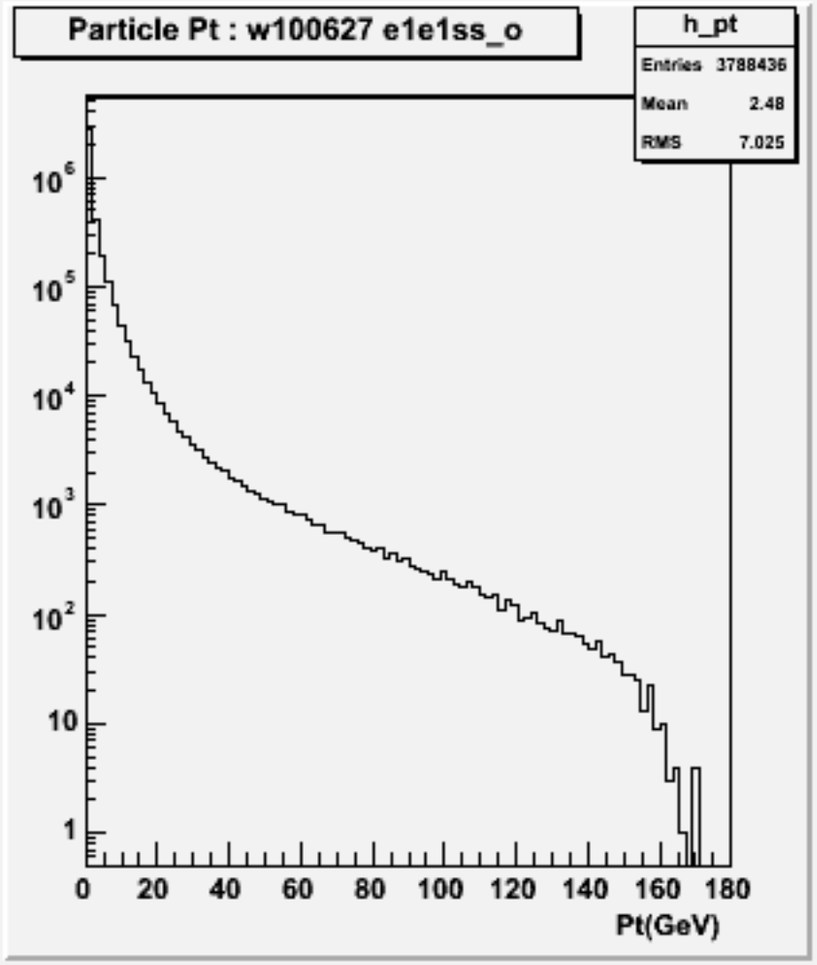

Jet energies(All jets)w100626 e1e1dd_o
ha_j0e
Entries 343332
Mean 86.05
RMS 59.74
E(Jet)

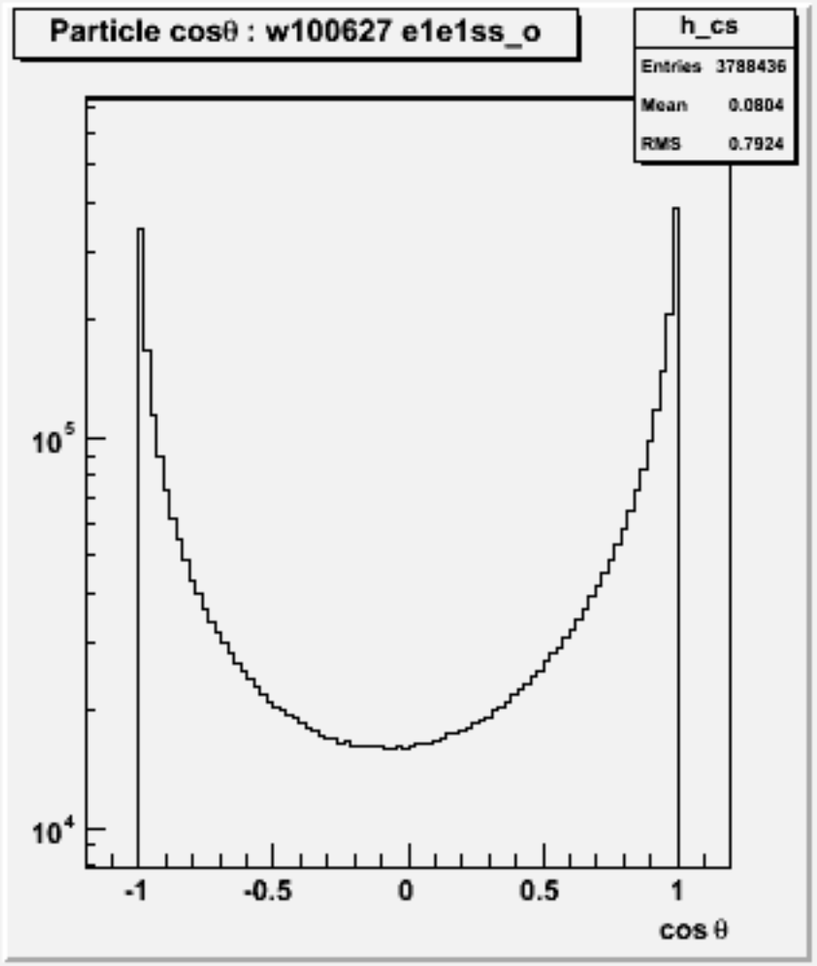

Jet cos θ (All jets)w100626 e1e1dd_o
ha_j0cs
Entries 343332
Mean 0.0873
RMS 0.8604
cos θ

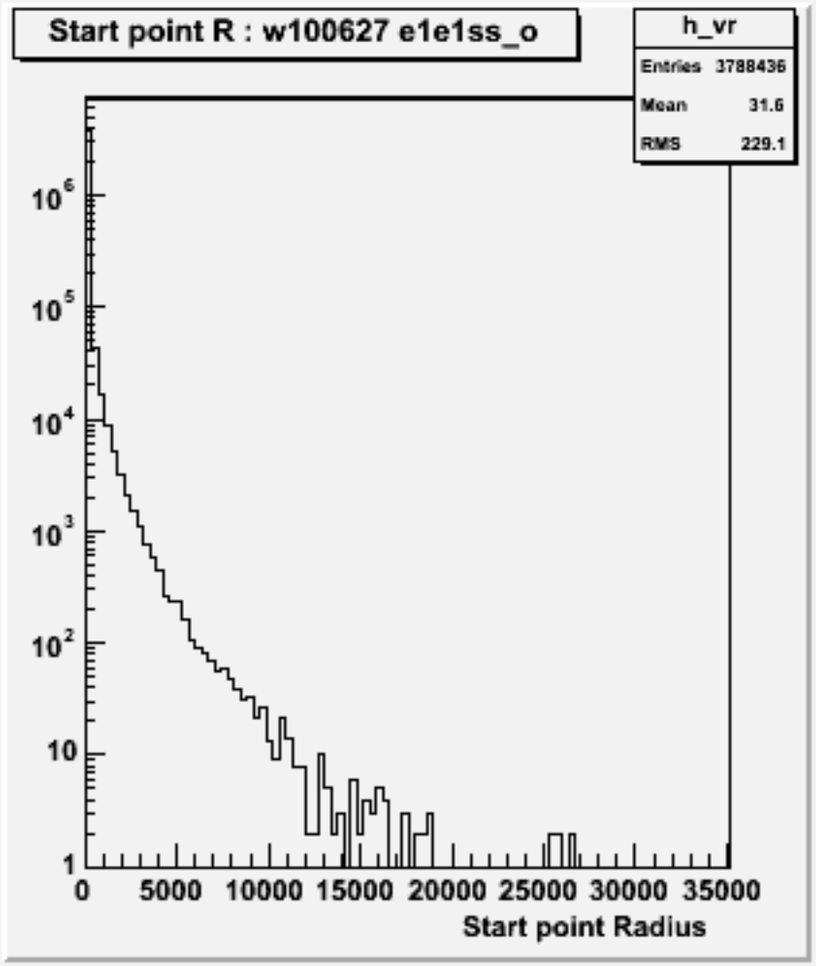

2jets mass(All comb)w100626 e1e1dd_o
ha_m01
Entries 514998
Mean 111.5
RMS 90.94
M(J_iJ_k) (GeV)

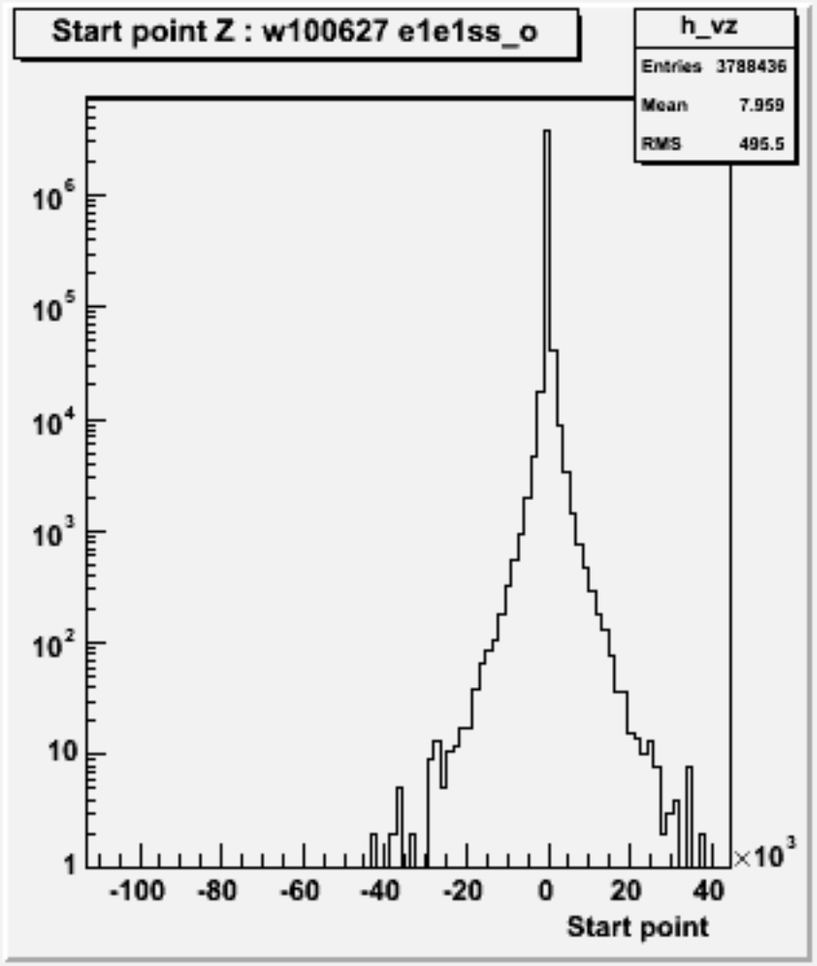

Particle ID : w100627 e1e1ss_o
h_id
Entries 3788436
Mean 13.78
RMS 521.6
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

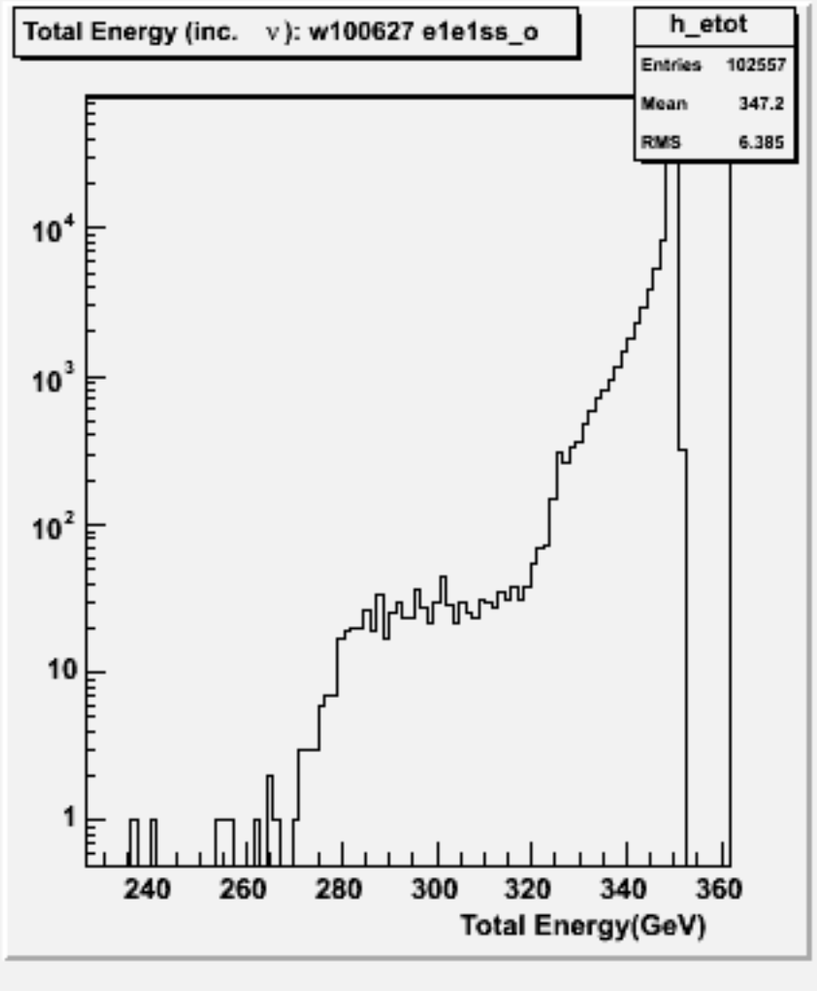

Particle Energy : w100627 e1e1ss_o
h_e
Entries 3788436
Mean 9.399
RMS 27.1
10^6
10^5
10^4
10^3
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

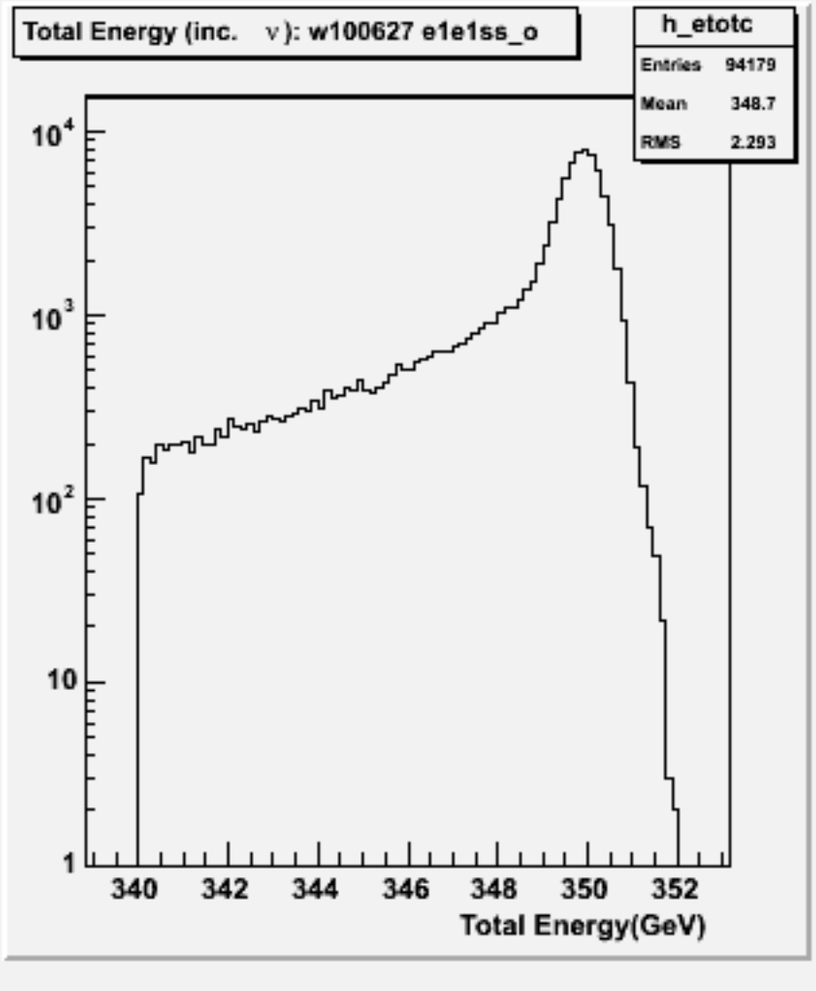

Particle Pt : w100627 e1e1ss_o
h_pt
Entries 3788436
Mean 2.48
RMS 7.025
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

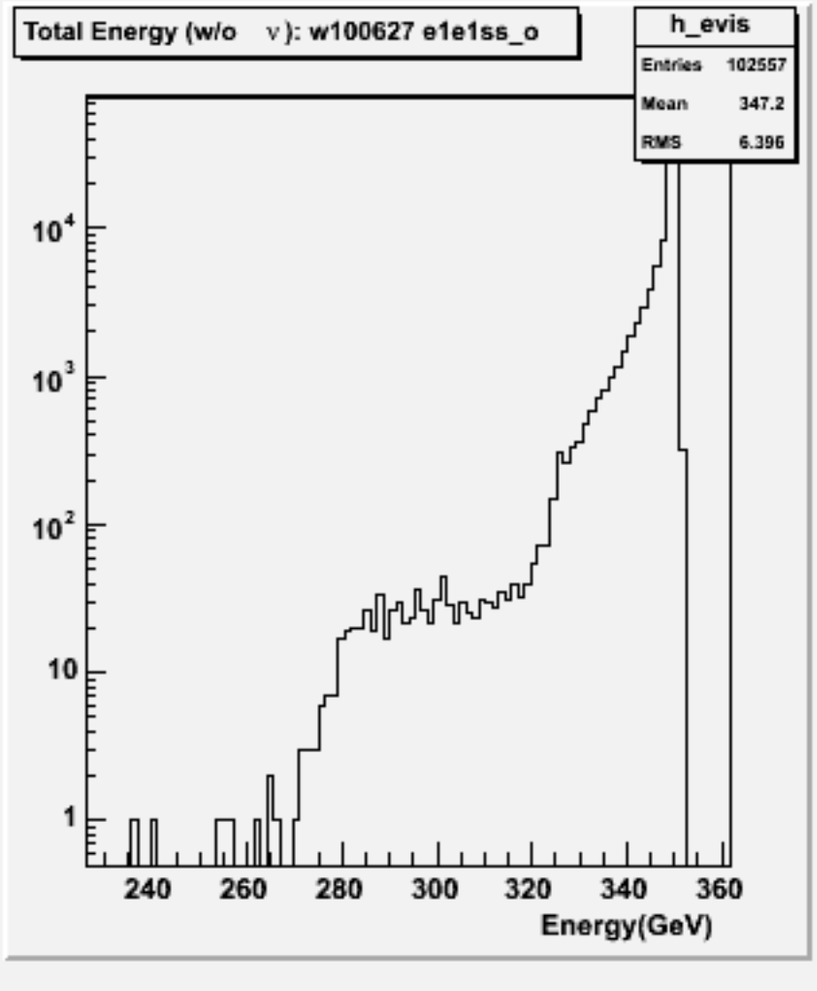

Particle cosθ : w100627 e1e1ss_o
h_cs
Entries 3788436
Mean 0.0804
RMS 0.7924
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

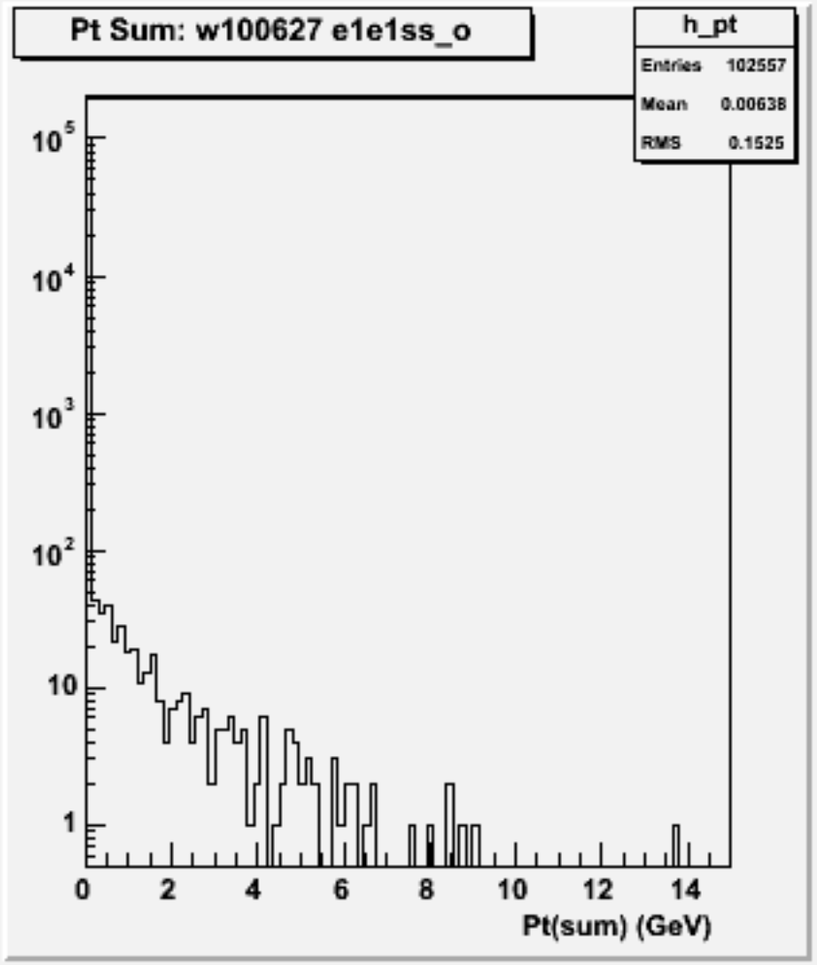

Start point R : w100627 e1e1ss_o
h_vr
Entries 3788436
Mean 31.6
RMS 229.1
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
Start point Radius

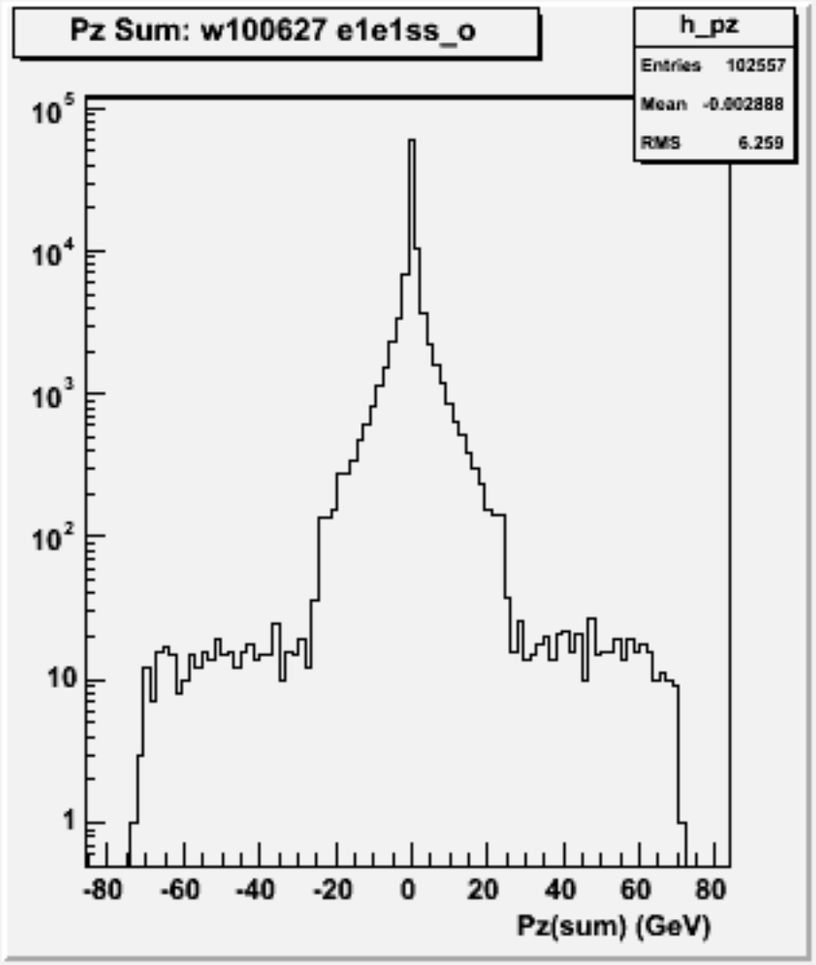

Start point Z : w100627 e1e1ss_o
h_vz
Entries 3788436
Mean 7.959
RMS 495.5
10^6
10^5
10^4
10^3
10^2
10
1
-100
-80
-60
-40
-20
0
20
40
$\times 10^3$
Start point

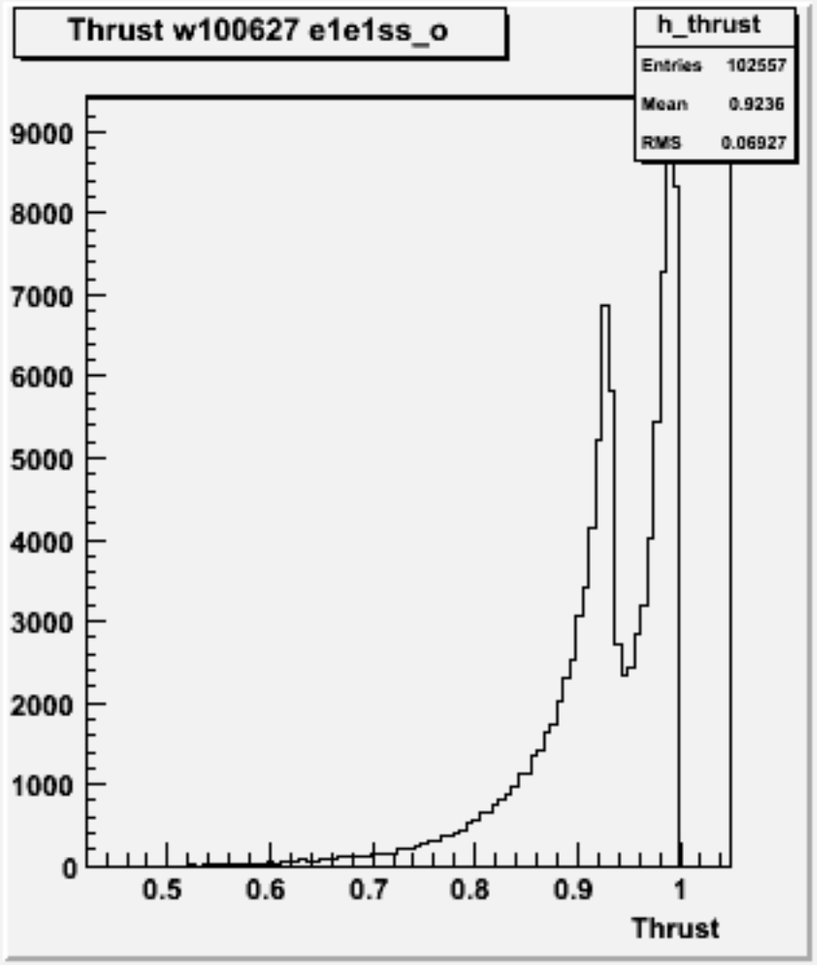

Total Energy (inc. ν): w100627 e1e1ss_o
h_etot
Entries 102557
Mean 347.2
RMS 6.385
Total Energy(GeV)

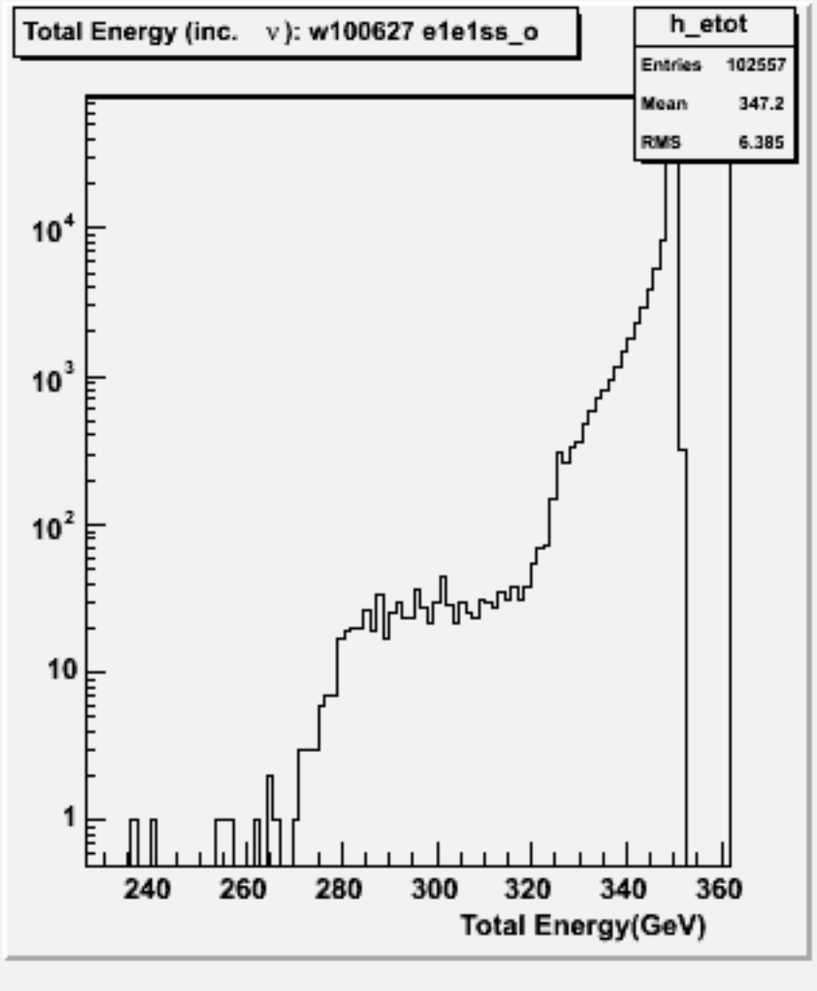

Total Energy (inc. ν): w100627 e1e1ss_o
h_etotc
Entries 94179
Mean 348.7
RMS 2.293
Total Energy(GeV)

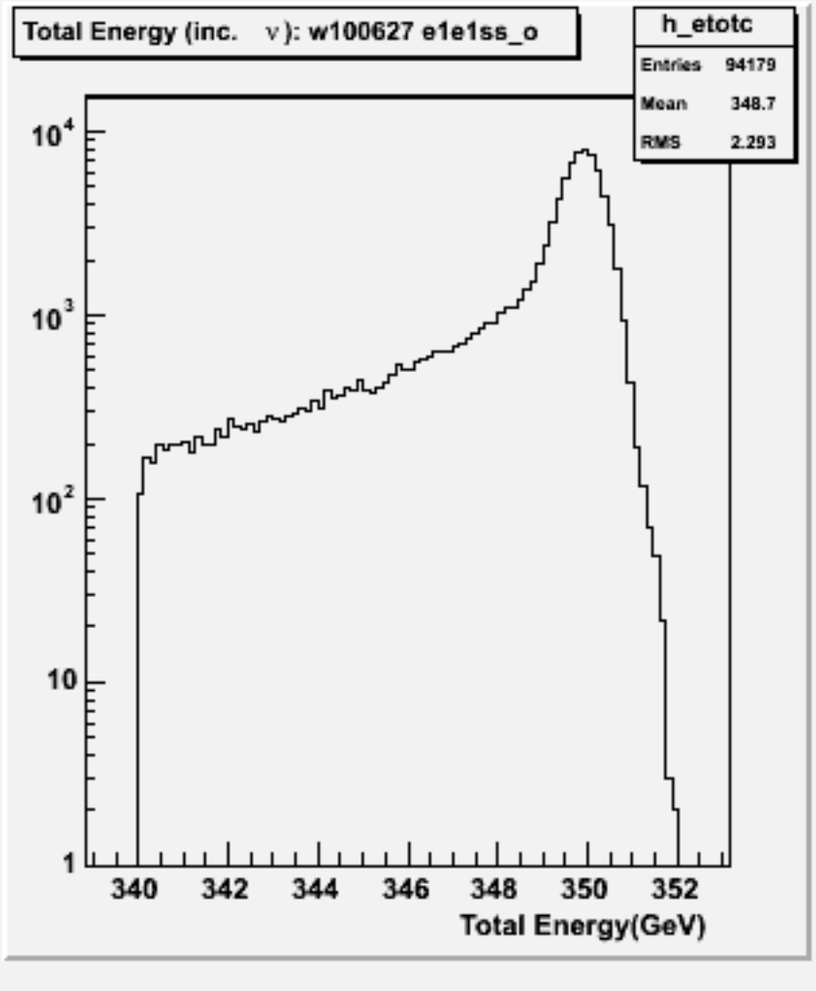

Total Energy (w/o ν): w100627 e1e1ss_o
h_evis
Entries 102557
Mean 347.2
RMS 6.396
Energy(GeV)

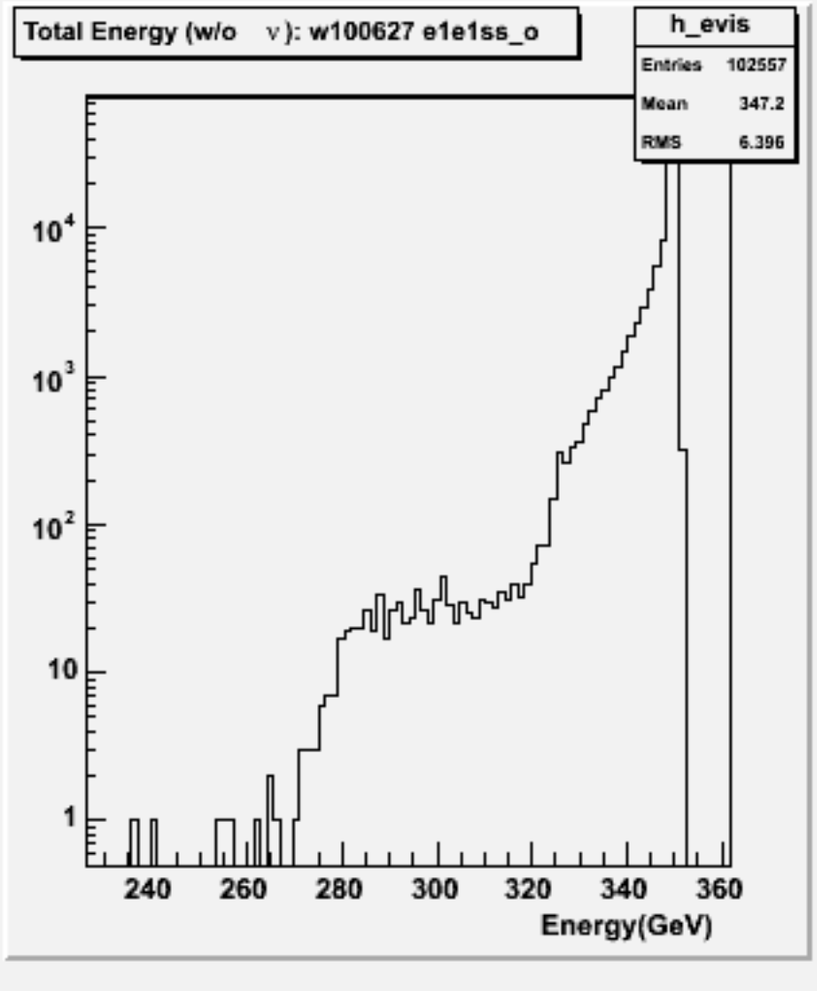

Pt Sum: w100627 e1e1ss_o
h_pt
Entries 102557
Mean 0.00638
RMS 0.1525
Pt(sum) (GeV)

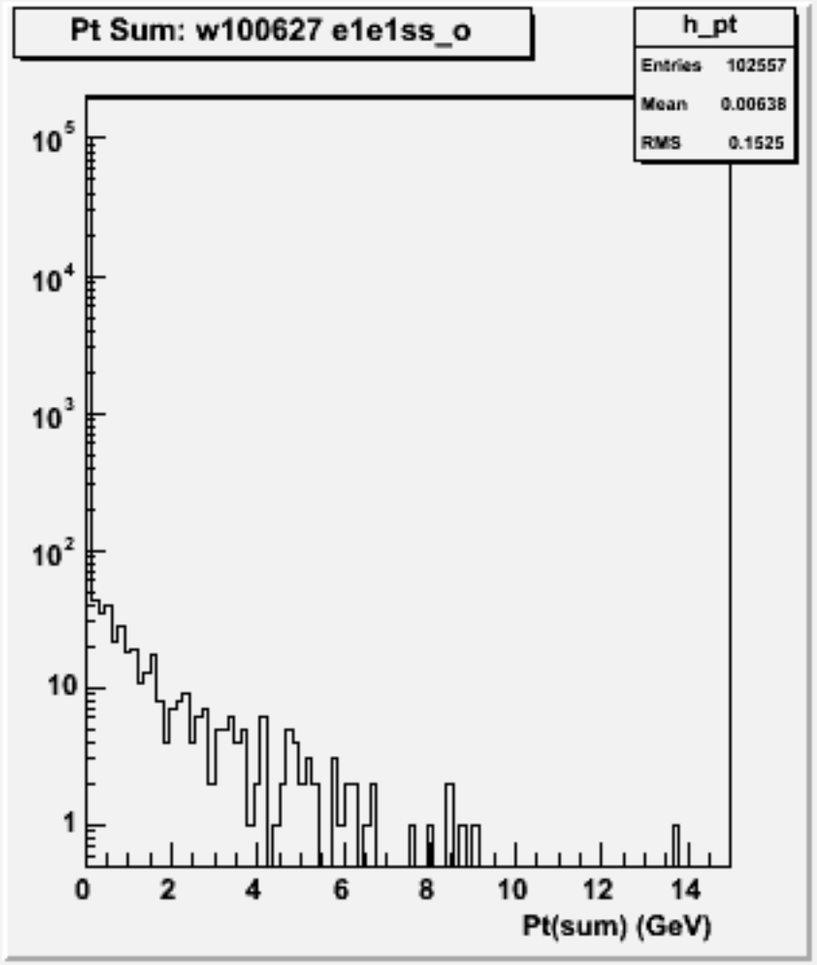

Pz Sum: w100627 e1e1ss_o
h_pz
Entries 102557
Mean -0.002888
RMS 6.259
Pz(sum) (GeV)

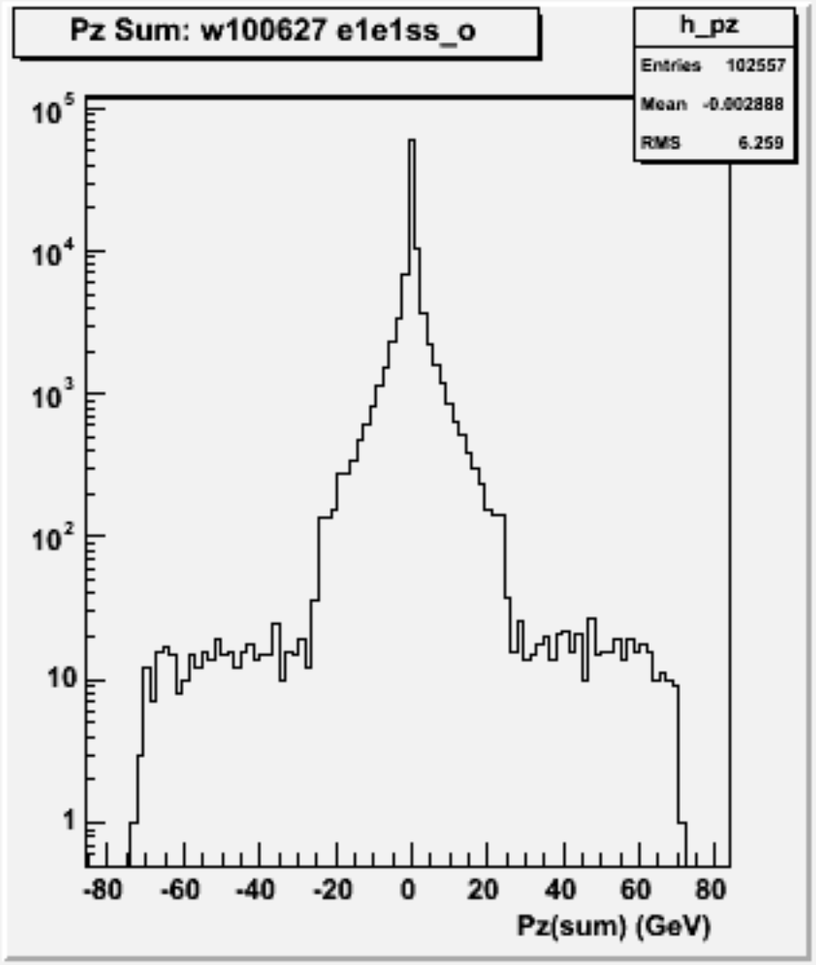

Thrust w100627 e1e1ss_o
h_thrust
Entries 102557
Mean 0.9236
RMS 0.06927
Thrust

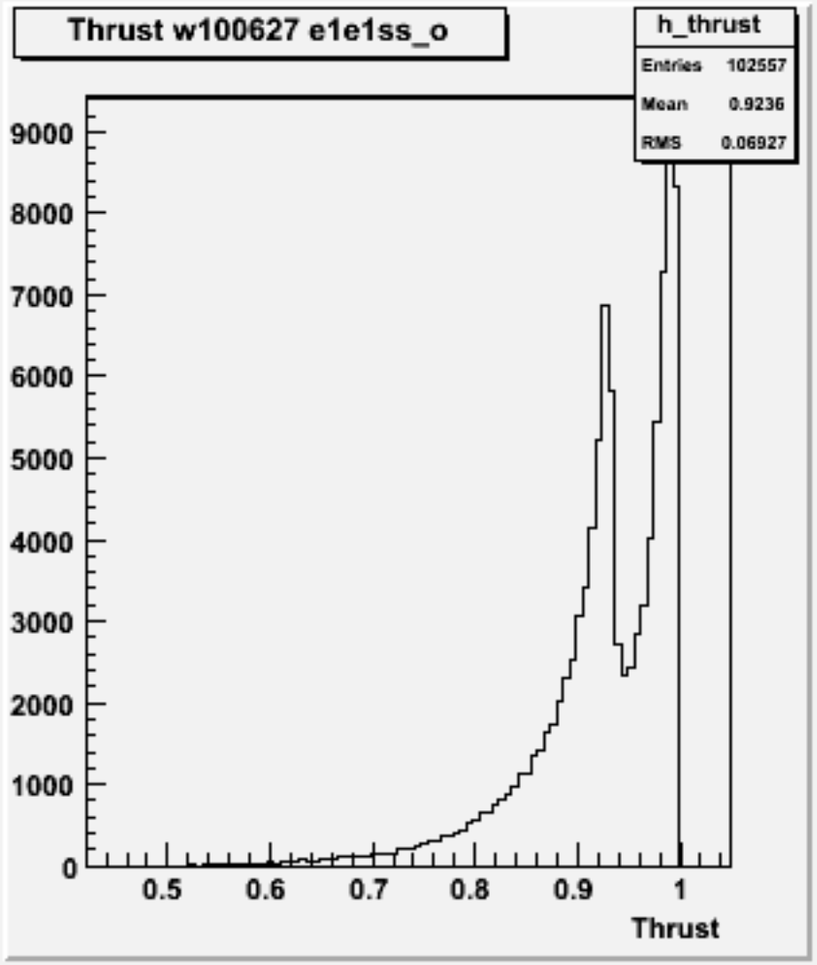

Total Energy (inc. ν): w100627 e1e1ss_o
h_etot
Entries 102557
Mean 347.2
RMS 6.385
Total Energy(GeV)

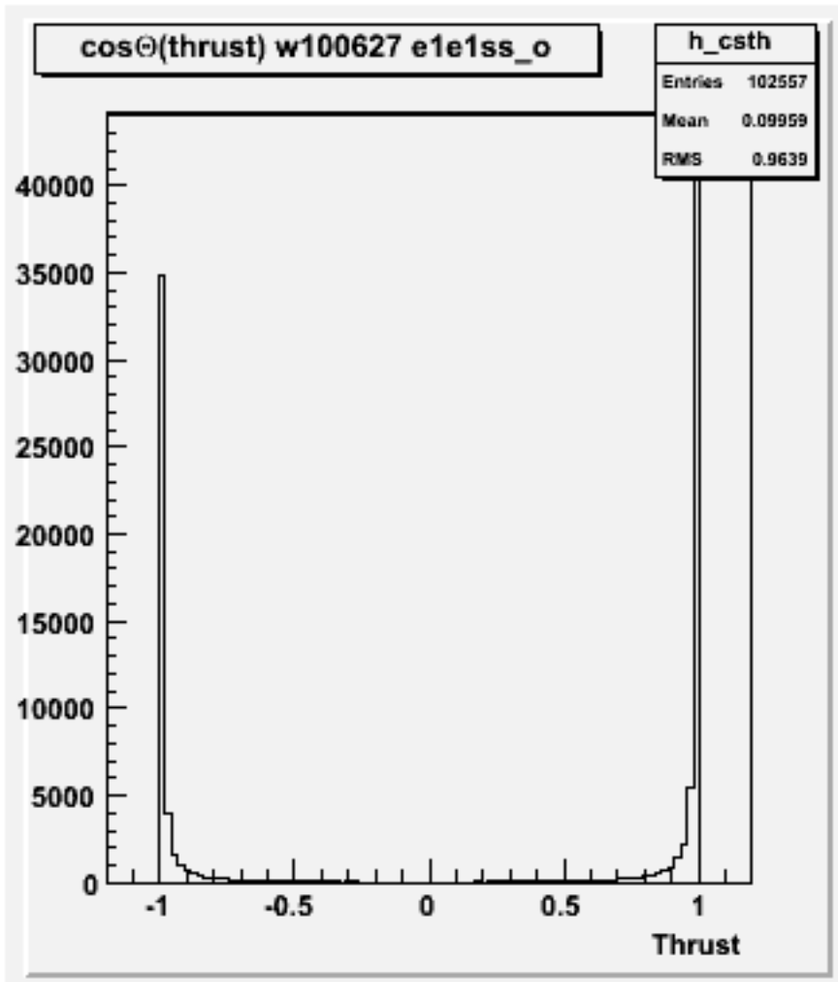

Total Energy (inc. ν): w100627 e1e1ss_o
h_etotc
Entries 94179
Mean 348.7
RMS 2.293
Total Energy(GeV)

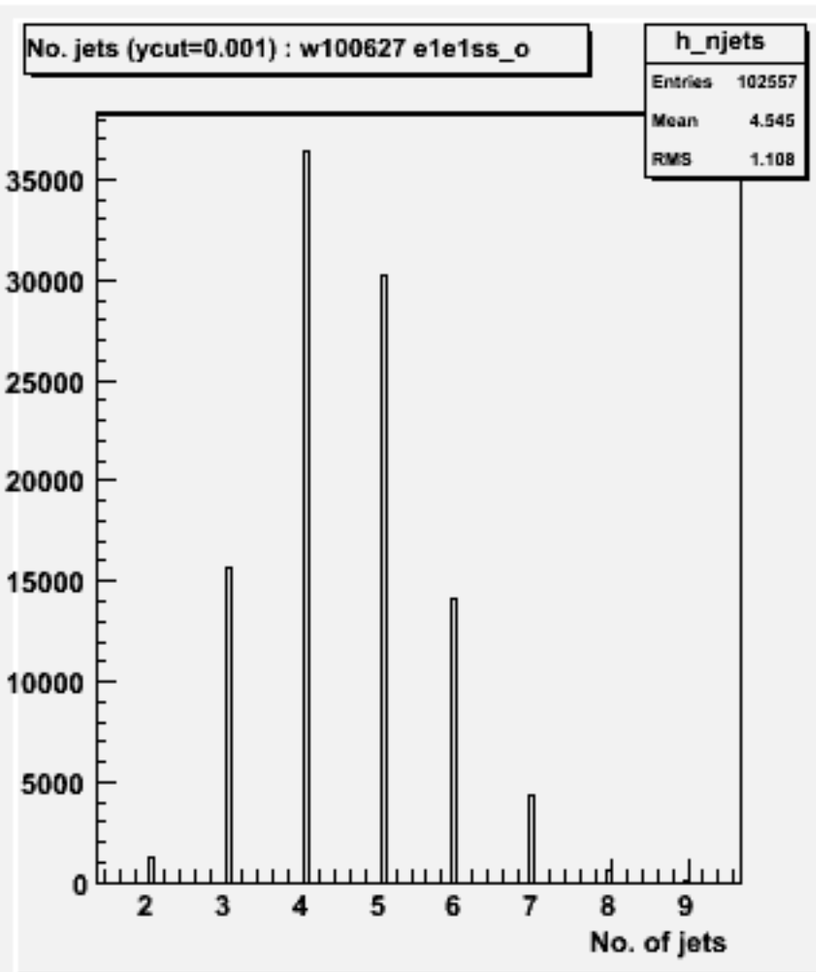

Total Energy (w/o ν): w100627 e1e1ss_o
h_evis
Entries 102557
Mean 347.2
RMS 6.396
Energy(GeV)

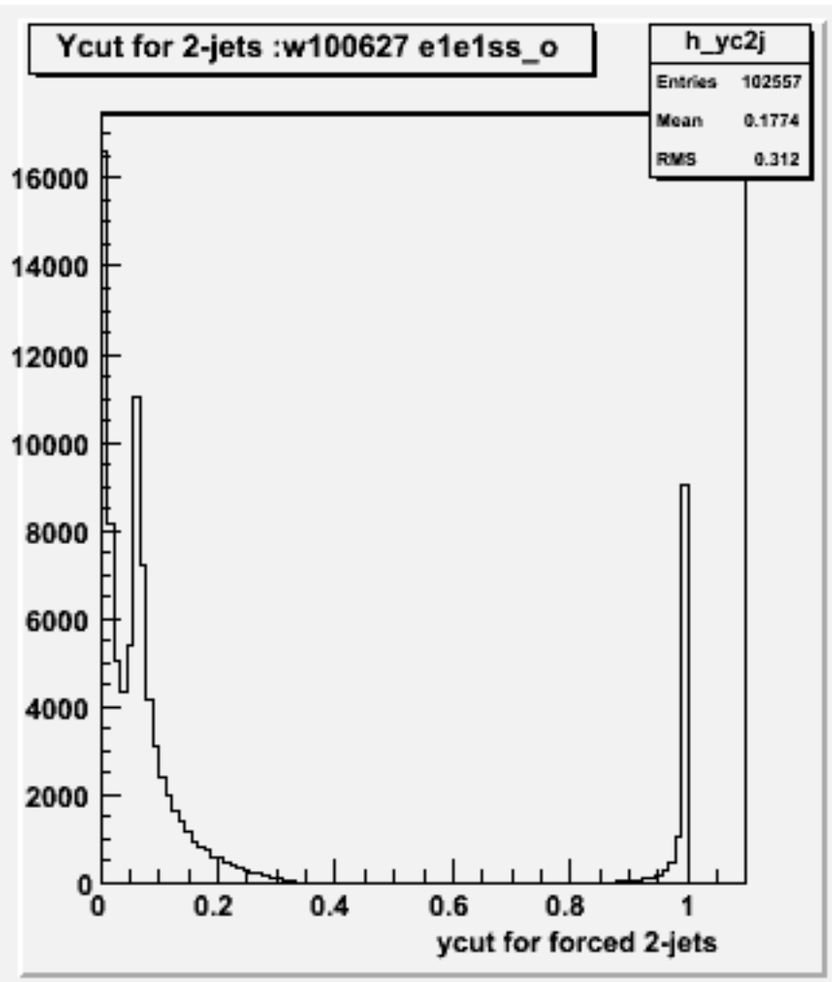

Pt Sum: w100627 e1e1ss_o
h_pt
Entries 102557
Mean 0.00638
RMS 0.1525
Pt(sum) (GeV)

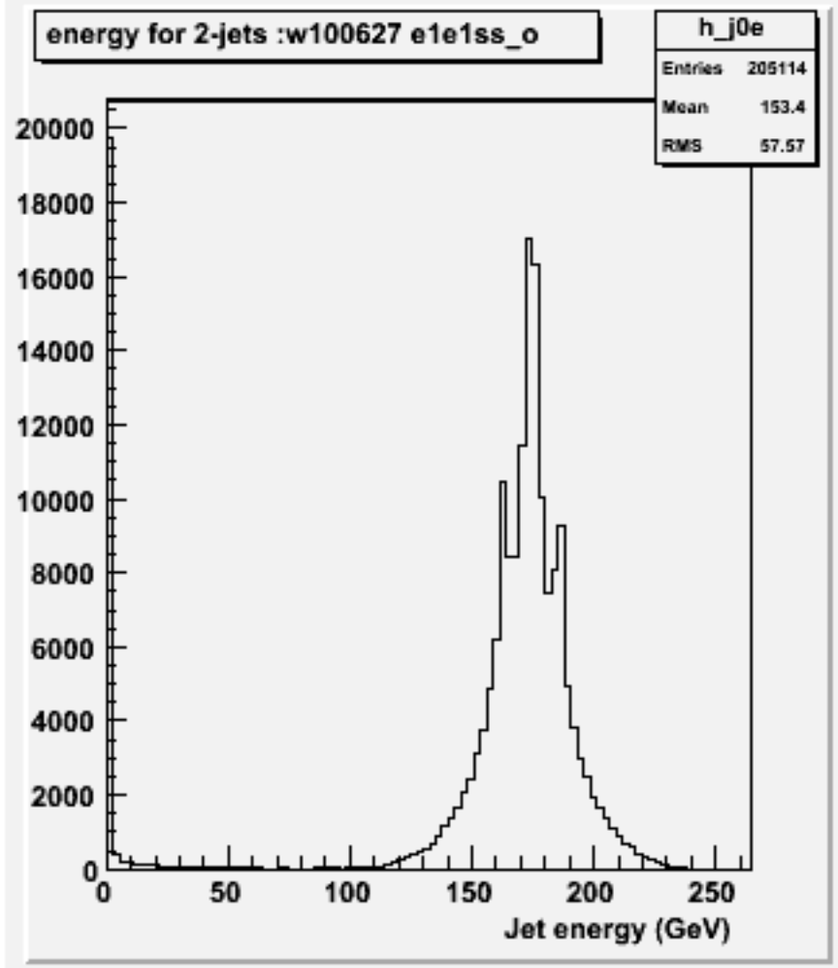

Pz Sum: w100627 e1e1ss_o
h_pz
Entries 102557
Mean -0.002888
RMS 6.259
Pz(sum) (GeV)

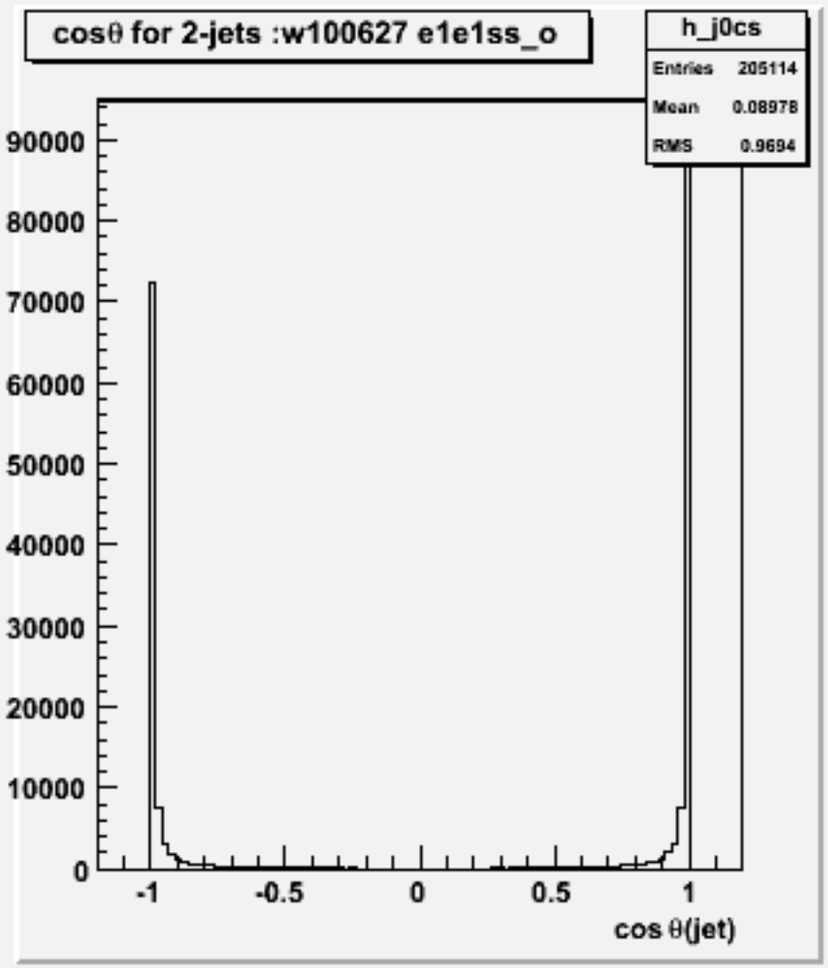

Thrust w100627 e1e1ss_o
h_thrust
Entries 102557
Mean 0.9236
RMS 0.06927
Thrust

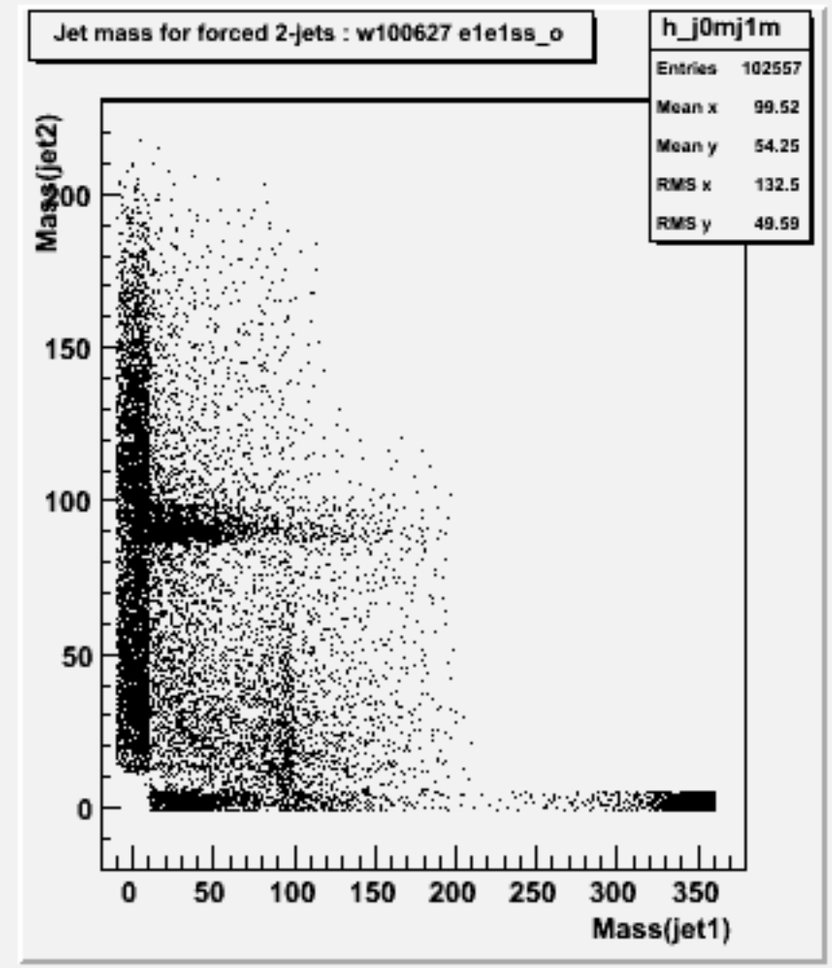

cosΘ(thrust) w100627 e1e1ss_o
h_csth
Entries 102557
Mean 0.09959
RMS 0.9639
Thrust

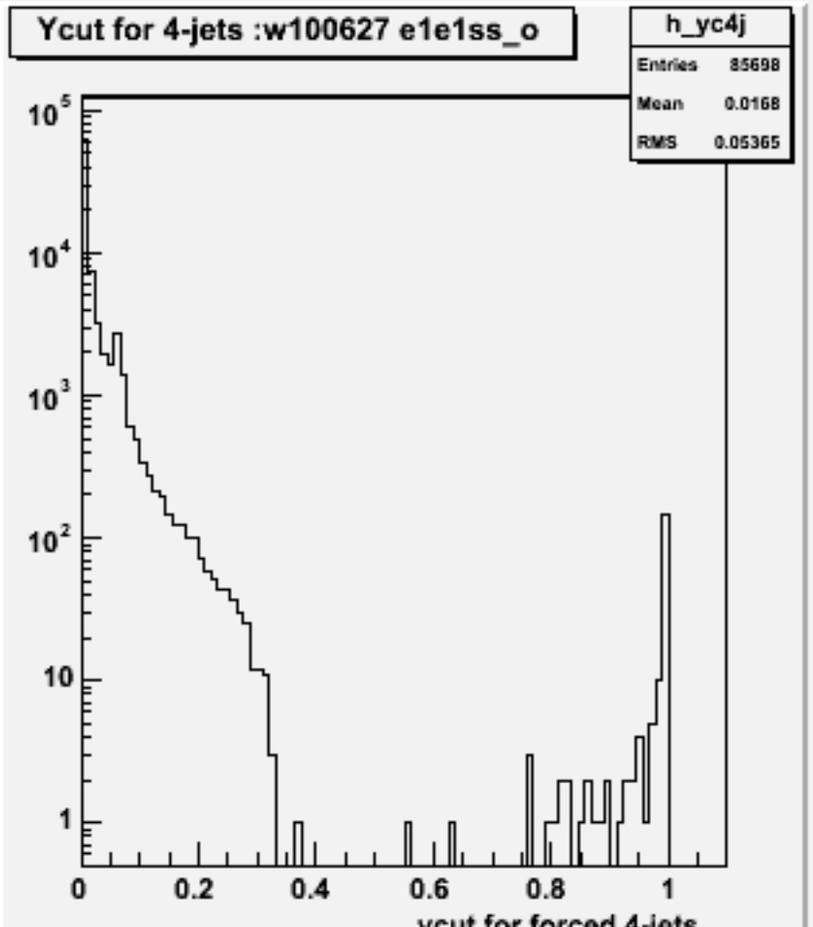

No. jets (ycut=0.001) : w100627 e1e1ss_o
h_njets
Entries 102557
Mean 4.545
RMS 1.108
No. of jets

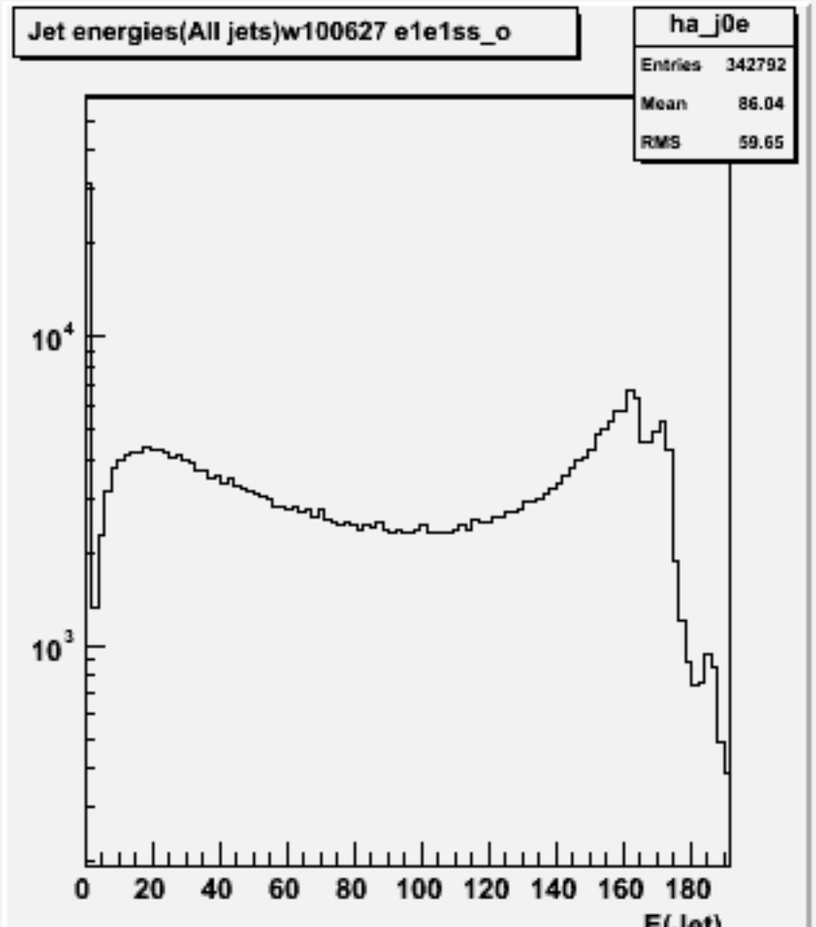

Ycut for 2-jets :w100627 e1e1ss_o
h_yc2j
Entries 102557
Mean 0.1774
RMS 0.312
ycut for forced 2-jets

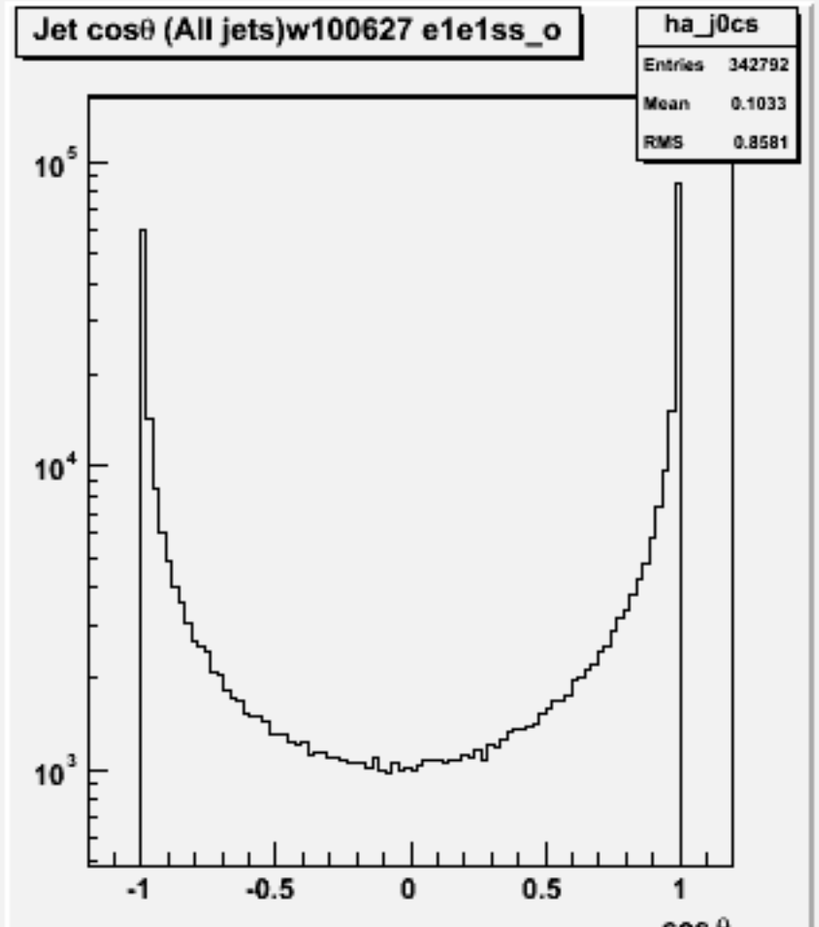

energy for 2-jets :w100627 e1e1ss_o
h_j0e
Entries 205114
Mean 153.4
RMS 57.57
Jet energy (GeV)

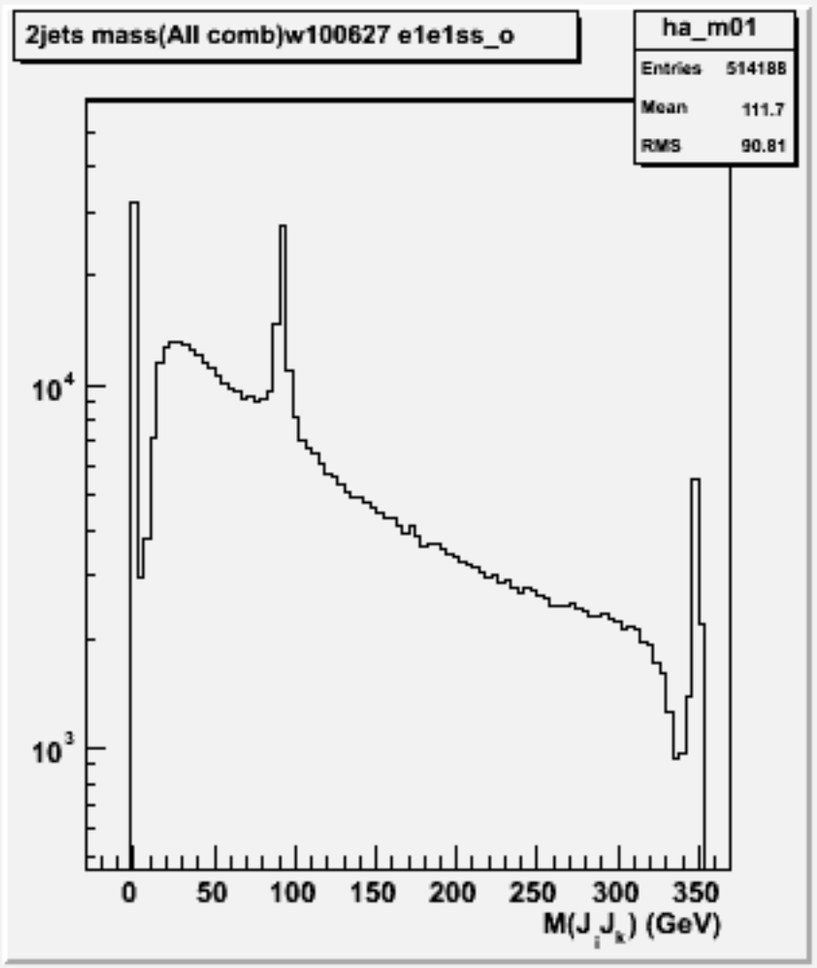

cosθ for 2-jets :w100627 e1e1ss_o
h_j0cs
Entries 205114
Mean 0.08978
RMS 0.9694
cos θ(jet)

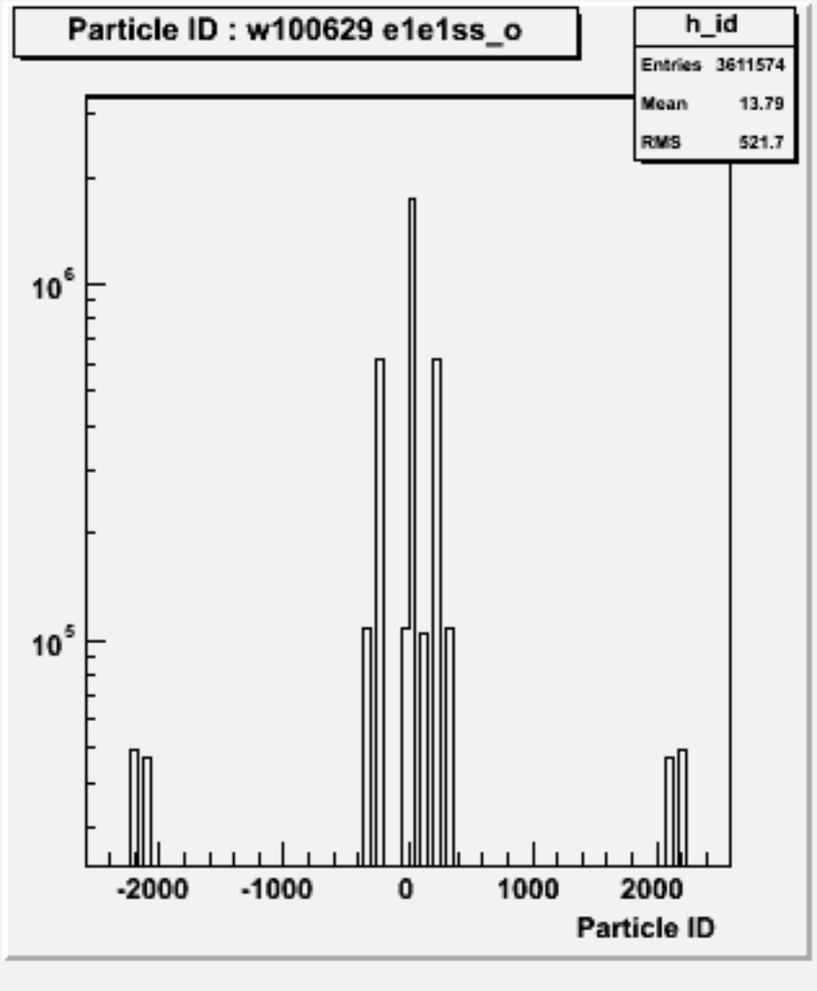

Jet mass for forced 2-jets : w100627 e1e1ss_o
h_j0mj1m
Entries 102557
Mean x 99.52
Mean y 54.25
RMS x 132.5
RMS y 49.59
Mass(jet2)
Mass(jet1)

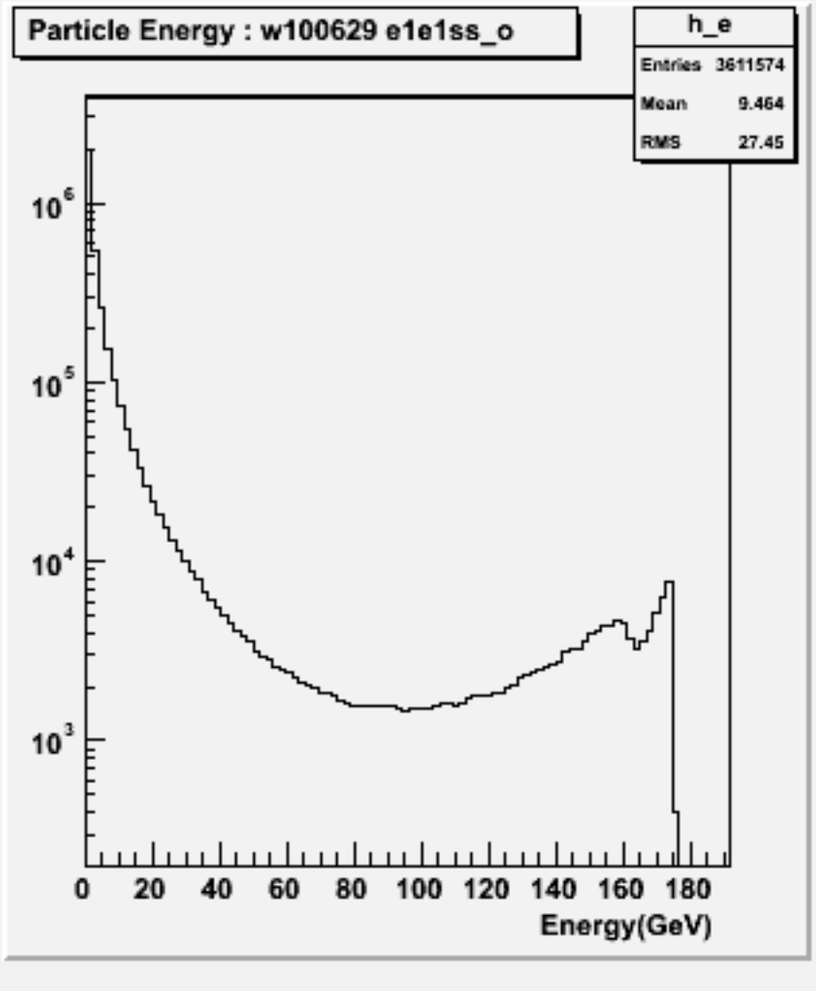

Ycut for 4-jets :w100627 e1e1ss_o
h_yc4j
Entries 85698
Mean 0.0168
RMS 0.05365
ycut for forced 4-jets

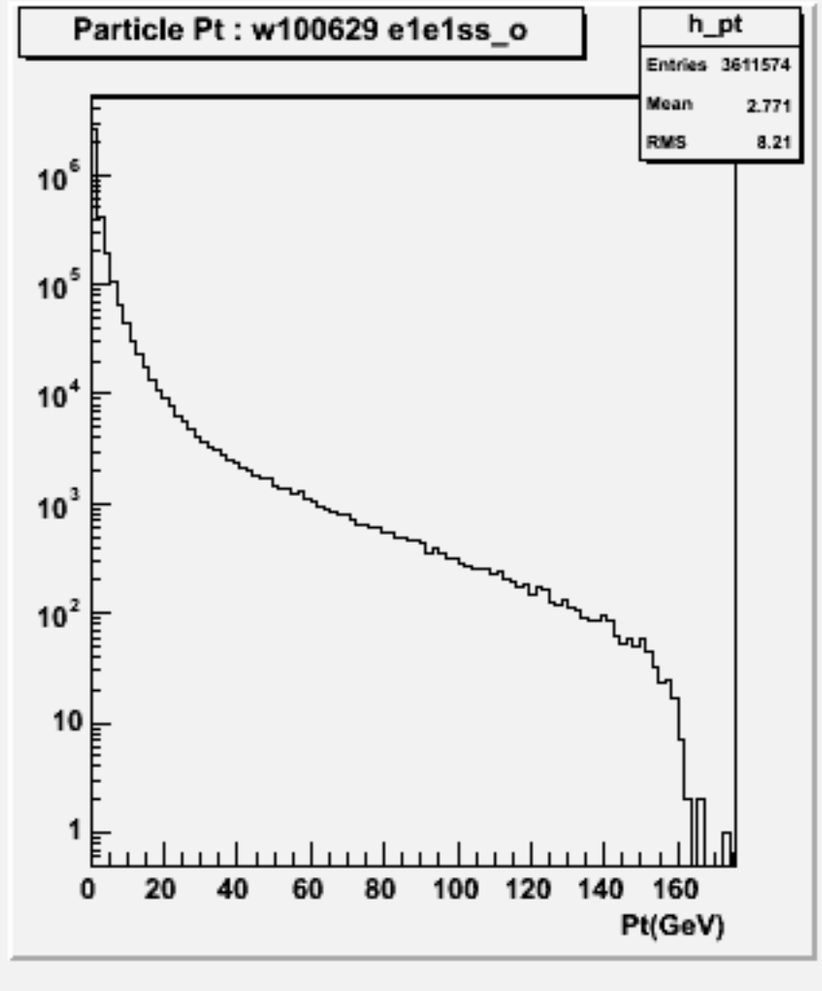

Jet energies(All jets)w100627 e1e1ss_o
ha_j0e
Entries 342792
Mean 86.04
RMS 59.65
E(Jet)

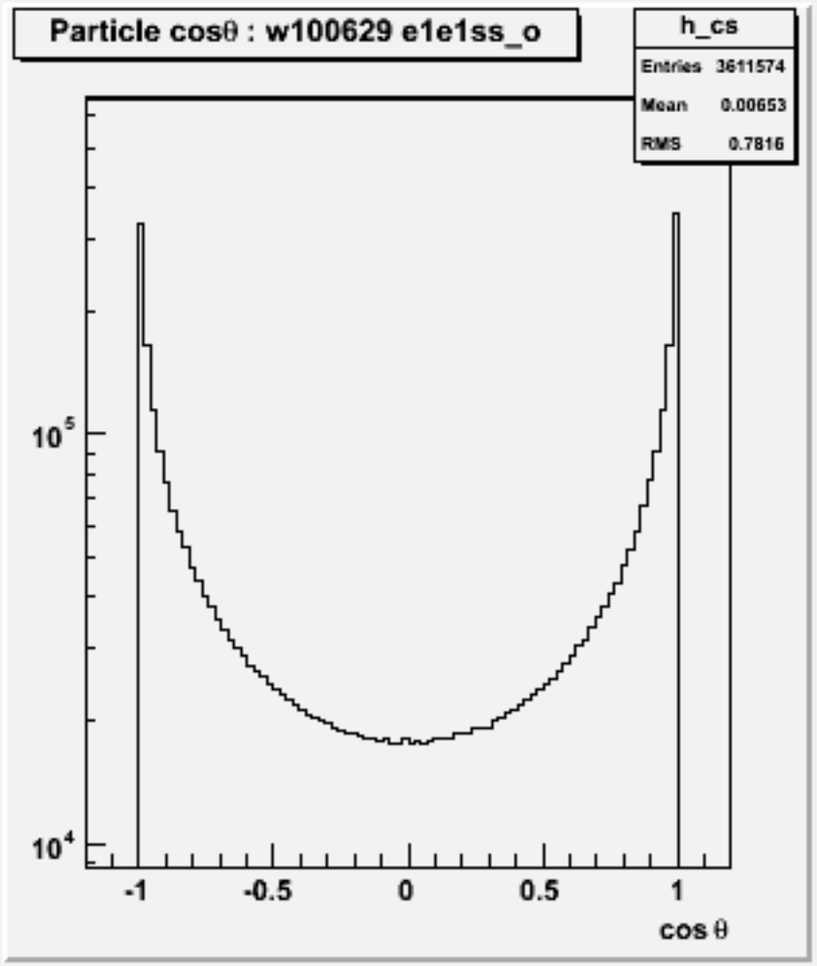

Jet cosθ (All jets)w100627 e1e1ss_o
ha_j0cs
Entries 342792
Mean 0.1033
RMS 0.8581
cos θ

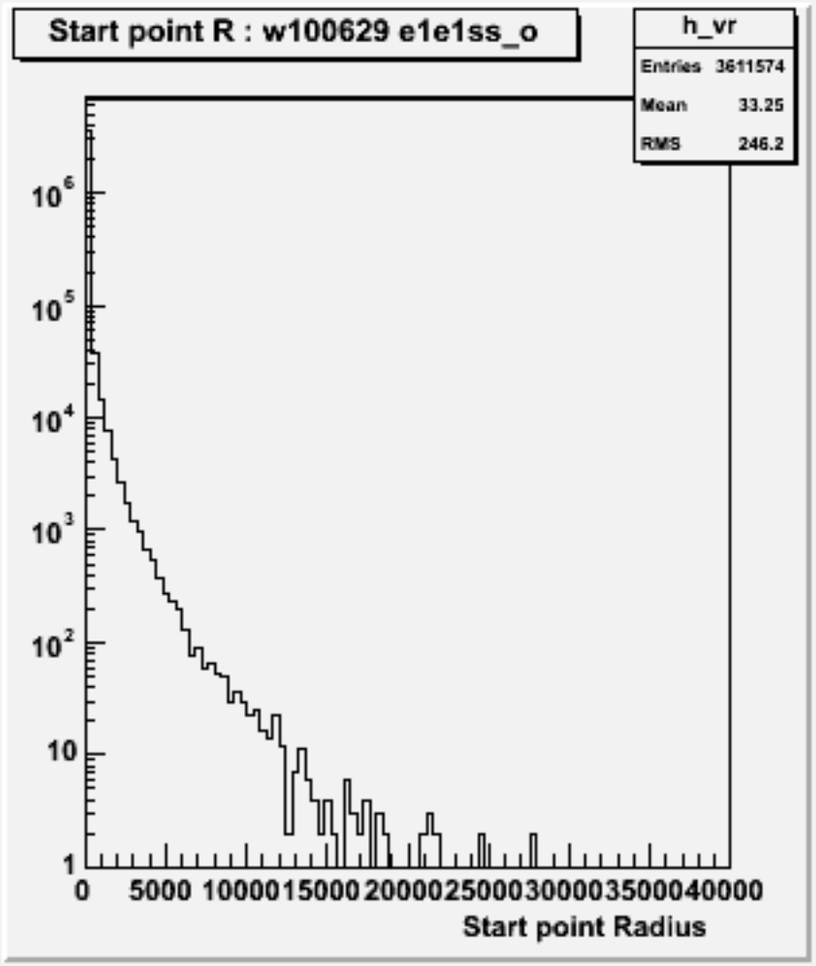

2jets mass(All comb)w100627 e1e1ss_o
ha_m01
Entries 514188
Mean 111.7
RMS 90.81
M(J_iJ_k) (GeV)

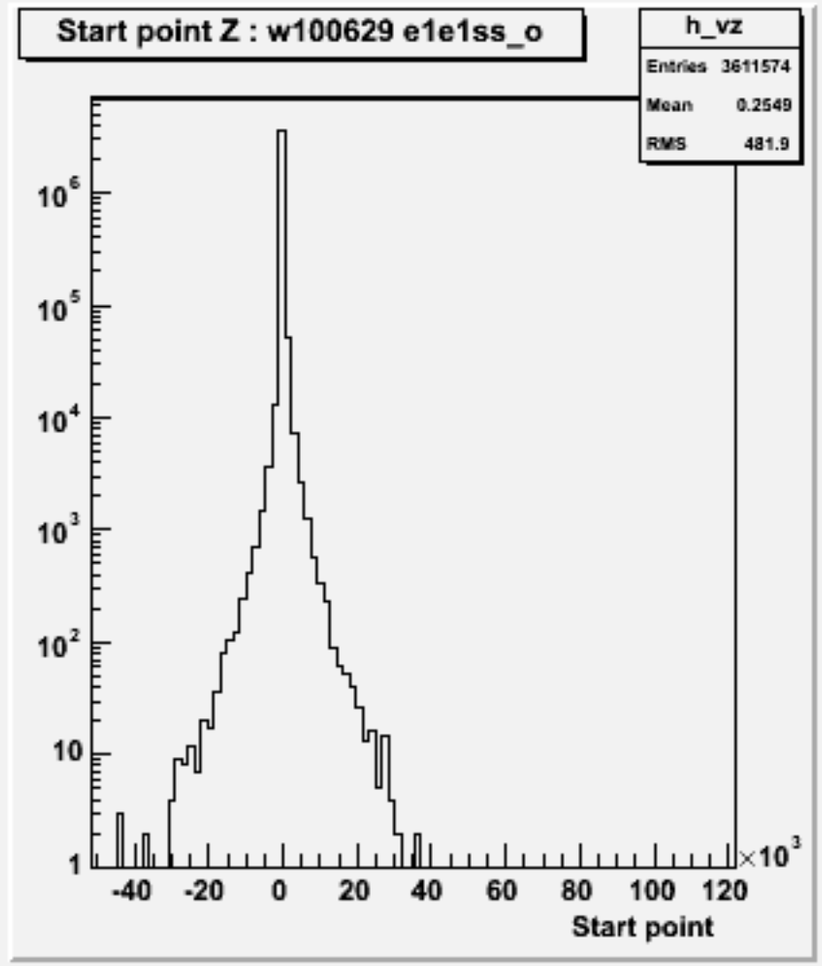

Particle ID : w100629 e1e1ss_o
h_id
Entries 3611574
Mean 13.79
RMS 521.7
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

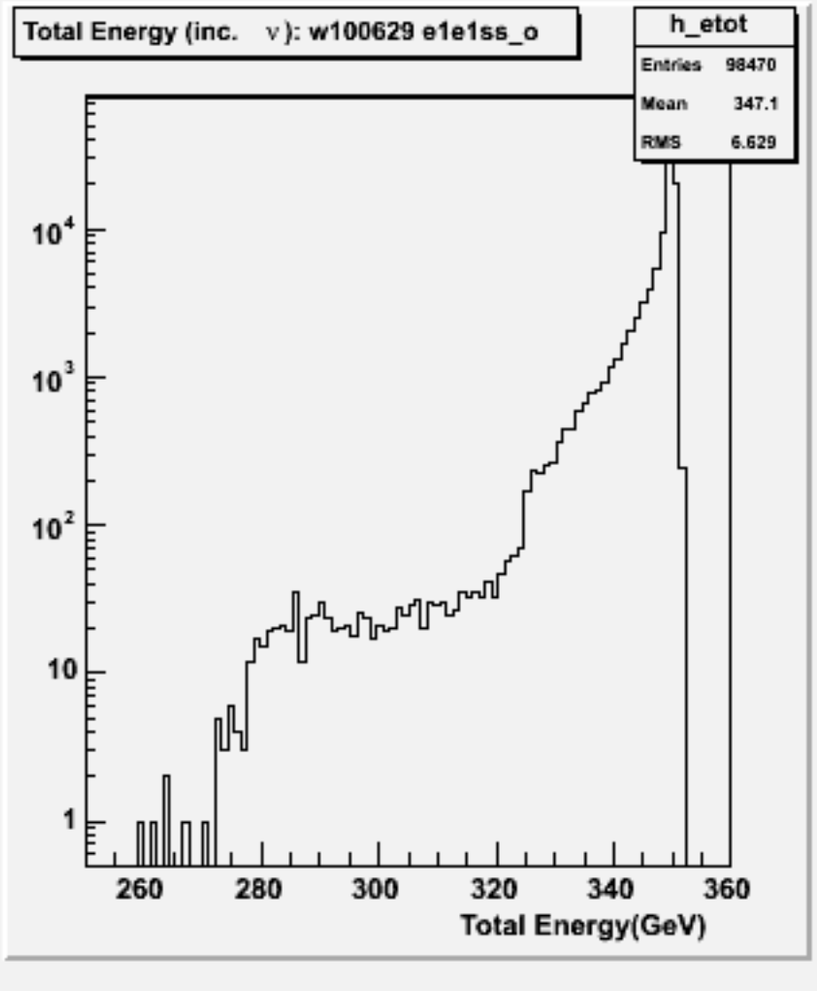

Particle Energy : w100629 e1e1ss_o
h_e
Entries 3611574
Mean 9.464
RMS 27.45
10^6
10^5
10^4
10^3
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

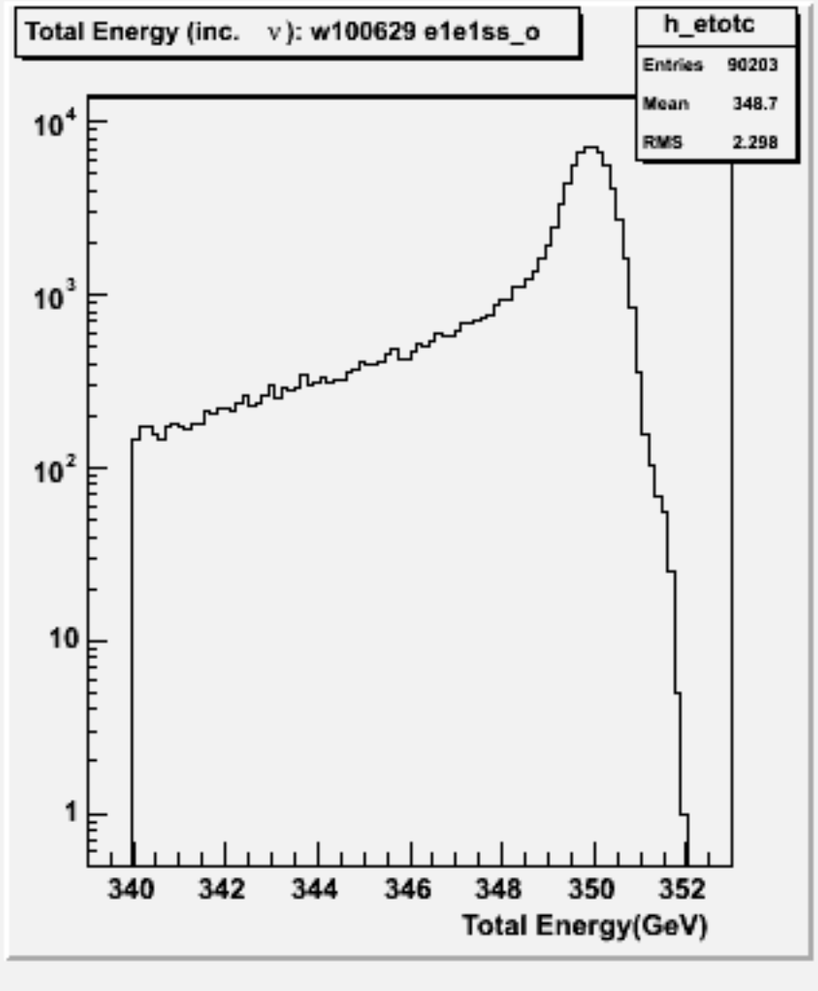

Particle Pt : w100629 e1e1ss_o
h_pt
Entries 3611574
Mean 2.771
RMS 8.21
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

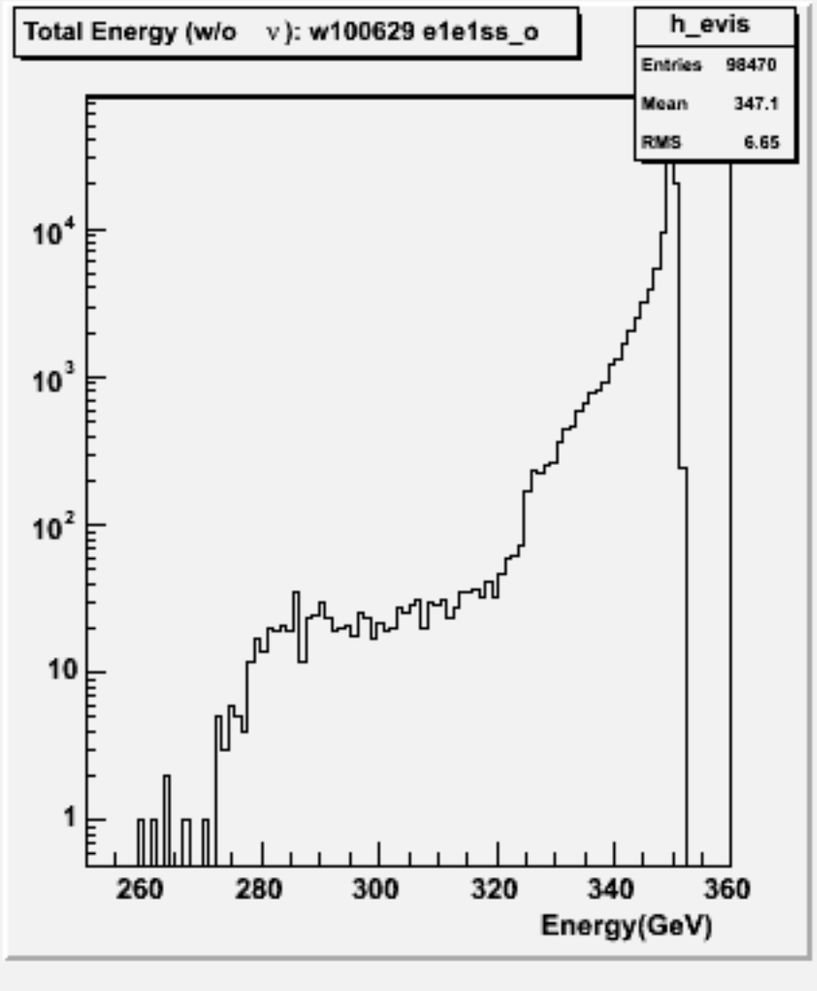

Particle cosθ : w100629 e1e1ss_o
h_cs
Entries 3611574
Mean 0.00653
RMS 0.7816
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

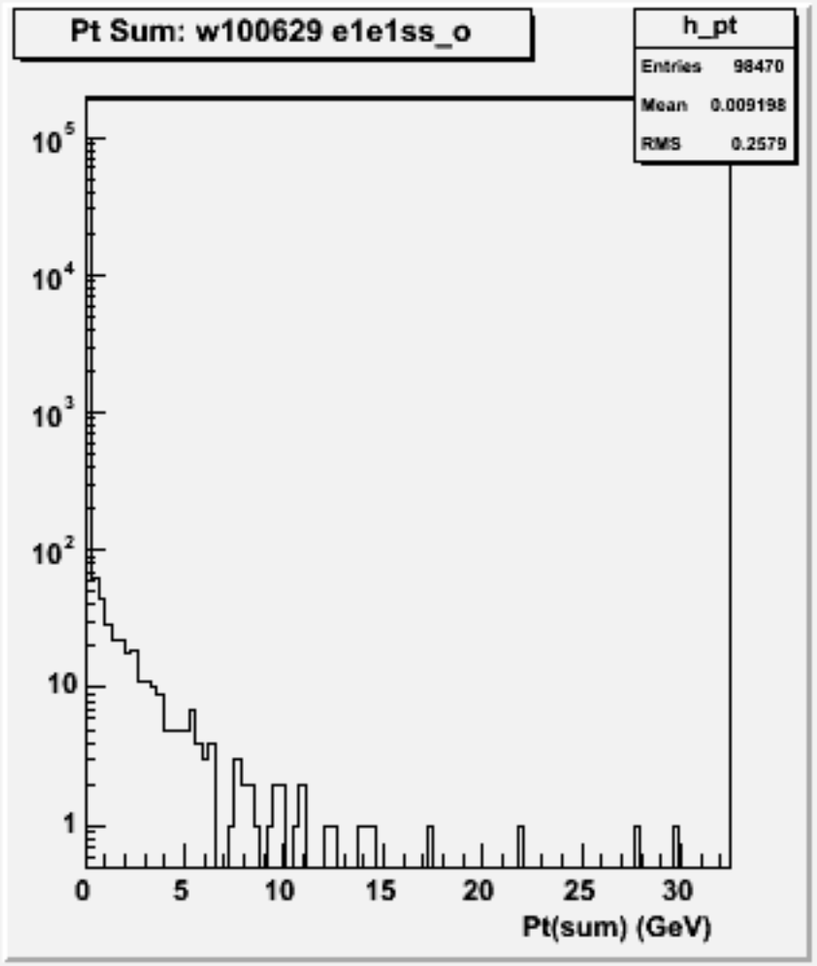

Start point R : w100629 e1e1ss_o
h_vr
Entries 3611574
Mean 33.25
RMS 246.2
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
40000
Start point Radius

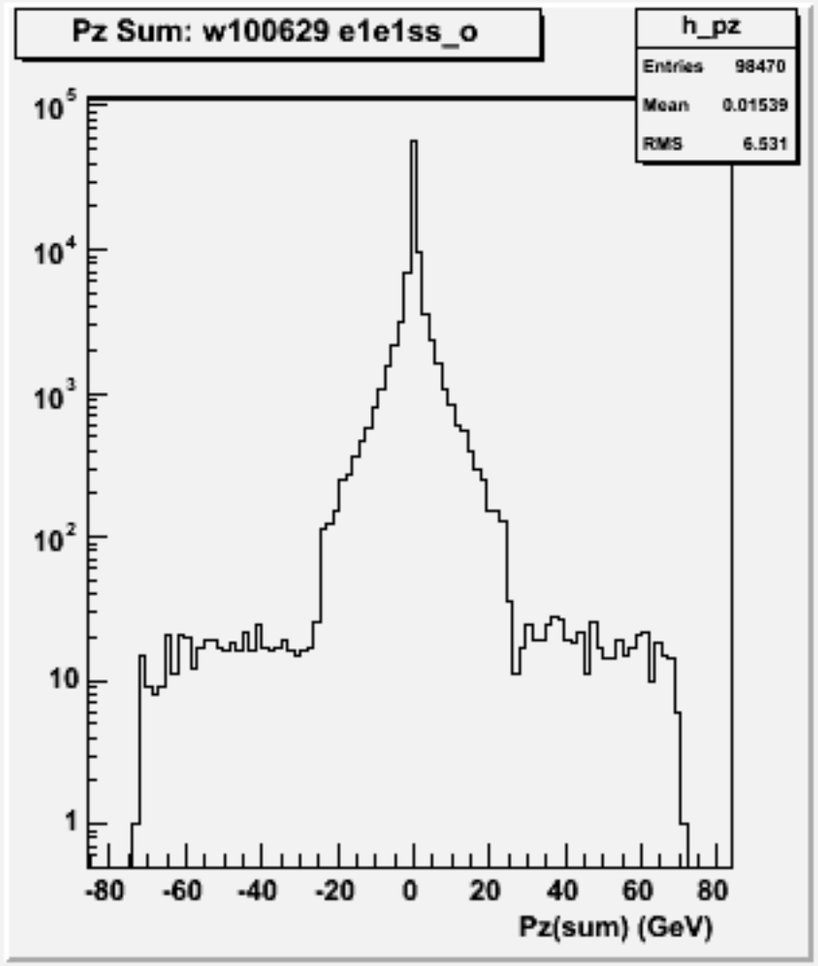

Start point Z : w100629 e1e1ss_o
h_vz
Entries 3611574
Mean 0.2549
RMS 481.9
10^6
10^5
10^4
10^3
10^2
10
1
-40
-20
0
20
40
60
80
100
120
$\times 10^3$
Start point

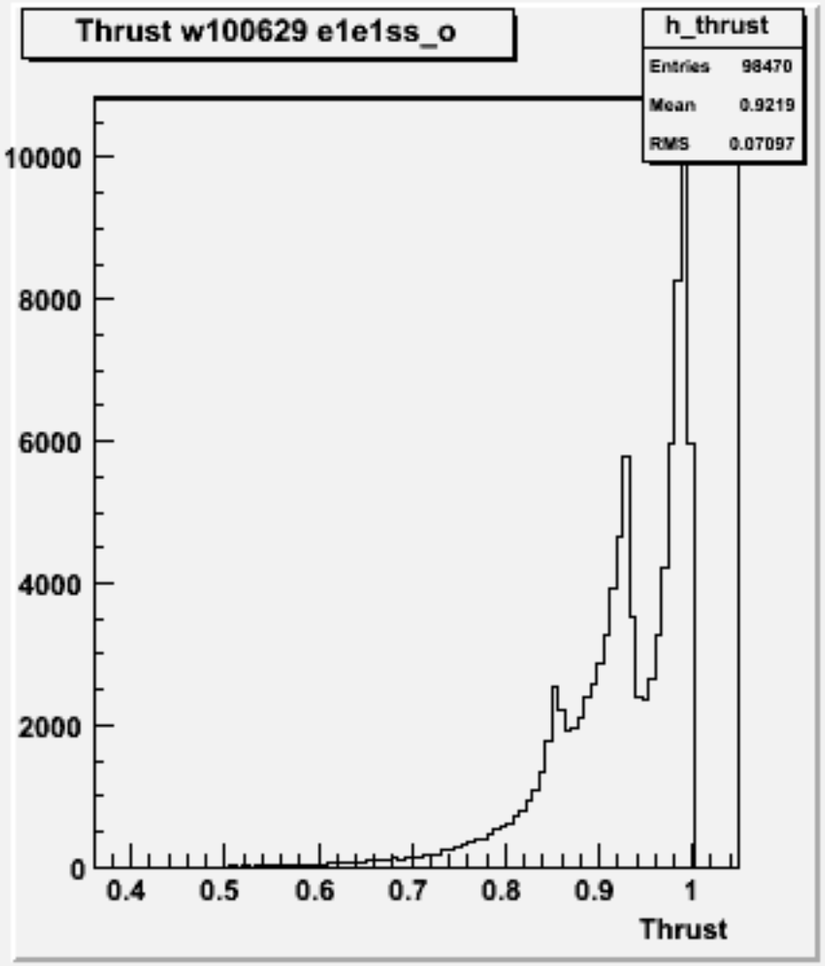

Total Energy (inc. ν): w100629 e1e1ss_o
h_etot
Entries 98470
Mean 347.1
RMS 6.629
Total Energy(GeV)

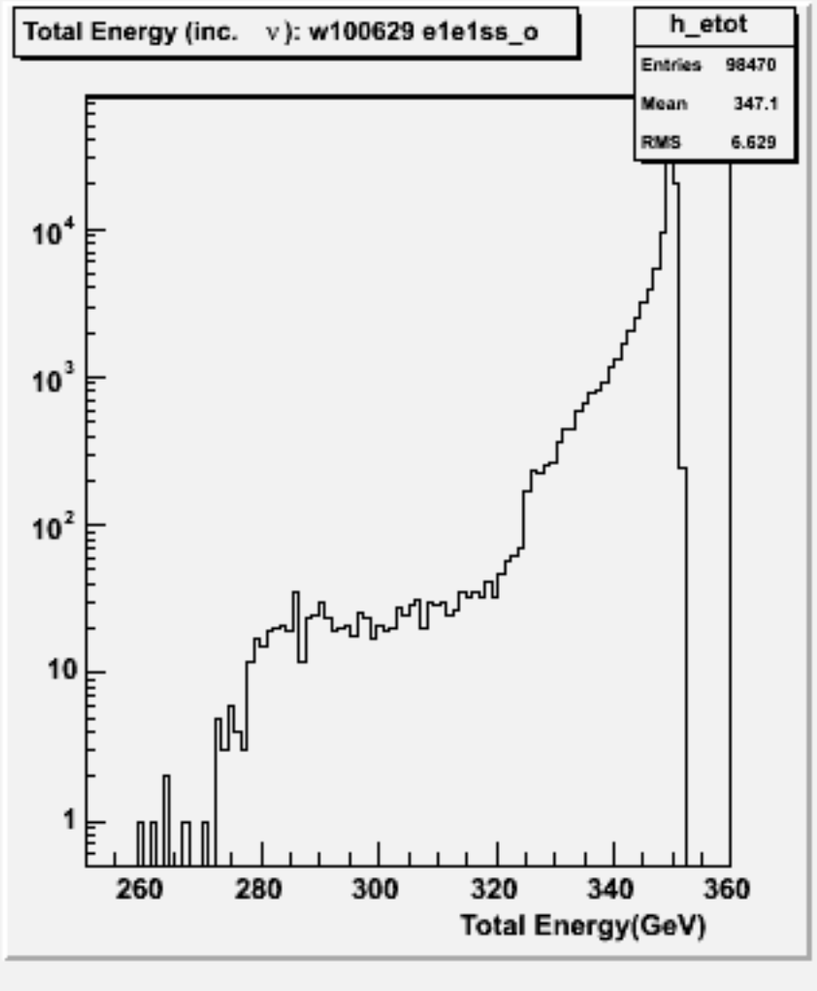

Total Energy (inc. ν): w100629 e1e1ss_o
h_etotc
Entries 90203
Mean 348.7
RMS 2.298
Total Energy(GeV)

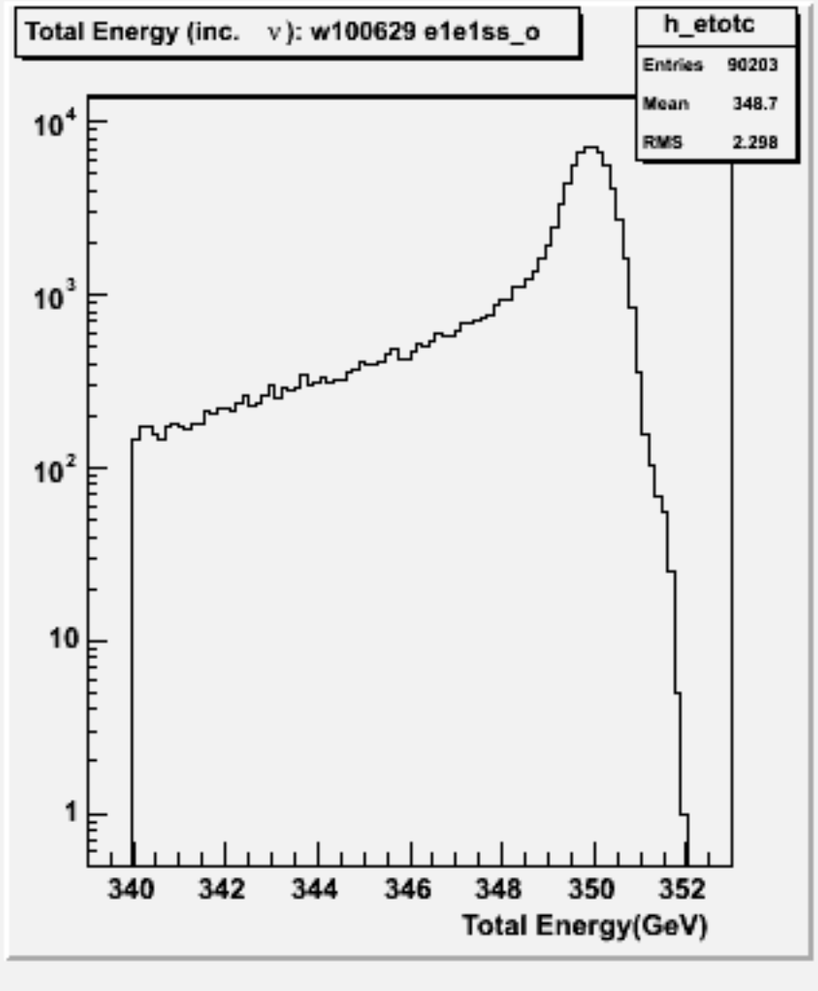

Total Energy (w/o ν): w100629 e1e1ss_o
h_evis
Entries 98470
Mean 347.1
RMS 6.65
Energy(GeV)

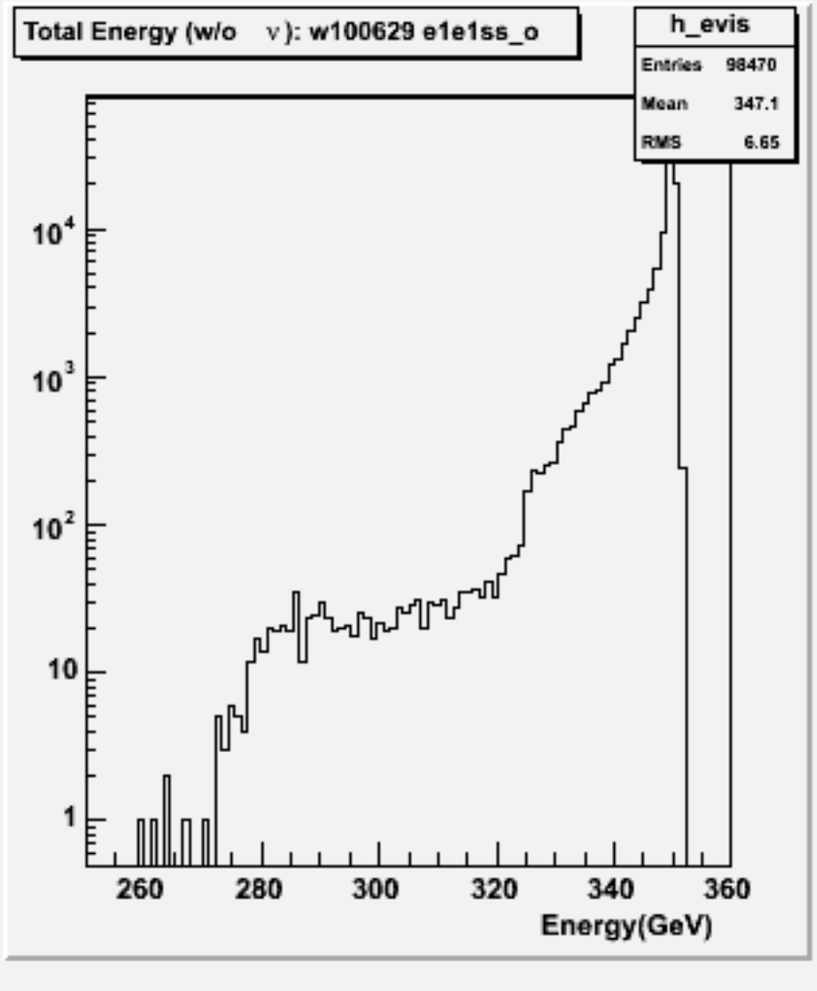

Pt Sum: w100629 e1e1ss_o
h_pt
Entries 98470
Mean 0.009198
RMS 0.2579
Pt(sum) (GeV)

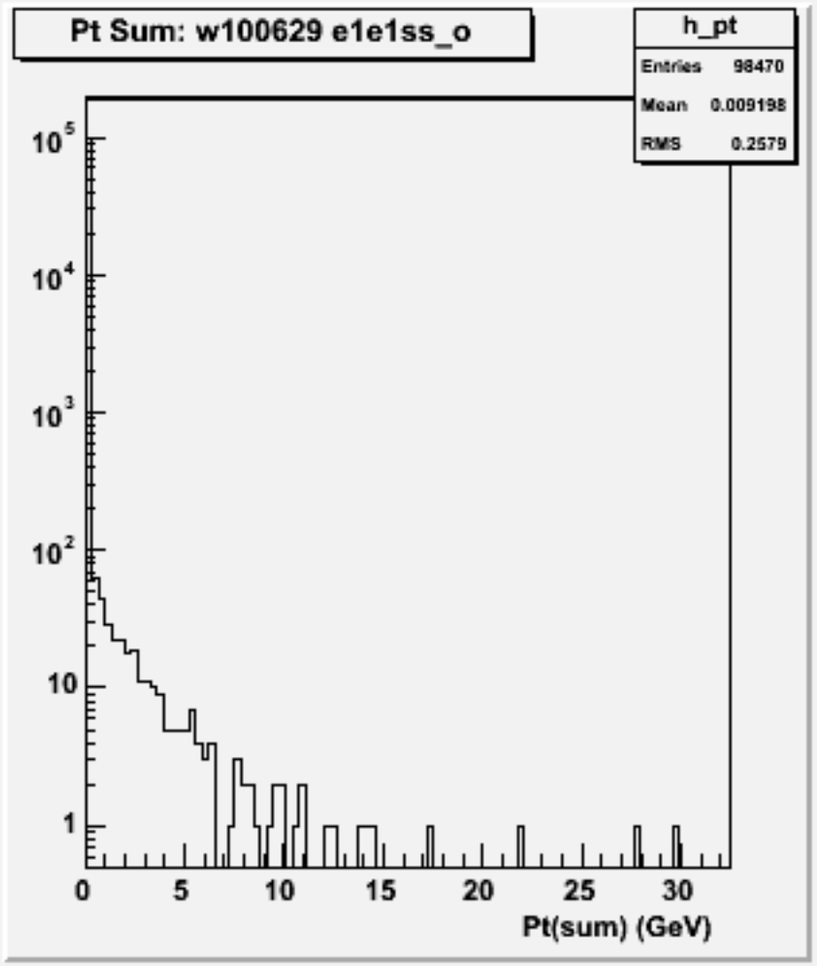

Pz Sum: w100629 e1e1ss_o
h_pz
Entries 98470
Mean 0.01539
RMS 6.531
Pz(sum) (GeV)

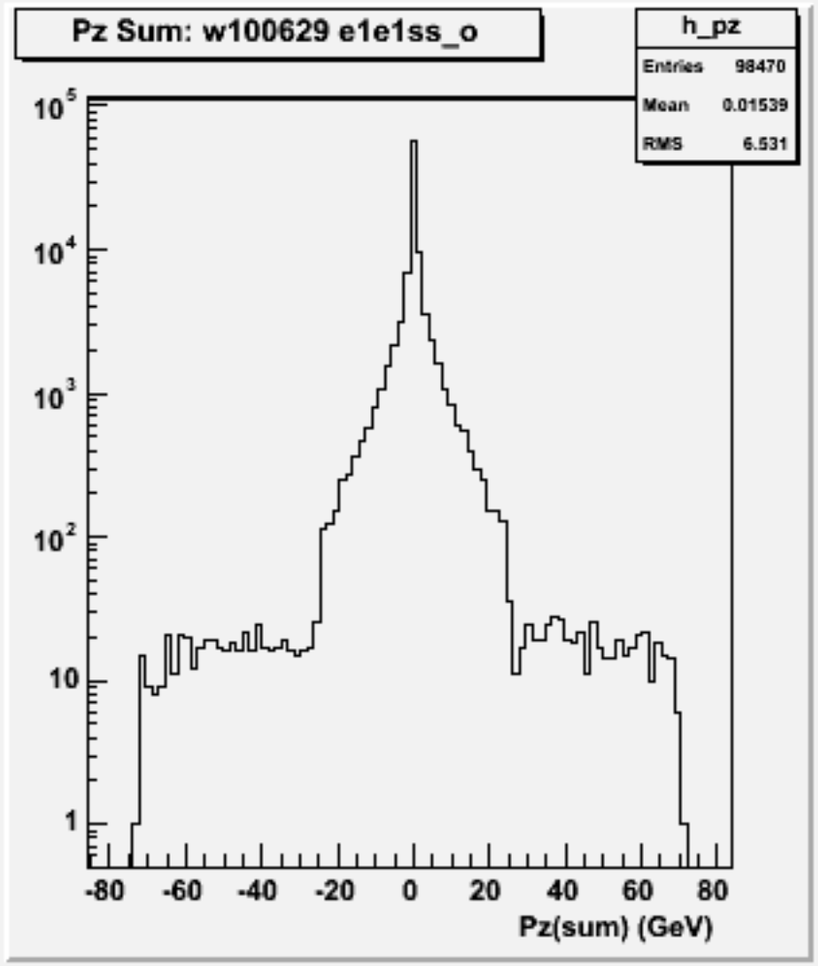

Thrust w100629 e1e1ss_o
h_thrust
Entries 98470
Mean 0.9219
RMS 0.07097
Thrust

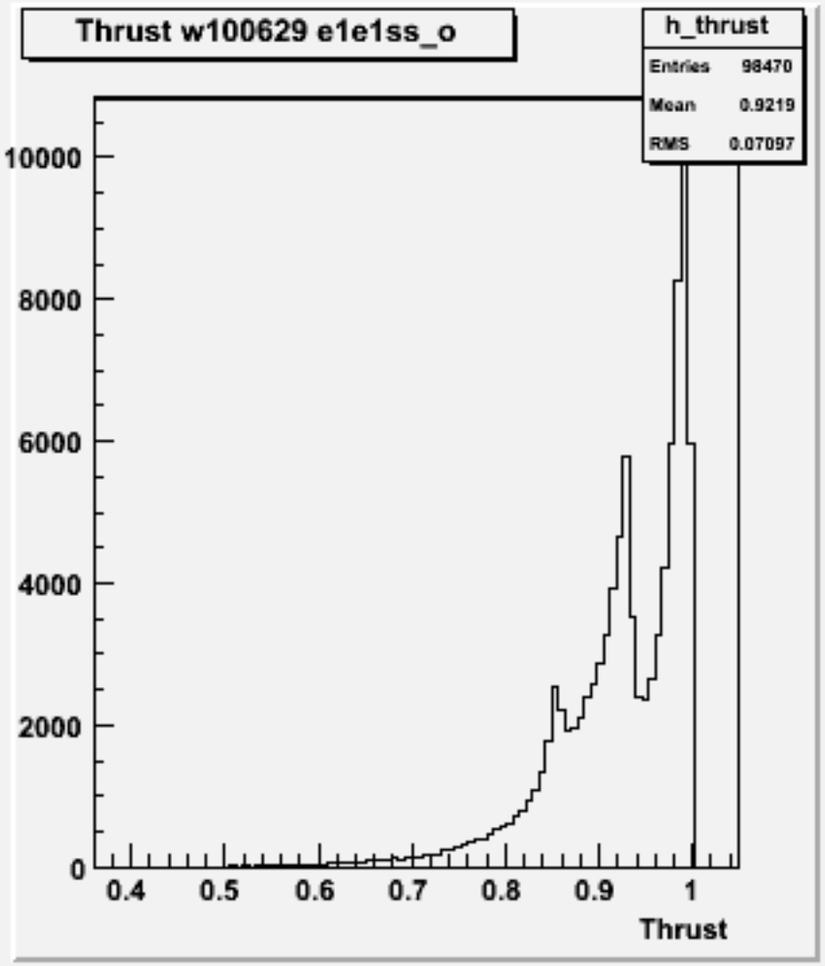

Total Energy (inc. ν): w100629 e1e1ss_o
h_etot
Entries 98470
Mean 347.1
RMS 6.629
Total Energy(GeV)

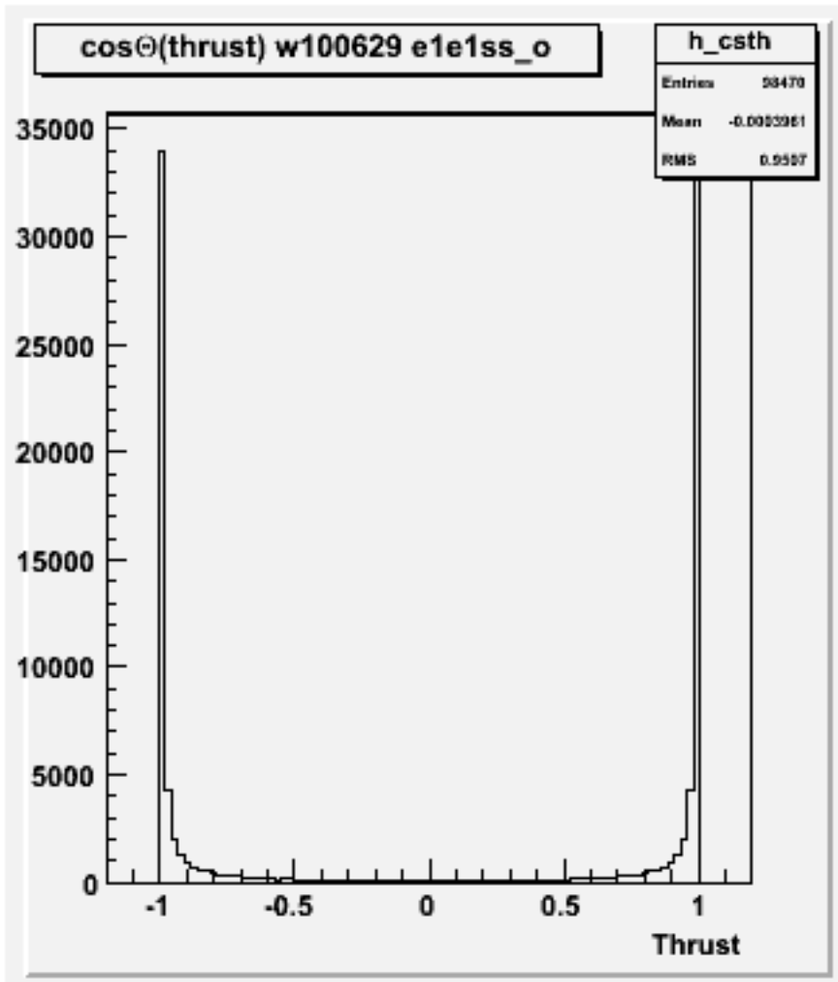

Total Energy (inc. ν): w100629 e1e1ss_o
h_etotc
Entries 90203
Mean 348.7
RMS 2.298
Total Energy(GeV)

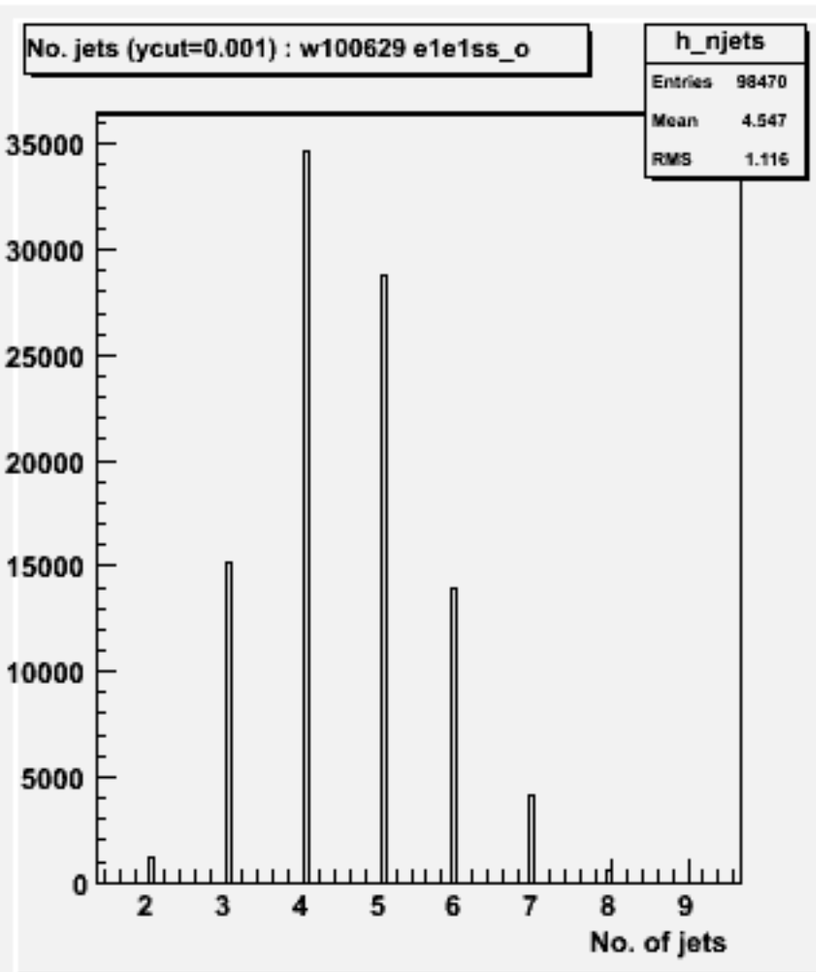

Total Energy (w/o ν): w100629 e1e1ss_o
h_evis
Entries 98470
Mean 347.1
RMS 6.65
Energy(GeV)

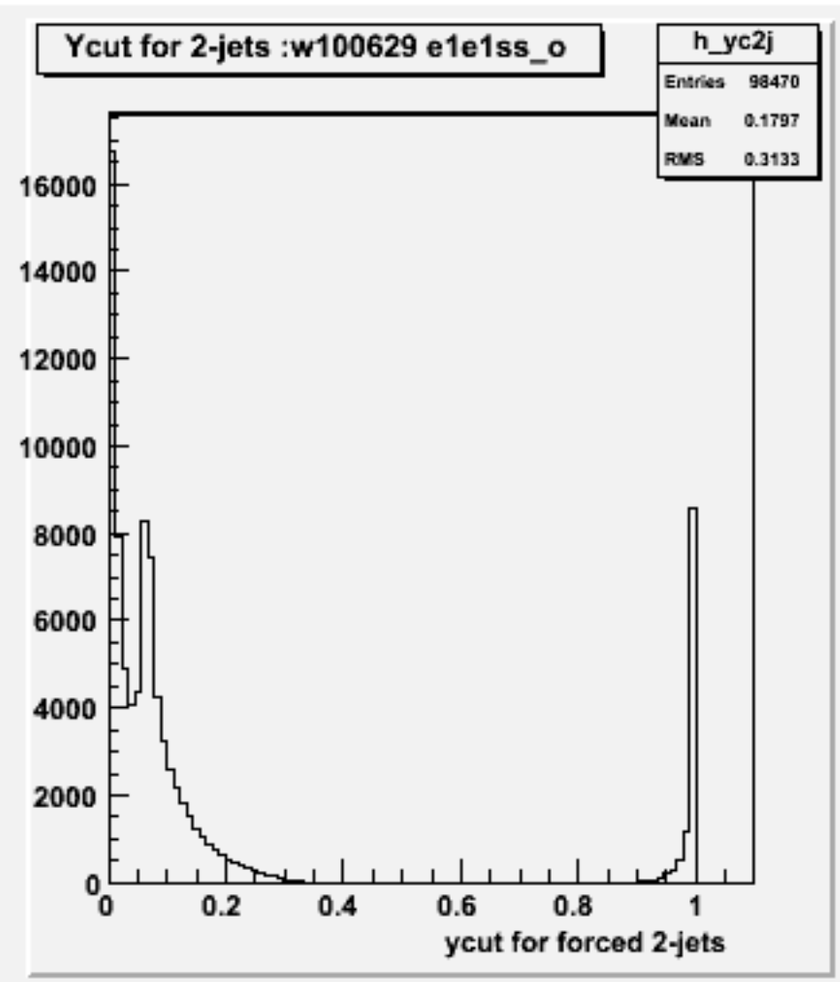

Pt Sum: w100629 e1e1ss_o
h_pt
Entries 98470
Mean 0.009198
RMS 0.2579
Pt(sum) (GeV)

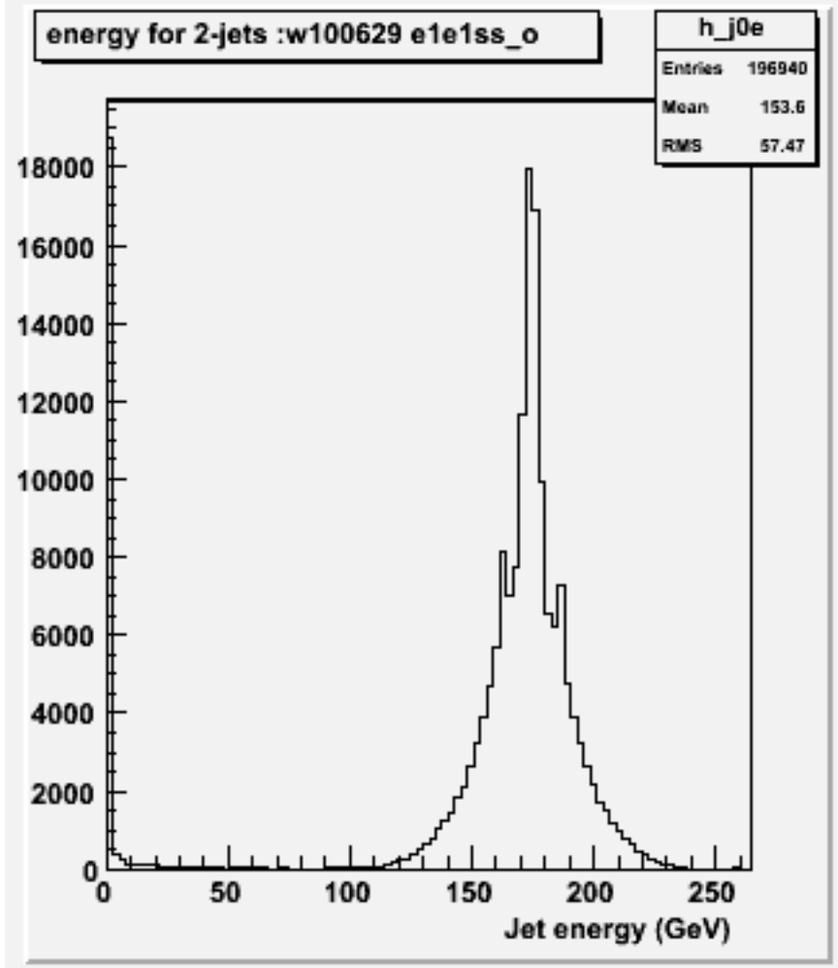

Pz Sum: w100629 e1e1ss_o
h_pz
Entries 98470
Mean 0.01539
RMS 6.531
Pz(sum) (GeV)

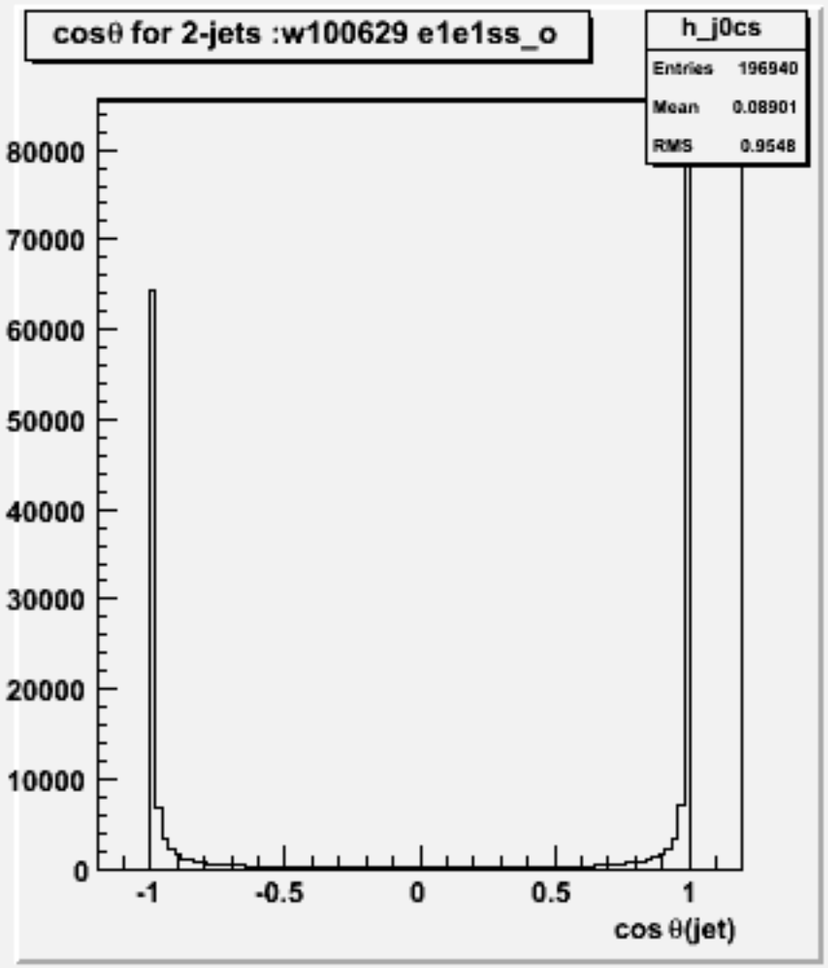

Thrust w100629 e1e1ss_o
h_thrust
Entries 98470
Mean 0.9219
RMS 0.07097
Thrust

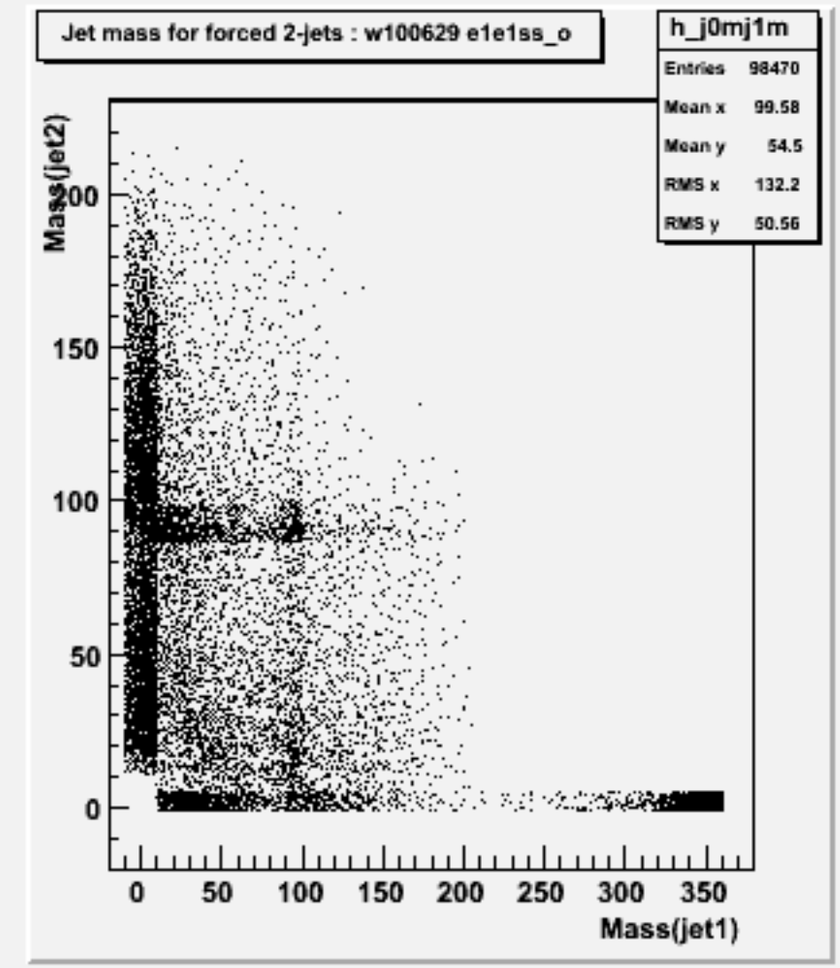

cosΘ(thrust) w100629 e1e1ss_o
h_csth
Entries 98470
Mean -0.0003981
RMS 0.9557
Thrust

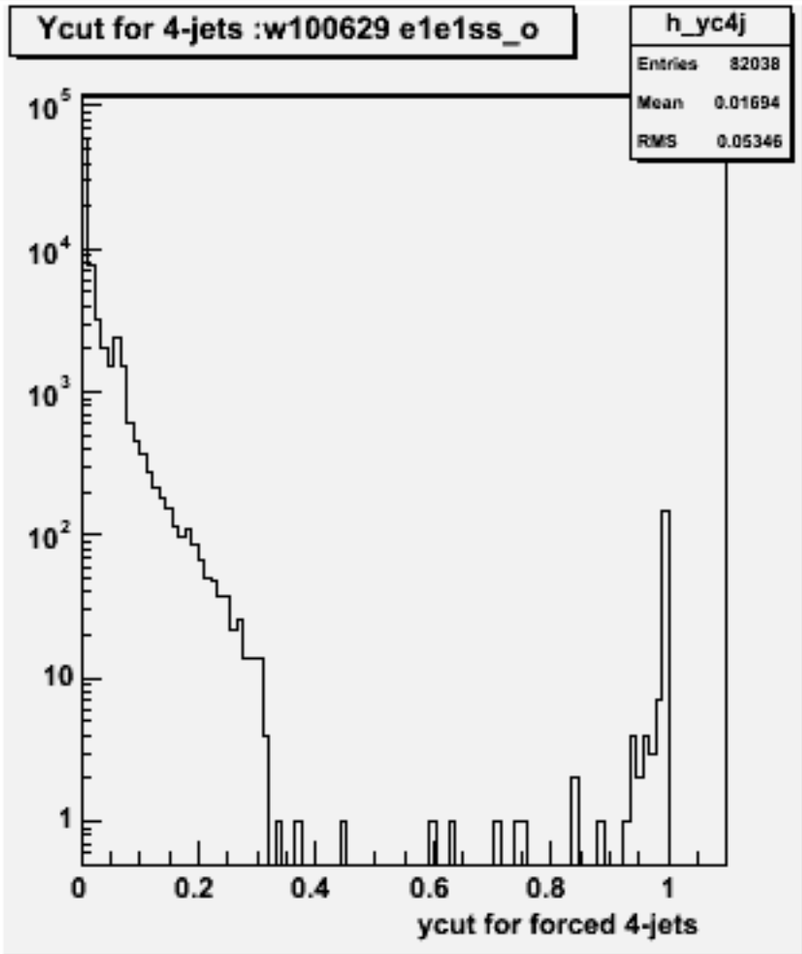

No. jets (ycut=0.001) : w100629 e1e1ss_o
h_njets
Entries 98470
Mean 4.547
RMS 1.116
No. of jets

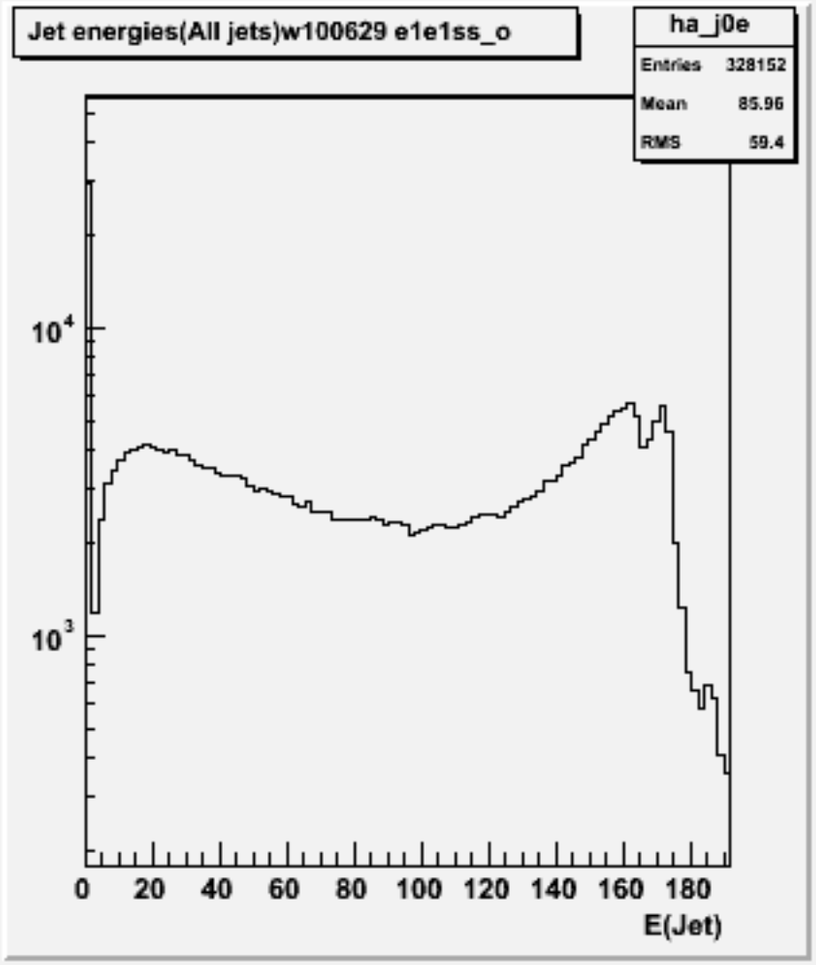

Ycut for 2-jets :w100629 e1e1ss_o
h_yc2j
Entries 98470
Mean 0.1797
RMS 0.3133
ycut for forced 2-jets

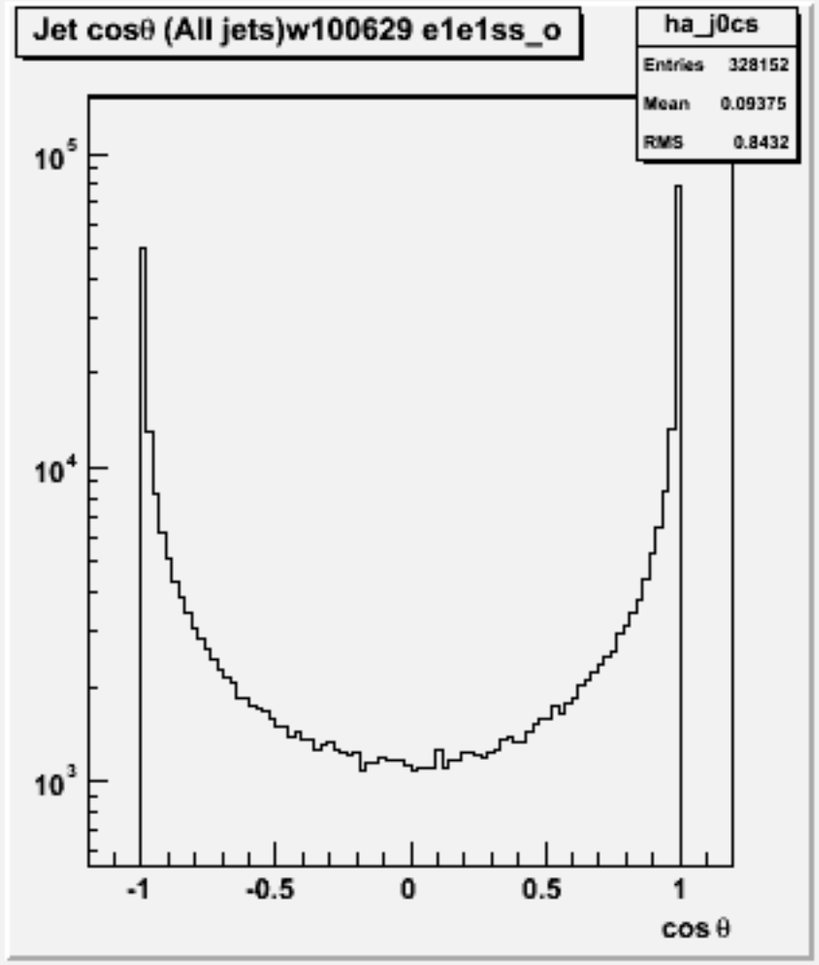

energy for 2-jets :w100629 e1e1ss_o
h_j0e
Entries 196940
Mean 153.6
RMS 57.47
Jet energy (GeV)

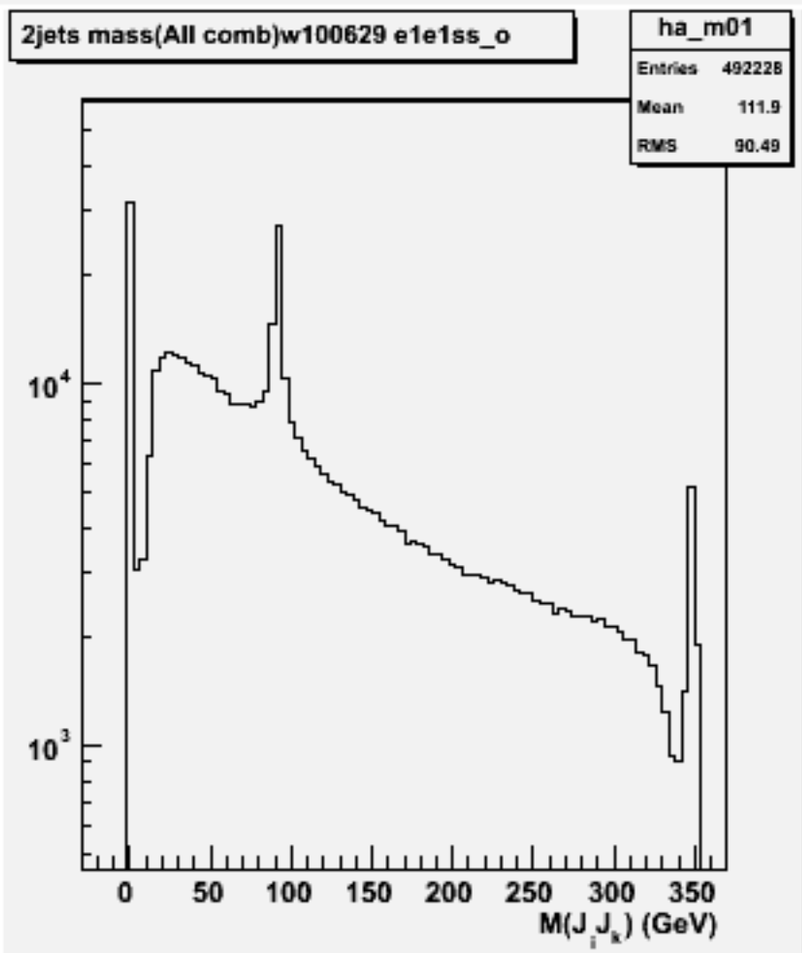

cosθ for 2-jets :w100629 e1e1ss_o
h_j0cs
Entries 196940
Mean 0.08901
RMS 0.9548
cos θ(jet)

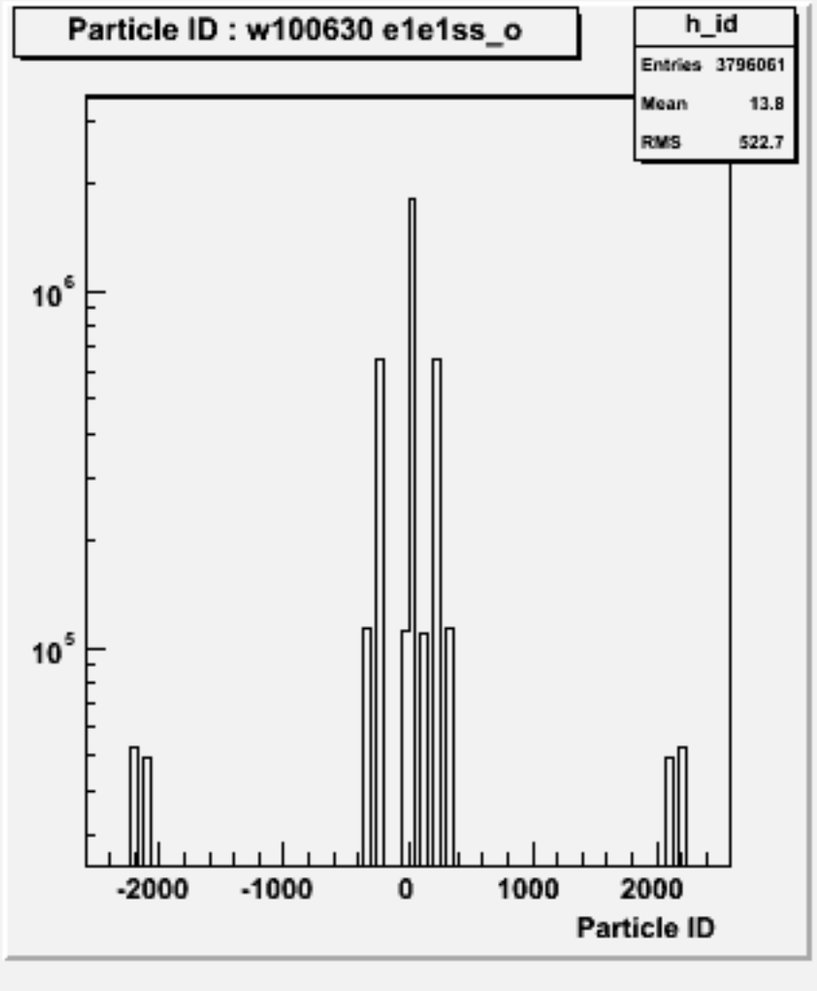

Jet mass for forced 2-jets : w100629 e1e1ss_o
h_j0mj1m
Entries 98470
Mean x 99.58
Mean y 54.5
RMS x 132.2
RMS y 50.56
Mass(jet2)
Mass(jet1)

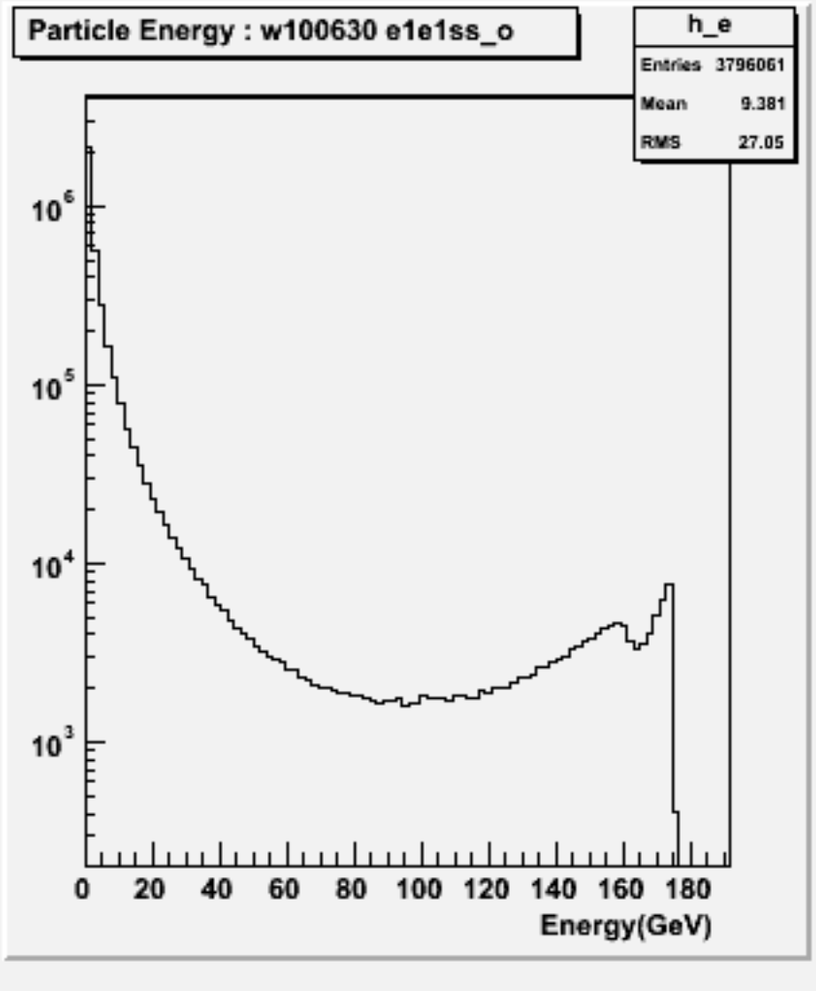

Ycut for 4-jets :w100629 e1e1ss_o
h_yc4j
Entries 82038
Mean 0.01694
RMS 0.05346
ycut for forced 4-jets

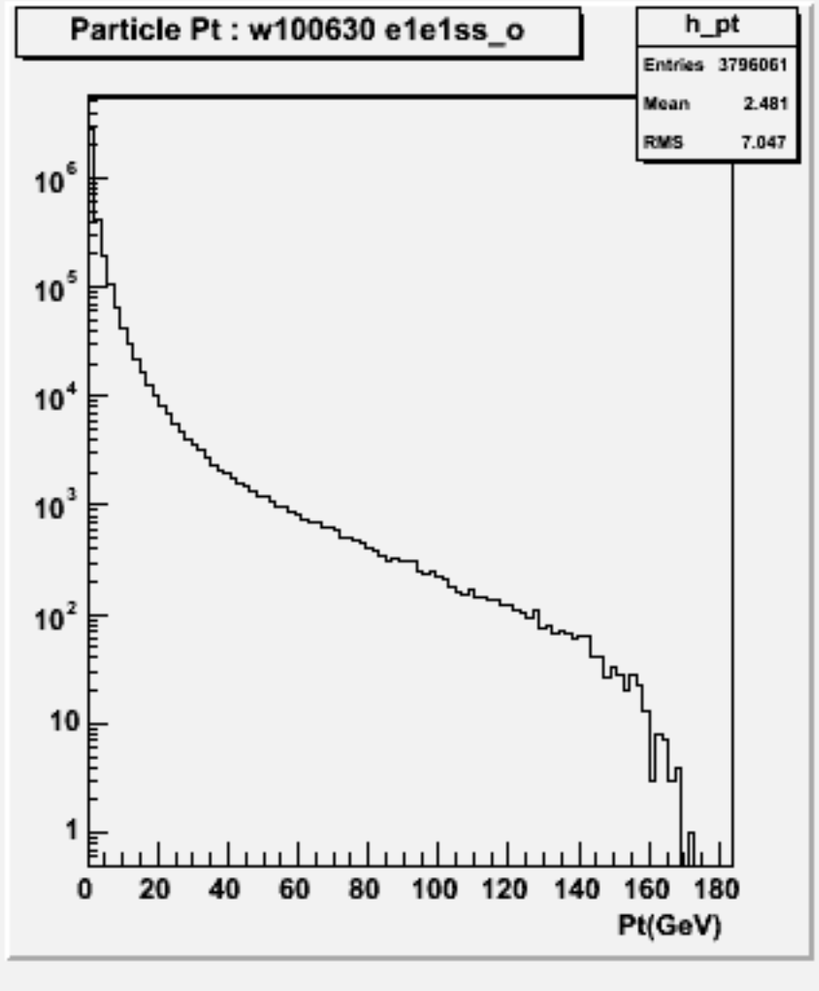

Jet energies(All jets)w100629 e1e1ss_o
ha_j0e
Entries 328152
Mean 85.96
RMS 59.4
E(Jet)

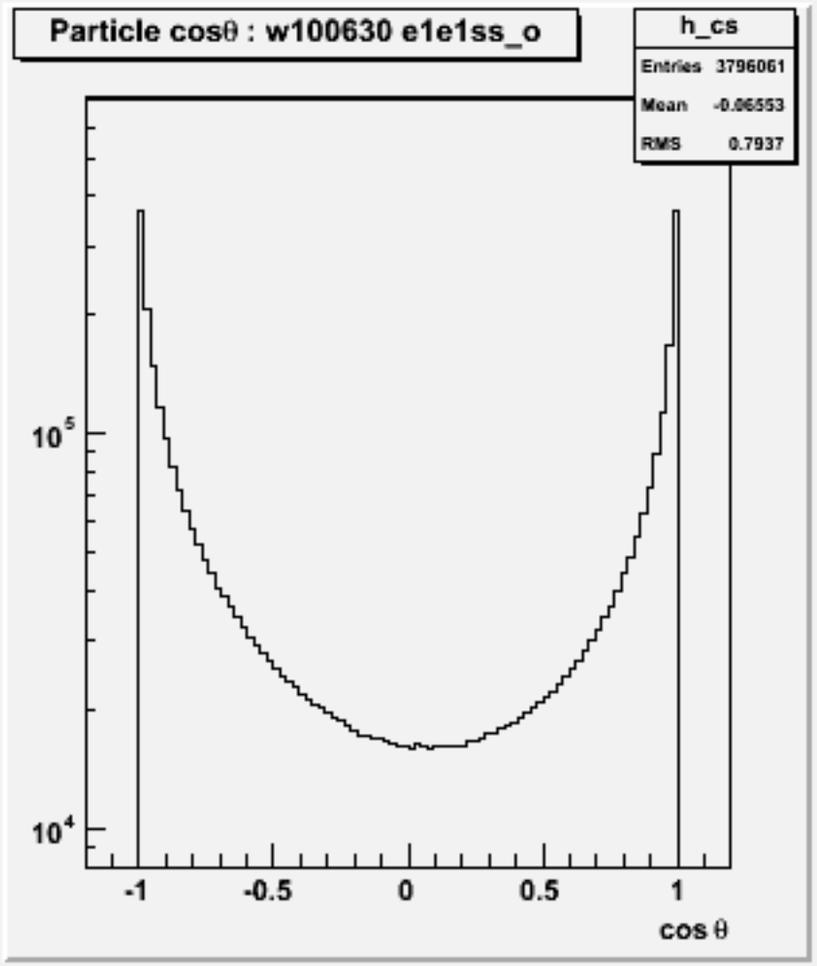

Jet cosθ (All jets)w100629 e1e1ss_o
ha_j0cs
Entries 328152
Mean 0.09375
RMS 0.8432
cos θ

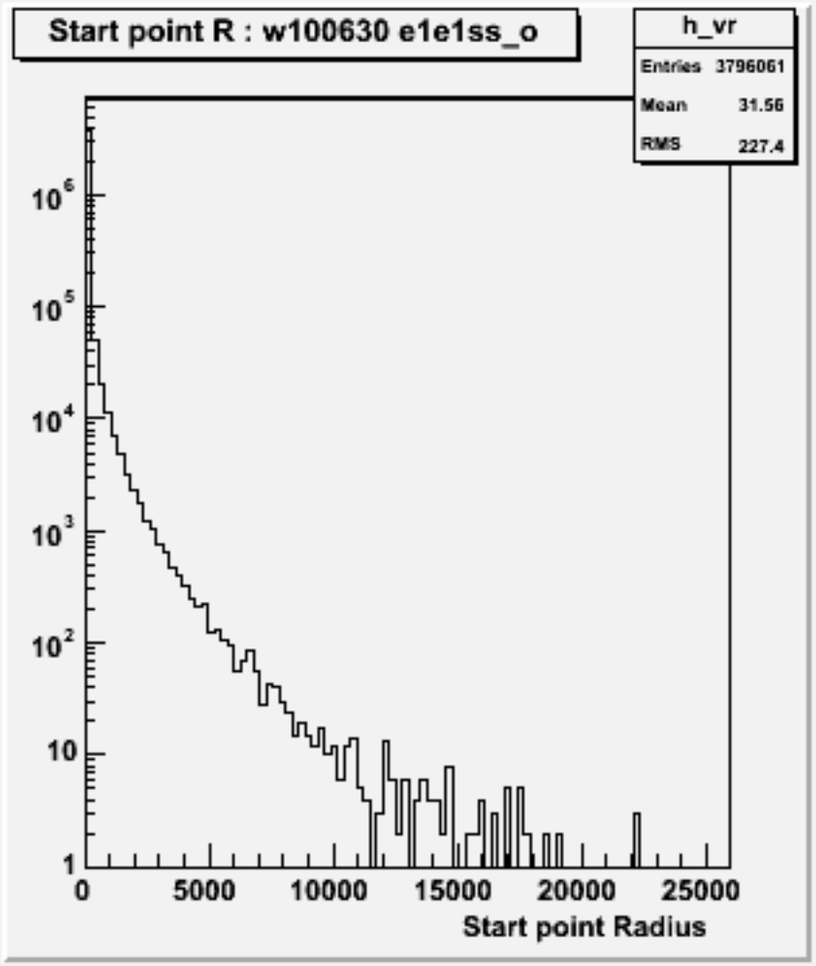

2jets mass(All comb)w100629 e1e1ss_o
ha_m01
Entries 492228
Mean 111.9
RMS 90.49
M(J_iJ_k) (GeV)

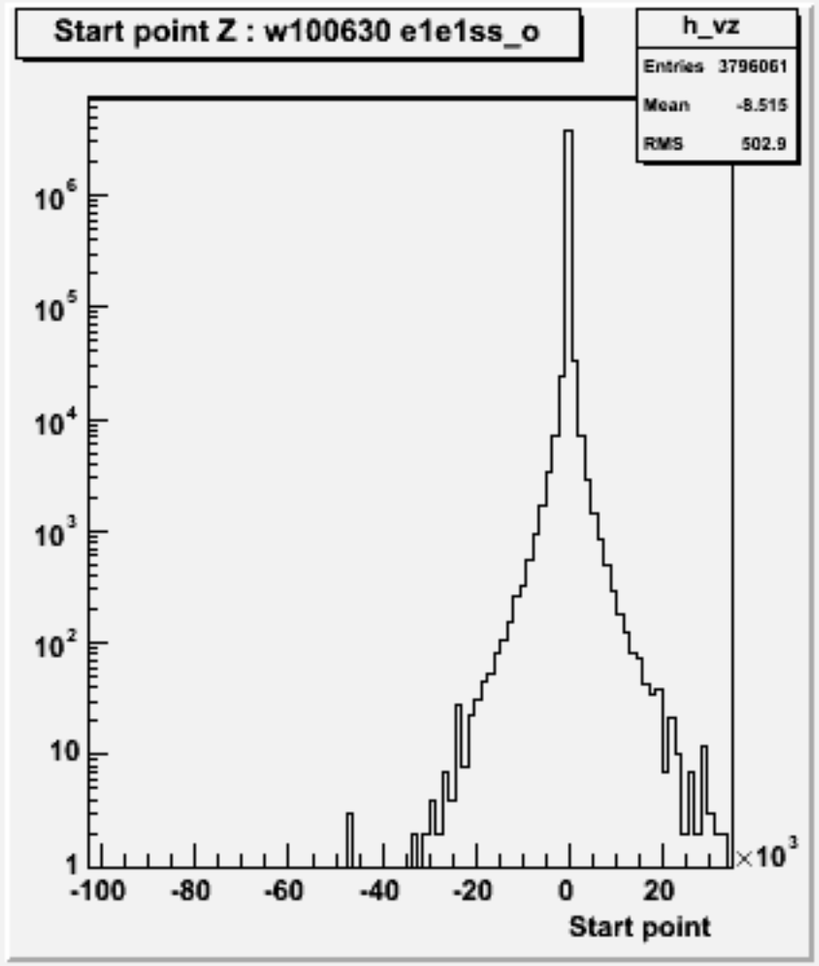

Particle ID : w100630 e1e1ss_o
h_id
Entries 3796061
Mean 13.8
RMS 522.7
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

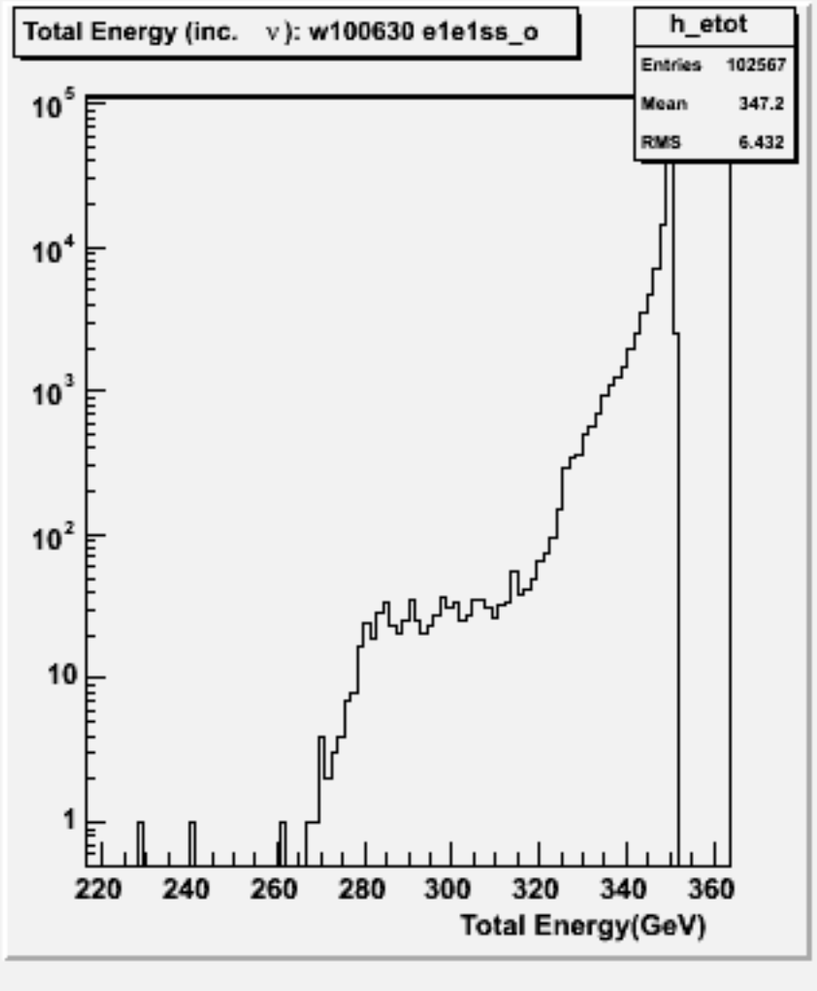

Particle Energy : w100630 e1e1ss_o
h_e
Entries 3796061
Mean 9.381
RMS 27.05
10^6
10^5
10^4
10^3
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

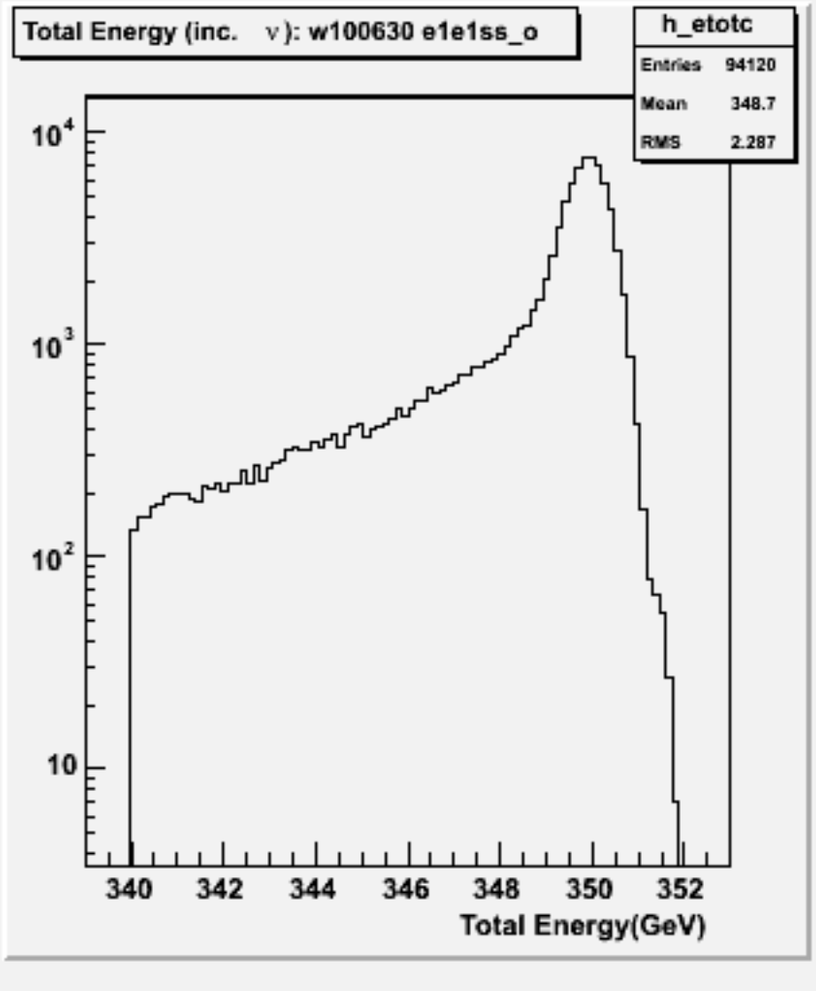

Particle Pt : w100630 e1e1ss_o
h_pt
Entries 3796061
Mean 2.481
RMS 7.047
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

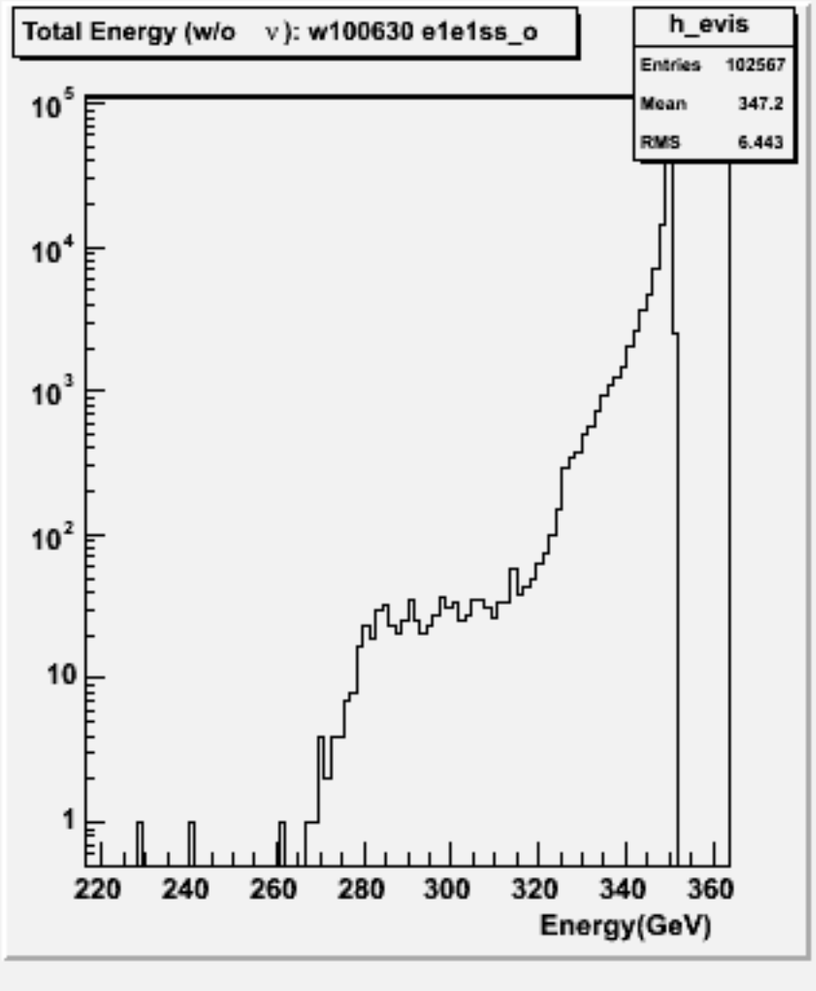

Particle cosθ : w100630 e1e1ss_o
h_cs
Entries 3796061
Mean -0.06553
RMS 0.7937
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

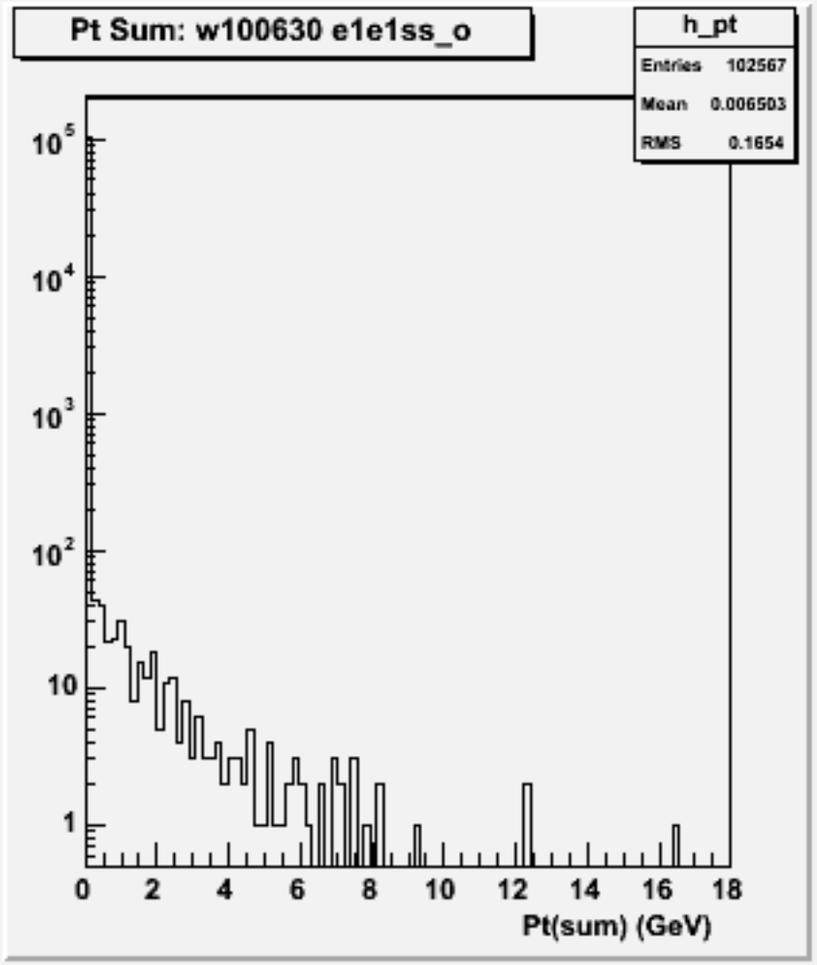

Start point R : w100630 e1e1ss_o
h_vr
Entries 3796061
Mean 31.56
RMS 227.4
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

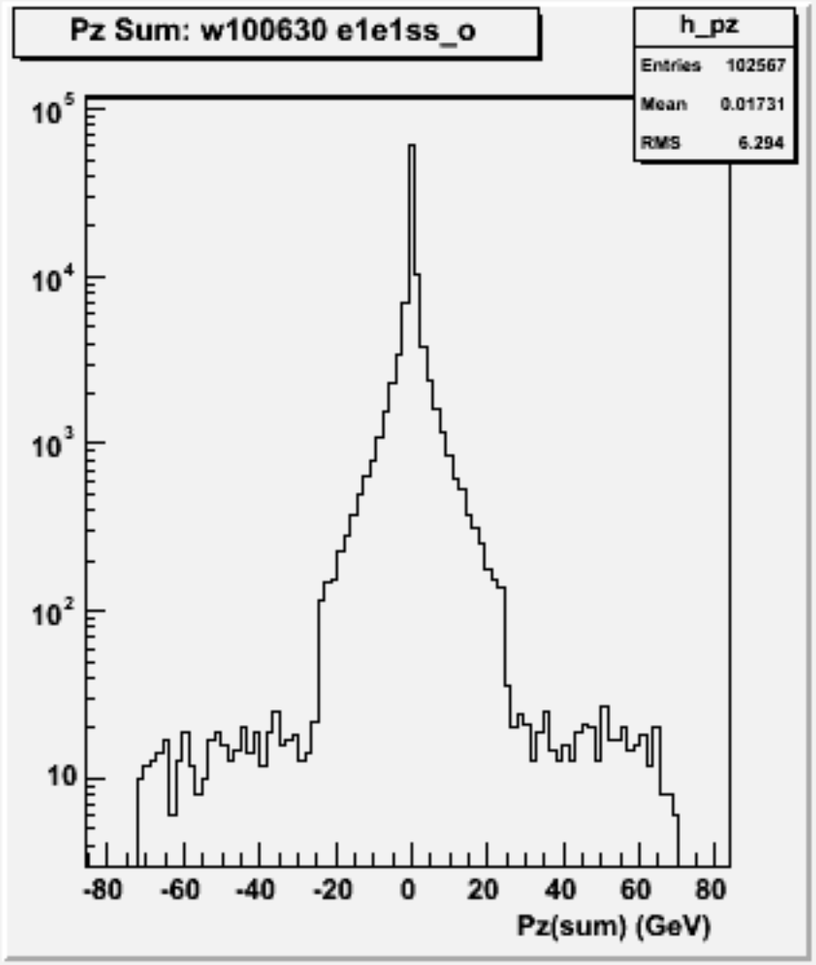

Start point Z : w100630 e1e1ss_o
h_vz
Entries 3796061
Mean -8.515
RMS 502.9
10^6
10^5
10^4
10^3
10^2
10
1
-100
-80
-60
-40
-20
0
20
$\times 10^3$
Start point

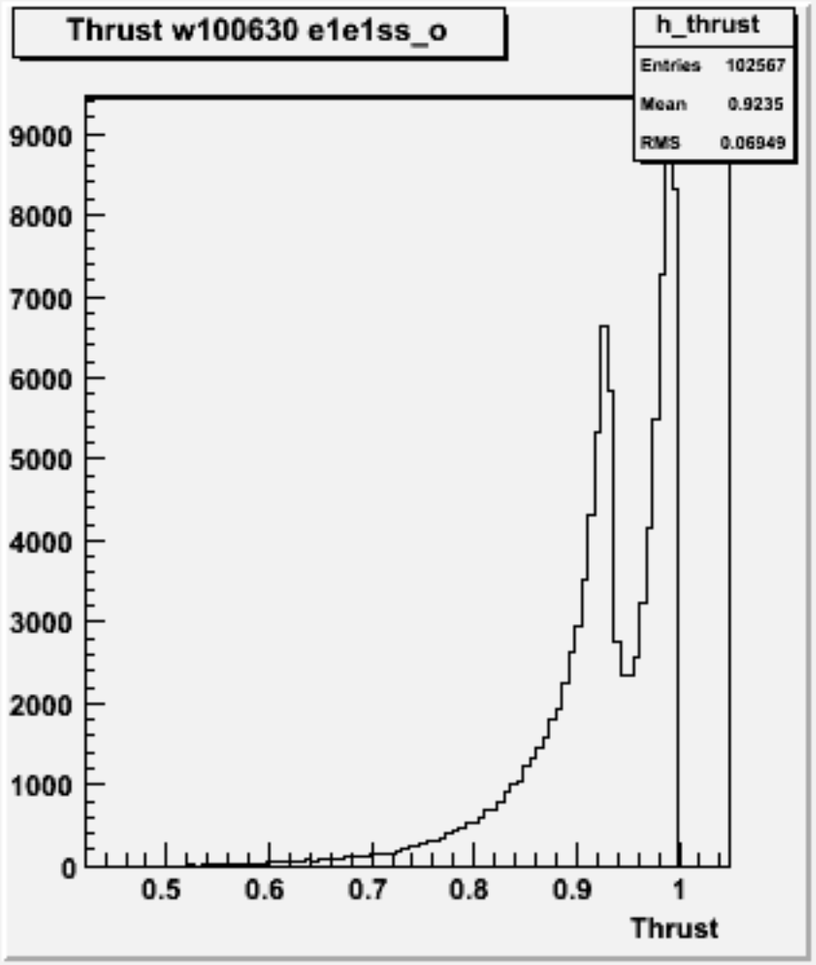

Total Energy (inc. ν): w100630 e1e1ss_o
h_etot
Entries 102567
Mean 347.2
RMS 6.432
Total Energy(GeV)

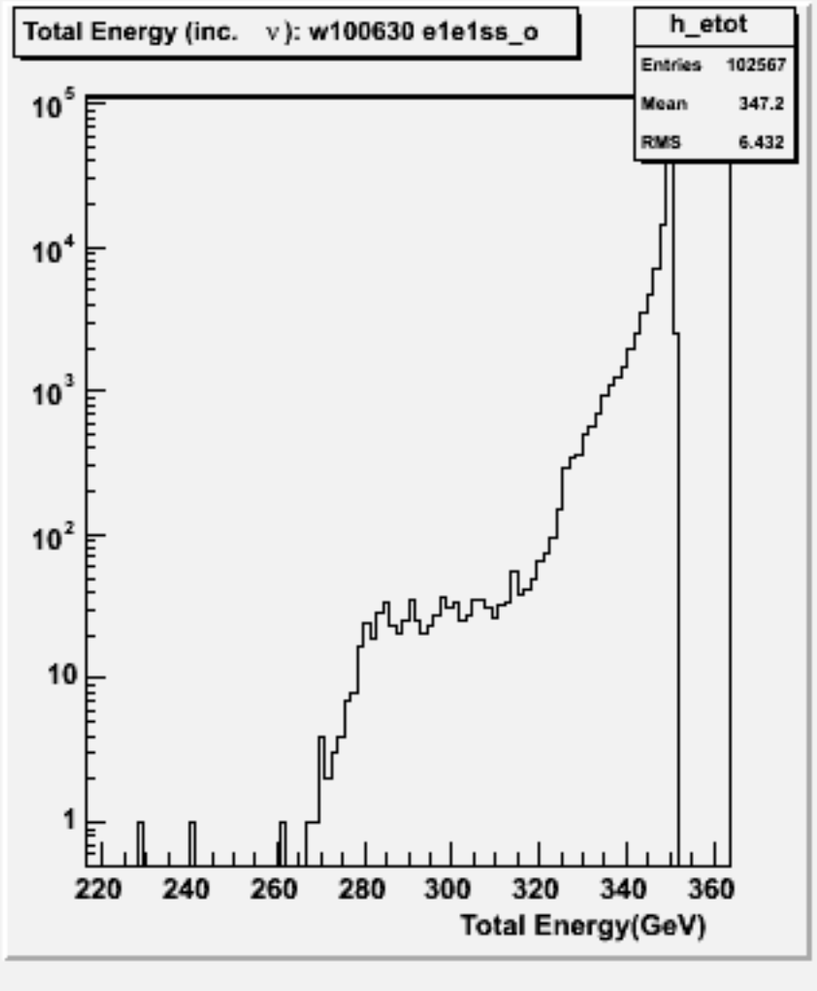

Total Energy (inc. ν): w100630 e1e1ss_o
h_etotc
Entries 94120
Mean 348.7
RMS 2.287
Total Energy(GeV)

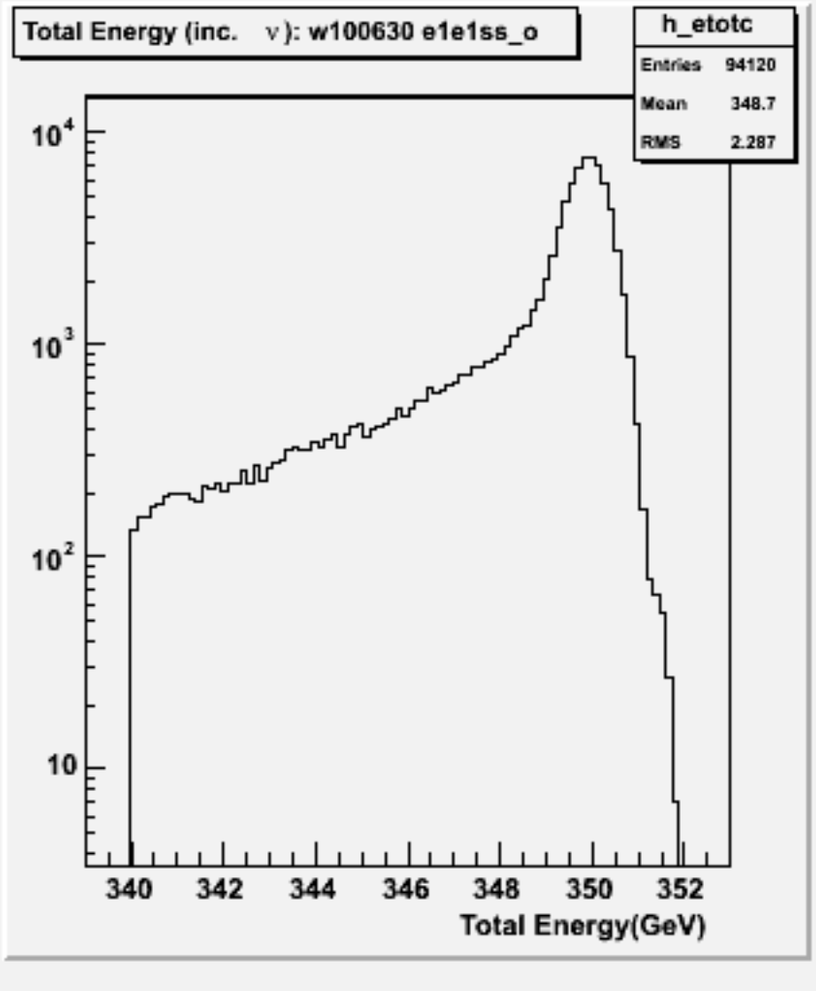

Total Energy (w/o ν): w100630 e1e1ss_o
h_evis
Entries 102567
Mean 347.2
RMS 6.443
Energy(GeV)

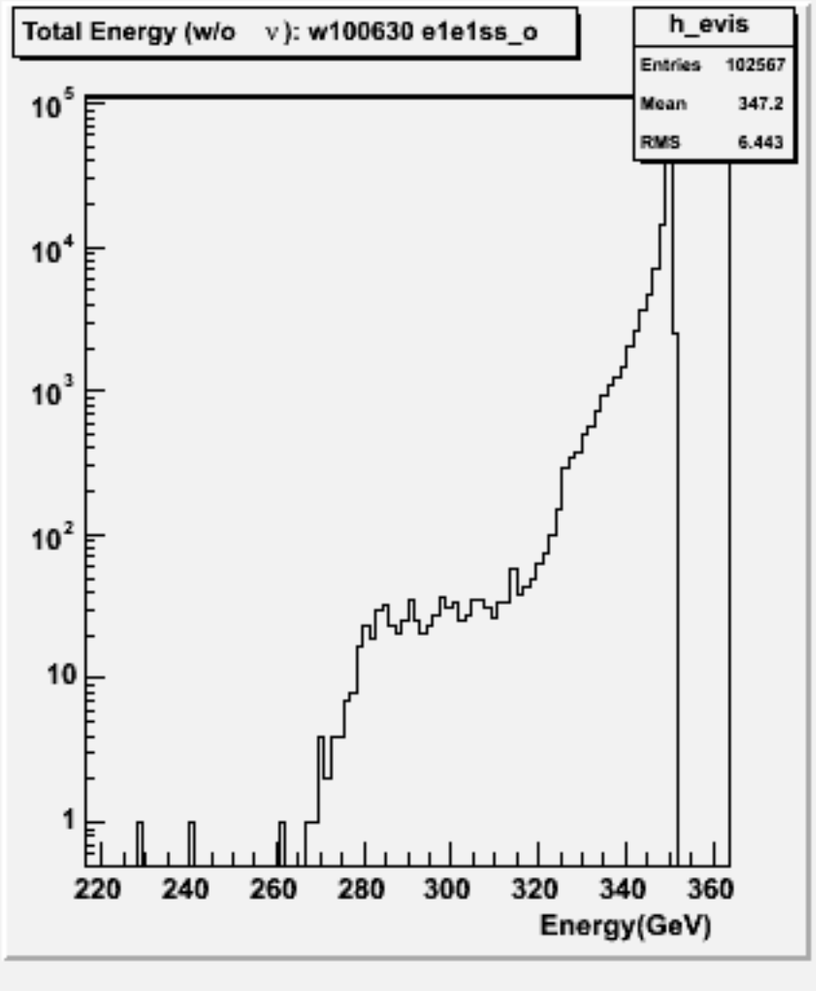

Pt Sum: w100630 e1e1ss_o
h_pt
Entries 102567
Mean 0.006503
RMS 0.1654
Pt(sum) (GeV)

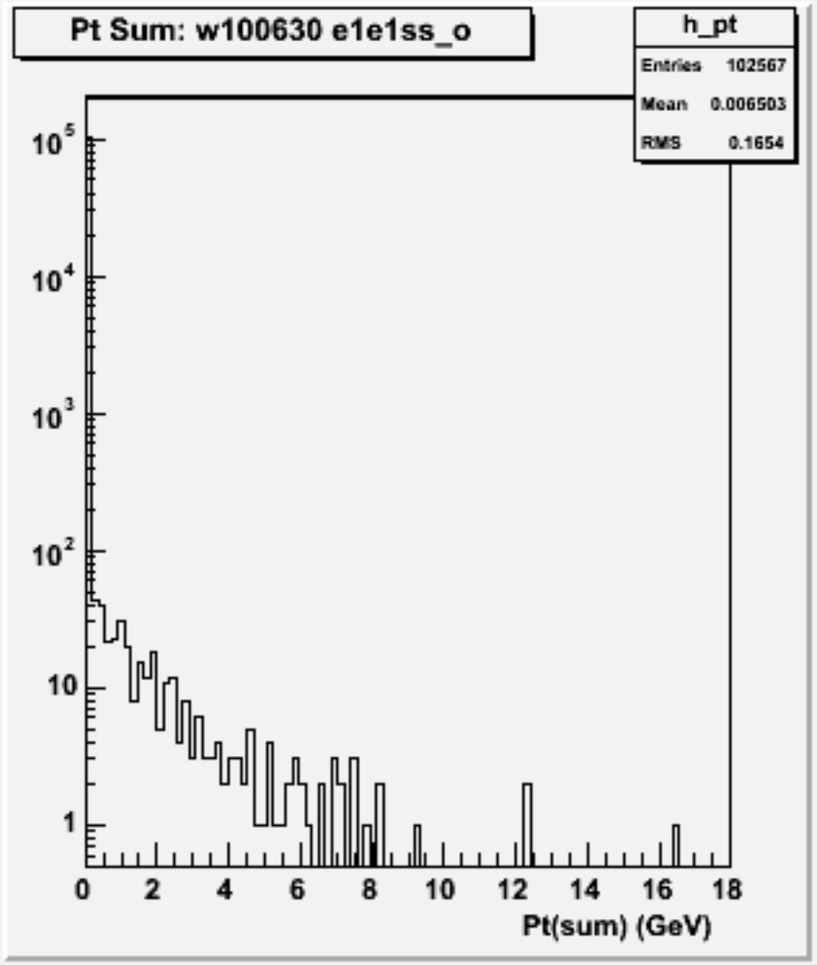

Pz Sum: w100630 e1e1ss_o
h_pz
Entries 102567
Mean 0.01731
RMS 6.294
Pz(sum) (GeV)

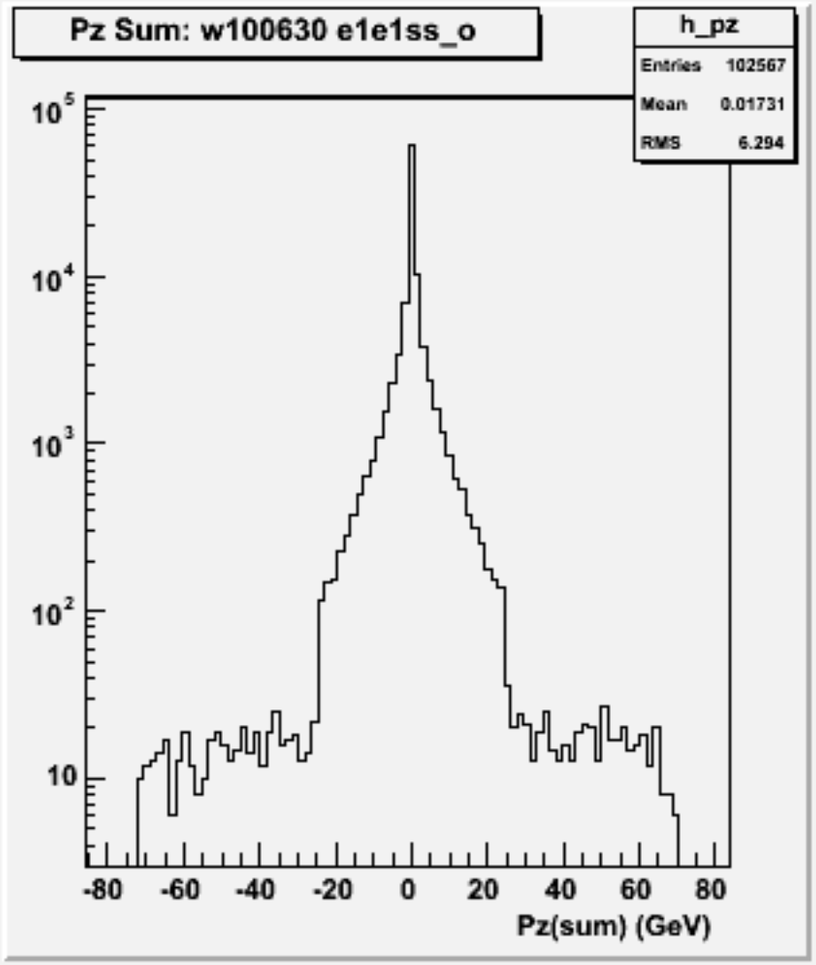

Thrust w100630 e1e1ss_o
h_thrust
Entries 102567
Mean 0.9235
RMS 0.06949
Thrust

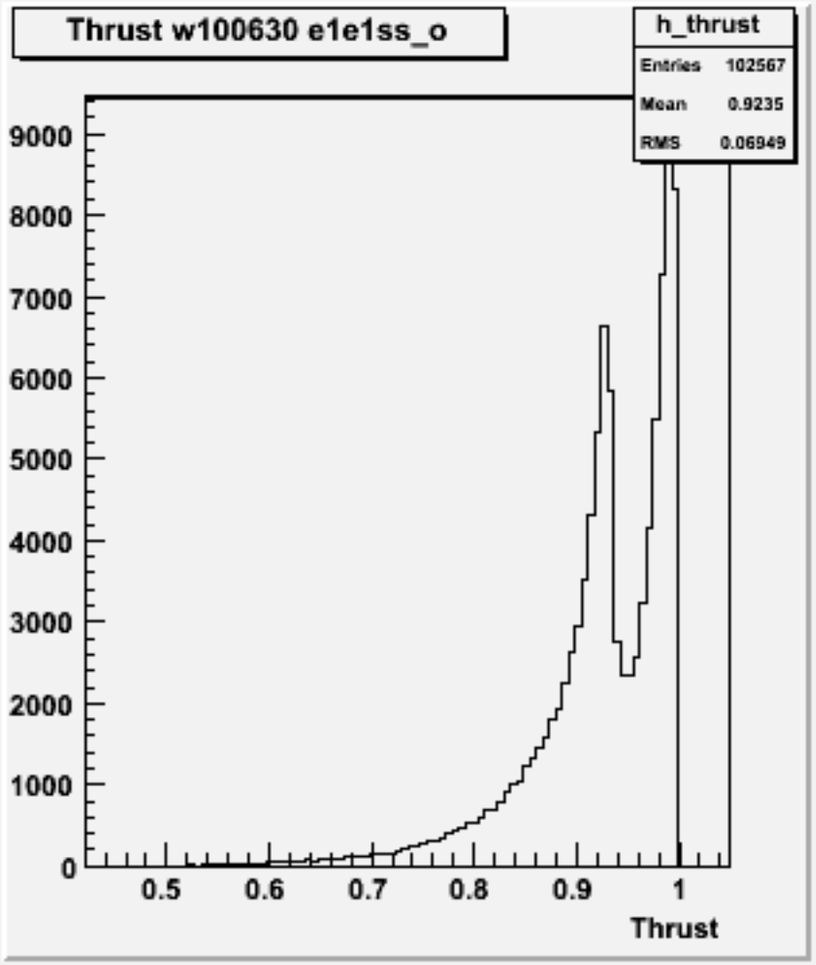

Total Energy (inc. ν): w100630 e1e1ss_o
h_etot
Entries 102567
Mean 347.2
RMS 6.432
Total Energy(GeV)

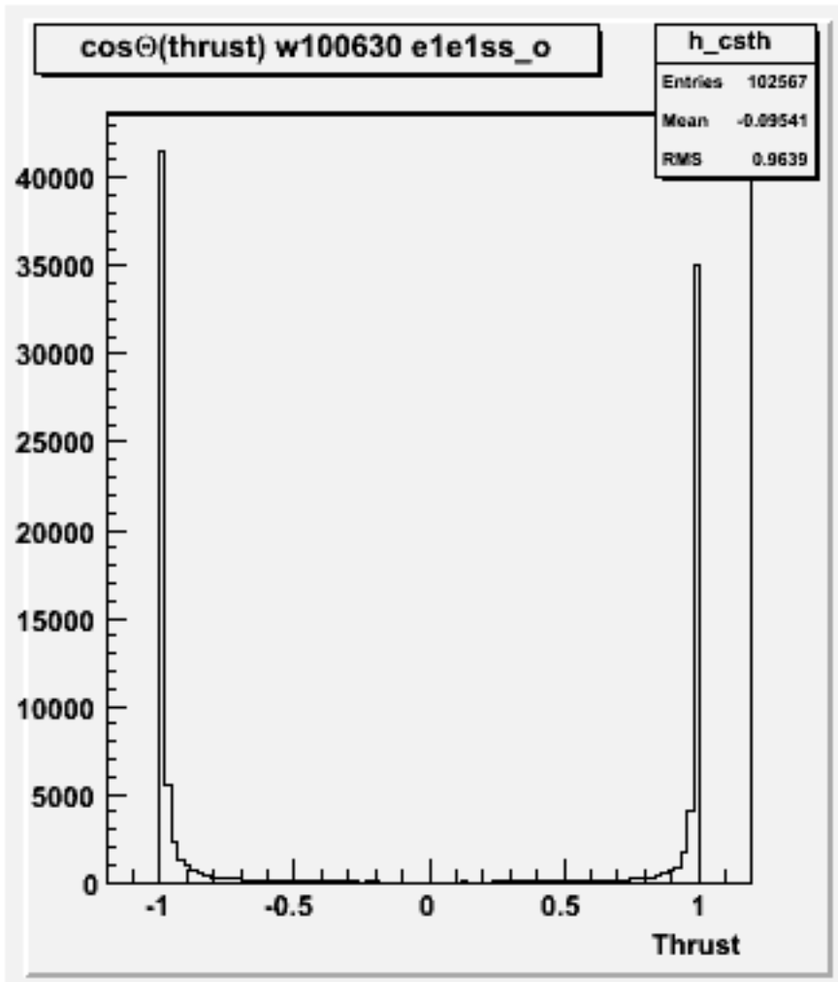

Total Energy (inc. ν): w100630 e1e1ss_o
h_etotc
Entries 94120
Mean 348.7
RMS 2.287
Total Energy(GeV)

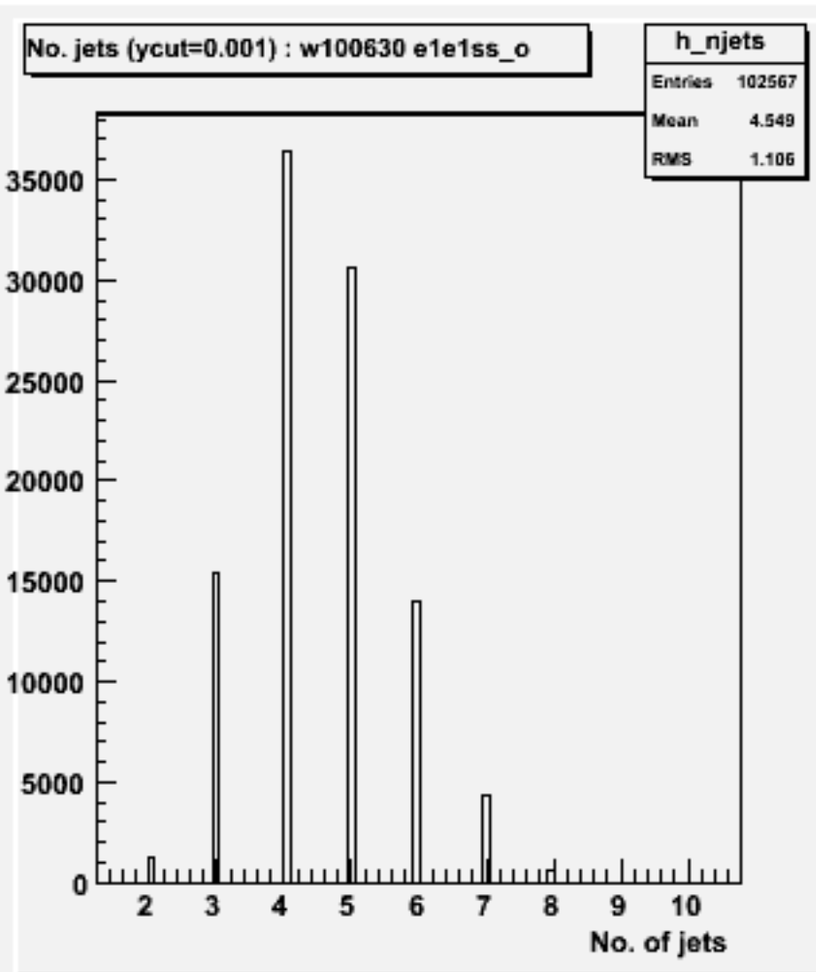

Total Energy (w/o ν): w100630 e1e1ss_o
h_evis
Entries 102567
Mean 347.2
RMS 6.443
Energy(GeV)

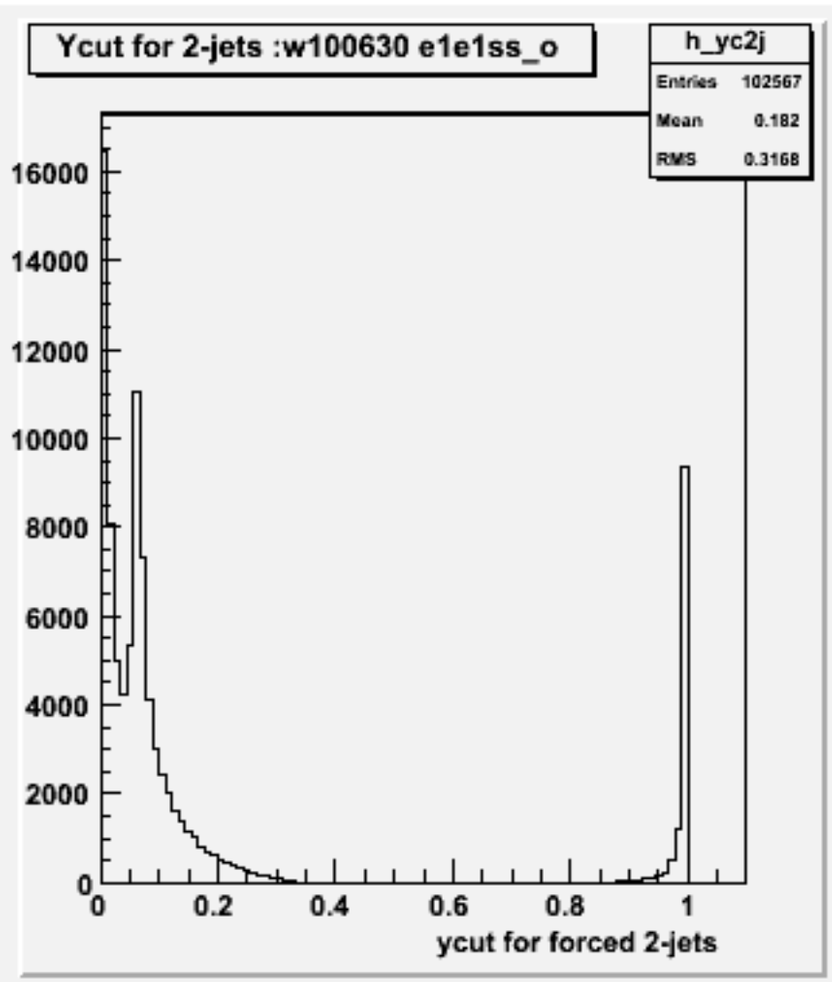

Pt Sum: w100630 e1e1ss_o
h_pt
Entries 102567
Mean 0.006503
RMS 0.1654
Pt(sum) (GeV)

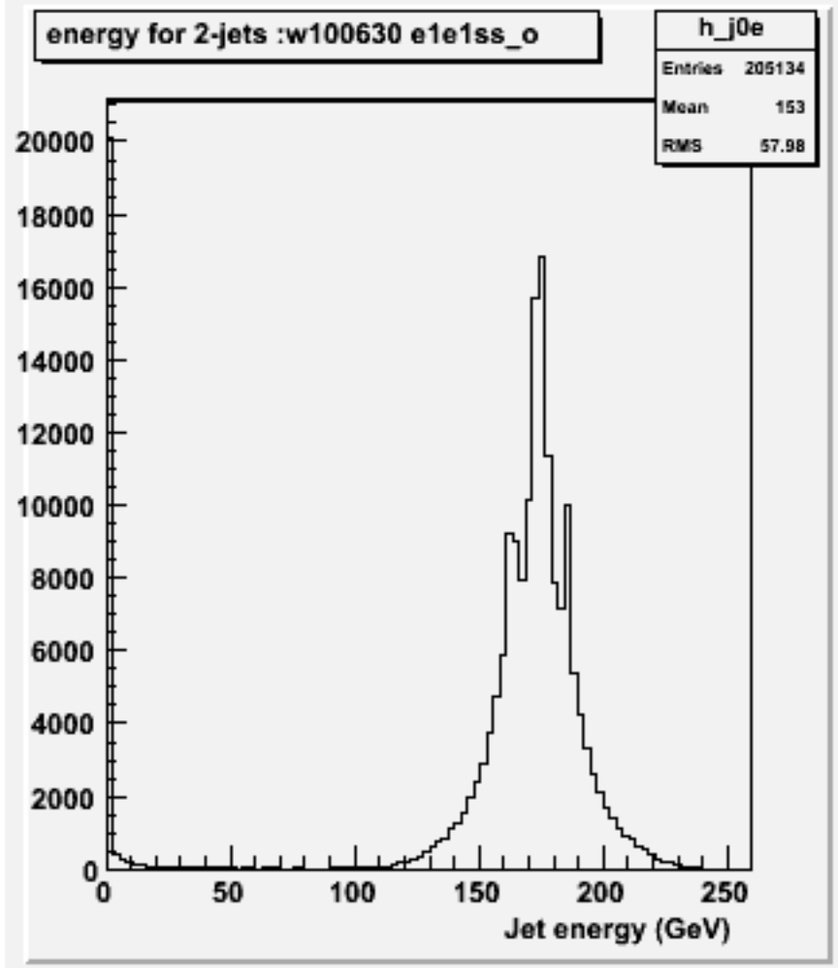

Pz Sum: w100630 e1e1ss_o
h_pz
Entries 102567
Mean 0.01731
RMS 6.294
Pz(sum) (GeV)

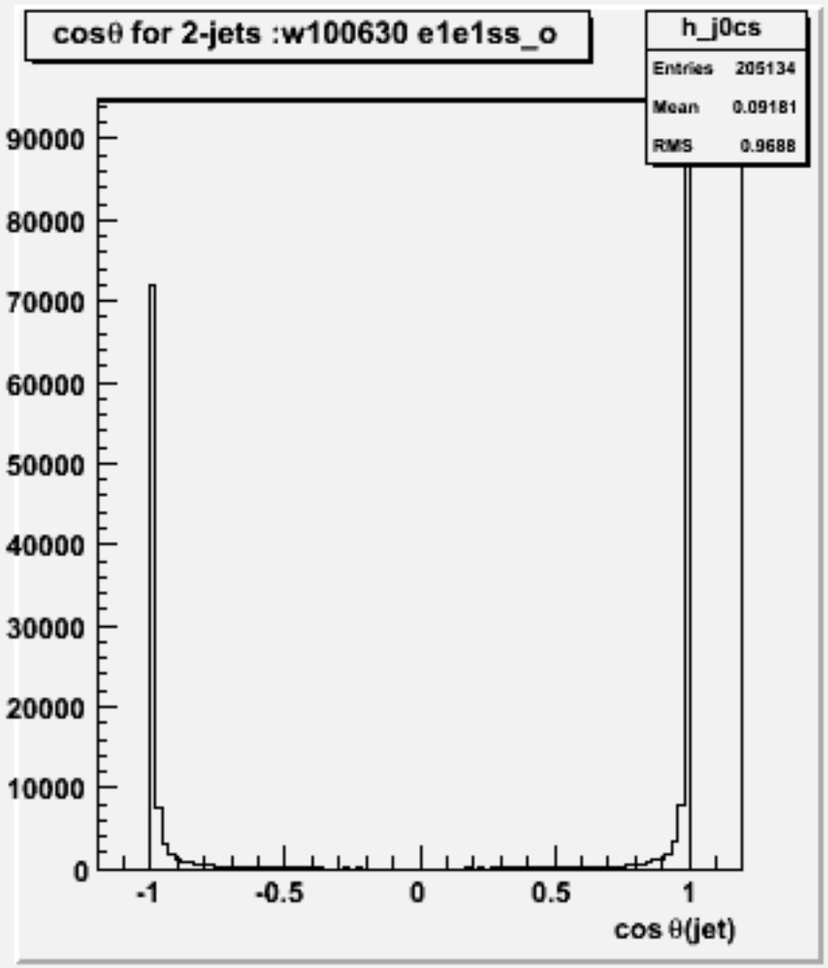

Thrust w100630 e1e1ss_o
h_thrust
Entries 102567
Mean 0.9235
RMS 0.06949
Thrust

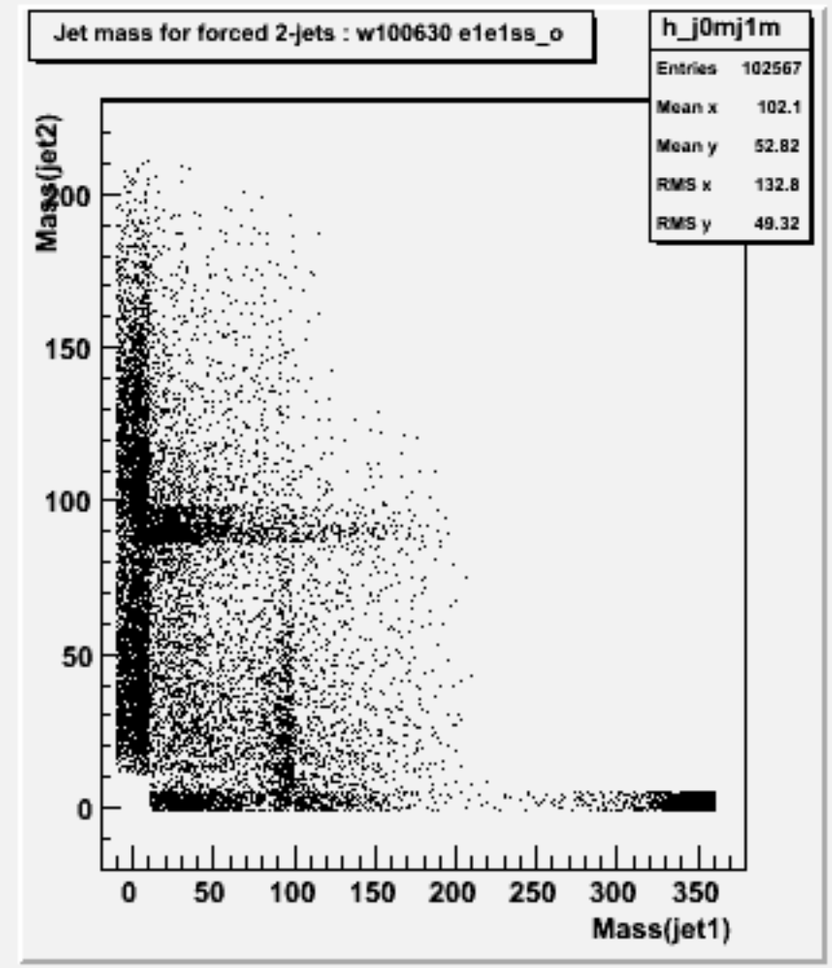

cosΘ(thrust) w100630 e1e1ss_o
h_csth
Entries 102567
Mean -0.09541
RMS 0.9639
Thrust

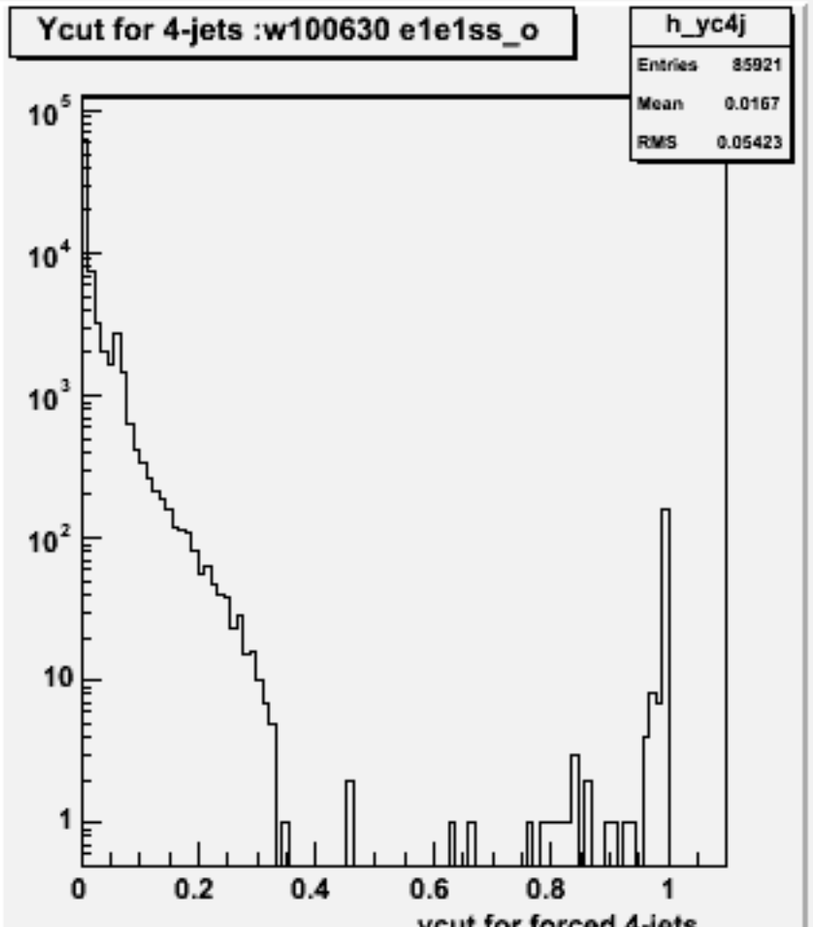

No. jets (ycut=0.001) : w100630 e1e1ss_o
h_njets
Entries 102567
Mean 4.549
RMS 1.106
No. of jets

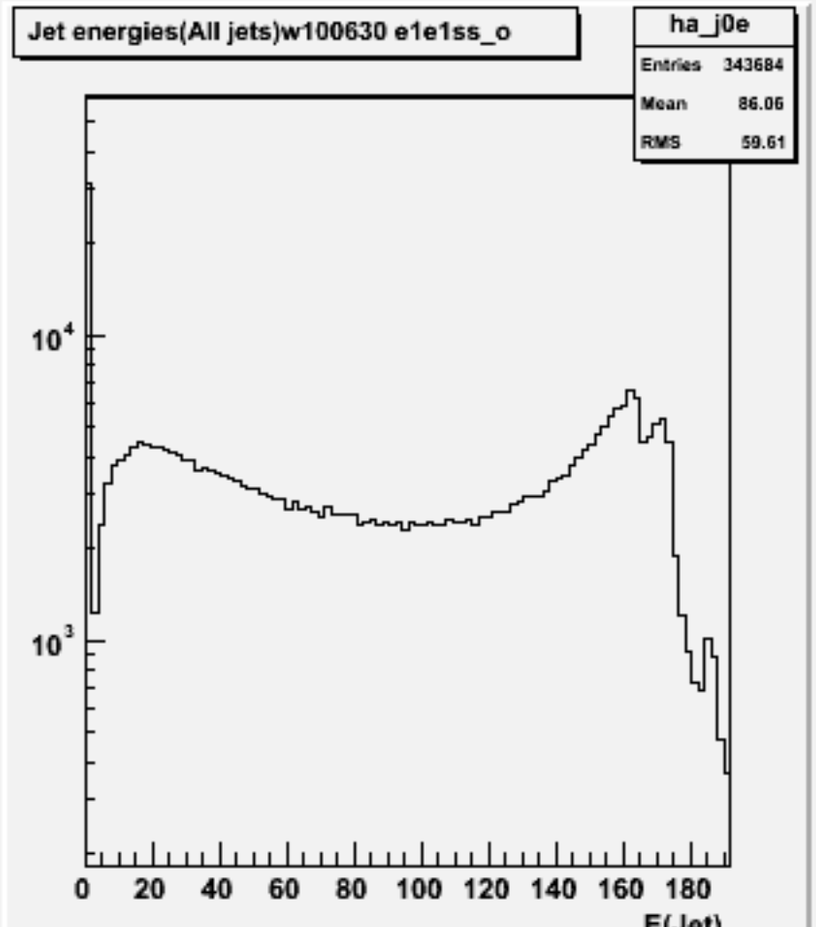

Ycut for 2-jets :w100630 e1e1ss_o
h_yc2j
Entries 102567
Mean 0.182
RMS 0.3168
ycut for forced 2-jets

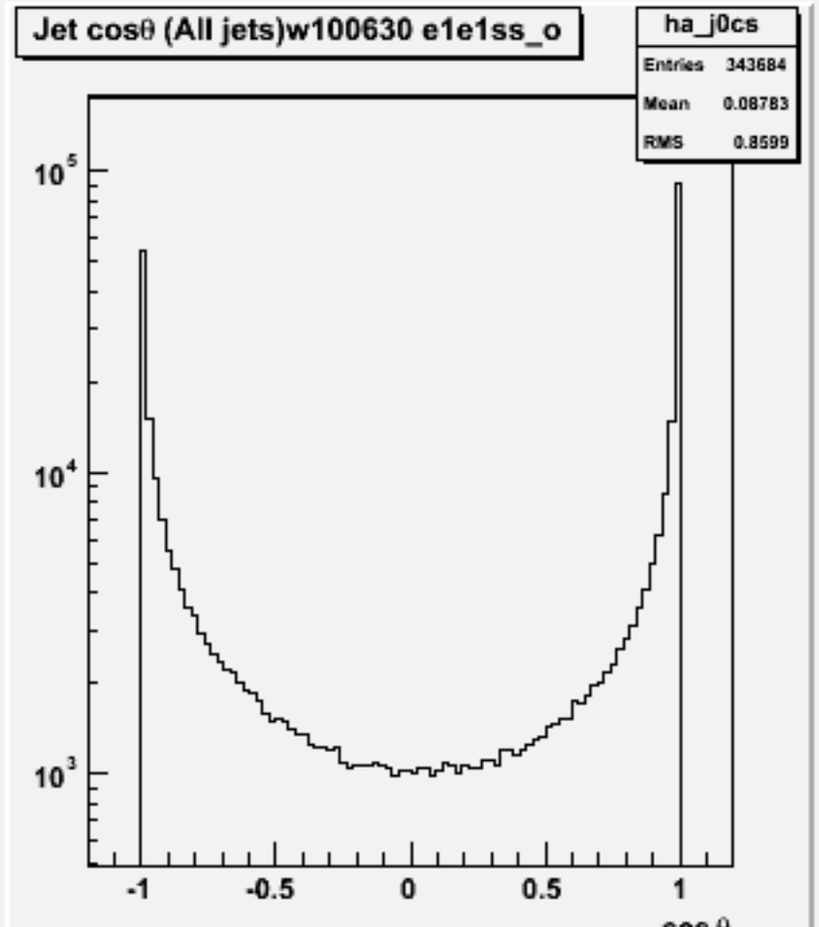

energy for 2-jets :w100630 e1e1ss_o
h_j0e
Entries 205134
Mean 153
RMS 57.98
Jet energy (GeV)

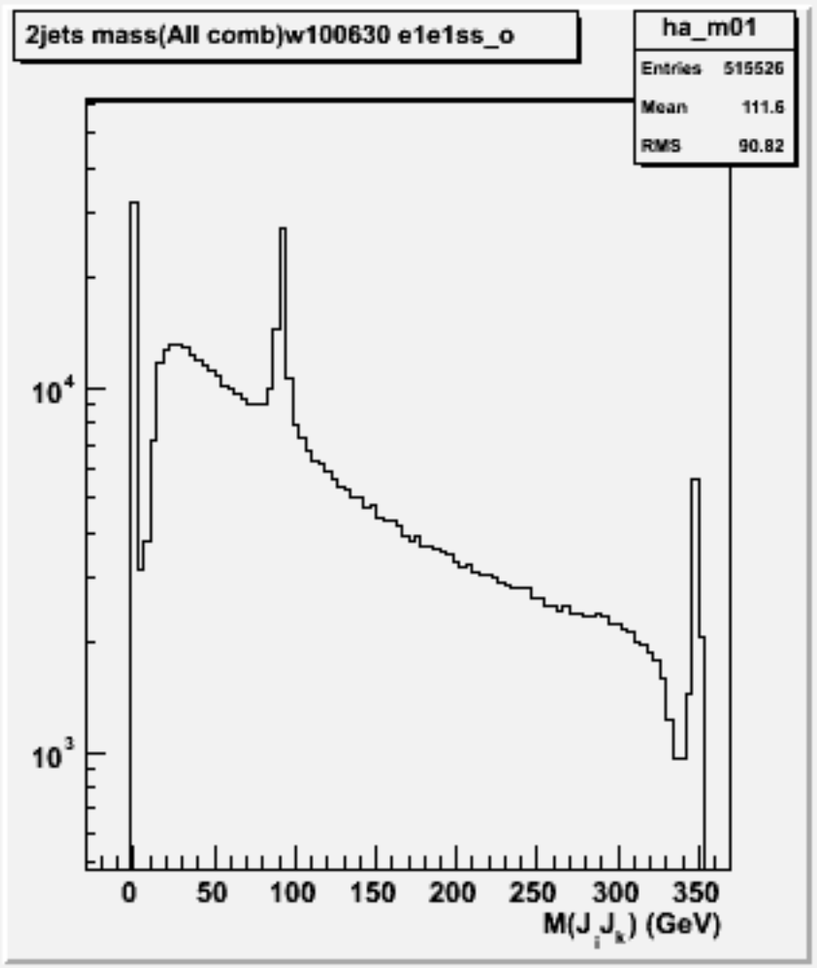

cosθ for 2-jets :w100630 e1e1ss_o
h_j0cs
Entries 205134
Mean 0.09181
RMS 0.9688
cos θ(jet)

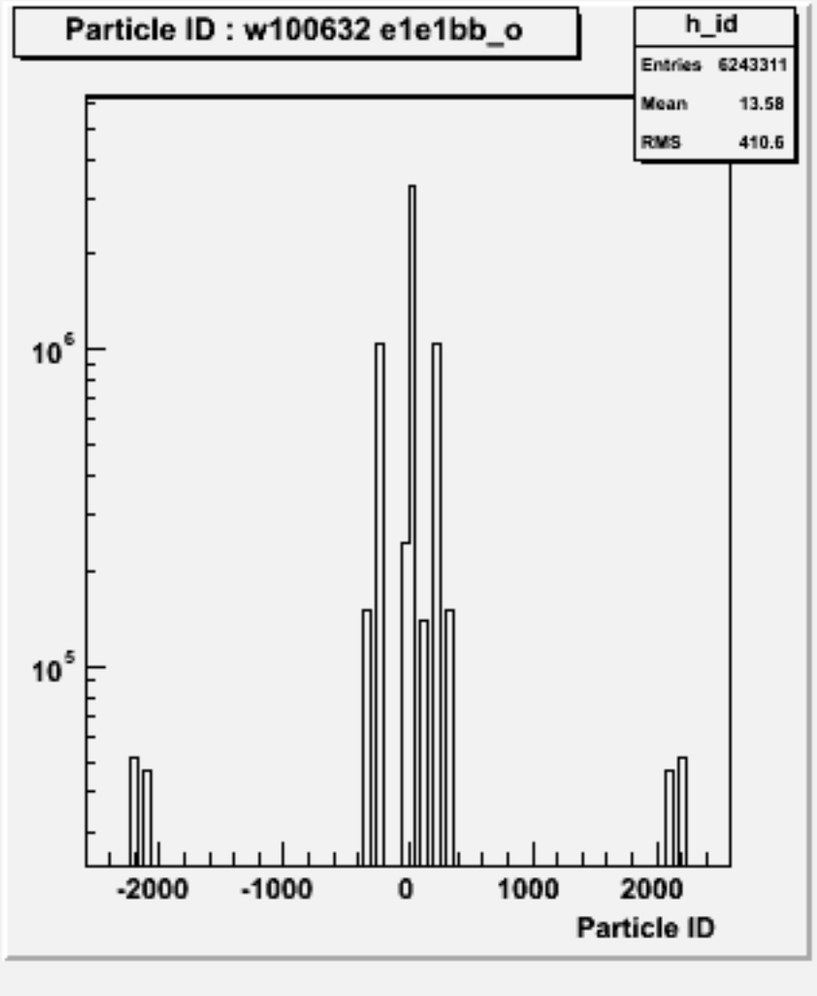

Jet mass for forced 2-jets : w100630 e1e1ss_o
h_j0mj1m
Entries 102567
Mean x 102.1
Mean y 52.82
RMS x 132.8
RMS y 49.32
Mass(jet2)
Mass(jet1)

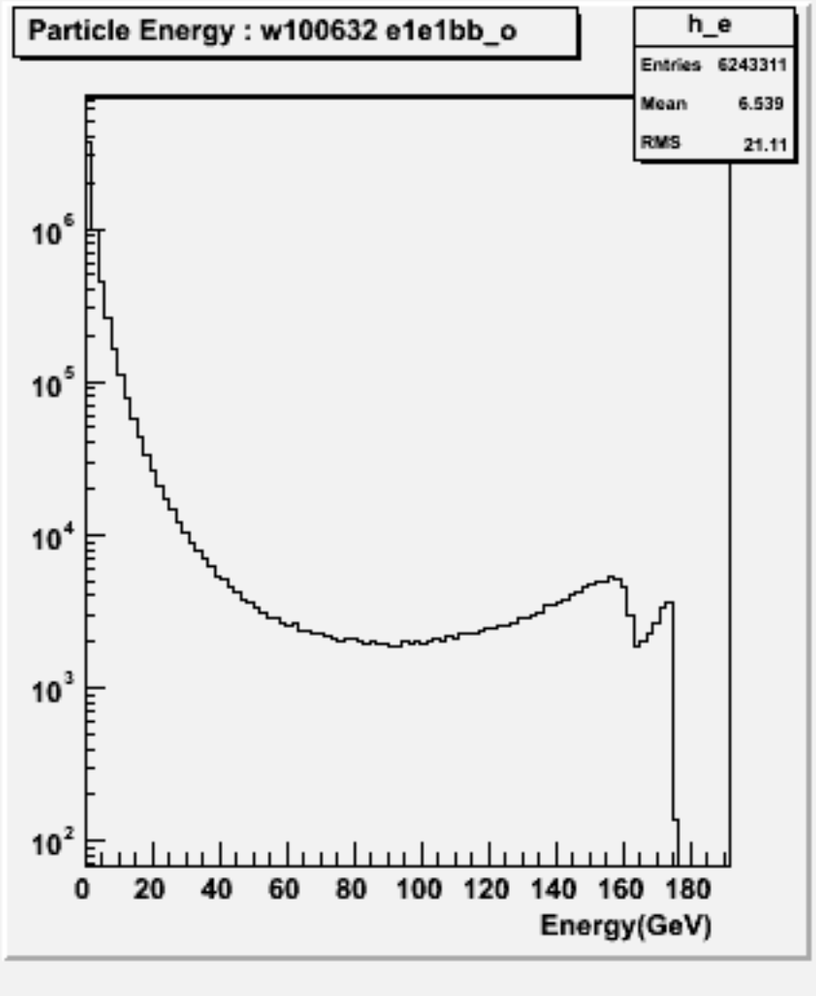

Ycut for 4-jets :w100630 e1e1ss_o
h_yc4j
Entries 85921
Mean 0.0167
RMS 0.05423
ycut for forced 4-jets

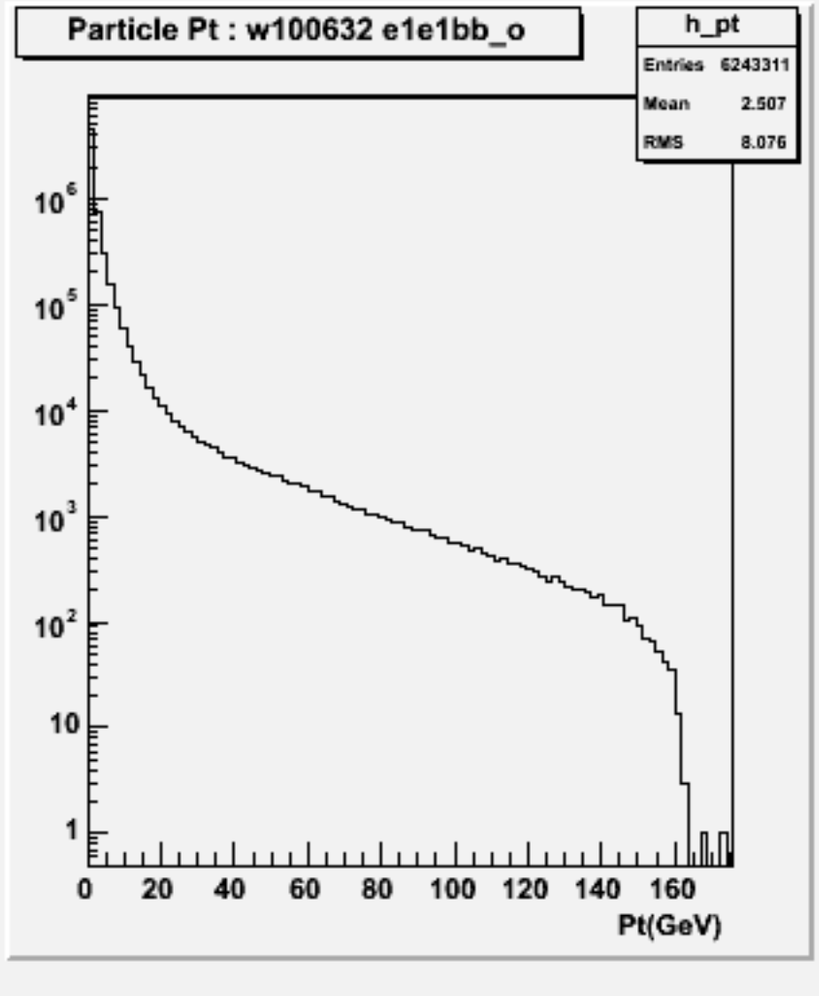

Jet energies(All jets)w100630 e1e1ss_o
ha_j0e
Entries 343684
Mean 86.06
RMS 59.61
E(Jet)

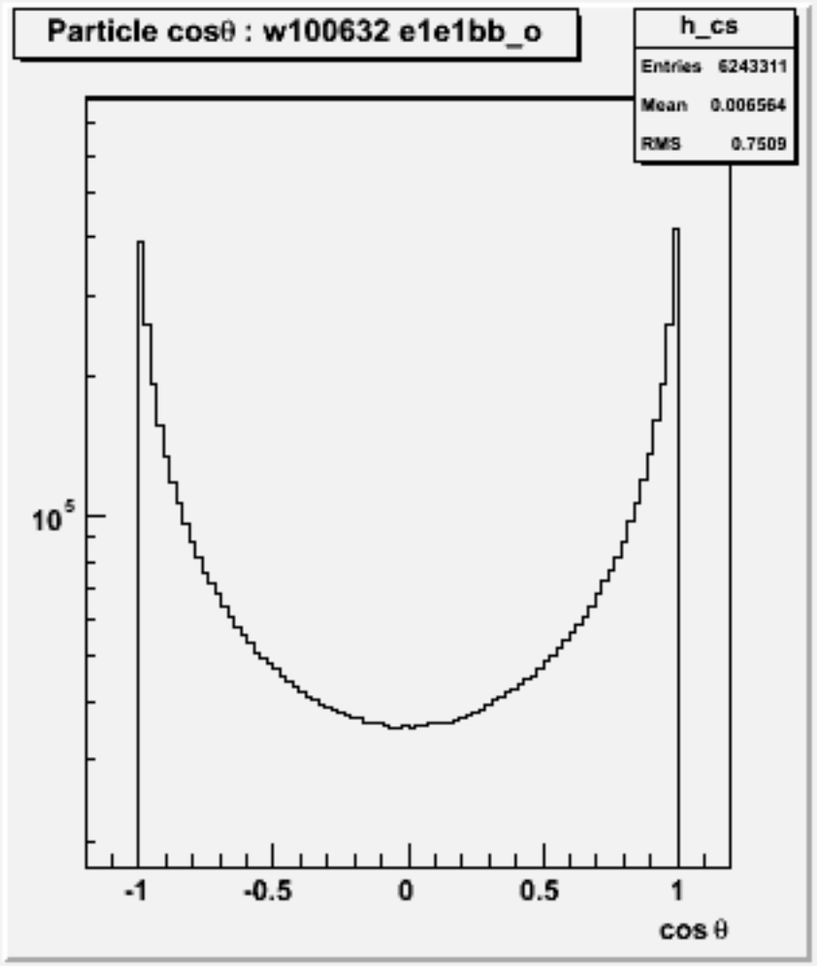

Jet cosθ (All jets)w100630 e1e1ss_o
ha_j0cs
Entries 343684
Mean 0.08783
RMS 0.8599
cos θ

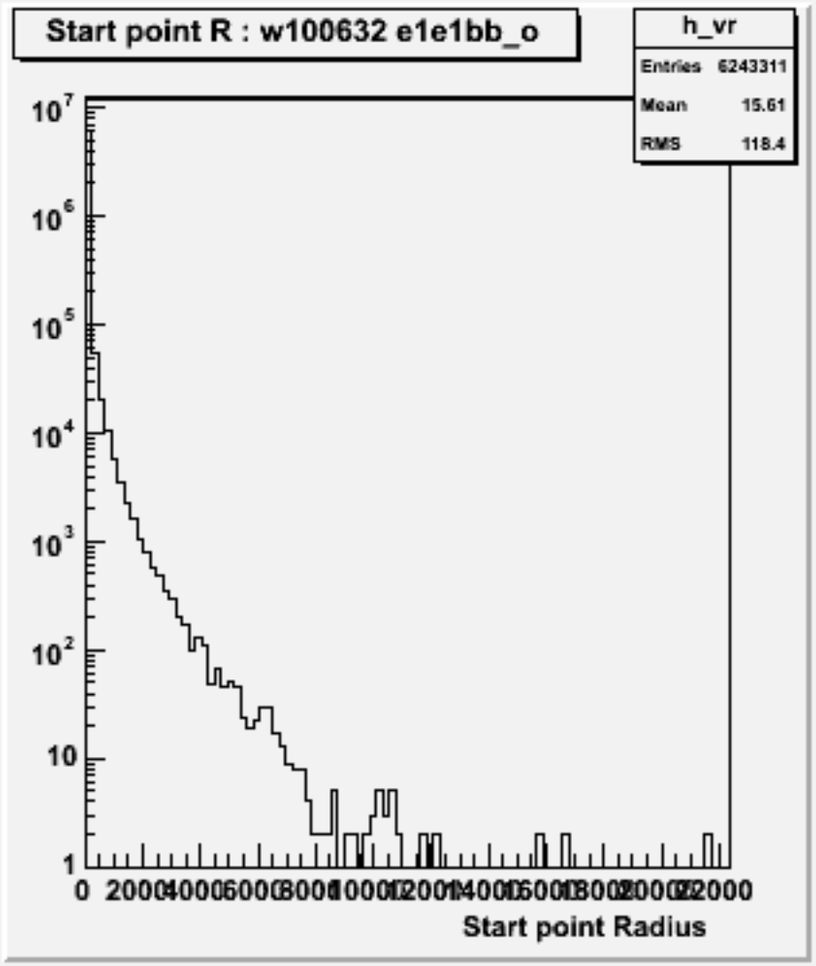

2jets mass(All comb)w100630 e1e1ss_o
ha_m01
Entries 515526
Mean 111.6
RMS 90.82
M(J_iJ_k) (GeV)

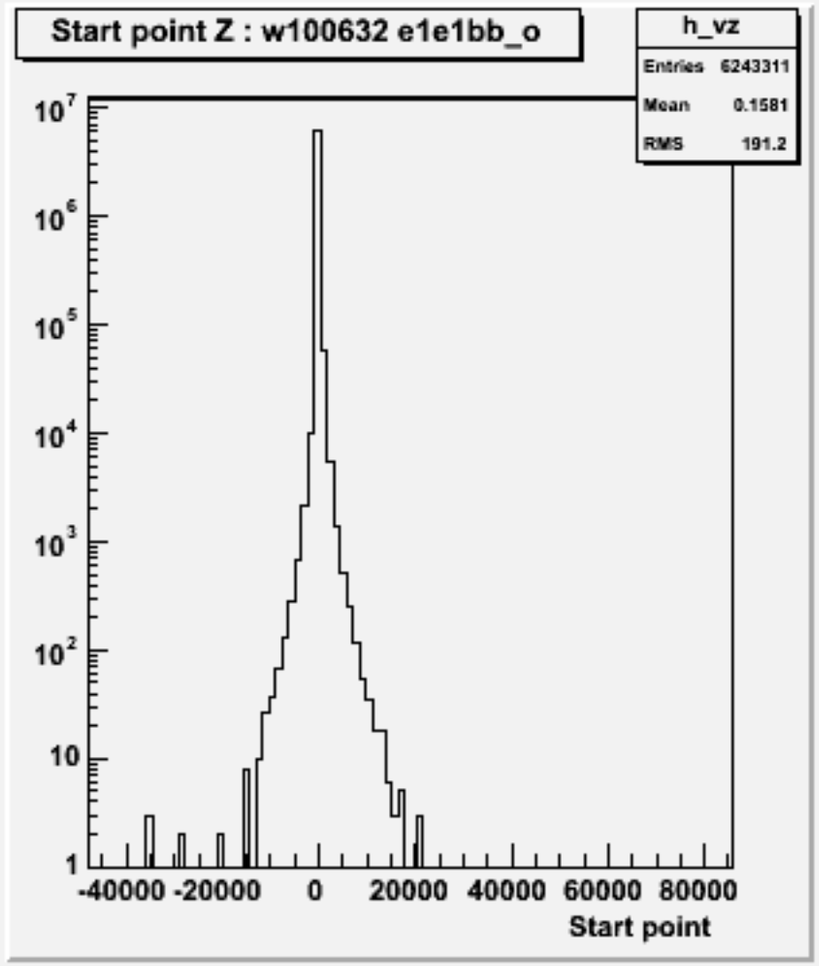

Particle ID : w100632 e1e1bb_o
h_id
Entries 6243311
Mean 13.58
RMS 410.6
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

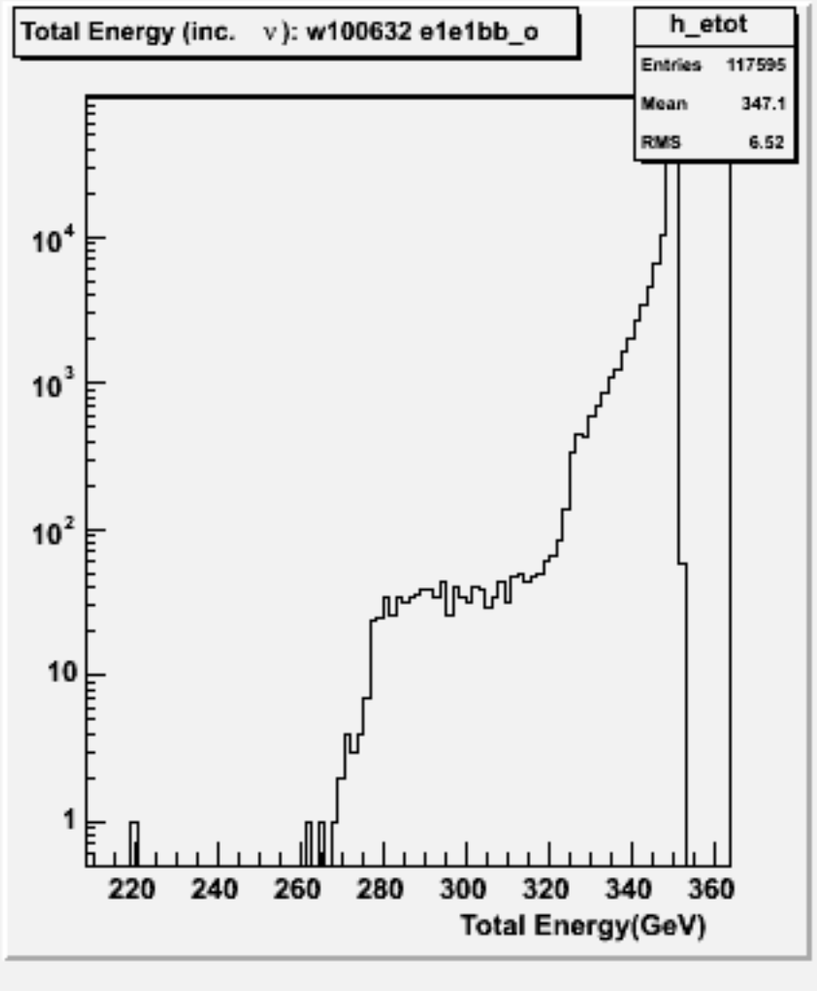

Particle Energy : w100632 e1e1bb_o
h_e
Entries 6243311
Mean 6.539
RMS 21.11
10^6
10^5
10^4
10^3
10^2
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

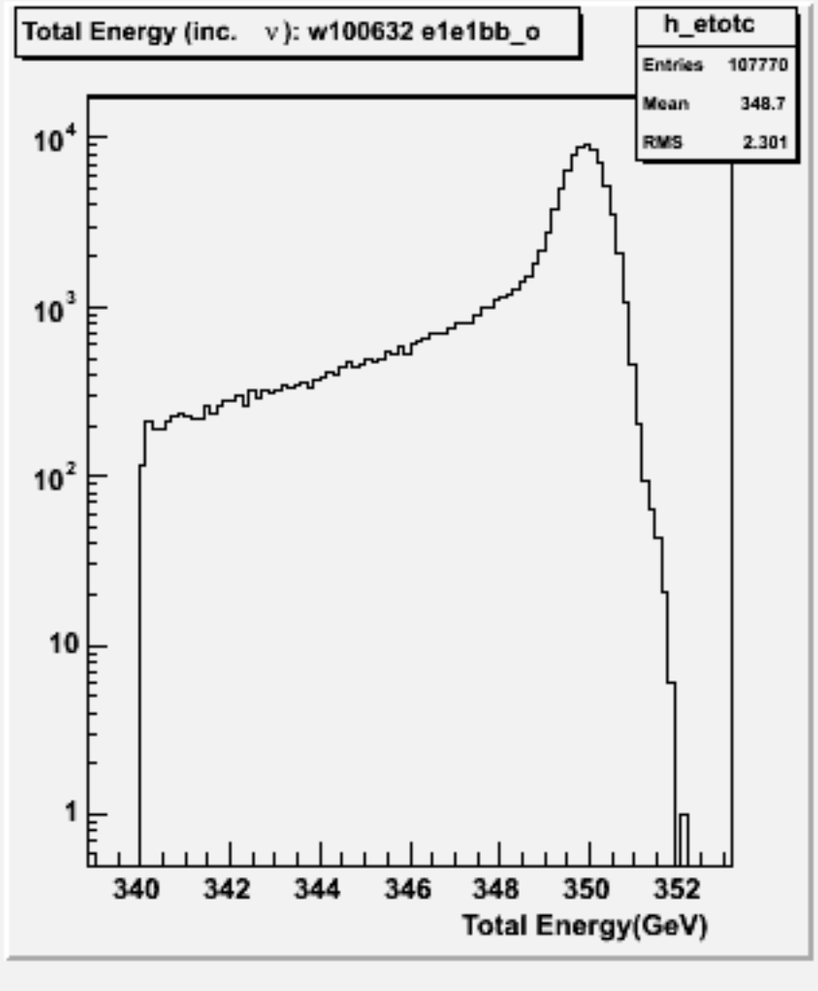

Particle Pt : w100632 e1e1bb_o
h_pt
Entries 6243311
Mean 2.507
RMS 8.076
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

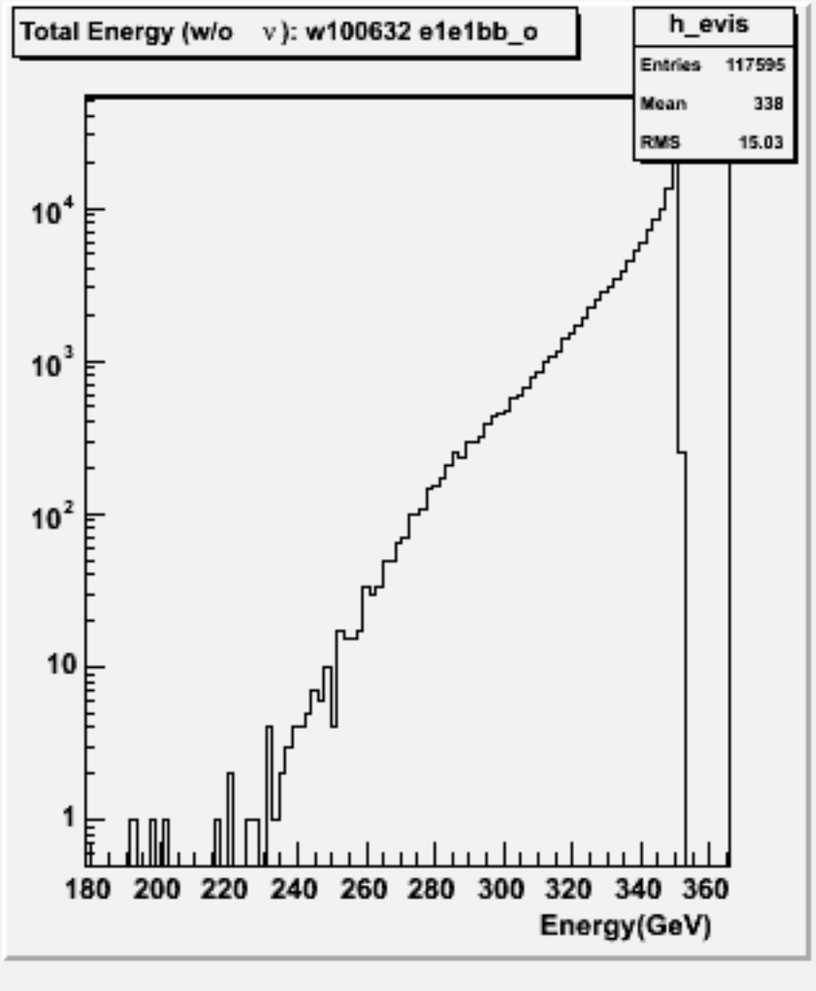

Particle cosθ : w100632 e1e1bb_o
h_cs
Entries 6243311
Mean 0.006564
RMS 0.7509
10^5
-1
-0.5
0
0.5
1
cos θ

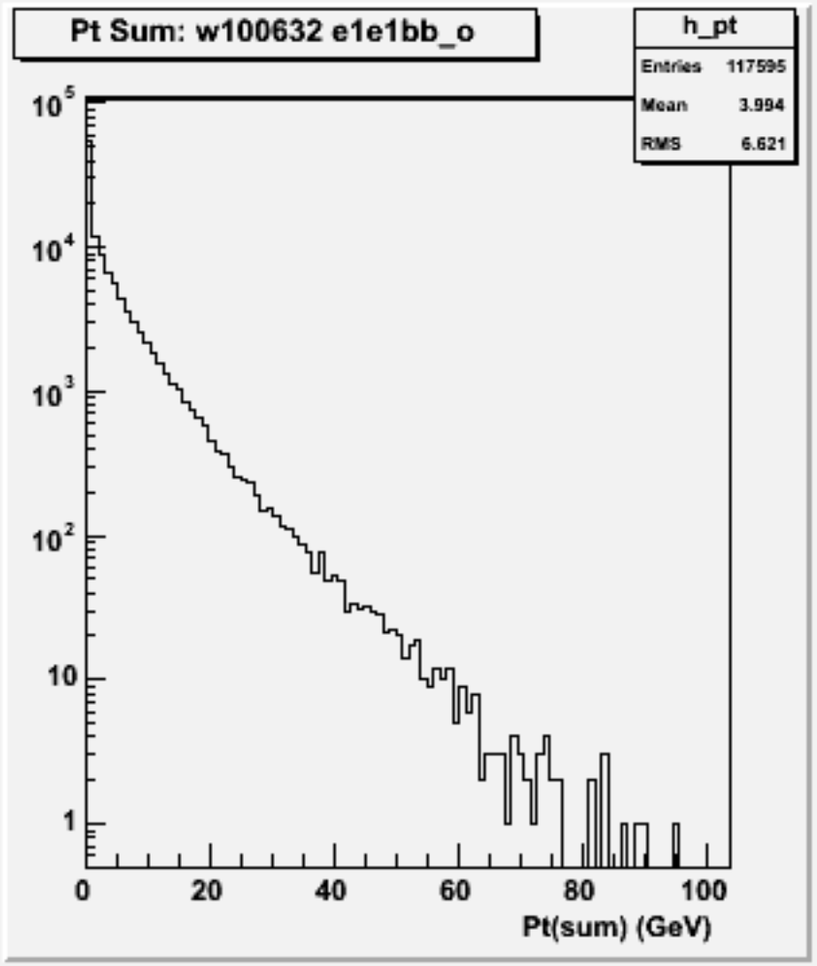

Start point R : w100632 e1e1bb_o
h_vr
Entries 6243311
Mean 15.61
RMS 118.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
22000
Start point Radius

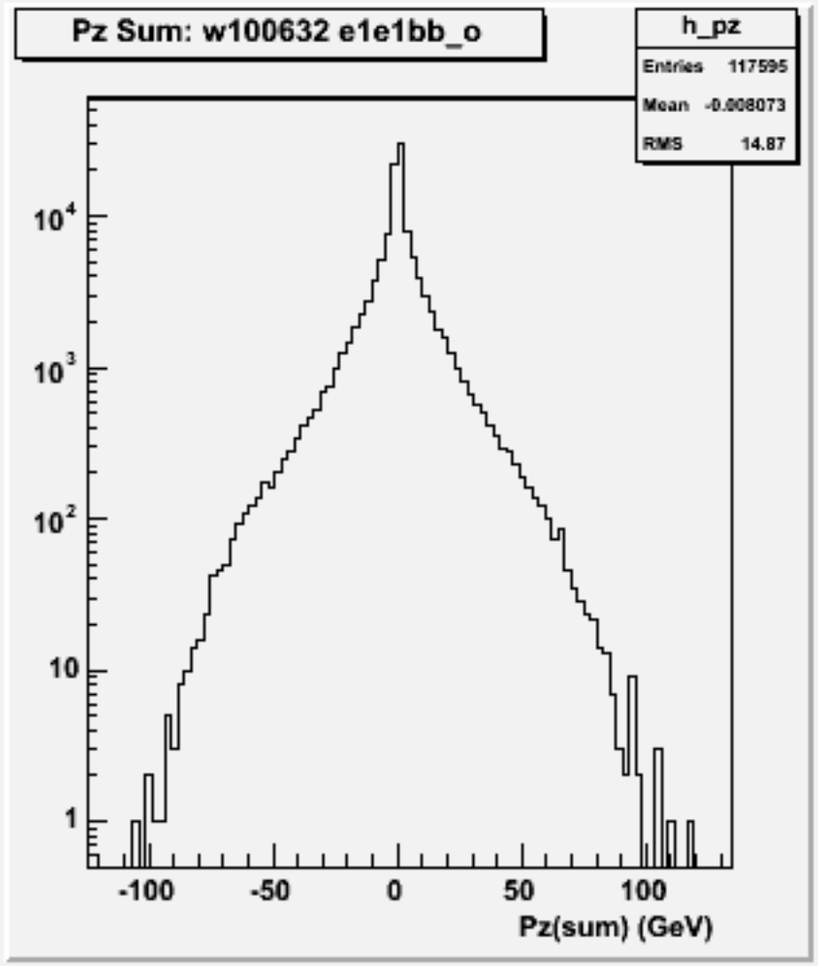

Start point Z : w100632 e1e1bb_o
h_vz
Entries 6243311
Mean 0.1581
RMS 191.2
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-40000
-20000
0
20000
40000
60000
80000
Start point

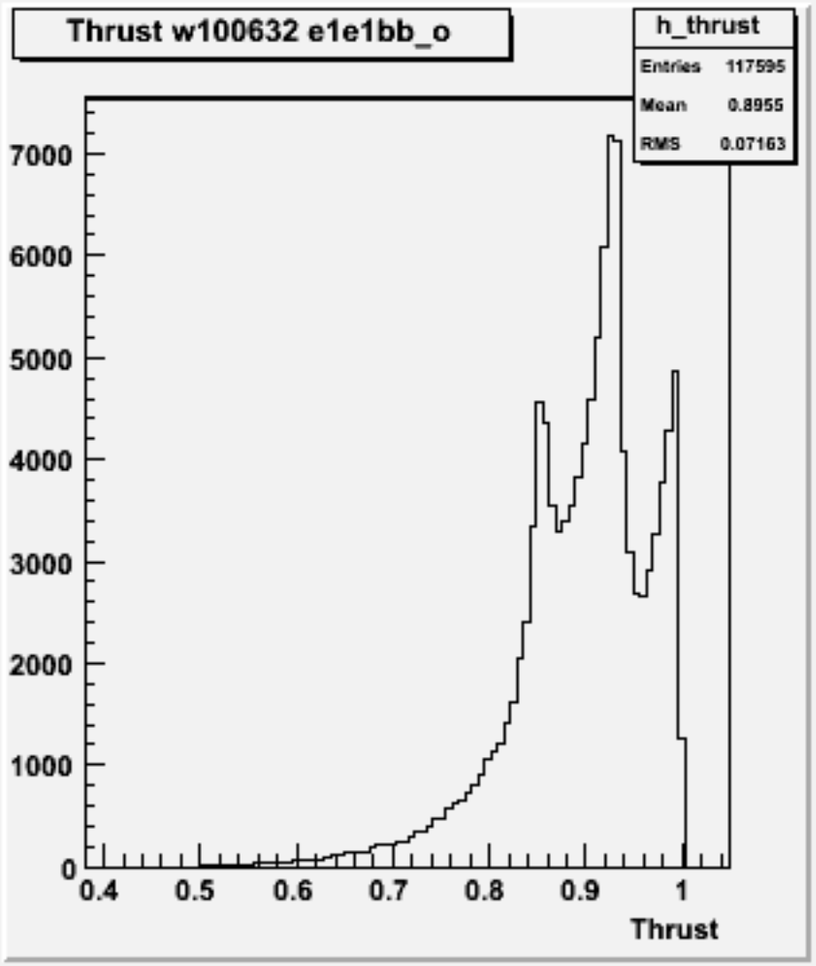

Total Energy (inc. ν): w100632 e1e1bb_o
h_etot
Entries 117595
Mean 347.1
RMS 6.52
Total Energy(GeV)

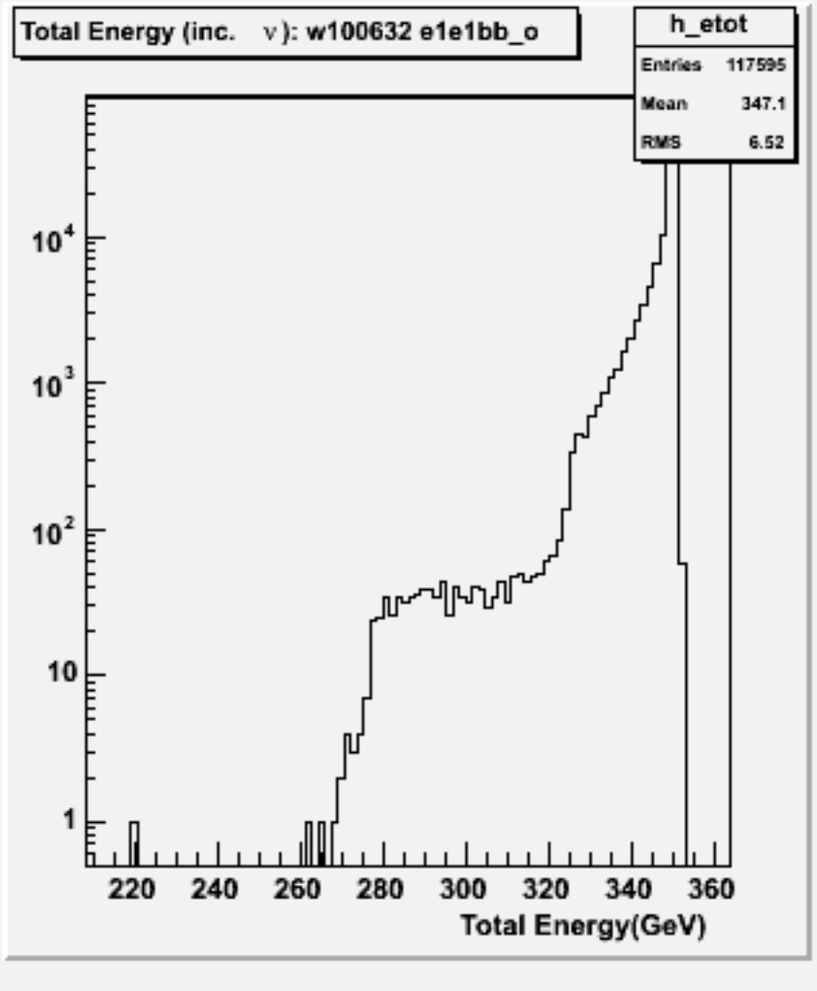

Total Energy (inc. ν): w100632 e1e1bb_o
h_etotc
Entries 107770
Mean 348.7
RMS 2.301
Total Energy(GeV)

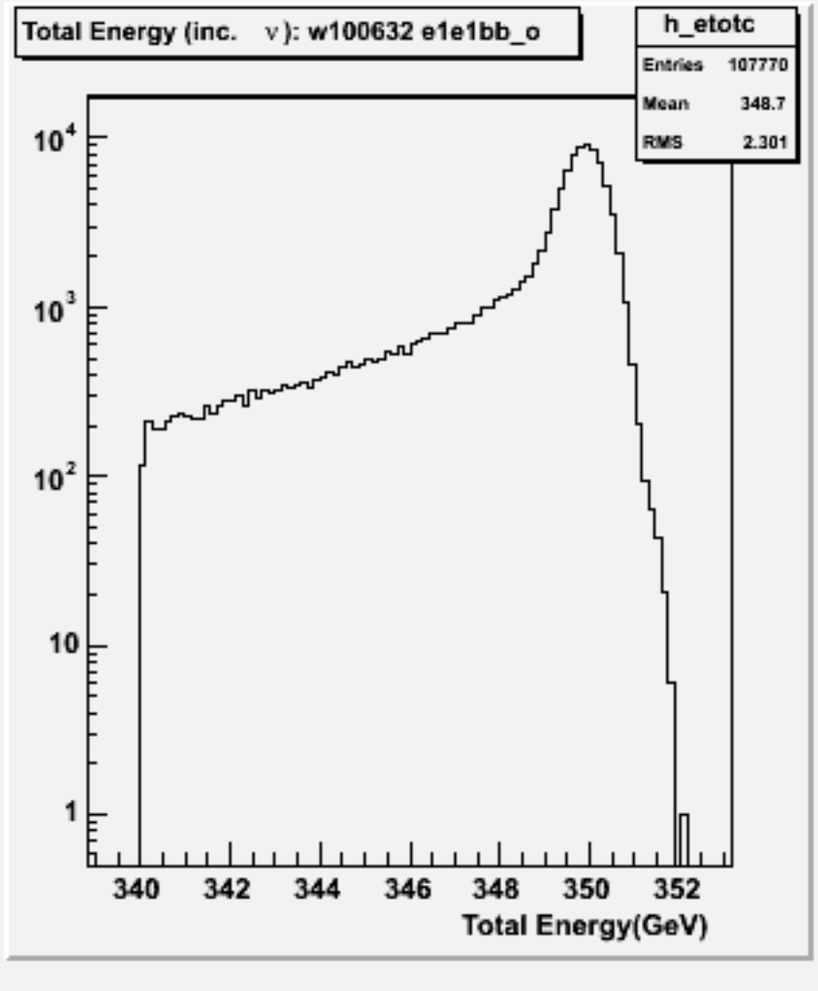

Total Energy (w/o ν): w100632 e1e1bb_o
h_evis
Entries 117595
Mean 338
RMS 15.03
Energy(GeV)

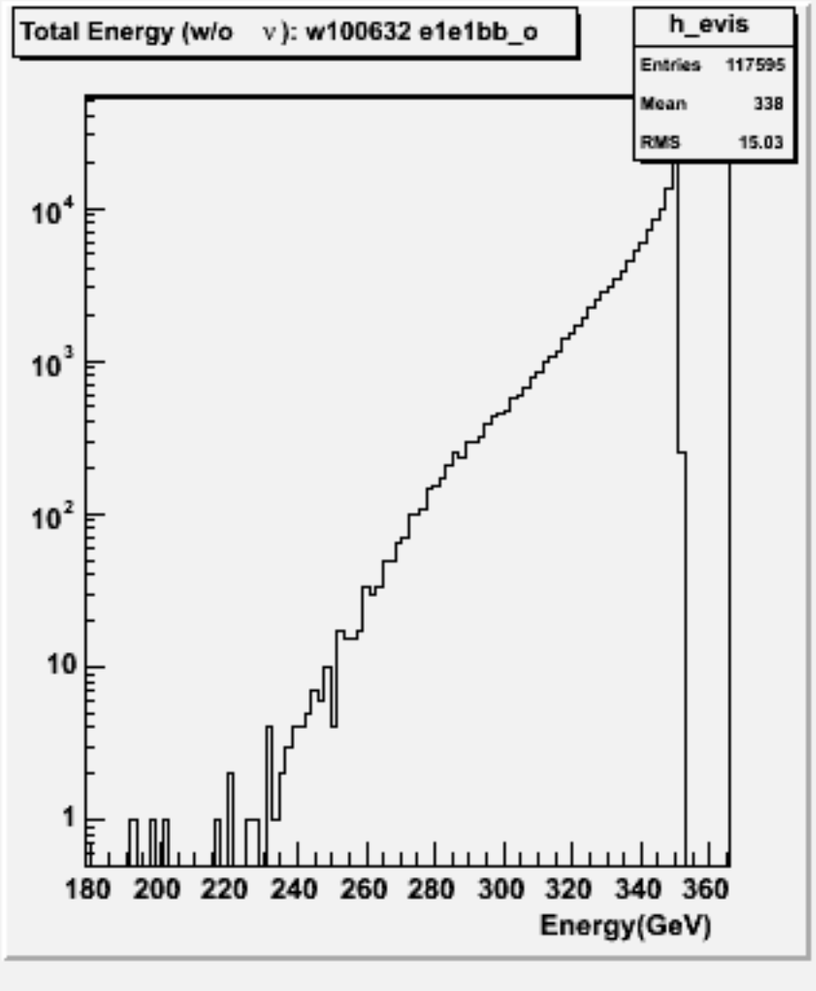

Pt Sum: w100632 e1e1bb_o
h_pt
Entries 117595
Mean 3.994
RMS 6.621
Pt(sum) (GeV)

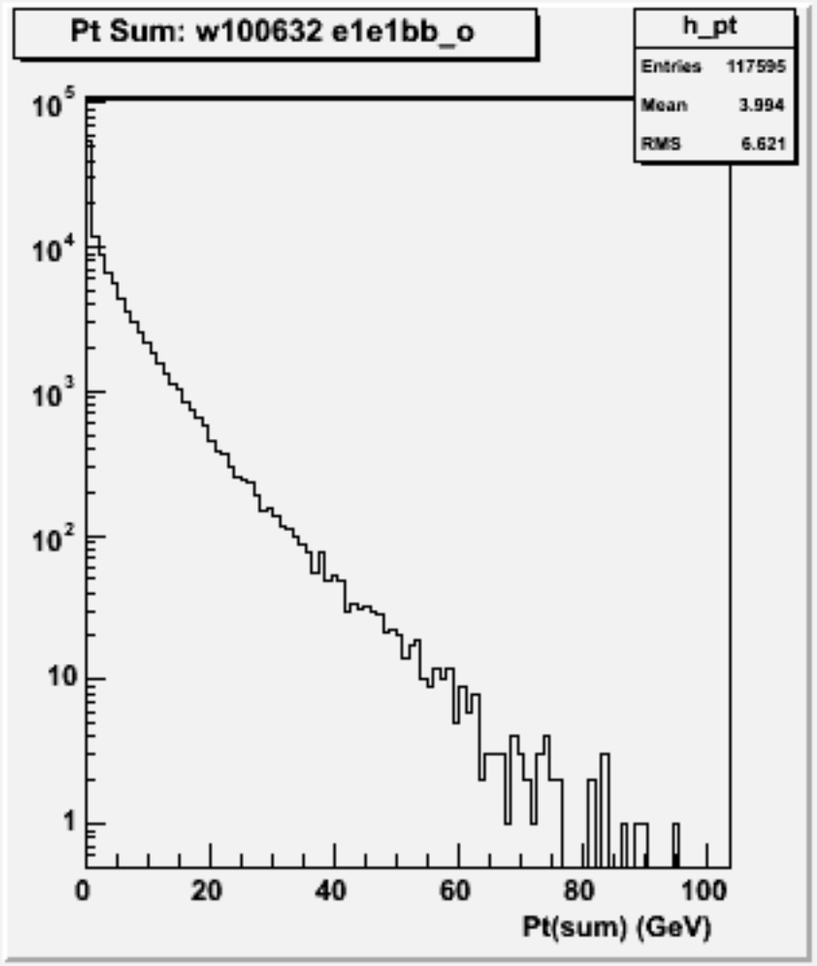

Pz Sum: w100632 e1e1bb_o
h_pz
Entries 117595
Mean -0.008073
RMS 14.87
Pz(sum) (GeV)

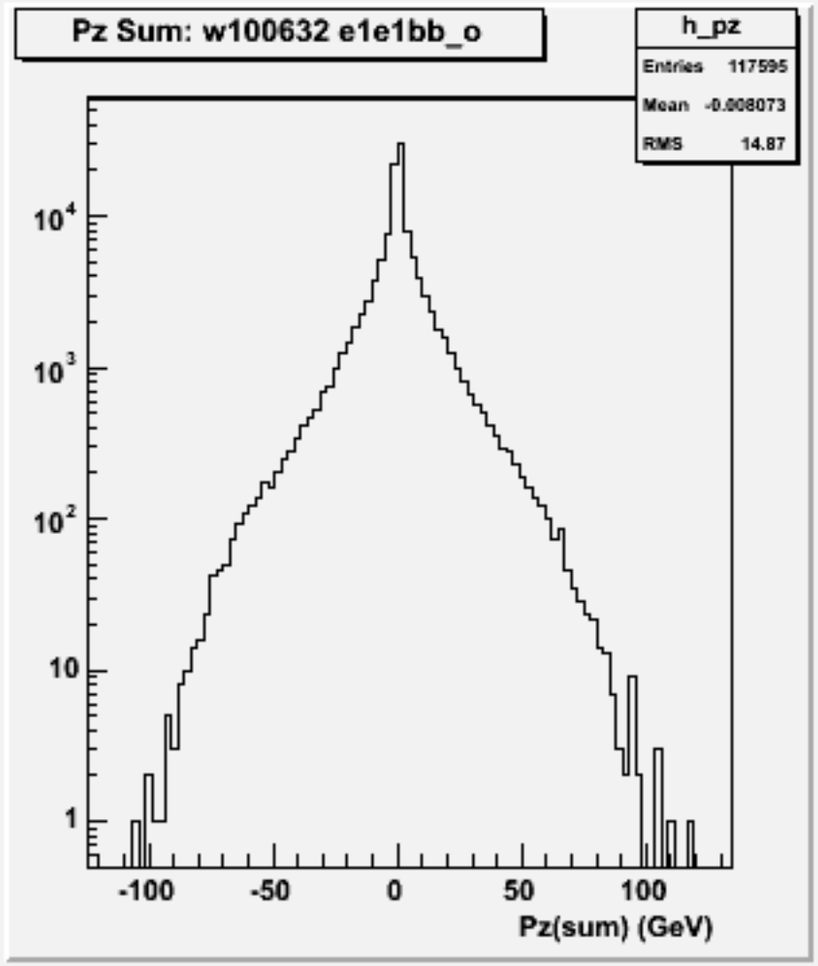

Thrust w100632 e1e1bb_o
h_thrust
Entries 117595
Mean 0.8955
RMS 0.07163
Thrust

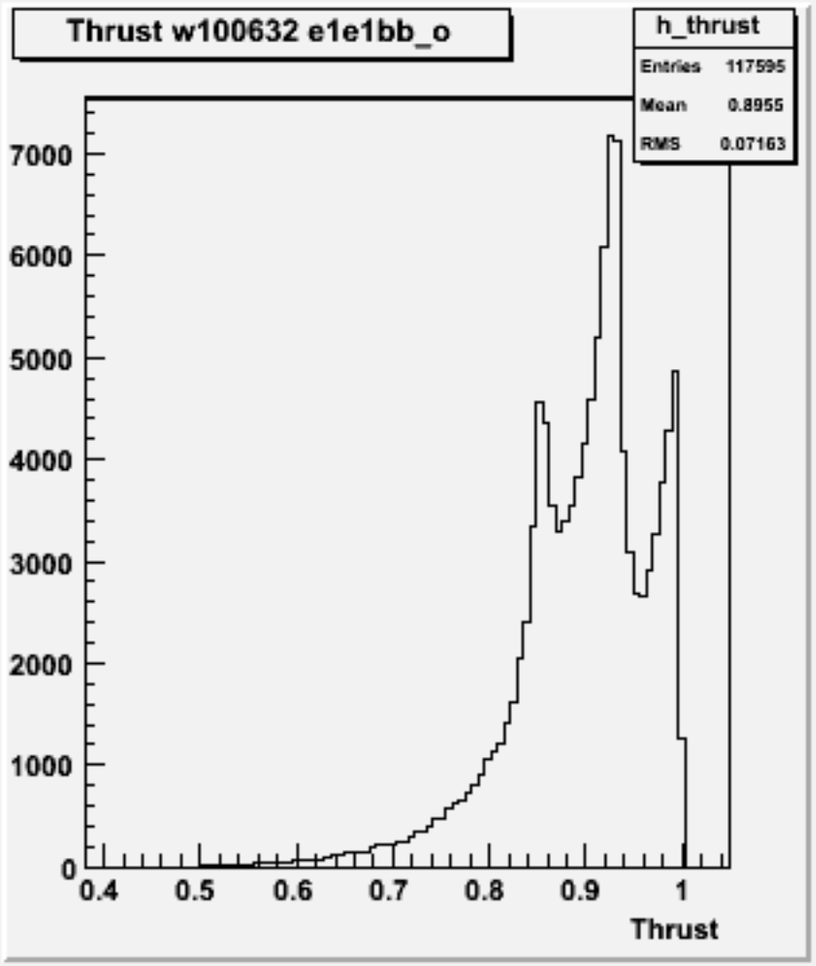

Total Energy (inc. ν): w100632 e1e1bb_o
h_etot
Entries 117595
Mean 347.1
RMS 6.52
Total Energy(GeV)

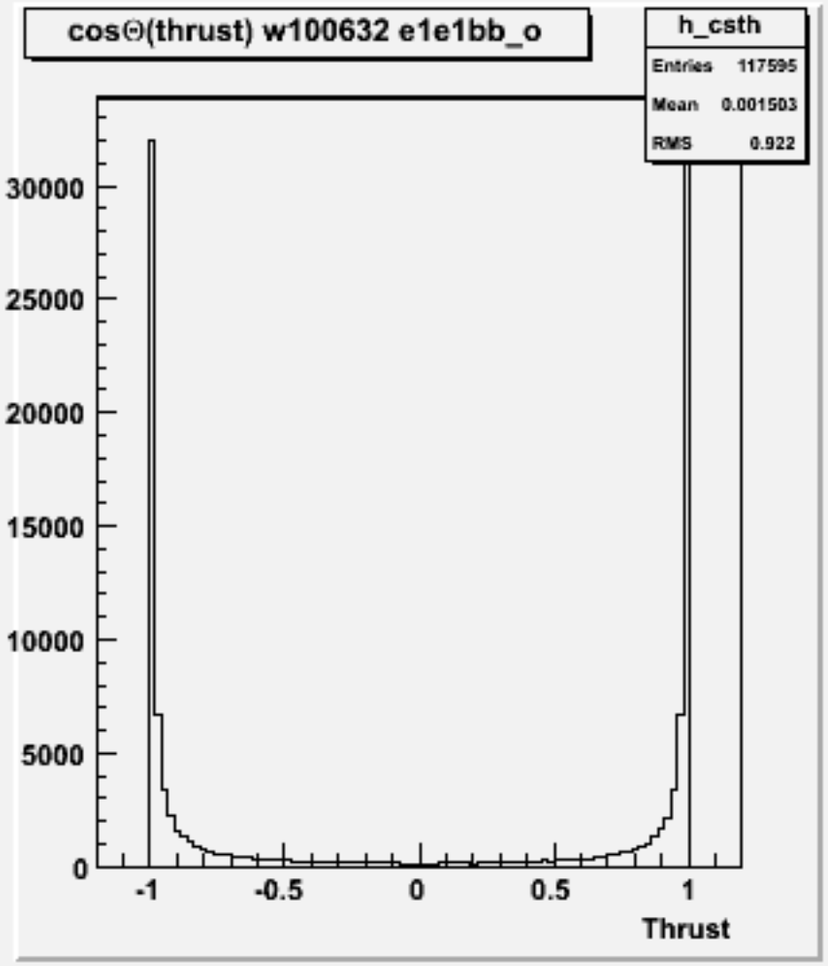

Total Energy (inc. ν): w100632 e1e1bb_o
h_etotc
Entries 107770
Mean 348.7
RMS 2.301
Total Energy(GeV)

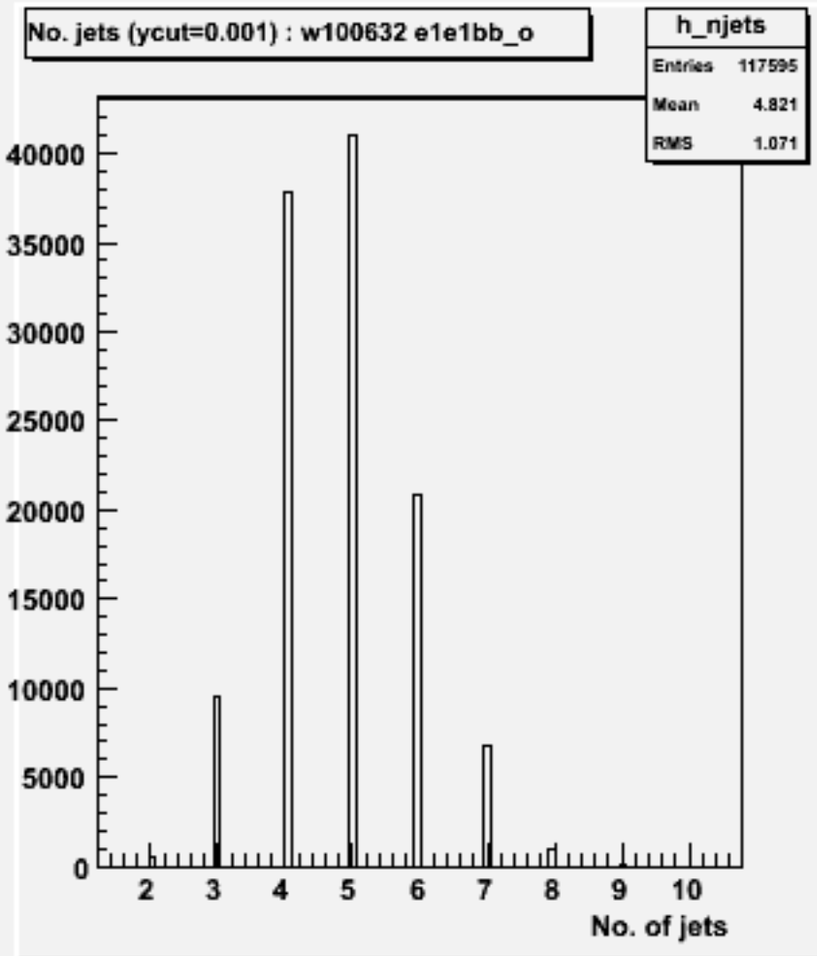

Total Energy (w/o ν): w100632 e1e1bb_o
h_evis
Entries 117595
Mean 338
RMS 15.03
Energy(GeV)

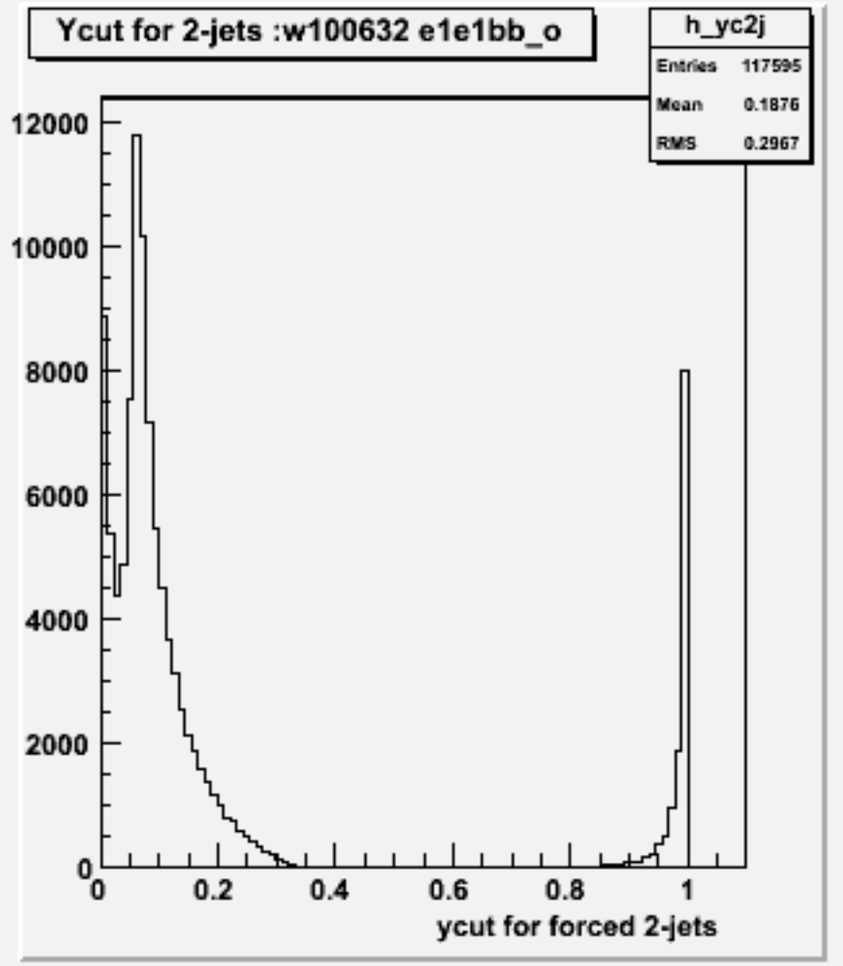

Pt Sum: w100632 e1e1bb_o
h_pt
Entries 117595
Mean 3.994
RMS 6.621
Pt(sum) (GeV)

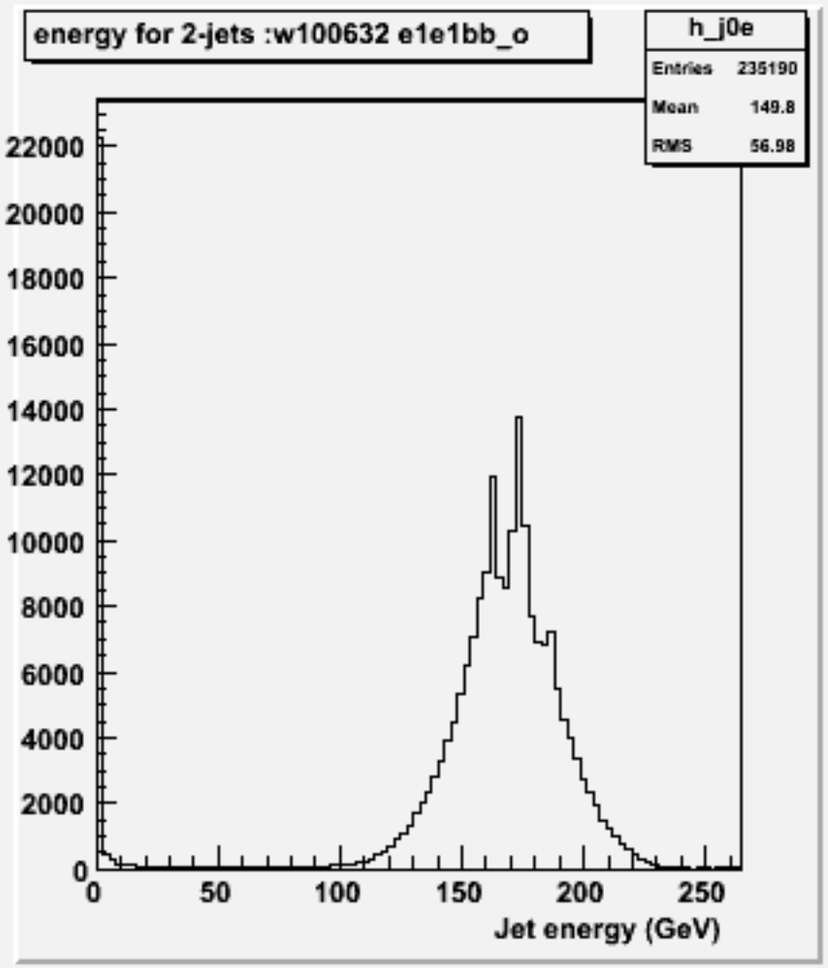

Pz Sum: w100632 e1e1bb_o
h_pz
Entries 117595
Mean -0.008073
RMS 14.87
Pz(sum) (GeV)

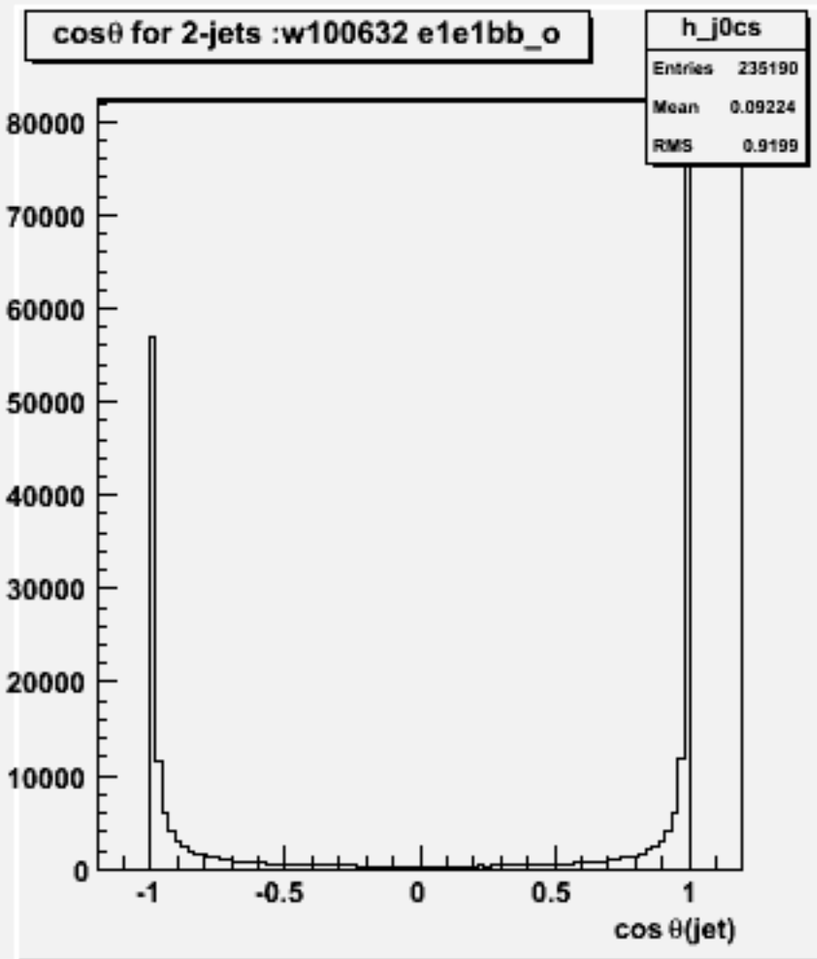

Thrust w100632 e1e1bb_o
h_thrust
Entries 117595
Mean 0.8955
RMS 0.07163
Thrust

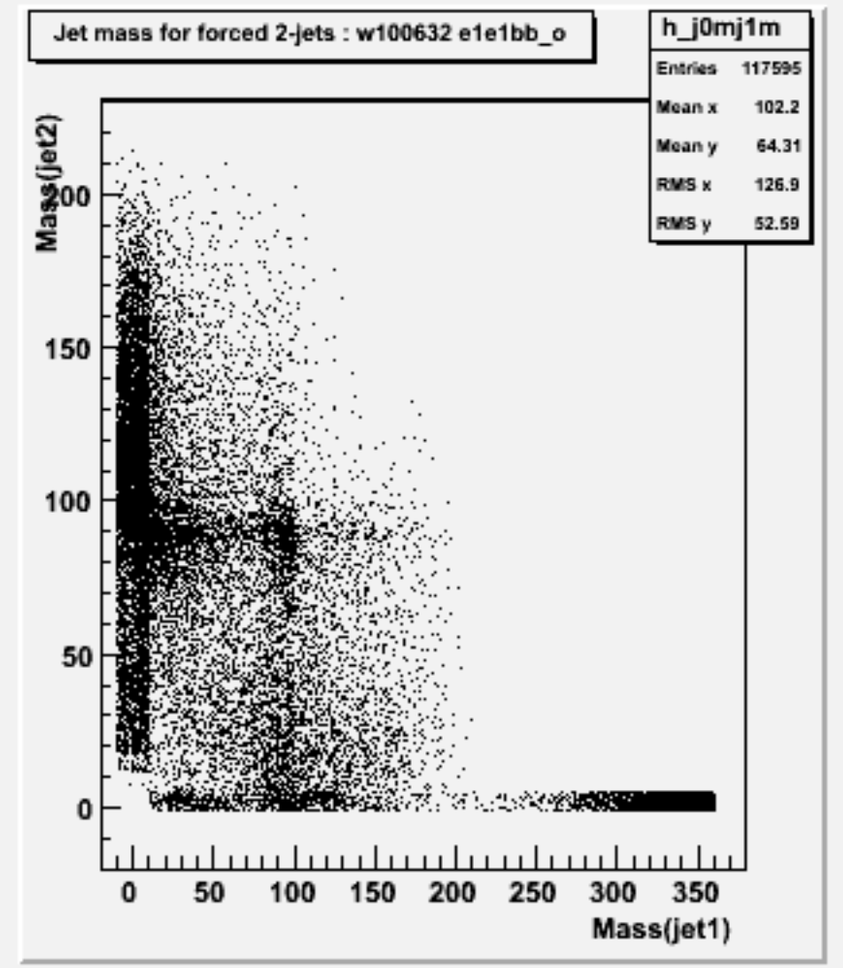

cosΘ(thrust) w100632 e1e1bb_o
h_csth
Entries 117595
Mean 0.001503
RMS 0.922
Thrust

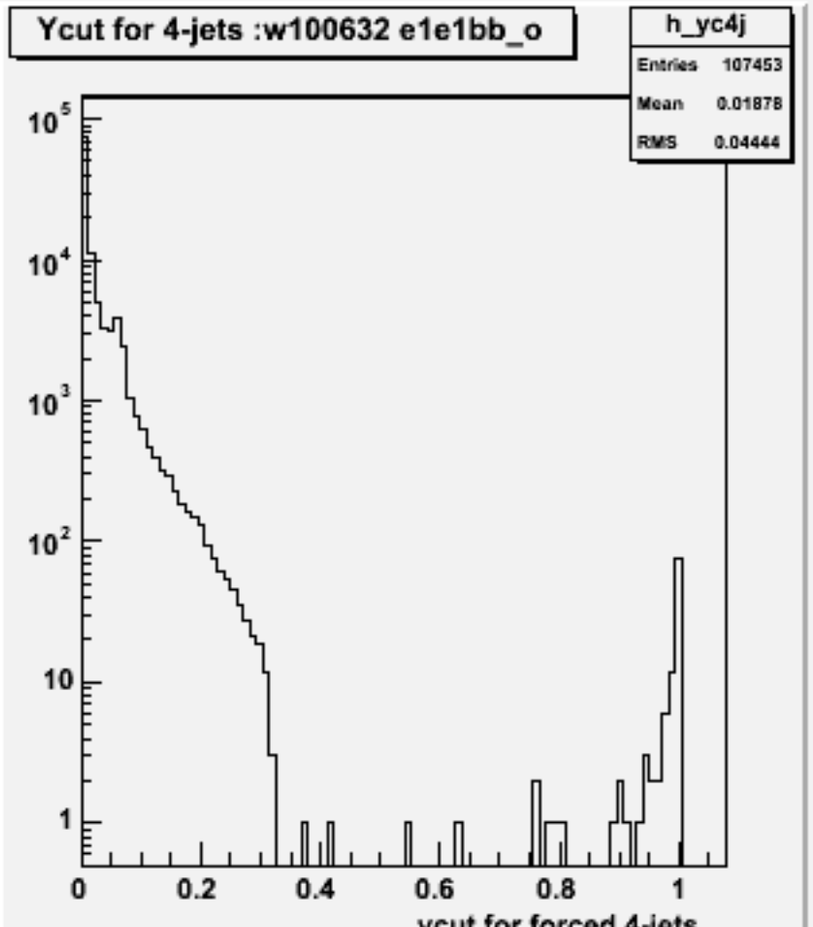

No. jets (ycut=0.001) : w100632 e1e1bb_o
h_njets
Entries 117595
Mean 4.821
RMS 1.071
No. of jets

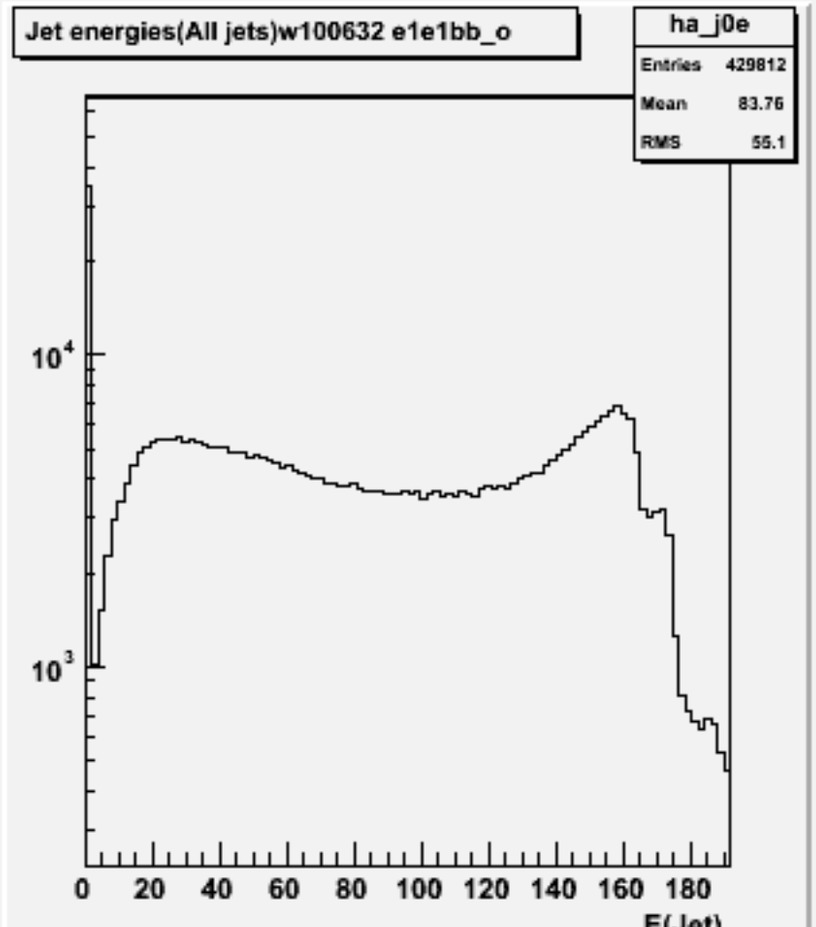

Ycut for 2-jets :w100632 e1e1bb_o
h_yc2j
Entries 117595
Mean 0.1876
RMS 0.2967
ycut for forced 2-jets

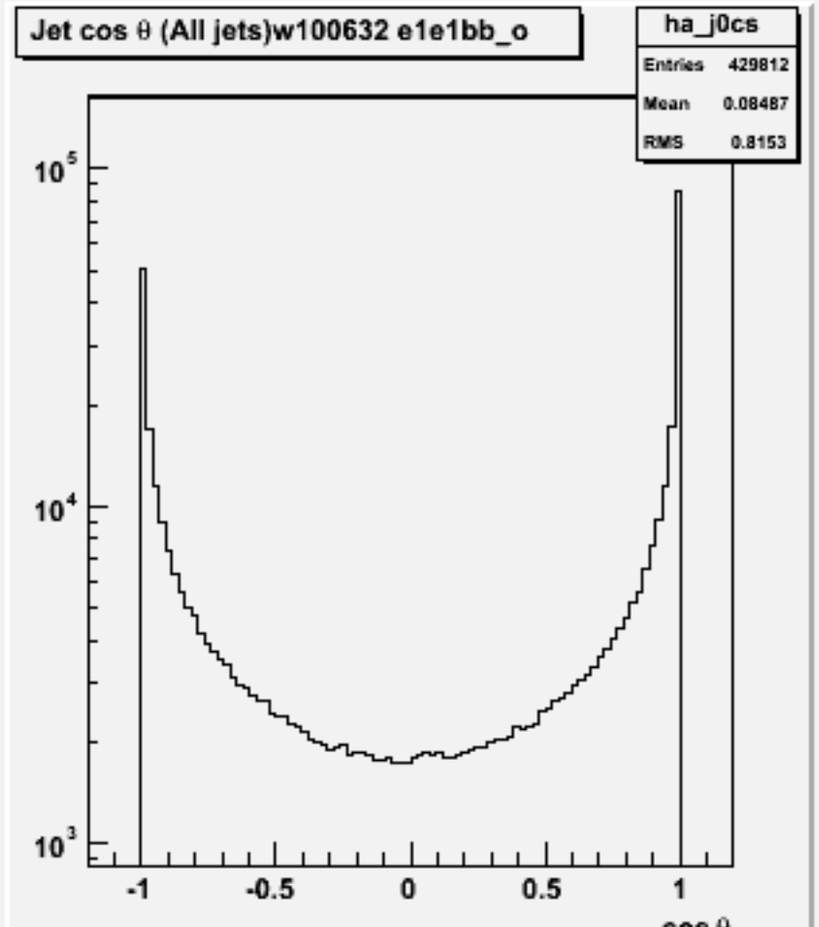

energy for 2-jets :w100632 e1e1bb_o
h_j0e
Entries 235190
Mean 149.8
RMS 56.98
Jet energy (GeV)

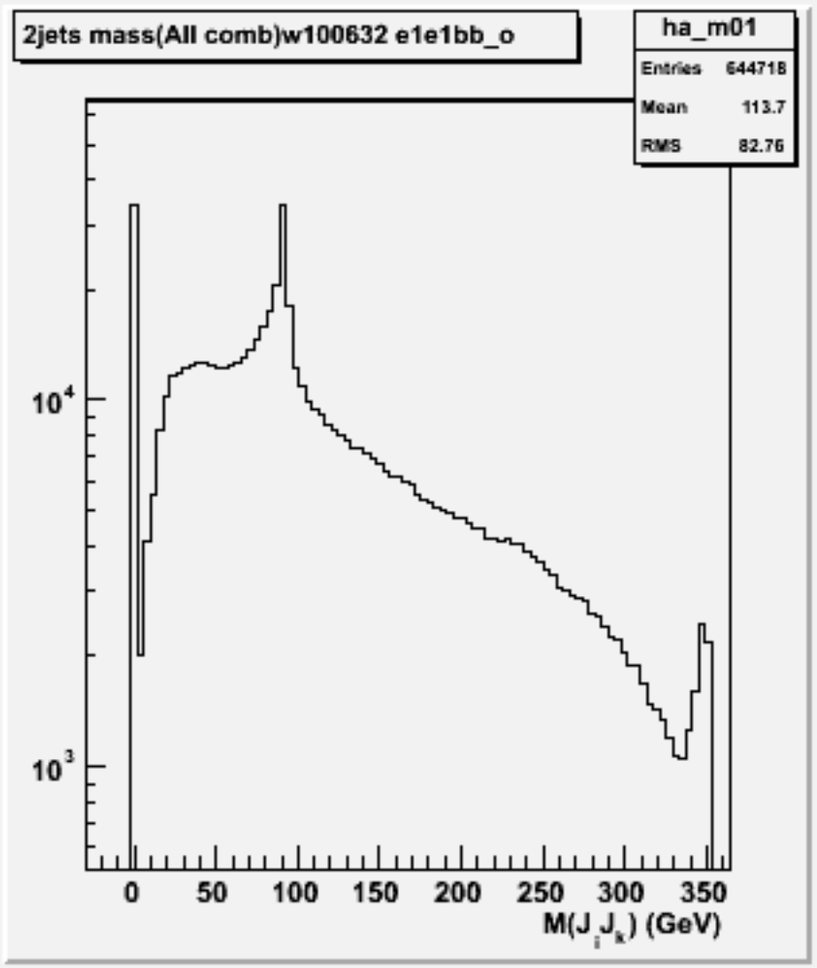

cosθ for 2-jets :w100632 e1e1bb_o
h_j0cs
Entries 235190
Mean 0.09224
RMS 0.9199
cos θ(jet)

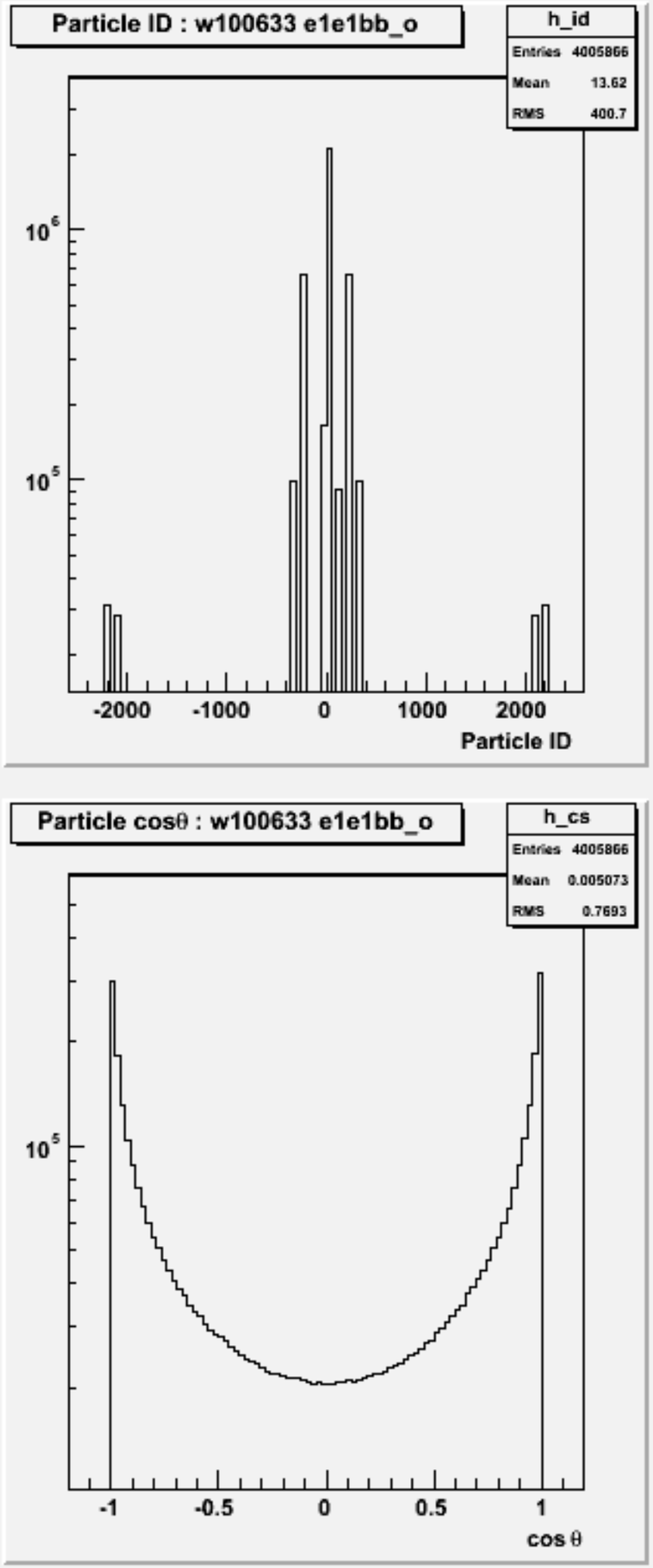

Jet mass for forced 2-jets : w100632 e1e1bb_o
h_j0mj1m
Entries 117595
Mean x 102.2
Mean y 64.31
RMS x 126.9
RMS y 52.59
Mass(jet2)
Mass(jet1)

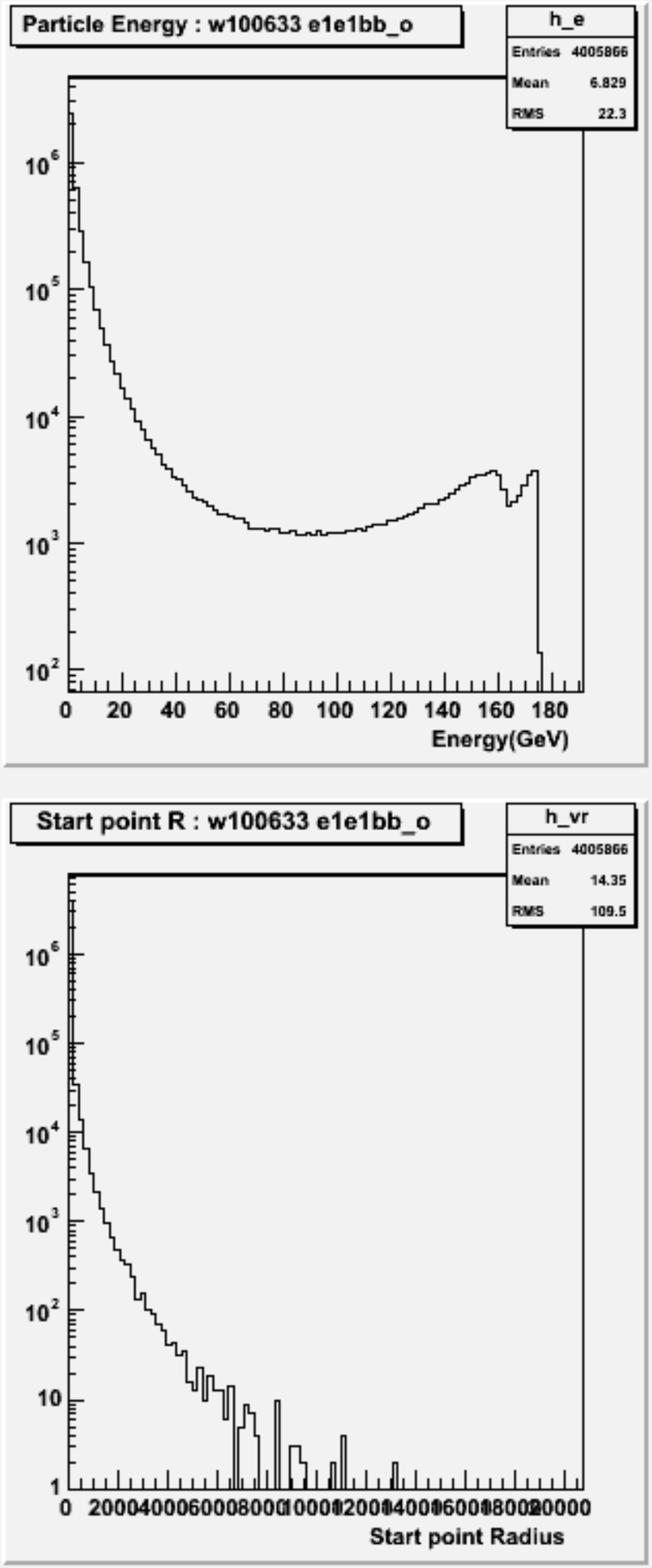

Ycut for 4-jets :w100632 e1e1bb_o
h_yc4j
Entries 107453
Mean 0.01878
RMS 0.04444
ycut for forced 4-jets

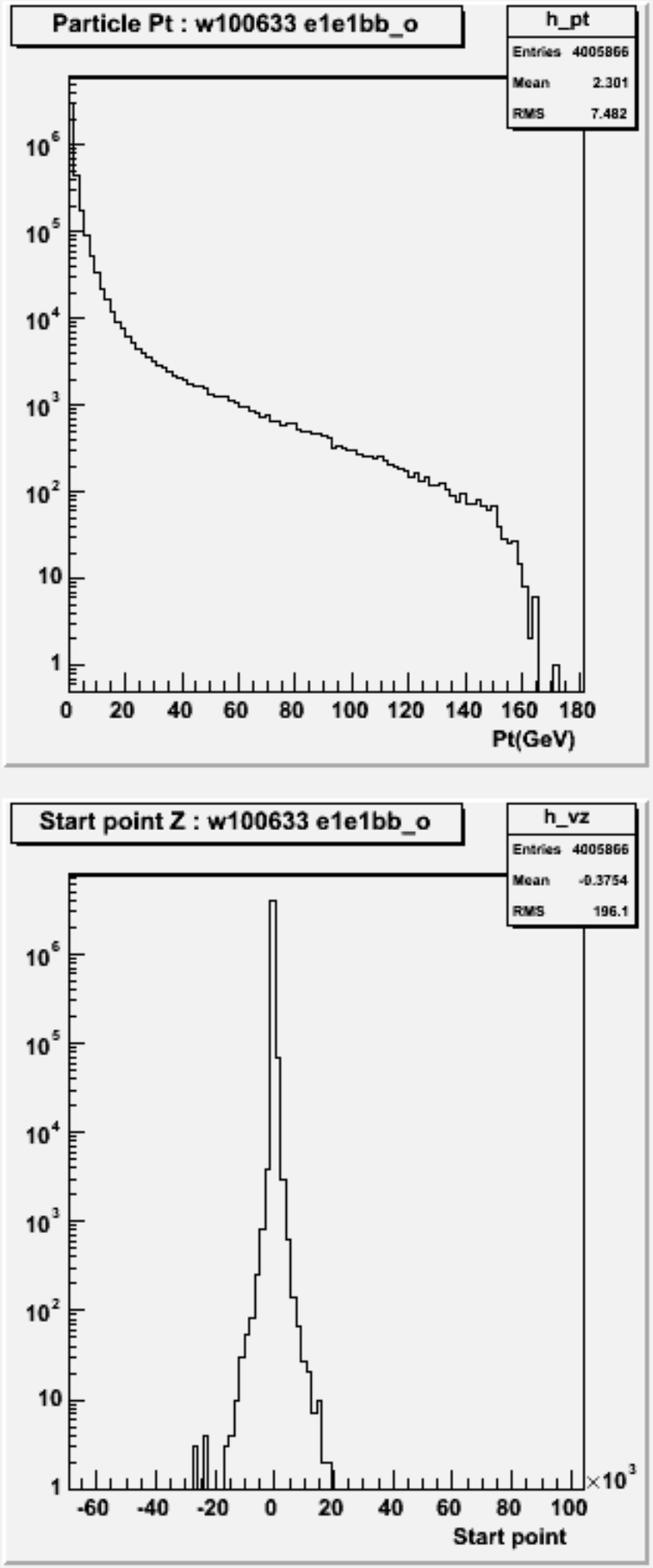

Jet energies(All jets)w100632 e1e1bb_o
ha_j0e
Entries 429812
Mean 83.76
RMS 55.1
E(Jet)


Jet cos θ (All jets)w100632 e1e1bb_o
ha_j0cs
Entries 429812
Mean 0.08487
RMS 0.8153
cos θ


2jets mass(All comb)w100632 e1e1bb_o
ha_m01
Entries 644718
Mean 113.7
RMS 82.76
M(J_iJ_k) (GeV)


Particle ID : w100633 e1e1bb_o
h_id
Entries 4005866
Mean 13.62
RMS 400.7
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

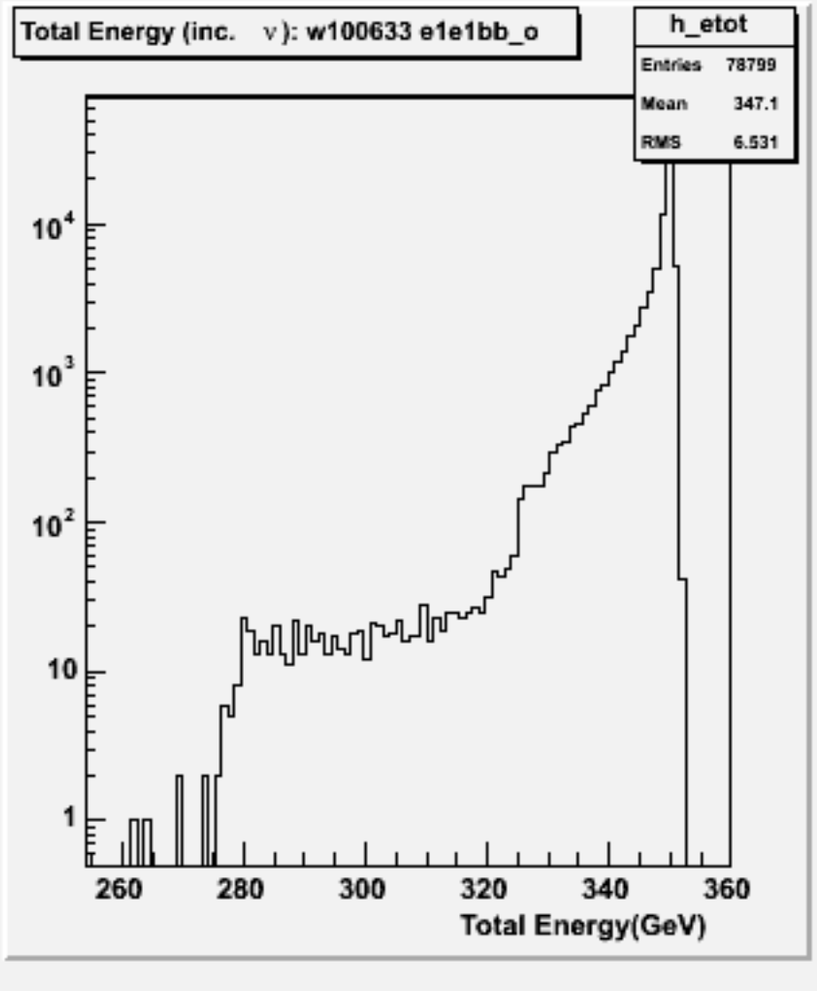

Particle Energy : w100633 e1e1bb_o
h_e
Entries 4005866
Mean 6.829
RMS 22.3
10^6
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

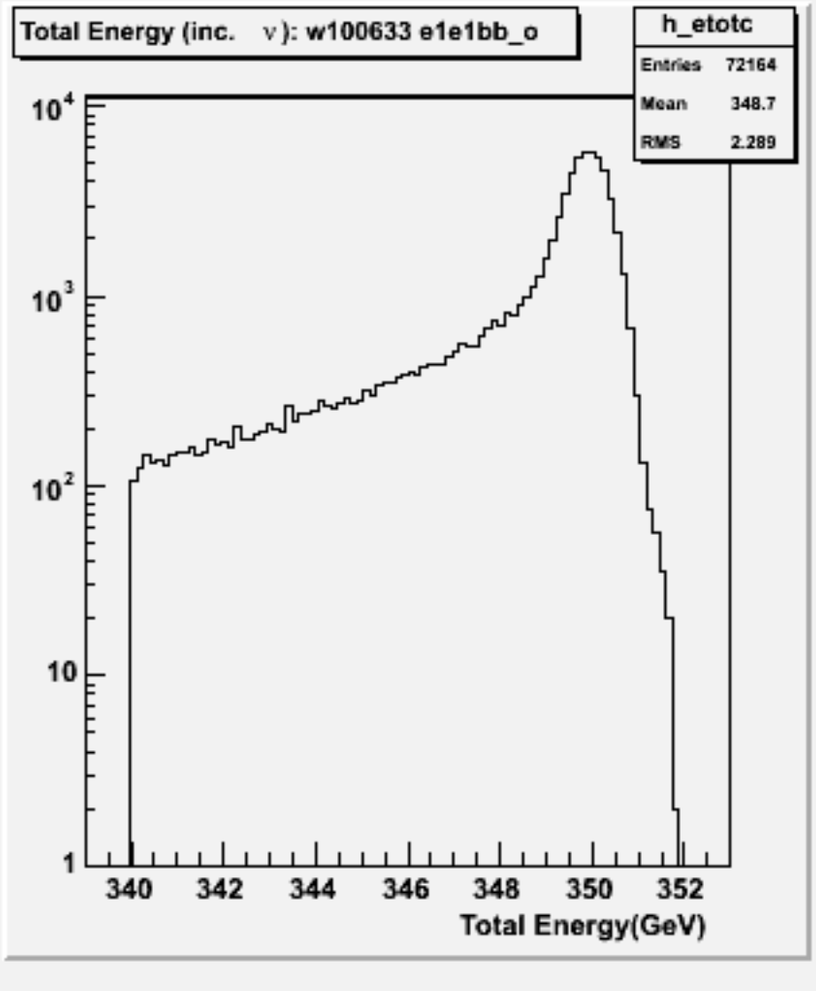

Particle Pt : w100633 e1e1bb_o
h_pt
Entries 4005866
Mean 2.301
RMS 7.482
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

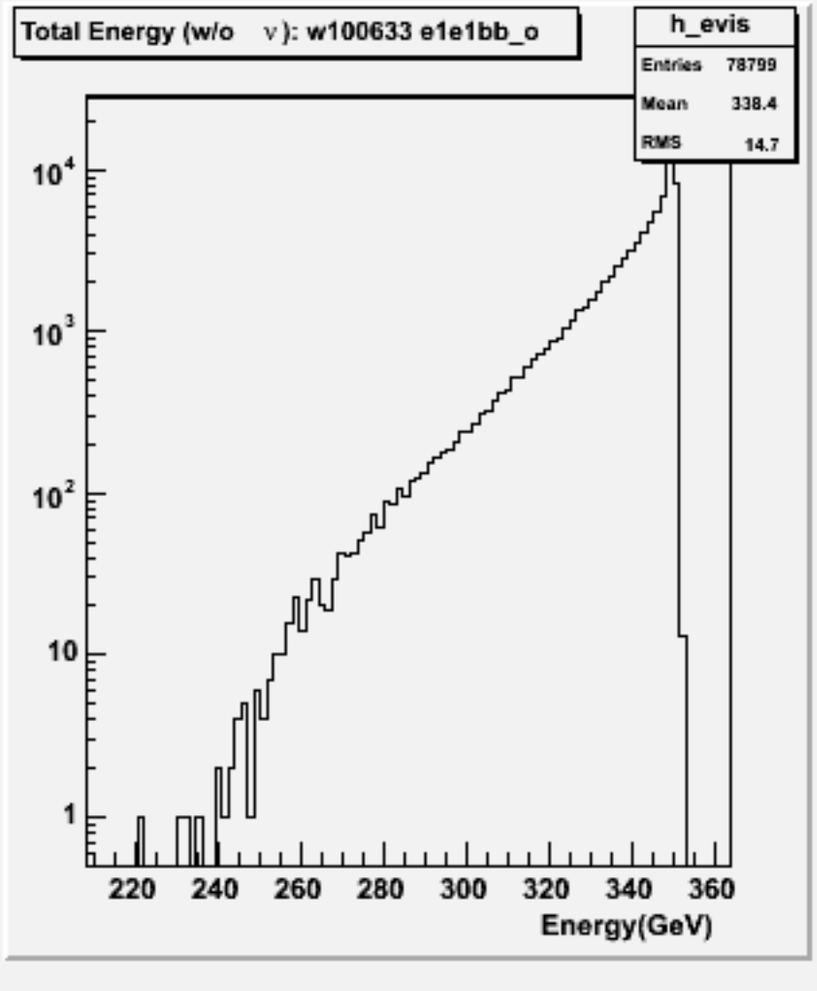
Particle cosθ : w100633 e1e1bb_o
h_cs
Entries 4005866
Mean 0.005073
RMS 0.7693
10^5
-1
-0.5
0
0.5
1
cos θ

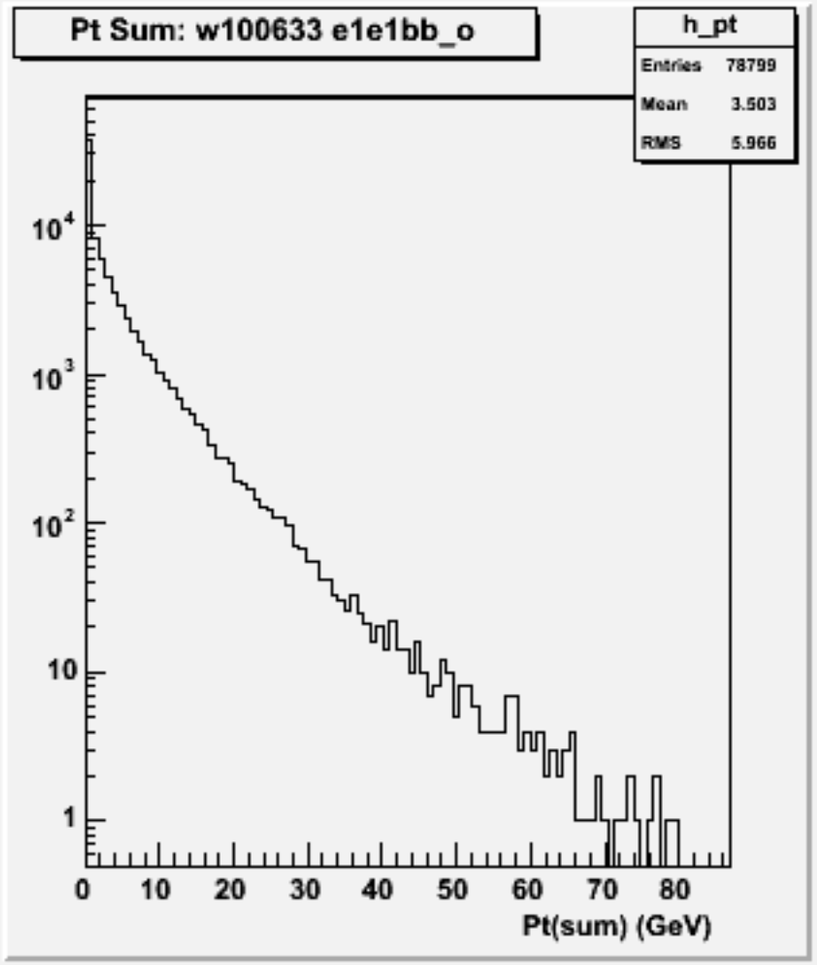
Start point R : w100633 e1e1bb_o
h_vr
Entries 4005866
Mean 14.35
RMS 109.5
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000
Start point Radius

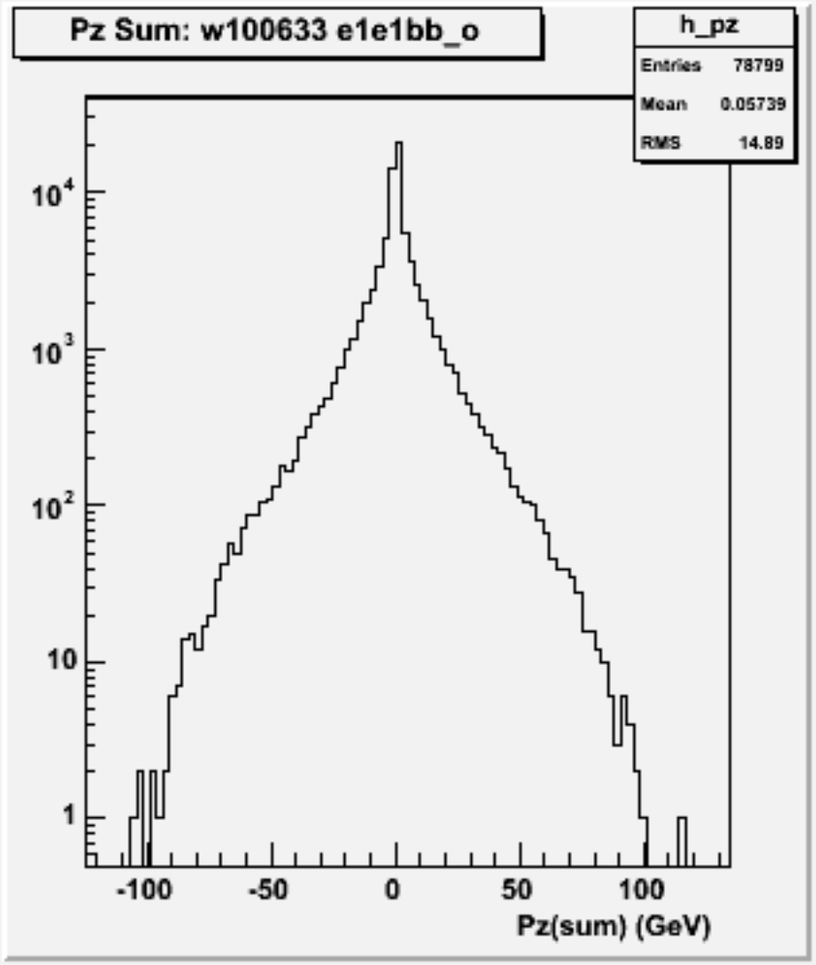
Start point Z : w100633 e1e1bb_o
h_vz
Entries 4005866
Mean -0.3754
RMS 196.1
10^6
10^5
10^4
10^3
10^2
10
1
-60 -40 -20 0 20 40 60 80 100
$\times 10^3$
Start point

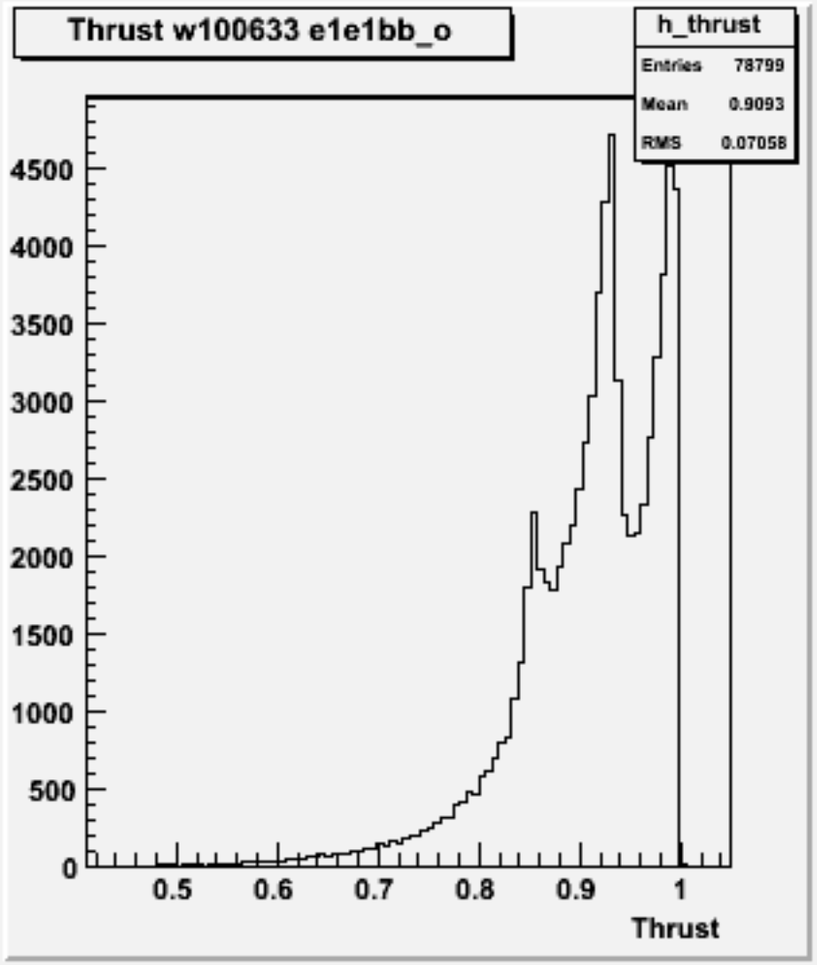

Total Energy (inc. ν): w100633 e1e1bb_o
h_etot
Entries 78799
Mean 347.1
RMS 6.531
Total Energy(GeV)

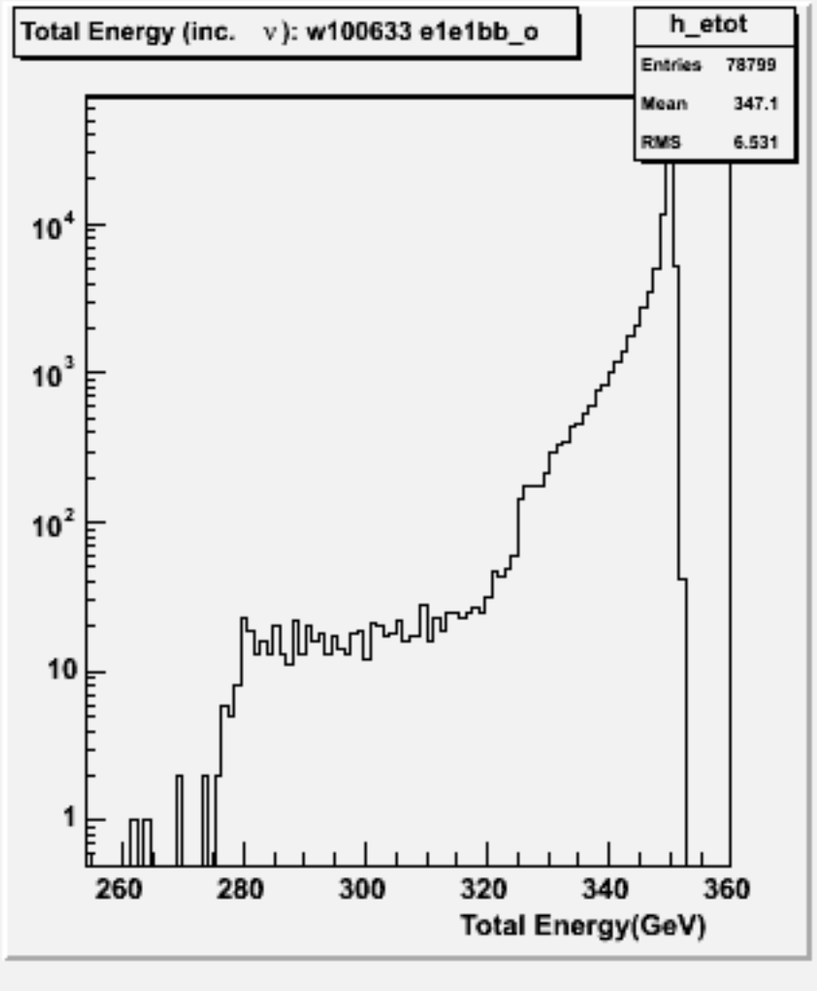

Total Energy (inc. ν): w100633 e1e1bb_o
h_etotc
Entries 72164
Mean 348.7
RMS 2.289
Total Energy(GeV)

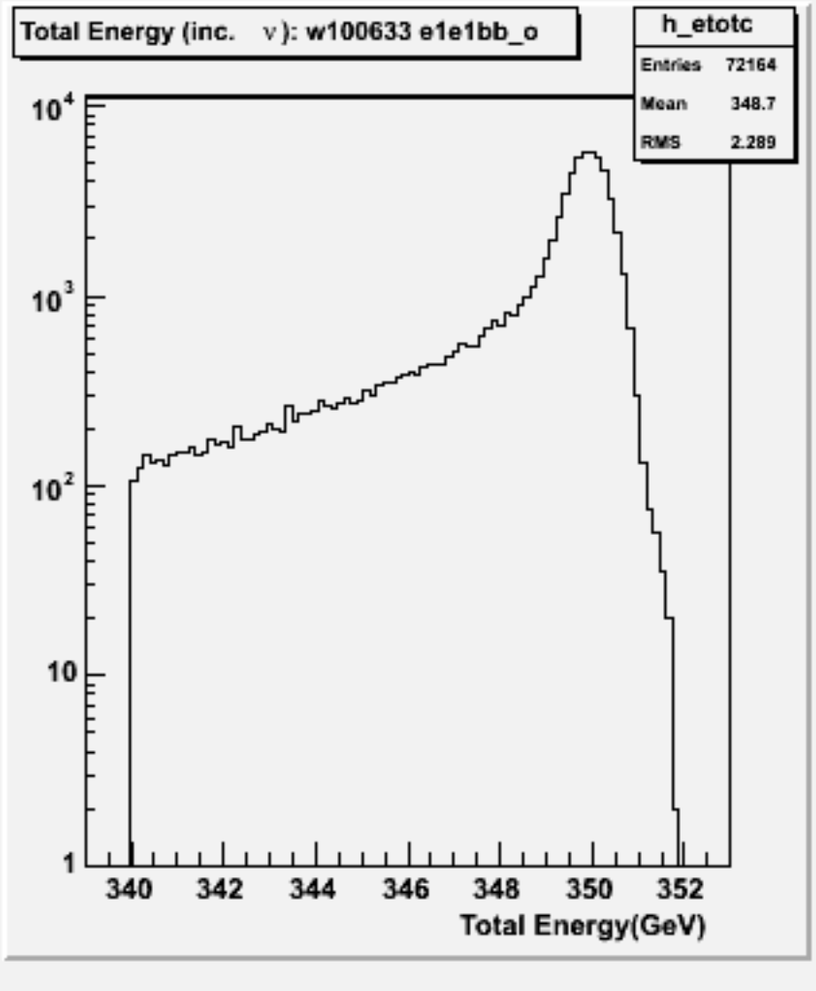

Total Energy (w/o ν): w100633 e1e1bb_o
h_evis
Entries 78799
Mean 338.4
RMS 14.7
Energy(GeV)

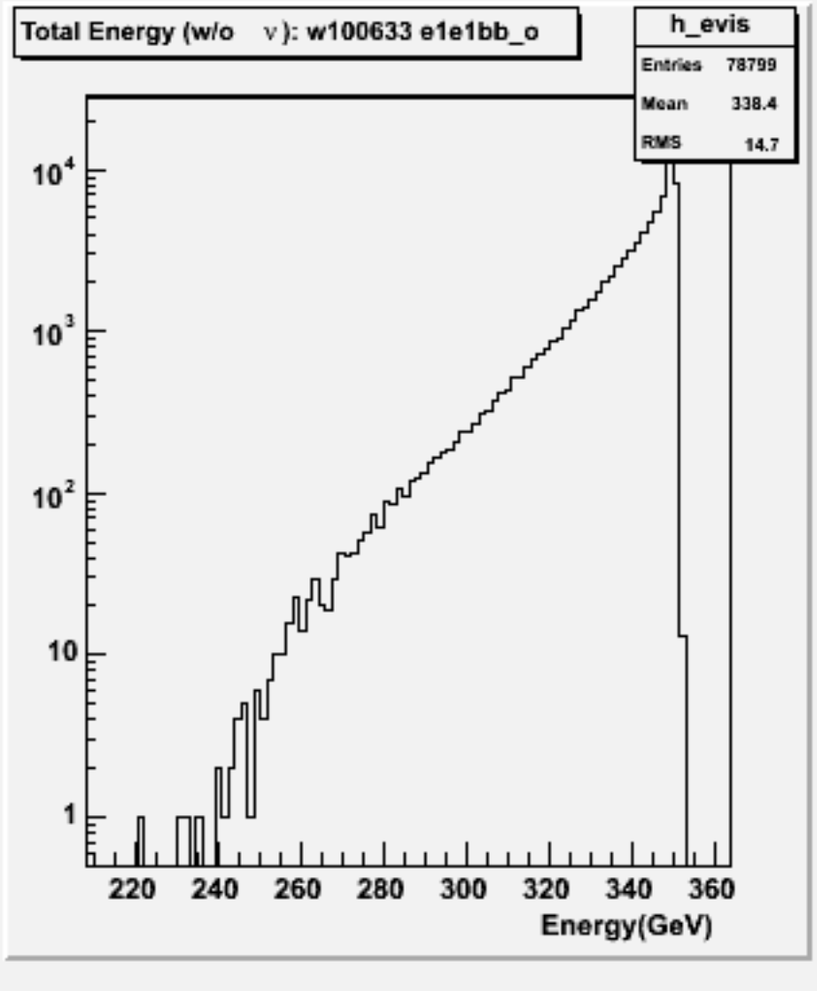

Pt Sum: w100633 e1e1bb_o
h_pt
Entries 78799
Mean 3.503
RMS 5.966
Pt(sum) (GeV)

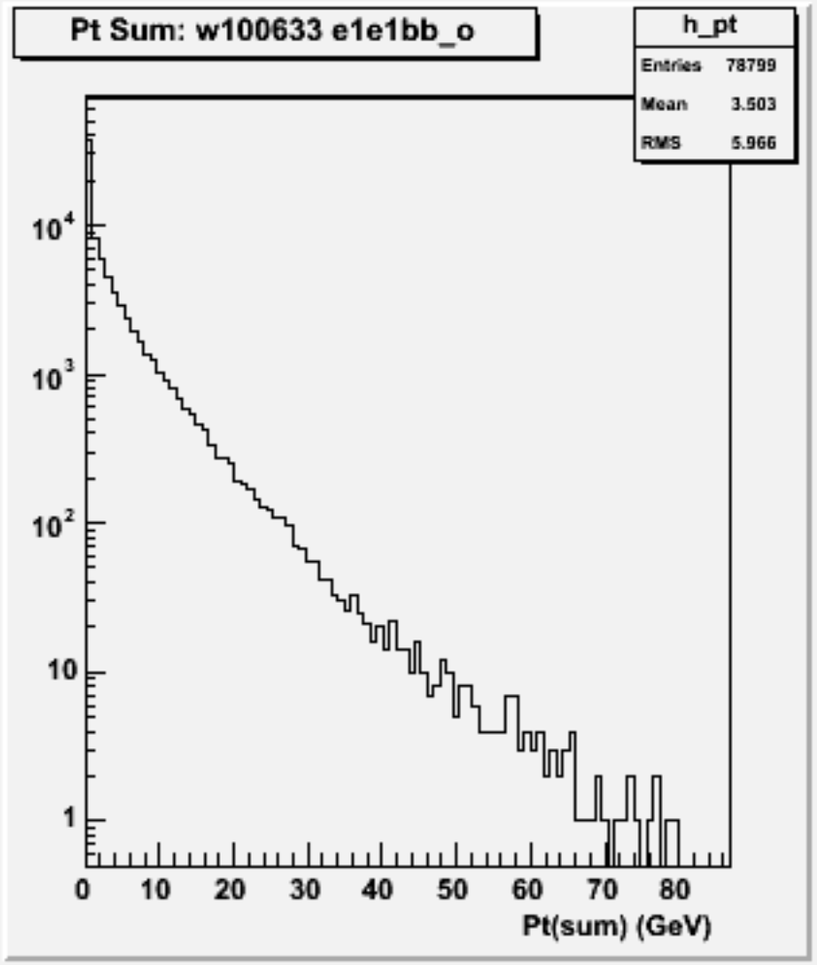

Pz Sum: w100633 e1e1bb_o
h_pz
Entries 78799
Mean 0.05739
RMS 14.89
Pz(sum) (GeV)

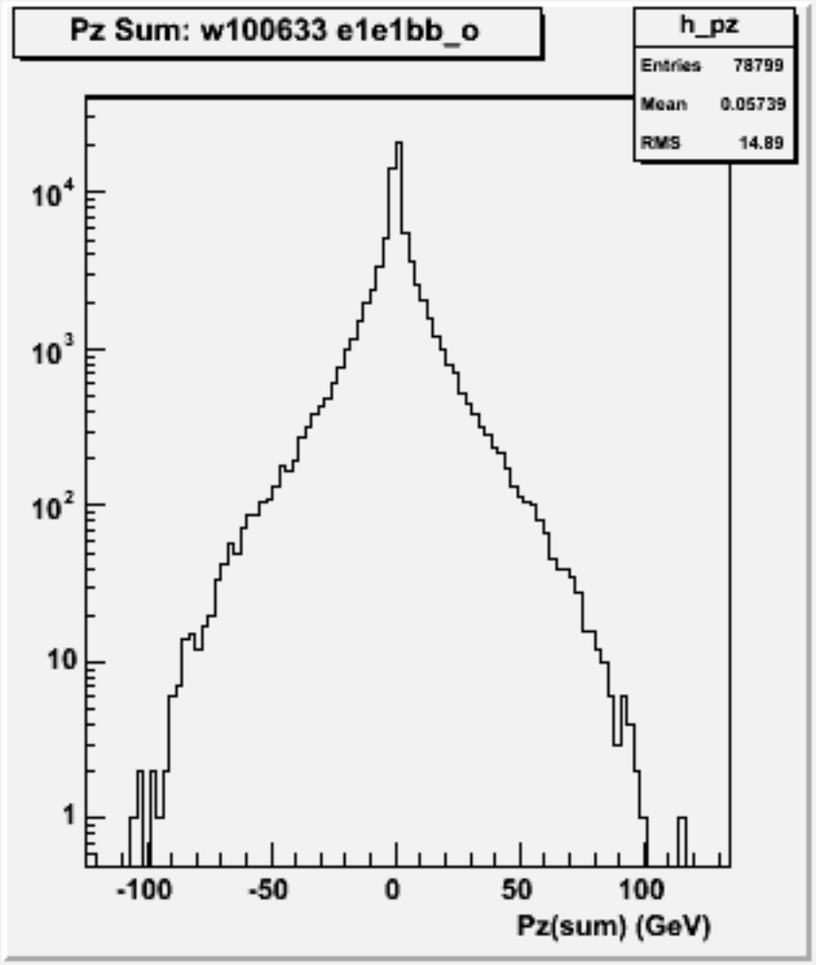

Thrust w100633 e1e1bb_o
h_thrust
Entries 78799
Mean 0.9093
RMS 0.07058
Thrust

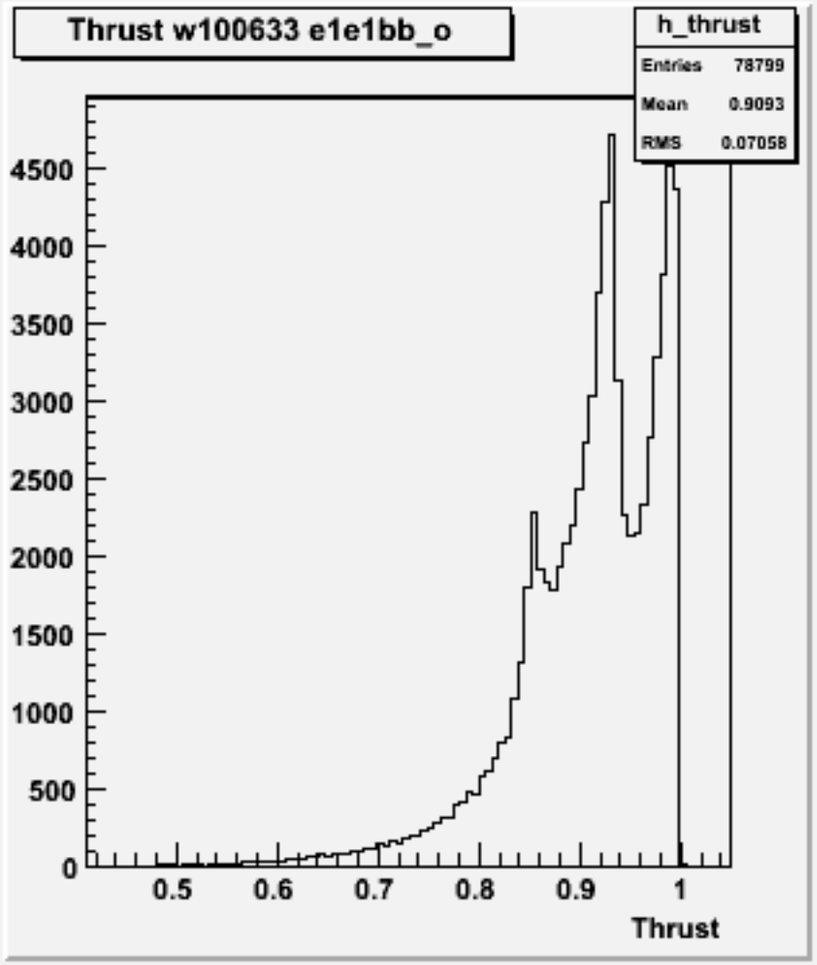

Total Energy (inc. ν): w100633 e1e1bb_o
h_etot
Entries 78799
Mean 347.1
RMS 6.531
Total Energy(GeV)

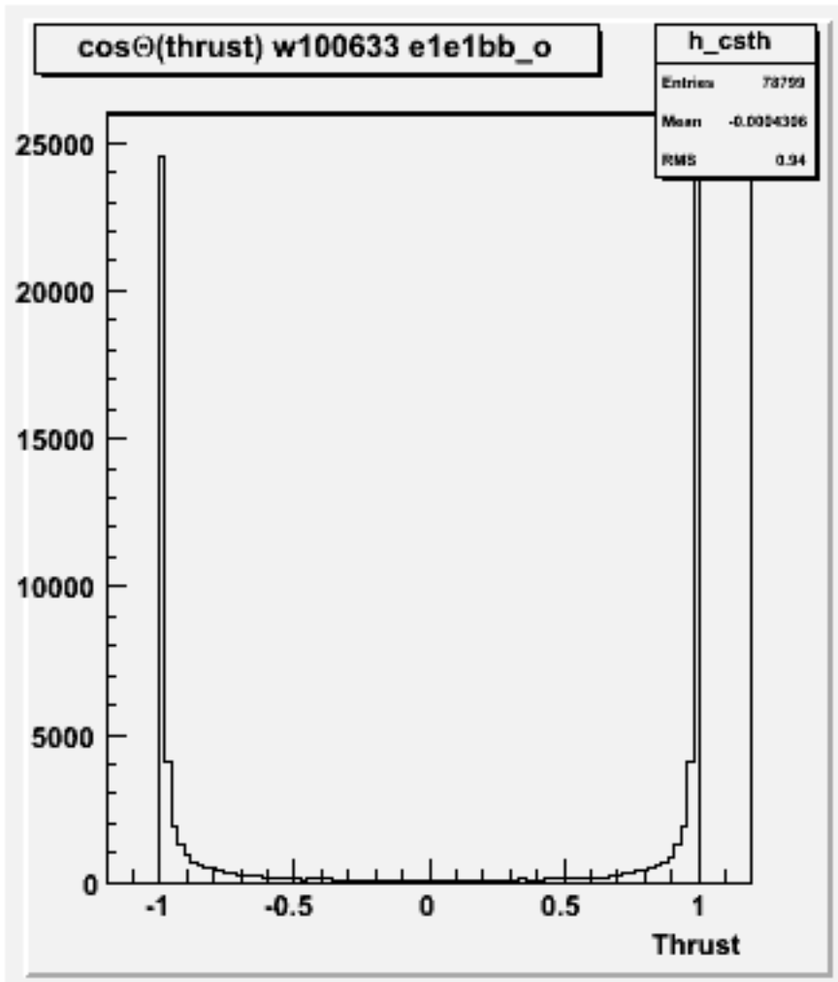

Total Energy (inc. ν): w100633 e1e1bb_o
h_etotc
Entries 72164
Mean 348.7
RMS 2.289
Total Energy(GeV)

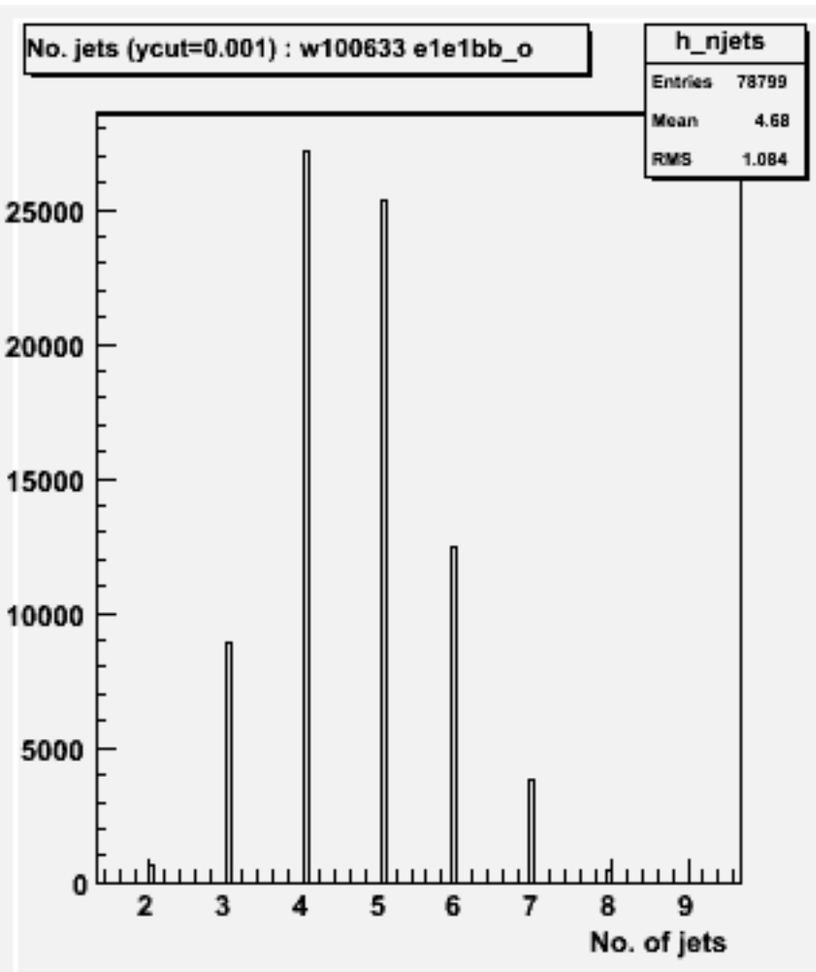

Total Energy (w/o ν): w100633 e1e1bb_o
h_evis
Entries 78799
Mean 338.4
RMS 14.7
Energy(GeV)

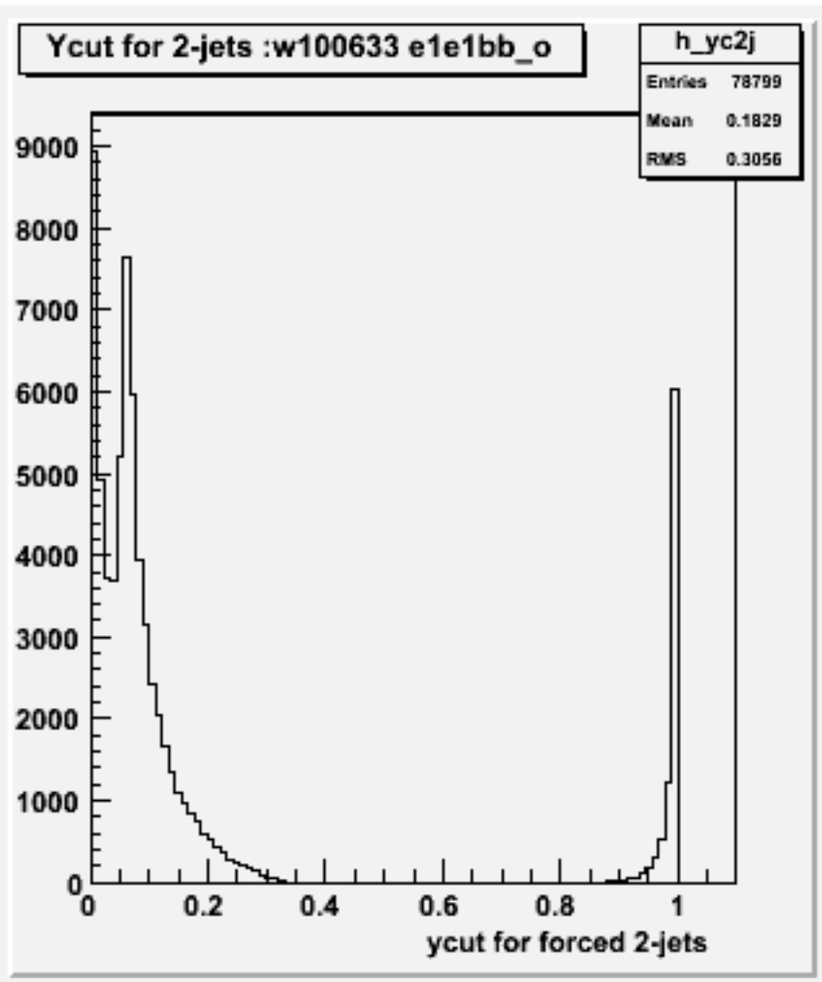

Pt Sum: w100633 e1e1bb_o
h_pt
Entries 78799
Mean 3.503
RMS 5.966
Pt(sum) (GeV)

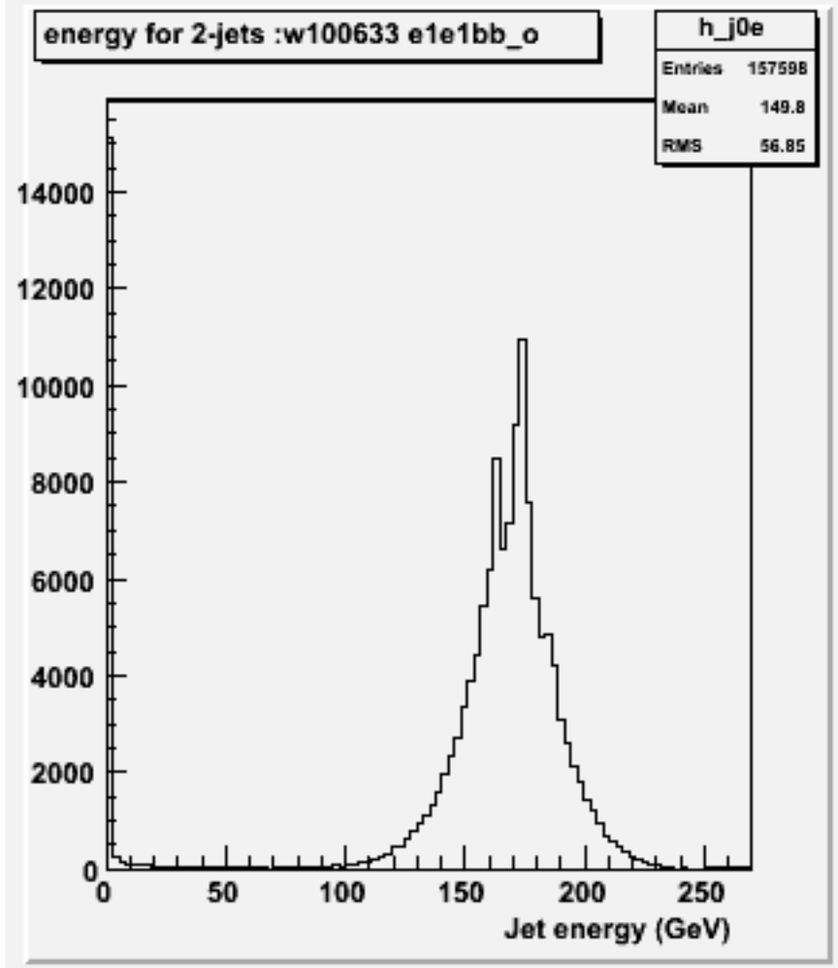

Pz Sum: w100633 e1e1bb_o
h_pz
Entries 78799
Mean 0.05739
RMS 14.89
Pz(sum) (GeV)

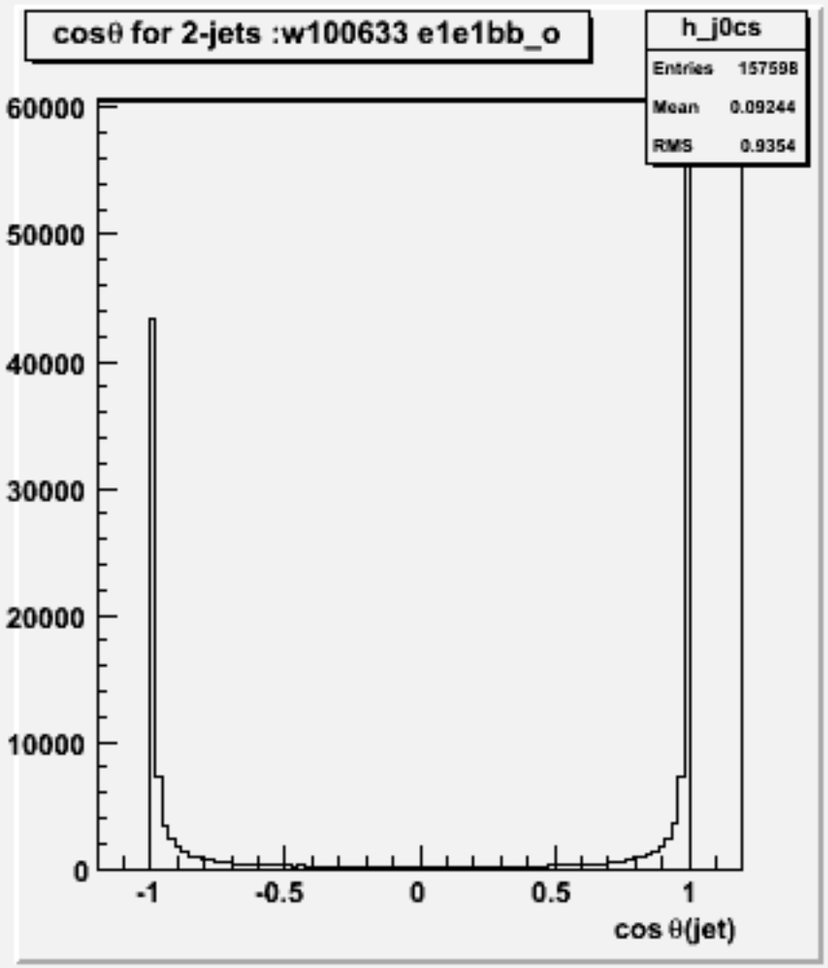

Thrust w100633 e1e1bb_o
h_thrust
Entries 78799
Mean 0.9093
RMS 0.07058
Thrust

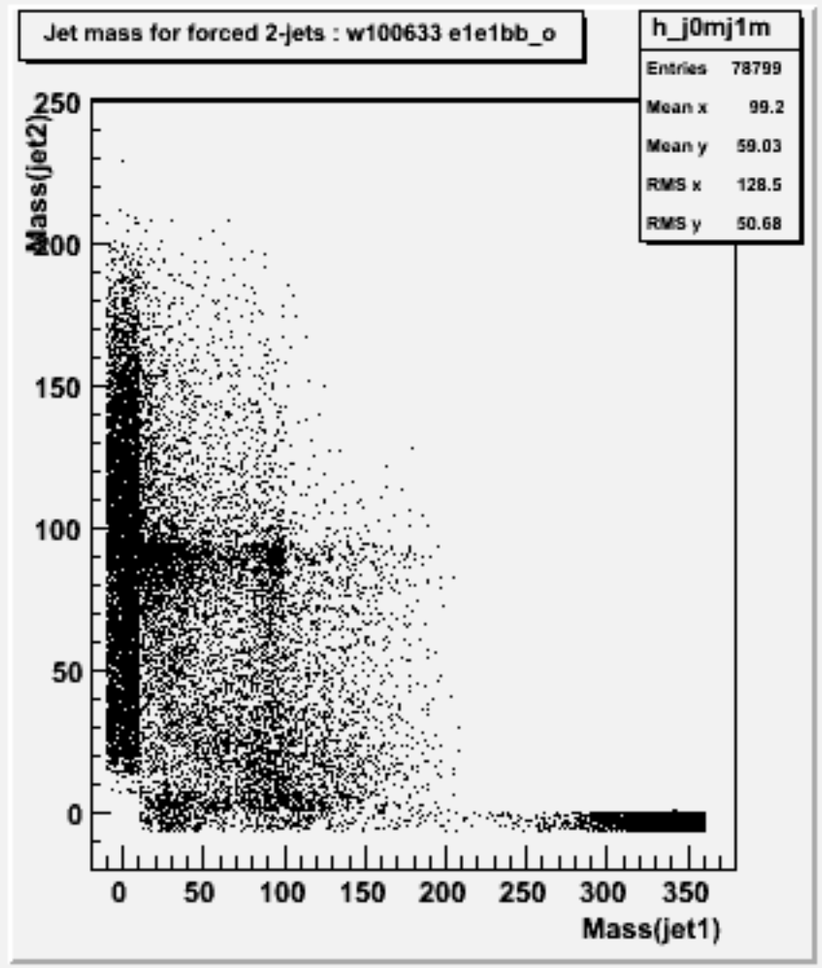

cosΘ(thrust) w100633 e1e1bb_o
h_csth
Entries 78799
Mean -0.0004306
RMS 0.94
25000
20000
15000
10000
5000
0
-1
-0.5
0
0.5
1
Thrust

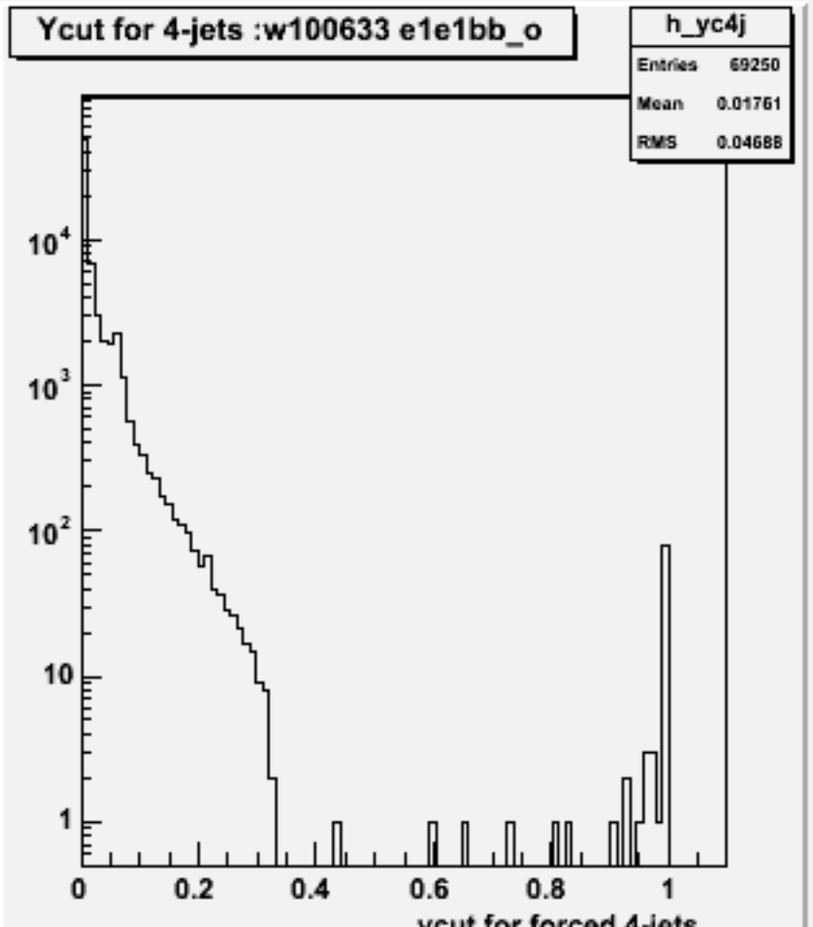

No. jets (ycut=0.001) : w100633 e1e1bb_o
h_njets
Entries 78799
Mean 4.68
RMS 1.084
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
9
No. of jets

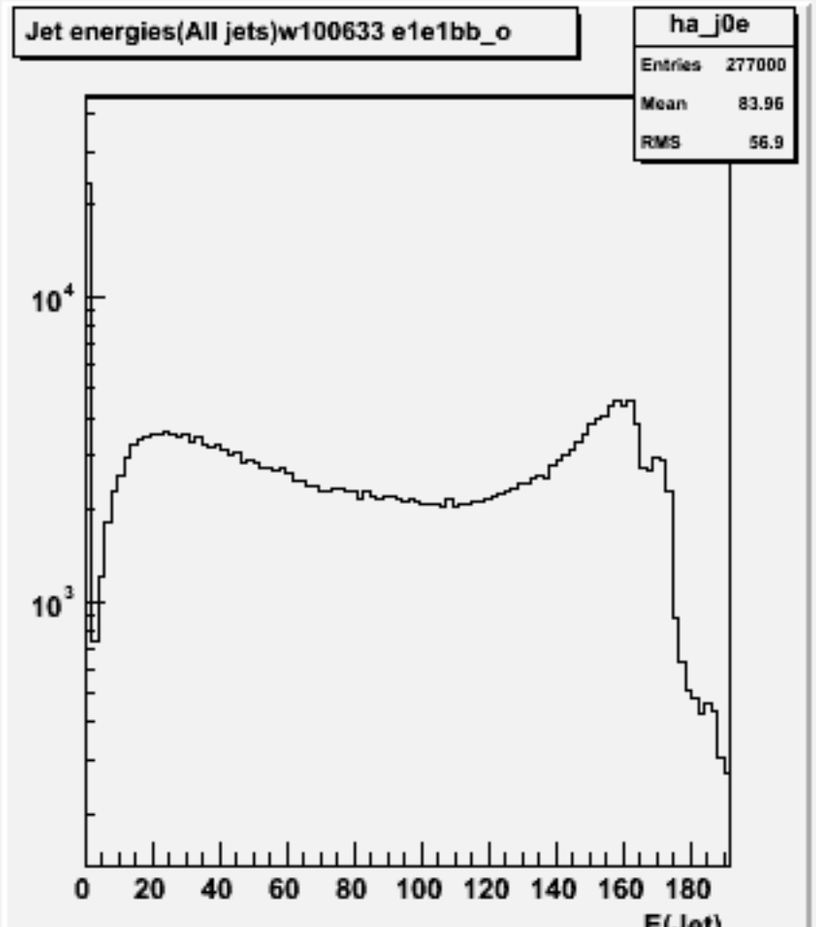

Ycut for 2-jets :w100633 e1e1bb_o
h_yc2j
Entries 78799
Mean 0.1829
RMS 0.3056
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

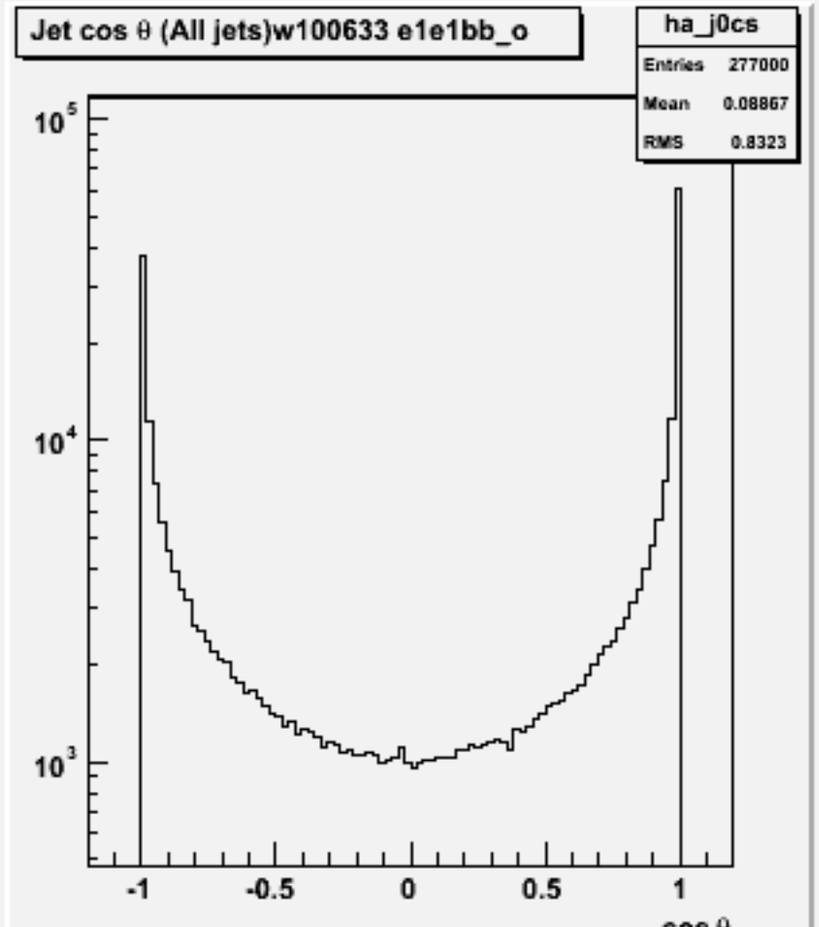

energy for 2-jets :w100633 e1e1bb_o
h_j0e
Entries 157598
Mean 149.8
RMS 56.85
14000
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
250
Jet energy (GeV)

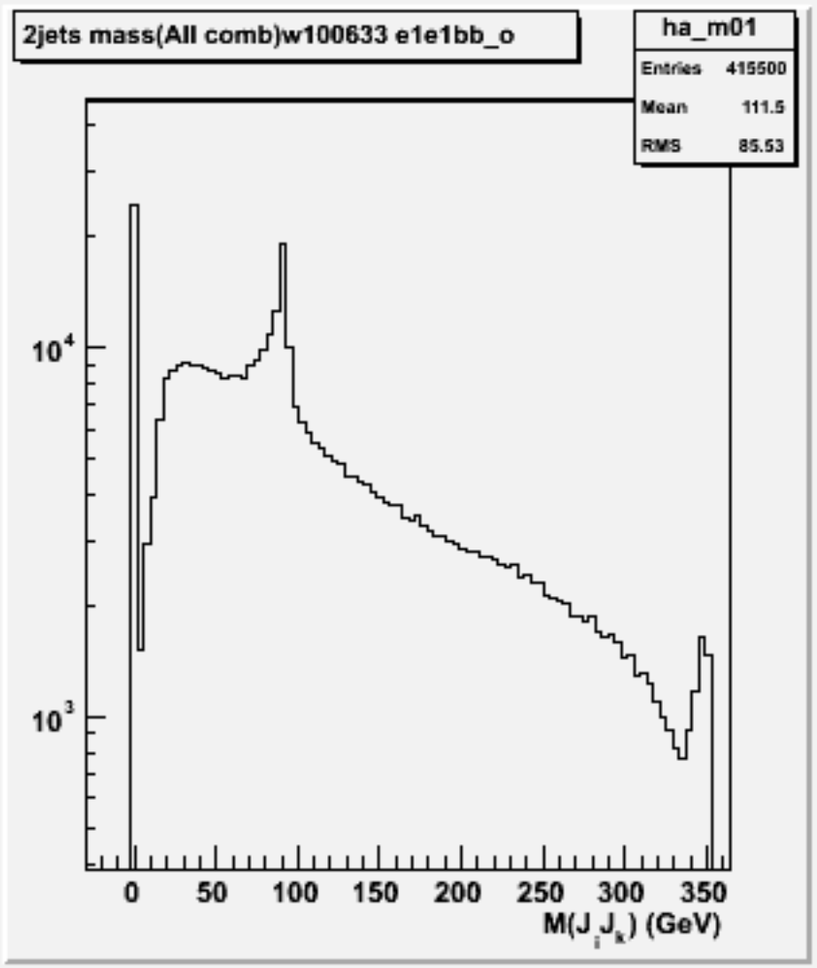

cosθ for 2-jets :w100633 e1e1bb_o
h_j0cs
Entries 157598
Mean 0.09244
RMS 0.9354
60000
50000
40000
30000
20000
10000
0
-1
-0.5
0
0.5
1
cos θ(jet)

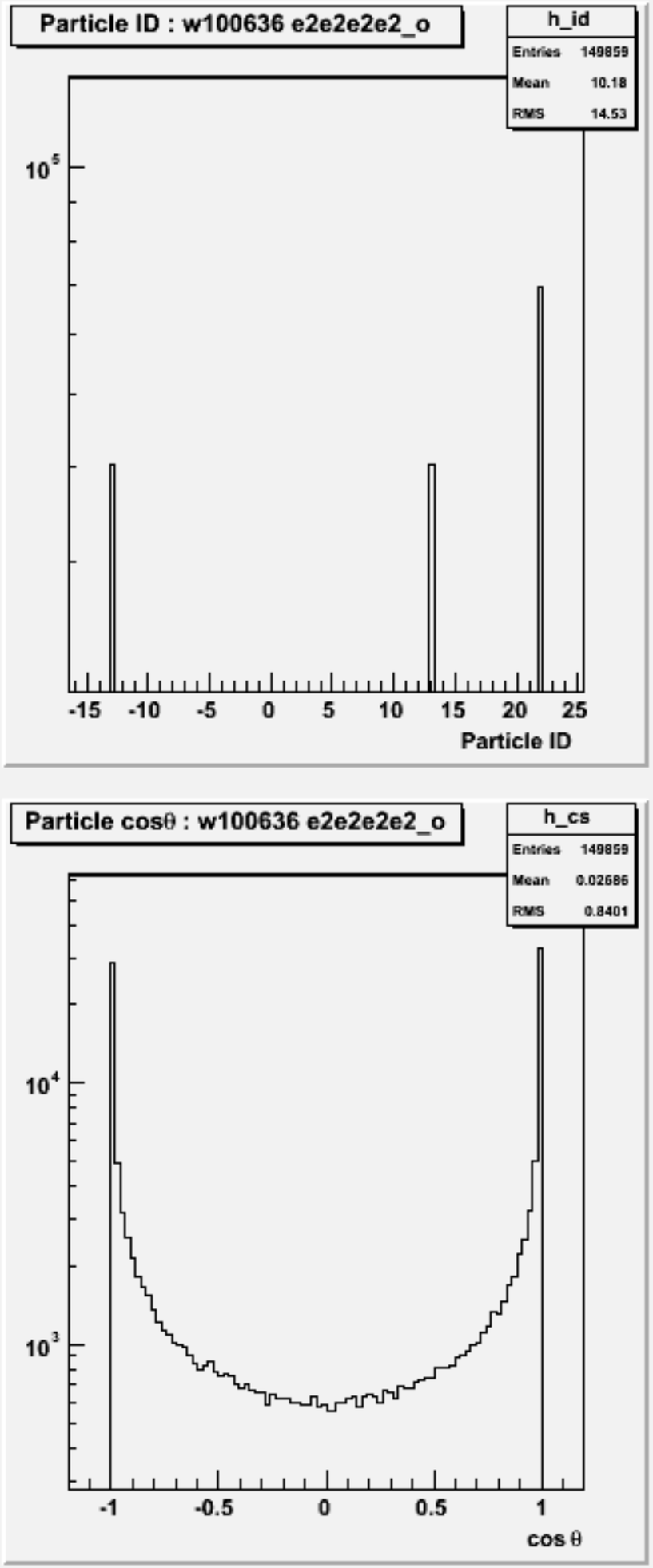

Jet mass for forced 2-jets : w100633 e1e1bb_o
h_j0mj1m
Entries 78799
Mean x 99.2
Mean y 59.03
RMS x 128.5
RMS y 50.68
Mass(jet2)
250
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

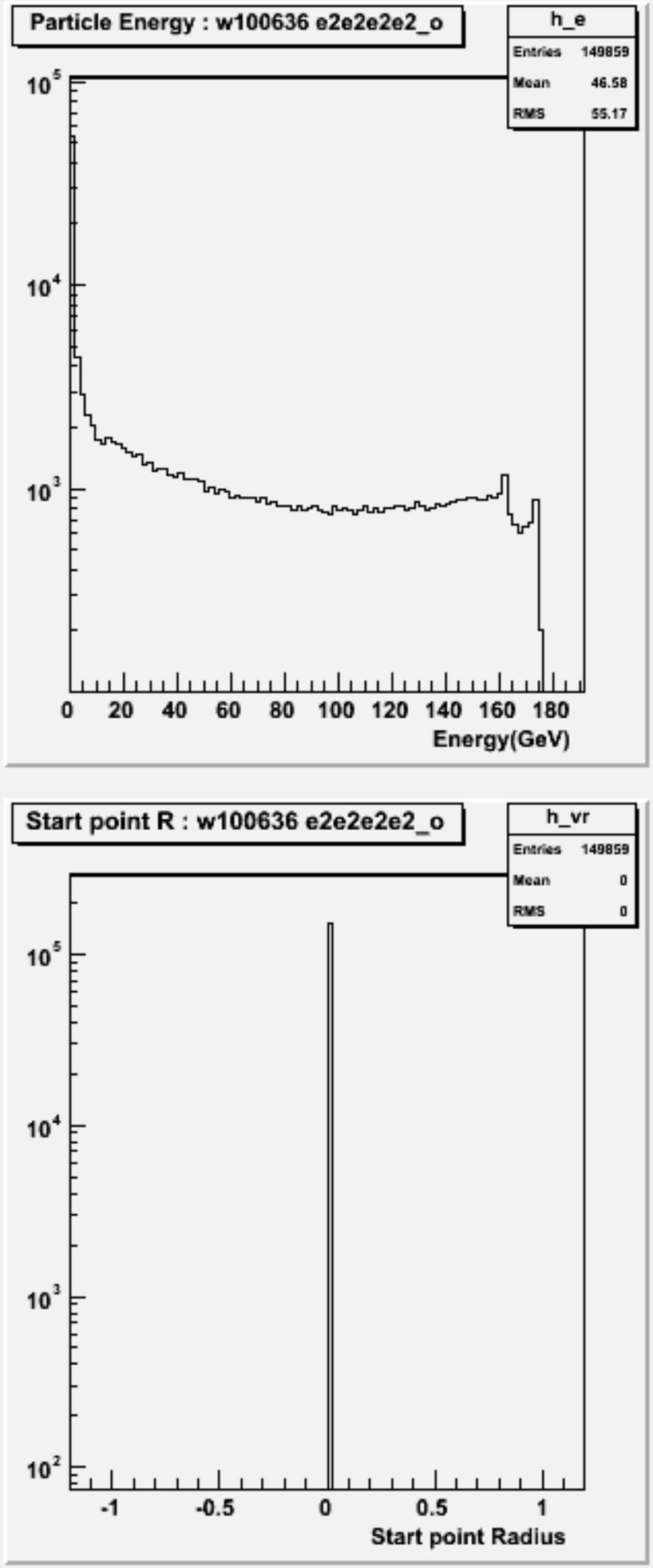

Ycut for 4-jets :w100633 e1e1bb_o
h_yc4j
Entries 69250
Mean 0.01761
RMS 0.04688
ycut for forced 4-jets

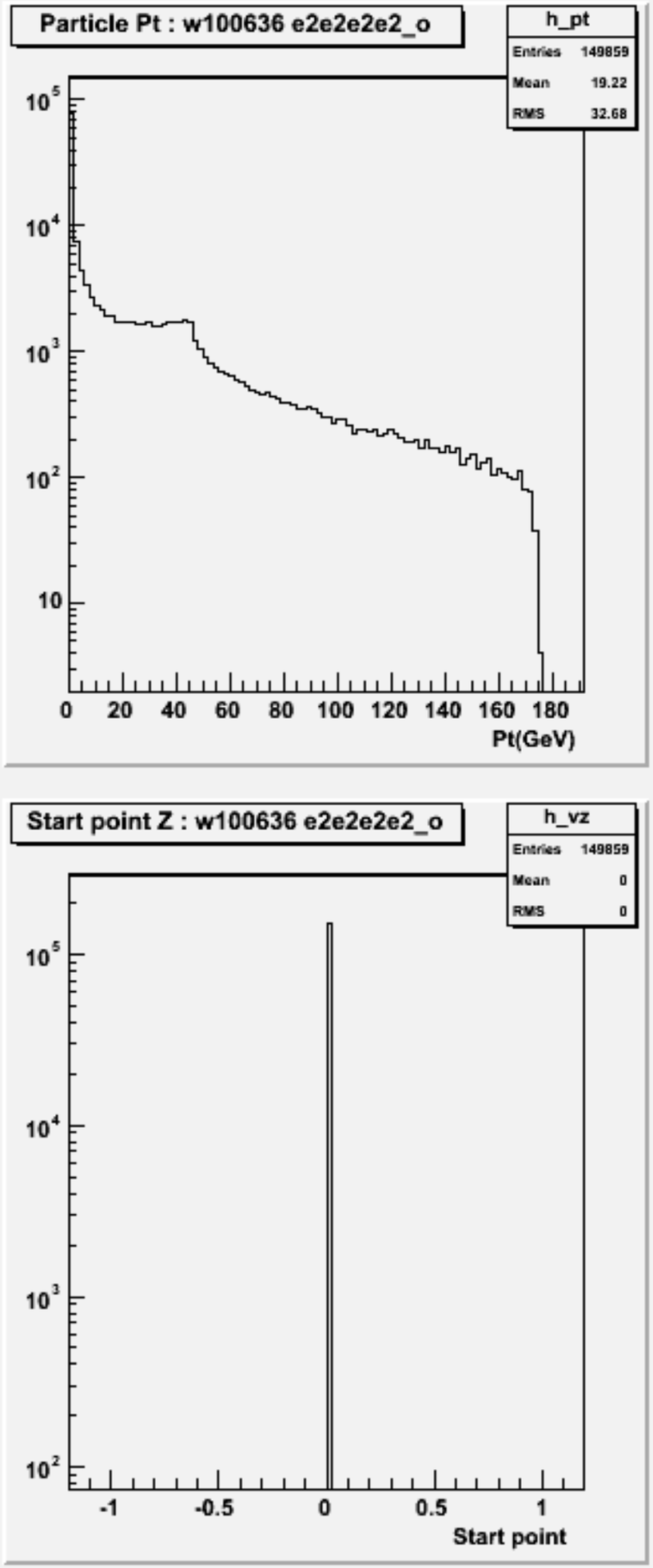

Jet energies(All jets)w100633 e1e1bb_o
ha_j0e
Entries 277000
Mean 83.96
RMS 56.9
E(Jet)


Jet cos θ (All jets)w100633 e1e1bb_o
ha_j0cs
Entries 277000
Mean 0.08867
RMS 0.8323
cos θ


2jets mass(All comb)w100633 e1e1bb_o
ha_m01
Entries 415500
Mean 111.5
RMS 85.53
M(J_iJ_k) (GeV)


Particle ID : w100636 e2e2e2e2_o
h_id
Entries 149859
Mean 10.18
RMS 14.53
10^5
-15 -10 -5 0 5 10 15 20 25
Particle ID

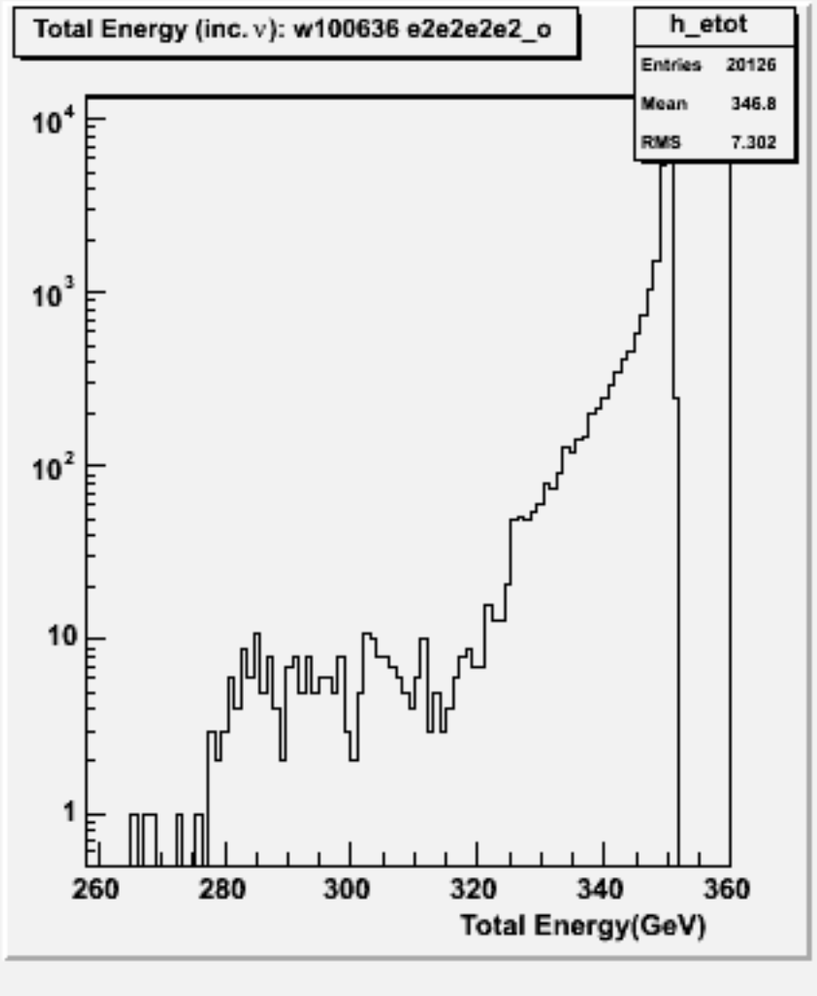

Particle Energy : w100636 e2e2e2e2_o
h_e
Entries 149859
Mean 46.58
RMS 55.17
10^5
10^4
10^3
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

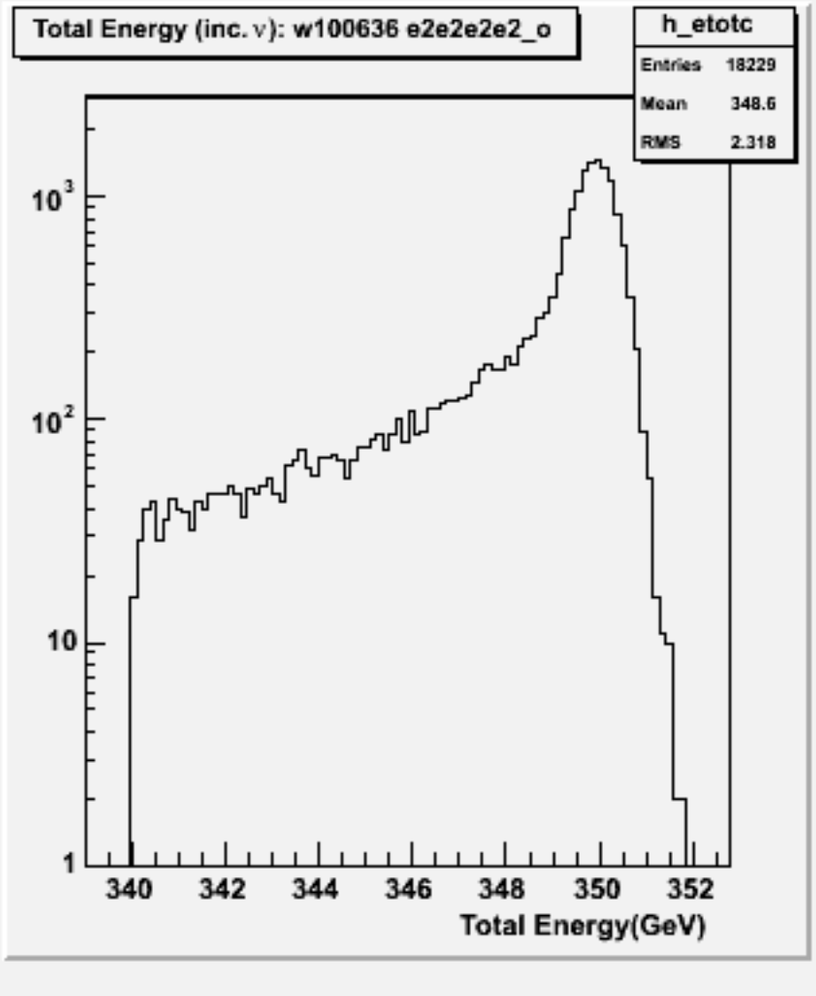

Particle Pt : w100636 e2e2e2e2_o
h_pt
Entries 149859
Mean 19.22
RMS 32.68
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

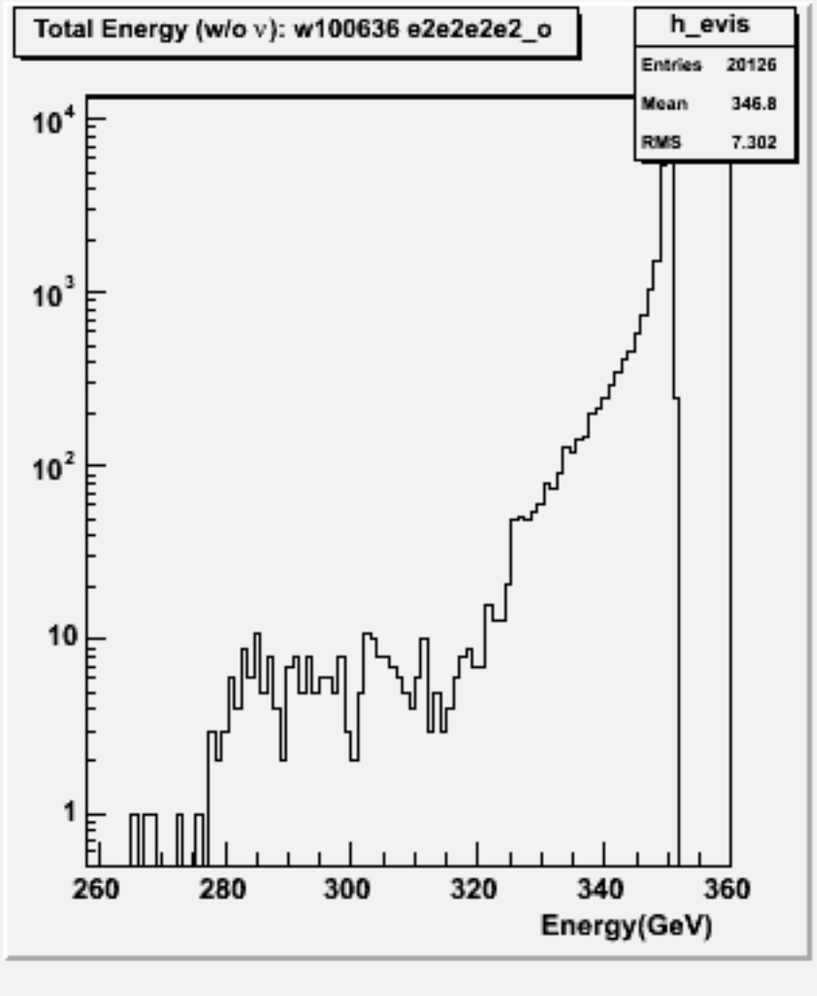
Particle cosθ : w100636 e2e2e2e2_o
h_cs
Entries 149859
Mean 0.02686
RMS 0.8401
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

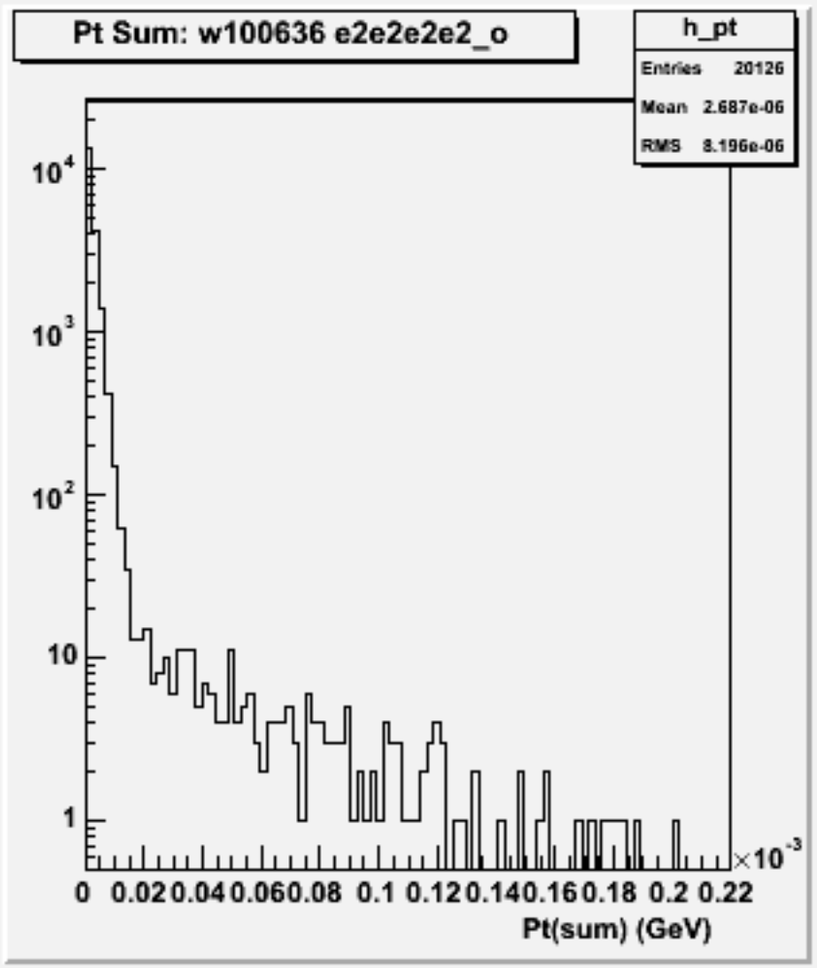
Start point R : w100636 e2e2e2e2_o
h_vr
Entries 149859
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

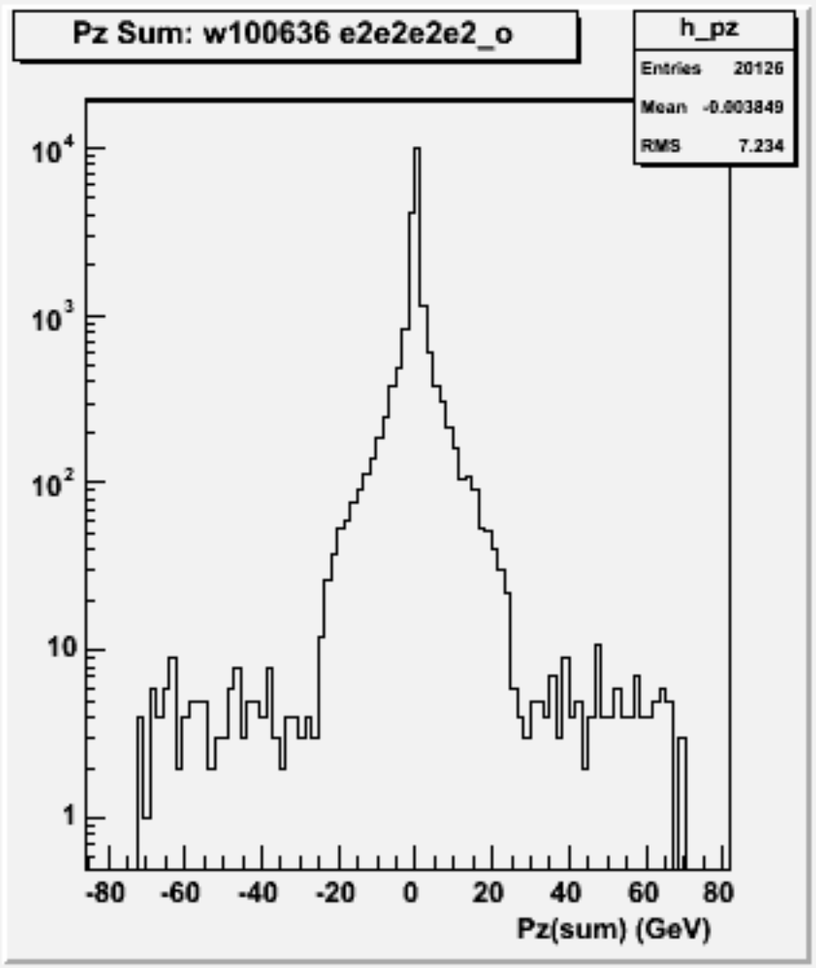
Start point Z : w100636 e2e2e2e2_o
h_vz
Entries 149859
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

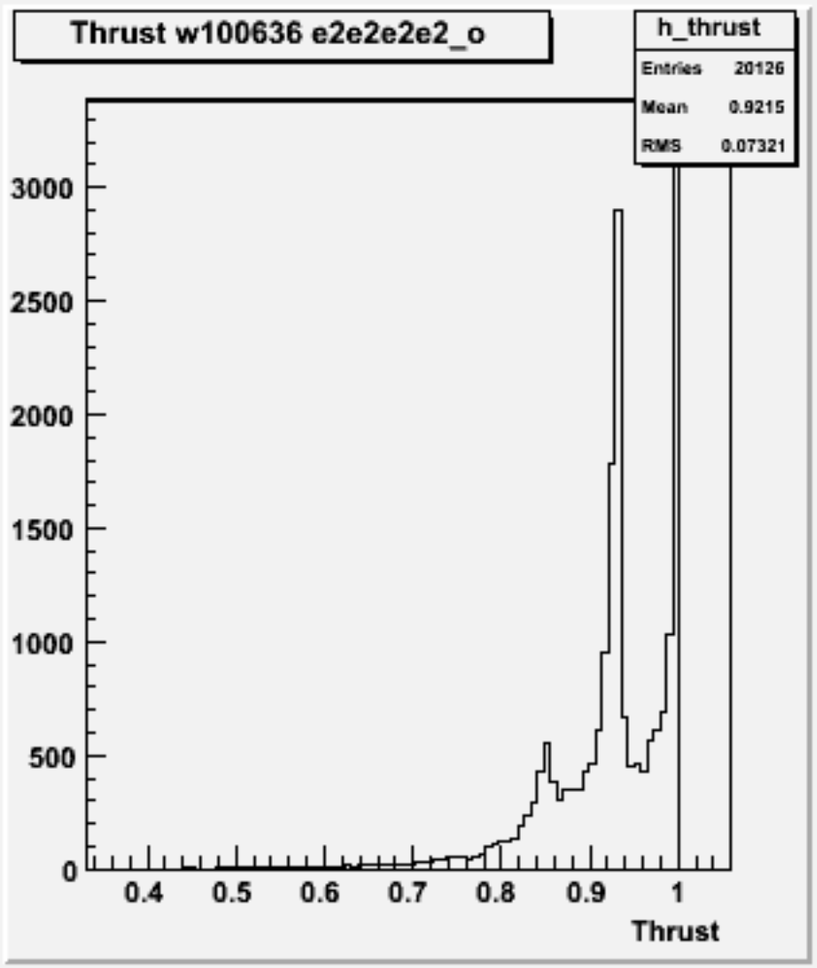

Total Energy (inc. ν): w100636 e2e2e2e2_o
h_etot
Entries 20126
Mean 346.8
RMS 7.302
Total Energy(GeV)

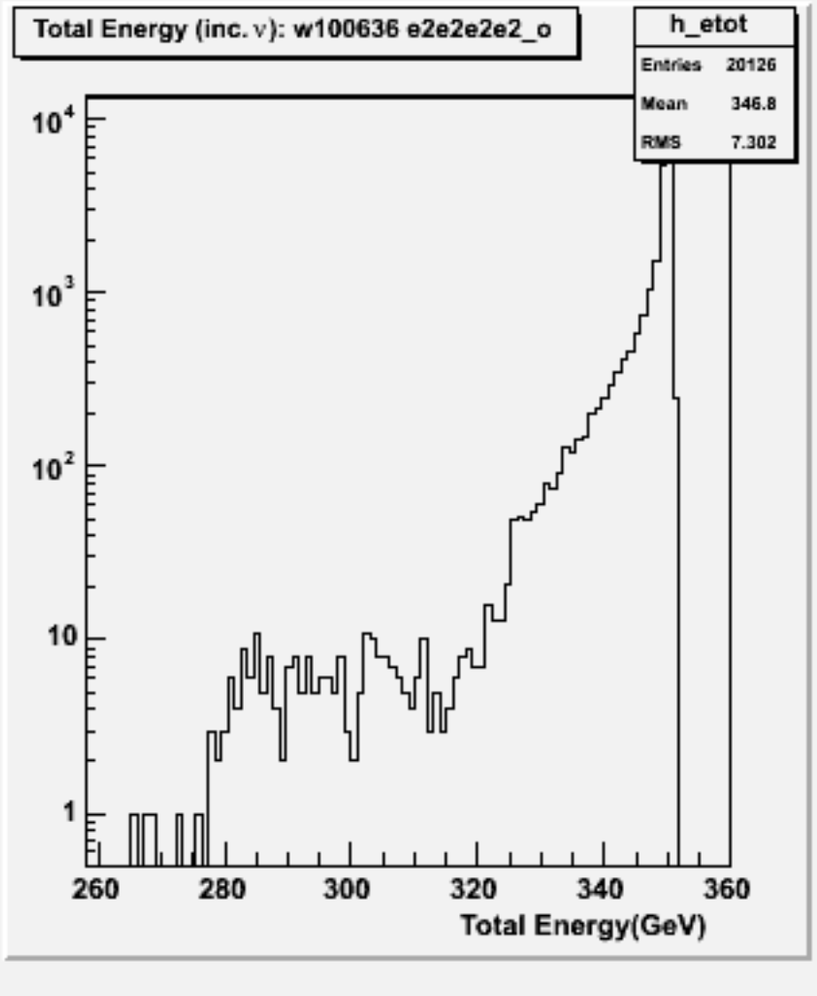

Total Energy (inc. ν): w100636 e2e2e2e2_o
h_etotc
Entries 18229
Mean 348.6
RMS 2.318
Total Energy(GeV)

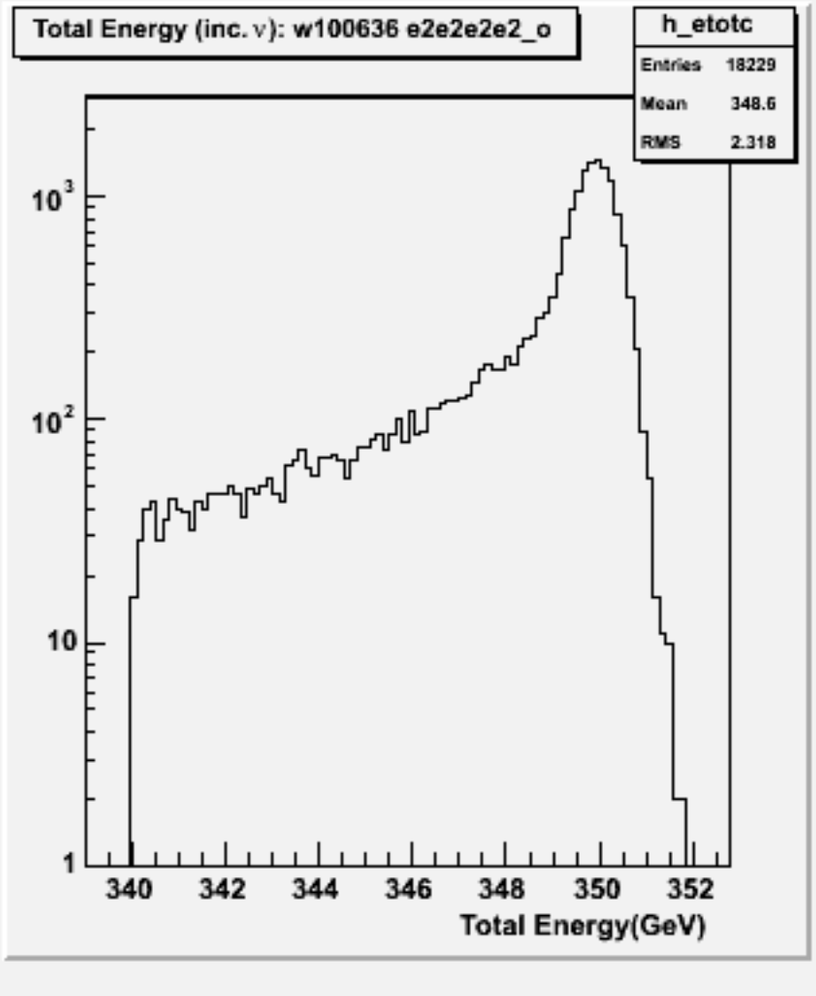

Total Energy (w/o ν): w100636 e2e2e2e2_o
h_evis
Entries 20126
Mean 346.8
RMS 7.302
Energy(GeV)

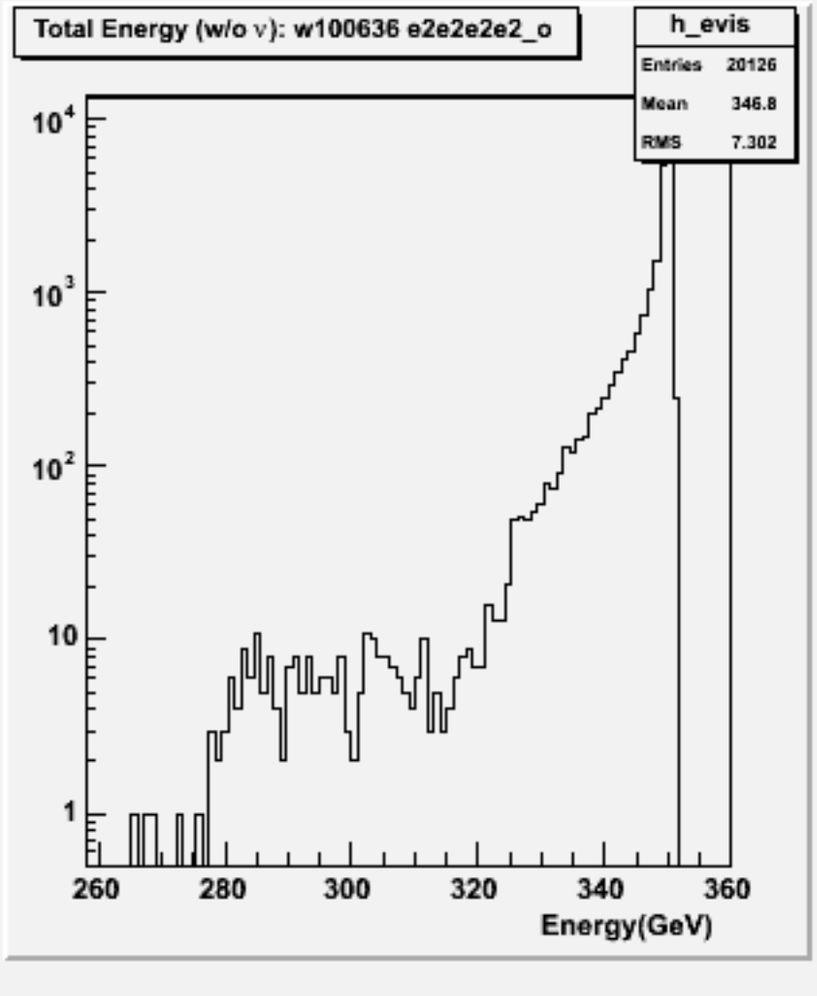

Pt Sum: w100636 e2e2e2e2_o
h_pt
Entries 20126
Mean 2.687e-06
RMS 8.196e-06
×10⁻³
Pt(sum) (GeV)

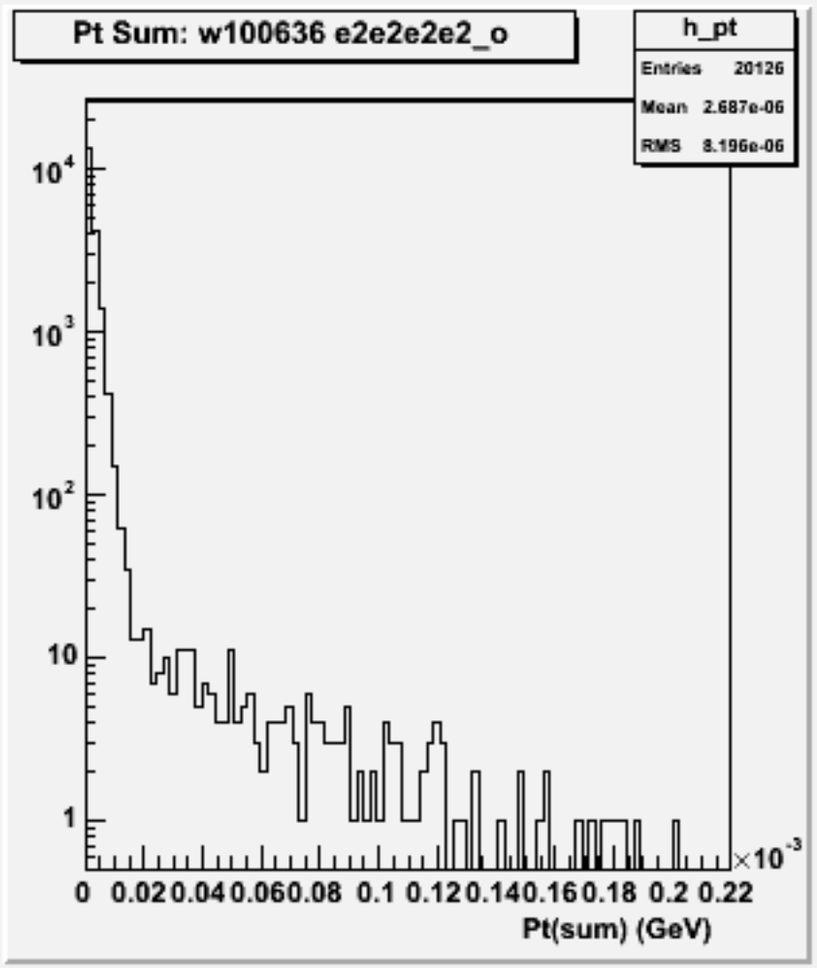

Pz Sum: w100636 e2e2e2e2_o
h_pz
Entries 20126
Mean -0.003849
RMS 7.234
Pz(sum) (GeV)

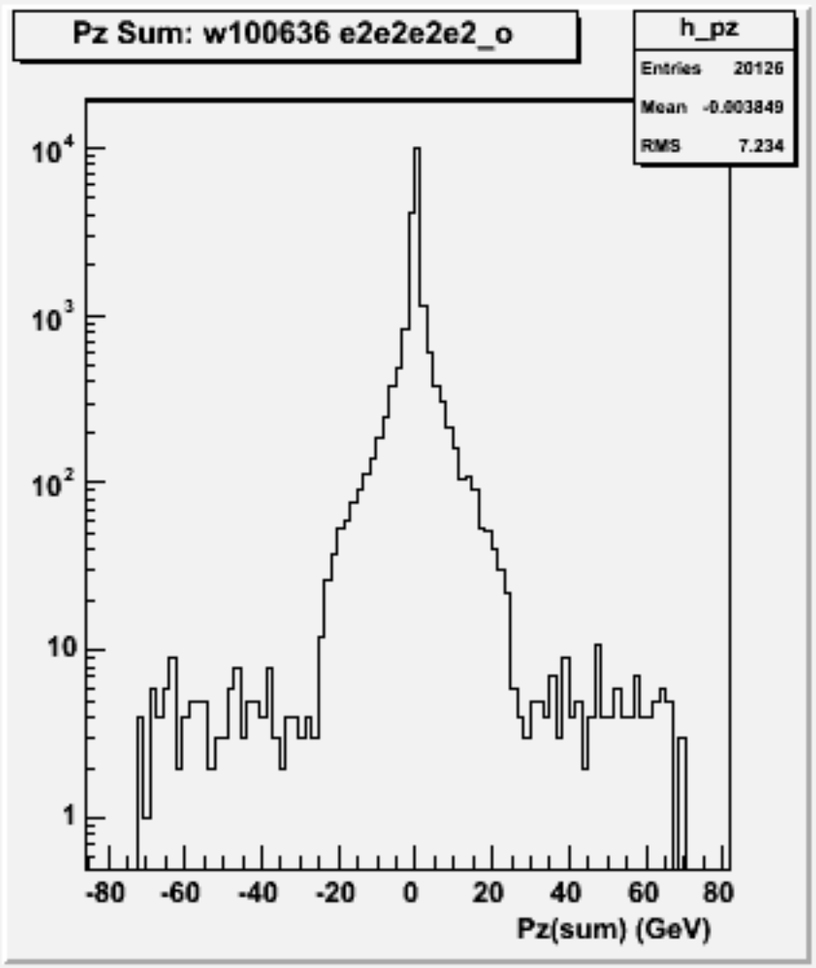

Thrust w100636 e2e2e2e2_o
h_thrust
Entries 20126
Mean 0.9215
RMS 0.07321
Thrust

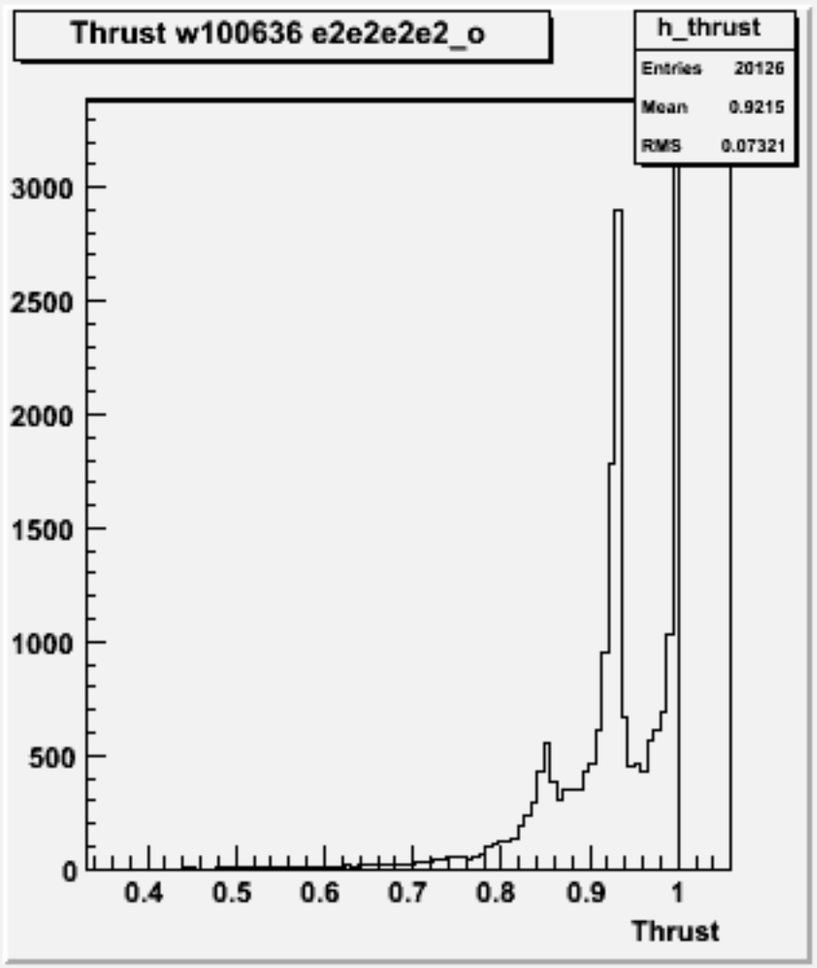

Total Energy (inc. ν): w100636 e2e2e2e2_o
h_etot
Entries 20126
Mean 346.8
RMS 7.302
Total Energy(GeV)

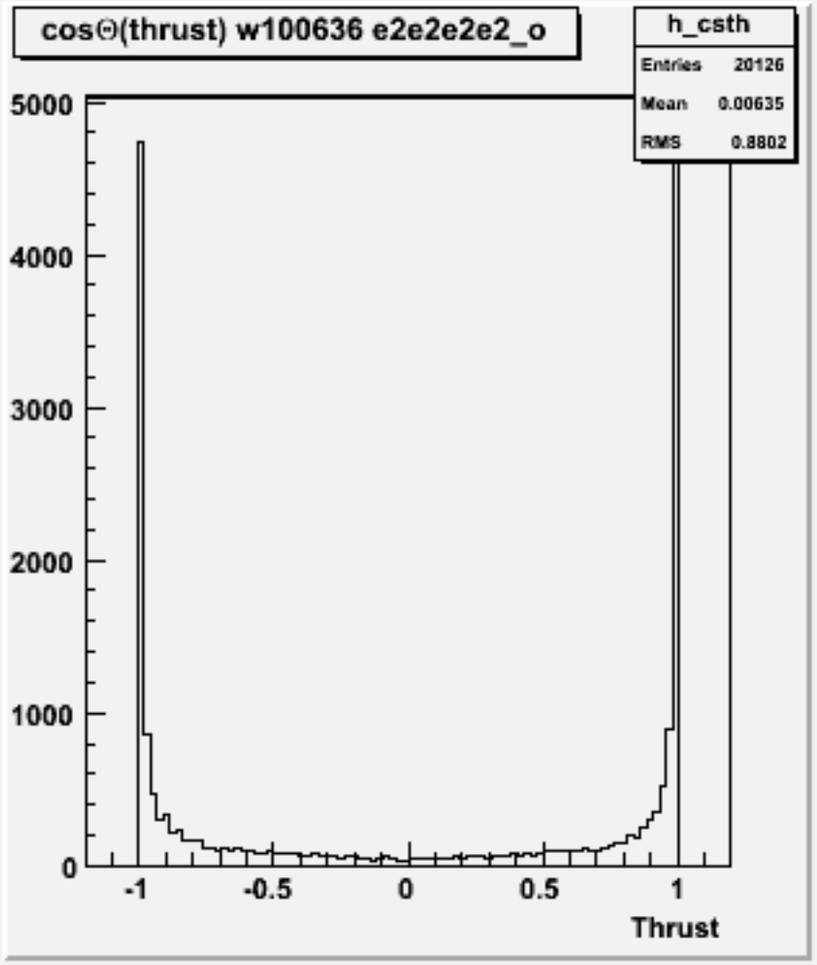

Total Energy (inc. ν): w100636 e2e2e2e2_o
h_etotc
Entries 18229
Mean 348.6
RMS 2.318
Total Energy(GeV)

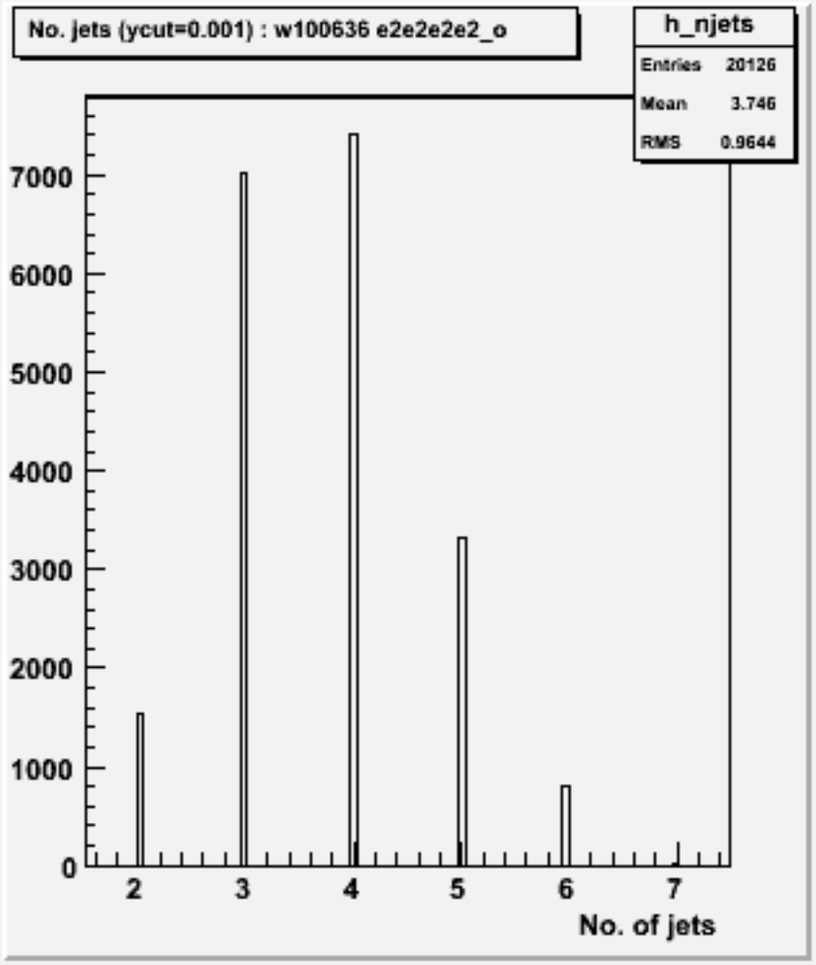

Total Energy (w/o ν): w100636 e2e2e2e2_o
h_evis
Entries 20126
Mean 346.8
RMS 7.302
Energy(GeV)

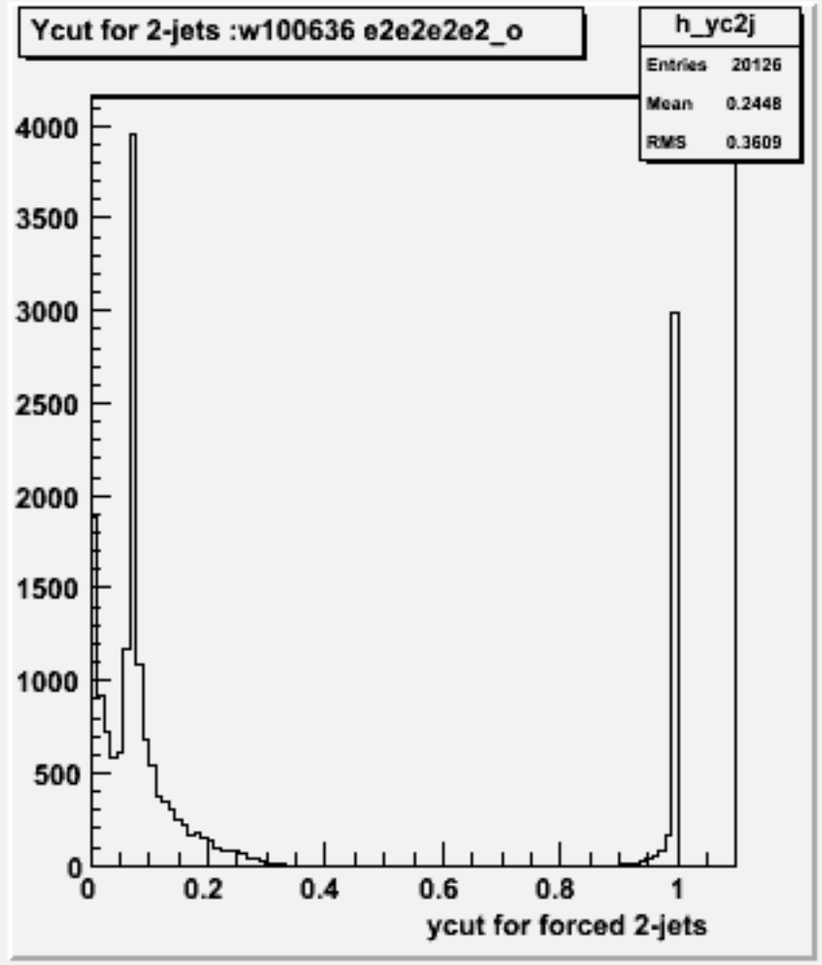

Pt Sum: w100636 e2e2e2e2_o
h_pt
Entries 20126
Mean 2.687e-06
RMS 8.196e-06
×10⁻³
Pt(sum) (GeV)

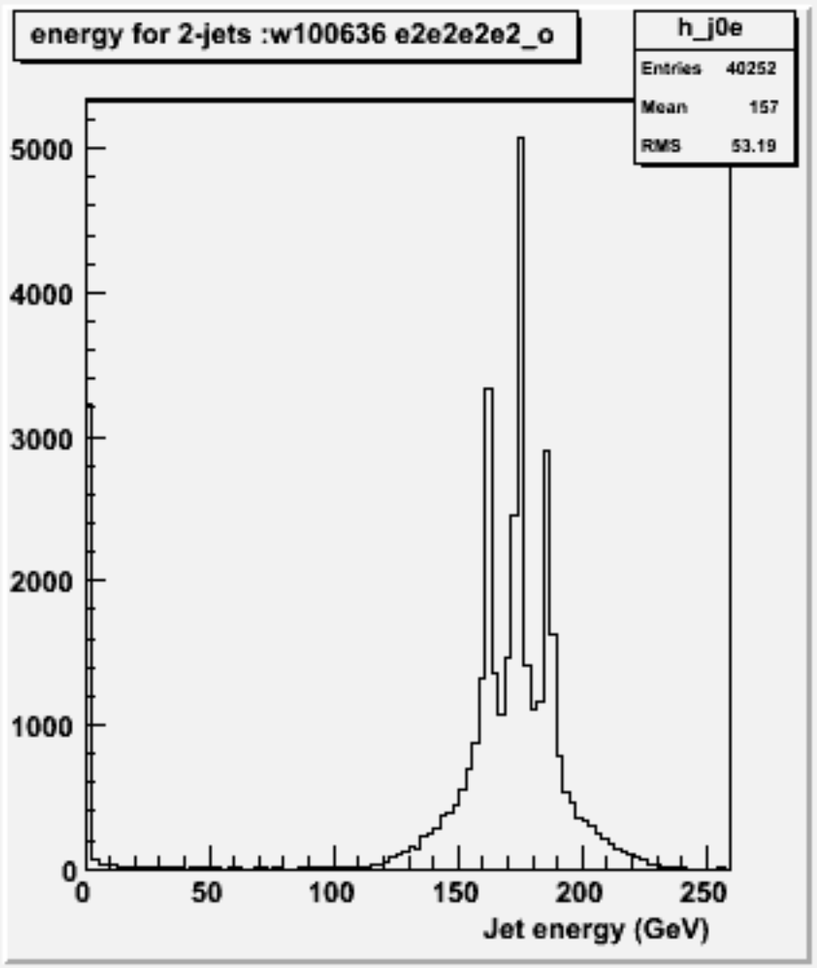

Pz Sum: w100636 e2e2e2e2_o
h_pz
Entries 20126
Mean -0.003849
RMS 7.234
Pz(sum) (GeV)

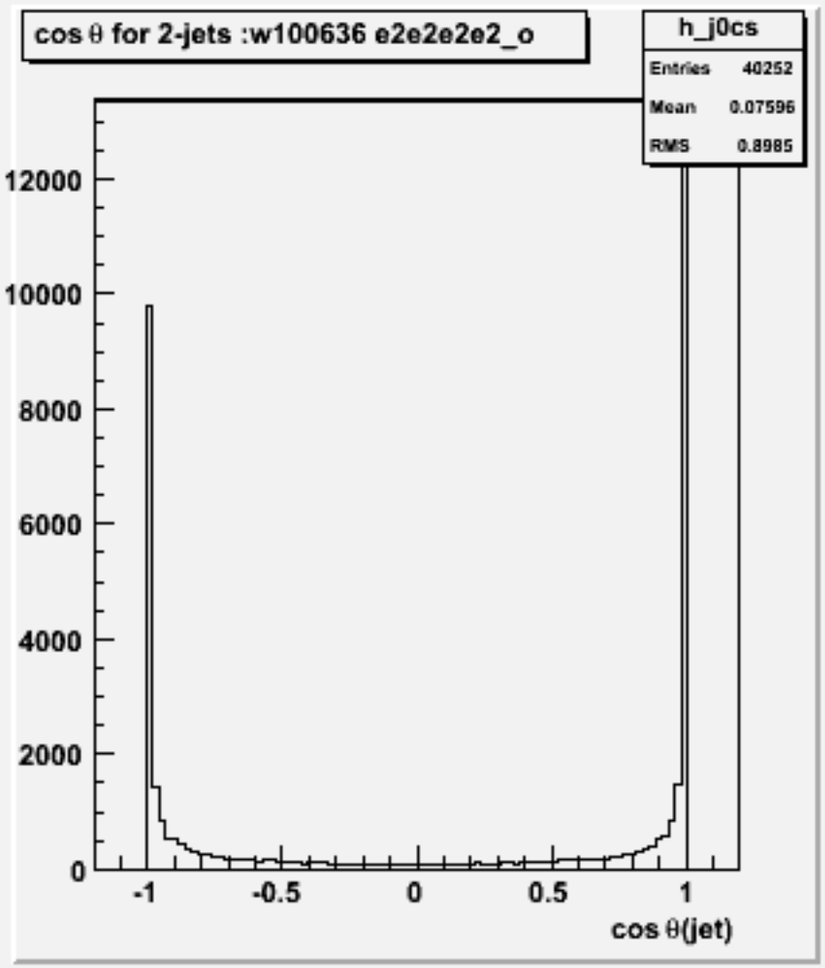

Thrust w100636 e2e2e2e2_o
h_thrust
Entries 20126
Mean 0.9215
RMS 0.07321
Thrust

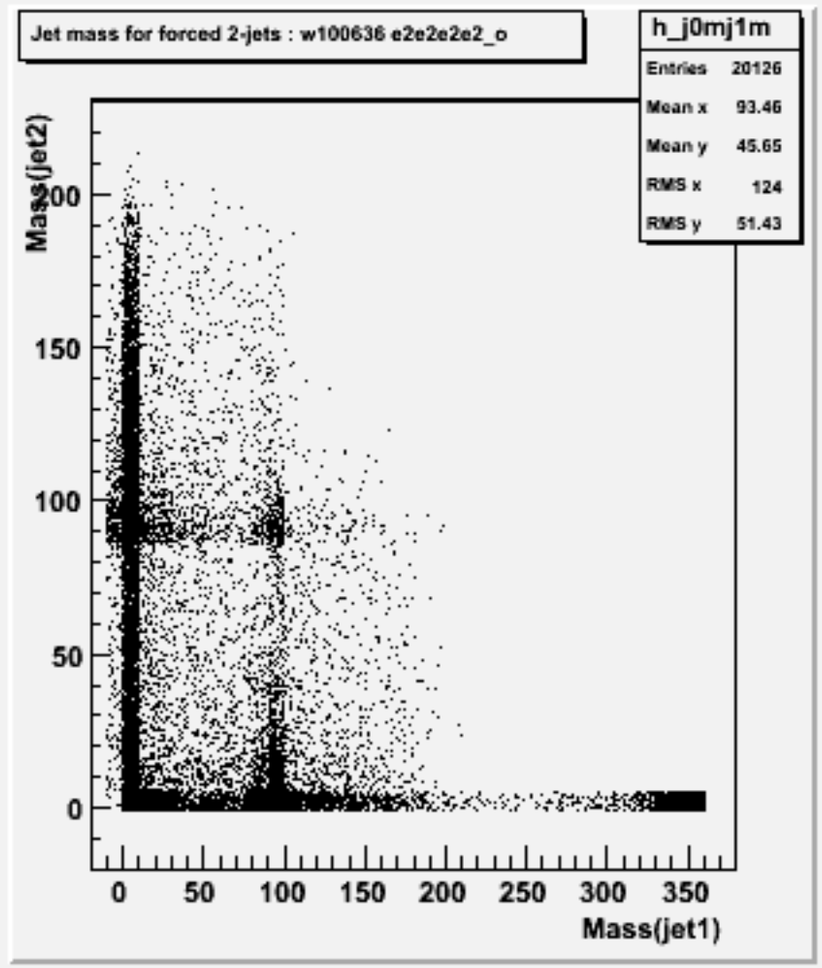

cosΘ(thrust) w100636 e2e2e2e2_o
h_csth
Entries 20126
Mean 0.00635
RMS 0.8802
Thrust

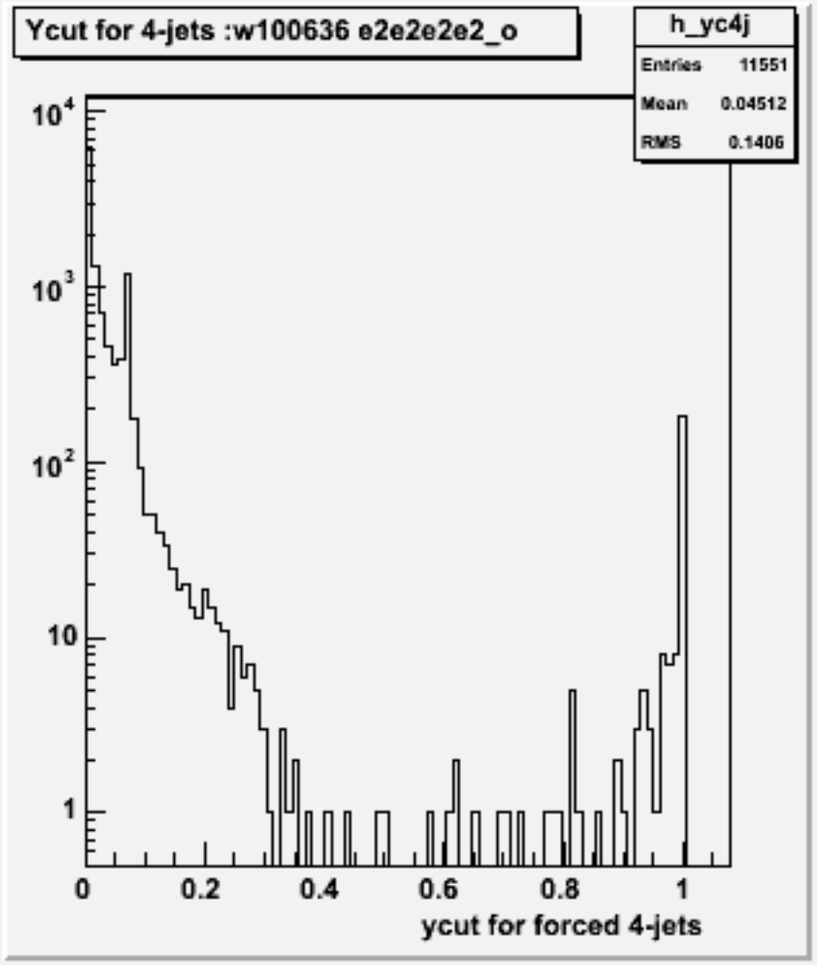

No. jets (ycut=0.001) : w100636 e2e2e2e2_o
h_njets
Entries 20126
Mean 3.746
RMS 0.9644
No. of jets

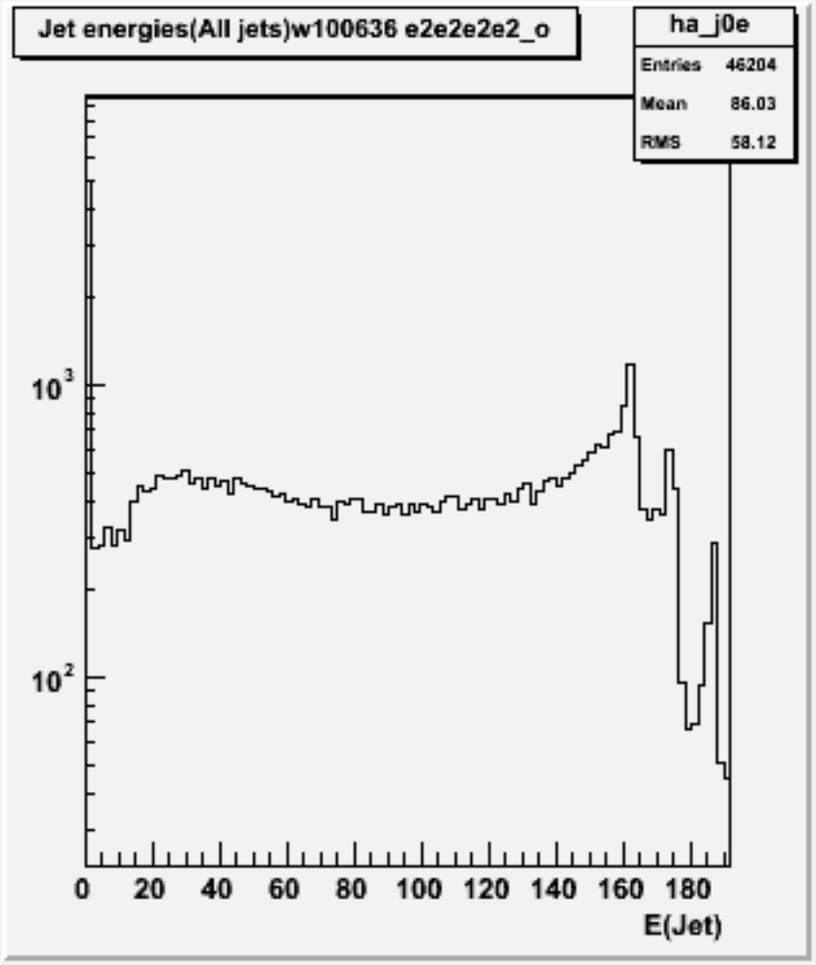

Ycut for 2-jets :w100636 e2e2e2e2_o
h_yc2j
Entries 20126
Mean 0.2448
RMS 0.3609
ycut for forced 2-jets

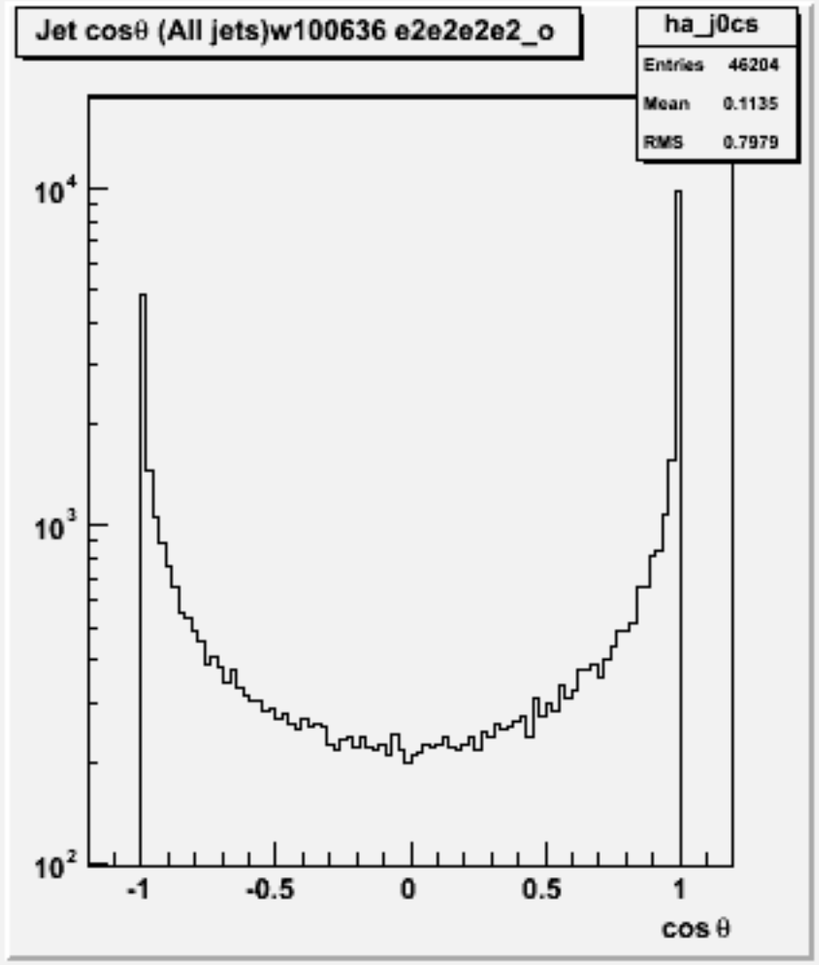

energy for 2-jets :w100636 e2e2e2e2_o
h_j0e
Entries 40252
Mean 157
RMS 53.19
Jet energy (GeV)

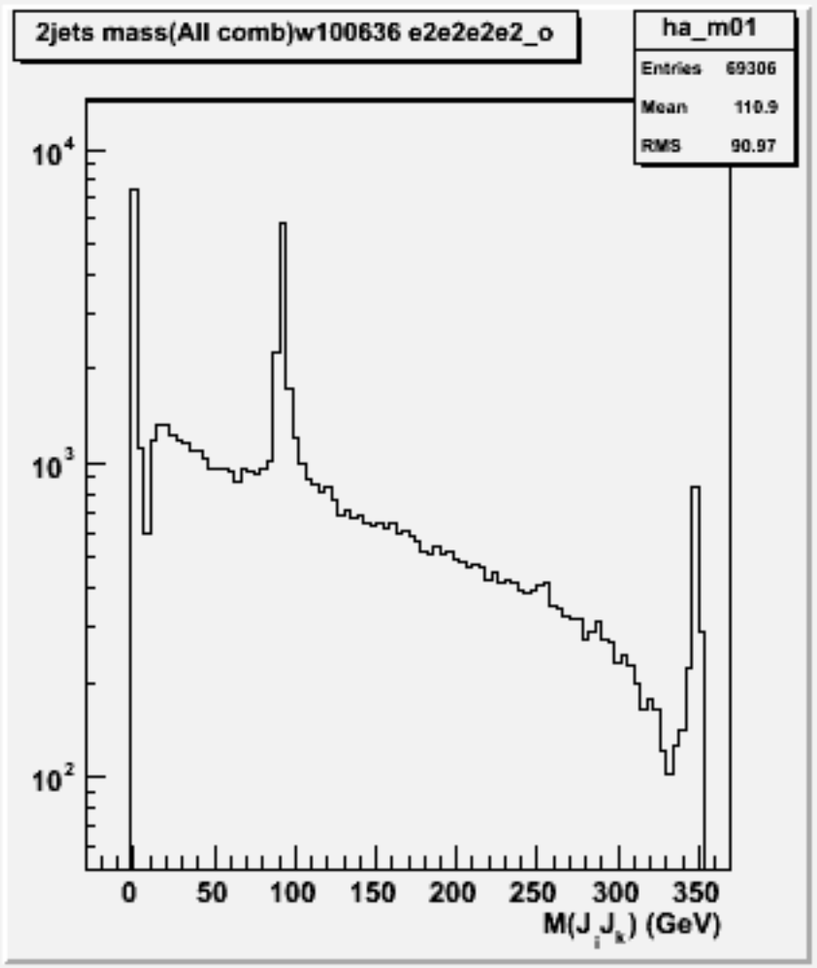

cos θ for 2-jets :w100636 e2e2e2e2_o
h_j0cs
Entries 40252
Mean 0.07596
RMS 0.8985
cos θ(jet)

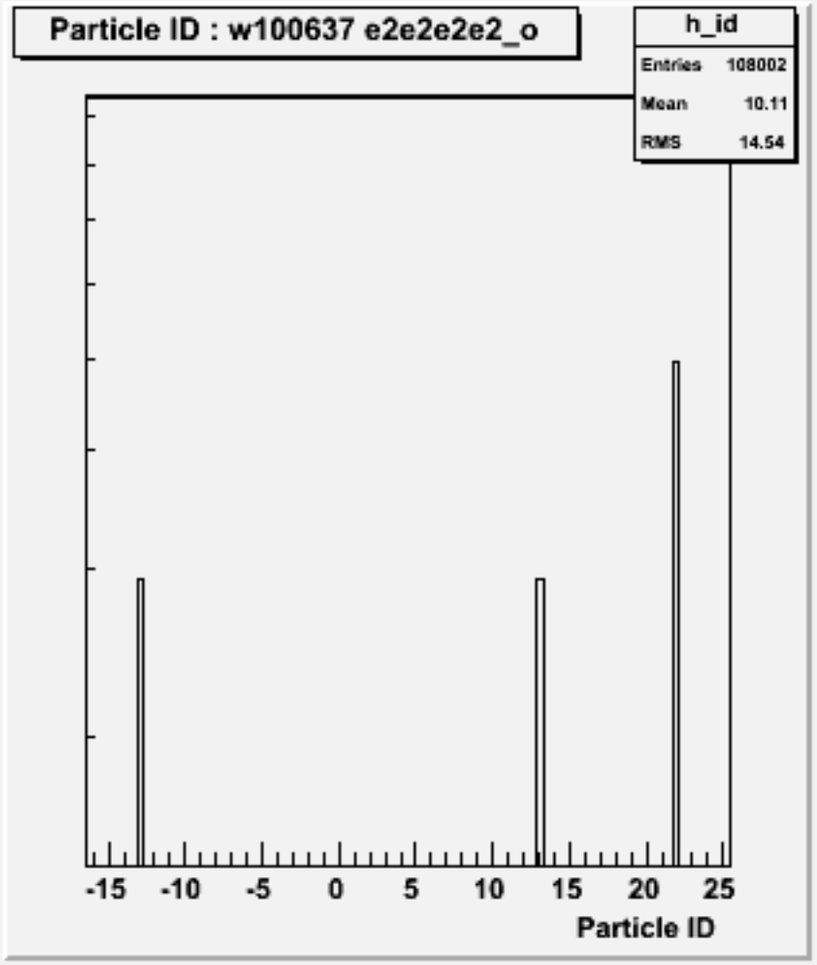

Jet mass for forced 2-jets : w100636 e2e2e2e2_o
h_j0mj1m
Entries 20126
Mean x 93.46
Mean y 45.65
RMS x 124
RMS y 51.43
Mass(jet2)
Mass(jet1)

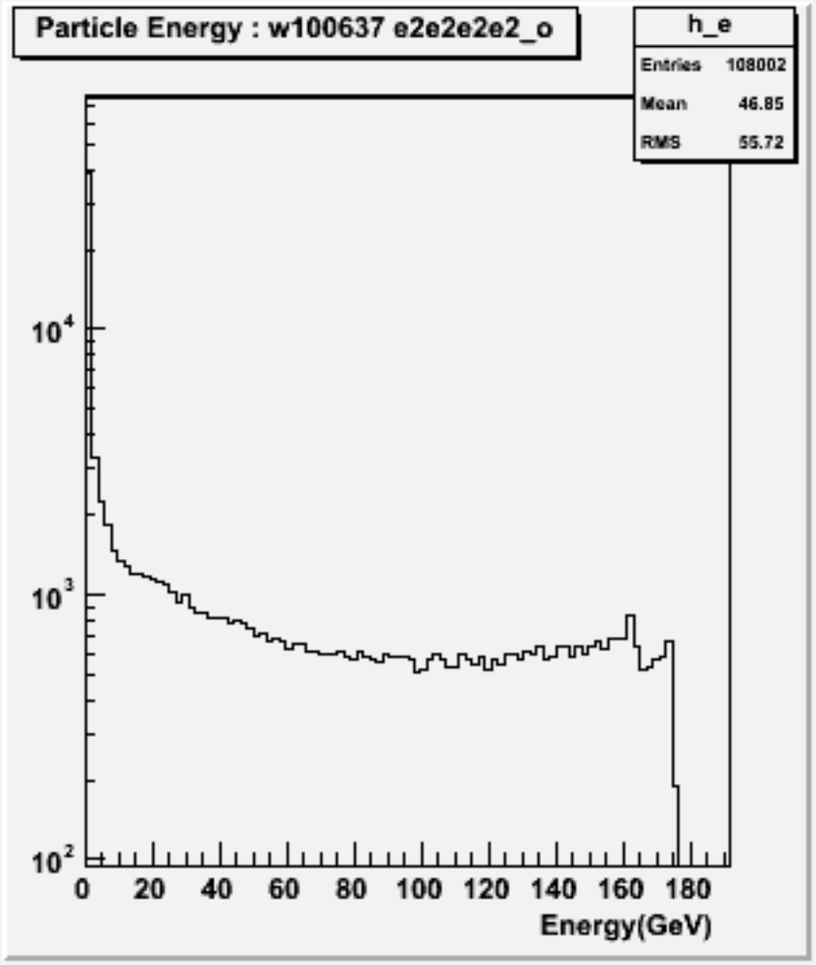

Ycut for 4-jets :w100636 e2e2e2e2_o
h_yc4j
Entries 11551
Mean 0.04512
RMS 0.1406
ycut for forced 4-jets

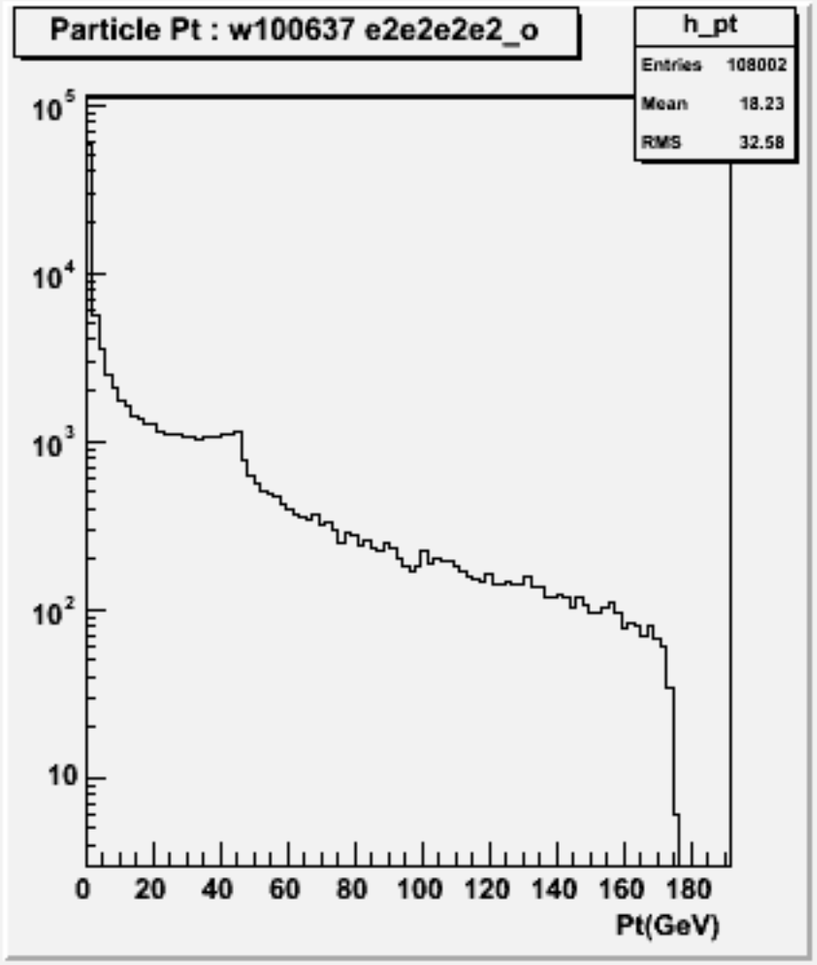

Jet energies(All jets)w100636 e2e2e2e2_o
ha_j0e
Entries 46204
Mean 86.03
RMS 58.12
E(Jet)

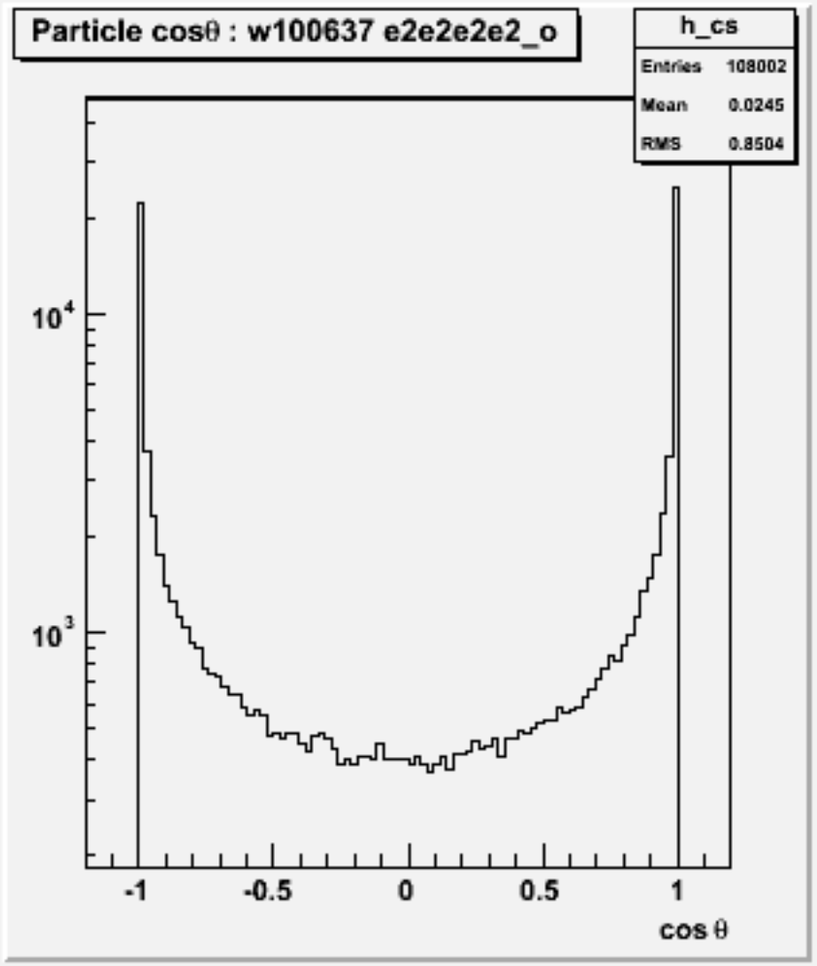

Jet cosθ (All jets)w100636 e2e2e2e2_o
ha_j0cs
Entries 46204
Mean 0.1135
RMS 0.7979
cos θ

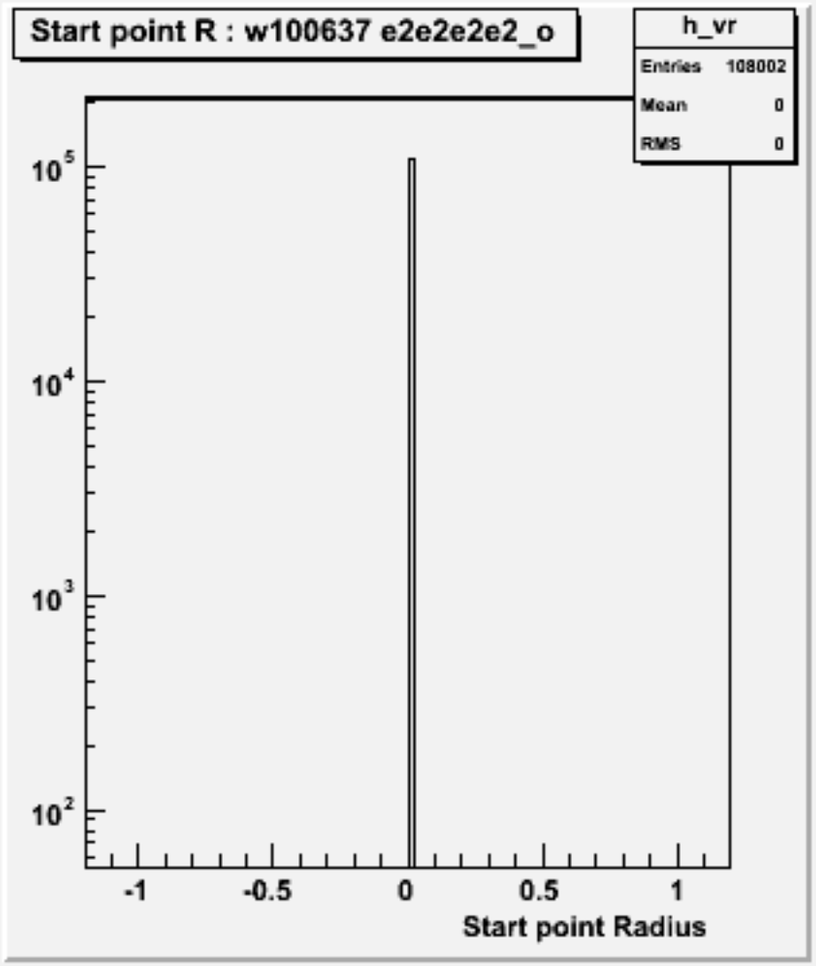

2jets mass(All comb)w100636 e2e2e2e2_o
ha_m01
Entries 69306
Mean 110.9
RMS 90.97
M(J_iJ_k) (GeV)

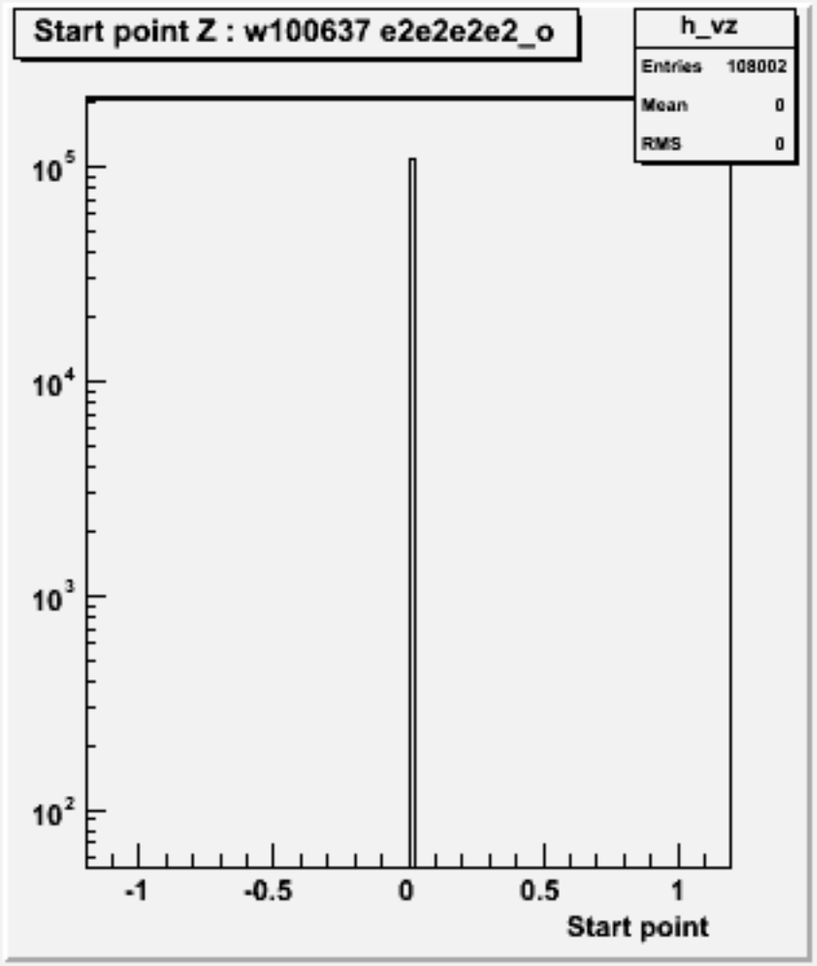

Particle ID : w100637 e2e2e2e2_o
h_id
Entries 108002
Mean 10.11
RMS 14.54
-15 -10 -5 0 5 10 15 20 25
Particle ID

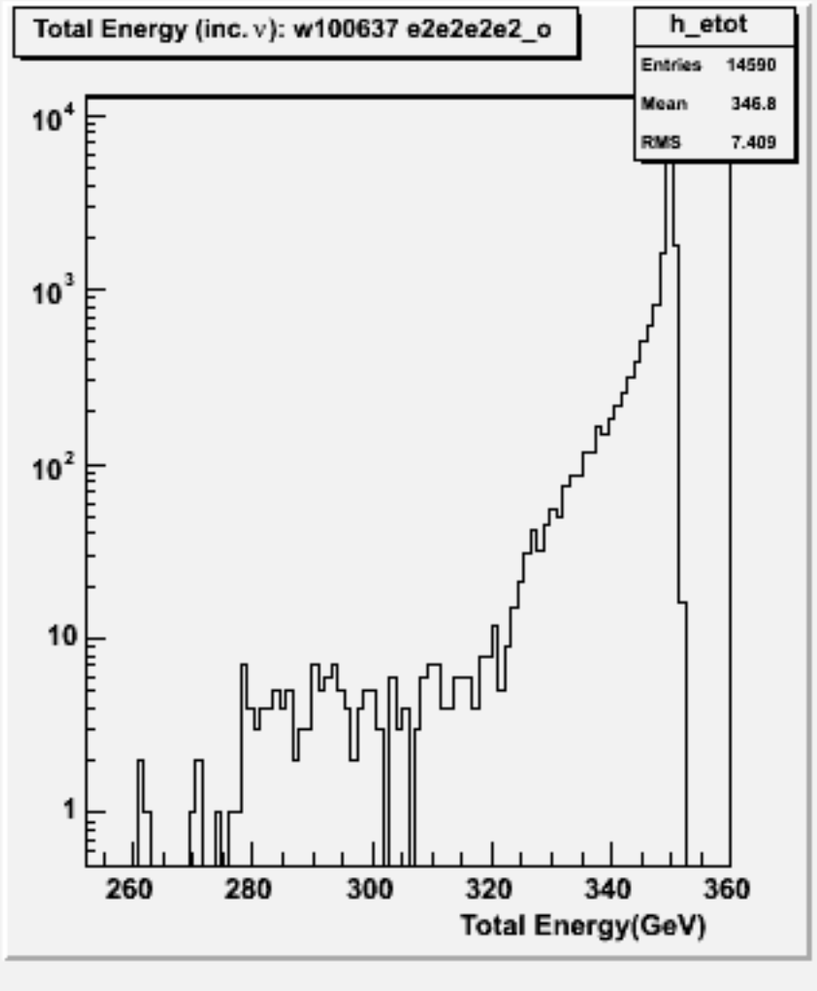

Particle Energy : w100637 e2e2e2e2_o
h_e
Entries 108002
Mean 46.85
RMS 55.72
10^4
10^3
10^2
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

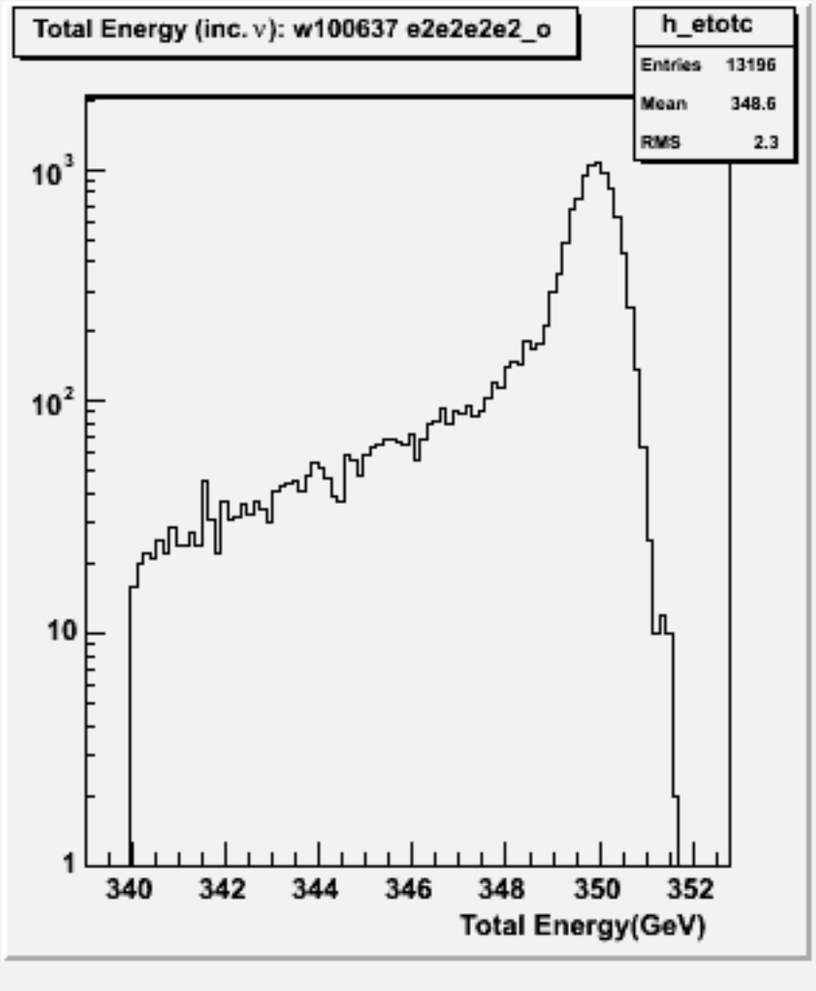

Particle Pt : w100637 e2e2e2e2_o
h_pt
Entries 108002
Mean 18.23
RMS 32.58
10^5
10^4
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

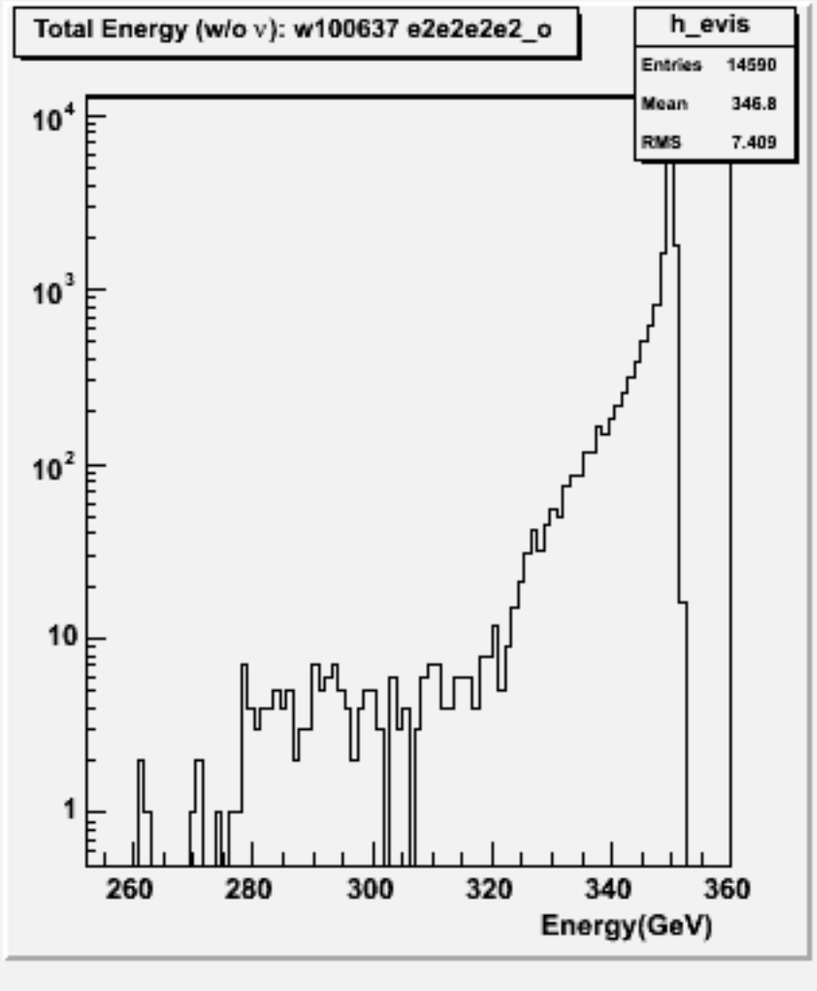

Particle cosθ : w100637 e2e2e2e2_o
h_cs
Entries 108002
Mean 0.0245
RMS 0.8504
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

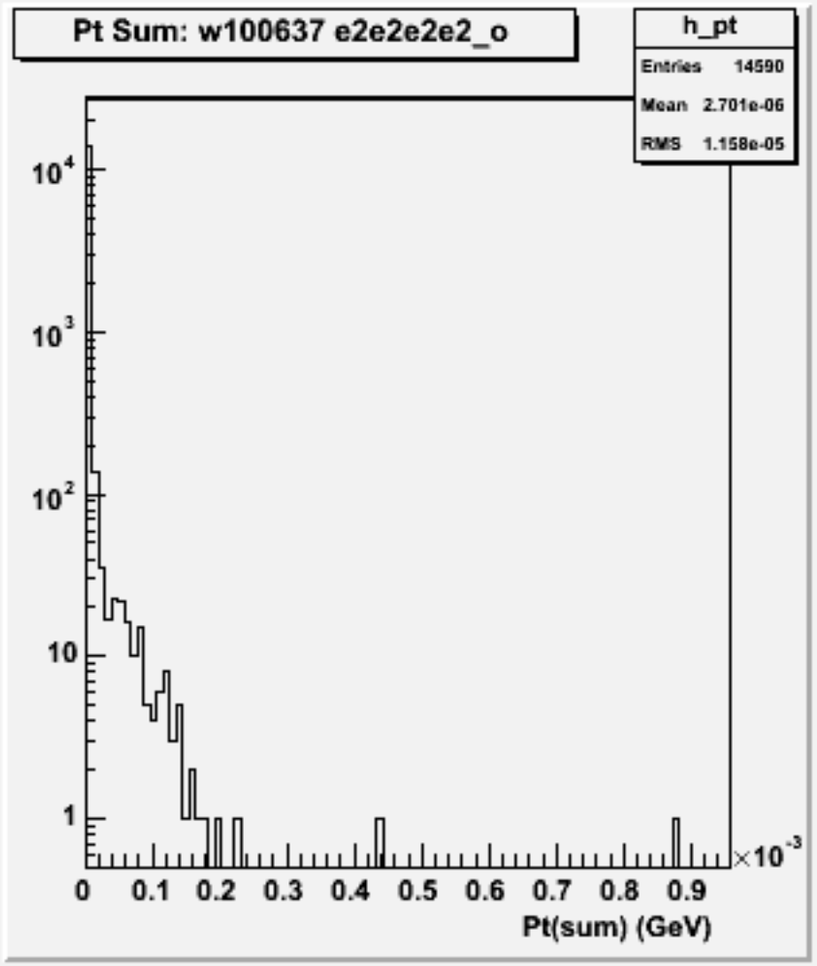

Start point R : w100637 e2e2e2e2_o
h_vr
Entries 108002
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point Radius

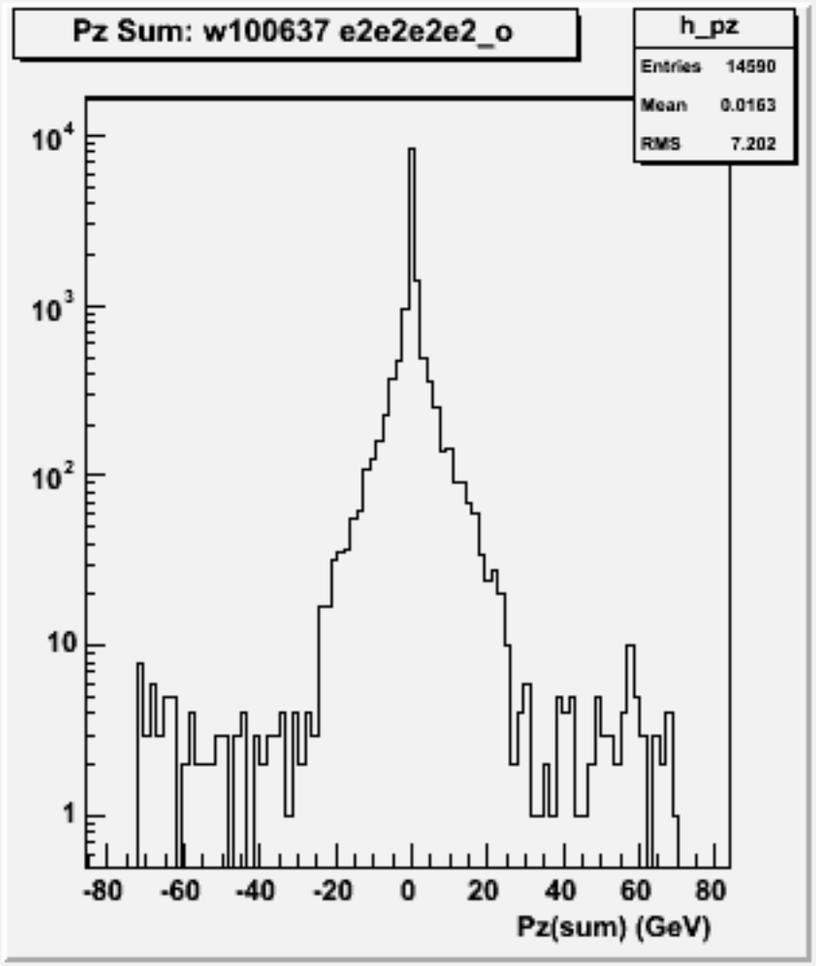

Start point Z : w100637 e2e2e2e2_o
h_vz
Entries 108002
Mean 0
RMS 0
10^5
10^4
10^3
10^2
-1 -0.5 0 0.5 1
Start point

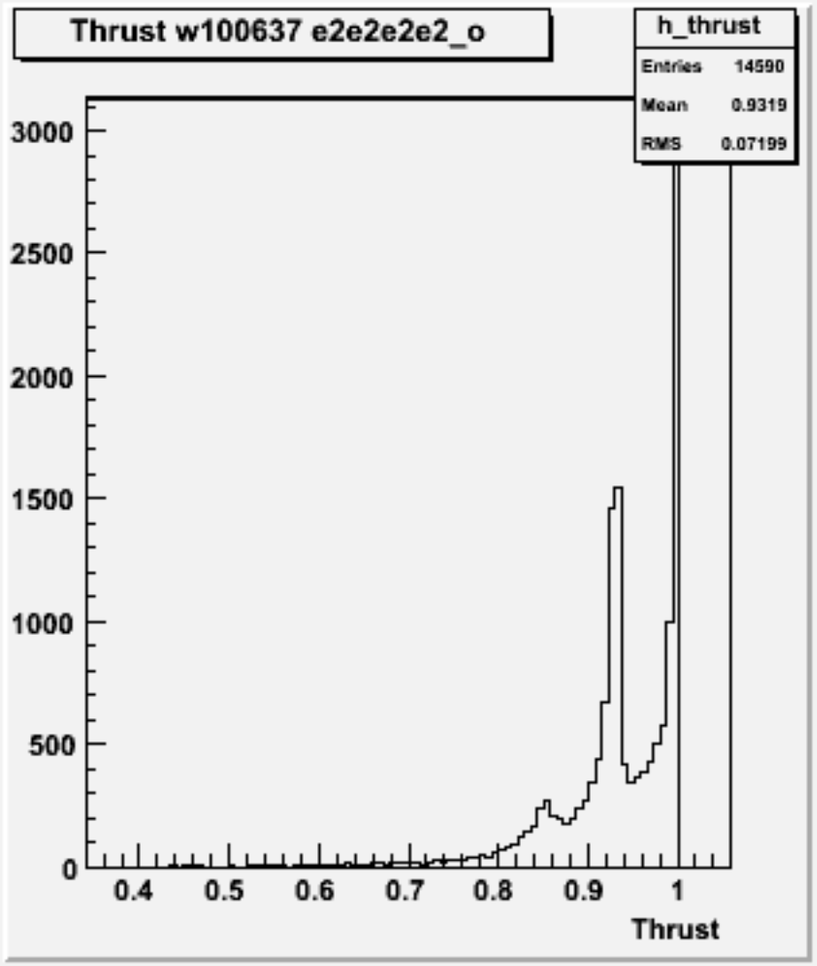

Total Energy (inc. ν): w100637 e2e2e2e2_o
h_etot
Entries 14590
Mean 346.8
RMS 7.409
Total Energy(GeV)

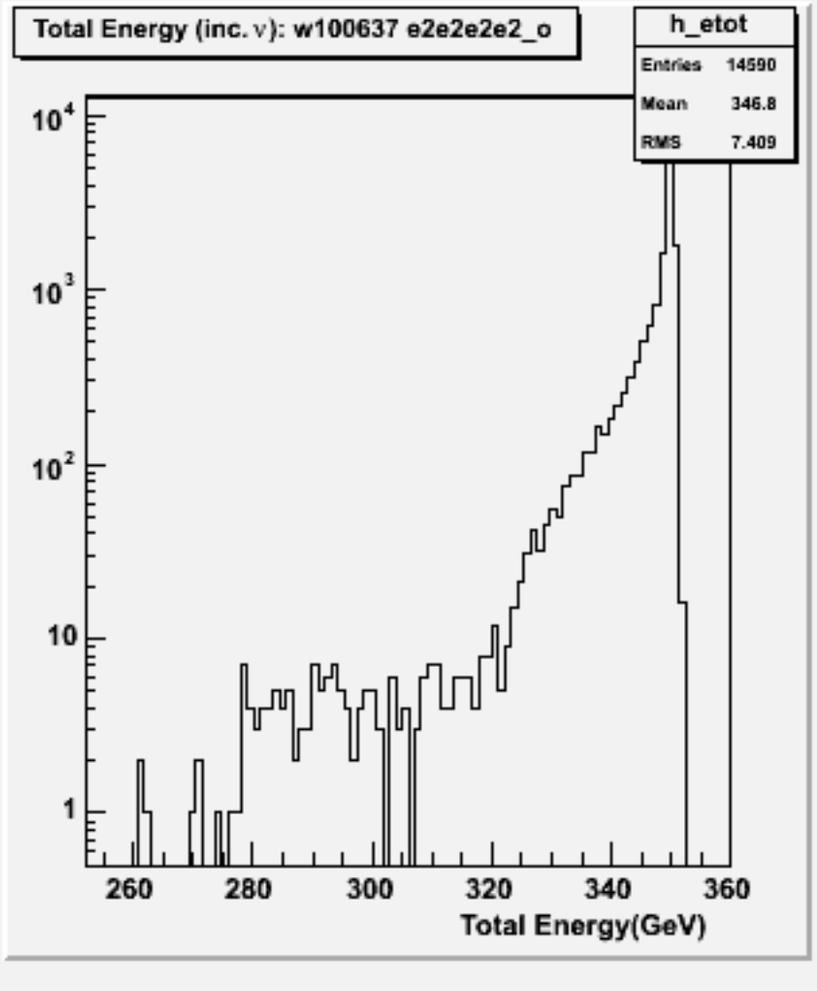

Total Energy (inc. ν): w100637 e2e2e2e2_o
h_etotc
Entries 13196
Mean 348.6
RMS 2.3
Total Energy(GeV)

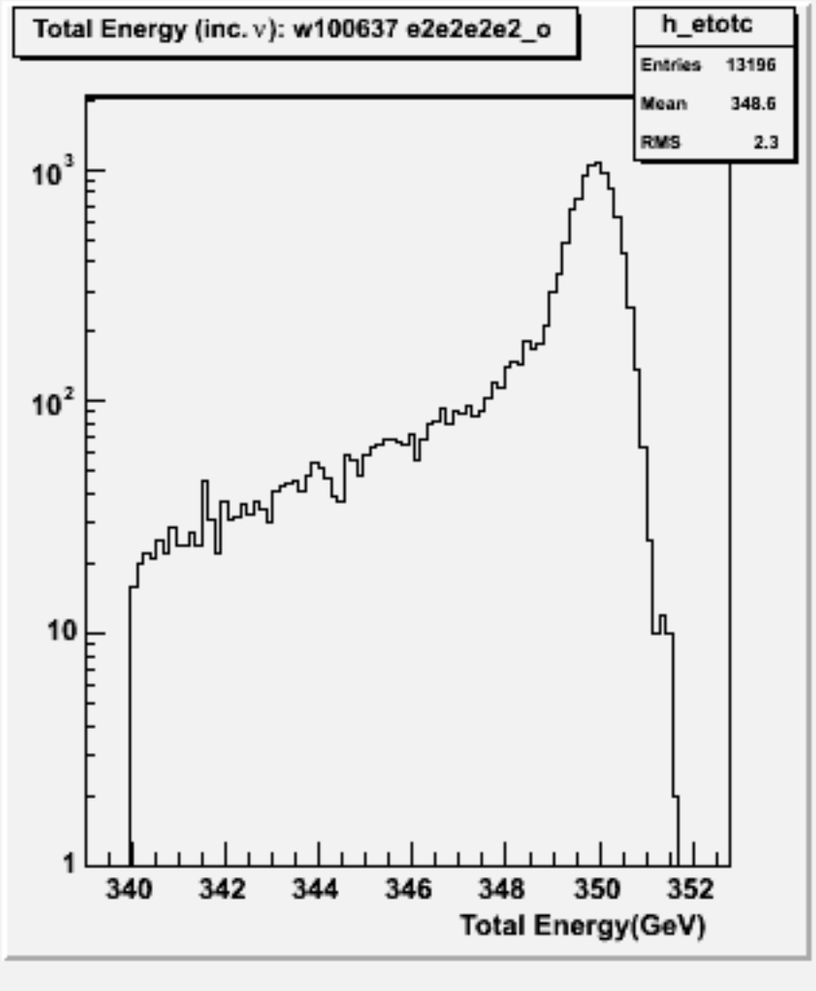

Total Energy (w/o ν): w100637 e2e2e2e2_o
h_evis
Entries 14590
Mean 346.8
RMS 7.409
Energy(GeV)

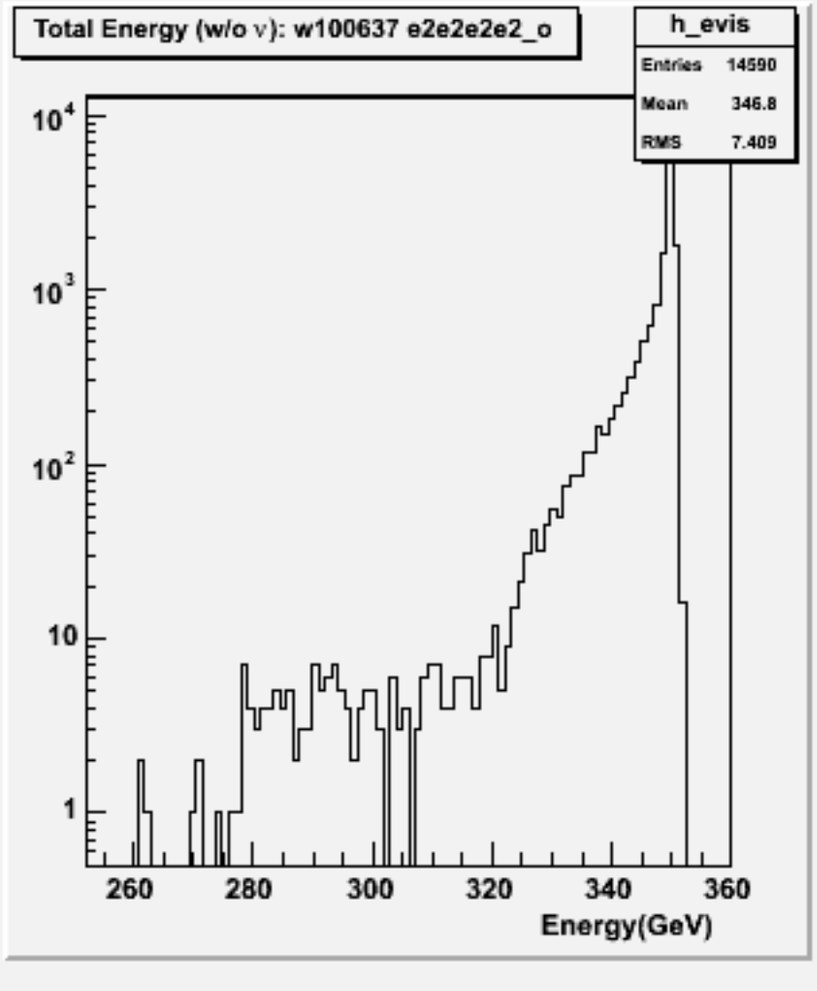

Pt Sum: w100637 e2e2e2e2_o
h_pt
Entries 14590
Mean 2.701e-06
RMS 1.158e-05
×10⁻³
Pt(sum) (GeV)

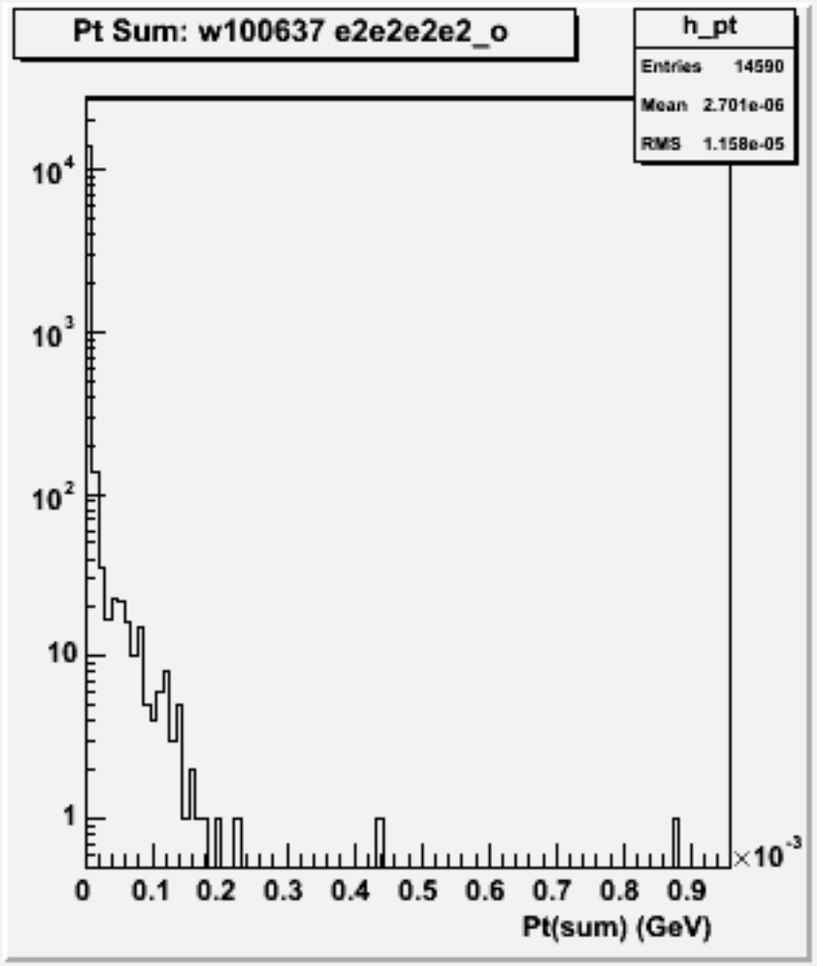

Pz Sum: w100637 e2e2e2e2_o
h_pz
Entries 14590
Mean 0.0163
RMS 7.202
Pz(sum) (GeV)

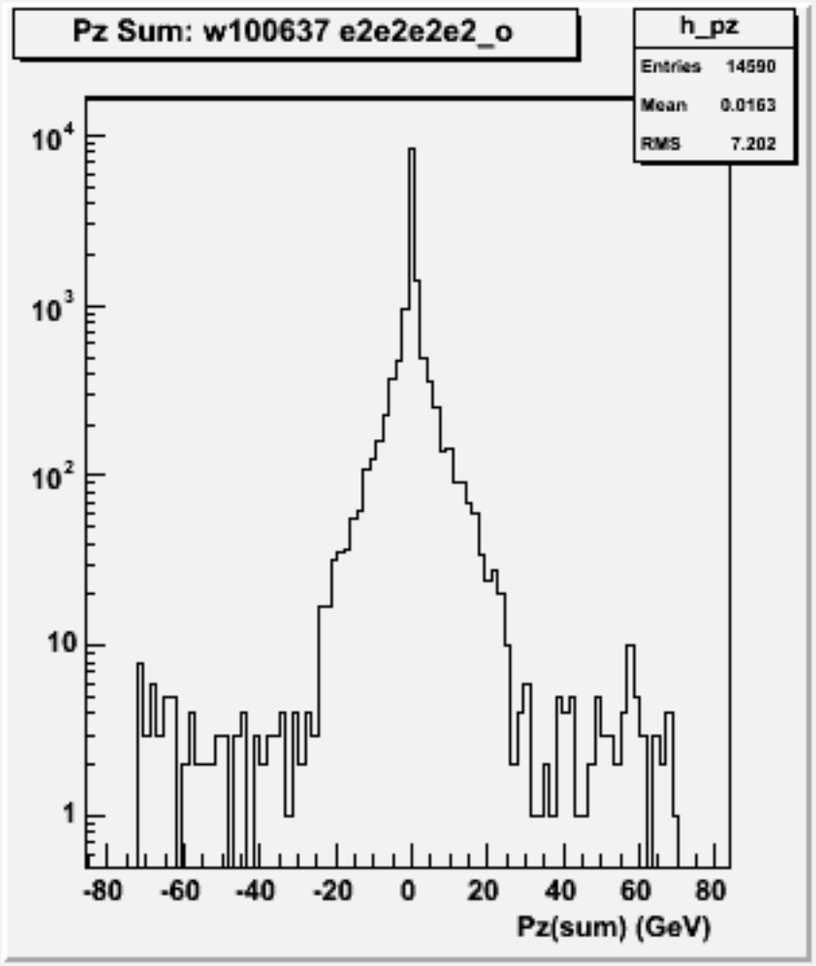

Thrust w100637 e2e2e2e2_o
h_thrust
Entries 14590
Mean 0.9319
RMS 0.07199
Thrust

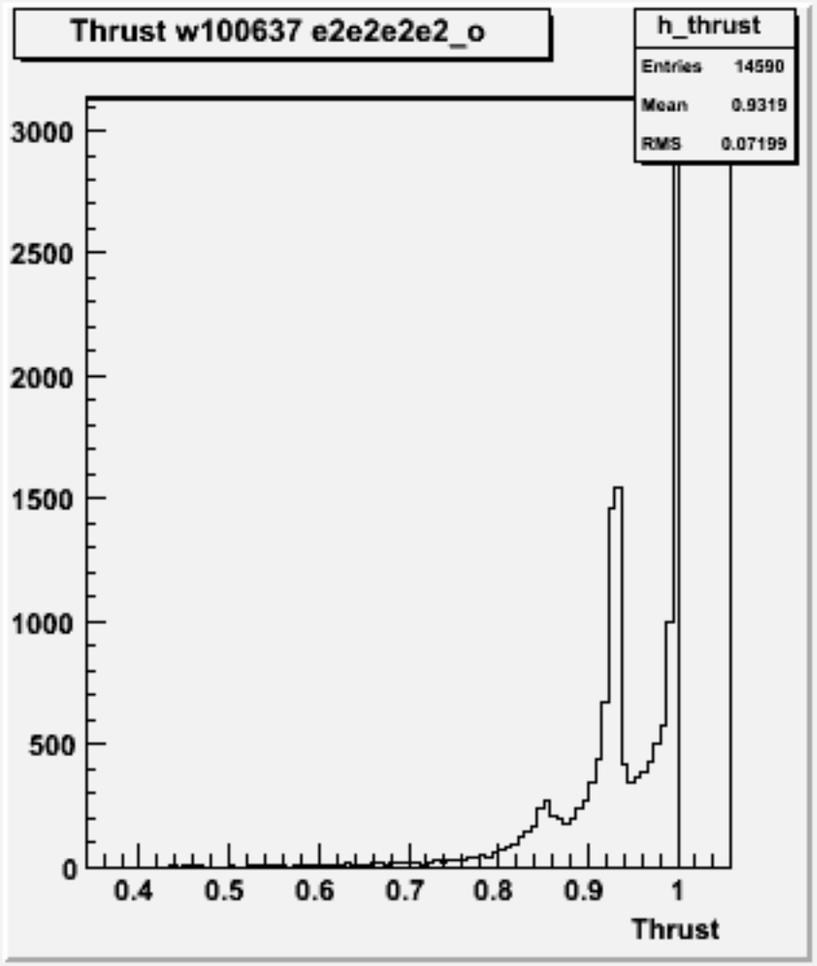

Total Energy (inc. ν): w100637 e2e2e2e2_o
h_etot
Entries 14590
Mean 346.8
RMS 7.409
Total Energy(GeV)

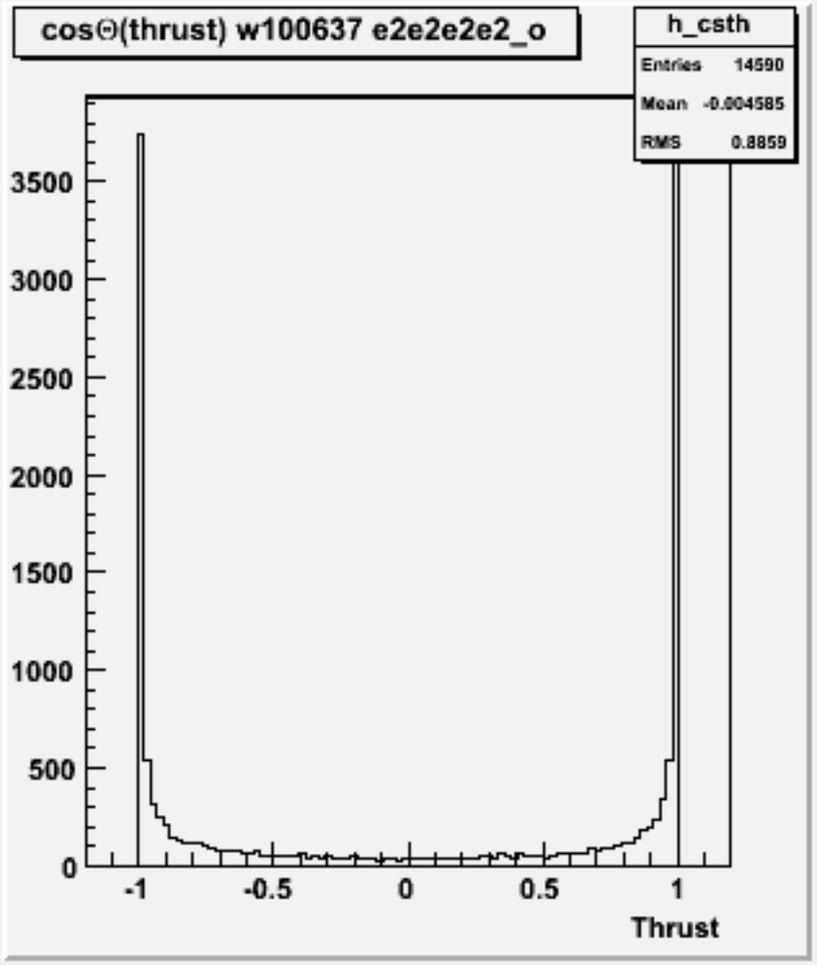

Total Energy (inc. ν): w100637 e2e2e2e2_o
h_etotc
Entries 13196
Mean 348.6
RMS 2.3
Total Energy(GeV)

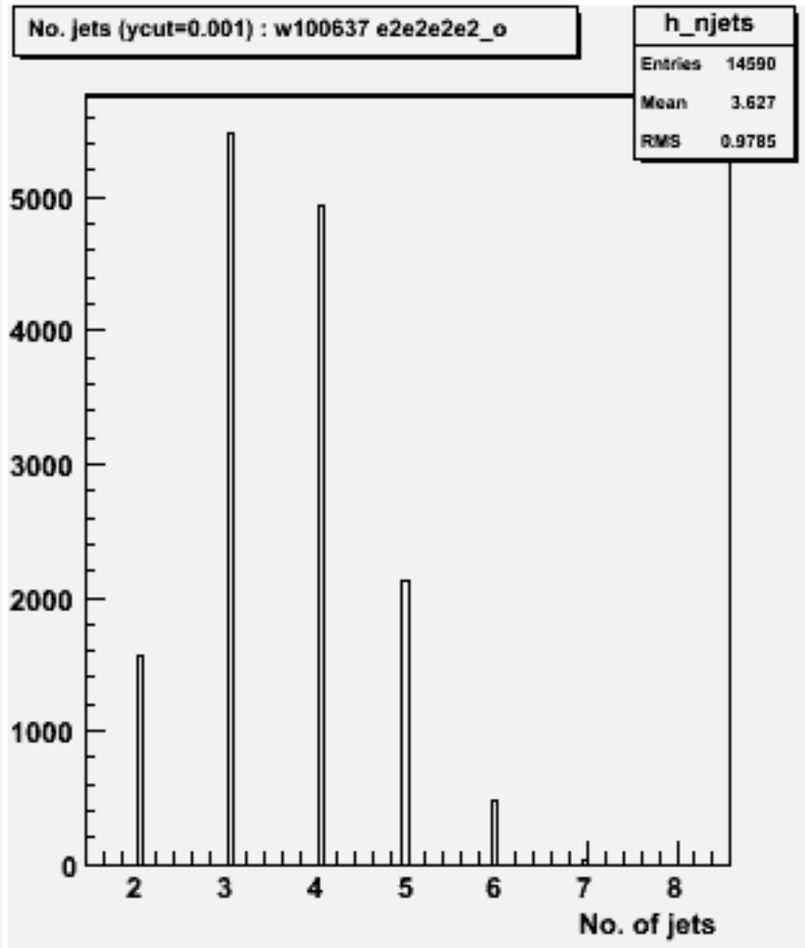

Total Energy (w/o ν): w100637 e2e2e2e2_o
h_evis
Entries 14590
Mean 346.8
RMS 7.409
Energy(GeV)

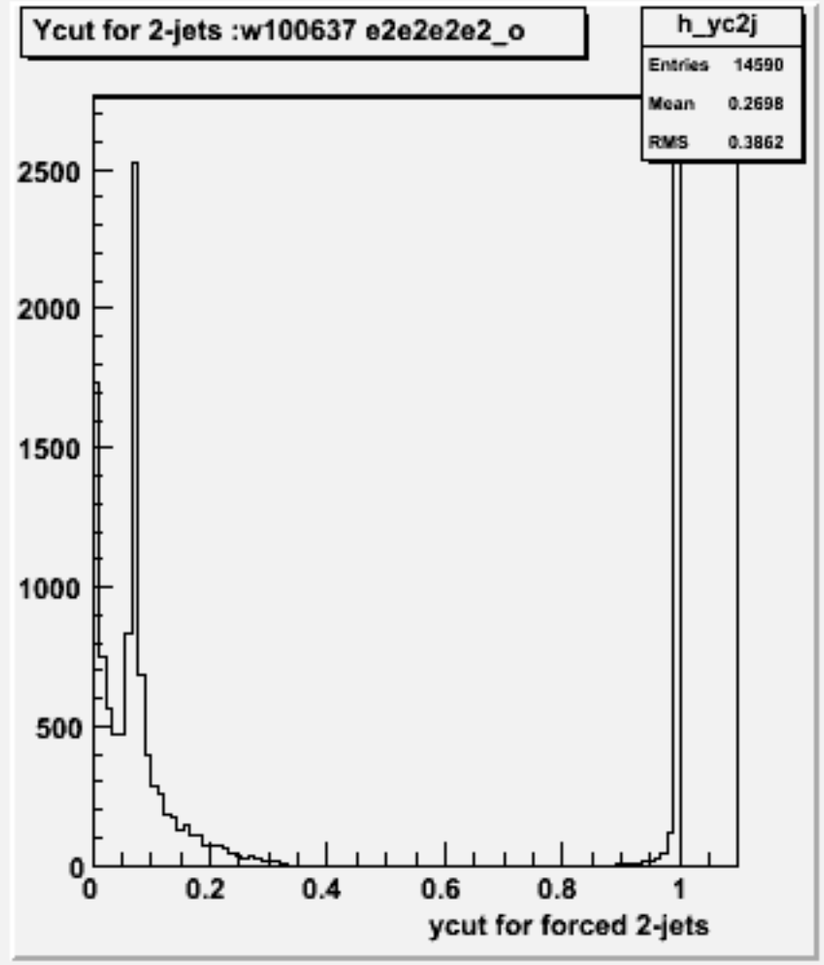

Pt Sum: w100637 e2e2e2e2_o
h_pt
Entries 14590
Mean 2.701e-06
RMS 1.158e-05
×10⁻³
Pt(sum) (GeV)

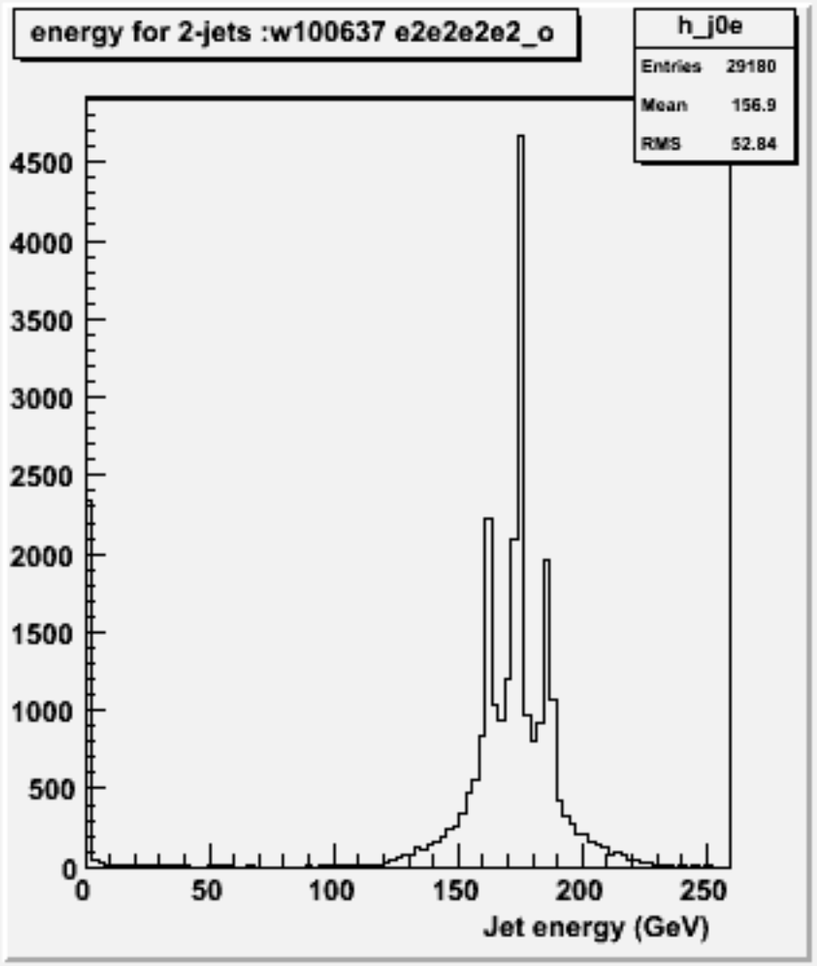

Pz Sum: w100637 e2e2e2e2_o
h_pz
Entries 14590
Mean 0.0163
RMS 7.202
Pz(sum) (GeV)

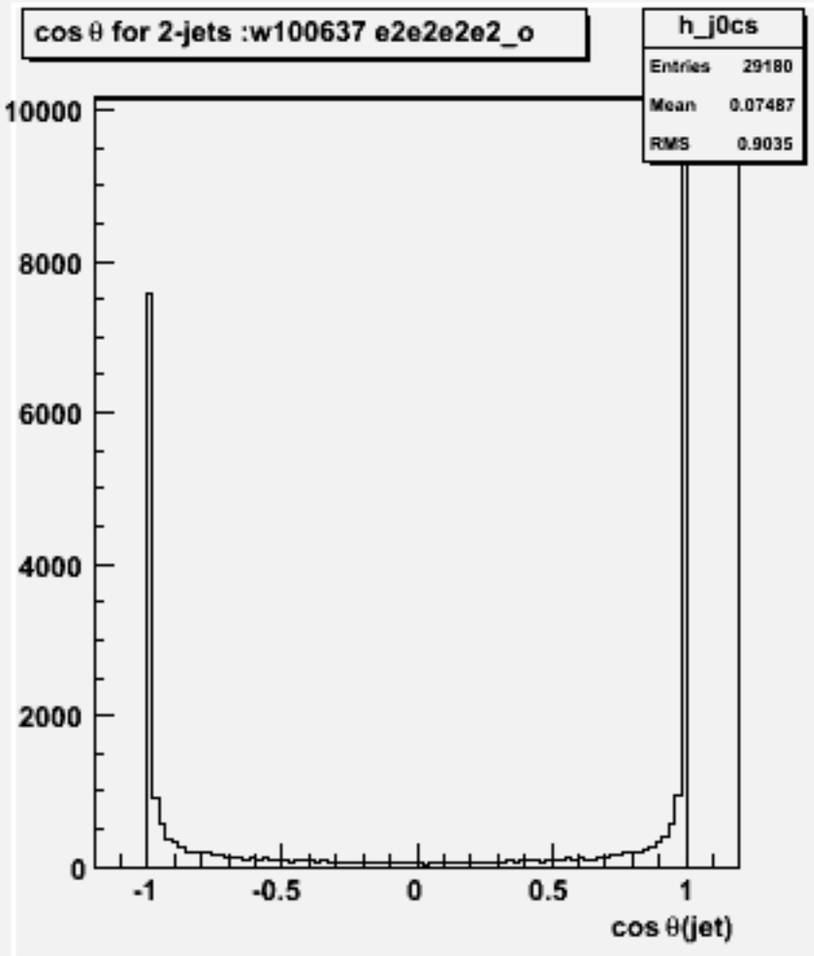

Thrust w100637 e2e2e2e2_o
h_thrust
Entries 14590
Mean 0.9319
RMS 0.07199
Thrust

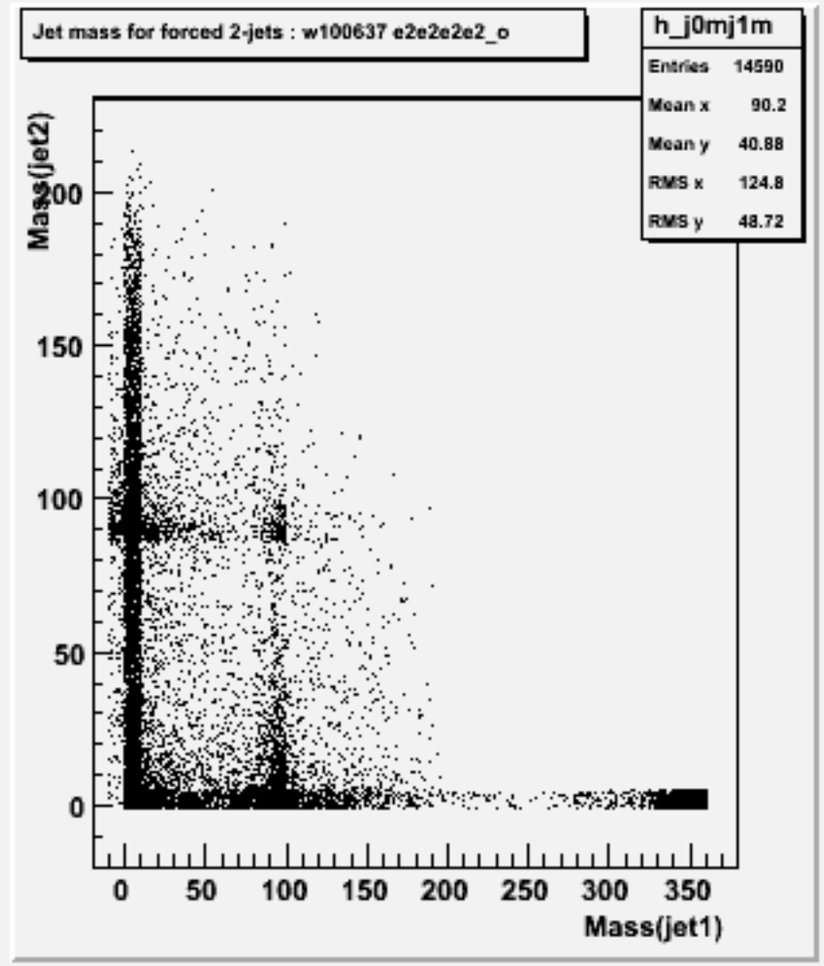

cosΘ(thrust) w100637 e2e2e2e2_o
h_csth
Entries 14590
Mean -0.004585
RMS 0.8859
Thrust

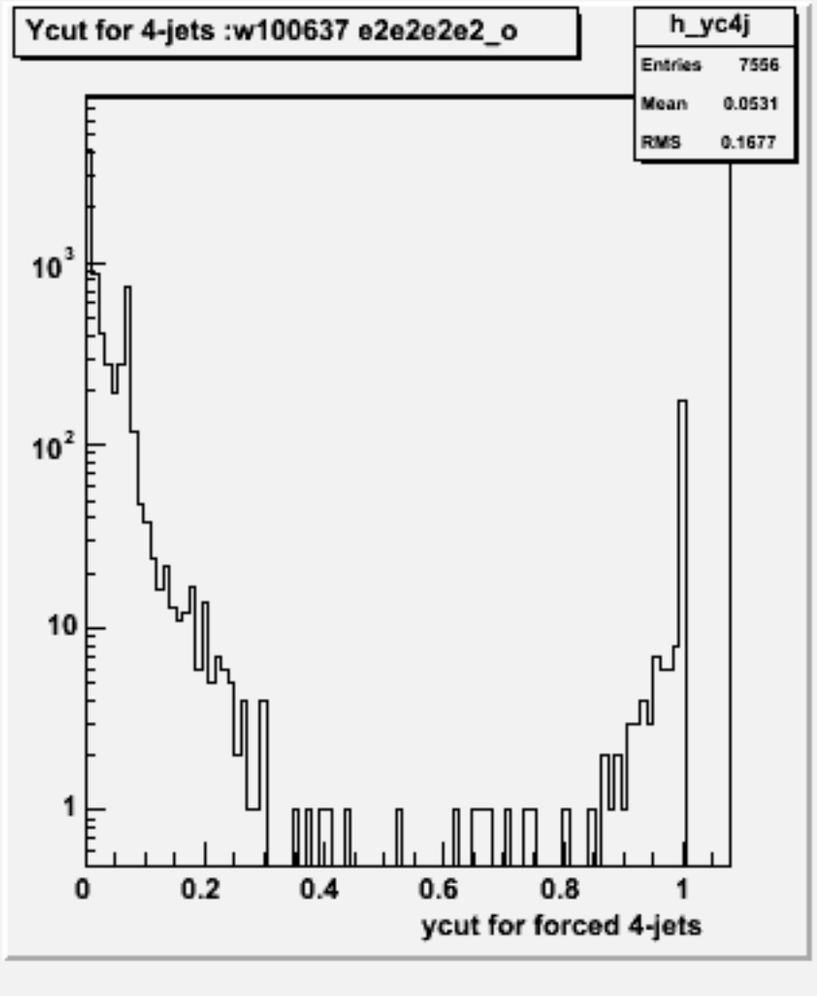

No. jets (ycut=0.001) : w100637 e2e2e2e2_o
h_njets
Entries 14590
Mean 3.627
RMS 0.9785
No. of jets

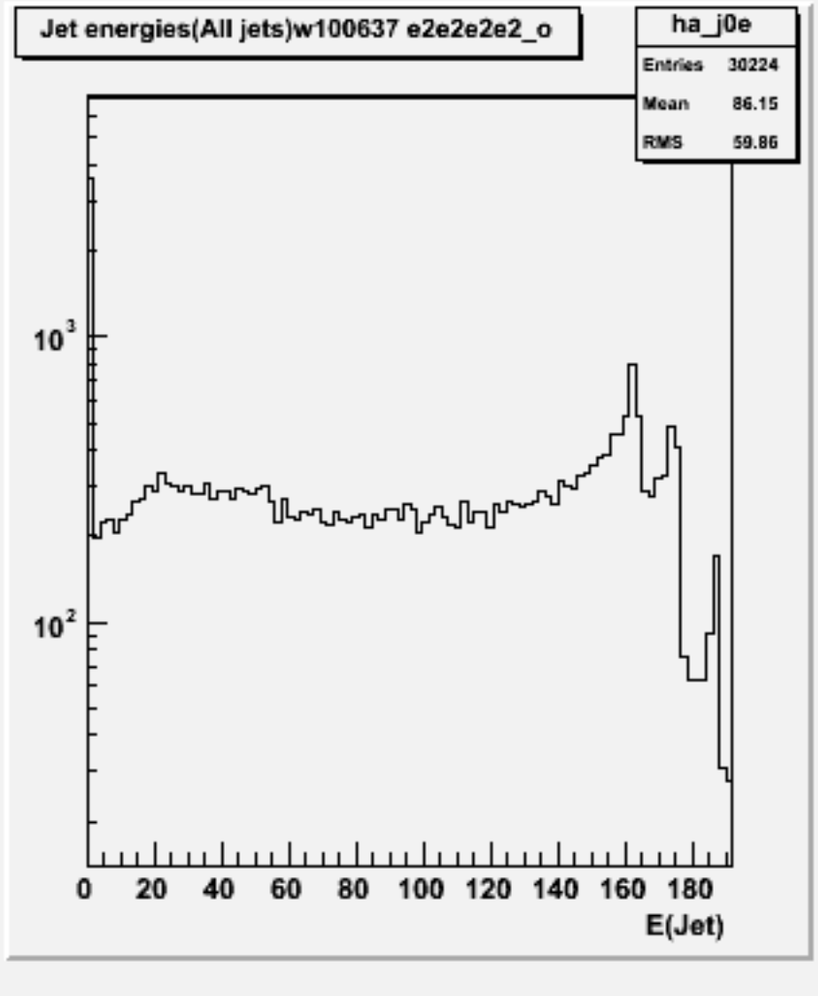

Ycut for 2-jets :w100637 e2e2e2e2_o
h_yc2j
Entries 14590
Mean 0.2698
RMS 0.3862
ycut for forced 2-jets

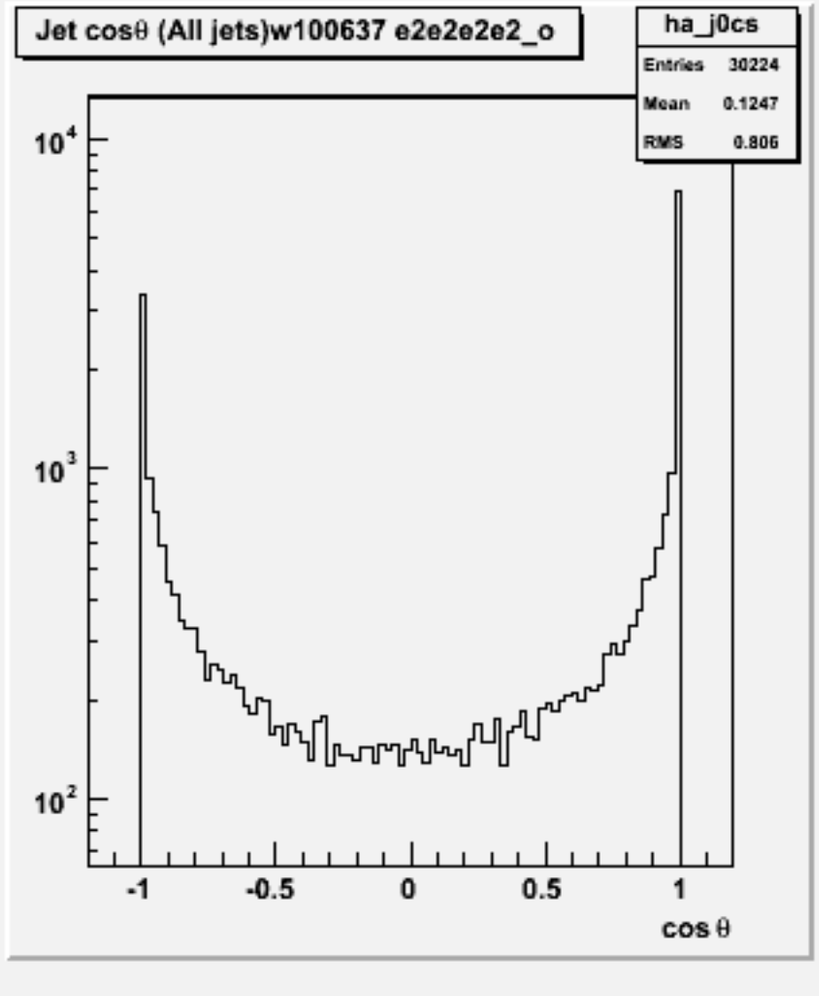

energy for 2-jets :w100637 e2e2e2e2_o
h_j0e
Entries 29180
Mean 156.9
RMS 52.84
Jet energy (GeV)

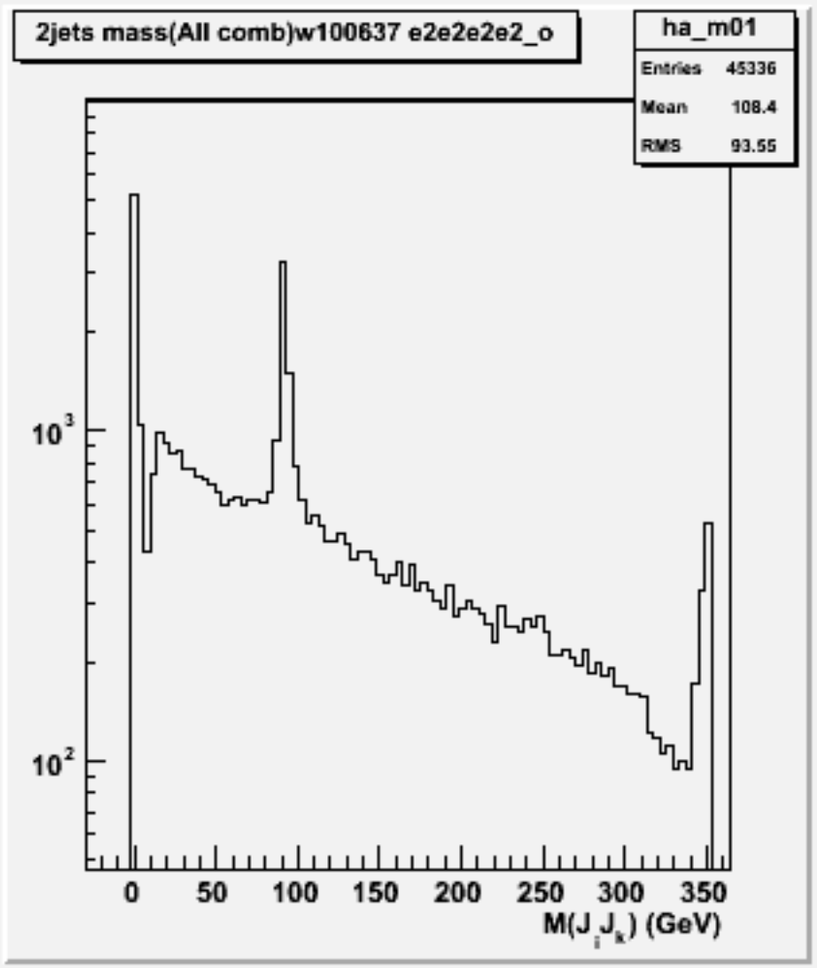

cos θ for 2-jets :w100637 e2e2e2e2_o
h_j0cs
Entries 29180
Mean 0.07487
RMS 0.9035
cos θ(jet)

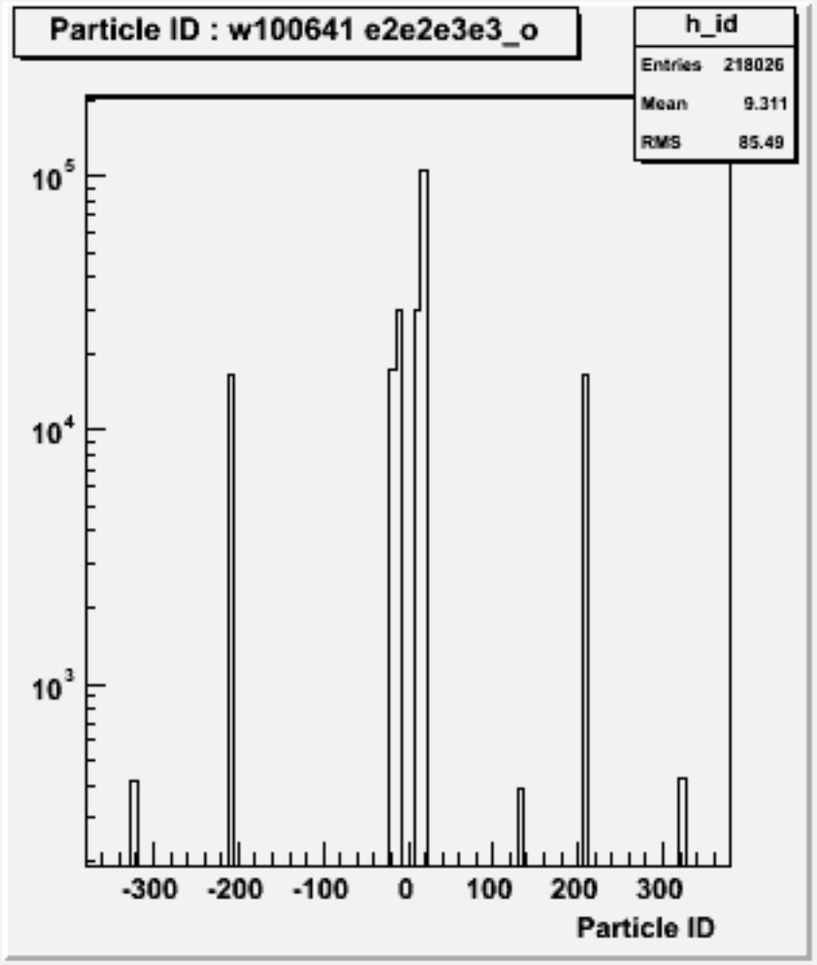

Jet mass for forced 2-jets : w100637 e2e2e2e2_o
h_j0mj1m
Entries 14590
Mean x 90.2
Mean y 40.88
RMS x 124.8
RMS y 48.72
Mass(jet2)
Mass(jet1)

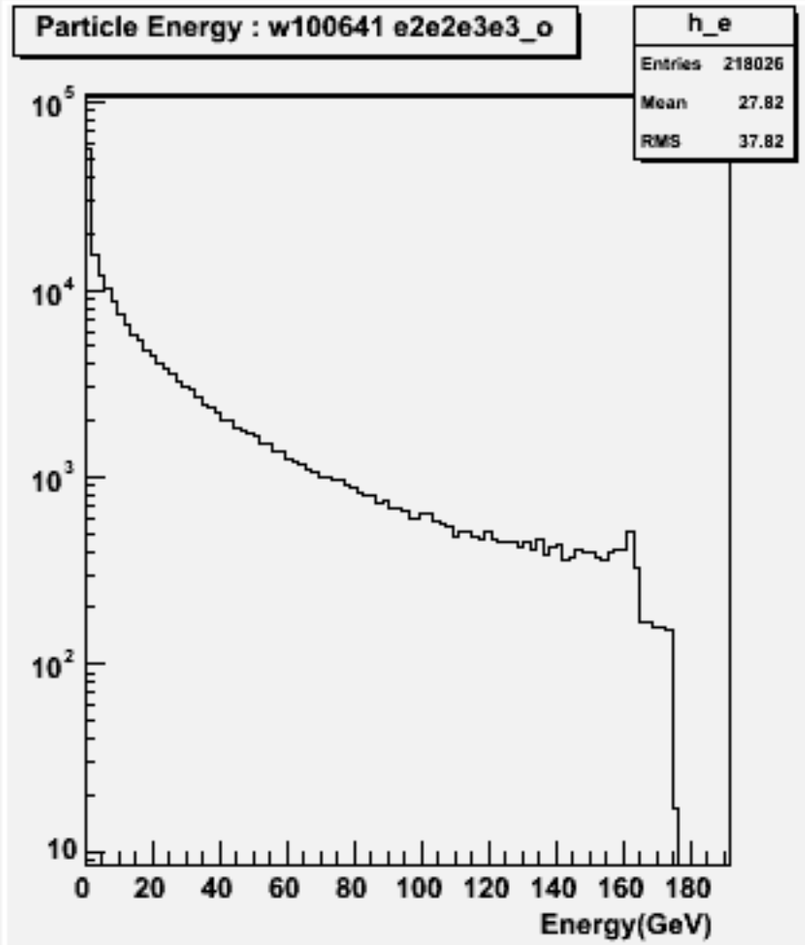

Ycut for 4-jets :w100637 e2e2e2e2_o
h_yc4j
Entries 7556
Mean 0.0531
RMS 0.1677
ycut for forced 4-jets

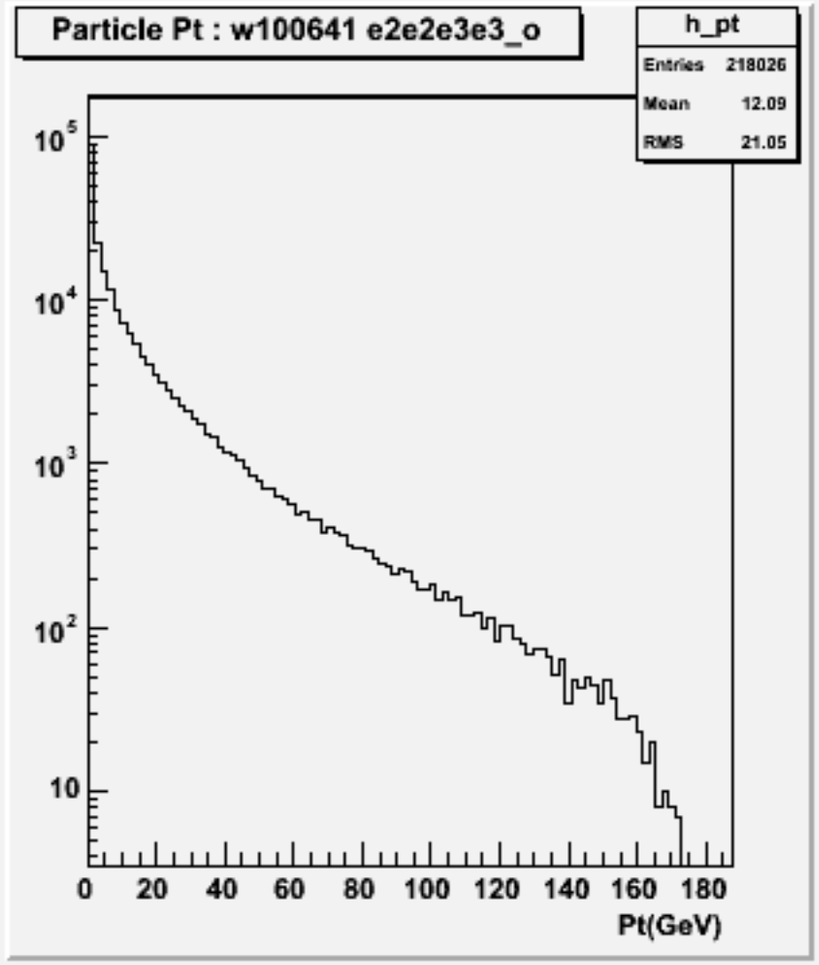

Jet energies(All jets)w100637 e2e2e2e2_o
ha_j0e
Entries 30224
Mean 86.15
RMS 59.86
E(Jet)

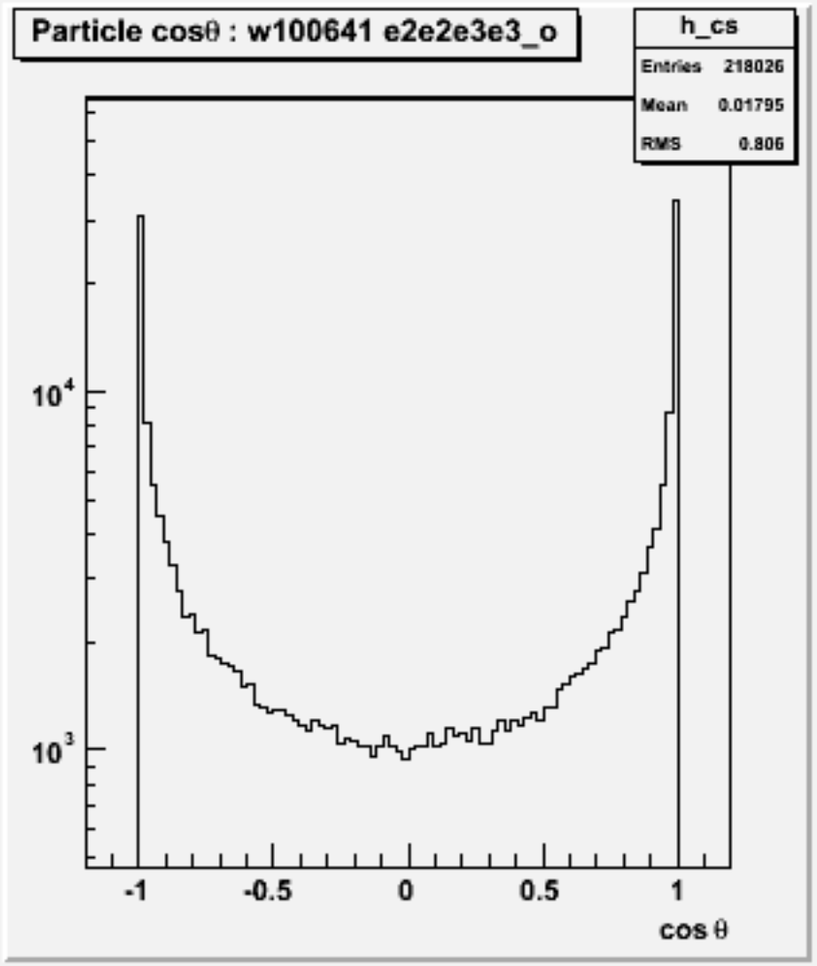

Jet cosθ (All jets)w100637 e2e2e2e2_o
ha_j0cs
Entries 30224
Mean 0.1247
RMS 0.806
cos θ

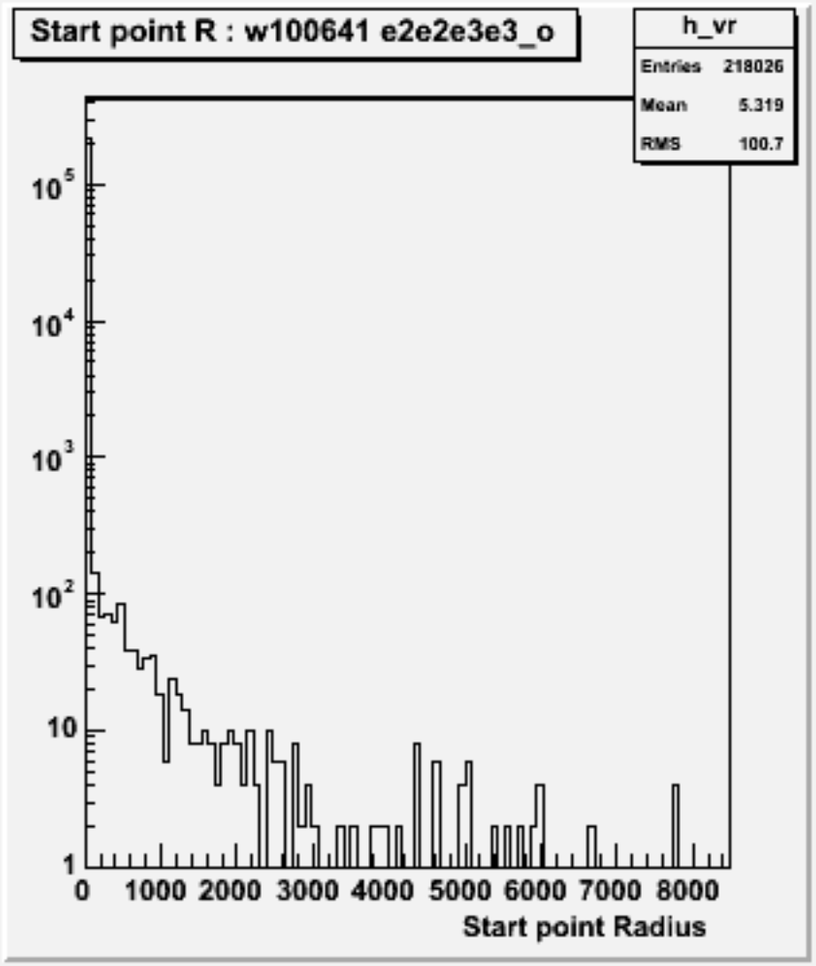

2jets mass(All comb)w100637 e2e2e2e2_o
ha_m01
Entries 45336
Mean 108.4
RMS 93.55
M(J_iJ_k) (GeV)

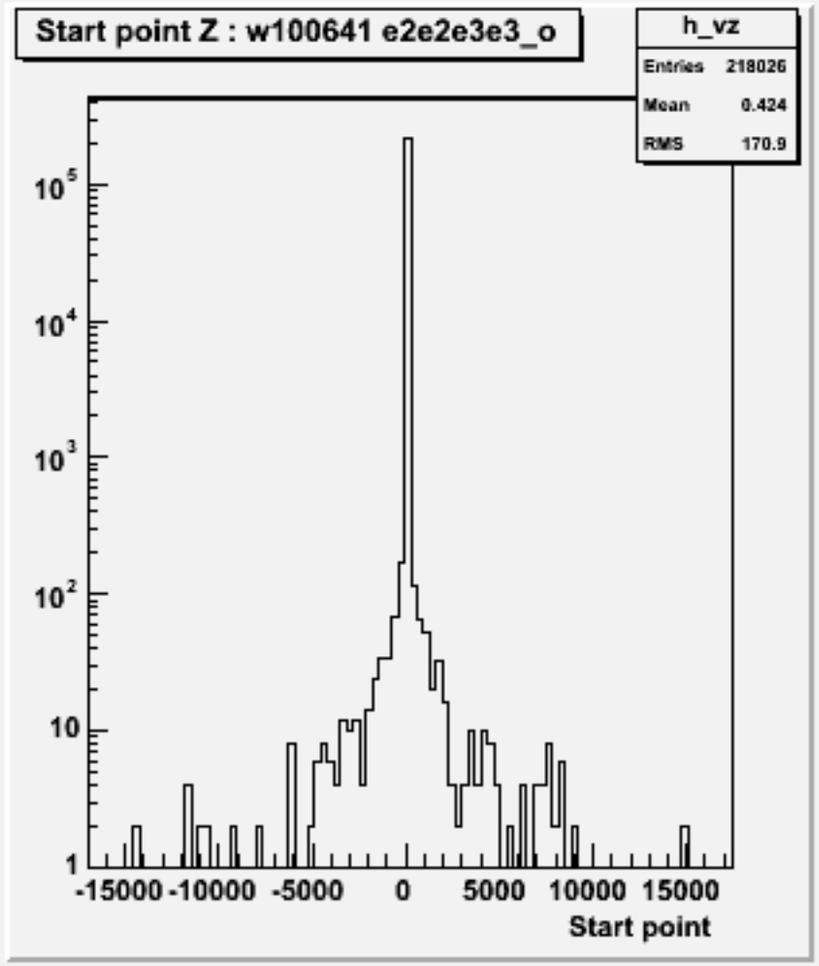

Particle ID : w100641 e2e2e3e3_o
h_id
Entries 218026
Mean 9.311
RMS 85.49
Particle ID

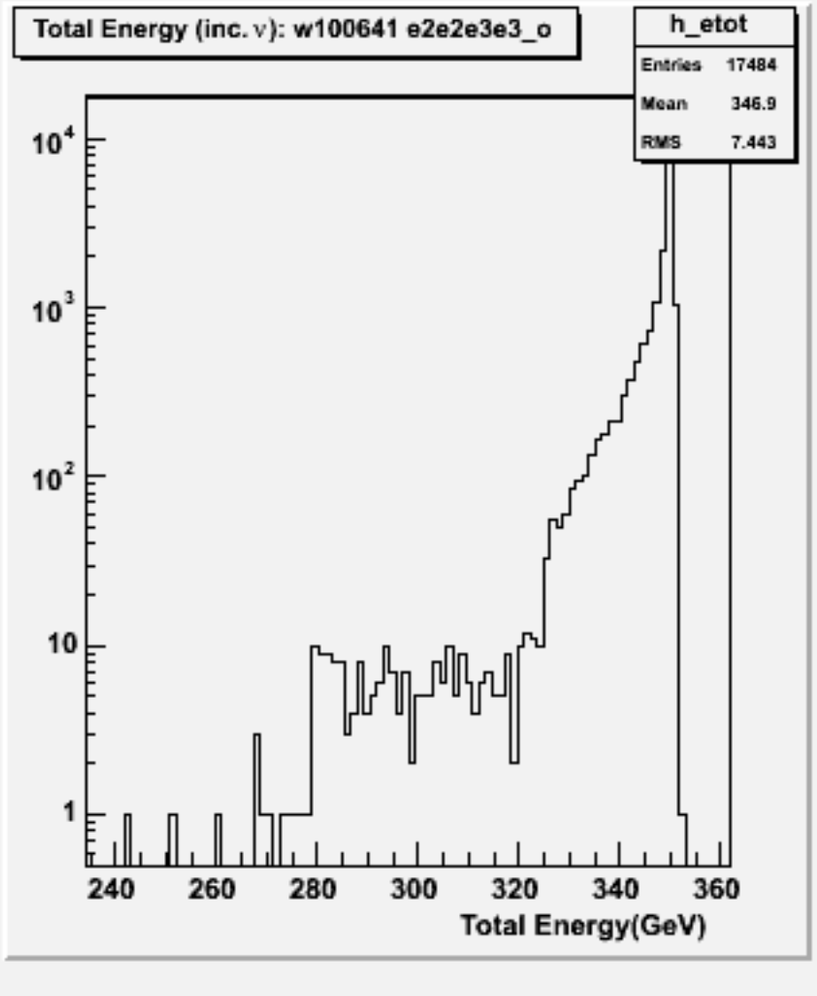

Particle Energy : w100641 e2e2e3e3_o
h_e
Entries 218026
Mean 27.82
RMS 37.82
Energy(GeV)

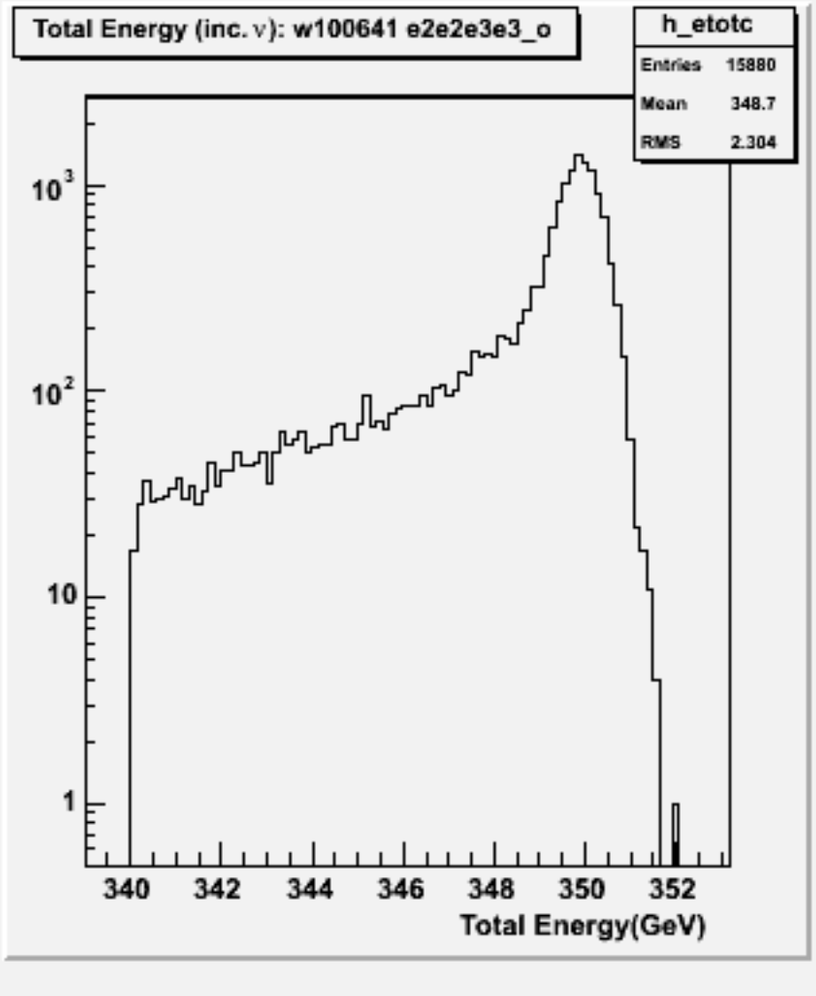

Particle Pt : w100641 e2e2e3e3_o
h_pt
Entries 218026
Mean 12.09
RMS 21.05
Pt(GeV)

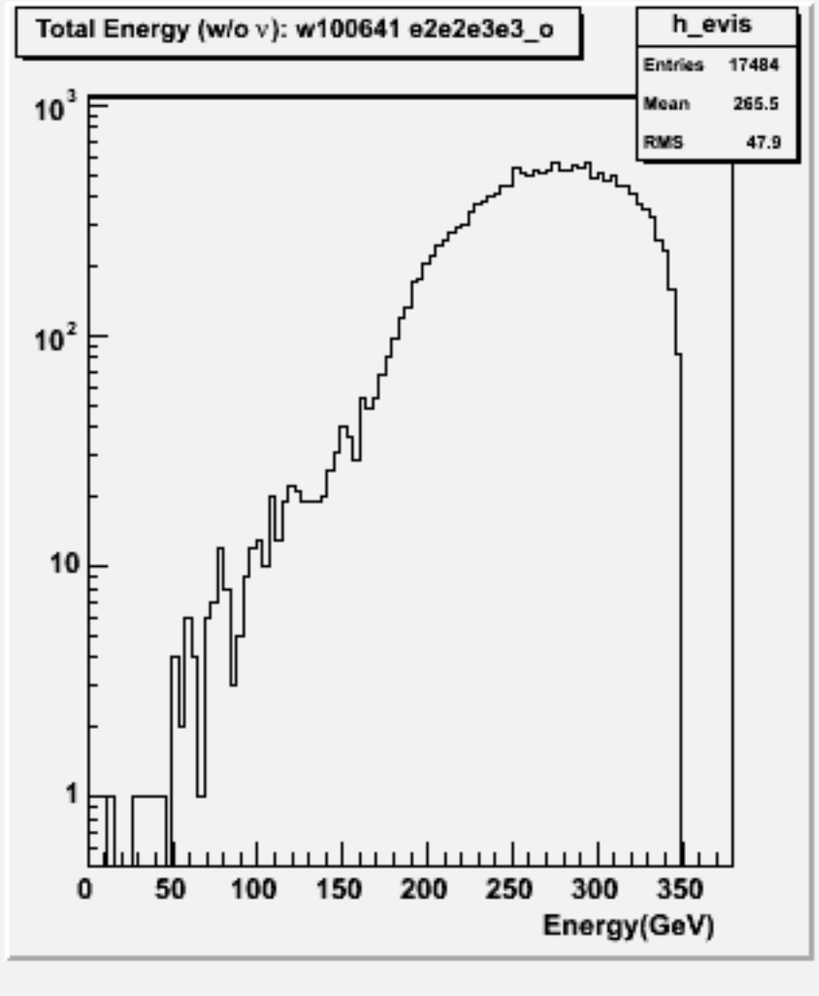

Particle cosθ : w100641 e2e2e3e3_o
h_cs
Entries 218026
Mean 0.01795
RMS 0.806
cos θ

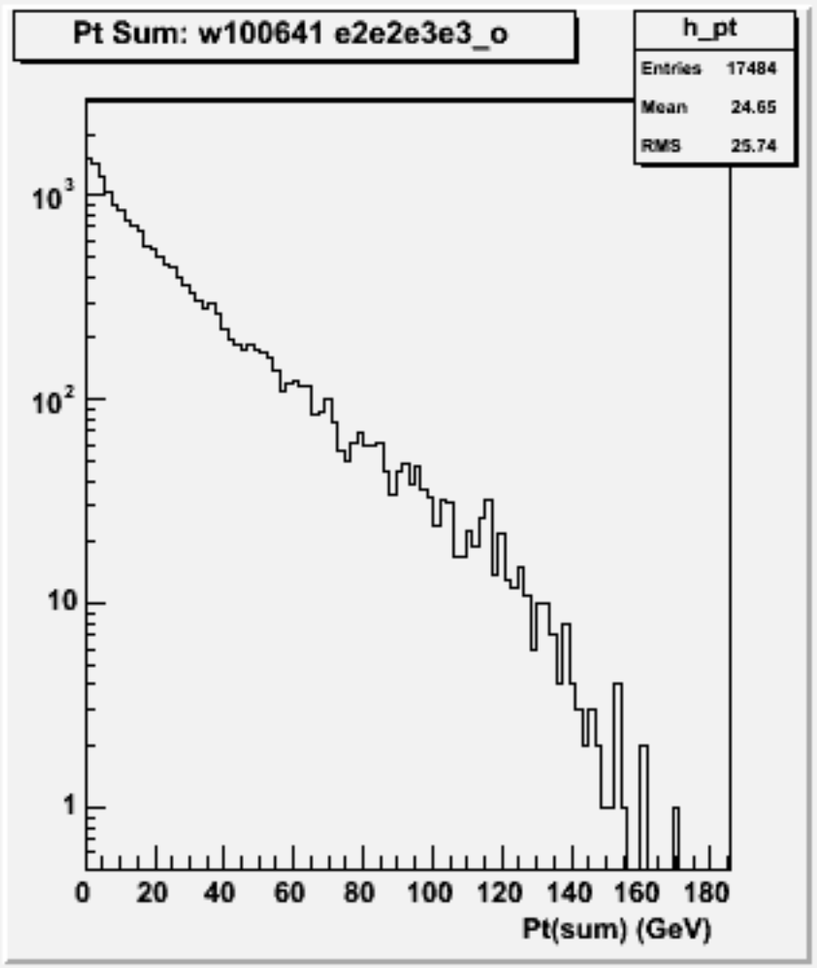

Start point R : w100641 e2e2e3e3_o
h_vr
Entries 218026
Mean 5.319
RMS 100.7
Start point Radius

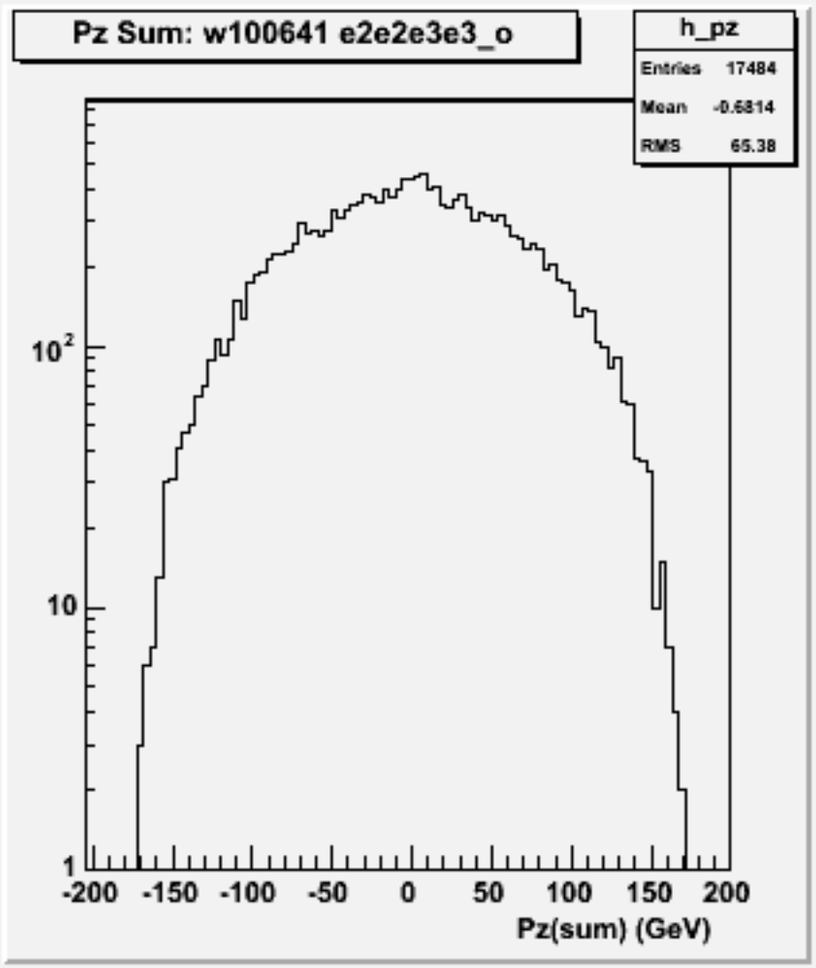

Start point Z : w100641 e2e2e3e3_o
h_vz
Entries 218026
Mean 0.424
RMS 170.9
Start point

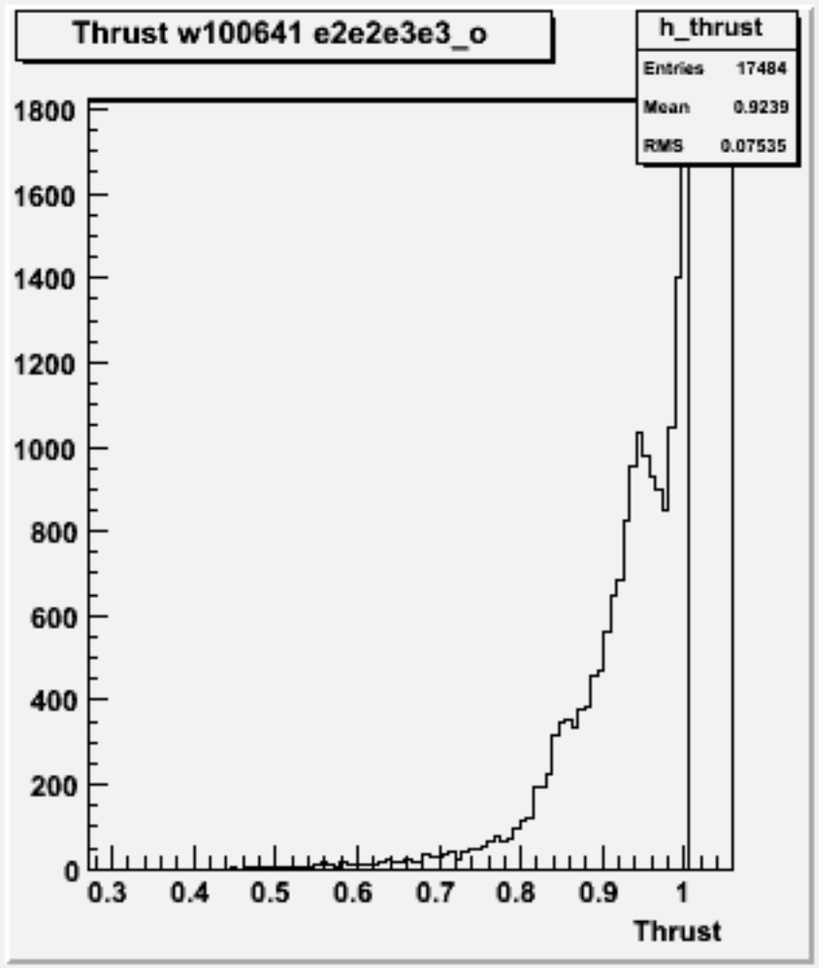

Total Energy (inc. ν): w100641 e2e2e3e3_o
h_etot
Entries 17484
Mean 346.9
RMS 7.443
Total Energy(GeV)

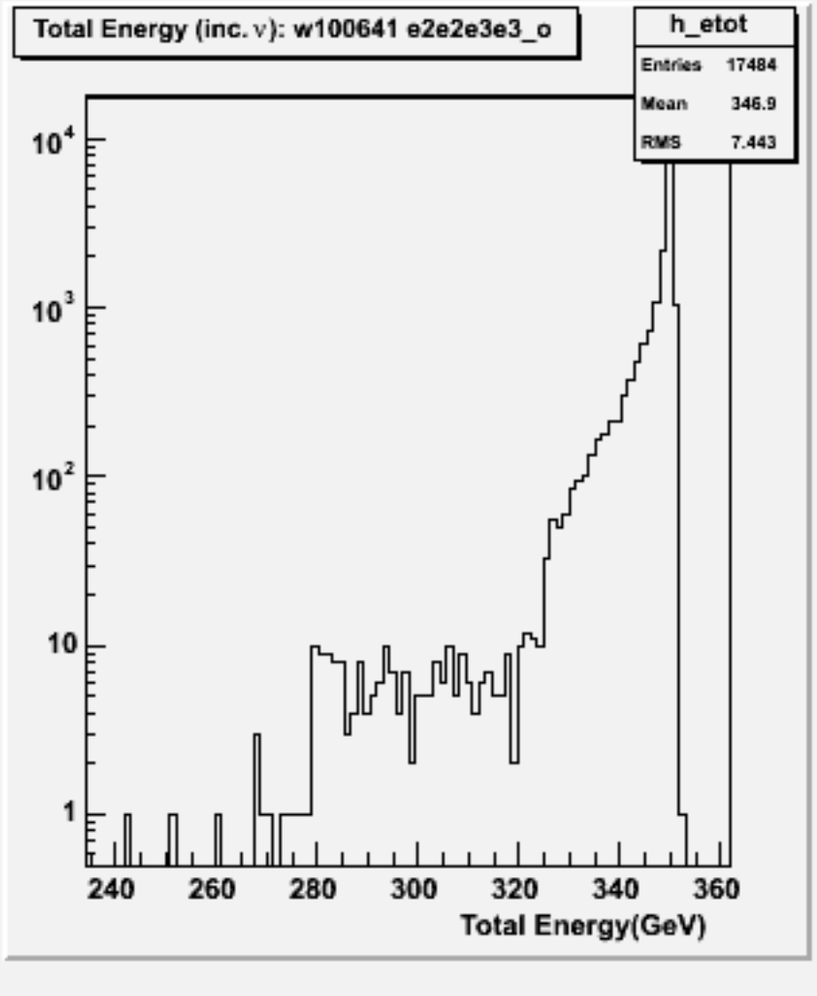

Total Energy (inc. ν): w100641 e2e2e3e3_o
h_etotc
Entries 15880
Mean 348.7
RMS 2.304
Total Energy(GeV)

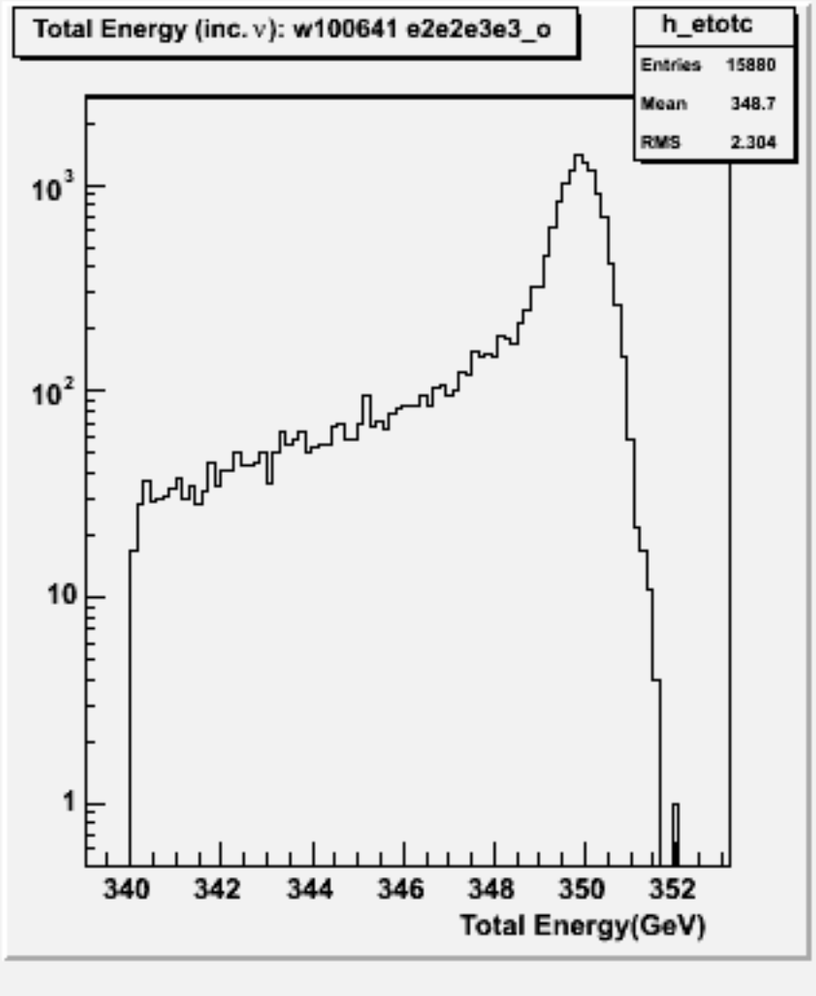

Total Energy (w/o ν): w100641 e2e2e3e3_o
h_evis
Entries 17484
Mean 265.5
RMS 47.9
Energy(GeV)

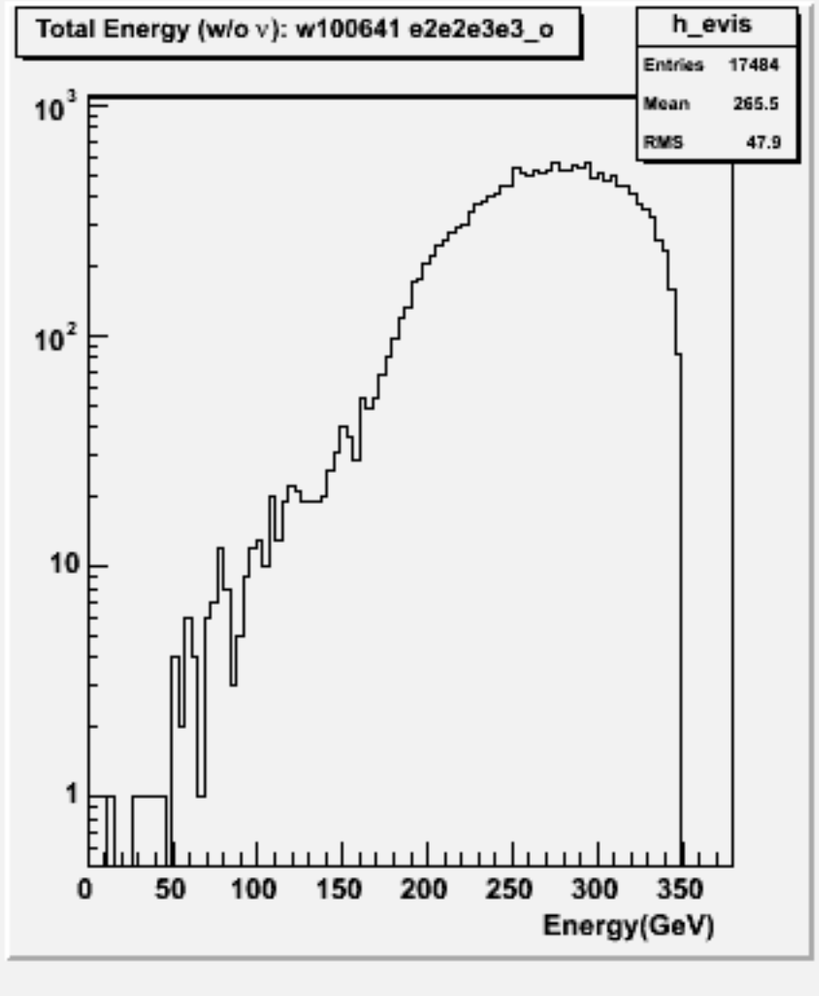

Pt Sum: w100641 e2e2e3e3_o
h_pt
Entries 17484
Mean 24.65
RMS 25.74
Pt(sum) (GeV)

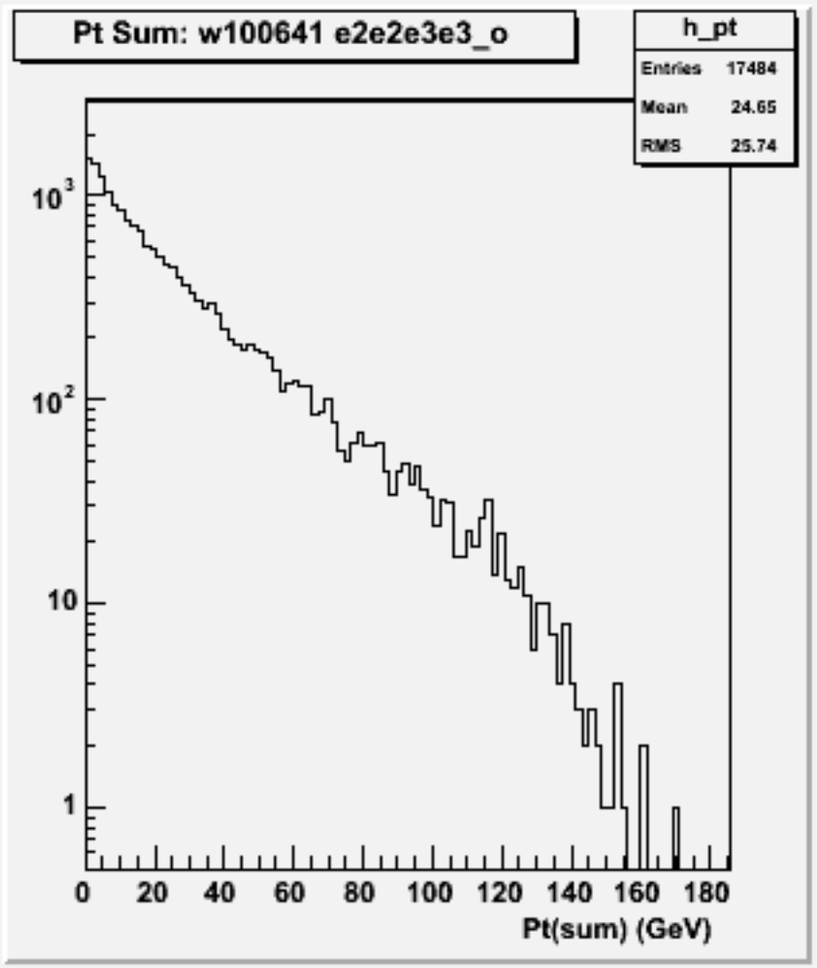

Pz Sum: w100641 e2e2e3e3_o
h_pz
Entries 17484
Mean -0.6814
RMS 65.38
Pz(sum) (GeV)

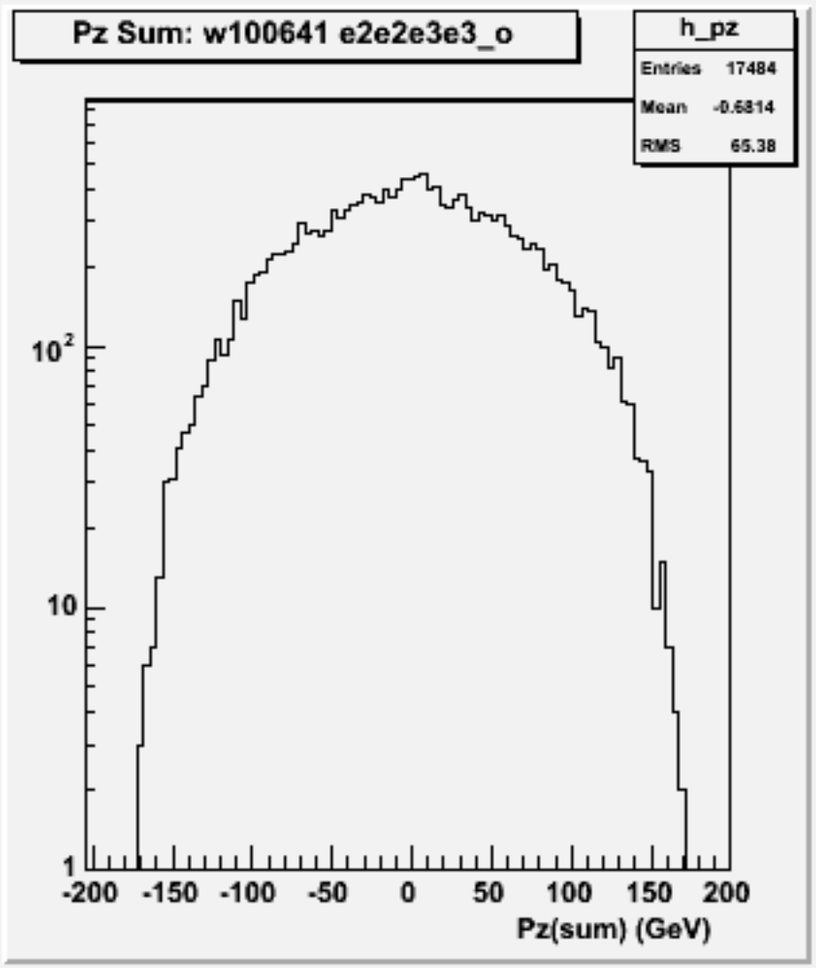

Thrust w100641 e2e2e3e3_o
h_thrust
Entries 17484
Mean 0.9239
RMS 0.07535
Thrust

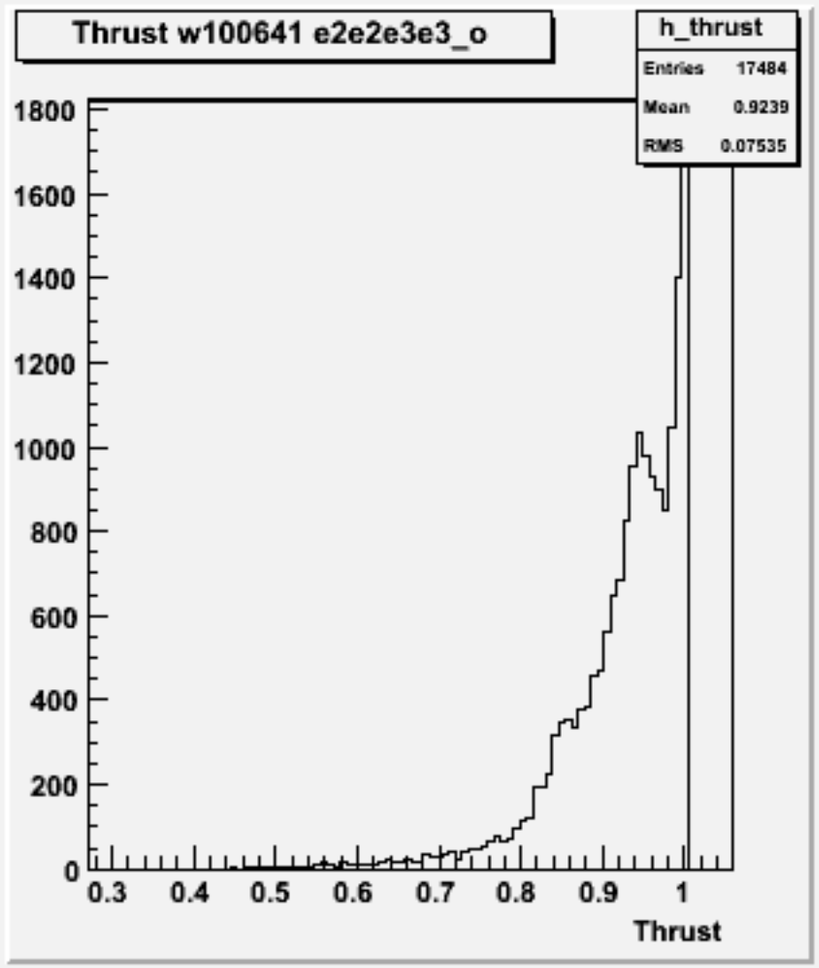

Total Energy (inc. ν): w100641 e2e2e3e3_o
h_etot
Entries 17484
Mean 346.9
RMS 7.443
Total Energy(GeV)

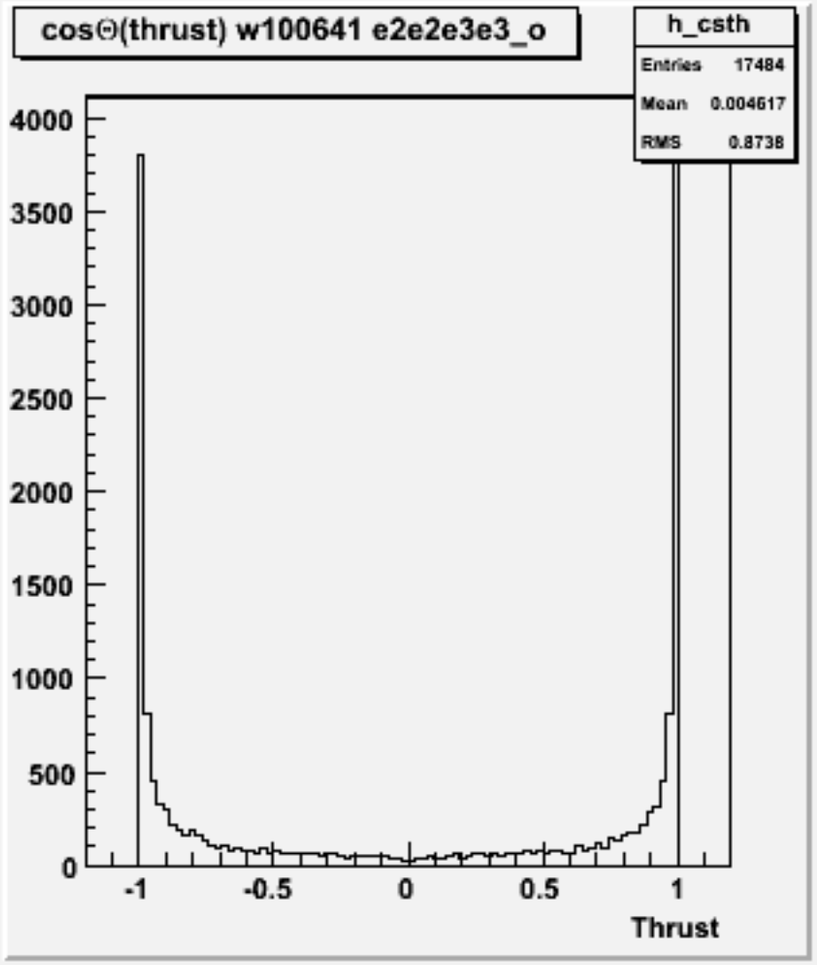

Total Energy (inc. ν): w100641 e2e2e3e3_o
h_etotc
Entries 15880
Mean 348.7
RMS 2.304
Total Energy(GeV)

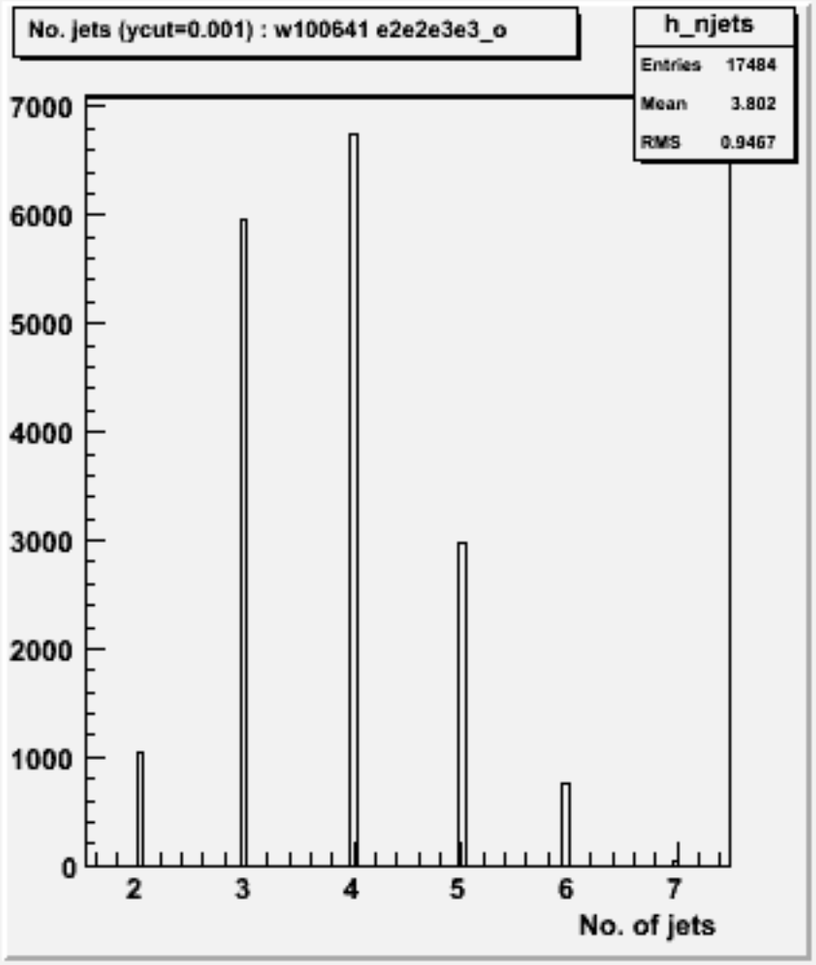

Total Energy (w/o ν): w100641 e2e2e3e3_o
h_evis
Entries 17484
Mean 265.5
RMS 47.9
Energy(GeV)

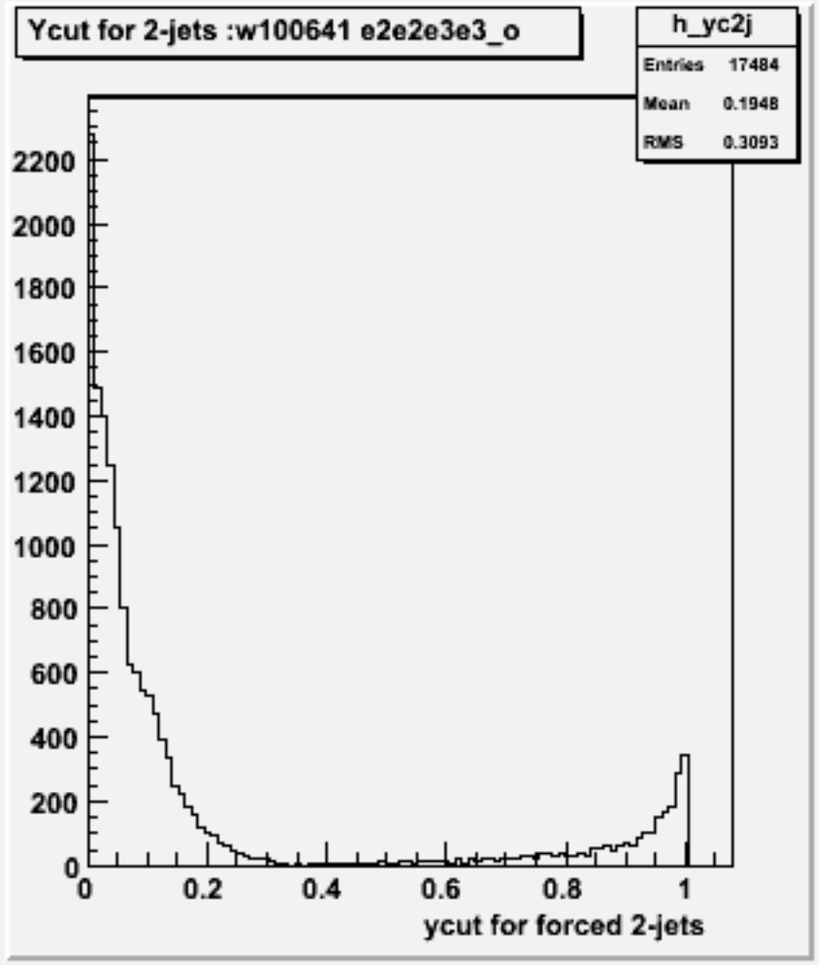

Pt Sum: w100641 e2e2e3e3_o
h_pt
Entries 17484
Mean 24.65
RMS 25.74
Pt(sum) (GeV)

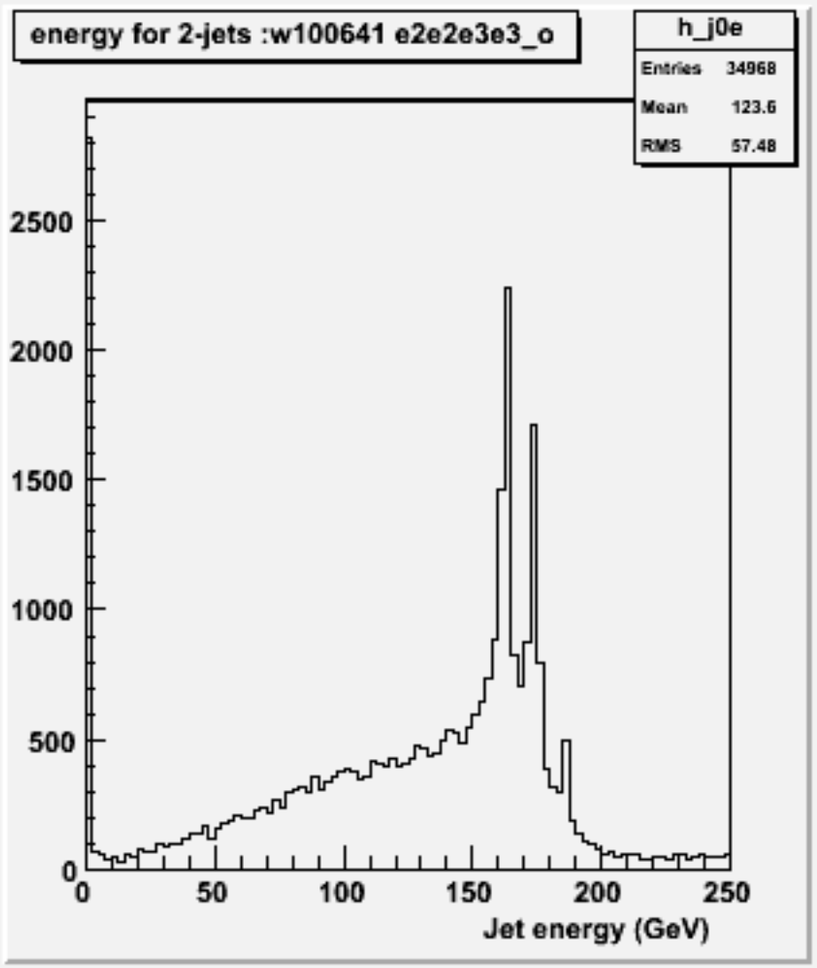

Pz Sum: w100641 e2e2e3e3_o
h_pz
Entries 17484
Mean -0.6814
RMS 65.38
Pz(sum) (GeV)

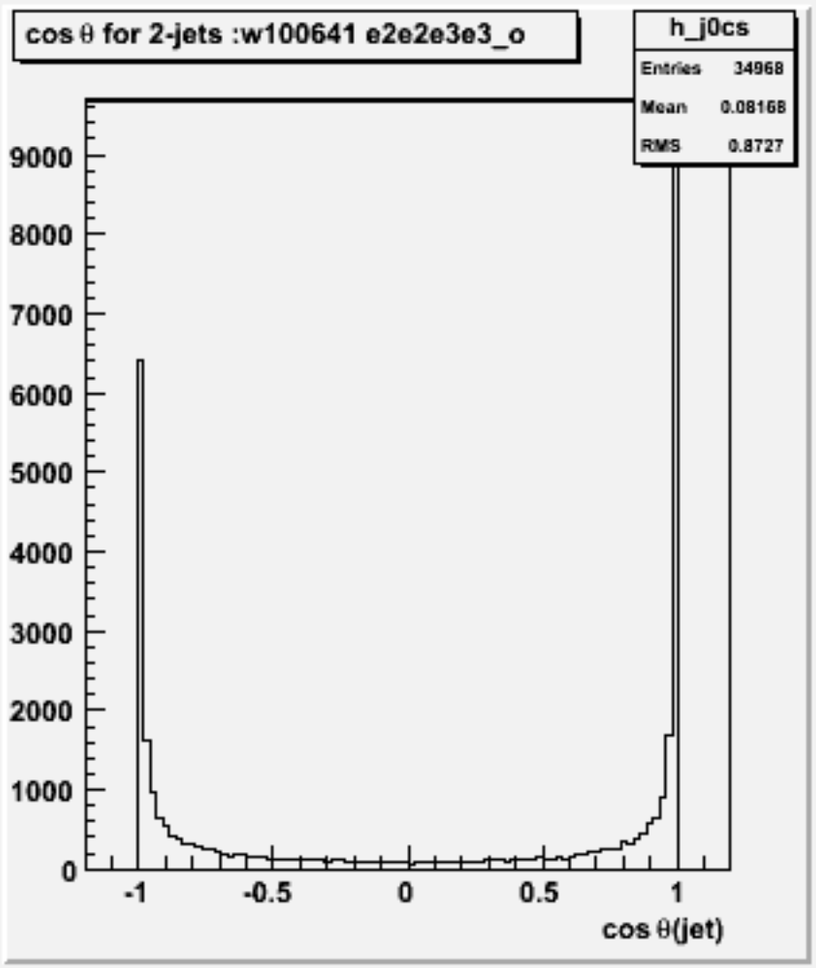

Thrust w100641 e2e2e3e3_o
h_thrust
Entries 17484
Mean 0.9239
RMS 0.07535
Thrust

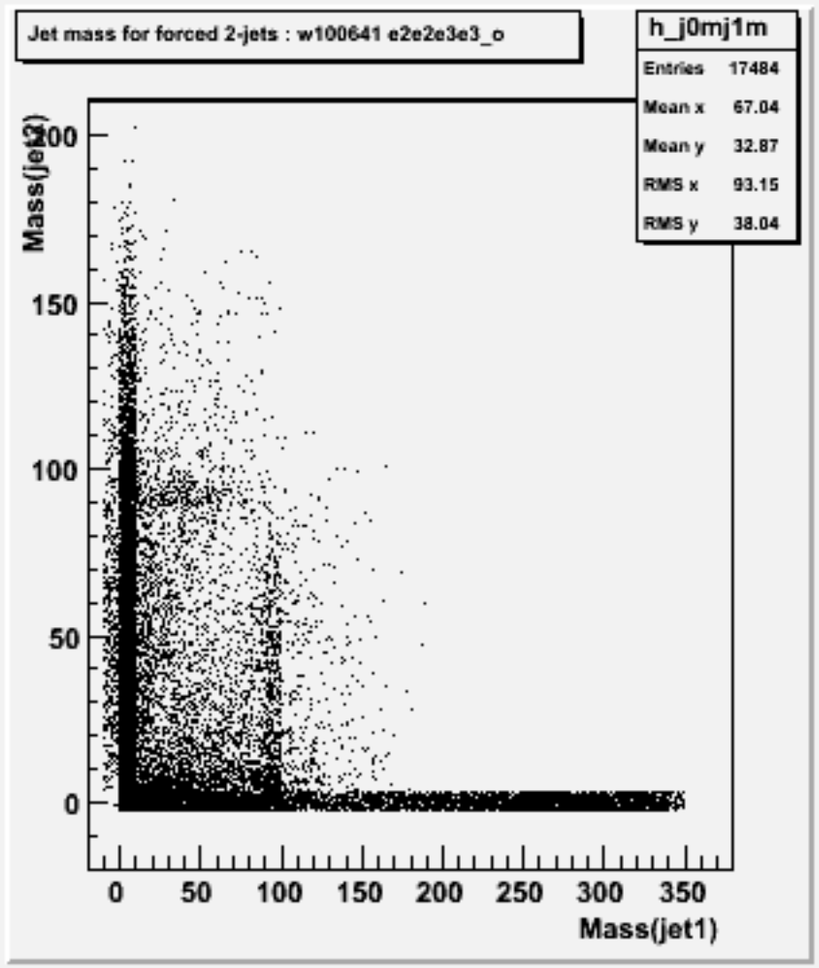

cosΘ(thrust) w100641 e2e2e3e3_o
h_csth
Entries 17484
Mean 0.004617
RMS 0.8738
Thrust

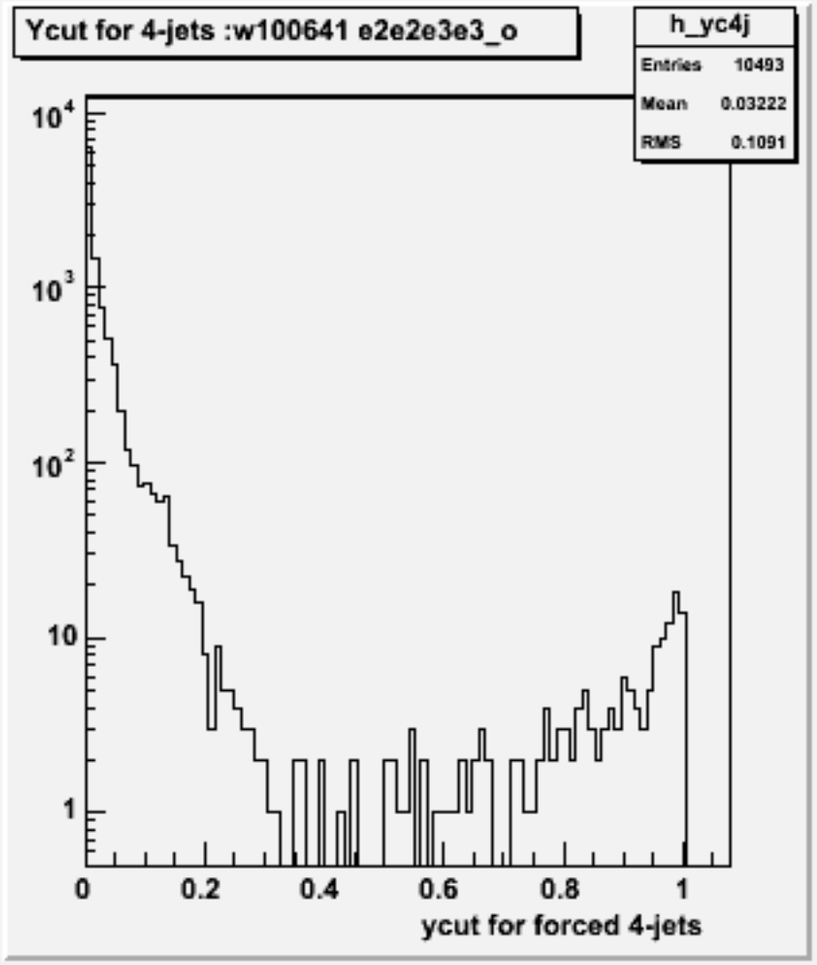

No. jets (ycut=0.001) : w100641 e2e2e3e3_o
h_njets
Entries 17484
Mean 3.802
RMS 0.9467
No. of jets

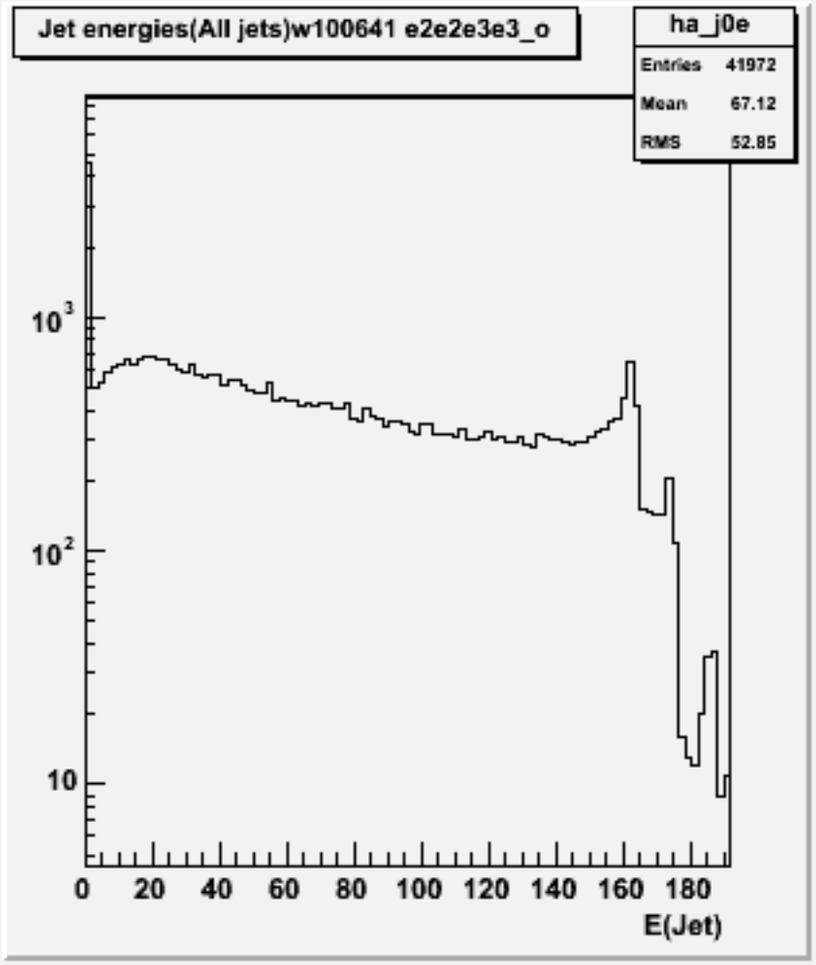

Ycut for 2-jets :w100641 e2e2e3e3_o
h_yc2j
Entries 17484
Mean 0.1948
RMS 0.3093
ycut for forced 2-jets

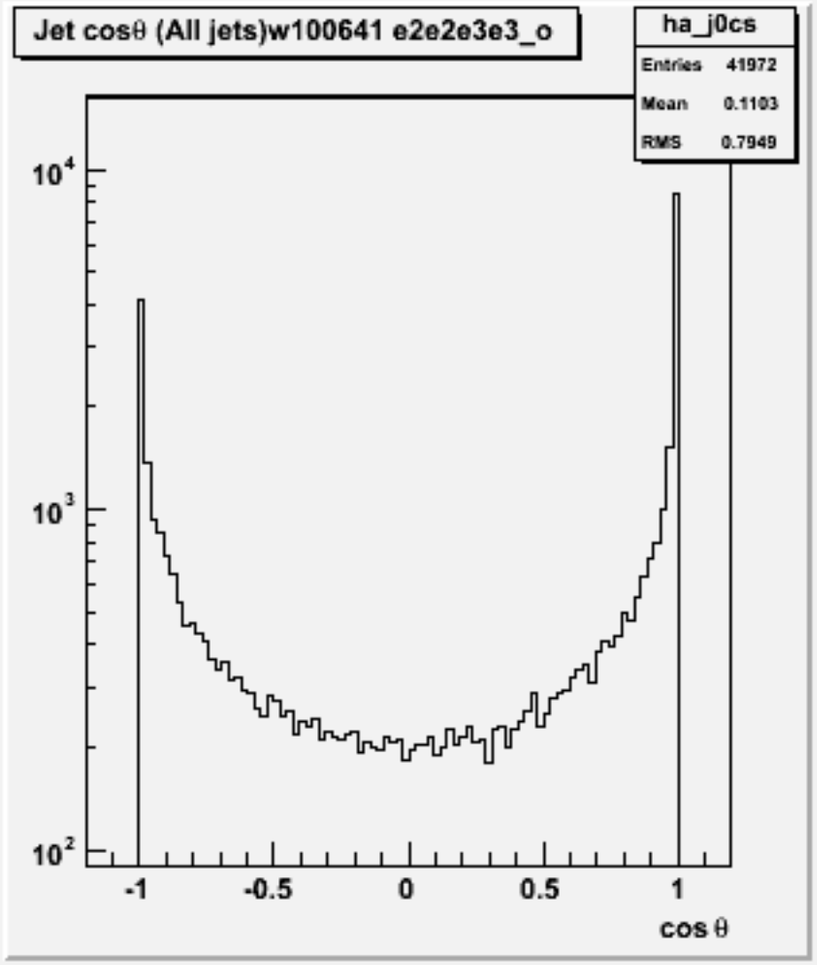

energy for 2-jets :w100641 e2e2e3e3_o
h_j0e
Entries 34968
Mean 123.6
RMS 57.48
Jet energy (GeV)

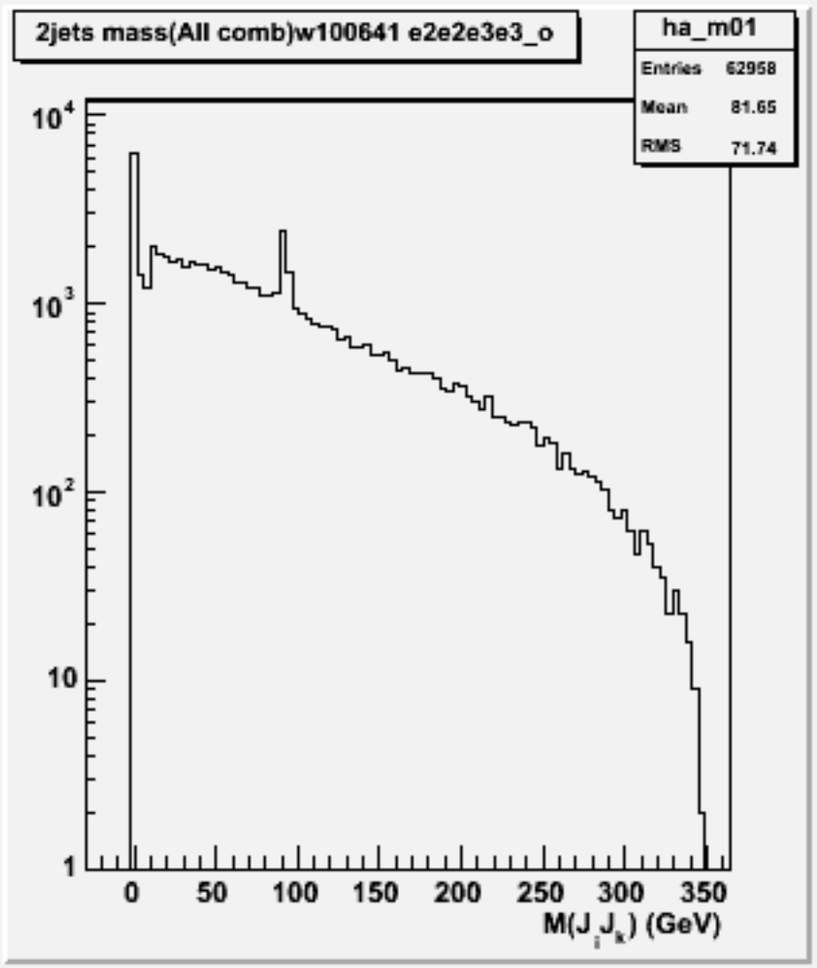

cos θ for 2-jets :w100641 e2e2e3e3_o
h_j0cs
Entries 34968
Mean 0.08168
RMS 0.8727
cos θ(jet)

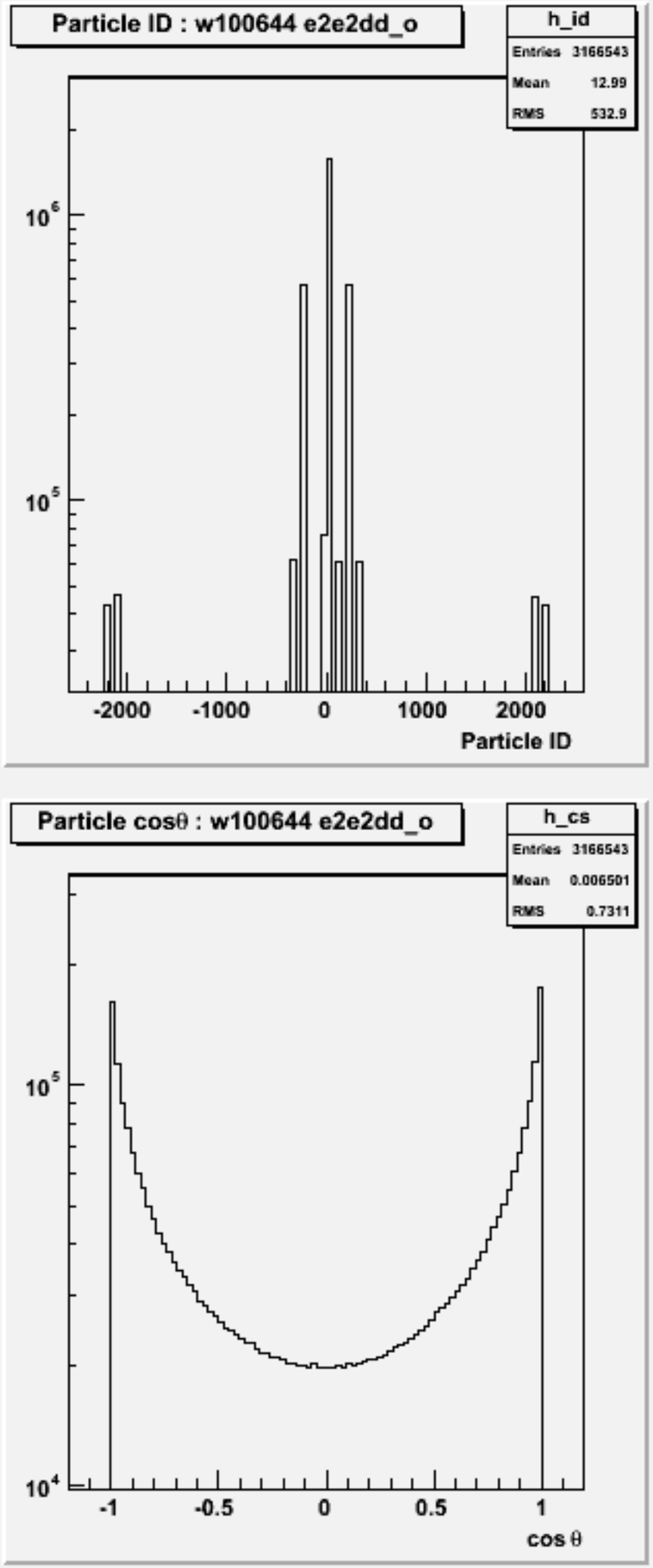

Jet mass for forced 2-jets : w100641 e2e2e3e3_o
h_j0mj1m
Entries 17484
Mean x 67.04
Mean y 32.87
RMS x 93.15
RMS y 38.04
Mass(jet2)
Mass(jet1)

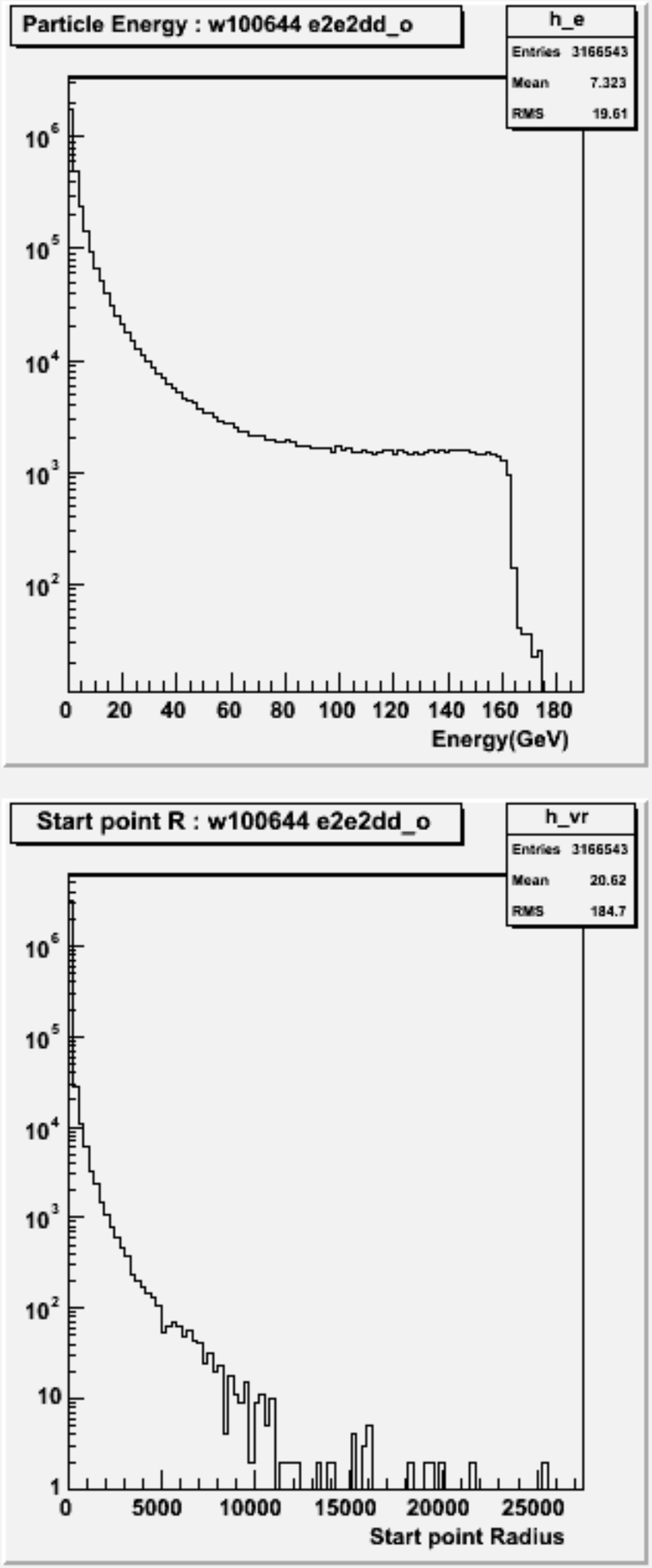

Ycut for 4-jets :w100641 e2e2e3e3_o
h_yc4j
Entries 10493
Mean 0.03222
RMS 0.1091
ycut for forced 4-jets

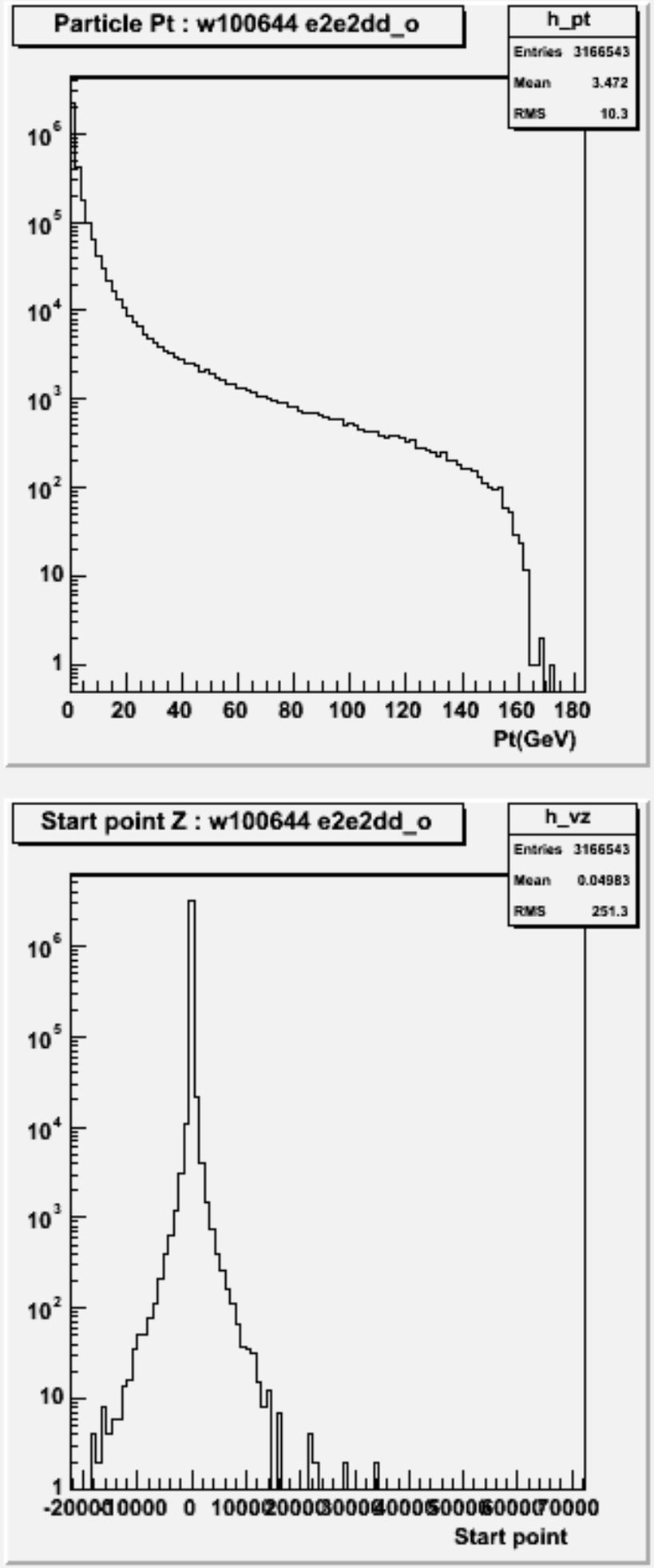

Jet energies(All jets)w100641 e2e2e3e3_o
ha_j0e
Entries 41972
Mean 67.12
RMS 52.85
E(Jet)


Jet cosθ (All jets)w100641 e2e2e3e3_o
ha_j0cs
Entries 41972
Mean 0.1103
RMS 0.7949
cos θ


2jets mass(All comb)w100641 e2e2e3e3_o
ha_m01
Entries 62958
Mean 81.65
RMS 71.74
M(J_iJ_k) (GeV)


Particle ID : w100644 e2e2dd_o
h_id
Entries 3166543
Mean 12.99
RMS 532.9
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

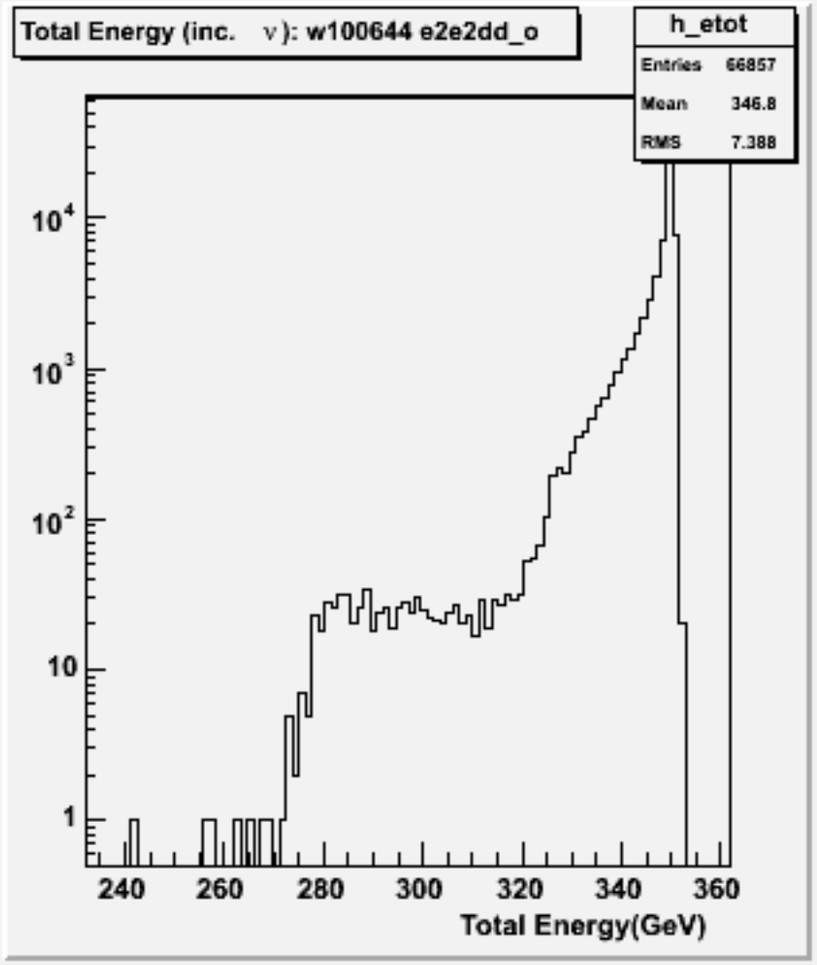

Particle Energy : w100644 e2e2dd_o
h_e
Entries 3166543
Mean 7.323
RMS 19.61
10^6
10^5
10^4
10^3
10^2
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

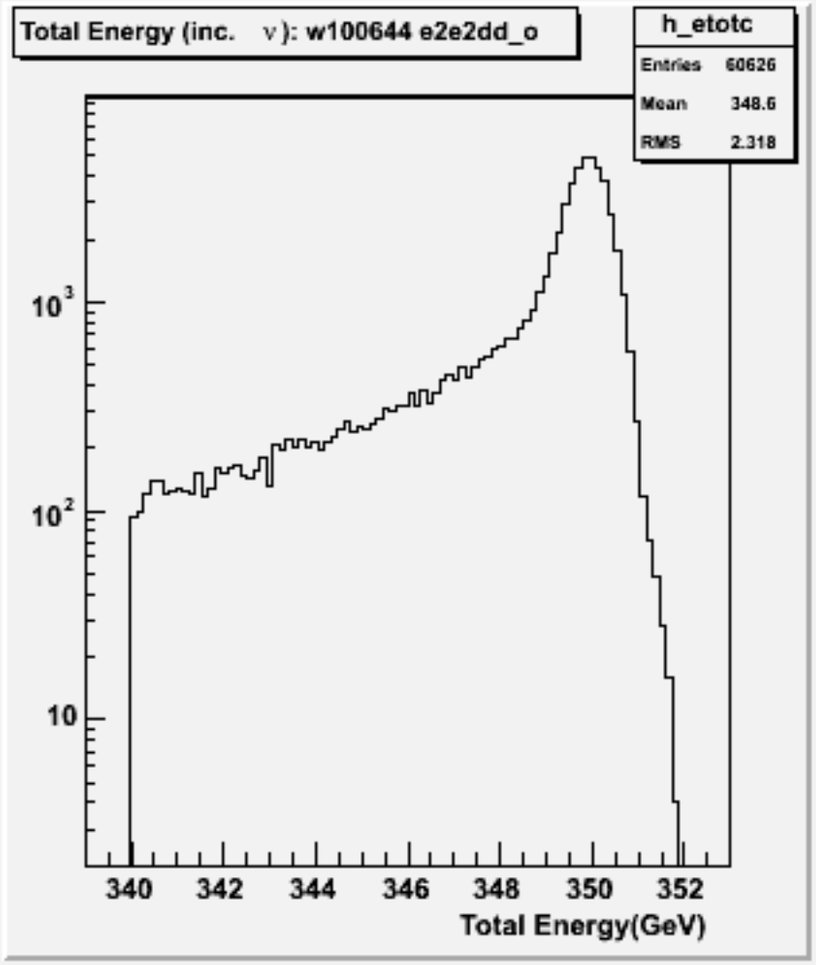

Particle Pt : w100644 e2e2dd_o
h_pt
Entries 3166543
Mean 3.472
RMS 10.3
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Pt(GeV)

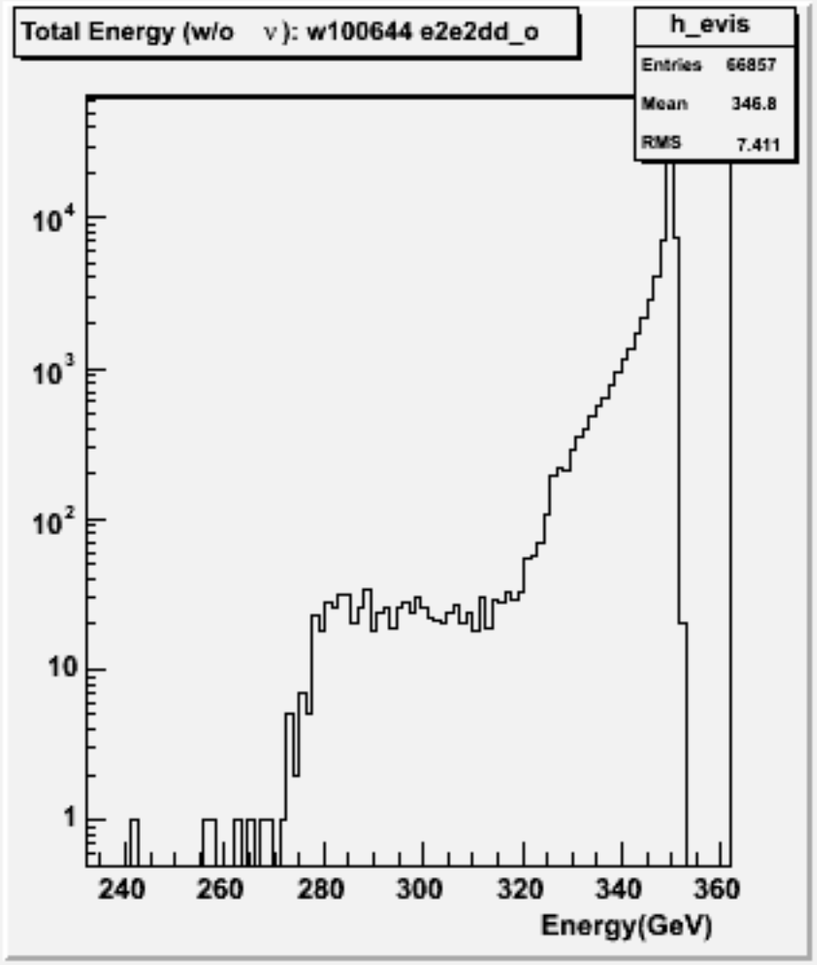
Particle cosθ : w100644 e2e2dd_o
h_cs
Entries 3166543
Mean 0.006501
RMS 0.7311
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

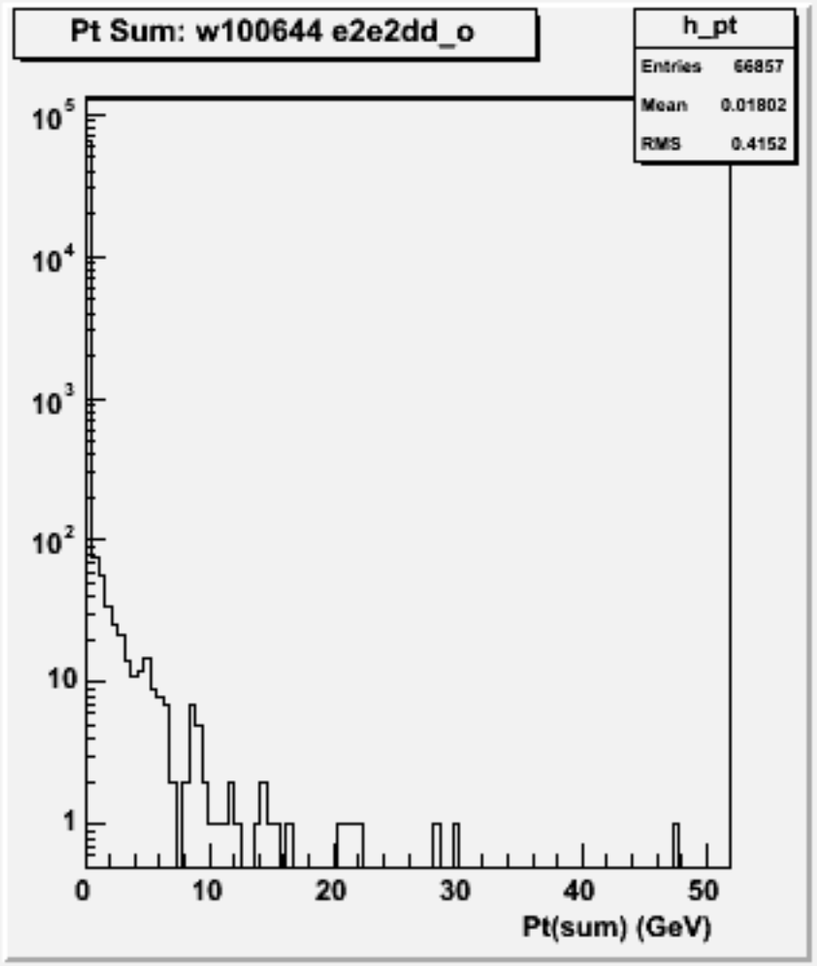
Start point R : w100644 e2e2dd_o
h_vr
Entries 3166543
Mean 20.62
RMS 184.7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
Start point Radius

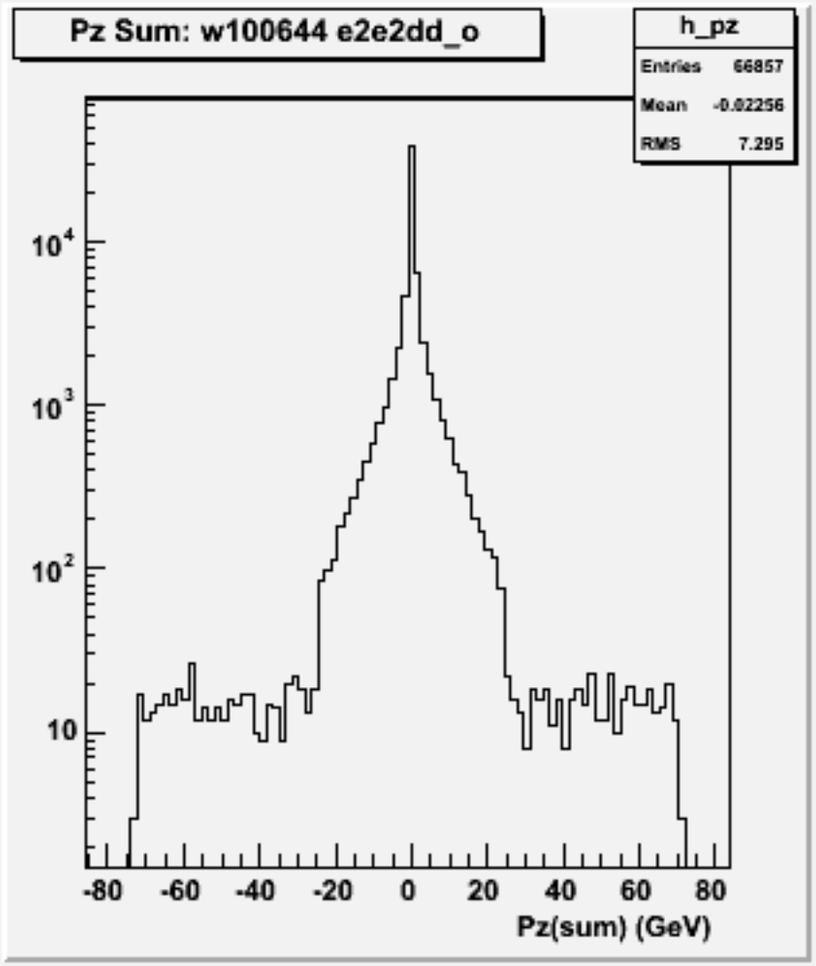
Start point Z : w100644 e2e2dd_o
h_vz
Entries 3166543
Mean 0.04983
RMS 251.3
10^6
10^5
10^4
10^3
10^2
10
1
-20000
-10000
0
10000
20000
30000
40000
50000
60000
70000
Start point

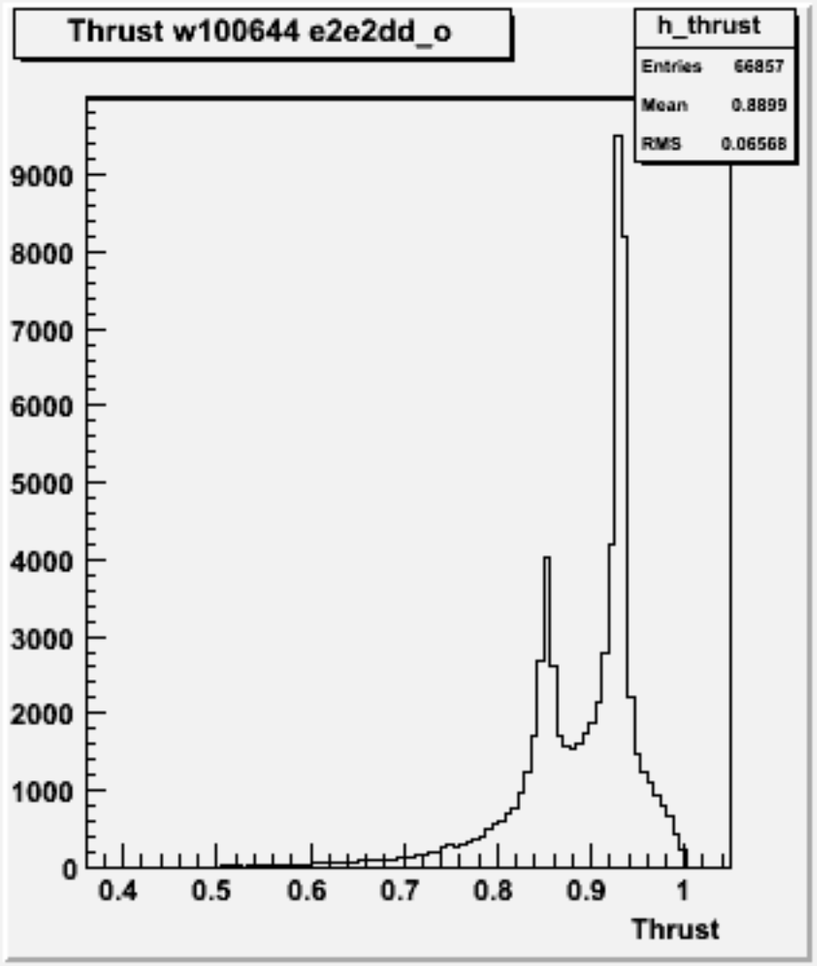

Total Energy (inc. ν): w100644 e2e2dd_o
h_etot
Entries 66857
Mean 346.8
RMS 7.388
Total Energy(GeV)

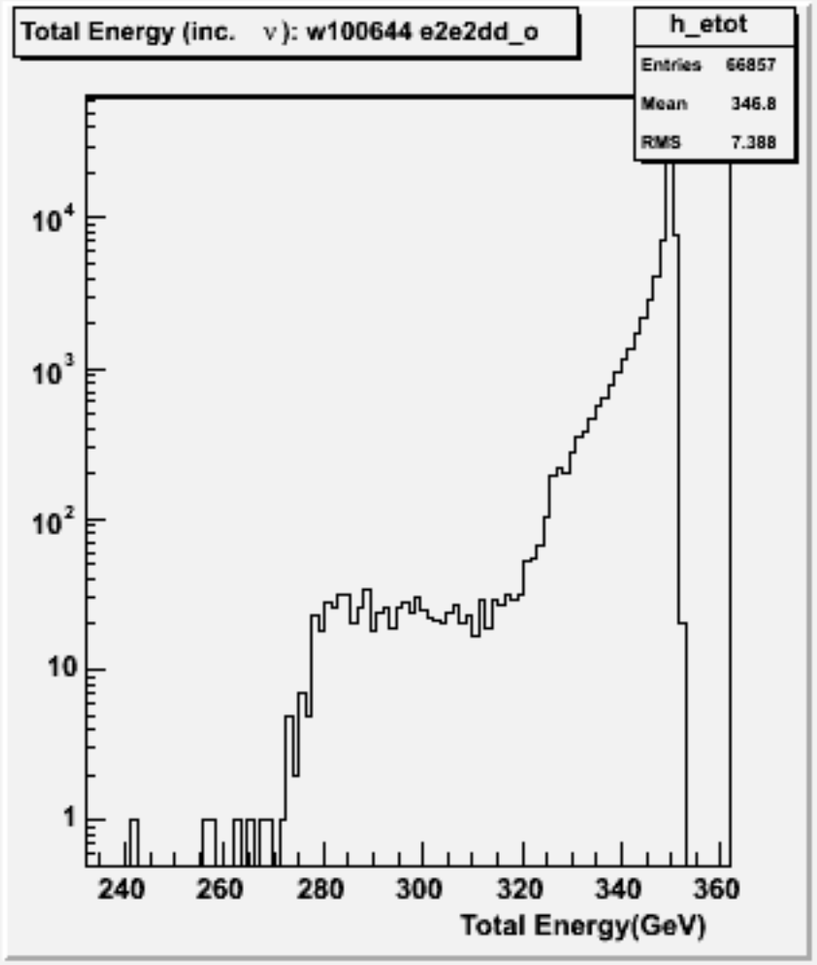

Total Energy (inc. ν): w100644 e2e2dd_o
h_etotc
Entries 60626
Mean 348.6
RMS 2.318
Total Energy(GeV)

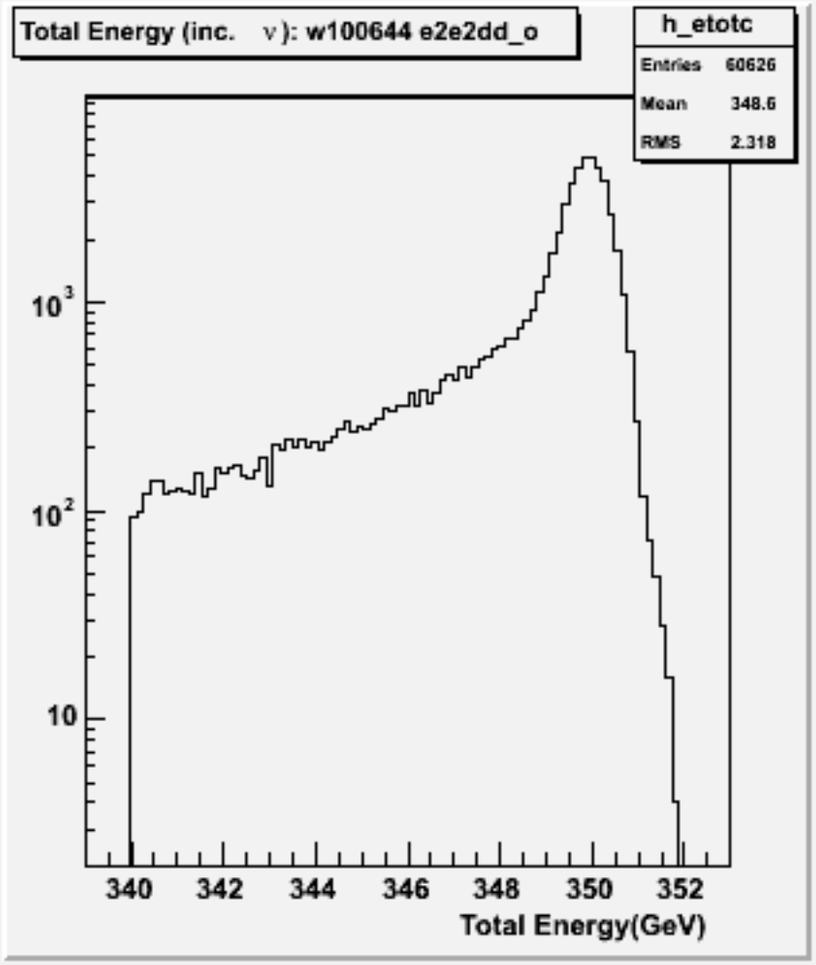

Total Energy (w/o ν): w100644 e2e2dd_o
h_evis
Entries 66857
Mean 346.8
RMS 7.411
Energy(GeV)

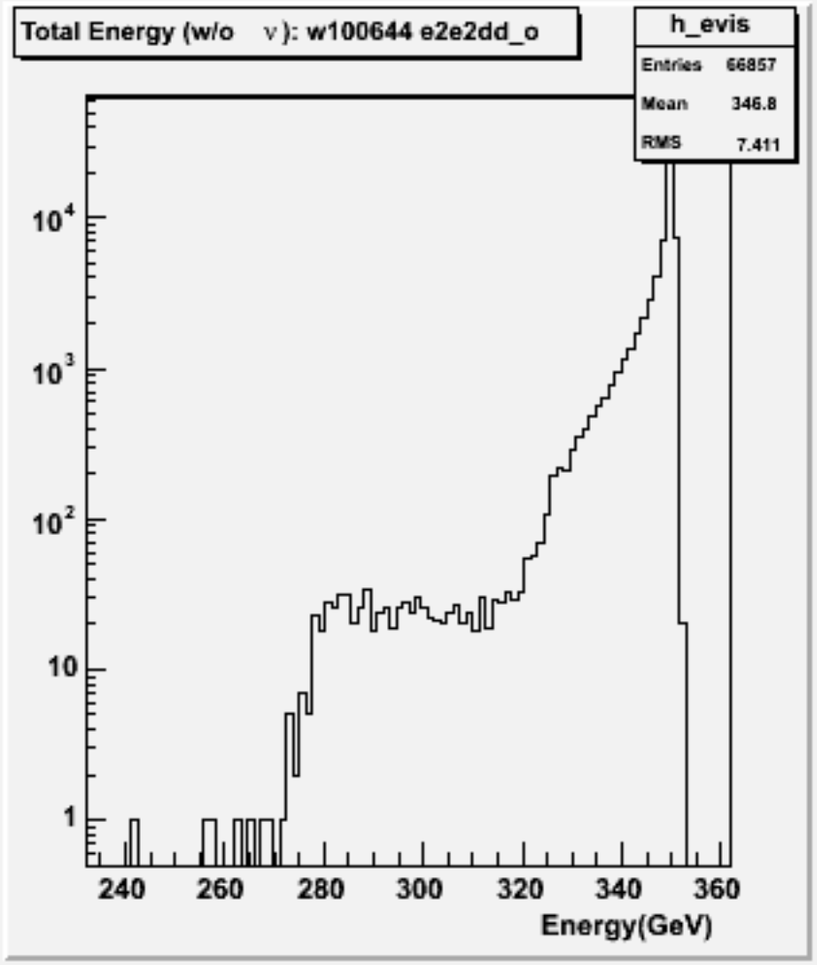

Pt Sum: w100644 e2e2dd_o
h_pt
Entries 66857
Mean 0.01802
RMS 0.4152
Pt(sum) (GeV)

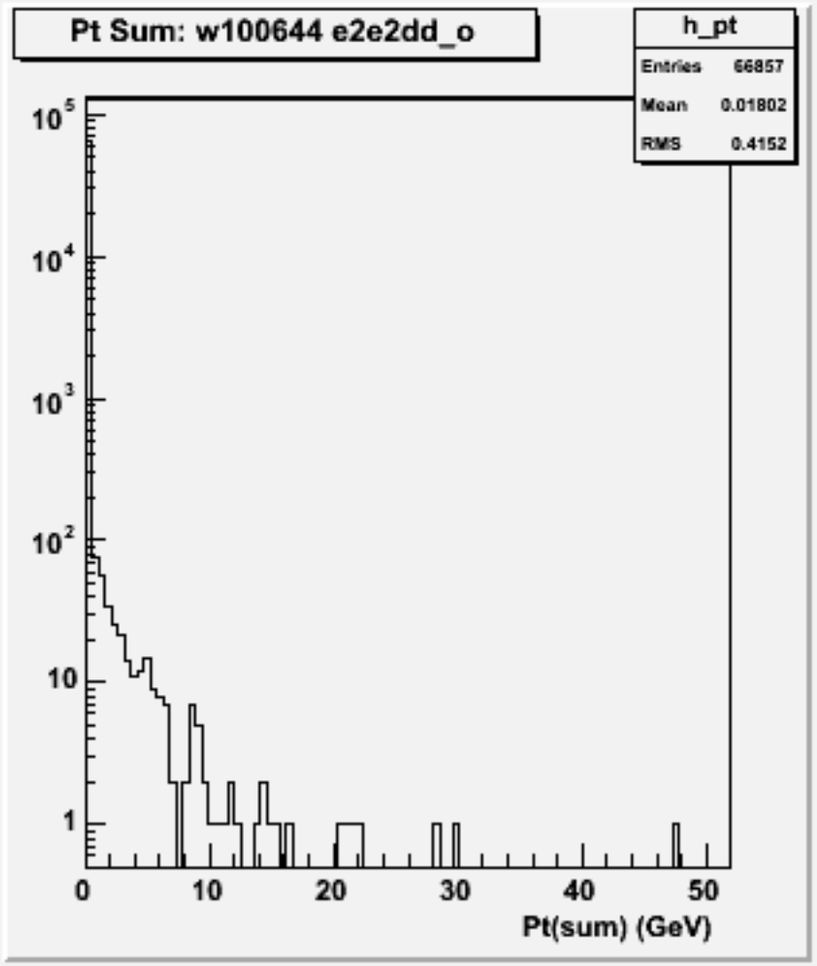

Pz Sum: w100644 e2e2dd_o
h_pz
Entries 66857
Mean -0.02256
RMS 7.295
Pz(sum) (GeV)

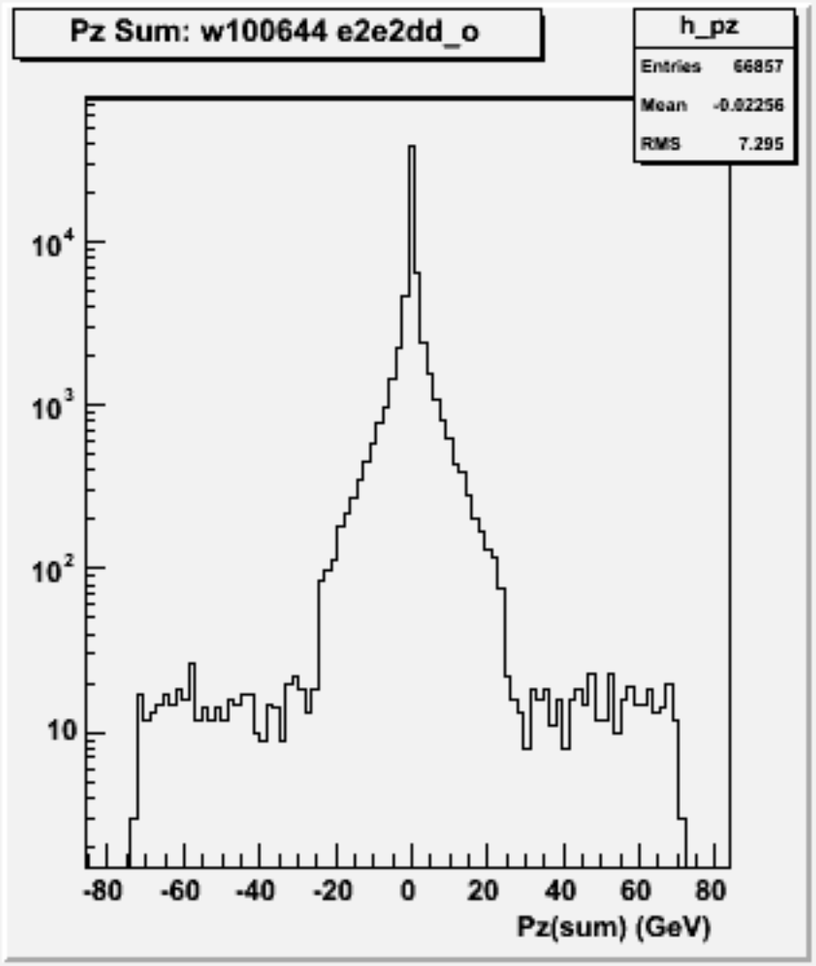

Thrust w100644 e2e2dd_o
h_thrust
Entries 66857
Mean 0.8899
RMS 0.06568
Thrust

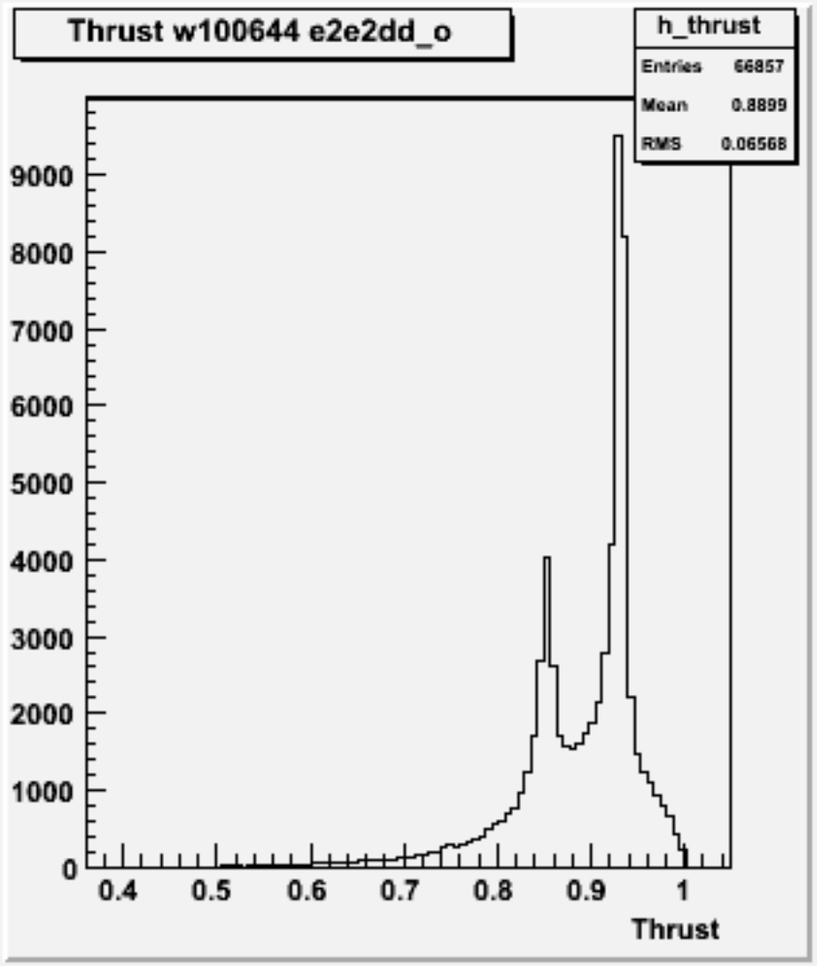

Total Energy (inc. ν): w100644 e2e2dd_o
h_etot
Entries 66857
Mean 346.8
RMS 7.388
Total Energy(GeV)

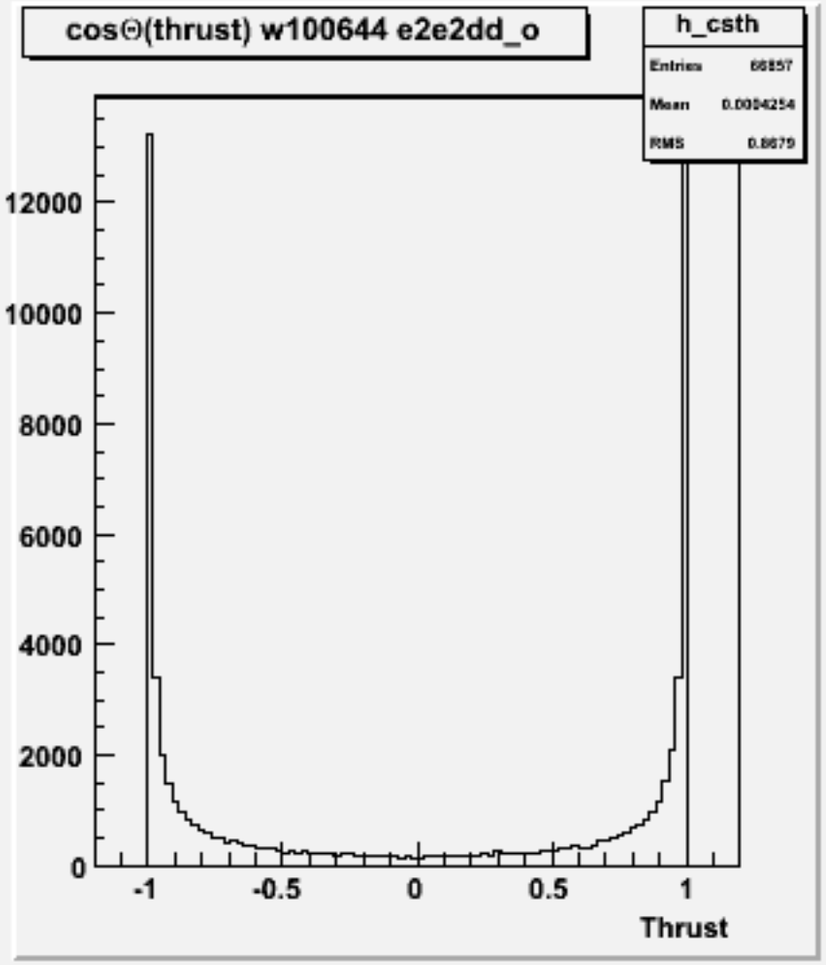

Total Energy (inc. ν): w100644 e2e2dd_o
h_etotc
Entries 60626
Mean 348.6
RMS 2.318
Total Energy(GeV)

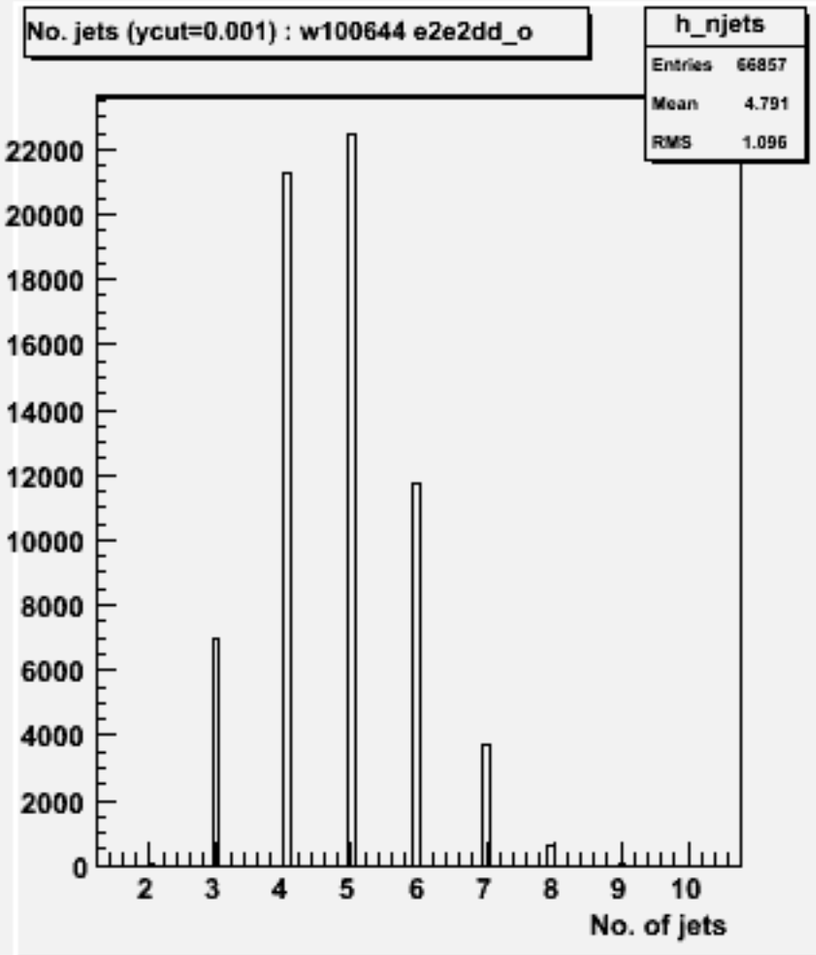

Total Energy (w/o ν): w100644 e2e2dd_o
h_evis
Entries 66857
Mean 346.8
RMS 7.411
Energy(GeV)

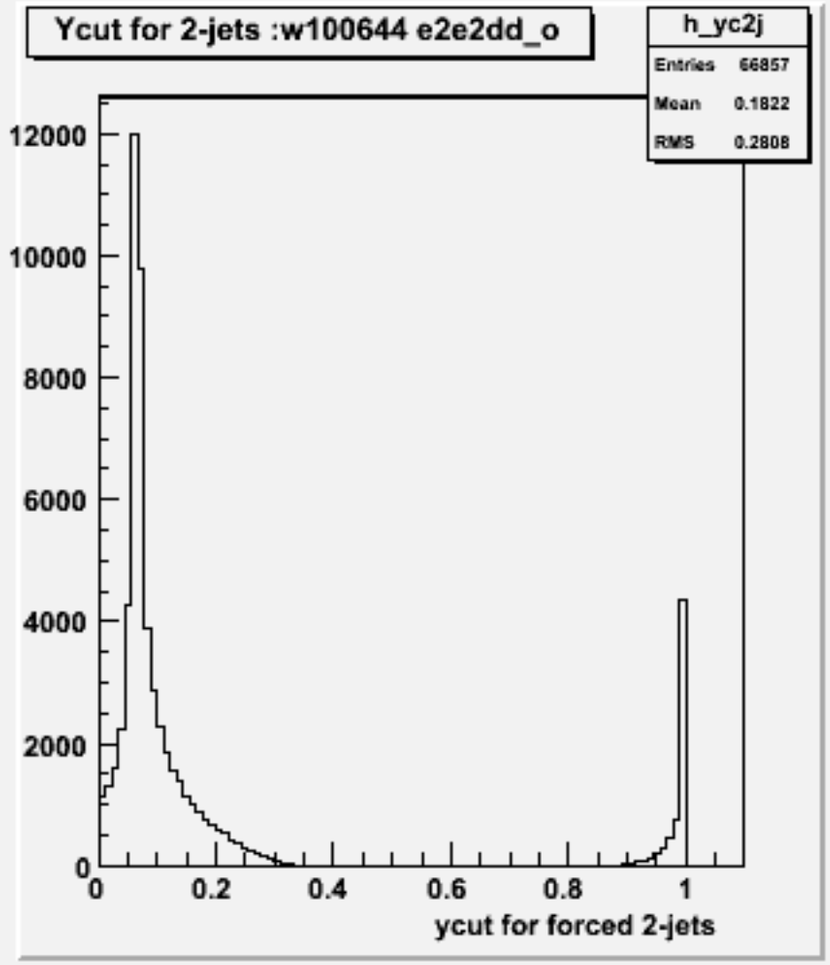

Pt Sum: w100644 e2e2dd_o
h_pt
Entries 66857
Mean 0.01802
RMS 0.4152
Pt(sum) (GeV)

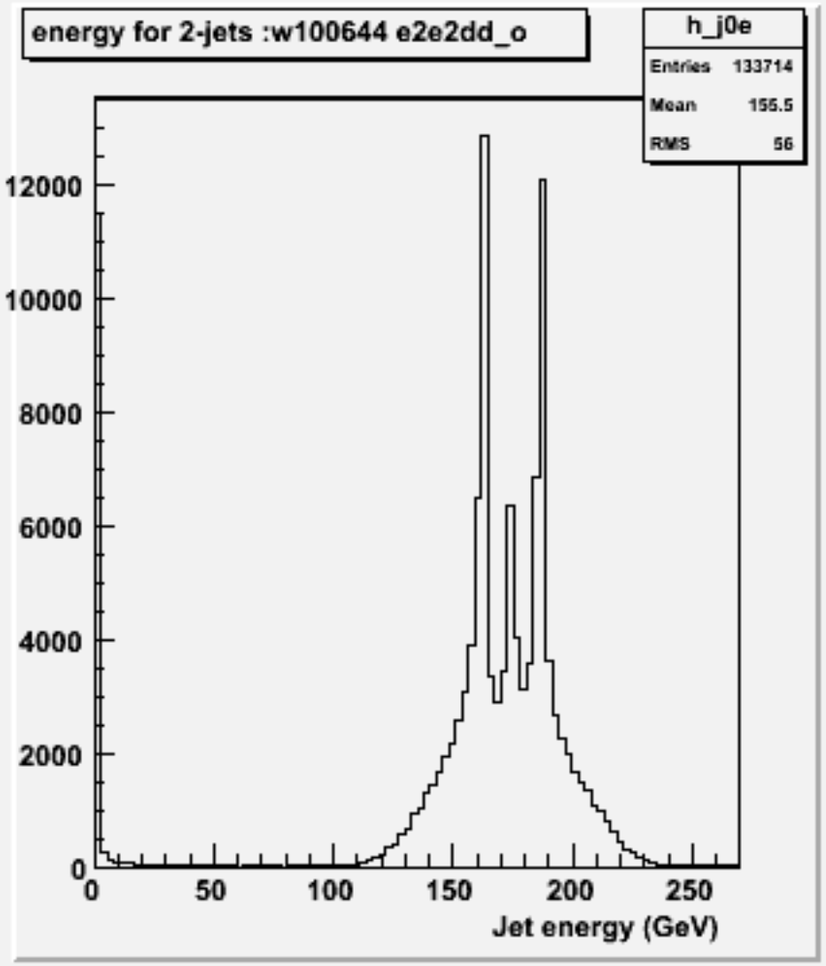

Pz Sum: w100644 e2e2dd_o
h_pz
Entries 66857
Mean -0.02256
RMS 7.295
Pz(sum) (GeV)

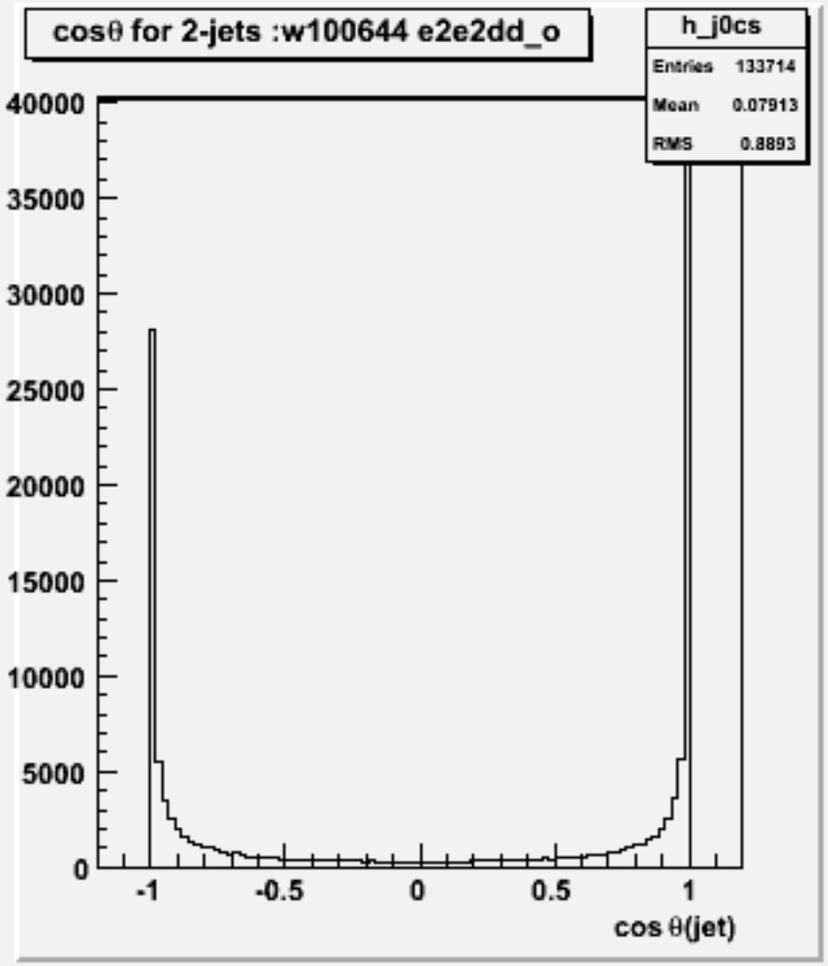

Thrust w100644 e2e2dd_o
h_thrust
Entries 66857
Mean 0.8899
RMS 0.06568
Thrust

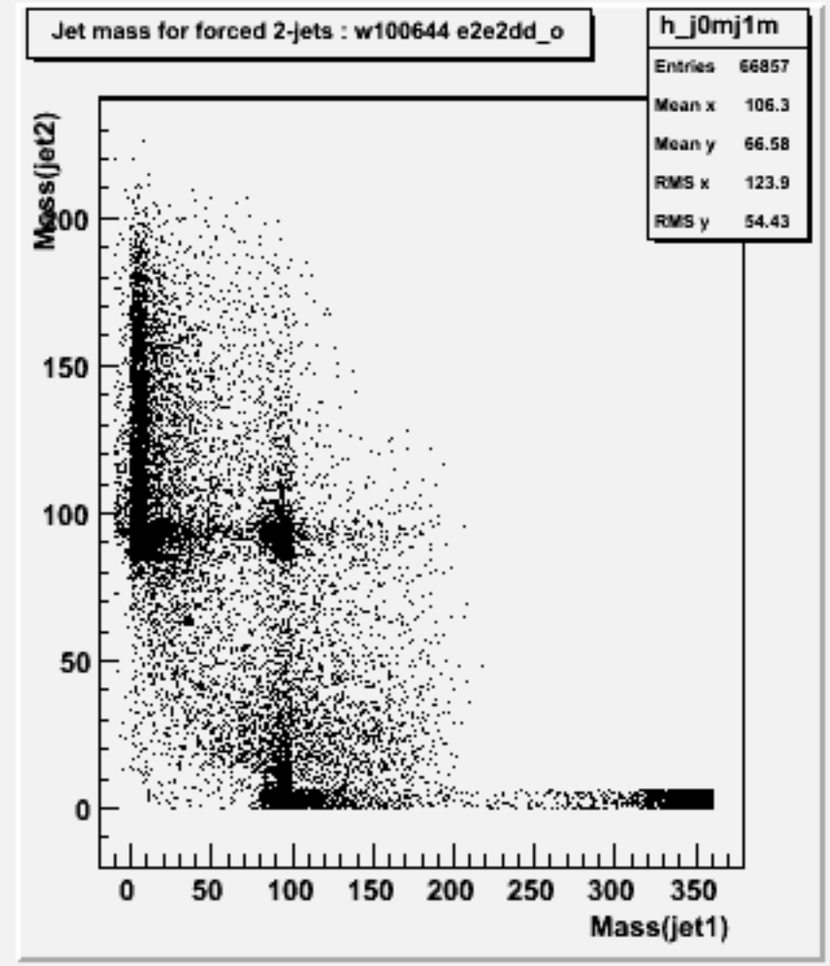

cosΘ(thrust) w100644 e2e2dd_o
h_csth
Entries 66857
Mean 0.0004254
RMS 0.8679
12000
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
Thrust

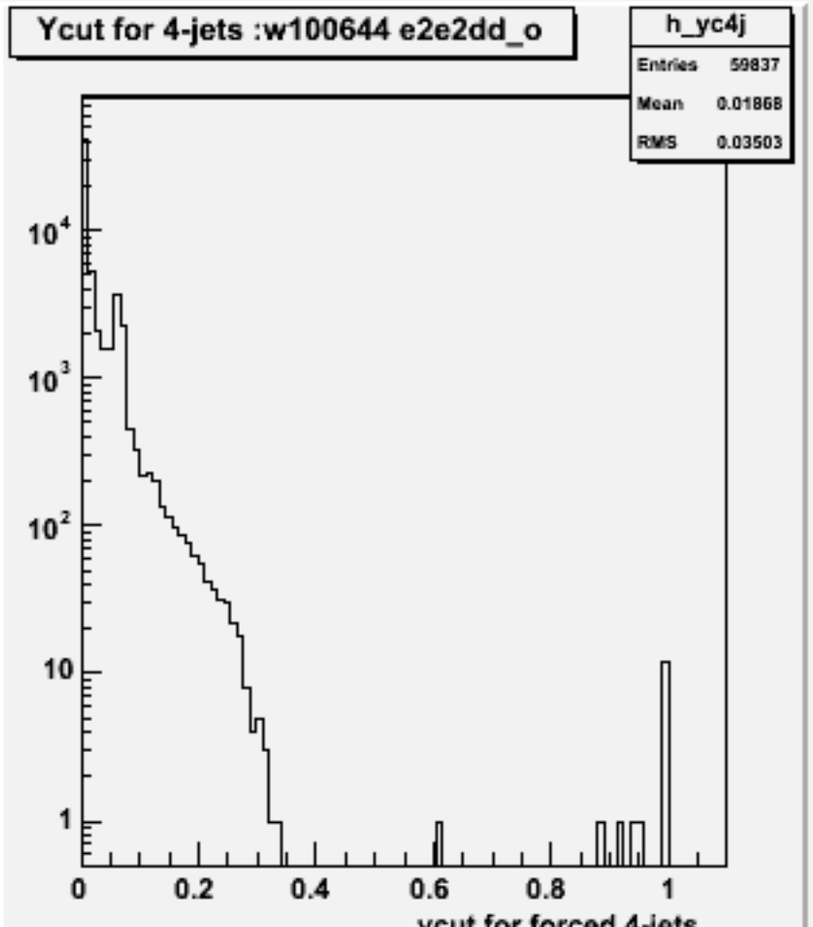

No. jets (ycut=0.001) : w100644 e2e2dd_o
h_njets
Entries 66857
Mean 4.791
RMS 1.096
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
9
10
No. of jets

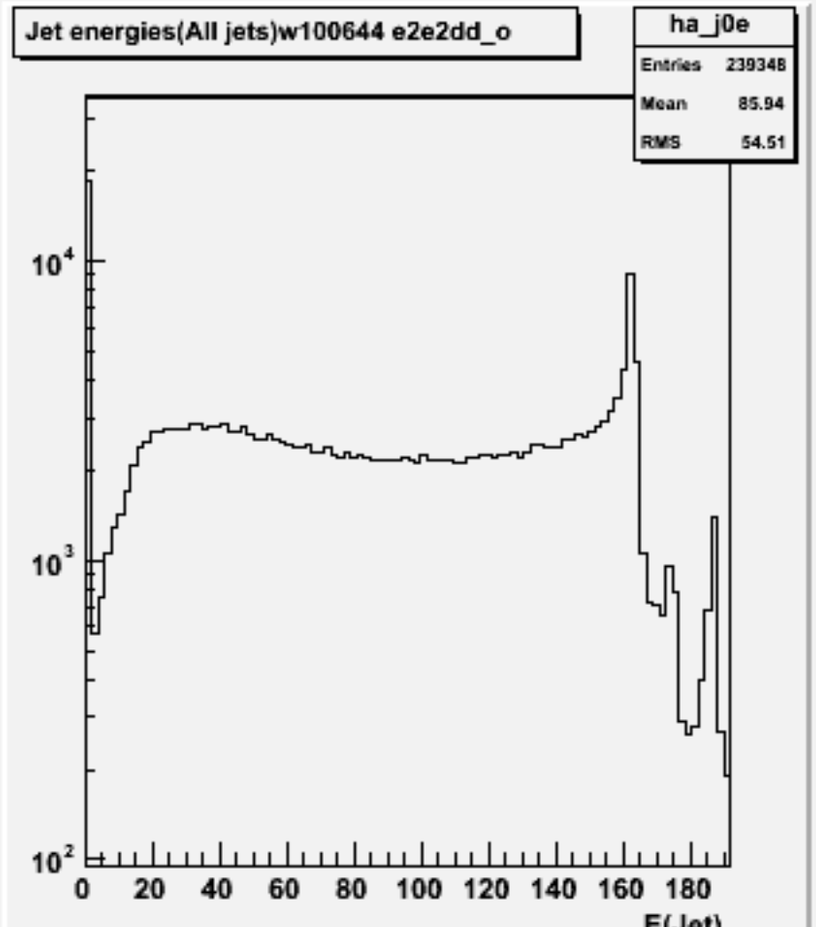

Ycut for 2-jets :w100644 e2e2dd_o
h_yc2j
Entries 66857
Mean 0.1822
RMS 0.2808
12000
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

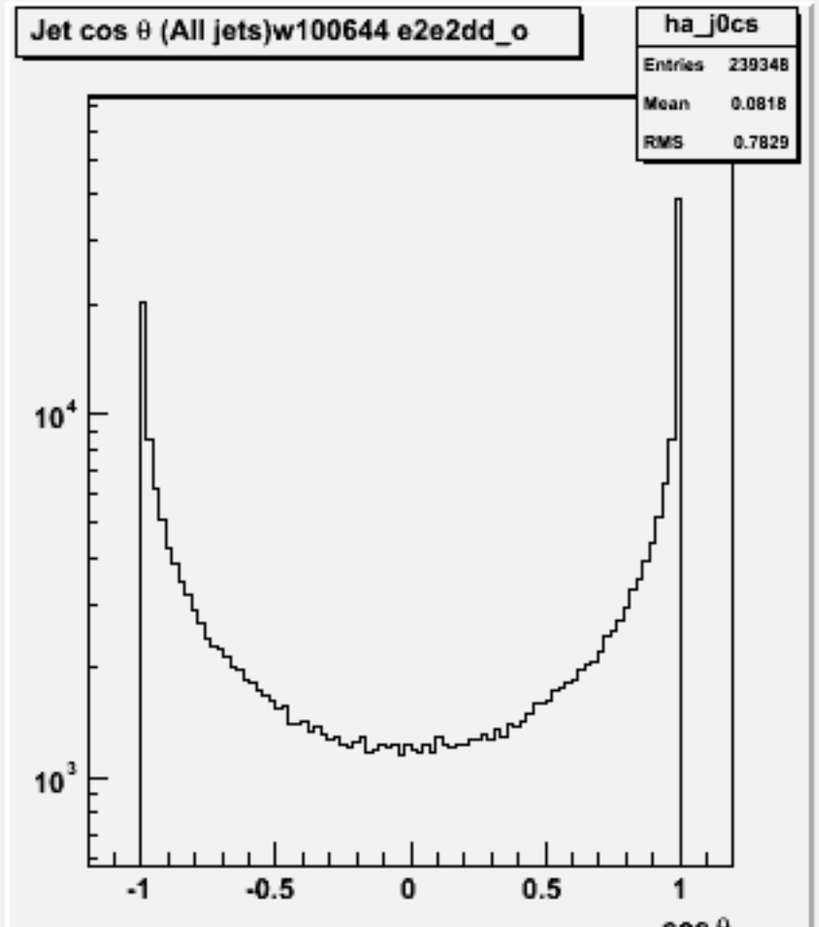

energy for 2-jets :w100644 e2e2dd_o
h_j0e
Entries 133714
Mean 155.5
RMS 56
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
250
Jet energy (GeV)

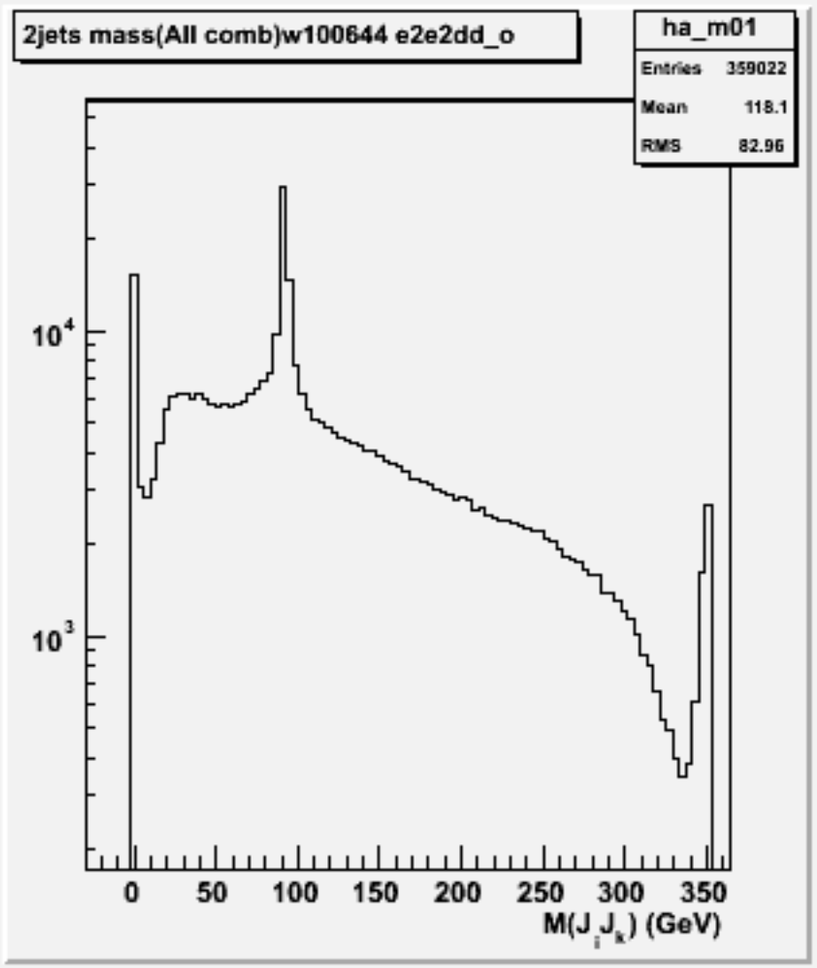

cosθ for 2-jets :w100644 e2e2dd_o
h_j0cs
Entries 133714
Mean 0.07913
RMS 0.8893
40000
35000
30000
25000
20000
15000
10000
5000
0
-1
-0.5
0
0.5
1
cos θ(jet)

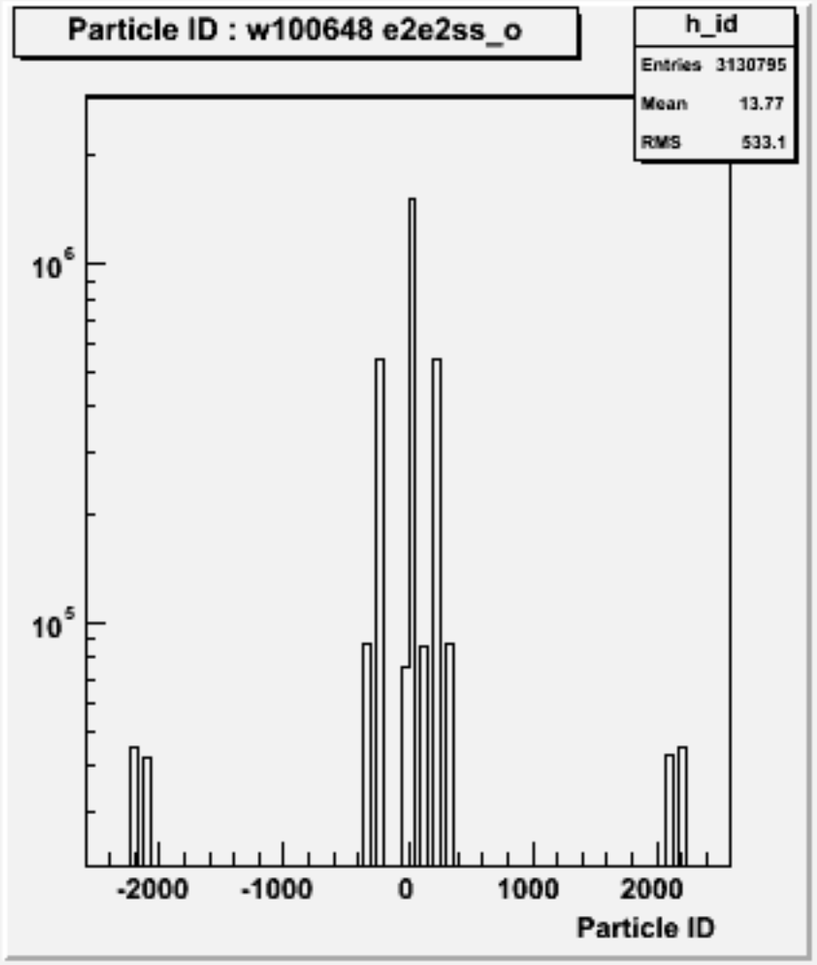

Jet mass for forced 2-jets : w100644 e2e2dd_o
h_j0mj1m
Entries 66857
Mean x 106.3
Mean y 66.58
RMS x 123.9
RMS y 54.43
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

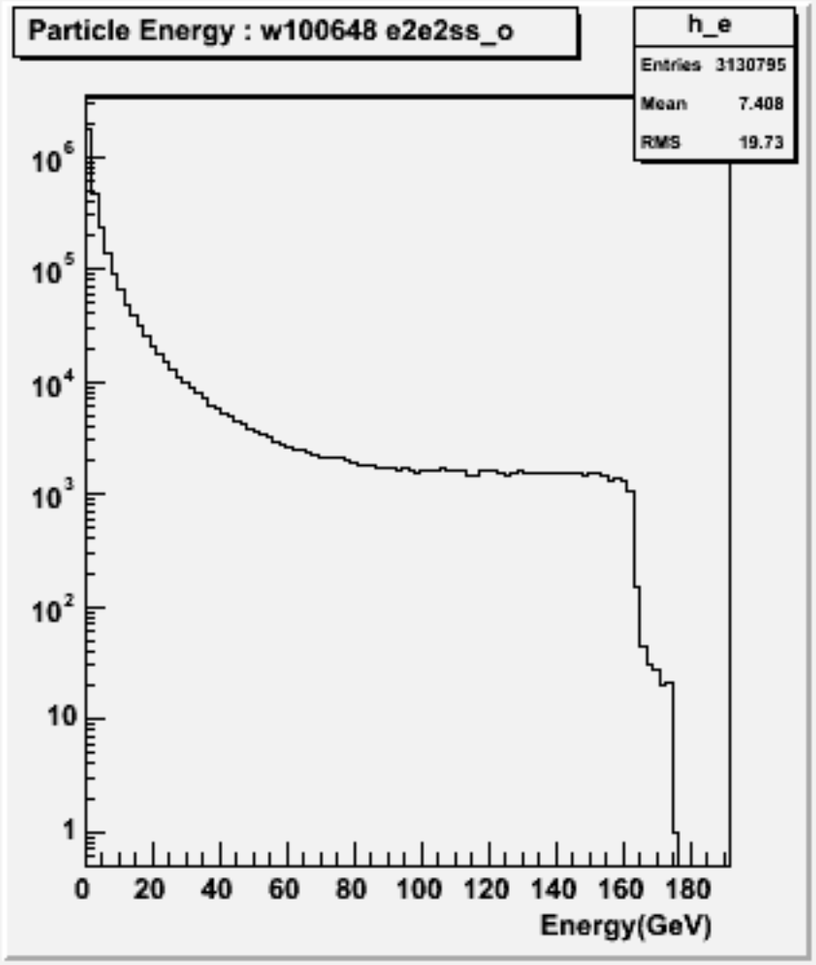

Ycut for 4-jets :w100644 e2e2dd_o
h_yc4j
Entries 59837
Mean 0.01868
RMS 0.03503
ycut for forced 4-jets

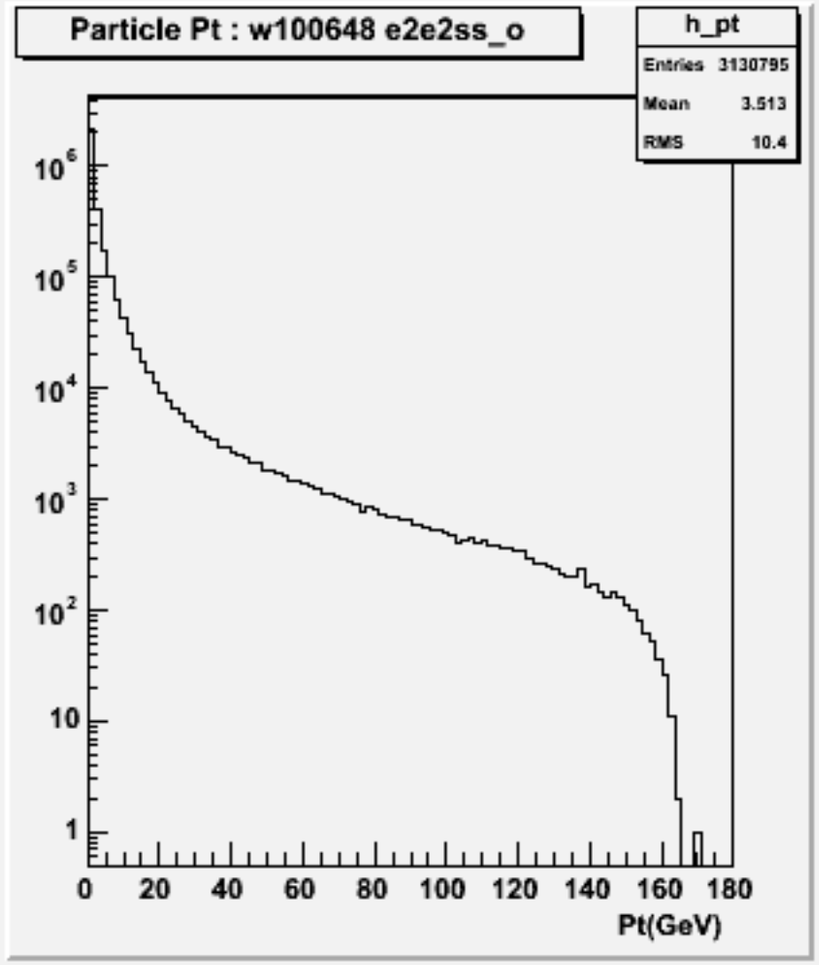

Jet energies(All jets)w100644 e2e2dd_o
ha_j0e
Entries 239348
Mean 85.94
RMS 54.51
E(Jet)

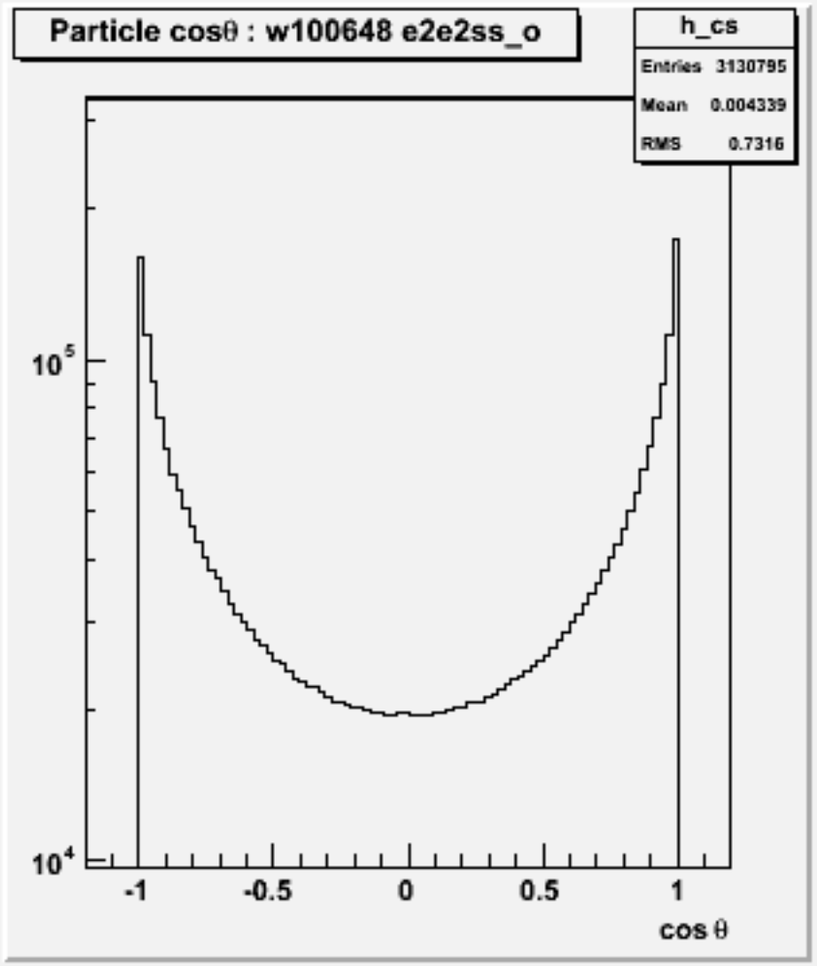

Jet cos θ (All jets)w100644 e2e2dd_o
ha_j0cs
Entries 239348
Mean 0.0818
RMS 0.7829
cos θ

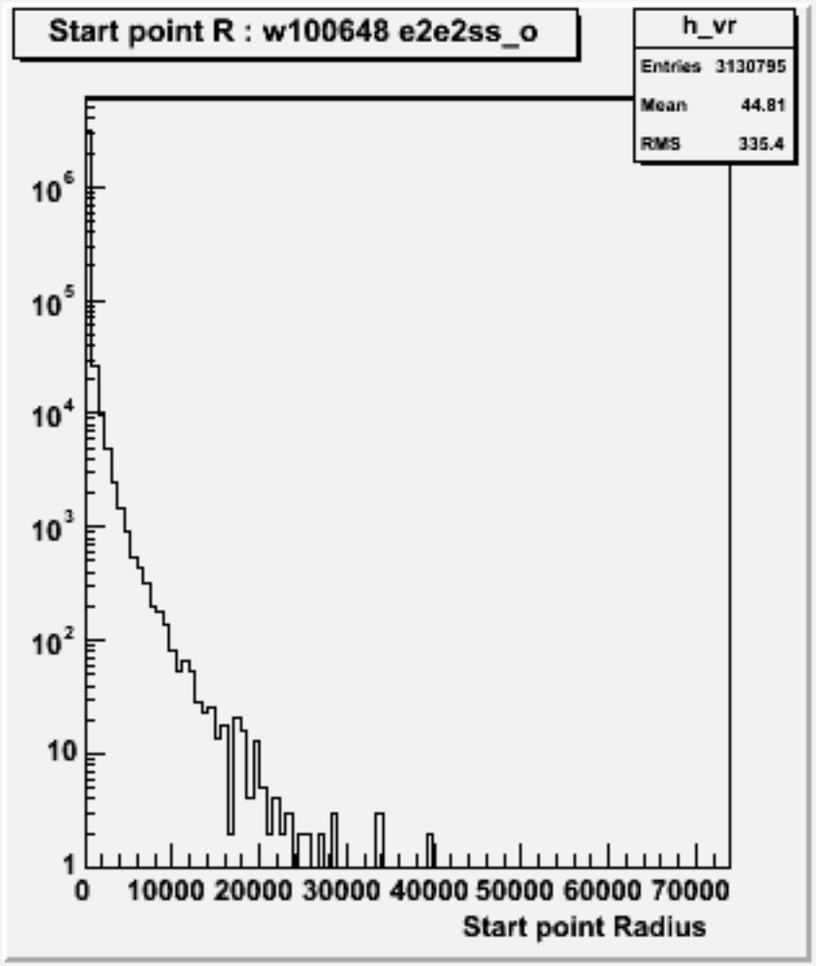

2jets mass(All comb)w100644 e2e2dd_o
ha_m01
Entries 359022
Mean 118.1
RMS 82.96
M(J_iJ_k) (GeV)

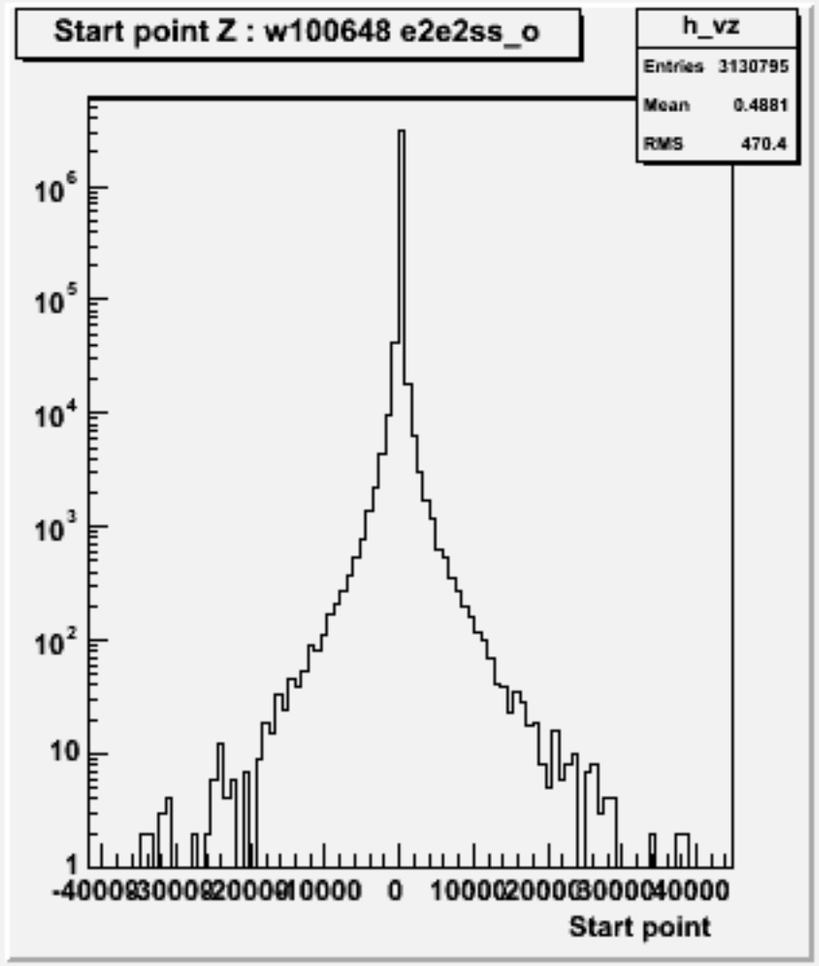

Particle ID : w100648 e2e2ss_o
h_id
Entries 3130795
Mean 13.77
RMS 533.1
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

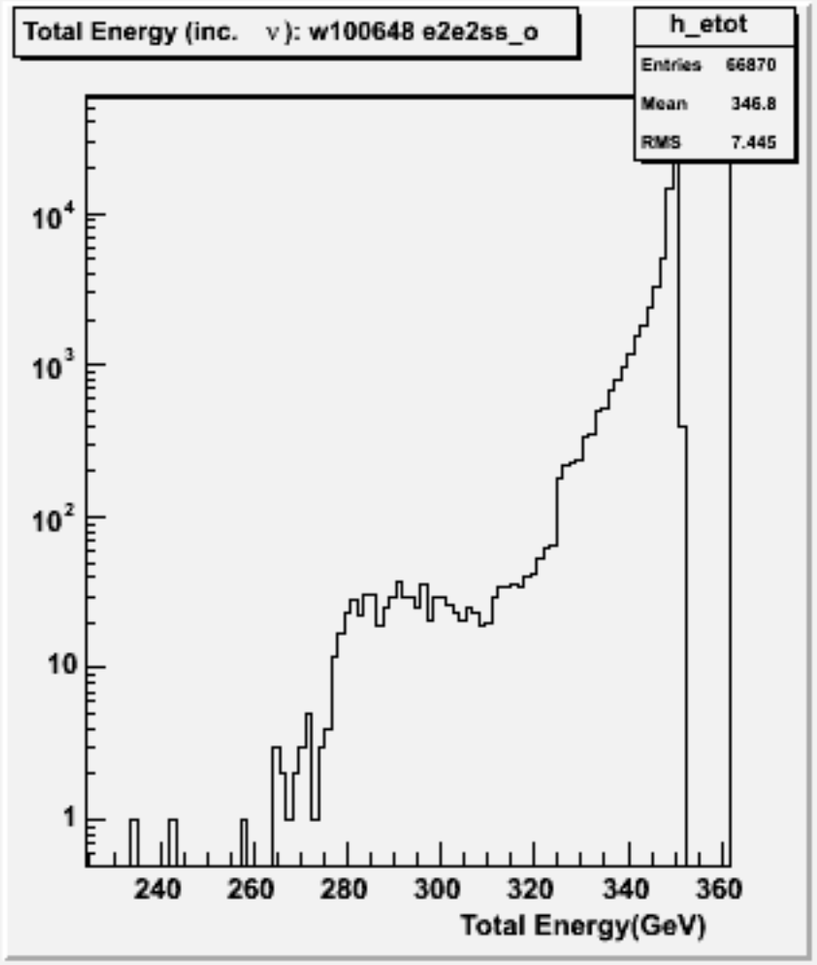

Particle Energy : w100648 e2e2ss_o
h_e
Entries 3130795
Mean 7.408
RMS 19.73
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

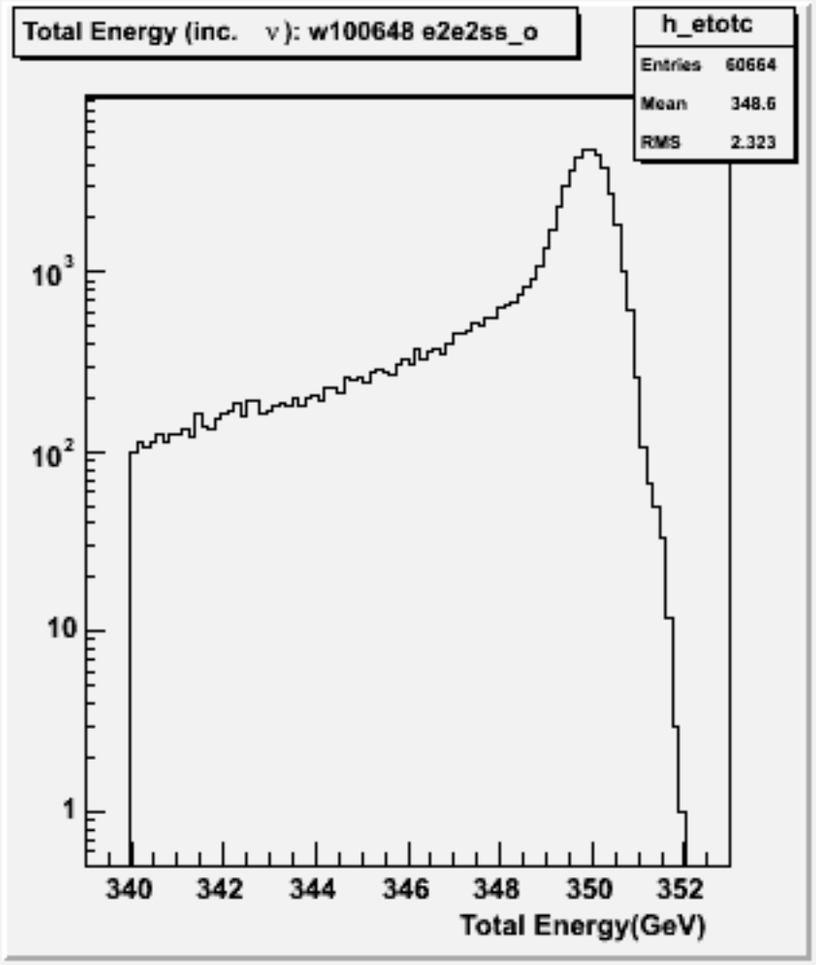

Particle Pt : w100648 e2e2ss_o
h_pt
Entries 3130795
Mean 3.513
RMS 10.4
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

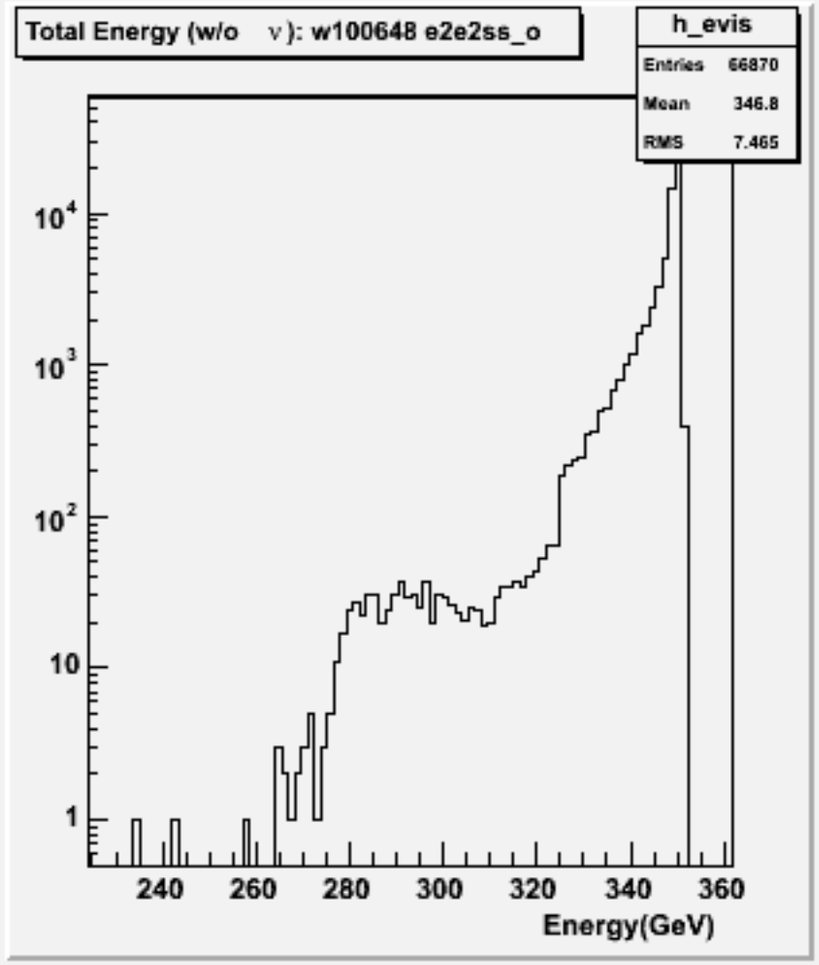

Particle cosθ : w100648 e2e2ss_o
h_cs
Entries 3130795
Mean 0.004339
RMS 0.7316
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

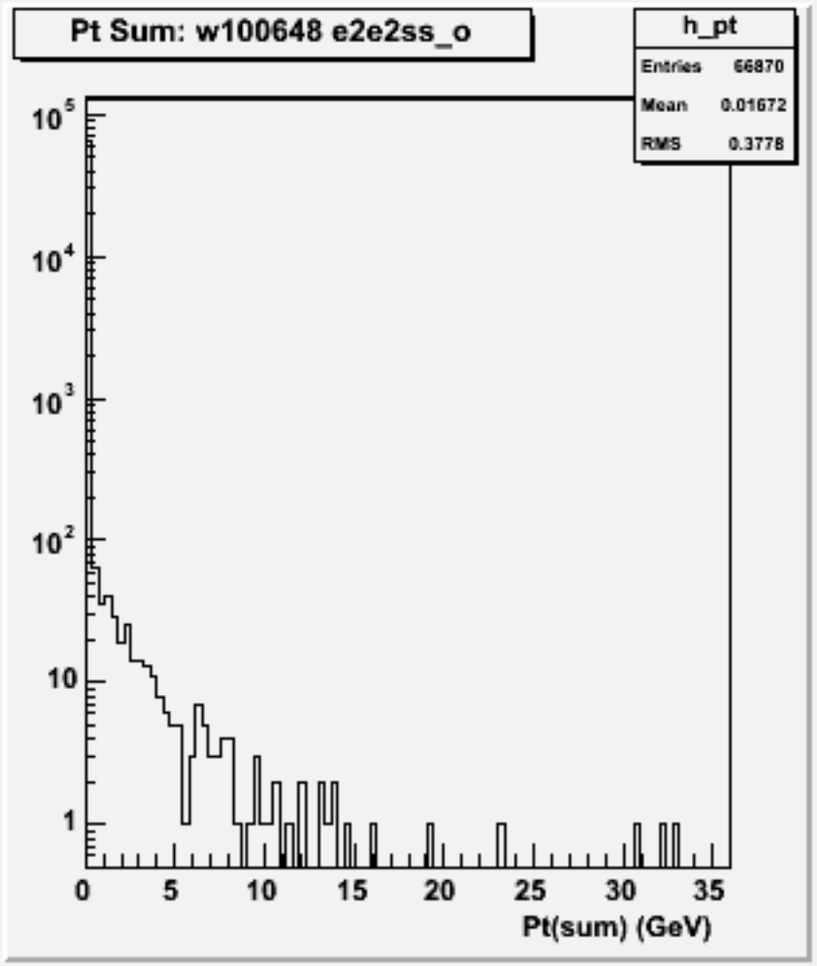

Start point R : w100648 e2e2ss_o
h_vr
Entries 3130795
Mean 44.81
RMS 335.4
10^6
10^5
10^4
10^3
10^2
10
1
0 10000 20000 30000 40000 50000 60000 70000
Start point Radius

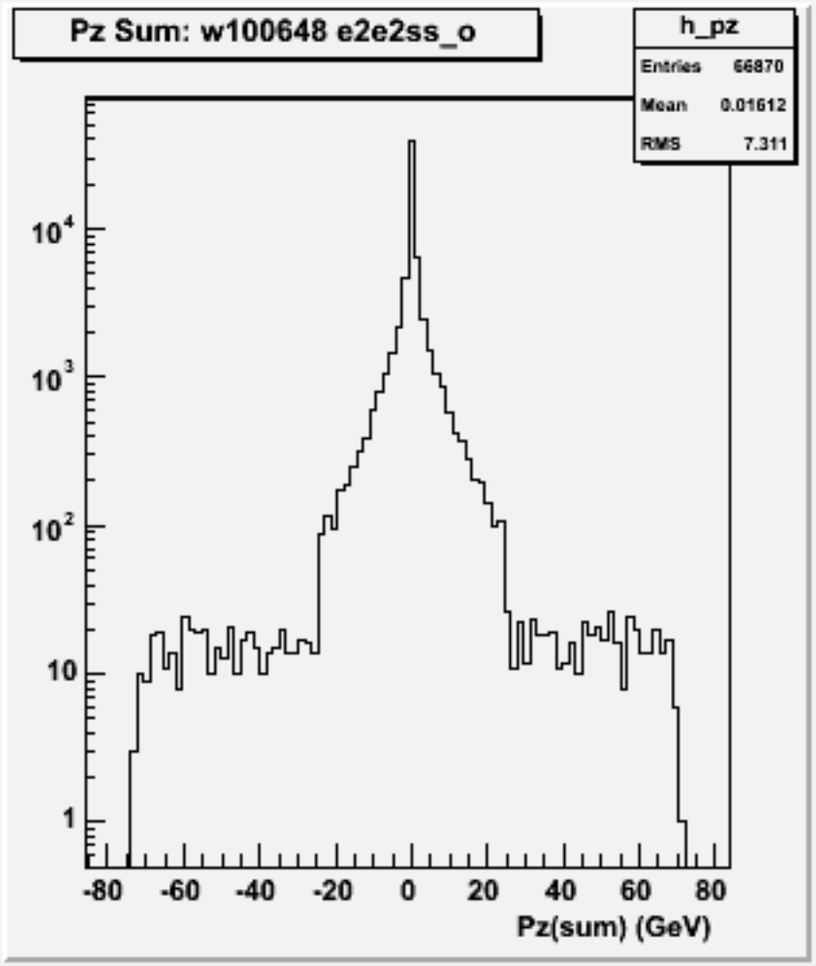

Start point Z : w100648 e2e2ss_o
h_vz
Entries 3130795
Mean 0.4881
RMS 470.4
10^6
10^5
10^4
10^3
10^2
10
1
-40000 -30000 -20000 -10000 0 10000 20000 30000 40000
Start point

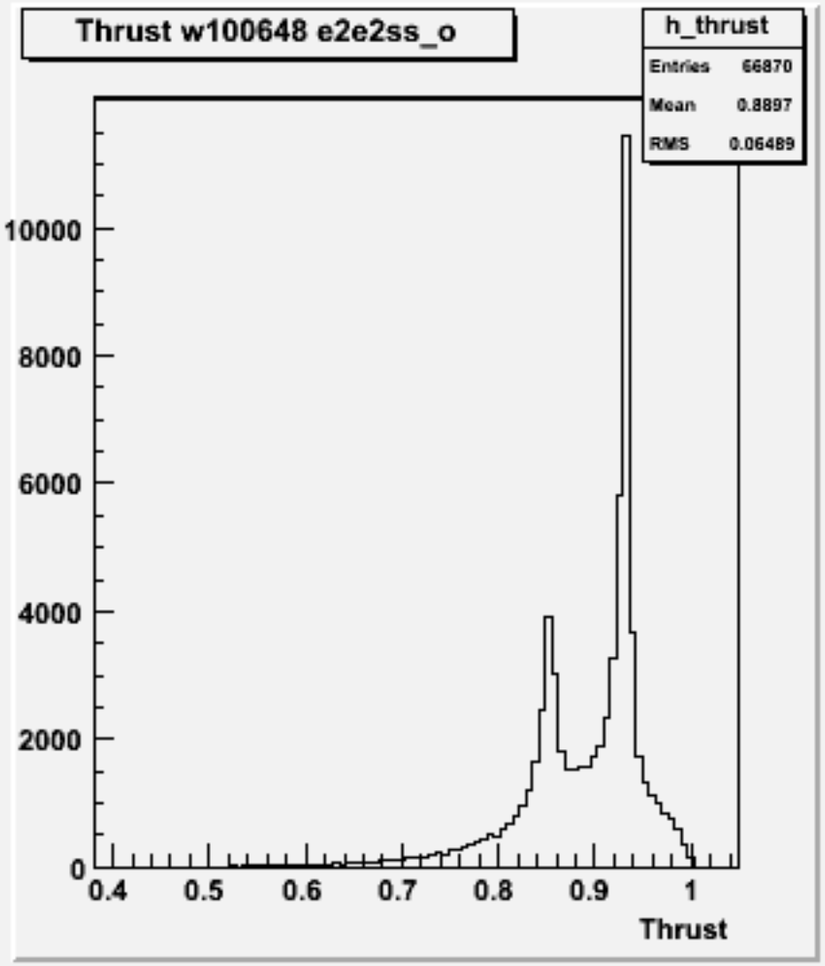

Total Energy (inc. ν): w100648 e2e2ss_o
h_etot
Entries 66870
Mean 346.8
RMS 7.445
Total Energy(GeV)

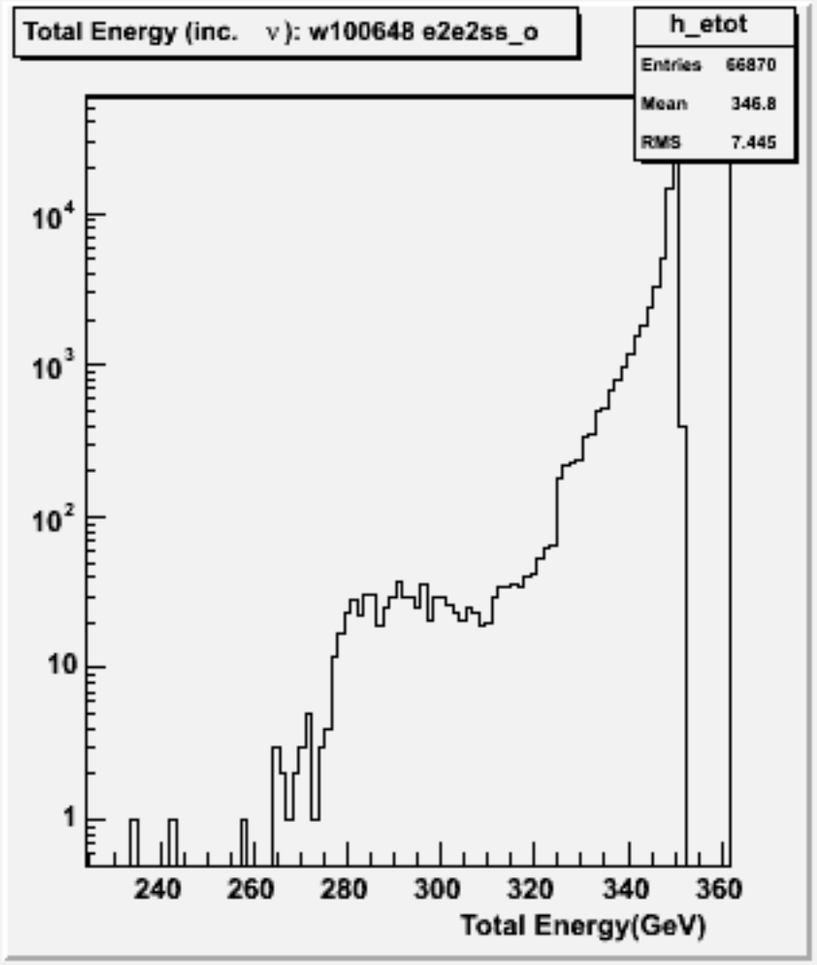

Total Energy (inc. ν): w100648 e2e2ss_o
h_etotc
Entries 60664
Mean 348.6
RMS 2.323
Total Energy(GeV)

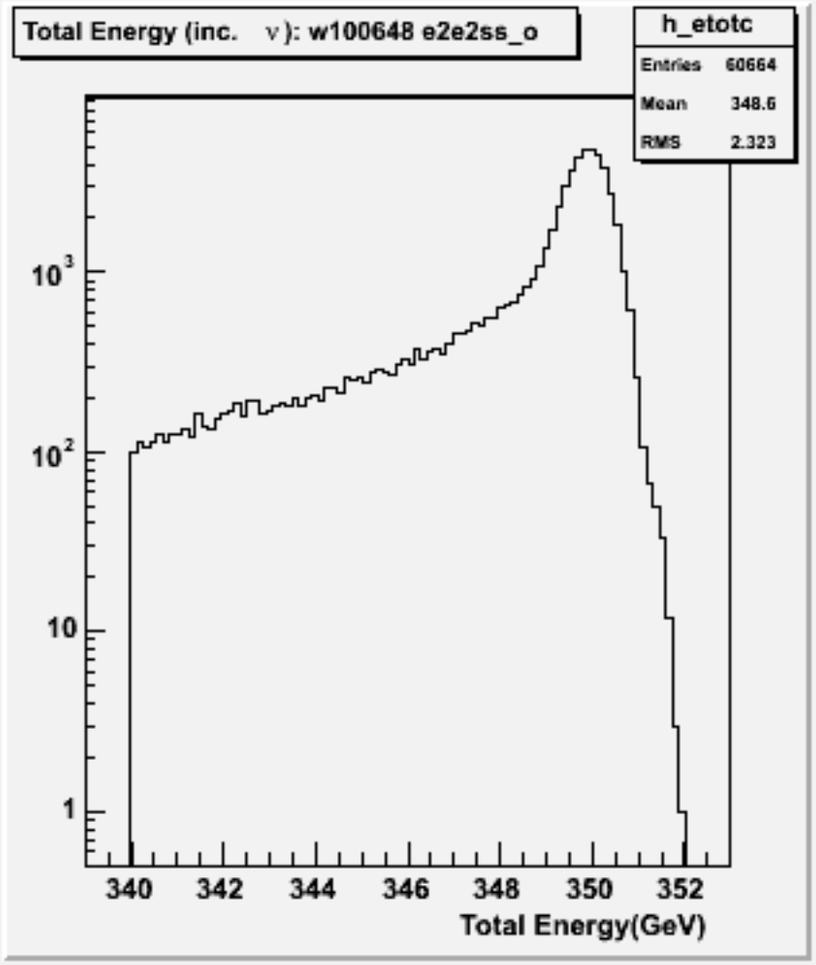

Total Energy (w/o ν): w100648 e2e2ss_o
h_evis
Entries 66870
Mean 346.8
RMS 7.465
Energy(GeV)

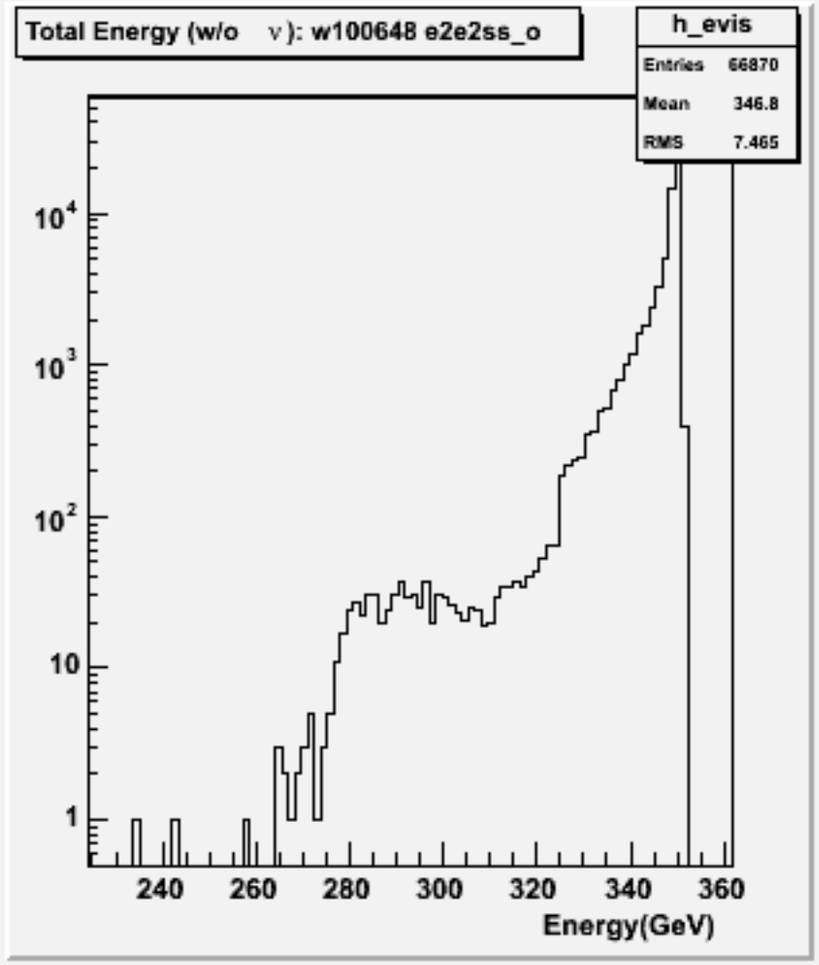

Pt Sum: w100648 e2e2ss_o
h_pt
Entries 66870
Mean 0.01672
RMS 0.3778
Pt(sum) (GeV)

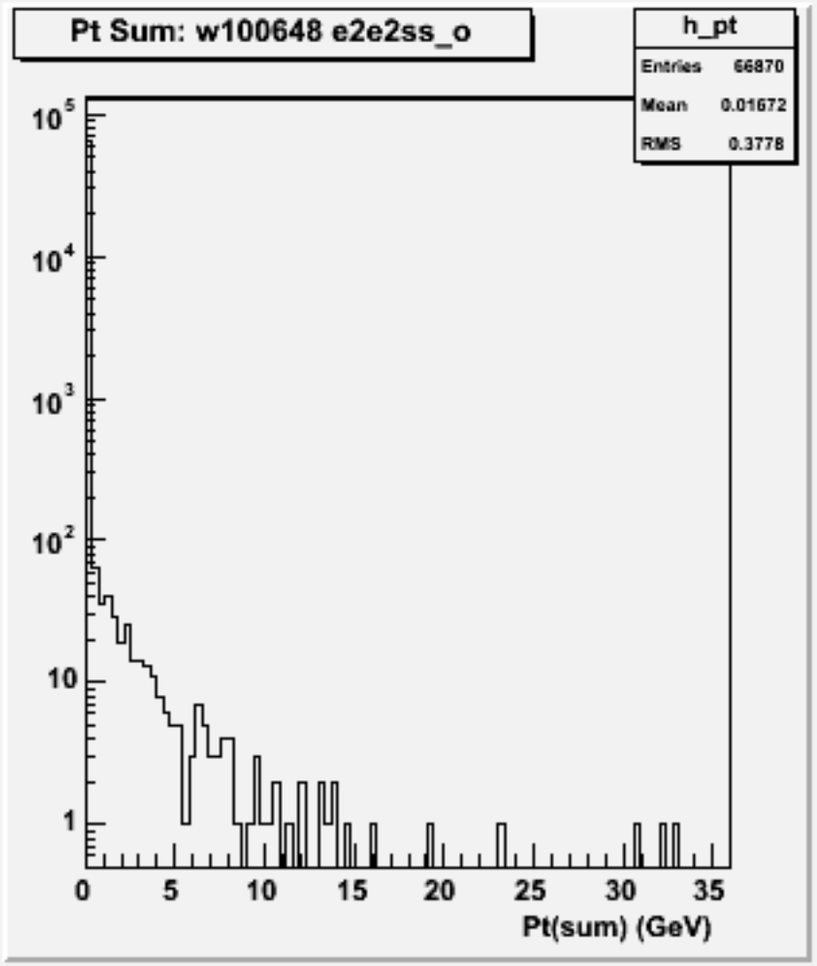

Pz Sum: w100648 e2e2ss_o
h_pz
Entries 66870
Mean 0.01612
RMS 7.311
Pz(sum) (GeV)

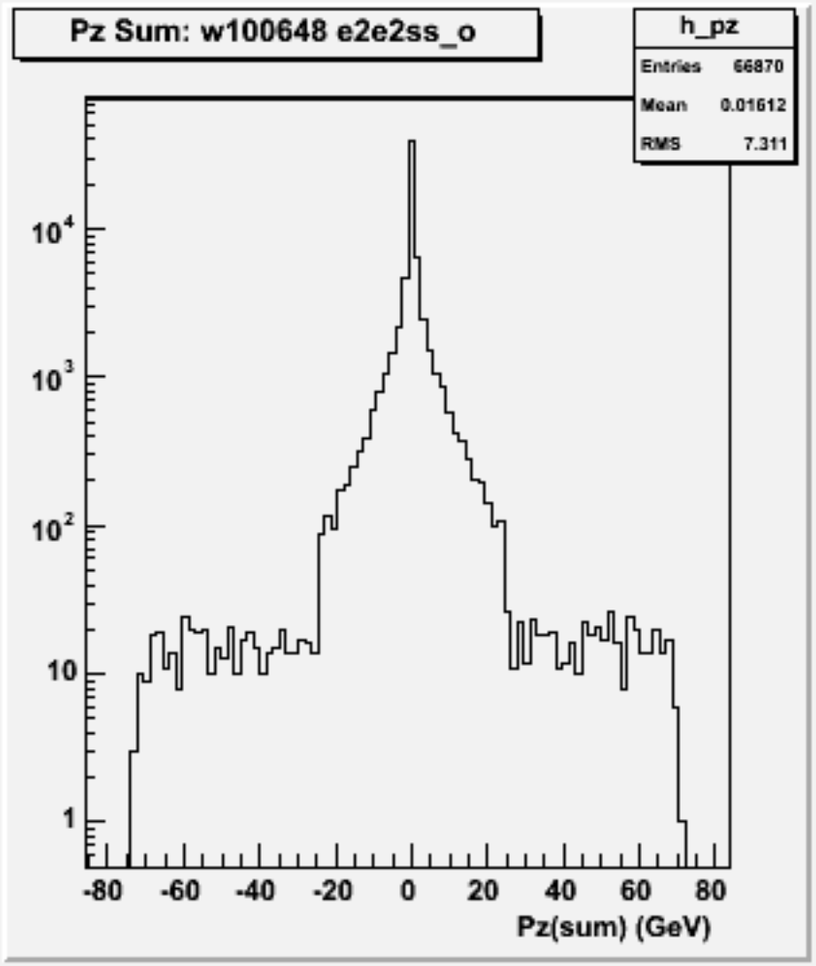

Thrust w100648 e2e2ss_o
h_thrust
Entries 66870
Mean 0.8897
RMS 0.06489
Thrust

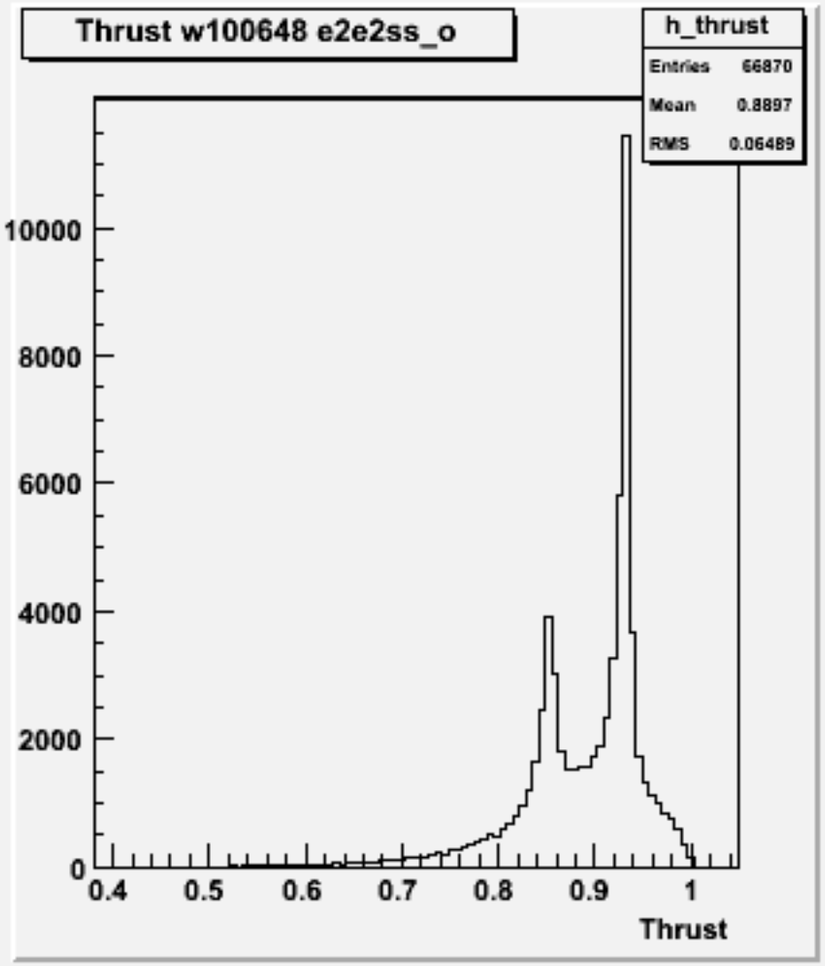

Total Energy (inc. ν): w100648 e2e2ss_o
h_etot
Entries 66870
Mean 346.8
RMS 7.445
Total Energy(GeV)

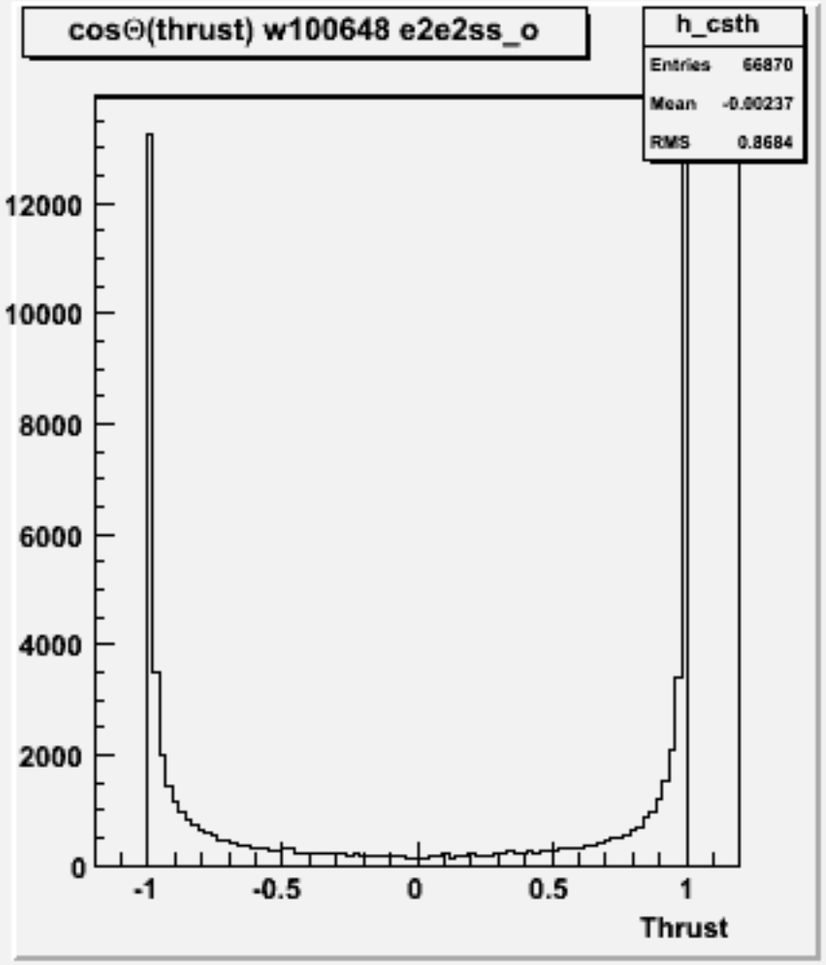

Total Energy (inc. ν): w100648 e2e2ss_o
h_etotc
Entries 60664
Mean 348.6
RMS 2.323
Total Energy(GeV)

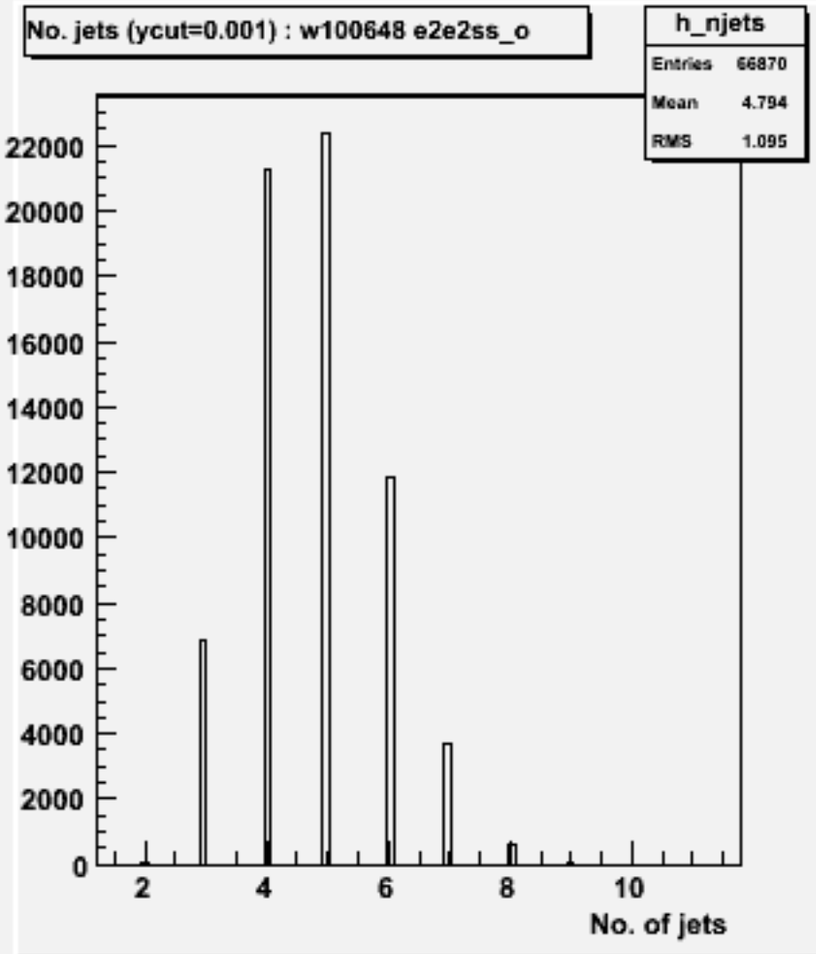

Total Energy (w/o ν): w100648 e2e2ss_o
h_evis
Entries 66870
Mean 346.8
RMS 7.465
Energy(GeV)

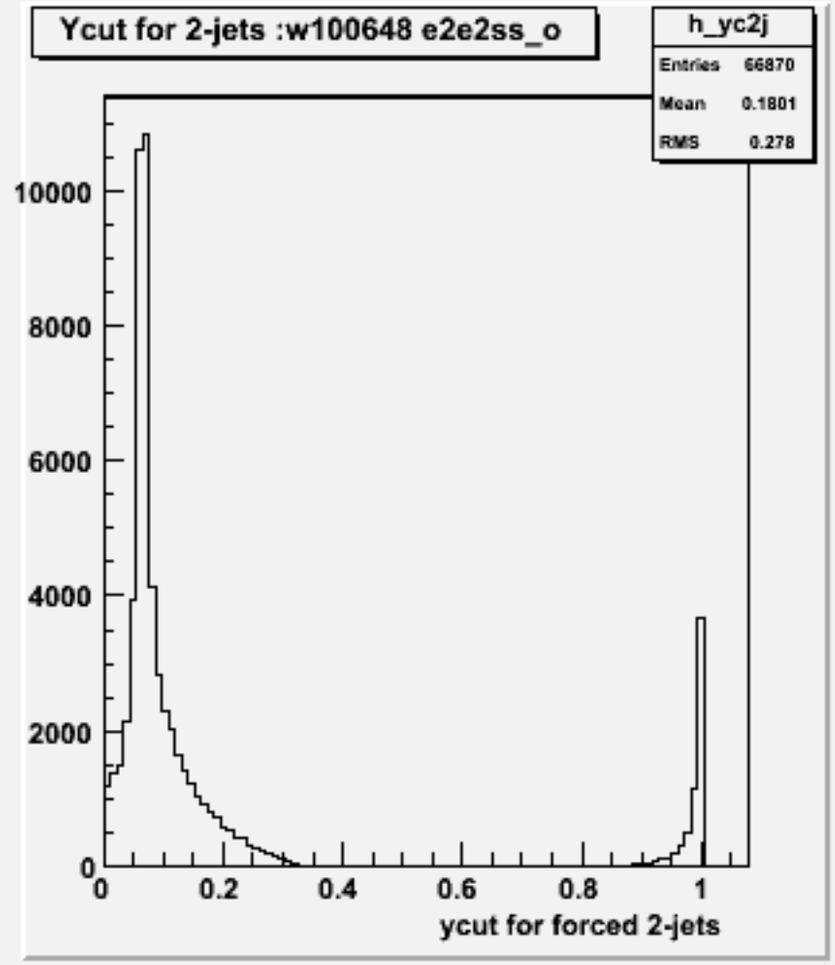

Pt Sum: w100648 e2e2ss_o
h_pt
Entries 66870
Mean 0.01672
RMS 0.3778
Pt(sum) (GeV)

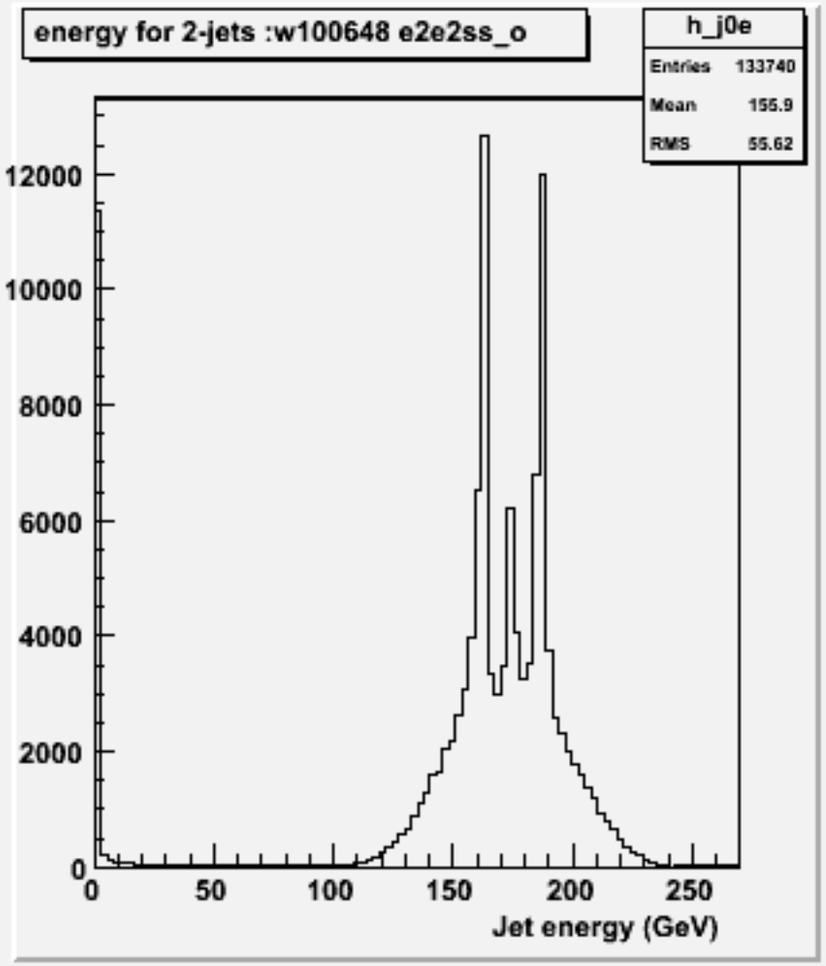

Pz Sum: w100648 e2e2ss_o
h_pz
Entries 66870
Mean 0.01612
RMS 7.311
Pz(sum) (GeV)

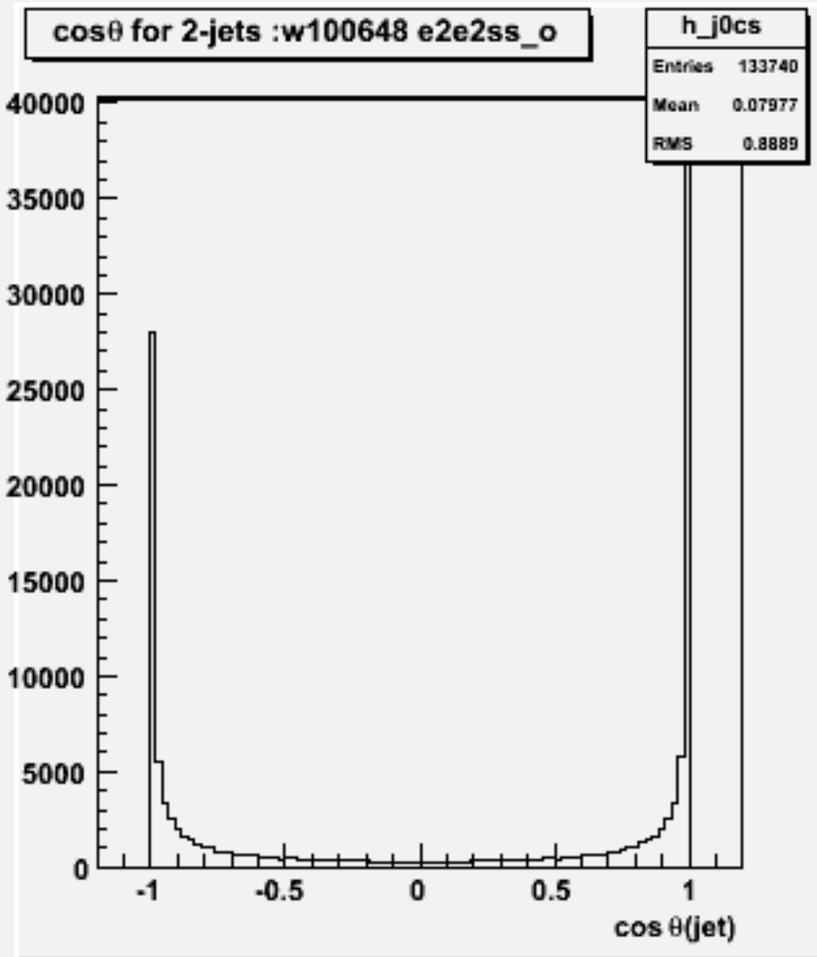

Thrust w100648 e2e2ss_o
h_thrust
Entries 66870
Mean 0.8897
RMS 0.06489
Thrust

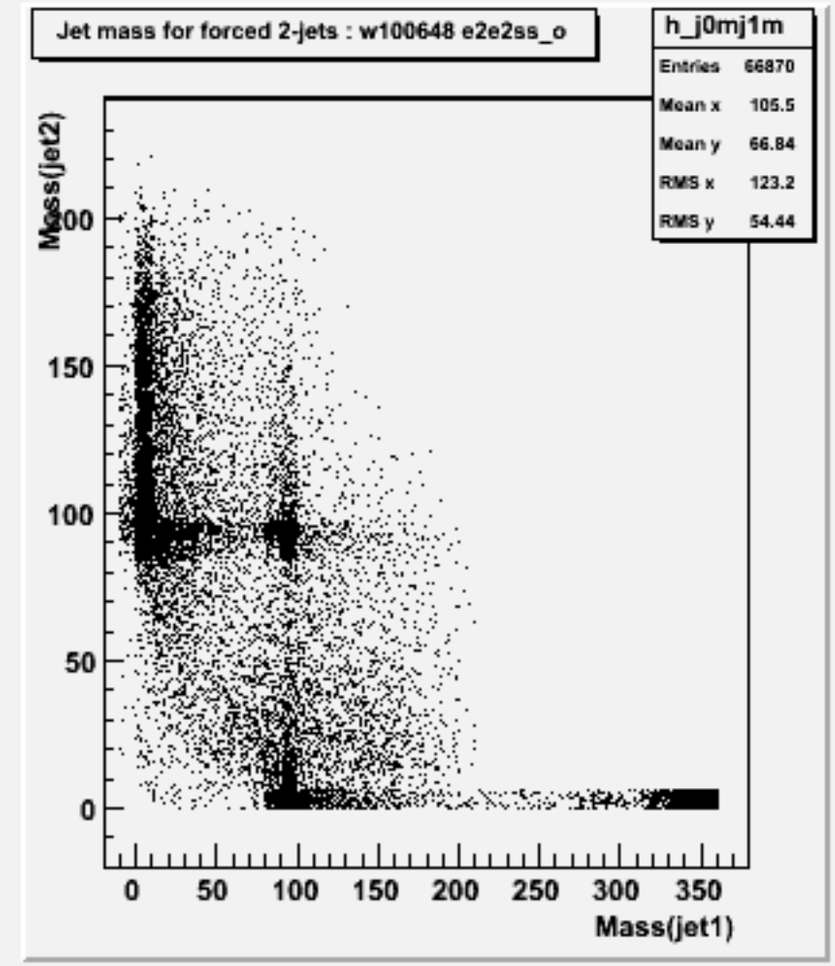

cosΘ(thrust) w100648 e2e2ss_o
h_csth
Entries 66870
Mean -0.00237
RMS 0.8684
12000
10000
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
Thrust

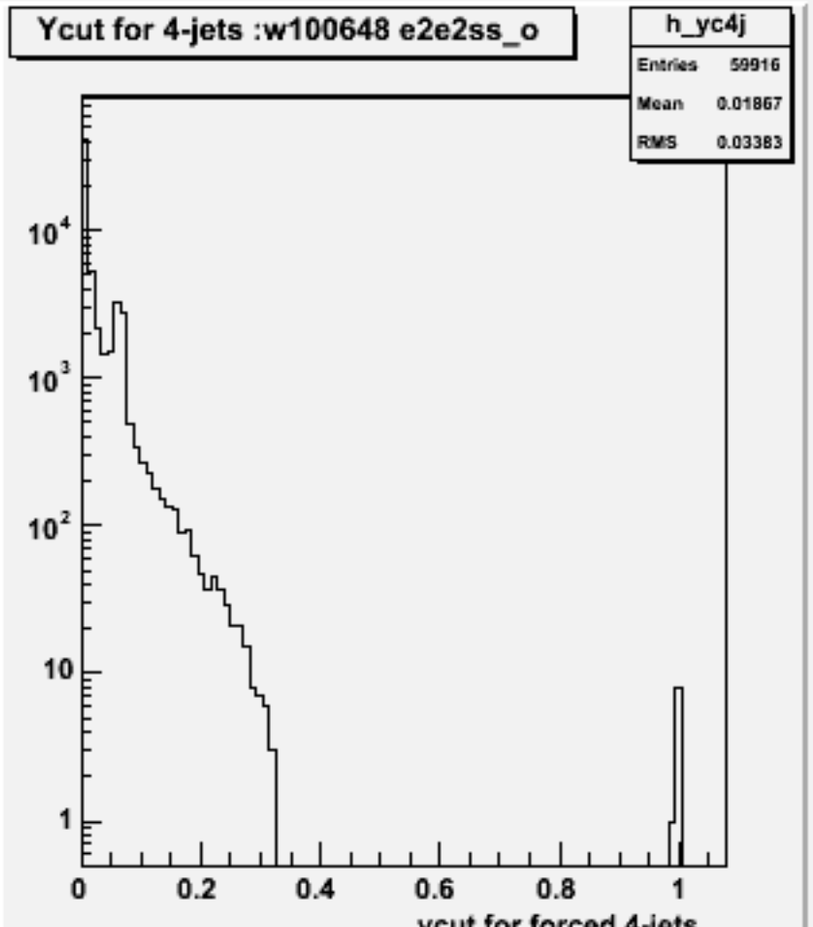

No. jets (ycut=0.001) : w100648 e2e2ss_o
h_njets
Entries 66870
Mean 4.794
RMS 1.095
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
2
4
6
8
10
No. of jets

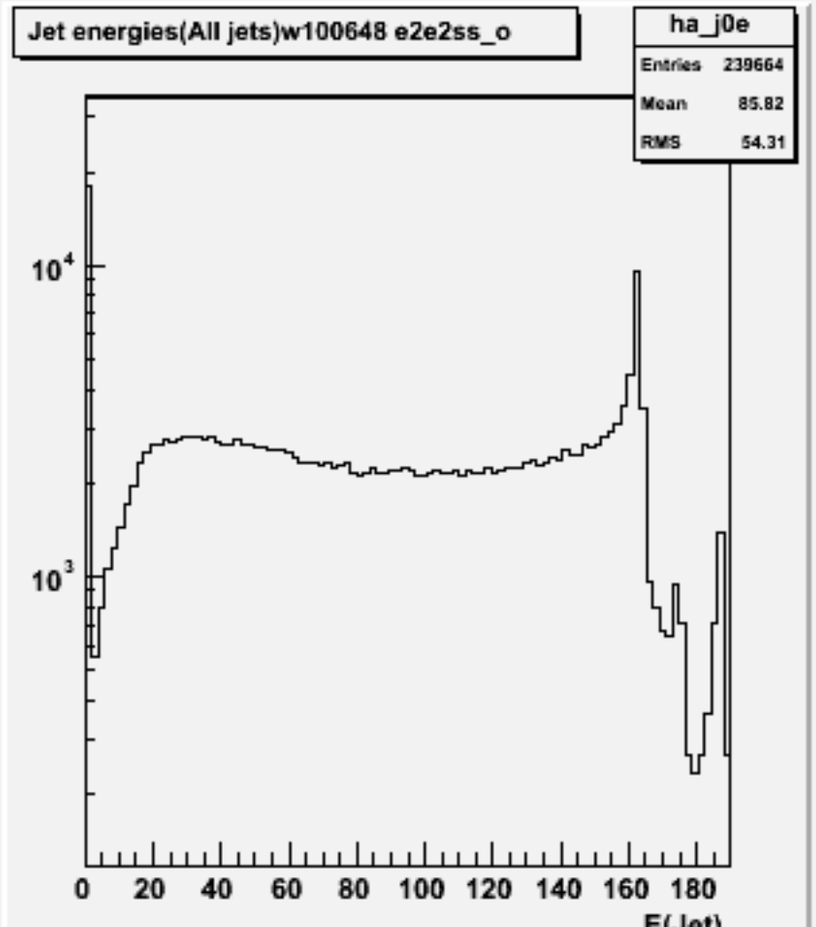

Ycut for 2-jets :w100648 e2e2ss_o
h_yc2j
Entries 66870
Mean 0.1801
RMS 0.278
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

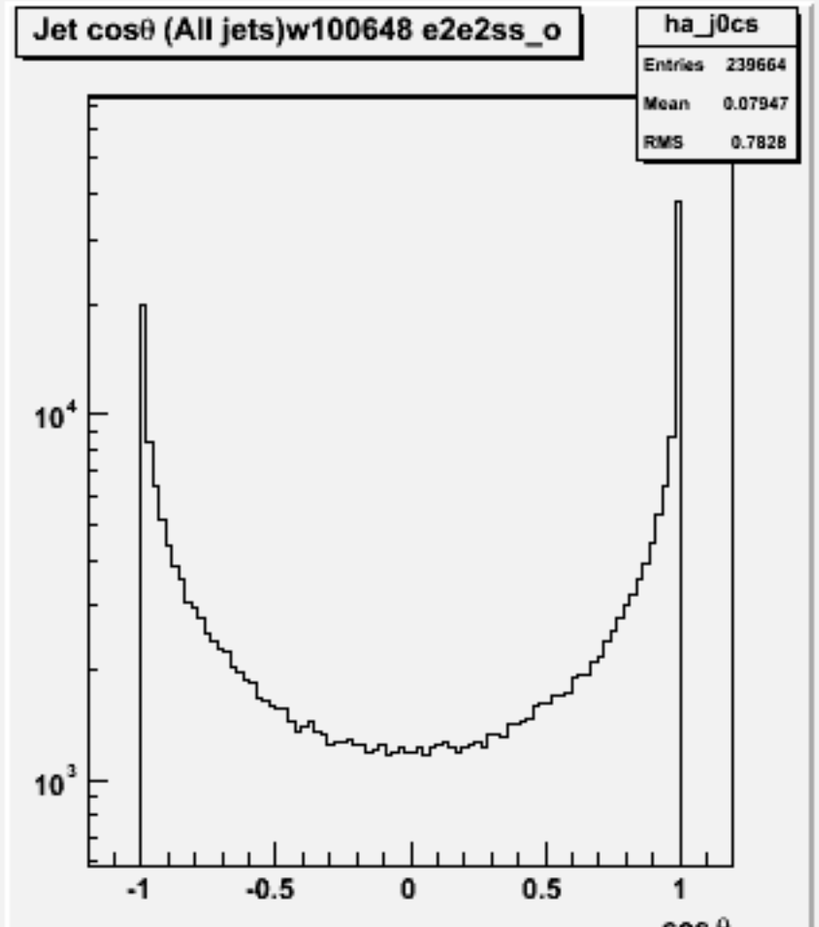

energy for 2-jets :w100648 e2e2ss_o
h_j0e
Entries 133740
Mean 155.9
RMS 55.62
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
250
Jet energy (GeV)

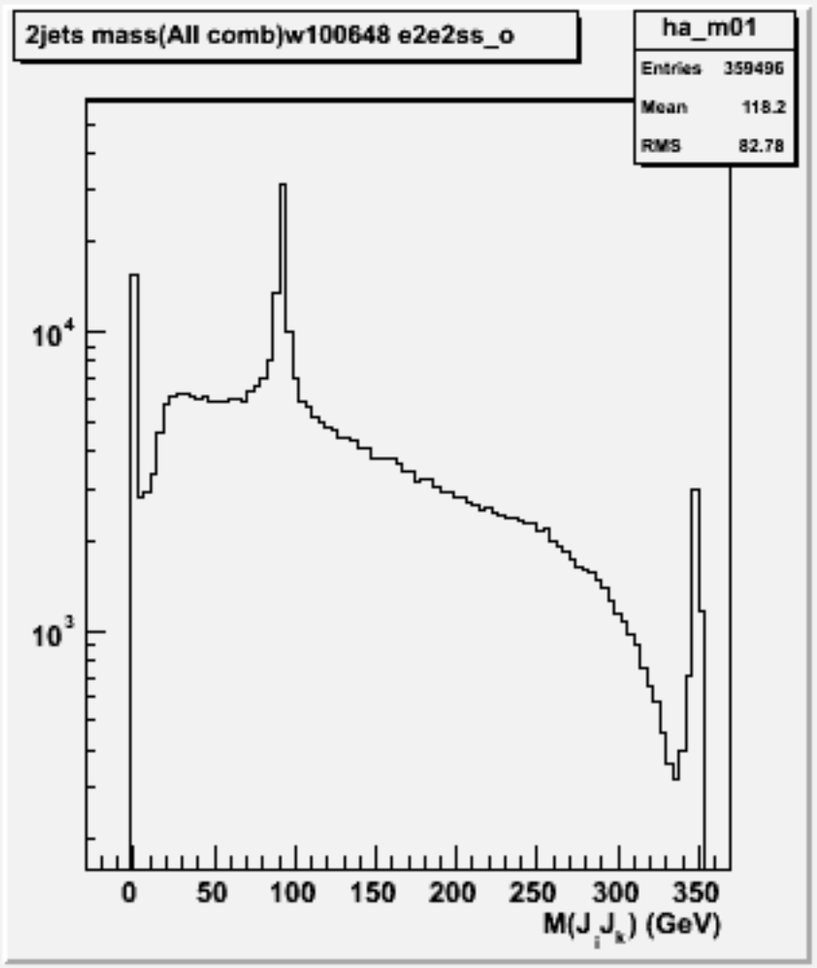

cosθ for 2-jets :w100648 e2e2ss_o
h_j0cs
Entries 133740
Mean 0.07977
RMS 0.8889
40000
35000
30000
25000
20000
15000
10000
5000
0
-1
-0.5
0
0.5
1
cos θ(jet)

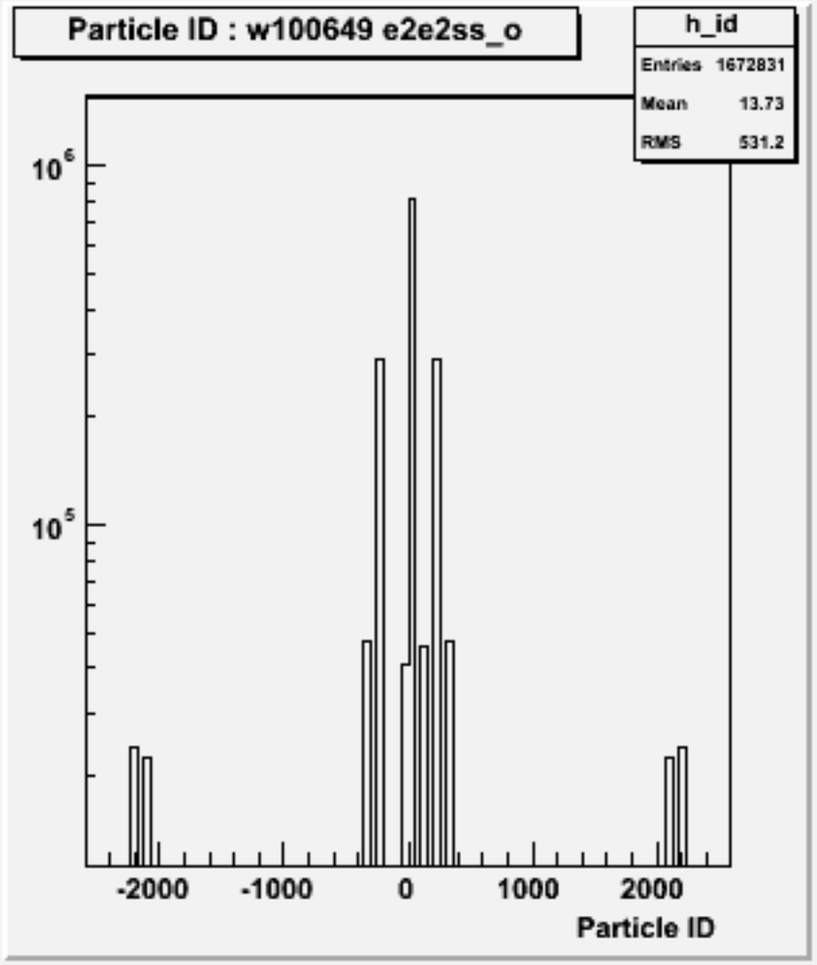

Jet mass for forced 2-jets : w100648 e2e2ss_o
h_j0mj1m
Entries 66870
Mean x 105.5
Mean y 66.84
RMS x 123.2
RMS y 54.44
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

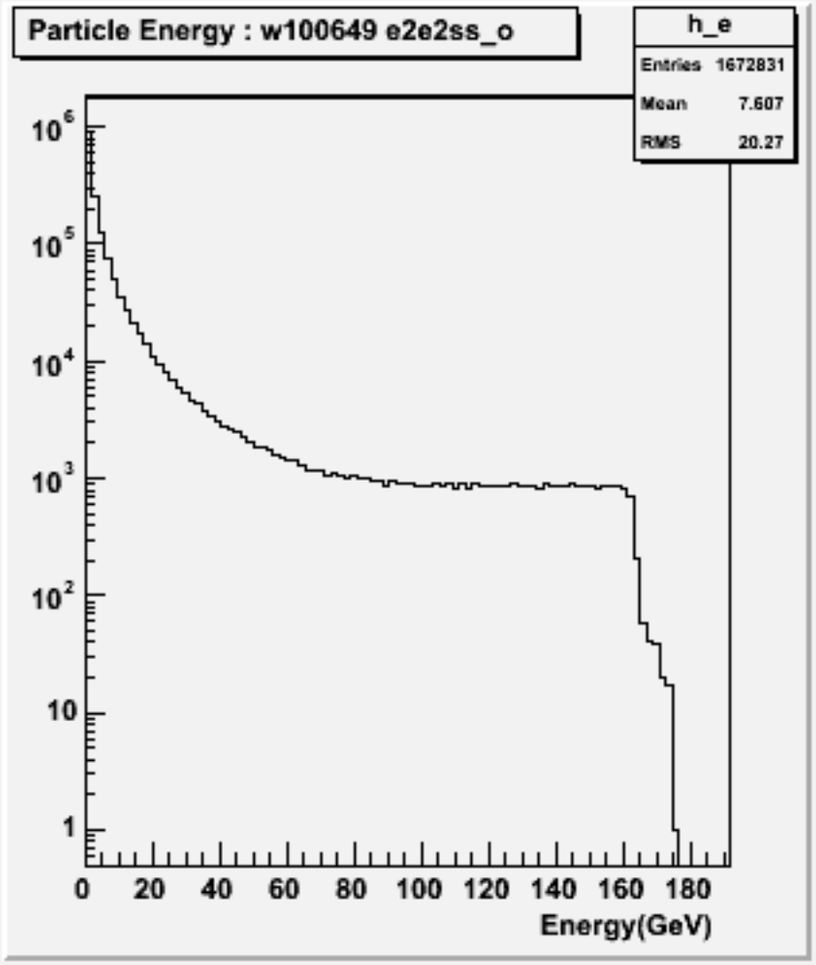

Ycut for 4-jets :w100648 e2e2ss_o
h_yc4j
Entries 59916
Mean 0.01867
RMS 0.03383
ycut for forced 4-jets

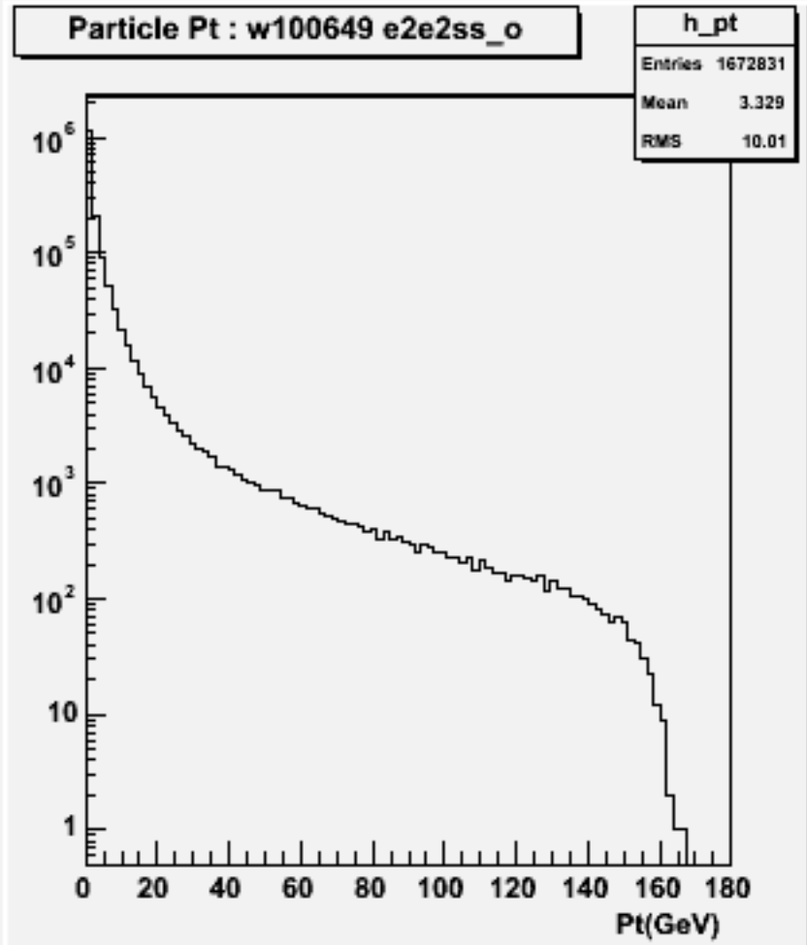

Jet energies(All jets)w100648 e2e2ss_o
ha_j0e
Entries 239664
Mean 85.82
RMS 54.31
E(Jet)

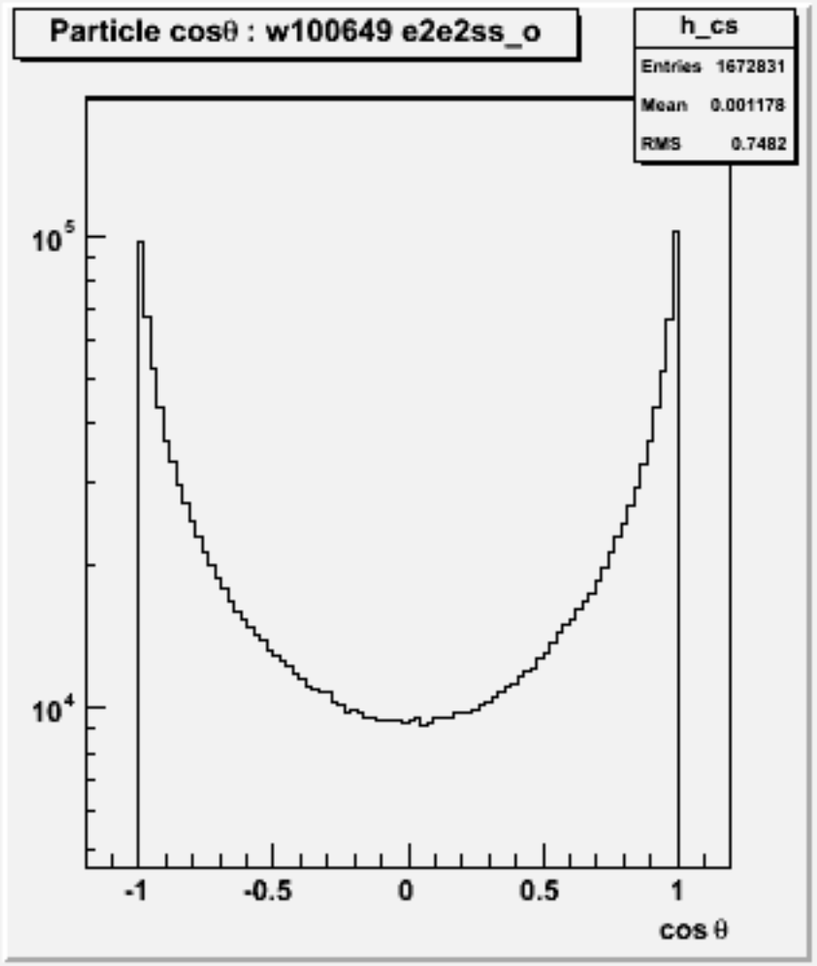

Jet cosθ (All jets)w100648 e2e2ss_o
ha_j0cs
Entries 239664
Mean 0.07947
RMS 0.7828
cos θ

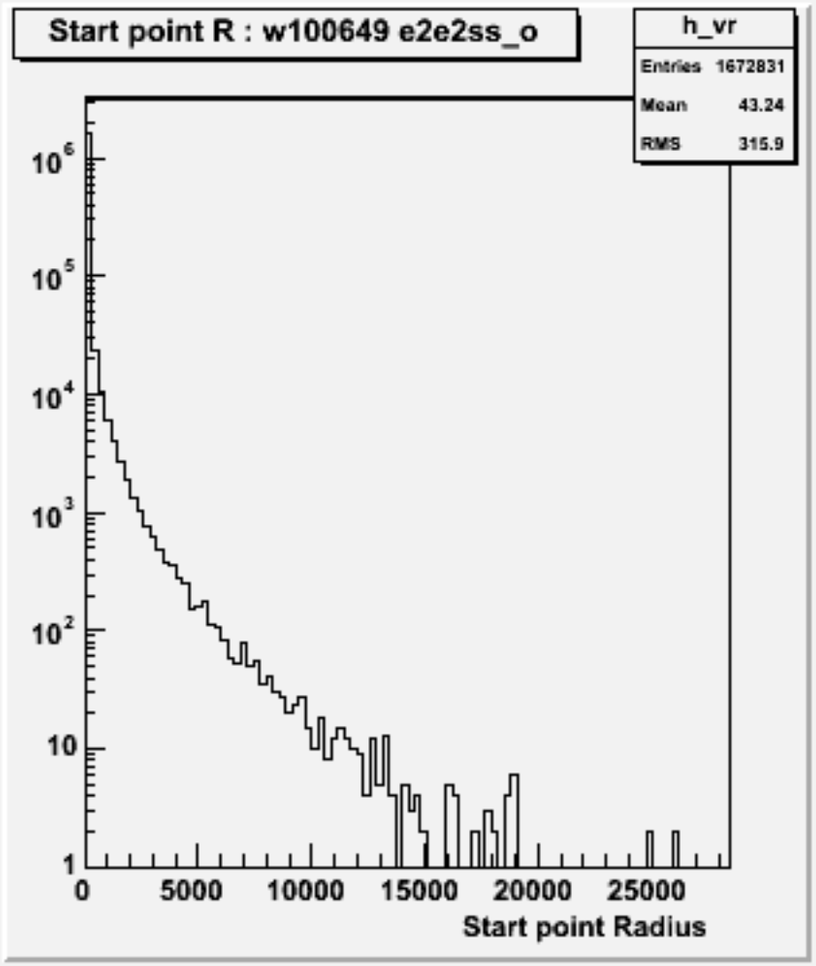

2jets mass(All comb)w100648 e2e2ss_o
ha_m01
Entries 359496
Mean 118.2
RMS 82.78
M(J_iJ_k) (GeV)

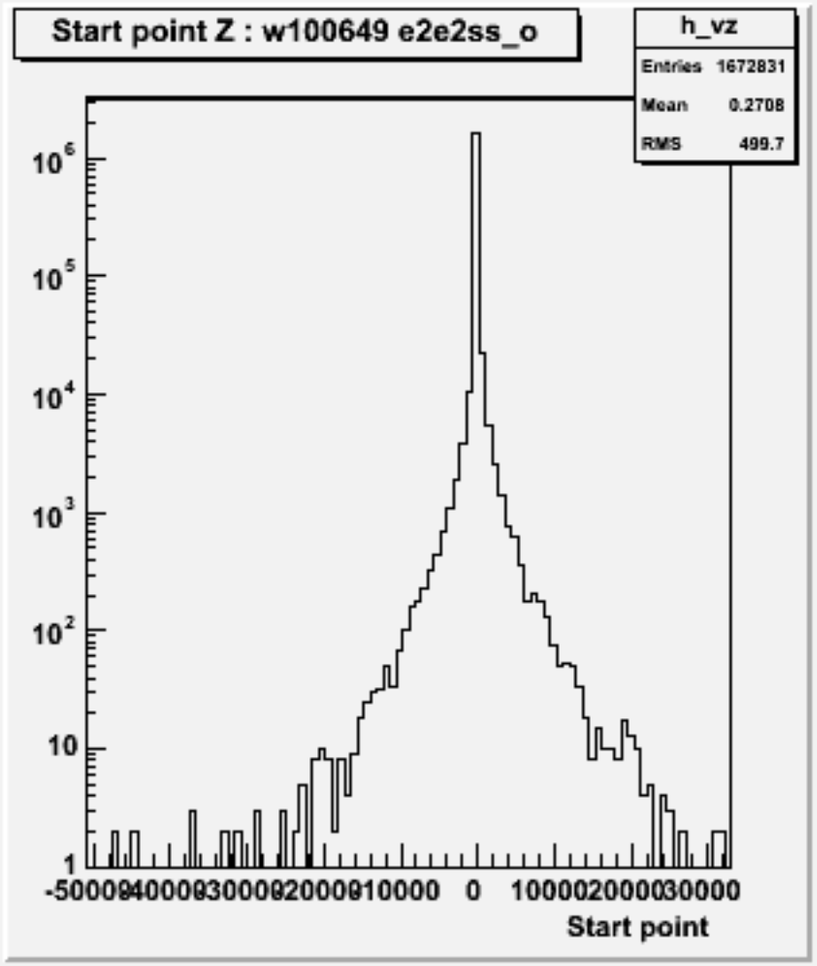

Particle ID : w100649 e2e2ss_o
h_id
Entries 1672831
Mean 13.73
RMS 531.2
Particle ID

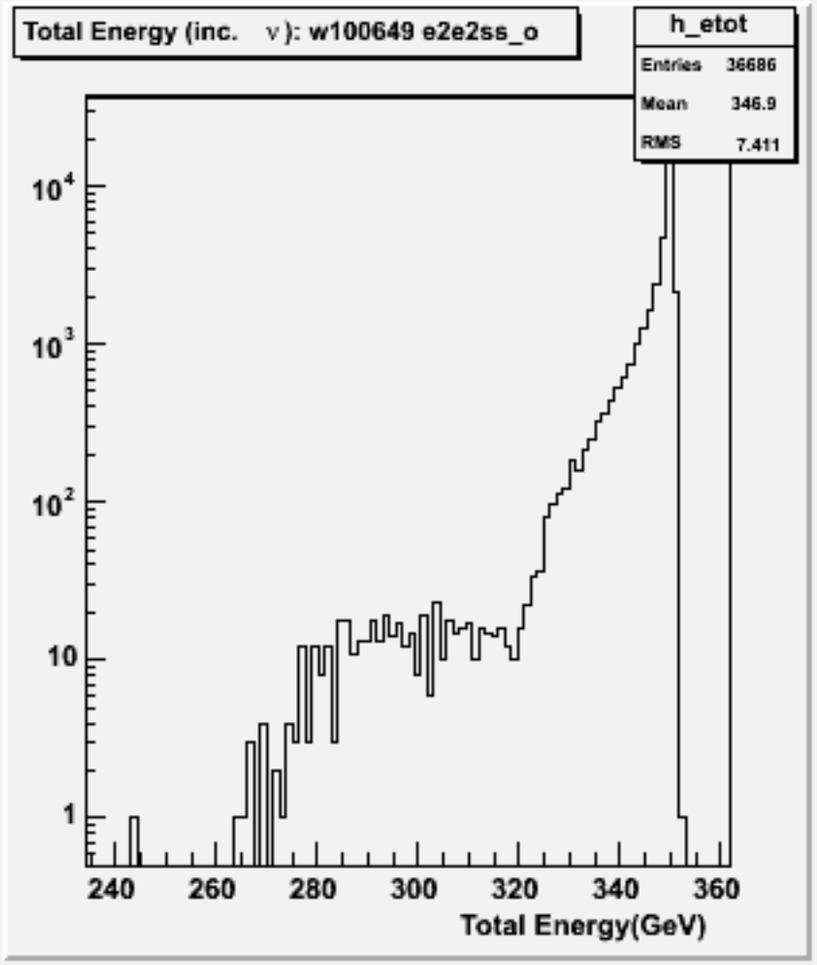

Particle Energy : w100649 e2e2ss_o
h_e
Entries 1672831
Mean 7.607
RMS 20.27
Energy(GeV)

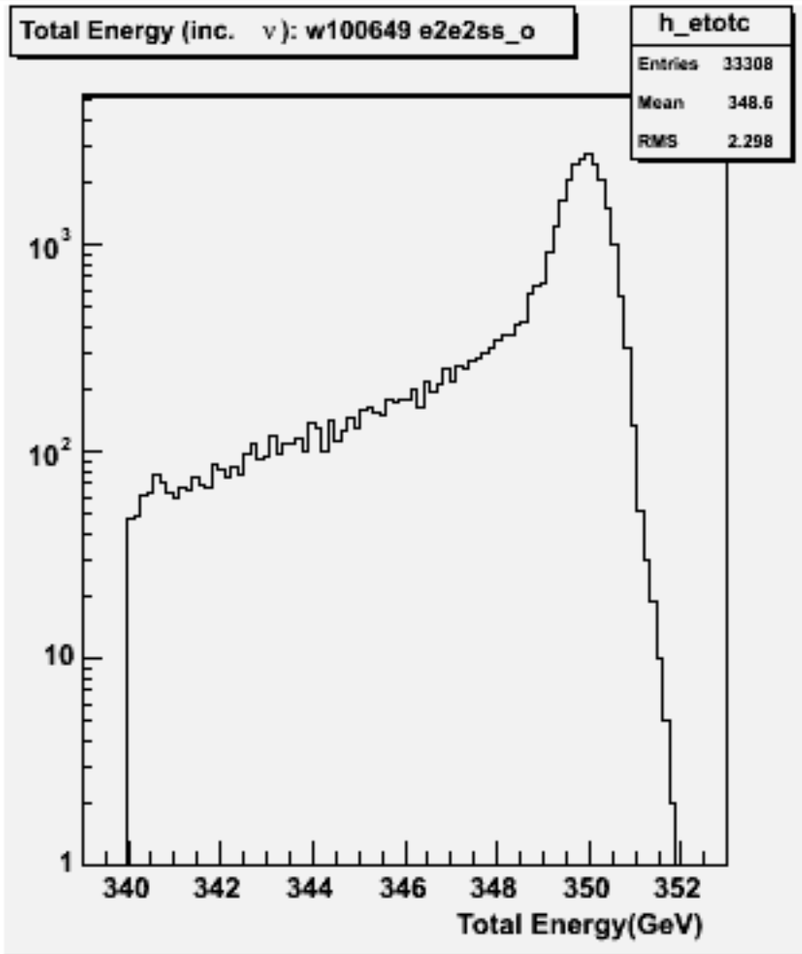

Particle Pt : w100649 e2e2ss_o
h_pt
Entries 1672831
Mean 3.329
RMS 10.01
Pt(GeV)

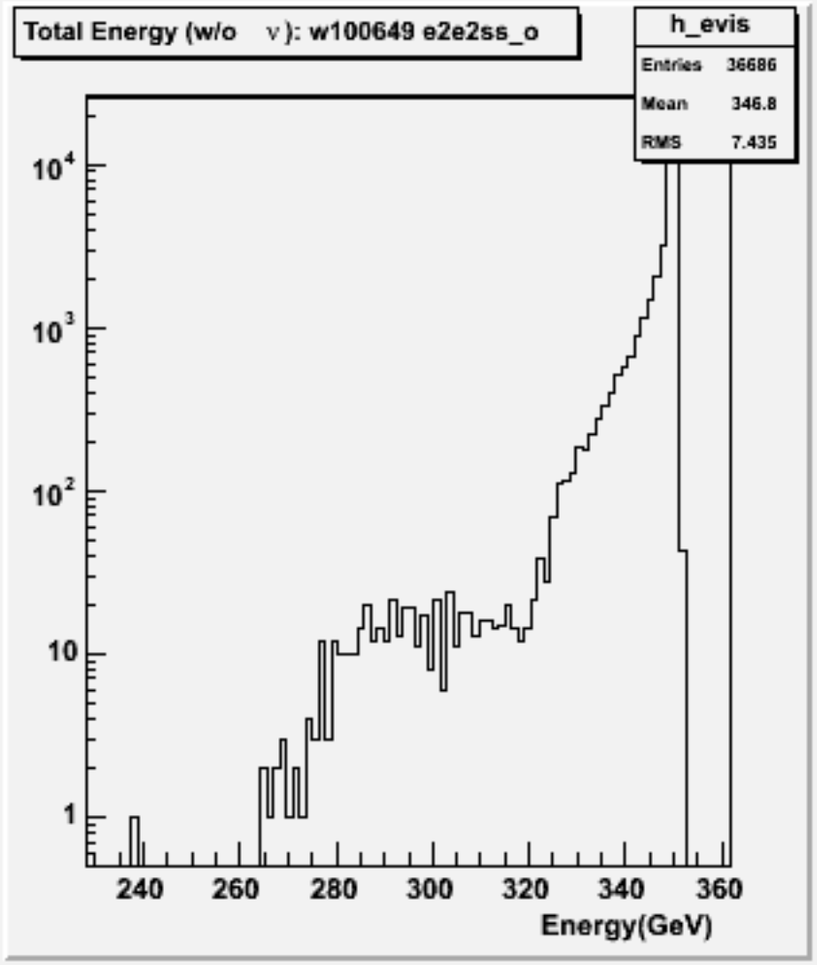

Particle cosθ : w100649 e2e2ss_o
h_cs
Entries 1672831
Mean 0.001178
RMS 0.7482
cos θ

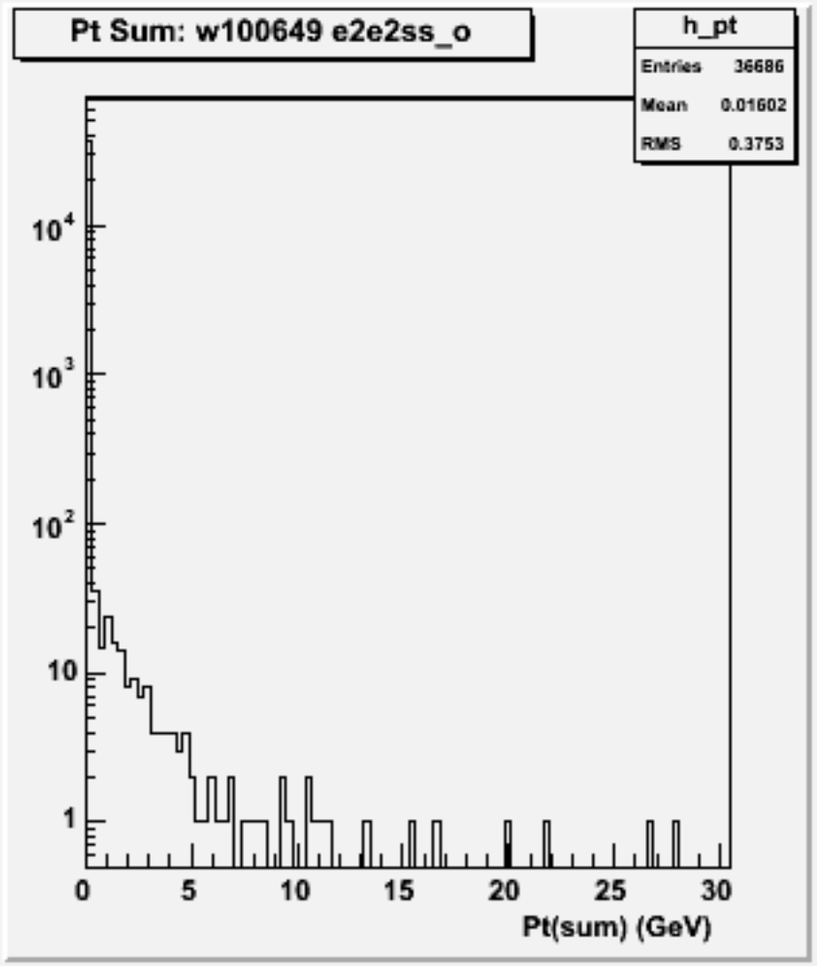

Start point R : w100649 e2e2ss_o
h_vr
Entries 1672831
Mean 43.24
RMS 315.9
Start point Radius

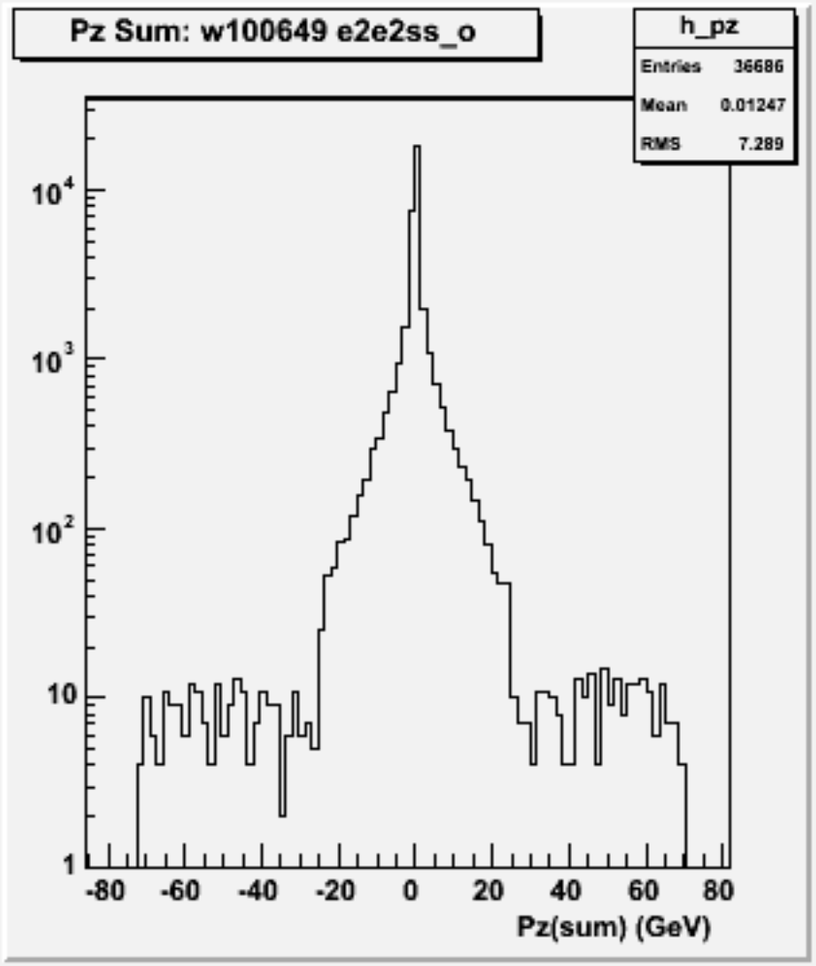

Start point Z : w100649 e2e2ss_o
h_vz
Entries 1672831
Mean 0.2708
RMS 499.7
Start point

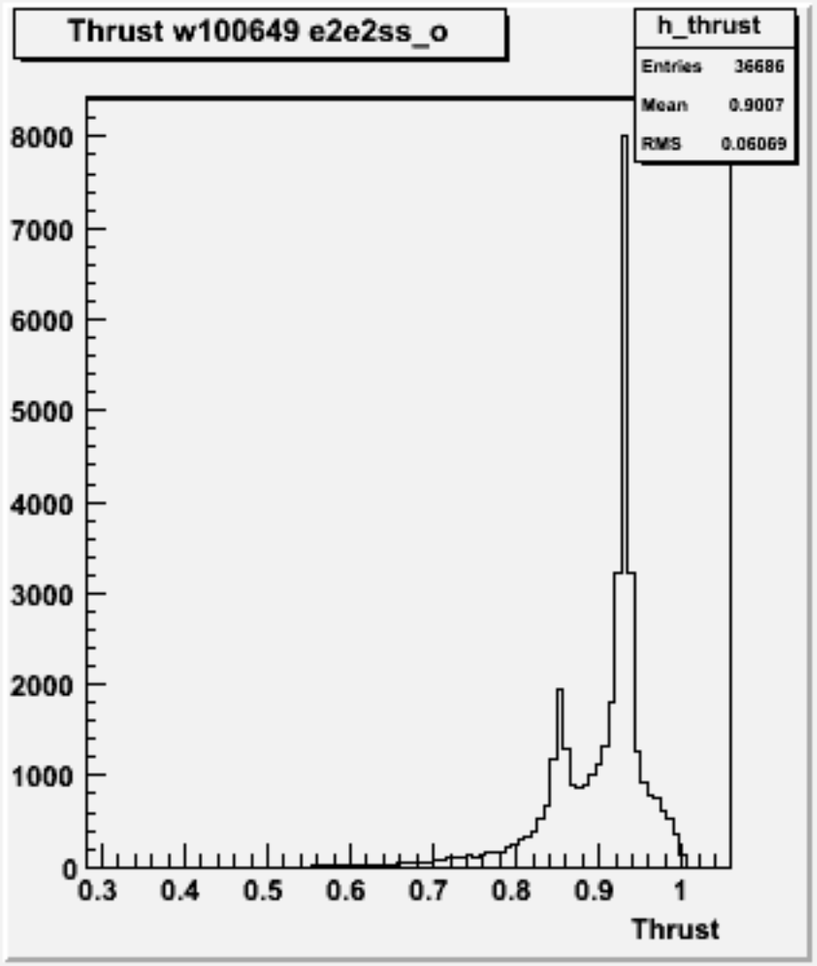

Total Energy (inc. ν): w100649 e2e2ss_o
h_etot
Entries 36686
Mean 346.9
RMS 7.411
Total Energy(GeV)

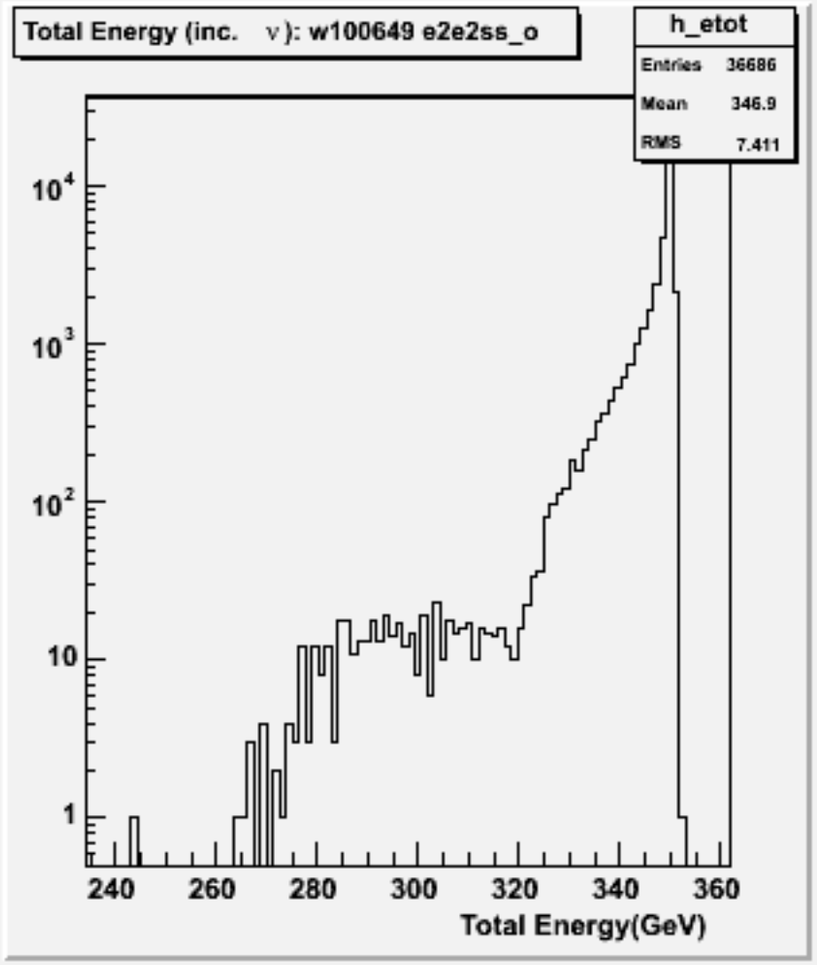

Total Energy (inc. ν): w100649 e2e2ss_o
h_etotc
Entries 33308
Mean 348.6
RMS 2.298
Total Energy(GeV)

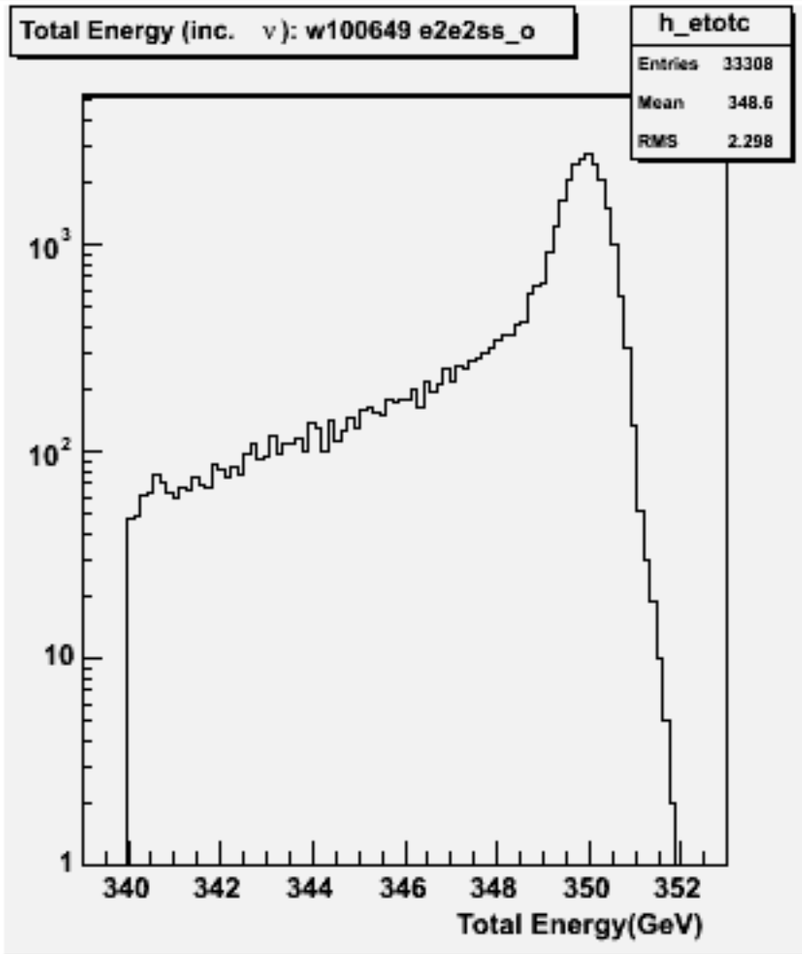

Total Energy (w/o ν): w100649 e2e2ss_o
h_evis
Entries 36686
Mean 346.8
RMS 7.435
Energy(GeV)

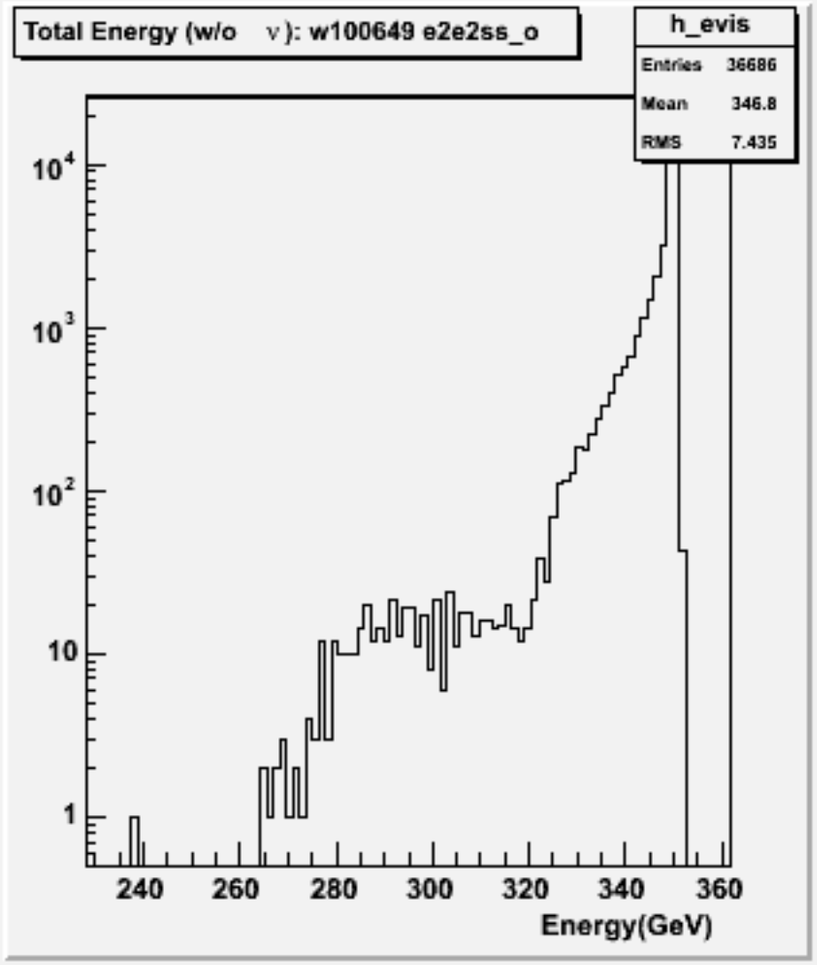

Pt Sum: w100649 e2e2ss_o
h_pt
Entries 36686
Mean 0.01602
RMS 0.3753
Pt(sum) (GeV)

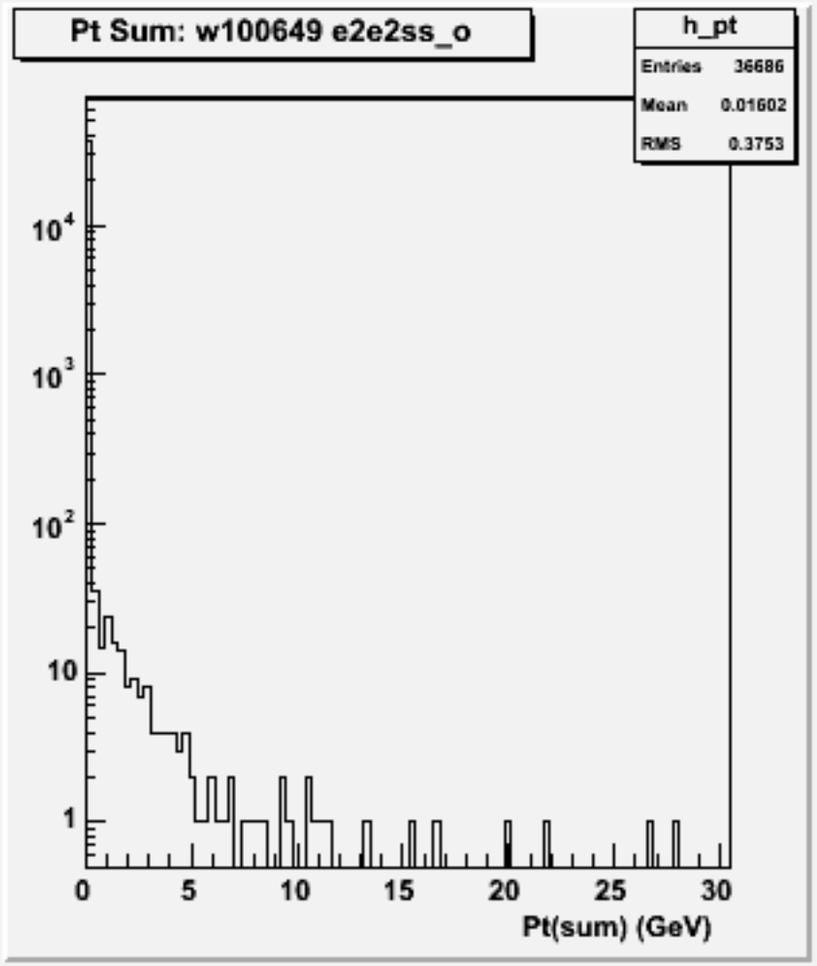

Pz Sum: w100649 e2e2ss_o
h_pz
Entries 36686
Mean 0.01247
RMS 7.289
Pz(sum) (GeV)

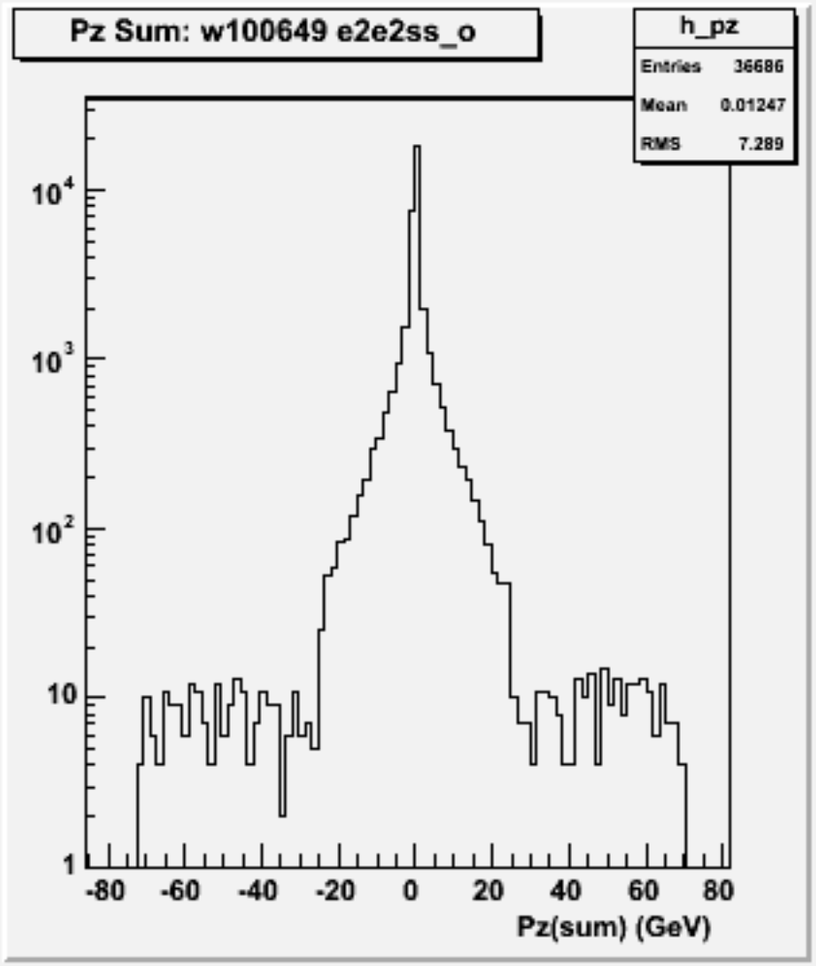

Thrust w100649 e2e2ss_o
h_thrust
Entries 36686
Mean 0.9007
RMS 0.06069
Thrust

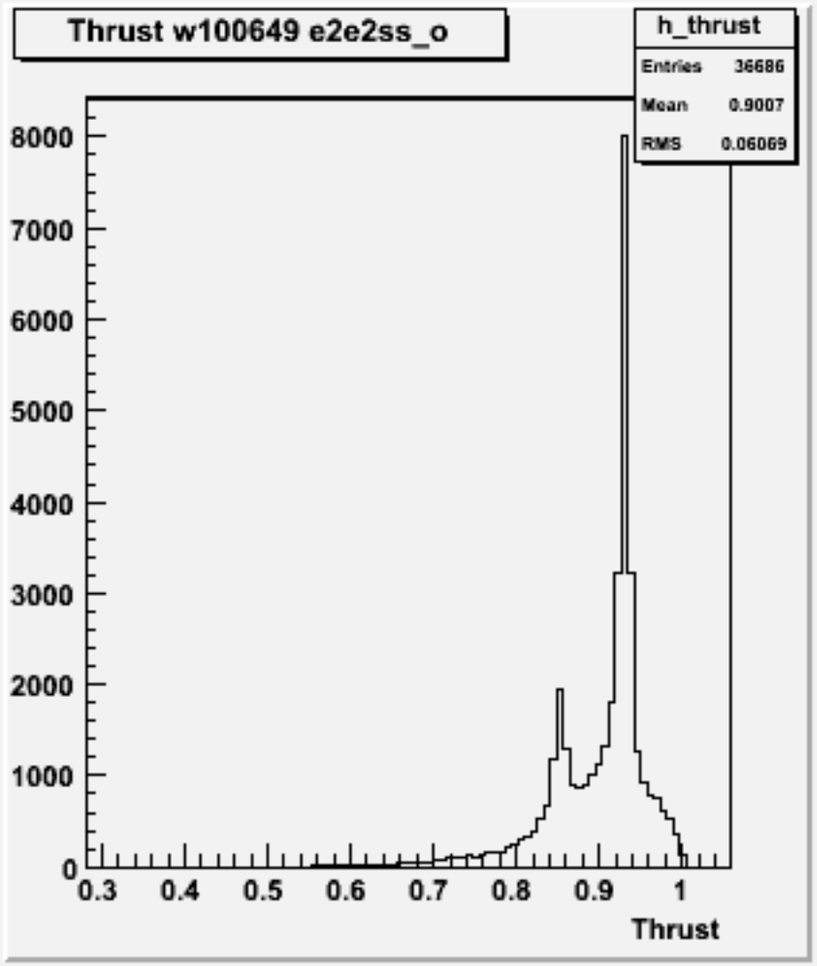

Total Energy (inc. ν): w100649 e2e2ss_o
h_etot
Entries 36686
Mean 346.9
RMS 7.411
Total Energy(GeV)

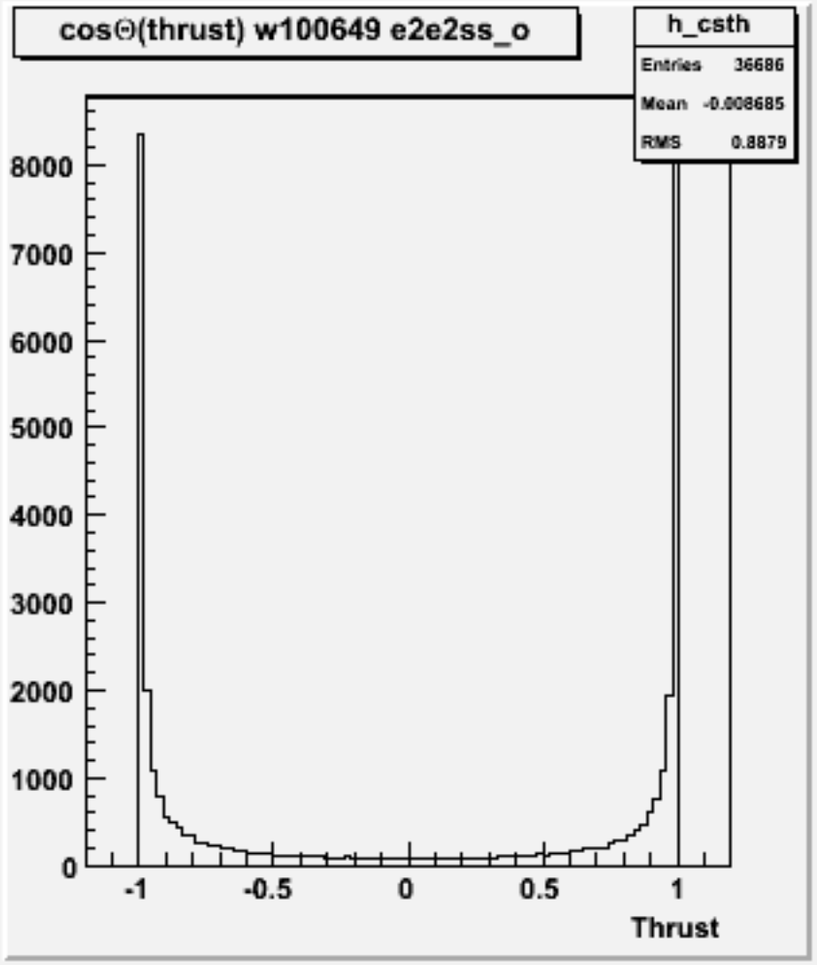

Total Energy (inc. ν): w100649 e2e2ss_o
h_etotc
Entries 33308
Mean 348.6
RMS 2.298
Total Energy(GeV)

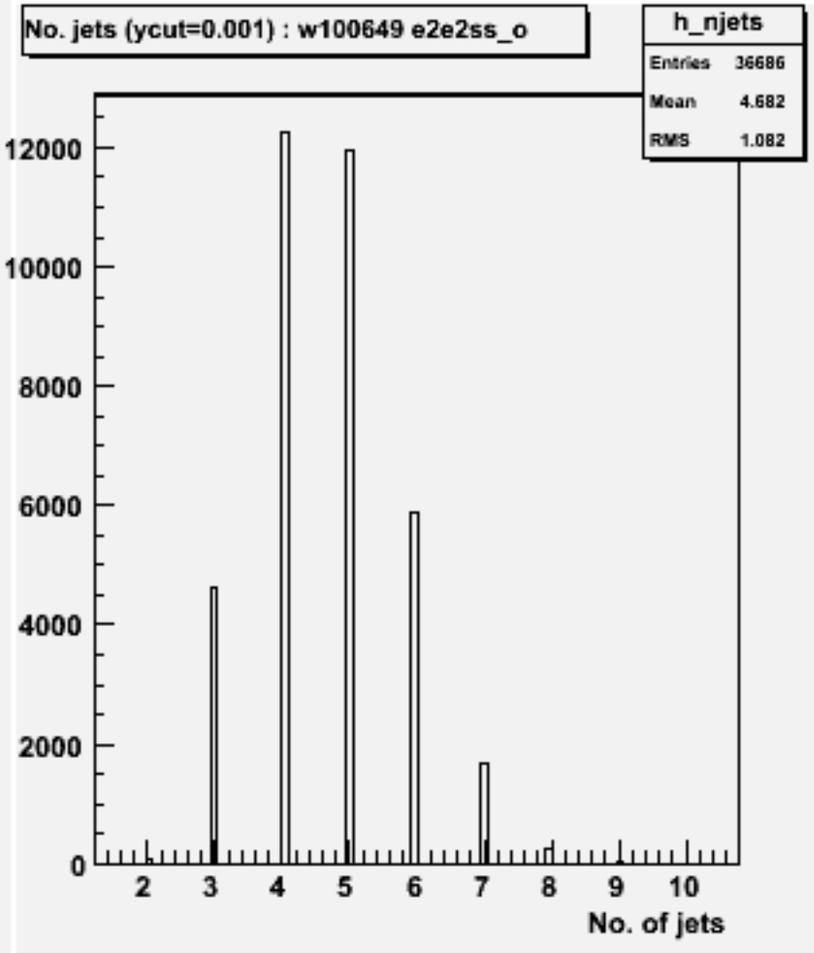

Total Energy (w/o ν): w100649 e2e2ss_o
h_evis
Entries 36686
Mean 346.8
RMS 7.435
Energy(GeV)

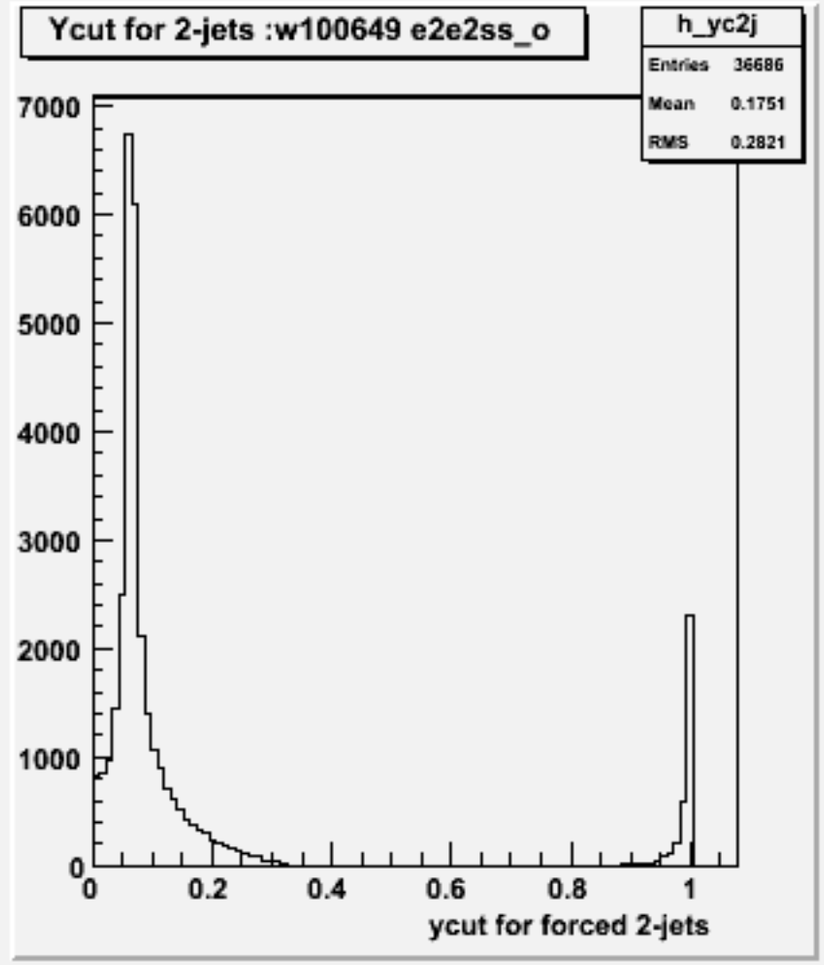

Pt Sum: w100649 e2e2ss_o
h_pt
Entries 36686
Mean 0.01602
RMS 0.3753
Pt(sum) (GeV)

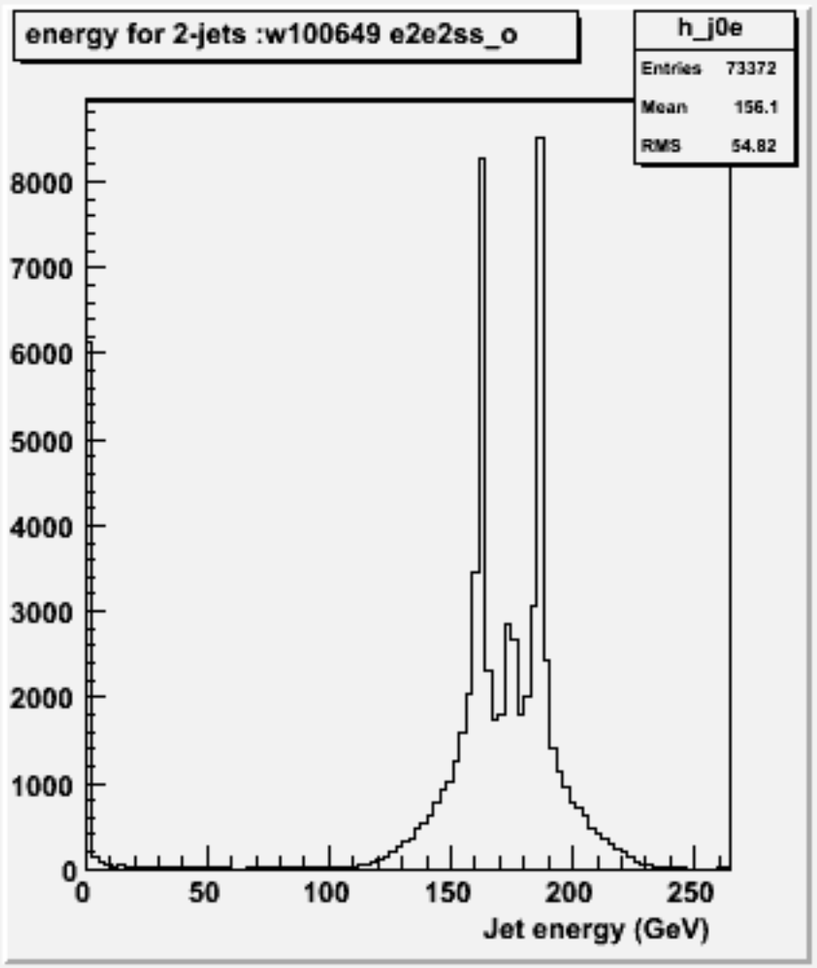

Pz Sum: w100649 e2e2ss_o
h_pz
Entries 36686
Mean 0.01247
RMS 7.289
Pz(sum) (GeV)

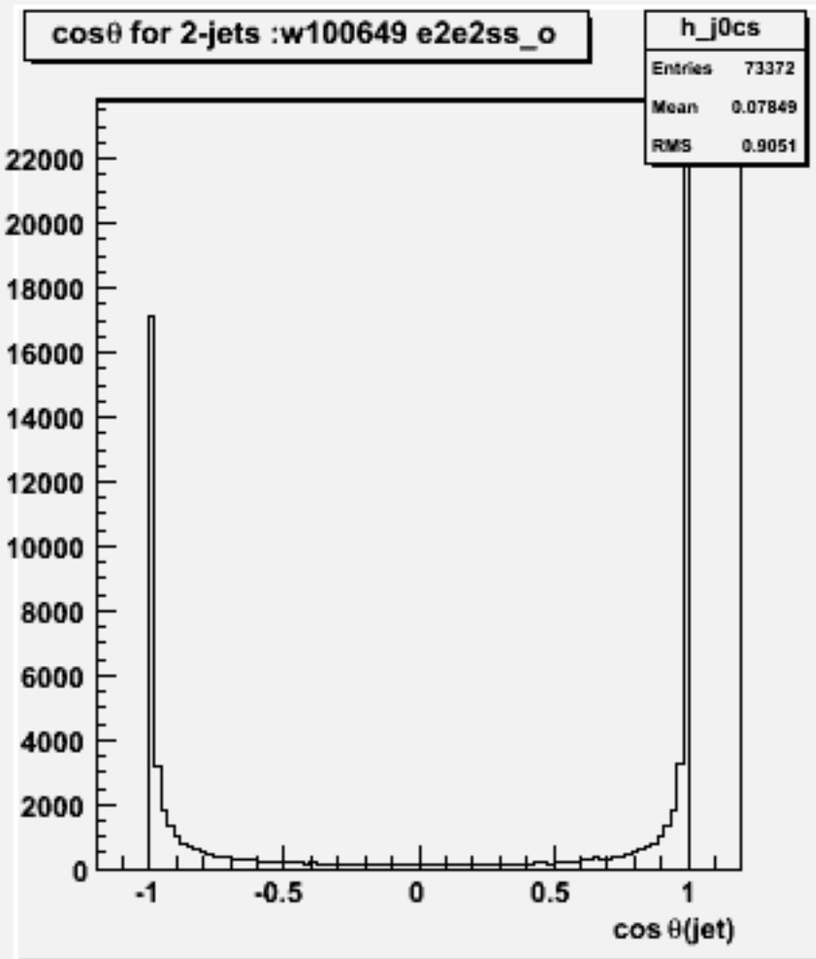

Thrust w100649 e2e2ss_o
h_thrust
Entries 36686
Mean 0.9007
RMS 0.06069
Thrust

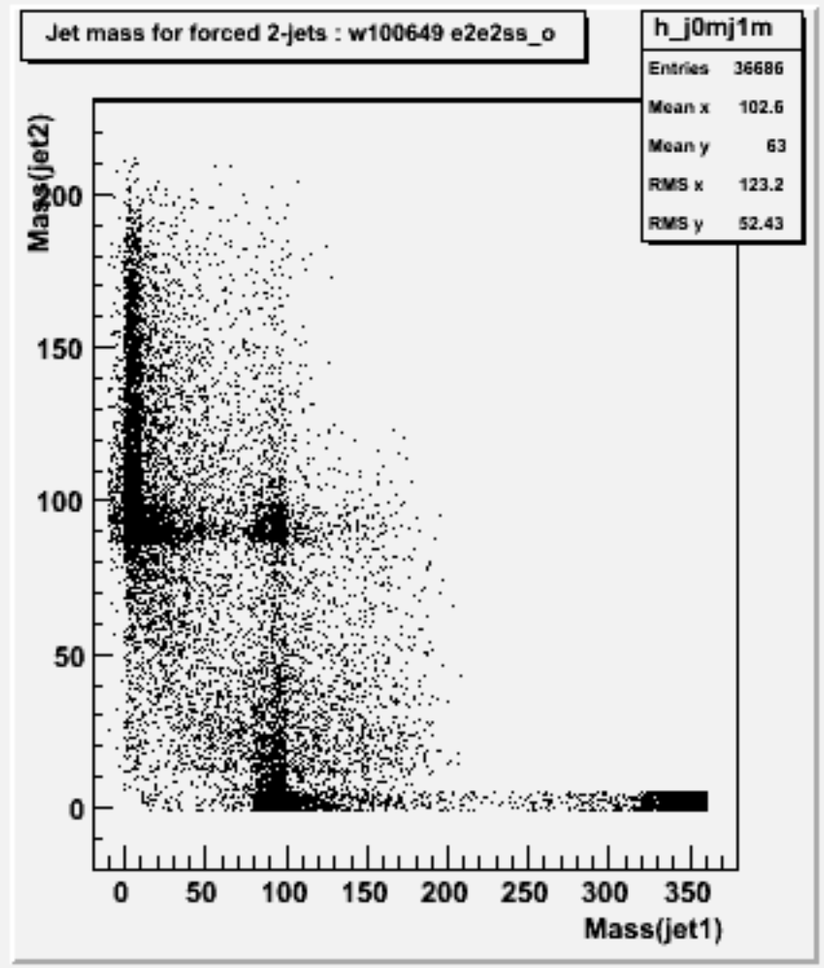

cosΘ(thrust) w100649 e2e2ss_o
h_csth
Entries 36686
Mean -0.008685
RMS 0.8879
Thrust

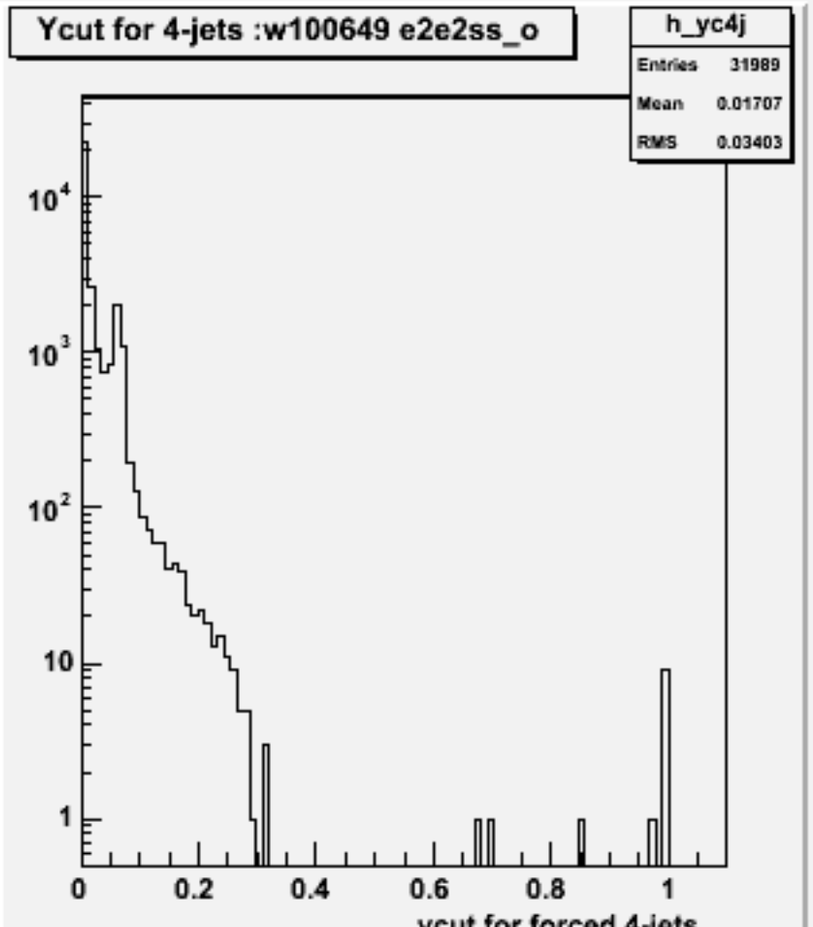

No. jets (ycut=0.001) : w100649 e2e2ss_o
h_njets
Entries 36686
Mean 4.682
RMS 1.082
No. of jets

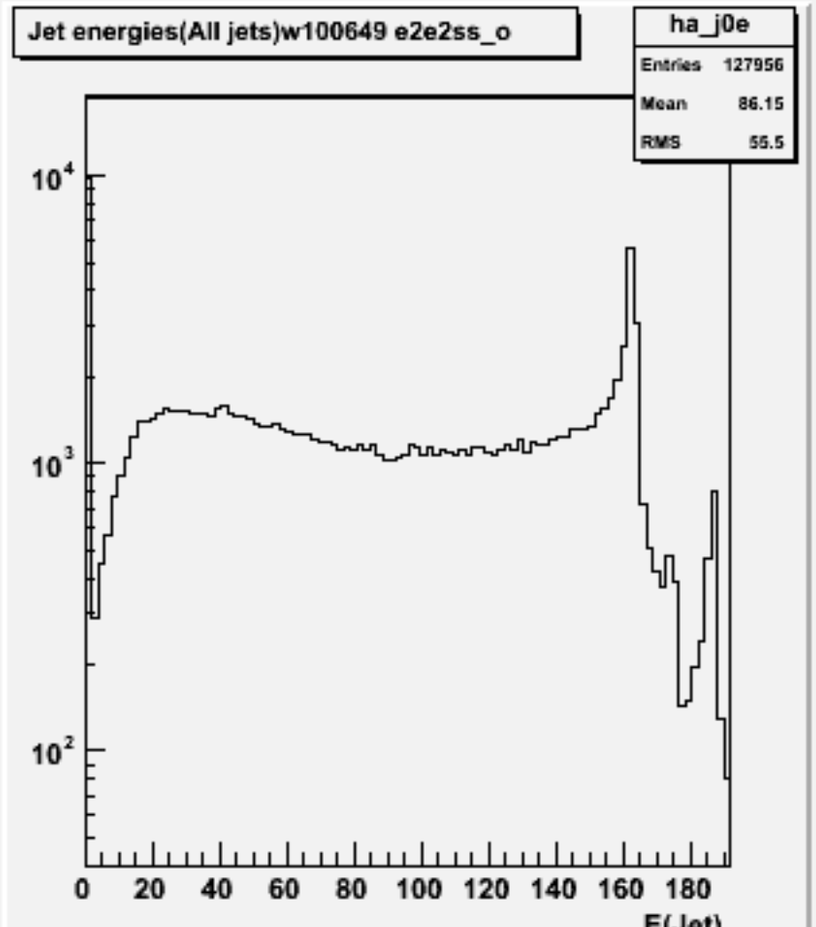

Ycut for 2-jets :w100649 e2e2ss_o
h_yc2j
Entries 36686
Mean 0.1751
RMS 0.2821
ycut for forced 2-jets

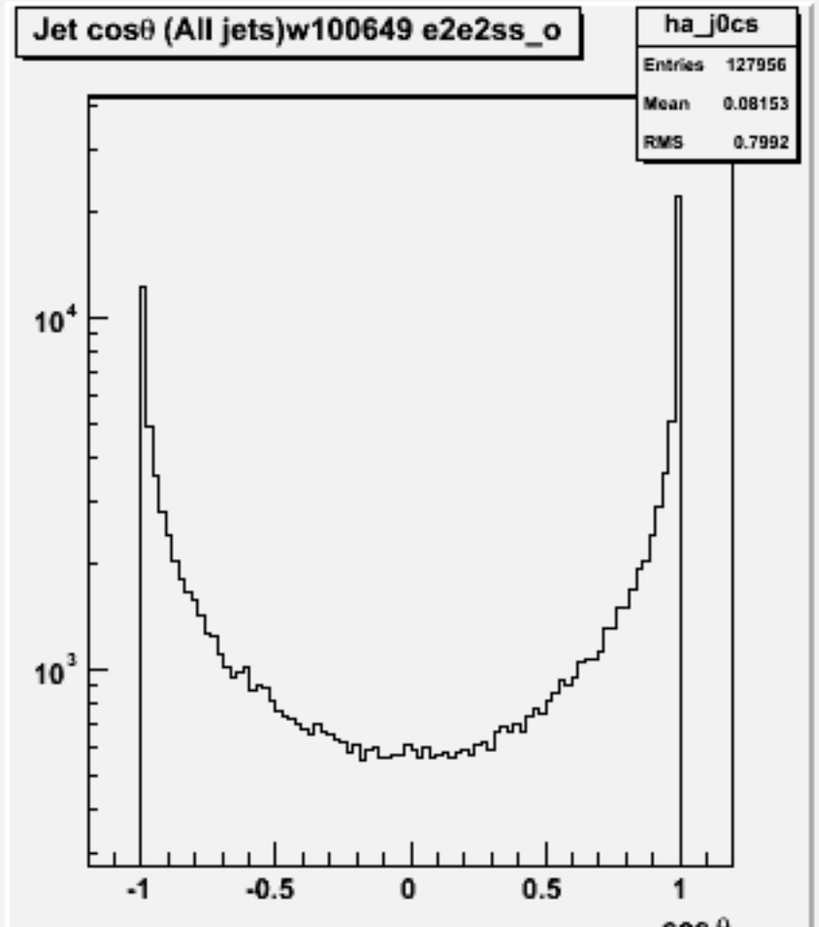

energy for 2-jets :w100649 e2e2ss_o
h_j0e
Entries 73372
Mean 156.1
RMS 54.82
Jet energy (GeV)

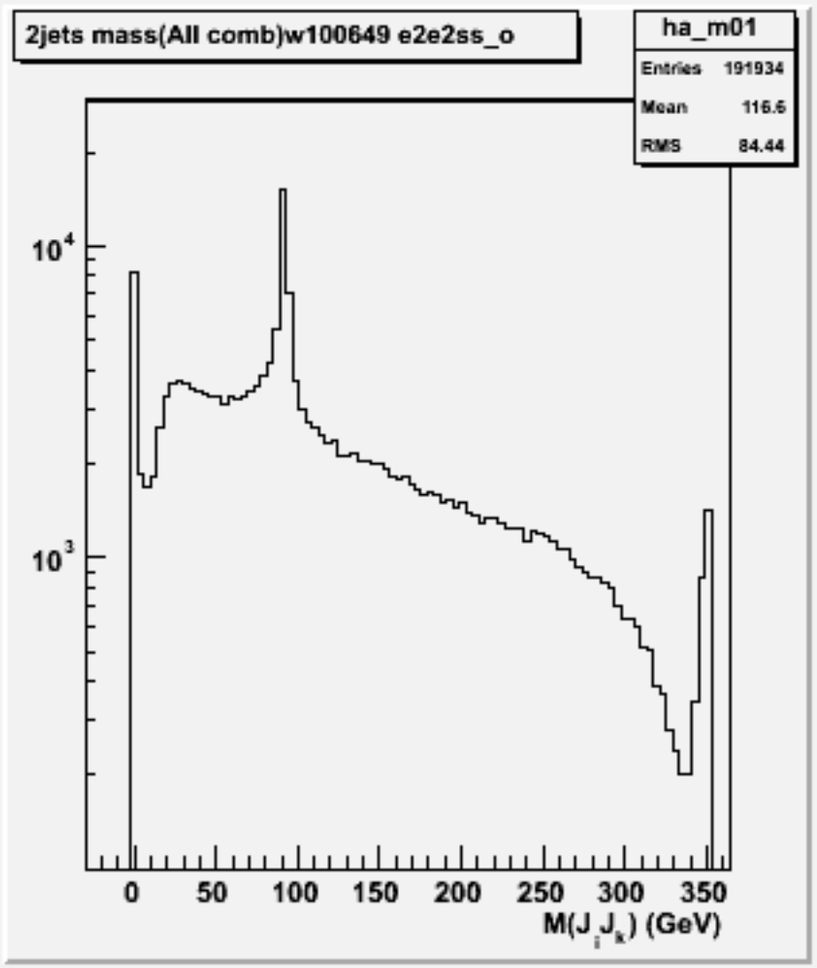

cosθ for 2-jets :w100649 e2e2ss_o
h_j0cs
Entries 73372
Mean 0.07849
RMS 0.9051
cos θ(jet)

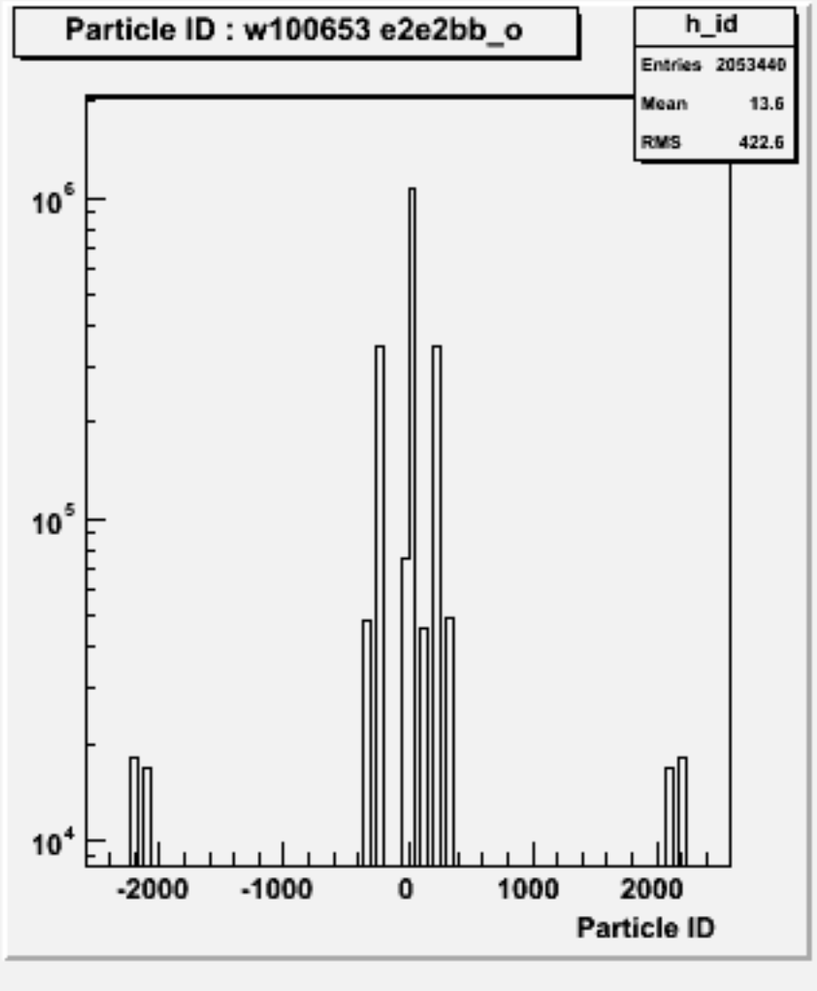

Jet mass for forced 2-jets : w100649 e2e2ss_o
h_j0mj1m
Entries 36686
Mean x 102.6
Mean y 63
RMS x 123.2
RMS y 52.43
Mass(jet2)
Mass(jet1)

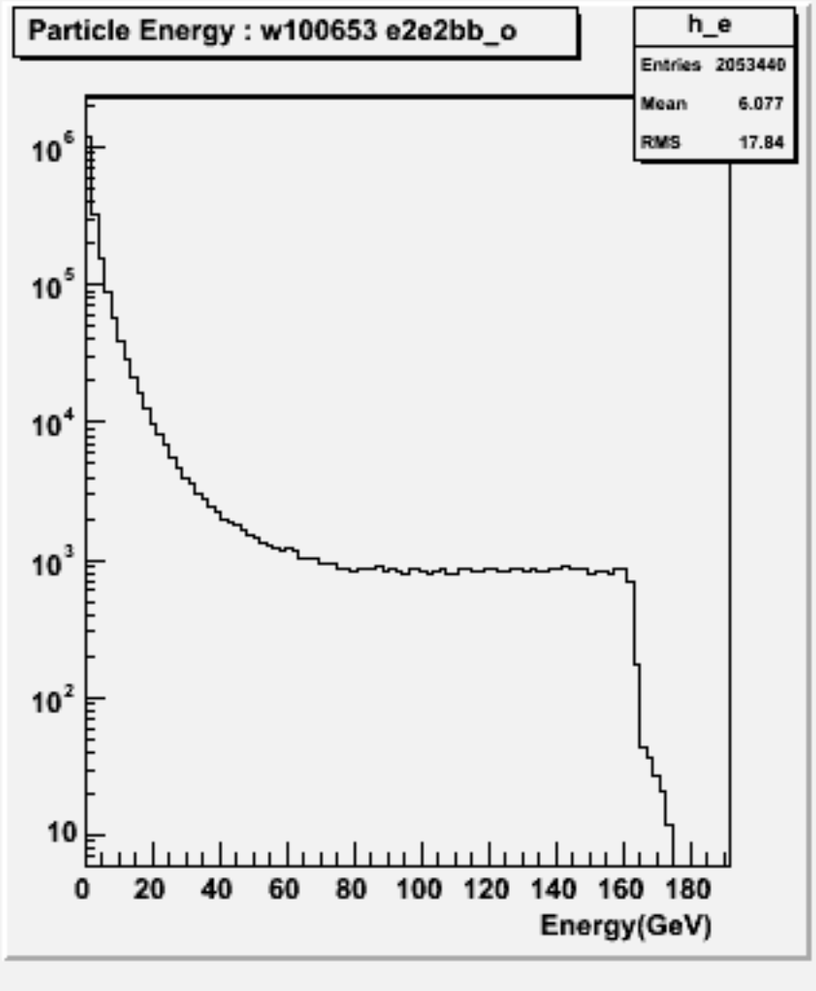

Ycut for 4-jets :w100649 e2e2ss_o
h_yc4j
Entries 31989
Mean 0.01707
RMS 0.03403
ycut for forced 4-jets

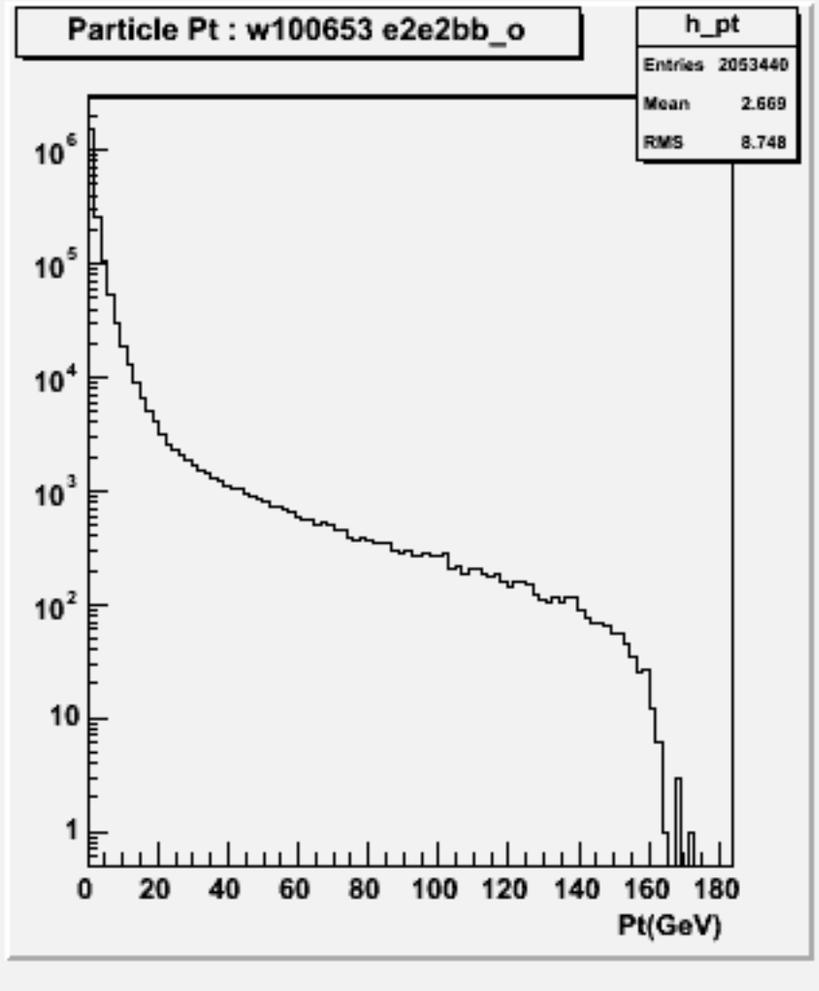

Jet energies(All jets)w100649 e2e2ss_o
ha_j0e
Entries 127956
Mean 86.15
RMS 55.5
E(Jet)

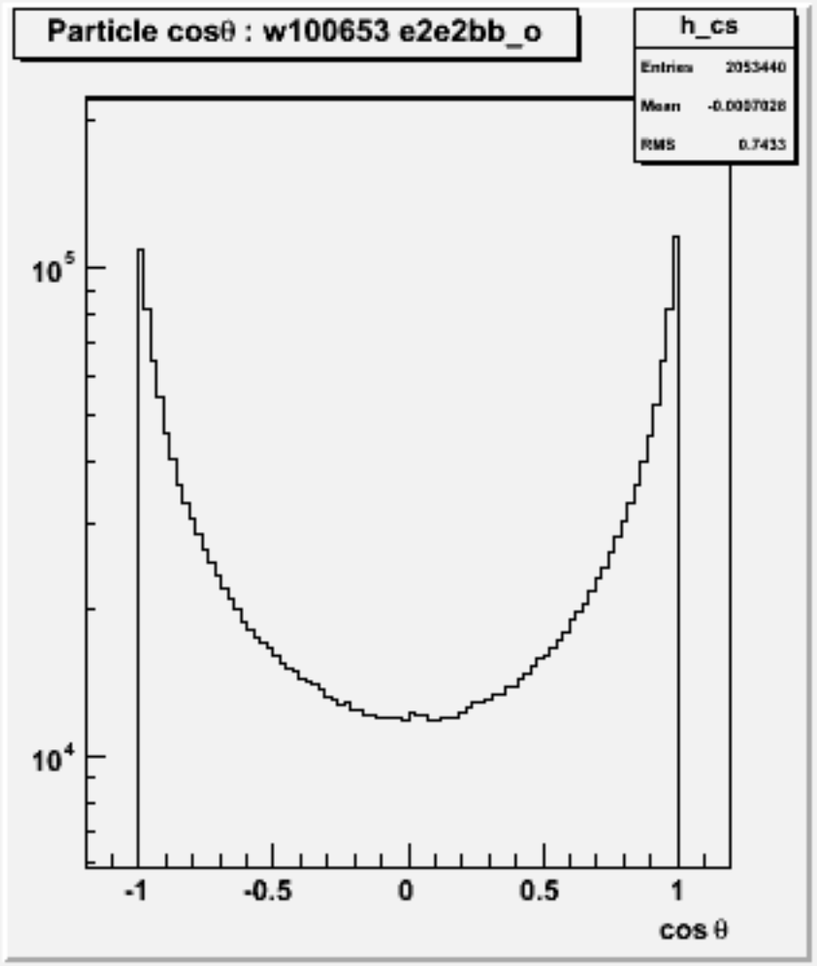

Jet cosθ (All jets)w100649 e2e2ss_o
ha_j0cs
Entries 127956
Mean 0.08153
RMS 0.7992
cos θ

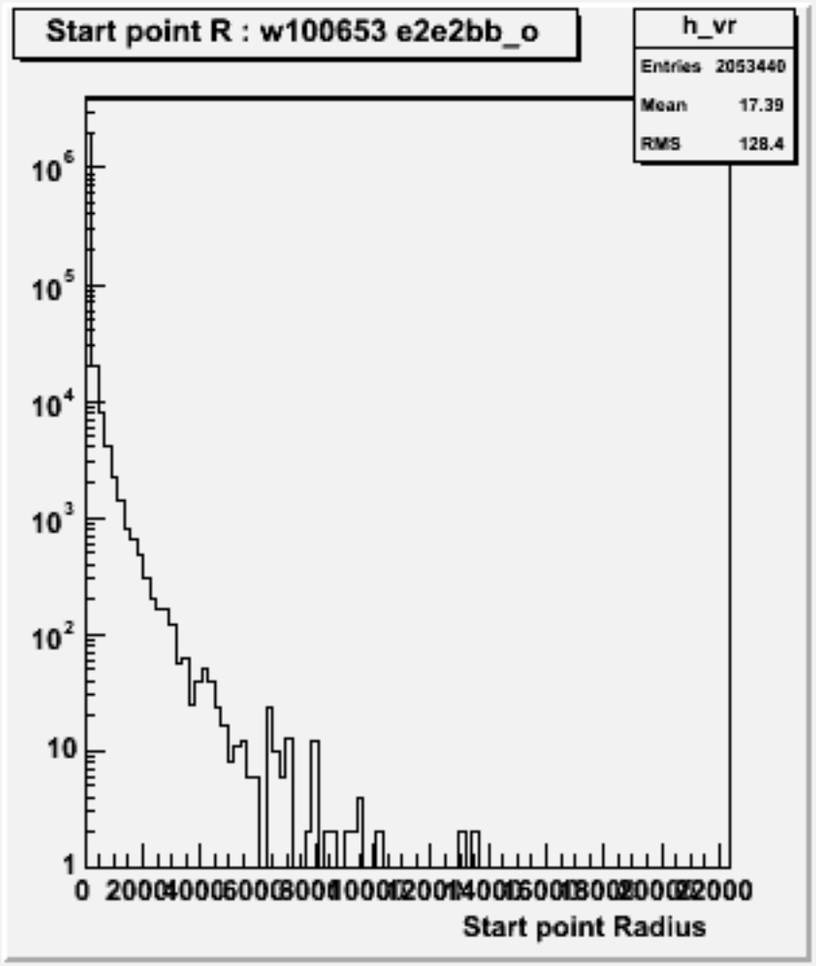

2jets mass(All comb)w100649 e2e2ss_o
ha_m01
Entries 191934
Mean 116.6
RMS 84.44
M(J_iJ_k) (GeV)

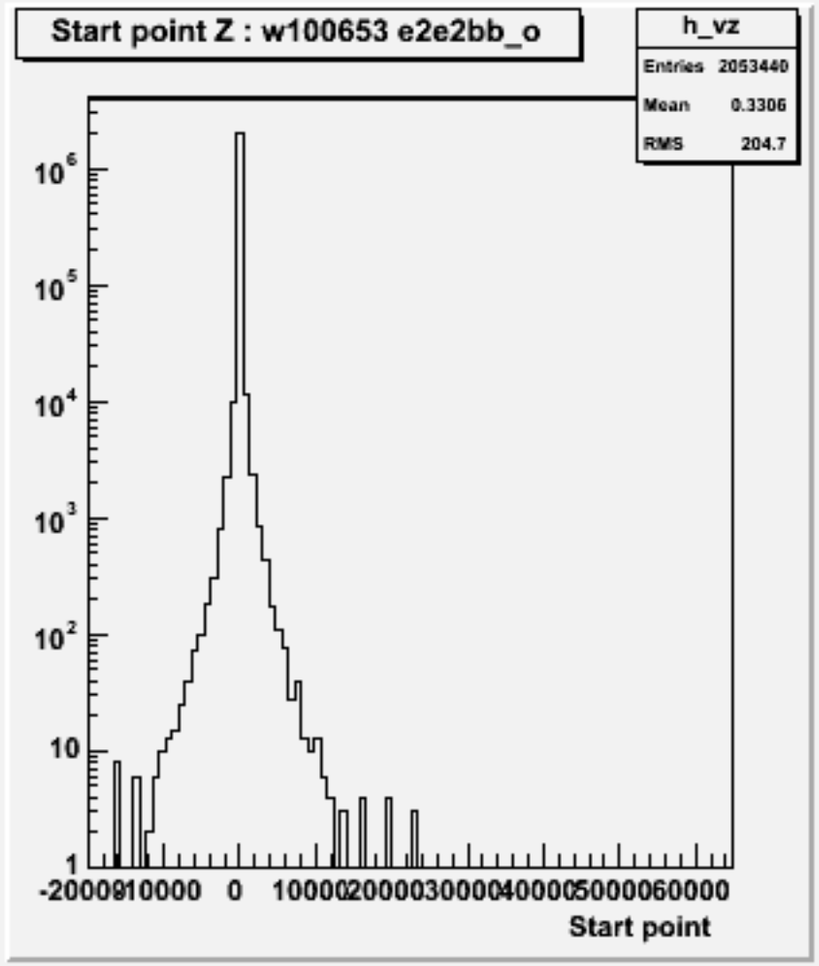

Particle ID : w100653 e2e2bb_o
h_id
Entries 2053440
Mean 13.6
RMS 422.6
Particle ID

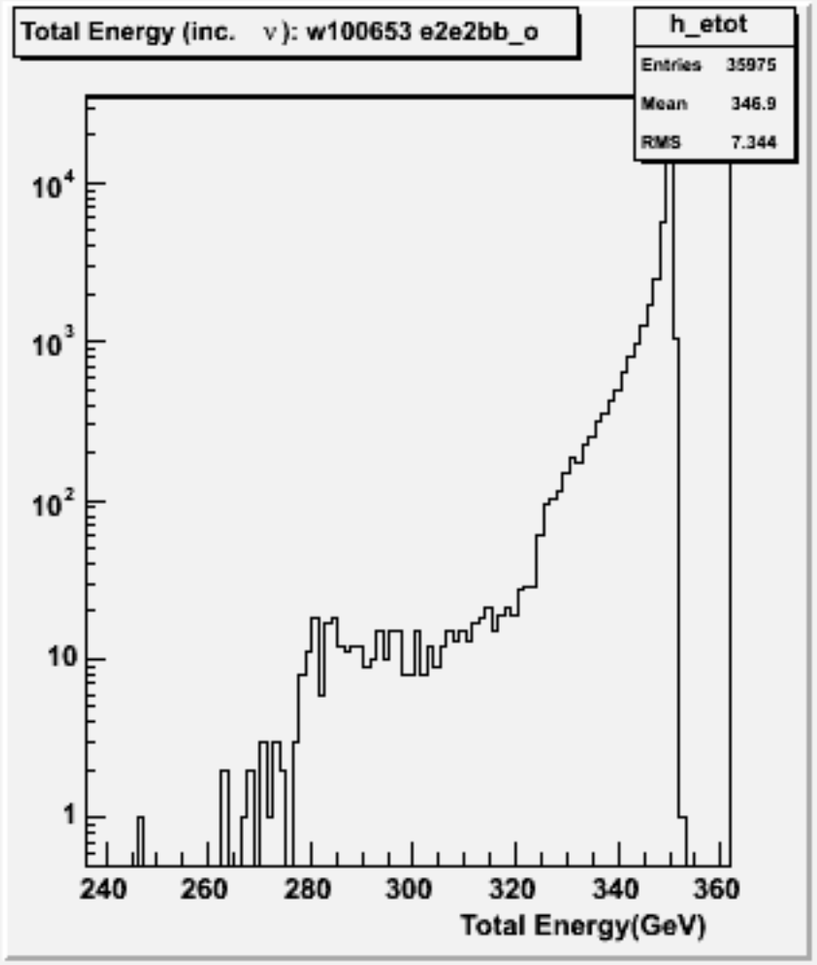

Particle Energy : w100653 e2e2bb_o
h_e
Entries 2053440
Mean 6.077
RMS 17.84
Energy(GeV)

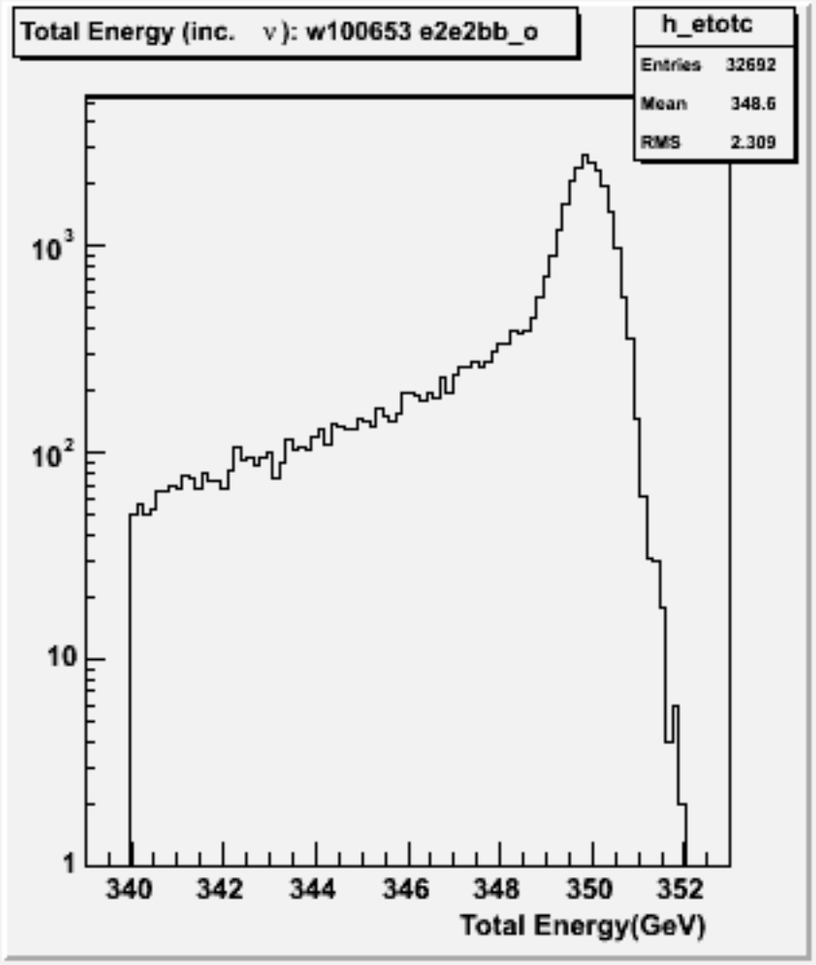

Particle Pt : w100653 e2e2bb_o
h_pt
Entries 2053440
Mean 2.669
RMS 8.748
Pt(GeV)

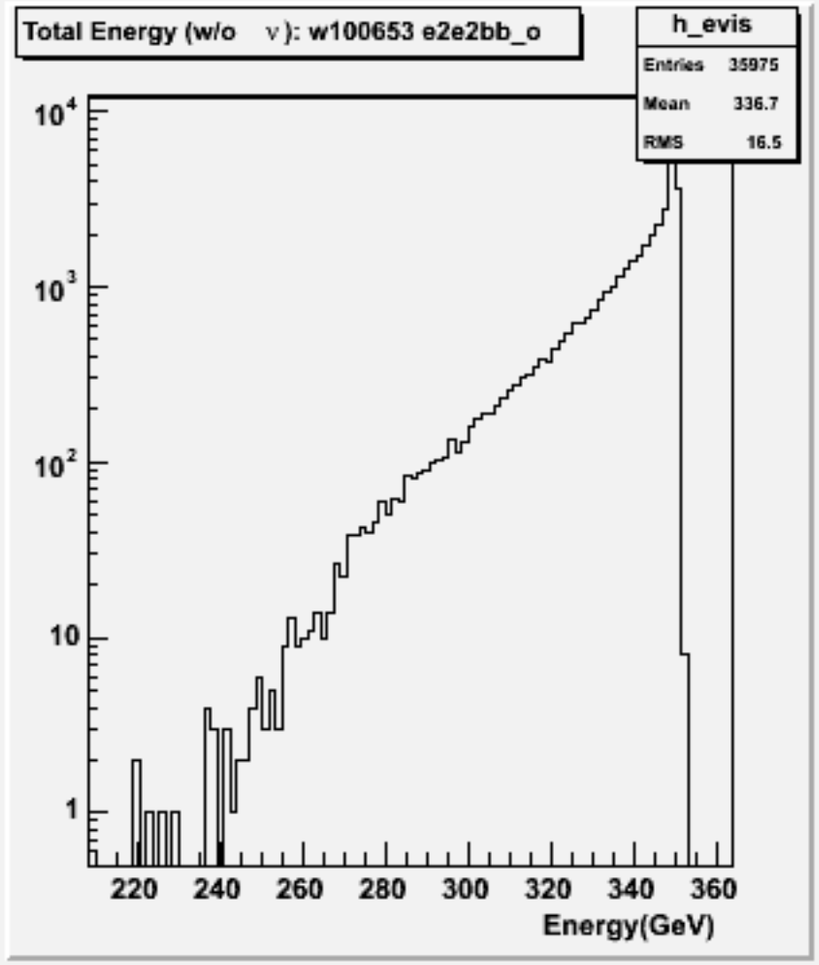

Particle cosθ : w100653 e2e2bb_o
h_cs
Entries 2053440
Mean -0.0007028
RMS 0.7433
cos θ

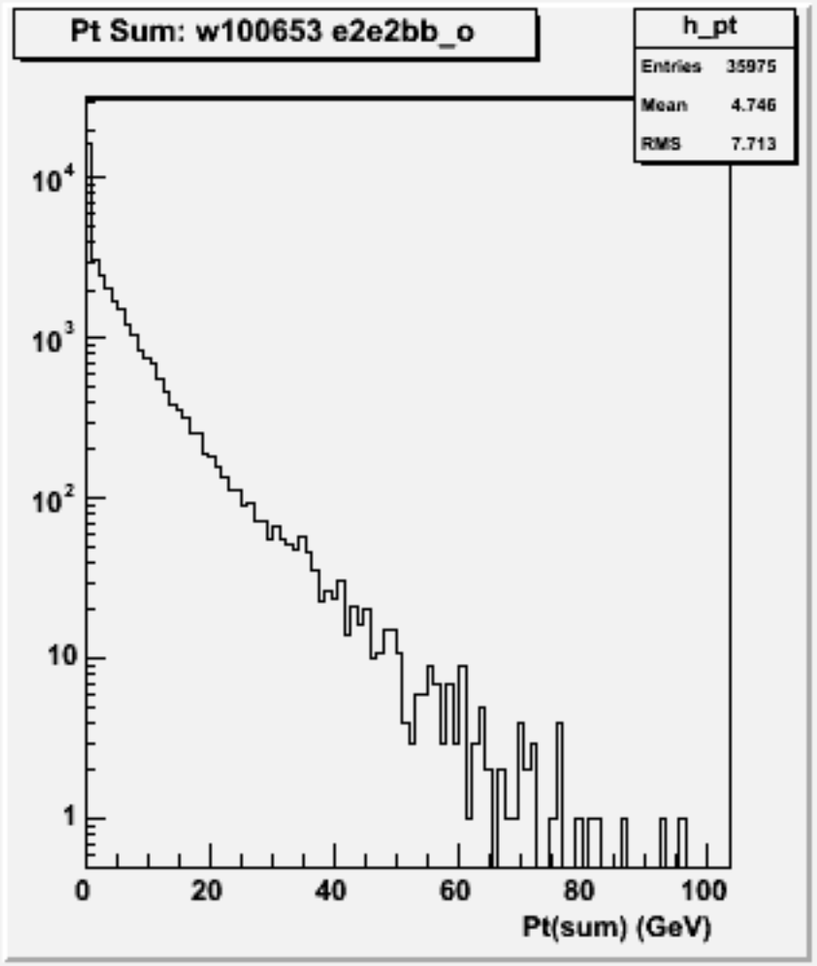

Start point R : w100653 e2e2bb_o
h_vr
Entries 2053440
Mean 17.39
RMS 128.4
Start point Radius

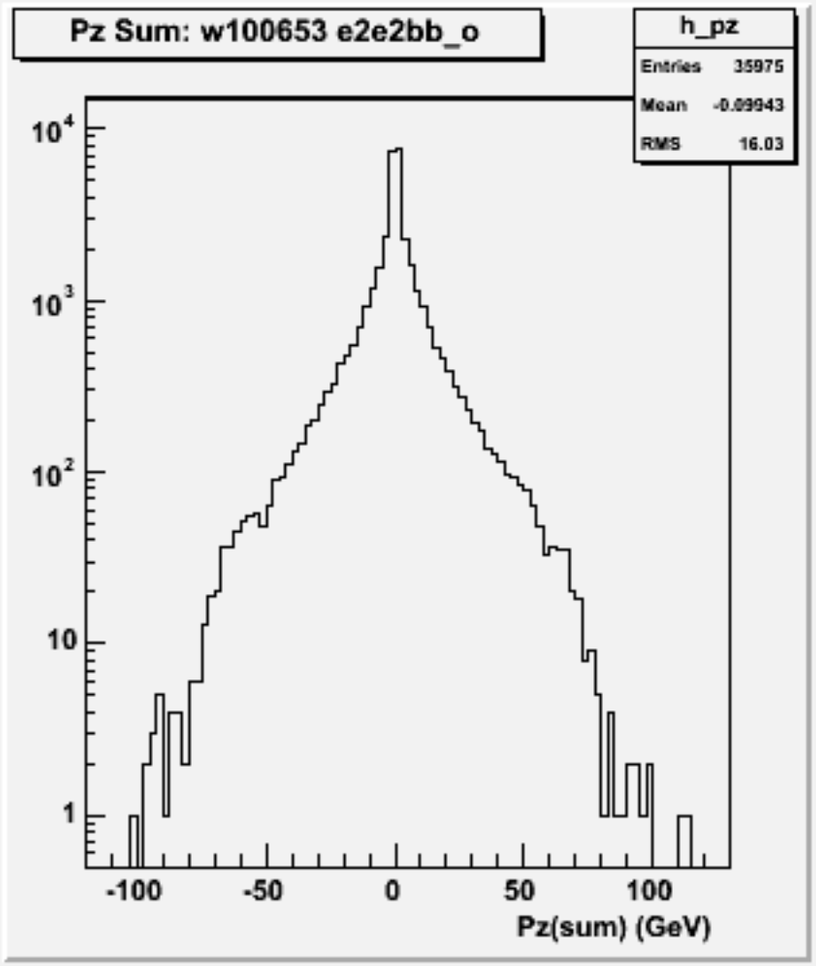

Start point Z : w100653 e2e2bb_o
h_vz
Entries 2053440
Mean 0.3306
RMS 204.7
Start point

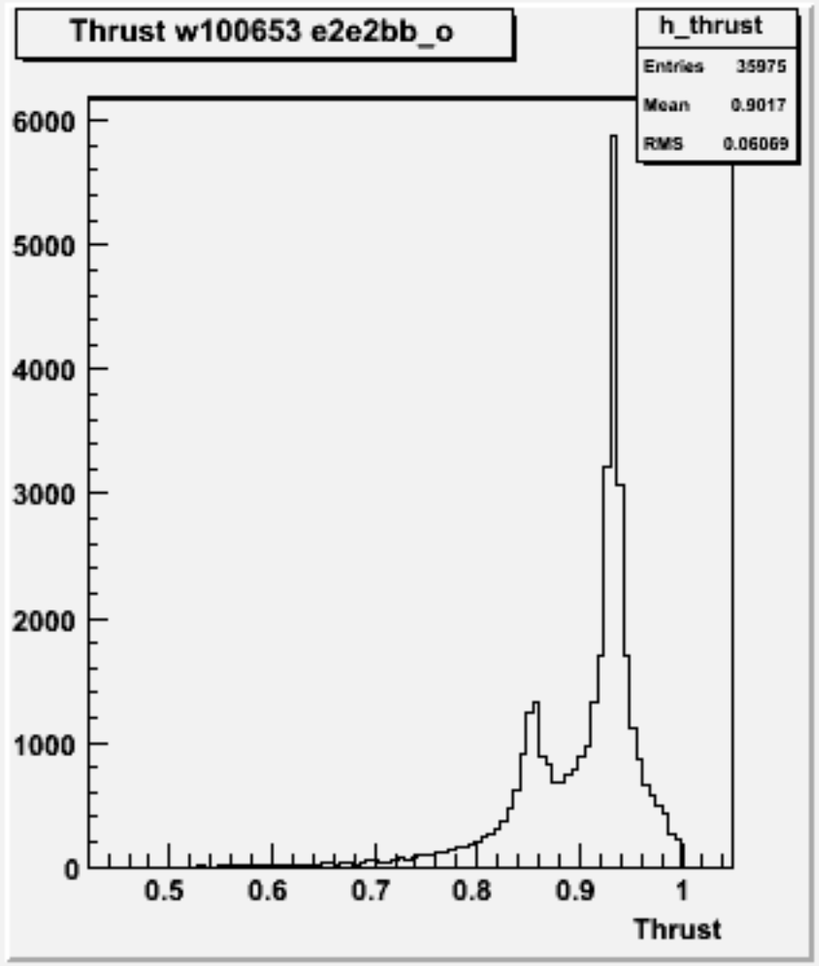

Total Energy (inc. ν): w100653 e2e2bb_o
h_etot
Entries 35975
Mean 346.9
RMS 7.344
Total Energy(GeV)

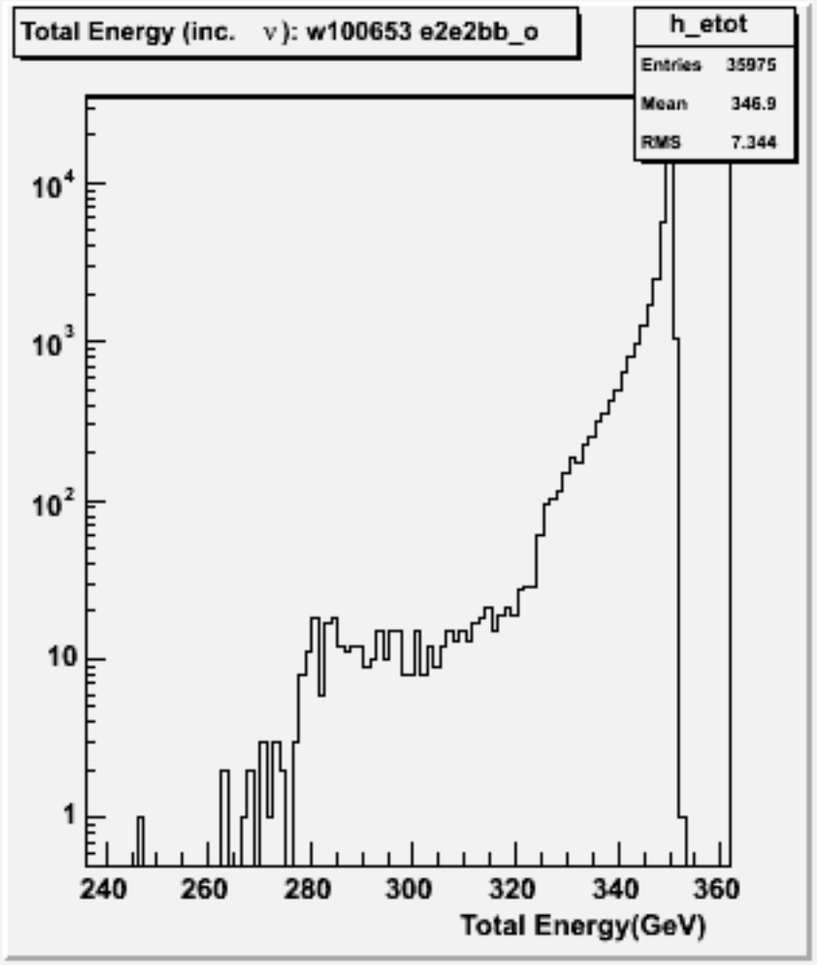

Total Energy (inc. ν): w100653 e2e2bb_o
h_etotc
Entries 32692
Mean 348.6
RMS 2.309
Total Energy(GeV)

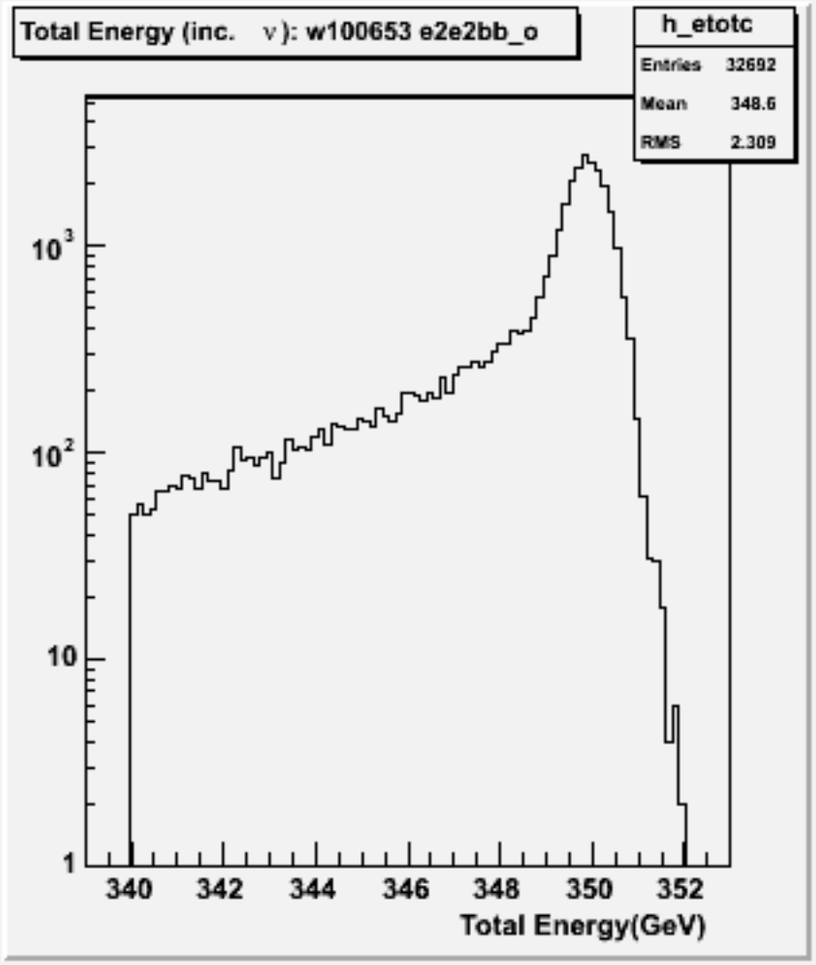

Total Energy (w/o ν): w100653 e2e2bb_o
h_evis
Entries 35975
Mean 336.7
RMS 16.5
Energy(GeV)

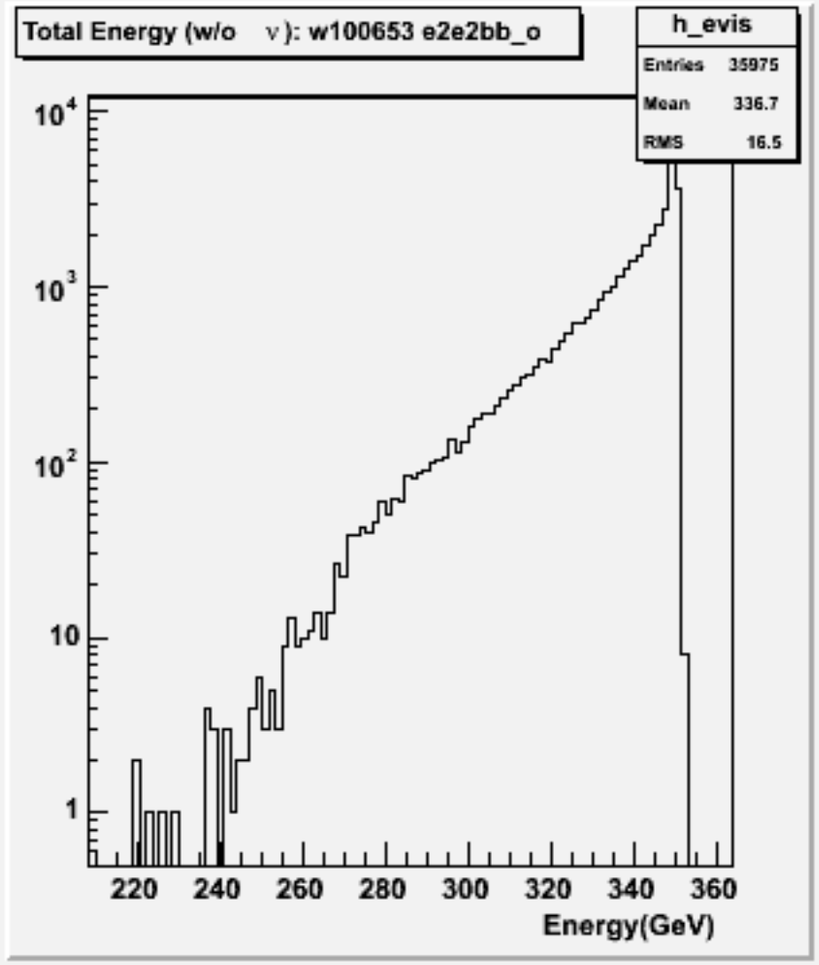

Pt Sum: w100653 e2e2bb_o
h_pt
Entries 35975
Mean 4.746
RMS 7.713
Pt(sum) (GeV)

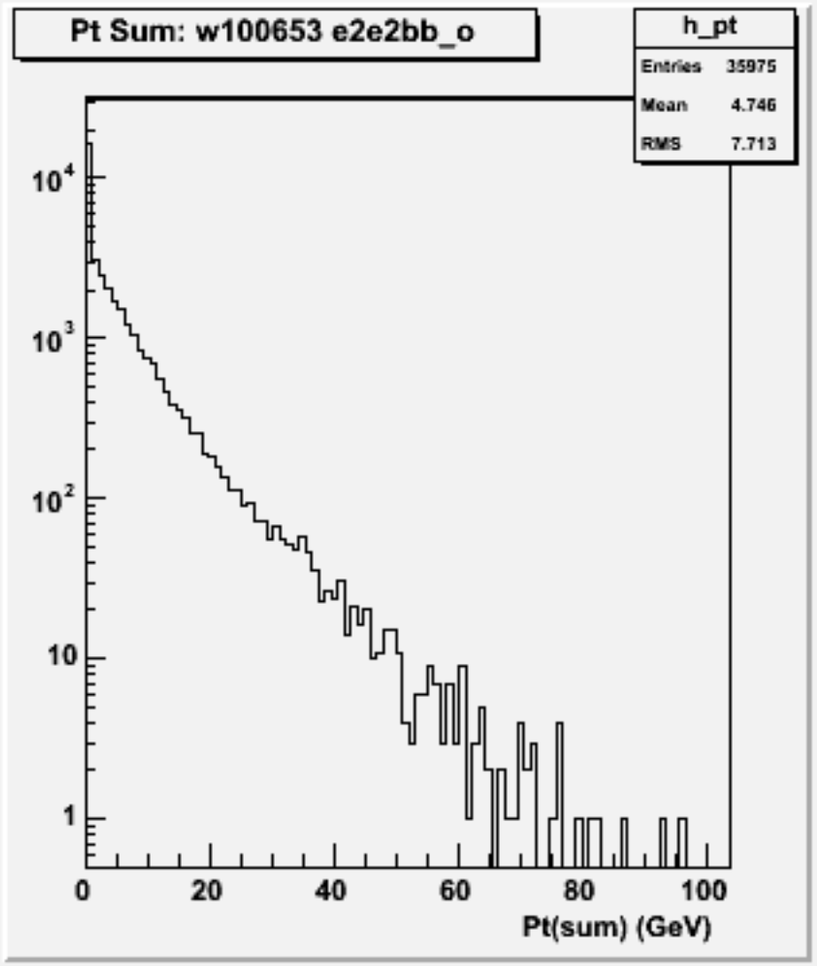

Pz Sum: w100653 e2e2bb_o
h_pz
Entries 35975
Mean -0.09943
RMS 16.03
Pz(sum) (GeV)

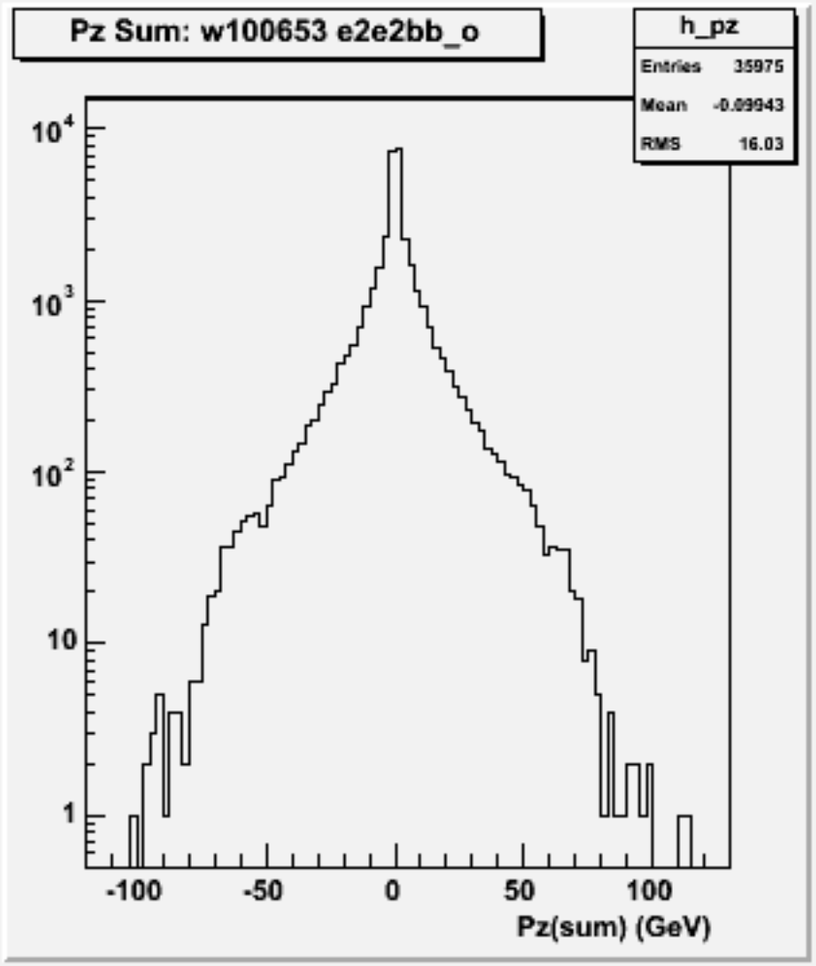

Thrust w100653 e2e2bb_o
h_thrust
Entries 35975
Mean 0.9017
RMS 0.06069
Thrust

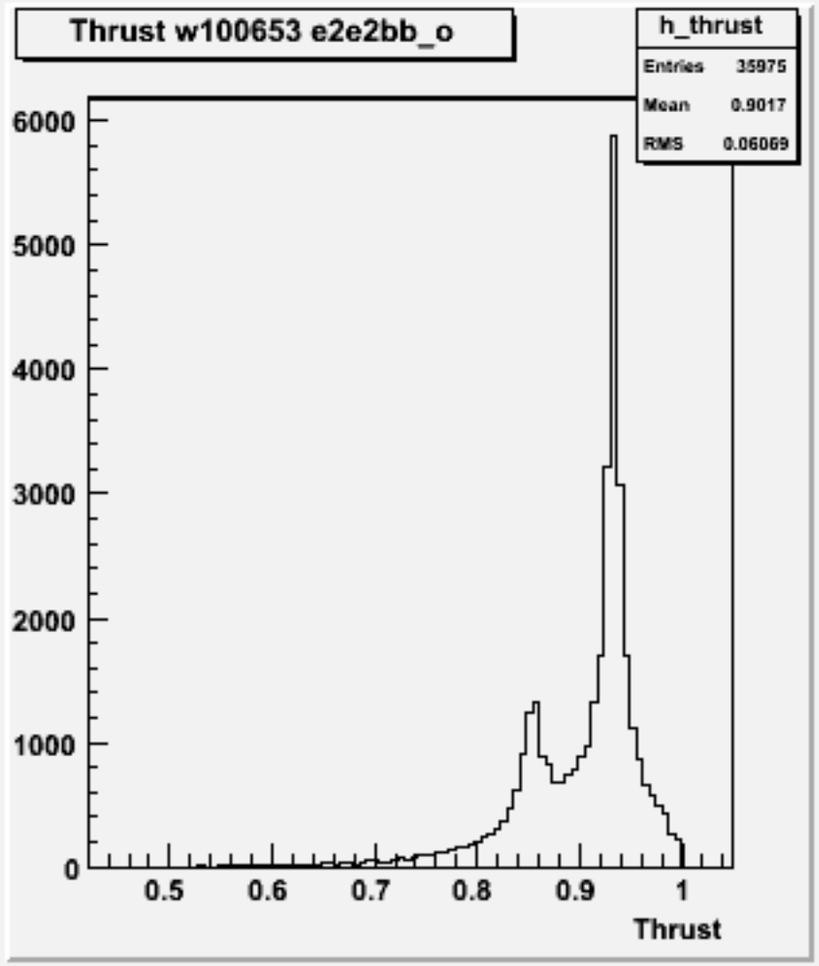

Total Energy (inc. ν): w100653 e2e2bb_o
h_etot
Entries 35975
Mean 346.9
RMS 7.344
Total Energy(GeV)

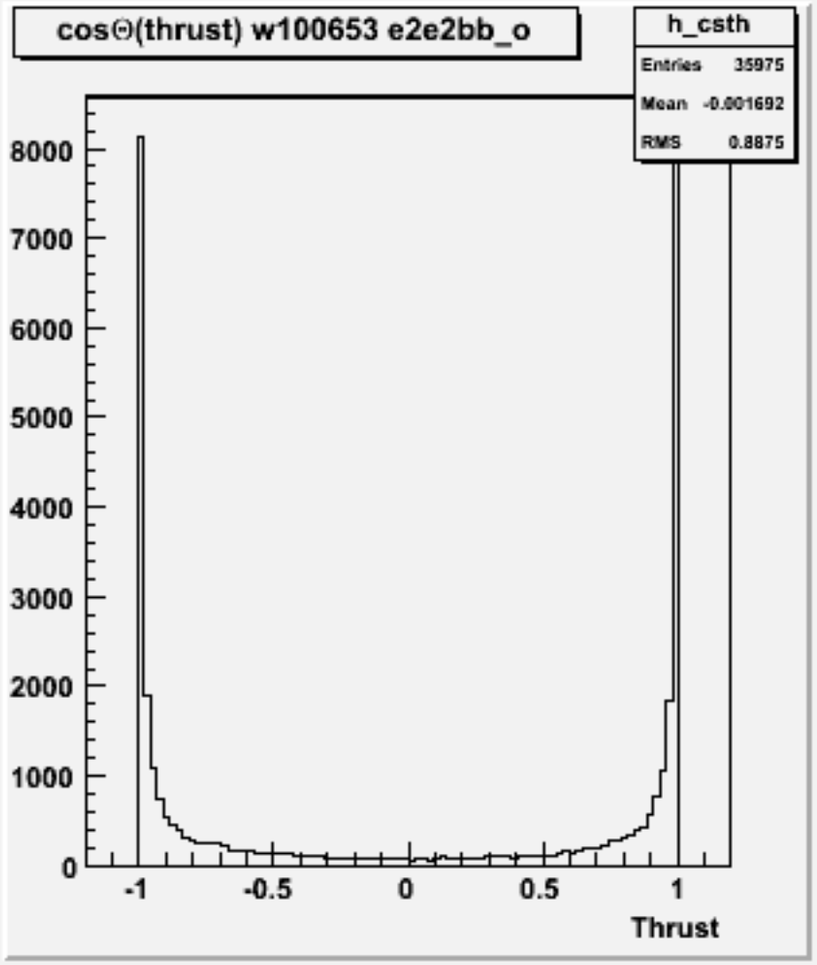

Total Energy (inc. ν): w100653 e2e2bb_o
h_etotc
Entries 32692
Mean 348.6
RMS 2.309
Total Energy(GeV)

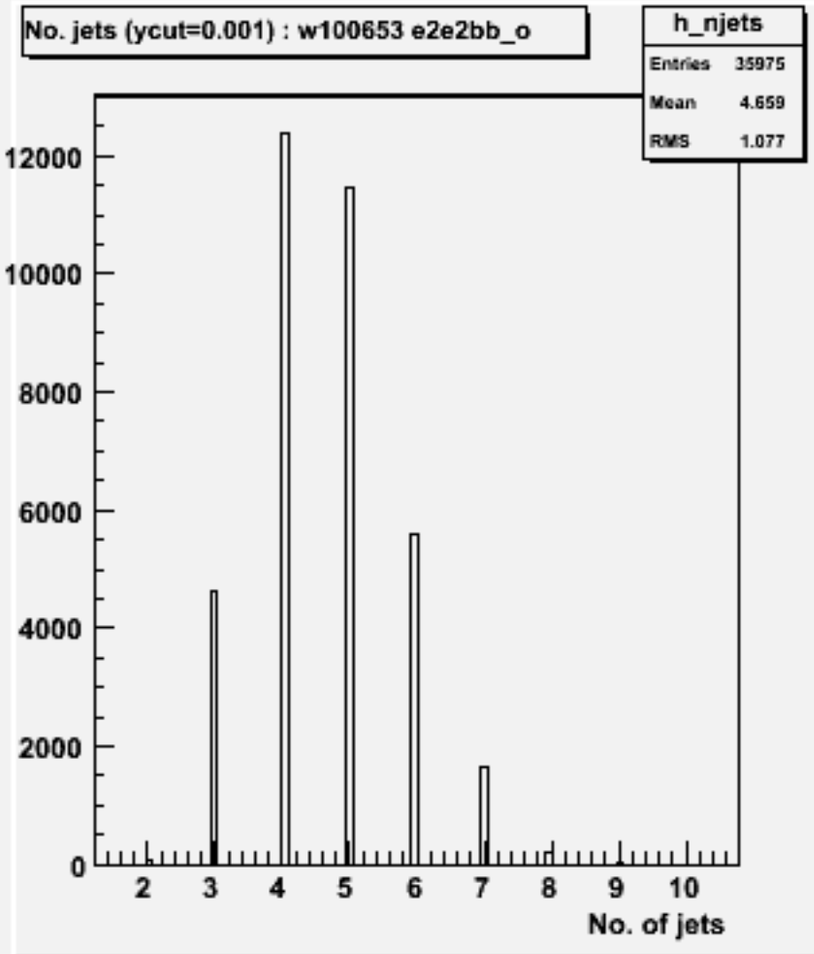

Total Energy (w/o ν): w100653 e2e2bb_o
h_evis
Entries 35975
Mean 336.7
RMS 16.5
Energy(GeV)

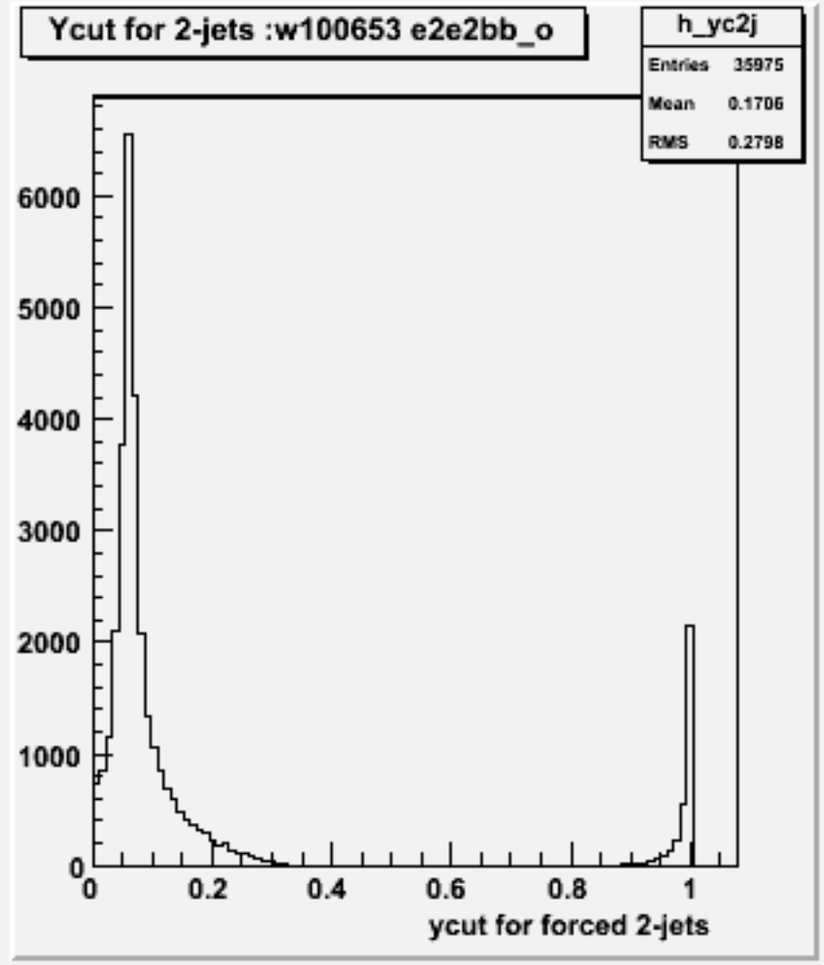

Pt Sum: w100653 e2e2bb_o
h_pt
Entries 35975
Mean 4.746
RMS 7.713
Pt(sum) (GeV)

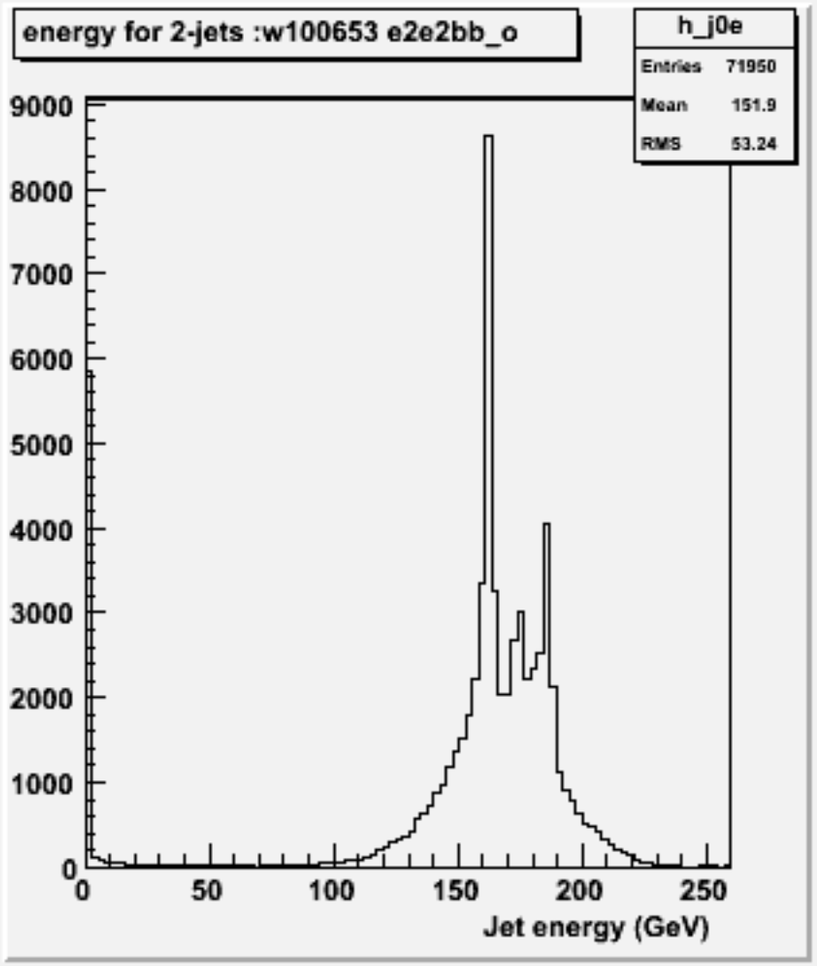

Pz Sum: w100653 e2e2bb_o
h_pz
Entries 35975
Mean -0.09943
RMS 16.03
Pz(sum) (GeV)

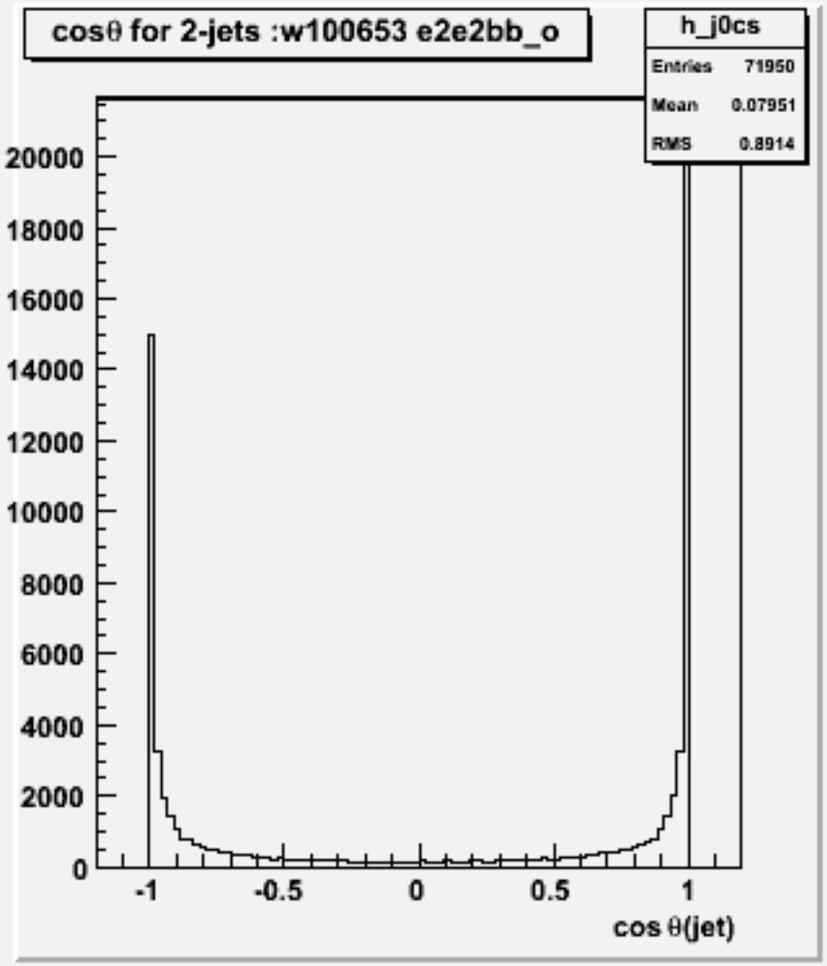

Thrust w100653 e2e2bb_o
h_thrust
Entries 35975
Mean 0.9017
RMS 0.06069
Thrust

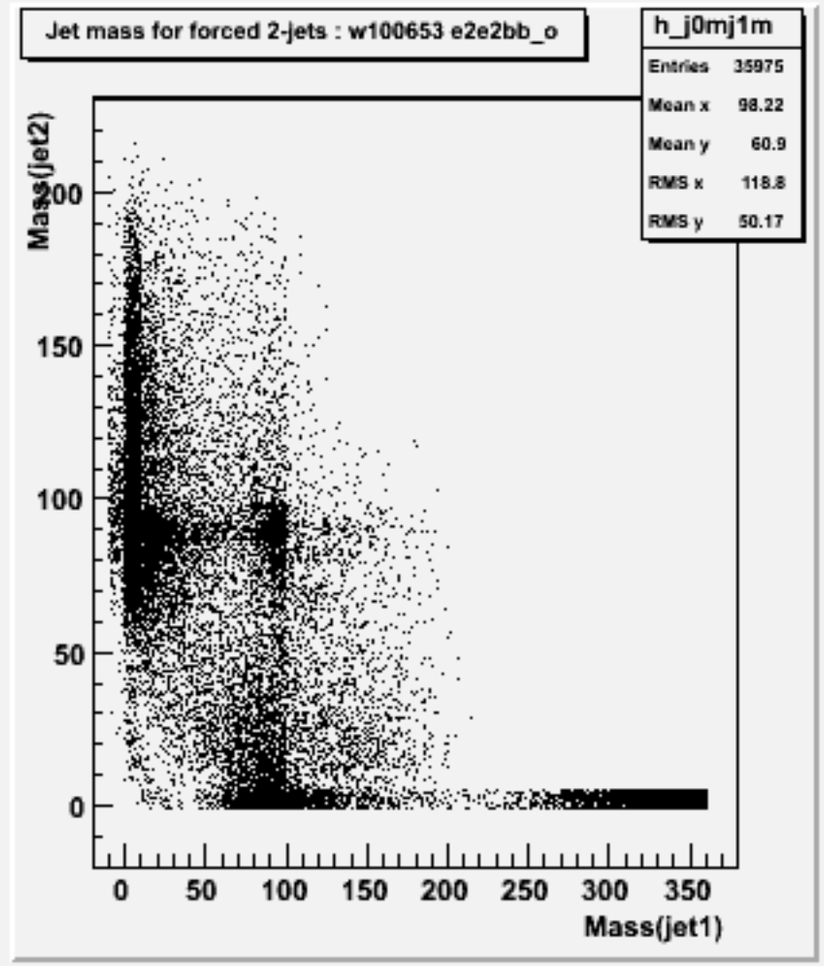

cosΘ(thrust) w100653 e2e2bb_o
h_csth
Entries 35975
Mean -0.001692
RMS 0.8875
Thrust

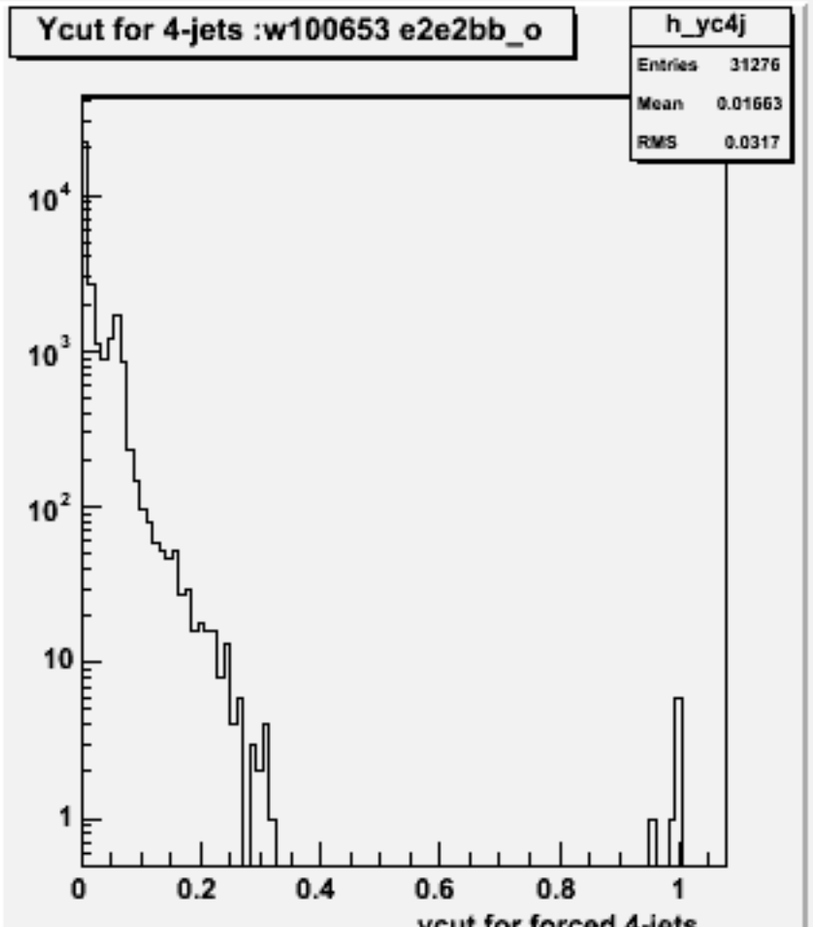

No. jets (ycut=0.001) : w100653 e2e2bb_o
h_njets
Entries 35975
Mean 4.659
RMS 1.077
No. of jets

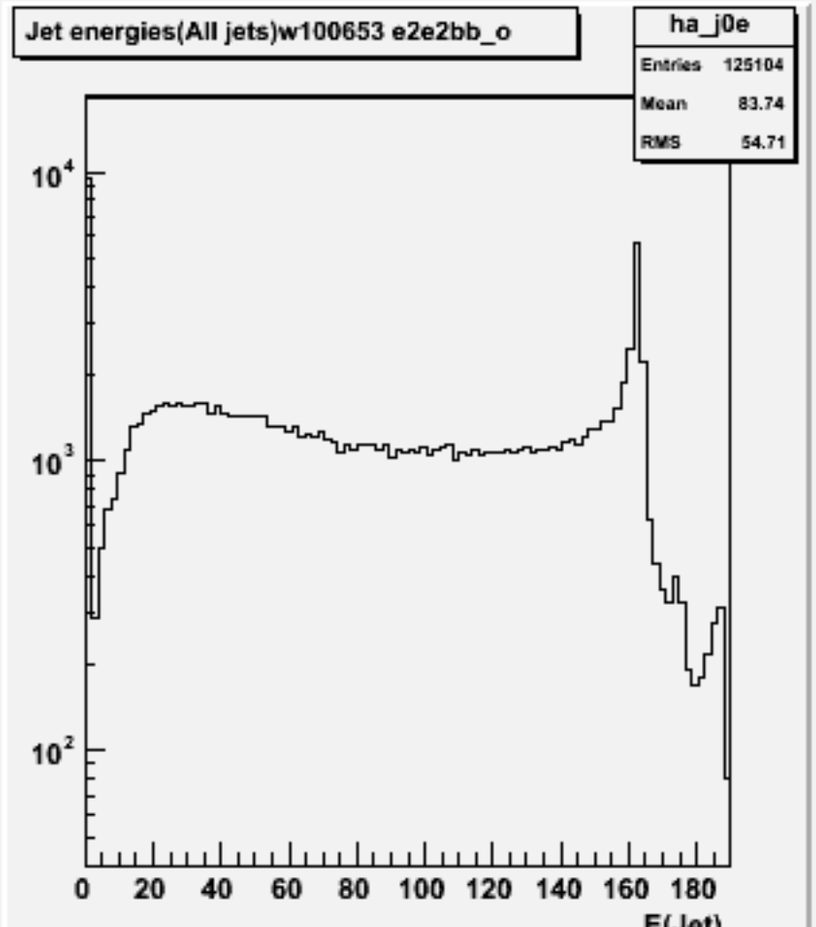

Ycut for 2-jets :w100653 e2e2bb_o
h_yc2j
Entries 35975
Mean 0.1706
RMS 0.2798
ycut for forced 2-jets

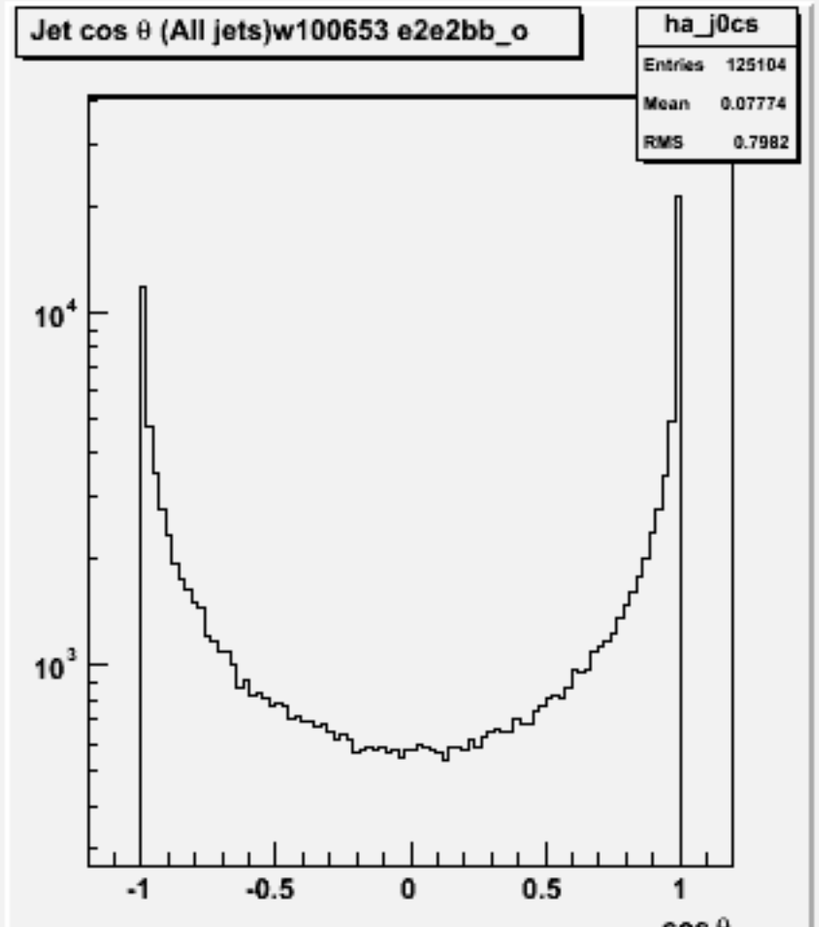

energy for 2-jets :w100653 e2e2bb_o
h_j0e
Entries 71950
Mean 151.9
RMS 53.24
Jet energy (GeV)

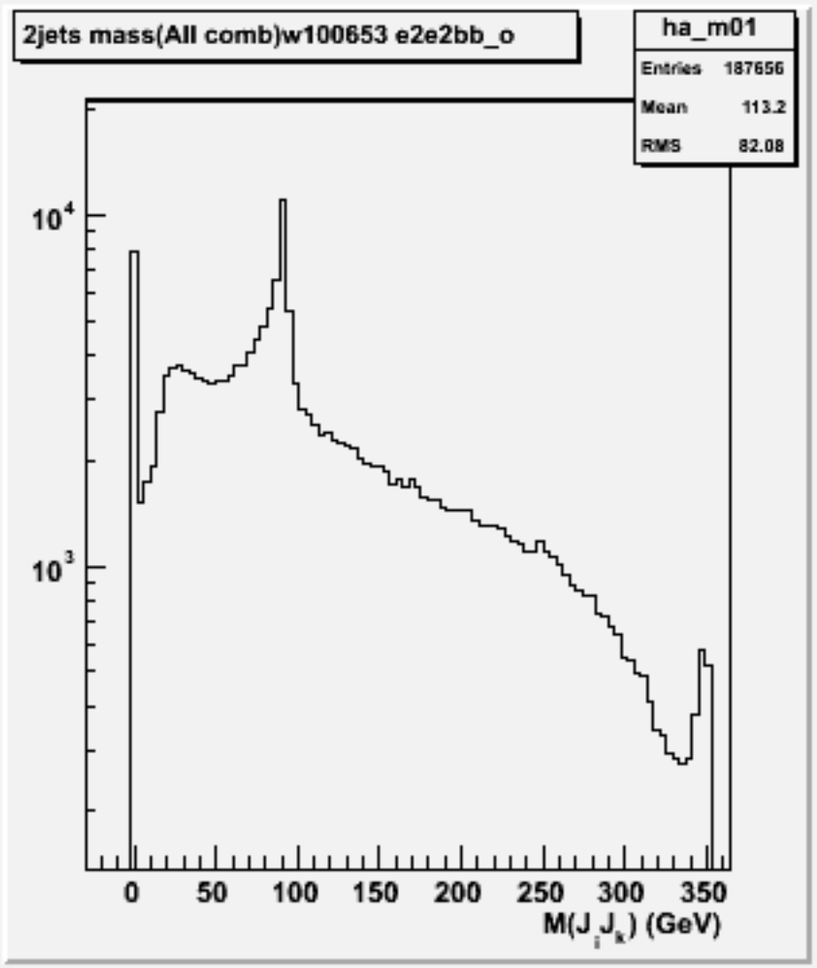

cosθ for 2-jets :w100653 e2e2bb_o
h_j0cs
Entries 71950
Mean 0.07951
RMS 0.8914
cos θ(jet)

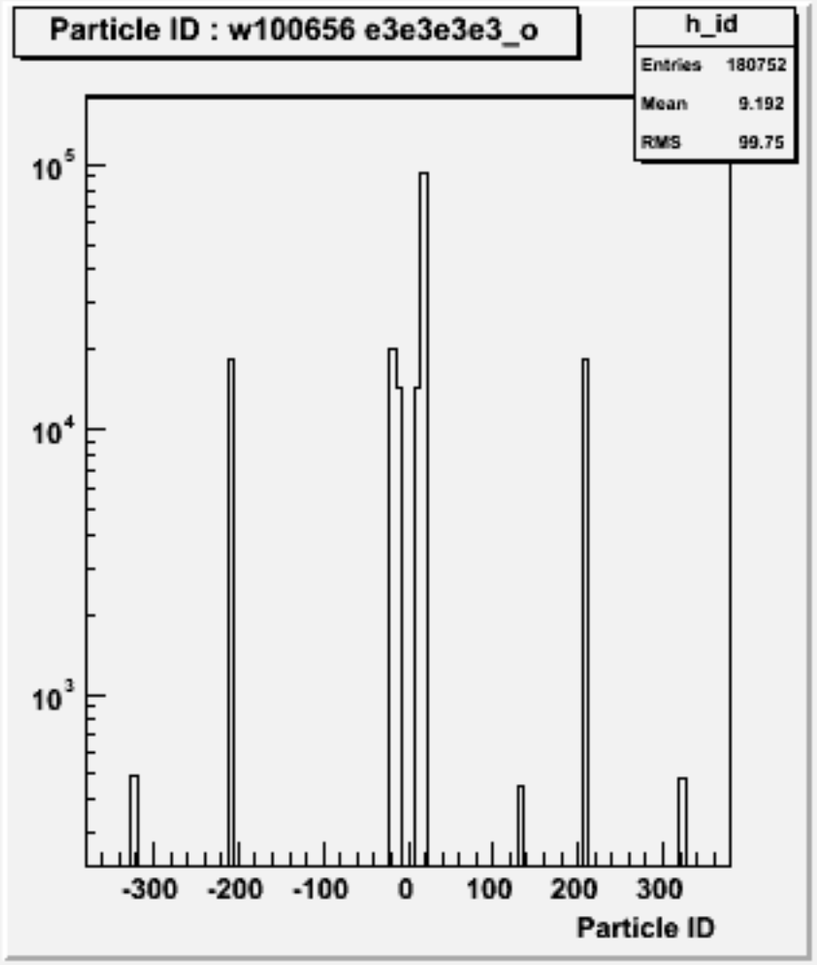

Jet mass for forced 2-jets : w100653 e2e2bb_o
h_j0mj1m
Entries 35975
Mean x 98.22
Mean y 60.9
RMS x 118.8
RMS y 50.17
Mass(jet2)
Mass(jet1)

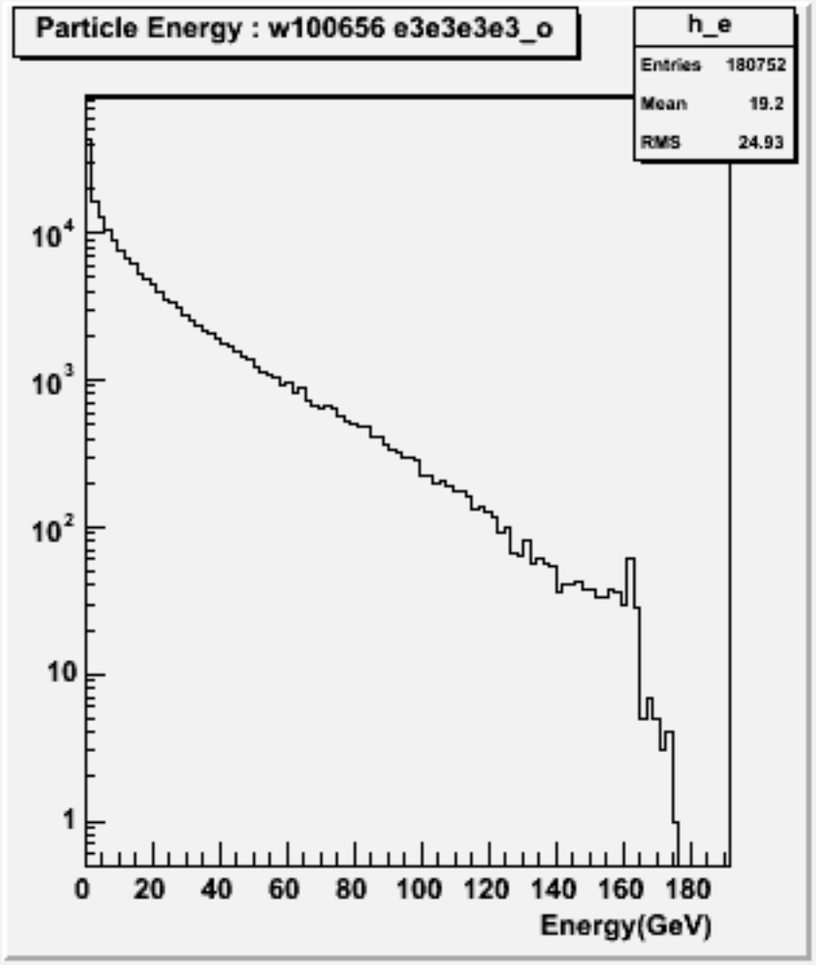

Ycut for 4-jets :w100653 e2e2bb_o
h_yc4j
Entries 31276
Mean 0.01663
RMS 0.0317
ycut for forced 4-jets

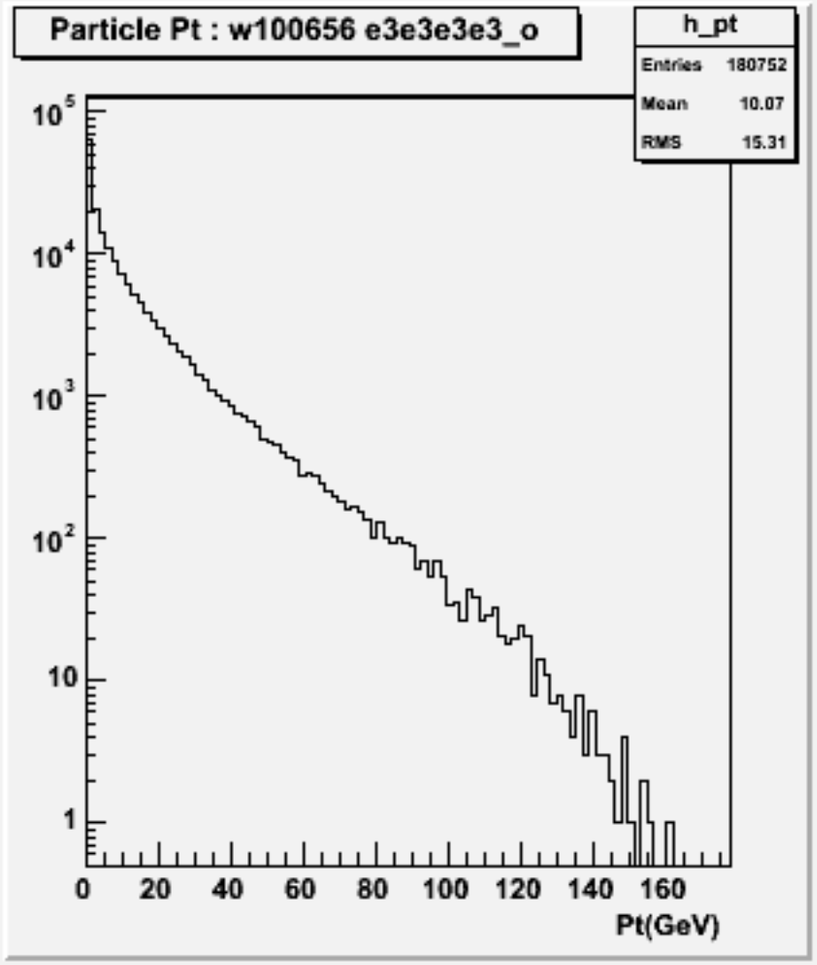

Jet energies(All jets)w100653 e2e2bb_o
ha_j0e
Entries 125104
Mean 83.74
RMS 54.71
E(Jet)

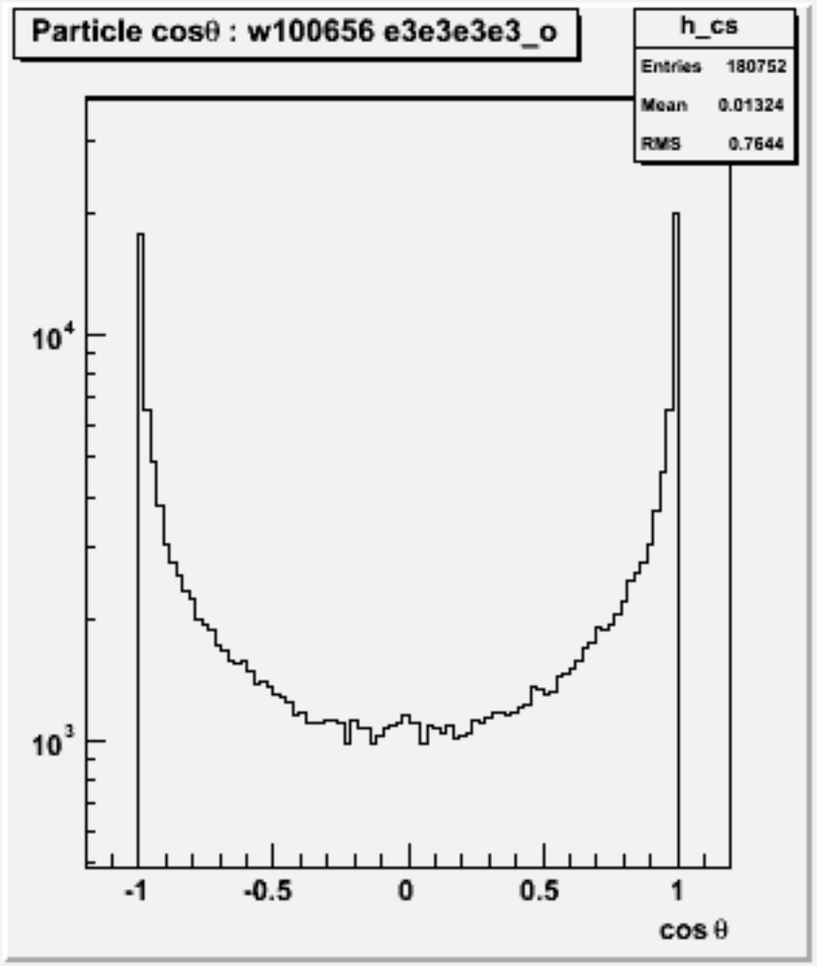

Jet cos θ (All jets)w100653 e2e2bb_o
ha_j0cs
Entries 125104
Mean 0.07774
RMS 0.7982
cos θ

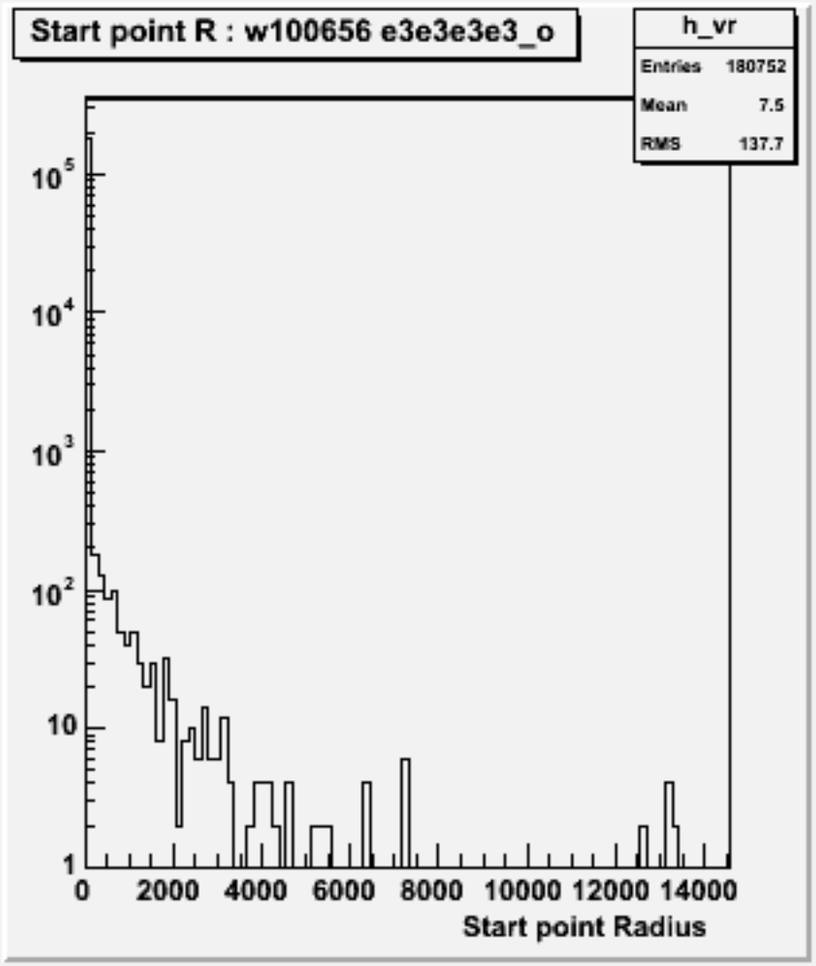

2jets mass(All comb)w100653 e2e2bb_o
ha_m01
Entries 187656
Mean 113.2
RMS 82.08
M(J_iJ_k) (GeV)

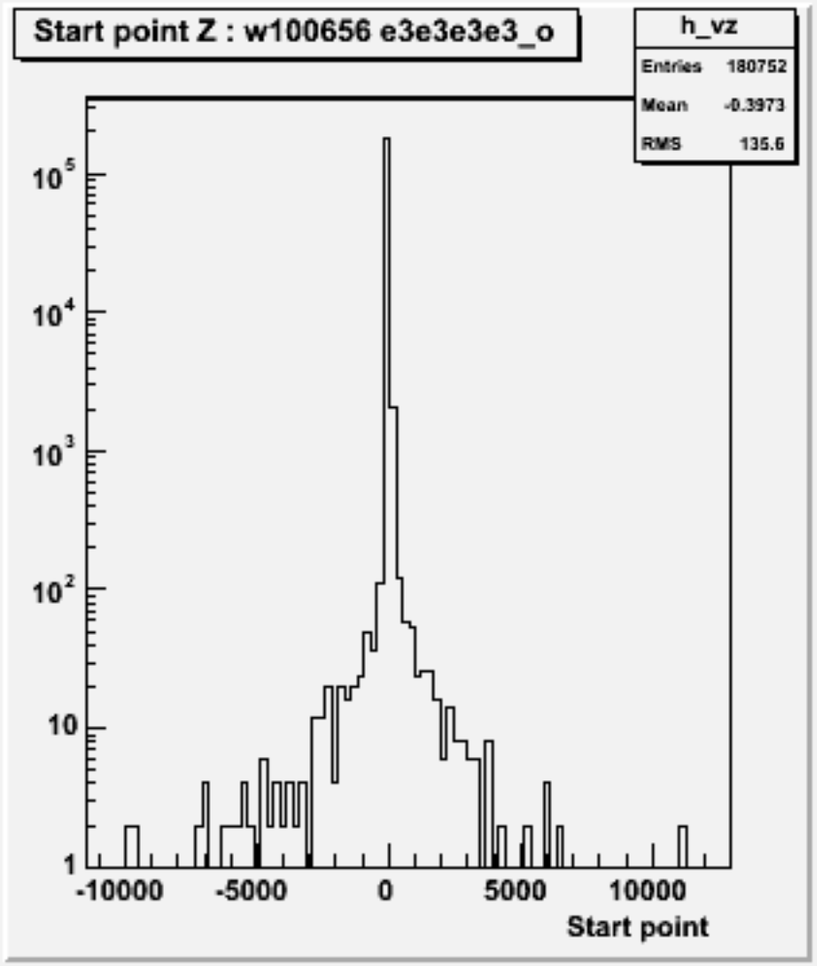

Particle ID : w100656 e3e3e3e3_o
h_id
Entries 180752
Mean 9.192
RMS 99.75
10^5
10^4
10^3
-300 -200 -100 0 100 200 300
Particle ID

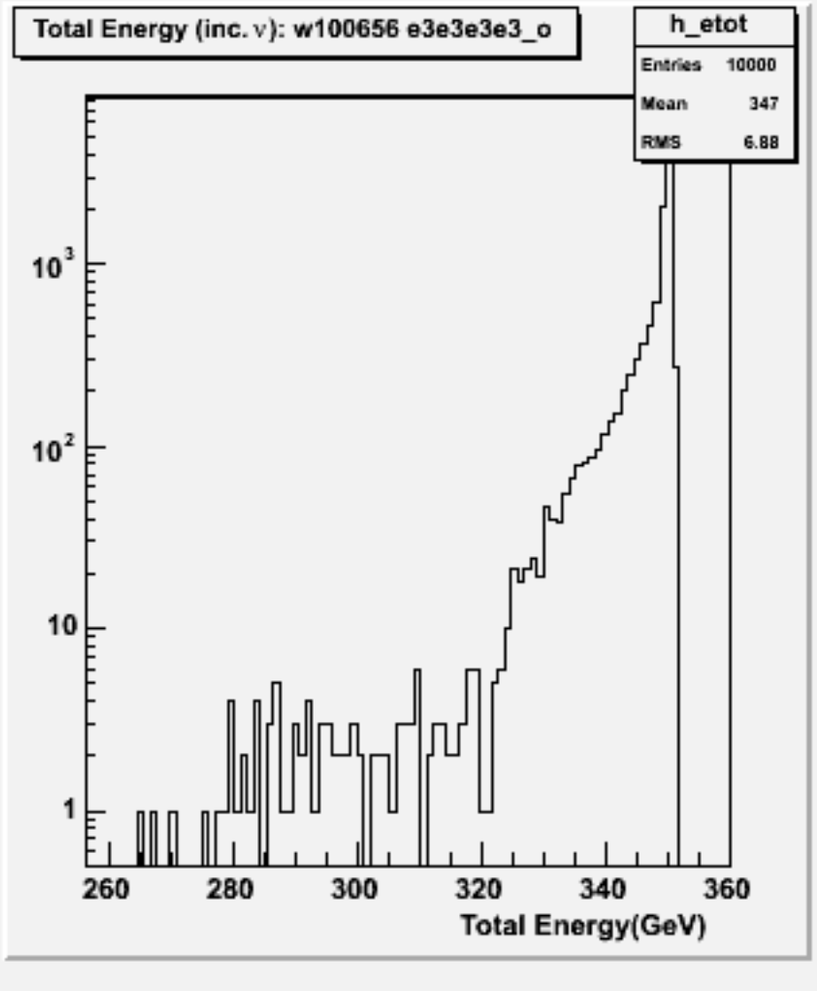

Particle Energy : w100656 e3e3e3e3_o
h_e
Entries 180752
Mean 19.2
RMS 24.93
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

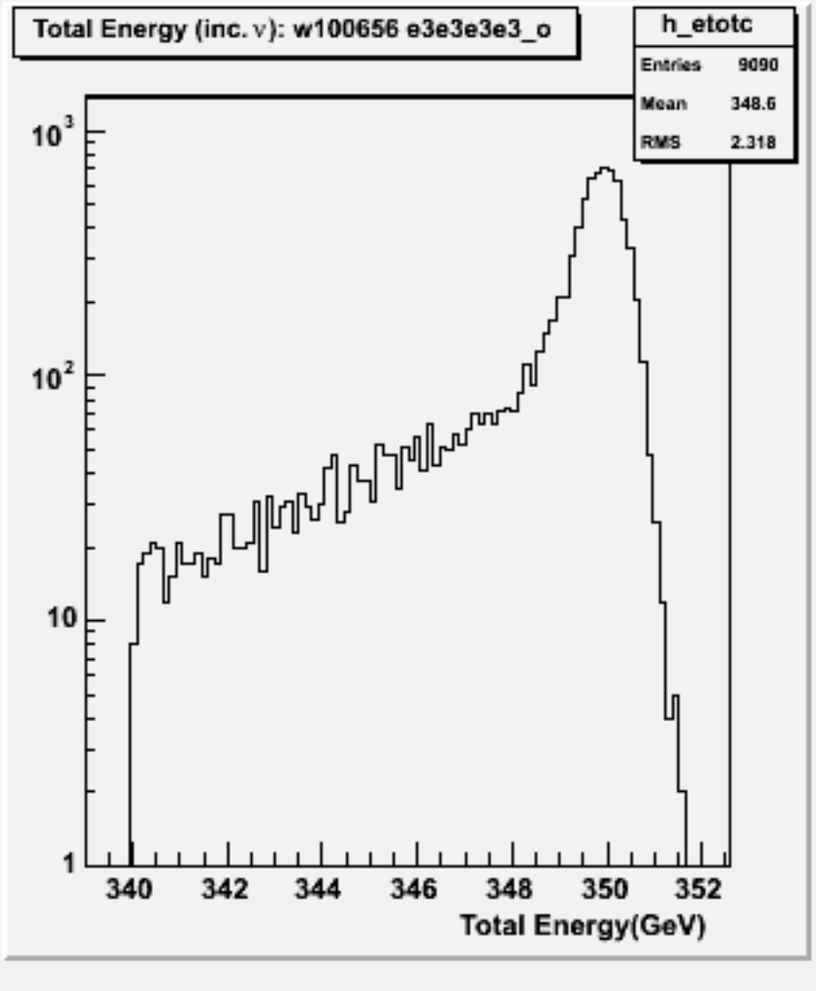

Particle Pt : w100656 e3e3e3e3_o
h_pt
Entries 180752
Mean 10.07
RMS 15.31
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160
Pt(GeV)

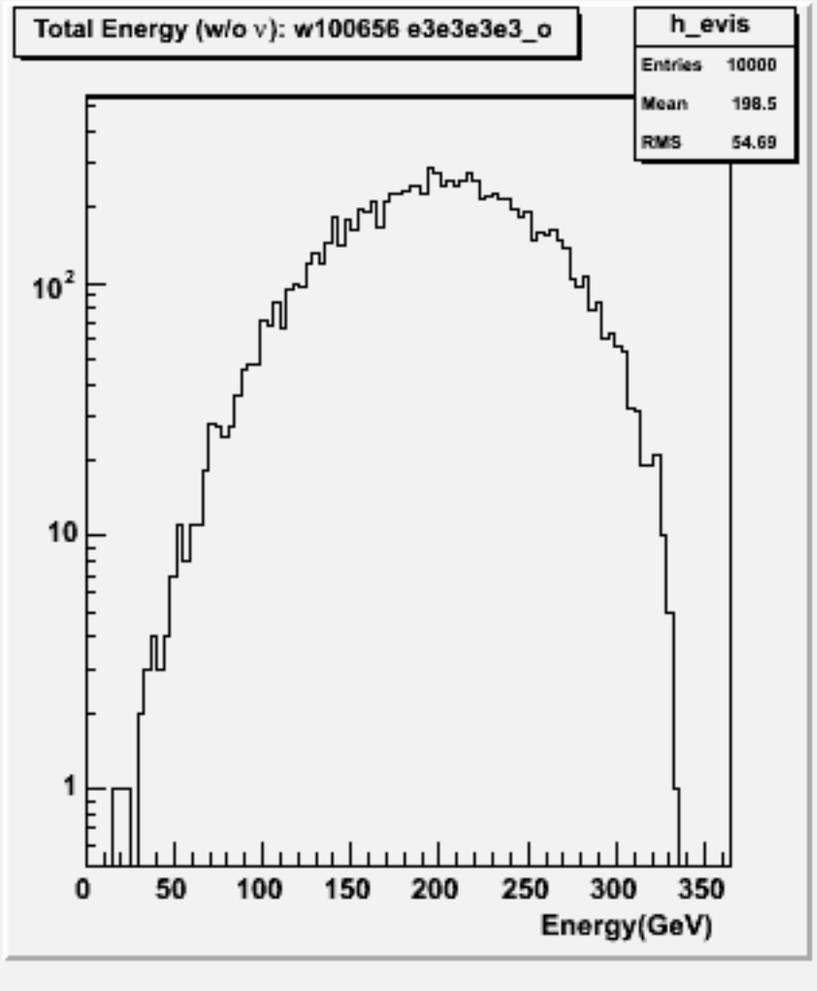

Particle cosθ : w100656 e3e3e3e3_o
h_cs
Entries 180752
Mean 0.01324
RMS 0.7644
10^4
10^3
-1 -0.5 0 0.5 1
cos θ

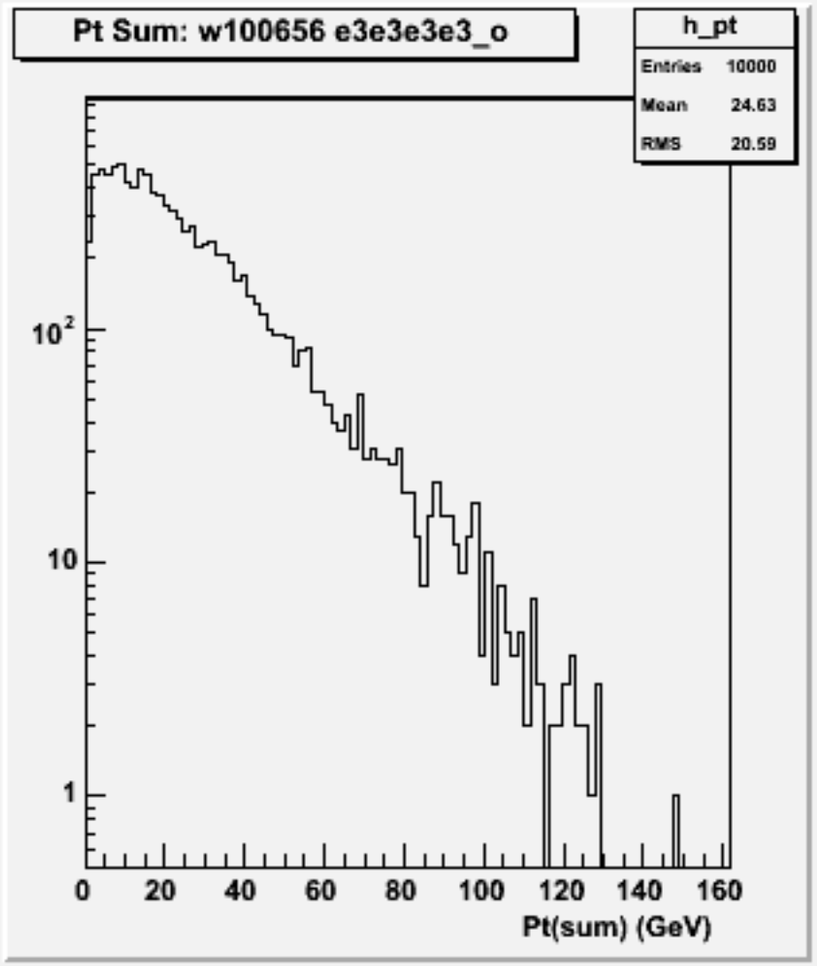

Start point R : w100656 e3e3e3e3_o
h_vr
Entries 180752
Mean 7.5
RMS 137.7
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000
Start point Radius

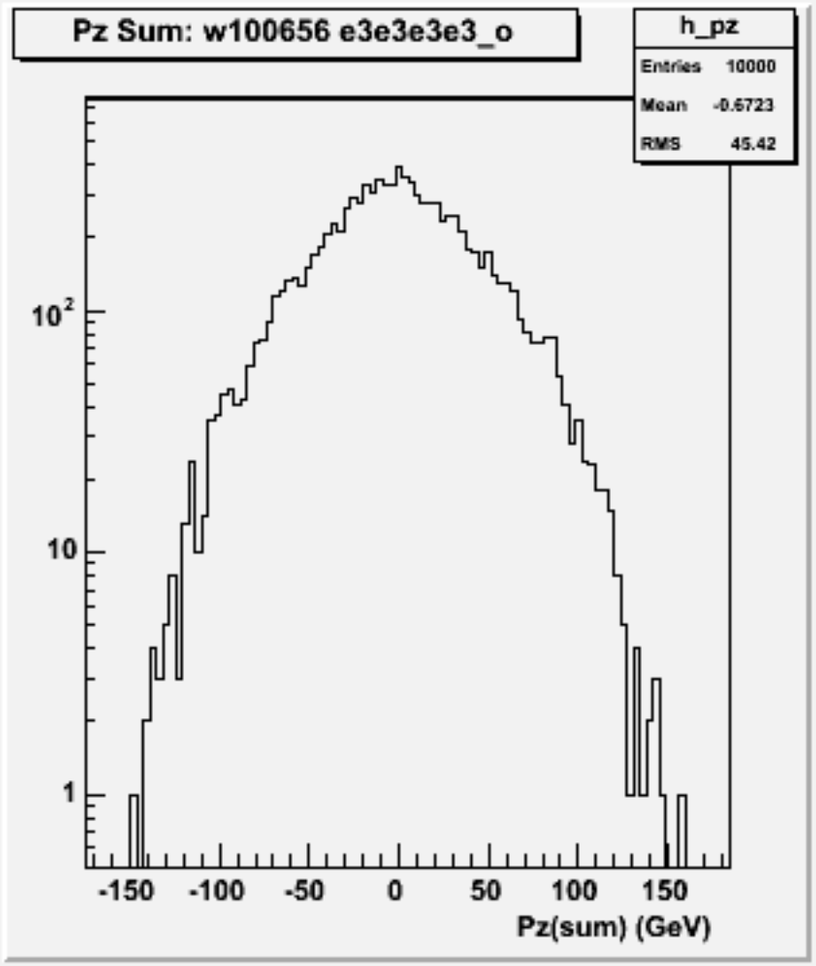

Start point Z : w100656 e3e3e3e3_o
h_vz
Entries 180752
Mean -0.3973
RMS 135.6
10^5
10^4
10^3
10^2
10
1
-10000 -5000 0 5000 10000
Start point

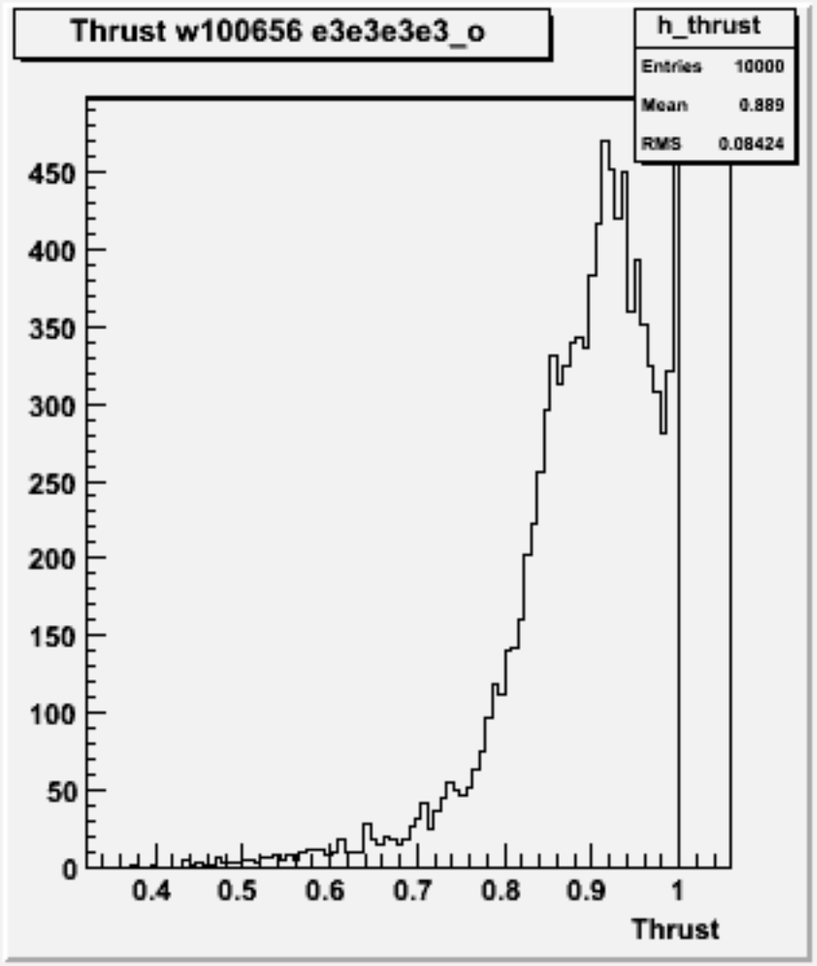

Total Energy (inc. ν): w100656 e3e3e3e3_o
h_etot
Entries 10000
Mean 347
RMS 6.88
Total Energy(GeV)

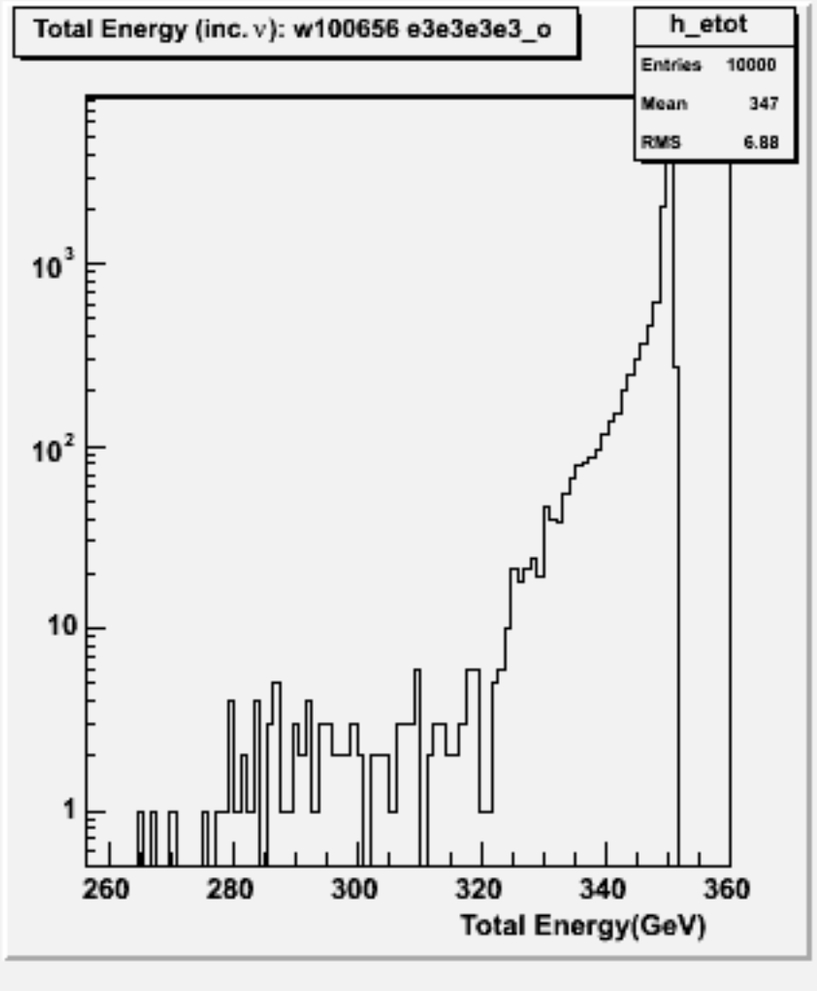

Total Energy (inc. ν): w100656 e3e3e3e3_o
h_etotc
Entries 9090
Mean 348.6
RMS 2.318
Total Energy(GeV)

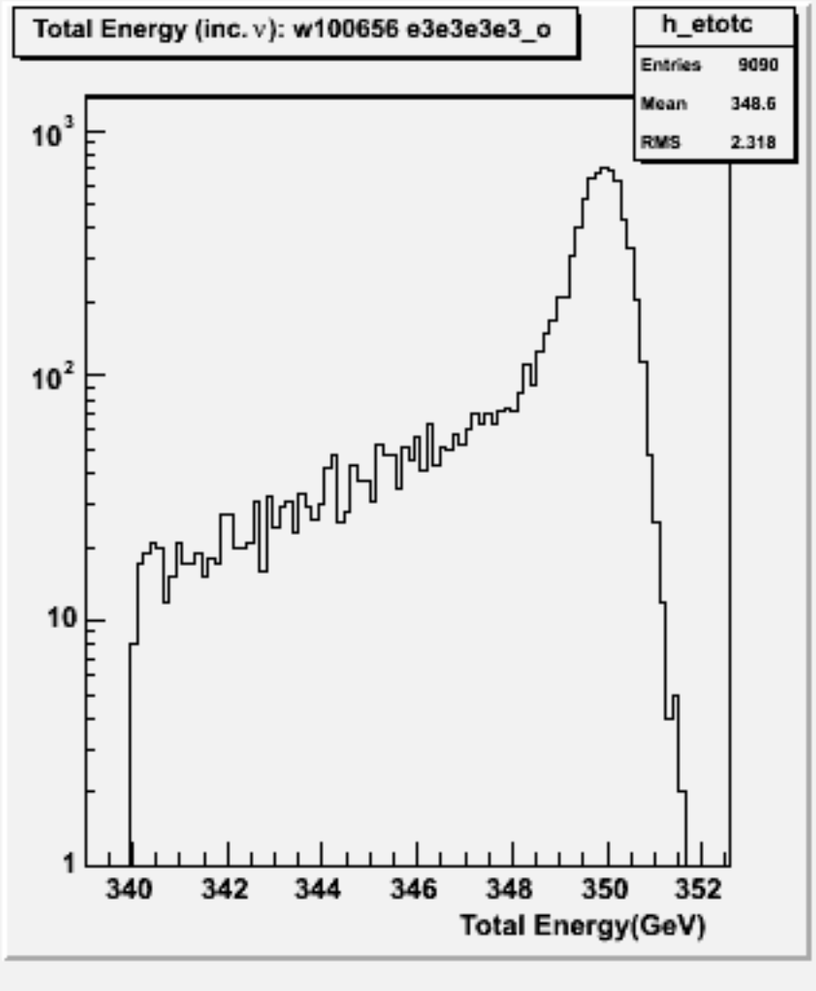

Total Energy (w/o ν): w100656 e3e3e3e3_o
h_evis
Entries 10000
Mean 198.5
RMS 54.69
Energy(GeV)

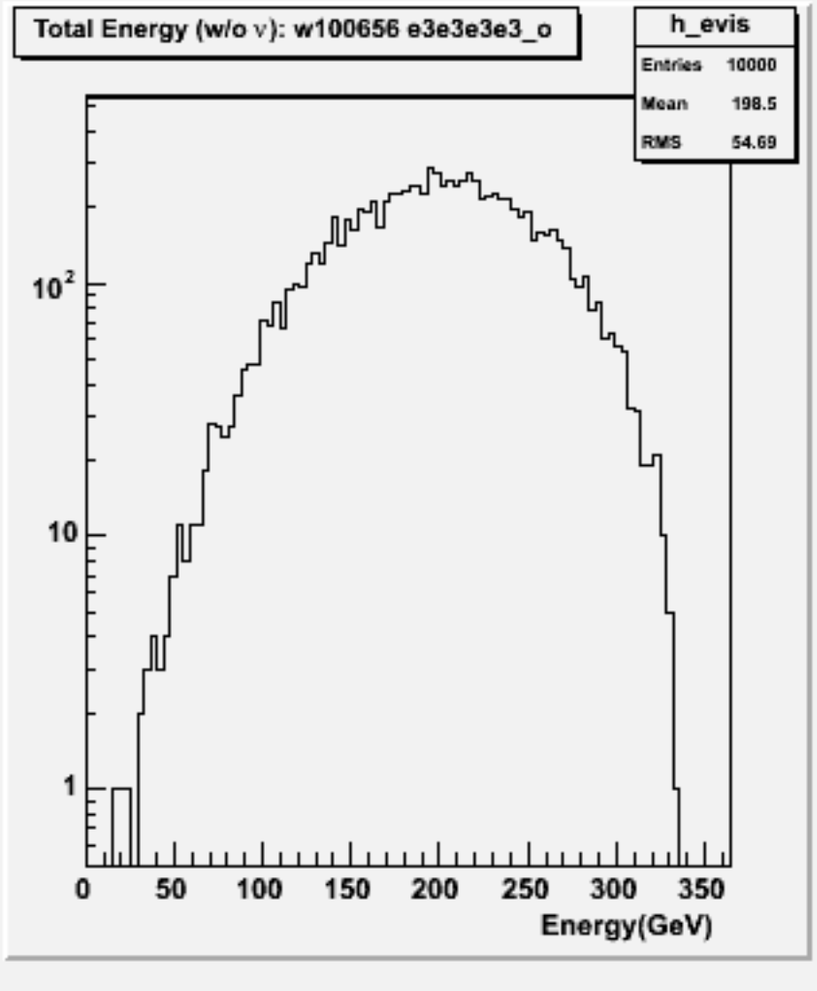

Pt Sum: w100656 e3e3e3e3_o
h_pt
Entries 10000
Mean 24.63
RMS 20.59
Pt(sum) (GeV)

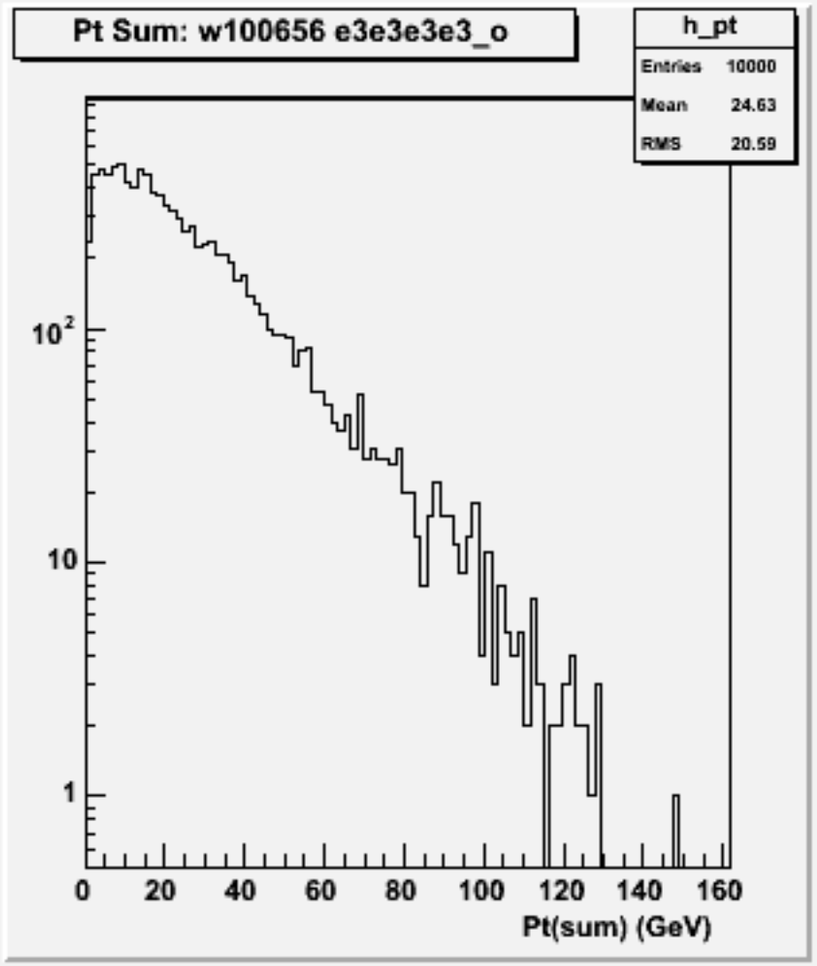

Pz Sum: w100656 e3e3e3e3_o
h_pz
Entries 10000
Mean -0.6723
RMS 45.42
Pz(sum) (GeV)

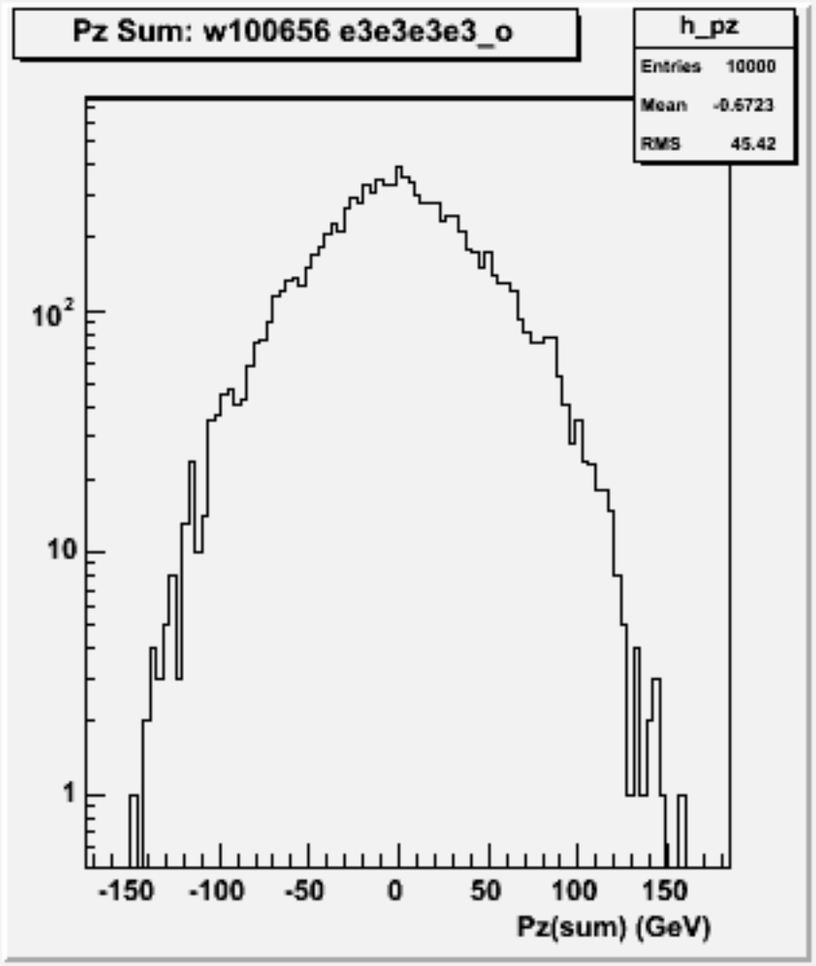

Thrust w100656 e3e3e3e3_o
h_thrust
Entries 10000
Mean 0.889
RMS 0.08424
Thrust

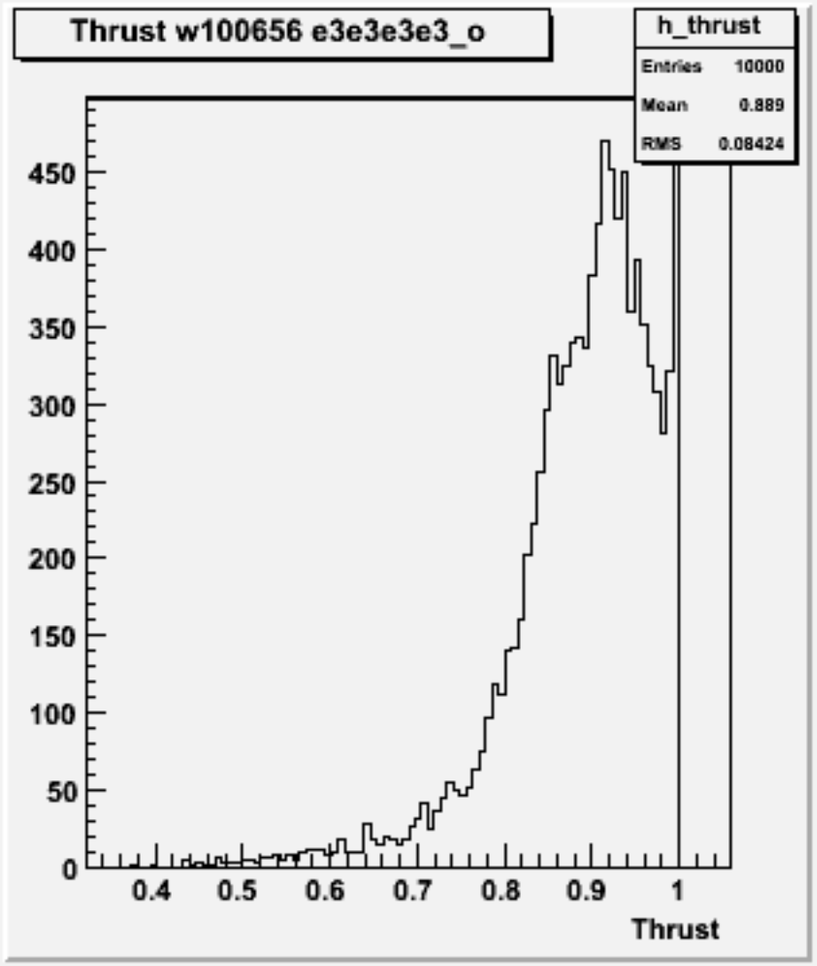

Total Energy (inc. ν): w100656 e3e3e3e3_o
h_etot
Entries 10000
Mean 347
RMS 6.88
Total Energy(GeV)

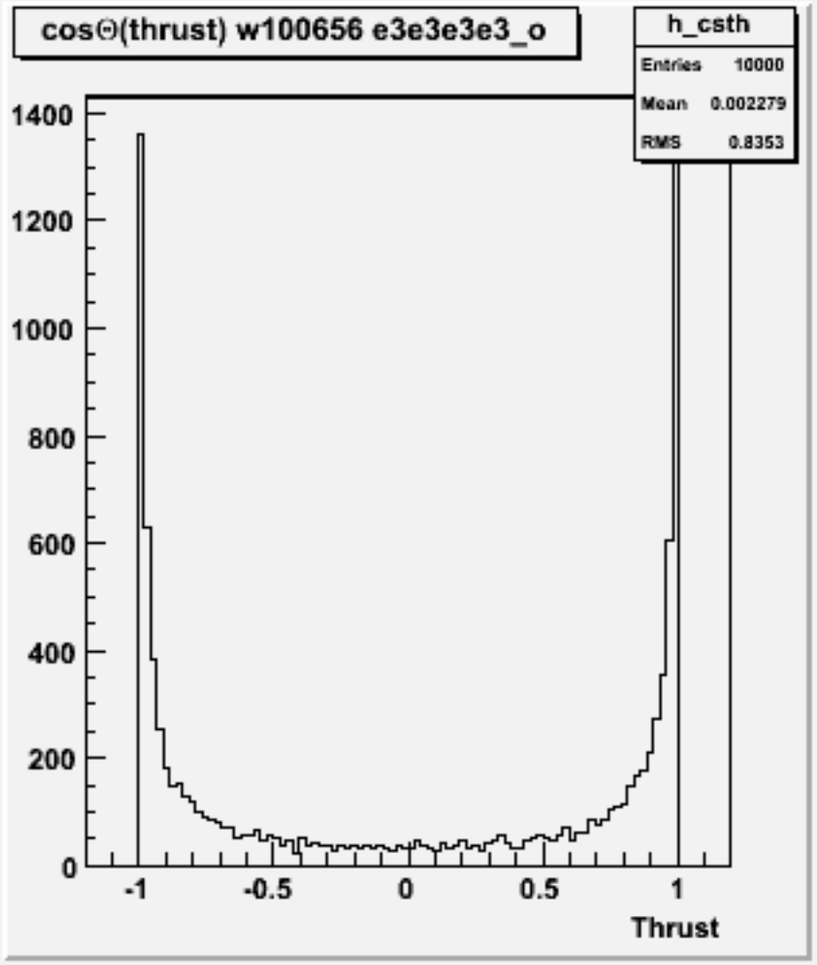

Total Energy (inc. ν): w100656 e3e3e3e3_o
h_etotc
Entries 9090
Mean 348.6
RMS 2.318
Total Energy(GeV)

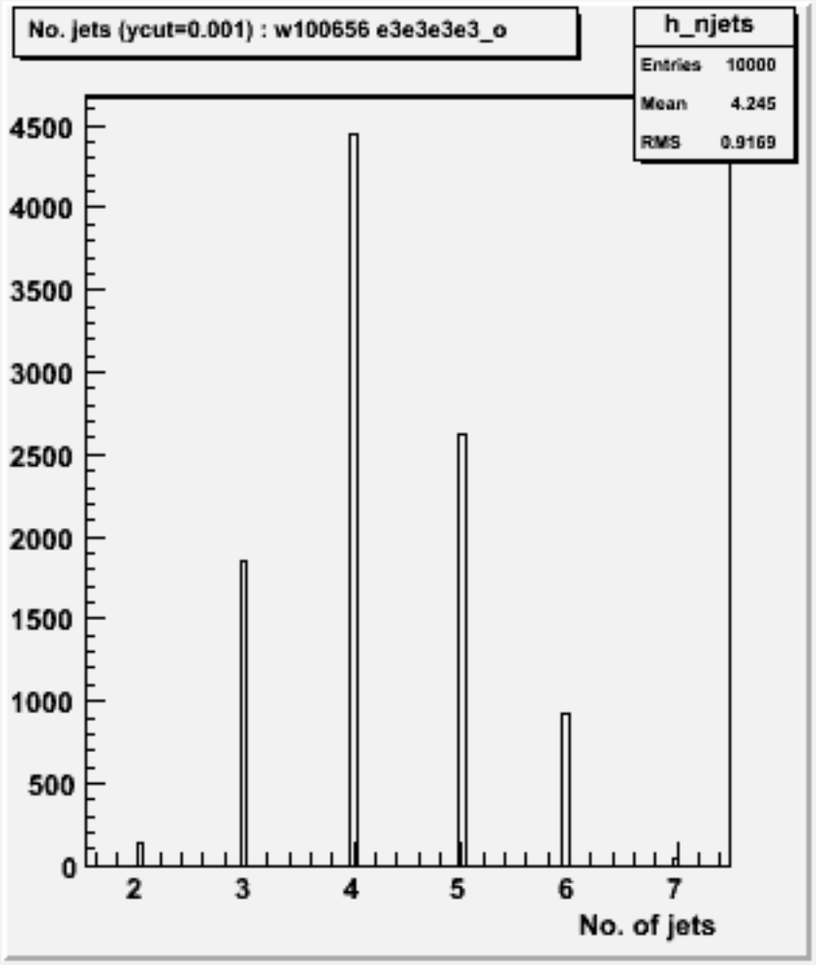

Total Energy (w/o ν): w100656 e3e3e3e3_o
h_evis
Entries 10000
Mean 198.5
RMS 54.69
Energy(GeV)

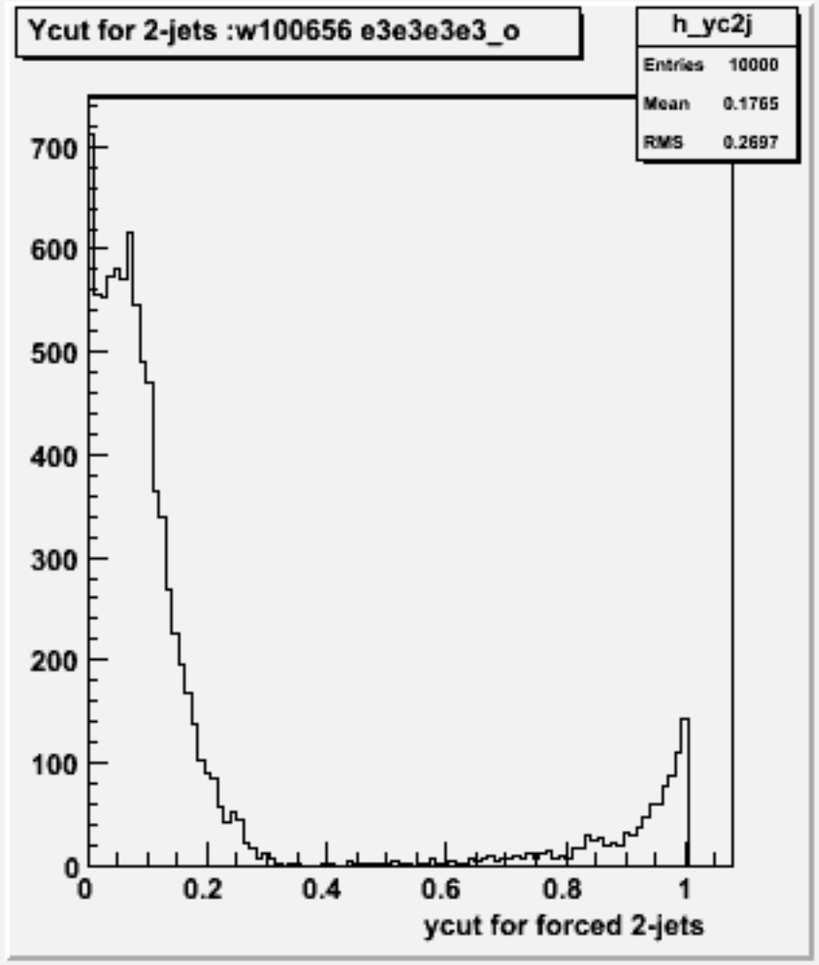

Pt Sum: w100656 e3e3e3e3_o
h_pt
Entries 10000
Mean 24.63
RMS 20.59
Pt(sum) (GeV)

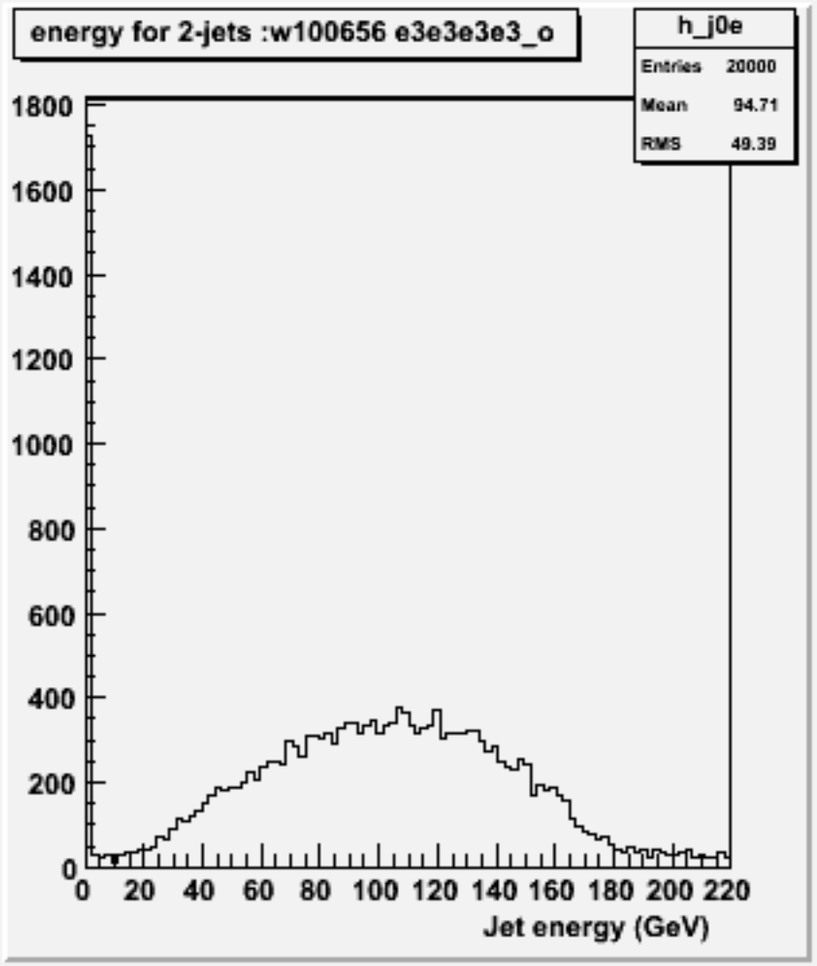

Pz Sum: w100656 e3e3e3e3_o
h_pz
Entries 10000
Mean -0.6723
RMS 45.42
Pz(sum) (GeV)

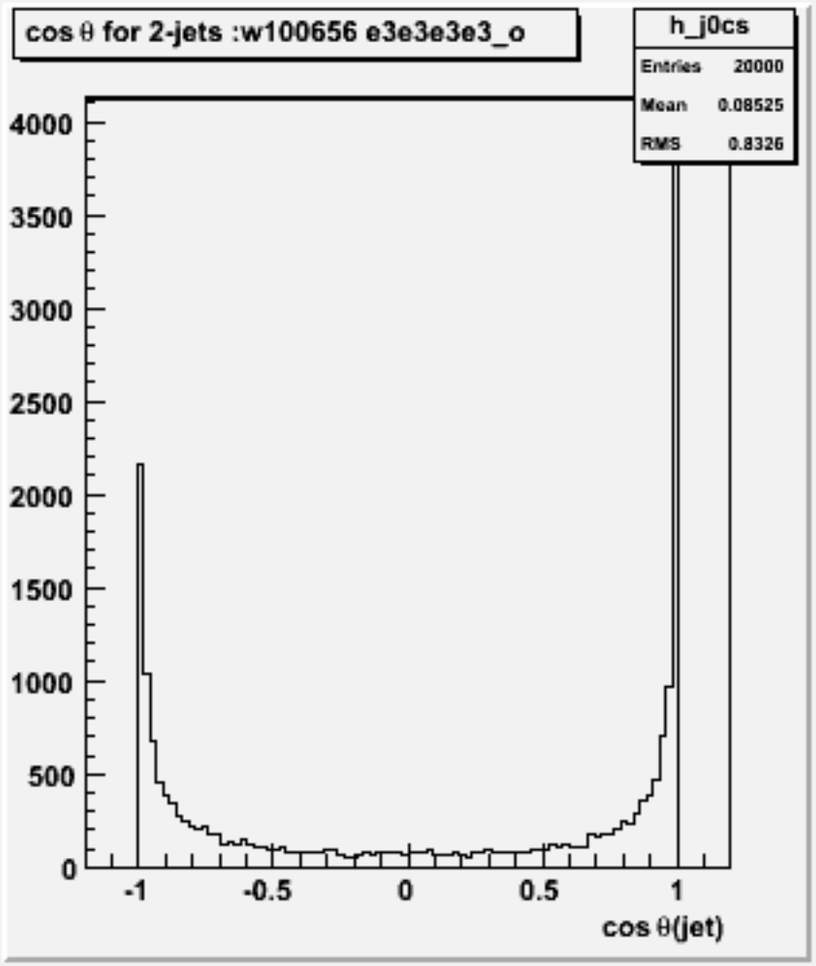

Thrust w100656 e3e3e3e3_o
h_thrust
Entries 10000
Mean 0.889
RMS 0.08424
Thrust

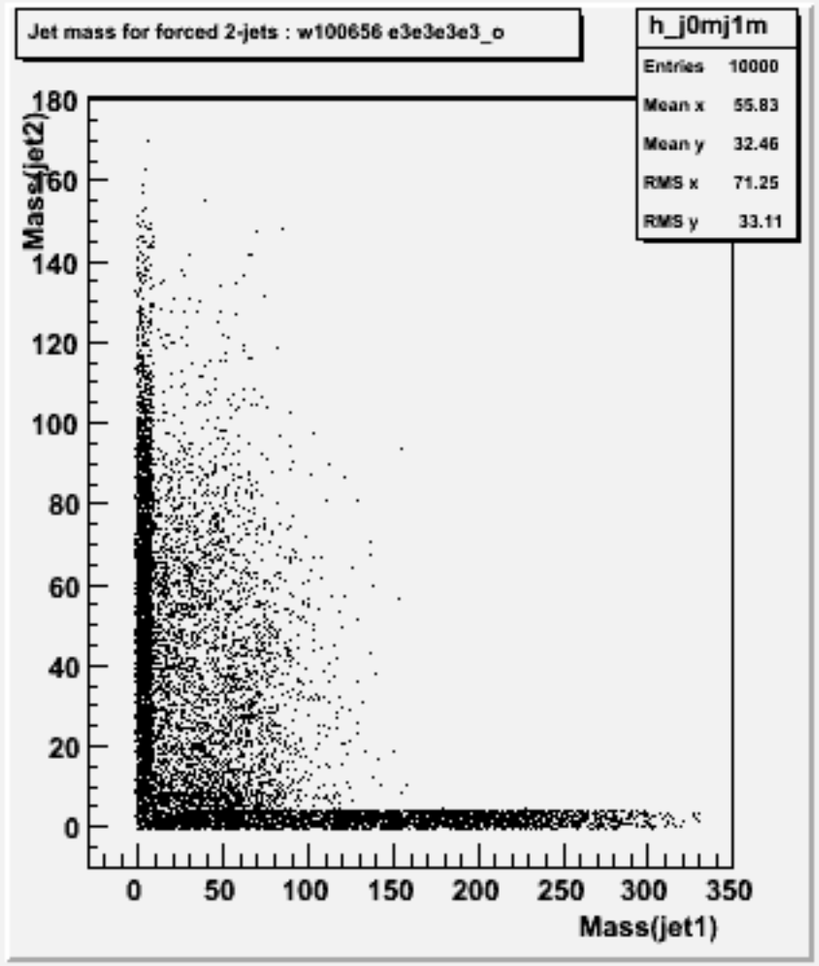

cosΘ(thrust) w100656 e3e3e3e3_o
h_csth
Entries 10000
Mean 0.002279
RMS 0.8353
Thrust

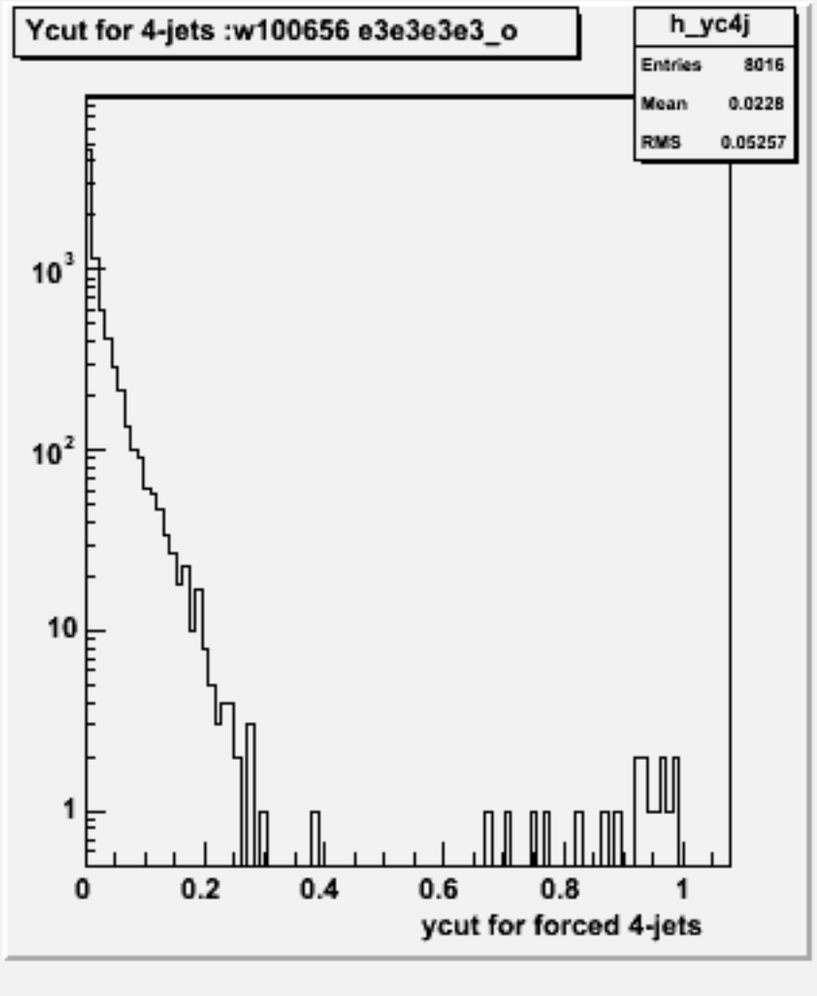

No. jets (ycut=0.001) : w100656 e3e3e3e3_o
h_njets
Entries 10000
Mean 4.245
RMS 0.9169
No. of jets

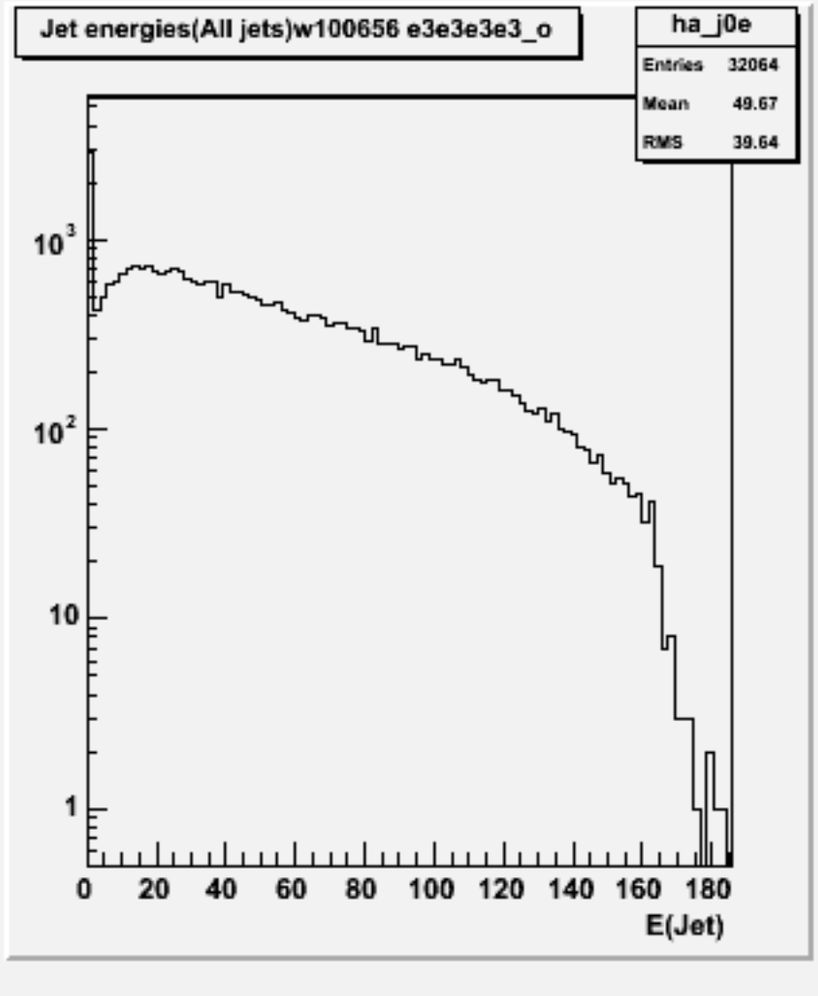

Ycut for 2-jets :w100656 e3e3e3e3_o
h_yc2j
Entries 10000
Mean 0.1765
RMS 0.2697
ycut for forced 2-jets

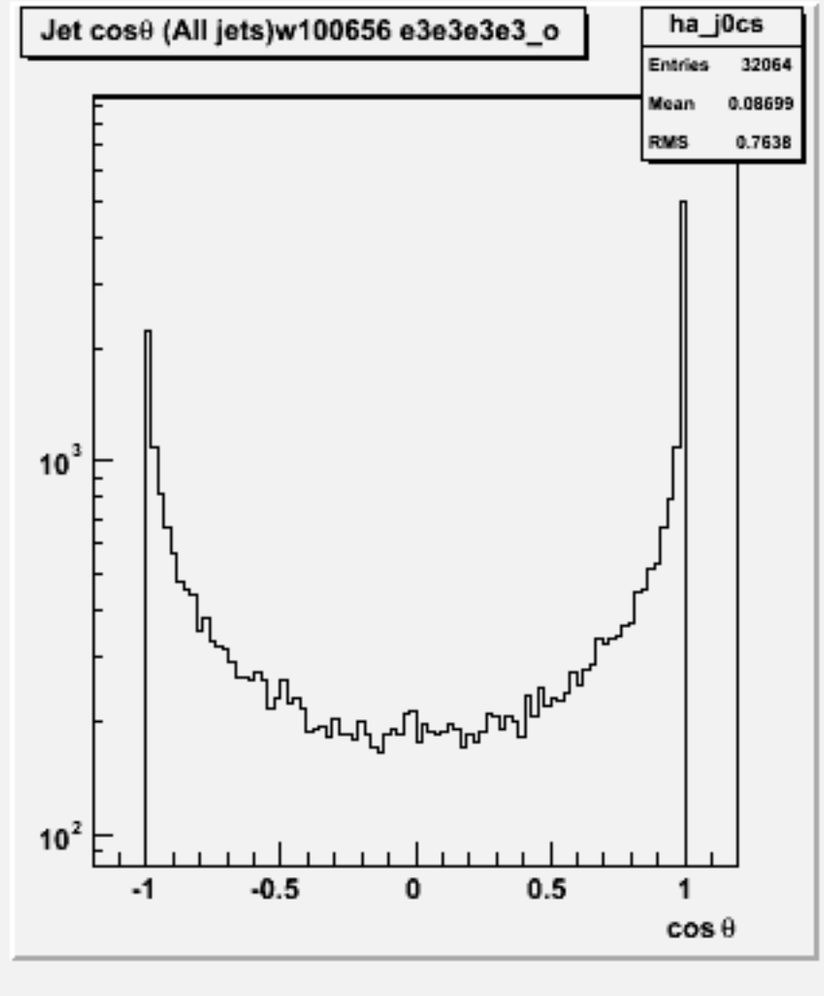

energy for 2-jets :w100656 e3e3e3e3_o
h_j0e
Entries 20000
Mean 94.71
RMS 49.39
Jet energy (GeV)

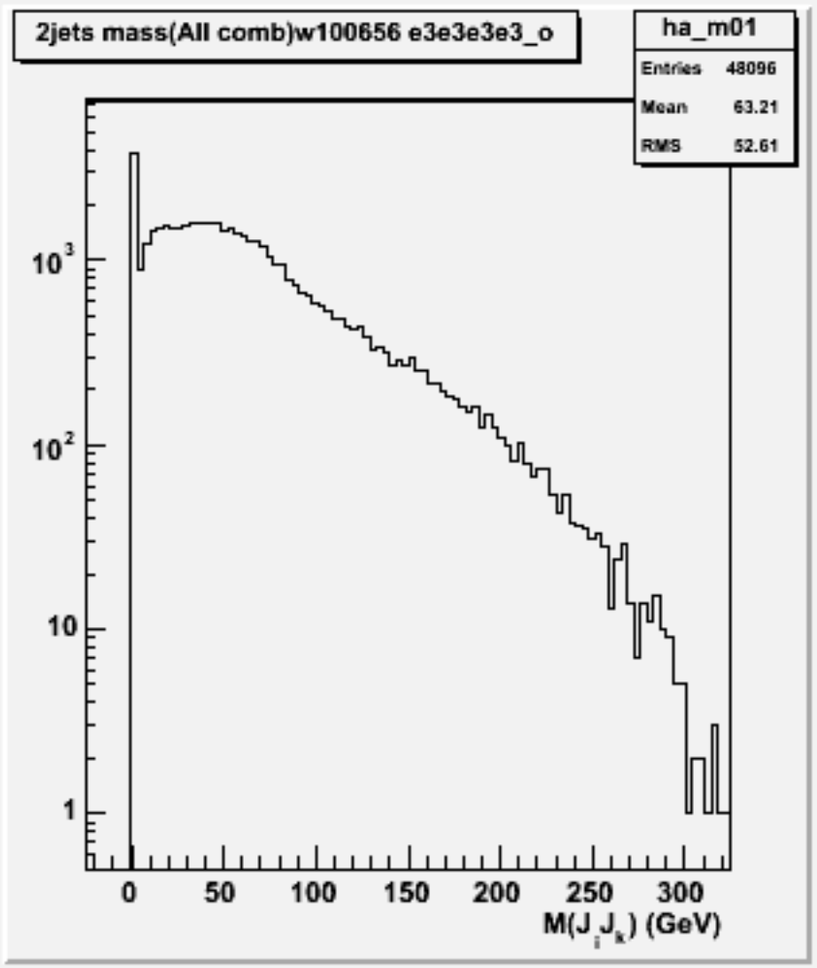

cos θ for 2-jets :w100656 e3e3e3e3_o
h_j0cs
Entries 20000
Mean 0.08525
RMS 0.8326
cos θ(jet)

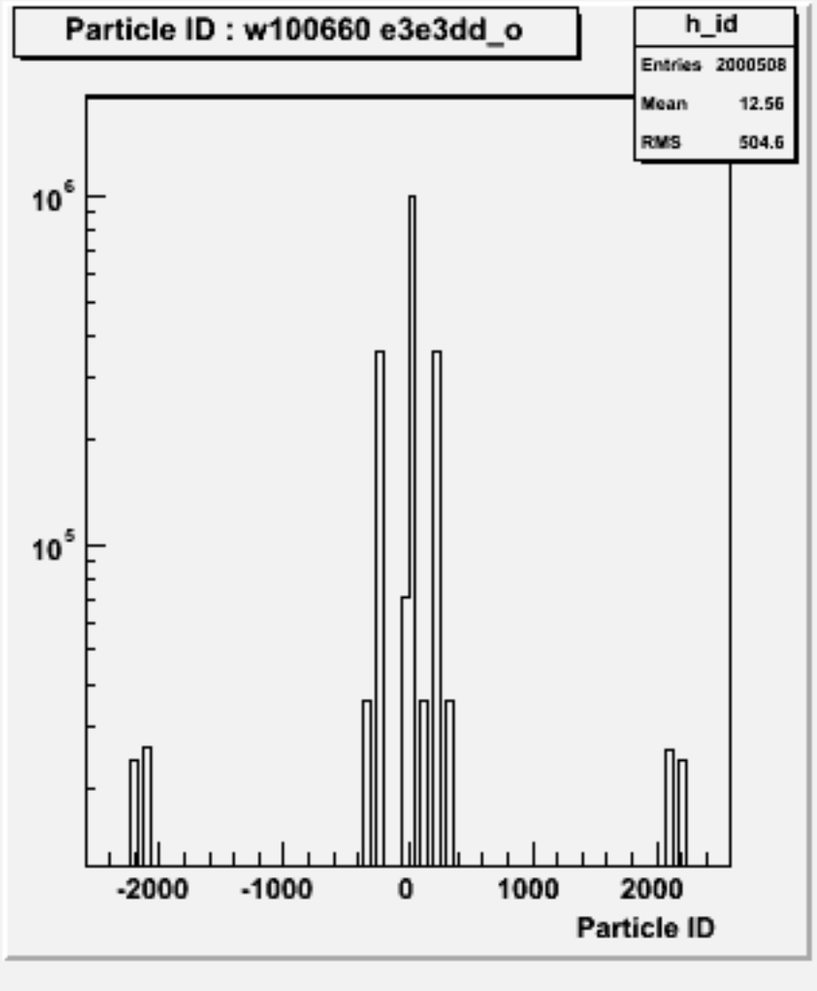

Jet mass for forced 2-jets : w100656 e3e3e3e3_o
h_j0mj1m
Entries 10000
Mean x 55.83
Mean y 32.46
RMS x 71.25
RMS y 33.11
Mass(jet2)
Mass(jet1)

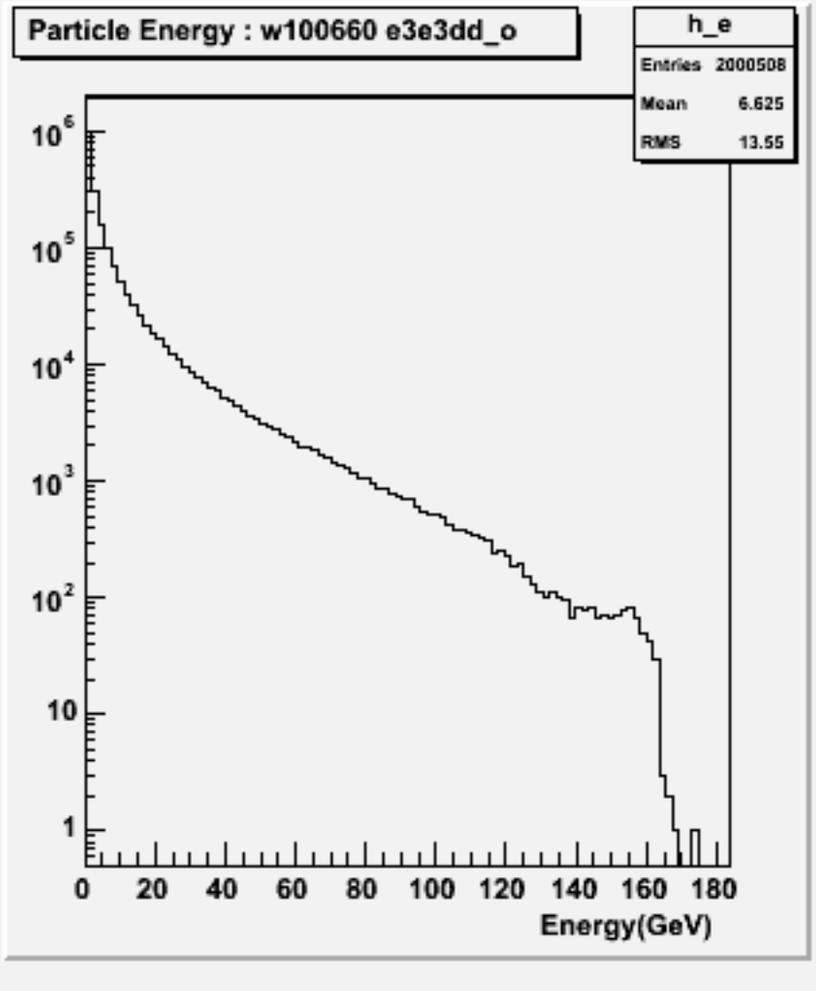

Ycut for 4-jets :w100656 e3e3e3e3_o
h_yc4j
Entries 8016
Mean 0.0228
RMS 0.05257
ycut for forced 4-jets

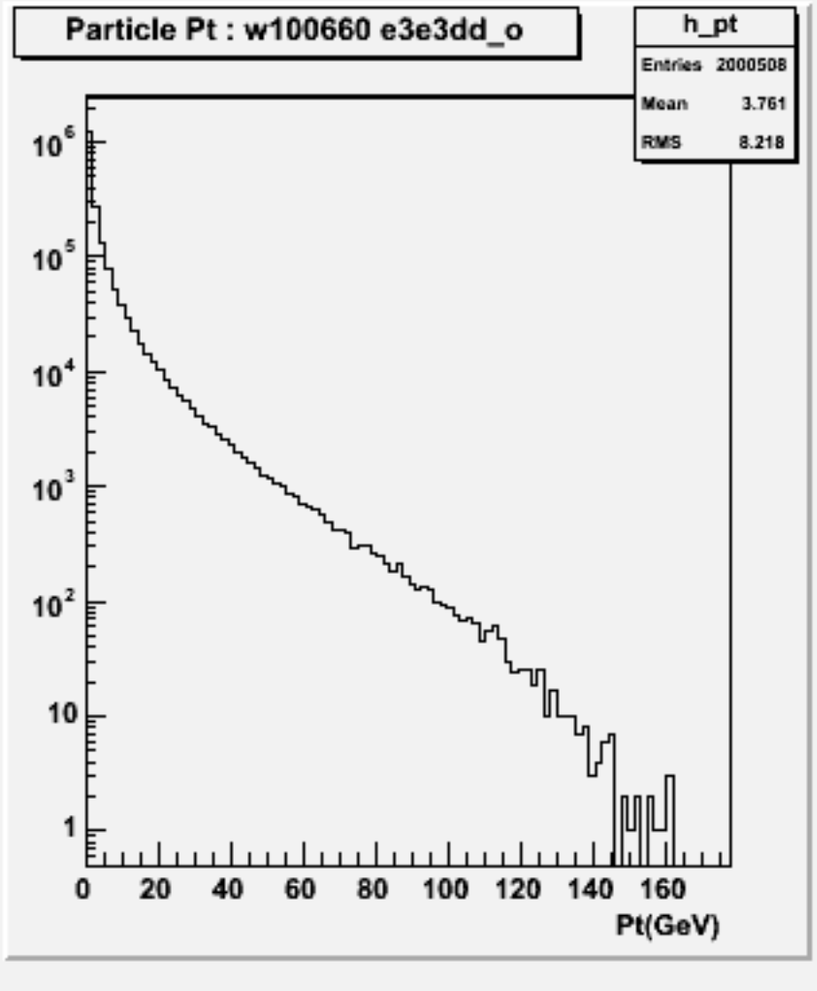

Jet energies(All jets)w100656 e3e3e3e3_o
ha_j0e
Entries 32064
Mean 49.67
RMS 39.64
E(Jet)

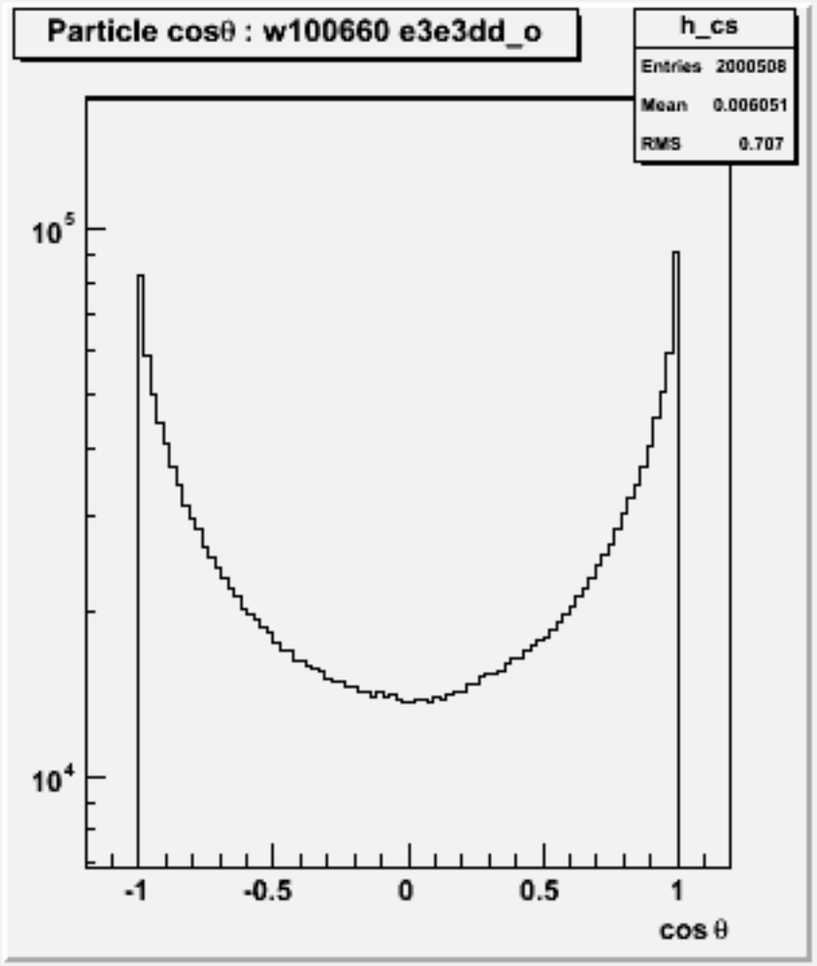

Jet cosθ (All jets)w100656 e3e3e3e3_o
ha_j0cs
Entries 32064
Mean 0.08699
RMS 0.7638
cos θ

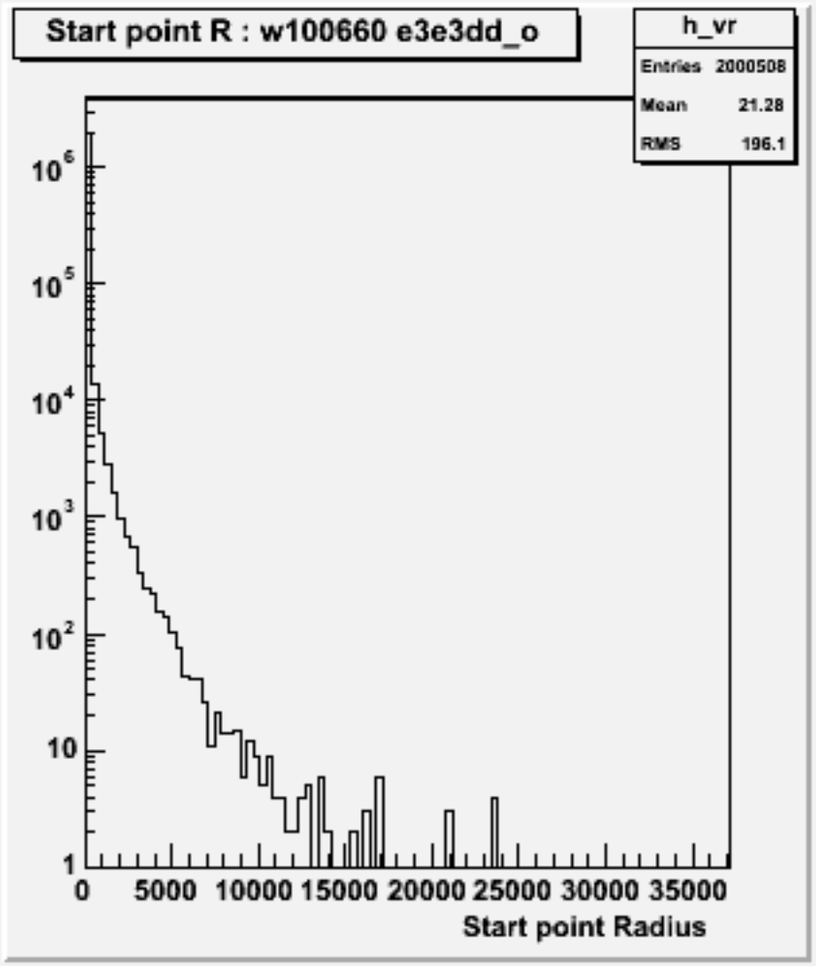

2jets mass(All comb)w100656 e3e3e3e3_o
ha_m01
Entries 48096
Mean 63.21
RMS 52.61
M(J_iJ_k) (GeV)

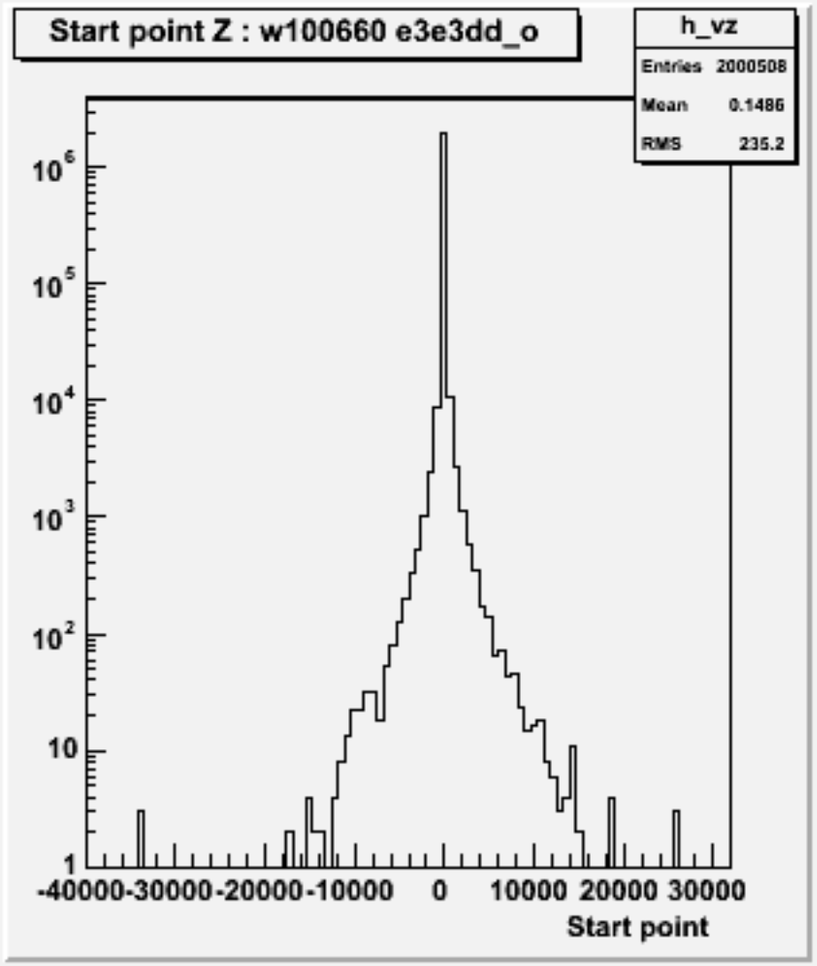

Particle ID : w100660 e3e3dd_o
h_id
Entries 2000508
Mean 12.56
RMS 504.6
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

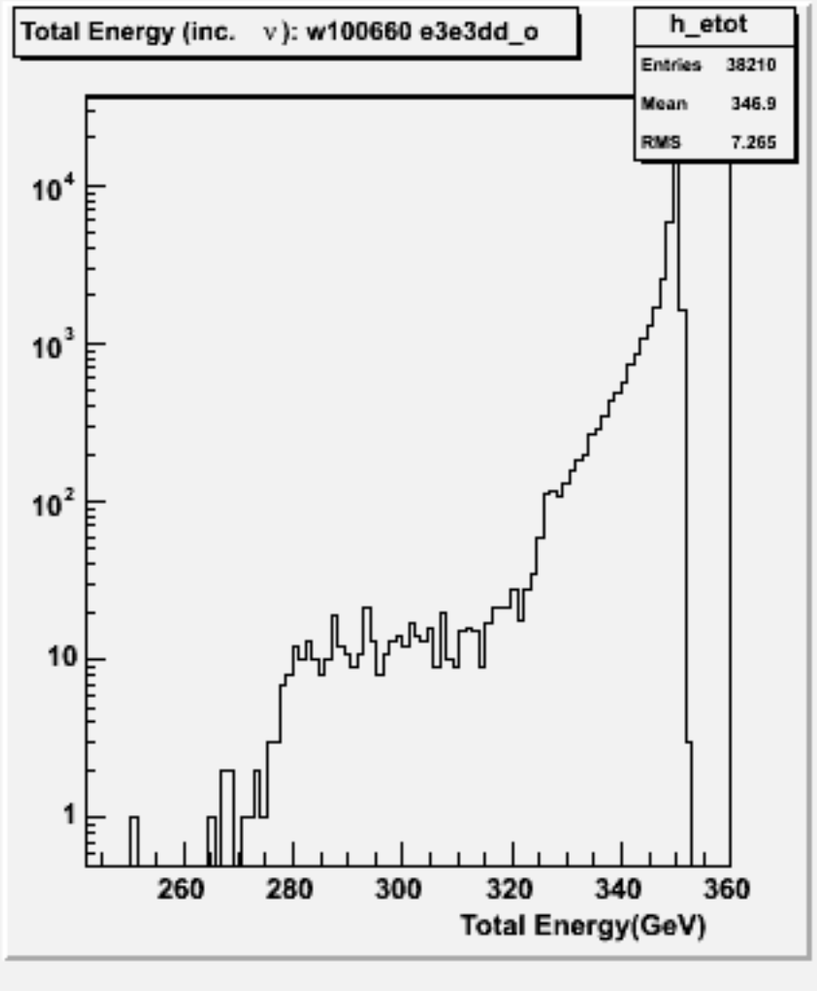

Particle Energy : w100660 e3e3dd_o
h_e
Entries 2000508
Mean 6.625
RMS 13.55
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
180
Energy(GeV)

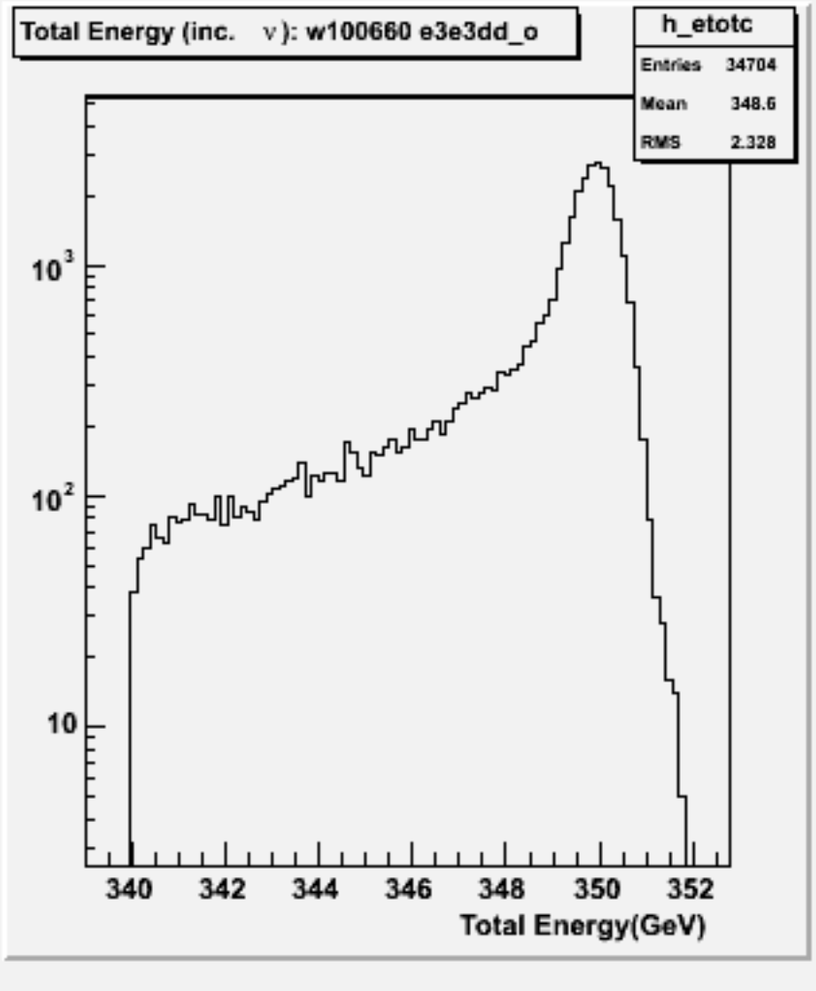

Particle Pt : w100660 e3e3dd_o
h_pt
Entries 2000508
Mean 3.761
RMS 8.218
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Pt(GeV)

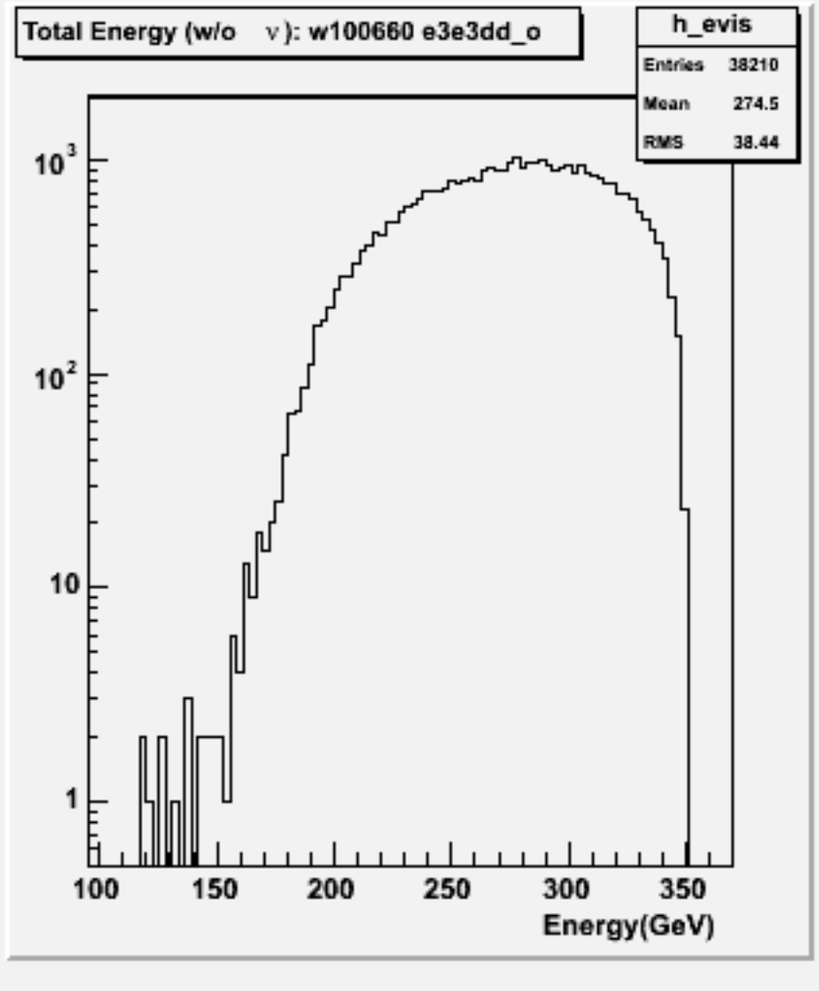

Particle cosθ : w100660 e3e3dd_o
h_cs
Entries 2000508
Mean 0.006051
RMS 0.707
10^5
10^4
-1
-0.5
0
0.5
1
cos θ

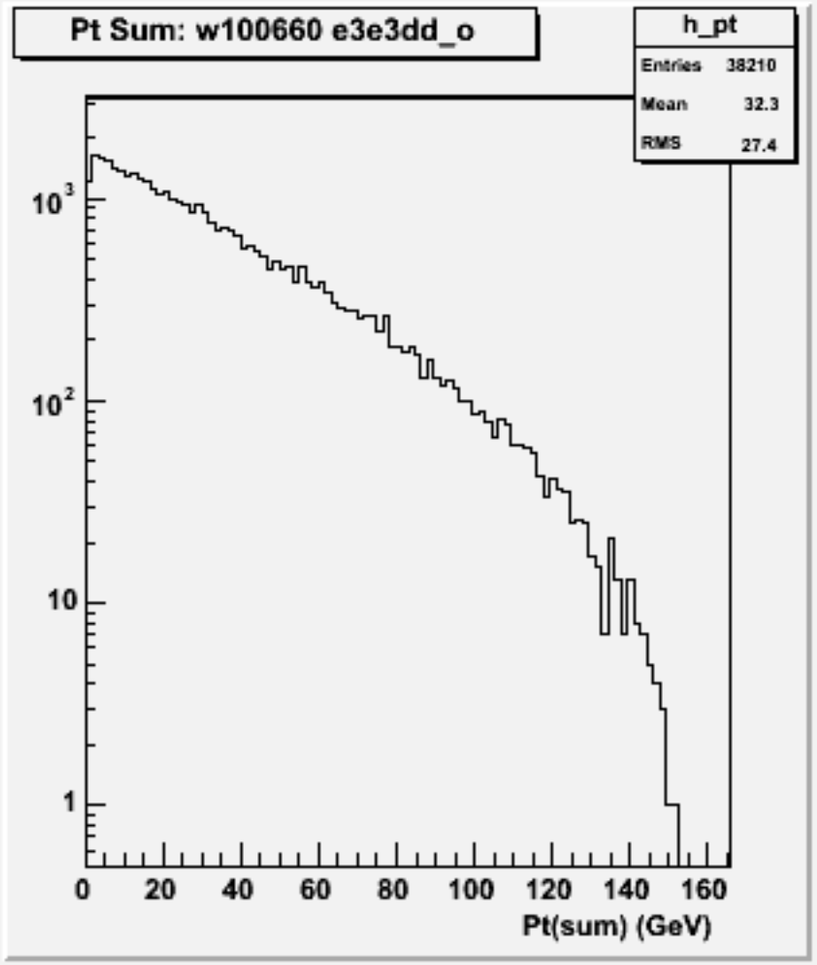

Start point R : w100660 e3e3dd_o
h_vr
Entries 2000508
Mean 21.28
RMS 196.1
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
Start point Radius

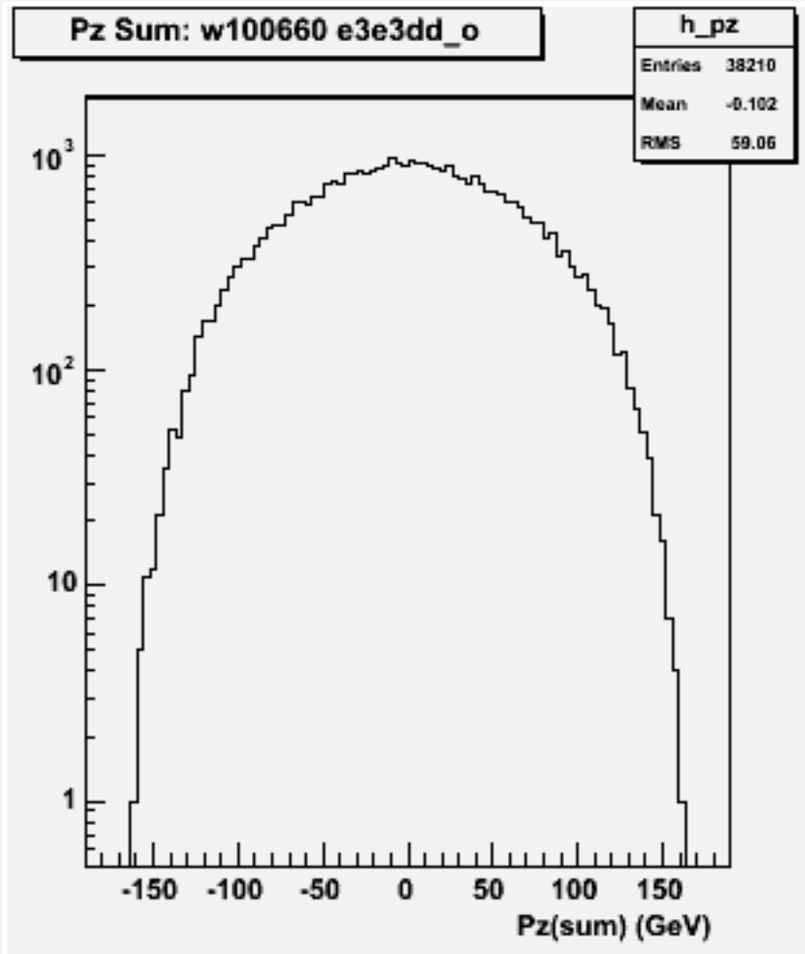

Start point Z : w100660 e3e3dd_o
h_vz
Entries 2000508
Mean 0.1486
RMS 235.2
10^6
10^5
10^4
10^3
10^2
10
1
-40000
-30000
-20000
-10000
0
10000
20000
30000
Start point

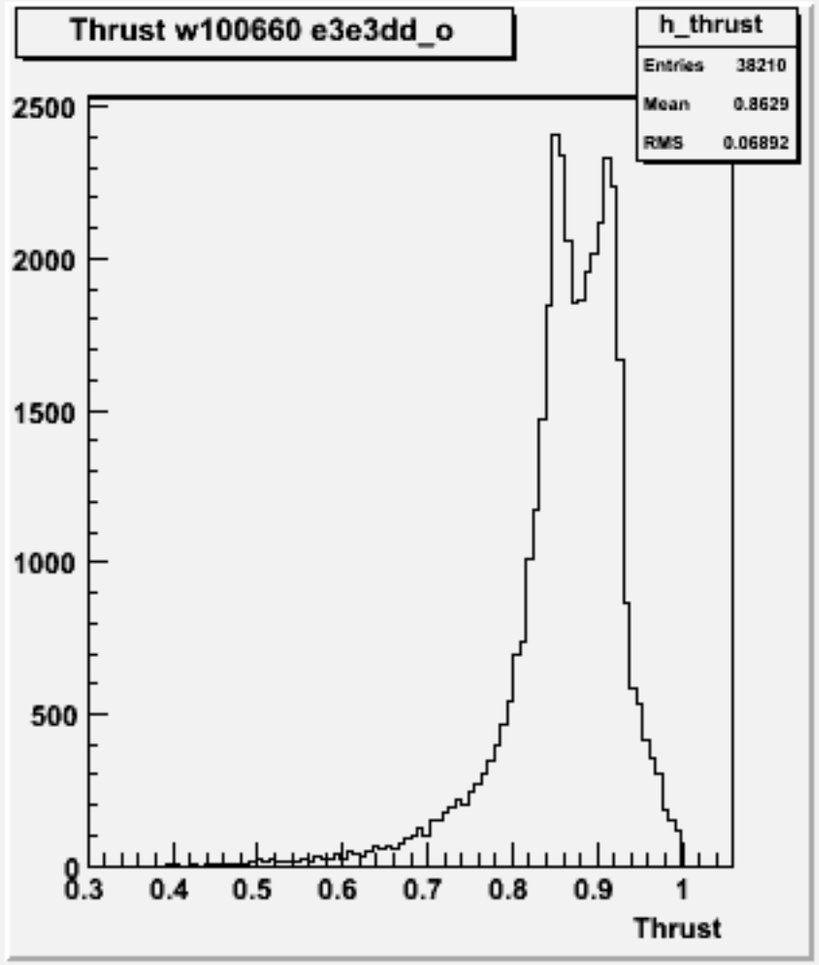

Total Energy (inc. ν): w100660 e3e3dd_o
h_etot
Entries 38210
Mean 346.9
RMS 7.265
Total Energy(GeV)

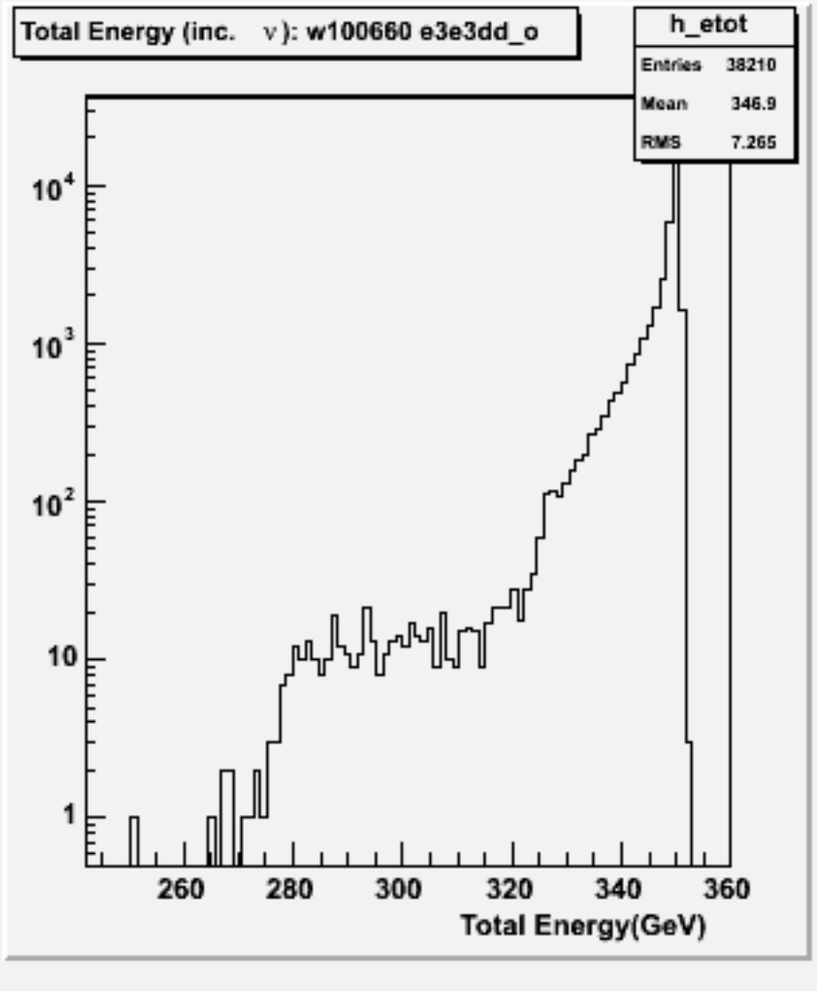

Total Energy (inc. ν): w100660 e3e3dd_o
h_etotc
Entries 34704
Mean 348.6
RMS 2.328
Total Energy(GeV)

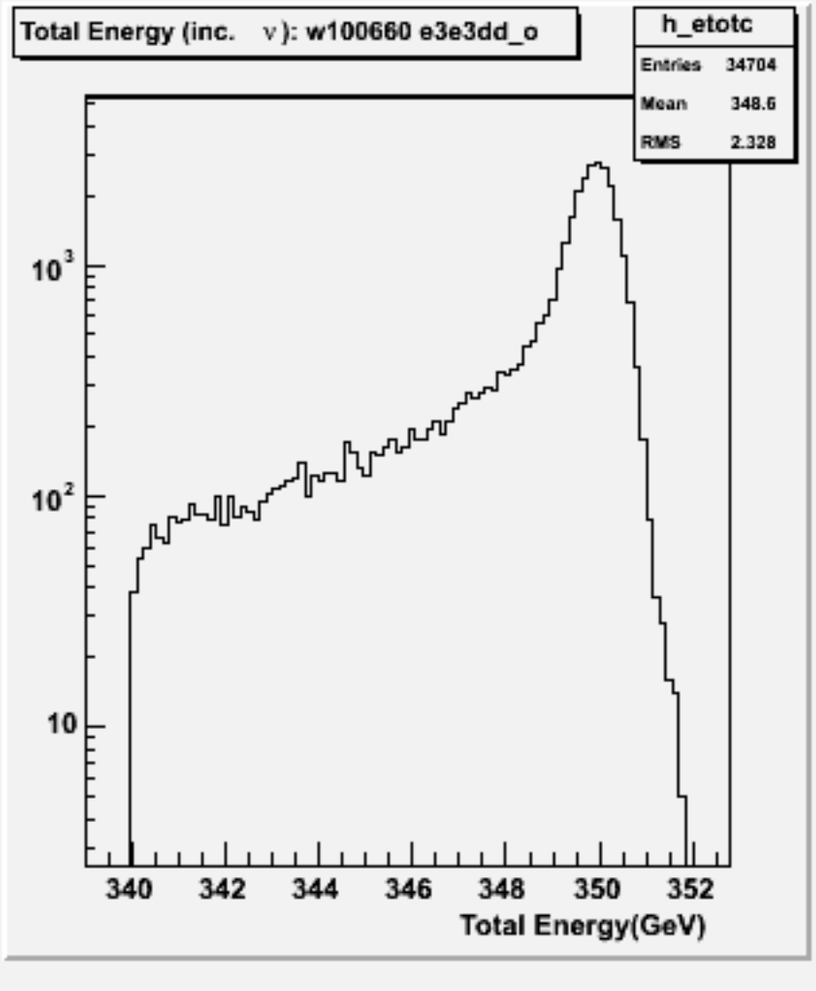

Total Energy (w/o ν): w100660 e3e3dd_o
h_evis
Entries 38210
Mean 274.5
RMS 38.44
Energy(GeV)

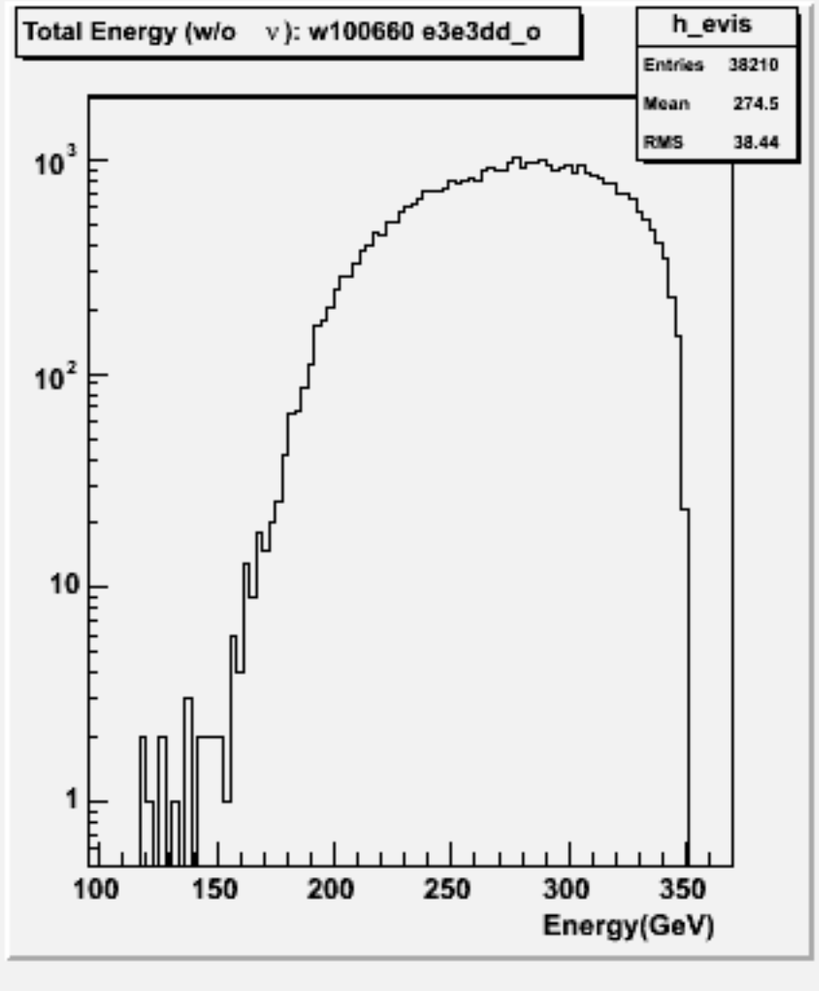

Pt Sum: w100660 e3e3dd_o
h_pt
Entries 38210
Mean 32.3
RMS 27.4
Pt(sum) (GeV)

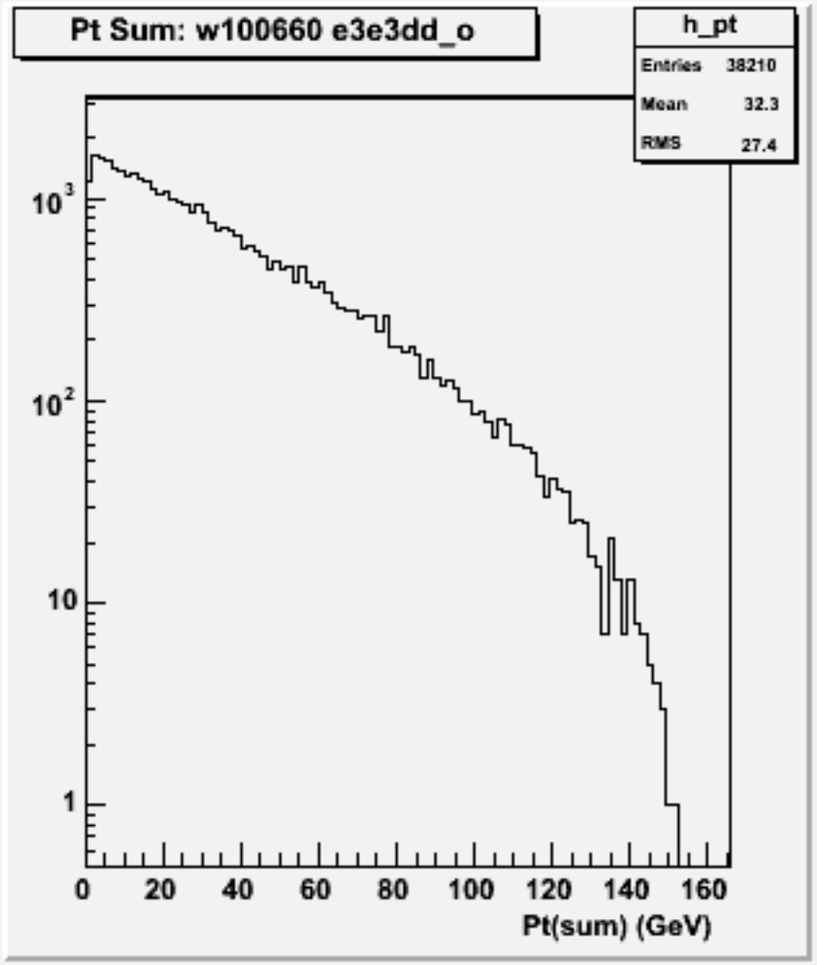

Pz Sum: w100660 e3e3dd_o
h_pz
Entries 38210
Mean -0.102
RMS 59.06
Pz(sum) (GeV)

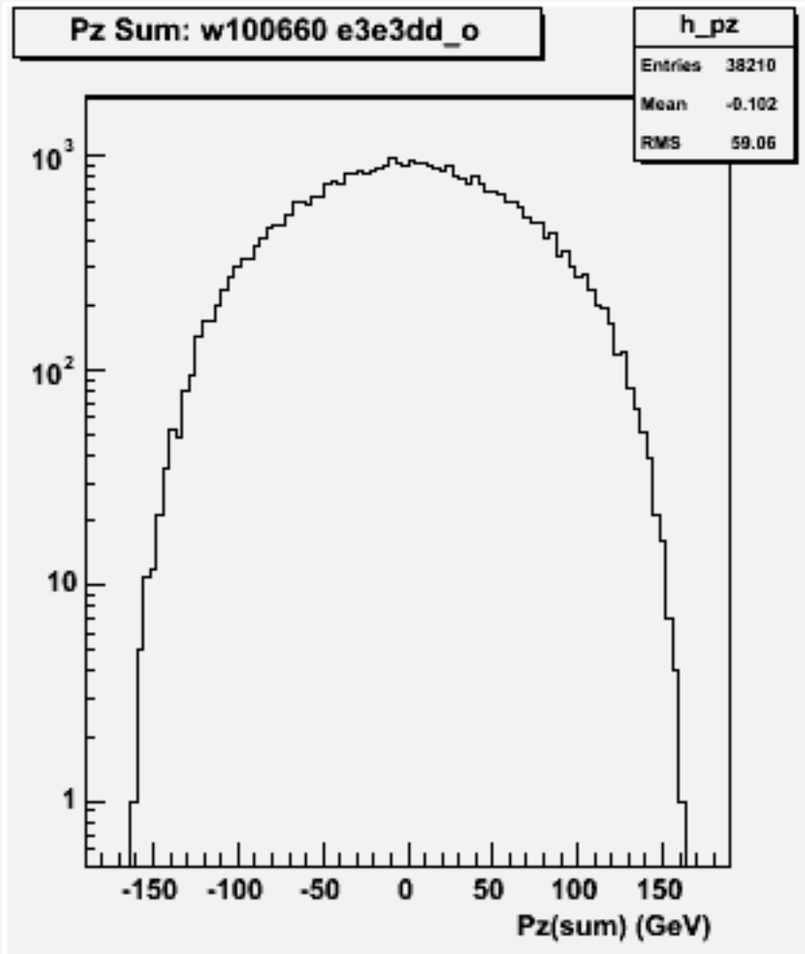

Thrust w100660 e3e3dd_o
h_thrust
Entries 38210
Mean 0.8629
RMS 0.06892
Thrust

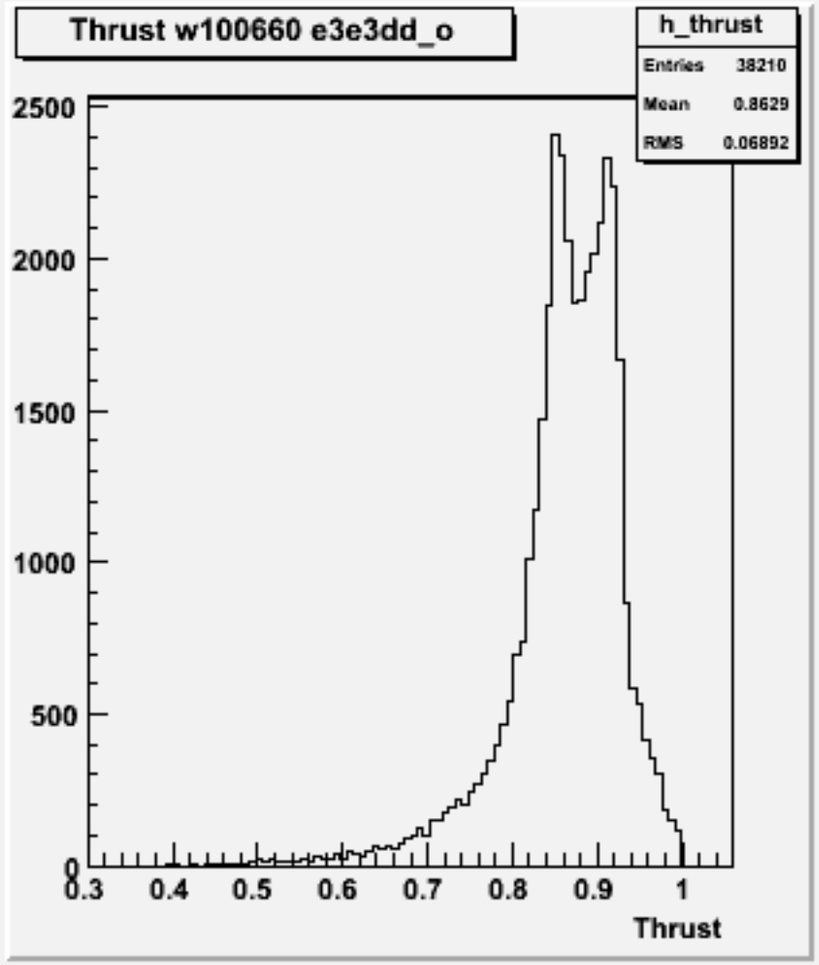

Total Energy (inc. ν): w100660 e3e3dd_o
h_etot
Entries 38210
Mean 346.9
RMS 7.265
Total Energy(GeV)

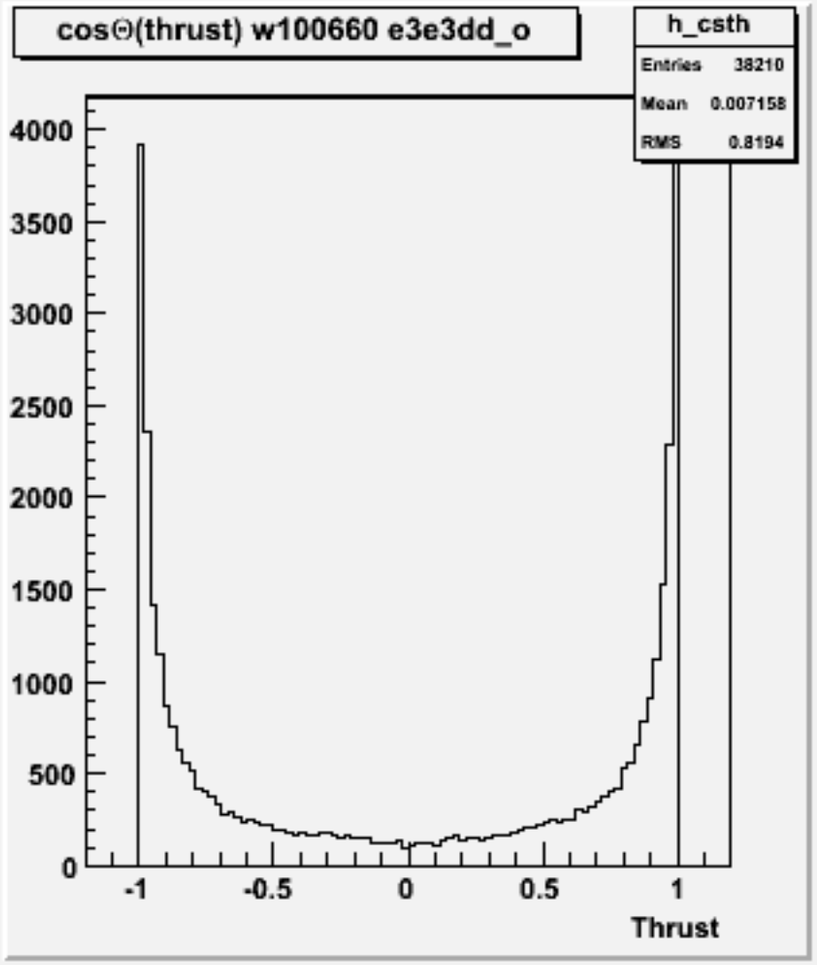

Total Energy (inc. ν): w100660 e3e3dd_o
h_etotc
Entries 34704
Mean 348.6
RMS 2.328
Total Energy(GeV)

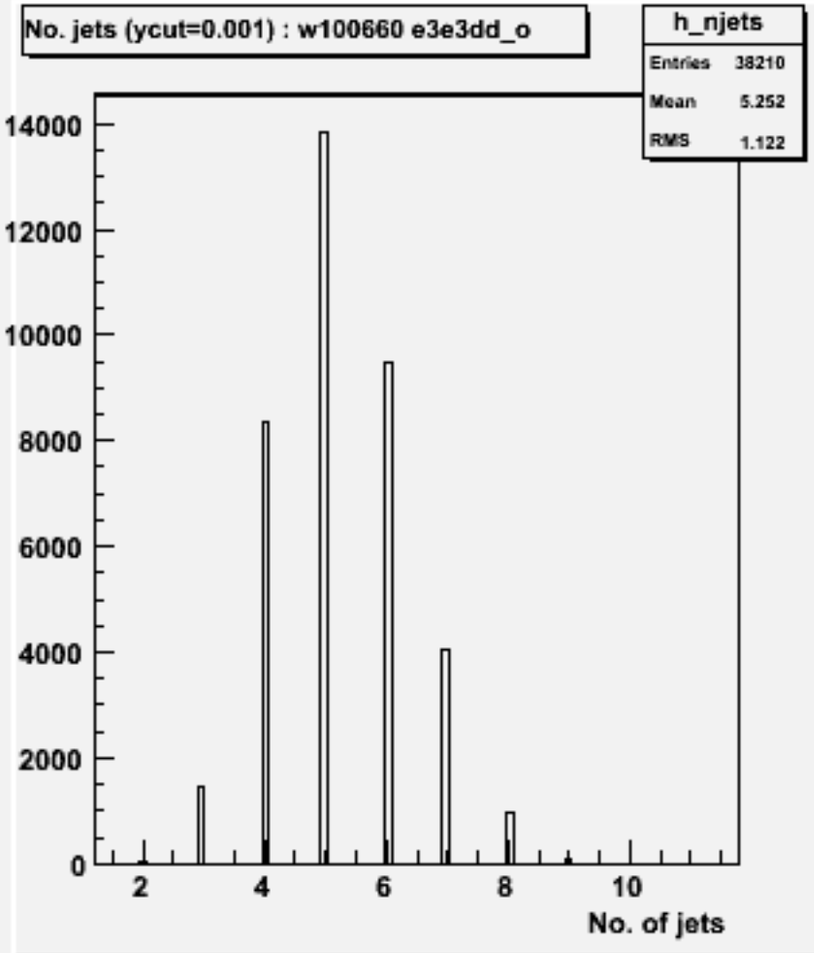

Total Energy (w/o ν): w100660 e3e3dd_o
h_evis
Entries 38210
Mean 274.5
RMS 38.44
Energy(GeV)

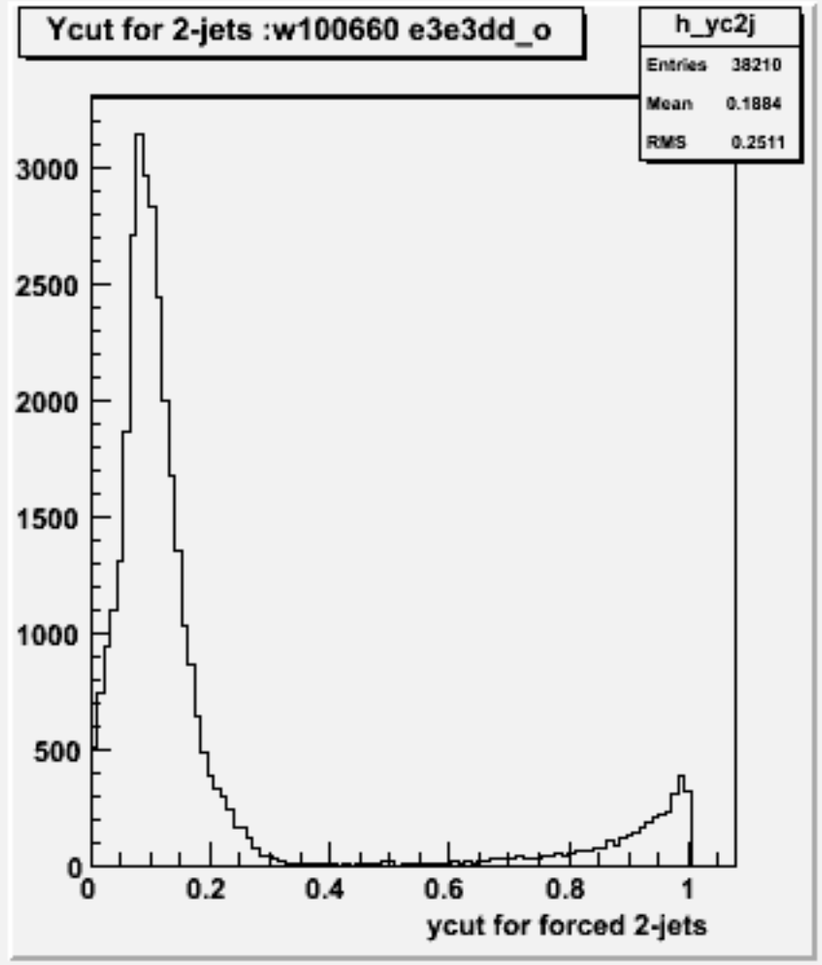

Pt Sum: w100660 e3e3dd_o
h_pt
Entries 38210
Mean 32.3
RMS 27.4
Pt(sum) (GeV)

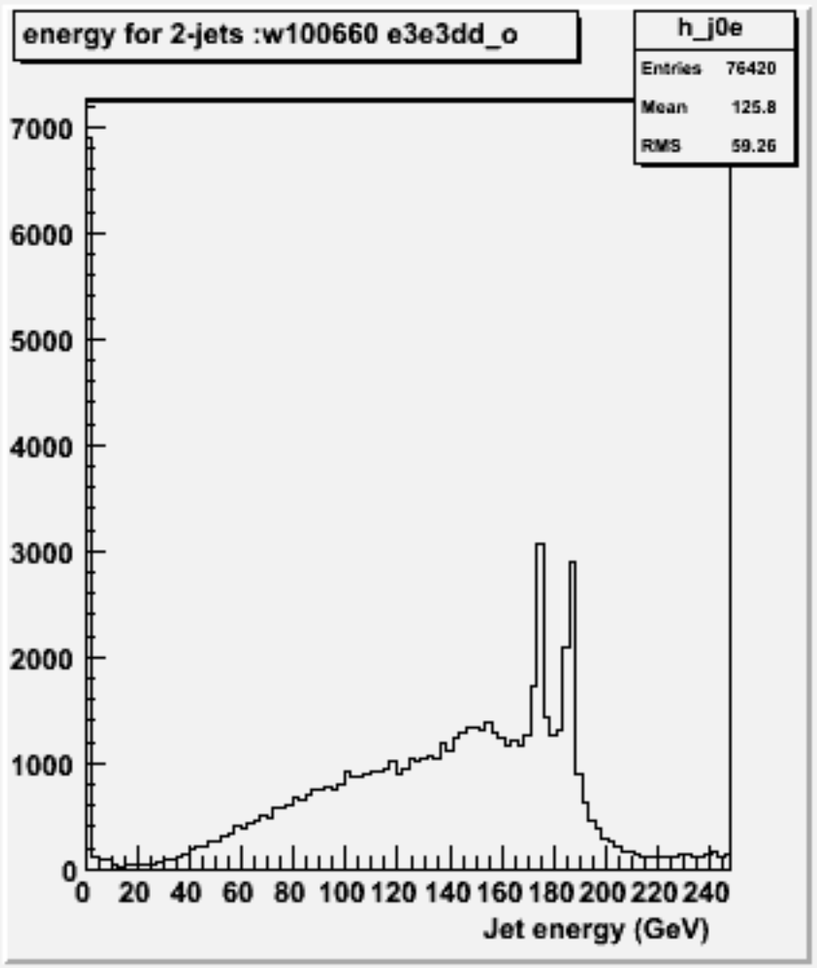

Pz Sum: w100660 e3e3dd_o
h_pz
Entries 38210
Mean -0.102
RMS 59.06
Pz(sum) (GeV)

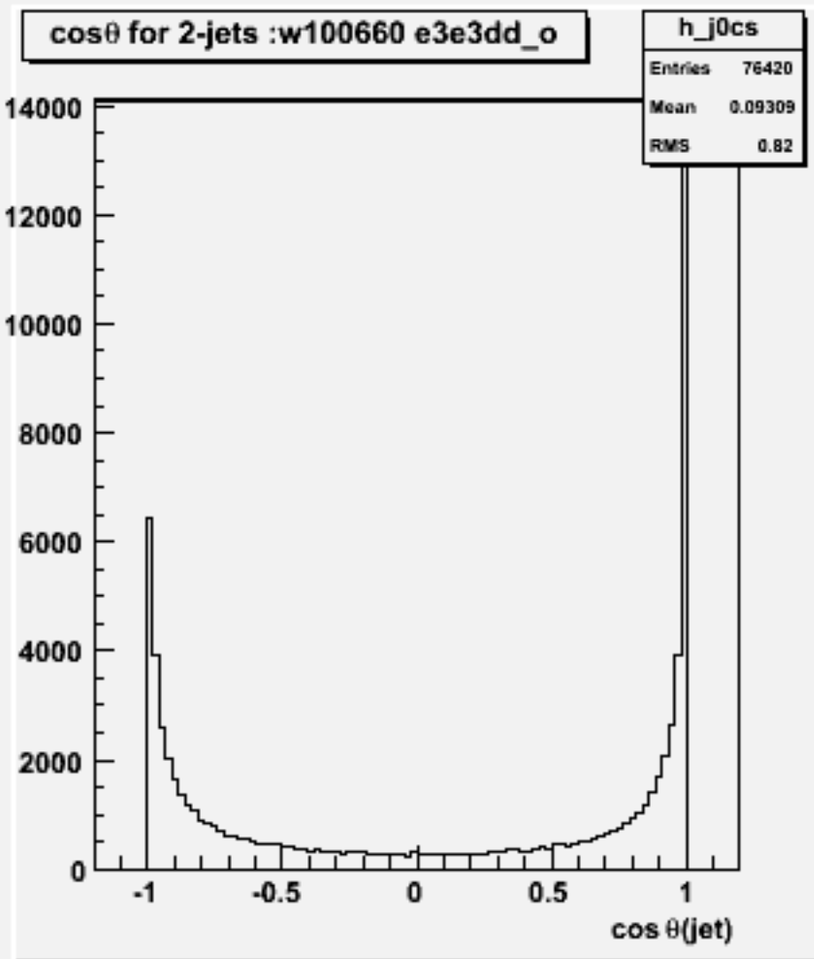

Thrust w100660 e3e3dd_o
h_thrust
Entries 38210
Mean 0.8629
RMS 0.06892
Thrust

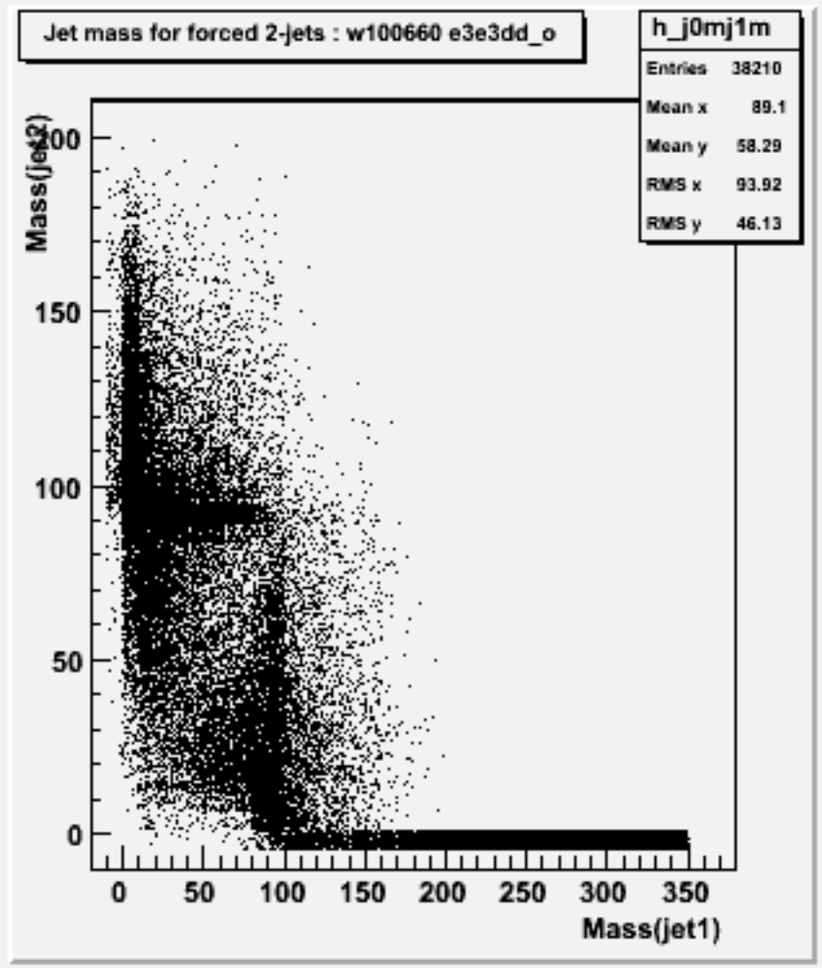

cosΘ(thrust) w100660 e3e3dd_o
h_csth
Entries 38210
Mean 0.007158
RMS 0.8194
Thrust

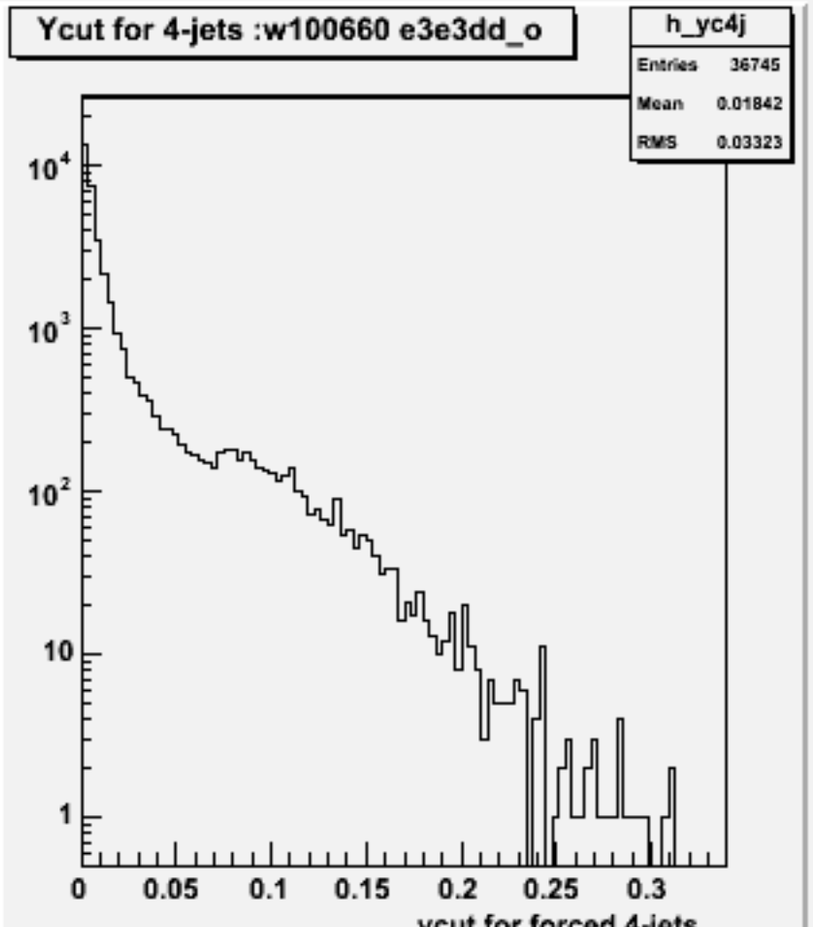

No. jets (ycut=0.001) : w100660 e3e3dd_o
h_njets
Entries 38210
Mean 5.252
RMS 1.122
No. of jets

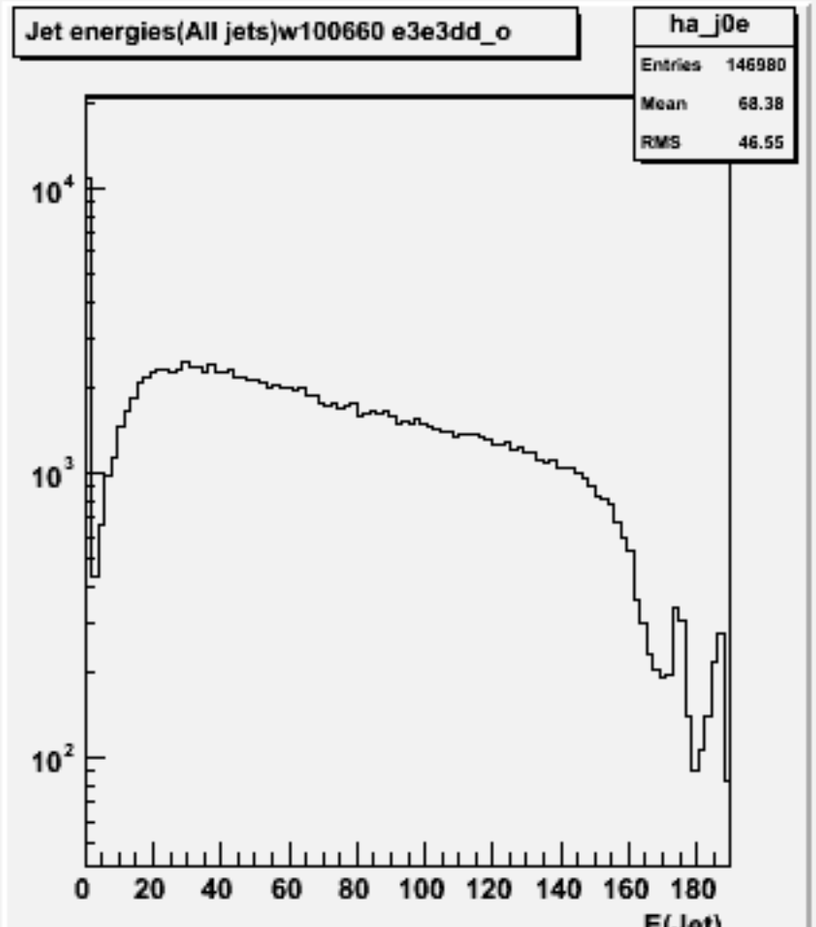

Ycut for 2-jets :w100660 e3e3dd_o
h_yc2j
Entries 38210
Mean 0.1884
RMS 0.2511
ycut for forced 2-jets

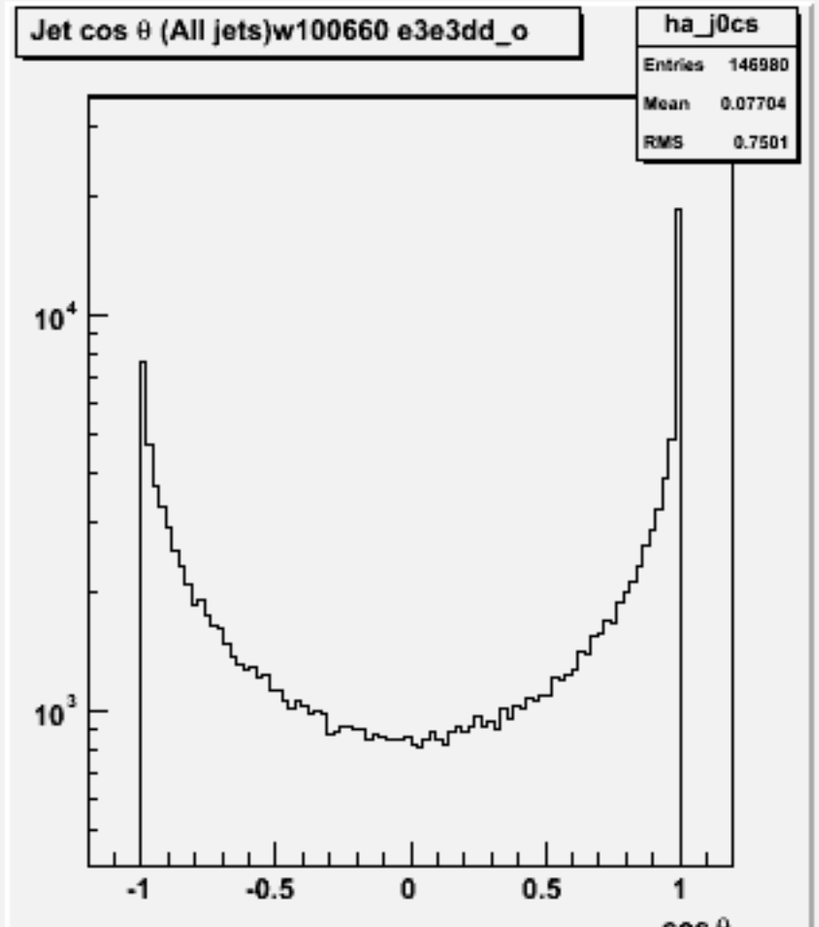

energy for 2-jets :w100660 e3e3dd_o
h_j0e
Entries 76420
Mean 125.8
RMS 59.26
Jet energy (GeV)

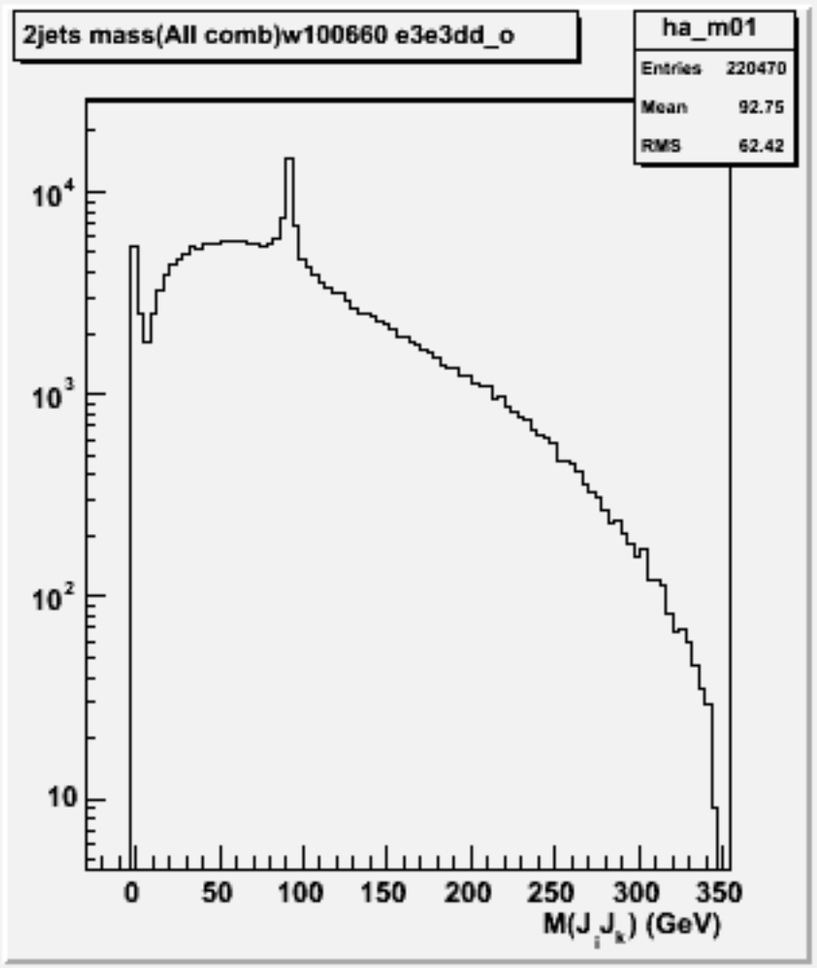

cosθ for 2-jets :w100660 e3e3dd_o
h_j0cs
Entries 76420
Mean 0.09309
RMS 0.82
cos θ(jet)

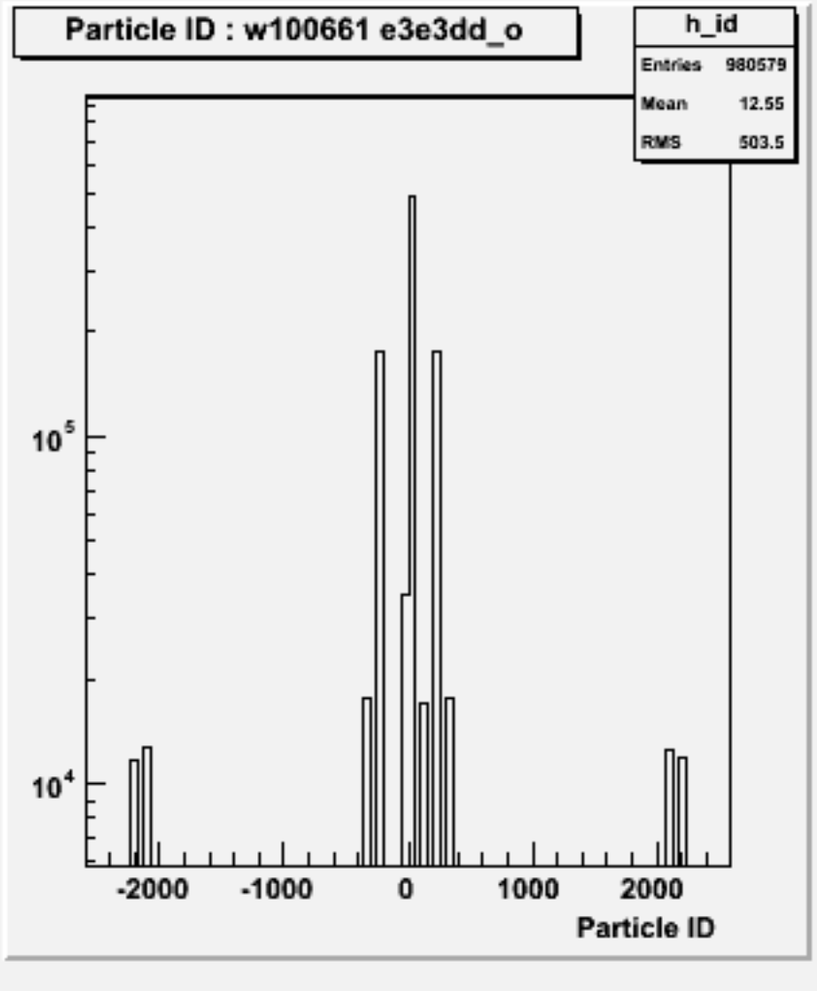

Jet mass for forced 2-jets : w100660 e3e3dd_o
h_j0mj1m
Entries 38210
Mean x 89.1
Mean y 58.29
RMS x 93.92
RMS y 46.13
Mass(jet2)
Mass(jet1)

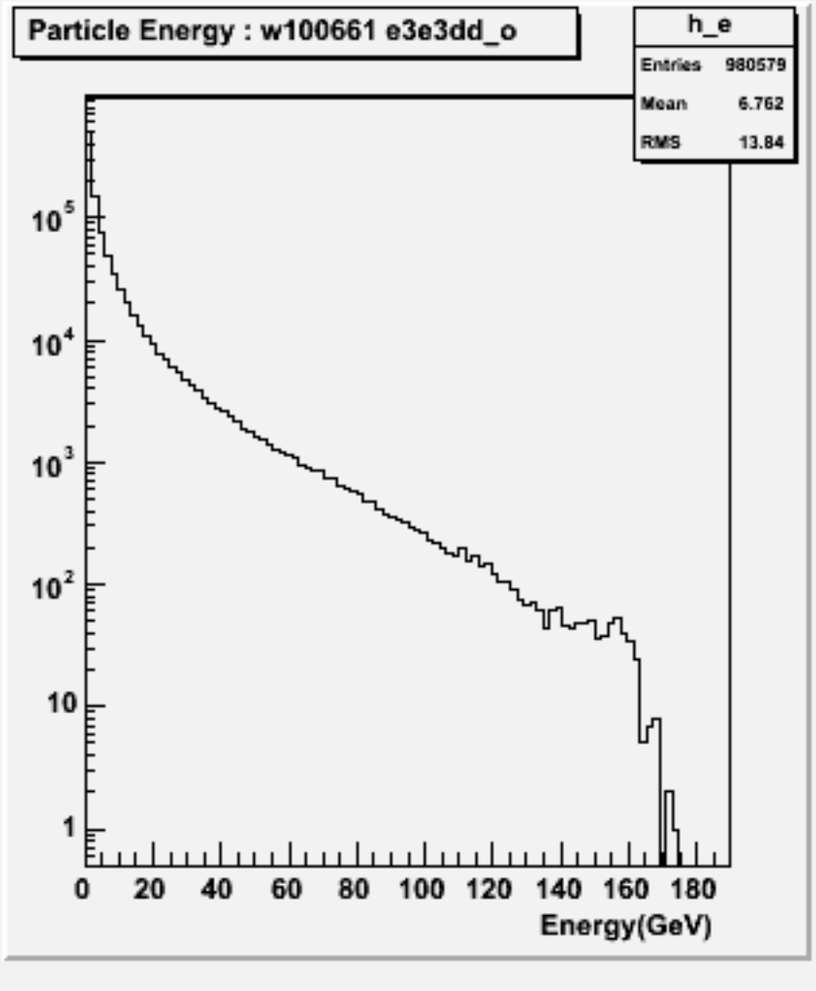

Ycut for 4-jets :w100660 e3e3dd_o
h_yc4j
Entries 36745
Mean 0.01842
RMS 0.03323
ycut for forced 4-jets

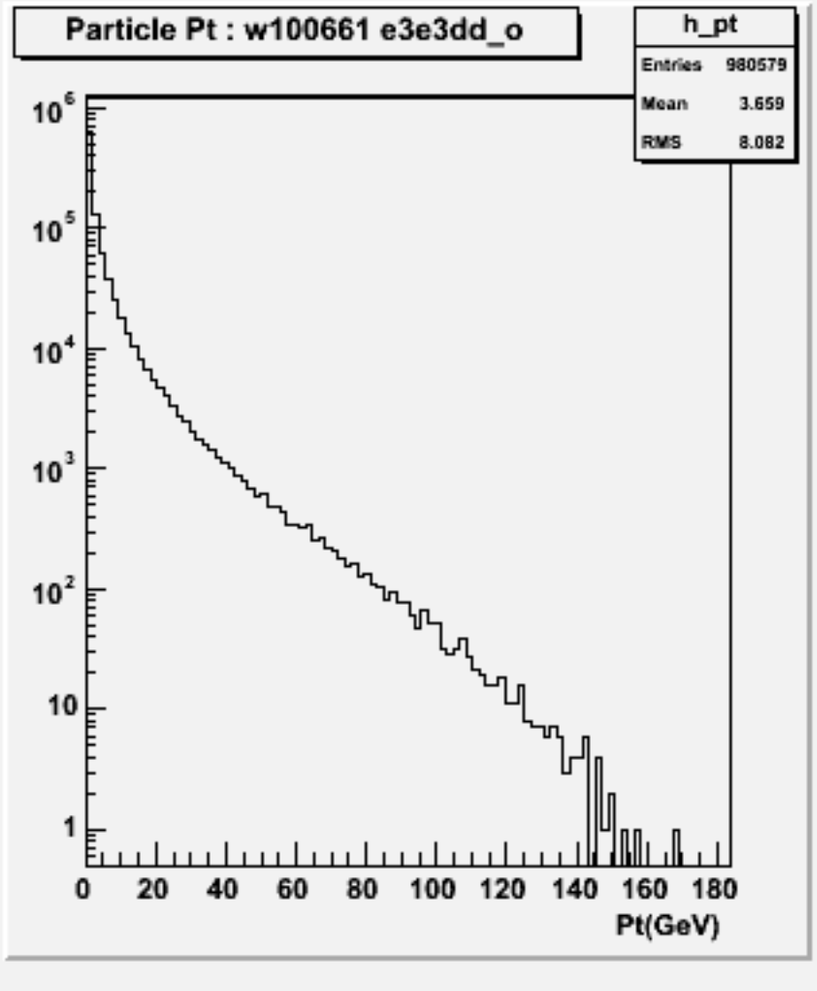

Jet energies(All jets)w100660 e3e3dd_o
ha_j0e
Entries 146980
Mean 68.38
RMS 46.55
E(Jet)

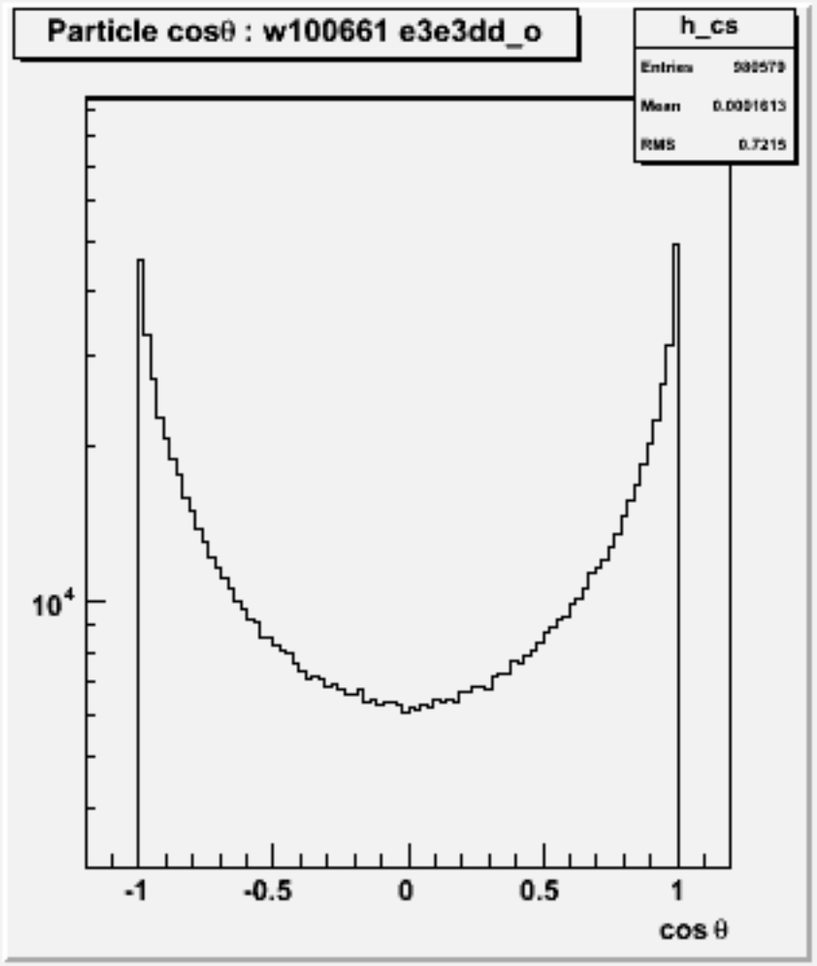

Jet cos θ (All jets)w100660 e3e3dd_o
ha_j0cs
Entries 146980
Mean 0.07704
RMS 0.7501
cos θ

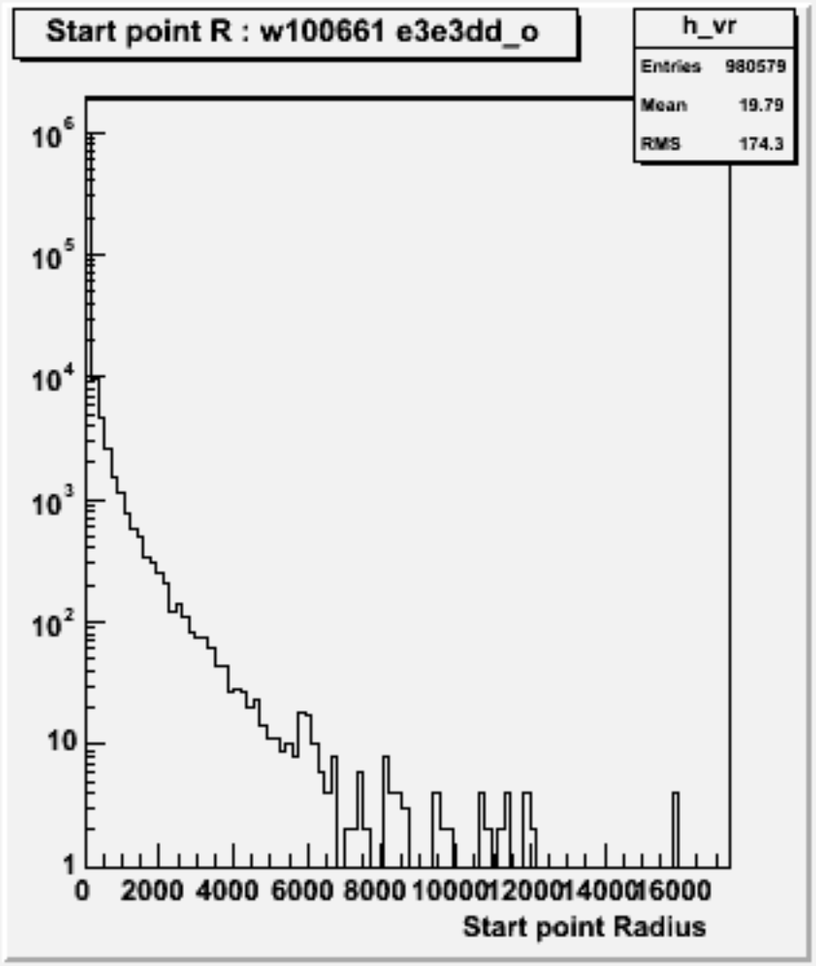

2jets mass(All comb)w100660 e3e3dd_o
ha_m01
Entries 220470
Mean 92.75
RMS 62.42
M(J_iJ_k) (GeV)

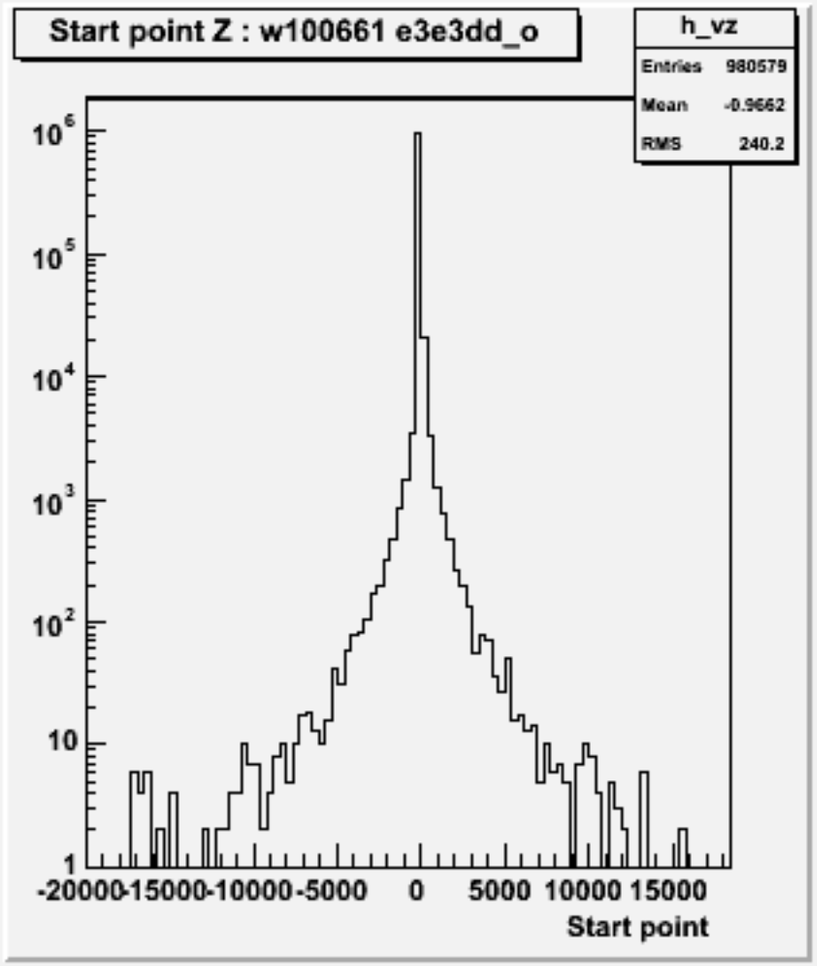

Particle ID : w100661 e3e3dd_o
h_id
Entries 980579
Mean 12.55
RMS 503.5
10^5
10^4
-2000 -1000 0 1000 2000
Particle ID

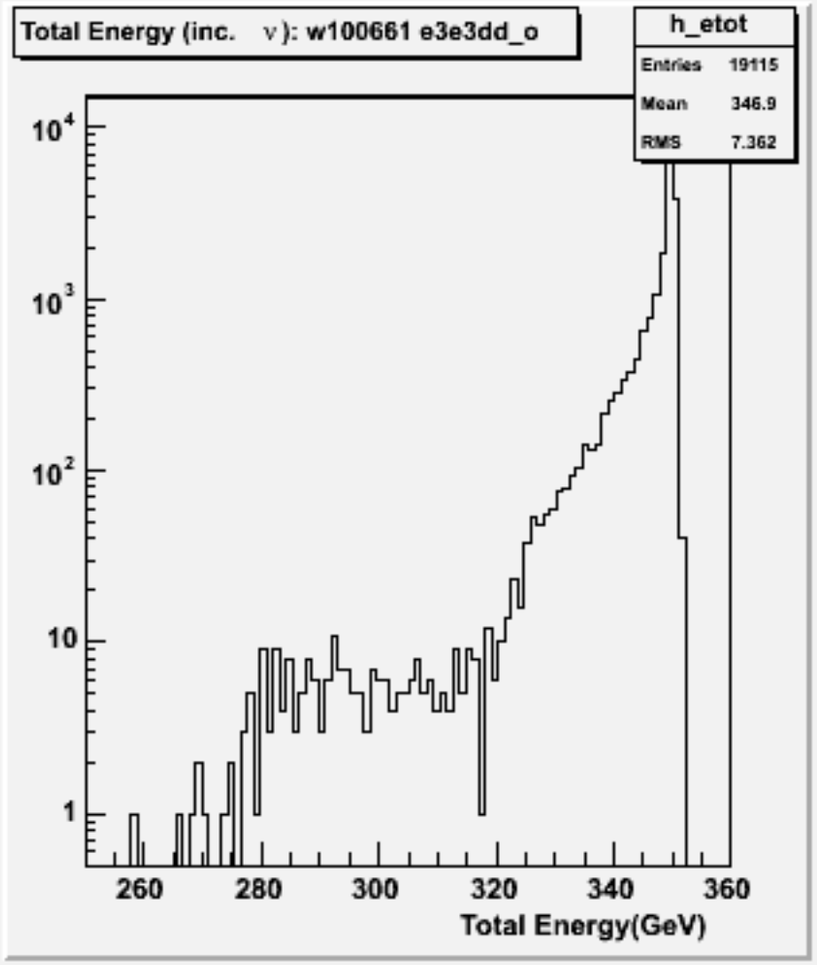

Particle Energy : w100661 e3e3dd_o
h_e
Entries 980579
Mean 6.762
RMS 13.84
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

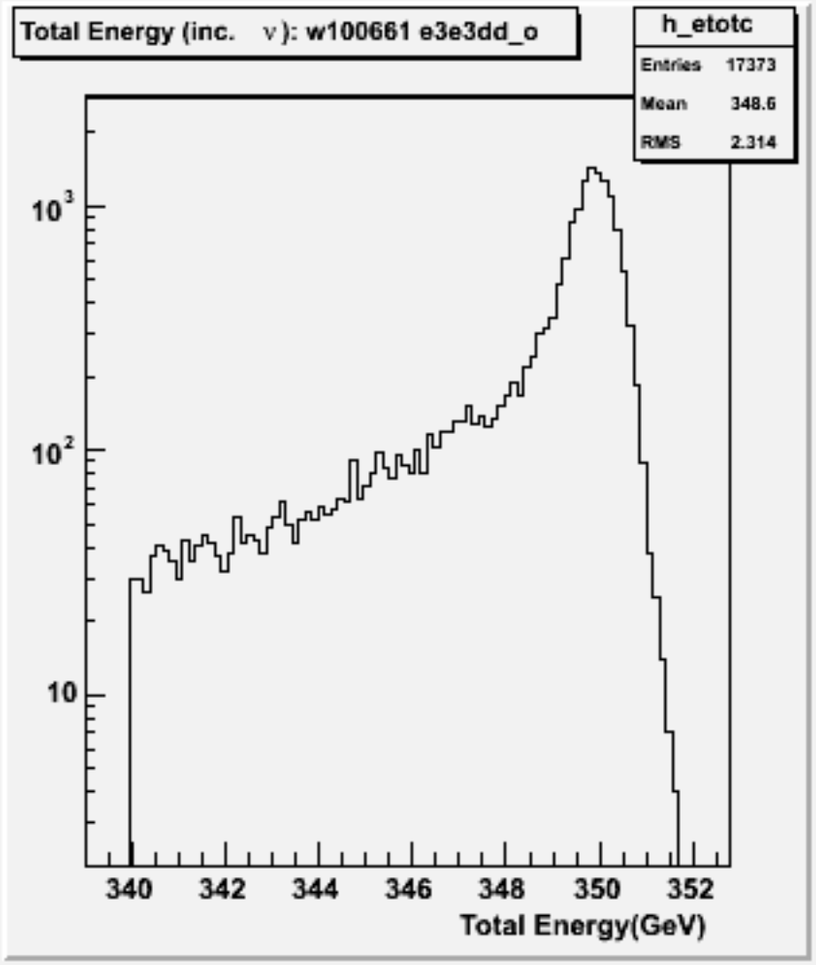

Particle Pt : w100661 e3e3dd_o
h_pt
Entries 980579
Mean 3.659
RMS 8.082
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

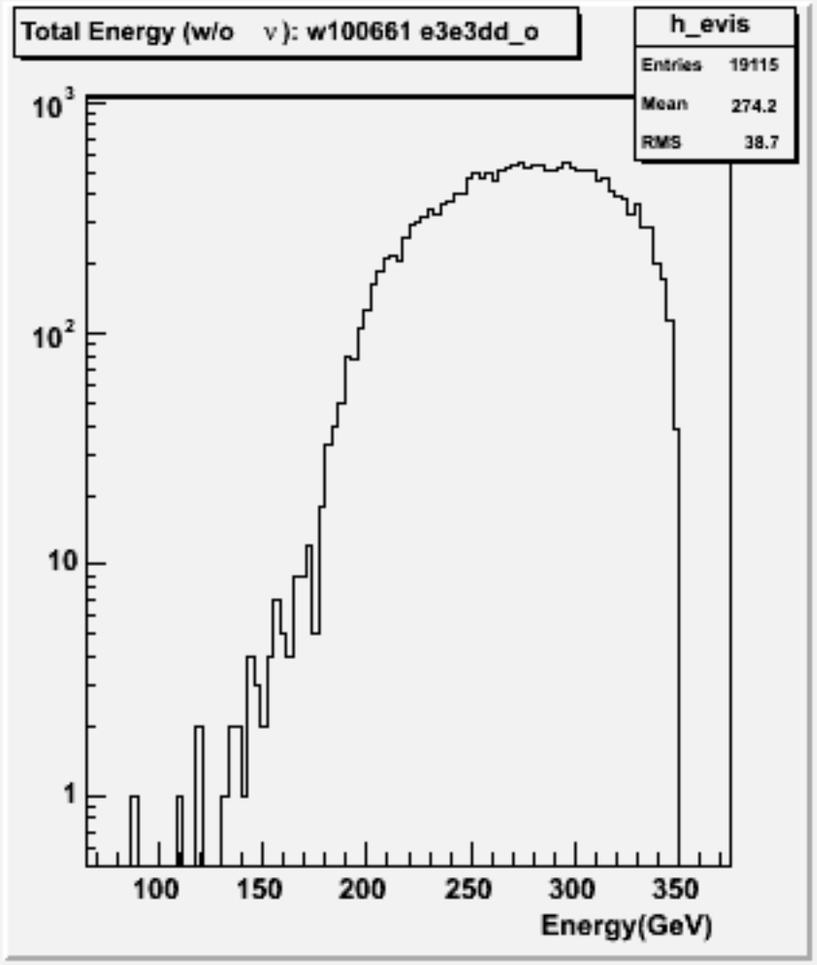

Particle cosθ : w100661 e3e3dd_o
h_cs
Entries 980579
Mean 0.0001613
RMS 0.7215
10^4
-1 -0.5 0 0.5 1
cos θ

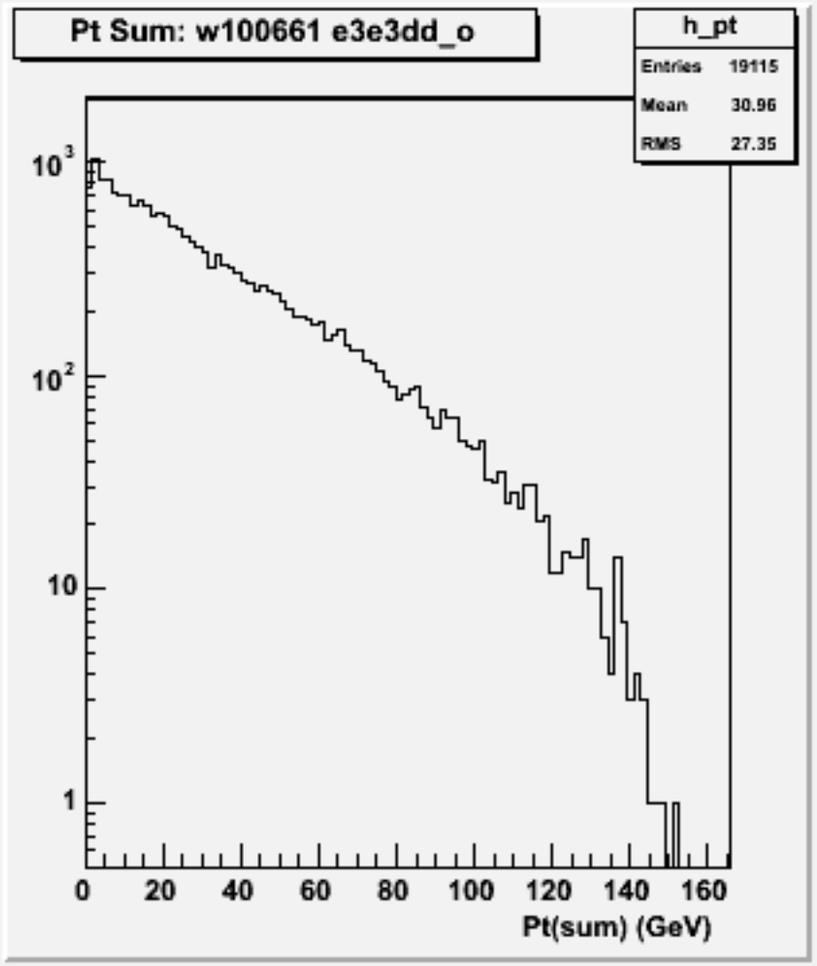

Start point R : w100661 e3e3dd_o
h_vr
Entries 980579
Mean 19.79
RMS 174.3
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000
Start point Radius

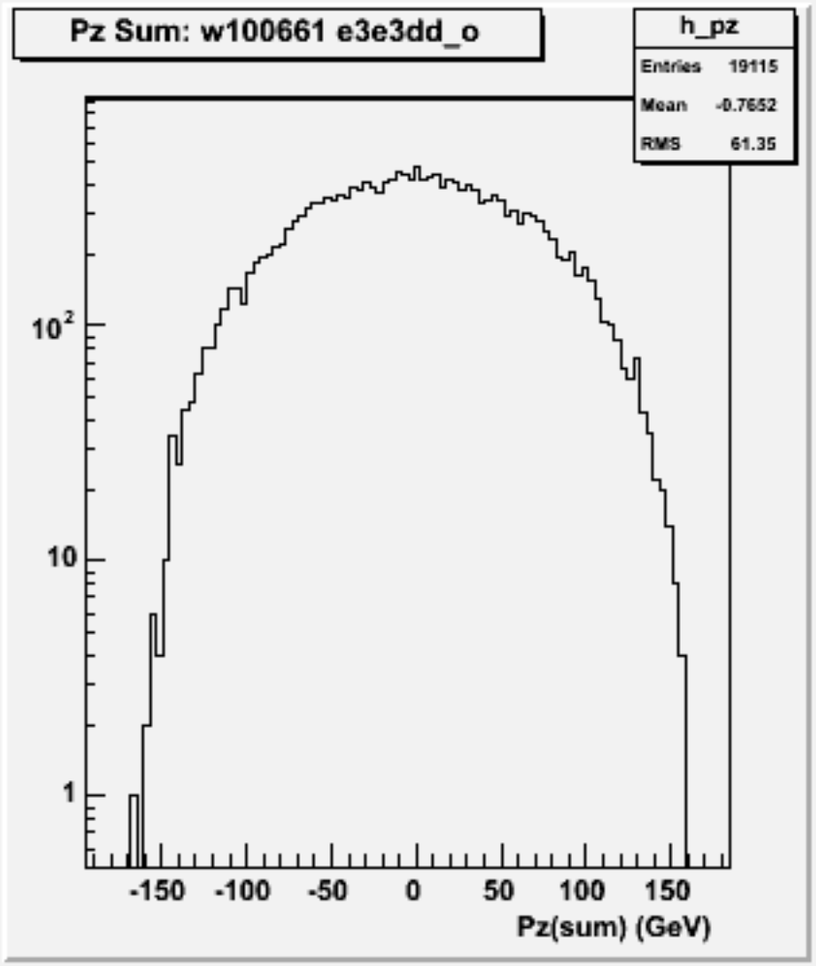

Start point Z : w100661 e3e3dd_o
h_vz
Entries 980579
Mean -0.9662
RMS 240.2
10^6
10^5
10^4
10^3
10^2
10
1
-20000 -15000 -10000 -5000 0 5000 10000 15000
Start point

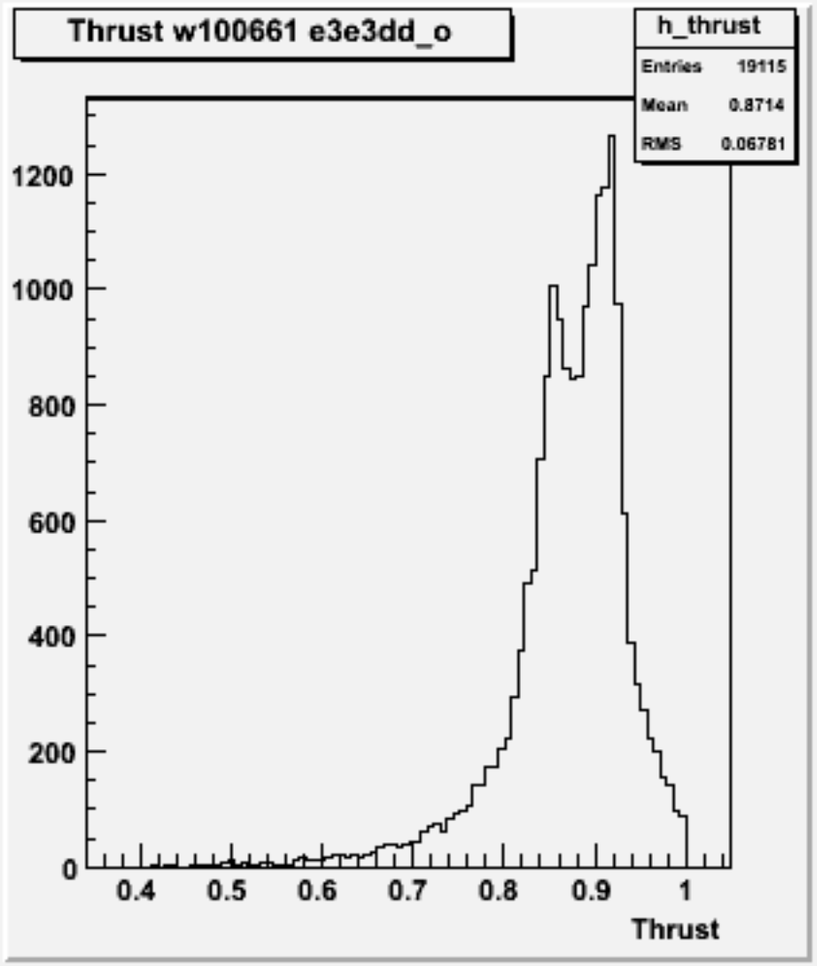

Total Energy (inc. ν): w100661 e3e3dd_o
h_etot
Entries 19115
Mean 346.9
RMS 7.362
Total Energy(GeV)

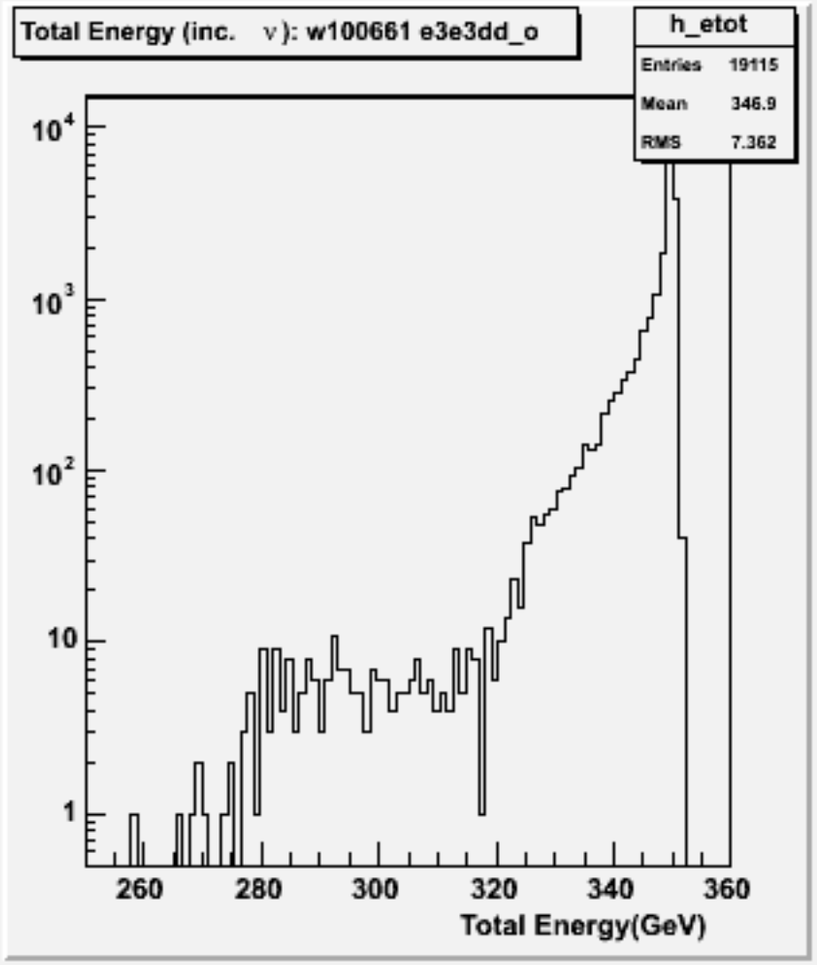

Total Energy (inc. ν): w100661 e3e3dd_o
h_etotc
Entries 17373
Mean 348.6
RMS 2.314
Total Energy(GeV)

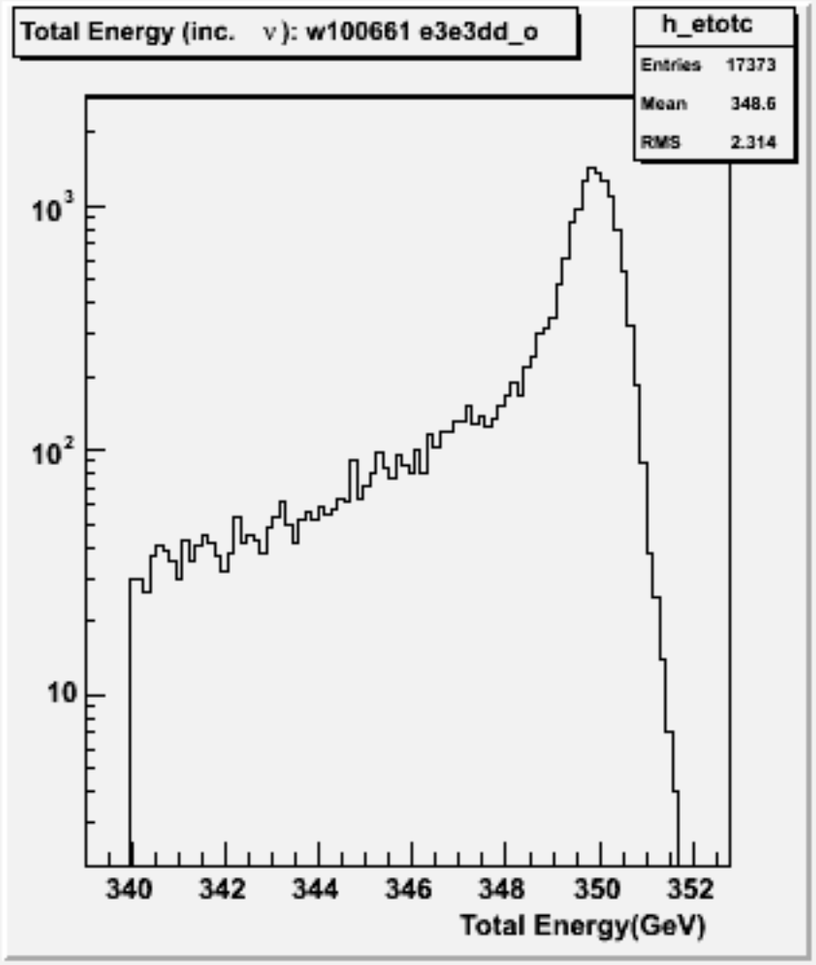

Total Energy (w/o ν): w100661 e3e3dd_o
h_evis
Entries 19115
Mean 274.2
RMS 38.7
Energy(GeV)

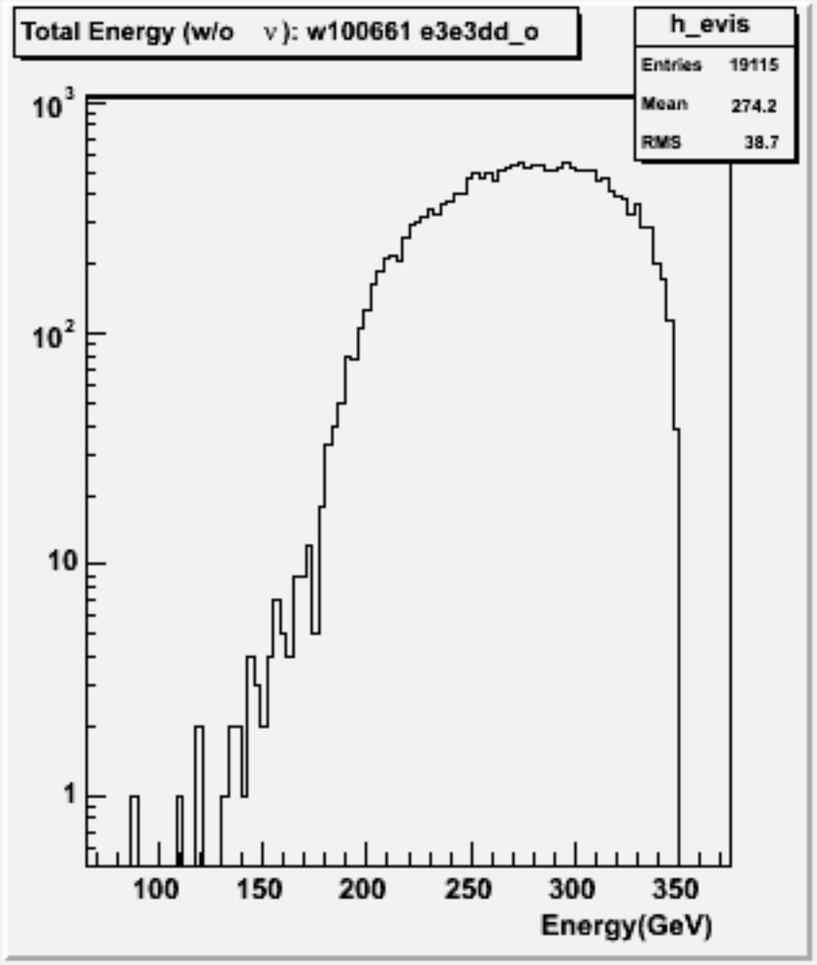

Pt Sum: w100661 e3e3dd_o
h_pt
Entries 19115
Mean 30.96
RMS 27.35
Pt(sum) (GeV)

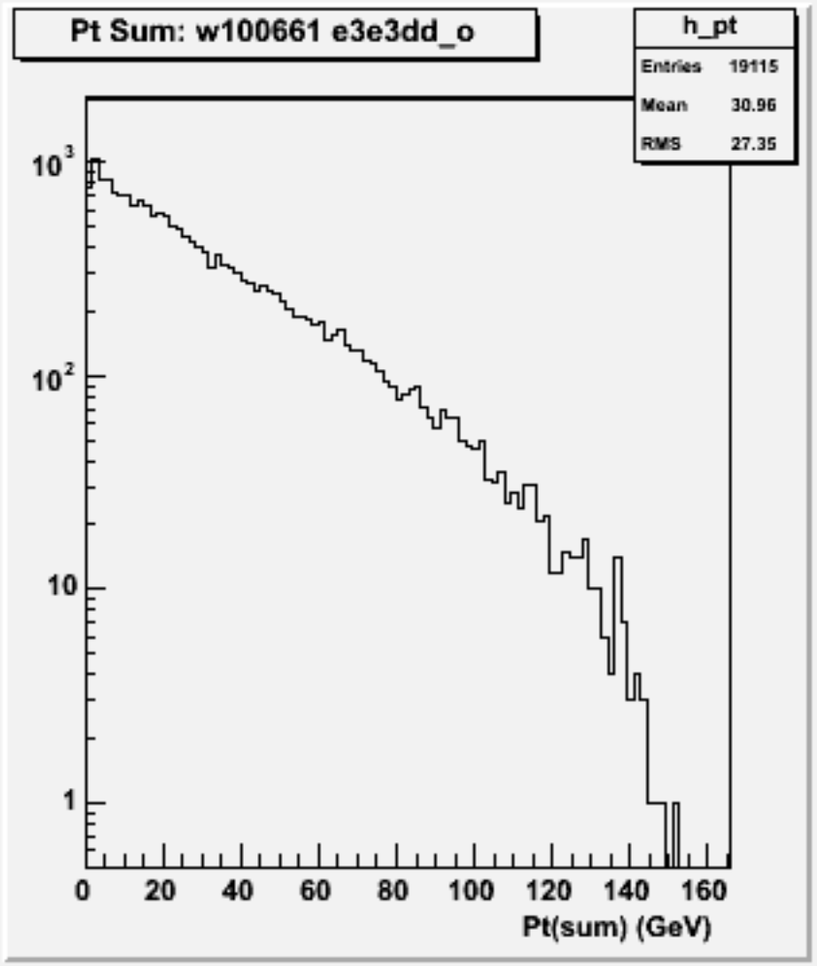

Pz Sum: w100661 e3e3dd_o
h_pz
Entries 19115
Mean -0.7652
RMS 61.35
Pz(sum) (GeV)

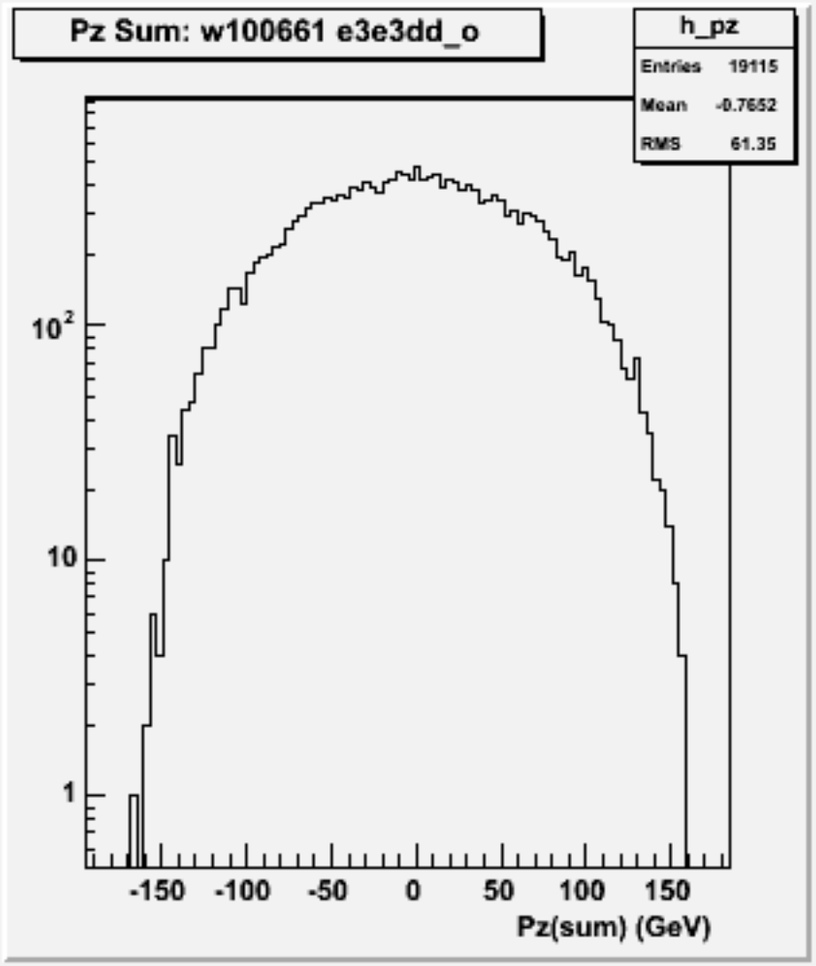

Thrust w100661 e3e3dd_o
h_thrust
Entries 19115
Mean 0.8714
RMS 0.06781
Thrust

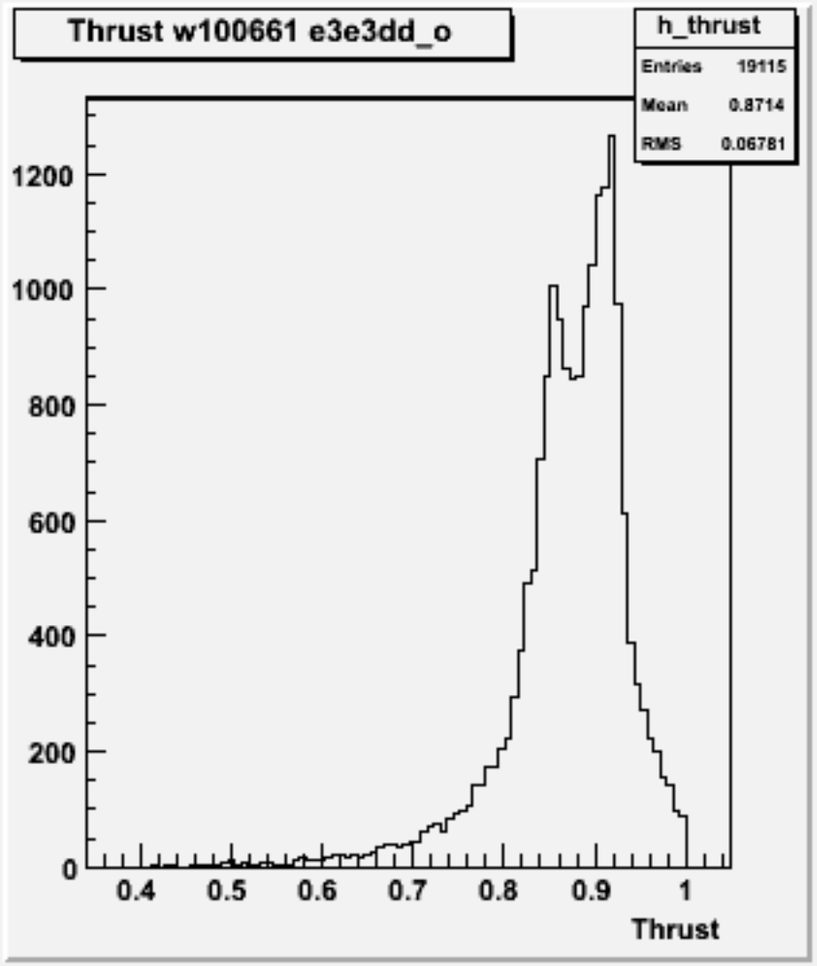

Total Energy (inc. ν): w100661 e3e3dd_o
h_etot
Entries 19115
Mean 346.9
RMS 7.362
Total Energy(GeV)

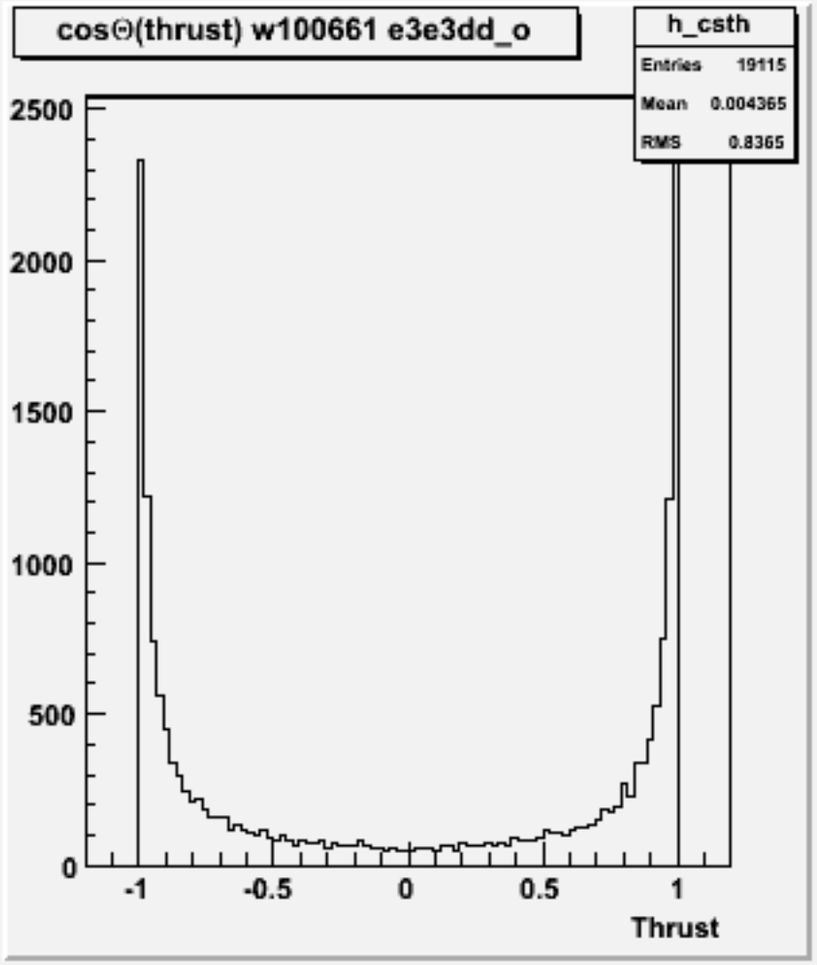

Total Energy (inc. ν): w100661 e3e3dd_o
h_etotc
Entries 17373
Mean 348.6
RMS 2.314
Total Energy(GeV)

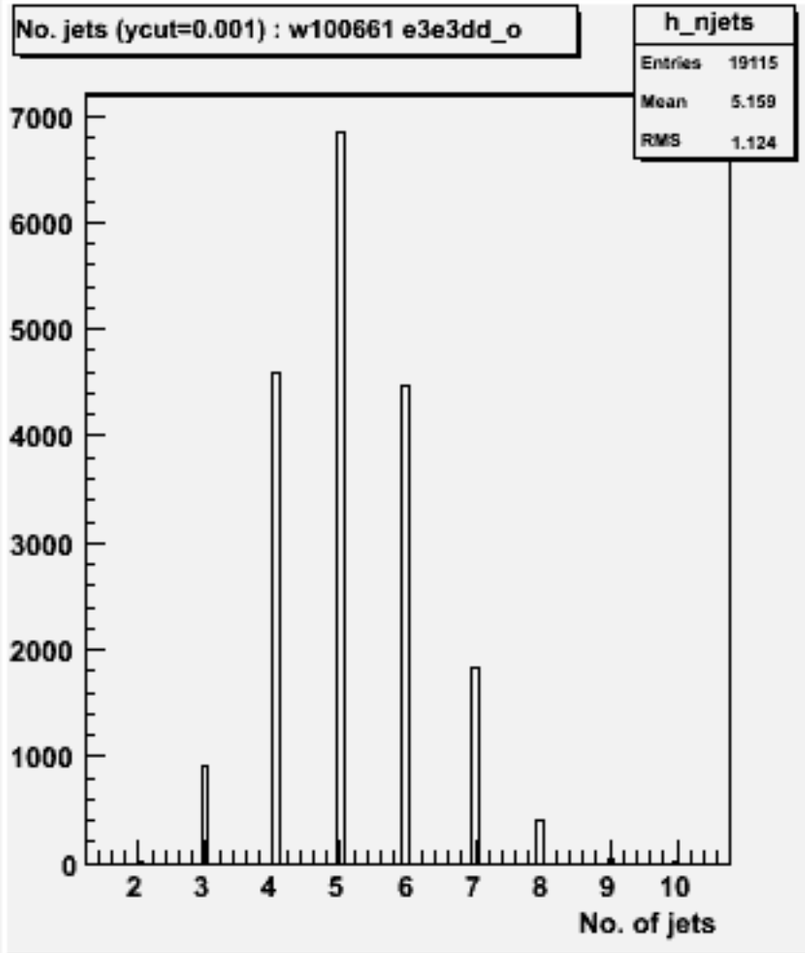

Total Energy (w/o ν): w100661 e3e3dd_o
h_evis
Entries 19115
Mean 274.2
RMS 38.7
Energy(GeV)

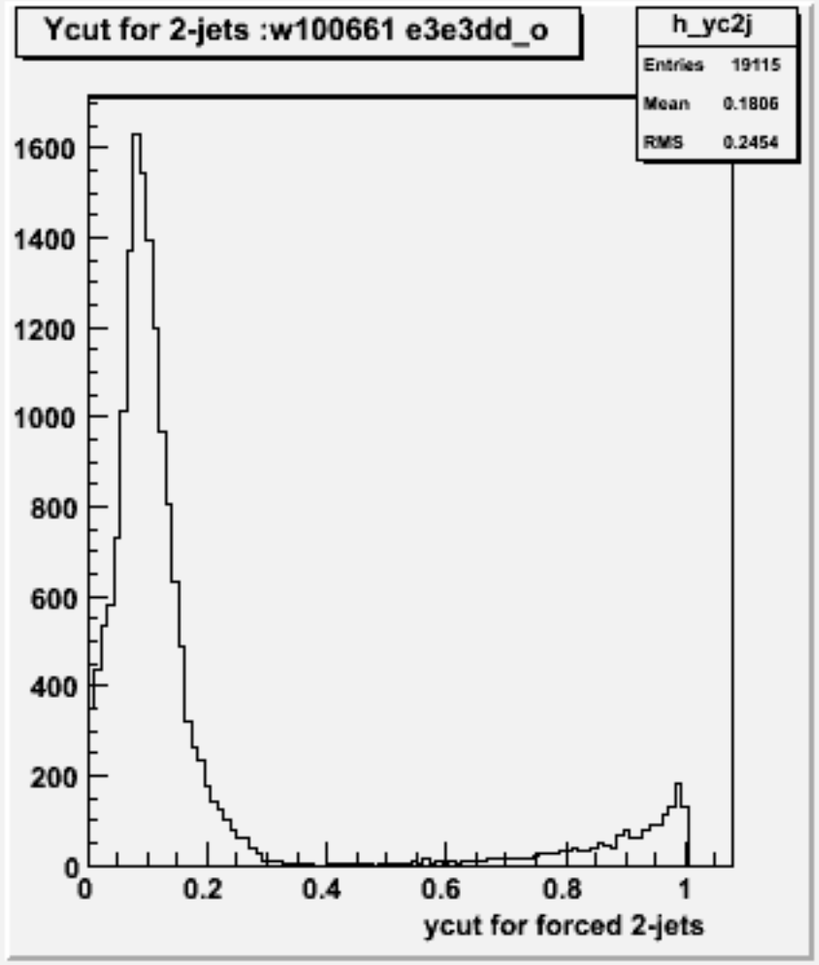

Pt Sum: w100661 e3e3dd_o
h_pt
Entries 19115
Mean 30.96
RMS 27.35
Pt(sum) (GeV)

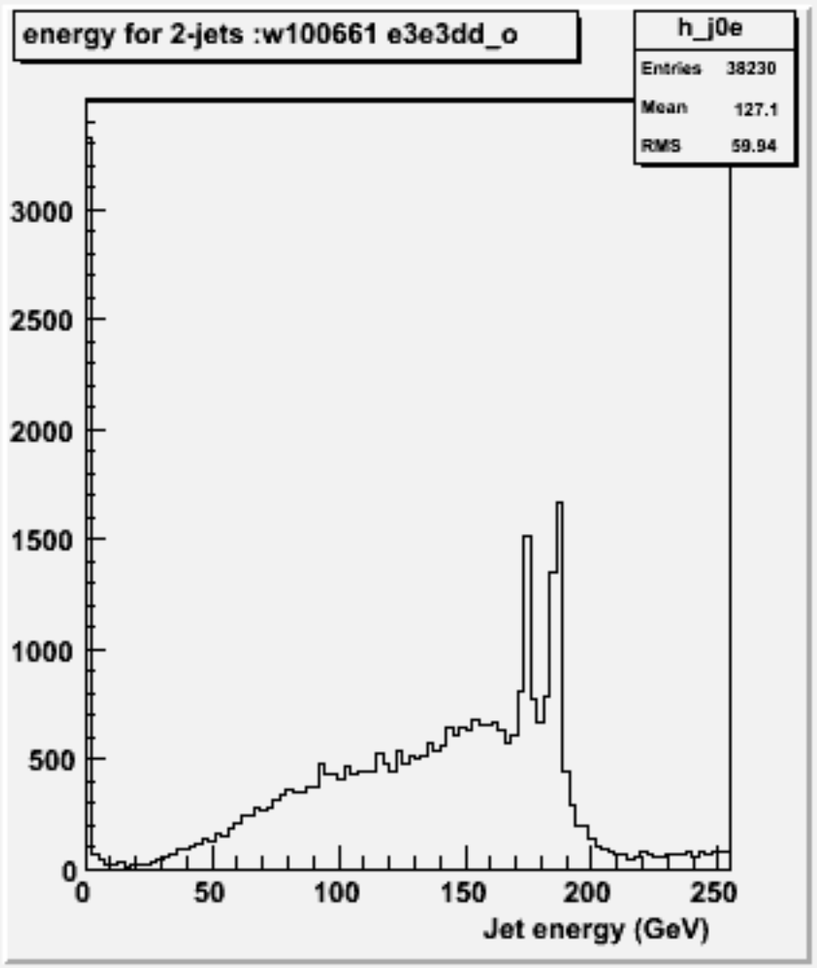

Pz Sum: w100661 e3e3dd_o
h_pz
Entries 19115
Mean -0.7652
RMS 61.35
Pz(sum) (GeV)

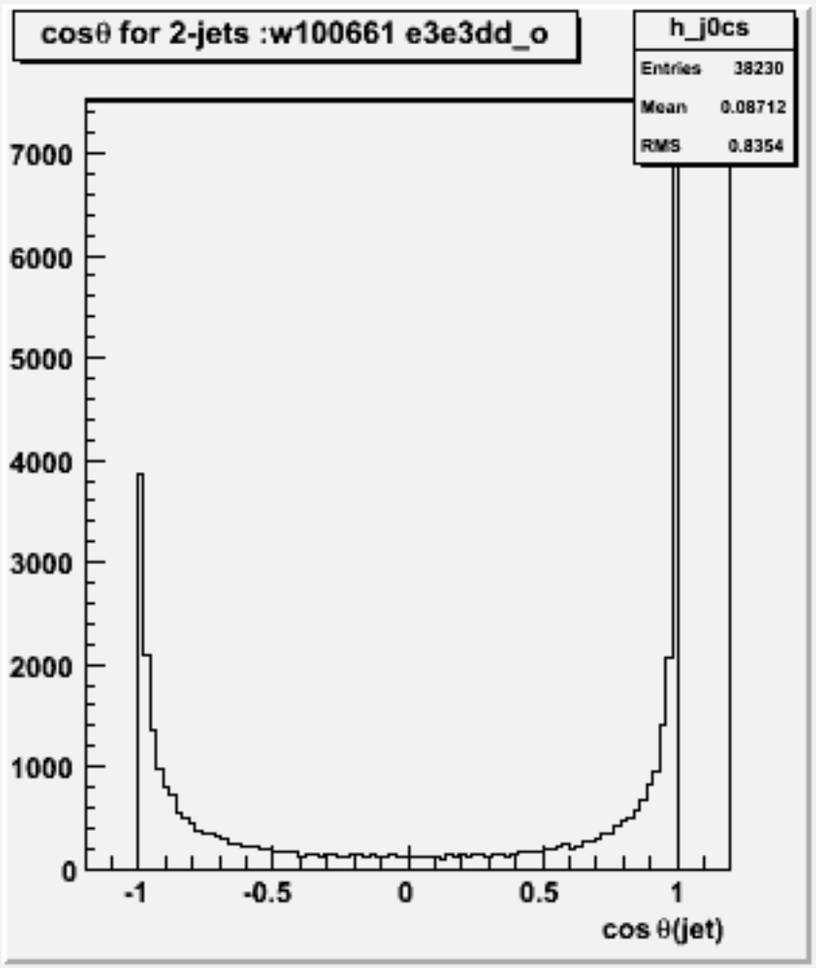

Thrust w100661 e3e3dd_o
h_thrust
Entries 19115
Mean 0.8714
RMS 0.06781
Thrust

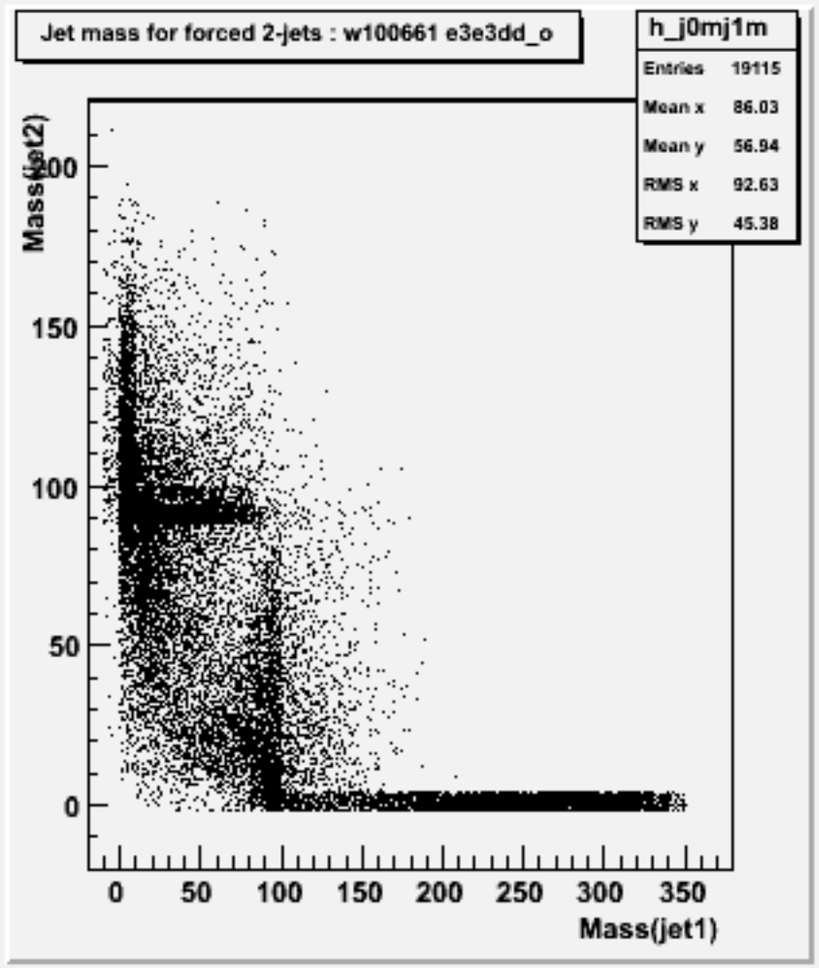

cosΘ(thrust) w100661 e3e3dd_o
h_csth
Entries 19115
Mean 0.004365
RMS 0.8365
Thrust

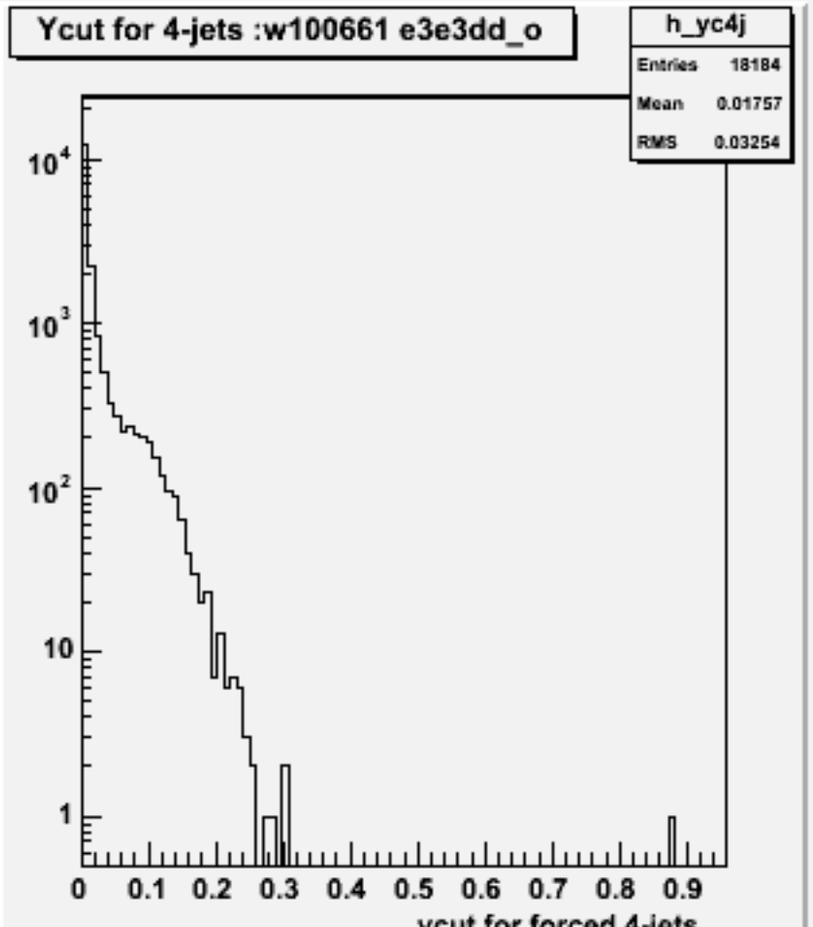

No. jets (ycut=0.001) : w100661 e3e3dd_o
h_njets
Entries 19115
Mean 5.159
RMS 1.124
No. of jets

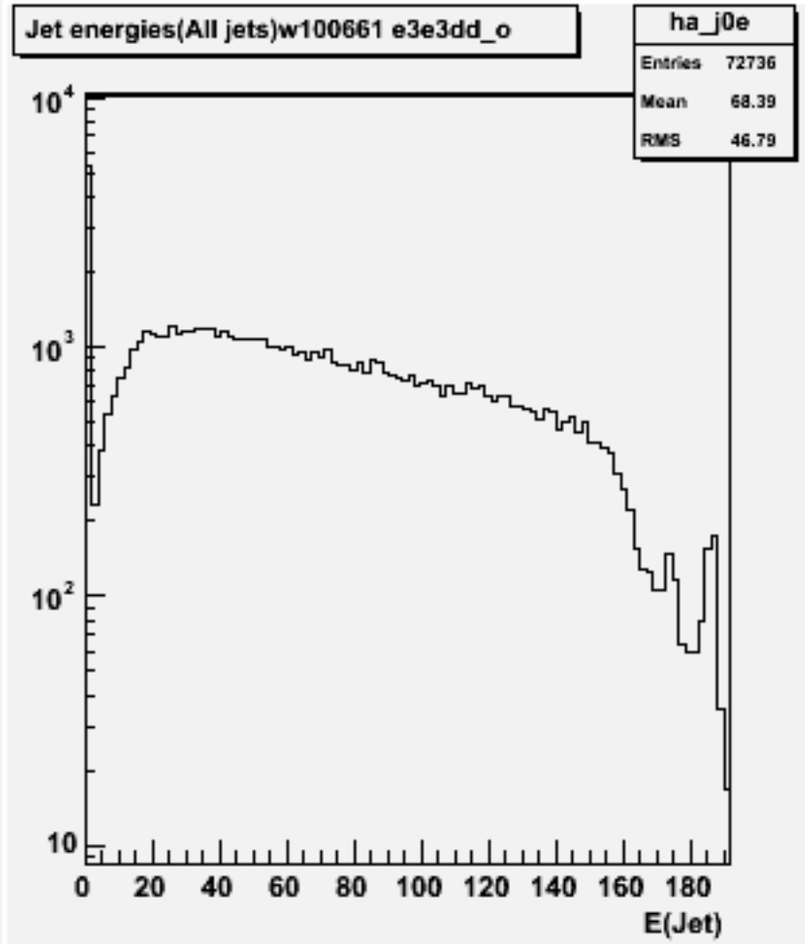

Ycut for 2-jets :w100661 e3e3dd_o
h_yc2j
Entries 19115
Mean 0.1806
RMS 0.2454
ycut for forced 2-jets

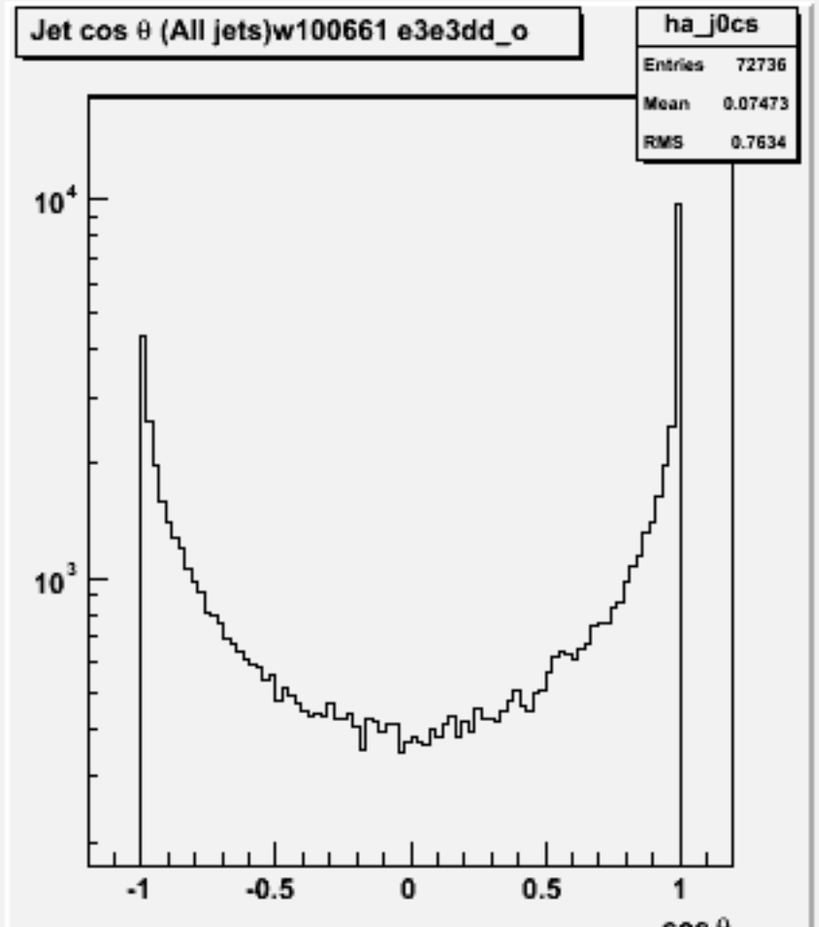

energy for 2-jets :w100661 e3e3dd_o
h_j0e
Entries 38230
Mean 127.1
RMS 59.94
Jet energy (GeV)

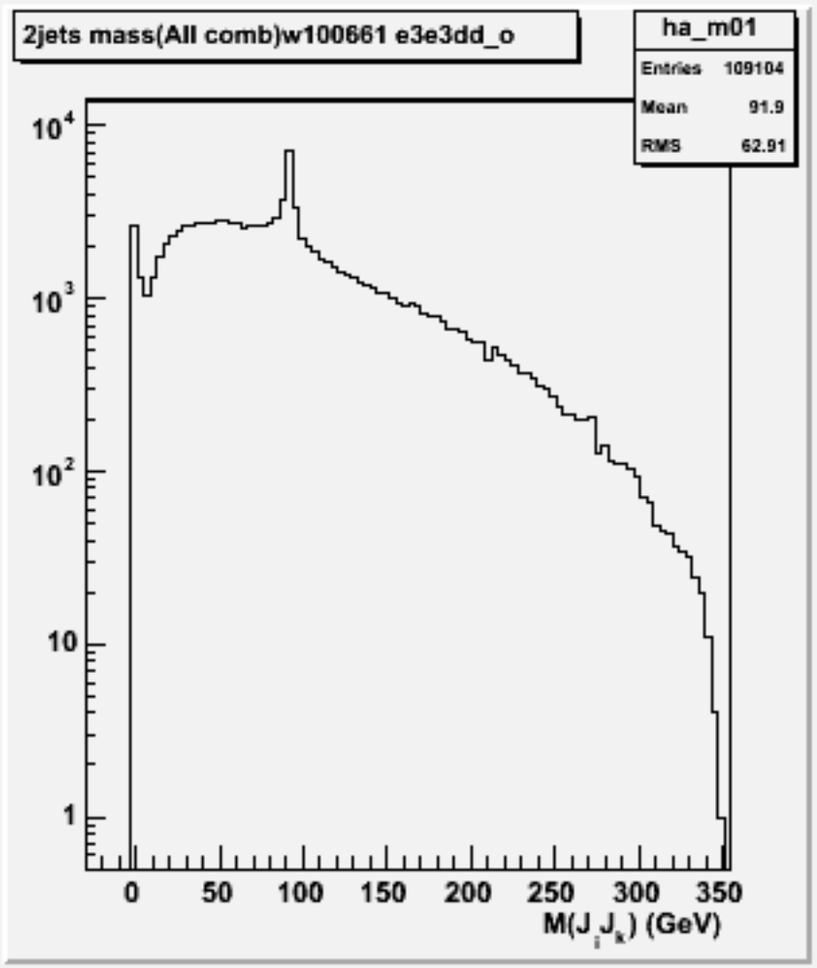

cosθ for 2-jets :w100661 e3e3dd_o
h_j0cs
Entries 38230
Mean 0.08712
RMS 0.8354
cos θ(jet)

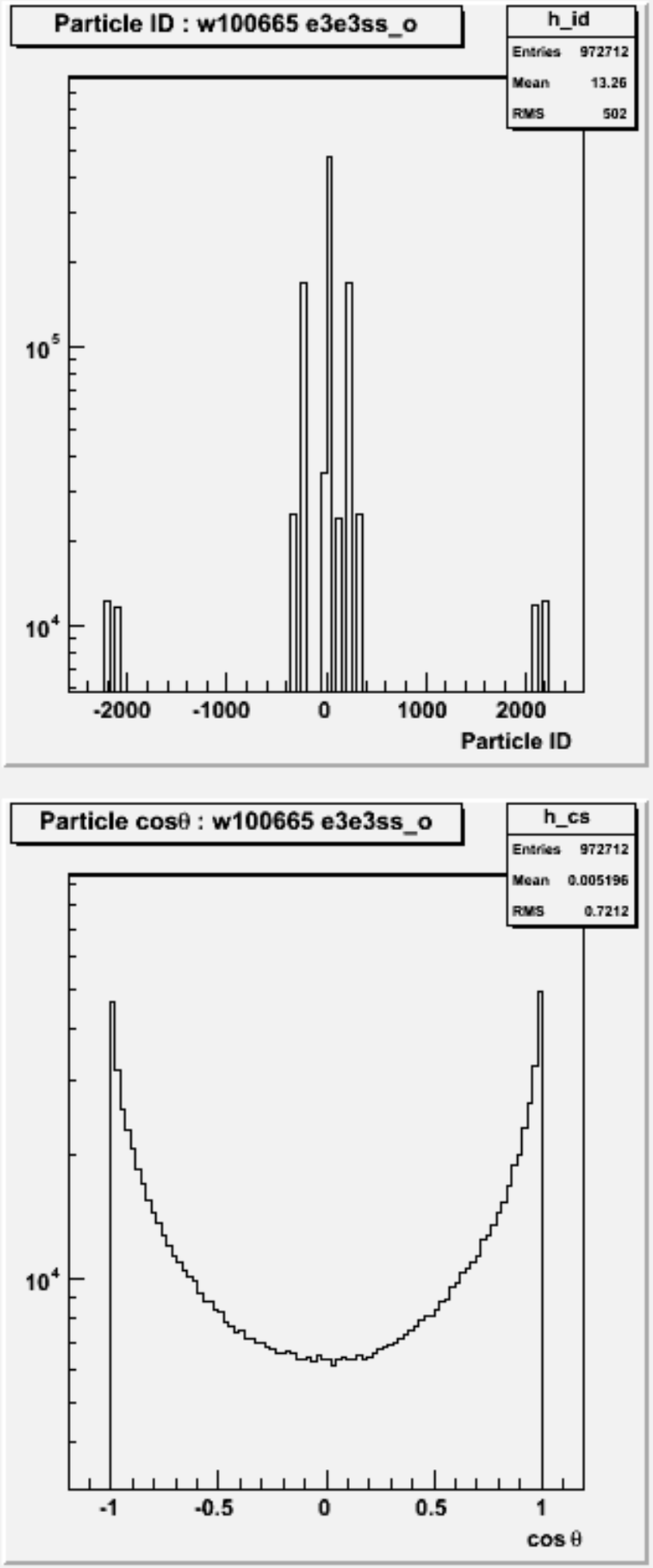

Jet mass for forced 2-jets : w100661 e3e3dd_o
h_j0mj1m
Entries 19115
Mean x 86.03
Mean y 56.94
RMS x 92.63
RMS y 45.38
Mass(jet2)
Mass(jet1)

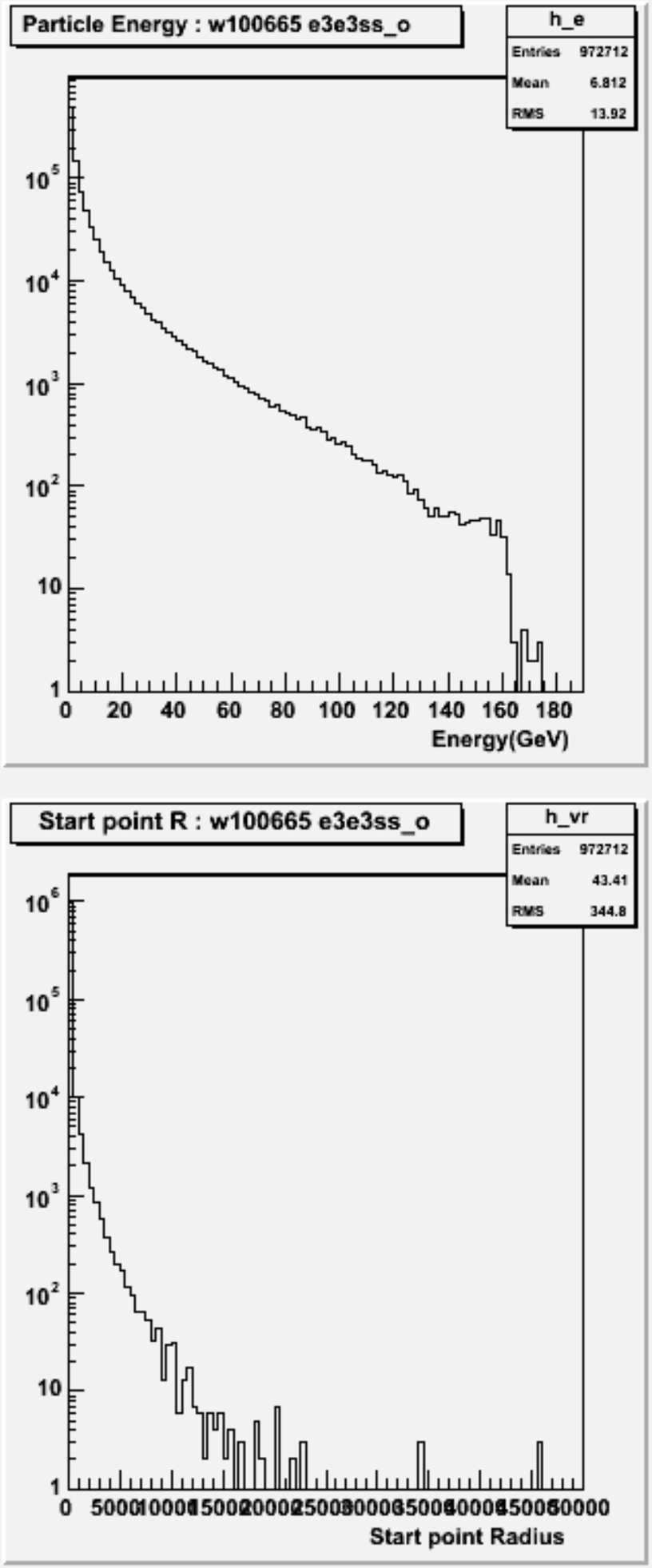

Ycut for 4-jets :w100661 e3e3dd_o
h_yc4j
Entries 18184
Mean 0.01757
RMS 0.03254
ycut for forced 4-jets

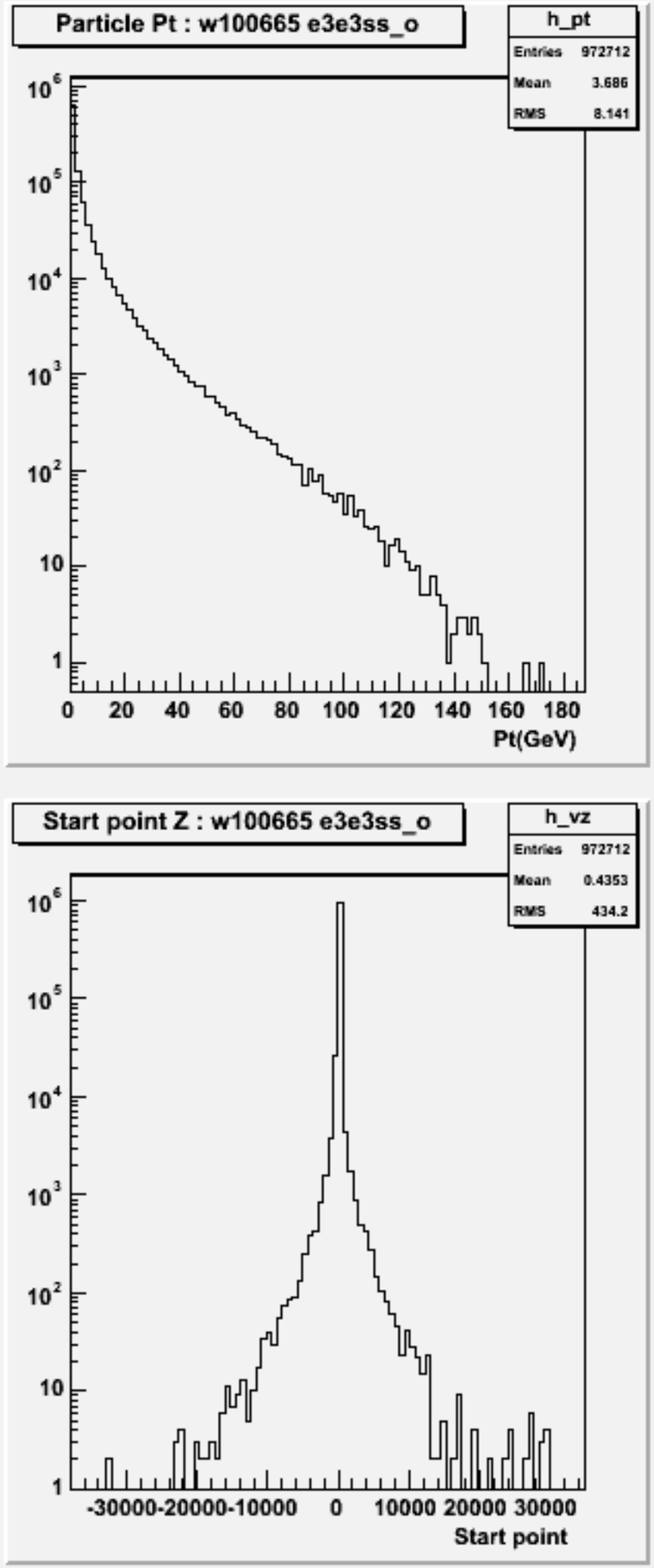

Jet energies(All jets)w100661 e3e3dd_o
ha_j0e
Entries 72736
Mean 68.39
RMS 46.79
E(Jet)


Jet cos θ (All jets)w100661 e3e3dd_o
ha_j0cs
Entries 72736
Mean 0.07473
RMS 0.7634
cos θ


2jets mass(All comb)w100661 e3e3dd_o
ha_m01
Entries 109104
Mean 91.9
RMS 62.91
M(J_iJ_k) (GeV)


Particle ID : w100665 e3e3ss_o
h_id
Entries 972712
Mean 13.26
RMS 502
10^5
10^4
-2000 -1000 0 1000 2000
Particle ID

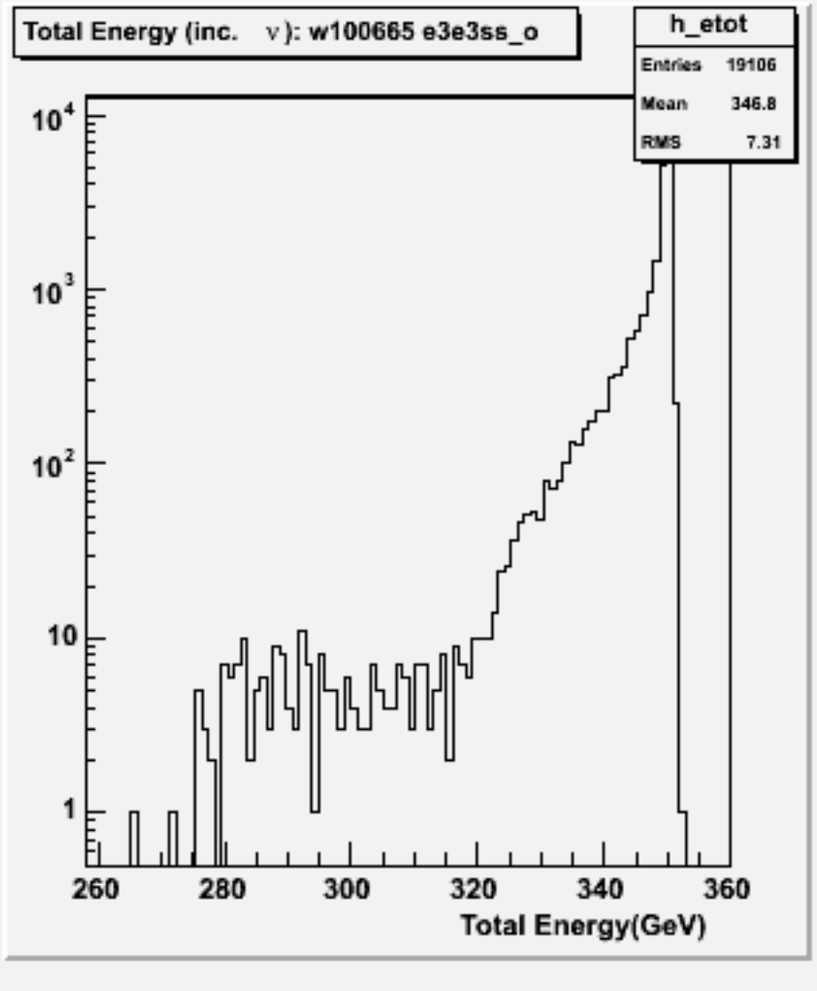

Particle Energy : w100665 e3e3ss_o
h_e
Entries 972712
Mean 6.812
RMS 13.92
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

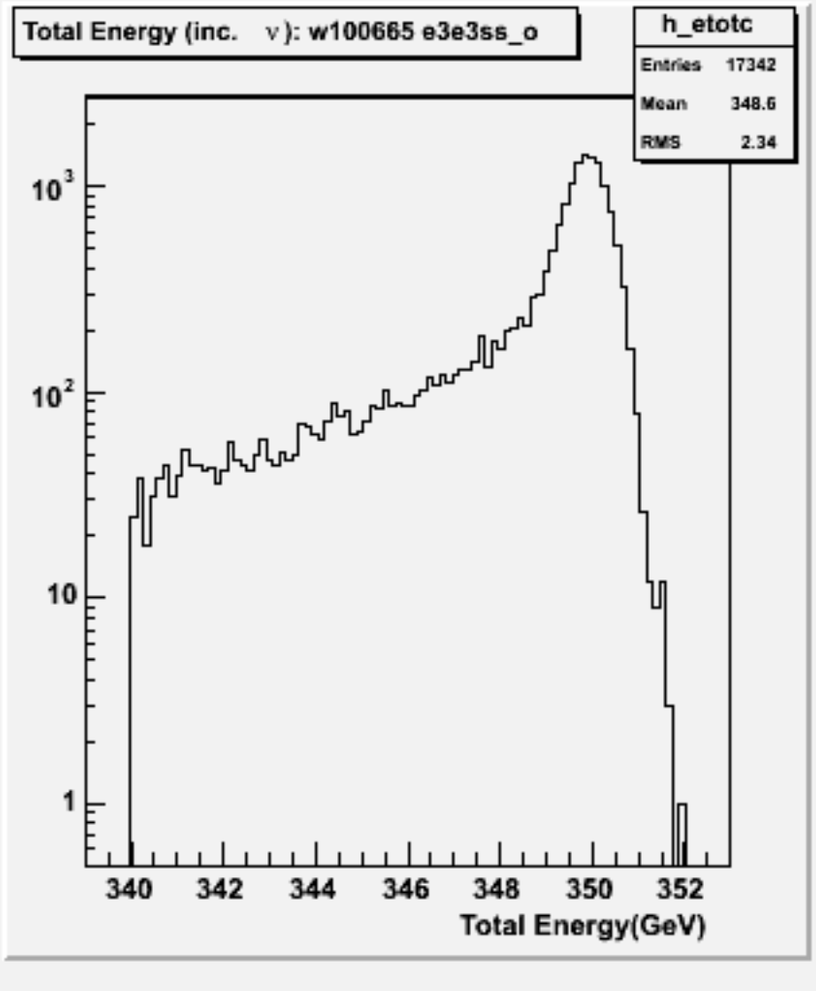

Particle Pt : w100665 e3e3ss_o
h_pt
Entries 972712
Mean 3.686
RMS 8.141
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Pt(GeV)

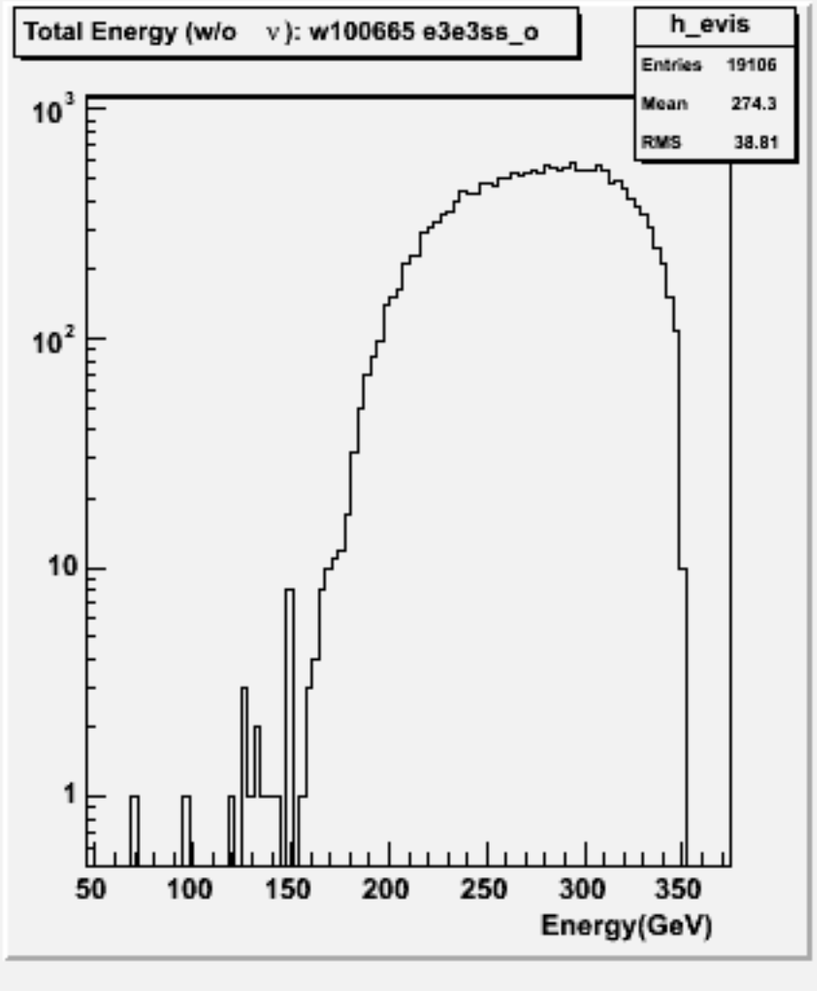
Particle cosθ : w100665 e3e3ss_o
h_cs
Entries 972712
Mean 0.005196
RMS 0.7212
10^4
-1 -0.5 0 0.5 1
cos θ

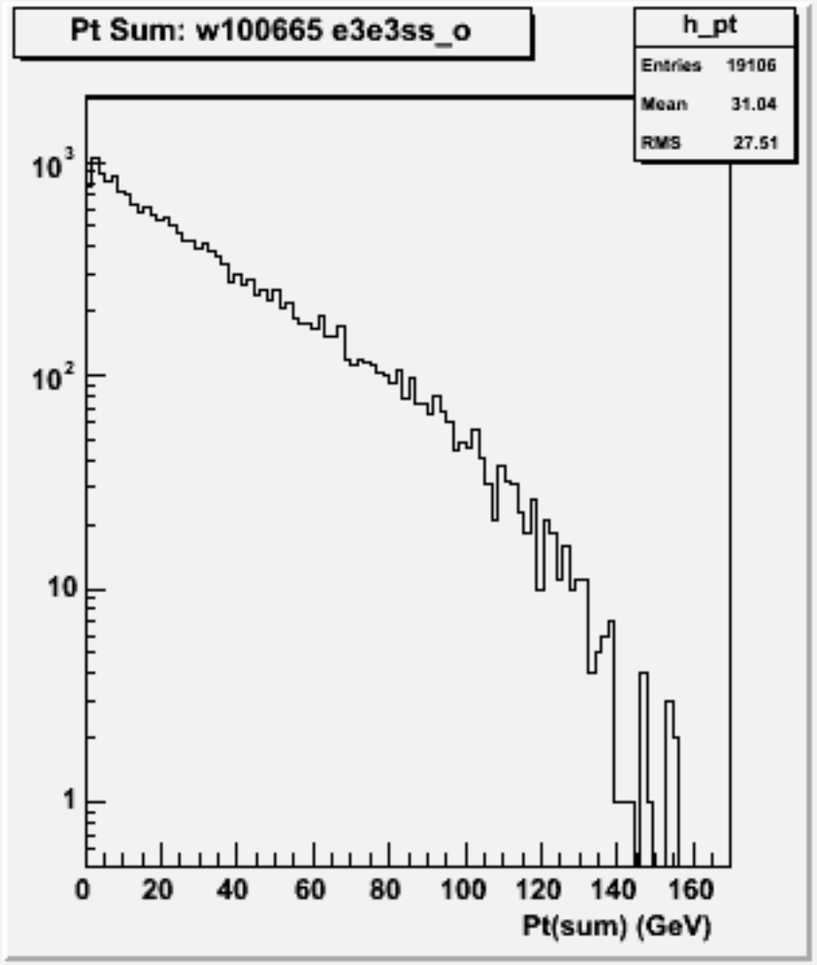
Start point R : w100665 e3e3ss_o
h_vr
Entries 972712
Mean 43.41
RMS 344.8
10^6
10^5
10^4
10^3
10^2
10
1
0 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
Start point Radius

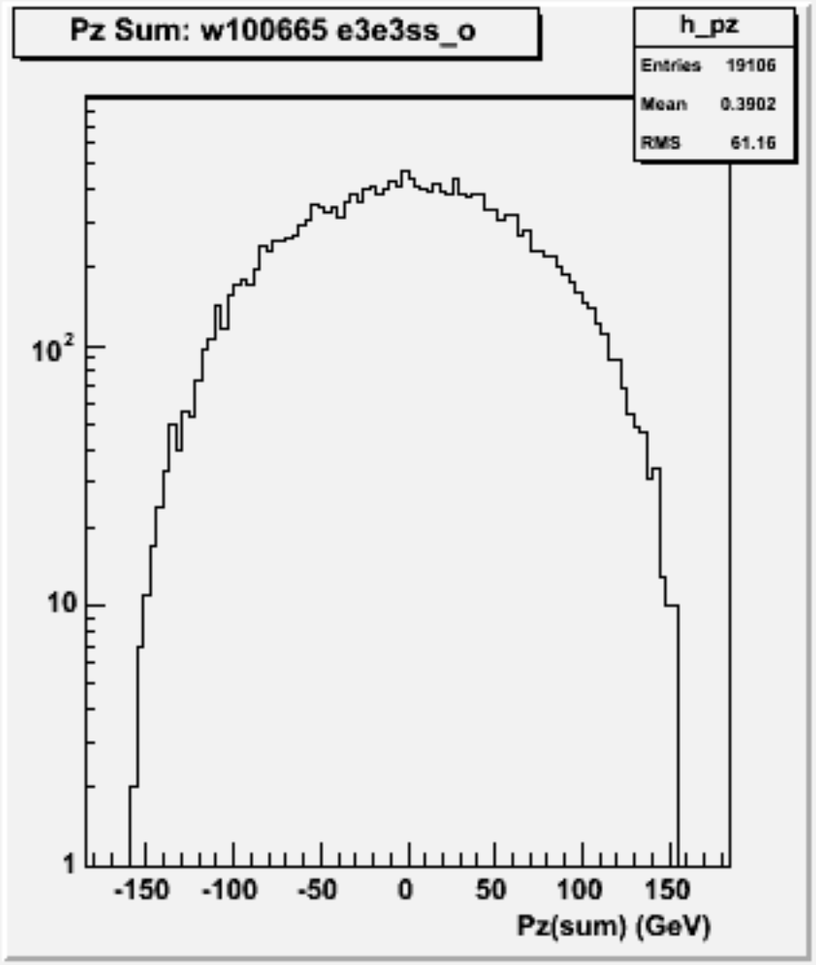
Start point Z : w100665 e3e3ss_o
h_vz
Entries 972712
Mean 0.4353
RMS 434.2
10^6
10^5
10^4
10^3
10^2
10
1
-30000 -20000 -10000 0 10000 20000 30000
Start point

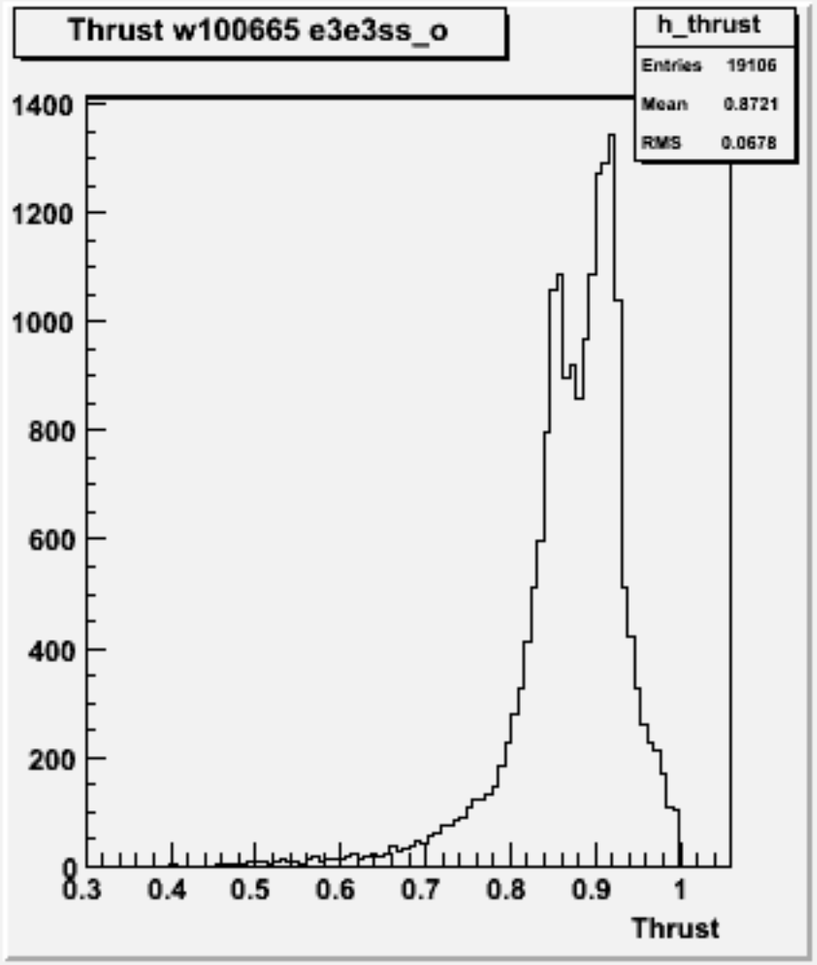

Total Energy (inc. ν): w100665 e3e3ss_o
h_etot
Entries 19106
Mean 346.8
RMS 7.31
Total Energy(GeV)

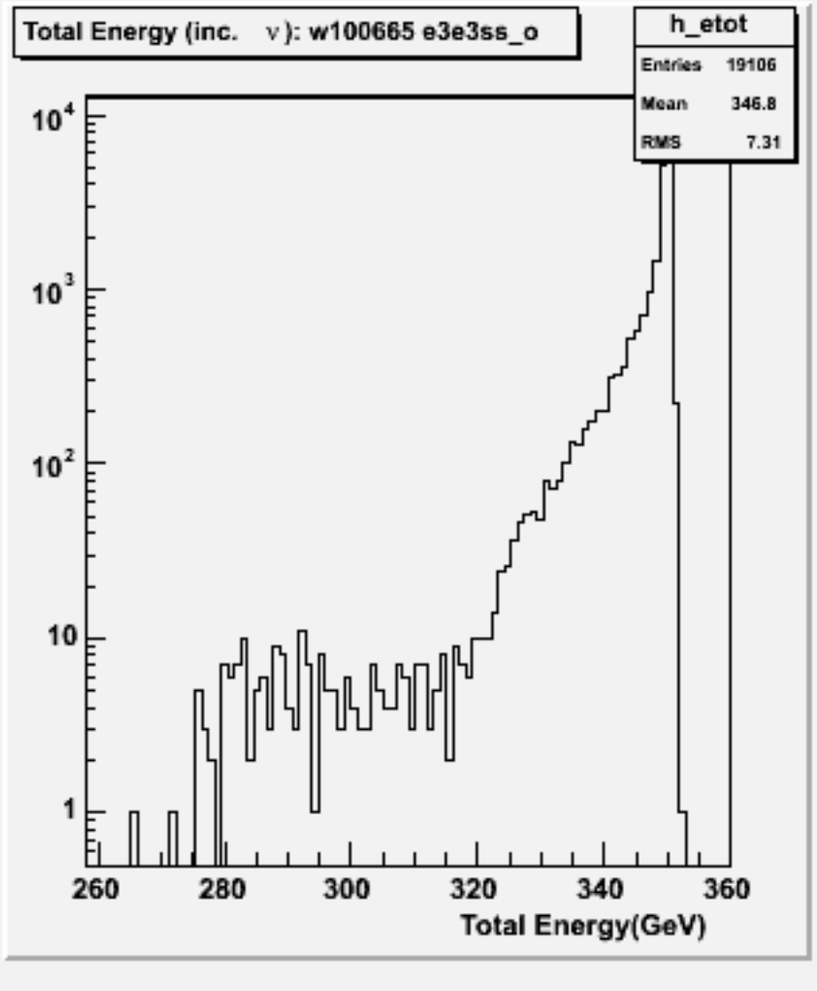

Total Energy (inc. ν): w100665 e3e3ss_o
h_etotc
Entries 17342
Mean 348.6
RMS 2.34
Total Energy(GeV)

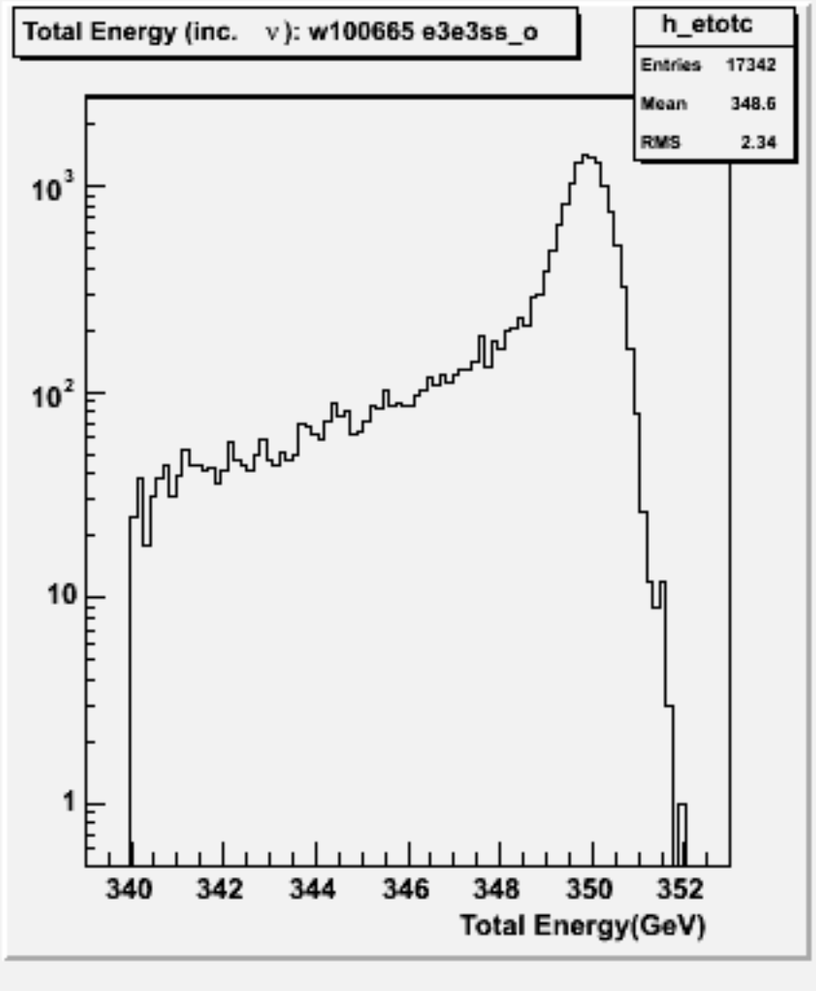

Total Energy (w/o ν): w100665 e3e3ss_o
h_evis
Entries 19106
Mean 274.3
RMS 38.81
Energy(GeV)

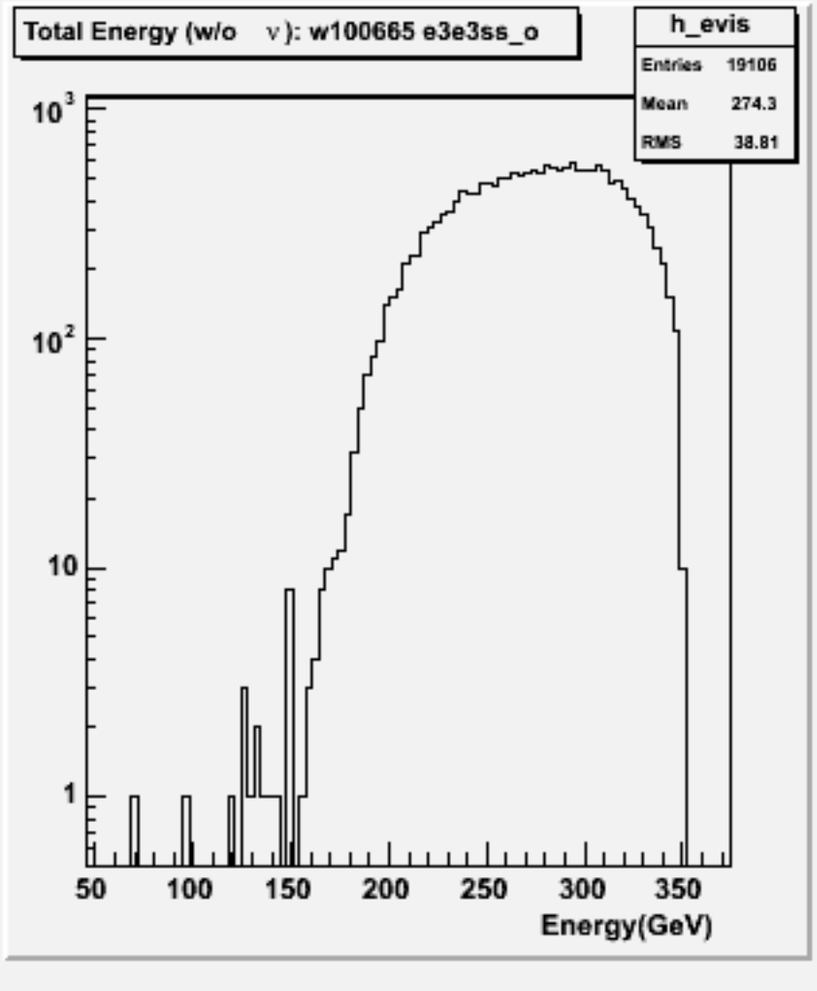

Pt Sum: w100665 e3e3ss_o
h_pt
Entries 19106
Mean 31.04
RMS 27.51
Pt(sum) (GeV)

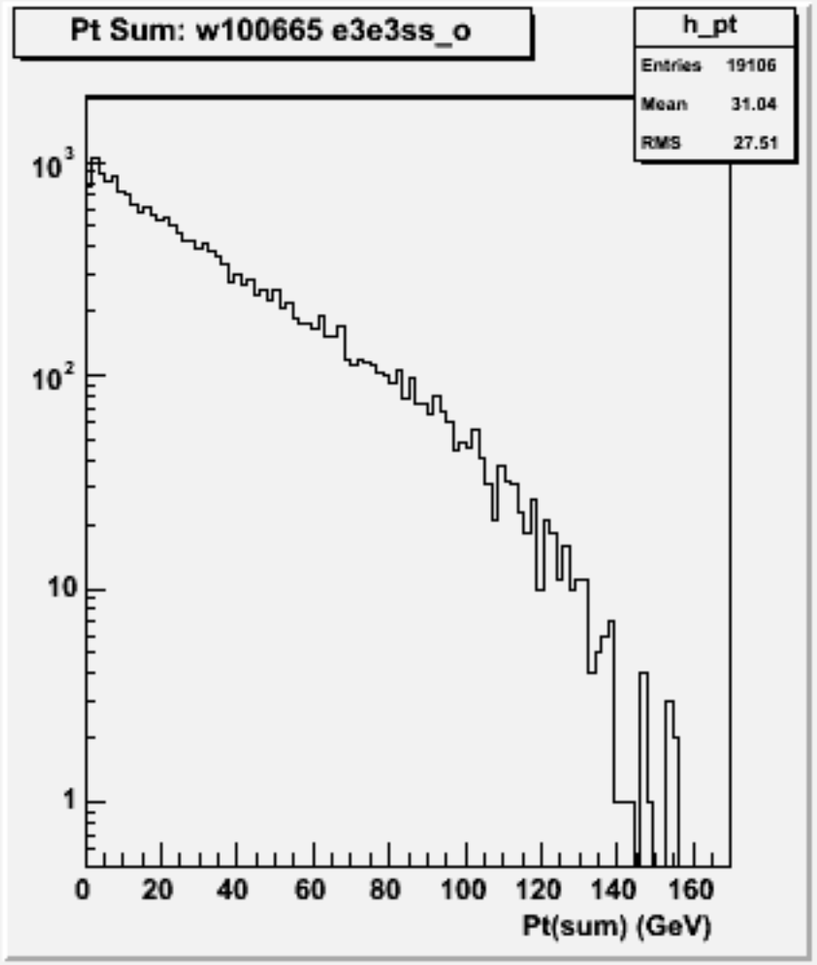

Pz Sum: w100665 e3e3ss_o
h_pz
Entries 19106
Mean 0.3902
RMS 61.16
Pz(sum) (GeV)

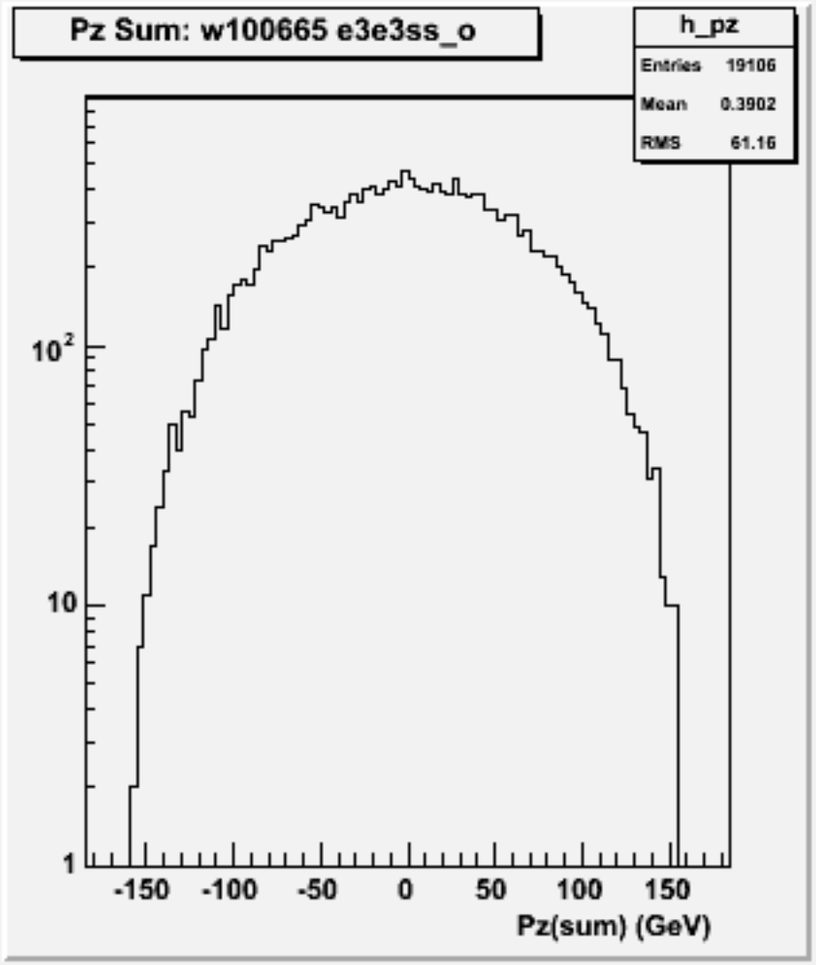

Thrust w100665 e3e3ss_o
h_thrust
Entries 19106
Mean 0.8721
RMS 0.0678
Thrust

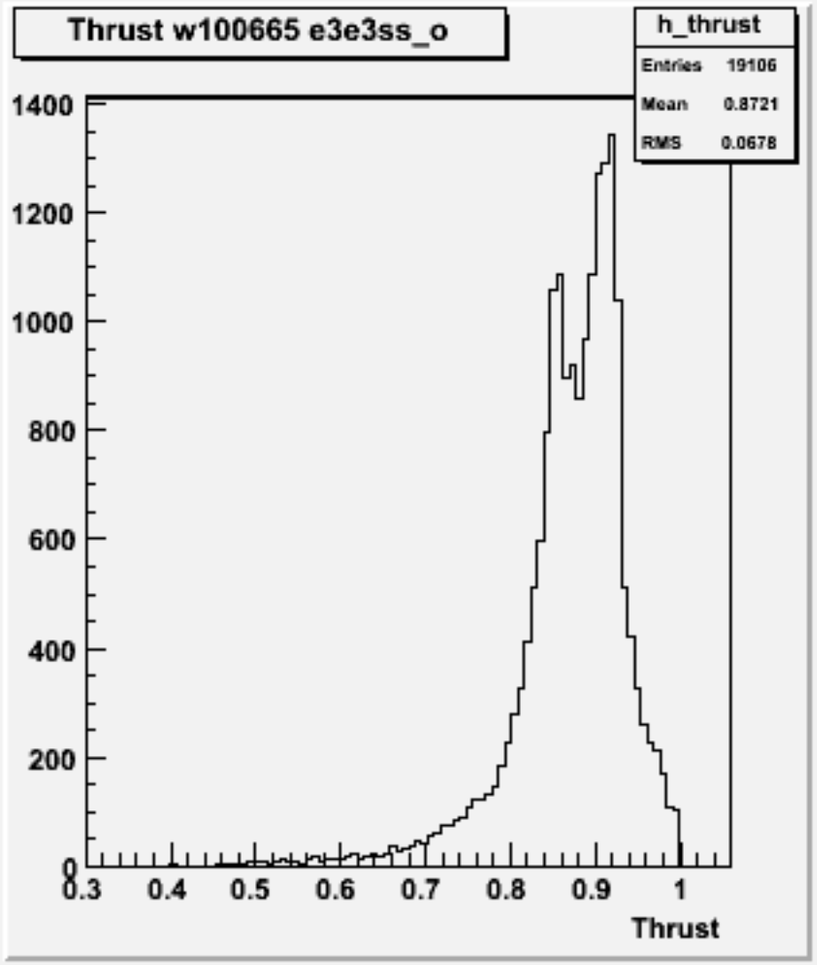

Total Energy (inc. ν): w100665 e3e3ss_o
h_etot
Entries 19106
Mean 346.8
RMS 7.31
Total Energy(GeV)

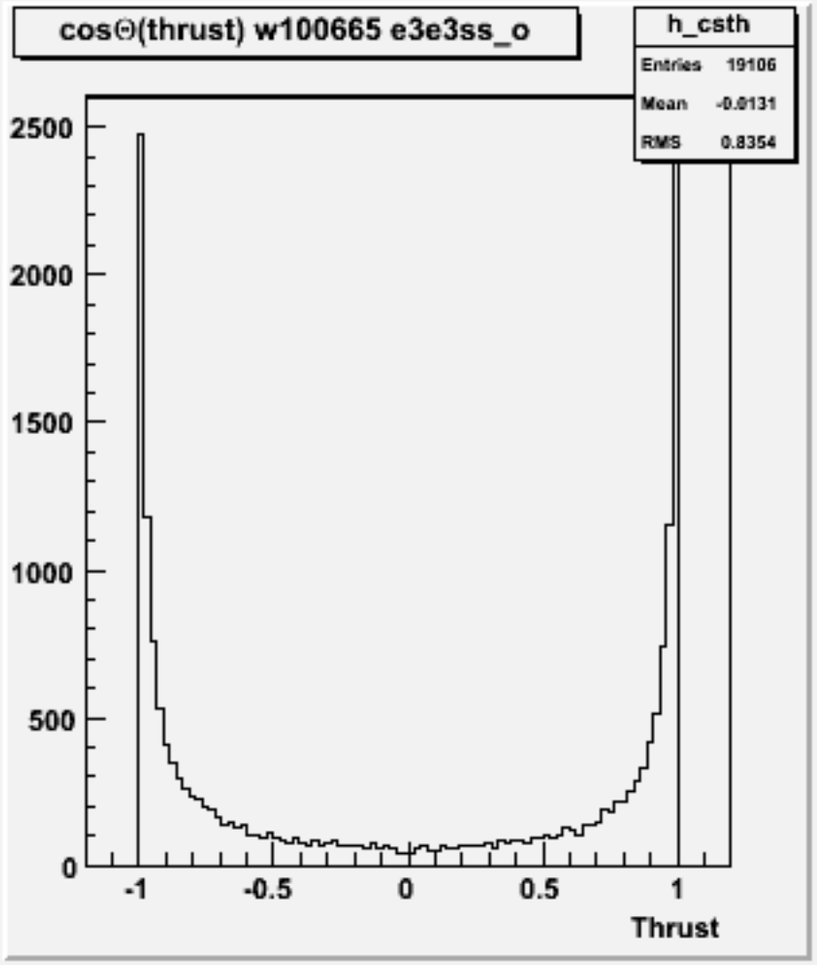

Total Energy (inc. ν): w100665 e3e3ss_o
h_etotc
Entries 17342
Mean 348.6
RMS 2.34
Total Energy(GeV)

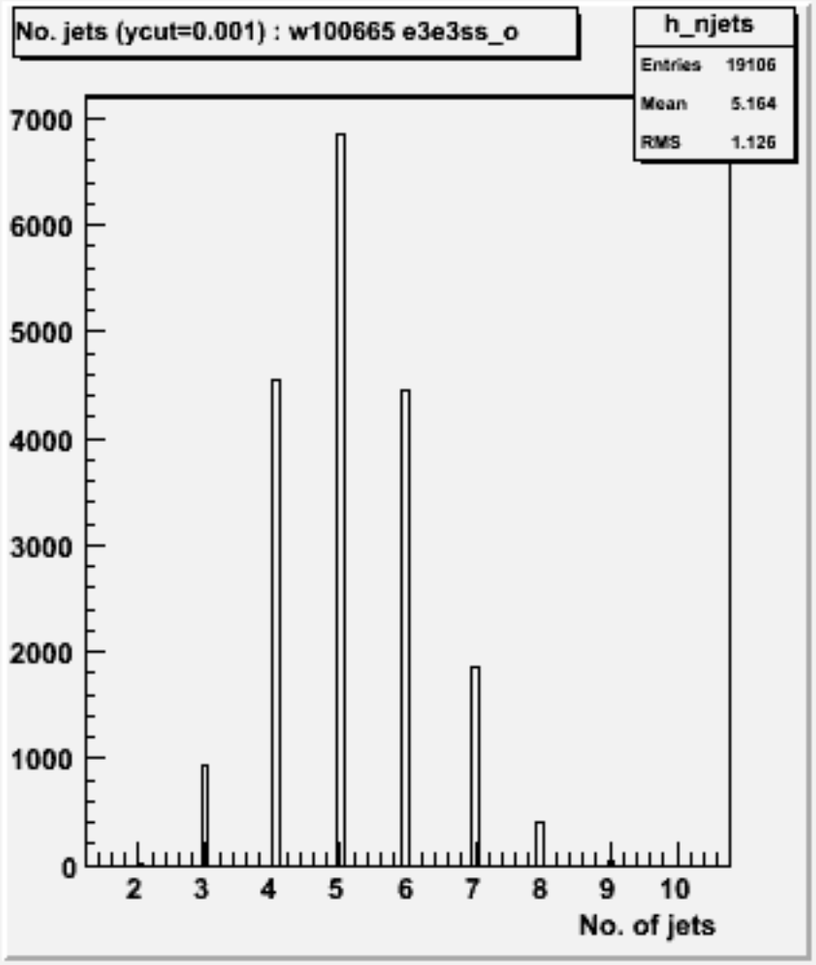

Total Energy (w/o ν): w100665 e3e3ss_o
h_evis
Entries 19106
Mean 274.3
RMS 38.81
Energy(GeV)

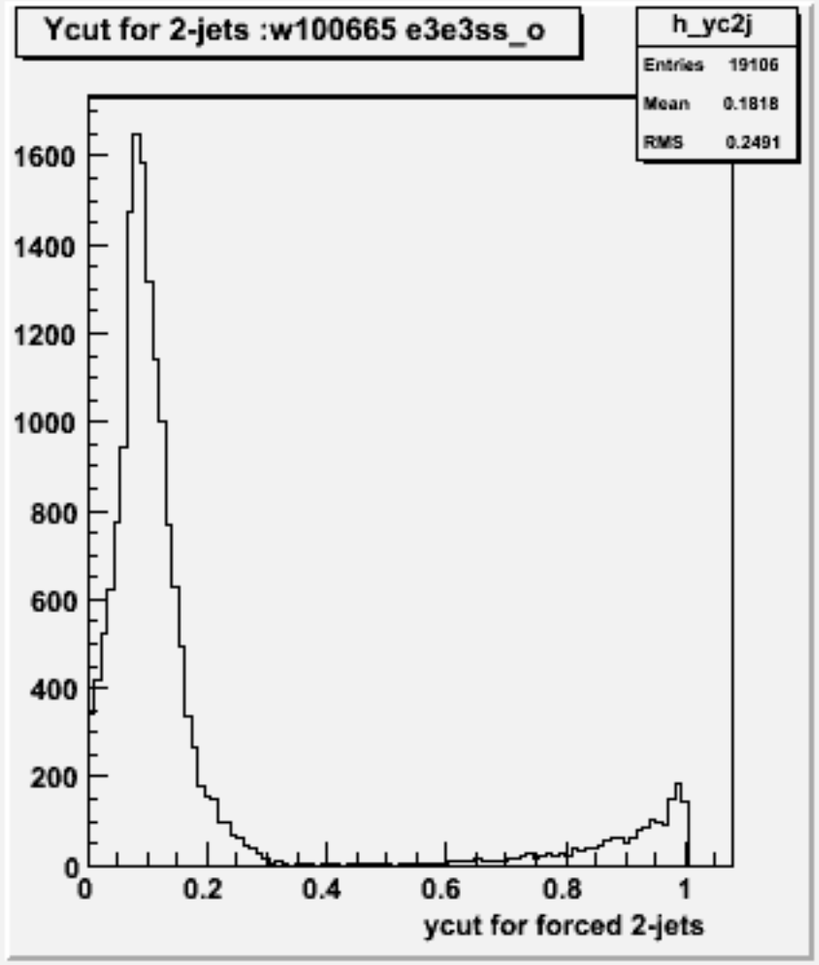

Pt Sum: w100665 e3e3ss_o
h_pt
Entries 19106
Mean 31.04
RMS 27.51
Pt(sum) (GeV)

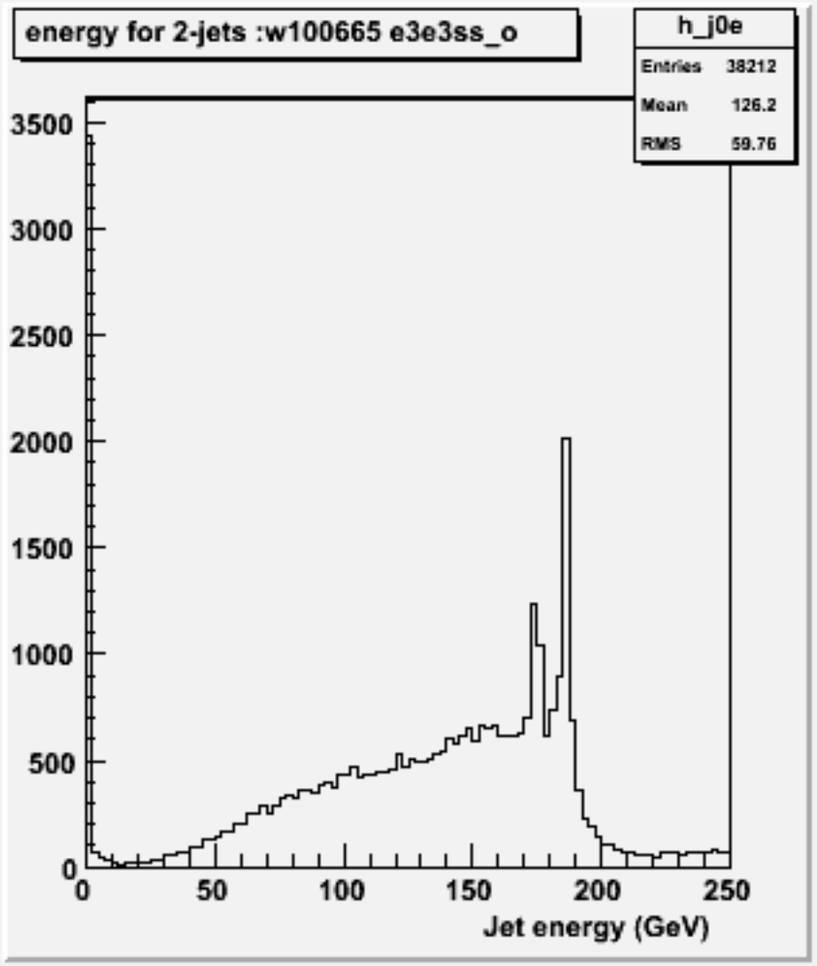

Pz Sum: w100665 e3e3ss_o
h_pz
Entries 19106
Mean 0.3902
RMS 61.16
Pz(sum) (GeV)

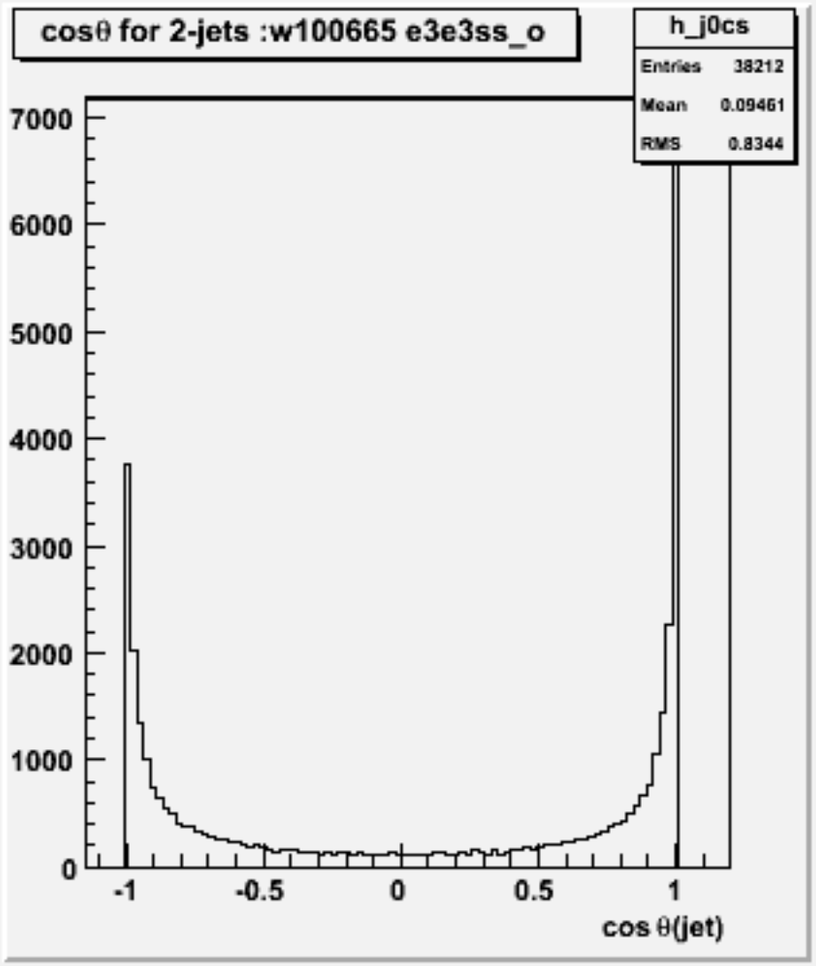

Thrust w100665 e3e3ss_o
h_thrust
Entries 19106
Mean 0.8721
RMS 0.0678
Thrust

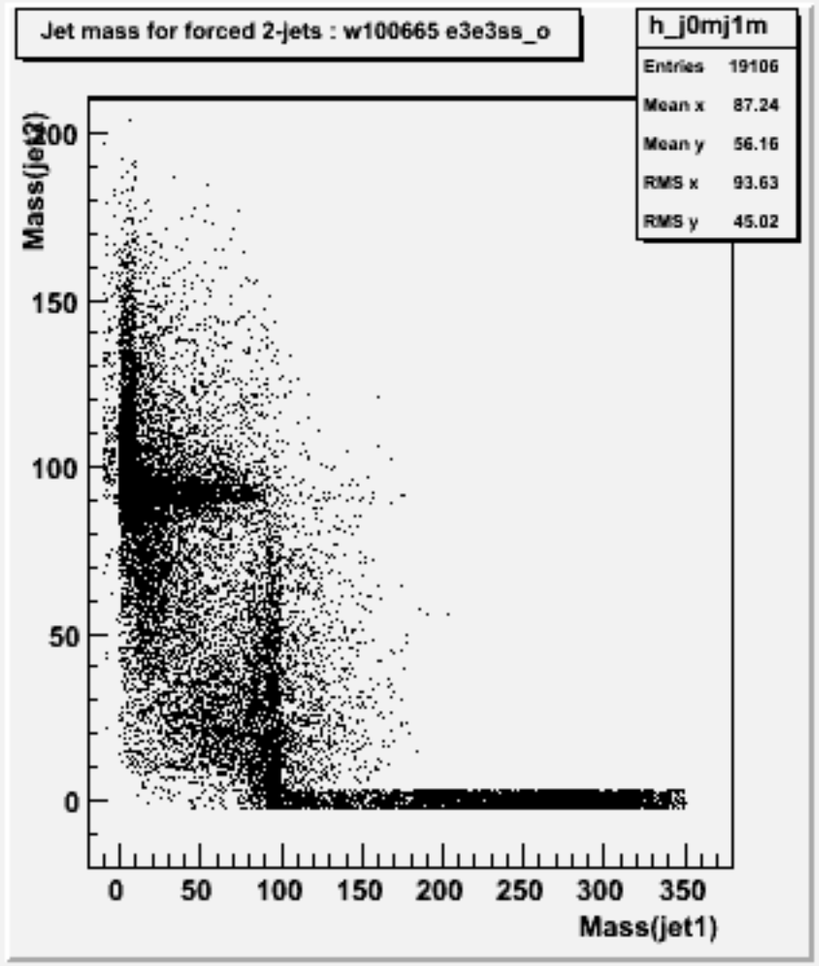

cosΘ(thrust) w100665 e3e3ss_o
h_csth
Entries 19106
Mean -0.0131
RMS 0.8354
2500
2000
1500
1000
500
0
-1
-0.5
0
0.5
1
Thrust

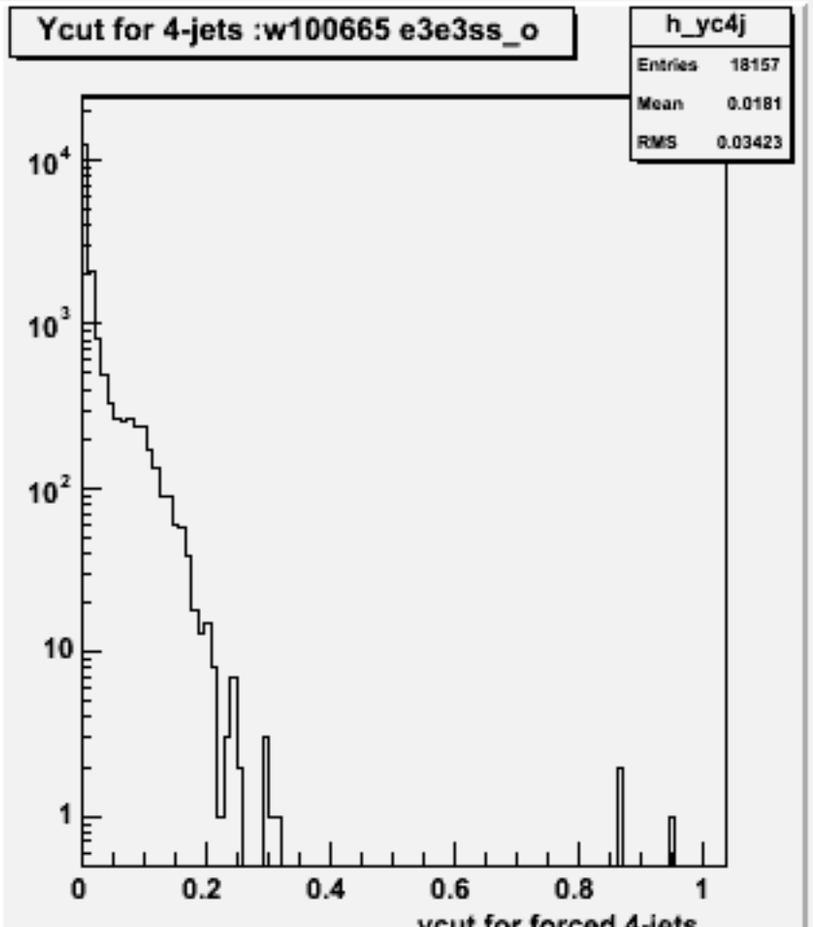

No. jets (ycut=0.001) : w100665 e3e3ss_o
h_njets
Entries 19106
Mean 5.164
RMS 1.126
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
9
10
No. of jets

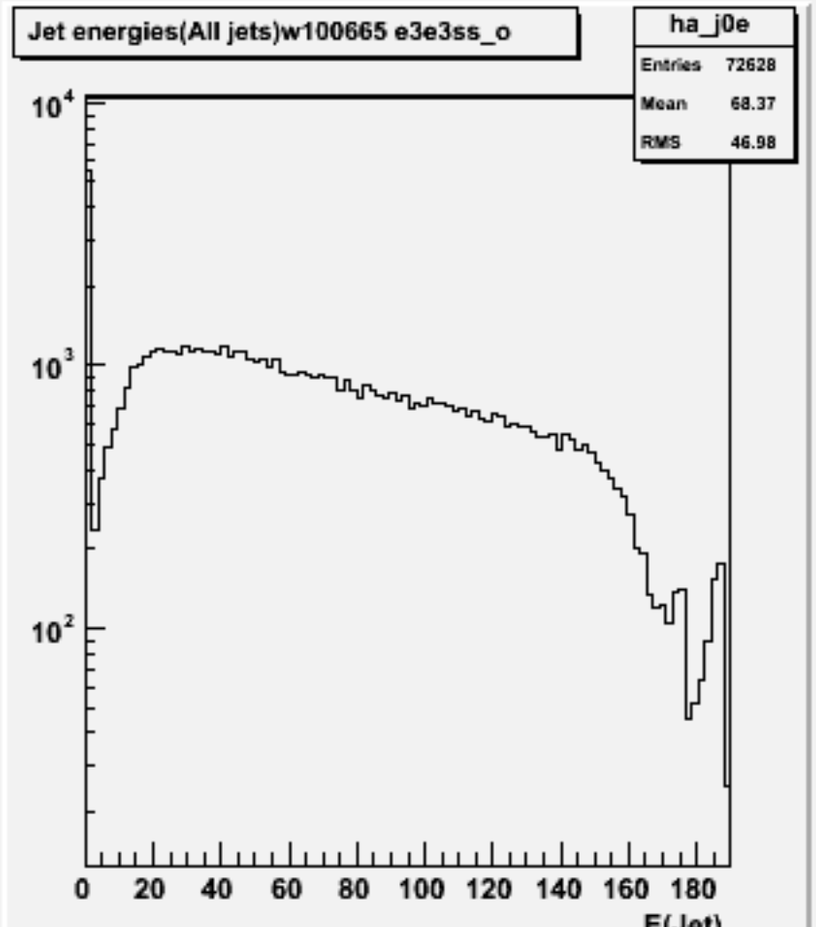

Ycut for 2-jets :w100665 e3e3ss_o
h_yc2j
Entries 19106
Mean 0.1818
RMS 0.2491
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
ycut for forced 2-jets

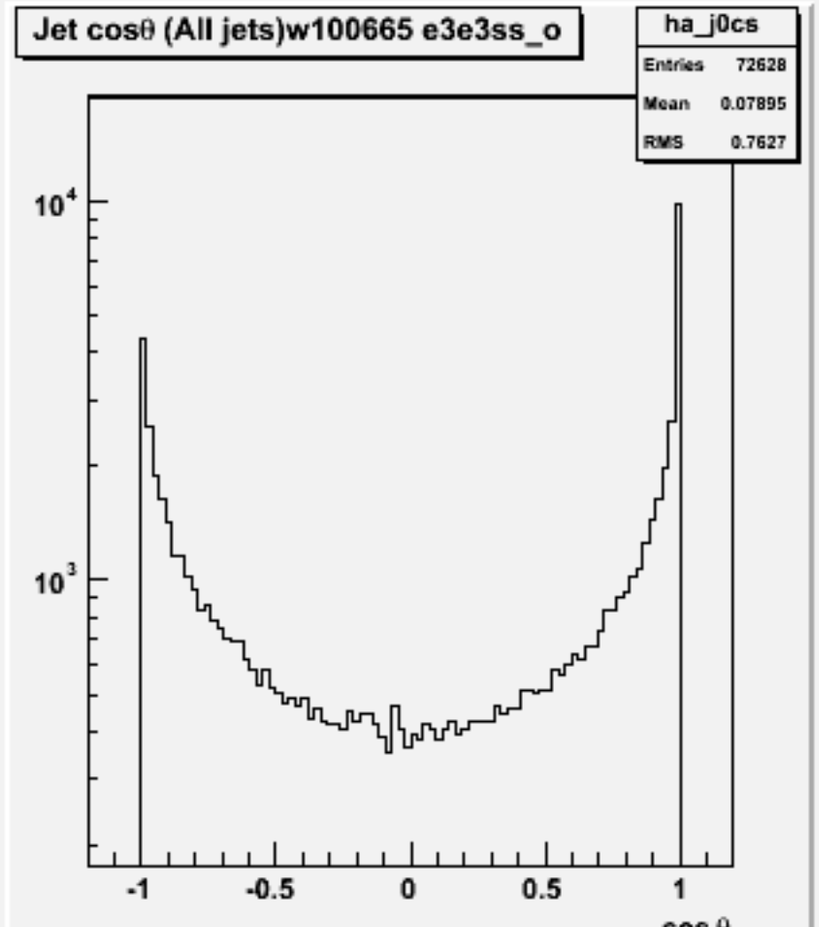

energy for 2-jets :w100665 e3e3ss_o
h_j0e
Entries 38212
Mean 126.2
RMS 59.76
3500
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
Jet energy (GeV)

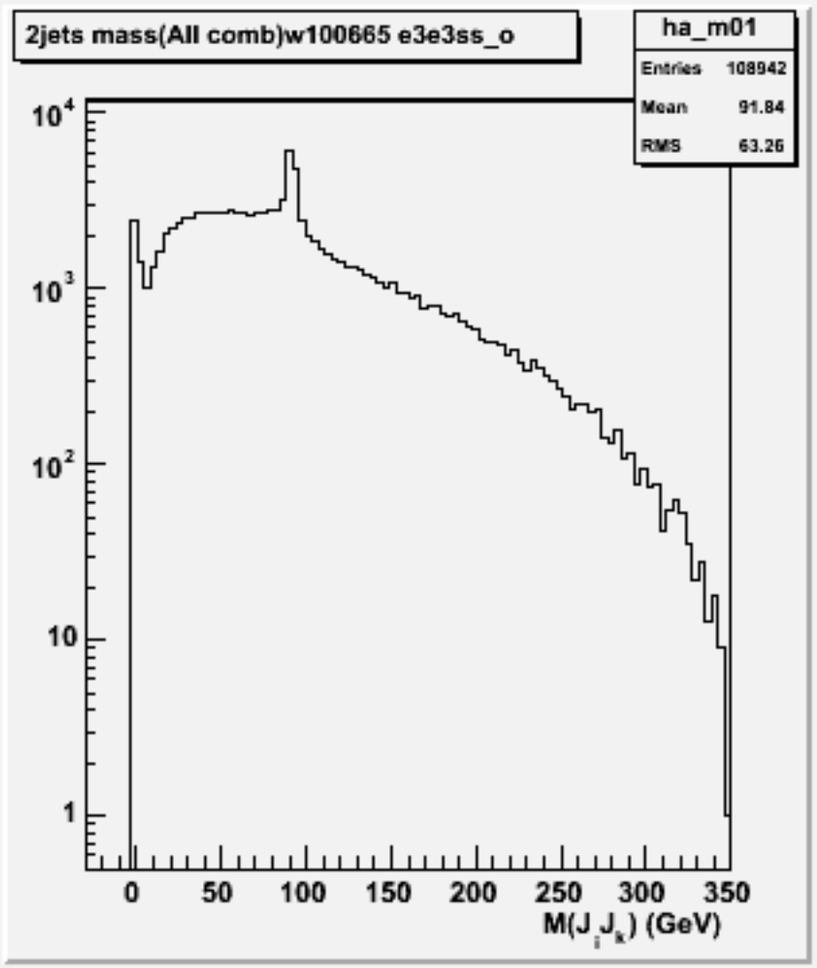

cosθ for 2-jets :w100665 e3e3ss_o
h_j0cs
Entries 38212
Mean 0.09461
RMS 0.8344
7000
6000
5000
4000
3000
2000
1000
0
-1
-0.5
0
0.5
1
cos θ(jet)

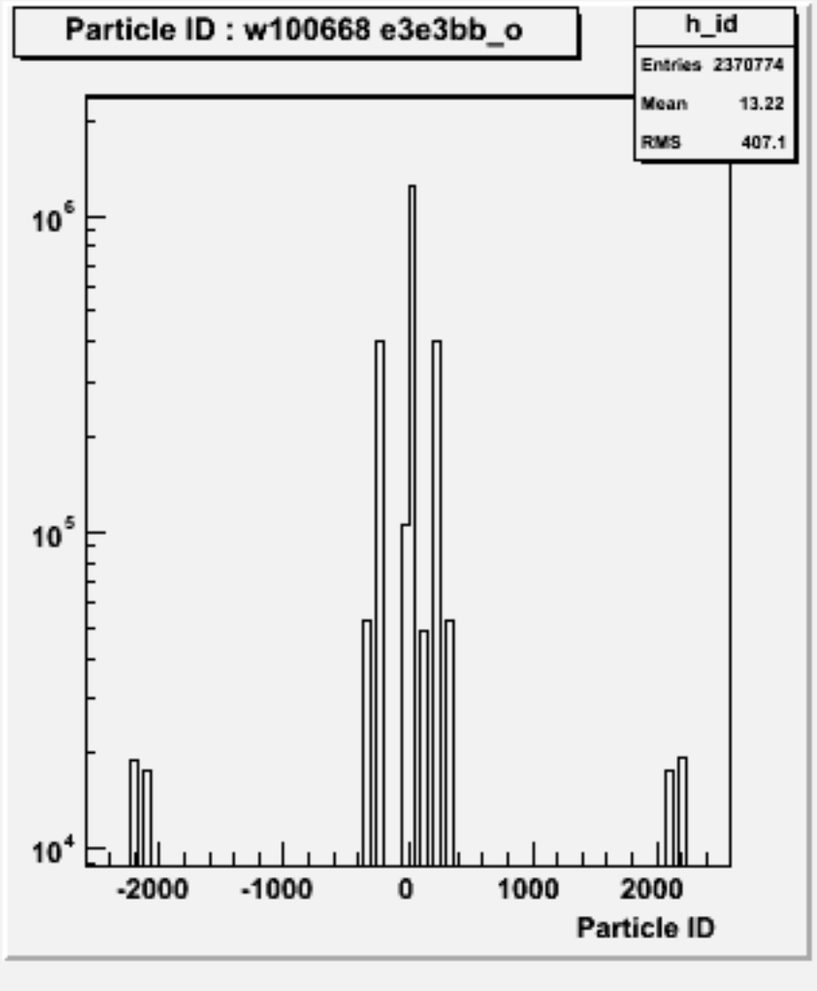

Jet mass for forced 2-jets : w100665 e3e3ss_o
h_j0mj1m
Entries 19106
Mean x 87.24
Mean y 56.16
RMS x 93.63
RMS y 45.02
Mass(jet2)
200
150
100
50
0
0
50
100
150
200
250
300
350
Mass(jet1)

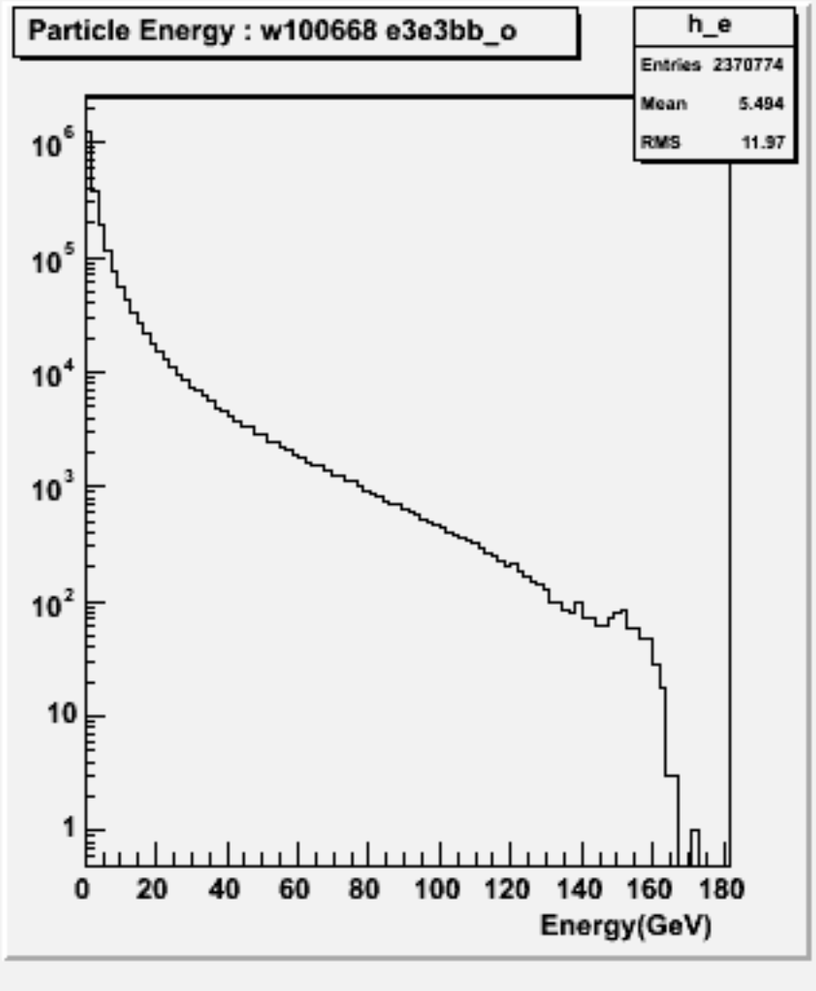

Ycut for 4-jets :w100665 e3e3ss_o
h_yc4j
Entries 18157
Mean 0.0181
RMS 0.03423
ycut for forced 4-jets

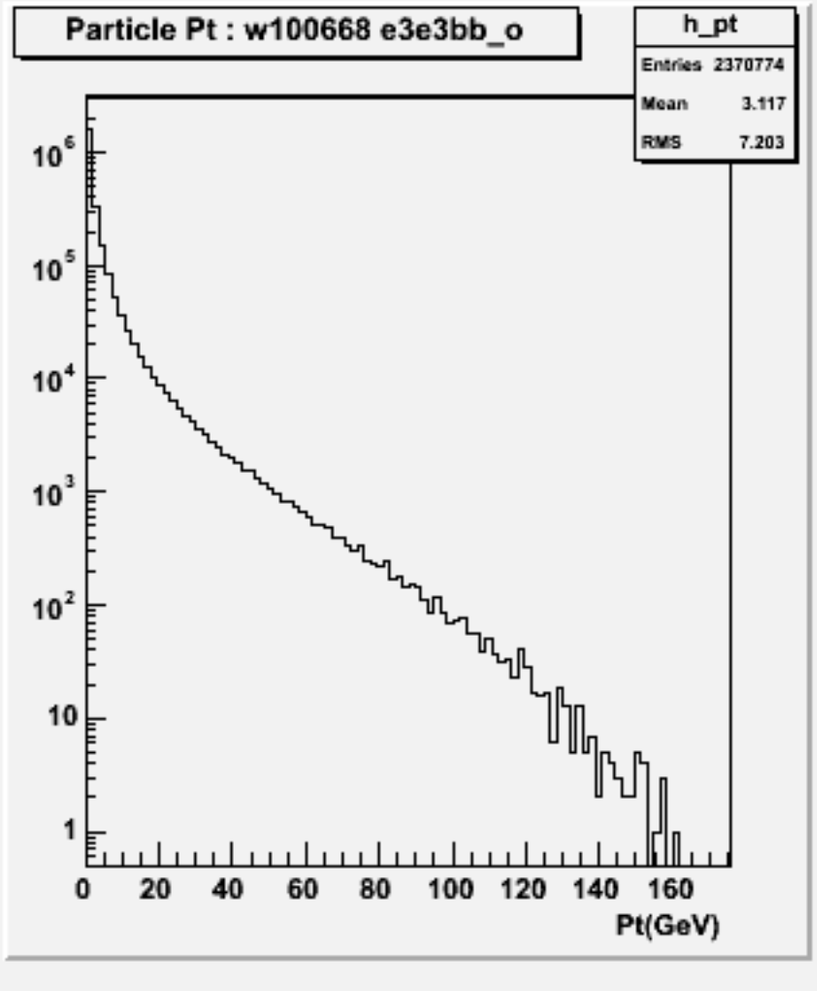

Jet energies(All jets)w100665 e3e3ss_o
ha_j0e
Entries 72628
Mean 68.37
RMS 46.98
E(Jet)

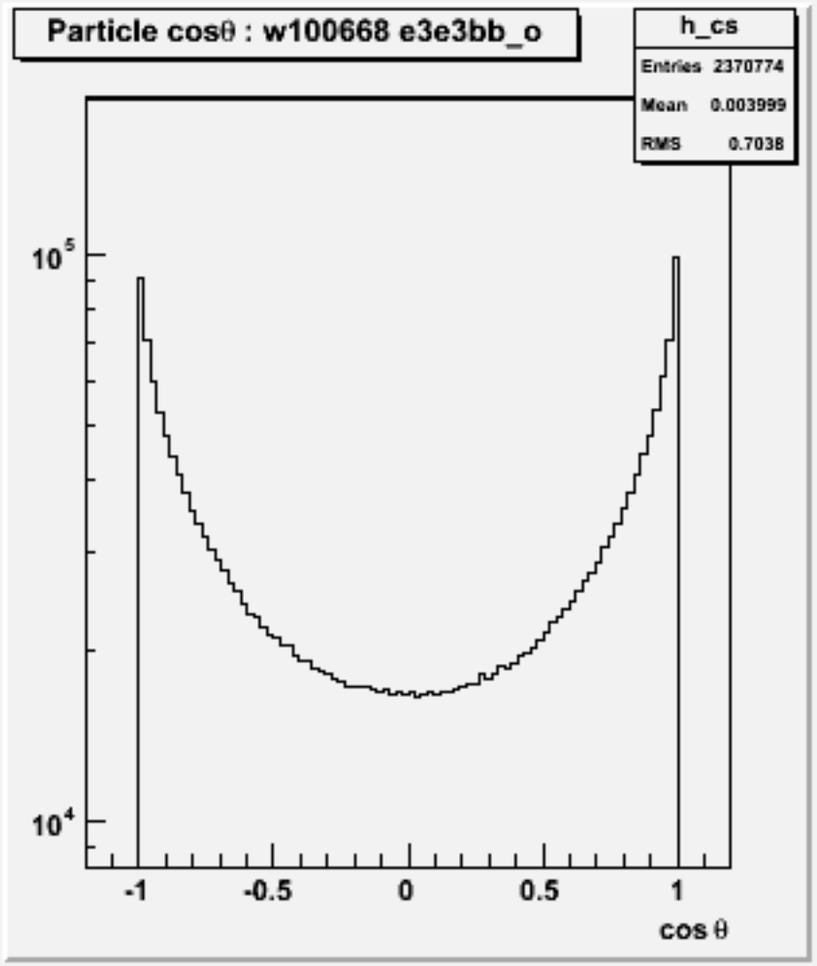

Jet cosθ (All jets)w100665 e3e3ss_o
ha_j0cs
Entries 72628
Mean 0.07895
RMS 0.7627
cos θ

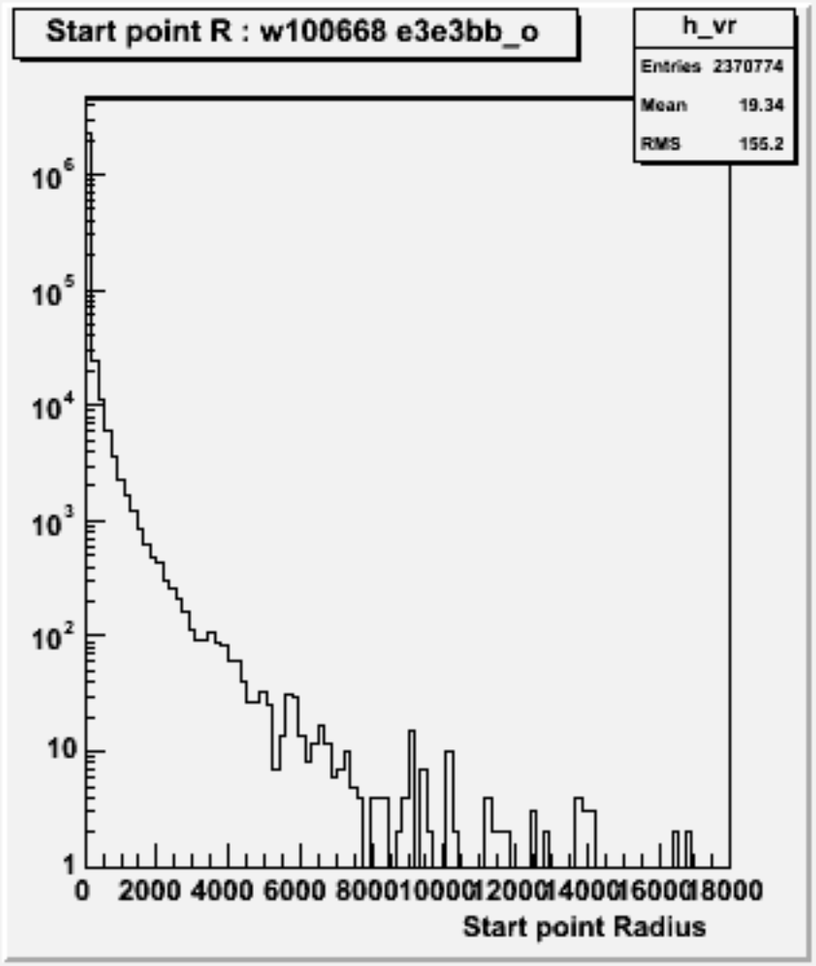

2jets mass(All comb)w100665 e3e3ss_o
ha_m01
Entries 108942
Mean 91.84
RMS 63.26
M(J_iJ_k) (GeV)

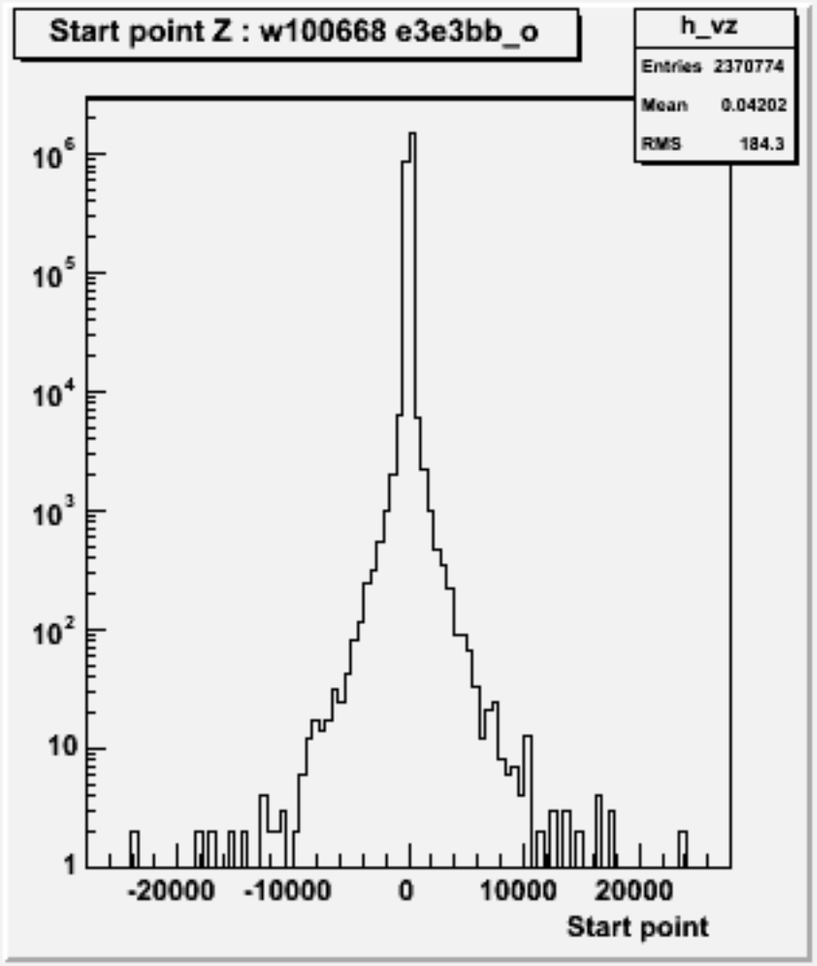

Particle ID : w100668 e3e3bb_o
h_id
Entries 2370774
Mean 13.22
RMS 407.1
Particle ID

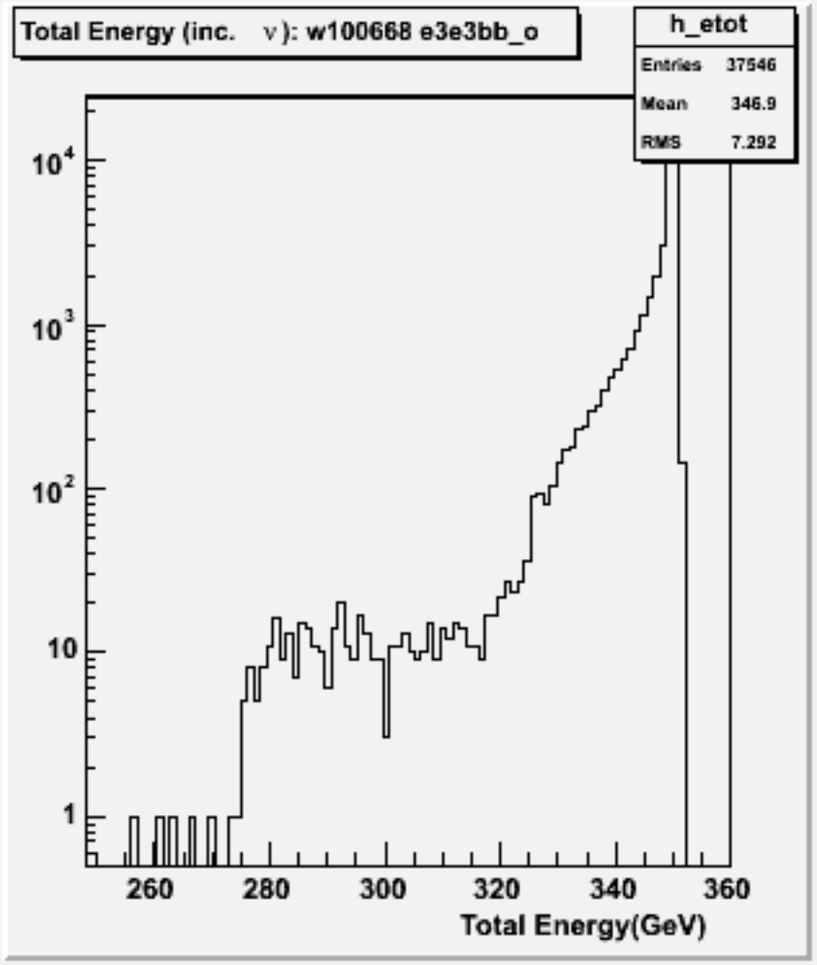

Particle Energy : w100668 e3e3bb_o
h_e
Entries 2370774
Mean 5.494
RMS 11.97
Energy(GeV)

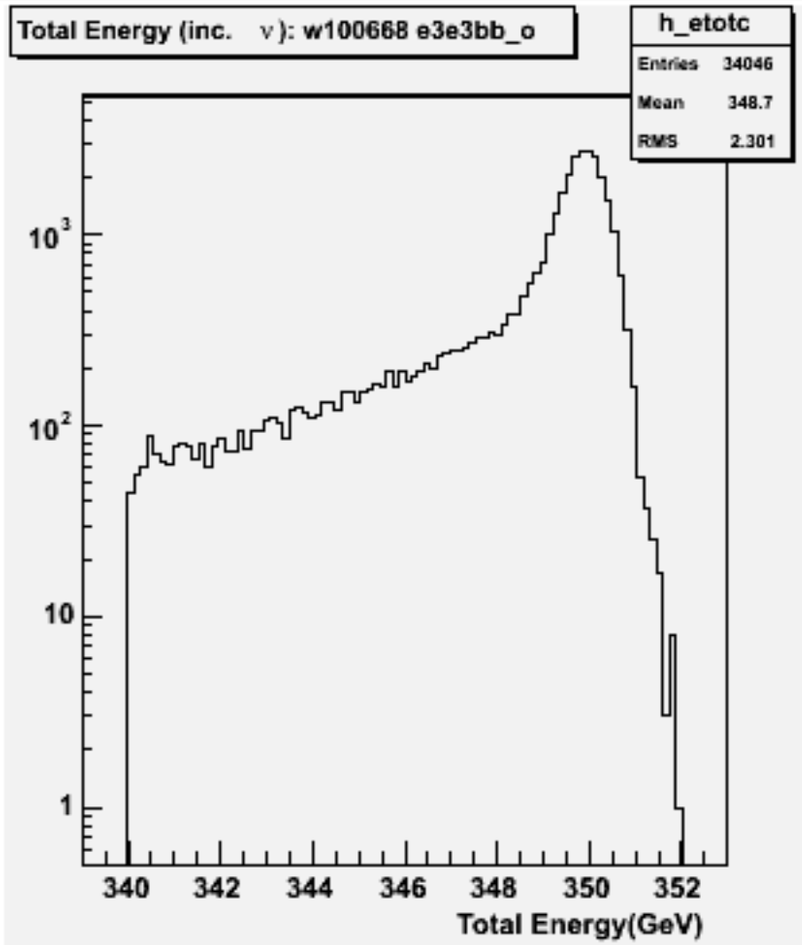

Particle Pt : w100668 e3e3bb_o
h_pt
Entries 2370774
Mean 3.117
RMS 7.203
Pt(GeV)

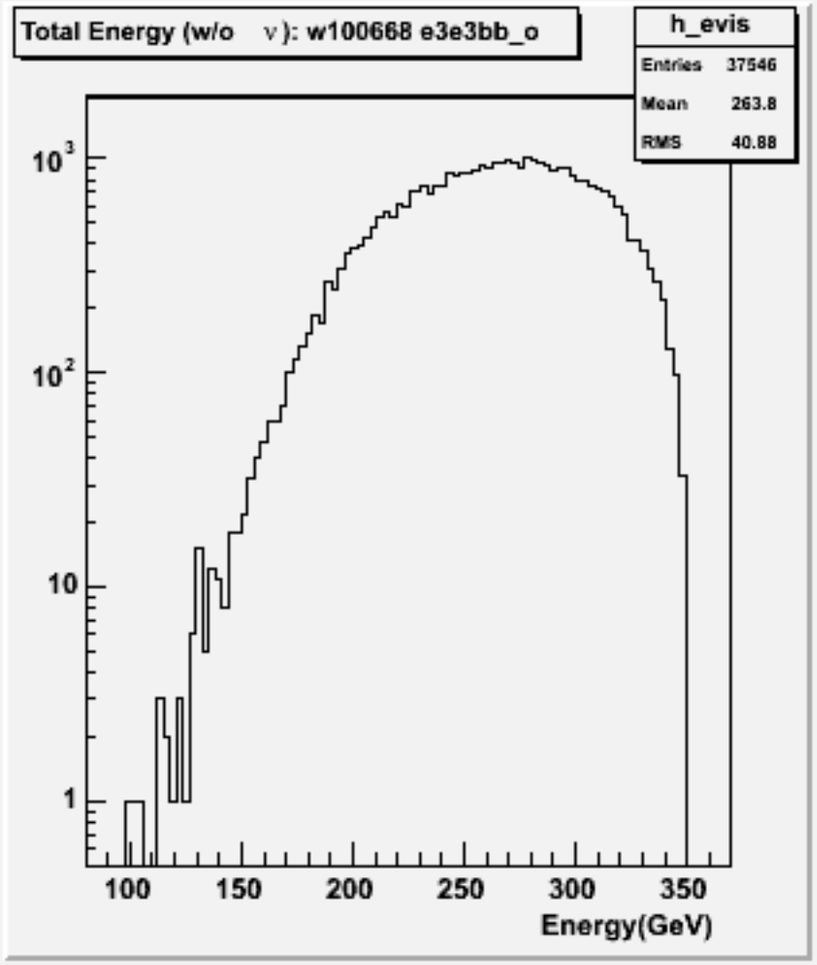

Particle cosθ : w100668 e3e3bb_o
h_cs
Entries 2370774
Mean 0.003999
RMS 0.7038
cos θ

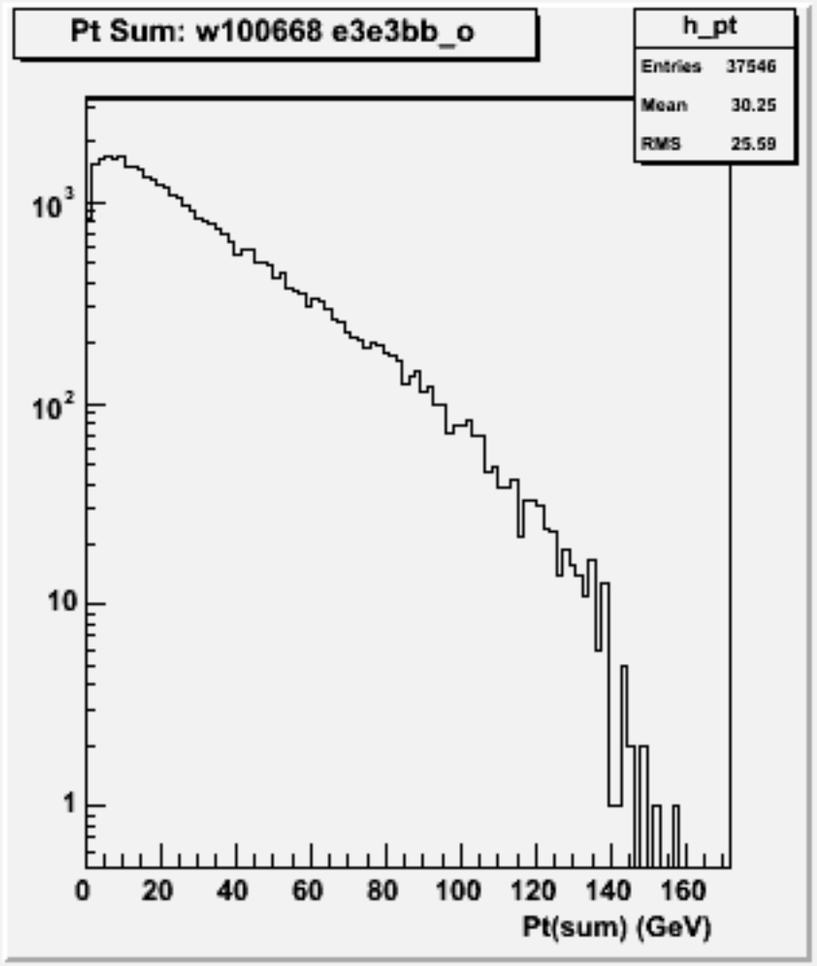

Start point R : w100668 e3e3bb_o
h_vr
Entries 2370774
Mean 19.34
RMS 155.2
Start point Radius

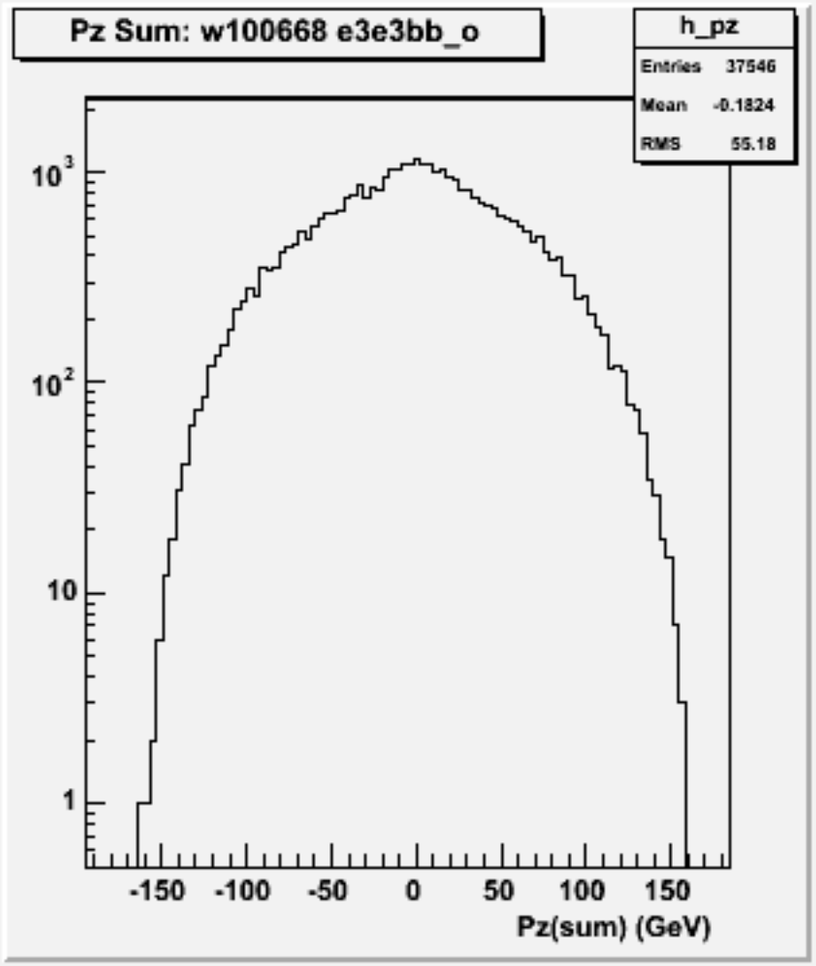

Start point Z : w100668 e3e3bb_o
h_vz
Entries 2370774
Mean 0.04202
RMS 184.3
Start point

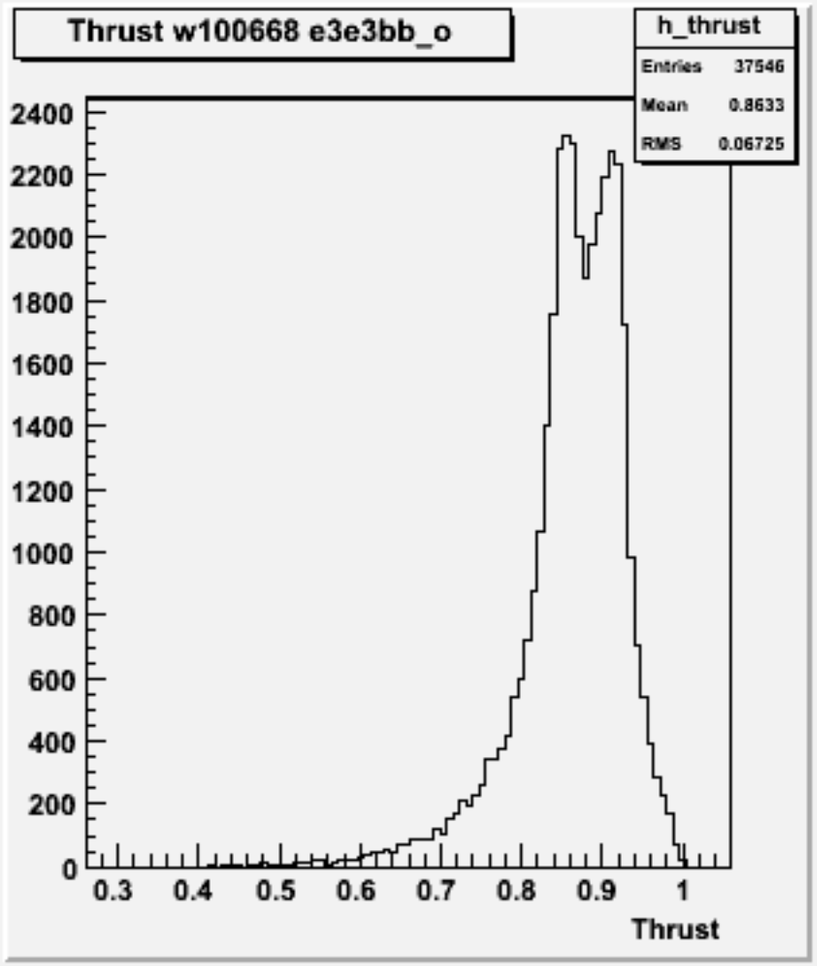

Total Energy (inc. ν): w100668 e3e3bb_o
h_etot
Entries 37546
Mean 346.9
RMS 7.292
Total Energy(GeV)

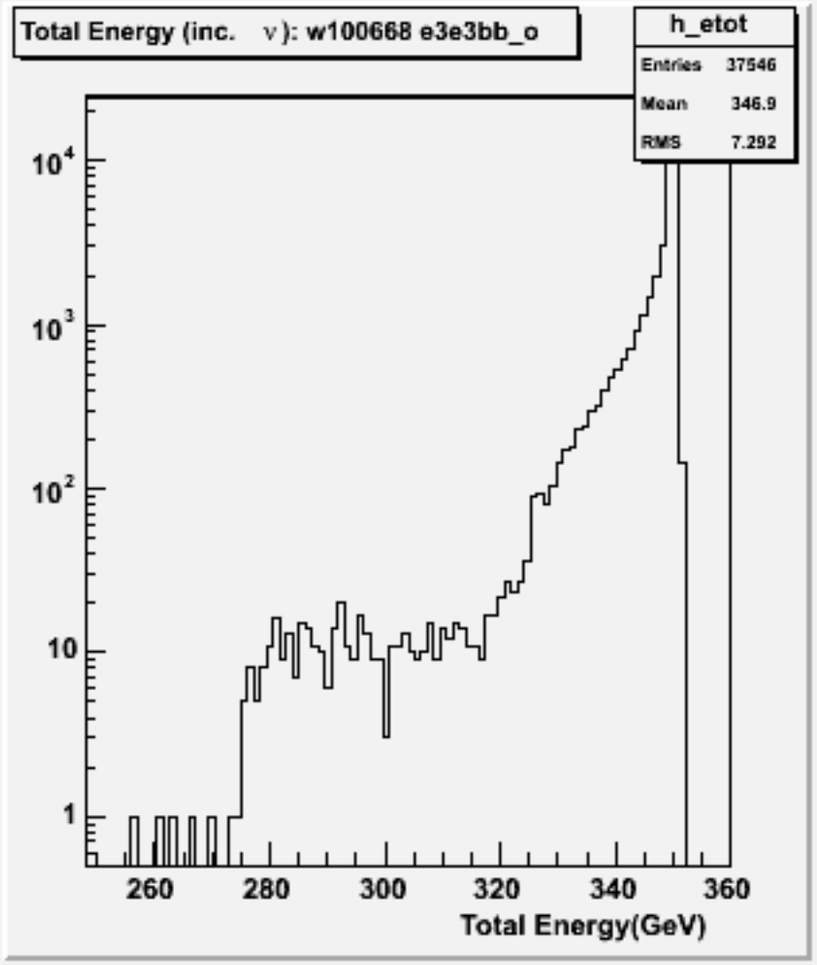

Total Energy (inc. ν): w100668 e3e3bb_o
h_etotc
Entries 34046
Mean 348.7
RMS 2.301
Total Energy(GeV)

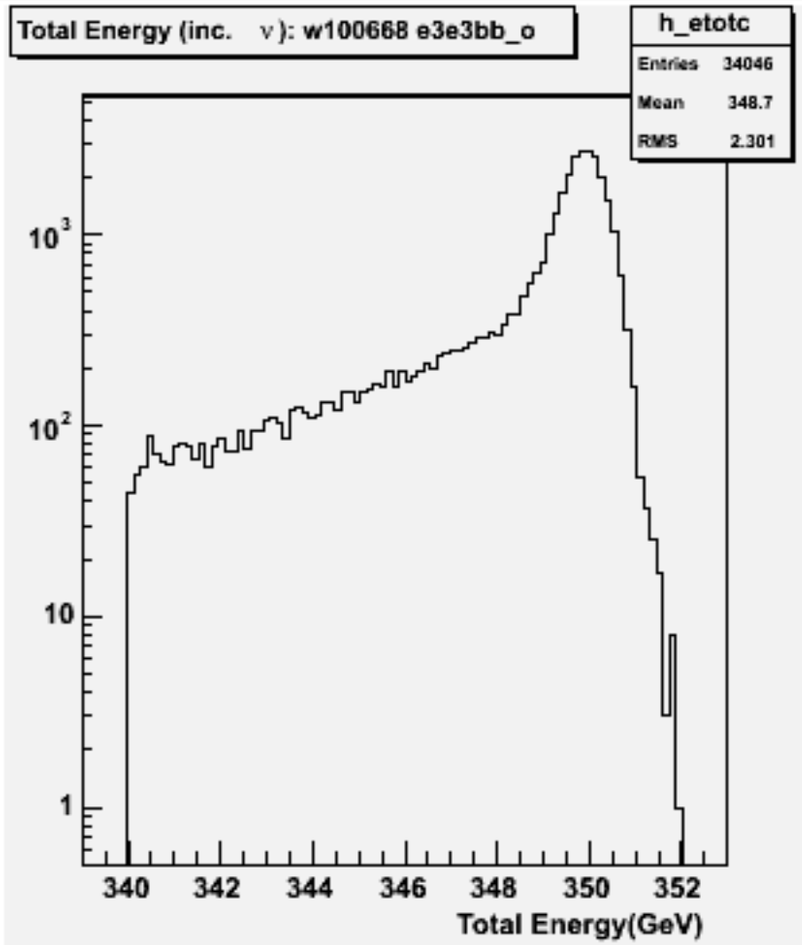

Total Energy (w/o ν): w100668 e3e3bb_o
h_evis
Entries 37546
Mean 263.8
RMS 40.88
Energy(GeV)

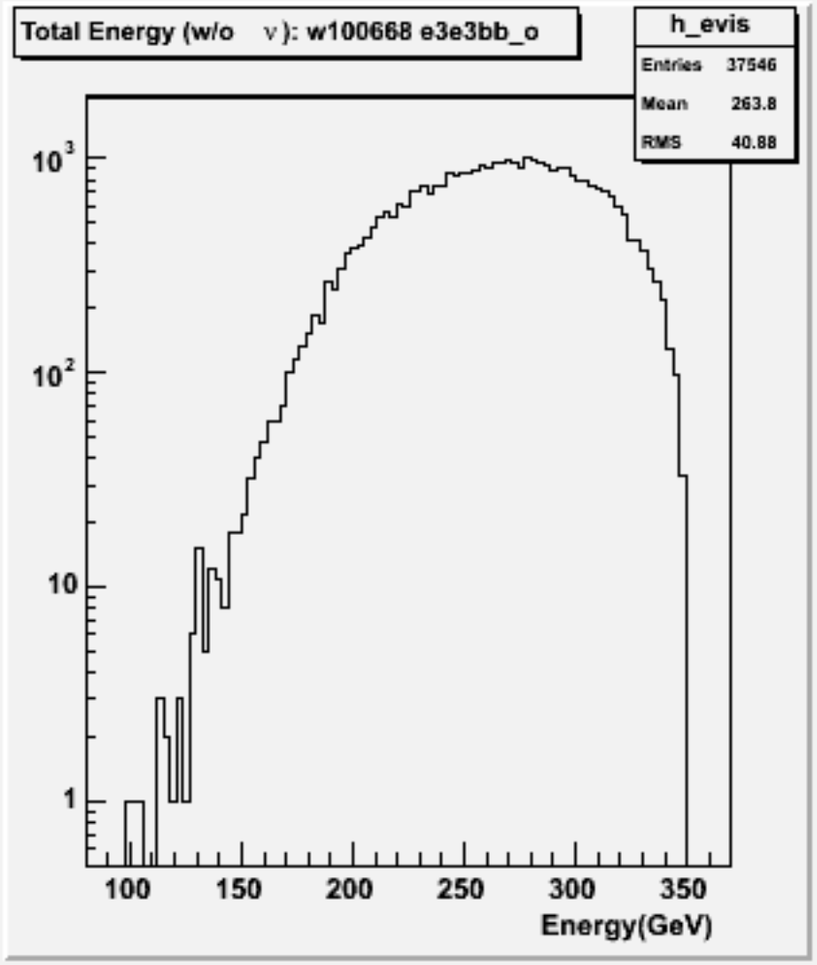

Pt Sum: w100668 e3e3bb_o
h_pt
Entries 37546
Mean 30.25
RMS 25.59
Pt(sum) (GeV)

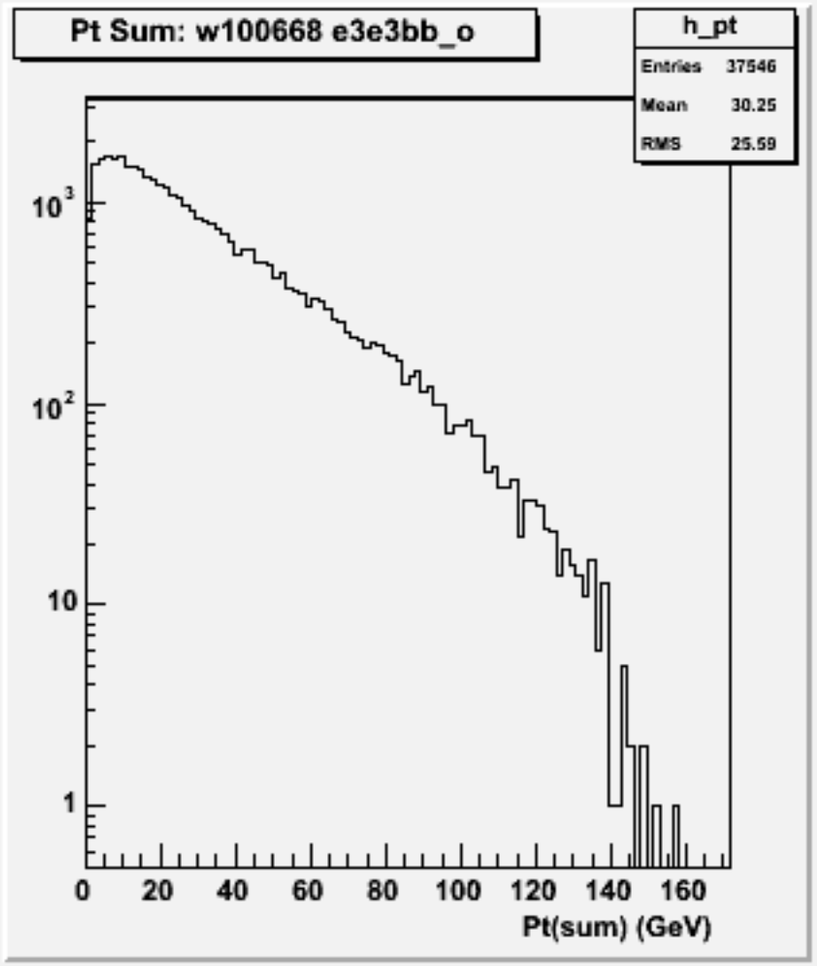

Pz Sum: w100668 e3e3bb_o
h_pz
Entries 37546
Mean -0.1824
RMS 55.18
Pz(sum) (GeV)

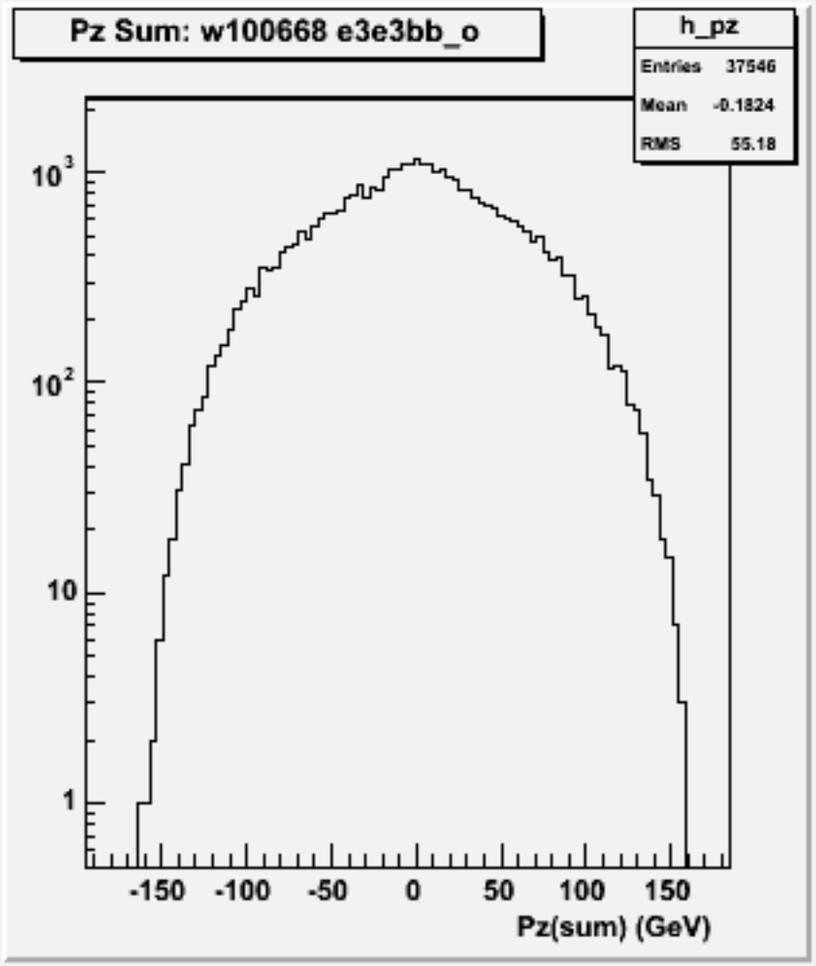

Thrust w100668 e3e3bb_o
h_thrust
Entries 37546
Mean 0.8633
RMS 0.06725
Thrust

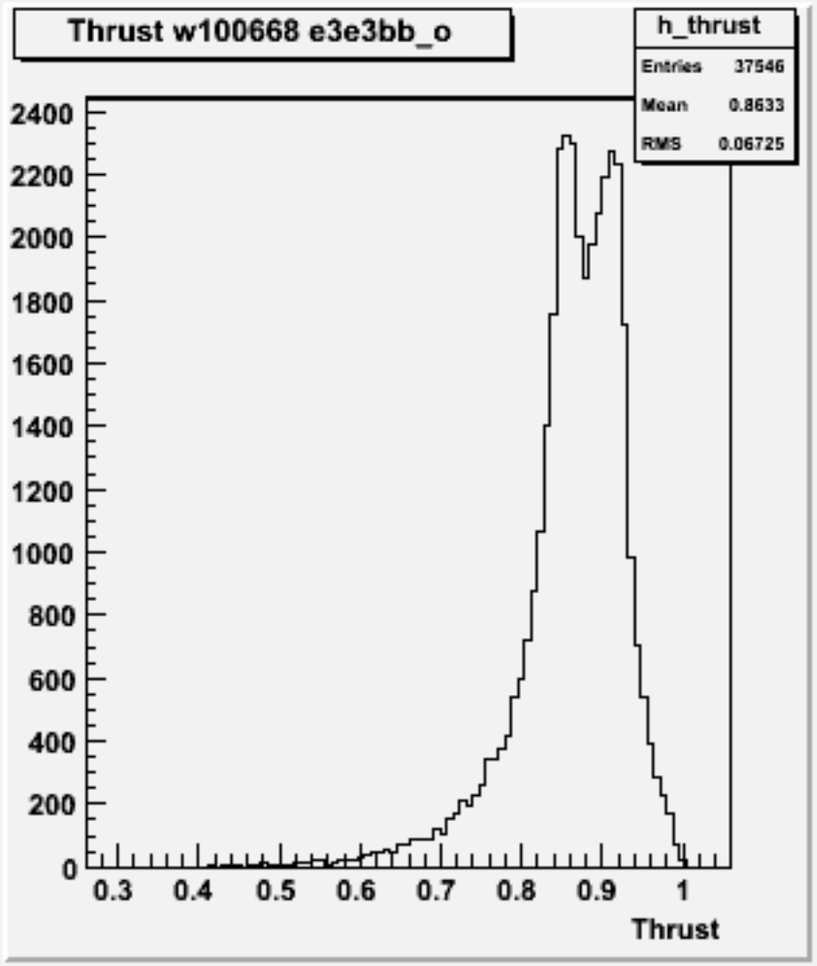

Total Energy (inc. ν): w100668 e3e3bb_o
h_etot
Entries 37546
Mean 346.9
RMS 7.292
Total Energy(GeV)

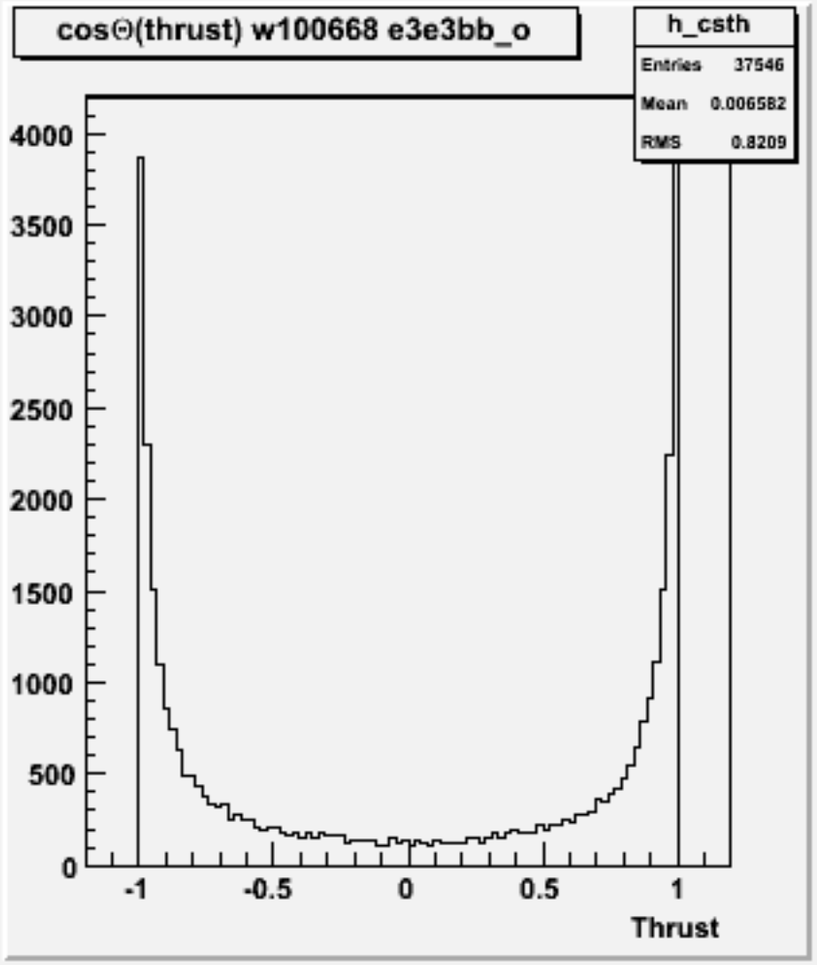

Total Energy (inc. ν): w100668 e3e3bb_o
h_etotc
Entries 34046
Mean 348.7
RMS 2.301
Total Energy(GeV)

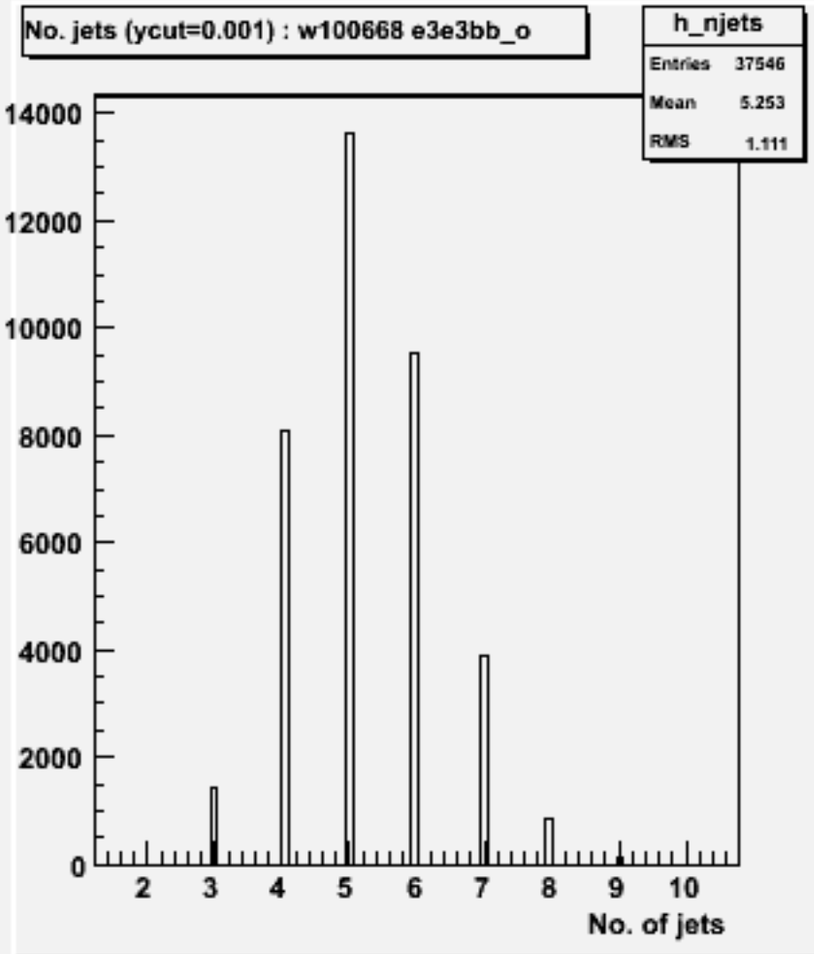

Total Energy (w/o ν): w100668 e3e3bb_o
h_evis
Entries 37546
Mean 263.8
RMS 40.88
Energy(GeV)

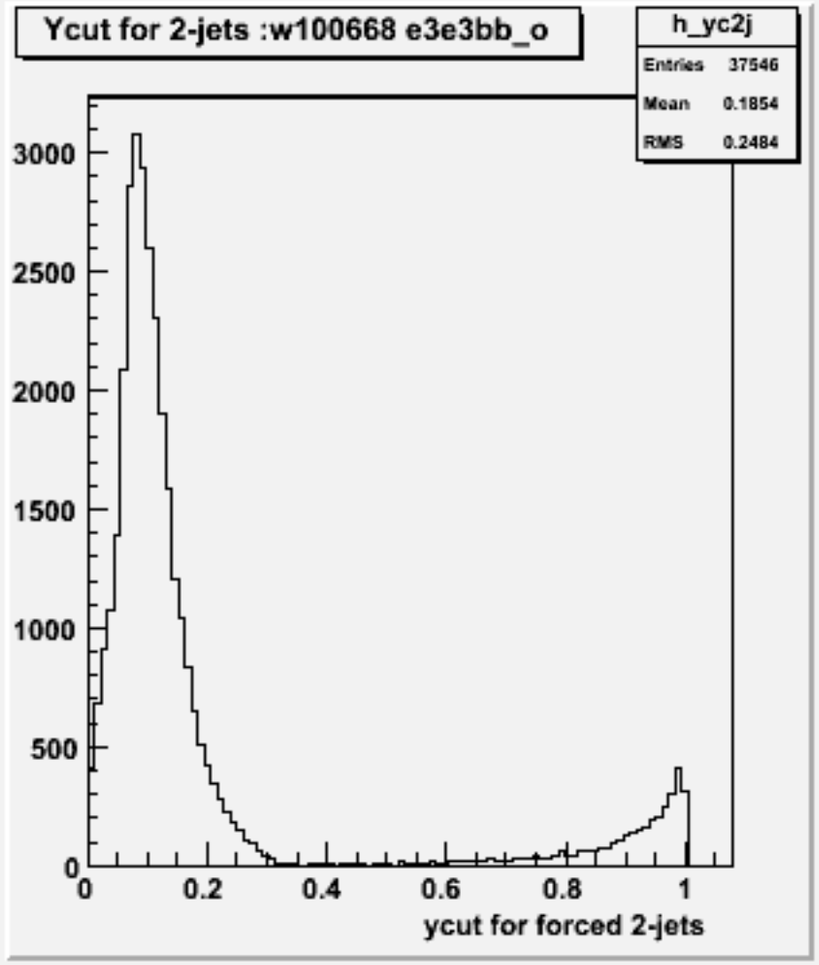

Pt Sum: w100668 e3e3bb_o
h_pt
Entries 37546
Mean 30.25
RMS 25.59
Pt(sum) (GeV)

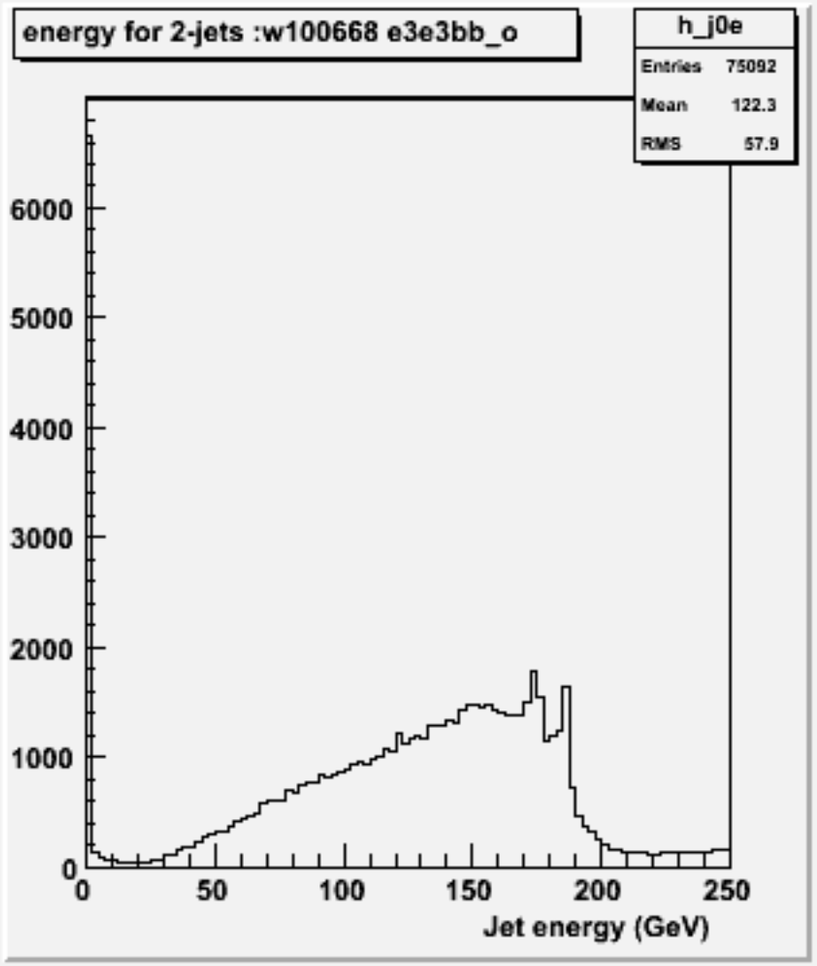

Pz Sum: w100668 e3e3bb_o
h_pz
Entries 37546
Mean -0.1824
RMS 55.18
Pz(sum) (GeV)

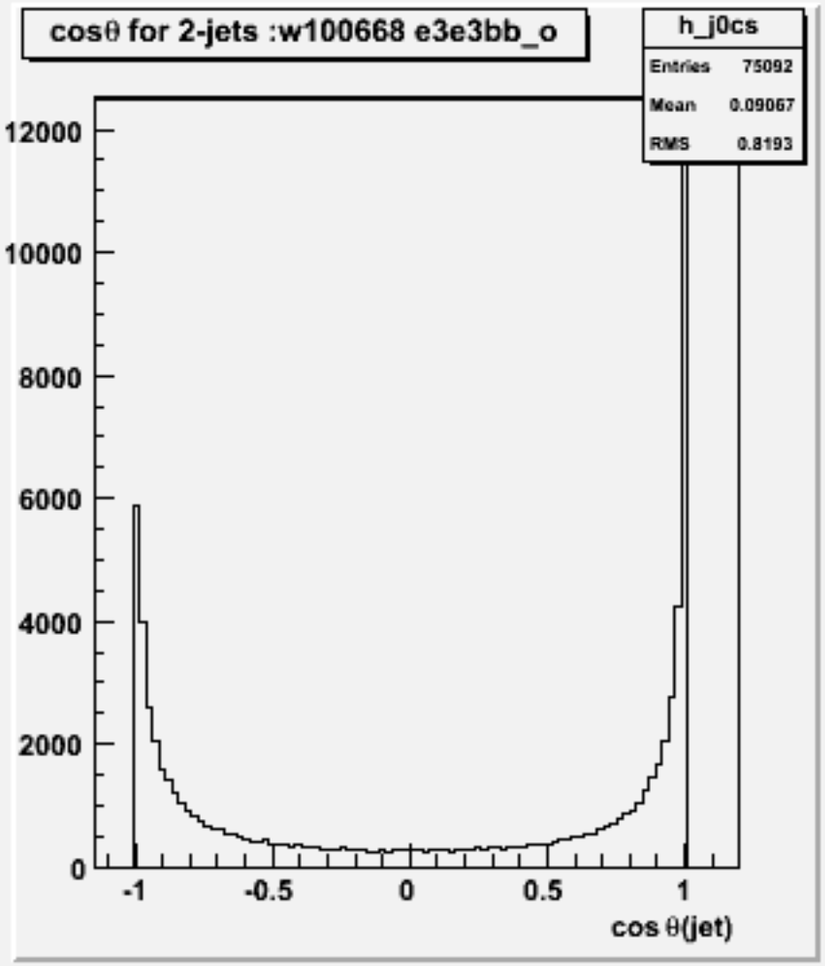

Thrust w100668 e3e3bb_o
h_thrust
Entries 37546
Mean 0.8633
RMS 0.06725
Thrust

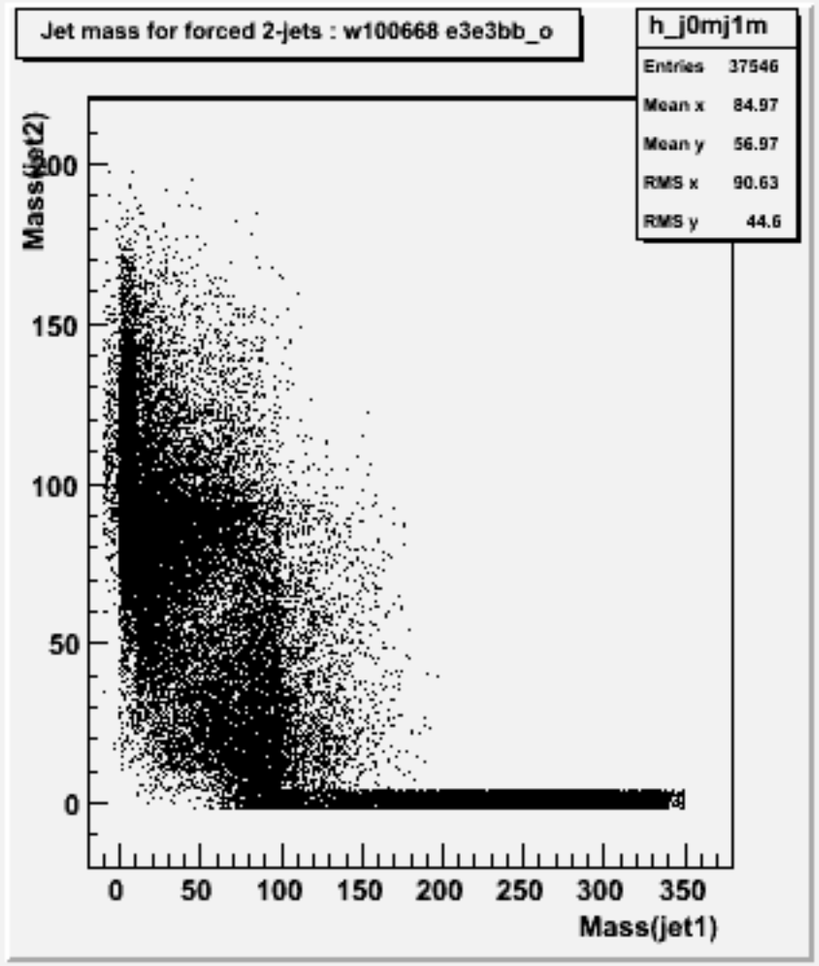

cosΘ(thrust) w100668 e3e3bb_o
h_csth
Entries 37546
Mean 0.006582
RMS 0.8209
Thrust

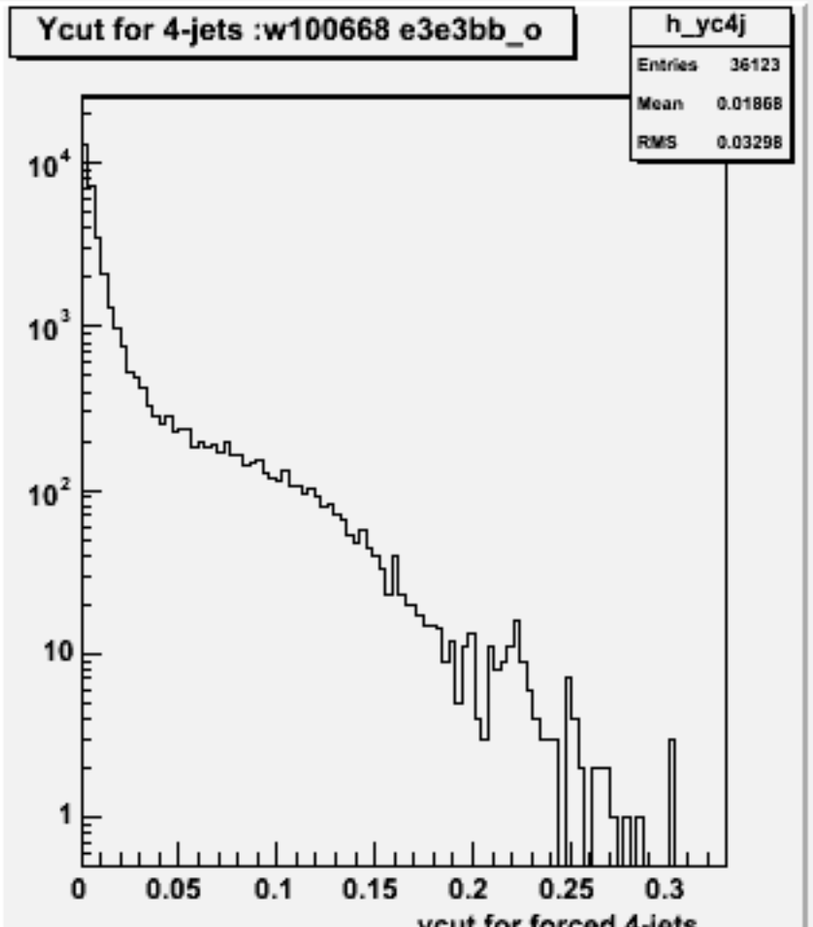

No. jets (ycut=0.001) : w100668 e3e3bb_o
h_njets
Entries 37546
Mean 5.253
RMS 1.111
No. of jets

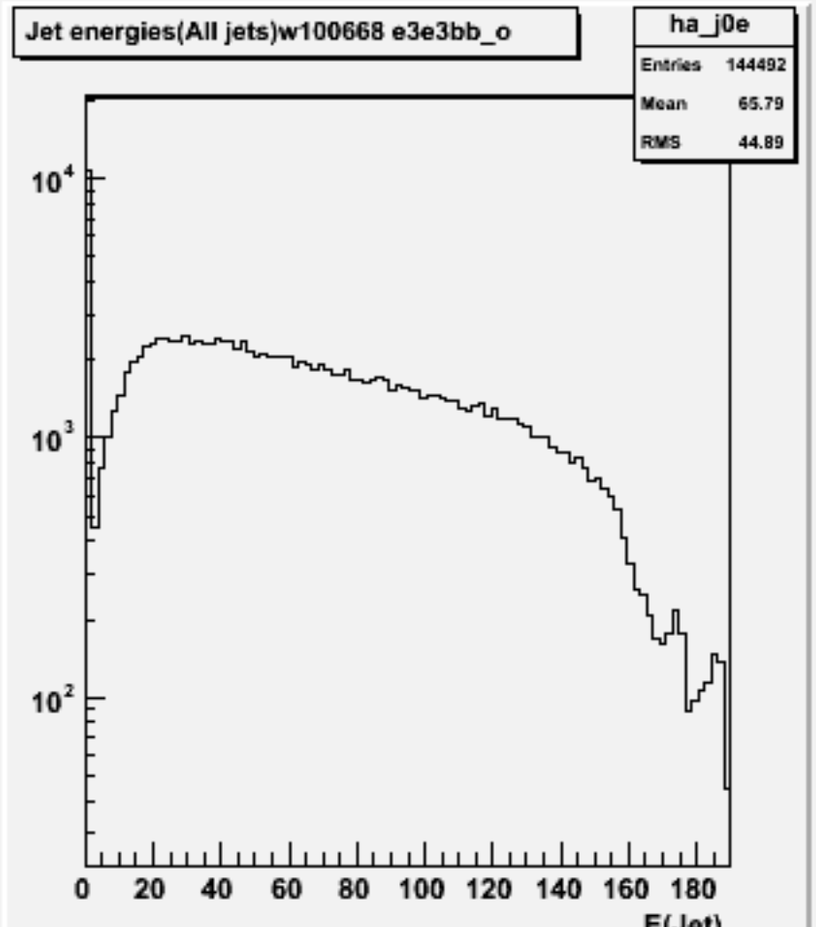

Ycut for 2-jets :w100668 e3e3bb_o
h_yc2j
Entries 37546
Mean 0.1854
RMS 0.2484
ycut for forced 2-jets

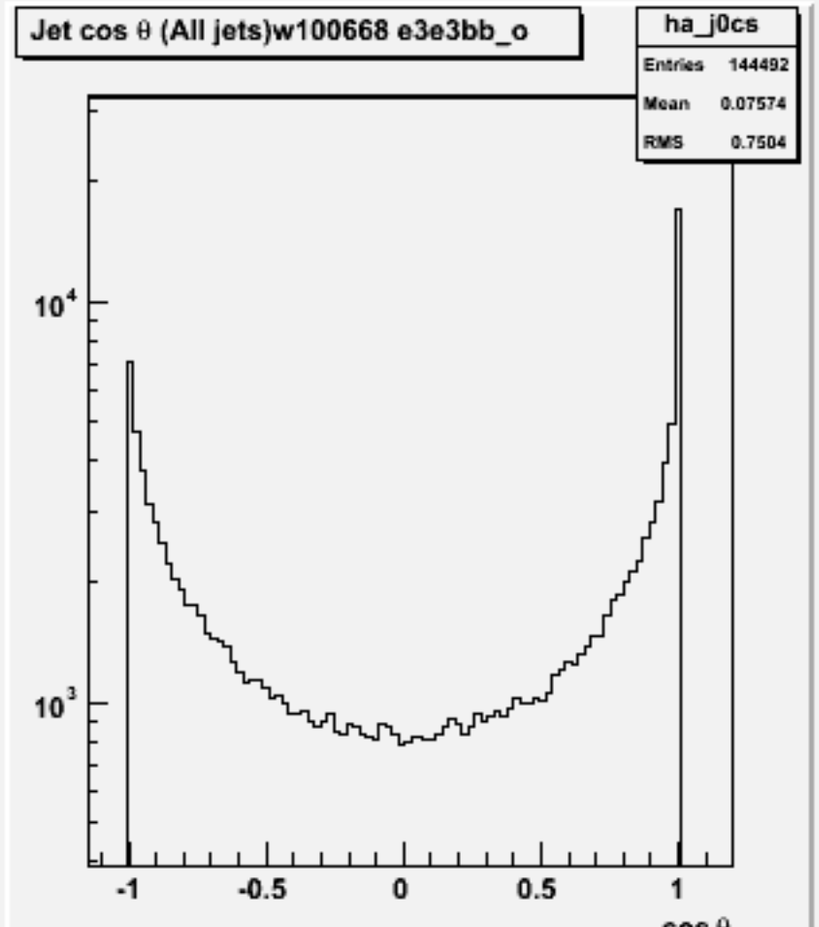

energy for 2-jets :w100668 e3e3bb_o
h_j0e
Entries 75092
Mean 122.3
RMS 57.9
Jet energy (GeV)

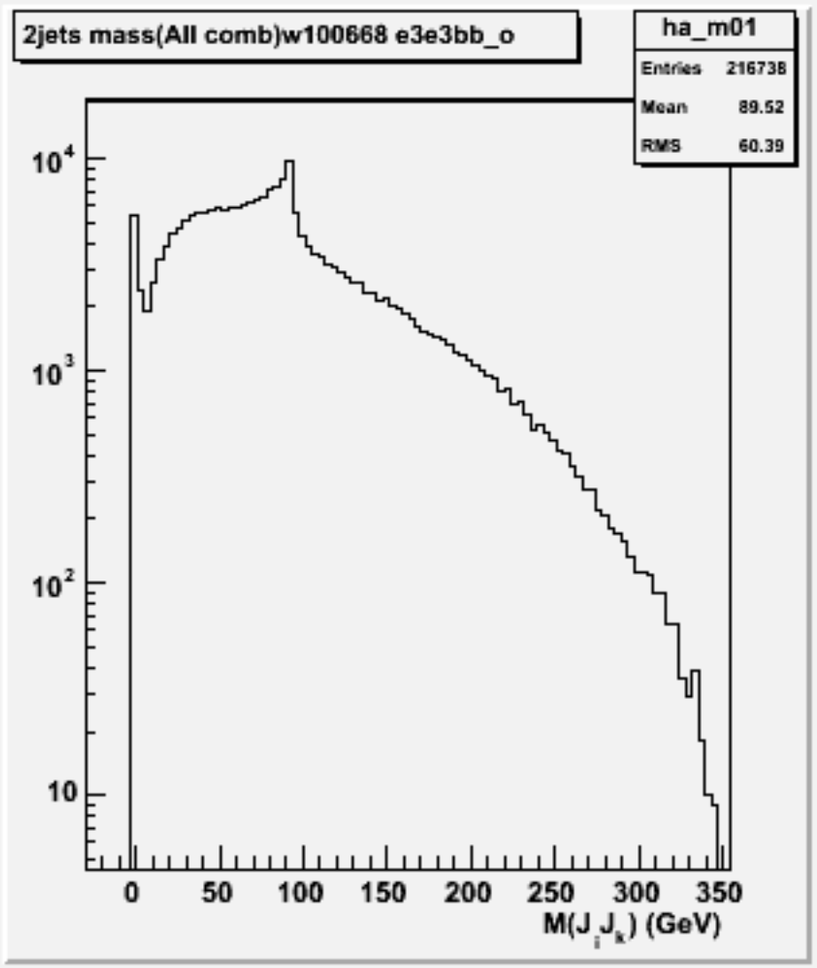

cosθ for 2-jets :w100668 e3e3bb_o
h_j0cs
Entries 75092
Mean 0.09067
RMS 0.8193
cos θ(jet)

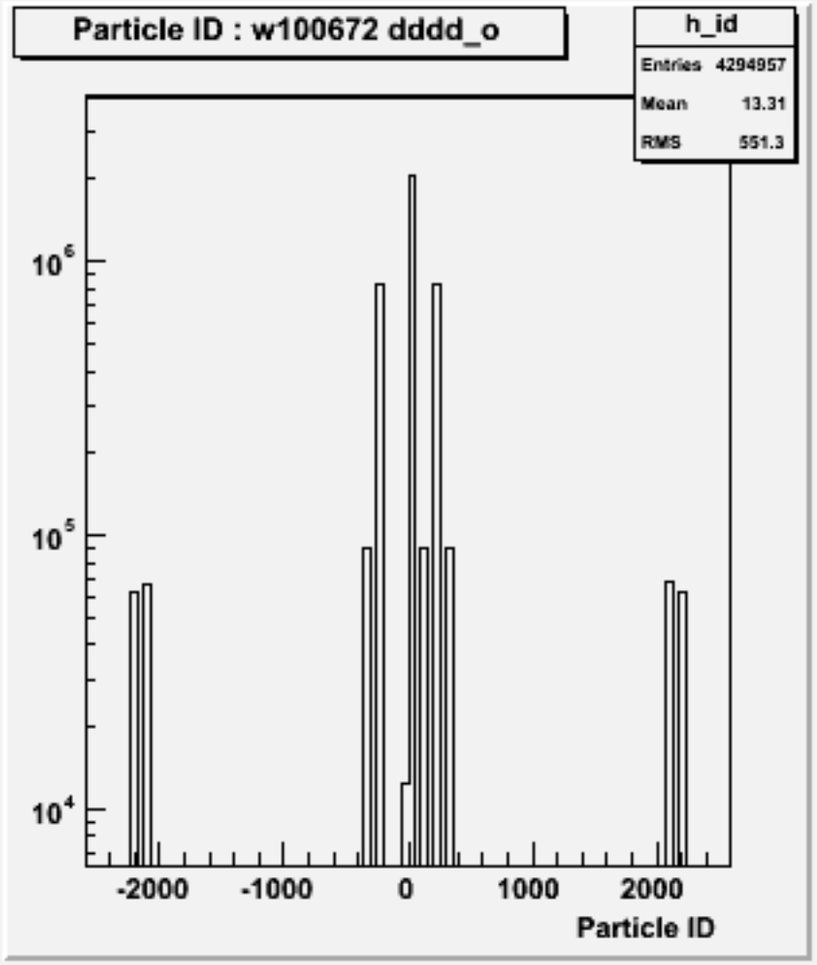

Jet mass for forced 2-jets : w100668 e3e3bb_o
h_j0mj1m
Entries 37546
Mean x 84.97
Mean y 56.97
RMS x 90.63
RMS y 44.6
Mass(jet2)
Mass(jet1)

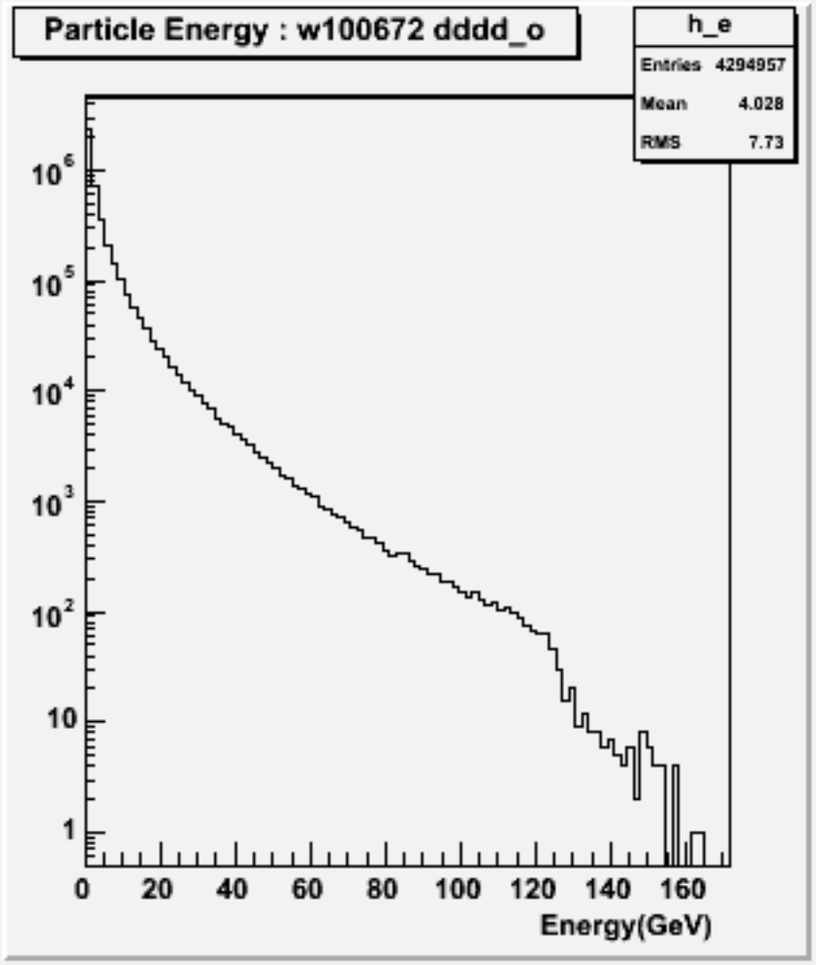

Ycut for 4-jets :w100668 e3e3bb_o
h_yc4j
Entries 36123
Mean 0.01868
RMS 0.03298
ycut for forced 4-jets

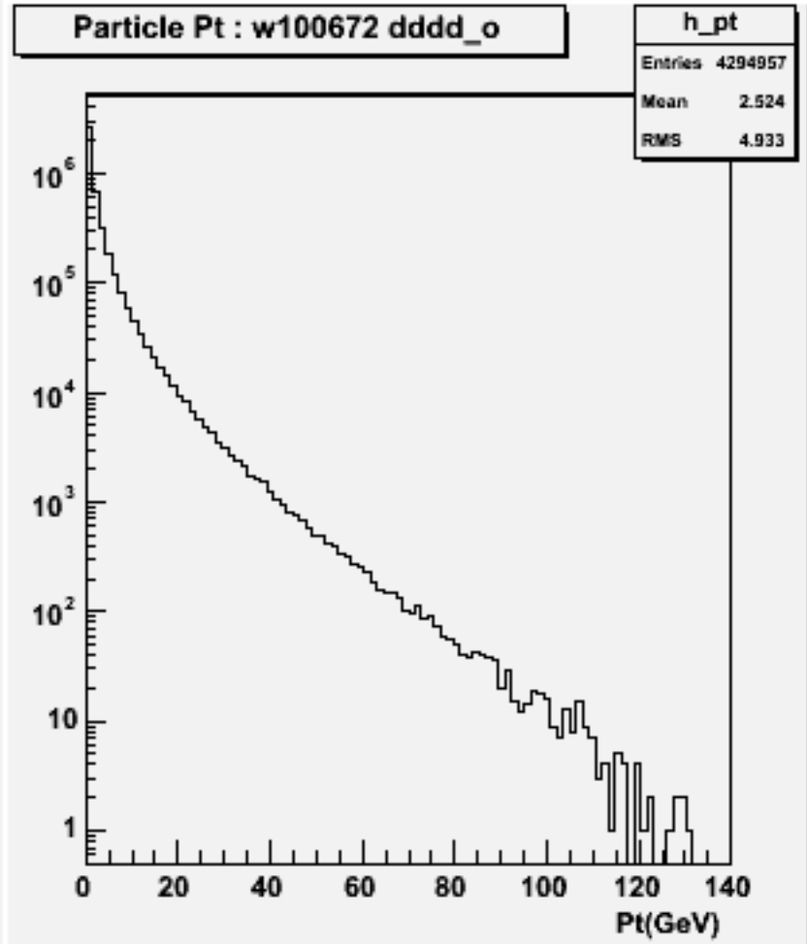

Jet energies(All jets)w100668 e3e3bb_o
ha_j0e
Entries 144492
Mean 65.79
RMS 44.89
E(Jet)

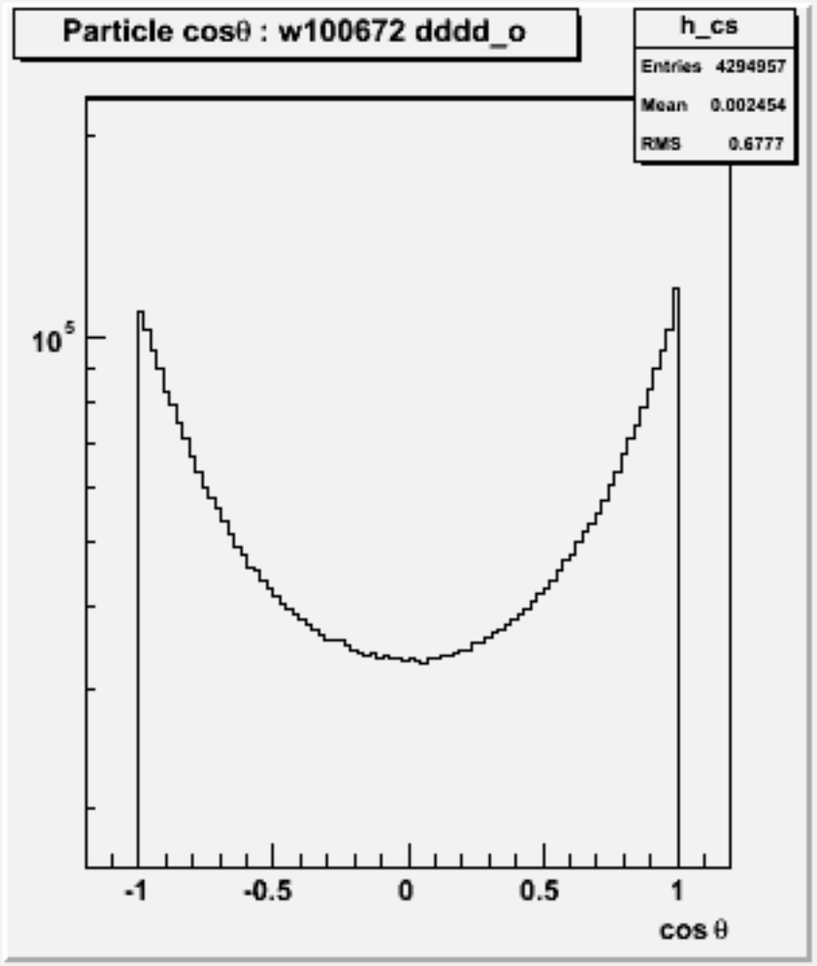

Jet cos θ (All jets)w100668 e3e3bb_o
ha_j0cs
Entries 144492
Mean 0.07574
RMS 0.7504
cos θ

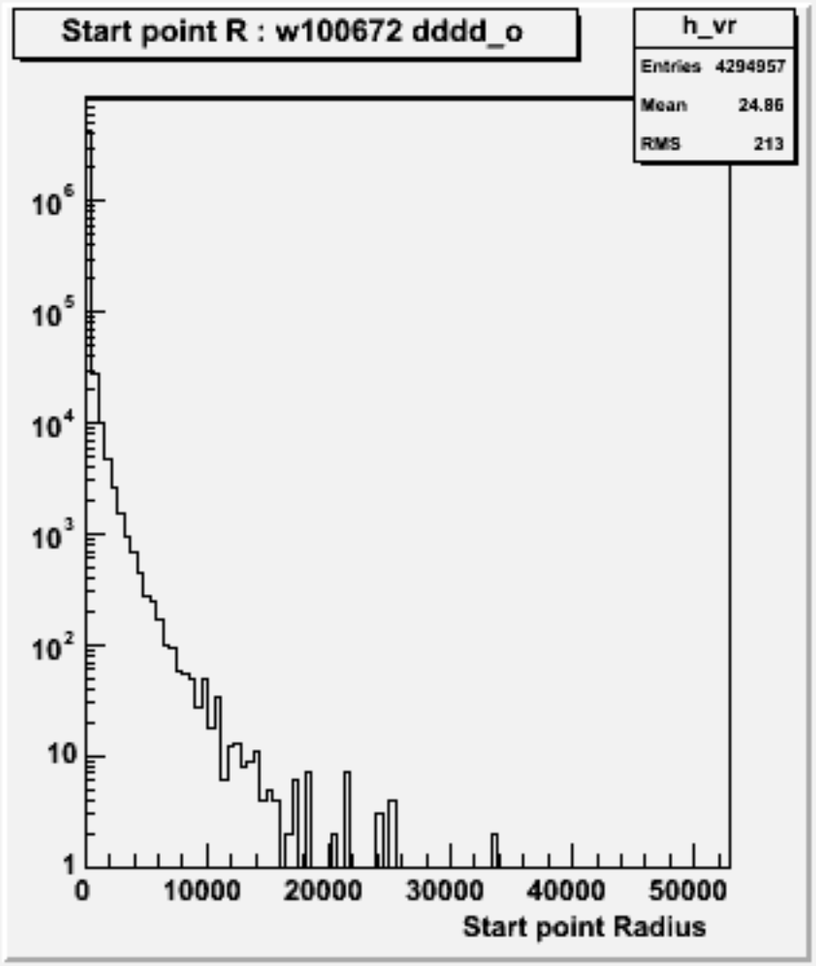

2jets mass(All comb)w100668 e3e3bb_o
ha_m01
Entries 216738
Mean 89.52
RMS 60.39
M(J_iJ_k) (GeV)

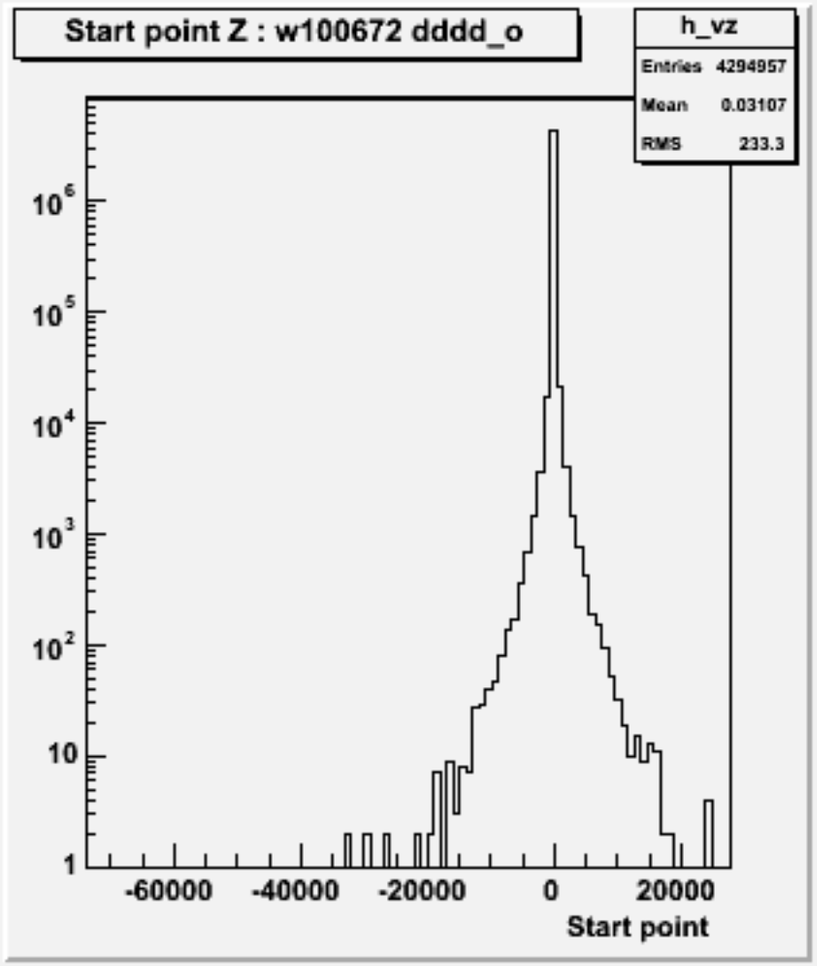

Particle ID : w100672 dddd_o
h_id
Entries 4294957
Mean 13.31
RMS 551.3
Particle ID

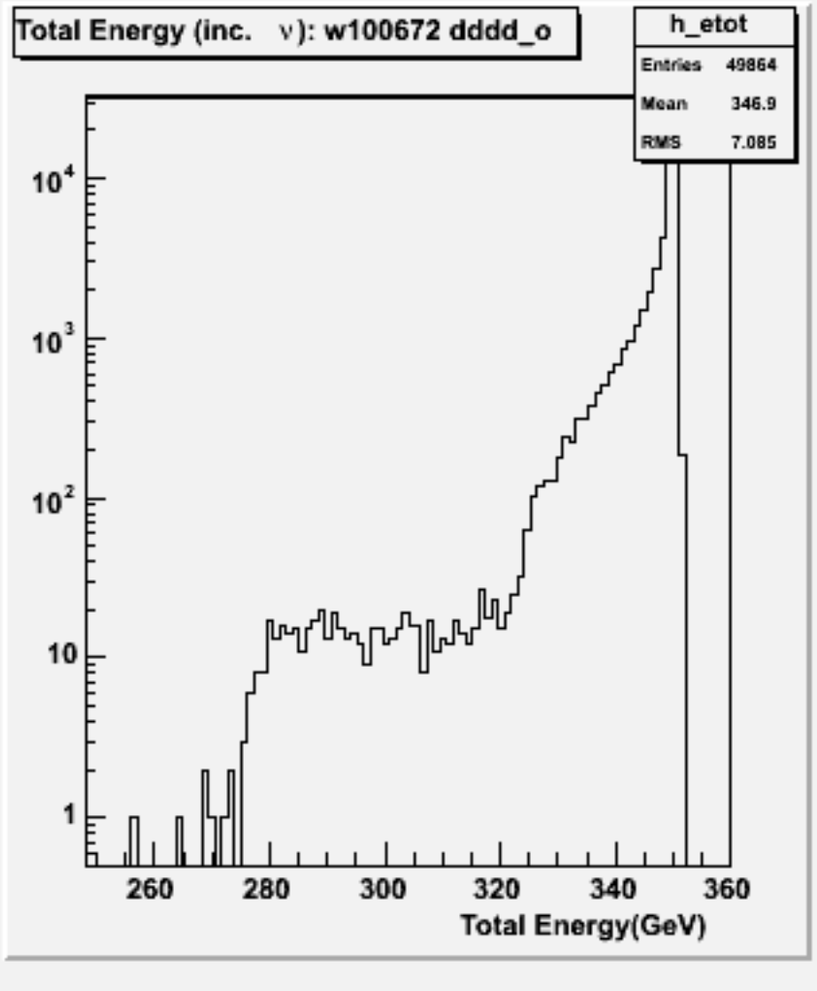

Particle Energy : w100672 dddd_o
h_e
Entries 4294957
Mean 4.028
RMS 7.73
Energy(GeV)

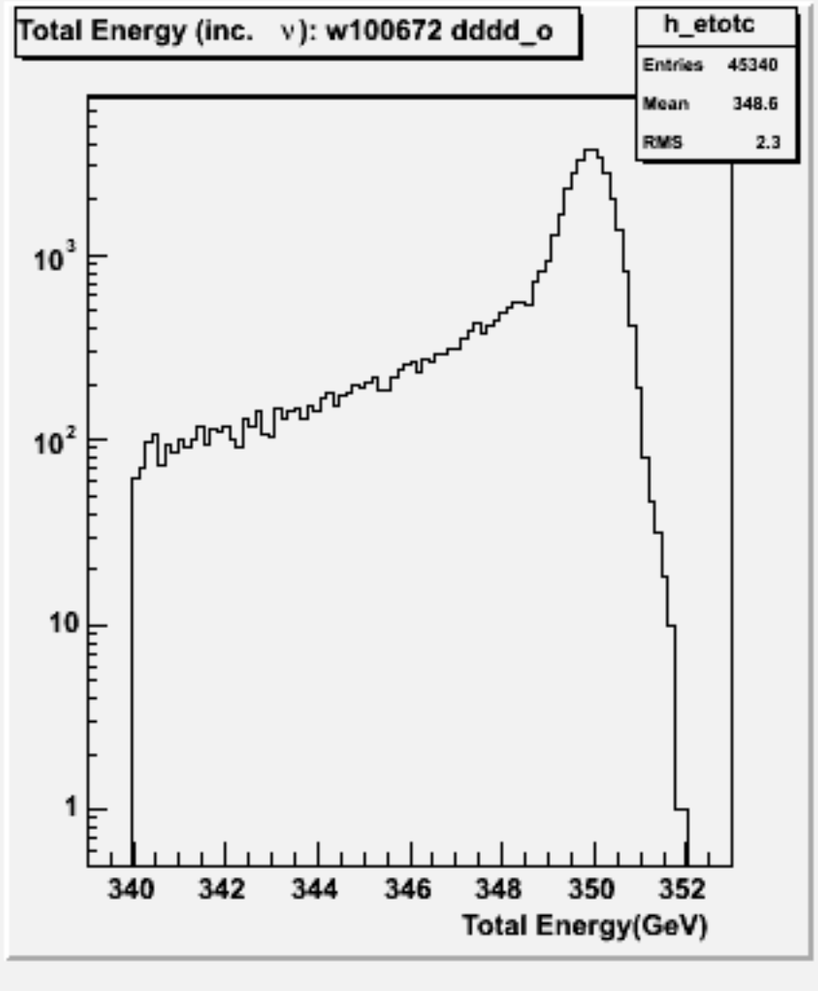

Particle Pt : w100672 dddd_o
h_pt
Entries 4294957
Mean 2.524
RMS 4.933
Pt(GeV)

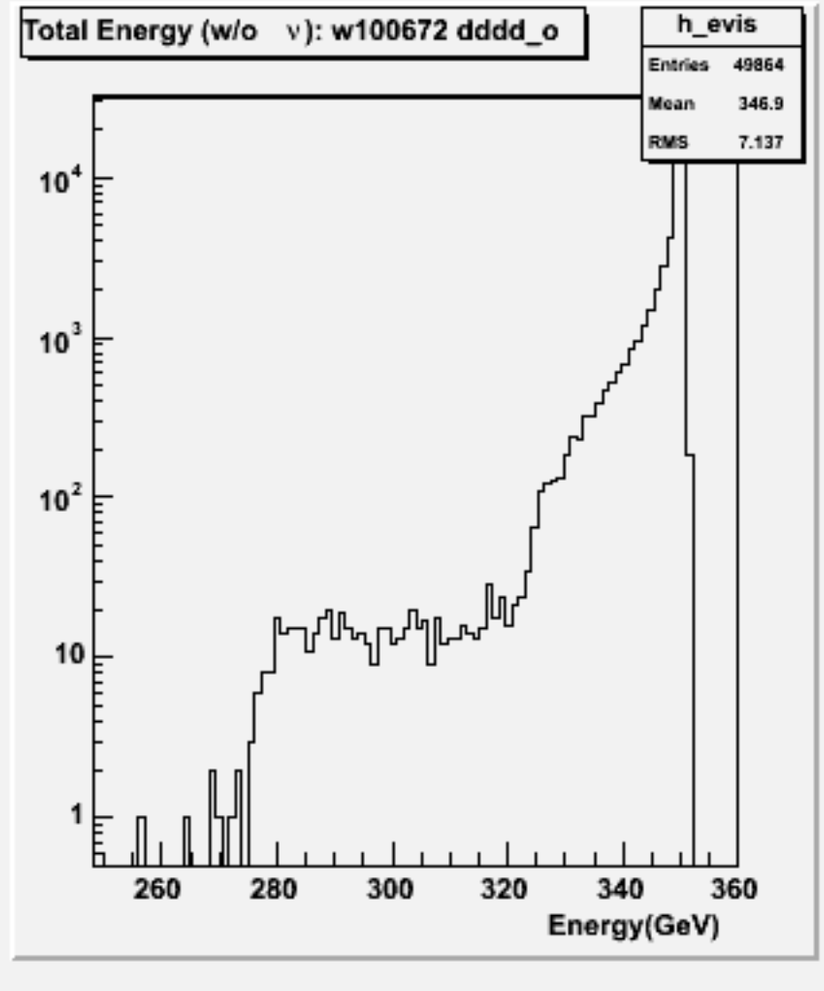

Particle cosθ : w100672 dddd_o
h_cs
Entries 4294957
Mean 0.002454
RMS 0.6777
cos θ

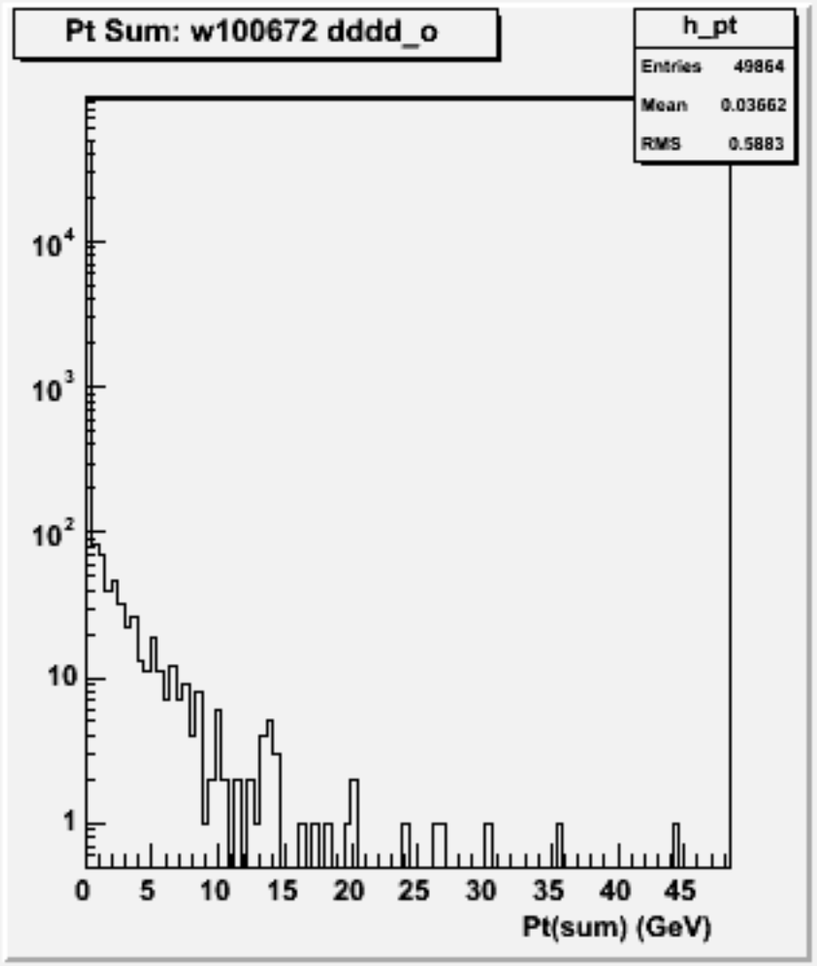

Start point R : w100672 dddd_o
h_vr
Entries 4294957
Mean 24.86
RMS 213
Start point Radius

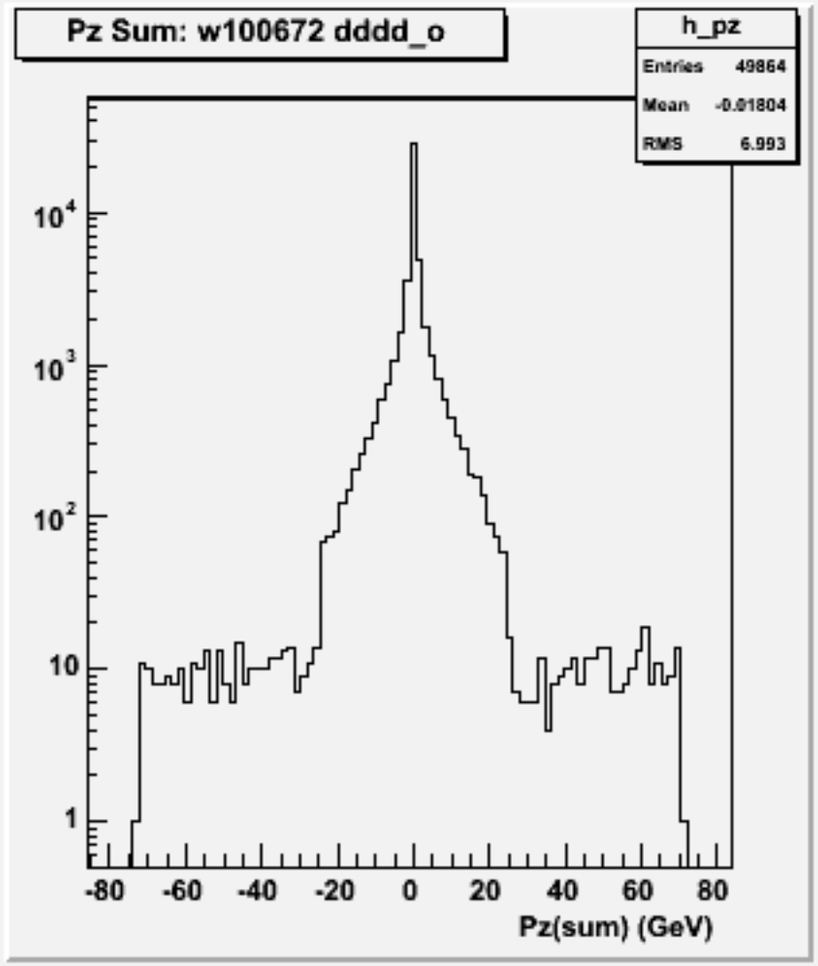

Start point Z : w100672 dddd_o
h_vz
Entries 4294957
Mean 0.03107
RMS 233.3
Start point

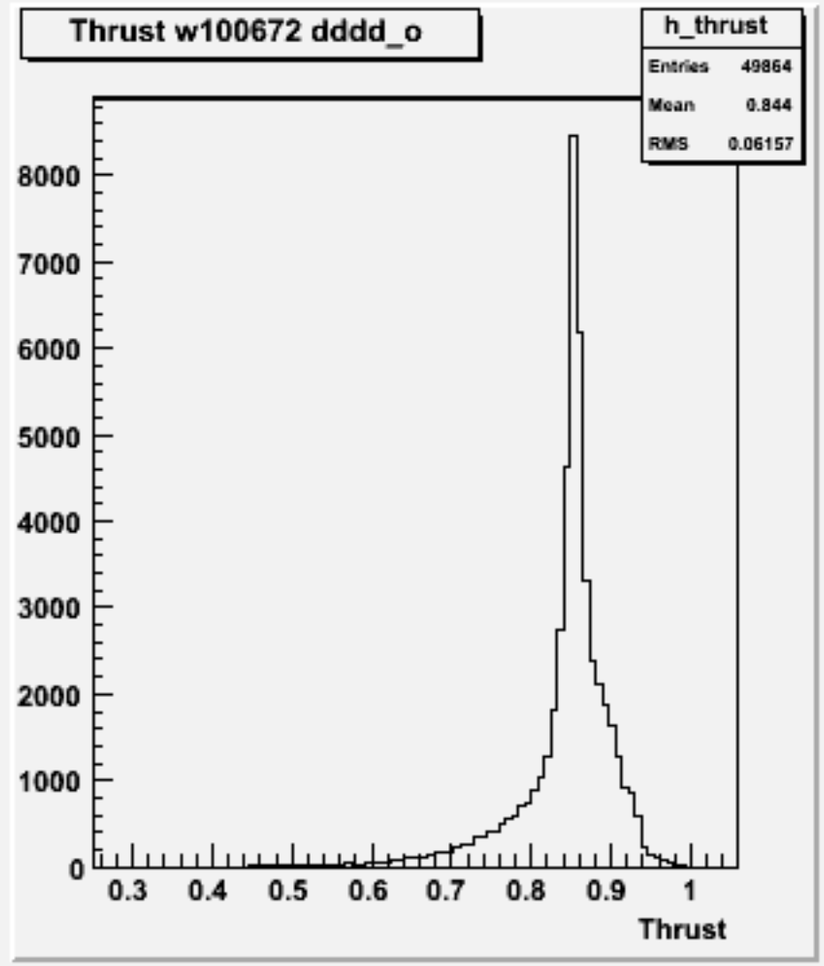

Total Energy (inc. ν): w100672 dddd_o
h_etot
Entries 49864
Mean 346.9
RMS 7.085
Total Energy(GeV)

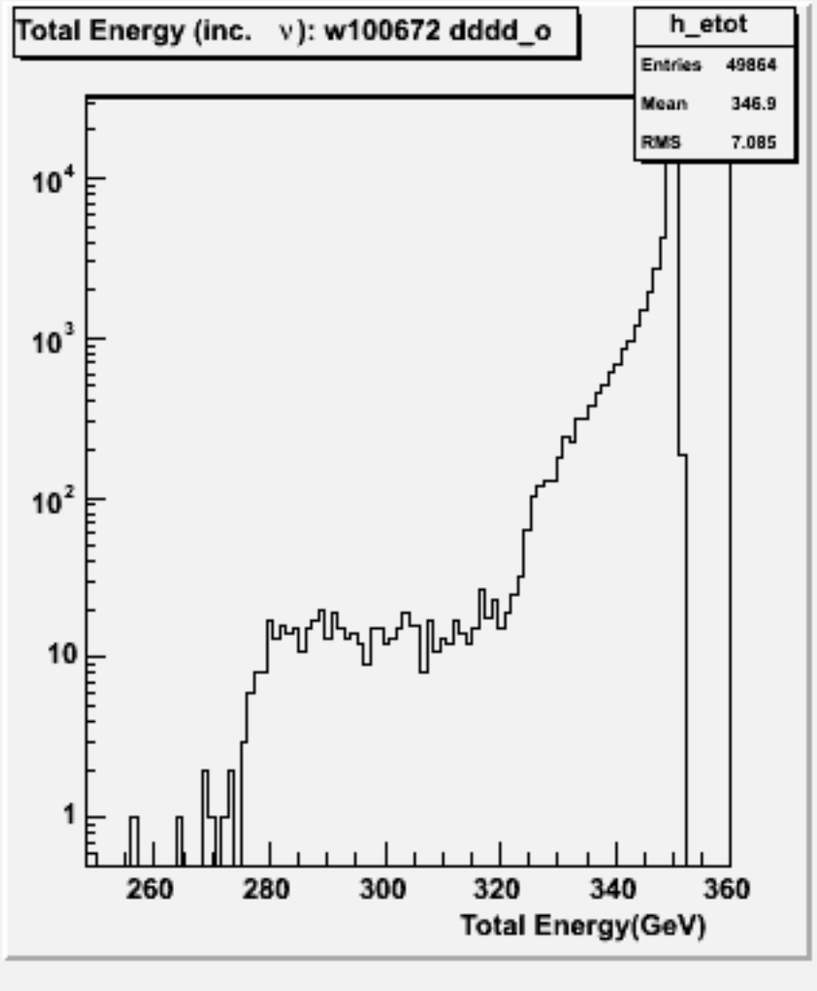

Total Energy (inc. ν): w100672 dddd_o
h_etotc
Entries 45340
Mean 348.6
RMS 2.3
Total Energy(GeV)

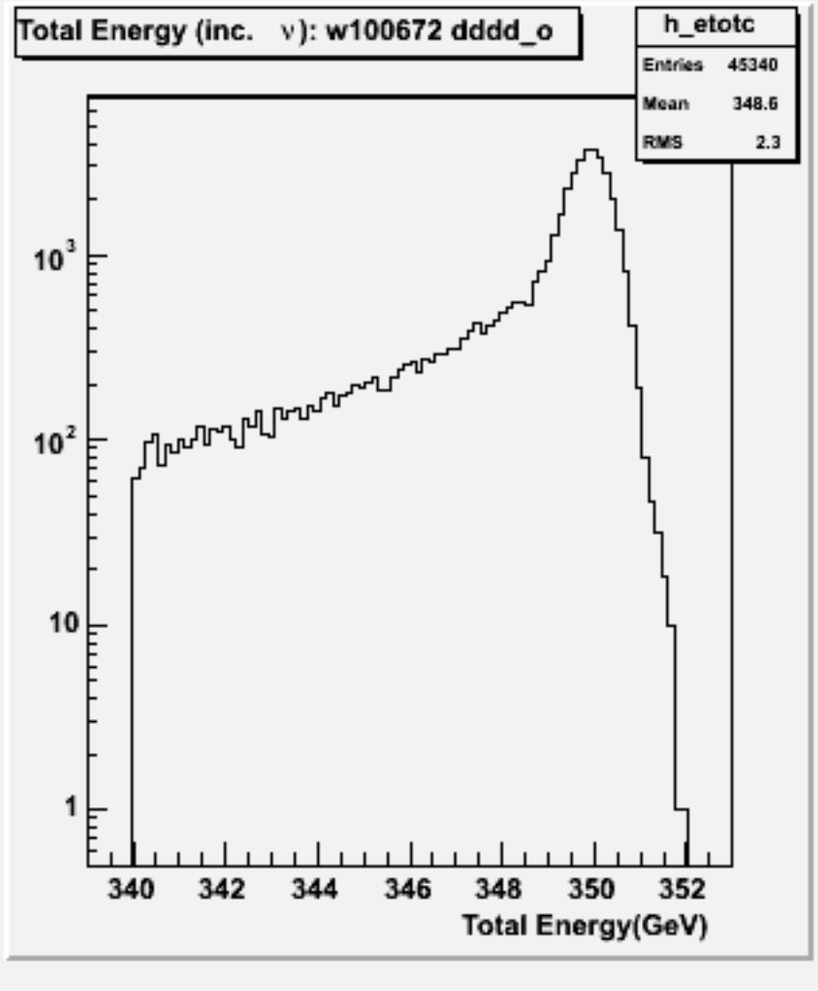

Total Energy (w/o ν): w100672 dddd_o
h_evis
Entries 49864
Mean 346.9
RMS 7.137
Energy(GeV)

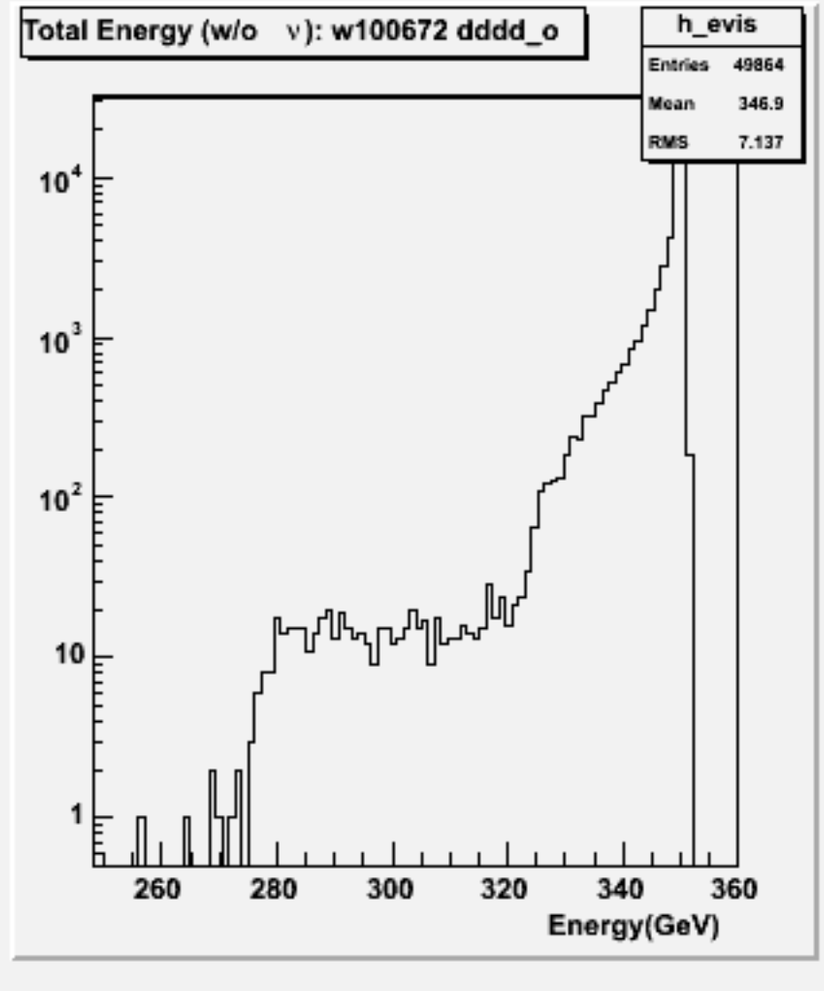

Pt Sum: w100672 dddd_o
h_pt
Entries 49864
Mean 0.03662
RMS 0.5883
Pt(sum) (GeV)

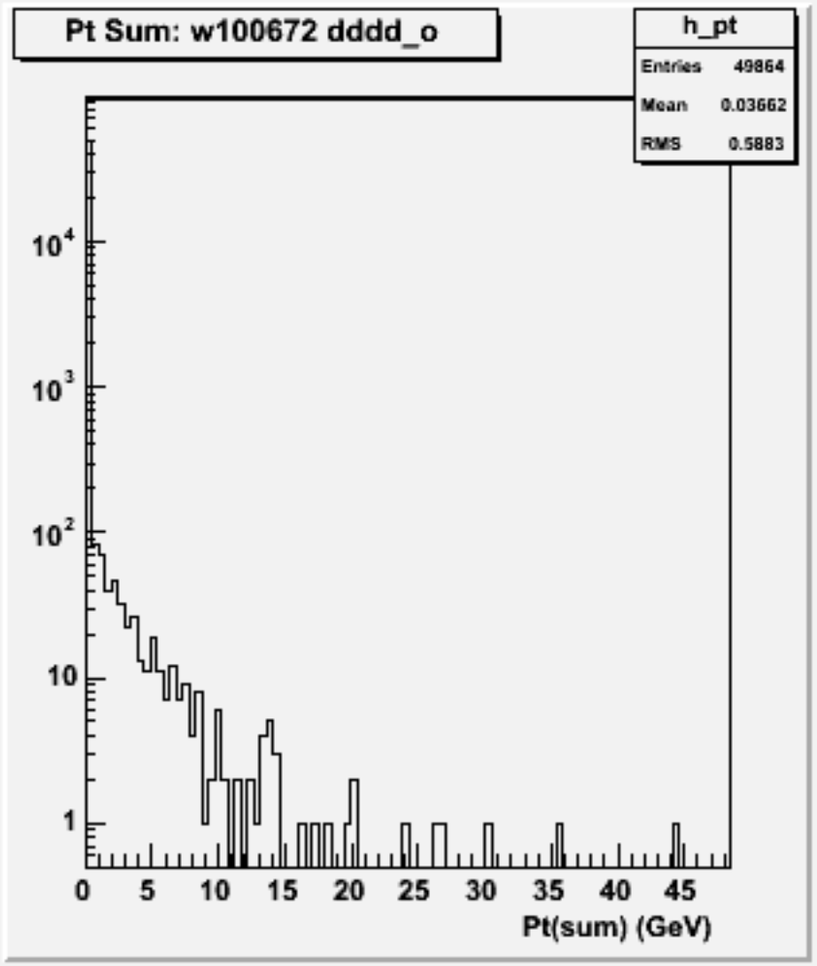

Pz Sum: w100672 dddd_o
h_pz
Entries 49864
Mean -0.01804
RMS 6.993
Pz(sum) (GeV)

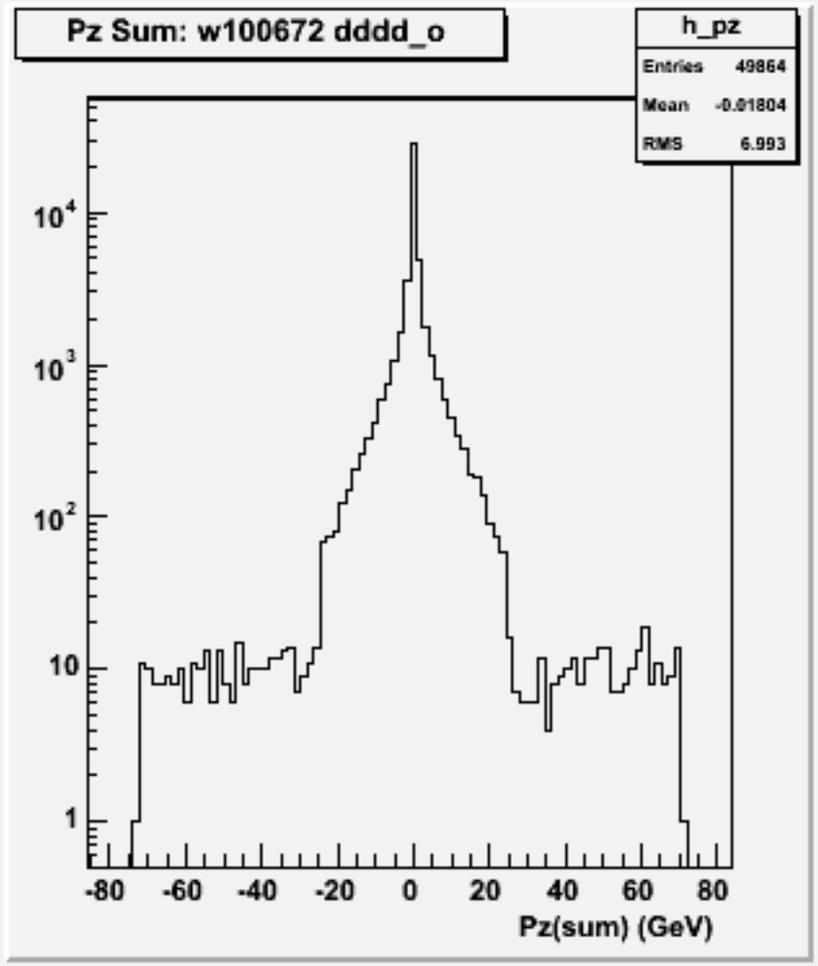

Thrust w100672 dddd_o
h_thrust
Entries 49864
Mean 0.844
RMS 0.06157
Thrust

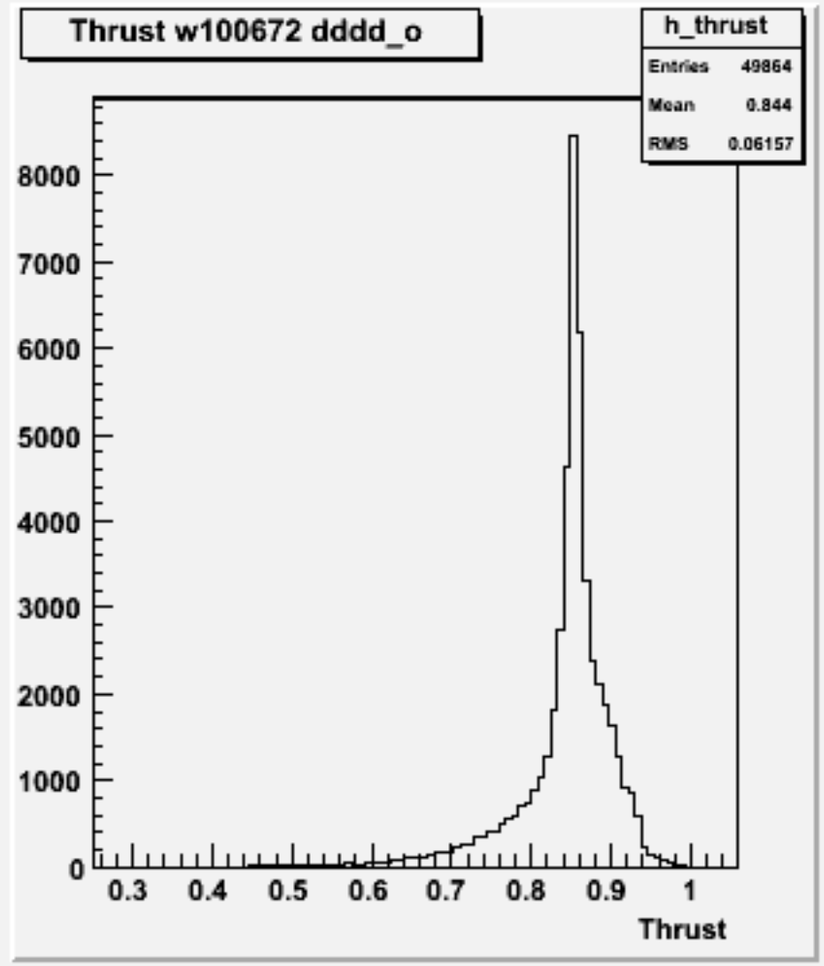

Total Energy (inc. ν): w100672 dddd_o
h_etot
Entries 49864
Mean 346.9
RMS 7.085
Total Energy(GeV)

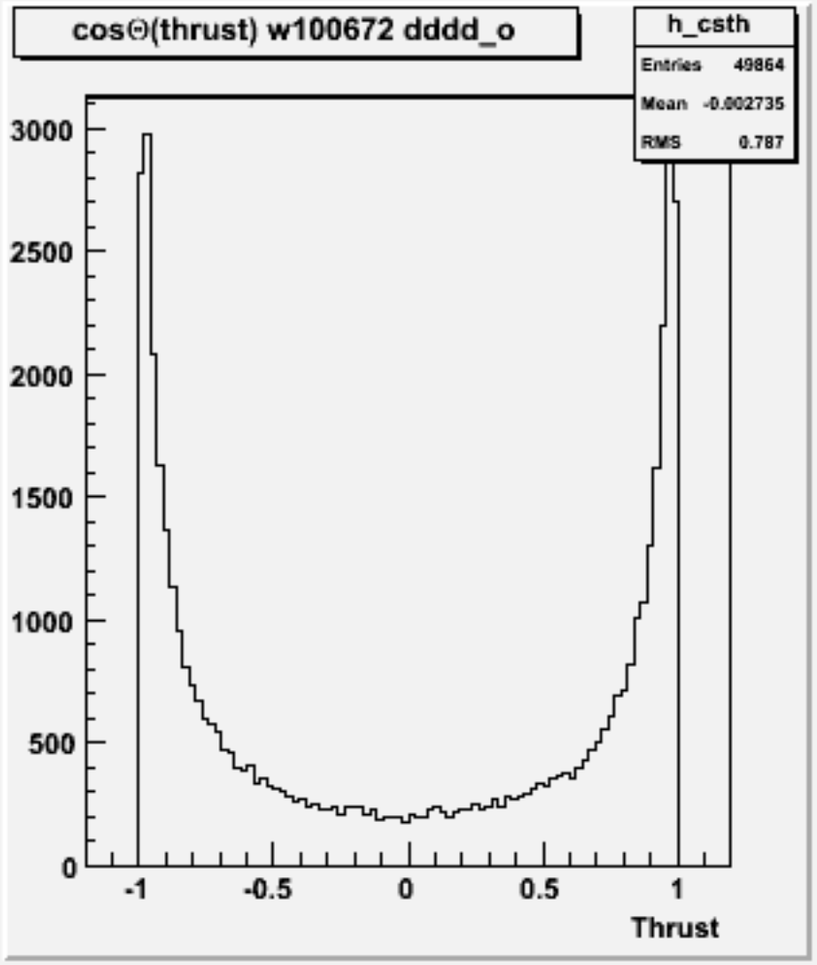

Total Energy (inc. ν): w100672 dddd_o
h_etotc
Entries 45340
Mean 348.6
RMS 2.3
Total Energy(GeV)

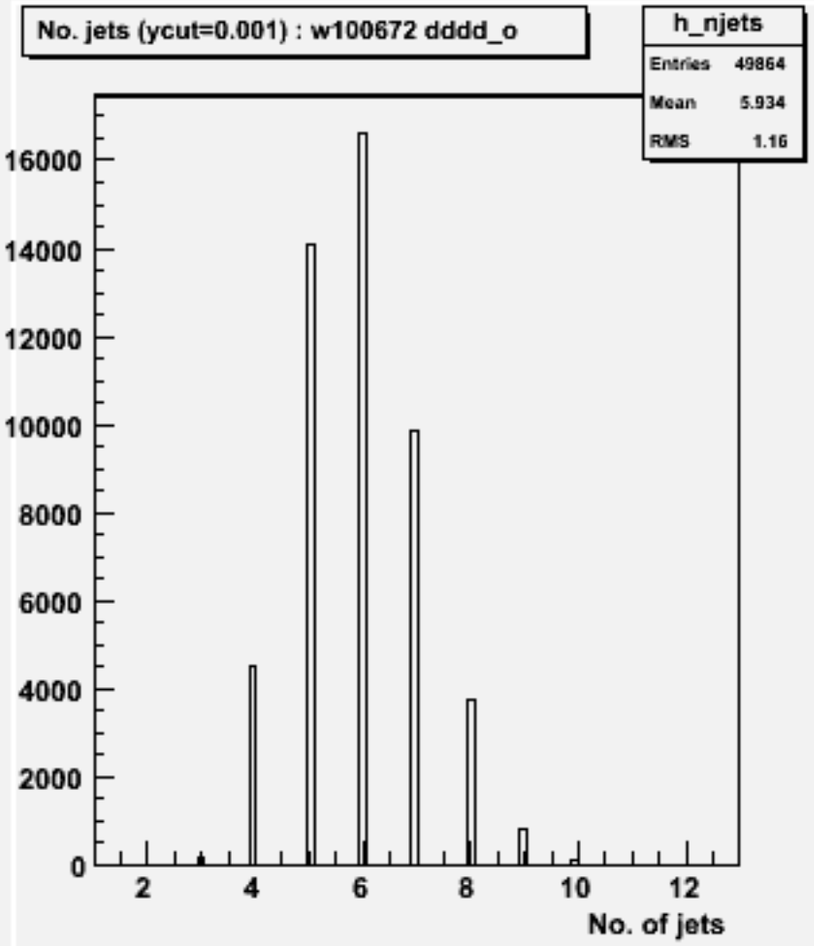

Total Energy (w/o ν): w100672 dddd_o
h_evis
Entries 49864
Mean 346.9
RMS 7.137
Energy(GeV)

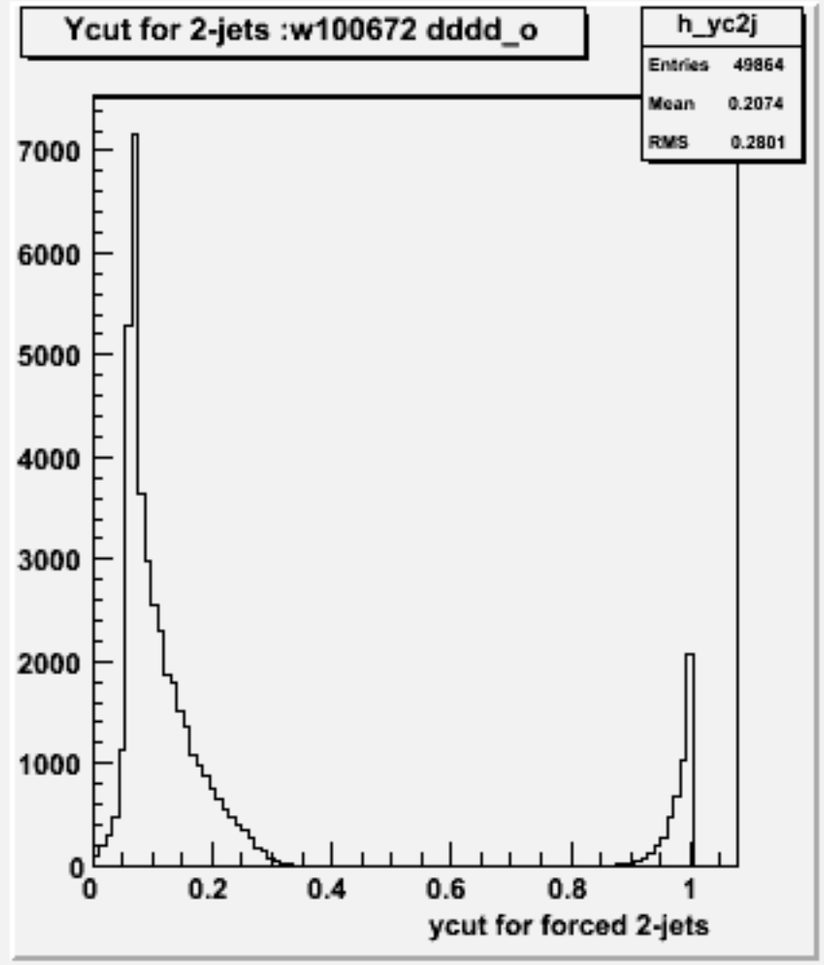

Pt Sum: w100672 dddd_o
h_pt
Entries 49864
Mean 0.03662
RMS 0.5883
Pt(sum) (GeV)

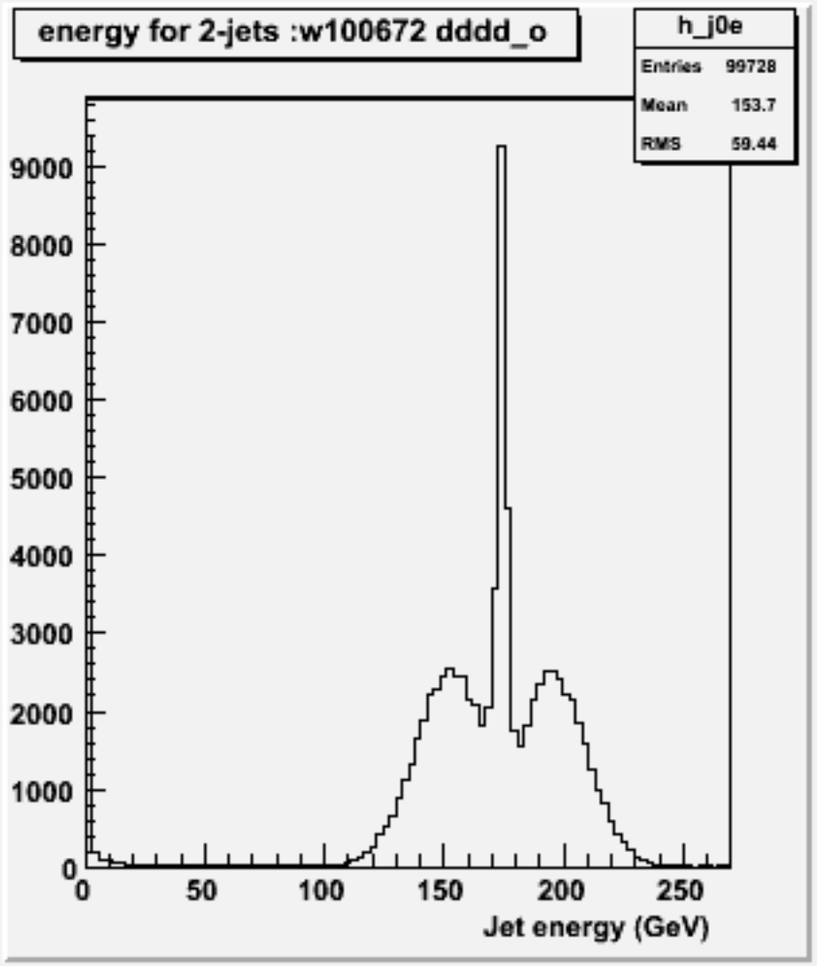

Pz Sum: w100672 dddd_o
h_pz
Entries 49864
Mean -0.01804
RMS 6.993
Pz(sum) (GeV)

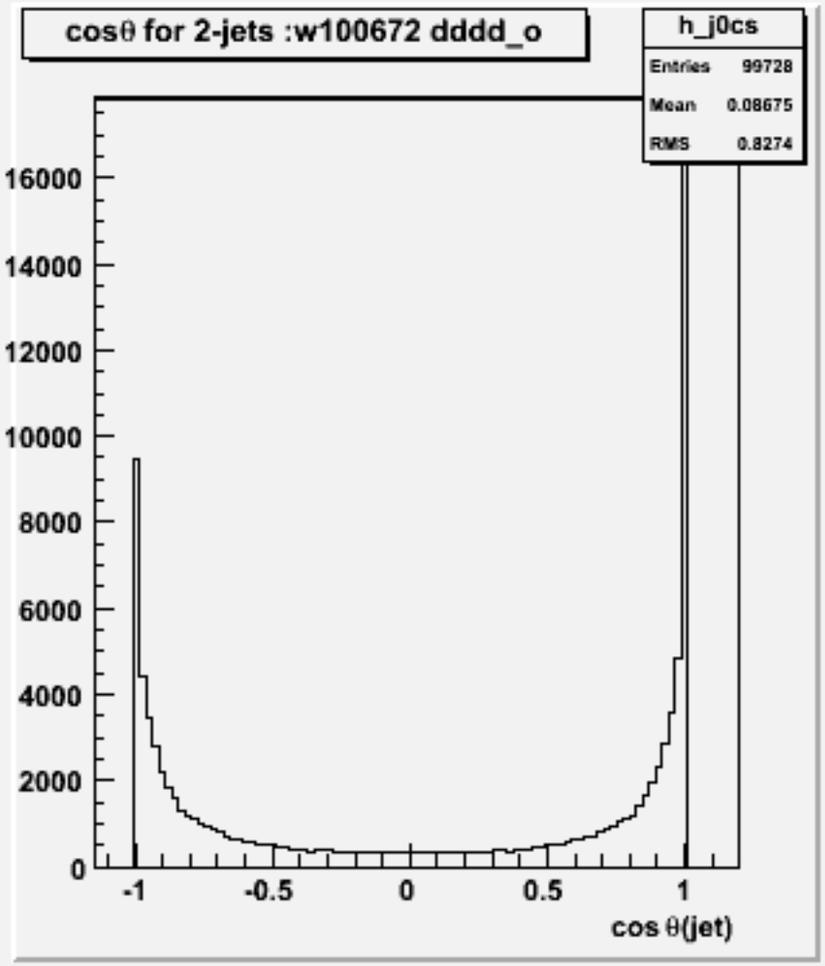

Thrust w100672 dddd_o
h_thrust
Entries 49864
Mean 0.844
RMS 0.06157
Thrust

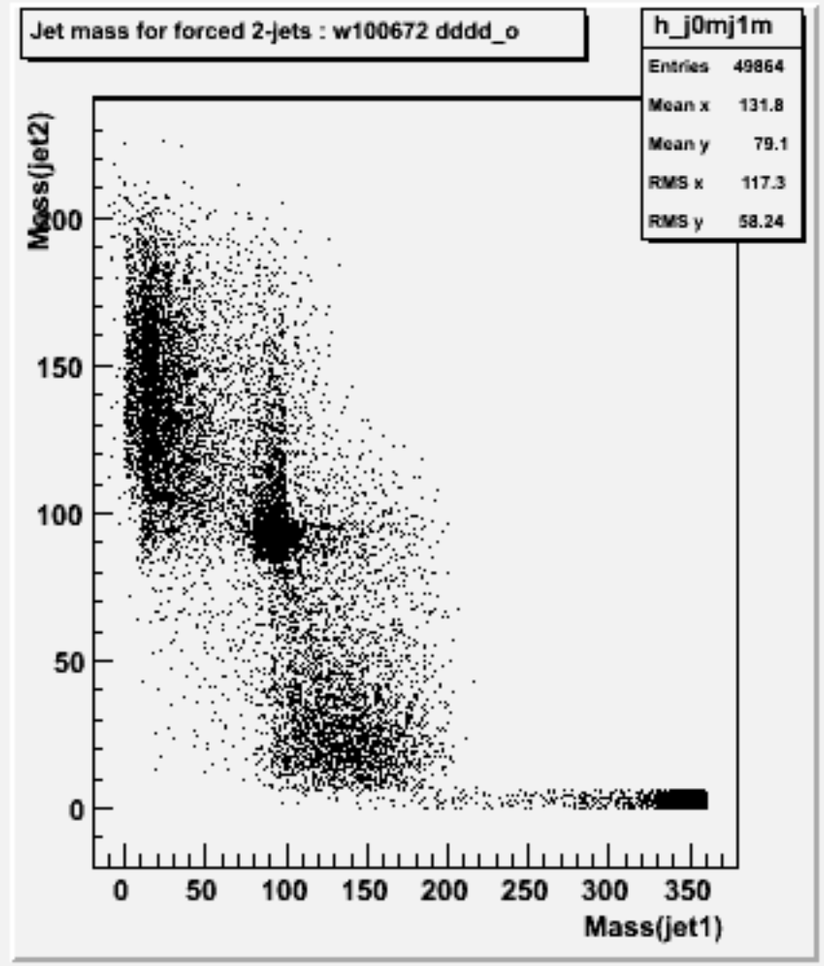

cosΘ(thrust) w100672 dddd_o
h_csth
Entries 49864
Mean -0.002735
RMS 0.787
Thrust

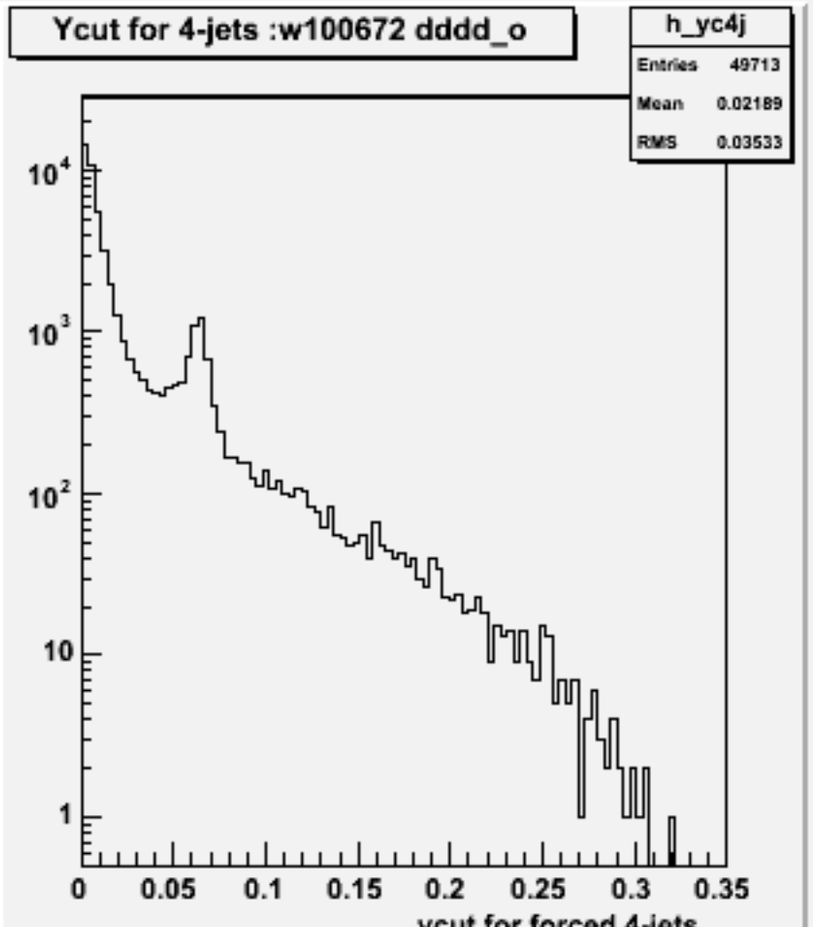

No. jets (ycut=0.001) : w100672 dddd_o
h_njets
Entries 49864
Mean 5.934
RMS 1.16
No. of jets

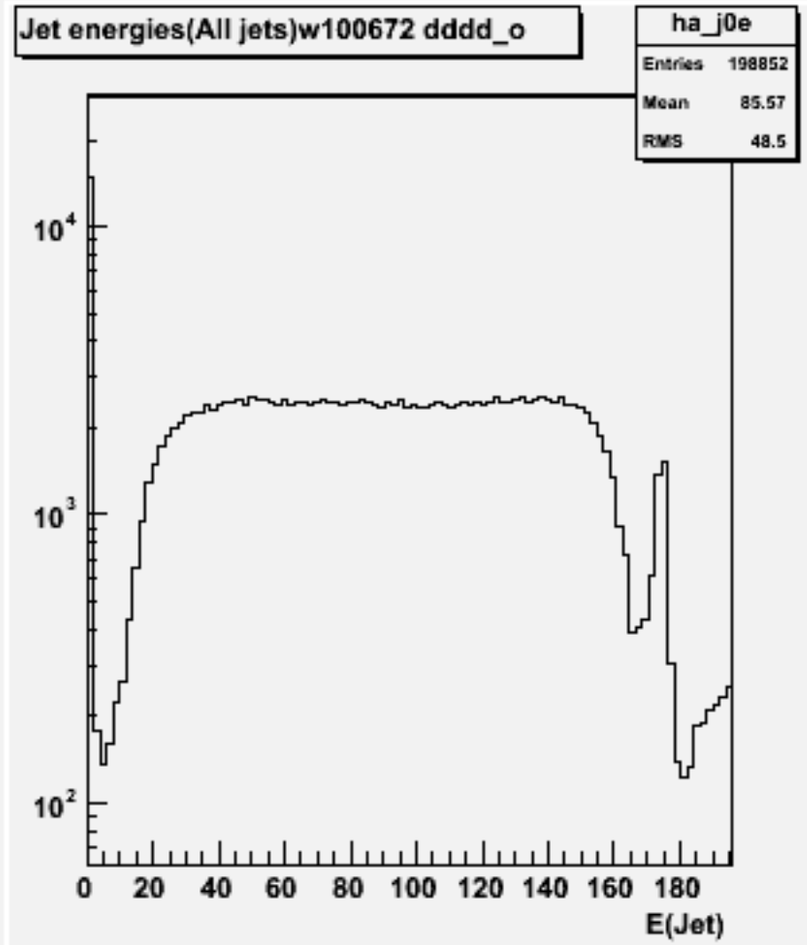

Ycut for 2-jets :w100672 dddd_o
h_yc2j
Entries 49864
Mean 0.2074
RMS 0.2801
ycut for forced 2-jets

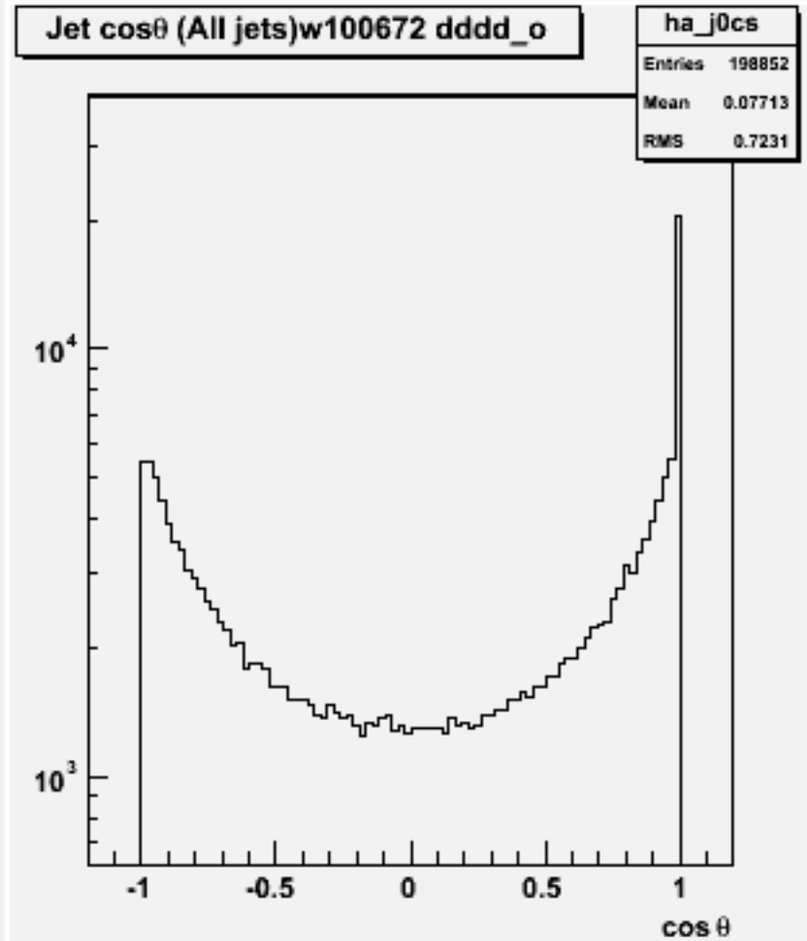

energy for 2-jets :w100672 dddd_o
h_j0e
Entries 99728
Mean 153.7
RMS 59.44
Jet energy (GeV)

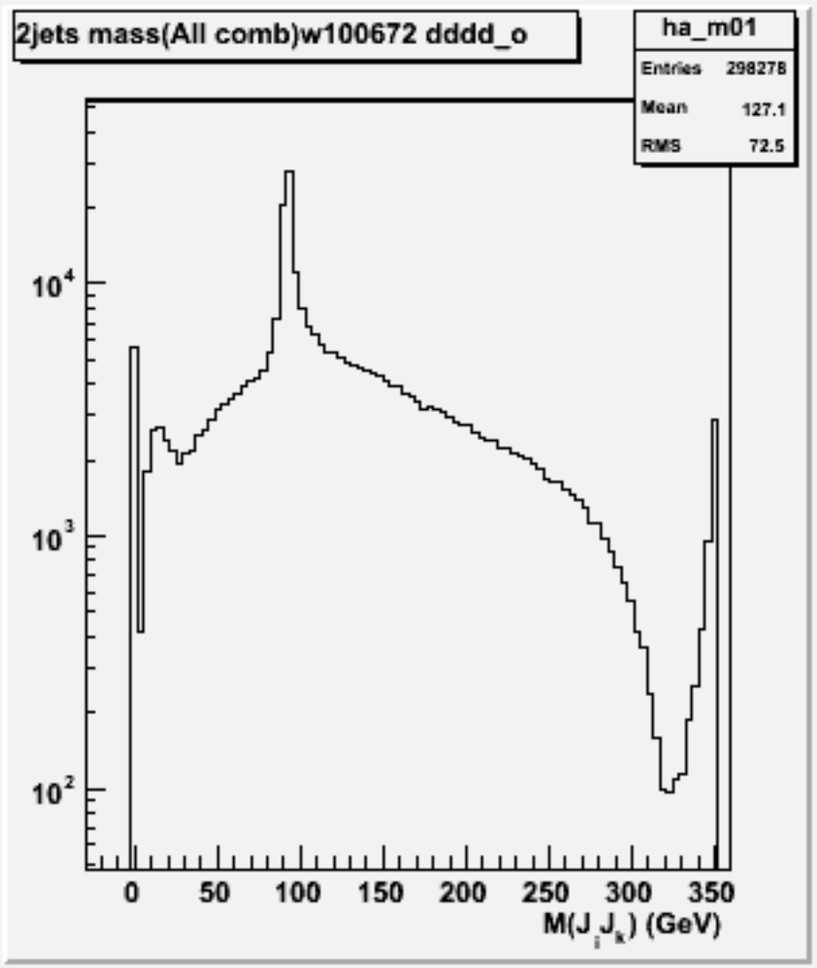

cosθ for 2-jets :w100672 dddd_o
h_j0cs
Entries 99728
Mean 0.08675
RMS 0.8274
cos θ(jet)

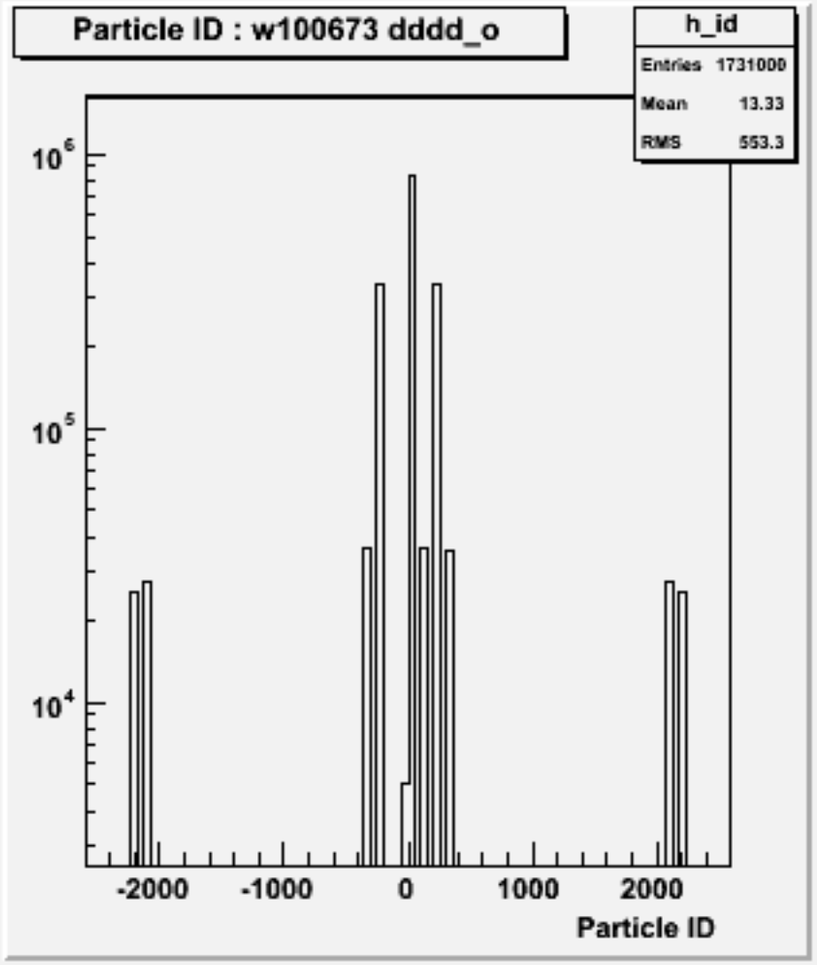

Jet mass for forced 2-jets : w100672 dddd_o
h_j0mj1m
Entries 49864
Mean x 131.8
Mean y 79.1
RMS x 117.3
RMS y 58.24
Mass(jet2)
Mass(jet1)

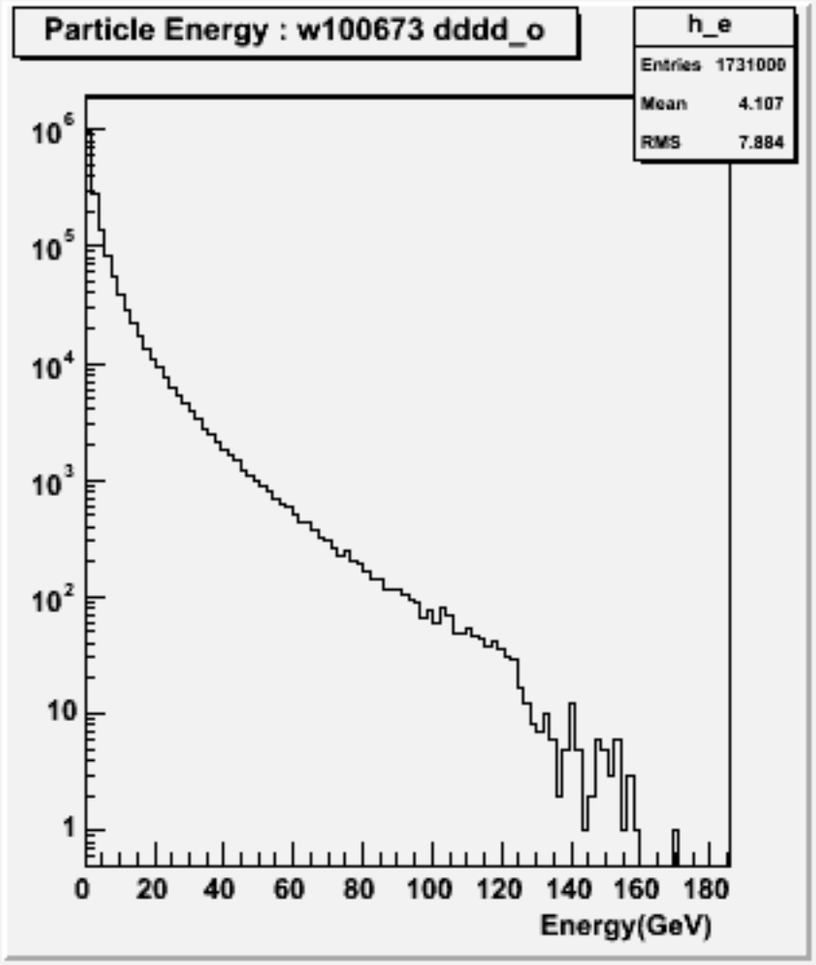

Ycut for 4-jets :w100672 dddd_o
h_yc4j
Entries 49713
Mean 0.02189
RMS 0.03533
ycut for forced 4-jets

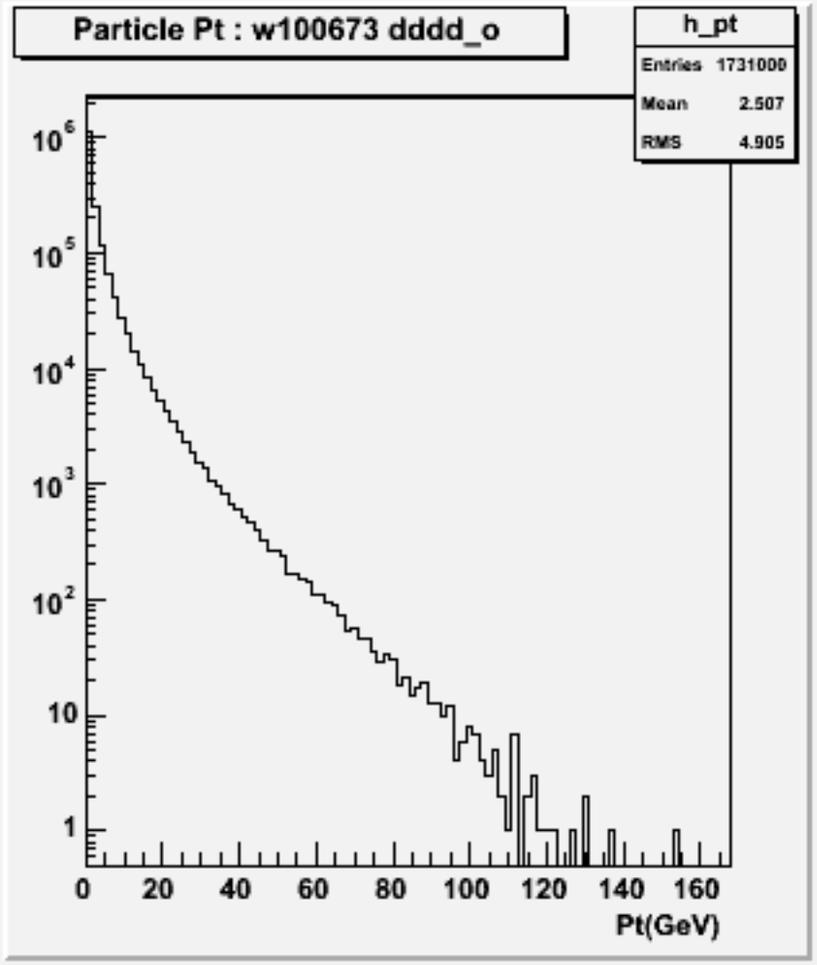

Jet energies(All jets)w100672 dddd_o
ha_j0e
Entries 198852
Mean 85.57
RMS 48.5
E(Jet)

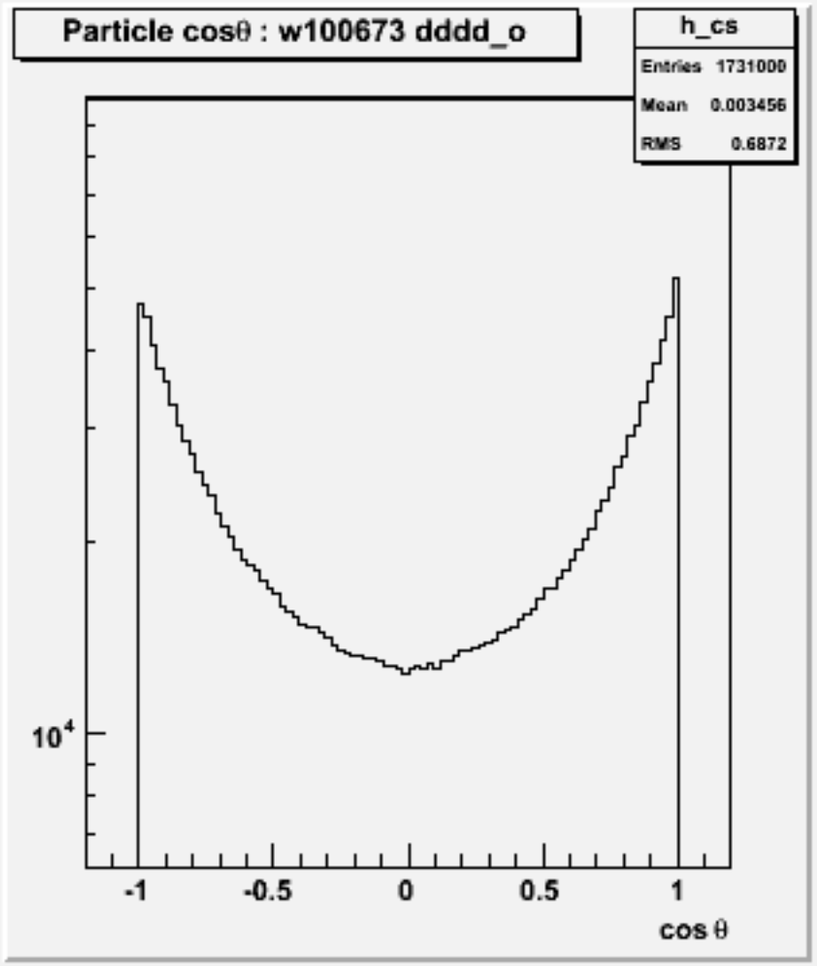

Jet cosθ (All jets)w100672 dddd_o
ha_j0cs
Entries 198852
Mean 0.07713
RMS 0.7231
cos θ

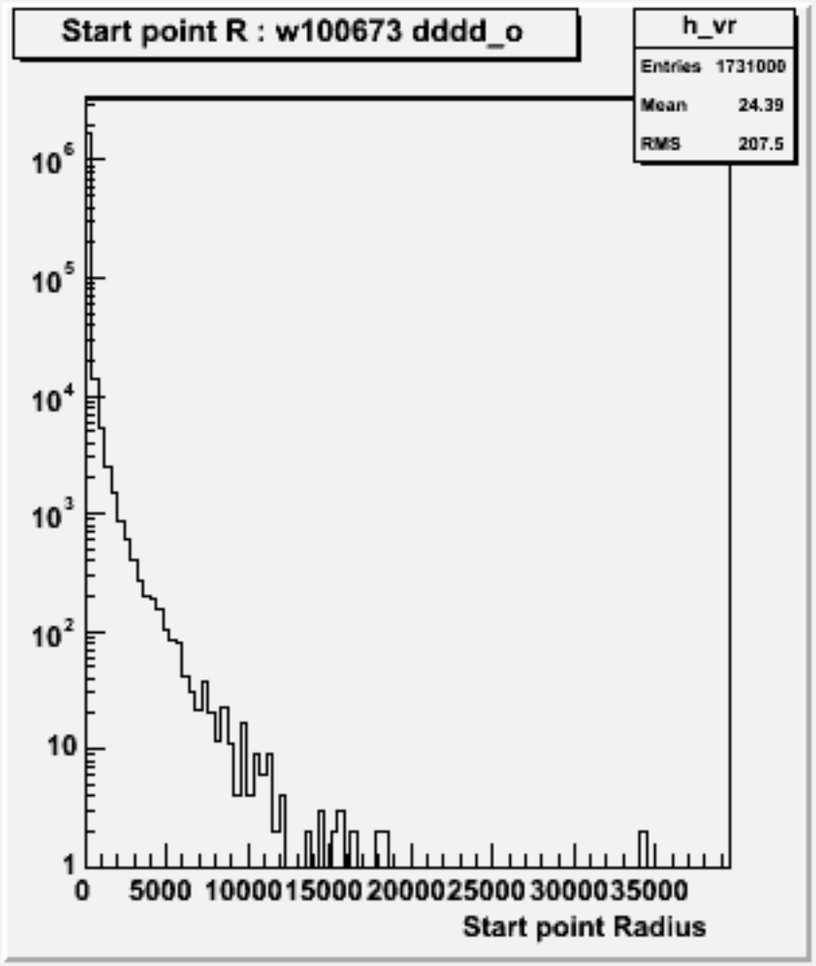

2jets mass(All comb)w100672 dddd_o
ha_m01
Entries 298278
Mean 127.1
RMS 72.5
M(J_iJ_k) (GeV)

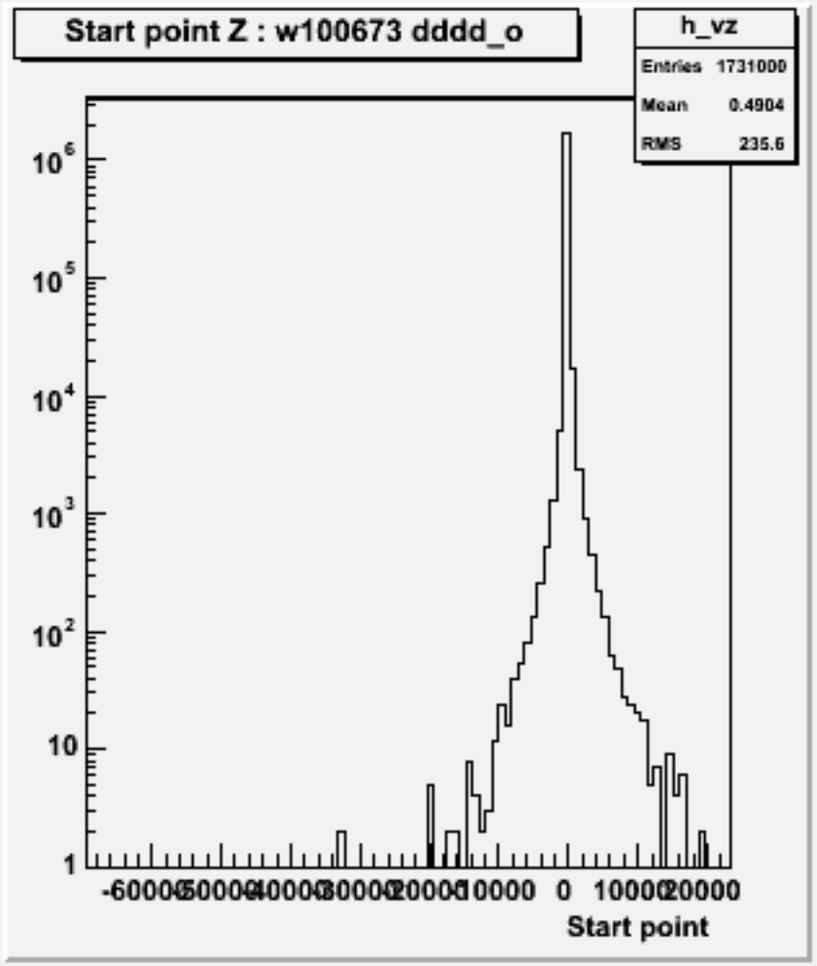

Particle ID : w100673 dddd_o
h_id
Entries 1731000
Mean 13.33
RMS 553.3
Particle ID

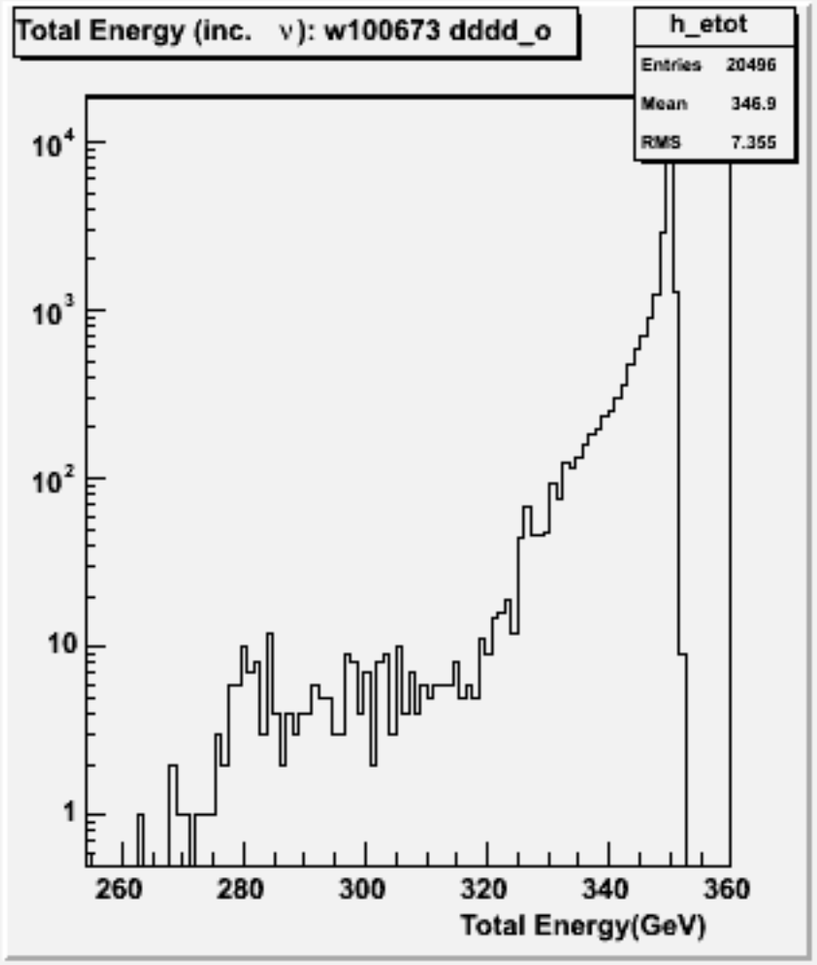

Particle Energy : w100673 dddd_o
h_e
Entries 1731000
Mean 4.107
RMS 7.884
Energy(GeV)

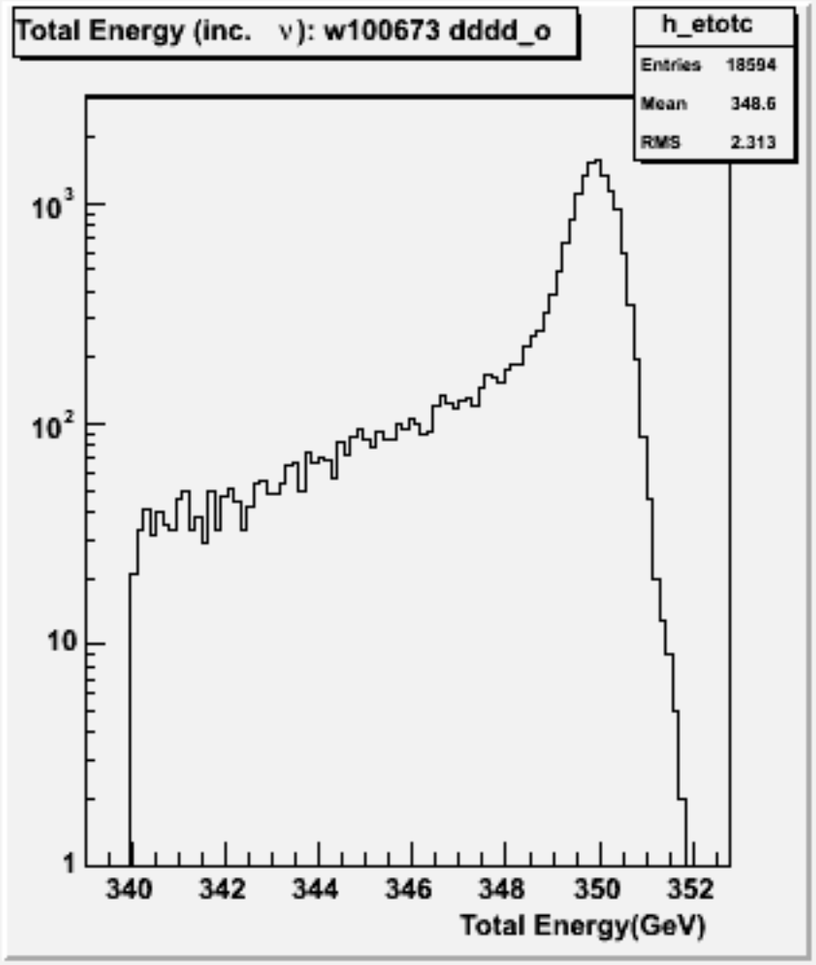

Particle Pt : w100673 dddd_o
h_pt
Entries 1731000
Mean 2.507
RMS 4.905
Pt(GeV)

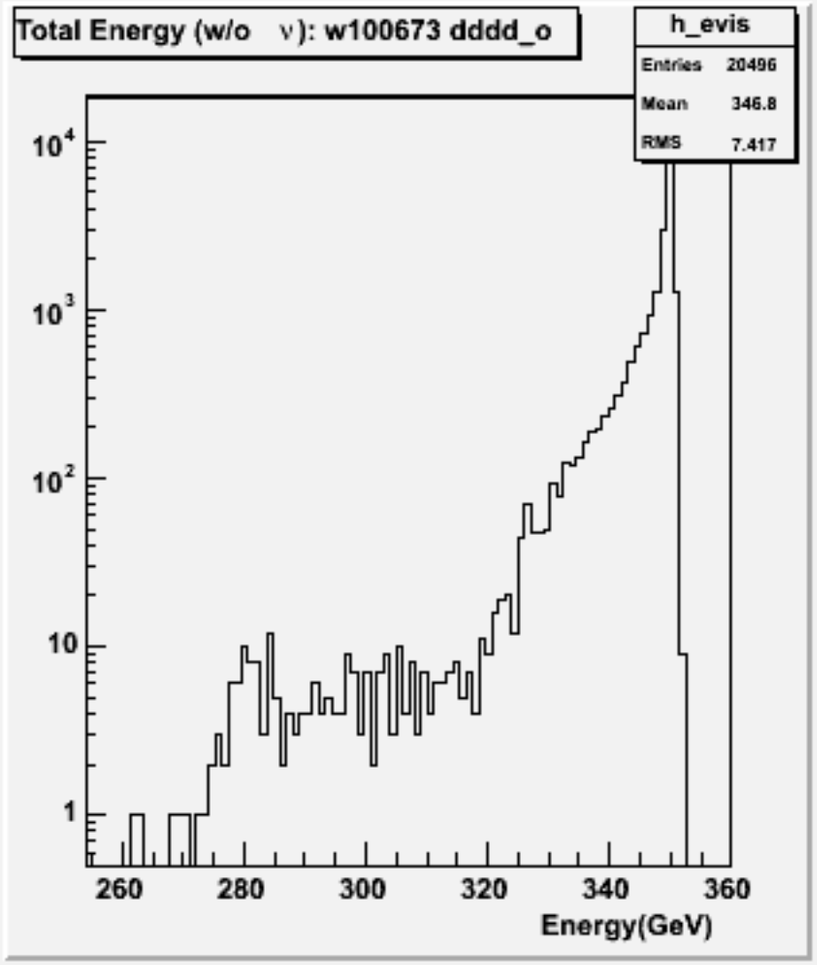

Particle cosθ : w100673 dddd_o
h_cs
Entries 1731000
Mean 0.003456
RMS 0.6872
cos θ

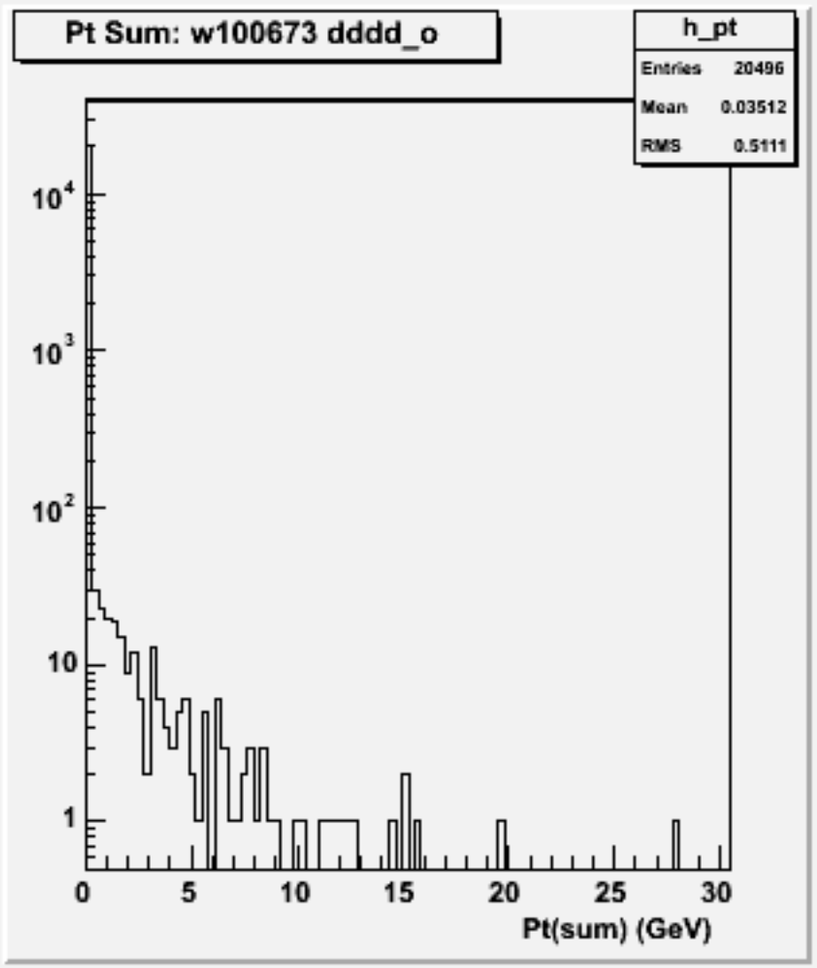

Start point R : w100673 dddd_o
h_vr
Entries 1731000
Mean 24.39
RMS 207.5
Start point Radius

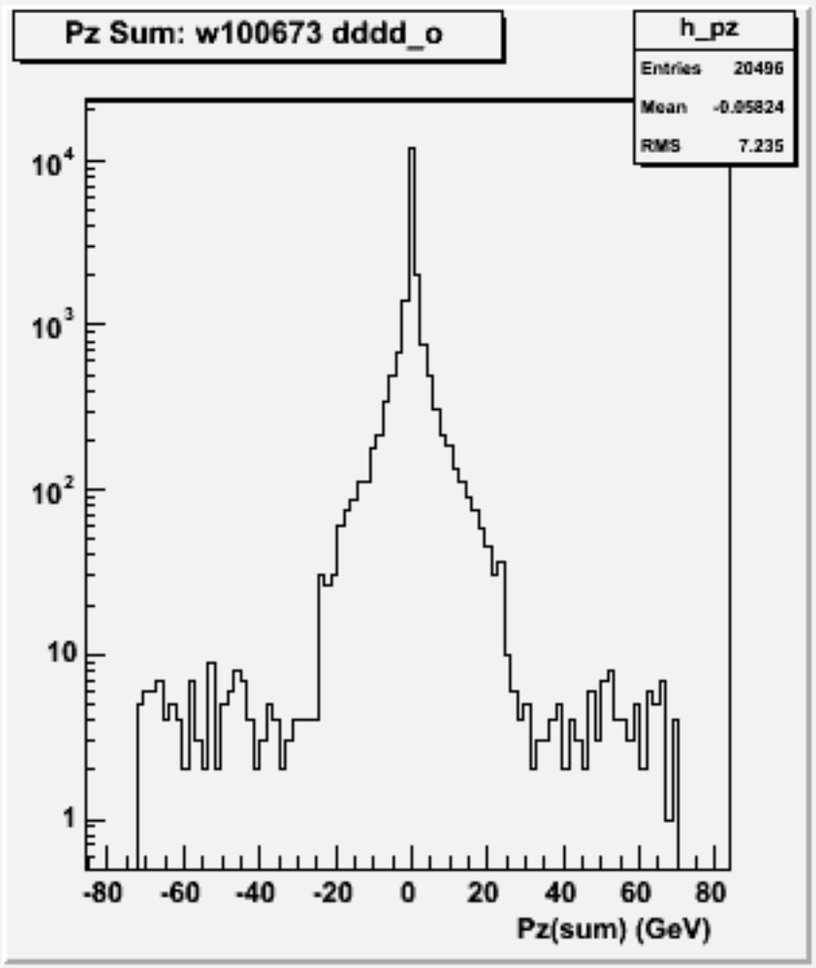

Start point Z : w100673 dddd_o
h_vz
Entries 1731000
Mean 0.4904
RMS 235.6
Start point

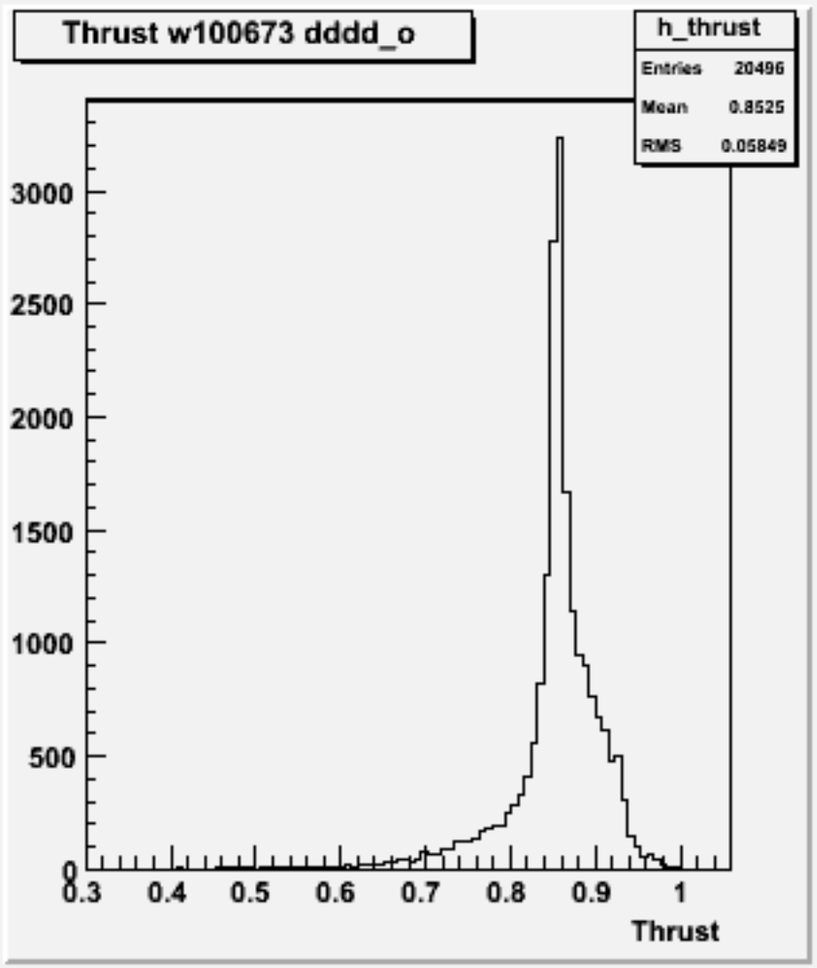

Total Energy (inc. ν): w100673 dddd_o
h_etot
Entries 20496
Mean 346.9
RMS 7.355
Total Energy(GeV)

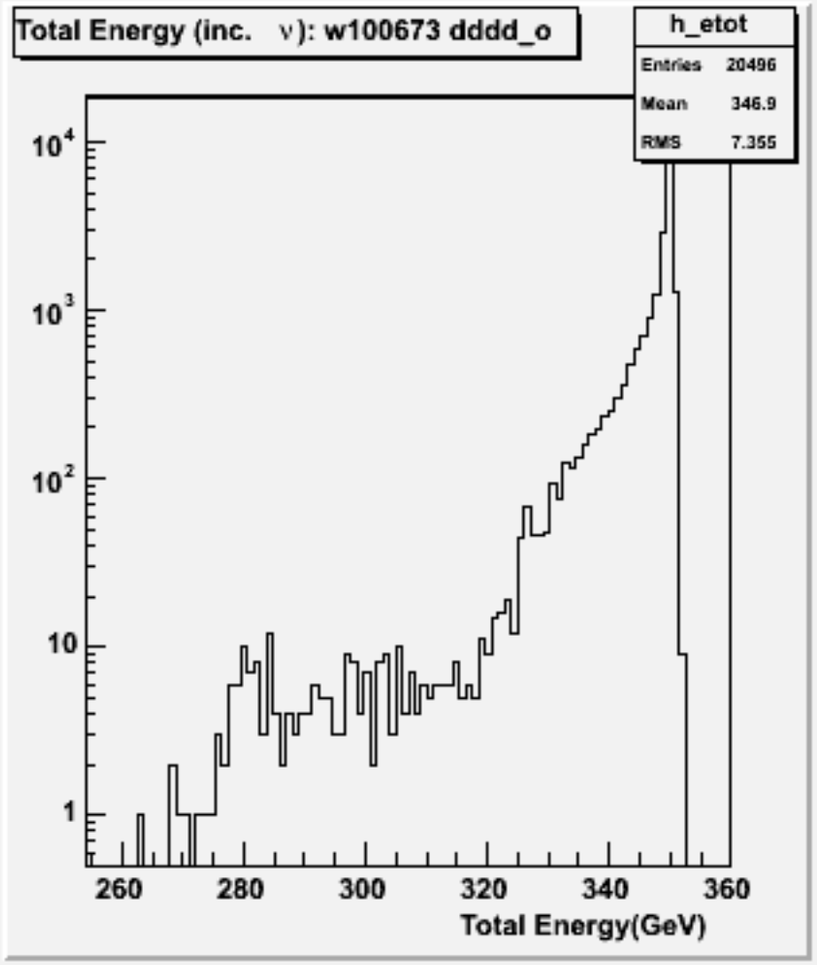

Total Energy (inc. ν): w100673 dddd_o
h_etotc
Entries 18594
Mean 348.6
RMS 2.313
Total Energy(GeV)

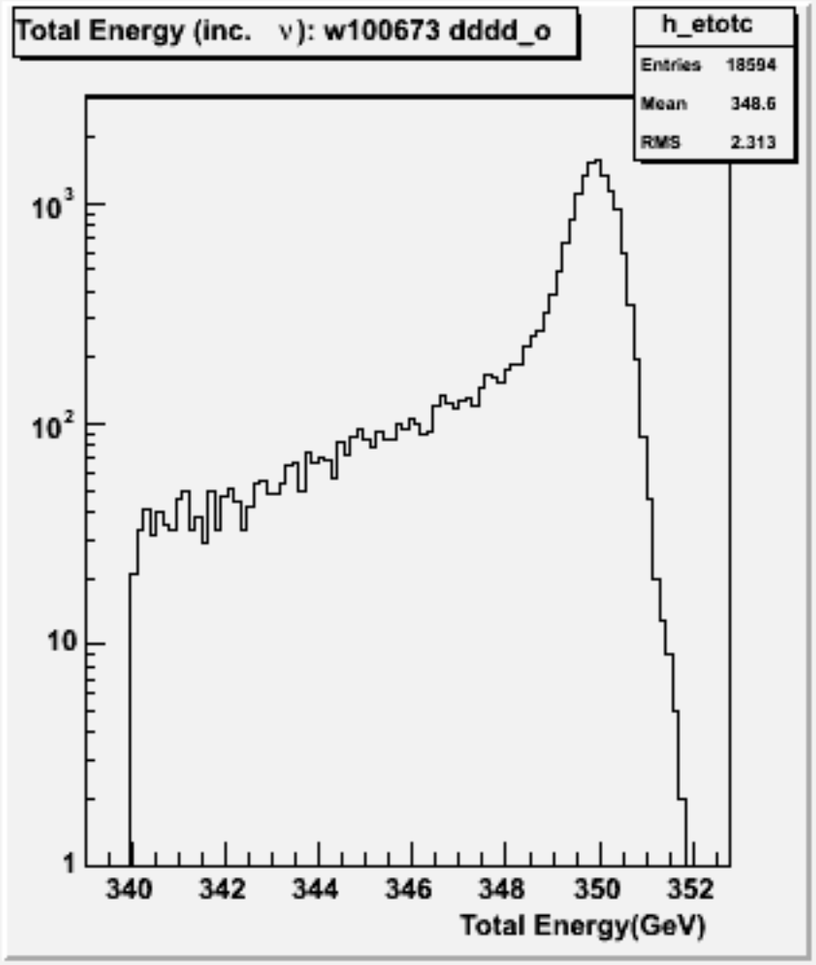

Total Energy (w/o ν): w100673 dddd_o
h_evis
Entries 20496
Mean 346.8
RMS 7.417
Energy(GeV)

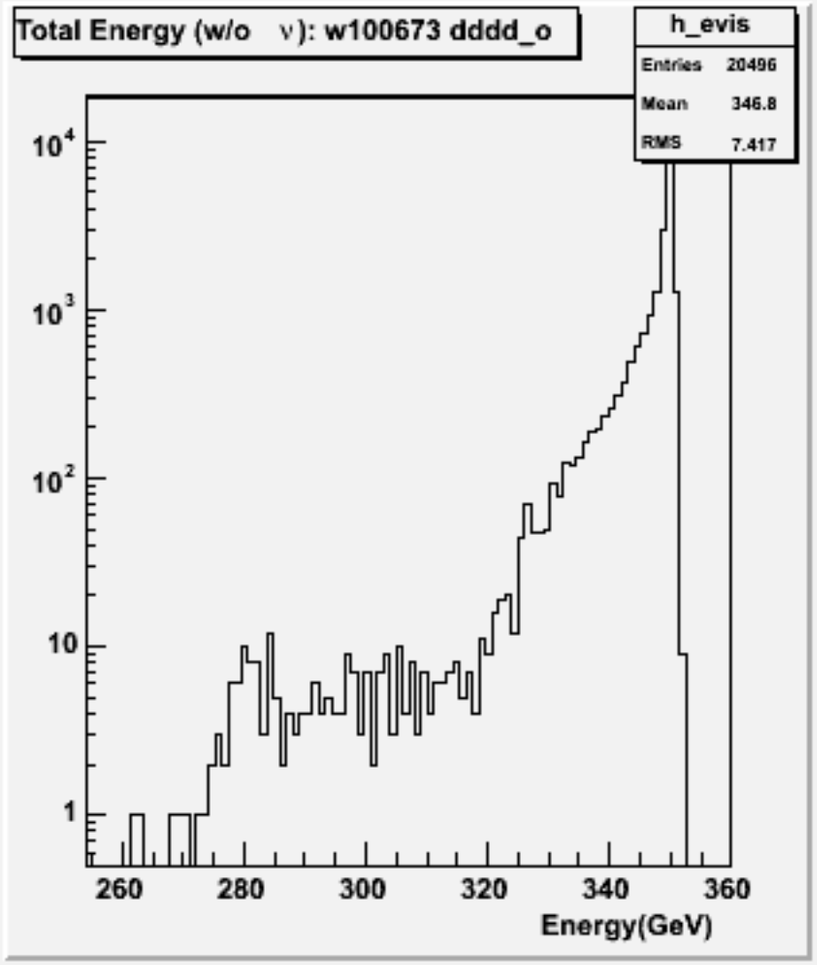

Pt Sum: w100673 dddd_o
h_pt
Entries 20496
Mean 0.03512
RMS 0.5111
Pt(sum) (GeV)

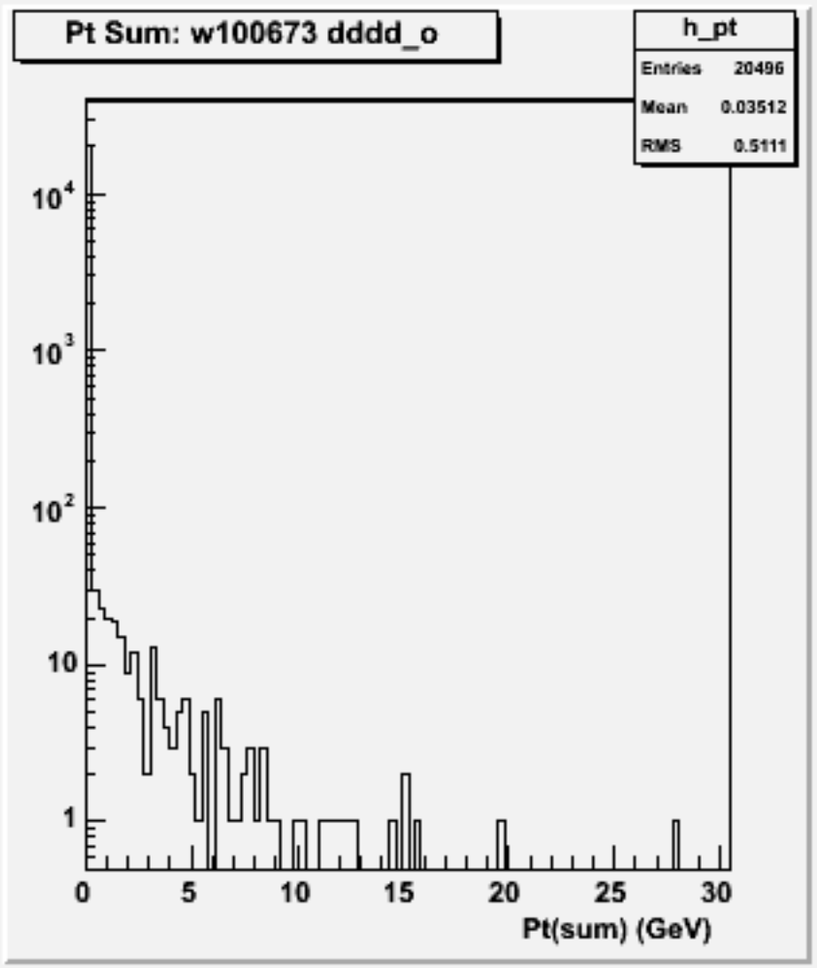

Pz Sum: w100673 dddd_o
h_pz
Entries 20496
Mean -0.05824
RMS 7.235
Pz(sum) (GeV)

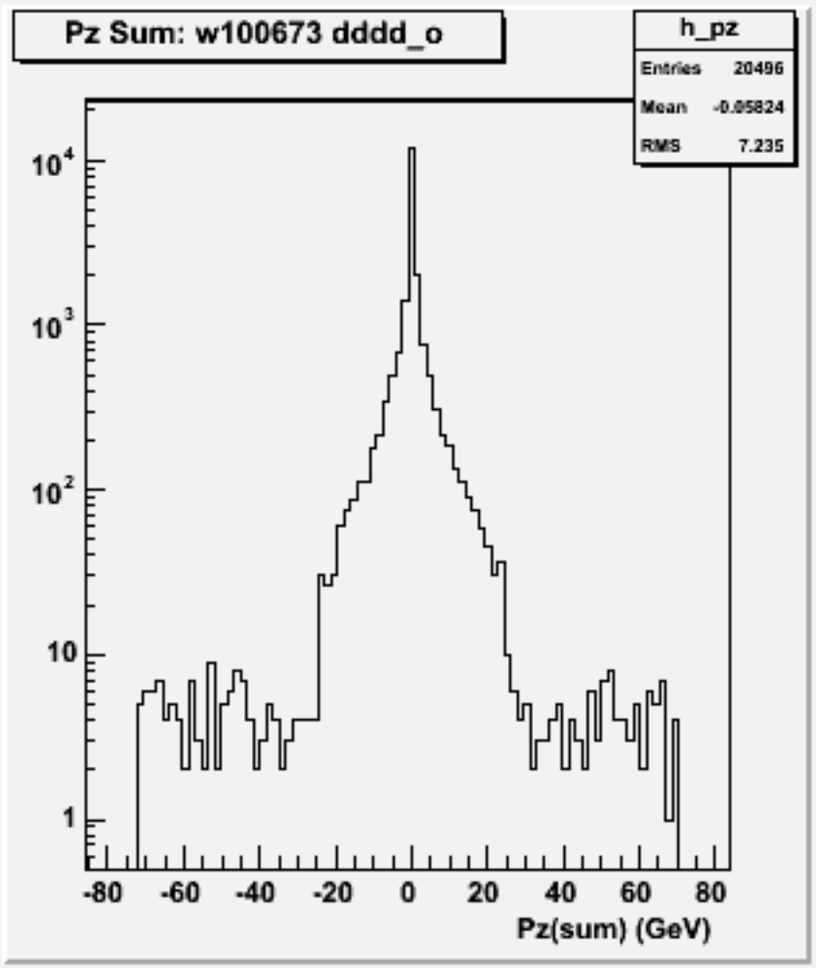

Thrust w100673 dddd_o
h_thrust
Entries 20496
Mean 0.8525
RMS 0.05849
Thrust

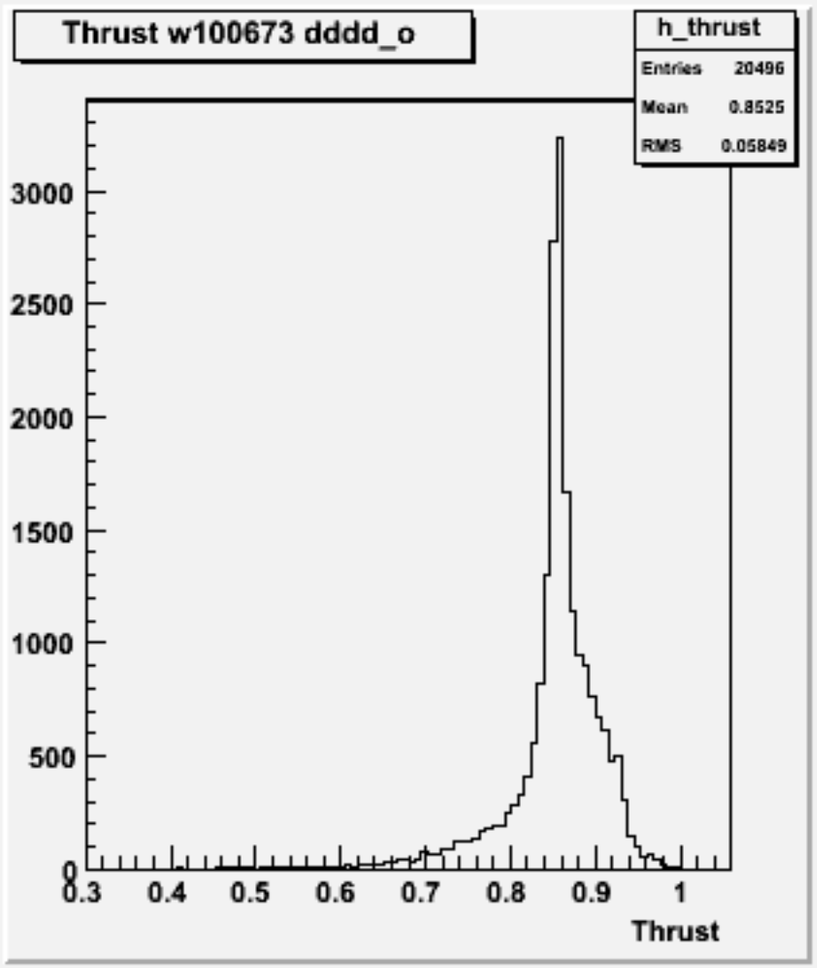

Total Energy (inc. ν): w100673 dddd_o
h_etot
Entries 20496
Mean 346.9
RMS 7.355
Total Energy(GeV)

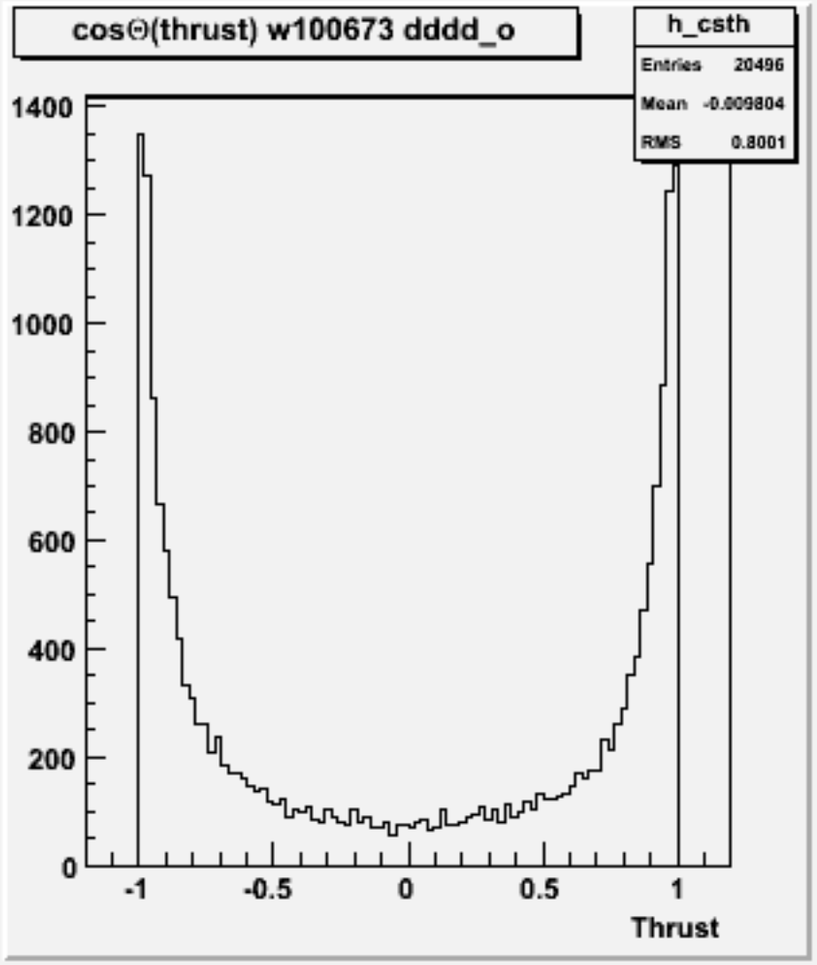

Total Energy (inc. ν): w100673 dddd_o
h_etotc
Entries 18594
Mean 348.6
RMS 2.313
Total Energy(GeV)

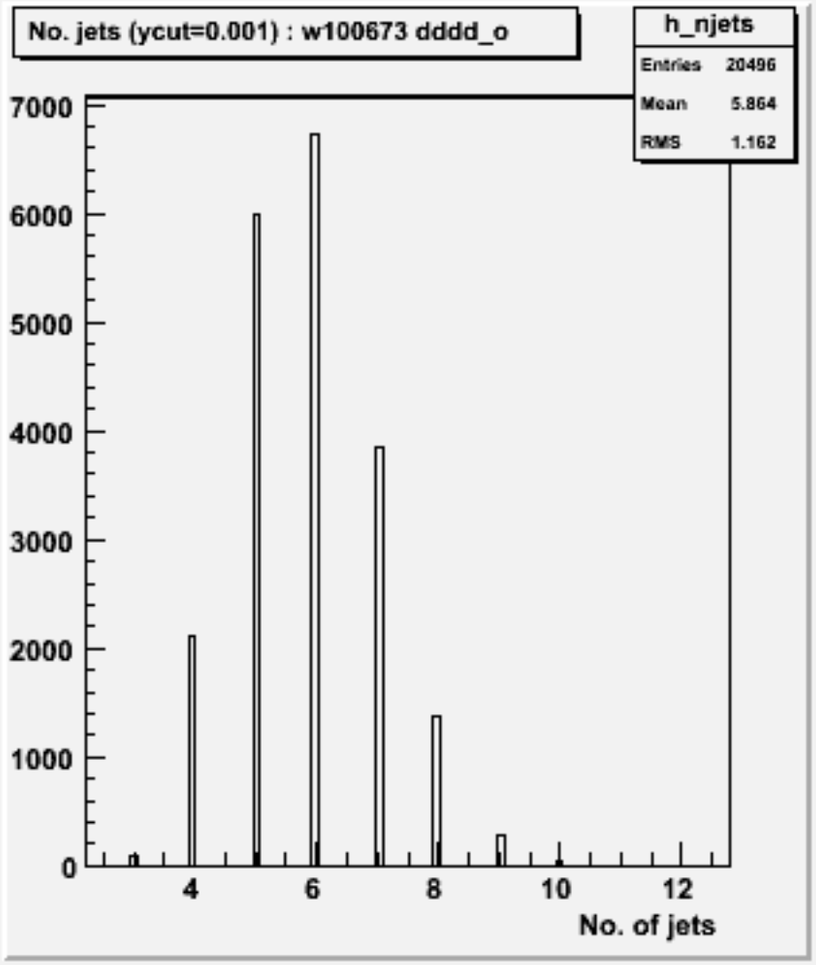

Total Energy (w/o ν): w100673 dddd_o
h_evis
Entries 20496
Mean 346.8
RMS 7.417
Energy(GeV)

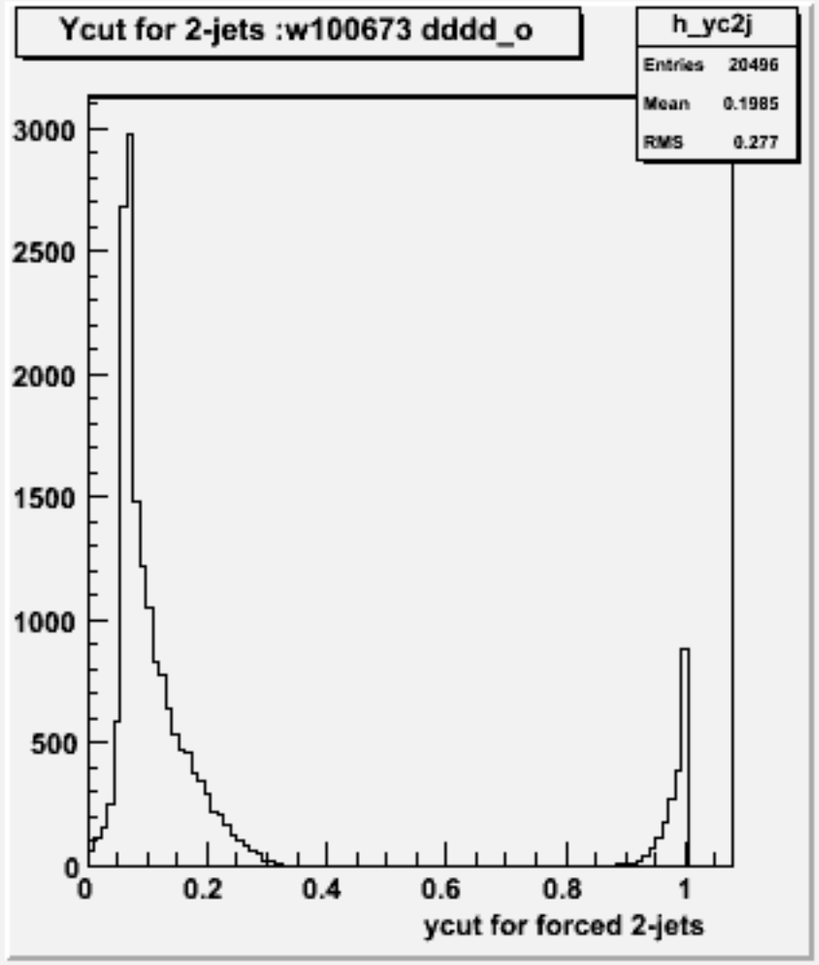

Pt Sum: w100673 dddd_o
h_pt
Entries 20496
Mean 0.03512
RMS 0.5111
Pt(sum) (GeV)

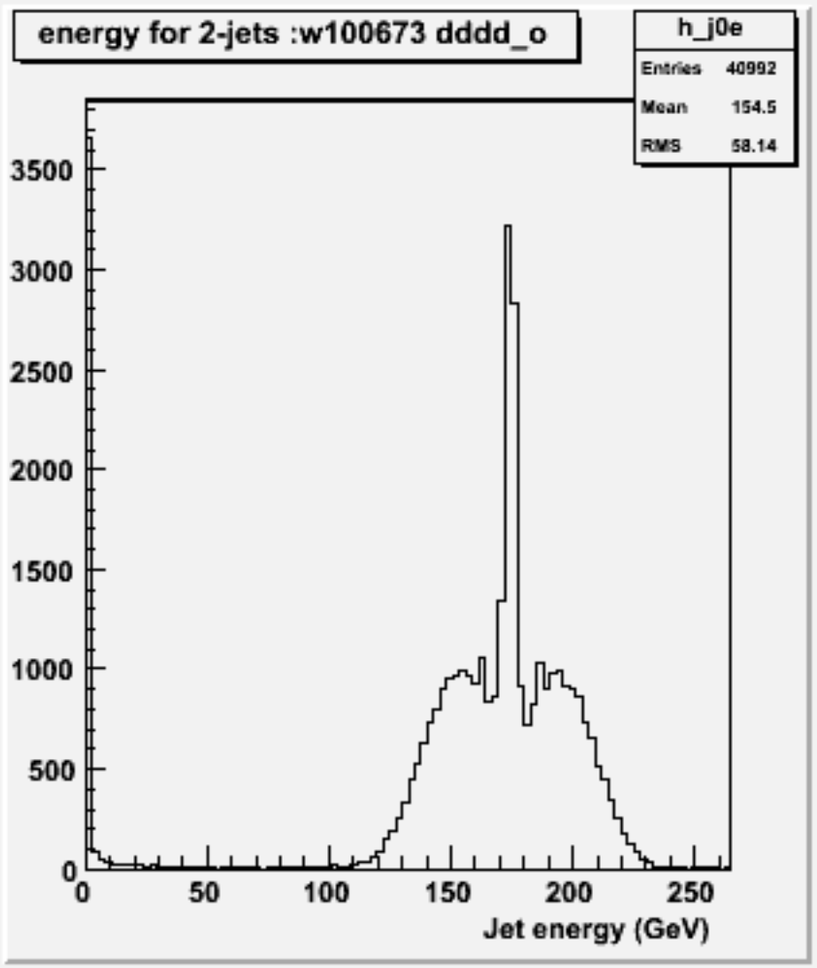

Pz Sum: w100673 dddd_o
h_pz
Entries 20496
Mean -0.05824
RMS 7.235
Pz(sum) (GeV)

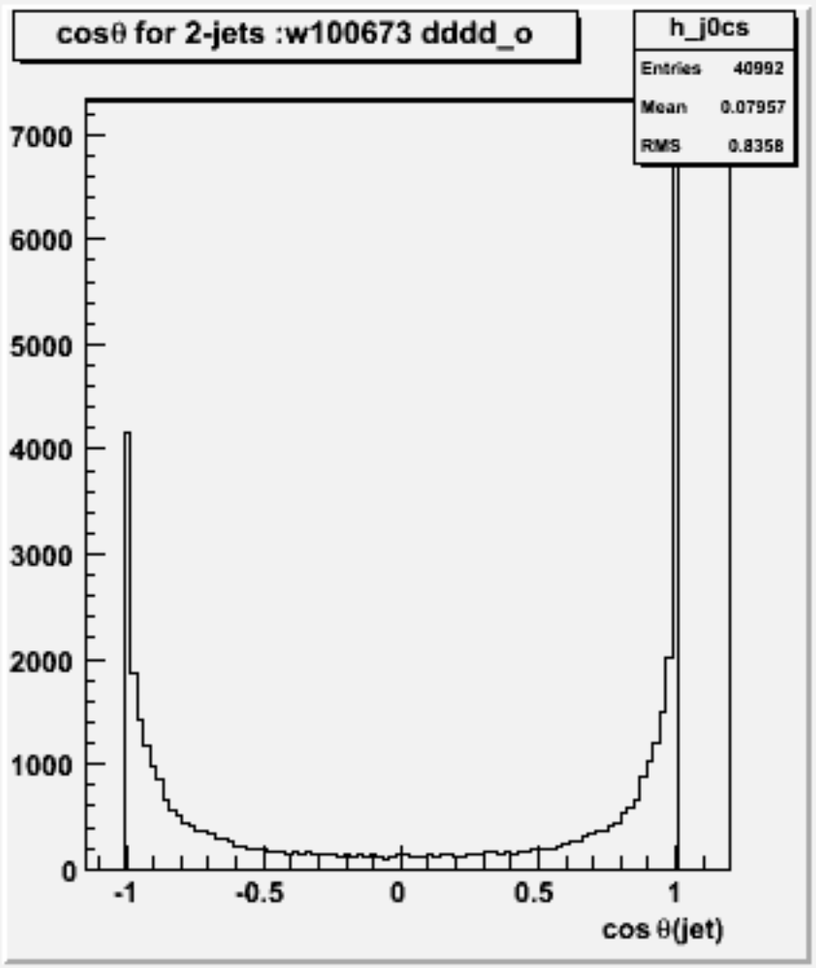

Thrust w100673 dddd_o
h_thrust
Entries 20496
Mean 0.8525
RMS 0.05849
Thrust

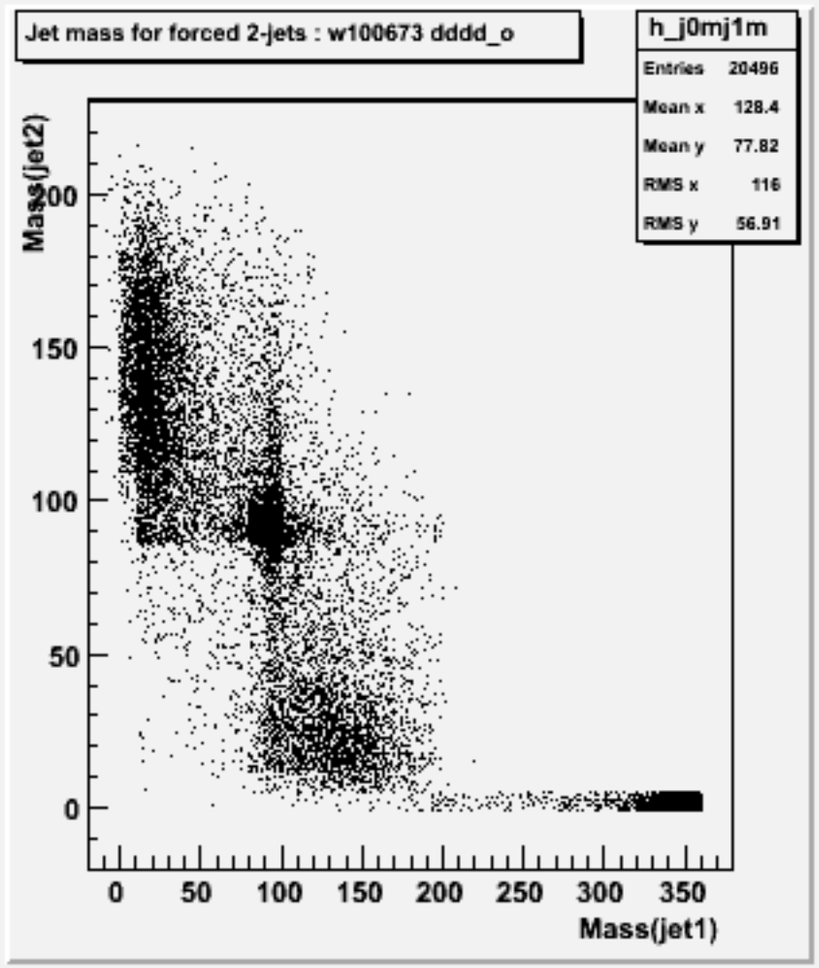

cosΘ(thrust) w100673 dddd_o
h_csth
Entries 20496
Mean -0.009804
RMS 0.8001
Thrust

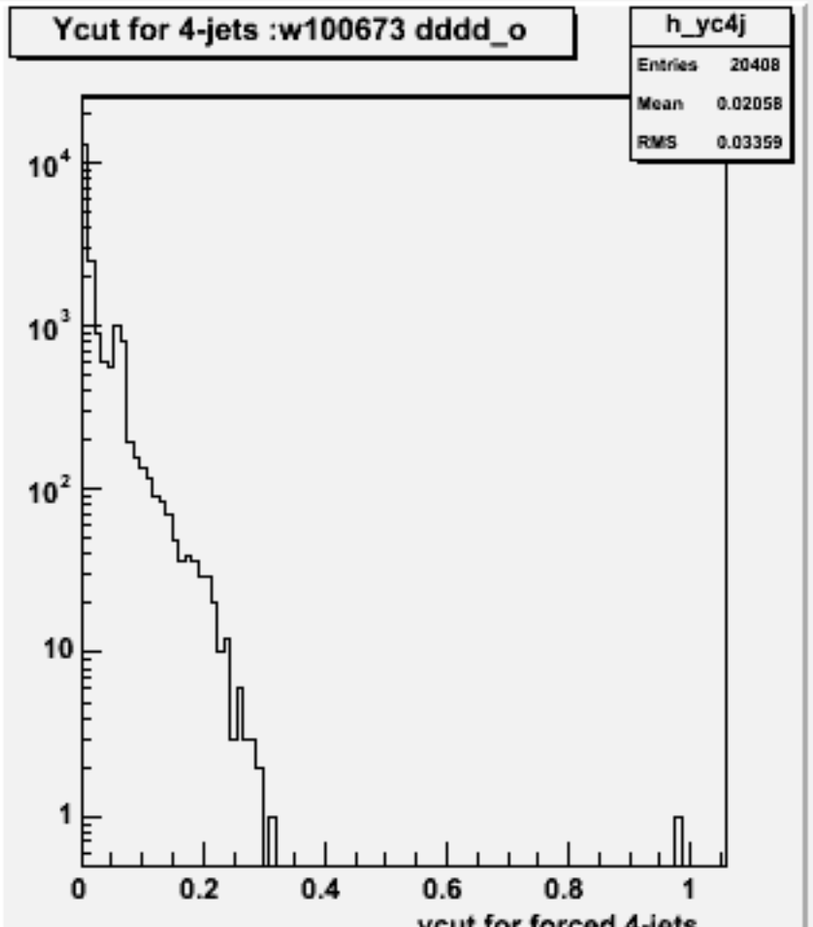

No. jets (ycut=0.001) : w100673 dddd_o
h_njets
Entries 20496
Mean 5.864
RMS 1.162
No. of jets

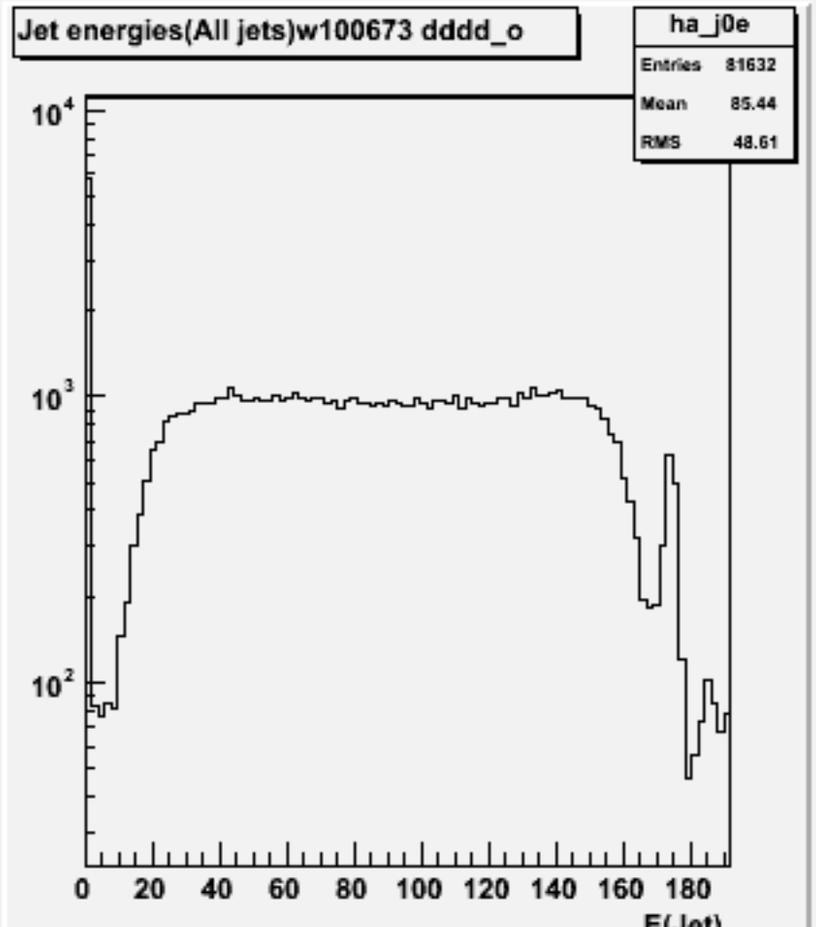

Ycut for 2-jets :w100673 dddd_o
h_yc2j
Entries 20496
Mean 0.1985
RMS 0.277
ycut for forced 2-jets

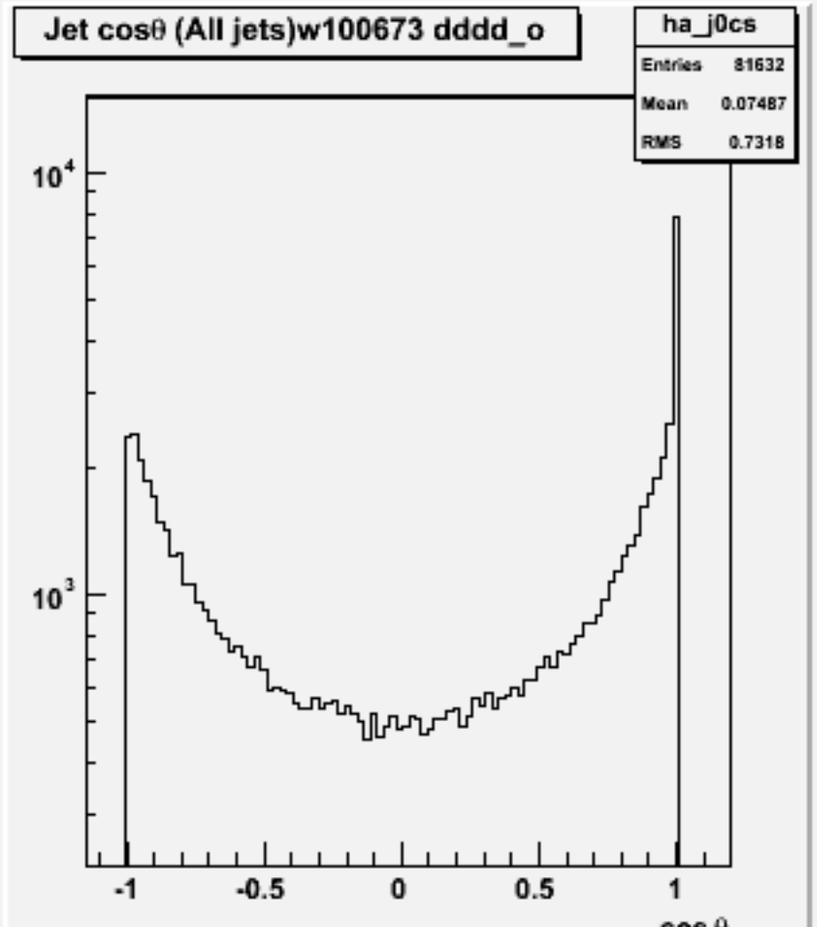

energy for 2-jets :w100673 dddd_o
h_j0e
Entries 40992
Mean 154.5
RMS 58.14
Jet energy (GeV)

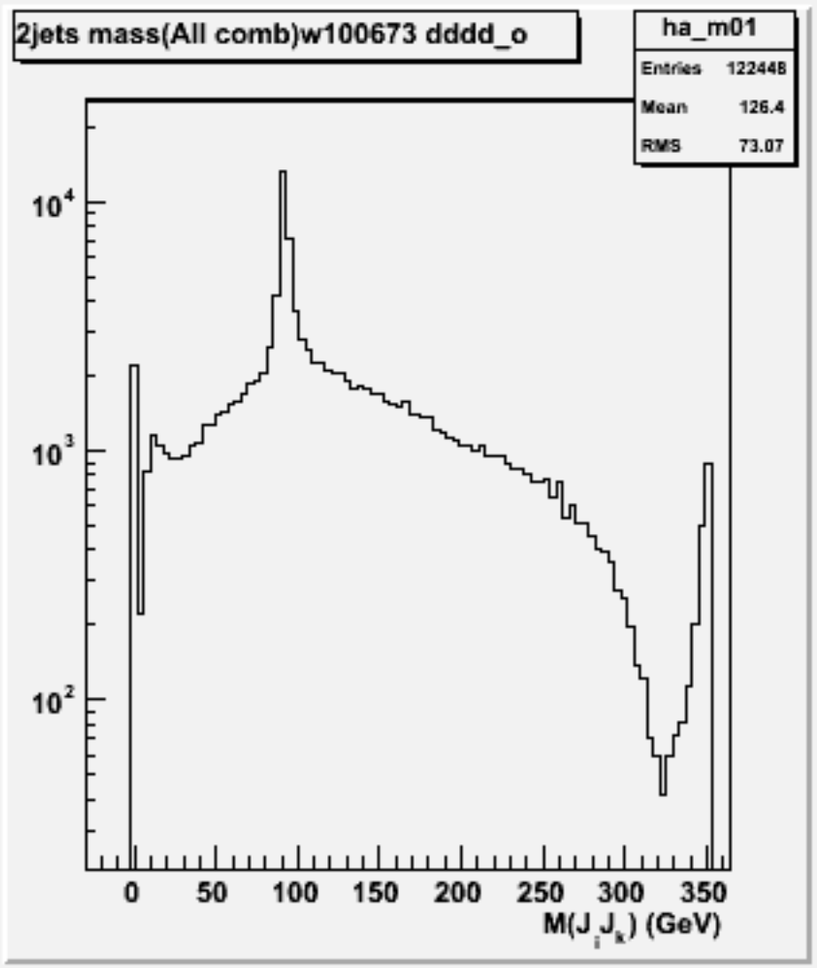

cosθ for 2-jets :w100673 dddd_o
h_j0cs
Entries 40992
Mean 0.07957
RMS 0.8358
cos θ(jet)

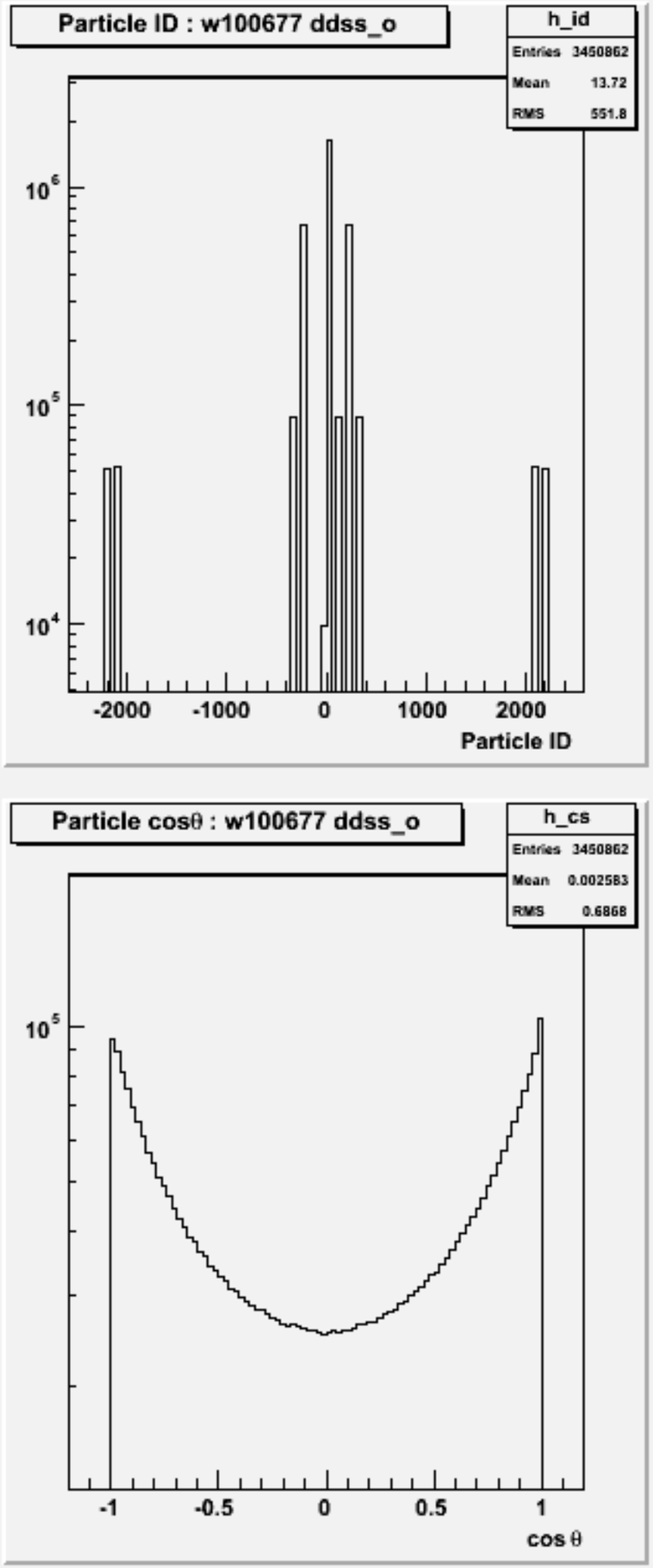

Jet mass for forced 2-jets : w100673 dddd_o
h_j0mj1m
Entries 20496
Mean x 128.4
Mean y 77.82
RMS x 116
RMS y 56.91
Mass(jet2)
Mass(jet1)

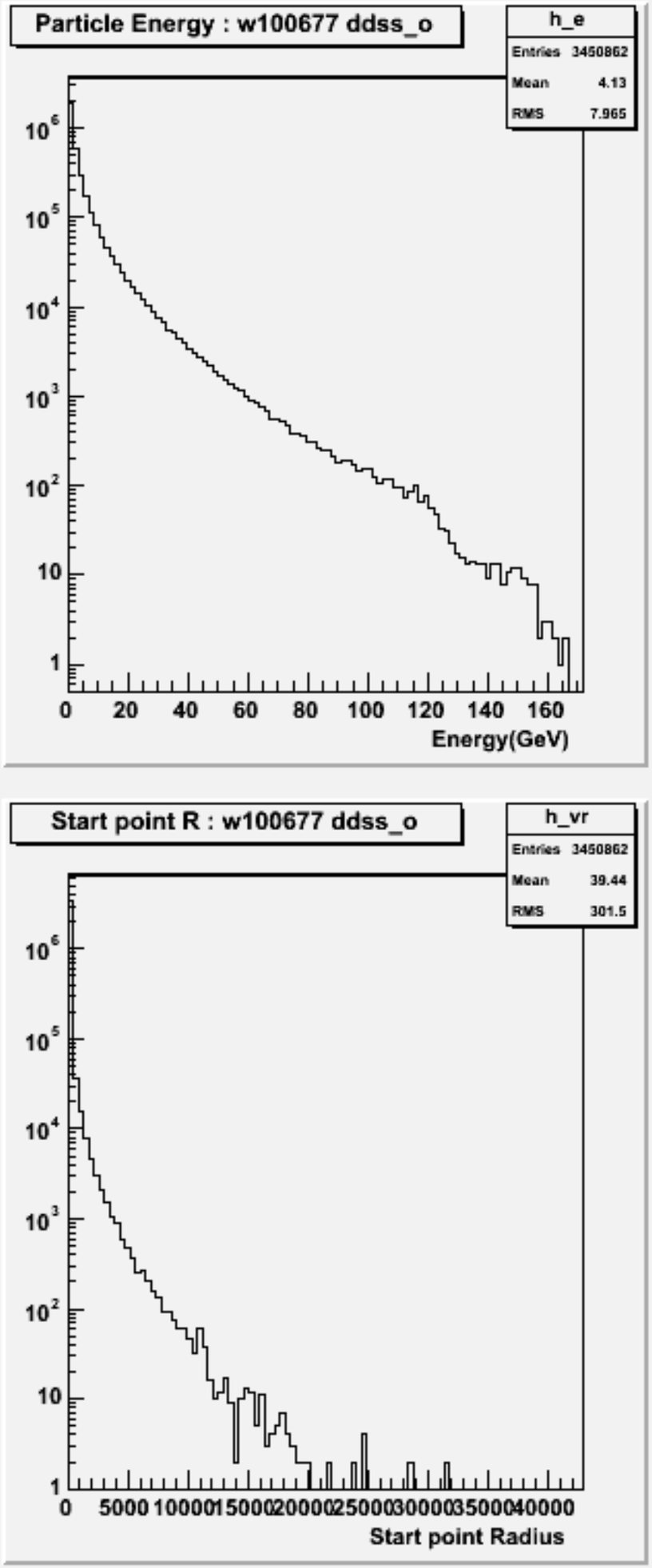

Ycut for 4-jets :w100673 dddd_o
h_yc4j
Entries 20408
Mean 0.02058
RMS 0.03359
ycut for forced 4-jets

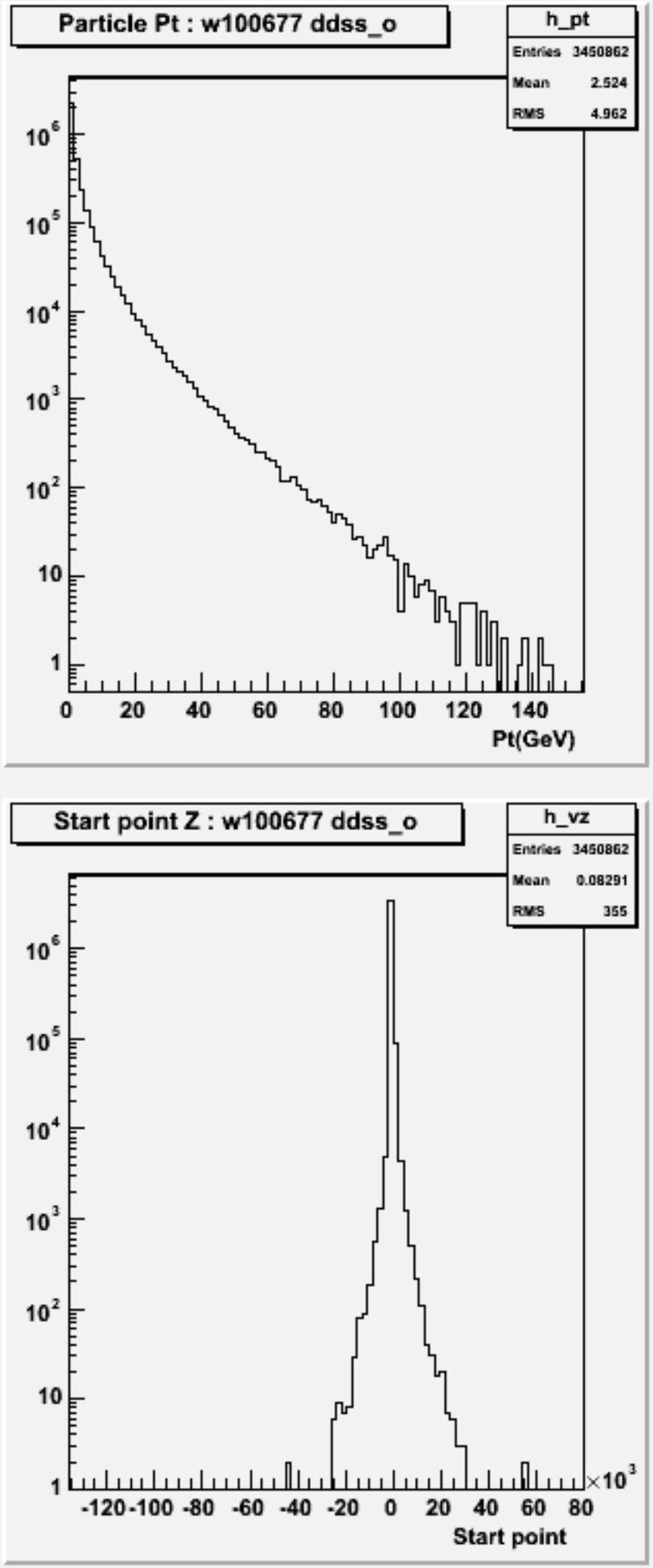

Jet energies(All jets)w100673 dddd_o
ha_j0e
Entries 81632
Mean 85.44
RMS 48.61
E(Jet)


Jet cosθ (All jets)w100673 dddd_o
ha_j0cs
Entries 81632
Mean 0.07487
RMS 0.7318
cos θ


2jets mass(All comb)w100673 dddd_o
ha_m01
Entries 122448
Mean 126.4
RMS 73.07
M(J_iJ_k) (GeV)


Particle ID : w100677 ddss_o
h_id
Entries 3450862
Mean 13.72
RMS 551.8
Particle ID

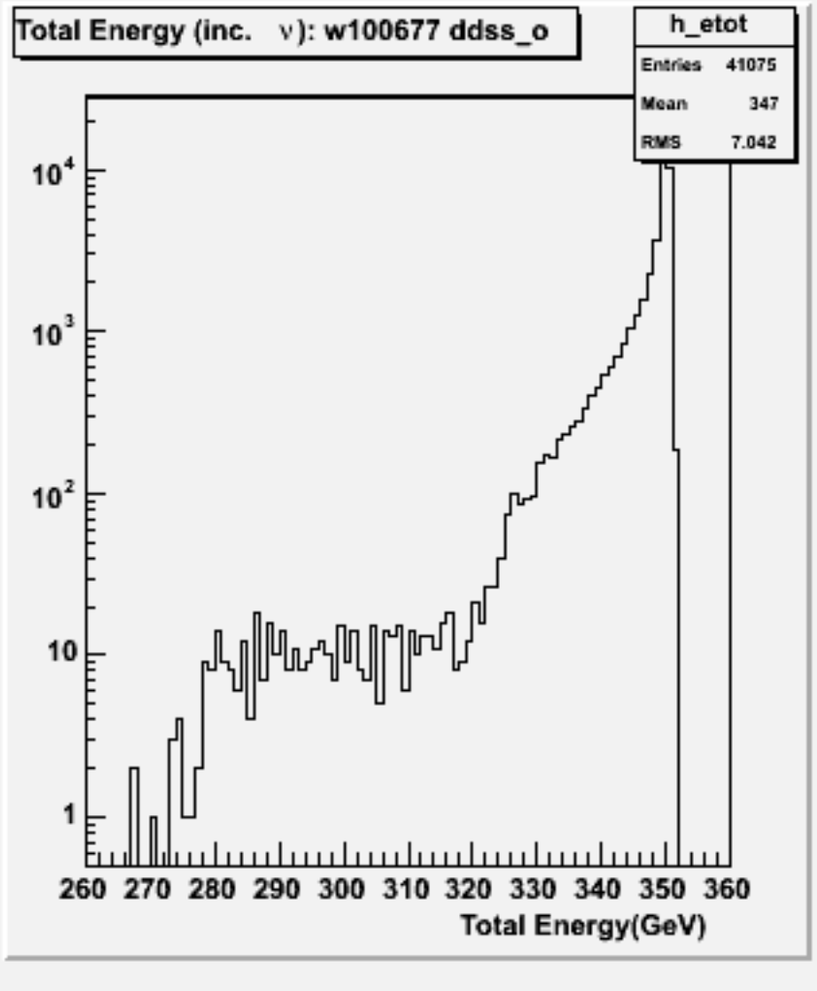

Particle Energy : w100677 ddss_o
h_e
Entries 3450862
Mean 4.13
RMS 7.965
Energy(GeV)

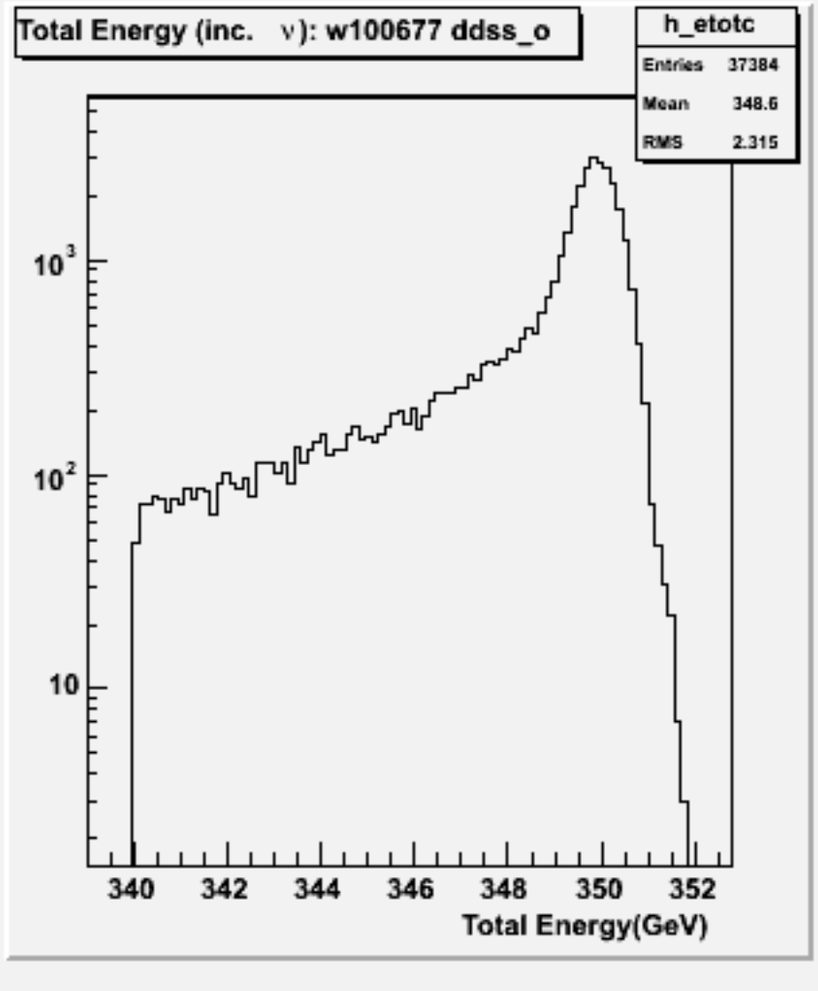

Particle Pt : w100677 ddss_o
h_pt
Entries 3450862
Mean 2.524
RMS 4.962
Pt(GeV)

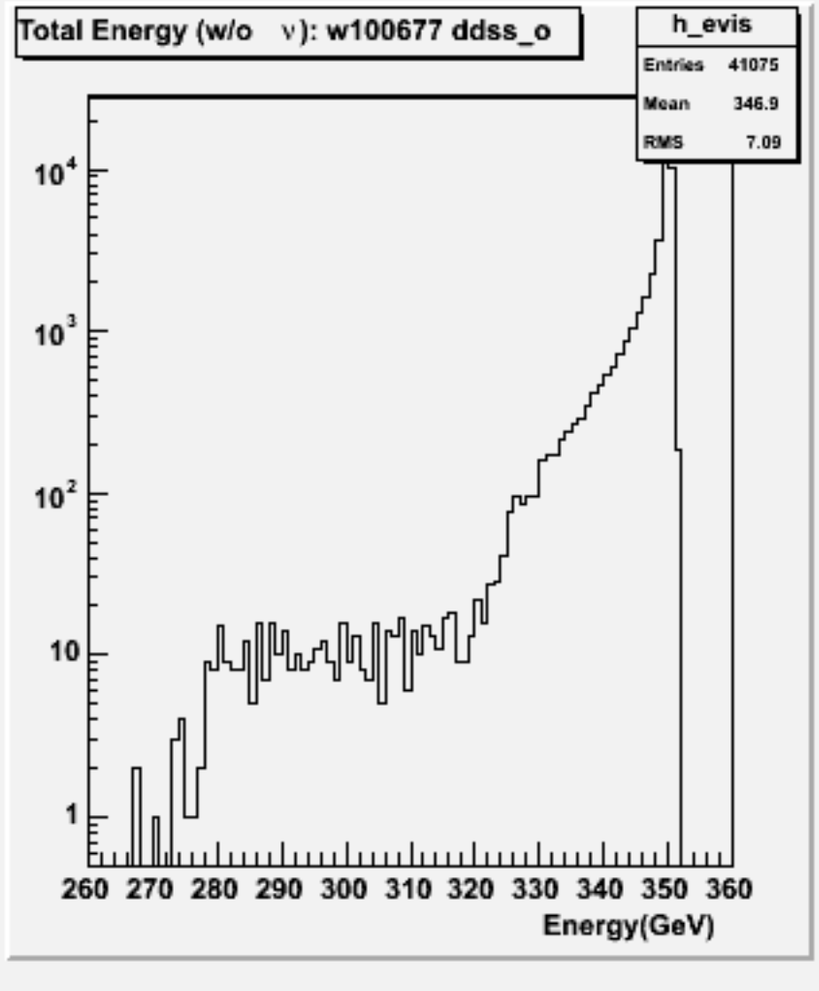
Particle cosθ : w100677 ddss_o
h_cs
Entries 3450862
Mean 0.002583
RMS 0.6868
cos θ

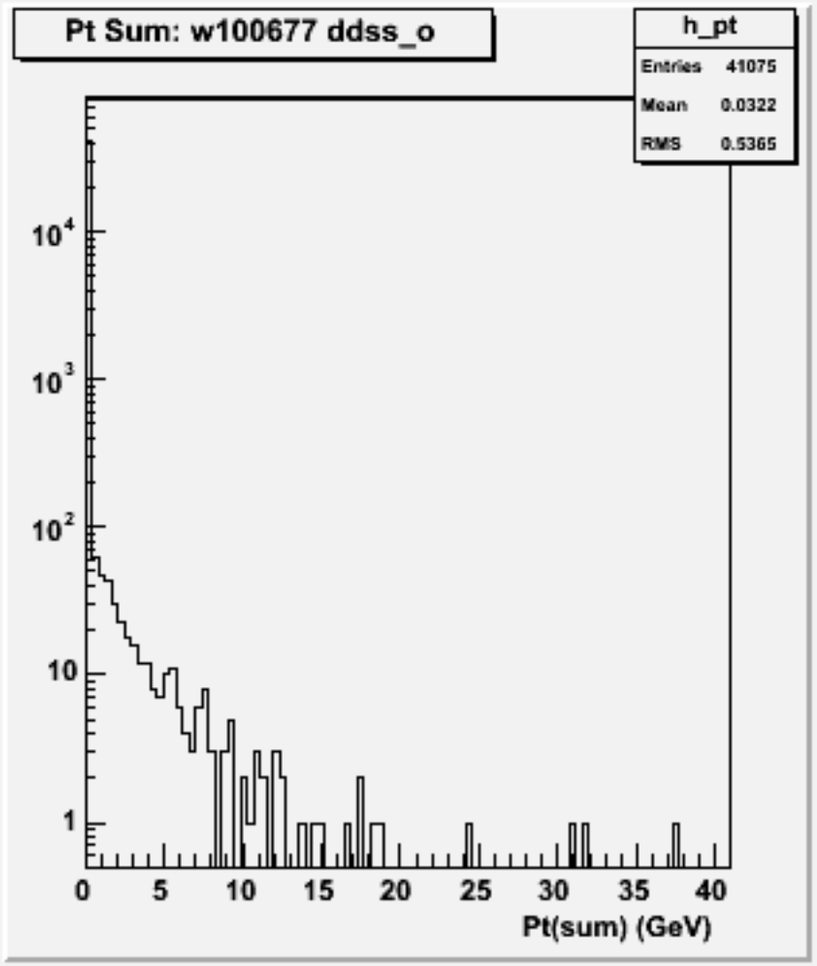
Start point R : w100677 ddss_o
h_vr
Entries 3450862
Mean 39.44
RMS 301.5
Start point Radius

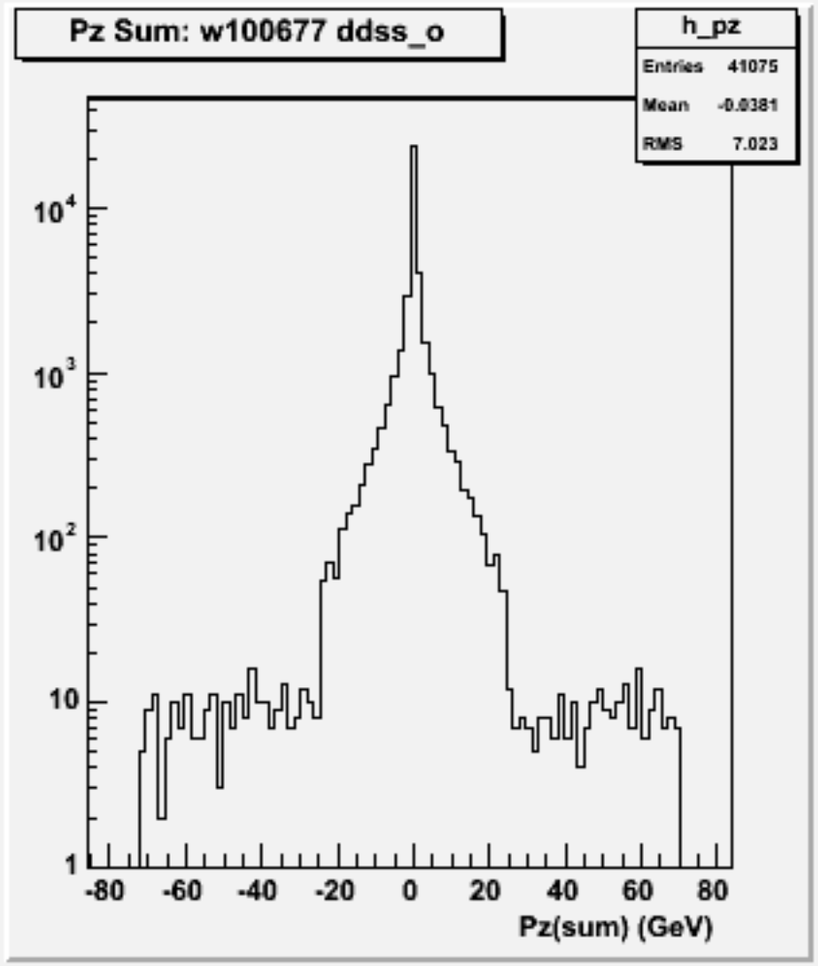
Start point Z : w100677 ddss_o
h_vz
Entries 3450862
Mean 0.08291
RMS 355
Start point

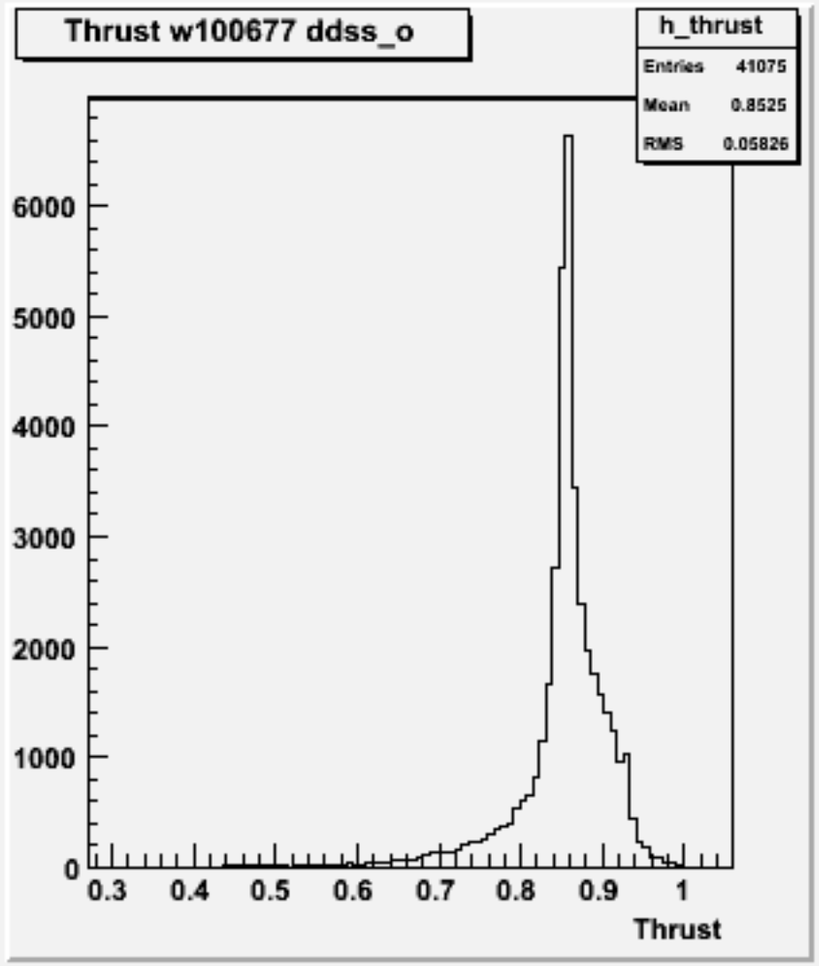

Total Energy (inc. ν): w100677 ddss_o
h_etot
Entries 41075
Mean 347
RMS 7.042
Total Energy(GeV)

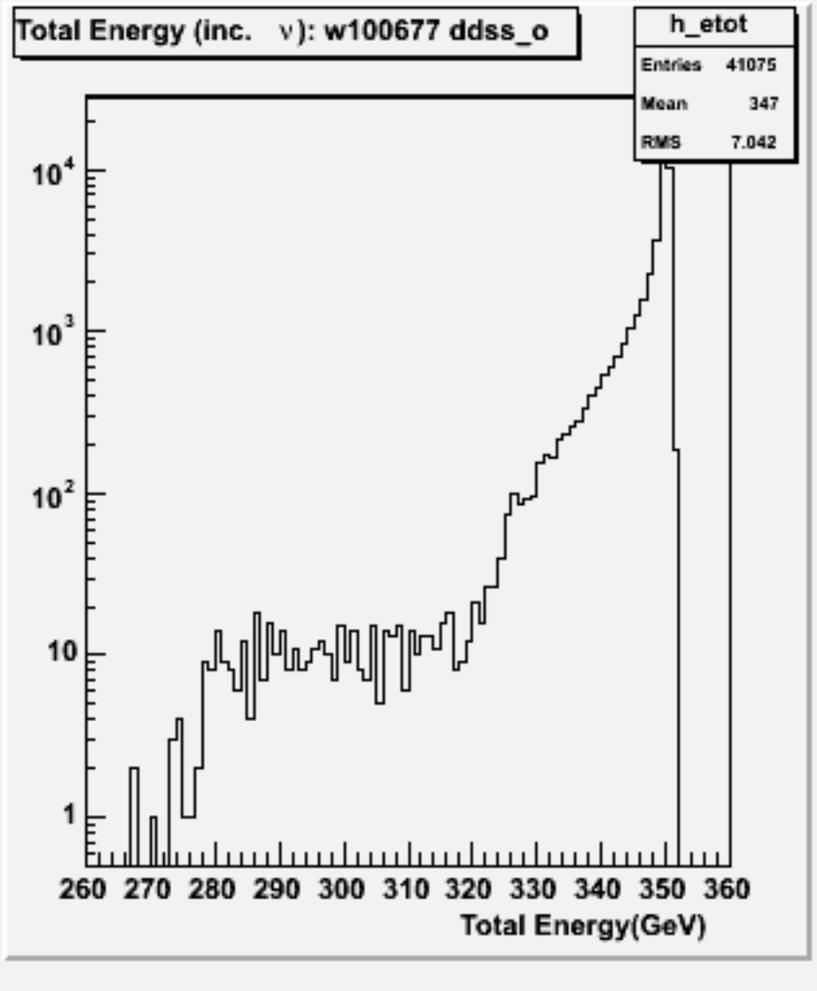

Total Energy (inc. ν): w100677 ddss_o
h_etotc
Entries 37384
Mean 348.6
RMS 2.315
Total Energy(GeV)

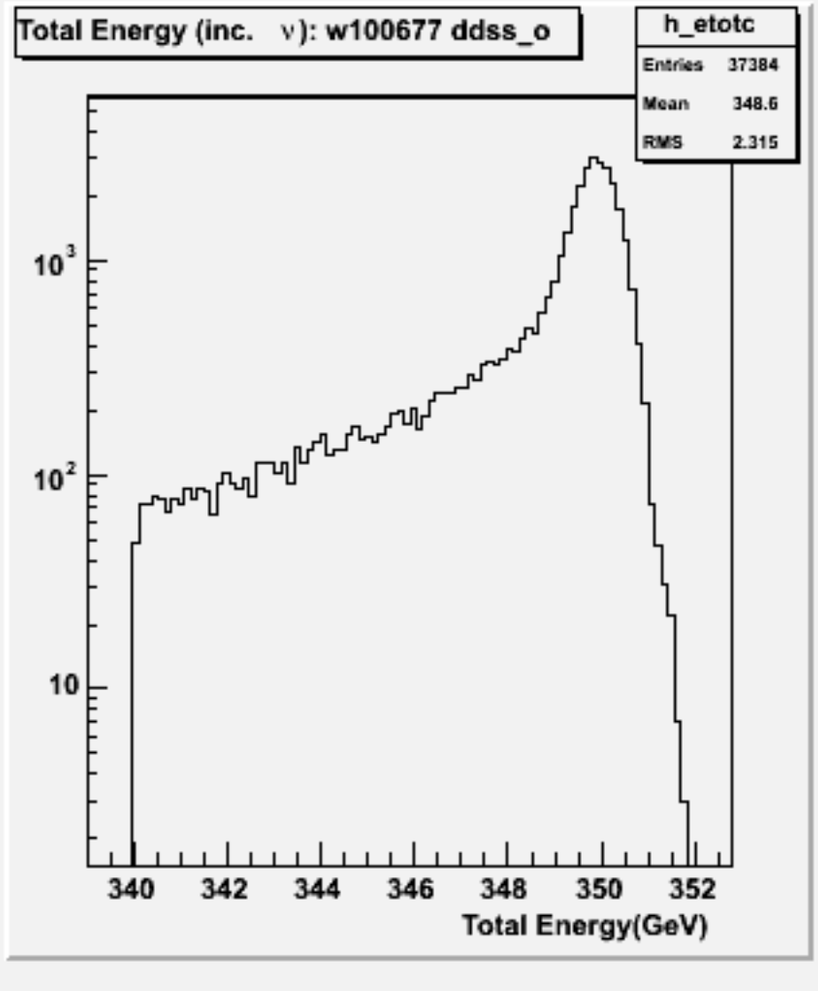

Total Energy (w/o ν): w100677 ddss_o
h_evis
Entries 41075
Mean 346.9
RMS 7.09
Energy(GeV)

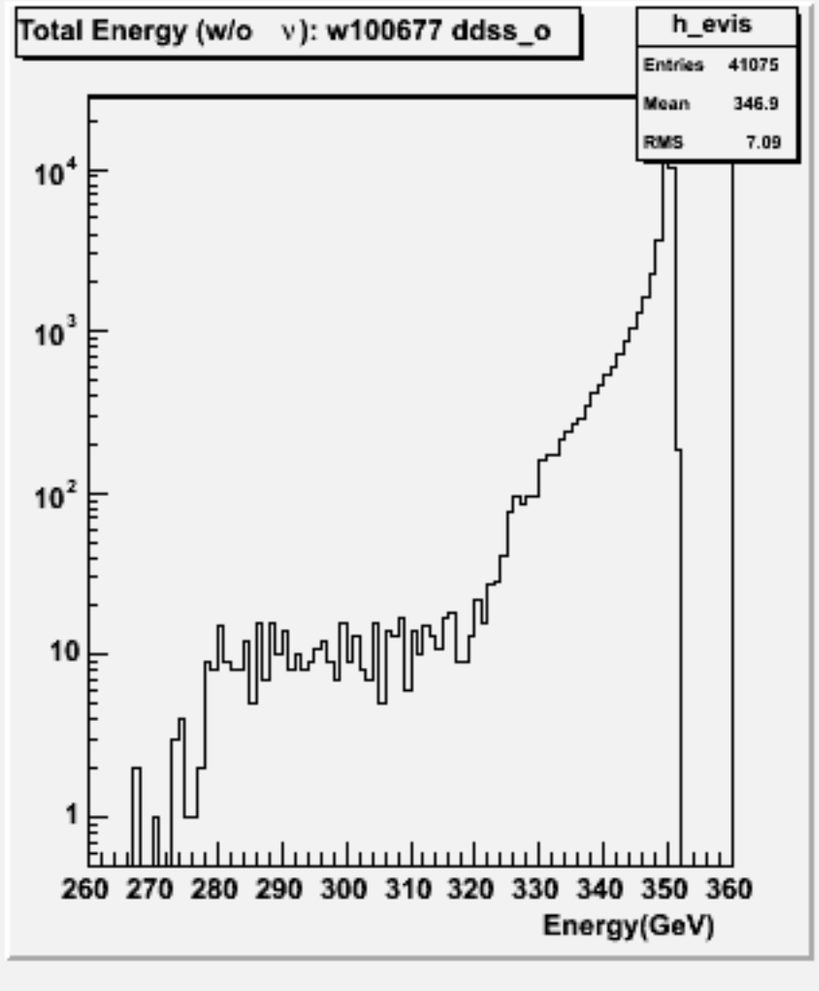

Pt Sum: w100677 ddss_o
h_pt
Entries 41075
Mean 0.0322
RMS 0.5365
Pt(sum) (GeV)

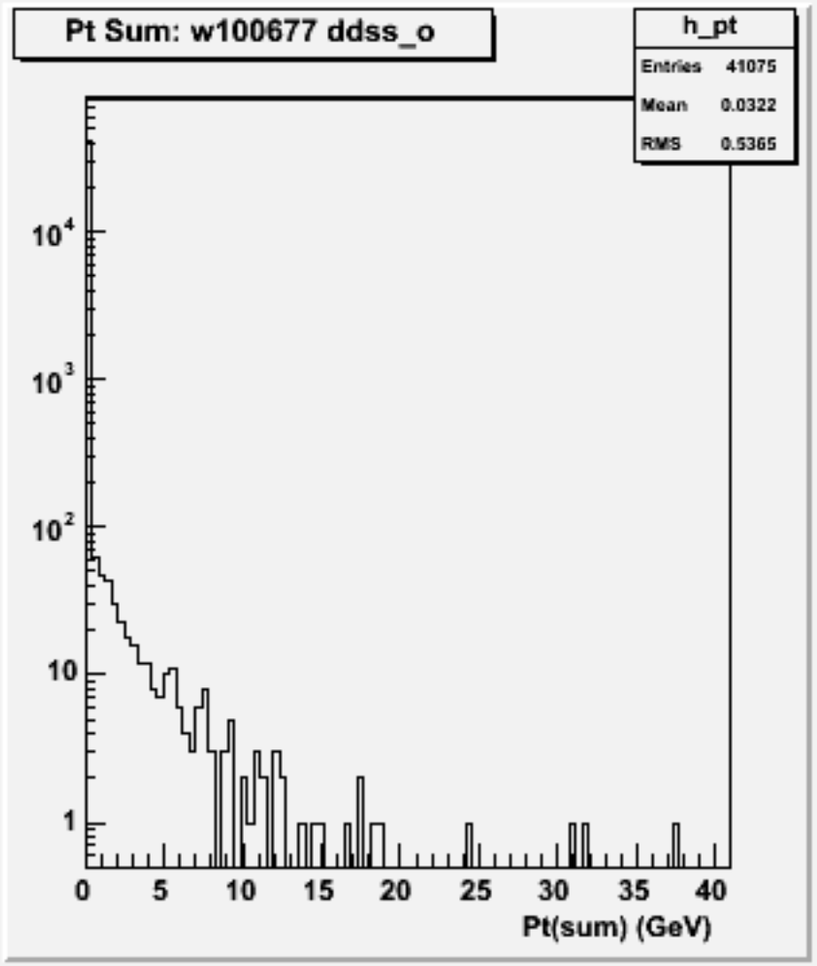

Pz Sum: w100677 ddss_o
h_pz
Entries 41075
Mean -0.0381
RMS 7.023
Pz(sum) (GeV)

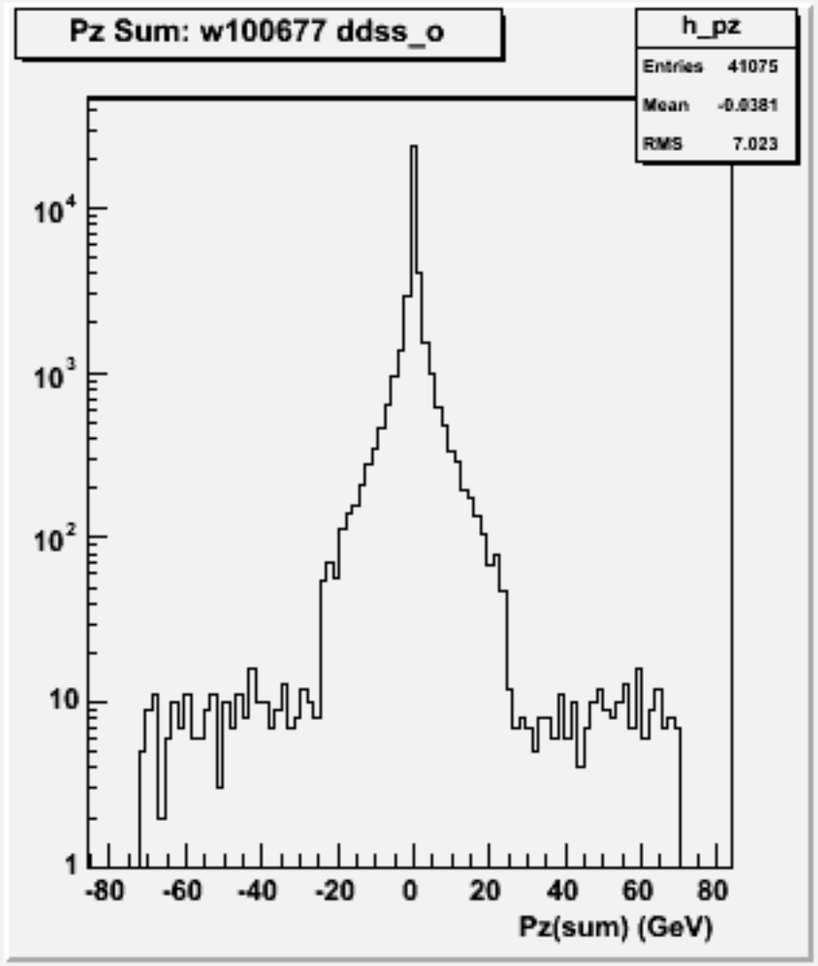

Thrust w100677 ddss_o
h_thrust
Entries 41075
Mean 0.8525
RMS 0.05826
Thrust

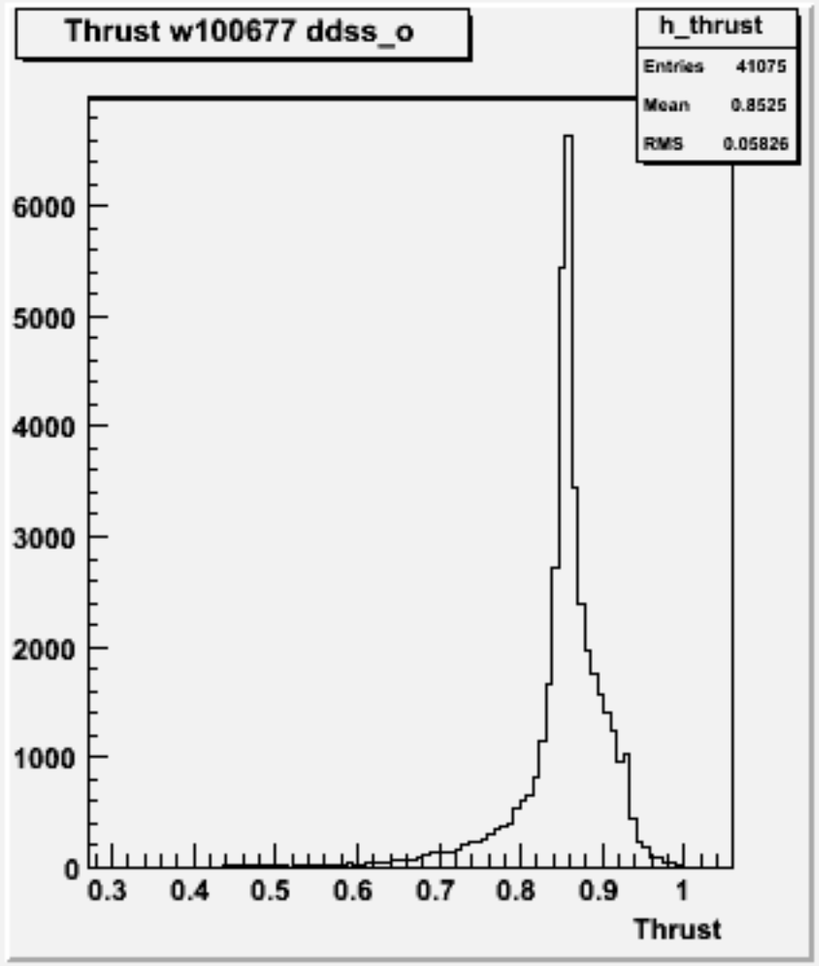

Total Energy (inc. ν): w100677 ddss_o
h_etot
Entries 41075
Mean 347
RMS 7.042
Total Energy(GeV)

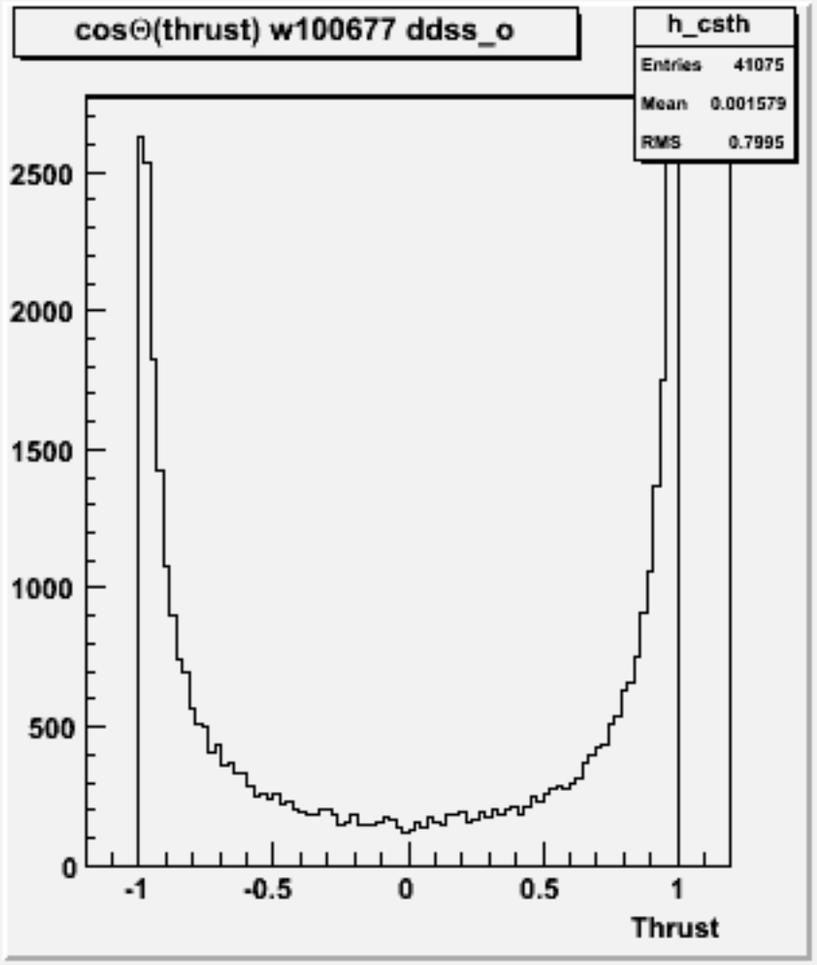

Total Energy (inc. ν): w100677 ddss_o
h_etotc
Entries 37384
Mean 348.6
RMS 2.315
Total Energy(GeV)

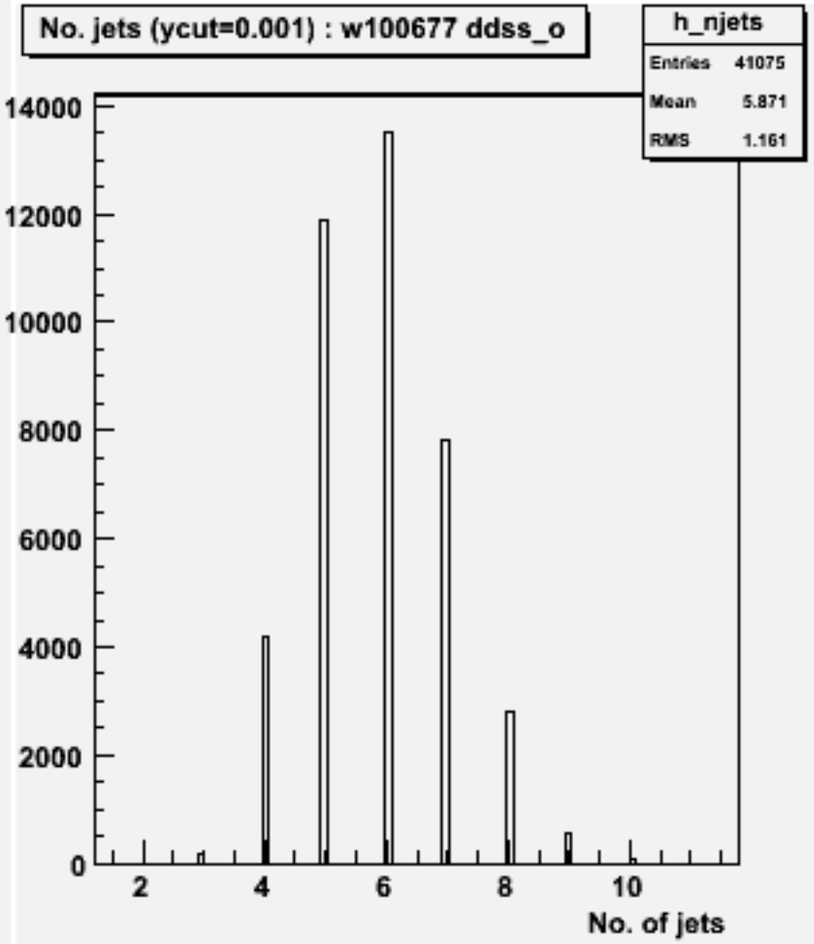

Total Energy (w/o ν): w100677 ddss_o
h_evis
Entries 41075
Mean 346.9
RMS 7.09
Energy(GeV)

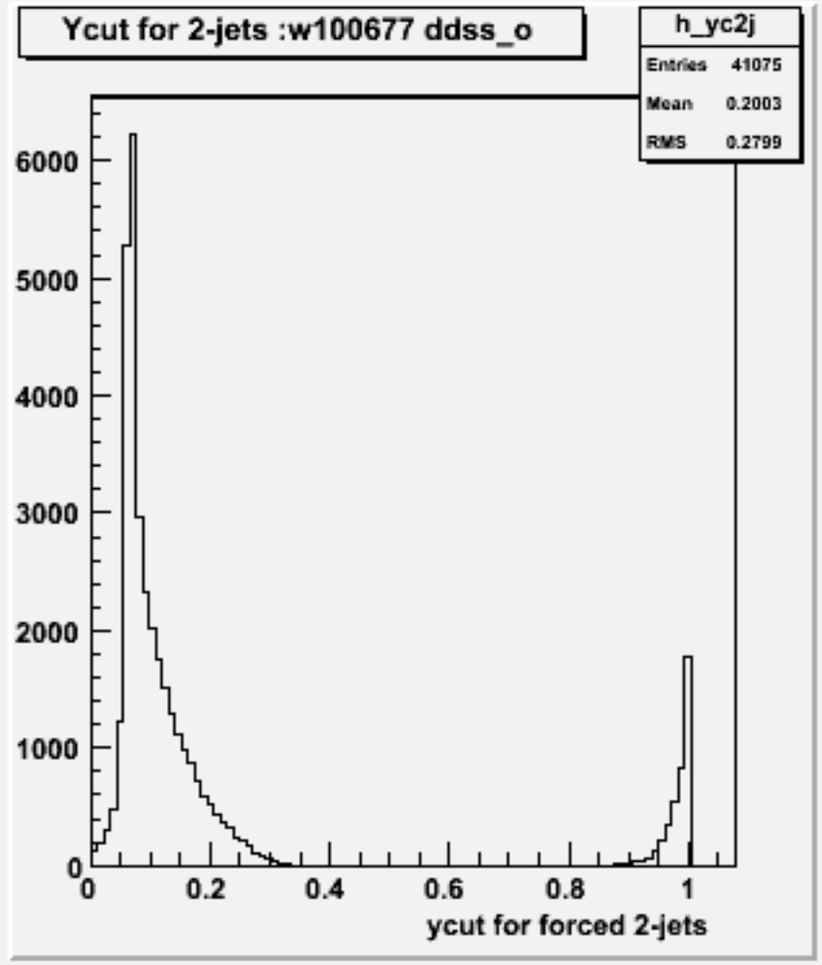

Pt Sum: w100677 ddss_o
h_pt
Entries 41075
Mean 0.0322
RMS 0.5365
Pt(sum) (GeV)

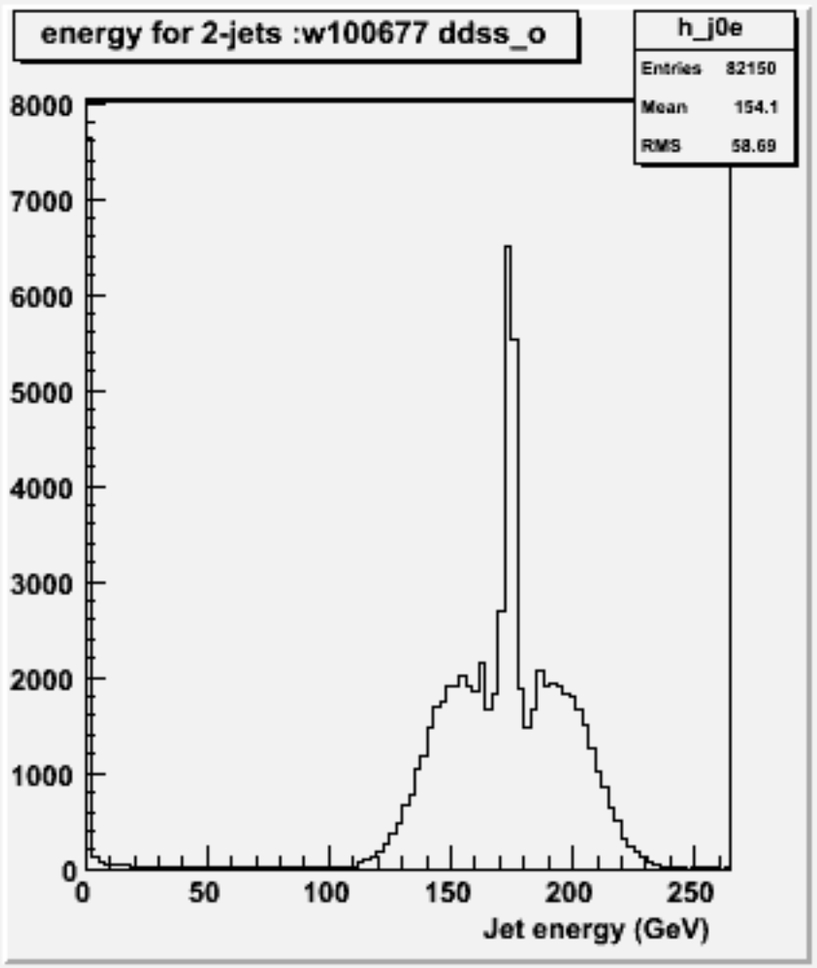

Pz Sum: w100677 ddss_o
h_pz
Entries 41075
Mean -0.0381
RMS 7.023
Pz(sum) (GeV)

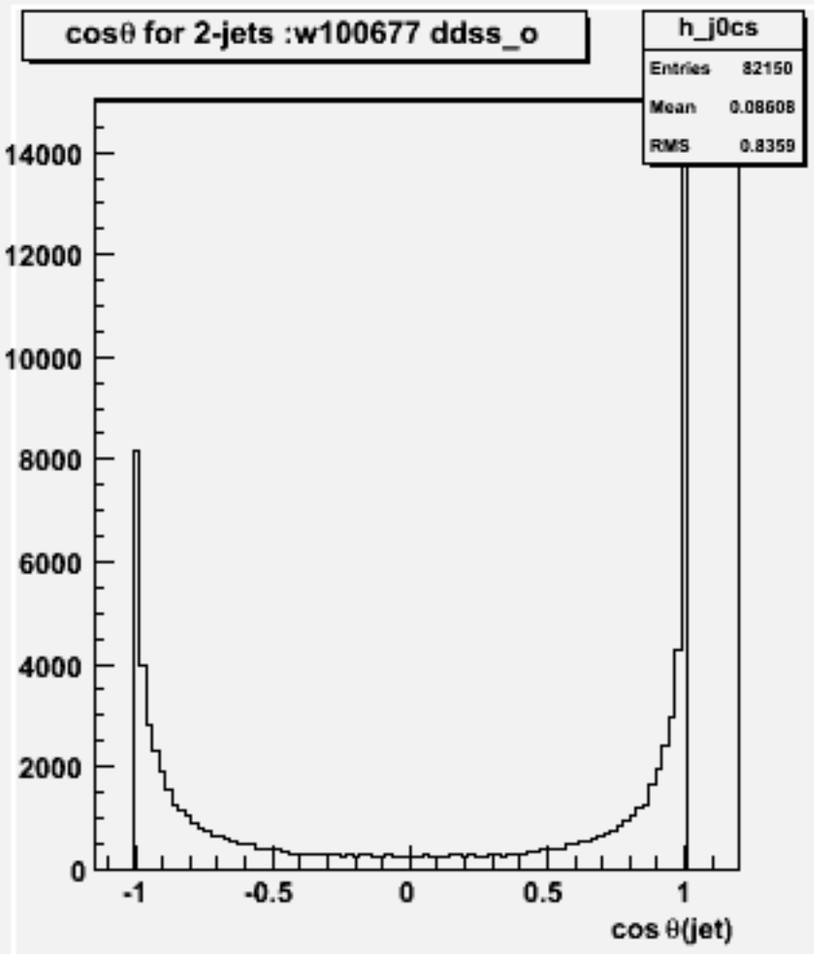

Thrust w100677 ddss_o
h_thrust
Entries 41075
Mean 0.8525
RMS 0.05826
Thrust

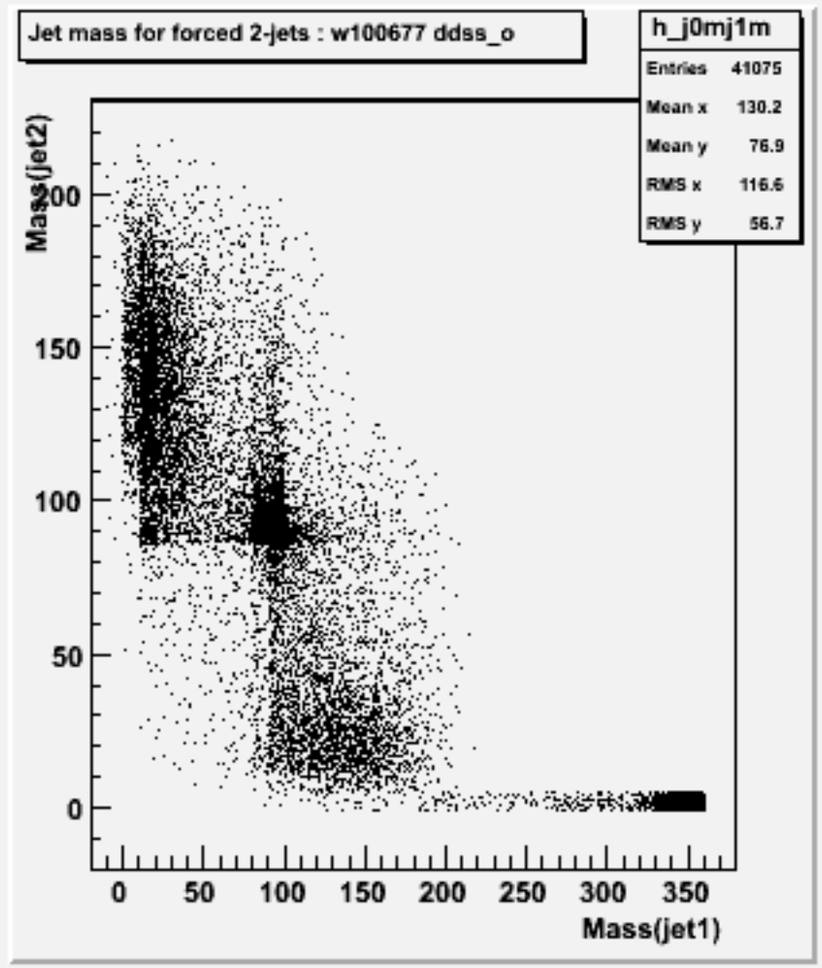

cosΘ(thrust) w100677 ddss_o
h_csth
Entries 41075
Mean 0.001579
RMS 0.7995
Thrust

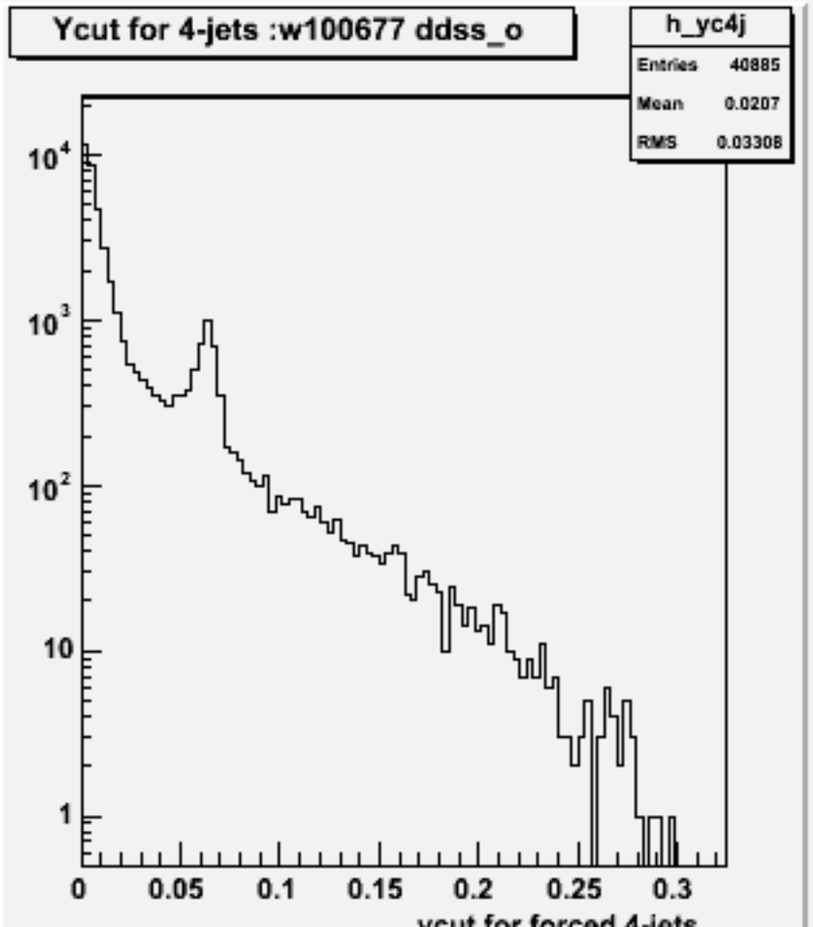

No. jets (ycut=0.001) : w100677 ddss_o
h_njets
Entries 41075
Mean 5.871
RMS 1.161
No. of jets

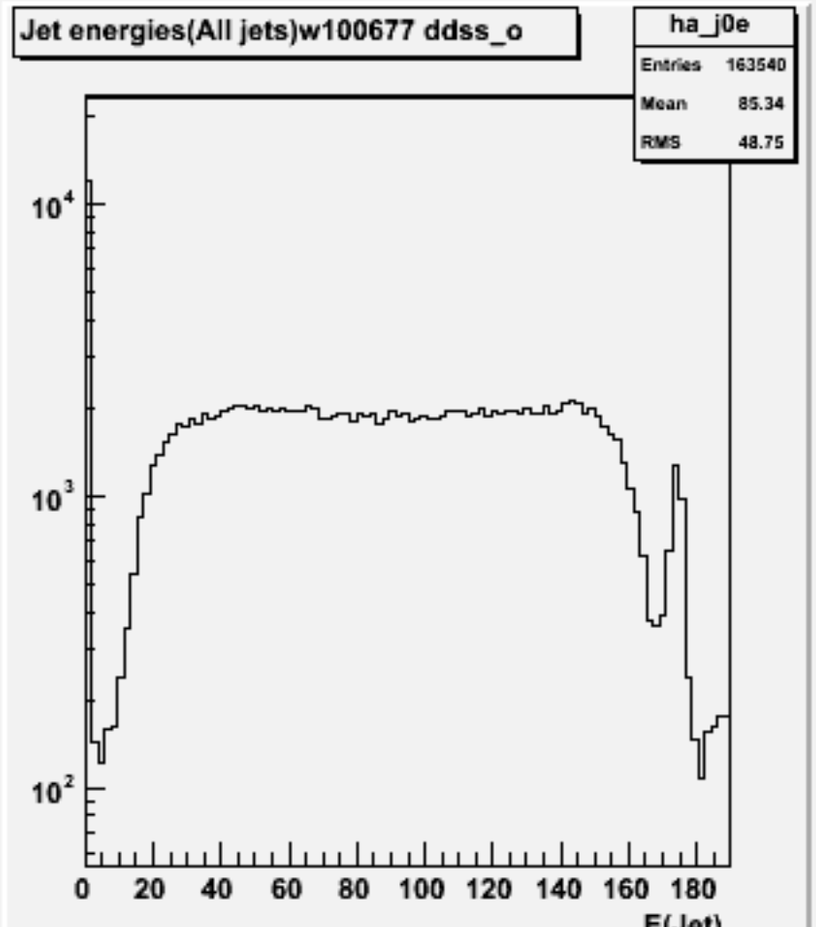

Ycut for 2-jets :w100677 ddss_o
h_yc2j
Entries 41075
Mean 0.2003
RMS 0.2799
ycut for forced 2-jets

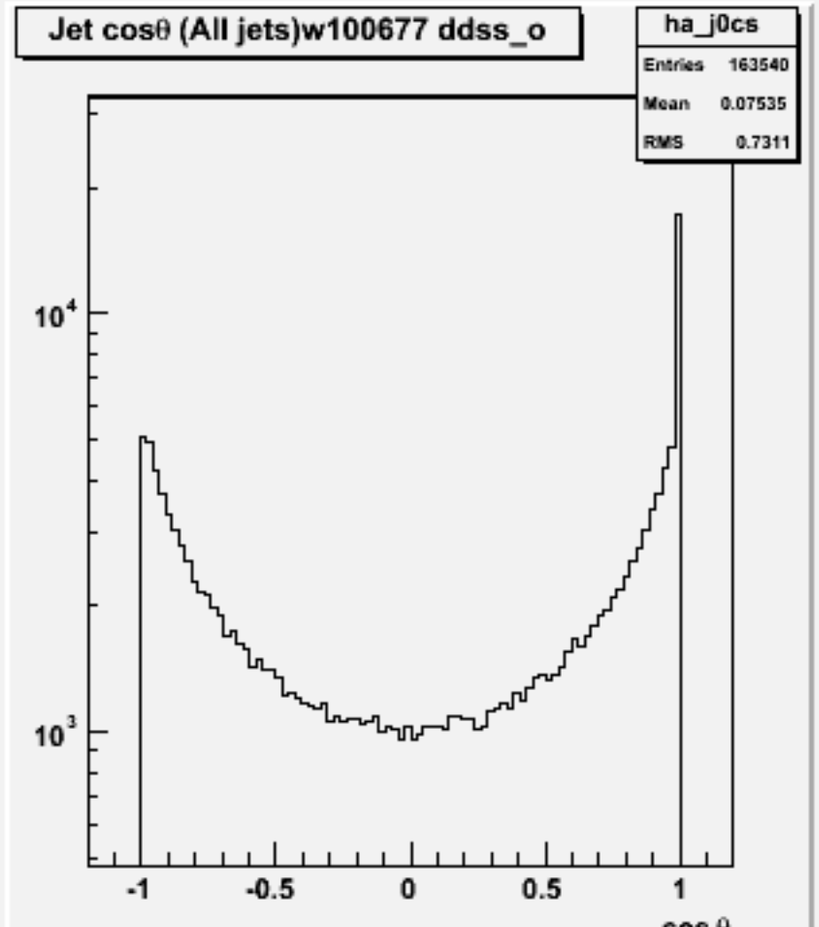

energy for 2-jets :w100677 ddss_o
h_j0e
Entries 82150
Mean 154.1
RMS 58.69
Jet energy (GeV)

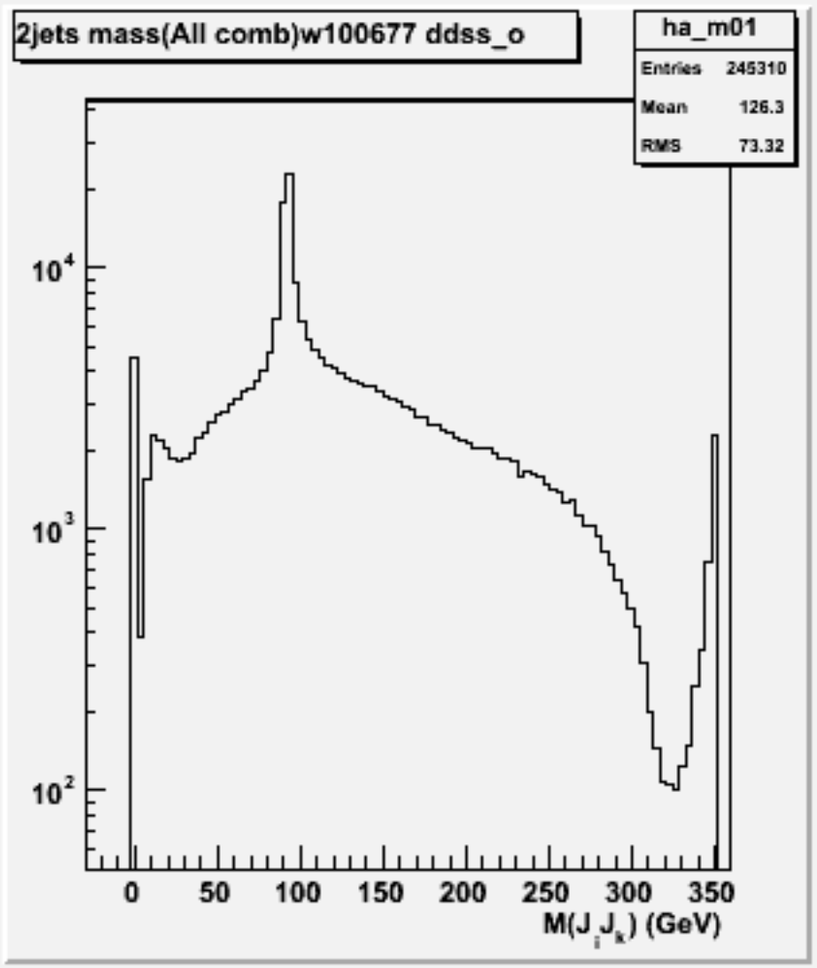

cosθ for 2-jets :w100677 ddss_o
h_j0cs
Entries 82150
Mean 0.08608
RMS 0.8359
cos θ(jet)

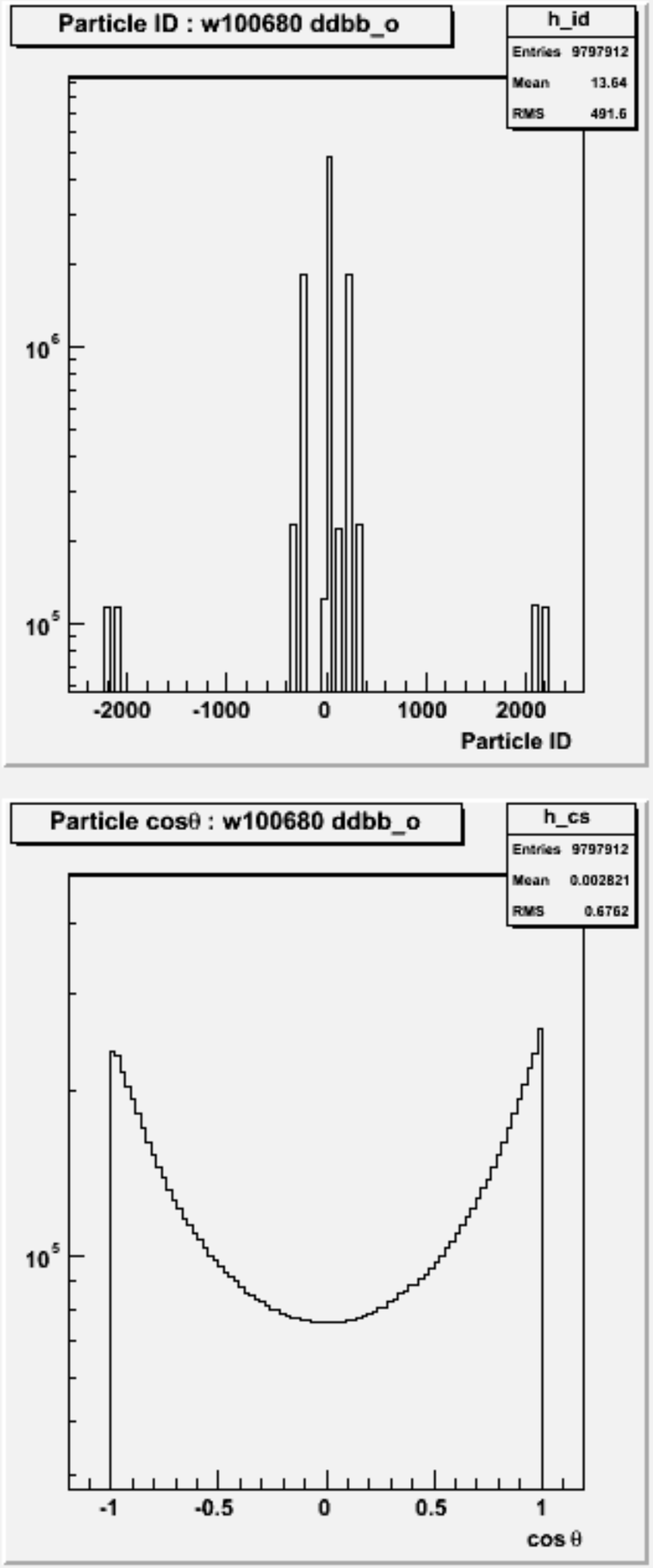

Jet mass for forced 2-jets : w100677 ddss_o
h_j0mj1m
Entries 41075
Mean x 130.2
Mean y 76.9
RMS x 116.6
RMS y 56.7
Mass(jet2)
Mass(jet1)

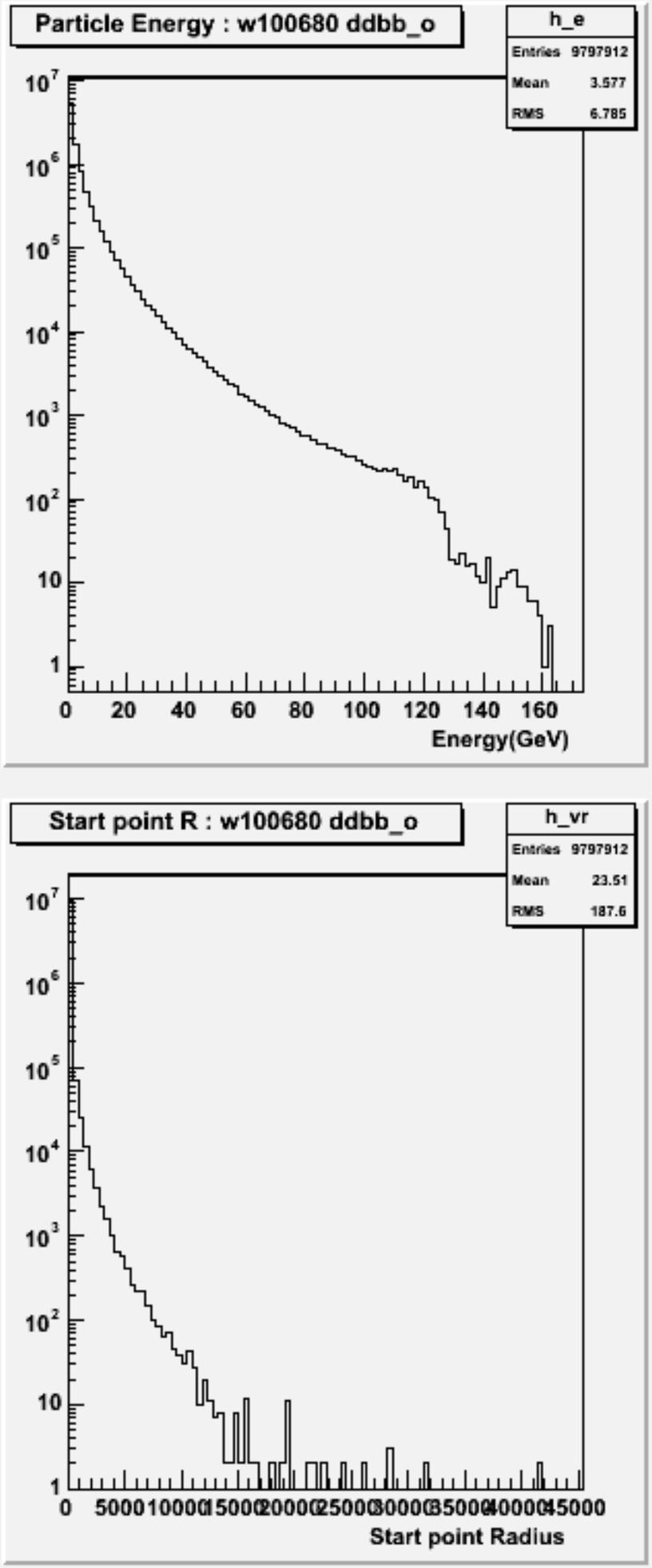

Ycut for 4-jets :w100677 ddss_o
h_yc4j
Entries 40885
Mean 0.0207
RMS 0.03308
ycut for forced 4-jets

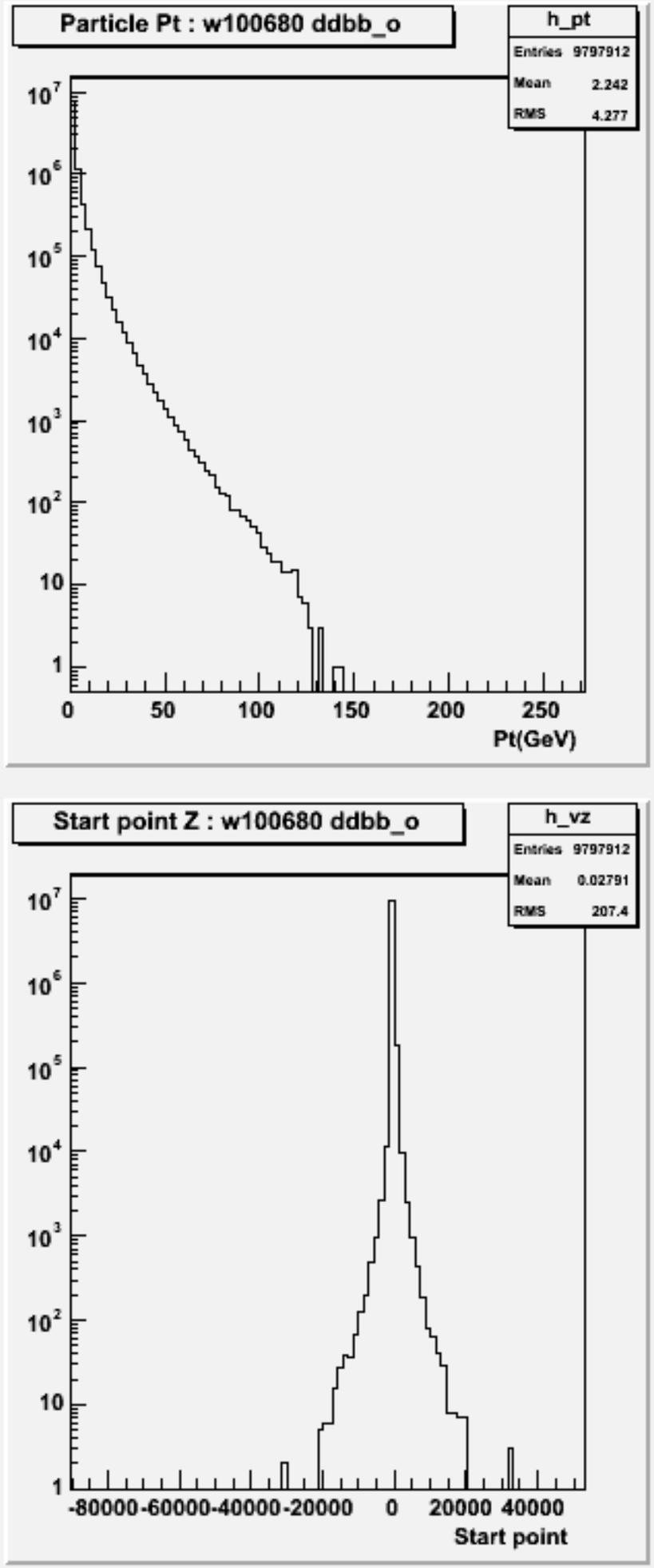

Jet energies(All jets)w100677 ddss_o
ha_j0e
Entries 163540
Mean 85.34
RMS 48.75
E(Jet)


Jet cosθ (All jets)w100677 ddss_o
ha_j0cs
Entries 163540
Mean 0.07535
RMS 0.7311
cos θ


2jets mass(All comb)w100677 ddss_o
ha_m01
Entries 245310
Mean 126.3
RMS 73.32
M(J_iJ_k) (GeV)


Particle ID : w100680 ddbb_o
h_id
Entries 9797912
Mean 13.64
RMS 491.6
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

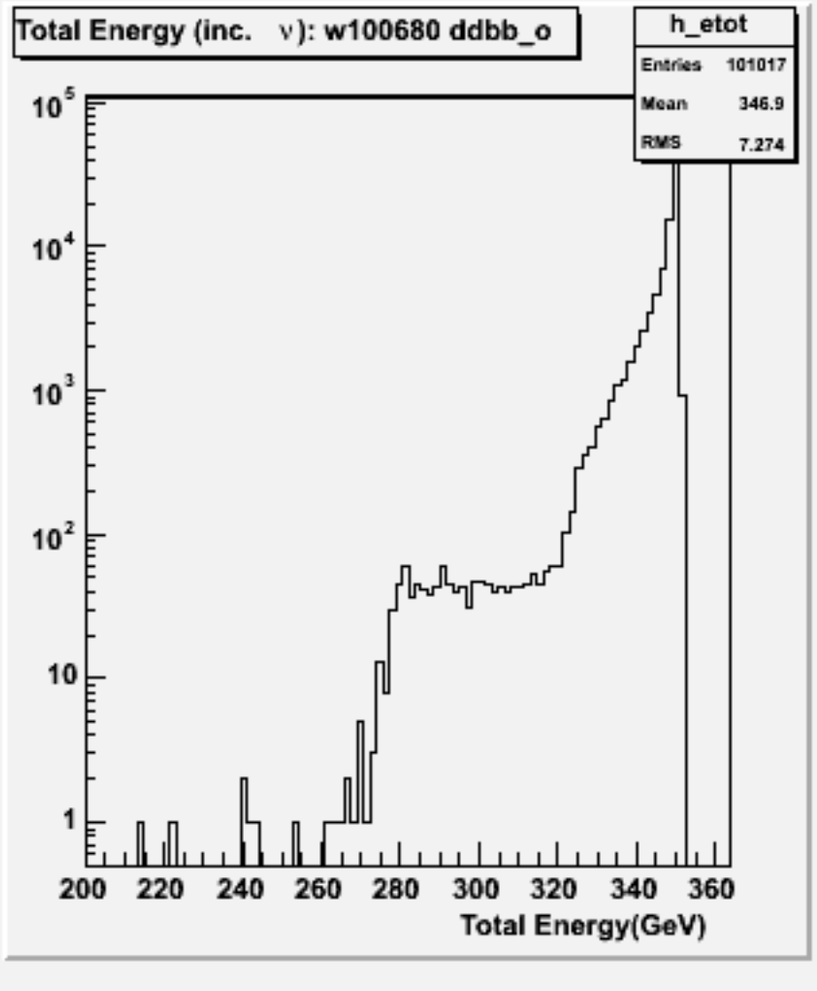

Particle Energy : w100680 ddbb_o
h_e
Entries 9797912
Mean 3.577
RMS 6.785
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

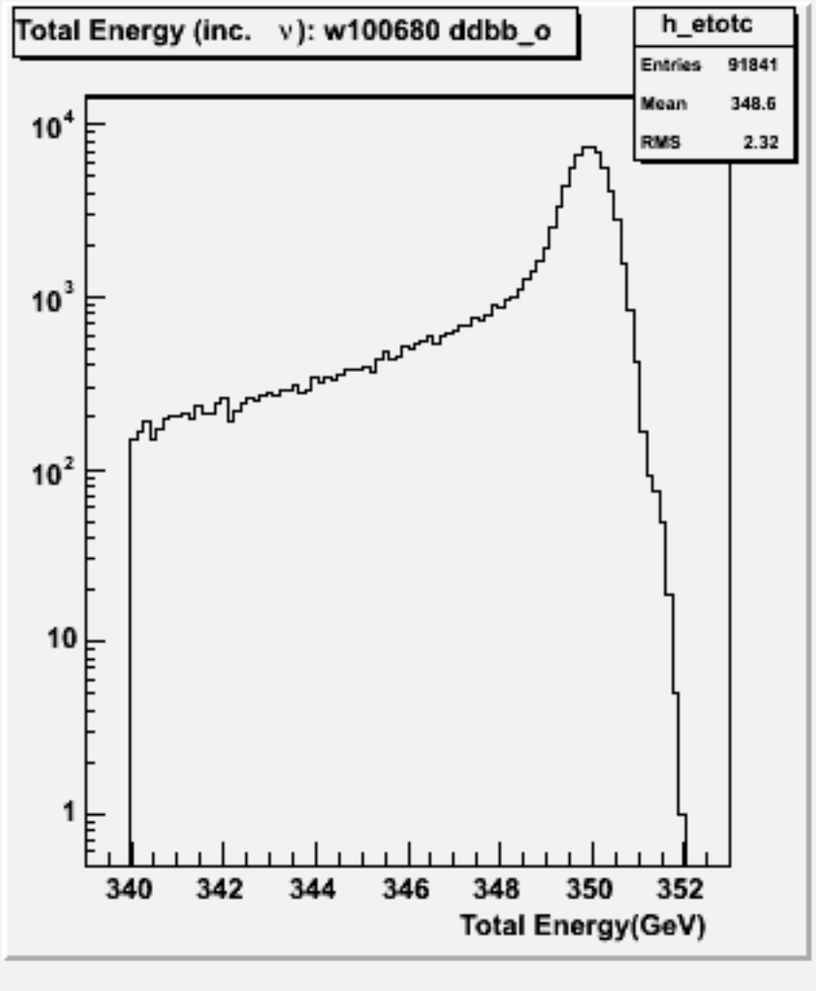

Particle Pt : w100680 ddbb_o
h_pt
Entries 9797912
Mean 2.242
RMS 4.277
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Pt(GeV)

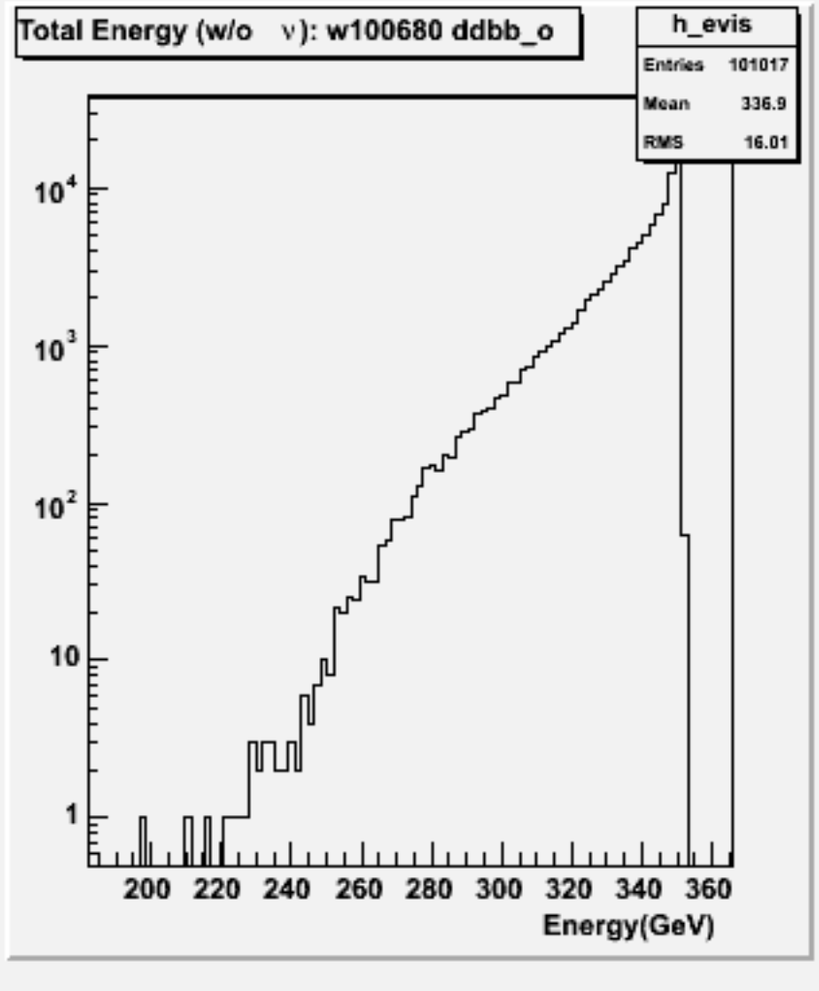
Particle cosθ : w100680 ddbb_o
h_cs
Entries 9797912
Mean 0.002821
RMS 0.6762
10^5
-1
-0.5
0
0.5
1
cos θ

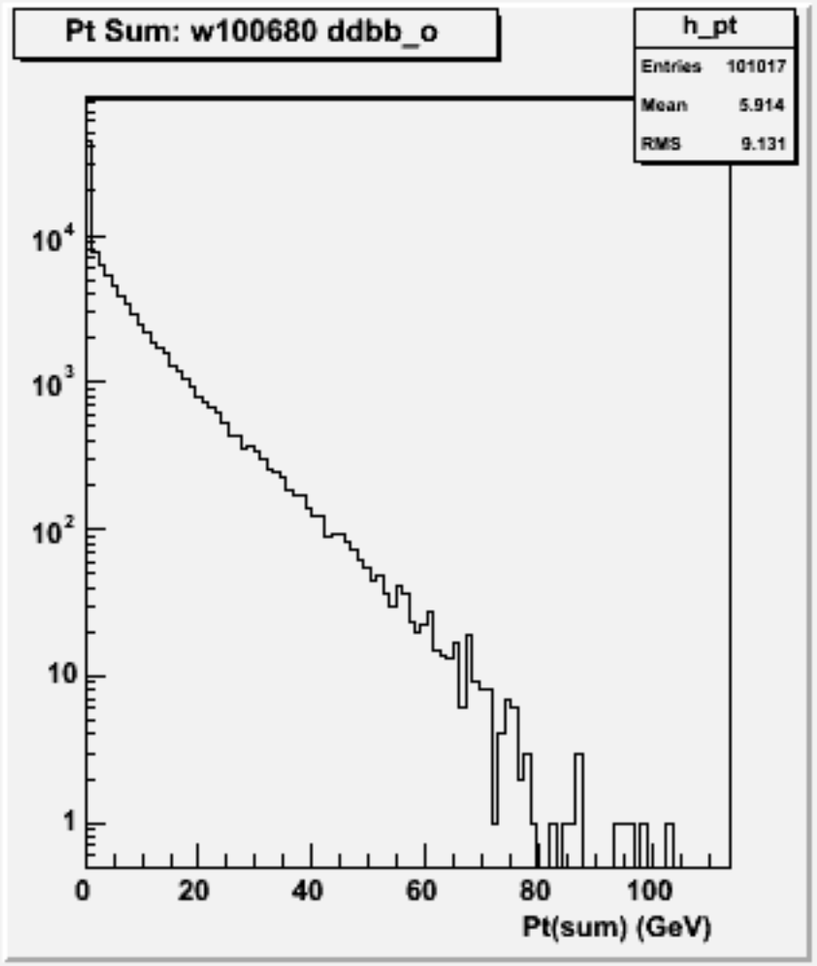
Start point R : w100680 ddbb_o
h_vr
Entries 9797912
Mean 23.51
RMS 187.6
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
Start point Radius

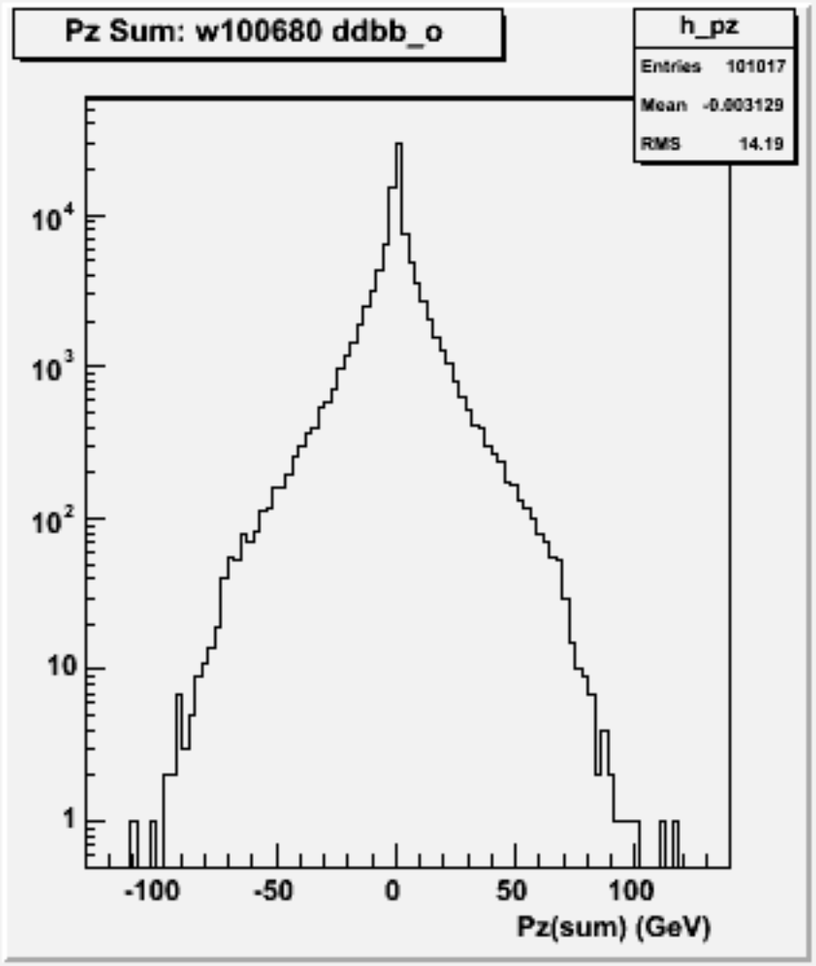
Start point Z : w100680 ddbb_o
h_vz
Entries 9797912
Mean 0.02791
RMS 207.4
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-80000
-60000
-40000
-20000
0
20000
40000
Start point

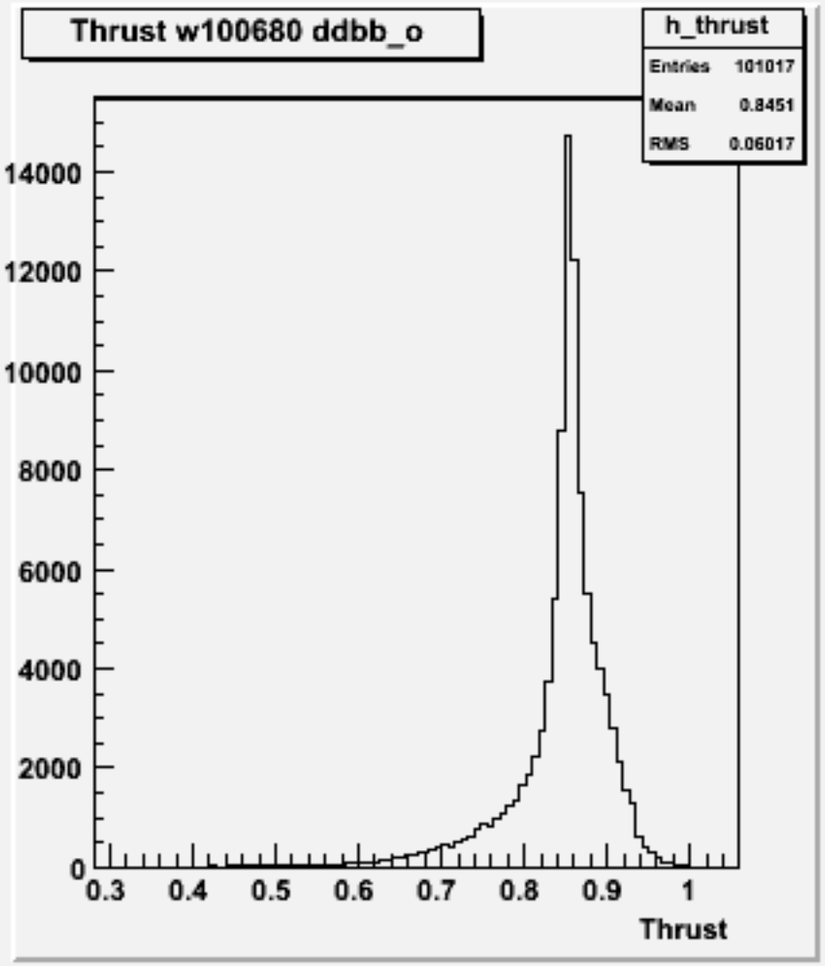

Total Energy (inc. ν): w100680 ddbb_o
h_etot
Entries 101017
Mean 346.9
RMS 7.274
Total Energy(GeV)

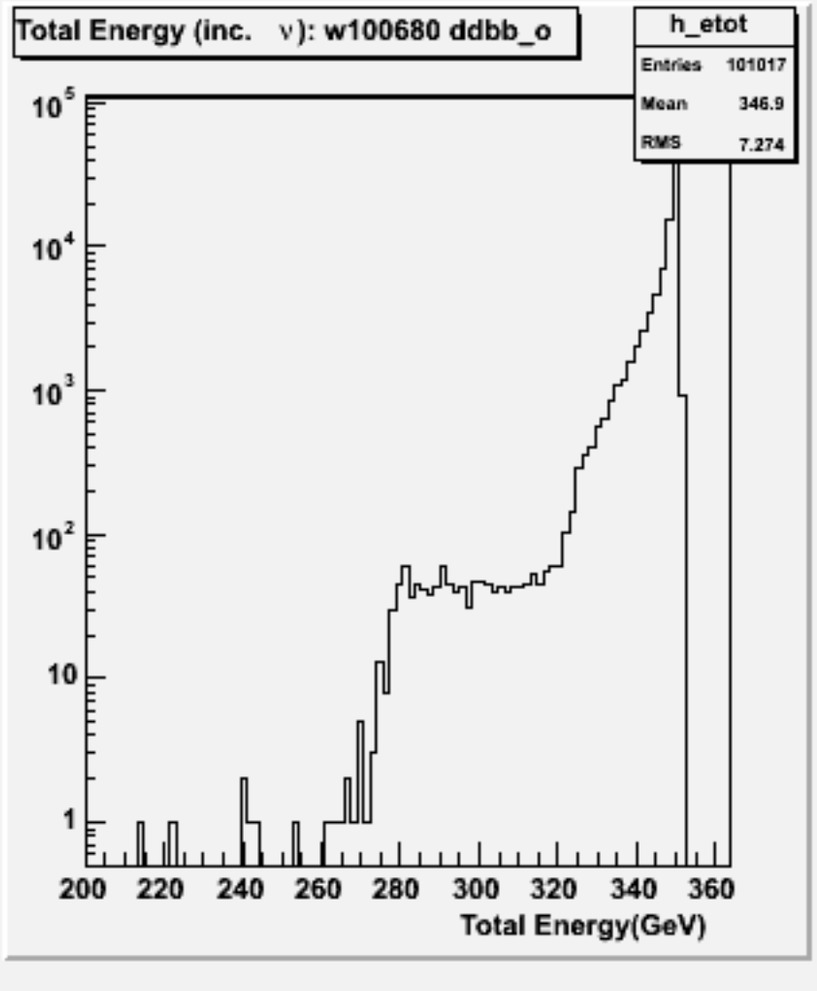

Total Energy (inc. ν): w100680 ddbb_o
h_etotc
Entries 91841
Mean 348.6
RMS 2.32
Total Energy(GeV)

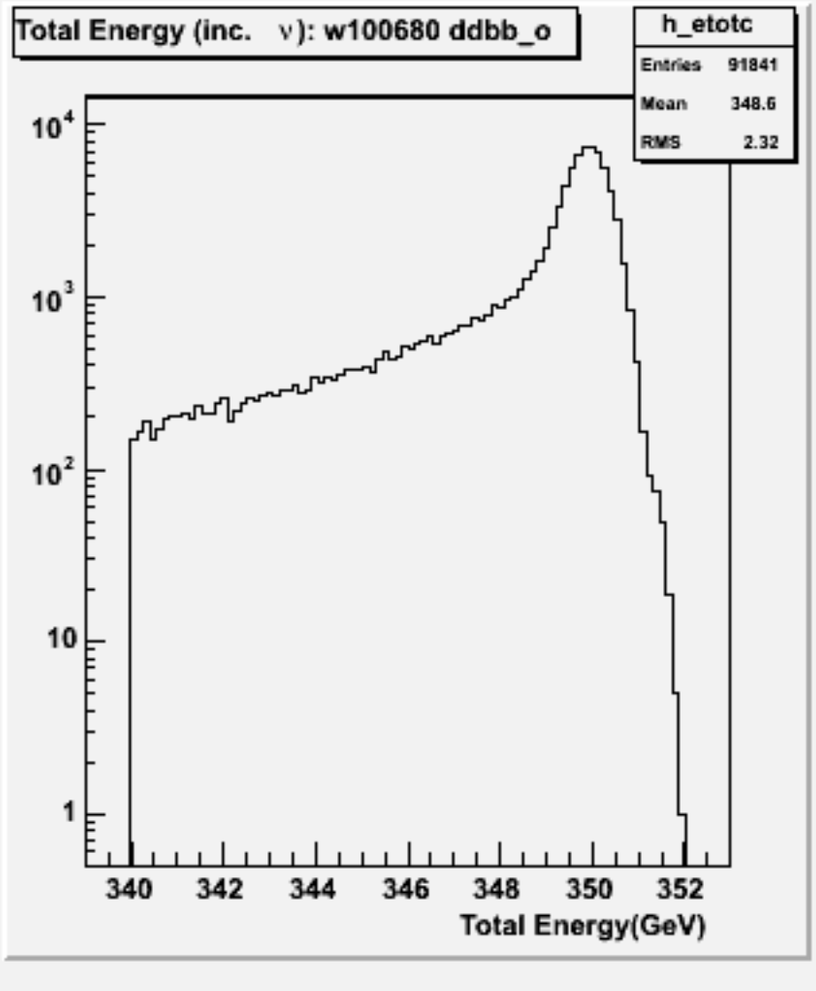

Total Energy (w/o ν): w100680 ddbb_o
h_evis
Entries 101017
Mean 336.9
RMS 16.01
Energy(GeV)

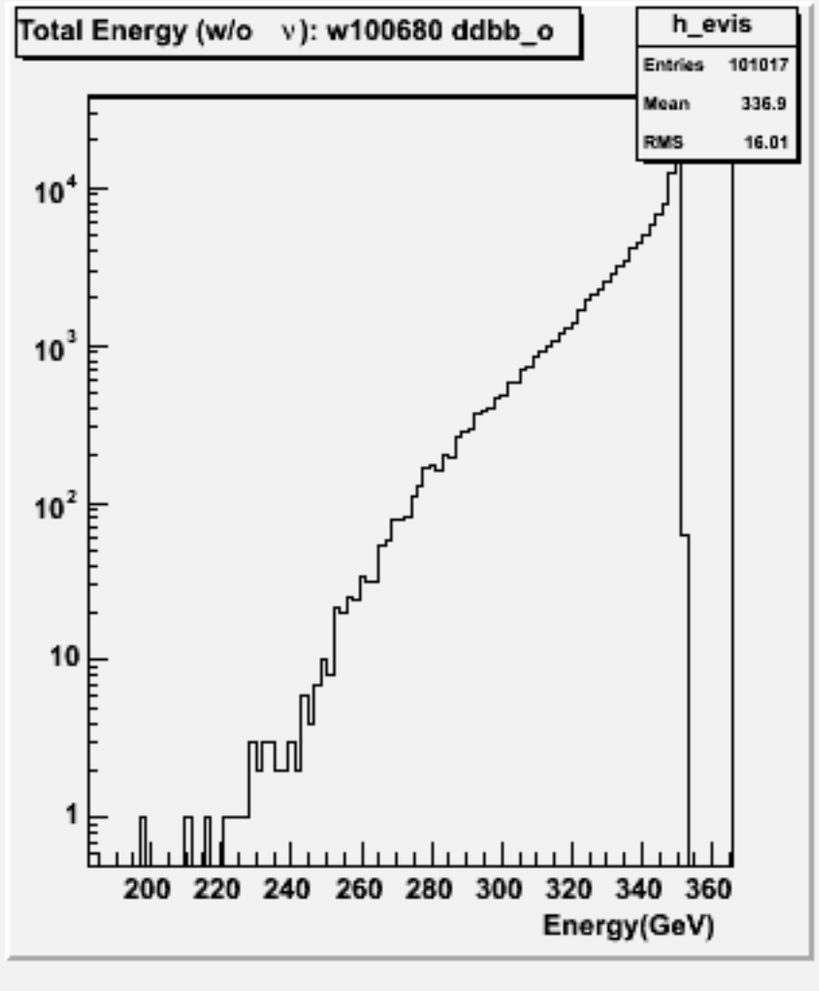

Pt Sum: w100680 ddbb_o
h_pt
Entries 101017
Mean 5.914
RMS 9.131
Pt(sum) (GeV)

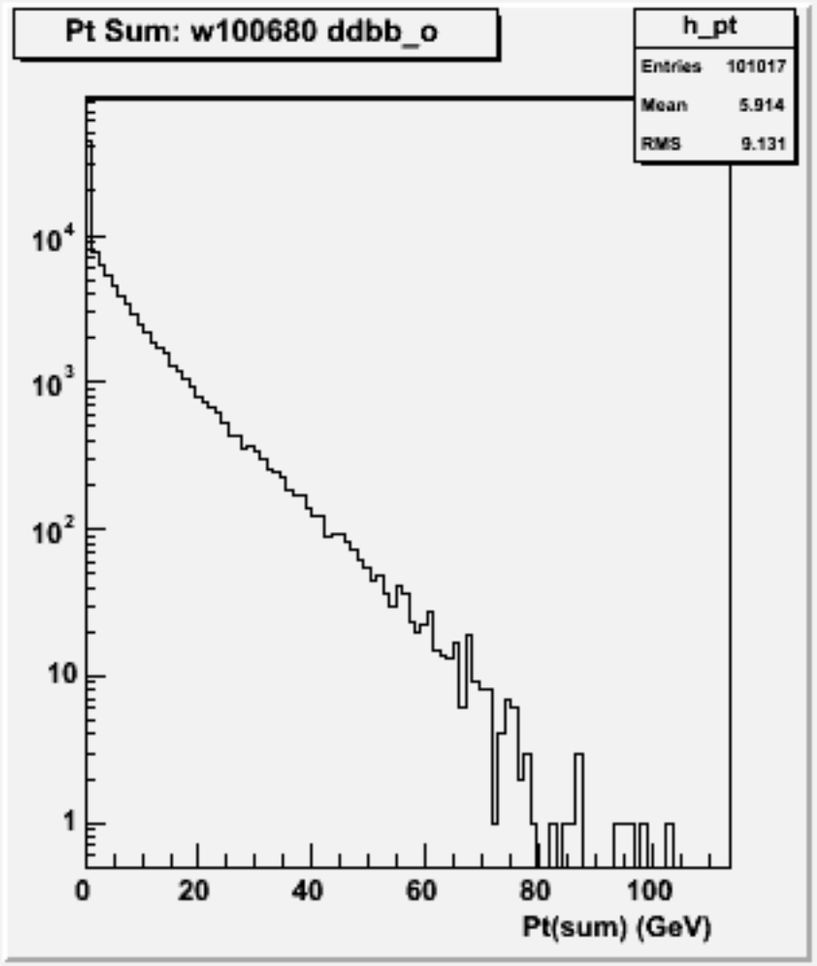

Pz Sum: w100680 ddbb_o
h_pz
Entries 101017
Mean -0.003129
RMS 14.19
Pz(sum) (GeV)

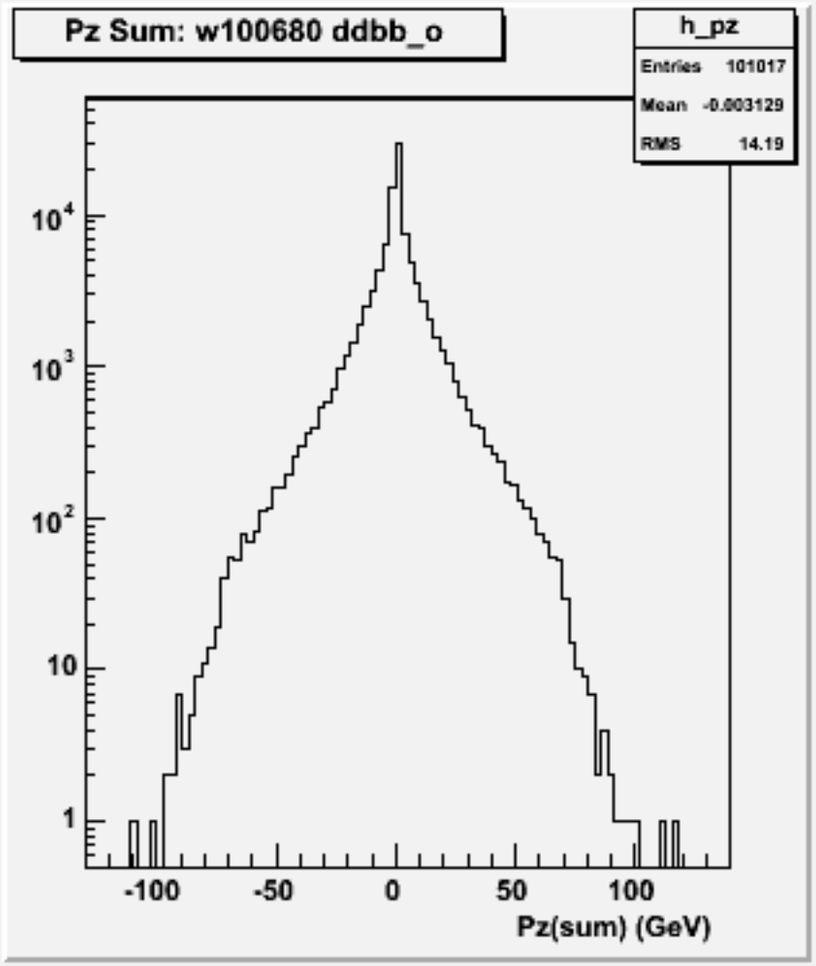

Thrust w100680 ddbb_o
h_thrust
Entries 101017
Mean 0.8451
RMS 0.06017
Thrust

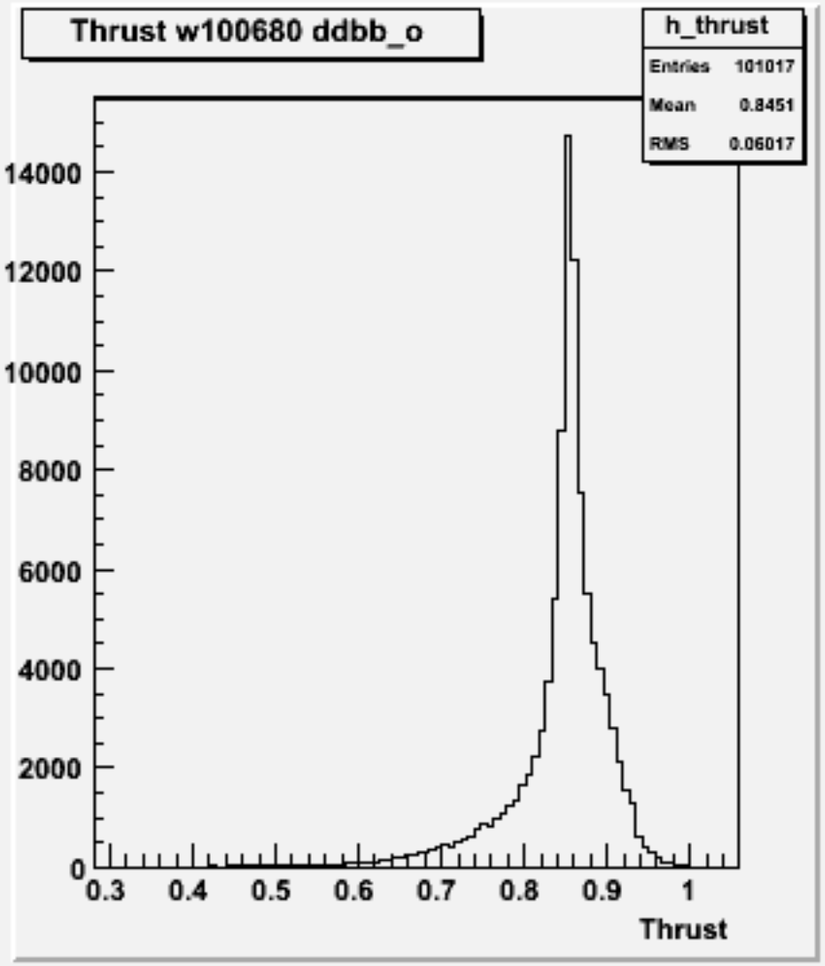

Total Energy (inc. ν): w100680 ddbb_o
h_etot
Entries 101017
Mean 346.9
RMS 7.274
Total Energy(GeV)

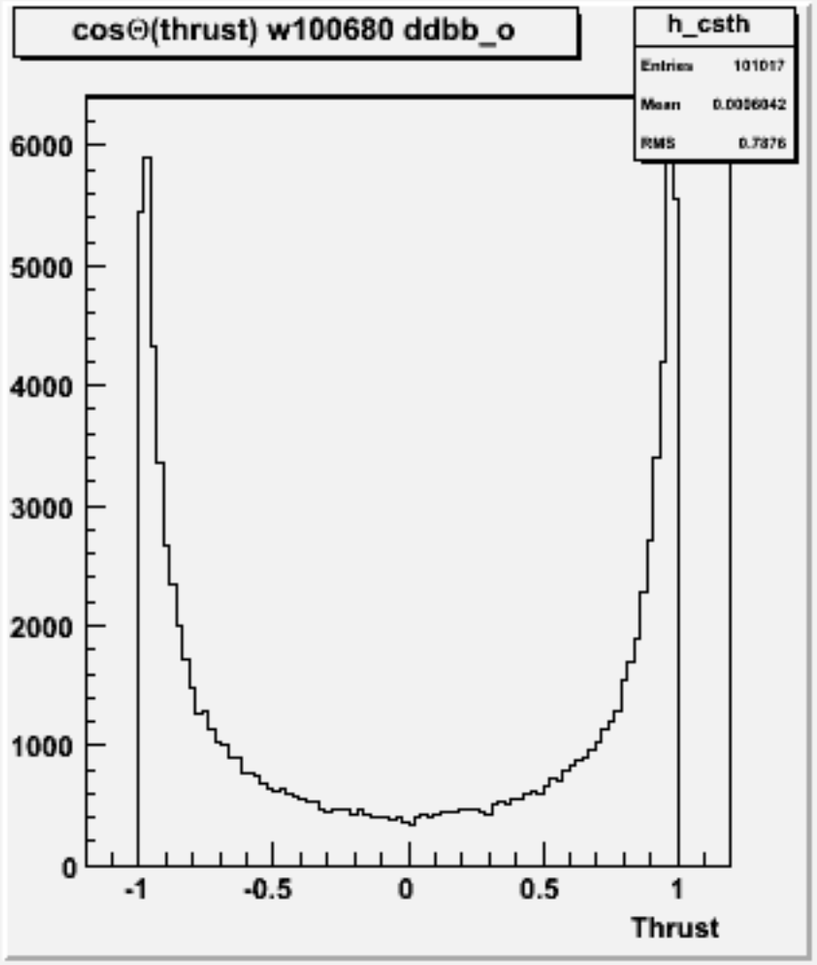

Total Energy (inc. ν): w100680 ddbb_o
h_etotc
Entries 91841
Mean 348.6
RMS 2.32
Total Energy(GeV)

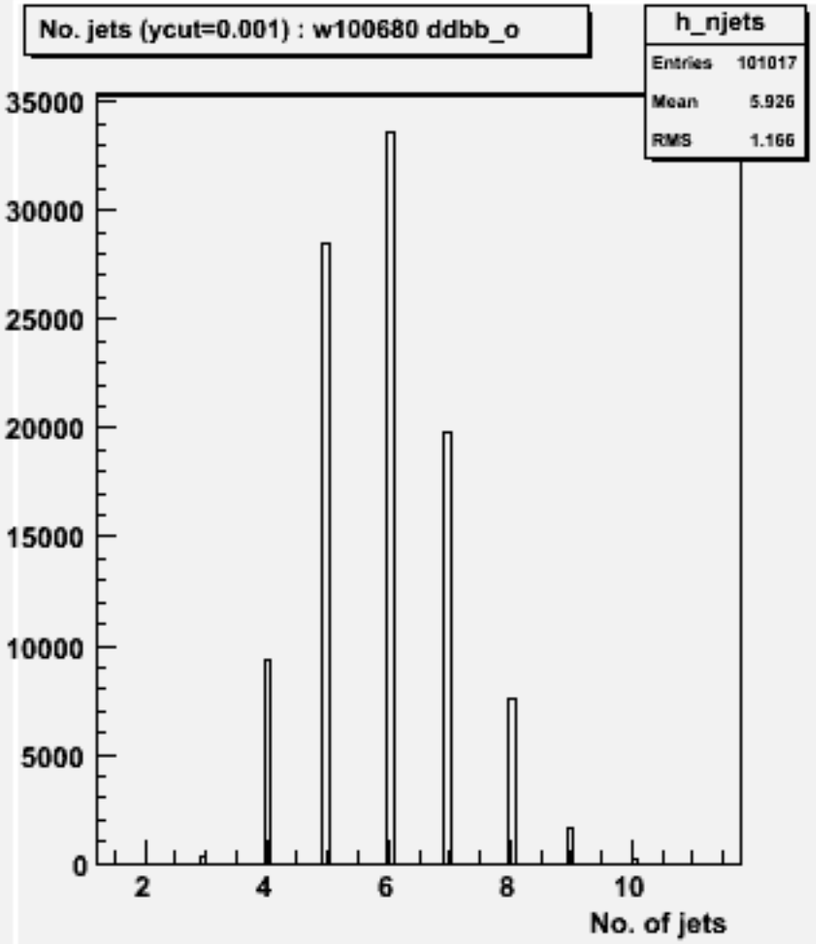

Total Energy (w/o ν): w100680 ddbb_o
h_evis
Entries 101017
Mean 336.9
RMS 16.01
Energy(GeV)

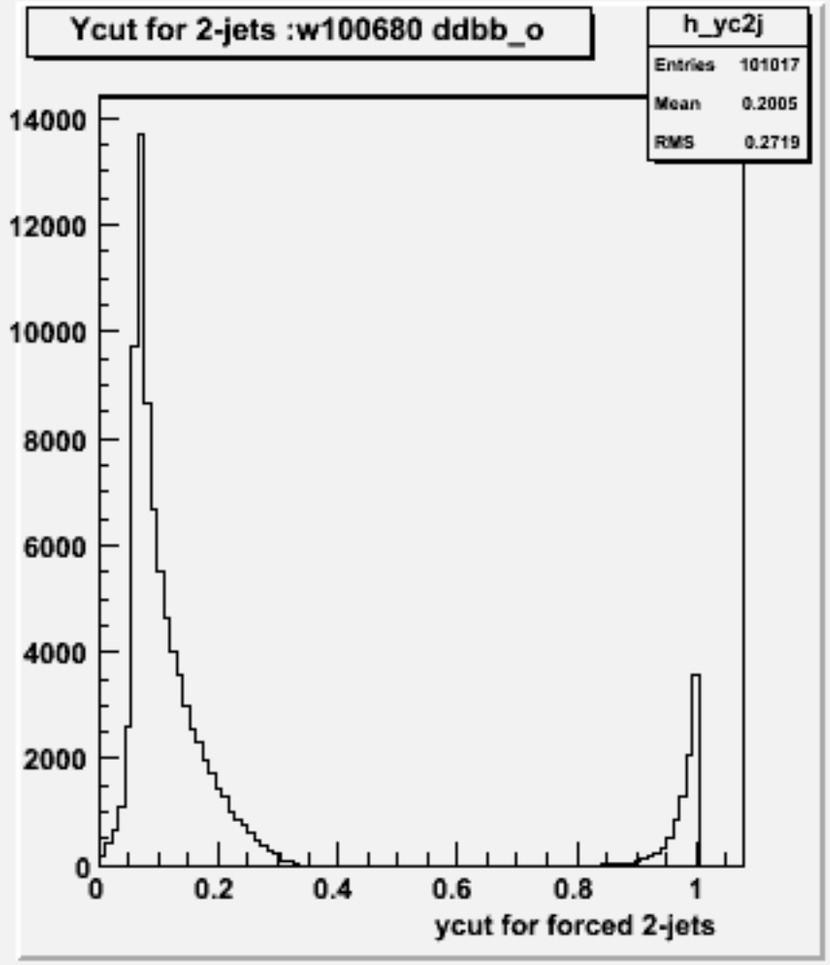

Pt Sum: w100680 ddbb_o
h_pt
Entries 101017
Mean 5.914
RMS 9.131
Pt(sum) (GeV)

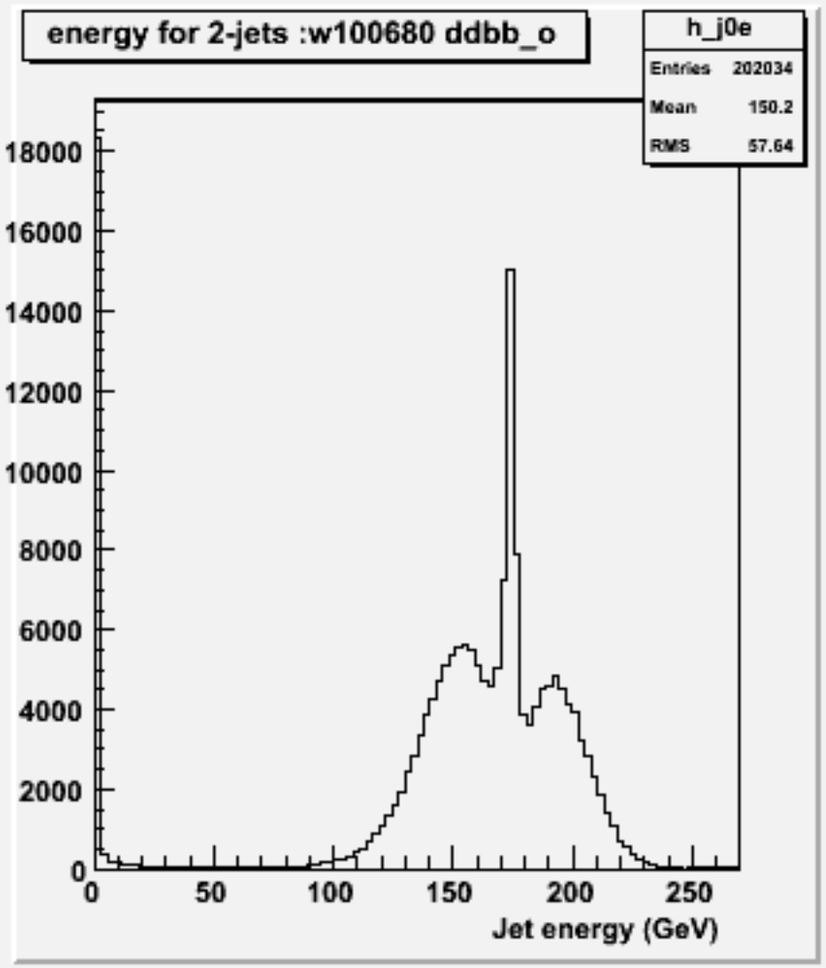

Pz Sum: w100680 ddbb_o
h_pz
Entries 101017
Mean -0.003129
RMS 14.19
Pz(sum) (GeV)

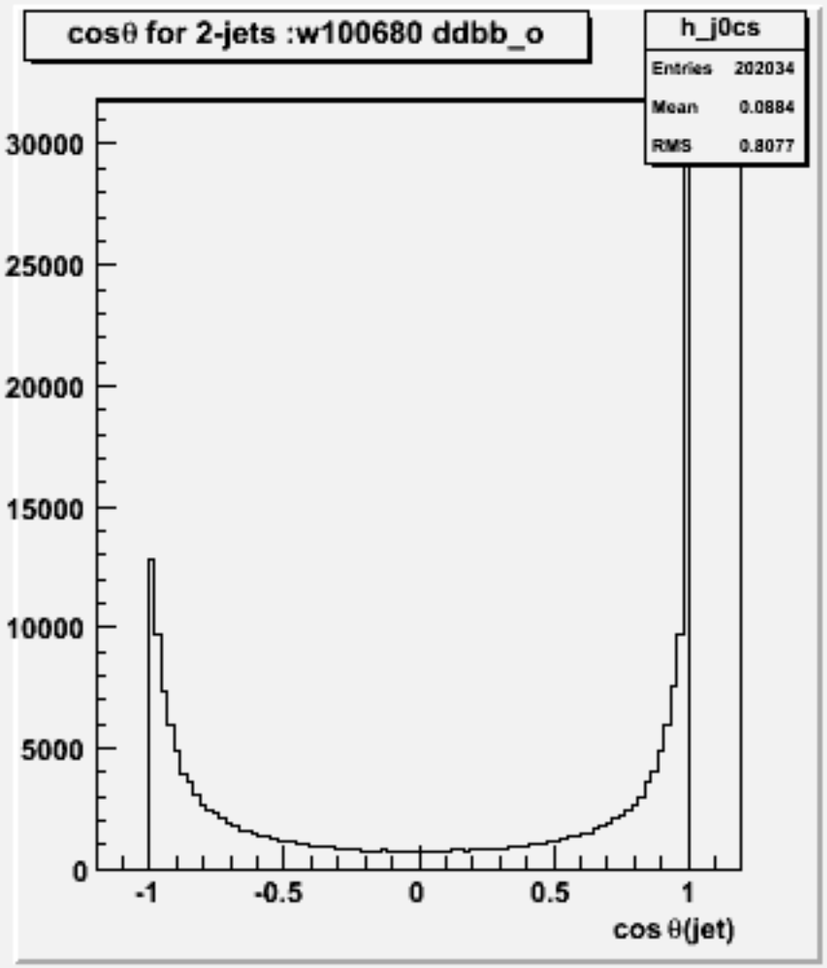

Thrust w100680 ddbb_o
h_thrust
Entries 101017
Mean 0.8451
RMS 0.06017
Thrust

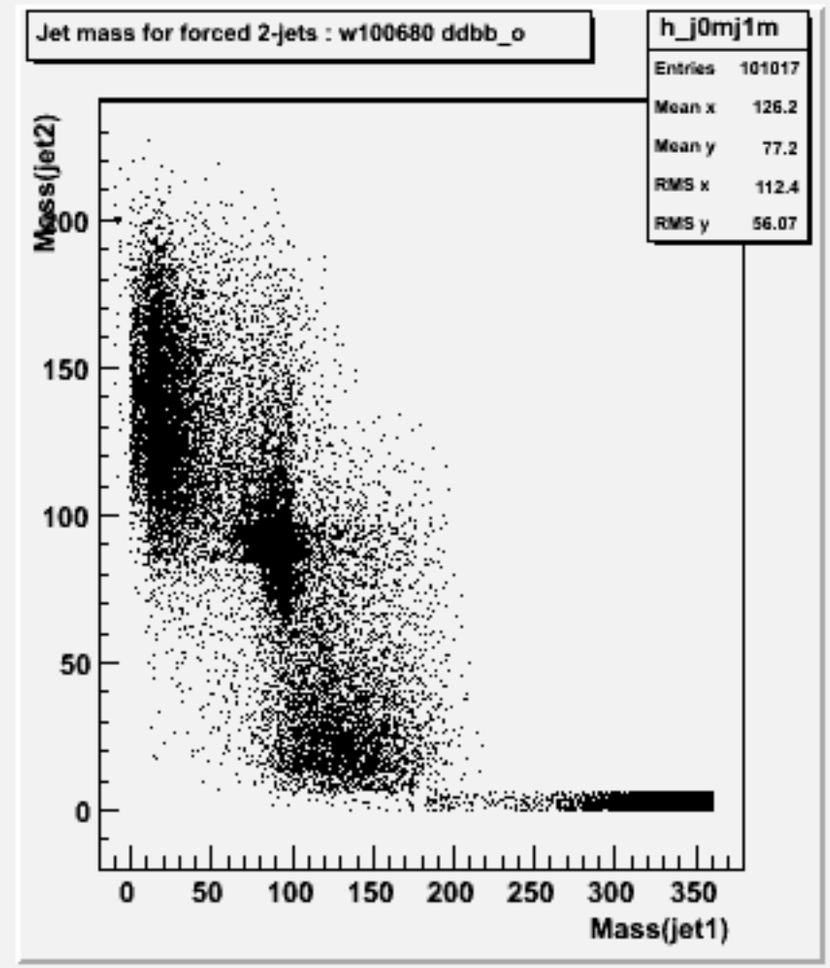

cosΘ(thrust) w100680 ddbb_o
h_csth
Entries 101017
Mean 0.0026042
RMS 0.7876
Thrust

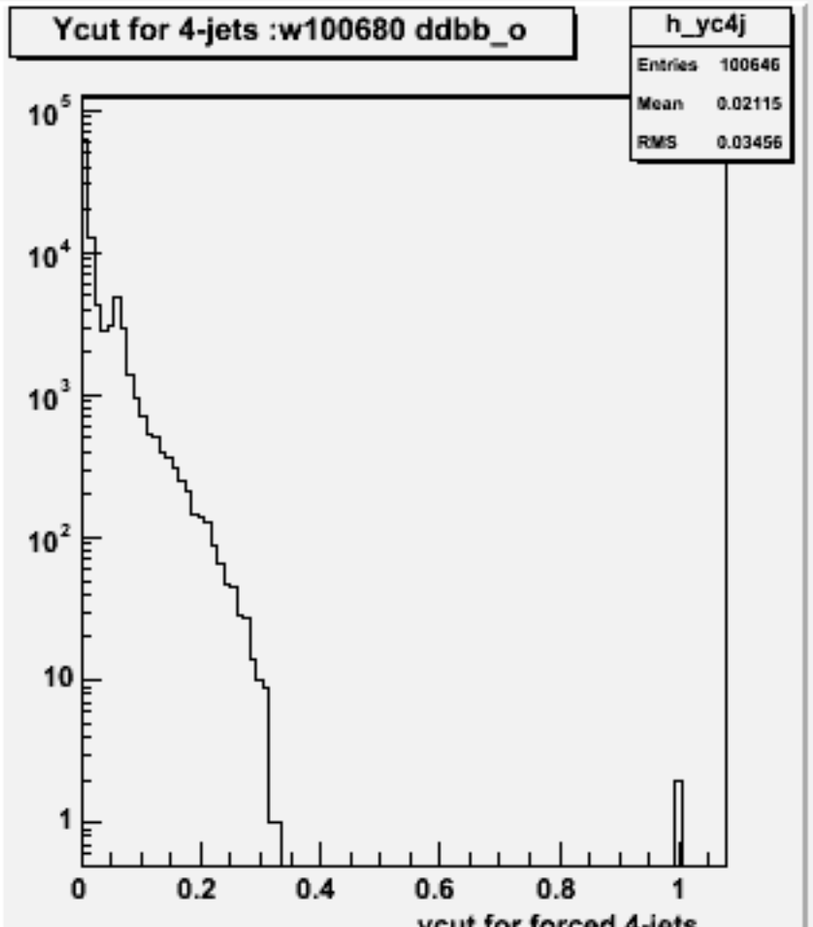

No. jets (ycut=0.001) : w100680 ddbb_o
h_njets
Entries 101017
Mean 5.926
RMS 1.166
No. of jets

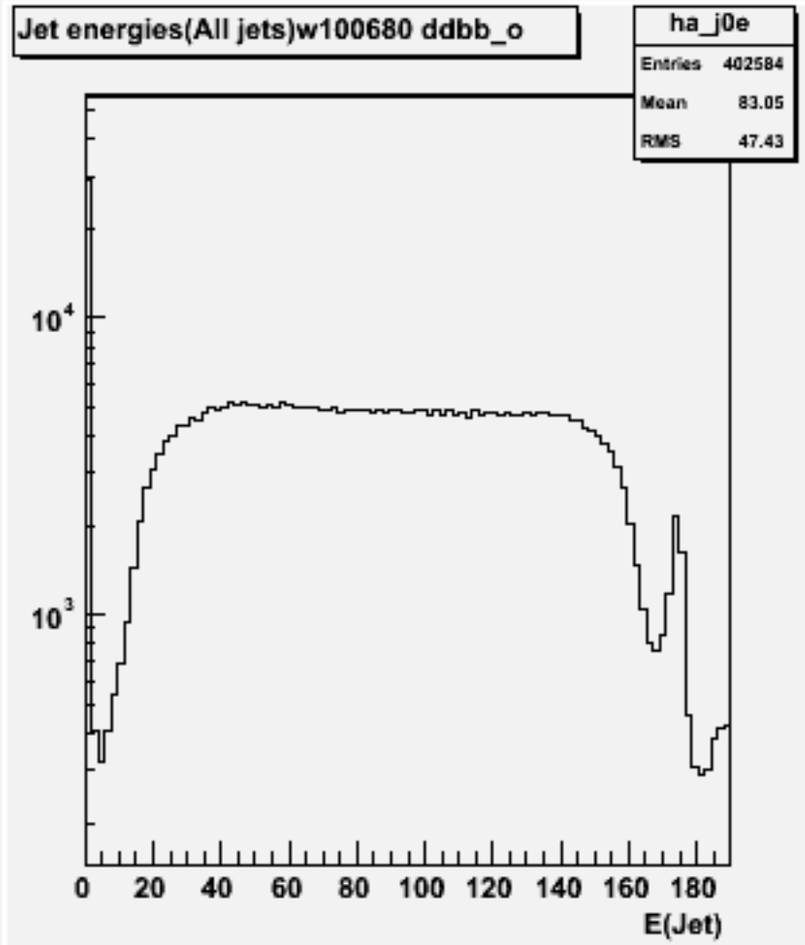

Ycut for 2-jets :w100680 ddbb_o
h_yc2j
Entries 101017
Mean 0.2005
RMS 0.2719
ycut for forced 2-jets

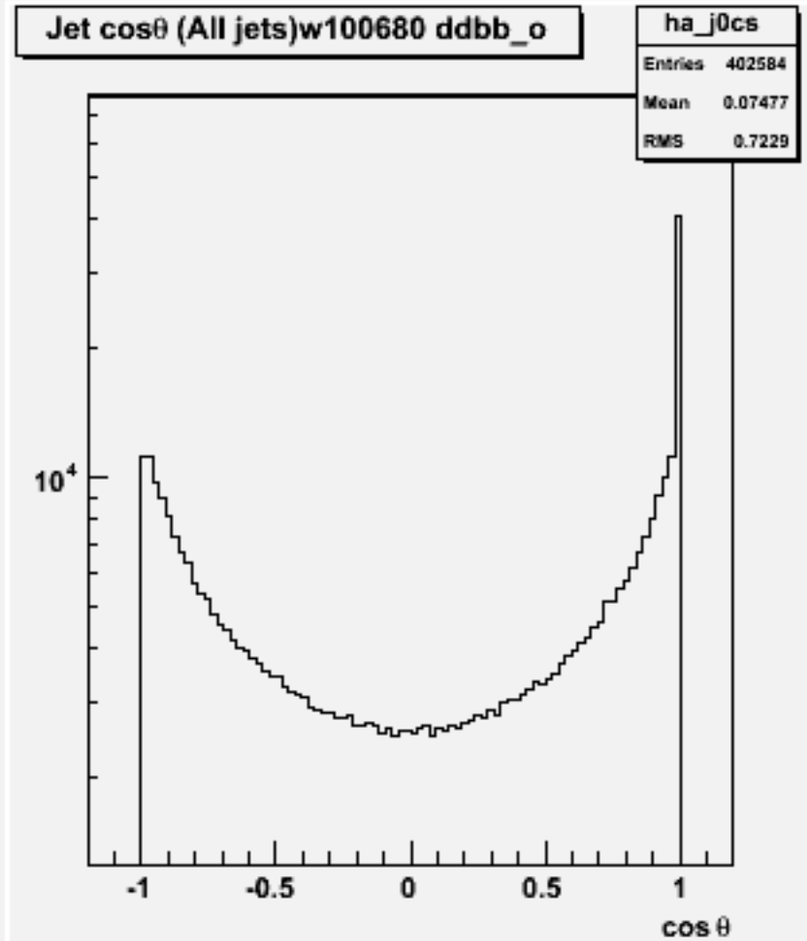

energy for 2-jets :w100680 ddbb_o
h_j0e
Entries 202034
Mean 150.2
RMS 57.64
Jet energy (GeV)

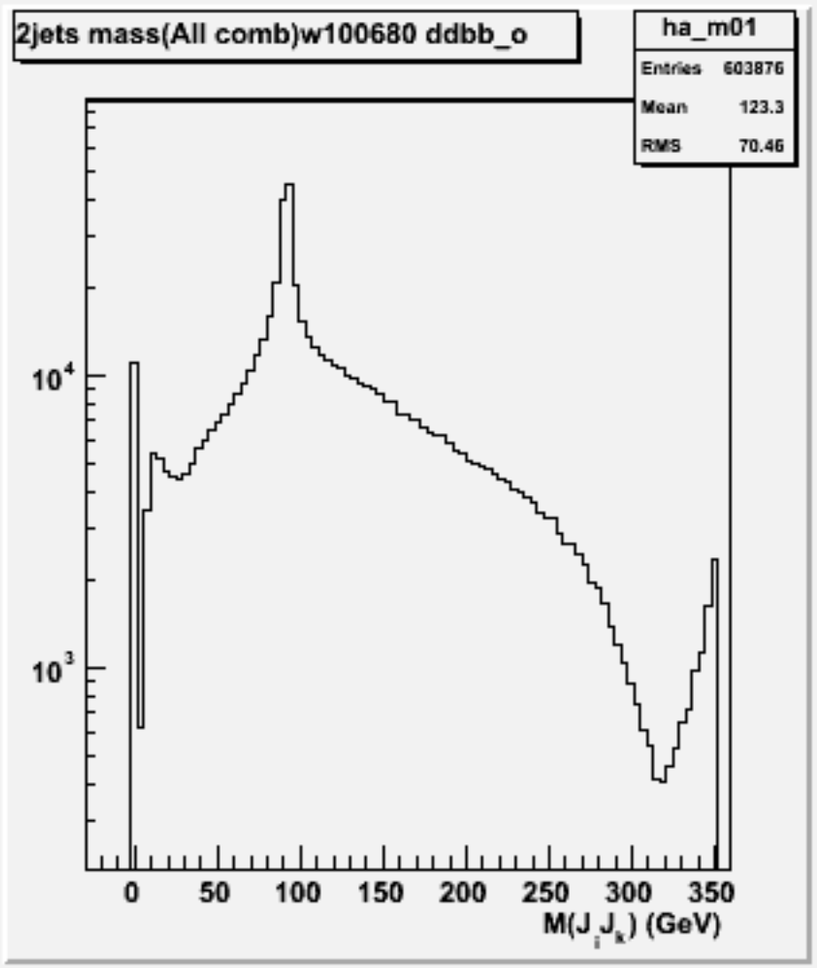

cosθ for 2-jets :w100680 ddbb_o
h_j0cs
Entries 202034
Mean 0.0884
RMS 0.8077
cos θ(jet)

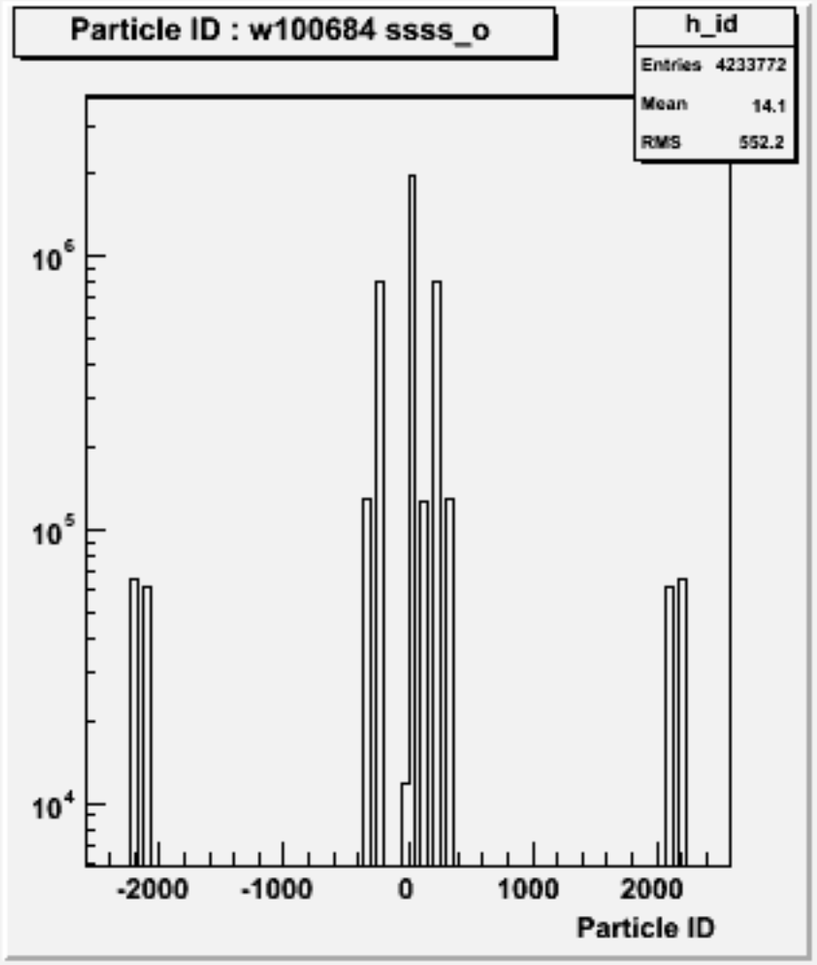

Jet mass for forced 2-jets : w100680 ddbb_o
h_j0mj1m
Entries 101017
Mean x 126.2
Mean y 77.2
RMS x 112.4
RMS y 56.07
Mass(jet2)
Mass(jet1)

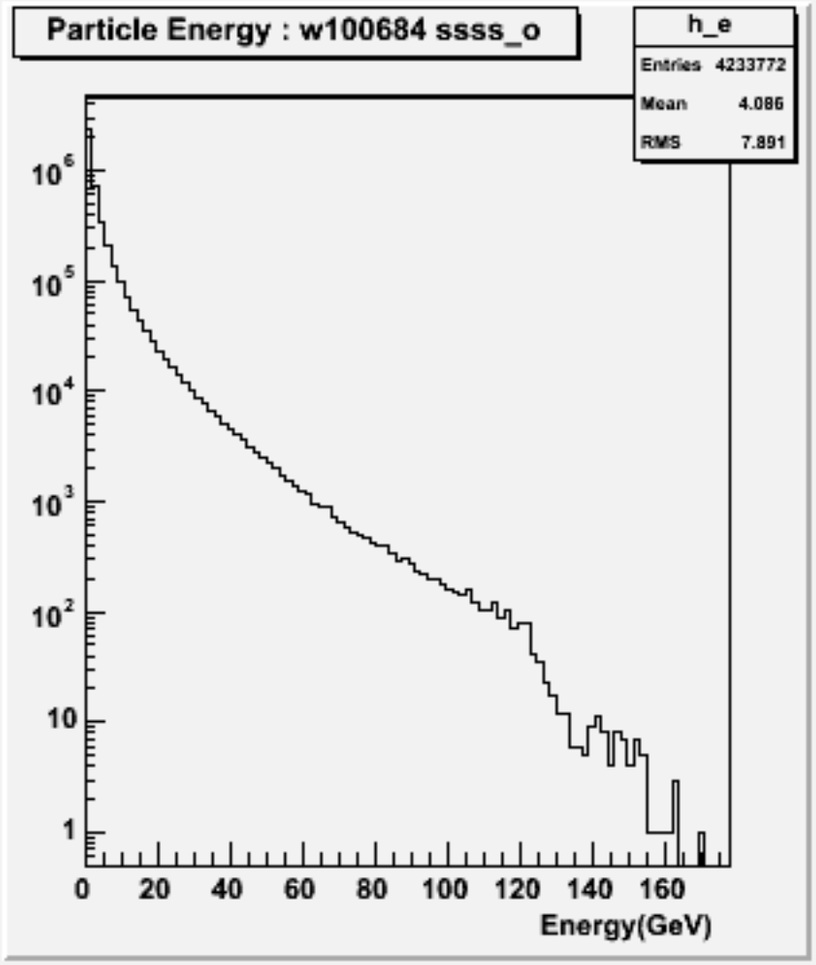

Ycut for 4-jets :w100680 ddbb_o
h_yc4j
Entries 100646
Mean 0.02115
RMS 0.03456
ycut for forced 4-jets

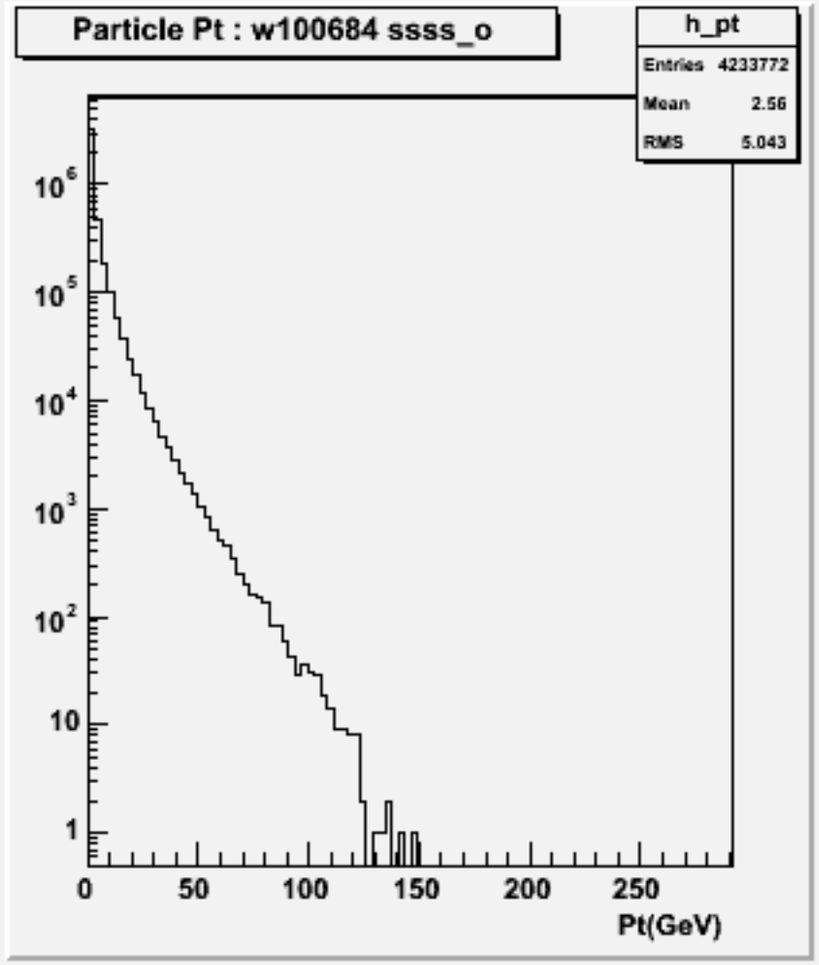

Jet energies(All jets)w100680 ddbb_o
ha_j0e
Entries 402584
Mean 83.05
RMS 47.43
E(Jet)

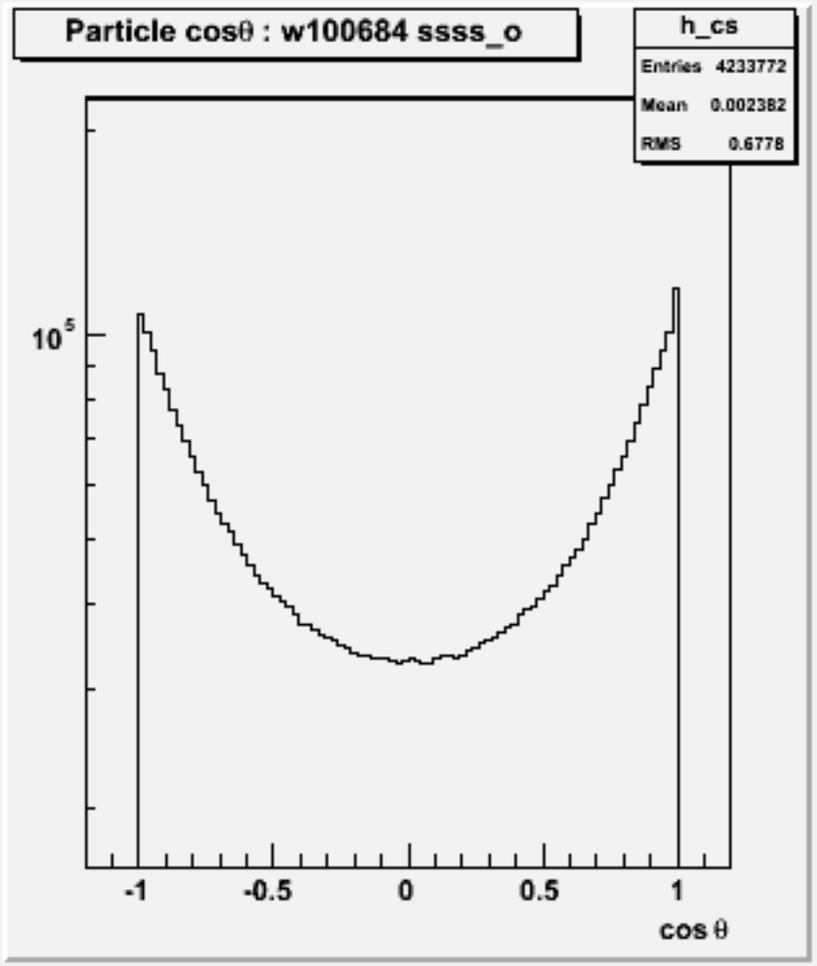

Jet cosθ (All jets)w100680 ddbb_o
ha_j0cs
Entries 402584
Mean 0.07477
RMS 0.7229
cos θ

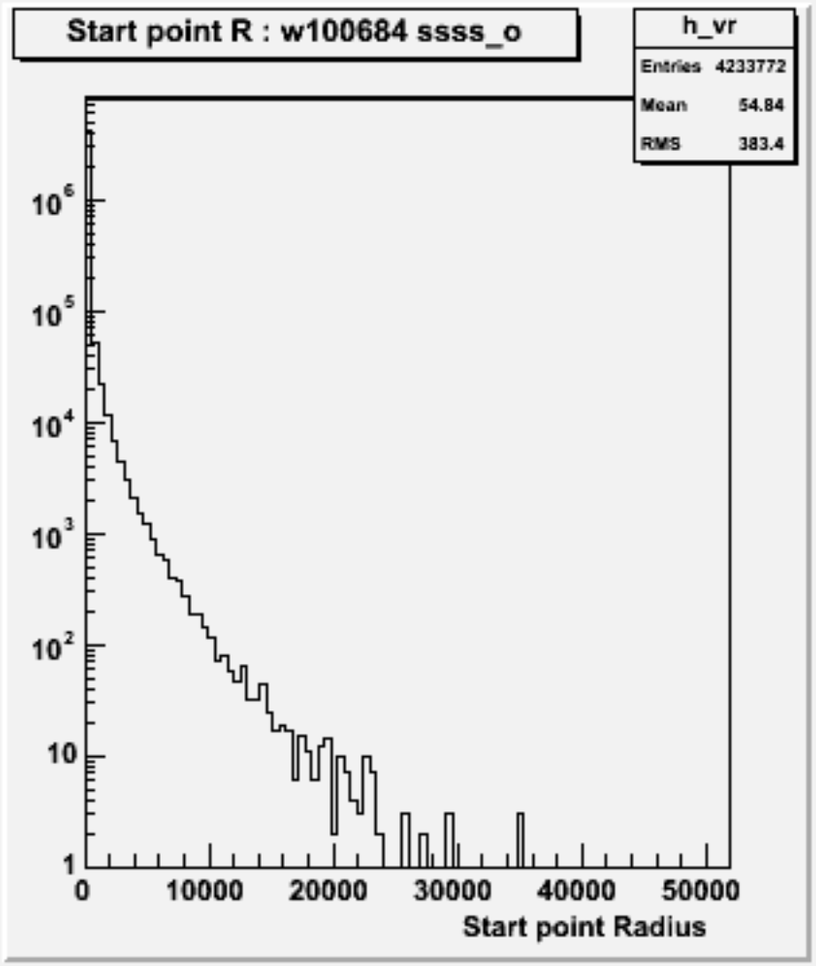

2jets mass(All comb)w100680 ddbb_o
ha_m01
Entries 603876
Mean 123.3
RMS 70.46
M(J_iJ_k) (GeV)

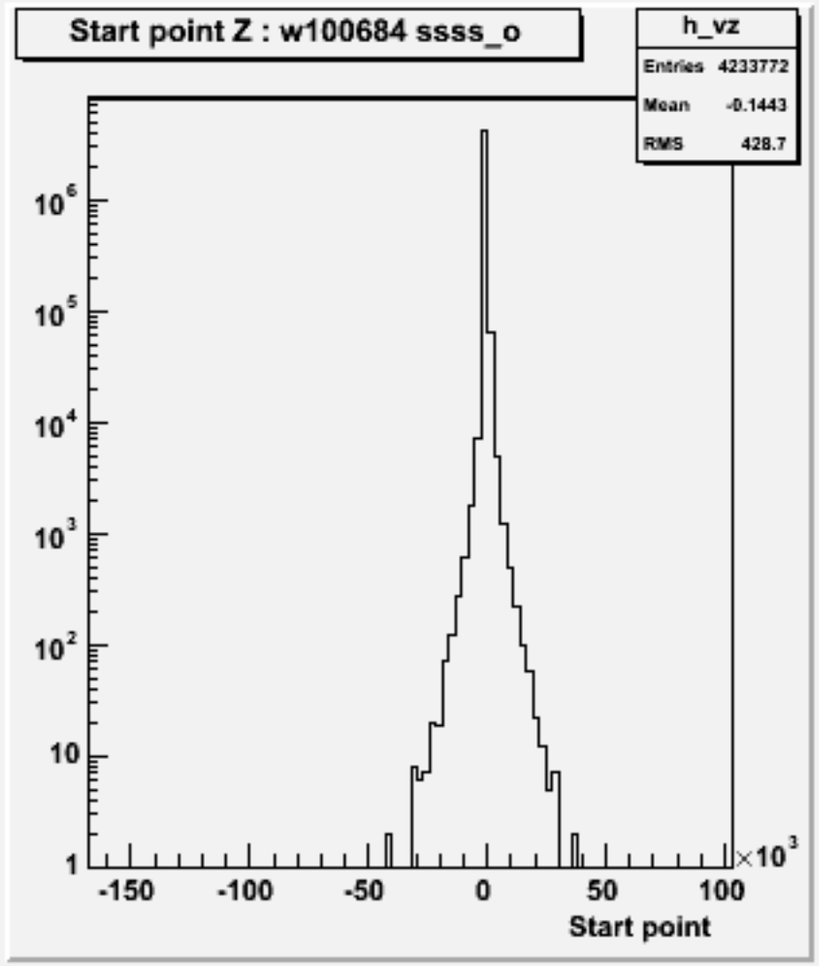

Particle ID : w100684 ssss_o
h_id
Entries 4233772
Mean 14.1
RMS 552.2
10^6
10^5
10^4
-2000
-1000
0
1000
2000
Particle ID

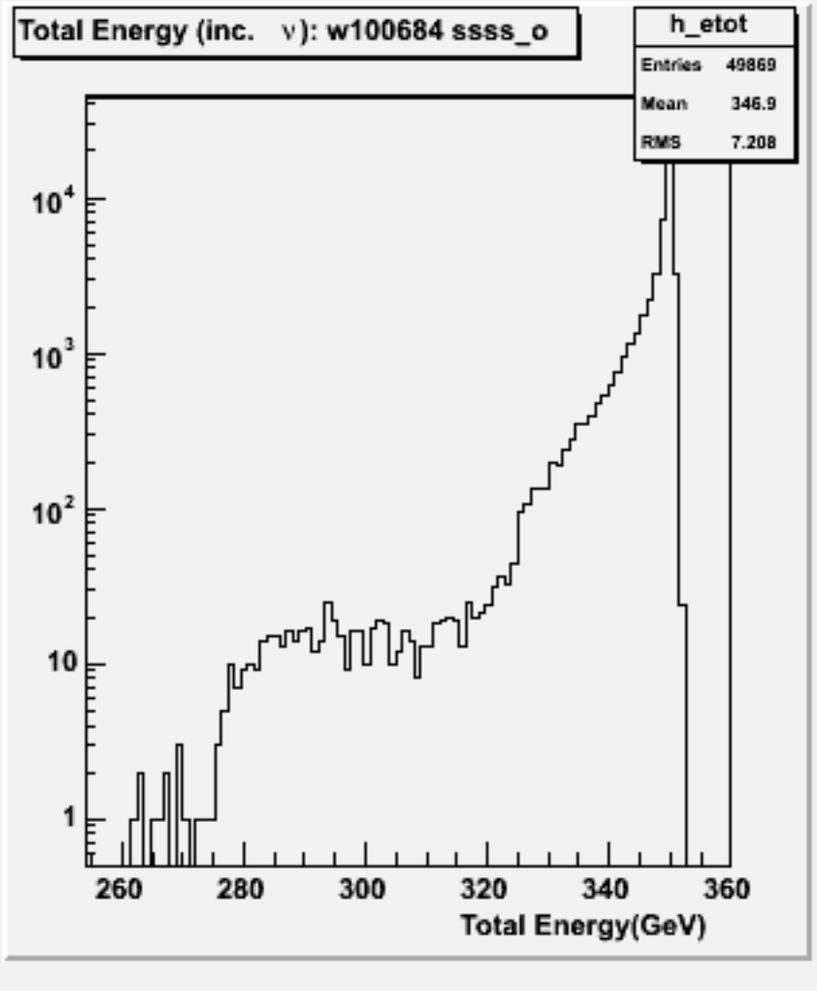

Particle Energy : w100684 ssss_o
h_e
Entries 4233772
Mean 4.086
RMS 7.891
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

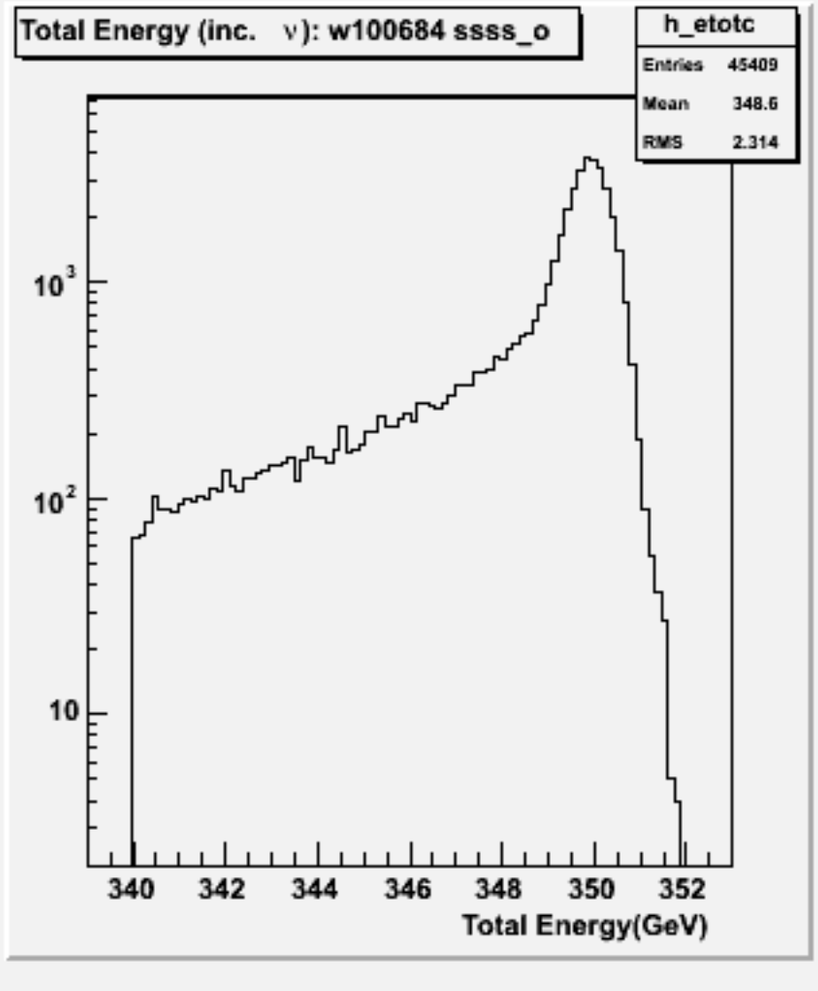

Particle Pt : w100684 ssss_o
h_pt
Entries 4233772
Mean 2.56
RMS 5.043
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Pt(GeV)

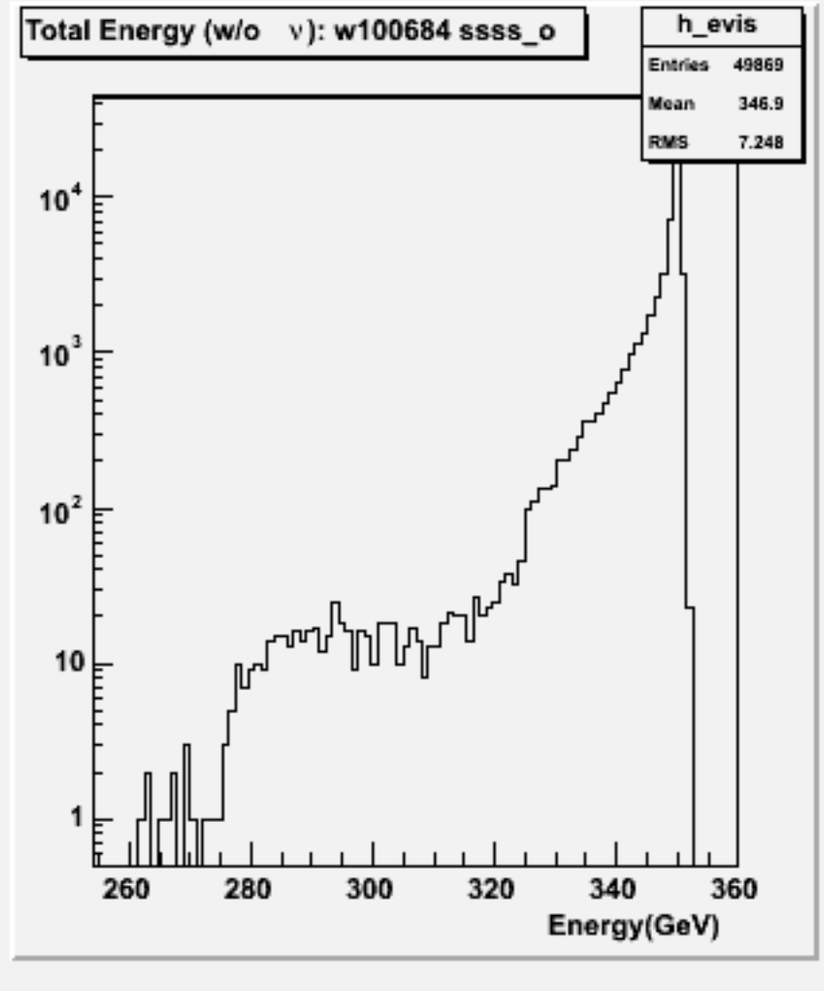

Particle cosθ : w100684 ssss_o
h_cs
Entries 4233772
Mean 0.002382
RMS 0.6778
10^5
-1
-0.5
0
0.5
1
cos θ

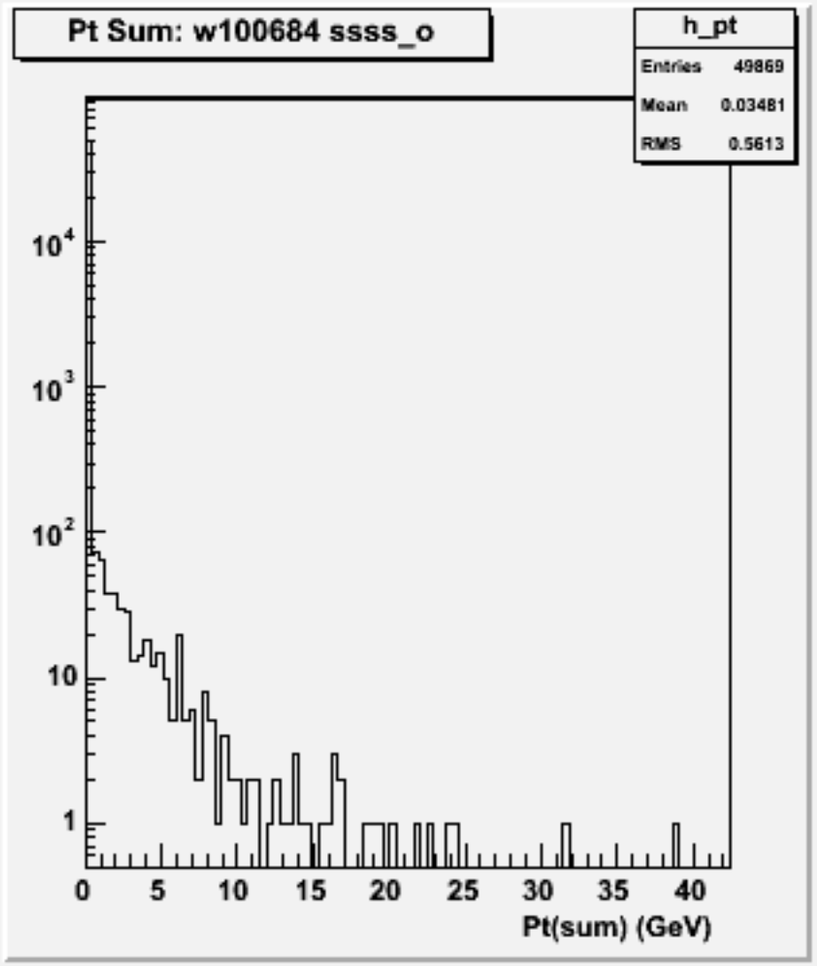

Start point R : w100684 ssss_o
h_vr
Entries 4233772
Mean 54.84
RMS 383.4
10^6
10^5
10^4
10^3
10^2
10
1
0
10000
20000
30000
40000
50000
Start point Radius

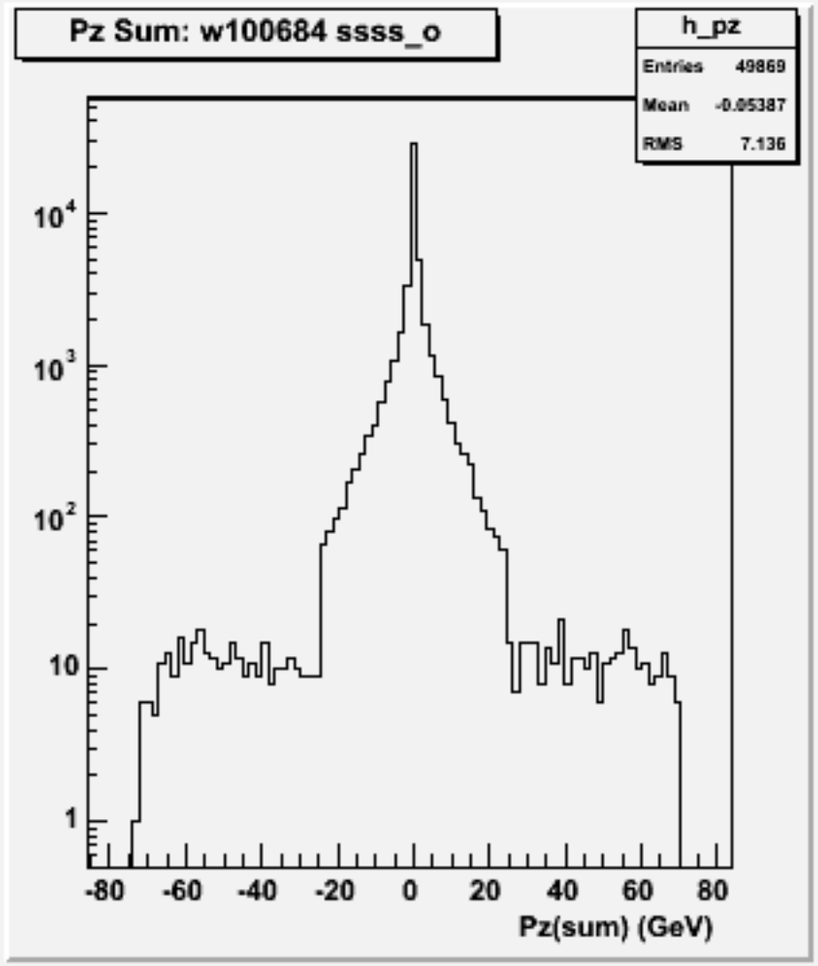

Start point Z : w100684 ssss_o
h_vz
Entries 4233772
Mean -0.1443
RMS 428.7
10^6
10^5
10^4
10^3
10^2
10
1
-150
-100
-50
0
50
100
$\times 10^3$
Start point

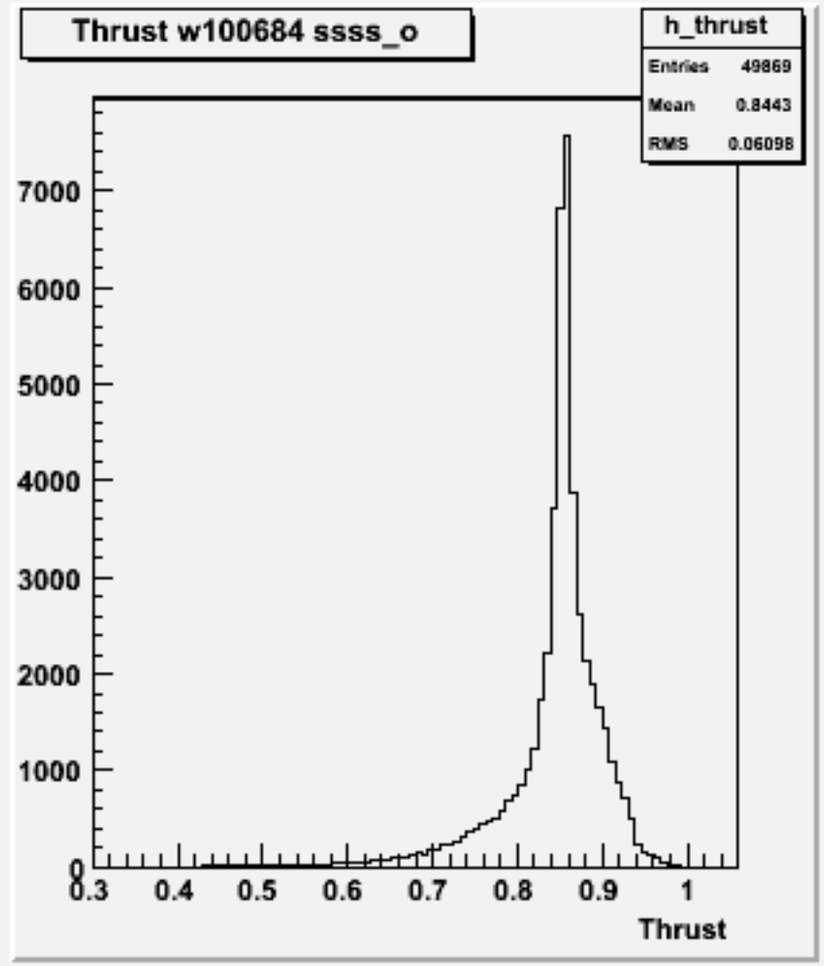

Total Energy (inc. ν): w100684 ssss_o
h_etot
Entries 49869
Mean 346.9
RMS 7.208
Total Energy(GeV)

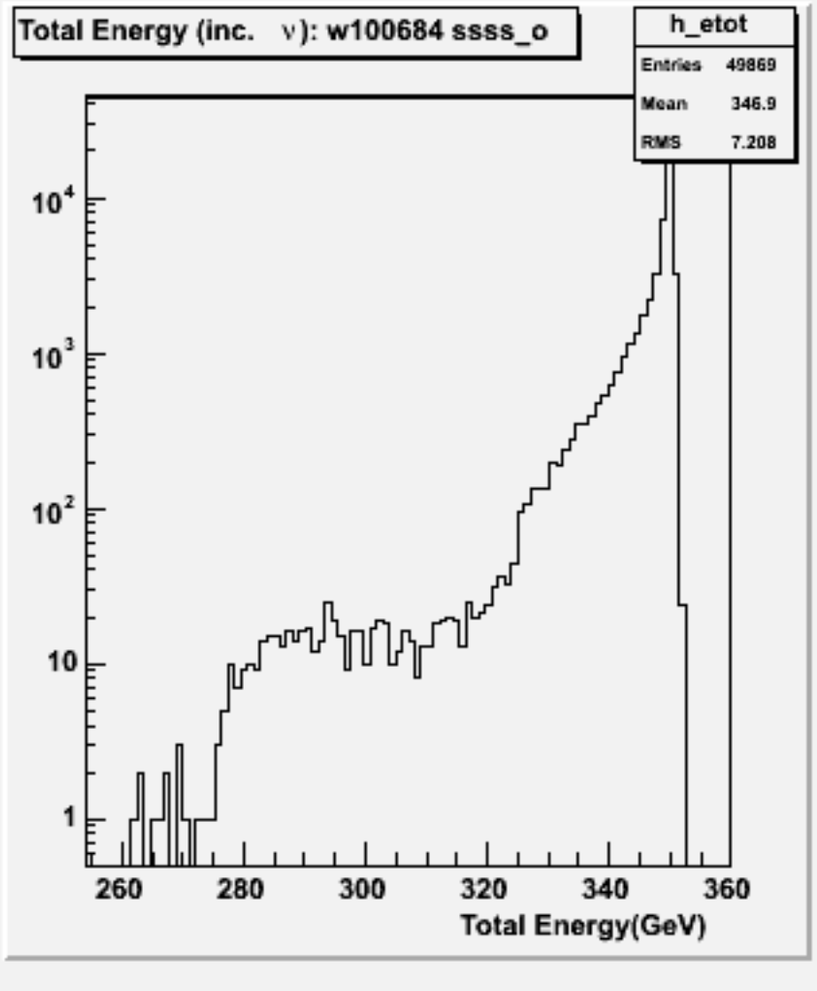

Total Energy (inc. ν): w100684 ssss_o
h_etotc
Entries 45409
Mean 348.6
RMS 2.314
Total Energy(GeV)

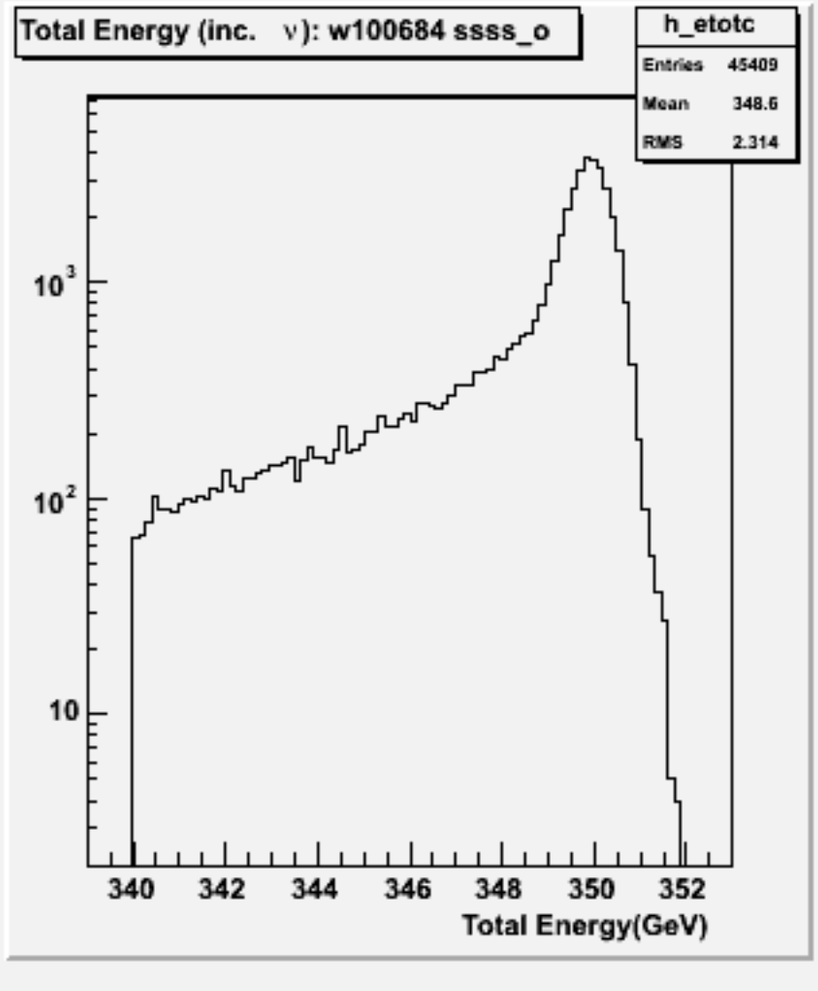

Total Energy (w/o ν): w100684 ssss_o
h_evis
Entries 49869
Mean 346.9
RMS 7.248
Energy(GeV)

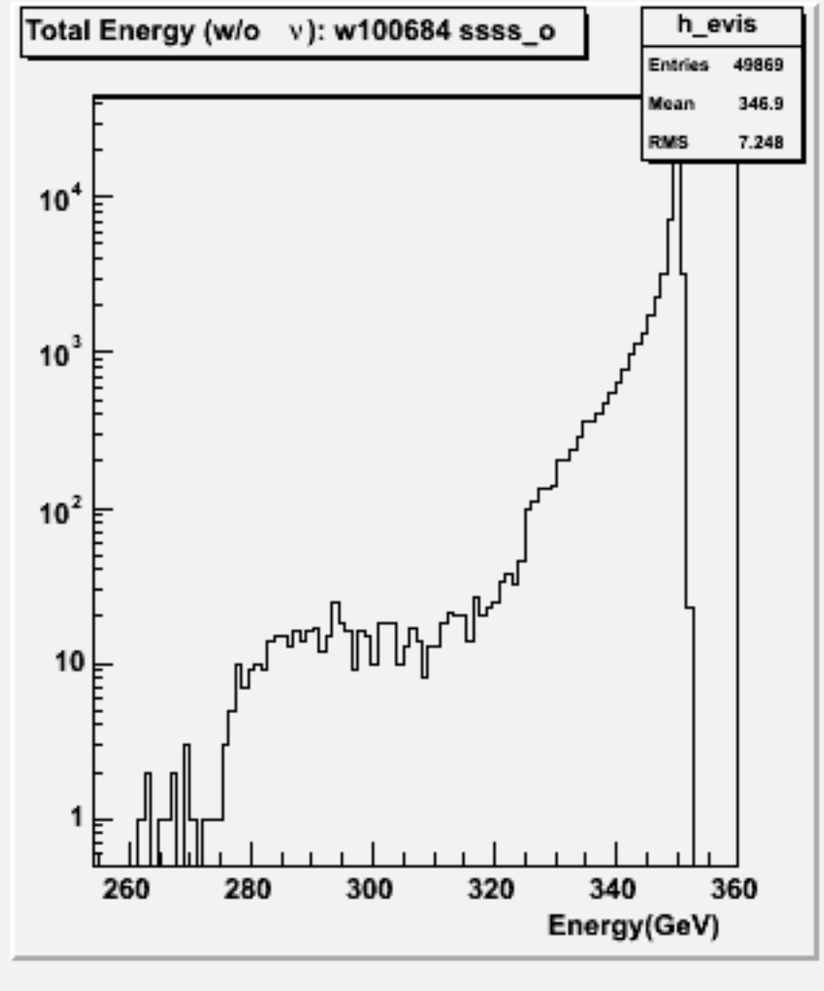

Pt Sum: w100684 ssss_o
h_pt
Entries 49869
Mean 0.03481
RMS 0.5613
Pt(sum) (GeV)

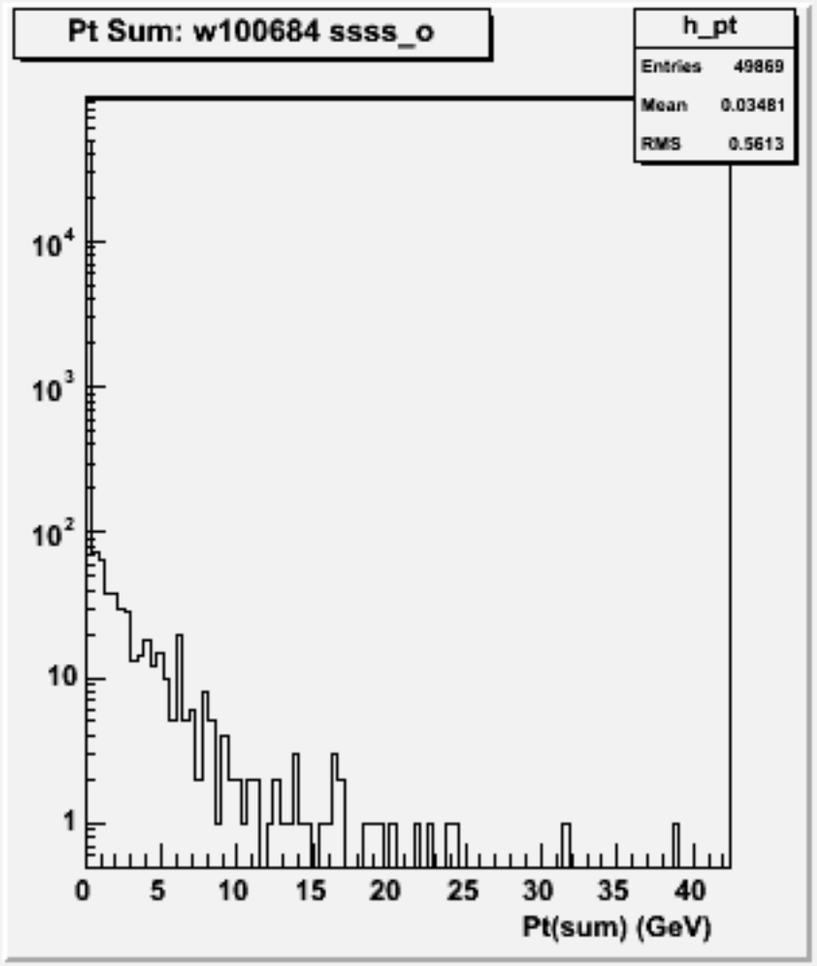

Pz Sum: w100684 ssss_o
h_pz
Entries 49869
Mean -0.05387
RMS 7.136
Pz(sum) (GeV)

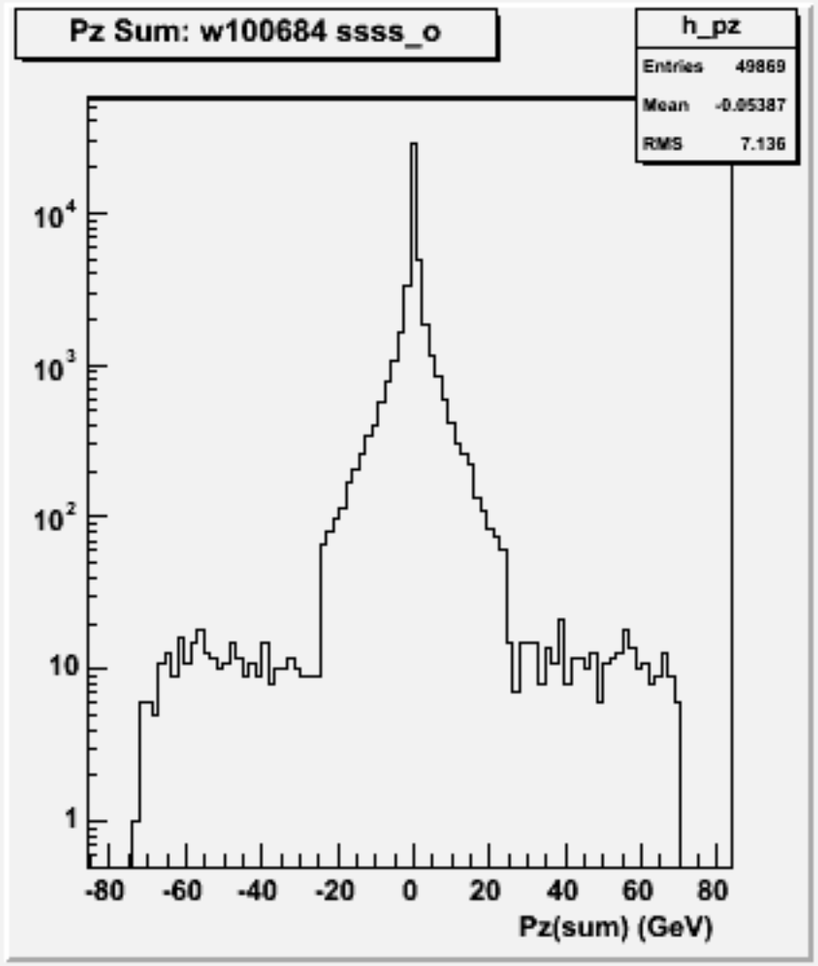

Thrust w100684 ssss_o
h_thrust
Entries 49869
Mean 0.8443
RMS 0.06098
Thrust

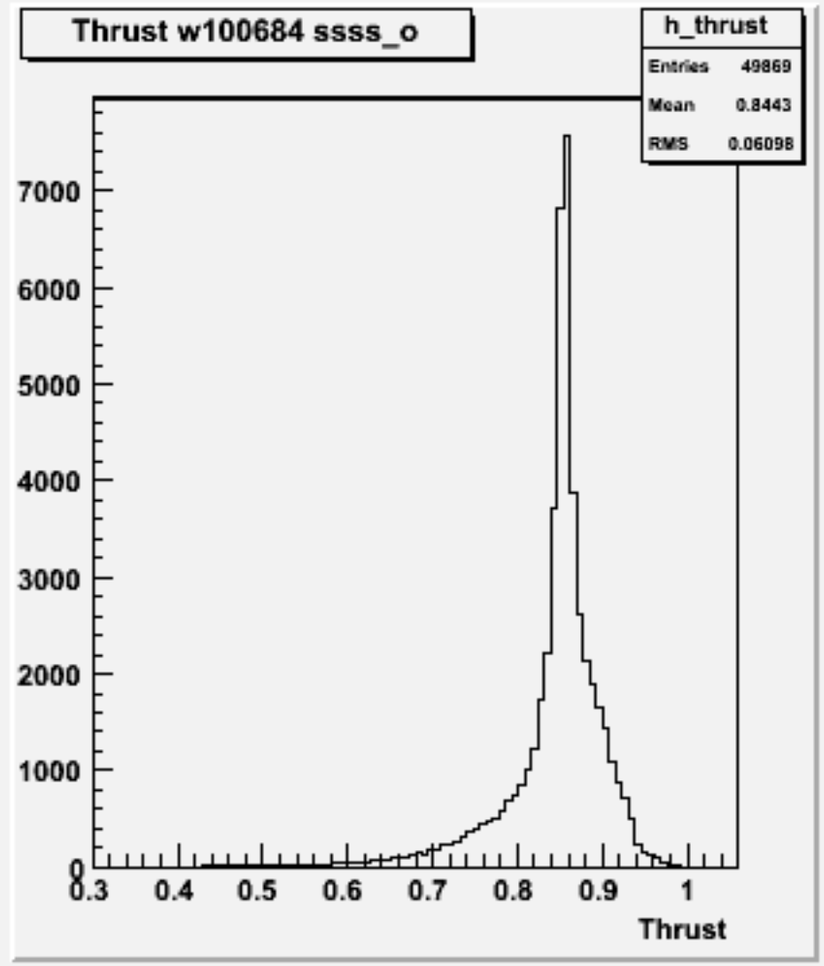

Total Energy (inc. ν): w100684 ssss_o
h_etot
Entries 49869
Mean 346.9
RMS 7.208
Total Energy(GeV)

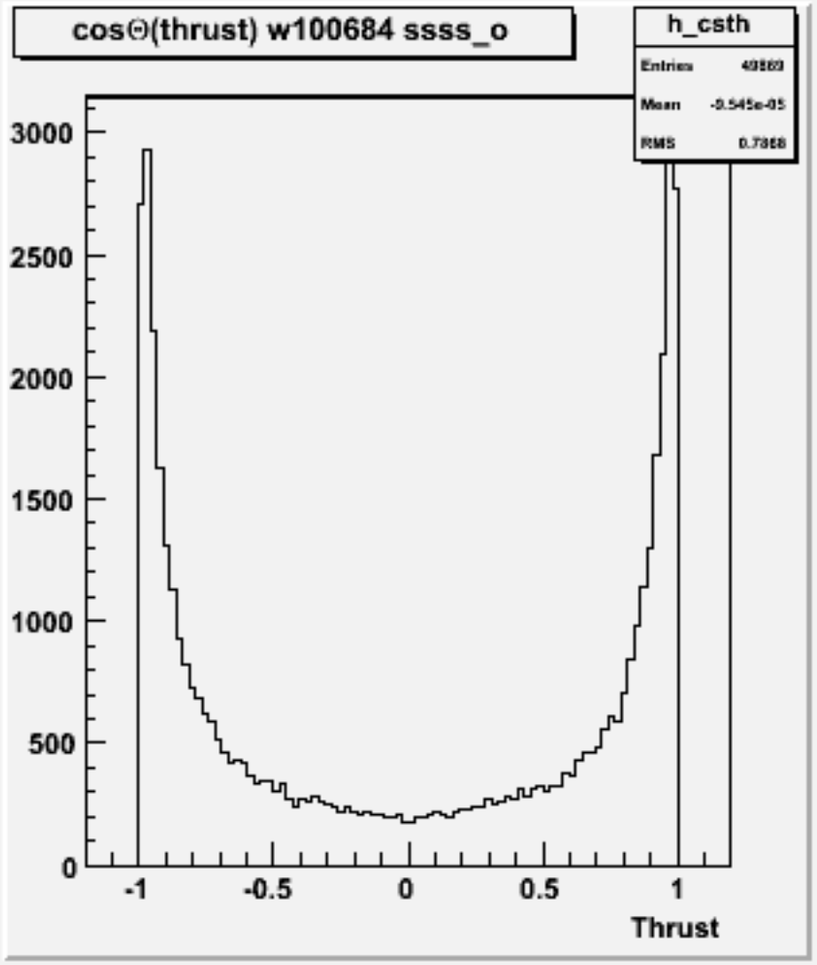

Total Energy (inc. ν): w100684 ssss_o
h_etotc
Entries 45409
Mean 348.6
RMS 2.314
Total Energy(GeV)

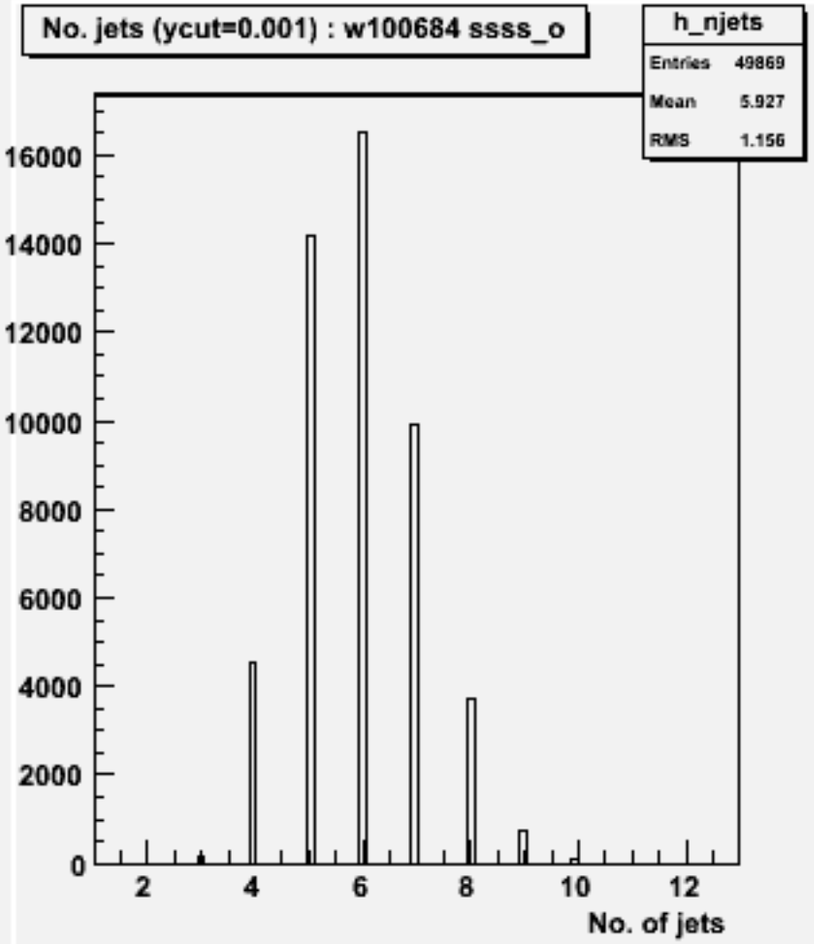

Total Energy (w/o ν): w100684 ssss_o
h_evis
Entries 49869
Mean 346.9
RMS 7.248
Energy(GeV)

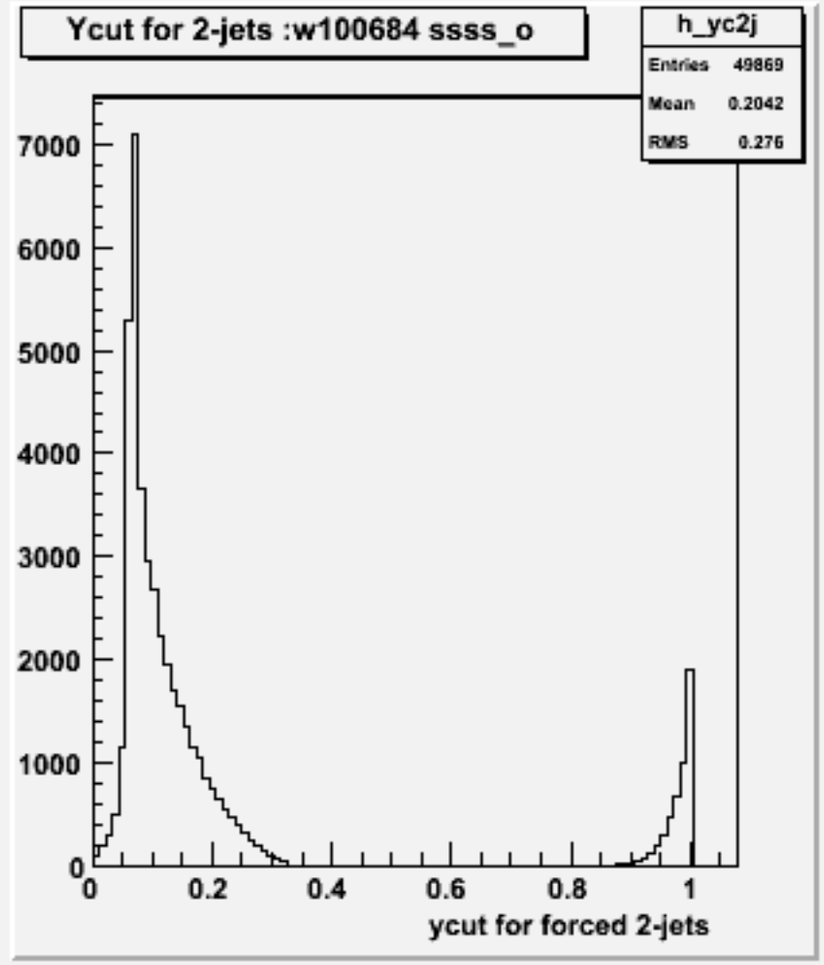

Pt Sum: w100684 ssss_o
h_pt
Entries 49869
Mean 0.03481
RMS 0.5613
Pt(sum) (GeV)

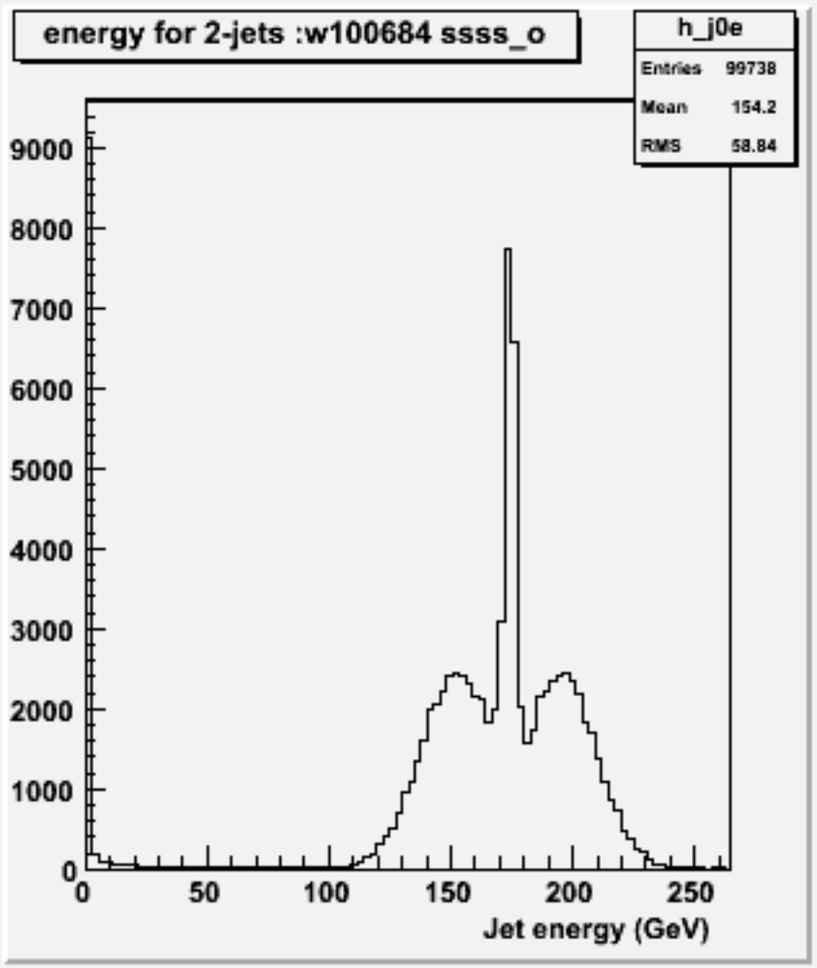

Pz Sum: w100684 ssss_o
h_pz
Entries 49869
Mean -0.05387
RMS 7.136
Pz(sum) (GeV)

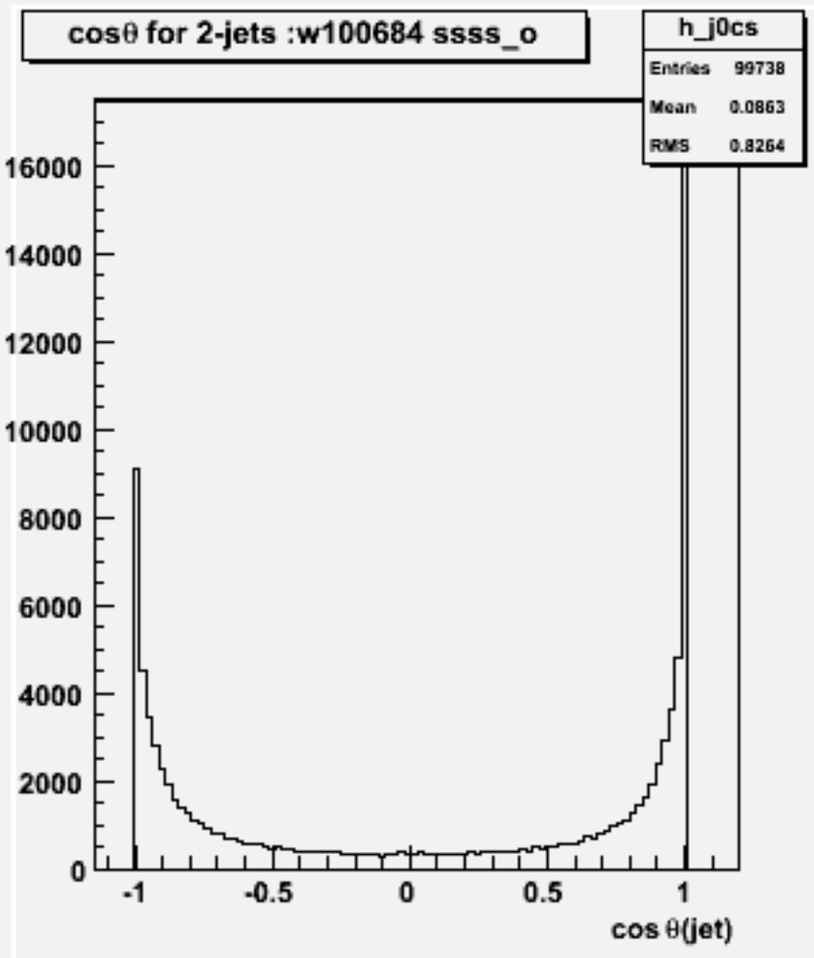

Thrust w100684 ssss_o
h_thrust
Entries 49869
Mean 0.8443
RMS 0.06098
Thrust

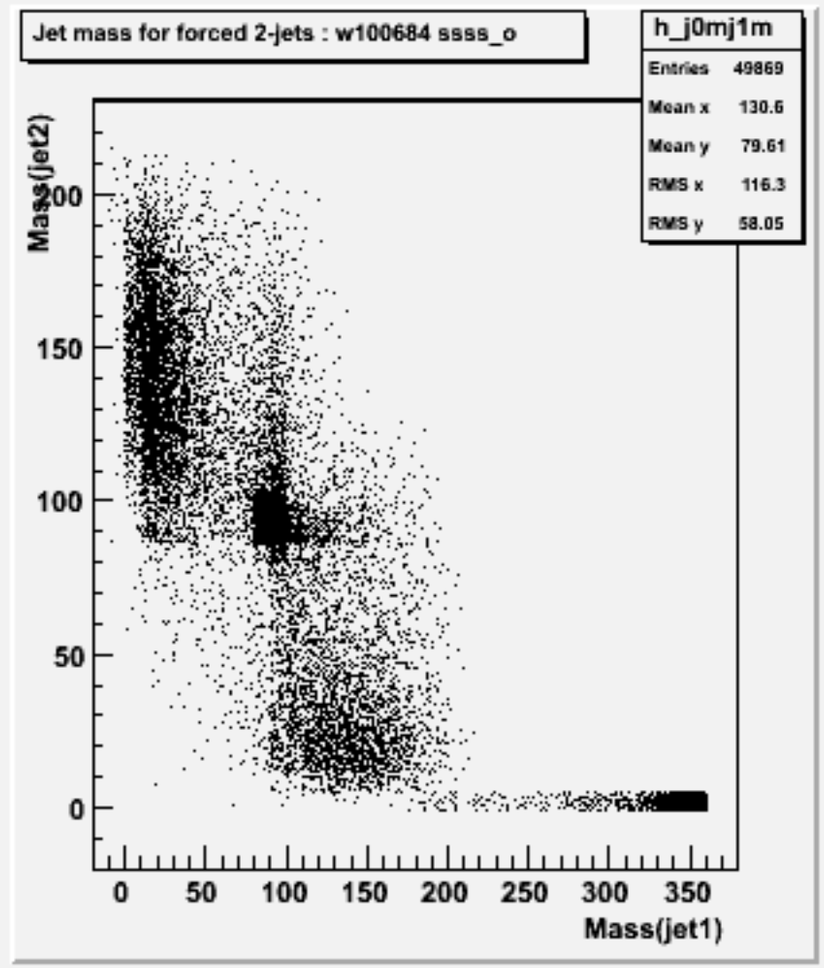

cosΘ(thrust) w100684 ssss_o
h_csth
Entries 49869
Mean -0.545e-05
RMS 0.7868
Thrust

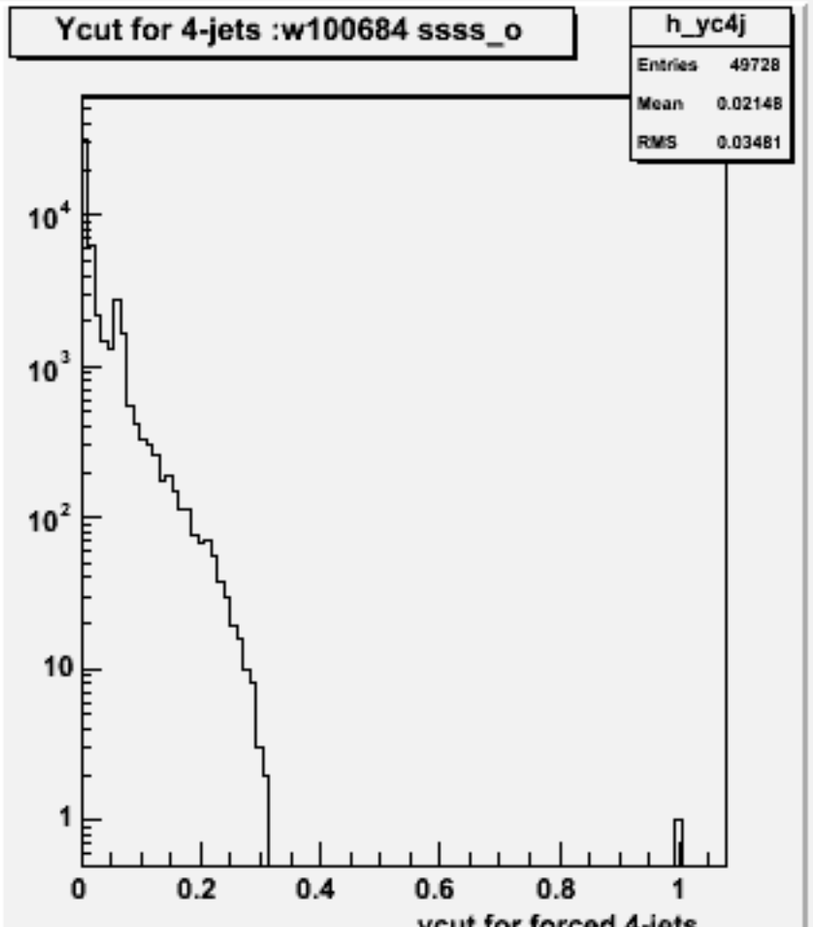

No. jets (ycut=0.001) : w100684 ssss_o
h_njets
Entries 49869
Mean 5.927
RMS 1.156
No. of jets

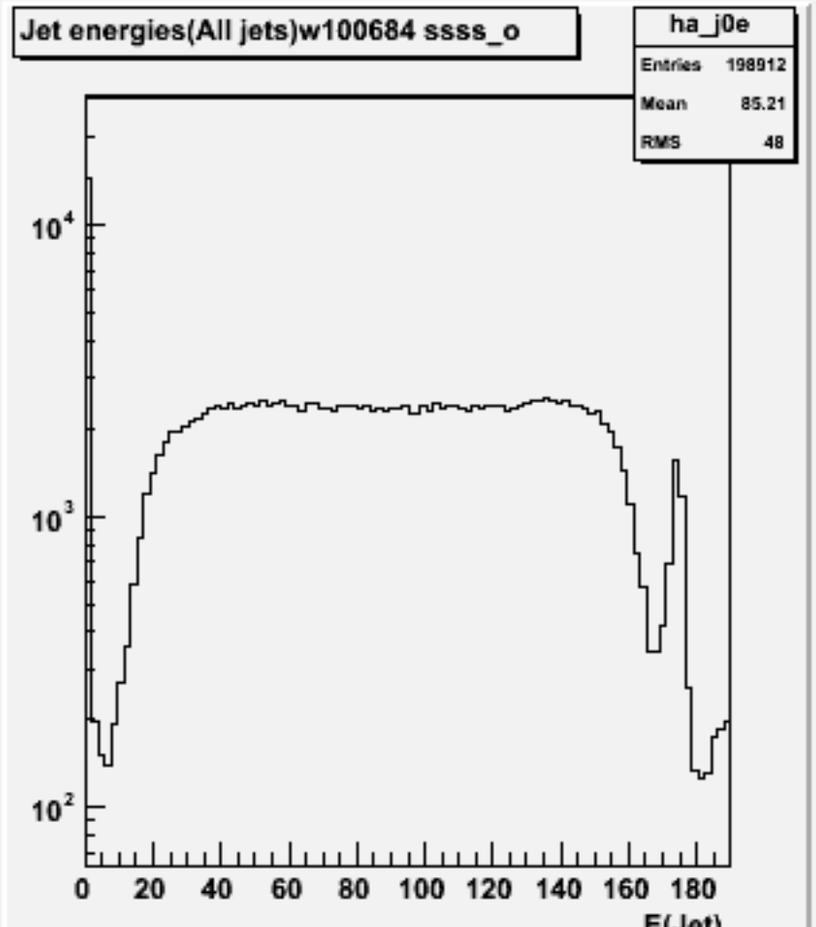

Ycut for 2-jets :w100684 ssss_o
h_yc2j
Entries 49869
Mean 0.2042
RMS 0.276
ycut for forced 2-jets

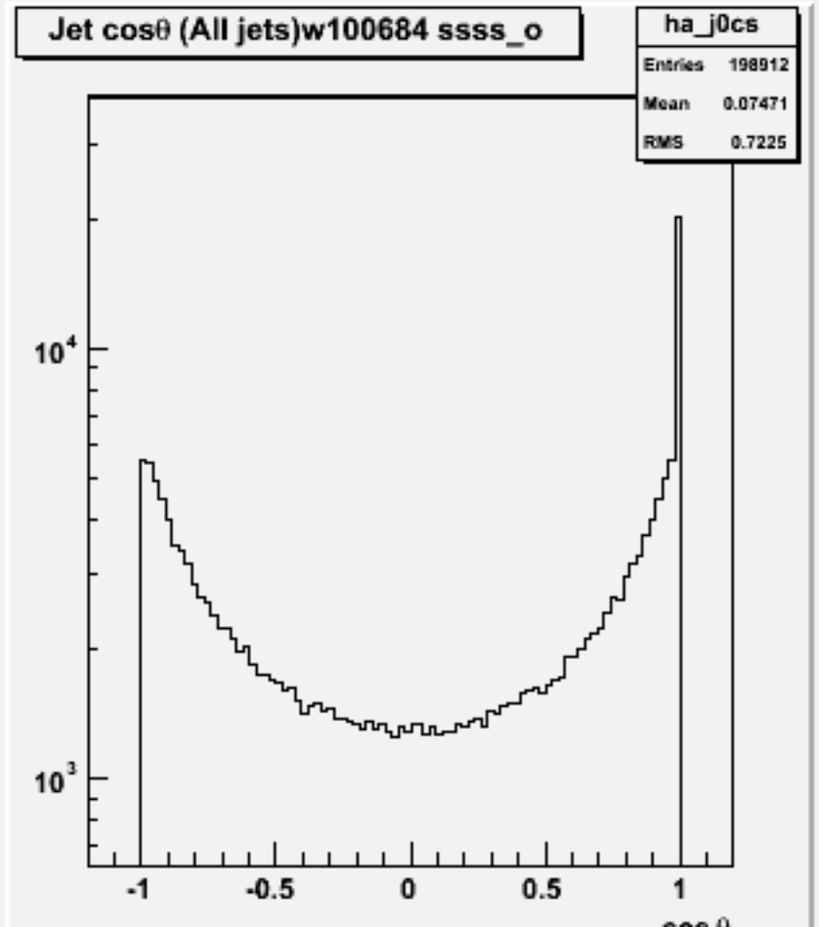

energy for 2-jets :w100684 ssss_o
h_j0e
Entries 99738
Mean 154.2
RMS 58.84
Jet energy (GeV)

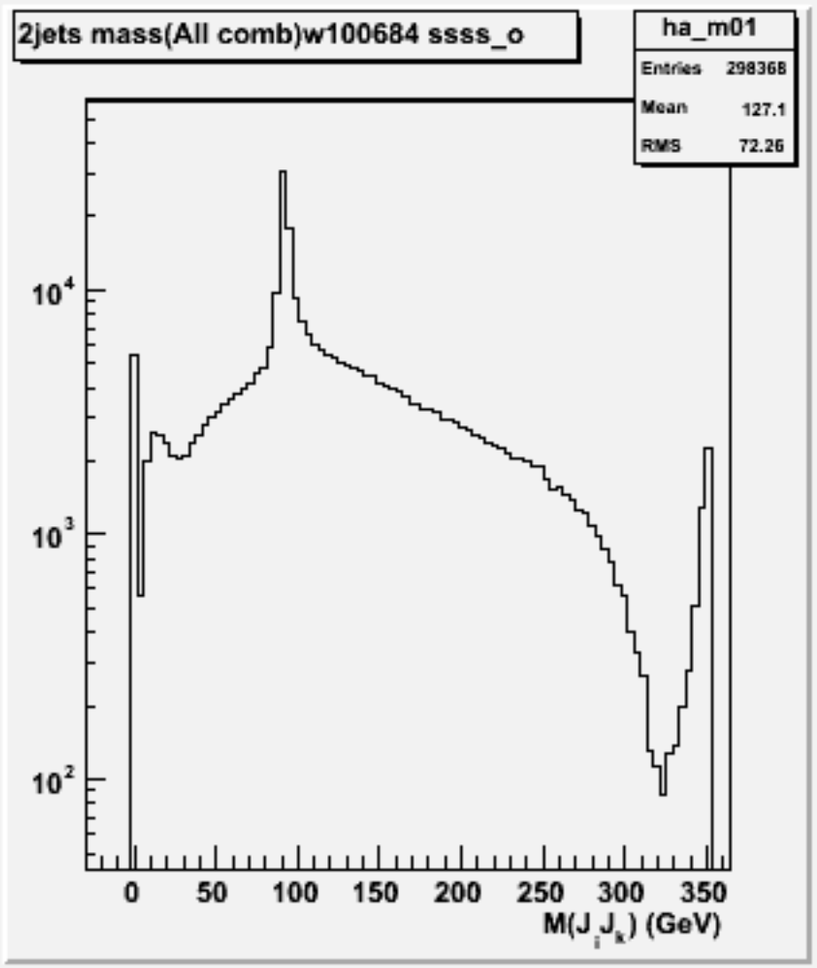

cosθ for 2-jets :w100684 ssss_o
h_j0cs
Entries 99738
Mean 0.0863
RMS 0.8264
cos θ(jet)

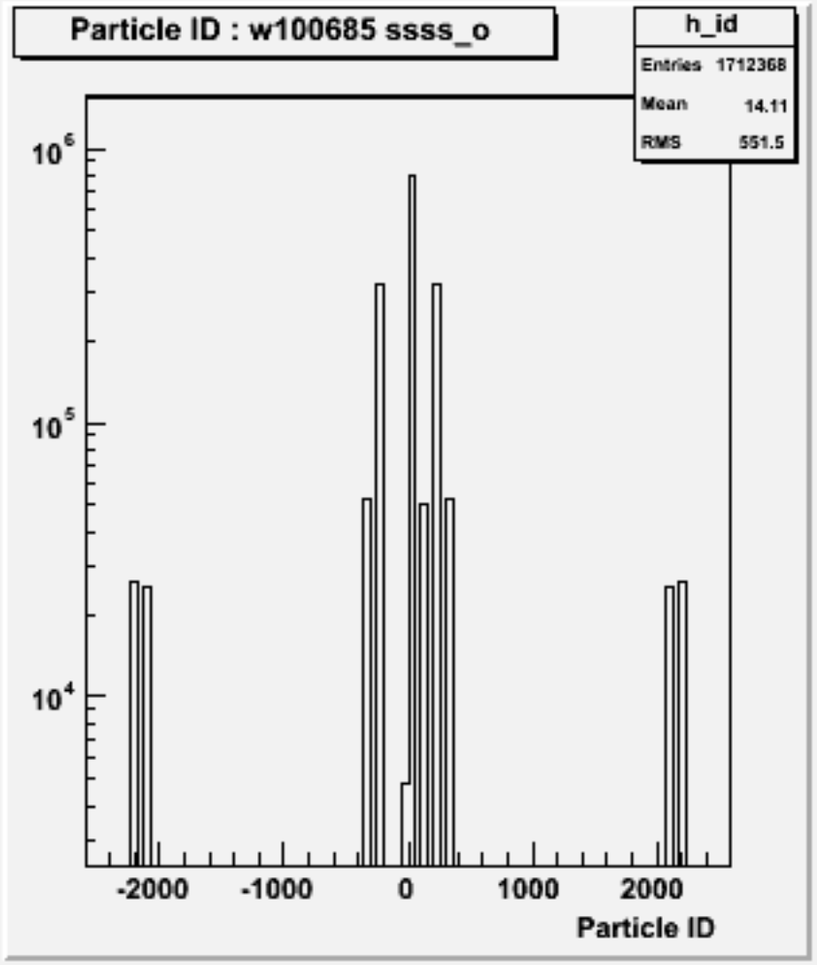

Jet mass for forced 2-jets : w100684 ssss_o
h_j0mj1m
Entries 49869
Mean x 130.6
Mean y 79.61
RMS x 116.3
RMS y 58.05
Mass(jet2)
Mass(jet1)

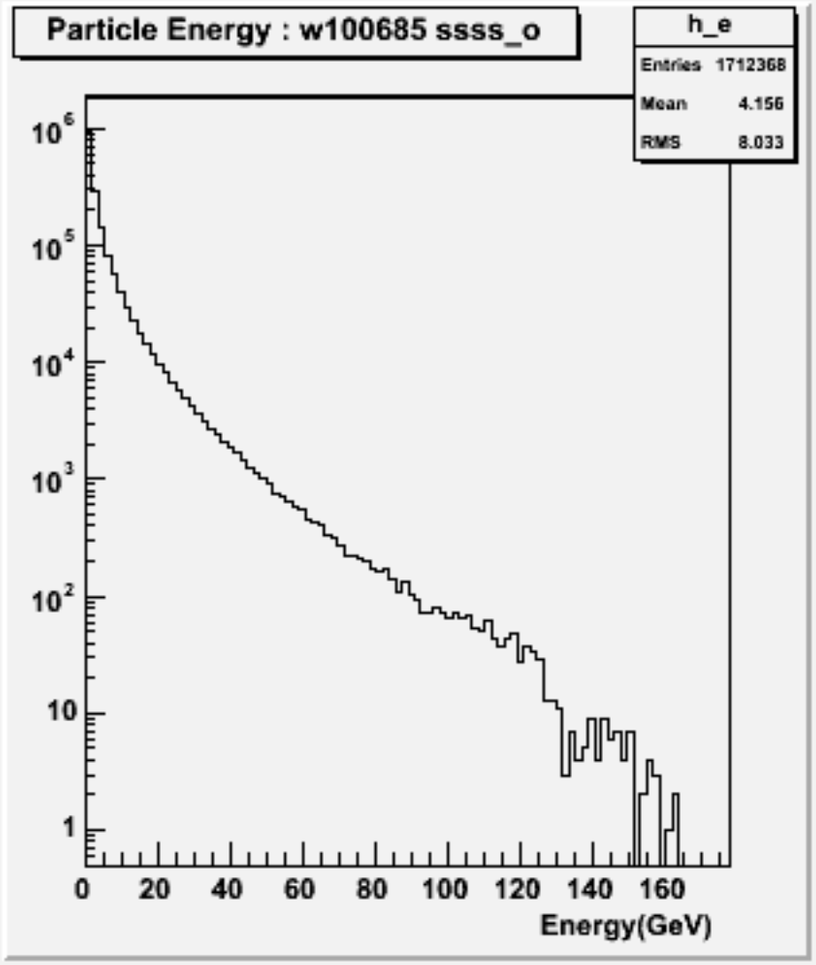

Ycut for 4-jets :w100684 ssss_o
h_yc4j
Entries 49728
Mean 0.02148
RMS 0.03481
ycut for forced 4-jets

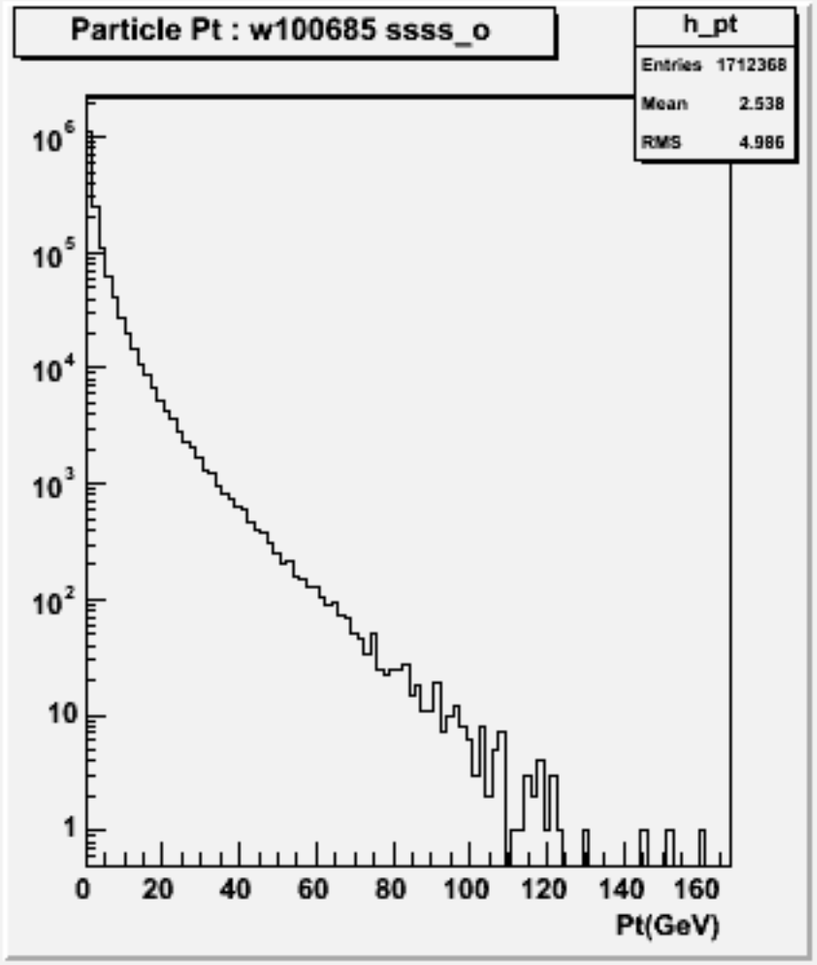

Jet energies(All jets)w100684 ssss_o
ha_j0e
Entries 198912
Mean 85.21
RMS 48
E(Jet)

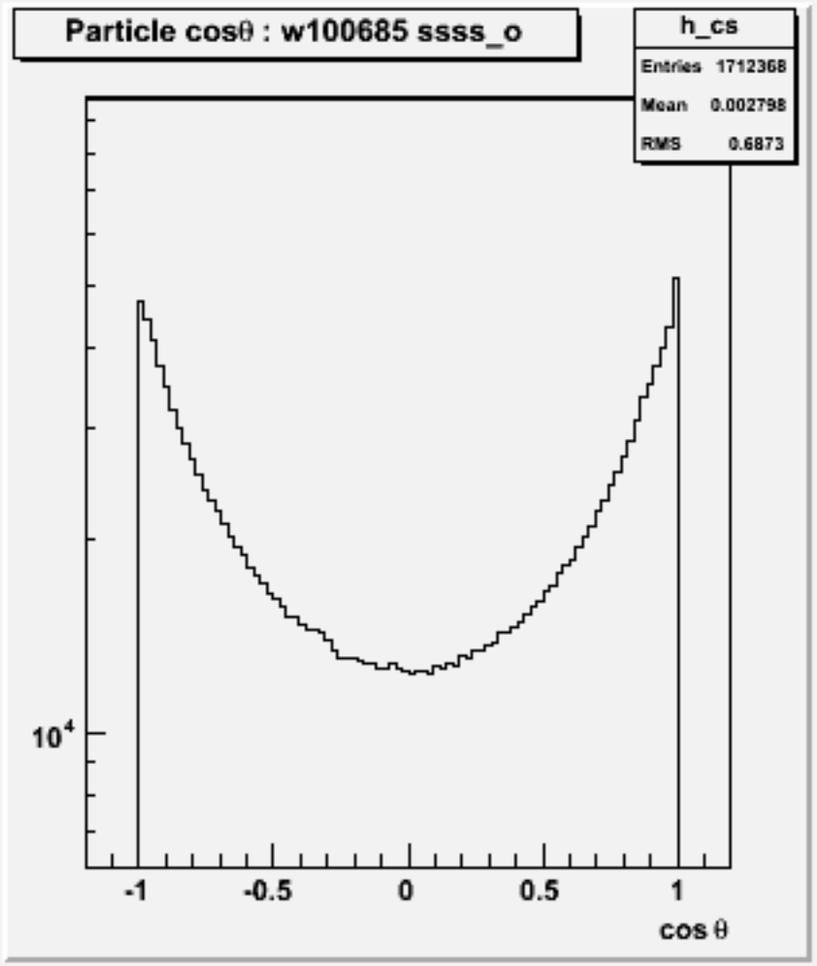

Jet cosθ (All jets)w100684 ssss_o
ha_j0cs
Entries 198912
Mean 0.07471
RMS 0.7225
cos θ

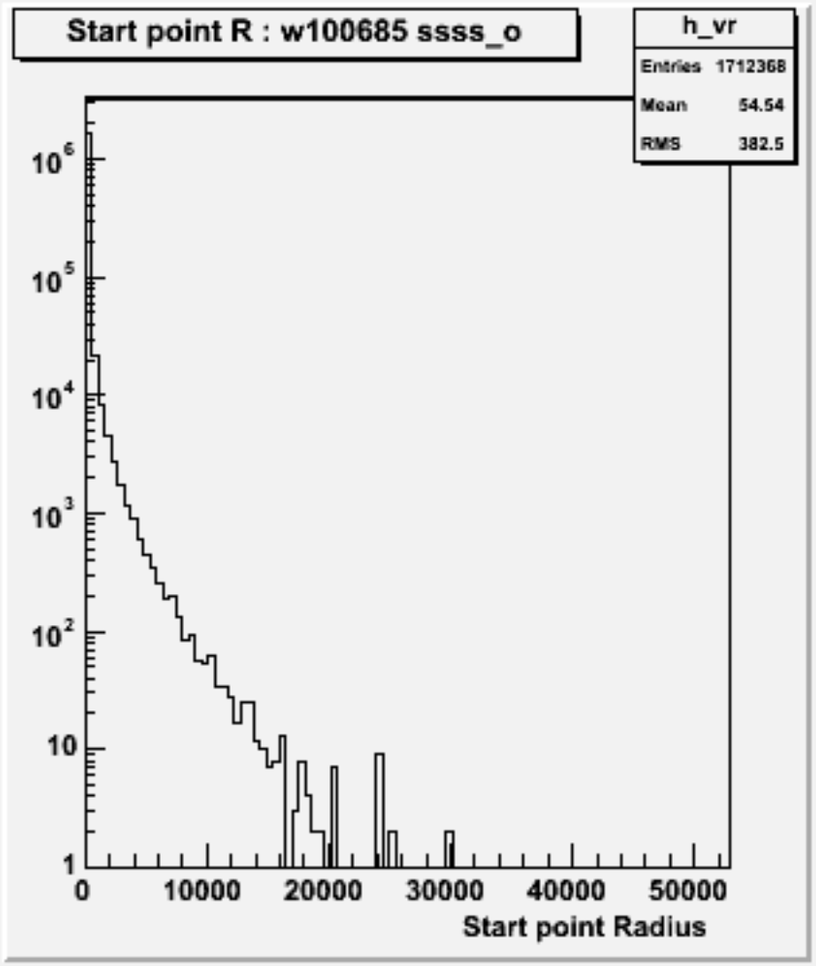

2jets mass(All comb)w100684 ssss_o
ha_m01
Entries 298368
Mean 127.1
RMS 72.26
M(J_iJ_k) (GeV)

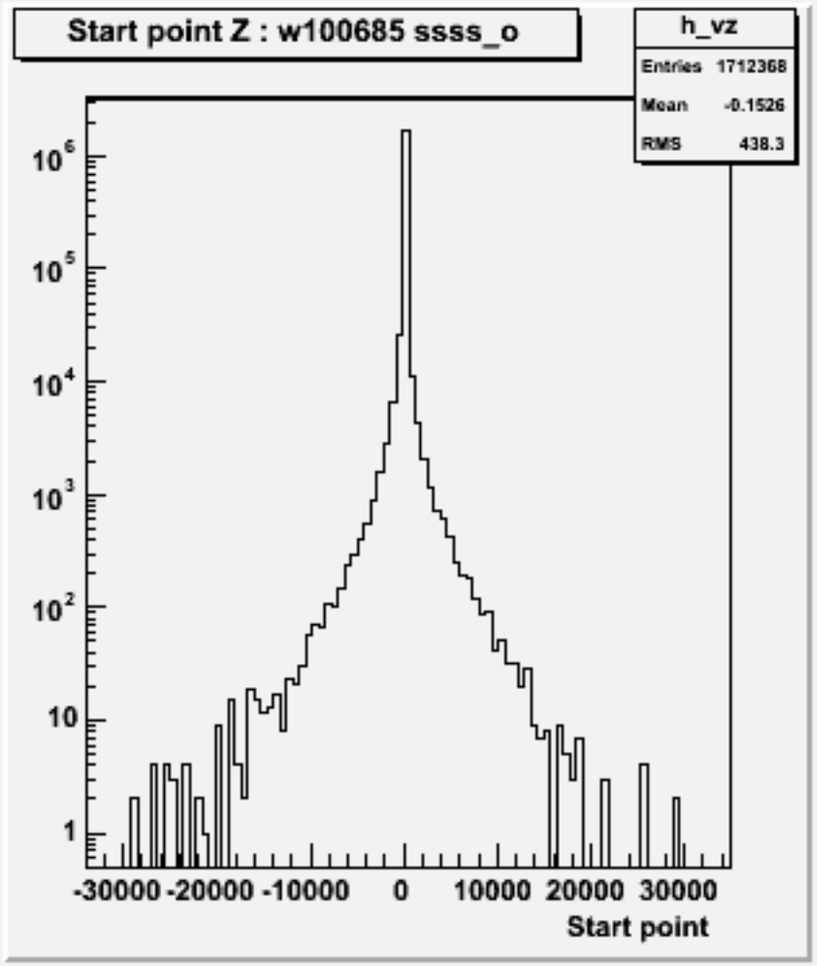

Particle ID : w100685 ssss_o
h_id
Entries 1712368
Mean 14.11
RMS 551.5
Particle ID

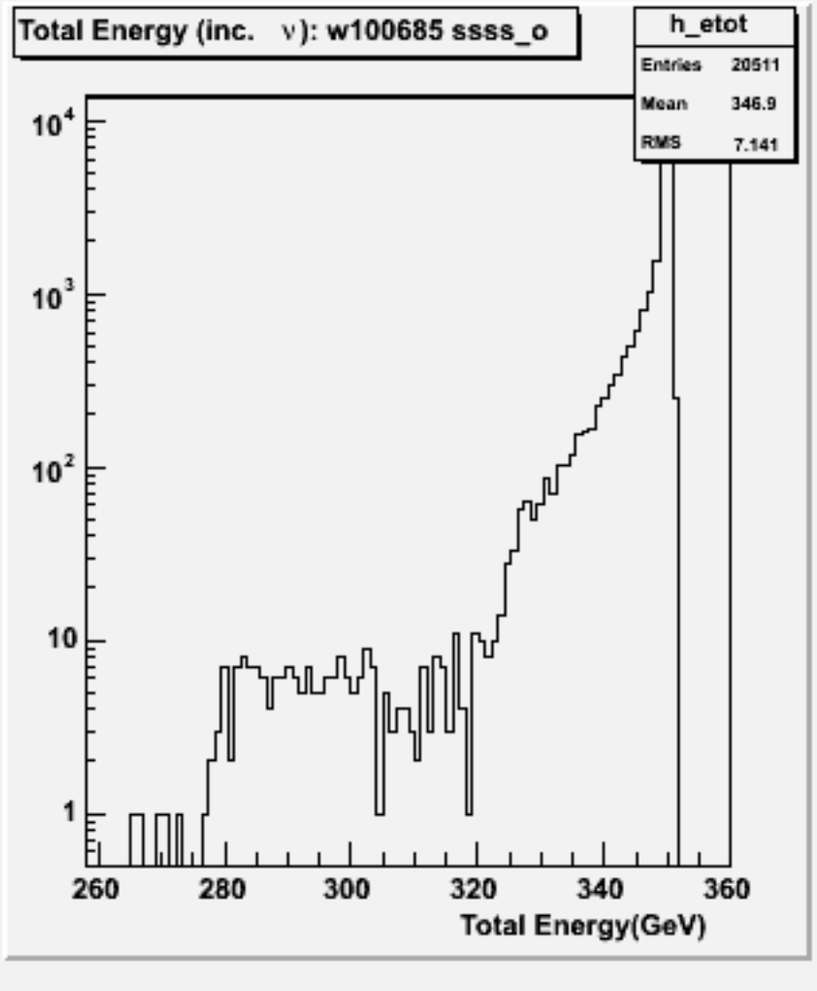

Particle Energy : w100685 ssss_o
h_e
Entries 1712368
Mean 4.156
RMS 8.033
Energy(GeV)

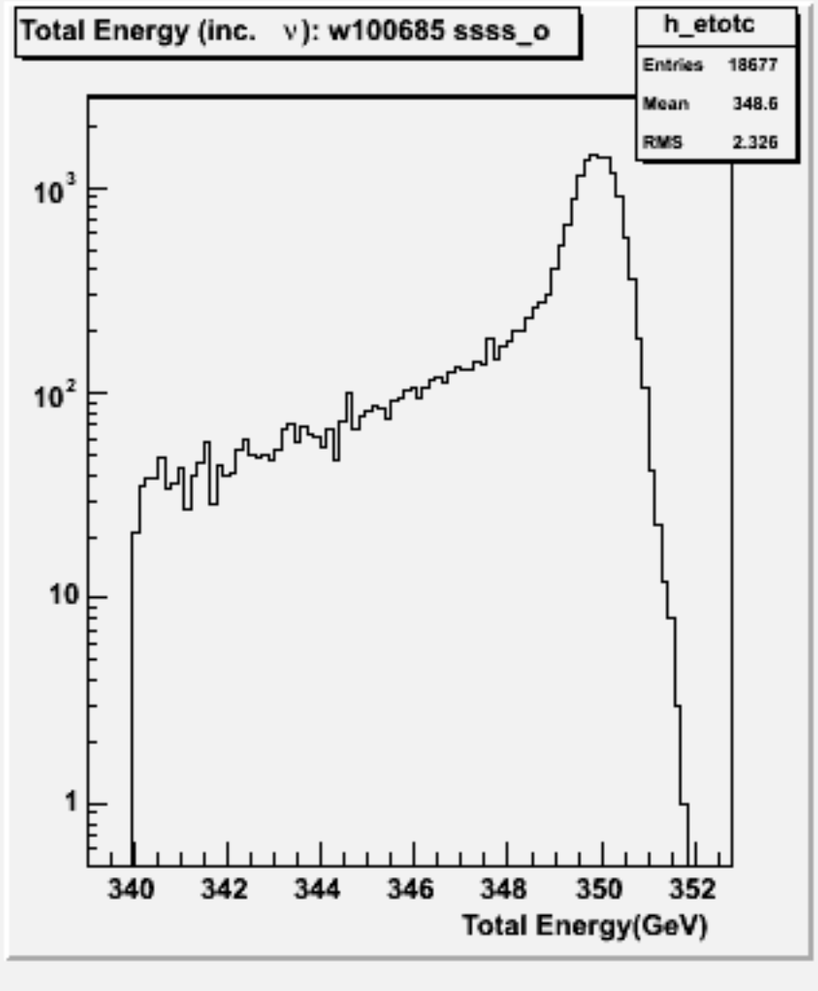

Particle Pt : w100685 ssss_o
h_pt
Entries 1712368
Mean 2.538
RMS 4.986
Pt(GeV)

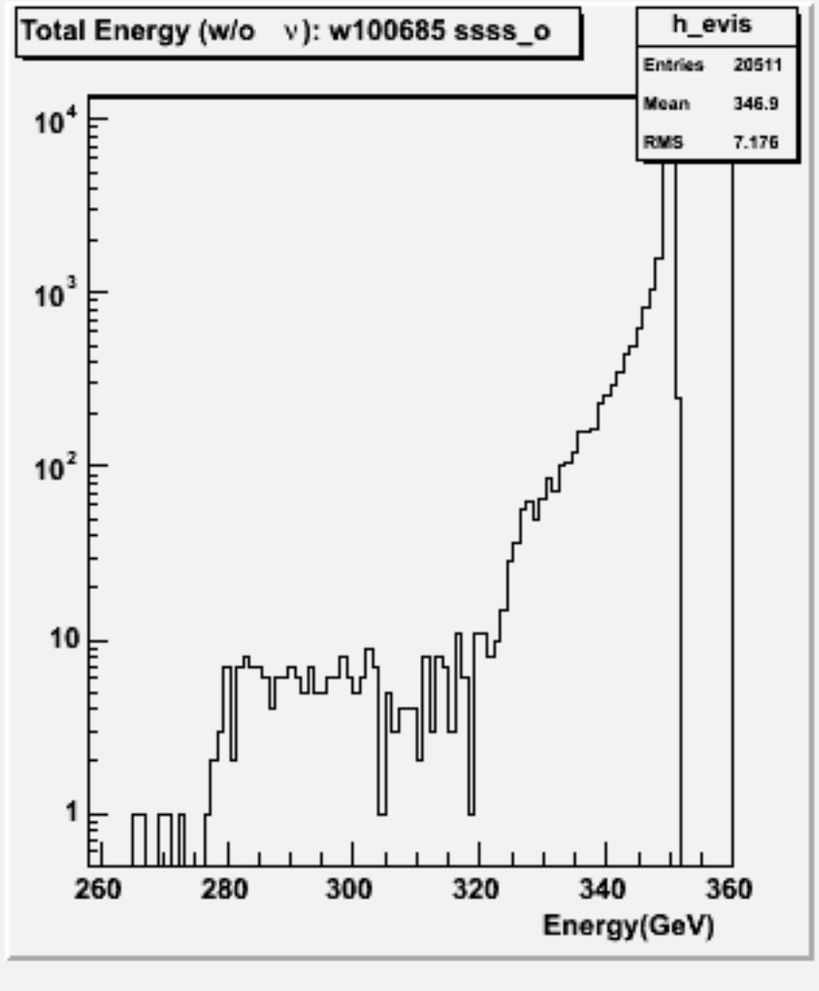

Particle cosθ : w100685 ssss_o
h_cs
Entries 1712368
Mean 0.002798
RMS 0.6873
cos θ

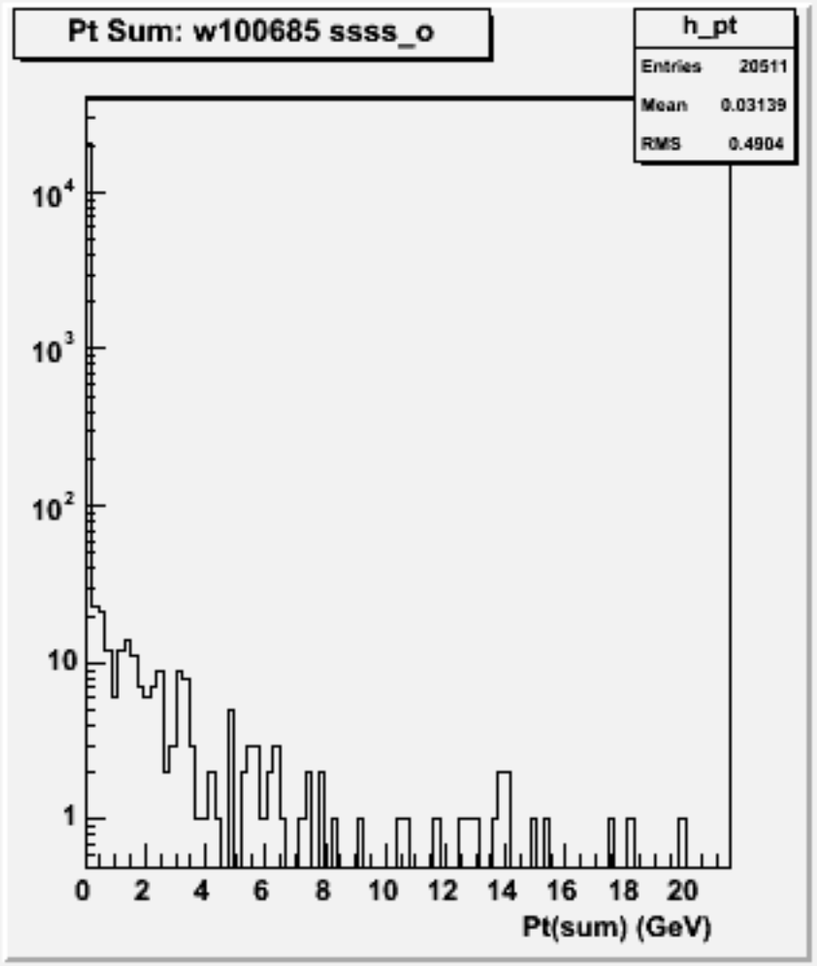

Start point R : w100685 ssss_o
h_vr
Entries 1712368
Mean 54.54
RMS 382.5
Start point Radius

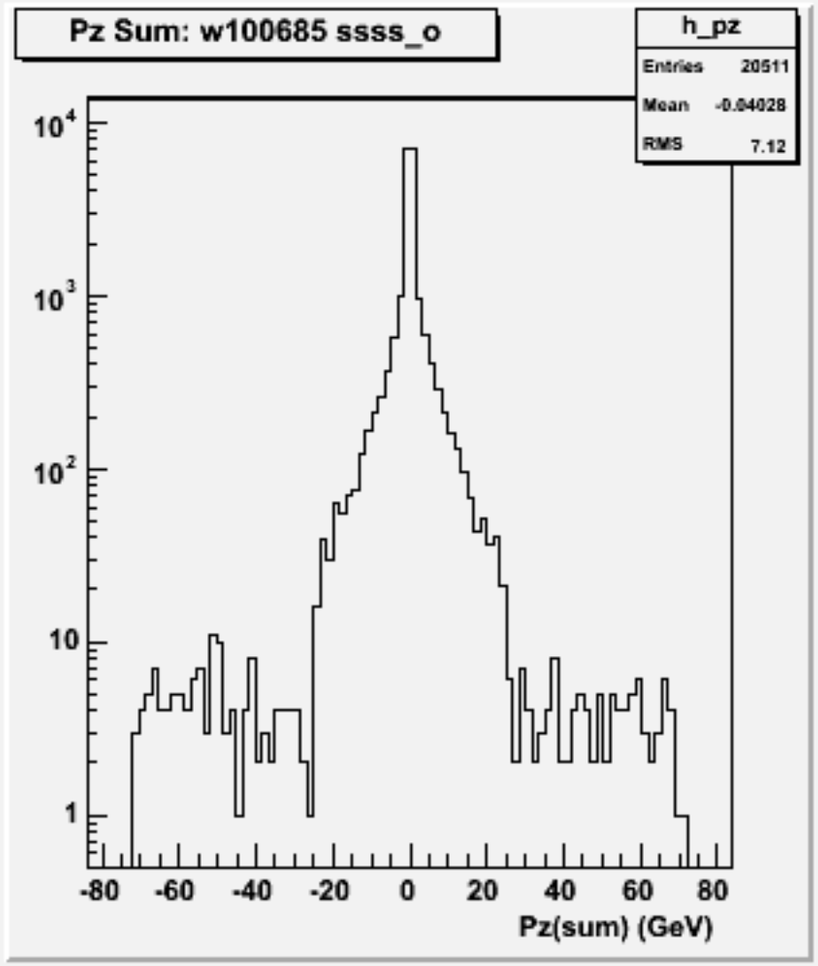

Start point Z : w100685 ssss_o
h_vz
Entries 1712368
Mean -0.1526
RMS 438.3
Start point

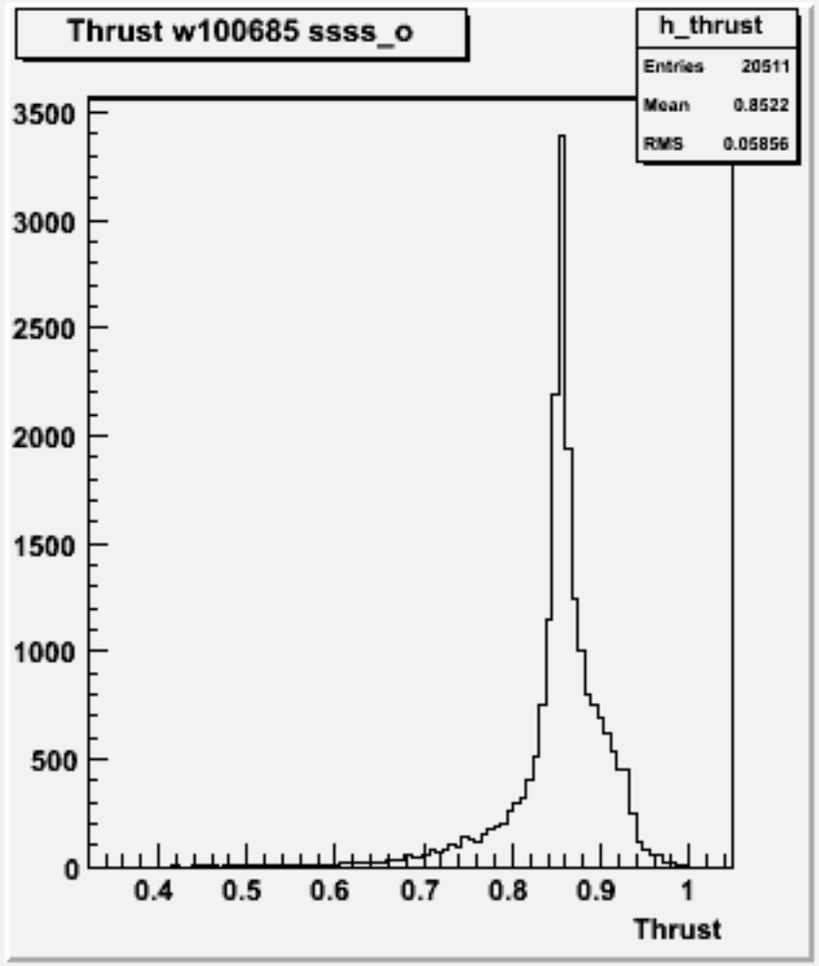

Total Energy (inc. ν): w100685 ssss_o
h_etot
Entries 20511
Mean 346.9
RMS 7.141
Total Energy(GeV)

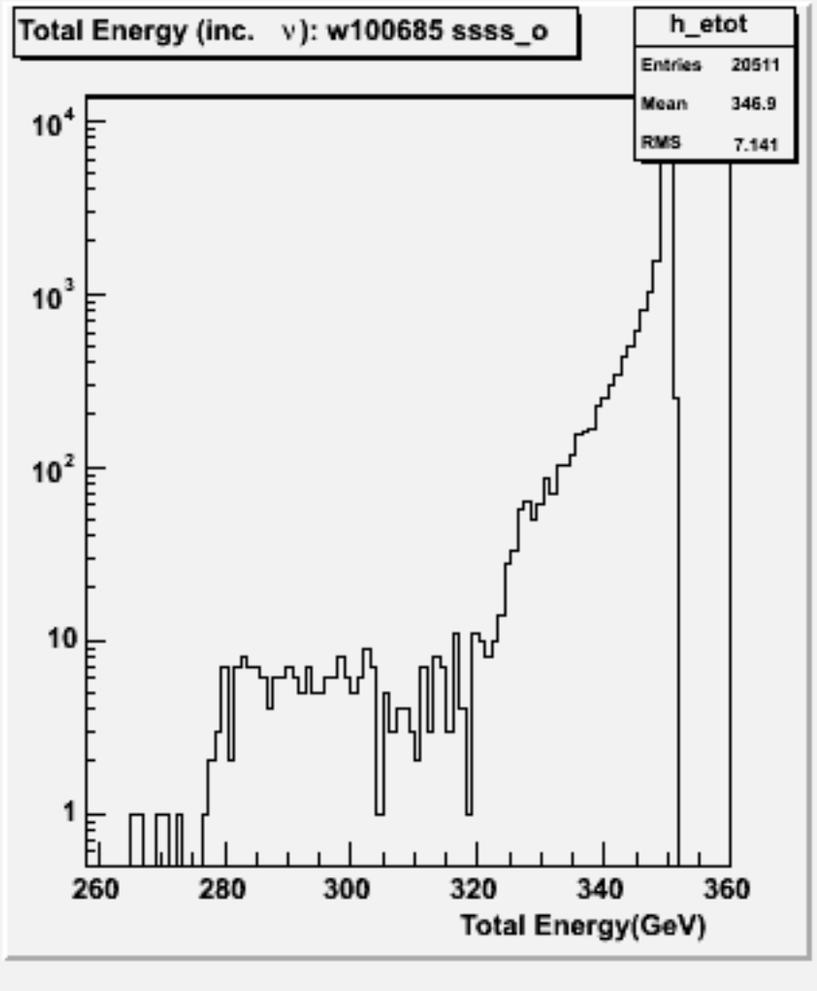

Total Energy (inc. ν): w100685 ssss_o
h_etotc
Entries 18677
Mean 348.6
RMS 2.326
Total Energy(GeV)

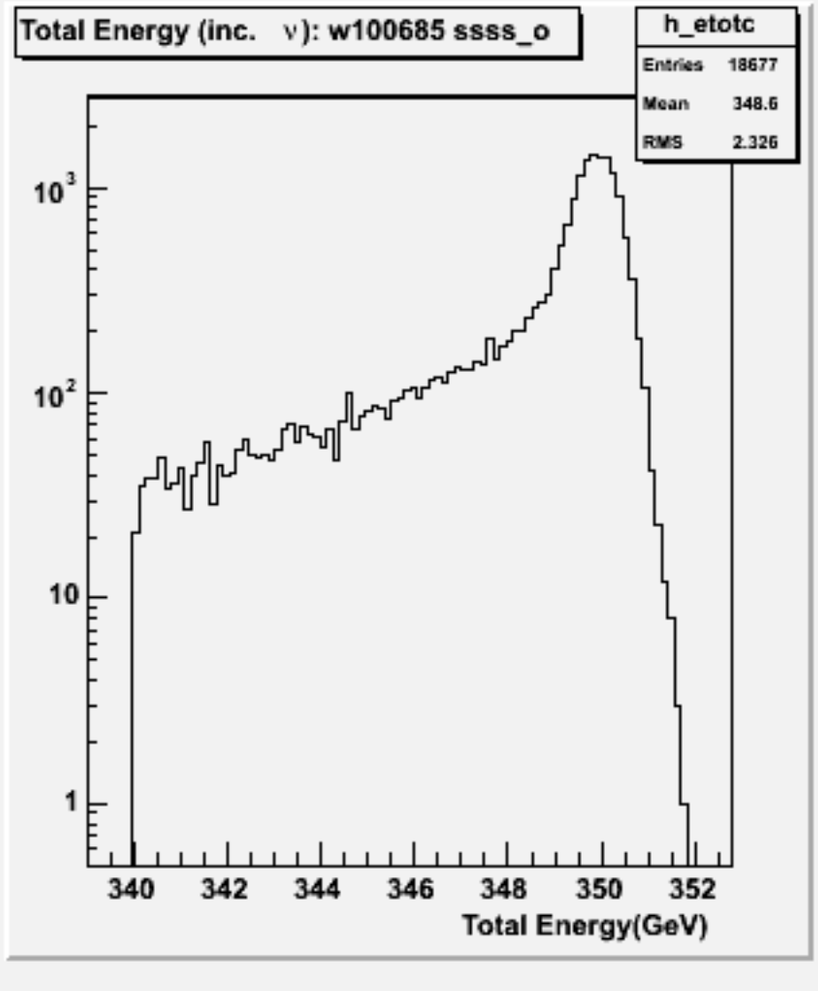

Total Energy (w/o ν): w100685 ssss_o
h_evis
Entries 20511
Mean 346.9
RMS 7.176
Energy(GeV)

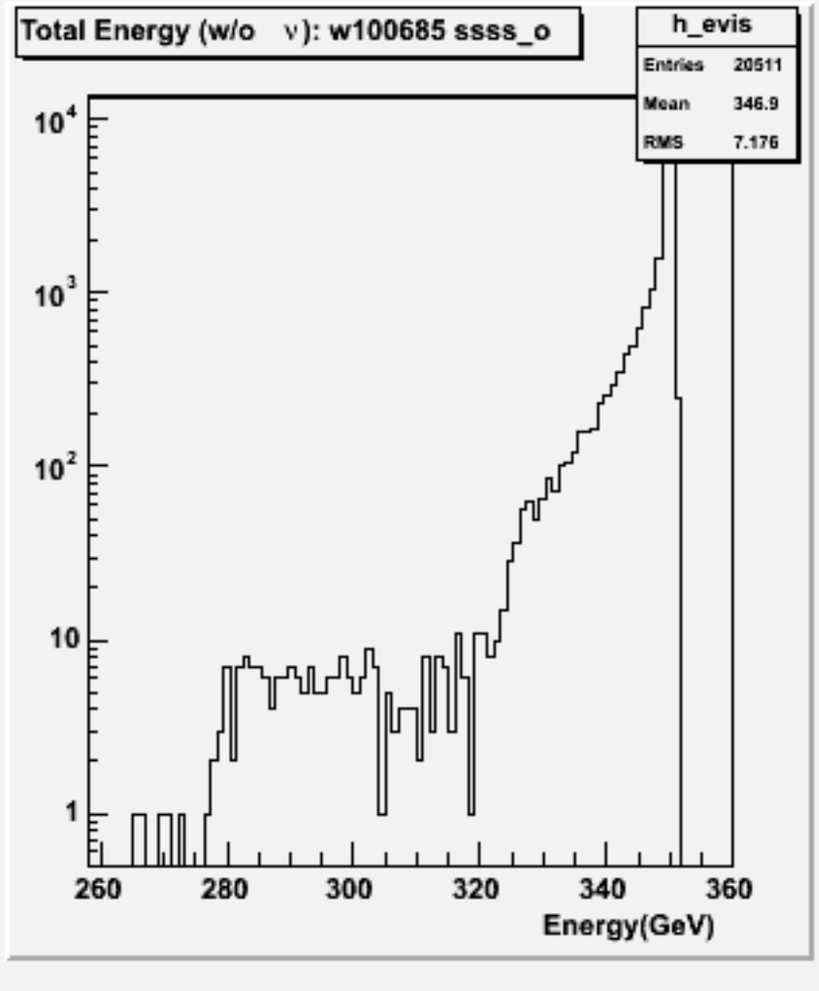

Pt Sum: w100685 ssss_o
h_pt
Entries 20511
Mean 0.03139
RMS 0.4904
Pt(sum) (GeV)

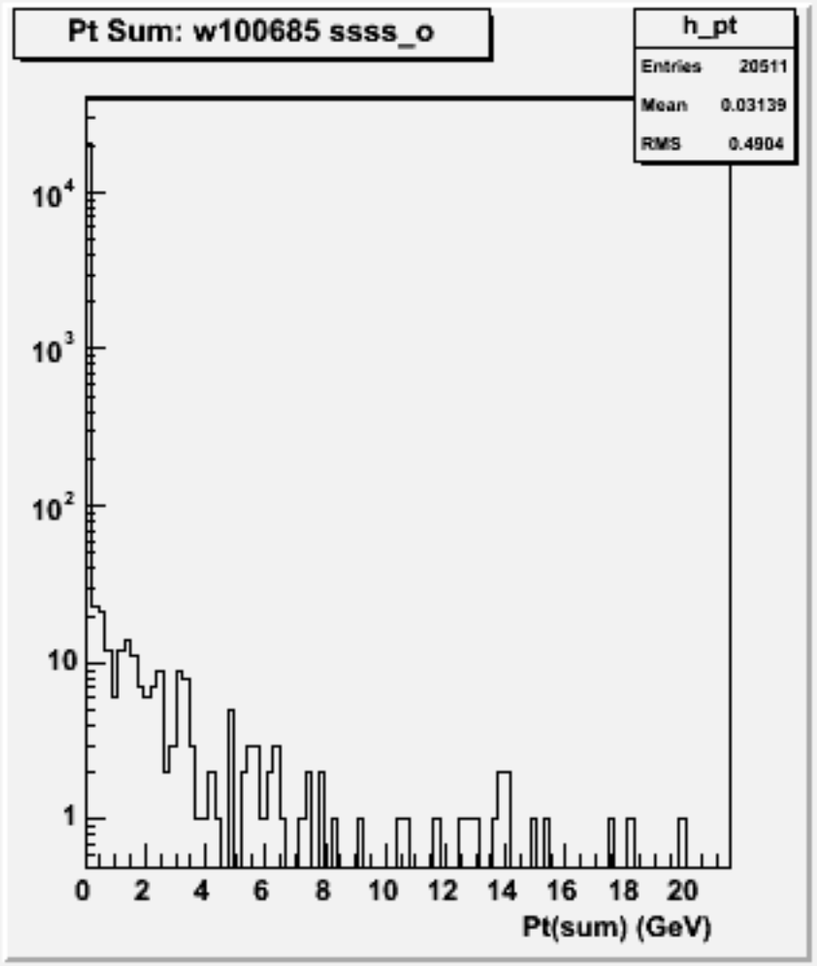

Pz Sum: w100685 ssss_o
h_pz
Entries 20511
Mean -0.04028
RMS 7.12
Pz(sum) (GeV)

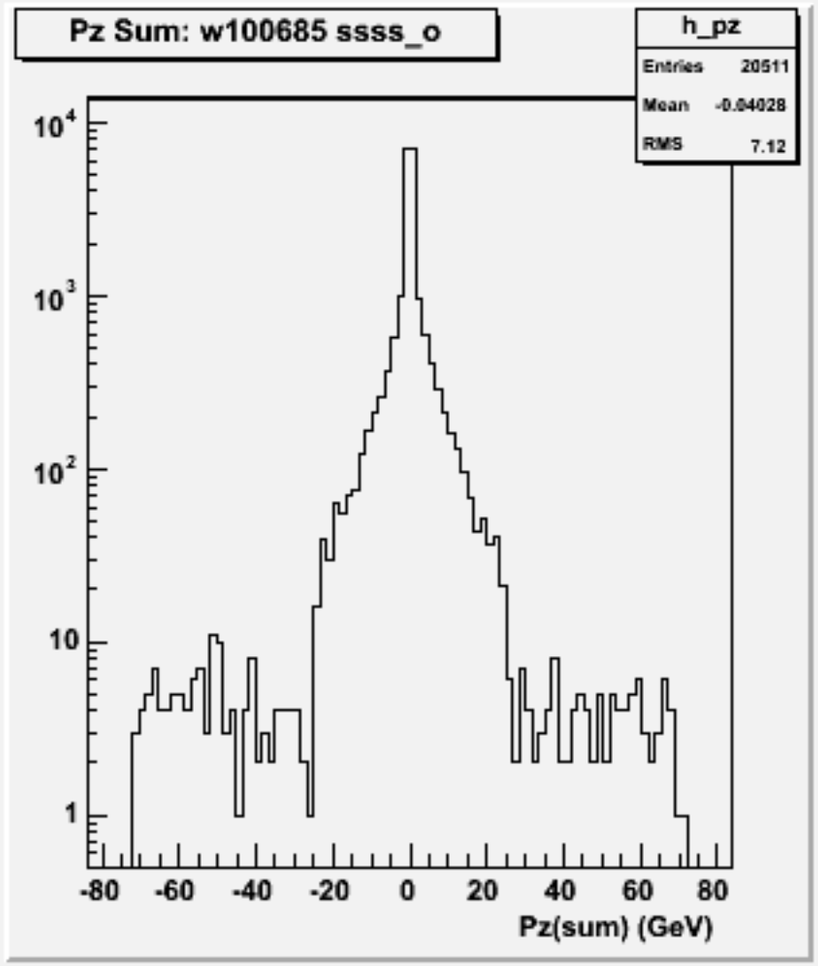

Thrust w100685 ssss_o
h_thrust
Entries 20511
Mean 0.8522
RMS 0.05856
Thrust

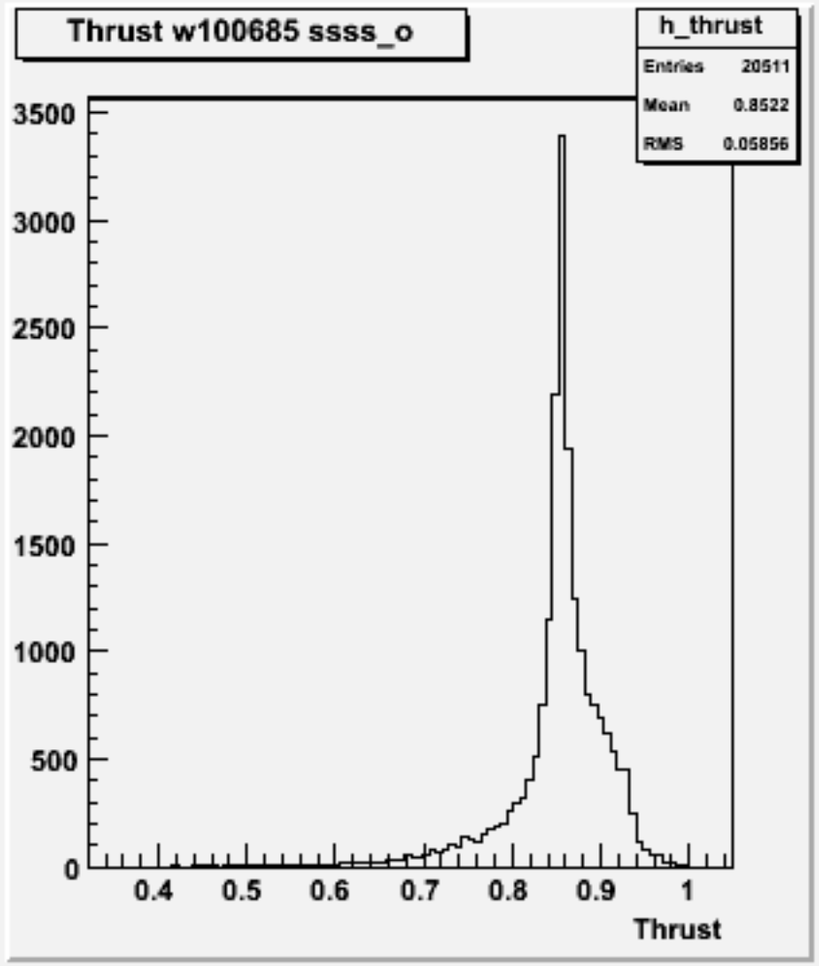

Total Energy (inc. ν): w100685 ssss_o
h_etot
Entries 20511
Mean 346.9
RMS 7.141
Total Energy(GeV)

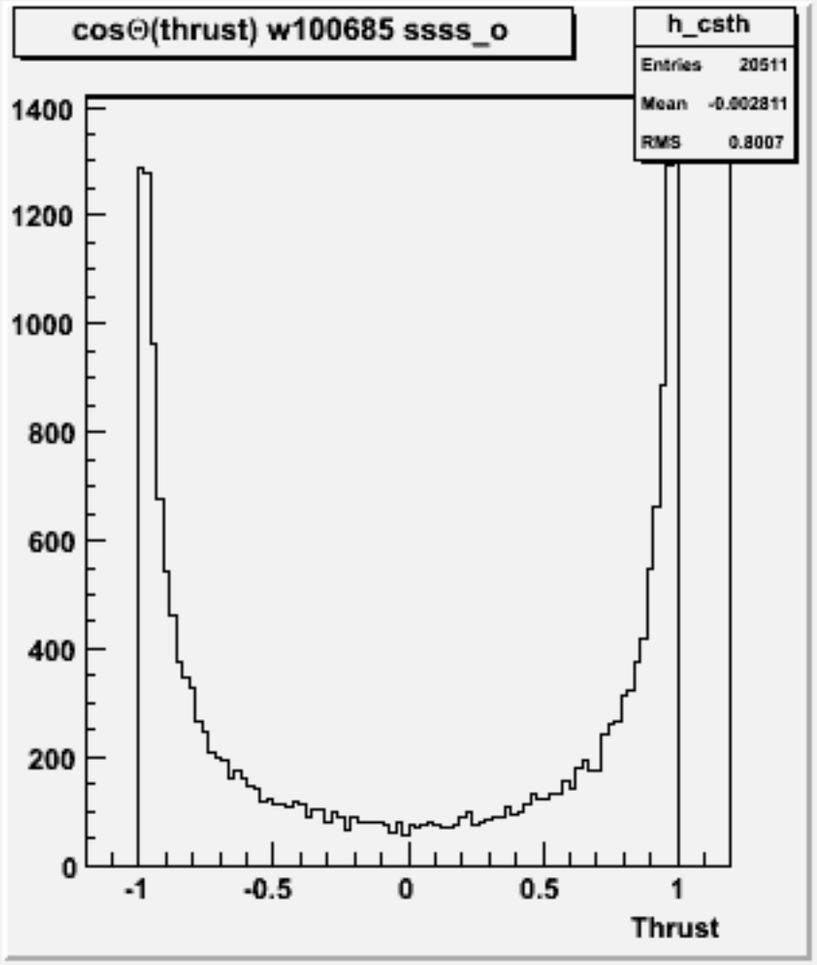

Total Energy (inc. ν): w100685 ssss_o
h_etotc
Entries 18677
Mean 348.6
RMS 2.326
Total Energy(GeV)

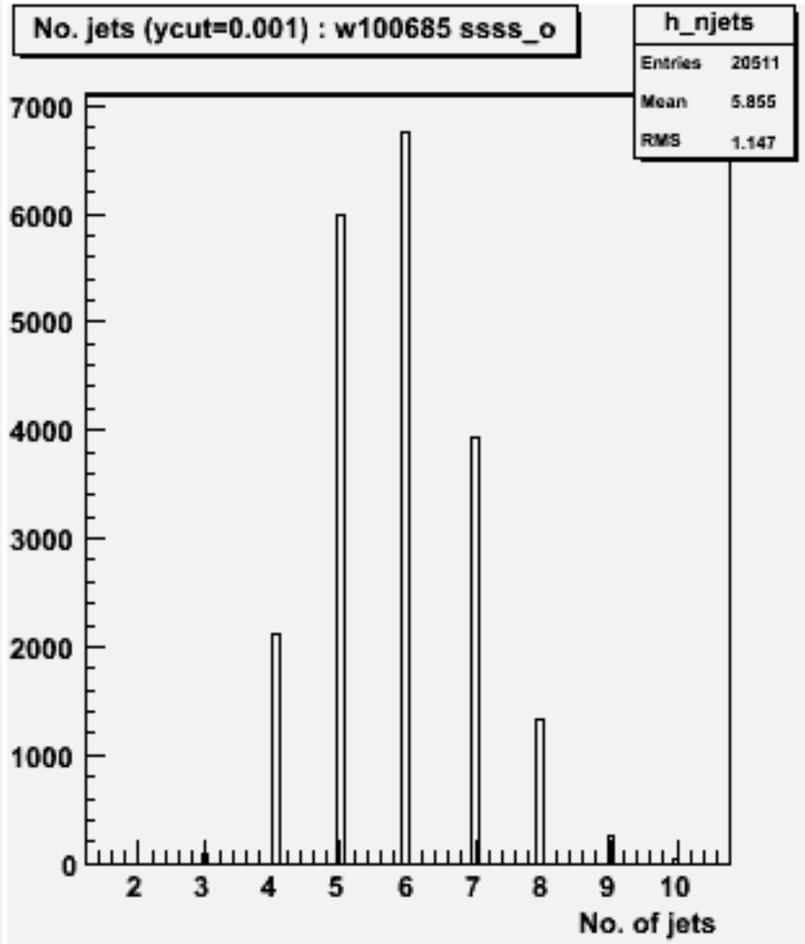

Total Energy (w/o ν): w100685 ssss_o
h_evis
Entries 20511
Mean 346.9
RMS 7.176
Energy(GeV)

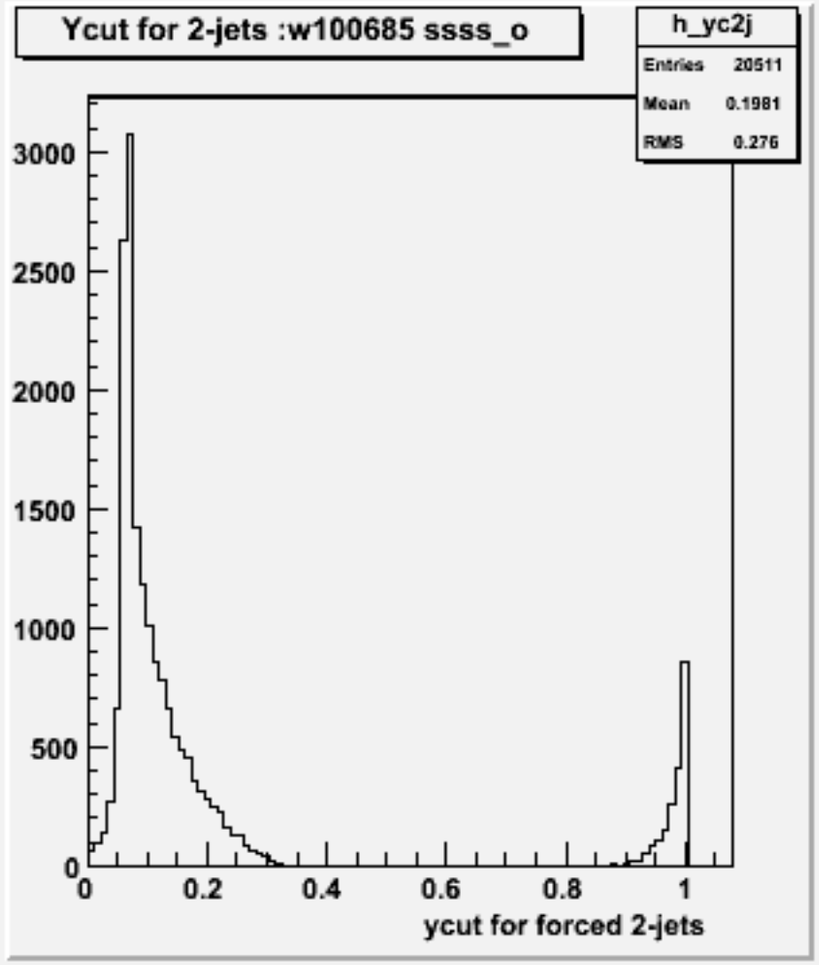

Pt Sum: w100685 ssss_o
h_pt
Entries 20511
Mean 0.03139
RMS 0.4904
Pt(sum) (GeV)

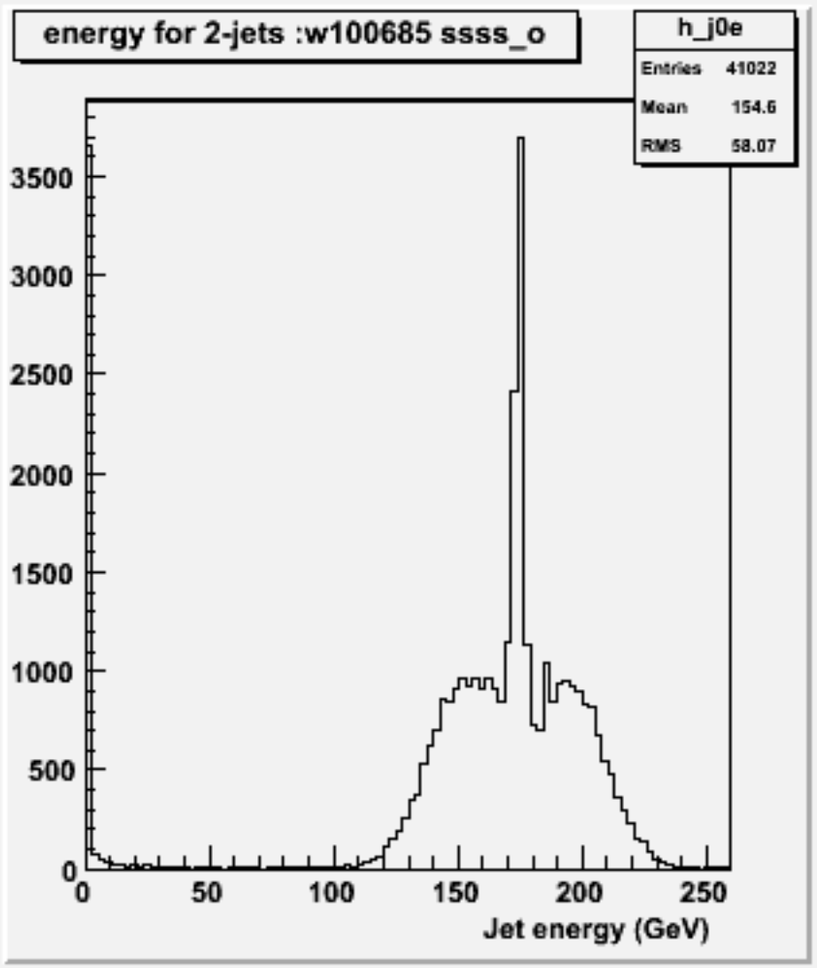

Pz Sum: w100685 ssss_o
h_pz
Entries 20511
Mean -0.04028
RMS 7.12
Pz(sum) (GeV)

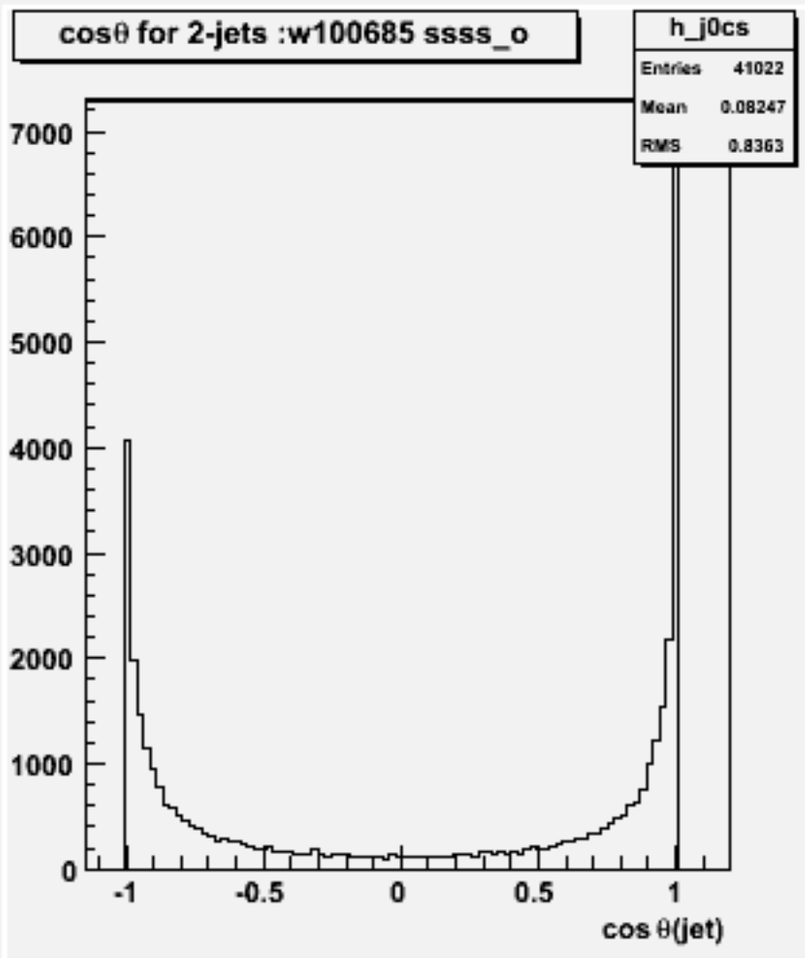

Thrust w100685 ssss_o
h_thrust
Entries 20511
Mean 0.8522
RMS 0.05856
Thrust

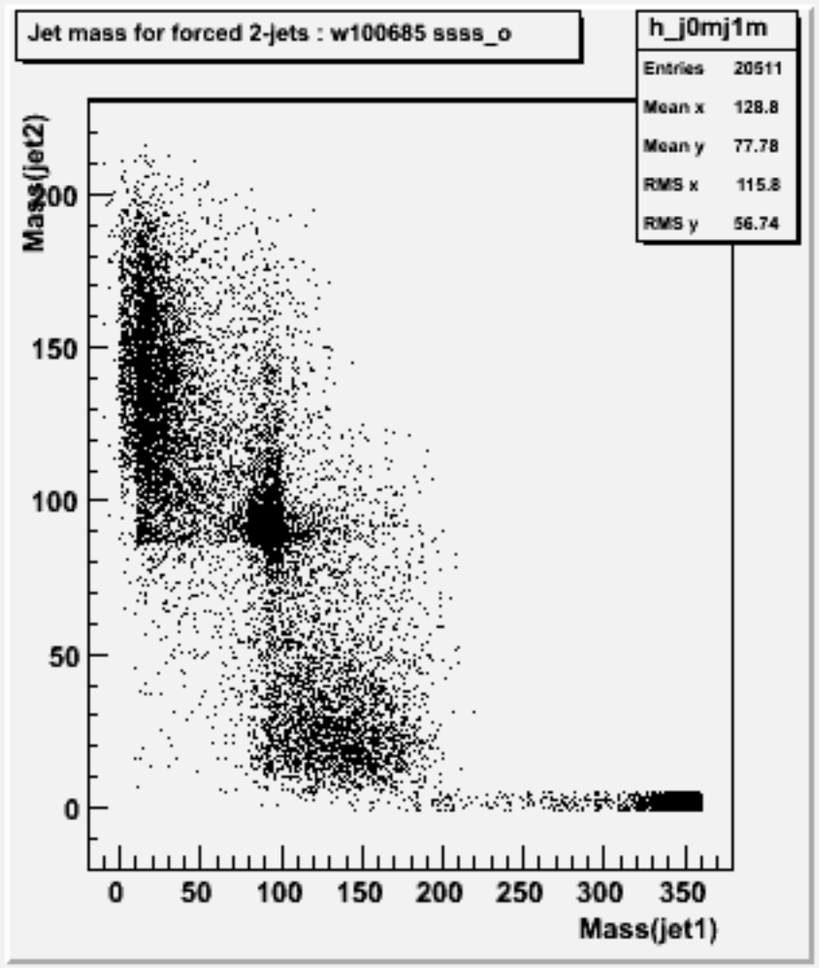

cosΘ(thrust) w100685 ssss_o
h_csth
Entries 20511
Mean -0.002811
RMS 0.8007
Thrust

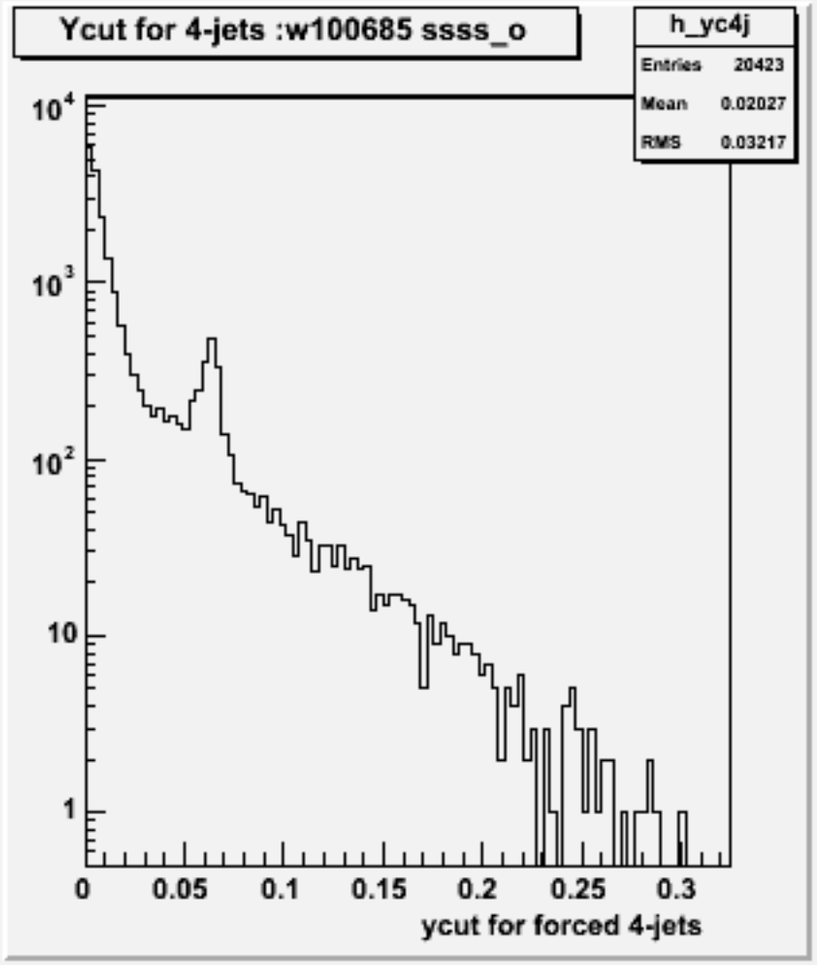

No. jets (ycut=0.001) : w100685 ssss_o
h_njets
Entries 20511
Mean 5.855
RMS 1.147
No. of jets

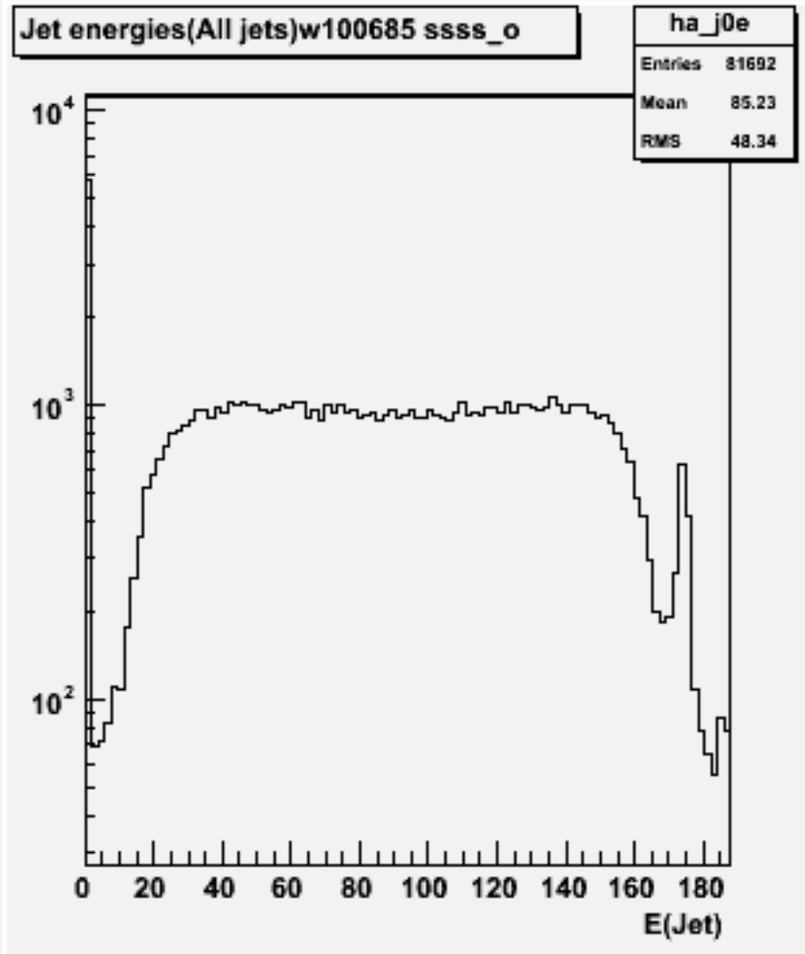

Ycut for 2-jets :w100685 ssss_o
h_yc2j
Entries 20511
Mean 0.1981
RMS 0.276
ycut for forced 2-jets

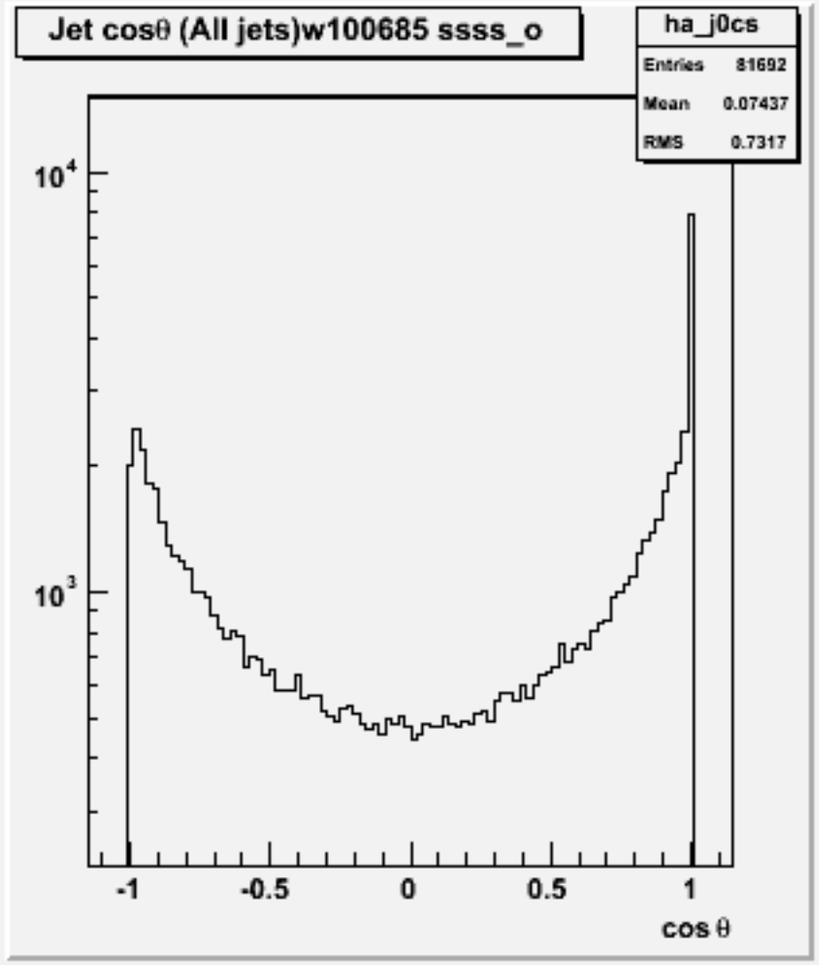

energy for 2-jets :w100685 ssss_o
h_j0e
Entries 41022
Mean 154.6
RMS 58.07
Jet energy (GeV)

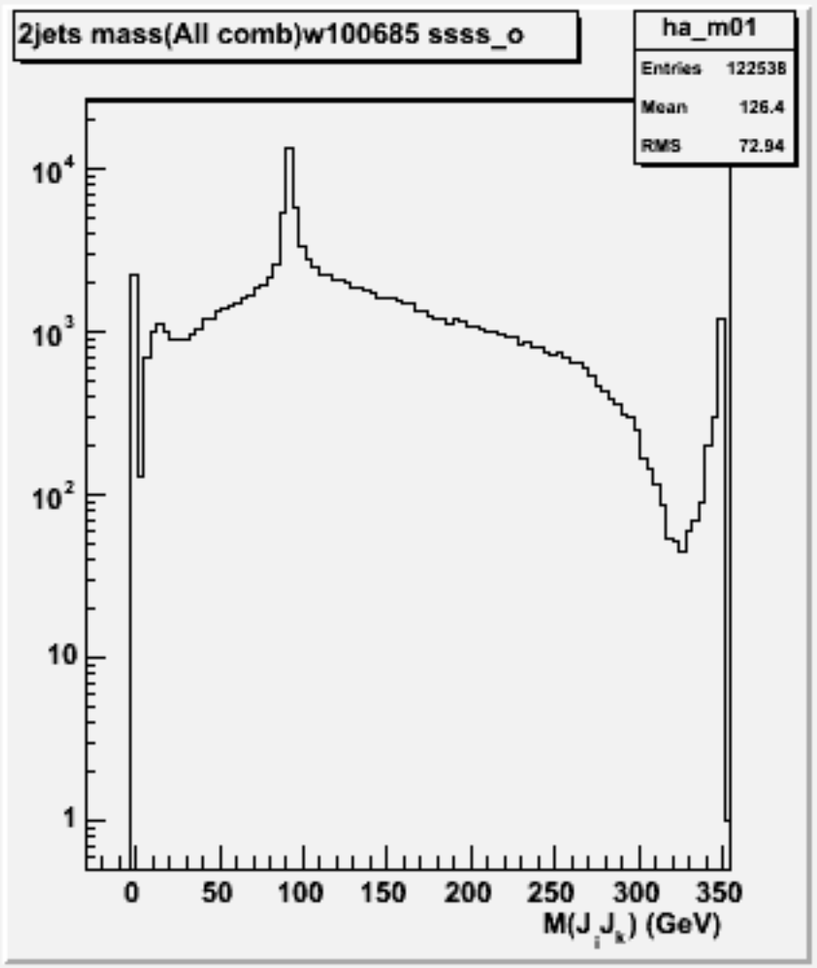

cosθ for 2-jets :w100685 ssss_o
h_j0cs
Entries 41022
Mean 0.08247
RMS 0.8363
cos θ(jet)

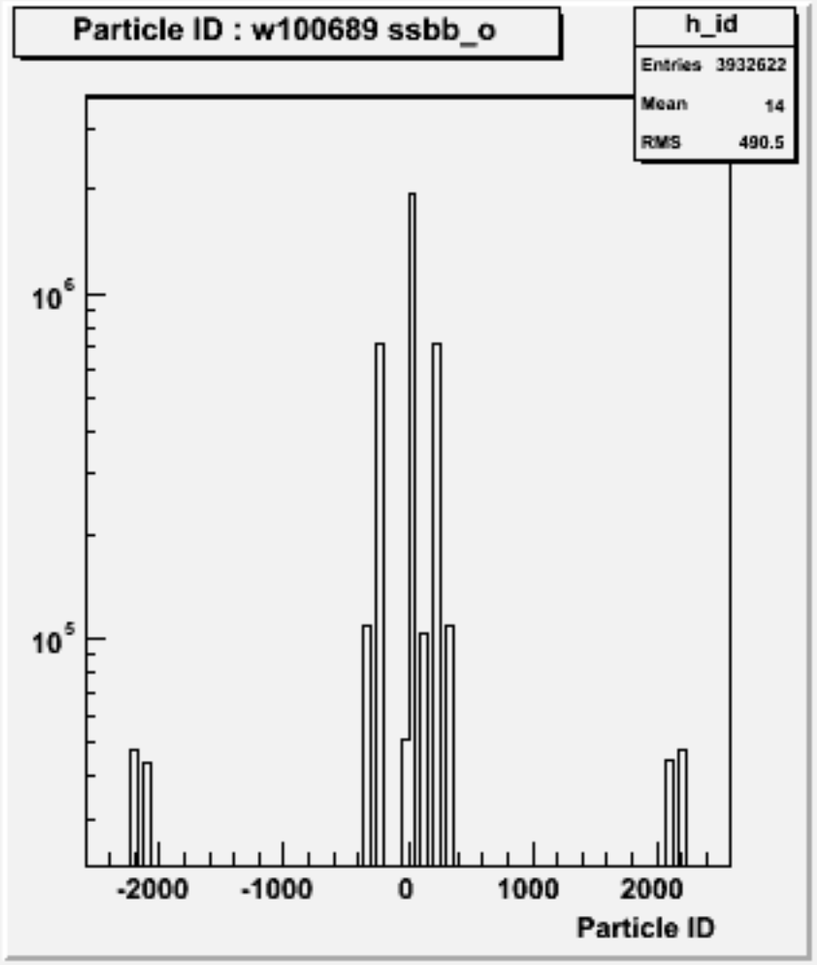

Jet mass for forced 2-jets : w100685 ssss_o
h_j0mj1m
Entries 20511
Mean x 128.8
Mean y 77.78
RMS x 115.8
RMS y 56.74
Mass(jet2)
Mass(jet1)

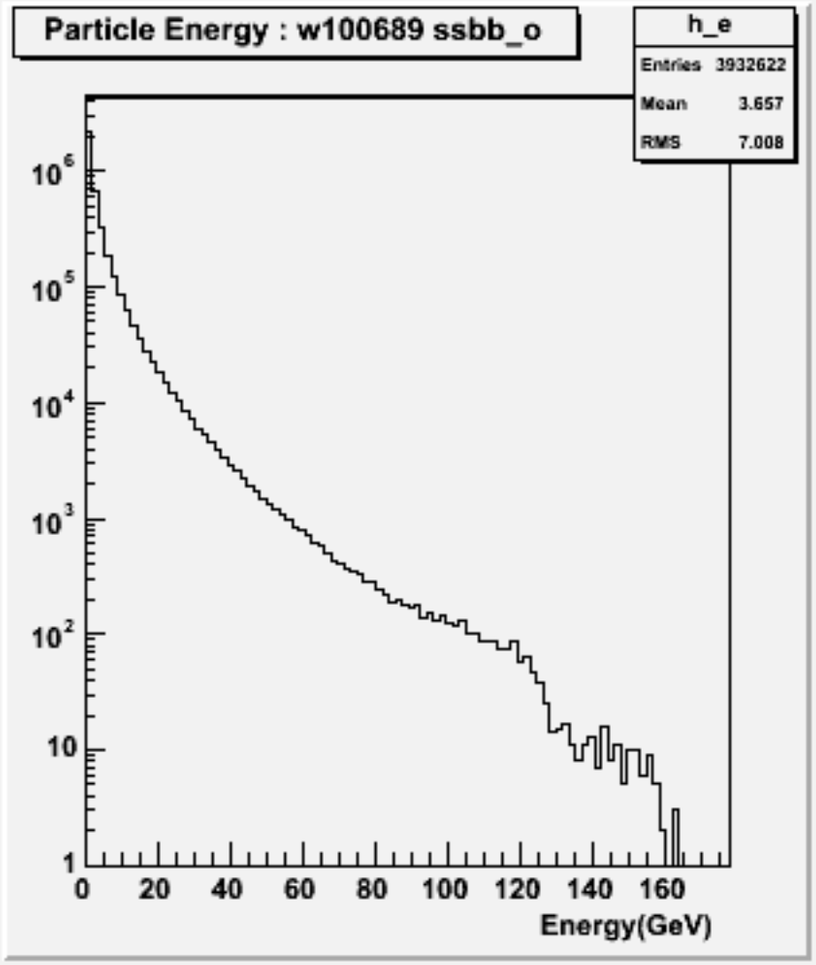

Ycut for 4-jets :w100685 ssss_o
h_yc4j
Entries 20423
Mean 0.02027
RMS 0.03217
ycut for forced 4-jets

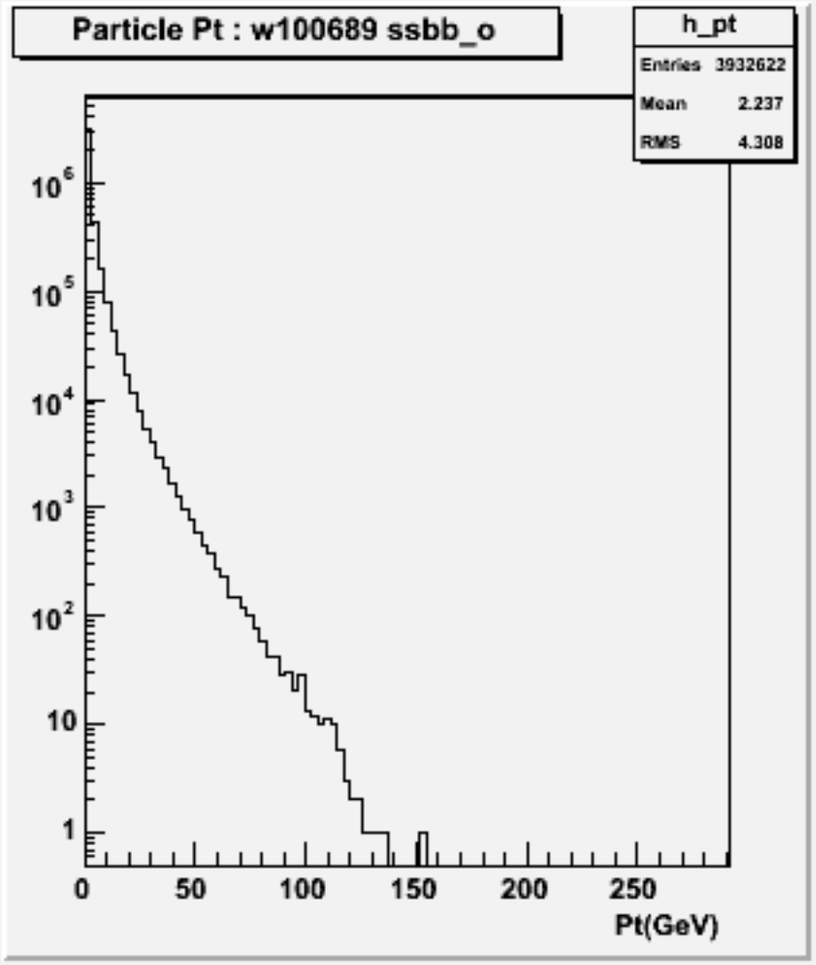

Jet energies(All jets)w100685 ssss_o
ha_j0e
Entries 81692
Mean 85.23
RMS 48.34
E(Jet)

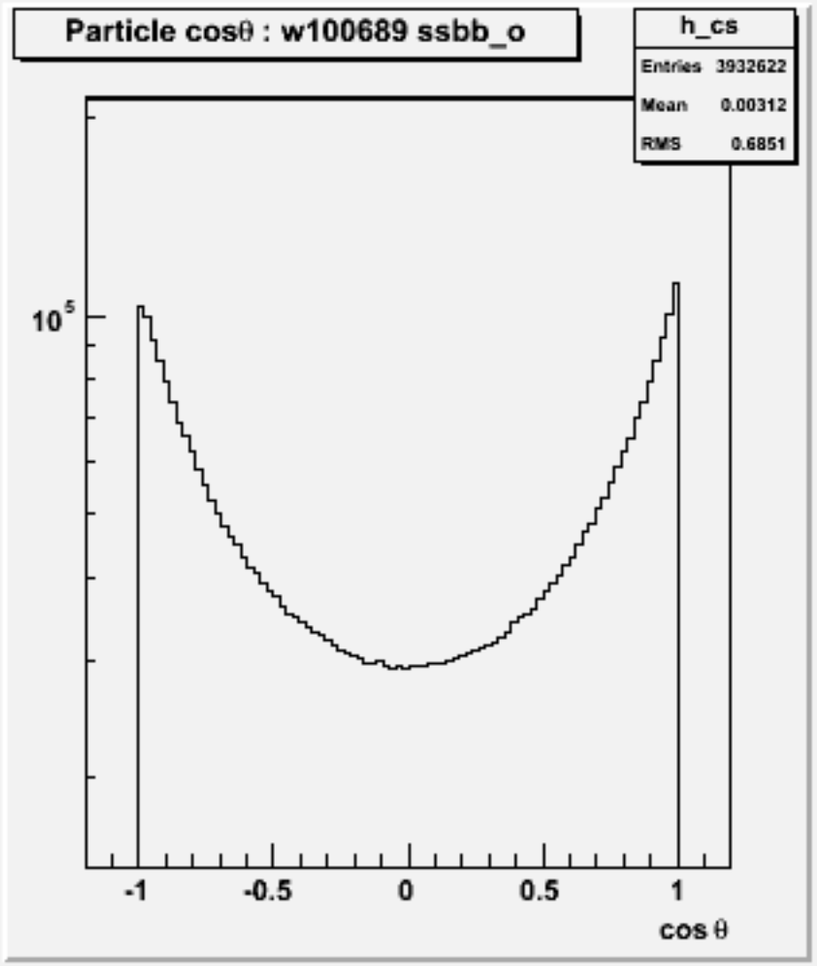

Jet cosθ (All jets)w100685 ssss_o
ha_j0cs
Entries 81692
Mean 0.07437
RMS 0.7317
cos θ

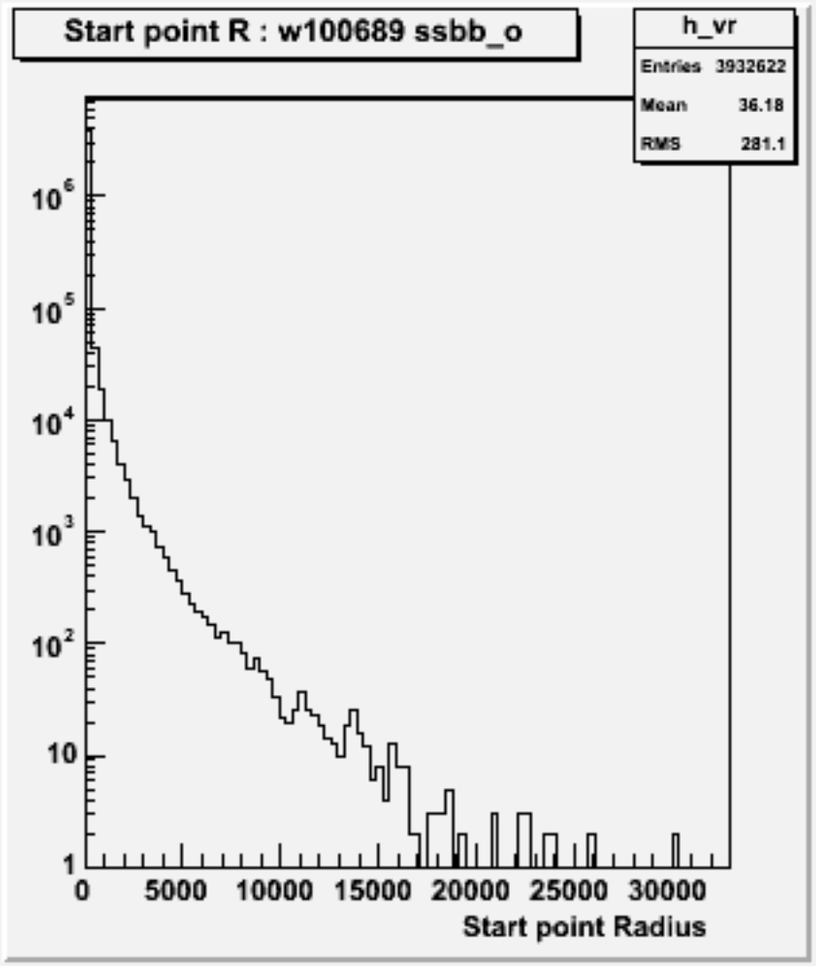

2jets mass(All comb)w100685 ssss_o
ha_m01
Entries 122538
Mean 126.4
RMS 72.94
M(J_iJ_k) (GeV)

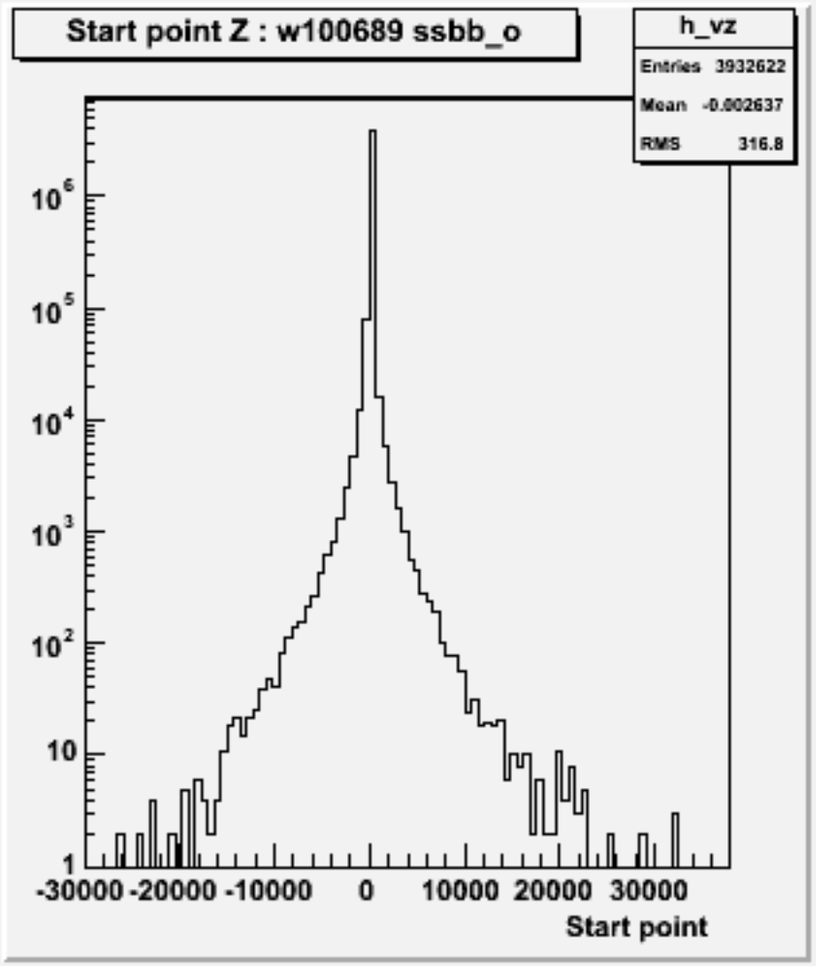

Particle ID : w100689 ssbb_o
h_id
Entries 3932622
Mean 14
RMS 490.5
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

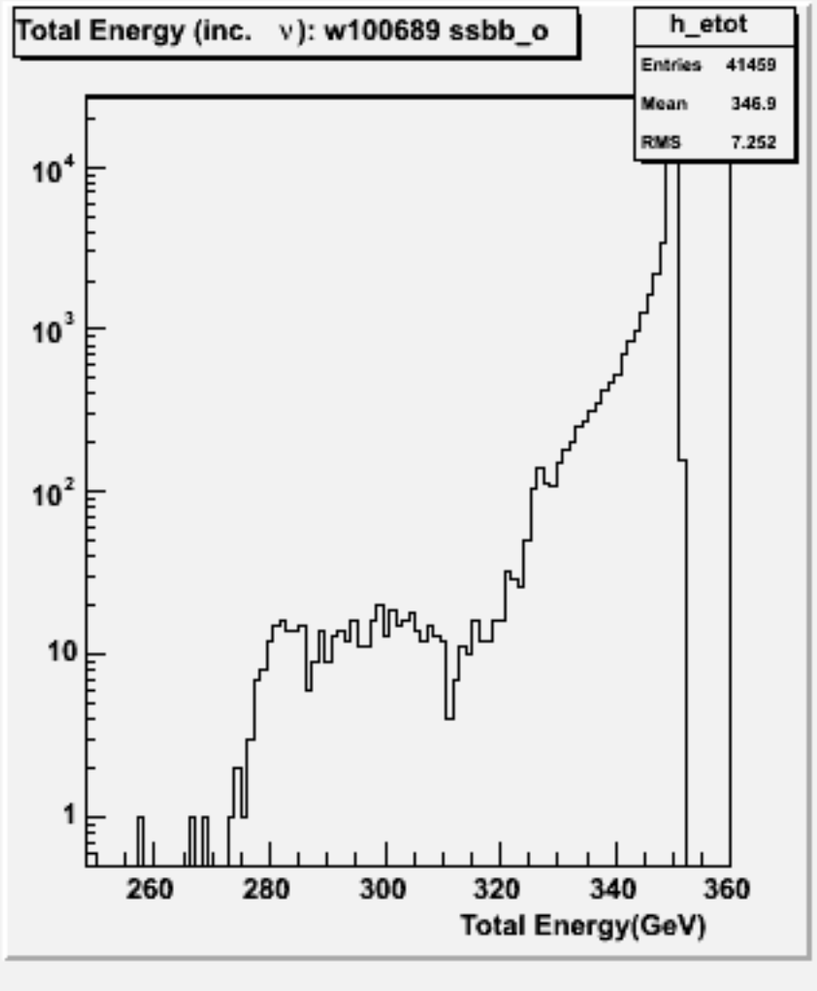

Particle Energy : w100689 ssbb_o
h_e
Entries 3932622
Mean 3.657
RMS 7.008
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

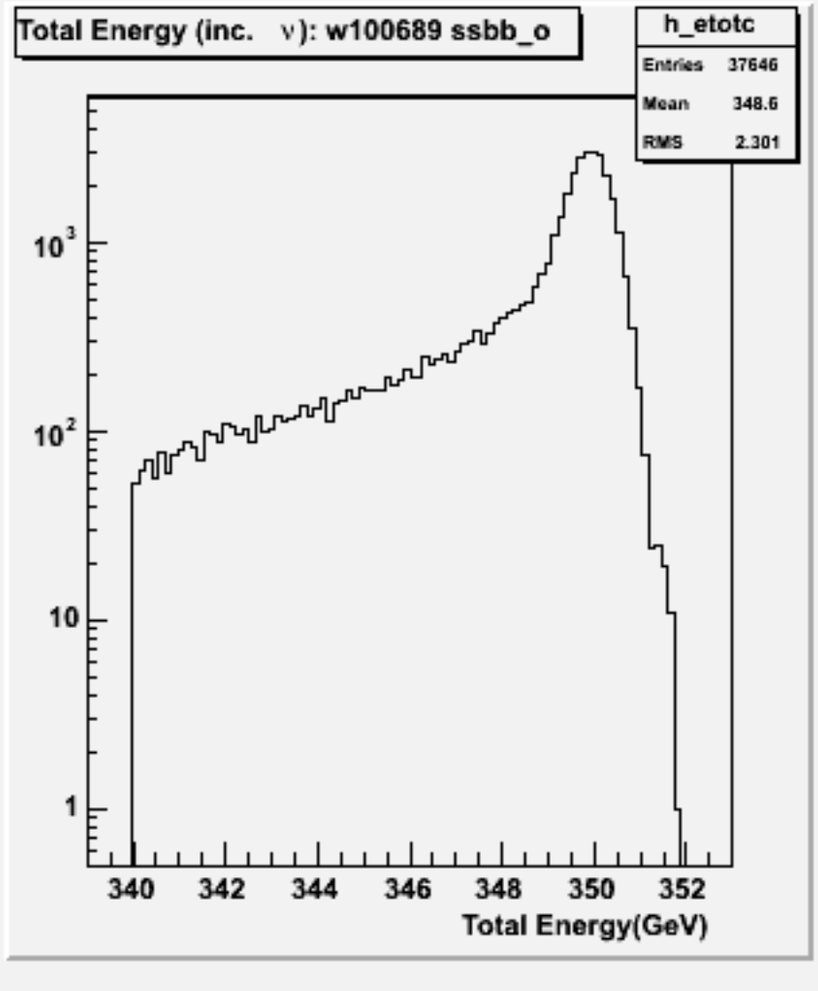

Particle Pt : w100689 ssbb_o
h_pt
Entries 3932622
Mean 2.237
RMS 4.308
10^6
10^5
10^4
10^3
10^2
10
1
0
50
100
150
200
250
Pt(GeV)

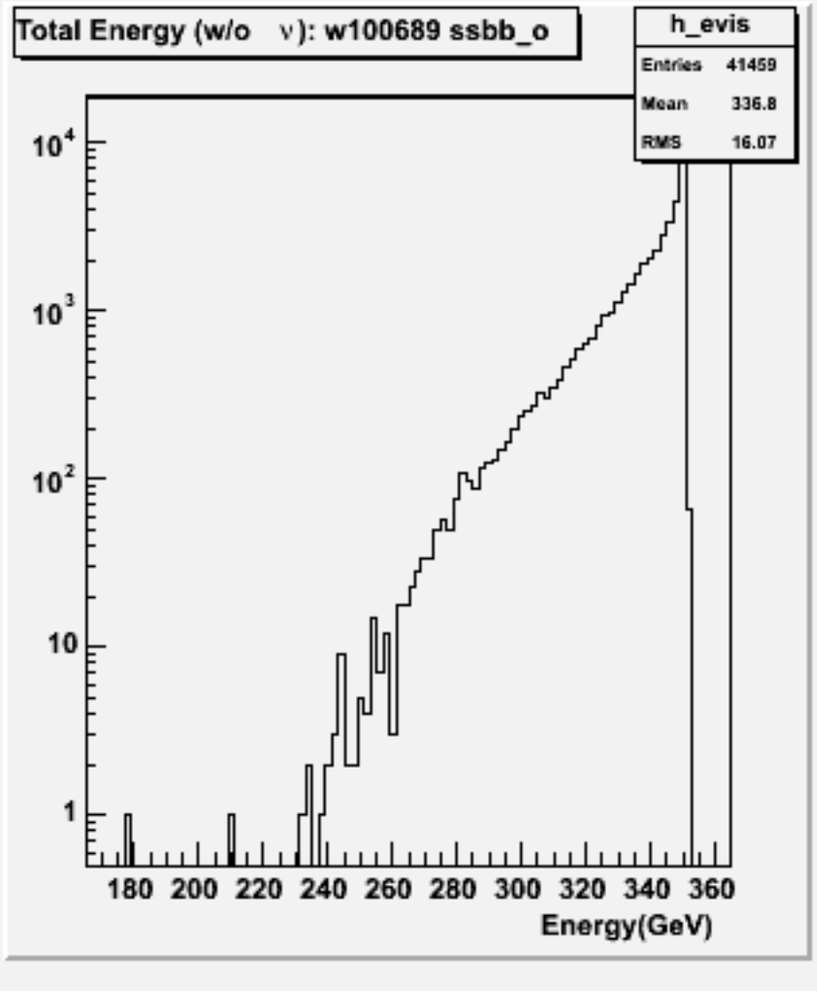

Particle cosθ : w100689 ssbb_o
h_cs
Entries 3932622
Mean 0.00312
RMS 0.6851
10^5
-1
-0.5
0
0.5
1
cos θ

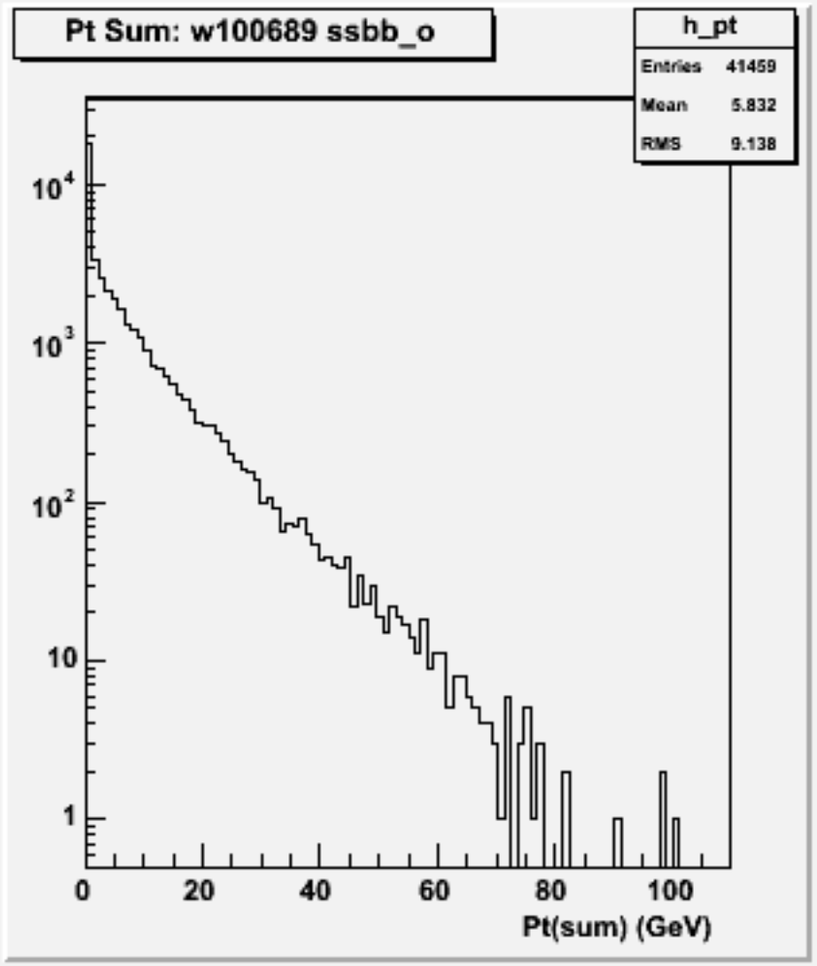

Start point R : w100689 ssbb_o
h_vr
Entries 3932622
Mean 36.18
RMS 281.1
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
Start point Radius

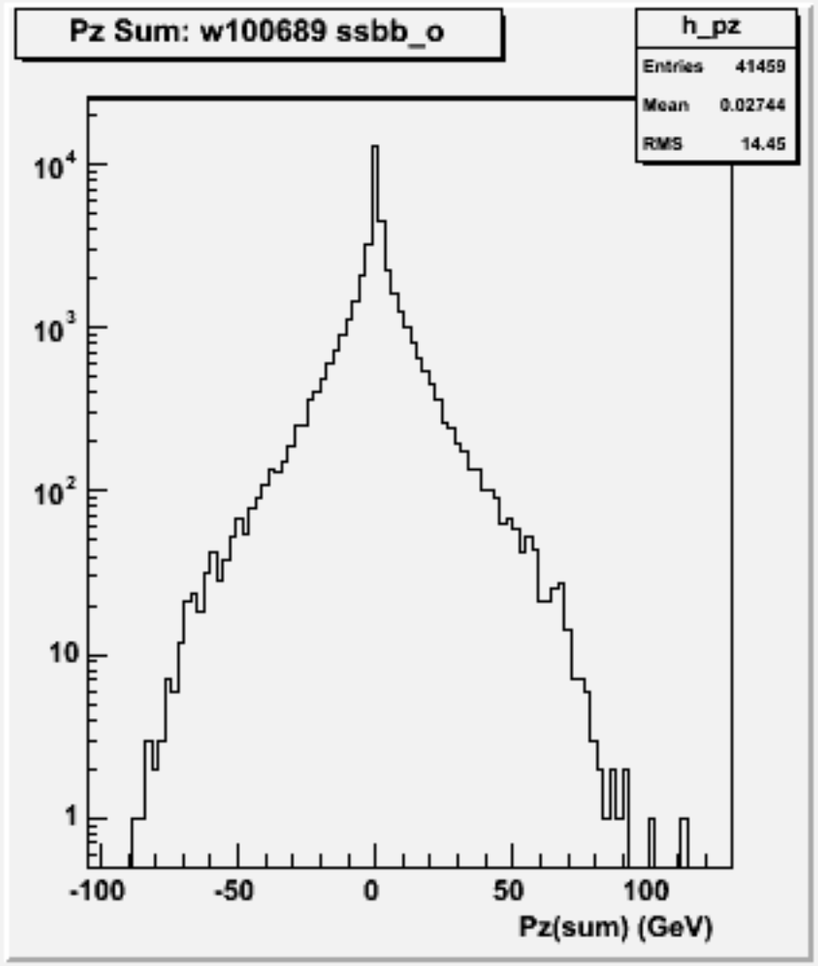

Start point Z : w100689 ssbb_o
h_vz
Entries 3932622
Mean -0.002637
RMS 316.8
10^6
10^5
10^4
10^3
10^2
10
1
-30000
-20000
-10000
0
10000
20000
30000
Start point

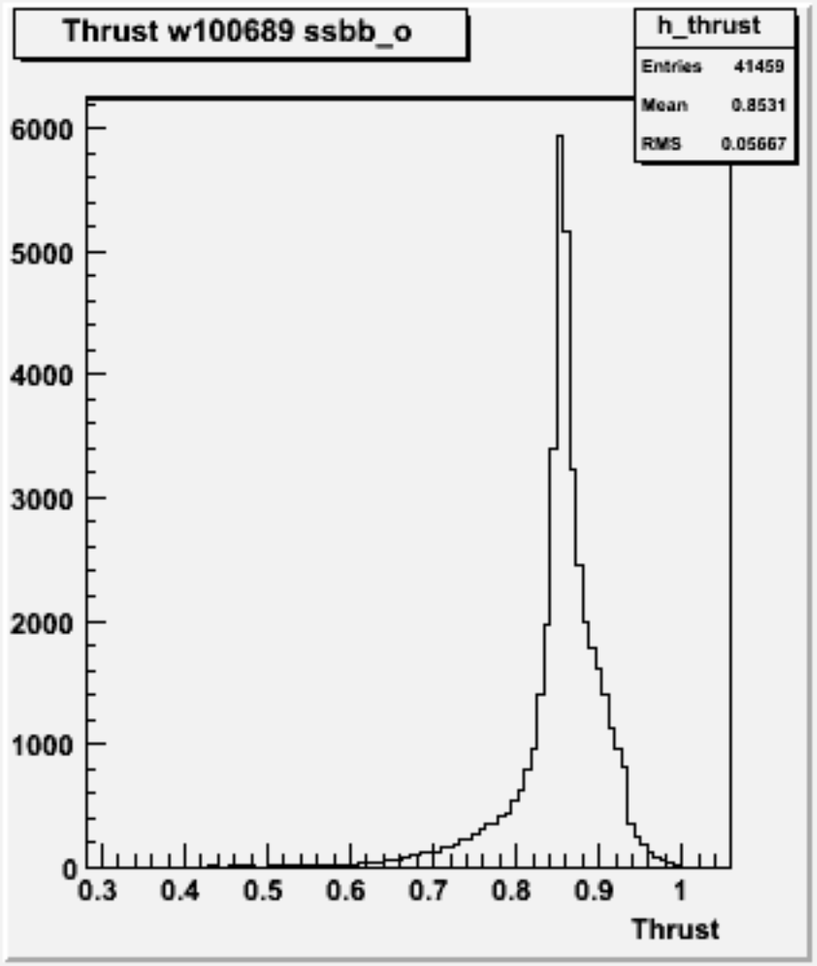

Total Energy (inc. ν): w100689 ssbb_o
h_etot
Entries 41459
Mean 346.9
RMS 7.252
Total Energy(GeV)

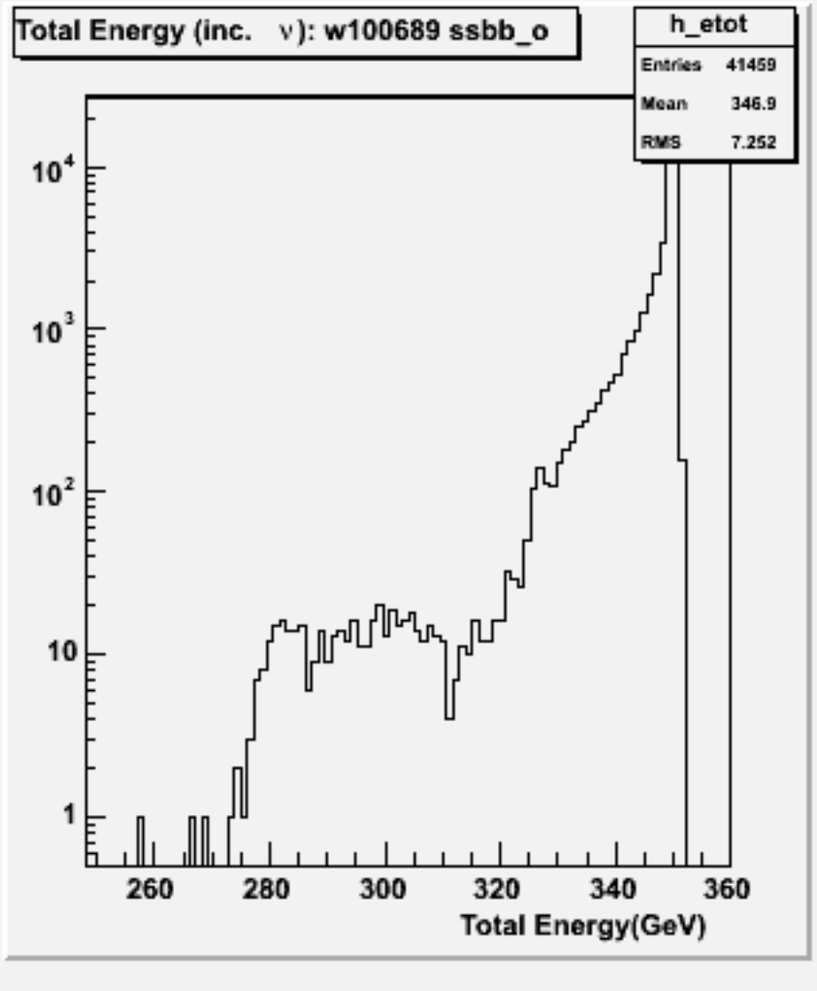

Total Energy (inc. ν): w100689 ssbb_o
h_etotc
Entries 37646
Mean 348.6
RMS 2.301
Total Energy(GeV)

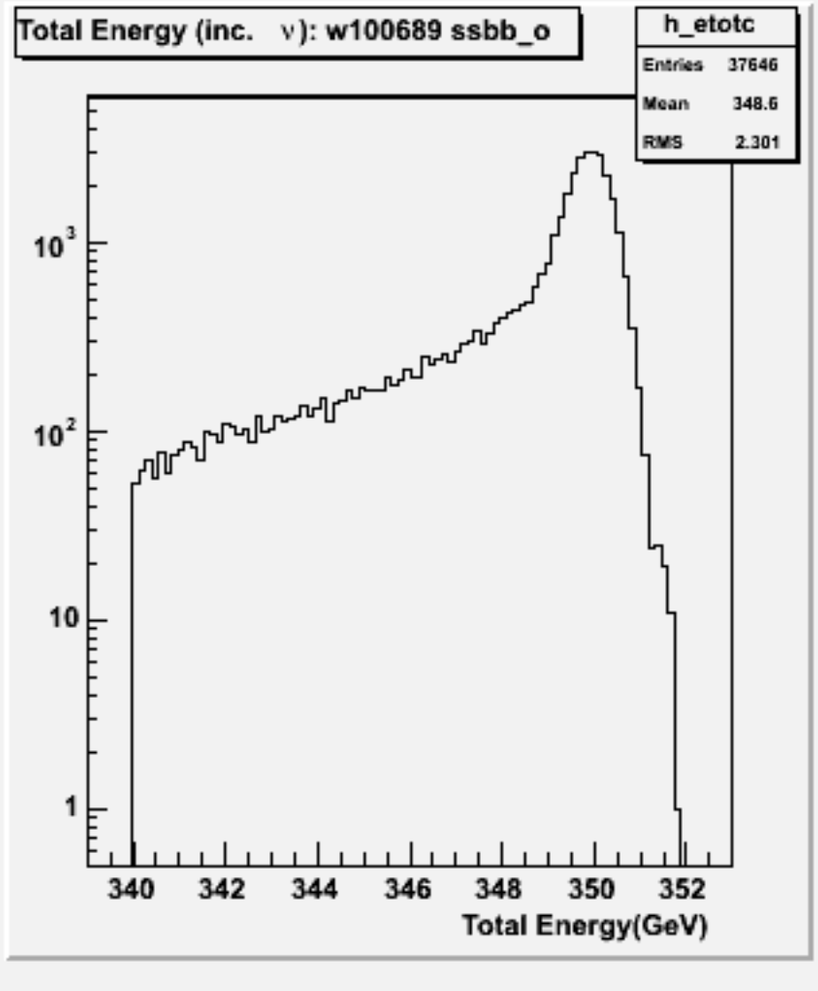

Total Energy (w/o ν): w100689 ssbb_o
h_evis
Entries 41459
Mean 336.8
RMS 16.07
Energy(GeV)

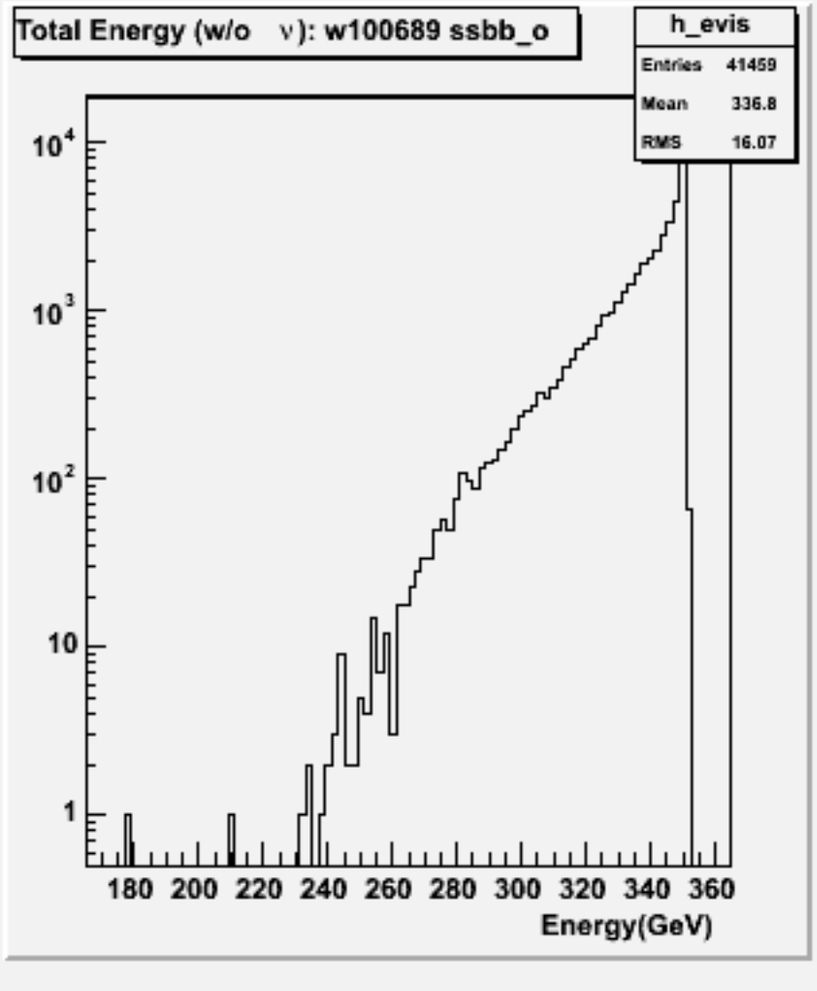

Pt Sum: w100689 ssbb_o
h_pt
Entries 41459
Mean 5.832
RMS 9.138
Pt(sum) (GeV)

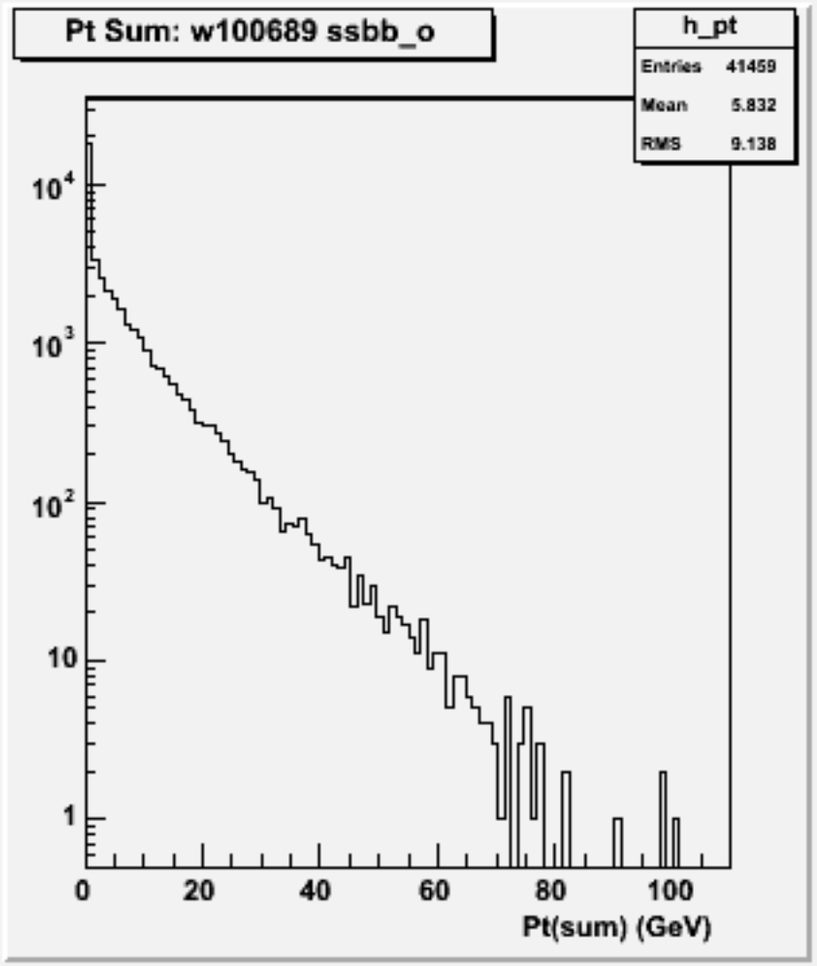

Pz Sum: w100689 ssbb_o
h_pz
Entries 41459
Mean 0.02744
RMS 14.45
Pz(sum) (GeV)

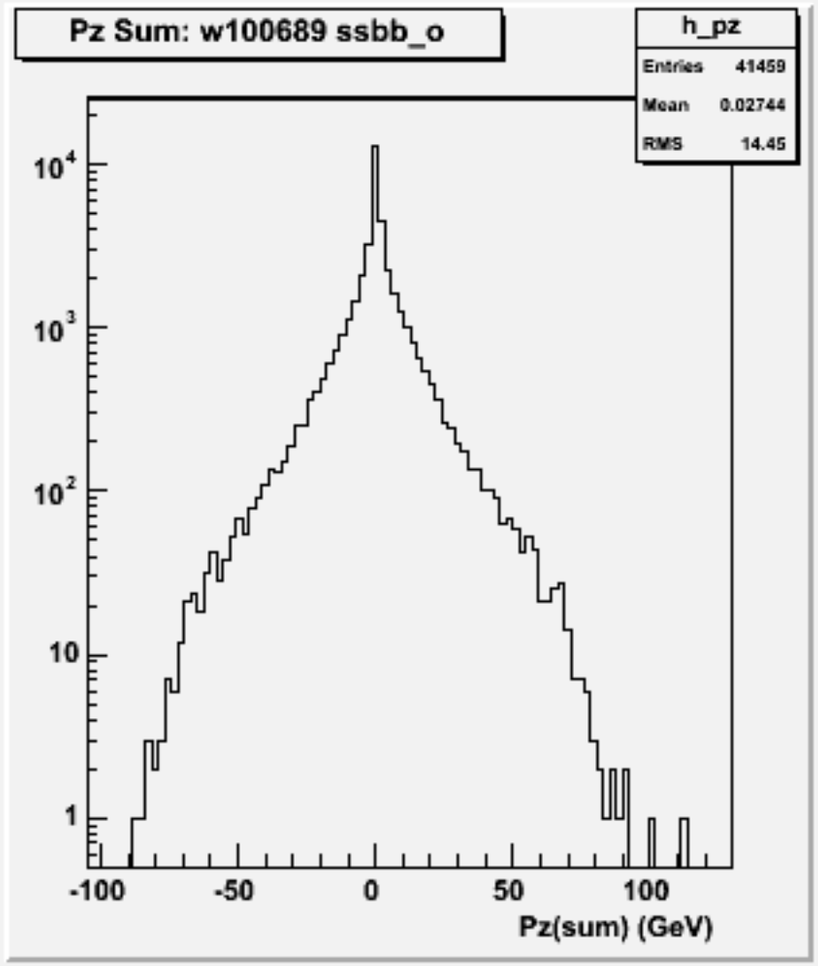

Thrust w100689 ssbb_o
h_thrust
Entries 41459
Mean 0.8531
RMS 0.05667
Thrust

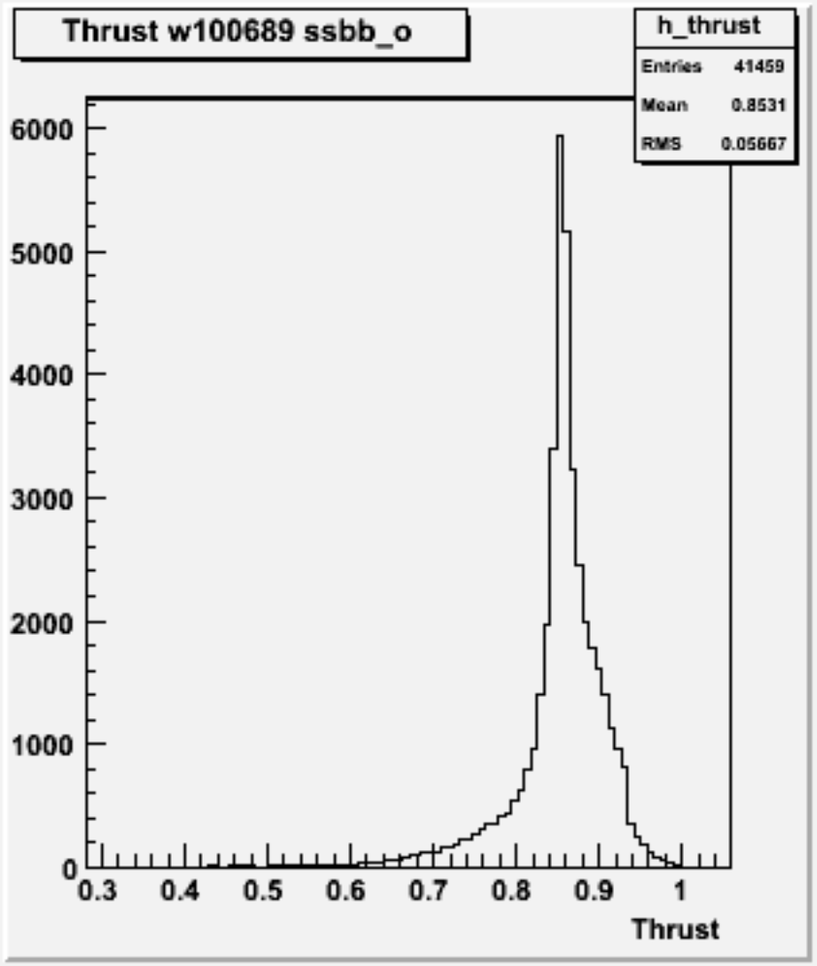

Total Energy (inc. ν): w100689 ssbb_o
h_etot
Entries 41459
Mean 346.9
RMS 7.252
Total Energy(GeV)

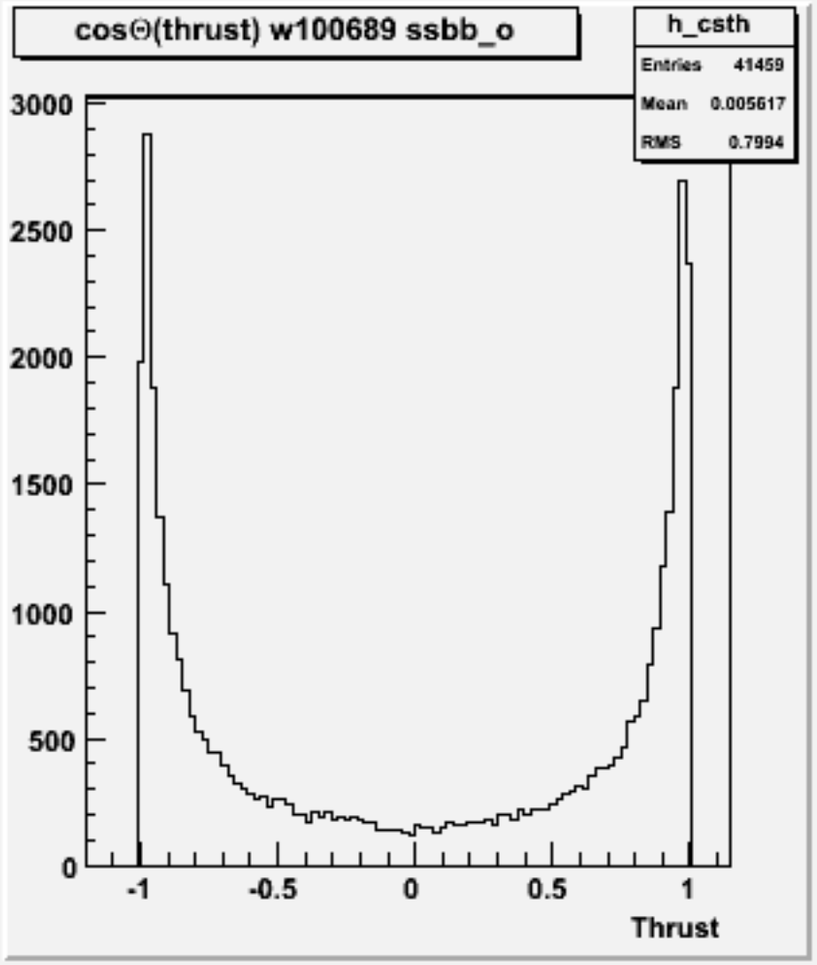

Total Energy (inc. ν): w100689 ssbb_o
h_etotc
Entries 37646
Mean 348.6
RMS 2.301
Total Energy(GeV)

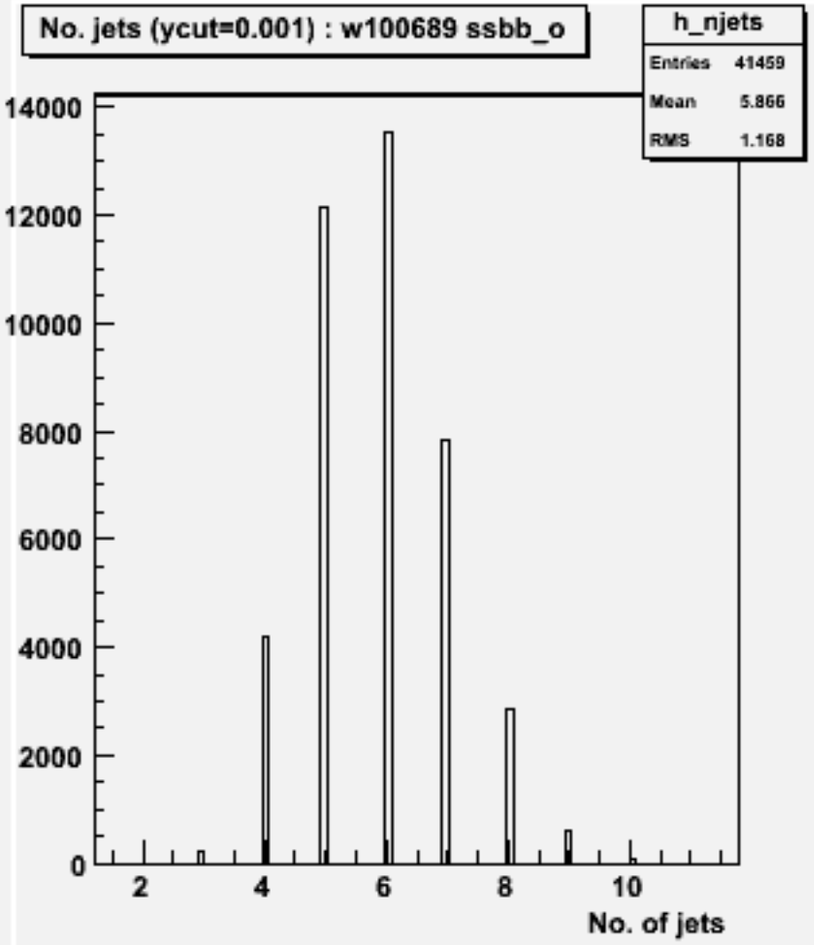

Total Energy (w/o ν): w100689 ssbb_o
h_evis
Entries 41459
Mean 336.8
RMS 16.07
Energy(GeV)

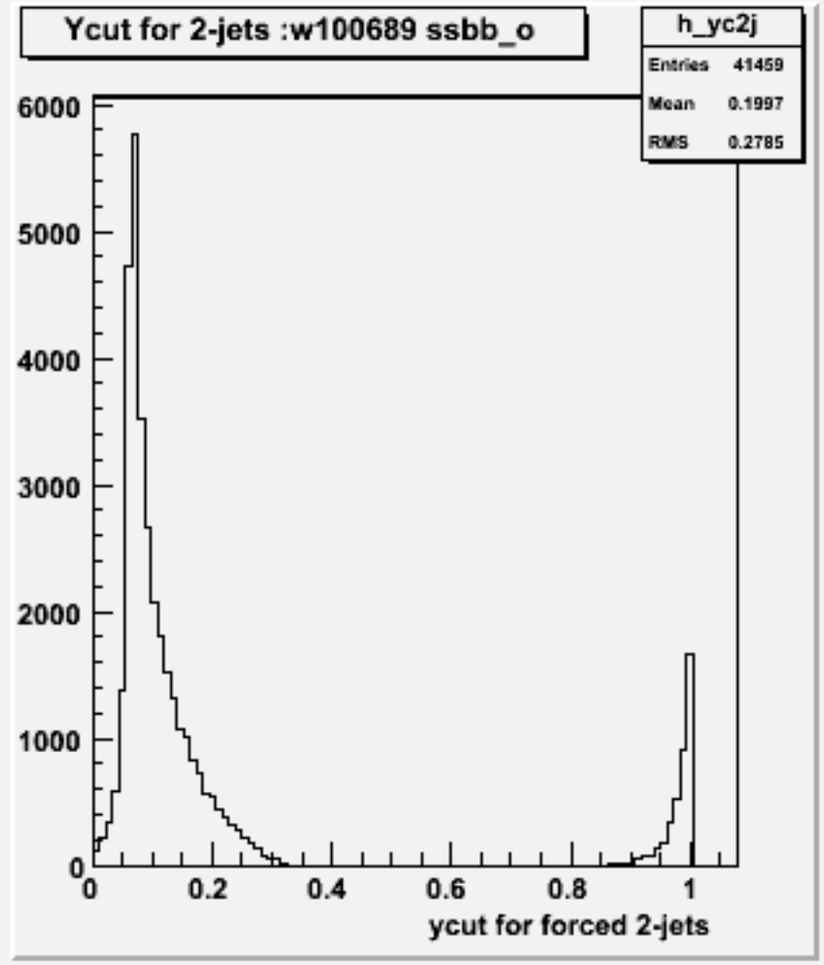

Pt Sum: w100689 ssbb_o
h_pt
Entries 41459
Mean 5.832
RMS 9.138
Pt(sum) (GeV)

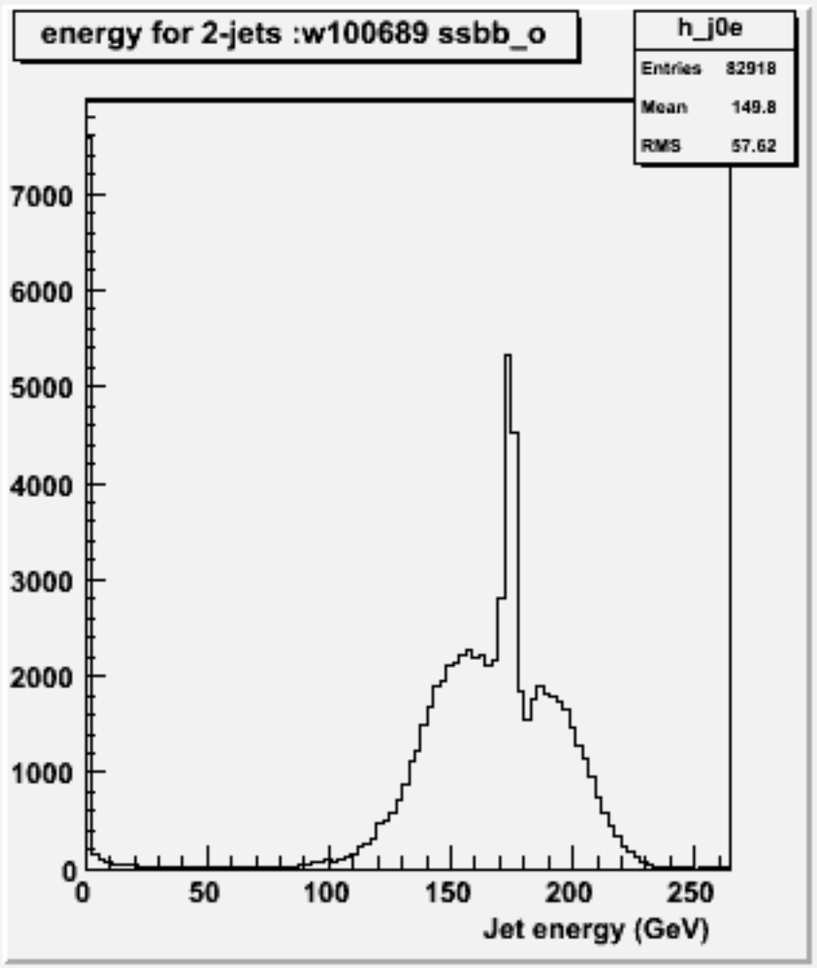

Pz Sum: w100689 ssbb_o
h_pz
Entries 41459
Mean 0.02744
RMS 14.45
Pz(sum) (GeV)

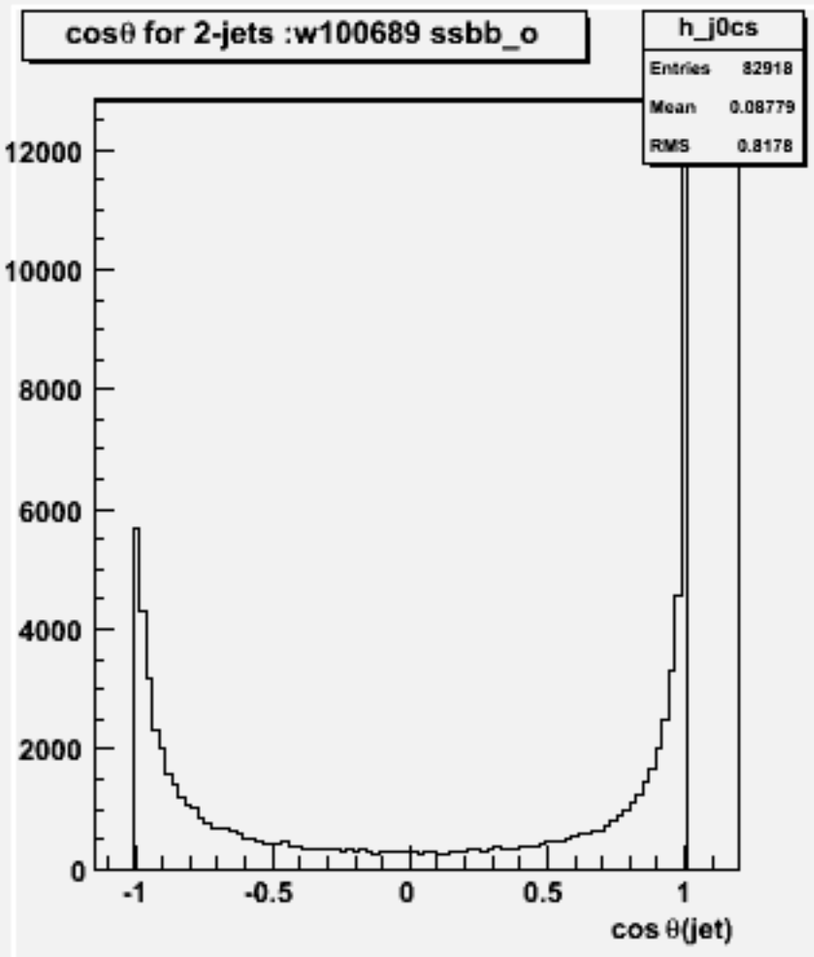

Thrust w100689 ssbb_o
h_thrust
Entries 41459
Mean 0.8531
RMS 0.05667
Thrust

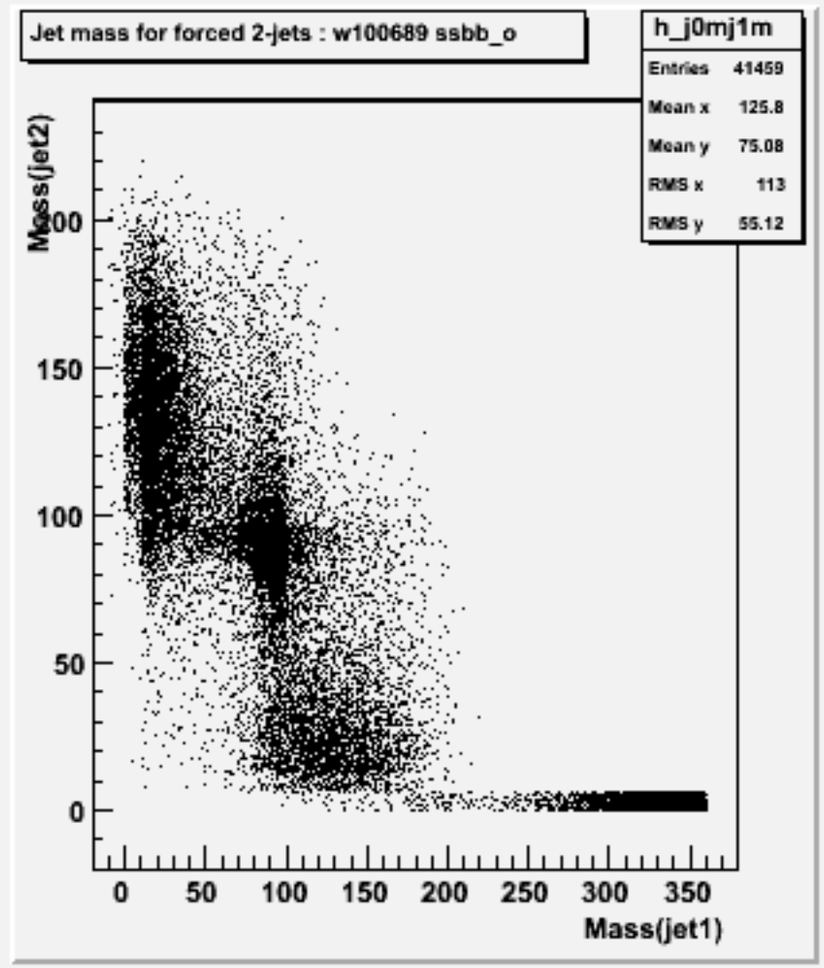

cosΘ(thrust) w100689 ssbb_o
h_csth
Entries 41459
Mean 0.005617
RMS 0.7994
Thrust

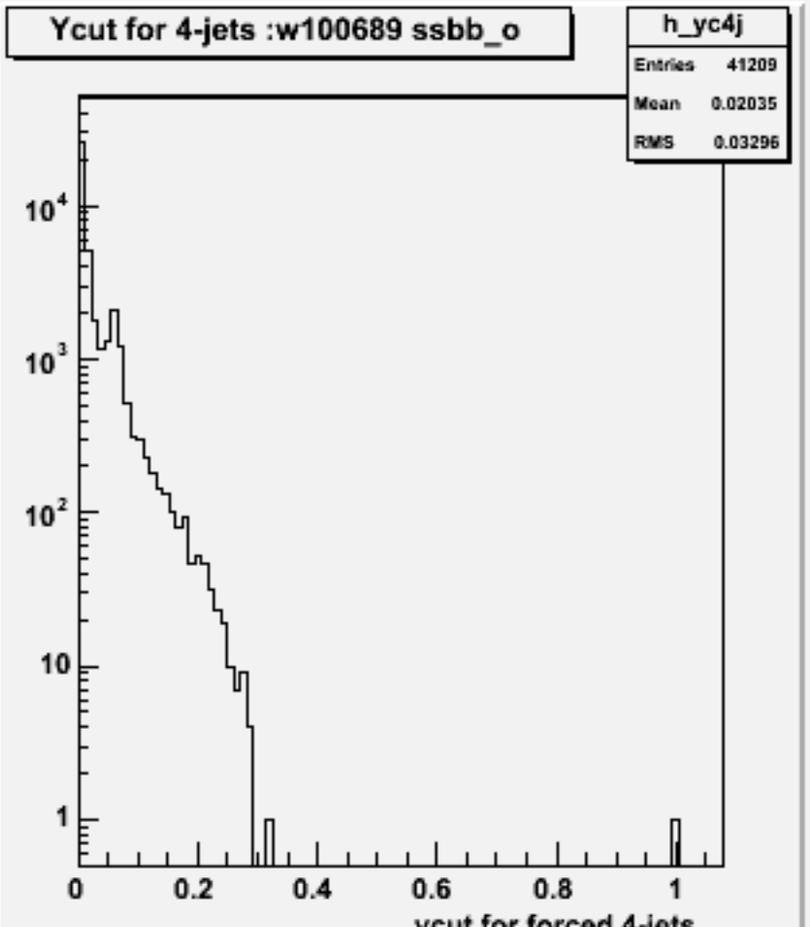

No. jets (ycut=0.001) : w100689 ssbb_o
h_njets
Entries 41459
Mean 5.866
RMS 1.168
No. of jets

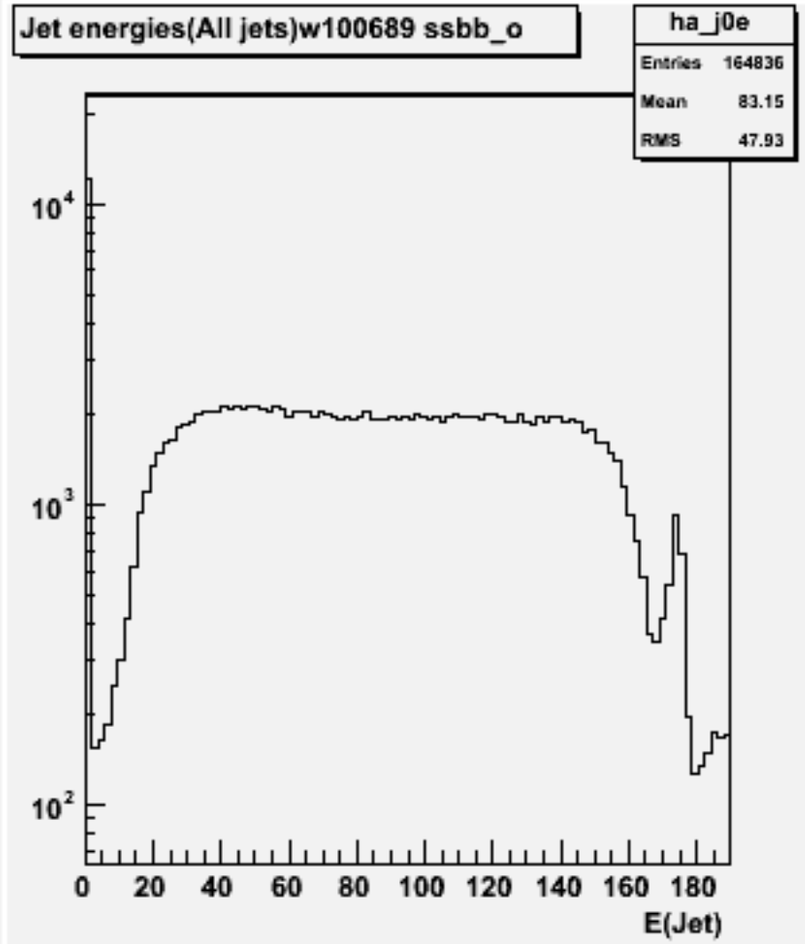

Ycut for 2-jets :w100689 ssbb_o
h_yc2j
Entries 41459
Mean 0.1997
RMS 0.2785
ycut for forced 2-jets

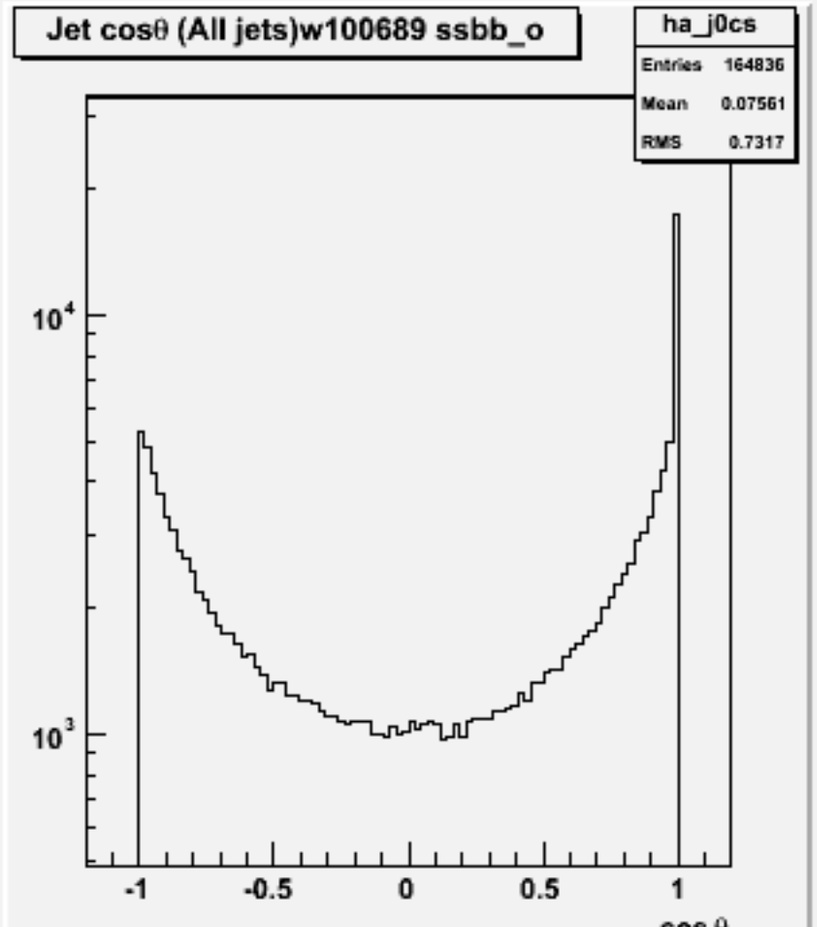

energy for 2-jets :w100689 ssbb_o
h_j0e
Entries 82918
Mean 149.8
RMS 57.62
Jet energy (GeV)

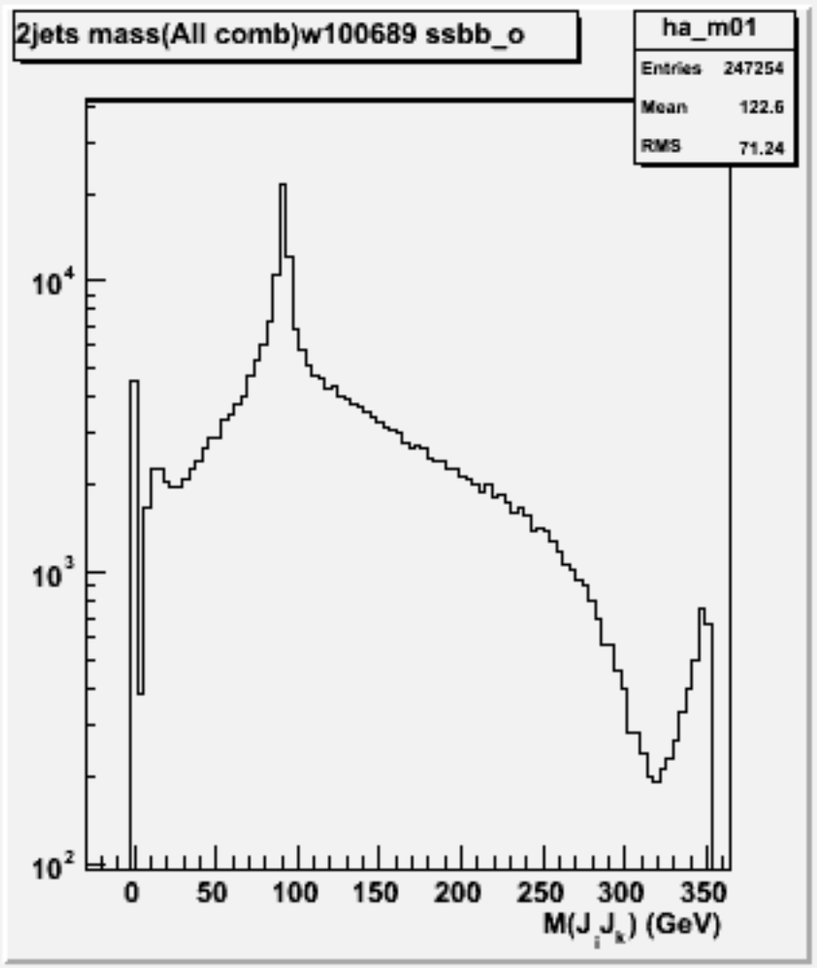

cosθ for 2-jets :w100689 ssbb_o
h_j0cs
Entries 82918
Mean 0.08779
RMS 0.8178
cos θ(jet)

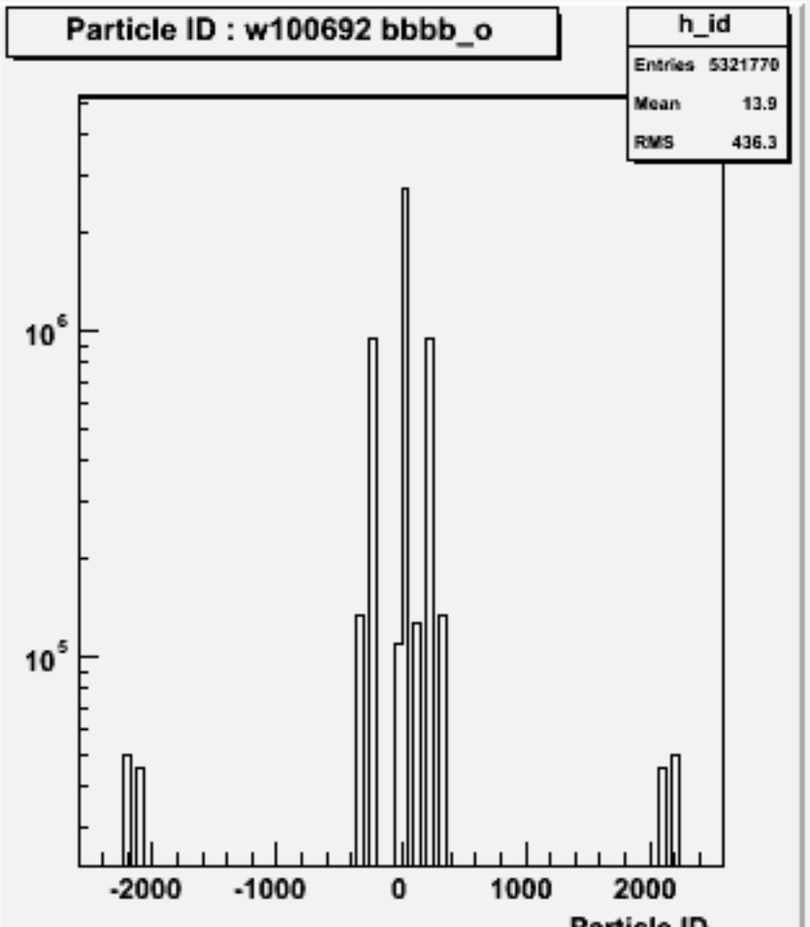

Jet mass for forced 2-jets : w100689 ssbb_o
h_j0mj1m
Entries 41459
Mean x 125.8
Mean y 75.08
RMS x 113
RMS y 55.12
Mass(jet2)
Mass(jet1)

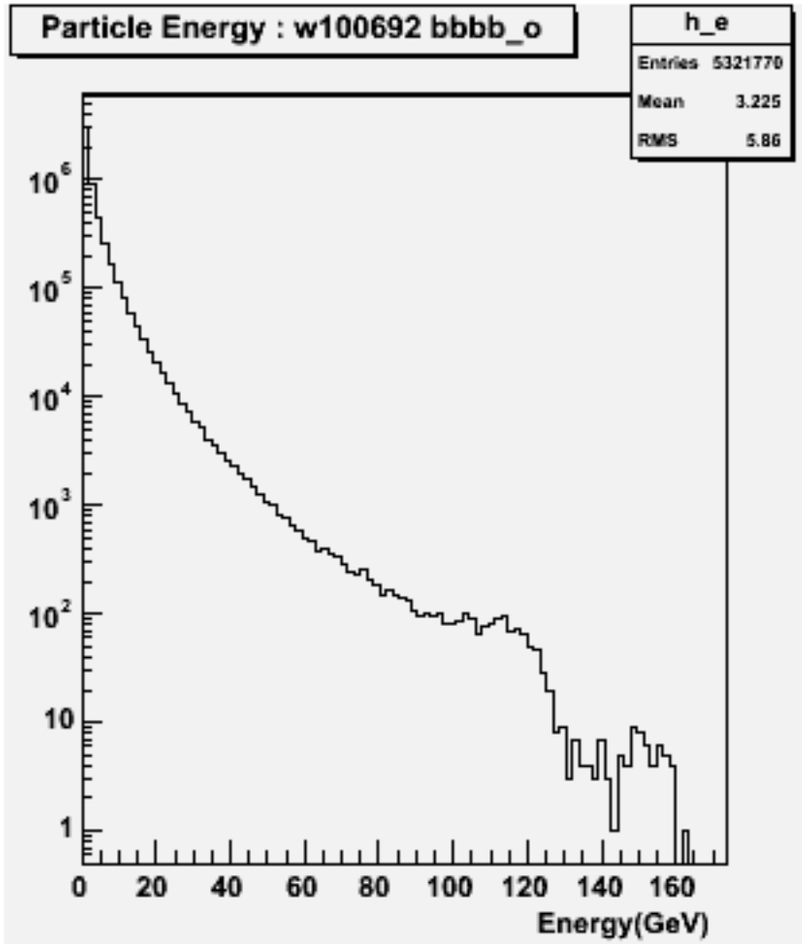

Ycut for 4-jets :w100689 ssbb_o
h_yc4j
Entries 41209
Mean 0.02035
RMS 0.03296
ycut for forced 4-jets

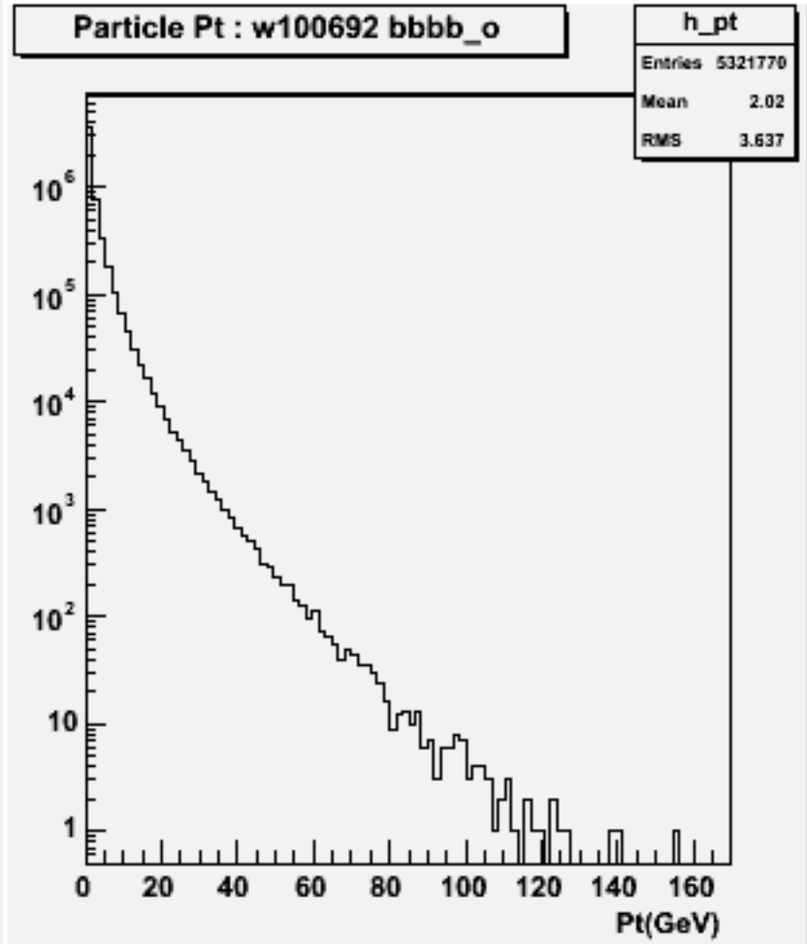

Jet energies(All jets)w100689 ssbb_o
ha_j0e
Entries 164836
Mean 83.15
RMS 47.93
E(Jet)

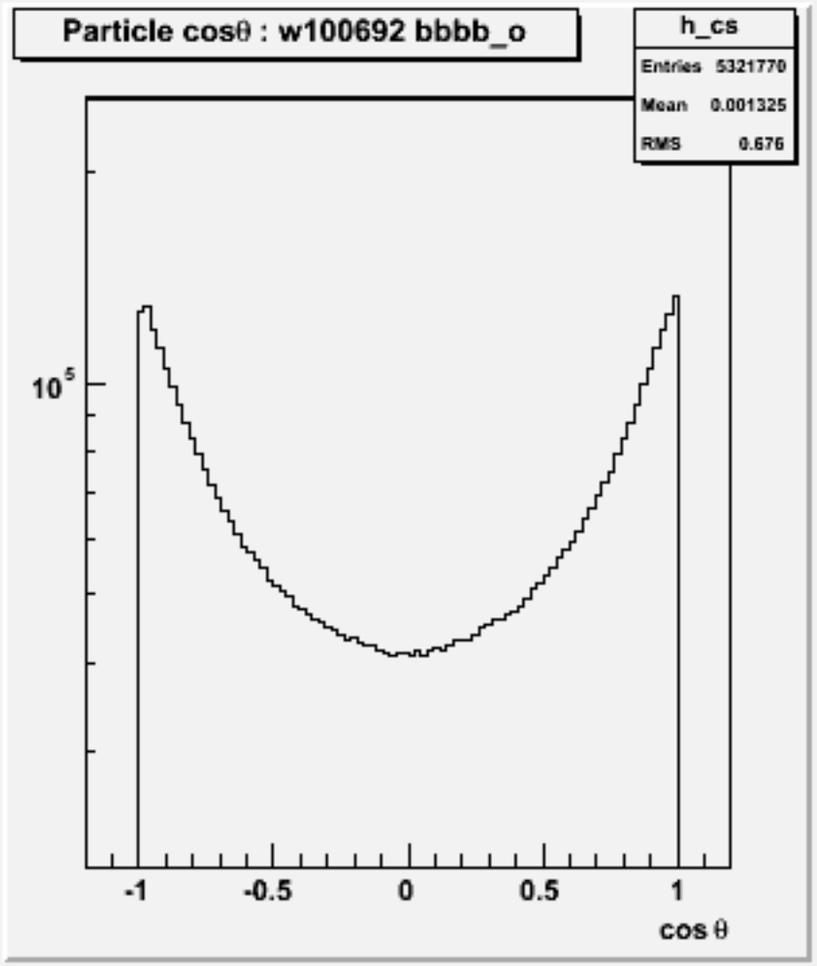

Jet cosθ (All jets)w100689 ssbb_o
ha_j0cs
Entries 164836
Mean 0.07561
RMS 0.7317
cos θ

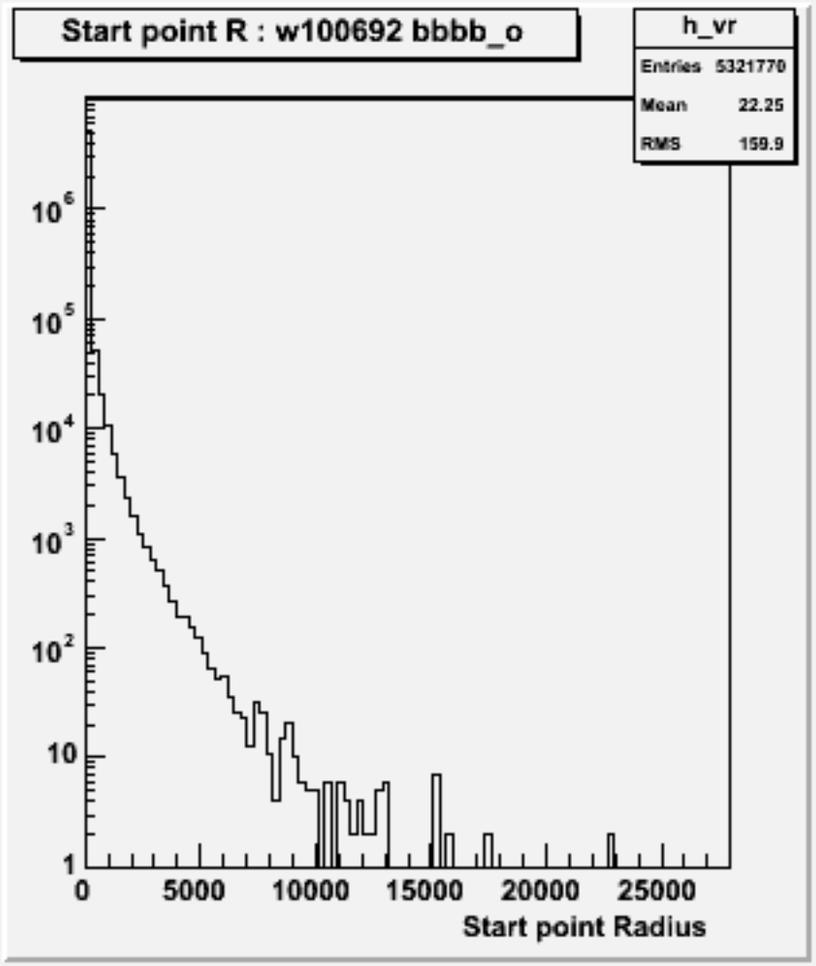

2jets mass(All comb)w100689 ssbb_o
ha_m01
Entries 247254
Mean 122.6
RMS 71.24
M(J_iJ_k) (GeV)

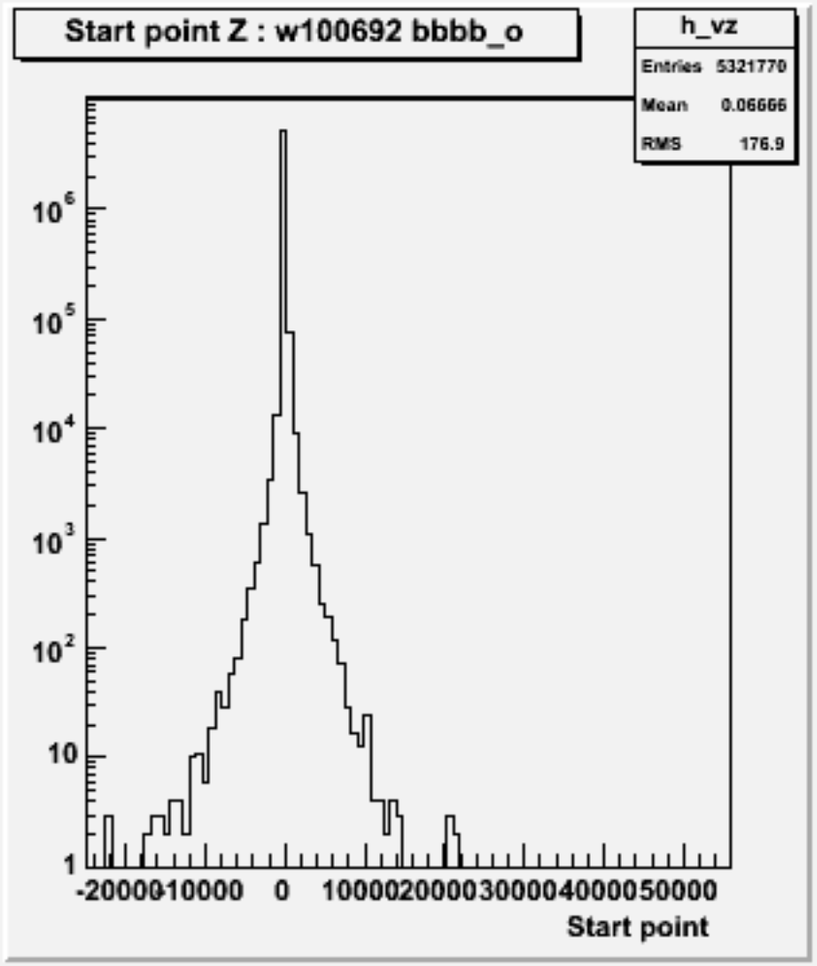

Particle ID : w100692 bbbb_o
h_id
Entries 5321770
Mean 13.9
RMS 436.3
Particle ID

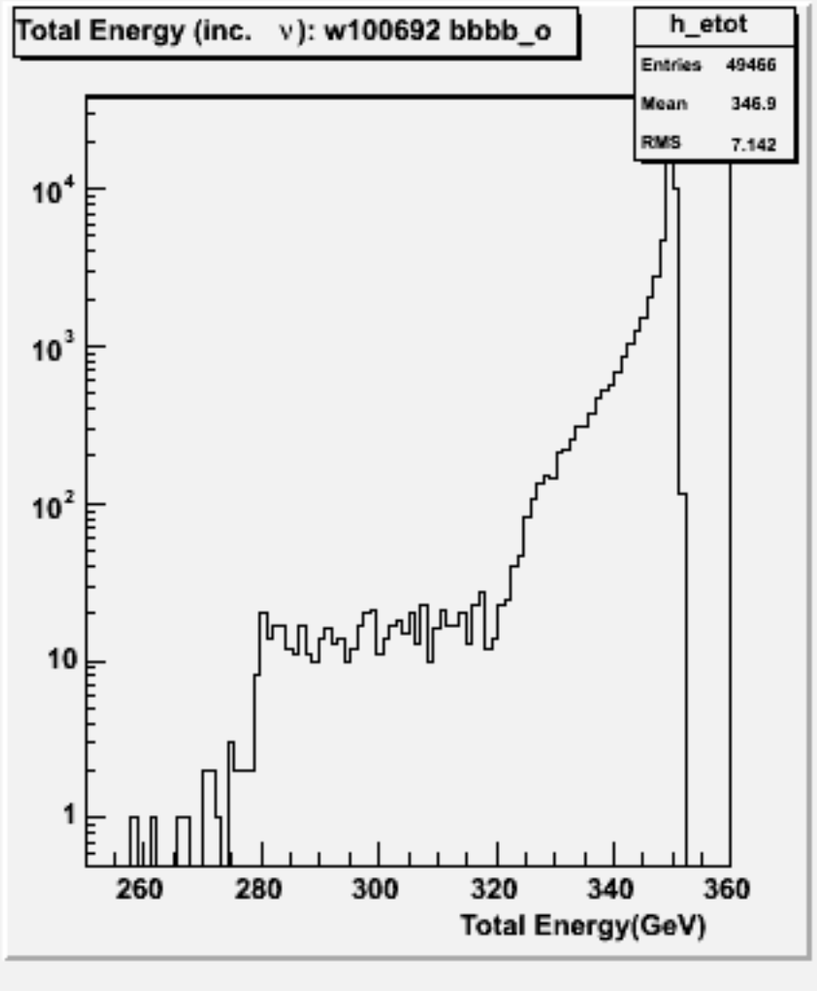

Particle Energy : w100692 bbbb_o
h_e
Entries 5321770
Mean 3.225
RMS 5.86
Energy(GeV)

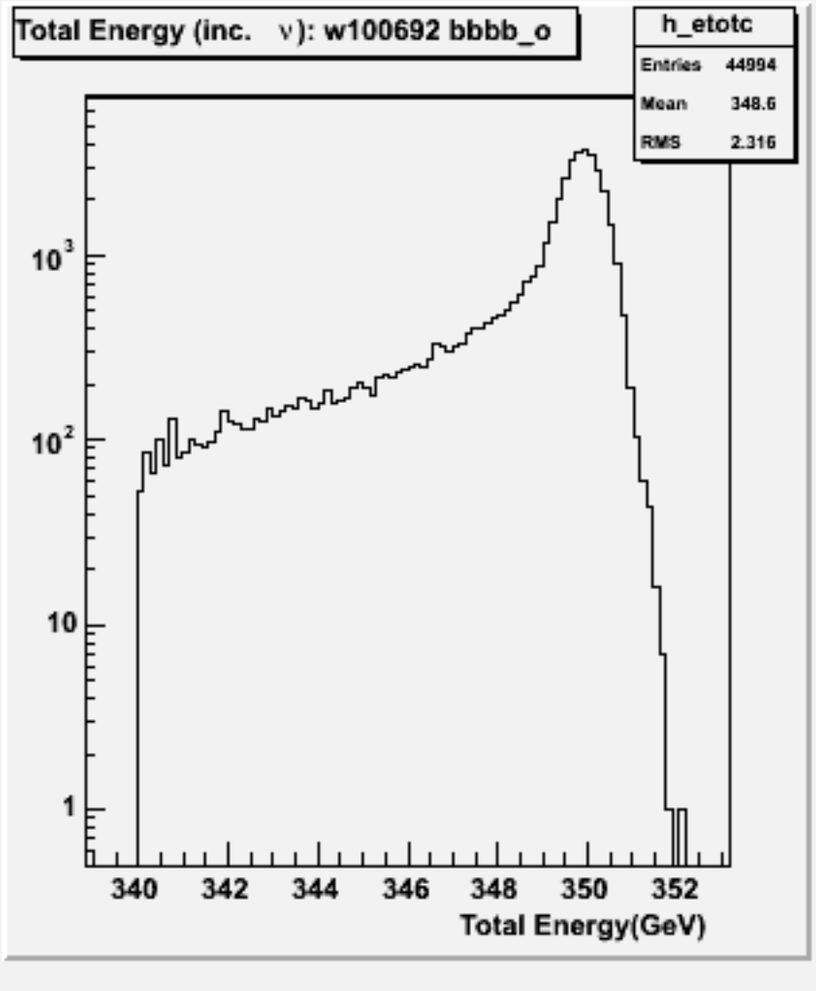

Particle Pt : w100692 bbbb_o
h_pt
Entries 5321770
Mean 2.02
RMS 3.637
Pt(GeV)

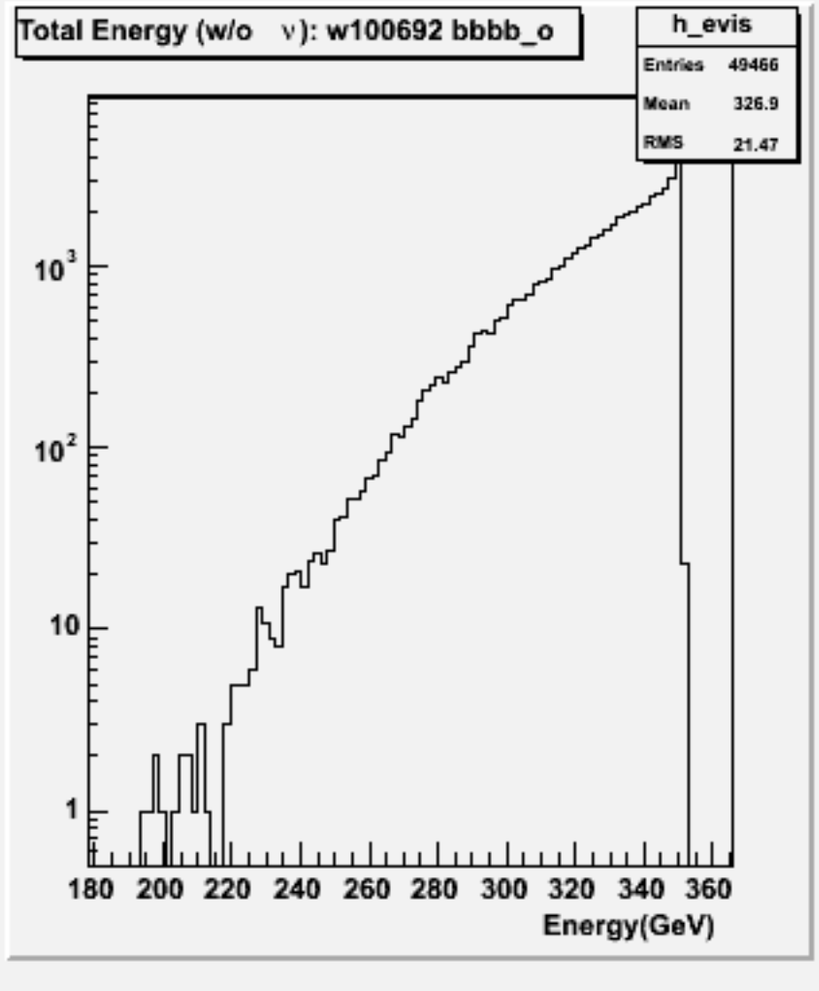

Particle cosθ : w100692 bbbb_o
h_cs
Entries 5321770
Mean 0.001325
RMS 0.676
cos θ

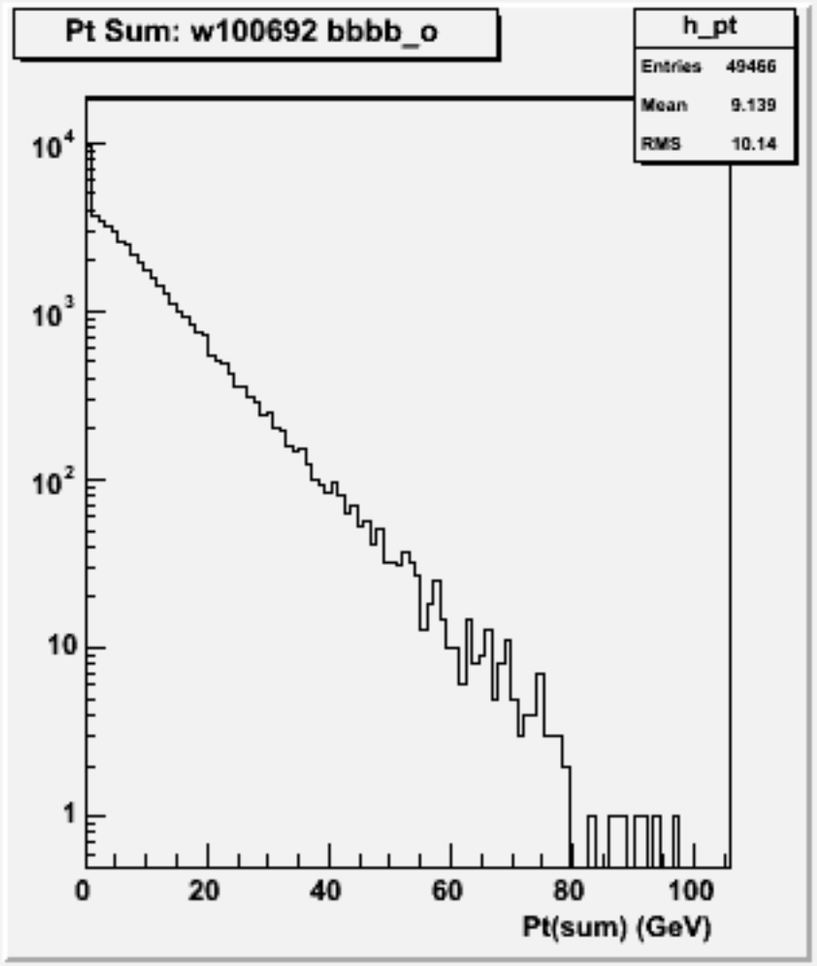

Start point R : w100692 bbbb_o
h_vr
Entries 5321770
Mean 22.25
RMS 159.9
Start point Radius

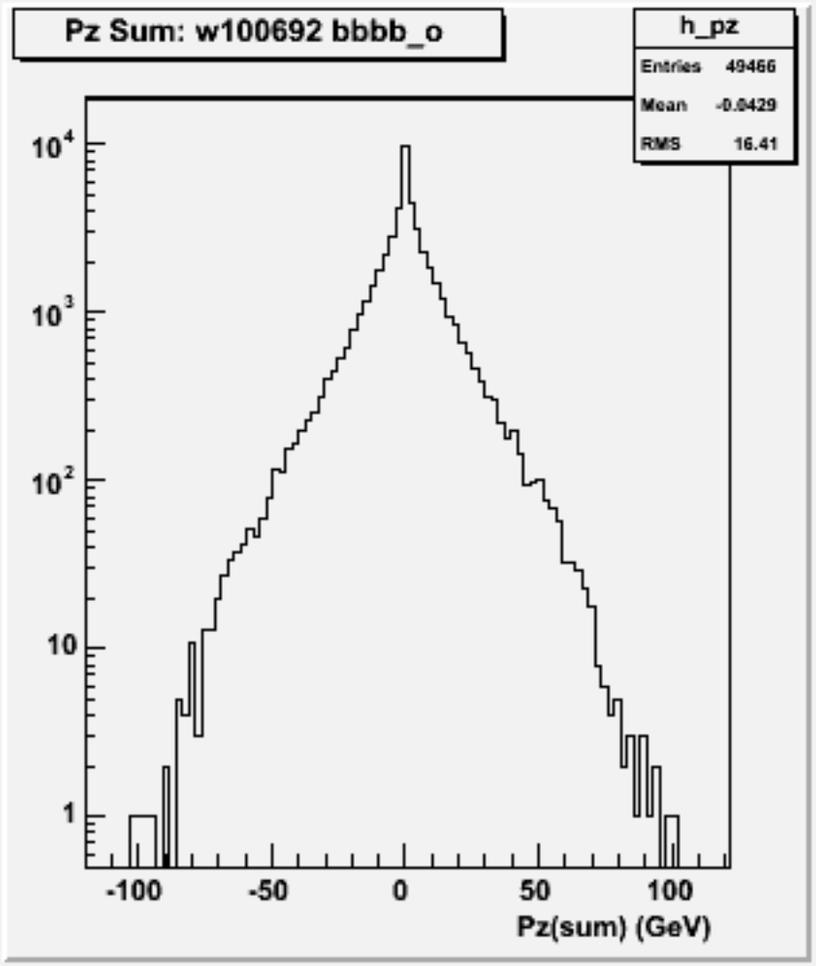

Start point Z : w100692 bbbb_o
h_vz
Entries 5321770
Mean 0.06666
RMS 176.9
Start point

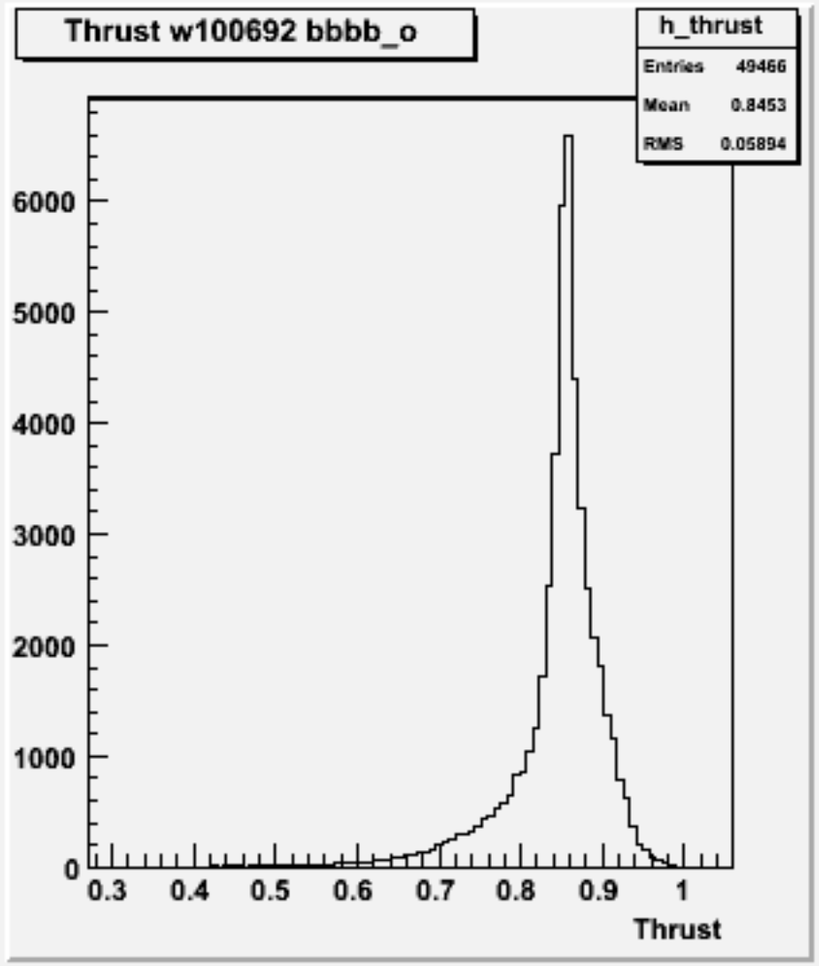

Total Energy (inc. ν): w100692 bbbb_o
h_etot
Entries 49466
Mean 346.9
RMS 7.142
Total Energy(GeV)

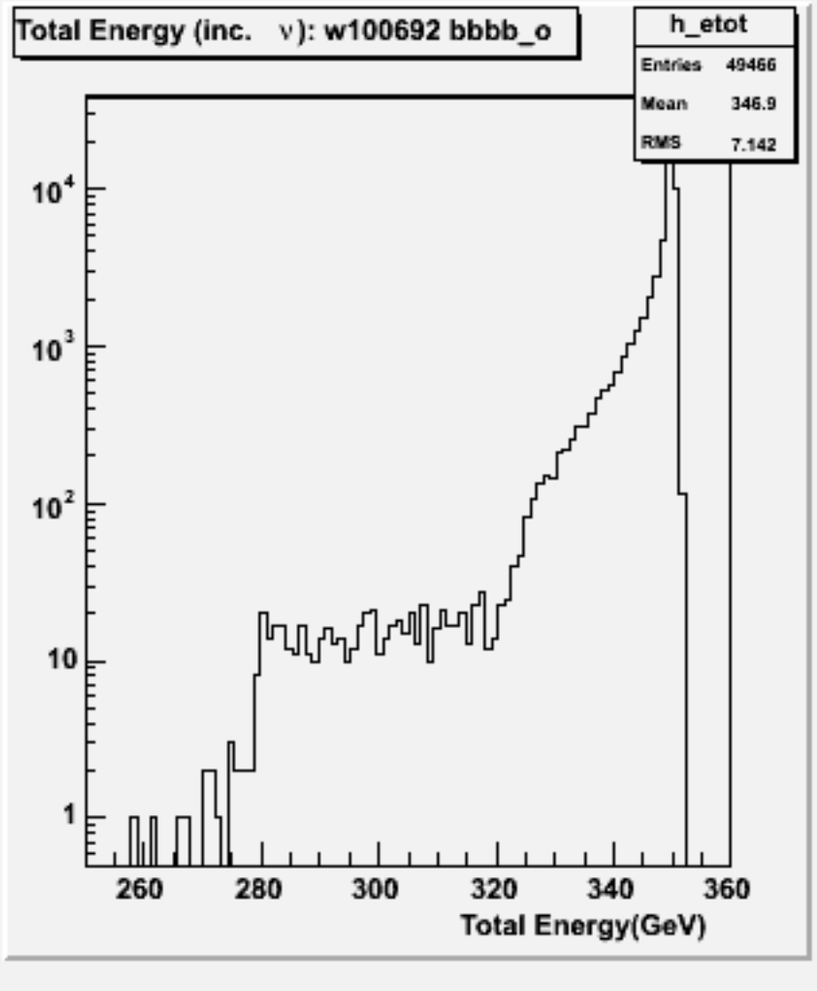

Total Energy (inc. ν): w100692 bbbb_o
h_etotc
Entries 44994
Mean 348.6
RMS 2.316
Total Energy(GeV)

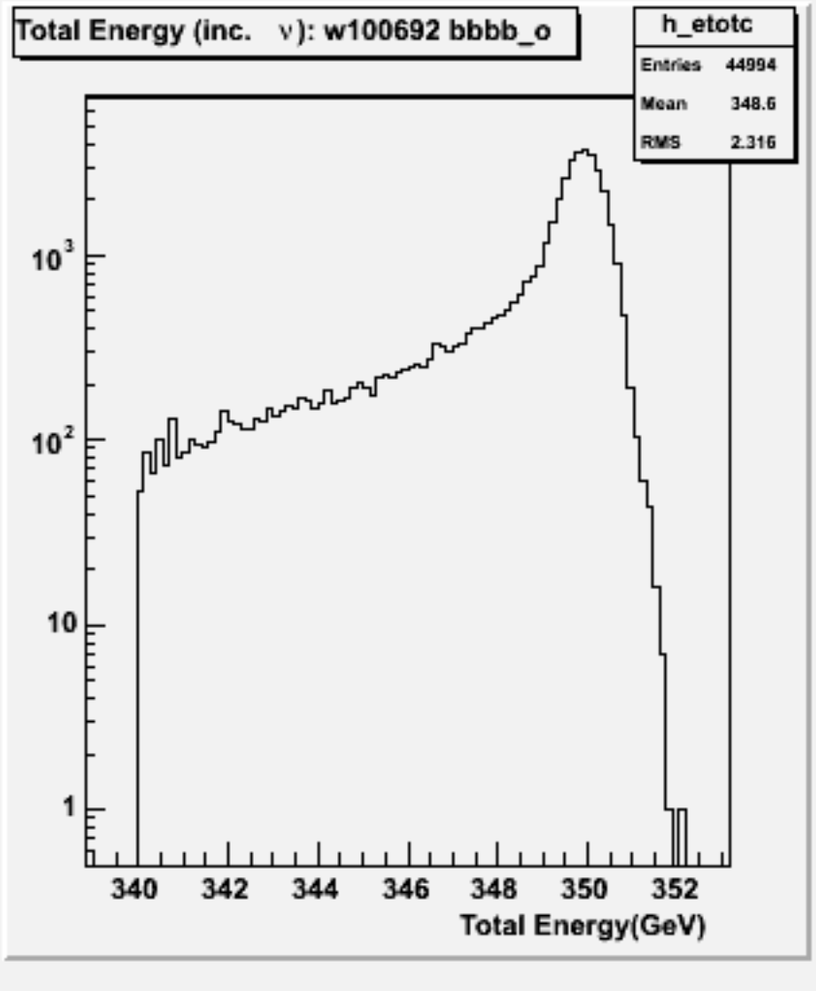

Total Energy (w/o ν): w100692 bbbb_o
h_evis
Entries 49466
Mean 326.9
RMS 21.47
Energy(GeV)

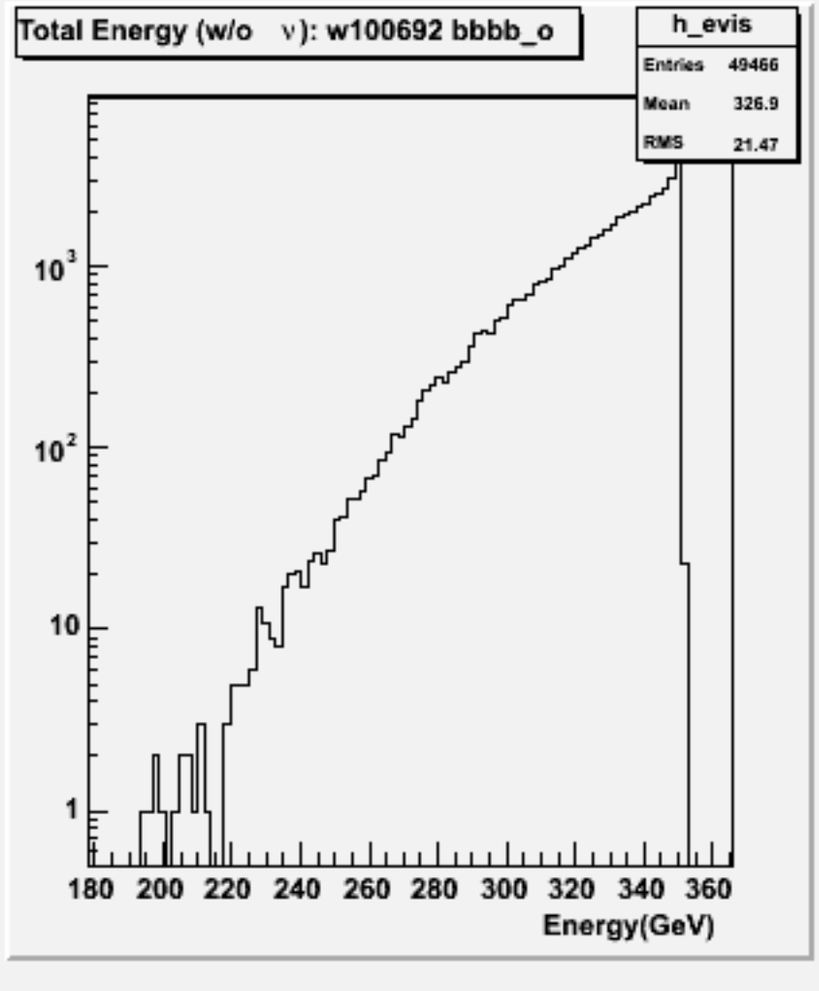

Pt Sum: w100692 bbbb_o
h_pt
Entries 49466
Mean 9.139
RMS 10.14
Pt(sum) (GeV)

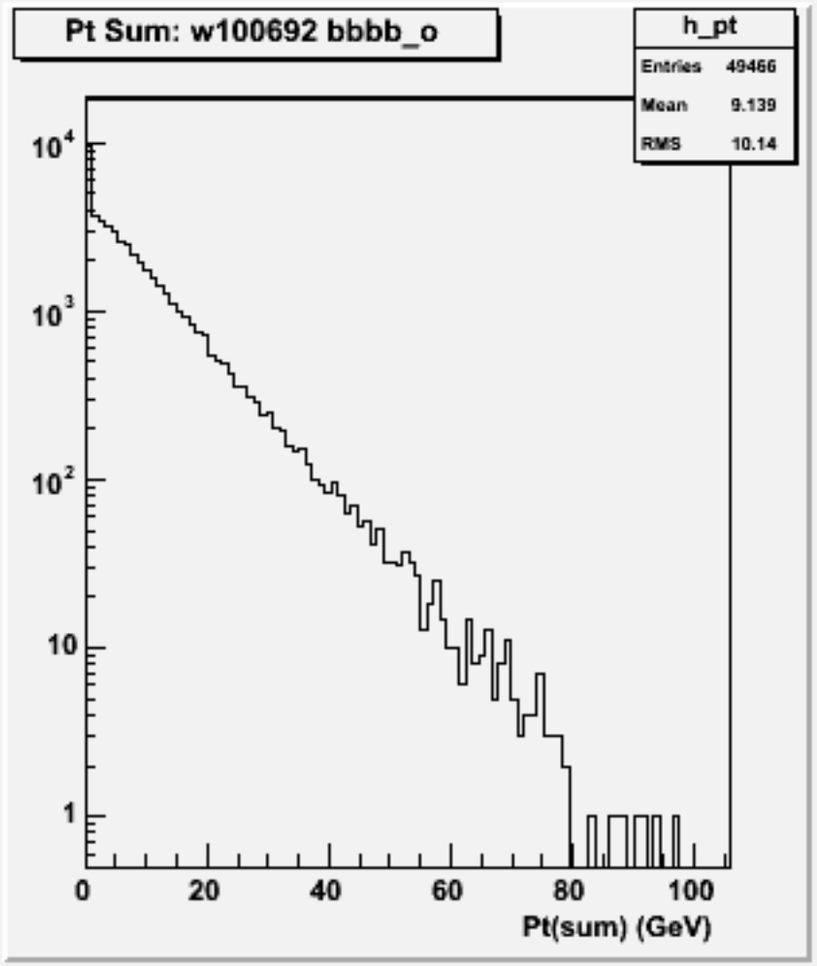

Pz Sum: w100692 bbbb_o
h_pz
Entries 49466
Mean -0.0429
RMS 16.41
Pz(sum) (GeV)

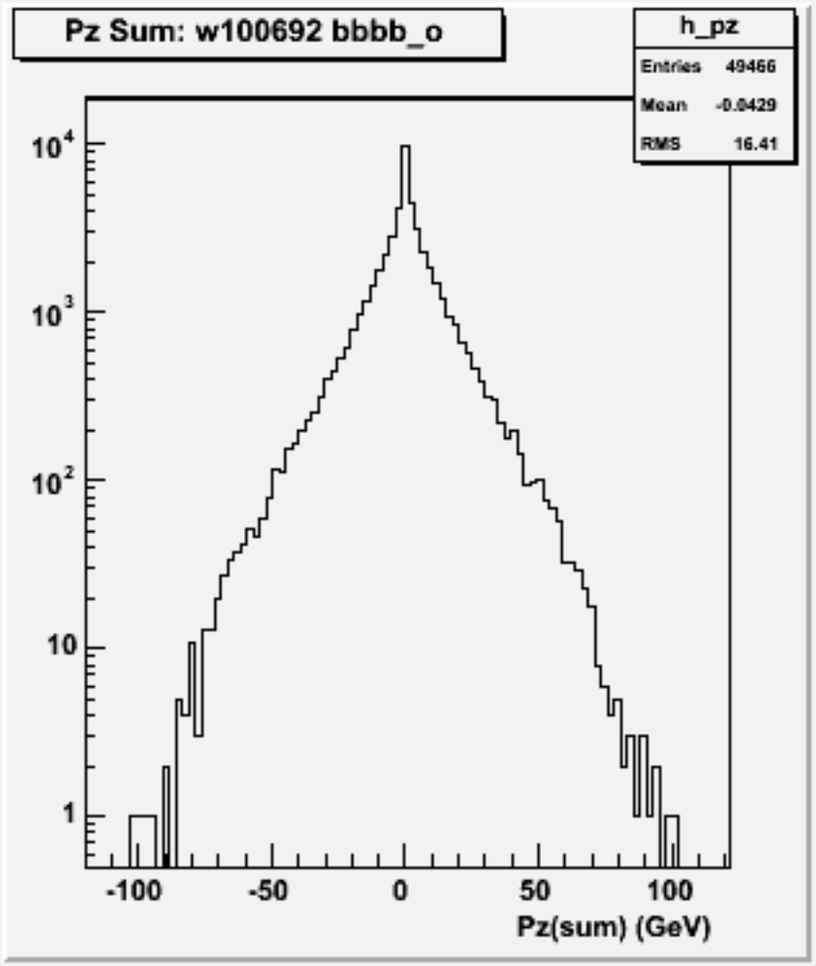

Thrust w100692 bbbb_o
h_thrust
Entries 49466
Mean 0.8453
RMS 0.05894
Thrust

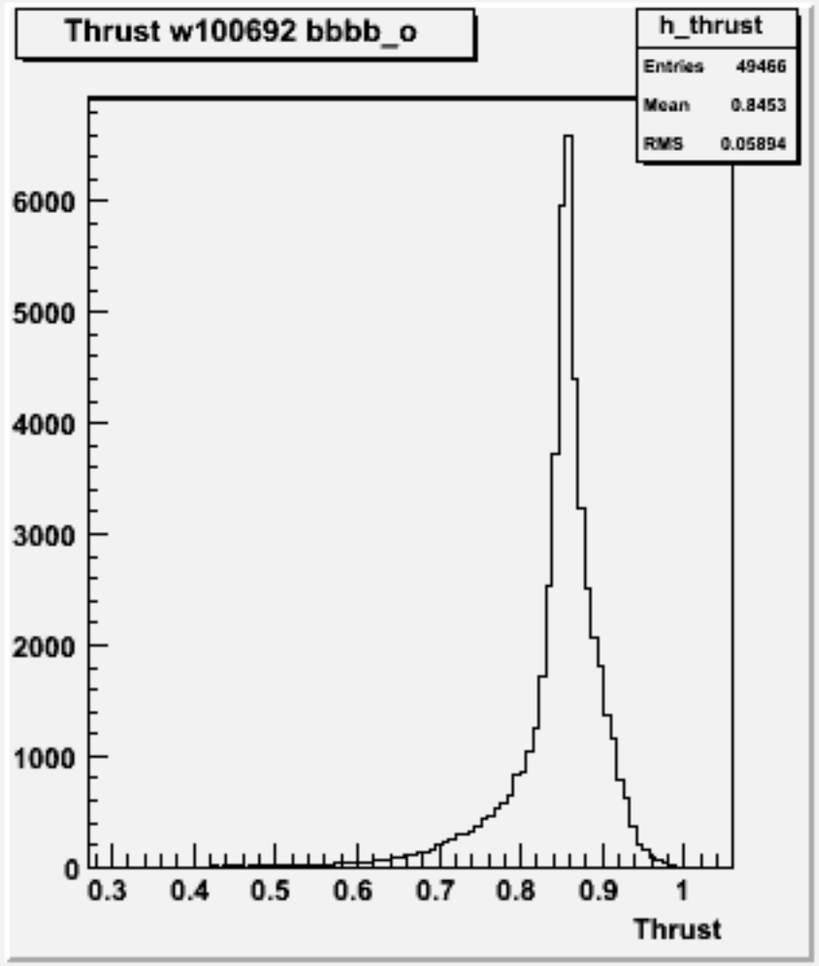

Total Energy (inc. ν): w100692 bbbb_o
h_etot
Entries 49466
Mean 346.9
RMS 7.142
Total Energy(GeV)

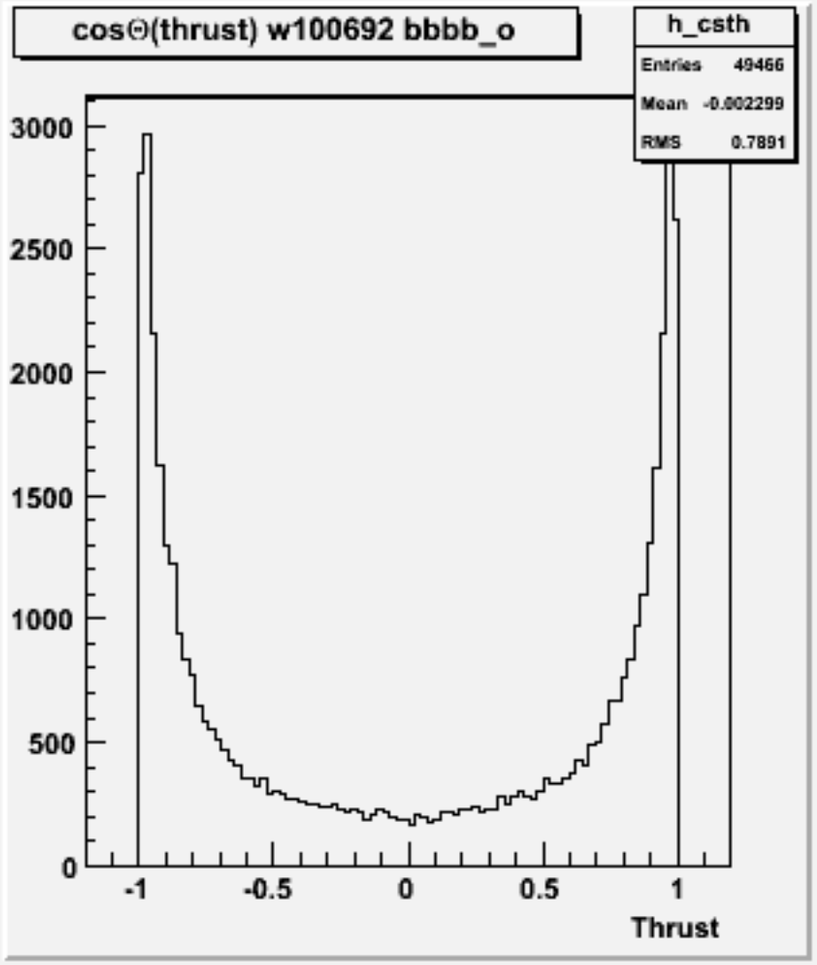

Total Energy (inc. ν): w100692 bbbb_o
h_etotc
Entries 44994
Mean 348.6
RMS 2.316
Total Energy(GeV)

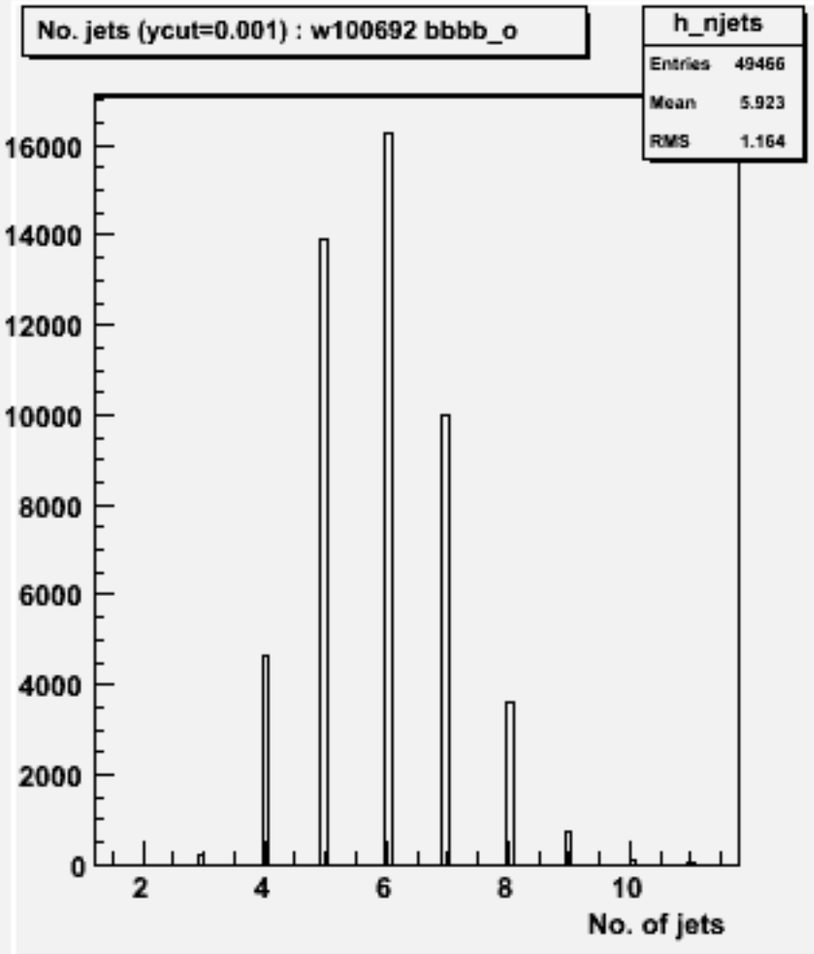

Total Energy (w/o ν): w100692 bbbb_o
h_evis
Entries 49466
Mean 326.9
RMS 21.47
Energy(GeV)

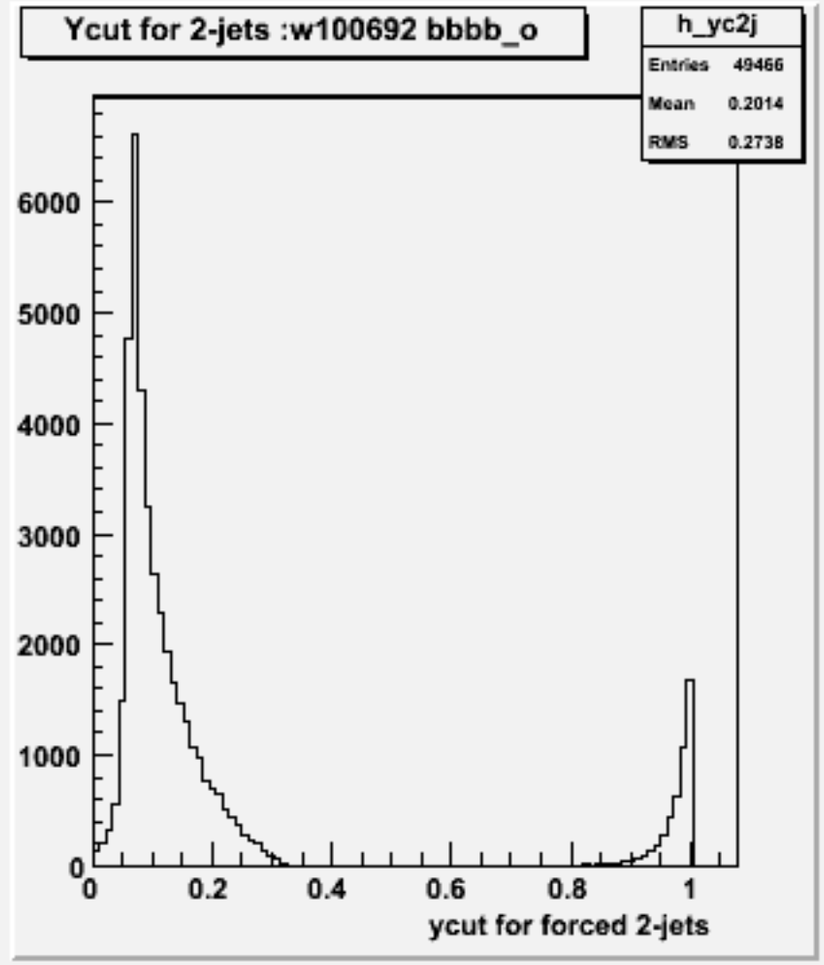

Pt Sum: w100692 bbbb_o
h_pt
Entries 49466
Mean 9.139
RMS 10.14
Pt(sum) (GeV)

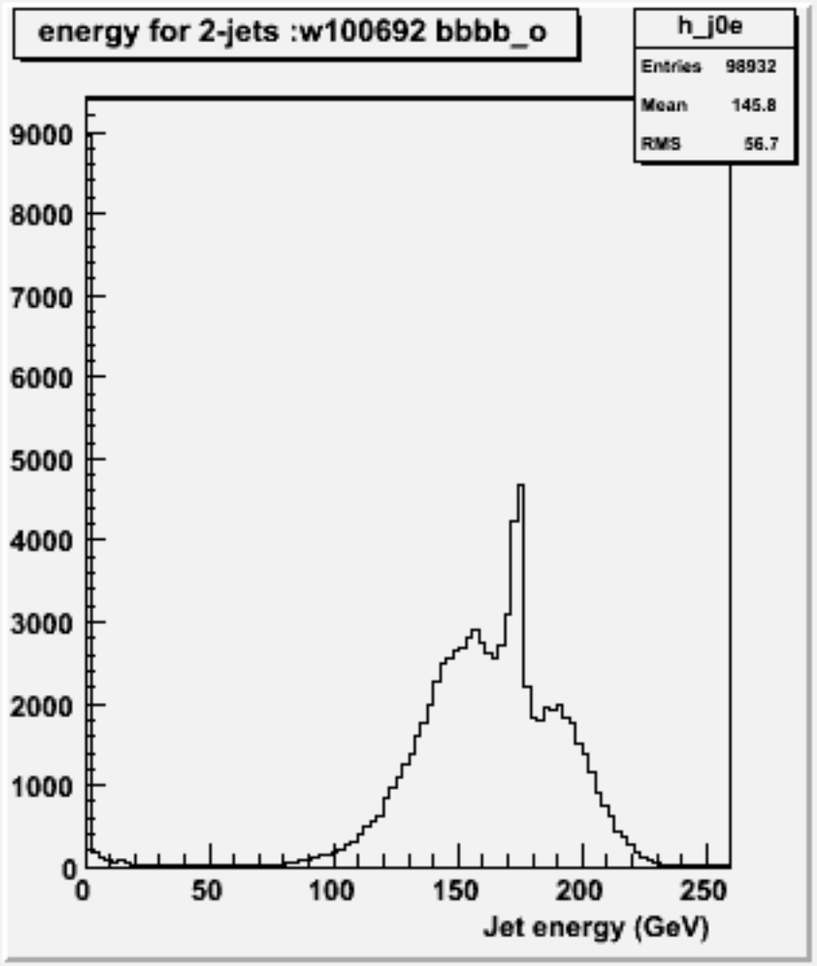

Pz Sum: w100692 bbbb_o
h_pz
Entries 49466
Mean -0.0429
RMS 16.41
Pz(sum) (GeV)

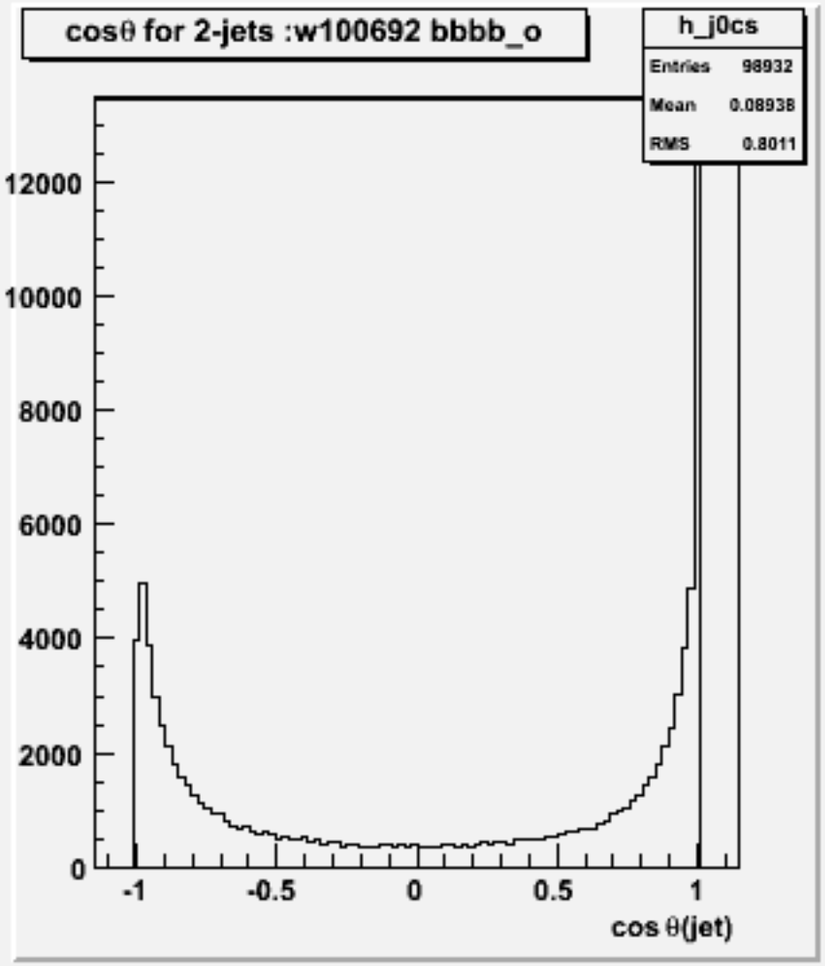

Thrust w100692 bbbb_o
h_thrust
Entries 49466
Mean 0.8453
RMS 0.05894
Thrust

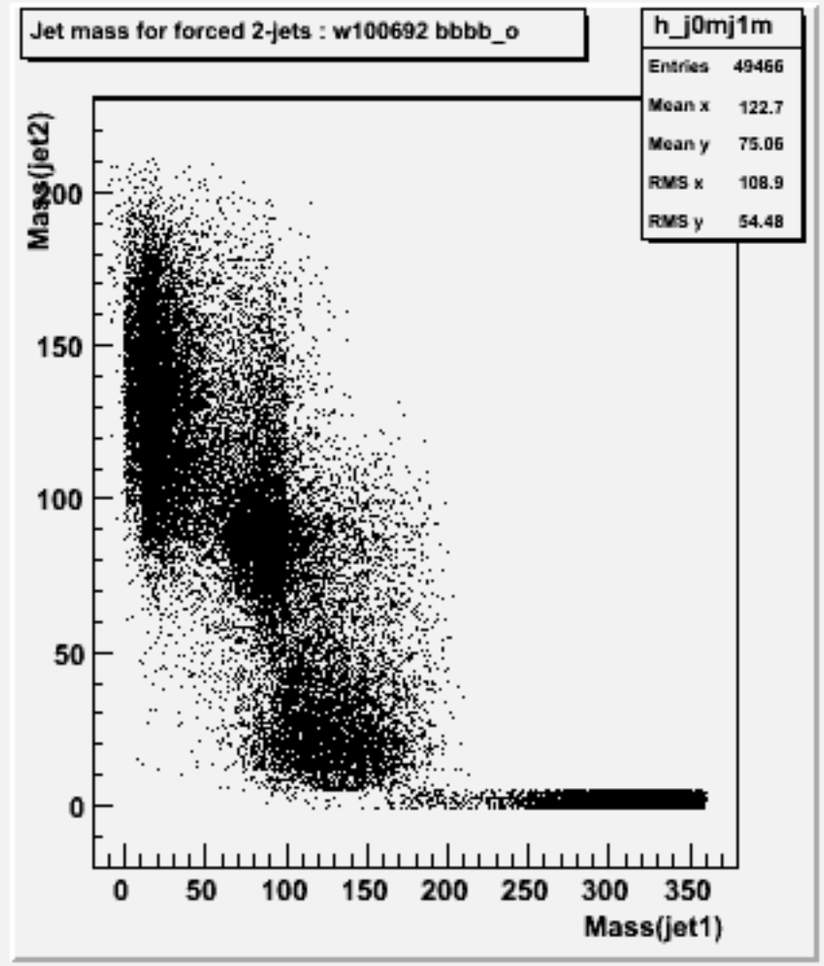

cosΘ(thrust) w100692 bbbb_o
h_csth
Entries 49466
Mean -0.002299
RMS 0.7891
Thrust

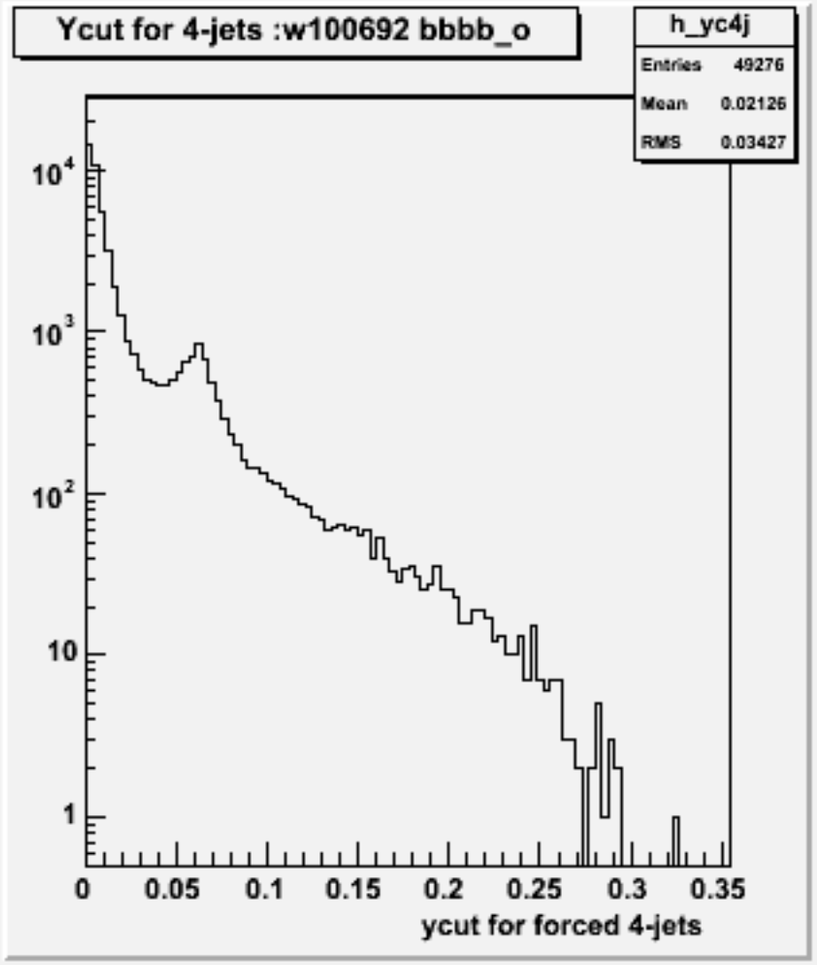

No. jets (ycut=0.001) : w100692 bbbb_o
h_njets
Entries 49466
Mean 5.923
RMS 1.164
No. of jets

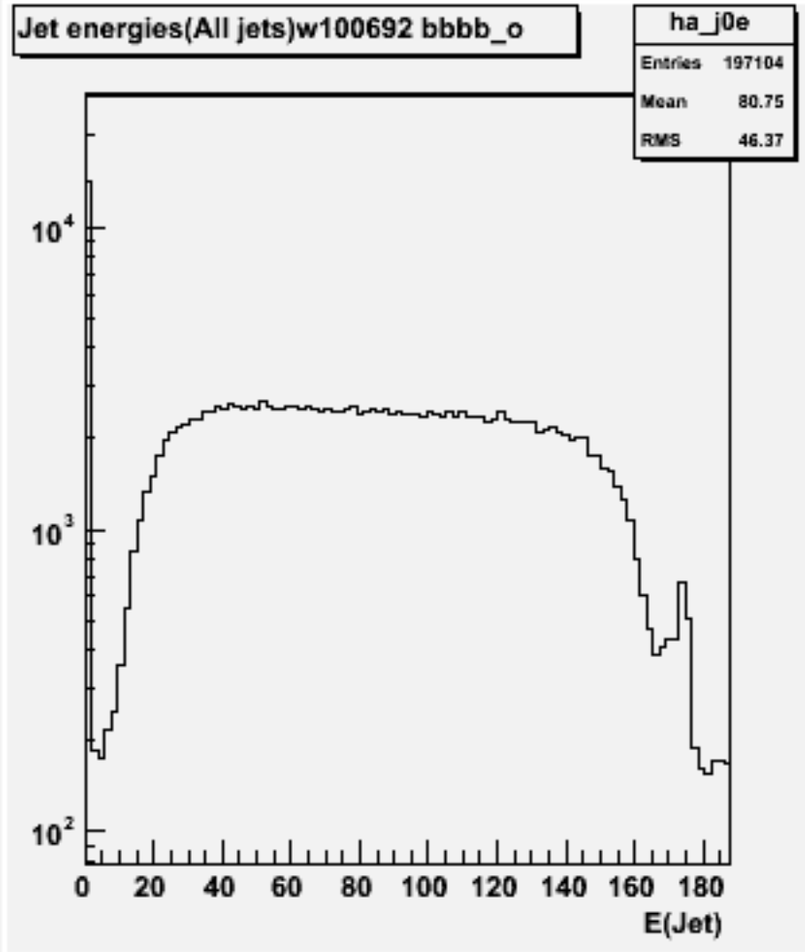

Ycut for 2-jets :w100692 bbbb_o
h_yc2j
Entries 49466
Mean 0.2014
RMS 0.2738
ycut for forced 2-jets

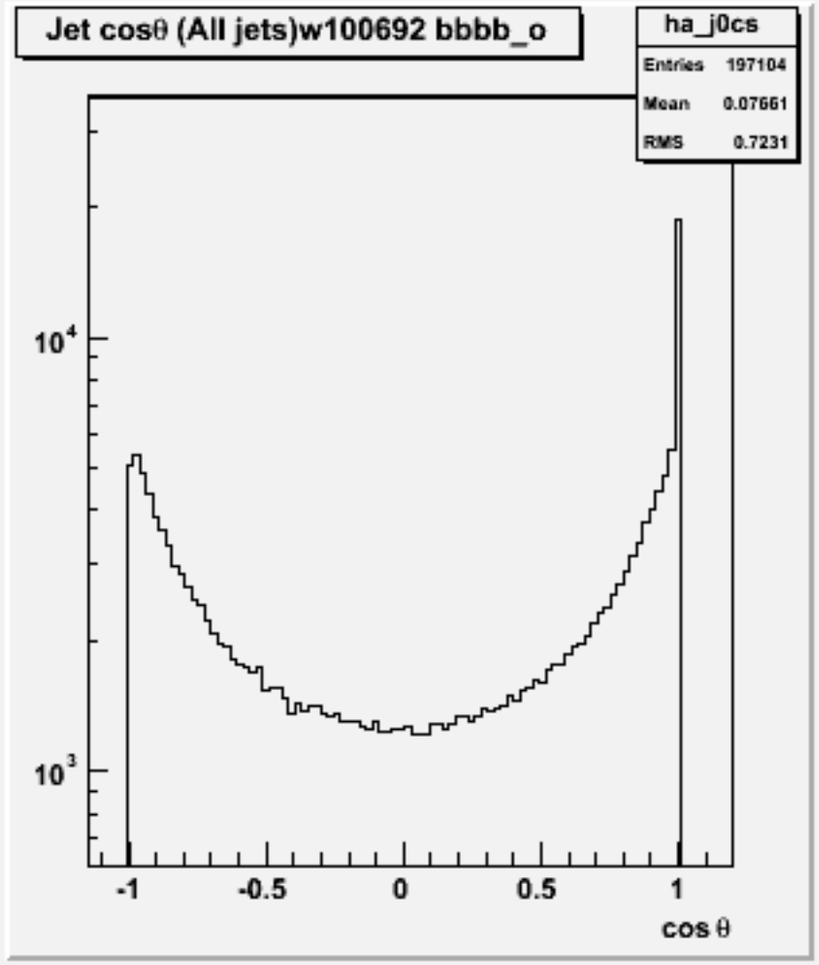

energy for 2-jets :w100692 bbbb_o
h_j0e
Entries 98932
Mean 145.8
RMS 56.7
Jet energy (GeV)

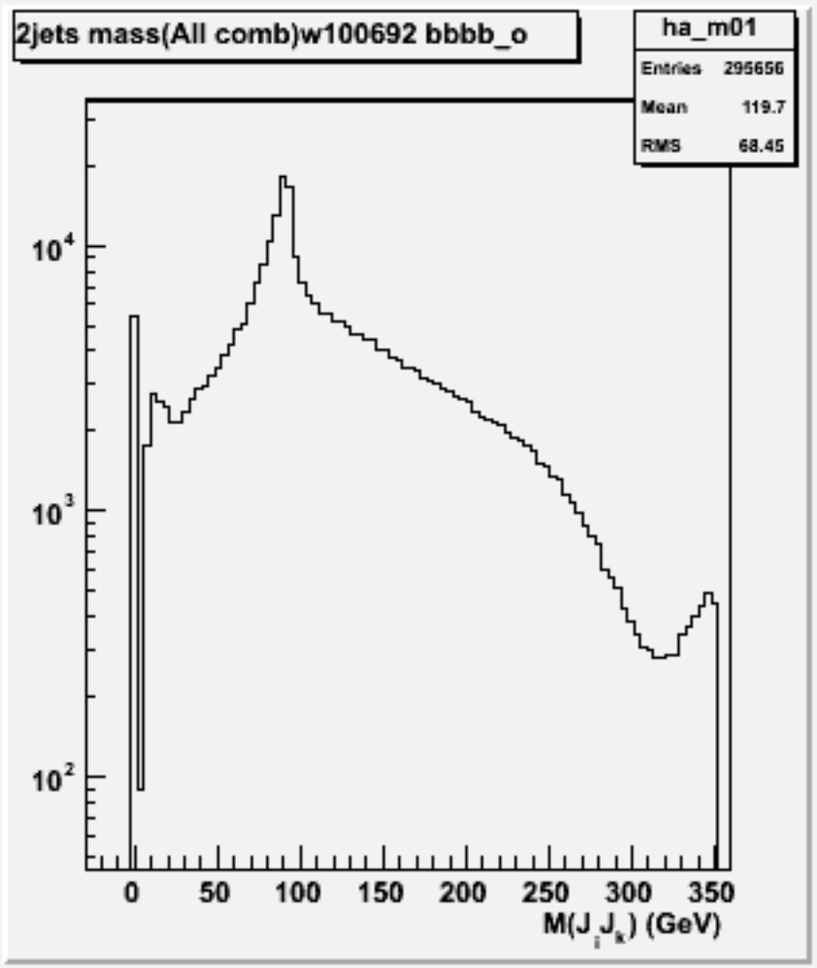

cosθ for 2-jets :w100692 bbbb_o
h_j0cs
Entries 98932
Mean 0.08938
RMS 0.8011
cos θ(jet)


Jet mass for forced 2-jets : w100692 bbbb_o
h_j0mj1m
Entries 49466
Mean x 122.7
Mean y 75.06
RMS x 108.9
RMS y 54.48
Mass(jet2)
Mass(jet1)


Ycut for 4-jets :w100692 bbbb_o
h_yc4j
Entries 49276
Mean 0.02126
RMS 0.03427
ycut for forced 4-jets


Jet energies(All jets)w100692 bbbb_o
ha_j0e
Entries 197104
Mean 80.75
RMS 46.37
E(Jet)


Jet cosθ (All jets)w100692 bbbb_o
ha_j0cs
Entries 197104
Mean 0.07661
RMS 0.7231
cos θ


2jets mass(All comb)w100692 bbbb_o
ha_m01
Entries 295656
Mean 119.7
RMS 68.45
M(J_iJ_k) (GeV)