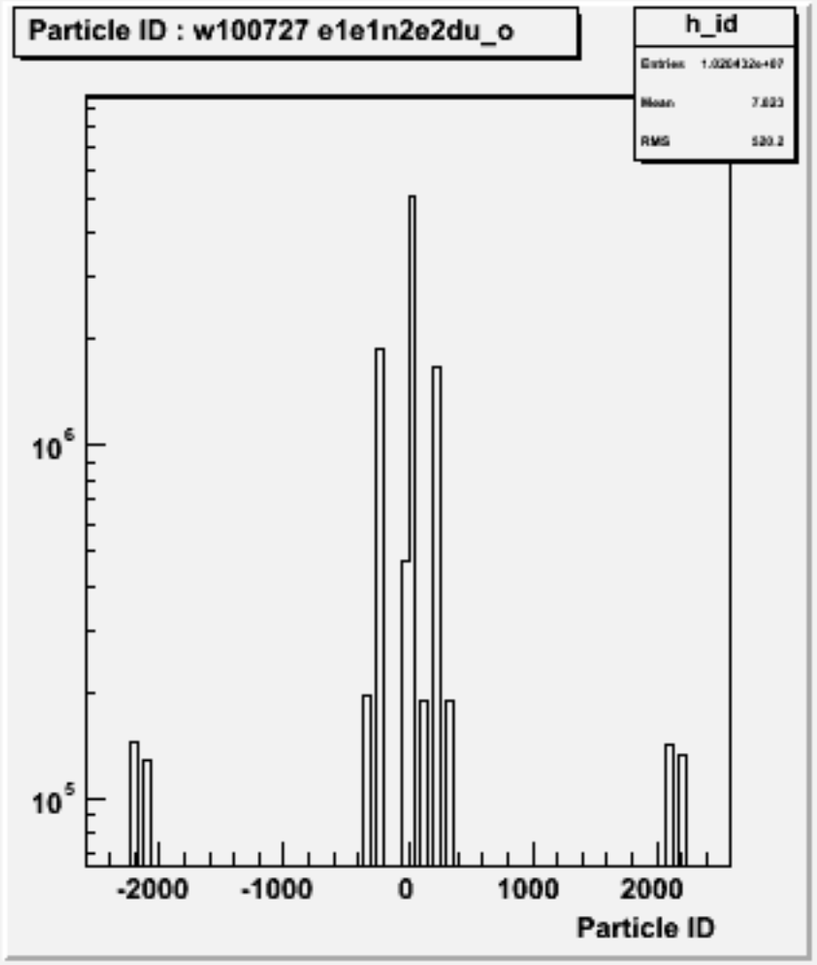
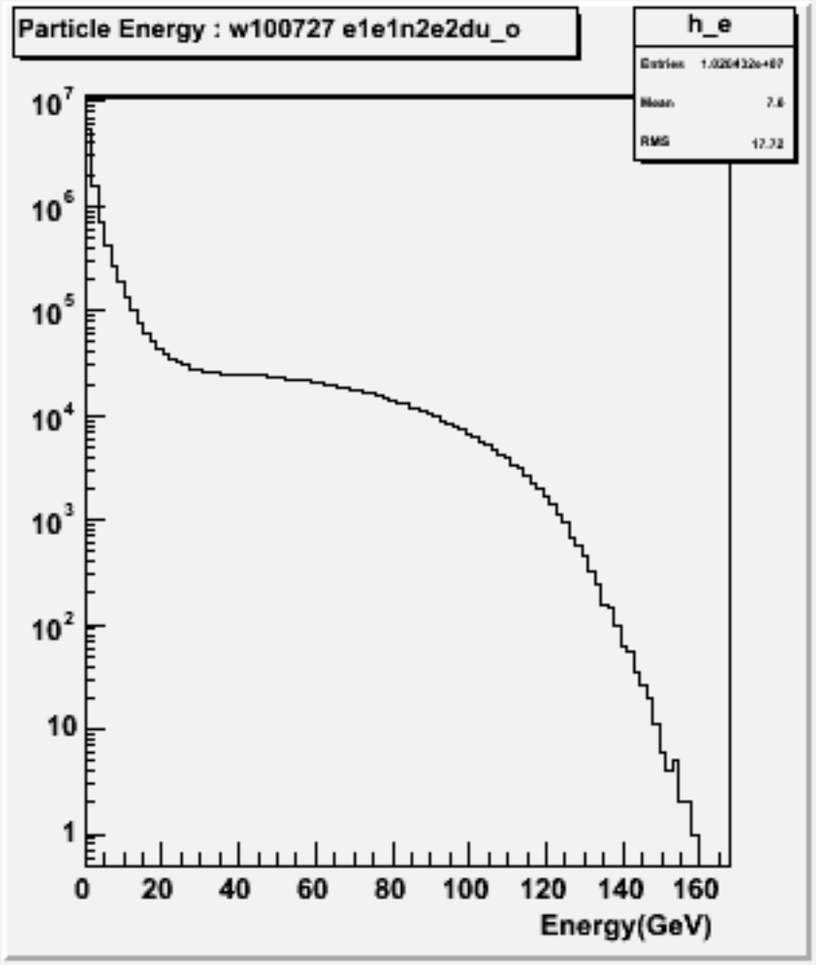
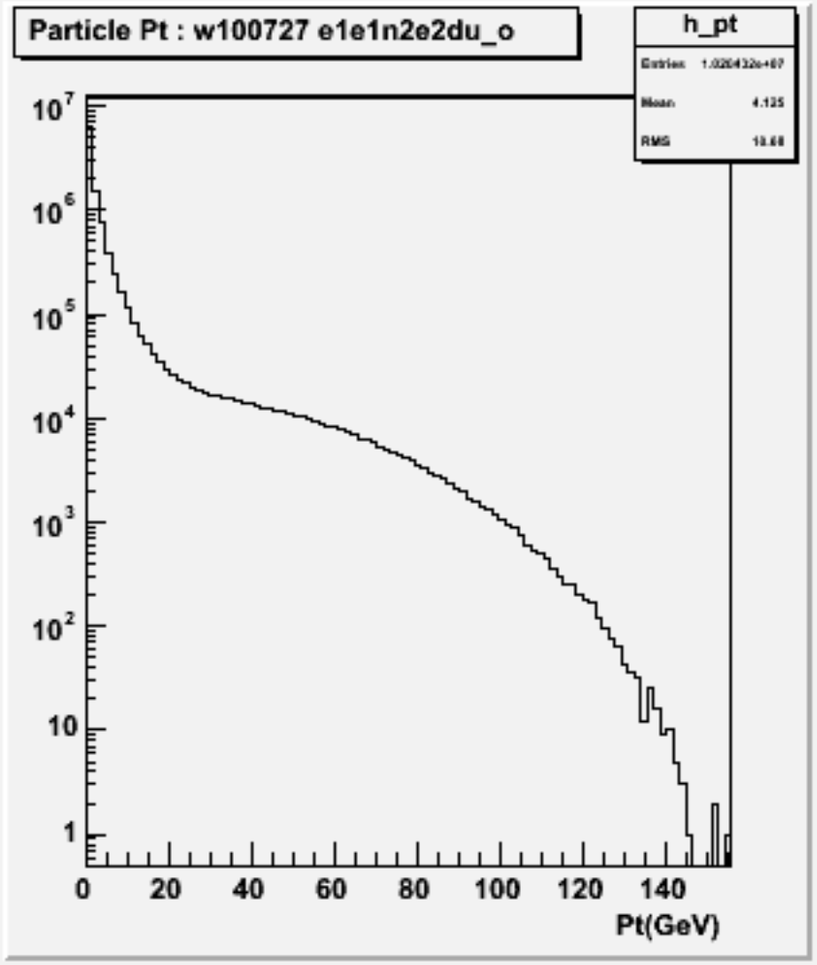
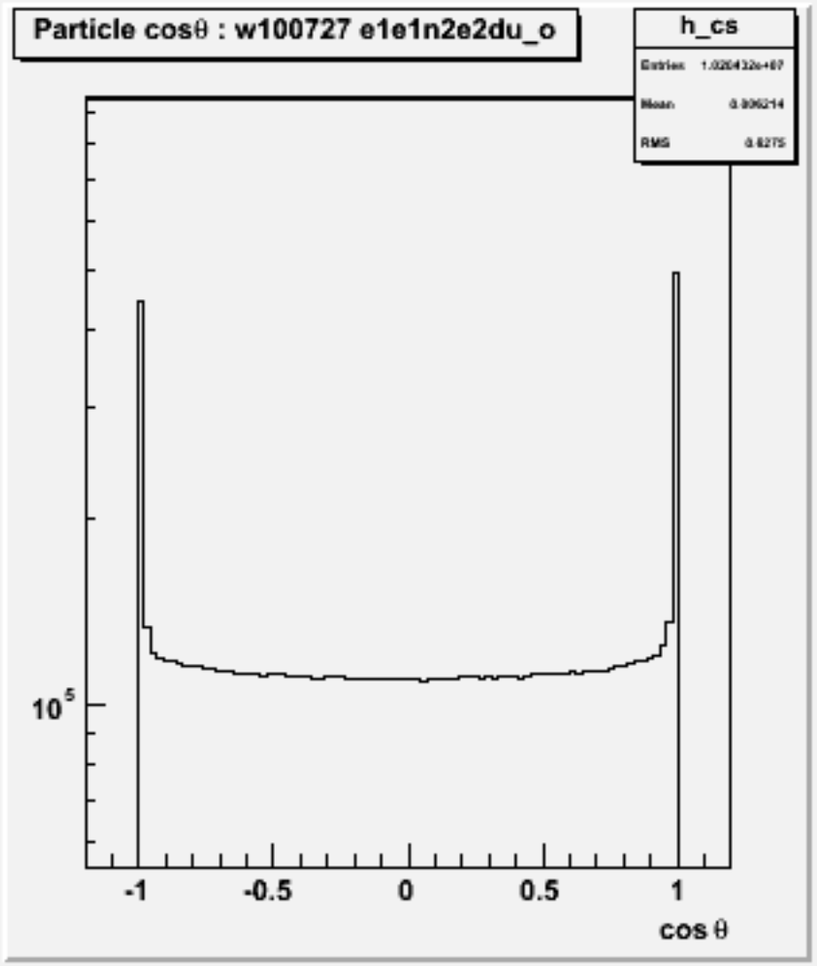
Generator file information: w100727 e1e1n2e2du_o

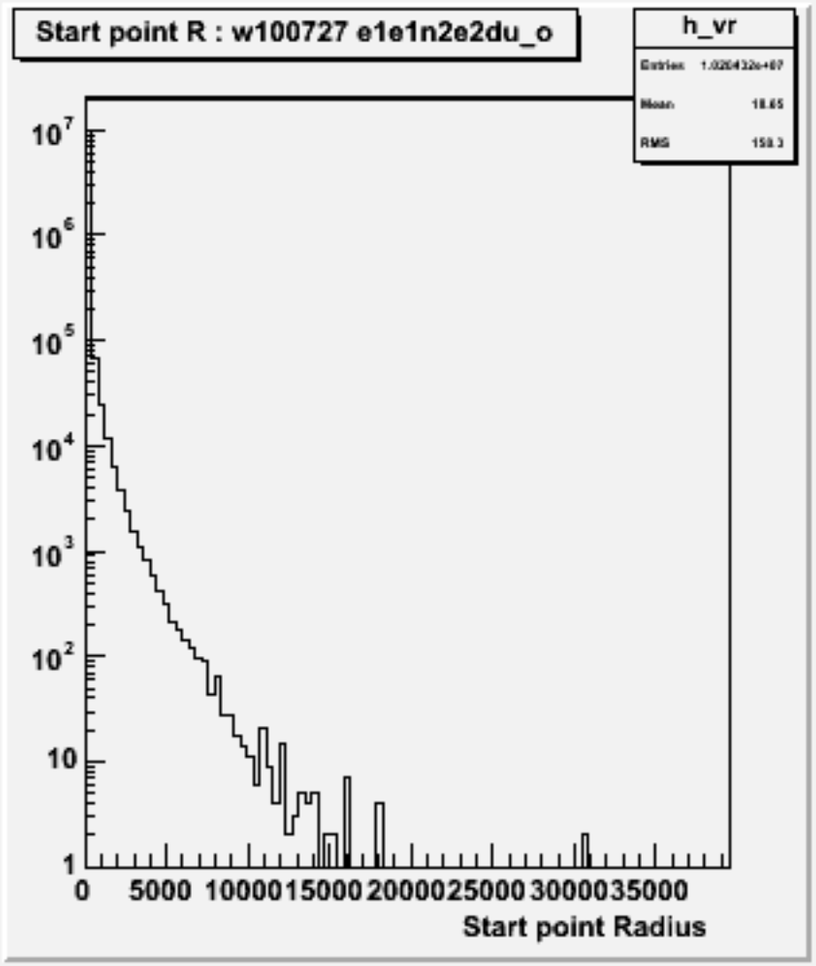
process_id=w100727
job_date_time=100625-221827
process_name=e1e1n2e2du_o
CM_energy_in_GeV=350
program_name_version=whizard-1.40
beam_particle1=e1
beam_particle2=E1
polarization1=-1.0
polarization2=-1.0
luminosity=1000
cross_section_in_fb=695.016775027368
lumi_file=/tmp/lumi_linker_directory/lumi_linker_008
file_type=stdhep
total_number_of_events=695017
number_of_files=4
file_names=w100727_01.stdhep;w100727_02.stdhep;w100727_03.stdhep;w100727_04.stdh
number_of_events_in_files=222911;223019;223038;26049
fileurl=lfn:/grid/ilc/users/miyamoto/CDS/generated/0350
logurl=http://www-jlc.in.kek.jp/~miyamoto/CDS/0350/run_output/w100727/run_01
comment=

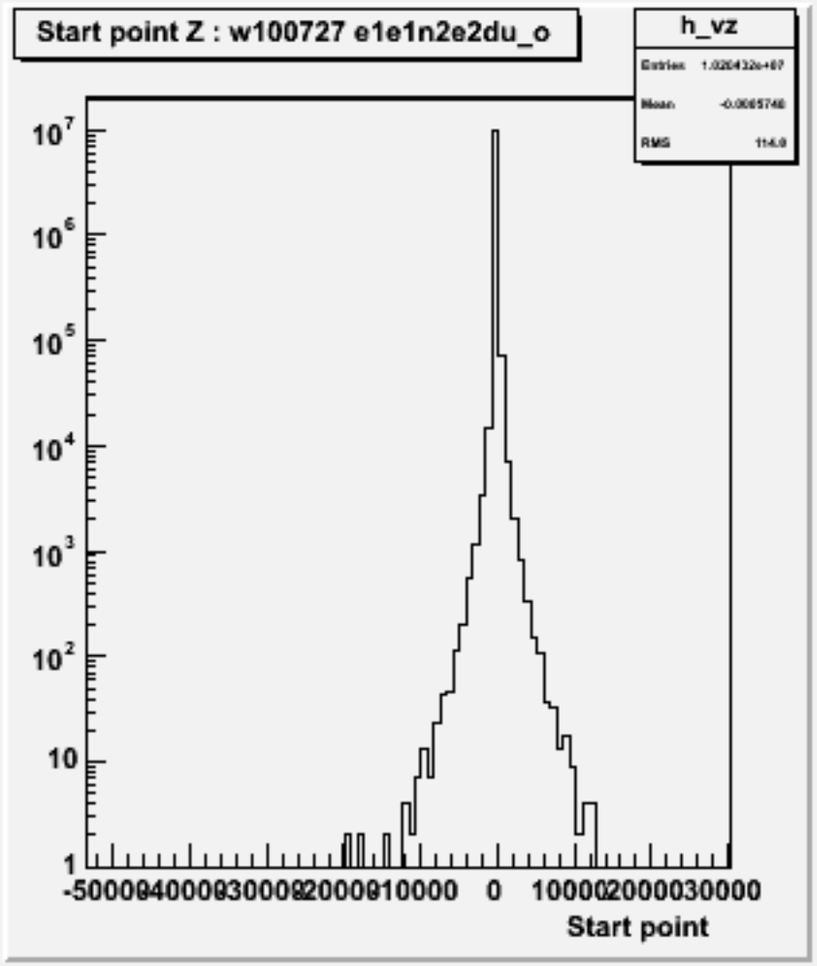

Particle ID : w100727 e1e1n2e2du_o
h_id
Entries 1.020432e+07
Mean 7.833
RMS 520.2
10^6
10^5
-2000
-1000
0
1000
2000
Particle ID

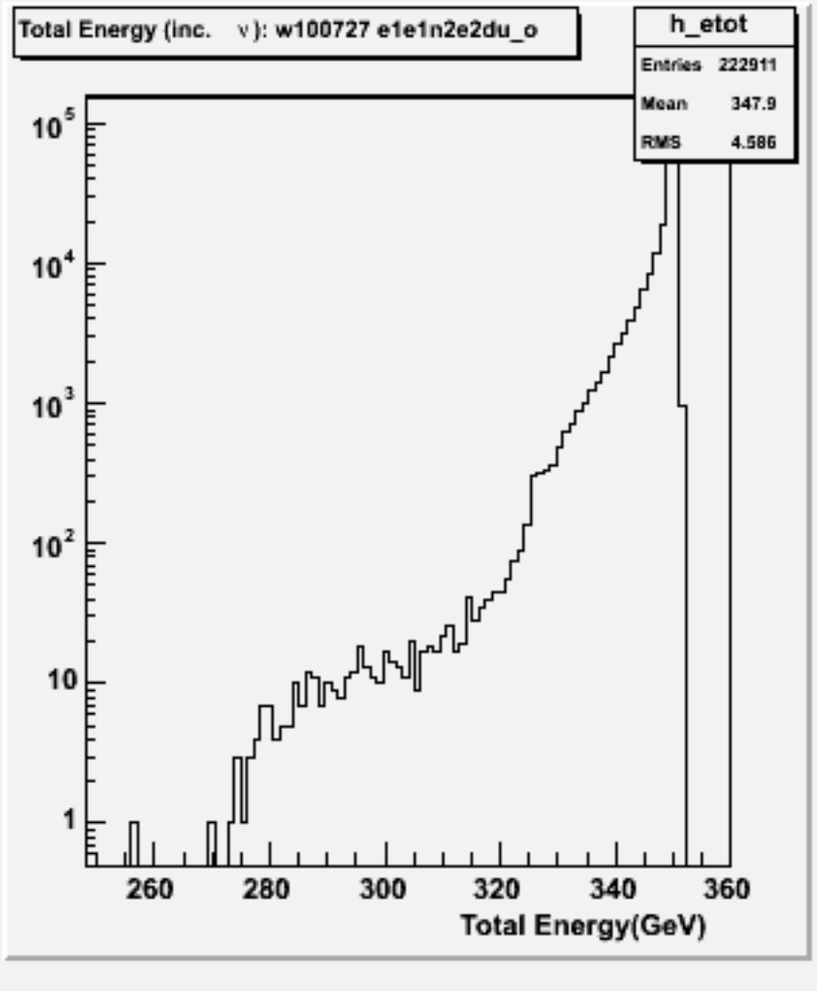

Particle Energy : w100727 e1e1n2e2du_o
h_e
Entries 1.020432e+07
Mean 7.6
RMS 17.72
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
160
Energy(GeV)

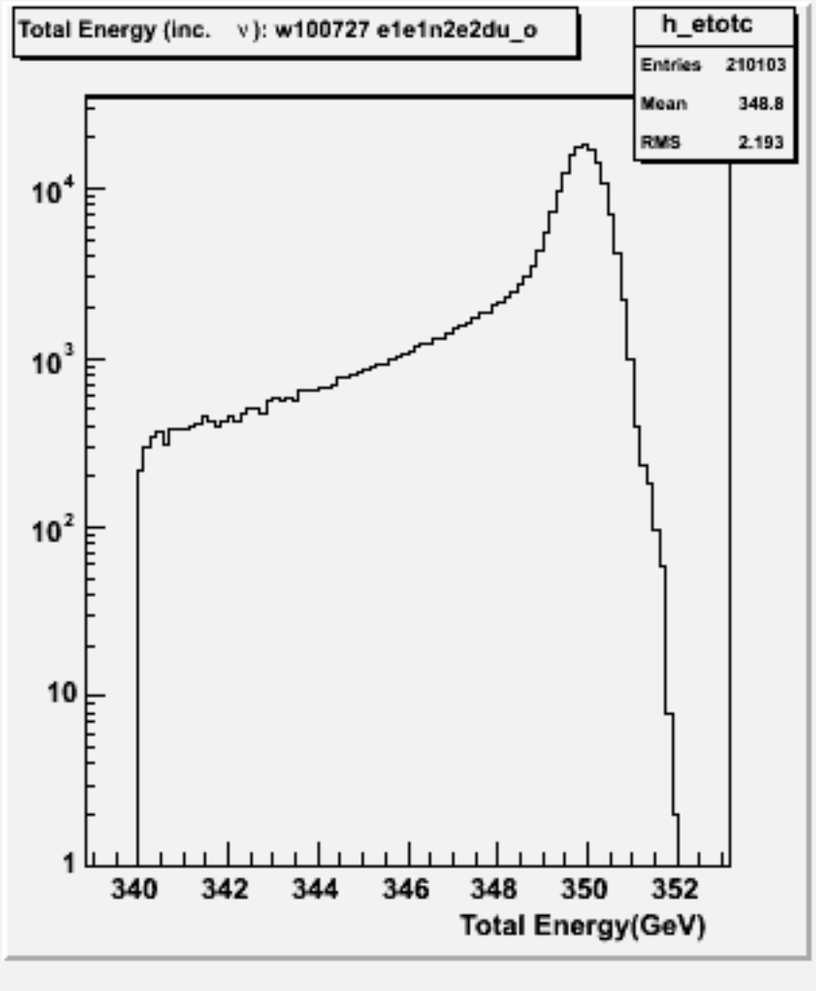

Particle Pt : w100727 e1e1n2e2du_o
h_pt
Entries 1.020432e+07
Mean 4.135
RMS 10.68
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120
140
Pt(GeV)

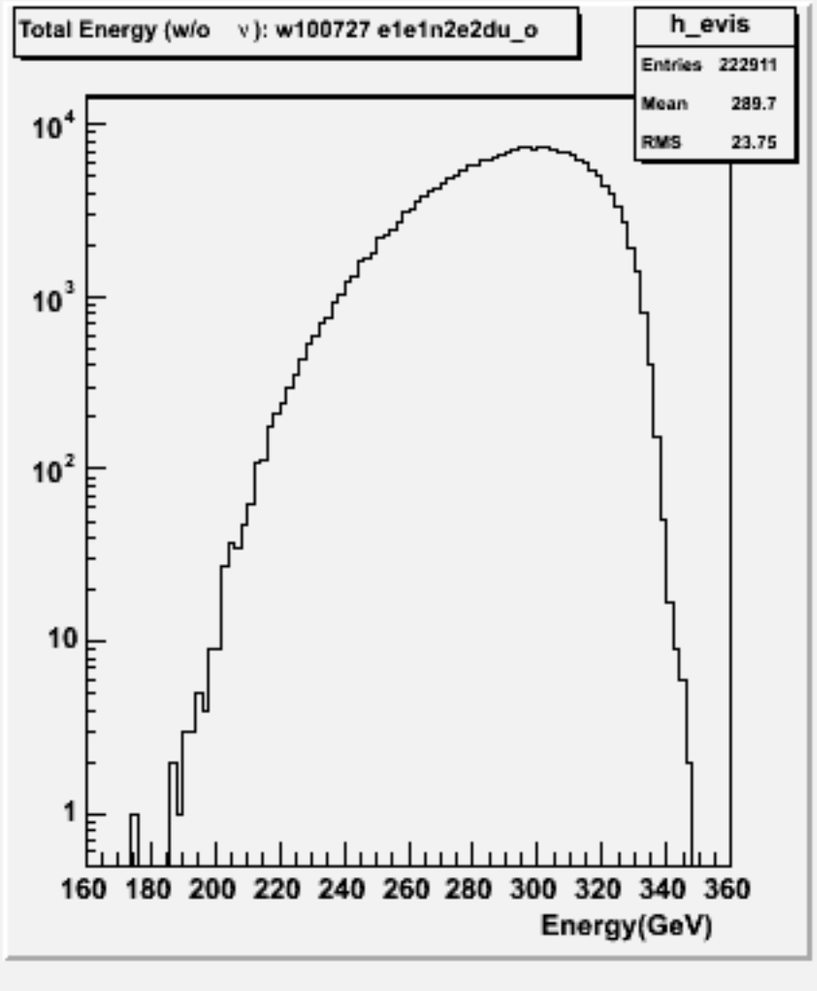

Particle cosθ : w100727 e1e1n2e2du_o
h_cs
Entries 1.020432e+07
Mean 0.006214
RMS 0.6275
10^5
-1
-0.5
0
0.5
1
cos θ

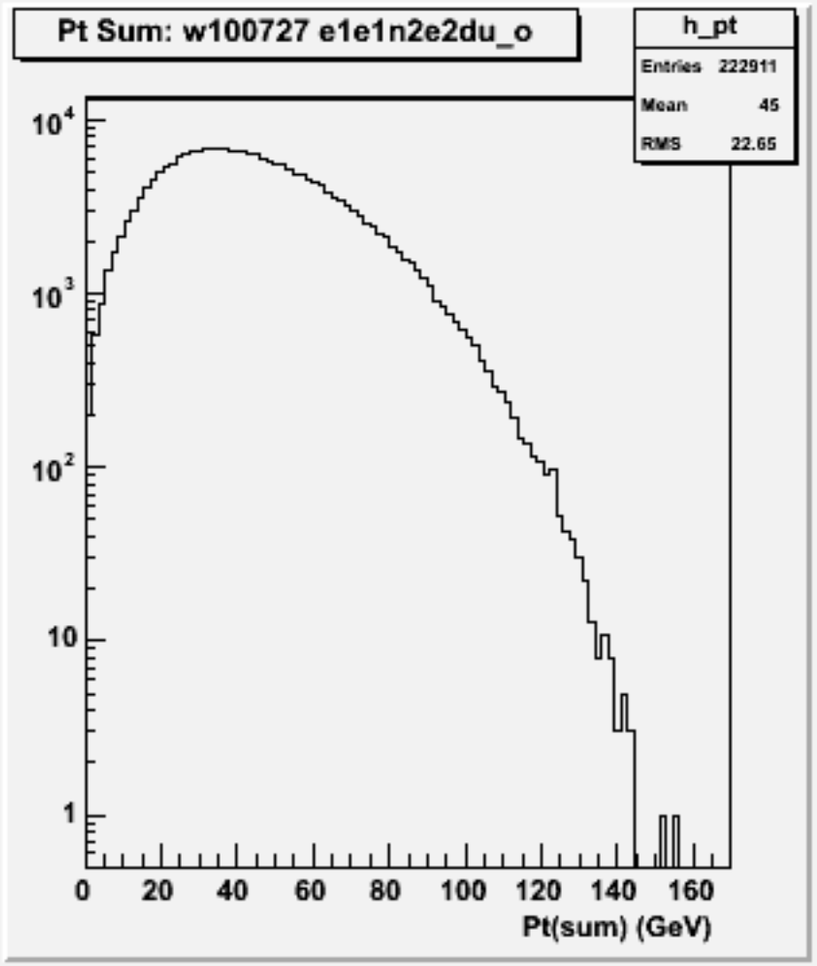

Start point R : w100727 e1e1n2e2du_o
h_vr
Entries 1.020432e+07
Mean 18.65
RMS 159.3
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
5000
10000
15000
20000
25000
30000
35000
Start point Radius

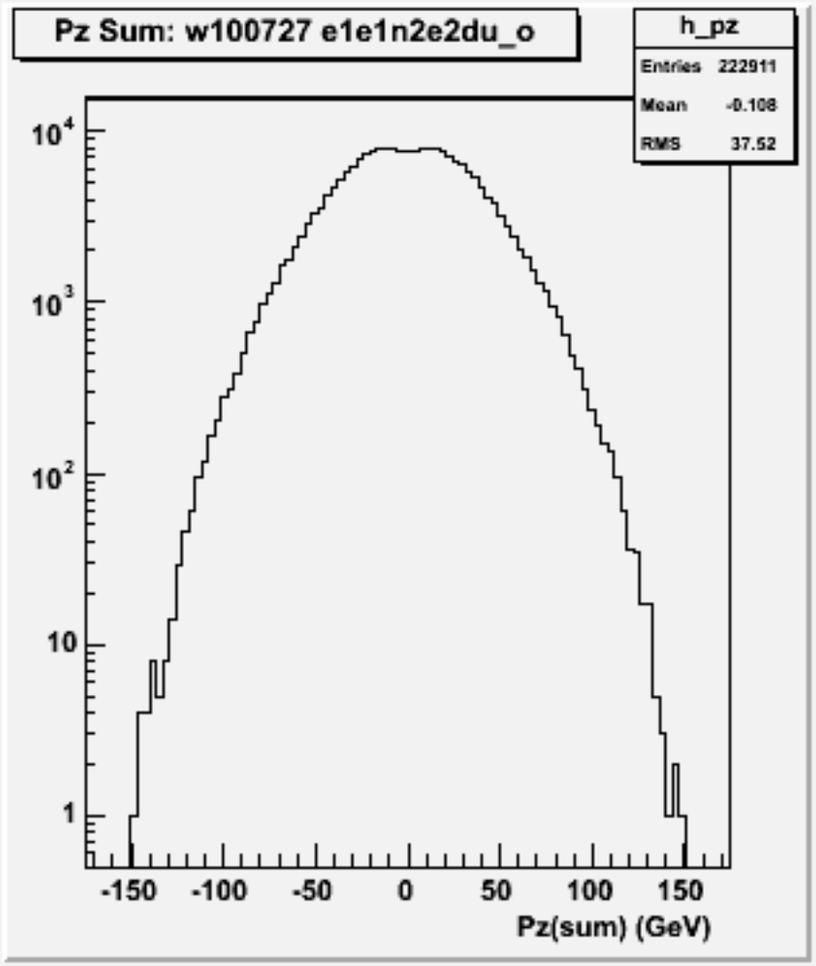

Start point Z : w100727 e1e1n2e2du_o
h_vz
Entries 1.020432e+07
Mean -0.0065748
RMS 114.0
10^7
10^6
10^5
10^4
10^3
10^2
10
1
-50000
-40000
-30000
-20000
-10000
0
10000
20000
30000
Start point

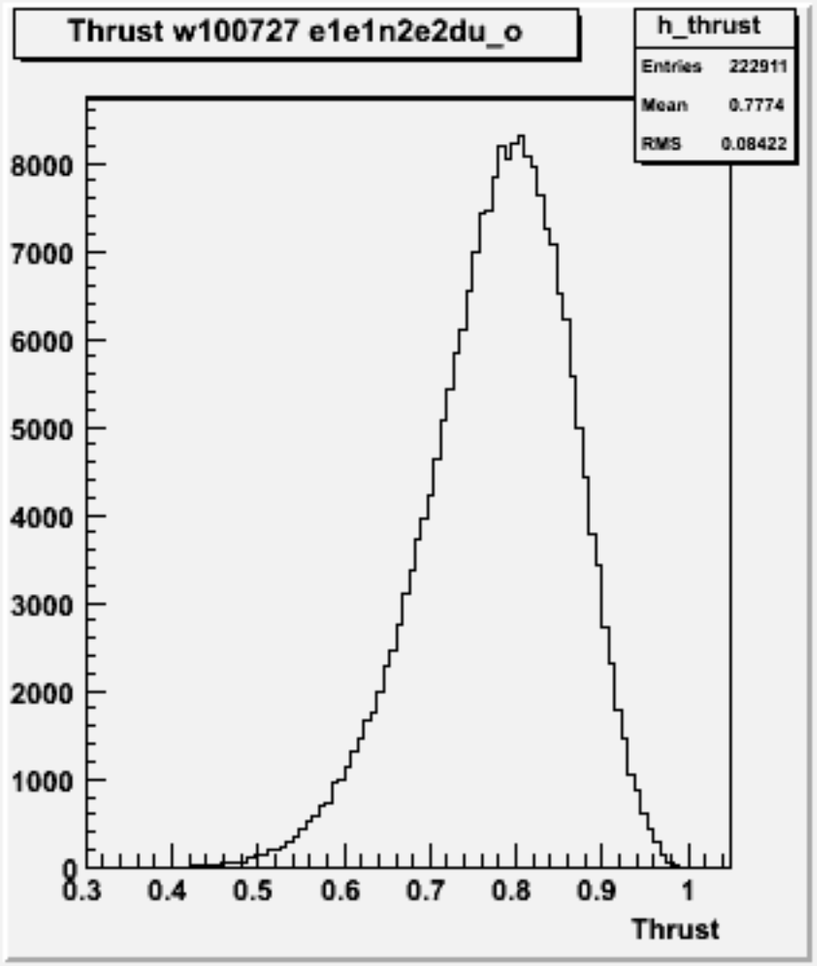

Total Energy (inc. ν): w100727 e1e1n2e2du_o
h_etot
Entries 222911
Mean 347.9
RMS 4.586
Total Energy(GeV)

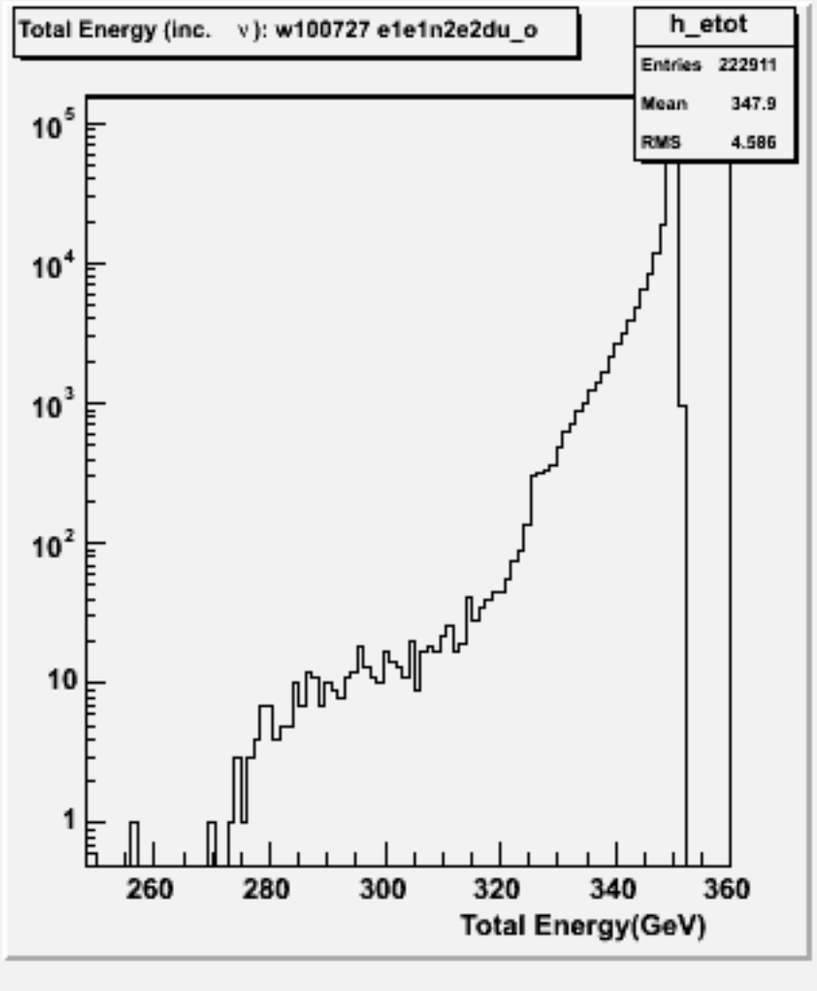

Total Energy (inc. ν): w100727 e1e1n2e2du_o
h_etotc
Entries 210103
Mean 348.8
RMS 2.193
Total Energy(GeV)

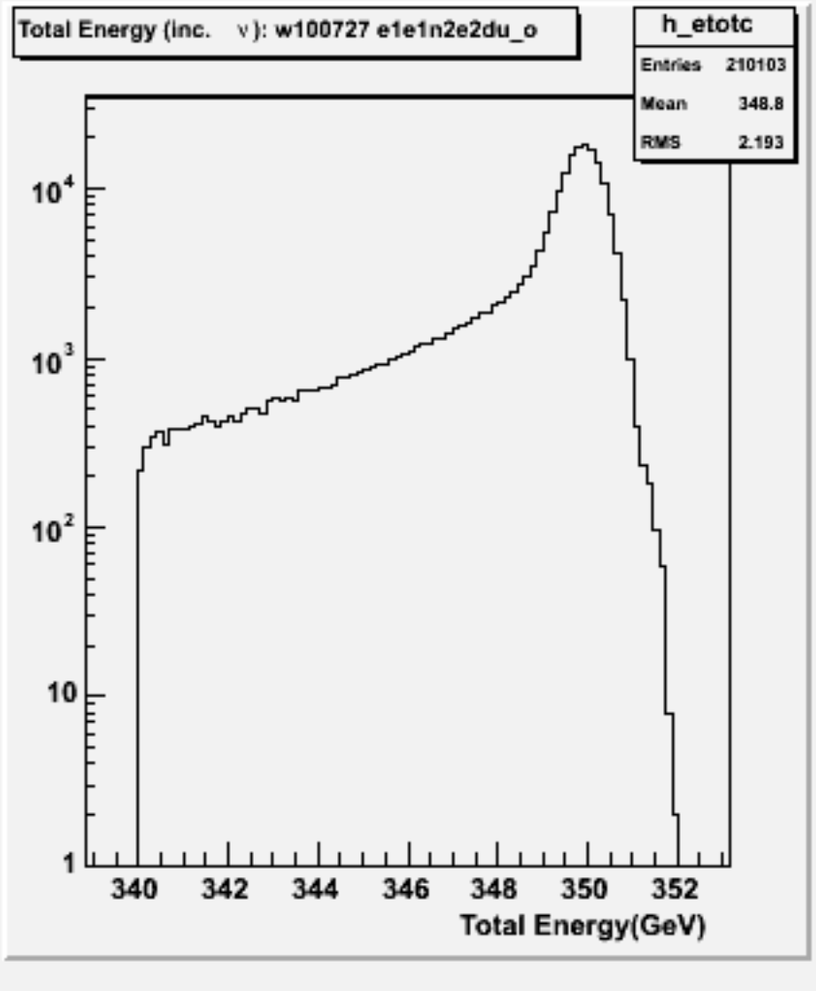

Total Energy (w/o ν): w100727 e1e1n2e2du_o
h_evis
Entries 222911
Mean 289.7
RMS 23.75
Energy(GeV)

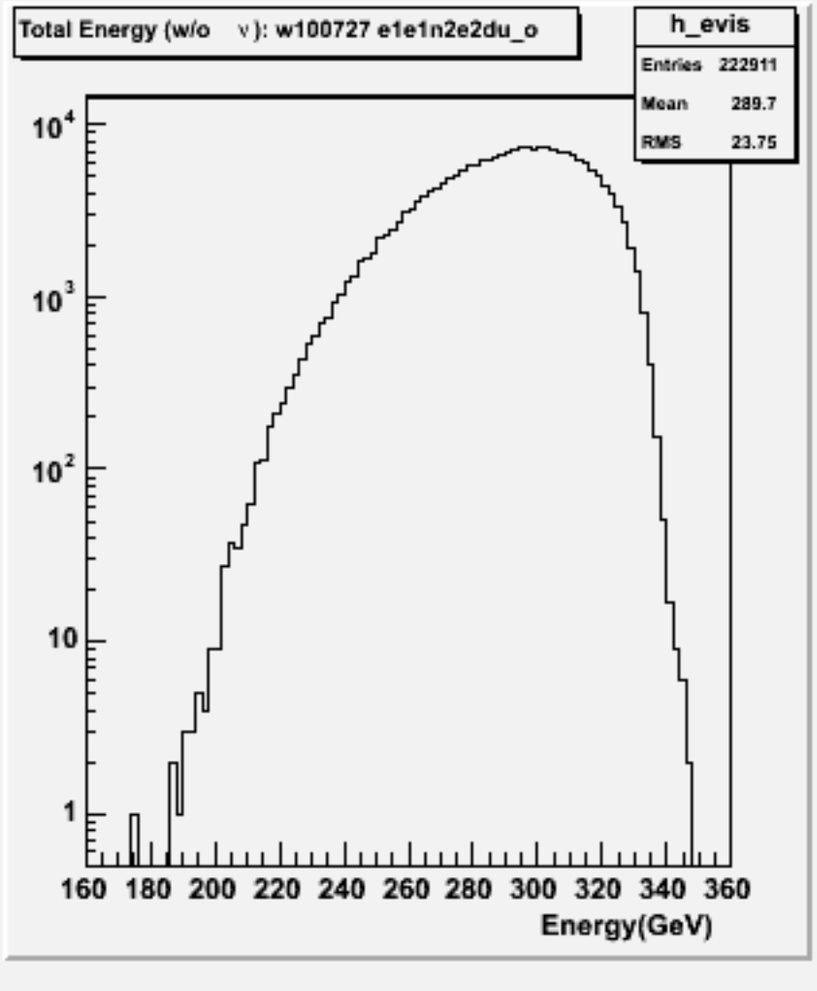

Pt Sum: w100727 e1e1n2e2du_o
h_pt
Entries 222911
Mean 45
RMS 22.65
Pt(sum) (GeV)

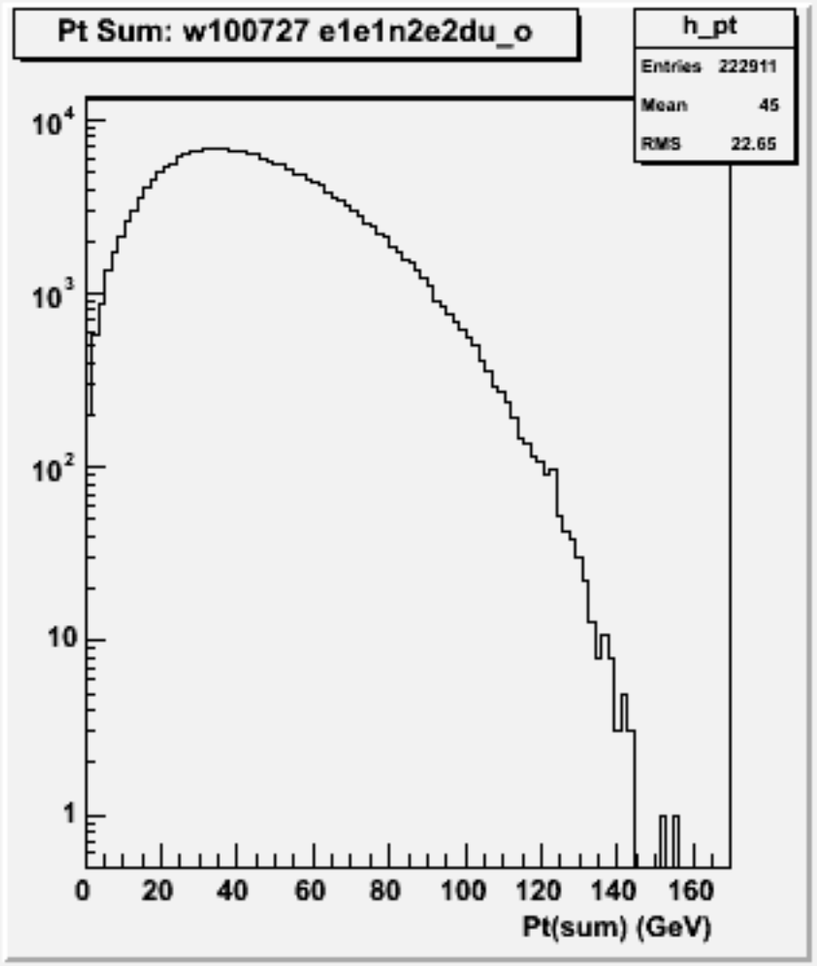

Pz Sum: w100727 e1e1n2e2du_o
h_pz
Entries 222911
Mean -0.108
RMS 37.52
Pz(sum) (GeV)

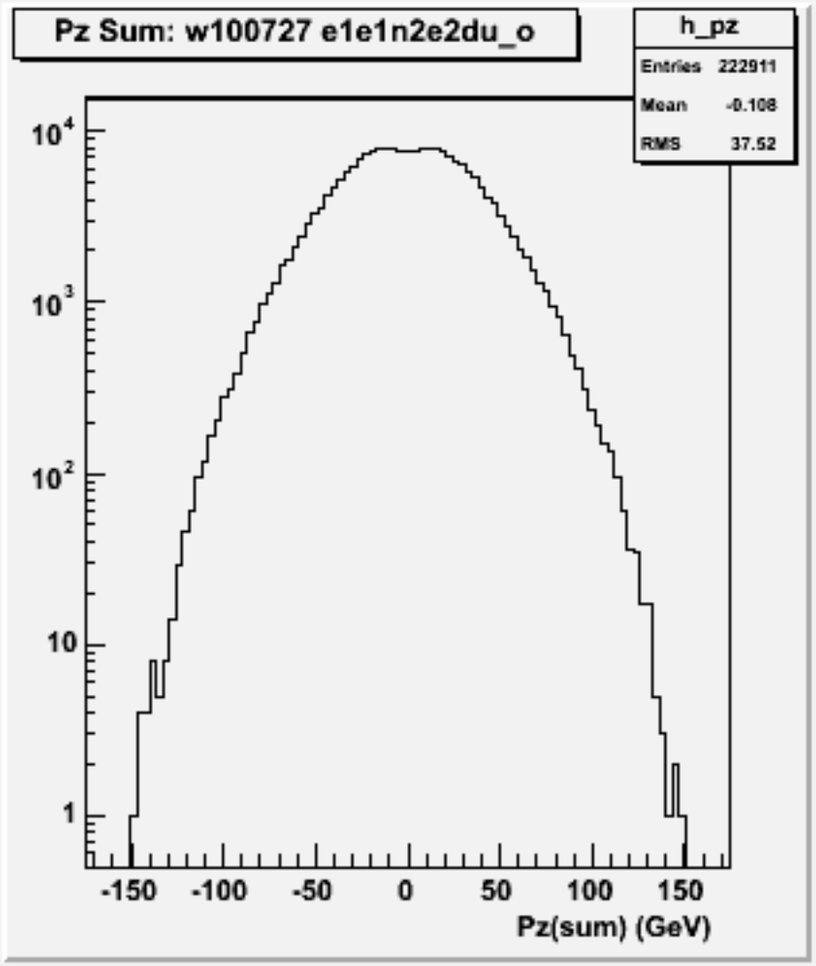

Thrust w100727 e1e1n2e2du_o
h_thrust
Entries 222911
Mean 0.7774
RMS 0.08422
Thrust

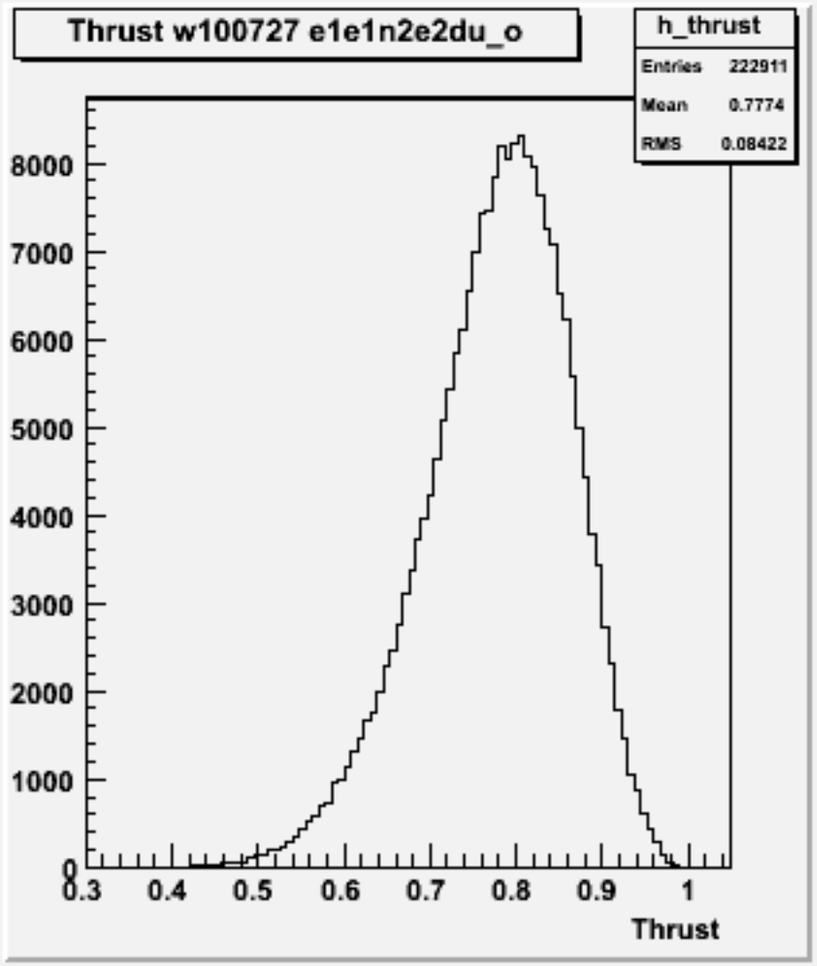

Total Energy (inc. ν): w100727 e1e1n2e2du_o
h_etot
Entries 222911
Mean 347.9
RMS 4.586
Total Energy(GeV)

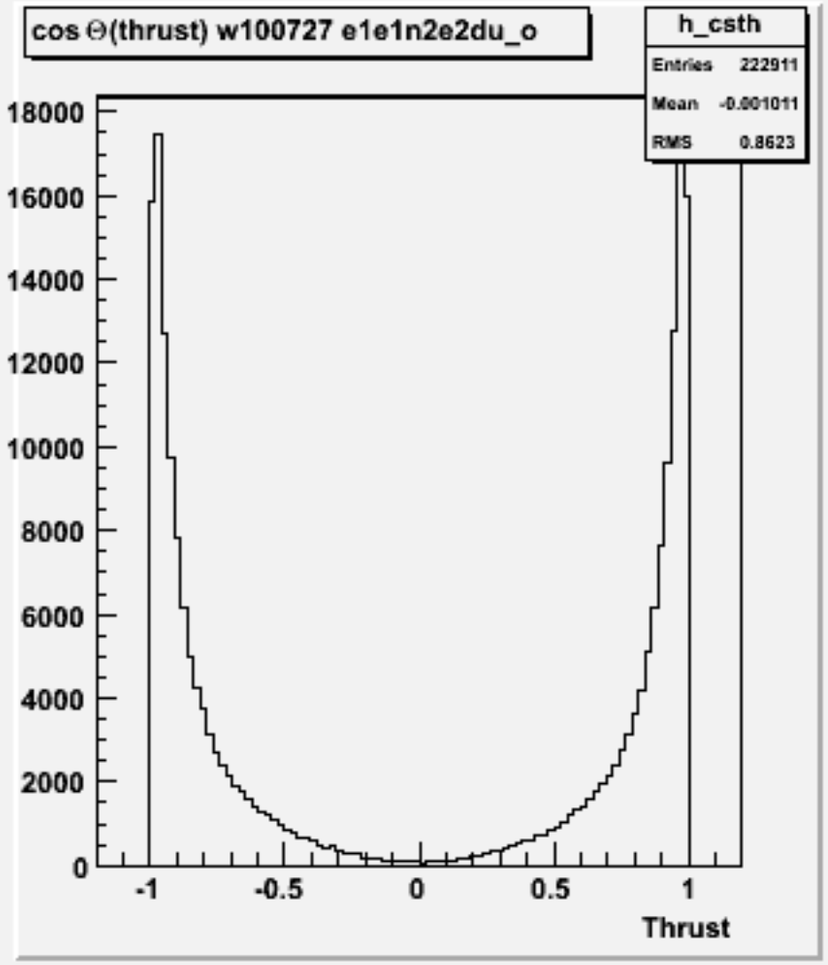

Total Energy (inc. ν): w100727 e1e1n2e2du_o
h_etotc
Entries 210103
Mean 348.8
RMS 2.193
Total Energy(GeV)

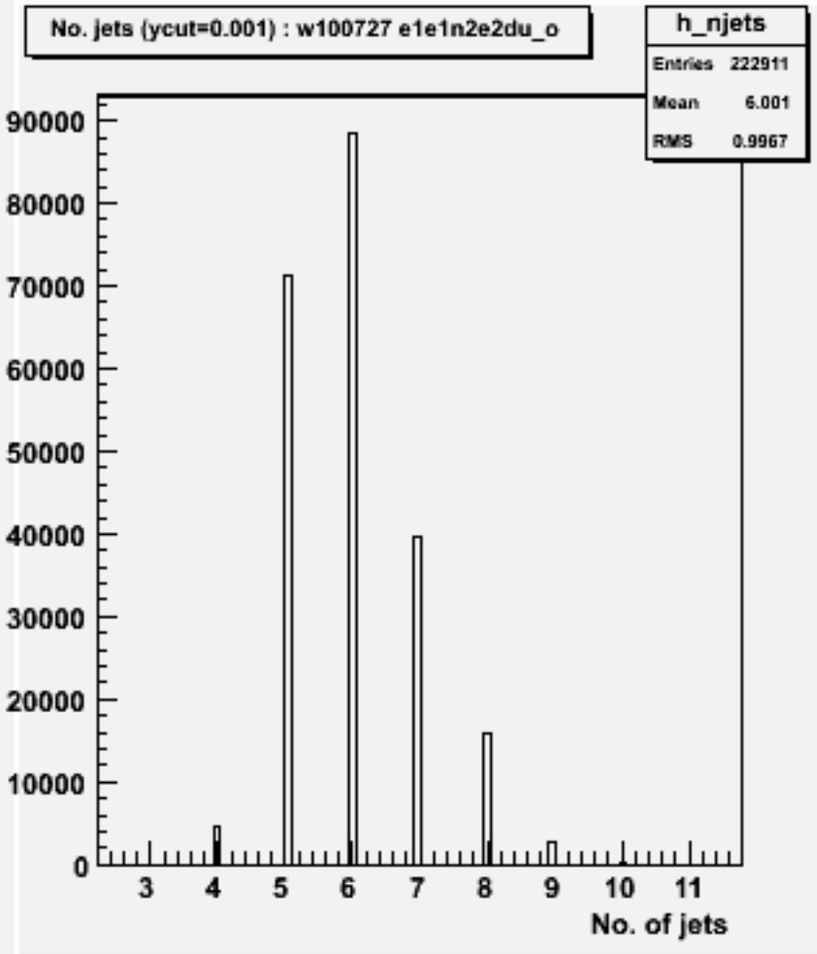

Total Energy (w/o ν): w100727 e1e1n2e2du_o
h_evis
Entries 222911
Mean 289.7
RMS 23.75
Energy(GeV)

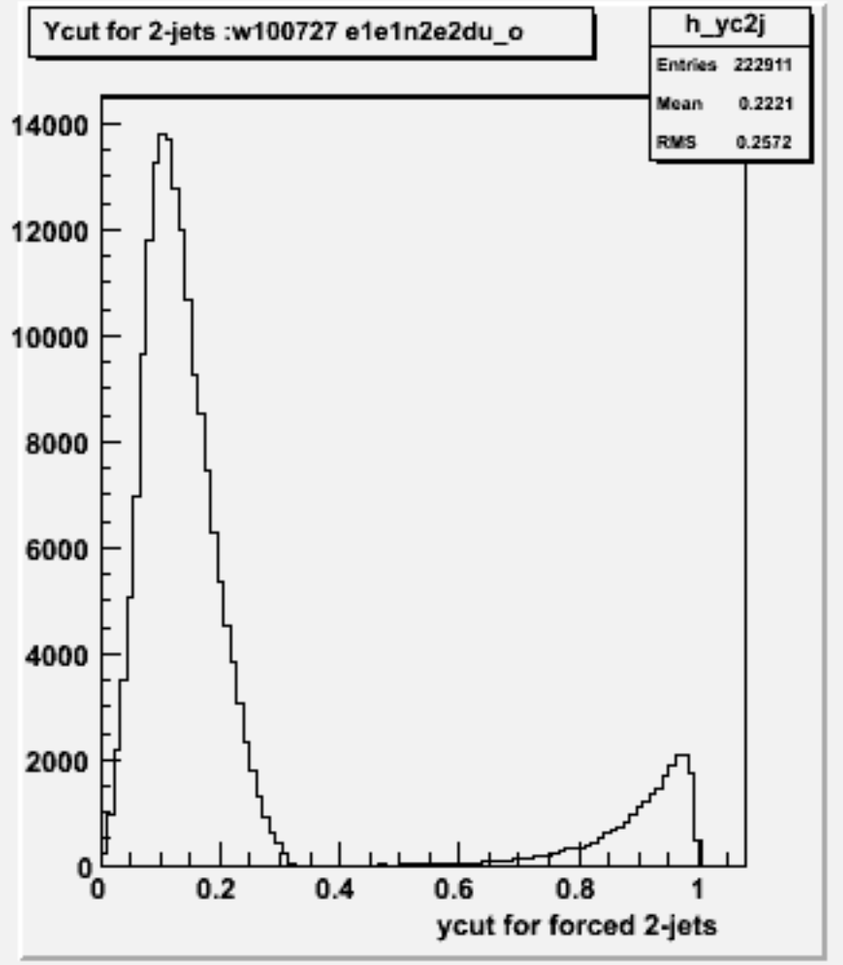

Pt Sum: w100727 e1e1n2e2du_o
h_pt
Entries 222911
Mean 45
RMS 22.65
Pt(sum) (GeV)

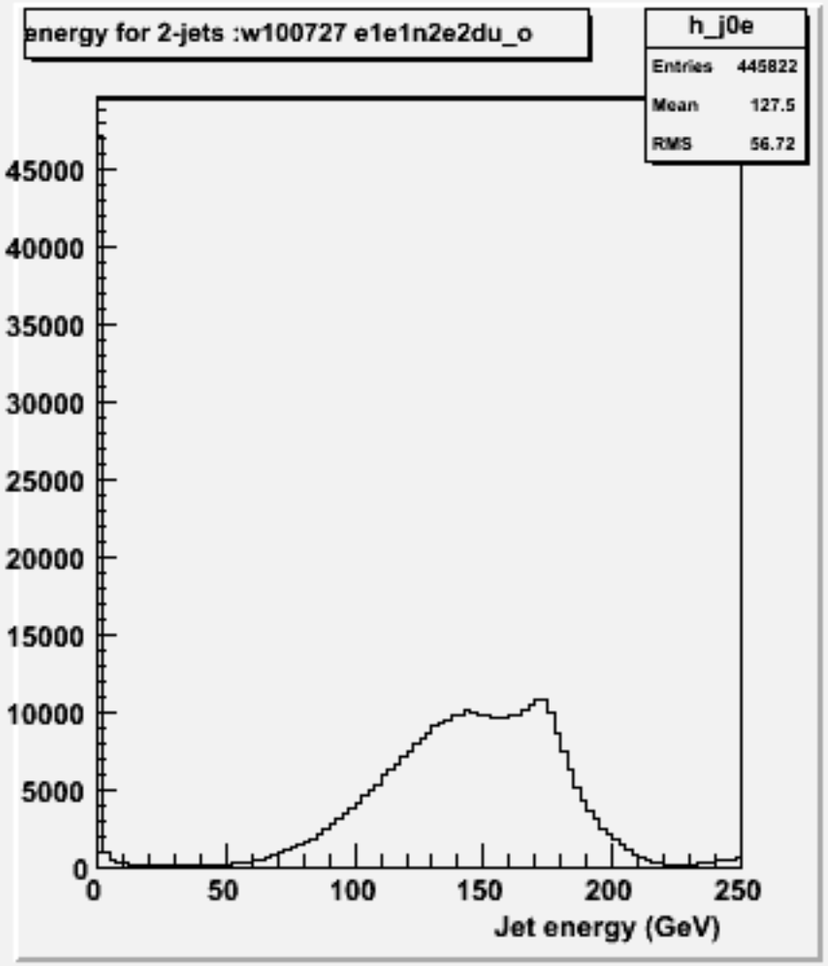

Pz Sum: w100727 e1e1n2e2du_o
h_pz
Entries 222911
Mean -0.108
RMS 37.52
Pz(sum) (GeV)

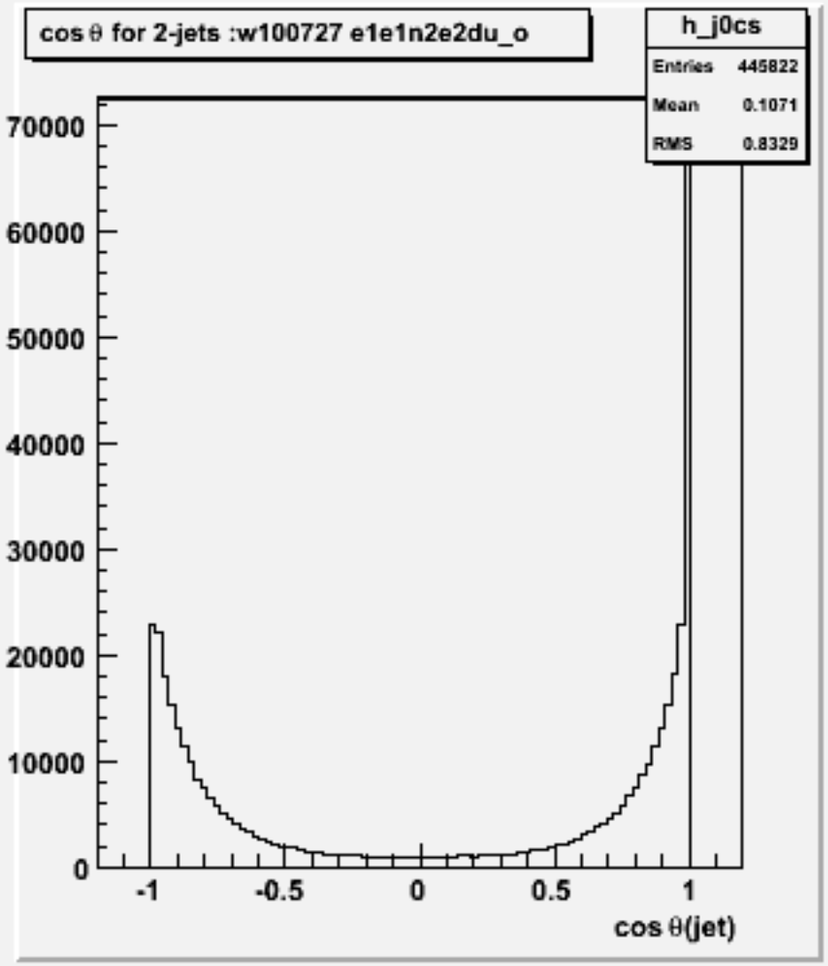

Thrust w100727 e1e1n2e2du_o
h_thrust
Entries 222911
Mean 0.7774
RMS 0.08422
Thrust

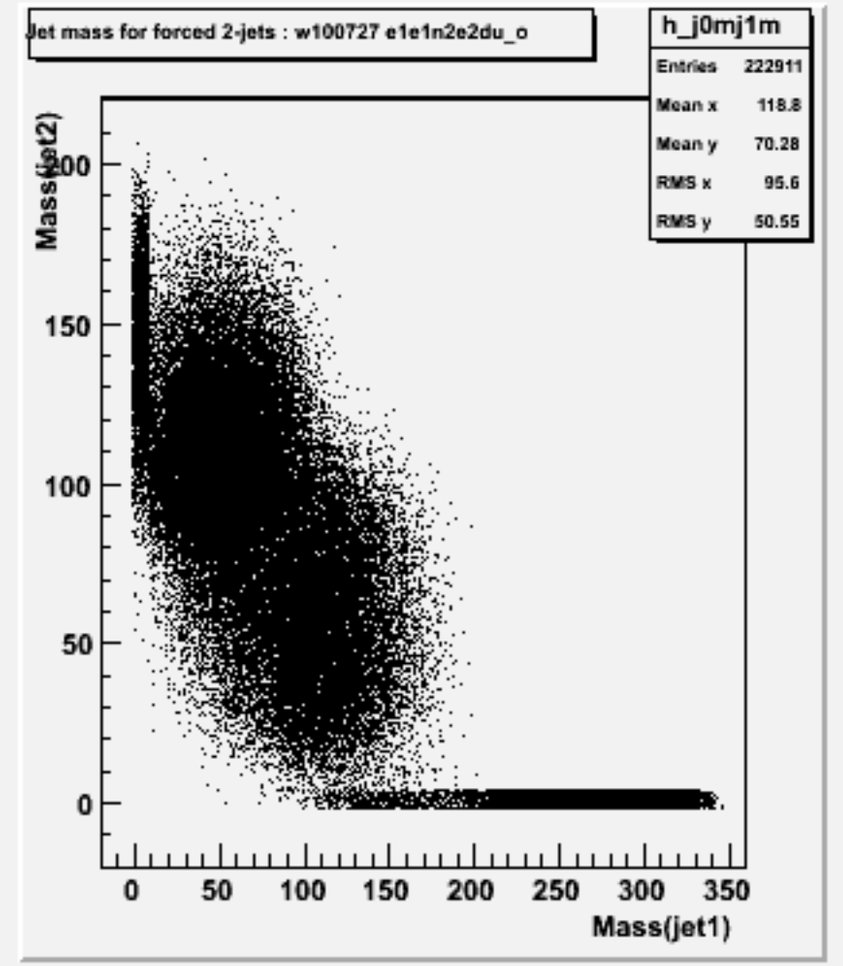

cos Θ(thrust) w100727 e1e1n2e2du_o
h_csth
Entries 222911
Mean -0.001011
RMS 0.8623
Thrust

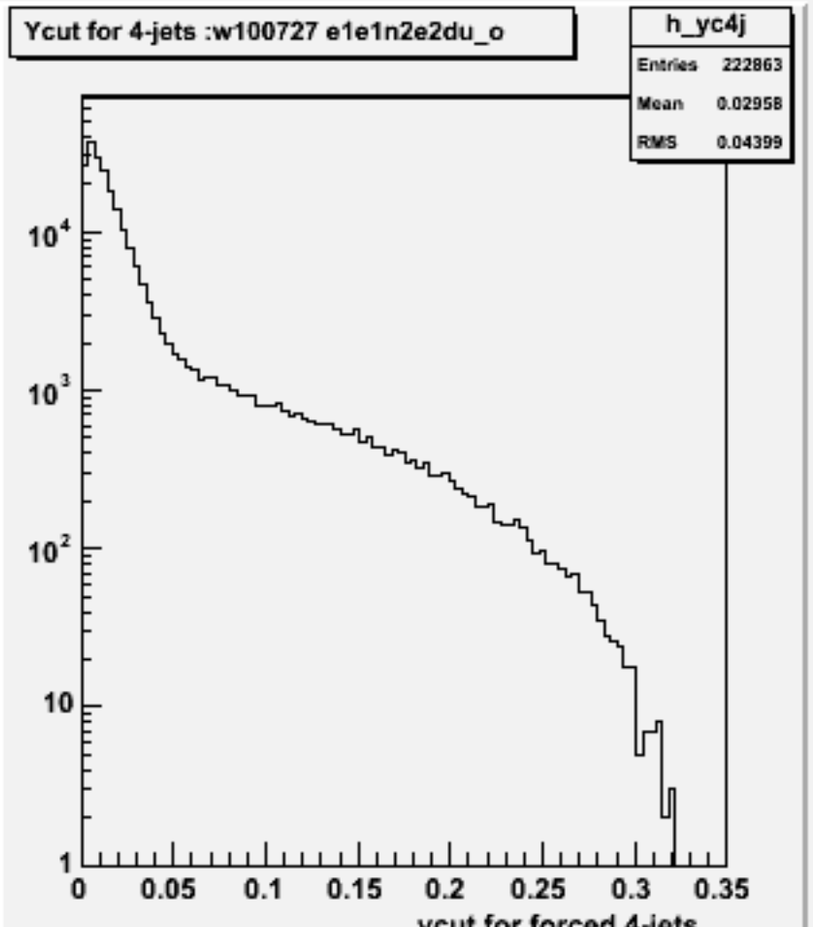

No. jets (ycut=0.001) : w100727 e1e1n2e2du_o
h_njets
Entries 222911
Mean 6.001
RMS 0.9967
No. of jets

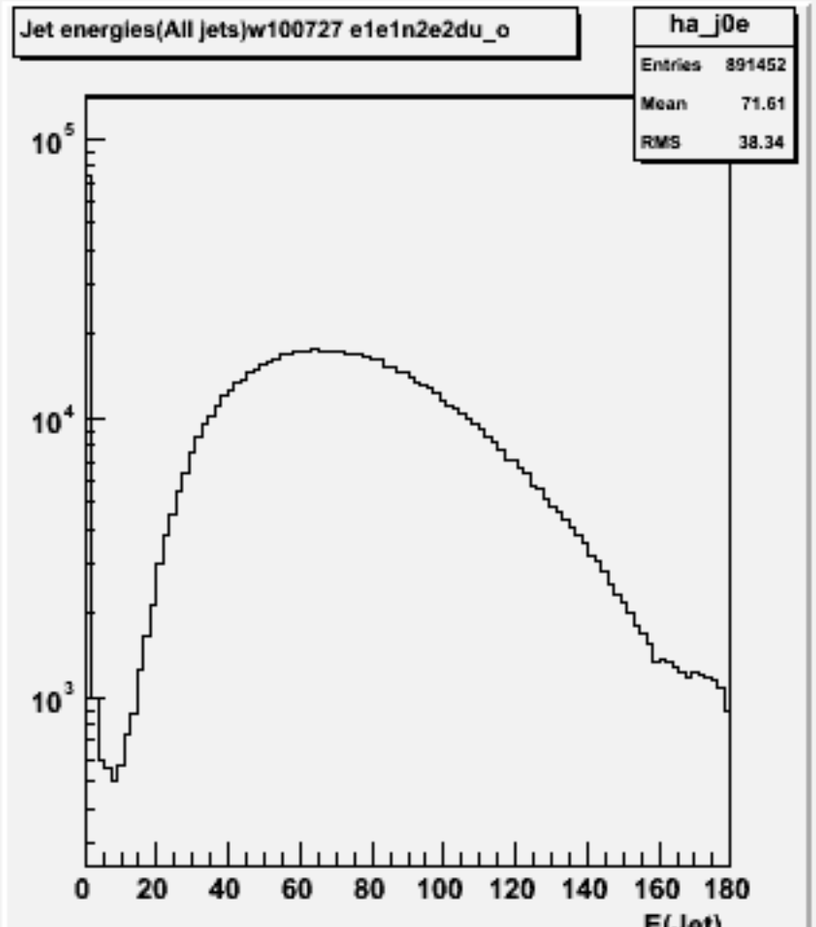

Ycut for 2-jets :w100727 e1e1n2e2du_o
h_yc2j
Entries 222911
Mean 0.2221
RMS 0.2572
ycut for forced 2-jets

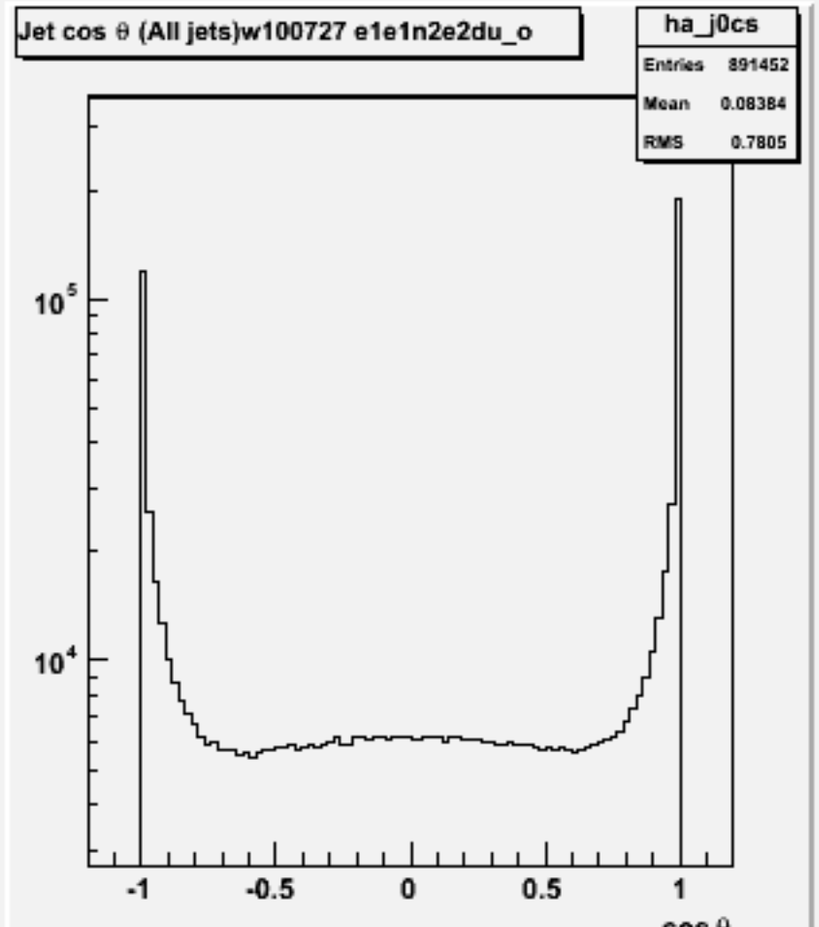

energy for 2-jets :w100727 e1e1n2e2du_o
h_j0e
Entries 445822
Mean 127.5
RMS 56.72
Jet energy (GeV)

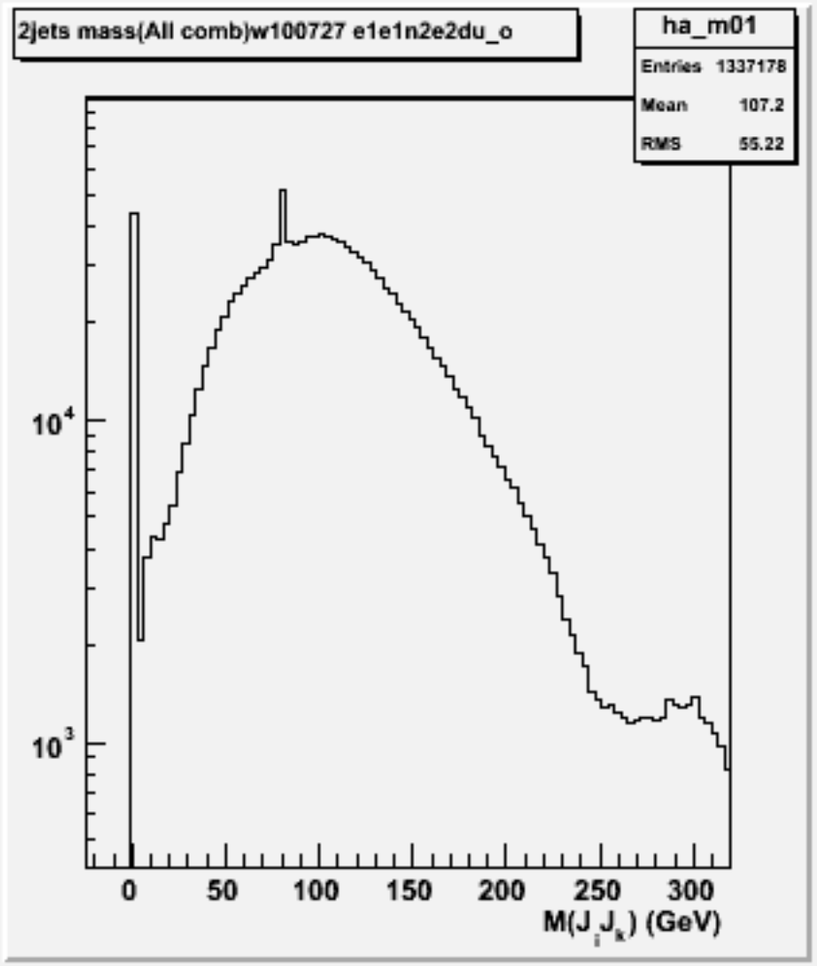

cos θ for 2-jets :w100727 e1e1n2e2du_o
h_j0cs
Entries 445822
Mean 0.1071
RMS 0.8329
cos θ(jet)


Jet mass for forced 2-jets : w100727 e1e1n2e2du_o
h_j0mj1m
Entries 222911
Mean x 118.8
Mean y 70.28
RMS x 95.6
RMS y 50.55
Mass(jet2)
Mass(jet1)


Ycut for 4-jets :w100727 e1e1n2e2du_o
h_yc4j
Entries 222863
Mean 0.02958
RMS 0.04399
ycut for forced 4-jets


Jet energies(All jets)w100727 e1e1n2e2du_o
ha_j0e
Entries 891452
Mean 71.61
RMS 38.34
E(Jet)


Jet cos θ (All jets)w100727 e1e1n2e2du_o
ha_j0cs
Entries 891452
Mean 0.08384
RMS 0.7805
cos θ


2jets mass(All comb)w100727 e1e1n2e2du_o
ha_m01
Entries 1337178
Mean 107.2
RMS 55.22
M(J_iJ_k) (GeV)