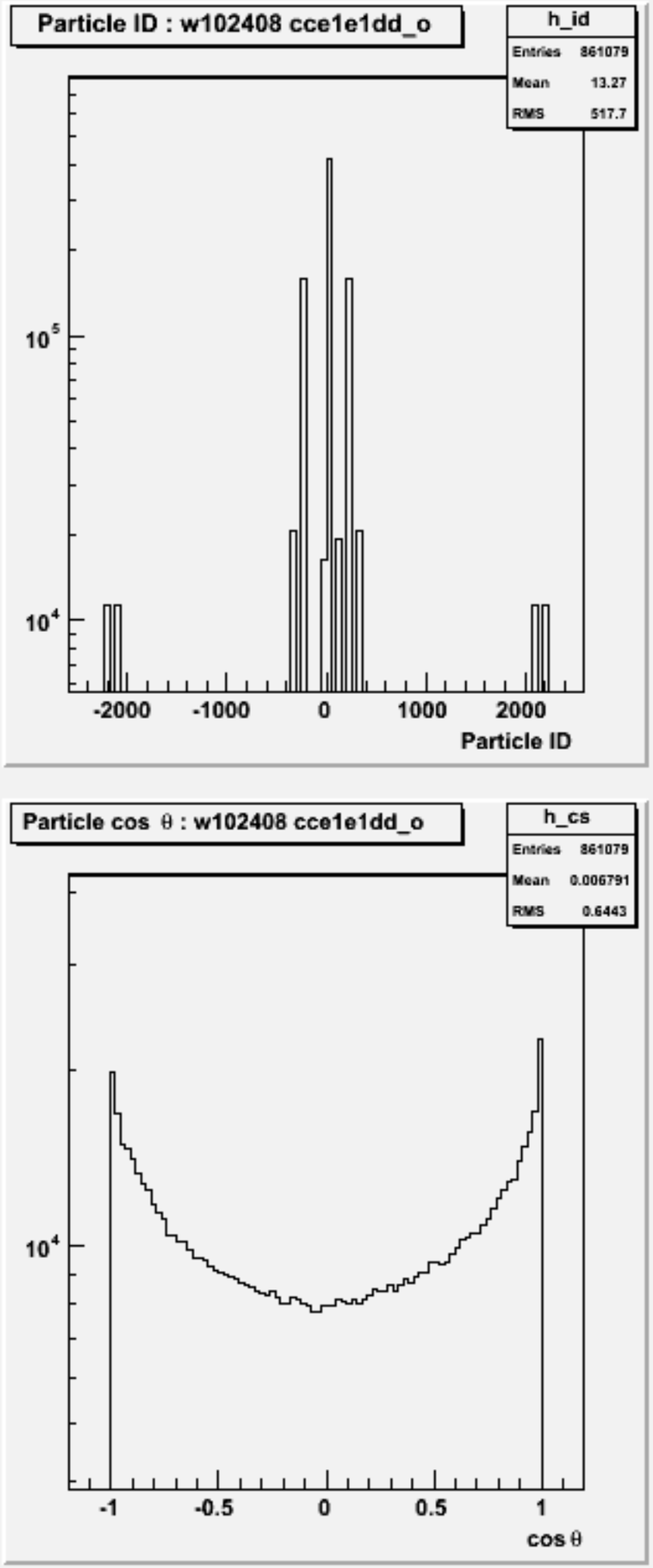
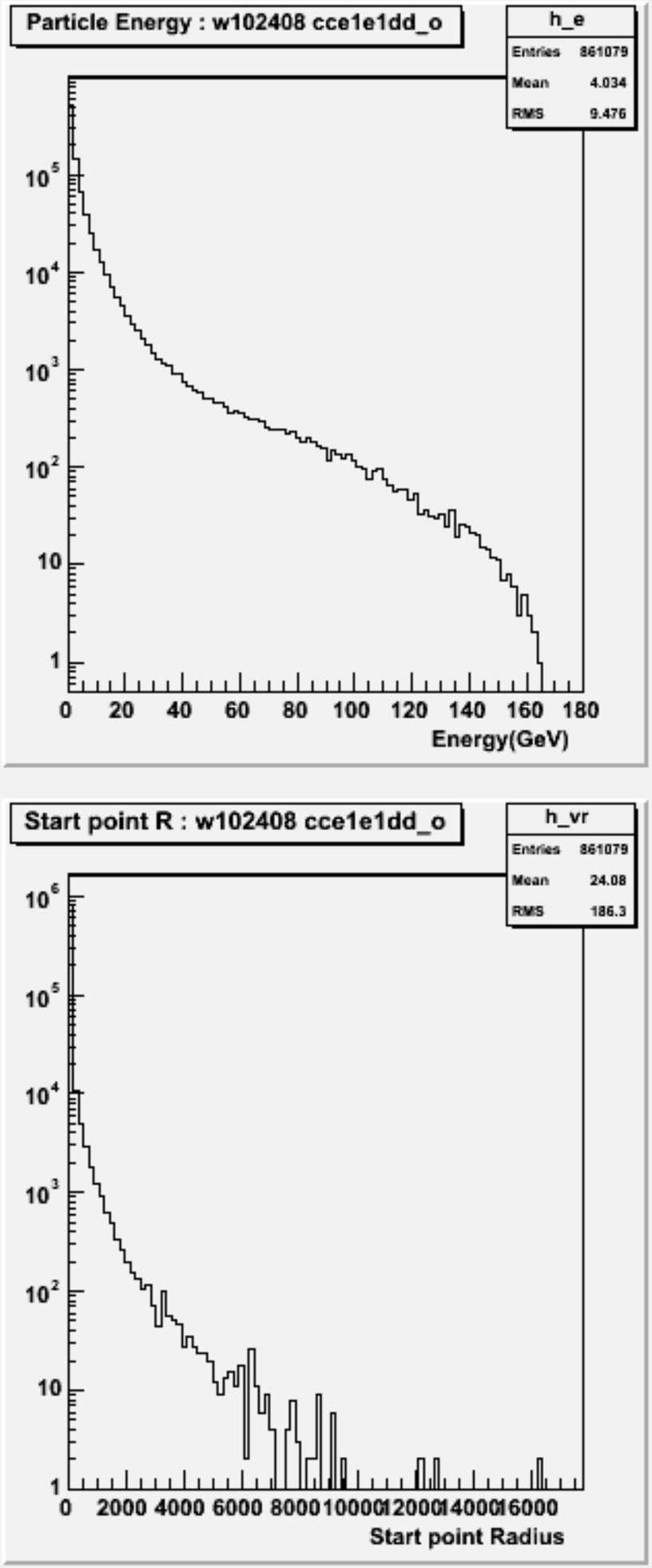
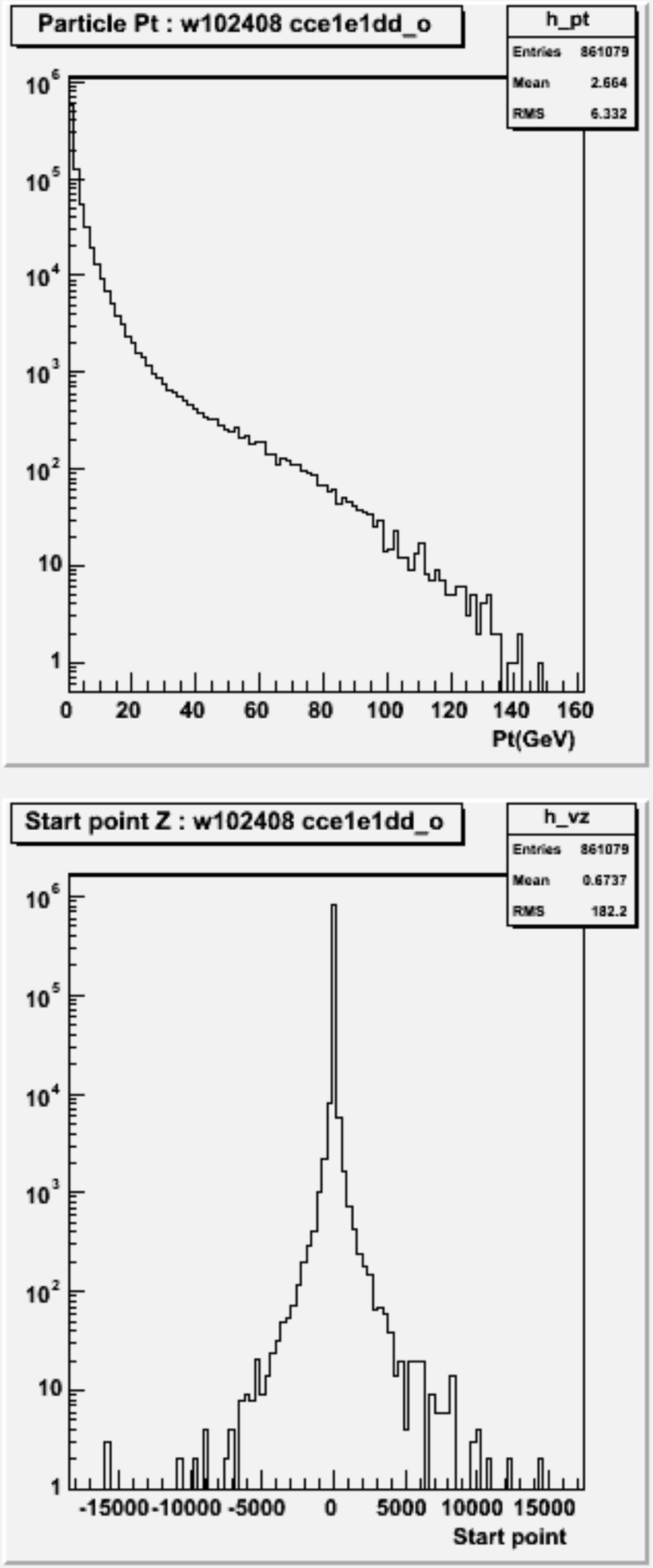
Generator file information: w102408 cce1e1dd_o

process_id=w102408
job_date_time=100626-101919
process_name=cce1e1dd_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=0.0238374507135635
lumi_file=/tmp/lumi_linker_directory/lumi_linker_008
file_type=stdhep
total_number_of_events=10000
number_of_files=1
file_names=w102408_01.stdhep
number_of_events_in_files=10000
fileurl=lfn:/grid/ilc/users/miyamoto/CDS/generated/0350
logurl=http://www-jlc.in.kek.jp/~miyamoto/CDS/0350/run_output/w102408/run_01
comment=


Particle ID : w102408 cce1e1dd_o
h_id
Entries 861079
Mean 13.27
RMS 517.7
10^5
10^4
-2000 -1000 0 1000 2000
Particle ID

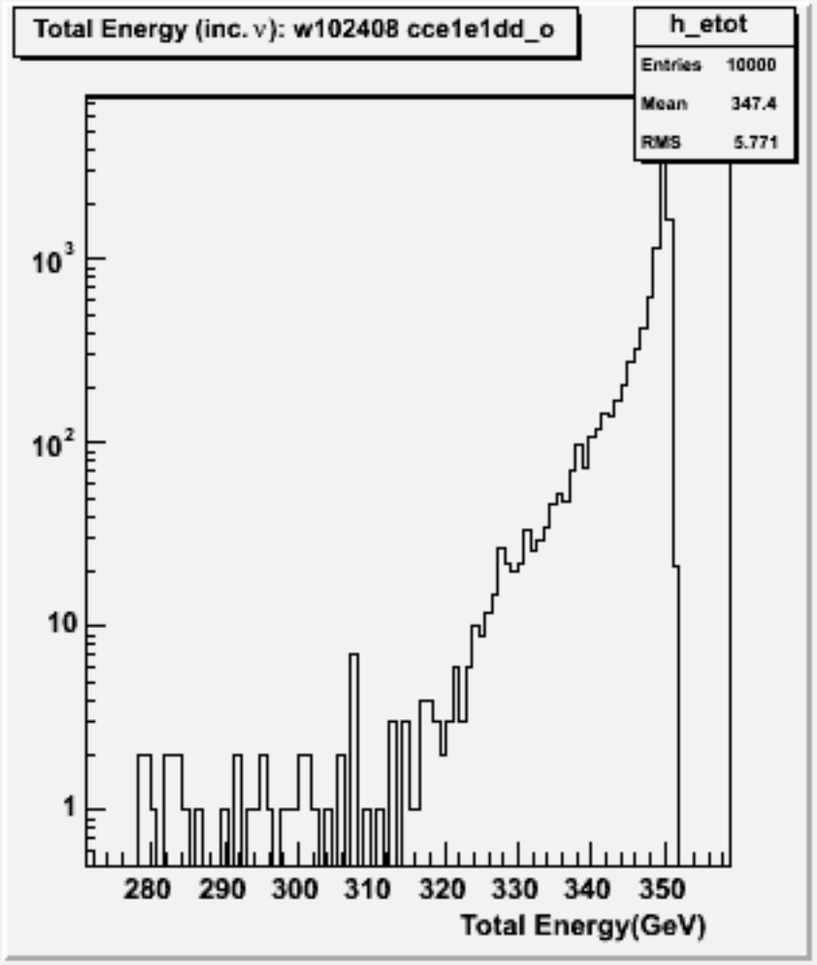

Particle Energy : w102408 cce1e1dd_o
h_e
Entries 861079
Mean 4.034
RMS 9.476
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Energy(GeV)

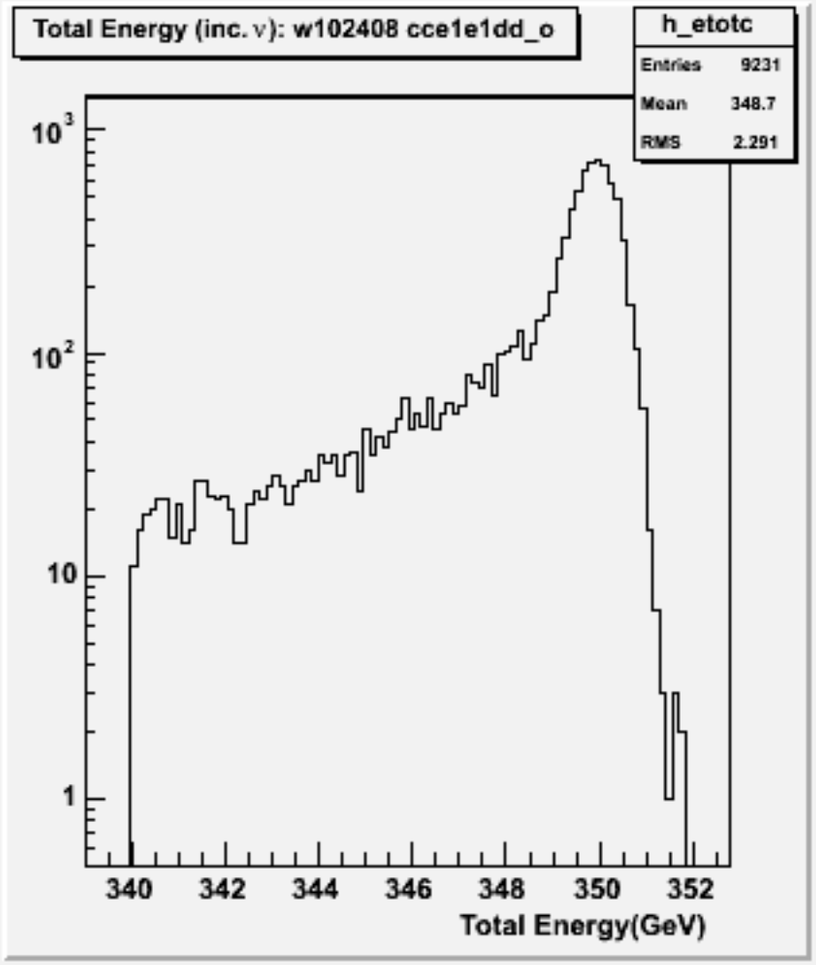

Particle Pt : w102408 cce1e1dd_o
h_pt
Entries 861079
Mean 2.664
RMS 6.332
10^6
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160
Pt(GeV)

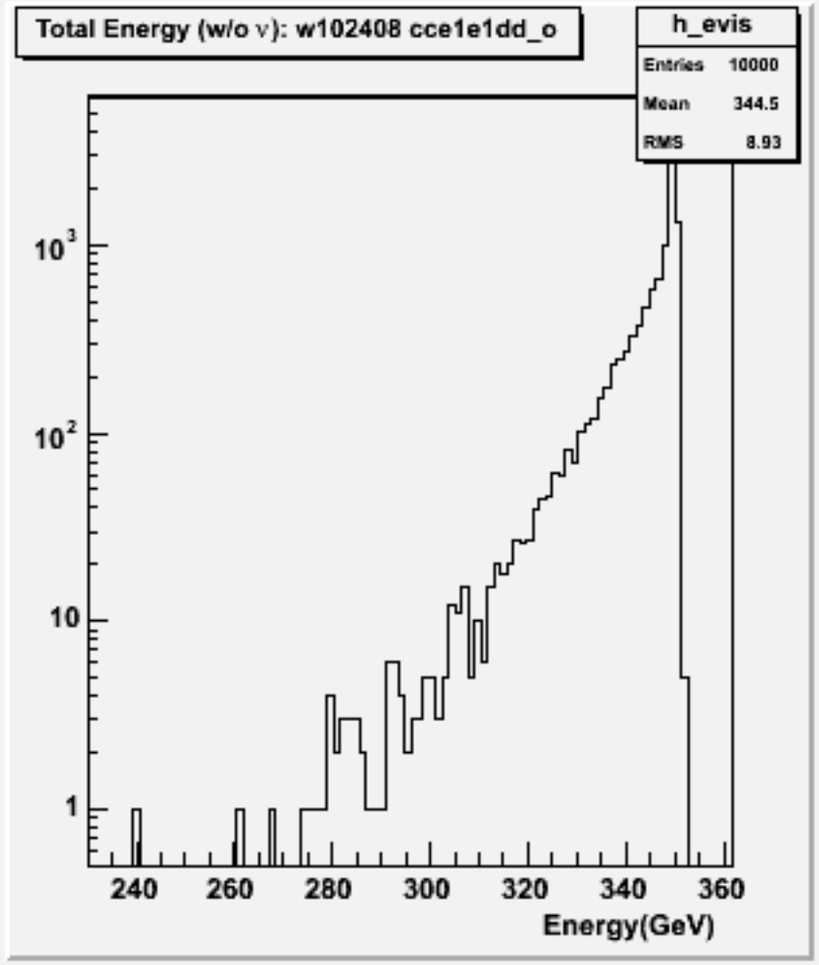
Particle cos θ : w102408 cce1e1dd_o
h_cs
Entries 861079
Mean 0.006791
RMS 0.6443
10^4
-1 -0.5 0 0.5 1
cos θ

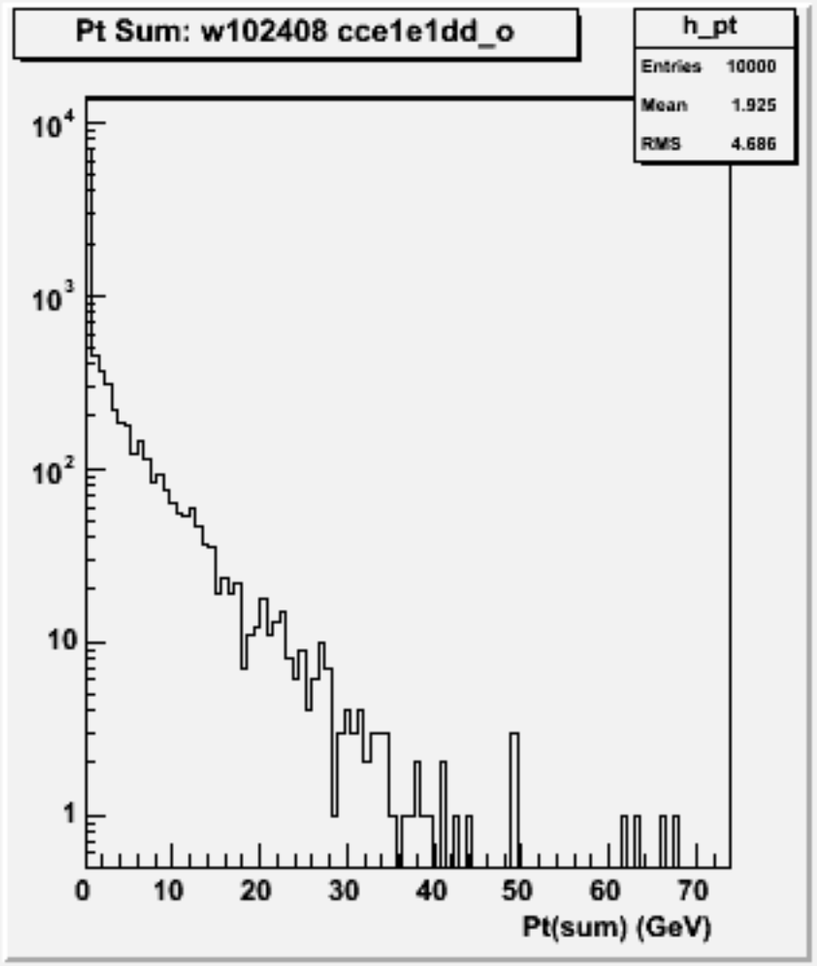
Start point R : w102408 cce1e1dd_o
h_vr
Entries 861079
Mean 24.08
RMS 186.3
10^6
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000 16000
Start point Radius

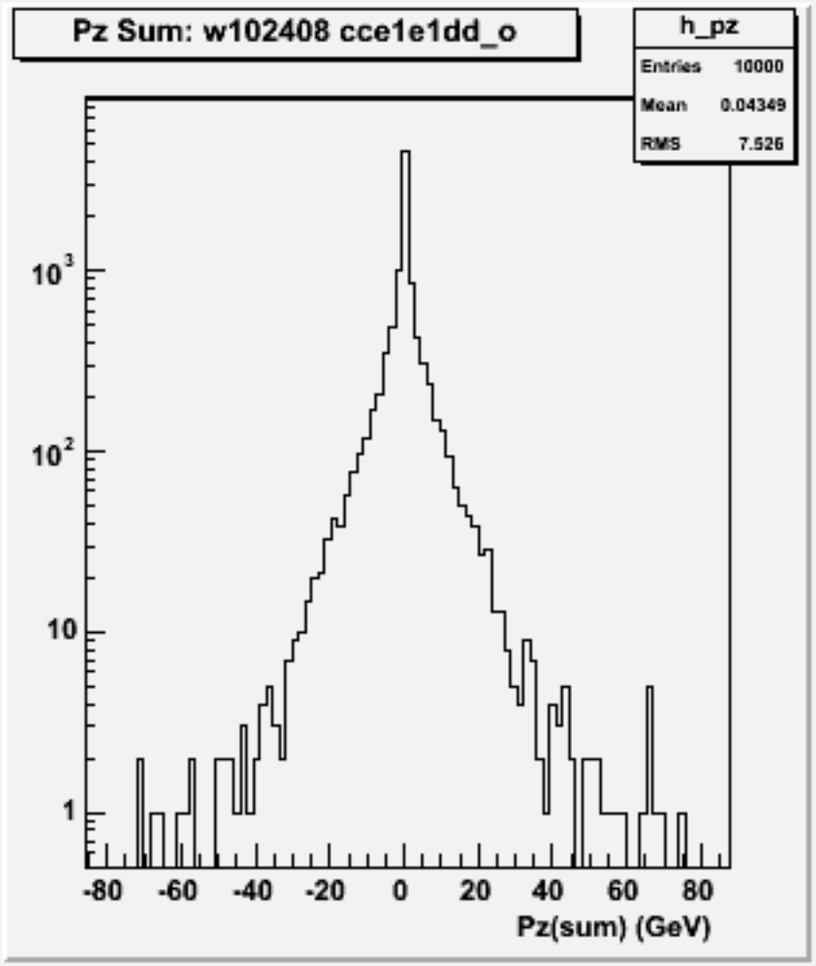
Start point Z : w102408 cce1e1dd_o
h_vz
Entries 861079
Mean 0.6737
RMS 182.2
10^6
10^5
10^4
10^3
10^2
10
1
-15000 -10000 -5000 0 5000 10000 15000
Start point

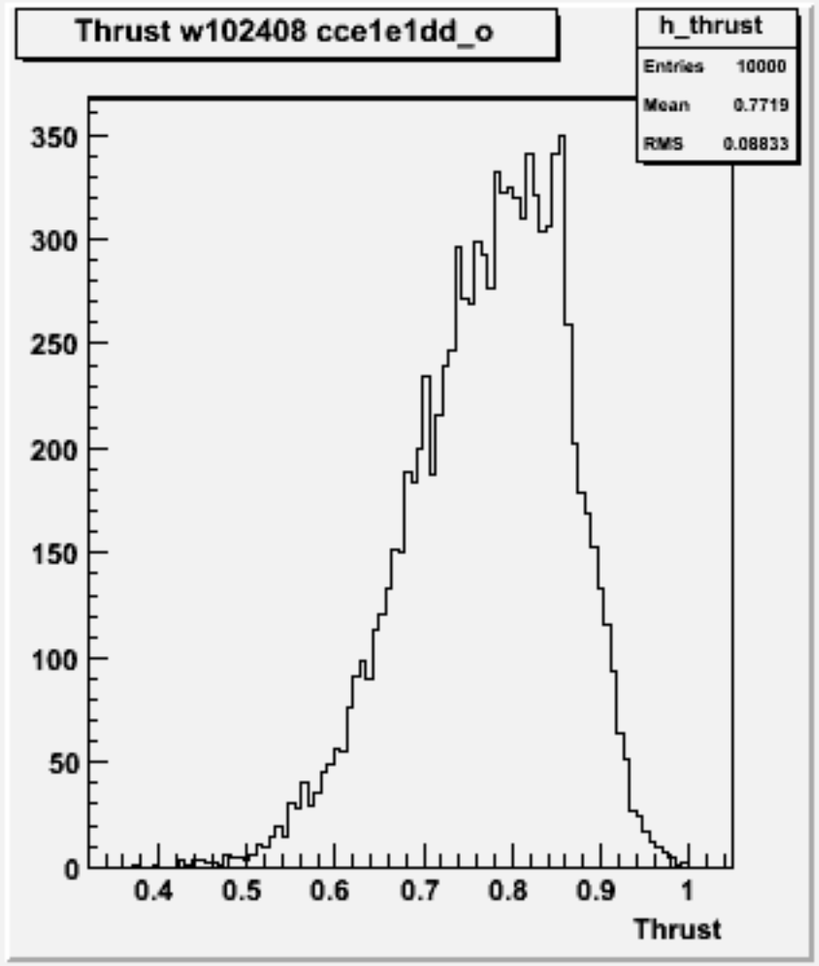

Total Energy (inc. ν): w102408 cce1e1dd_o
h_etot
Entries 10000
Mean 347.4
RMS 5.771
Total Energy(GeV)

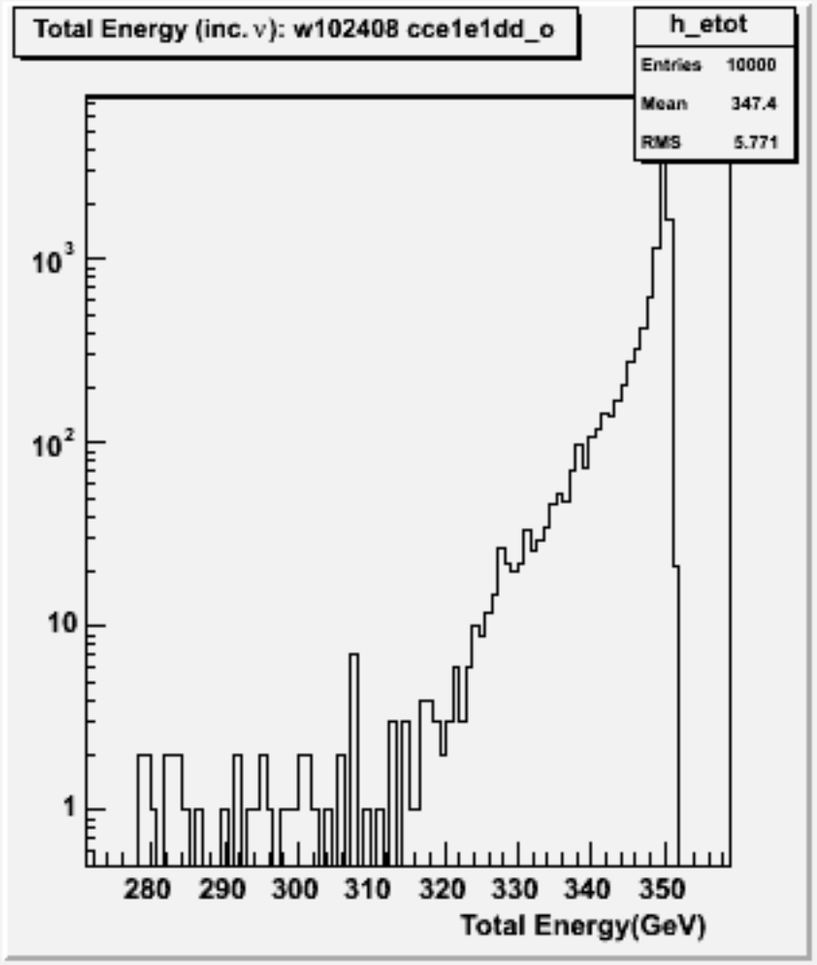

Total Energy (inc. ν): w102408 cce1e1dd_o
h_etotc
Entries 9231
Mean 348.7
RMS 2.291
Total Energy(GeV)

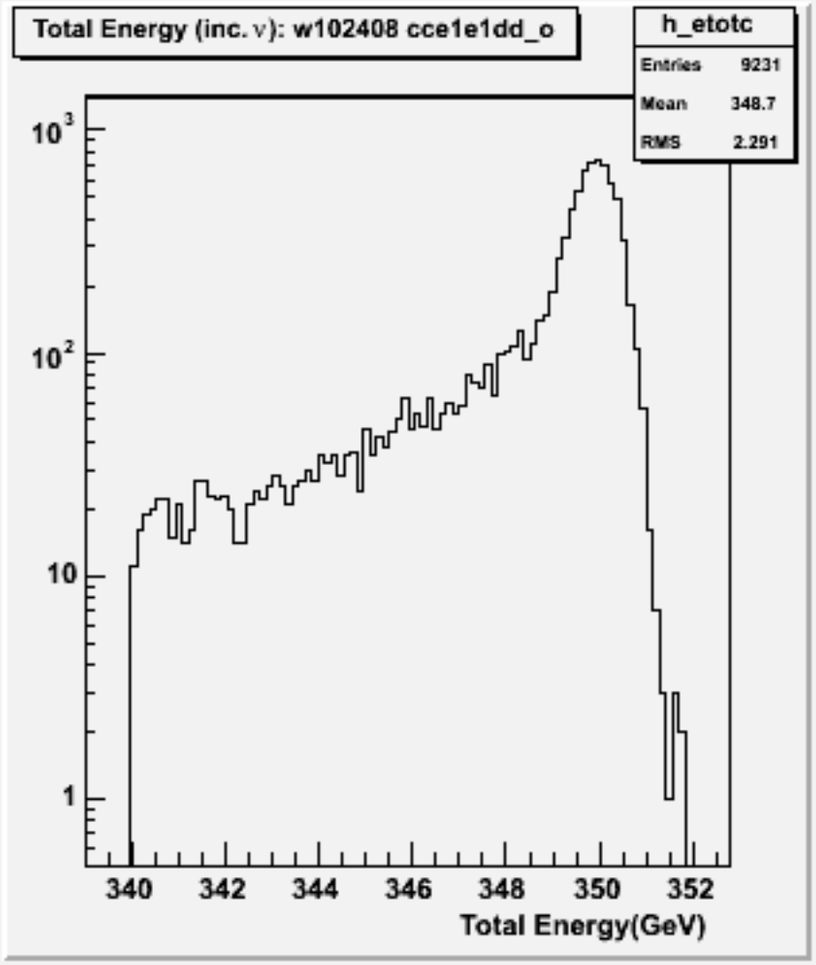

Total Energy (w/o ν): w102408 cce1e1dd_o
h_evis
Entries 10000
Mean 344.5
RMS 8.93
Energy(GeV)

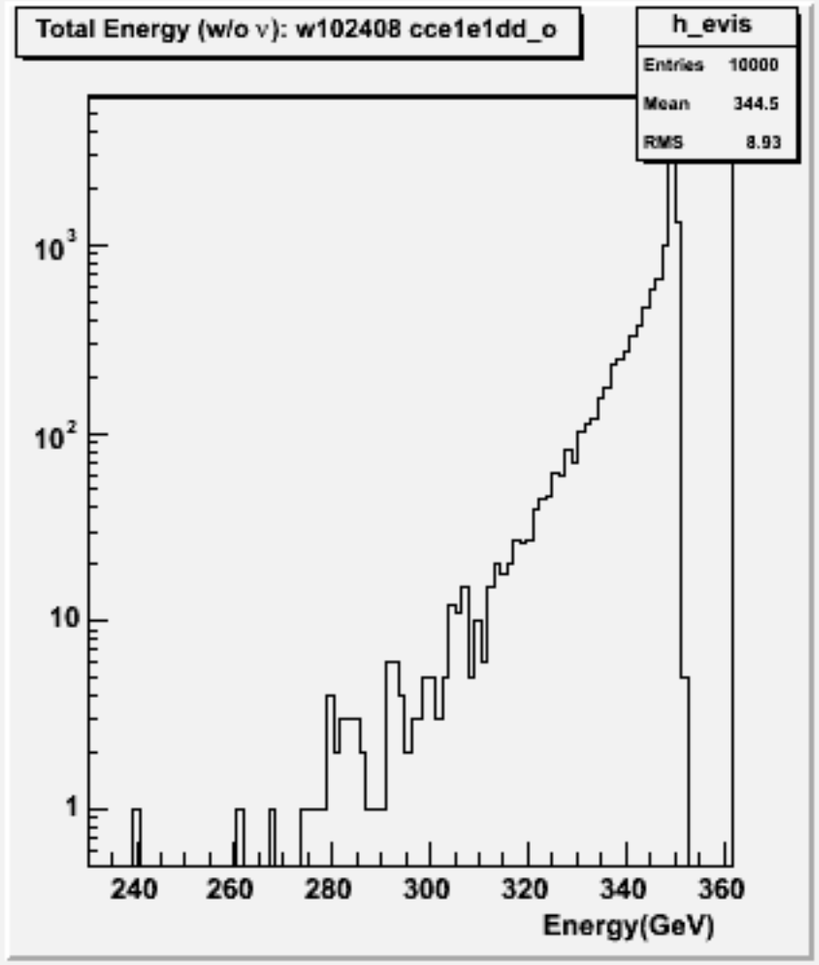

Pt Sum: w102408 cce1e1dd_o
h_pt
Entries 10000
Mean 1.925
RMS 4.686
Pt(sum) (GeV)

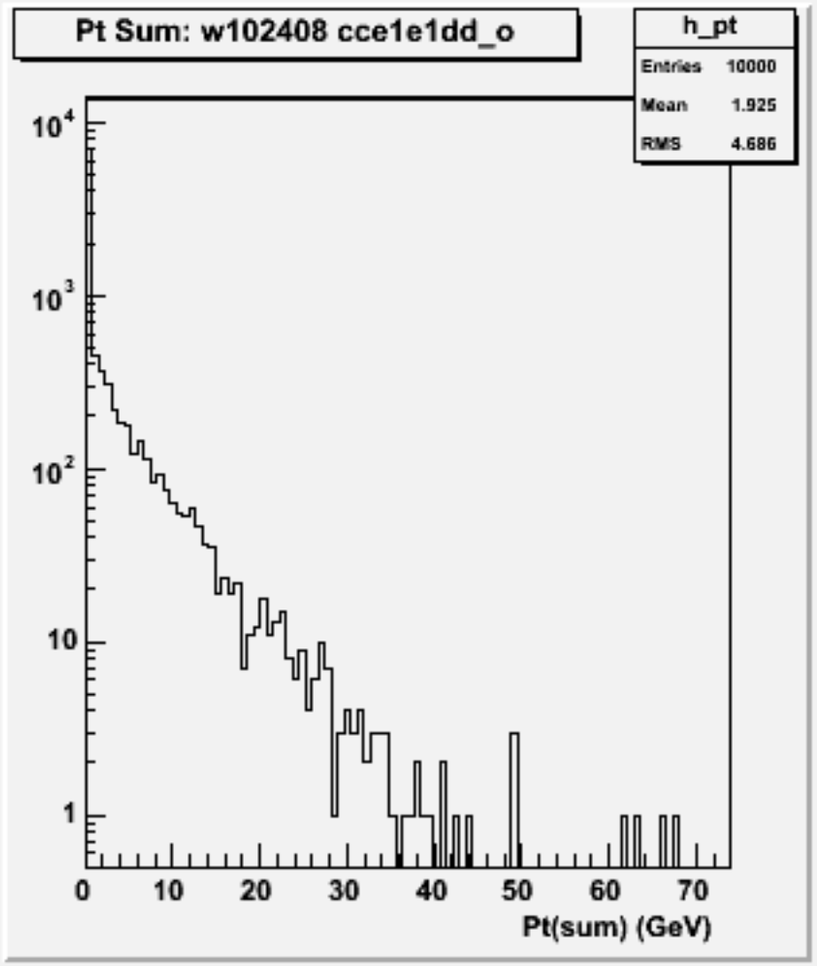

Pz Sum: w102408 cce1e1dd_o
h_pz
Entries 10000
Mean 0.04349
RMS 7.526
Pz(sum) (GeV)

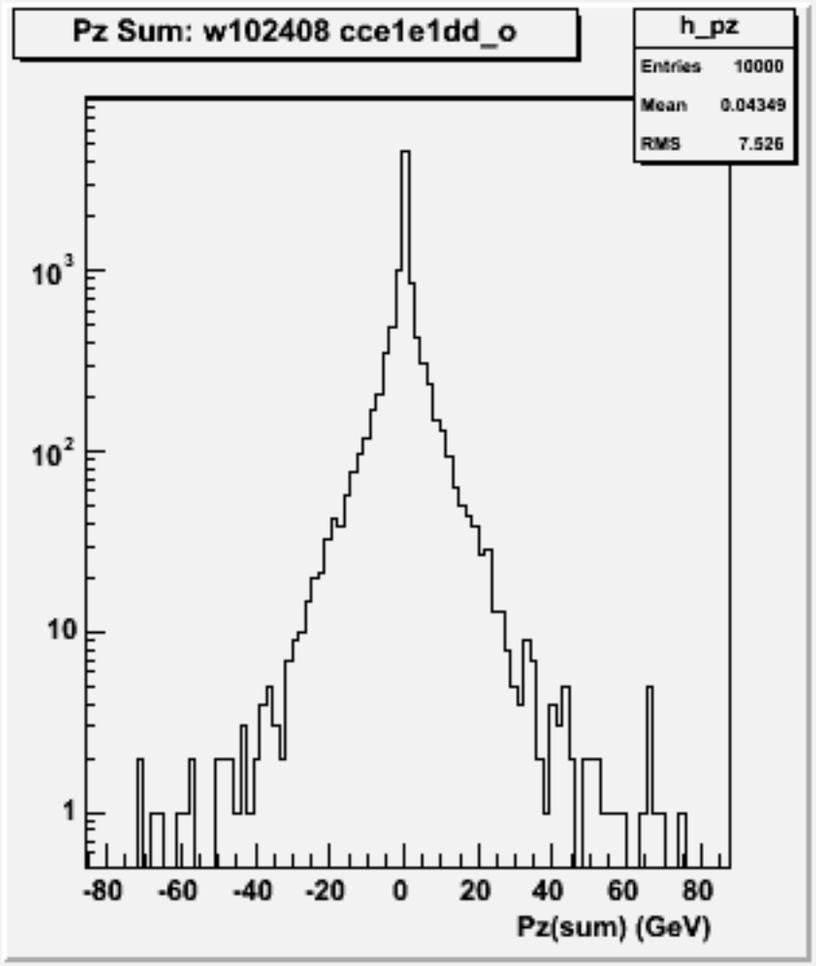

Thrust w102408 cce1e1dd_o
h_thrust
Entries 10000
Mean 0.7719
RMS 0.08833
Thrust

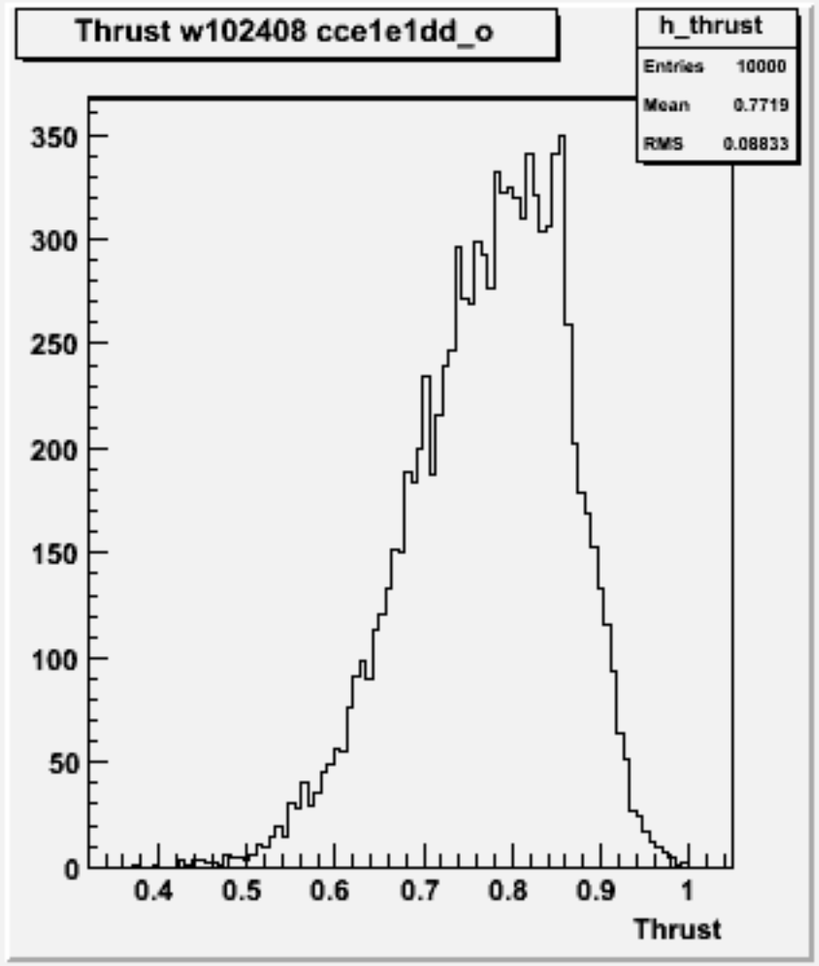

Total Energy (inc. ν): w102408 cce1e1dd_o
h_etot
Entries 10000
Mean 347.4
RMS 5.771
Total Energy(GeV)

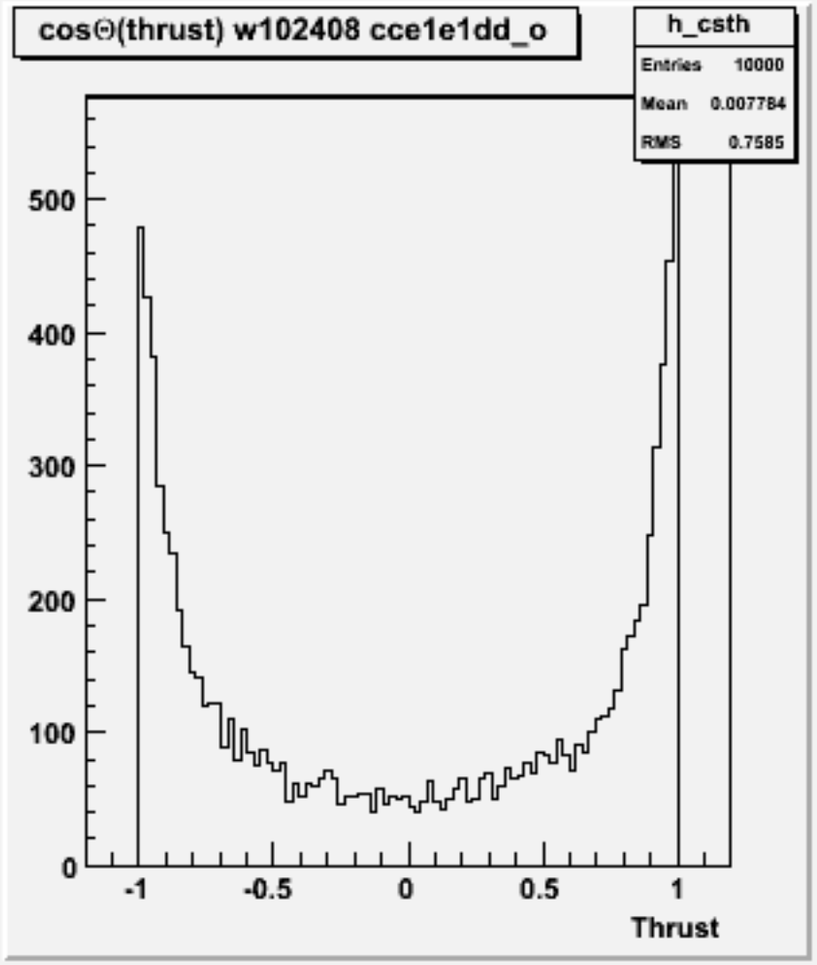

Total Energy (inc. ν): w102408 cce1e1dd_o
h_etotc
Entries 9231
Mean 348.7
RMS 2.291
Total Energy(GeV)

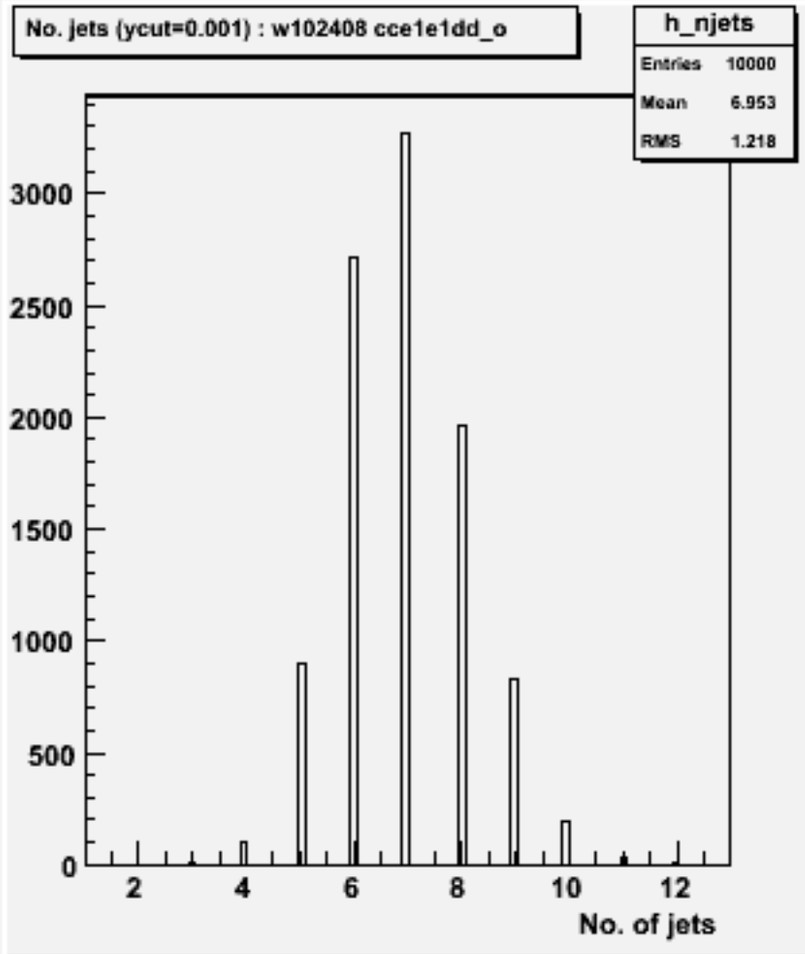

Total Energy (w/o ν): w102408 cce1e1dd_o
h_evis
Entries 10000
Mean 344.5
RMS 8.93
Energy(GeV)

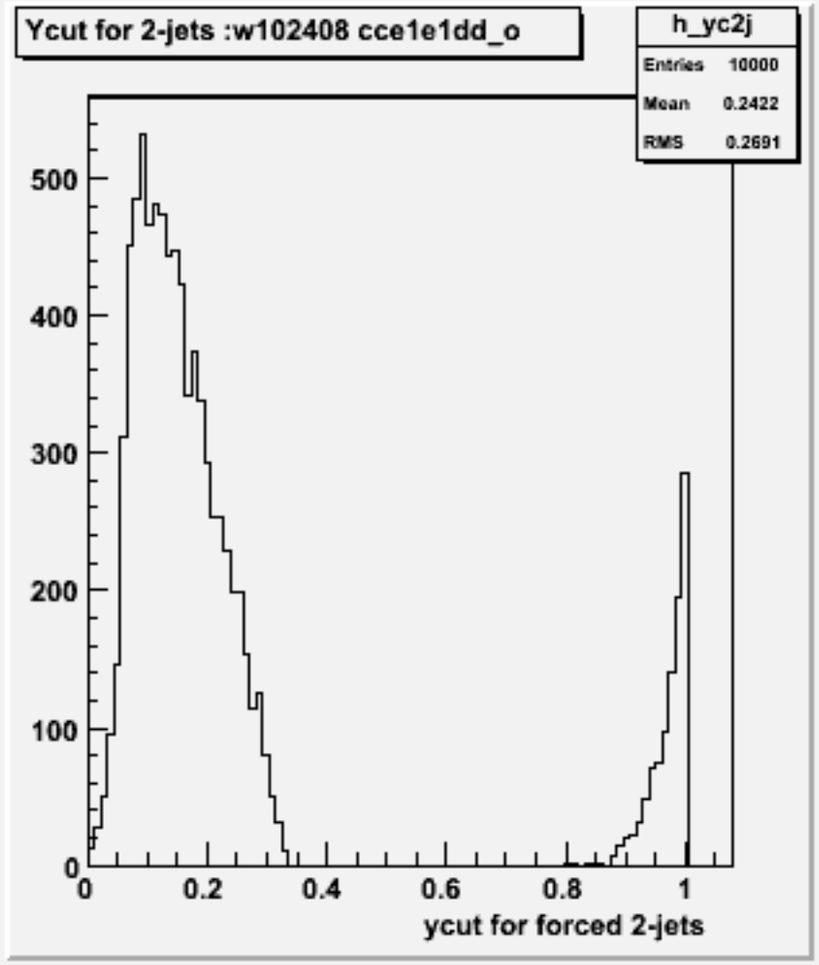

Pt Sum: w102408 cce1e1dd_o
h_pt
Entries 10000
Mean 1.925
RMS 4.686
Pt(sum) (GeV)

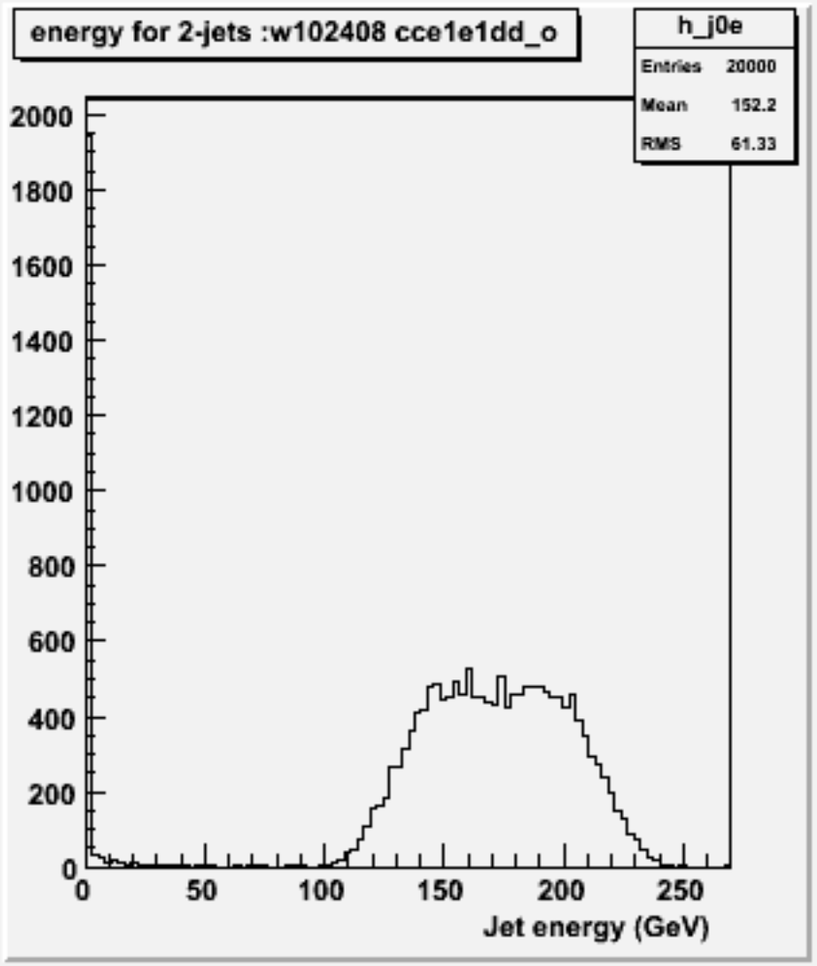

Pz Sum: w102408 cce1e1dd_o
h_pz
Entries 10000
Mean 0.04349
RMS 7.526
Pz(sum) (GeV)

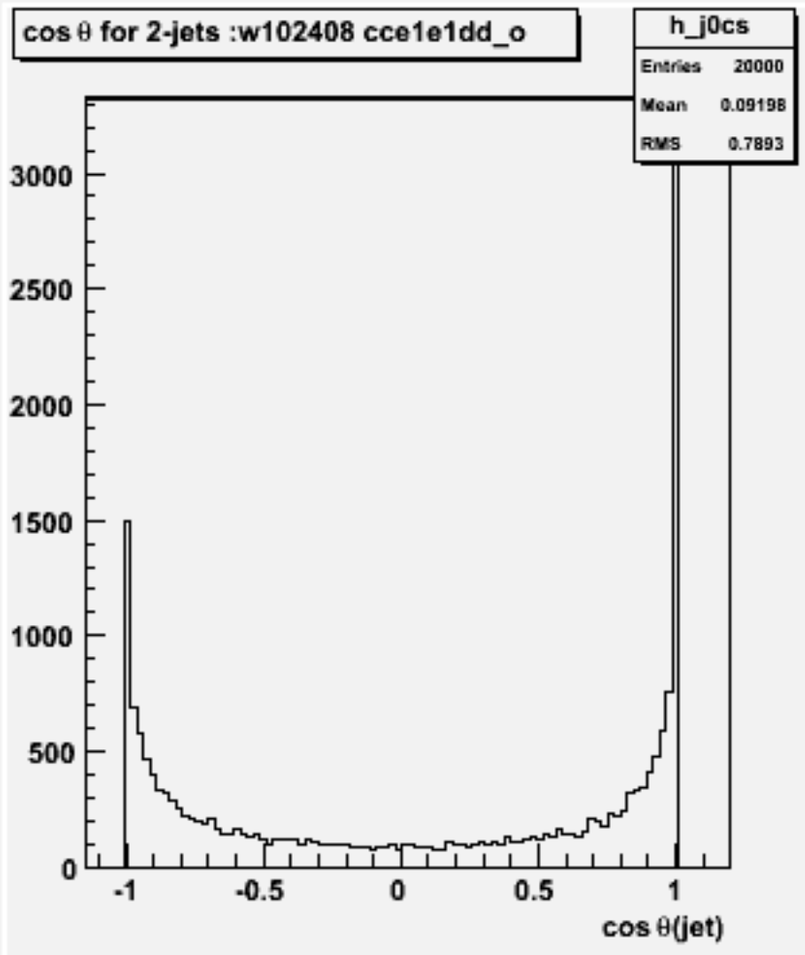

Thrust w102408 cce1e1dd_o
h_thrust
Entries 10000
Mean 0.7719
RMS 0.08833
Thrust

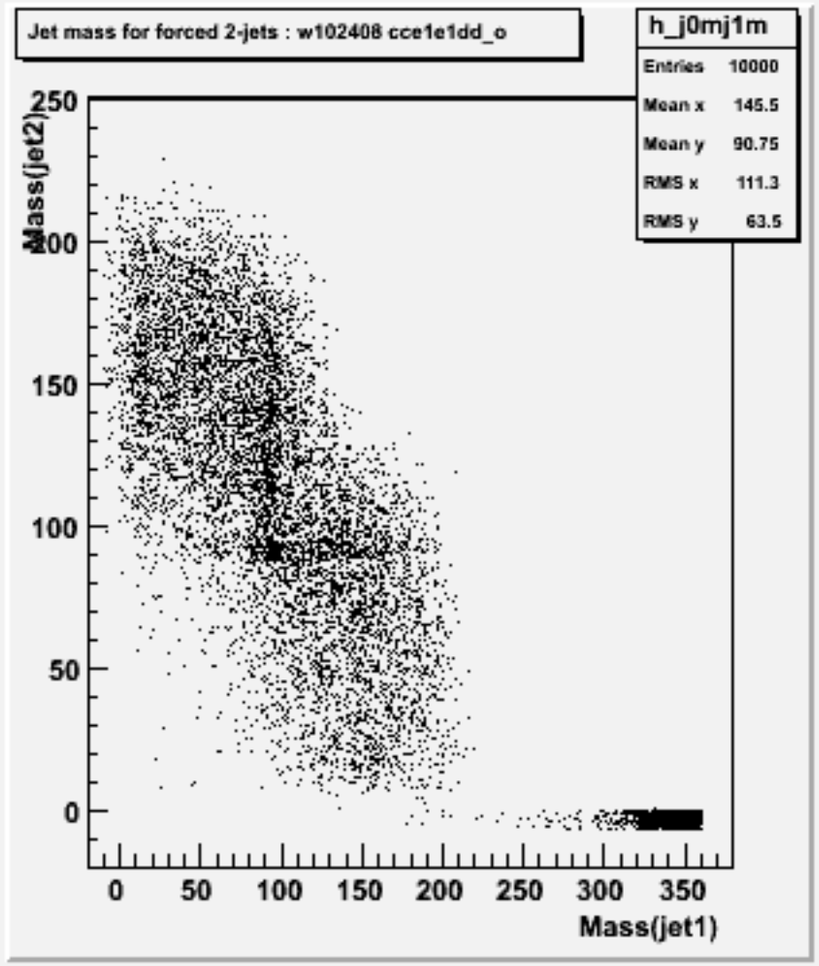

cosΘ(thrust) w102408 cce1e1dd_o
h_csth
Entries 10000
Mean 0.007784
RMS 0.7585
Thrust

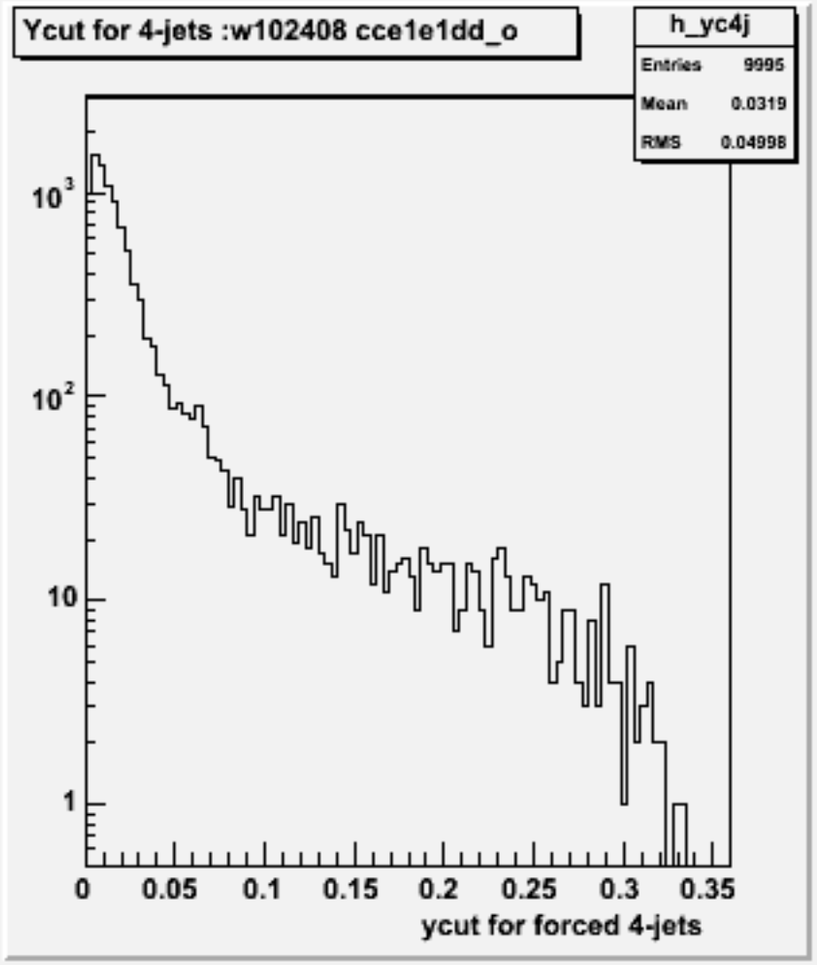

No. jets (ycut=0.001) : w102408 cce1e1dd_o
h_njets
Entries 10000
Mean 6.953
RMS 1.218
No. of jets

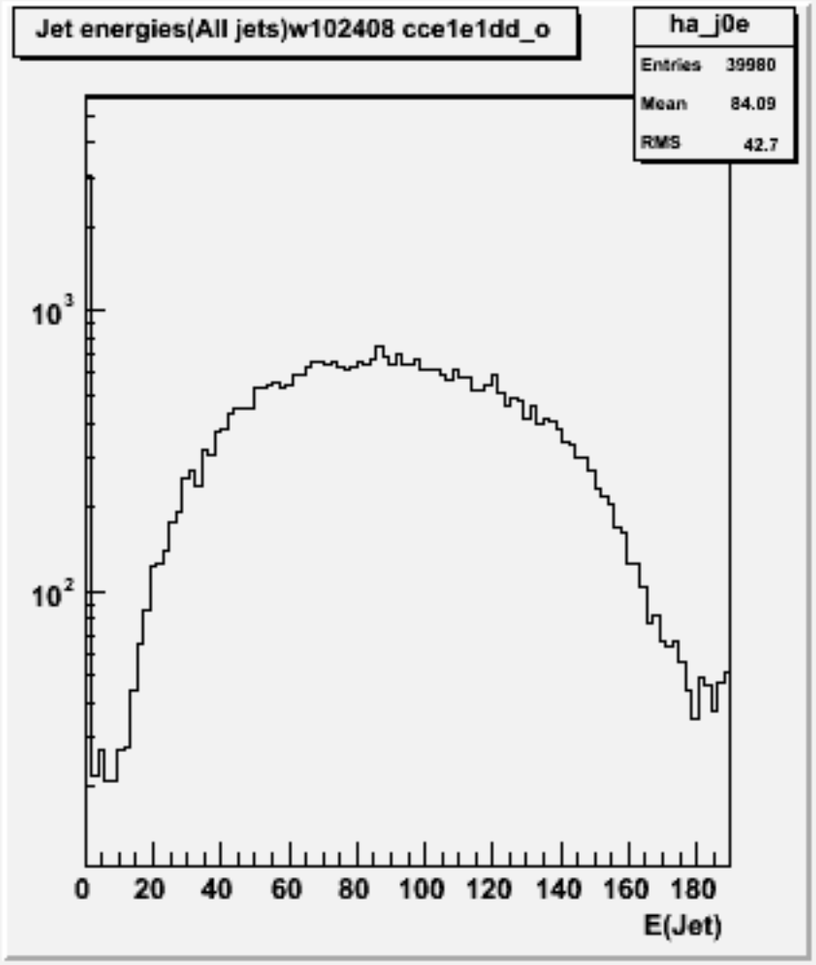

Ycut for 2-jets :w102408 cce1e1dd_o
h_yc2j
Entries 10000
Mean 0.2422
RMS 0.2691
ycut for forced 2-jets

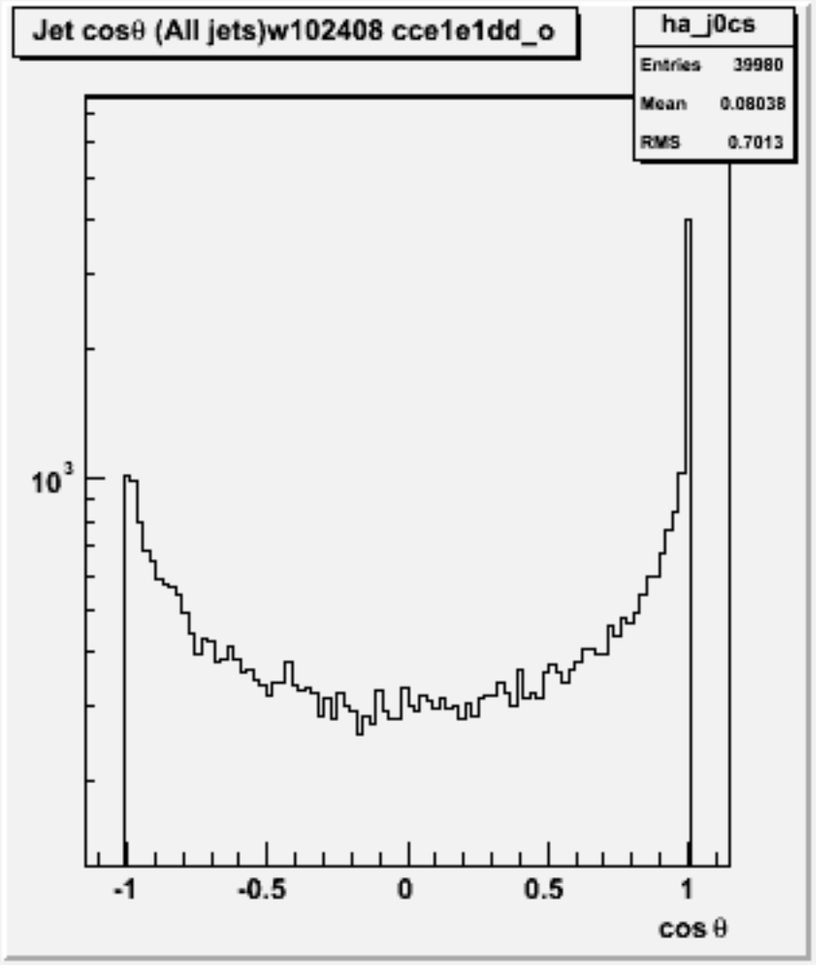

energy for 2-jets :w102408 cce1e1dd_o
h_j0e
Entries 20000
Mean 152.2
RMS 61.33
Jet energy (GeV)

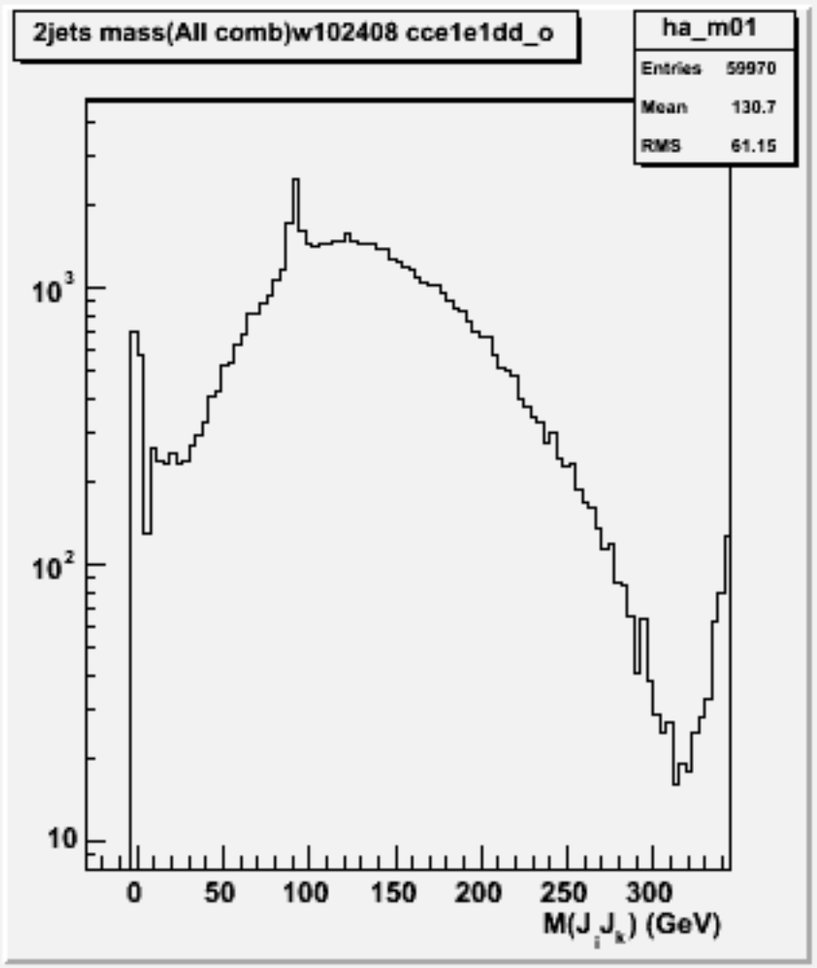

cos θ for 2-jets :w102408 cce1e1dd_o
h_j0cs
Entries 20000
Mean 0.09198
RMS 0.7893
cos θ(jet)


Jet mass for forced 2-jets : w102408 cce1e1dd_o
h_j0mj1m
Entries 10000
Mean x 145.5
Mean y 90.75
RMS x 111.3
RMS y 63.5
Mass(jet2)
Mass(jet1)


Ycut for 4-jets :w102408 cce1e1dd_o
h_yc4j
Entries 9995
Mean 0.0319
RMS 0.04998
10^3
10^2
10
1
0 0.05 0.1 0.15 0.2 0.25 0.3 0.35
ycut for forced 4-jets


Jet energies(All jets)w102408 cce1e1dd_o
ha_j0e
Entries 39980
Mean 84.09
RMS 42.7
10^3
10^2
0 20 40 60 80 100 120 140 160 180
E(Jet)


Jet cosθ (All jets)w102408 cce1e1dd_o
ha_j0cs
Entries 39980
Mean 0.08038
RMS 0.7013
10^3
-1 -0.5 0 0.5 1
cos θ


2jets mass(All comb)w102408 cce1e1dd_o
ha_m01
Entries 59970
Mean 130.7
RMS 61.15
10^3
10^2
10
0 50 100 150 200 250 300
$M(J_iJ_k)$ (GeV)