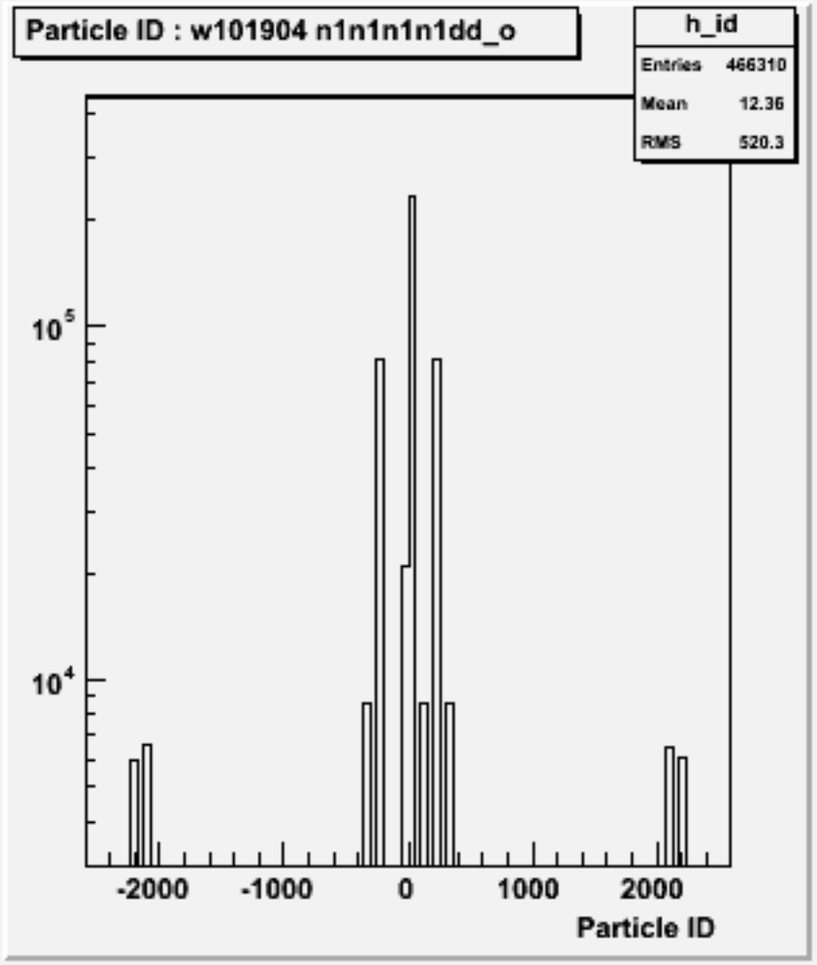
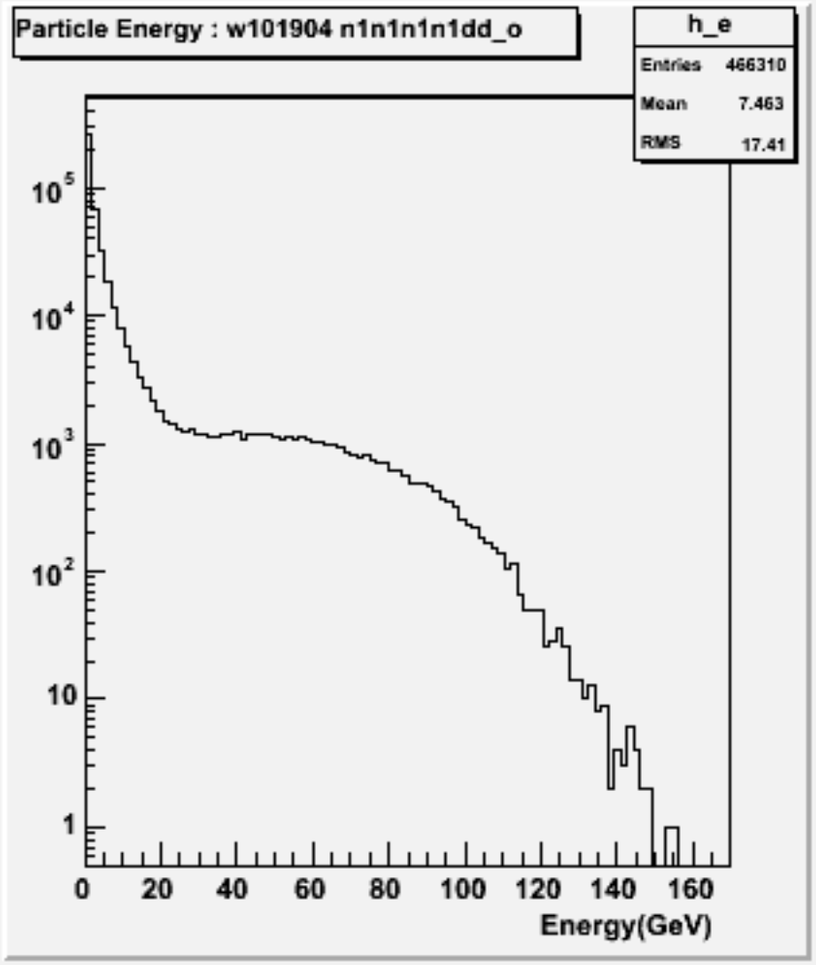
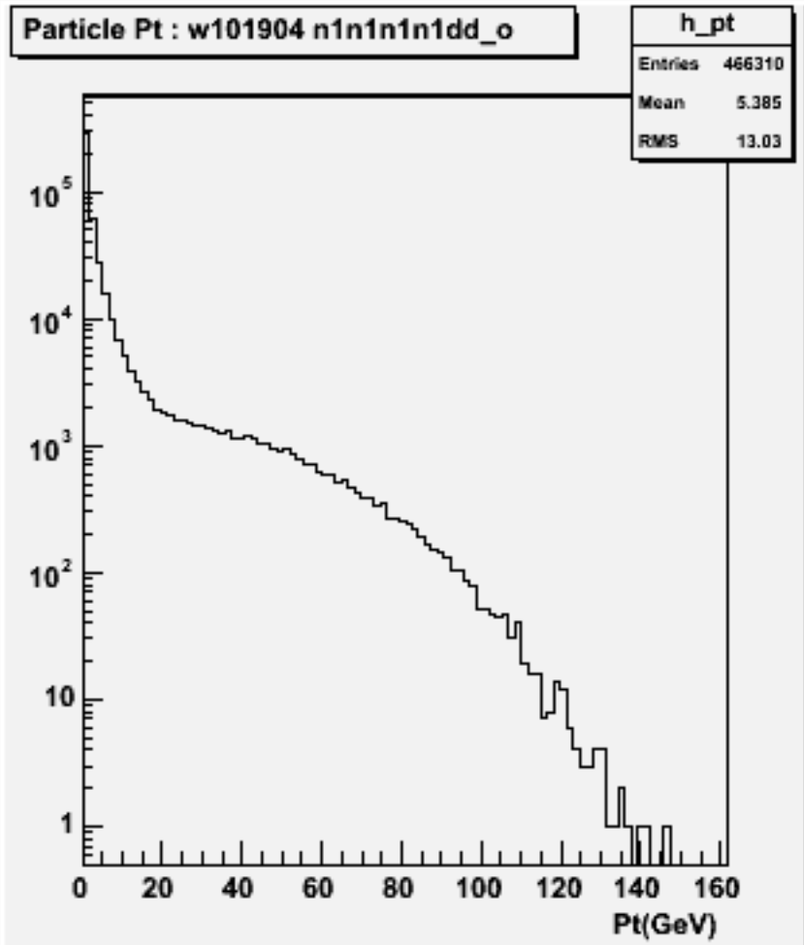
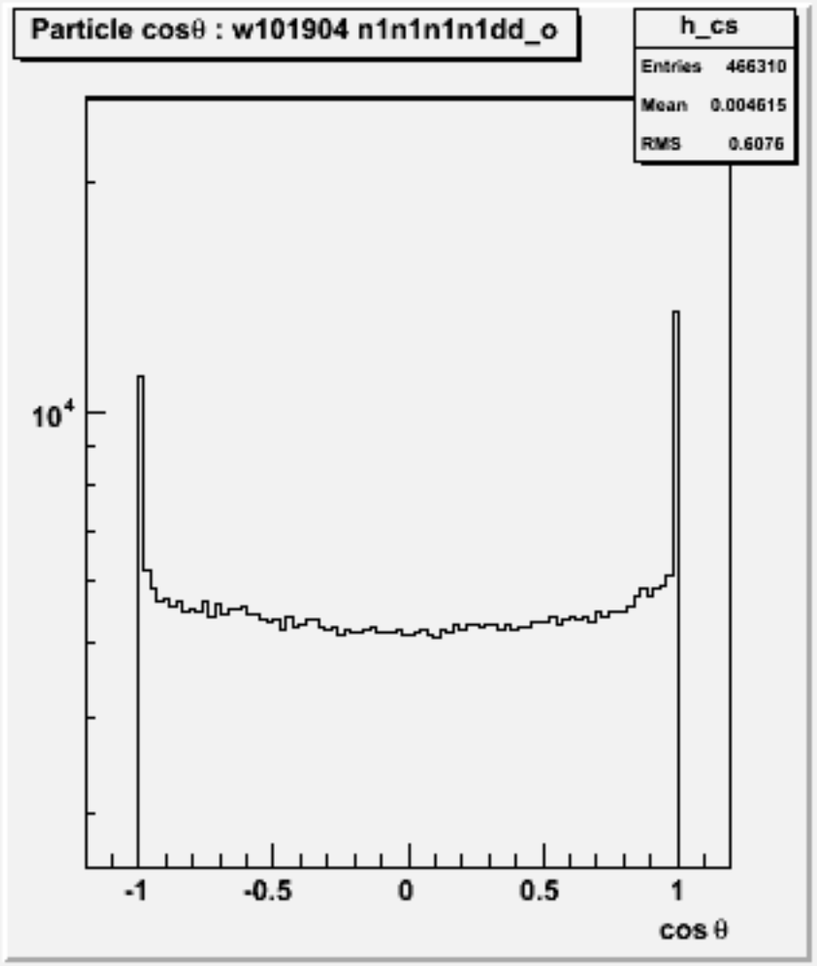
Generator file information: w101904 n1n1n1n1dd_o

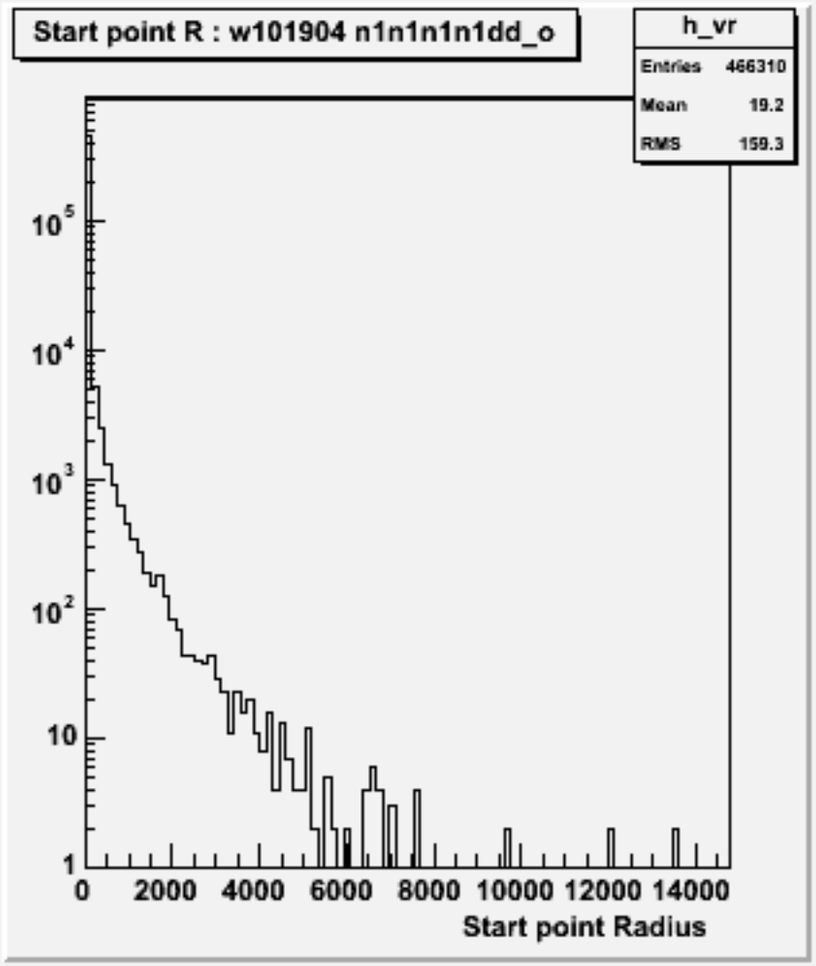
process_id=w101904
job_date_time=100626-101238
process_name=n1n1n1n1dd_o
CM_energy_in_GeV=350
program_name_version=whizard-1.40
beam_particle1=e1
beam_particle2=E1
polarization1=-1.0
polarization2=+1.0
luminosity=1000
cross_section_in_fb=0.0233080473970033
lumi_file=/tmp/lumi_linker_directory/lumi_linker_008
file_type=stdhep
total_number_of_events=10000
number_of_files=1
file_names=w101904_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/w101904/run_01
comment=

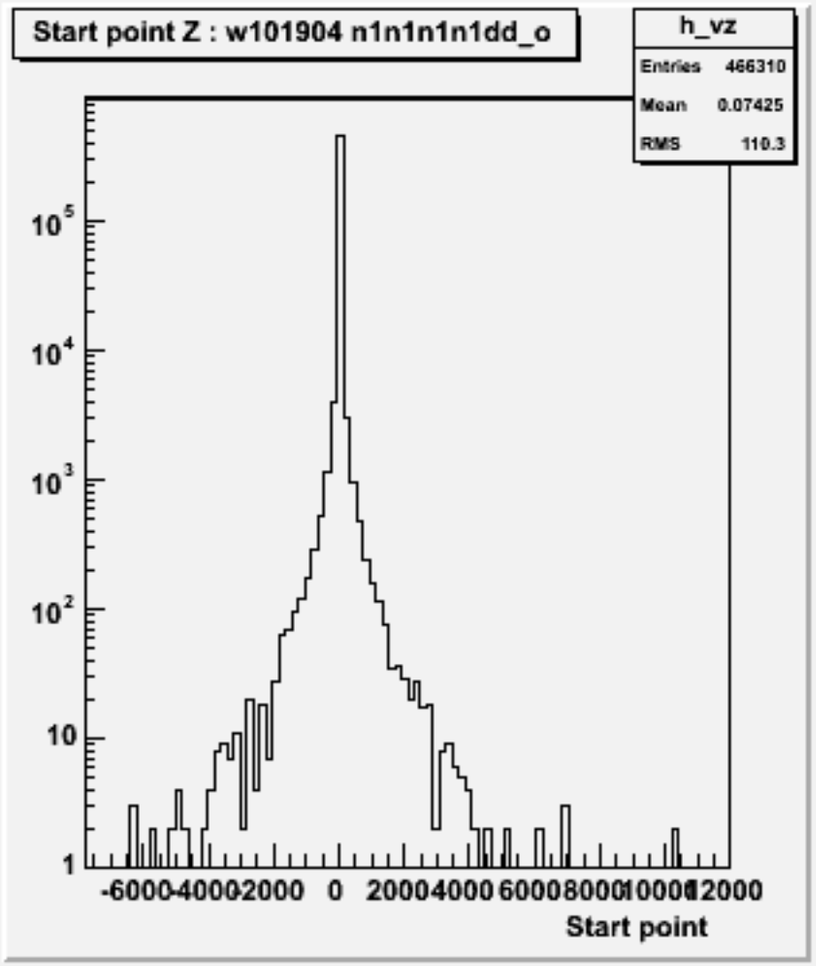

Particle ID : w101904 n1n1n1n1dd_o
h_id
Entries 466310
Mean 12.36
RMS 520.3
10^5
10^4
-2000 -1000 0 1000 2000
Particle ID

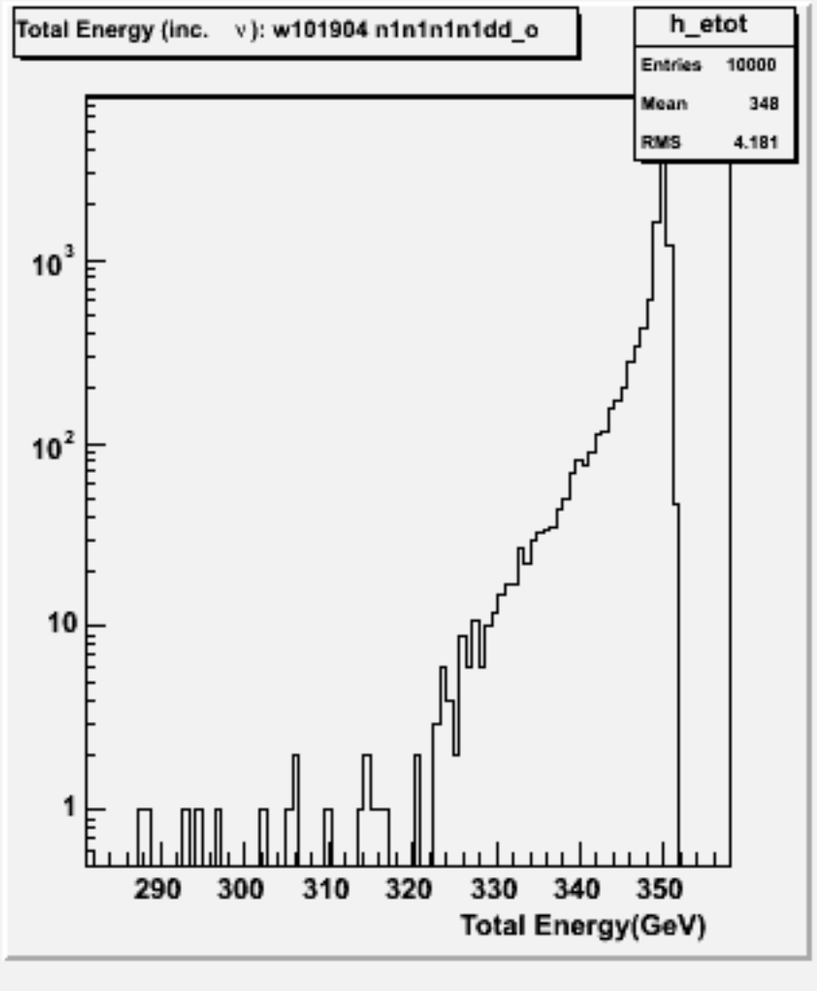

Particle Energy : w101904 n1n1n1n1dd_o
h_e
Entries 466310
Mean 7.463
RMS 17.41
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160
Energy(GeV)

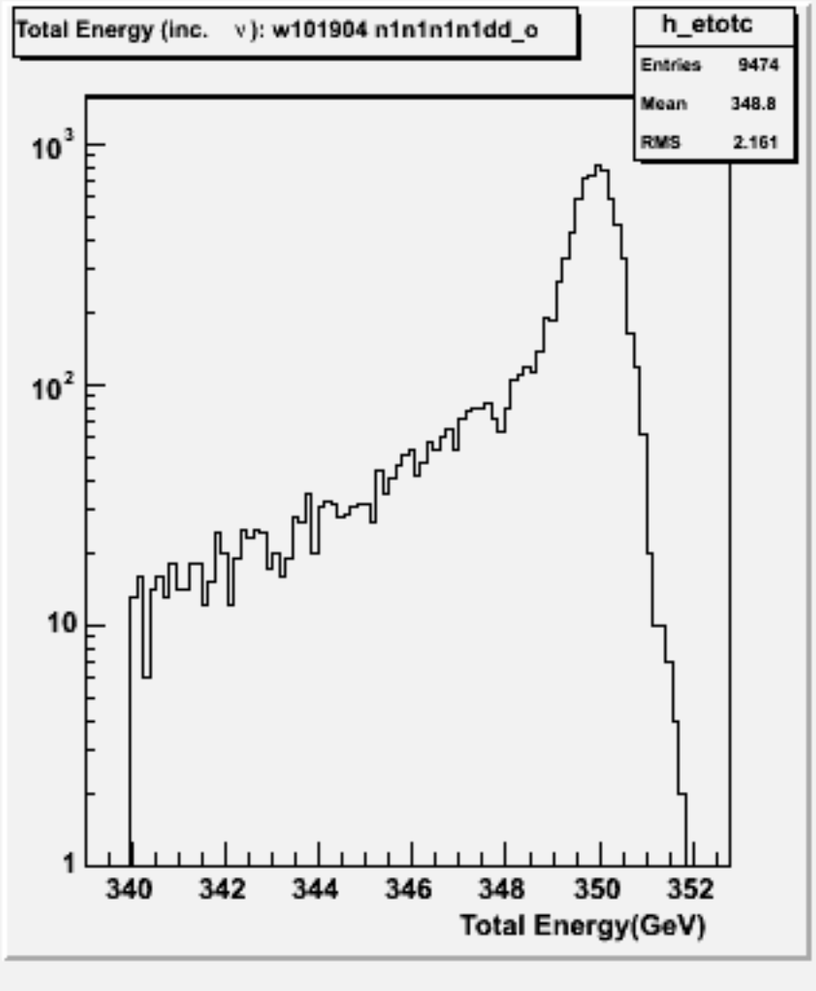

Particle Pt : w101904 n1n1n1n1dd_o
h_pt
Entries 466310
Mean 5.385
RMS 13.03
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160
Pt(GeV)

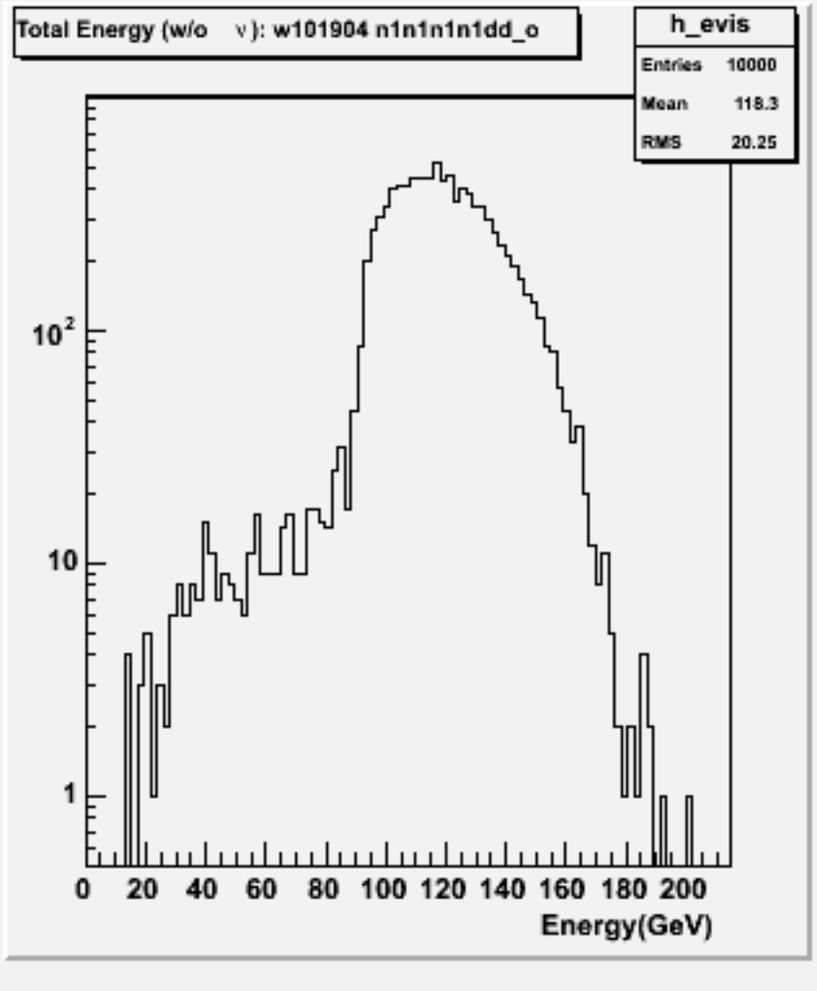

Particle cosθ : w101904 n1n1n1n1dd_o
h_cs
Entries 466310
Mean 0.004615
RMS 0.6076
10^4
-1 -0.5 0 0.5 1
cos θ

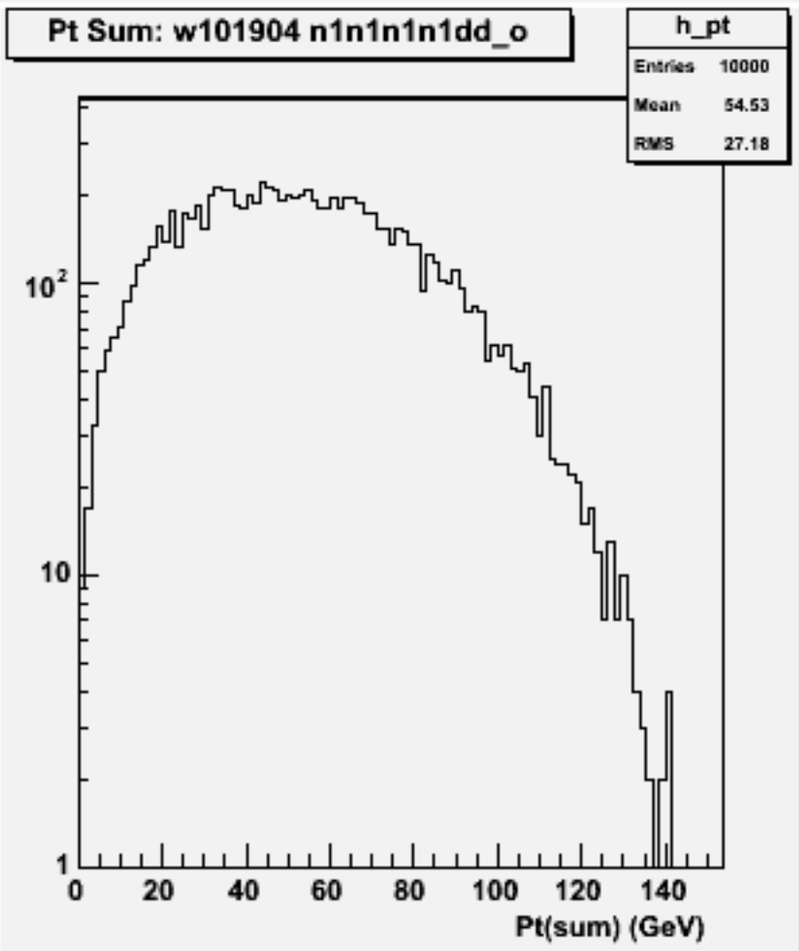

Start point R : w101904 n1n1n1n1dd_o
h_vr
Entries 466310
Mean 19.2
RMS 159.3
10^5
10^4
10^3
10^2
10
1
0 2000 4000 6000 8000 10000 12000 14000
Start point Radius

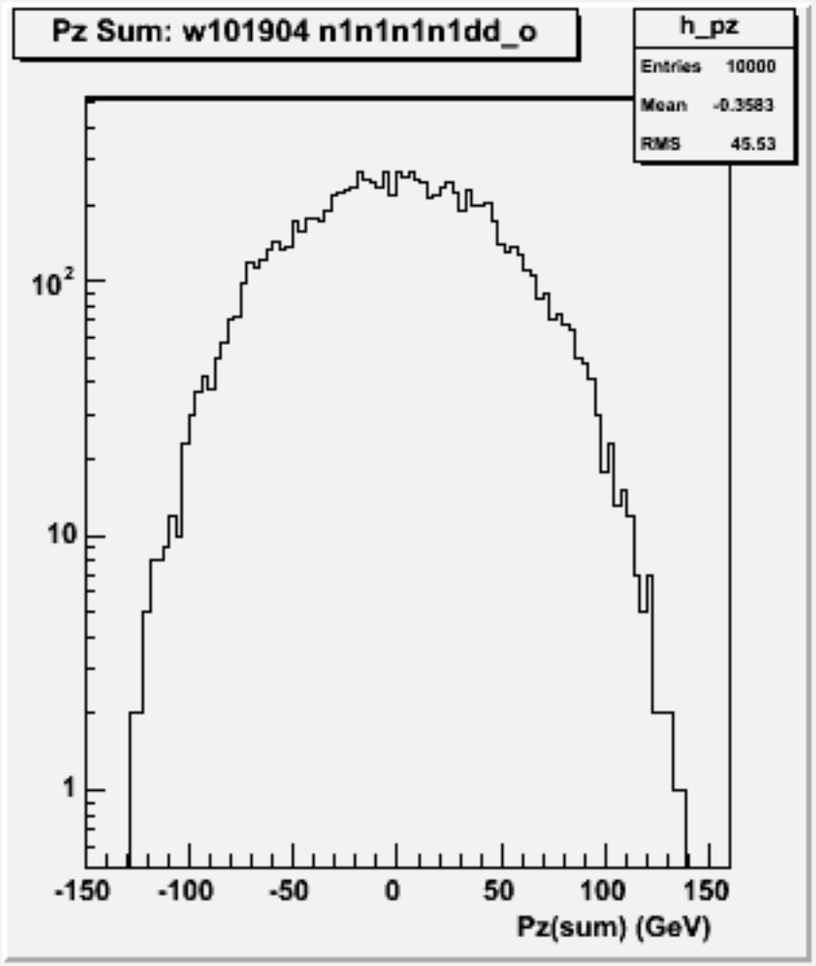

Start point Z : w101904 n1n1n1n1dd_o
h_vz
Entries 466310
Mean 0.07425
RMS 110.3
10^5
10^4
10^3
10^2
10
1
-6000 -4000 -2000 0 2000 4000 6000 8000 10000 12000
Start point

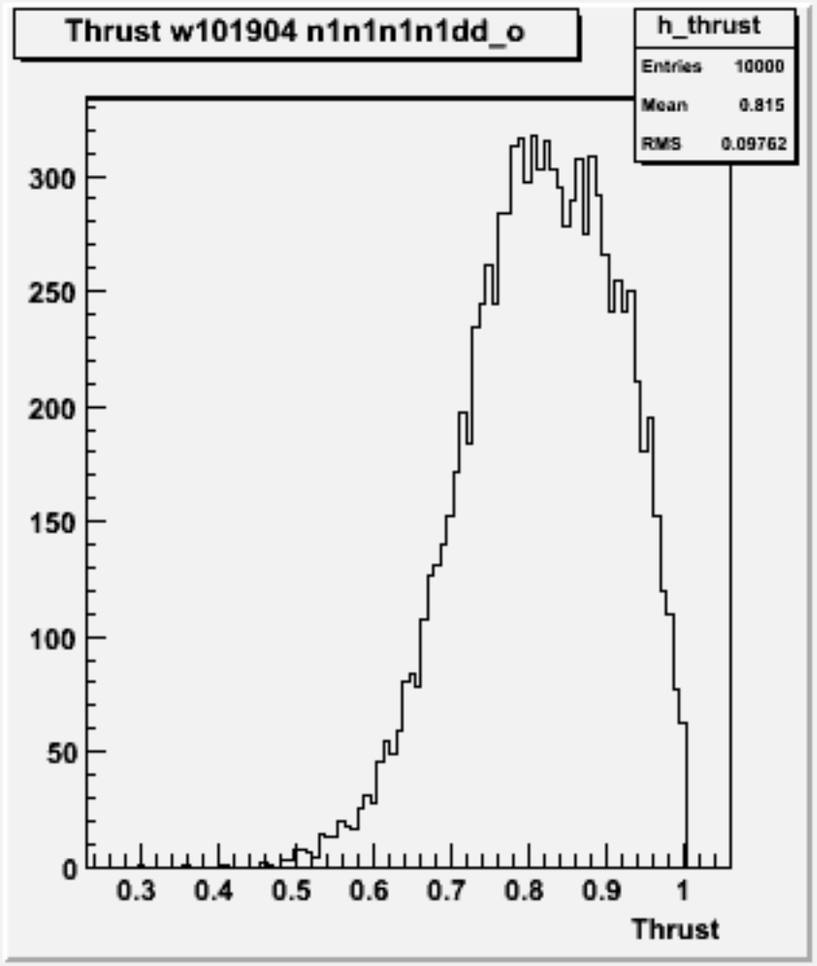

Total Energy (inc. ν): w101904 n1n1n1n1dd_o
h_etot
Entries 10000
Mean 348
RMS 4.181
Total Energy(GeV)

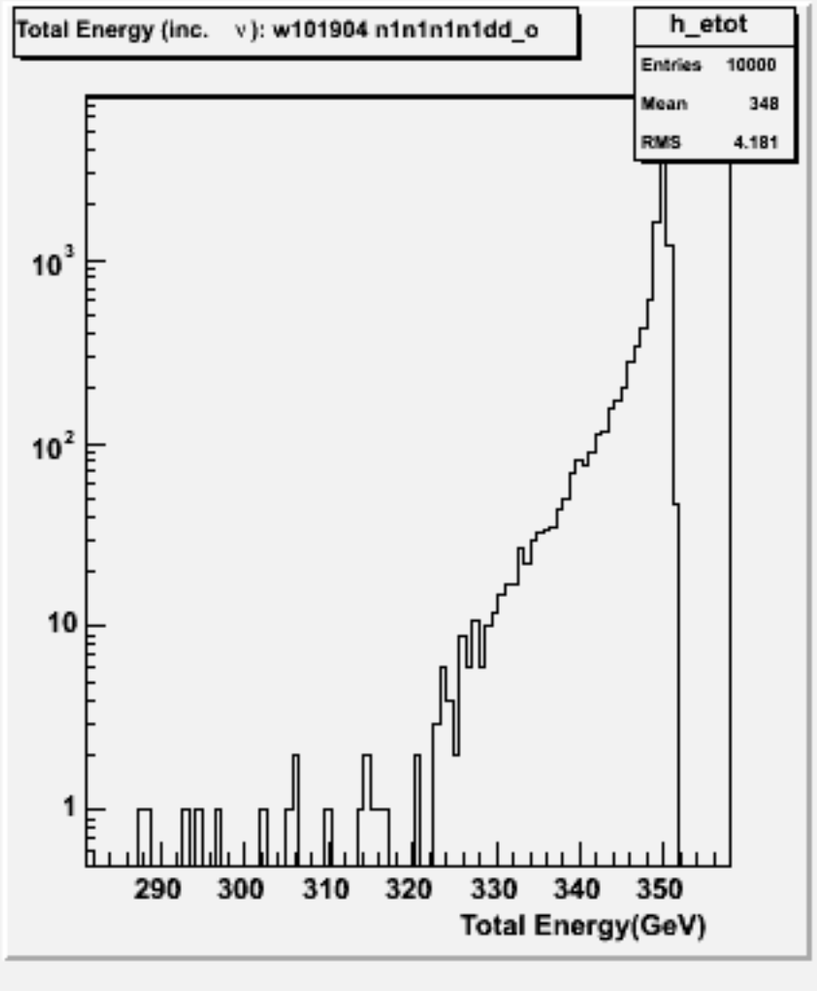

Total Energy (inc. ν): w101904 n1n1n1n1dd_o
h_etotc
Entries 9474
Mean 348.8
RMS 2.161
Total Energy(GeV)

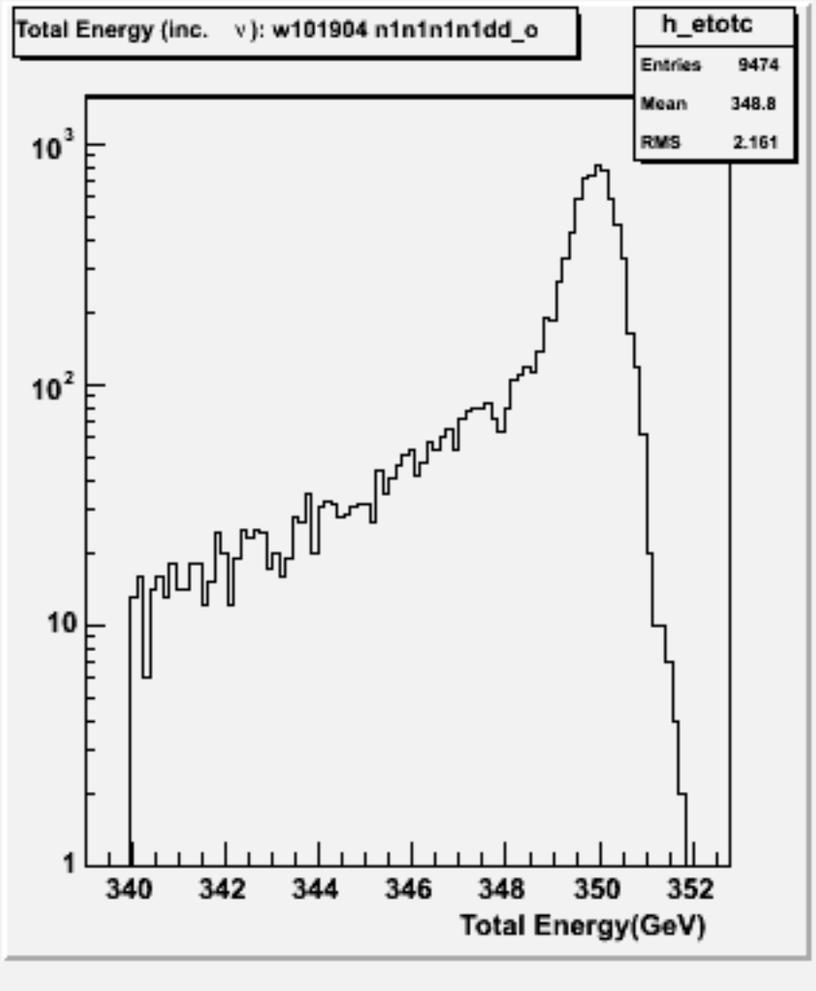

Total Energy (w/o ν): w101904 n1n1n1n1dd_o
h_evis
Entries 10000
Mean 118.3
RMS 20.25
Energy(GeV)

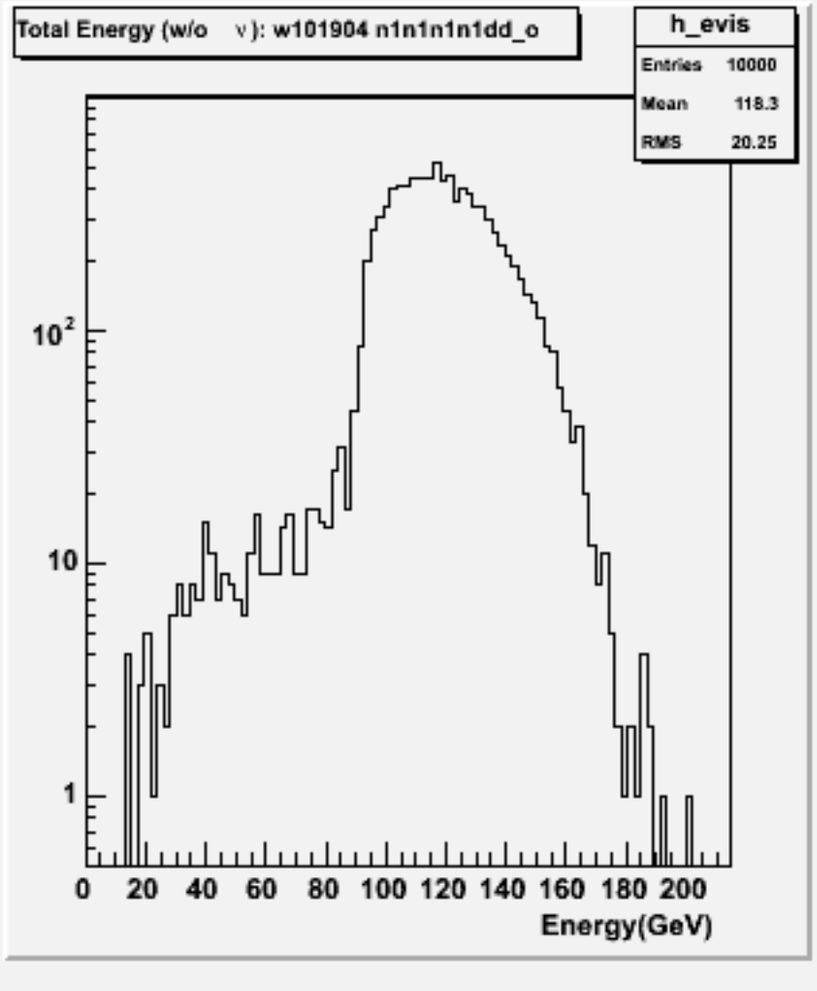

Pt Sum: w101904 n1n1n1n1dd_o
h_pt
Entries 10000
Mean 54.53
RMS 27.18
Pt(sum) (GeV)

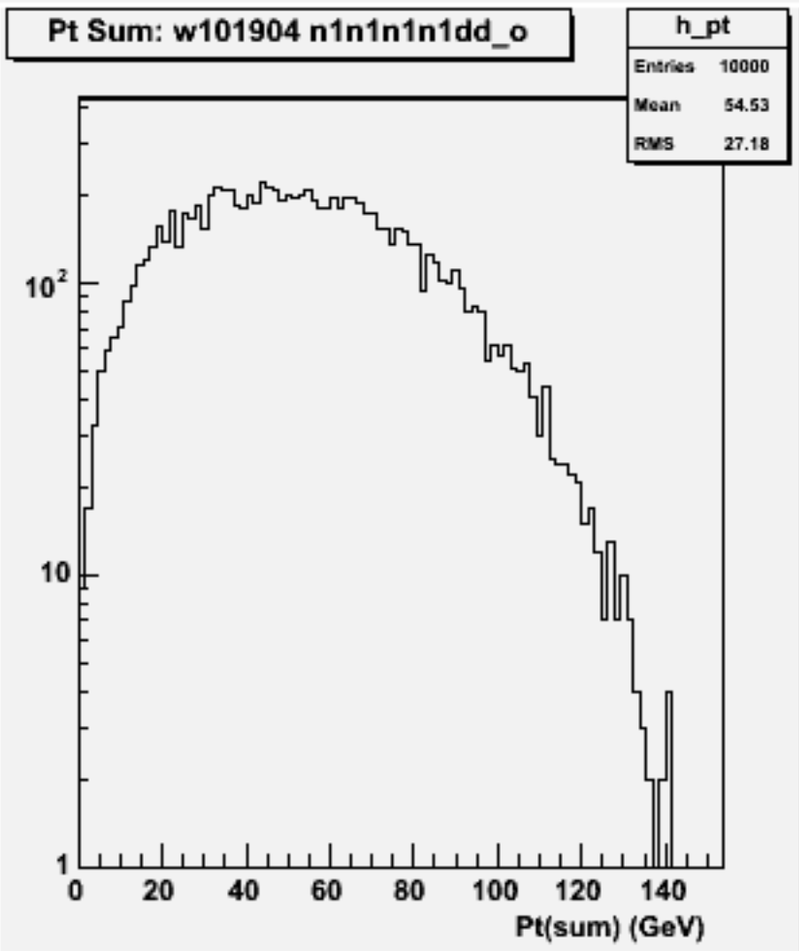

Pz Sum: w101904 n1n1n1n1dd_o
h_pz
Entries 10000
Mean -0.3583
RMS 45.53
Pz(sum) (GeV)

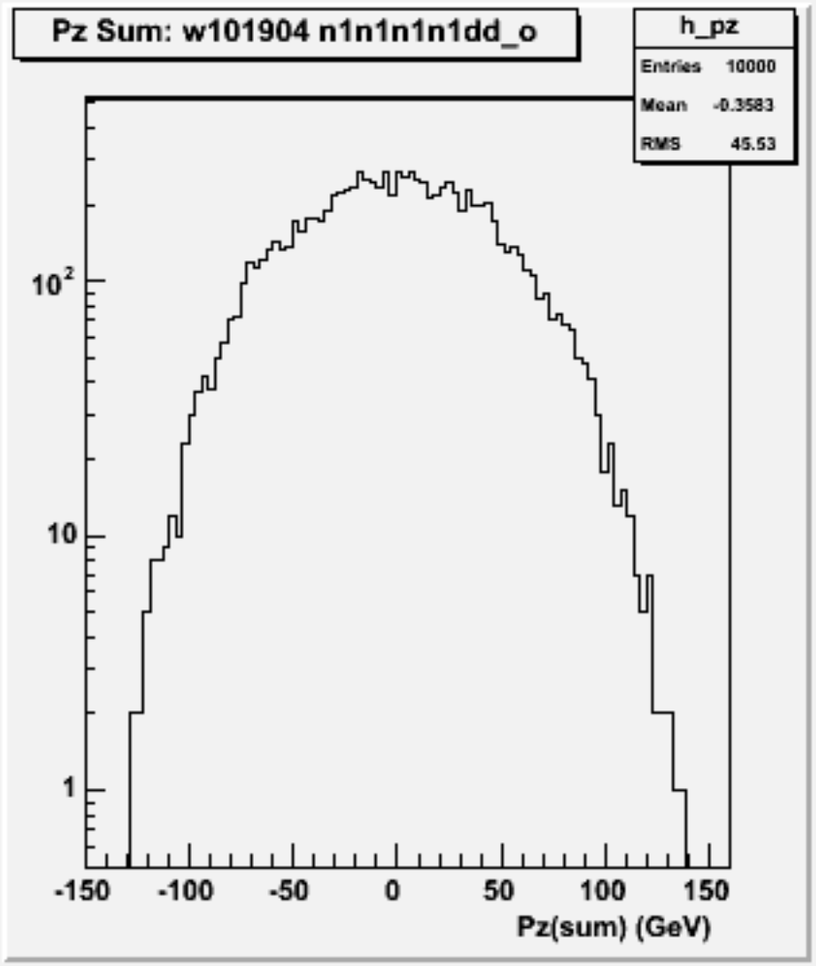

Thrust w101904 n1n1n1n1dd_o
h_thrust
Entries 10000
Mean 0.815
RMS 0.09762
Thrust

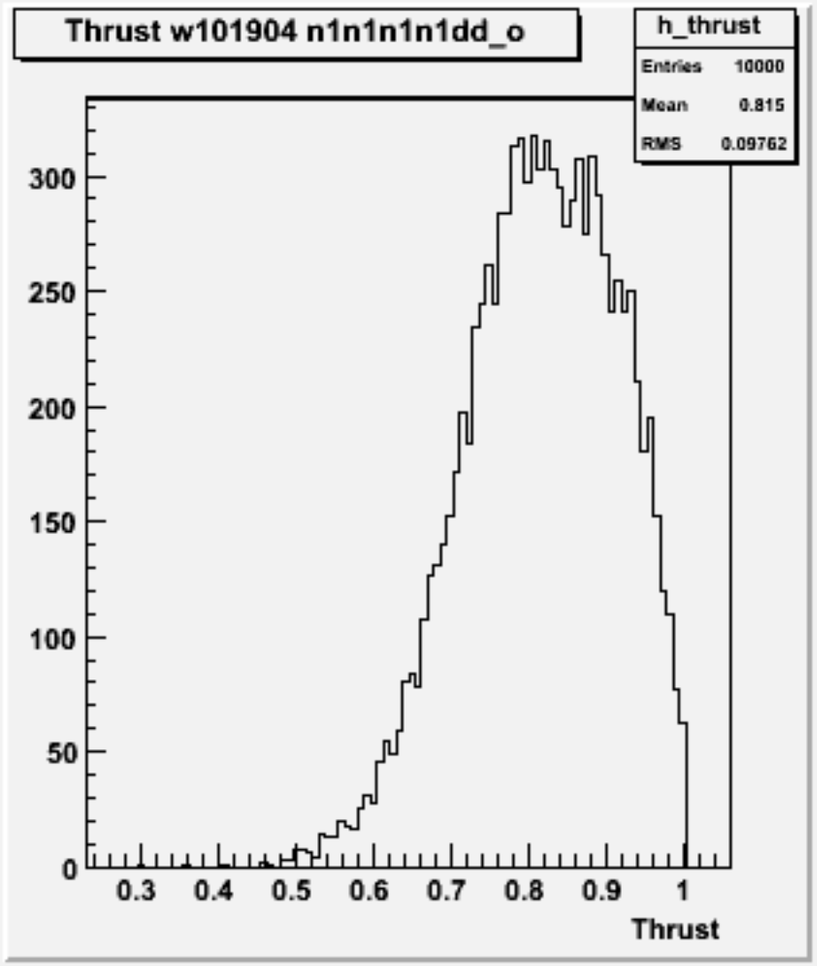

Total Energy (inc. ν): w101904 n1n1n1n1dd_o
h_etot
Entries 10000
Mean 348
RMS 4.181
Total Energy(GeV)

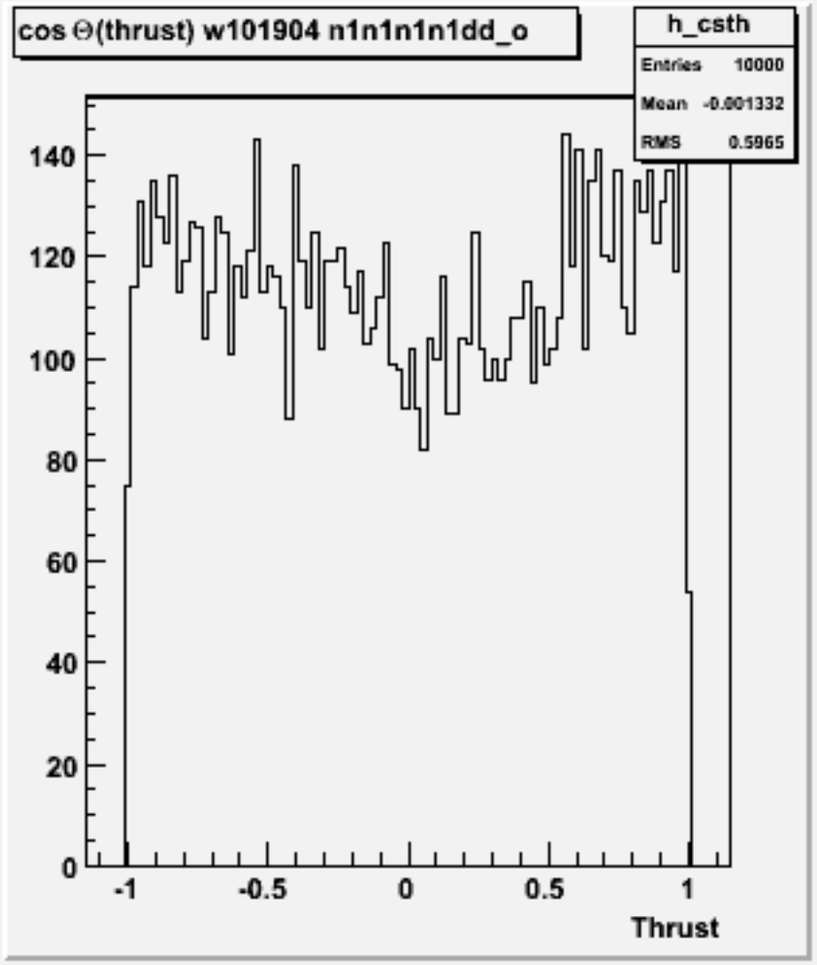

Total Energy (inc. ν): w101904 n1n1n1n1dd_o
h_etotc
Entries 9474
Mean 348.8
RMS 2.161
Total Energy(GeV)

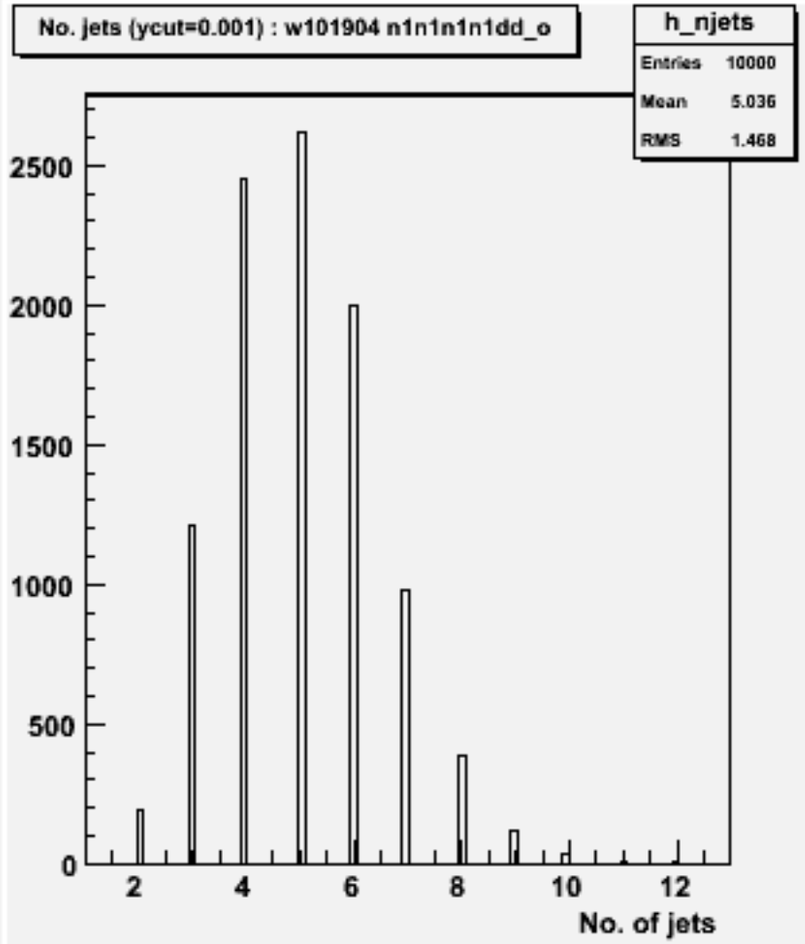

Total Energy (w/o ν): w101904 n1n1n1n1dd_o
h_evis
Entries 10000
Mean 118.3
RMS 20.25
Energy(GeV)

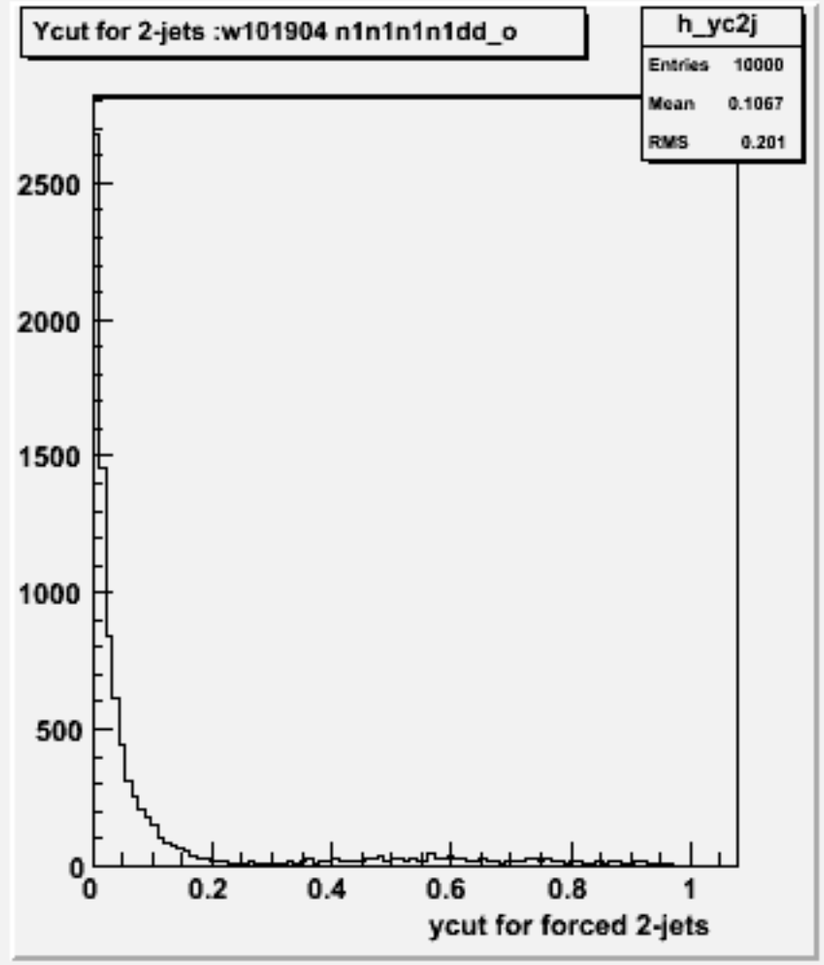

Pt Sum: w101904 n1n1n1n1dd_o
h_pt
Entries 10000
Mean 54.53
RMS 27.18
Pt(sum) (GeV)

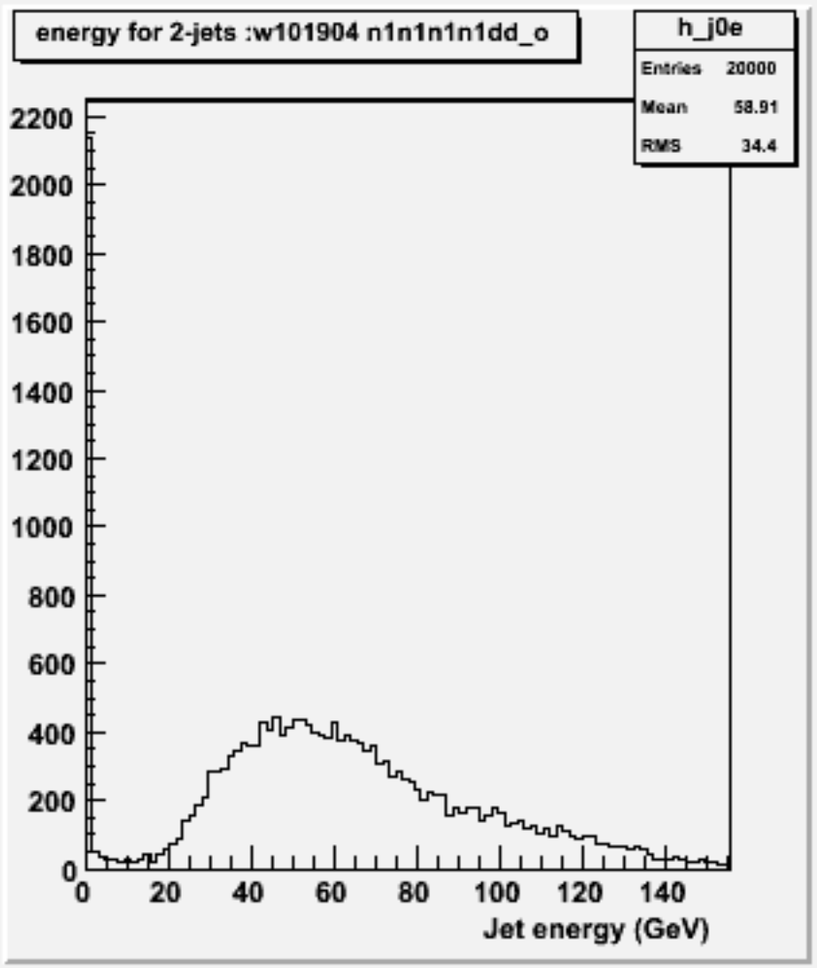

Pz Sum: w101904 n1n1n1n1dd_o
h_pz
Entries 10000
Mean -0.3583
RMS 45.53
Pz(sum) (GeV)

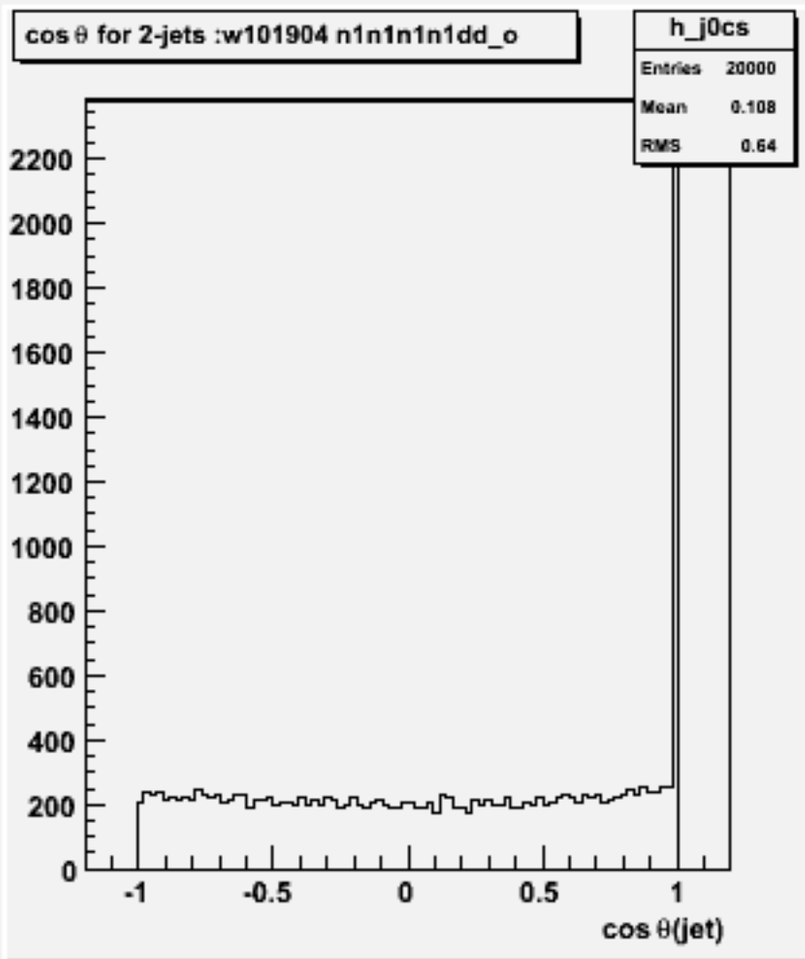

Thrust w101904 n1n1n1n1dd_o
h_thrust
Entries 10000
Mean 0.815
RMS 0.09762
Thrust

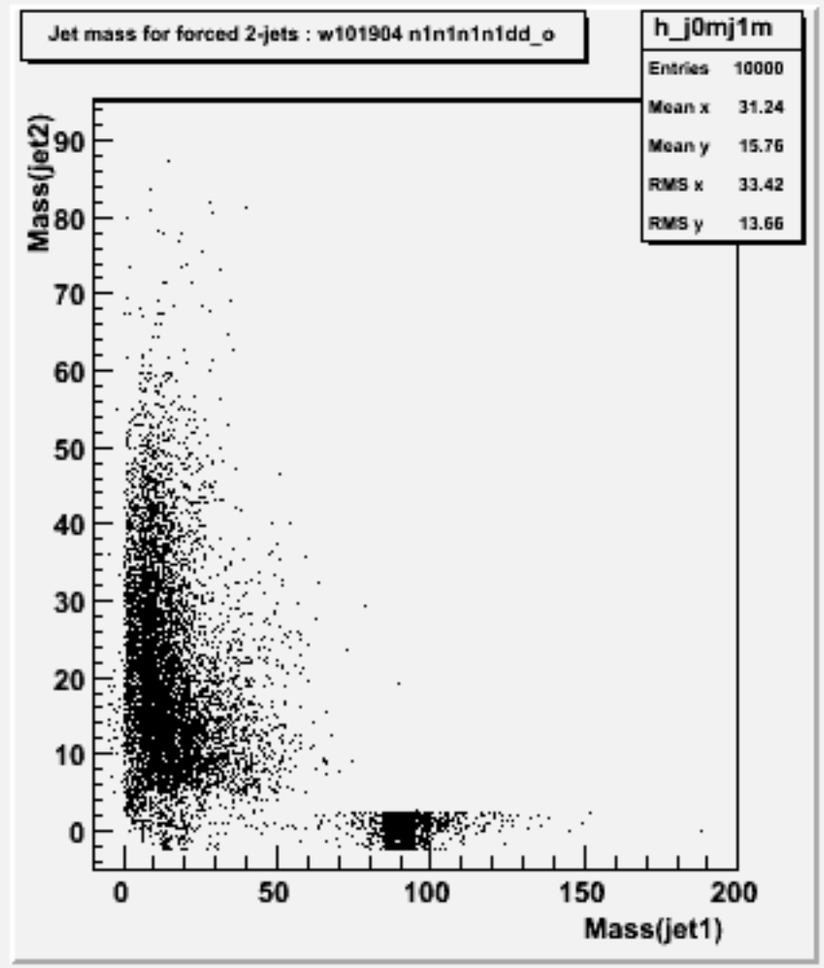

cos Θ(thrust) w101904 n1n1n1n1dd_o
h_csth
Entries 10000
Mean -0.001332
RMS 0.5965
Thrust

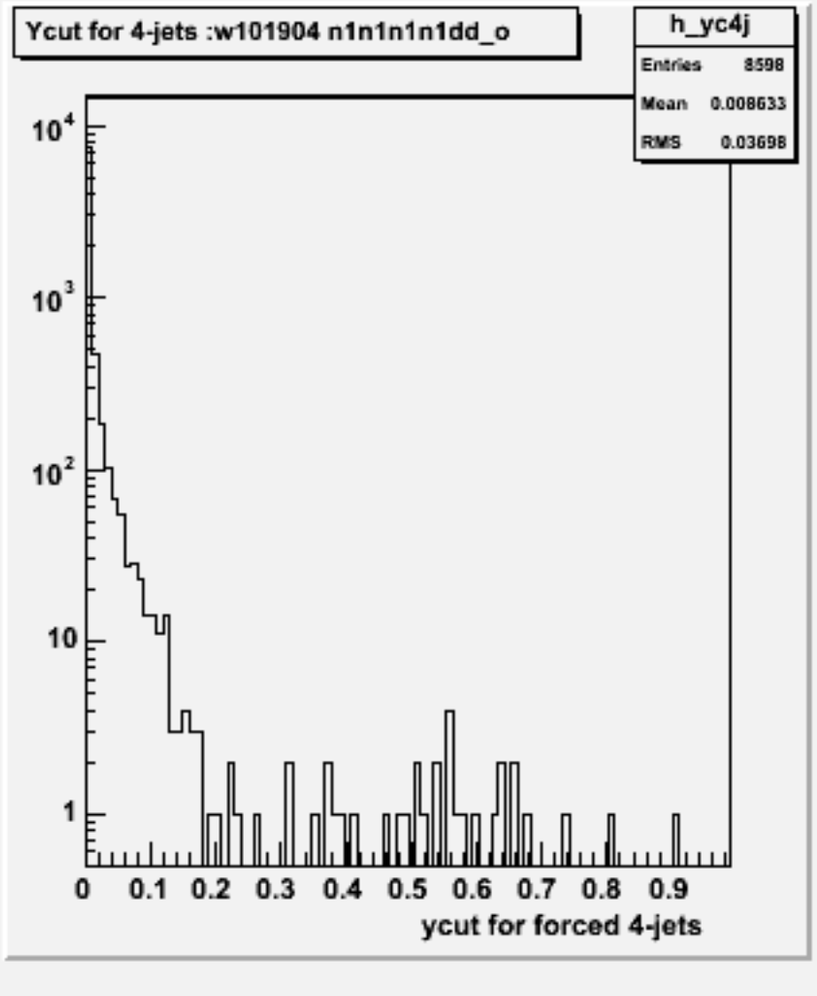

No. jets (ycut=0.001) : w101904 n1n1n1n1dd_o
h_njets
Entries 10000
Mean 5.036
RMS 1.468
No. of jets

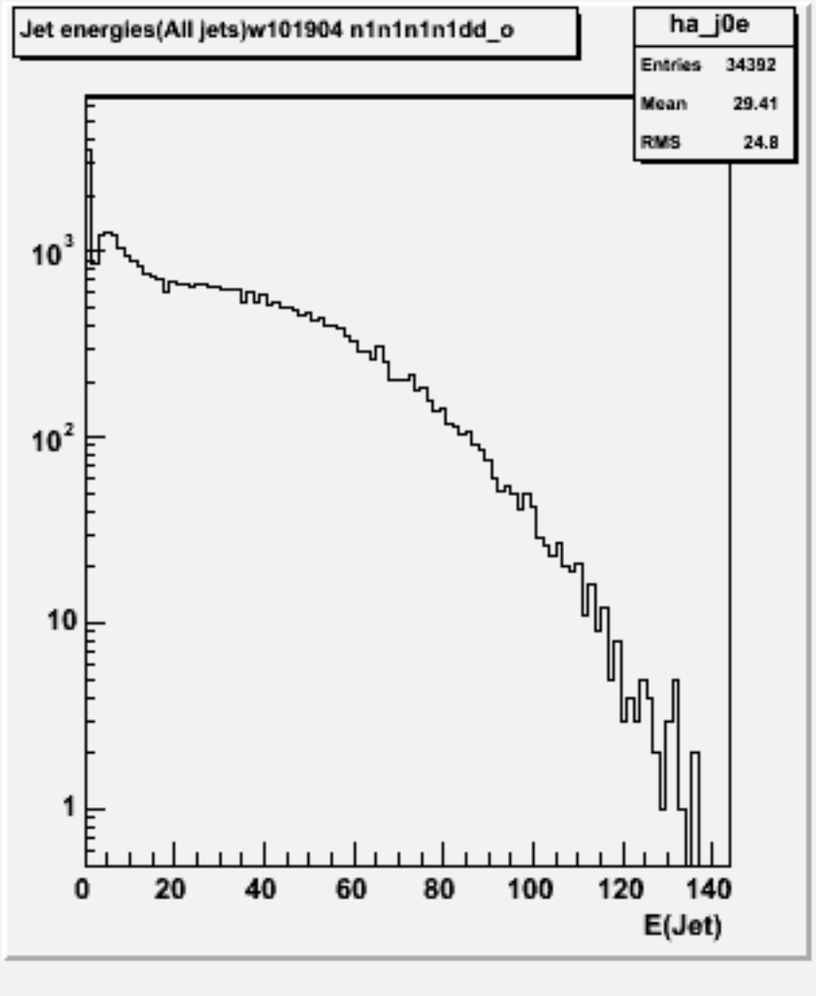

Ycut for 2-jets :w101904 n1n1n1n1dd_o
h_yc2j
Entries 10000
Mean 0.1067
RMS 0.201
ycut for forced 2-jets

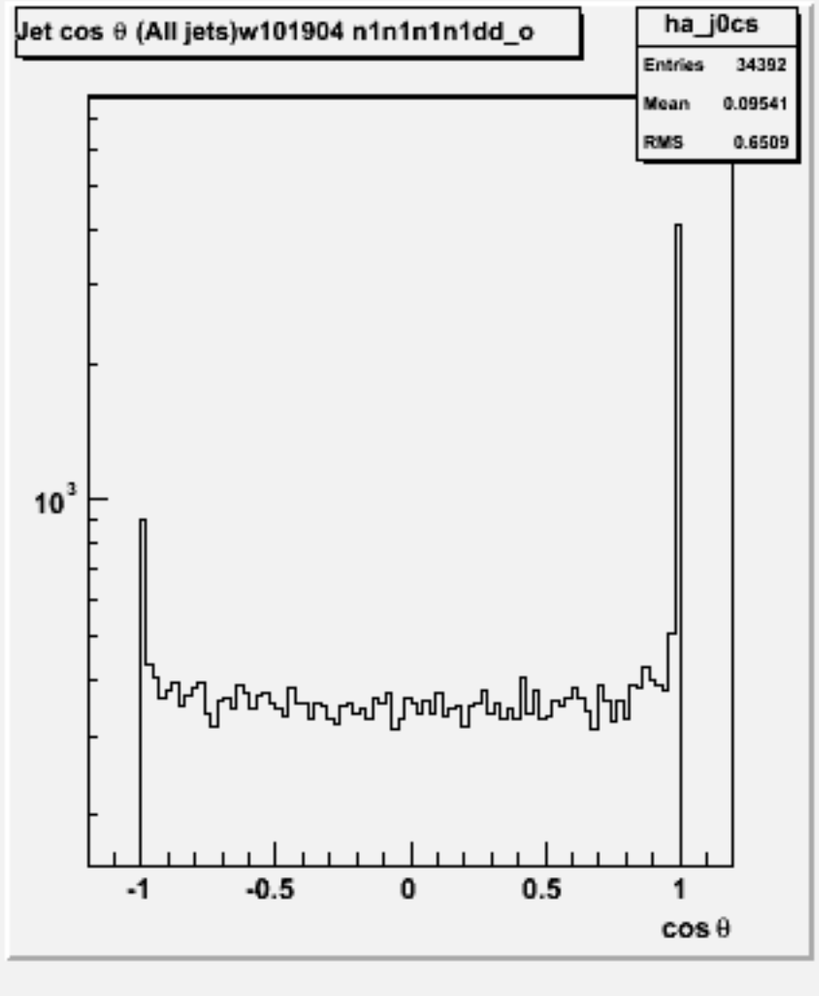

energy for 2-jets :w101904 n1n1n1n1dd_o
h_j0e
Entries 20000
Mean 58.91
RMS 34.4
Jet energy (GeV)

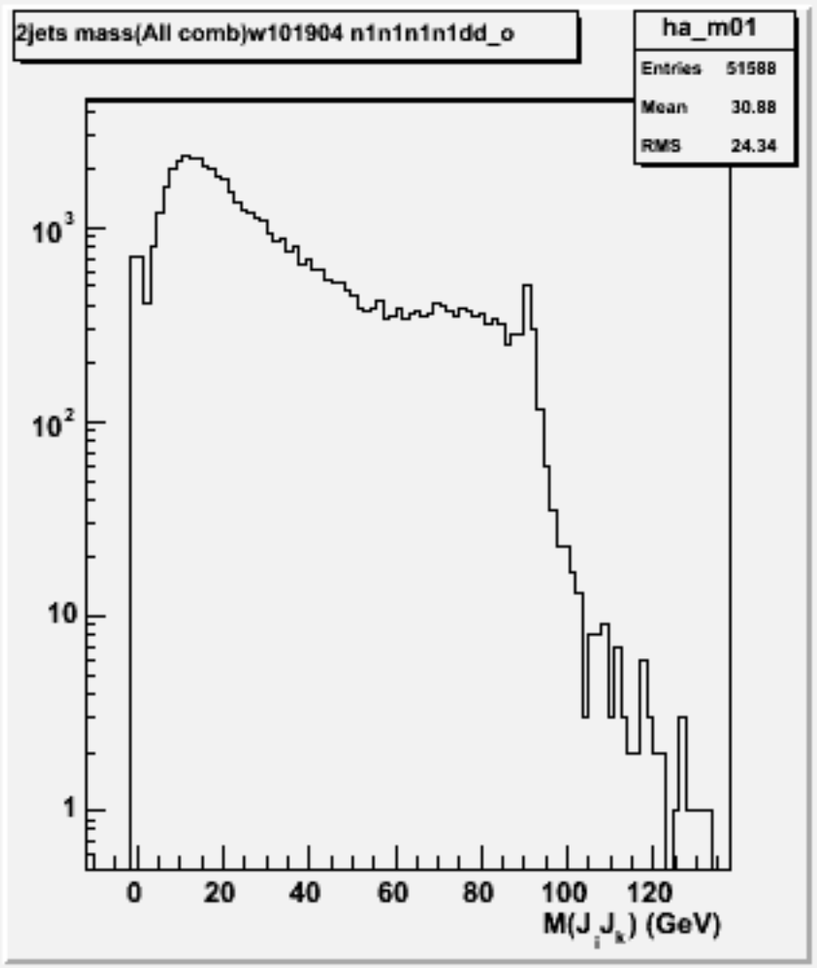

cos θ for 2-jets :w101904 n1n1n1n1dd_o
h_j0cs
Entries 20000
Mean 0.108
RMS 0.64
cos θ(jet)


Jet mass for forced 2-jets : w101904 n1n1n1n1dd_o
h_j0mj1m
Entries 10000
Mean x 31.24
Mean y 15.76
RMS x 33.42
RMS y 13.66
Mass(jet2)
Mass(jet1)


Ycut for 4-jets :w101904 n1n1n1n1dd_o
h_yc4j
Entries 8598
Mean 0.008633
RMS 0.03698
ycut for forced 4-jets


Jet energies(All jets)w101904 n1n1n1n1dd_o
ha_j0e
Entries 34392
Mean 29.41
RMS 24.8
E(Jet)


Jet cos θ (All jets)w101904 n1n1n1n1dd_o
ha_j0cs
Entries 34392
Mean 0.09541
RMS 0.6509
cos θ


2jets mass(All comb)w101904 n1n1n1n1dd_o
ha_m01
Entries 51588
Mean 30.88
RMS 24.34
M(J_iJ_k) (GeV)