Generator file information: 106458 physsim-tth-ln4q-hnonbb

process_id=106458

job_date_time=120730-135017-GMT+0900

process_name=physsim-tth-ln4q-hnonbb

process_type=physsim-tth-ln4q-hnonbb

CM_energy_in_GeV=1000.0000

program_name_version=physsim_dbd-01-01

pythia_version=6.422

stdhep_version=5-06-01

OS_version_build=2.6.18-164.el5;x86_64/GNU/Linux

OS_version_run=2.6.18-164.el5;x86_64/GNU/Linux

libc_version=glibc-2.5-58.el5_6.2.x86_64

fortran_version=gfortran-4.4.0.20090414

hadronisation_tune=OPAL

tau_decay=tauola

beam_particle1=e1

beam_particle2=E1

polarization1=R

polarization2=L

luminosity=103859.489429854

cross_section_in_fb=0.49094214

cross_section_error_in_fb=0.00013701918

lumi_linker_number=18

machine_configuration=B1b_ws

file_type=stdhep24

total_number_of_events=50989

number_of_files=5

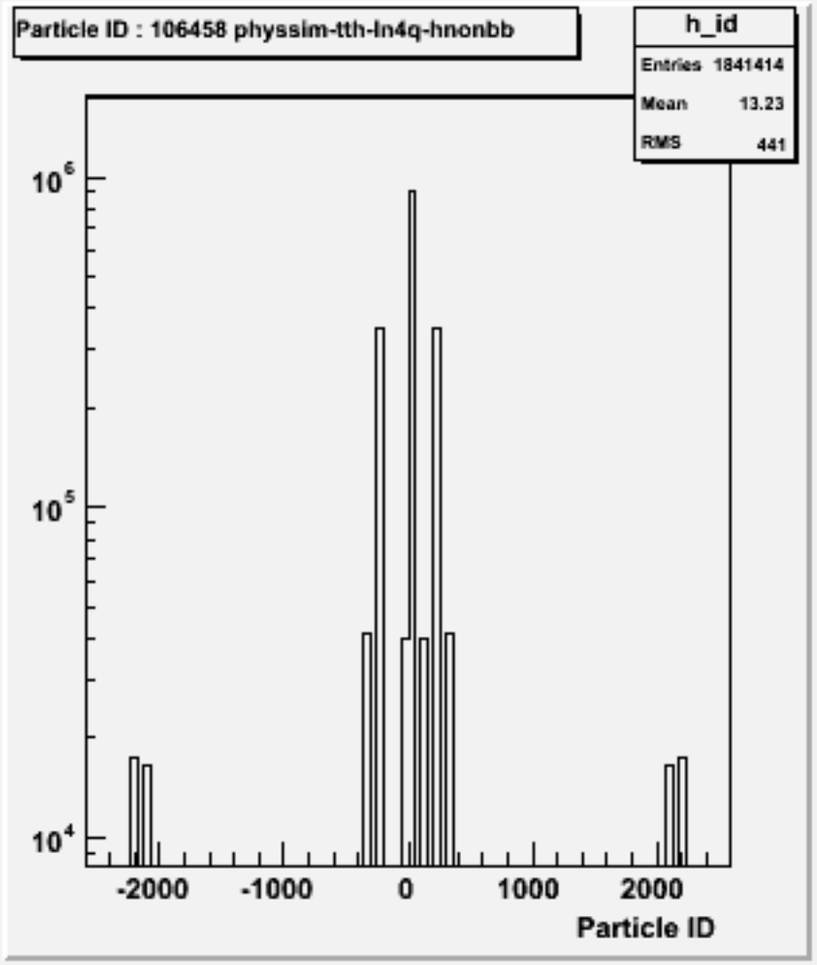
file_names=E1000-B1b_ws.Ptth-ln4q-hnonbb.eR.pL.Gphyssim_dbd-01-01.I106458.001.stdhep;E1000-B1b_ws.Ptth-ln4q-hnonbb.eR.pL.Gphyssim_dbd

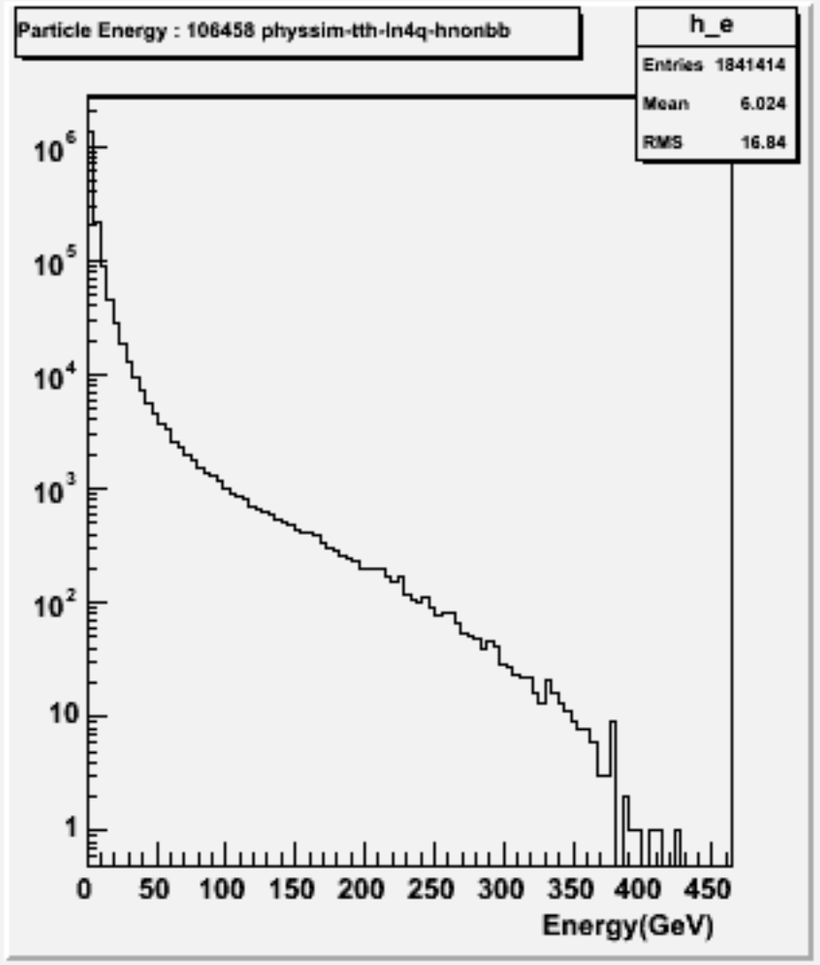
number_of_events_in_files=11653;11644;11680;11653;4370

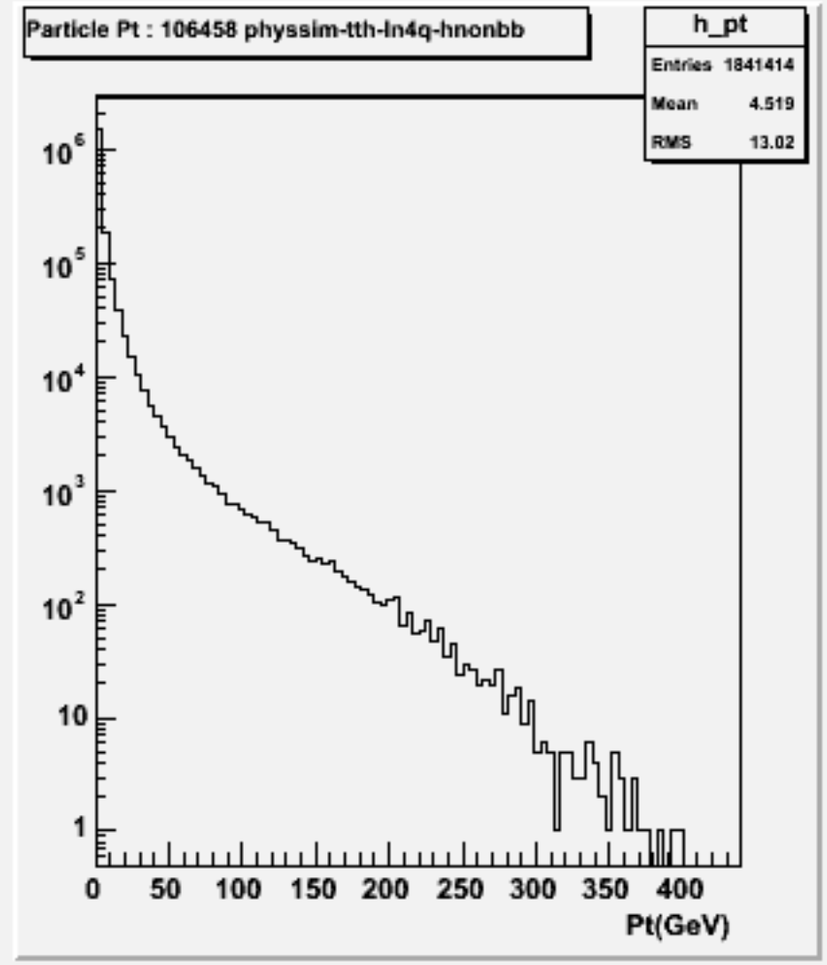
fileurl=lfn:/grid/ilc/prod/ilc/mc-dbd/generated/1000-B1b_ws/tth

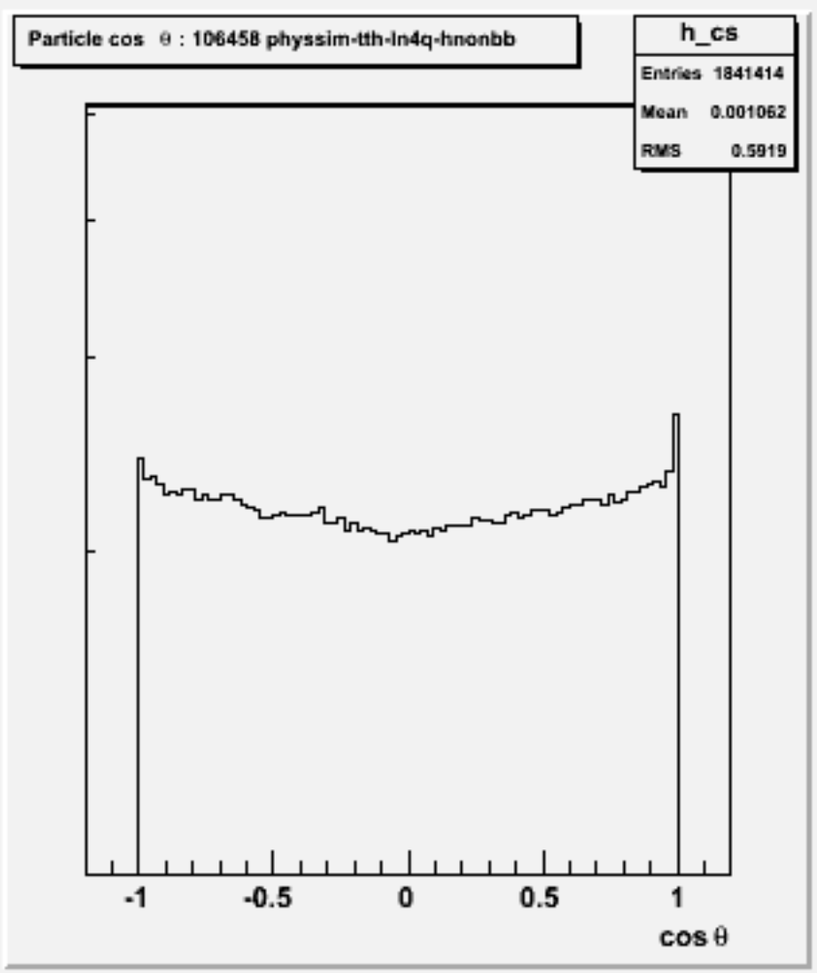
logurl=http://www-jlc.kek.jp/~miyamoto/CDS/1000-B1b_ws/run_output/E1000-B1b_ws.Ptth-ln4q-hnonbb.eR.pL.Gphyssim_dbd-01-01.I106458

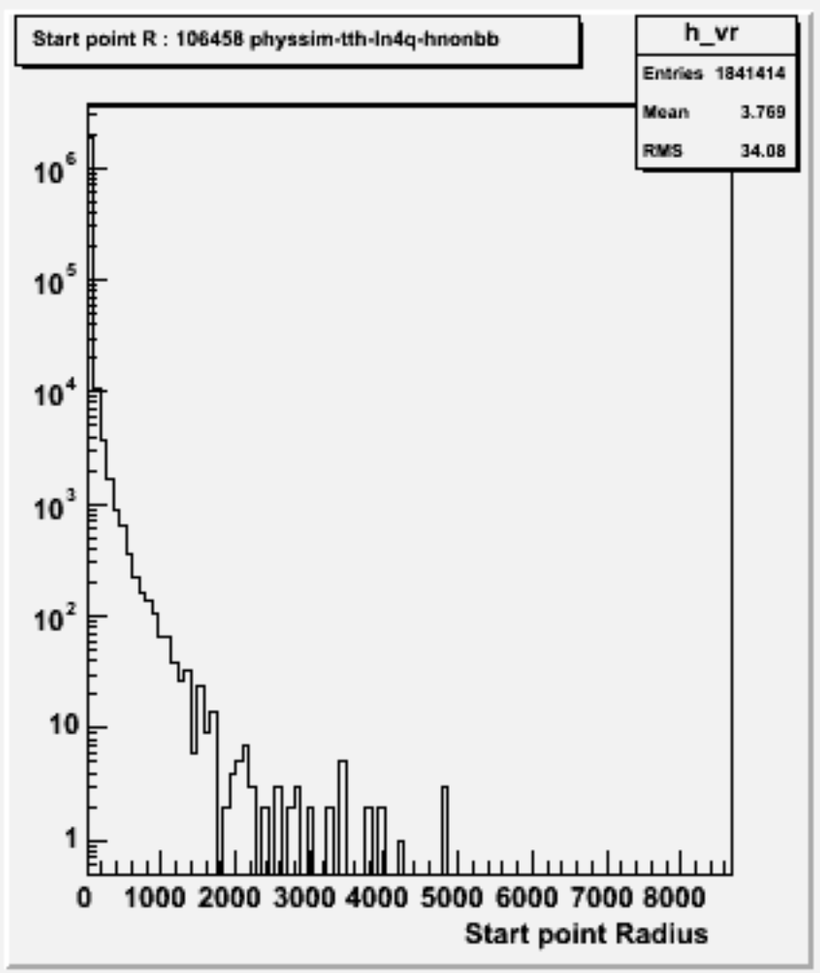
higgs_mass=125.0

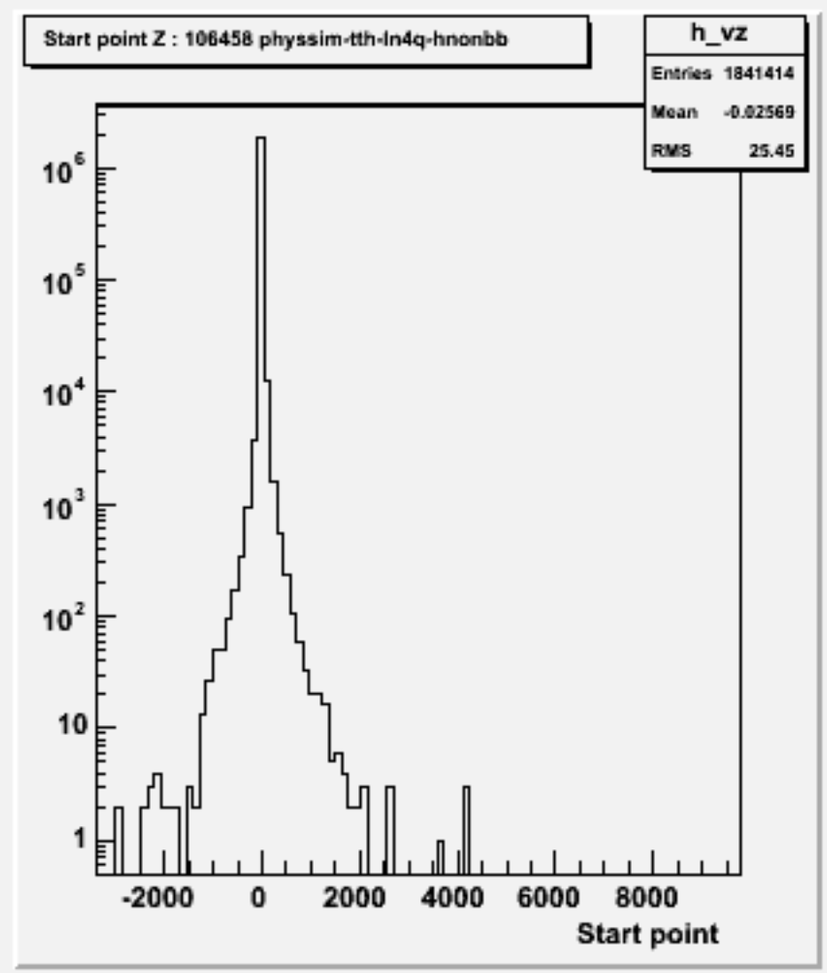

Particle ID : 106458 physsim-tth-ln4q-hnonbb
h_id
Entries 1841414
Mean 13.23
RMS 441
Particle ID

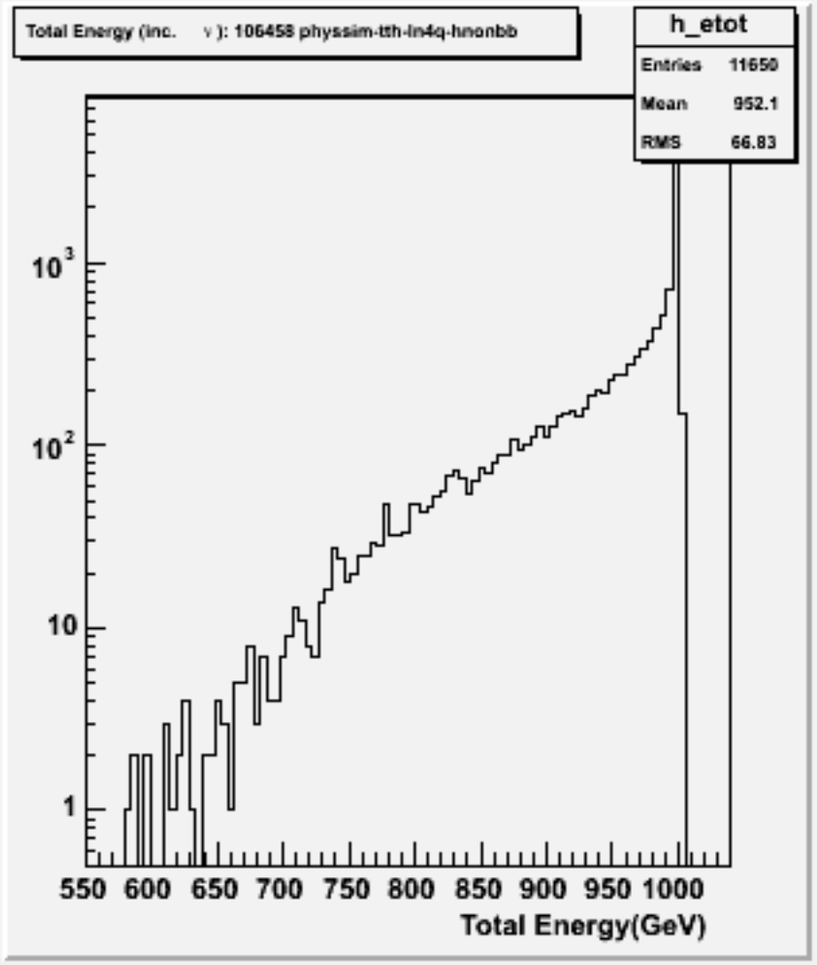

Particle Energy : 106458 physsim-tth-ln4q-hnonbb
h_e
Entries 1841414
Mean 6.024
RMS 16.84
Energy(GeV)

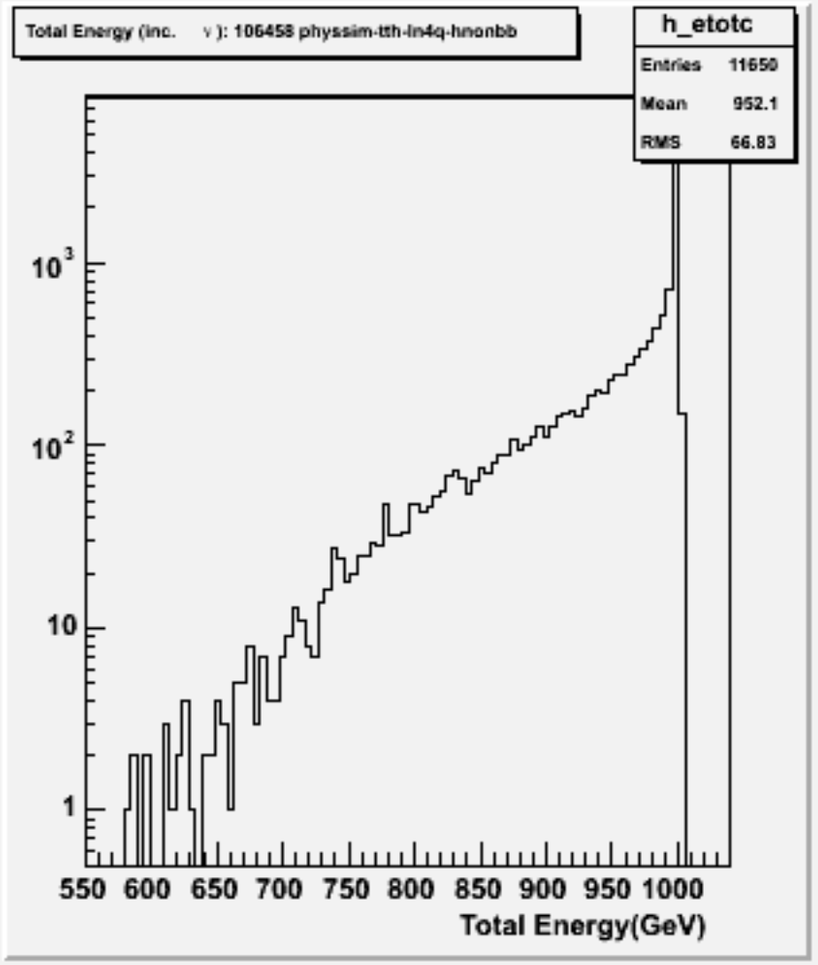

Particle Pt : 106458 physsim-tth-ln4q-hnonbb
h_pt
Entries 1841414
Mean 4.519
RMS 13.02
Pt(GeV)

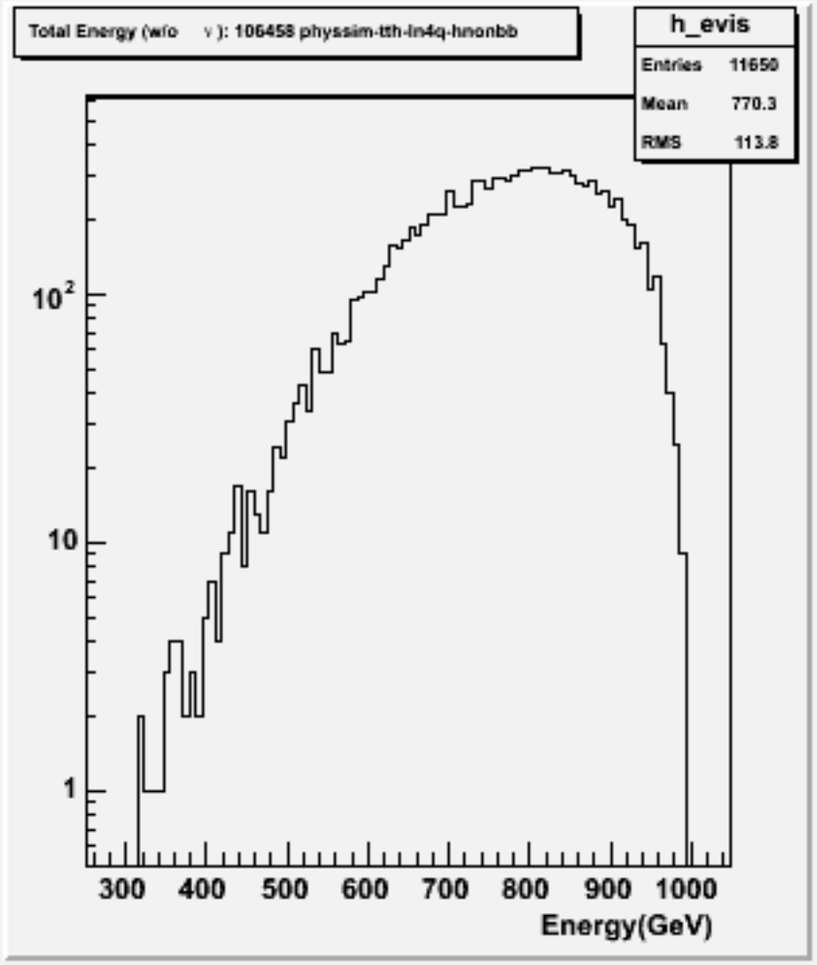

Particle cos θ : 106458 physsim-tth-ln4q-hnonbb
h_cs
Entries 1841414
Mean 0.001062
RMS 0.5919
cos θ

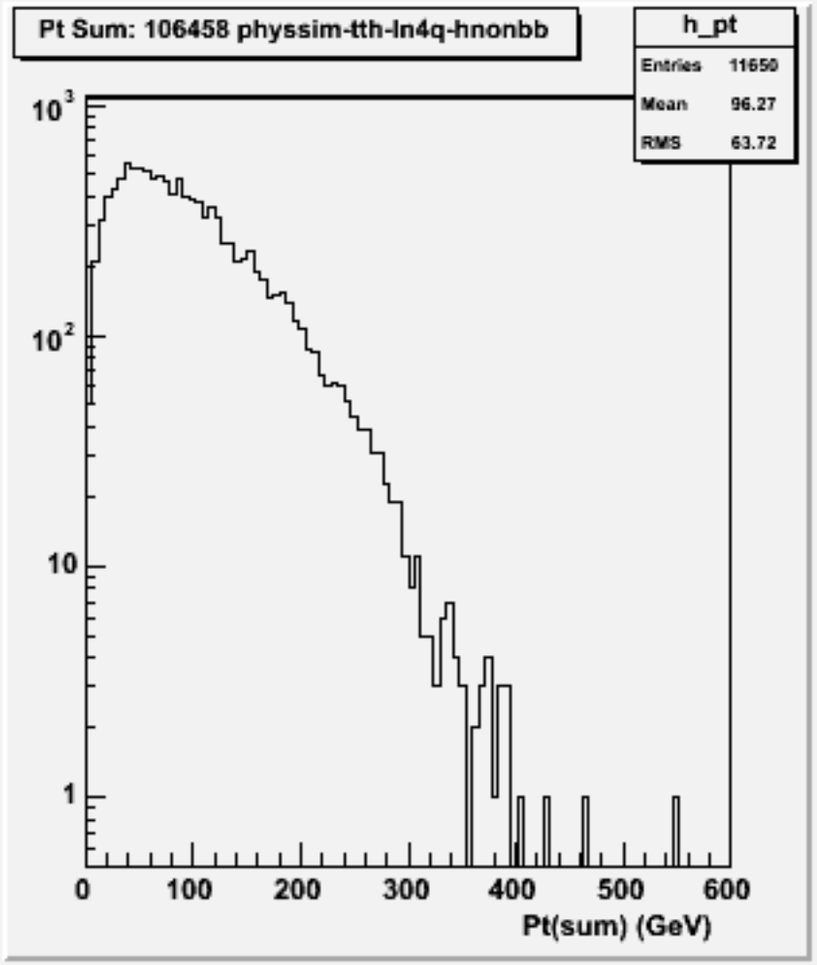

Start point R : 106458 physsim-tth-ln4q-hnonbb
h_vr
Entries 1841414
Mean 3.769
RMS 34.08
Start point Radius

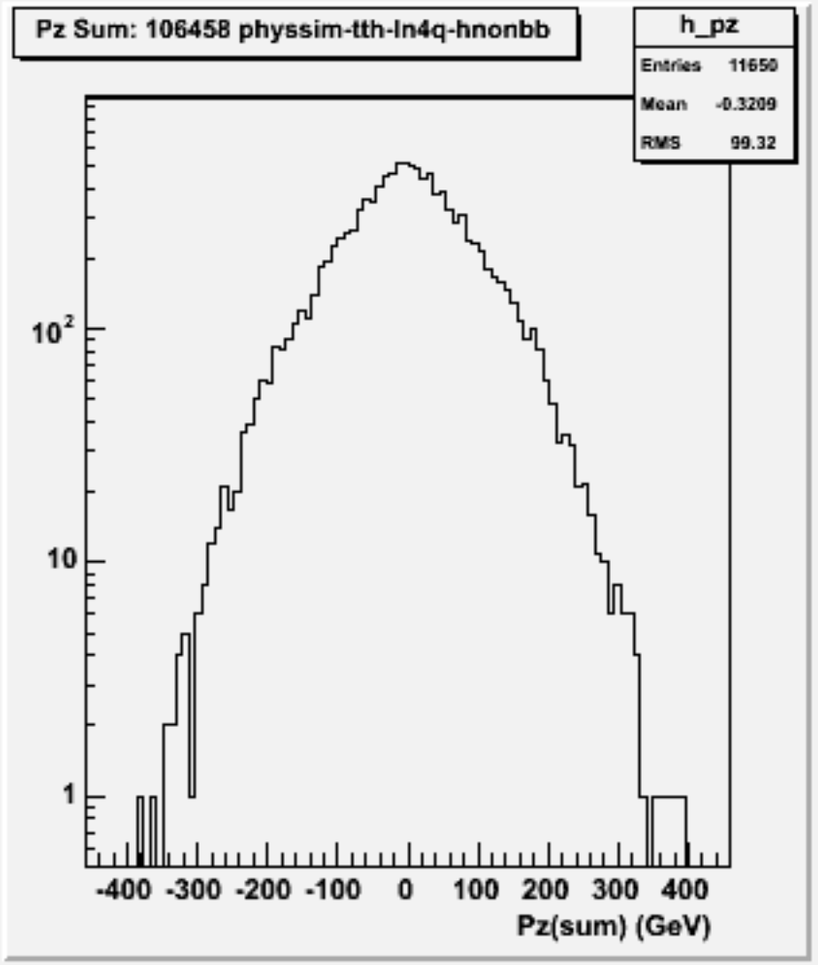

Start point Z : 106458 physsim-tth-ln4q-hnonbb
h_vz
Entries 1841414
Mean -0.02569
RMS 25.45
Start point

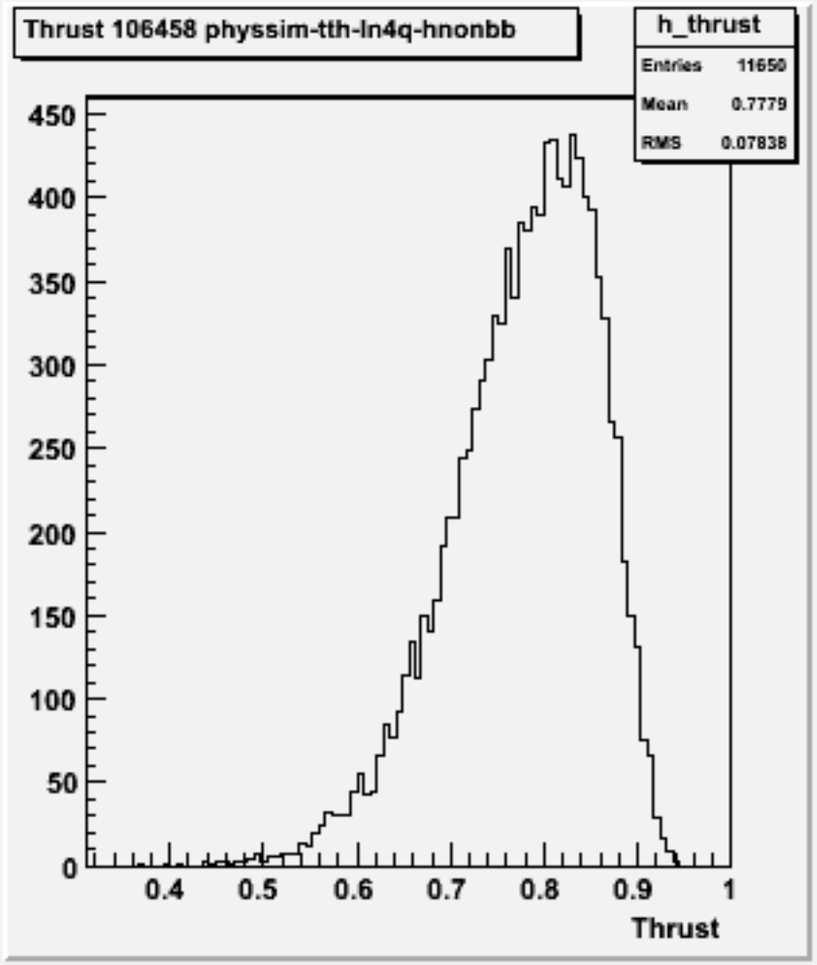

Total Energy (inc. ν): 106458 physsim-tth-ln4q-hnonbb
h_etot
Entries 11650
Mean 952.1
RMS 66.83
Total Energy(GeV)

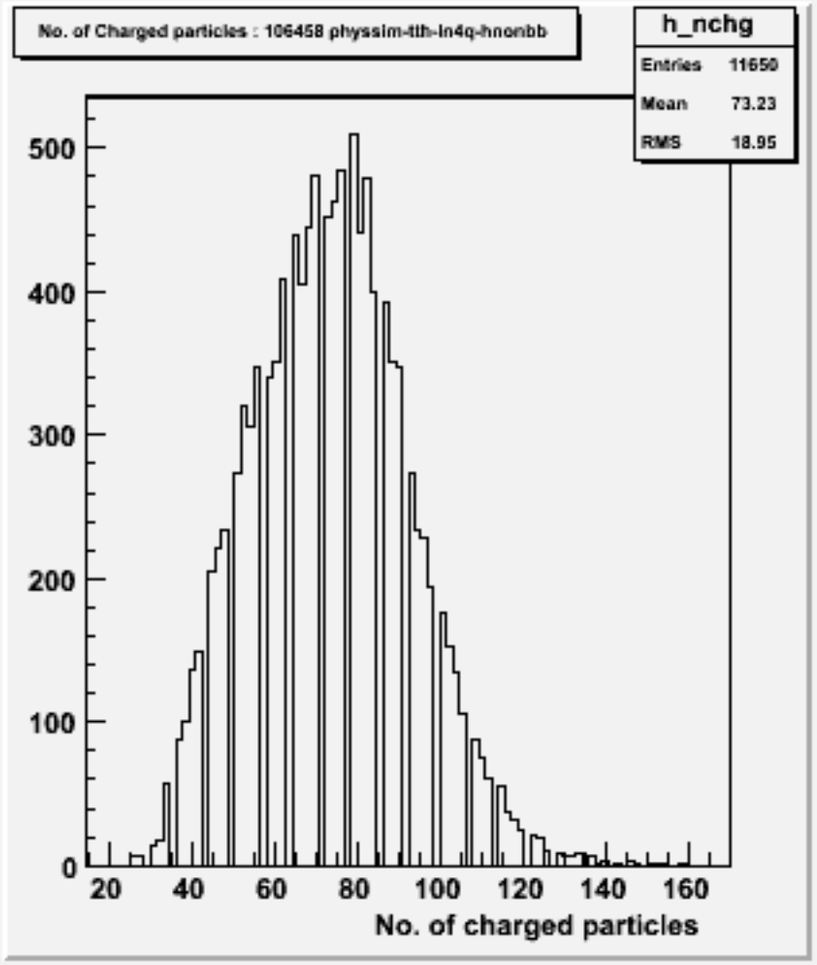

Total Energy (inc. ν): 106458 physsim-tth-ln4q-hnonbb
h_etotc
Entries 11650
Mean 952.1
RMS 66.83
Total Energy(GeV)

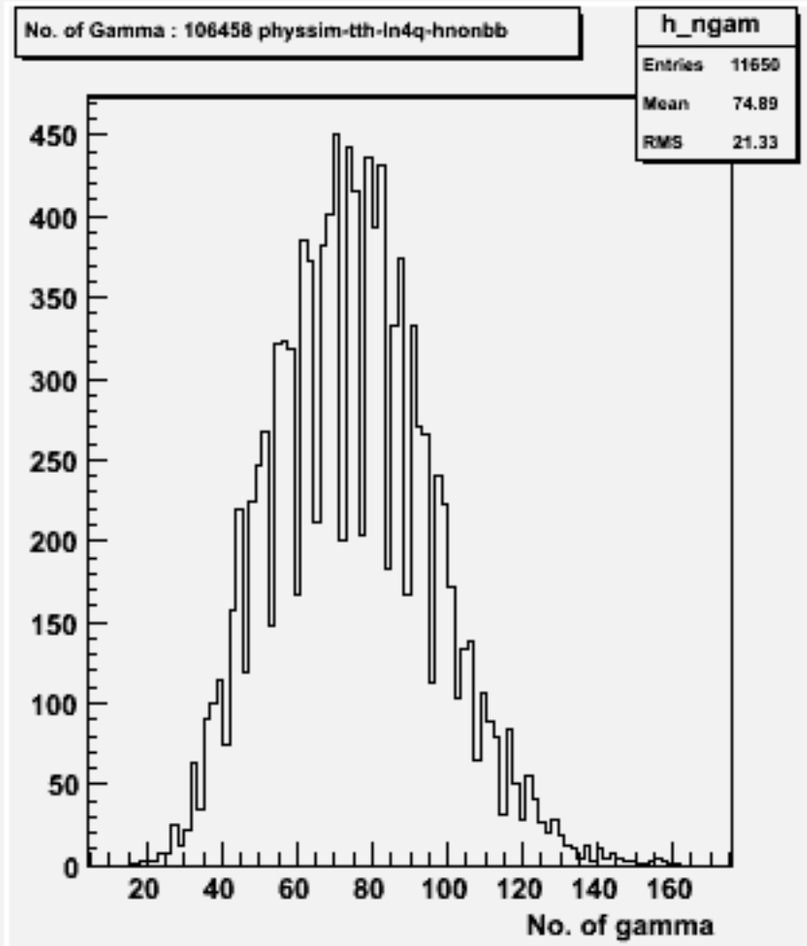

Total Energy (w/o ν): 106458 physsim-tth-ln4q-hnonbb
h_evis
Entries 11650
Mean 770.3
RMS 113.8
Energy(GeV)

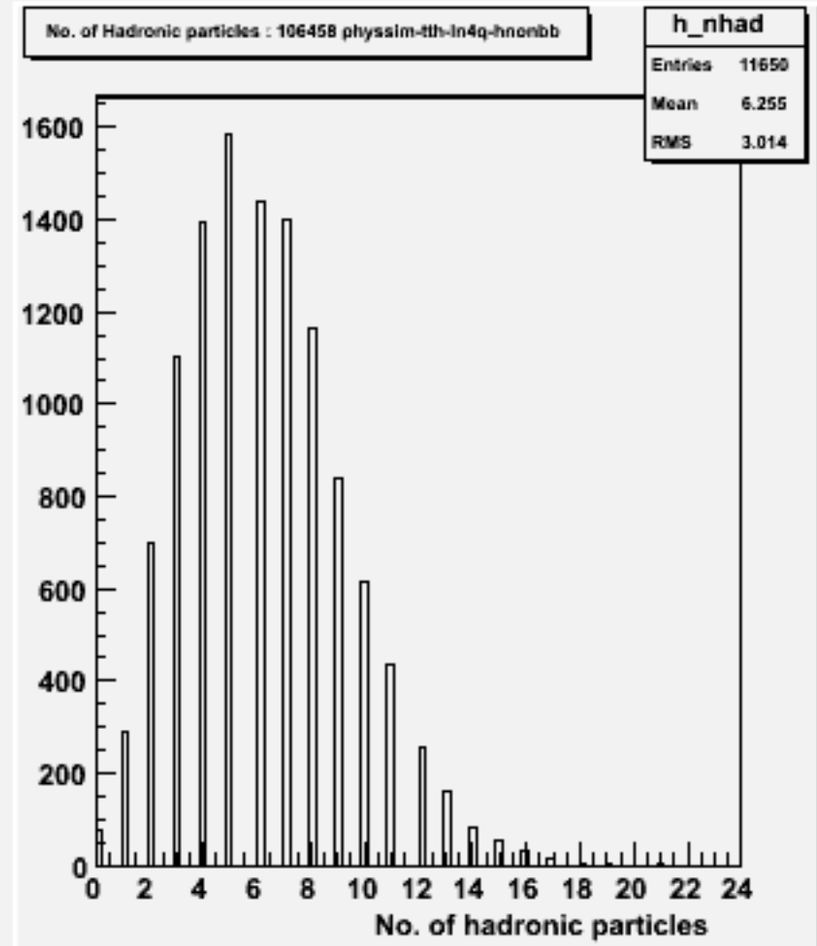

Pt Sum: 106458 physsim-tth-ln4q-hnonbb
h_pt
Entries 11650
Mean 96.27
RMS 63.72
Pt(sum) (GeV)

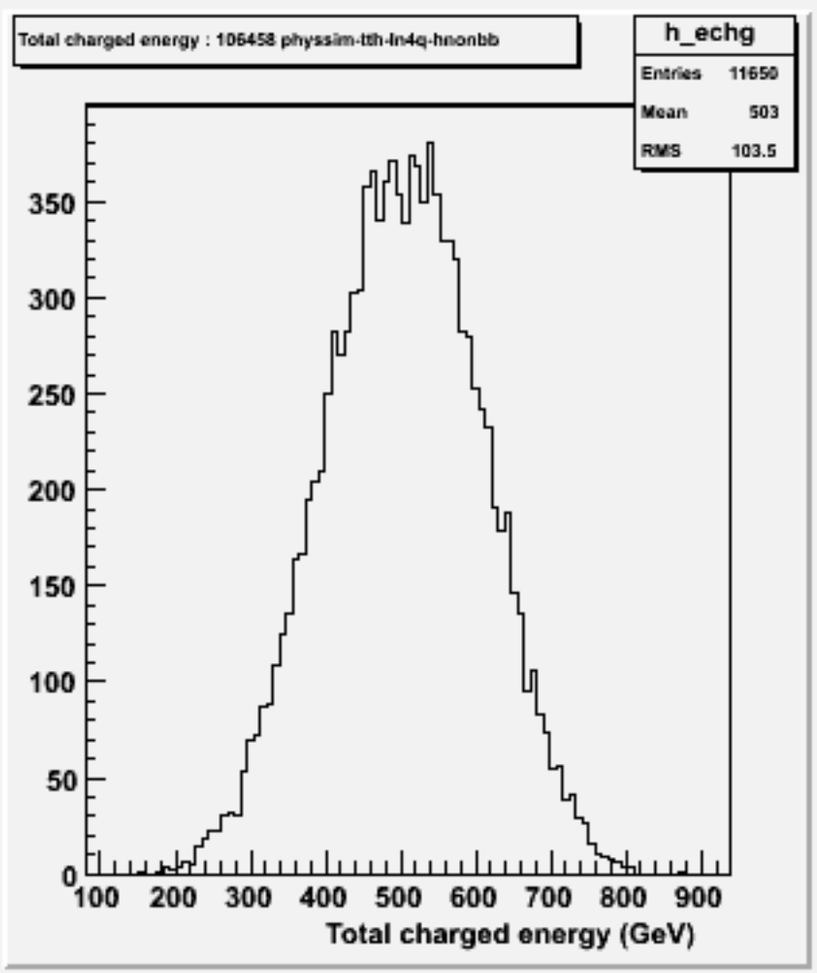

Pz Sum: 106458 physsim-tth-ln4q-hnonbb
h_pz
Entries 11650
Mean -0.3209
RMS 99.32
Pz(sum) (GeV)

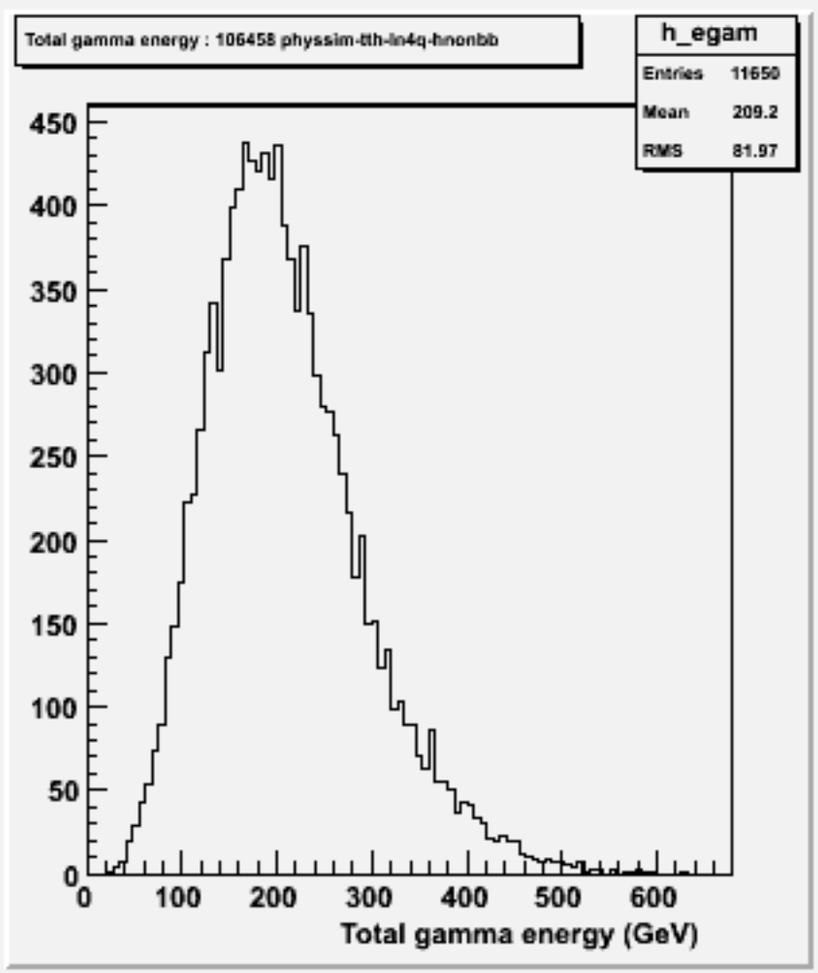

Thrust 106458 physsim-tth-ln4q-hnonbb
h_thrust
Entries 11650
Mean 0.7779
RMS 0.07838
Thrust

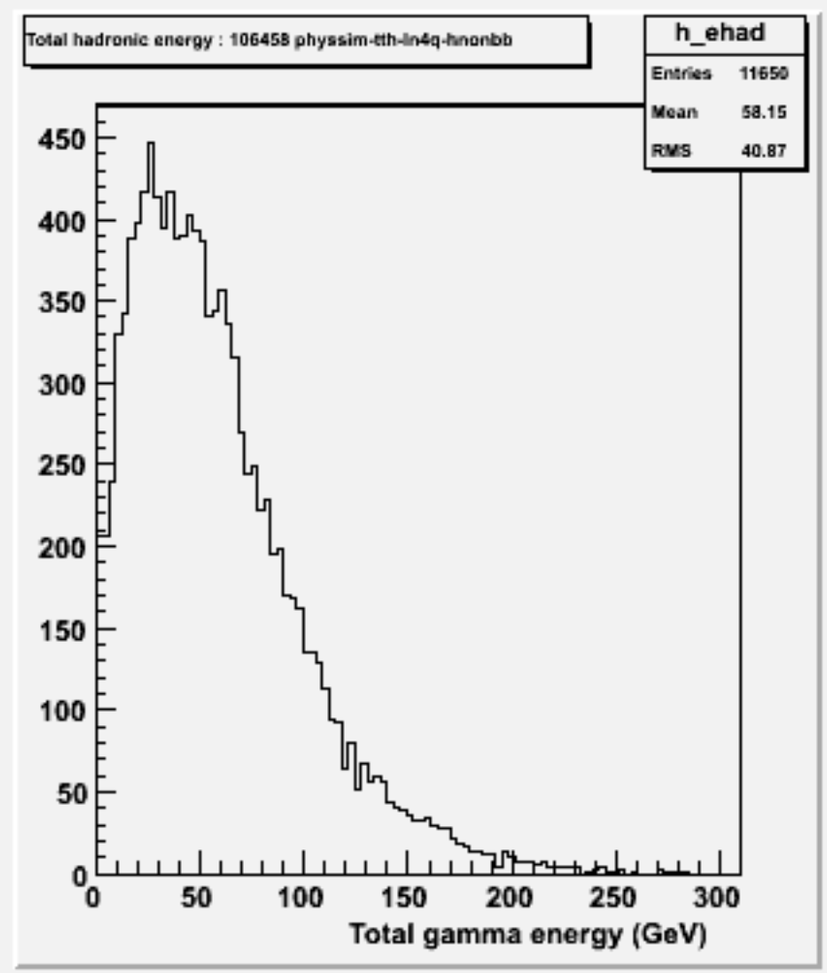

No. of Charged particles : 106458 physsim-tth-ln4q-hnonbb
h_nchg
Entries 11650
Mean 73.23
RMS 18.95
No. of charged particles

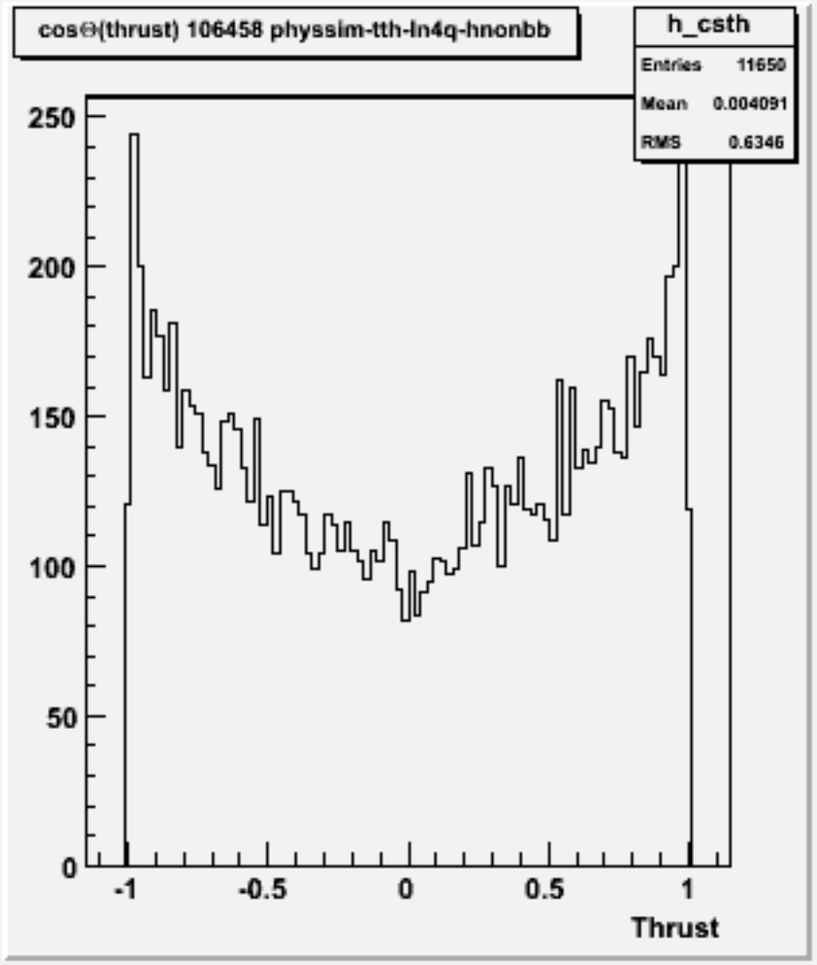

No. of Gamma : 106458 physsim-tth-ln4q-hnonbb
h_ngam
Entries 11650
Mean 74.89
RMS 21.33
No. of gamma

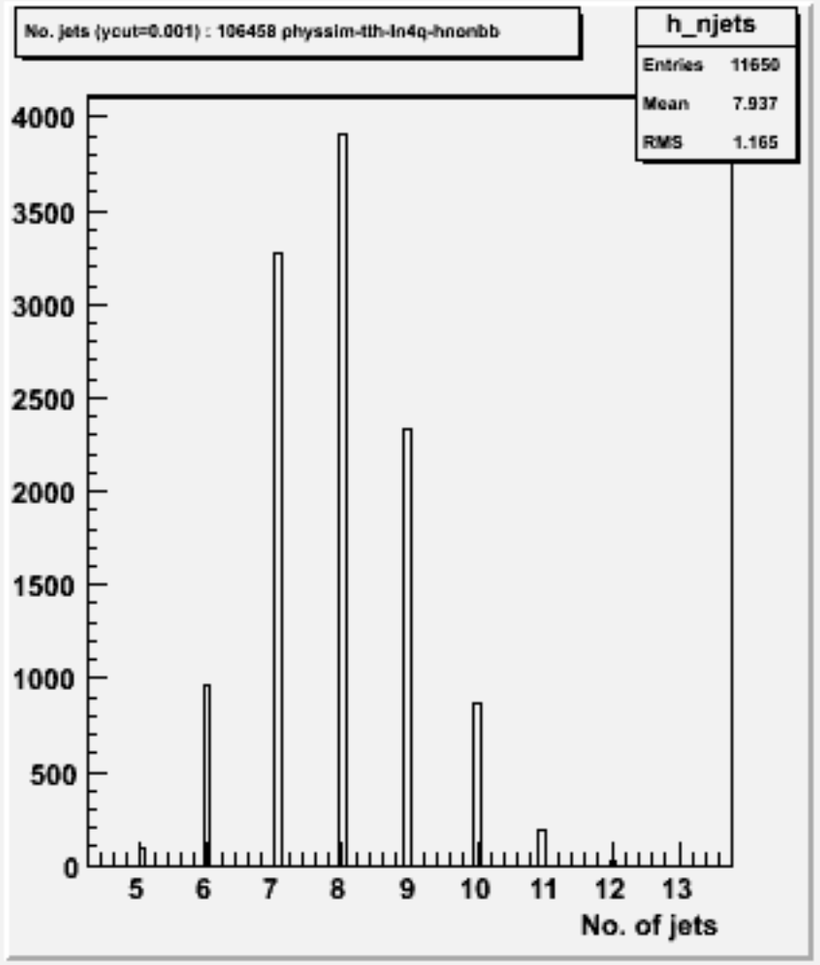

No. of Hadronic particles : 106458 physsim-tth-ln4q-hnonbb
h_nhad
Entries 11650
Mean 6.255
RMS 3.014
No. of hadronic particles

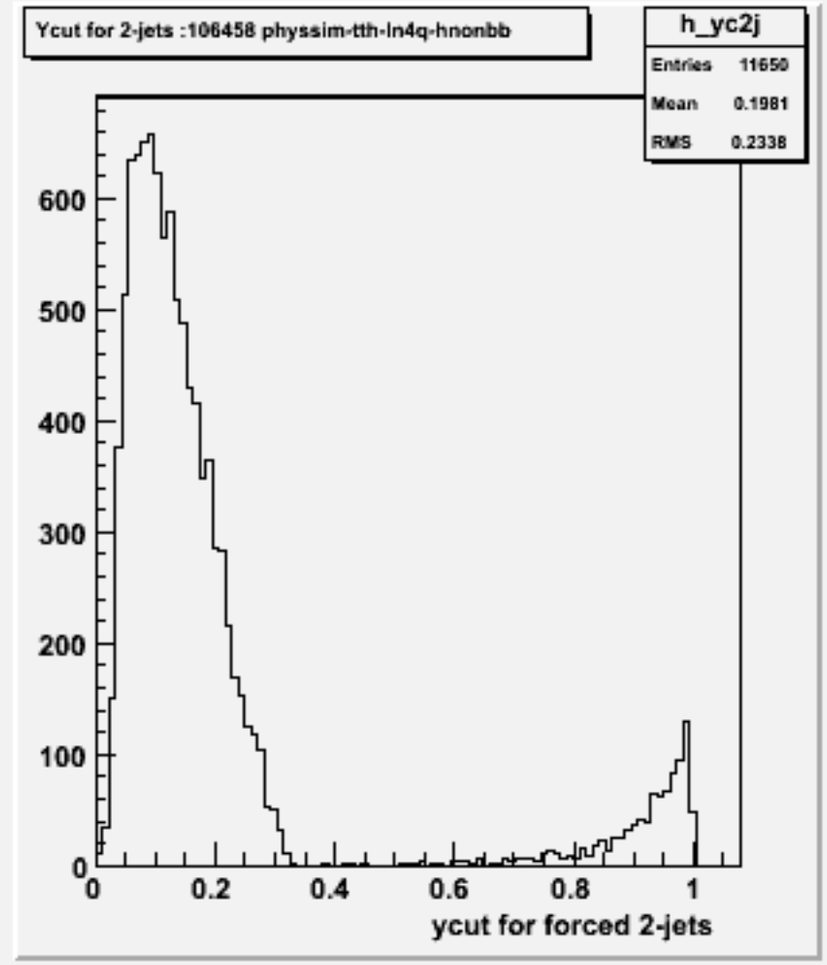

Total charged energy : 106458 physsim-tth-ln4q-hnonbb
h_echg
Entries 11650
Mean 503
RMS 103.5
Total charged energy (GeV)

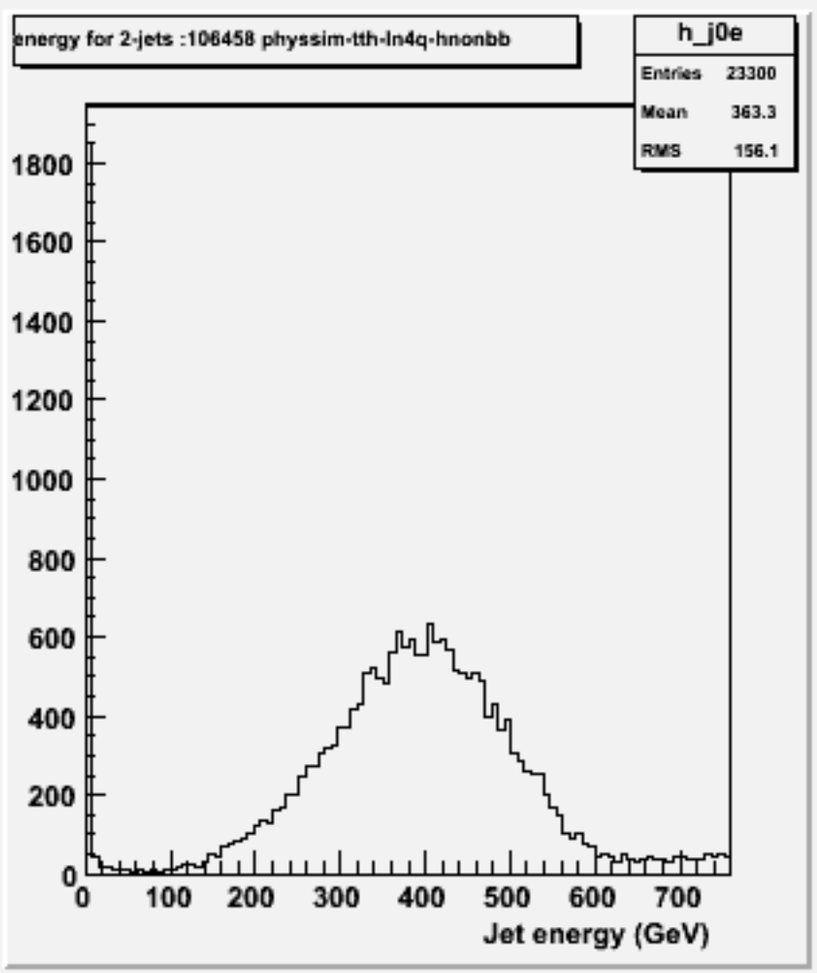

Total gamma energy : 106458 physsim-tth-ln4q-hnonbb
h_egam
Entries 11650
Mean 209.2
RMS 81.97
Total gamma energy (GeV)

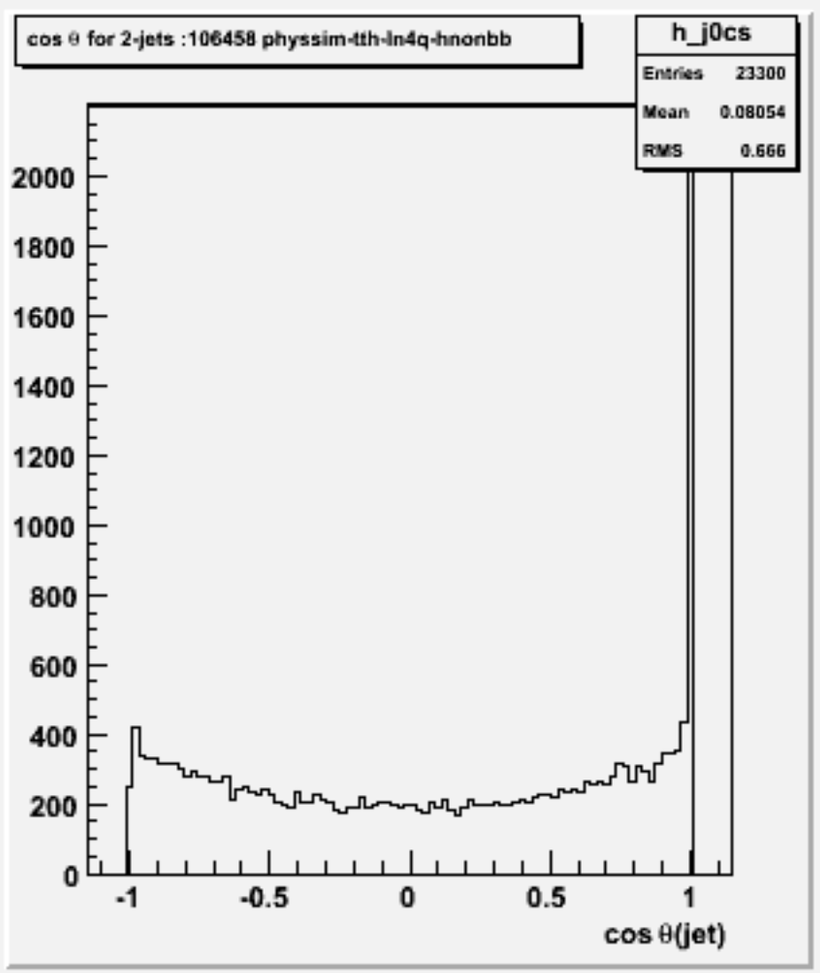

Total hadronic energy : 106458 physsim-tth-ln4q-hnonbb
h_ehad
Entries 11650
Mean 58.15
RMS 40.87
Total gamma energy (GeV)

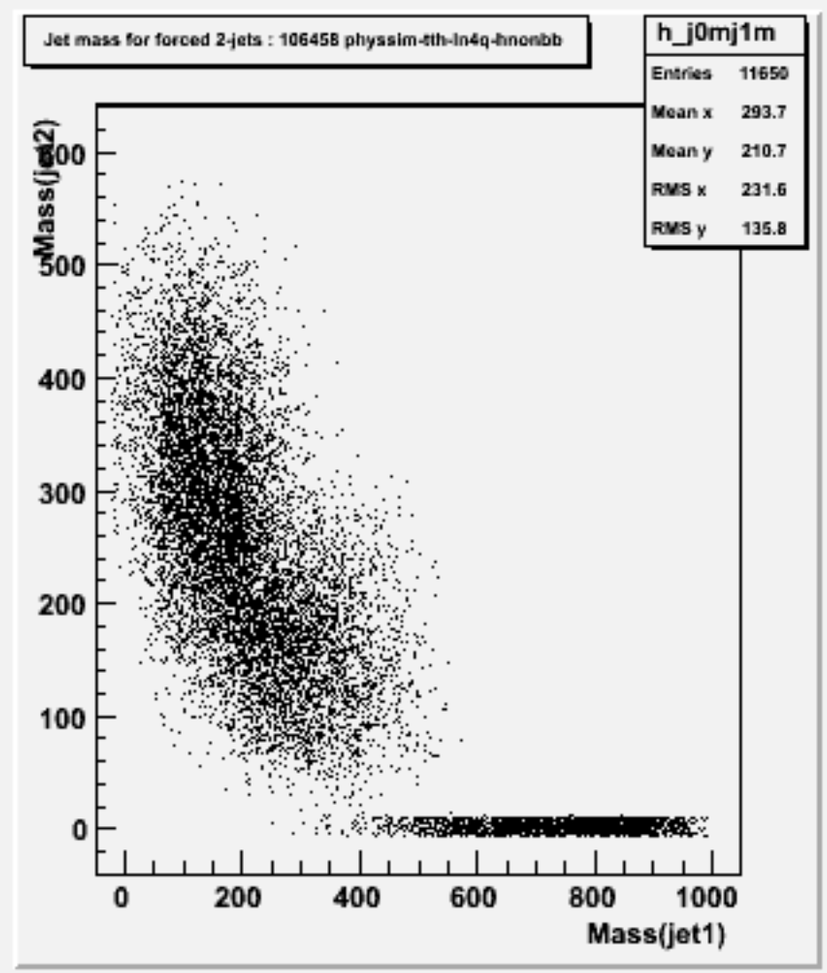

cosΘ(thrust) 106458 physsim-tth-ln4q-hnonbb
h_csth
Entries 11650
Mean 0.004091
RMS 0.6346
Thrust

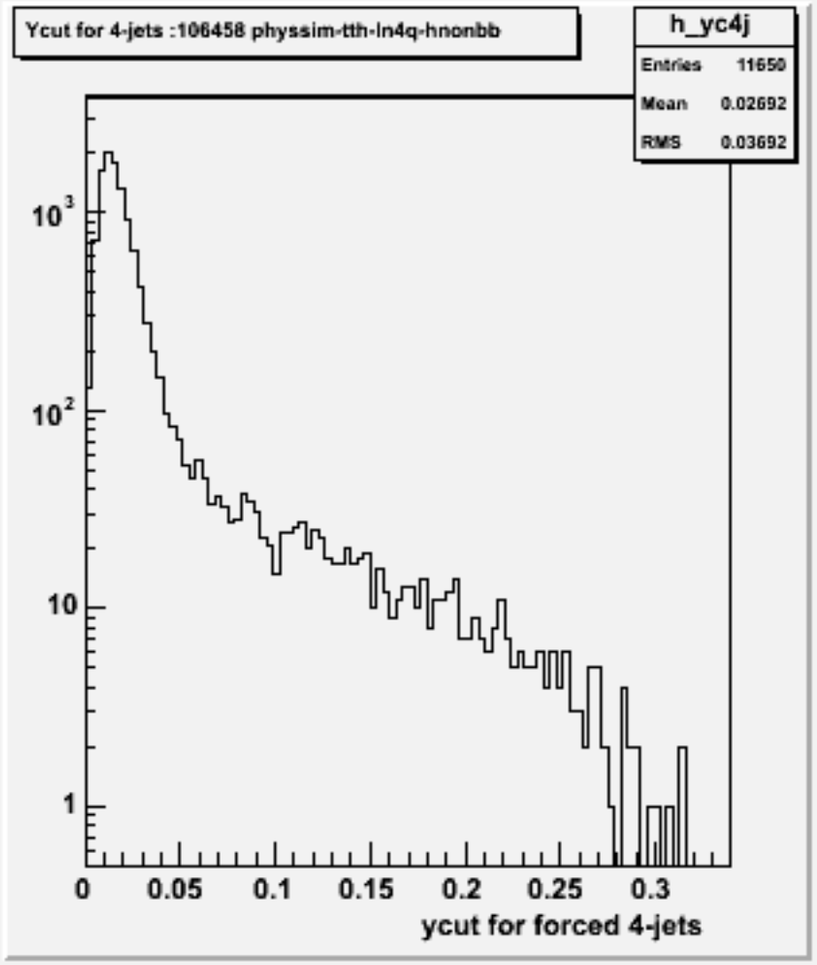

No. jets (ycut=0.001) : 106458 physsim-tth-ln4q-hnonbb
h_njets
Entries 11650
Mean 7.937
RMS 1.165
No. of jets

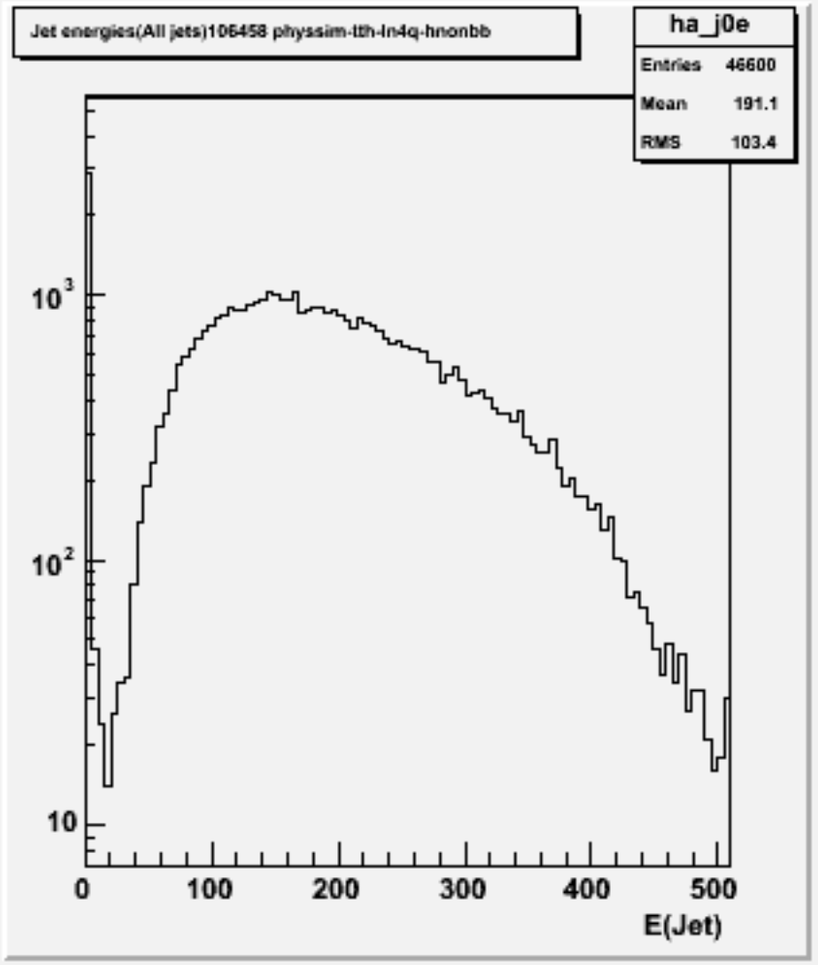

Ycut for 2-jets :106458 physsim-tth-ln4q-hnonbb
h_yc2j
Entries 11650
Mean 0.1981
RMS 0.2338
ycut for forced 2-jets

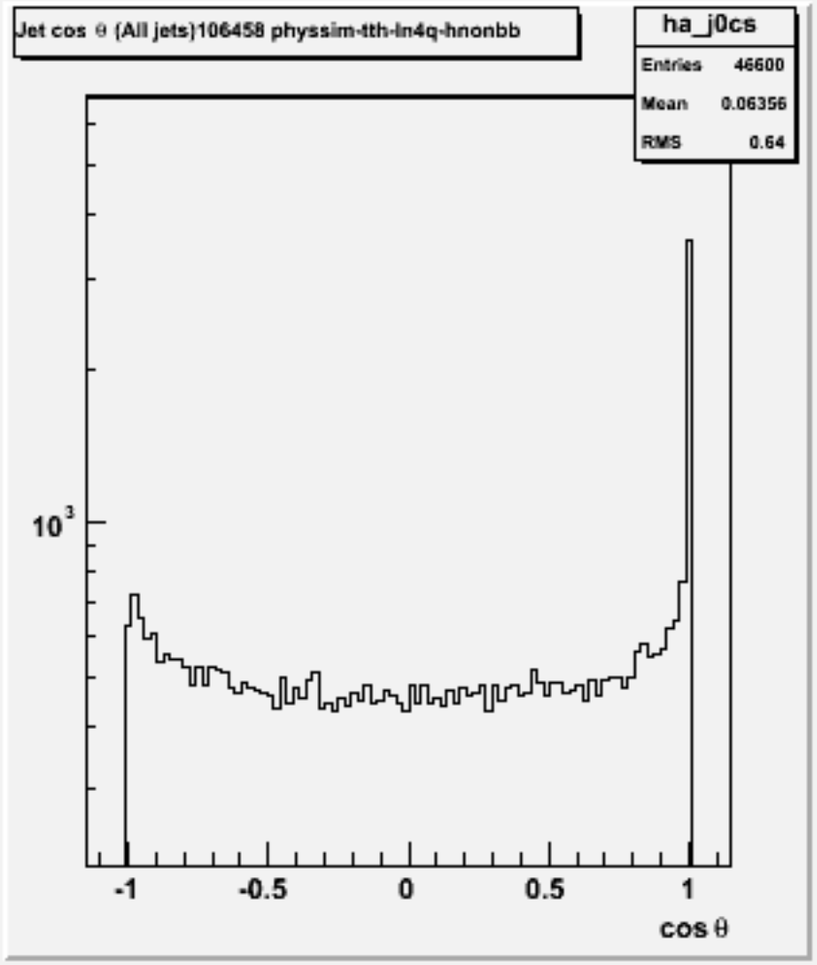

energy for 2-jets :106458 physsim-tth-ln4q-hnonbb
h_j0e
Entries 23300
Mean 363.3
RMS 156.1
Jet energy (GeV)

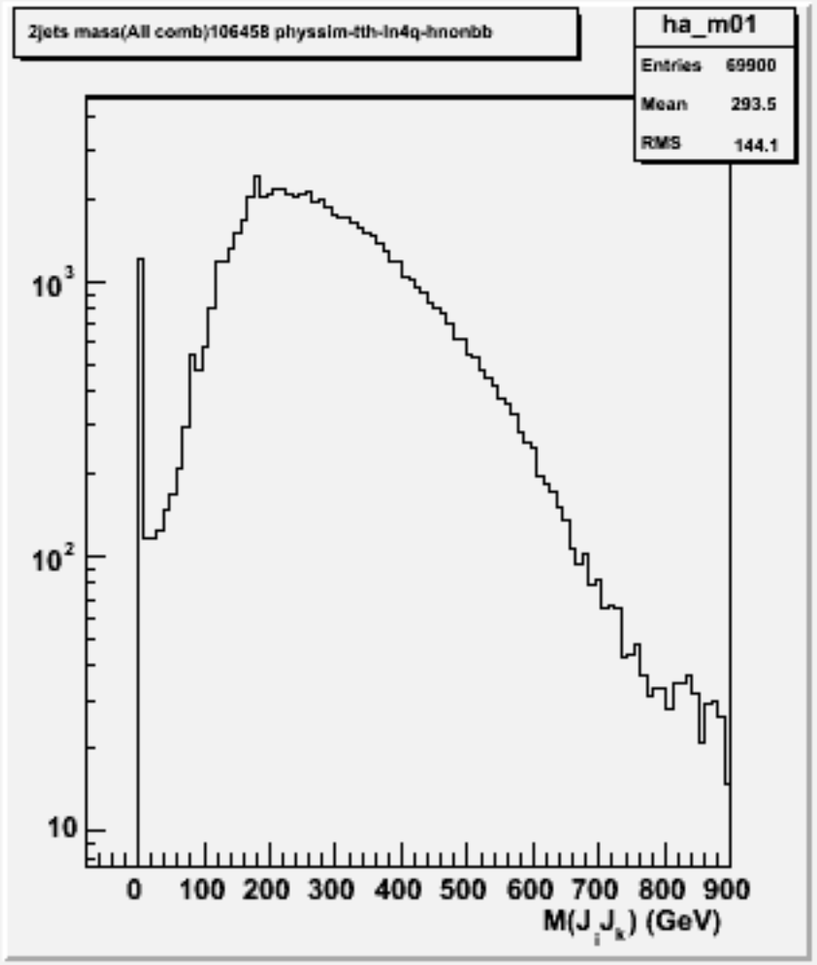

cos θ for 2-jets :106458 physsim-tth-ln4q-hnonbb
h_j0cs
Entries 23300
Mean 0.08054
RMS 0.666
cos θ(jet)


Jet mass for forced 2-jets : 106458 physsim-tth-ln4q-hnonbb
h_j0mj1m
Entries 11650
Mean x 293.7
Mean y 210.7
RMS x 231.6
RMS y 135.8
Mass(jet2)
Mass(jet1)


Ycut for 4-jets :106458 physsim-tth-ln4q-hnonbb
h_yc4j
Entries 11650
Mean 0.02692
RMS 0.03692
ycut for forced 4-jets


Jet energies(All jets)106458 physsim-tth-ln4q-hnonbb
ha_j0e
Entries 46600
Mean 191.1
RMS 103.4
E(Jet)


Jet cos θ (All jets)106458 physsim-tth-ln4q-hnonbb
ha_j0cs
Entries 46600
Mean 0.06356
RMS 0.64
cos θ


2jets mass(All comb)106458 physsim-tth-ln4q-hnonbb
ha_m01
Entries 69900
Mean 293.5
RMS 144.1
M(J_iJ_k) (GeV)