

# Generator file information: 106455 physsim-tth-ln4q-hbb

process\_id=106455

job\_date\_time=120730-135017-GMT+0900

process\_name=physsim-tth-ln4q-hbb

process\_type=physsim-tth-ln4q-hbb

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=L

polarization2=R

luminosity=34093.5052544478

cross\_section\_in\_fb=1.49556344

cross\_section\_error\_in\_fb=0.000389315946

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-hbb.eL.pR.Gphyssim\_dbd-01-01.l106455.001.stdhep;E1000-B1b\_ws.Ptth-ln4q-hbb.eL.pR.Gphyssim\_dbd-01-01.l106455.002.stdhep;E1000-B1b\_ws.Ptth-ln4q-hbb.eL.pR.Gphyssim\_dbd-01-01.l106455.003.stdhep;E1000-B1b\_ws.Ptth-ln4q-hbb.eL.pR.Gphyssim\_dbd-01-01.l106455.004.stdhep;E1000-B1b\_ws.Ptth-ln4q-hbb.eL.pR.Gphyssim\_dbd-01-01.l106455.005.stdhep

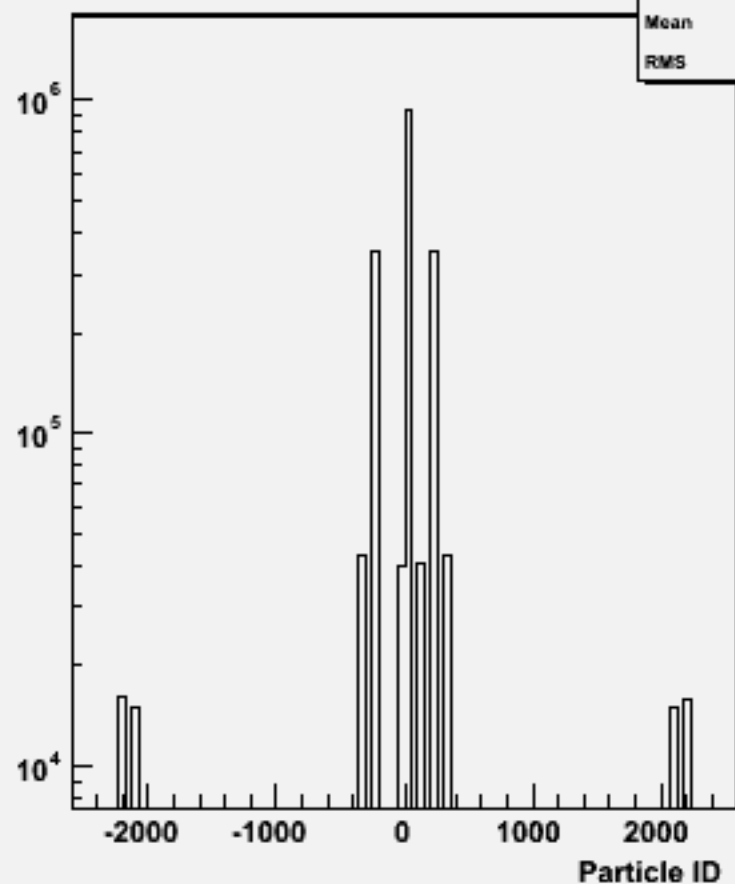
number\_of\_events\_in\_files=11025;11024;10986;11026;6939

fileurl=lfh:/grid/ilc/prod/ilc/mc-dbd/generated/1000-B1b\_ws/tth

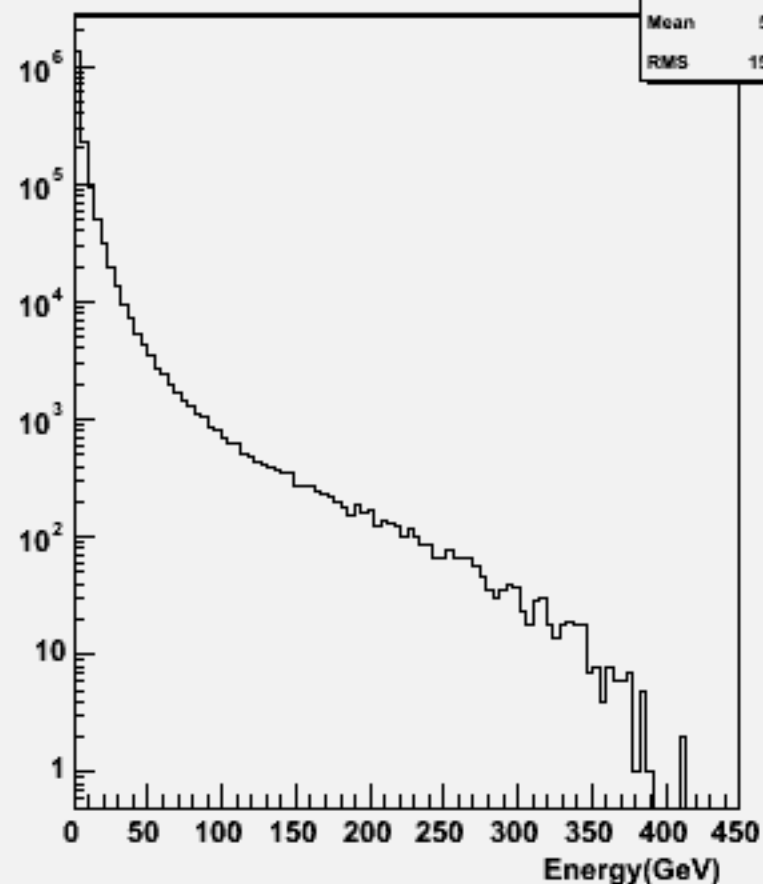
logurl=http://www-jlc.kek.jp/~miyamoto/CDS/1000-B1b\_ws/run\_output/E1000-B1b\_ws.Ptth-ln4q-hbb.eL.pR.Gphyssim\_dbd-01-01.l106455

higgs\_mass=125.0

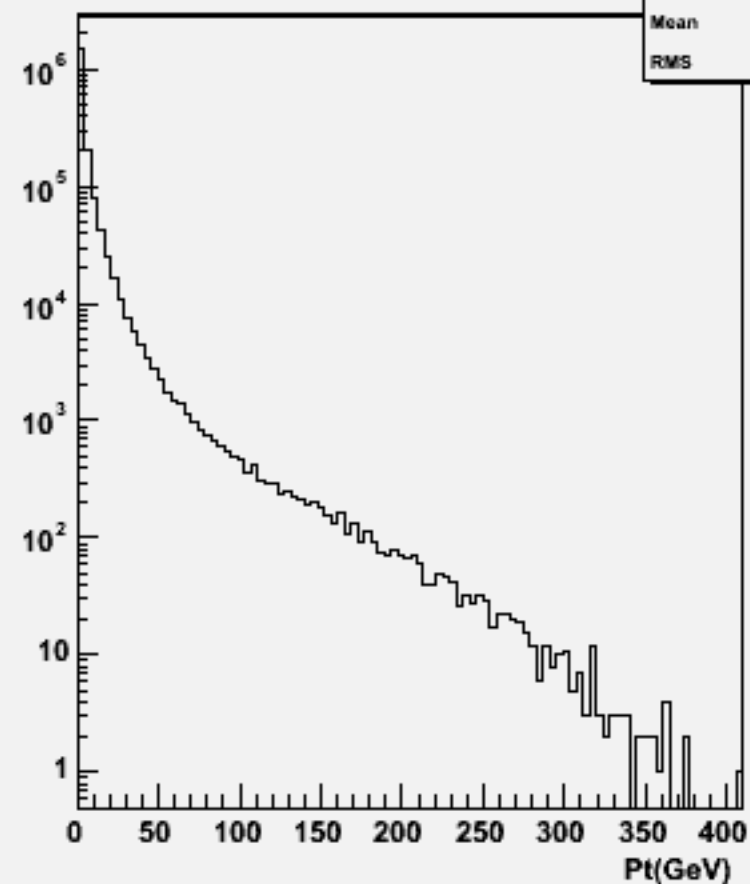
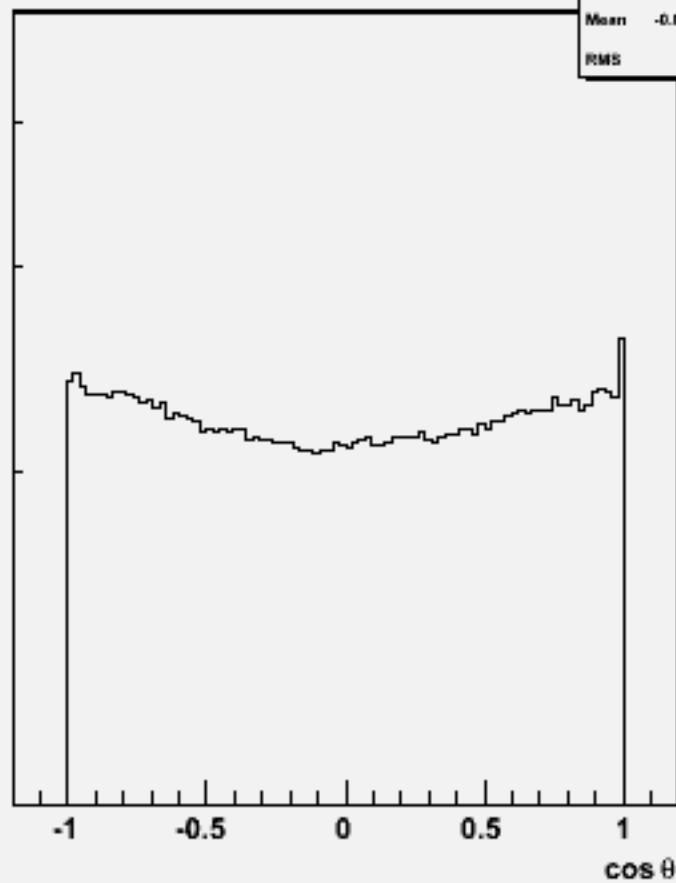
Particle ID : 106455 pyssim-tth-ln4q-hbb



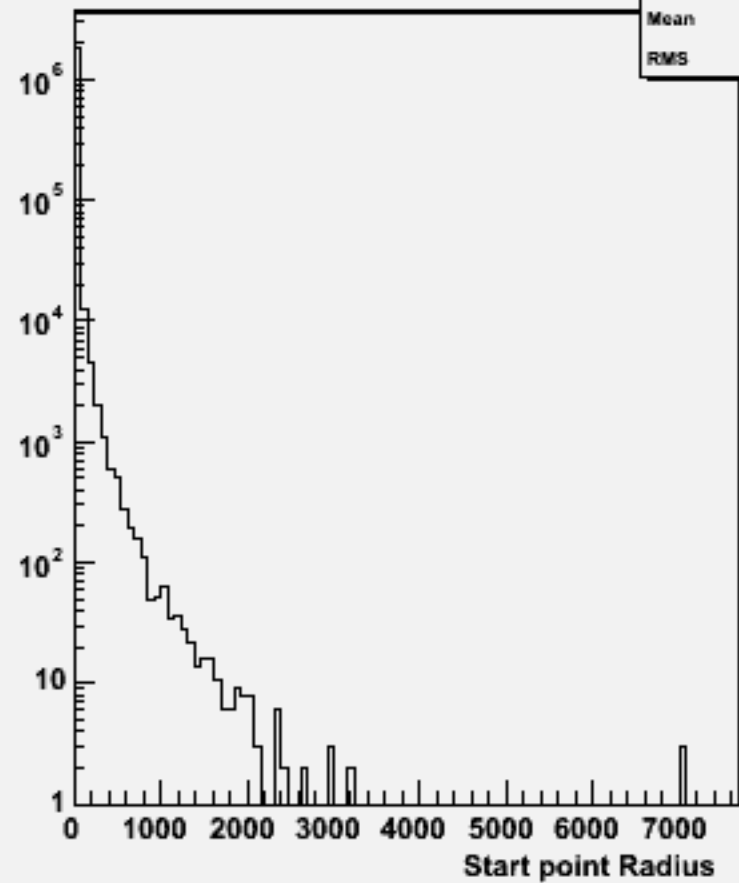
Particle Energy : 106455 pyssim-tth-ln4q-hbb



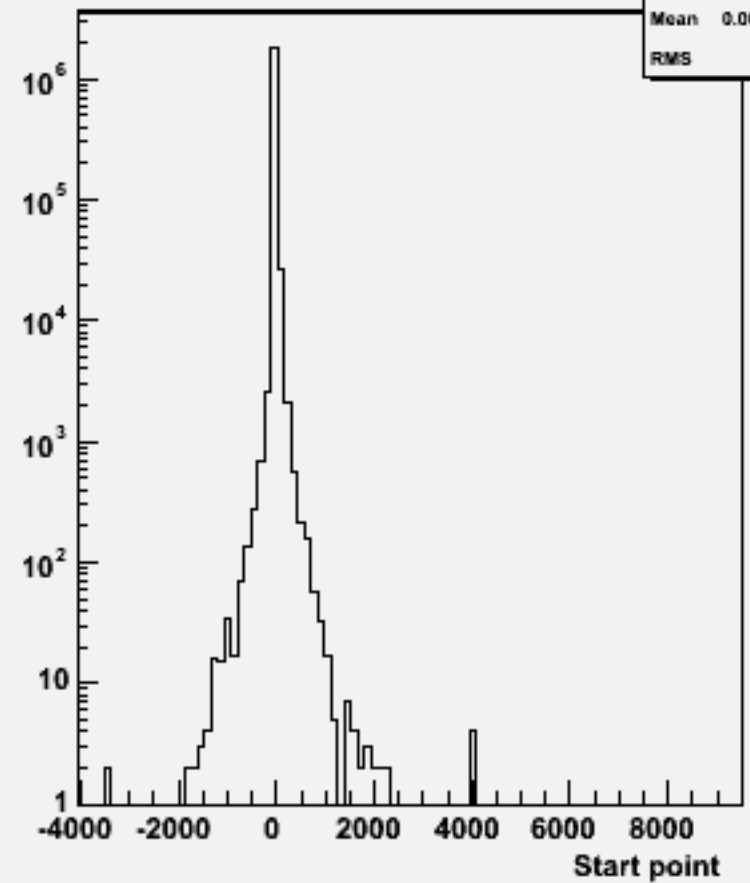
Particle Pt : 106455 pyssim-tth-ln4q-hbb

Particle cos  $\theta$  : 106455 pyssim-tth-ln4q-hbb

Start point R : 106455 pyssim-tth-ln4q-hbb

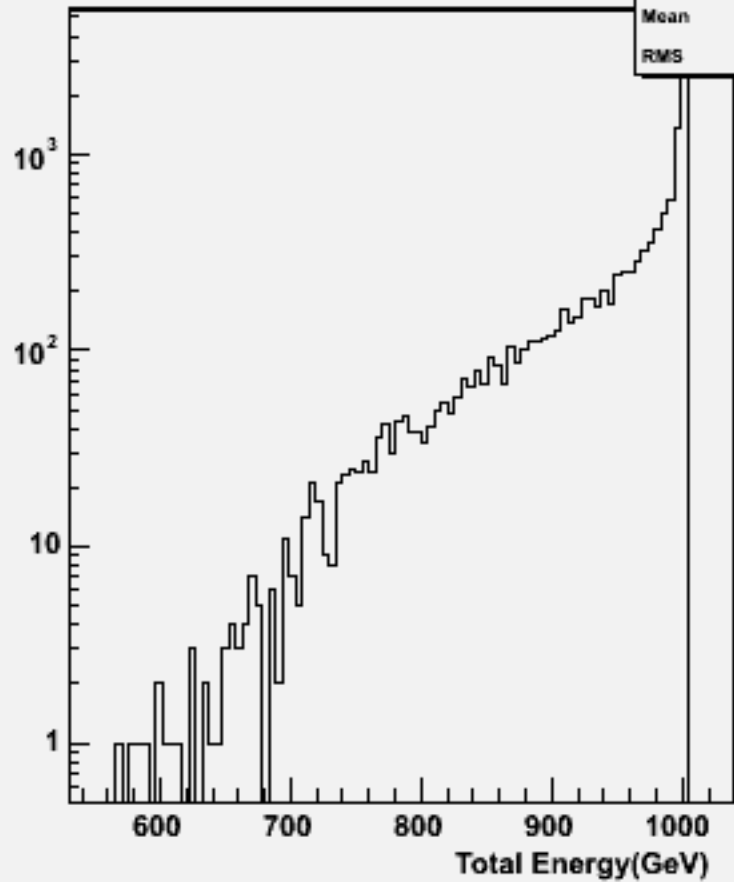


Start point Z : 106455 pyssim-tth-ln4q-hbb



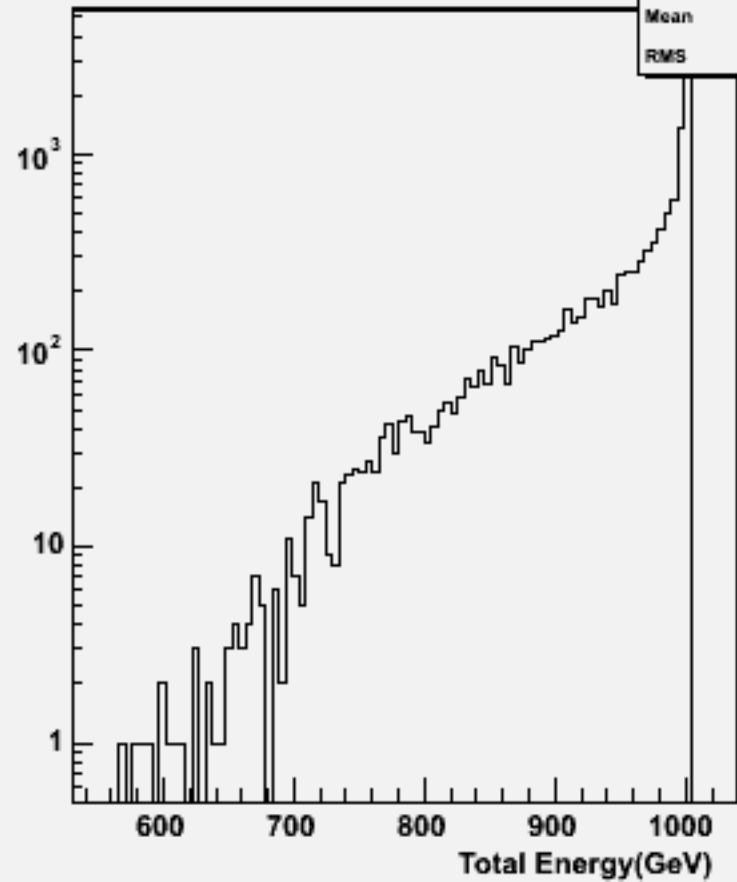
Total Energy (inc.  $\nu$ ): 106455 pyssim-tth-ln4q-hbb

h_etot	
Entries	11023
Mean	950.1
RMS	67.75



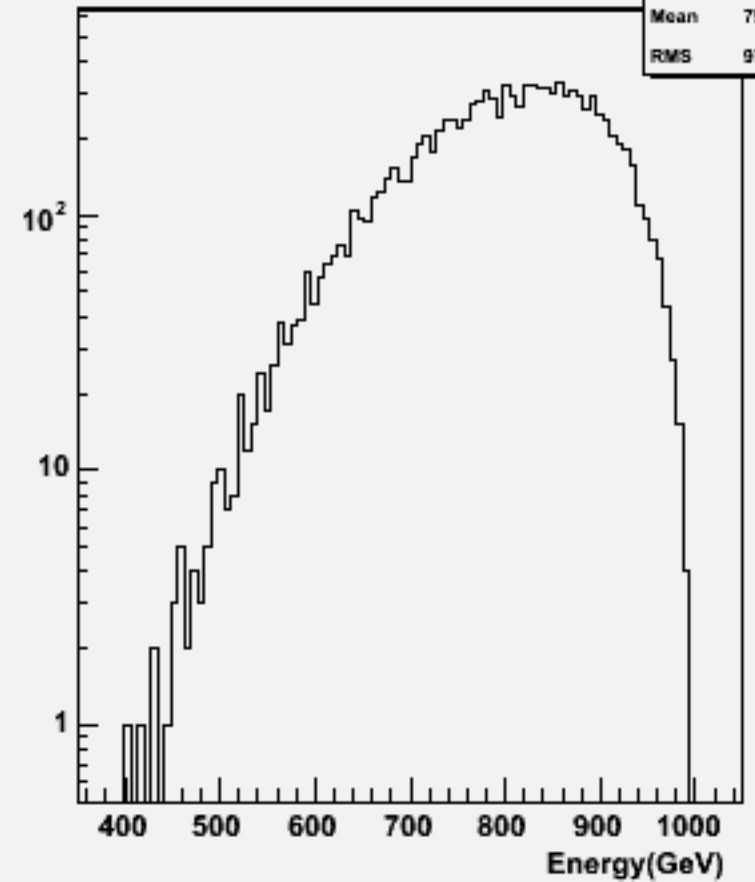
Total Energy (inc.  $\nu$ ): 106455 pyssim-tth-ln4q-hbb

h_etotc	
Entries	11023
Mean	950.1
RMS	67.75



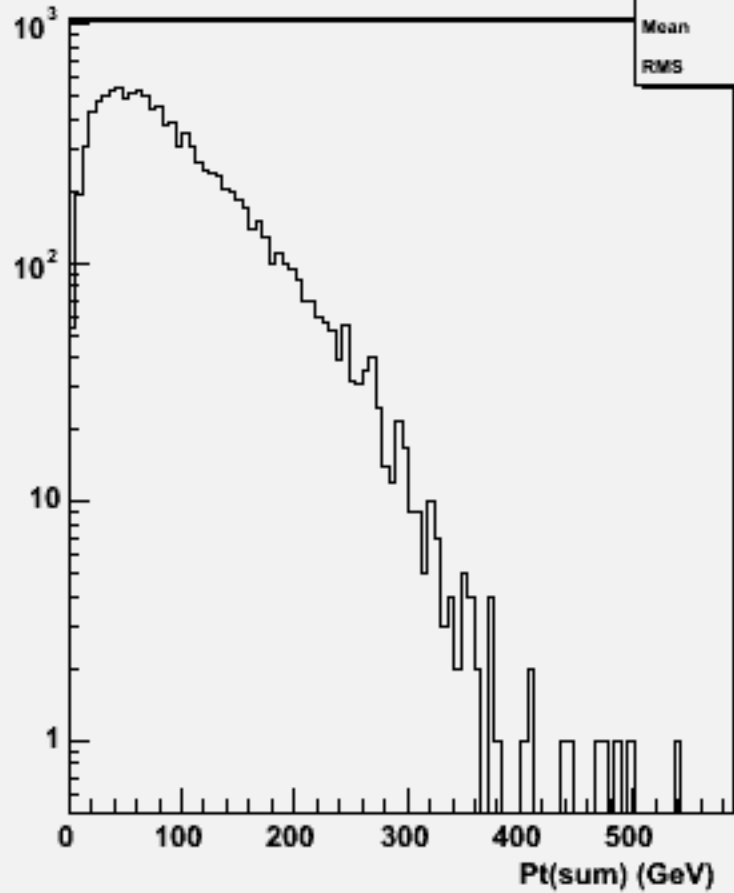
Total Energy (w/o  $\nu$ ): 106455 pyssim-tth-ln4q-hbb

h_evis	
Entries	11023
Mean	795.2
RMS	97.13



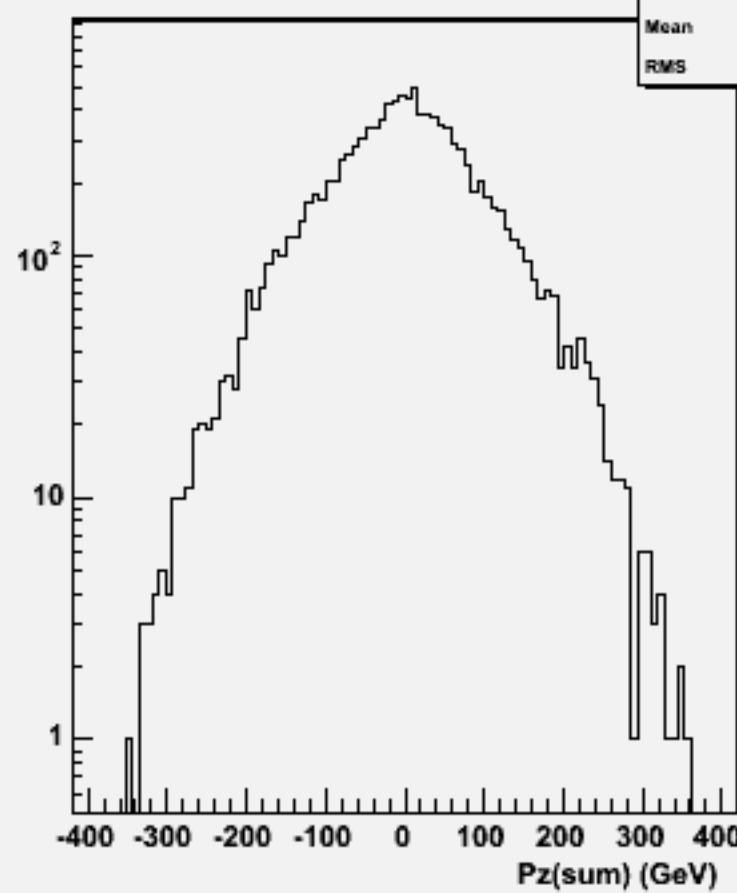
Pt Sum: 106455 pyssim-tth-ln4q-hbb

h_pt	
Entries	11023
Mean	92.24
RMS	63.98



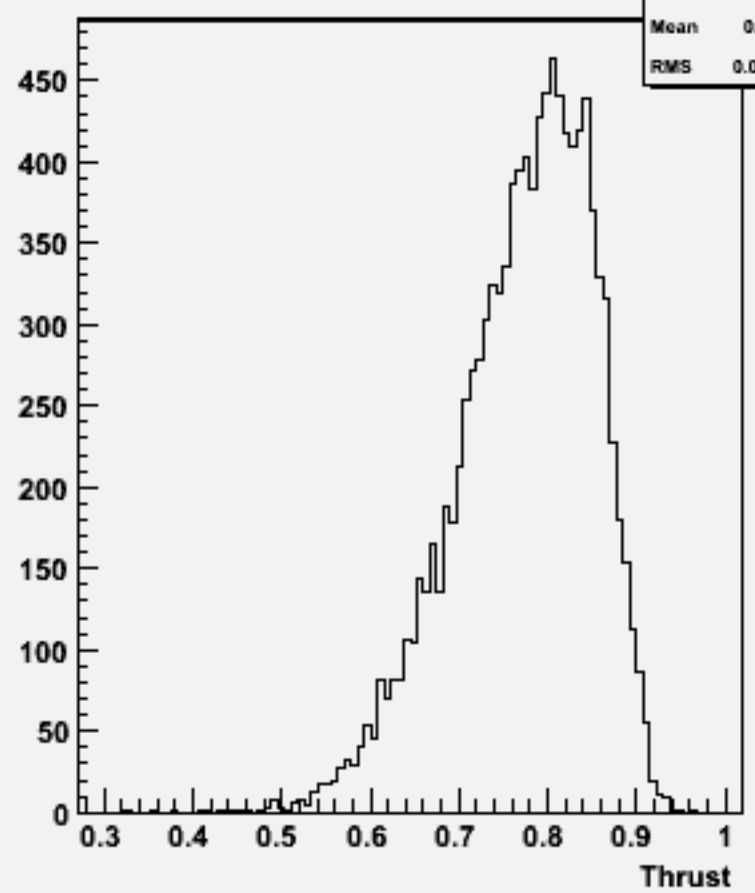
Pz Sum: 106455 pyssim-tth-ln4q-hbb

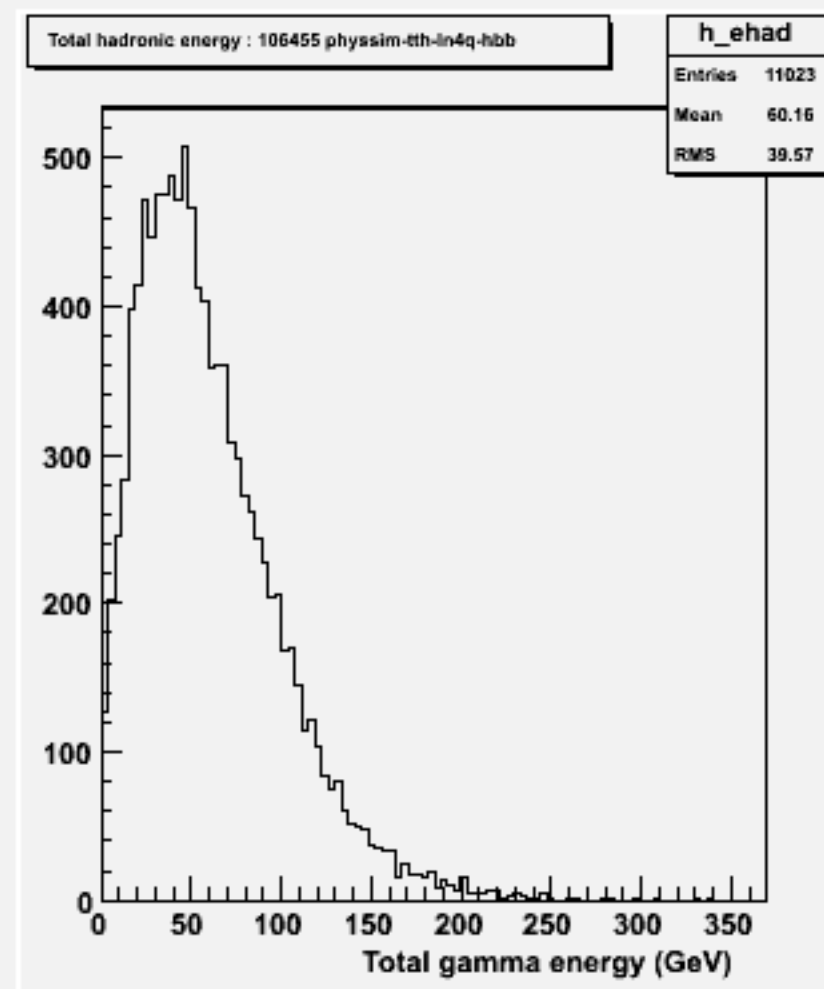
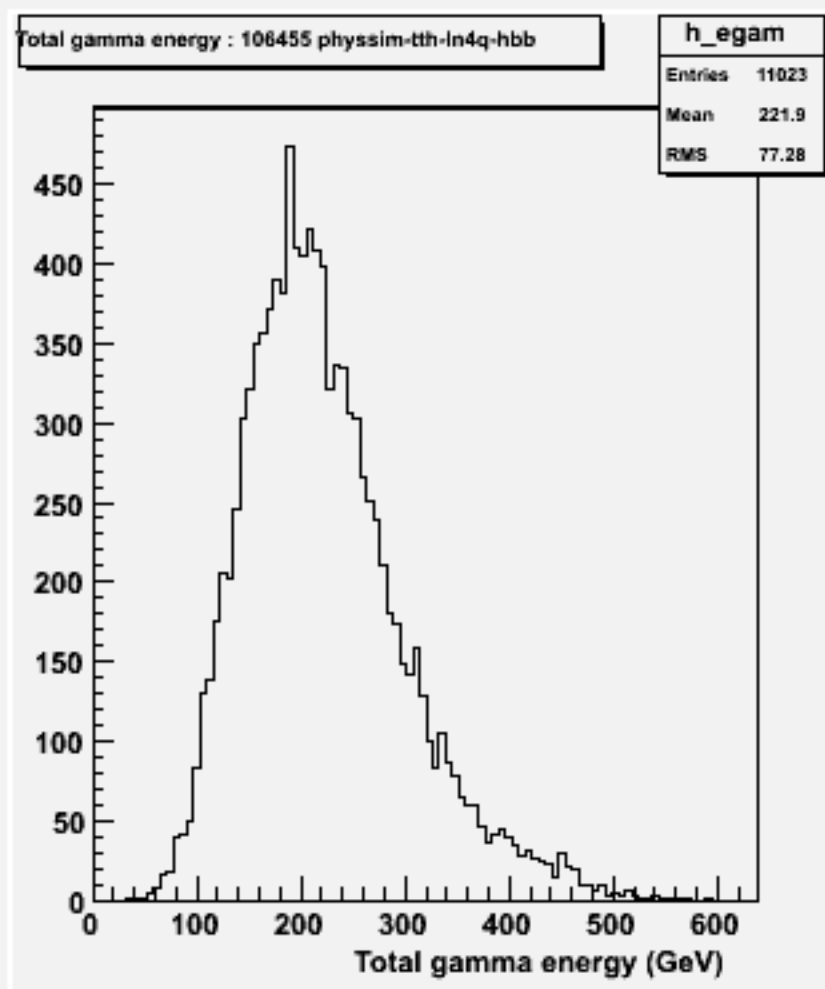
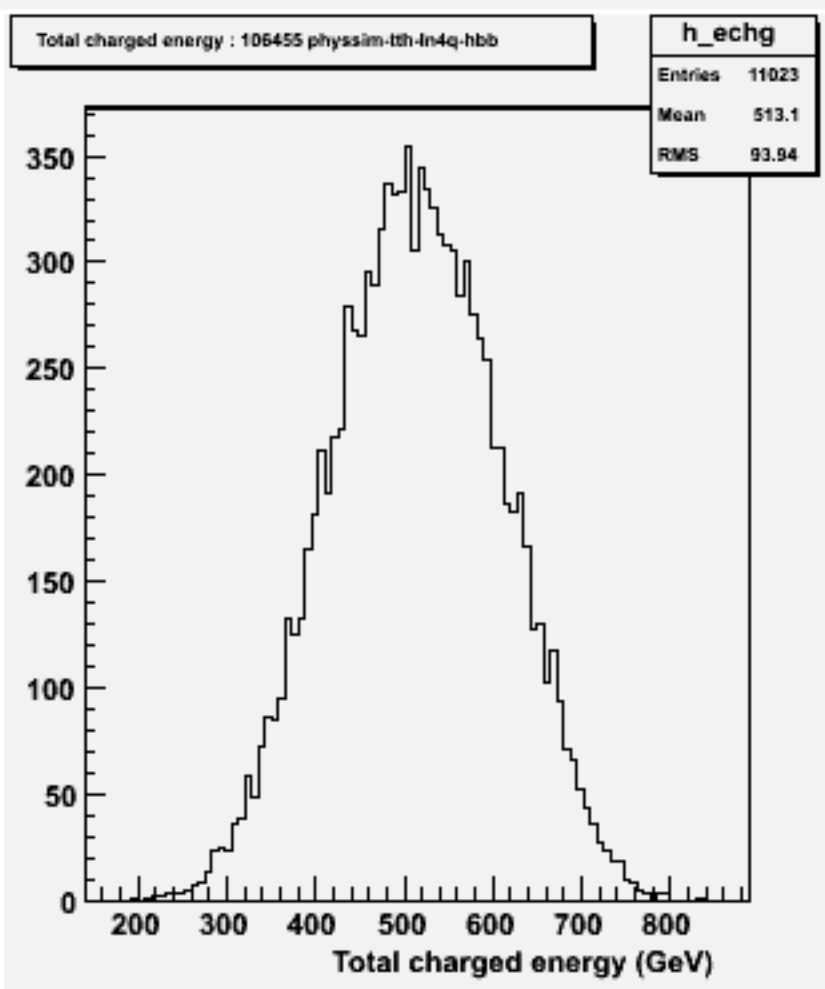
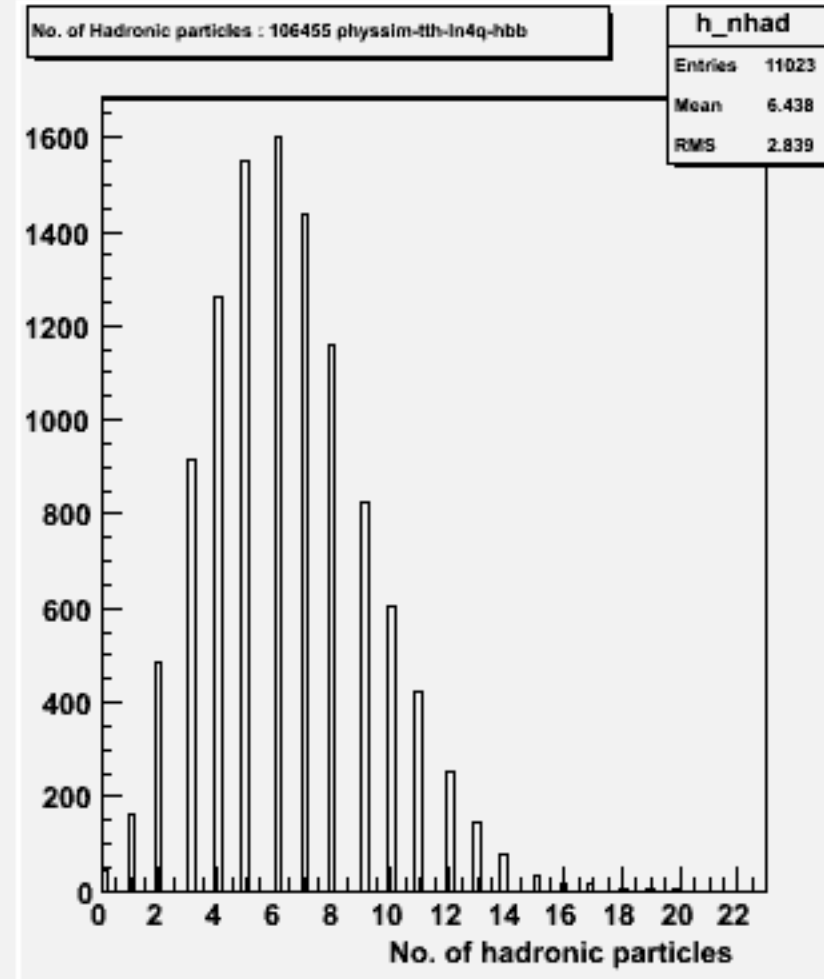
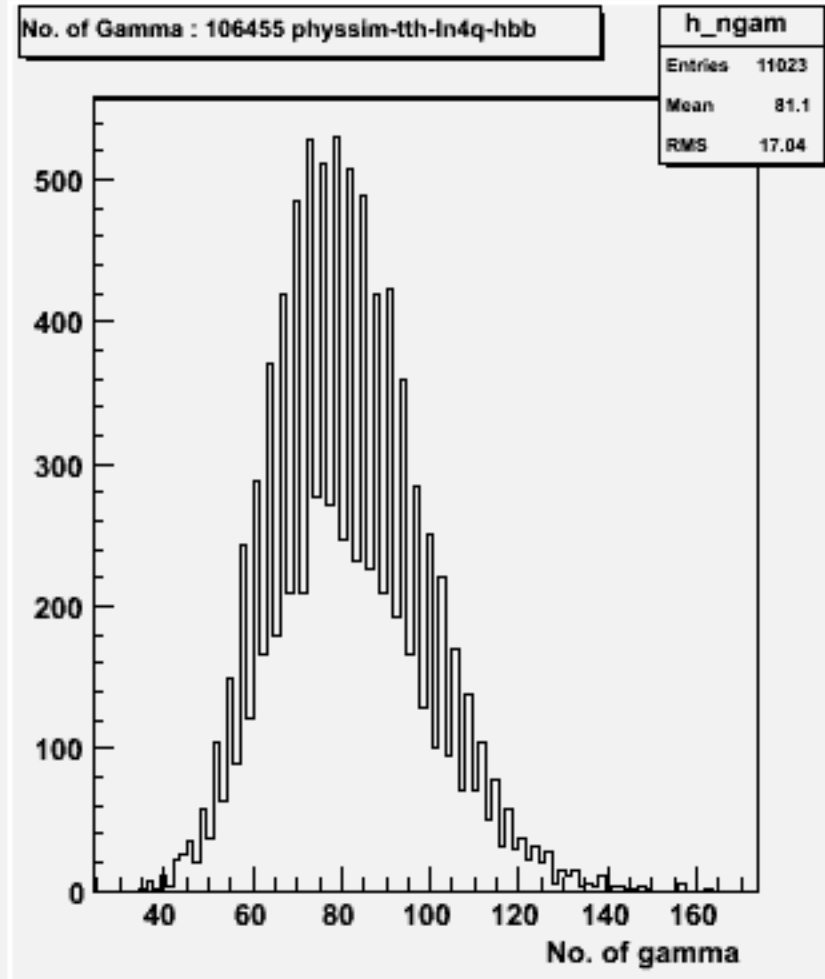
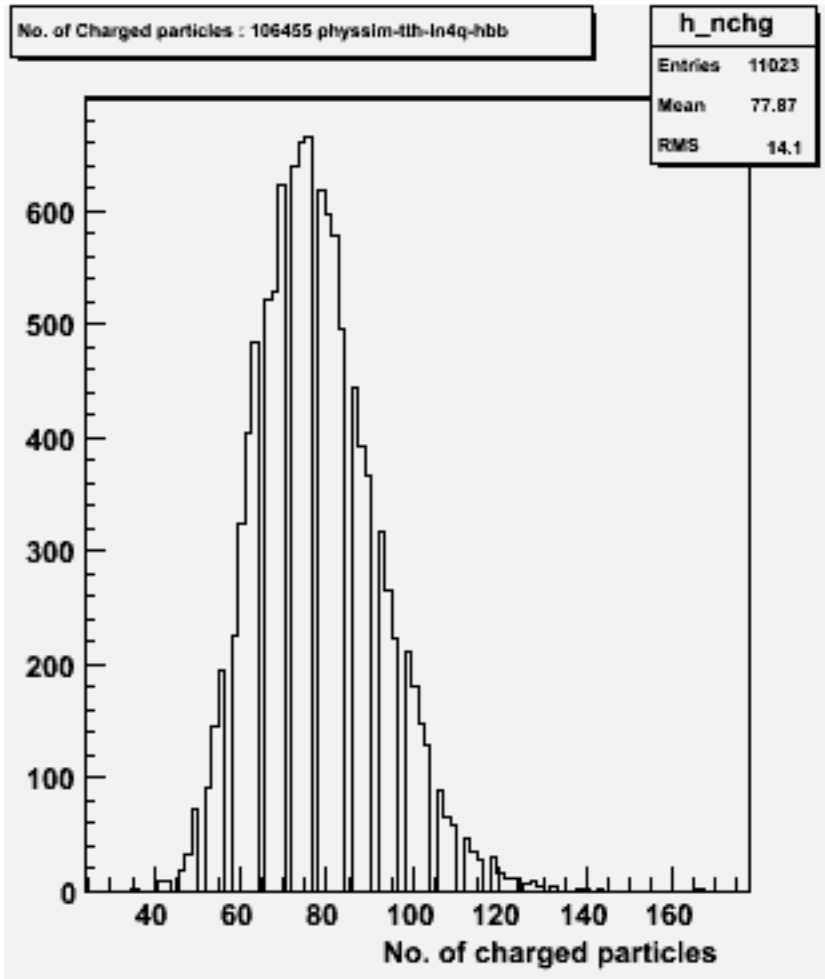
h_pz	
Entries	11023
Mean	-1.38
RMS	98.87

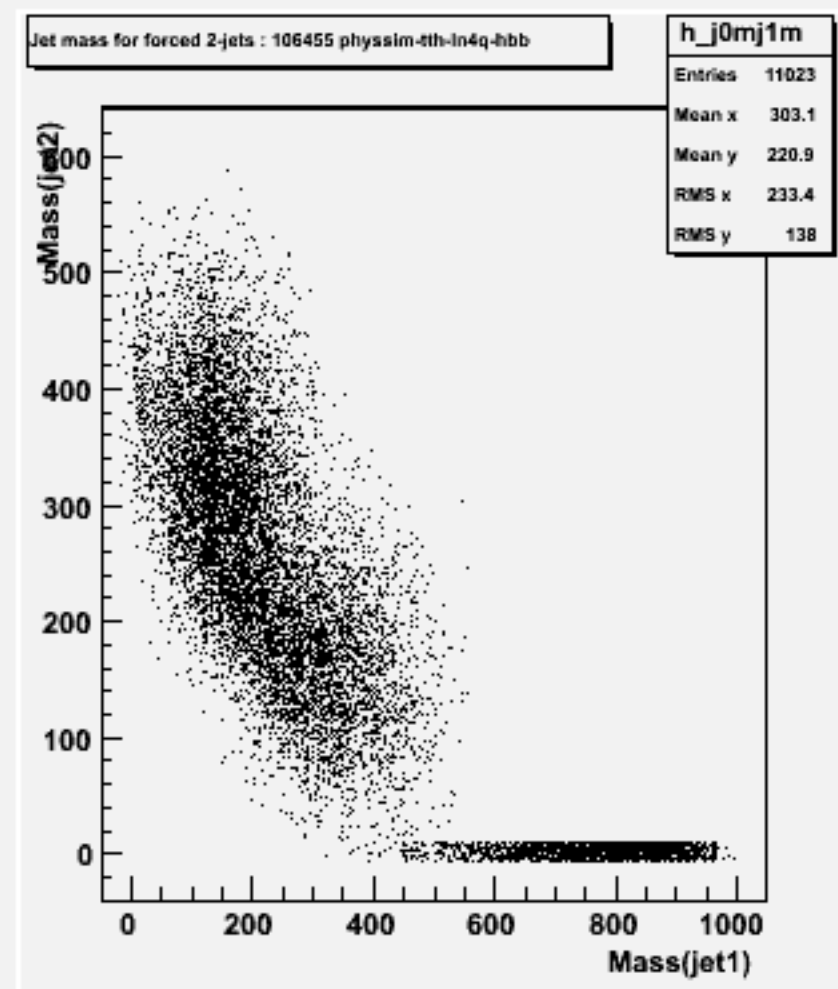
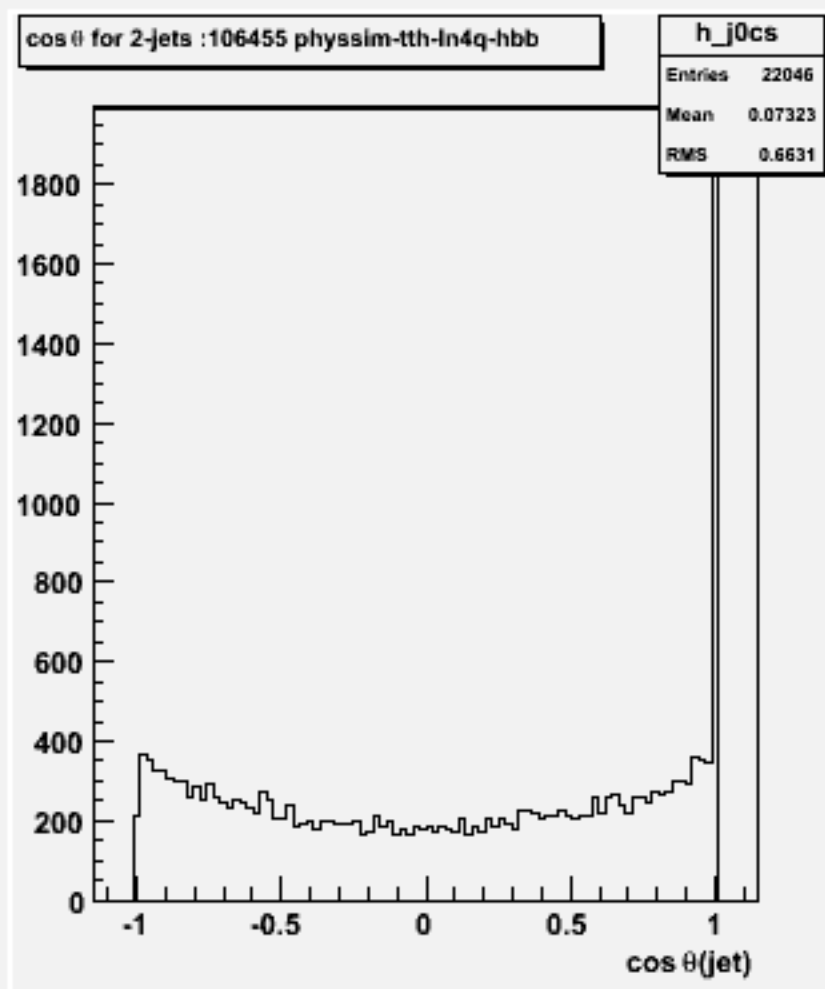
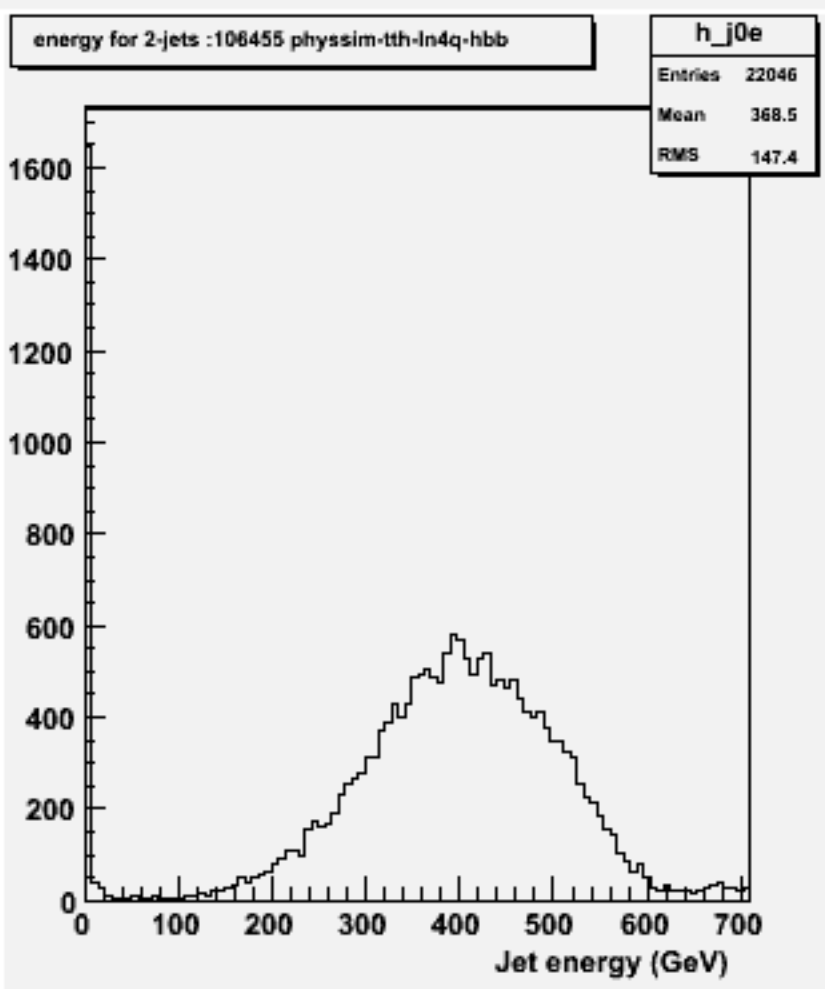
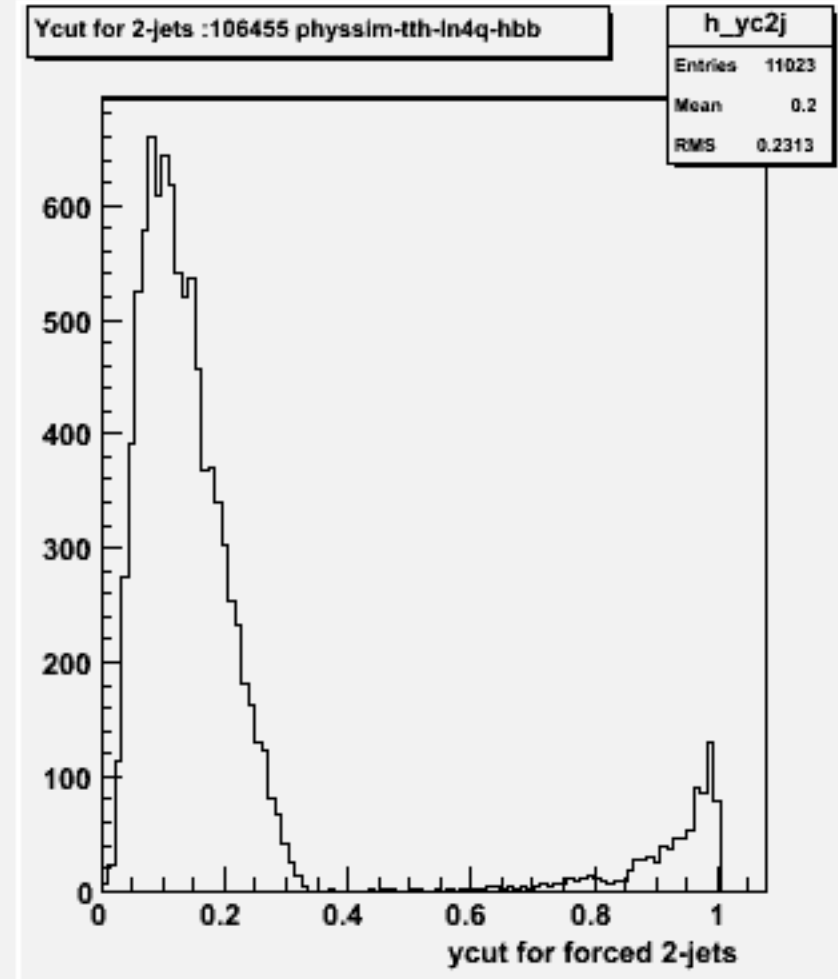
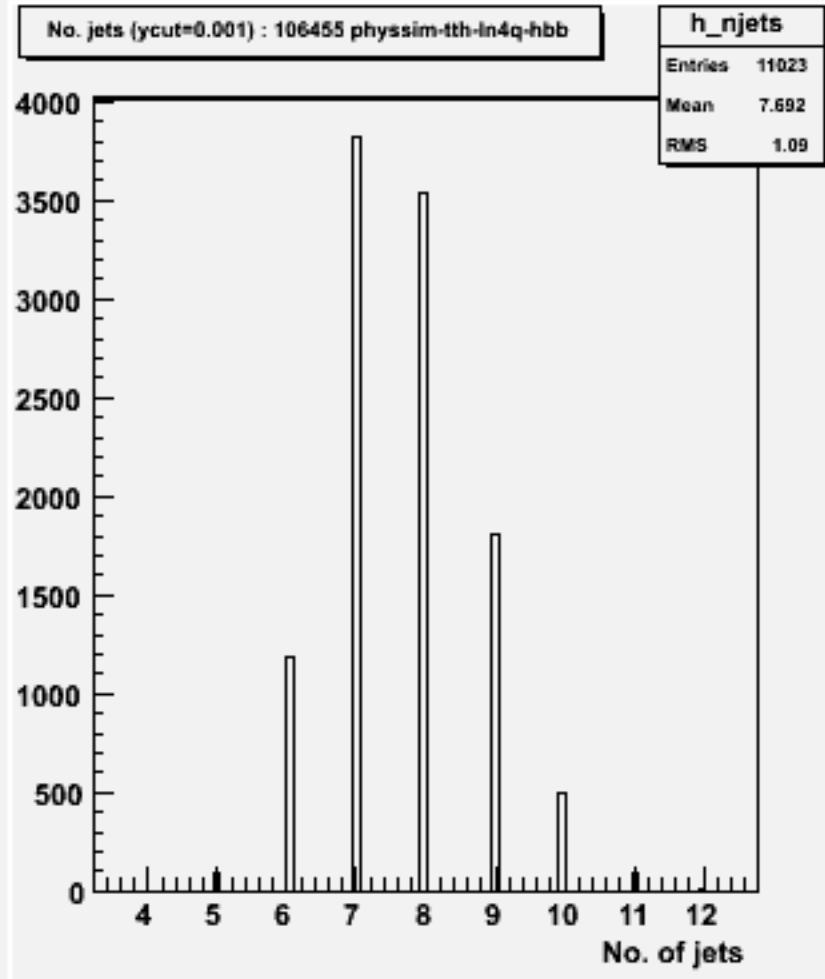
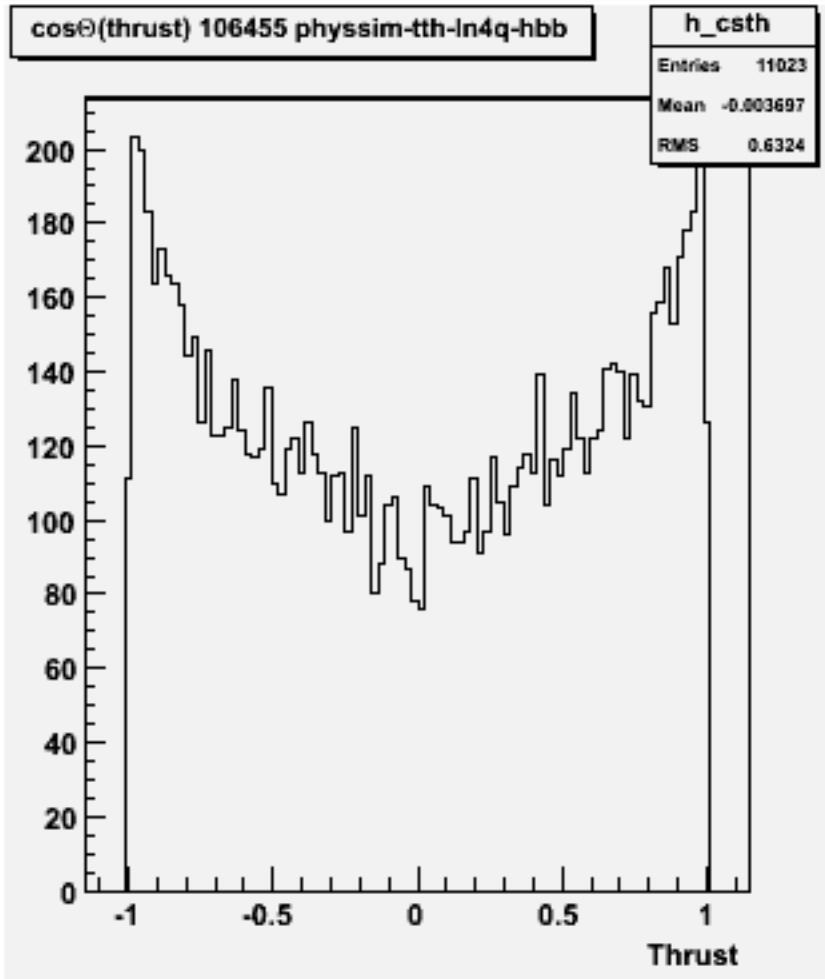


Thrust 106455 pyssim-tth-ln4q-hbb

h_thrust	
Entries	11023
Mean	0.7731
RMS	0.07801



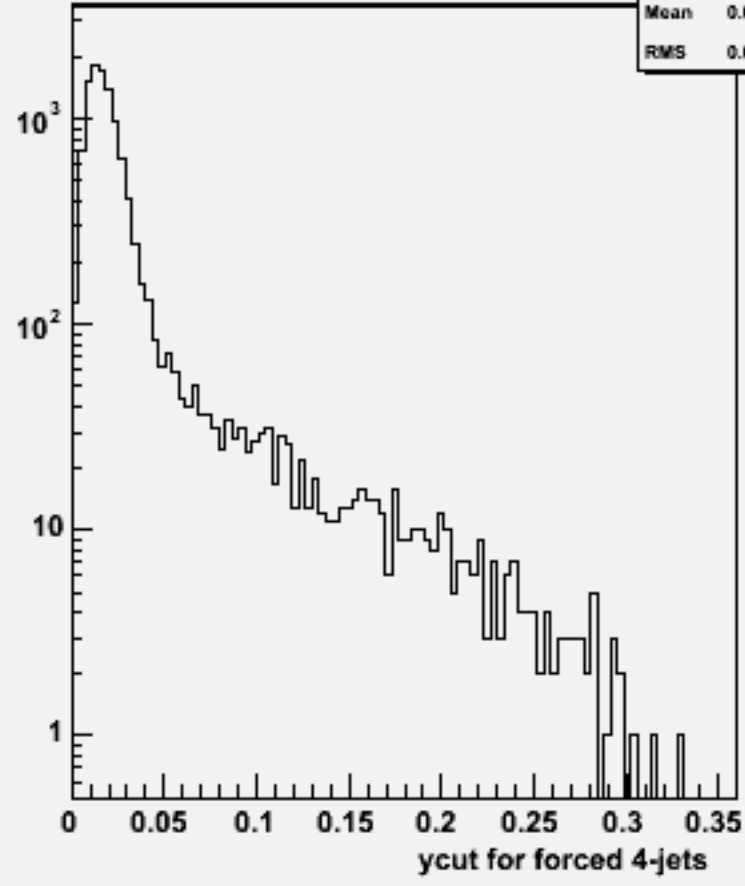




Ycut for 4-jets :106455 pyssim-tth-ln4q-hbb

h\_yc4j

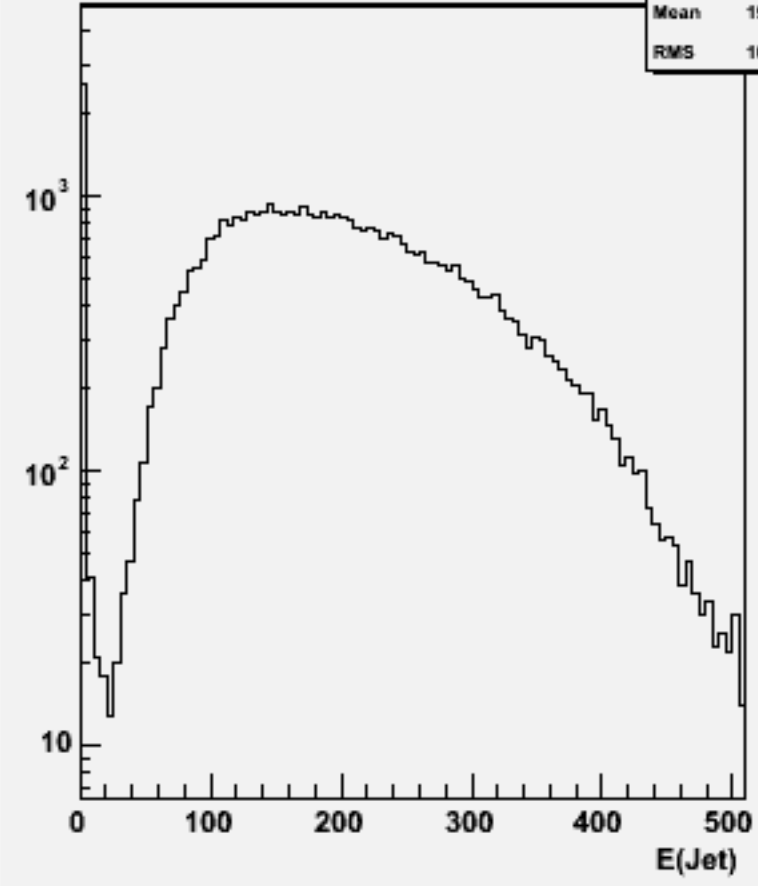
Entries	11023
Mean	0.02726
RMS	0.03579



Jet energies(All jets)106455 pyssim-tth-ln4q-hbb

ha\_j0e

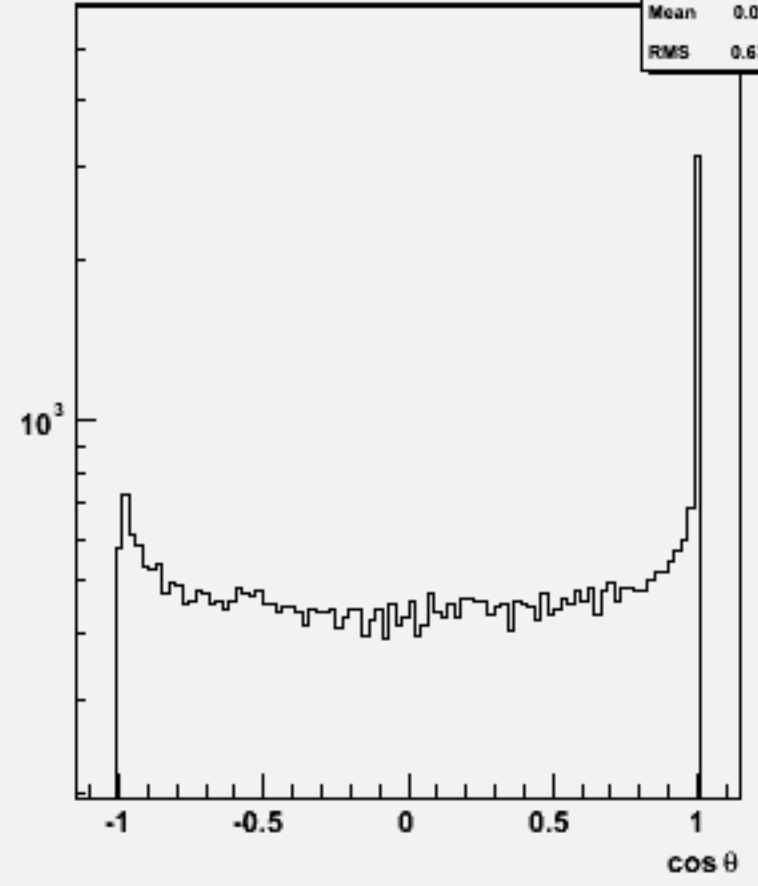
Entries	44092
Mean	197.4
RMS	102.7



Jet cosθ (All jets)106455 pyssim-tth-ln4q-hbb

ha\_j0cs

Entries	44092
Mean	0.0591
RMS	0.6366



2jets mass(All comb)106455 pyssim-tth-ln4q-hbb

ha\_m01

Entries	66138
Mean	304
RMS	142.6

