

# Generator file information: 106417 physsim-tth-2l2nbb-hbb

process\_id=106417

job\_date\_time=120215-170031-GMT+0900

process\_name=physsim-tth-2l2nbb-hbb

process\_type=physsim-tth-2l2nbb-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=122119.975631601

cross\_section\_in\_fb=0.417466509769

cross\_section\_error\_in\_fb=0.000106784251958

lumi\_linker\_number=18

file\_type=stdhep24

total\_number\_of\_events=50981

number\_of\_files=4

file\_names=E1000-B1b\_ws.Ptth-2l2nbb-hbb.eL.pR.Gphyssim\_dbd-01-01.l106417.001.stdhep;E1000-B1b\_ws.Ptth-2l2nbb-hbb.eL.pR.Gphyssim\_dbd-01-01.l106417.002.stdhep;E1000-B1b\_ws.Ptth-2l2nbb-hbb.eL.pR.Gphyssim\_dbd-01-01.l106417.003.stdhep;E1000-B1b\_ws.Ptth-2l2nbb-hbb.eL.pR.Gphyssim\_dbd-01-01.l106417.004.stdhep

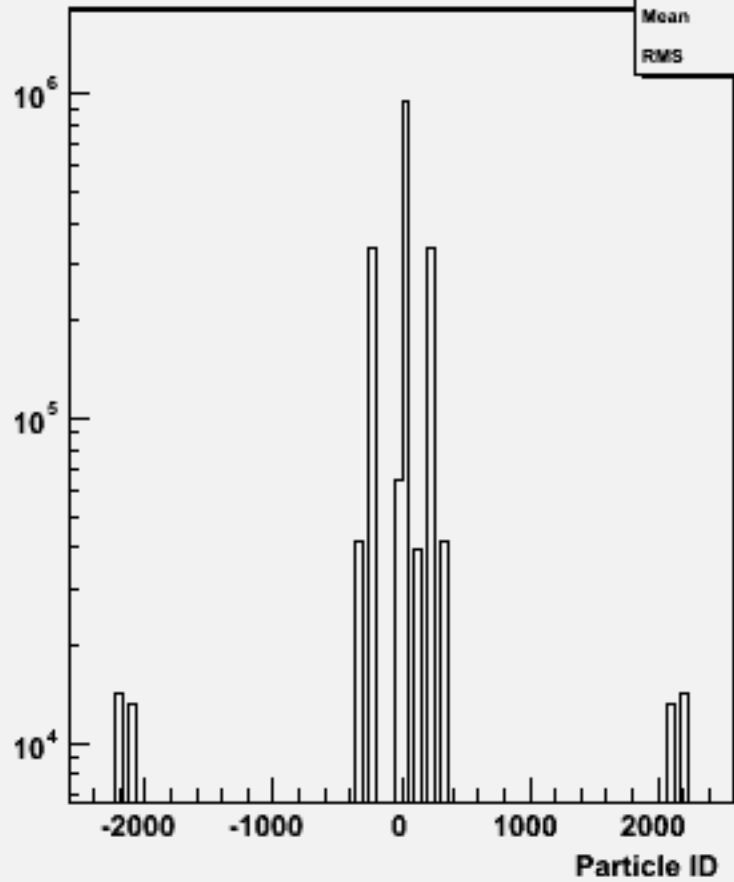
number\_of\_events\_in\_files=14193;14243;14206;8358

fileurl=lfncms:/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-2l2nbb-hbb.eL.pR.Gphyssim\_dbd-01-01.l106417

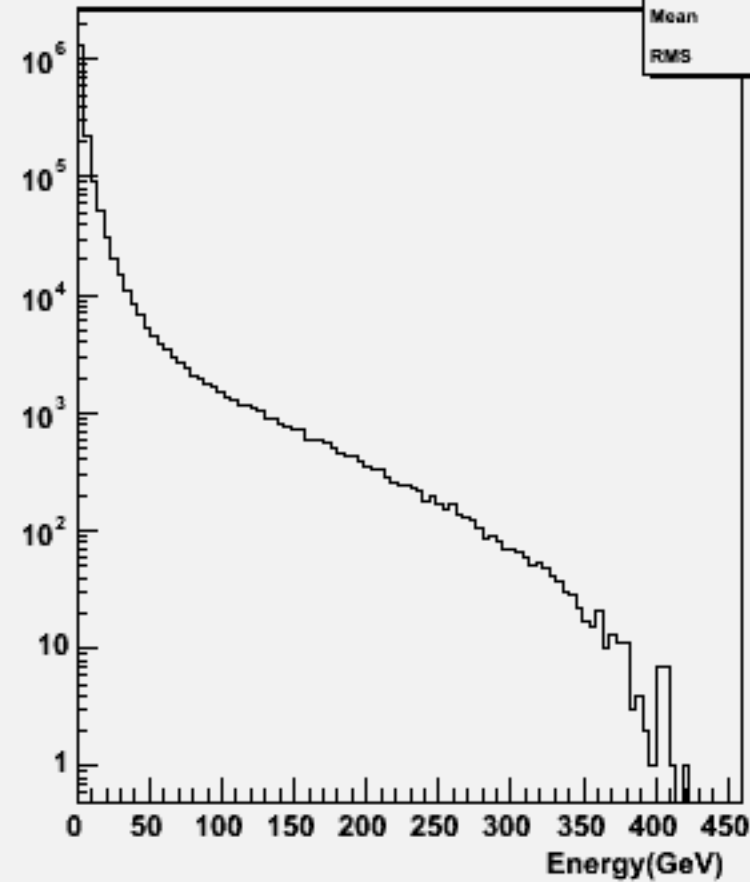
Particle ID : 106417 physsim-tth-2l2nbb-hbb

h_id	
Entries	1861717
Mean	13.16
RMS	398.6



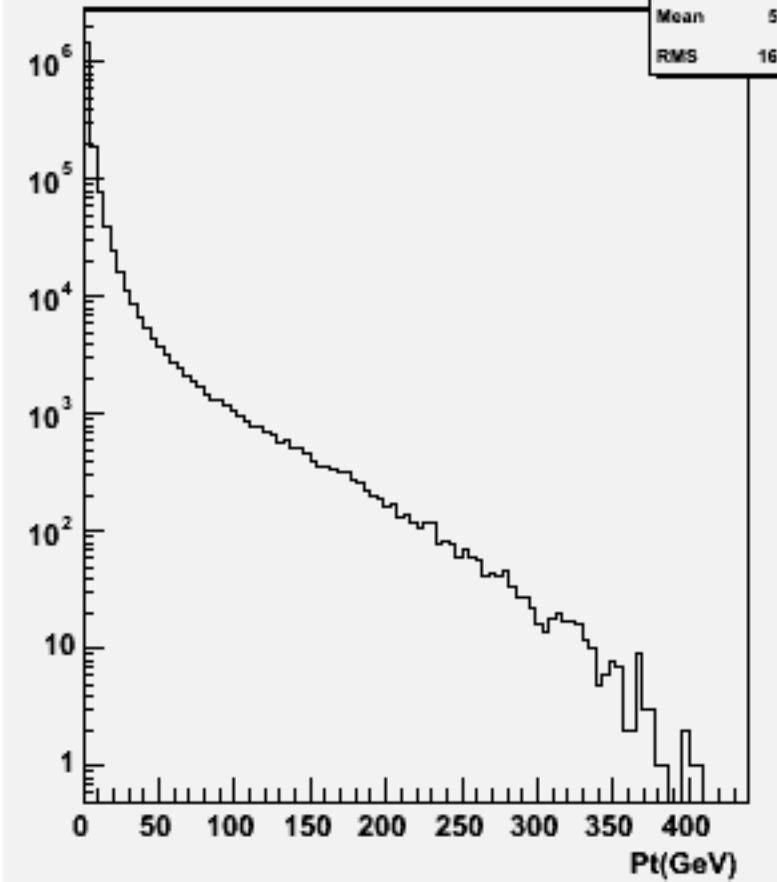
Particle Energy : 106417 physsim-tth-2l2nbb-hbb

h_e	
Entries	1861717
Mean	7.239
RMS	20.92



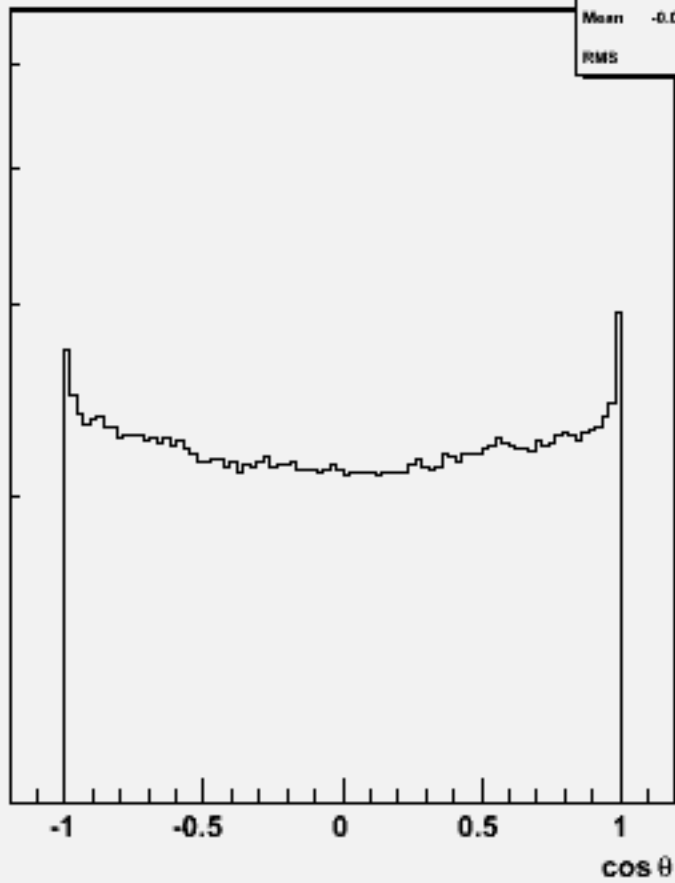
Particle Pt : 106417 physsim-tth-2l2nbb-hbb

h_pt	
Entries	1861717
Mean	5.43
RMS	16.32



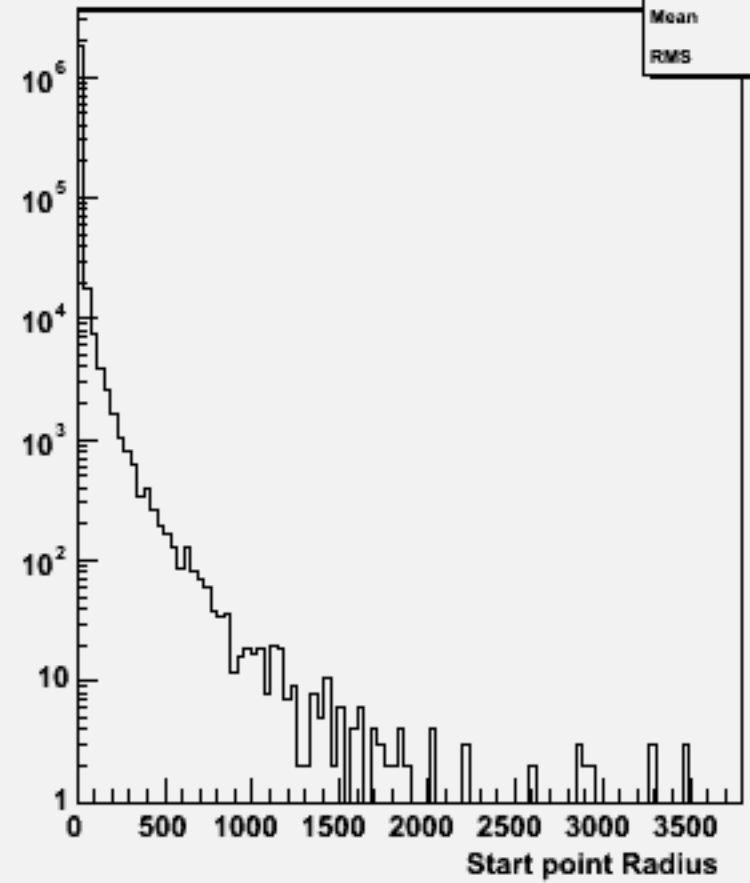
Particle cos $\theta$  : 106417 physsim-tth-2l2nbb-hbb

h_cs	
Entries	1861717
Mean	-0.005377
RMS	0.5947



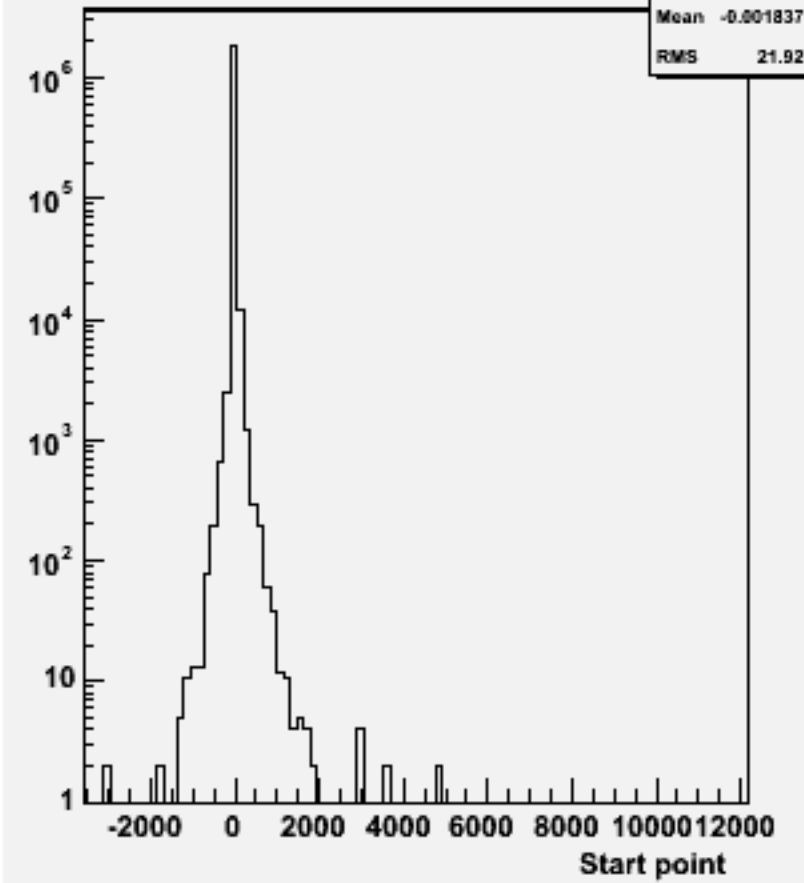
Start point R : 106417 physsim-tth-2l2nbb-hbb

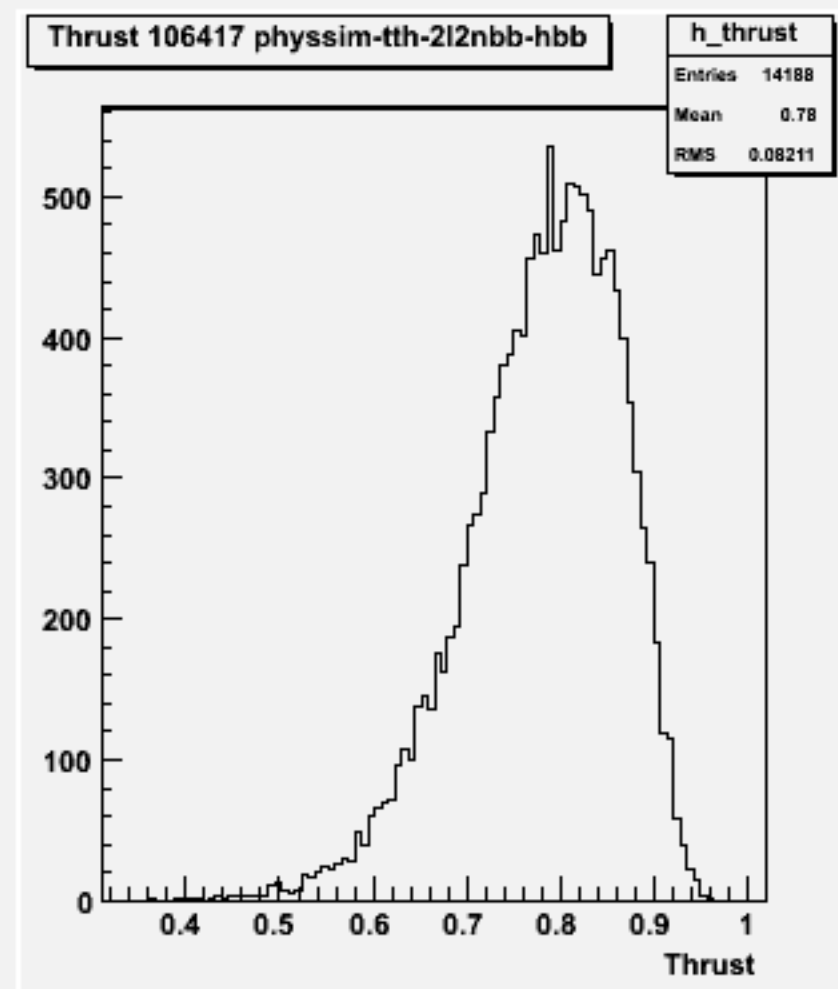
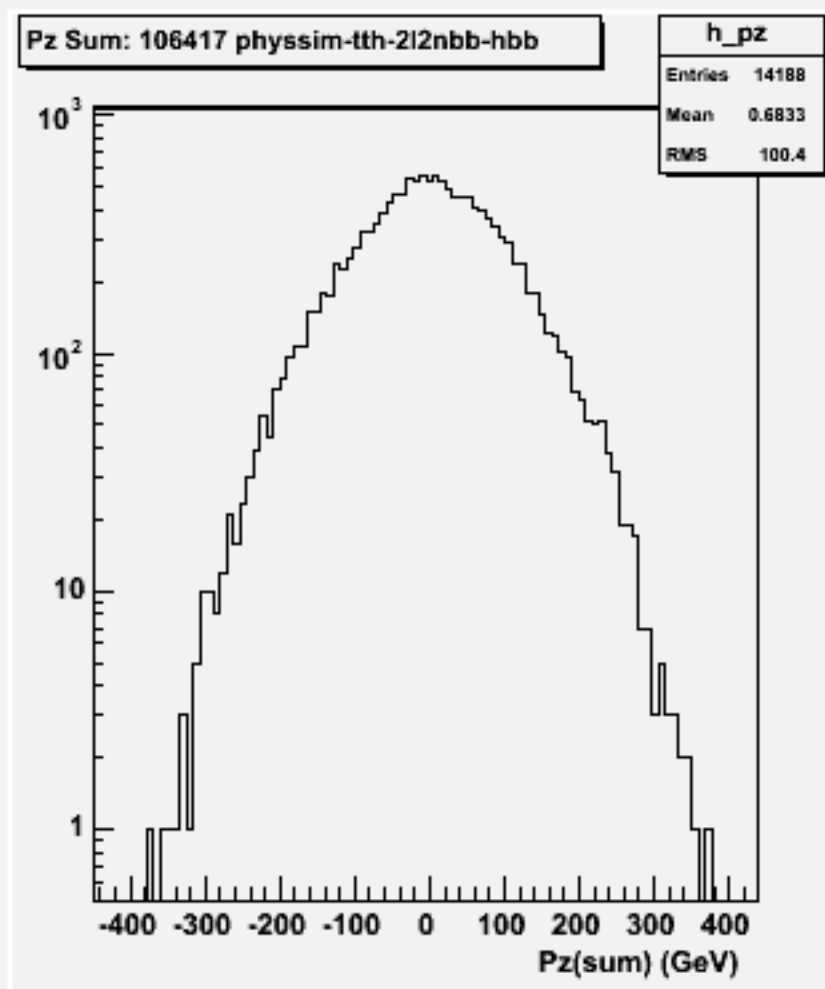
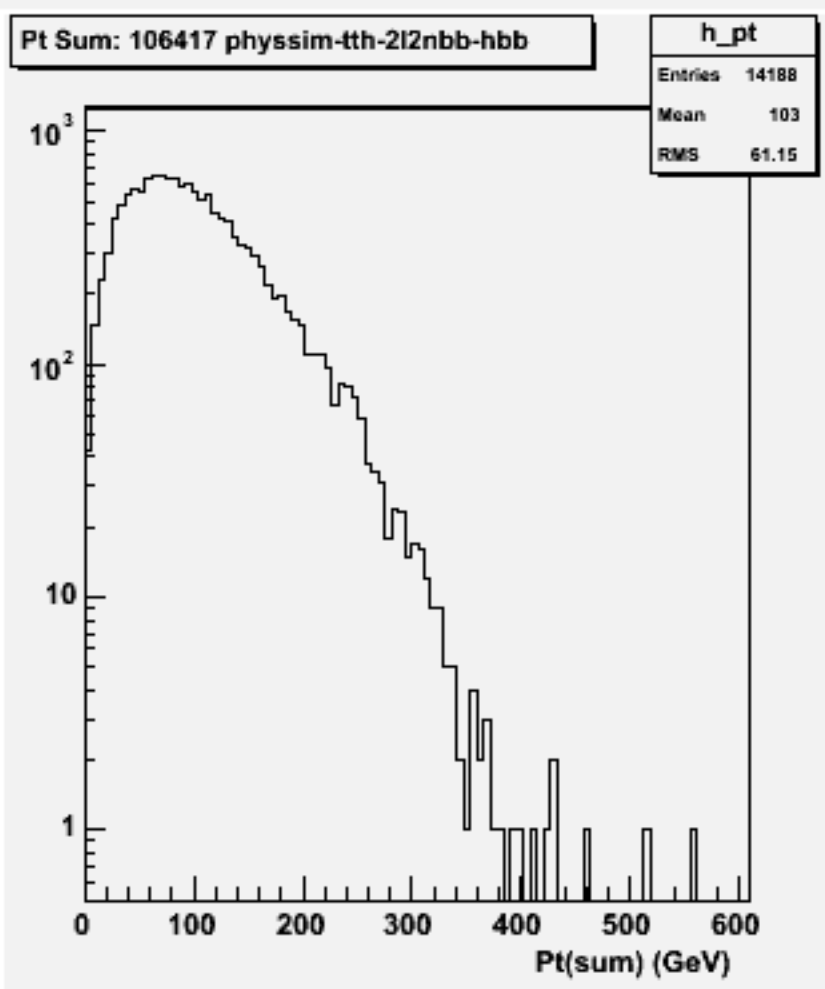
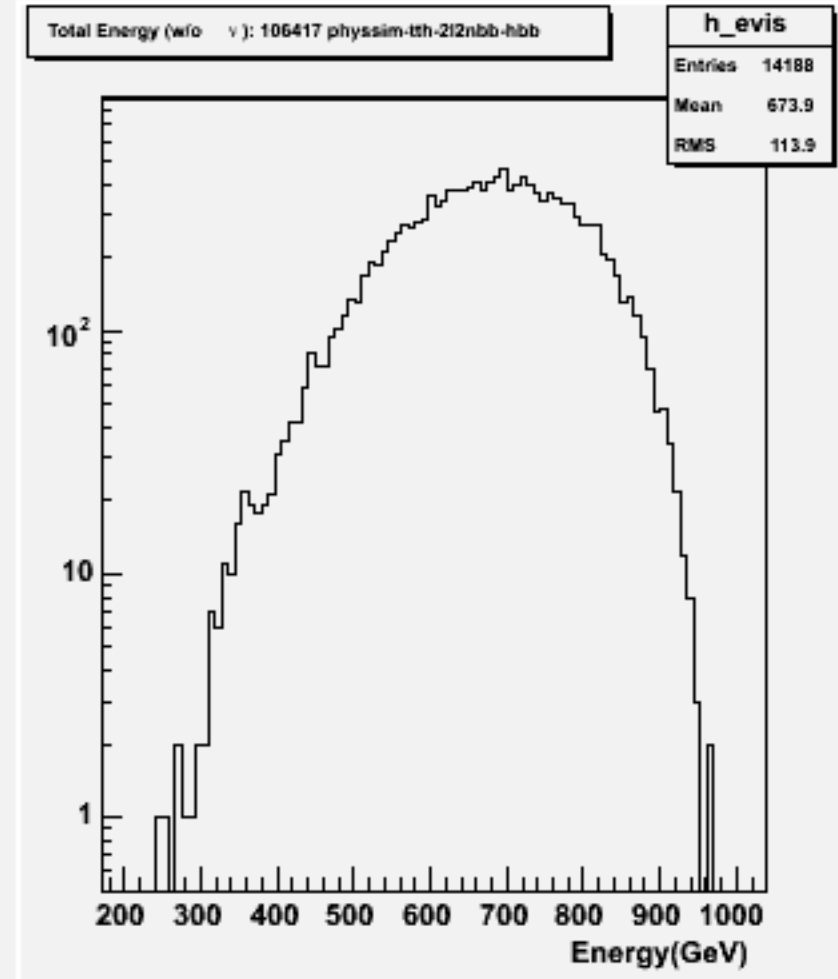
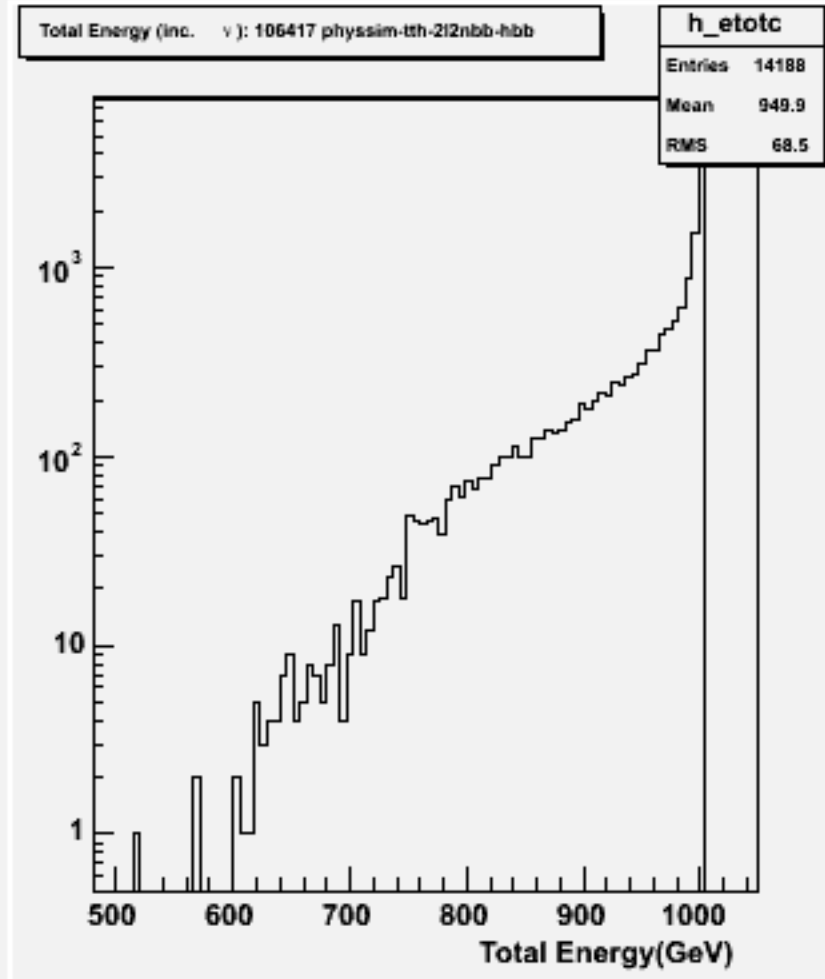
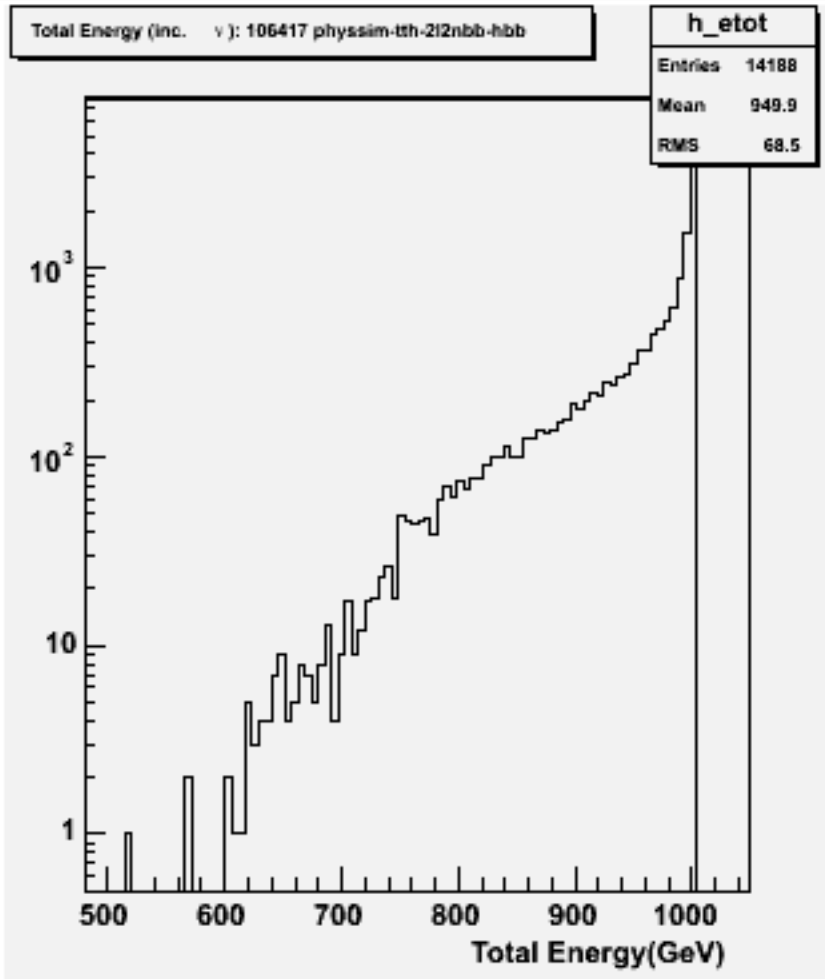
h_vr	
Entries	1861717
Mean	3.488
RMS	28.87



Start point Z : 106417 physsim-tth-2l2nbb-hbb

h_vz	
Entries	1861717
Mean	-0.001837
RMS	21.92

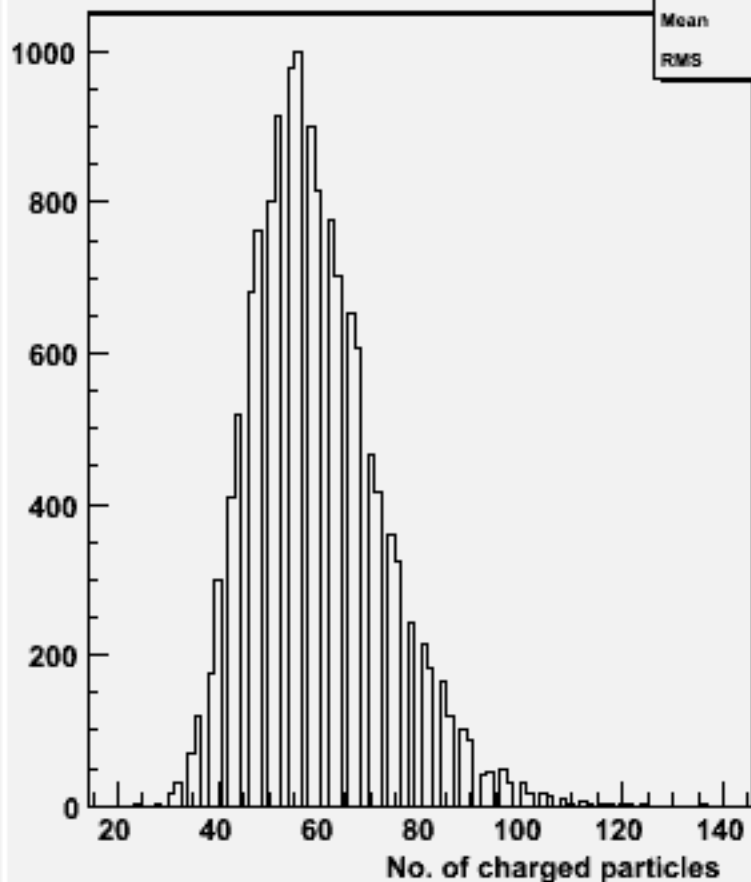




No. of Charged particles : 106417 physsim-tth-2l2nbb-hbb

**h\_nchg**

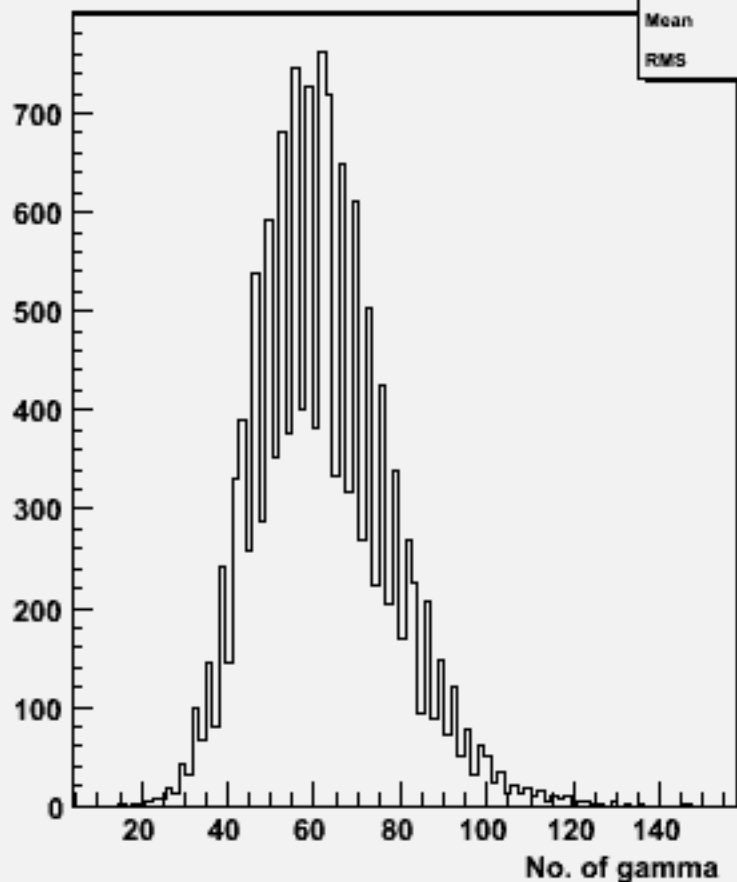
Entries	14188
Mean	59.43
RMS	13.08



No. of Gamma : 106417 physsim-tth-2l2nbb-hbb

**h\_ngam**

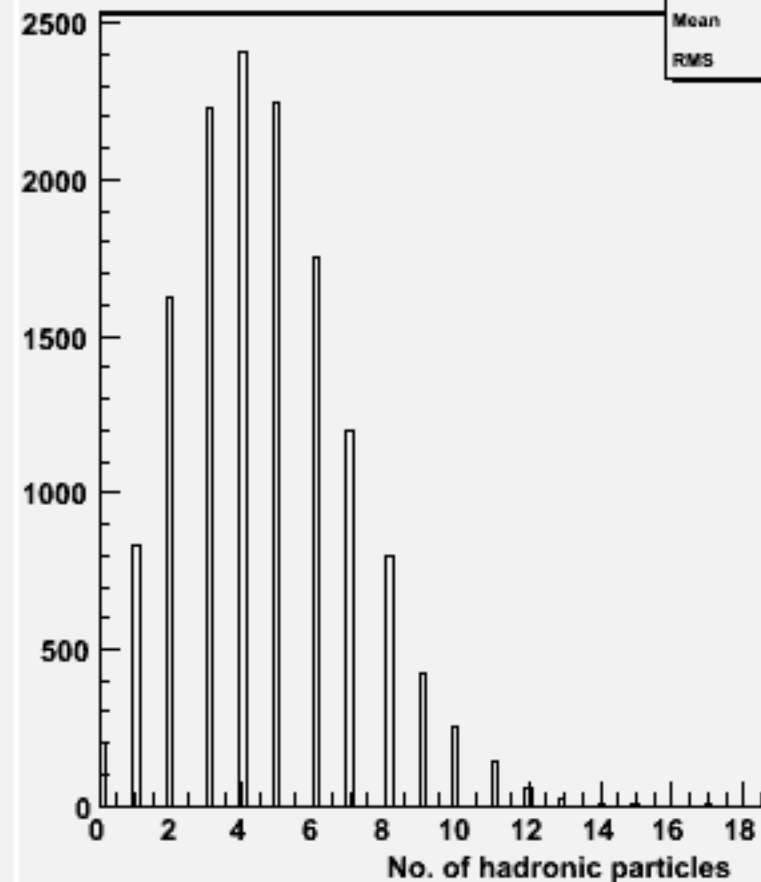
Entries	14188
Mean	62.12
RMS	15.54



No. of Hadronic particles : 106417 physsim-tth-2l2nbb-hbb

**h\_nhad**

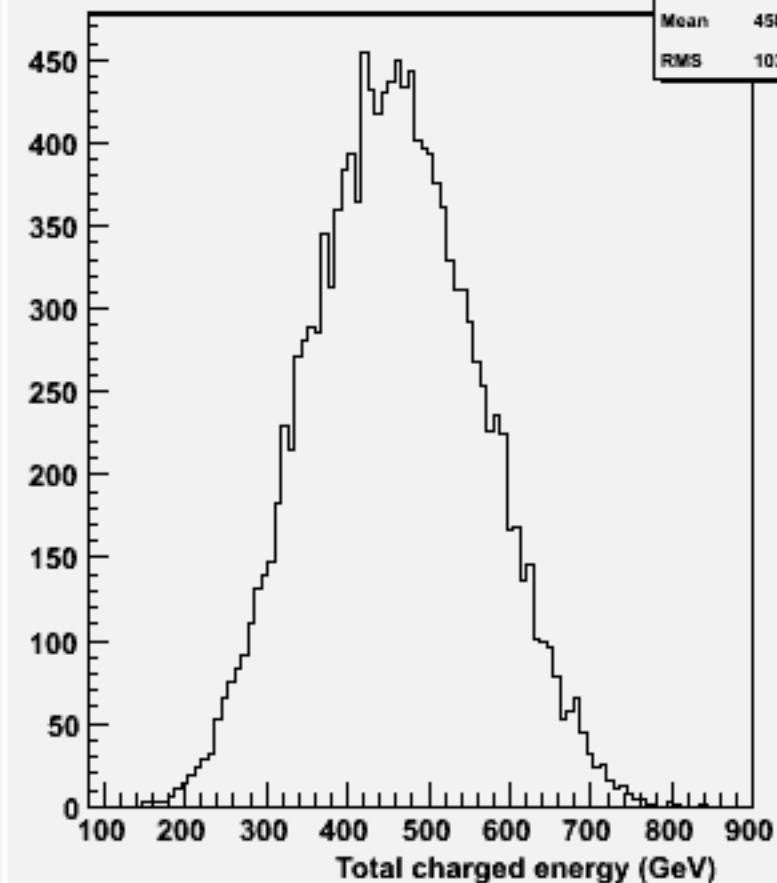
Entries	14188
Mean	4.648
RMS	2.377



Total charged energy : 106417 physsim-tth-2l2nbb-hbb

**h\_echg**

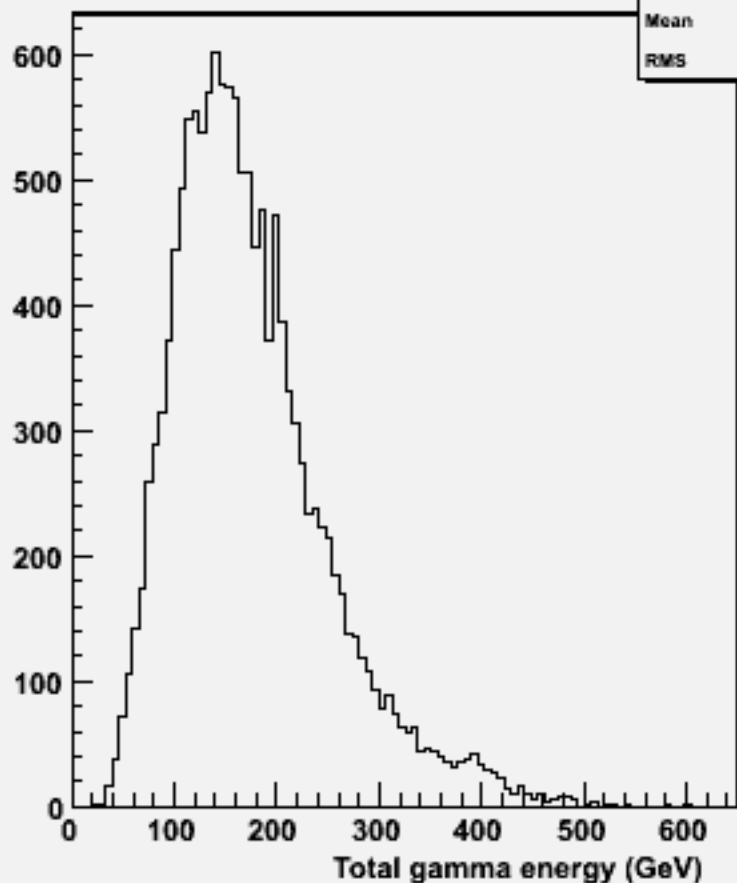
Entries	14188
Mean	458.3
RMS	103.2



Total gamma energy : 106417 physsim-tth-2l2nbb-hbb

**h\_egam**

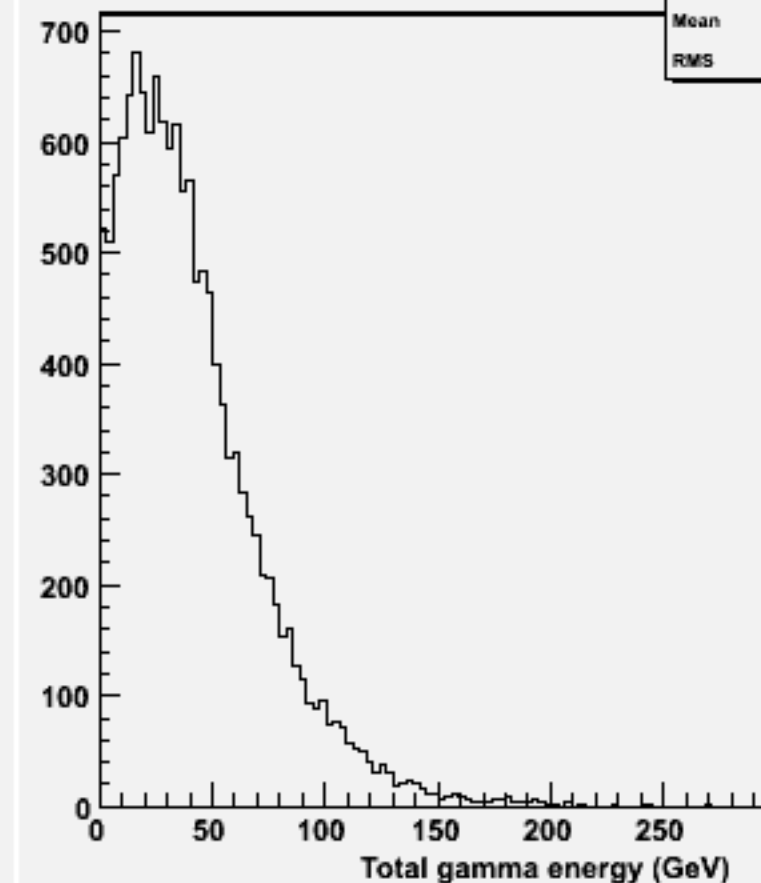
Entries	14188
Mean	174.5
RMS	76.26



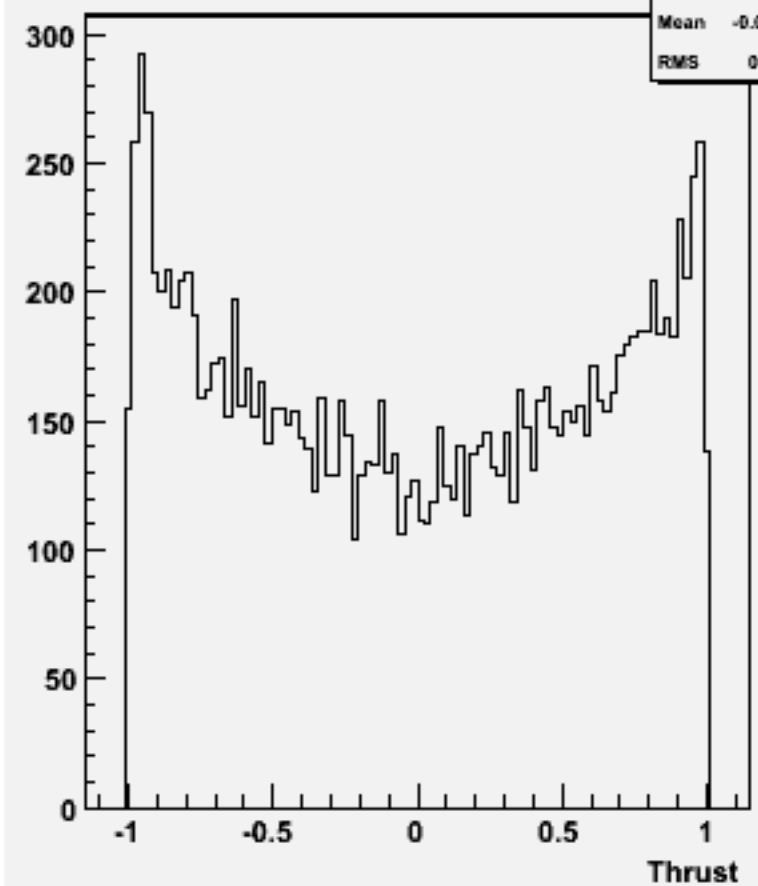
Total hadronic energy : 106417 physsim-tth-2l2nbb-hbb

**h\_ehad**

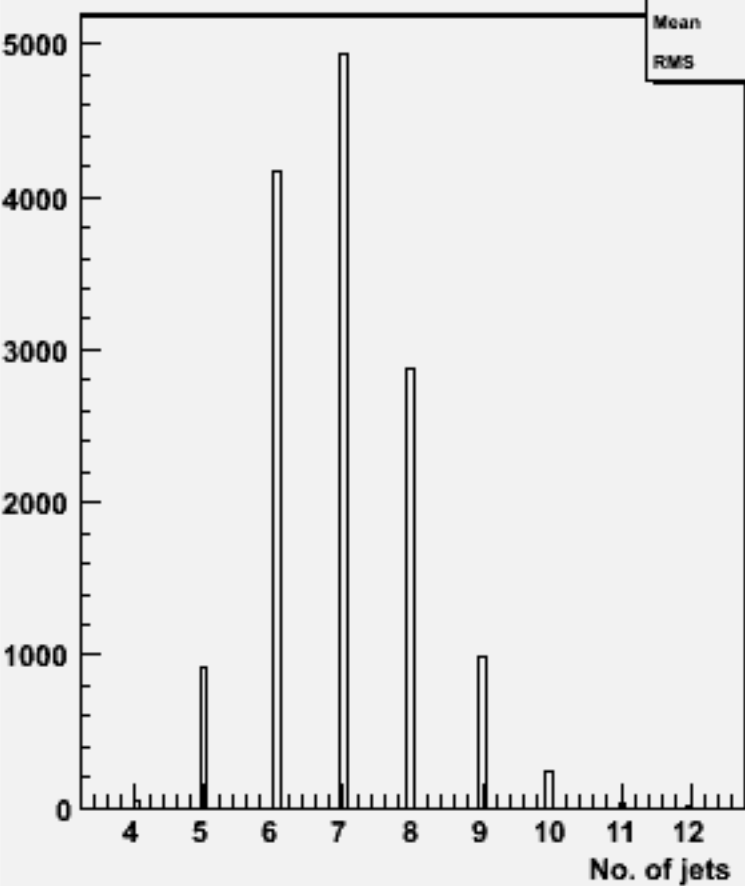
Entries	14188
Mean	41.2
RMS	31.41



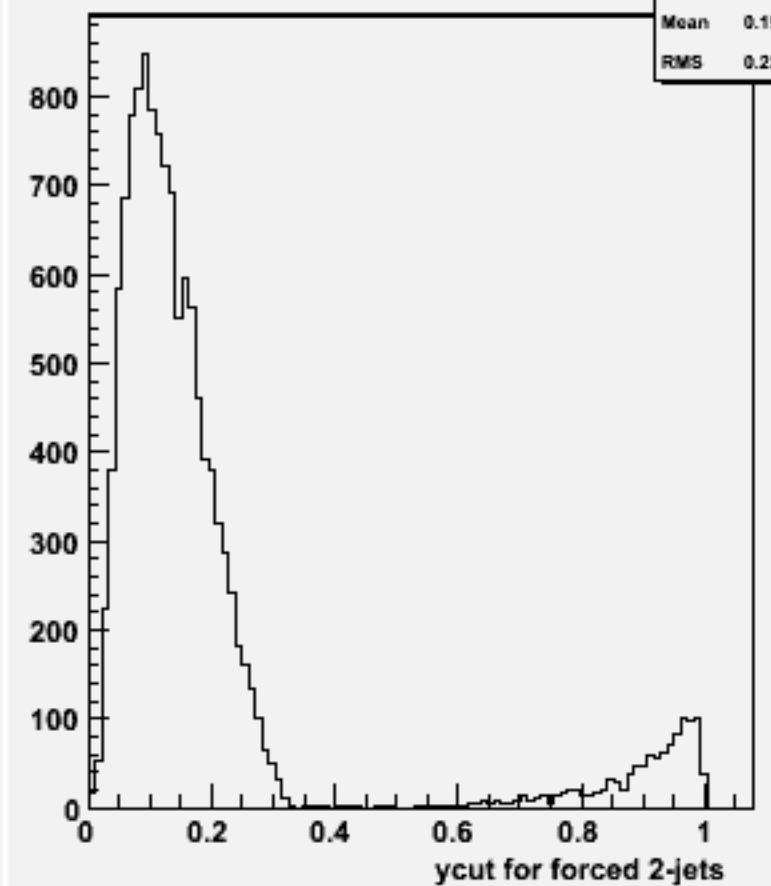
cos  $\Theta$  (thrust) 106417 pythssim-tth-2l2nbb-hbb



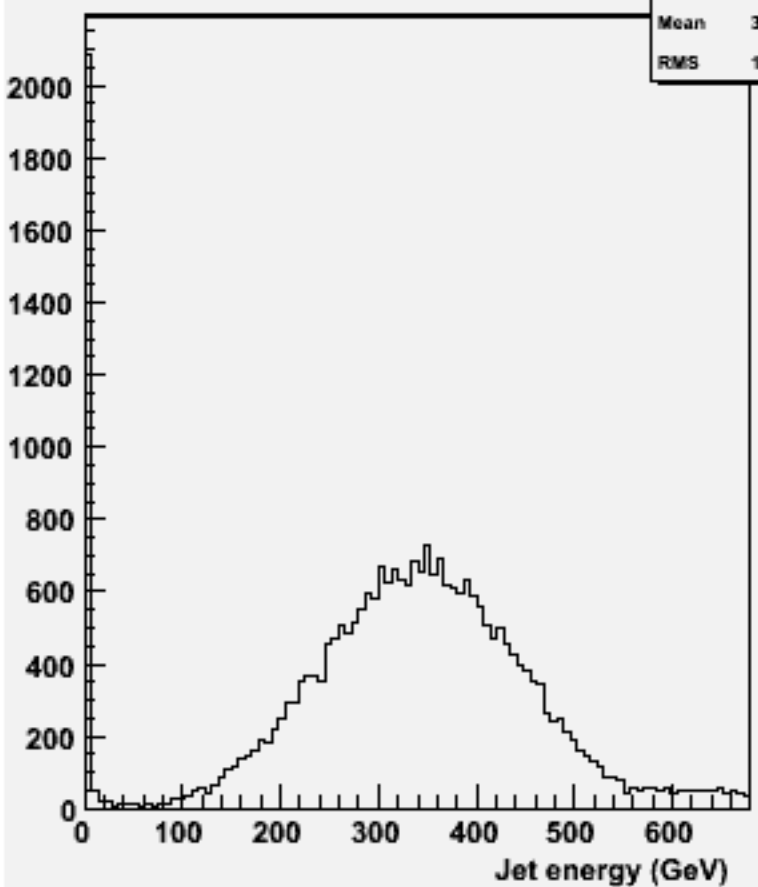
No. jets (ycut=0.001) : 106417 pythssim-tth-2l2nbb-hbb



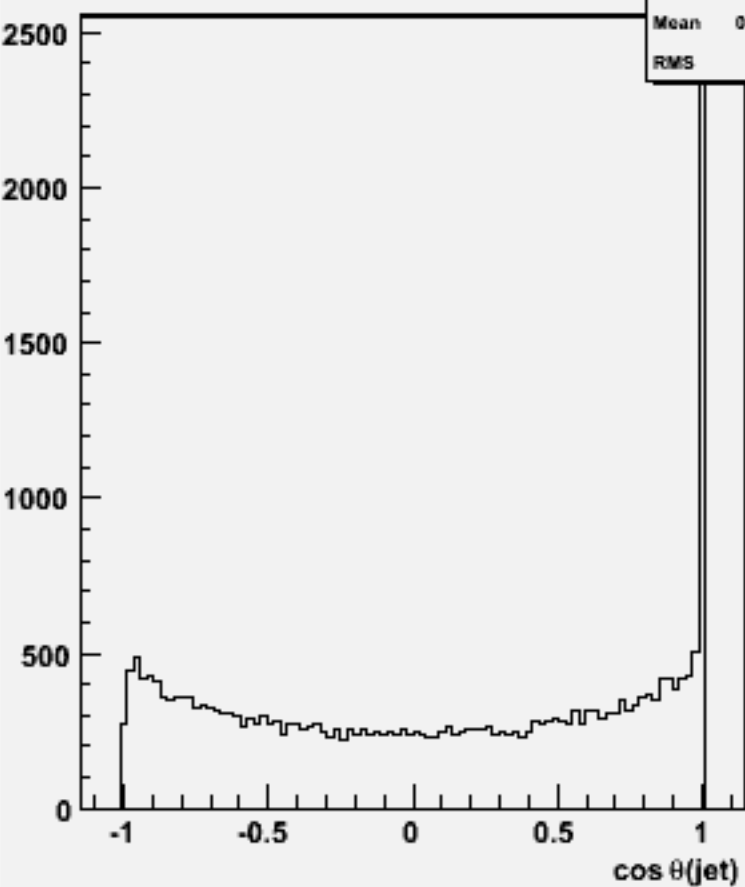
Ycut for 2-jets :106417 pythssim-tth-2l2nbb-hbb



energy for 2-jets :106417 pythssim-tth-2l2nbb-hbb



cos  $\Theta$  for 2-jets :106417 pythssim-tth-2l2nbb-hbb



Jet mass for forced 2-jets : 106417 pythssim-tth-2l2nbb-hbb

