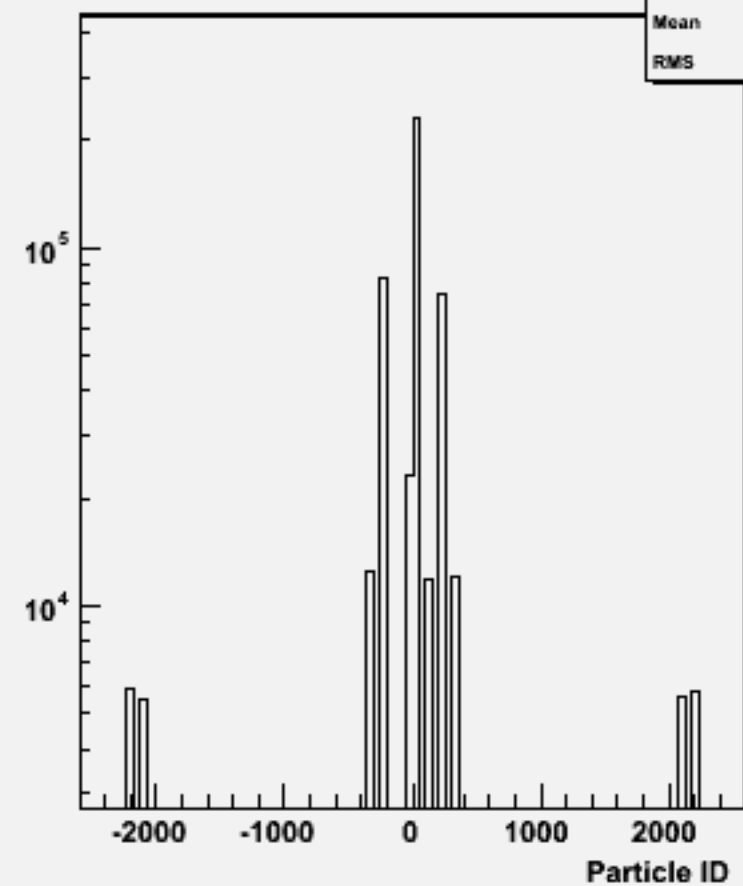


# Generator file information: w101512 n3n3n1e1sc\_o

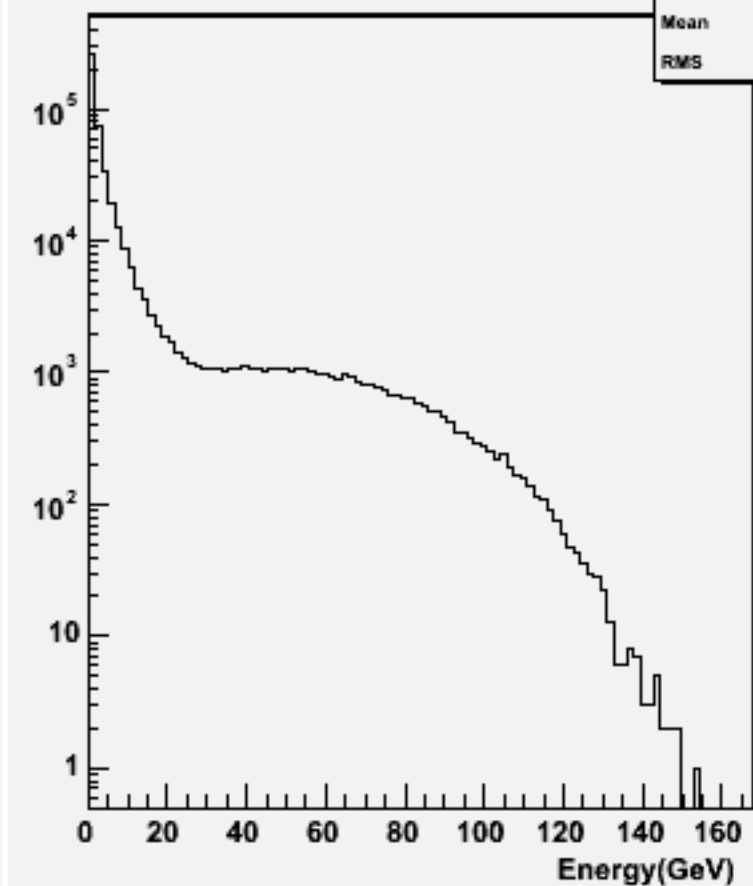
process\_id=w101512  
job\_date\_time=100628-144452  
process\_name=n3n3n1e1sc\_o  
CM\_energy\_in\_GeV=350  
program\_name\_version=whizard-1.40  
beam\_particle1=e1  
beam\_particle2=E1  
polarization1=-1.0  
polarization2=+1.0  
luminosity=1000  
cross\_section\_in\_fb=2.45443865499252  
lumi\_file=/tmp/lumi\_linker\_directory/lumi\_linker\_008  
file\_type=stdhep  
total\_number\_of\_events=10000  
number\_of\_files=1  
file\_names=w101512\_01.stdhep  
number\_of\_events\_in\_files=10000  
fileurl=lfh:/grid/ilc/users/miyamoto/CDS/generated/0350  
logurl=[http://www-jlc.in.kek.jp/~miyamoto/CDS/0350/run\\_output/w101512/run\\_01](http://www-jlc.in.kek.jp/~miyamoto/CDS/0350/run_output/w101512/run_01)  
comment=

Particle ID : w101512 n3n3n1e1sc\_o



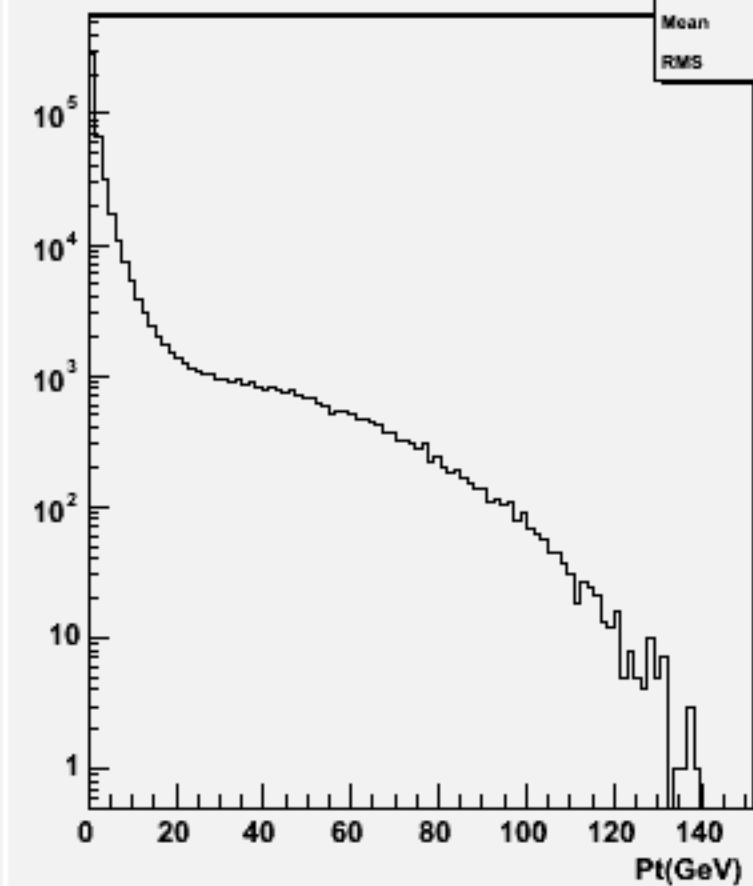
| h_id    |        |
|---------|--------|
| Entries | 471798 |
| Mean    | 9.379  |
| RMS     | 496.8  |

Particle Energy : w101512 n3n3n1e1sc\_o

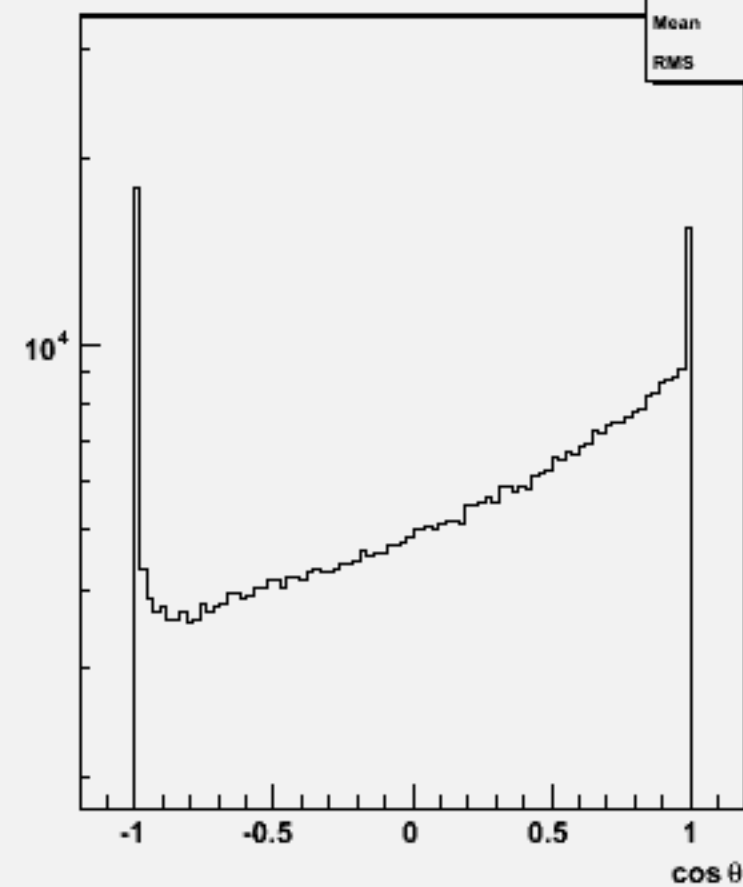


| h_e     |        |
|---------|--------|
| Entries | 471798 |
| Mean    | 7.375  |
| RMS     | 17.39  |

Particle Pt : w101512 n3n3n1e1sc\_o

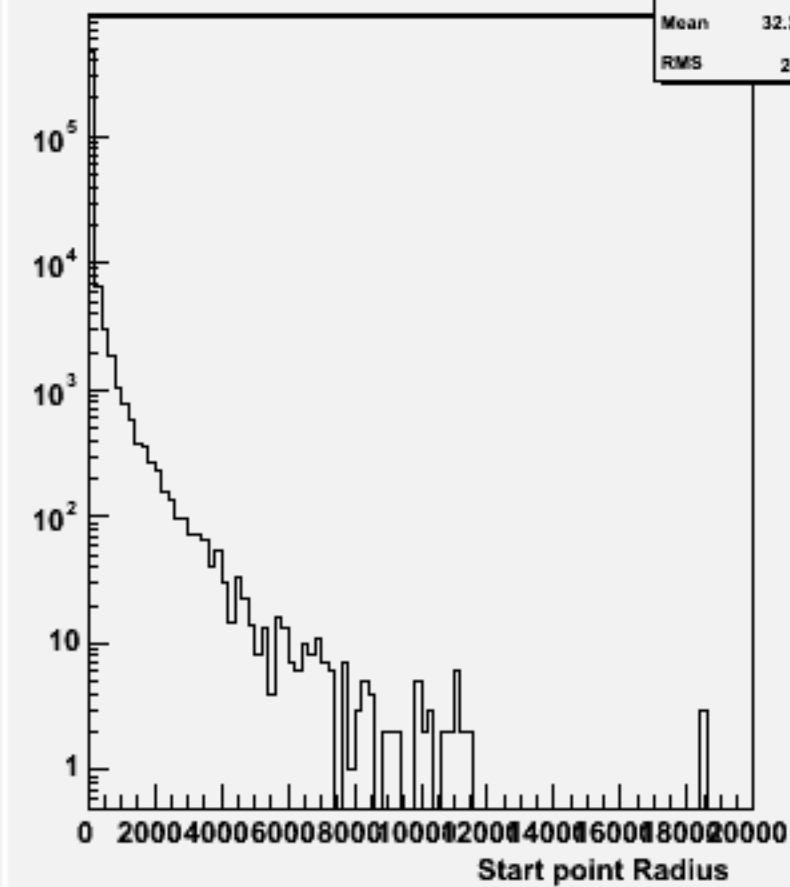


| h_pt    |        |
|---------|--------|
| Entries | 471798 |
| Mean    | 4.784  |
| RMS     | 12.32  |

Particle cos $\theta$  : w101512 n3n3n1e1sc\_o

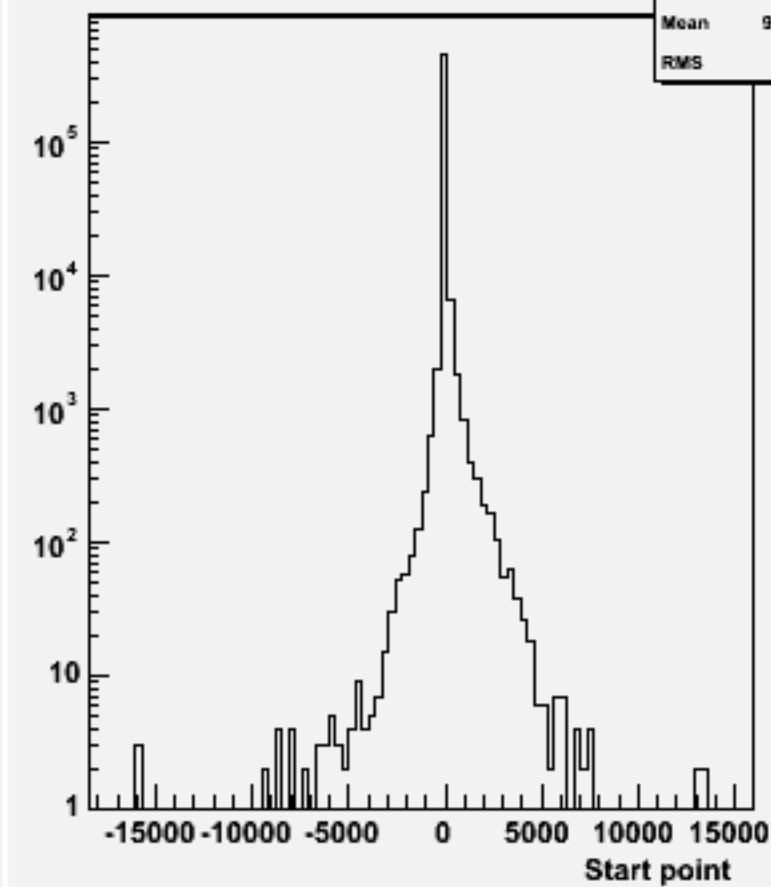
| h_cs    |        |
|---------|--------|
| Entries | 471798 |
| Mean    | 0.1362 |
| RMS     | 0.6119 |

Start point R : w101512 n3n3n1e1sc\_o

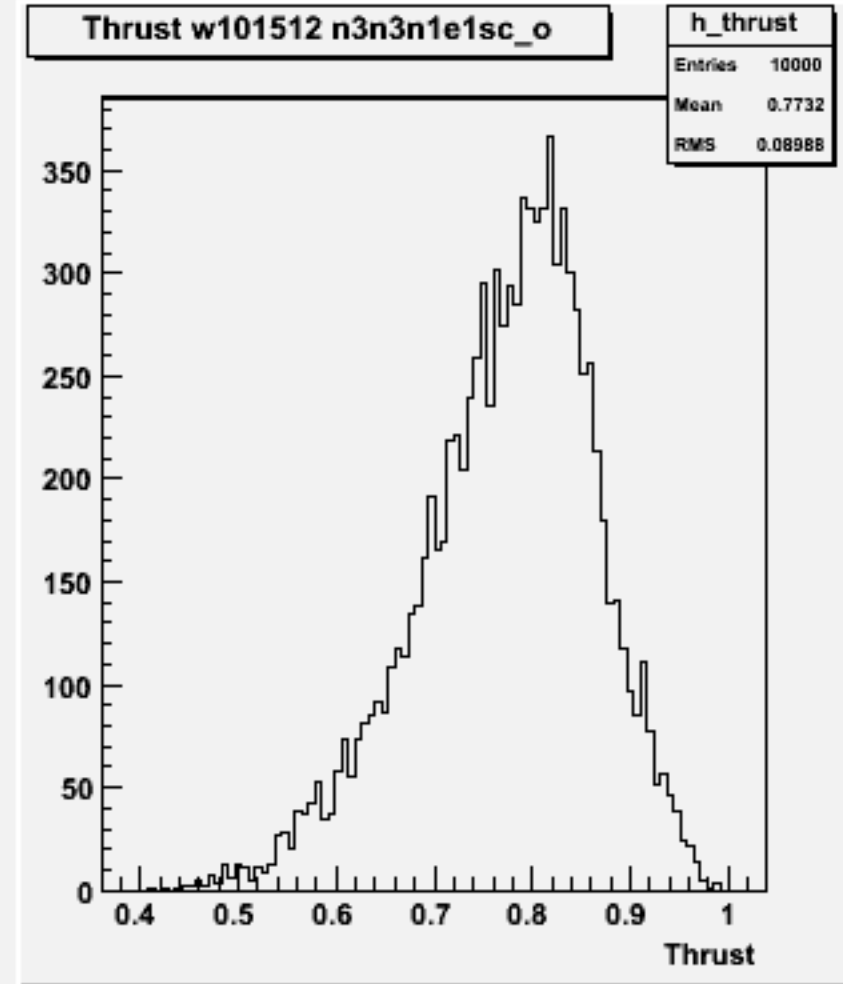
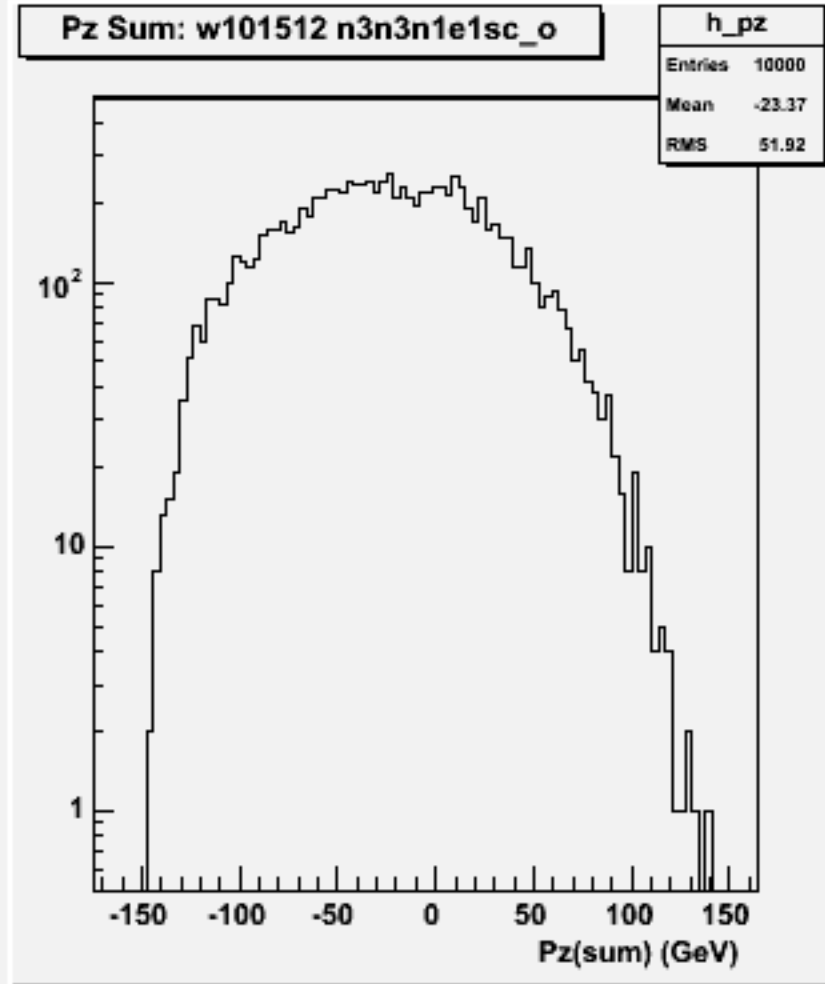
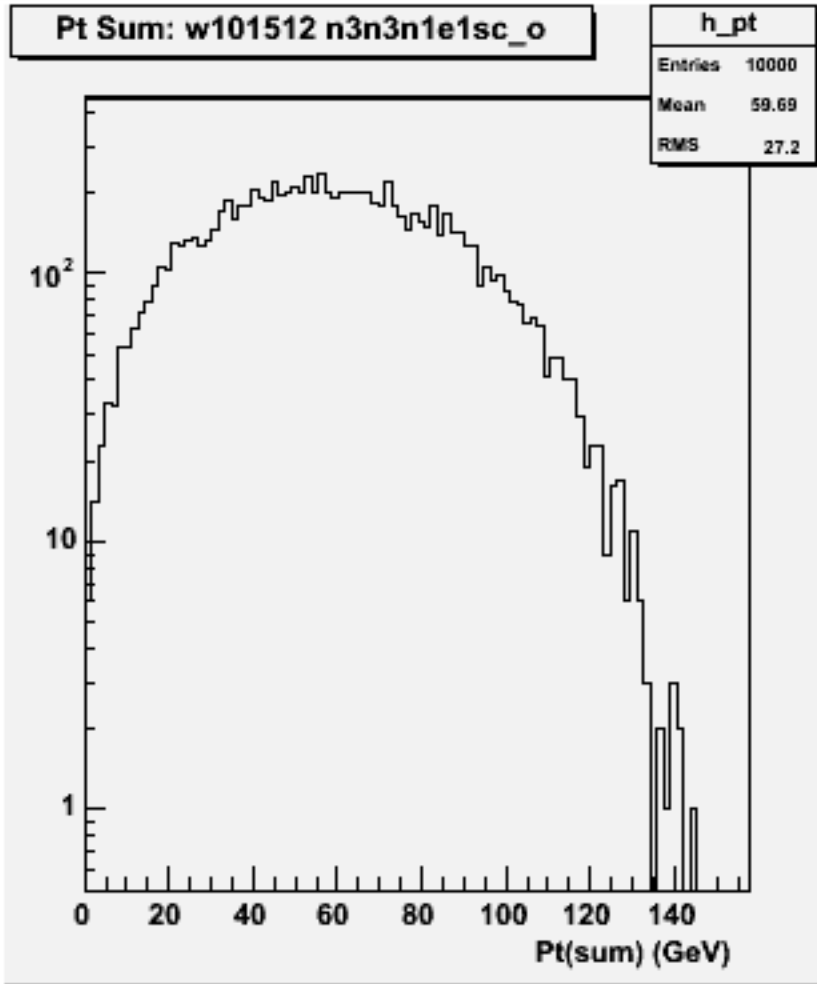
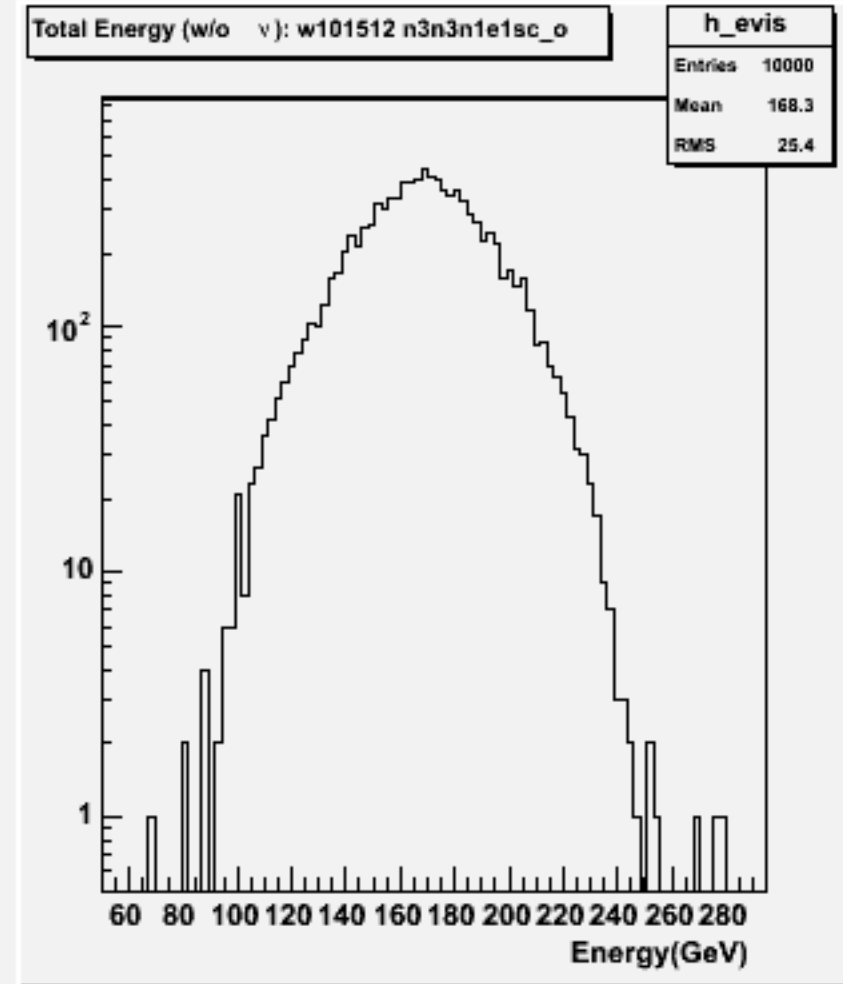
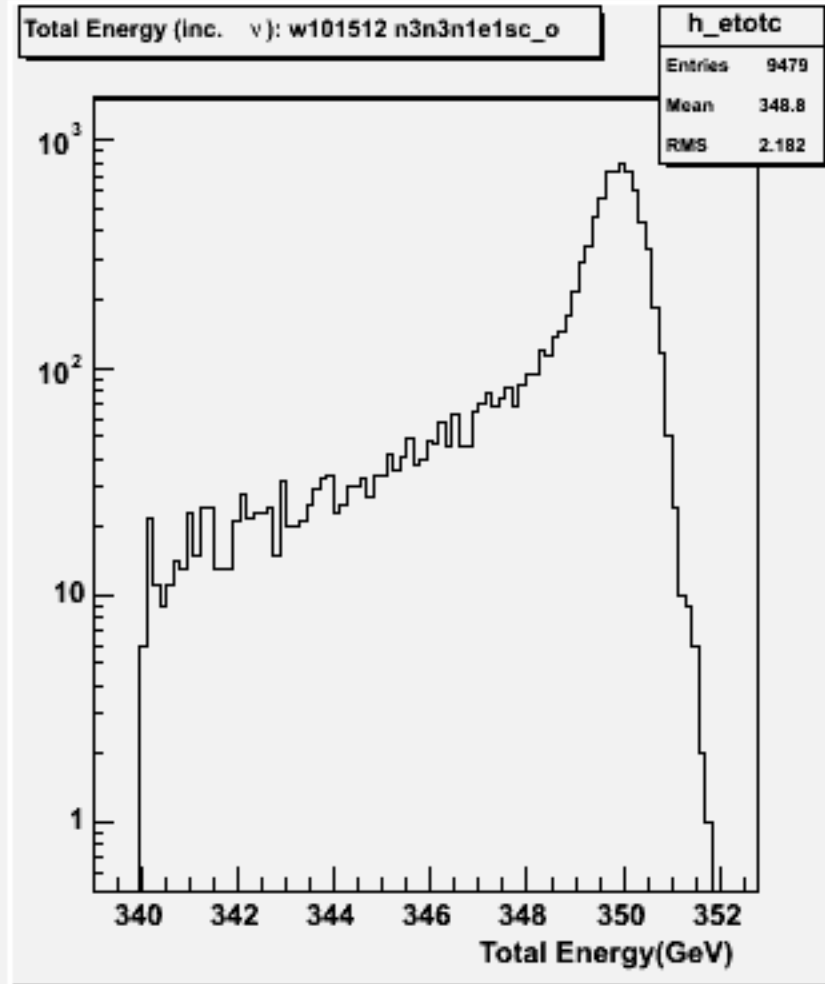
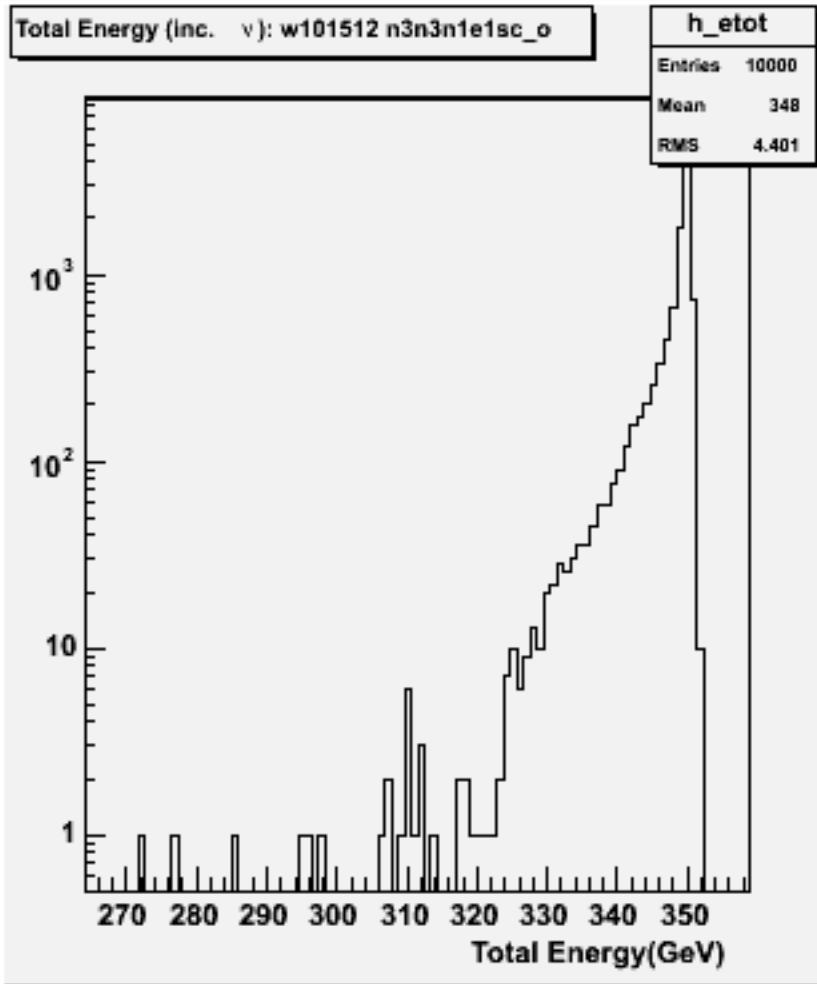


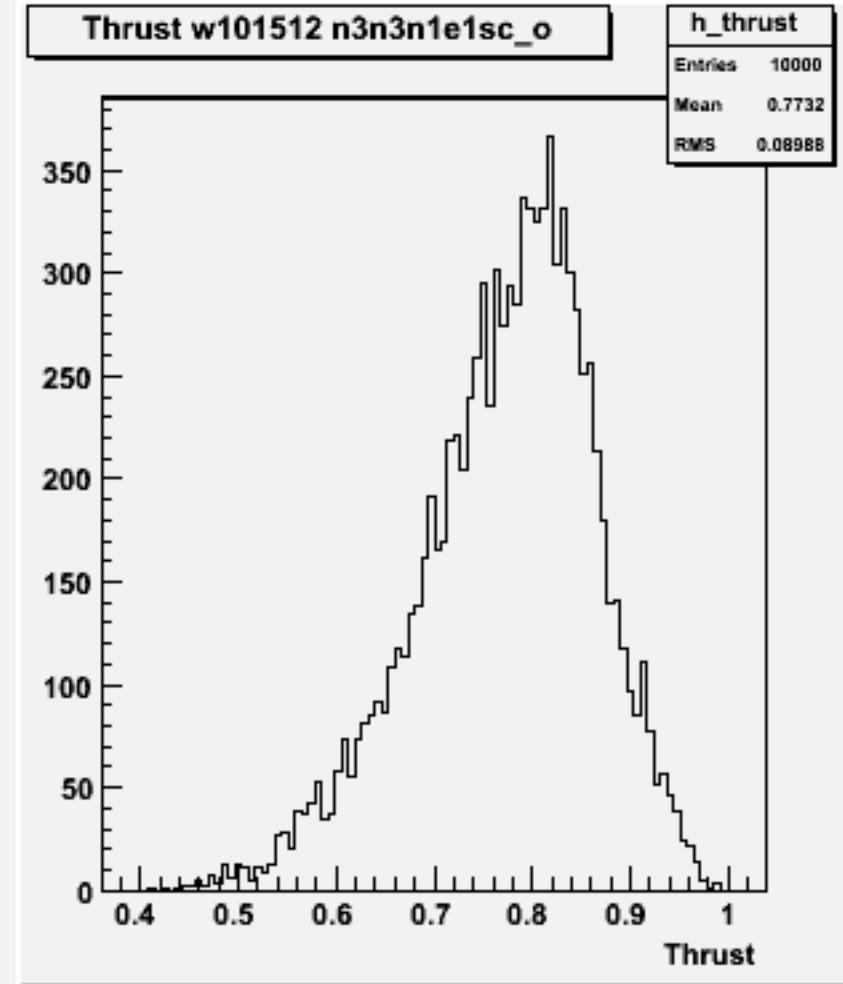
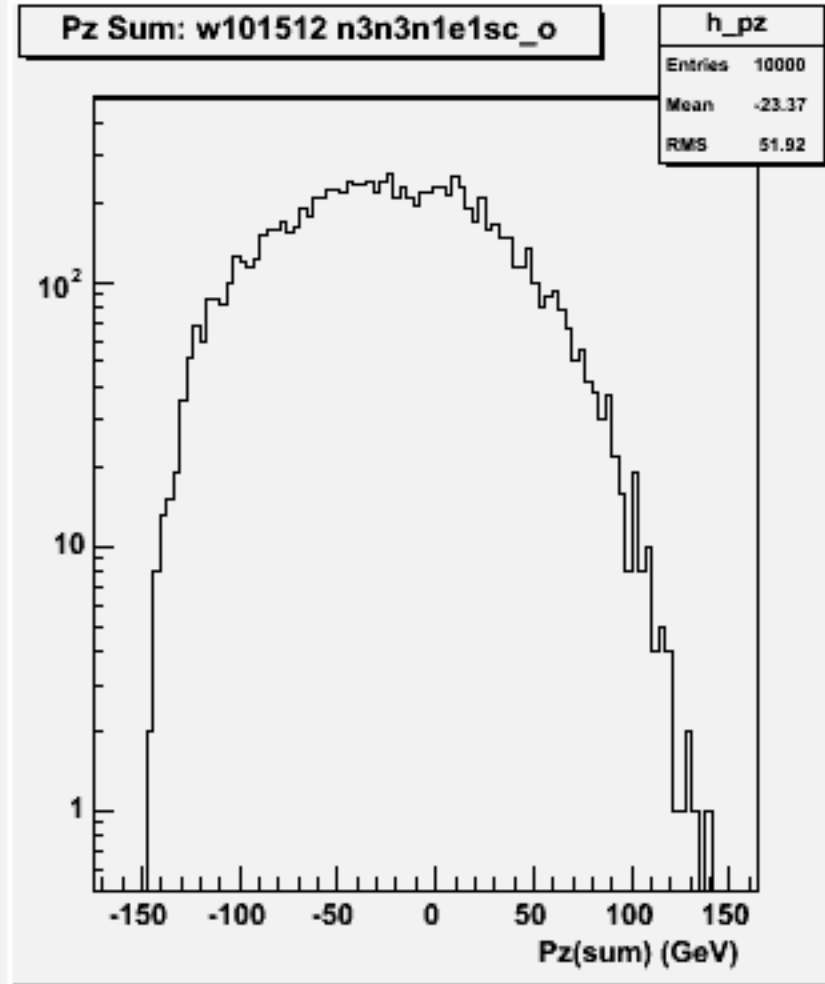
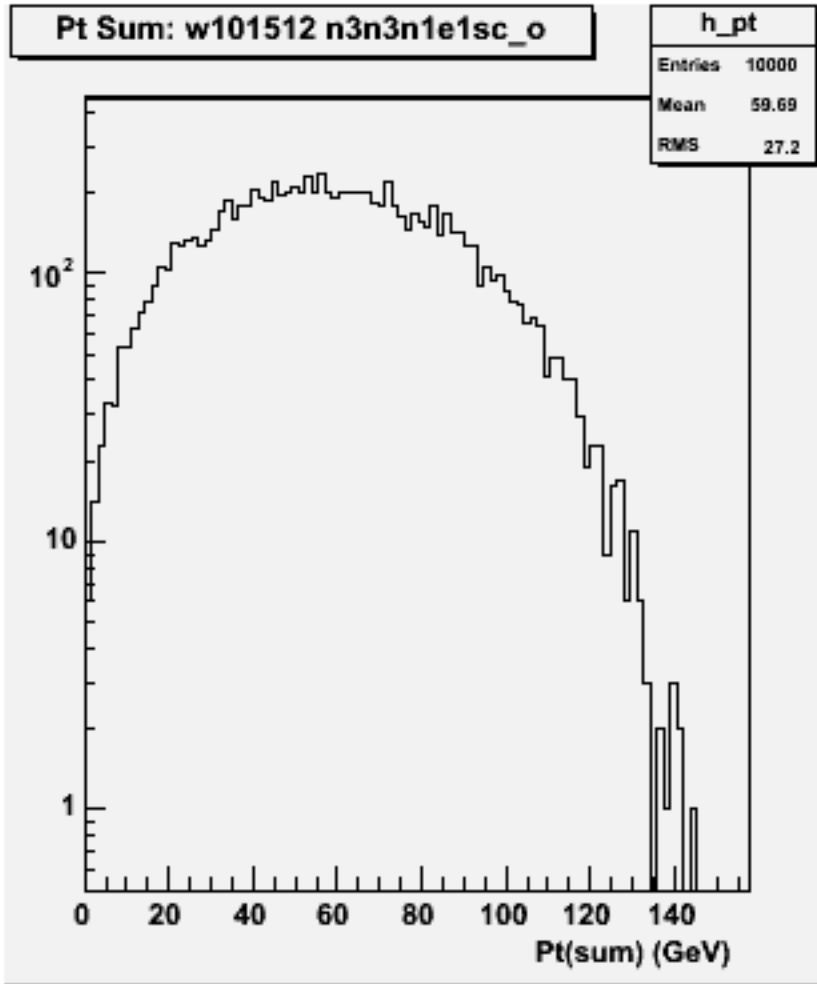
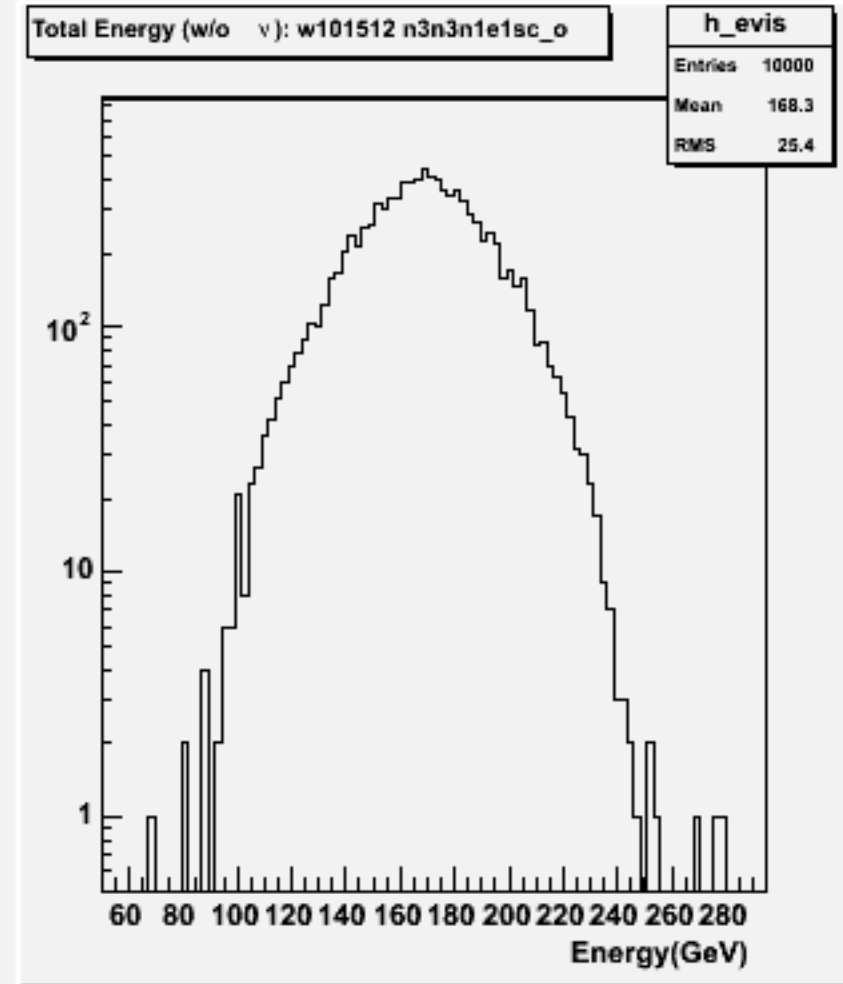
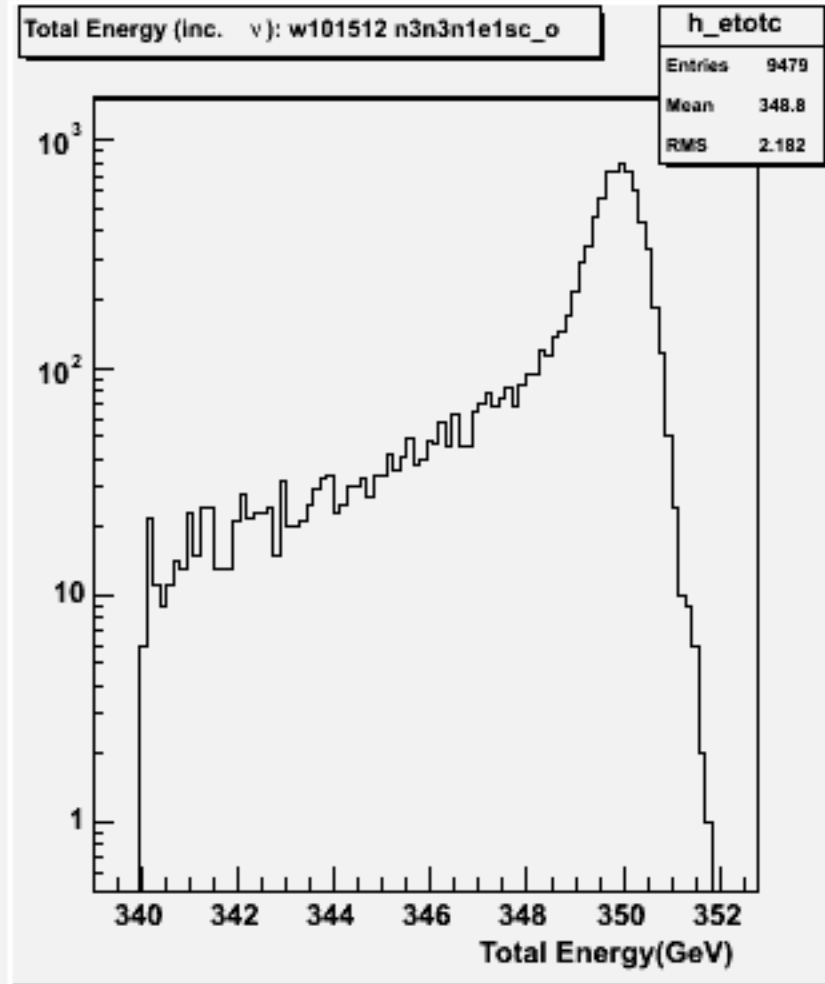
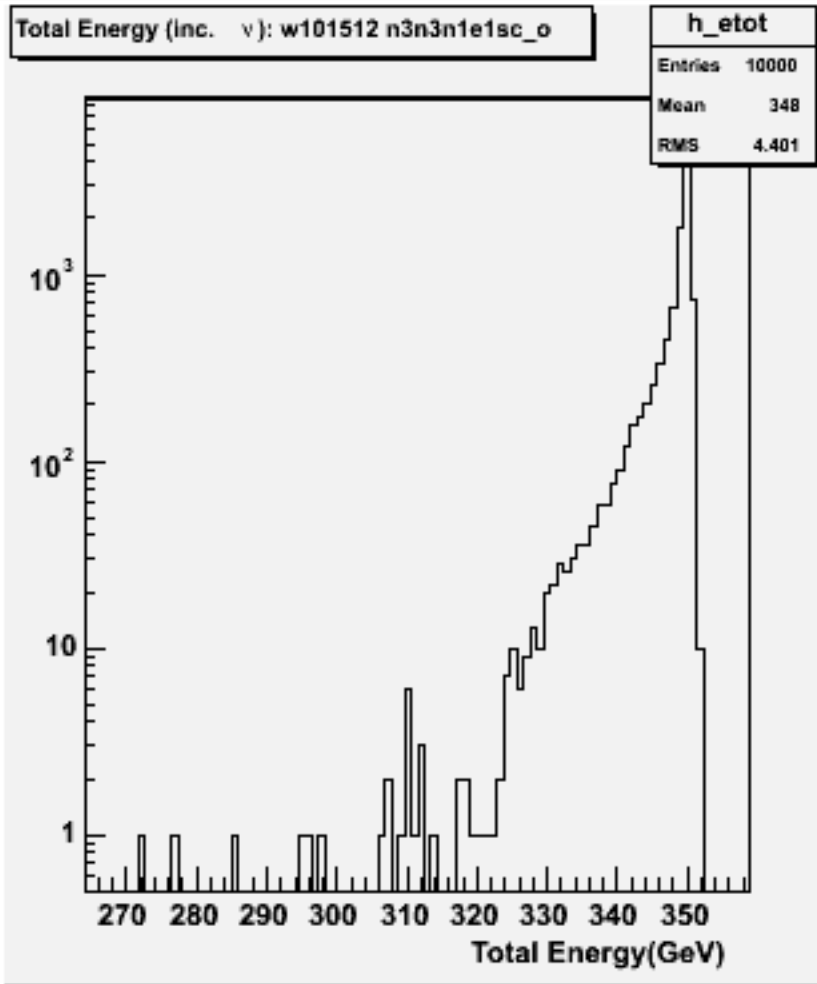
| h_vr    |        |
|---------|--------|
| Entries | 471798 |
| Mean    | 32.26  |
| RMS     | 241    |

Start point Z : w101512 n3n3n1e1sc\_o



| h_vz    |        |
|---------|--------|
| Entries | 471798 |
| Mean    | 9.053  |
| RMS     | 182    |

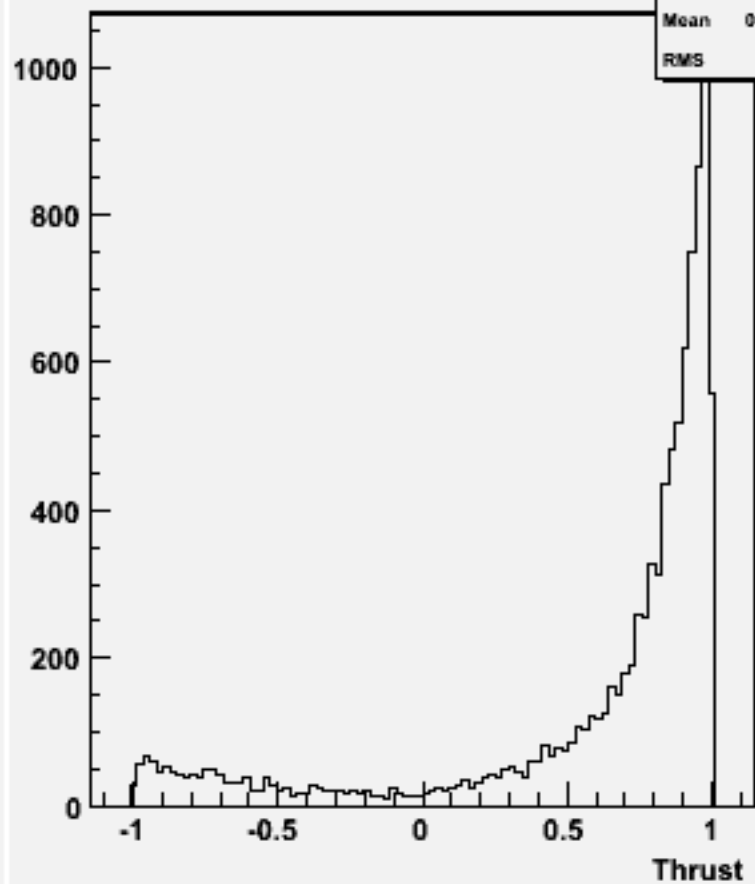




cos  $\Theta$ (thrust) w101512 n3n3n1e1sc\_o

h\_csth

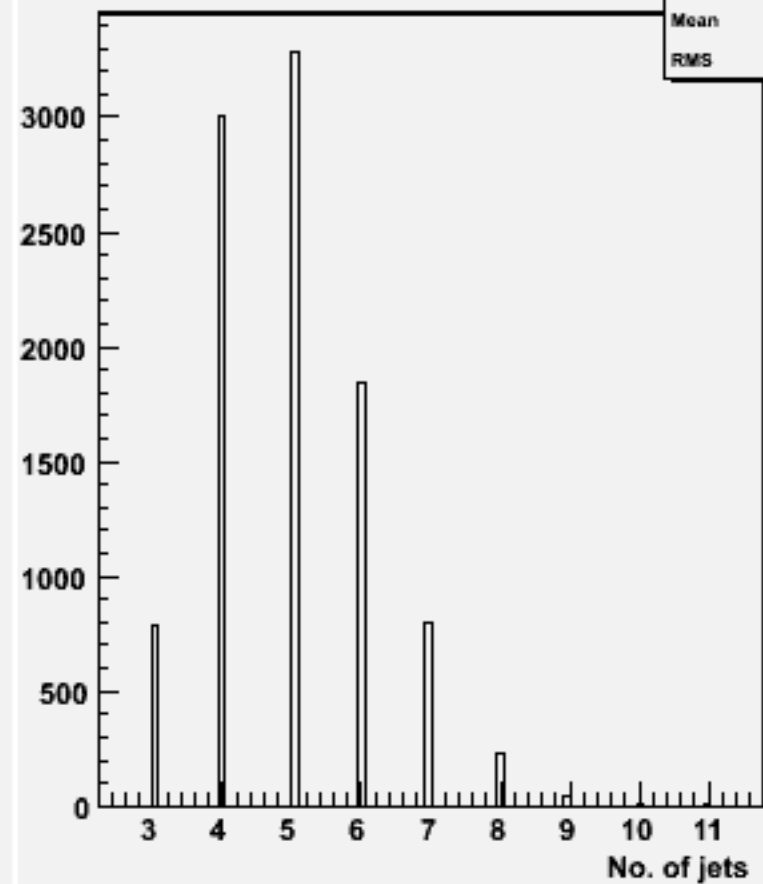
|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | 0.6126 |
| RMS     | 0.528  |



No. jets (ycut=0.001) : w101512 n3n3n1e1sc\_o

h\_njets

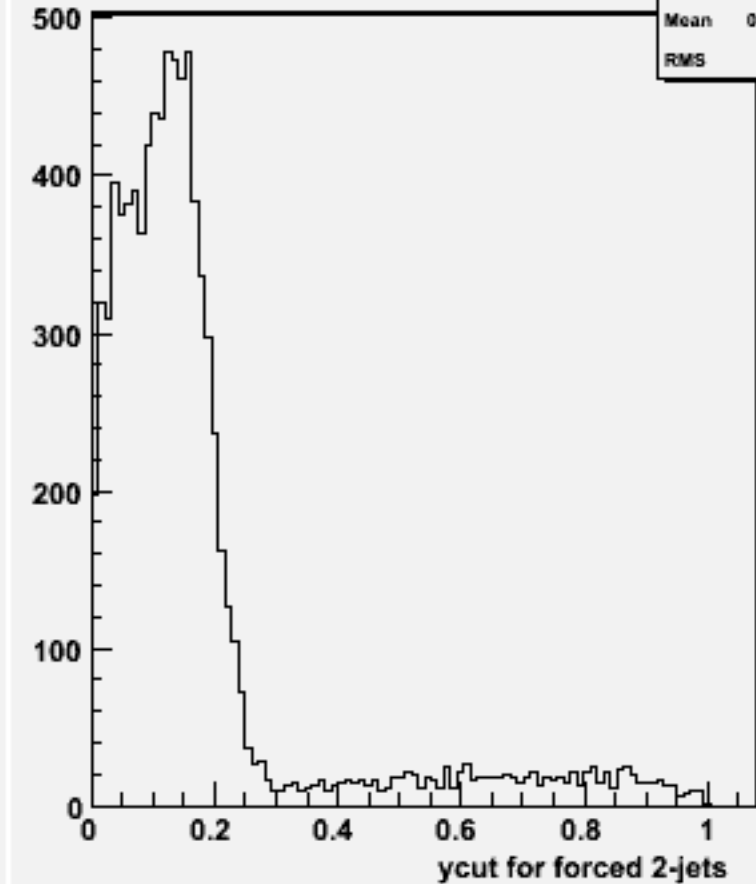
|         |       |
|---------|-------|
| Entries | 10000 |
| Mean    | 4.978 |
| RMS     | 1.19  |



Ycut for 2-jets :w101512 n3n3n1e1sc\_o

h\_yc2j

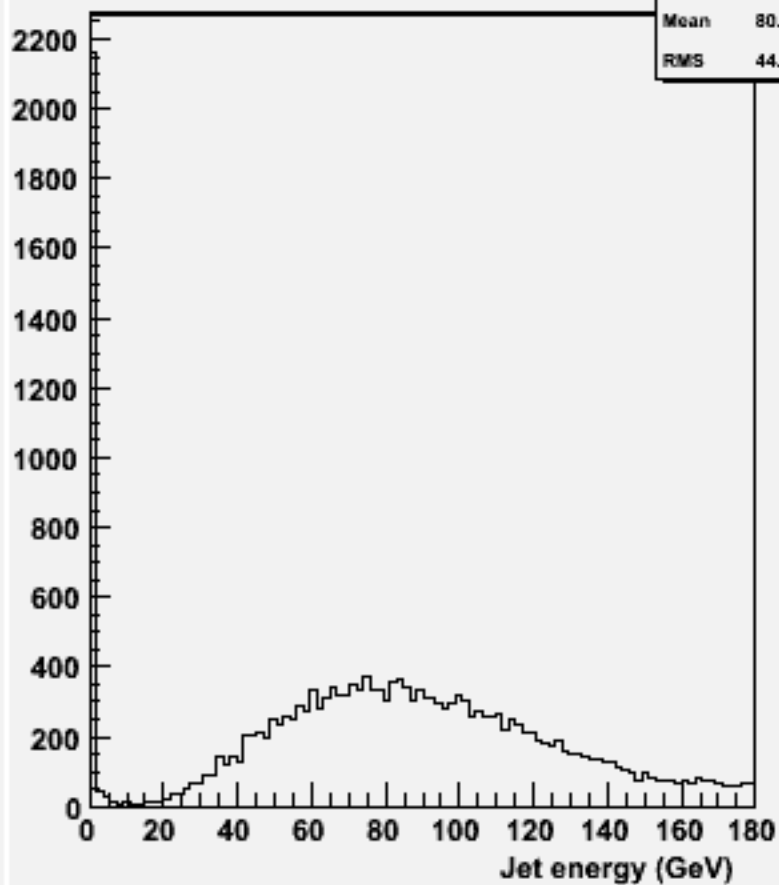
|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | 0.1774 |
| RMS     | 0.193  |



energy for 2-jets :w101512 n3n3n1e1sc\_o

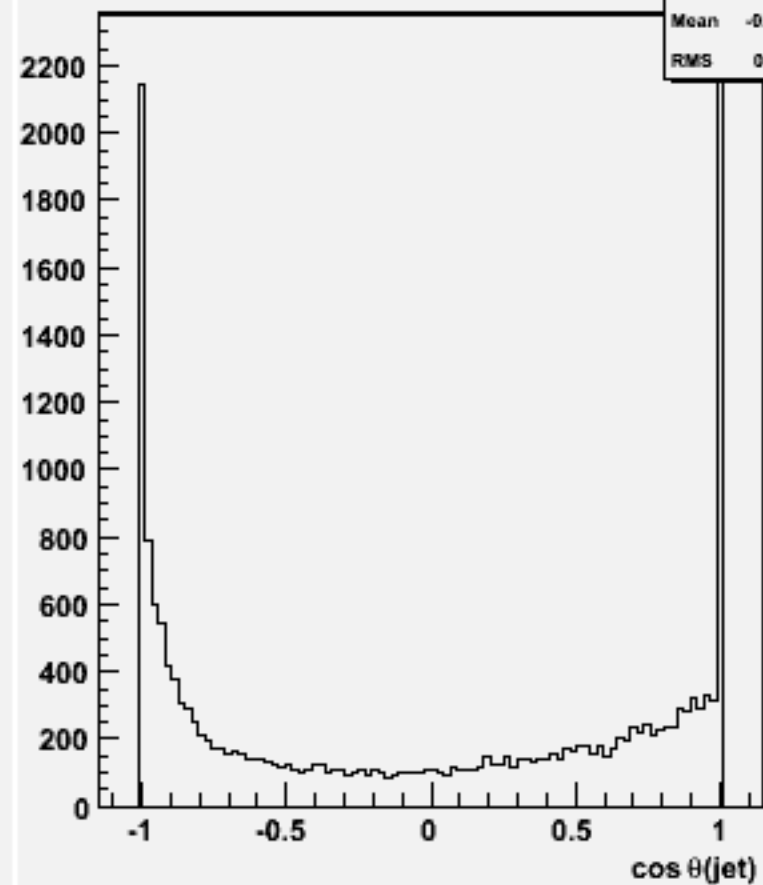
h\_j0e

|         |       |
|---------|-------|
| Entries | 20000 |
| Mean    | 80.26 |
| RMS     | 44.04 |

cos  $\theta$  for 2-jets :w101512 n3n3n1e1sc\_o

h\_j0cs

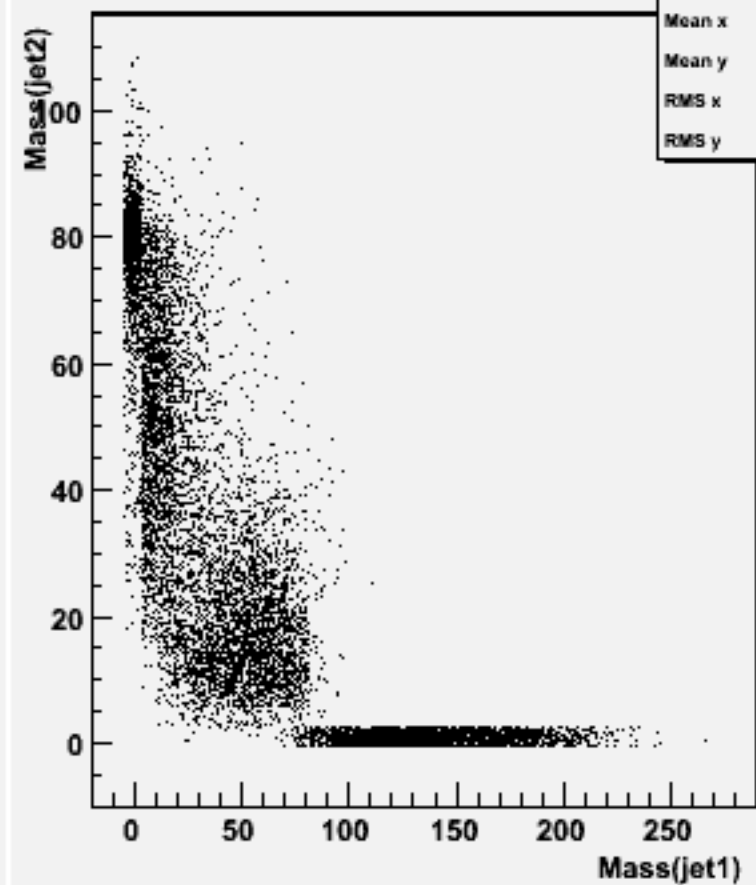
|         |         |
|---------|---------|
| Entries | 20000   |
| Mean    | -0.0284 |
| RMS     | 0.7684  |



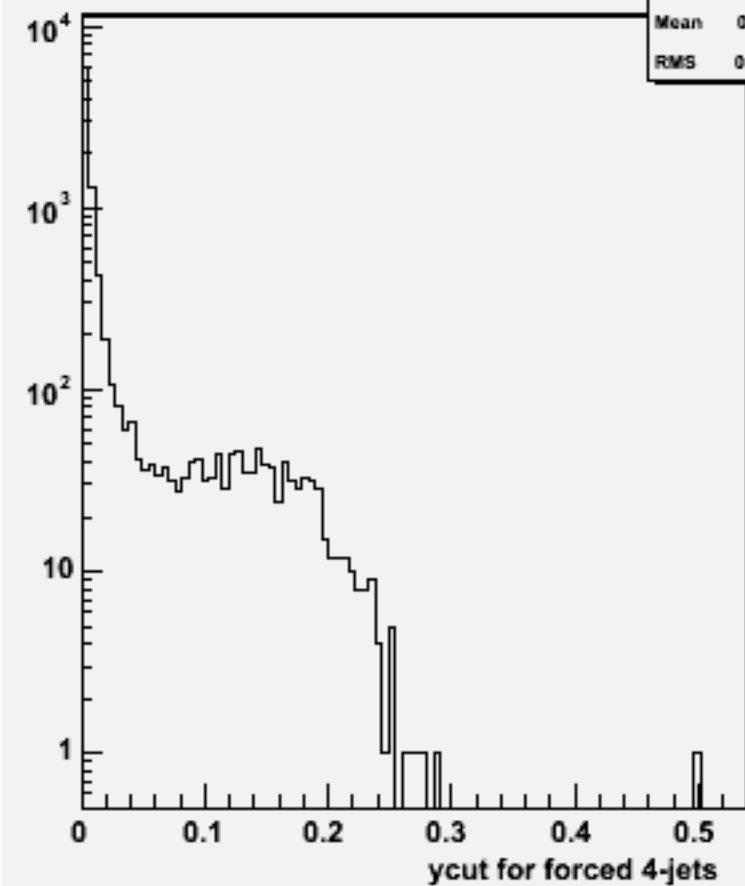
Jet mass for forced 2-jets : w101512 n3n3n1e1sc\_o

h\_j0mj1m

|         |       |
|---------|-------|
| Entries | 10000 |
| Mean x  | 52.6  |
| Mean y  | 34.18 |
| RMS x   | 54.95 |
| RMS y   | 30.39 |

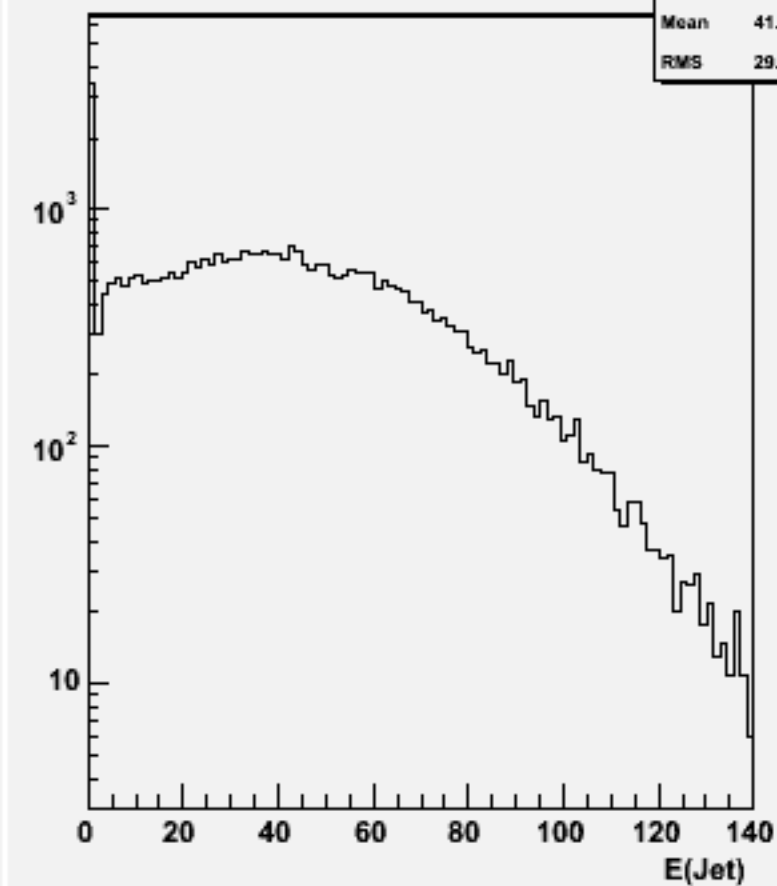


Ycut for 4-jets :w101512 n3n3n1e1sc\_o

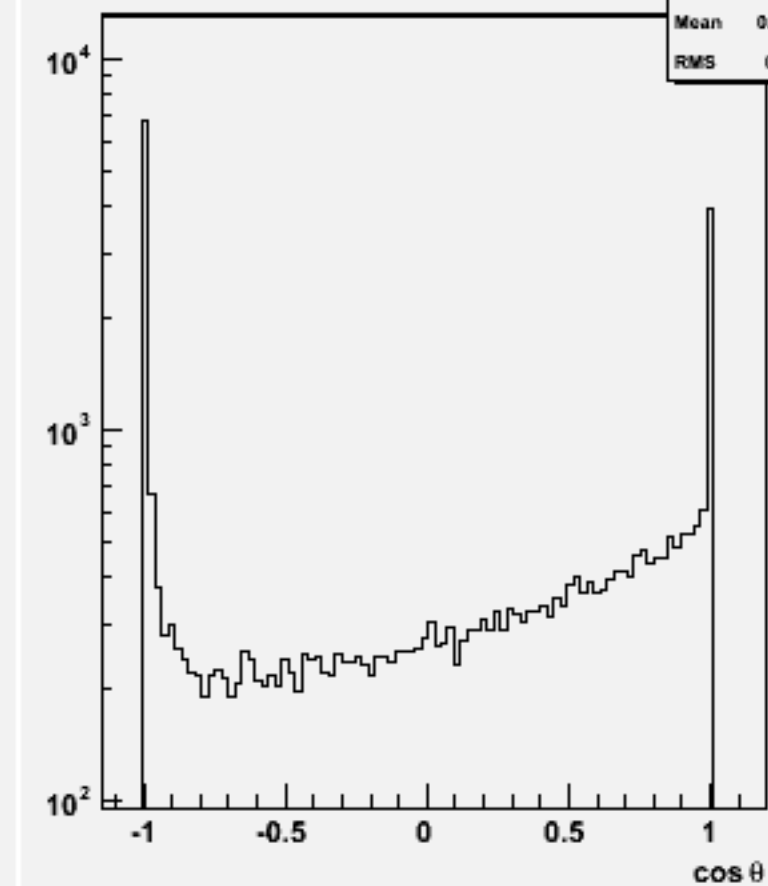


| h_yc4j  |         |
|---------|---------|
| Entries | 9217    |
| Mean    | 0.01986 |
| RMS     | 0.04384 |

Jet energies(All jets)w101512 n3n3n1e1sc\_o

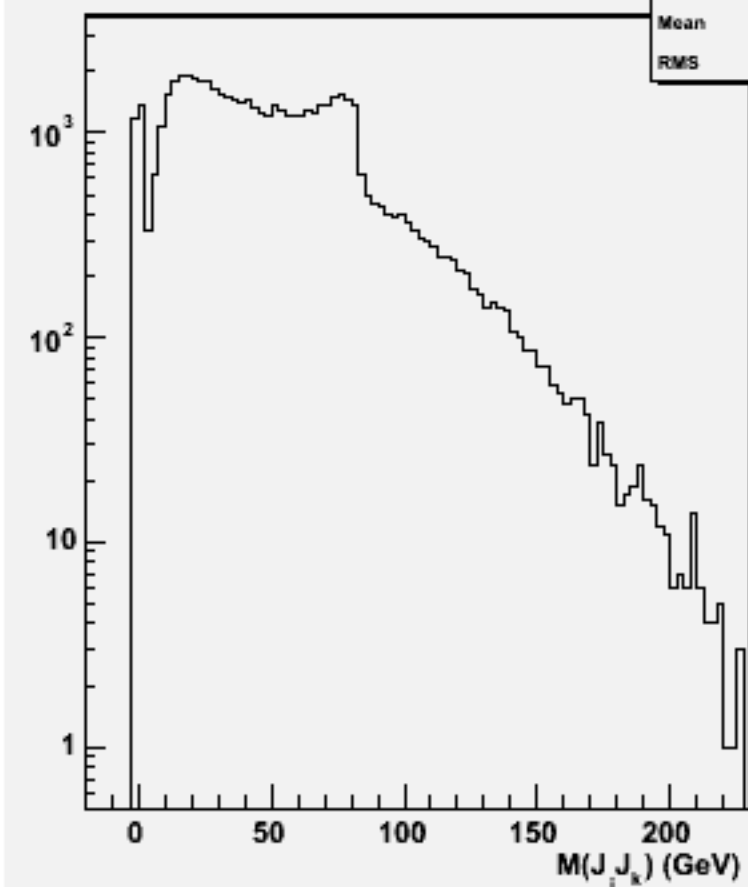


| ha_j0e  |       |
|---------|-------|
| Entries | 36868 |
| Mean    | 41.75 |
| RMS     | 29.39 |

Jet cos  $\theta$  (All jets)w101512 n3n3n1e1sc\_o

| ha_j0cs |         |
|---------|---------|
| Entries | 36868   |
| Mean    | 0.01579 |
| RMS     | 0.7475  |

2jets mass(All comb)w101512 n3n3n1e1sc\_o



| ha_m01  |       |
|---------|-------|
| Entries | 55302 |
| Mean    | 50.57 |
| RMS     | 34.94 |