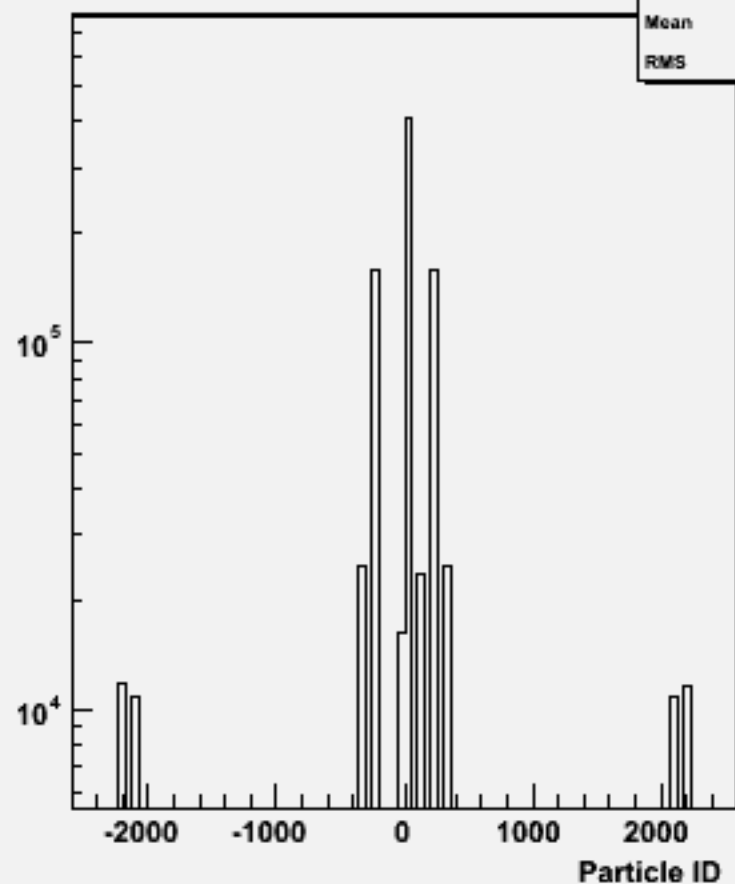


# Generator file information: w103228 e1a\_e1cssc\_o

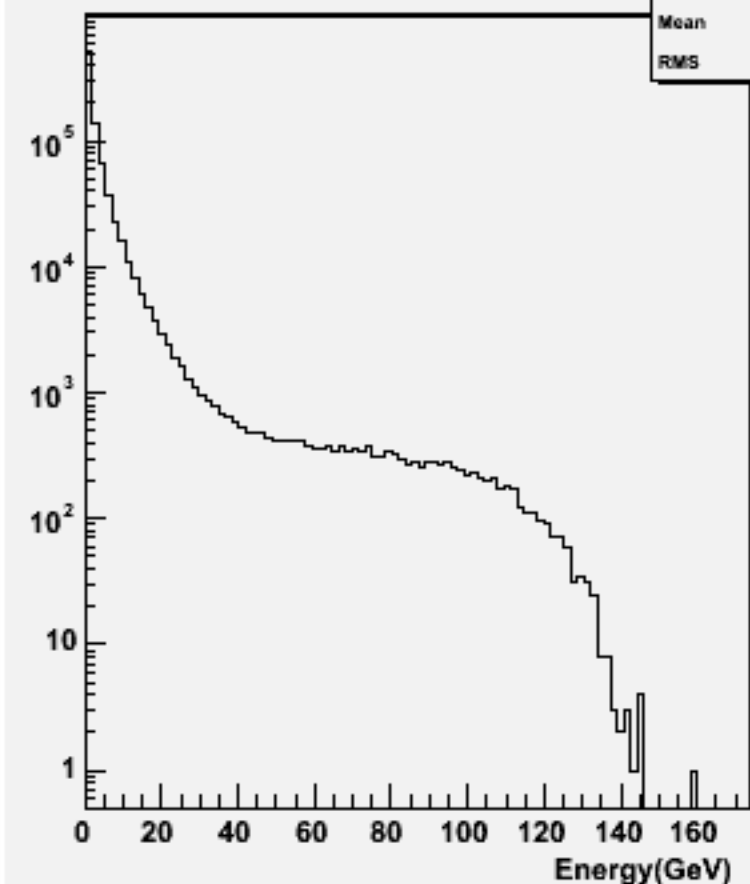
process\_id=w103228  
job\_date\_time=100729-063029  
process\_name=e1a\_e1cssc\_o  
CM\_energy\_in\_GeV=350  
program\_name\_version=whizard-1.40  
beam\_particle1=e1  
beam\_particle2=E1  
polarization1=+1.0  
polarization2=0.0  
luminosity=1000  
cross\_section\_in\_fb=5.83604687908601  
lumi\_file=/tmp/lumi\_linker\_directory/lumi\_linker\_008  
file\_type=stdhep  
total\_number\_of\_events=10000  
number\_of\_files=1  
file\_names=w103228\_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/w103228/run\\_01](http://www-jlc.in.kek.jp/~miyamoto/CDS/0350/run_output/w103228/run_01)  
comment=

Particle ID : w103228 e1a\_e1cssc\_o



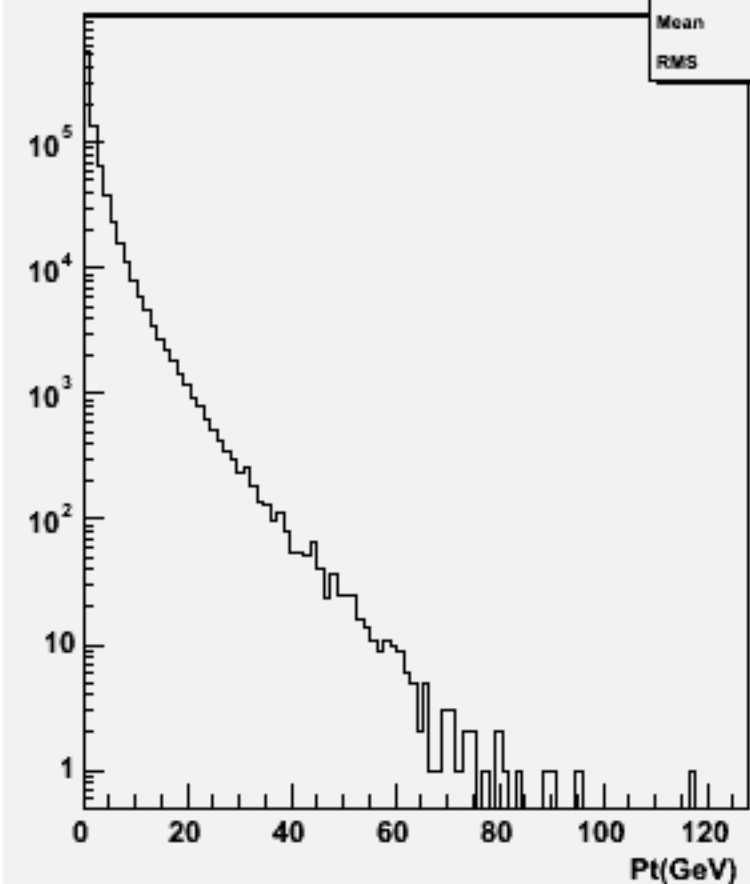
| h_id    |        |
|---------|--------|
| Entries | 854211 |
| Mean    | 13.64  |
| RMS     | 521    |

Particle Energy : w103228 e1a\_e1cssc\_o

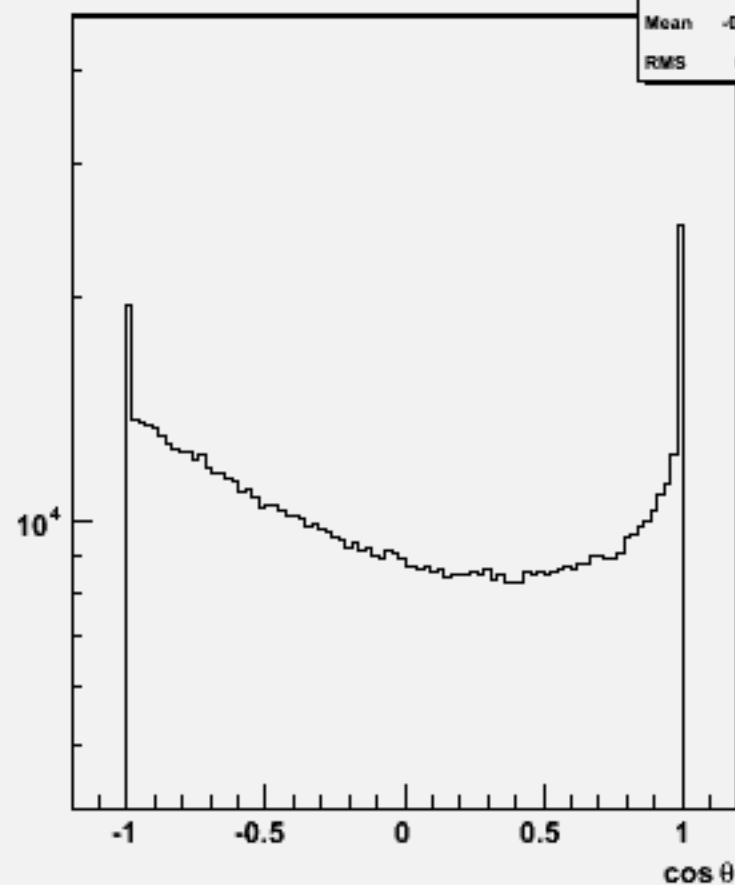


| h_e     |        |
|---------|--------|
| Entries | 854211 |
| Mean    | 4.071  |
| RMS     | 10.73  |

Particle Pt : w103228 e1a\_e1cssc\_o

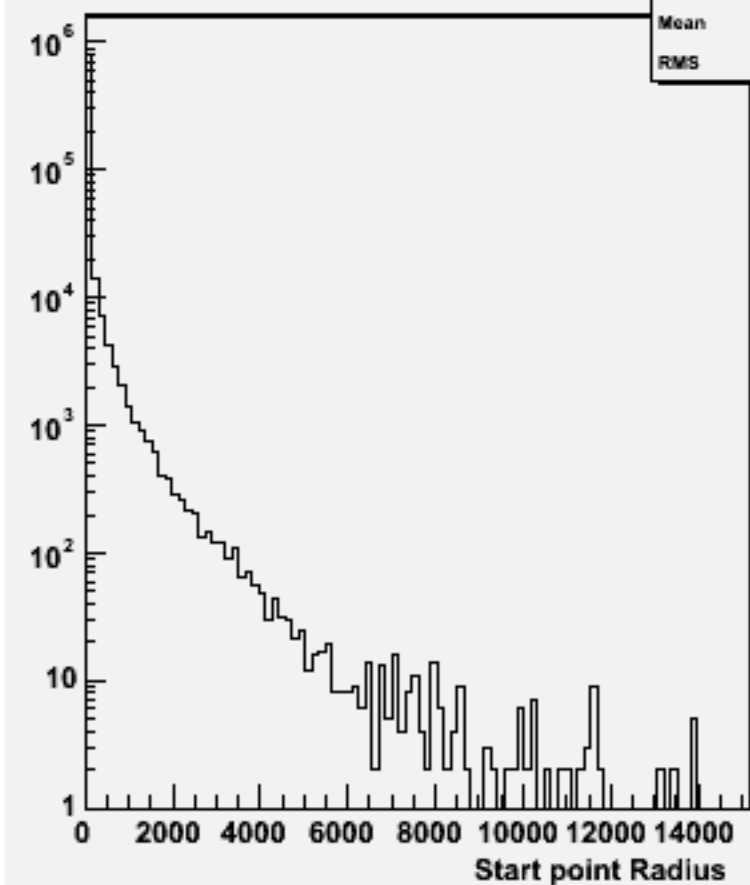


| h_pt    |        |
|---------|--------|
| Entries | 854211 |
| Mean    | 2.061  |
| RMS     | 3.611  |

Particle cos $\theta$  : w103228 e1a\_e1cssc\_o

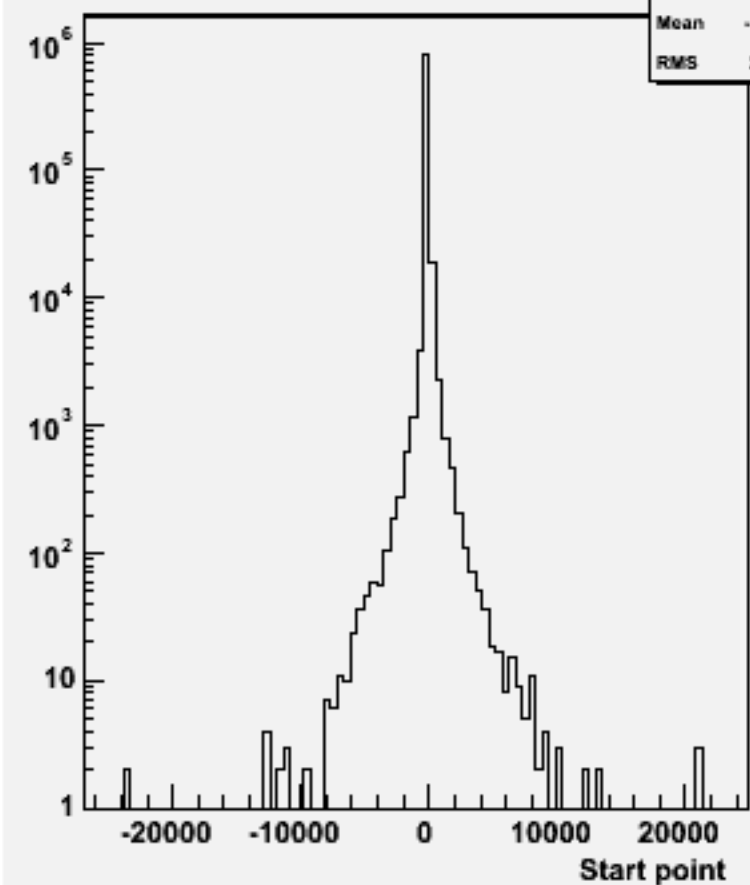
| h_cs    |          |
|---------|----------|
| Entries | 854211   |
| Mean    | -0.04881 |
| RMS     | 0.6205   |

Start point R : w103228 e1a\_e1cssc\_o

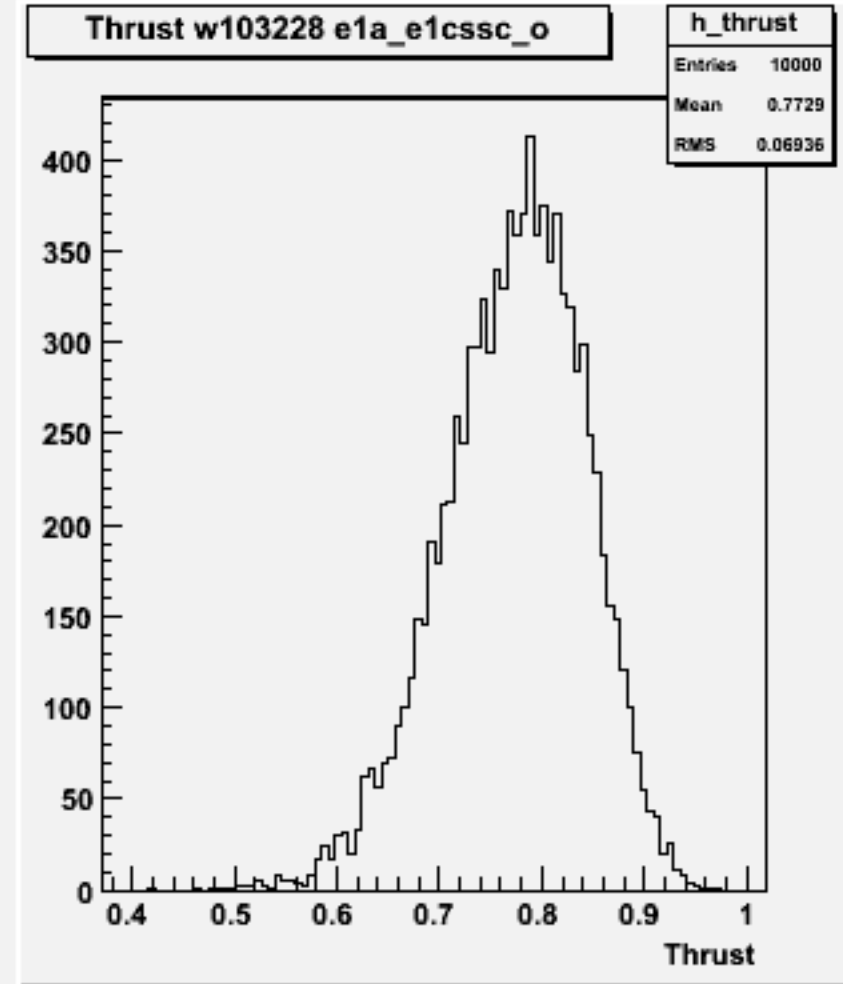
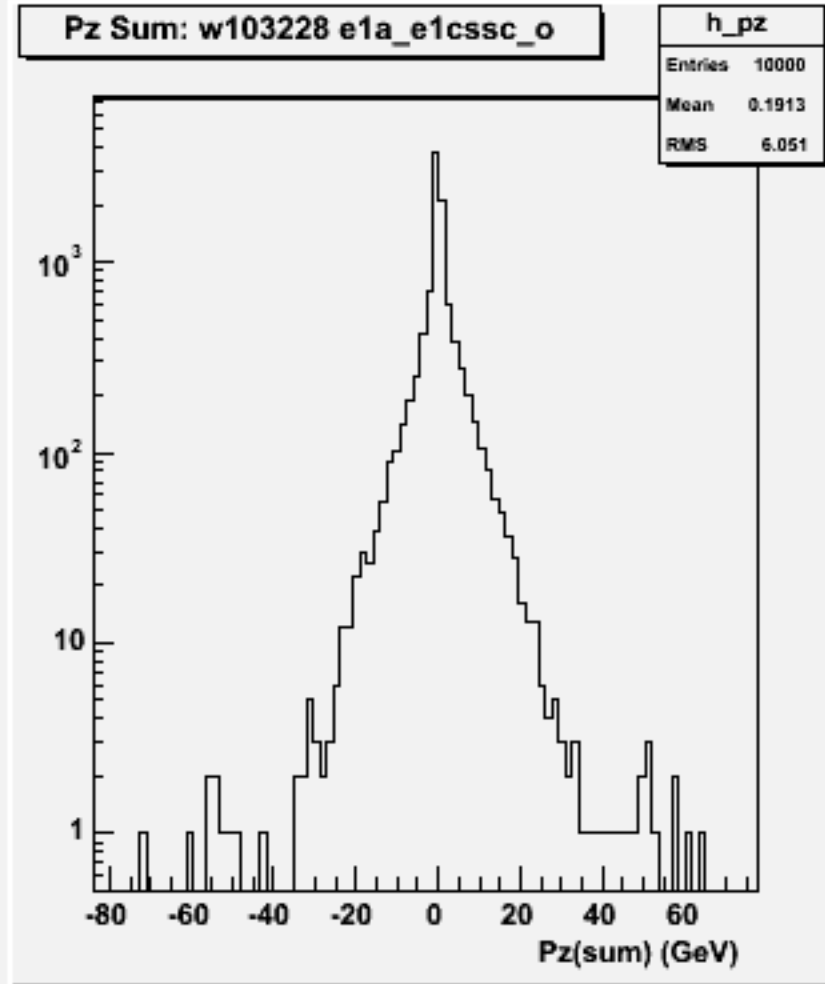
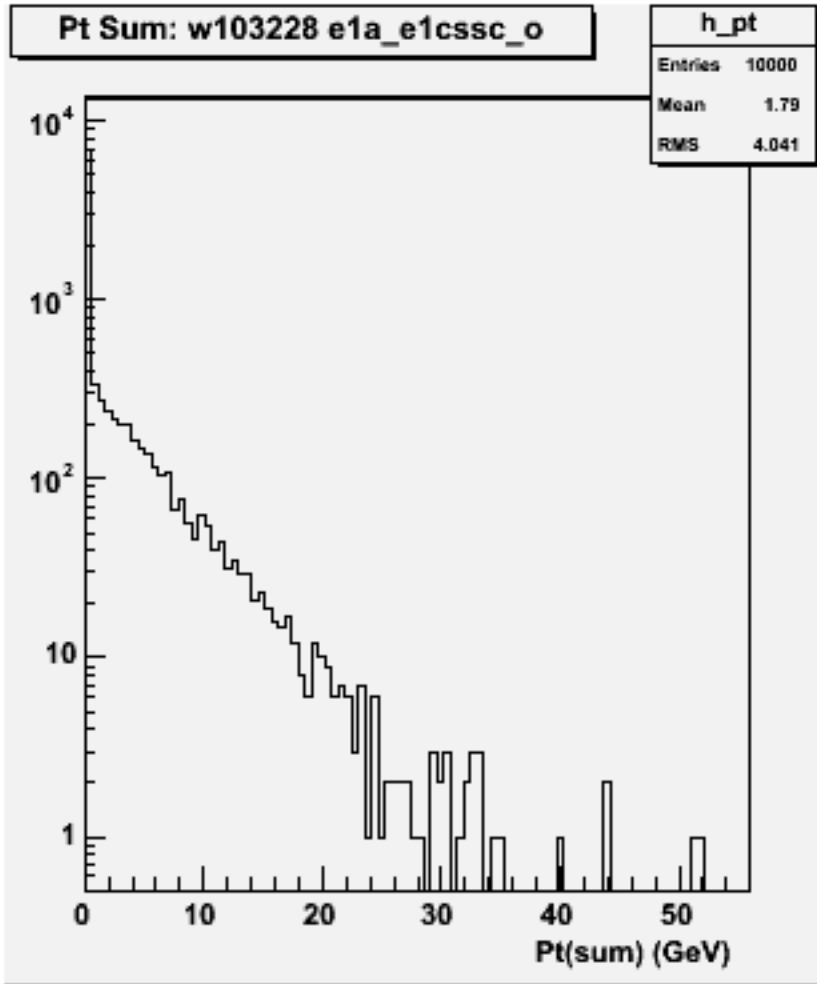
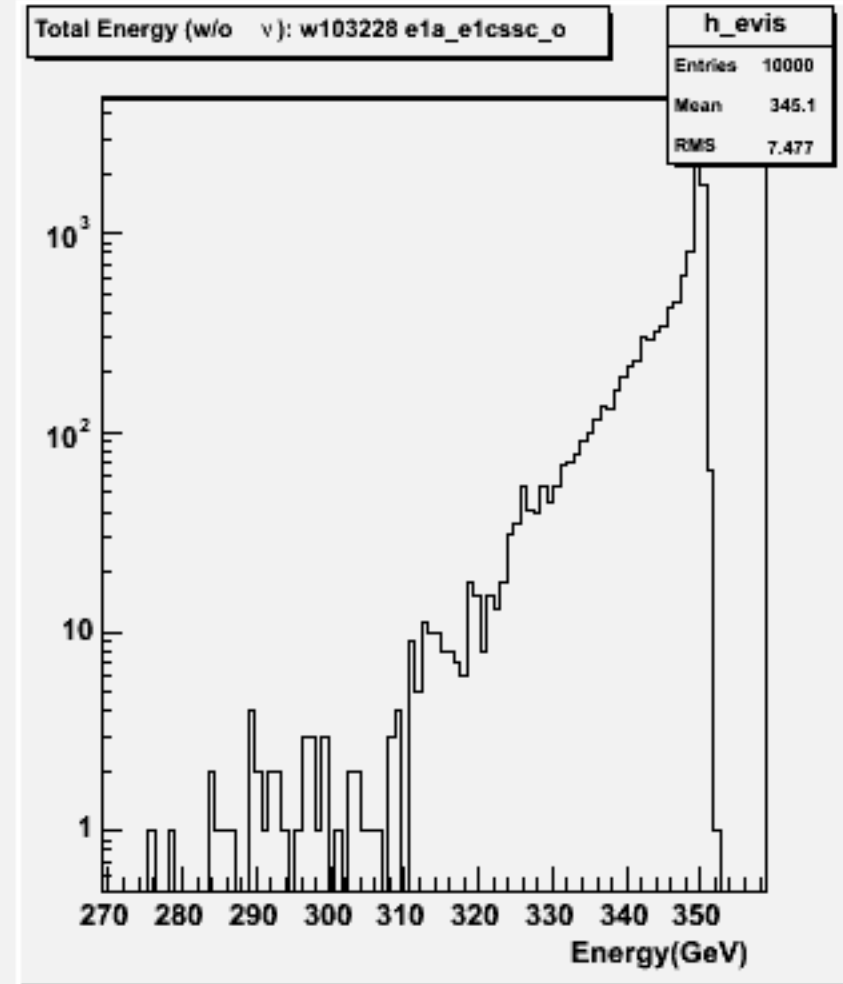
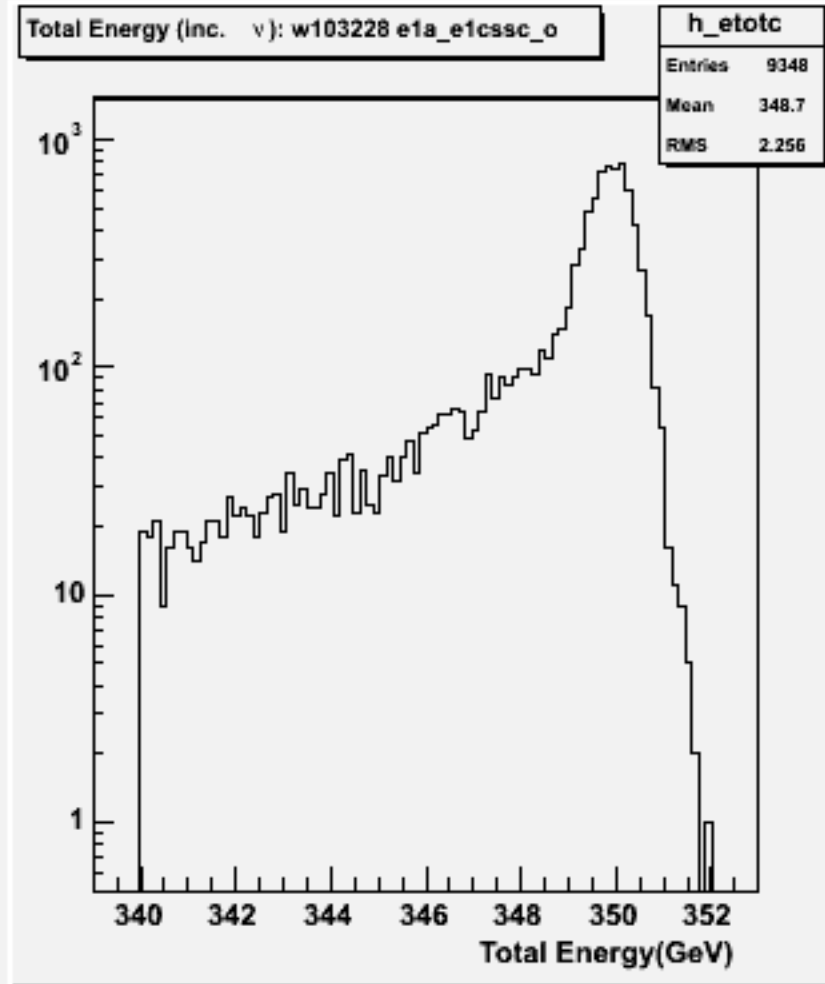
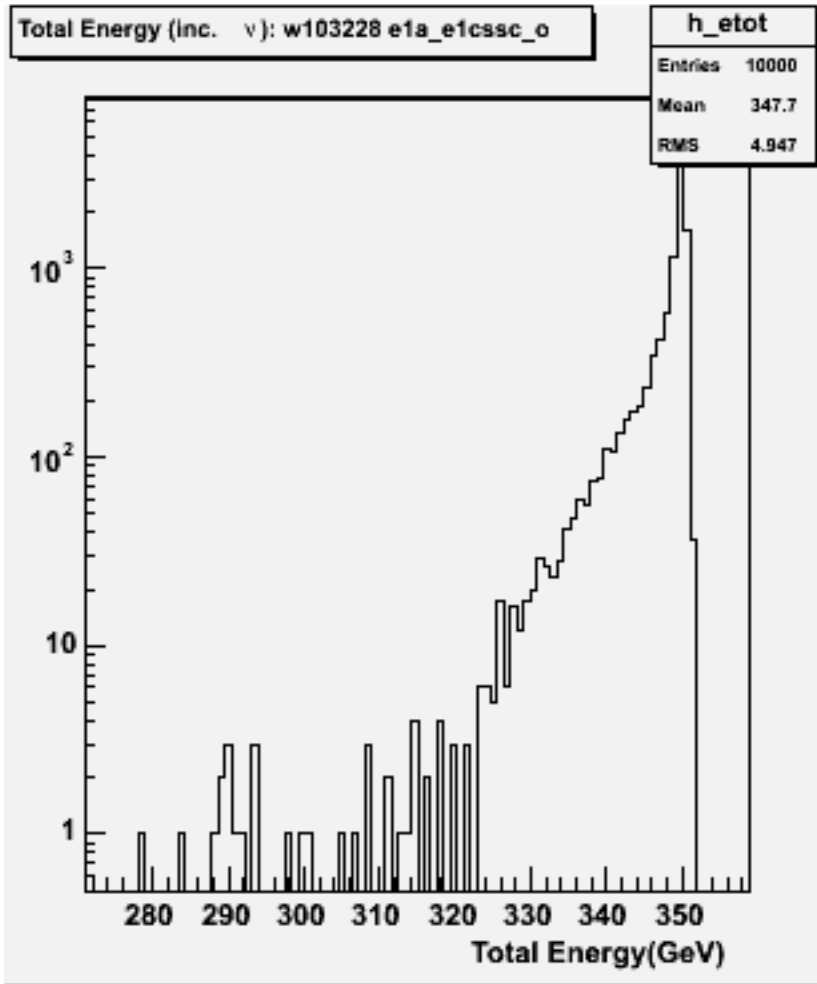


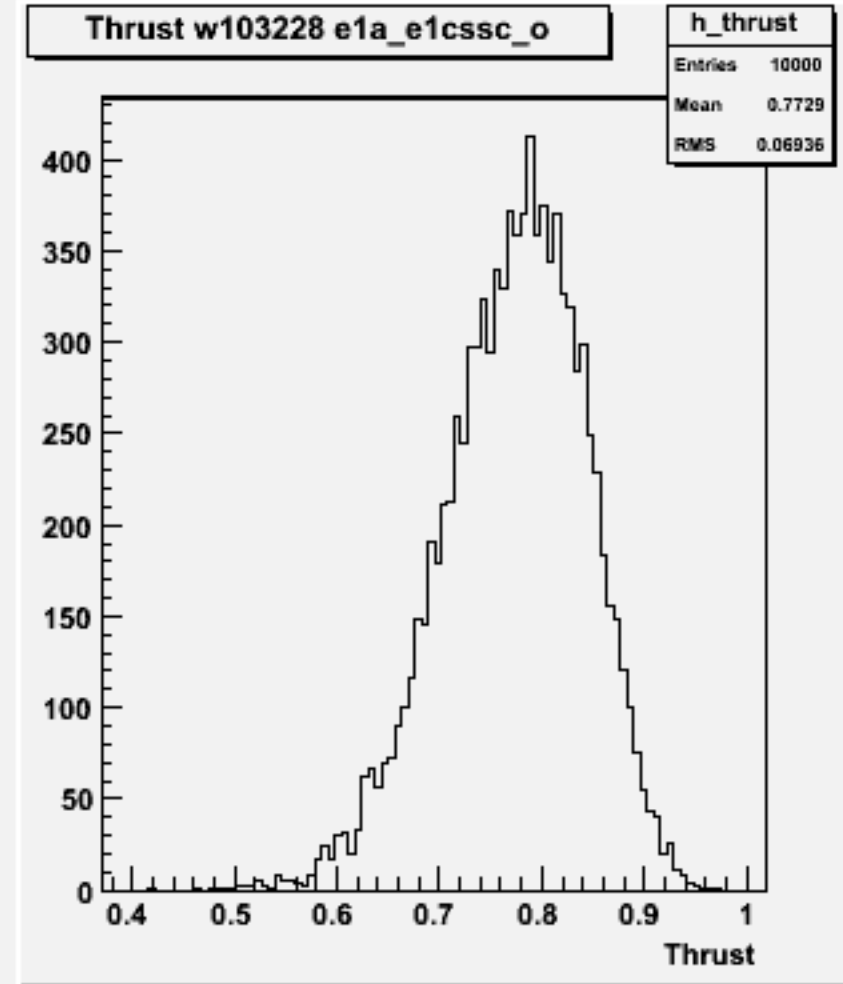
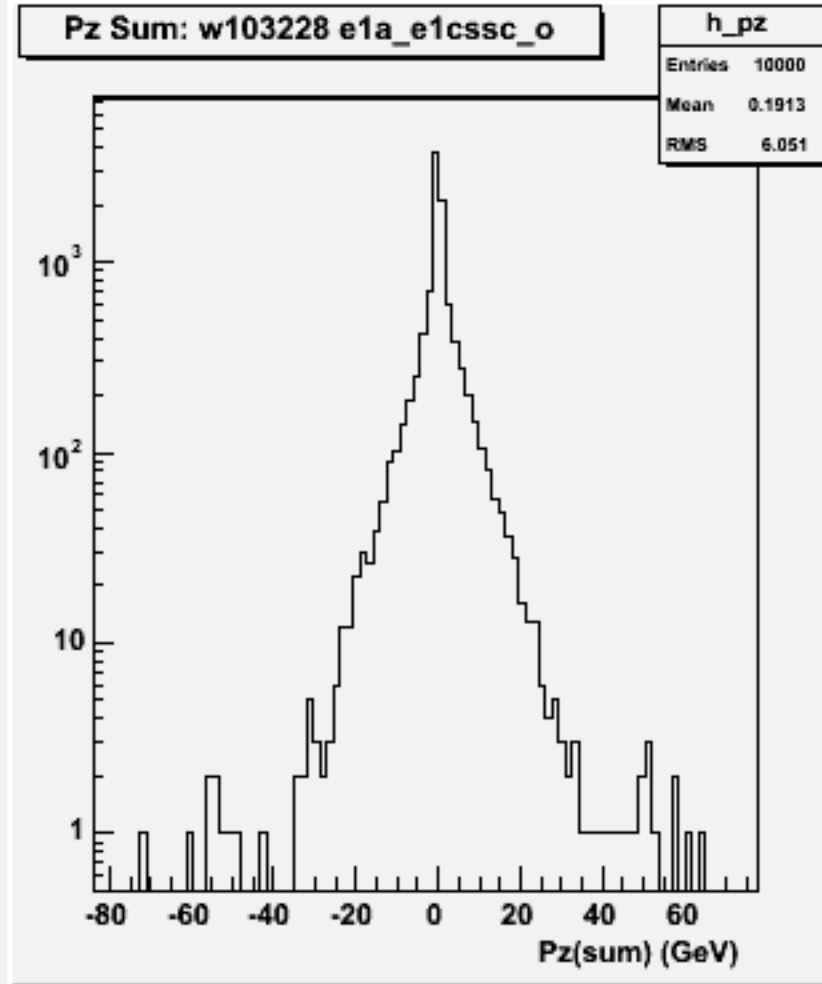
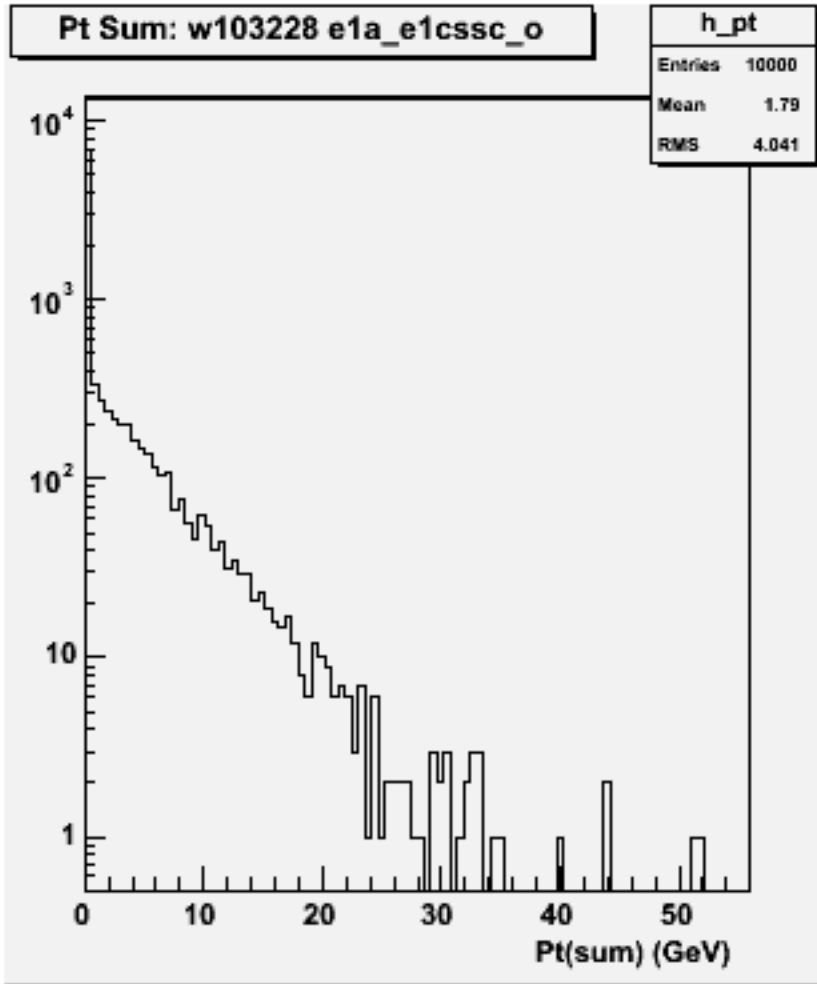
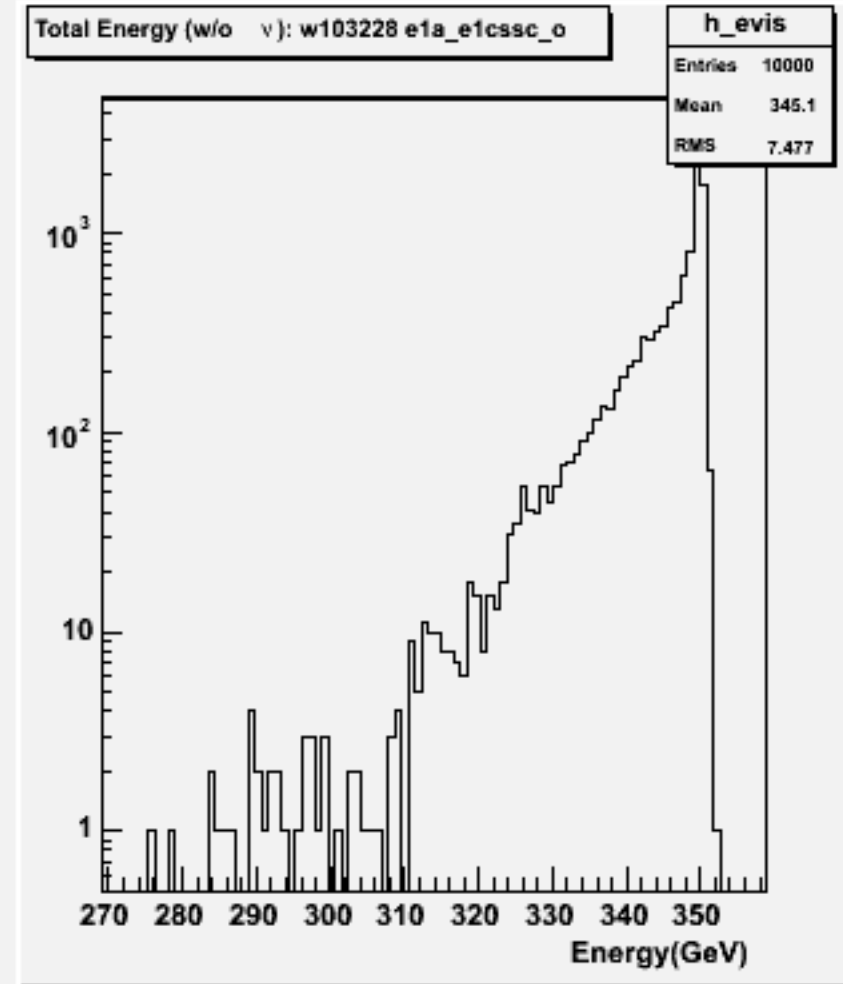
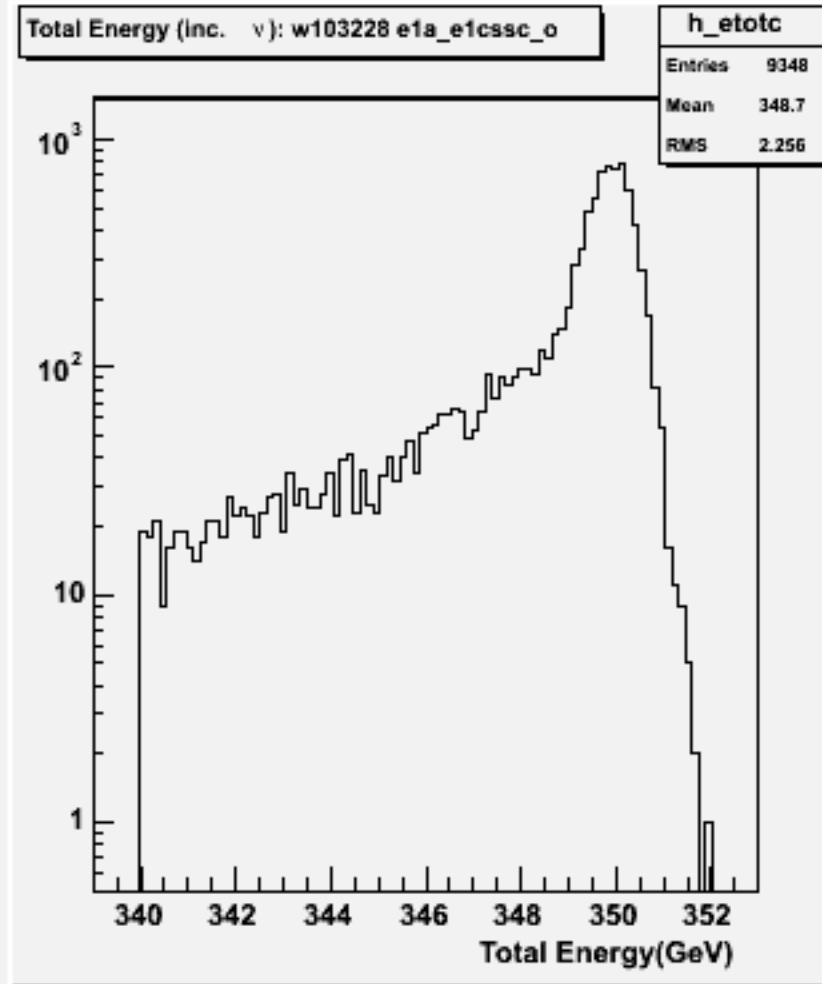
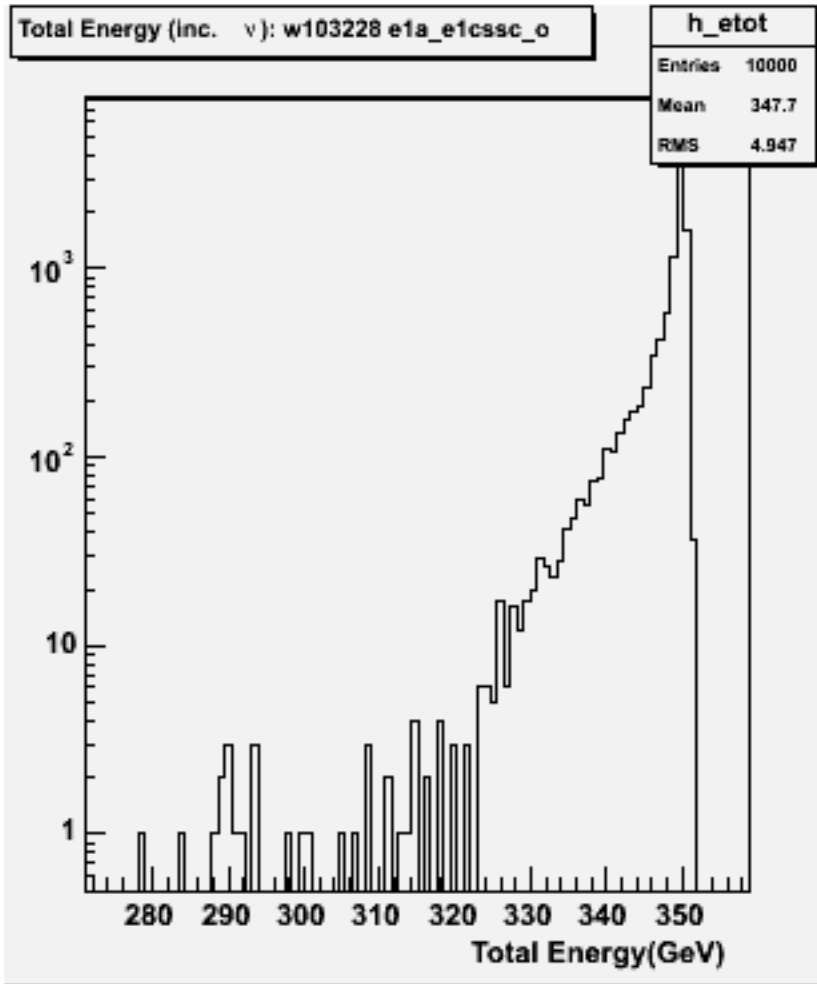
| h_vr    |        |
|---------|--------|
| Entries | 854211 |
| Mean    | 34.92  |
| RMS     | 241.8  |

Start point Z : w103228 e1a\_e1cssc\_o



| h_vz    |        |
|---------|--------|
| Entries | 854211 |
| Mean    | -3.556 |
| RMS     | 204.3  |

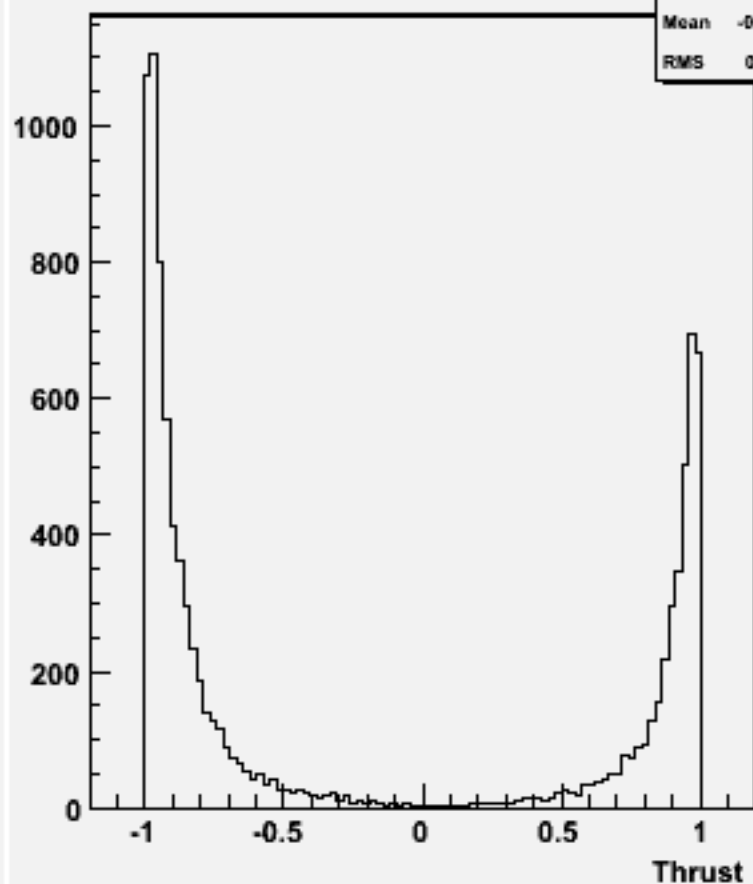




cos  $\Theta$ (thrust) w103228 e1a\_e1cssc\_o

h\_csth

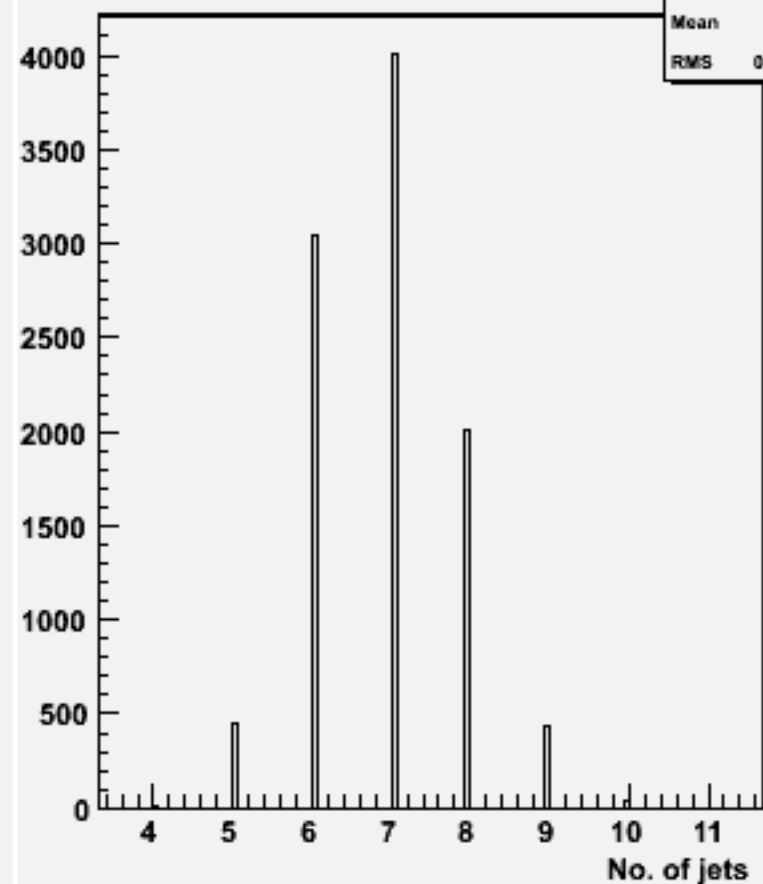
|         |         |
|---------|---------|
| Entries | 10000   |
| Mean    | -0.2043 |
| RMS     | 0.8645  |



No. jets (ycut=0.001) : w103228 e1a\_e1cssc\_o

h\_njets

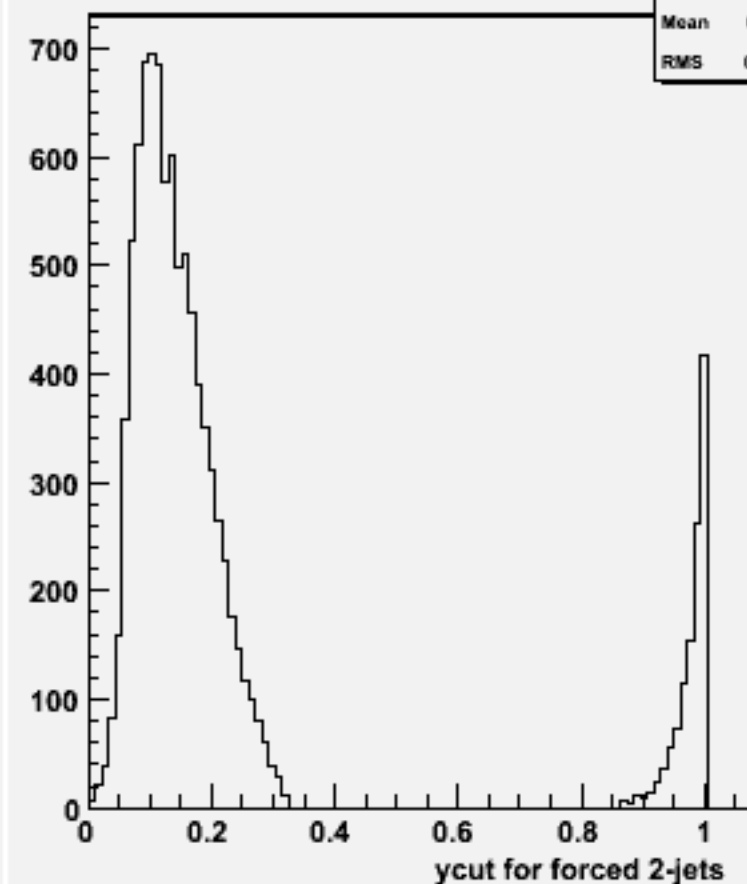
|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | 6.902  |
| RMS     | 0.9492 |



Ycut for 2-jets :w103228 e1a\_e1cssc\_o

h\_yc2j

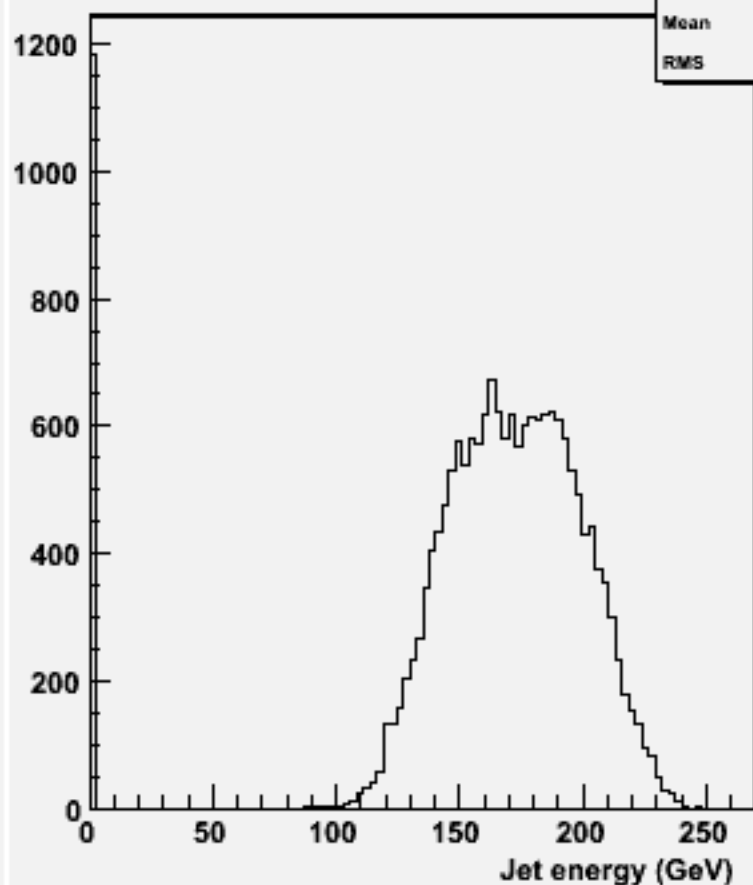
|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | 0.2371 |
| RMS     | 0.2767 |



energy for 2-jets :w103228 e1a\_e1cssc\_o

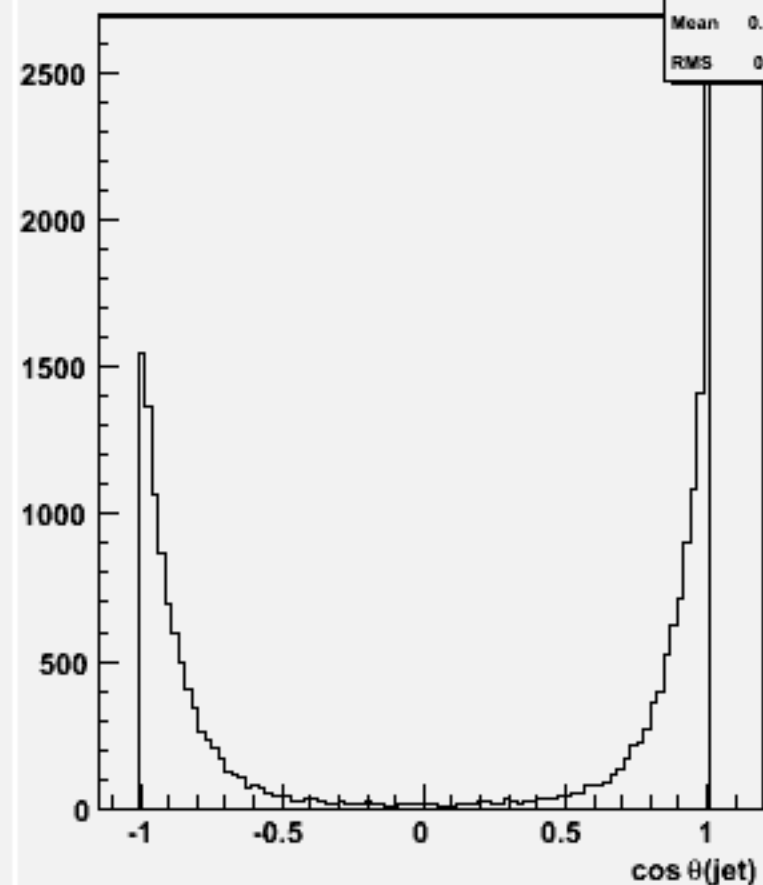
h\_j0e

|         |       |
|---------|-------|
| Entries | 20000 |
| Mean    | 161.7 |
| RMS     | 48.85 |

cos $\theta$  for 2-jets :w103228 e1a\_e1cssc\_o

h\_j0cs

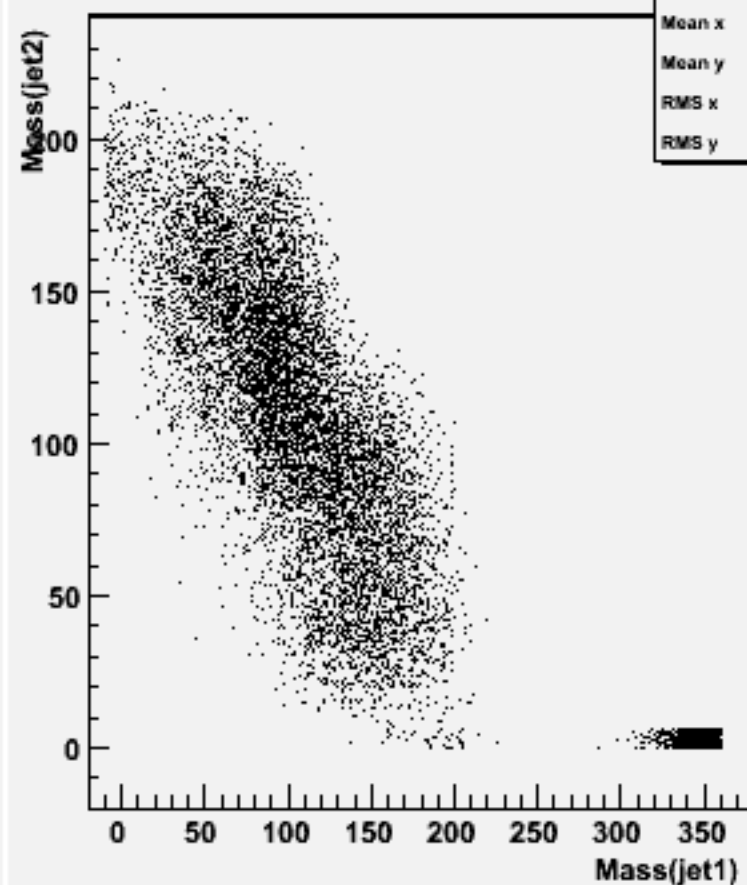
|         |         |
|---------|---------|
| Entries | 20000   |
| Mean    | 0.06111 |
| RMS     | 0.8846  |



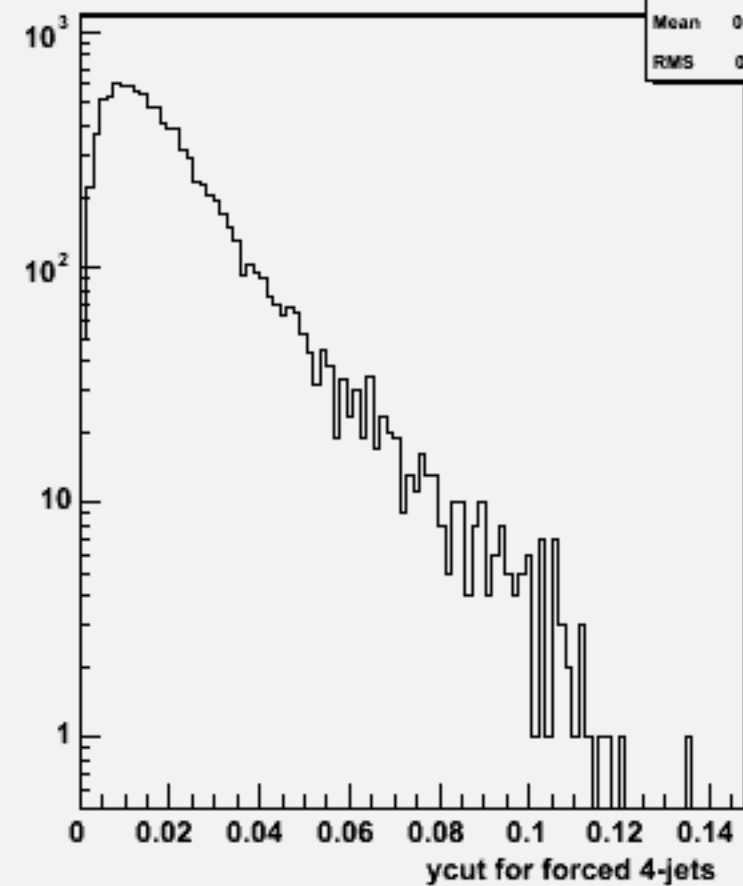
Jet mass for forced 2-jets : w103228 e1a\_e1cssc\_o

h\_j0mj1m

|         |       |
|---------|-------|
| Entries | 10000 |
| Mean x  | 131.2 |
| Mean y  | 97.76 |
| RMS x   | 88.4  |
| RMS y   | 55.36 |

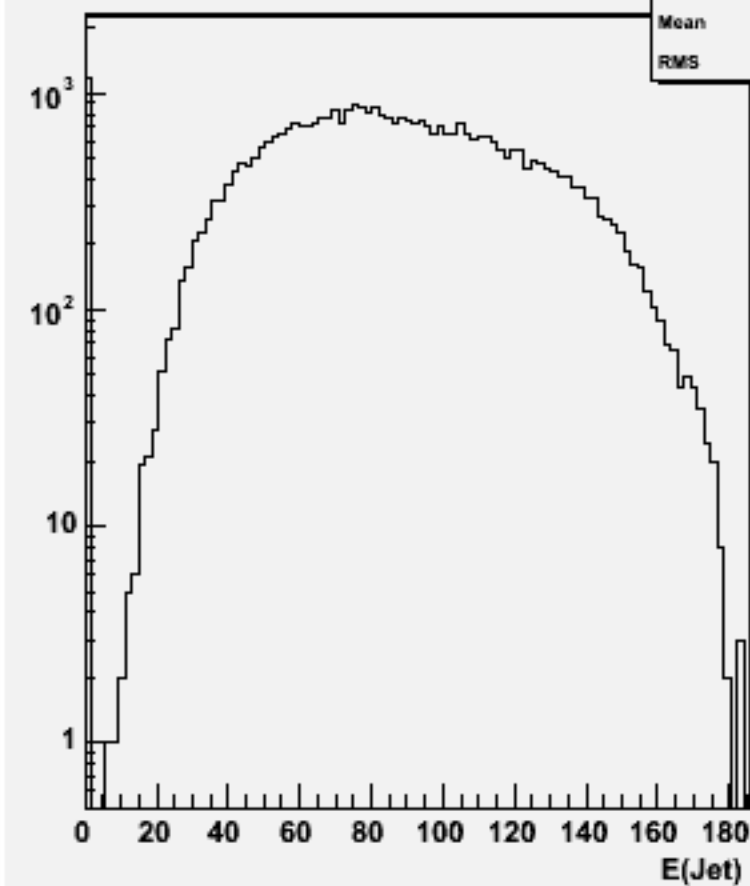


Ycut for 4-jets :w103228 e1a\_e1cssc\_o

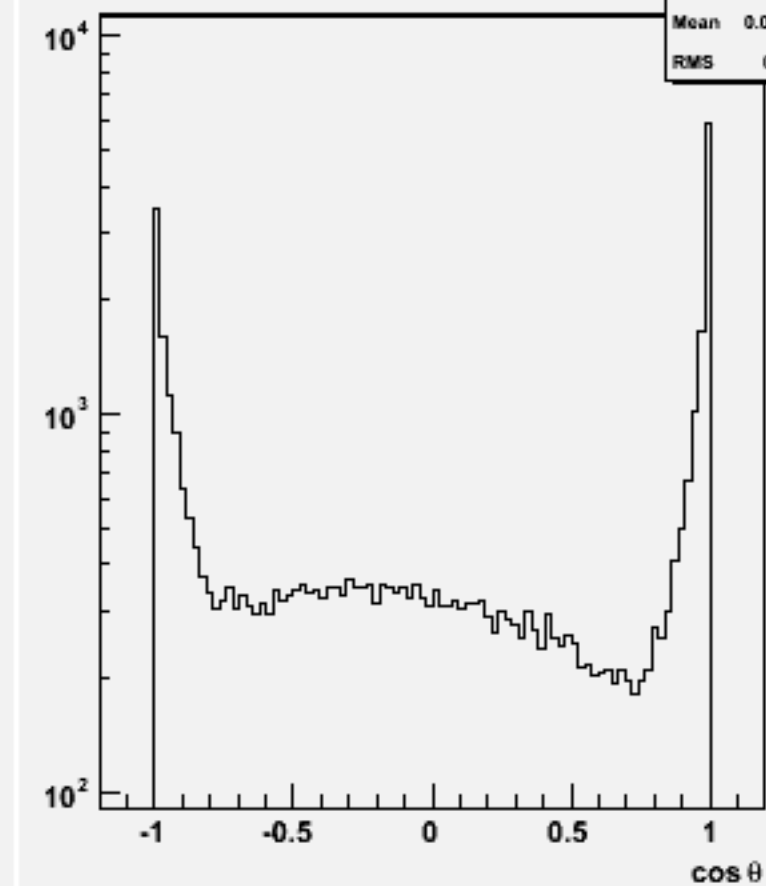


| h_yc4j  |         |
|---------|---------|
| Entries | 10000   |
| Mean    | 0.02055 |
| RMS     | 0.01652 |

Jet energies(All jets)w103228 e1a\_e1cssc\_o

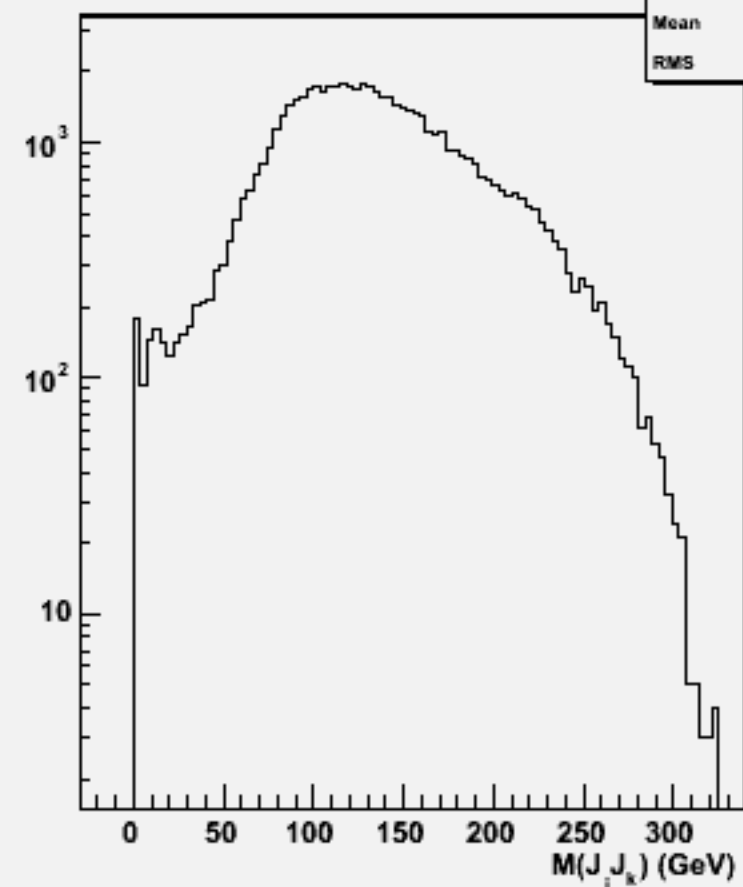


| ha_j0e  |       |
|---------|-------|
| Entries | 40000 |
| Mean    | 86.28 |
| RMS     | 35.38 |

Jet cos  $\theta$  (All jets)w103228 e1a\_e1cssc\_o

| ha_j0cs |          |
|---------|----------|
| Entries | 40000    |
| Mean    | 0.009086 |
| RMS     | 0.7493   |

2jets mass(All comb)w103228 e1a\_e1cssc\_o



| ha_m01  |       |
|---------|-------|
| Entries | 60000 |
| Mean    | 135.8 |
| RMS     | 54.12 |