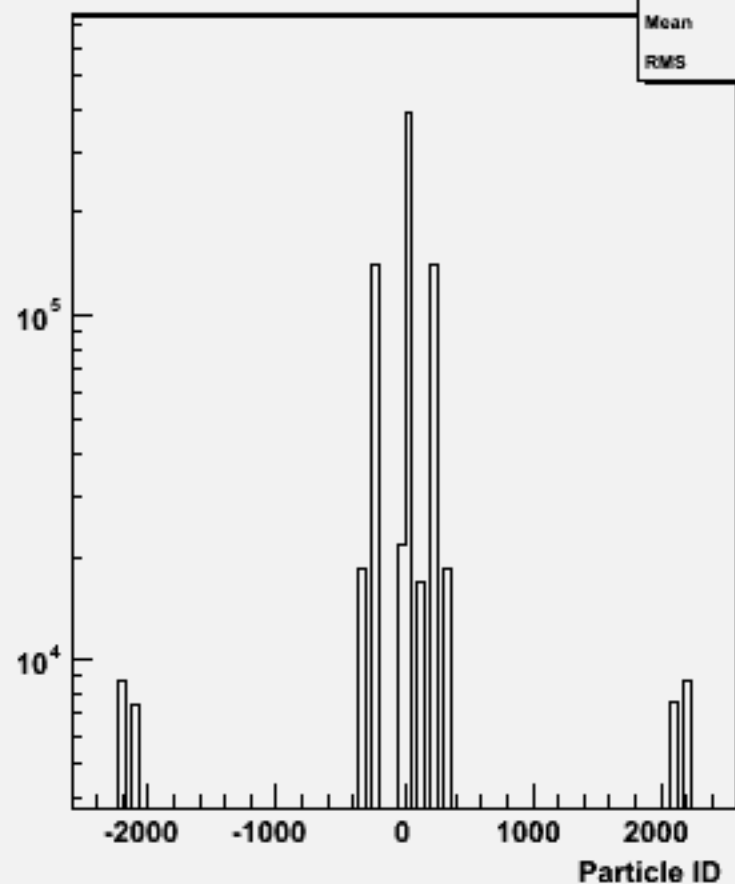


# Generator file information: w103840 ae1\_e1uubb\_o

process\_id=w103840  
job\_date\_time=100729-073836  
process\_name=ae1\_e1uubb\_o  
CM\_energy\_in\_GeV=350  
program\_name\_version=whizard-1.40  
beam\_particle1=e1  
beam\_particle2=E1  
polarization1=0.0  
polarization2=-1.0  
luminosity=1000  
cross\_section\_in\_fb=0.00939663375745693  
lumi\_file=/tmp/lumi\_linker\_directory/lumi\_linker\_008  
file\_type=stdhep  
total\_number\_of\_events=10000  
number\_of\_files=1  
file\_names=w103840\_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/w103840/run\\_01](http://www-jlc.in.kek.jp/~miyamoto/CDS/0350/run_output/w103840/run_01)  
comment=

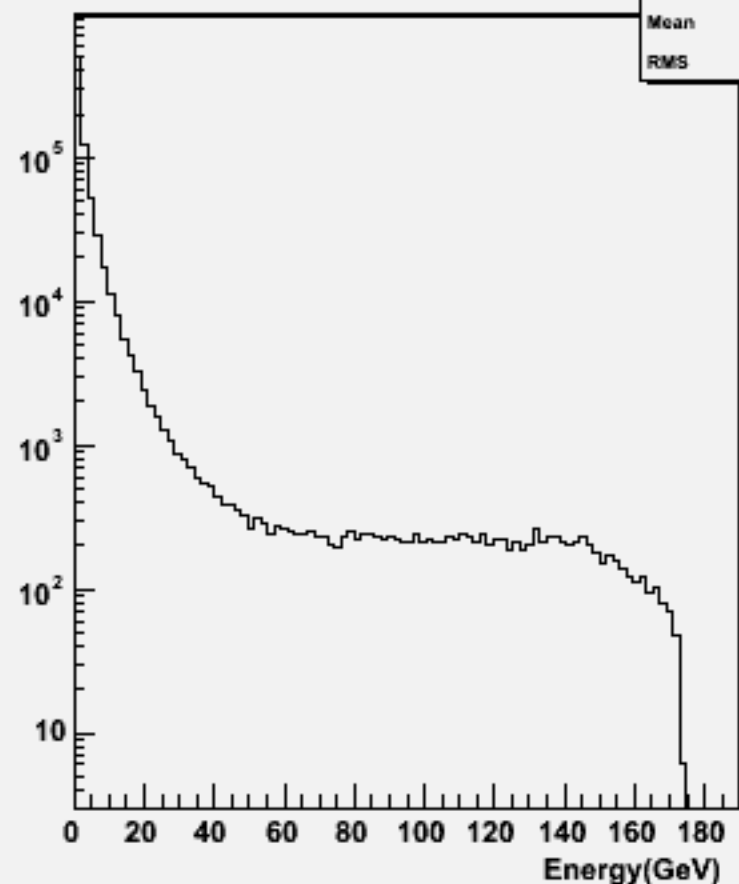
Particle ID : w103840 ae1\_e1uubb\_o



h\_id

|         |        |
|---------|--------|
| Entries | 776441 |
| Mean    | 13.22  |
| RMS     | 465.9  |

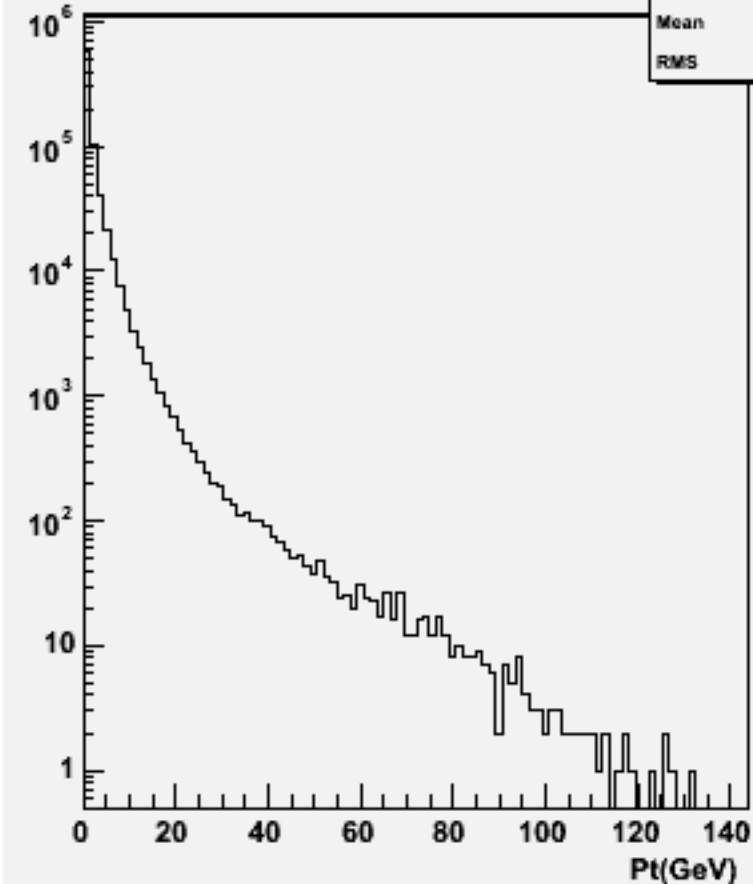
Particle Energy : w103840 ae1\_e1uubb\_o



h\_e

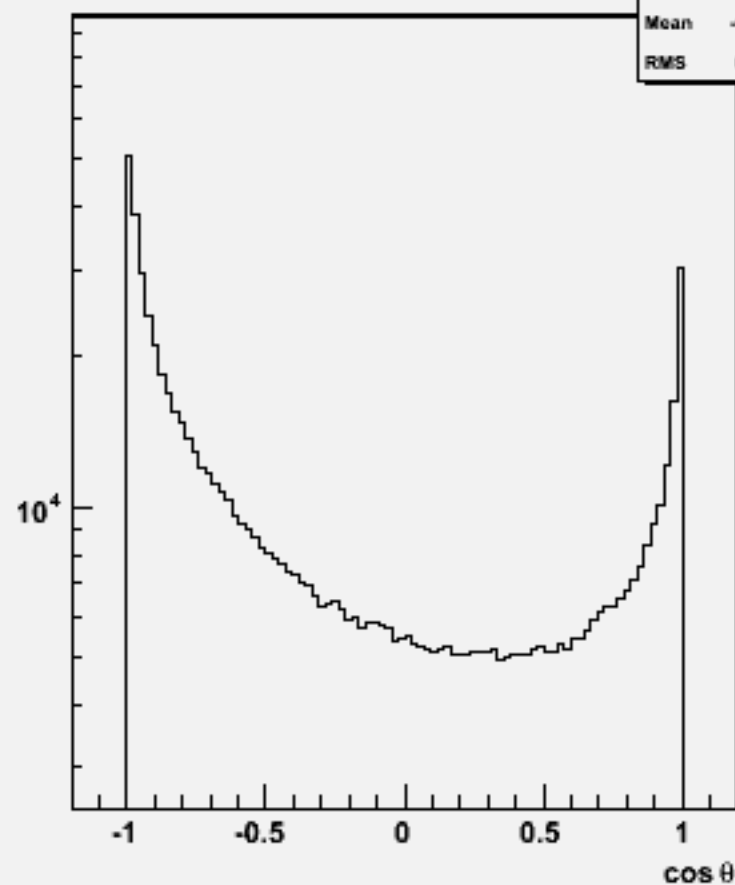
|         |        |
|---------|--------|
| Entries | 776441 |
| Mean    | 4.473  |
| RMS     | 14.74  |

Particle Pt : w103840 ae1\_e1uubb\_o



h\_pt

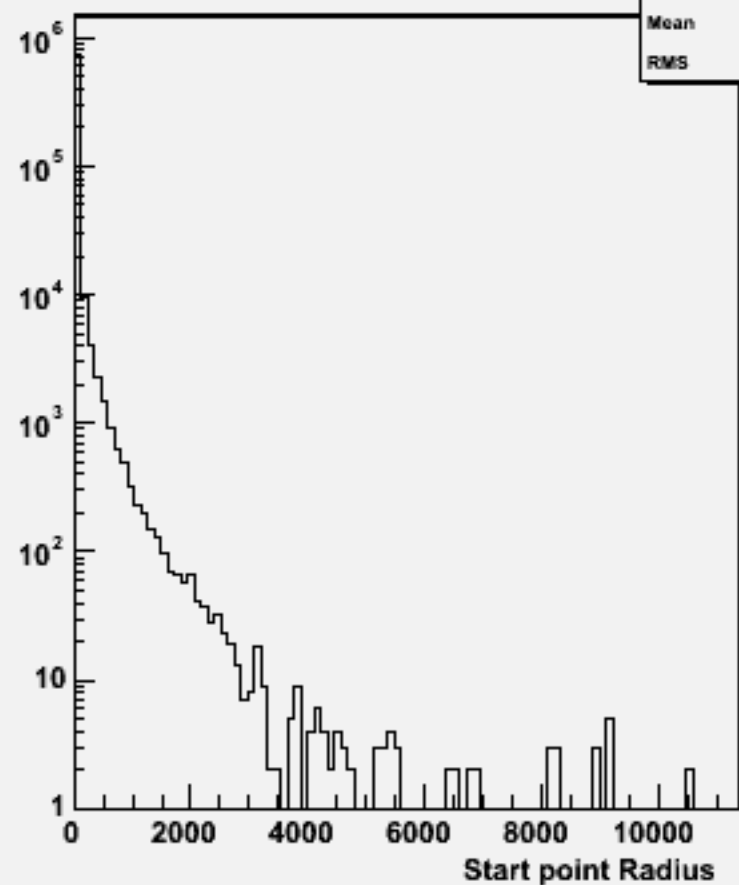
|         |        |
|---------|--------|
| Entries | 776441 |
| Mean    | 1.539  |
| RMS     | 3.466  |

Particle cos $\theta$  : w103840 ae1\_e1uubb\_o

h\_cs

|         |         |
|---------|---------|
| Entries | 776441  |
| Mean    | -0.2072 |
| RMS     | 0.6865  |

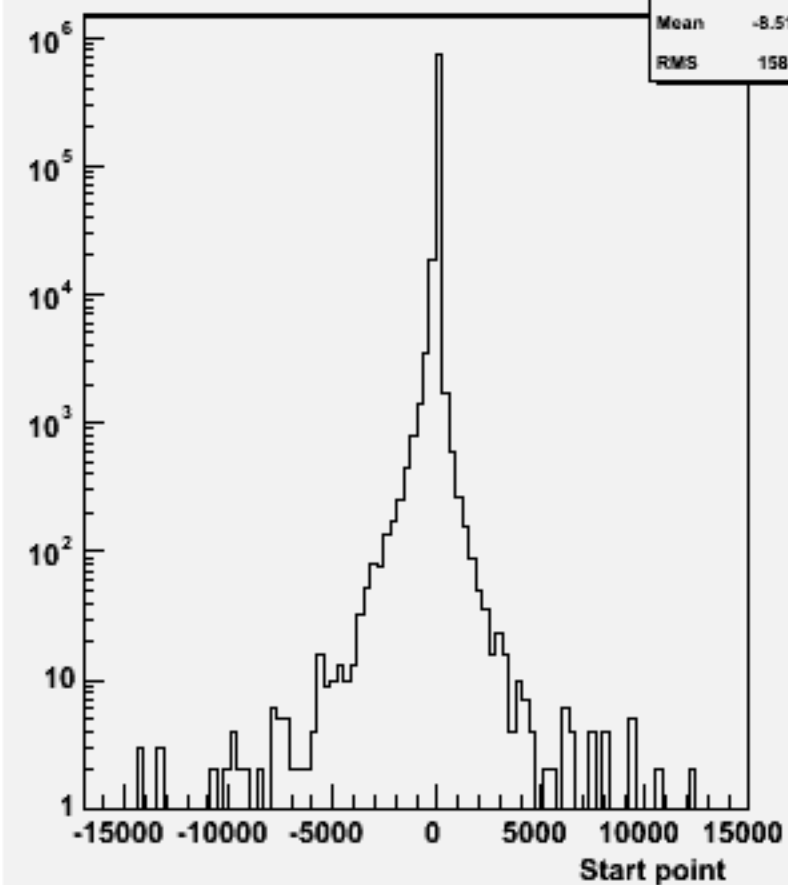
Start point R : w103840 ae1\_e1uubb\_o



h\_vr

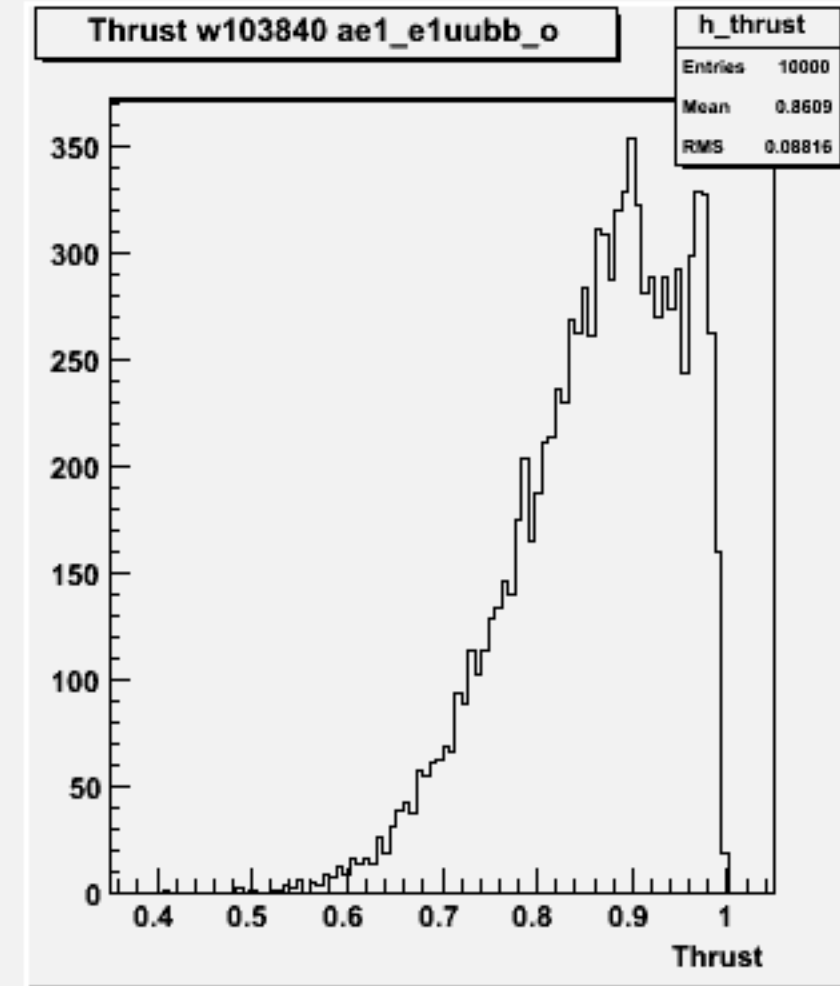
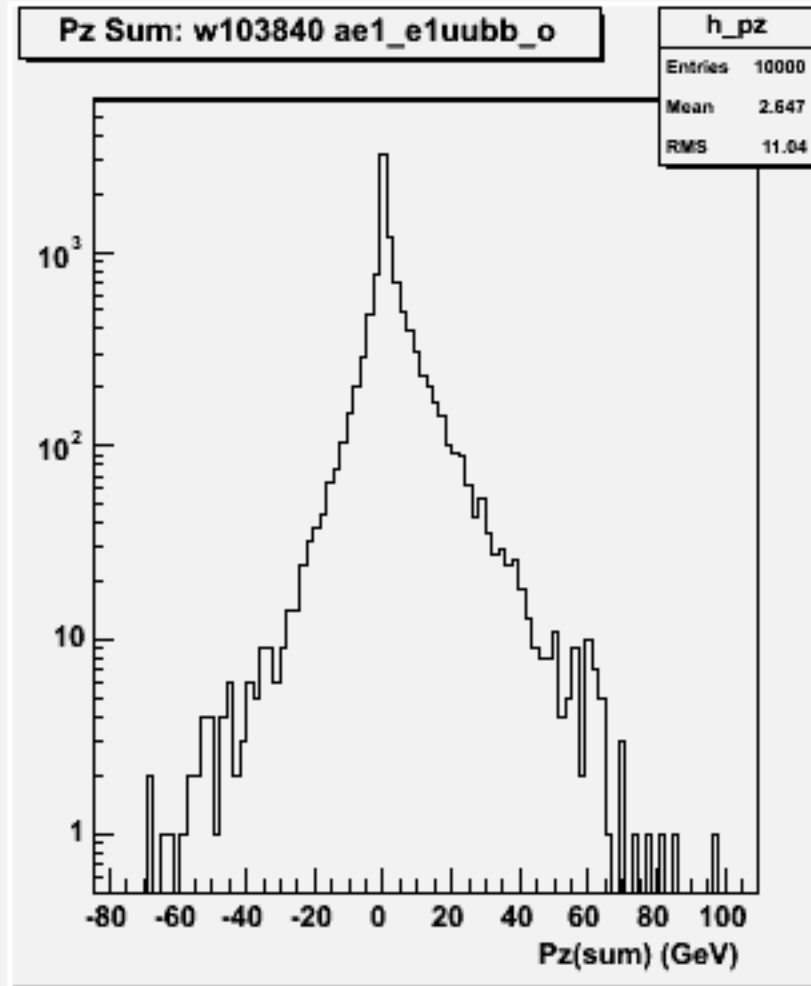
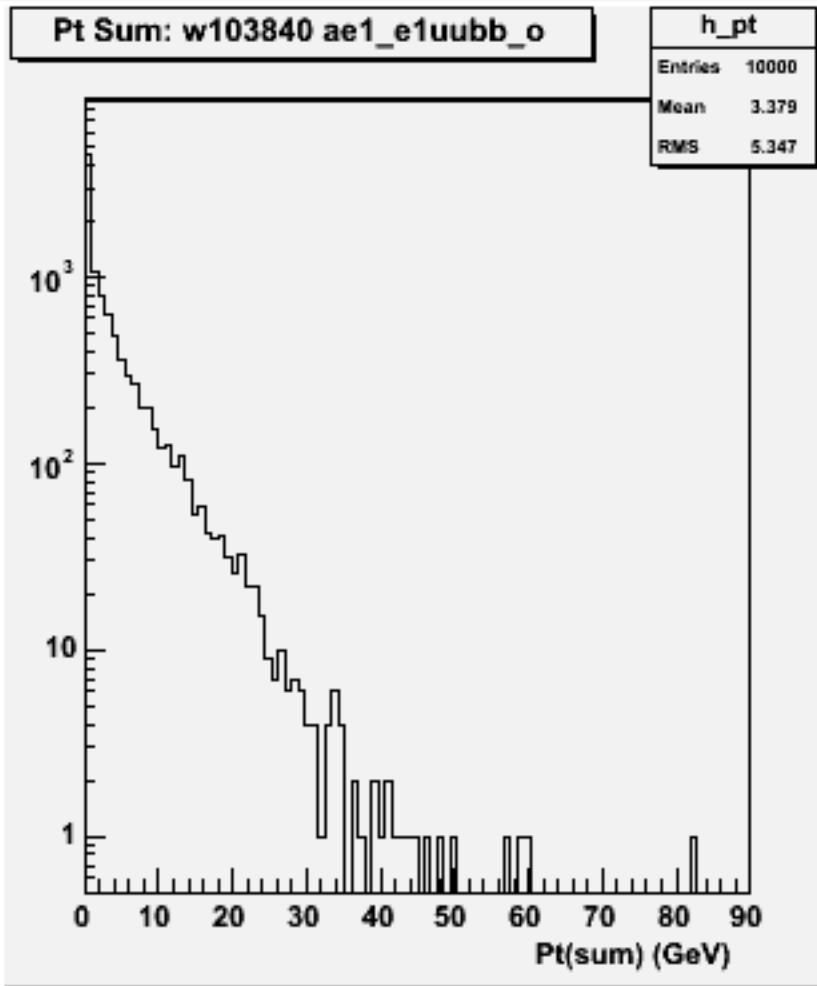
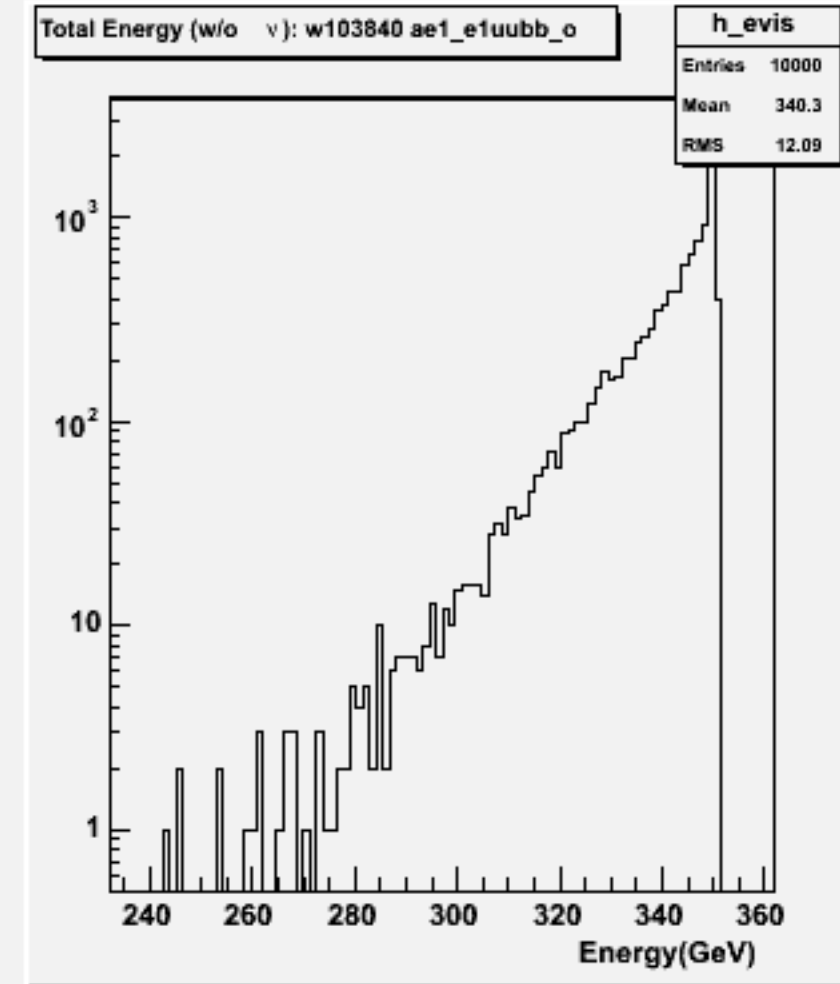
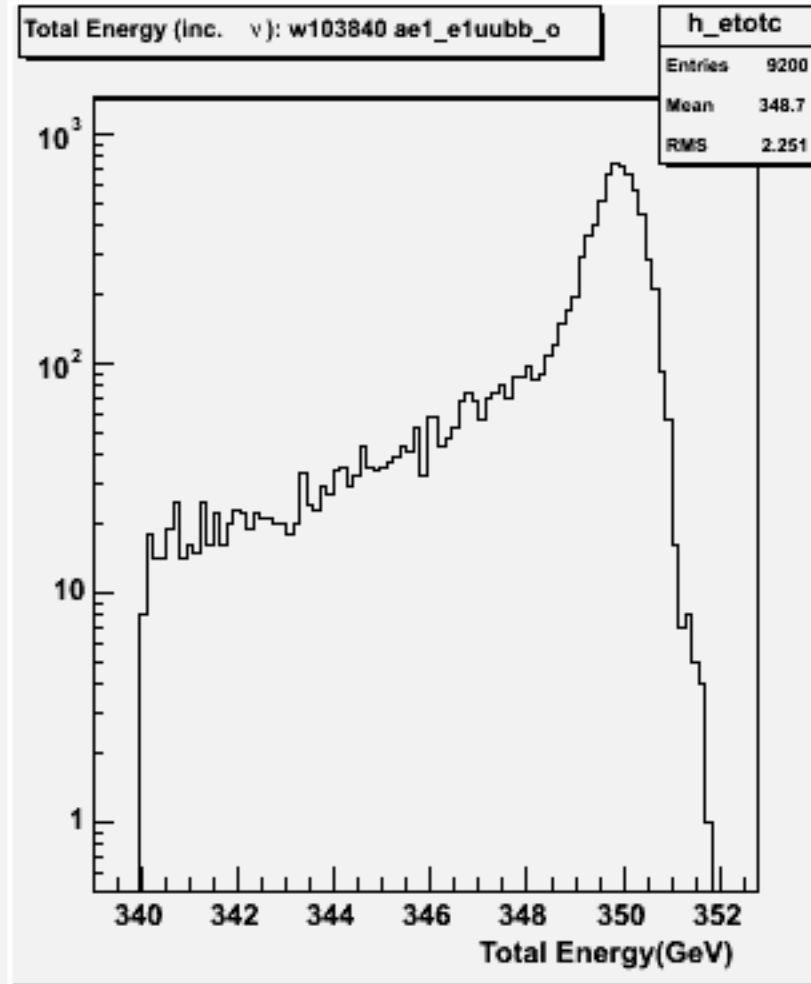
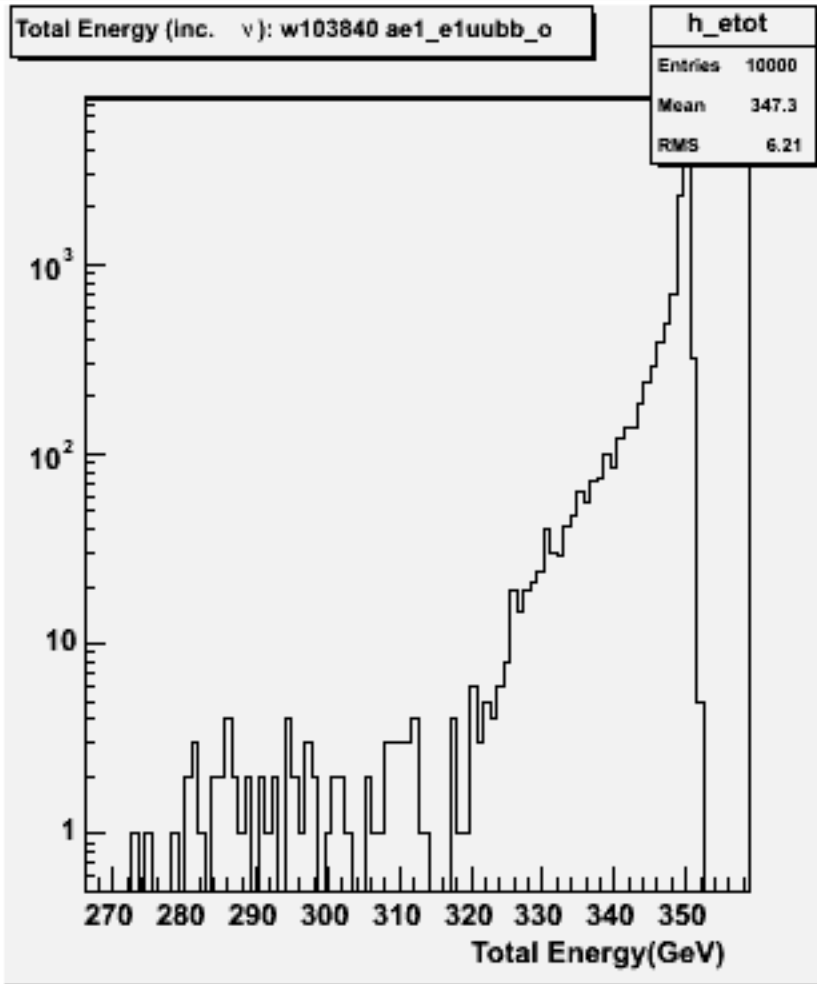
|         |        |
|---------|--------|
| Entries | 776441 |
| Mean    | 13.69  |
| RMS     | 108    |

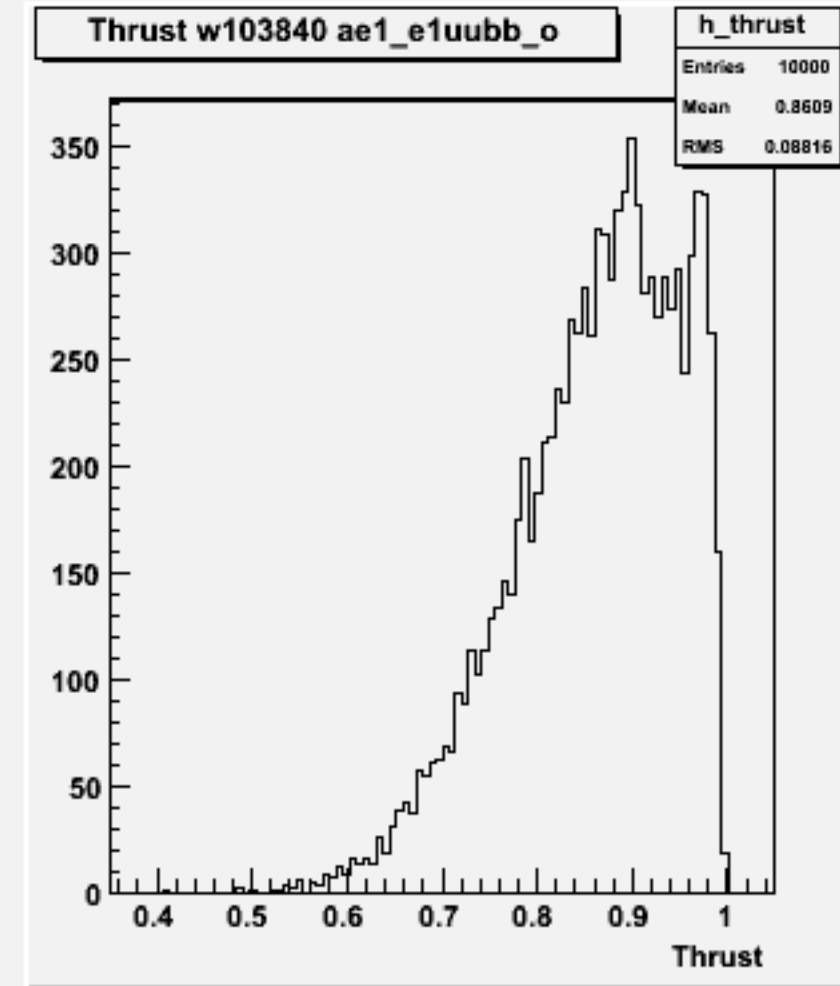
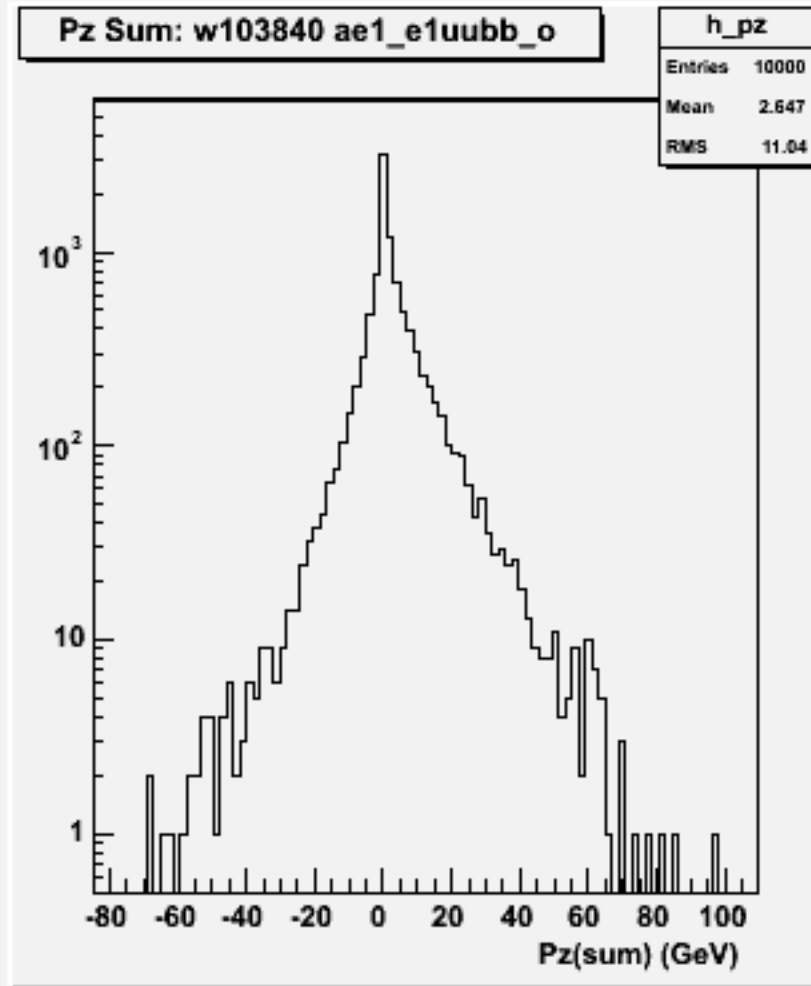
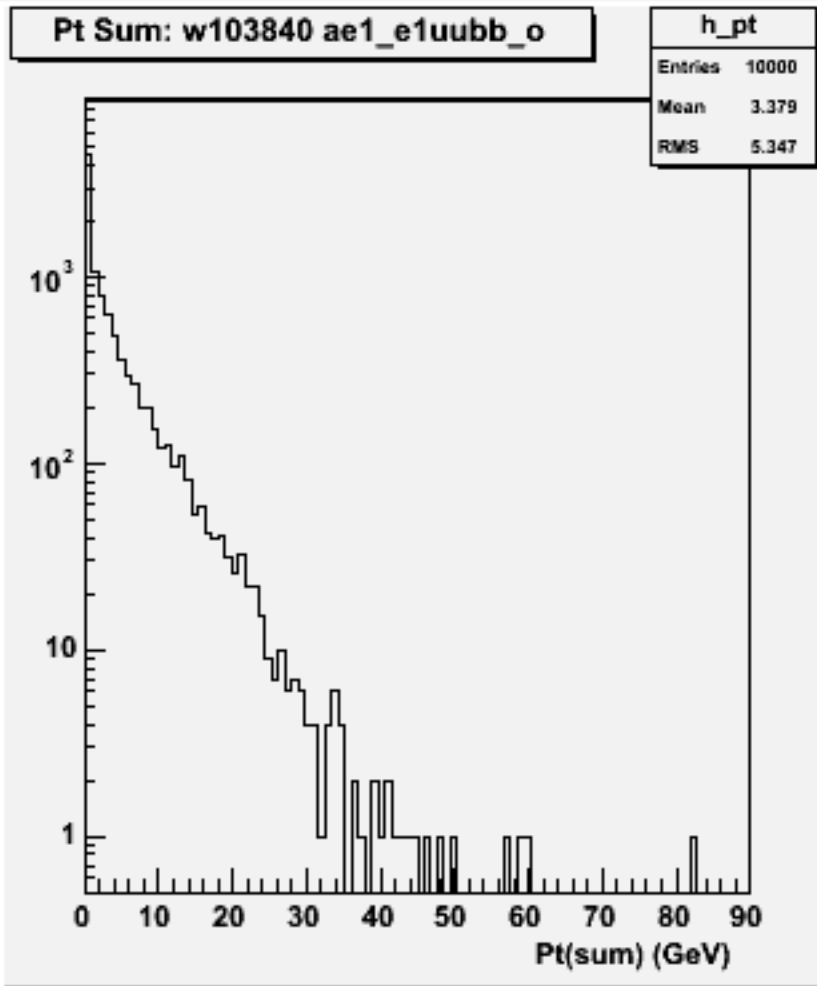
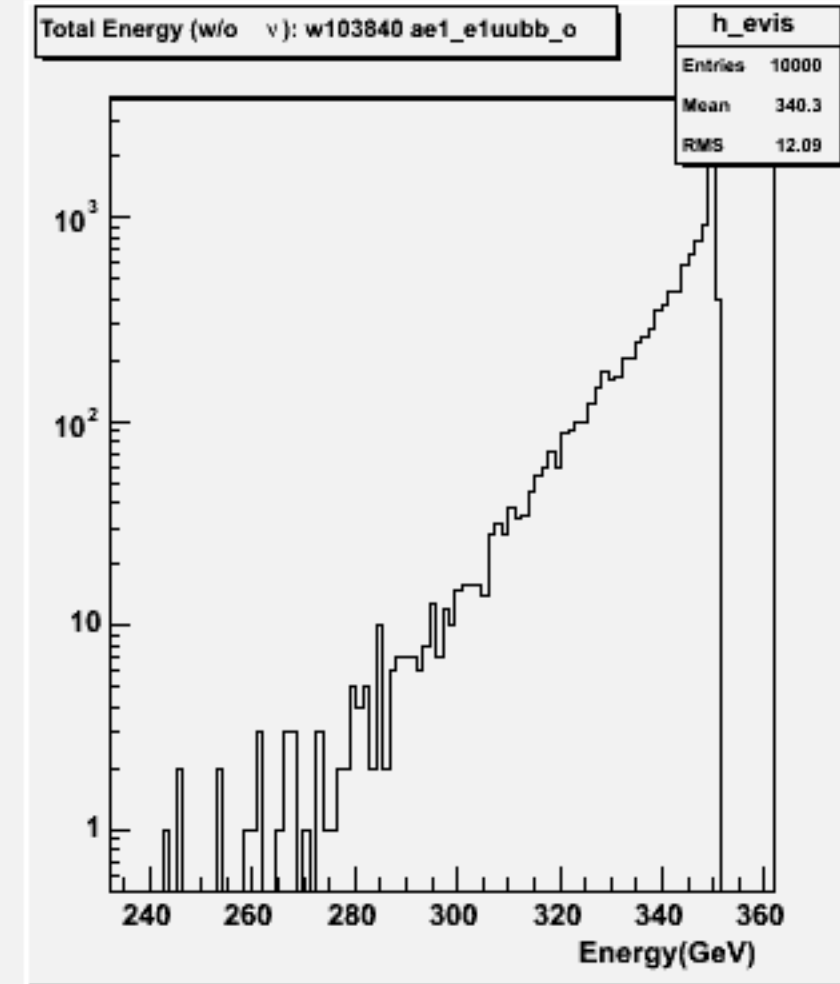
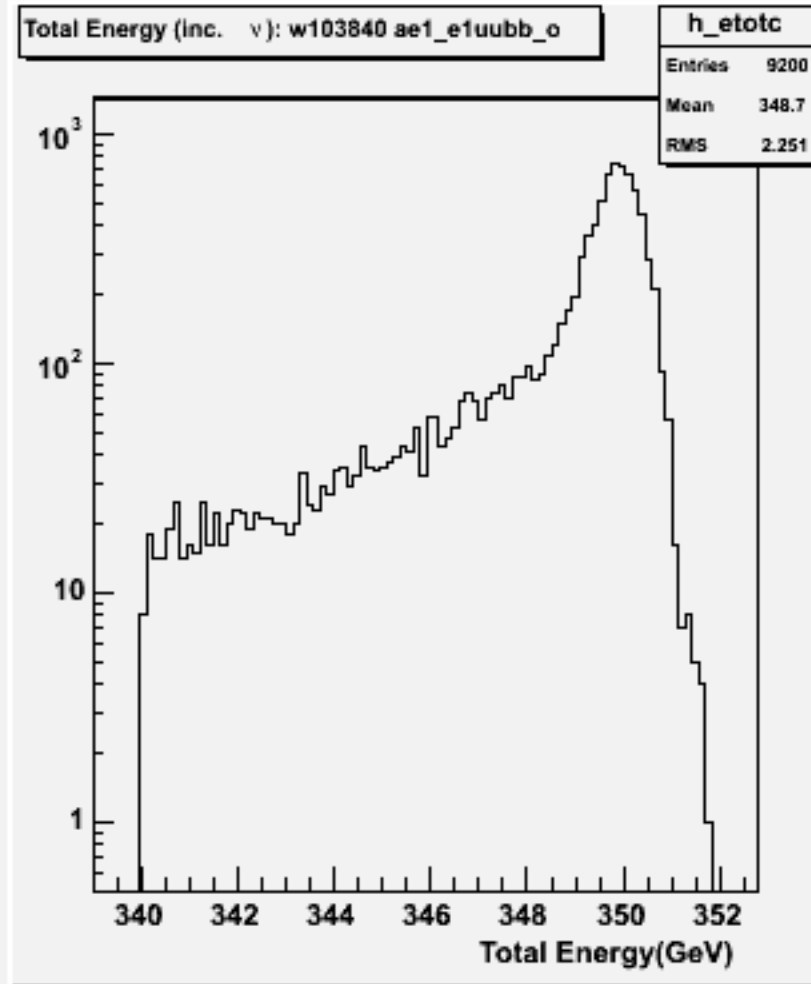
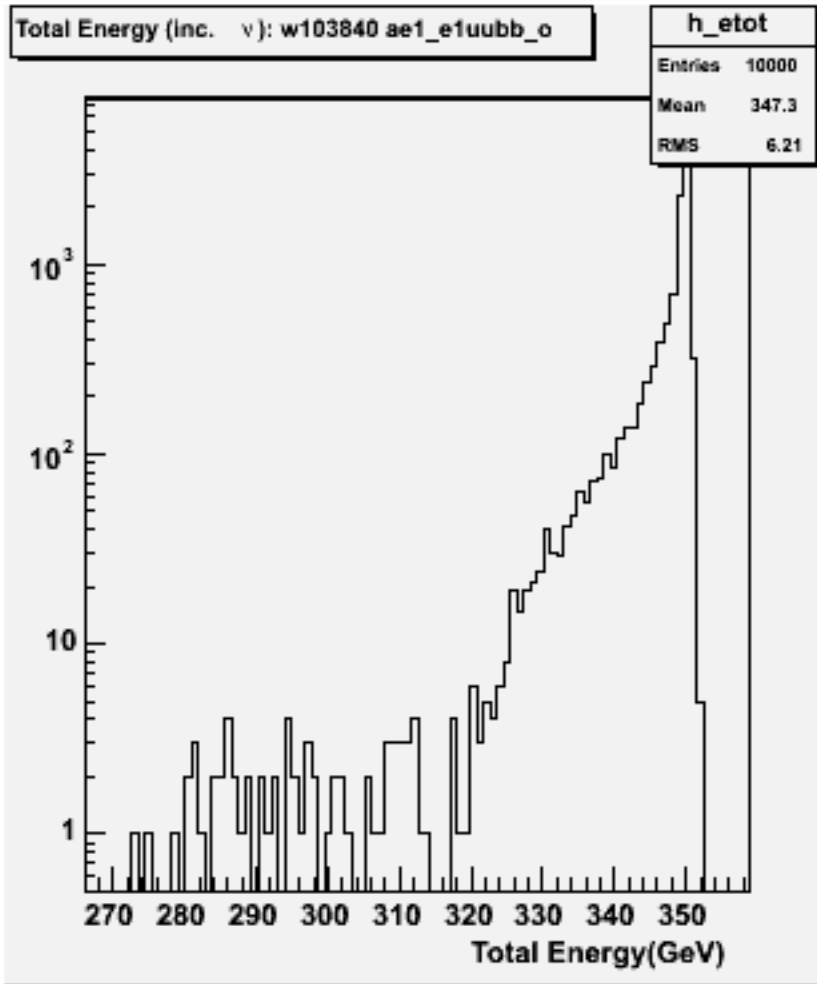
Start point Z : w103840 ae1\_e1uubb\_o



h\_vz

|         |        |
|---------|--------|
| Entries | 776441 |
| Mean    | -8.514 |
| RMS     | 158.2  |

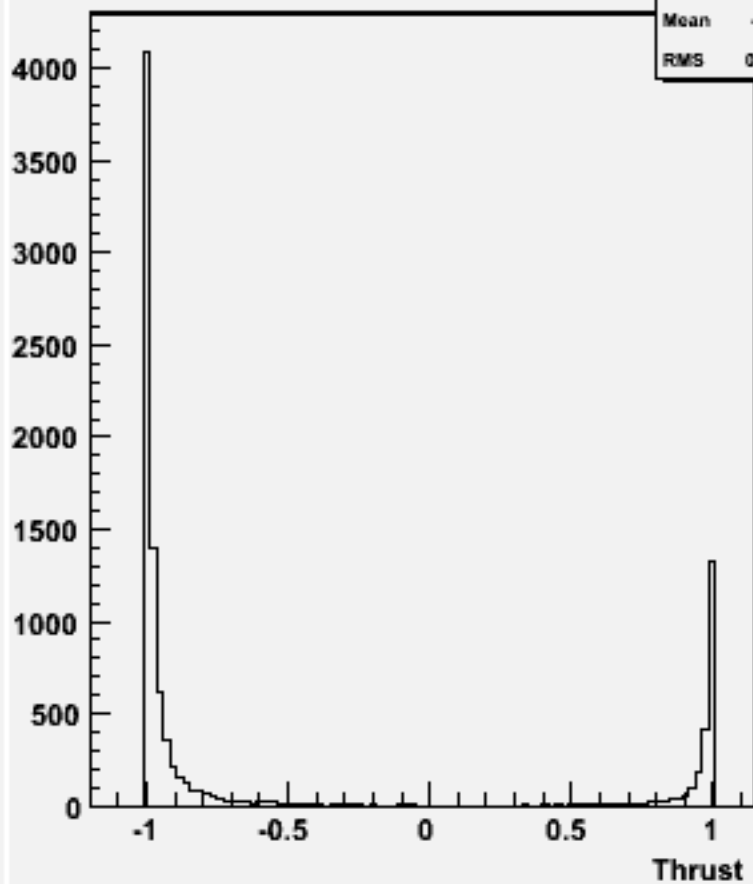




cos  $\Theta$ (thrust) w103840 ae1\_e1uubb\_o

h\_csth

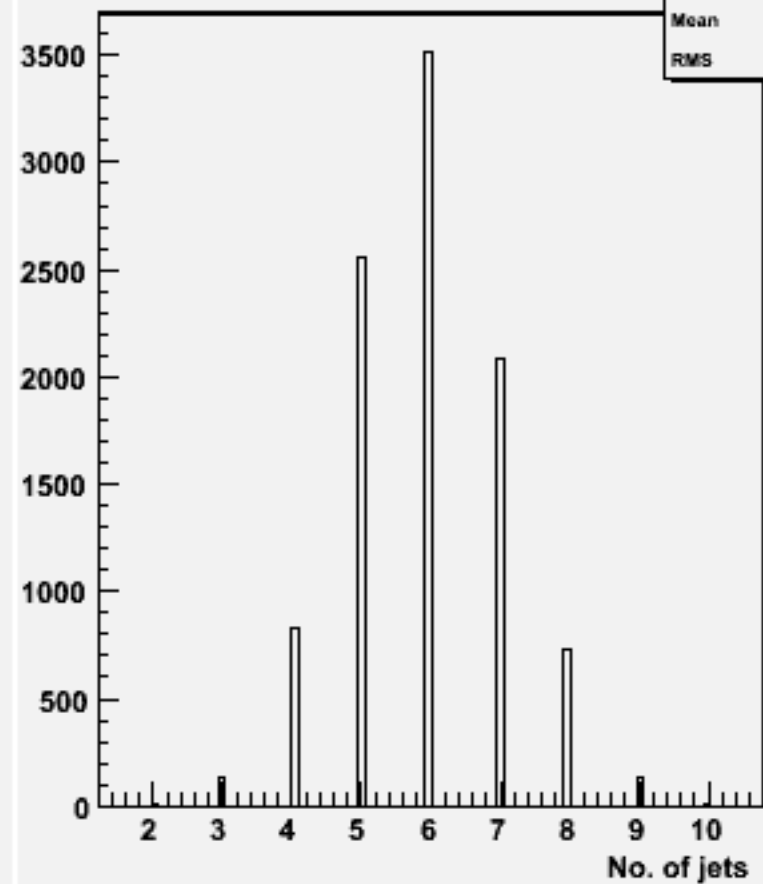
|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | -0.499 |
| RMS     | 0.8158 |



No. jets (ycut=0.001) : w103840 ae1\_e1uubb\_o

h\_njets

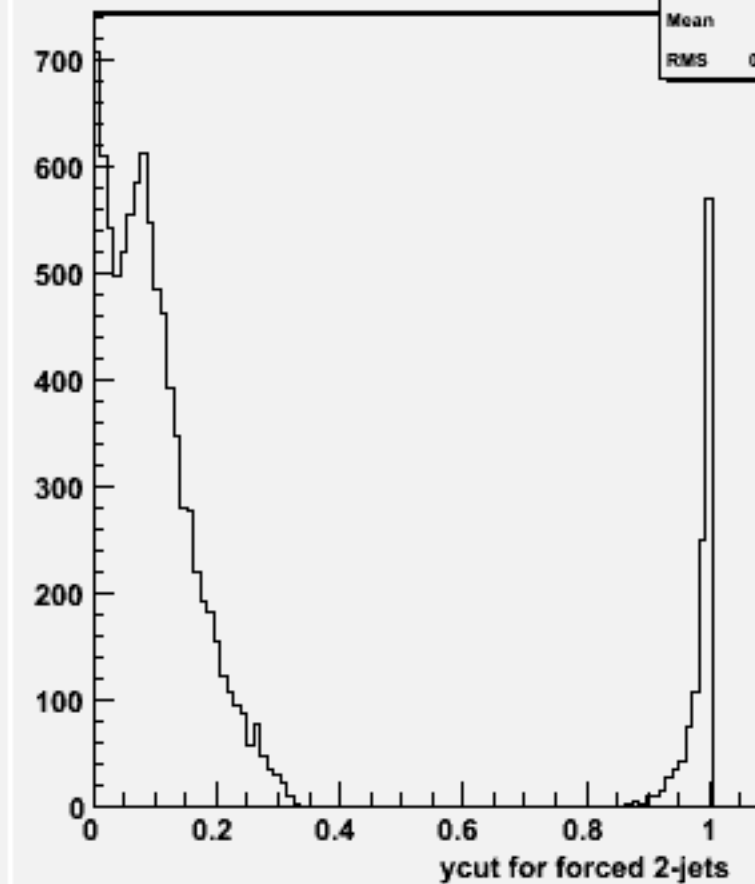
|         |       |
|---------|-------|
| Entries | 10000 |
| Mean    | 5.935 |
| RMS     | 1.164 |



Ycut for 2-jets :w103840 ae1\_e1uubb\_o

h\_yc2j

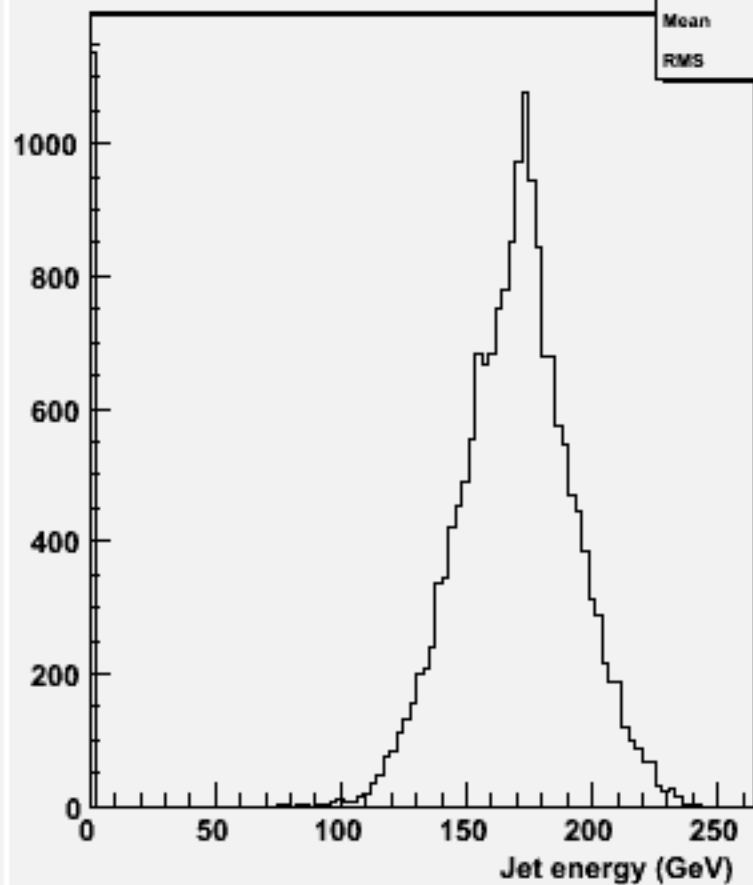
|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | 0.196  |
| RMS     | 0.2906 |



energy for 2-jets :w103840 ae1\_e1uubb\_o

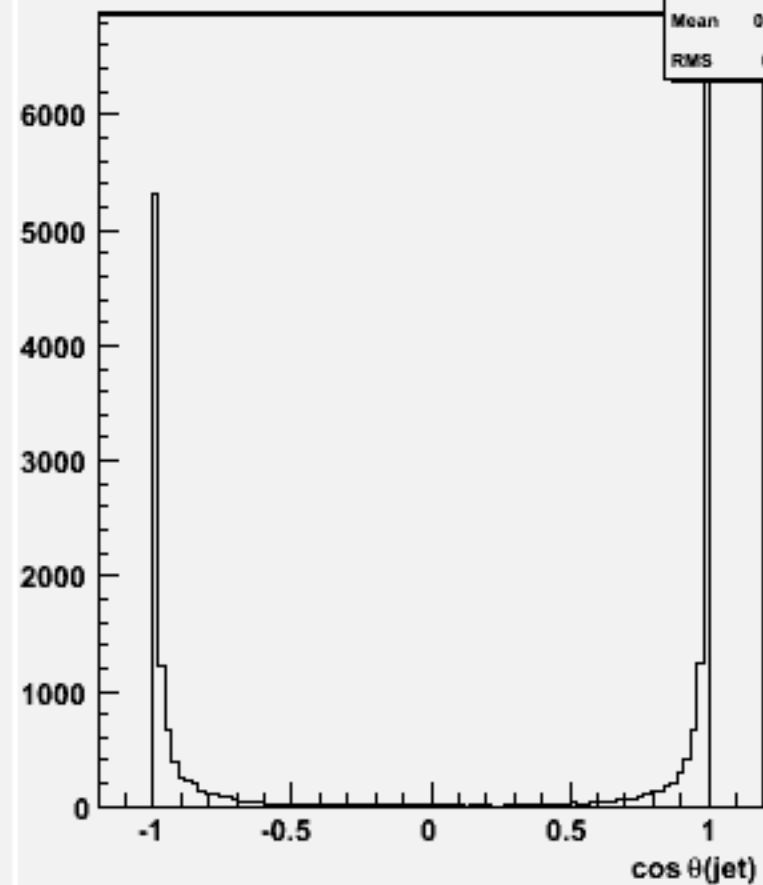
h\_j0e

|         |       |
|---------|-------|
| Entries | 20000 |
| Mean    | 159.9 |
| RMS     | 45.87 |

cos  $\theta$  for 2-jets :w103840 ae1\_e1uubb\_o

h\_j0cs

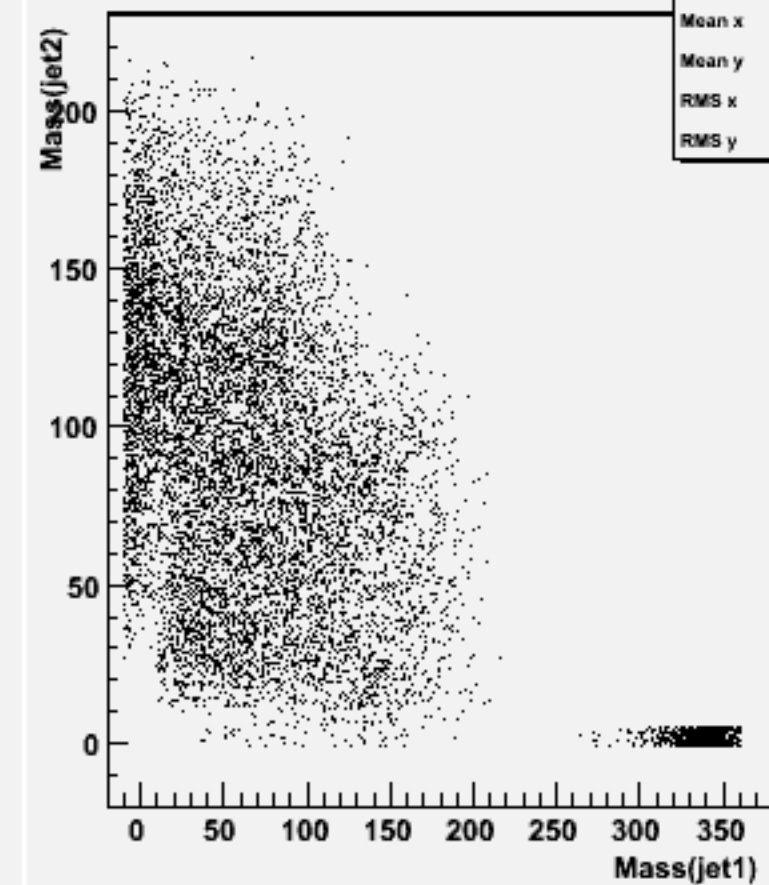
|         |         |
|---------|---------|
| Entries | 20000   |
| Mean    | 0.06462 |
| RMS     | 0.9466  |



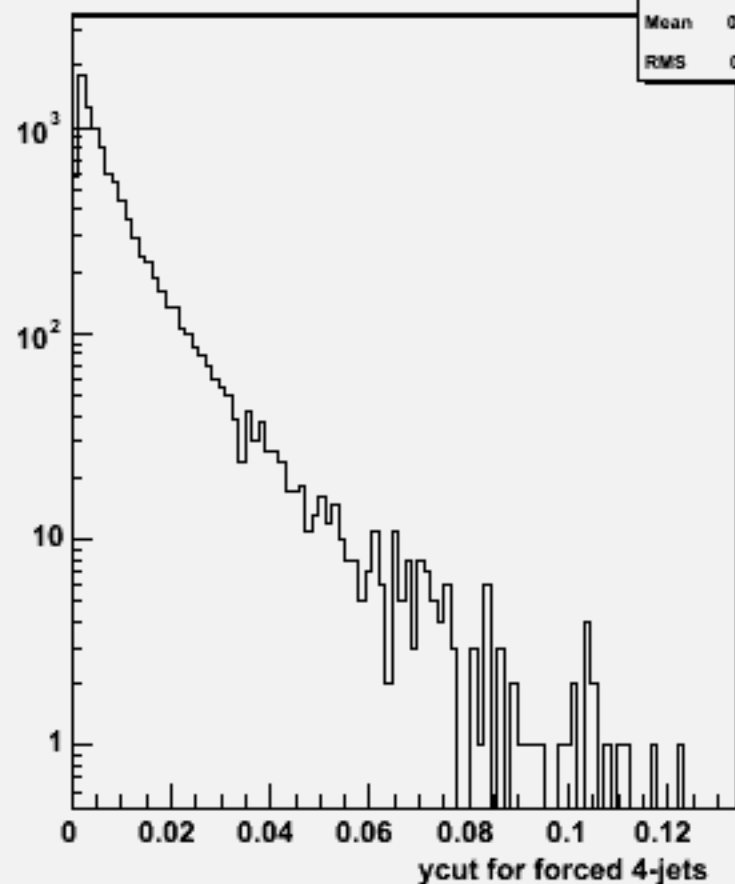
Jet mass for forced 2-jets : w103840 ae1\_e1uubb\_o

h\_j0mj1m

|         |       |
|---------|-------|
| Entries | 10000 |
| Mean x  | 93.86 |
| Mean y  | 81.66 |
| RMS x   | 99.5  |
| RMS y   | 52.13 |

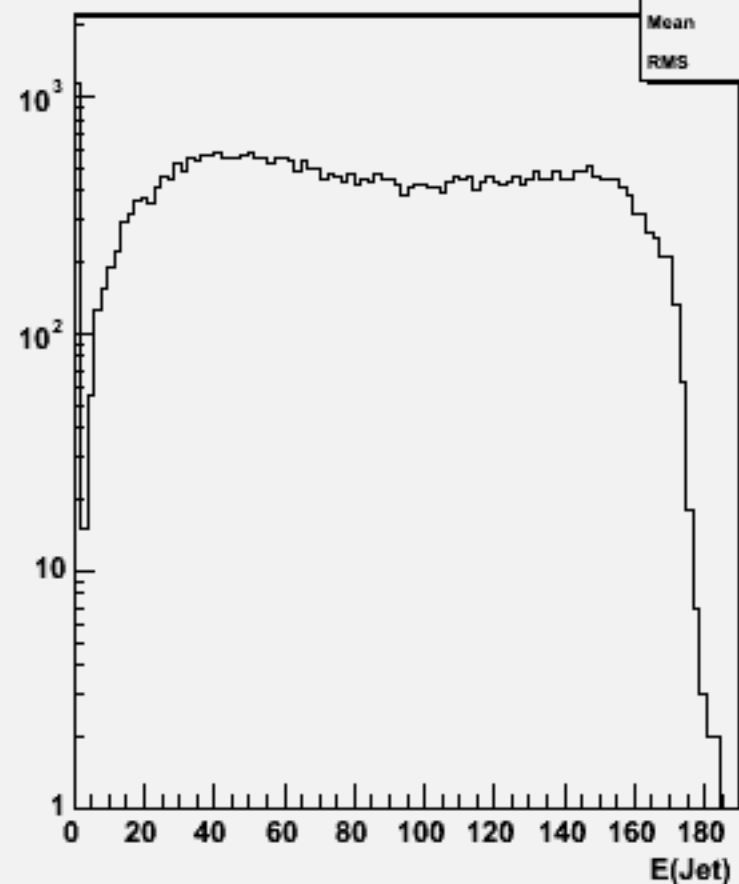


Ycut for 4-jets :w103840 ae1\_e1uubb\_o

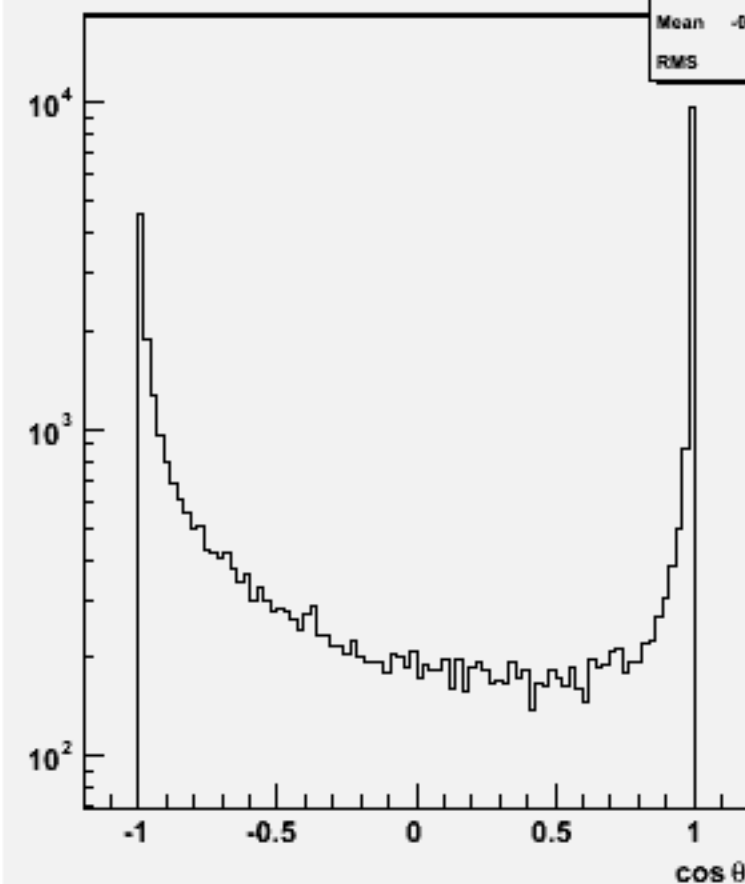


| h_yc4j  |         |
|---------|---------|
| Entries | 9863    |
| Mean    | 0.01002 |
| RMS     | 0.01211 |

Jet energies(All jets)w103840 ae1\_e1uubb\_o

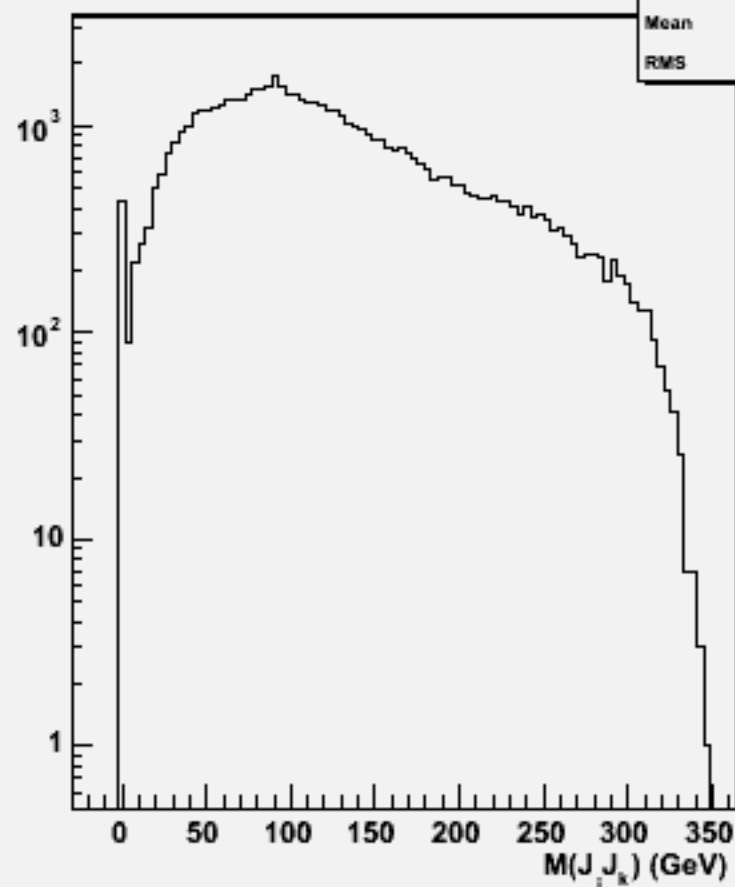


| ha_j0e  |       |
|---------|-------|
| Entries | 39452 |
| Mean    | 85.07 |
| RMS     | 46.82 |

Jet cos  $\theta$  (All jets)w103840 ae1\_e1uubb\_o

| ha_j0cs |          |
|---------|----------|
| Entries | 39452    |
| Mean    | -0.01787 |
| RMS     | 0.8164   |

2jets mass(All comb)w103840 ae1\_e1uubb\_o



| ha_m01  |       |
|---------|-------|
| Entries | 59178 |
| Mean    | 122.6 |
| RMS     | 70.97 |