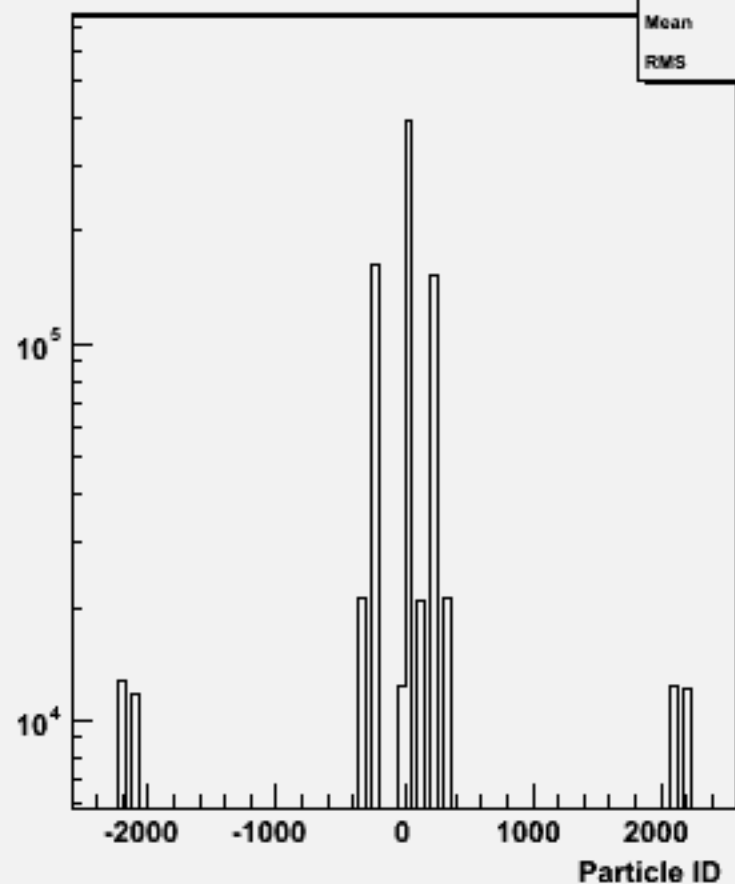


# Generator file information: w103122 e1a\_n1ssdu\_o

process\_id=w103122  
job\_date\_time=100729-062958  
process\_name=e1a\_n1ssdu\_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=0.117090854696695  
lumi\_file=/tmp/lumi\_linker\_directory/lumi\_linker\_008  
file\_type=stdhep  
total\_number\_of\_events=10000  
number\_of\_files=1  
file\_names=w103122\_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/w103122/run\\_01](http://www-jlc.in.kek.jp/~miyamoto/CDS/0350/run_output/w103122/run_01)  
comment=

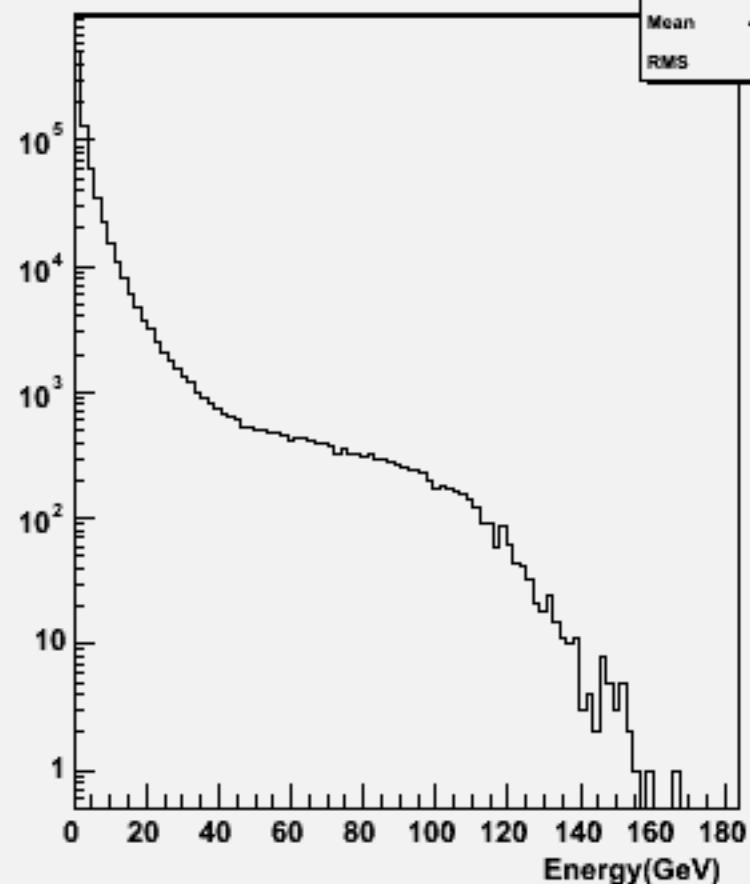
Particle ID : w103122 e1a\_n1ssdu\_o



h\_id

|         |        |
|---------|--------|
| Entries | 829658 |
| Mean    | 10.83  |
| RMS     | 546.8  |

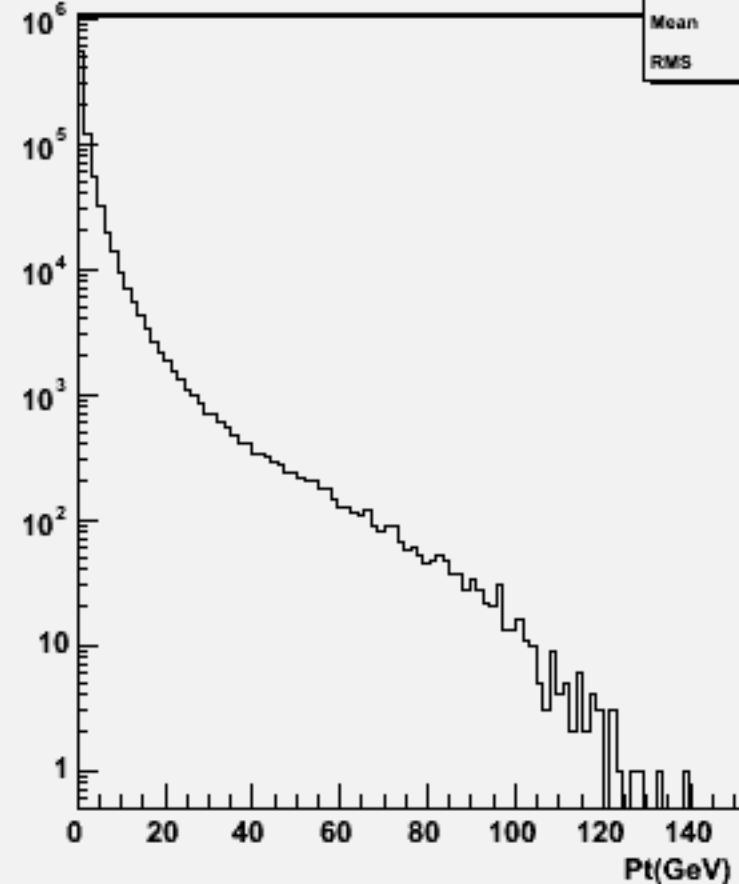
Particle Energy : w103122 e1a\_n1ssdu\_o



h\_e

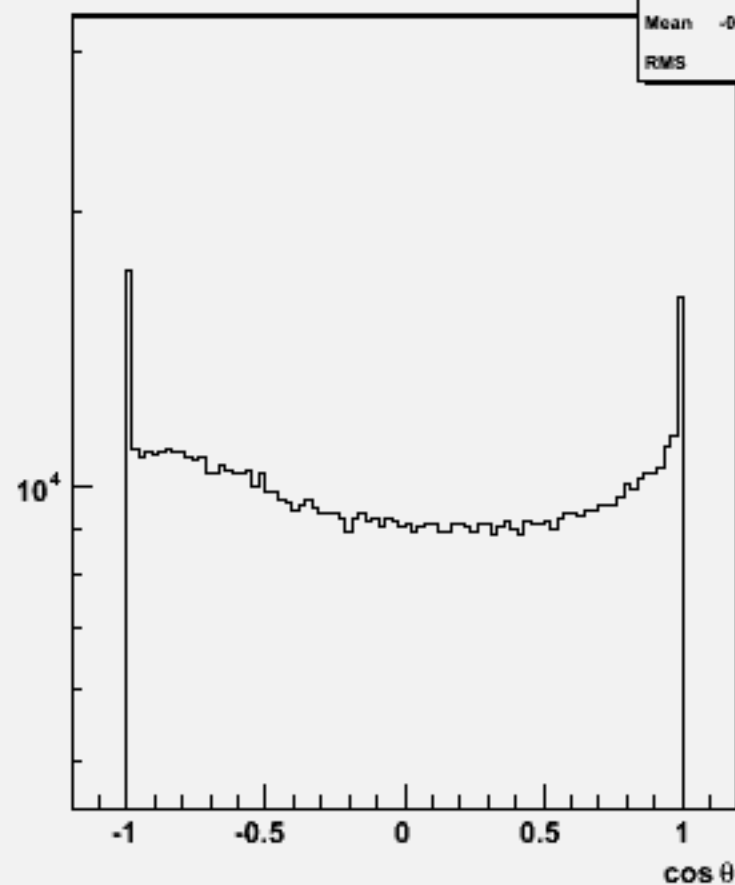
|         |        |
|---------|--------|
| Entries | 829658 |
| Mean    | 4.192  |
| RMS     | 10.5   |

Particle Pt : w103122 e1a\_n1ssdu\_o



h\_pt

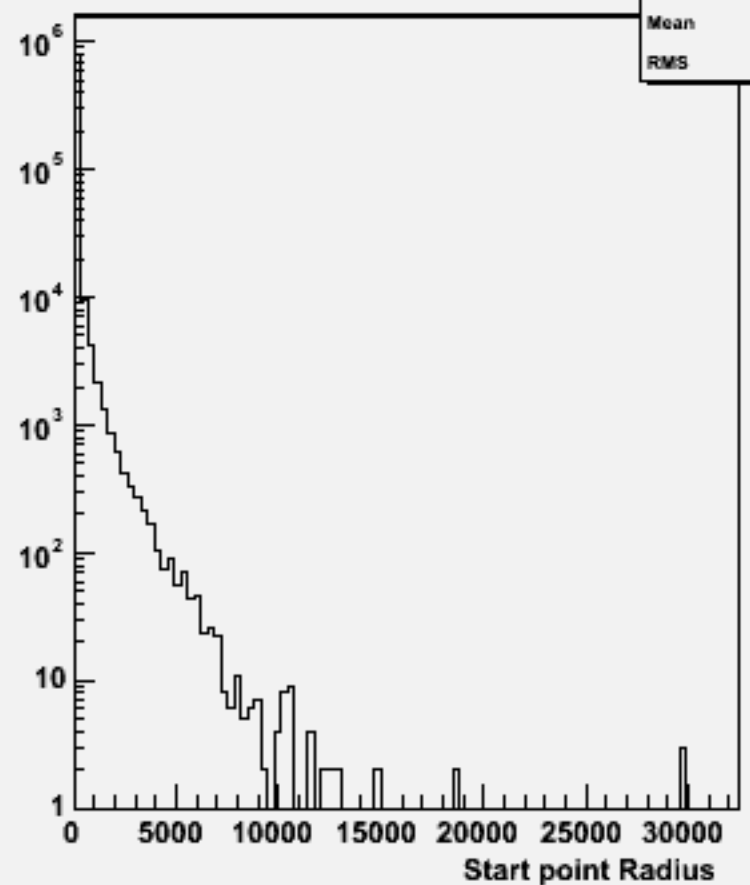
|         |        |
|---------|--------|
| Entries | 829658 |
| Mean    | 2.637  |
| RMS     | 6.066  |

Particle  $\cos\theta$  : w103122 e1a\_n1ssdu\_o

h\_cs

|         |          |
|---------|----------|
| Entries | 829658   |
| Mean    | -0.01773 |
| RMS     | 0.6052   |

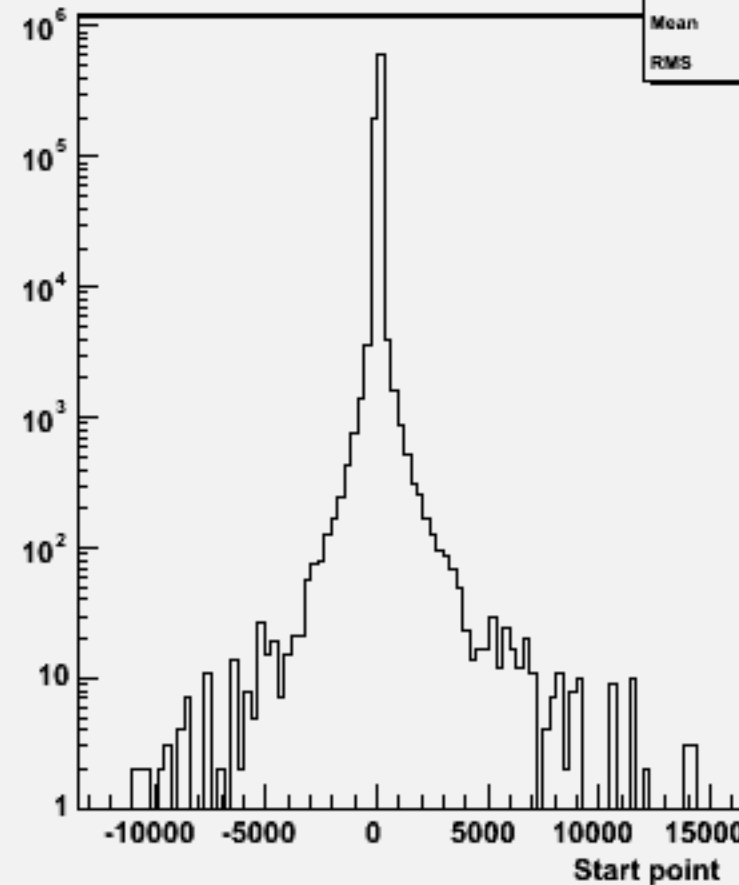
Start point R : w103122 e1a\_n1ssdu\_o



h\_vr

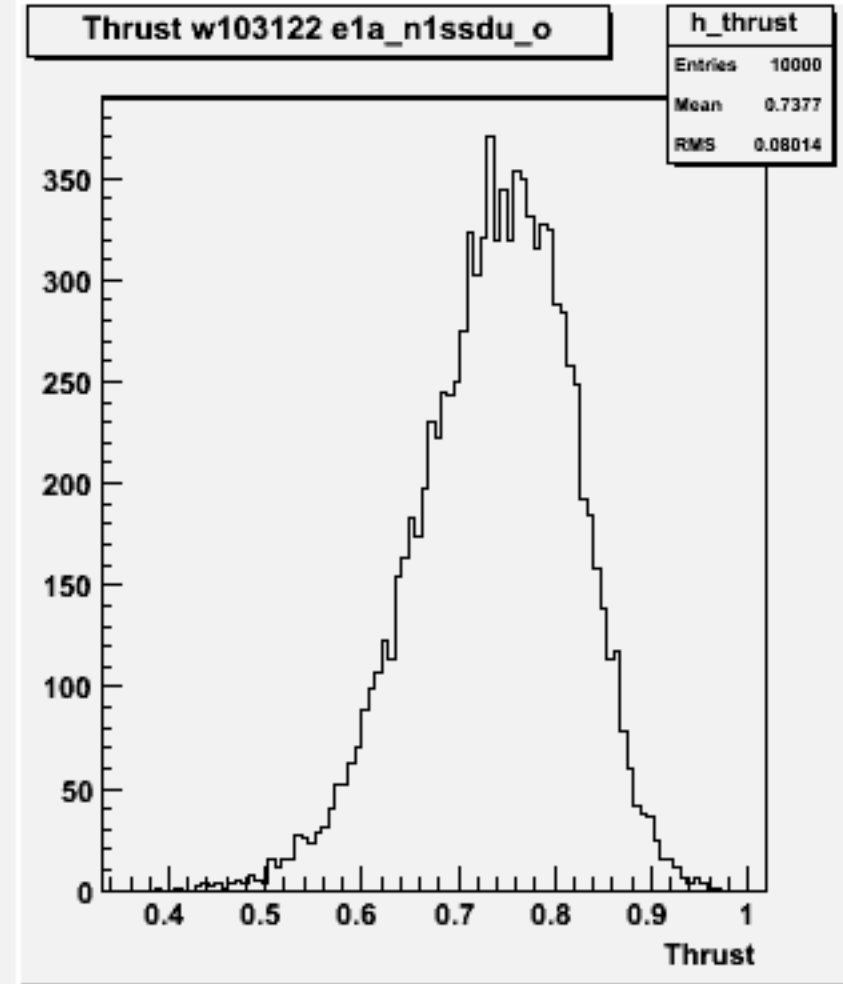
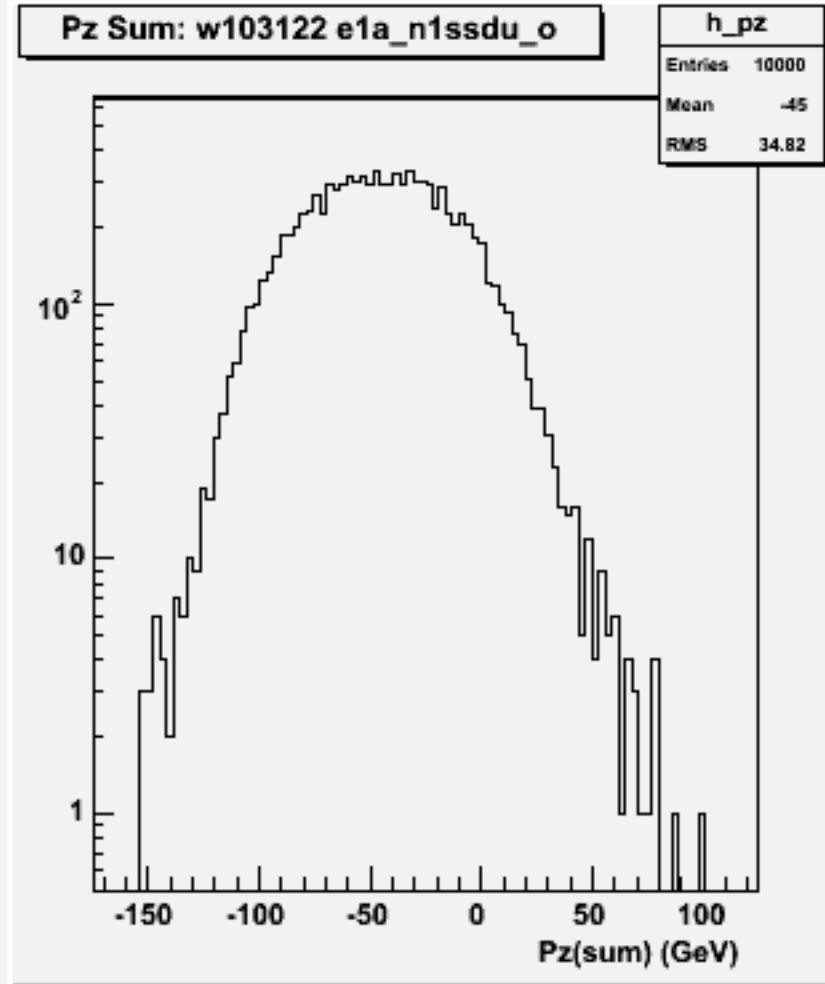
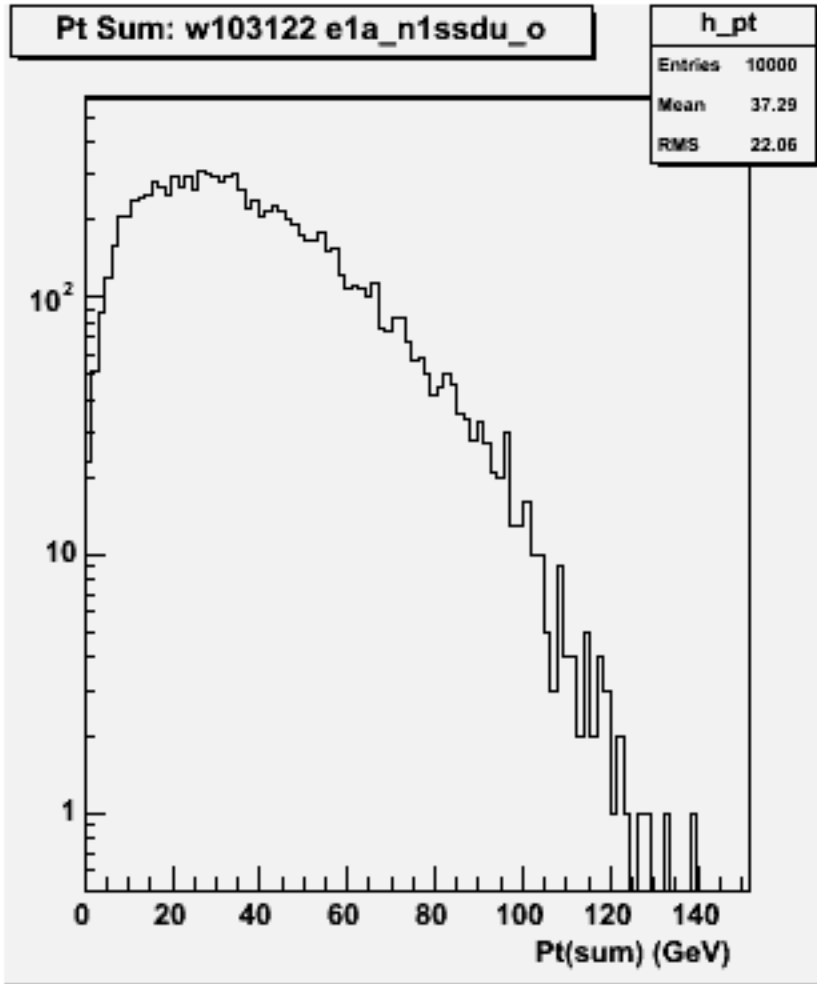
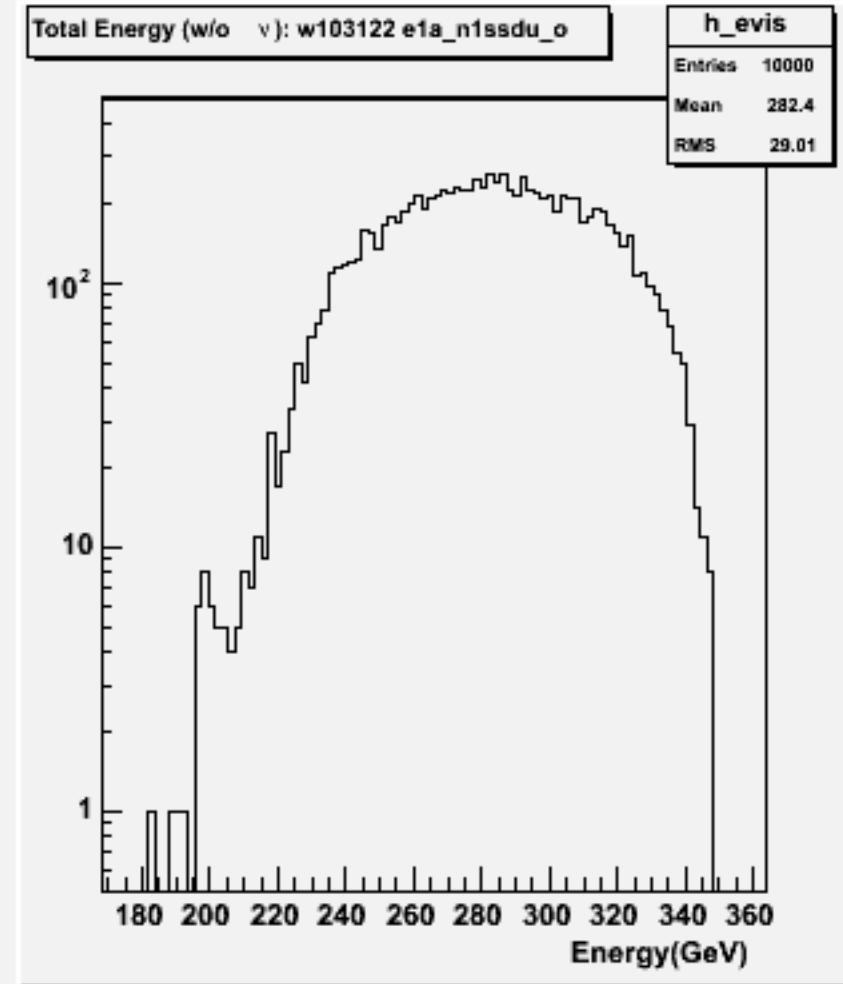
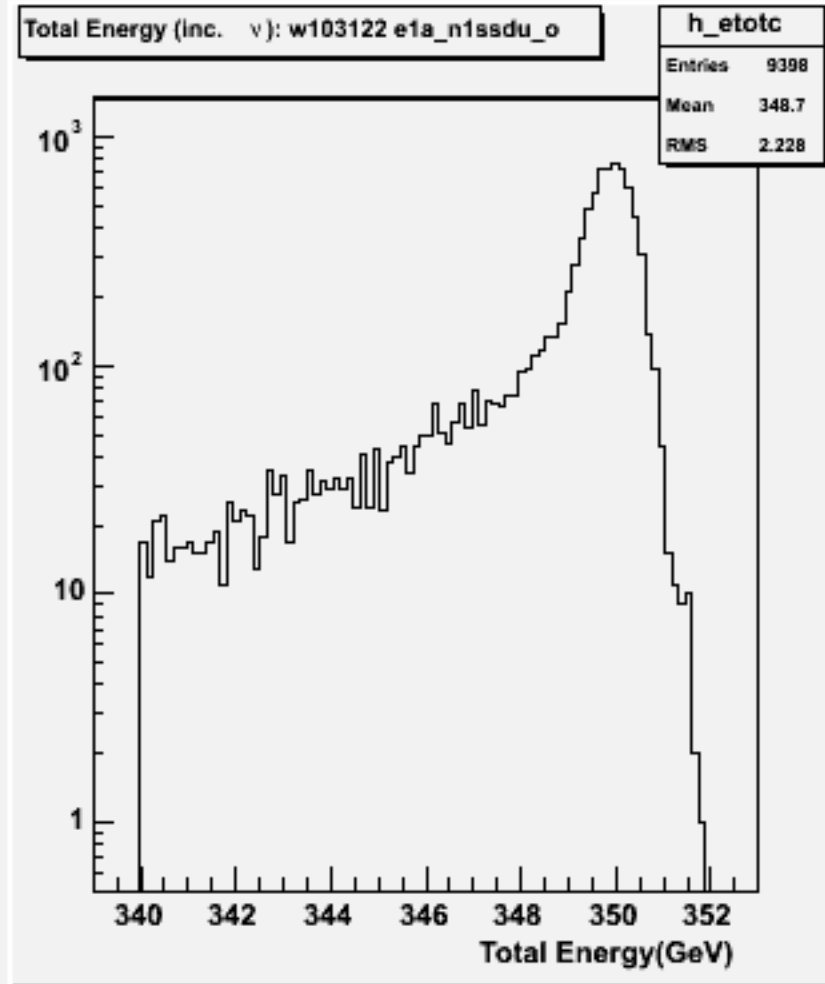
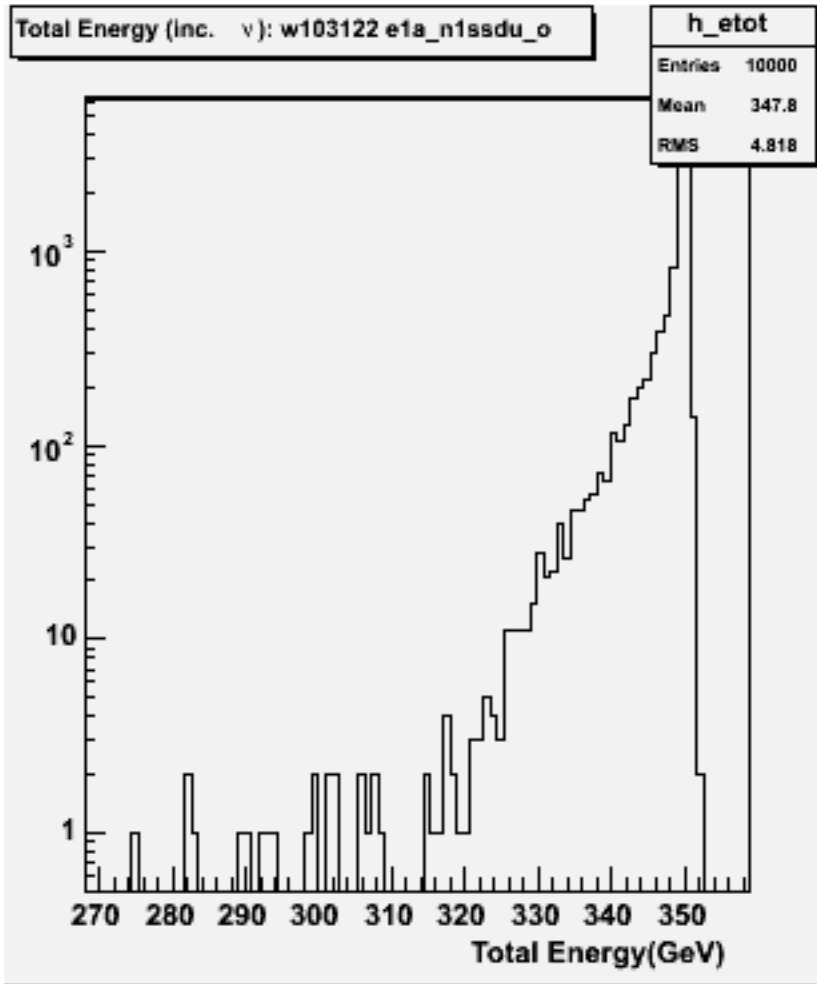
|         |        |
|---------|--------|
| Entries | 829658 |
| Mean    | 34     |
| RMS     | 254.1  |

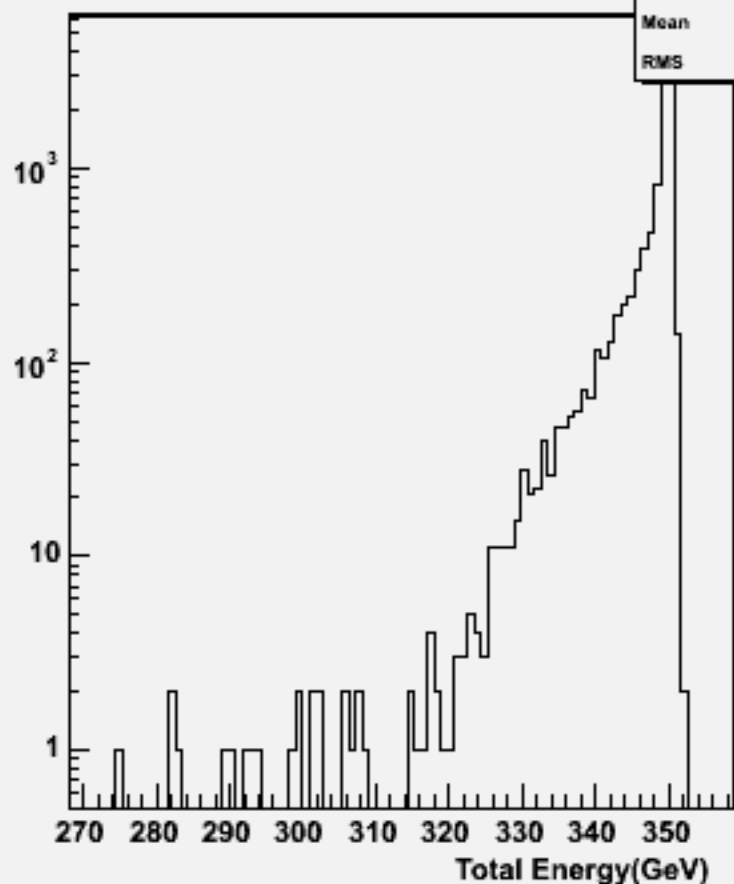
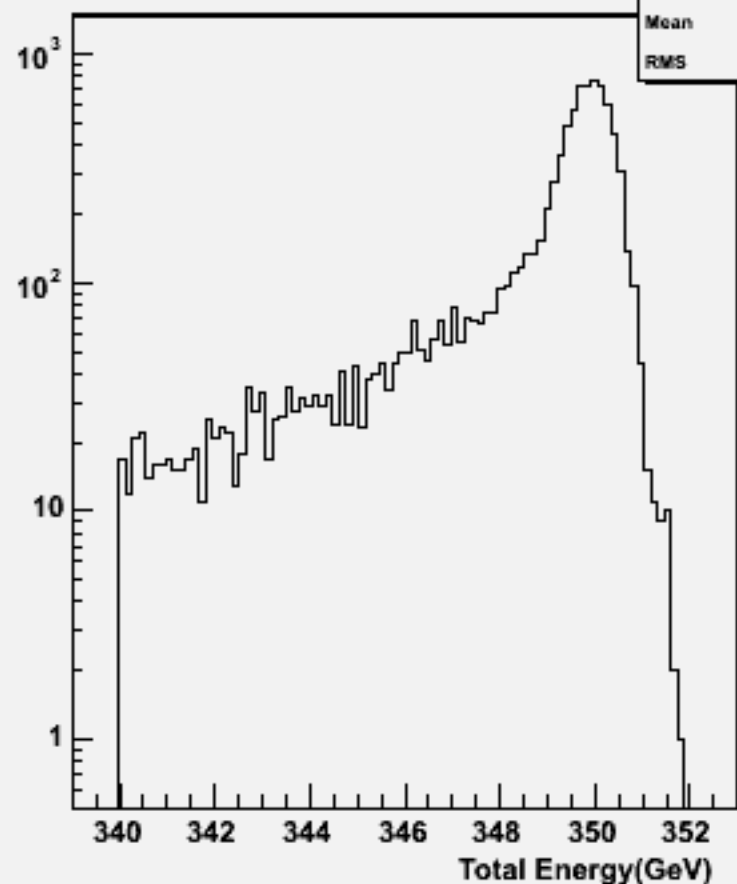
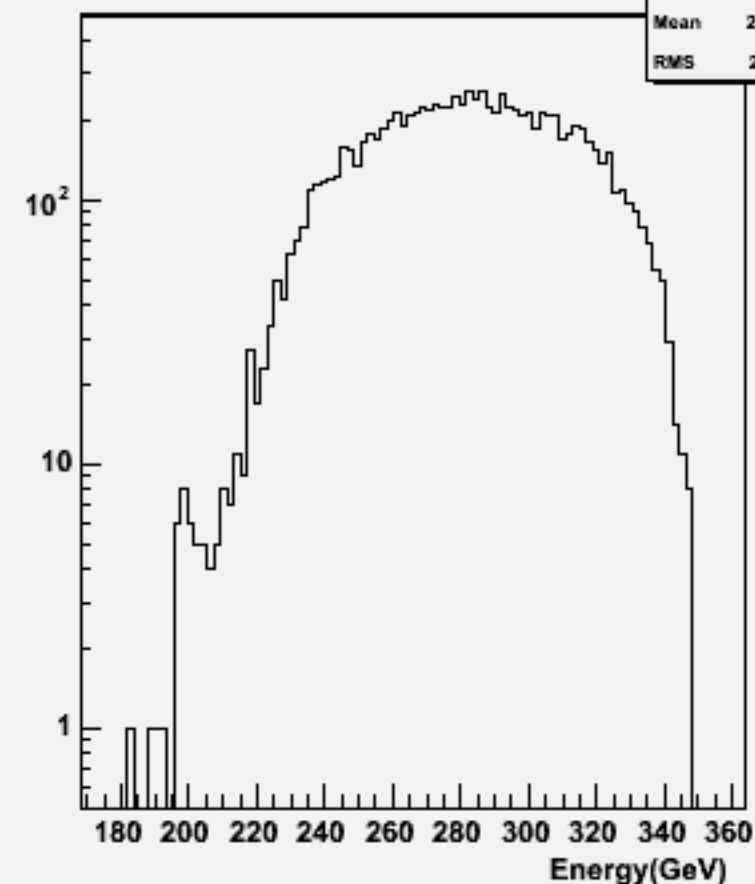
Start point Z : w103122 e1a\_n1ssdu\_o



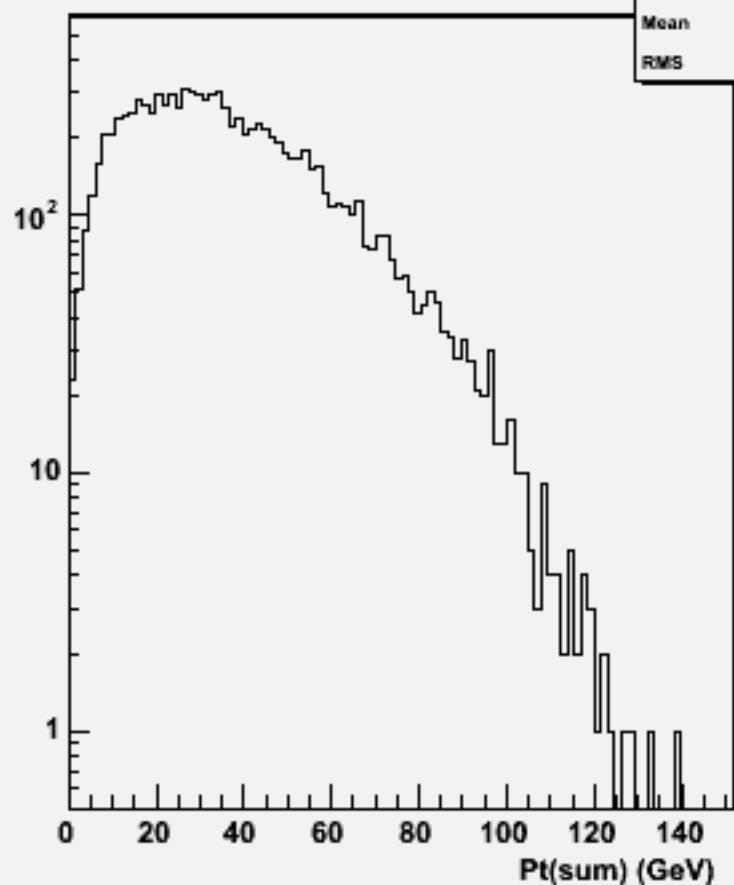
h\_vz

|         |        |
|---------|--------|
| Entries | 829658 |
| Mean    | 2.728  |
| RMS     | 209.7  |

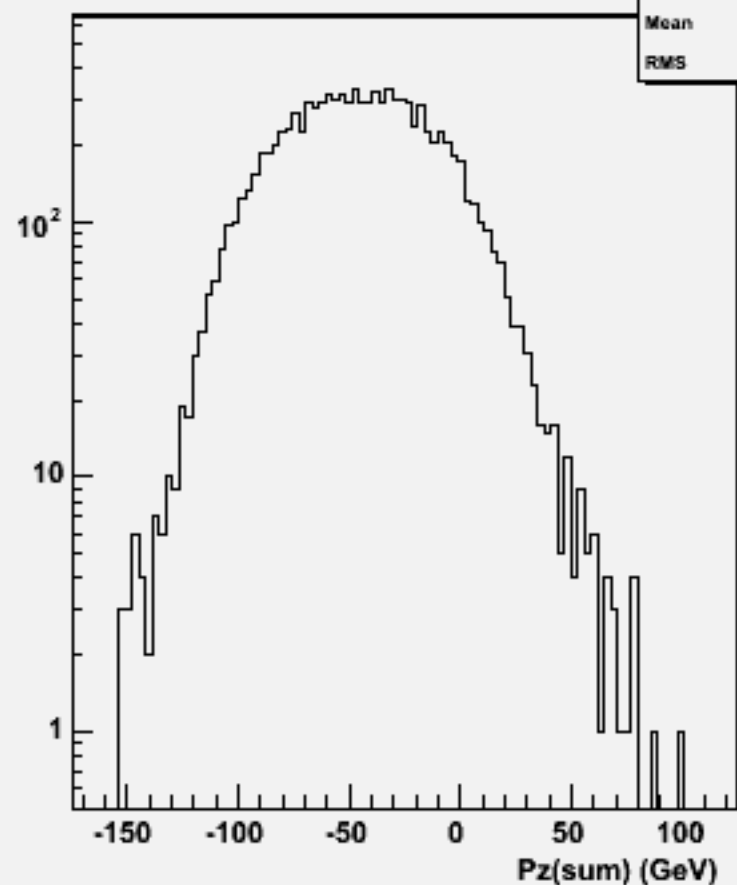


Total Energy (inc.  $\nu$ ): w103122 e1a\_n1ssdu\_oTotal Energy (inc.  $\nu$ ): w103122 e1a\_n1ssdu\_oTotal Energy (w/o  $\nu$ ): w103122 e1a\_n1ssdu\_o

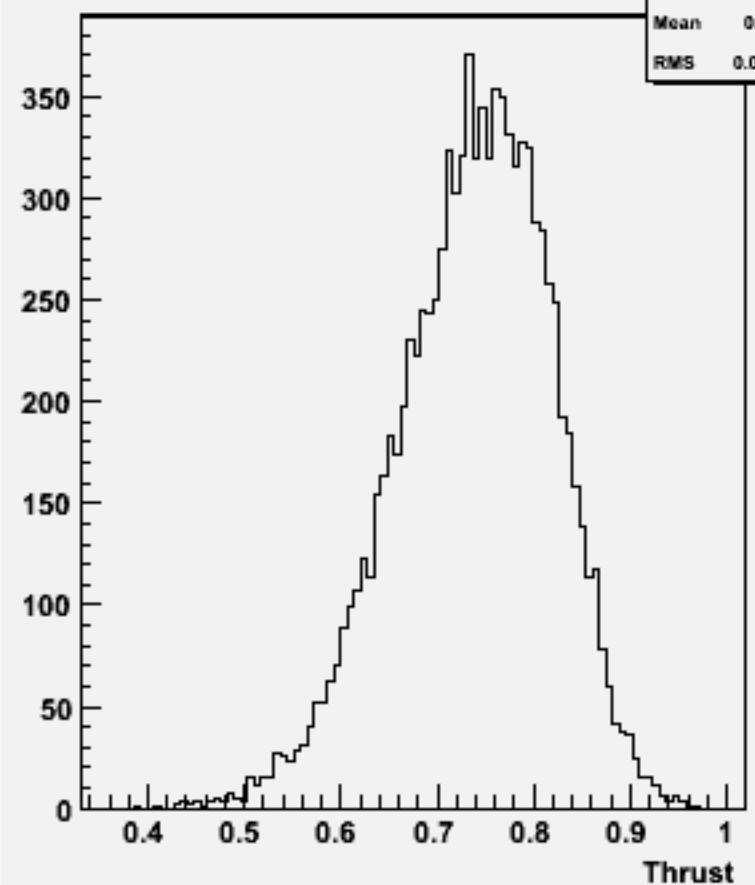
Pt Sum: w103122 e1a\_n1ssdu\_o

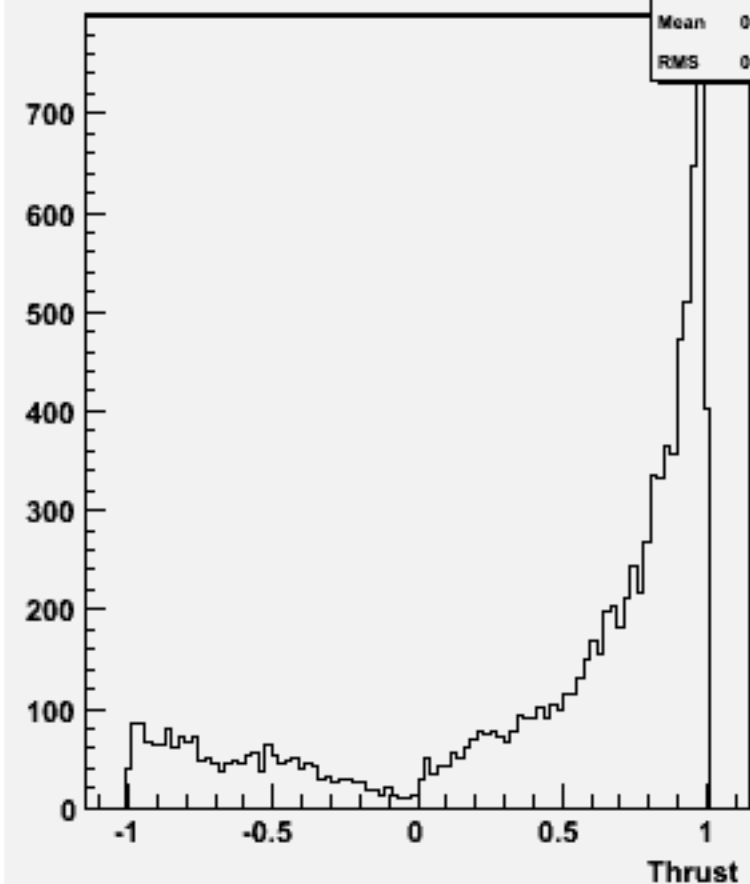


Pz Sum: w103122 e1a\_n1ssdu\_o



Thrust w103122 e1a\_n1ssdu\_o

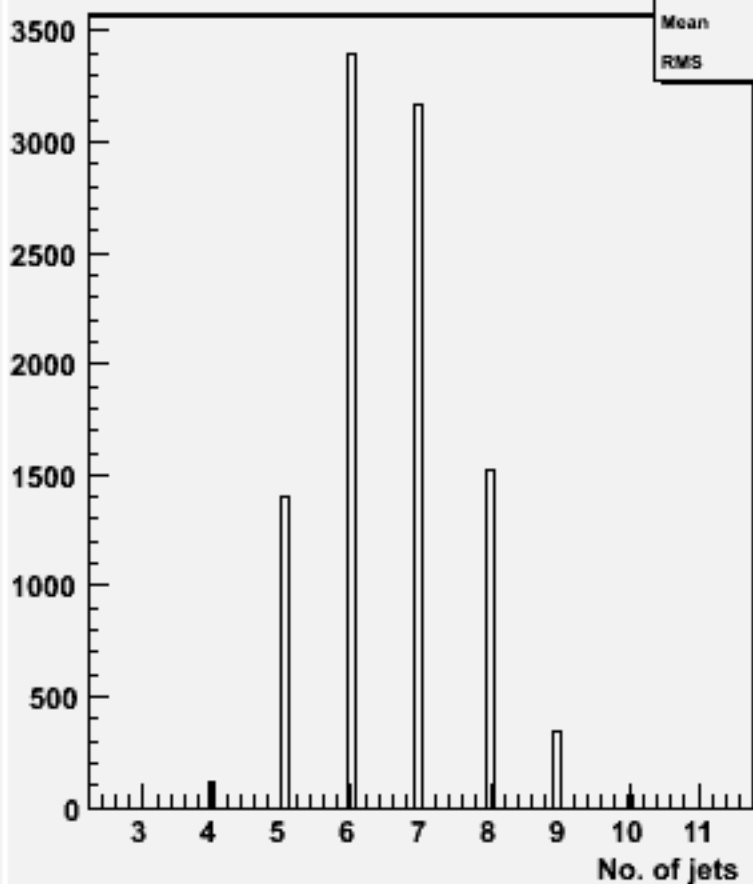


cos  $\Theta$ (thrust) w103122 e1a\_n1ssdu\_o

h\_csth

|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | 0.4704 |
| RMS     | 0.5905 |

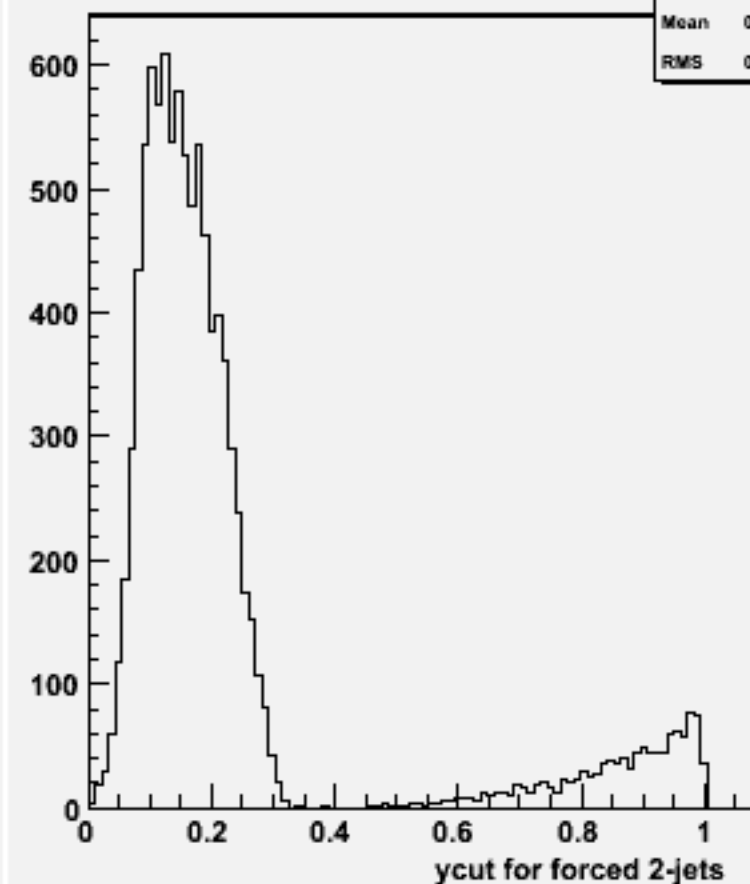
No. jets (ycut=0.001) : w103122 e1a\_n1ssdu\_o



h\_njets

|         |       |
|---------|-------|
| Entries | 10000 |
| Mean    | 6.582 |
| RMS     | 1.081 |

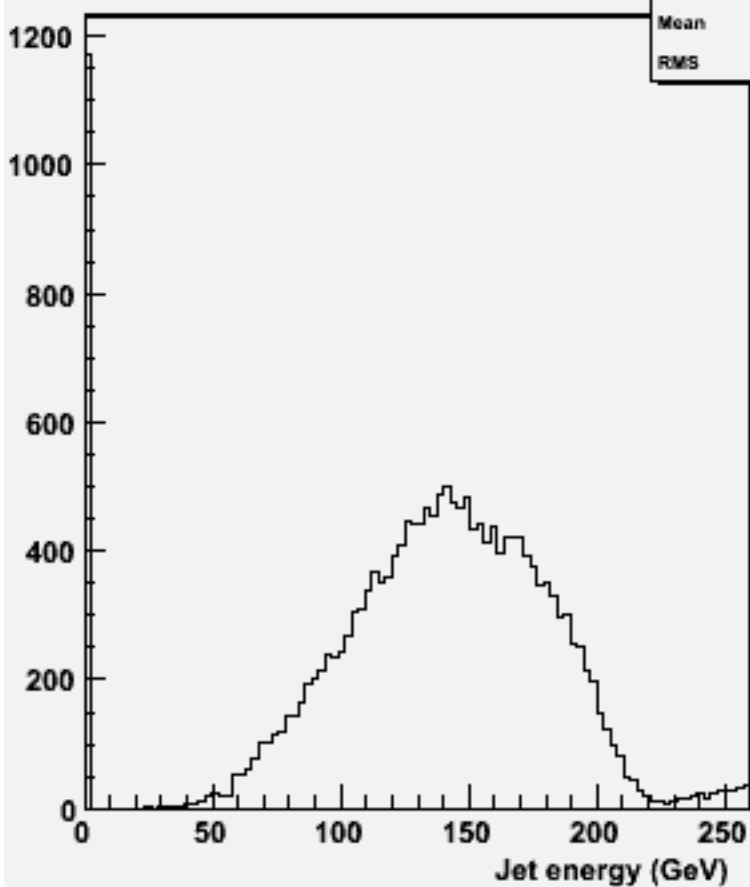
Ycut for 2-jets :w103122 e1a\_n1ssdu\_o



h\_yc2j

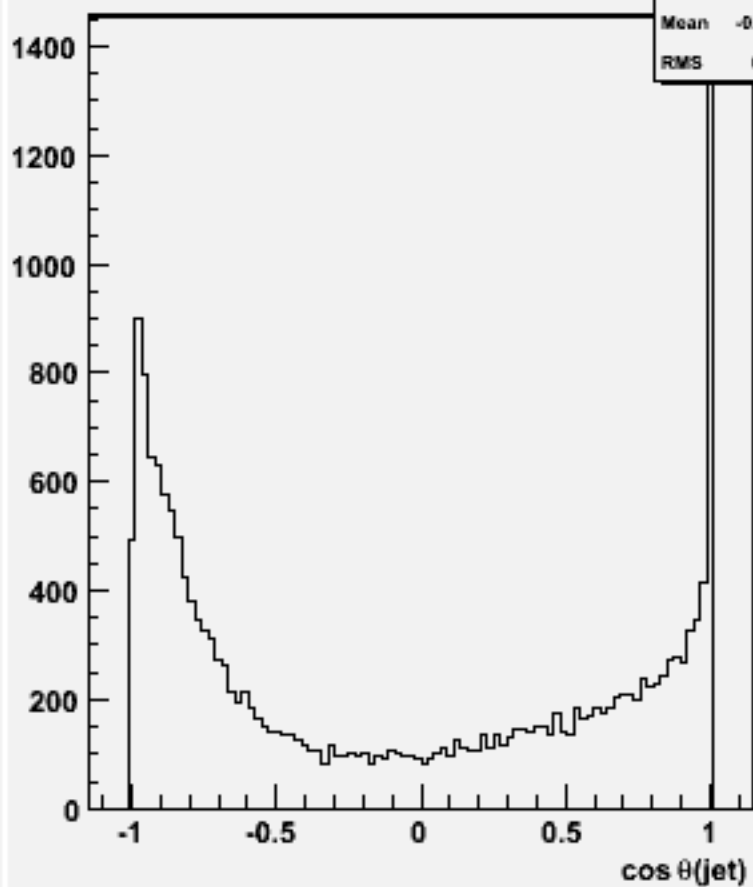
|         |        |
|---------|--------|
| Entries | 10000  |
| Mean    | 0.2354 |
| RMS     | 0.2362 |

energy for 2-jets :w103122 e1a\_n1ssdu\_o



h\_j0e

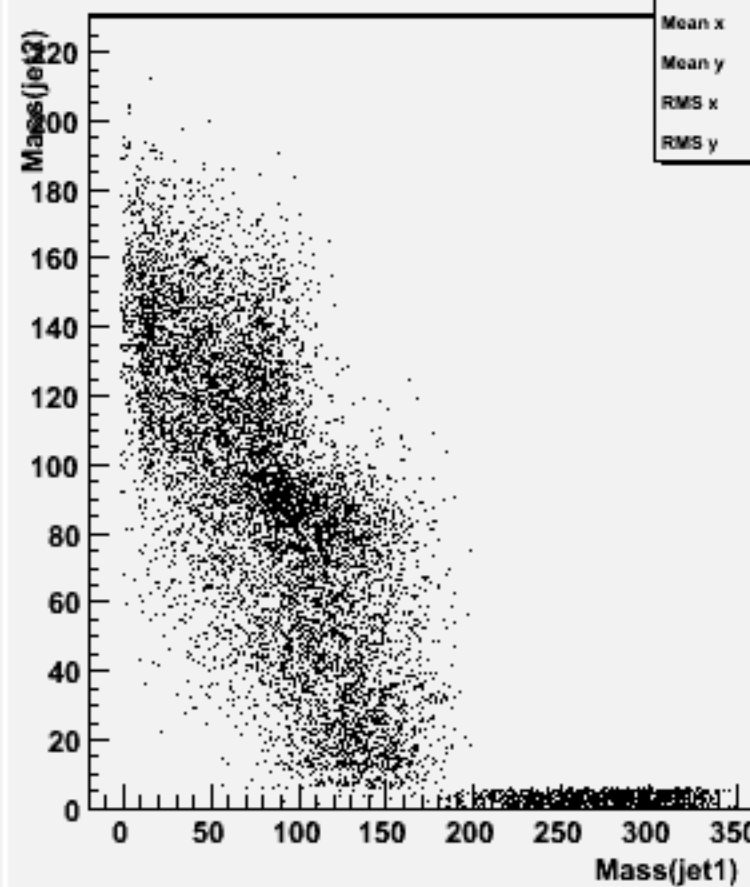
|         |       |
|---------|-------|
| Entries | 20000 |
| Mean    | 134.3 |
| RMS     | 50.12 |

cos  $\theta$  for 2-jets :w103122 e1a\_n1ssdu\_o

h\_j0cs

|         |          |
|---------|----------|
| Entries | 20000    |
| Mean    | -0.09468 |
| RMS     | 0.7388   |

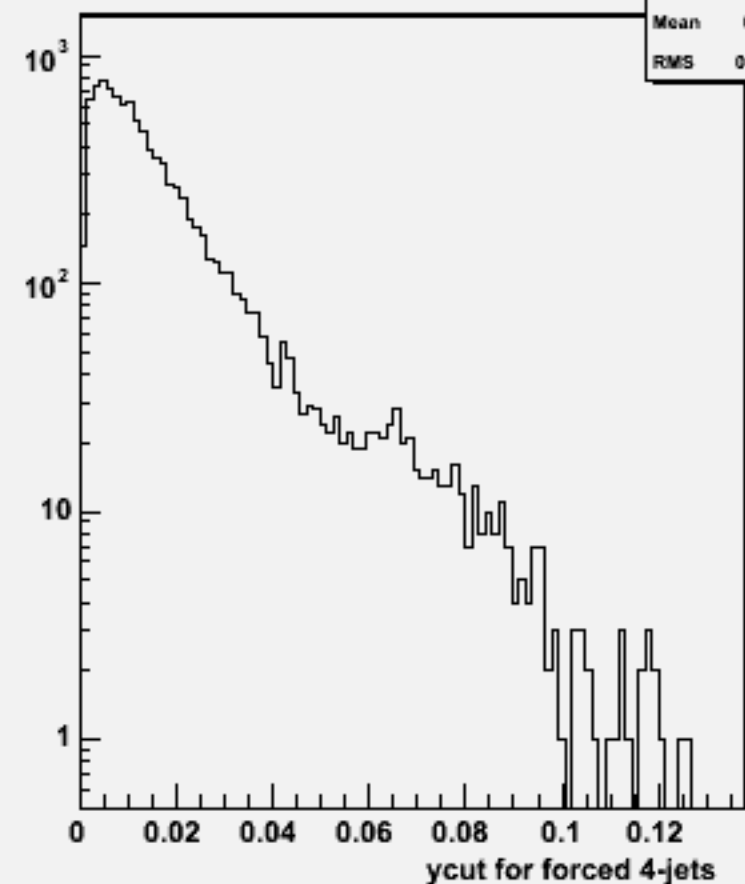
Jet mass for forced 2-jets : w103122 e1a\_n1ssdu\_o



h\_j0mj1m

|         |       |
|---------|-------|
| Entries | 10000 |
| Mean x  | 103.8 |
| Mean y  | 81.04 |
| RMS x   | 74.15 |
| RMS y   | 49.2  |

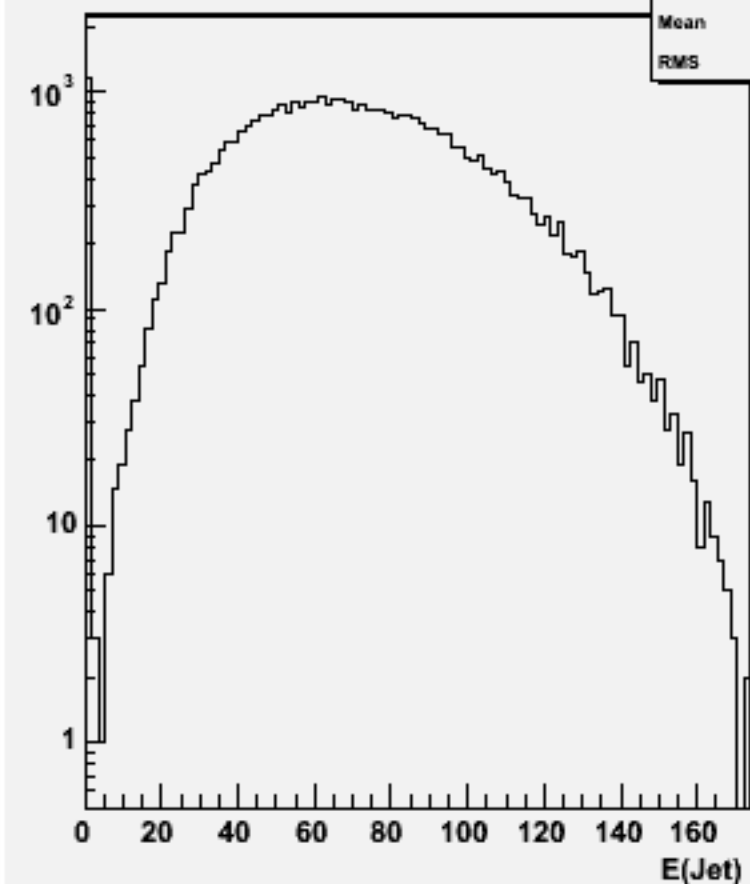
Ycut for 4-jets :w103122 e1a\_n1ssdu\_o



h\_yc4j

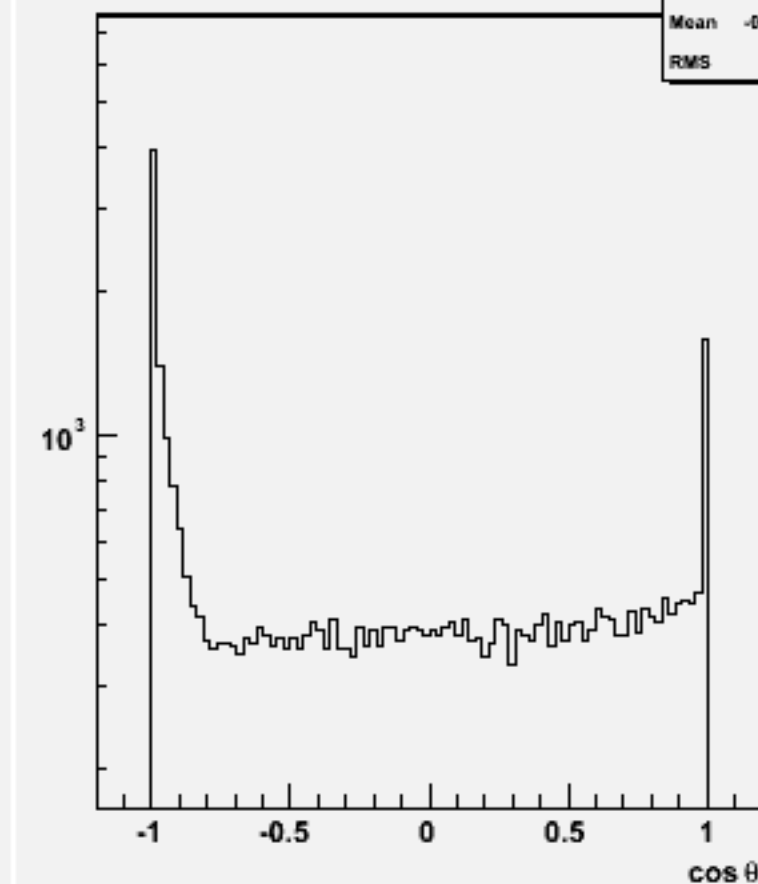
|         |         |
|---------|---------|
| Entries | 9998    |
| Mean    | 0.0165  |
| RMS     | 0.01662 |

Jet energies(All jets)w103122 e1a\_n1ssdu\_o



ha\_j0e

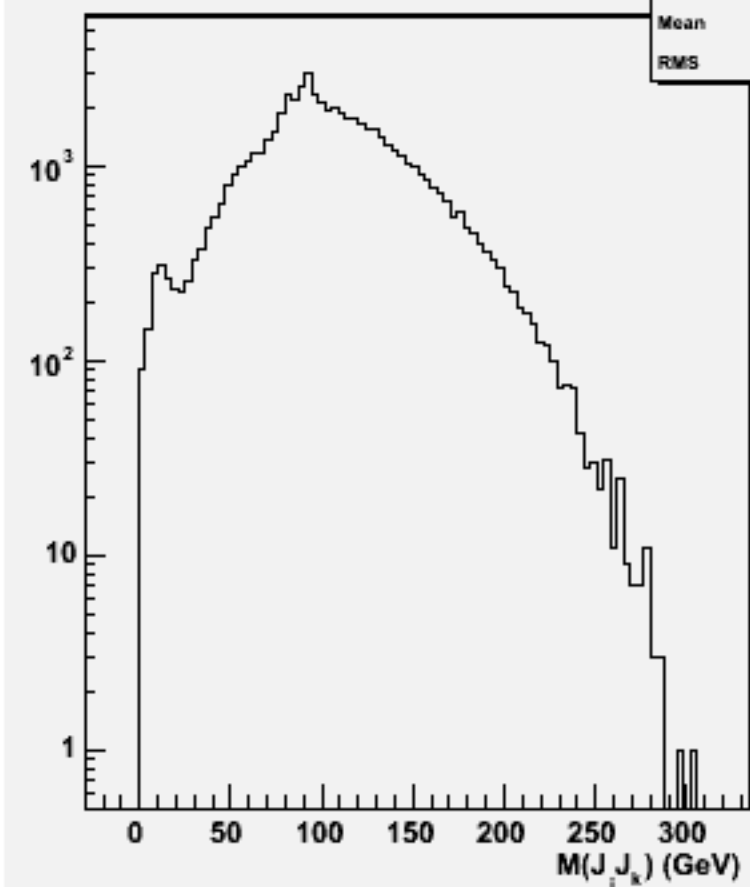
|         |       |
|---------|-------|
| Entries | 39992 |
| Mean    | 70.6  |
| RMS     | 30.6  |

Jet cos  $\theta$  (All jets)w103122 e1a\_n1ssdu\_o

ha\_j0cs

|         |          |
|---------|----------|
| Entries | 39992    |
| Mean    | -0.99978 |
| RMS     | 0.6688   |

2jets mass(All comb)w103122 e1a\_n1ssdu\_o



ha\_m01

|         |       |
|---------|-------|
| Entries | 59988 |
| Mean    | 107.2 |
| RMS     | 44.12 |