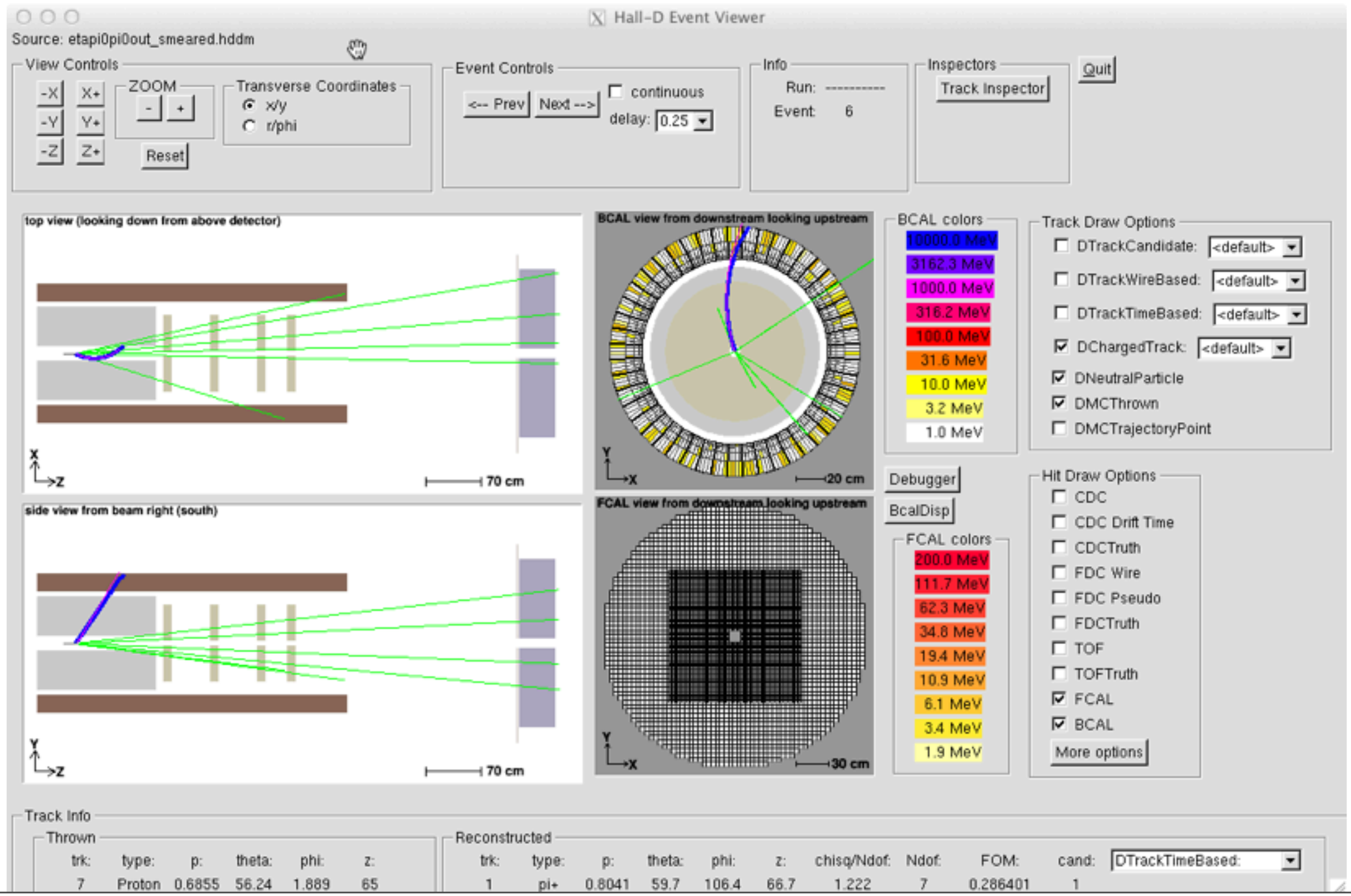
First Attempt at Simulations using Hybrid FCAL

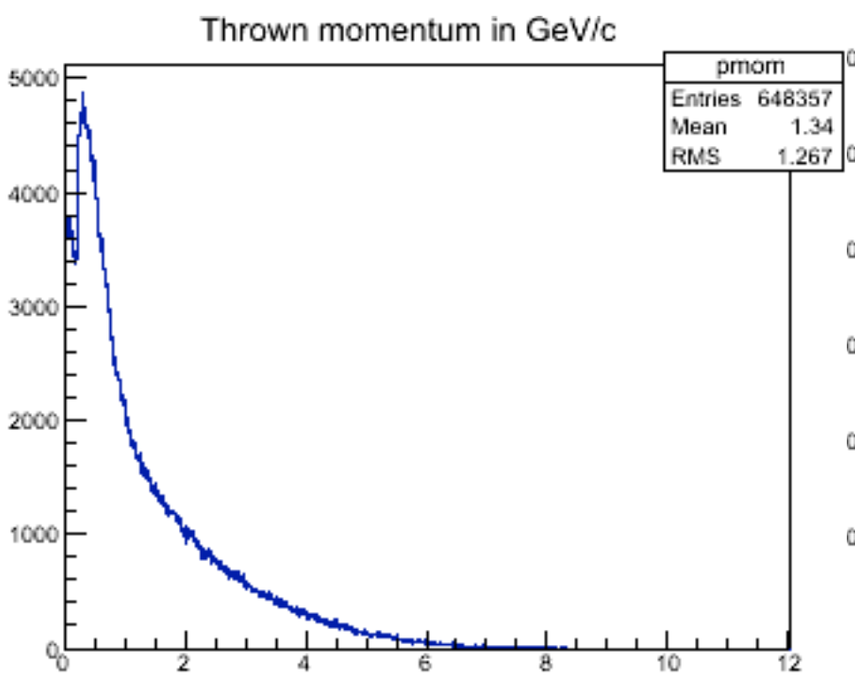
$$\gamma + p \rightarrow p + \eta + \pi^0 + \pi^0$$

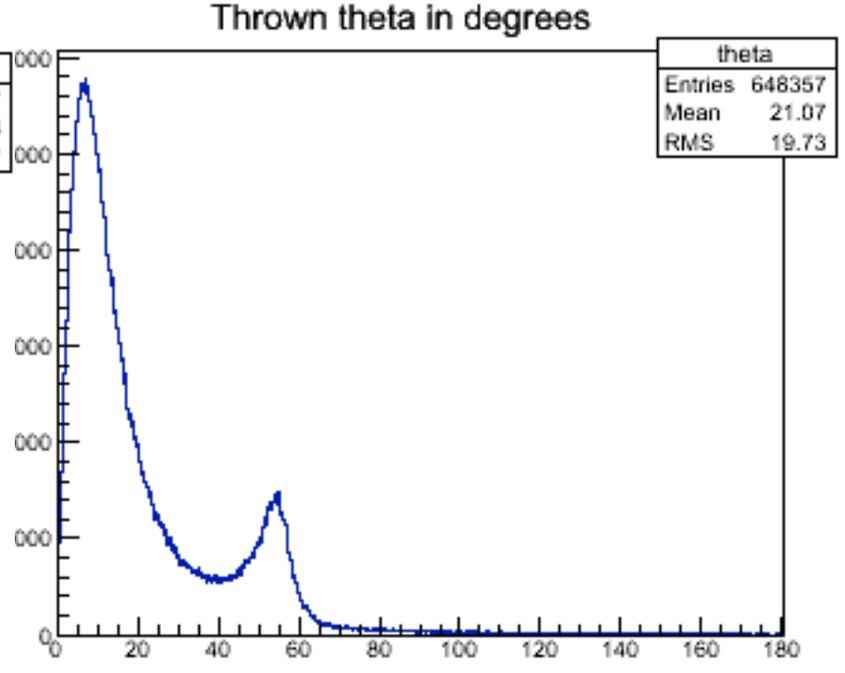
$$\downarrow$$

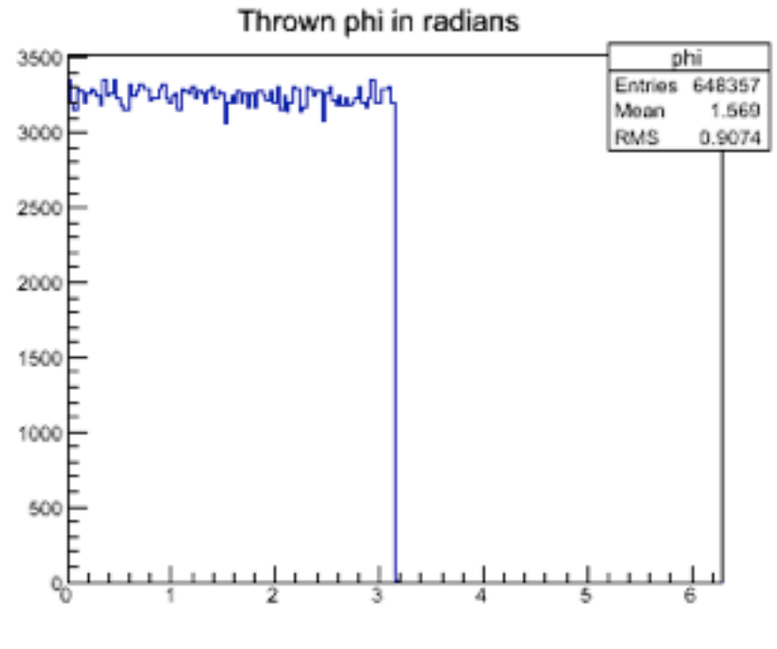
$$\gamma\gamma$$

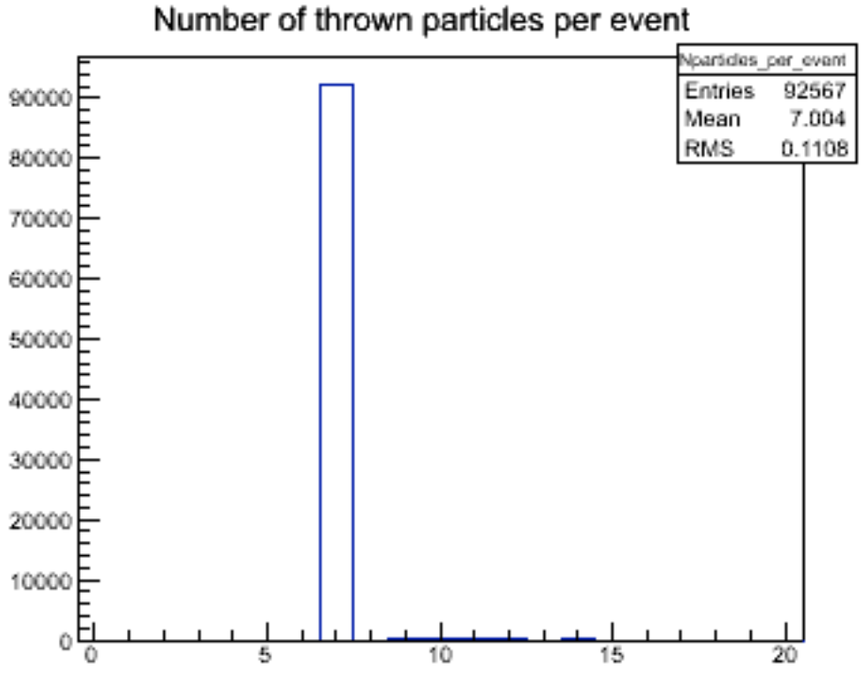


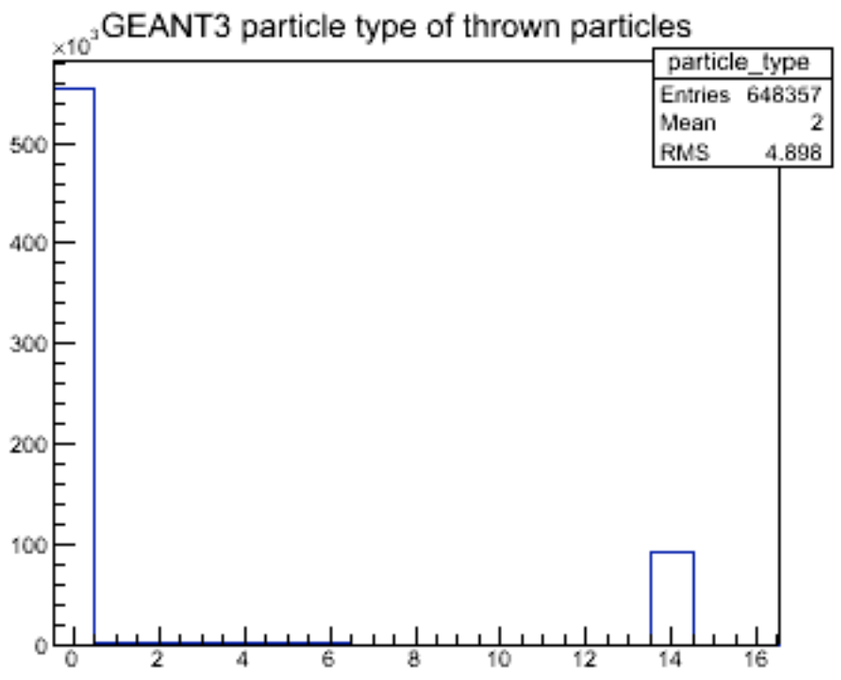
Thrown Events



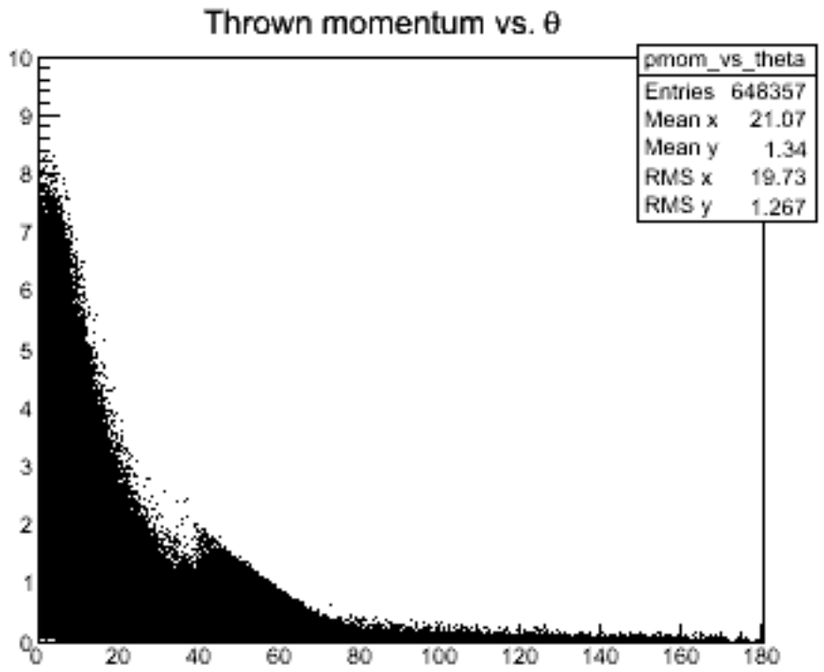


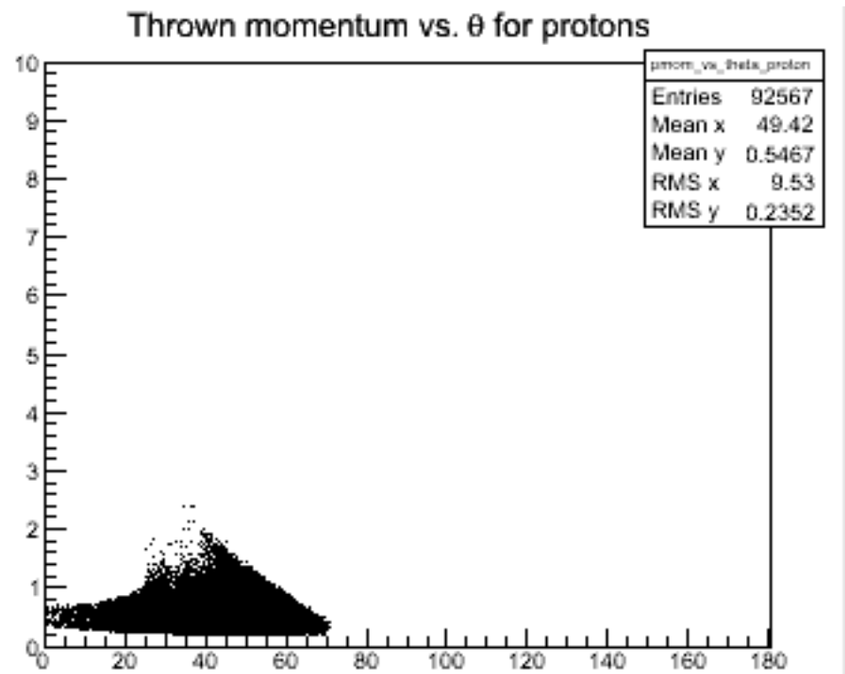


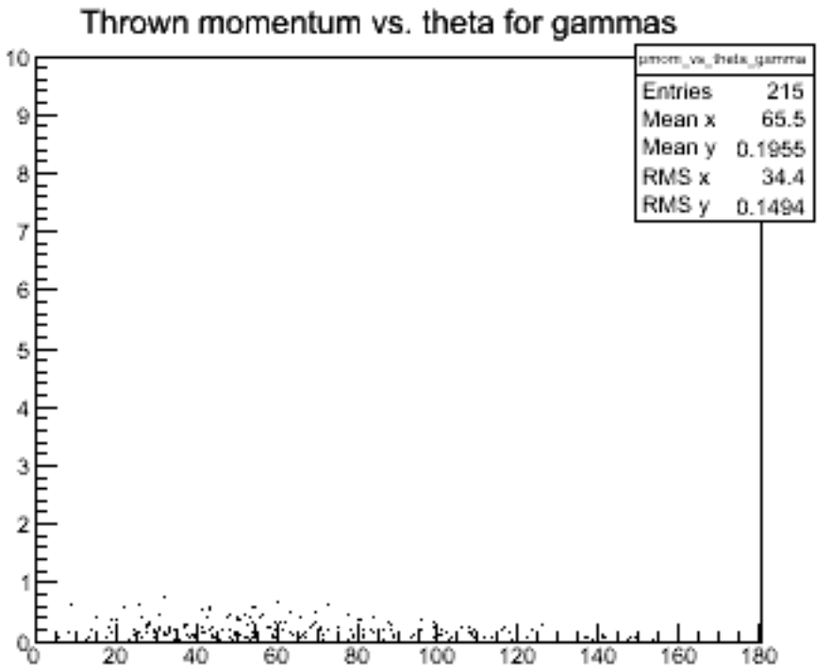


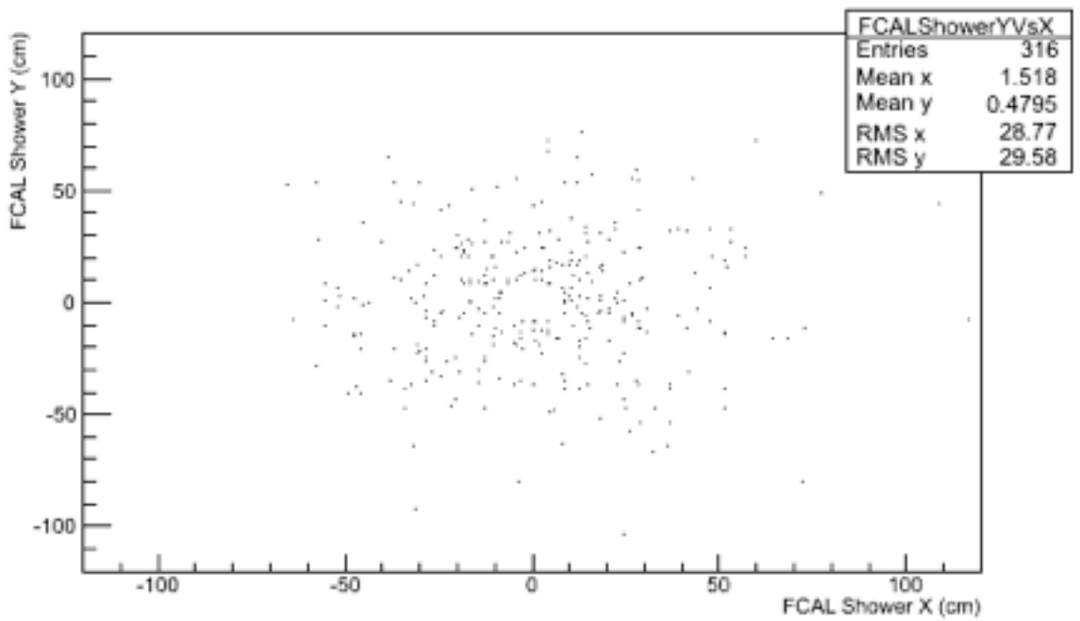


Thrown Events

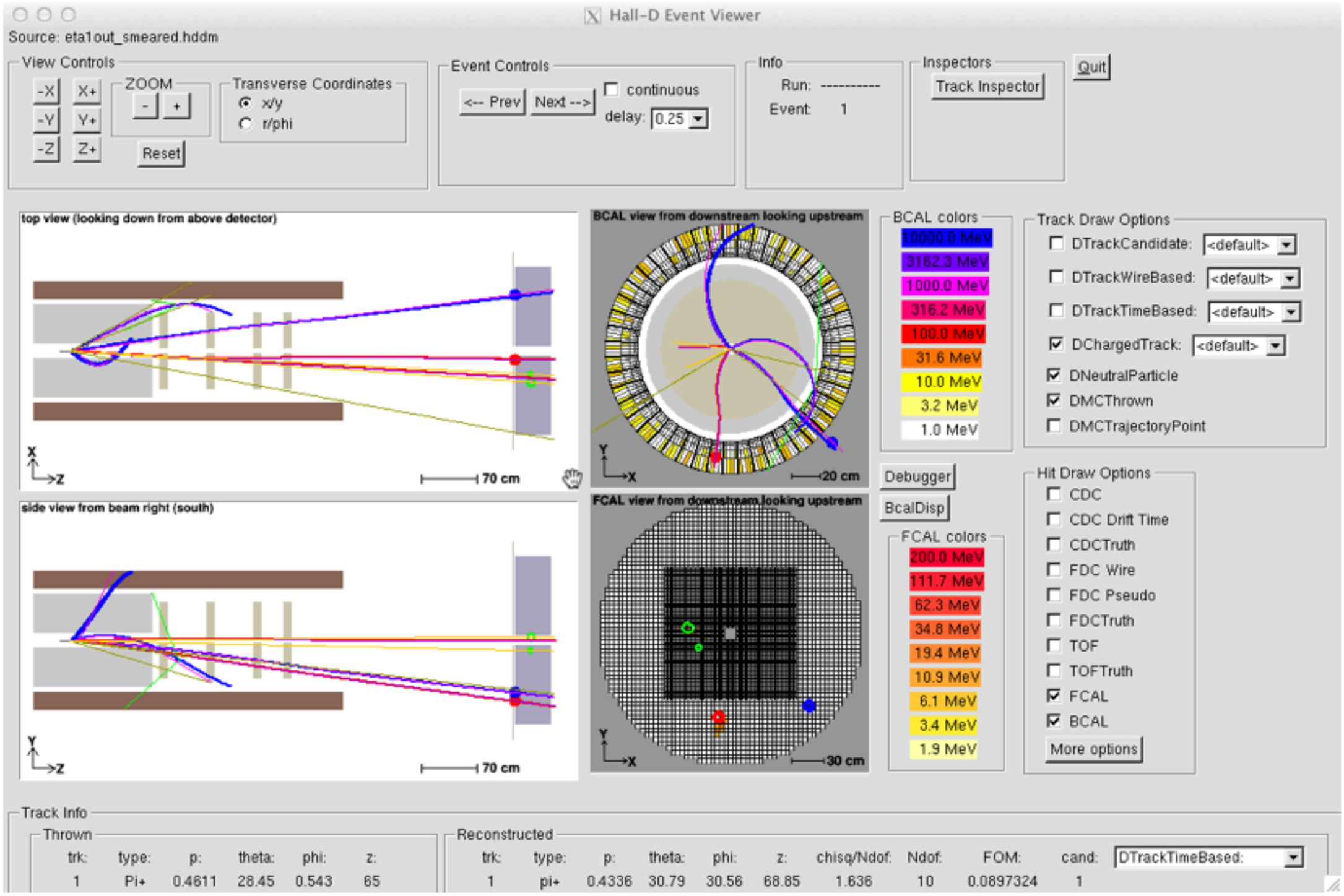




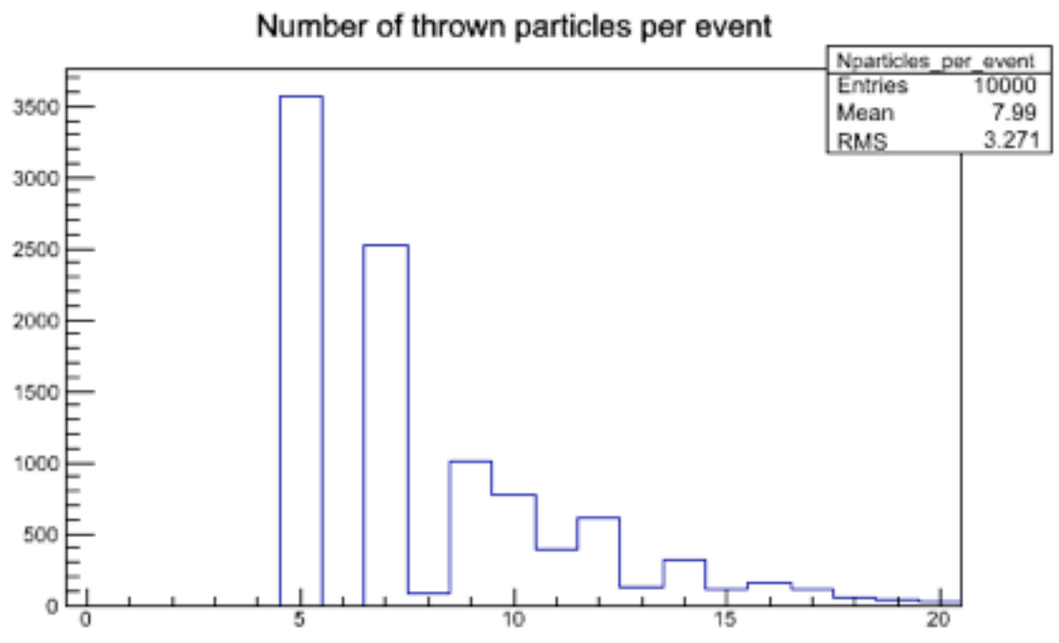


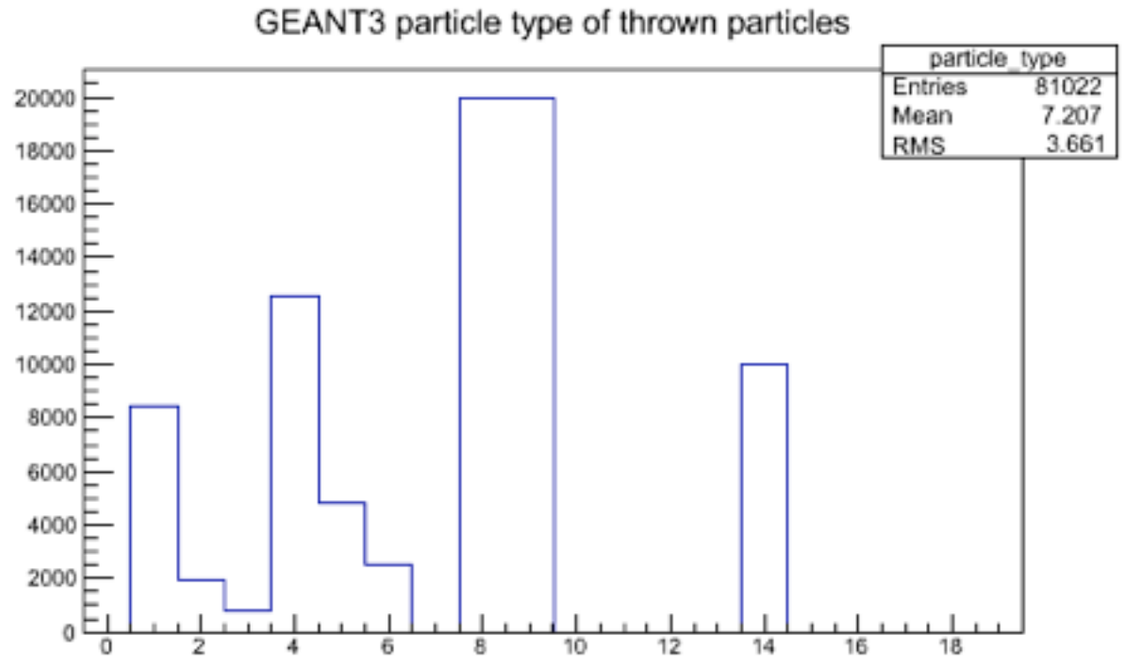


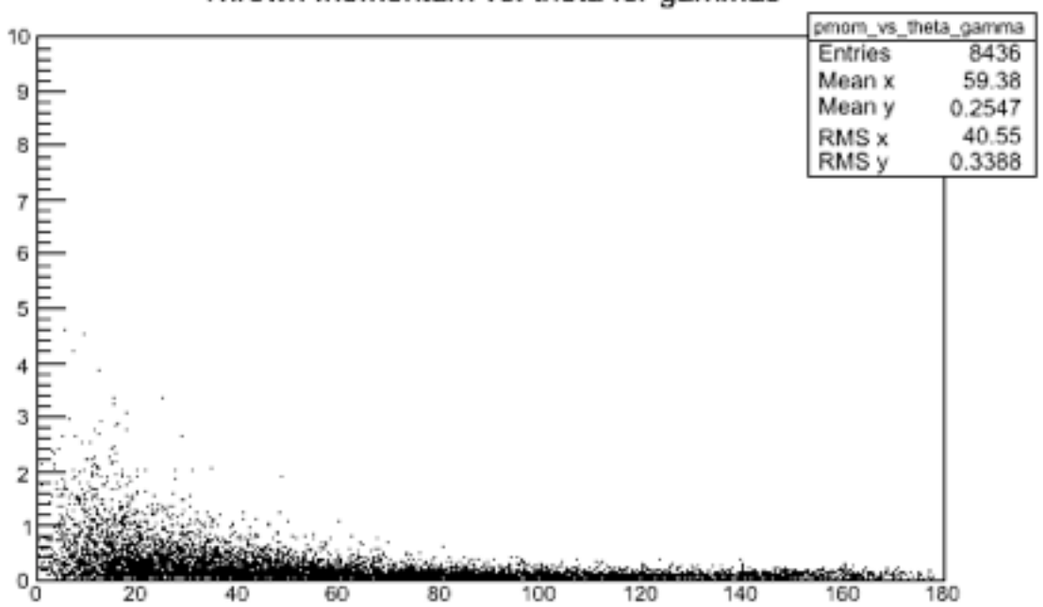
$$\gamma + p \rightarrow p + \eta + \pi^+ + \pi^+ + \pi^-$$
$$\downarrow$$
$$\gamma\gamma$$

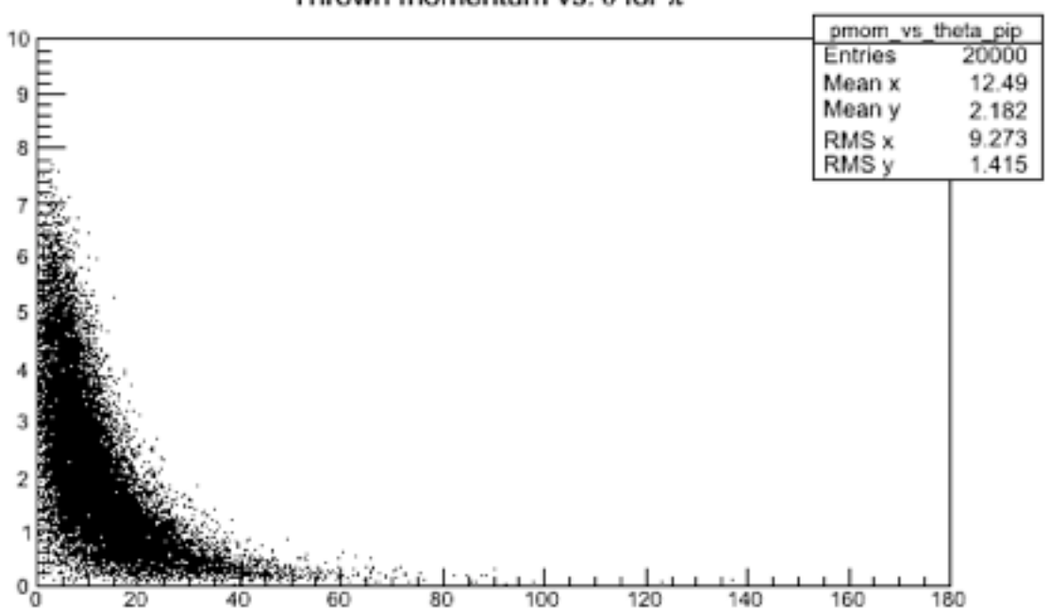


Thrown Events

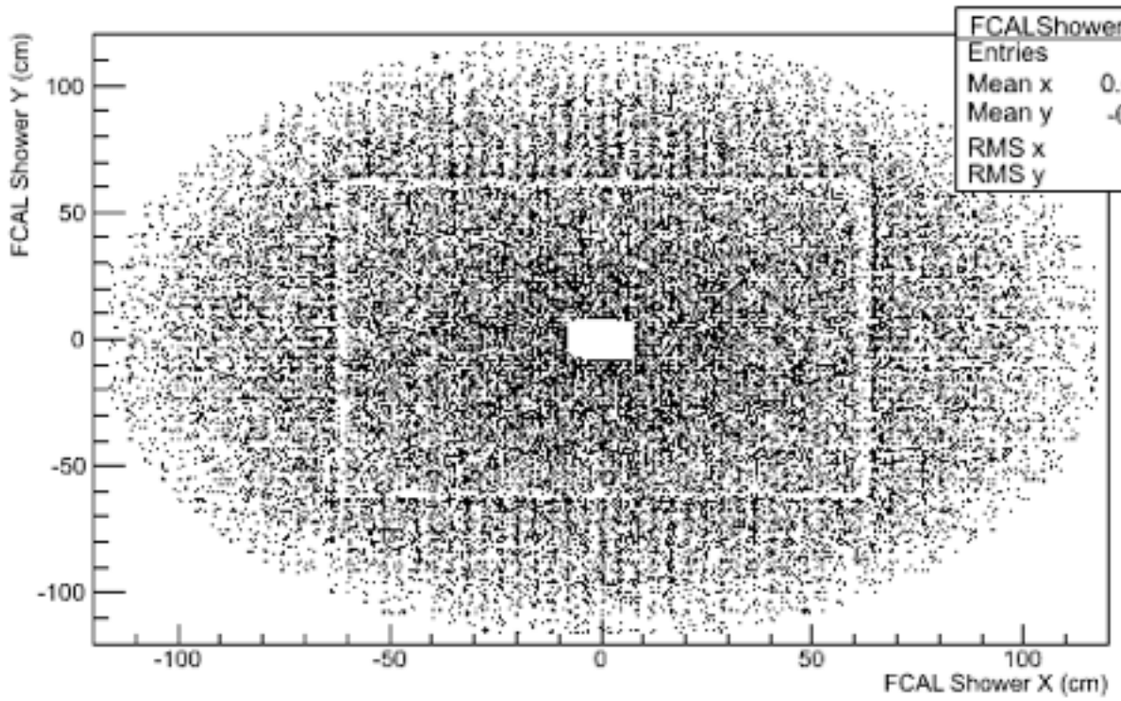


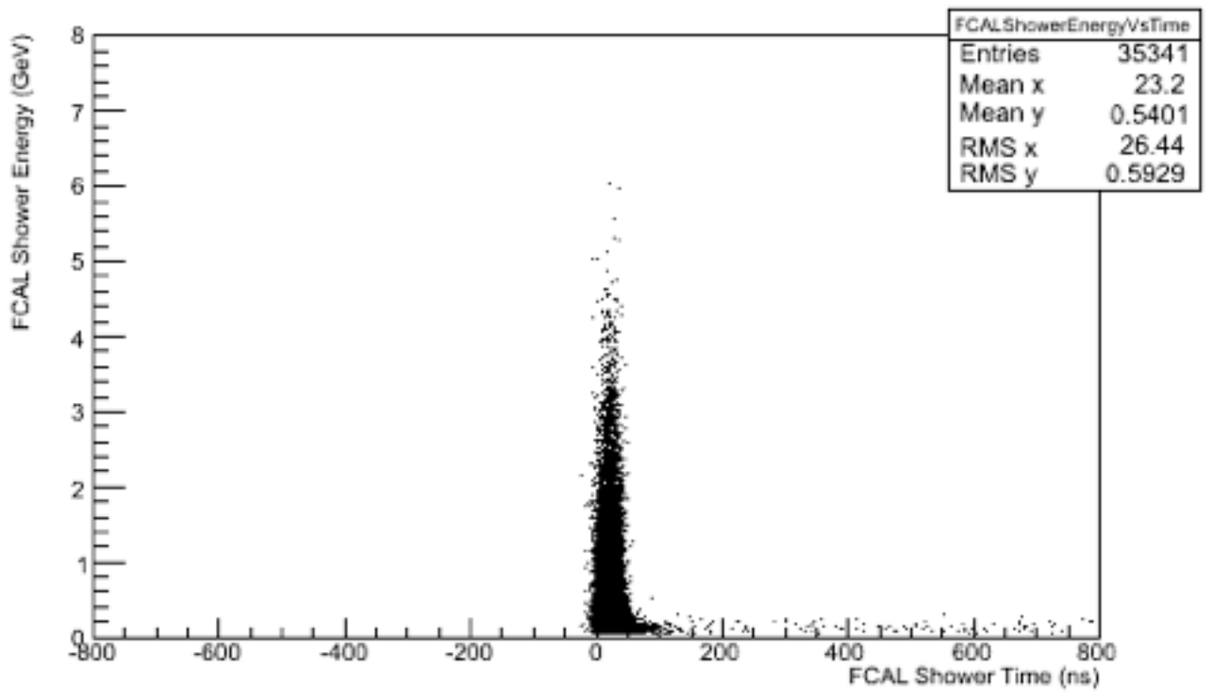






FCAL


FCALShowerYVsX
Entries 35341
Mean x 0.04358
Mean y -0.2489
RMS x 50.07
RMS y 49.94
FCAL Shower Y (cm)
FCAL Shower X (cm)
100
50
0
-50
-100


FCALShowerEnergyVsTime
Entries 35341
Mean x 23.2
Mean y 0.5401
RMS x 26.44
RMS y 0.5929
FCAL Shower Energy (GeV)
FCAL Shower Time (ns)
8
7
6
5
4
3
2
1
0
-800
-600
-400
-200
0
200
400
600
800