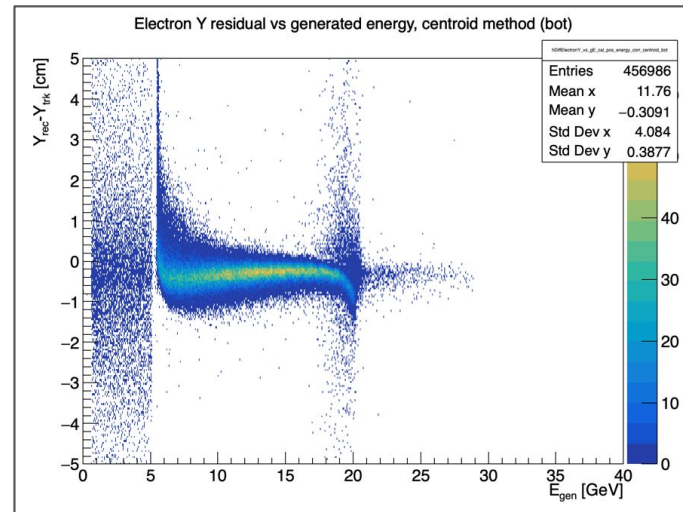
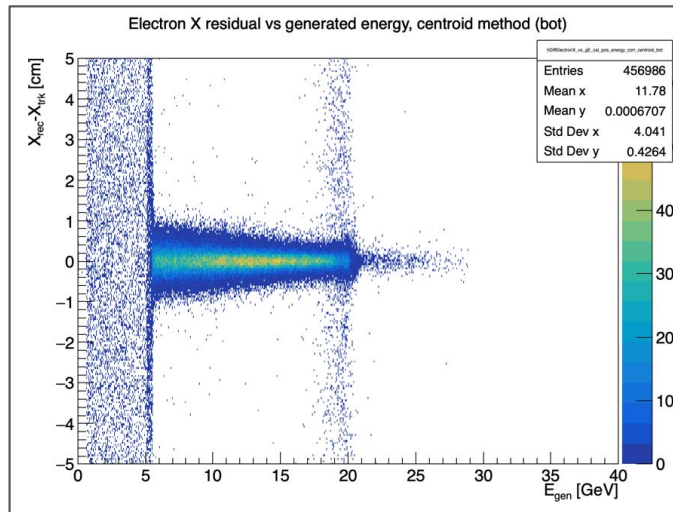
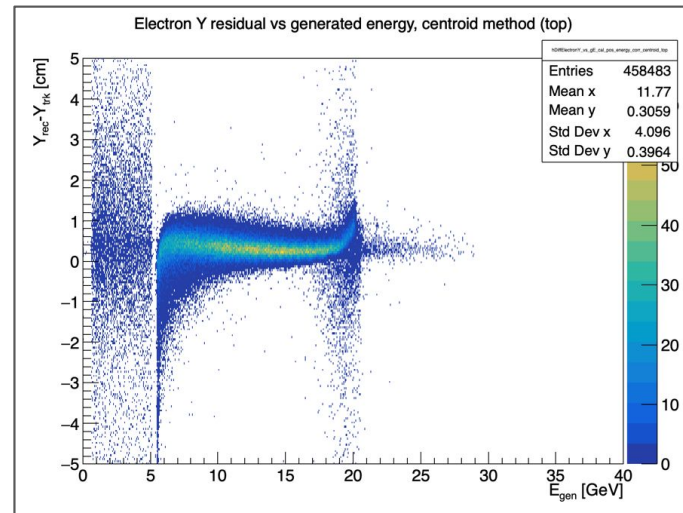
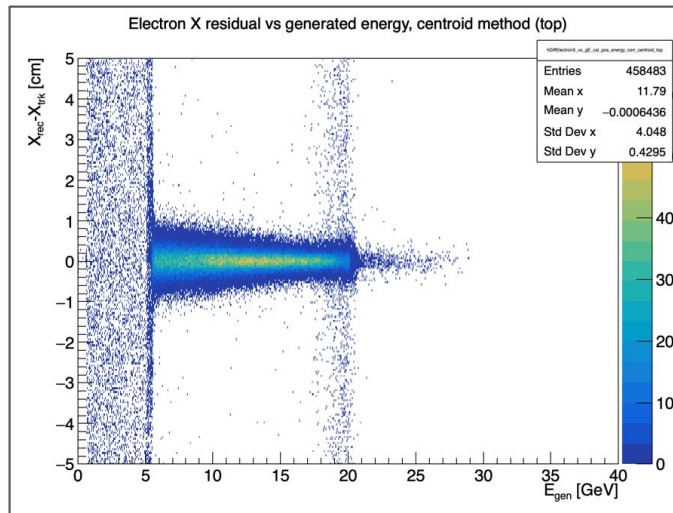
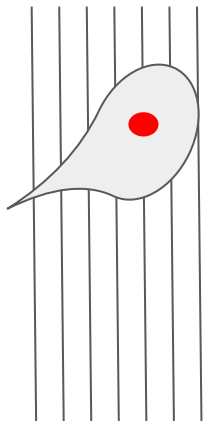


Position Resolution

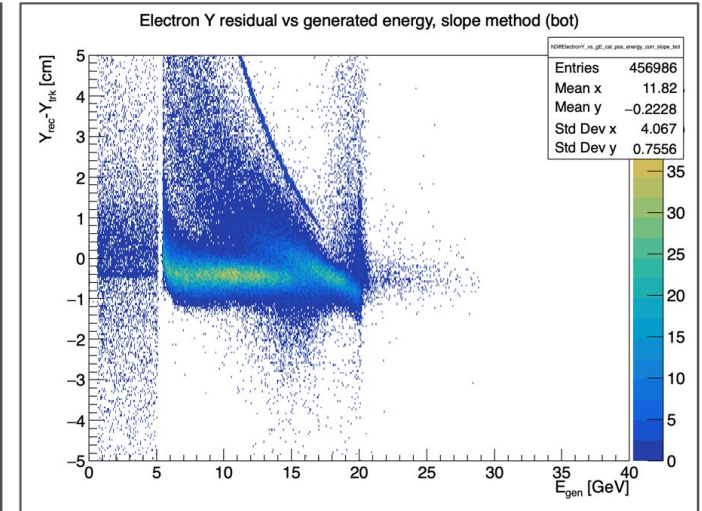
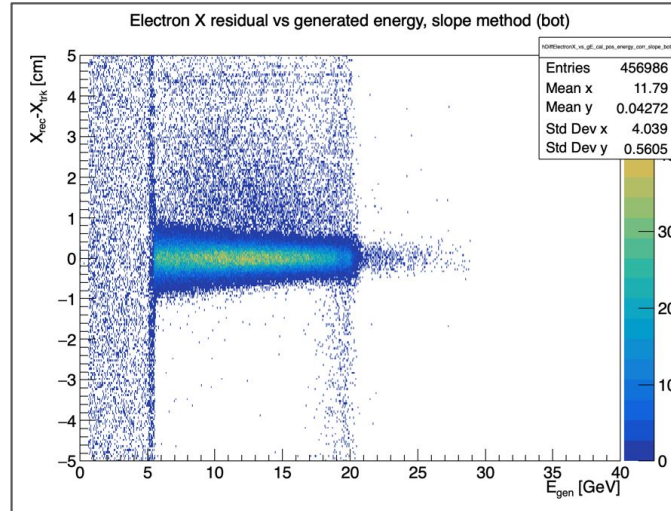
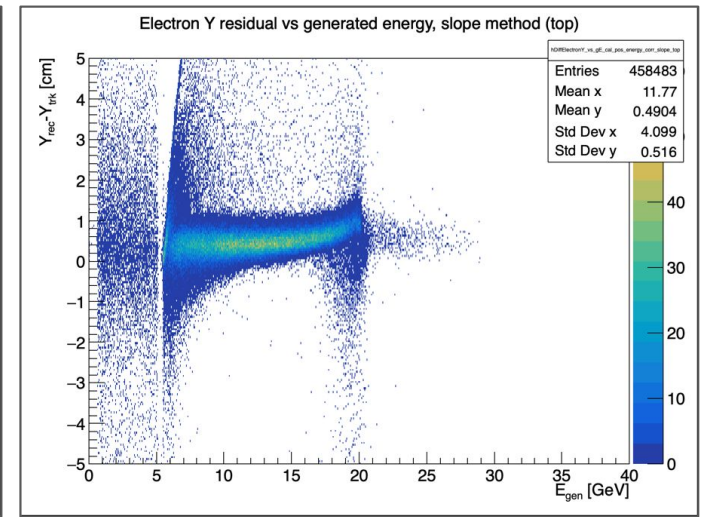
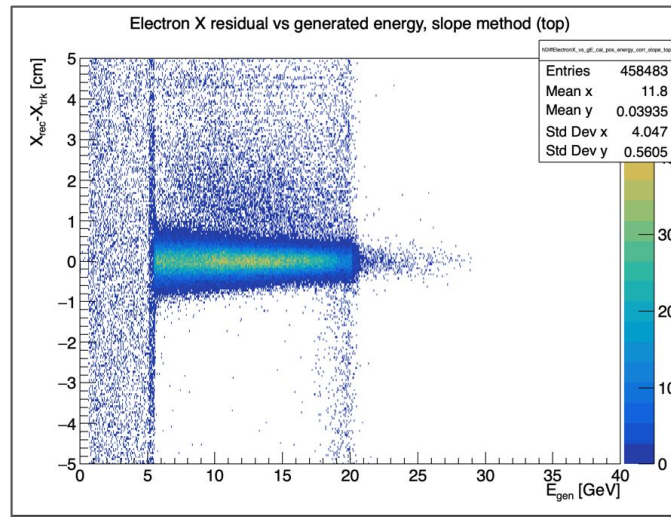
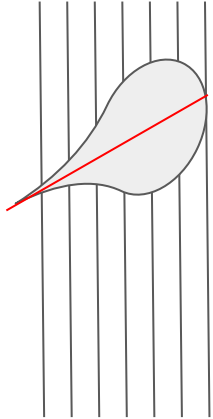
Photon vs Electron

09-10-26

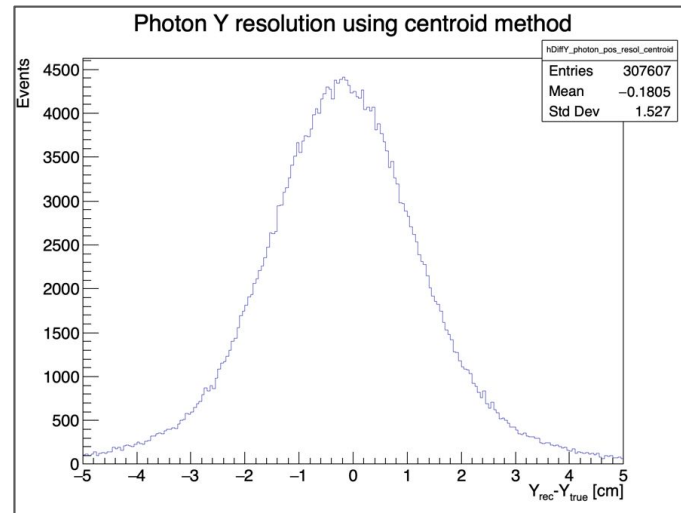
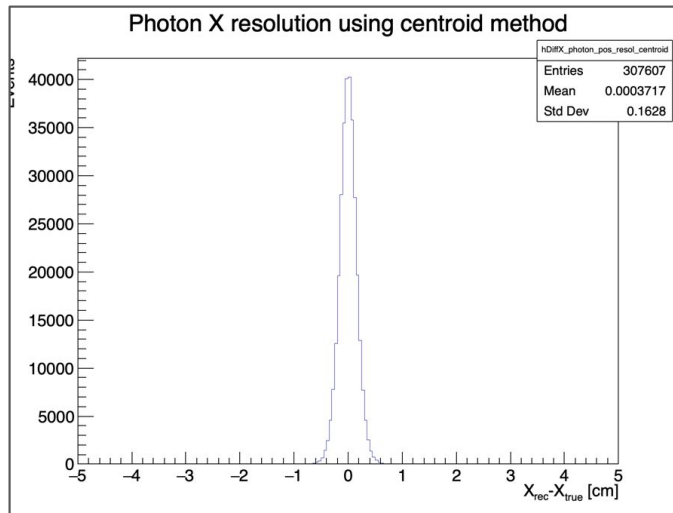
Electron's Position Resolution Centroid Method



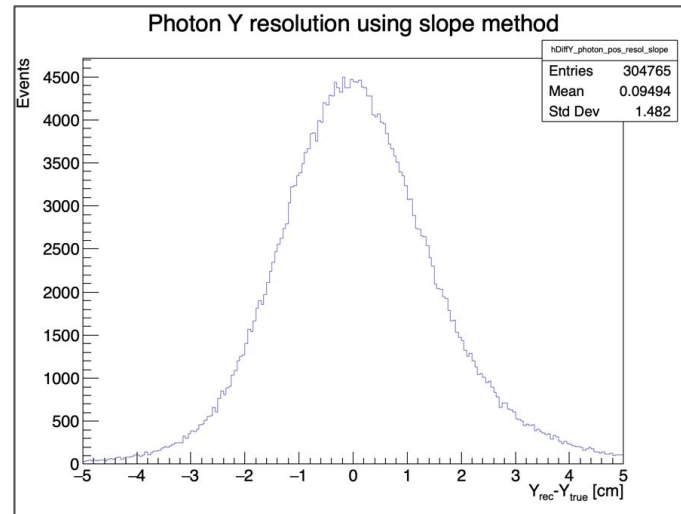
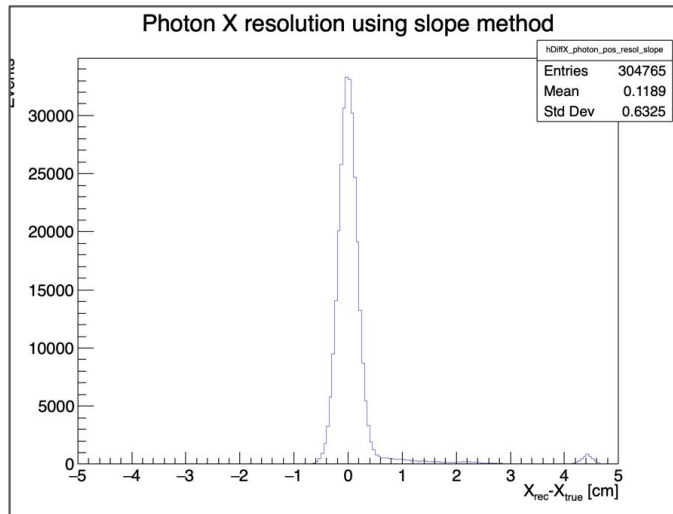
Electron's Position Resolution Slope Method



Photon's Position Resolution Centroid Method

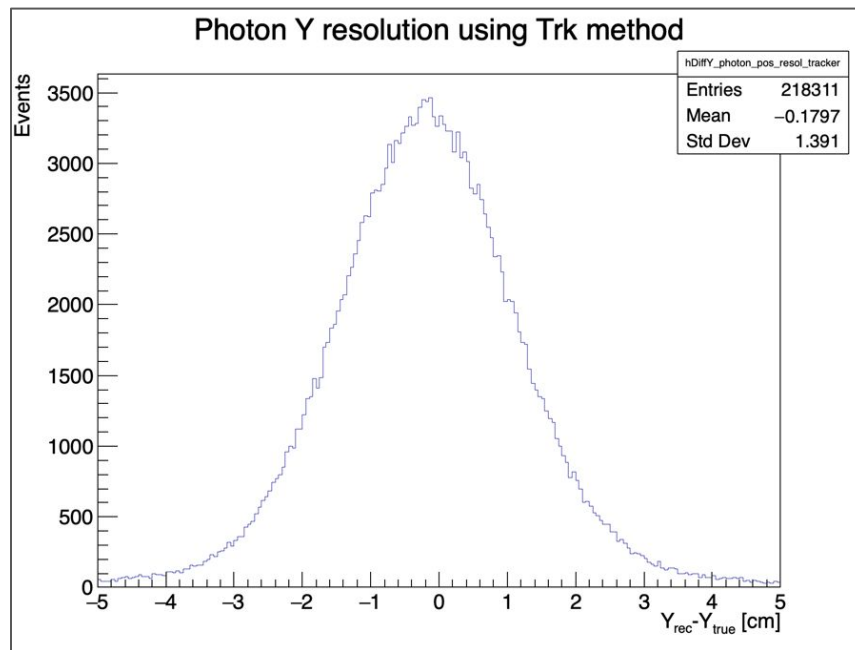
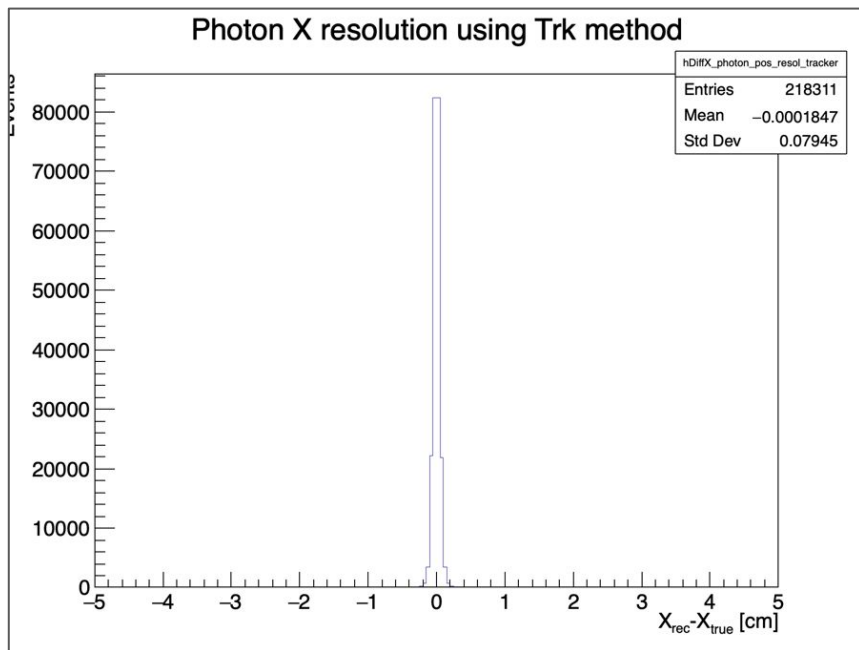


Photon's Position Resolution Slope Method



*Energy weighting of e^+e^- position along Y

Cross-Check with Tracker Position



Conclusions

1. Calorimeter resolution is same along x-y plane.
 - a. Independent of method.
 - b. Resolution is function of energy
 - i. some non-linearity trend along Y direction - electron hitting the edge of calorimeter.
2. Photon's Energy weighted Resolution is not same along x-y plane
 - a. Independent of method.
3. Tracker hit position were used with energy weighting to extract photon's true position
 - a. This method also show same trend as 2.