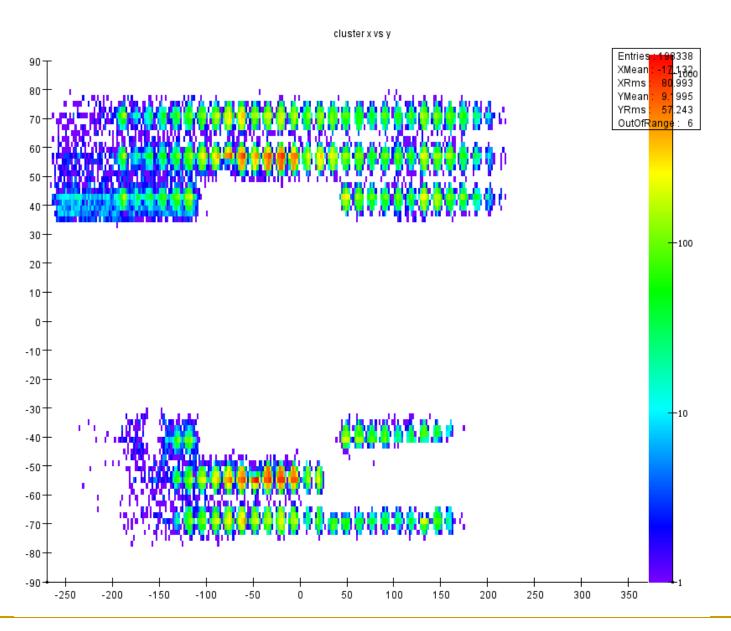
# Pass0 Analysis: SVT Hits and Timing

Norman Graf (SLAC)
Reconstruction / Analysis Meeting
March 28, 2023

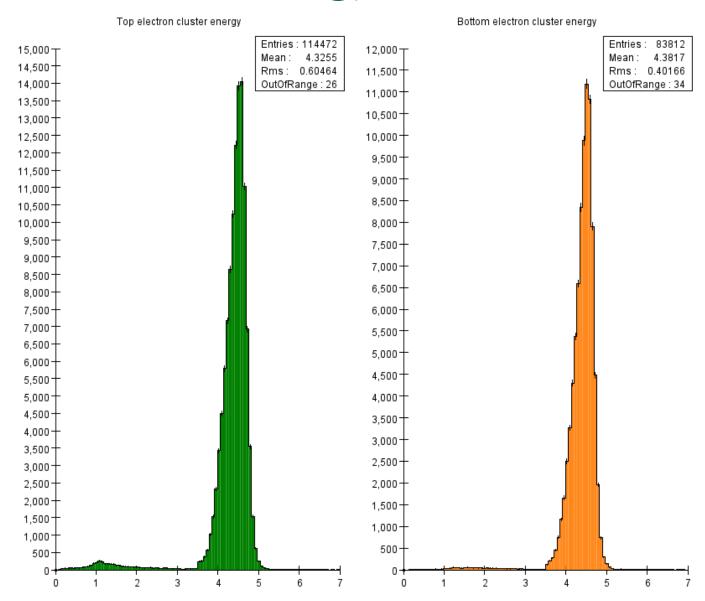
# SVT Hits and Timing Data

- 2019 pass0 FEE skims
- Quick look at SVT hits and timing

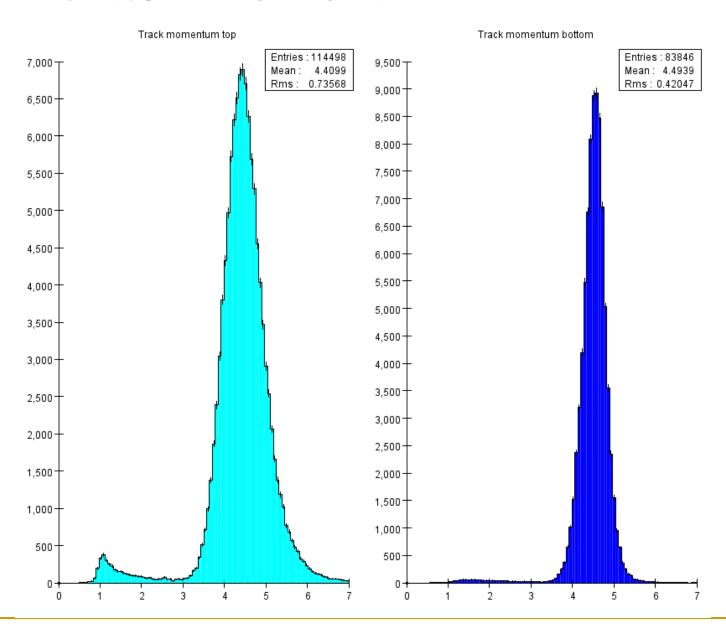
### FEE Cluster X vs Y



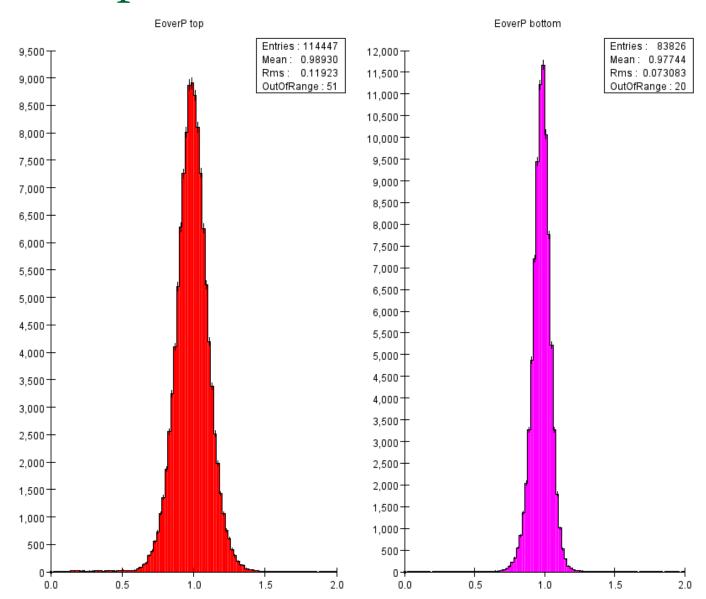
# FEE Cluster Energy



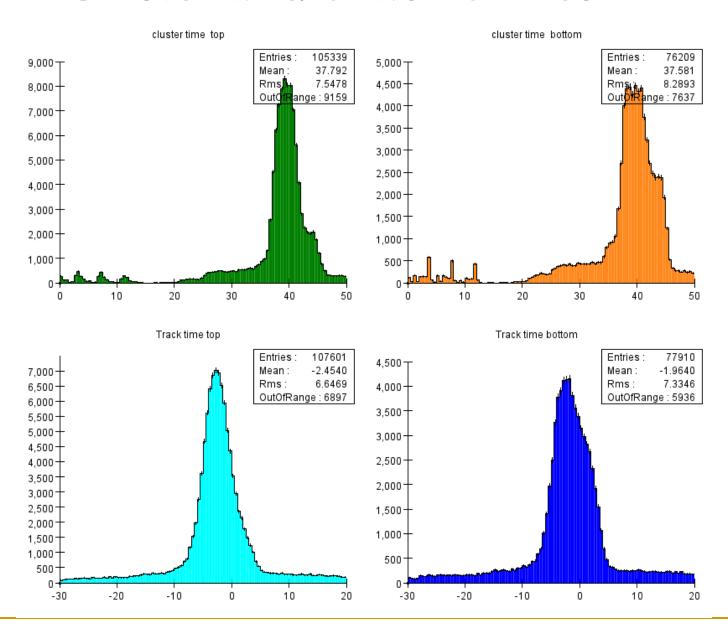
### FEE Track Momentum



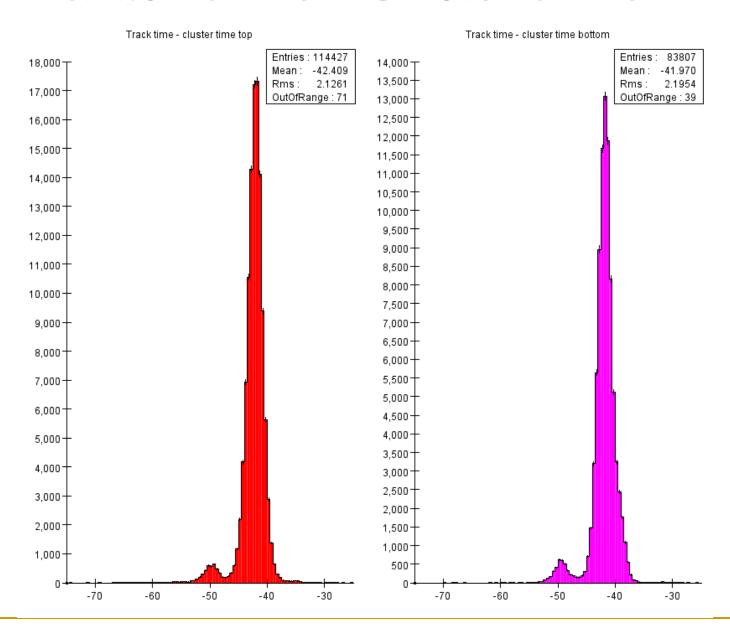
# FEE E/p

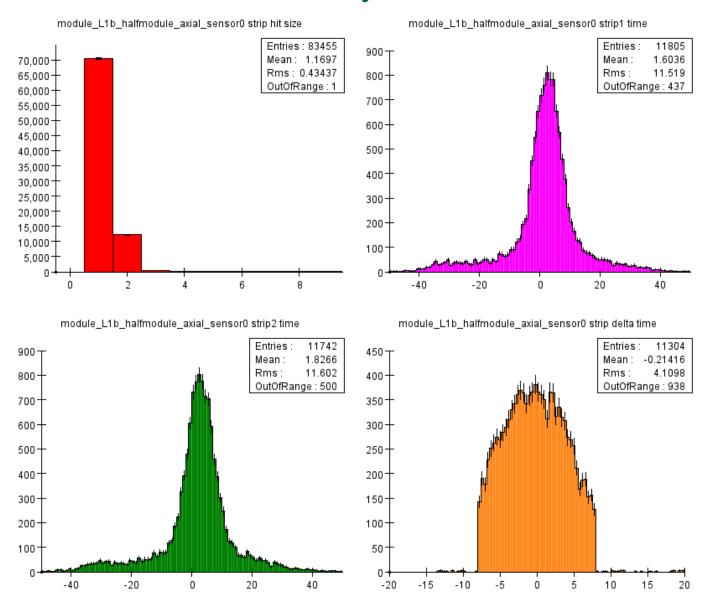


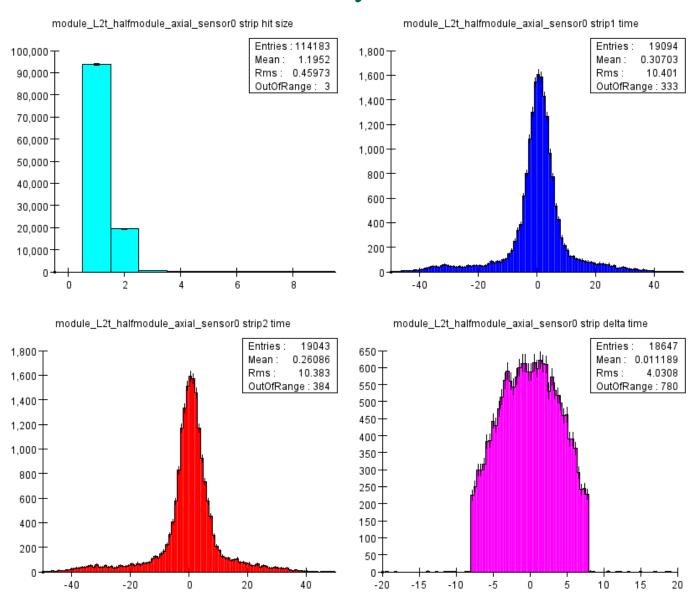
#### FEE Cluster and Track Times

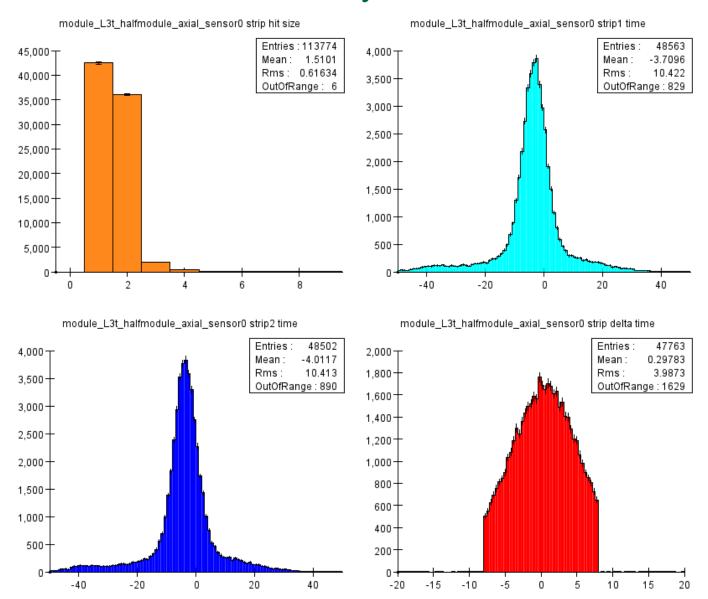


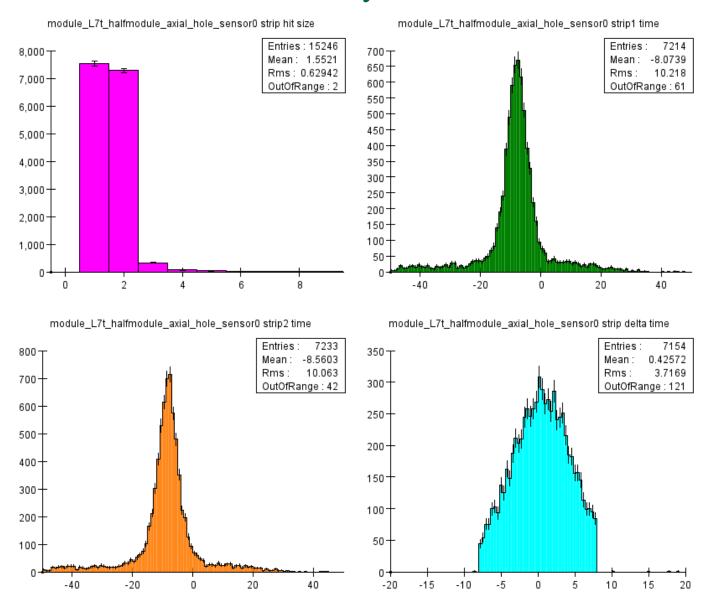
#### FEE Track Time - Cluster Time



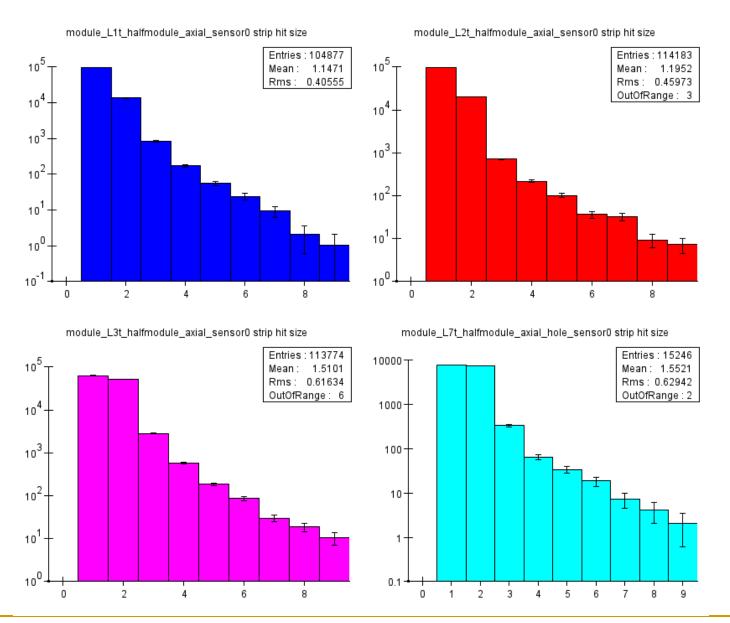








### SVT Hit Cluster Size

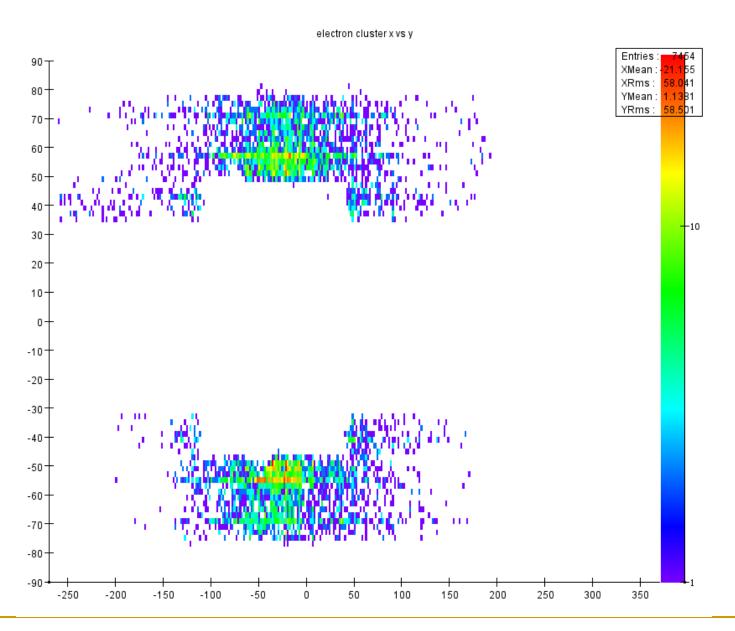


## Summary

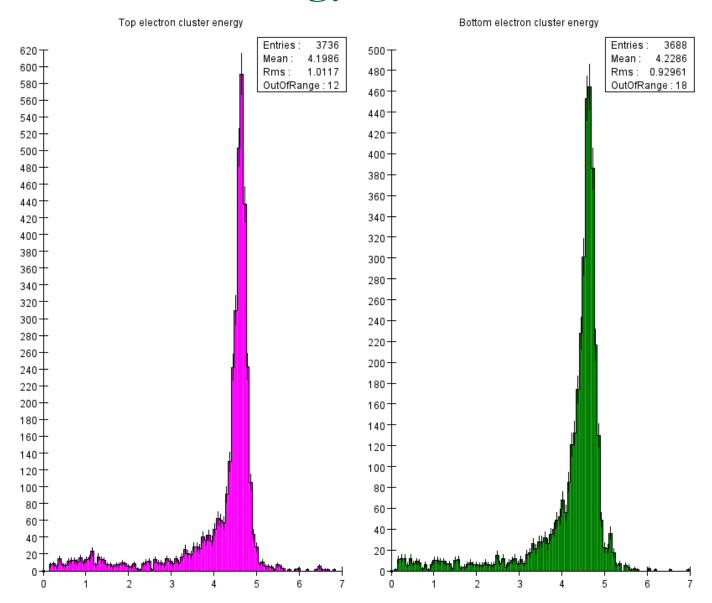
- SVT cluster sizes look ~OK
  - mostly single strip hits in layers 1 & 2
  - roughly equal numbers of 1 & 2 hit clusters
- See long tail up to and exceeding 9 hits in a cluster
- Cut on 8 ns delta-time between strips in cluster seems too aggressive at this time

# MC Backup

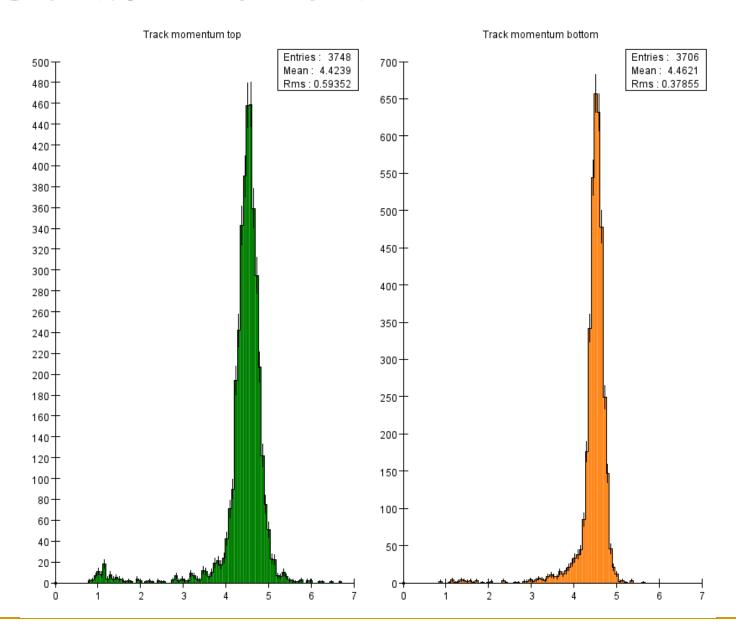
## MC Cluster X vs Y



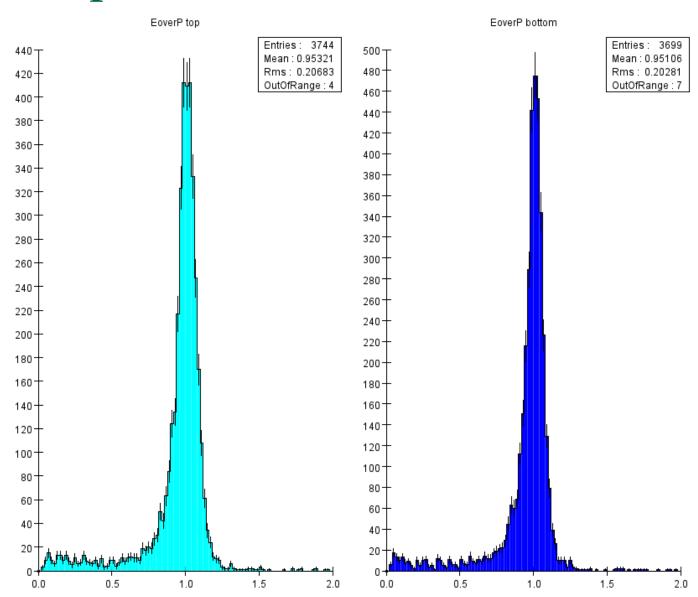
## MC Cluster Energy



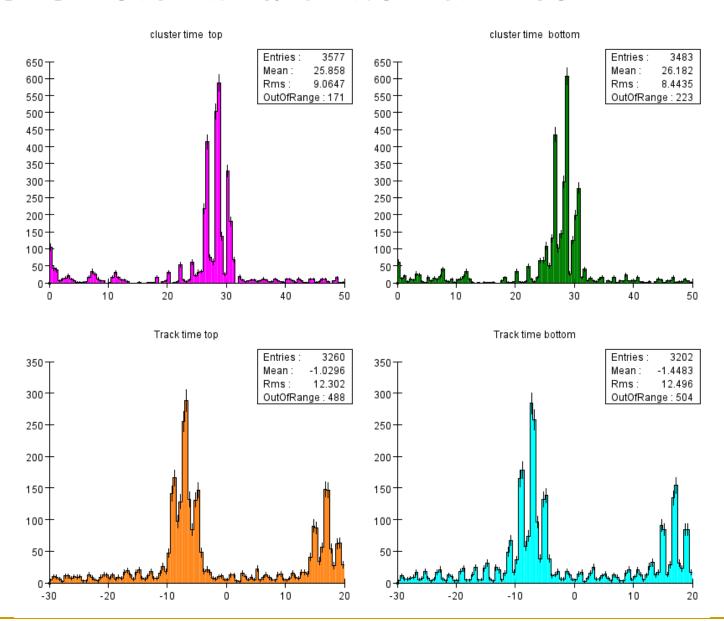
### MC Track Momentum



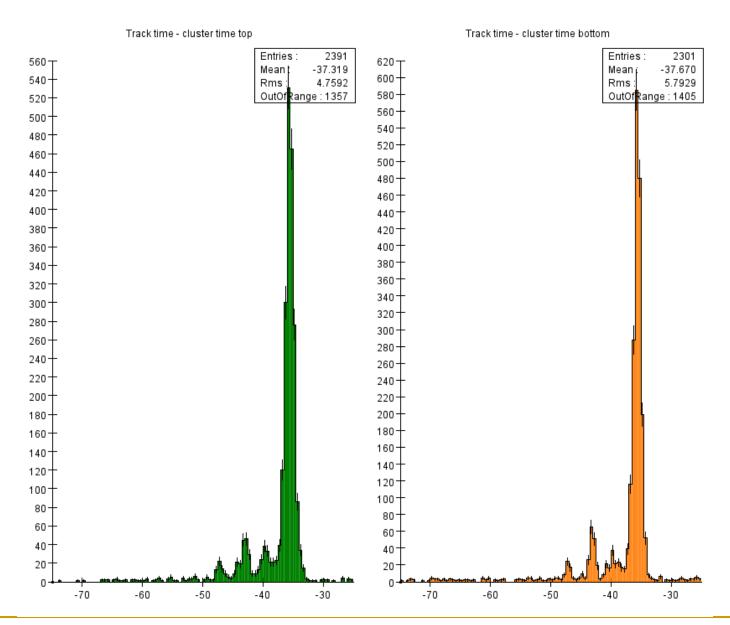
# MC E/p

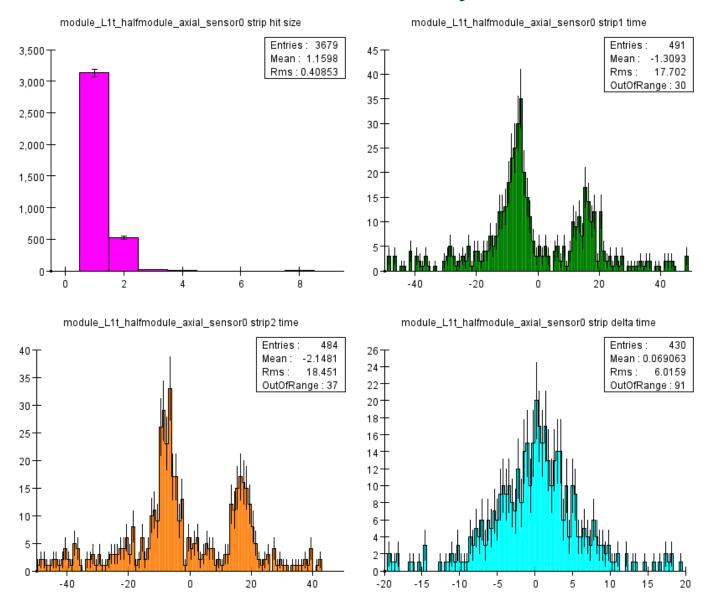


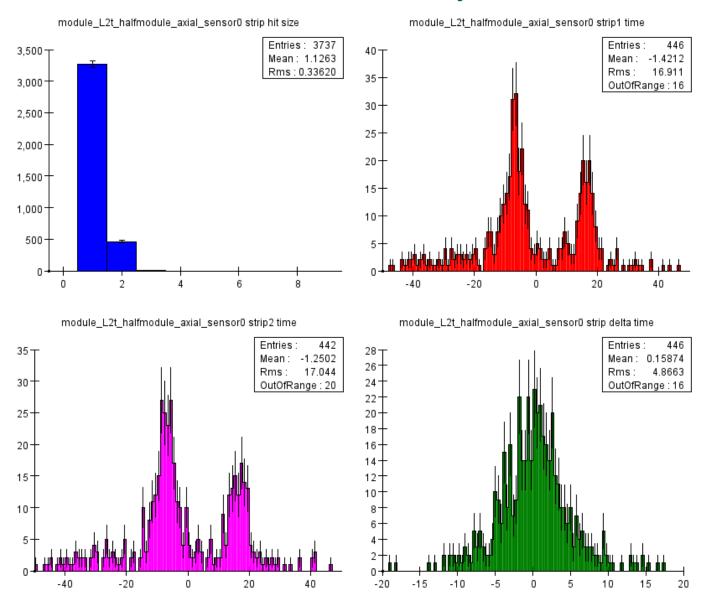
### MC Cluster and Track Times

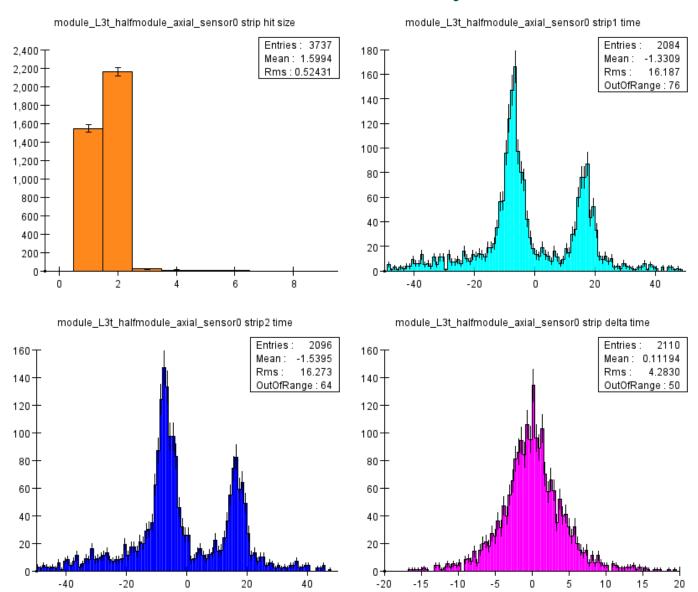


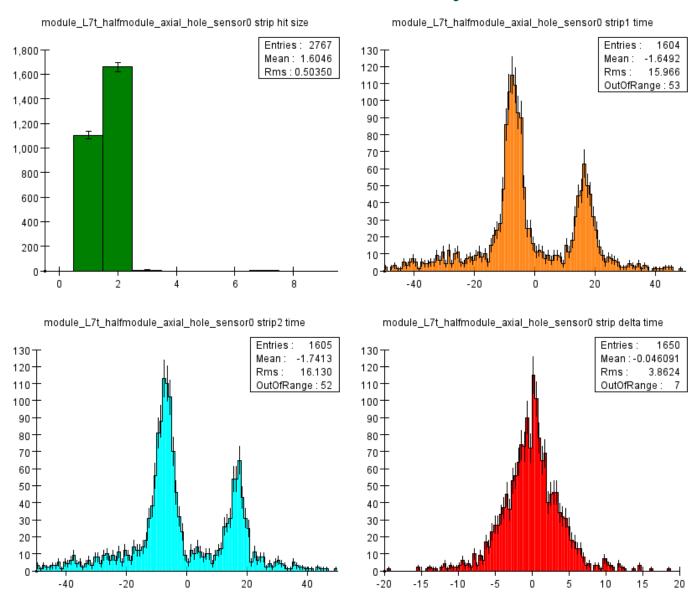
#### MC Track Time - Cluster Time











#### MC SVT Hit Cluster Size

