

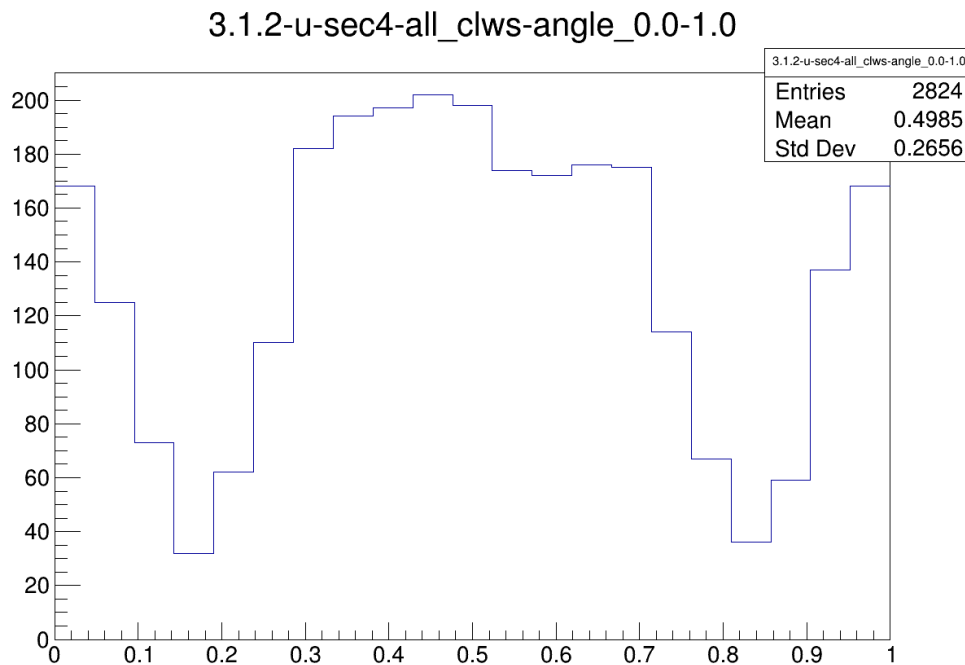
Eta correction sneak peek

- First proof of principle!
 - All three steps of the calibration framework run
 - Uses RecoTracks
 - Can update the position and error estimate of SVDClusters
- Can run on large data set with refit workaround
 - Thanks to Thomas and Nils
 - Got rid of all const casts

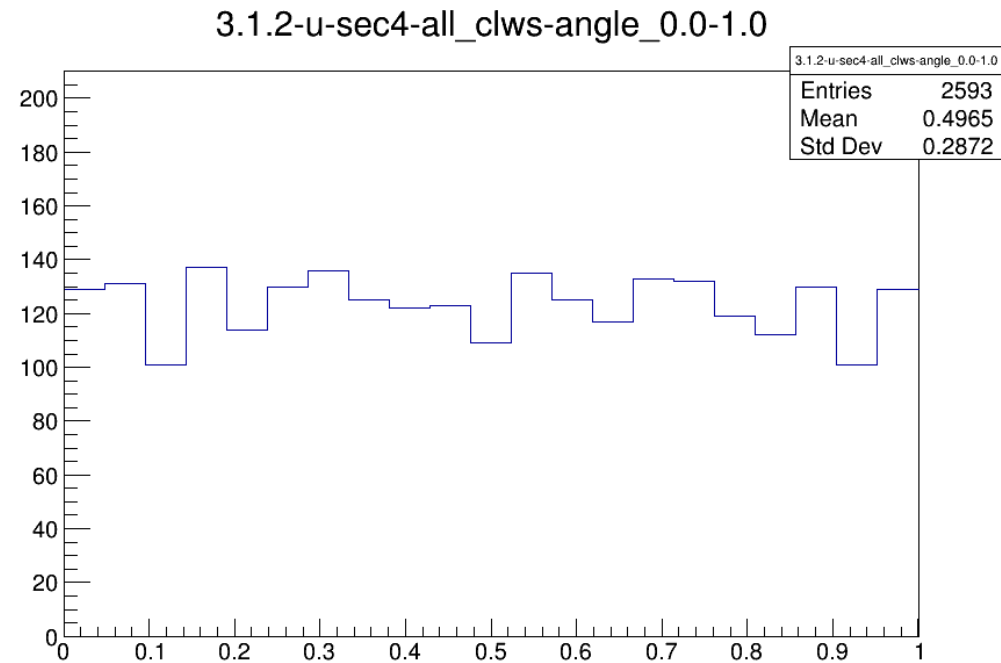
Eta probability density

1 GeV Pions, focused on Ladder 3.1

Sensor 3.1.2, u coordinate, normal incidence



Before correction

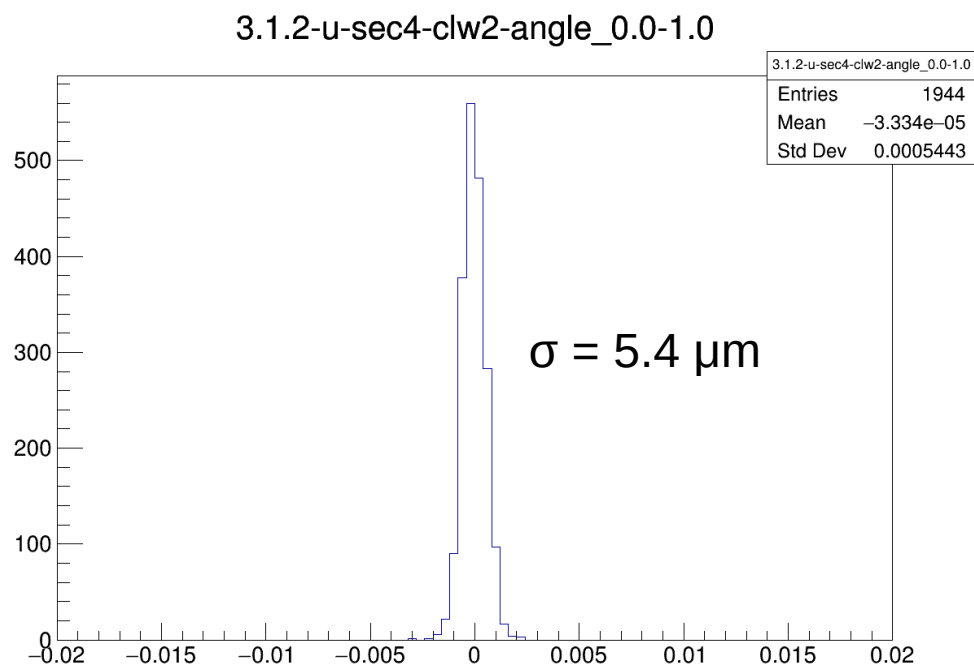


After correction

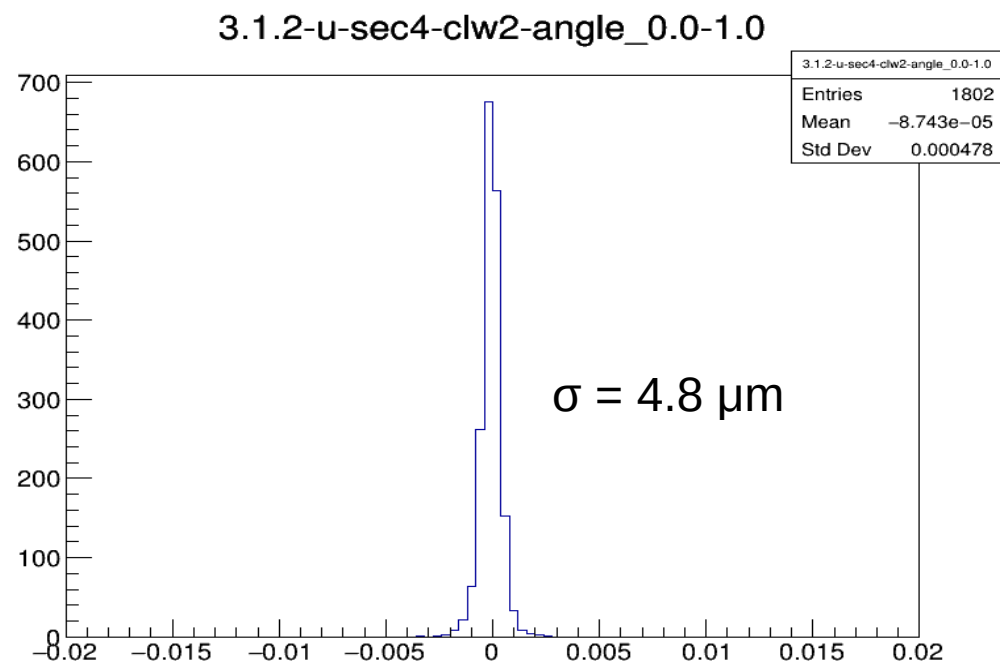
Residuals

1 GeV Pions, focused on Ladder 3.1

Sensor 3.1.2, u coordinate, normal incidence, cluster width 2



Before correction



After correction

Plans

- Debugging
- Standardized residuals
 - Waiting for Peter to calculate the signal-to-noise ratio
- Optimize sections and angle ranges
- Find definition for “not enough data” in collector
- Questions:
 - How to mark a track for refit?
 - dirty_flag?
 - How to judge influence on impact parameters?
 - Use verification page?