

Millepede II Cosmics MC

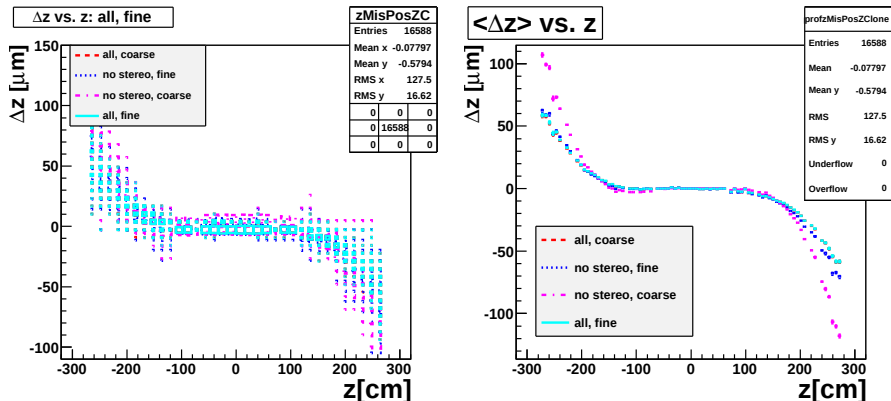
Gero Flucke

Hamburg Alignment Meeting
July 13th, 2010

Outline

- Use of TID/TEC stereo, BLcoarse vs BLfine
- BL following Kalman track

Fine/Coarse, with/without TID/TEC Stereo

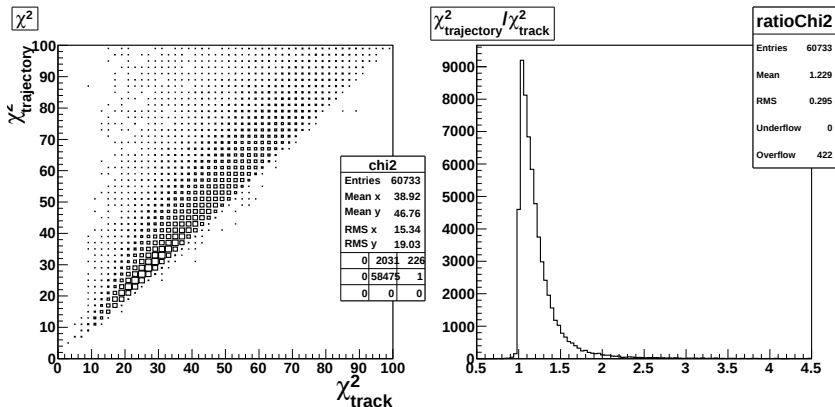


- still shrinkage without stereo modules in TID/TEC s
- contradicts Jula's finding:
<https://jdraeger.web.cern.ch/jdraeger/alignment/MCCosMinStudies/test.htm>
- Jula used BLcoarse - here difference only for "without stereo"

BL (fine) Trajectory following Kalman Residuals

recalculate χ^2 from measurements of kinks

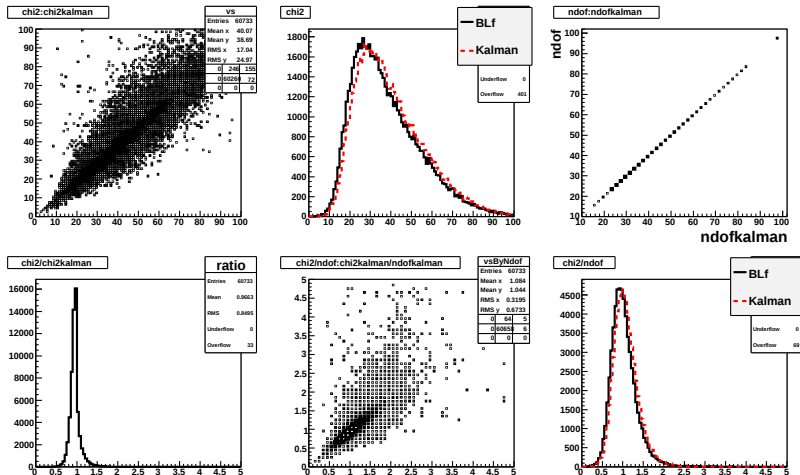
- contribution from residuals of updated TSOS and RecHit
- contribution of scattering angles



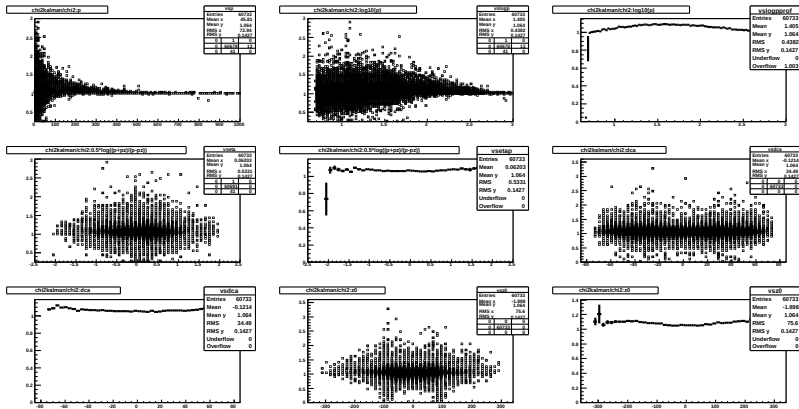
no visible structure vs pt, eta

BL (fine) Trajectory following Kalman Residuals

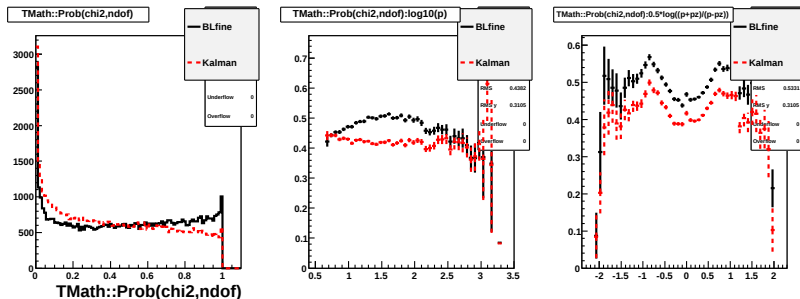
compare pede refit (using 2D strip information) with Kalman,



BL (fine) Trajectory following Kalman Residuals



BL (fine) Trajectory following Kalman Residuals



- still too large differences to Kalman fit
- will try (and debug) on isolated muon sample from now on