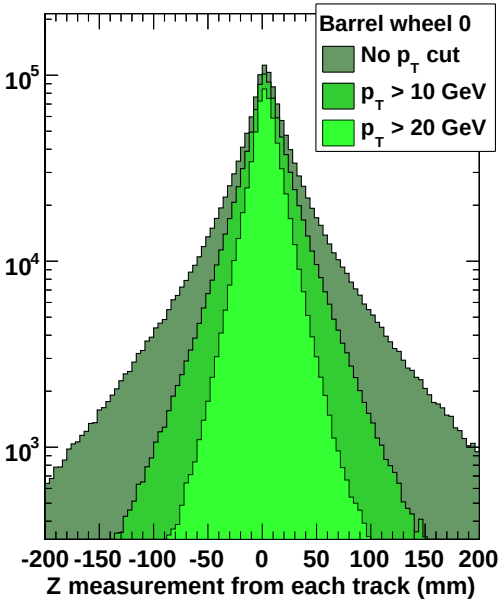
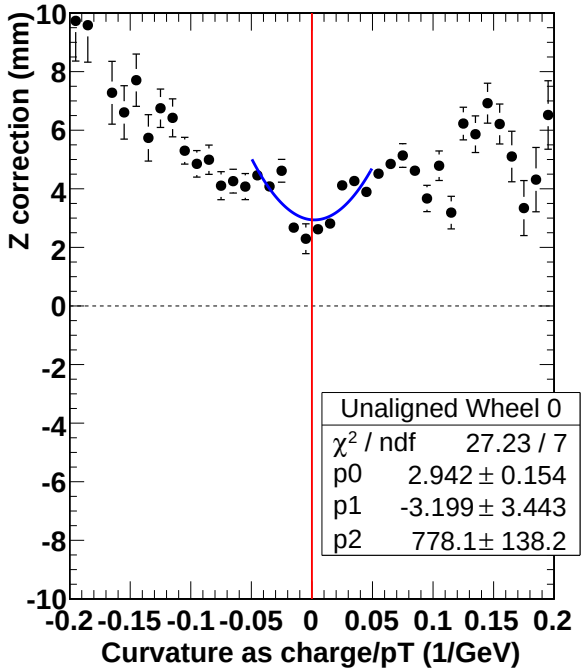
Tracker/muon relative z position measurement

- Every globalMuon track measures tracker/muon displacement, but low-momentum tracks are dominated by multiple scattering (tails)
  - want to take a mean of the highest-momentum tracks
  - plot alignment correction versus curvature (q/p_T)
  - Taylor expansion around point of infinite momentum ($q/p_T = 0$)
  - quadratic fit: p_0 is misalignment (independent of tracks), p_1 is $\vec{B}$ error (antisymmetric with q), p_2 is multiple scattering (symmetric with q)
- Moved tracker to $z = -3.8$ mm in GlobalPositionRcd (from two iterations):
  `/afs/cern.ch/cms/CAF/CMSALCA/ALCA_MUONALIGN/SWAlignment/CRAFTwheeldisk/CRAFT_GlobalPositionRcd.db`

Histogram of track-by-track z residuals



Profile of iteration 0



Profile of iteration 2