

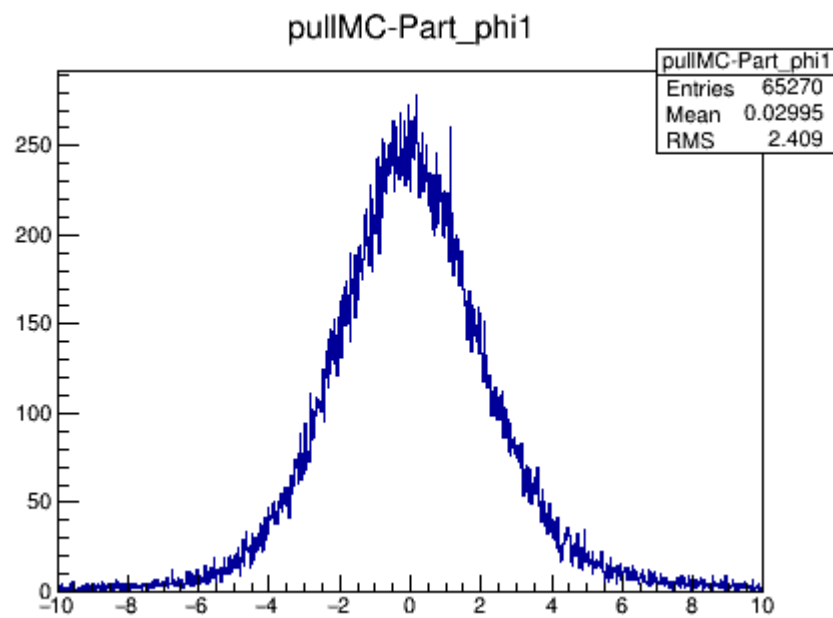
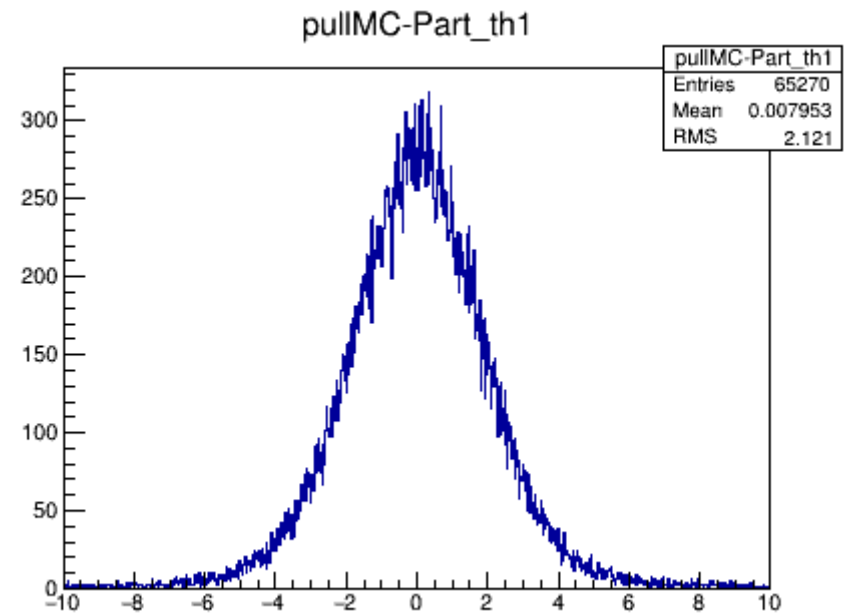
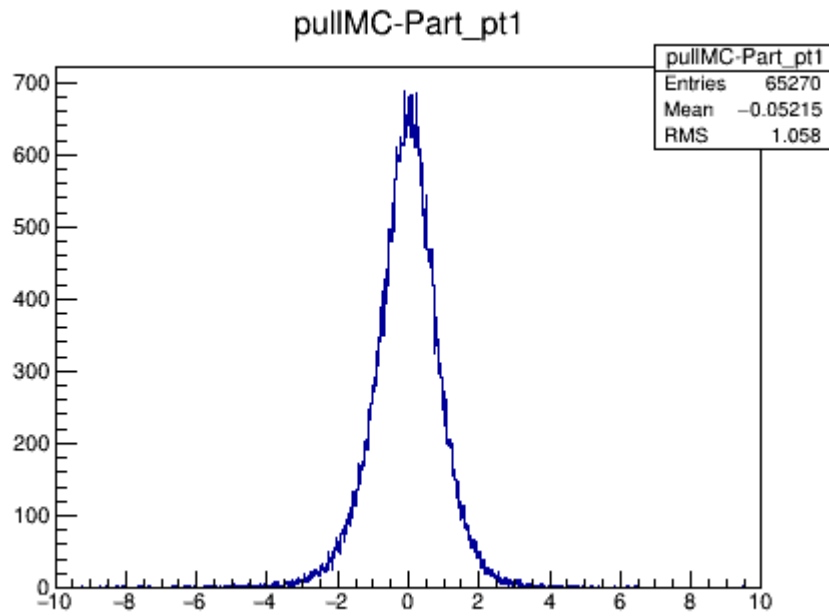
Status of Kinematic Fitting  
N. Geraksiev  
25.12.2016

# Pull of Decay Products after (Kalman)Refit

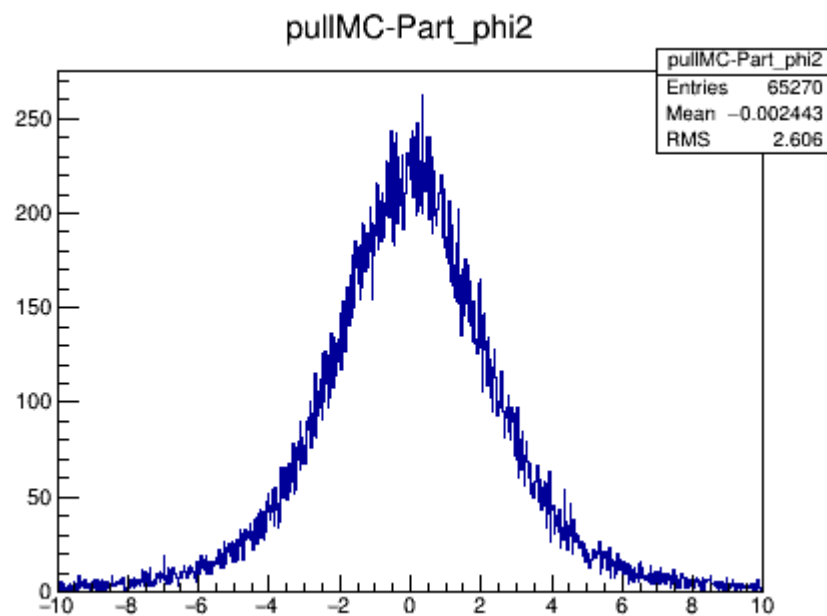
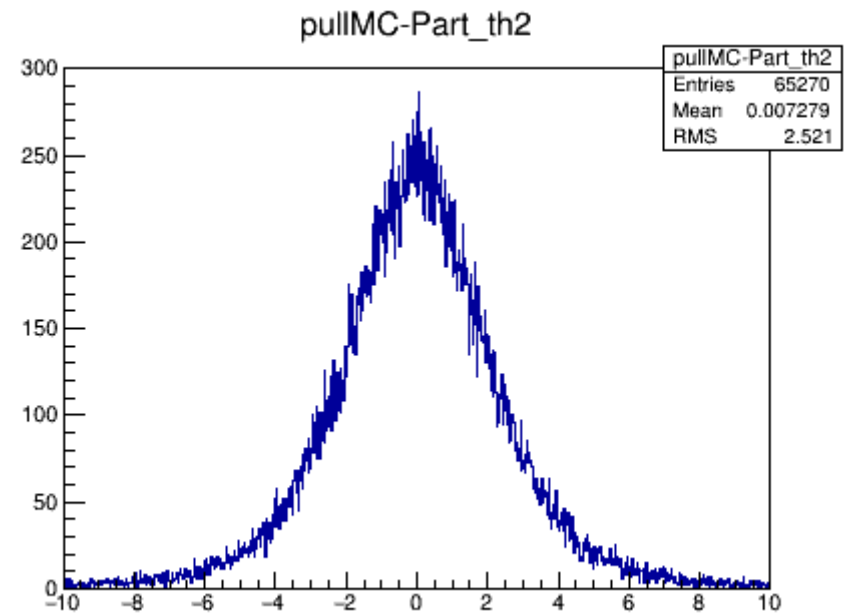
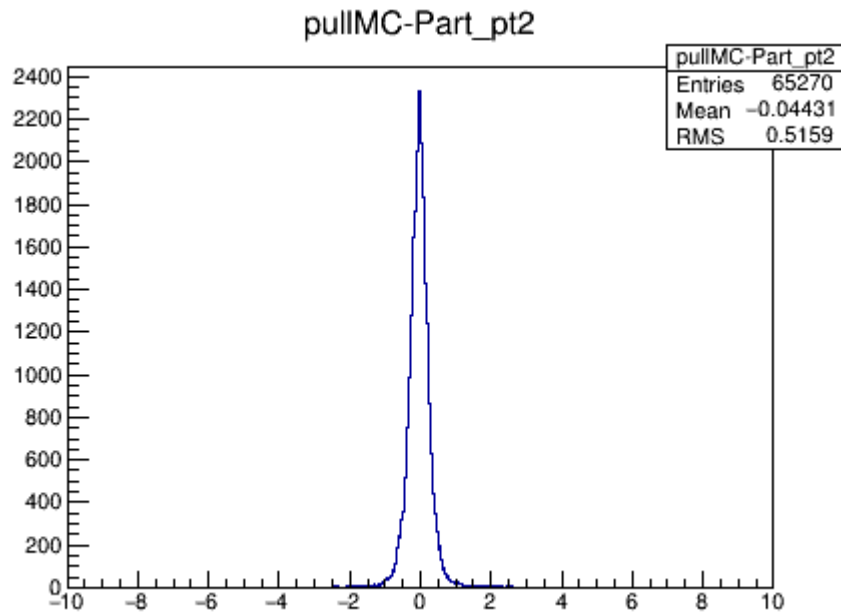
As suggested the pull of decay product parameters was investigated

$$\text{PullParam} = (\text{McParam} - \text{MpdPartParam}) / \text{sigma of MpdPartParam}$$

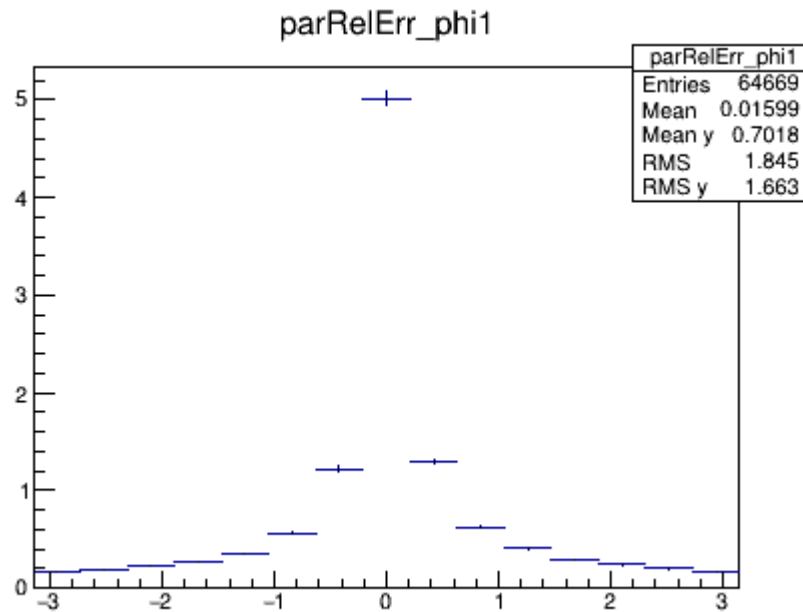
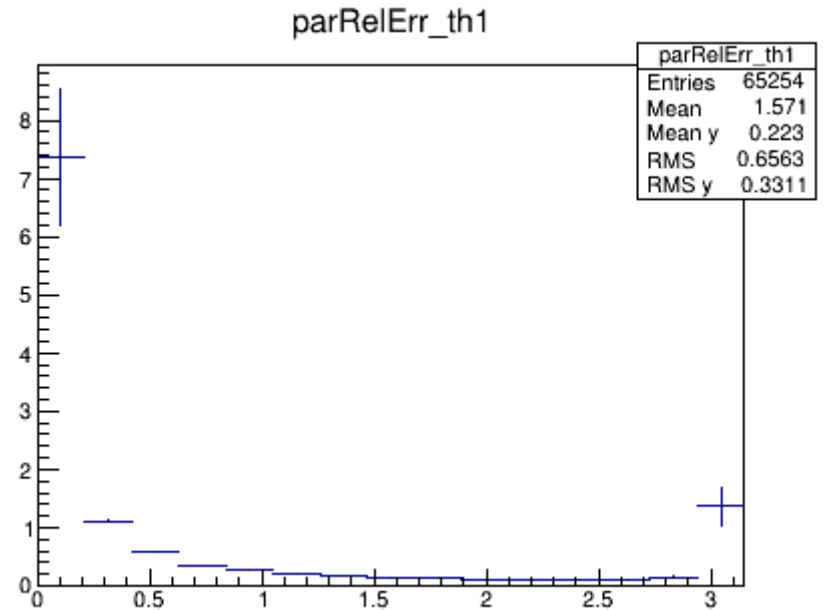
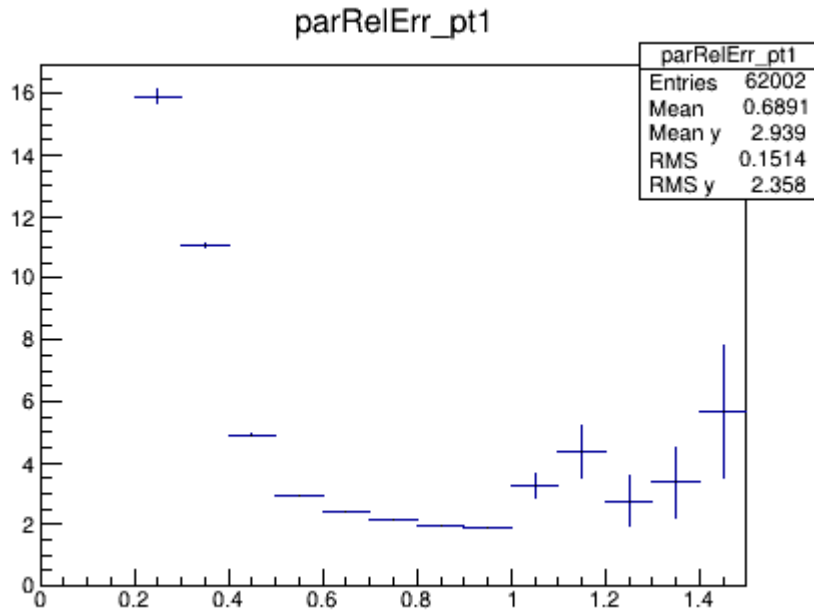
# Pull of Protons



# Pull of Pions

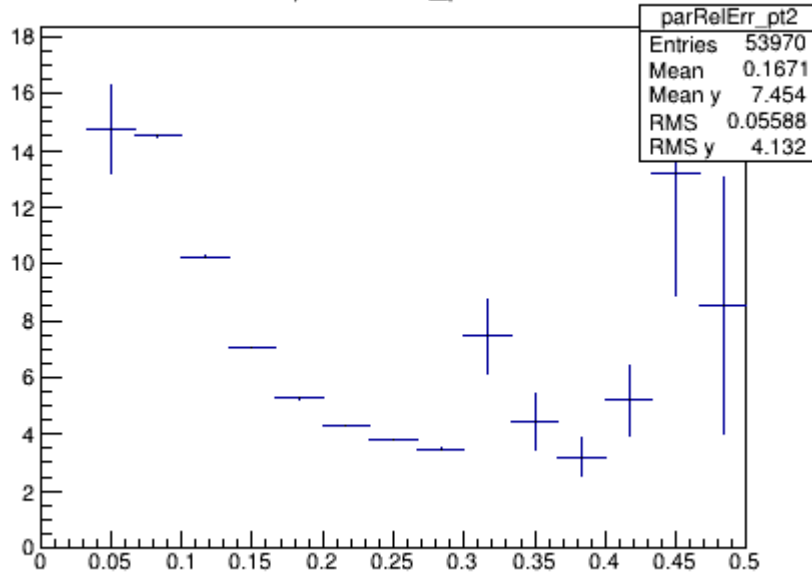


# Error Protons

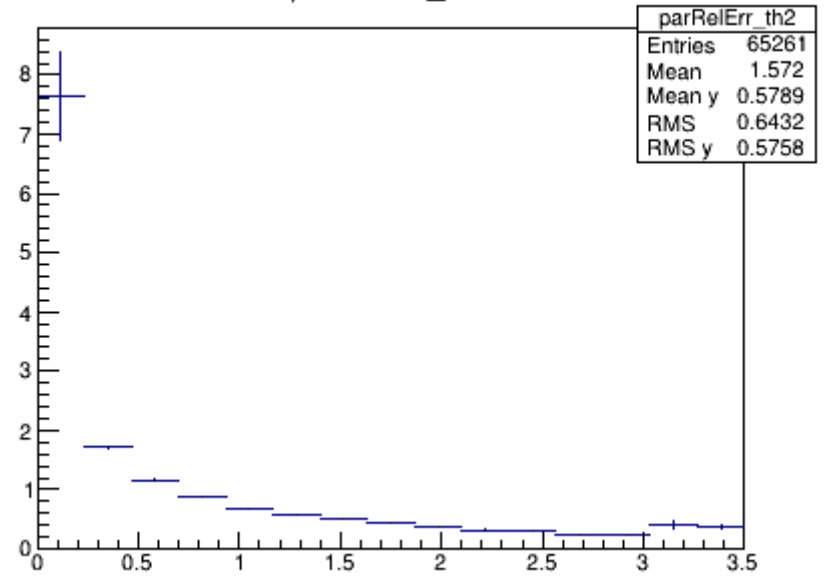


# Error Pions

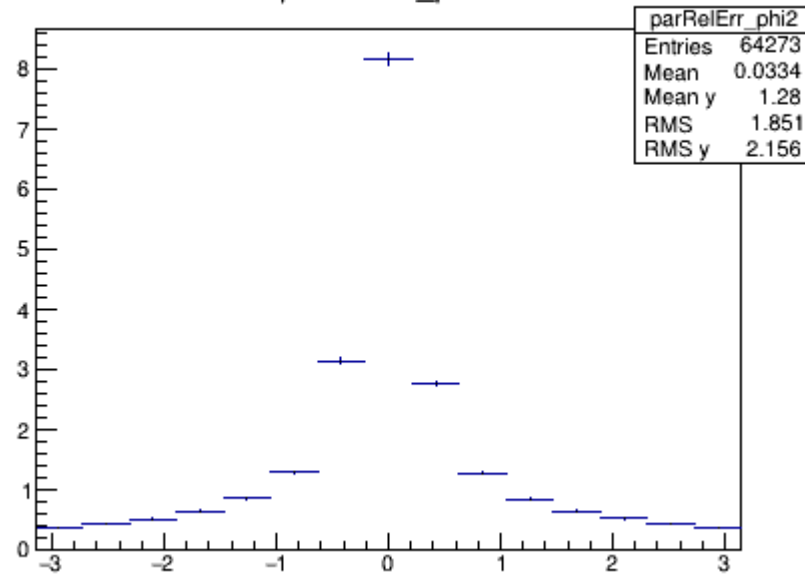
parRelErr\_pt2



parRelErr\_th2



parRelErr\_phi2



# Pure MC modeling

- The chosen coefficients do not correspond to actual MPD errors (c2,c3,c4,c5)
- Chiprob = 0.94, kImprob = 0.27
- Lambda = 1.0632, KIm = 0.791701, 20.8 %

