

Kalman Reconstruction Update

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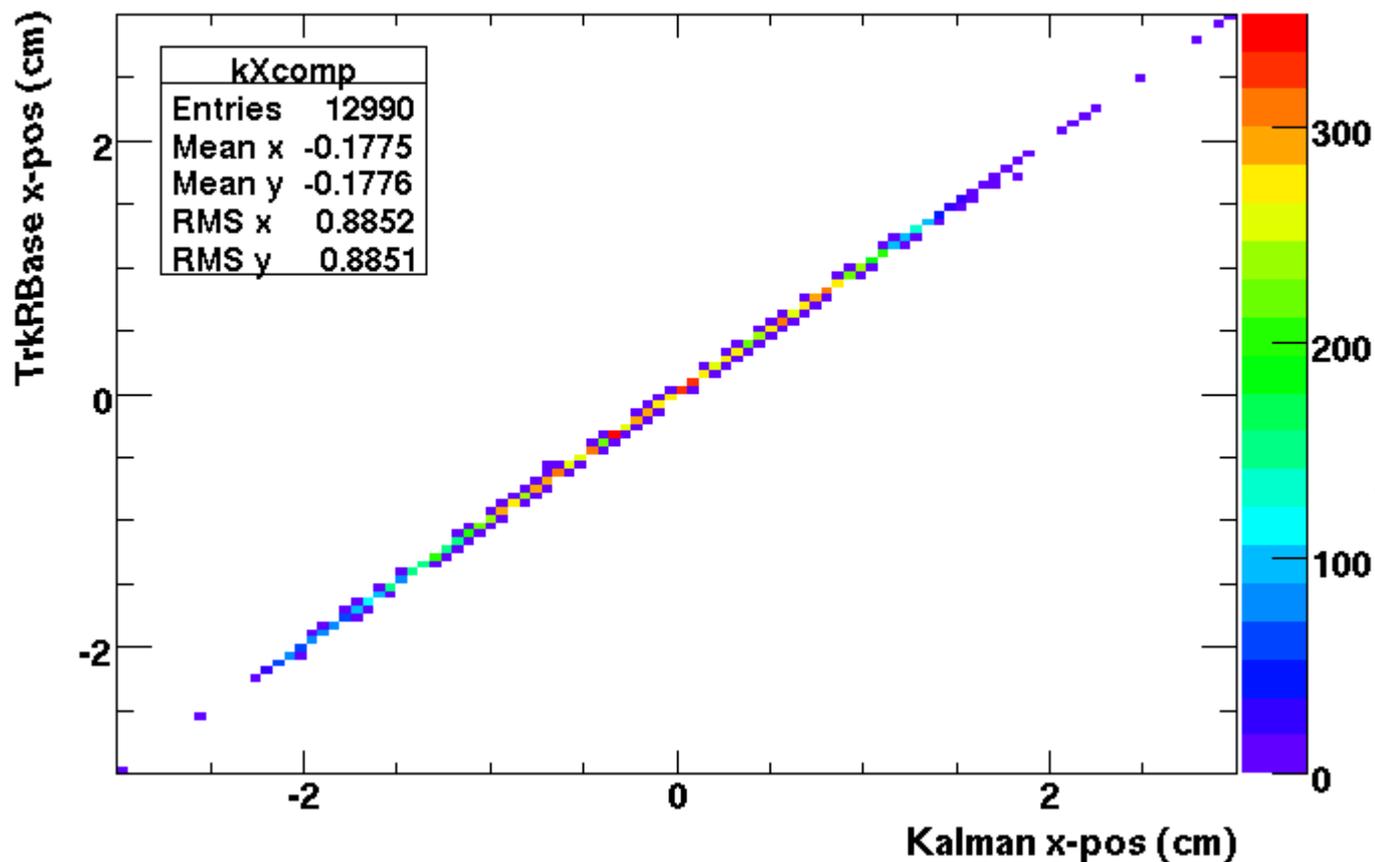
MIPP Offline Meeting
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Beam Track Re-fit

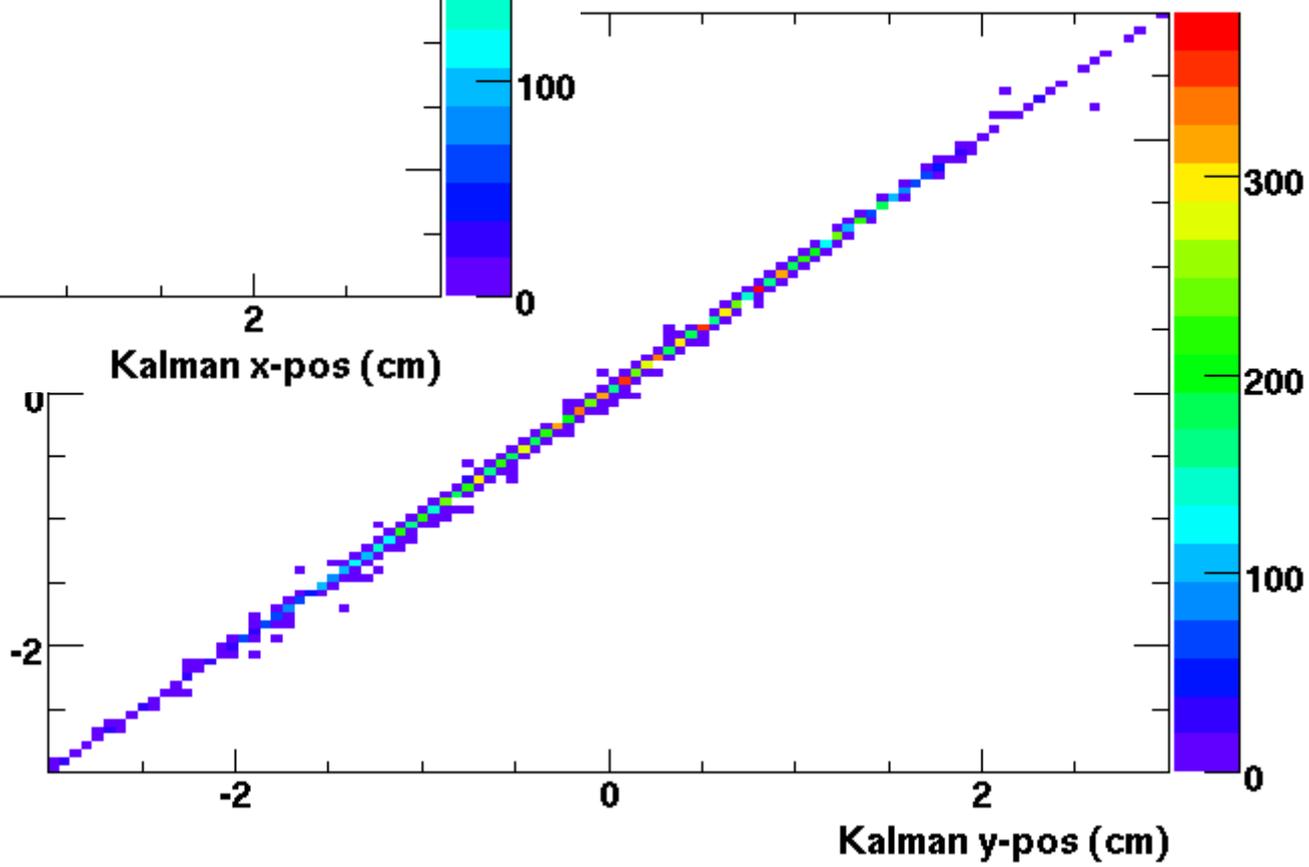
- After some struggle, I have finally managed to (re)fit beam tracks:
 - Seed wire hits are taken from TrkRBase beam tracks.
 - Timing is not used (yet).
- Good news:
 - Reconstructed tracks match extremely well again TrkRBase beam tracks.
 - Speed is comparable to TrkRBase
- Bad news:
 - I am unable to project beam tracks from the BC volume to the TPC volume (which encompasses the target).

Position Comparisons

TrkRBase x-position vs. Kalman x-position

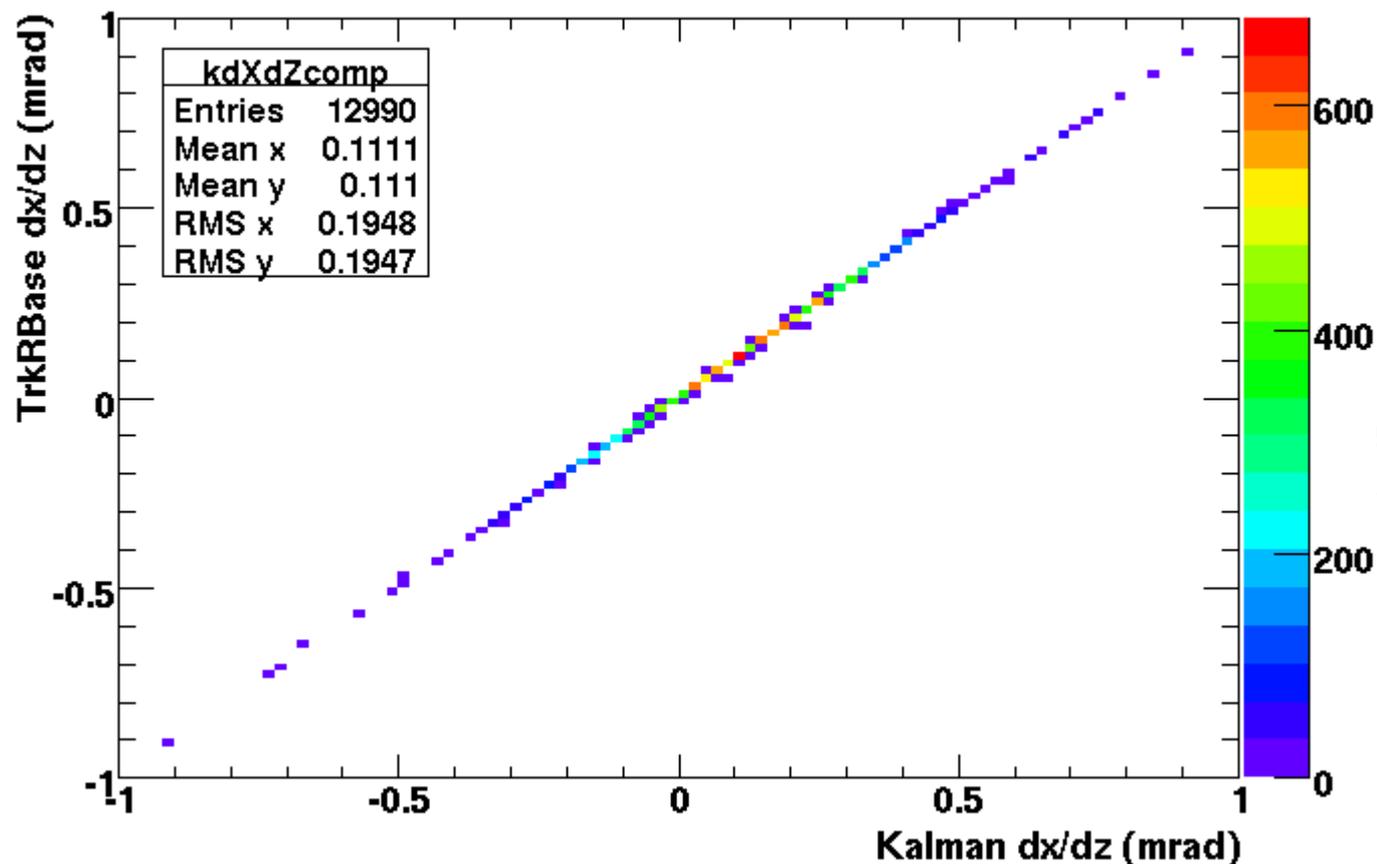


Comparisons are made at every wire hit in BCs.

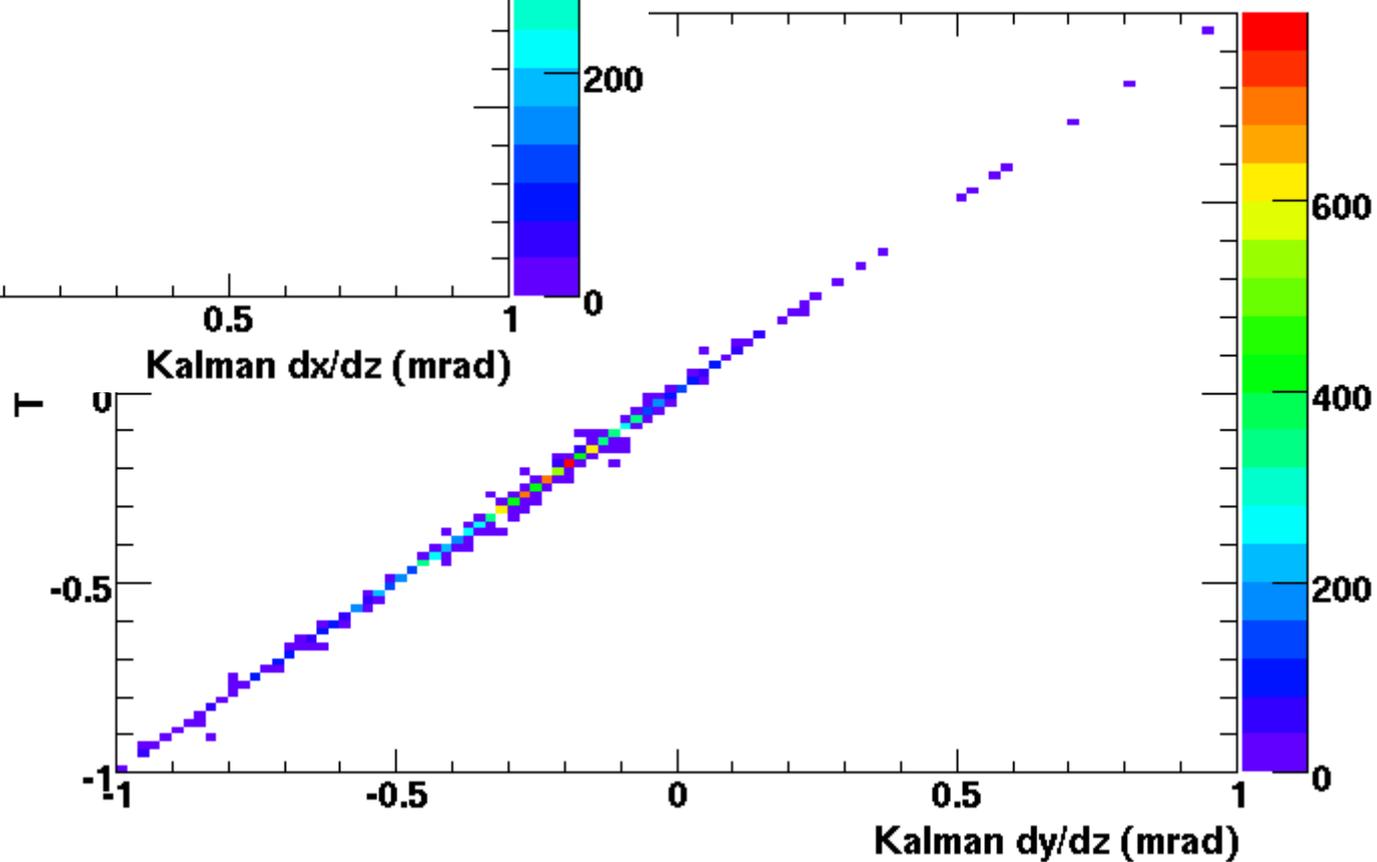


Direction Comparisons

TrkRBase dx/dz vs. Kalman dx/dz



Comparisons are made at every wire hit in BCs.



Kalman Beam Track χ^2 /NDF Distribution

Distribution of Kalman Beam Track Fit χ^2 's

