# MAPS + TPC and MAPS + IT + TPC performance centrality studies

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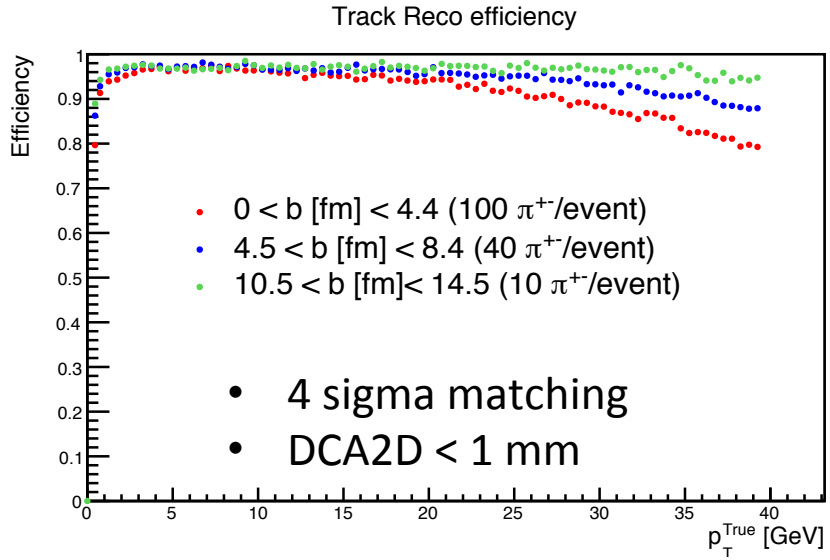
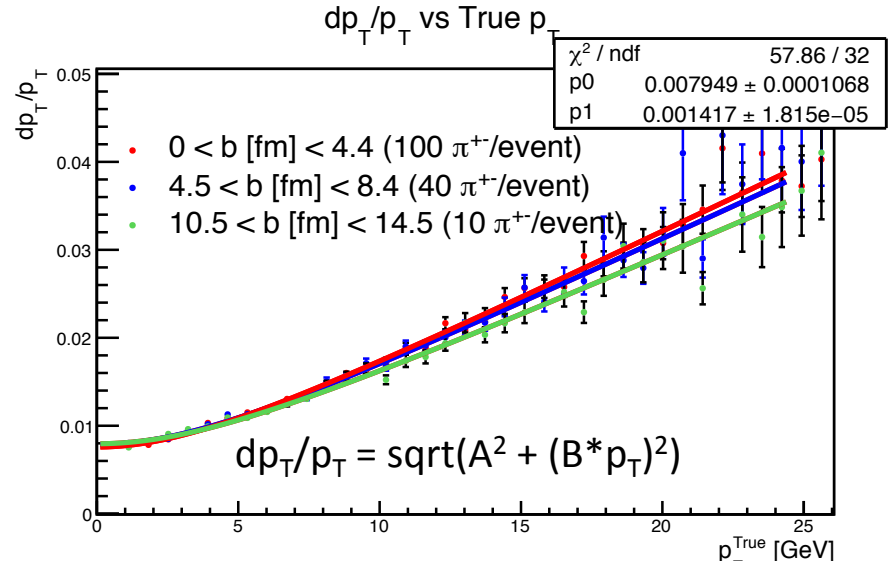
(on behalf of TPC group)

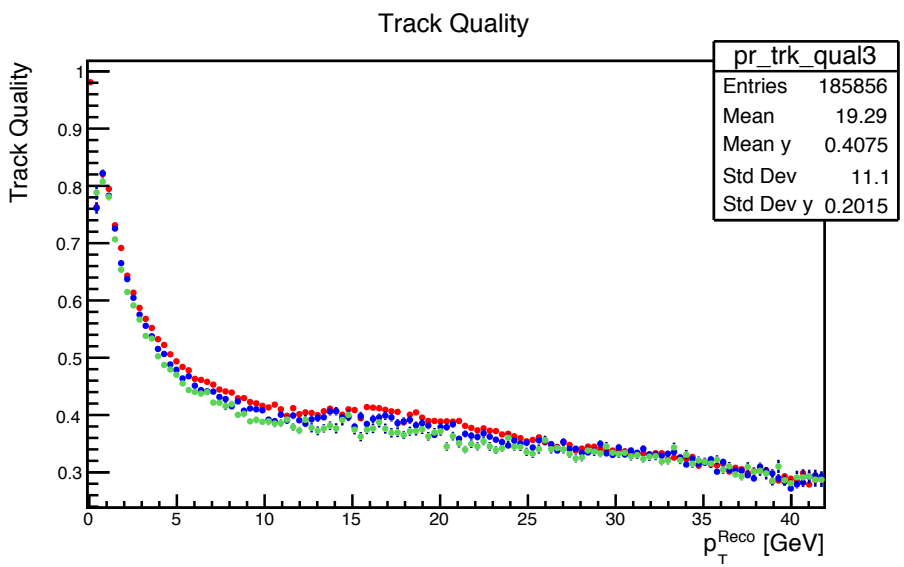
sPHENIX simulation meeting
6th September 2016

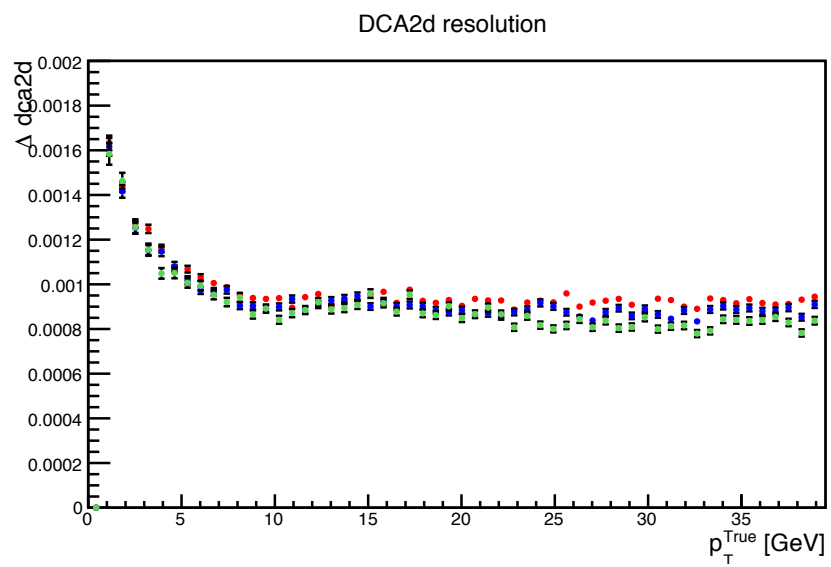
# MAPS + TPC (loose Helix Hough requirement : 33 hits)

Pions embedded on Hijing events



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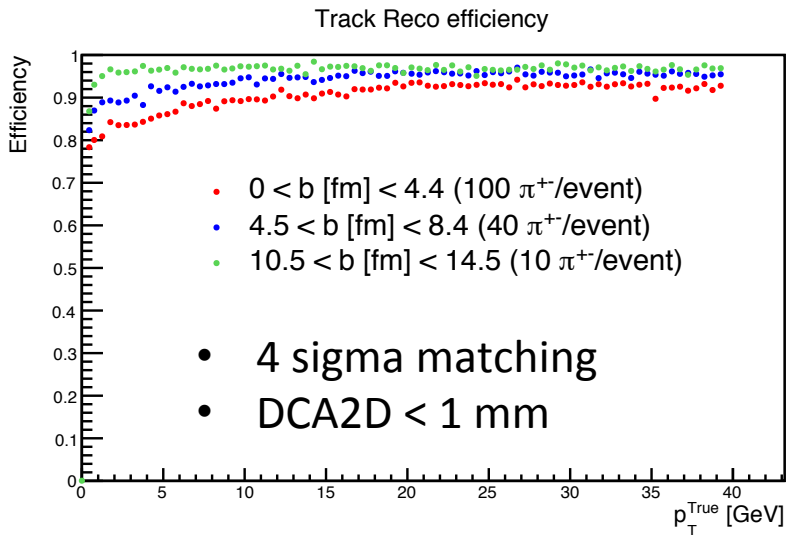
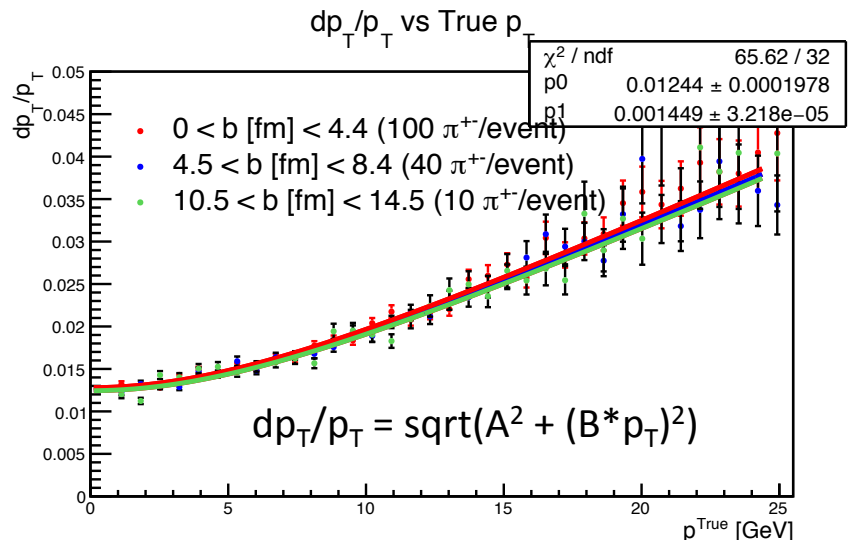
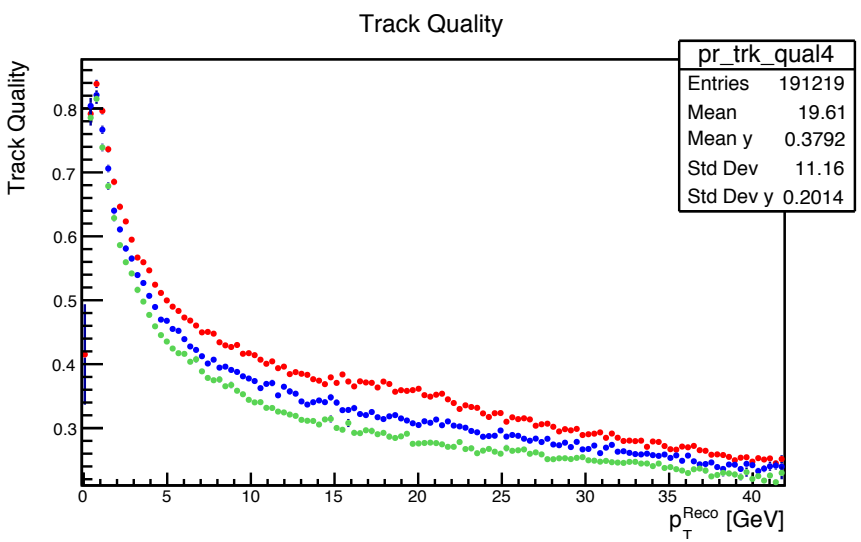
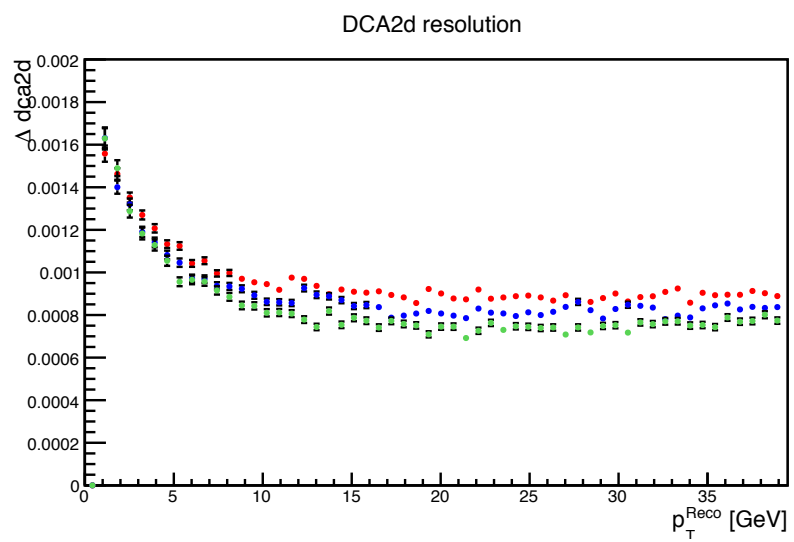


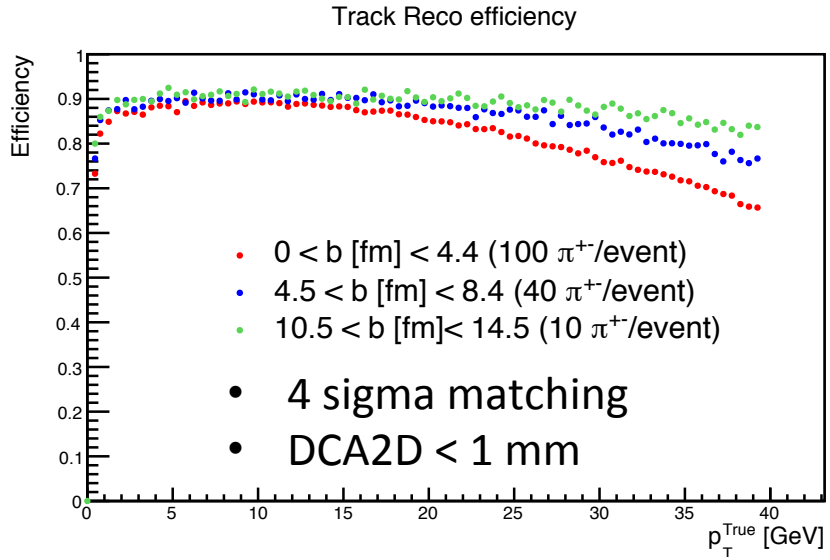



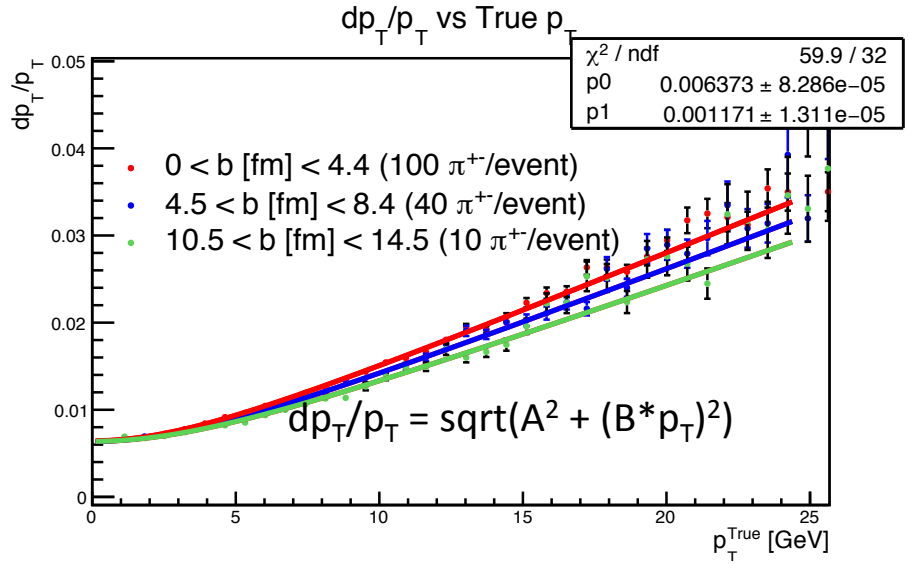



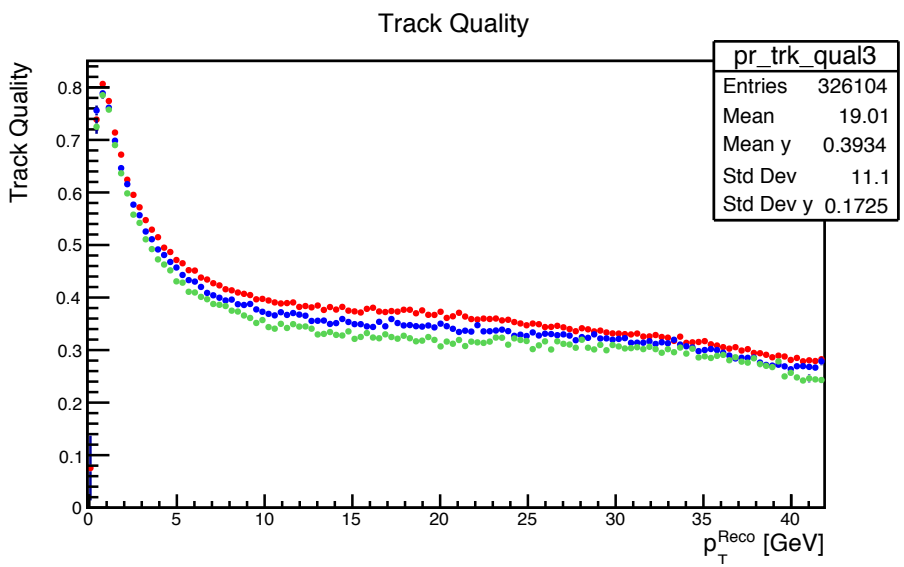

- Not that much effect on resolution in different centrality.
- What happens after tightening Helixhough requirement ?

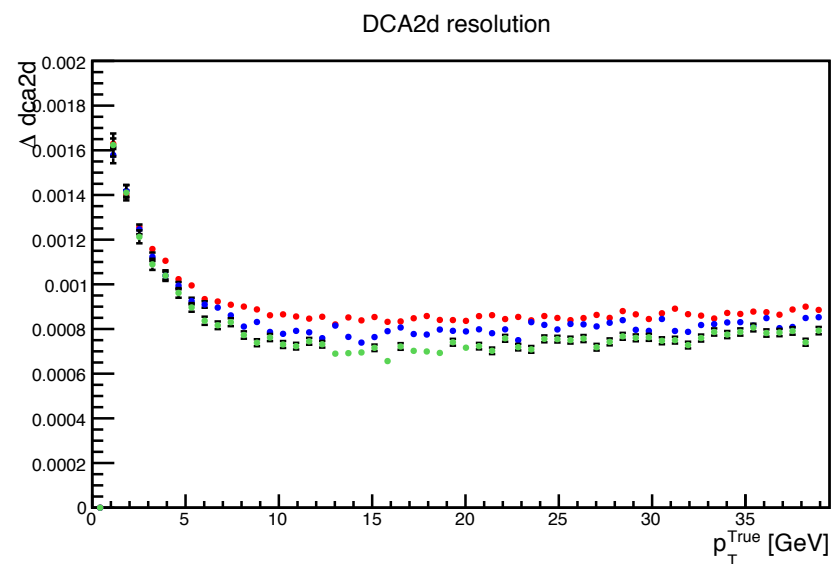
# MAPS + TPC (tight Helix Hough requirement : 57 hits)

Pions embedded on Hijing events



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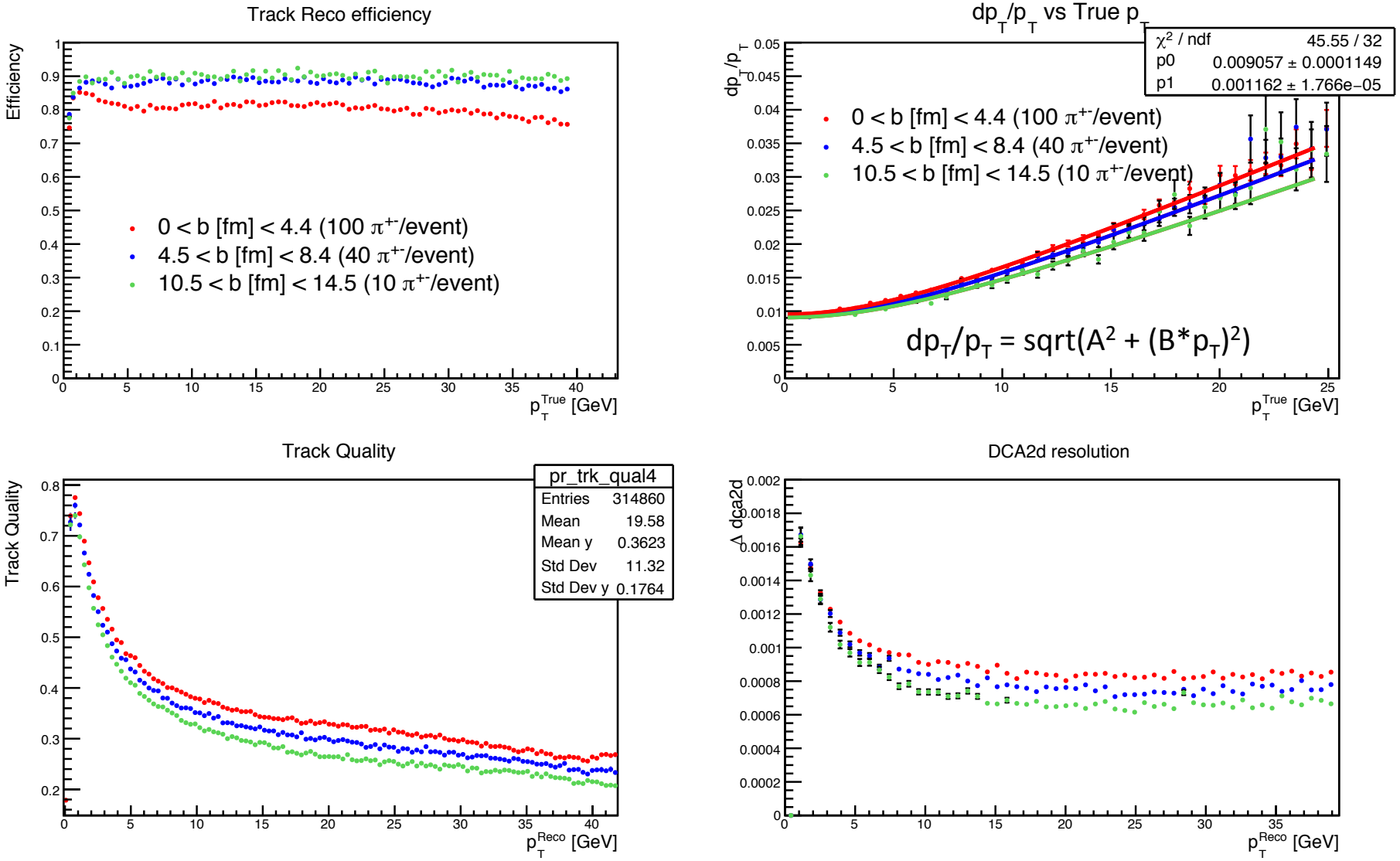
Pions embedded on Hijing events




- Tighter houghtransform requirement shows change in resolution with centrality. Probably the current loose Hough transform requirement has to be revisited.