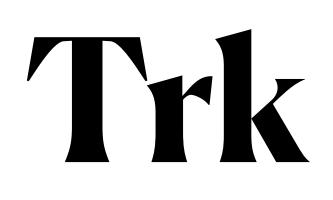
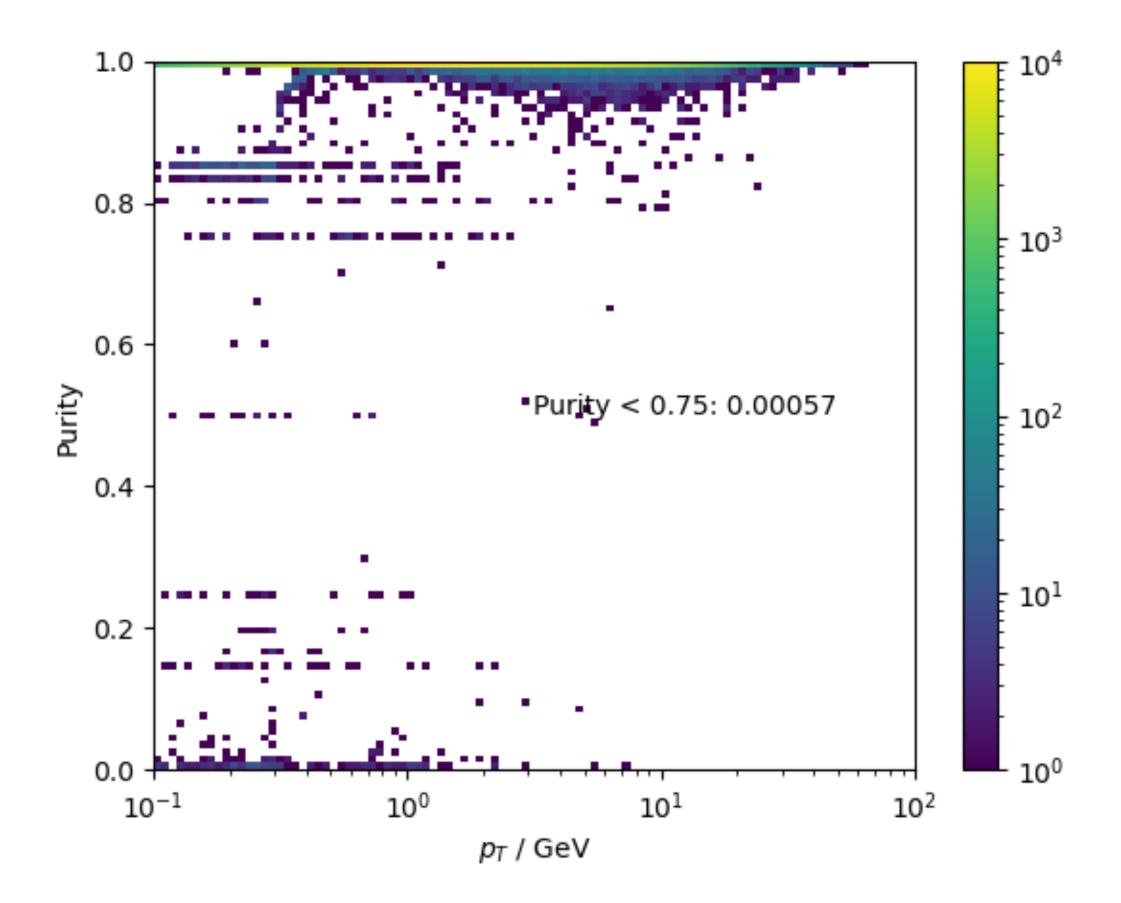
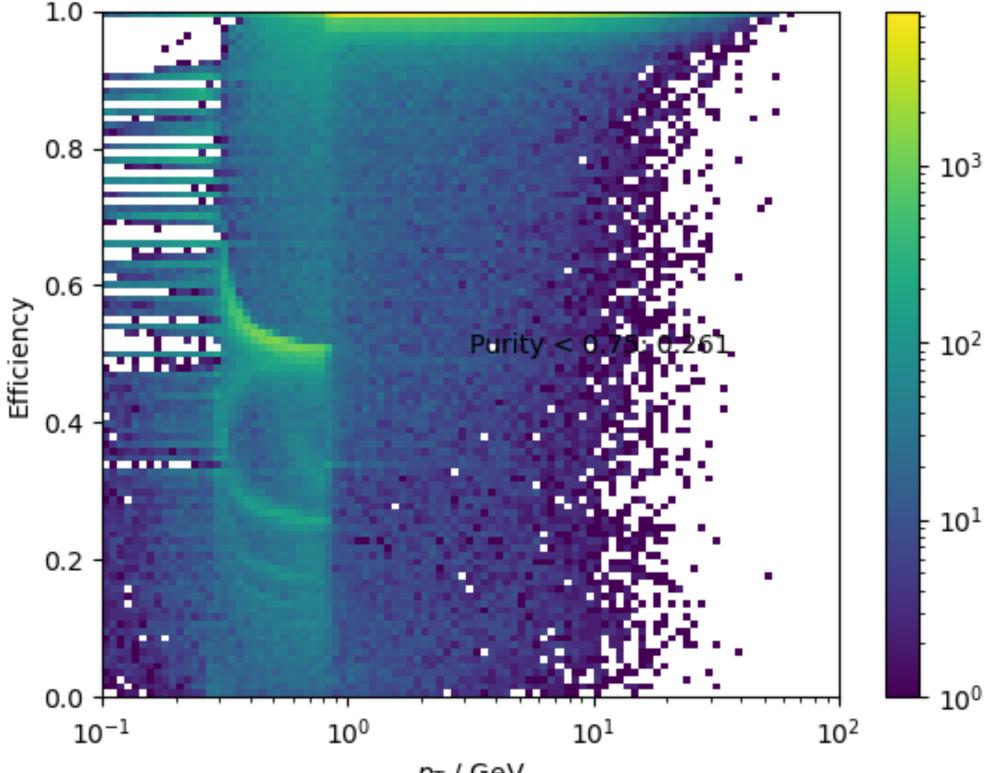
C.Zhang/24Jan2025



Trk Hits Efficiency&Purity

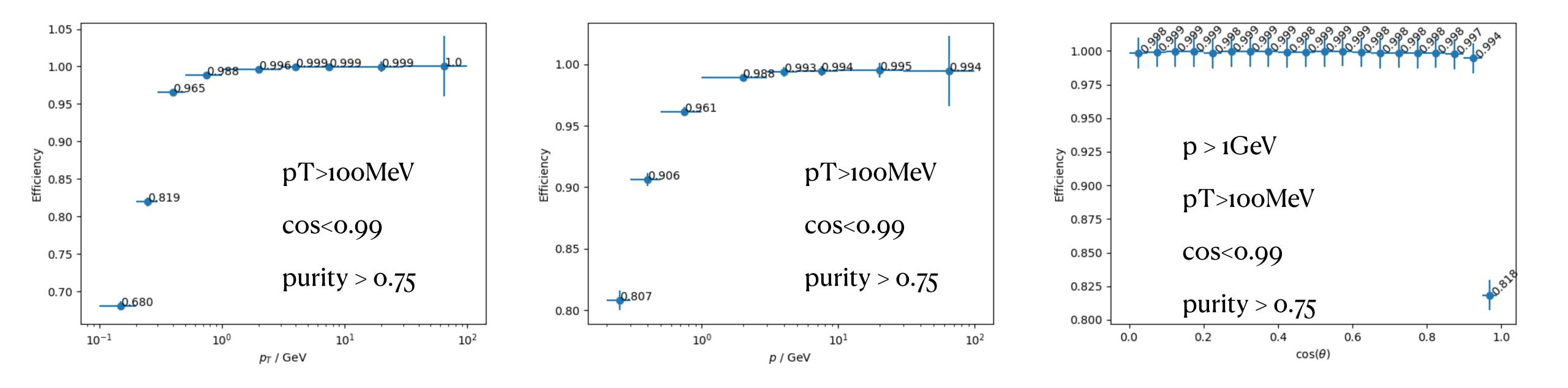
- MCHits: Number of hits matched with a MC particle
- TrkHits: Number of hits associated with a track
- Weight: The same hits in a TrkHits and a MCHits
- Eff = Weight/TrkHits
- Purity = Weight/MCHits



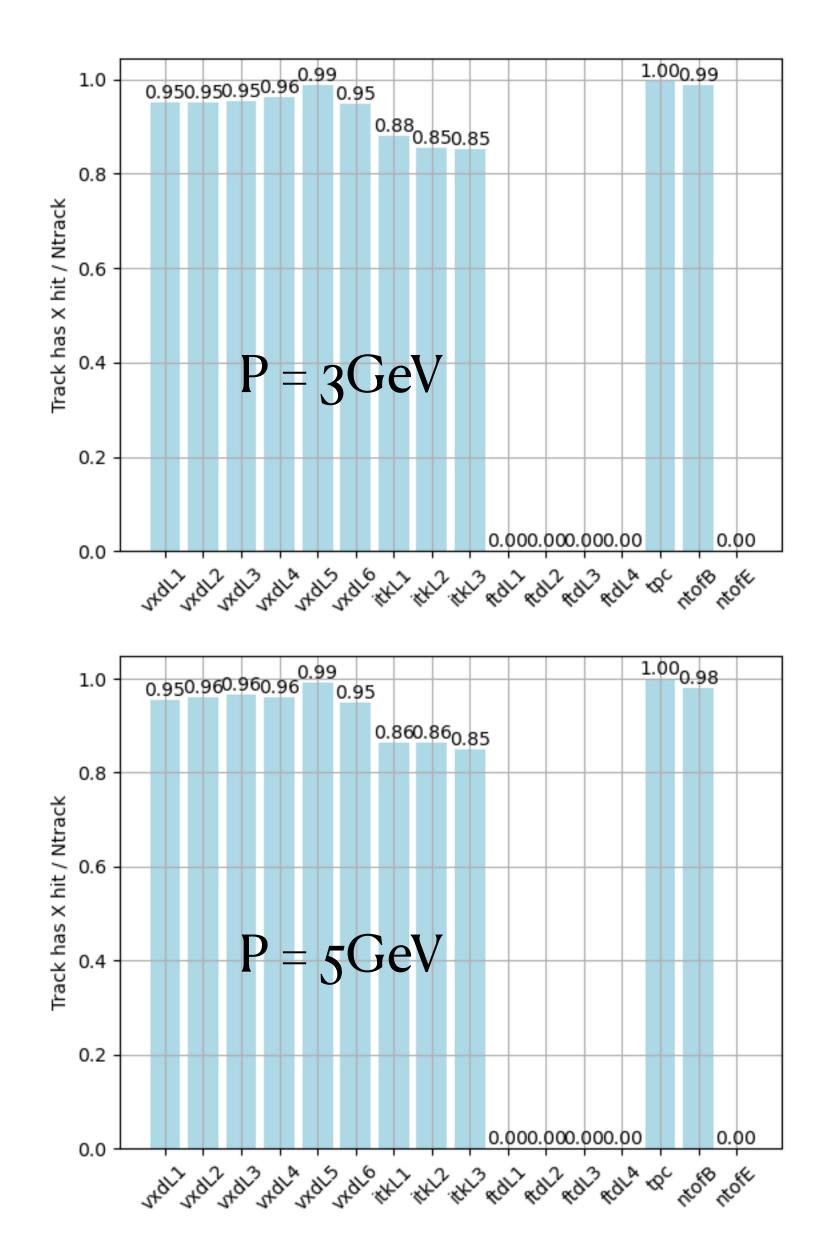


Trk Efficiency with Purity Cut

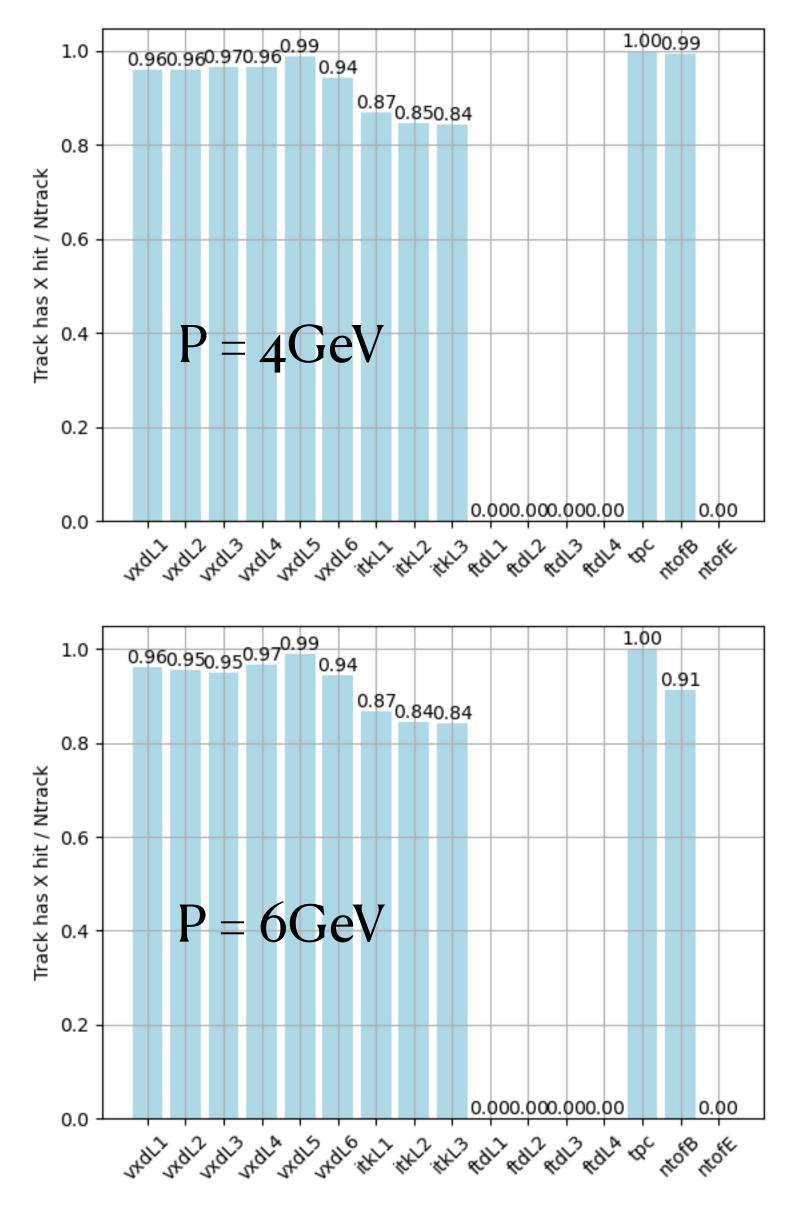
Trk efficiency with E240_nnHbb events Purity cut applied, No visible impact on track efficiency



Trk Hit Efficiency



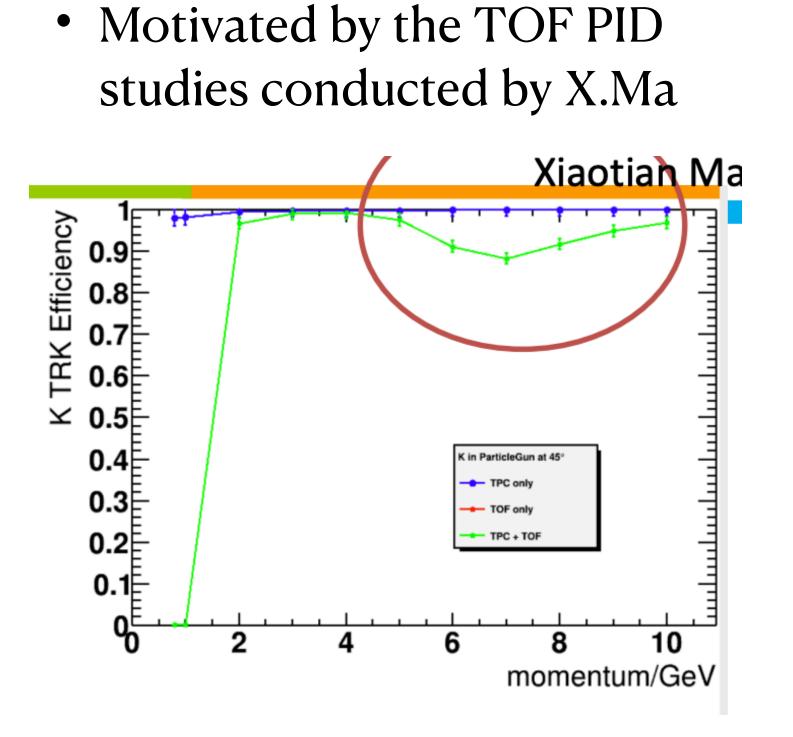
• Single charged kaon @ $\theta = 45^{\circ}$



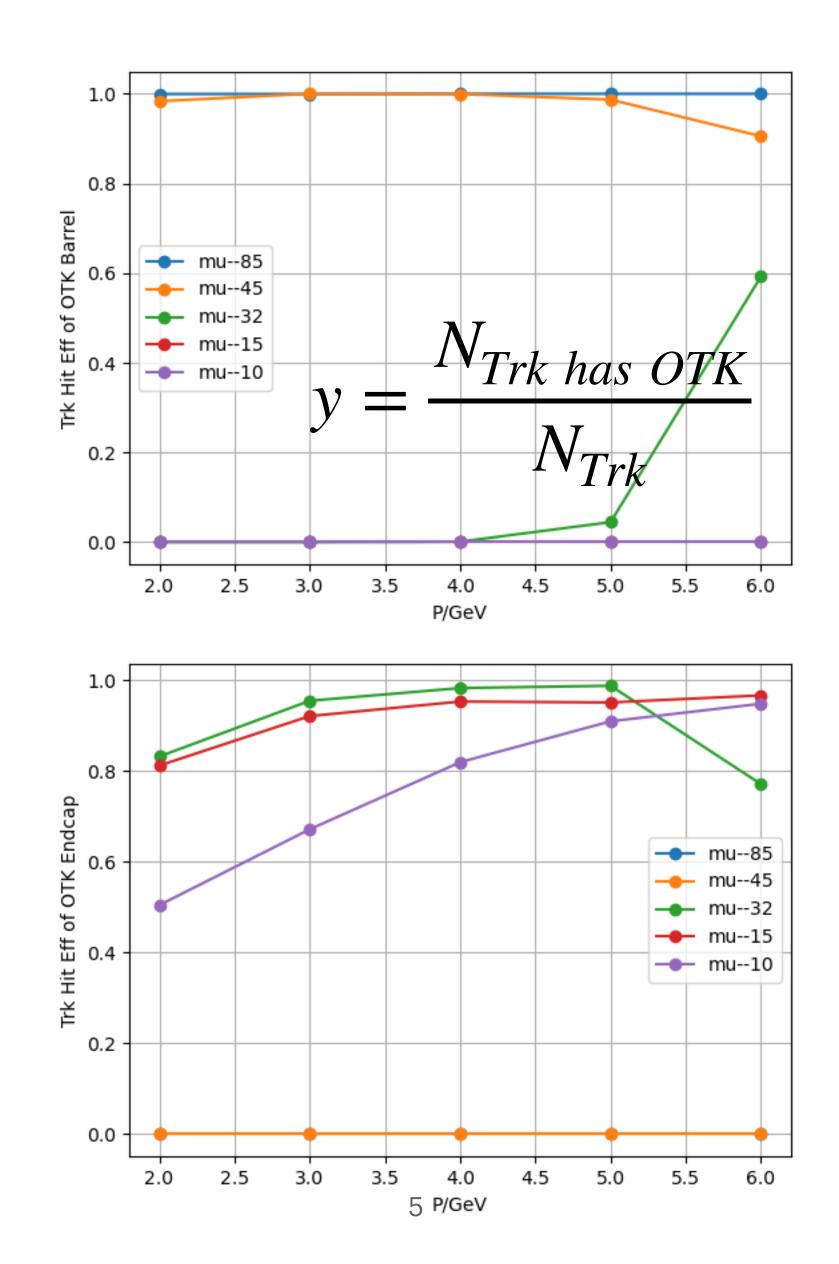
4

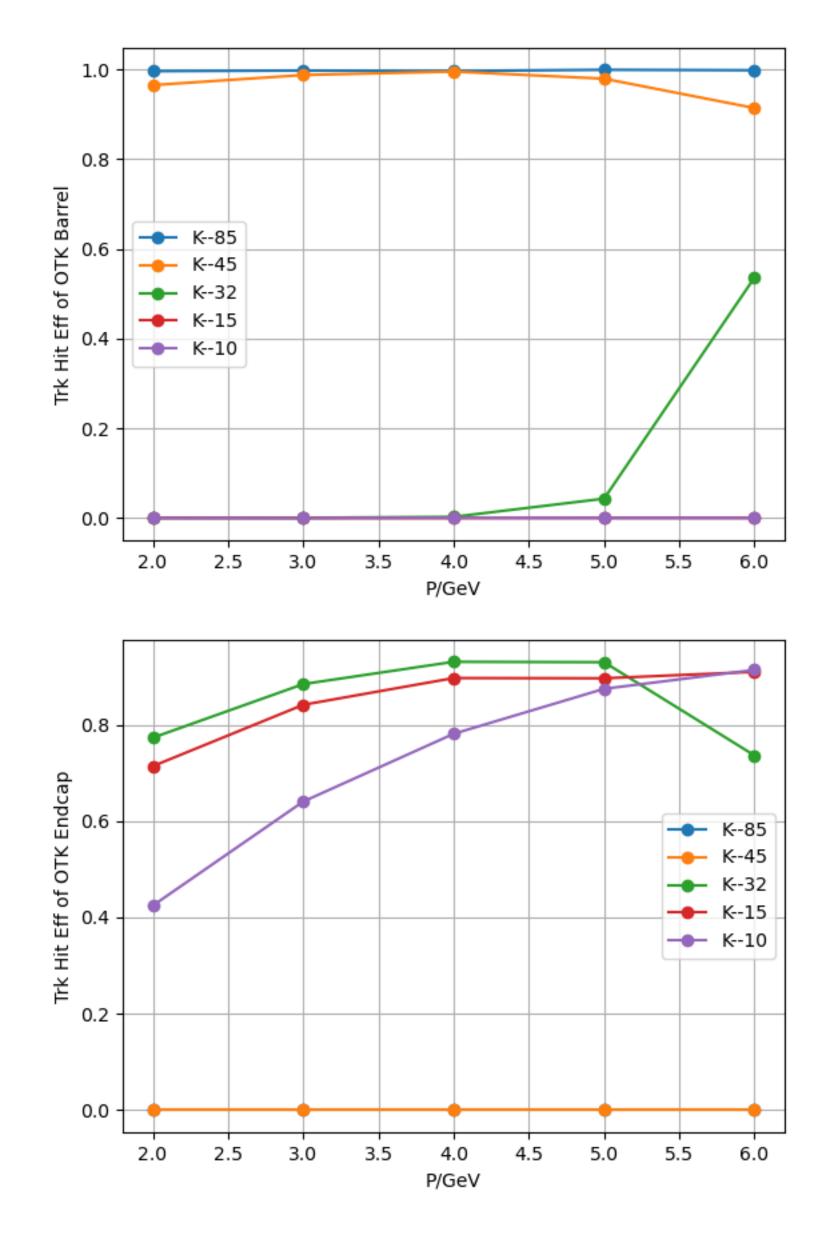


Trk Hit Efficiency of OTK



• Todo, adjust chi2, distance parameters used in tracking and repeat these plot





Separation power

