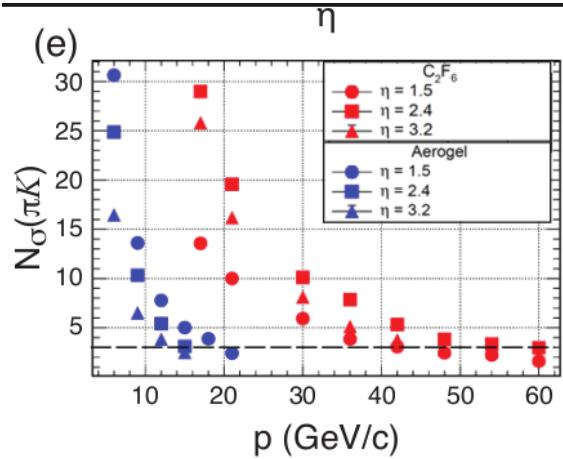
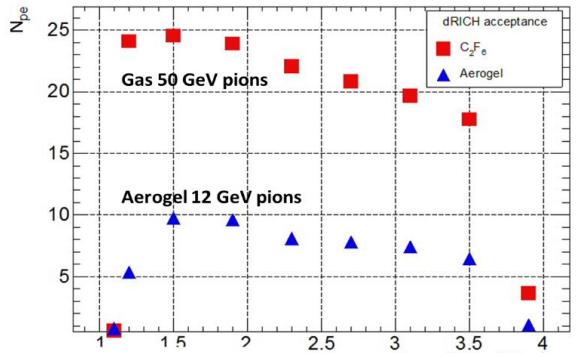
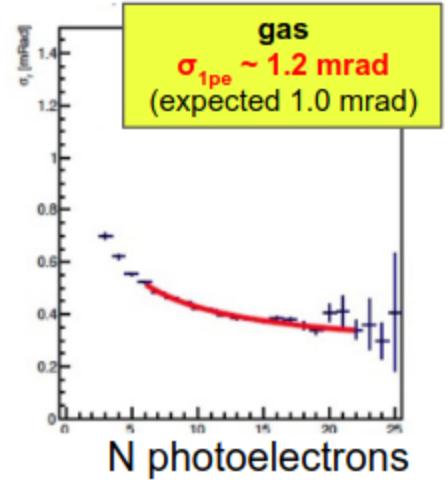


dRICH resolutions

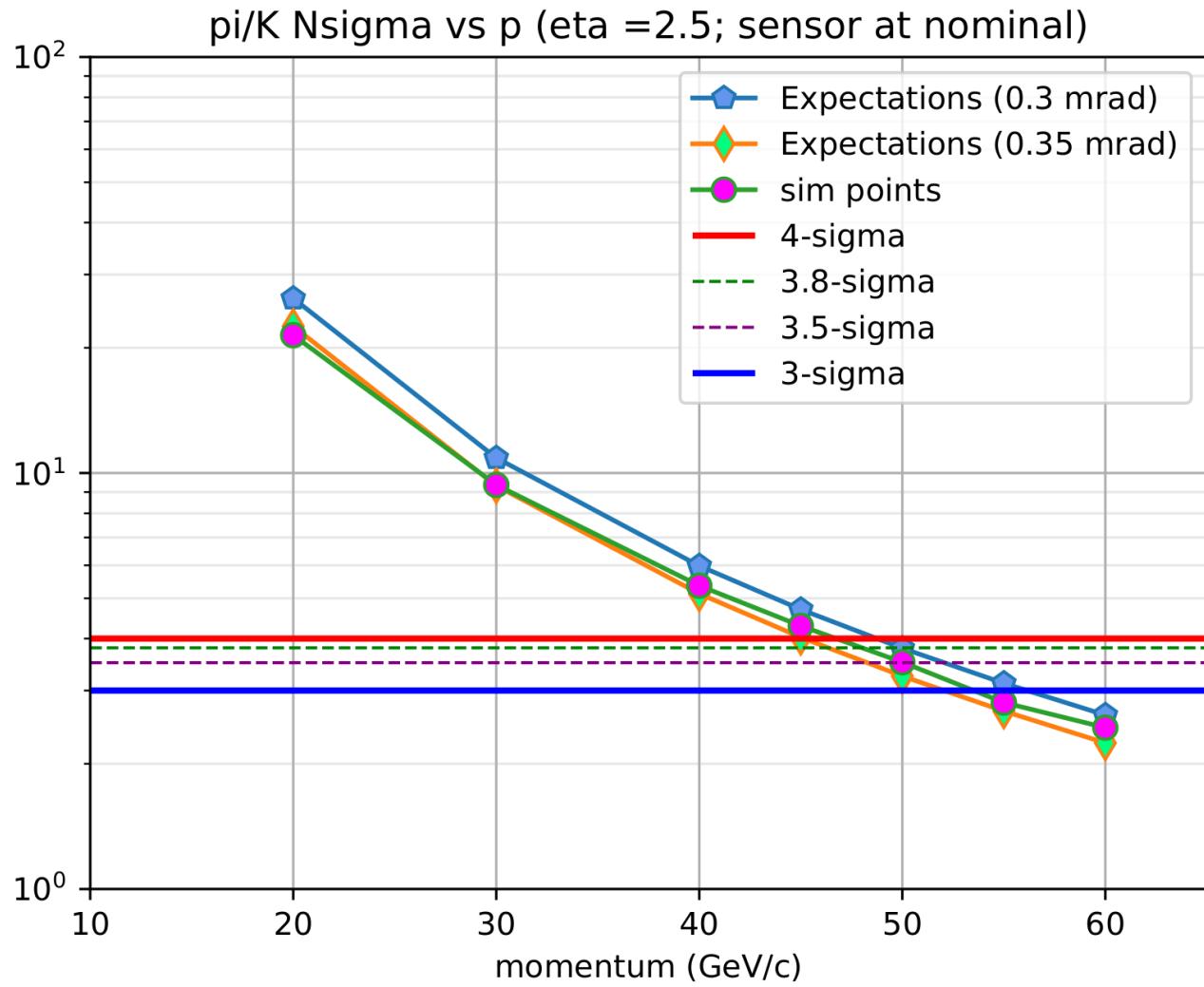
Chandradoy Chatterjee

Reference number

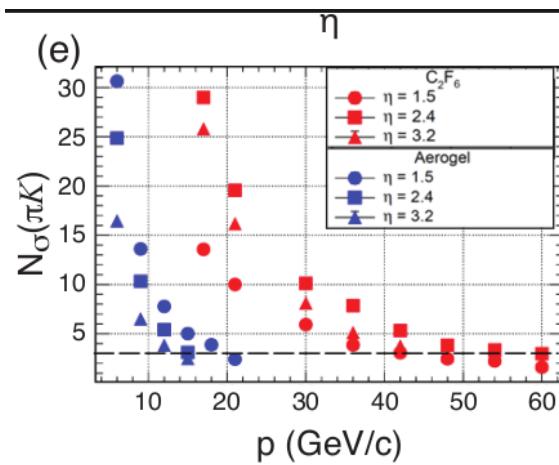
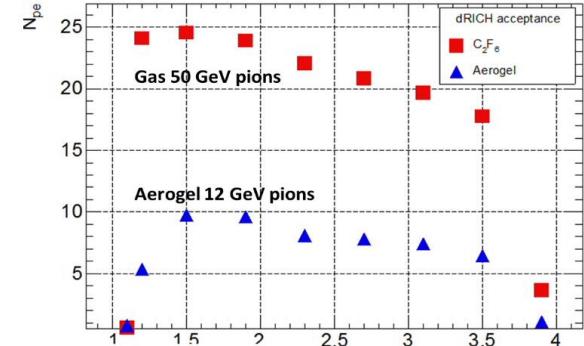
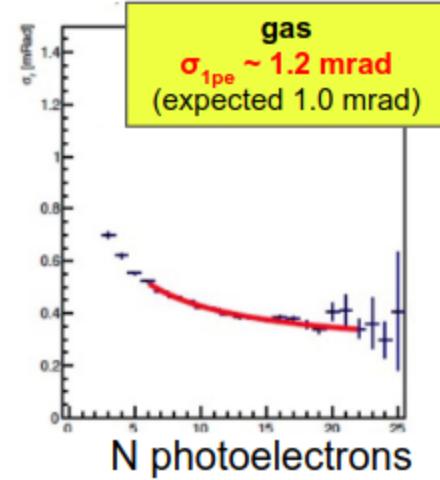


In ePIC (Expected- NPe) = $23 * (115/135) \sim 18\text{-}19$.
Ring resolution $\sim 1.2/\sqrt{18} \sim 0.28 \text{ mrad}$

Simulation outcomes



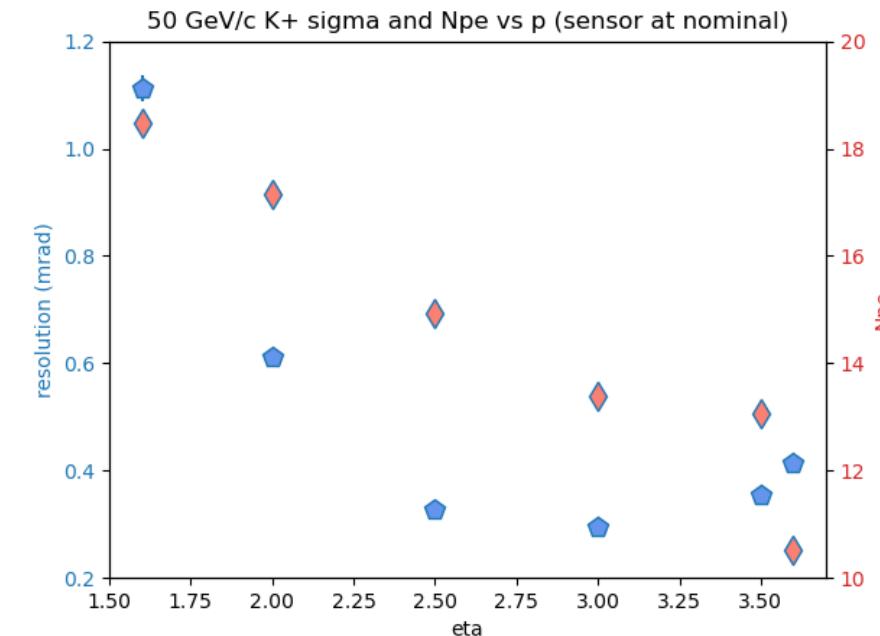
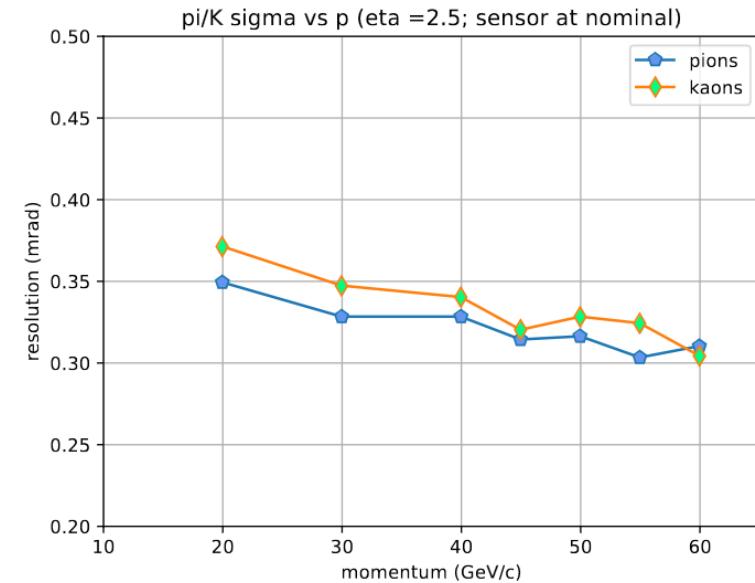
Reference number



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Simulation outcomes

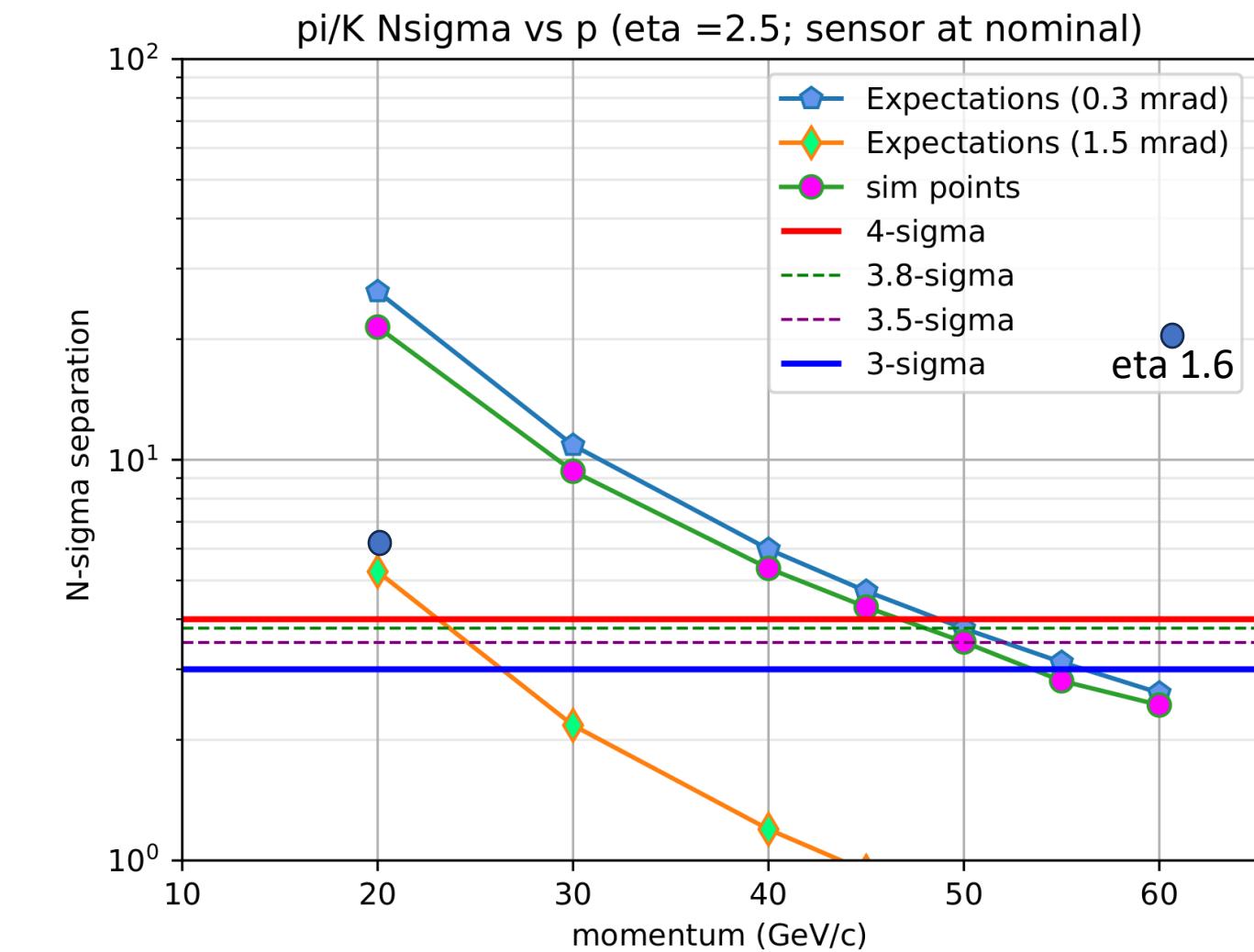


Case for Low eta

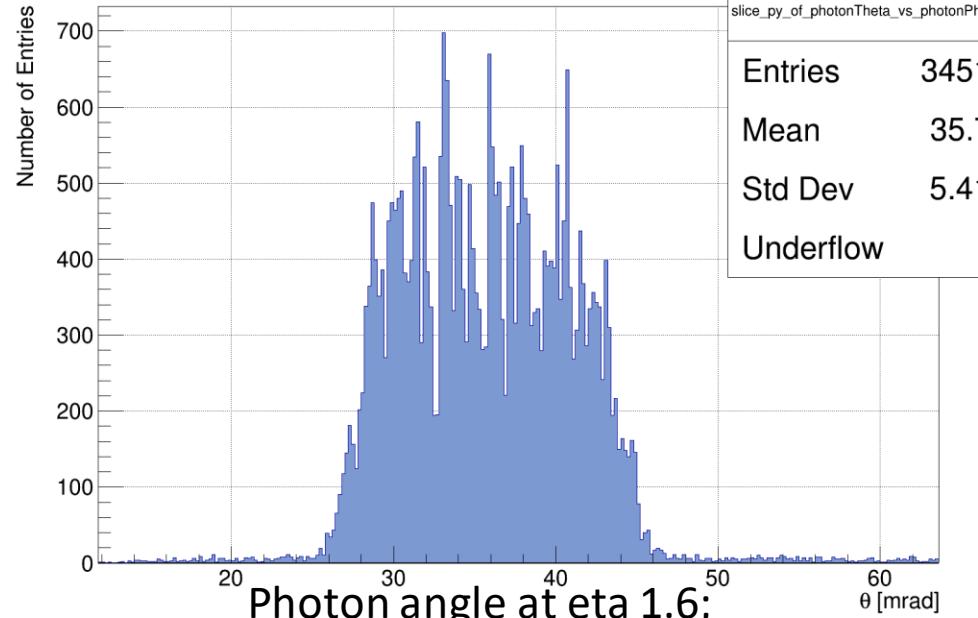
- 20 GeV pi/K at eta 1.6
 - Pi angle(sigma) 36.2 mrad (1.16); K angle(sigma) 28.5 mrad (1.2 mrad)
 - --> N-sigma ~ 6 (with nominal 0.3 we expected 20 sigma sep.)

In aerogel-->
pi 193.6 (0.417 mrad) and K
192.1 (0.426) --> 3.5 sigma
sep.

(Caveats: SPE/Ring resolution
mismatch with TB and only 6
photons!!)



ProjectionY of binx=[3,100] [x=-3.02..3.14]



ProjectionY of binx=[5,50] [x=-2.64..3.14]

