## Photon Reduction

A.Ali 17 Dec 2020

## Photon Yield

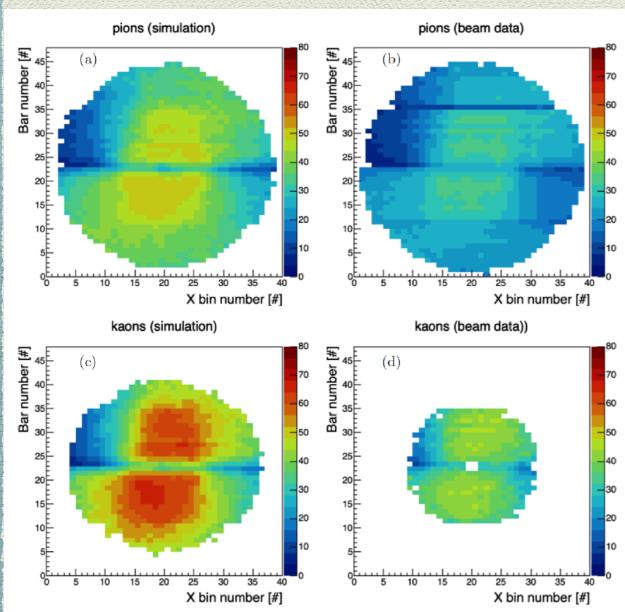


Figure 2.14: Photon yield maps for pions and kaons identified through the  $\rho$  and  $\phi$  reactions at (3-3.5) GeV/c momentum. (a)pion tracks simulation, (b) pion tracks beam data, (c) Kaon tracks simulation, (b) kaon tracks beam data.

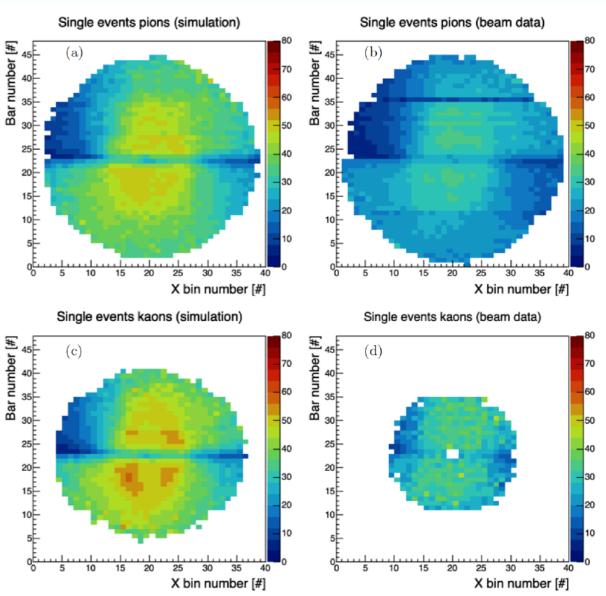
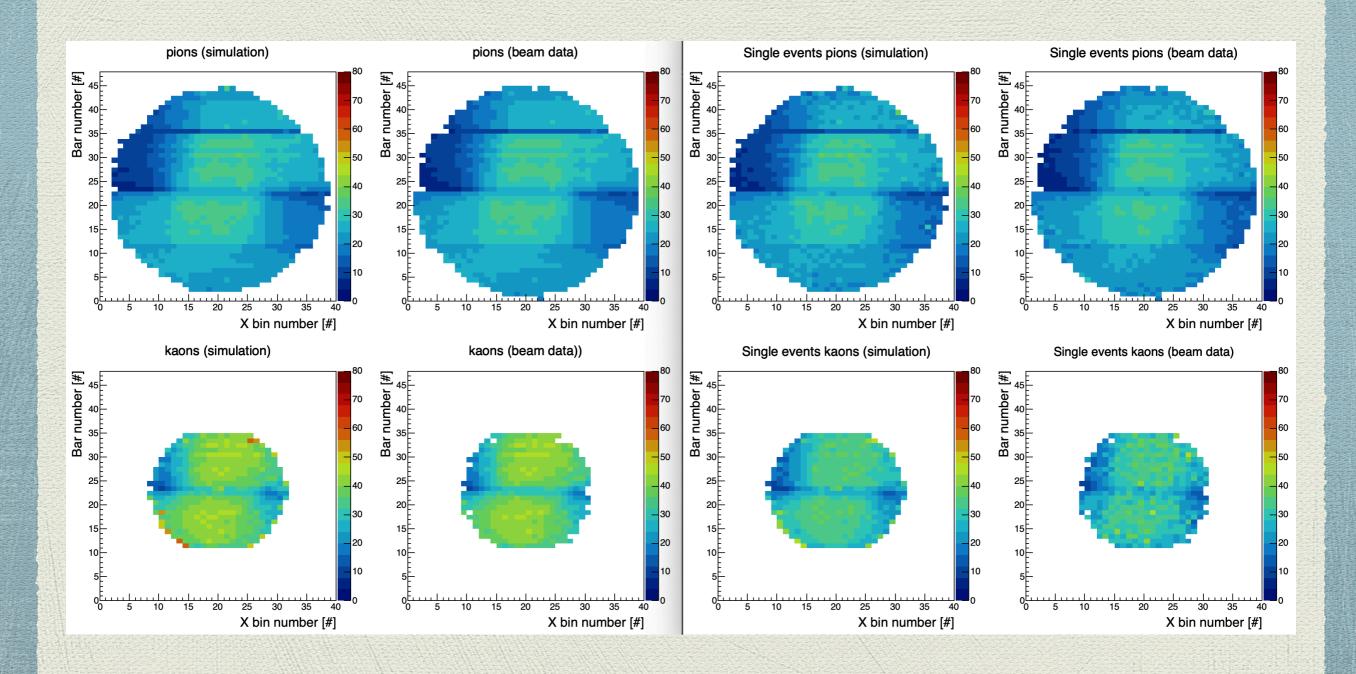
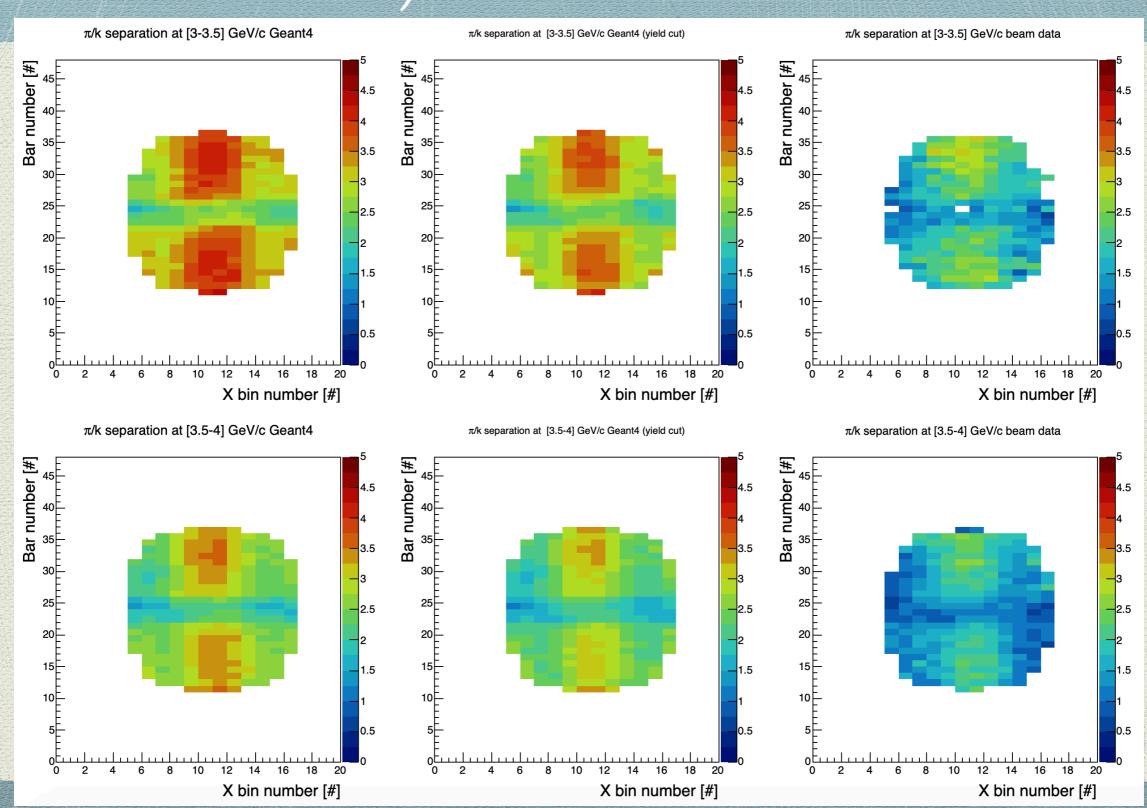


Figure 2.15: Photon yield maps for pions and kaons identified through the  $\rho$  and  $\phi$  reactions at (3-3.5) GeV/c momentum using events that have single track at the DIRC wall. (a)pion tracks simulation, (b) pion tracks beam data, (c) Kaon tracks simulation and (d) kaon tracks beam data.



## Kaon/Pion Separation (cut solution)



## Kaon/Pion Separation (cut photons)

