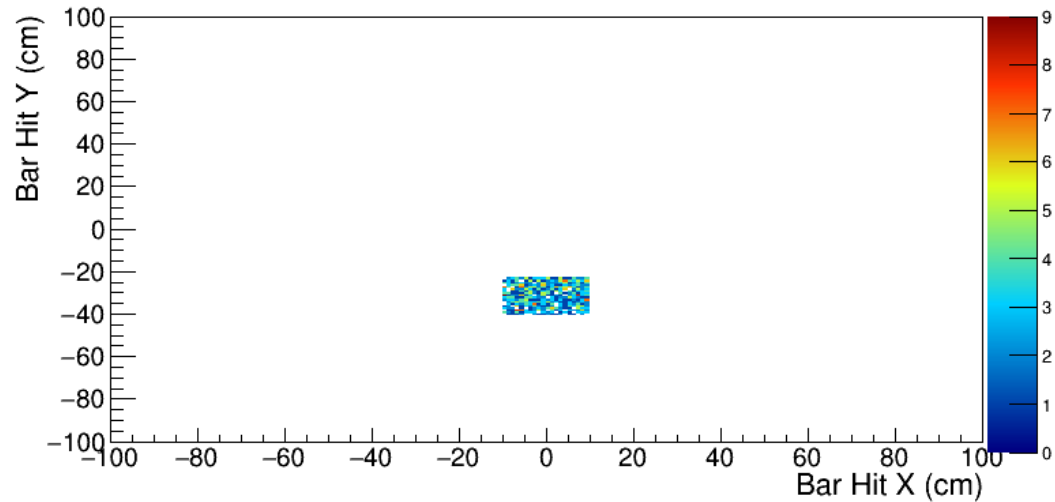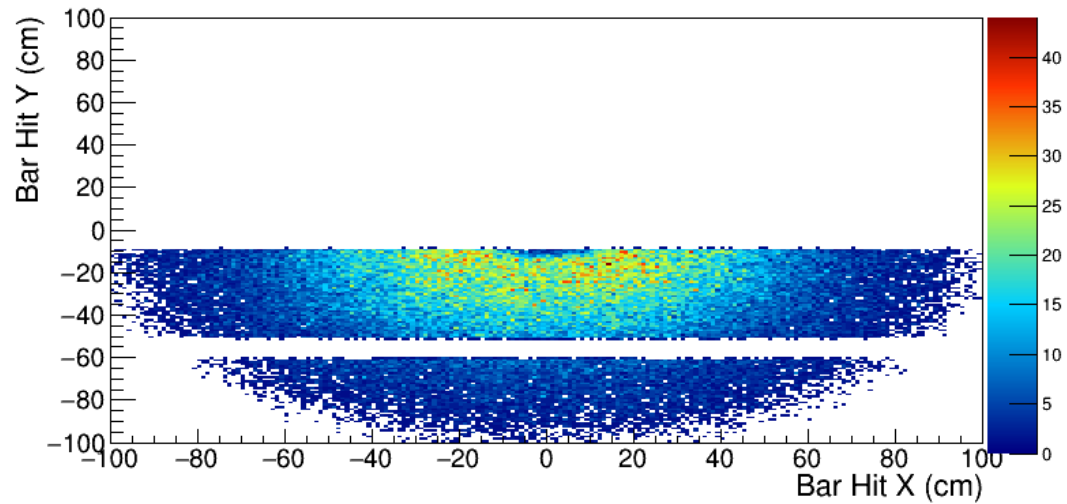# COMMISSIONING ANALYSES I
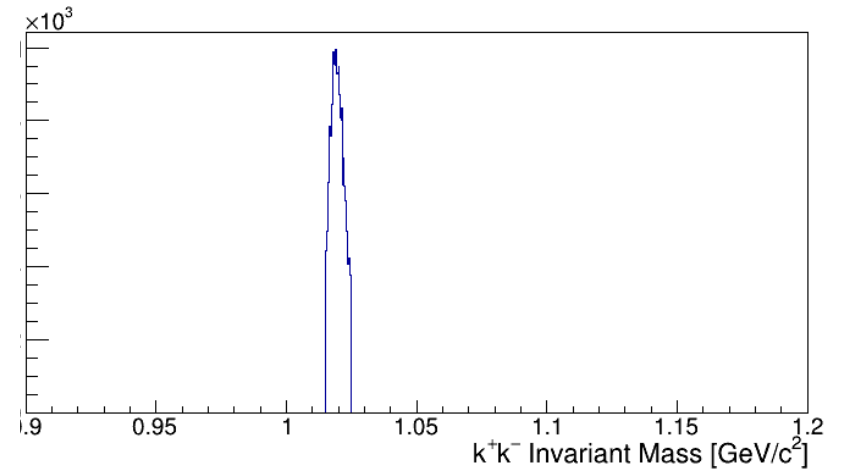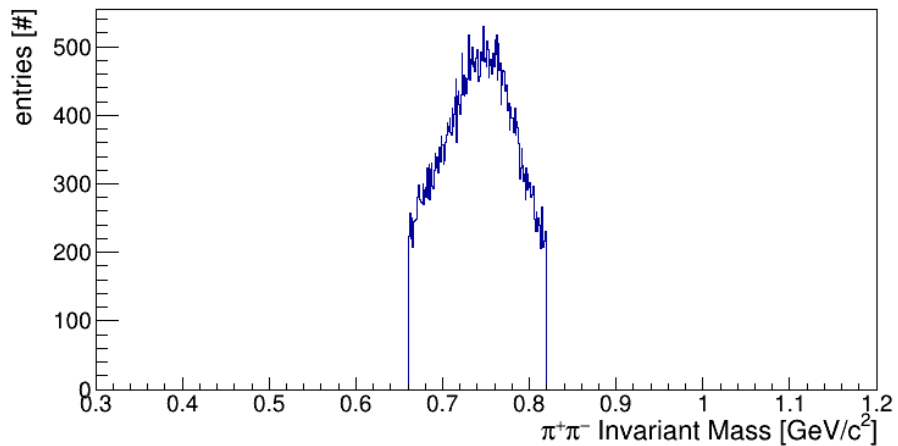
Ahmed

Track Selection

Invariant Mass Cut
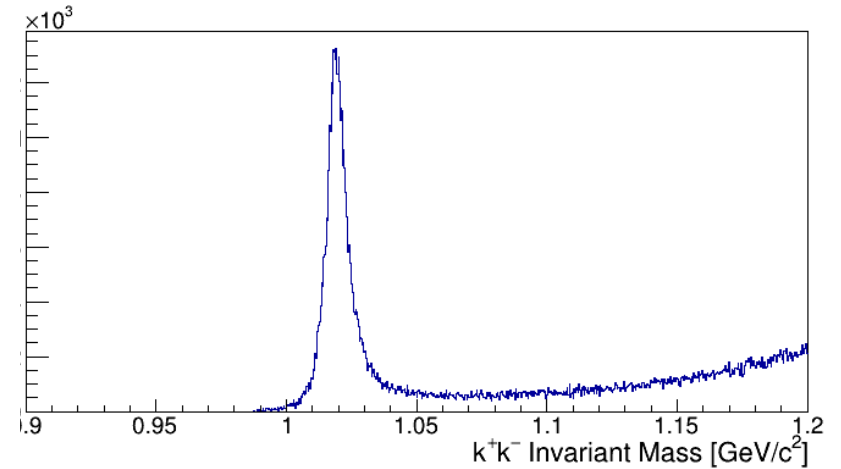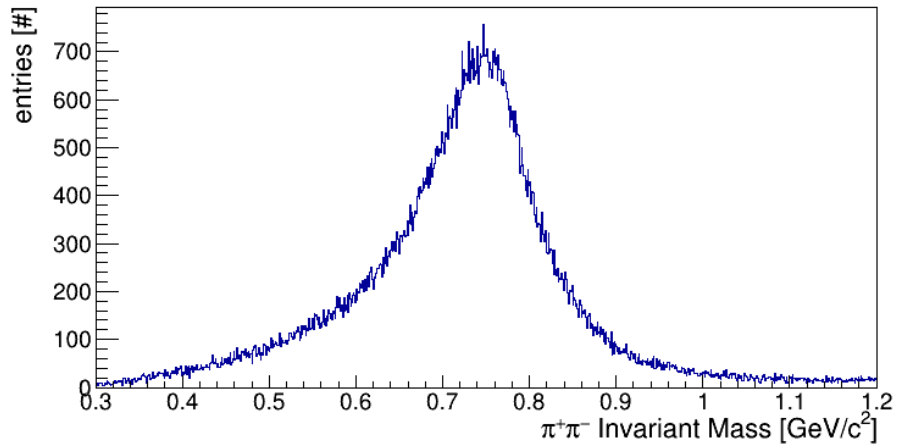
Kinematic fit
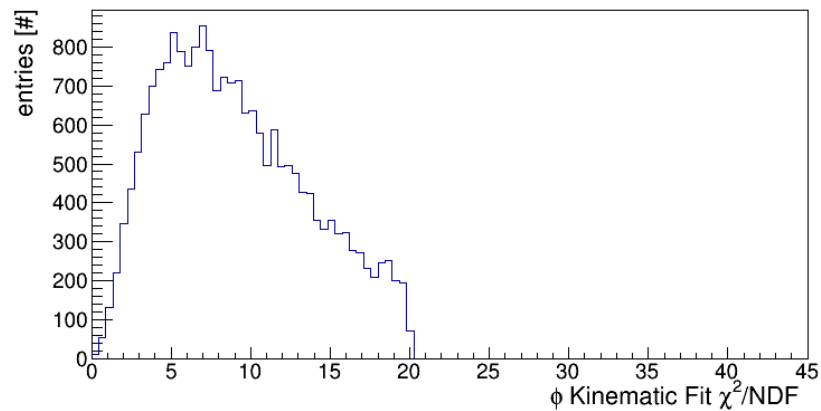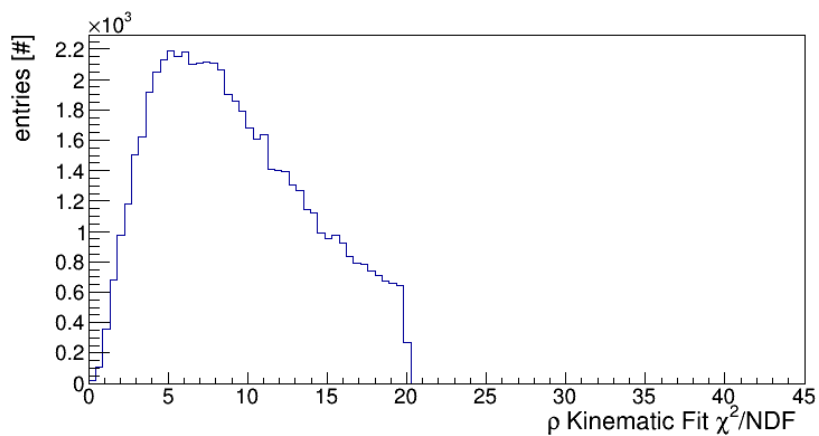
Momentum Vs Polar angle

Missing Mass Squared

Time

Time difference

Selected
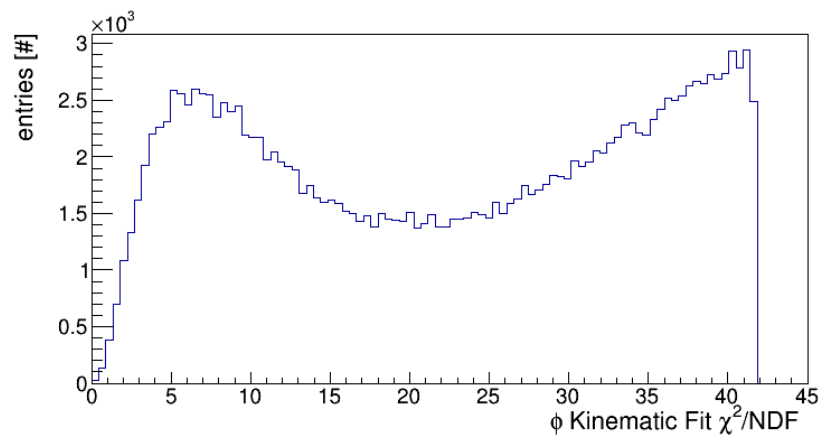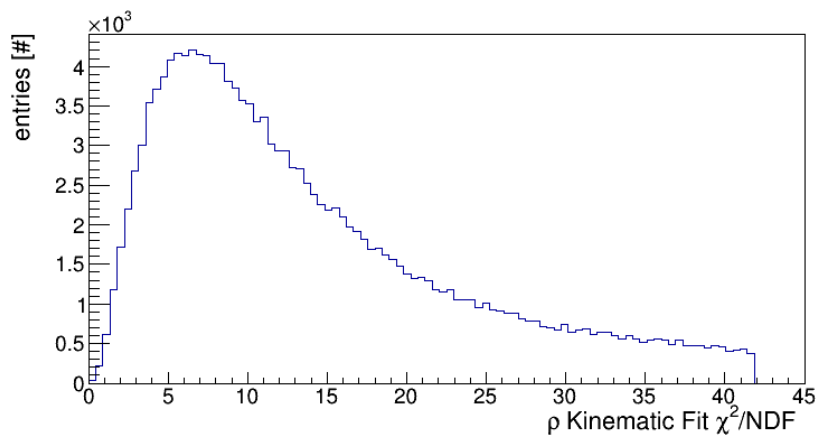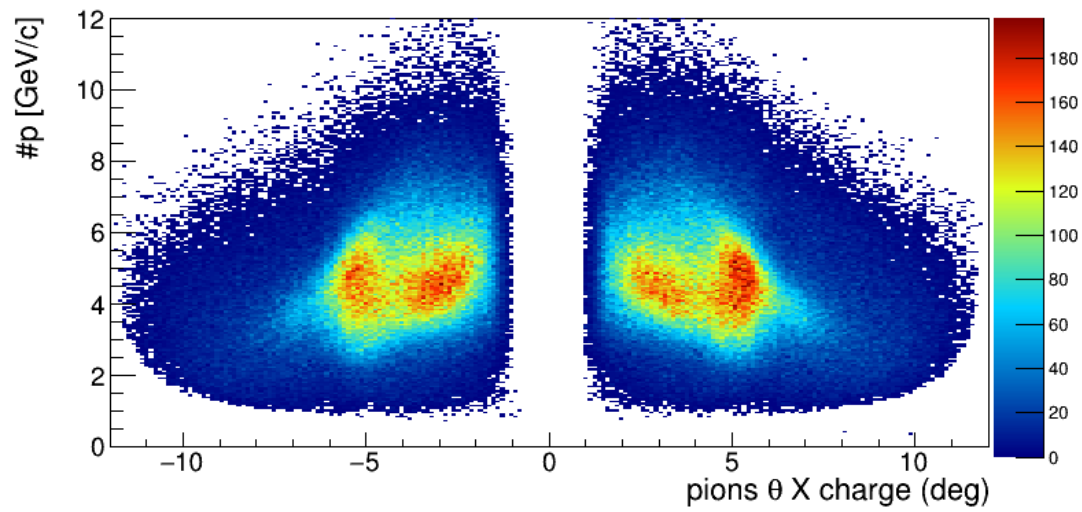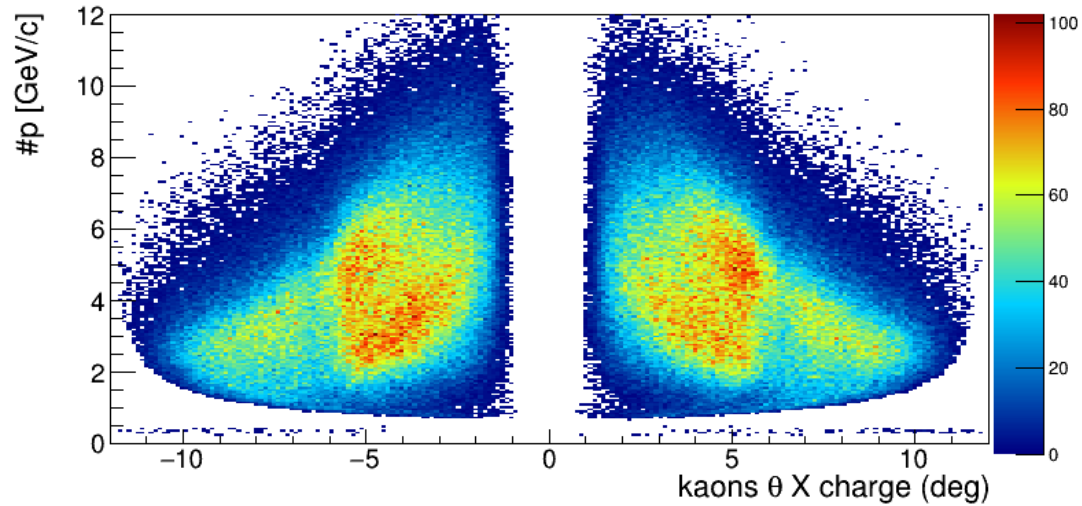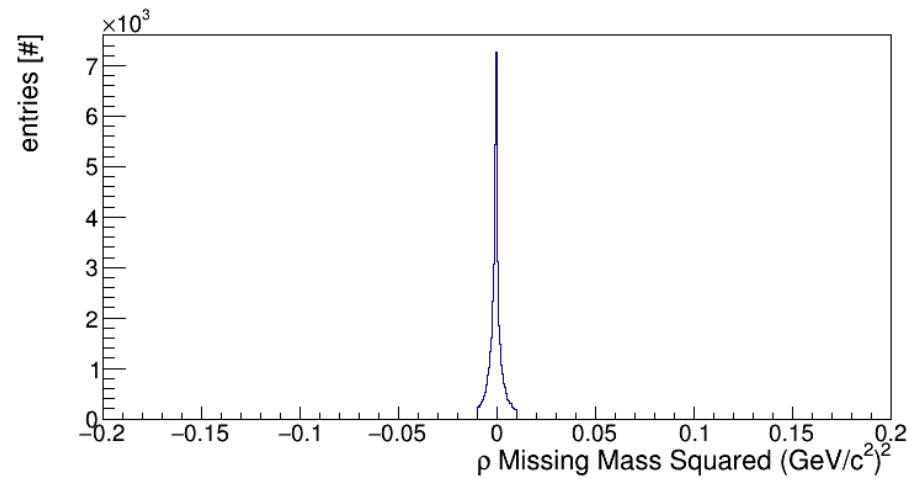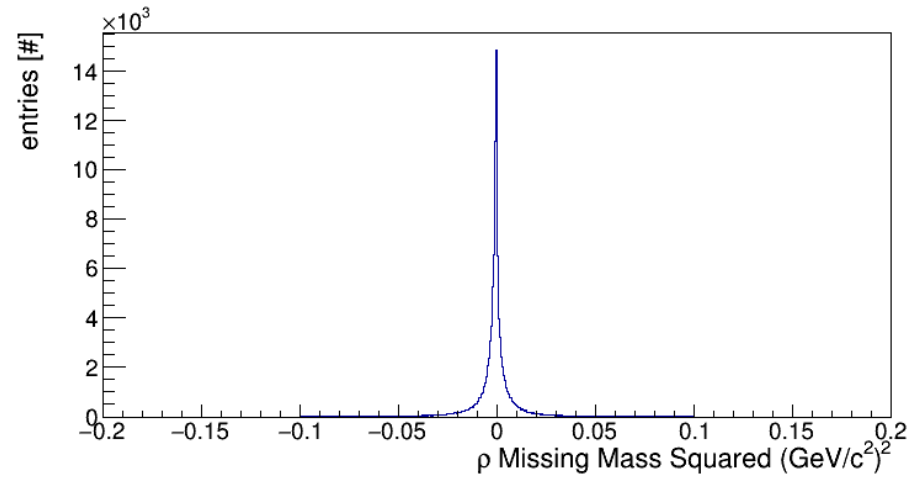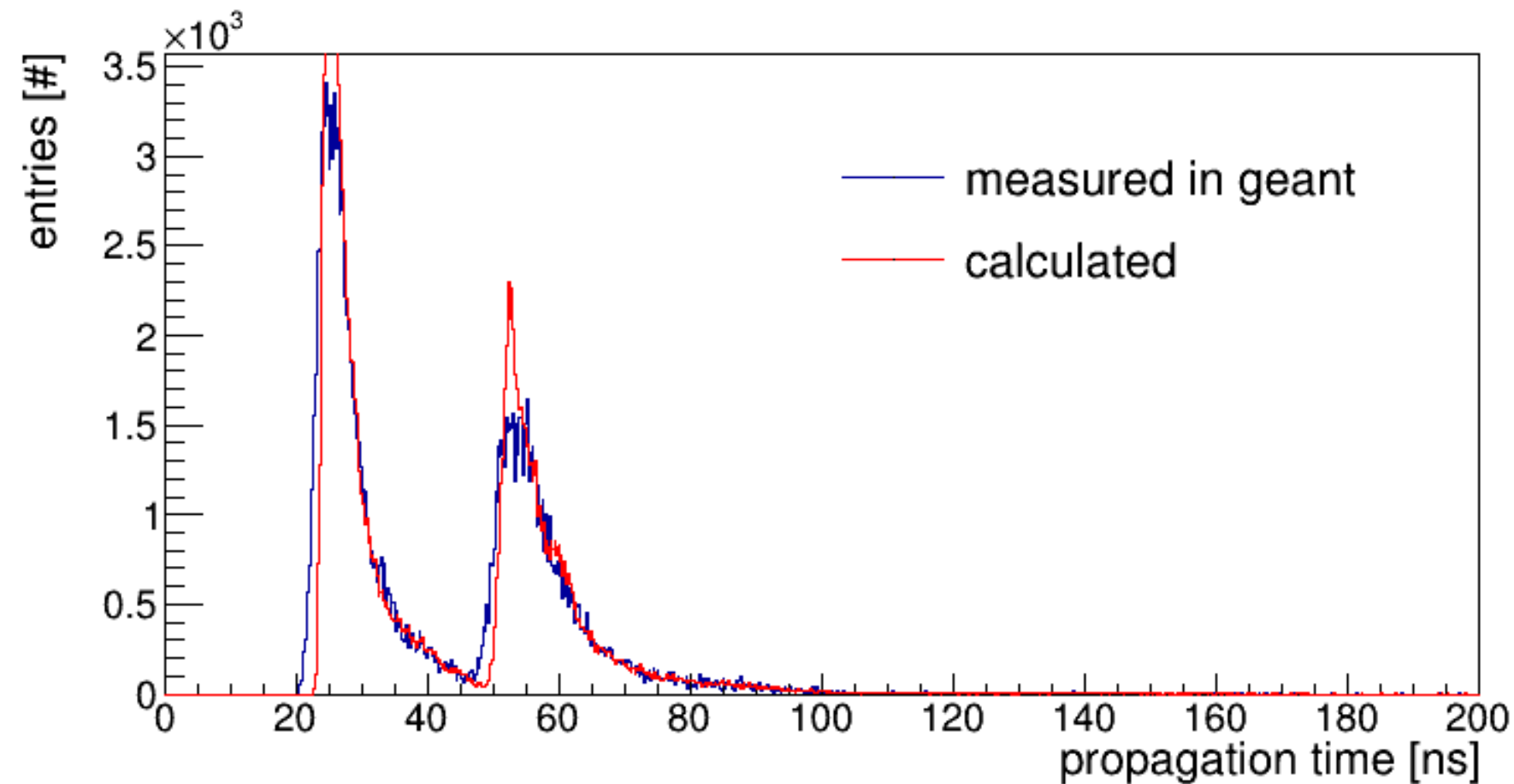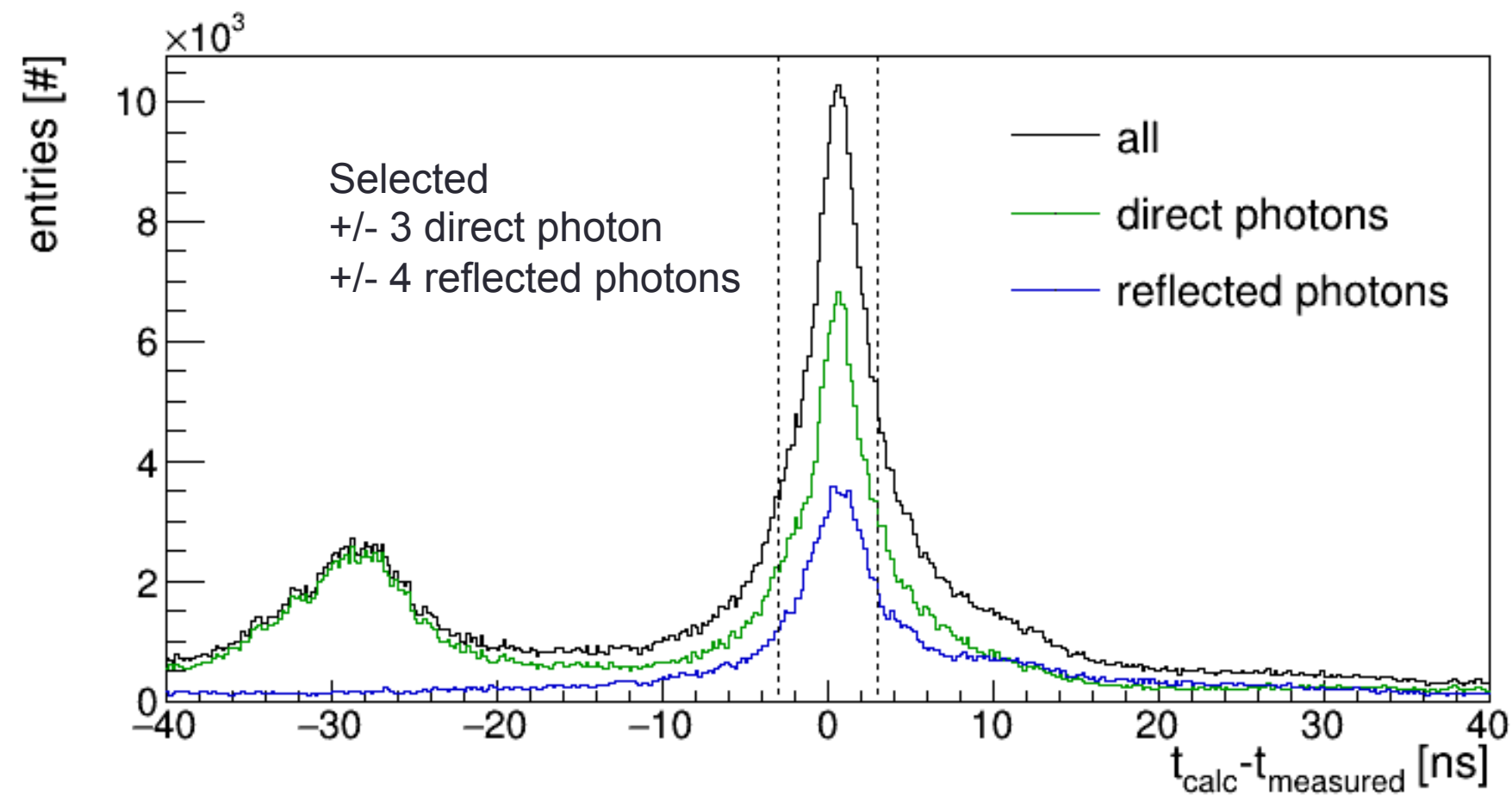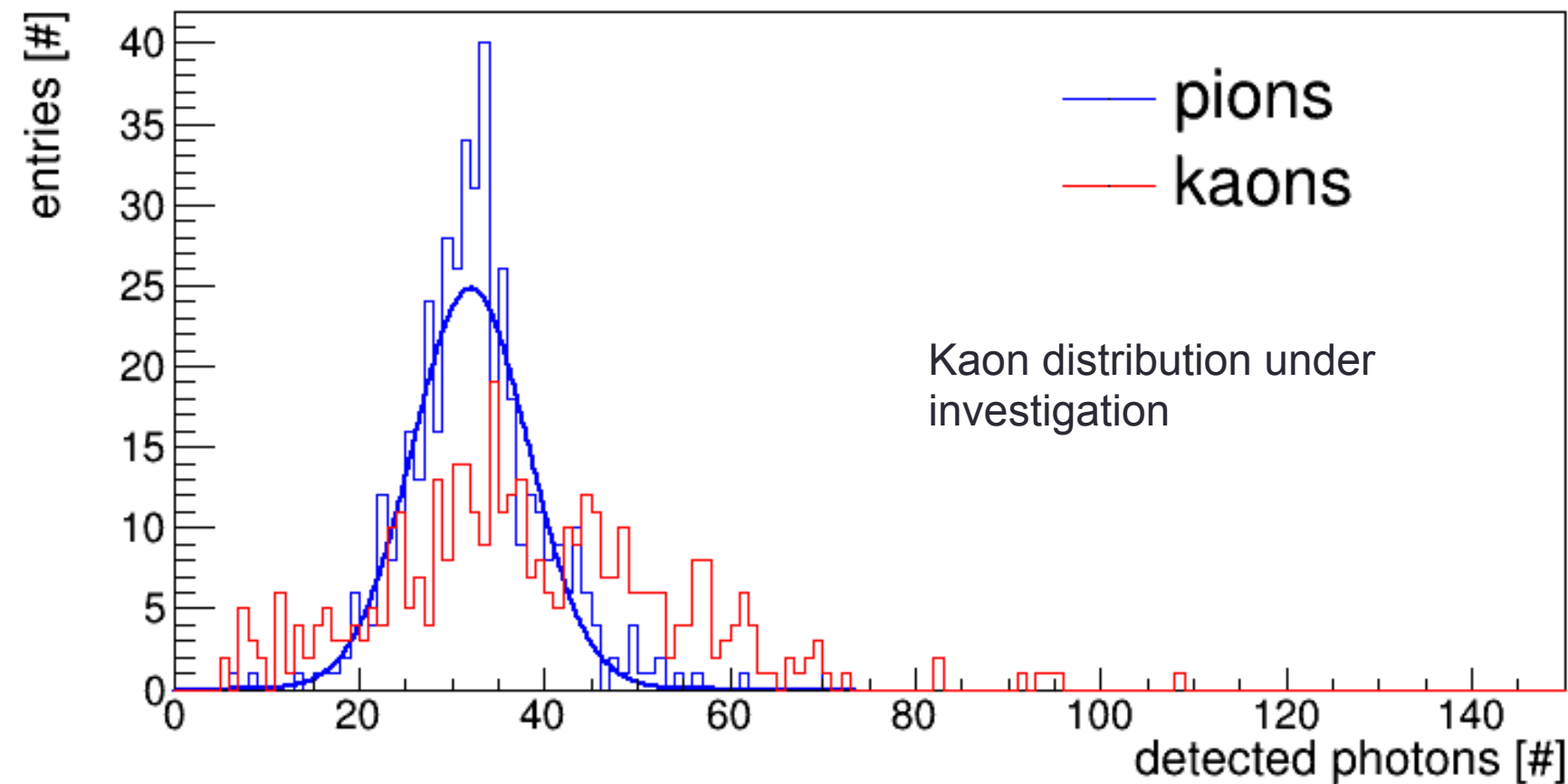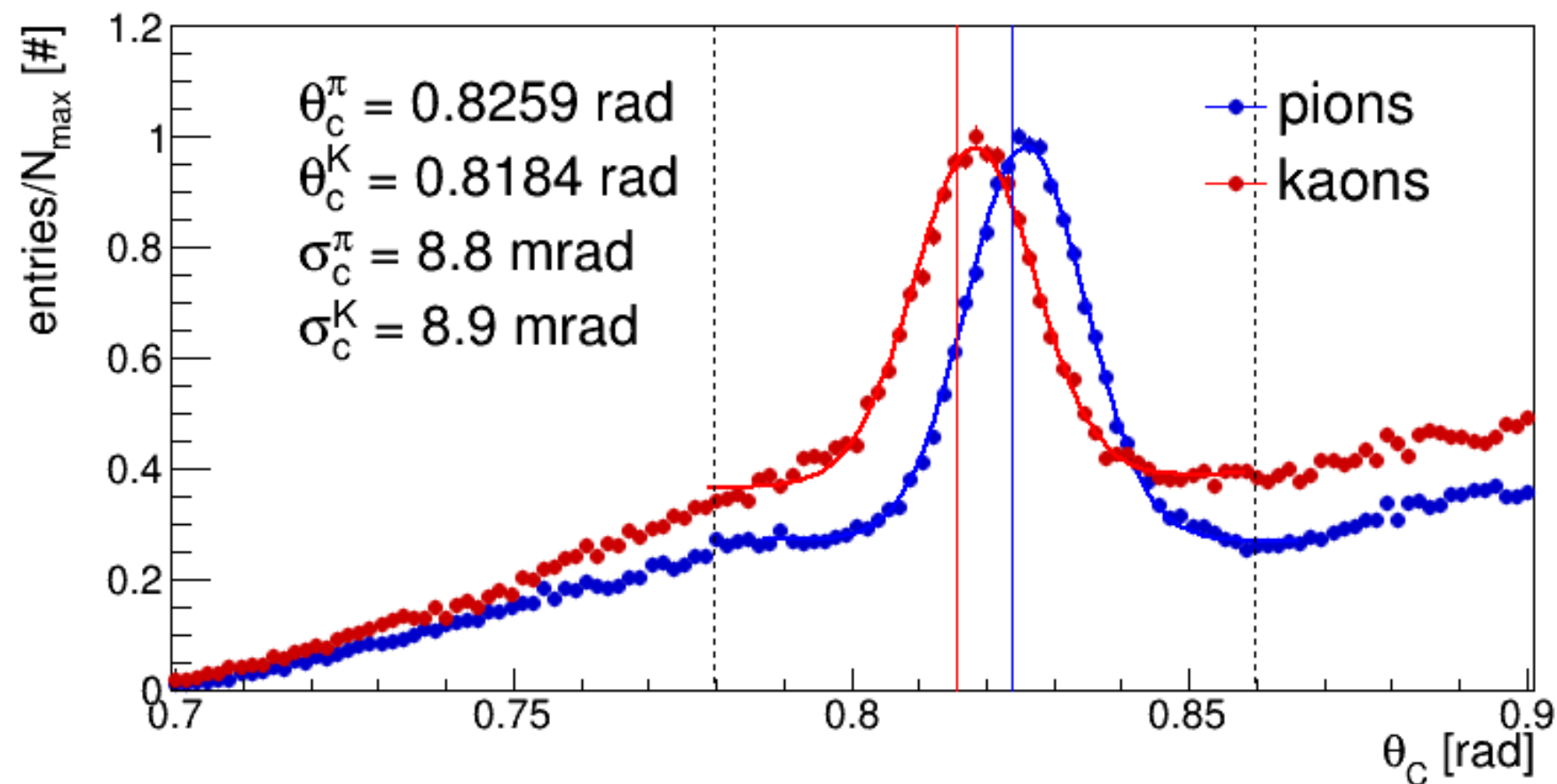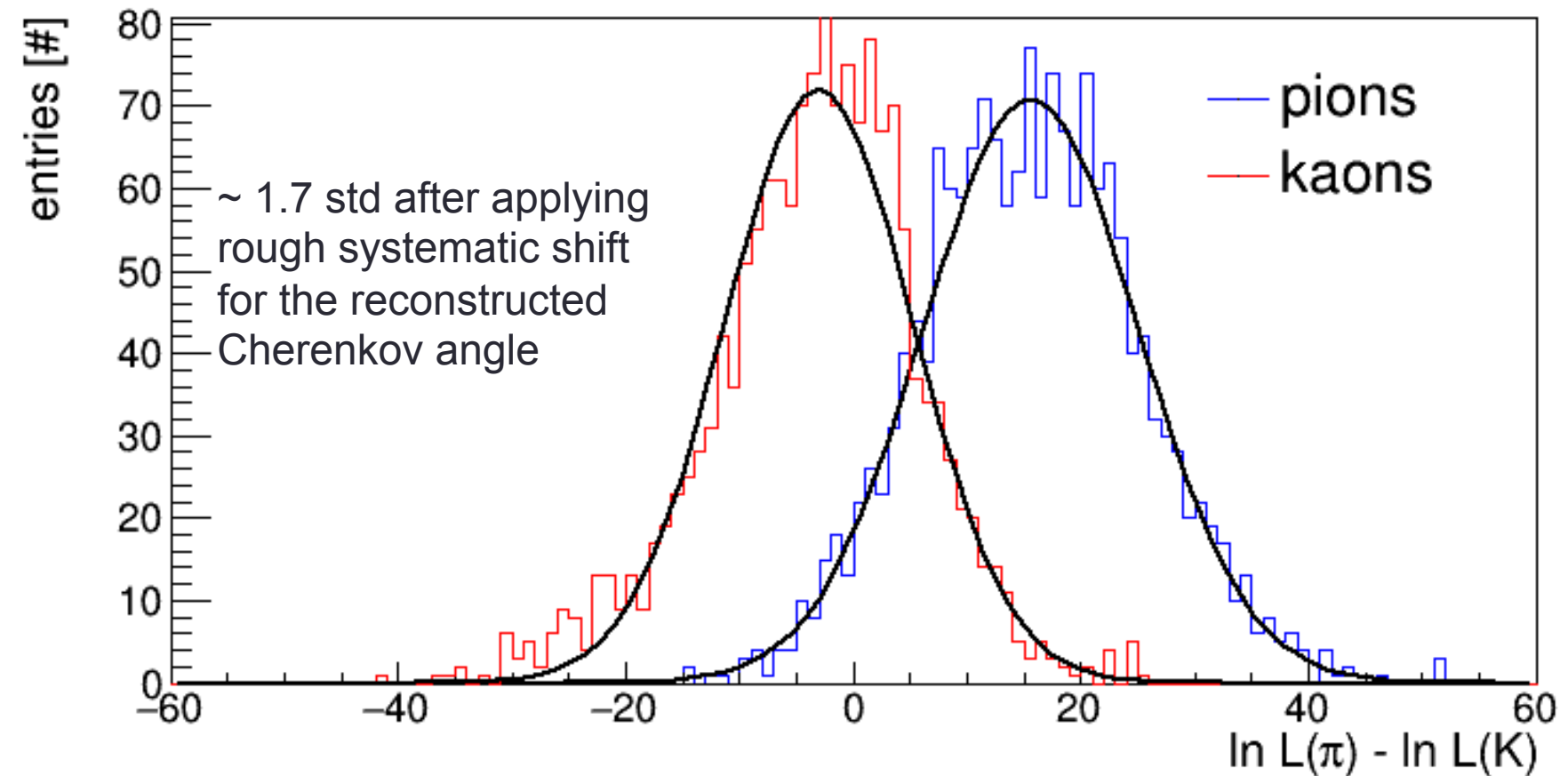+/- 3 direct photon
+/- 4 reflected photons

Photon Yield

Kaon distribution under investigation

Reconstructed Angle

$\theta_c^\pi = 0.8259$ rad

$\theta_c^K = 0.8184$ rad
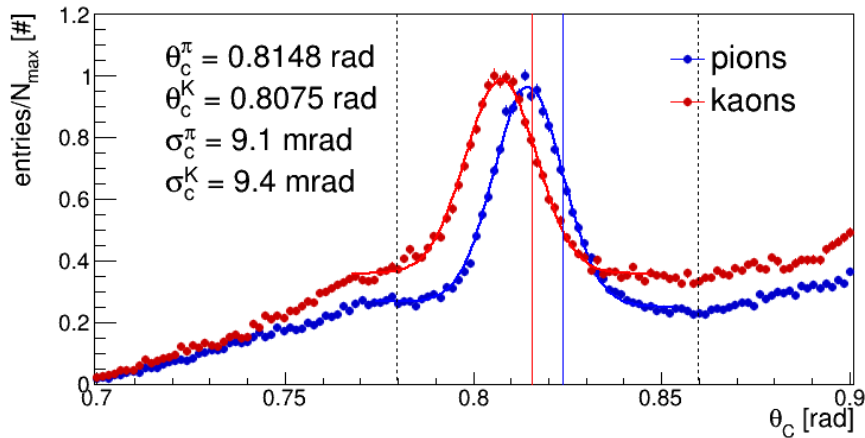
$\sigma_c^\pi = 8.8$ mrad
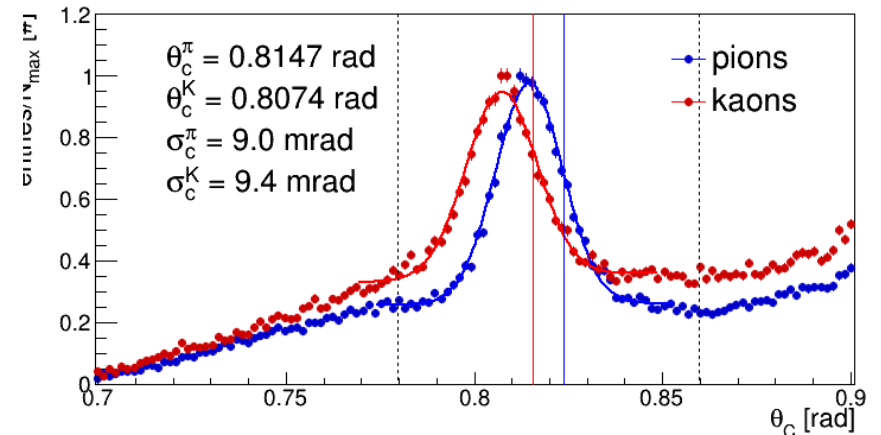
$\sigma_c^K = 8.9$ mrad
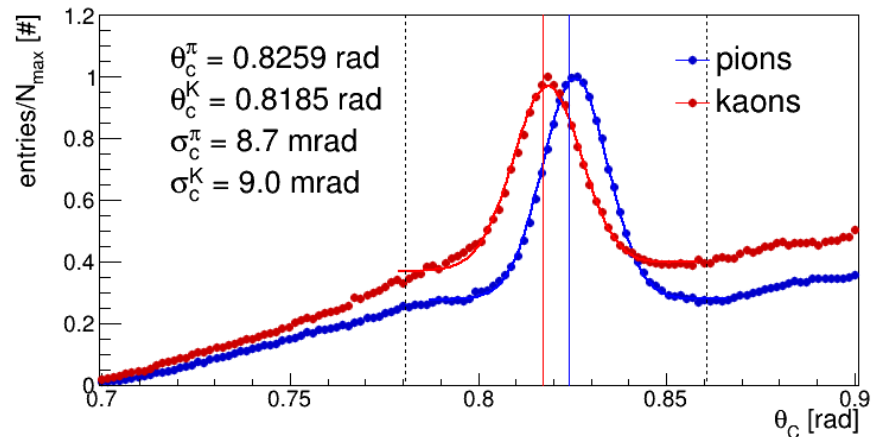
pions

kaons

Separation Power

LUTs comparisons

LUT Version 12 hotons generated over the full end of the bar surface

LUT Version 13 photons generated from the center of the bar end only

Old LUT Version 11