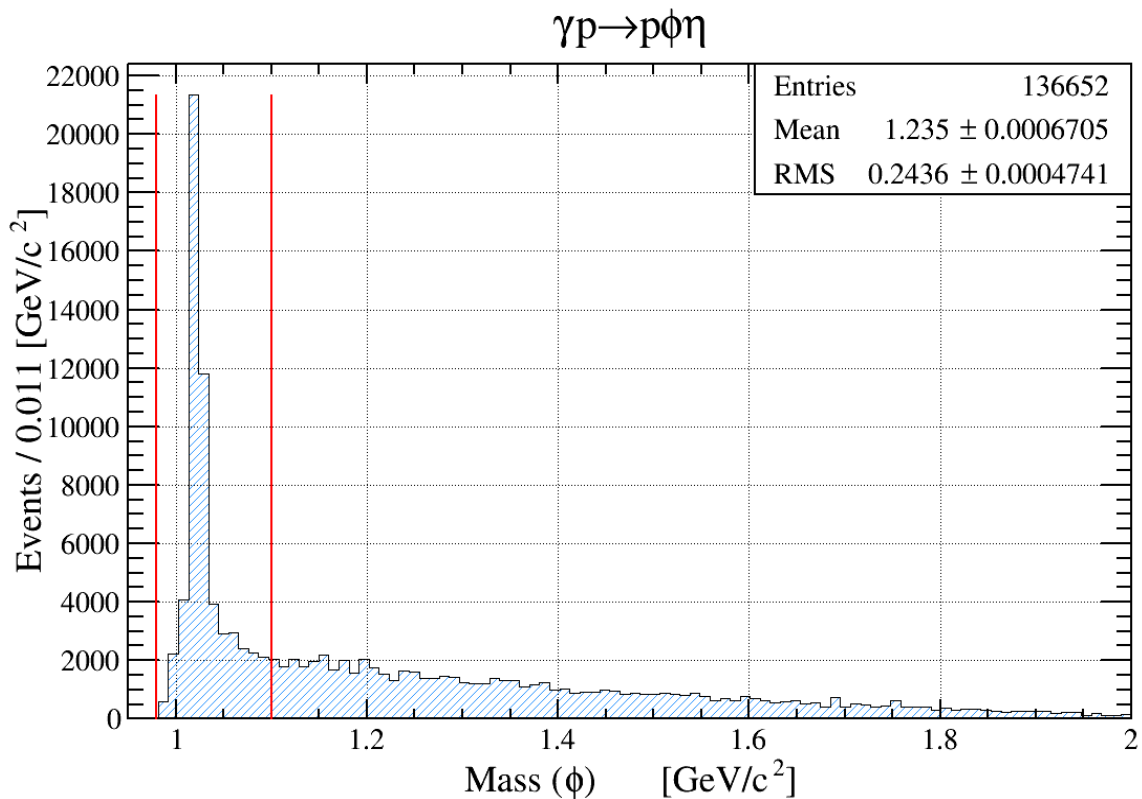
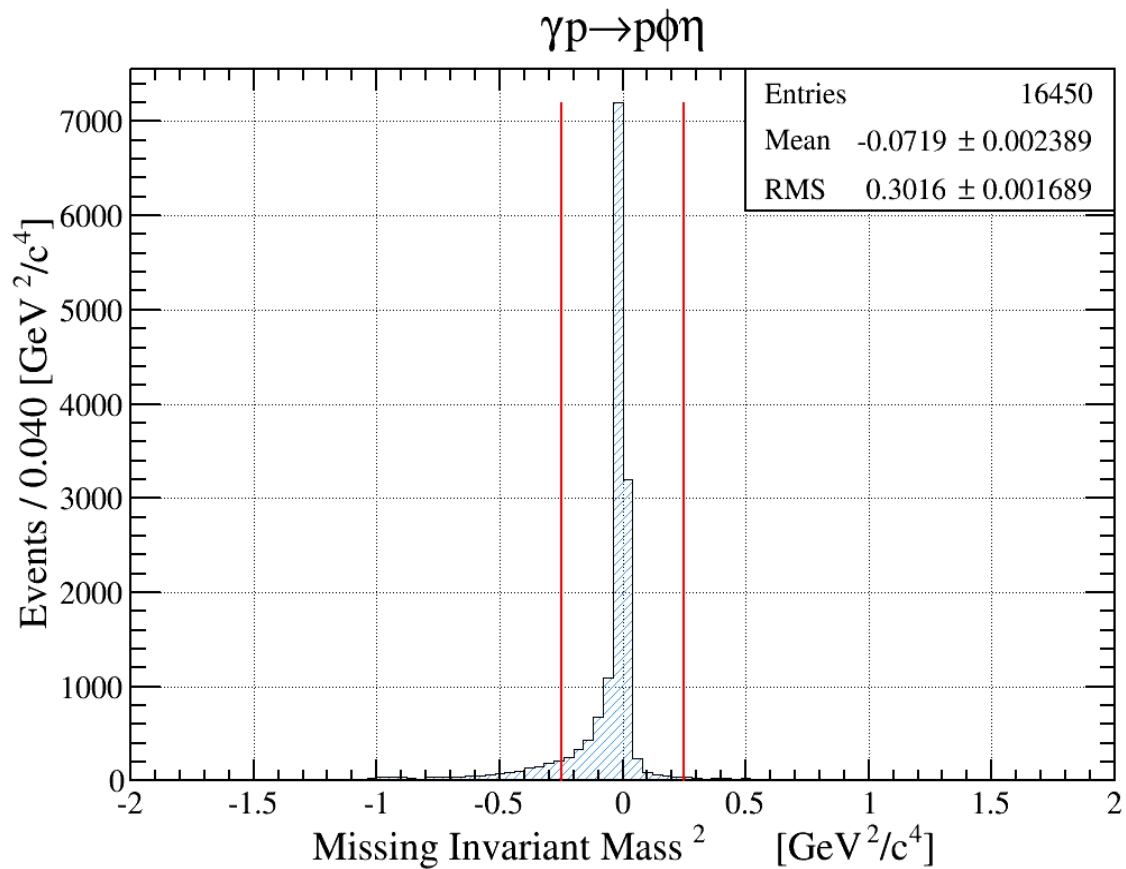


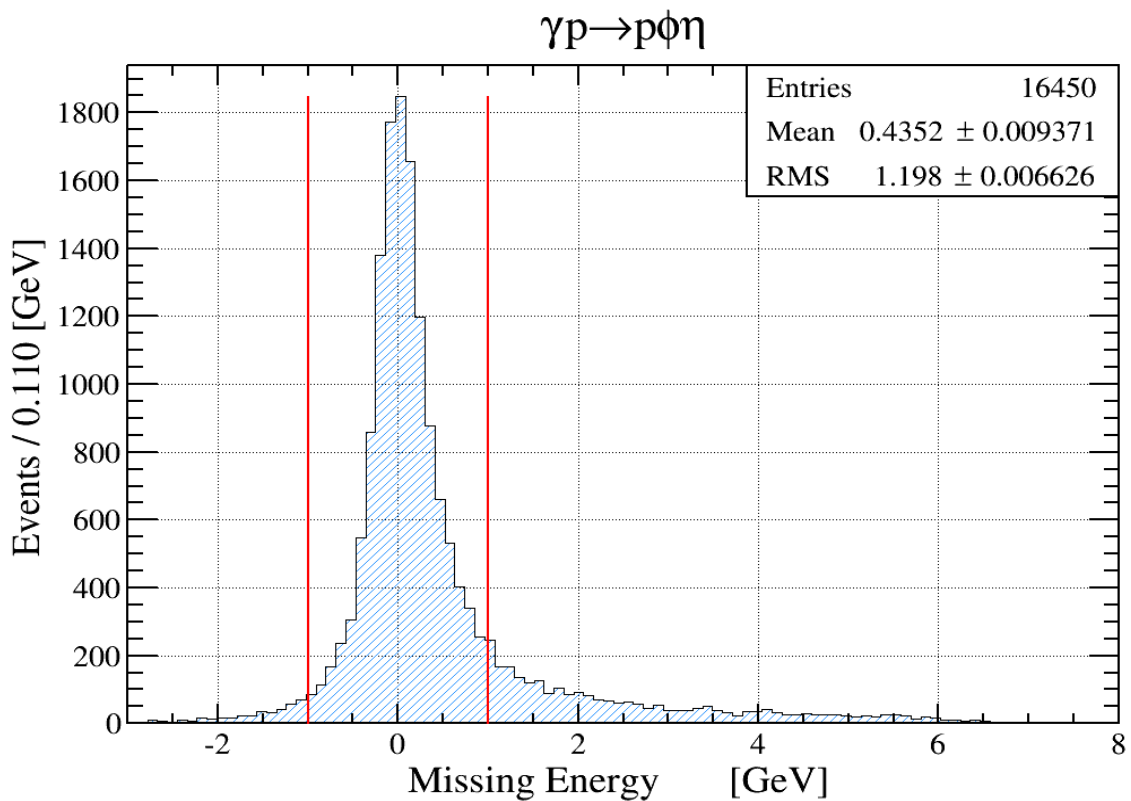
Mass cut in Photon1 + Photon2 invariant mass plot. [0.45-0.65]



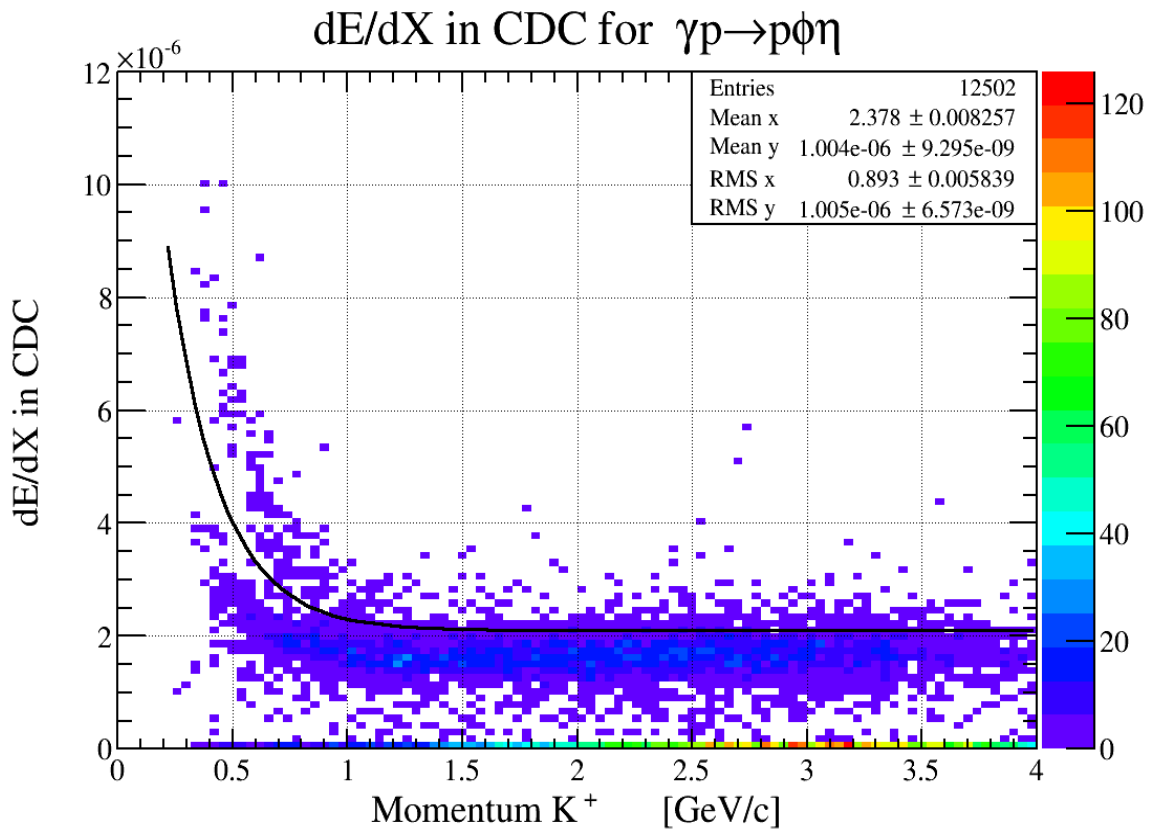
Mass cut in Kplus + KMinus invariant mass plot. [0.98-1.10]



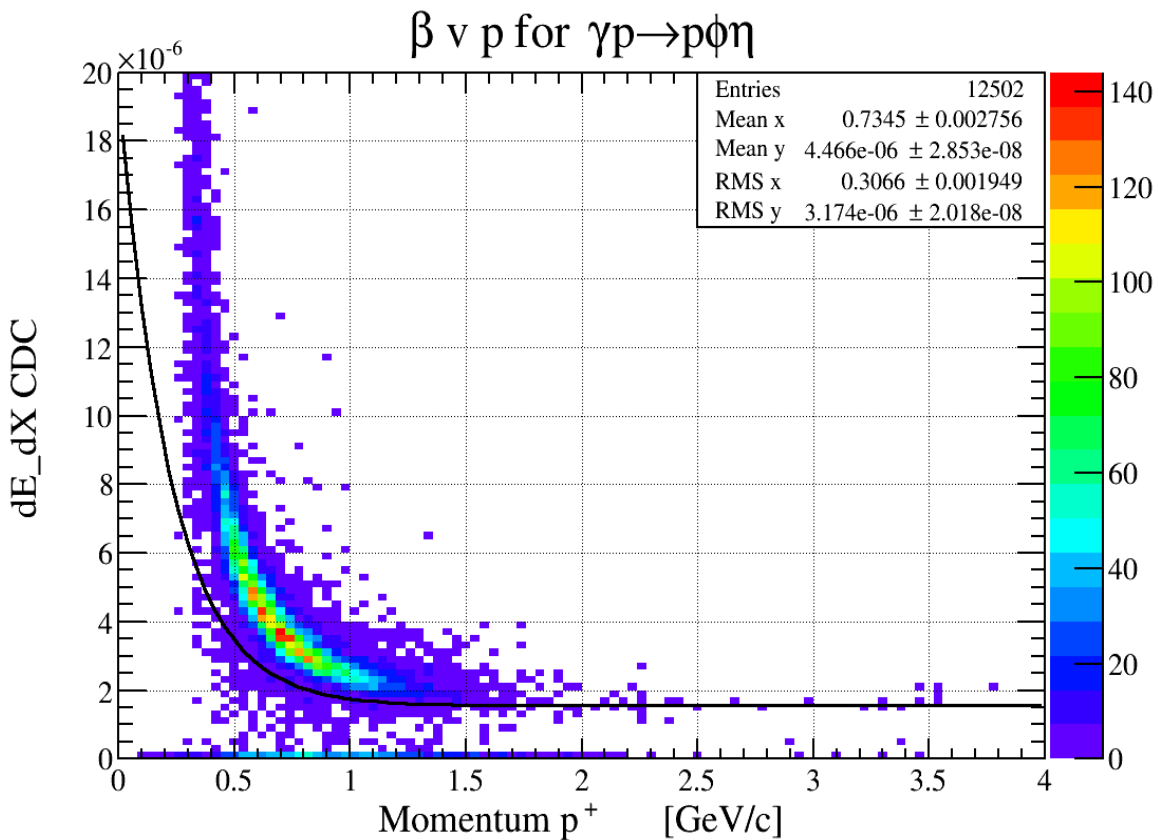
Missing Mass Squared cut [-0.25-0.25]



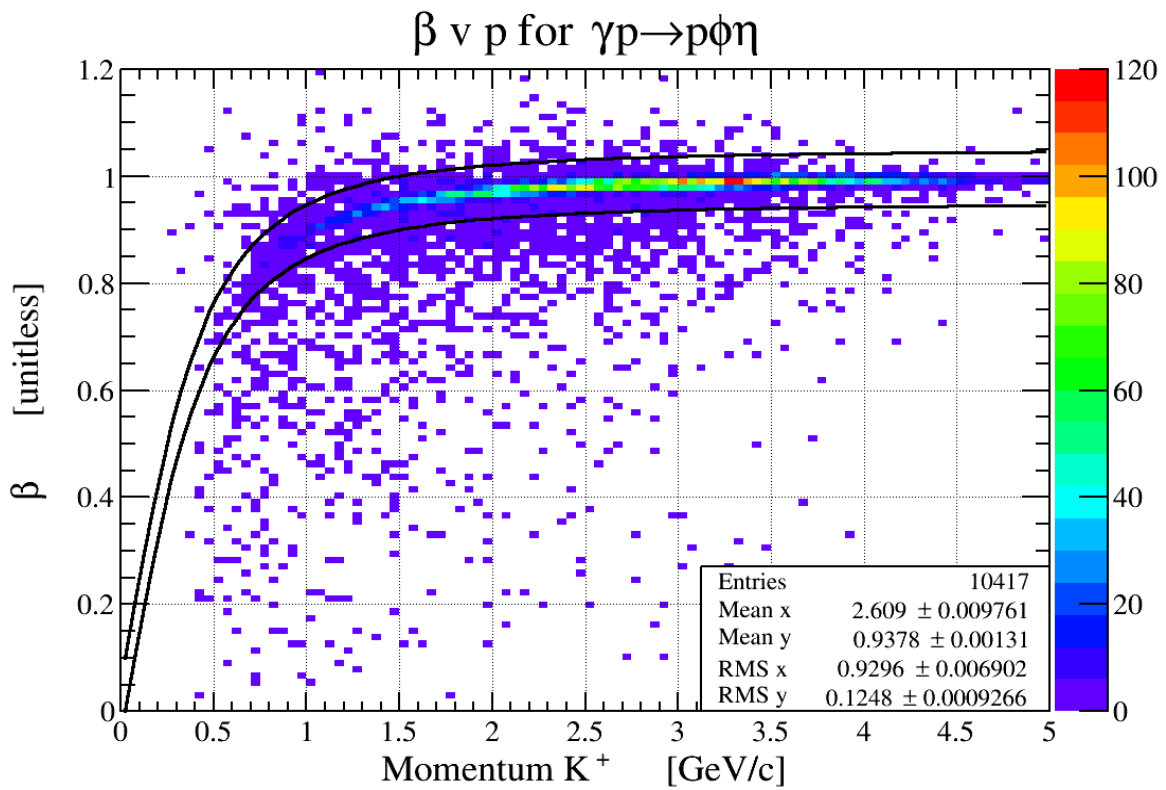
Missing Energy Cut [-1.00-1.00]



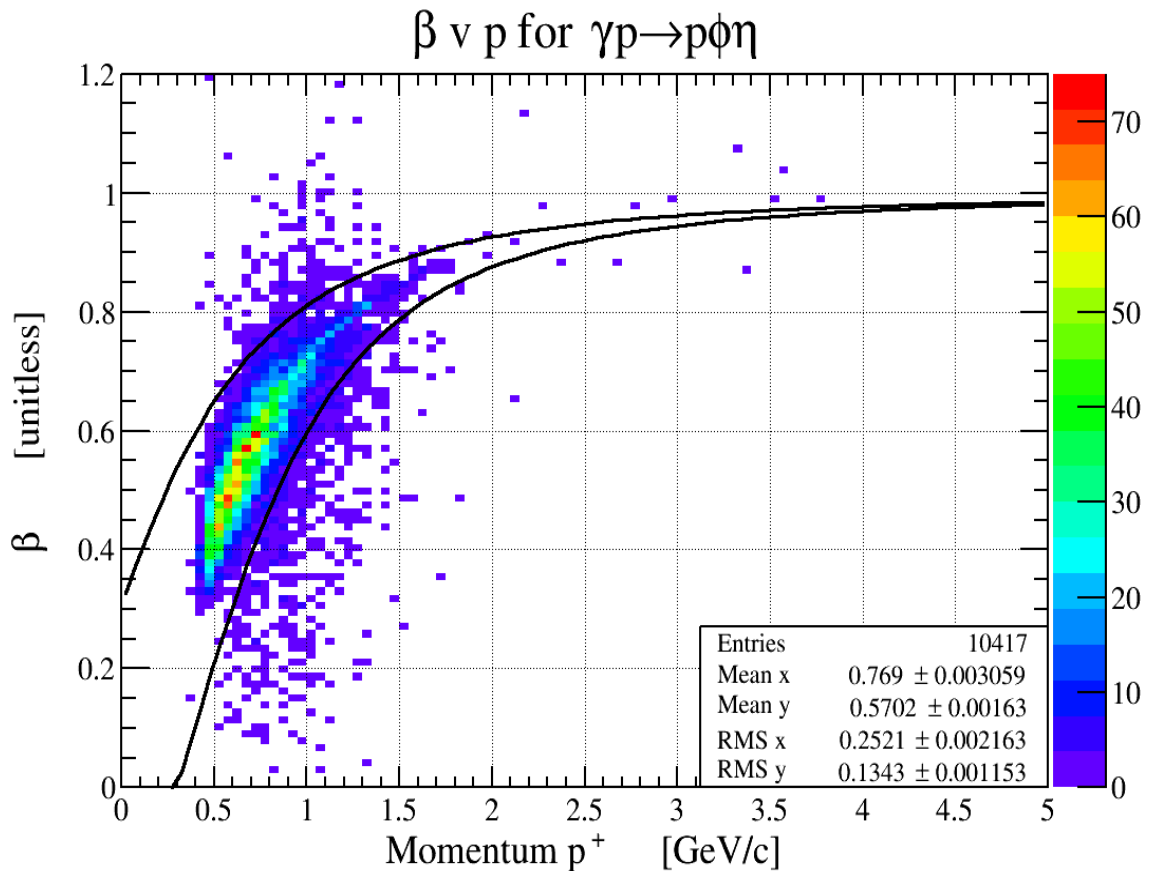
dE/dx inside the CDC cut for Kaons $[KPlus_dEdx_CDC < (\exp(-4.5*P + 2.9) + 2.10)*0.000001]$



dE/dx inside the CDC cut for Protons $[Proton_dEdx_CDC > (\exp(-4.5*P + 2.9) + 1.55)*0.000001]$



Beta vs Momentum cut for Kaons [Kplus_Beta between $P/\sqrt{m^*m + P^*P} \pm 0.05$]



Beta vs Momentum cut for Protons [Proton_Beta between $(P+0.3)/\sqrt{m^*m + (P+0.3)^* (P+0.3)}$]

After these cuts:

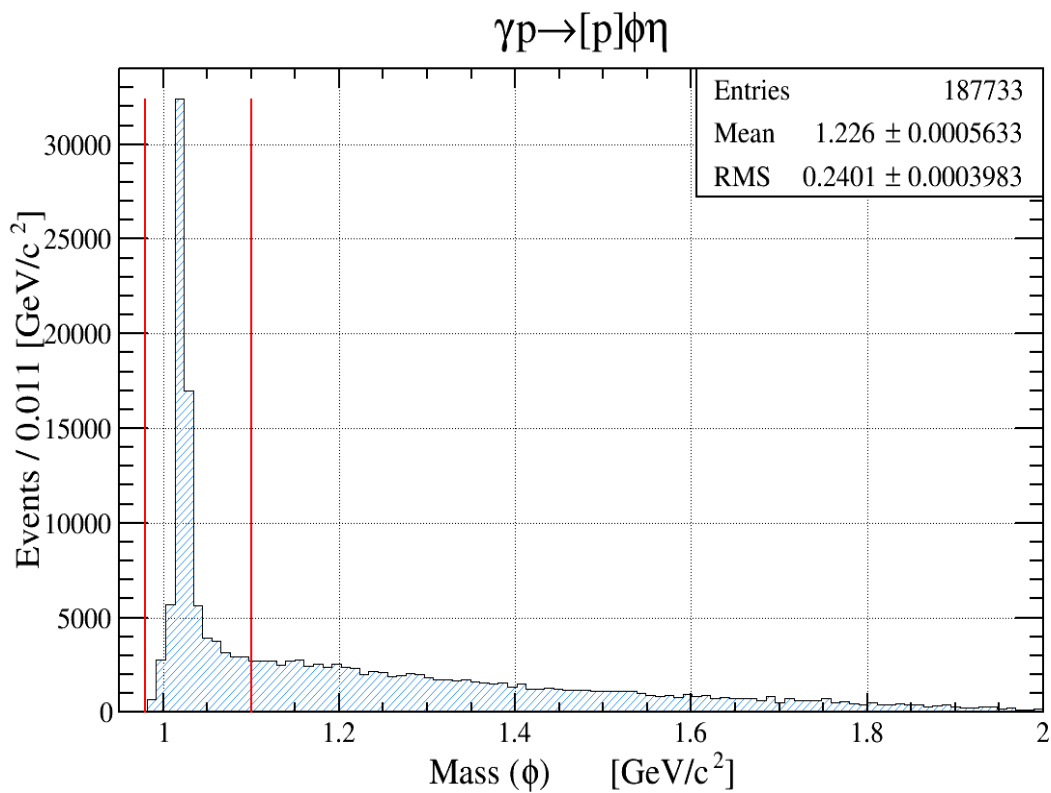
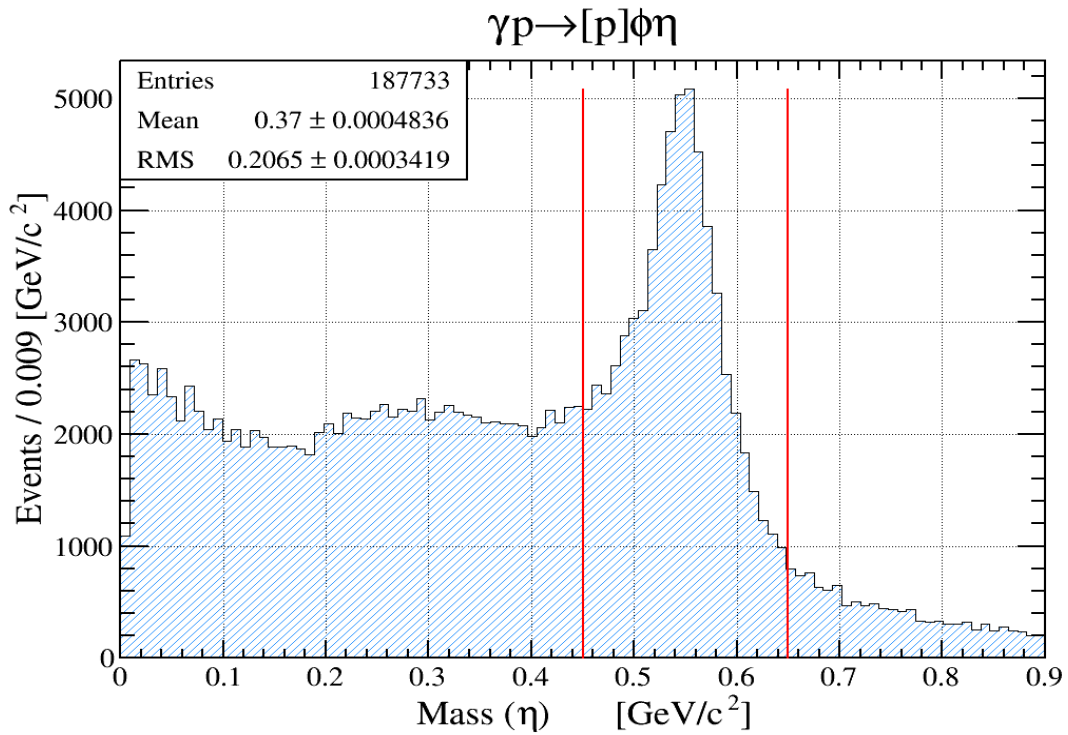
Events: 3983

Events + Combinations: 4279

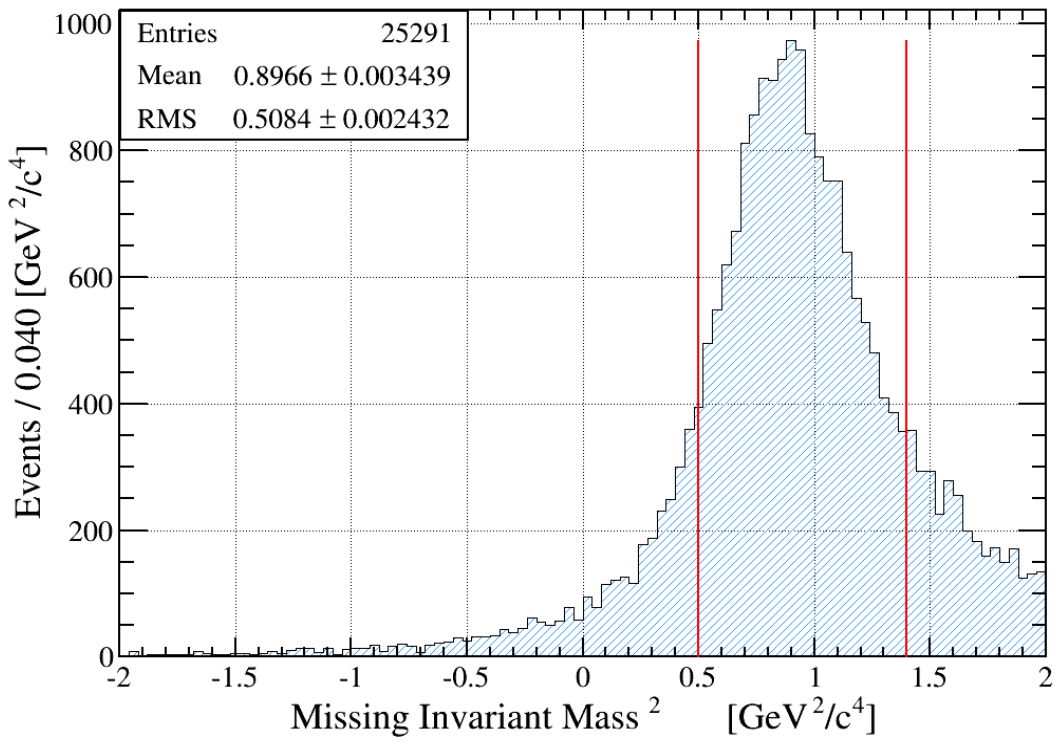
Extra Combinations: 296 Events $\sim 7\%$

Total Acceptance after Combo Cut: $\sim 4\%$

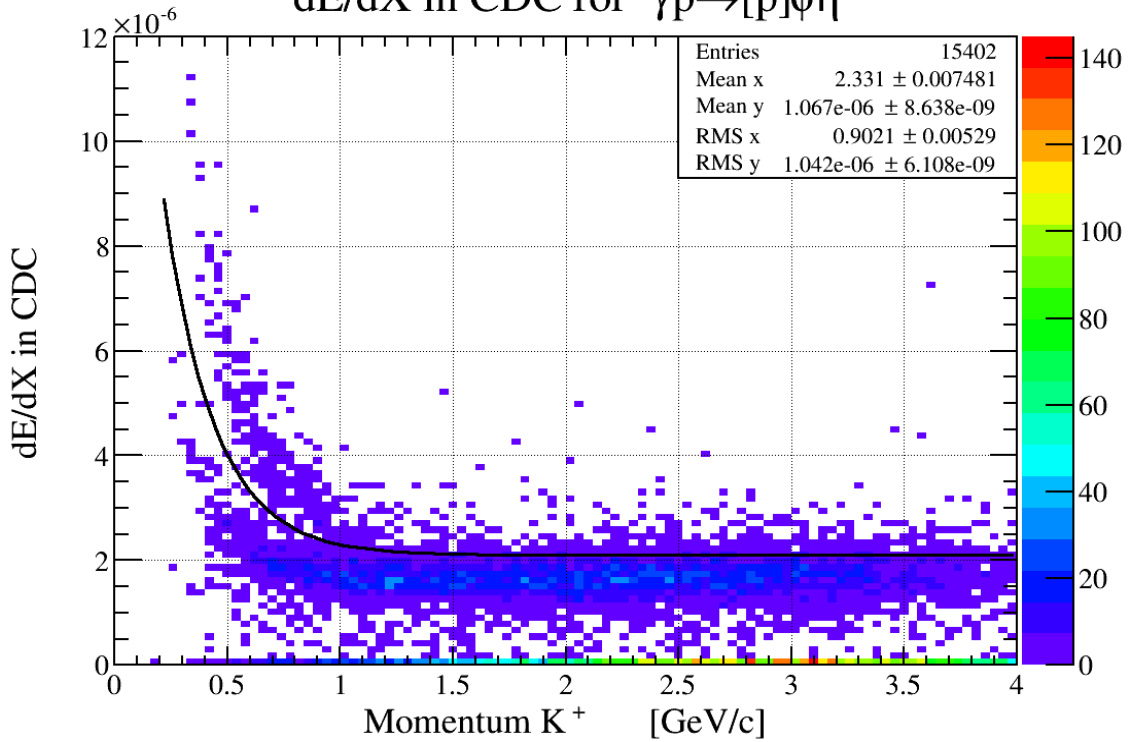
Missing Proton:

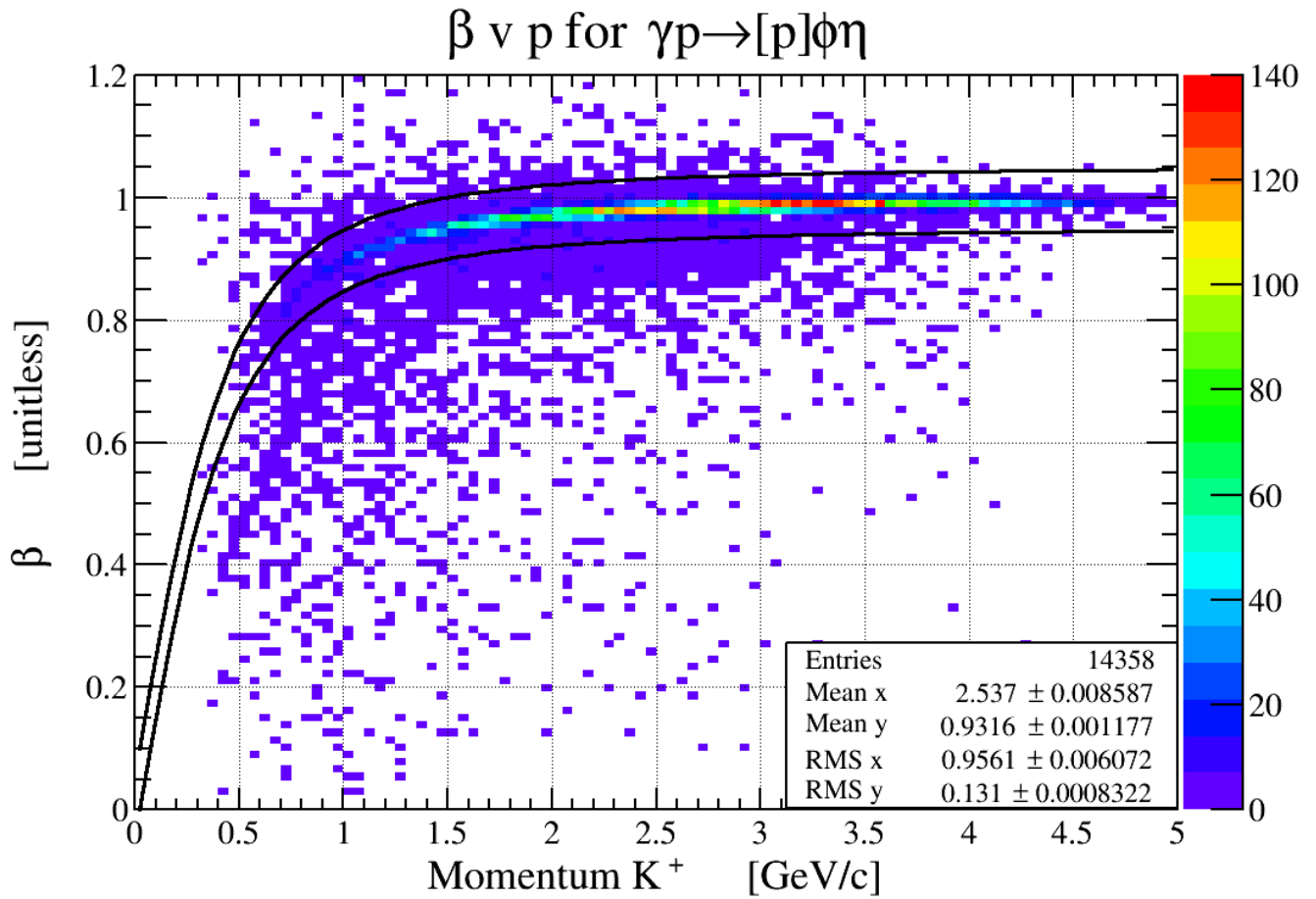


$\gamma p \rightarrow [p]\phi\eta$



dE/dX in CDC for $\gamma p \rightarrow [p]\phi\eta$





After these cuts:

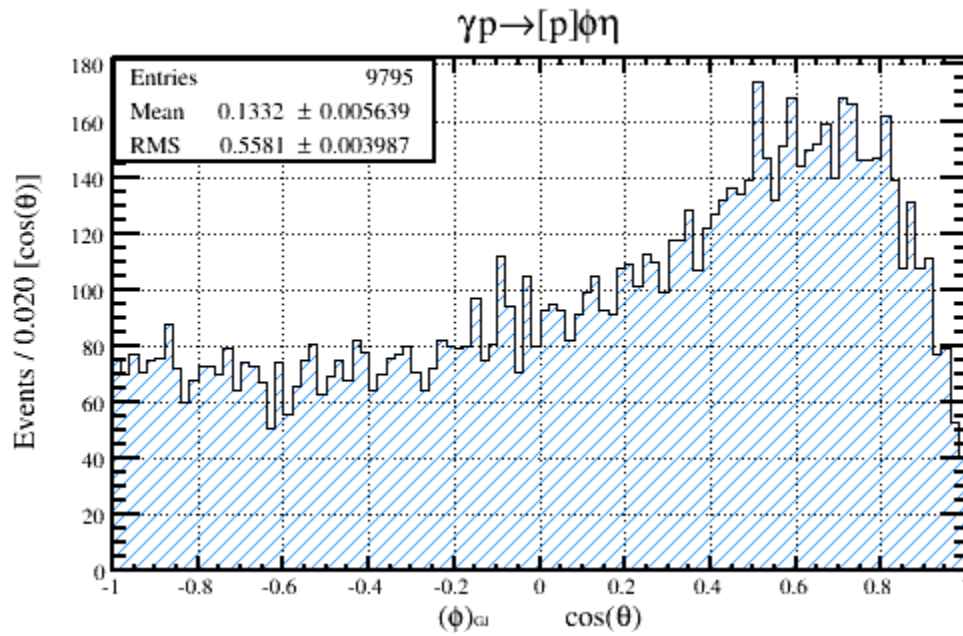
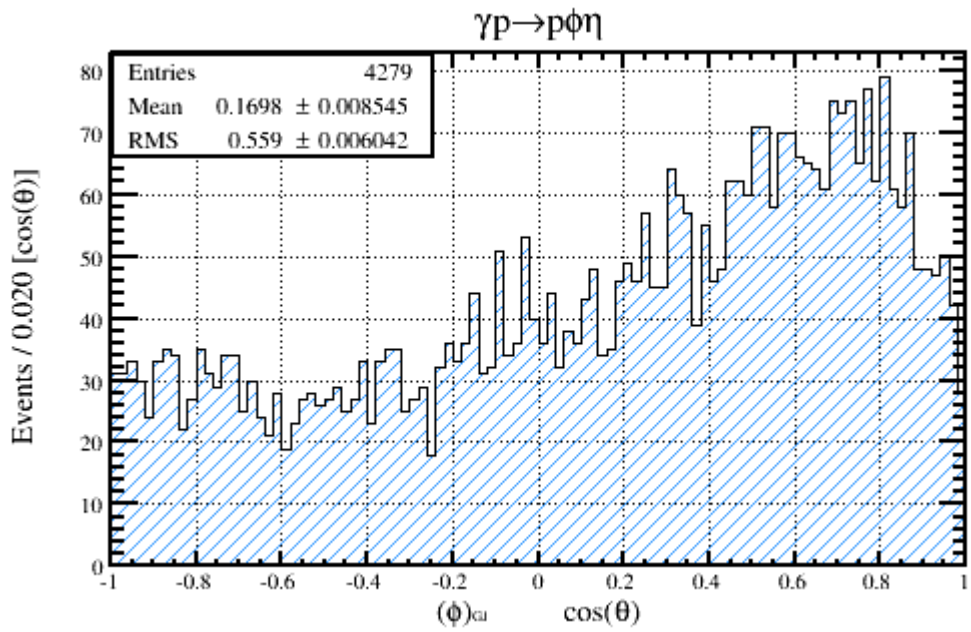
Events: 9224

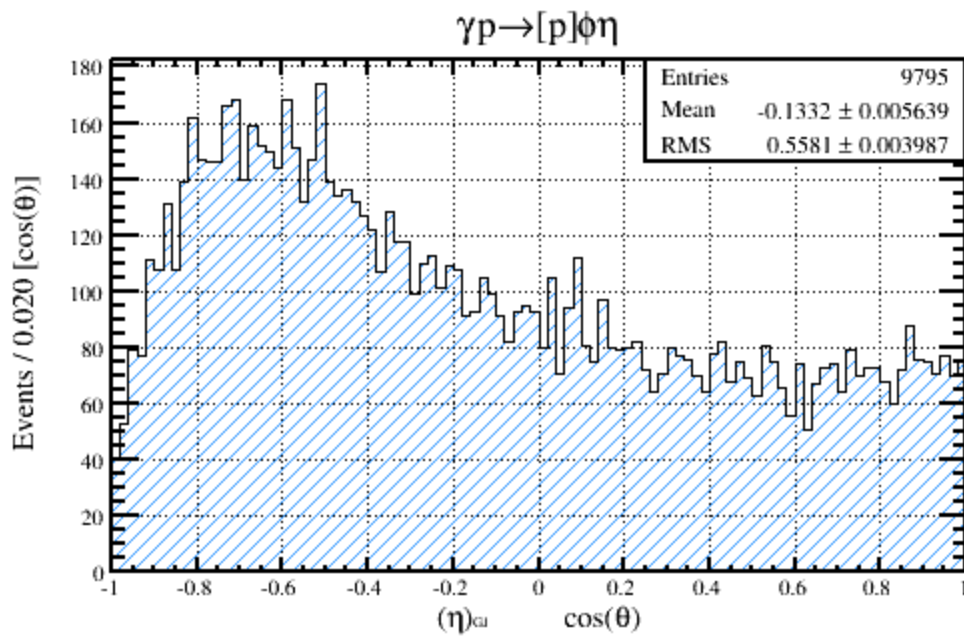
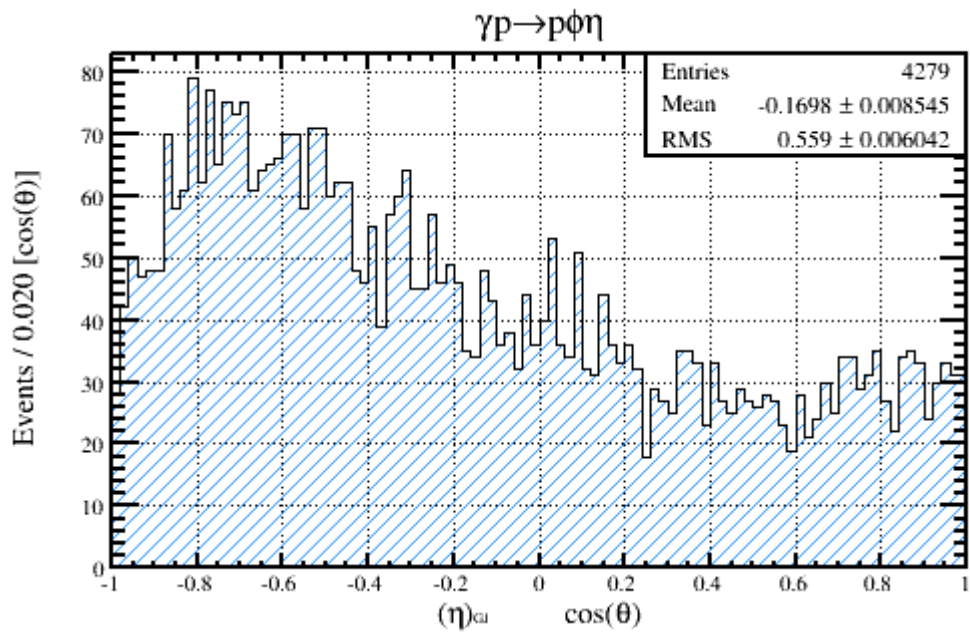
Events + Combinations: 9795

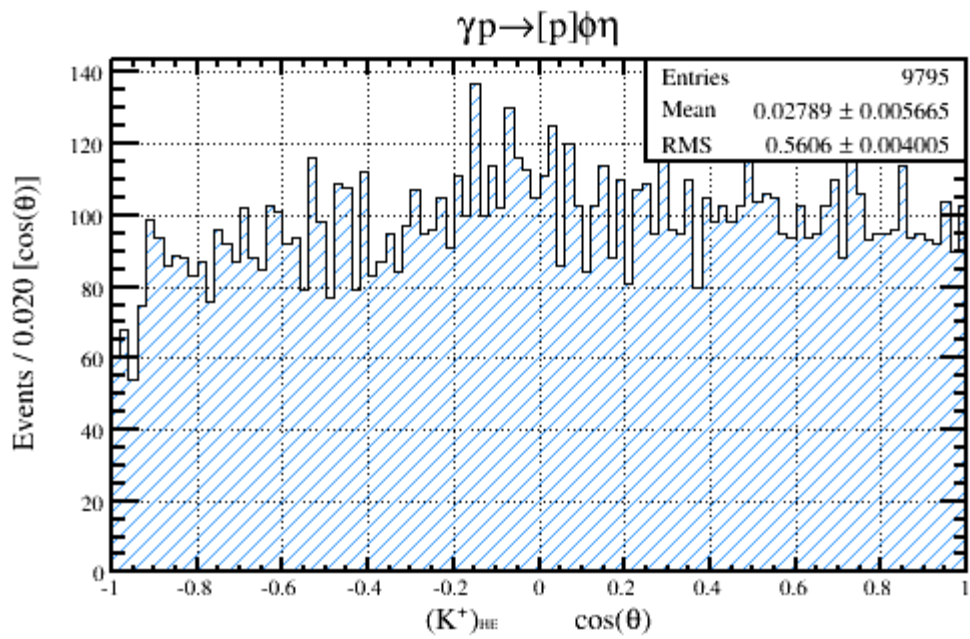
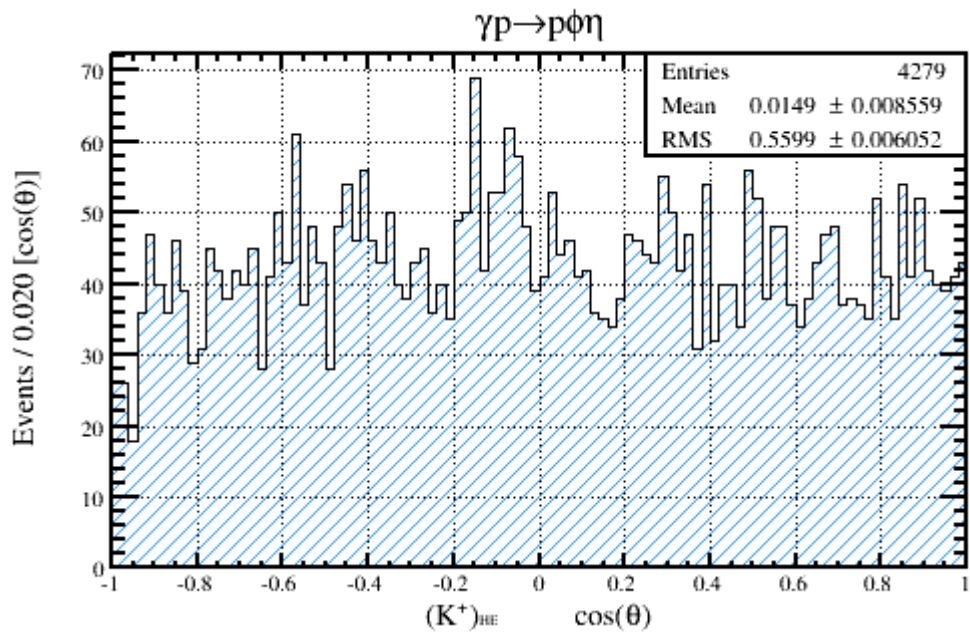
Extra Combinations: 571 Events ~ 6%

Total Acceptance after Combo Cut: ~9%

Some things I do not understand:







Mass X Acceptance Plots:

