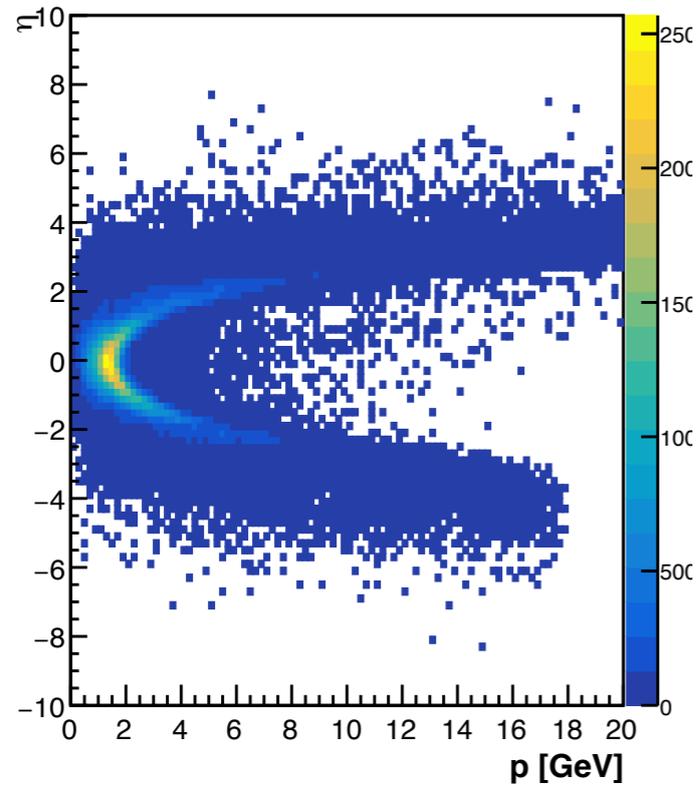
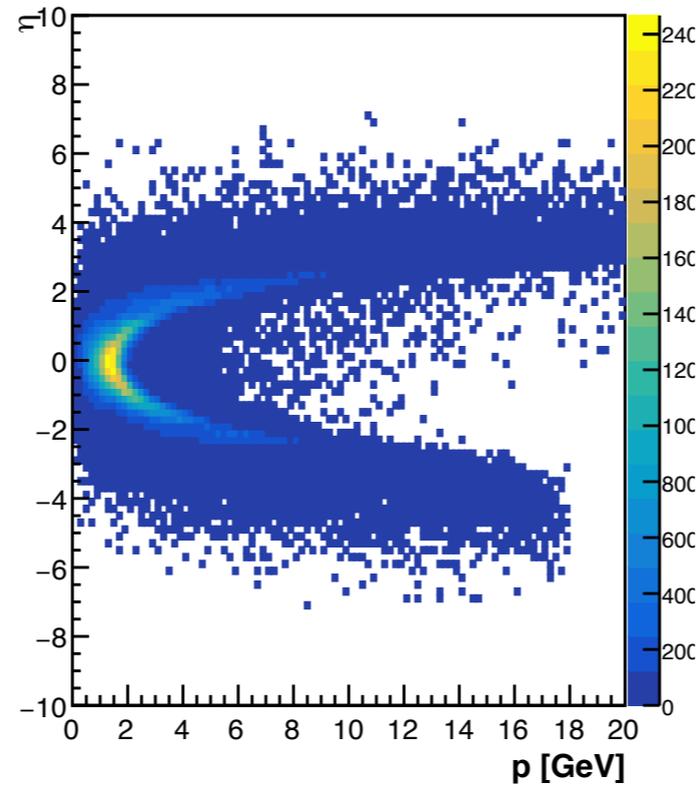


$$J/\psi \rightarrow e^+ e^-$$

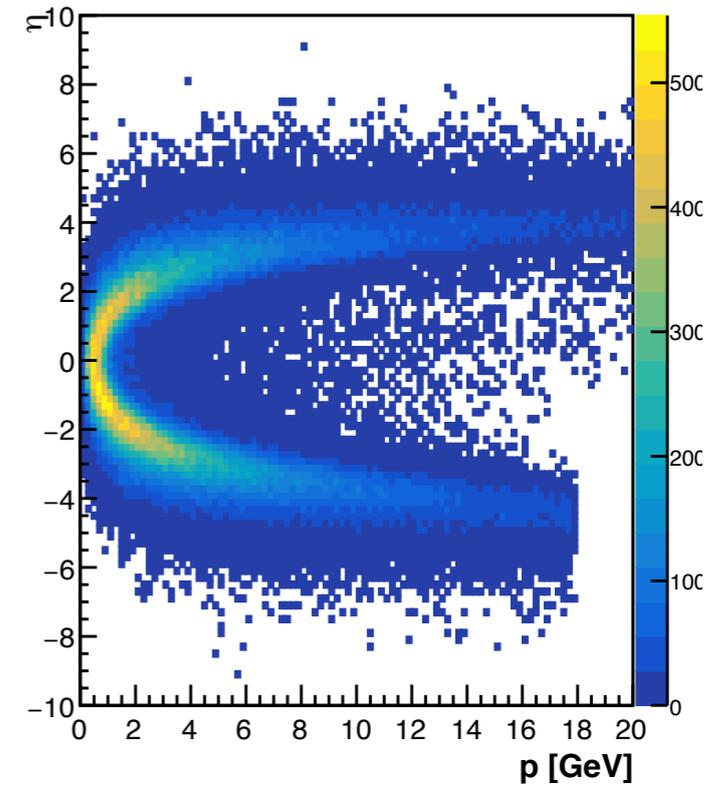
e^- from (J/ψ)



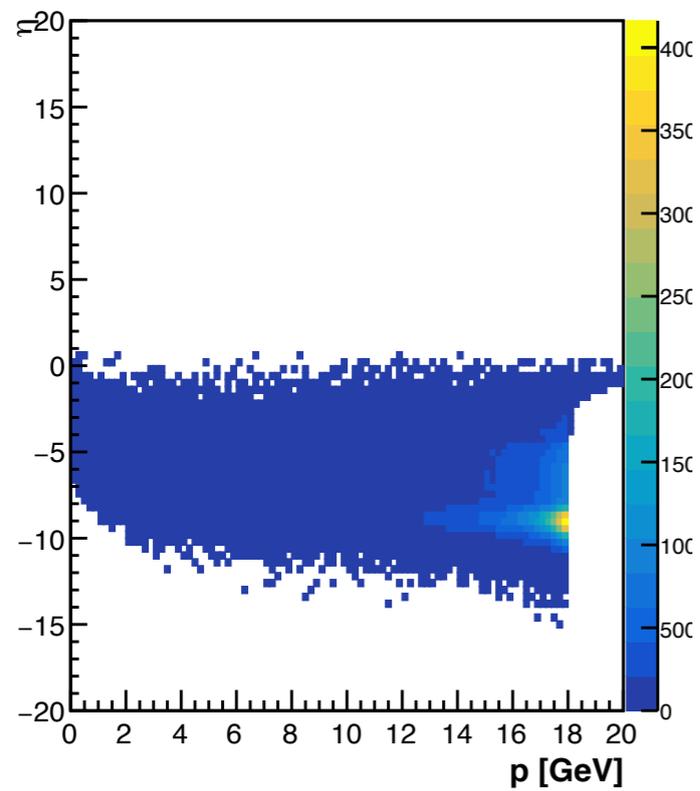
e^+ from (J/ψ)



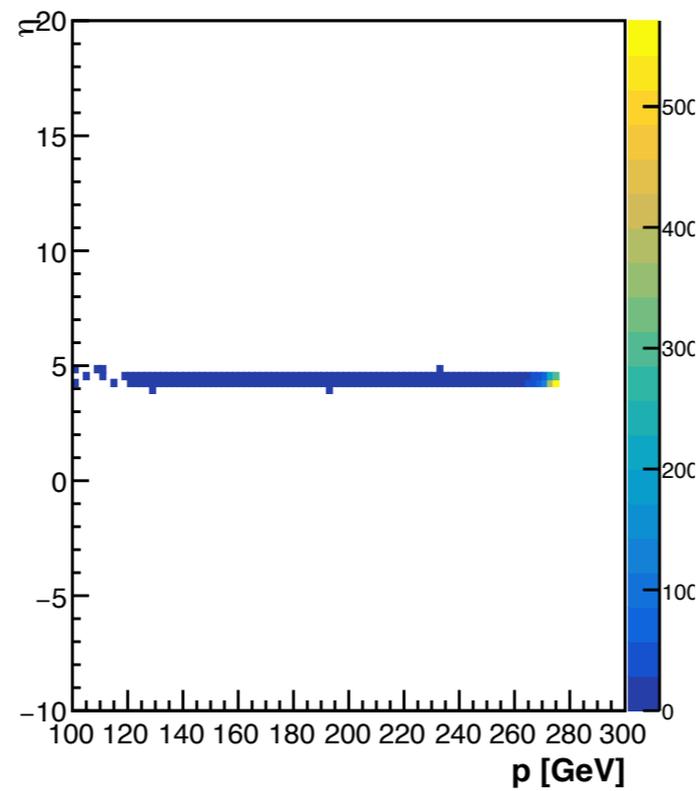
J/ψ



Electron



Proton



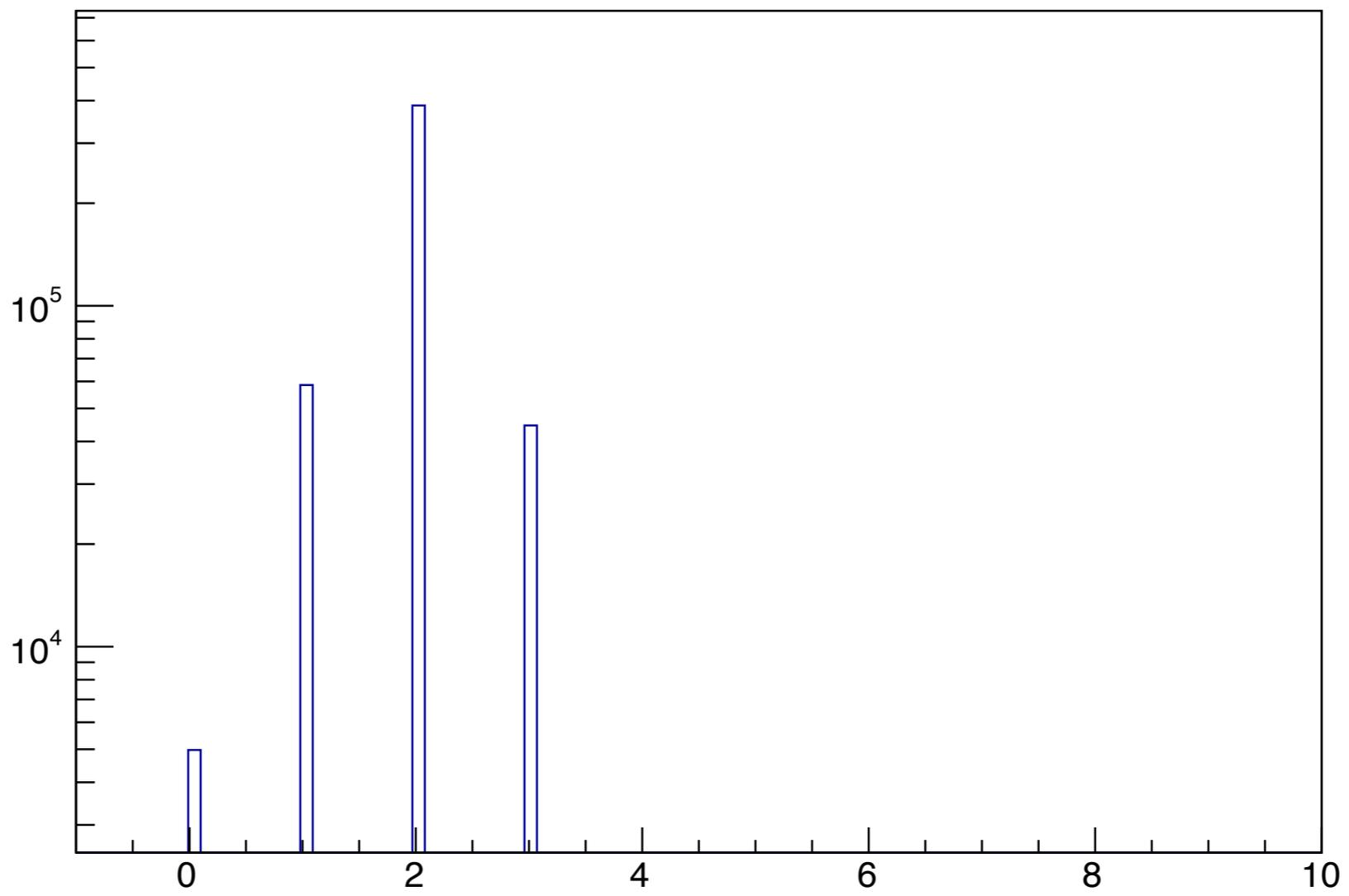
$$E_e = 18 GeV$$

$$E_p = 275 GeV$$

Truth information

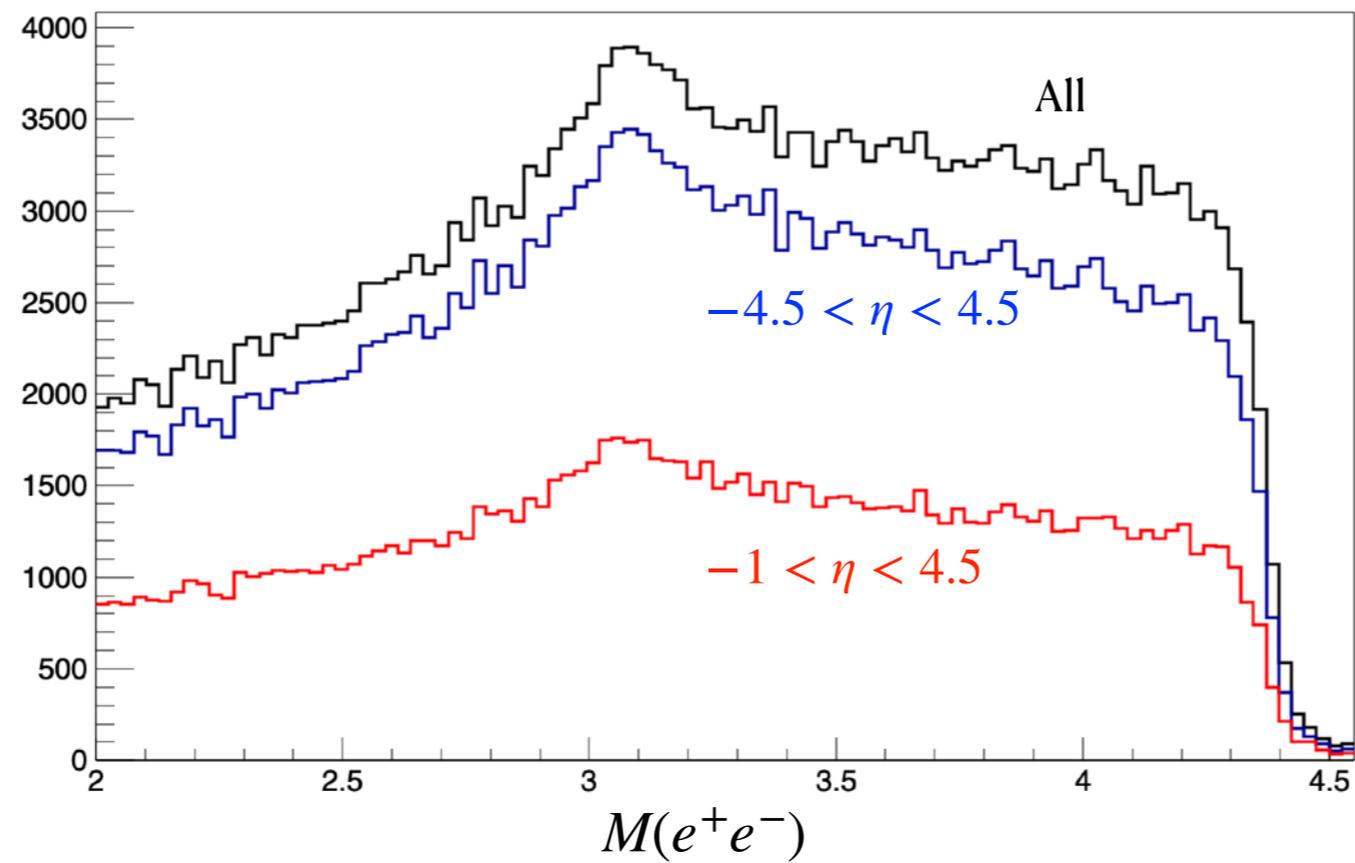
Tracking information:

nTracks



Only using the tracking information

2 tracks

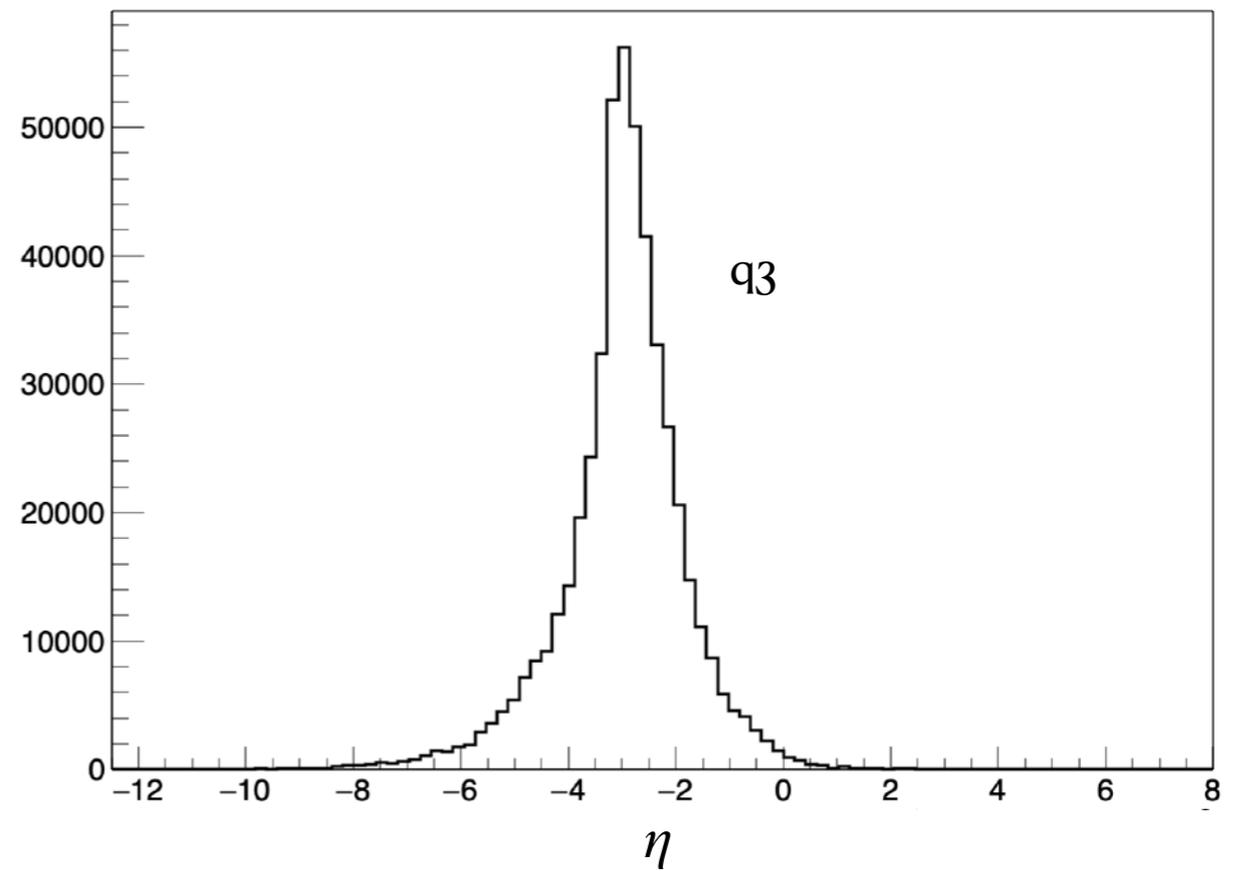
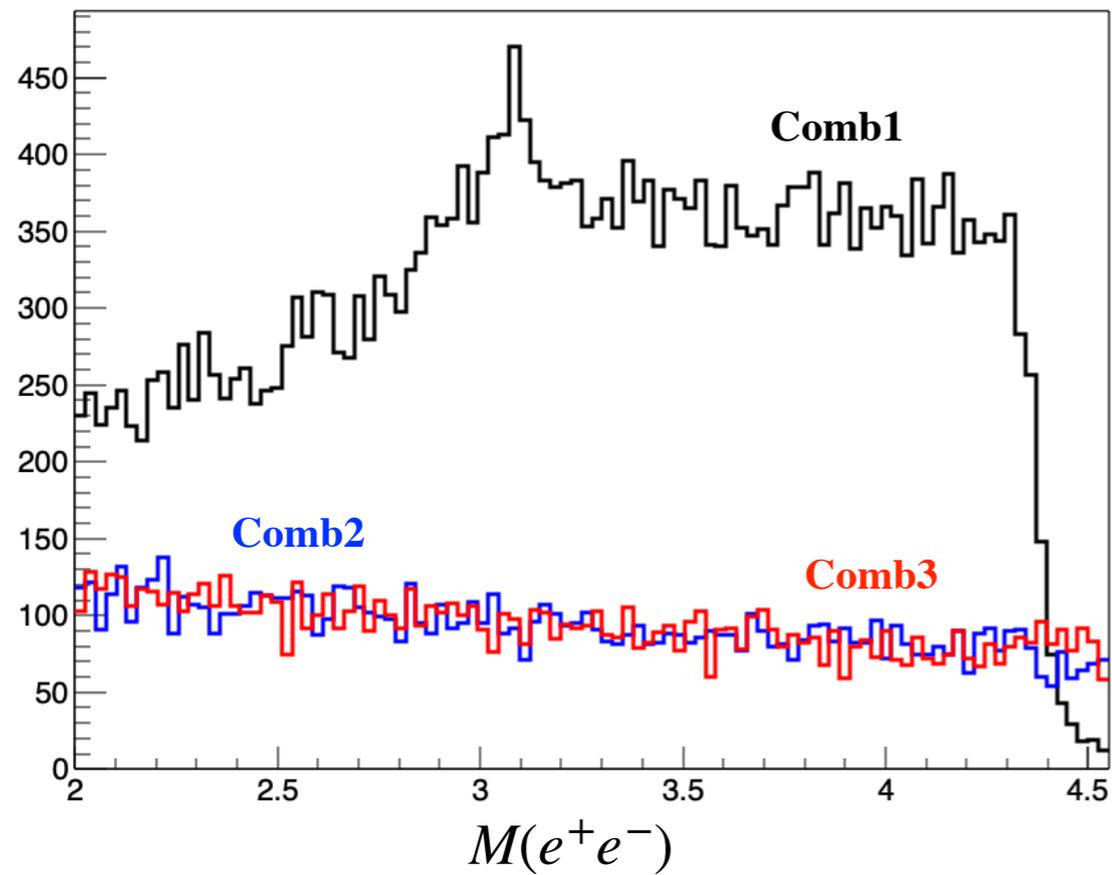


Eta requirements for both particles

Only using the tracking information

3 tracks

q1, q2, q3



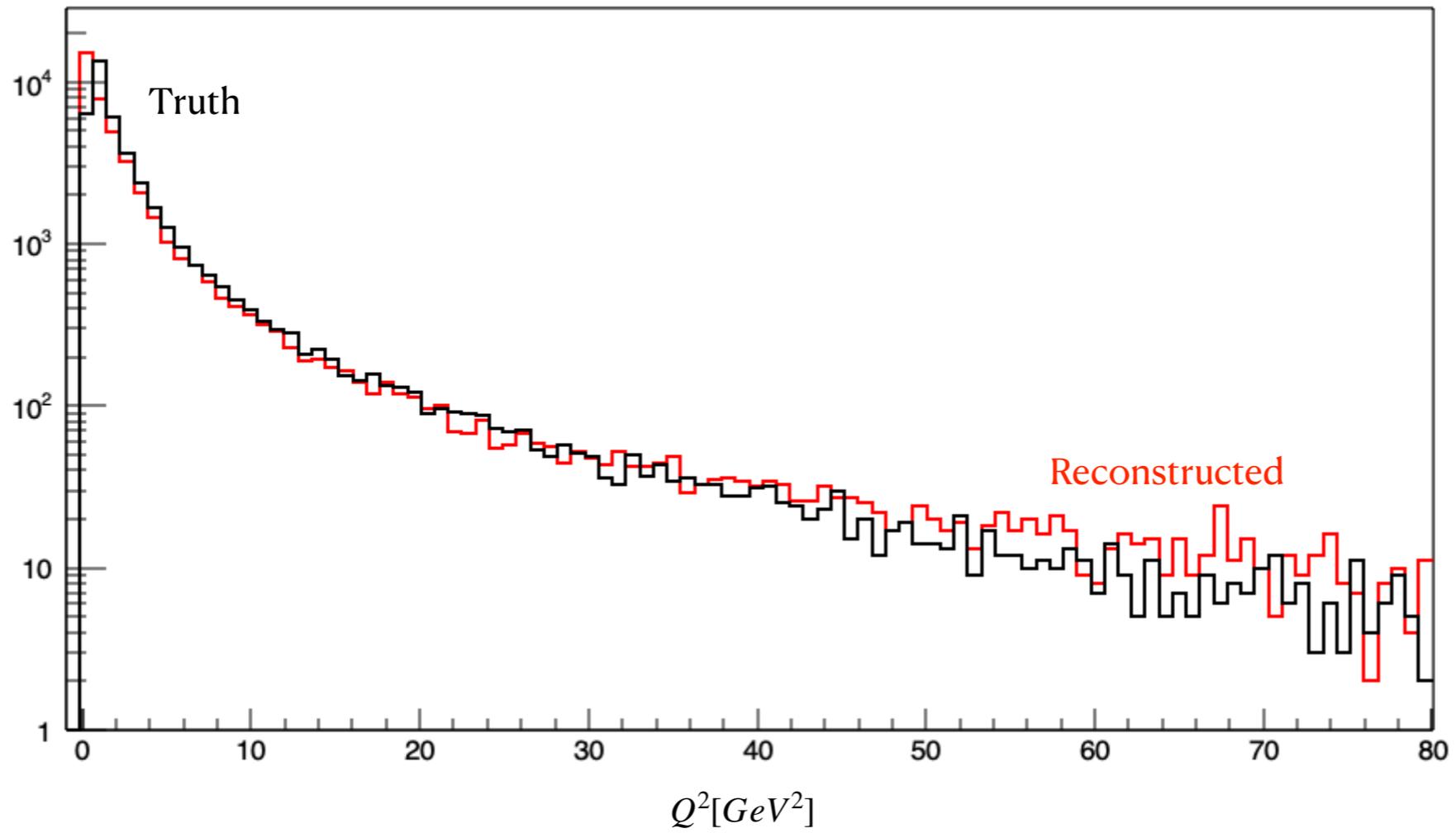
Comb1 = q1 + q2

Comb2 = q1 + q3

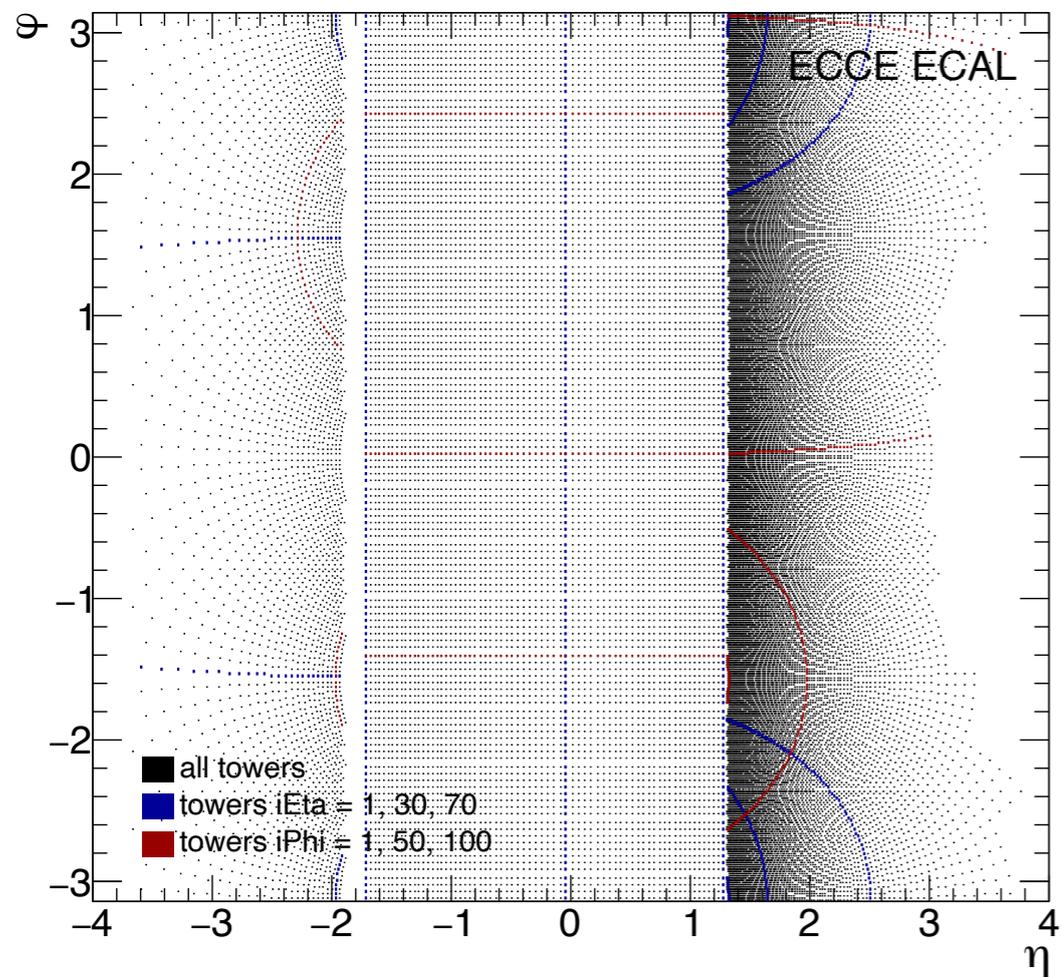
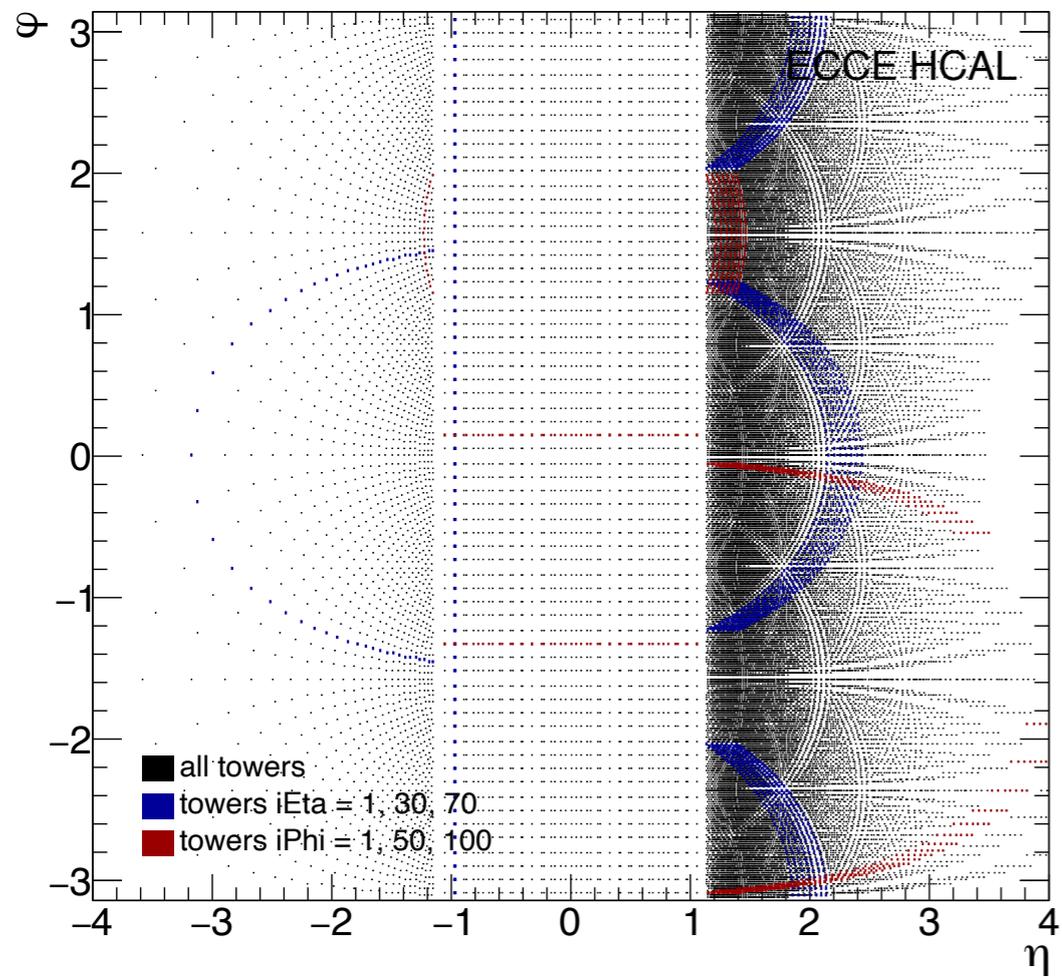
Comb3 = q2 + q3

3 tracks

$$\text{Comb1} = q1 + q2$$



Only with electrons information



cluster_FHCAL_Eta {nTracks==3 && cluster_FHCAL_E>5}

