

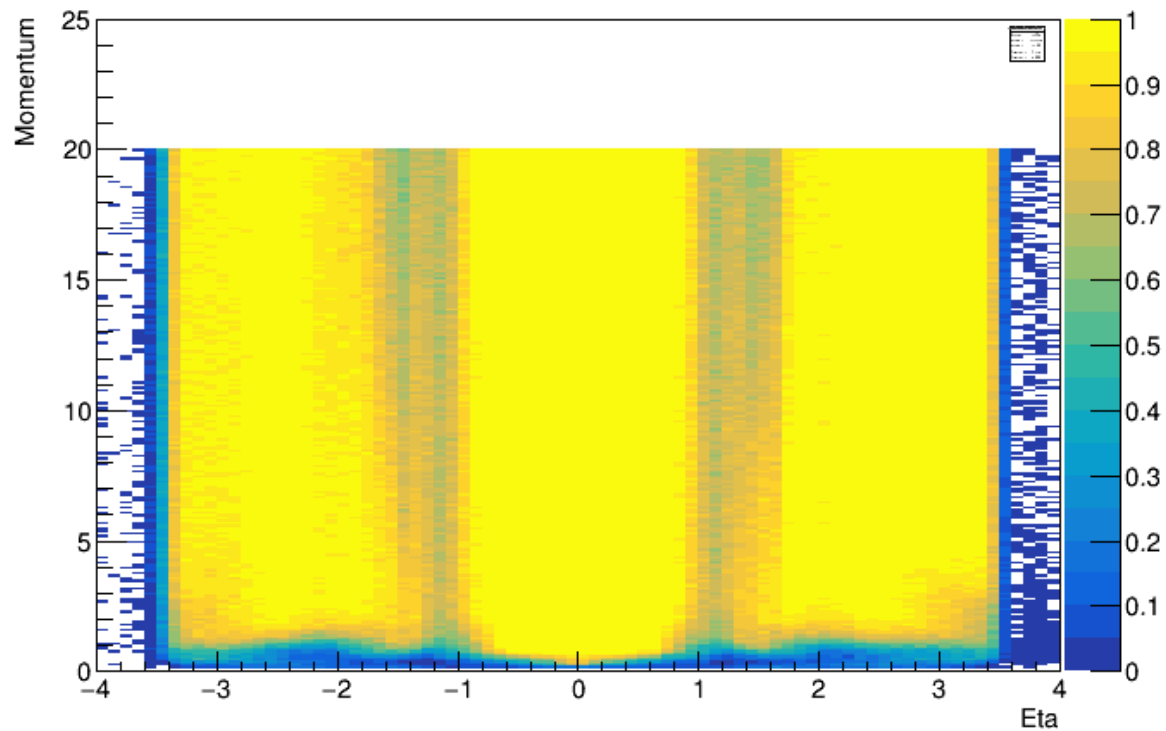
Track Efficiency and Jets: First Look

Brian Page

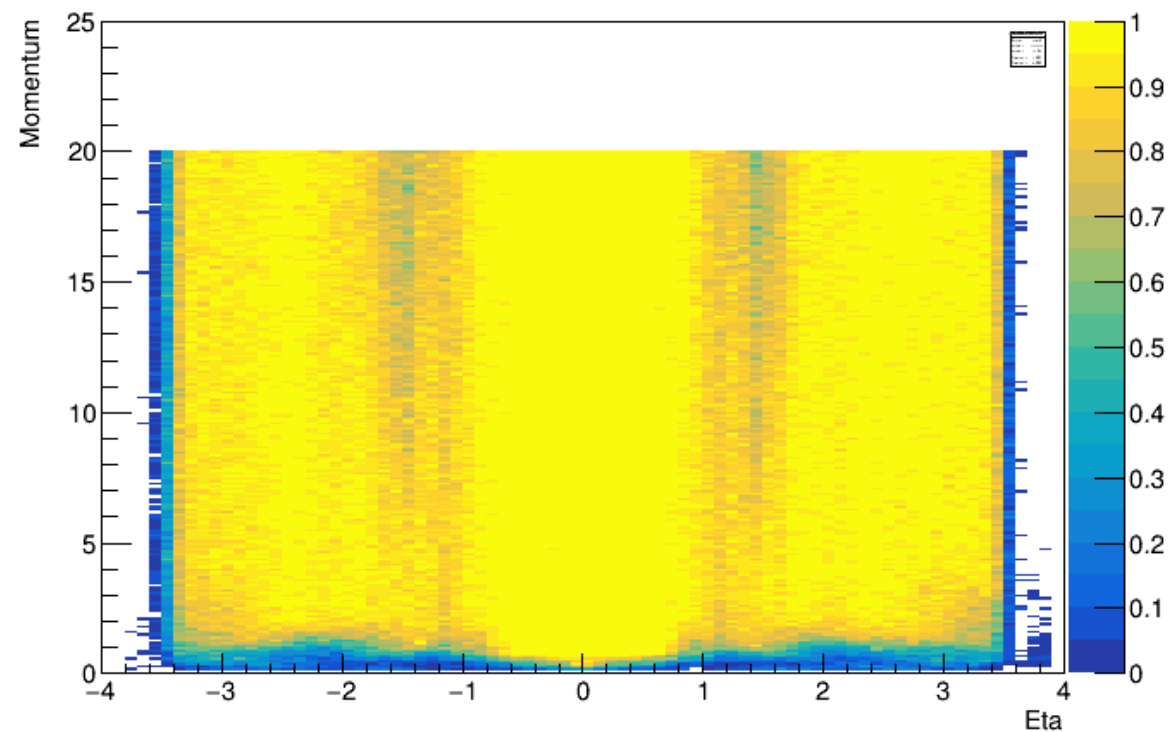
8/15/2022

Single Particle Efficiencies

Single Electron Efficiency Map

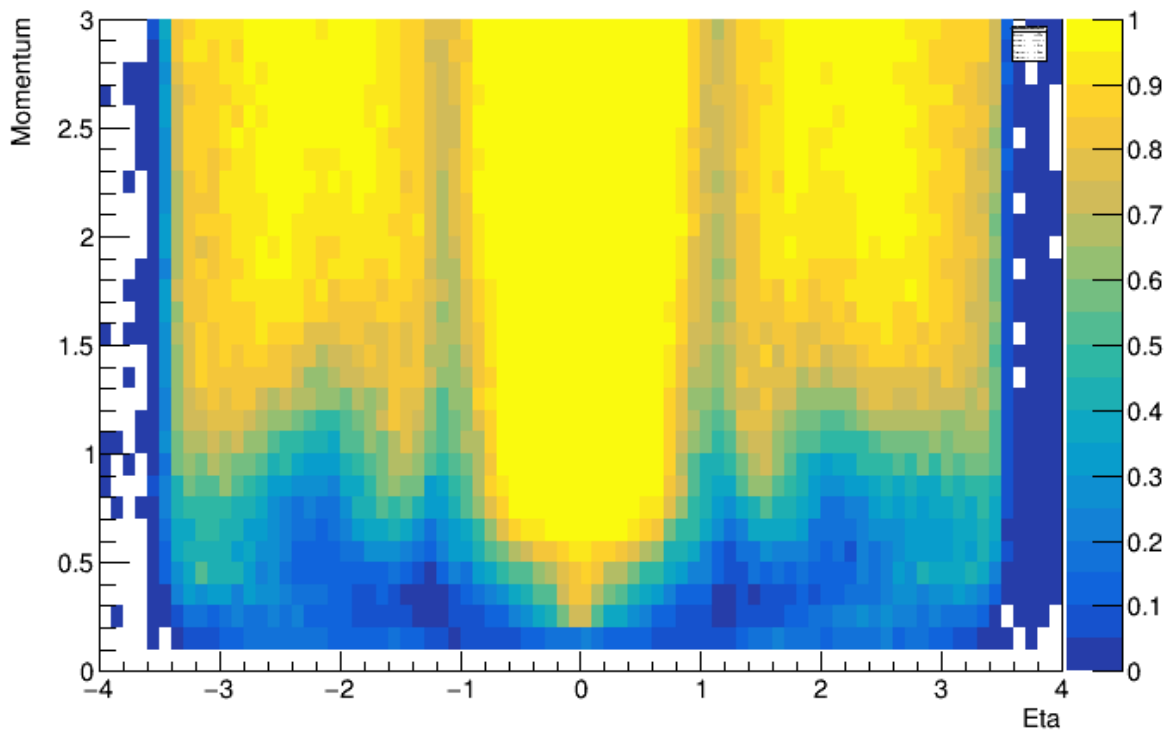


Single Pion Efficiency Map

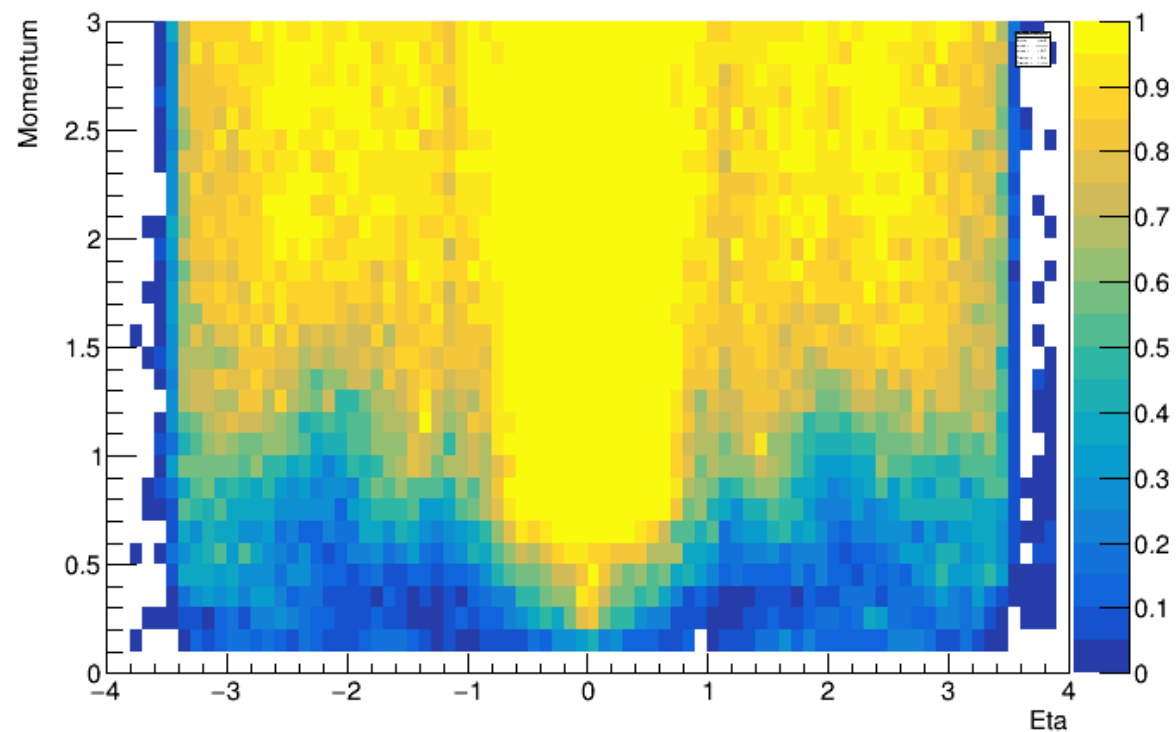


Single Particle Efficiencies

Single Electron Efficiency Map

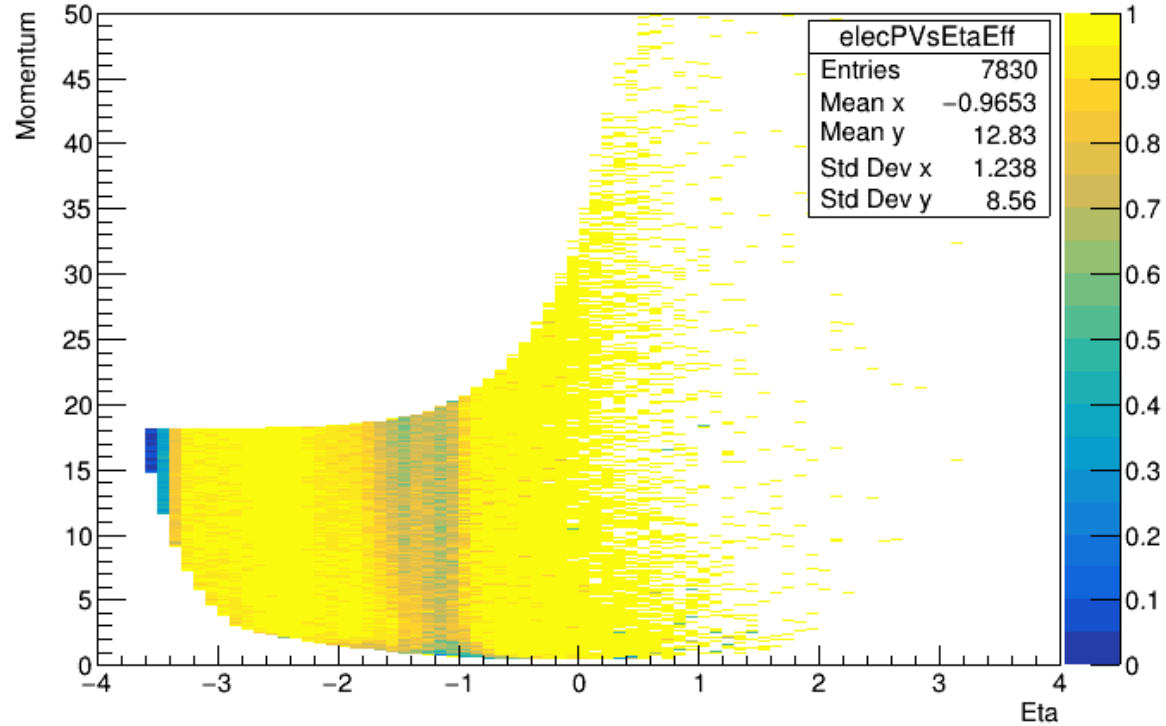


Single Pion Efficiency Map

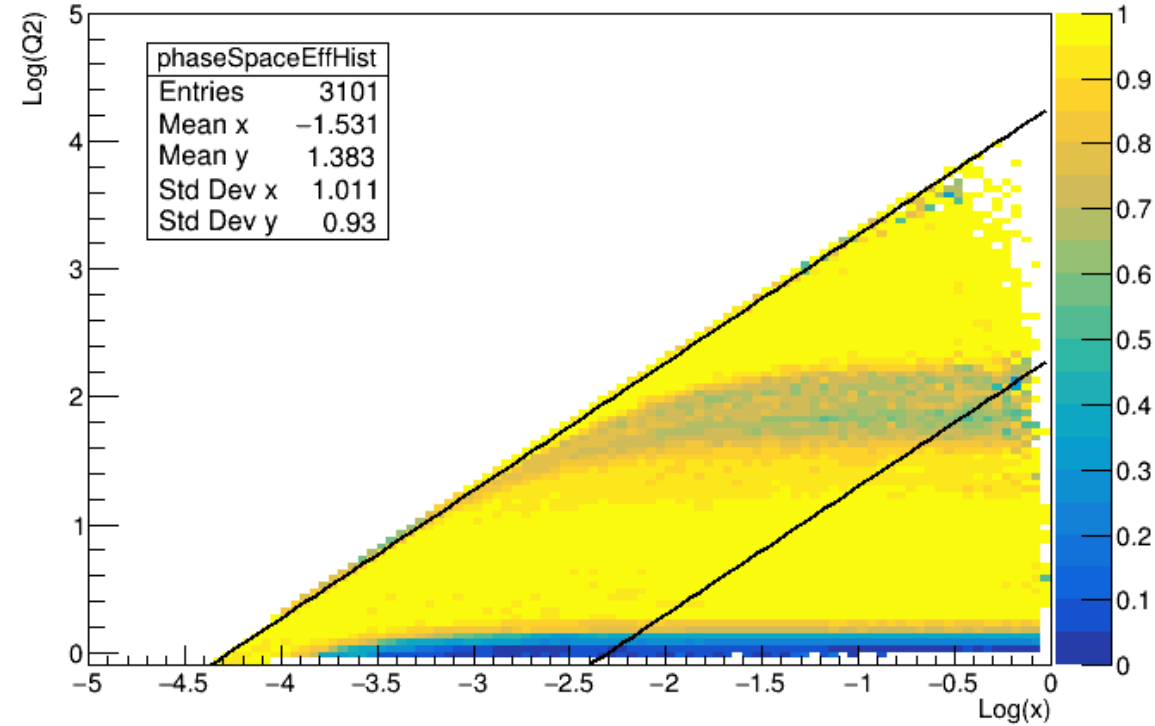


Electron Efficiency and Phase Space Impact

Electron Efficiency: MinQ2=1: 18x275

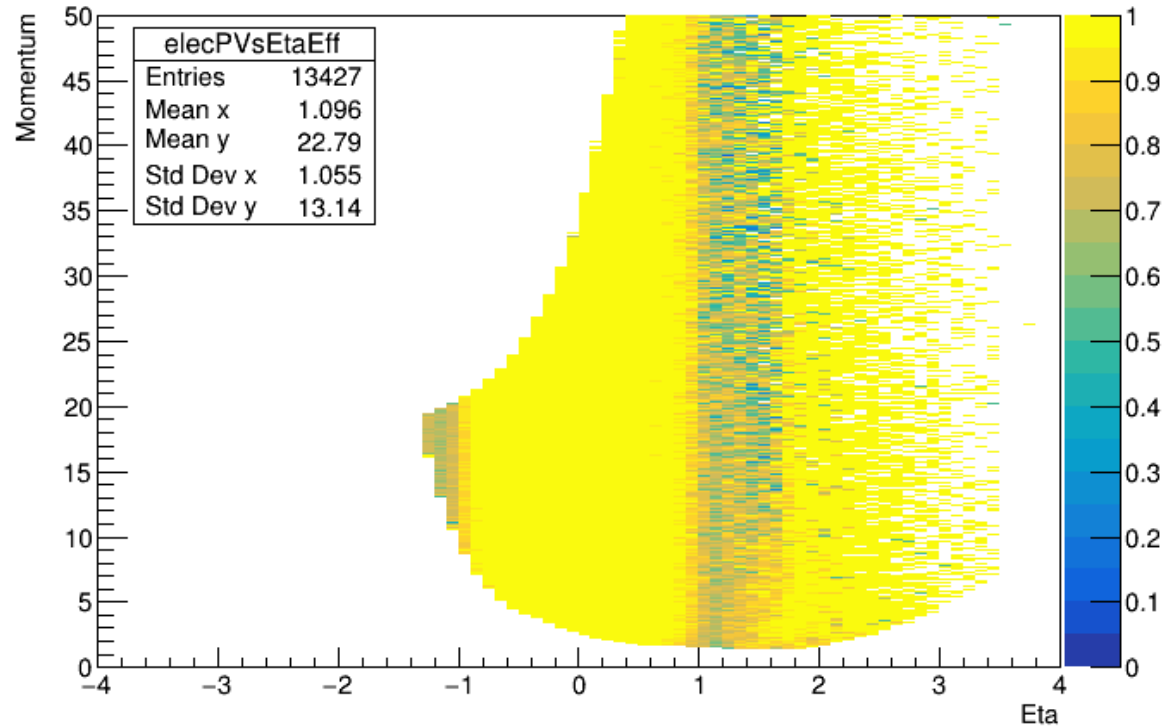


X-Q2 Efficiency

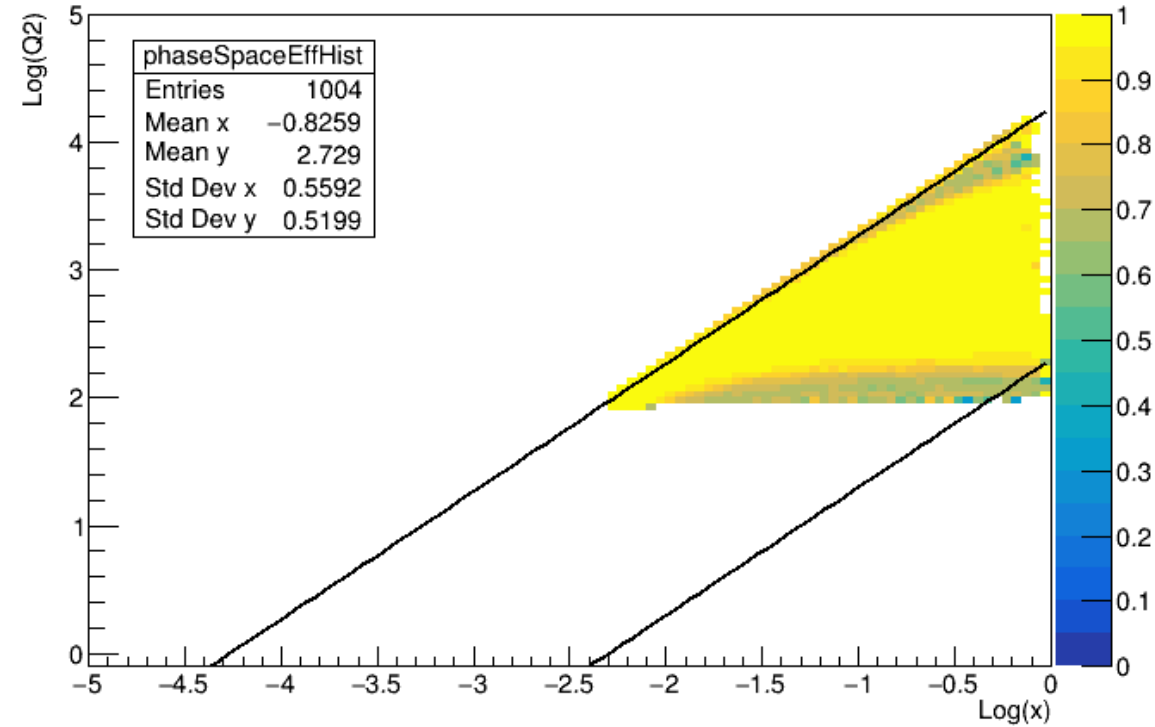


Electron Efficiency and Phase Space Impact (High Q2)

Electron Efficiency: MinQ2=100: 18x275

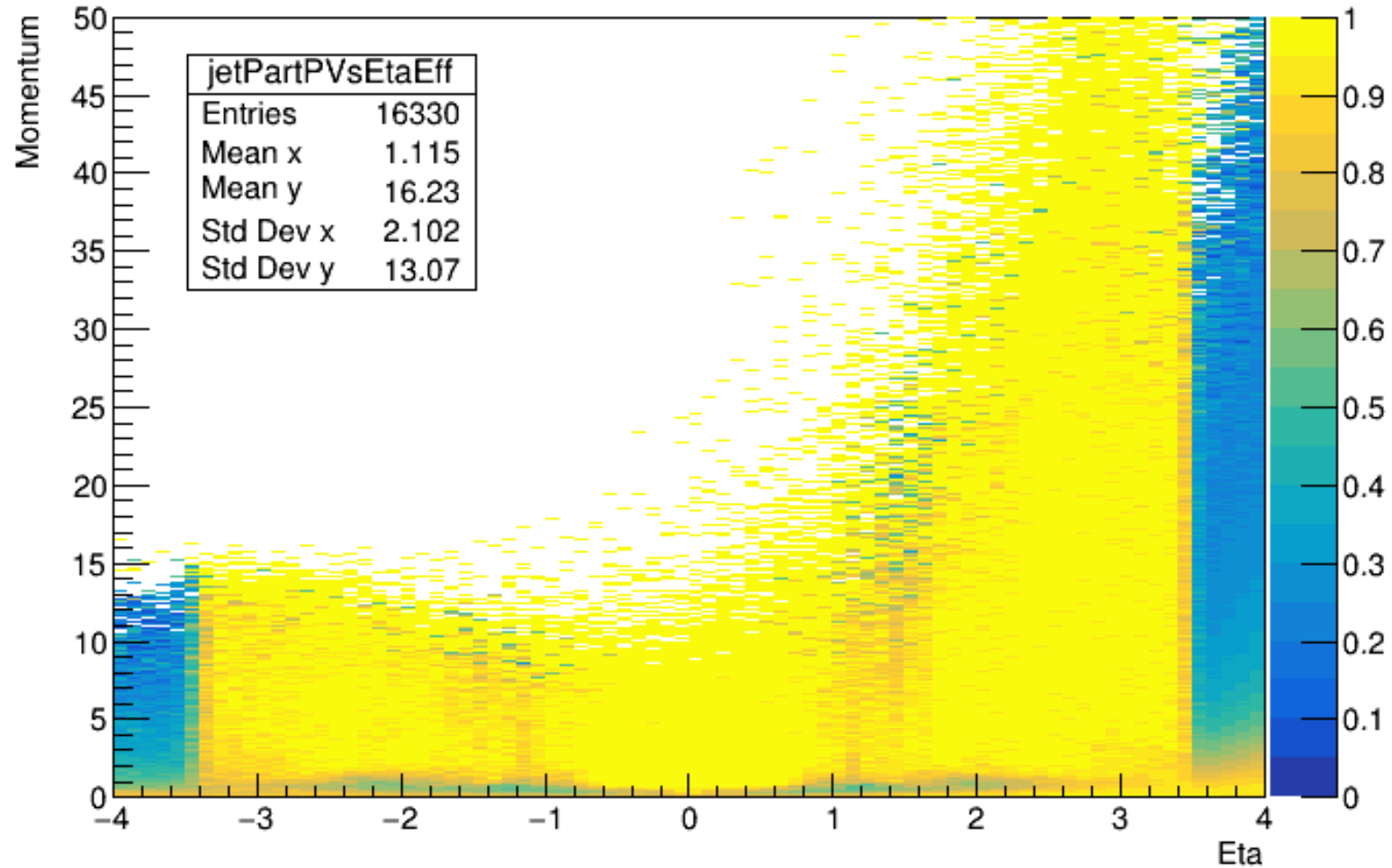


X-Q2 Efficiency



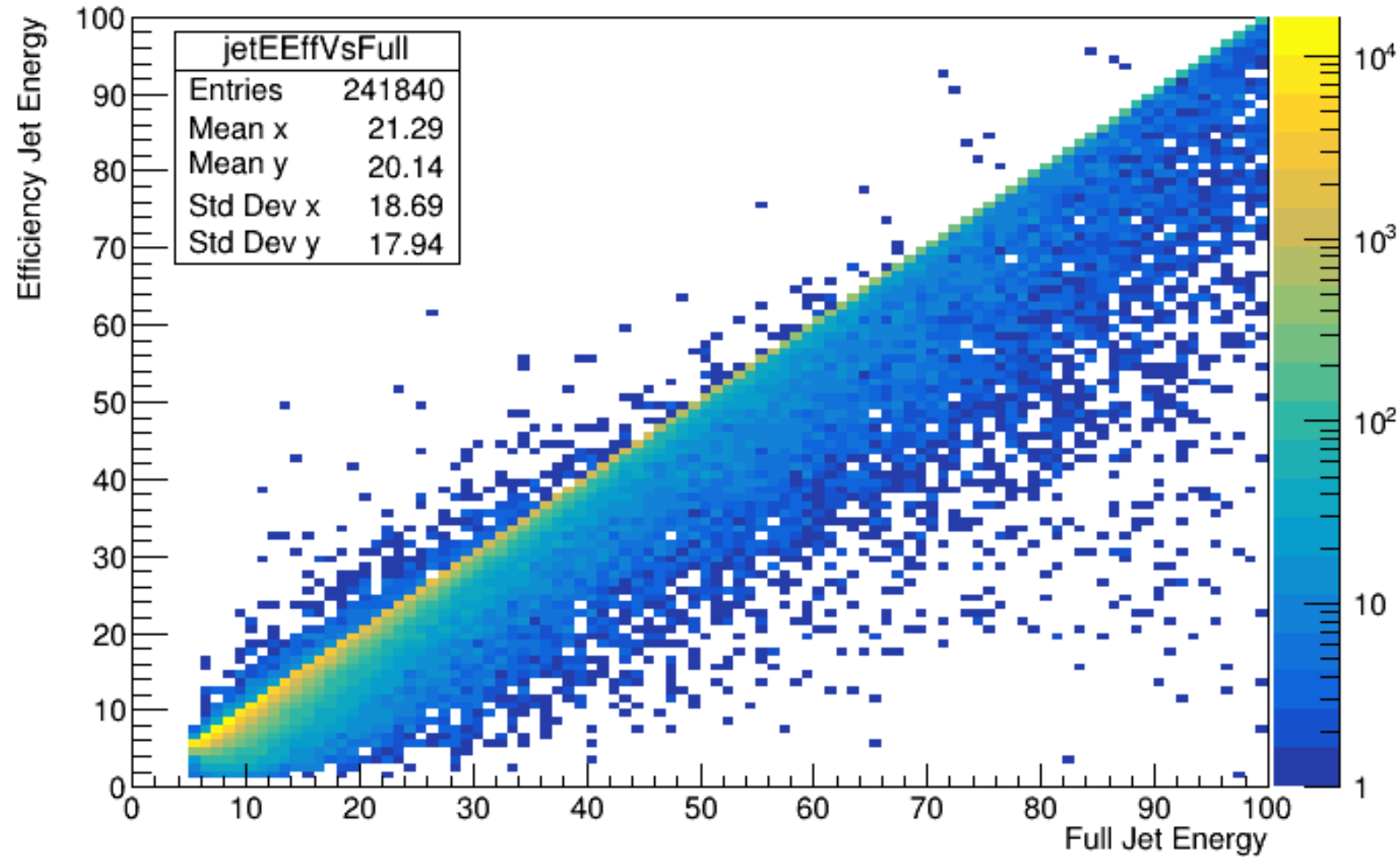
Jet Particle Efficiency

Jet Particle Efficiency



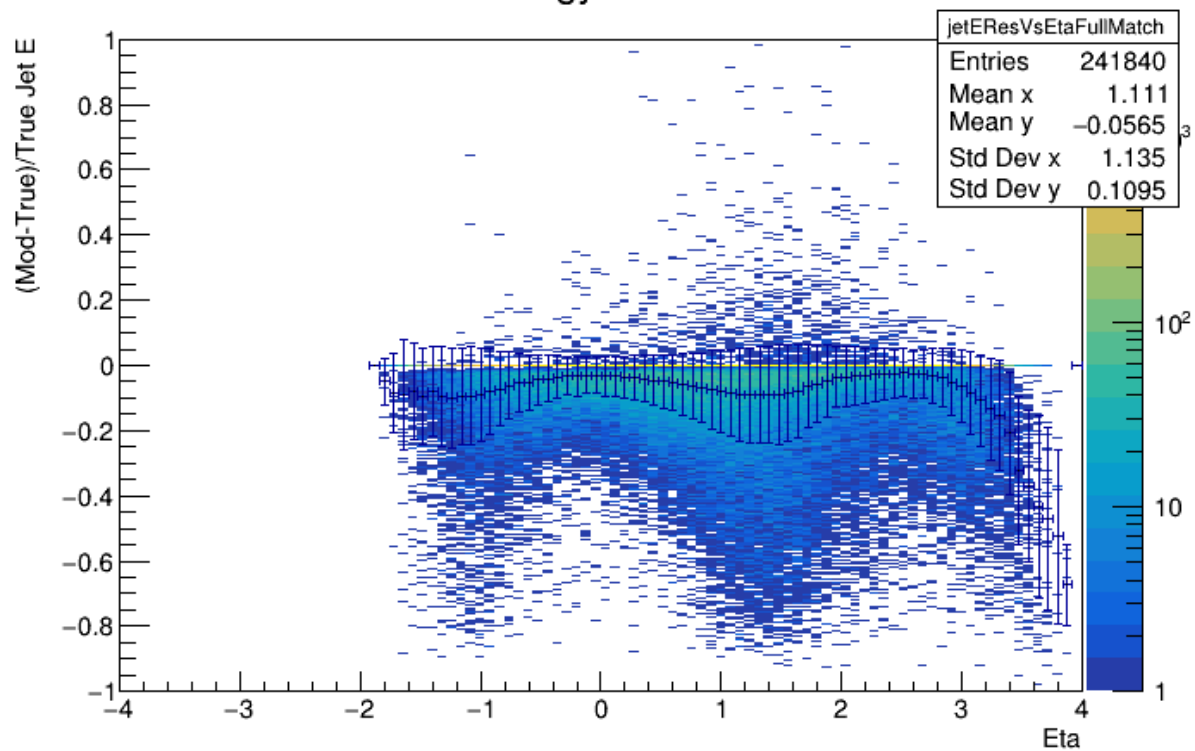
Impact of Efficiency Cuts on Jets

Jet Energy: Efficiency Vs Full



Impact of Efficiency Cuts on Jets

Jet Energy Resolution



Jet Energy Resolution ($E > 15$)

