

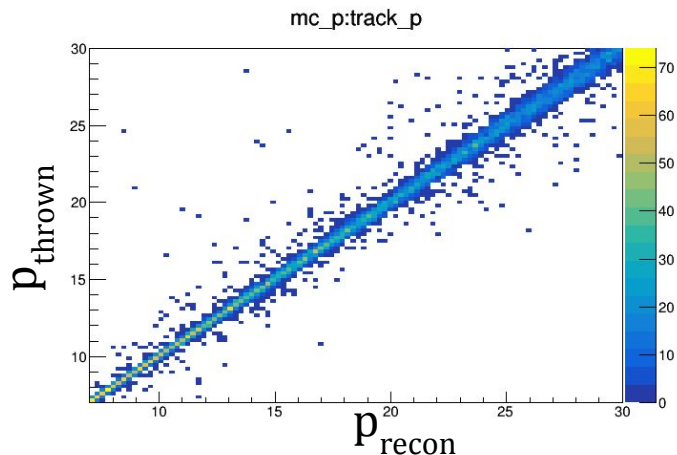
# Early look at $\mu^-$ (and $\pi^-$ ) plots related to $\mu^-$ identification

EW&BSM Update 11/22/2023

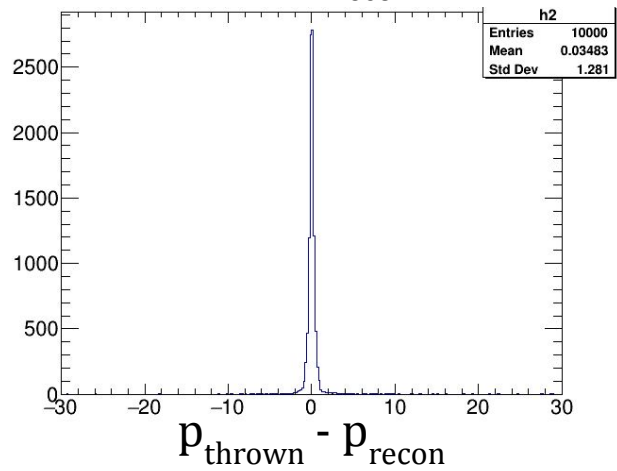
Andrew Hurley  
UMass Amherst

# Momentum resolution

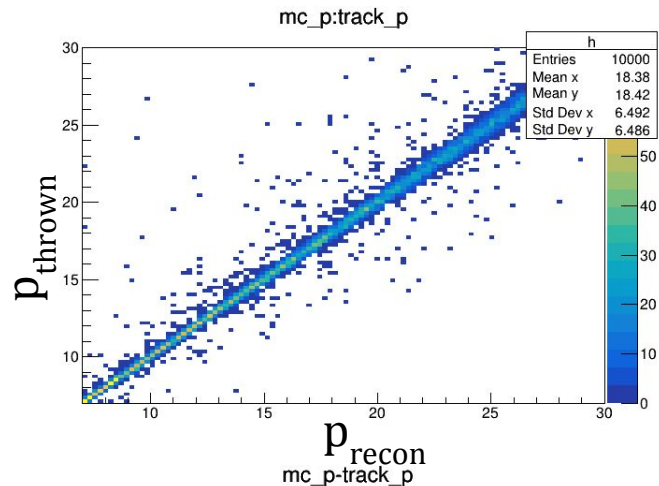
$\mu^-$



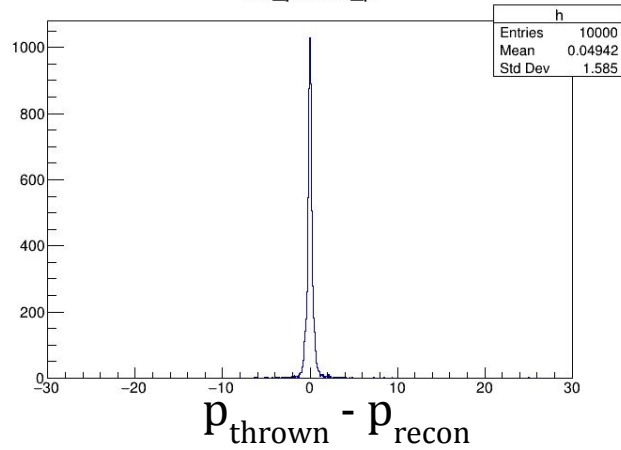
$\mu^-$



$\pi^-$

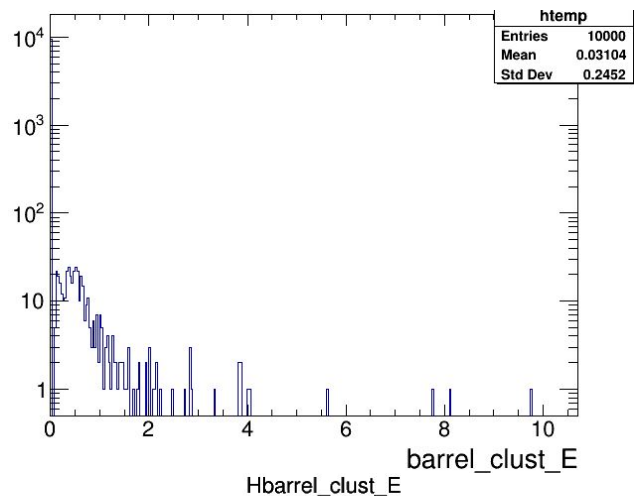


$\pi^-$

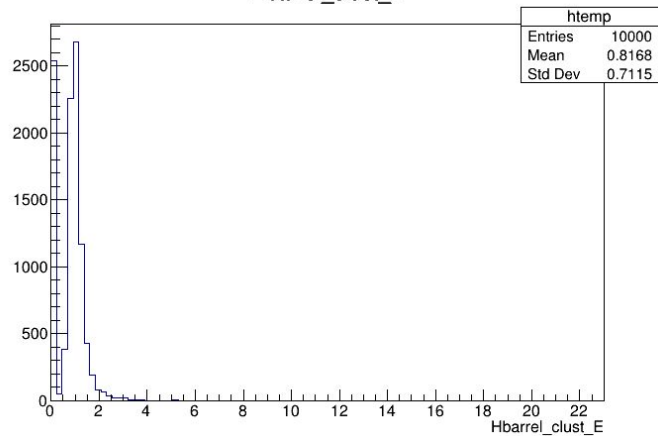


# Barrel Calorimetry

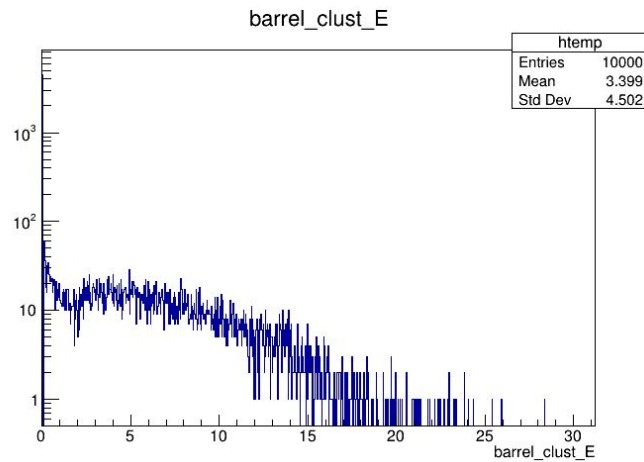
$\mu^-$



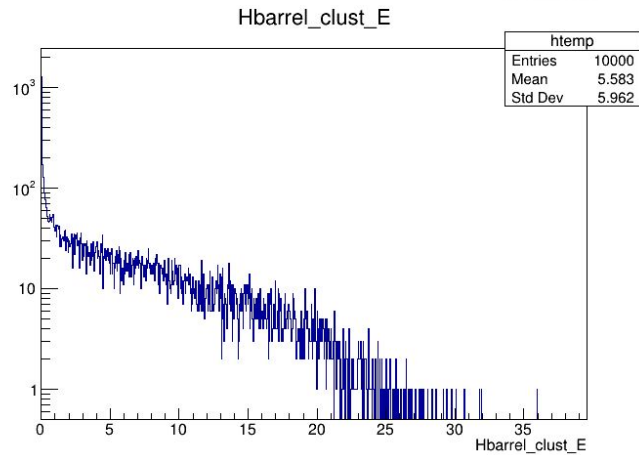
$\mu^-$



$\pi^-$

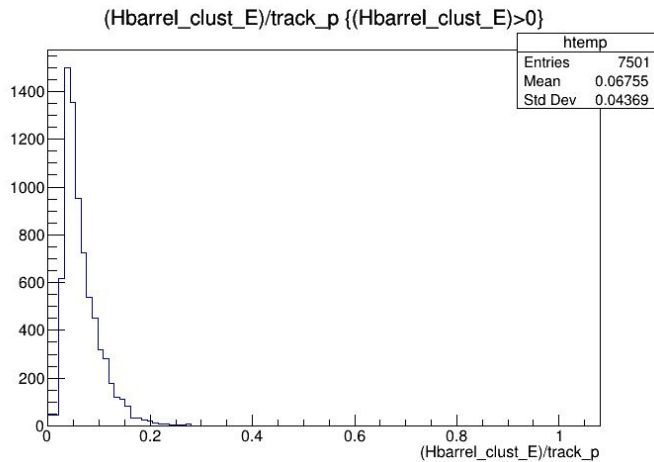


$\pi^-$

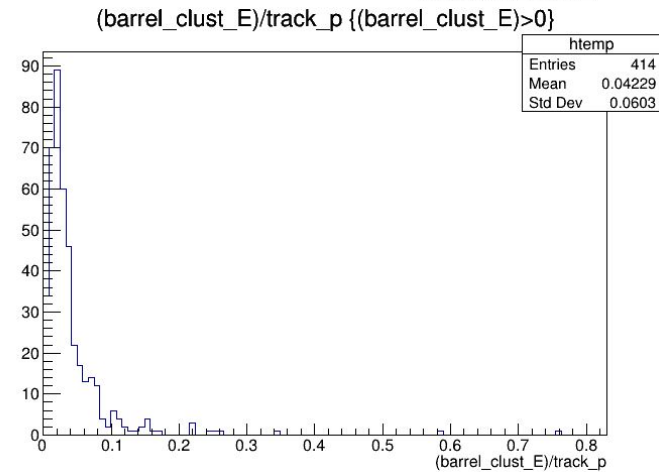


# Barrel Calorimeter / track momentum

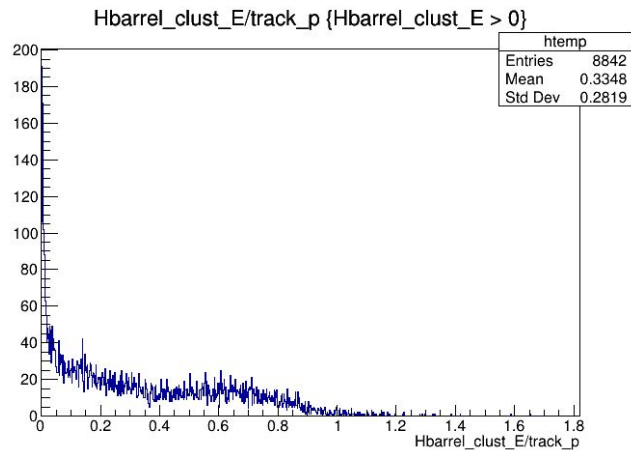
$\mu^-$



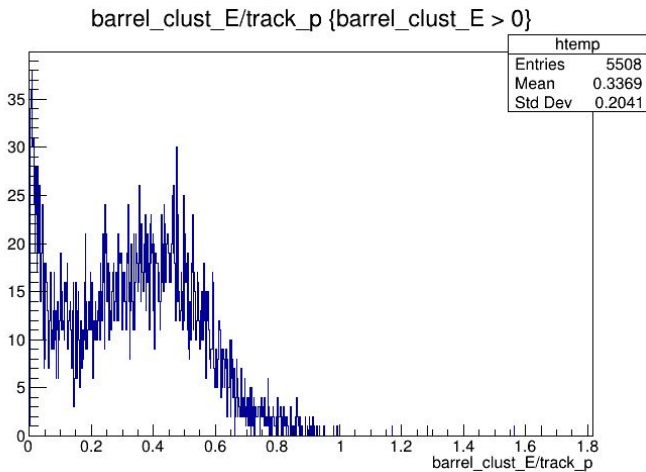
$\mu^-$



$\pi^-$

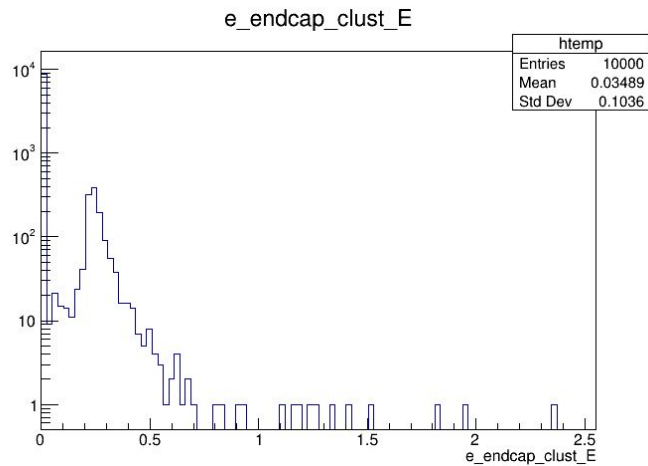


$\pi^-$

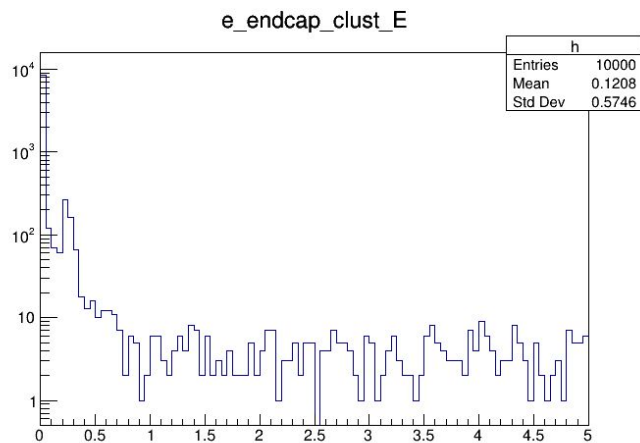


# Ecal endcap calorimetry & $E_{\text{cal}}/p_{\text{recon}}$

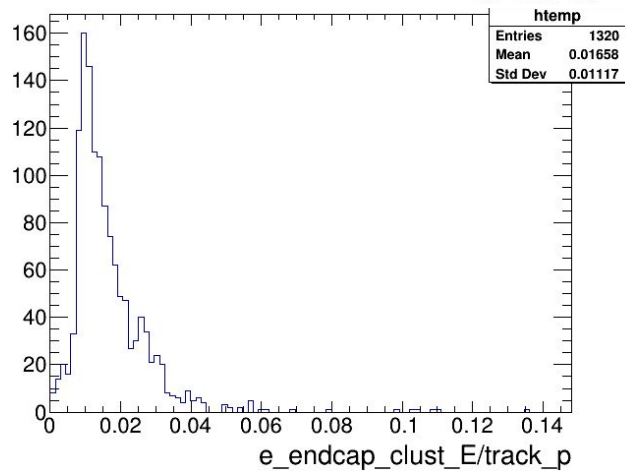
$\mu^-$



$\pi^-$



$\mu^-$



$\pi^-$

