

On-line (pre-)selection Requisites for:

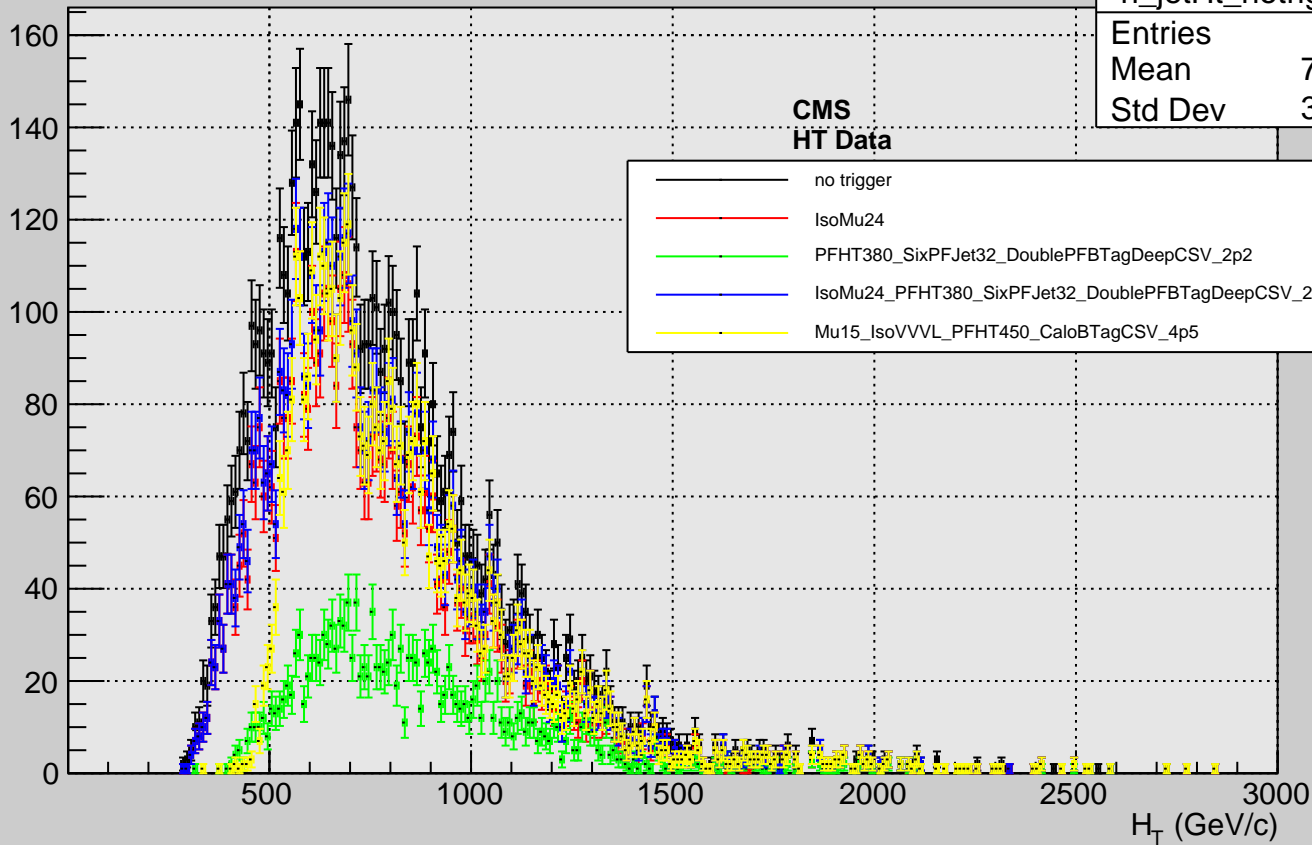
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

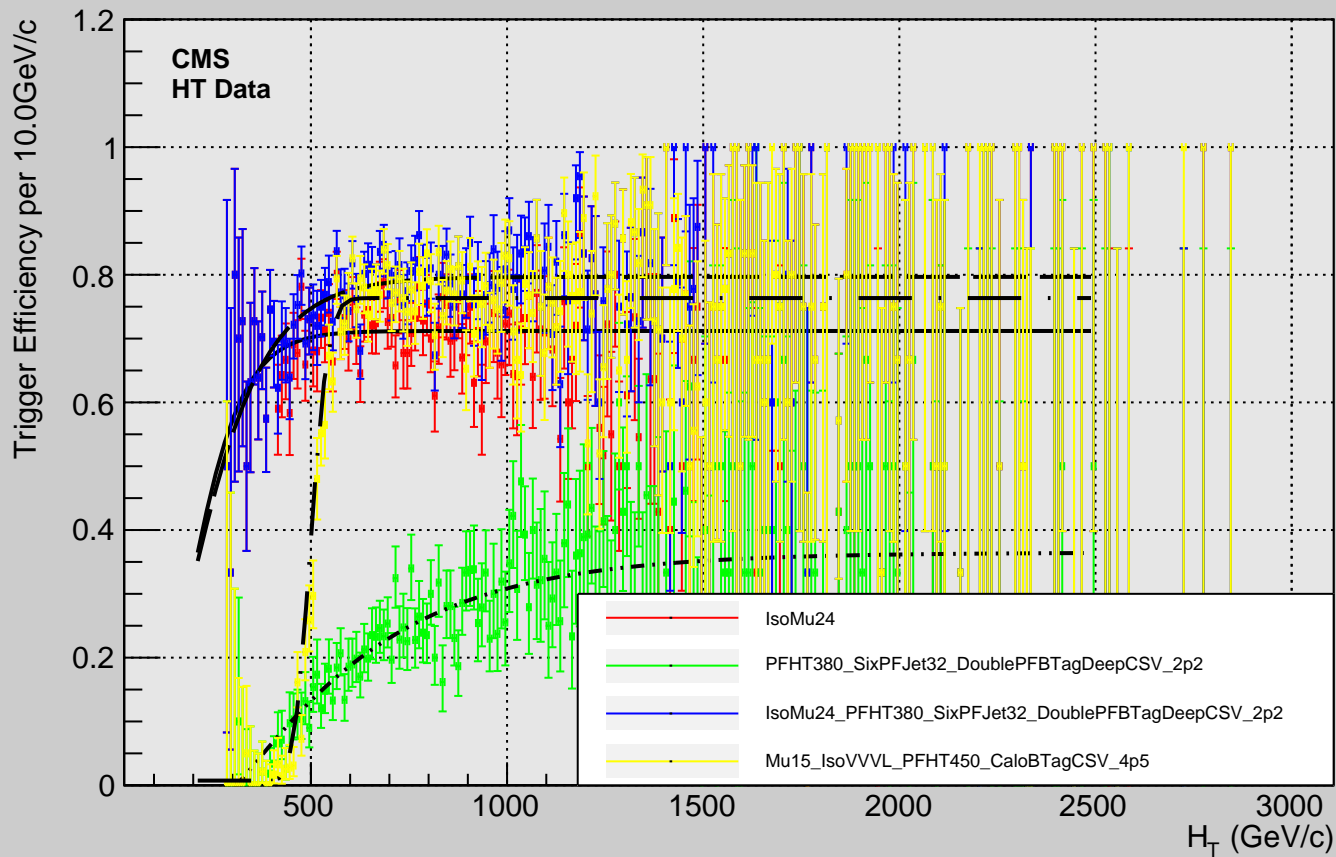
Event Limit: None (see last page)

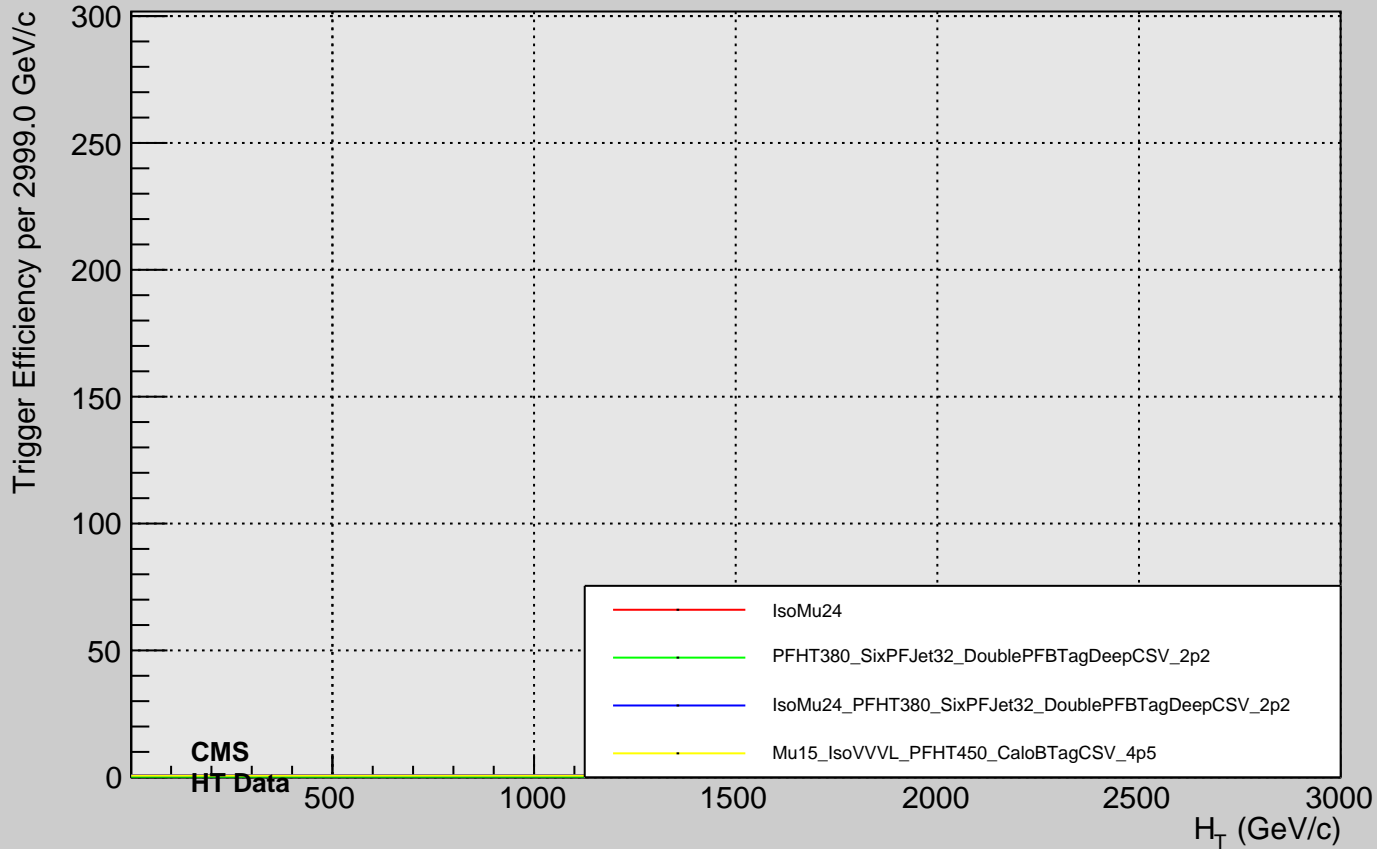
Off-line (post-)selection Requisites for:

- **Jets:** $\text{jetId} > 2$, $p_{\text{T}} > 30$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

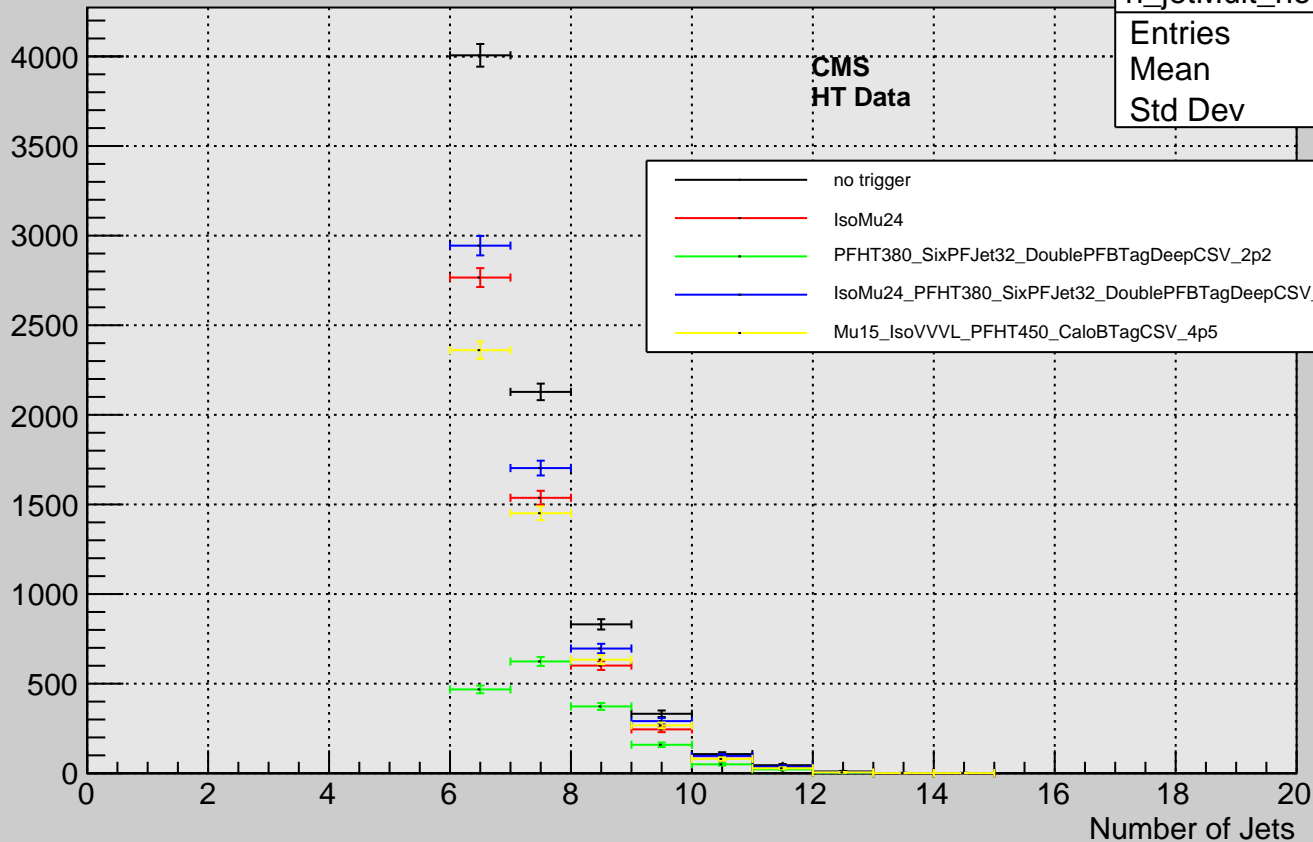
Number of Events per 10 GeV/c



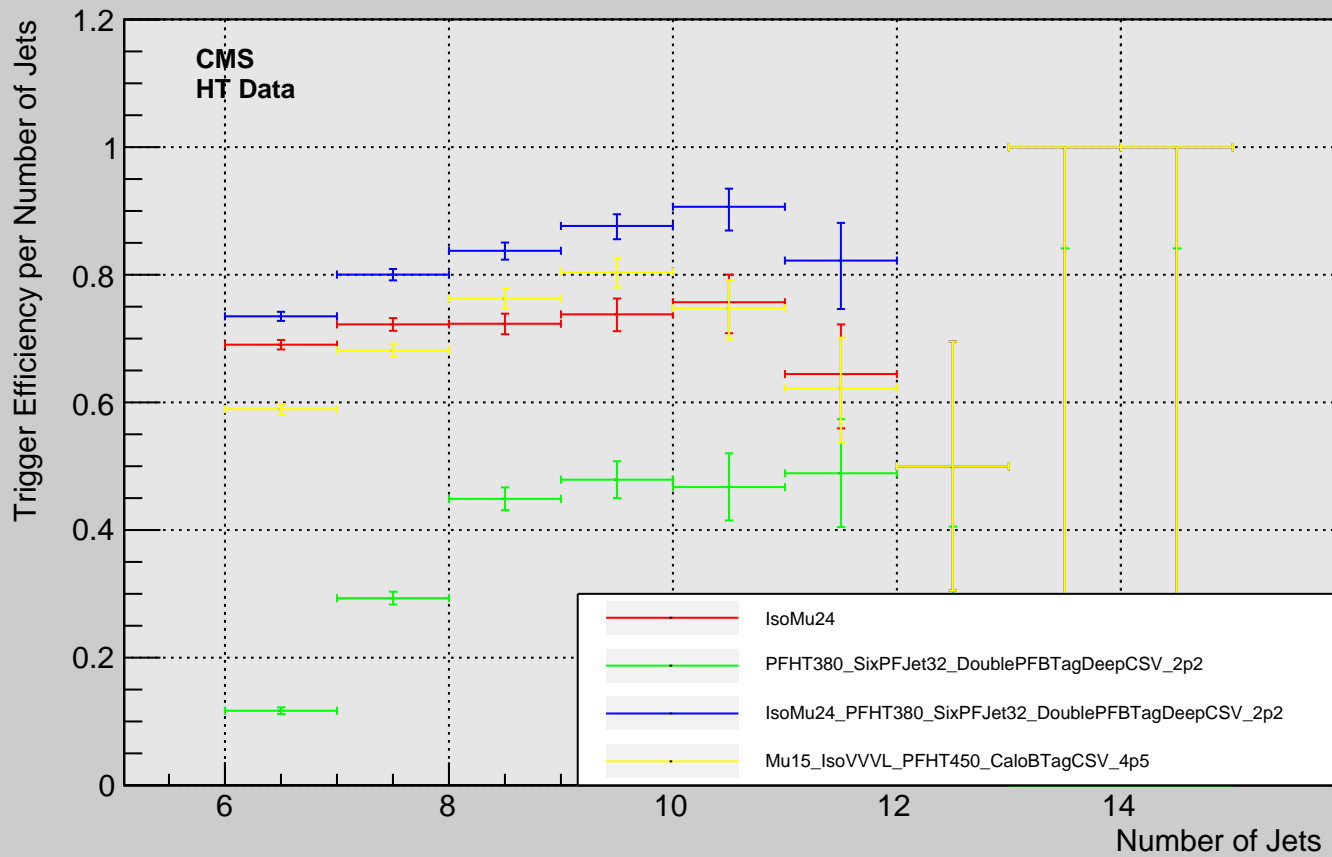




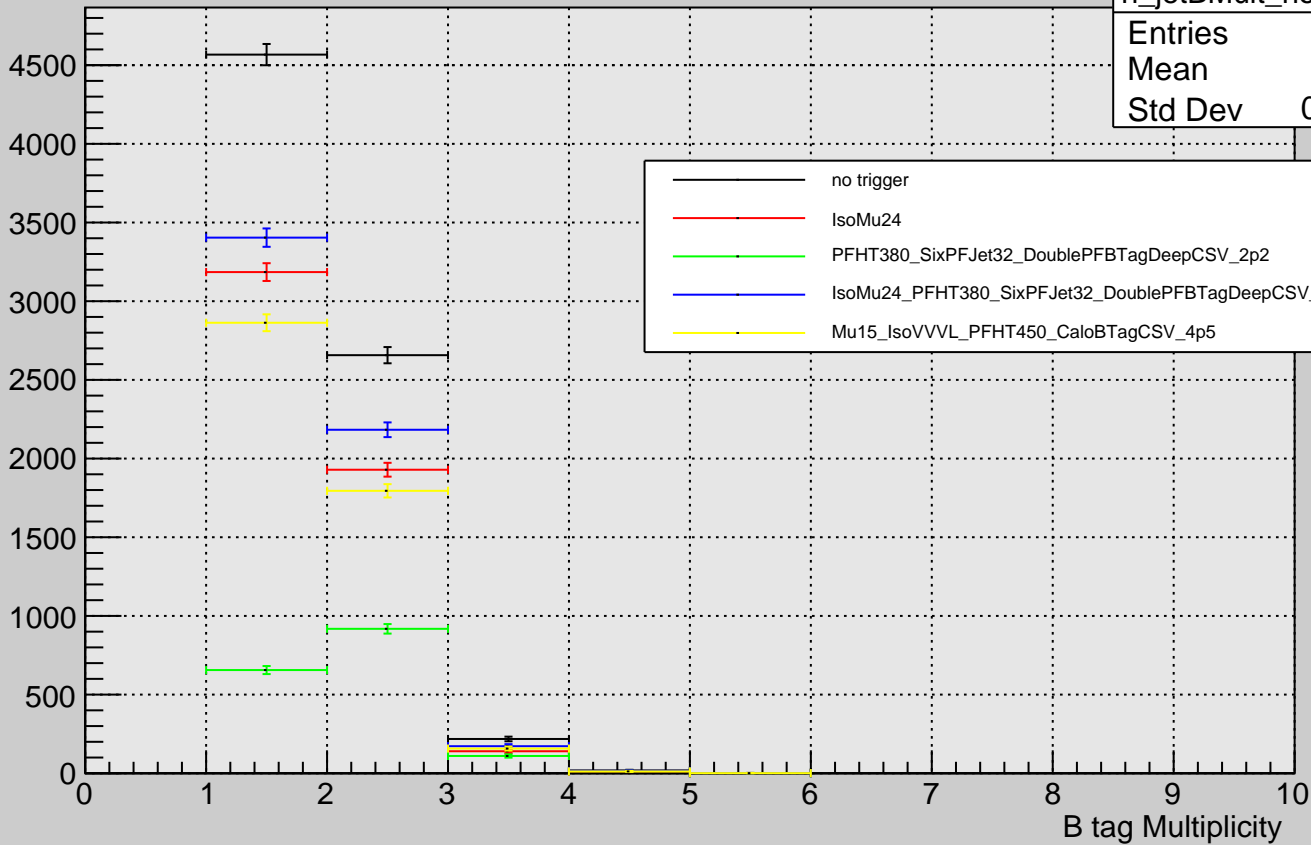
Number of Events per Number of Jets



h_jetMult_notrigger	
Entries	7461
Mean	6.739
Std Dev	1.014



Number of Events per Number of Jets

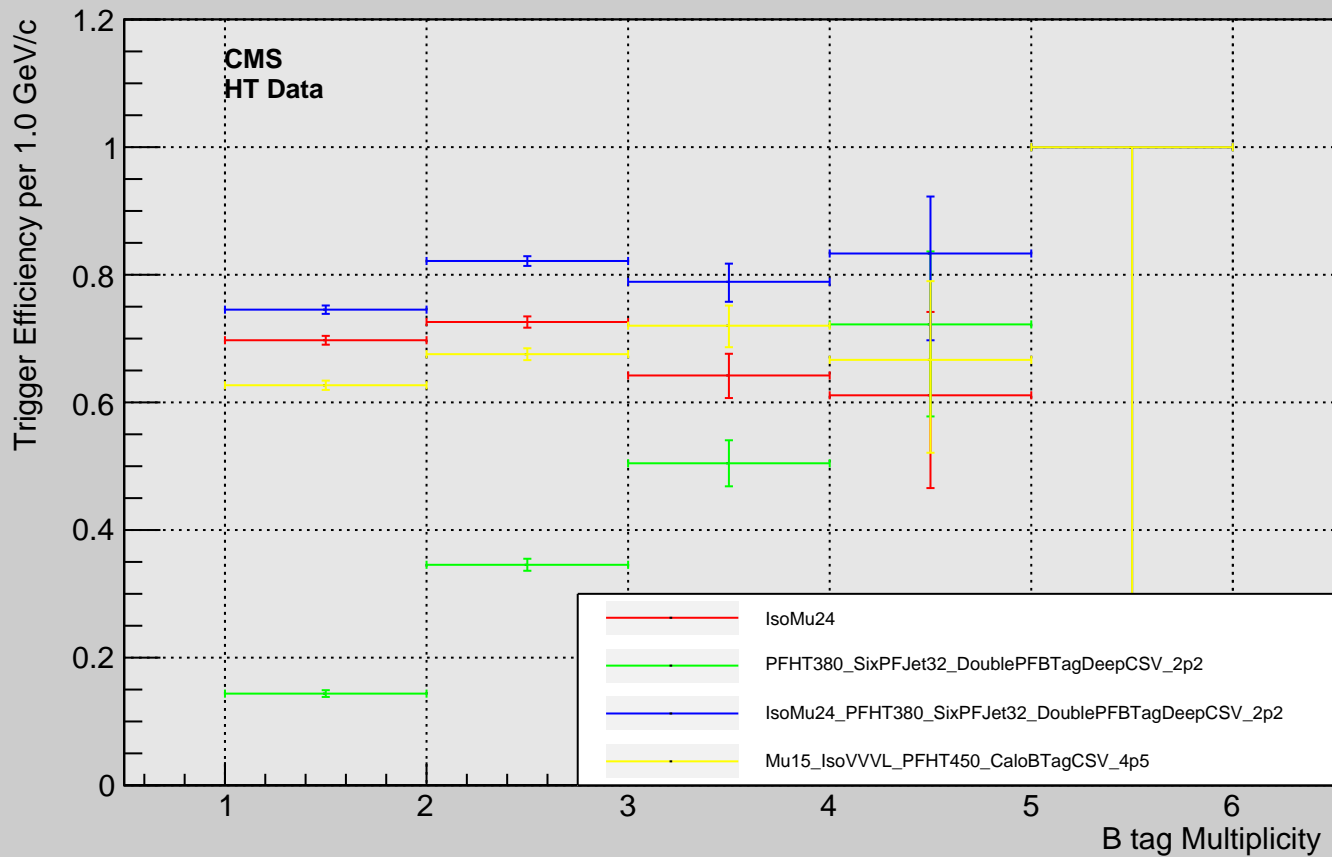


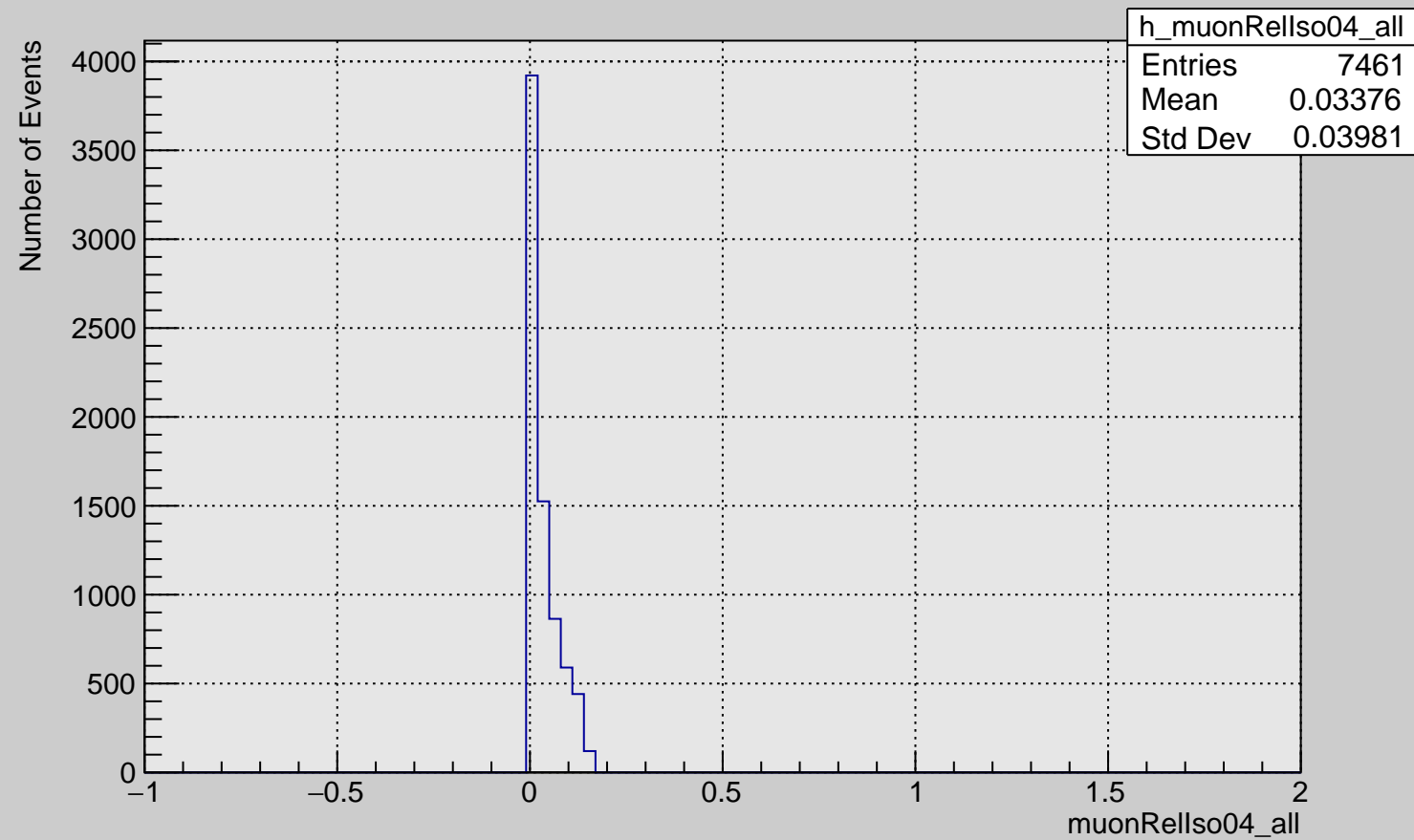
h_jetBMult_notrigger

Entries 7461

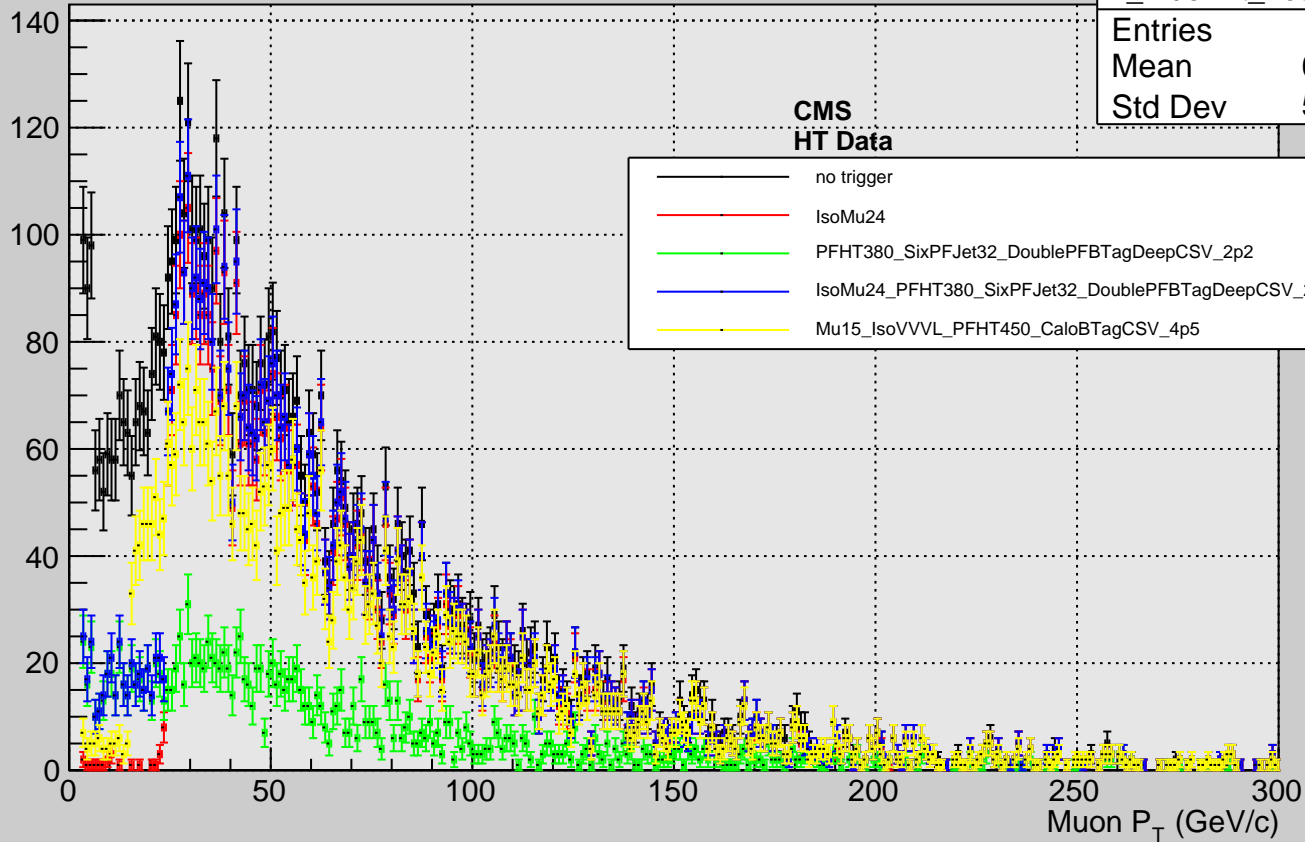
Mean 1.922

Std Dev 0.5643





Number of Events per 1 GeV/c



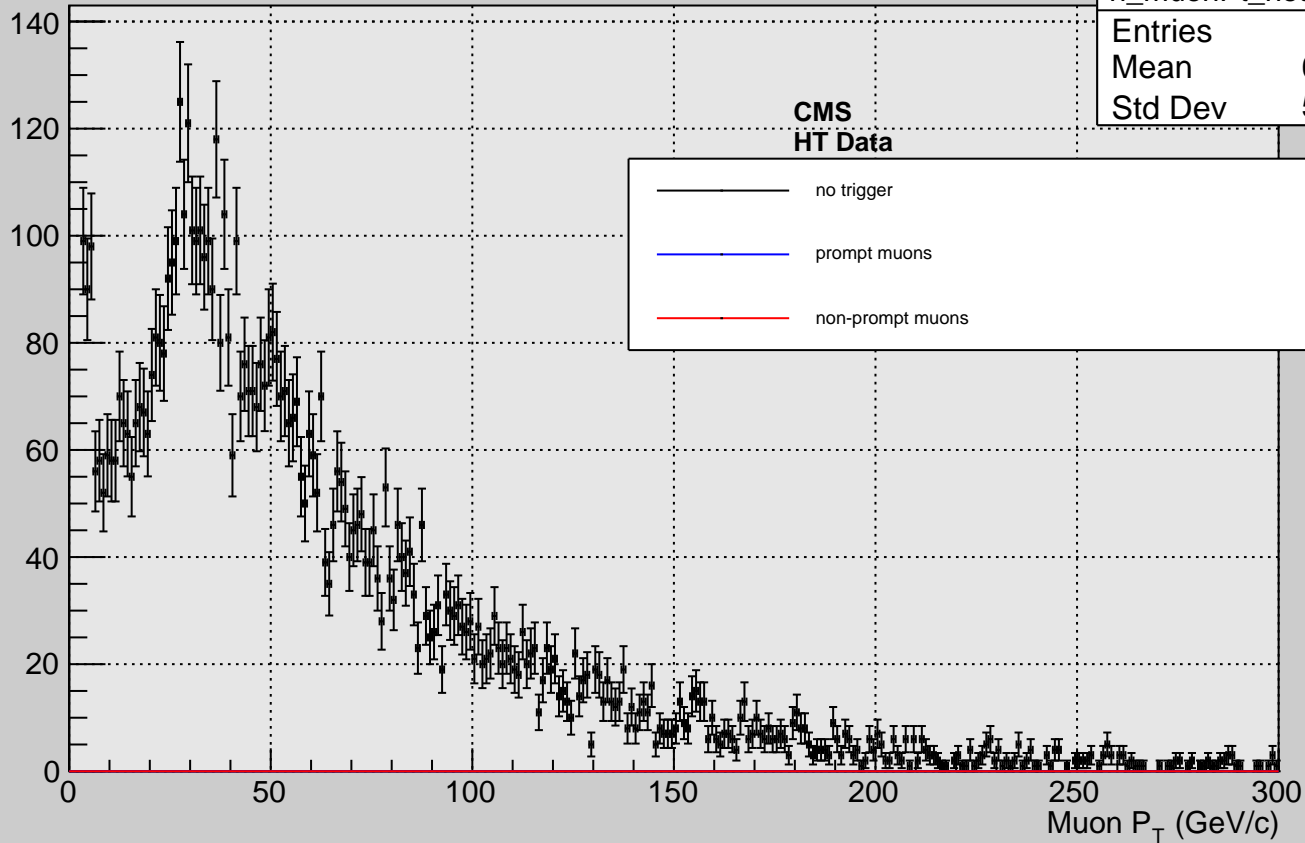
h_muonPt_notrigger

Entries 7461

Mean 63.07

Std Dev 51.17

Number of Events per 1 GeV/c

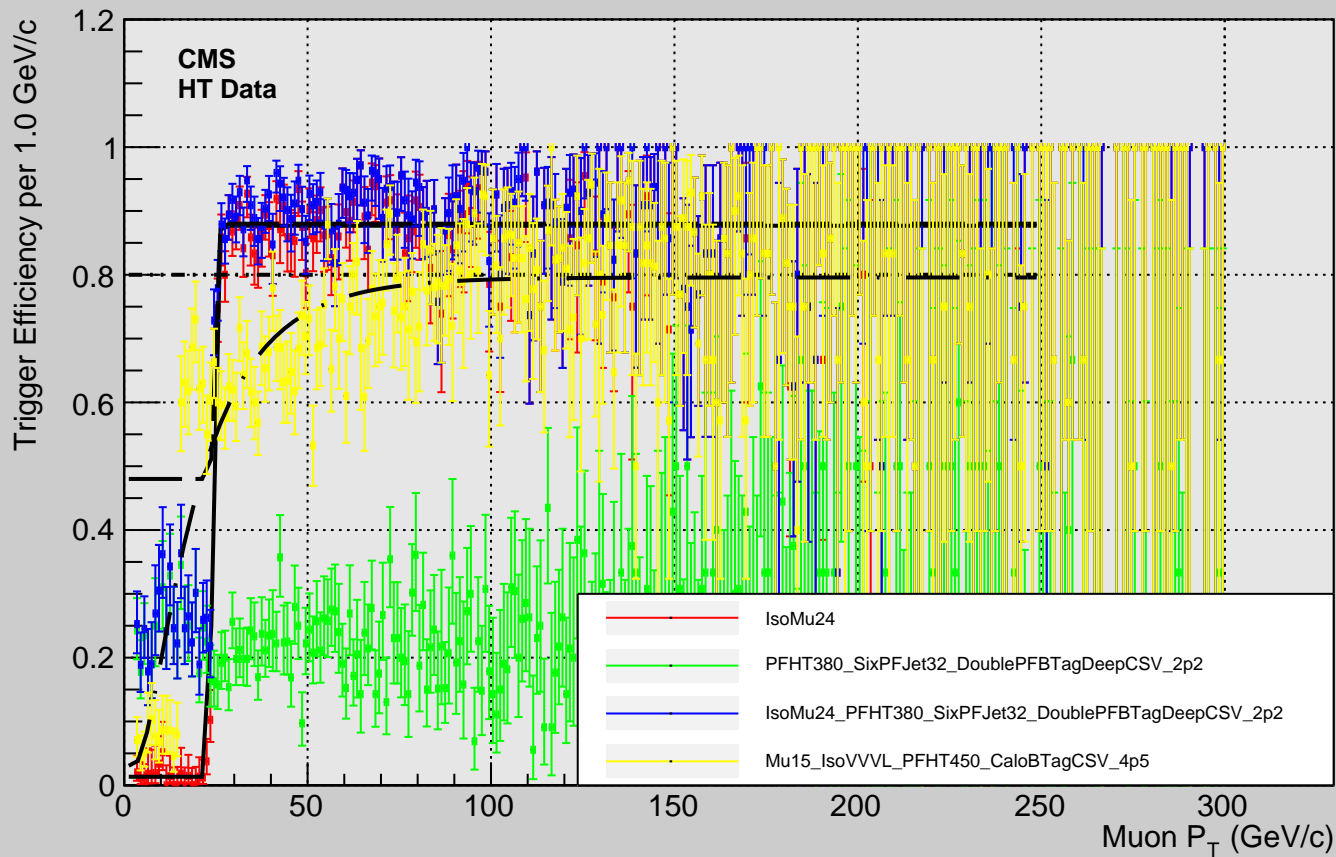


h_muonPt_notrigger

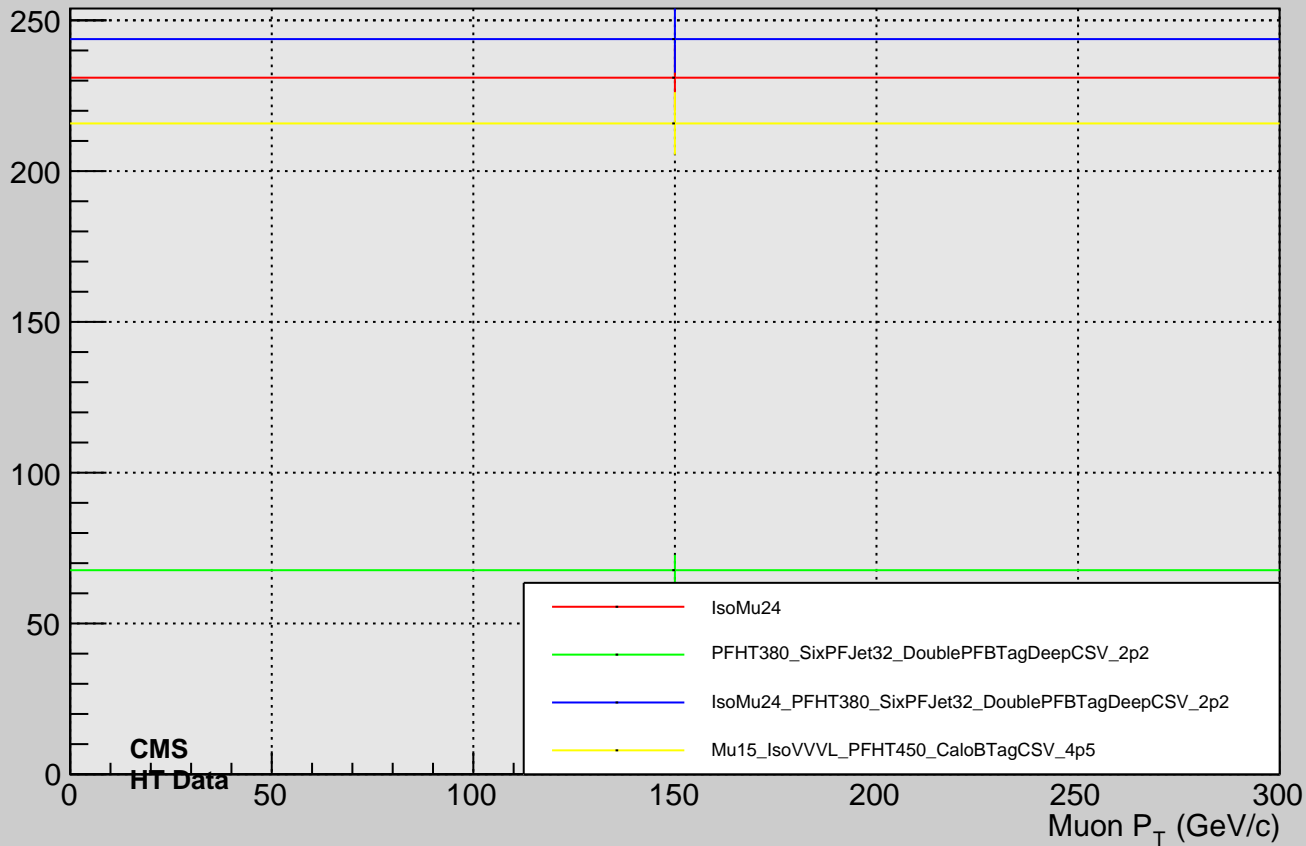
Entries 7461

Mean 63.07

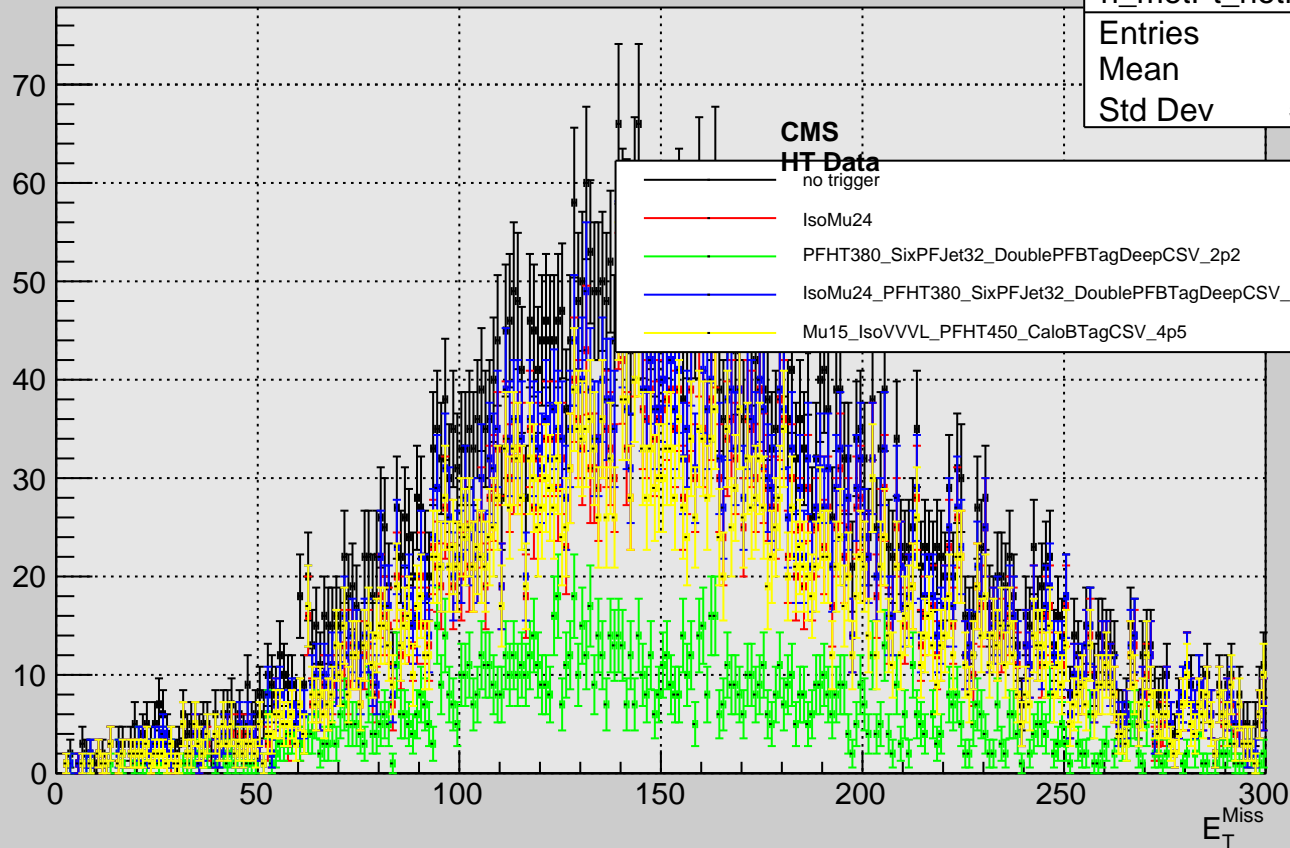
Std Dev 51.17



Trigger Efficiency per 1.00 GeV/c



Number of Events per 1 GeV/c

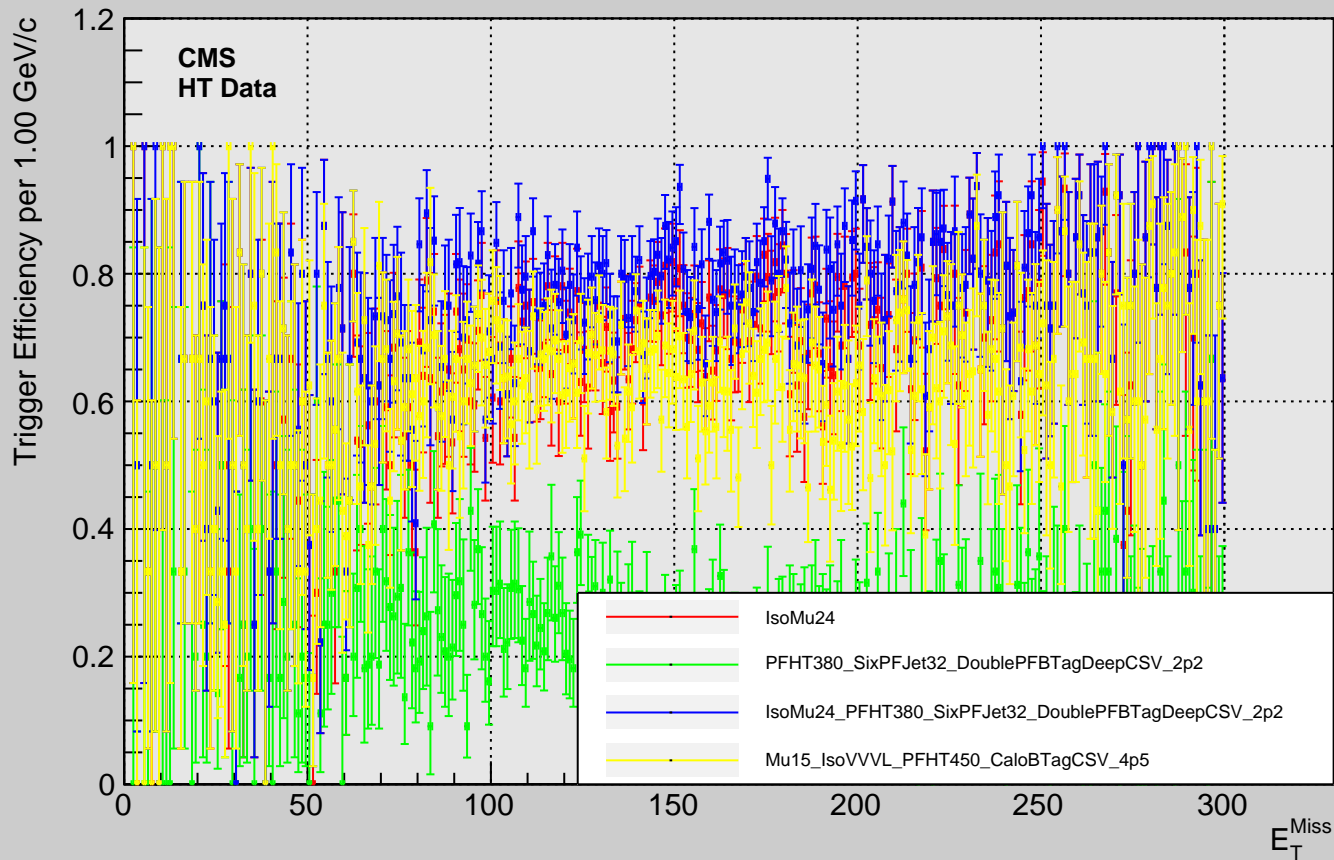


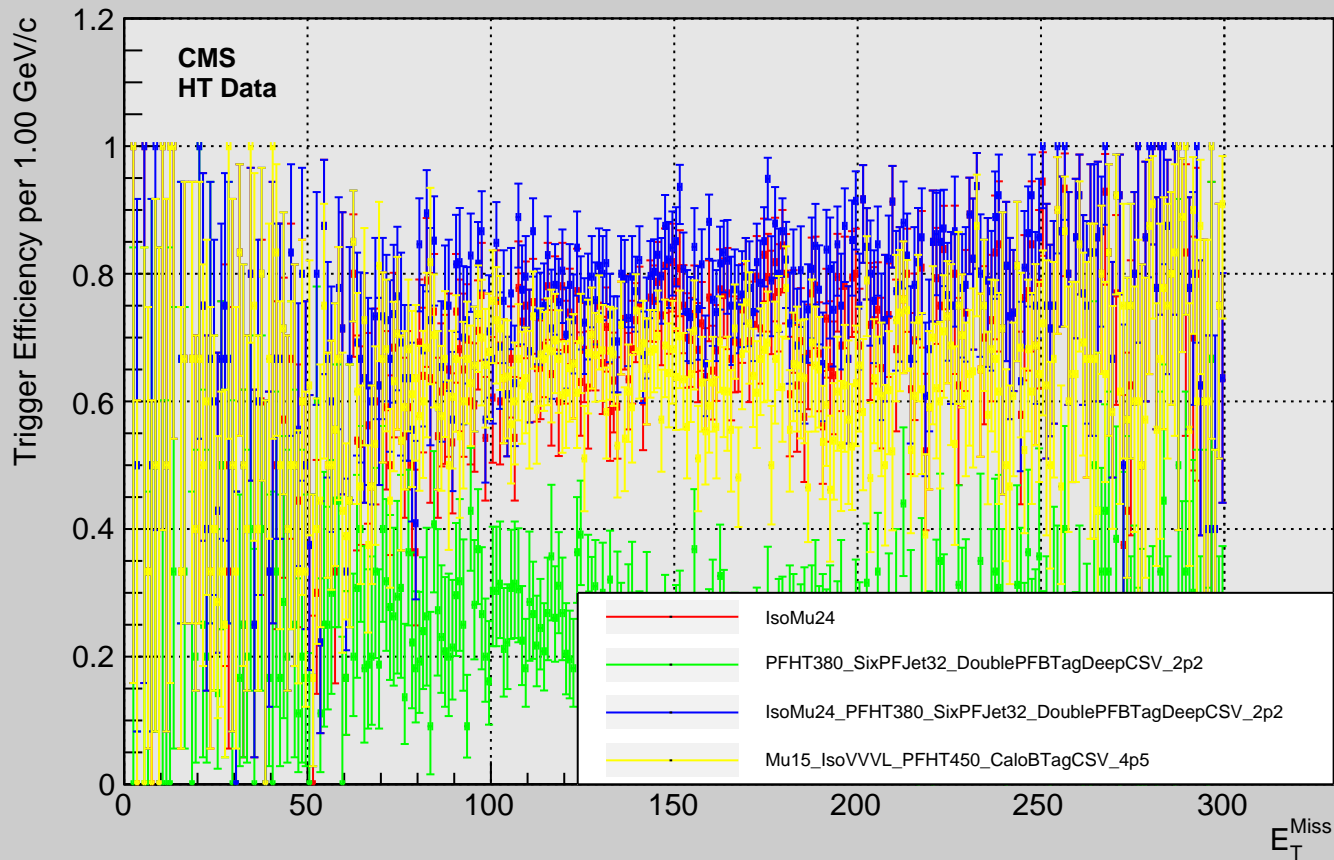
h_metPt_notrigger

Entries 7461

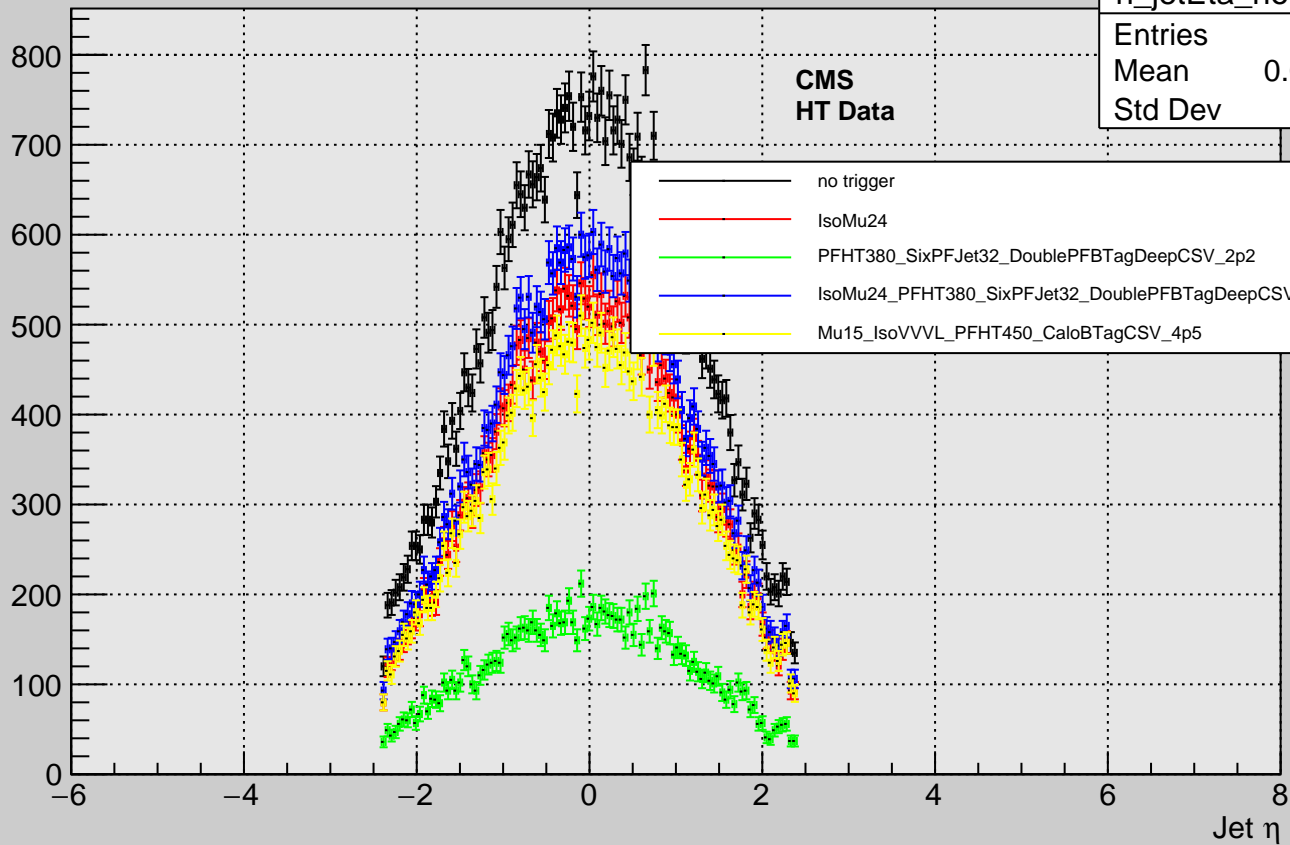
Mean 156.2

Std Dev 57.25

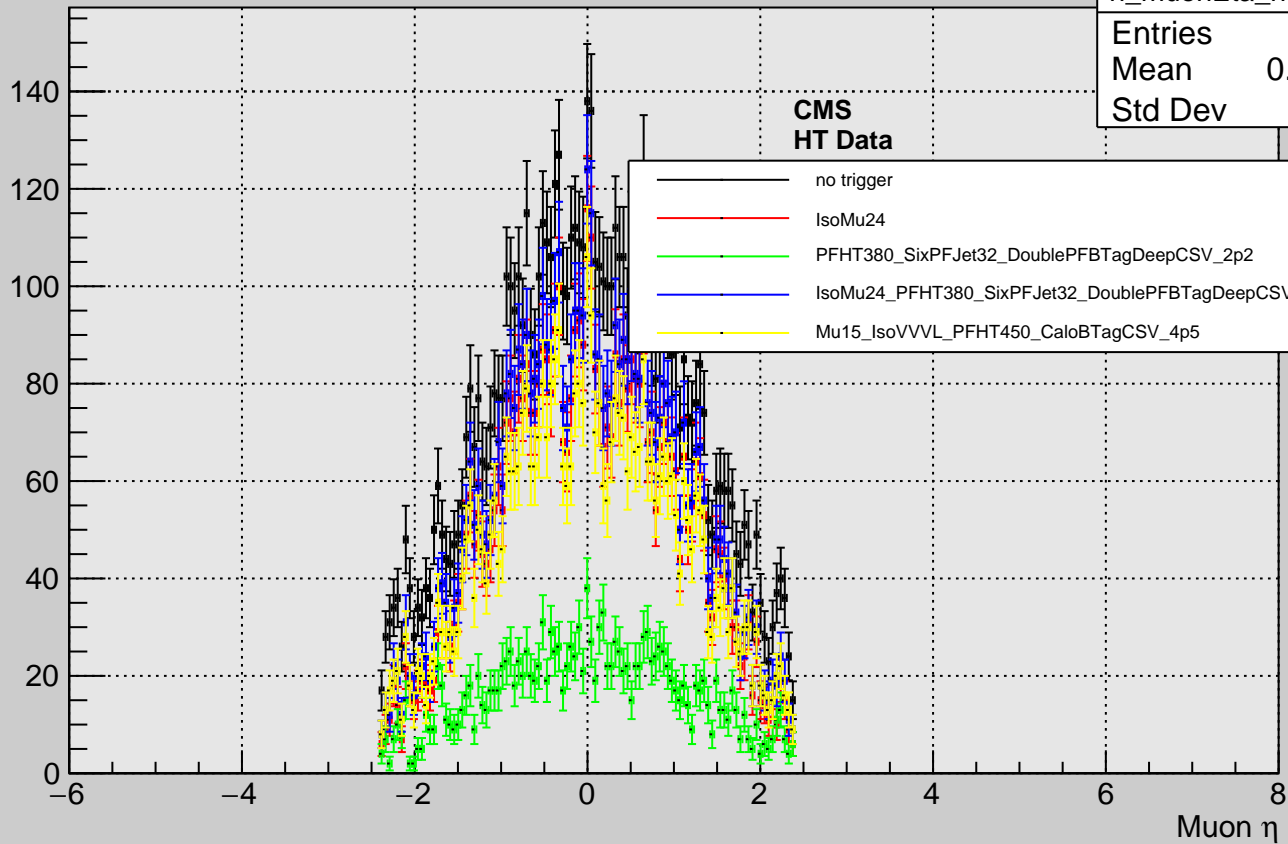




Number of Events per $\delta\eta = 0.046$



Number of Events per $\delta\eta = 0.046$

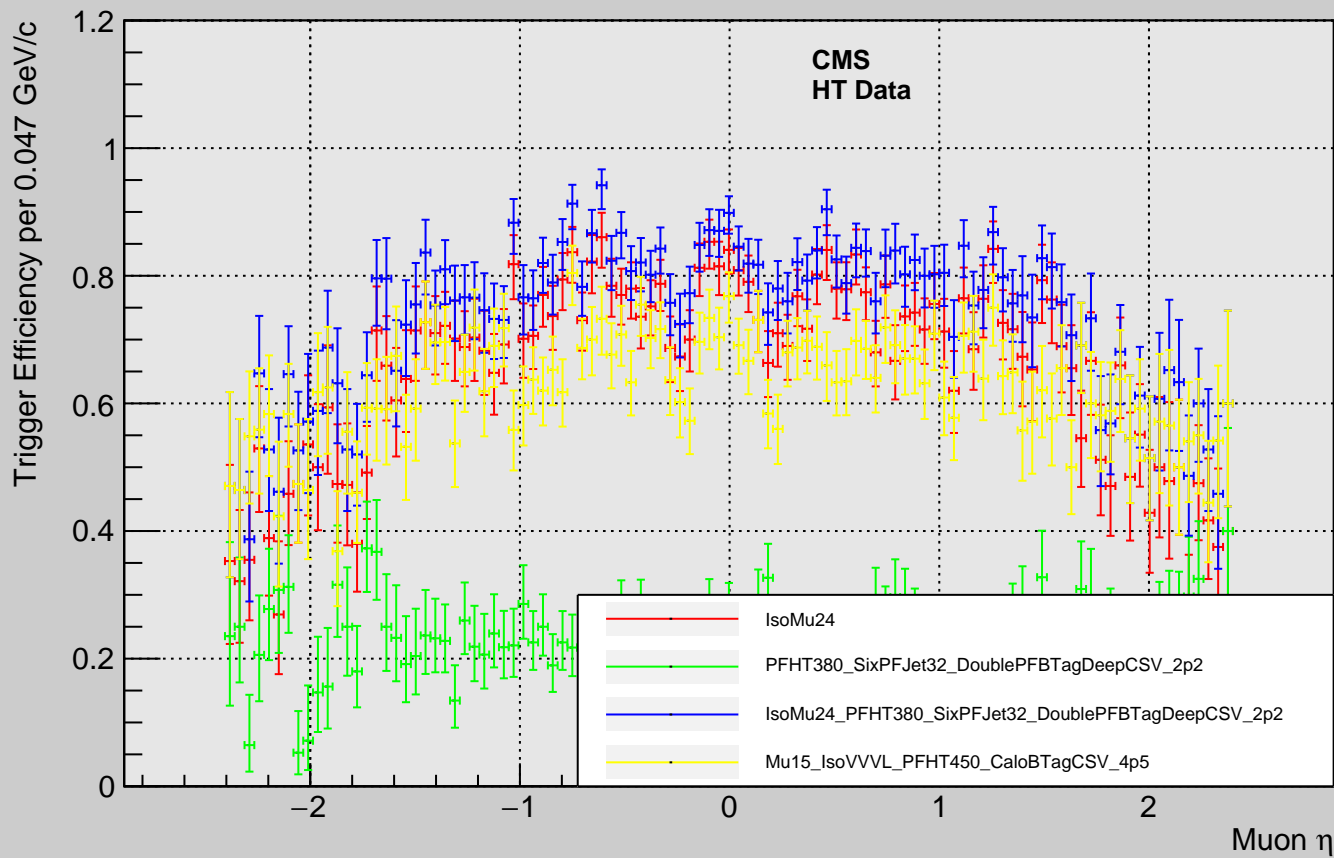


h_muonEta_notrigger

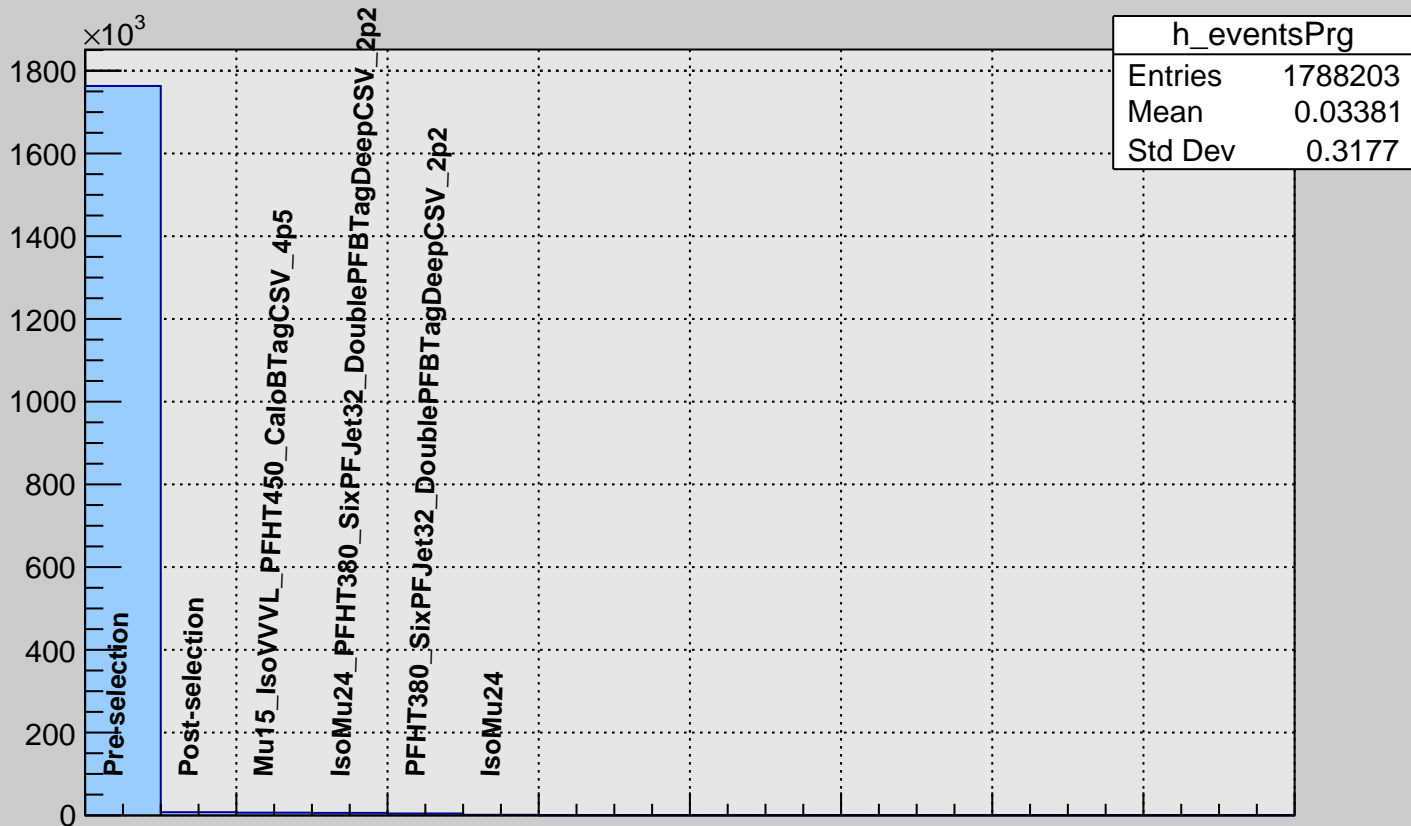
Entries 7461

Mean 0.00838

Std Dev 1.114



Total Number of Accepted Events



Cuts and Triggers