

On-line (pre-)selection Requisites for:

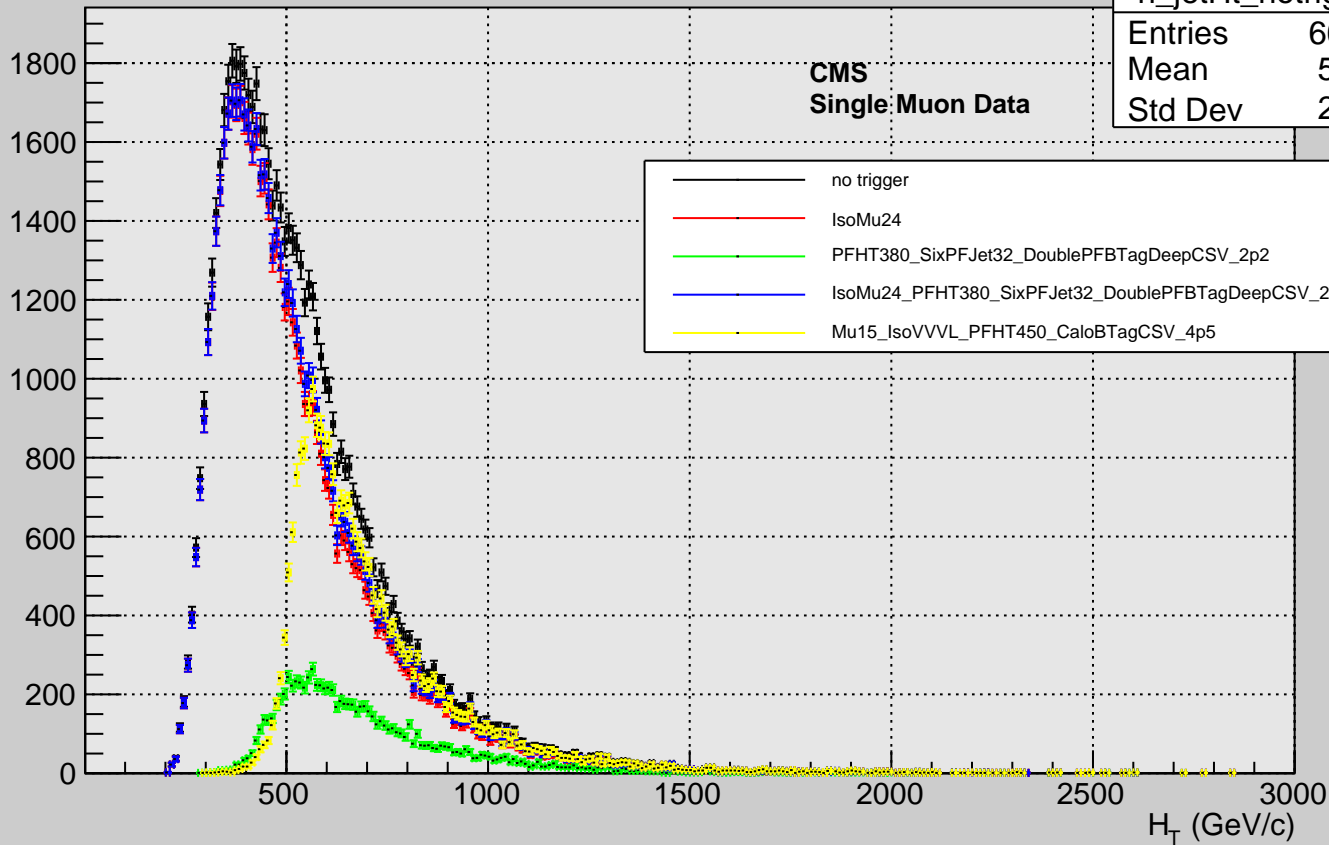
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

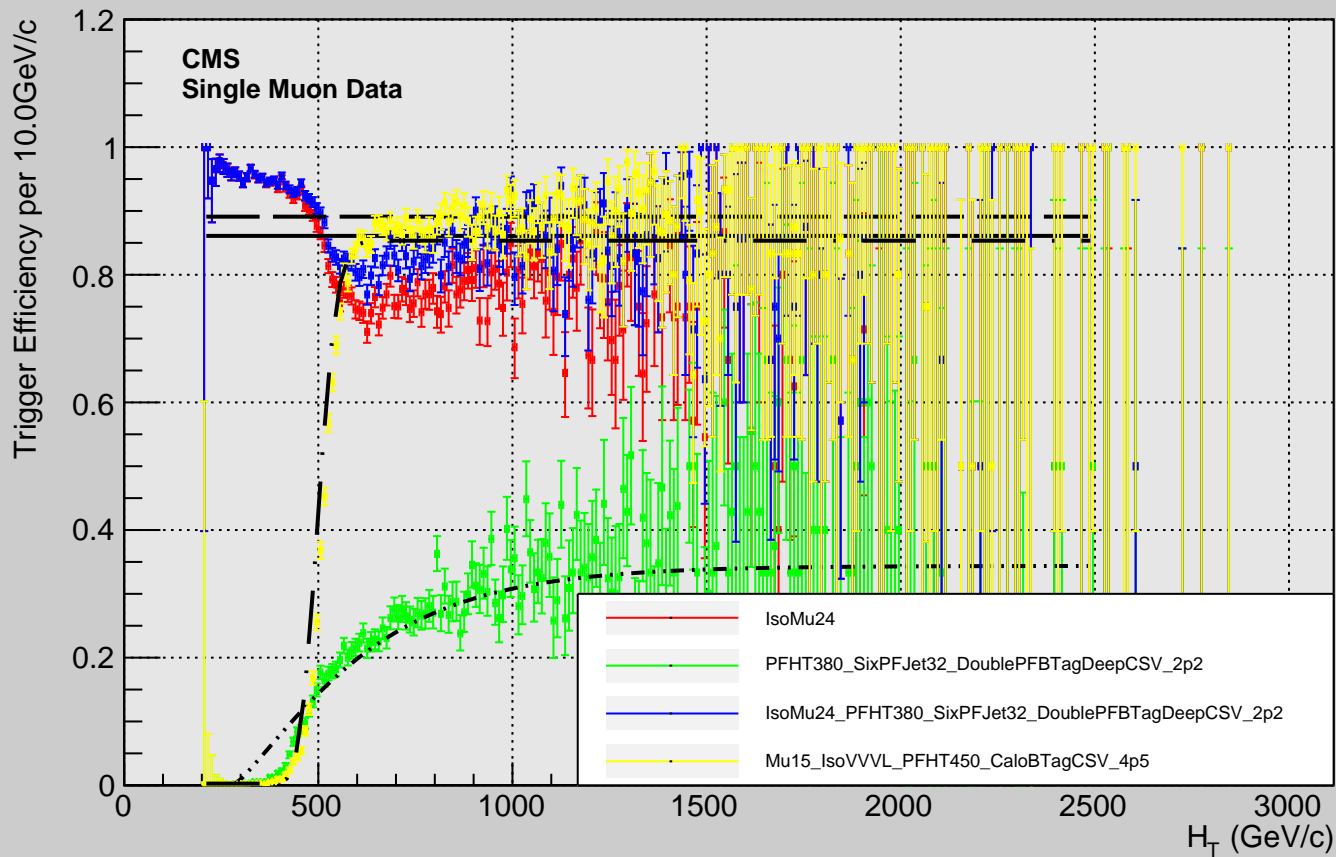
Event Limit: None (see last page)

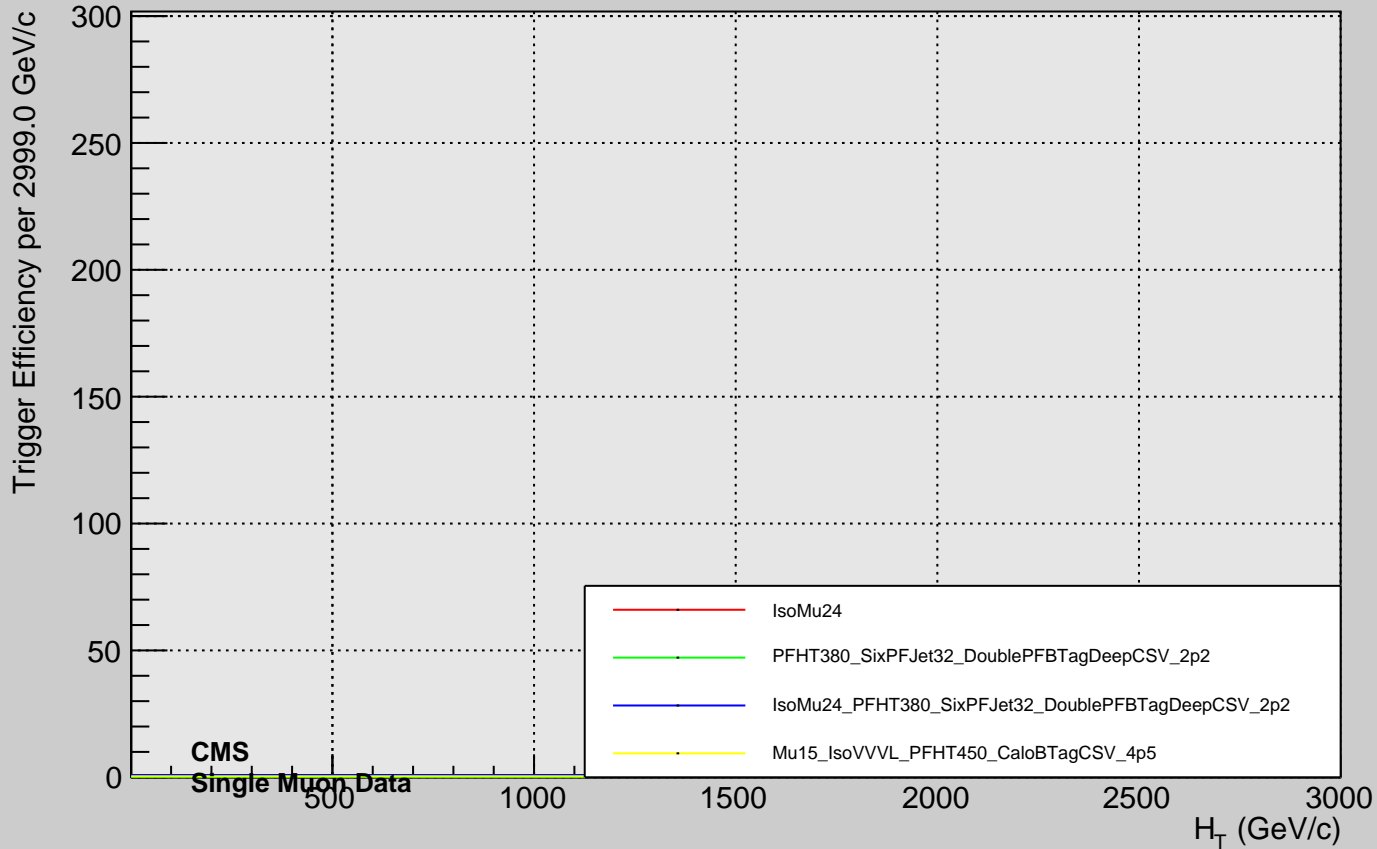
Off-line (post-)selection Requisites for:

- **Jets:** $\text{jetId} > 2$, $p_T > 30$ 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)

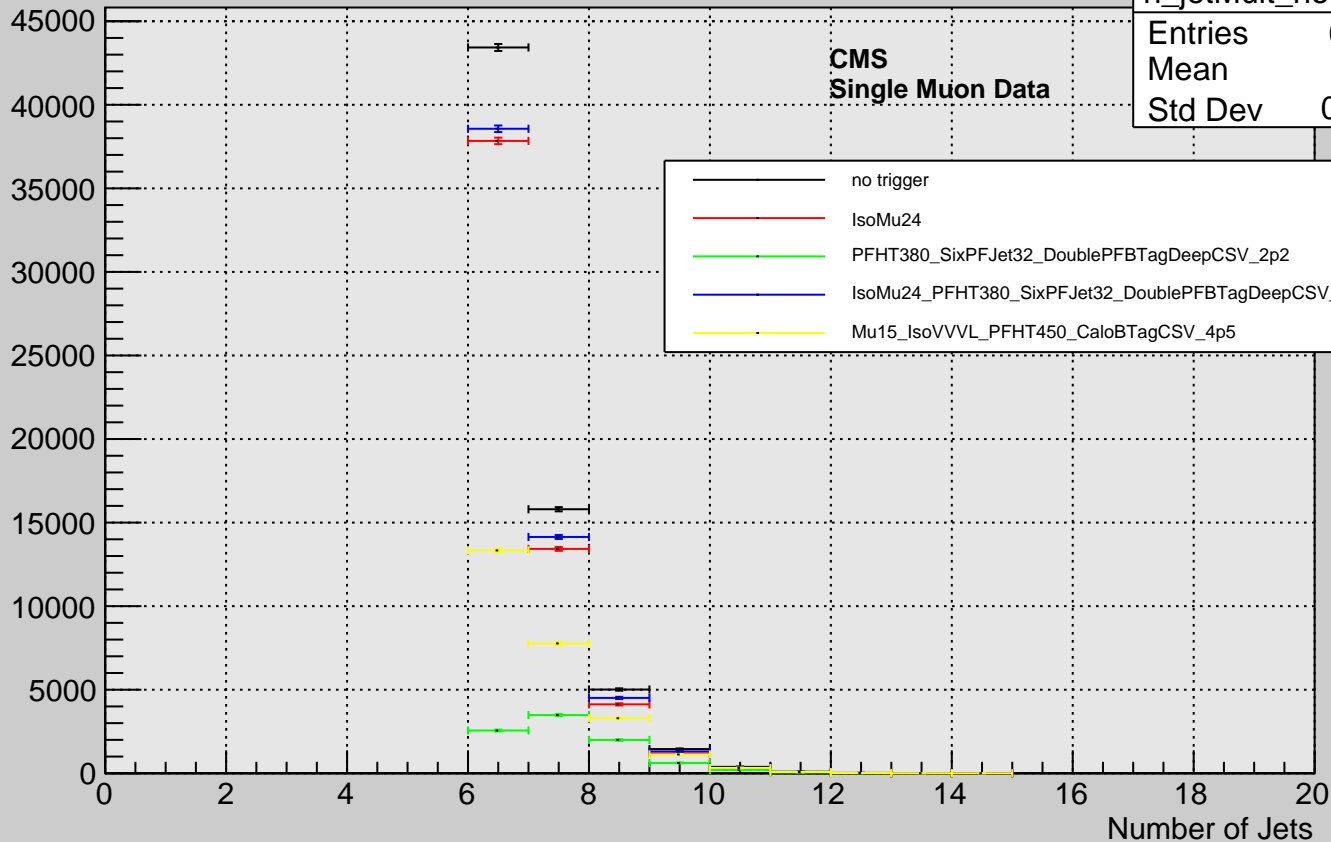
Number of Events per 10 GeV/c







Number of Events per Number of Jets

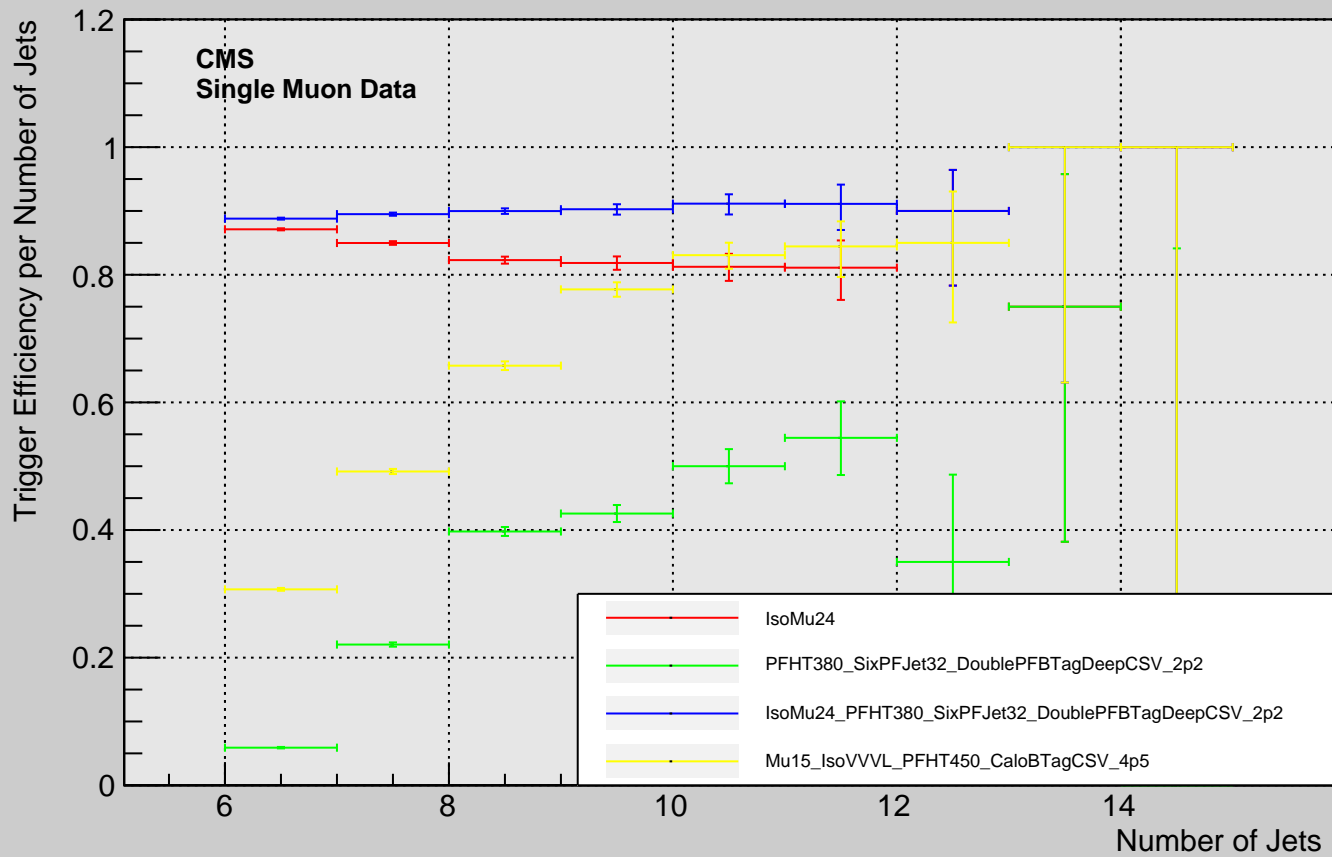


h_jetMult_notrigger

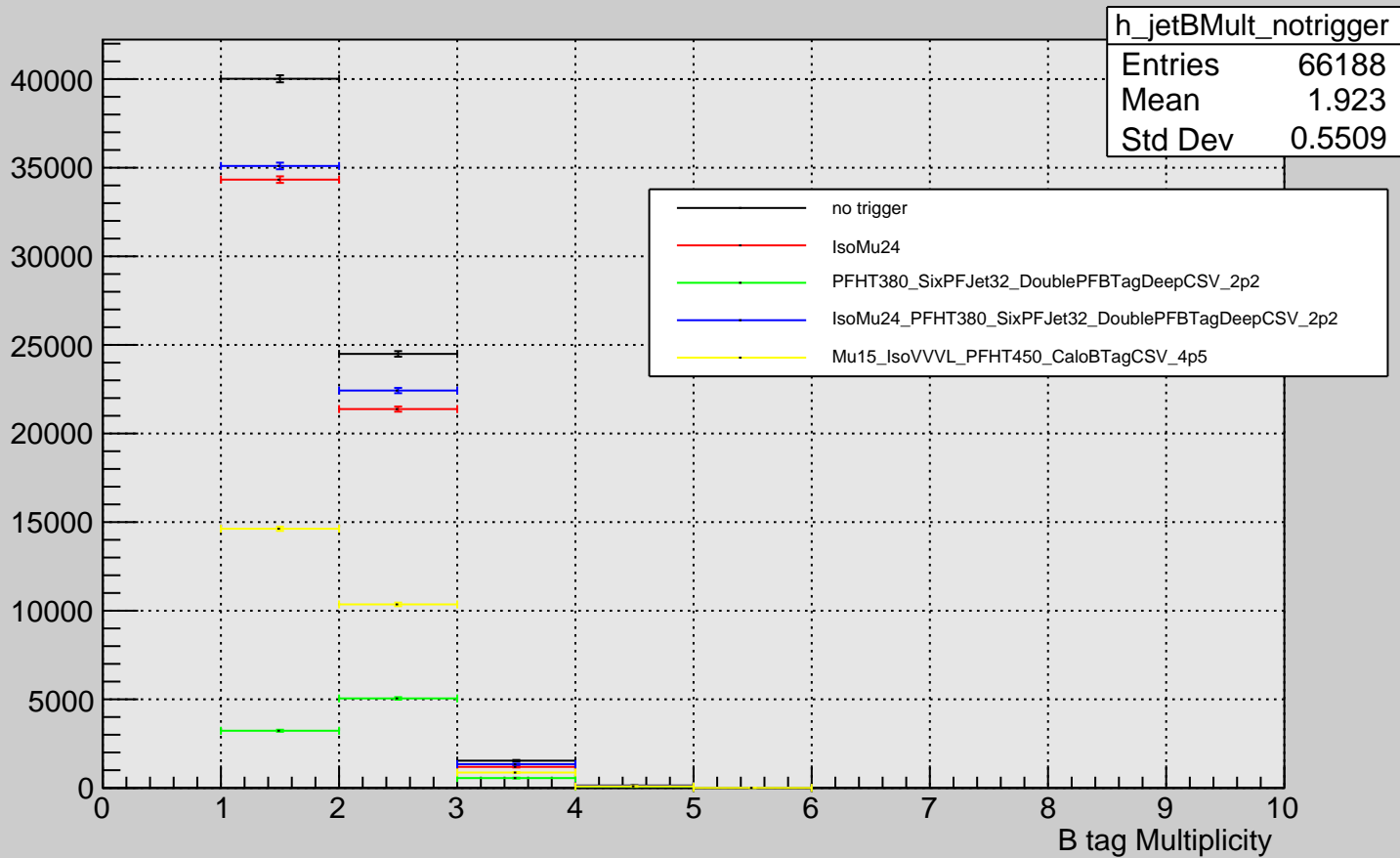
Entries 66188

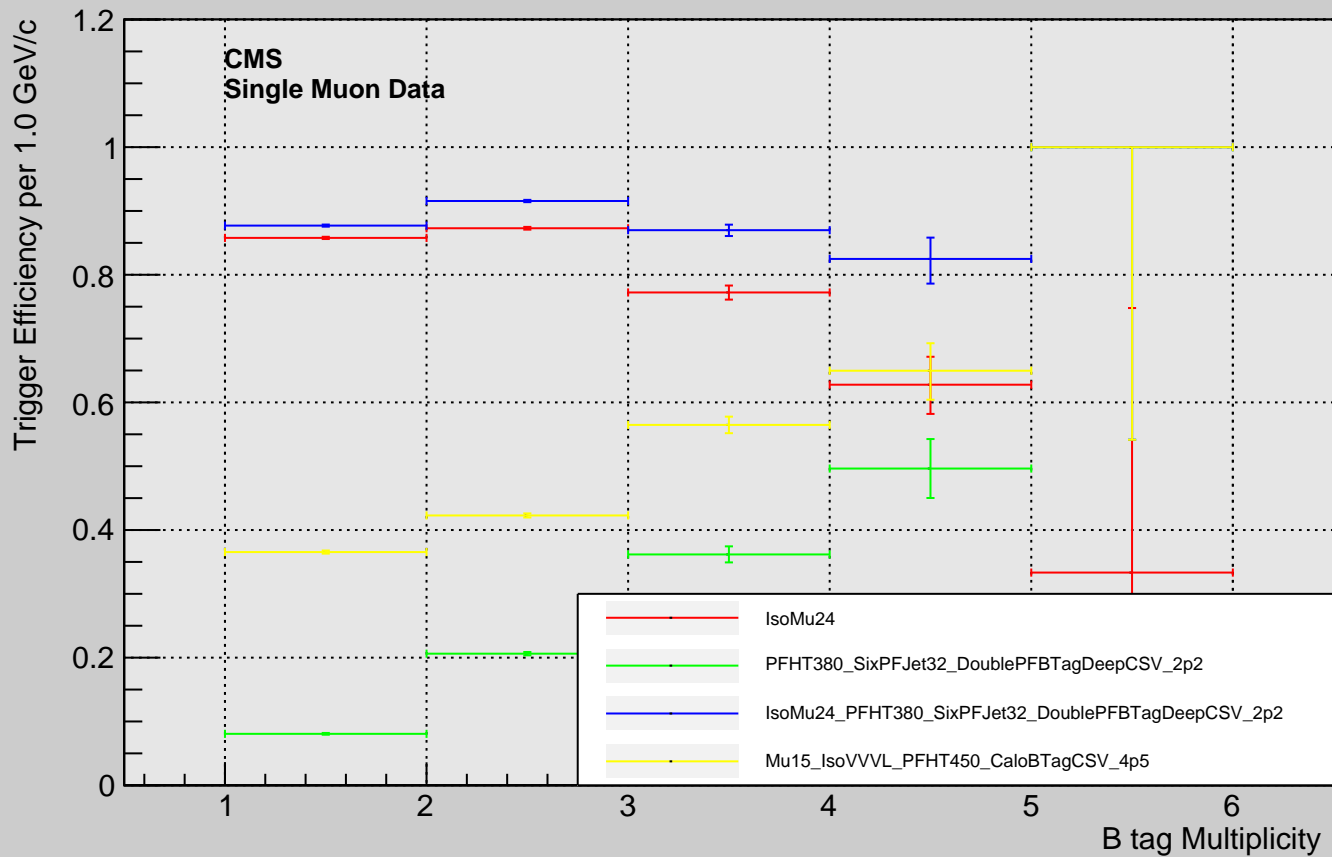
Mean 6.488

Std Dev 0.8012

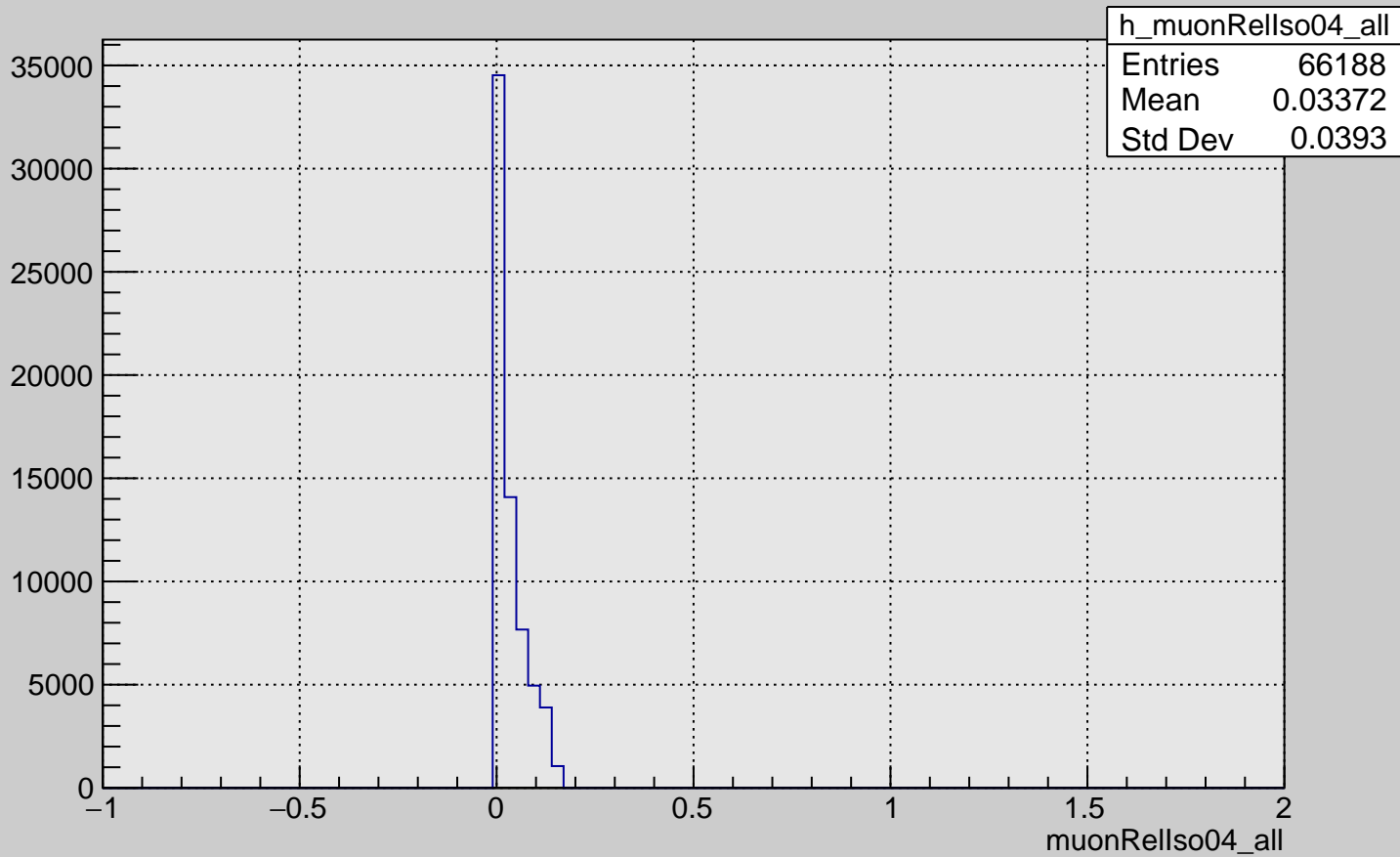


Number of Events per Number of Jets

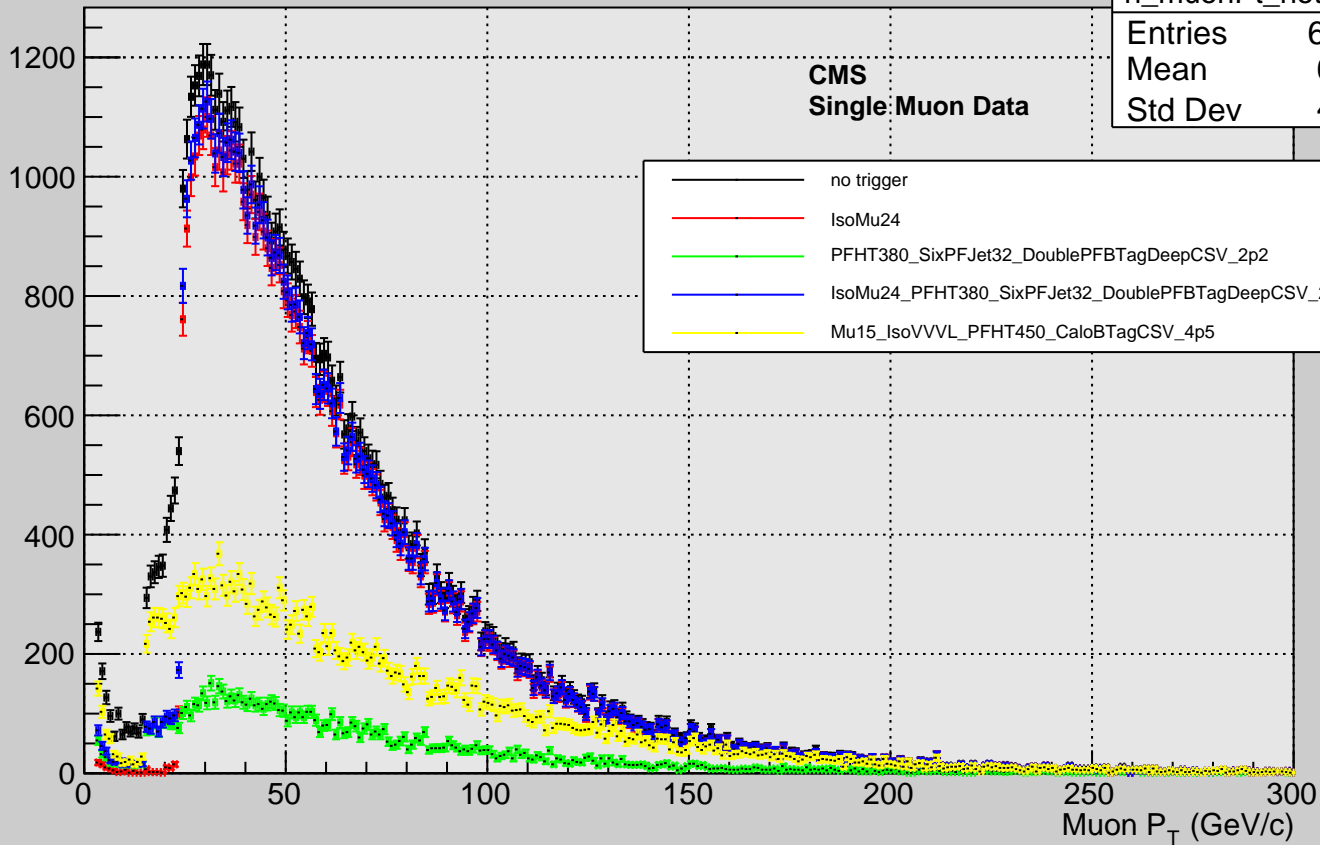




Number of Events



Number of Events per 1 GeV/c



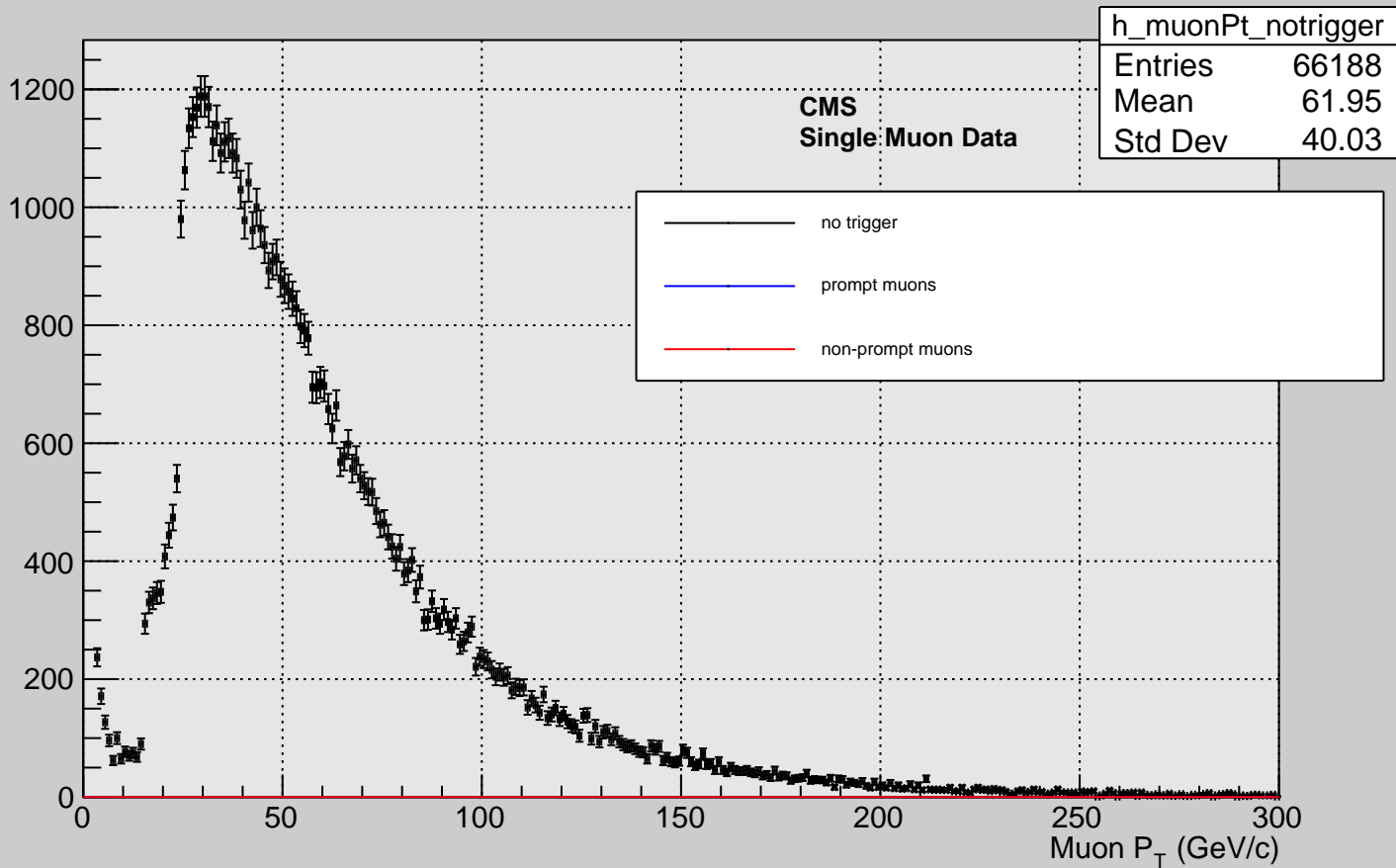
h_muonPt_notrigger

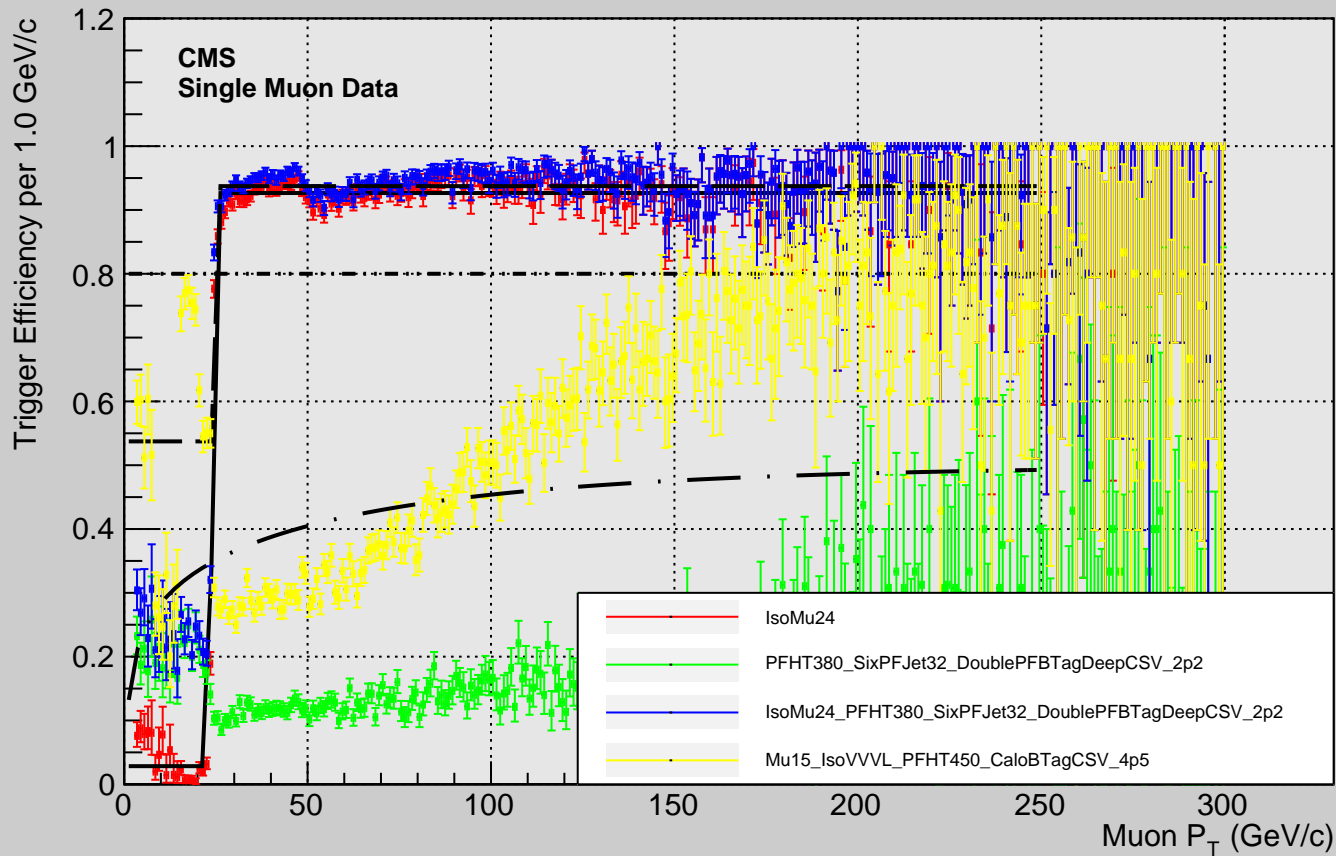
Entries 66188

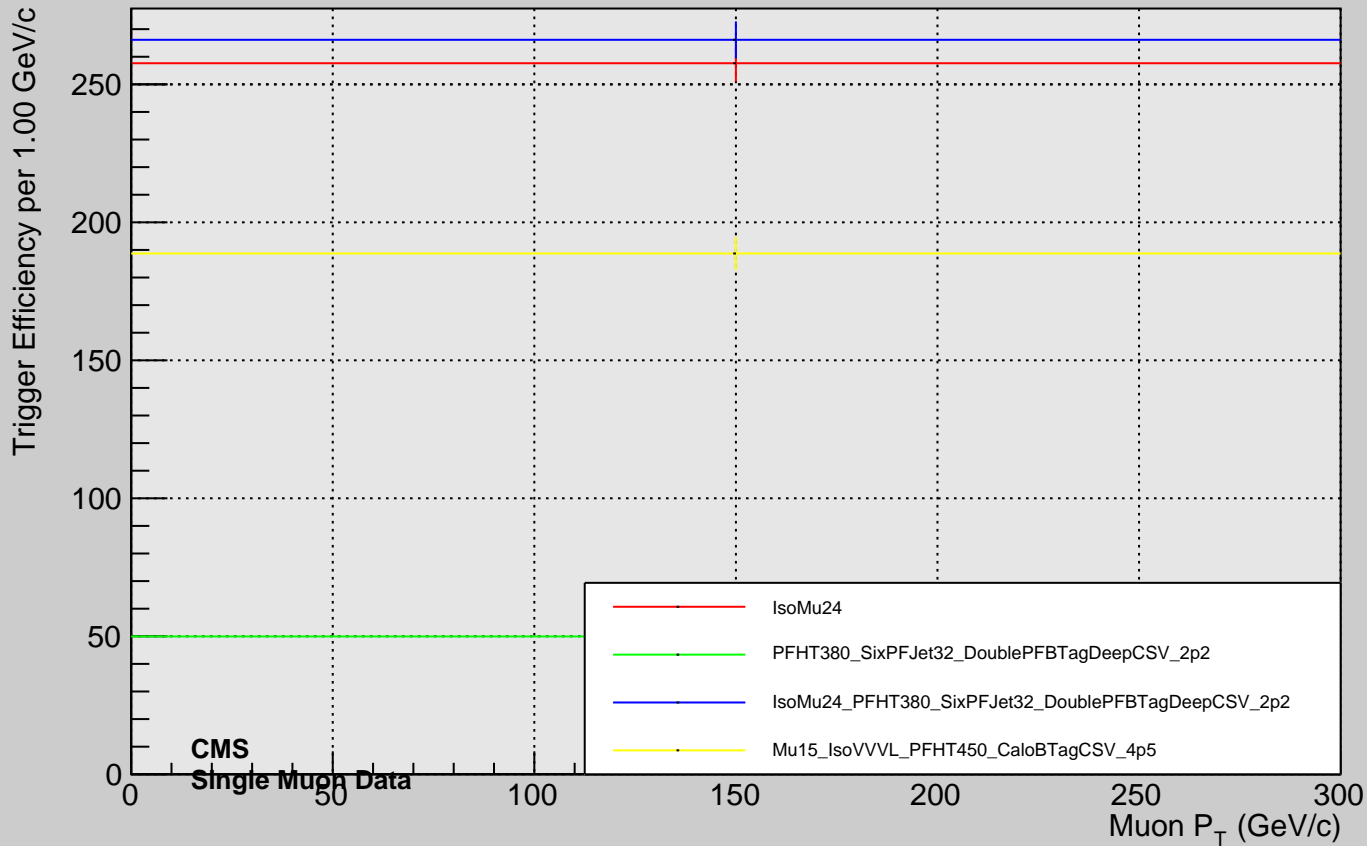
Mean 61.95

Std Dev 40.03

Number of Events per 1 GeV/c







Number of Events per 1 GeV/c

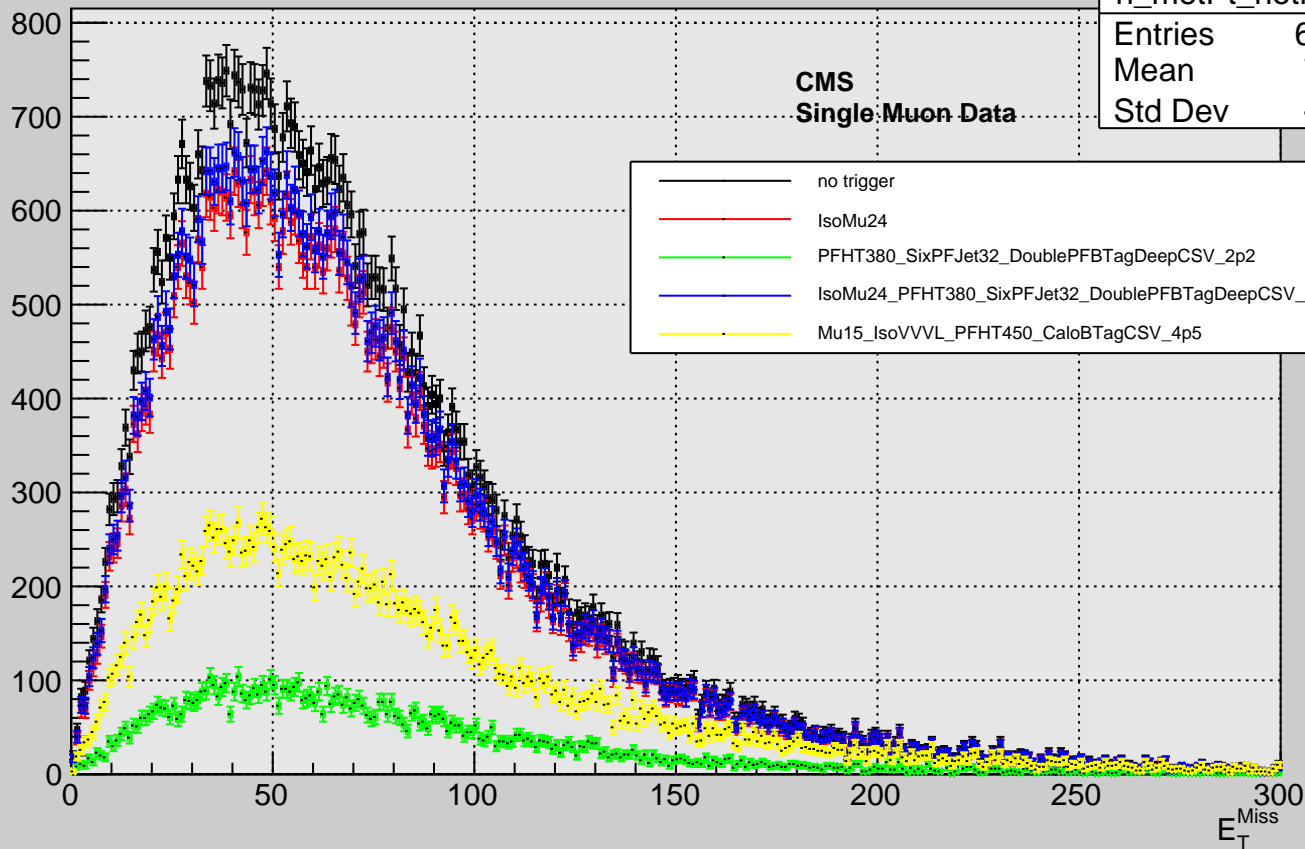
CMS
Single Muon Data

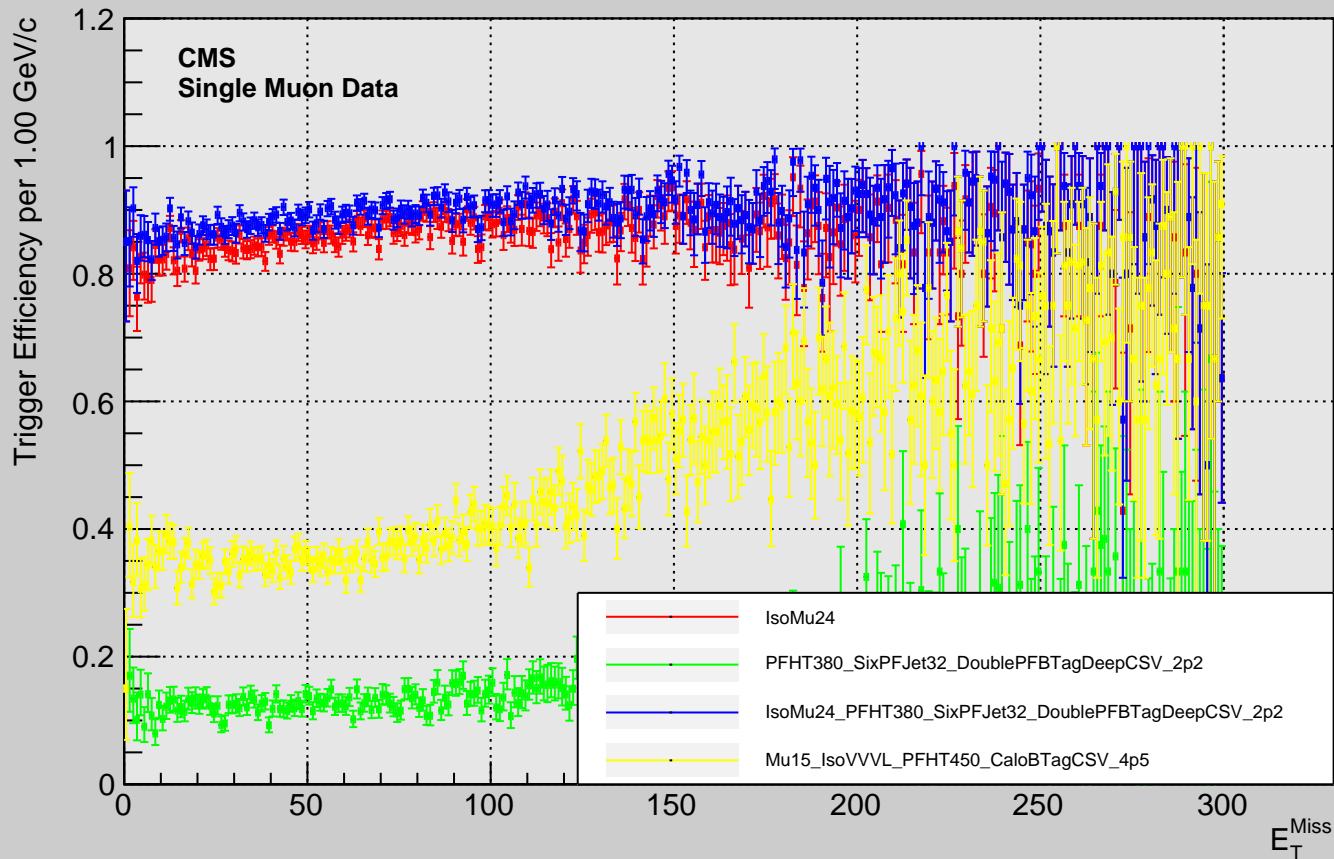
h_metPt_notrigger

Entries 66188

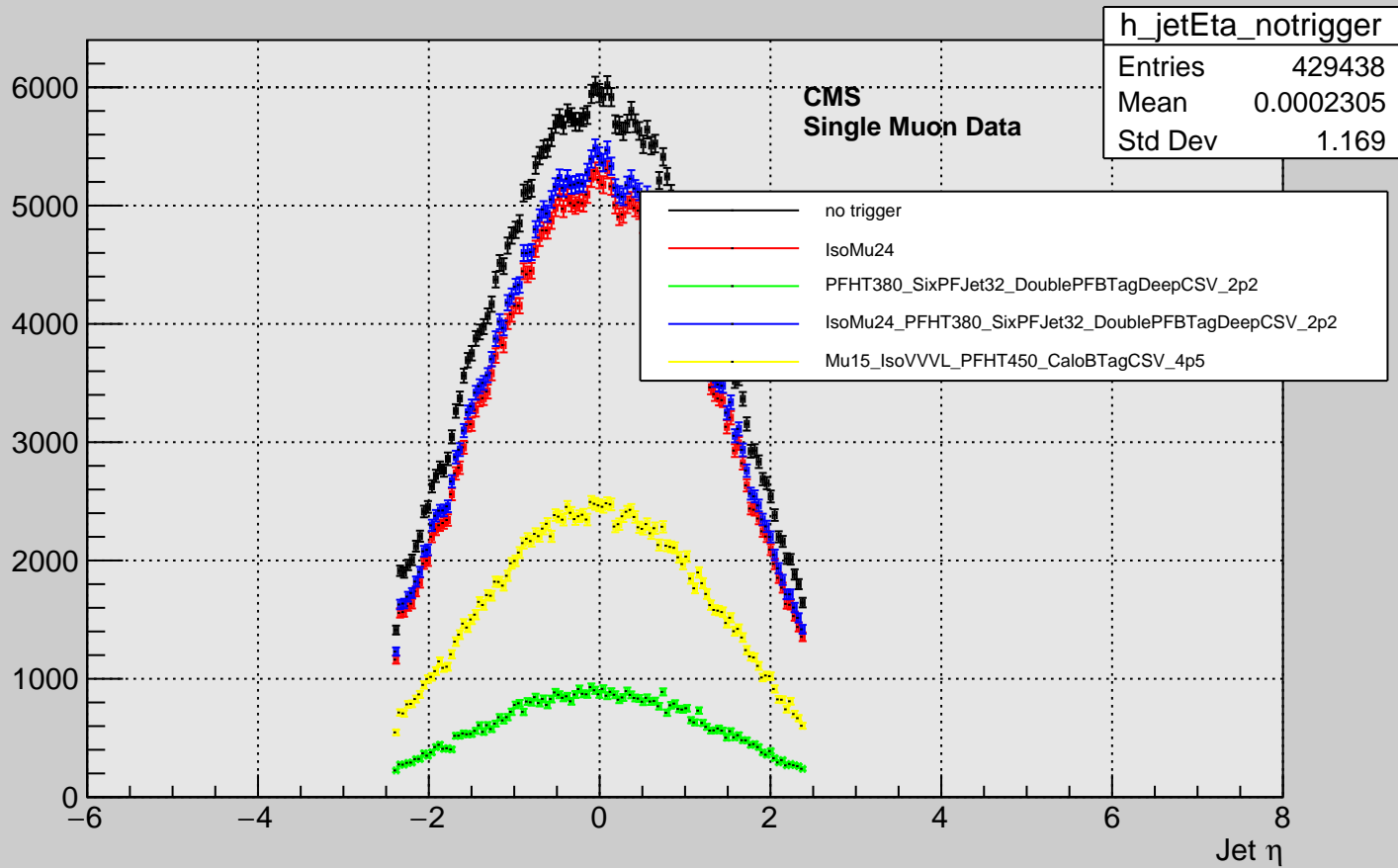
Mean 71.59

Std Dev 47.67

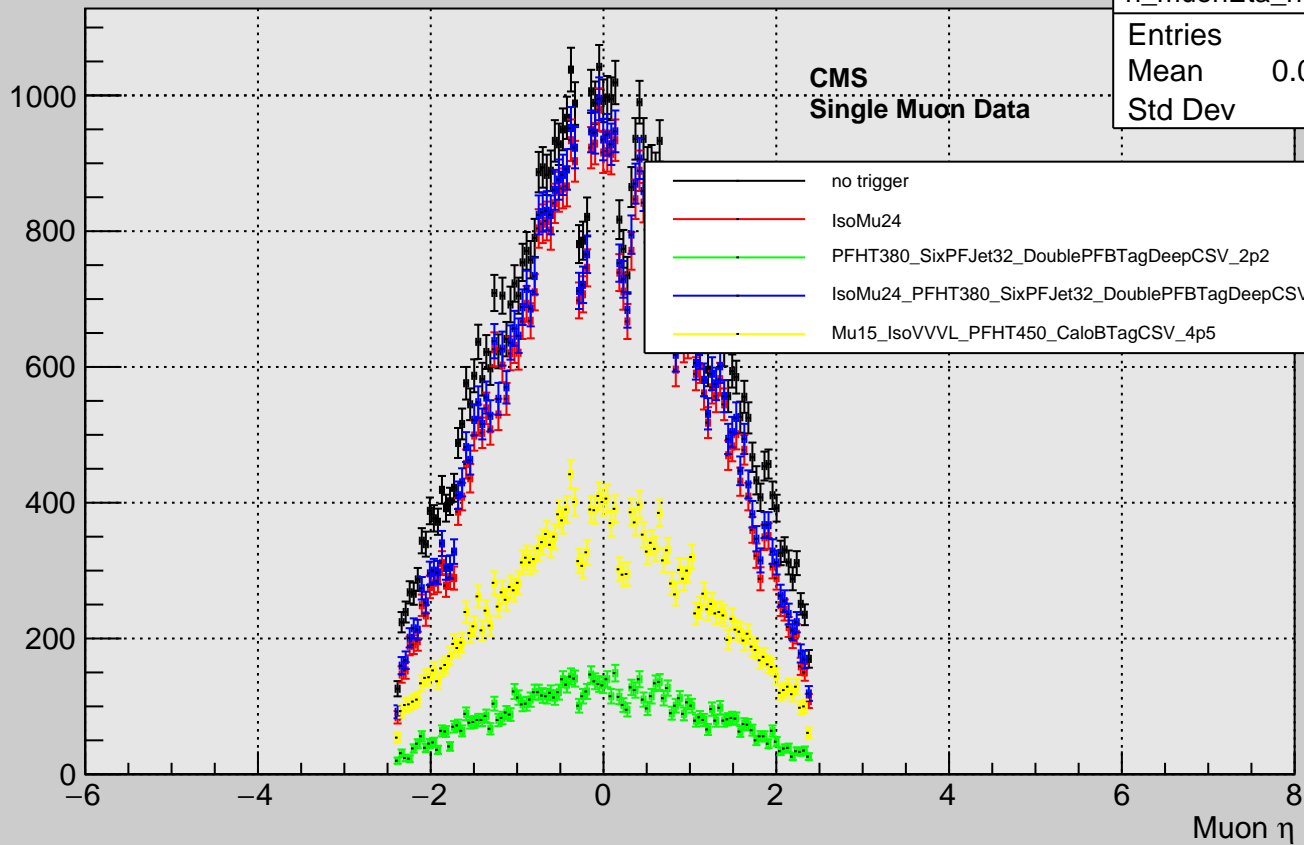




Number of Events per $\delta\eta = 0.046$



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



h_muonEta_notrigger

Entries 66188

Mean 0.005345

Std Dev 1.143

