

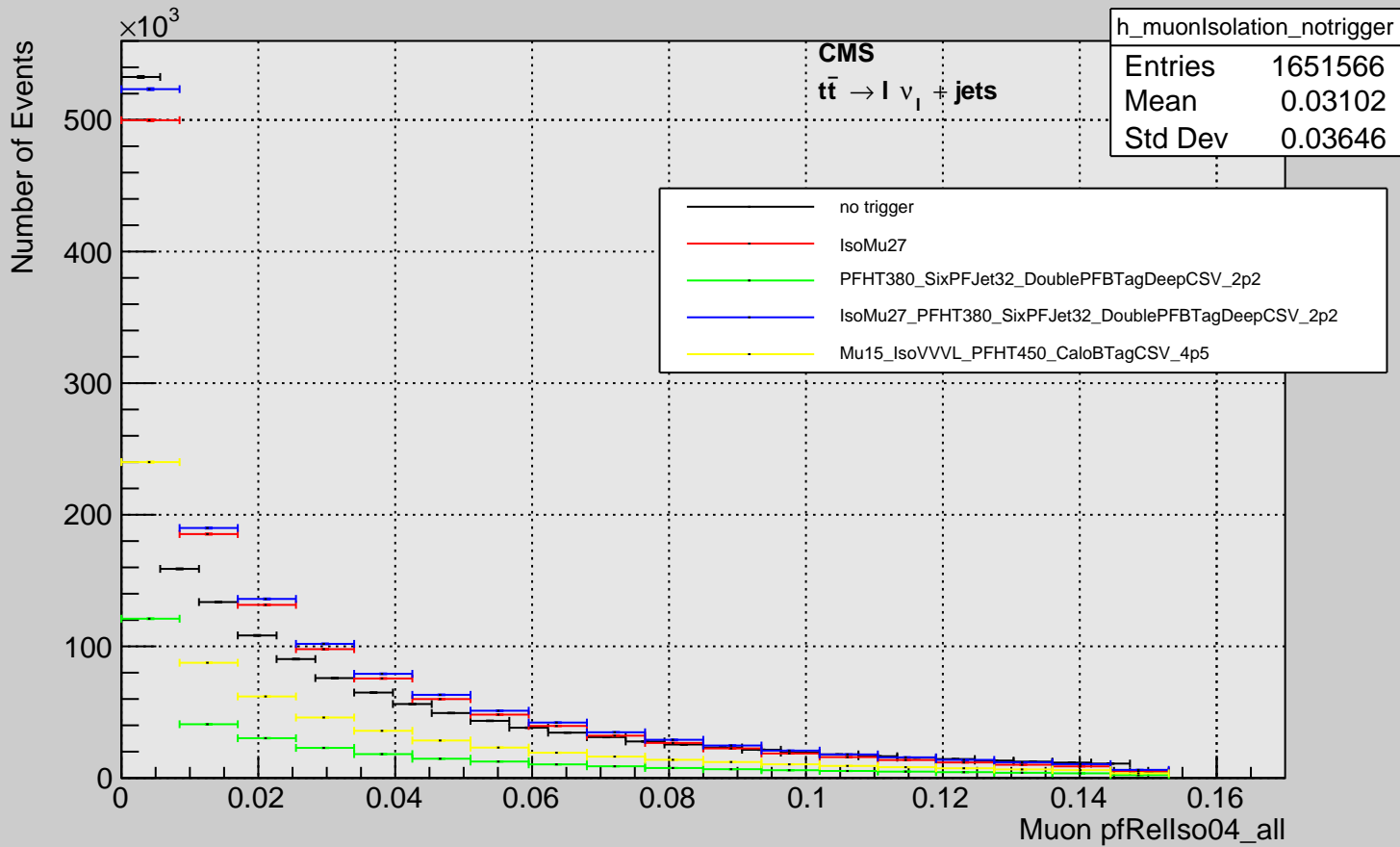
### On-line (pre-)selection Requisites for:

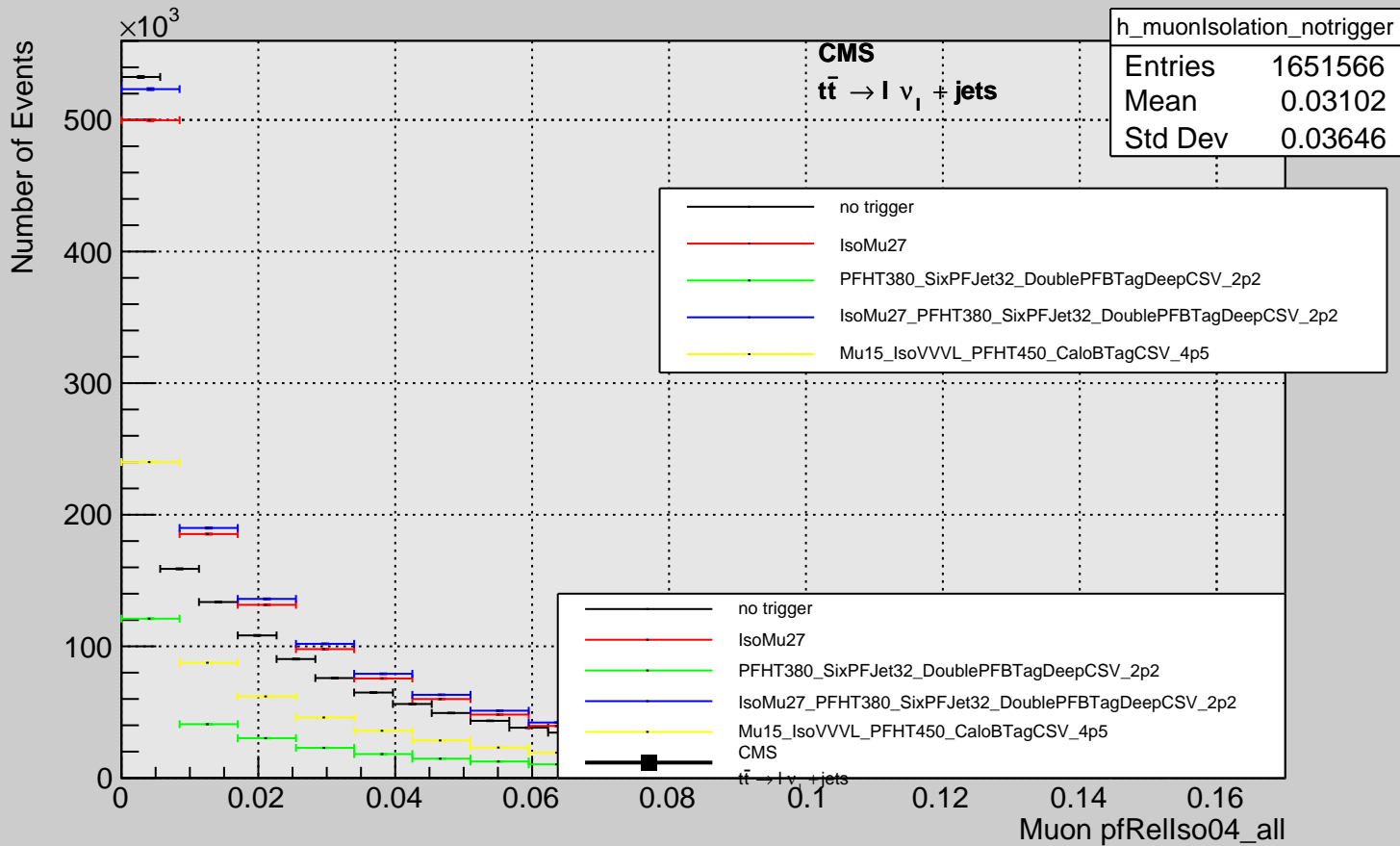
- **Jets:** number  $> 5$
- **Muons plus Electrons:** number  $> 0$

**Event Limit:** None (see last page)

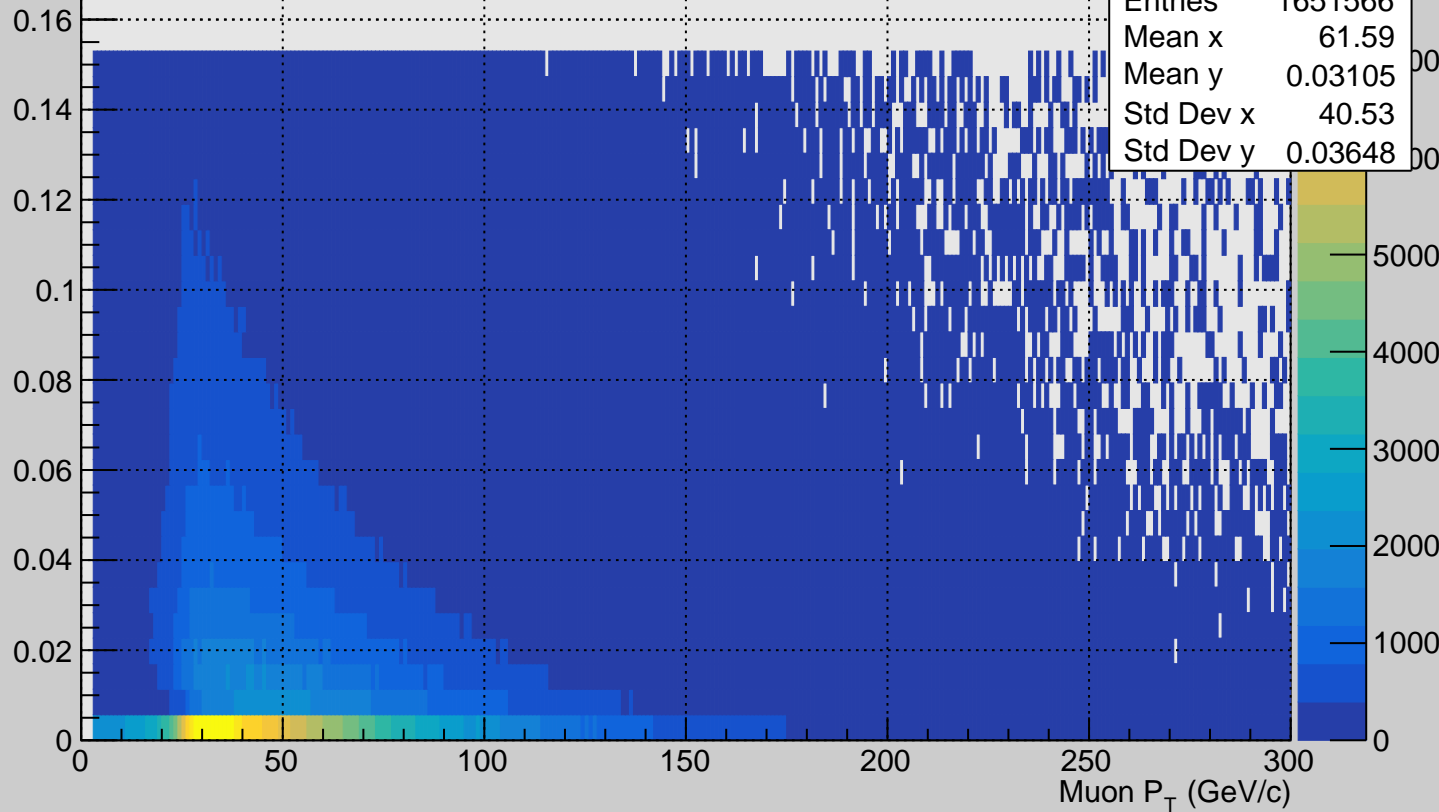
### Off-line (post-)selection Requisites for:

- **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)

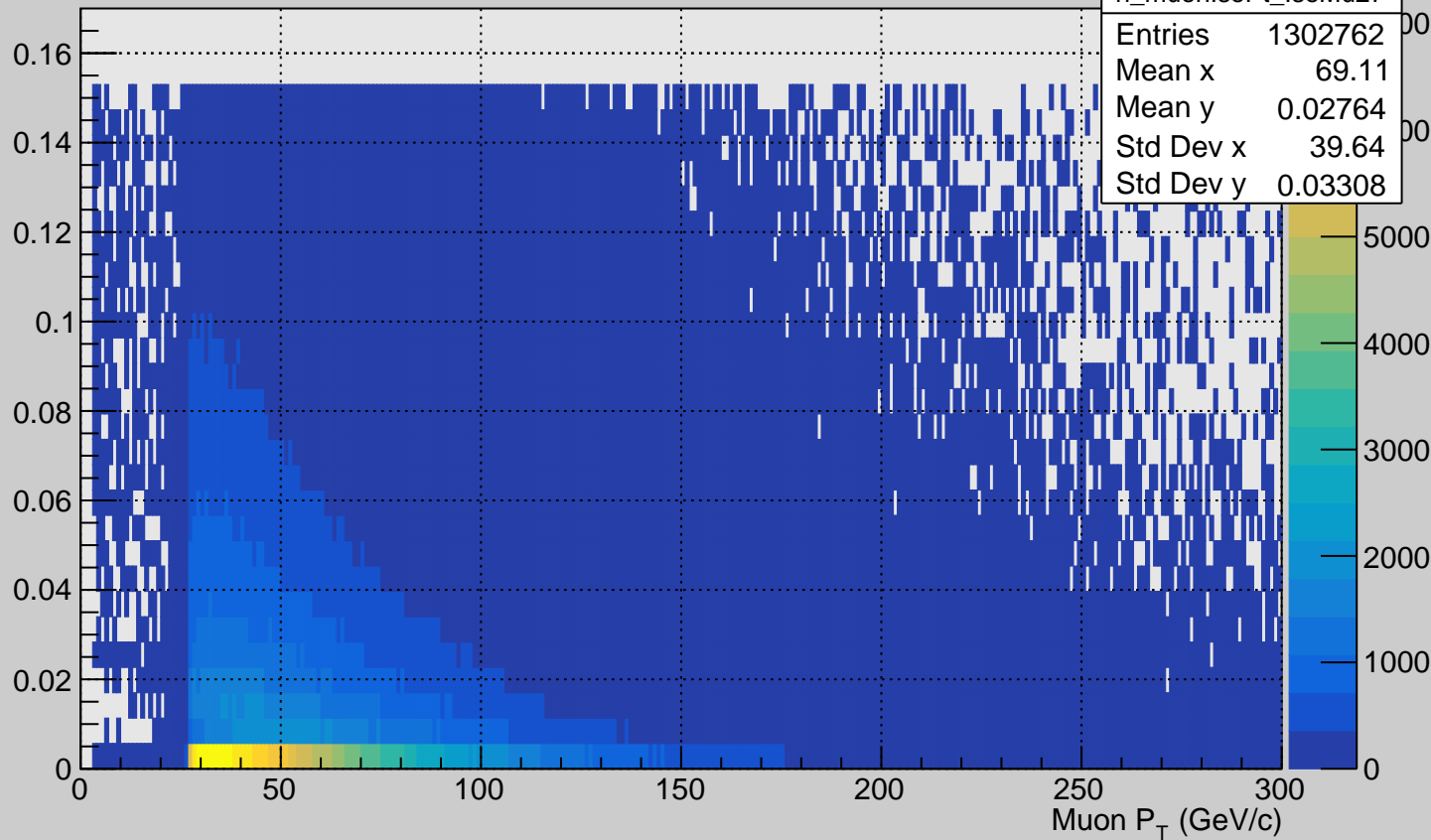




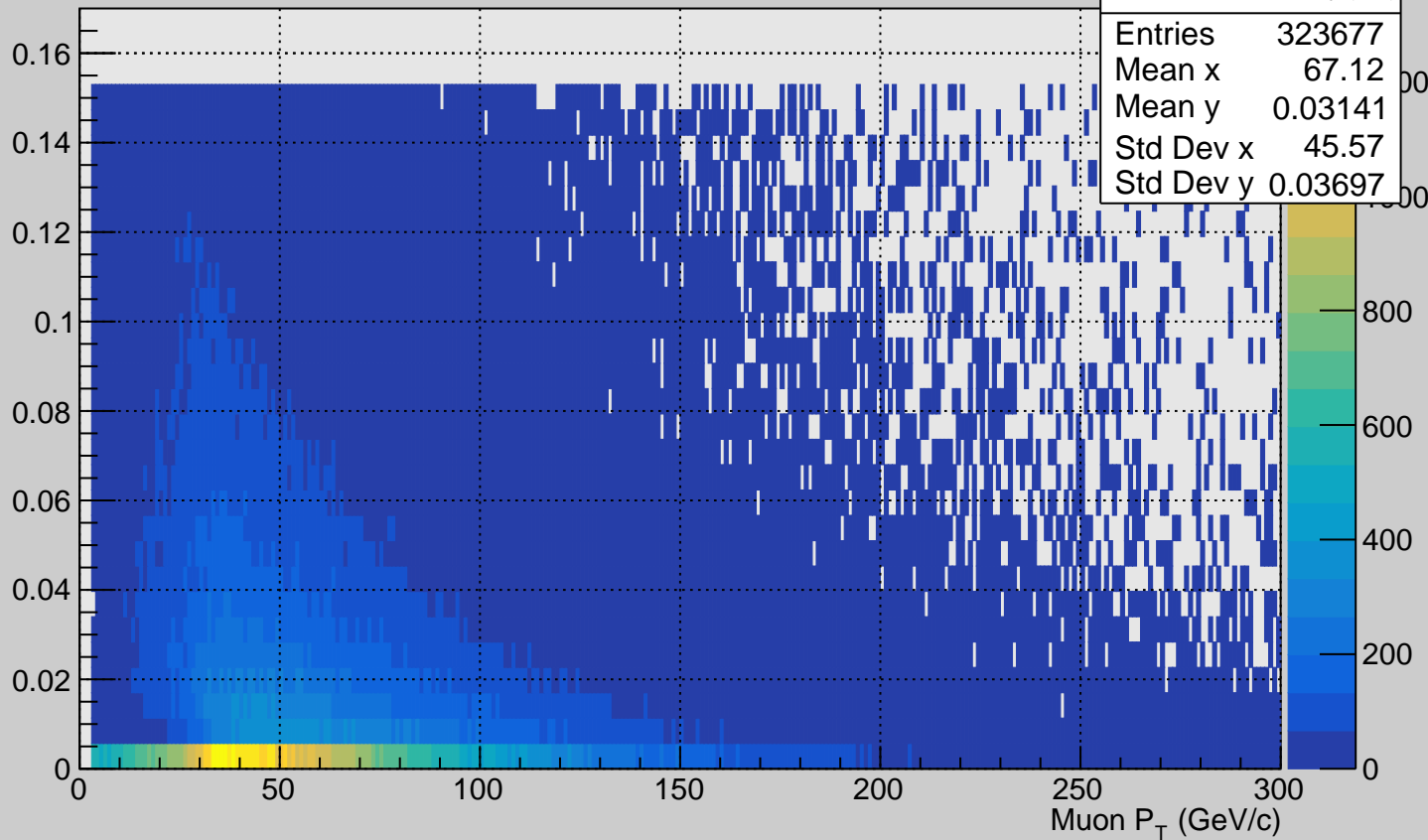
Muon pfRelIso04\_all



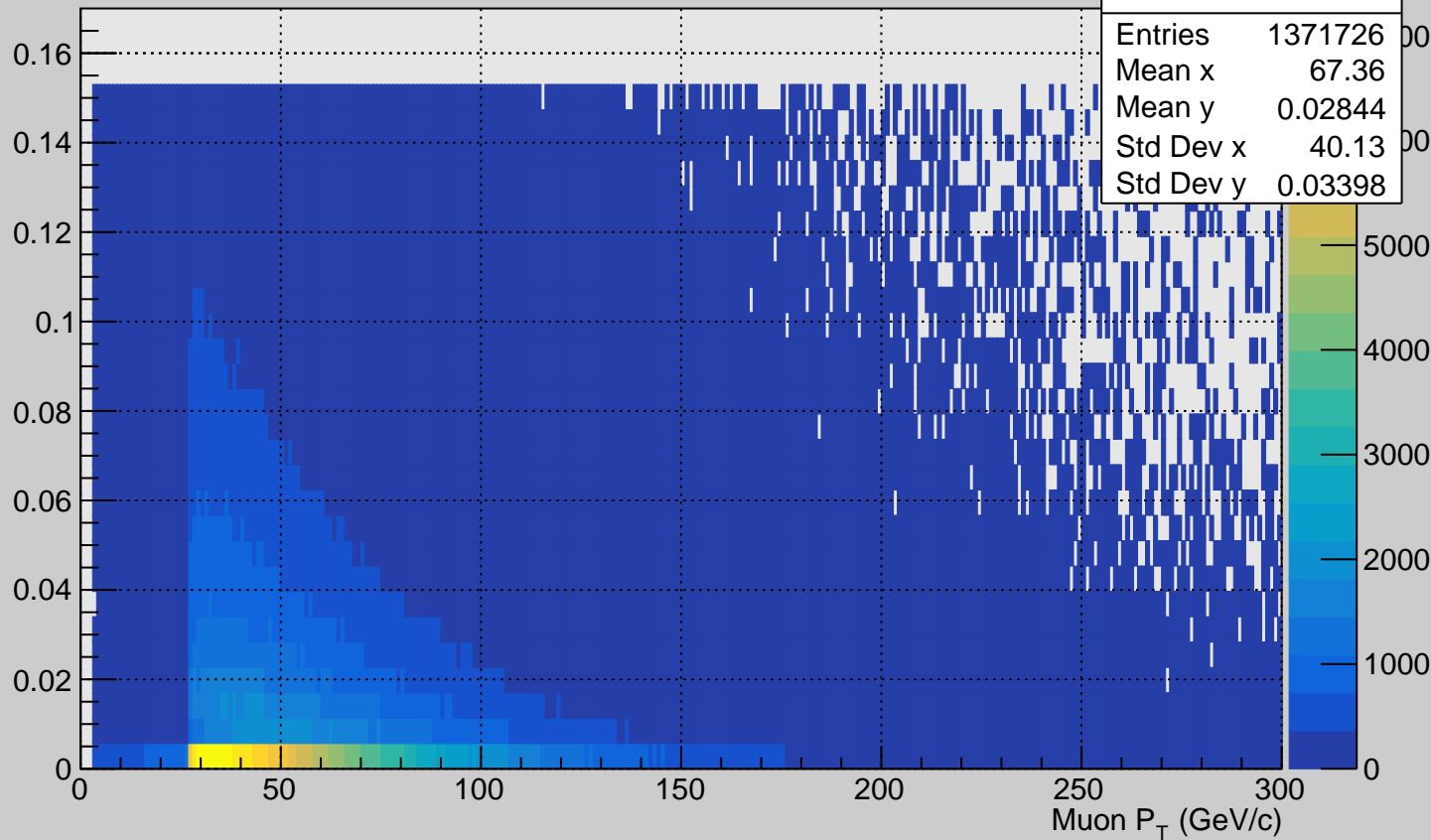
Muon pfRelIso04\_all



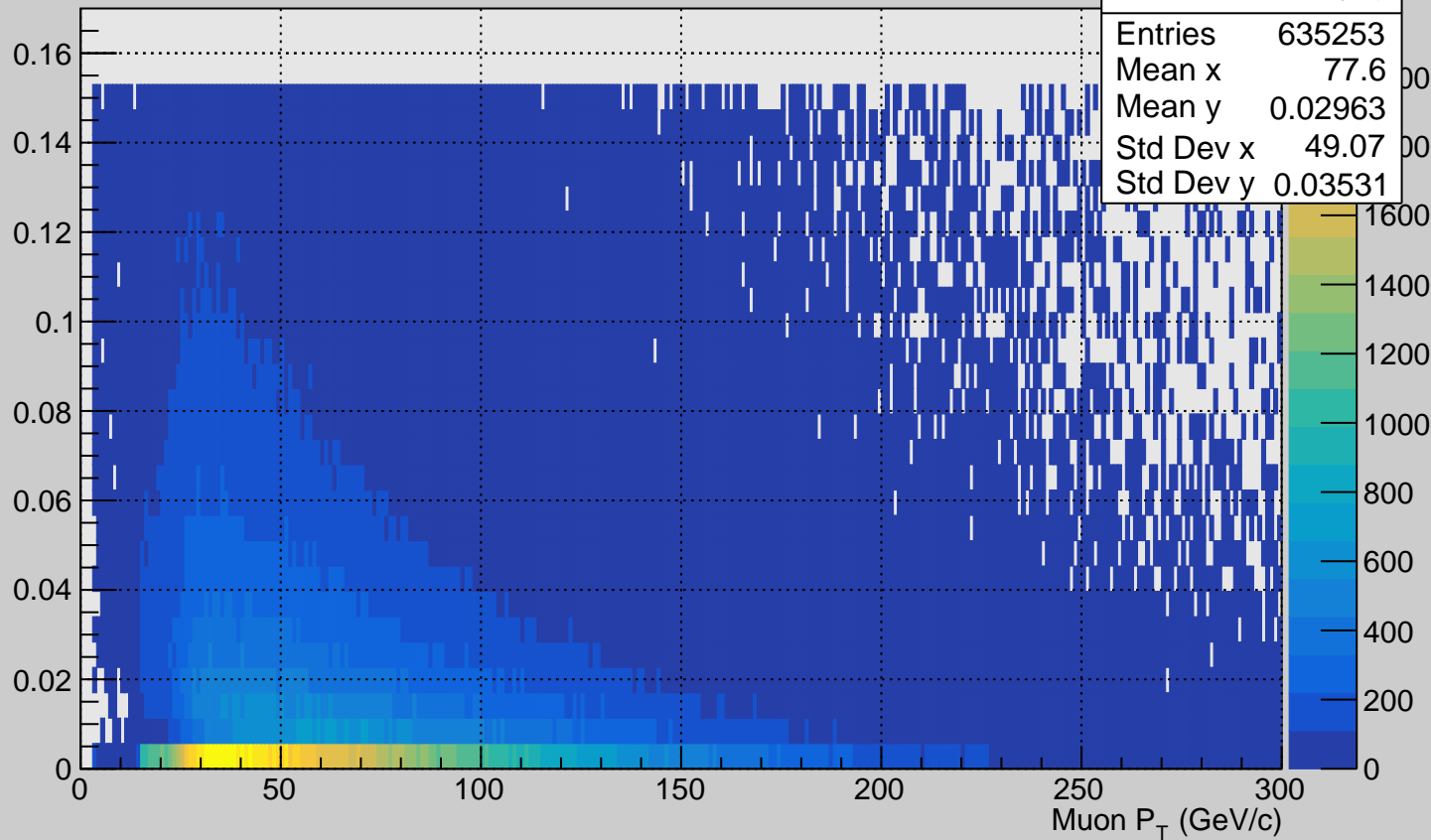
Muon pfRelIso04\_all



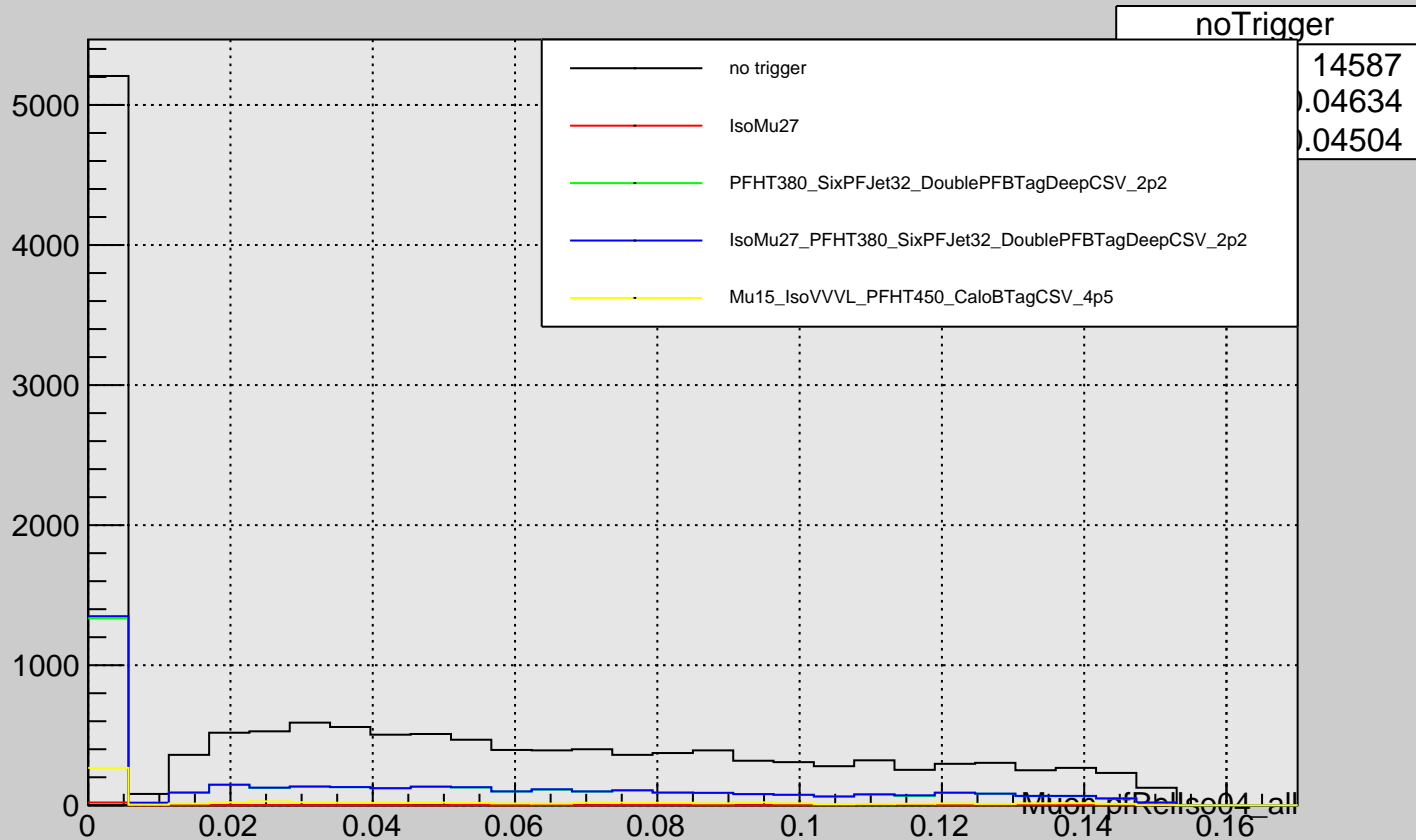
Muon pfRelIso04\_all



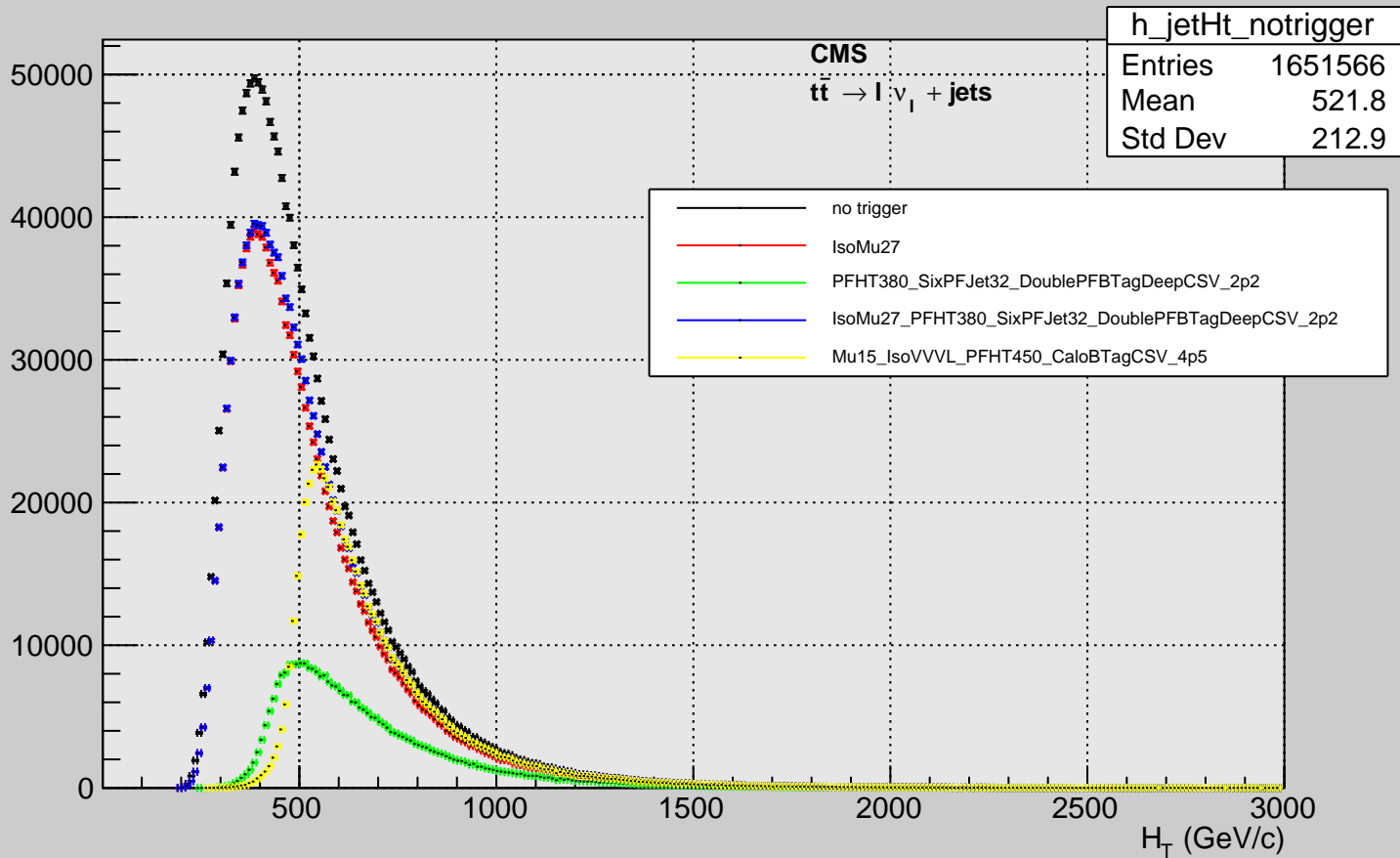
Muon pfRelIso04\_all

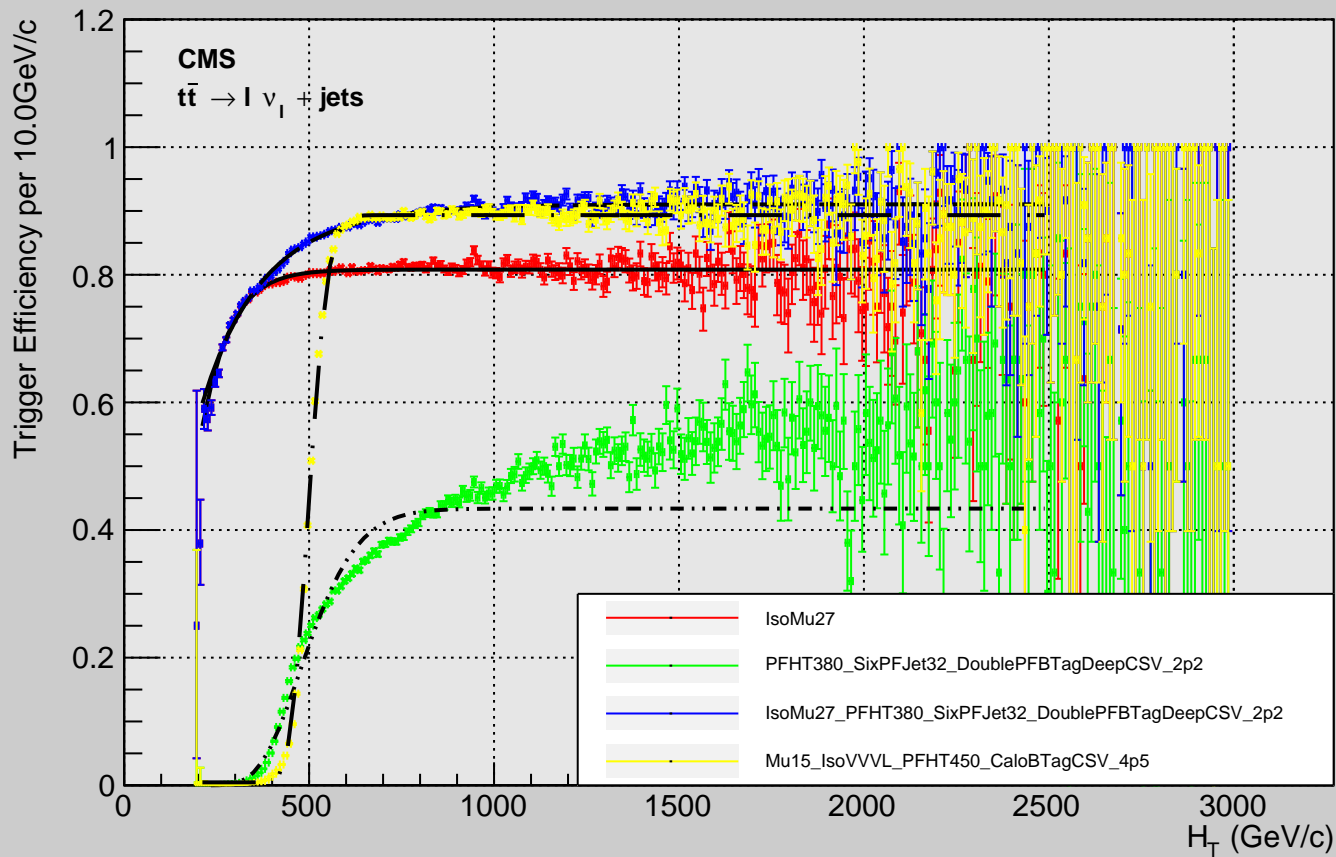




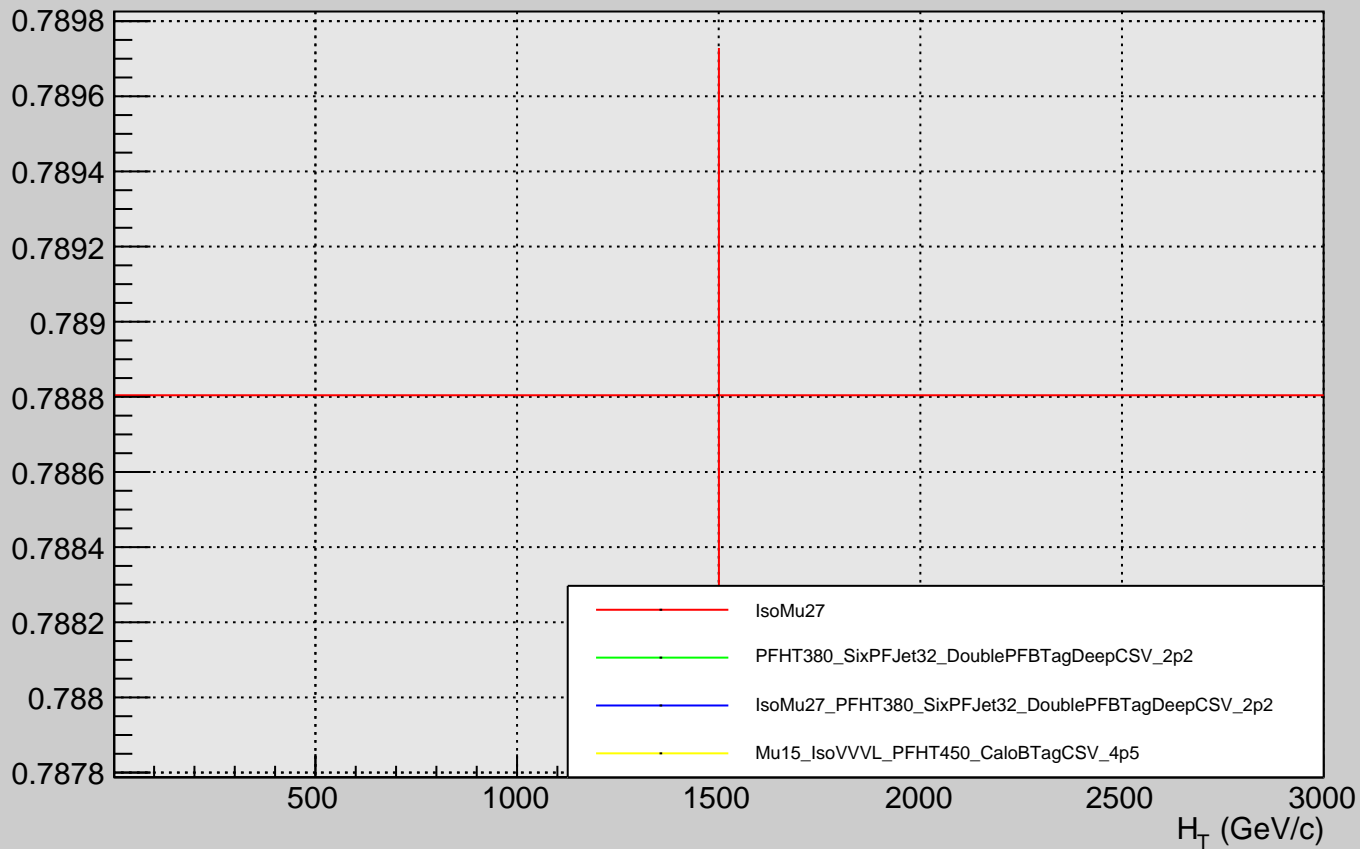


Number of Events per 10 GeV/c

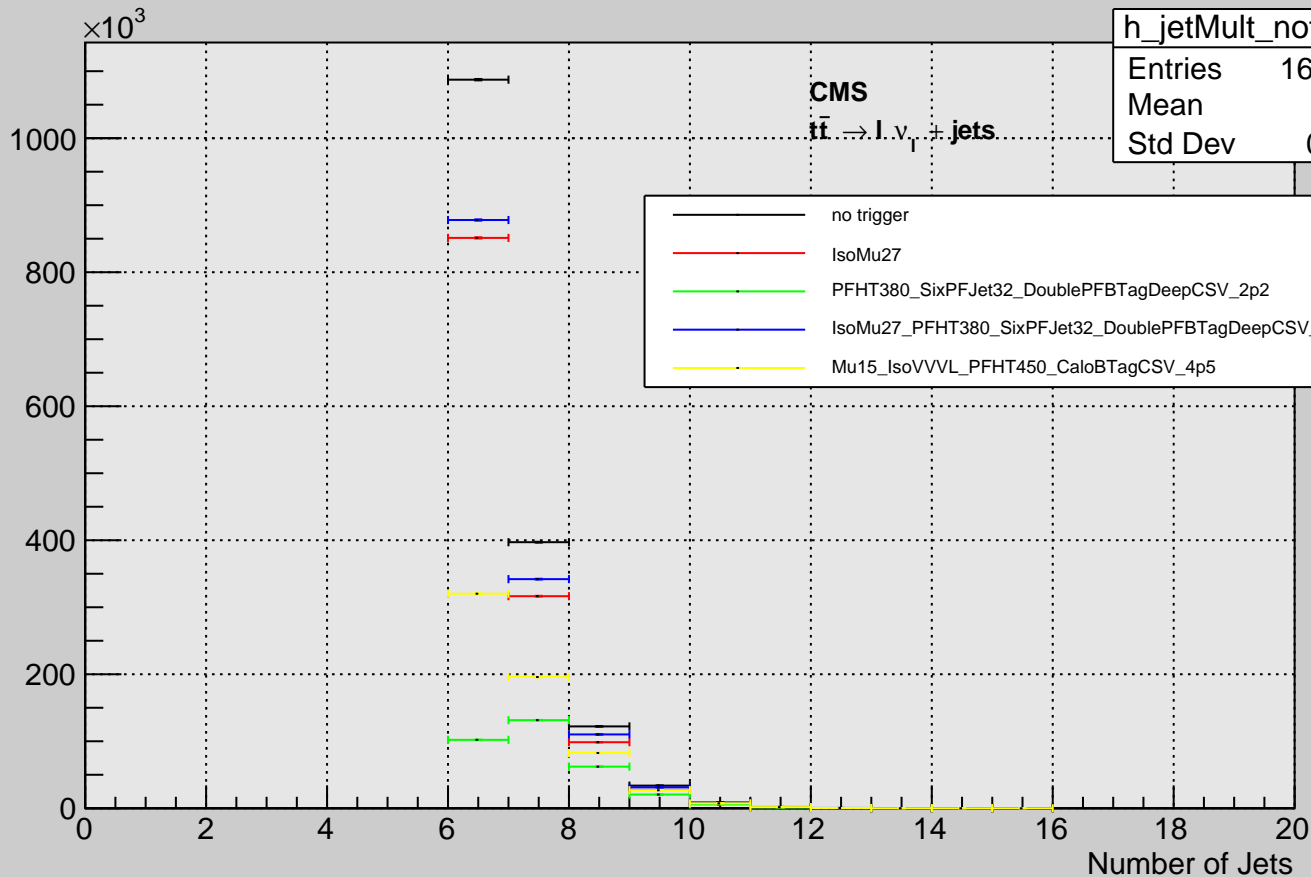


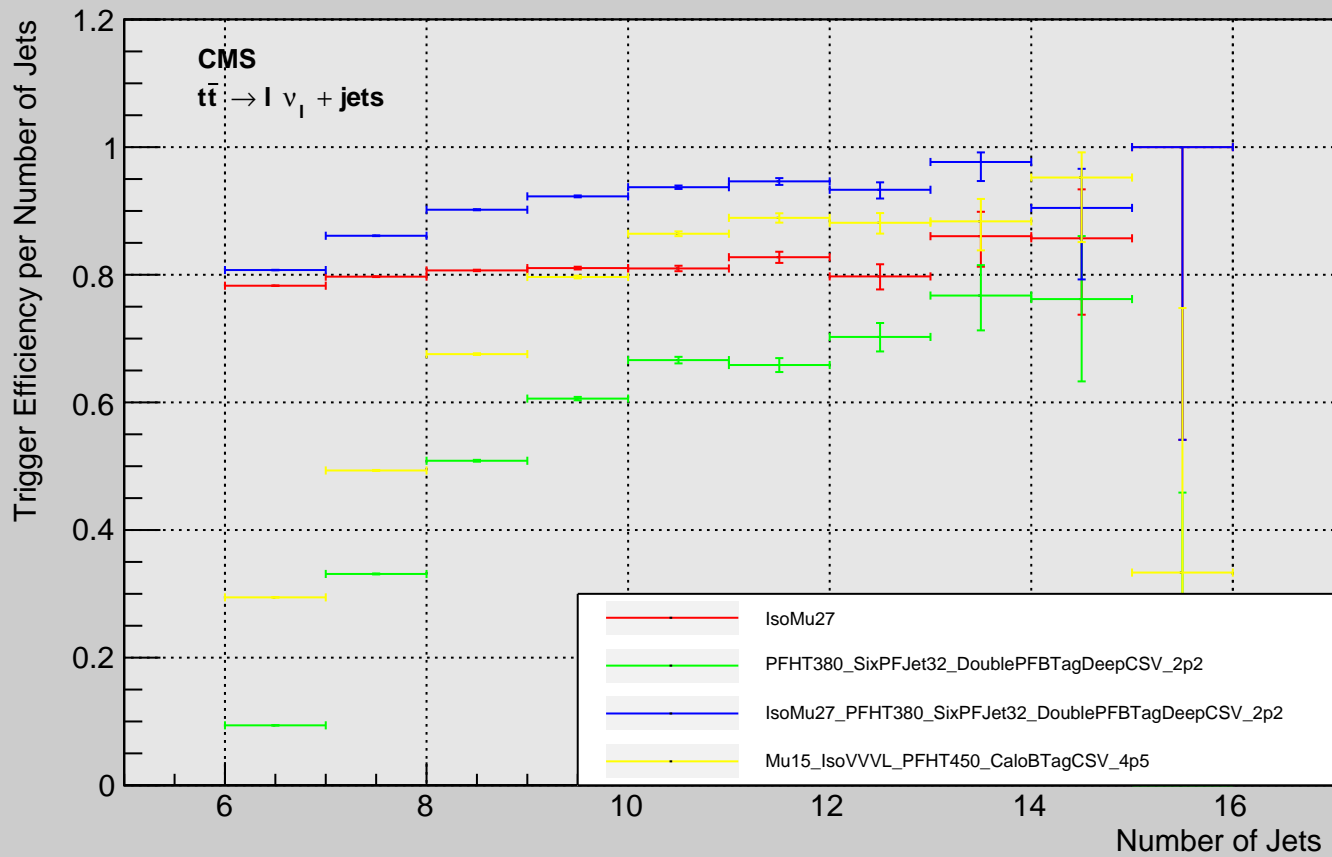


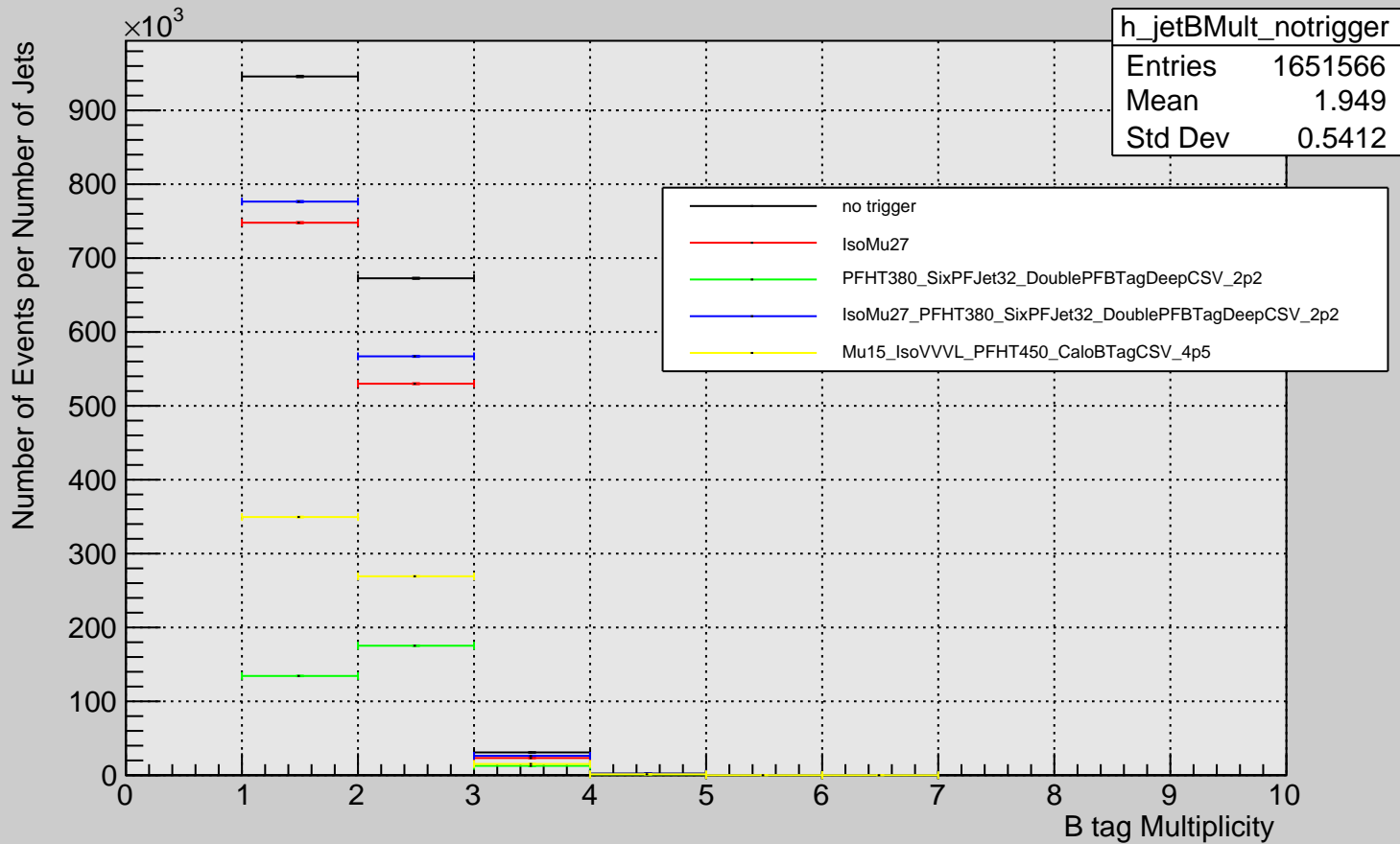
Trigger Efficiency per 2999.0 GeV/c

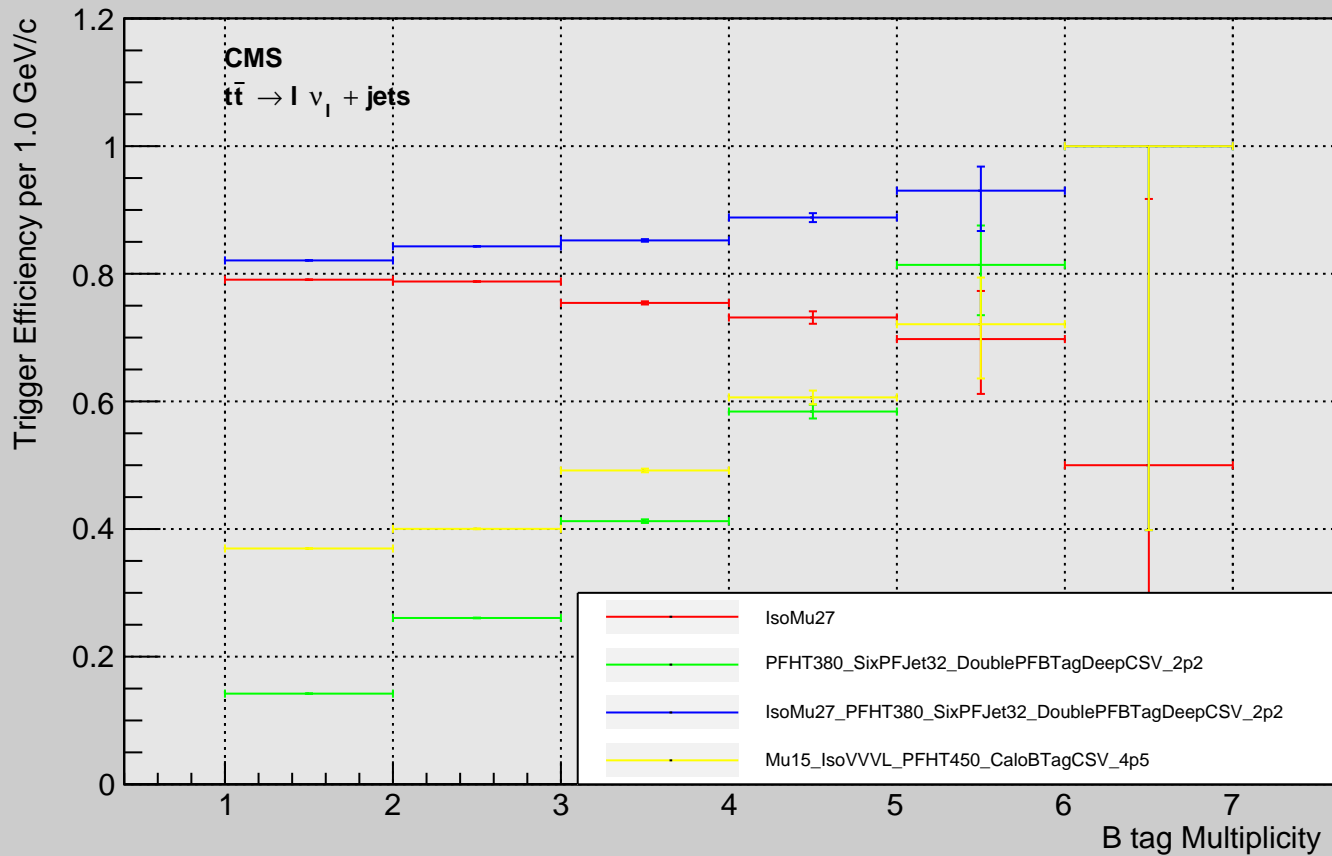


Number of Events per Number of Jets

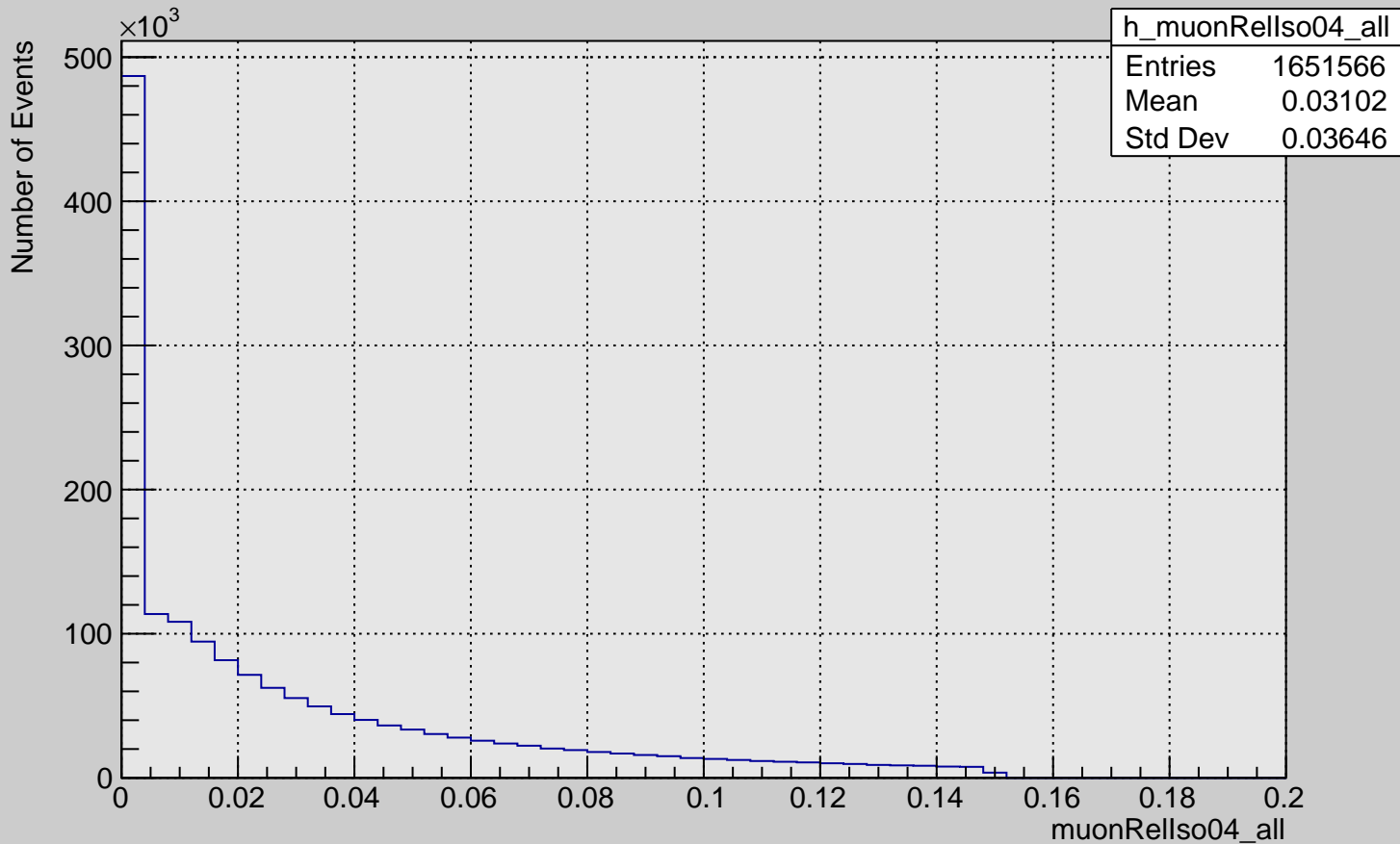




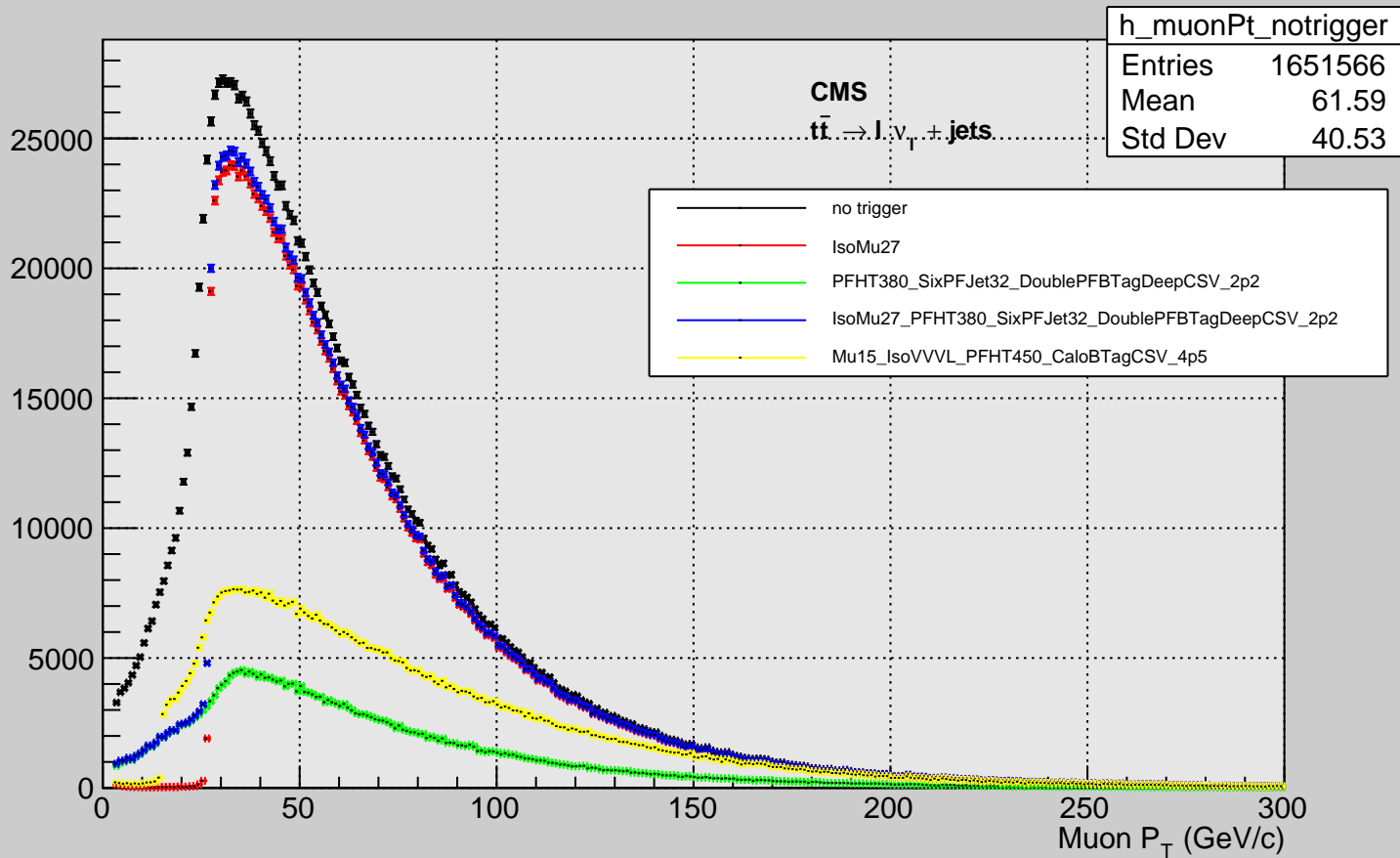




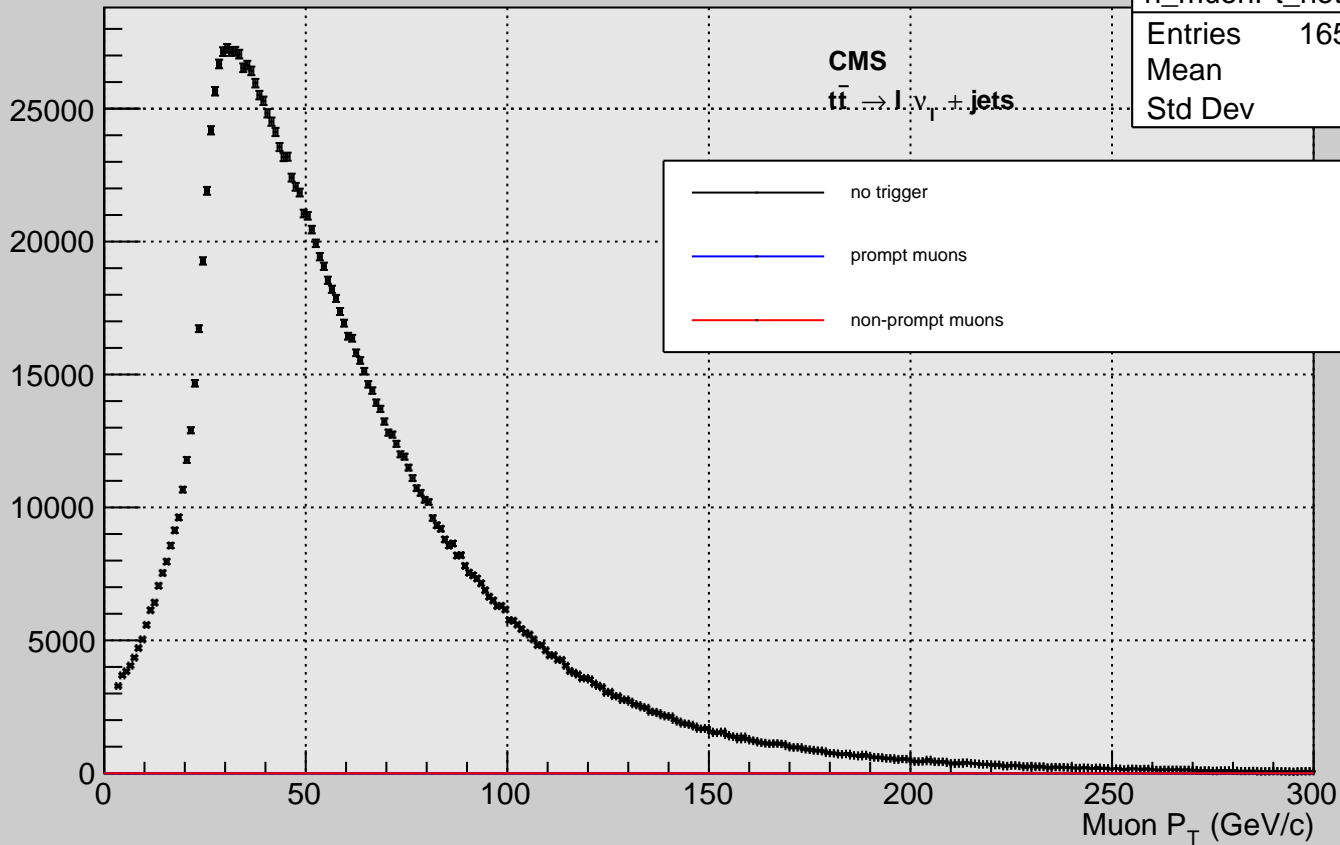




Number of Events per 1 GeV/c



Number of Events per 1 GeV/c

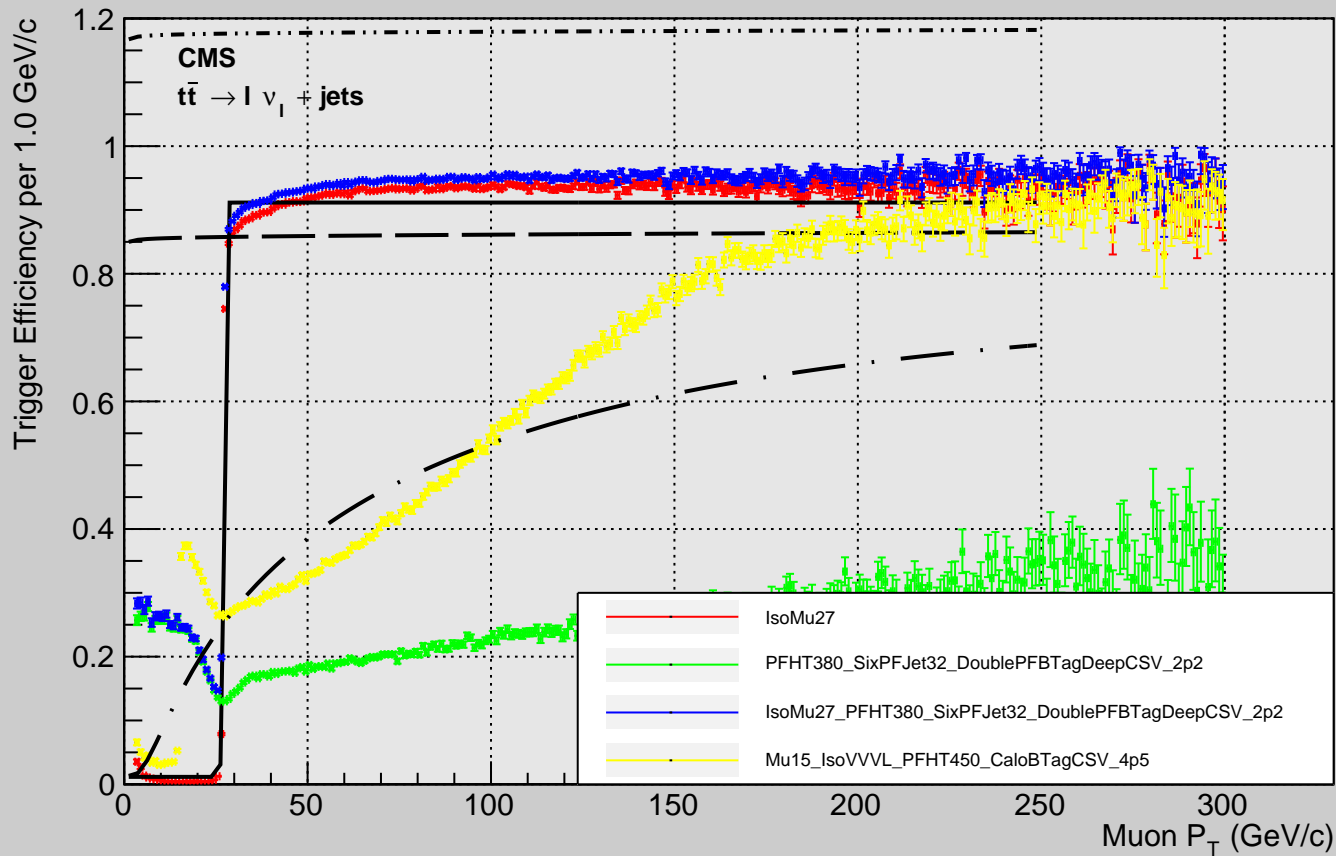


h\_muonPt\_notrigger

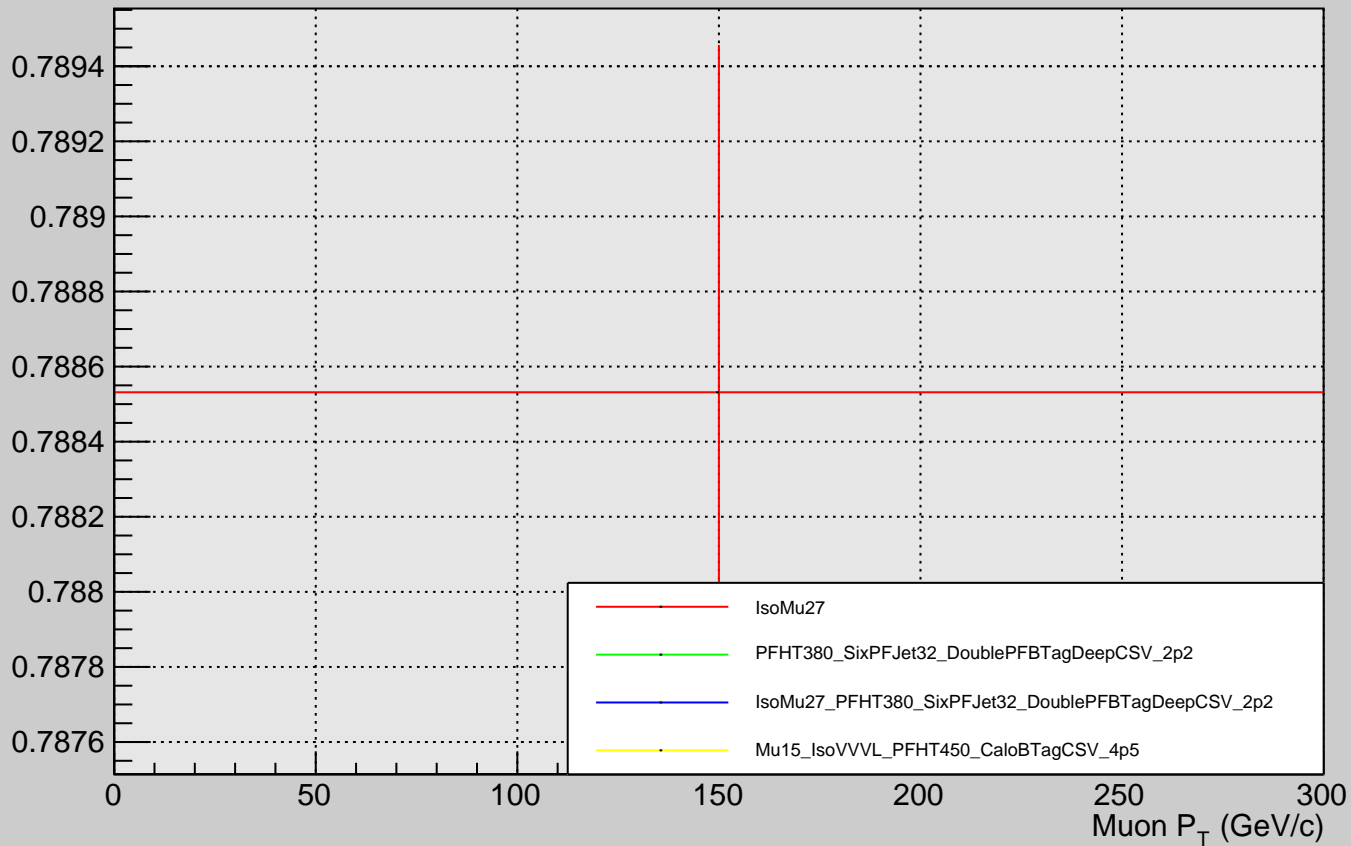
Entries 1651566

Mean 61.59

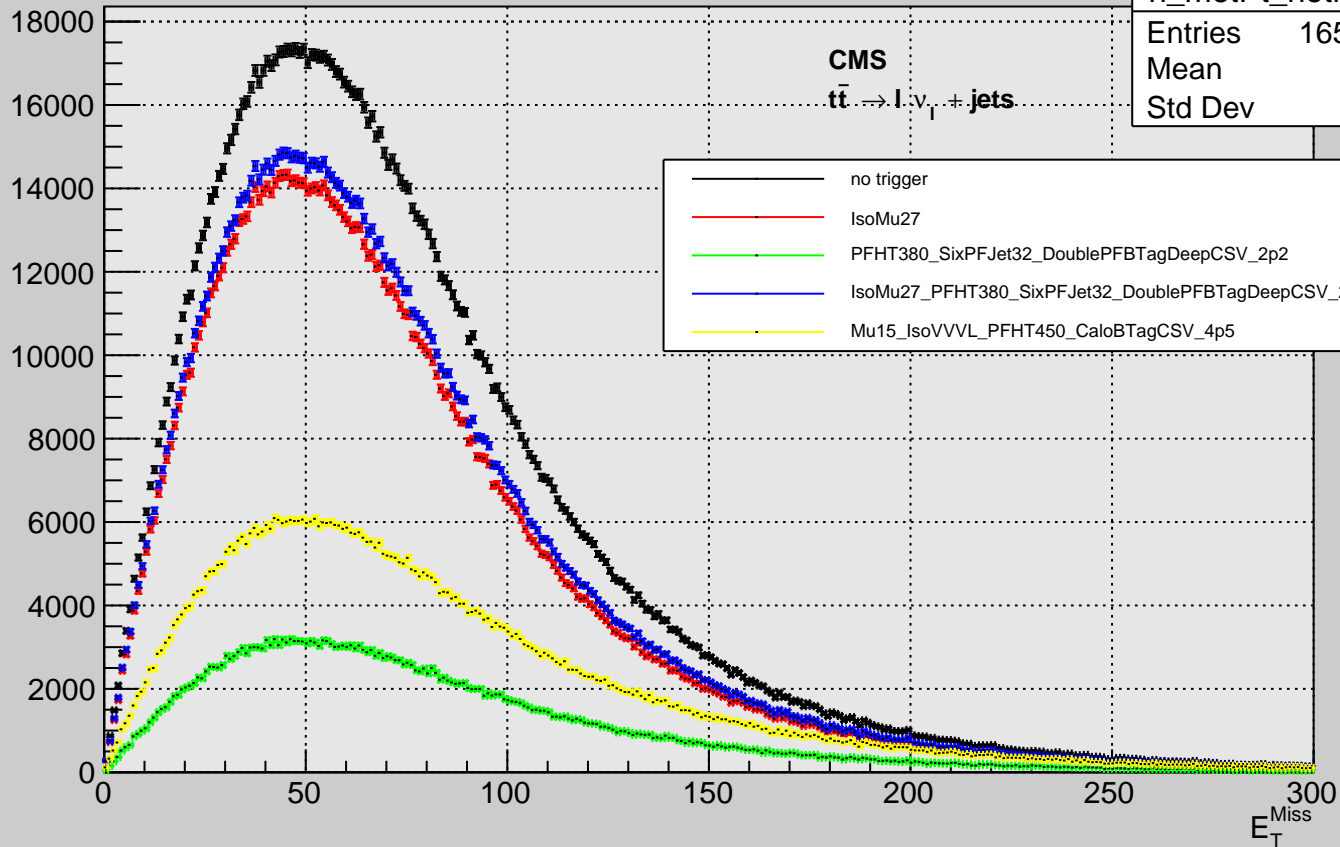
Std Dev 40.53



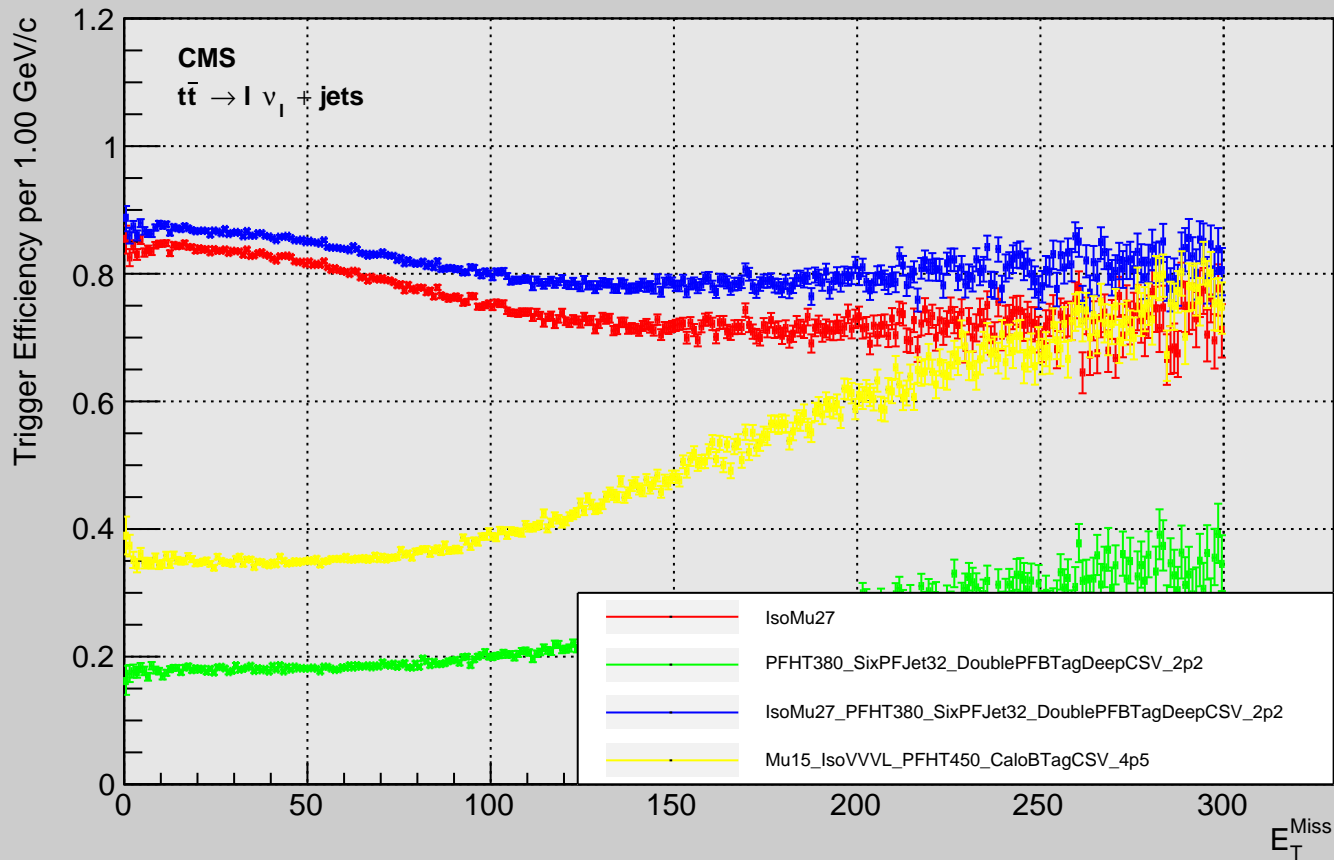
Trigger Efficiency per 300.00 GeV/c

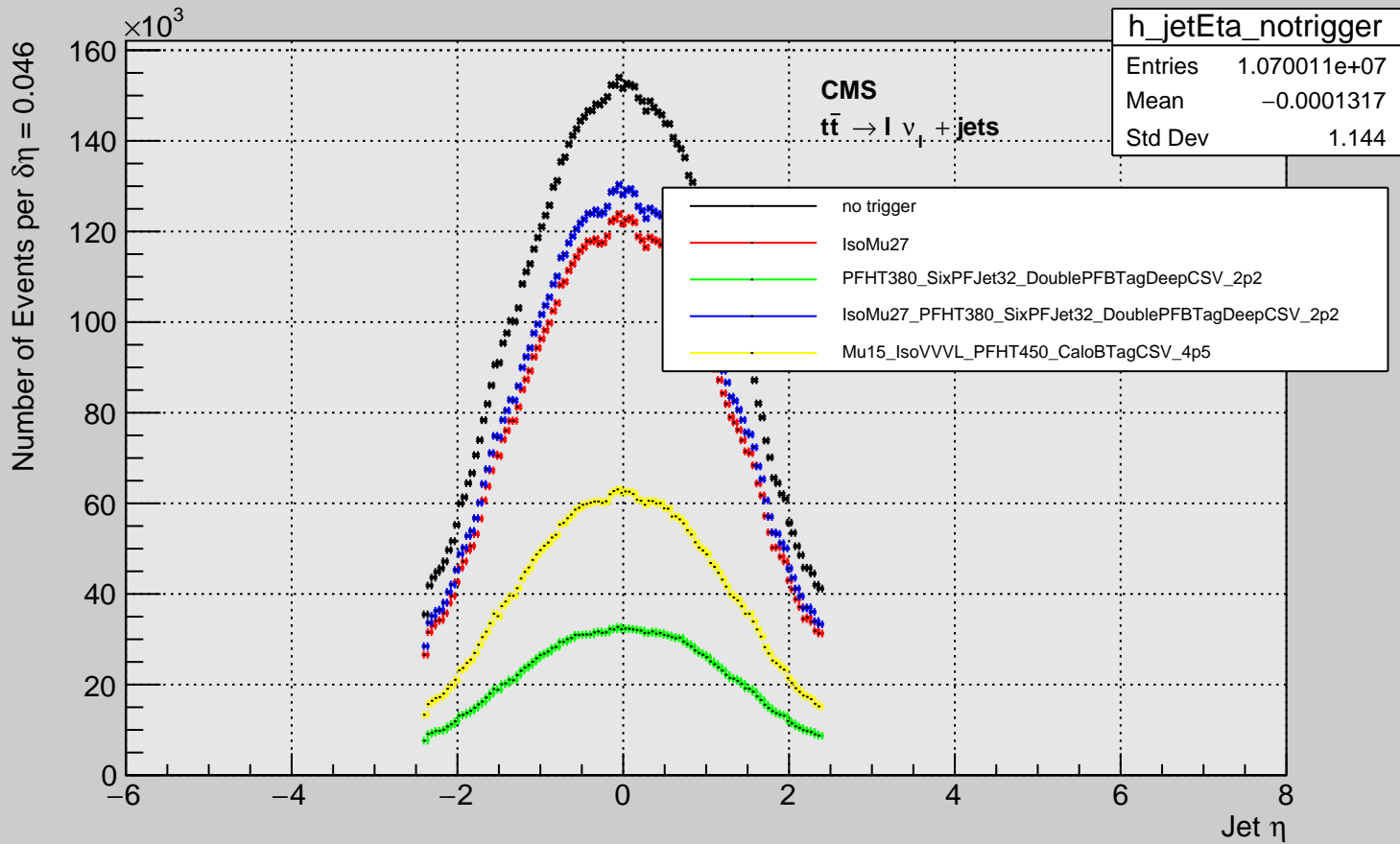


Number of Events per 1 GeV/c



h_metPt_notrigger	
Entries	1651566
Mean	74.35
Std Dev	47.57







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

