

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

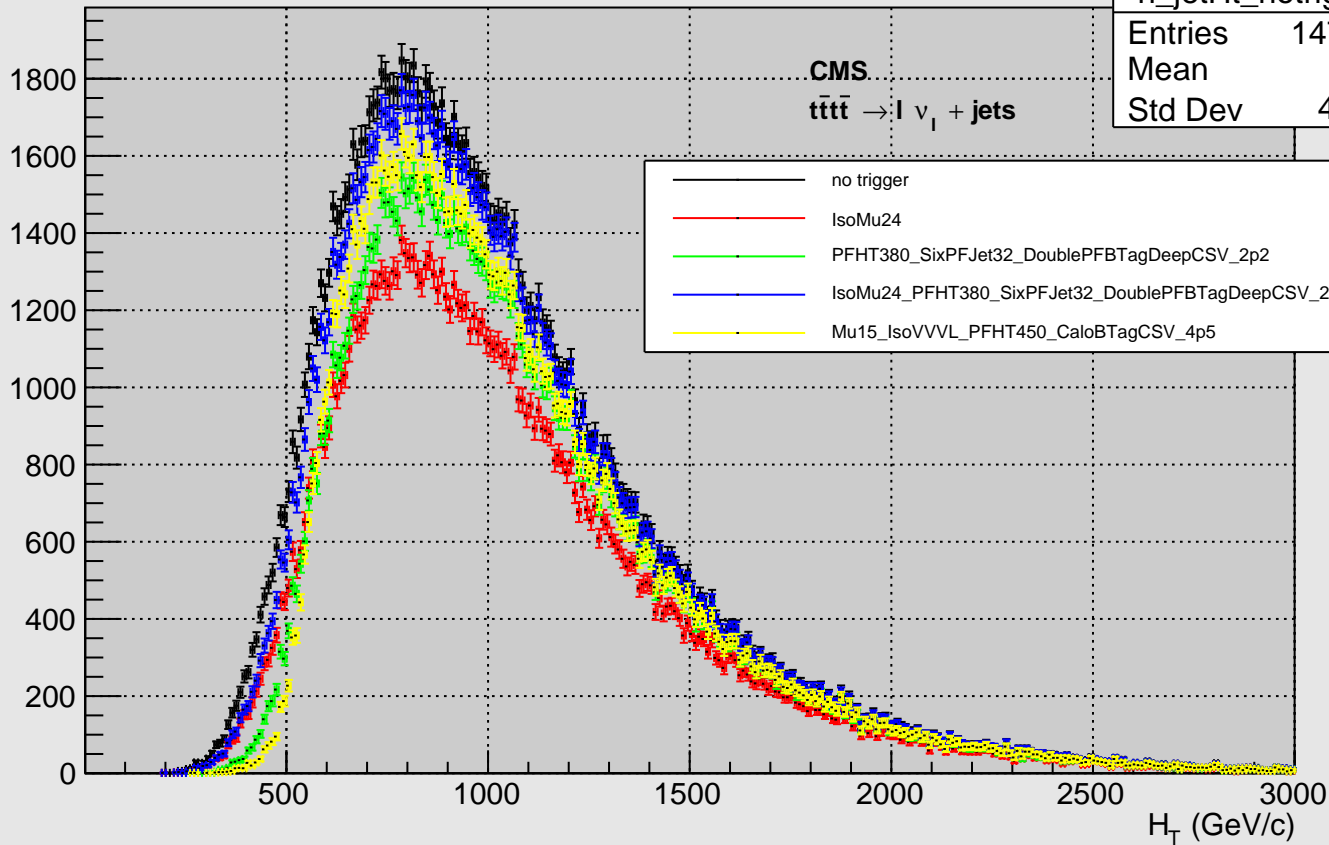
- **Jets:** number  $> 5$
- **Muons plus Electrons:** number  $> 0$

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

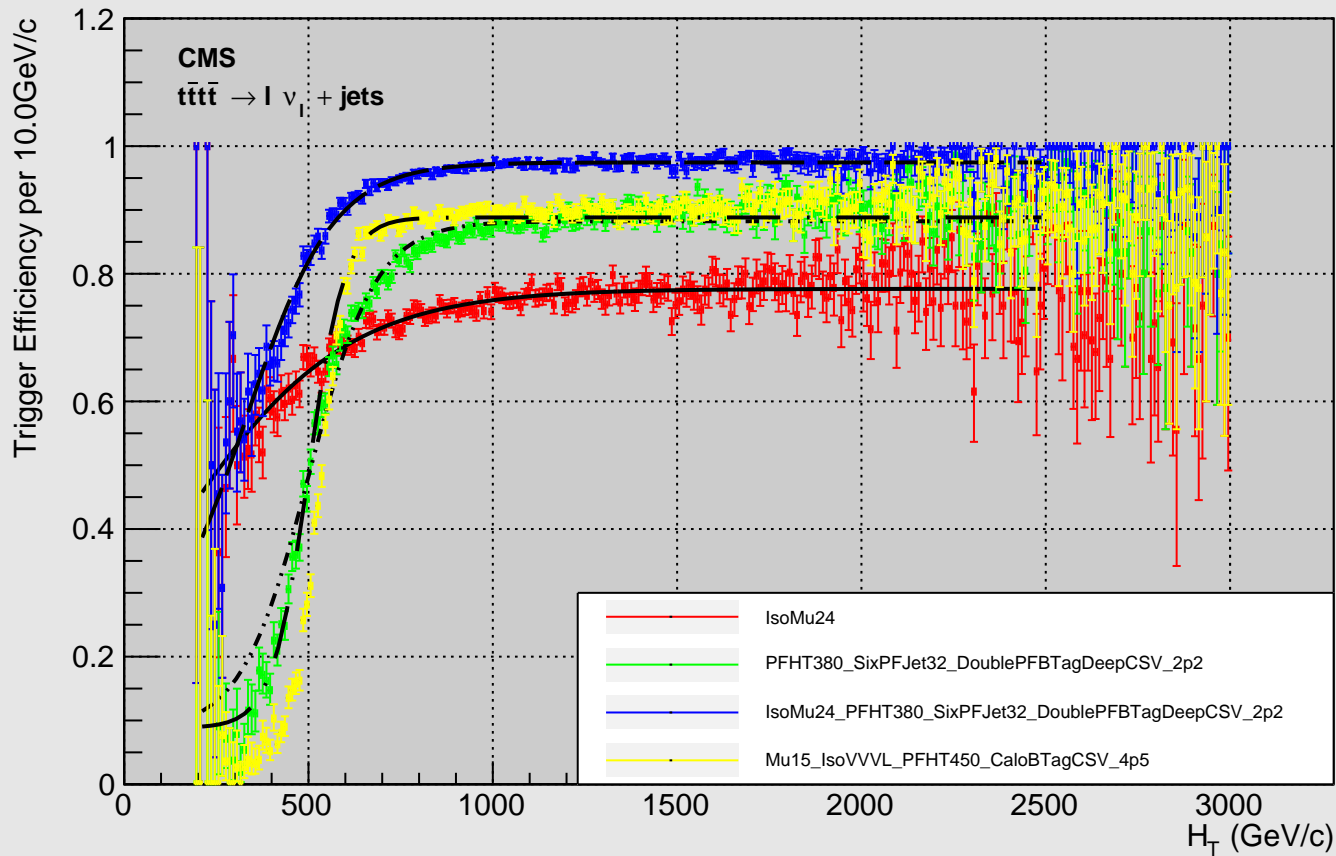
### Off-line (post-)selection Requisites for:

- **Jets:**  $\text{jetId} > 2$  ,  $p_T > 20$  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)

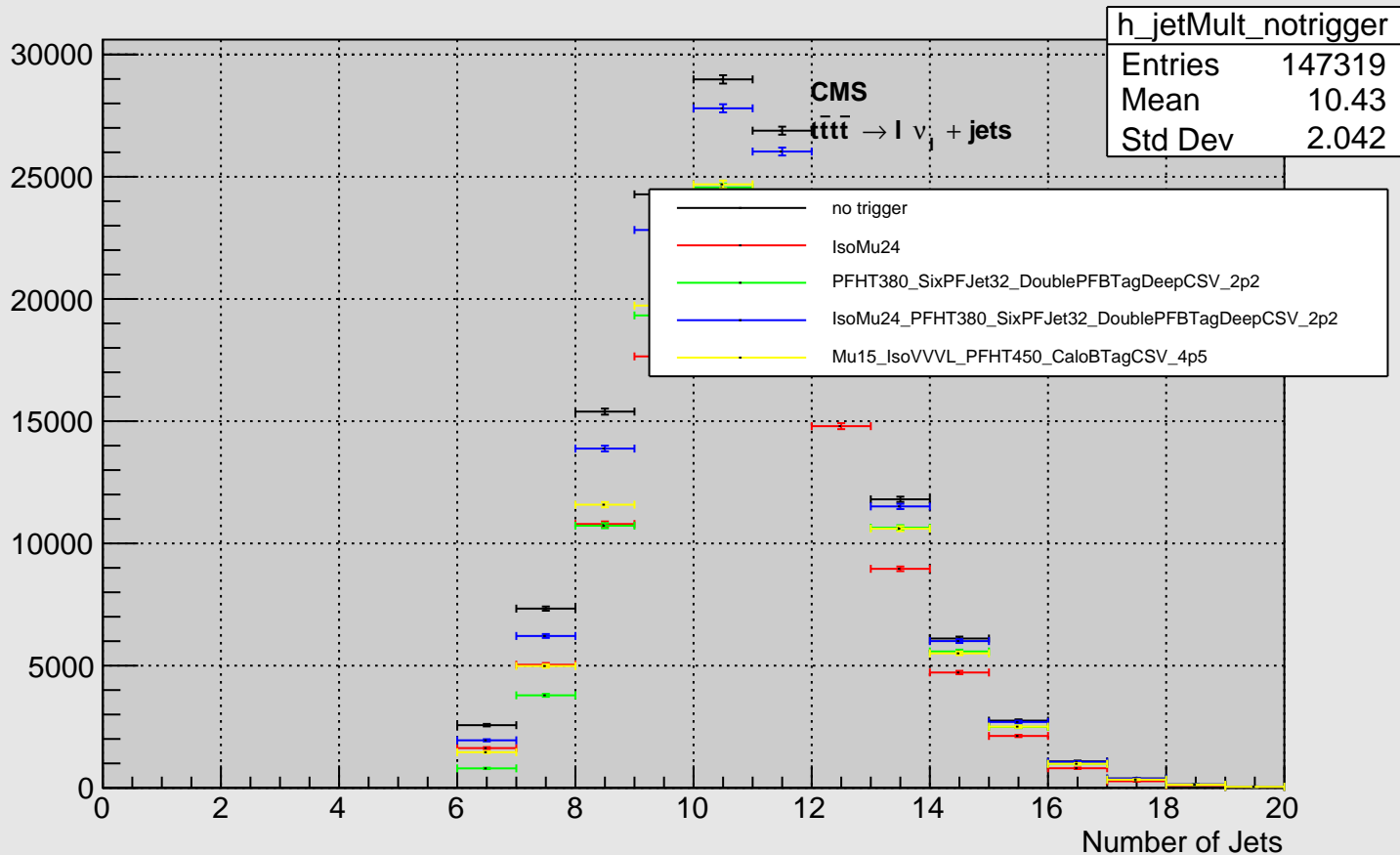
Number of Events per 10 GeV/c

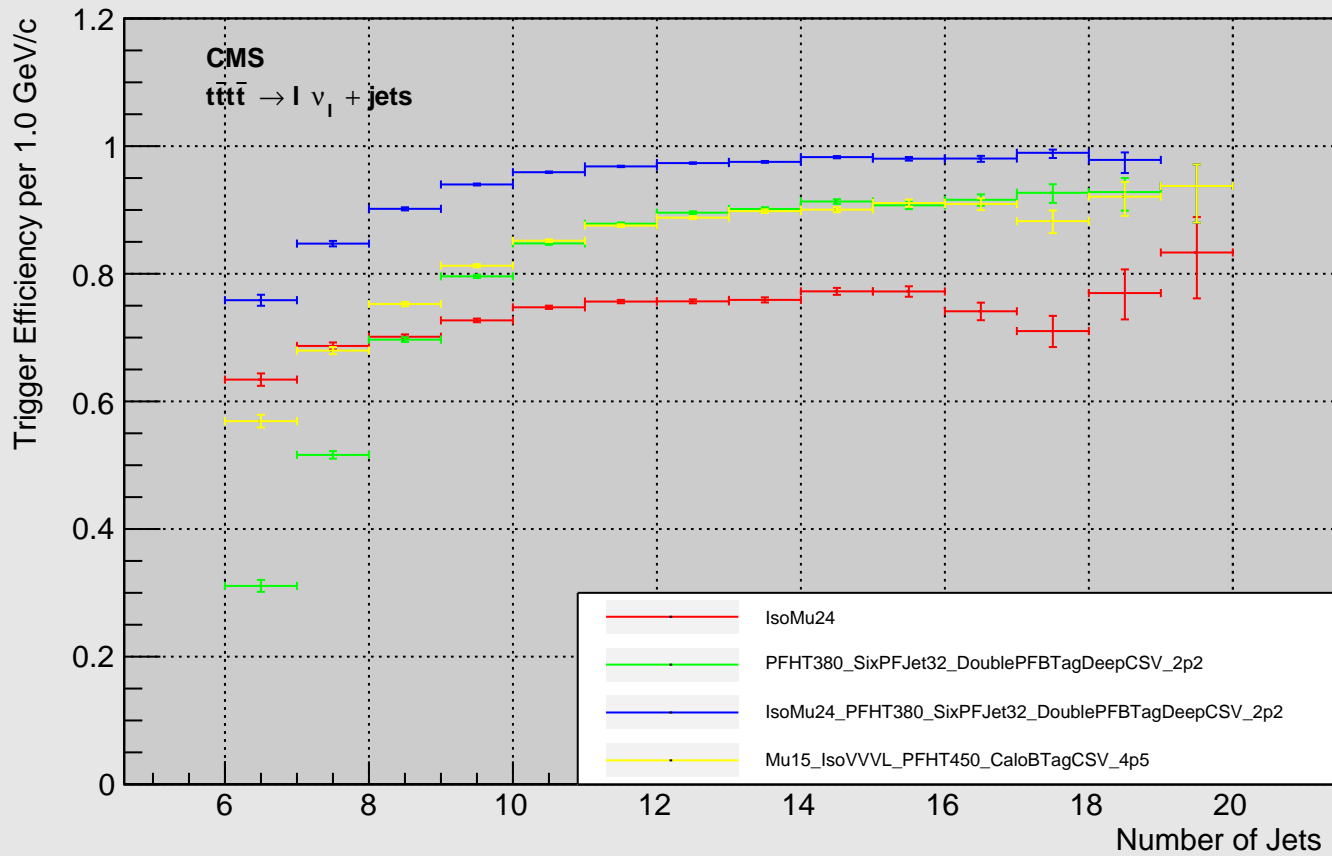


h_jetHt_notrigger	
Entries	147319
Mean	1025
Std Dev	410.8

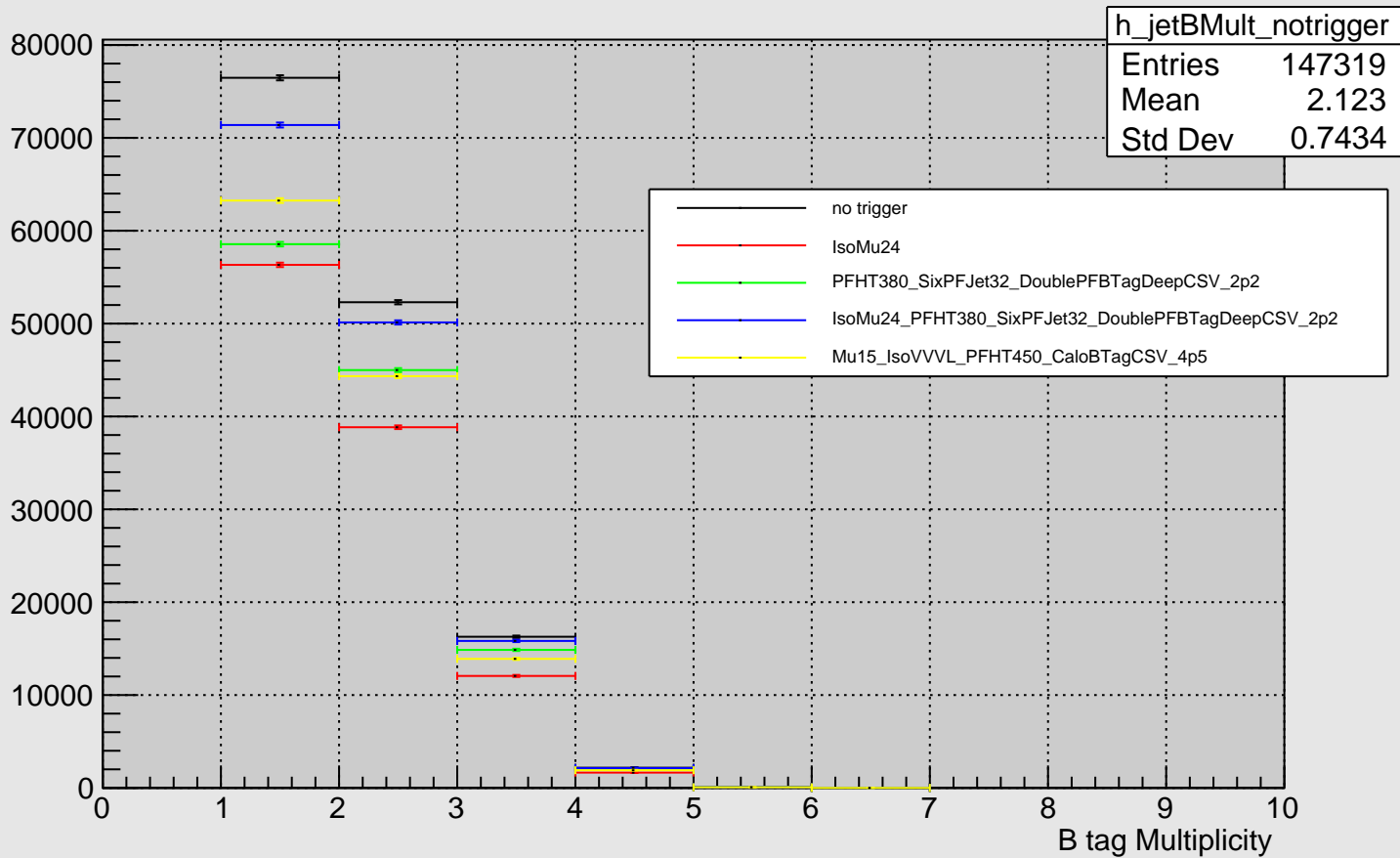


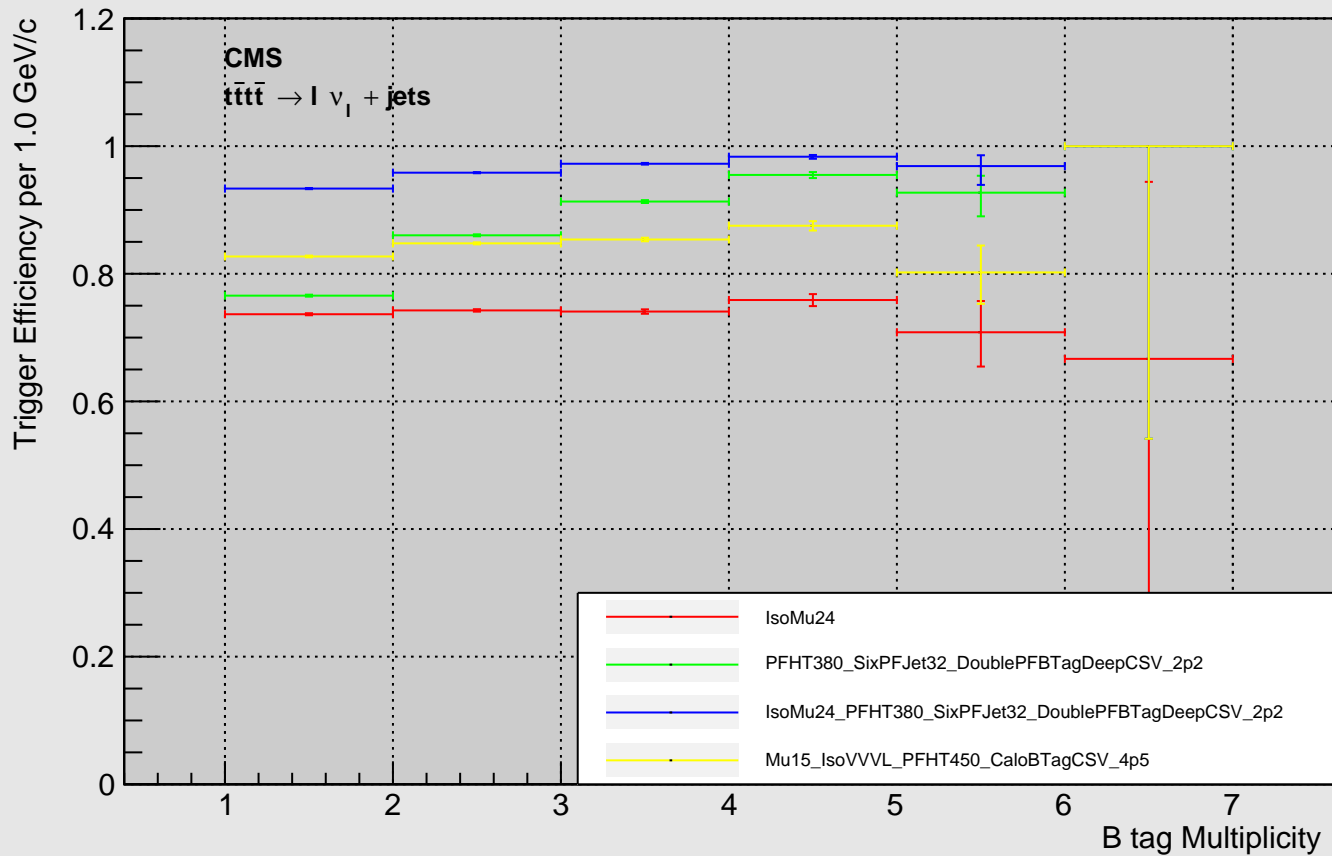
Number of Events per Number of Jets

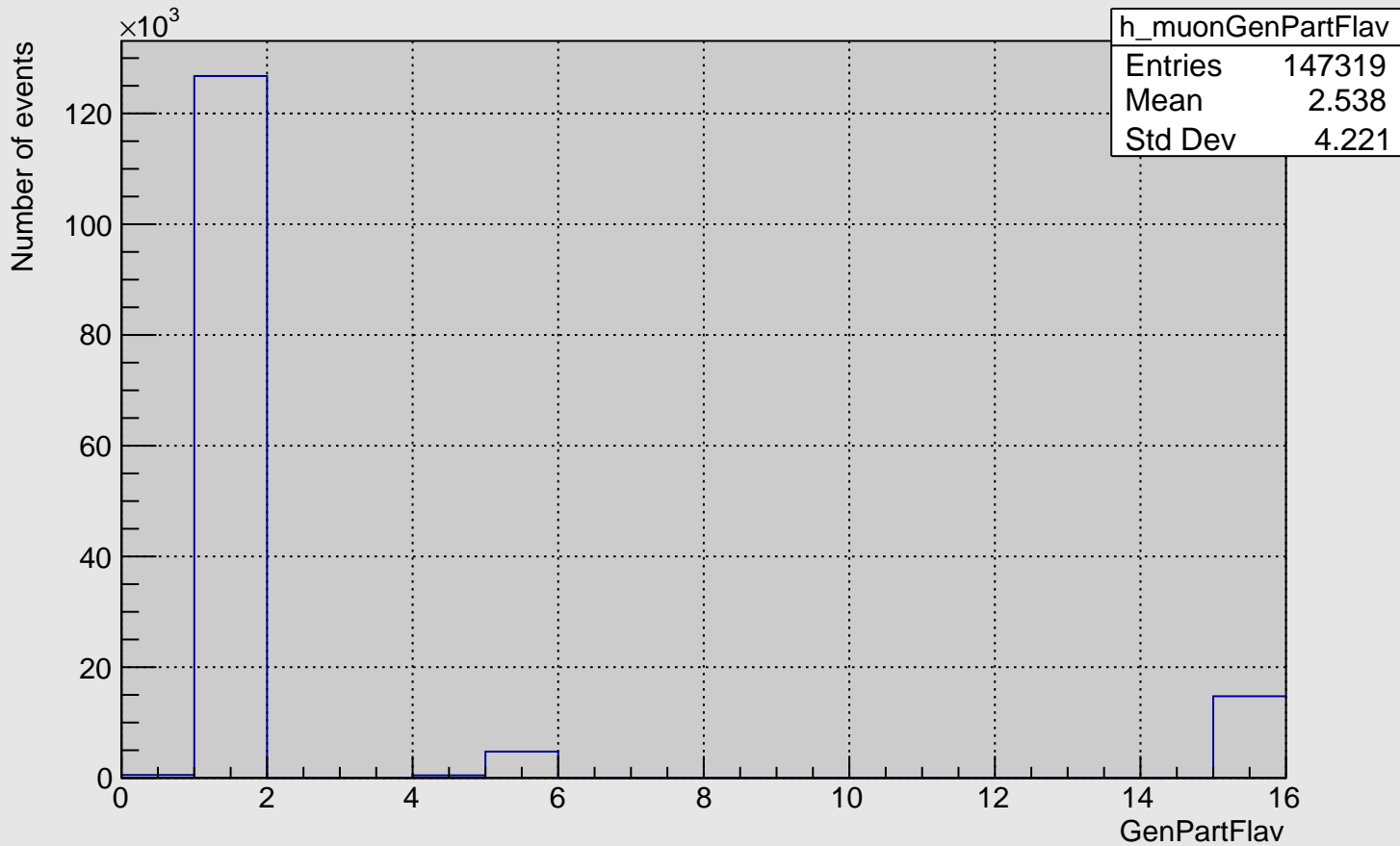




Number of Events per Number of Jets

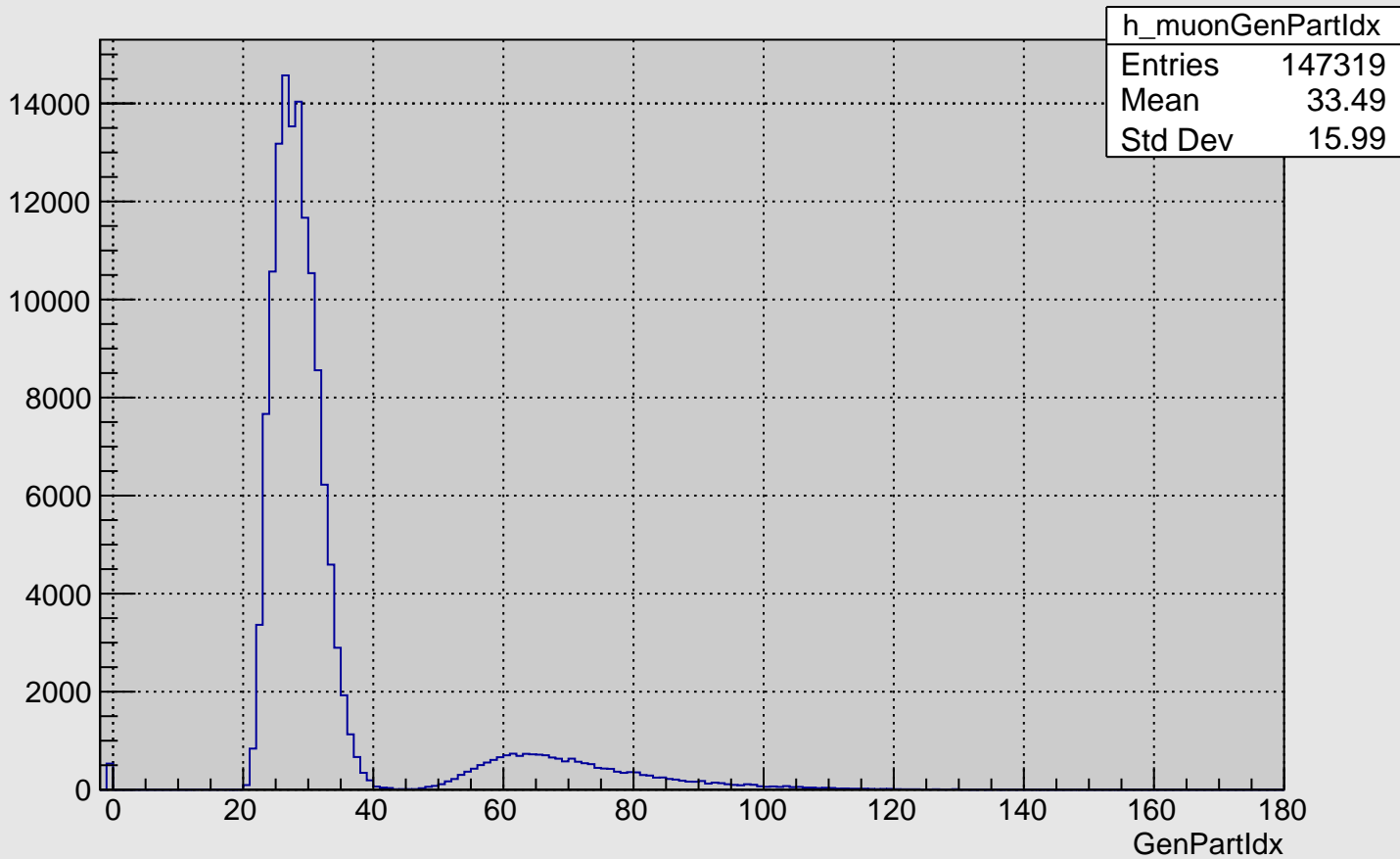




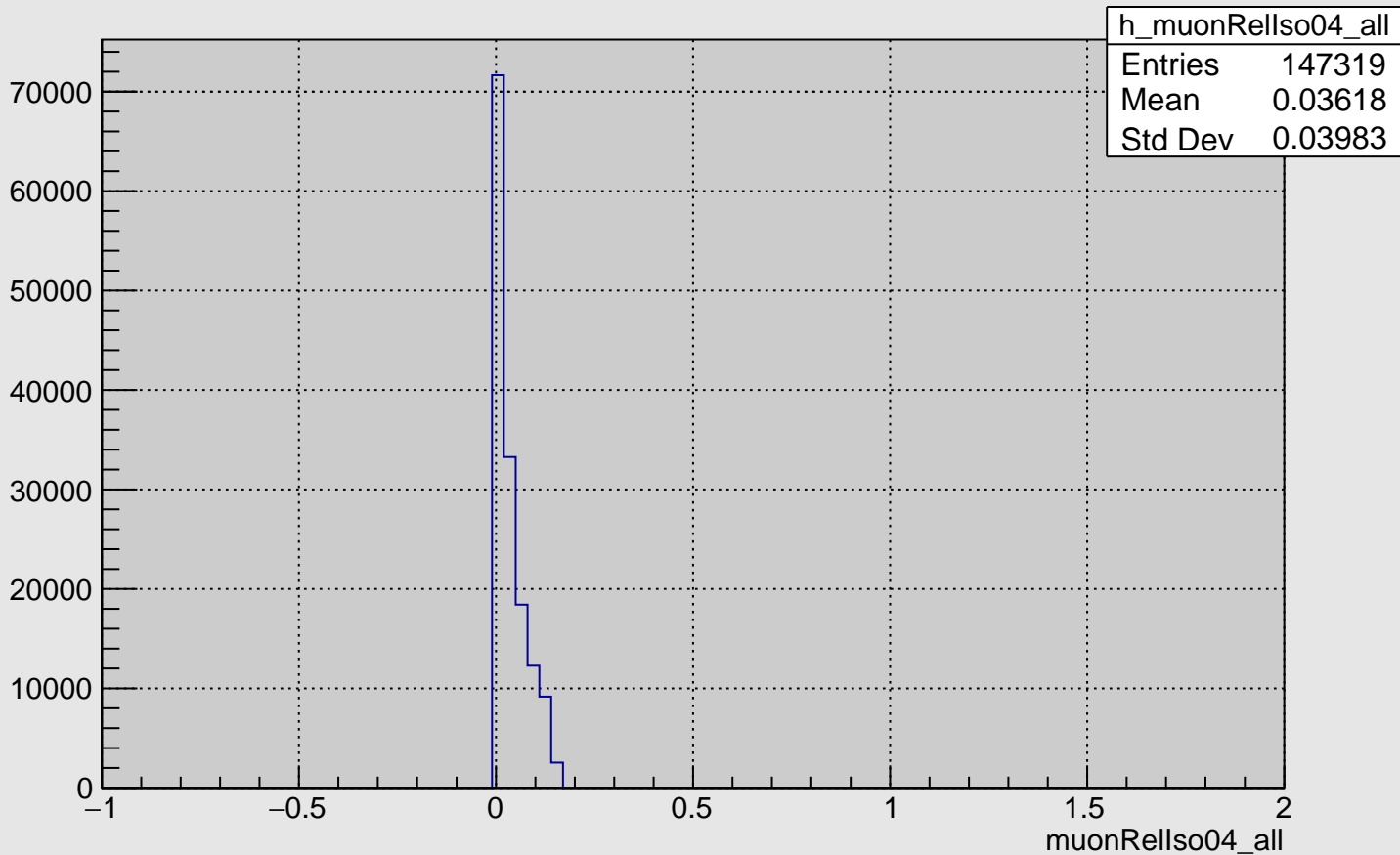




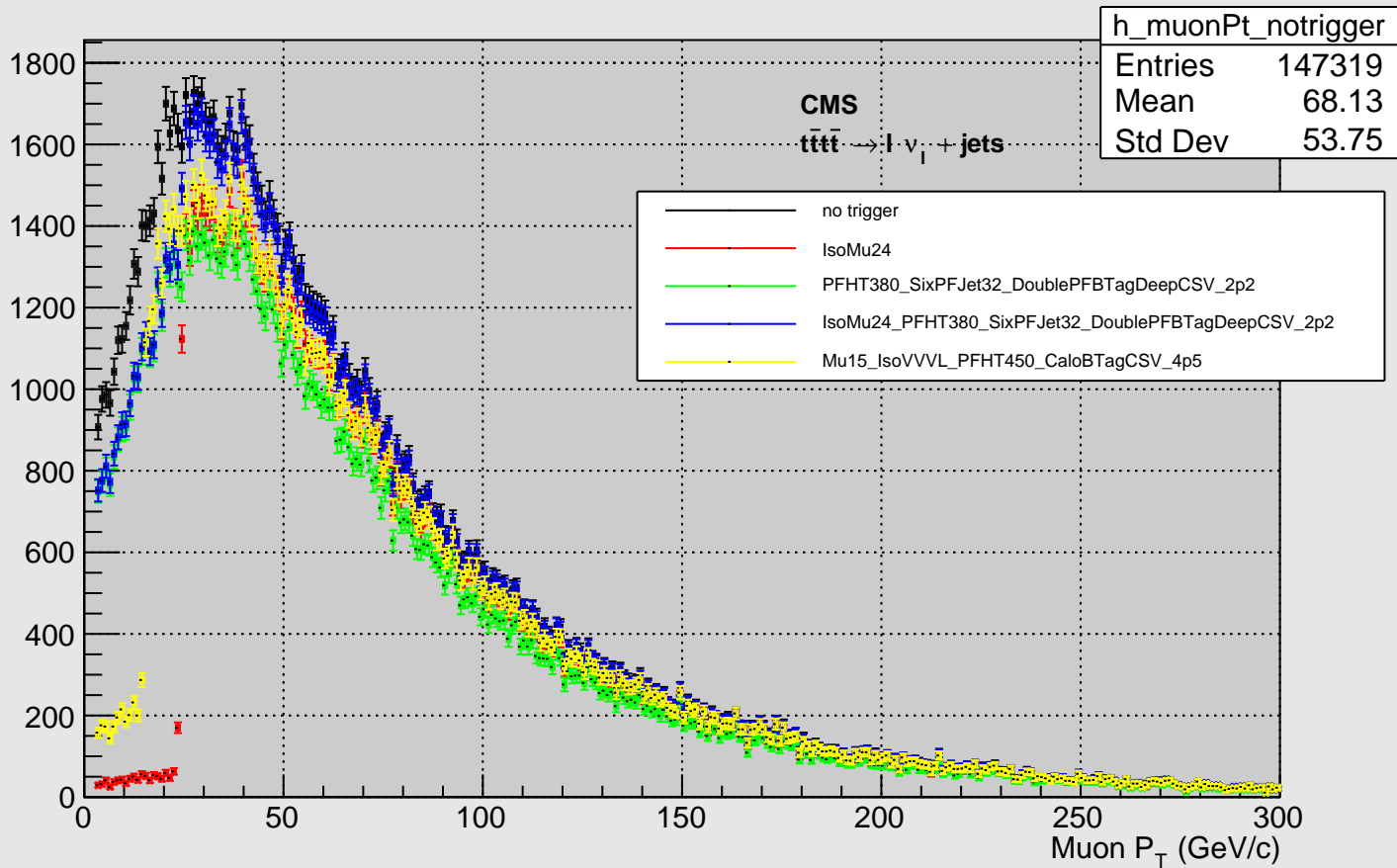
Number of events



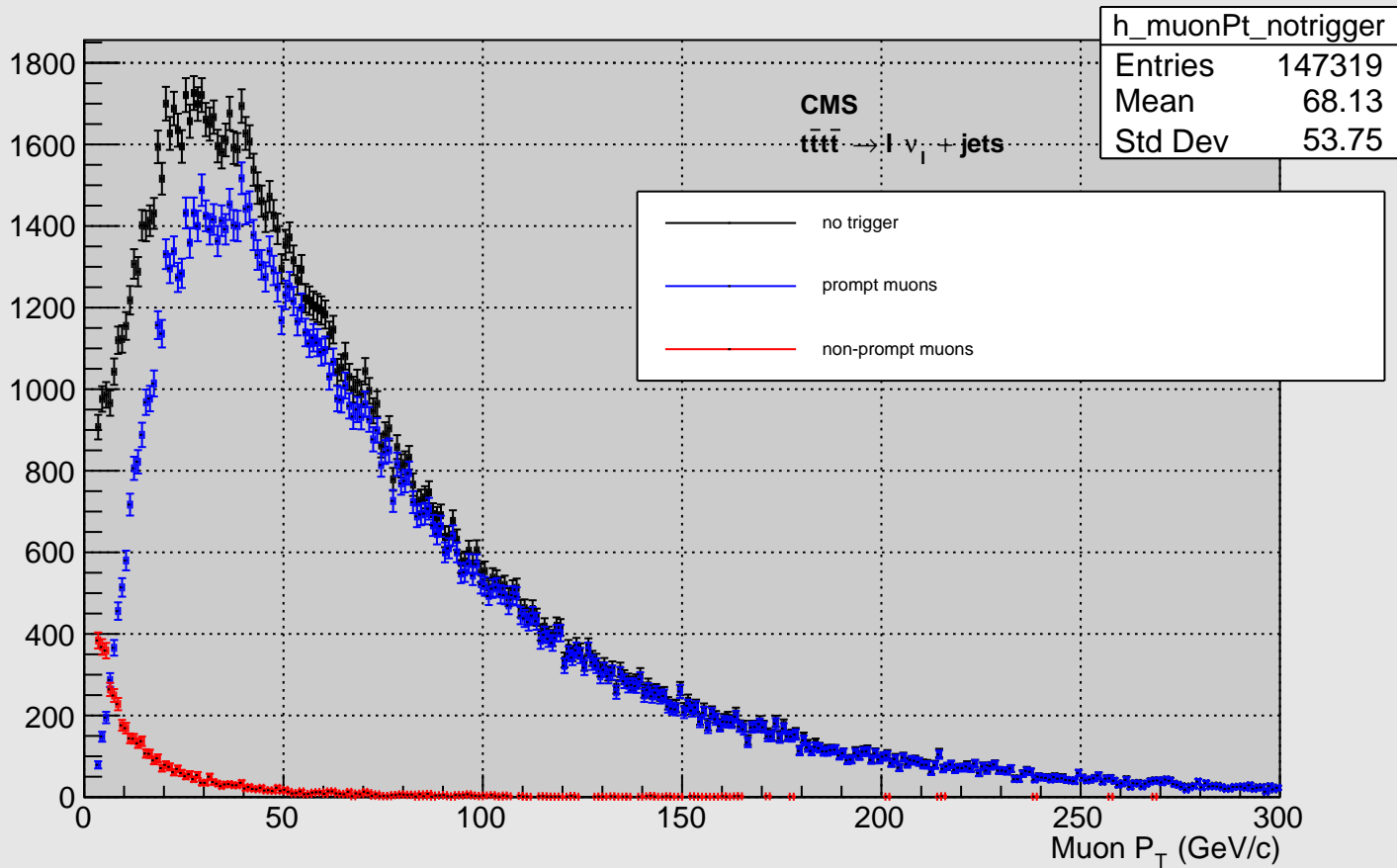
Number of Events

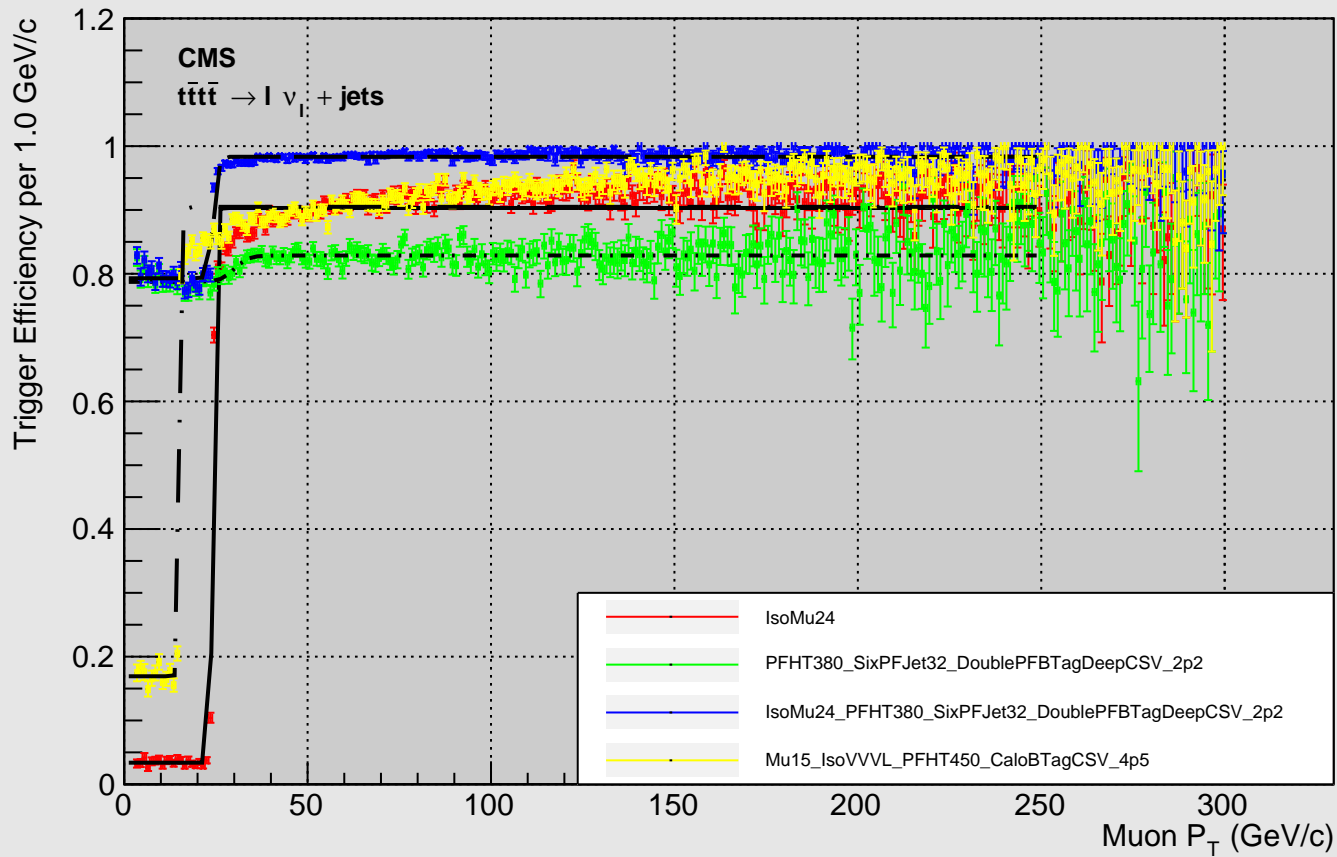


Number of Events per 1 GeV/c

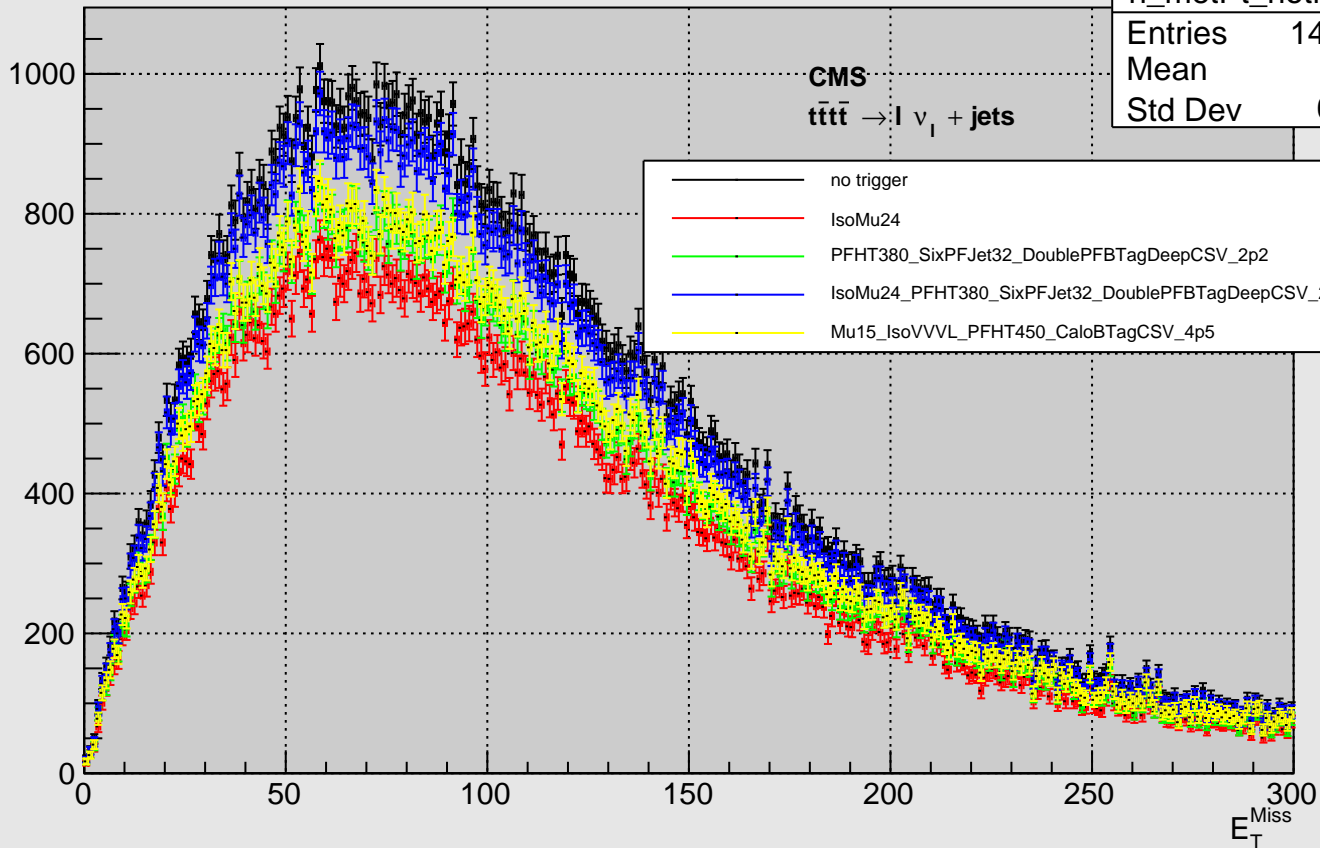


Number of Events per 1 GeV/c

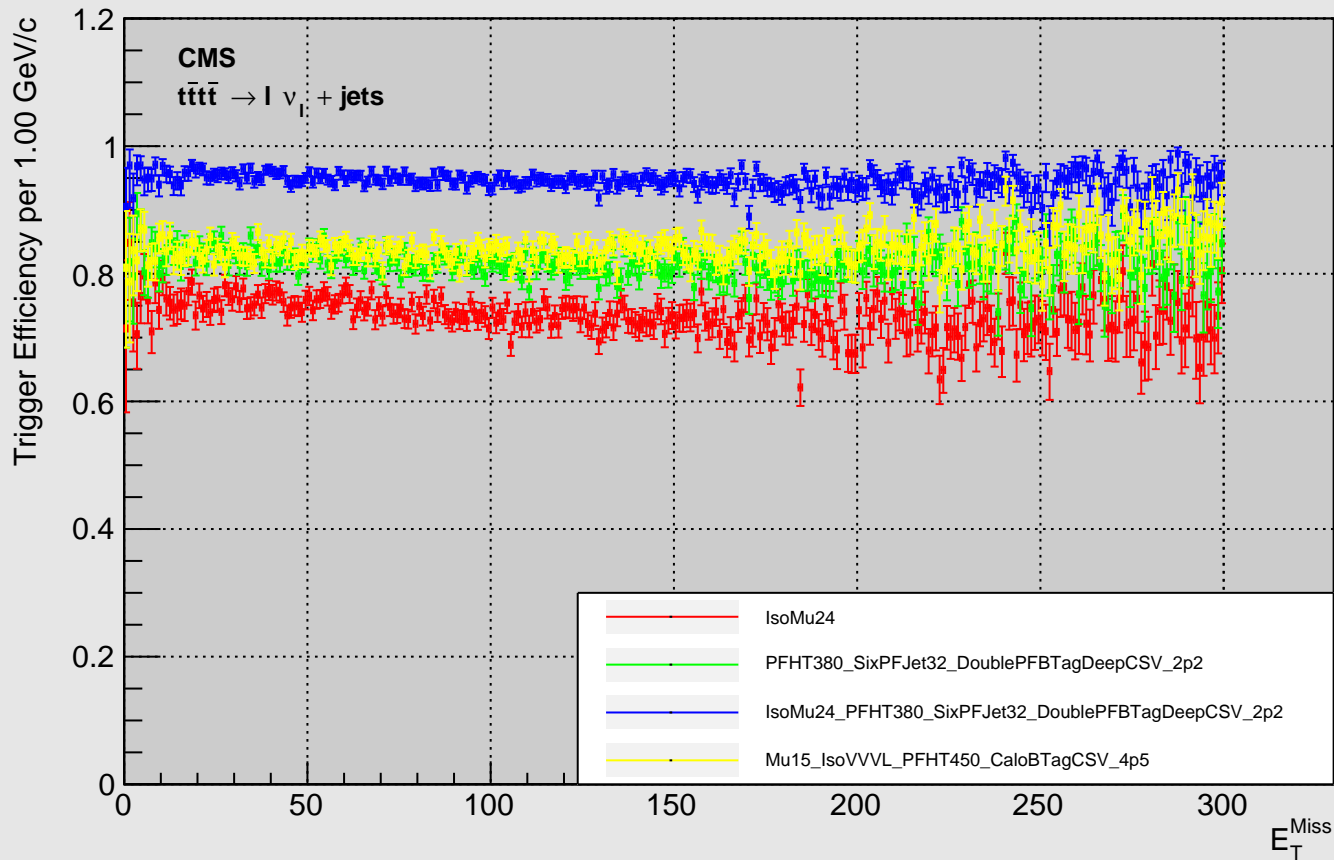




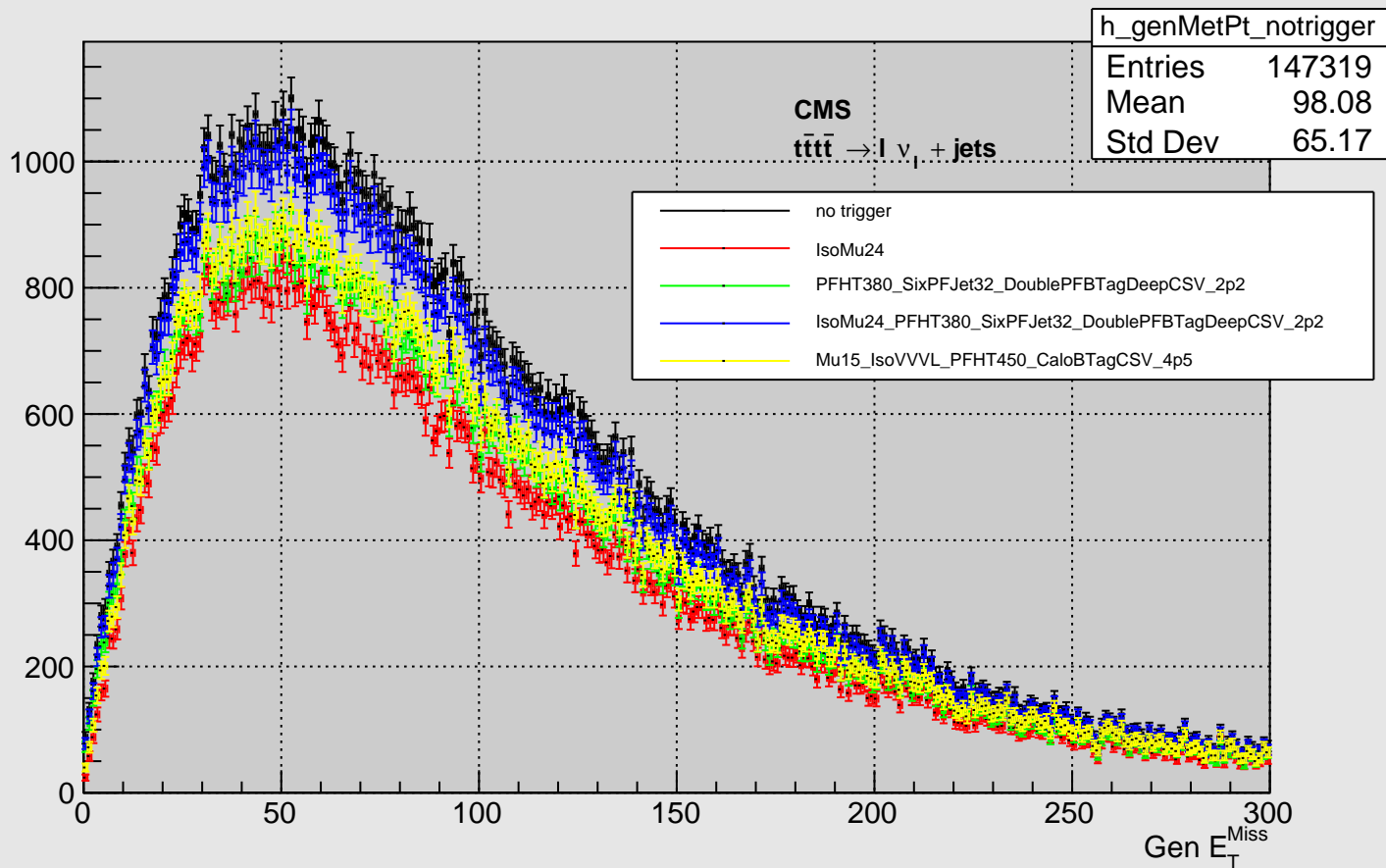
Number of Events per 1 GeV/c



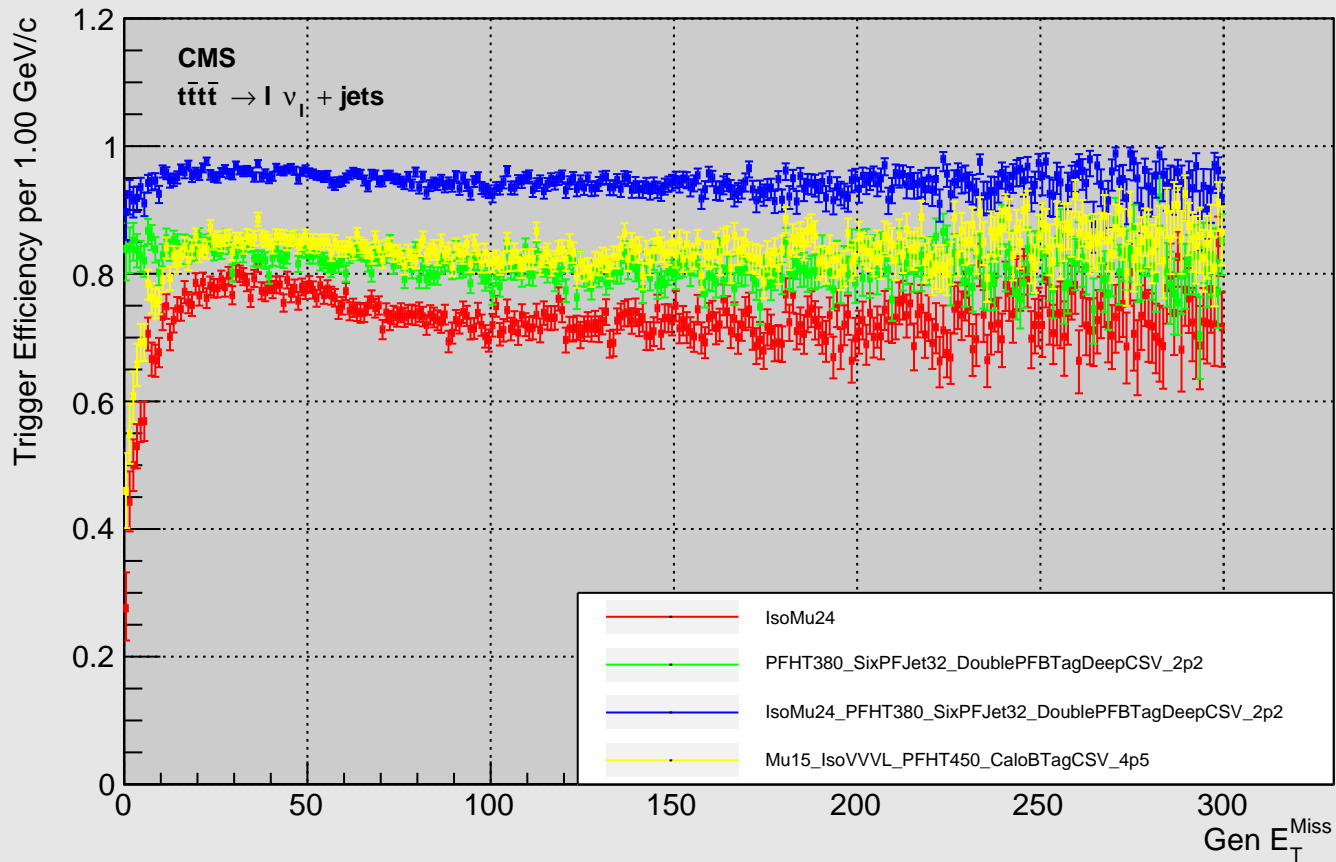
h_metPt_notrigger	
Entries	147319
Mean	109
Std Dev	65.13



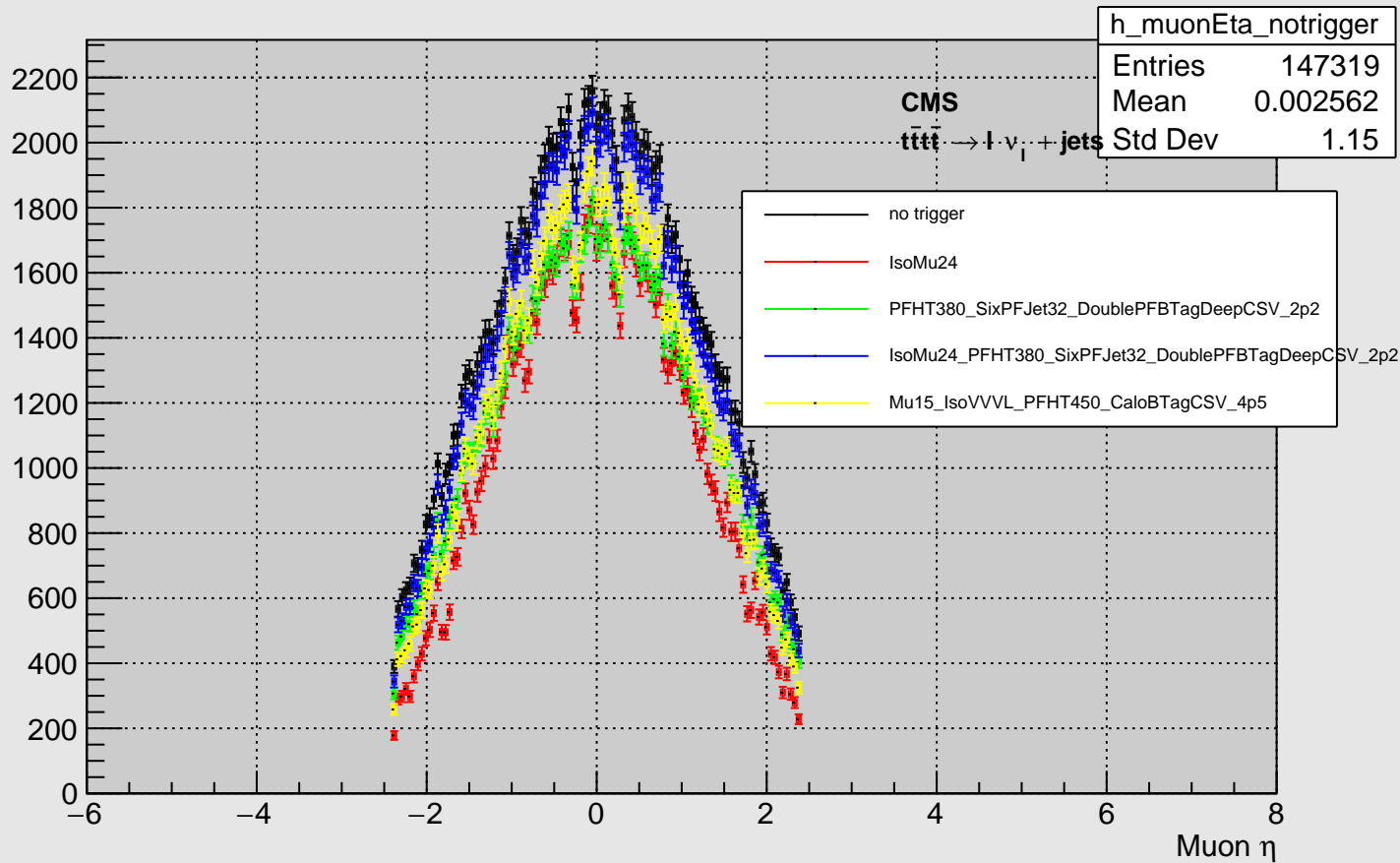
Number of Events per 1GeV/c

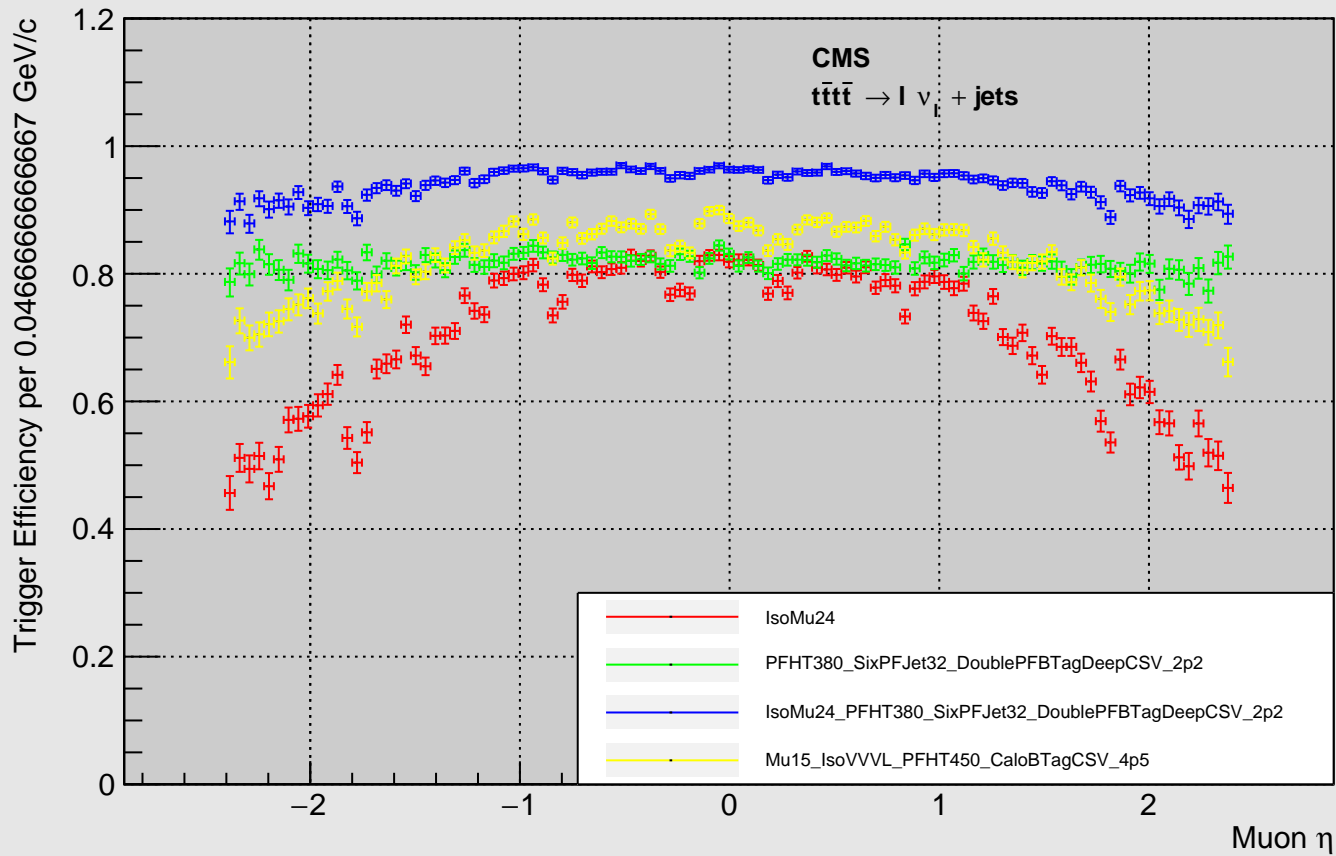




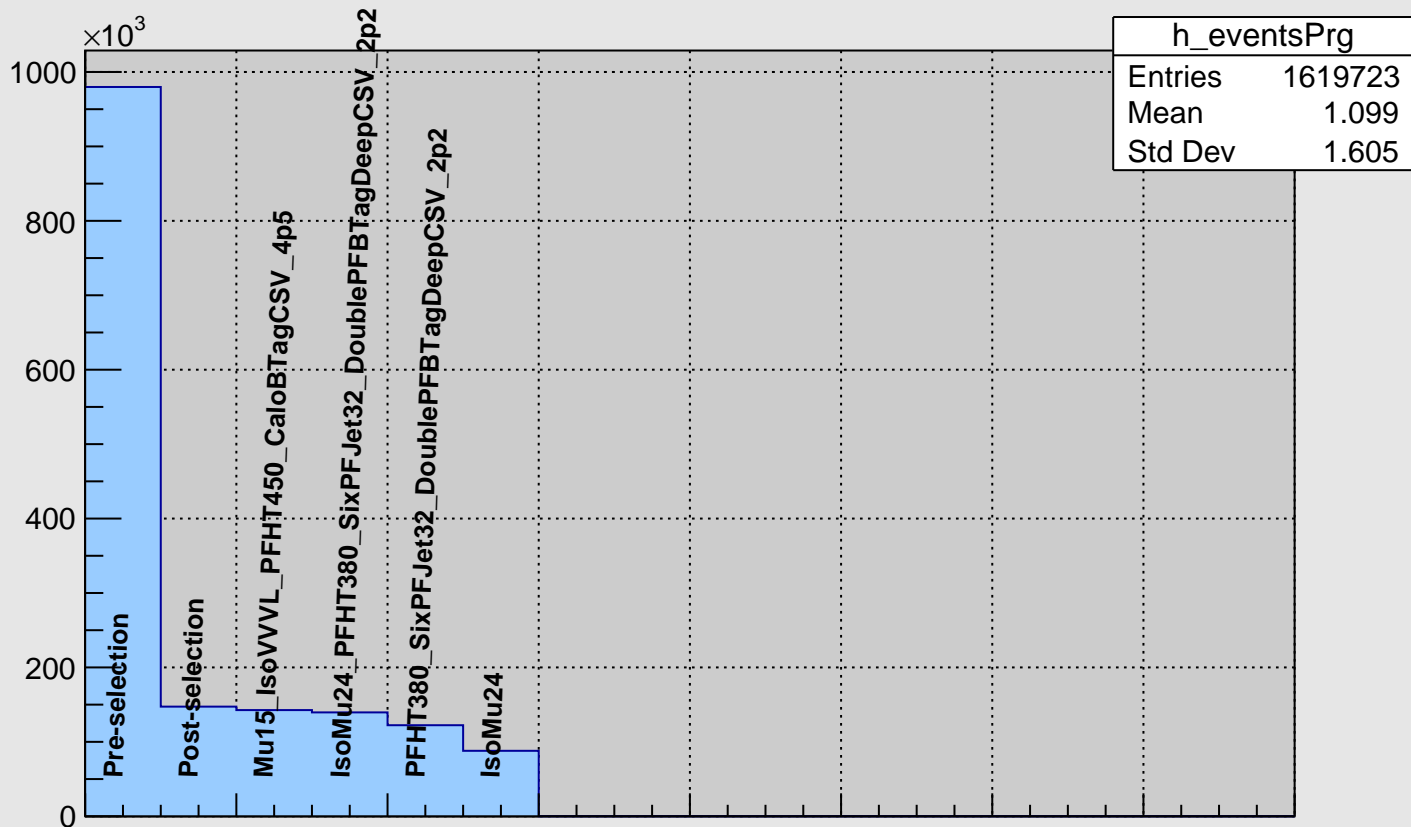


Number of Events per  $\delta\eta = 0.046$





Total Number of Accepted Events



Cuts and Triggers