

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

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

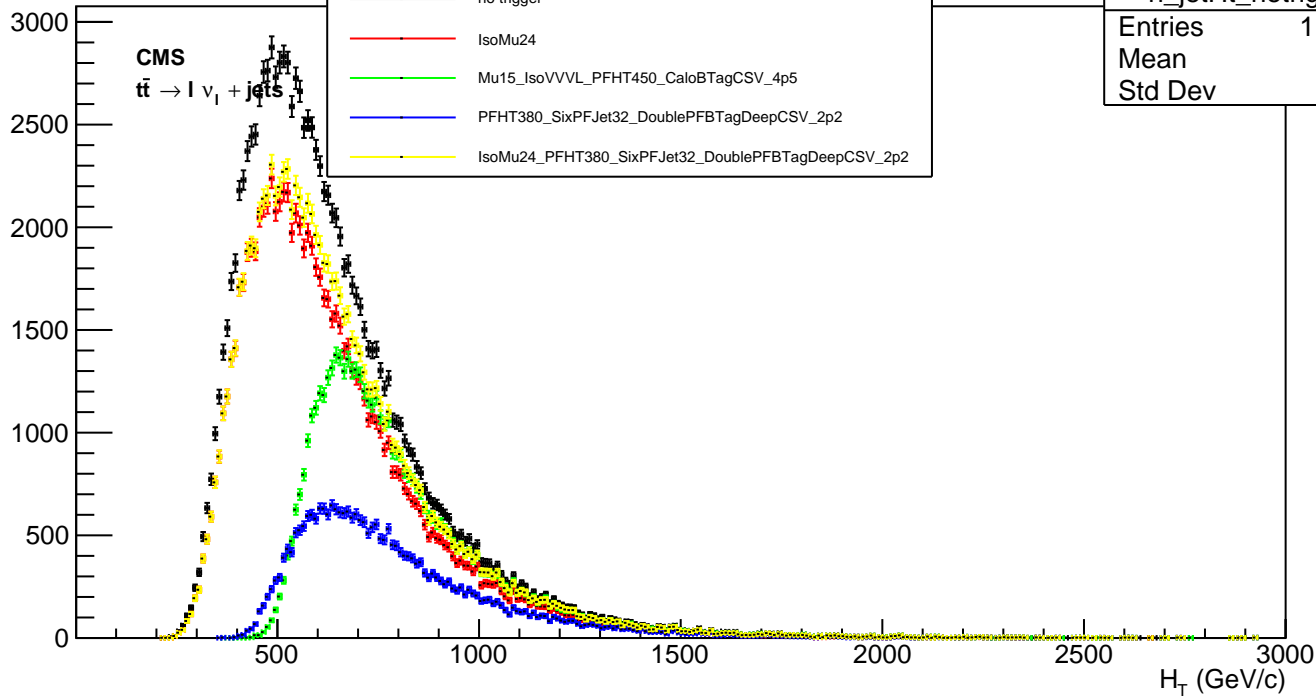
**Event Limit:** None (see last page)

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

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

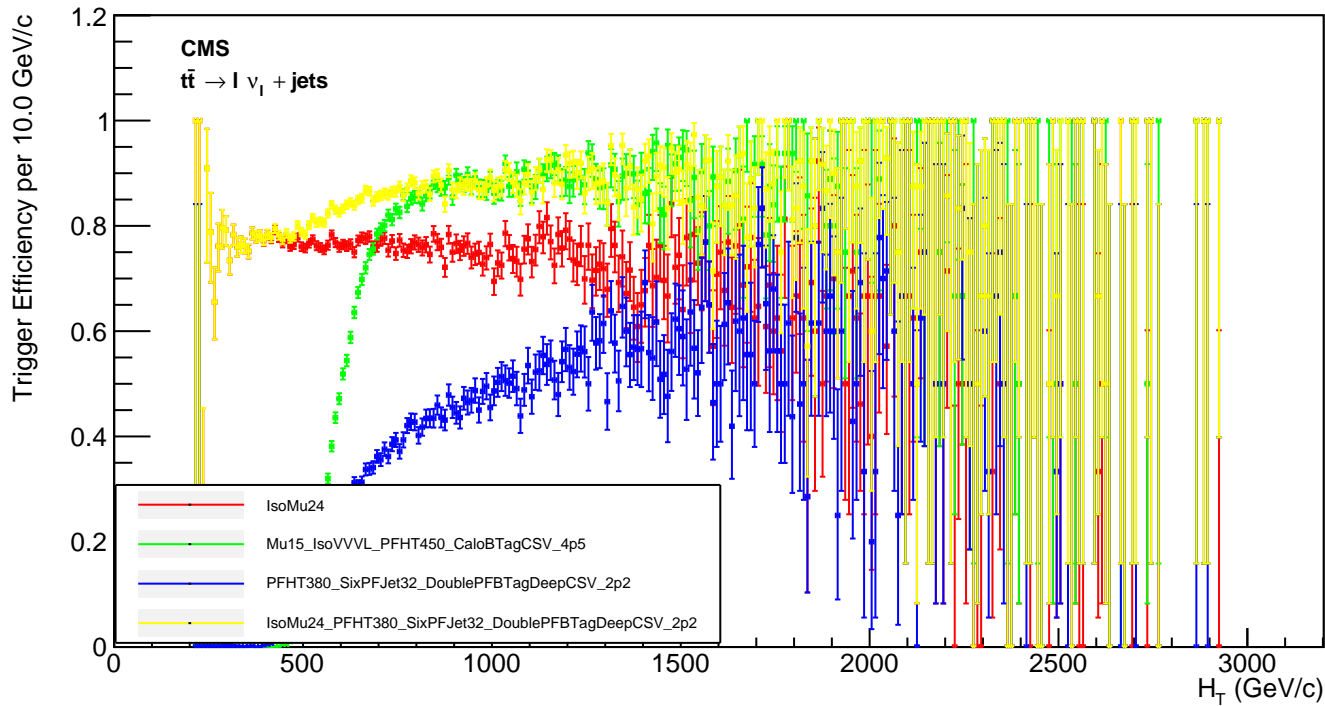
Number of Events per 10 GeV/c

**CMS**  
 $t\bar{t} \rightarrow l \nu_l + \text{jets}$

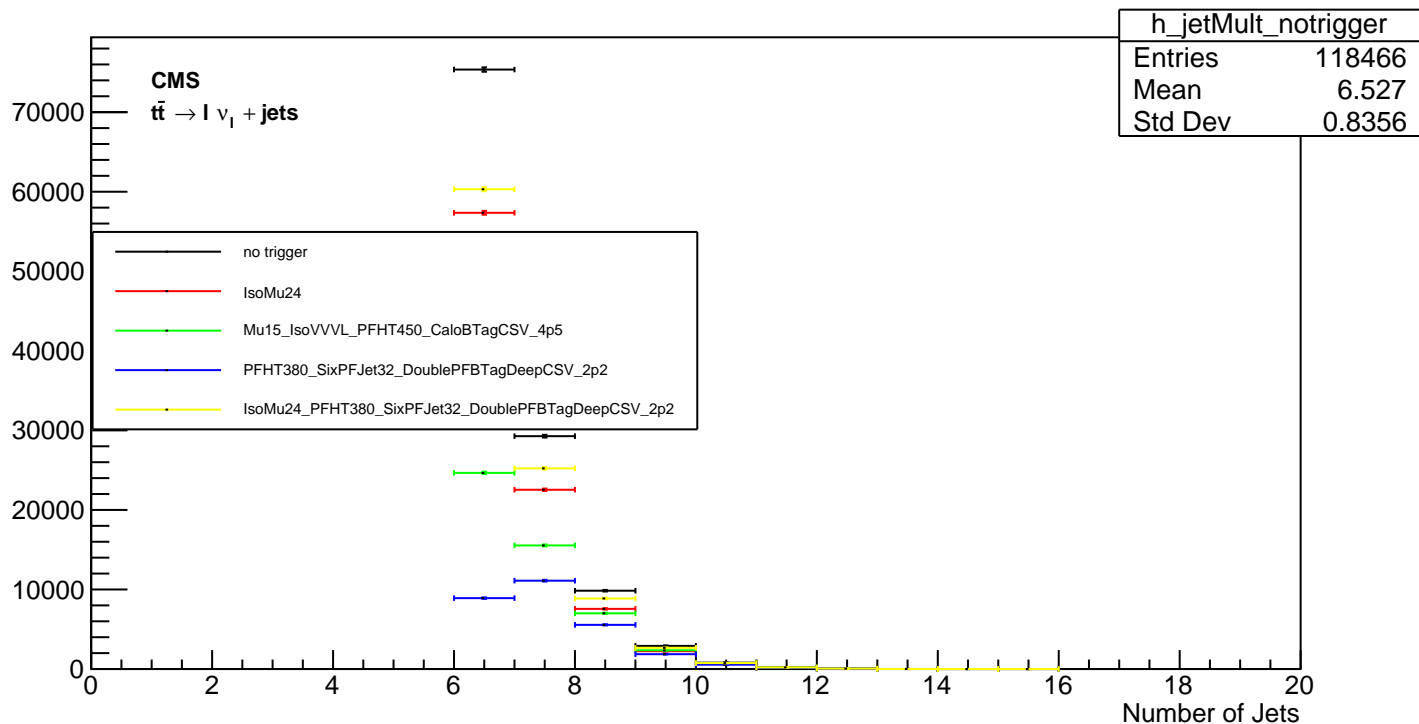


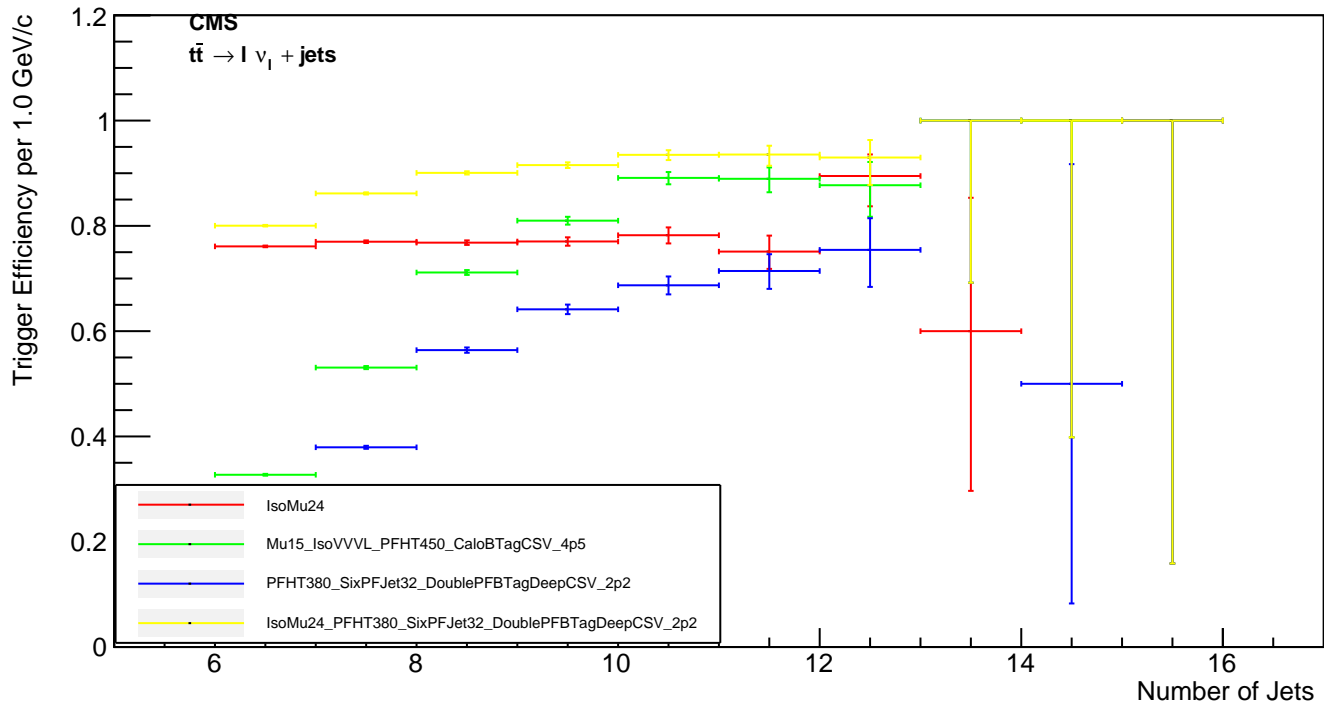
h\_jetHt\_notrigger

Entries	118466
Mean	639.3
Std Dev	241.8

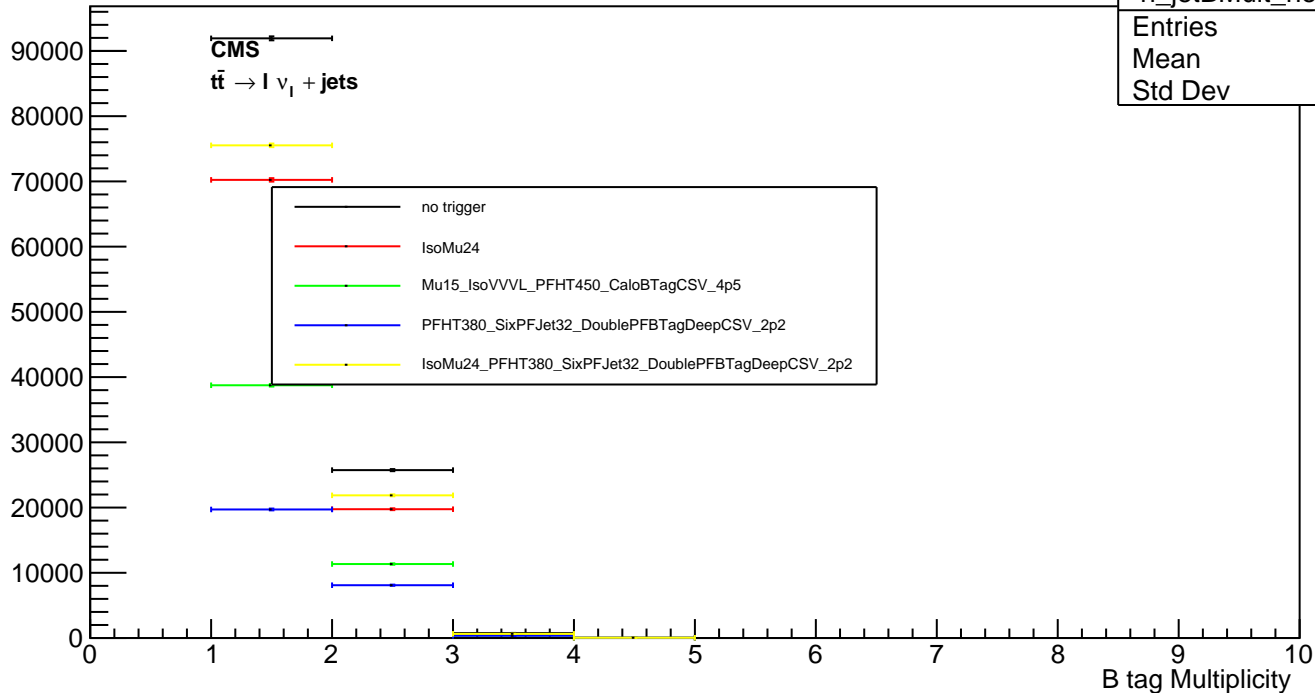


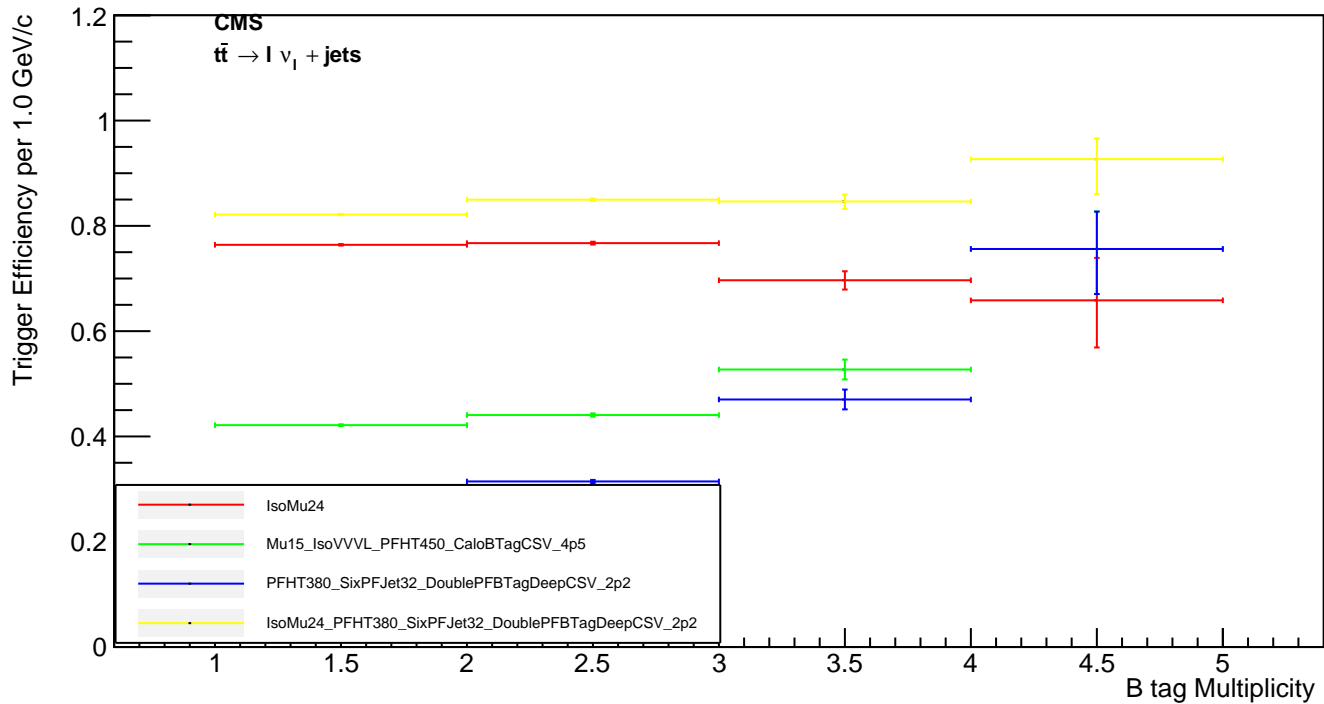
Number of Events per Number of Jets



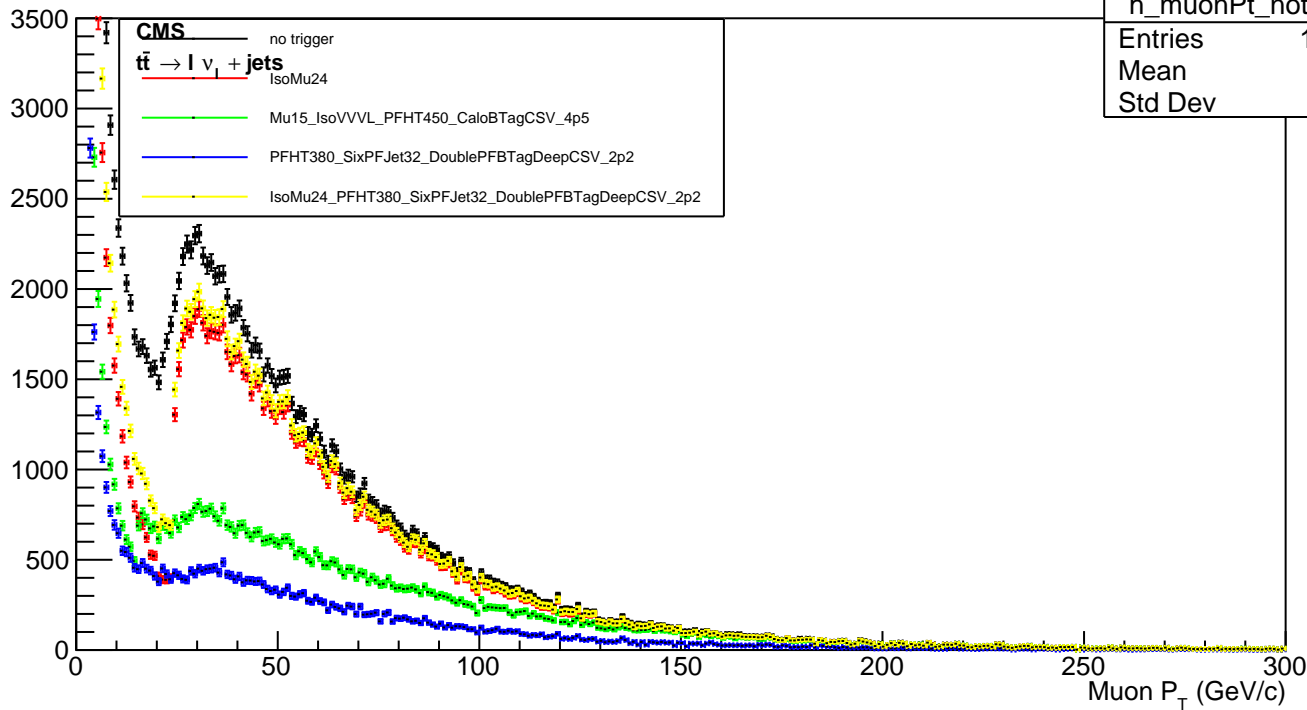


Number of Events per Number of Jets

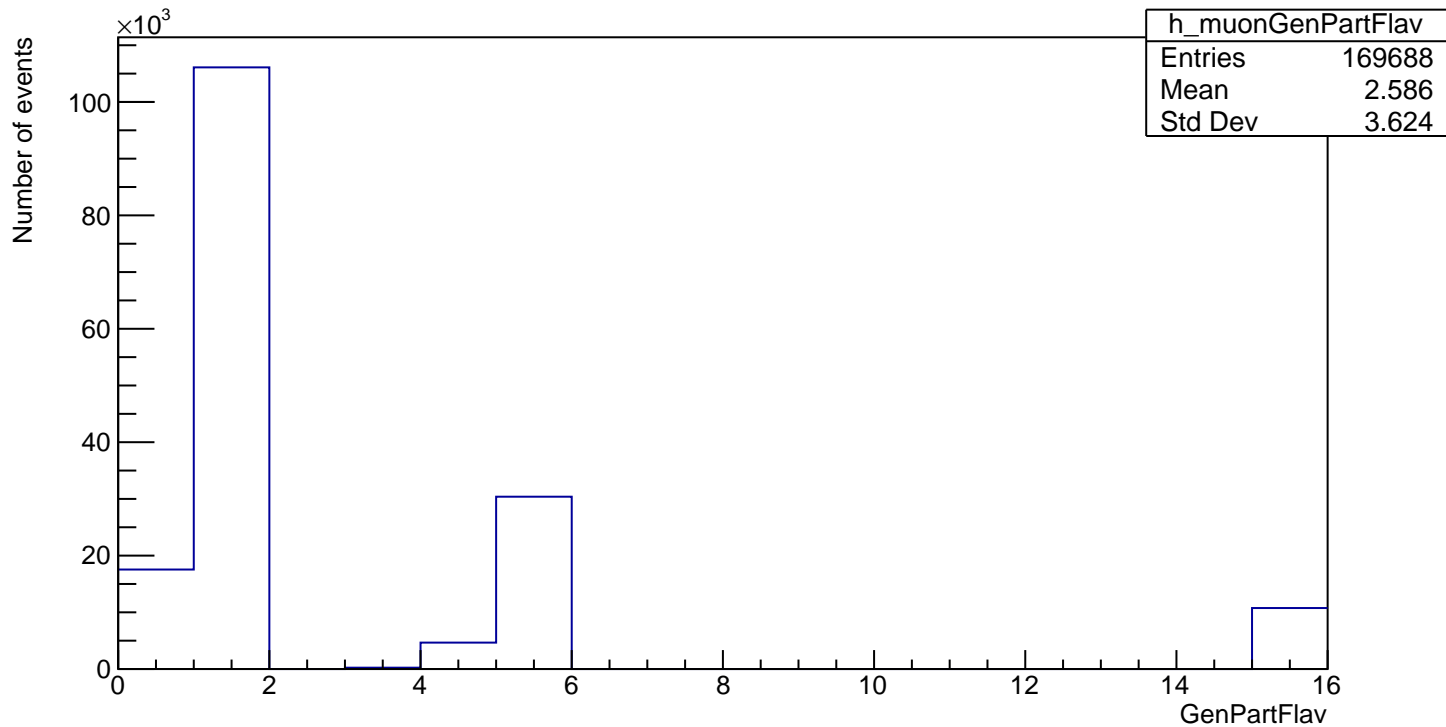


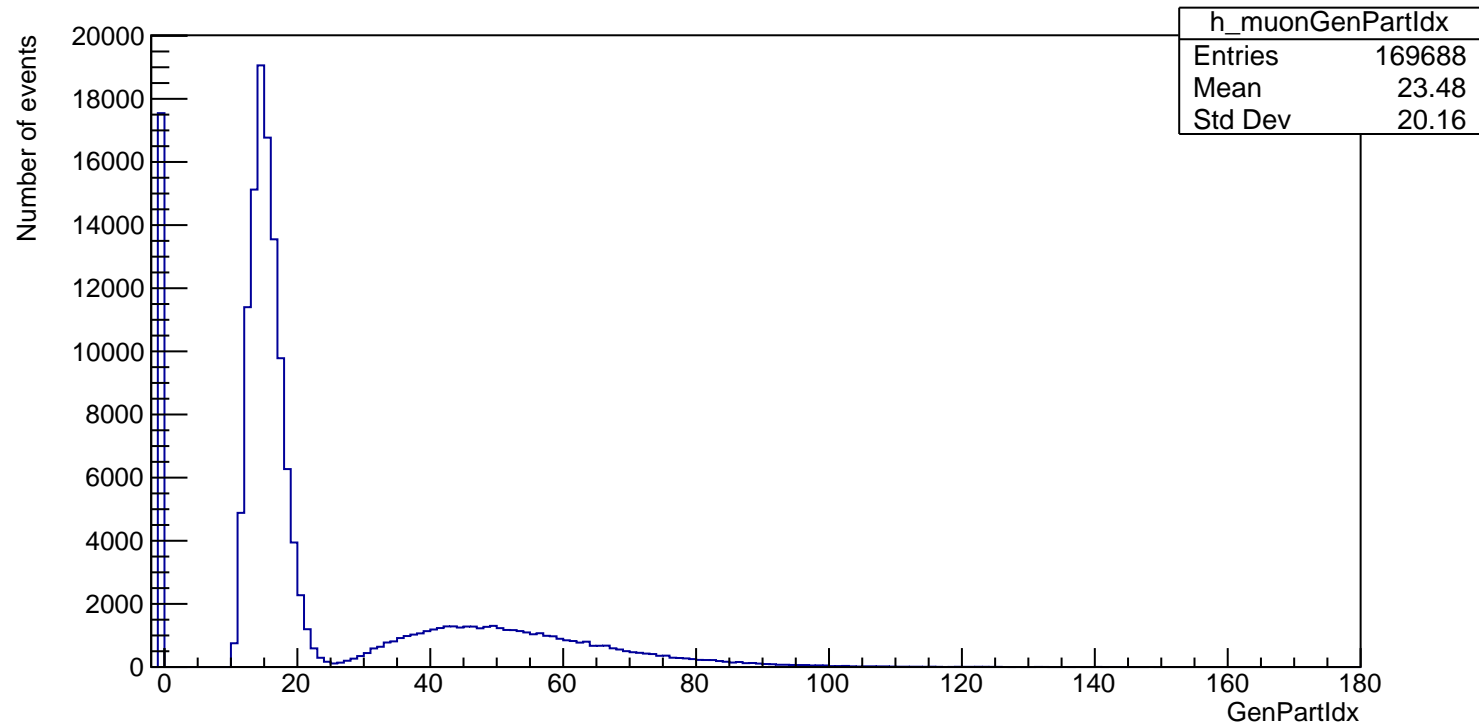


Number of Events per 1 GeV/c

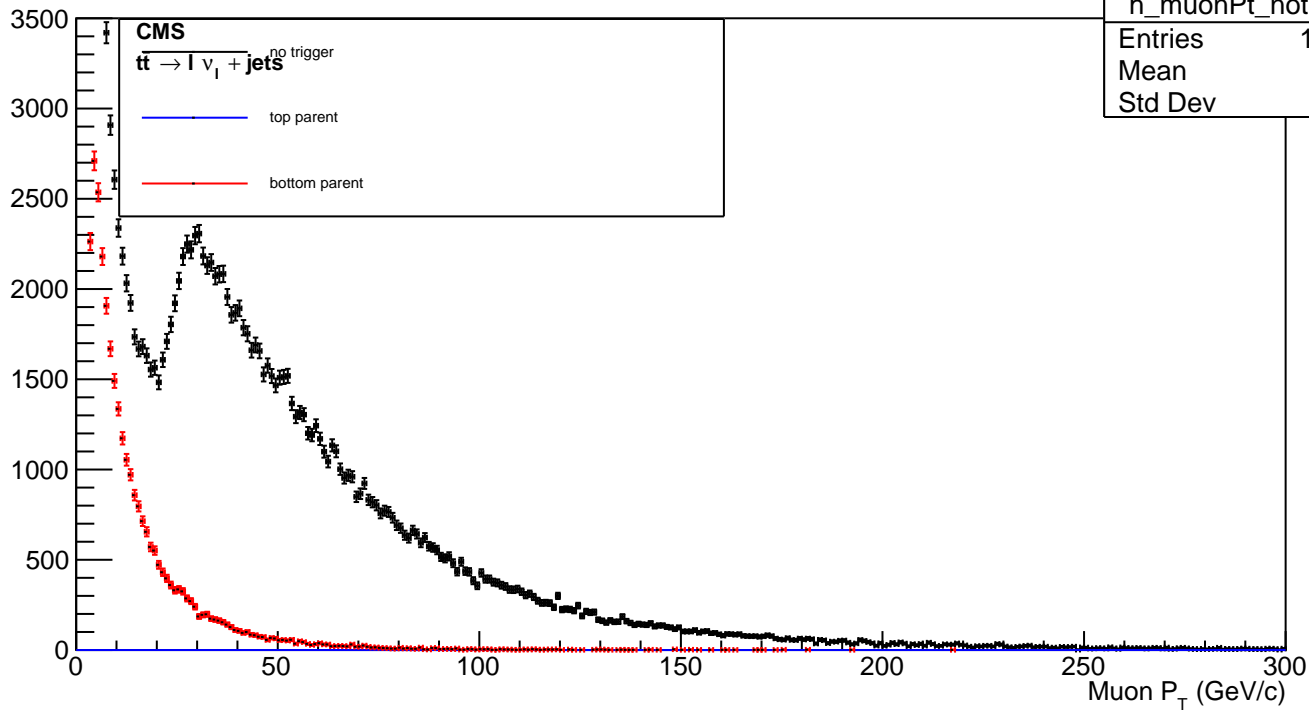


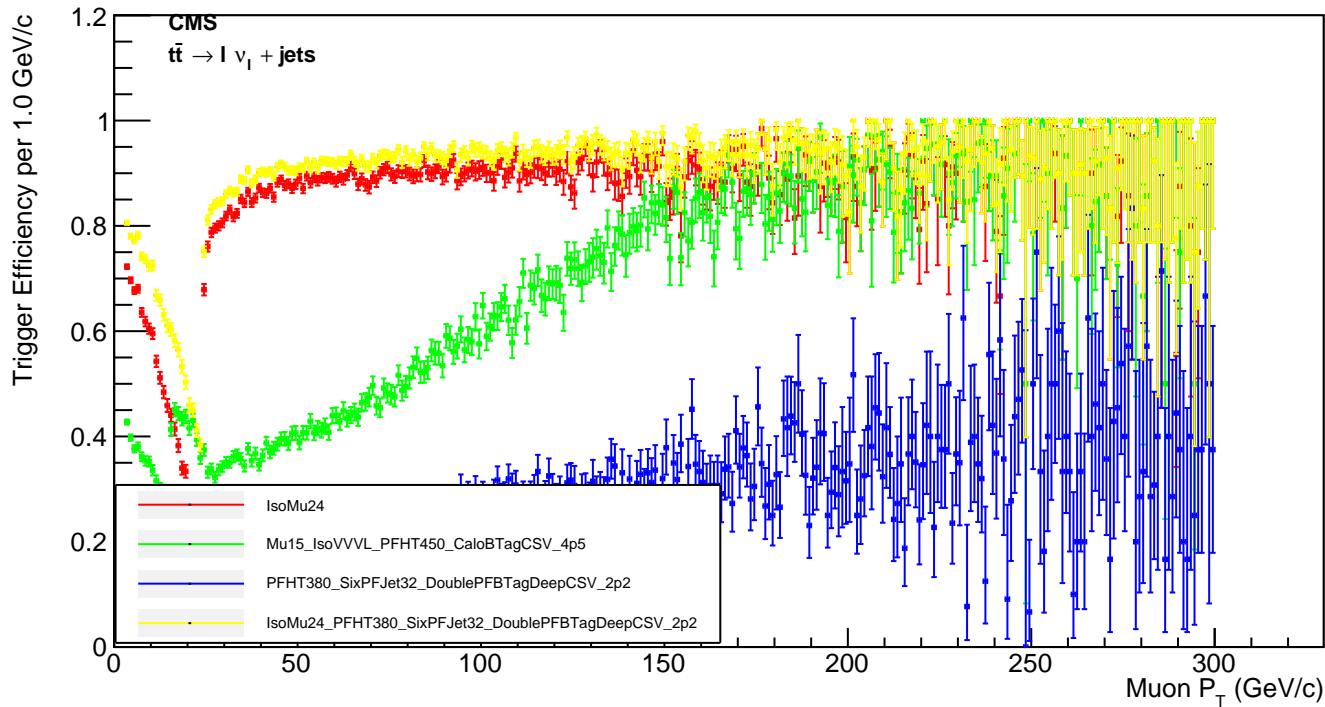




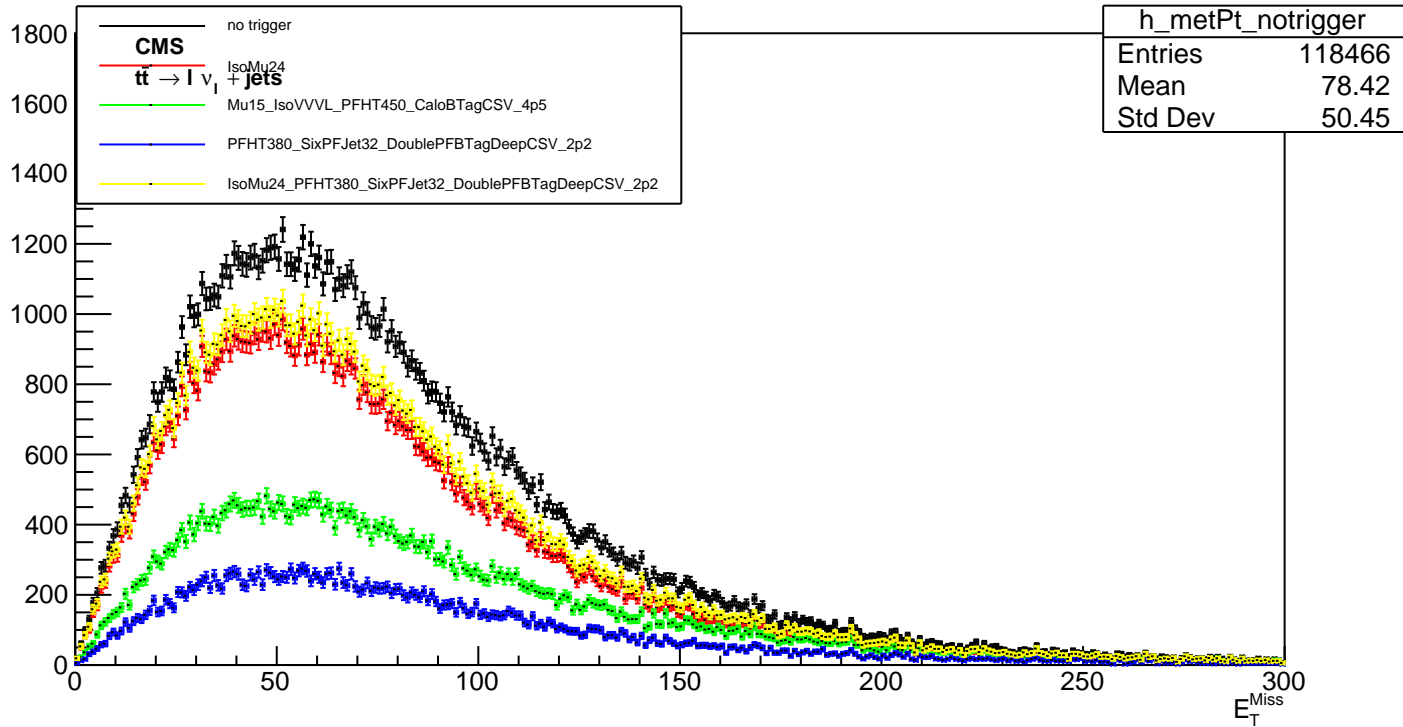


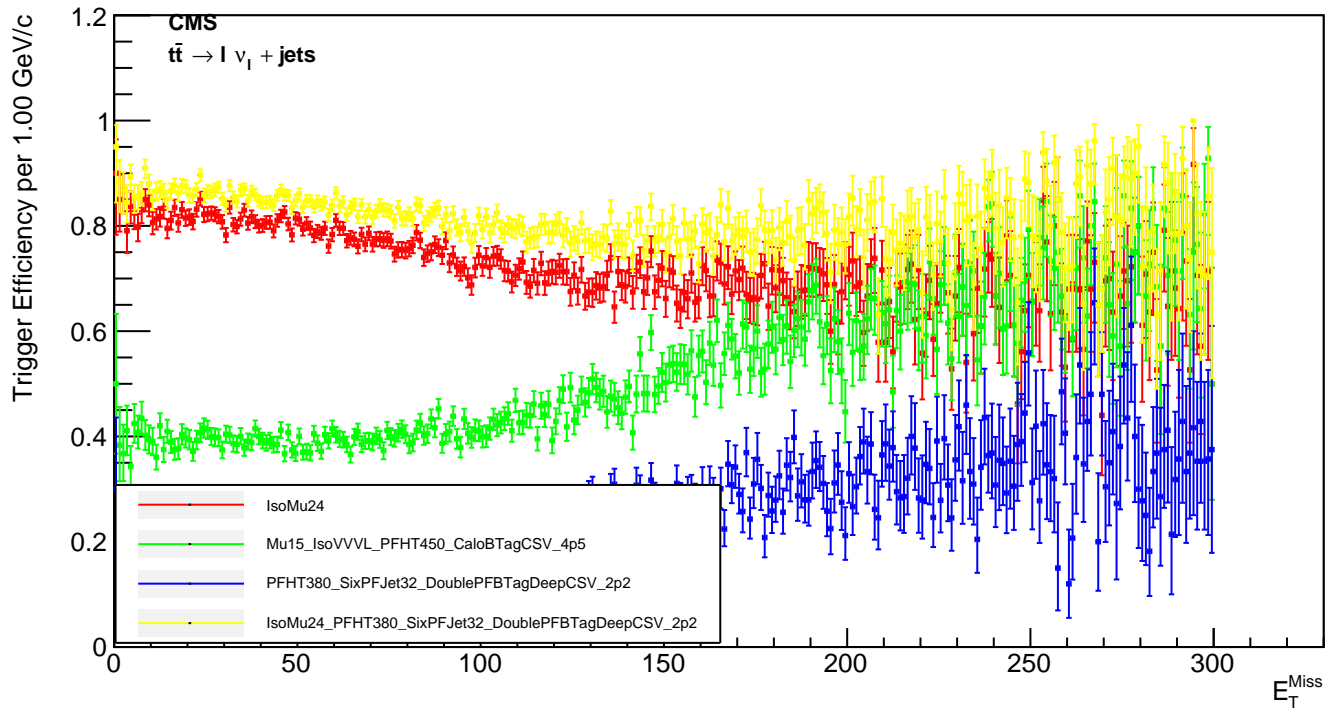
Number of Events per 1 GeV/c



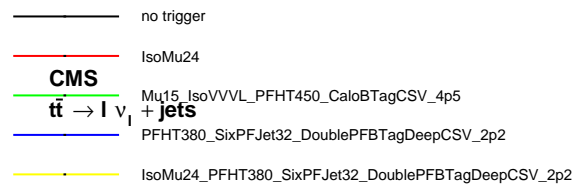


Number of Events per 1 GeV/c

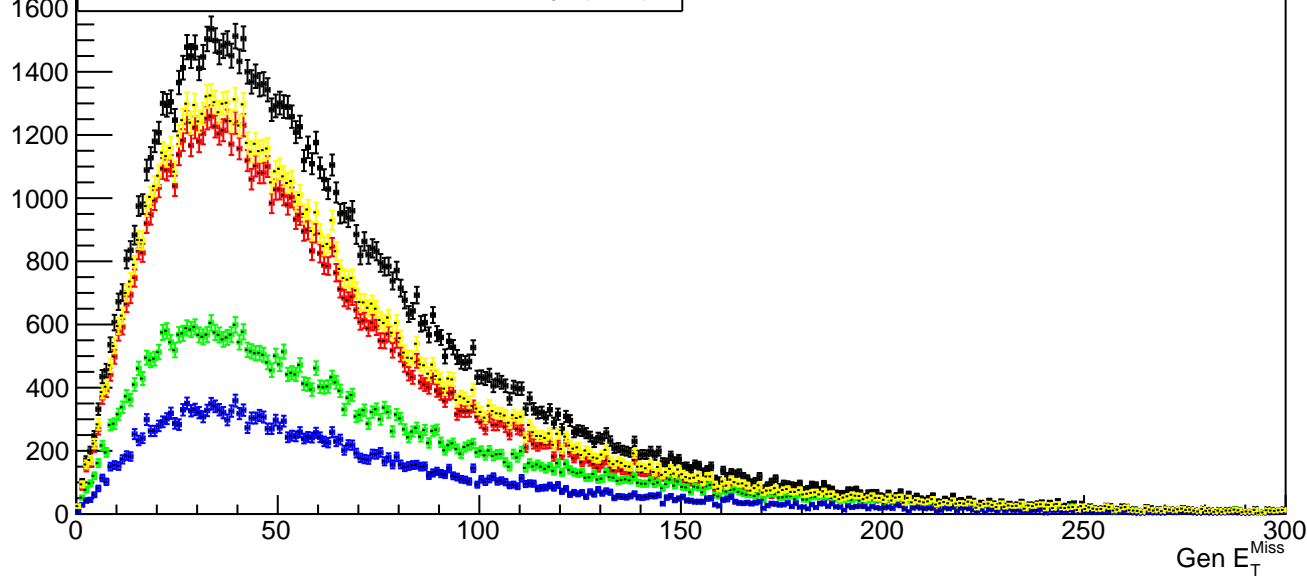


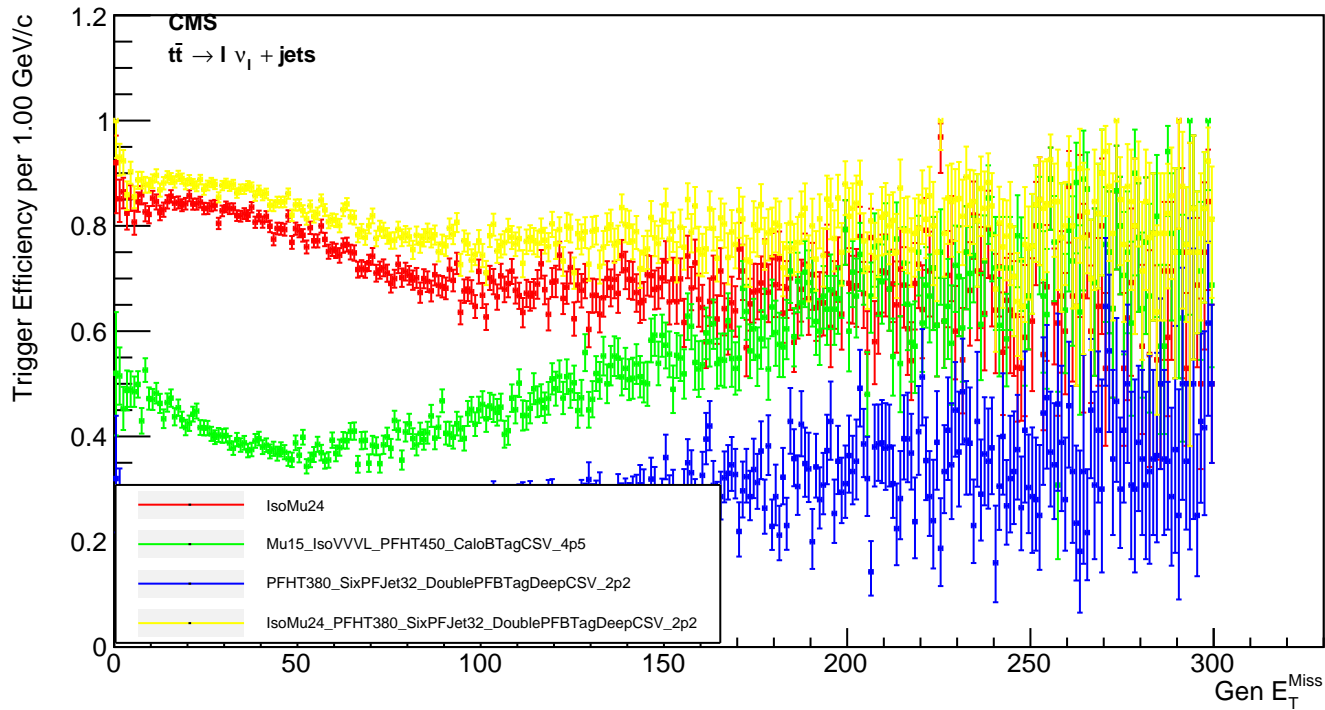


Number of Events per 1GeV/c



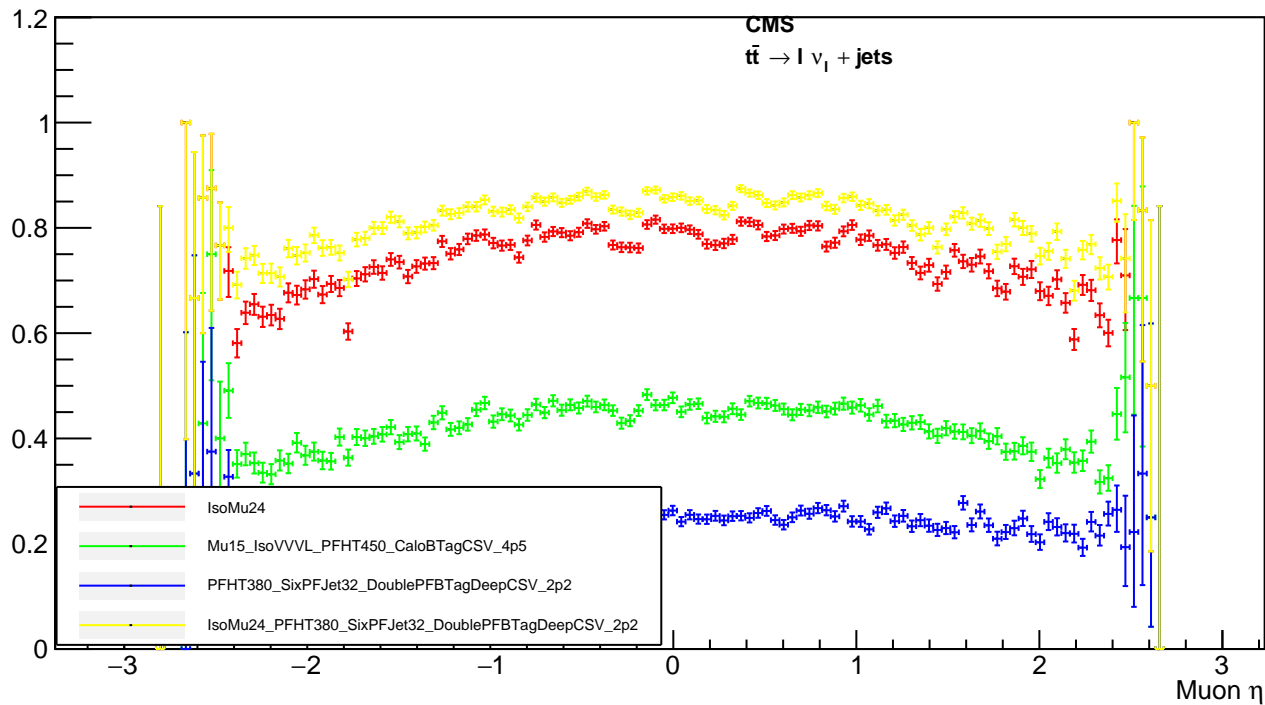
h_genMetPt_notrigger	
Entries	118466
Mean	66
Std Dev	47.84



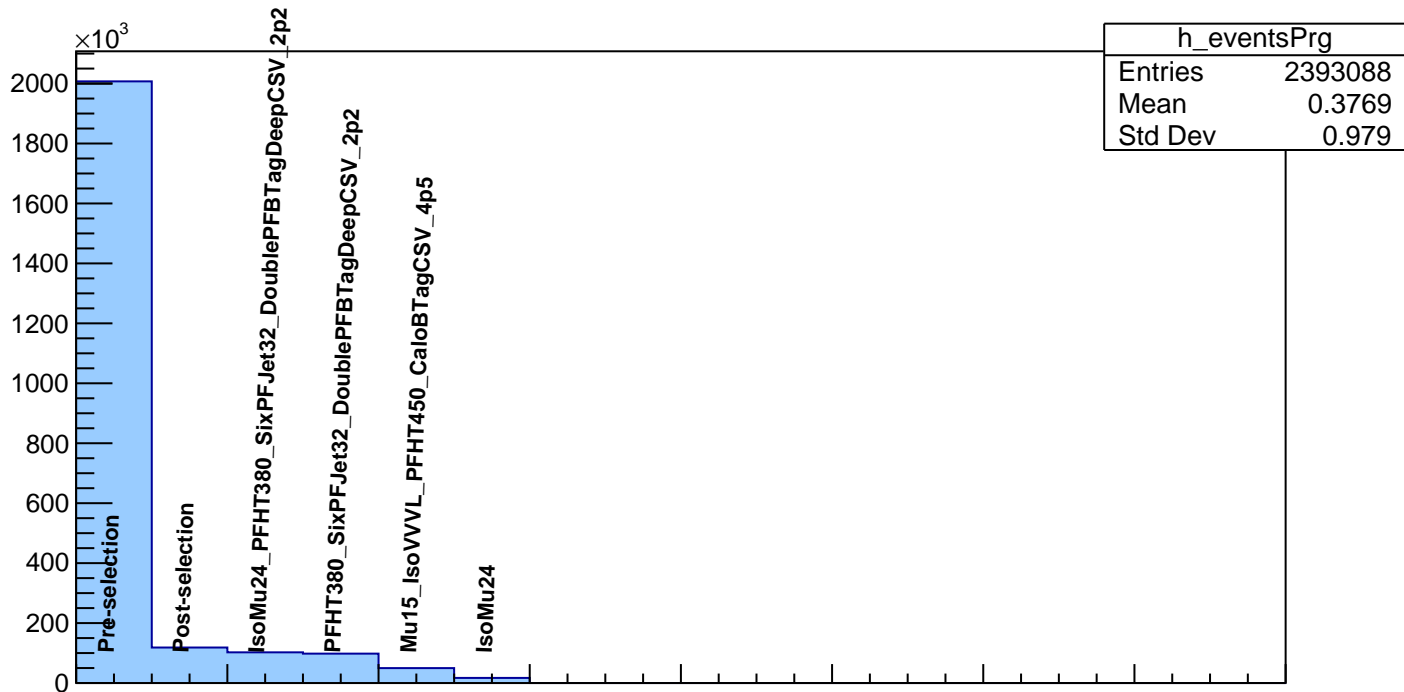




Trigger Efficiency per 0.0466666666666667 GeV/c



Total Number of Accepted Events



Cuts and Triggers

h_eventsPrg	
Entries	2393088
Mean	0.3769
Std Dev	0.979