

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

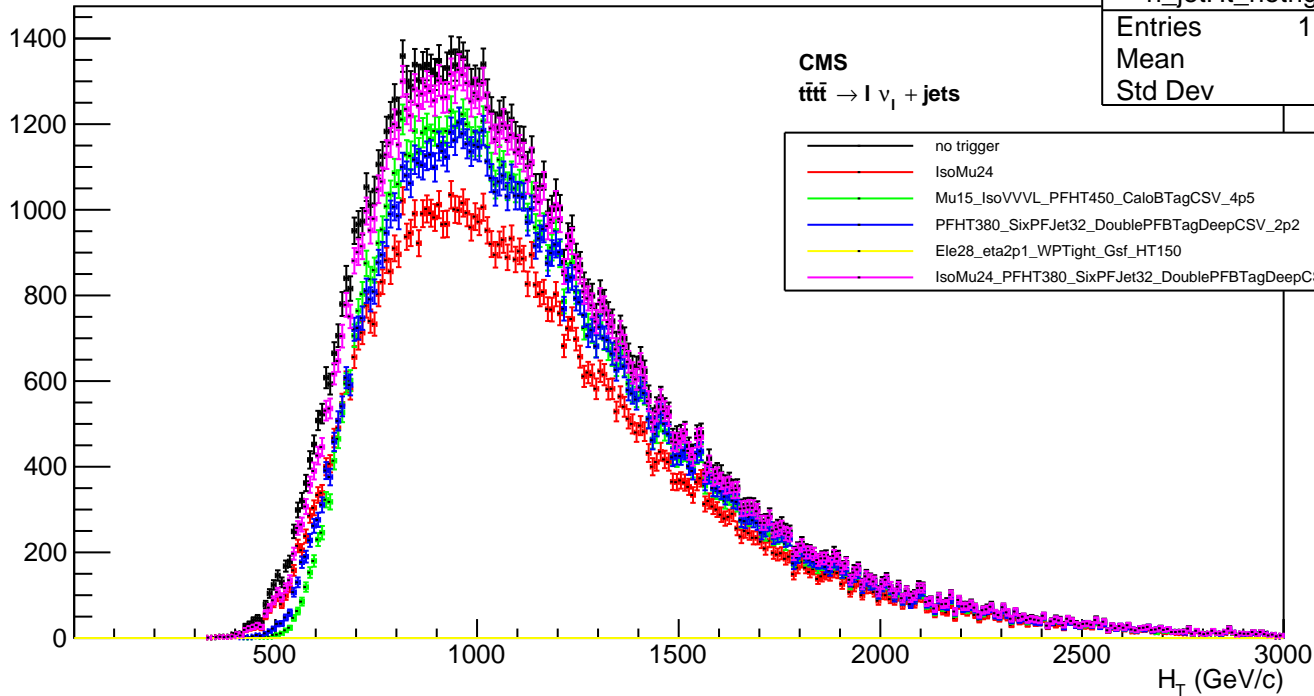
- **Jets:** number > 5
- **Muons:** number >0
- **Electrons:** number >0

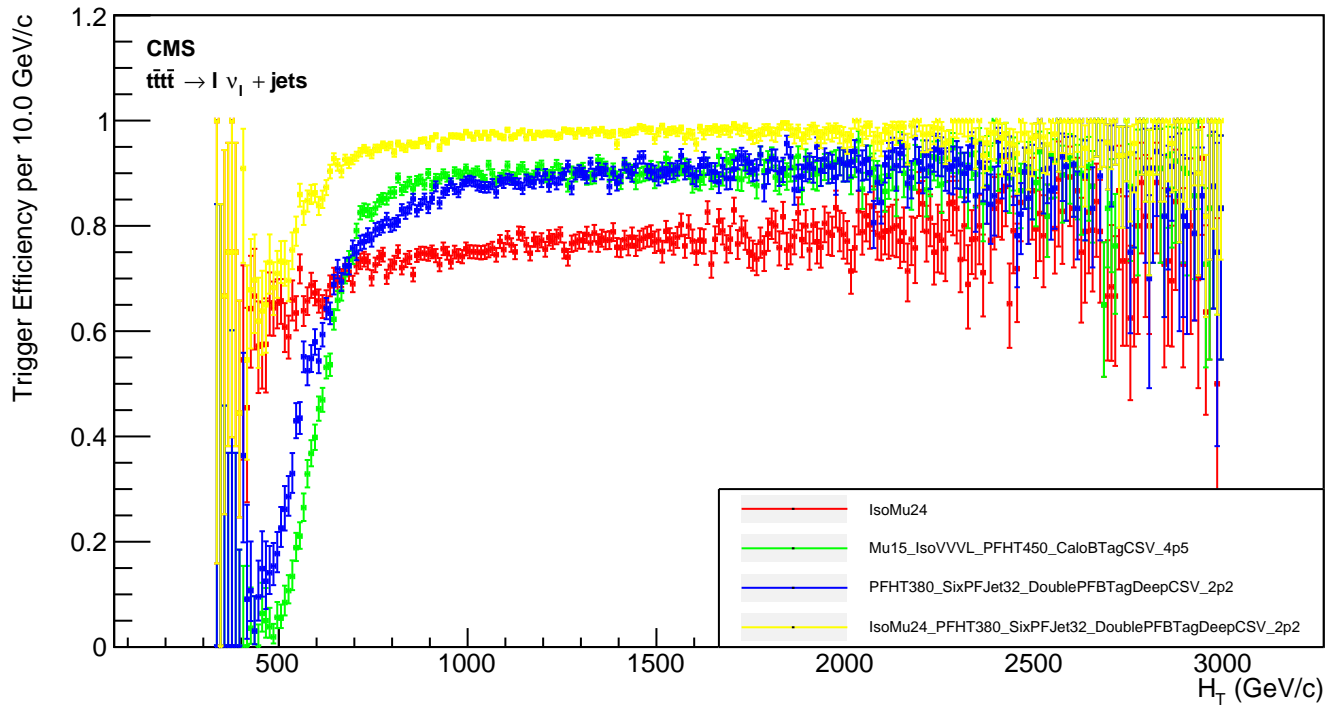
**Event Limit:** None (see last page)

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

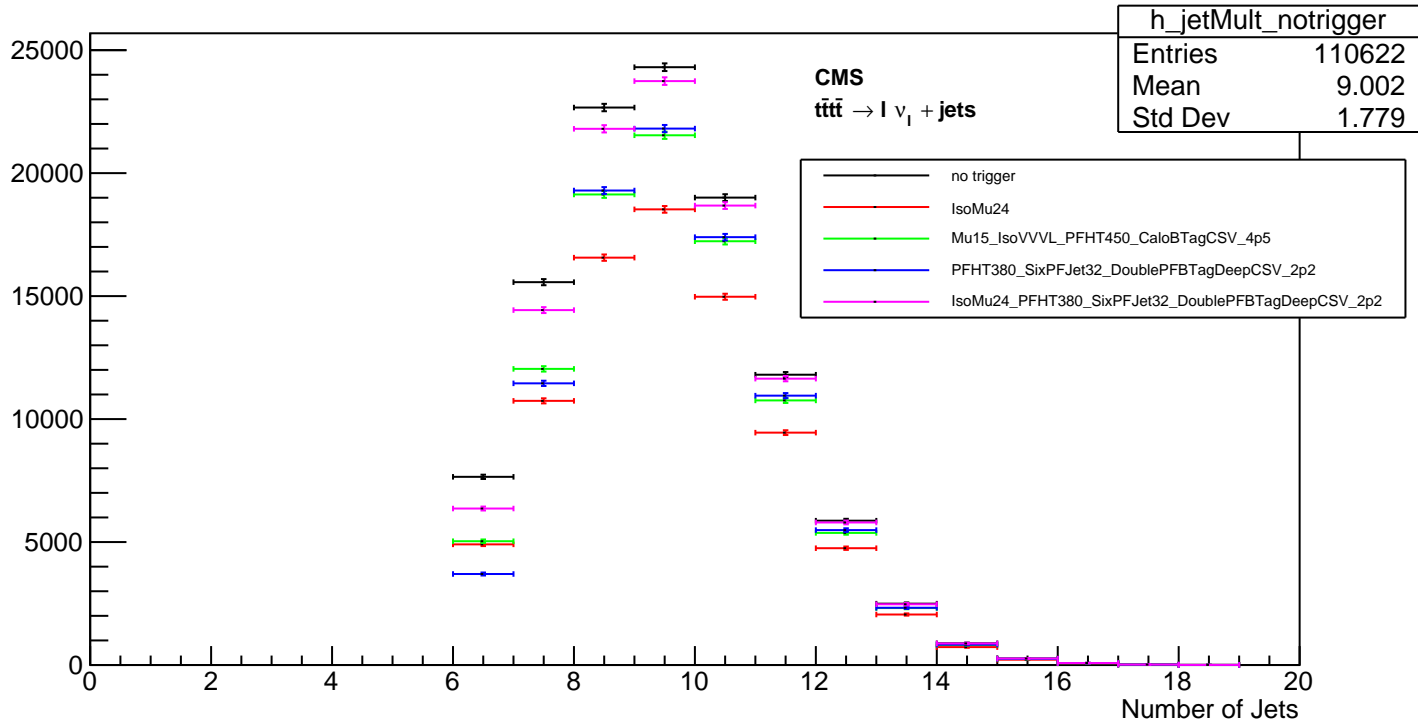
- **Jets:**  $\text{jetId} > 2$  ,  $p_T > 30$  and  $|\eta| < 2.4$  (for at least 6)  
 $\text{btagDeepFlavB} > 0.7489$  (for at least one jet)
- **Muons:** has tightId,  $|\eta| < 2.4$  and  $\text{miniPFRellso\_all} < 0.15$  (for at least 1)

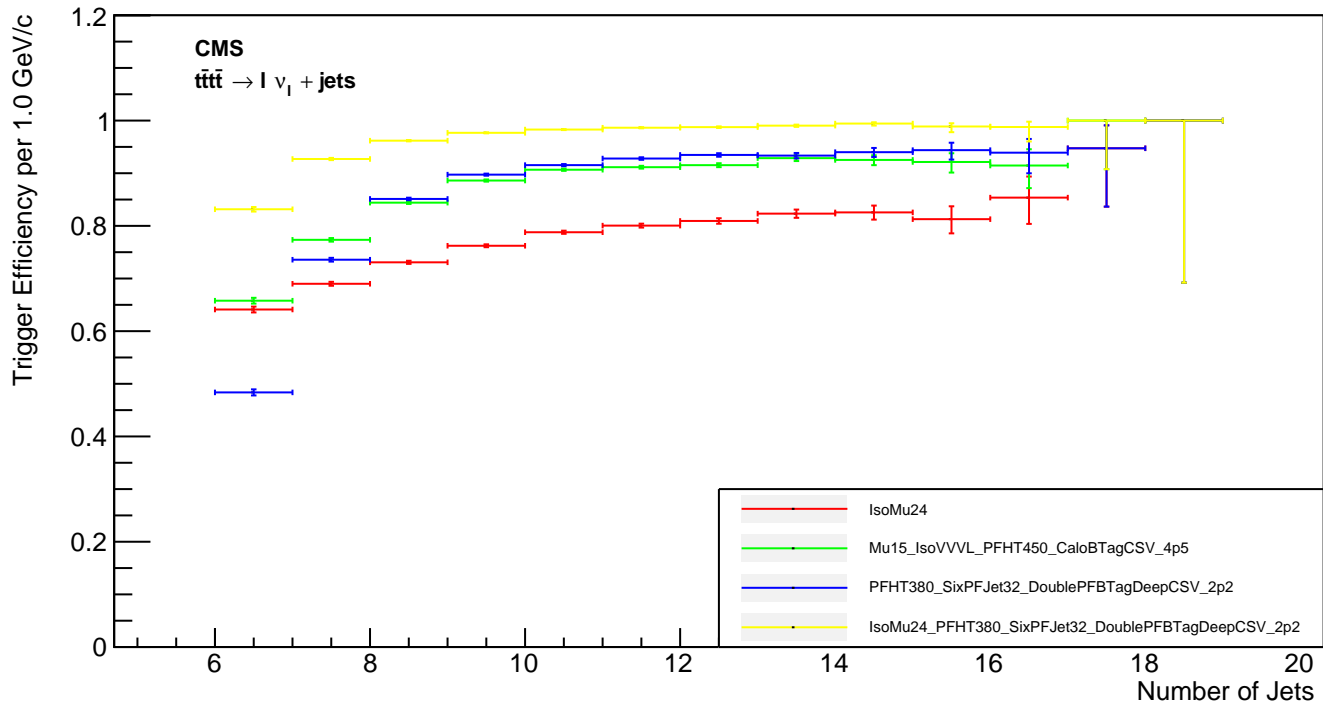
Number of Events per 10 GeV/c



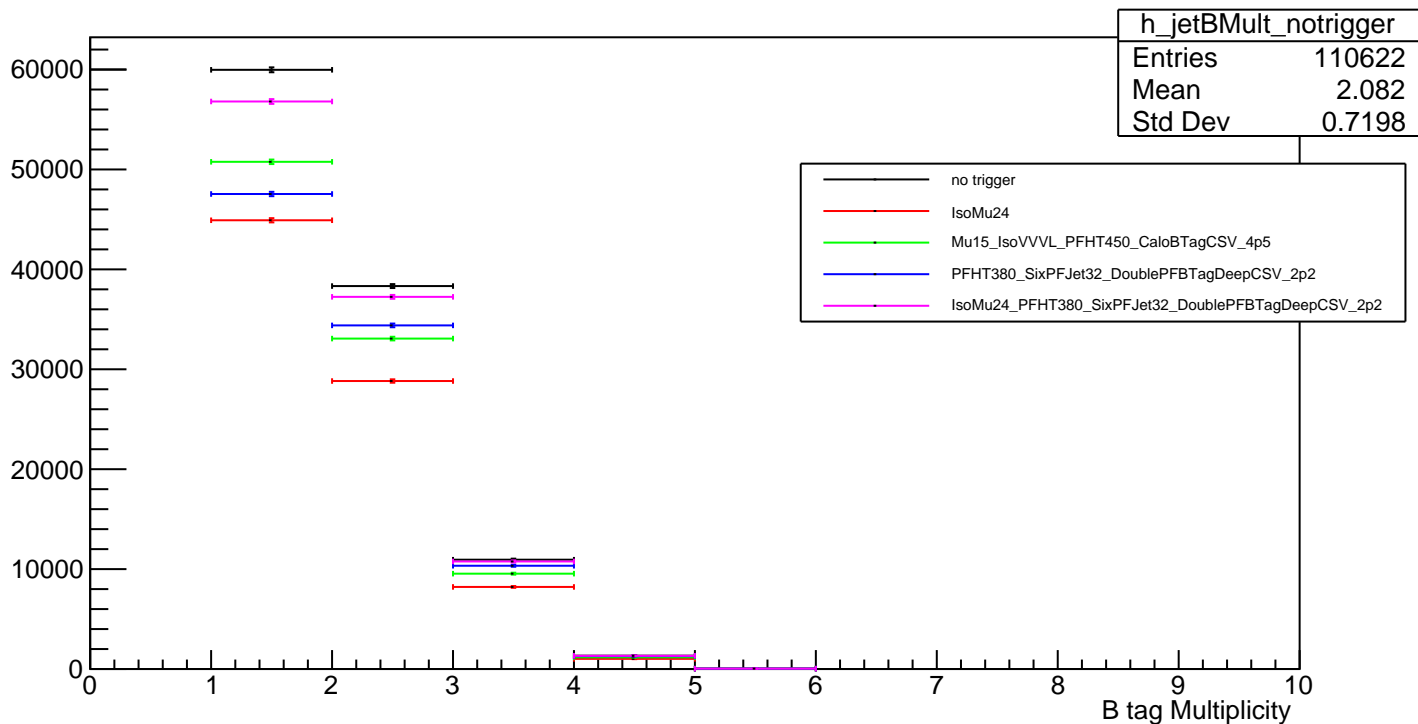


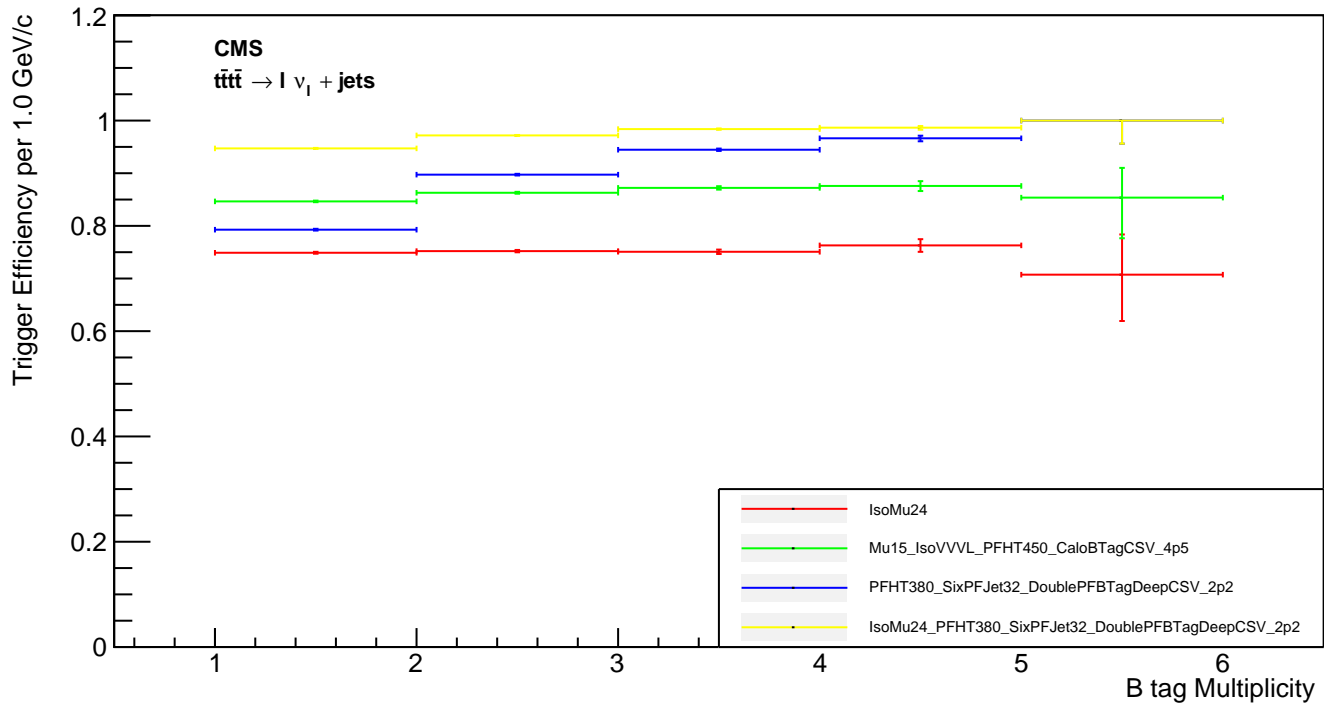
Number of Events per Number of Jets

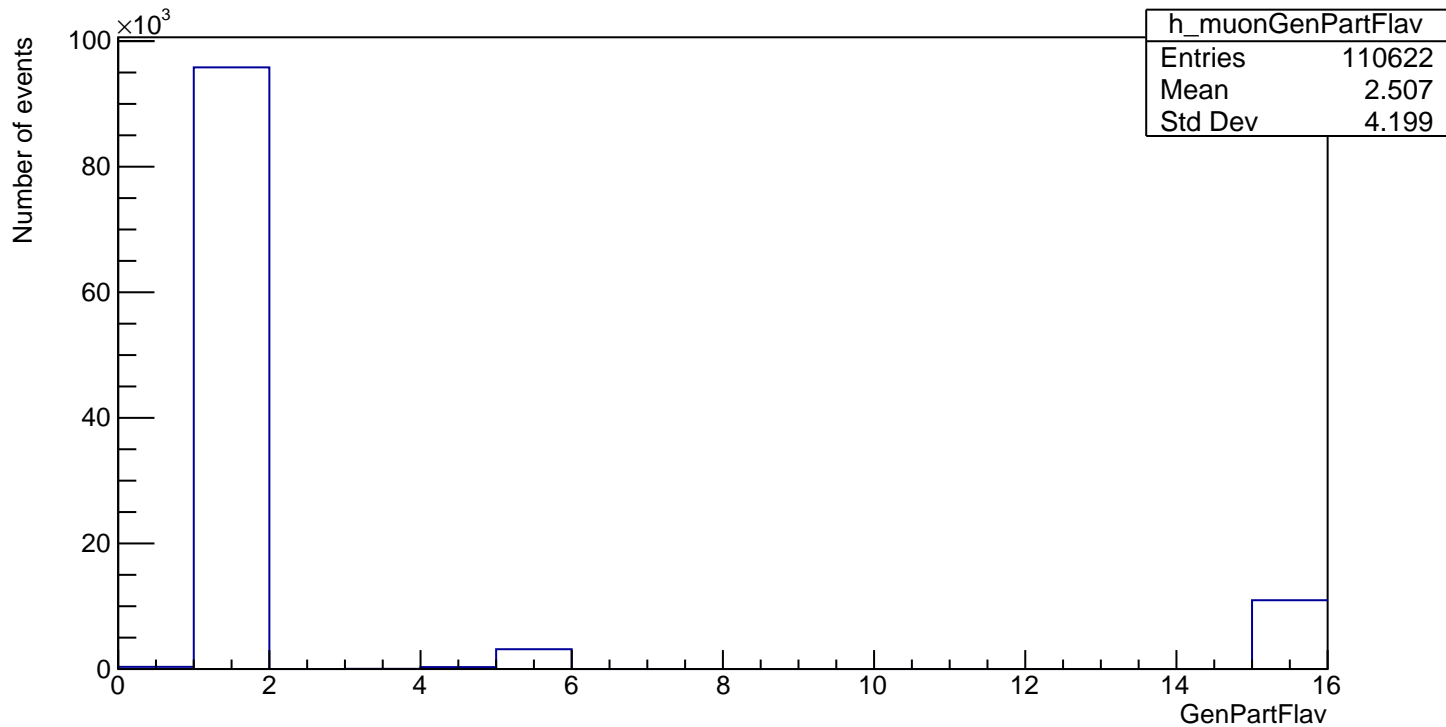




Number of Events per Number of Jets

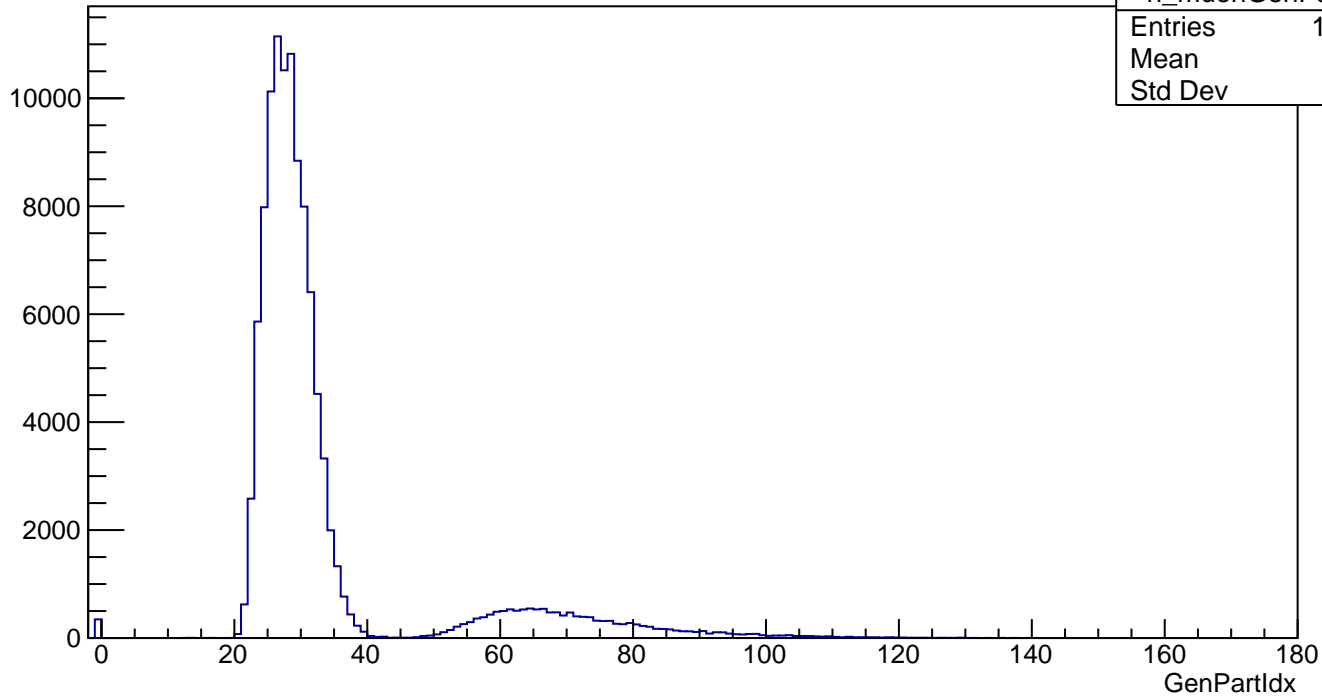


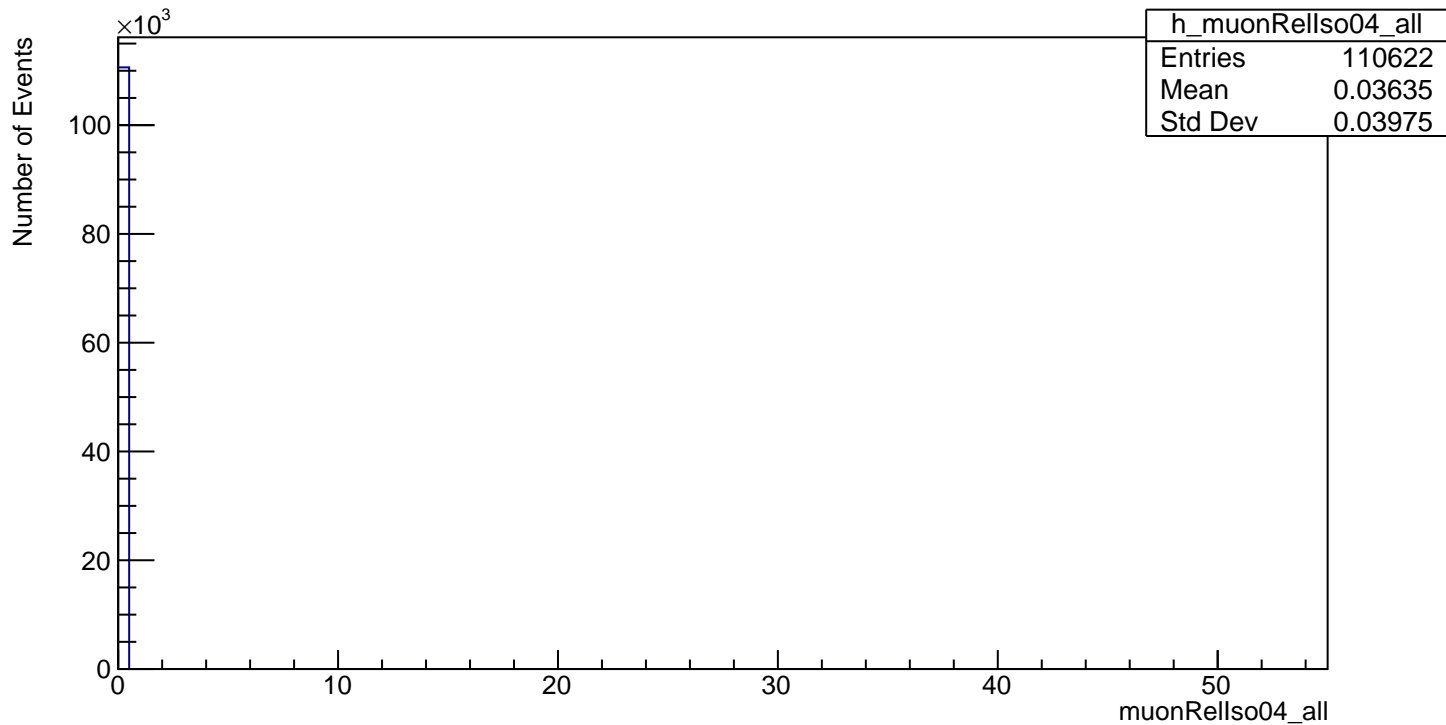




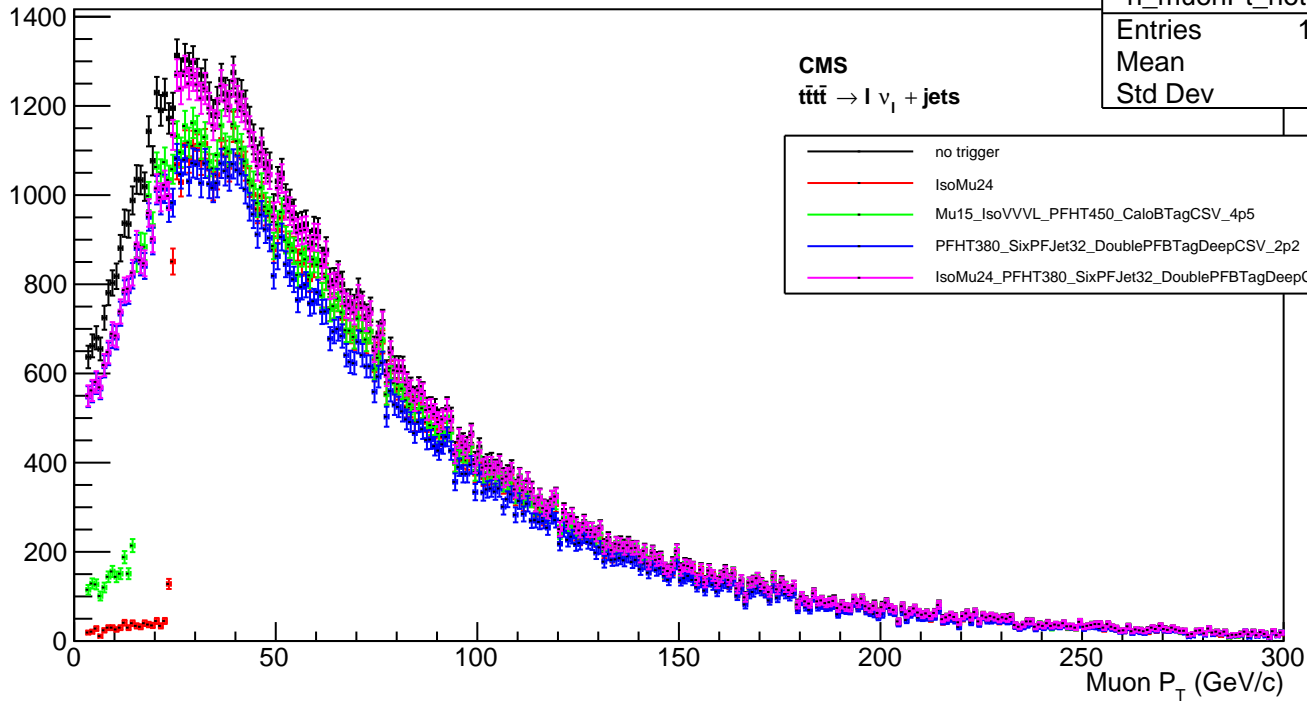


Number of events



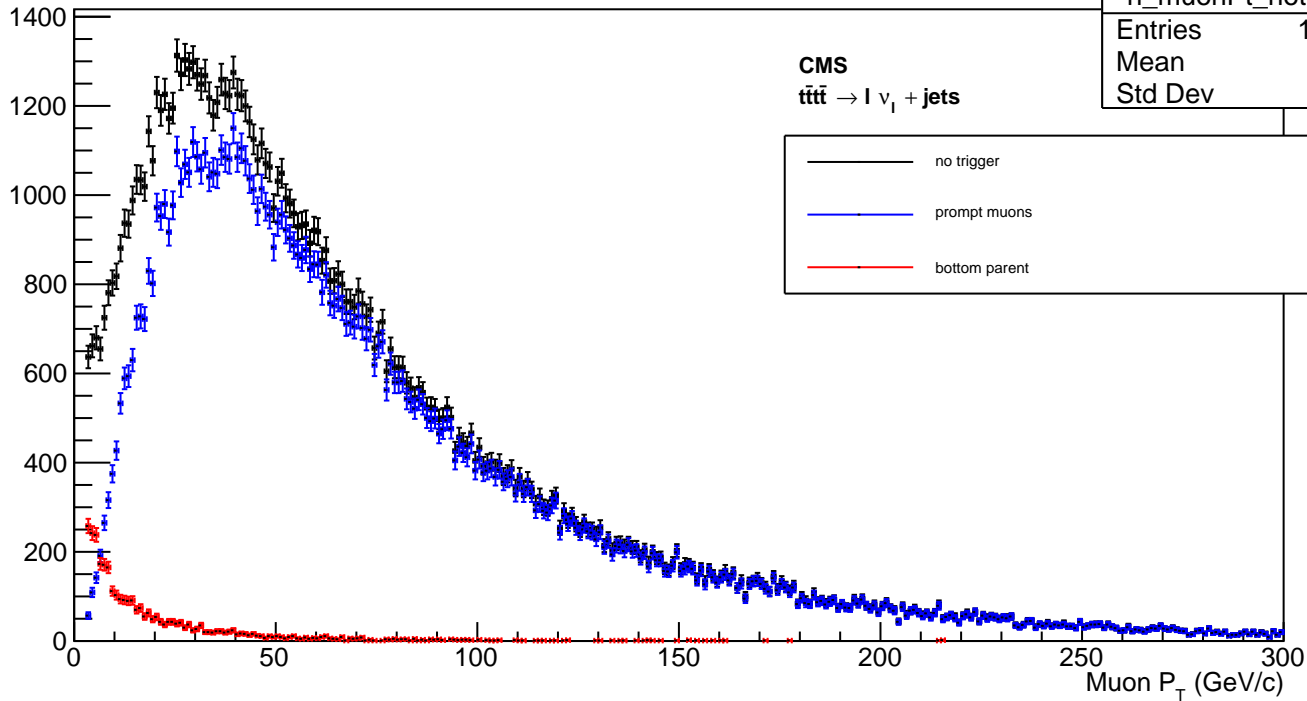


Number of Events per 1 GeV/c

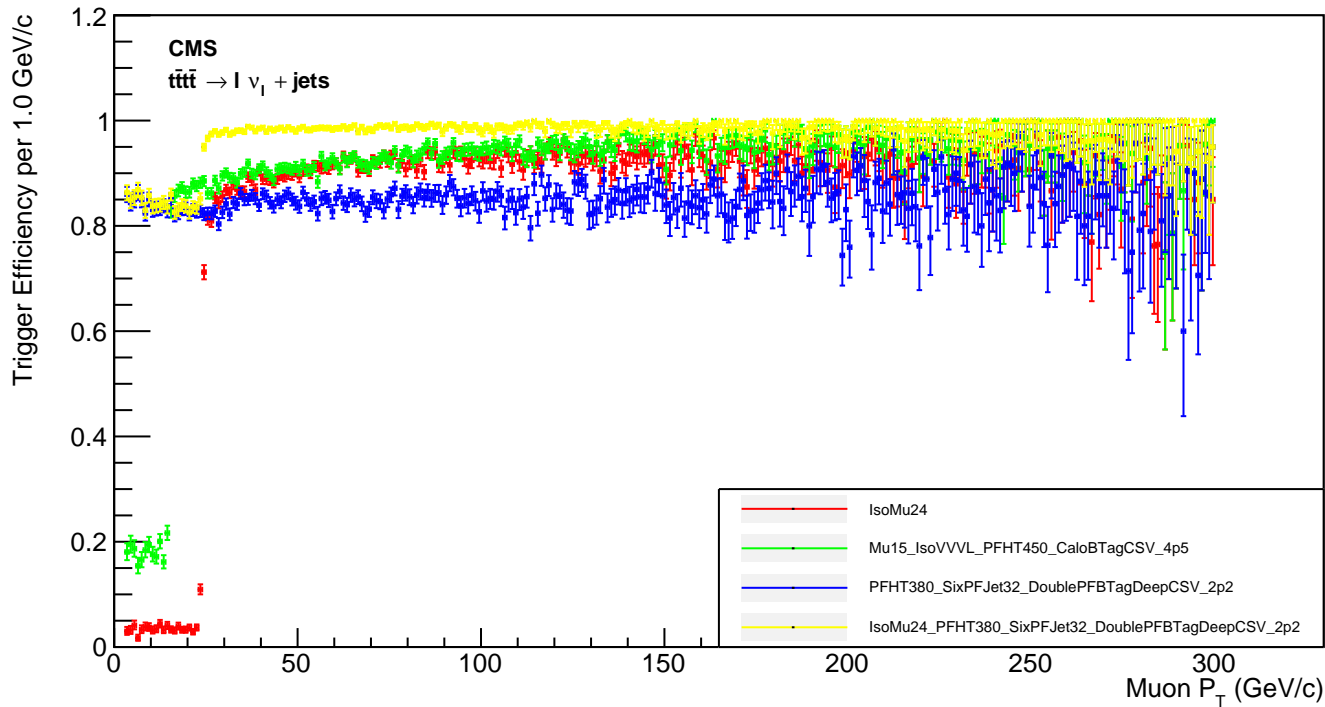


h_muonPt_notrigger	
Entries	110622
Mean	68.62
Std Dev	53.53

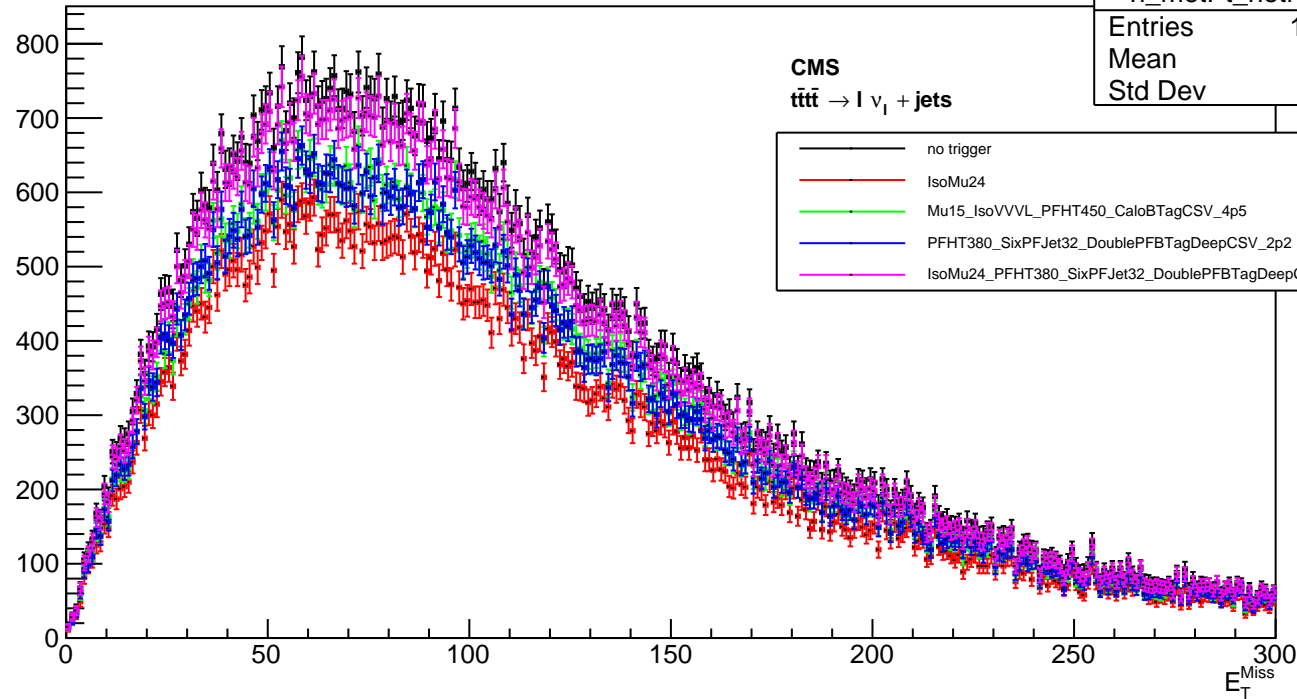
Number of Events per 1 GeV/c

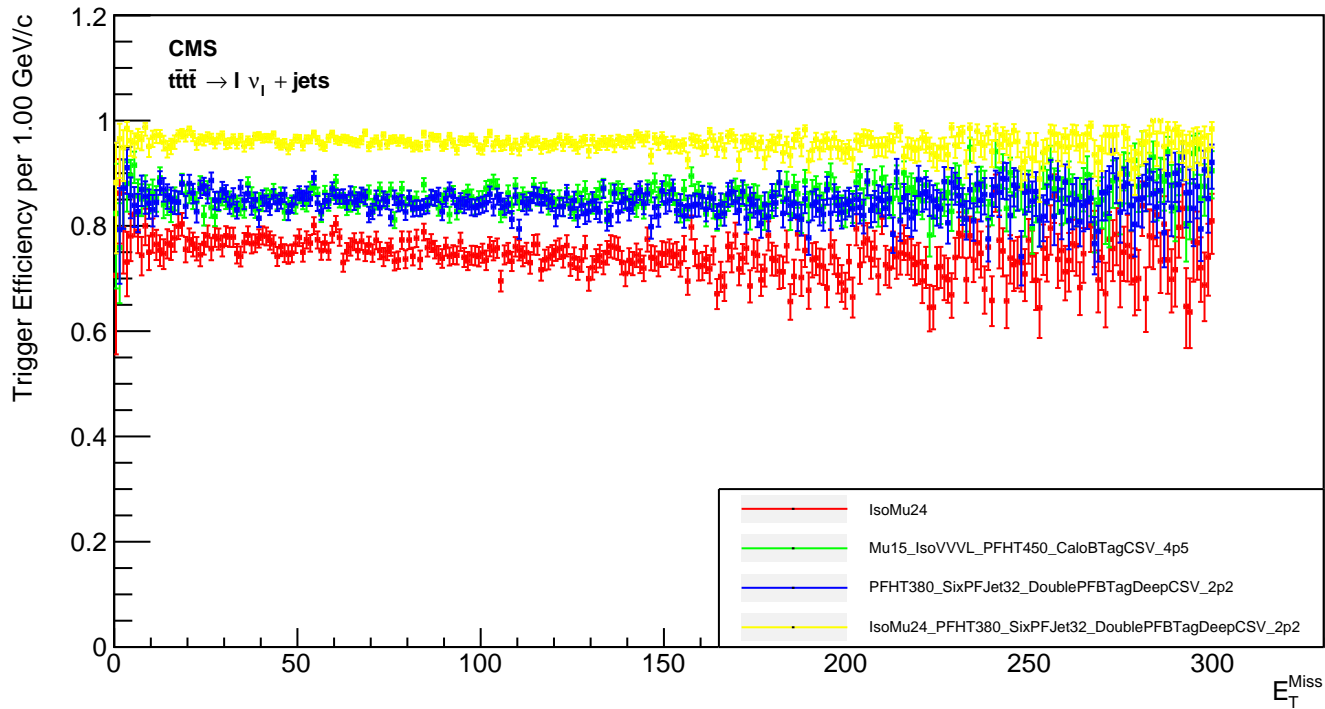


h_muonPt_notrigger	
Entries	110622
Mean	68.62
Std Dev	53.53

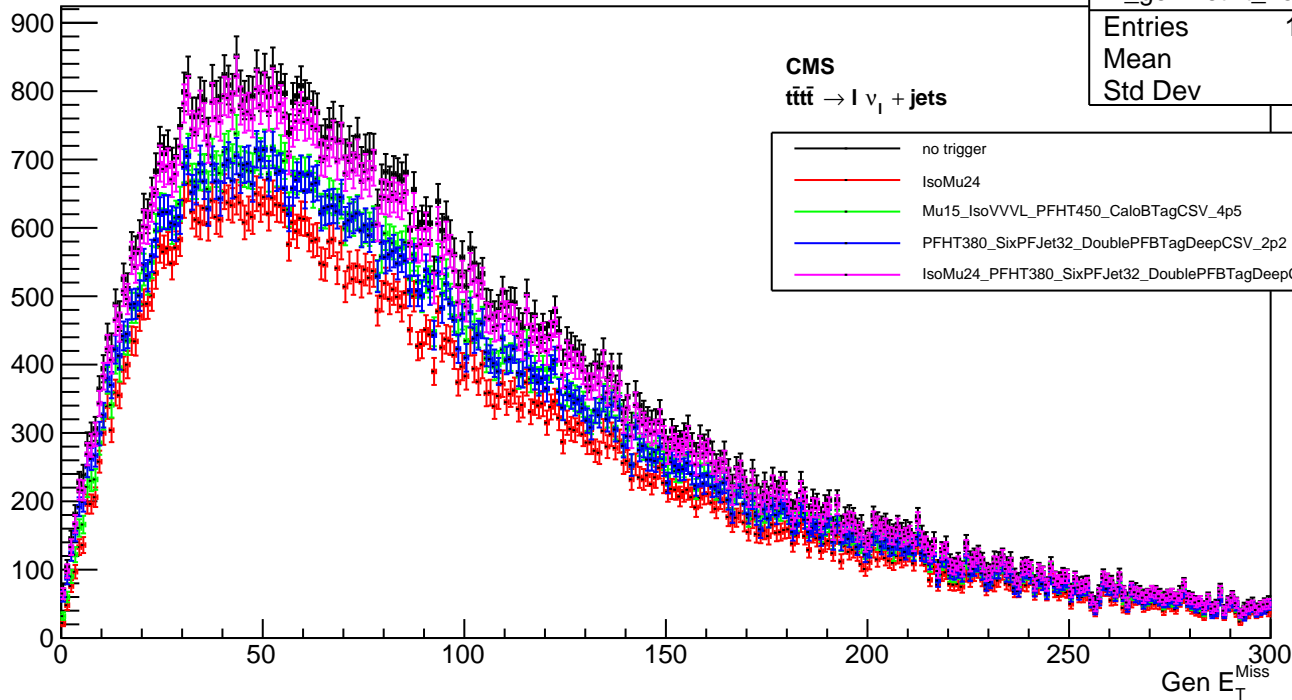


Number of Events per 1 GeV/c





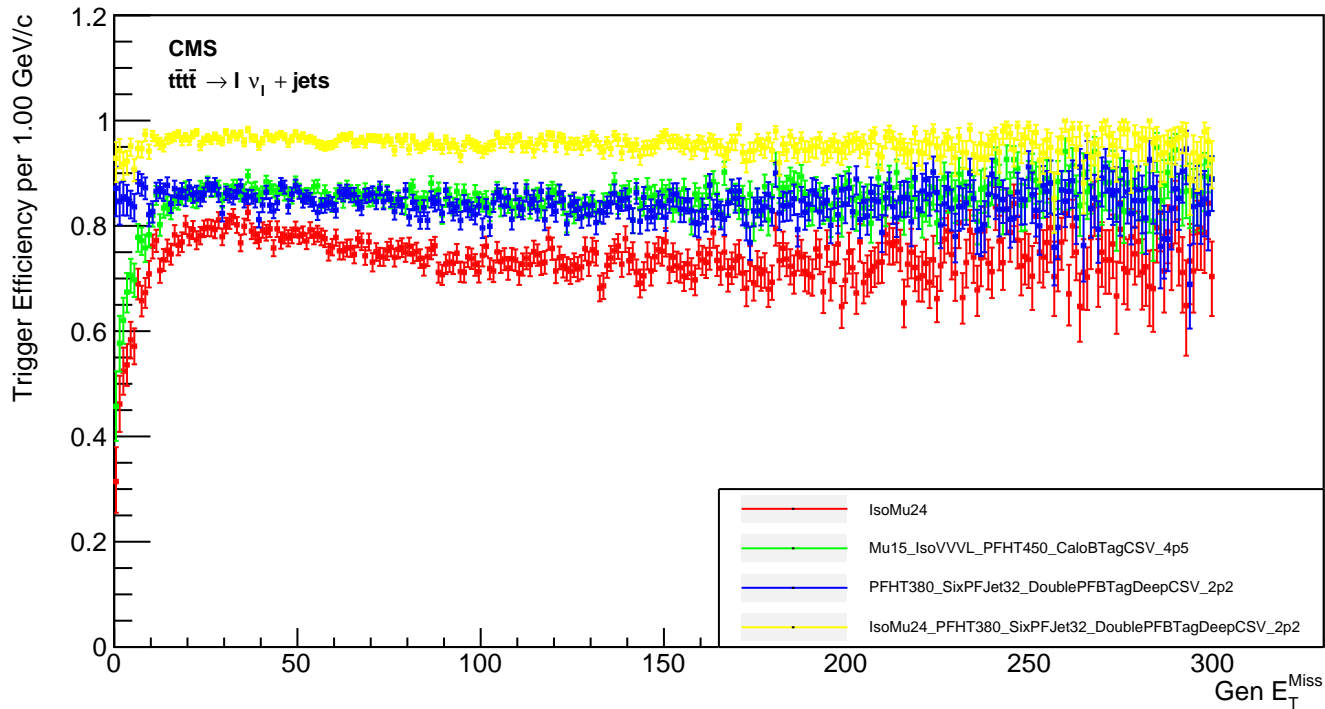
Number of Events per 1GeV/c



h\_genMetPt\_notrigger

Entries	110622
Mean	96.05
Std Dev	64.66





Trigger Efficiency per 0.0466666666666667 GeV/c

