

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

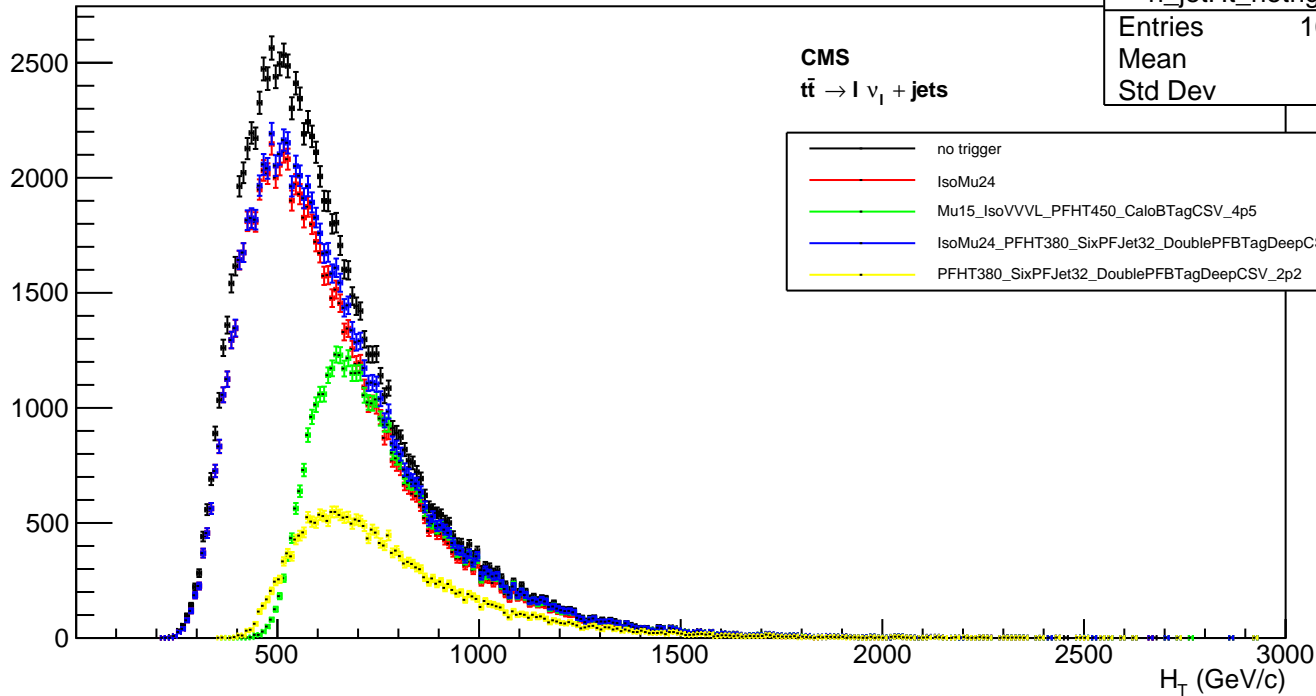
- **Jets:** number  $> 5$
- **Muons:** number  $> 0$
- **Electrons:** number  $> 0$

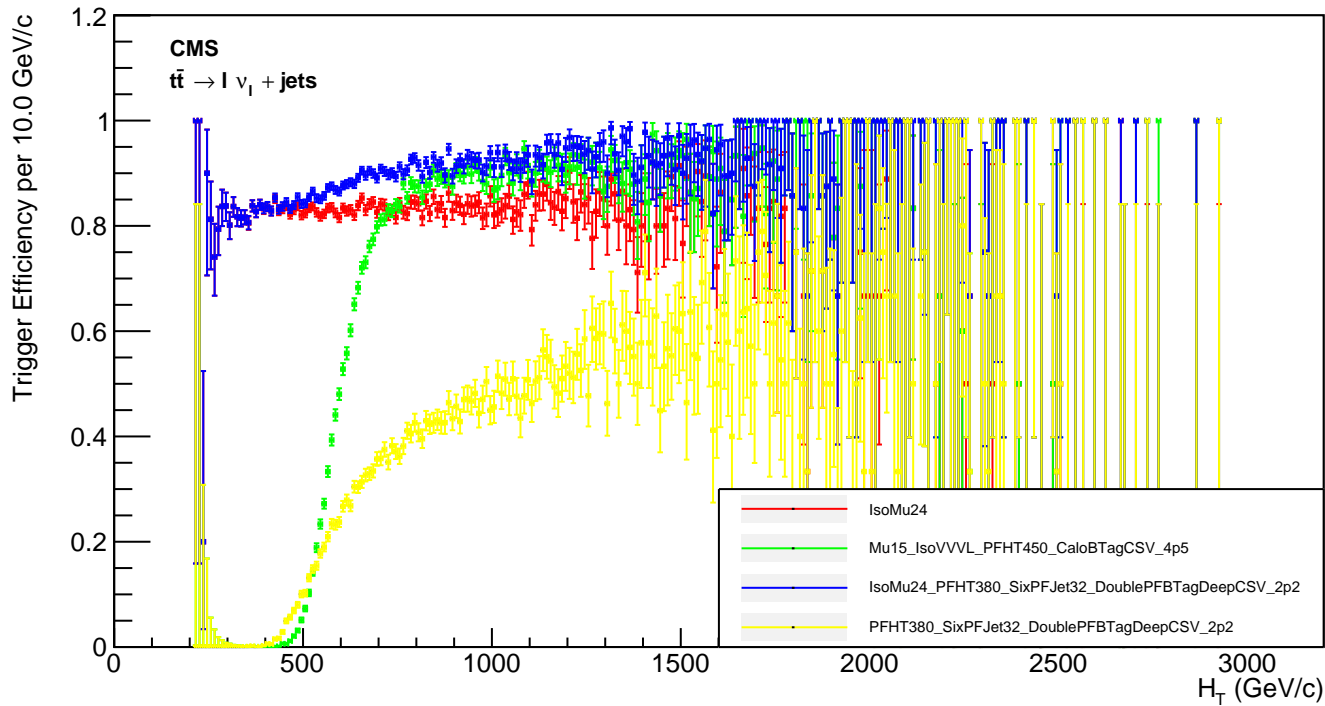
**Event Limit:** None (see last page)

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

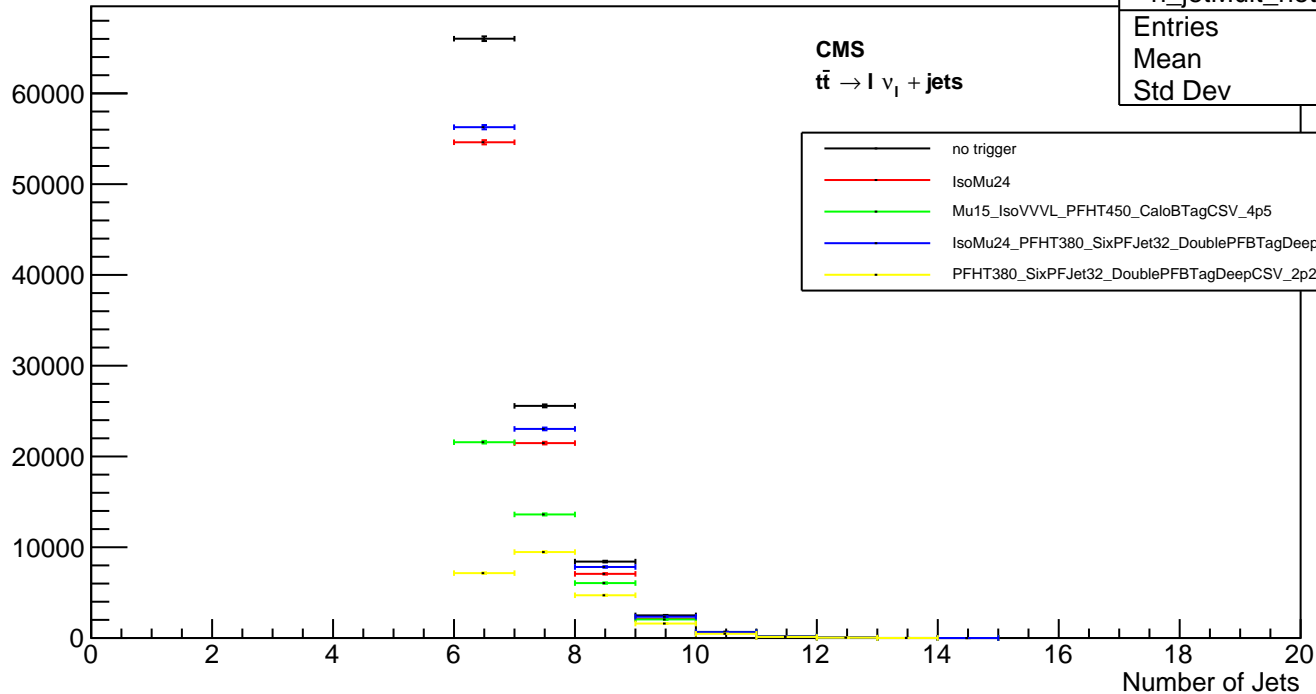
- **Jets:**  $\text{jetId} > 2$ ,  $p_T > 30$  and  $|\eta| < 2.4$  (for at least 6)  
 $\text{btagDeepFlavB} > 0.7489$  (for at least one jet)
- **Muons:** has tightId,  $|\eta| < 2.4$  and  $\text{miniPFRellso\_all} < 0.15$  (for at least 1)

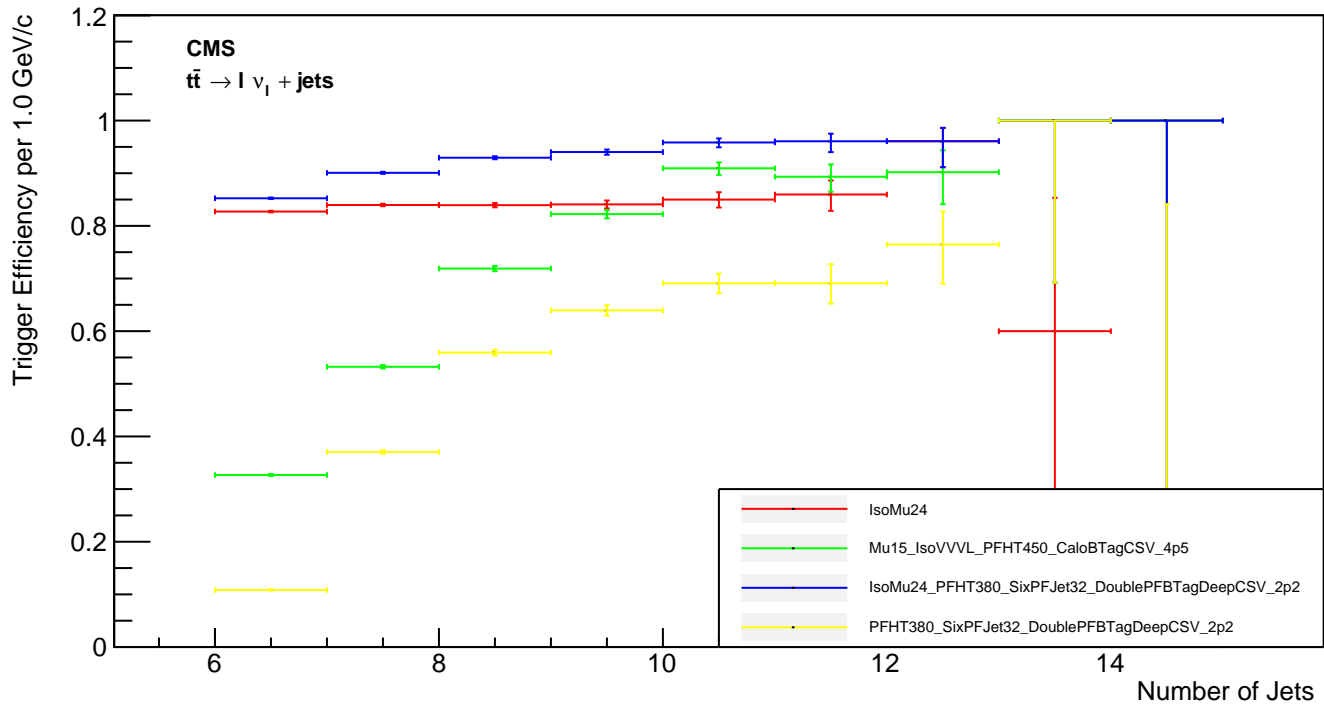
Number of Events per 10 GeV/c



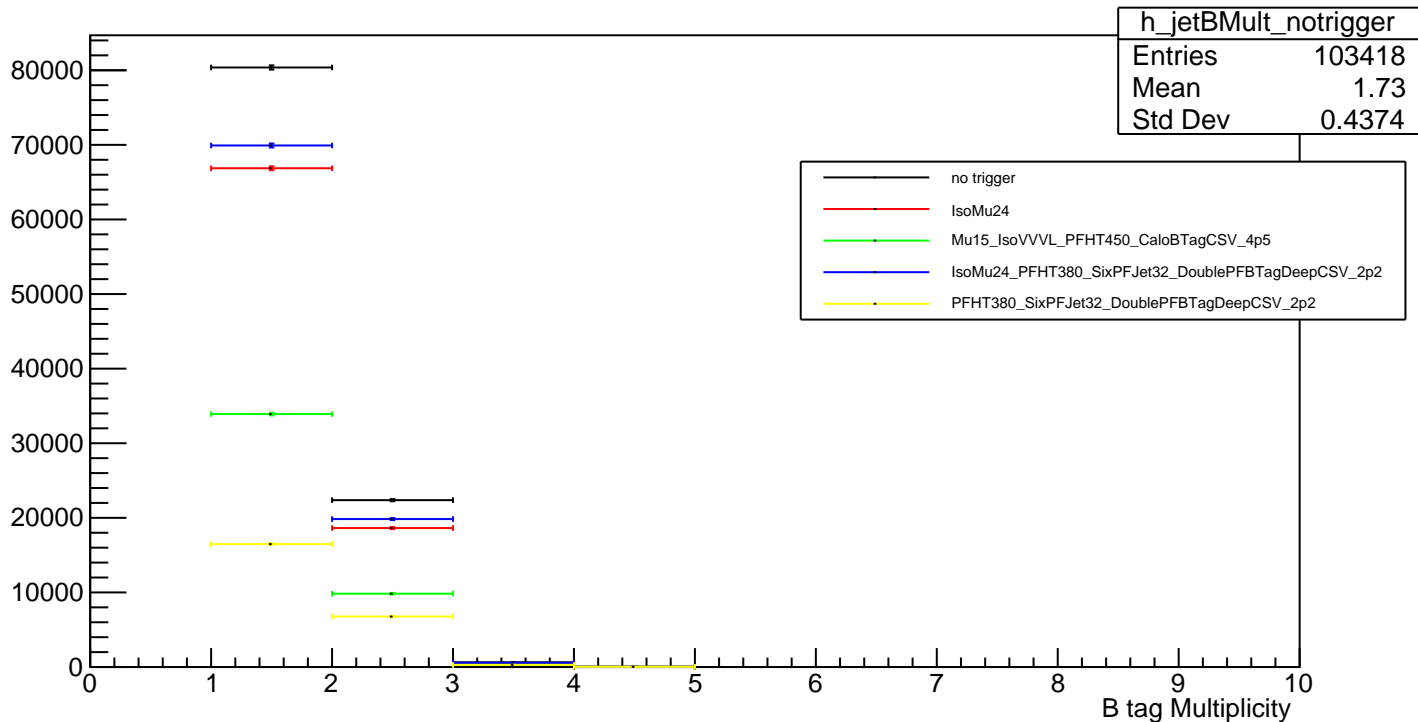


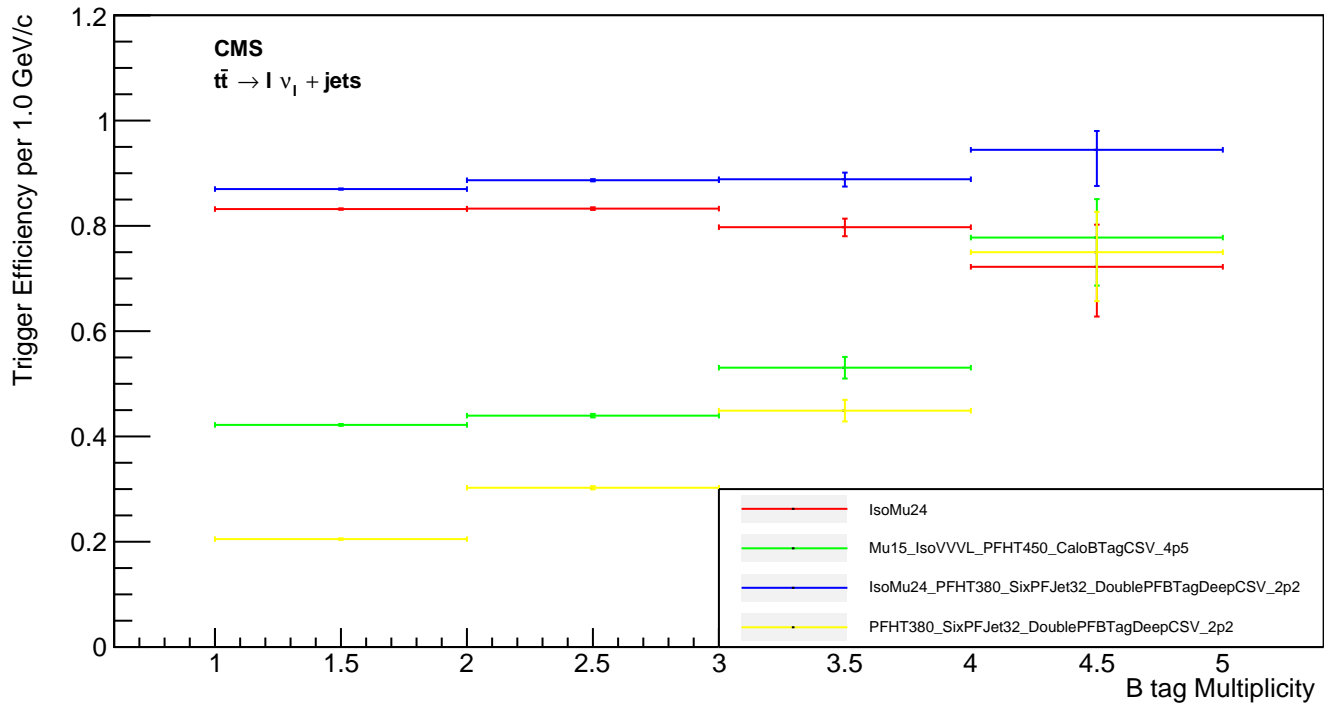
Number of Events per Number of Jets



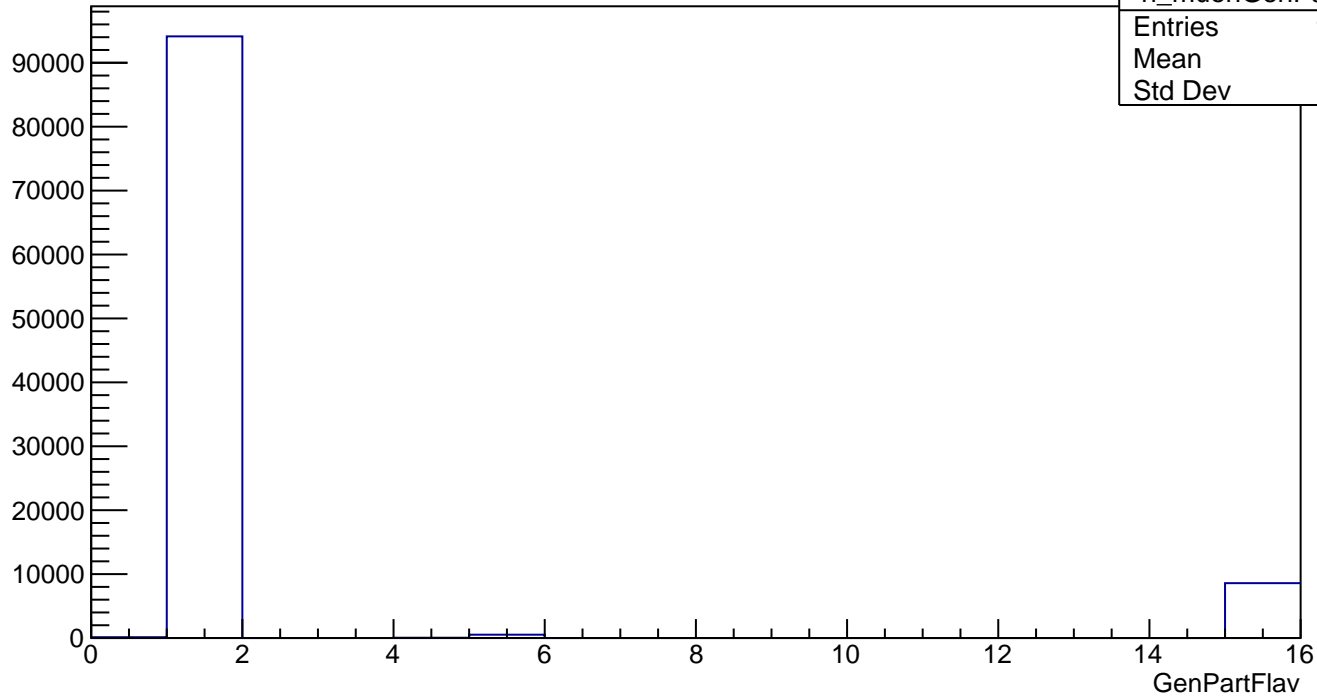


Number of Events per Number of Jets





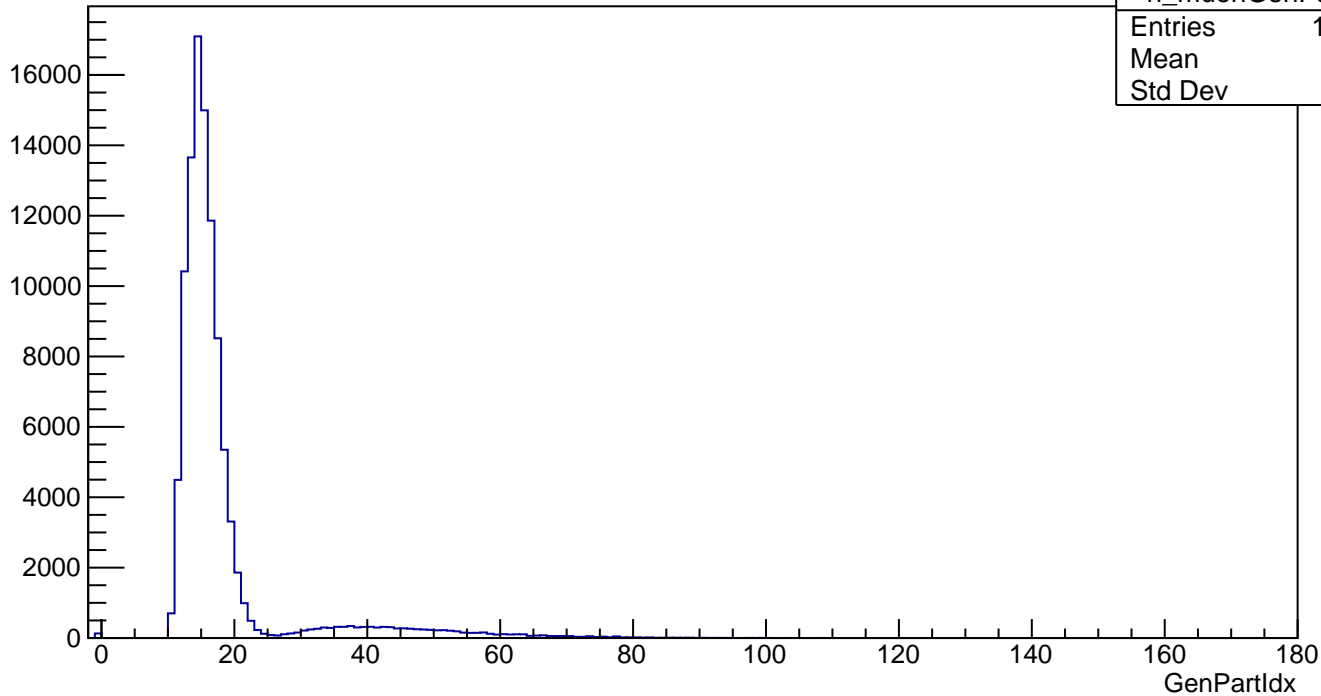
Number of events

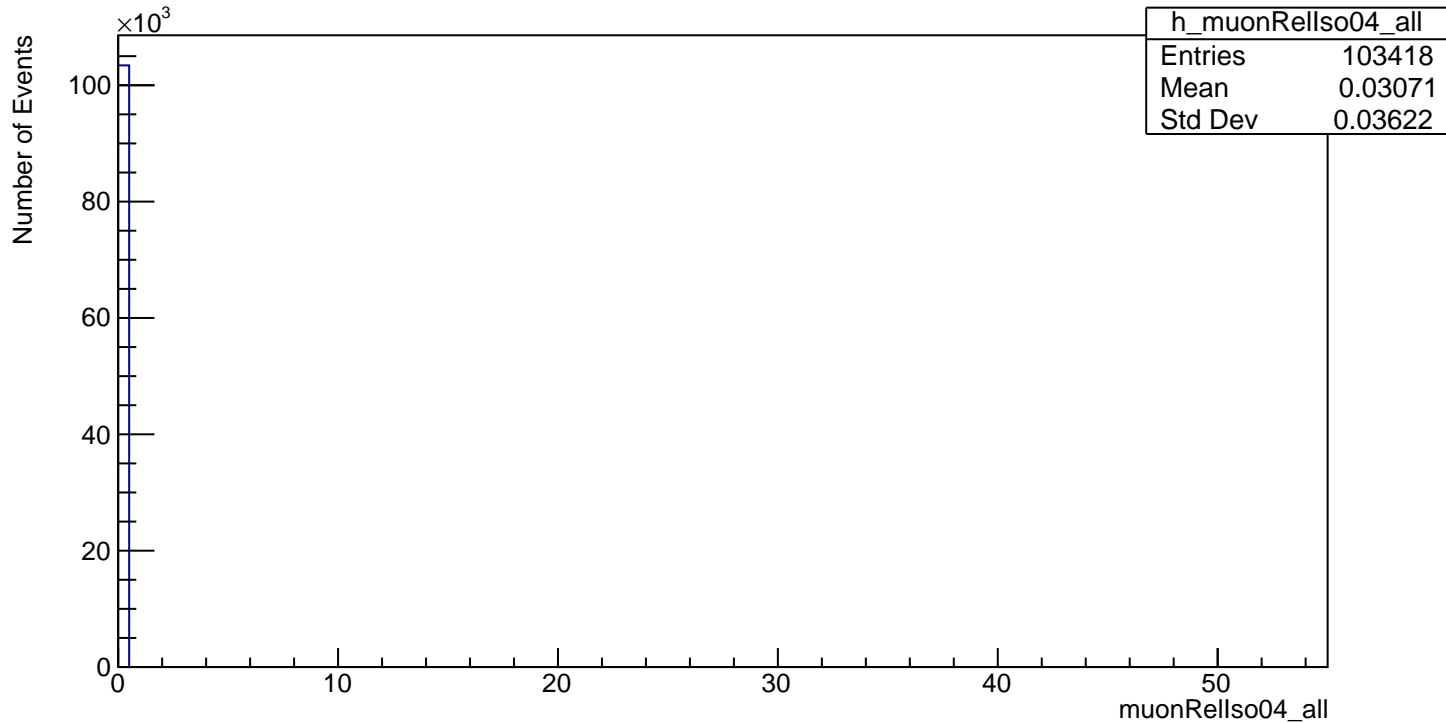


h_muonGenPartFlav	
Entries	103418
Mean	2.183
Std Dev	3.868

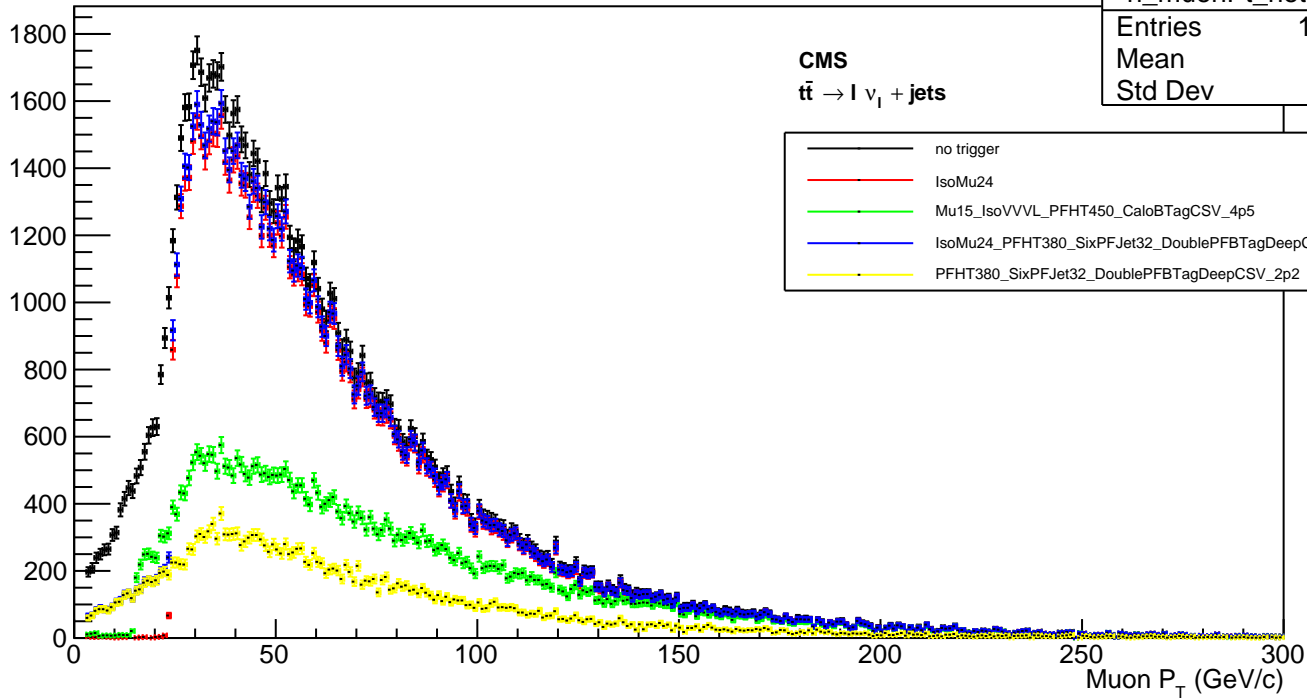


Number of events



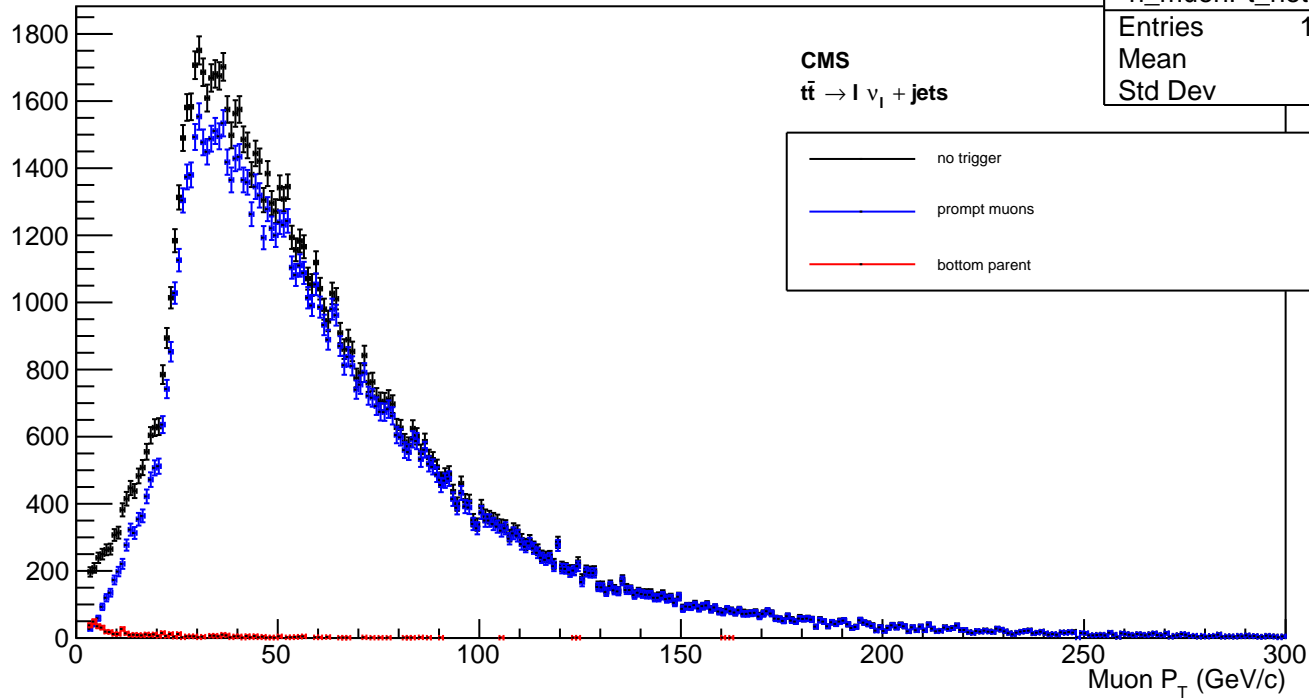


Number of Events per 1 GeV/c

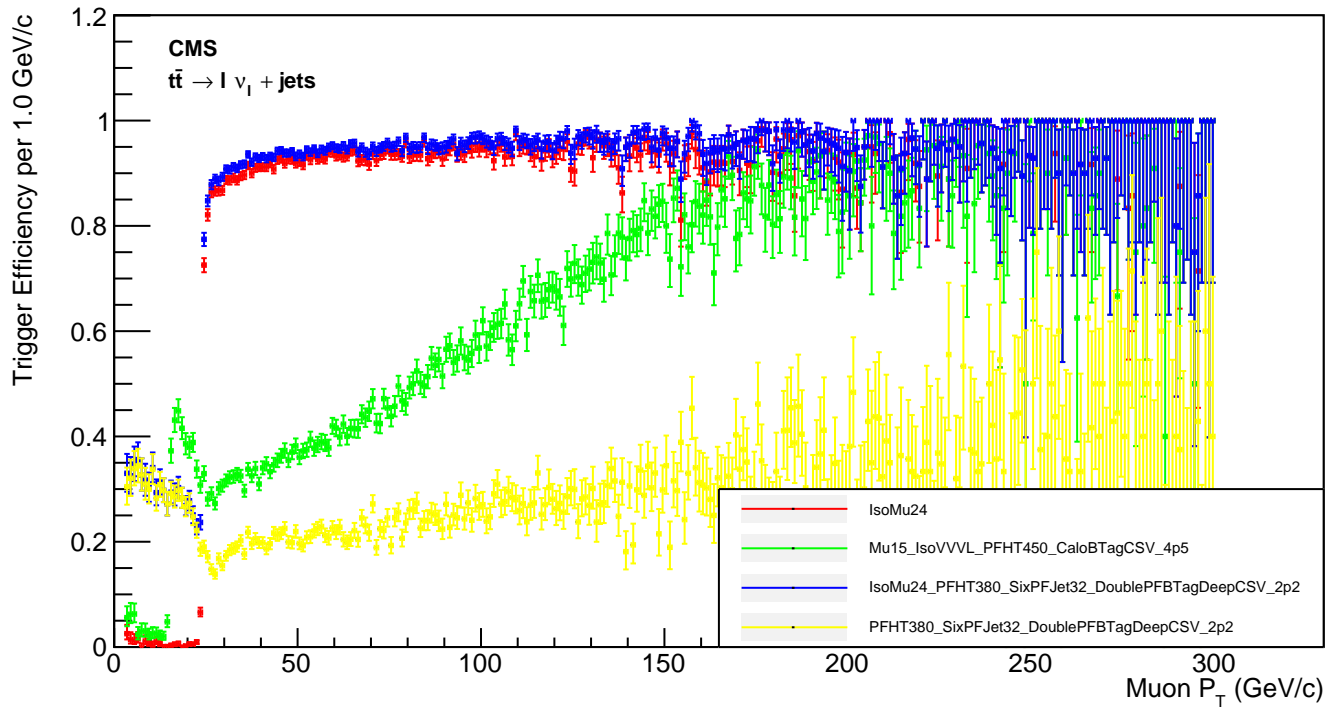


h_muonPt_notrigger	
Entries	103418
Mean	62.86
Std Dev	41.75

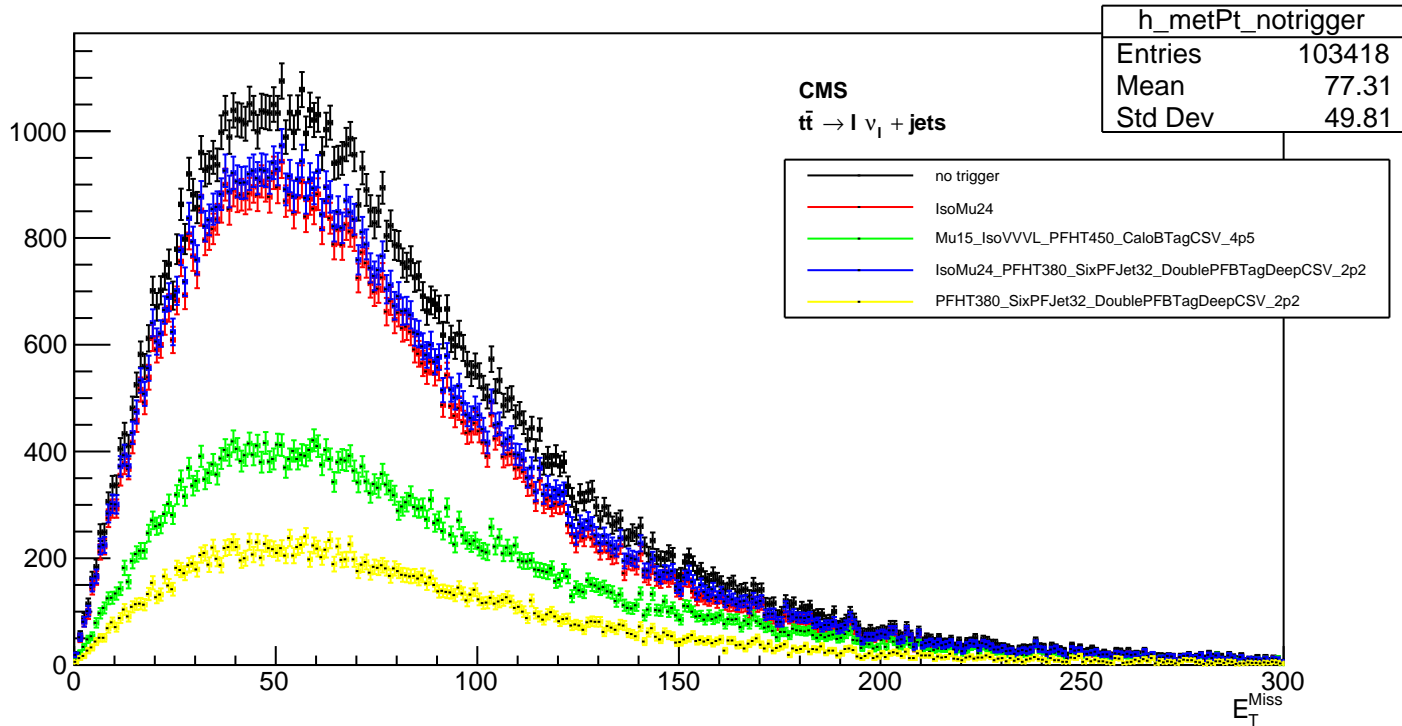
Number of Events per 1 GeV/c

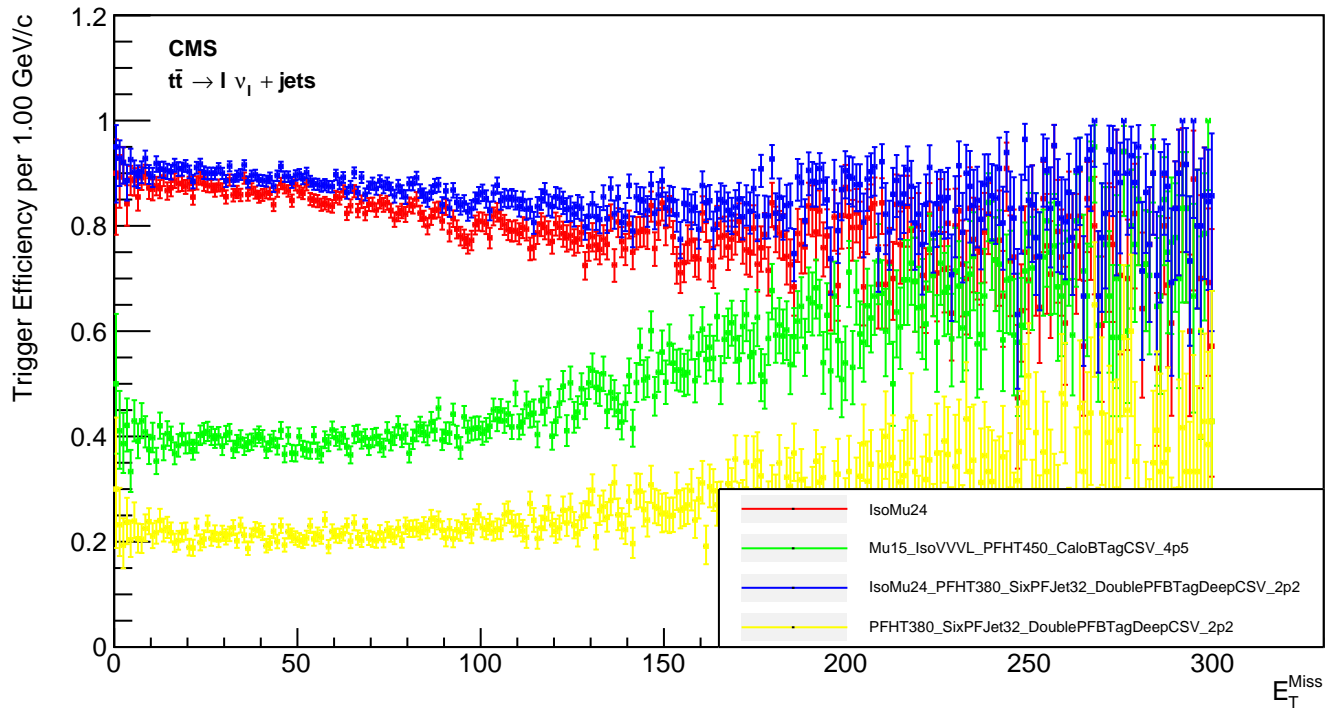


h_muonPt_notrigger	
Entries	103418
Mean	62.86
Std Dev	41.75

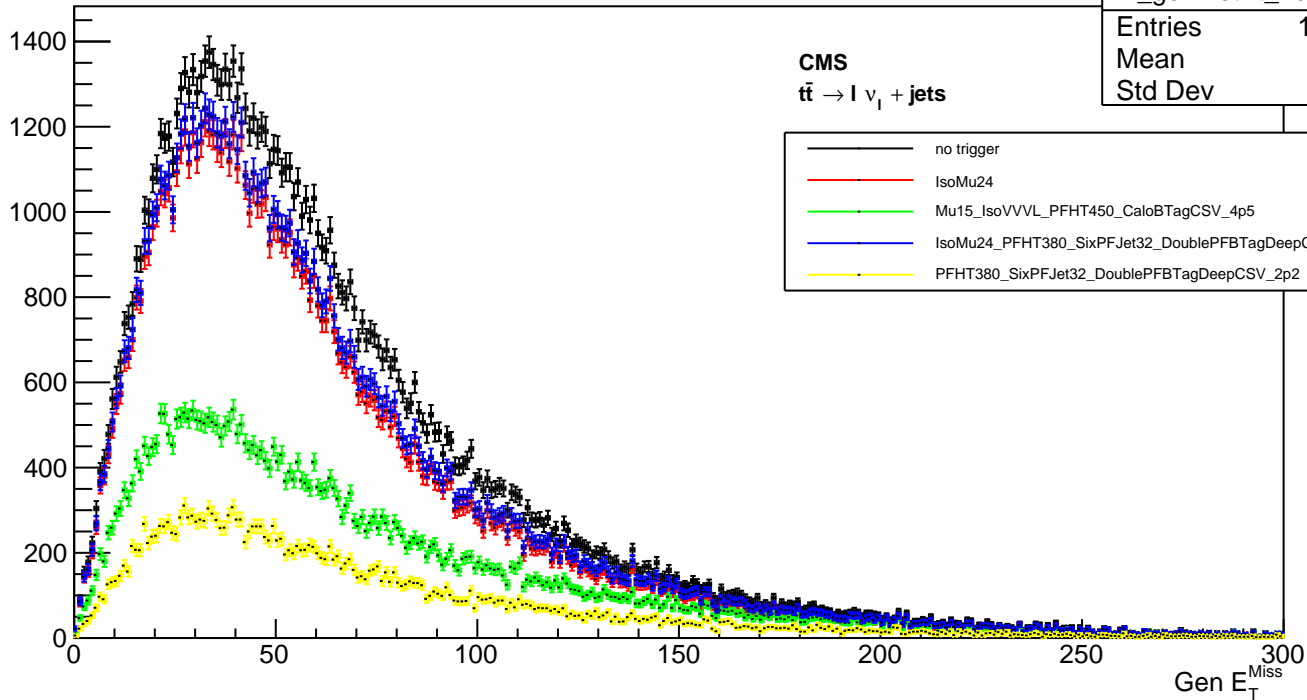


Number of Events per 1 GeV/c





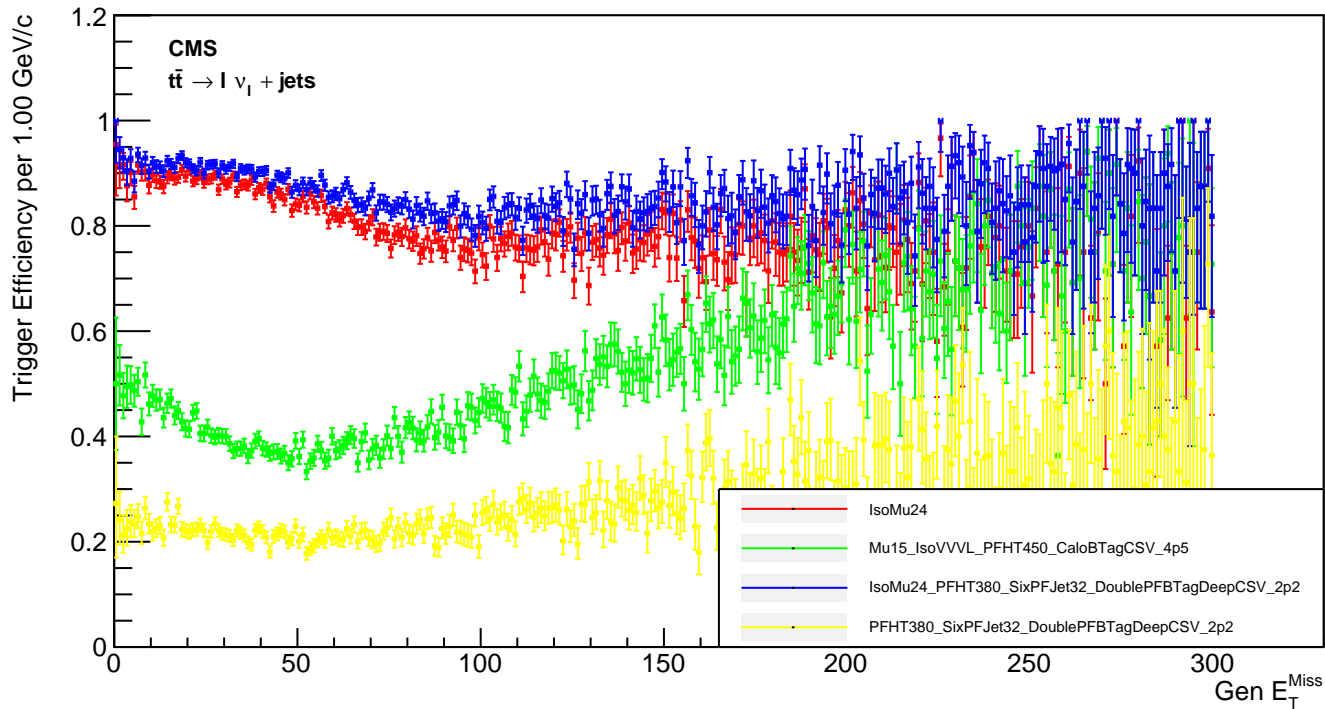
Number of Events per 1GeV/c



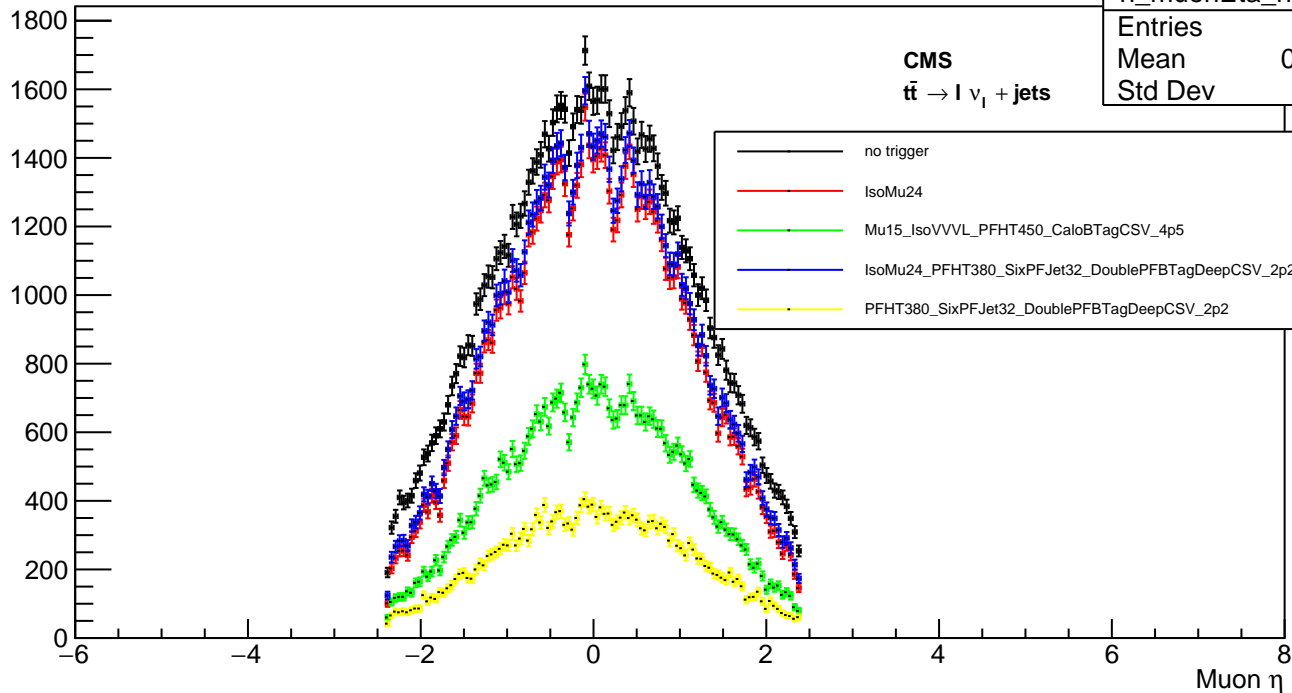
h\_genMetPt\_notrigger

Entries	103418
Mean	64.75
Std Dev	47.2





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



h_muonEta_notrigger	
Entries	103418
Mean	0.001301
Std Dev	1.101

