

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

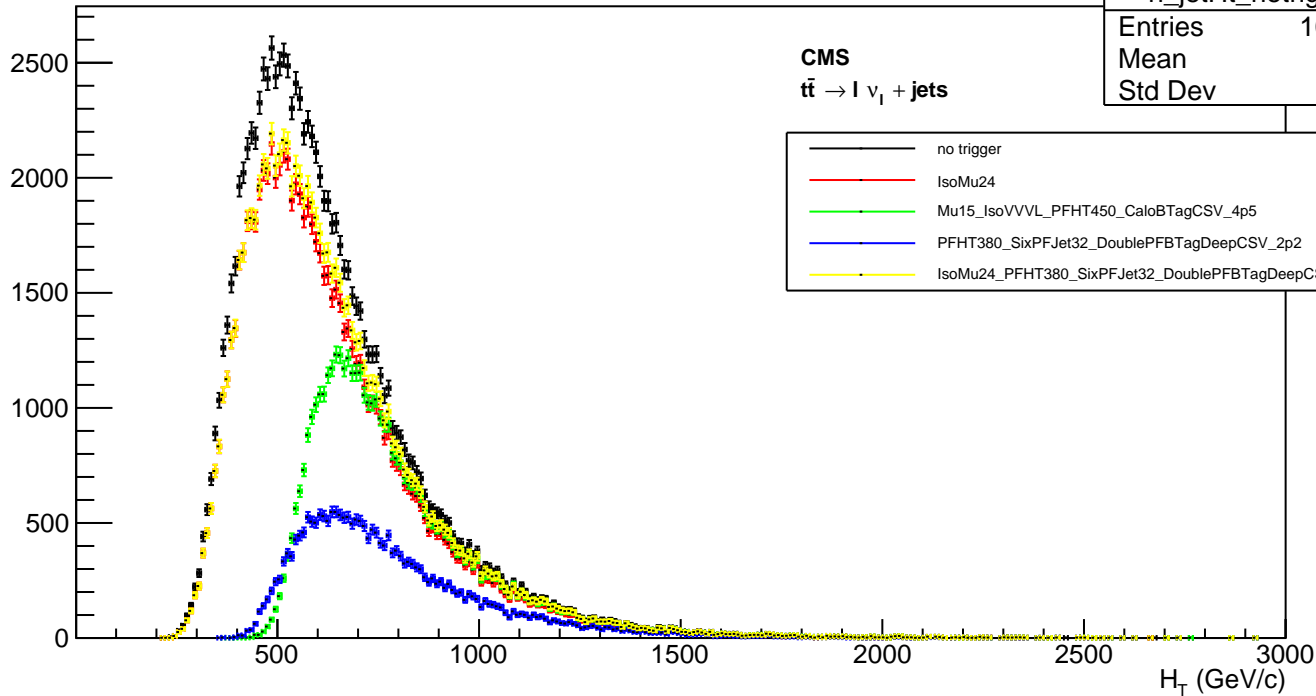
- **Jets:** number  $> 5$
- **Muons:** number  $> 0$
- **Electrons:** number  $> 0$

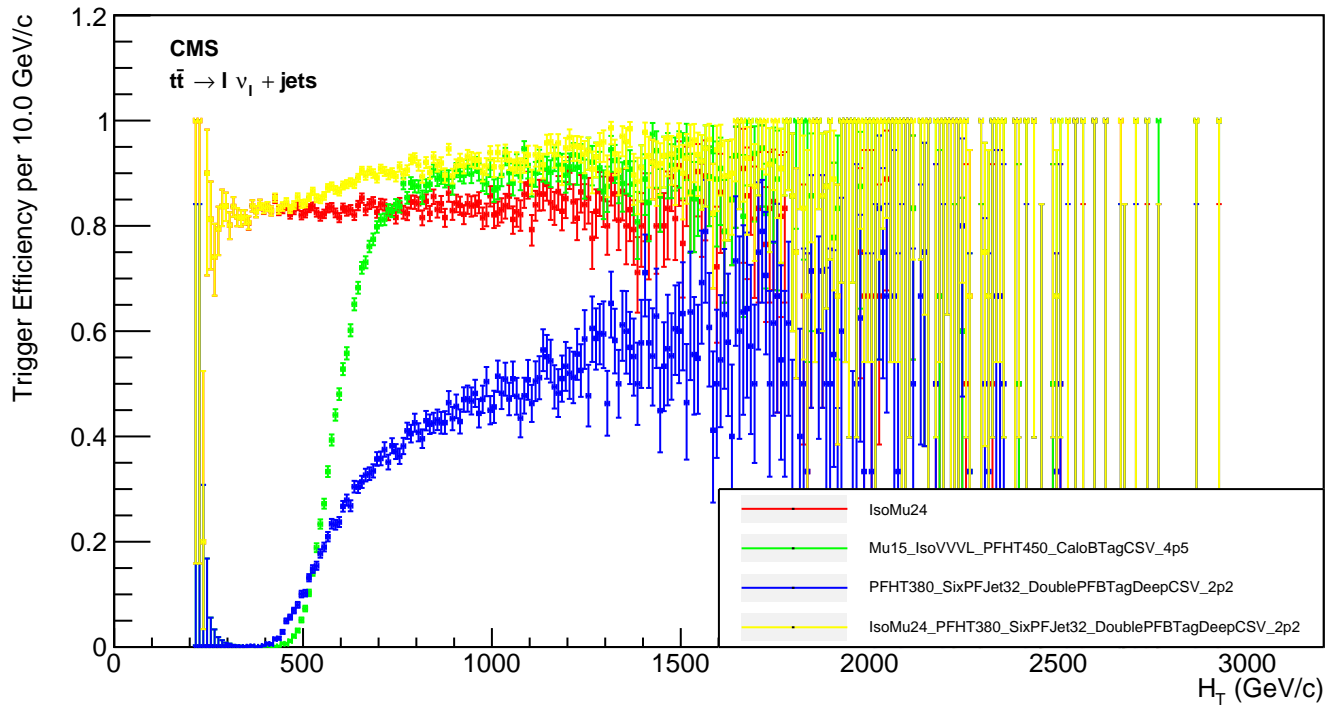
**Event Limit:** None (see last page)

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

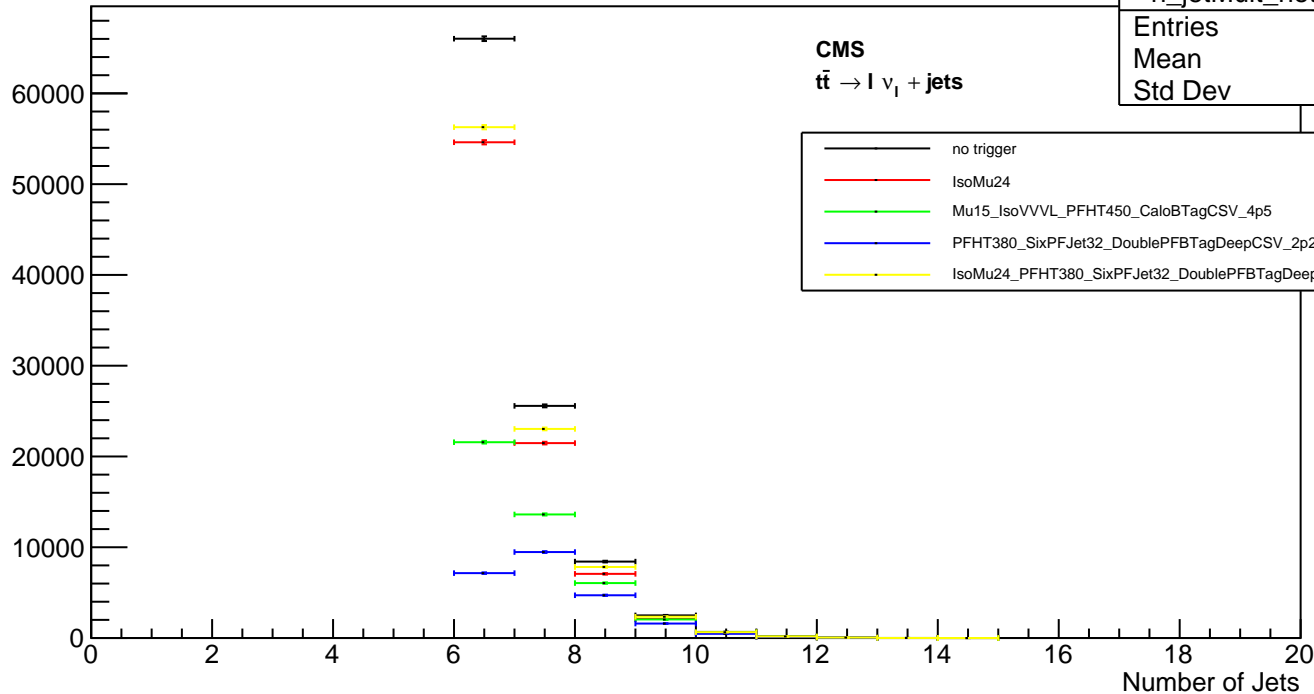
- **Jets:**  $\text{jetId} > 2$ ,  $p_T > 30$  and  $|\eta| < 2.4$  (for at least 6)  
 $\text{btagDeepFlavB} > 0.7489$  (for at least one jet)
- **Muons:** has tightId,  $|\eta| < 2.4$  and  $\text{miniPFRellso\_all} < 0.15$  (for at least 1)

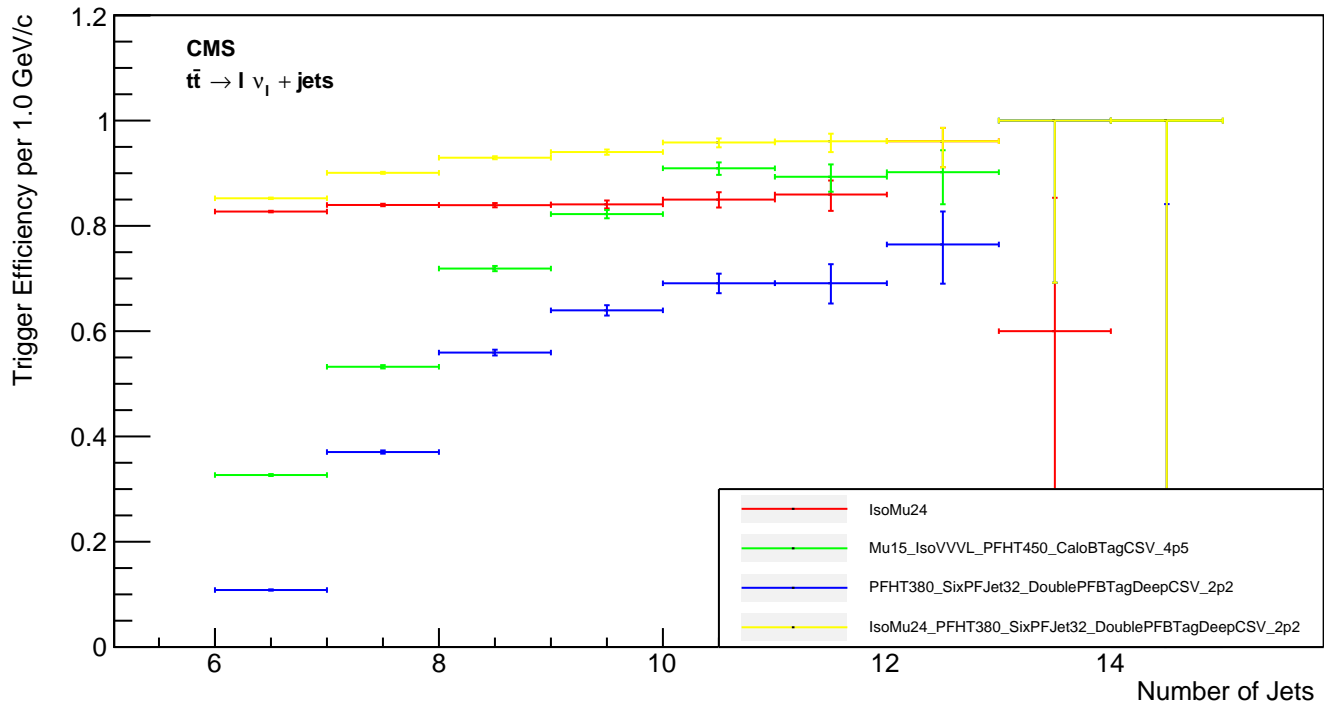
Number of Events per 10 GeV/c



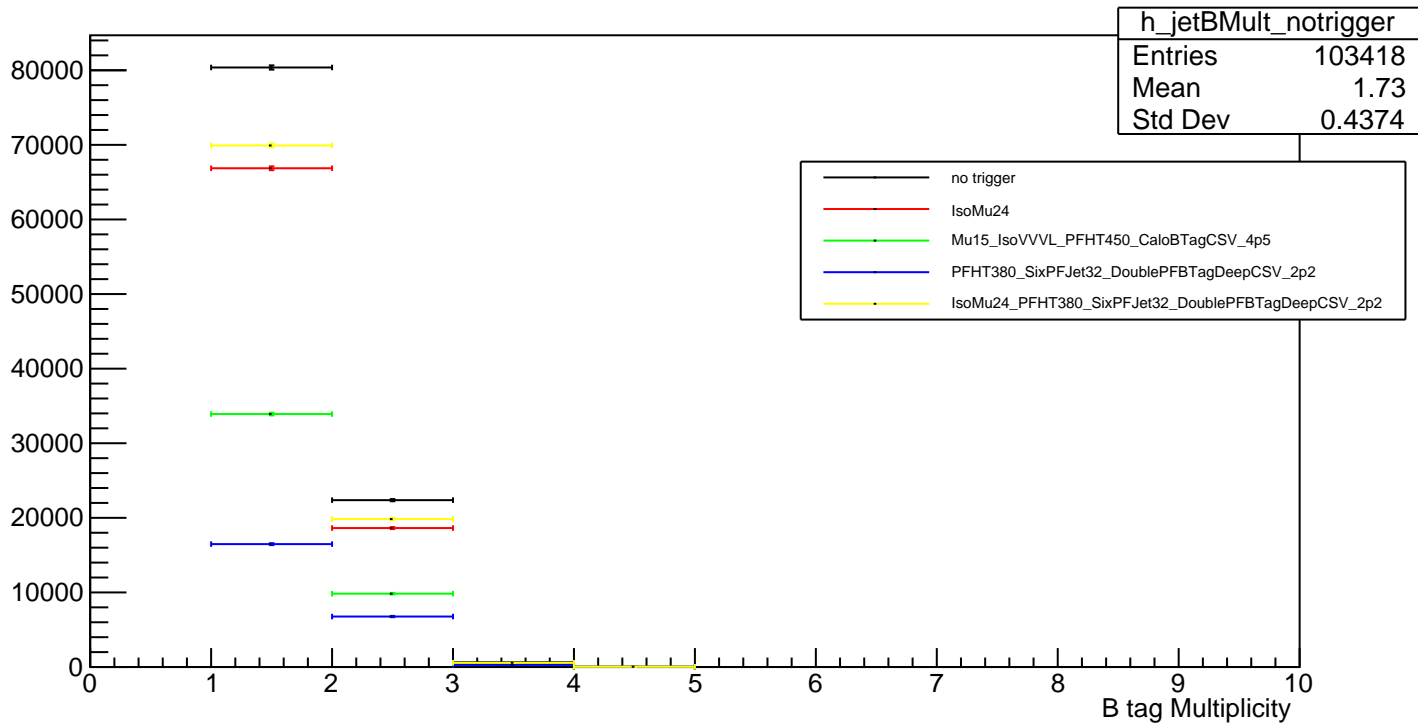


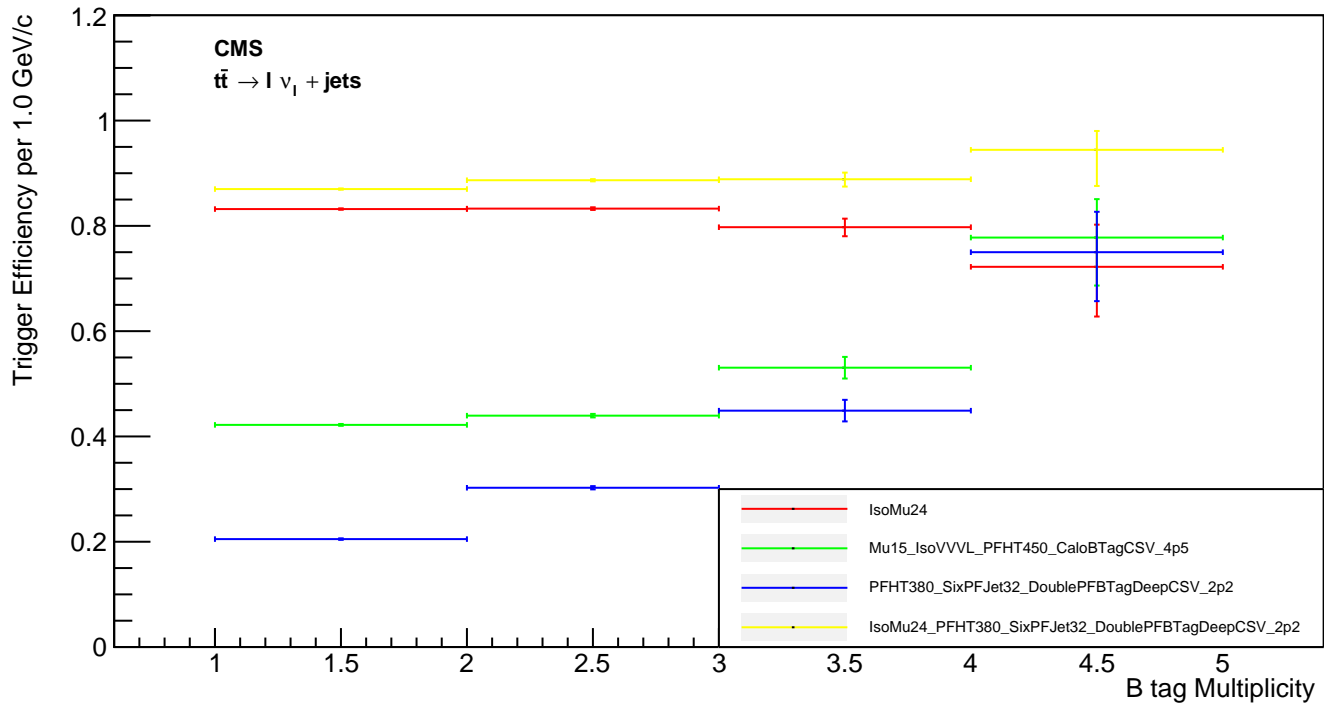
Number of Events per Number of Jets



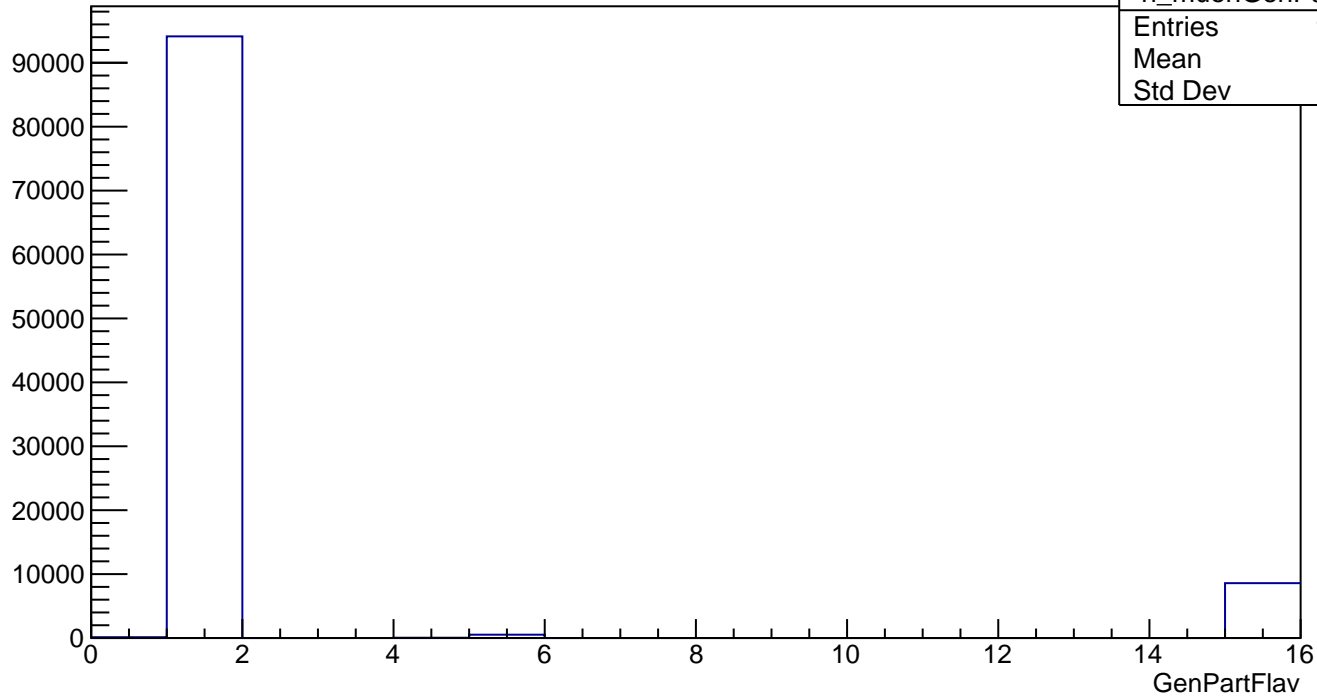


Number of Events per Number of Jets





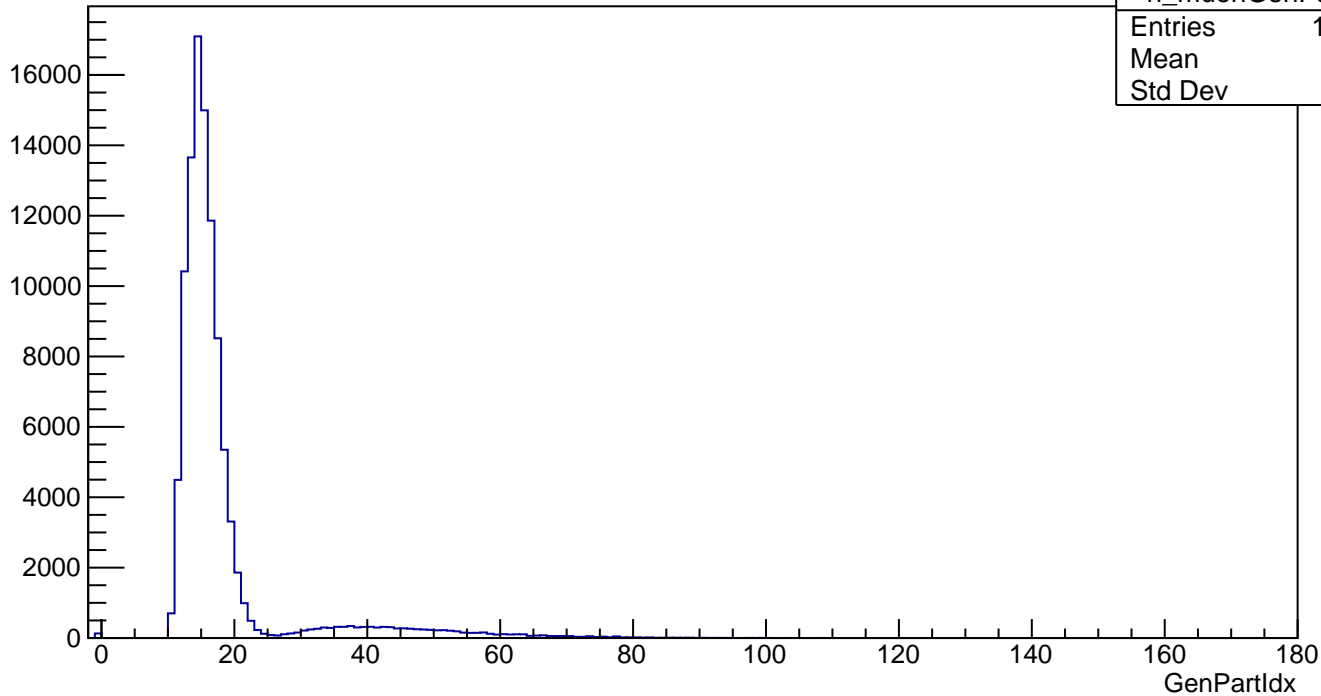
Number of events



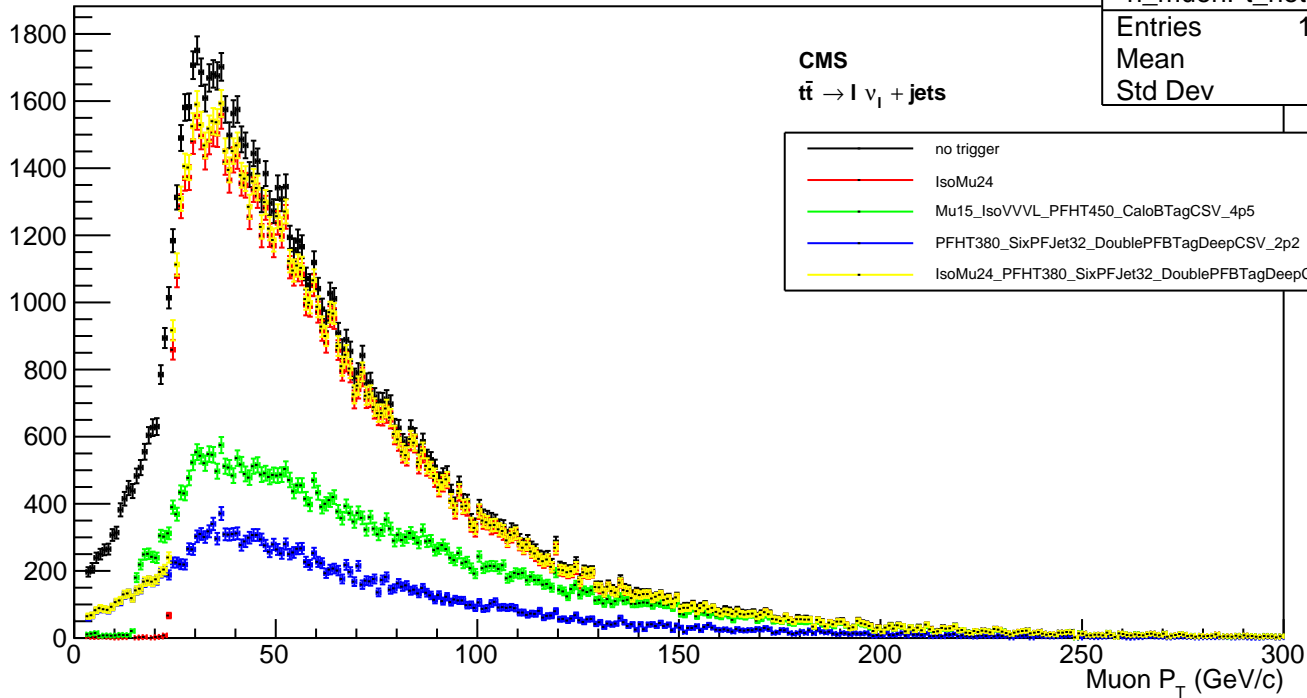
h_muonGenPartFlav	
Entries	103418
Mean	2.183
Std Dev	3.868



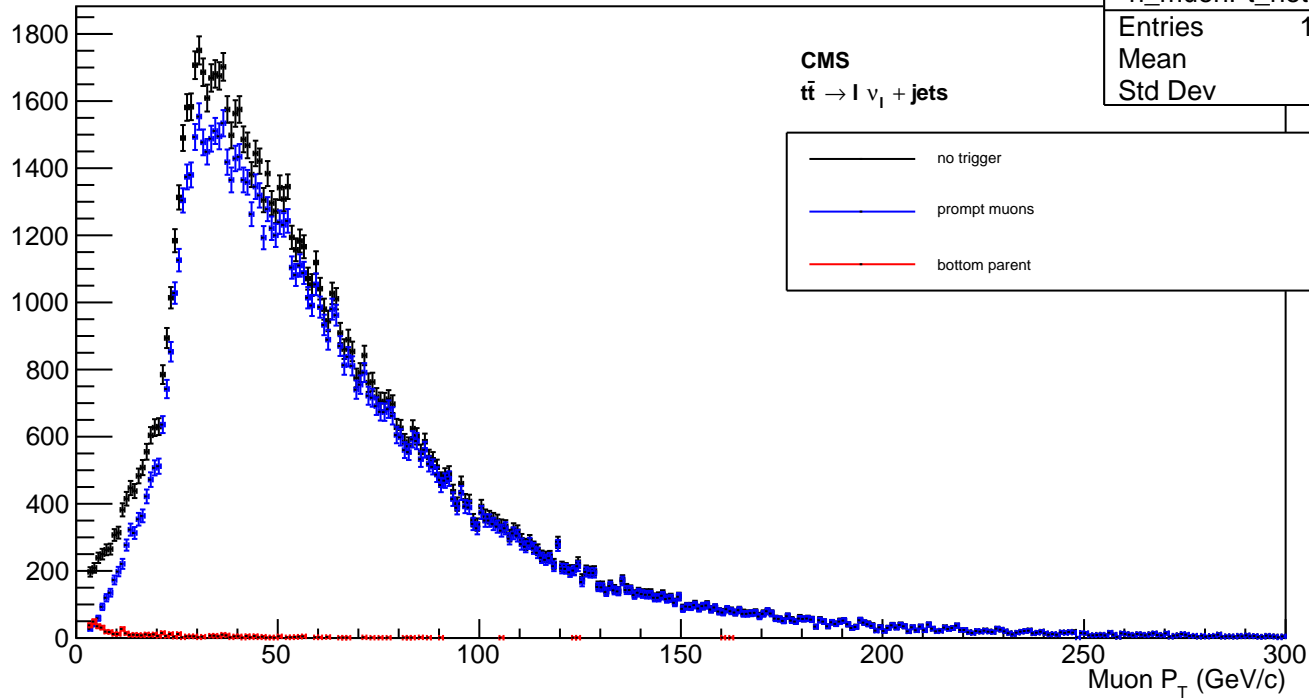
Number of events



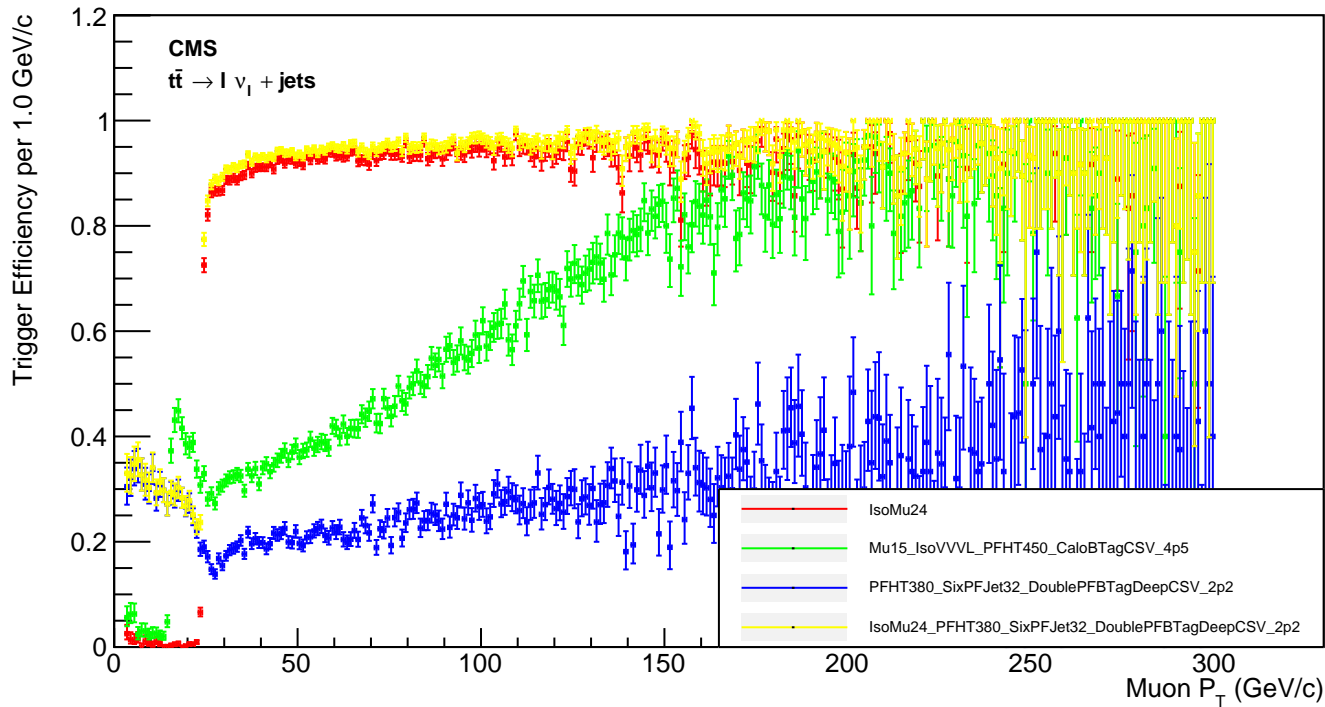
Number of Events per 1 GeV/c



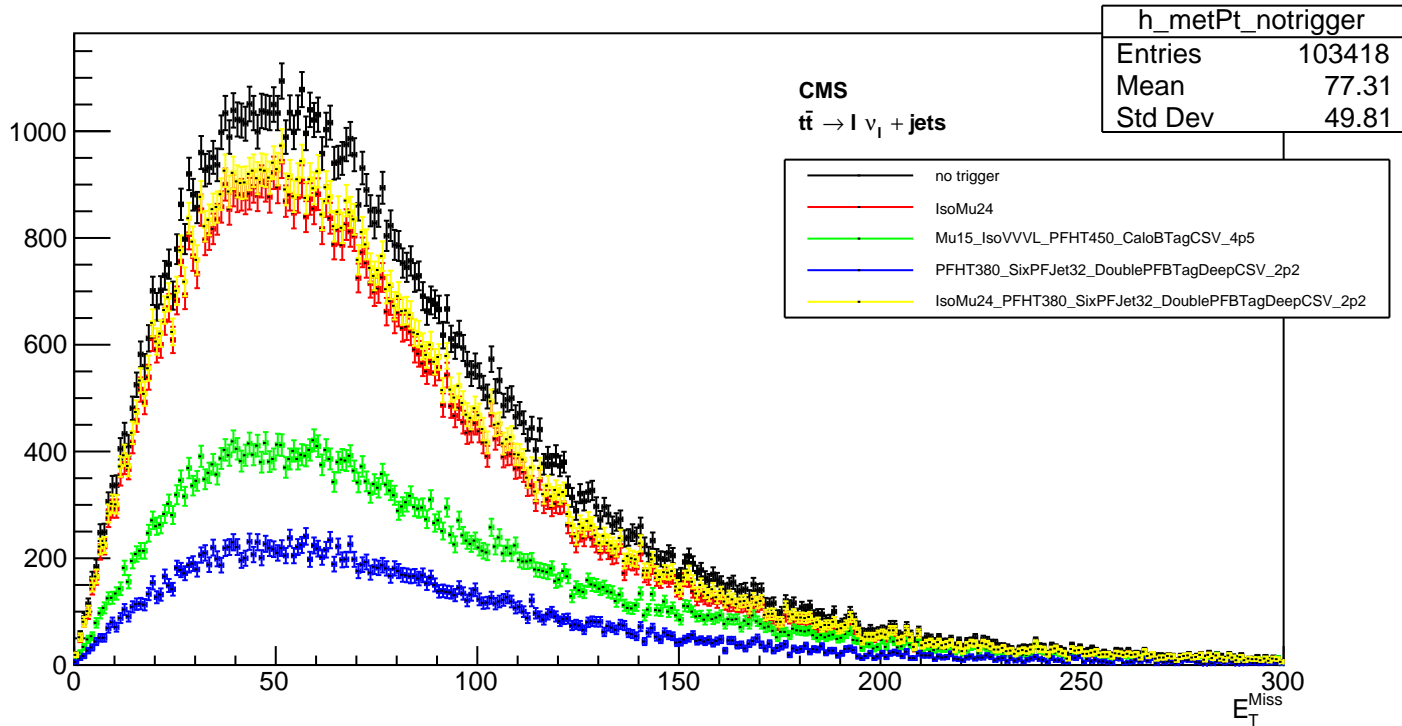
Number of Events per 1 GeV/c

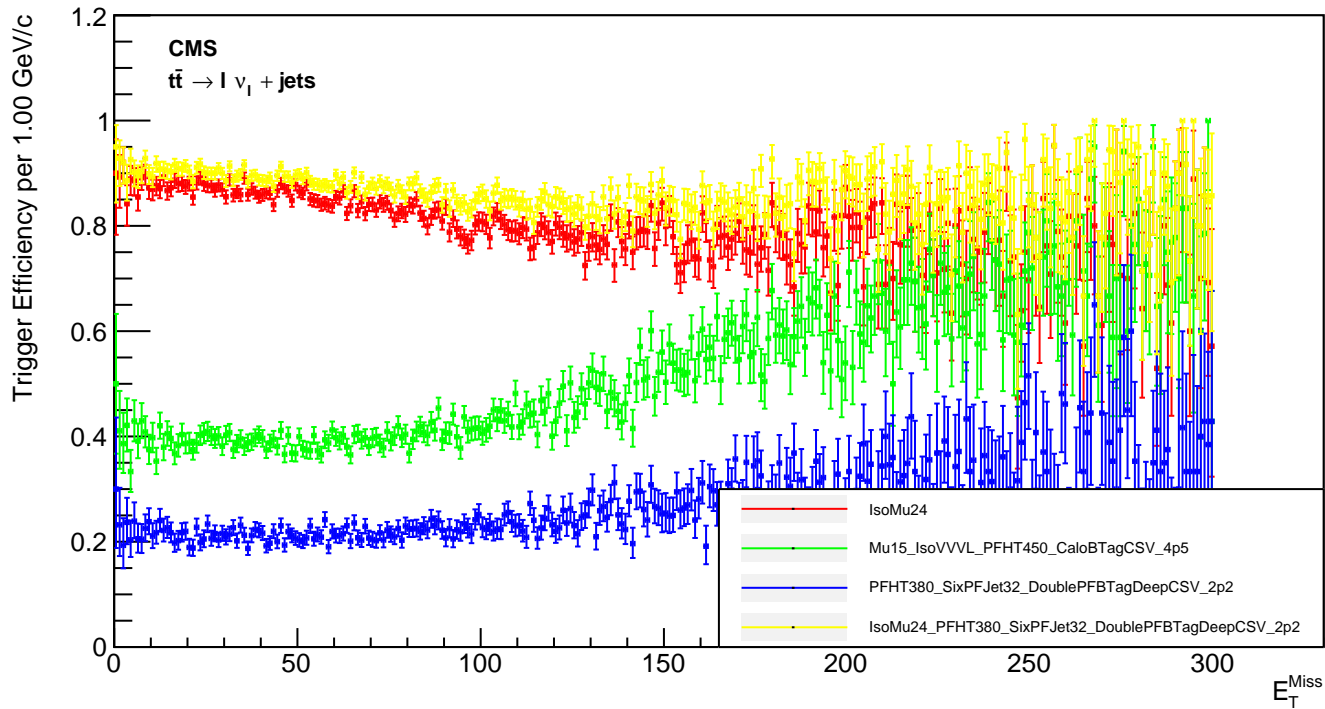


h_muonPt_notrigger	
Entries	103418
Mean	62.86
Std Dev	41.75

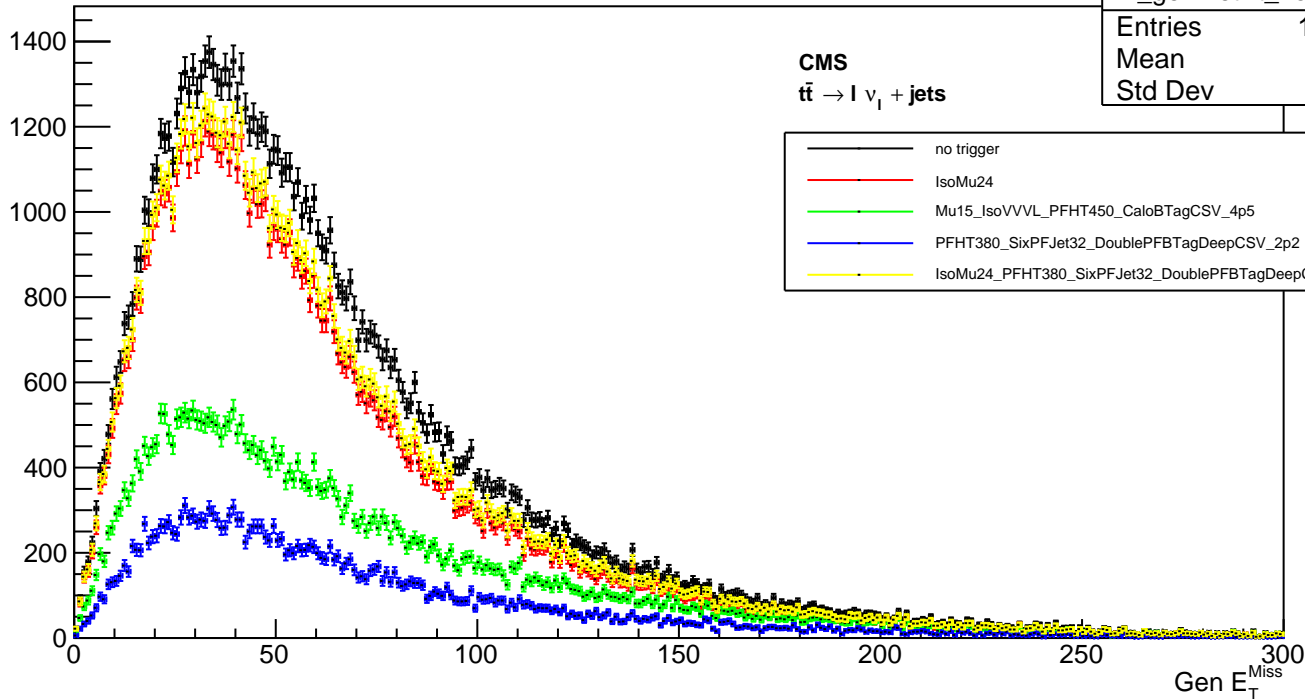


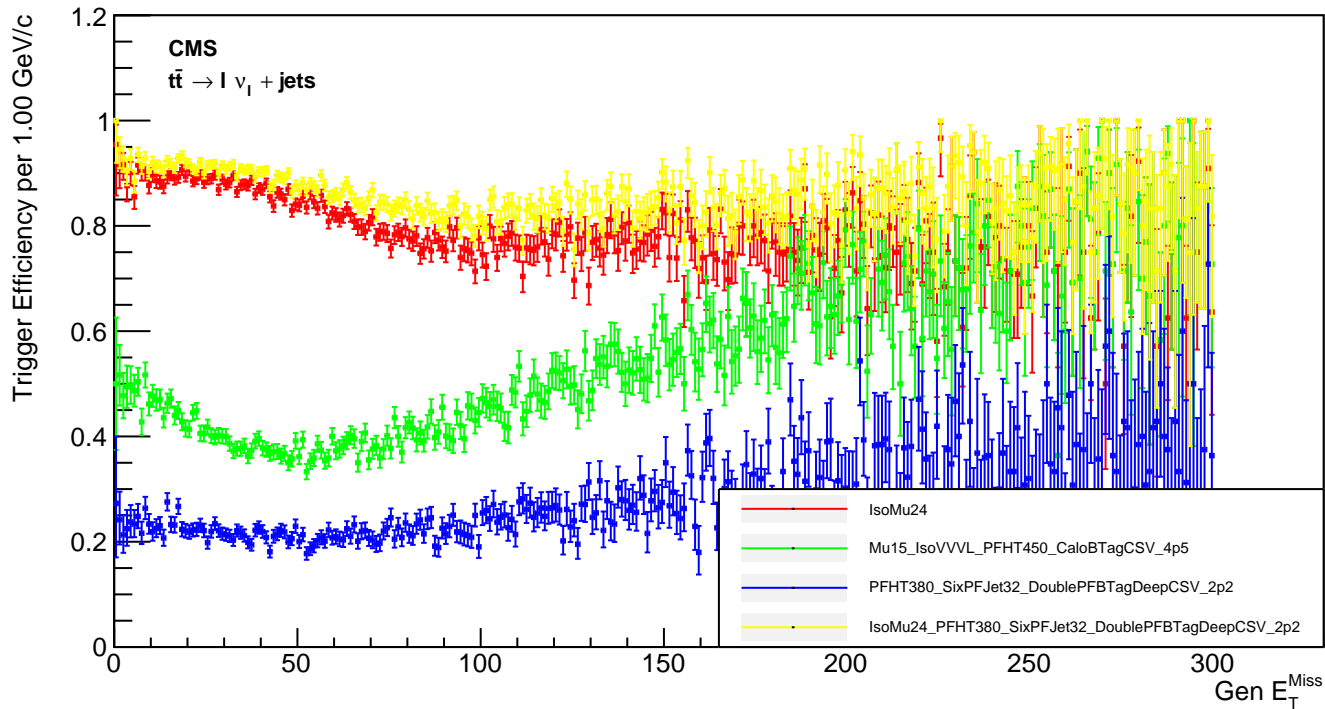
Number of Events per 1 GeV/c



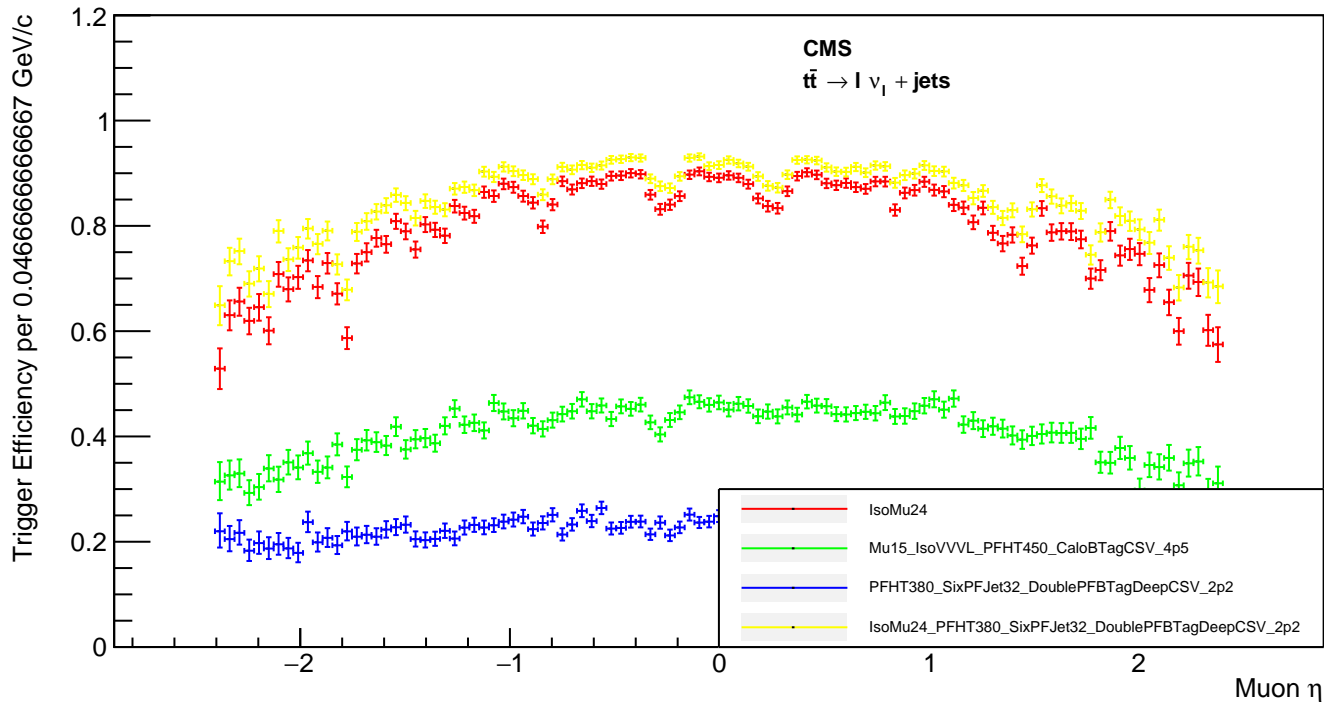


Number of Events per 1GeV/c

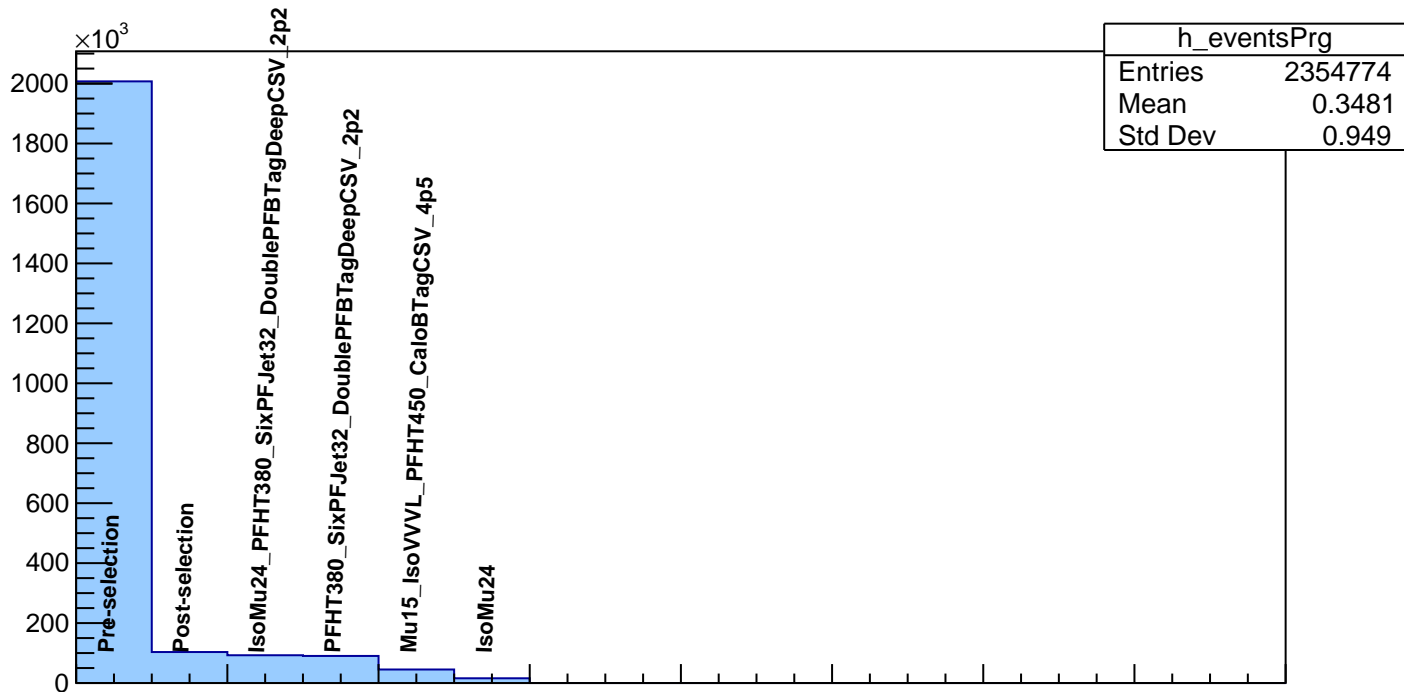








Total Number of Accepted Events



Cuts and Triggers

h_eventsPrg	
Entries	2354774
Mean	0.3481
Std Dev	0.949