

On-line (pre-)selection Requisites for:

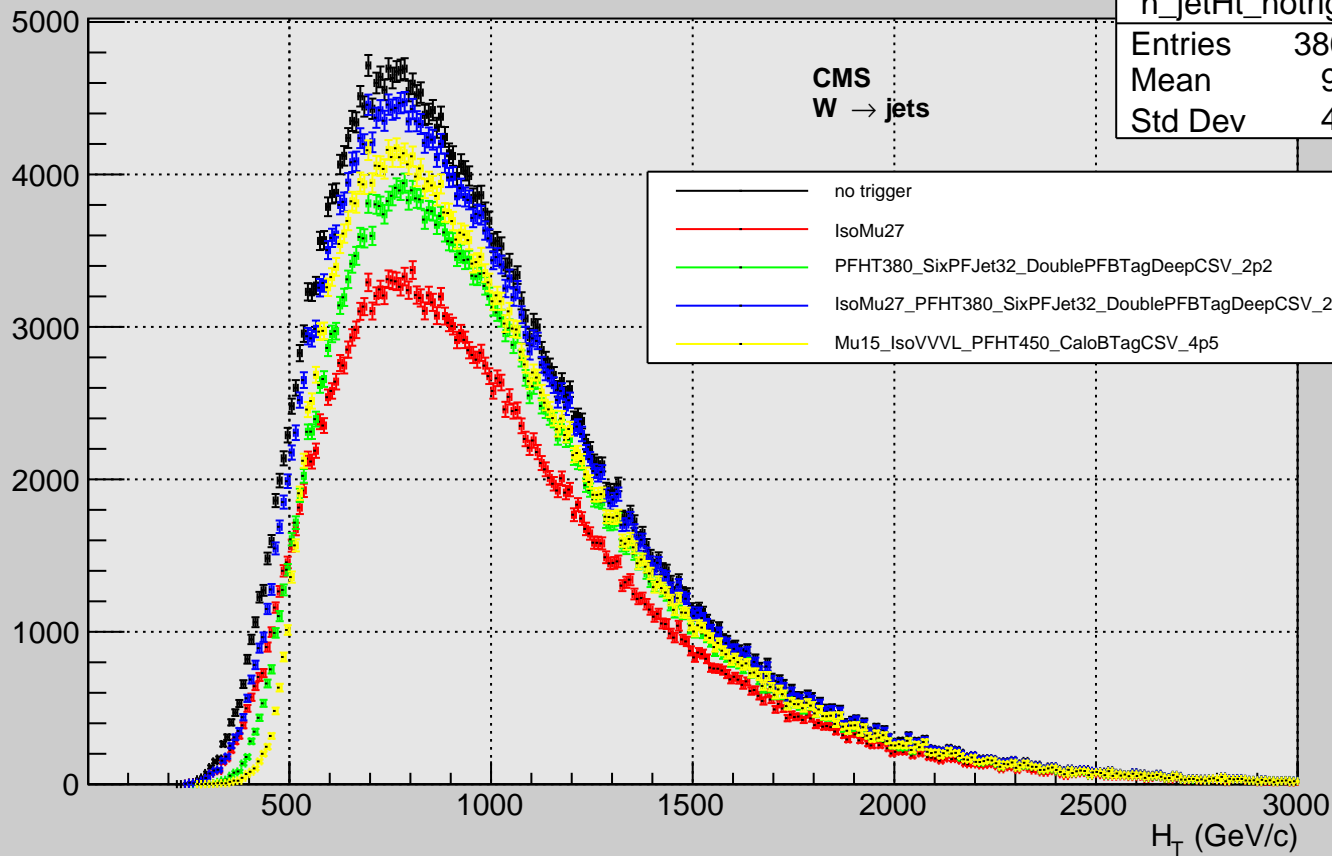
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

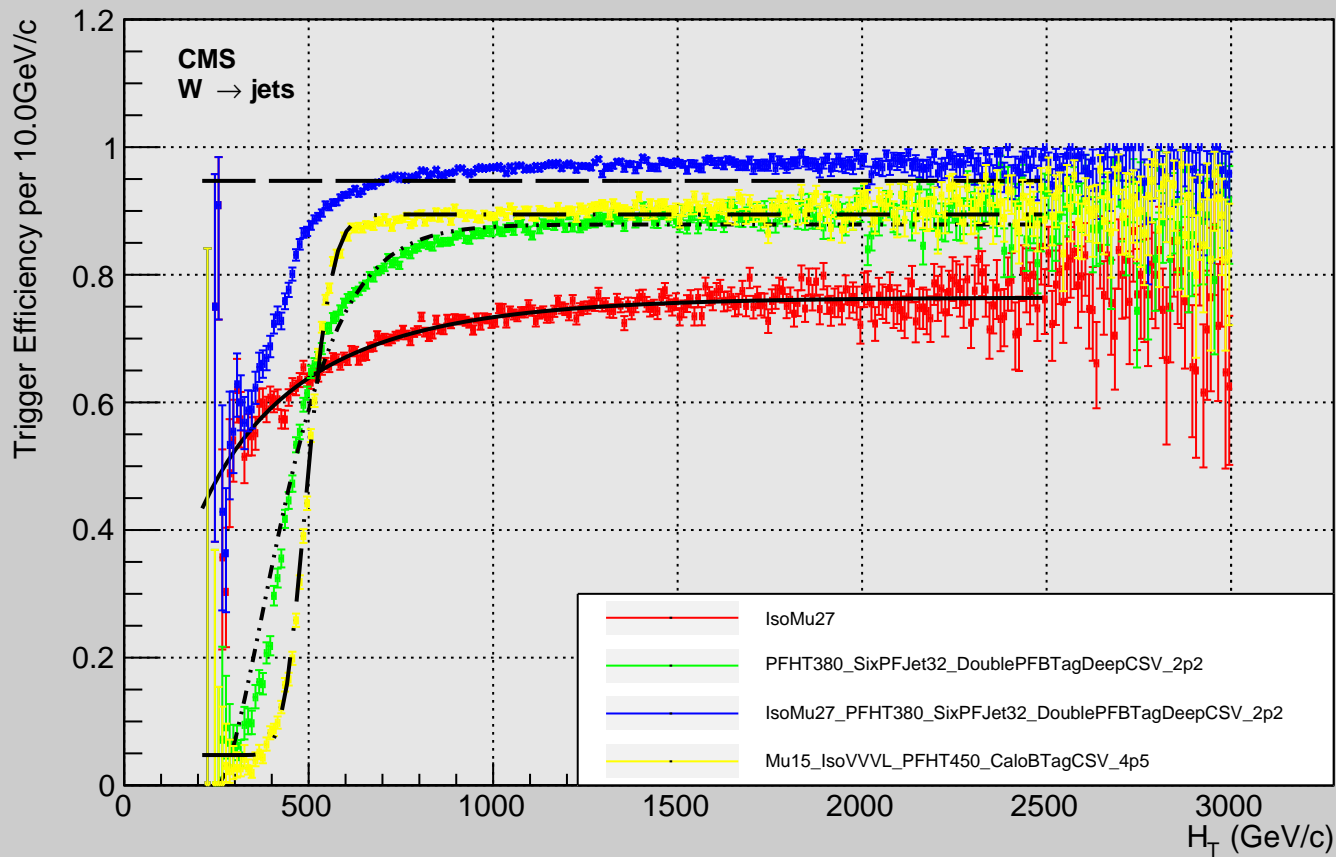
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

- **Jets:** $\text{jetId} > 2$, $p_{\text{T}} > 30$ 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)

Number of Events per 10 GeV/c

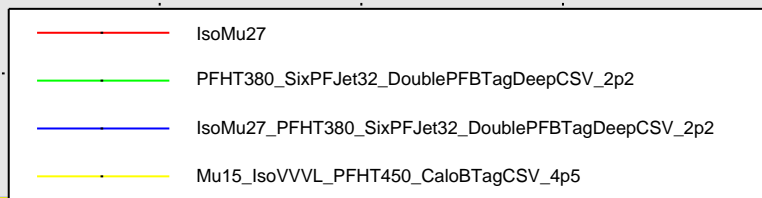




Trigger Efficiency per 2999.0 GeV/c

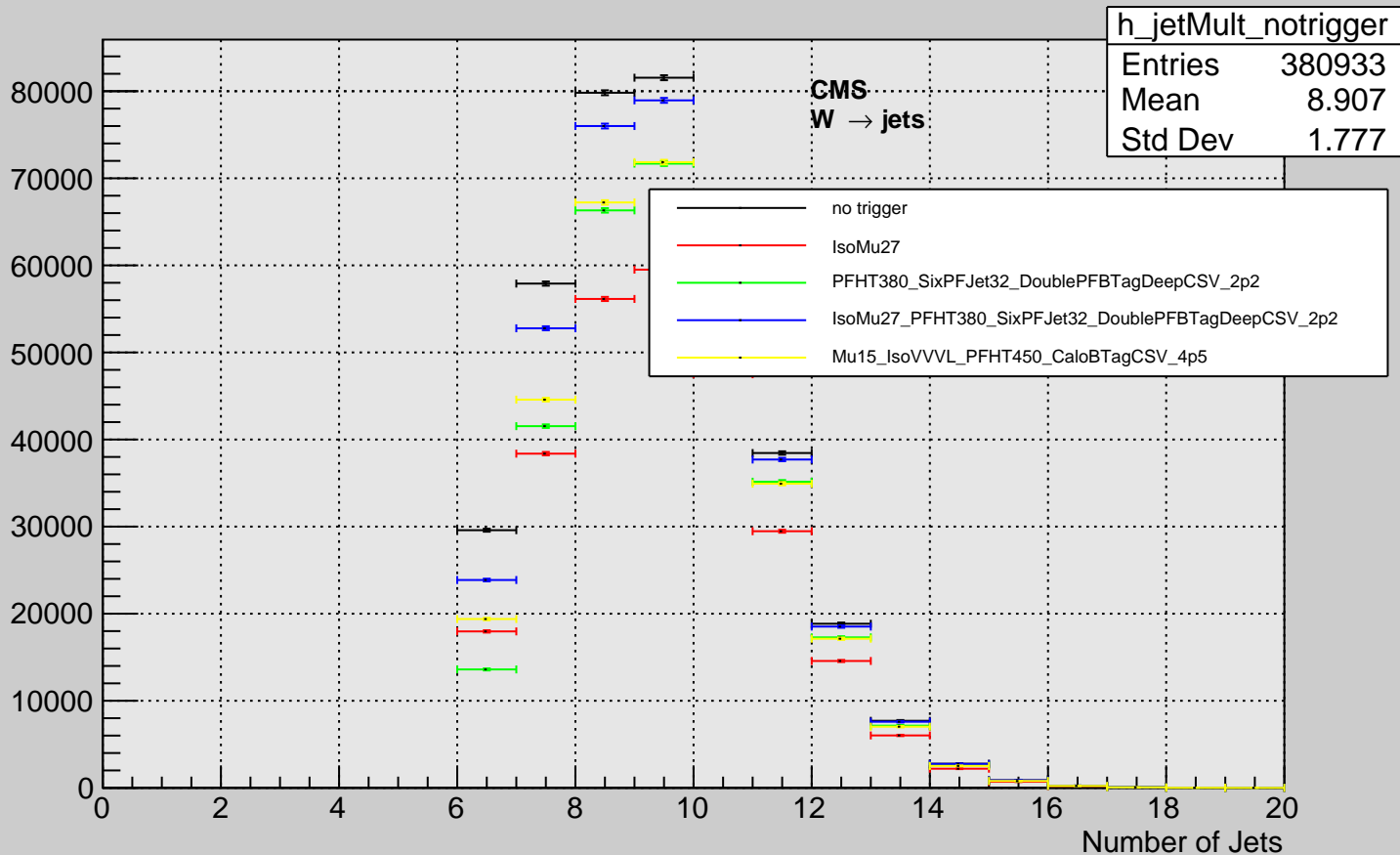
CMS

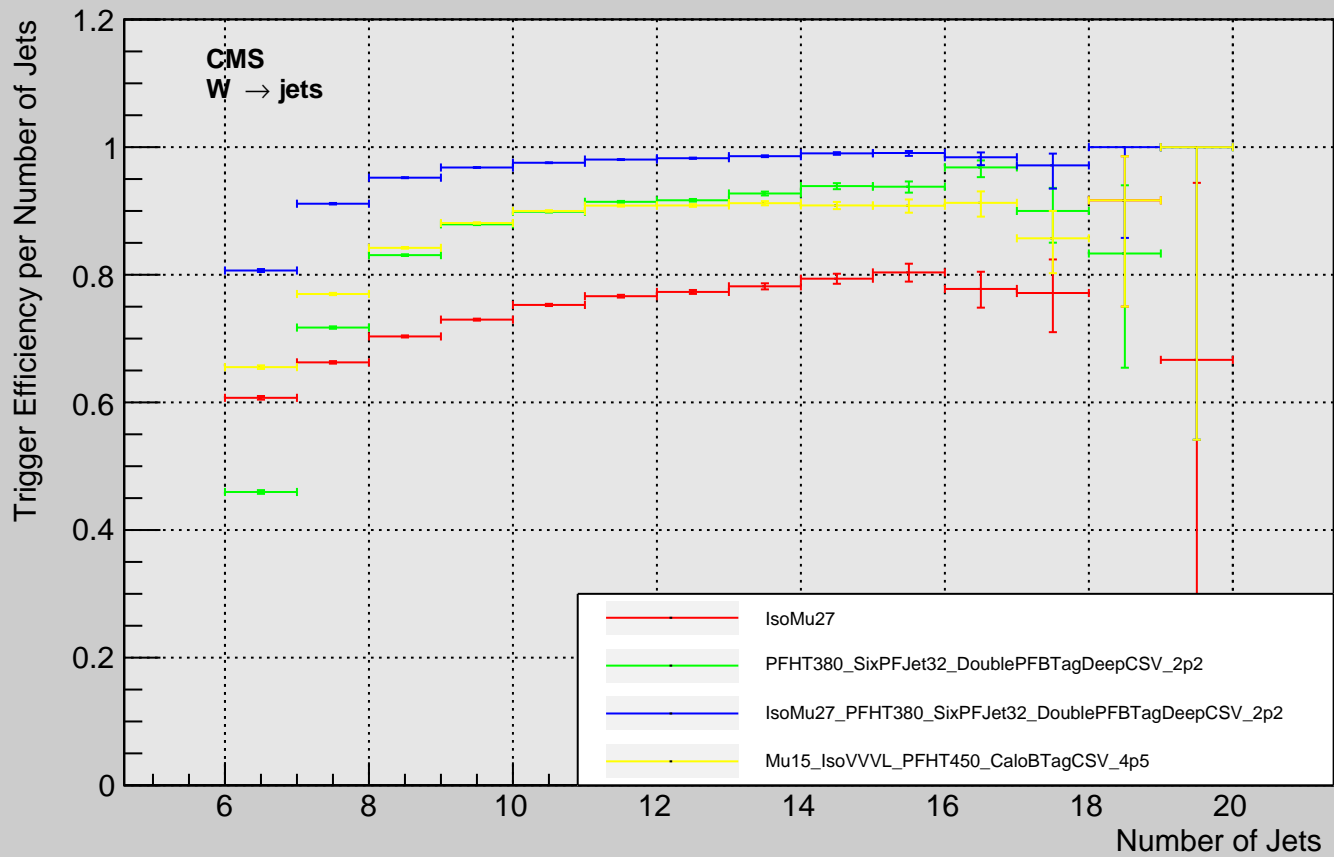
$W \rightarrow \text{jets}$

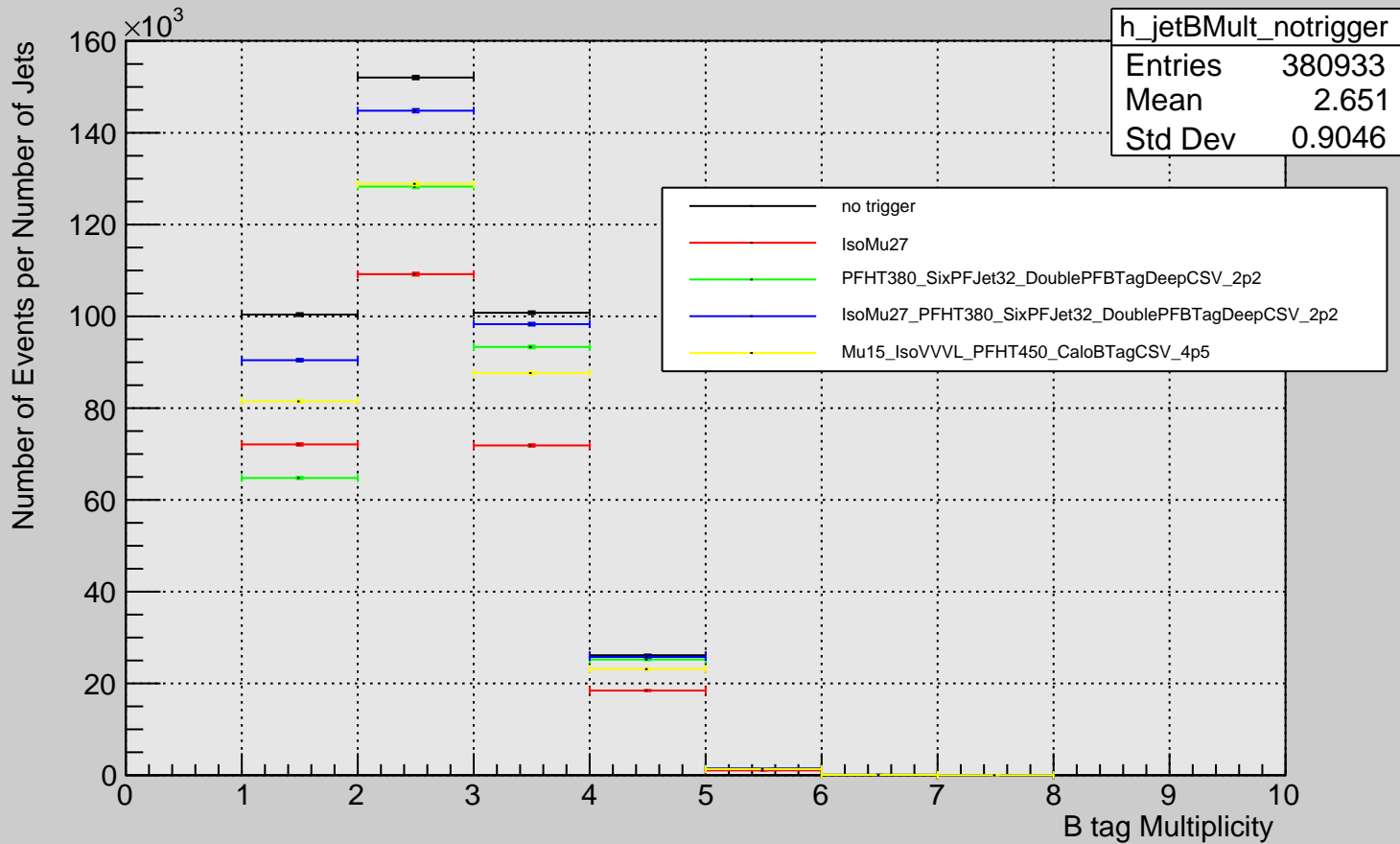


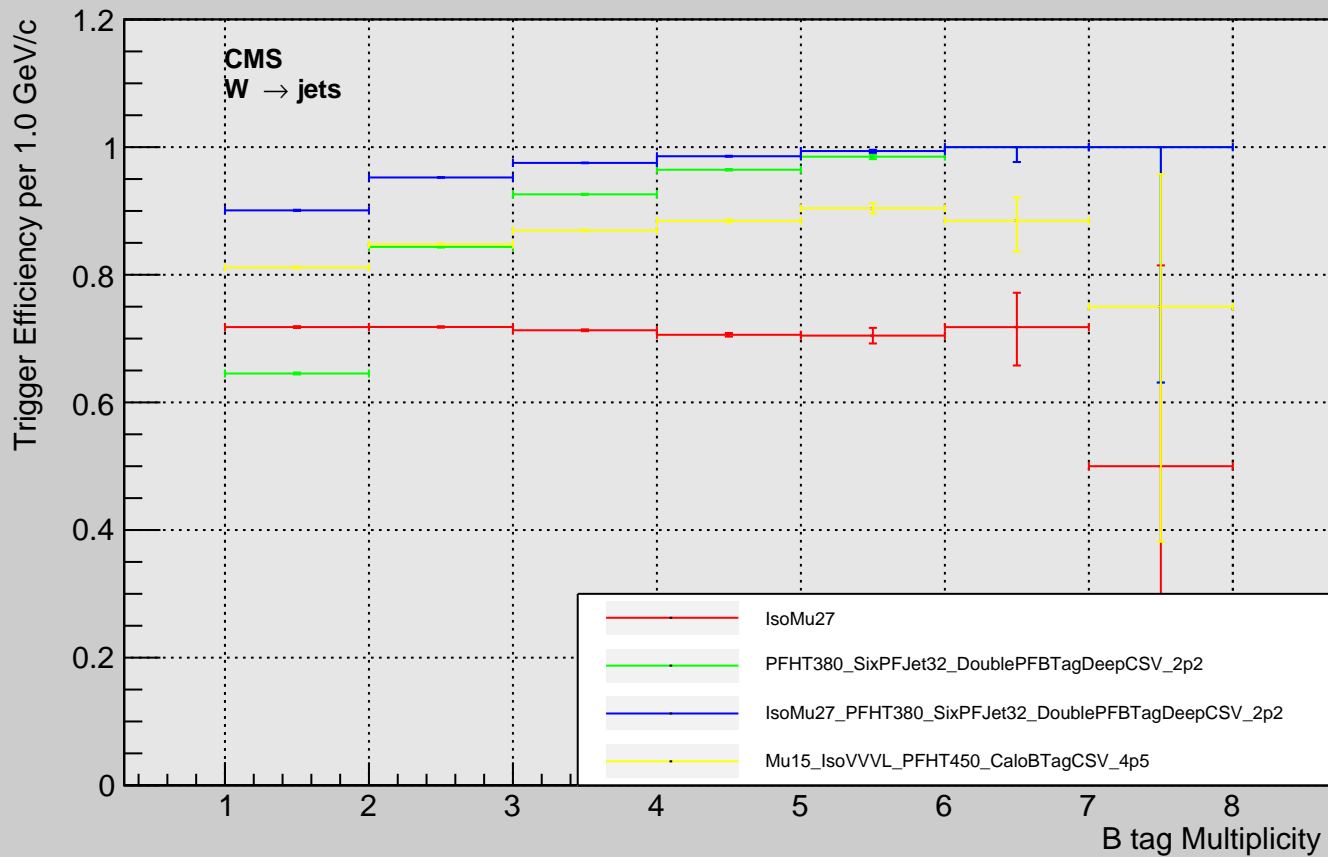
H_T (GeV/c)

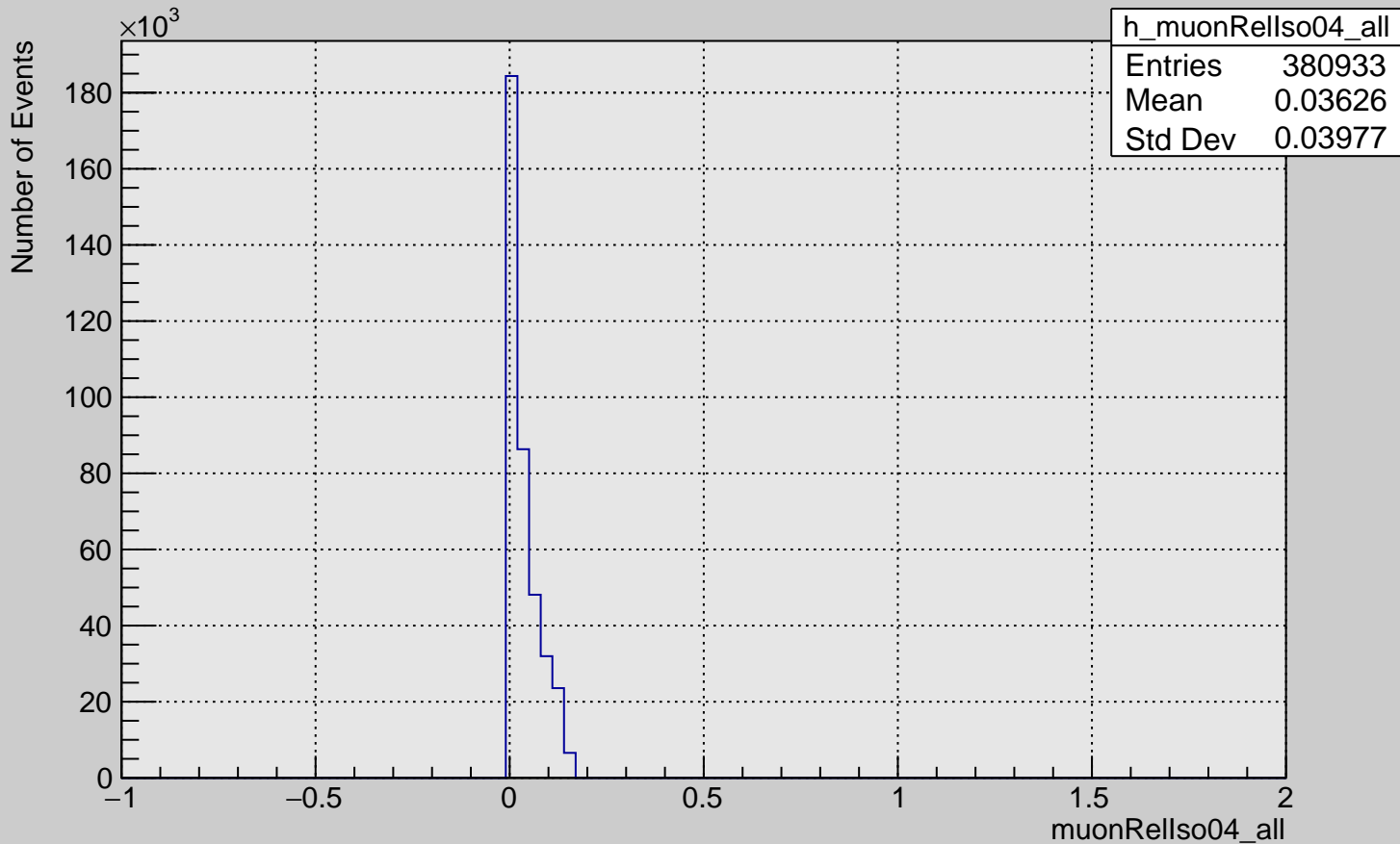
Number of Events per Number of Jets



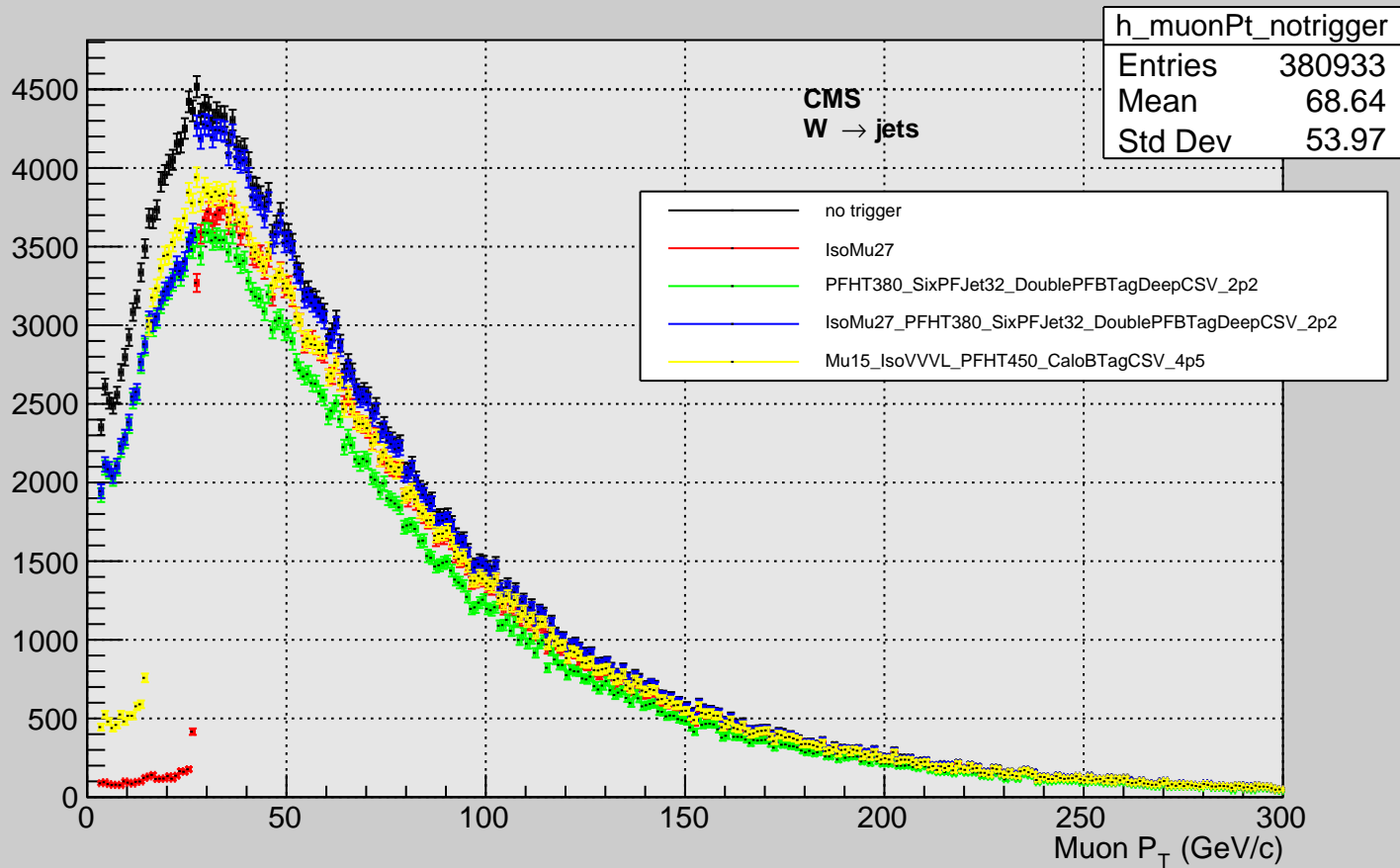




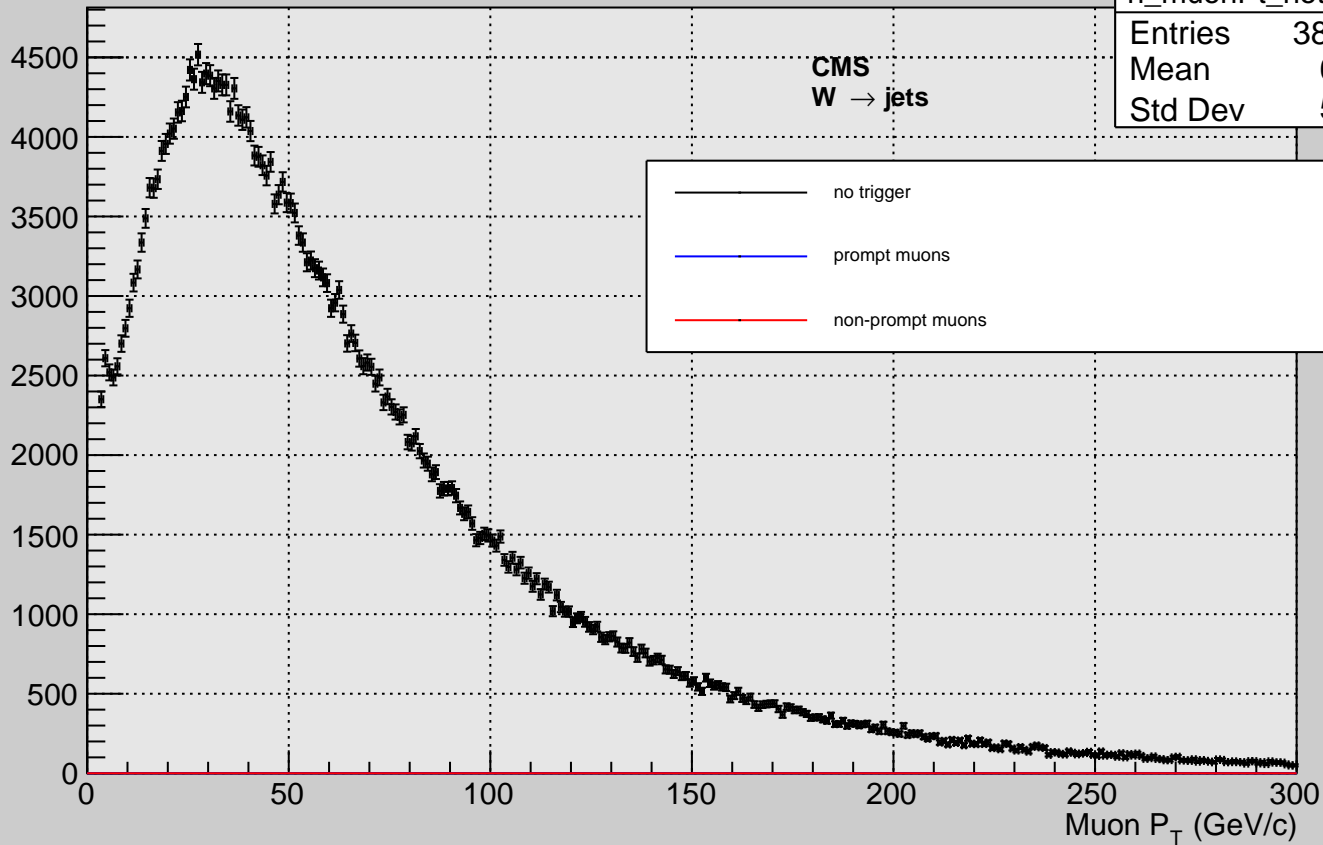


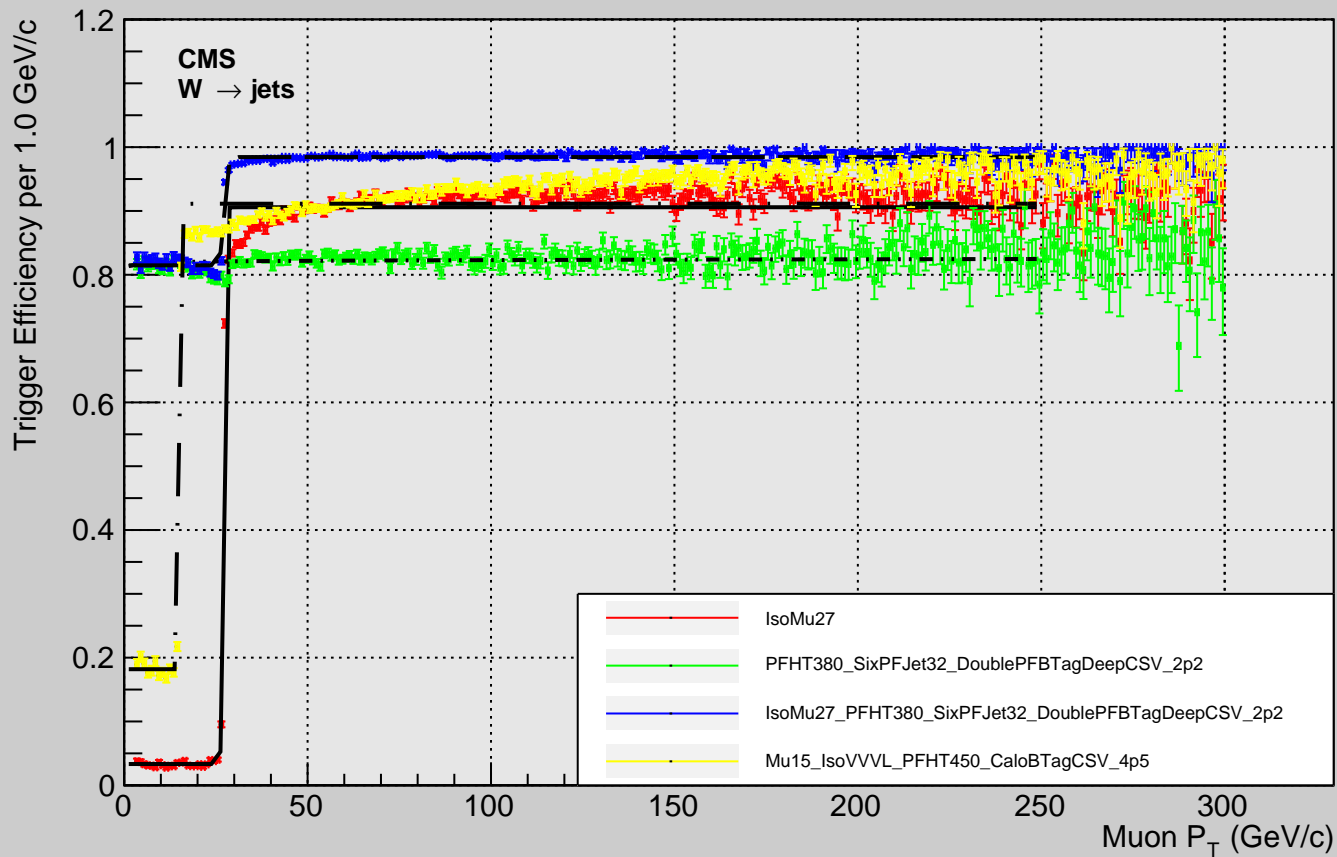


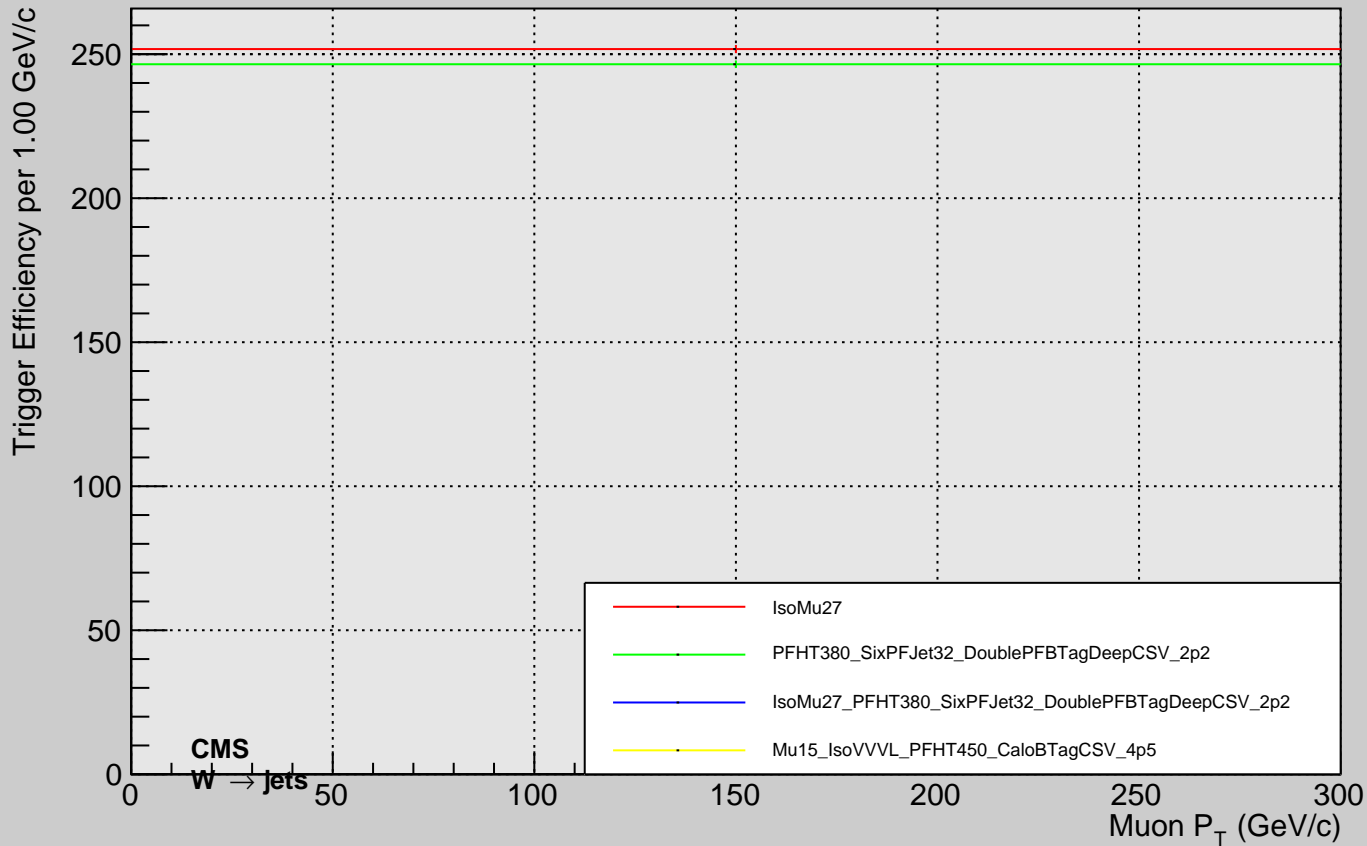
Number of Events per 1 GeV/c



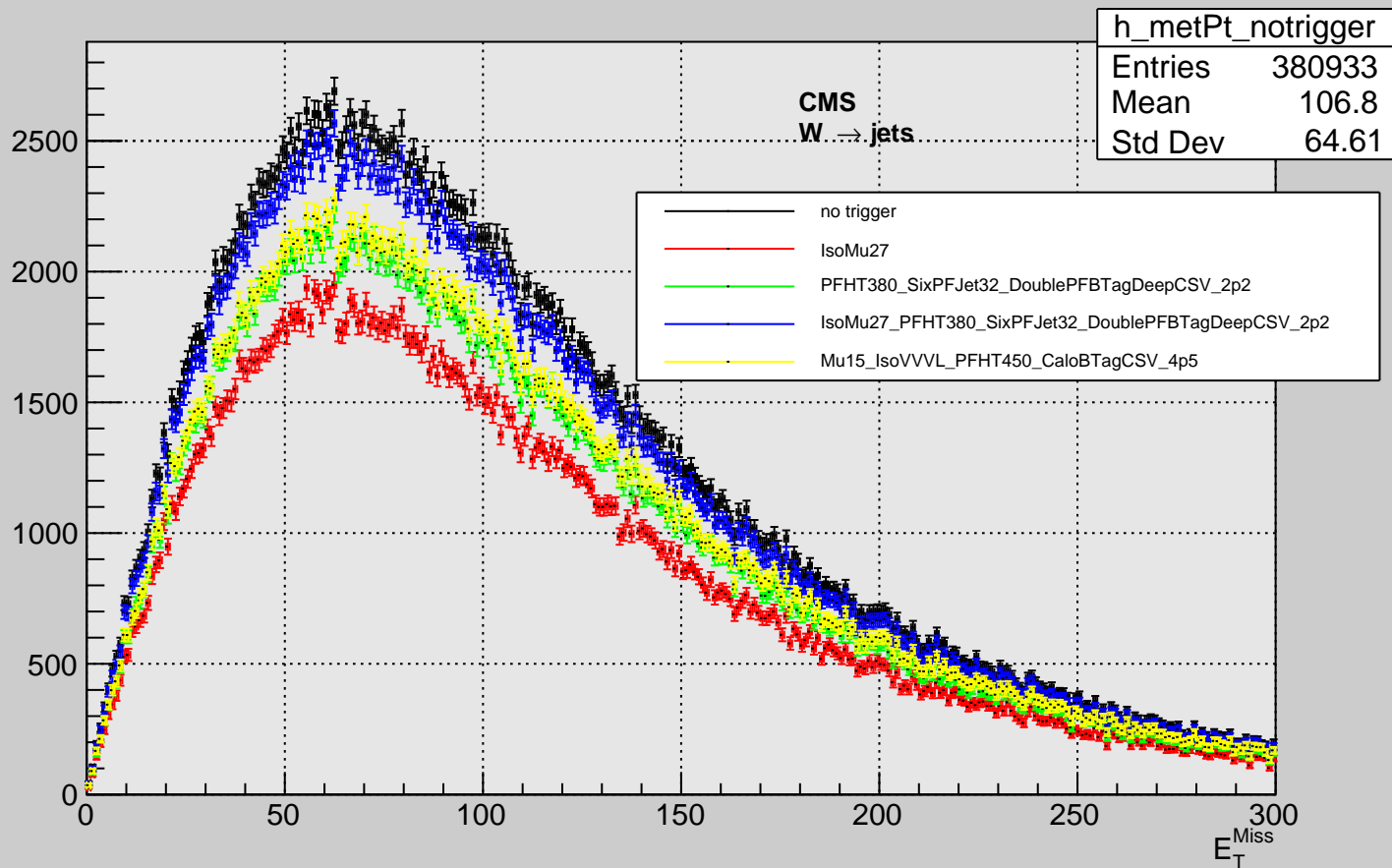
Number of Events per 1 GeV/c

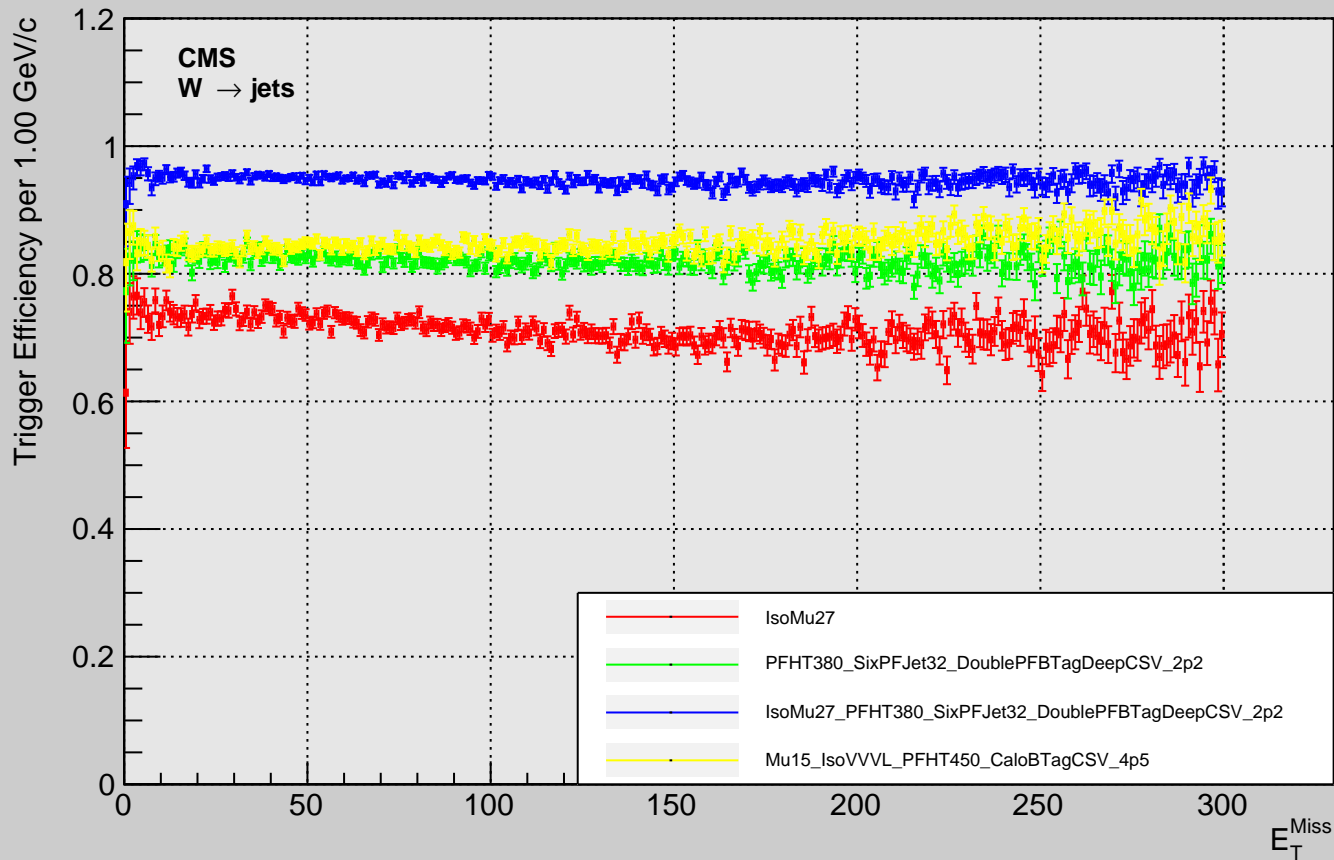




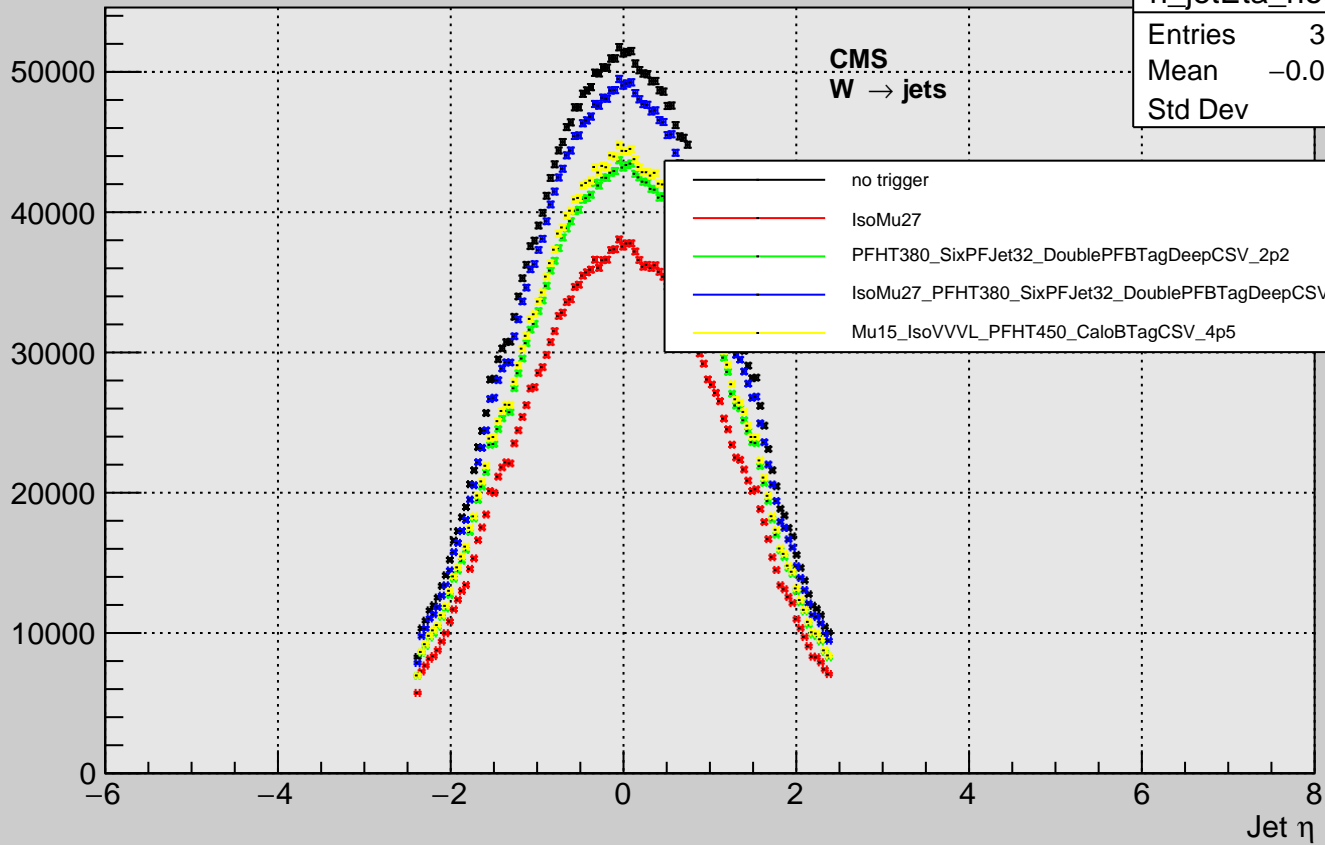


Number of Events per 1 GeV/c



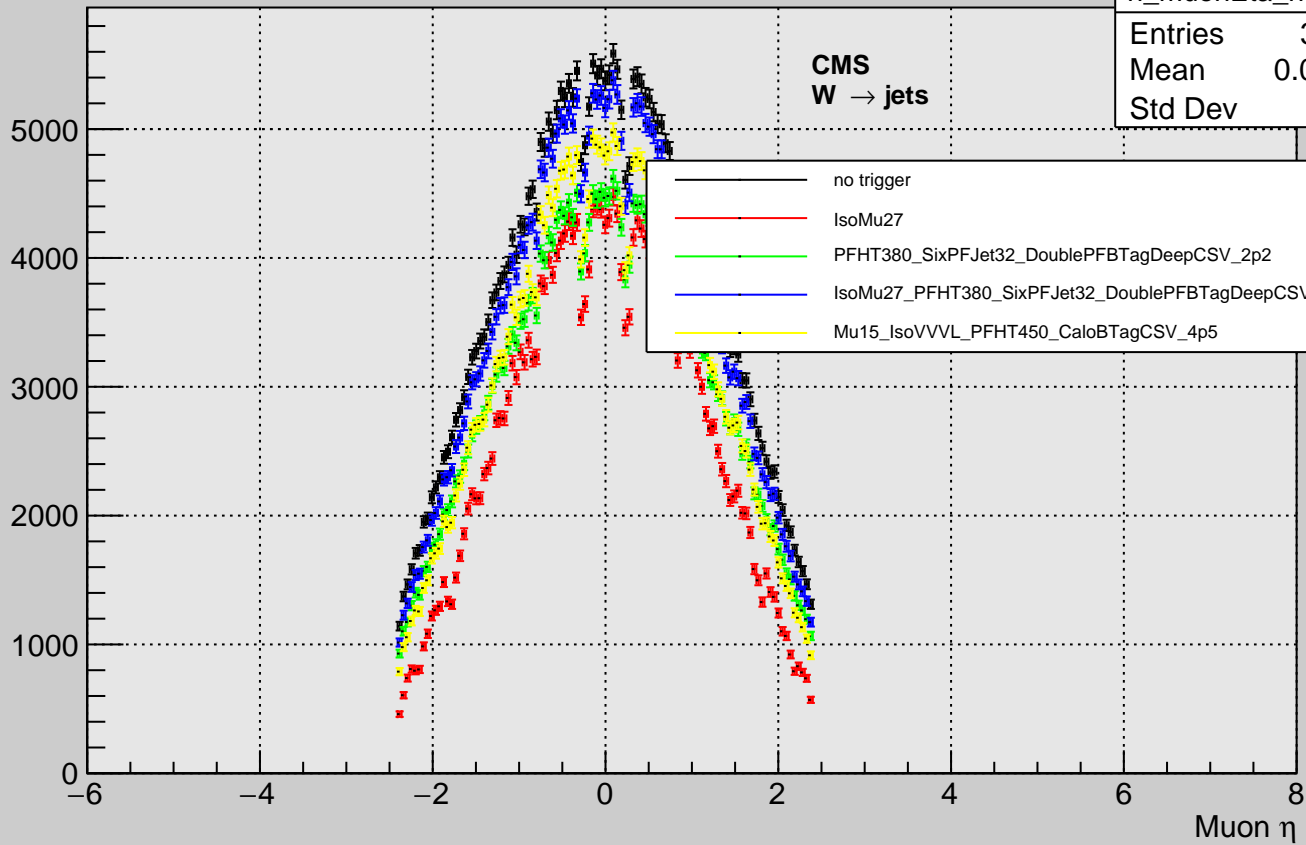


Number of Events per $\delta\eta = 0.046$

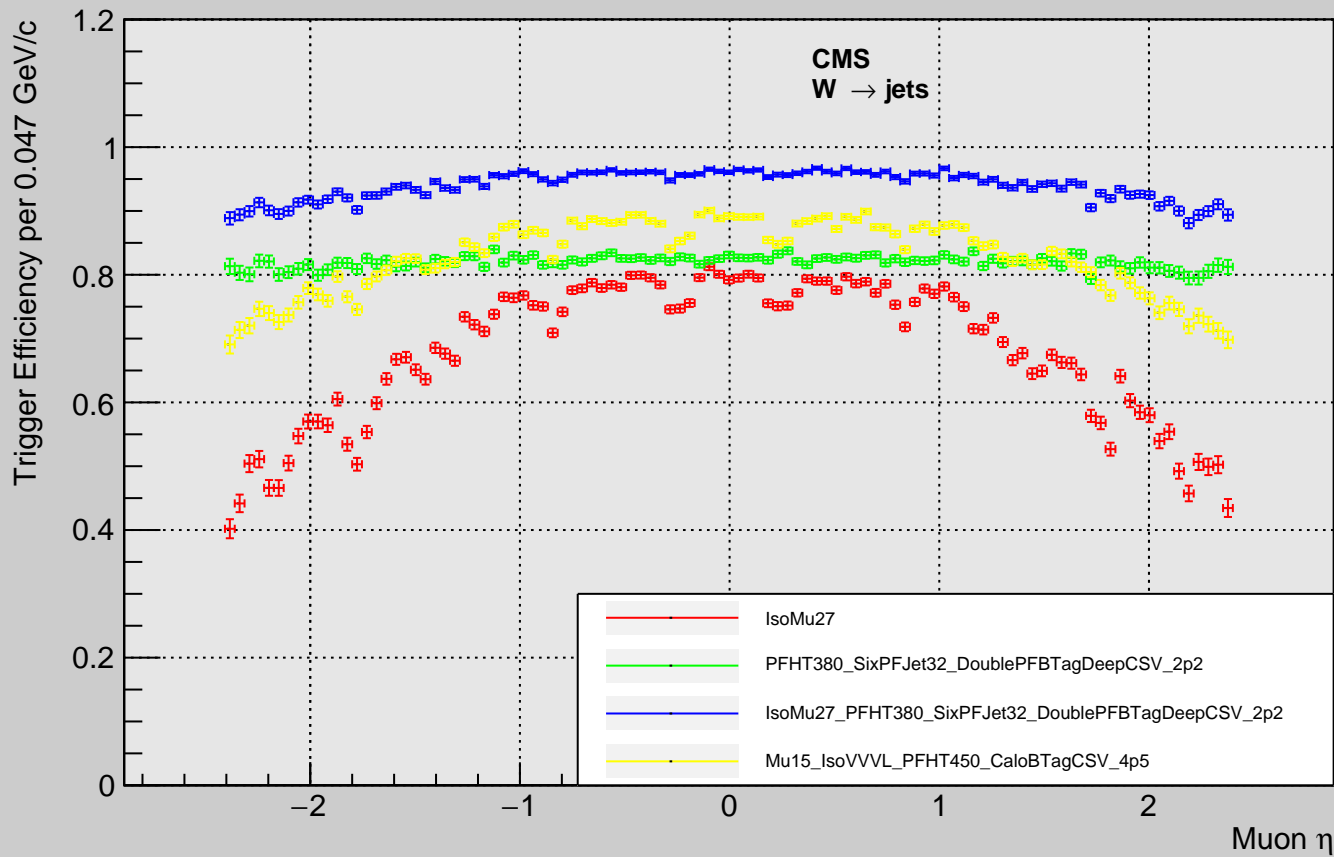


h_jetEta_notrigger	
Entries	3392867
Mean	-0.0004336
Std Dev	1.1

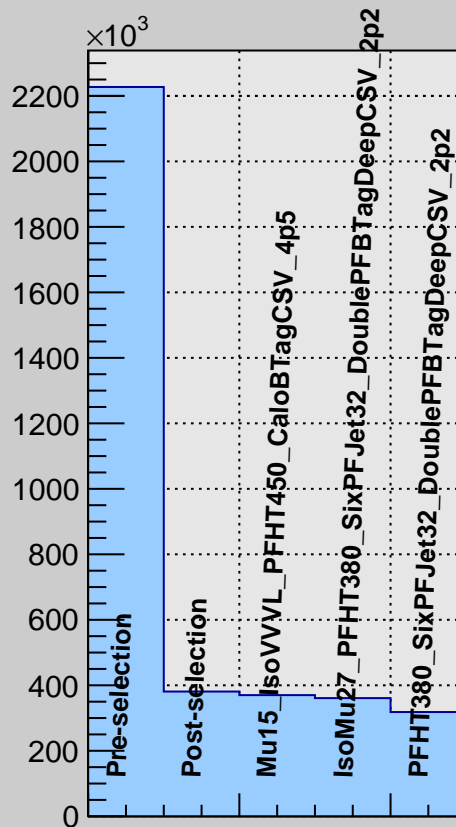
Number of Events per $\delta\eta = 0.046$



h_muonEta_notrigger	
Entries	380933
Mean	0.002455
Std Dev	1.153



Total Number of Accepted Events



Cuts and Triggers

h_eventsPrg	
Entries	3877446
Mean	1.18
Std Dev	1.63