

On-line (pre-)selection Requisites for:

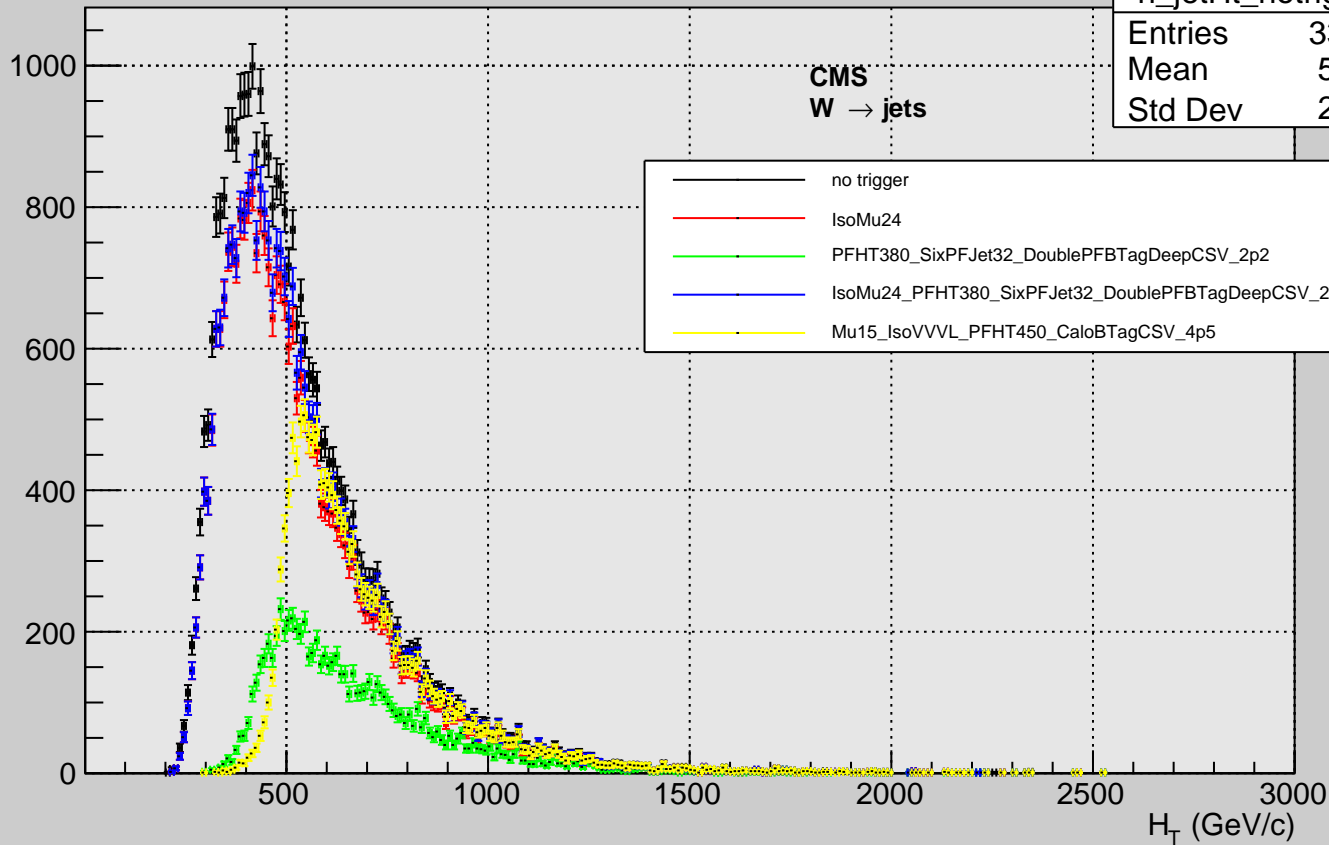
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

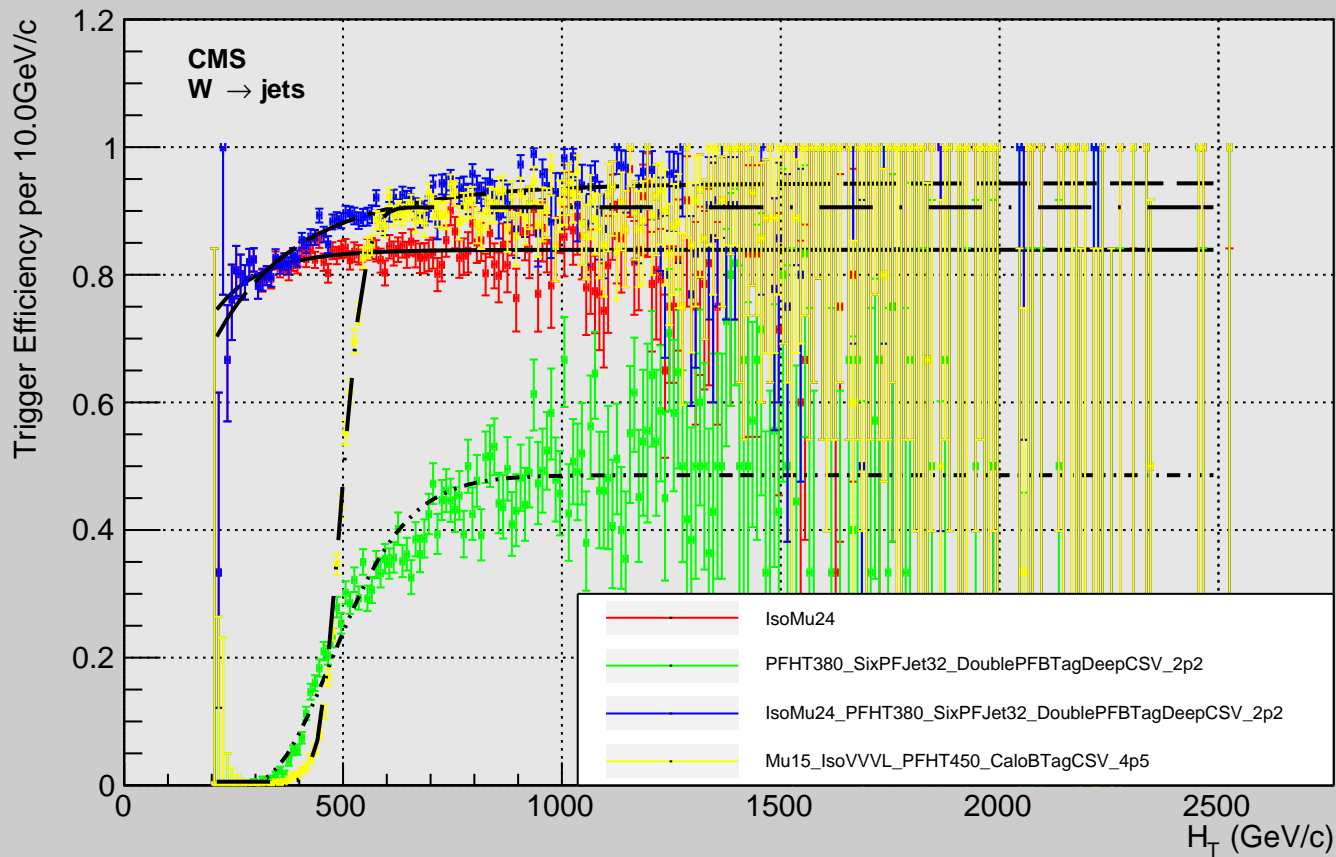
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

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

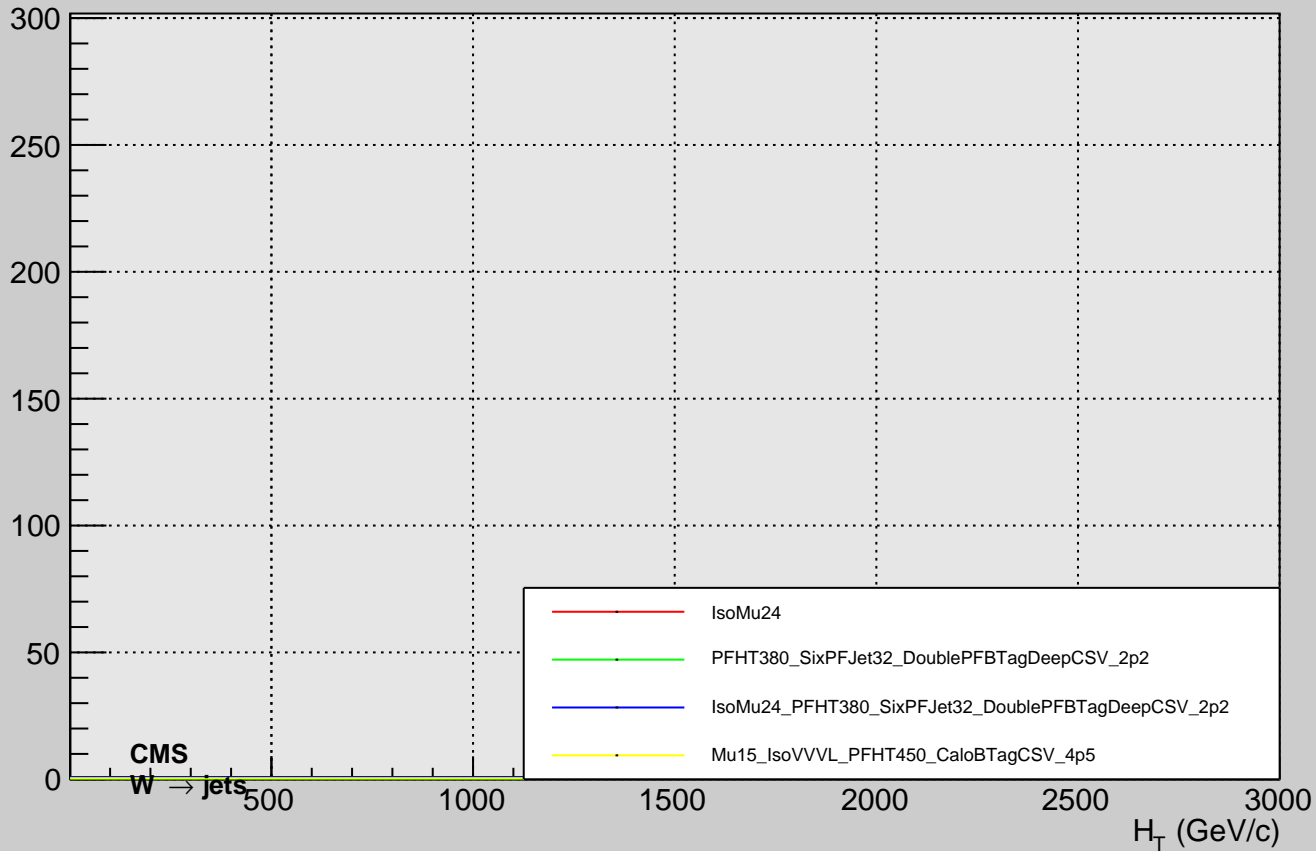
Number of Events per 10 GeV/c



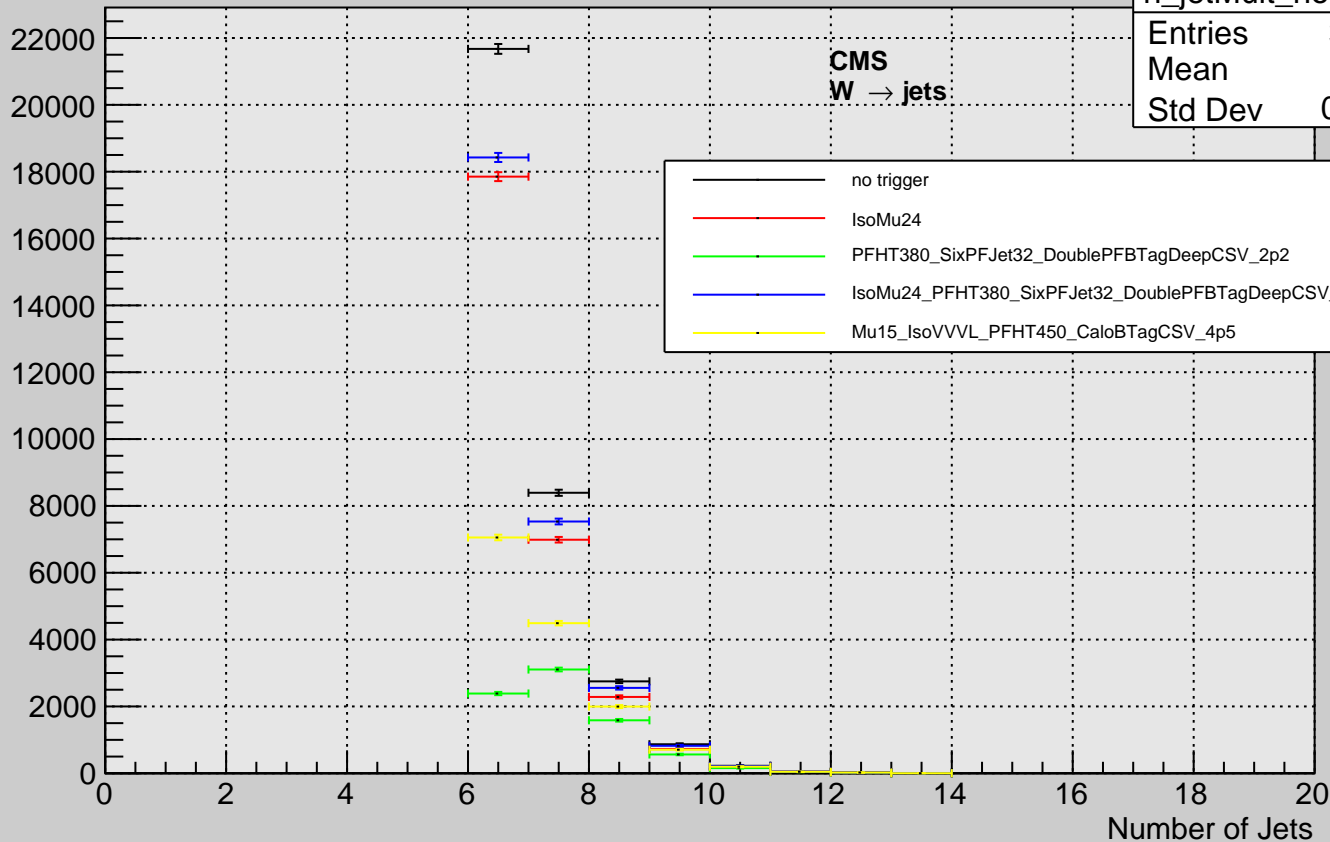


Trigger Efficiency per 2999.0 GeV/c

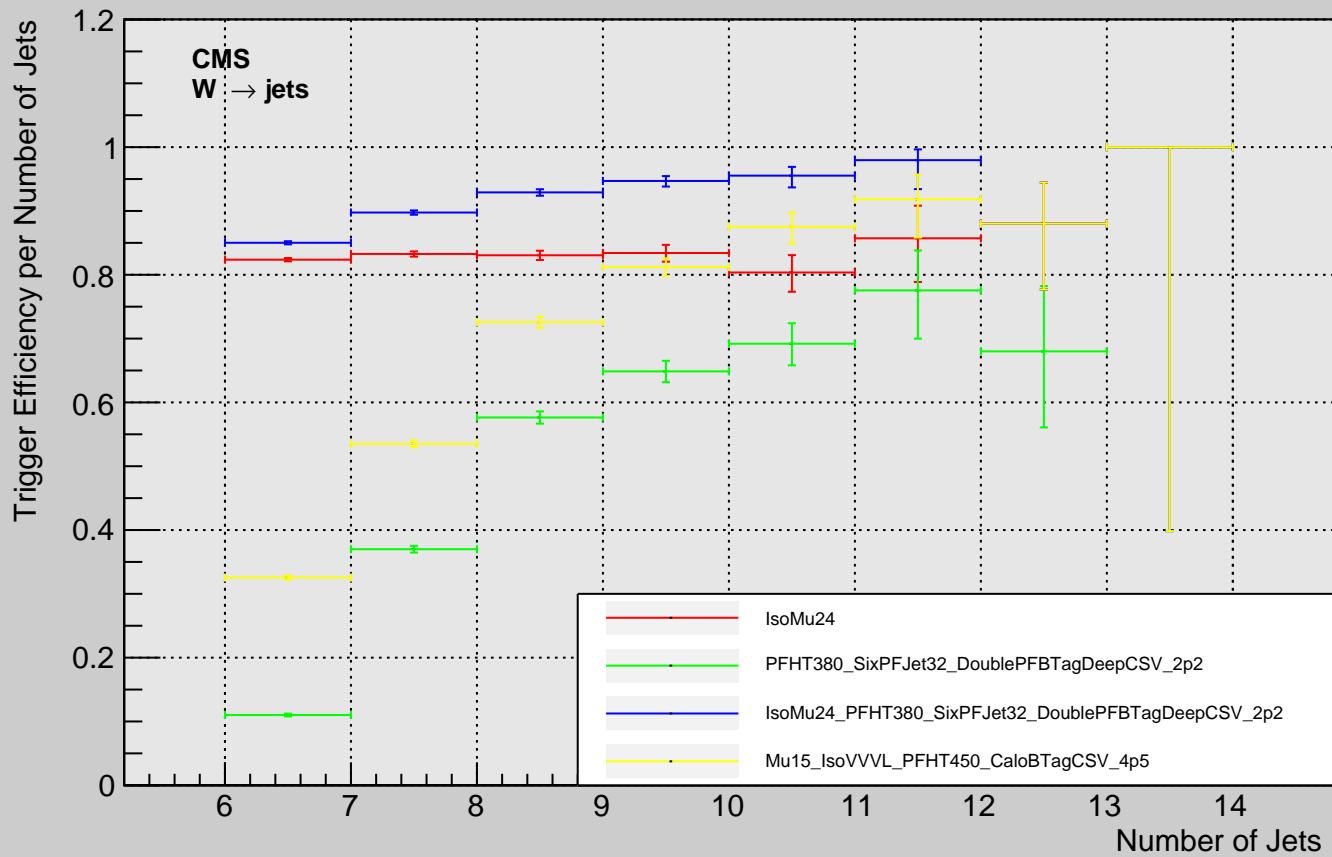
CMS
W → jets



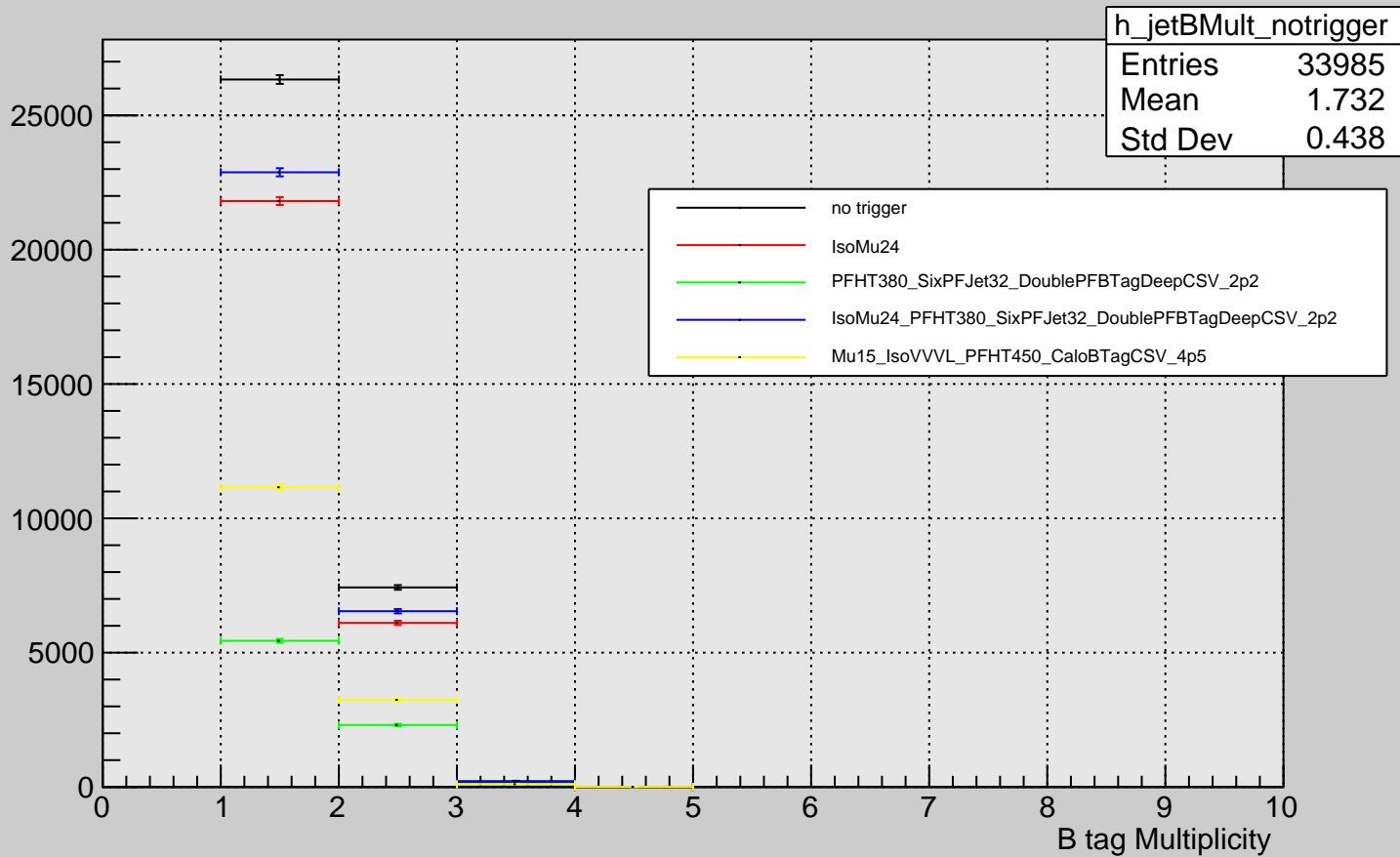
Number of Events per Number of Jets

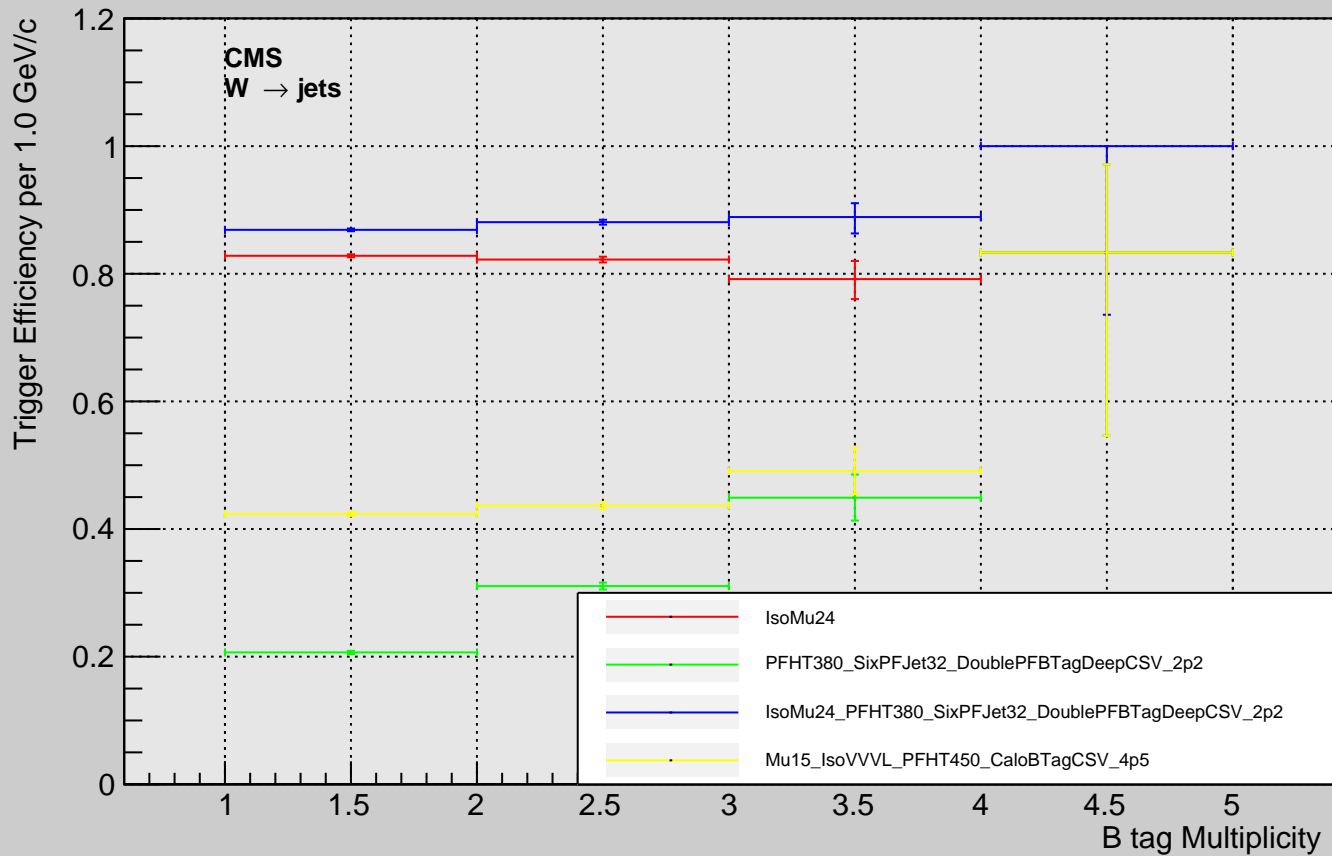


h_jetMult_notrigger	
Entries	33985
Mean	6.524
Std Dev	0.8349

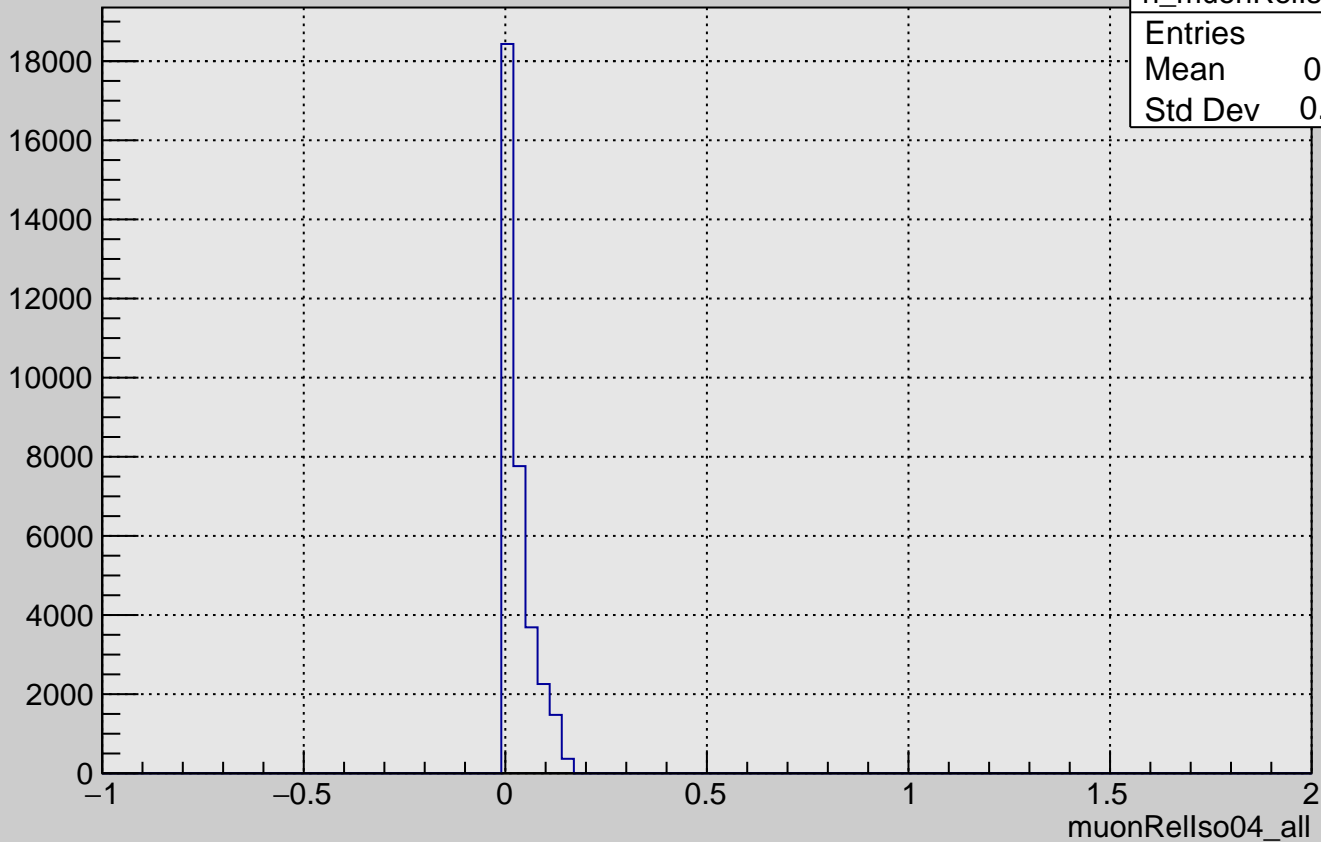


Number of Events per Number of Jets





Number of Events



h_muonRellso04_all	
Entries	33985
Mean	0.03051
Std Dev	0.03617

Number of Events per 1 GeV/c

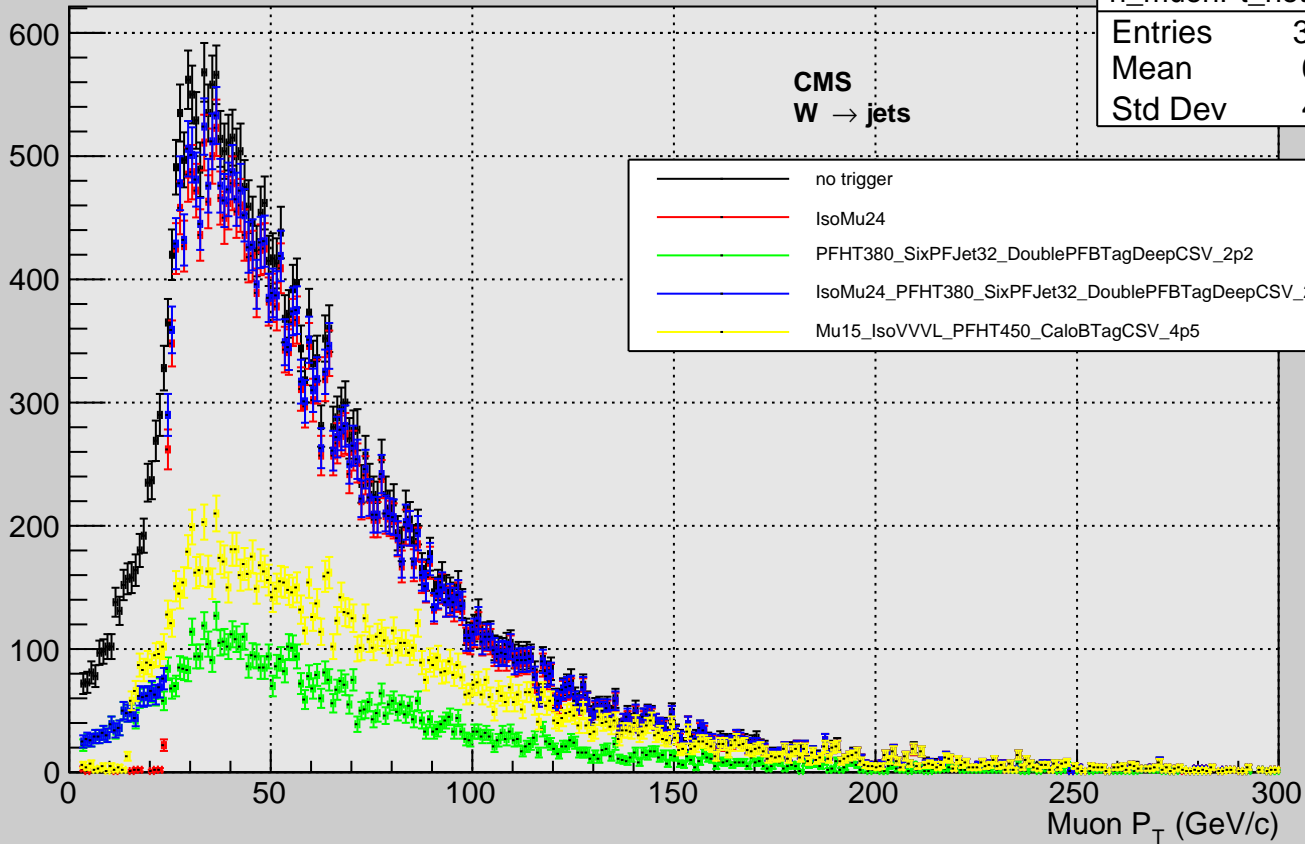
CMS
W \rightarrow jets

h_muonPt_notrigger

Entries 33985

Mean 62.85

Std Dev 41.84



Number of Events per 1 GeV/c

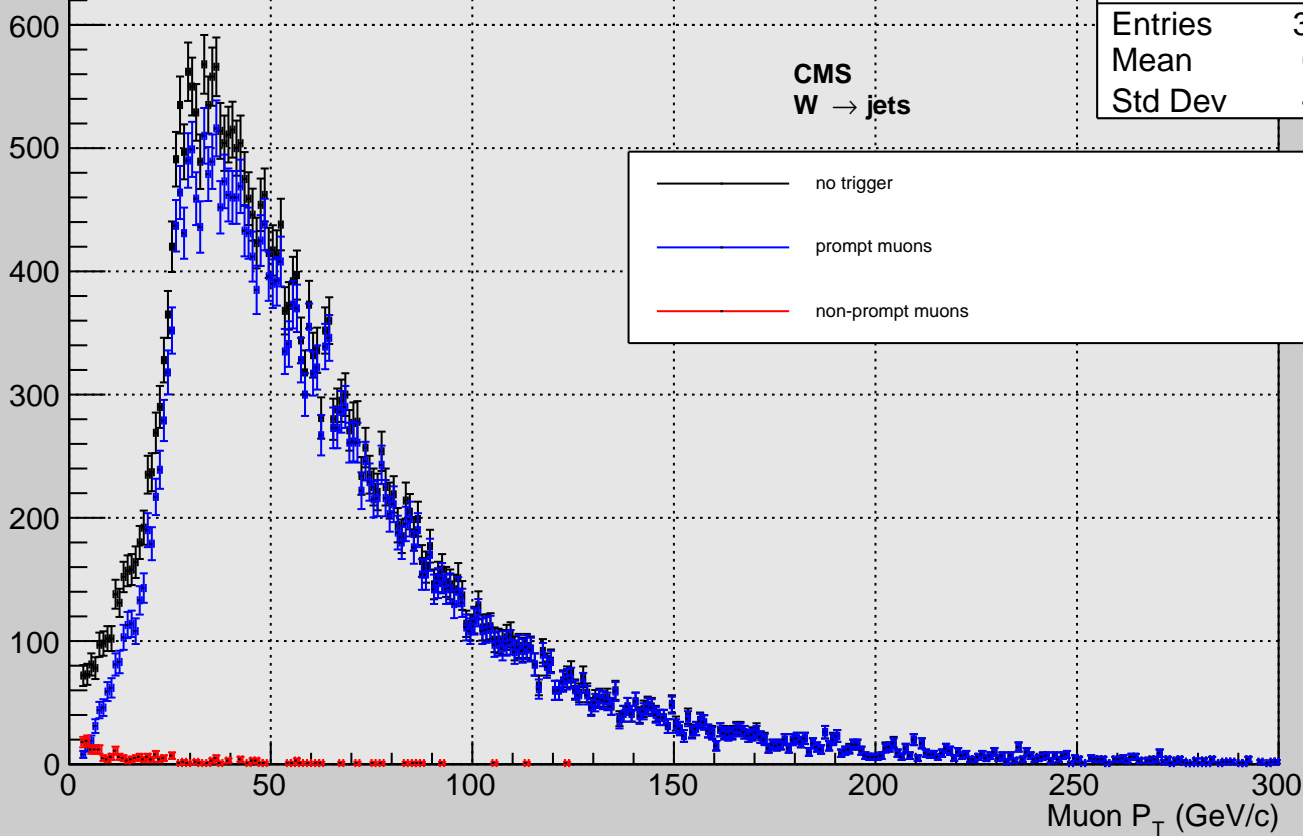
CMS
 $W \rightarrow \text{jets}$

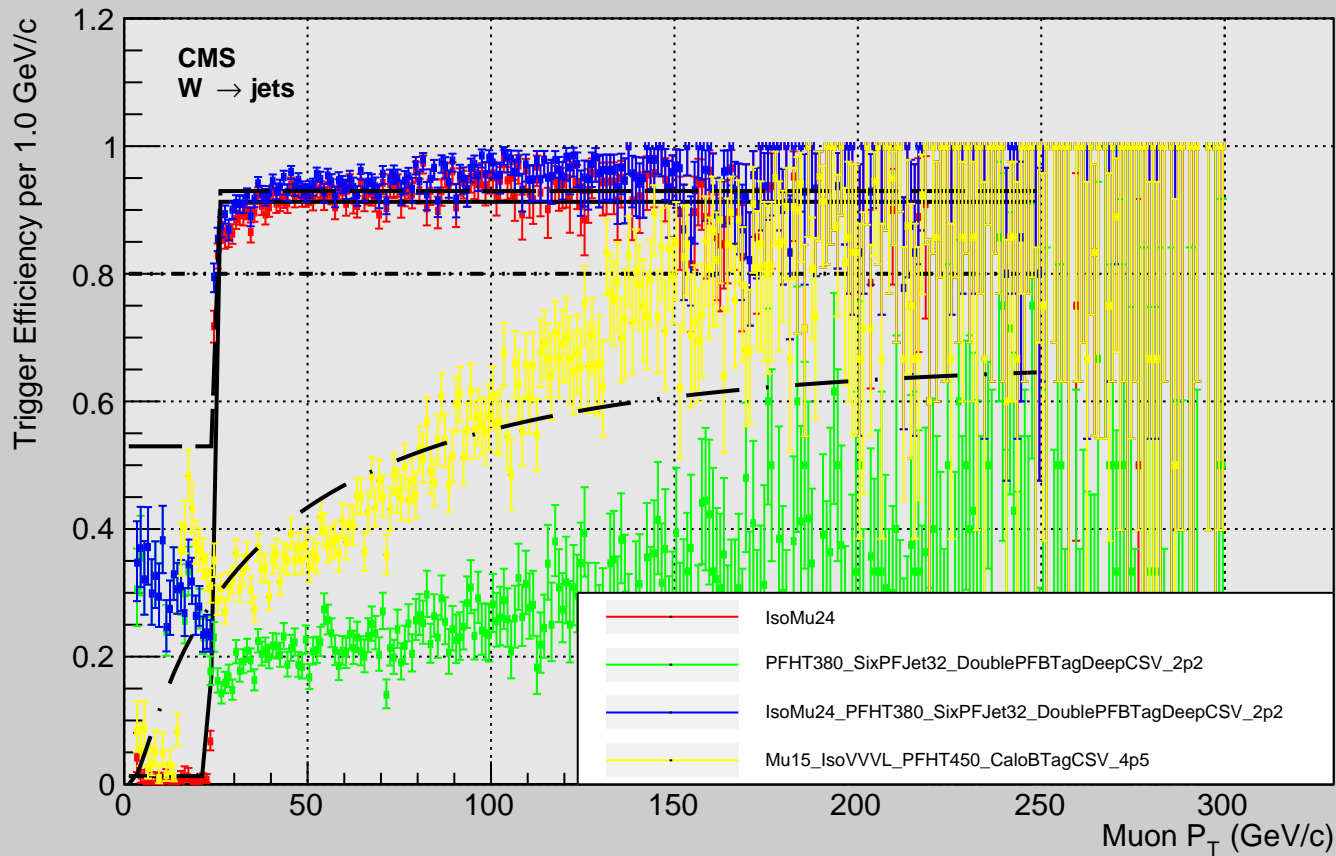
h_muonPt_notrigger

Entries 33985

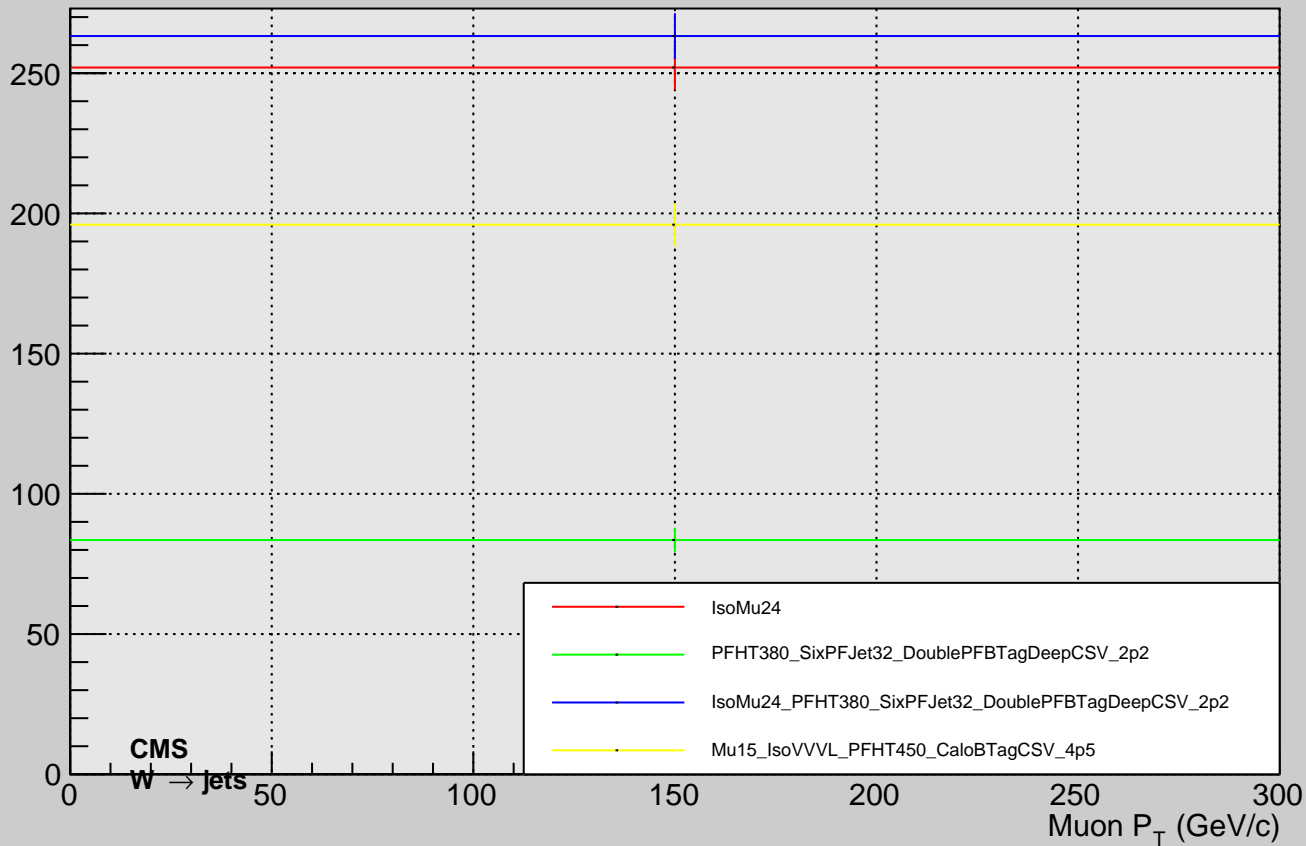
Mean 62.85

Std Dev 41.84

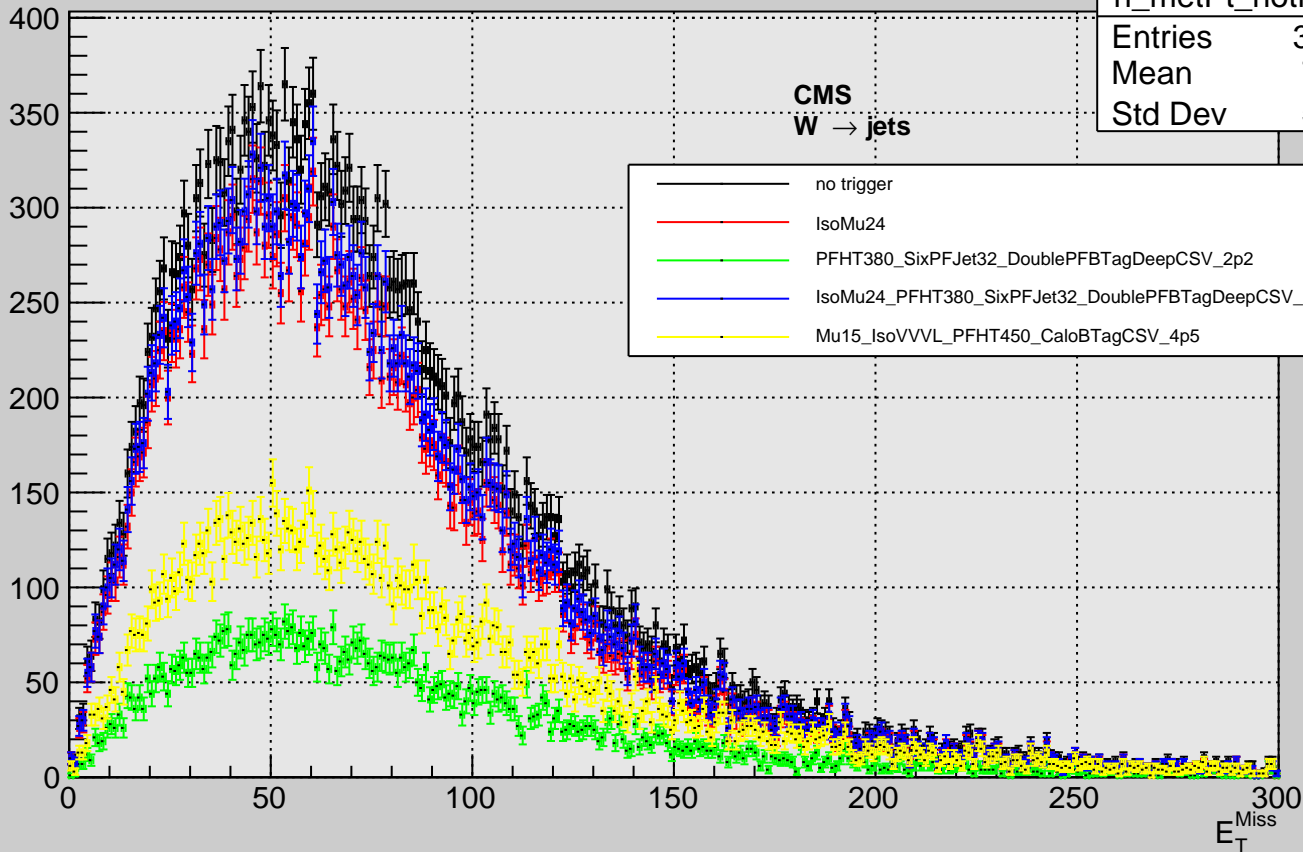




Trigger Efficiency per 1.00 GeV/c



Number of Events per 1 GeV/c

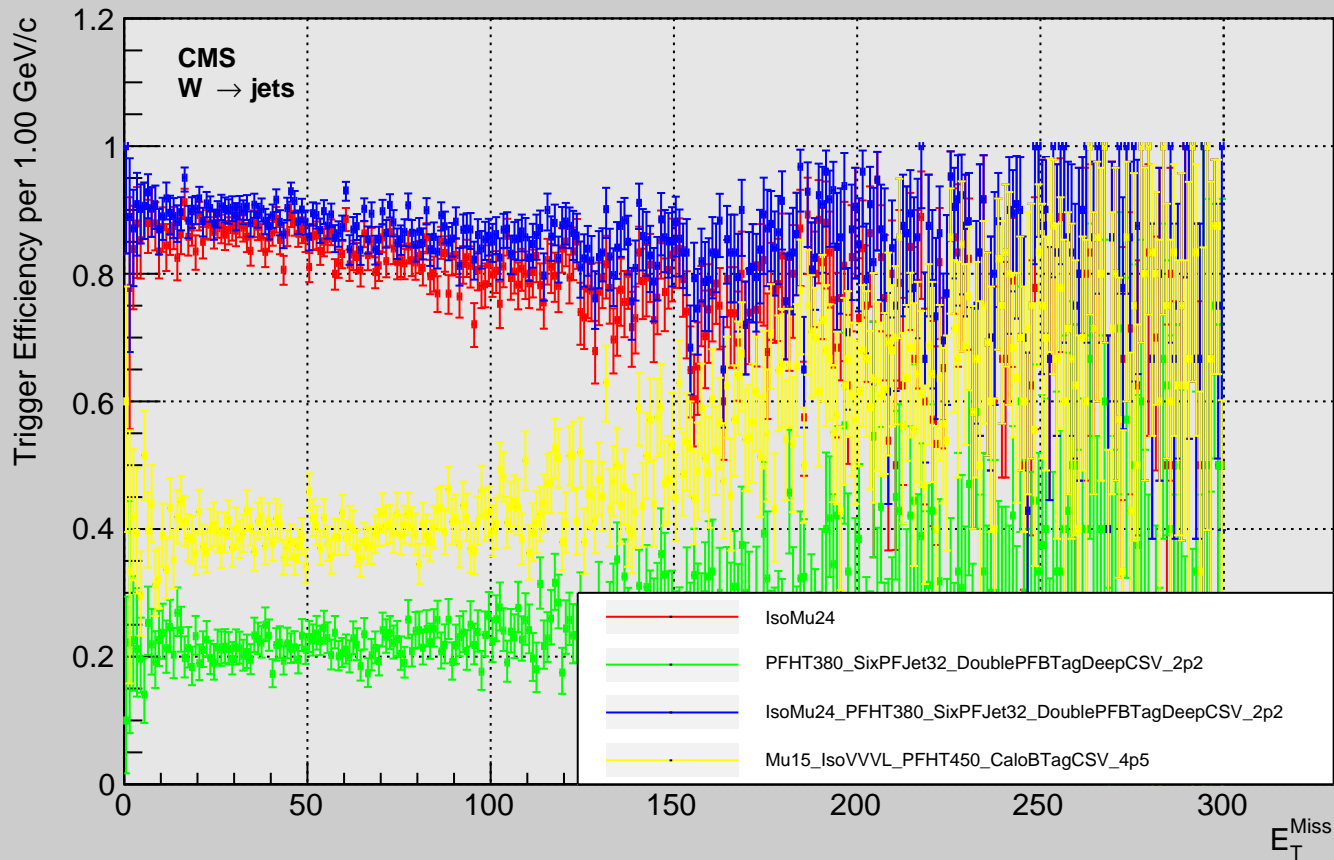


h_metPt_notrigger

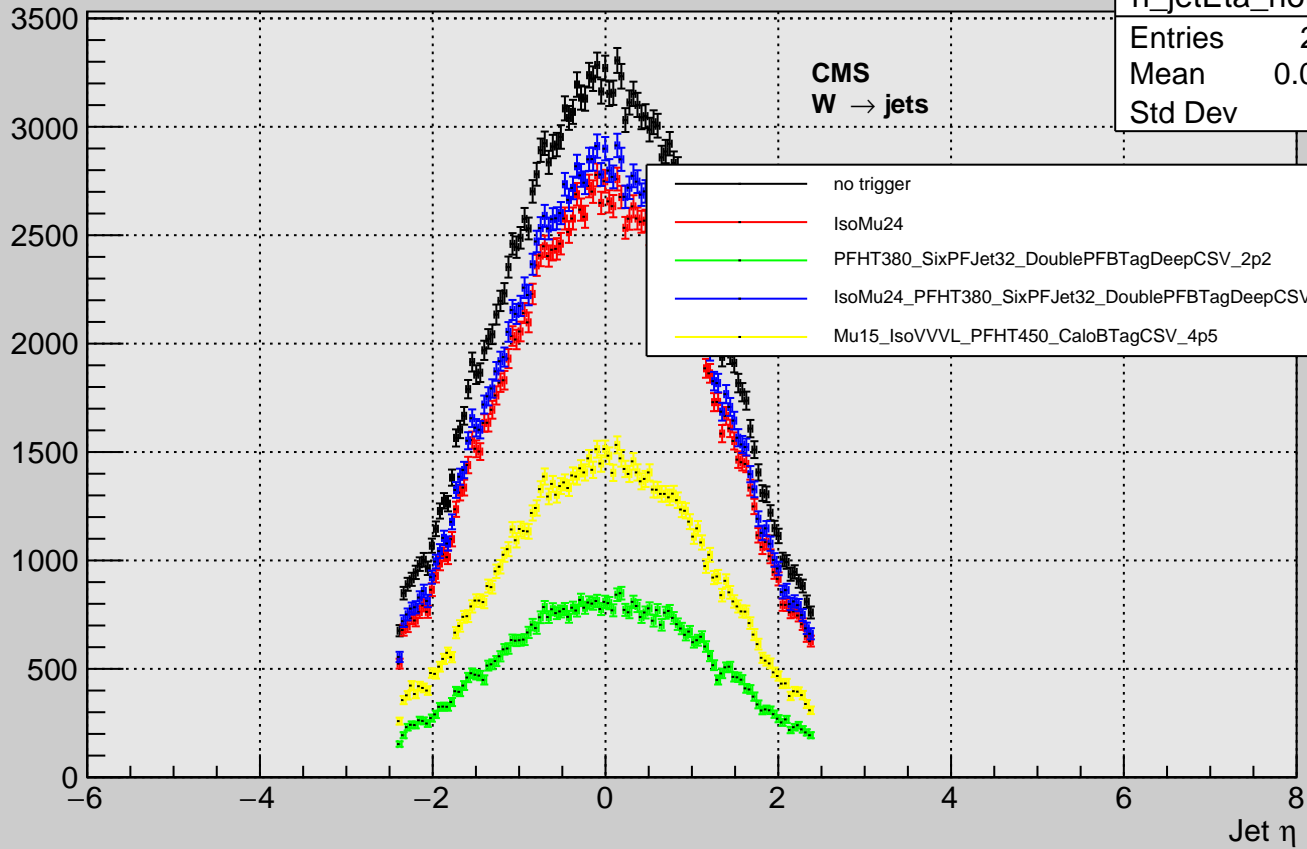
Entries 33985

Mean 77.93

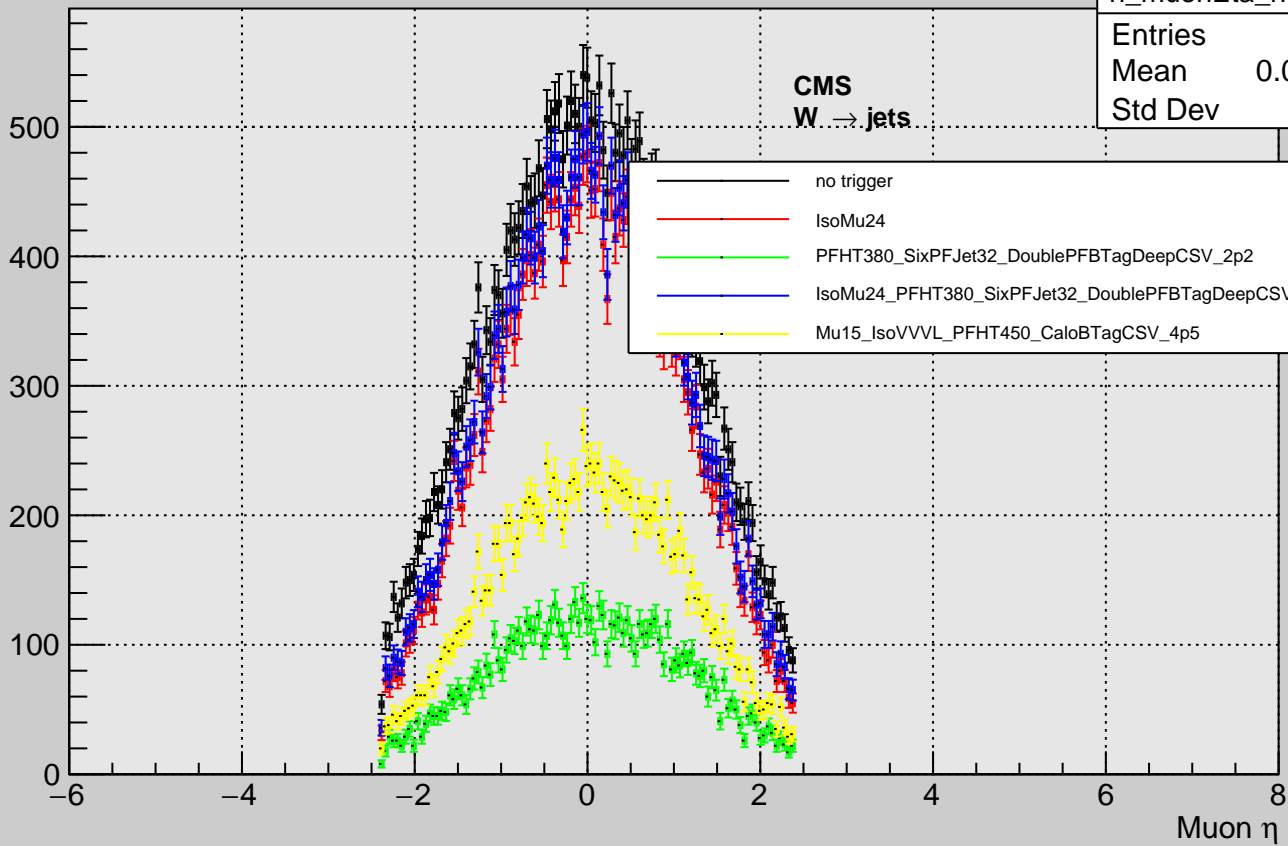
Std Dev 50.42



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



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

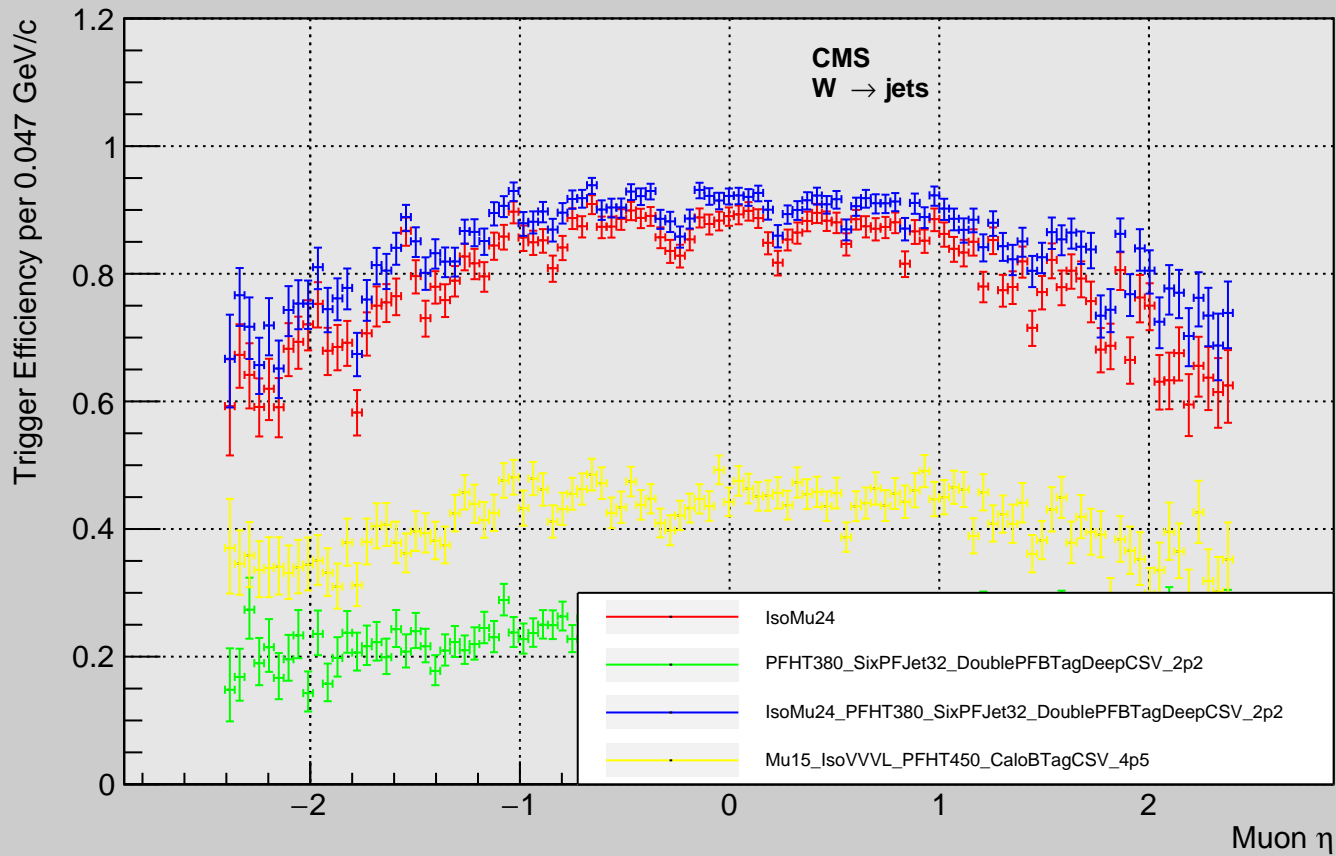


h_muonEta_notrigger

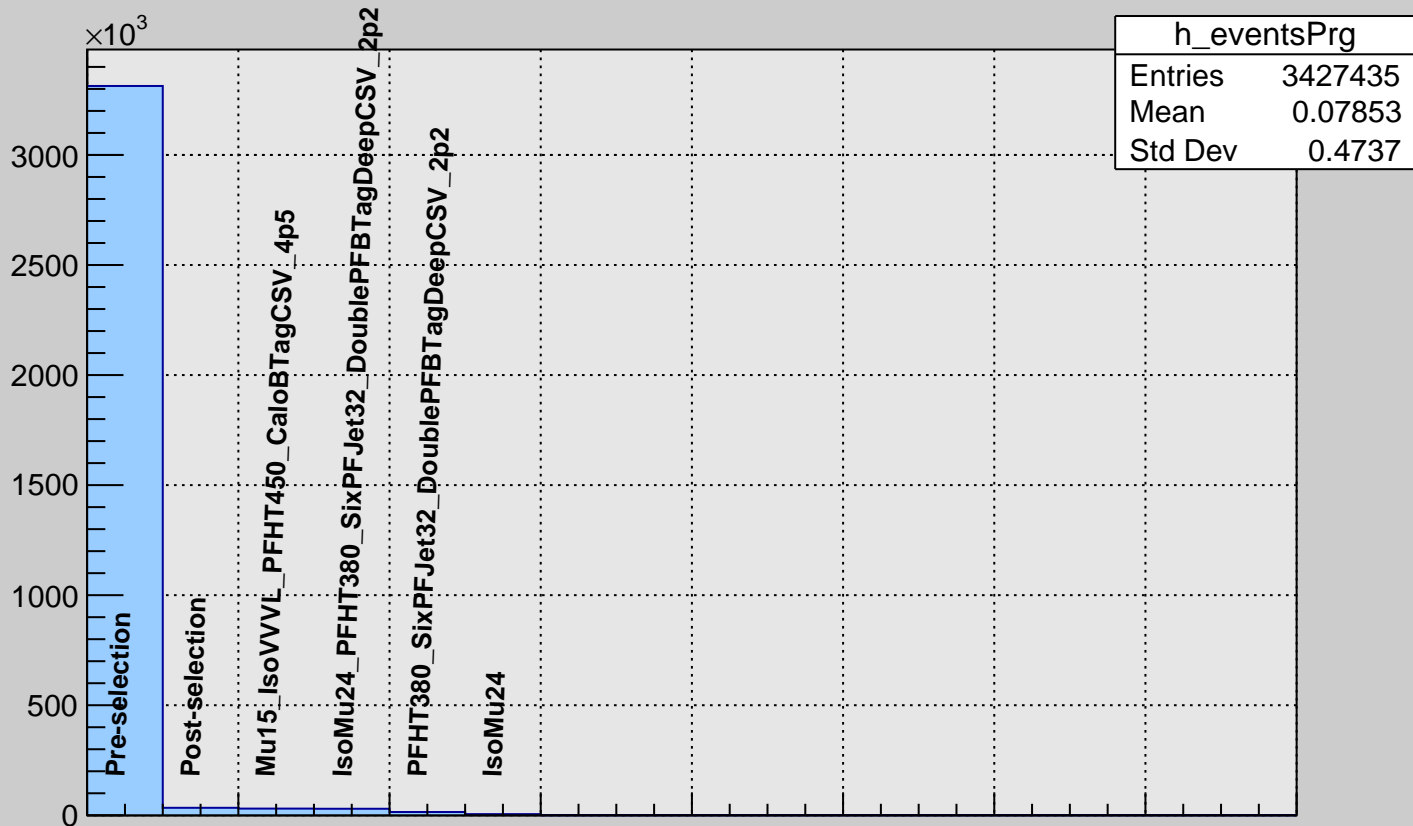
Entries 33985

Mean 0.002359

Std Dev 1.104



Total Number of Accepted Events



Cuts and Triggers

h_eventsPrg

Entries 3427435

Mean 0.07853

Std Dev 0.4737