

On-line (pre-)selection Requisites for:

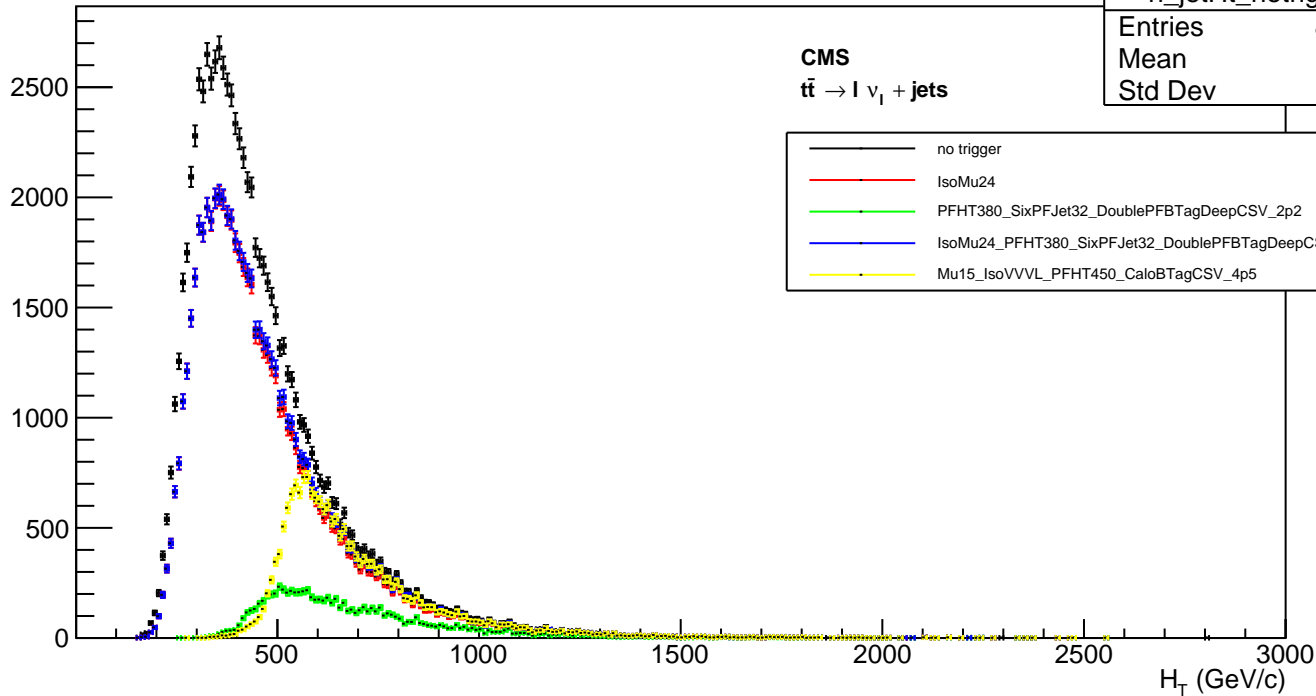
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

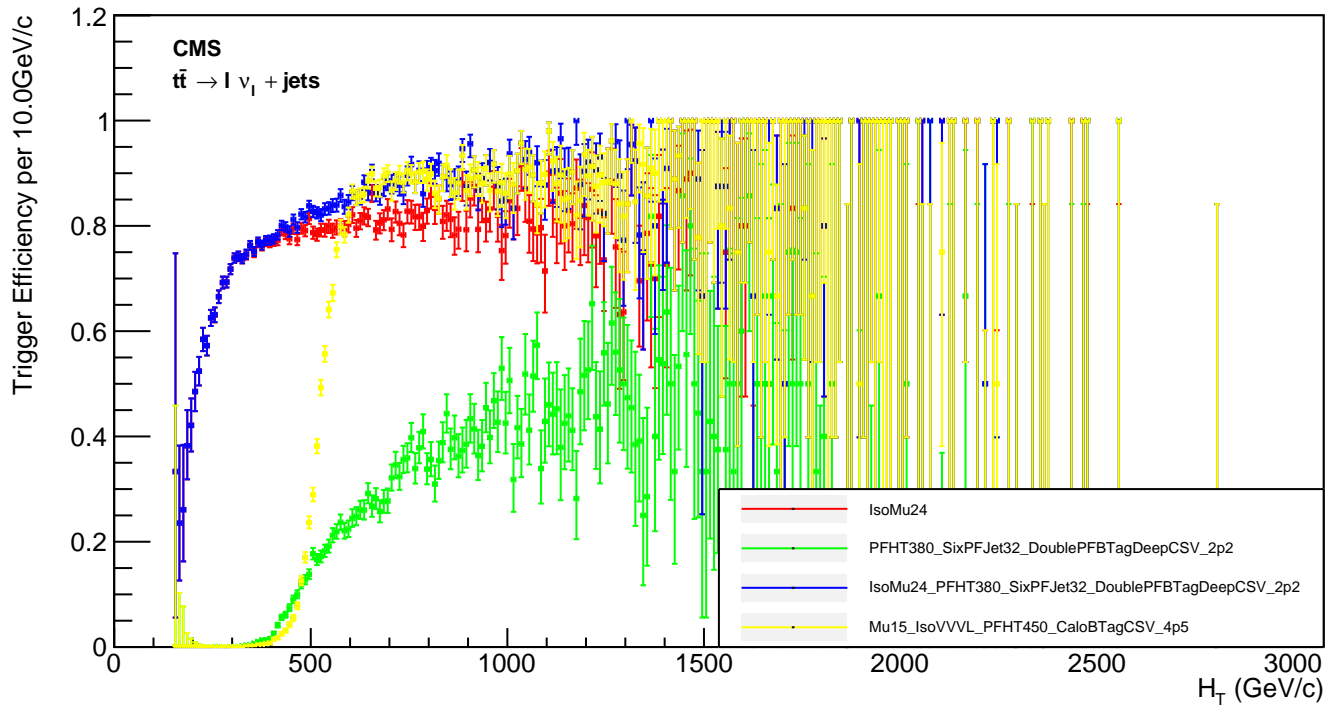
- **Jets:** $\text{jetId} > 2$, $p_T > 20$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

Number of Events per 10 GeV/c

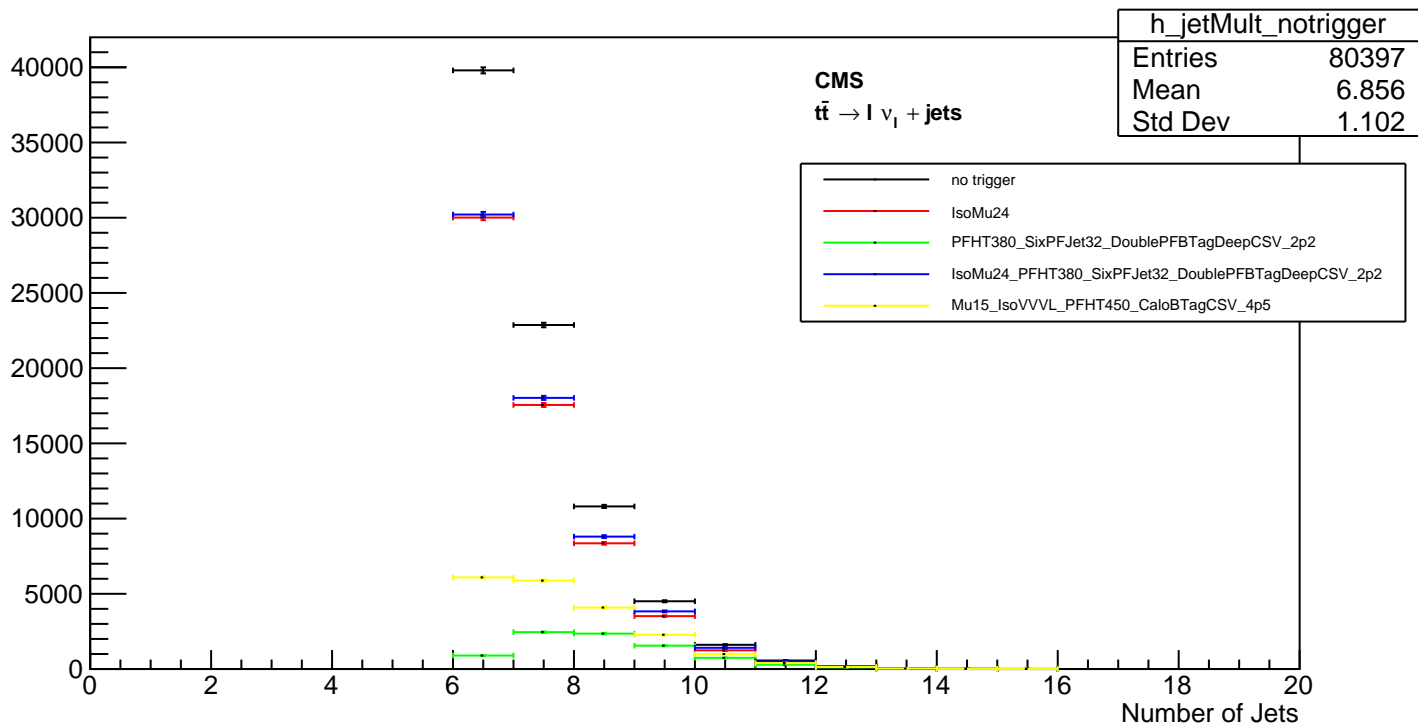


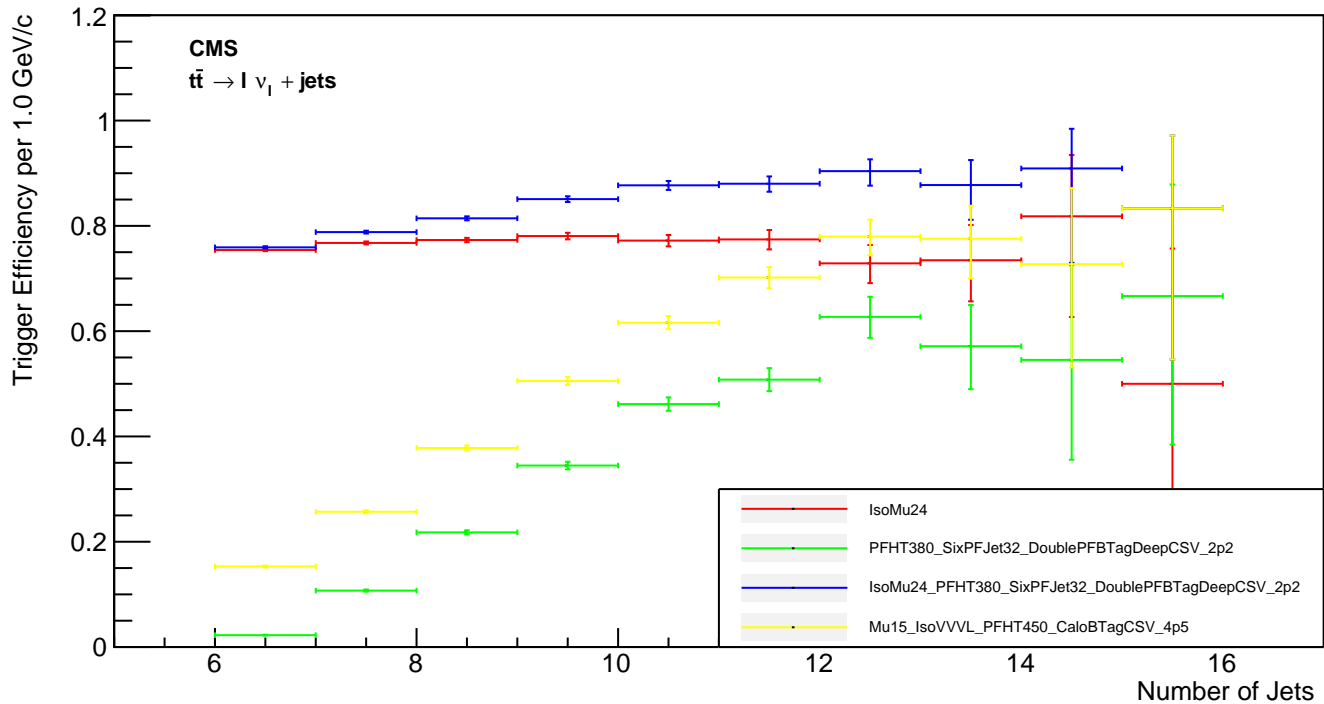
h_jetHt_notrigger

Entries	80397
Mean	462.4
Std Dev	195.3

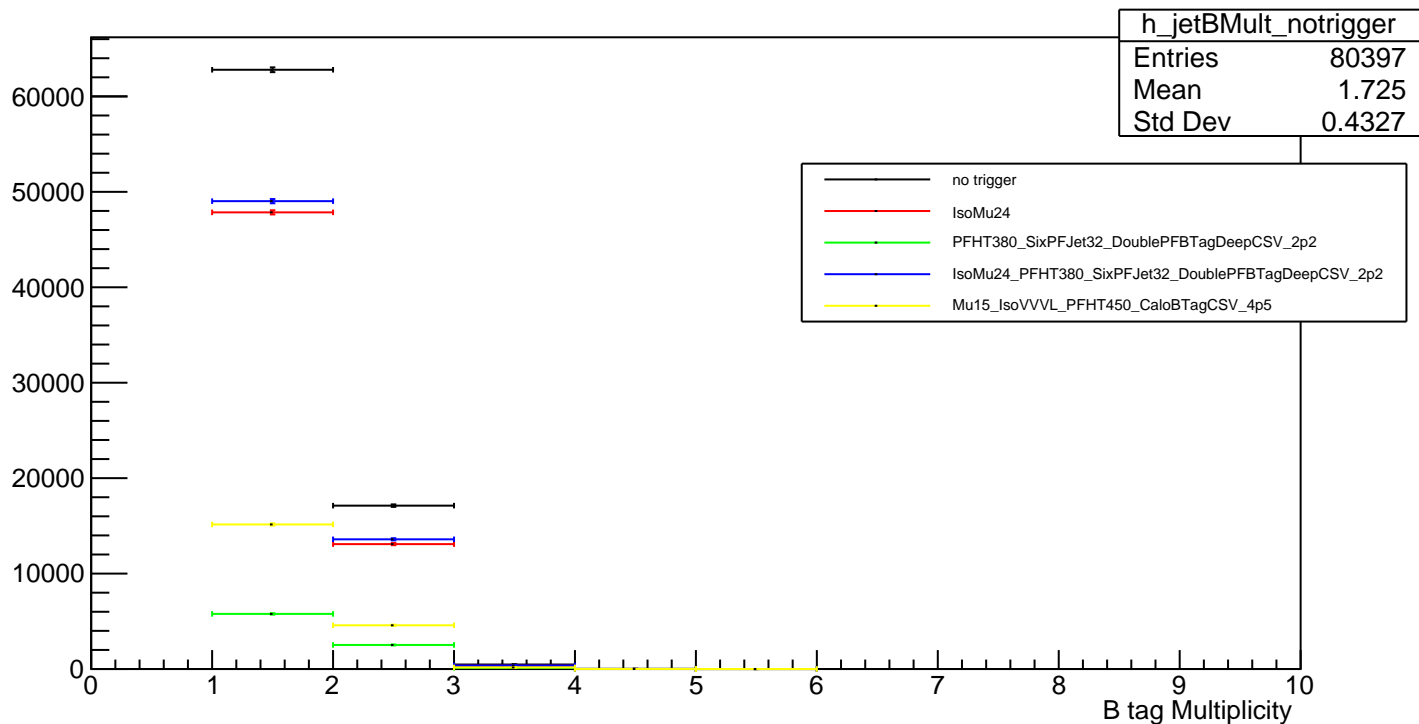


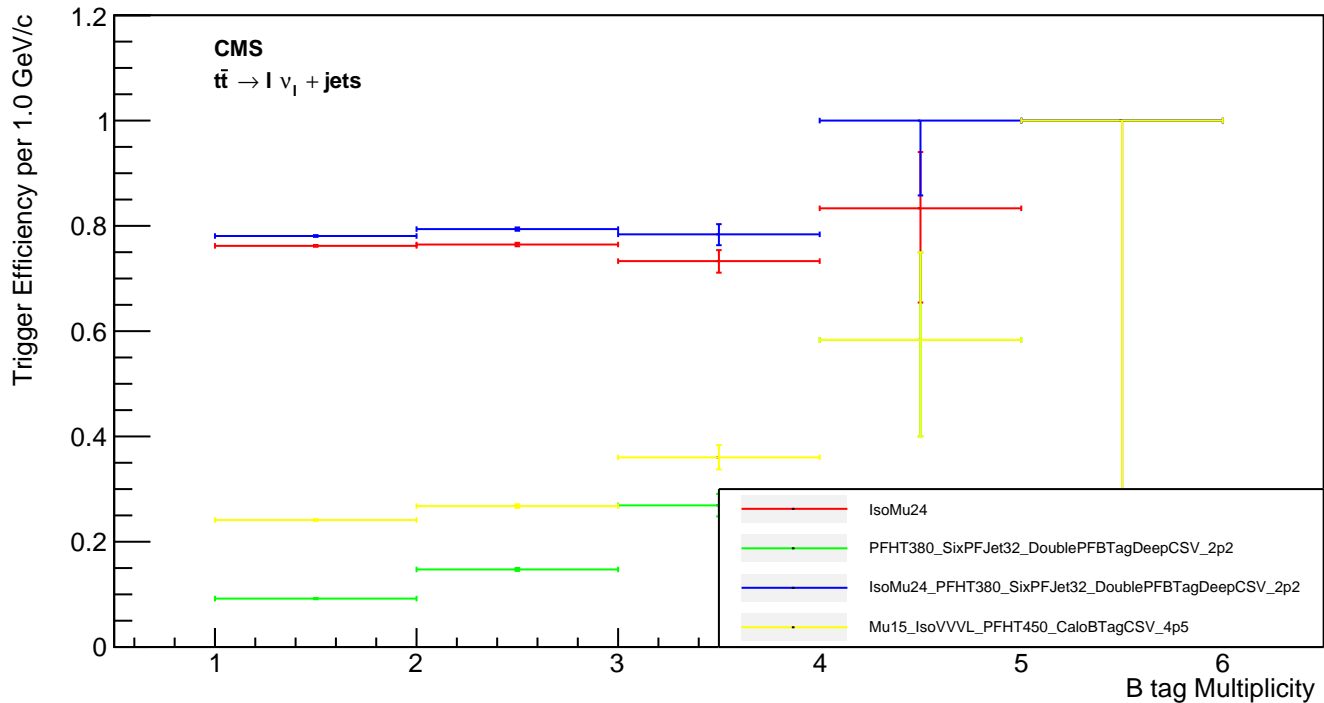
Number of Events per Number of Jets



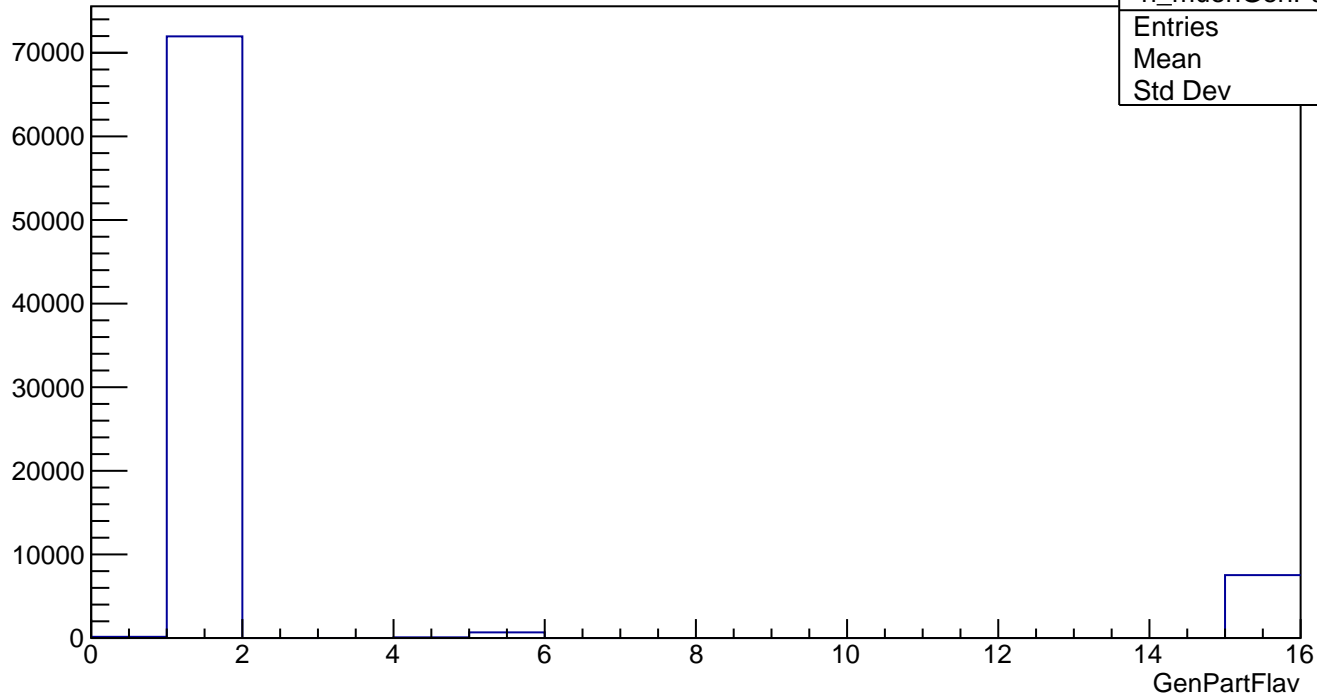


Number of Events per Number of Jets



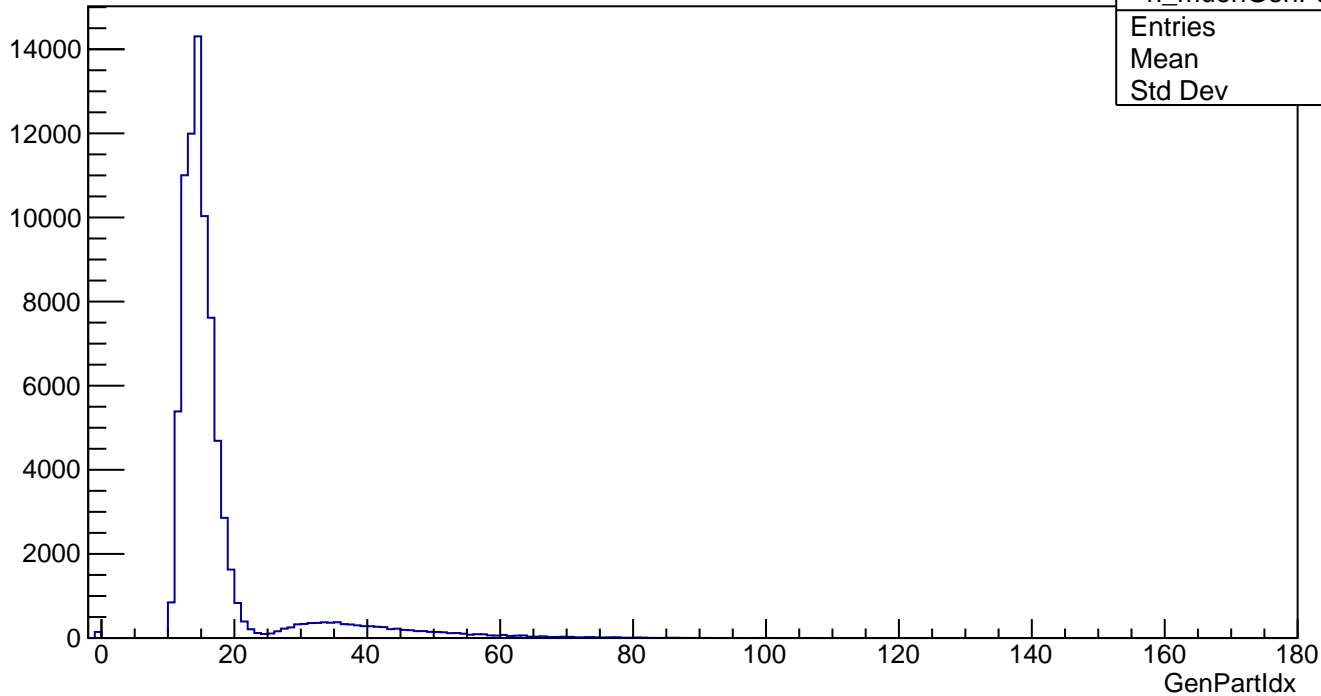


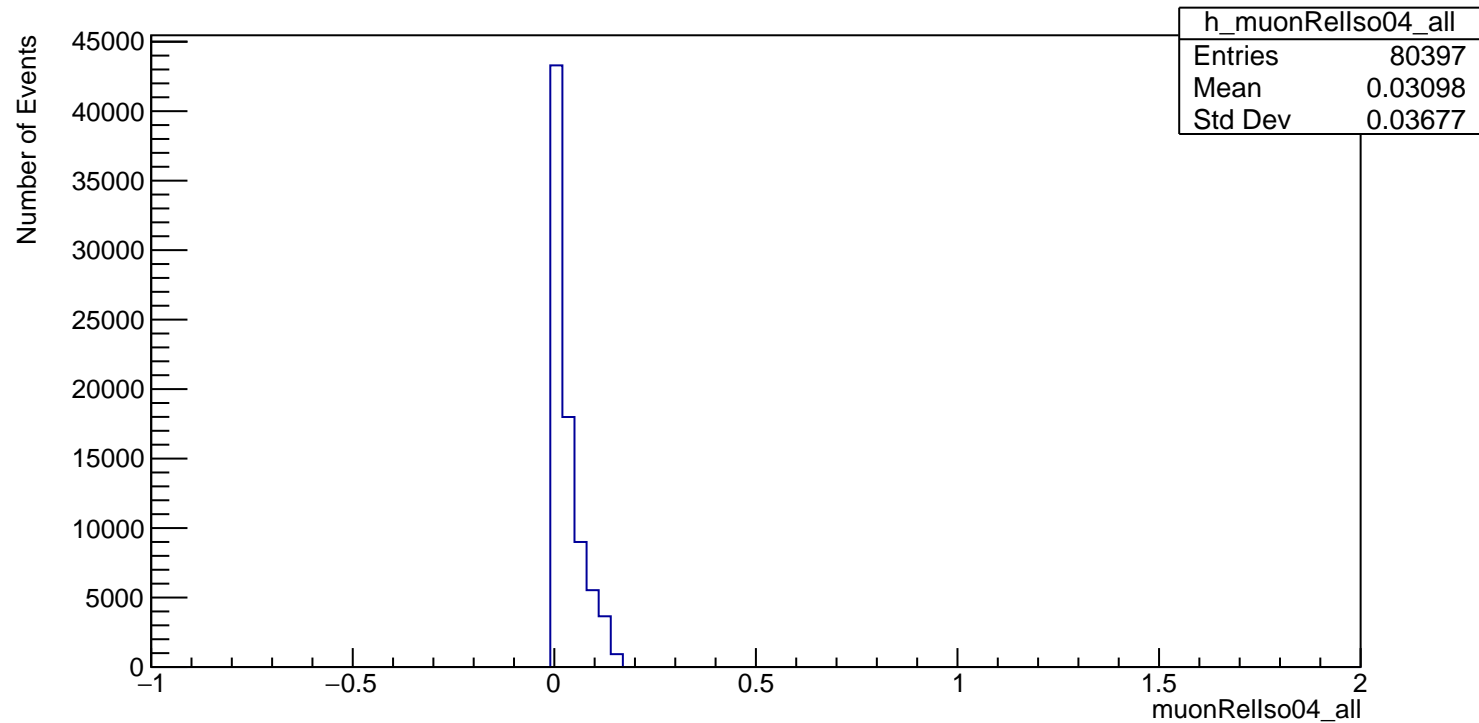
Number of events



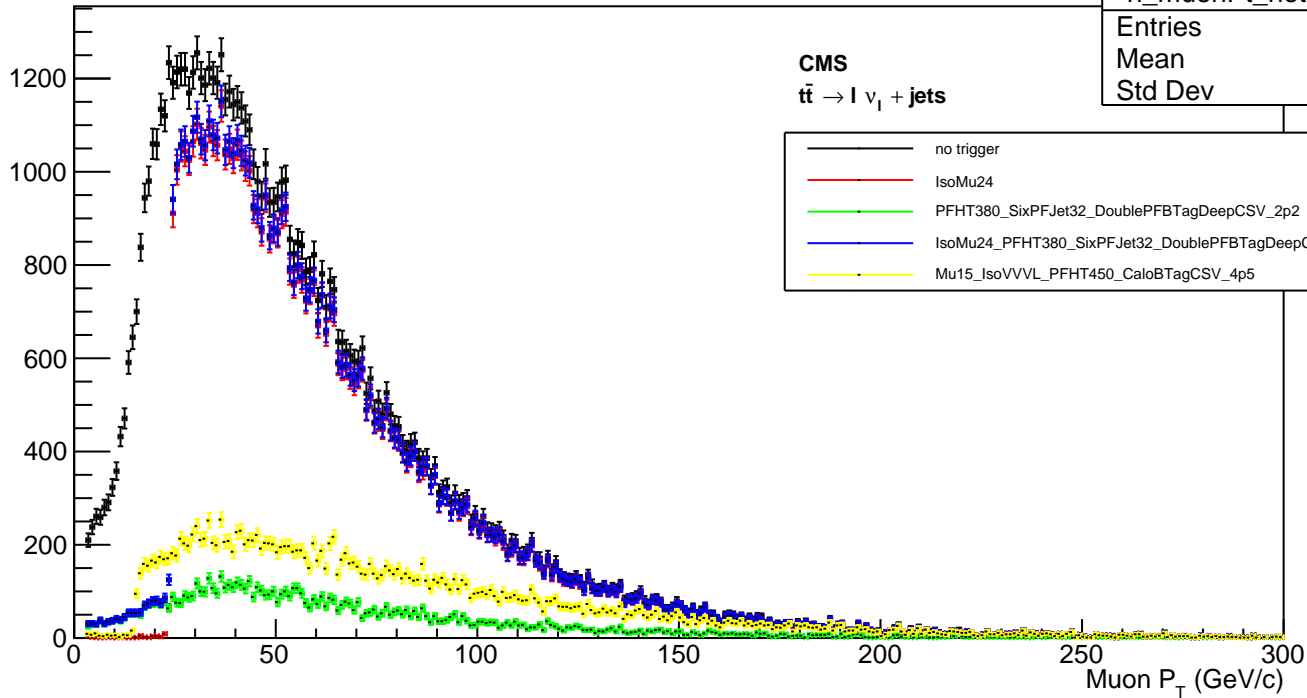
h_muonGenPartFlav	
Entries	80397
Mean	2.346
Std Dev	4.084

Number of events



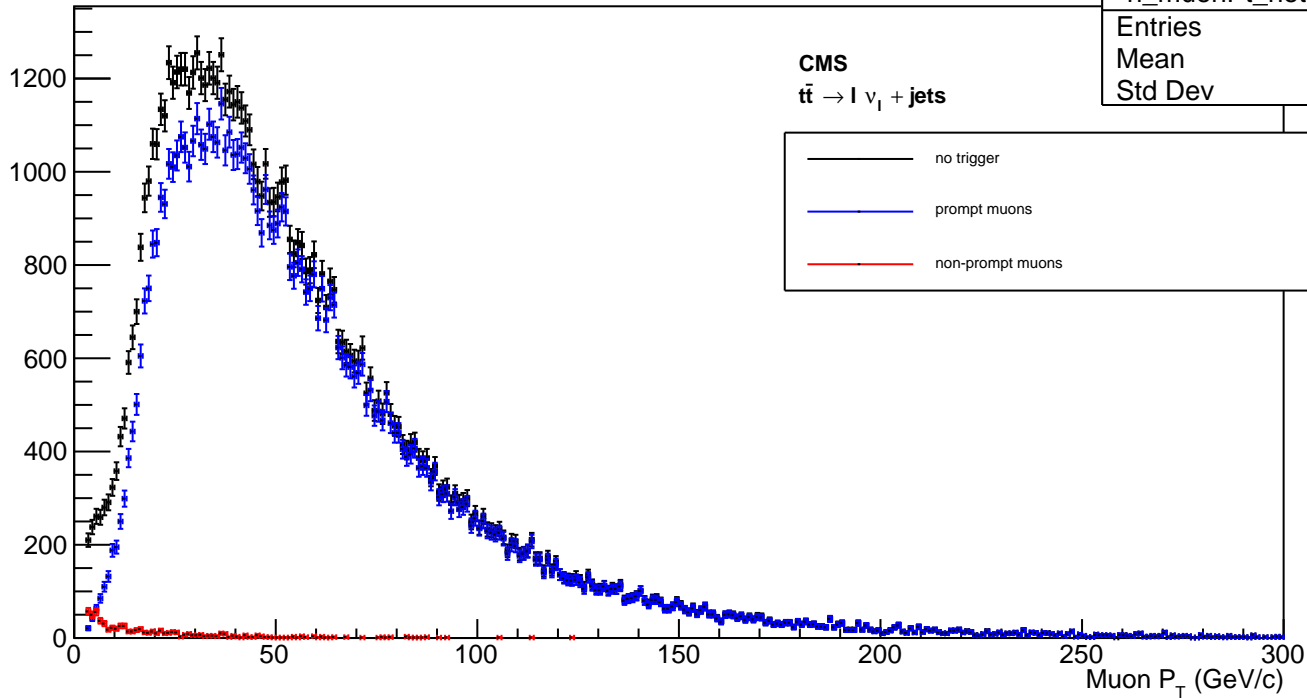


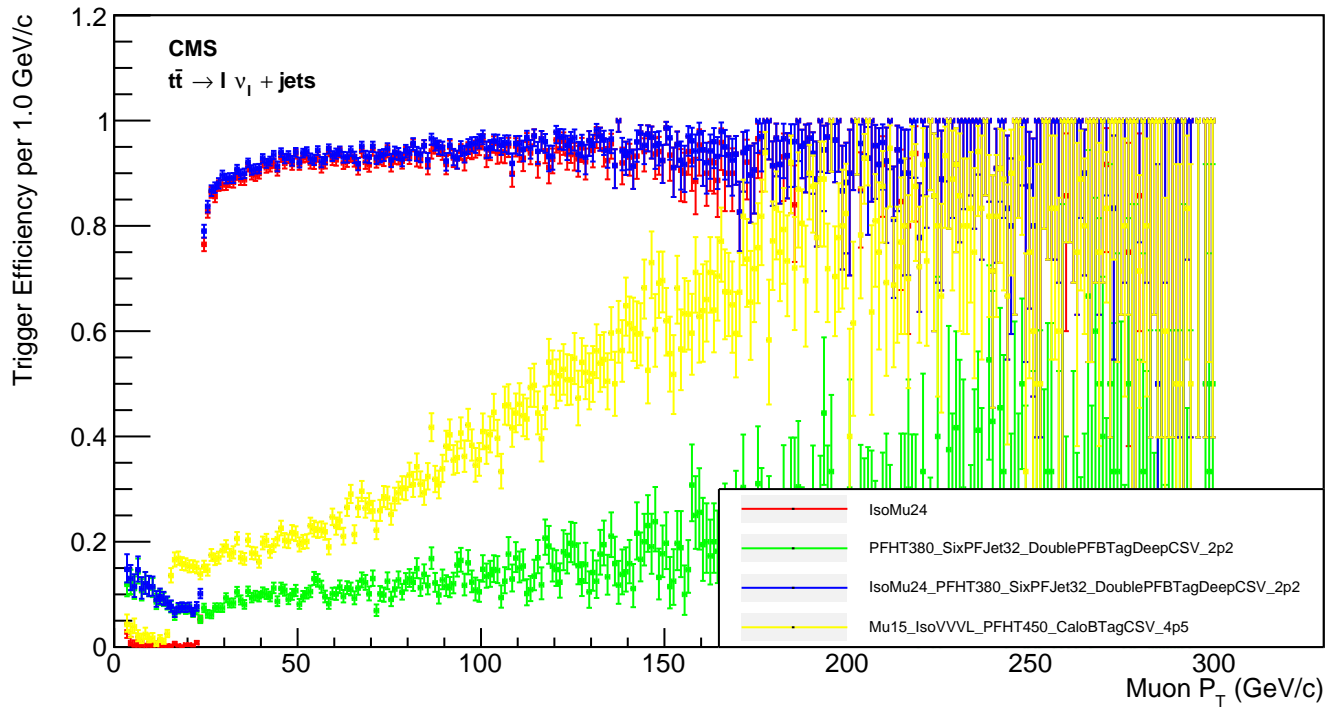
Number of Events per 1 GeV/c



h_muonPt_notrigger	
Entries	80397
Mean	56.9
Std Dev	39.37

Number of Events per 1 GeV/c





Number of Events per 1 GeV/c

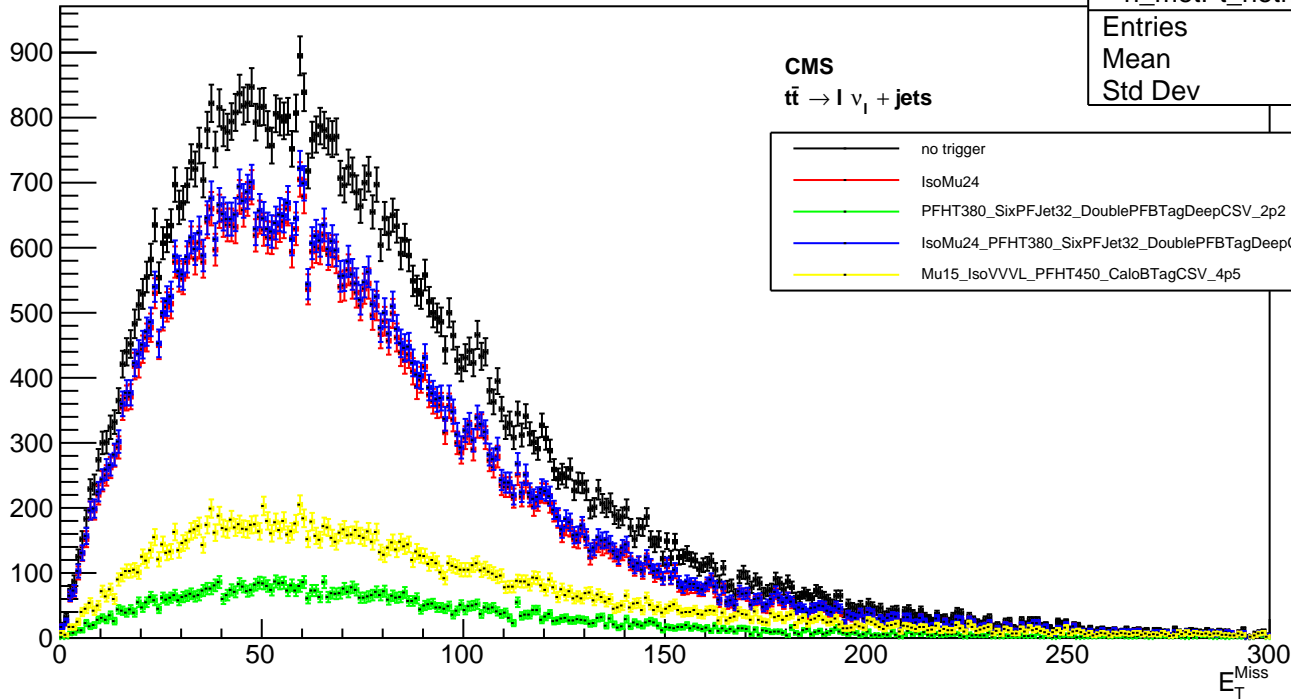
CMS

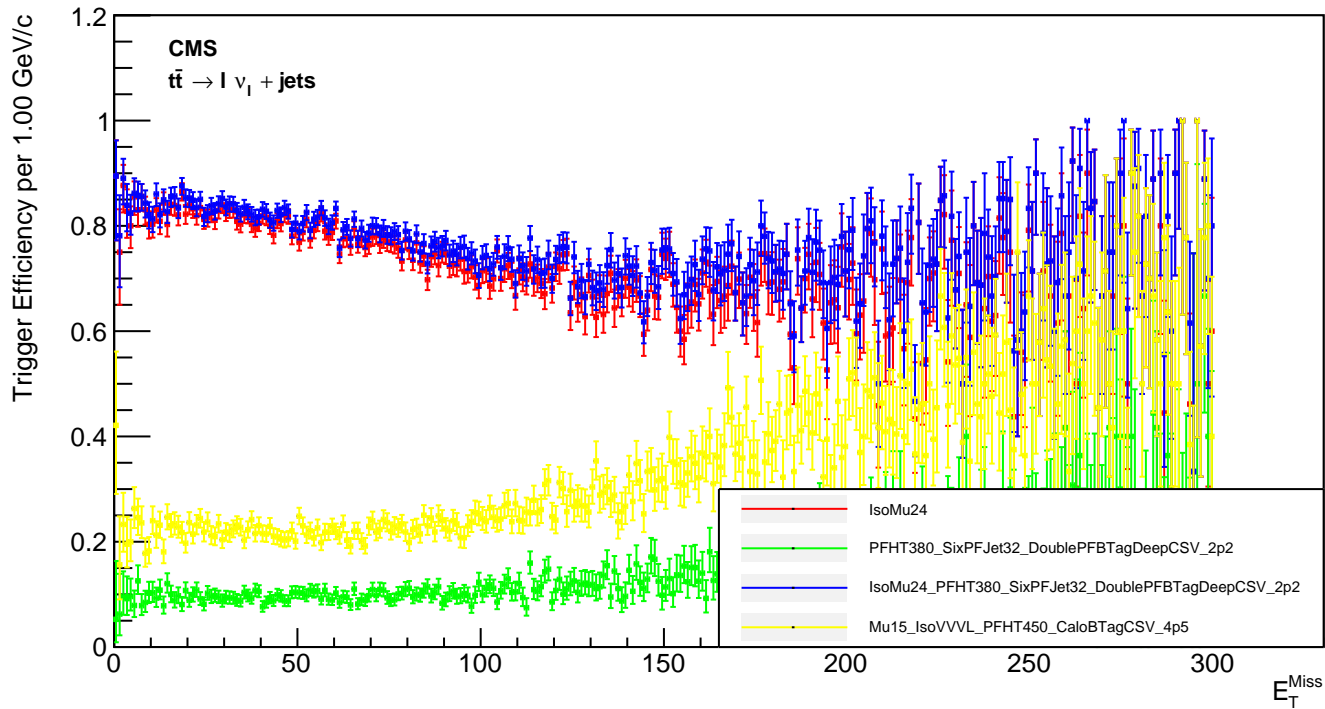
$t\bar{t} \rightarrow l \nu_l + \text{jets}$

h_metPt_notrigger

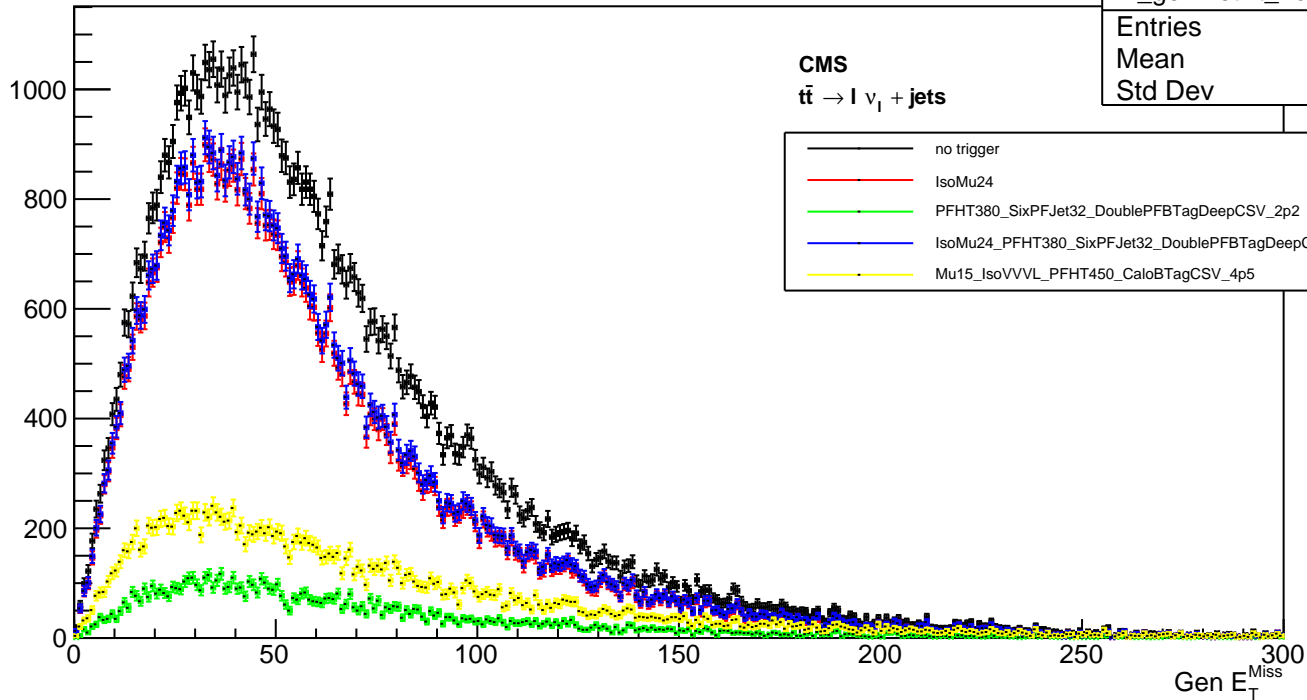
Entries	80397
Mean	76.03
Std Dev	47.97

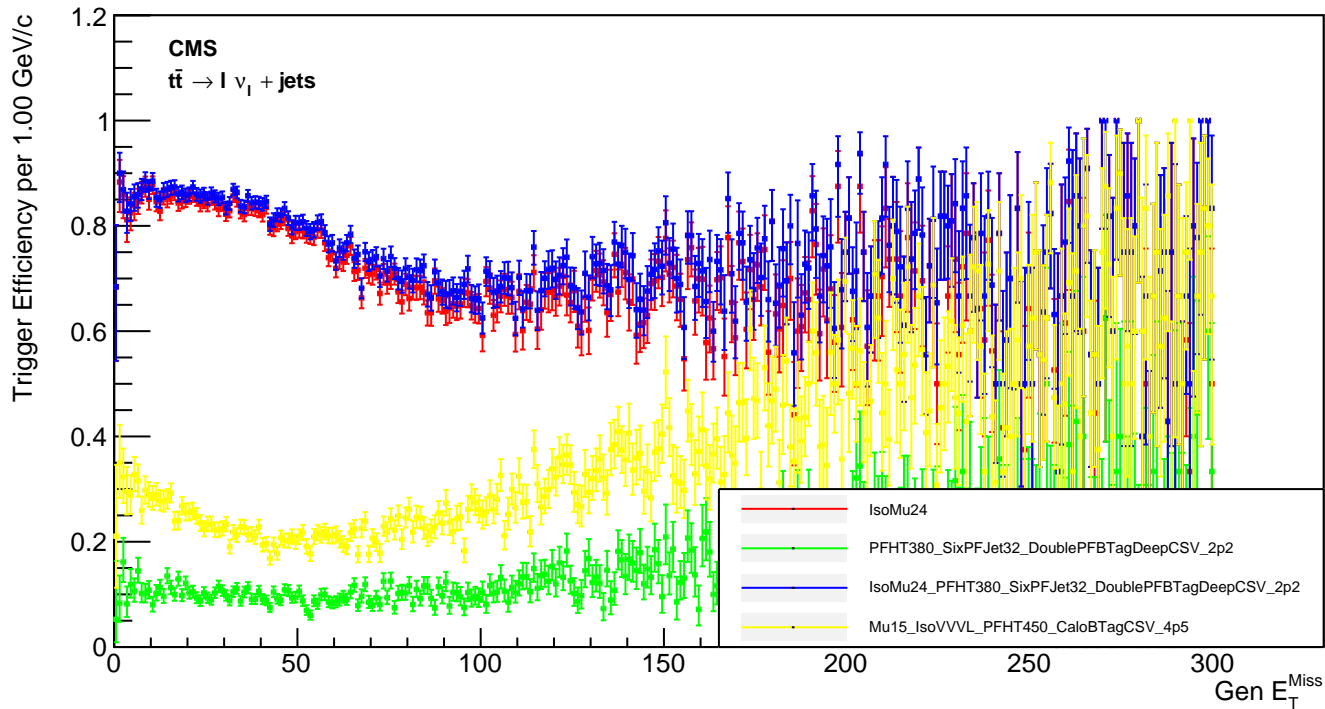
—	no trigger
—	IsoMu24
—	PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
—	IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
—	Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5



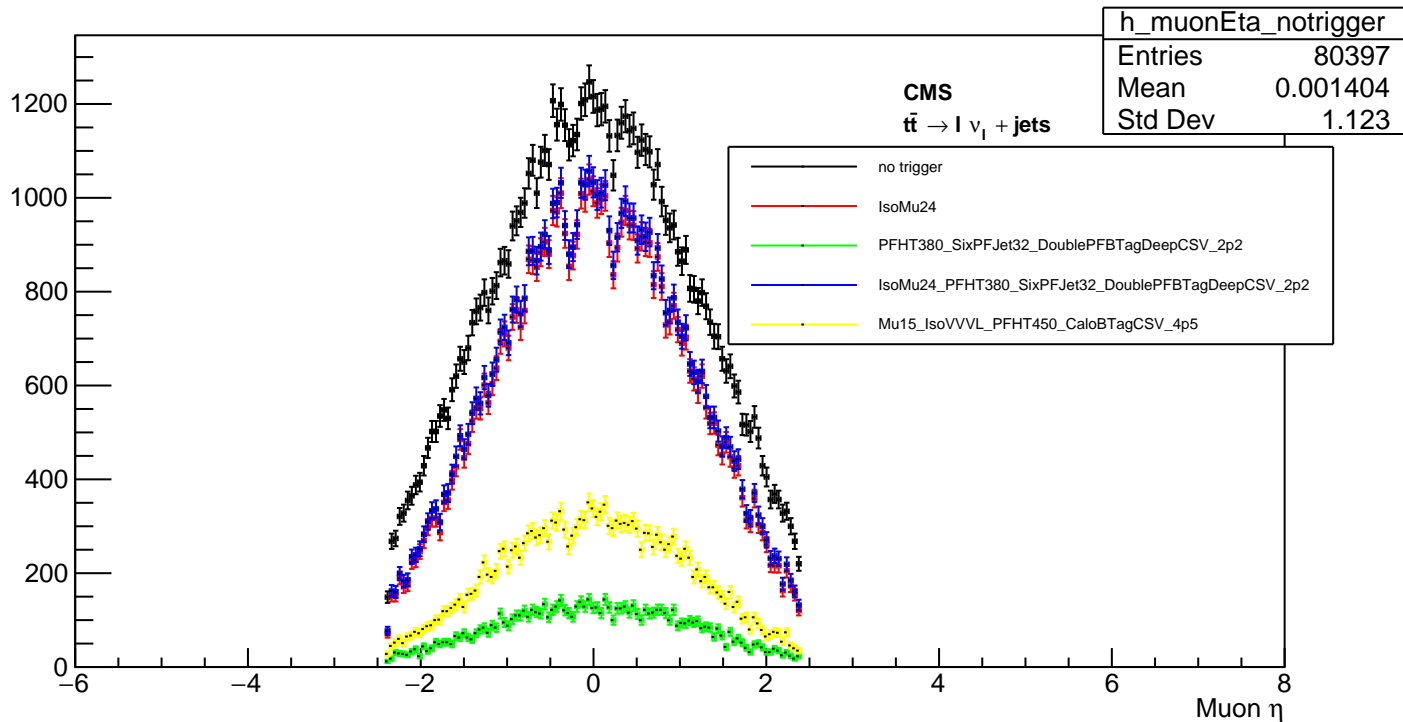


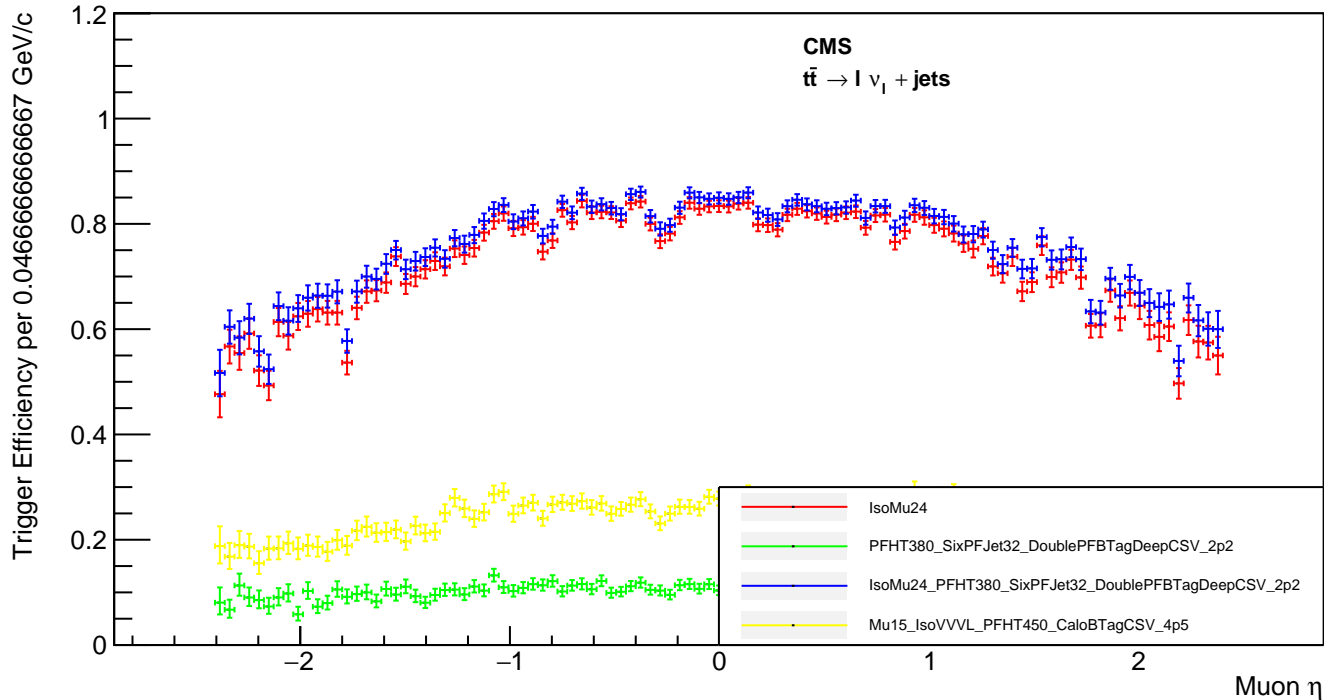
Number of Events per 1GeV/c



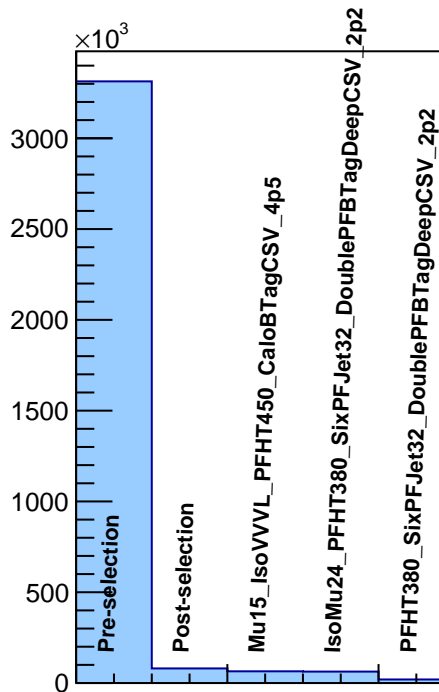


Number of Events per $\delta\eta = 0.046$





Total Number of Accepted Events



Cuts and Triggers

h_eventsPrg	
Entries	3546410
Mean	0.1422
Std Dev	0.6019