

On-line (pre-)selection Requisites for:

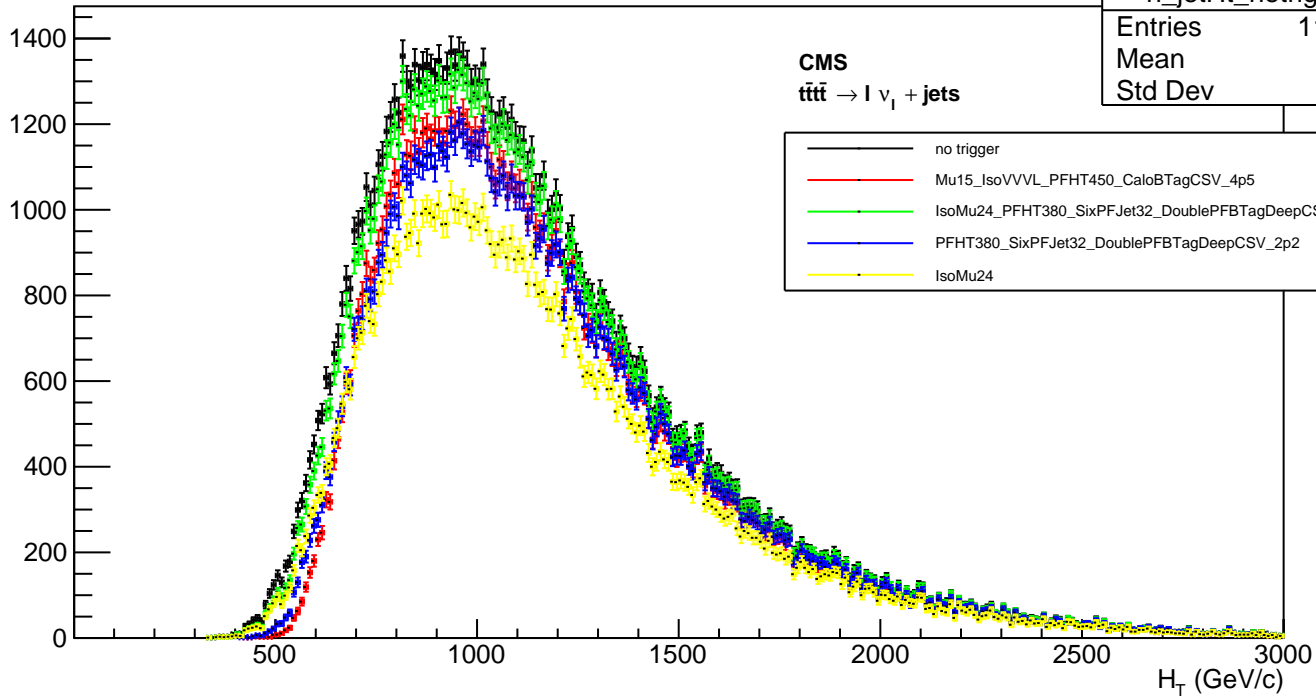
- **Jets:** number > 5
- **Muons:** number >0
- **Electrons:** number >0

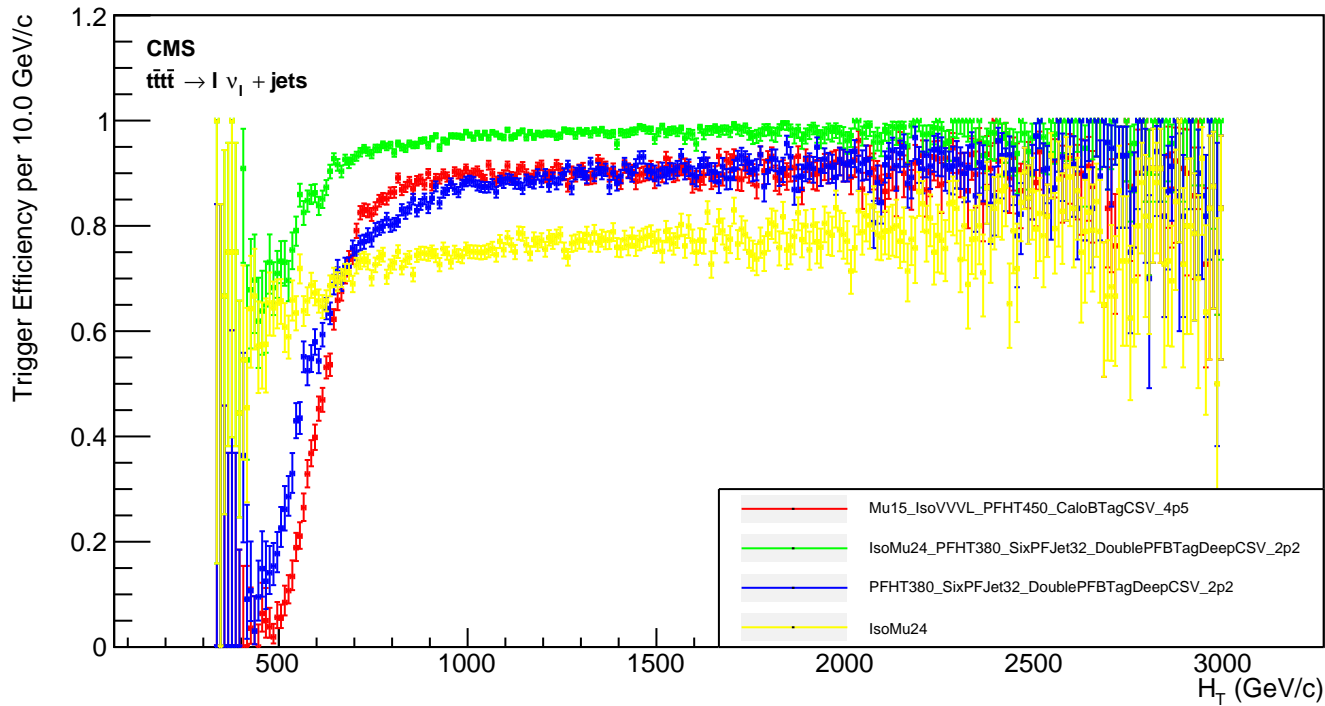
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

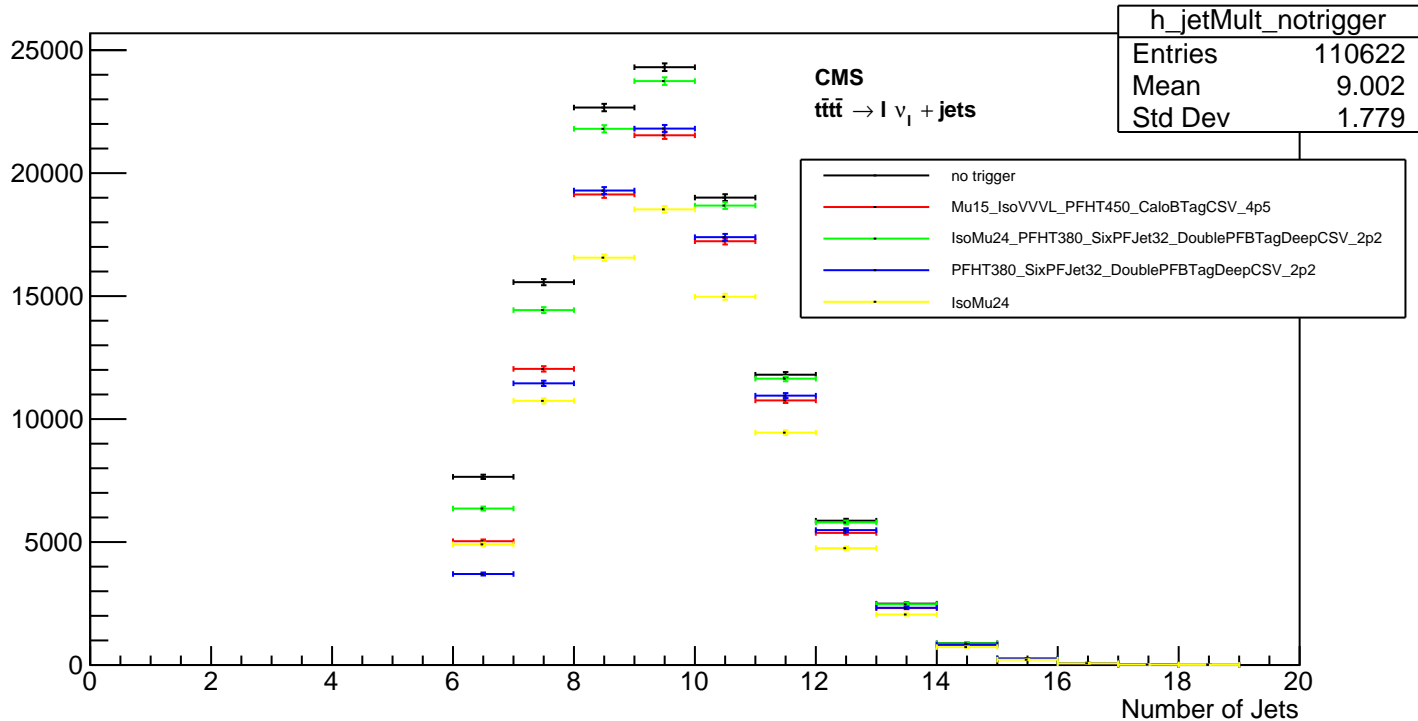
- **Jets:** $\text{jetId} > 2$, $p_T > 30$ and $|\eta| < 2.4$ (for at least 6)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

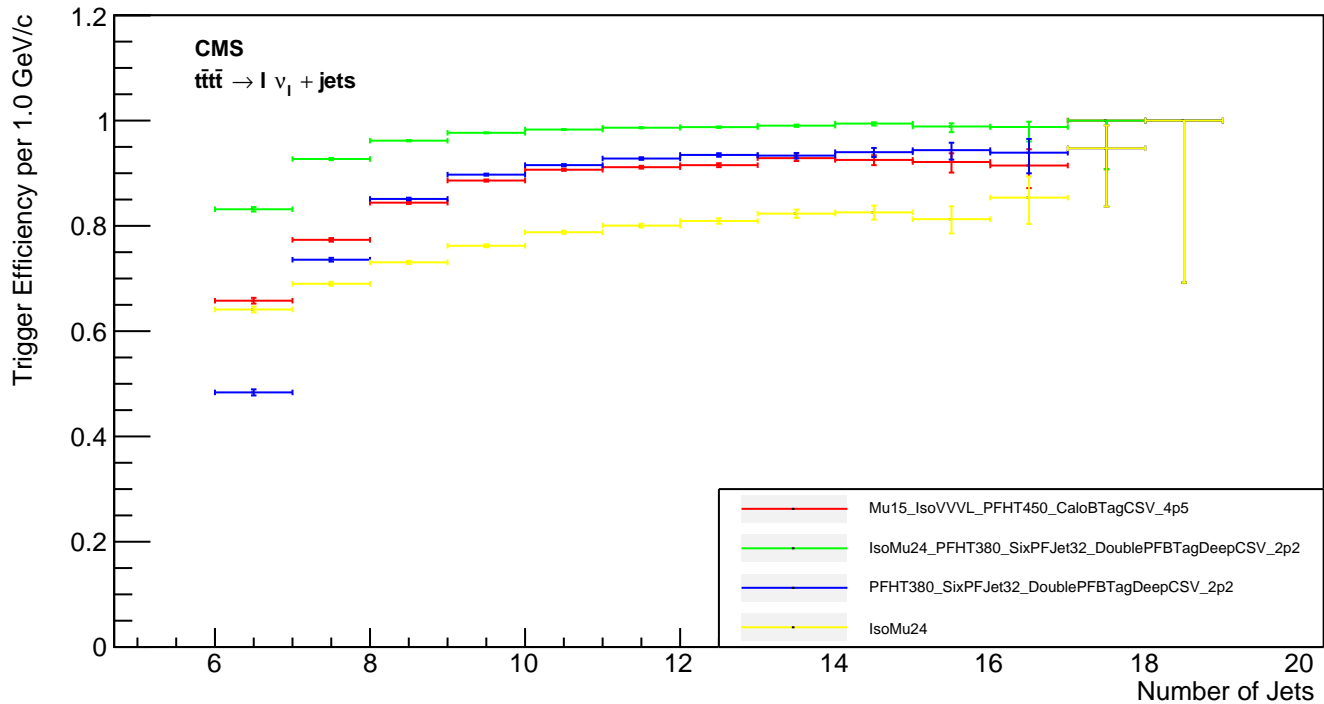
Number of Events per 10 GeV/c



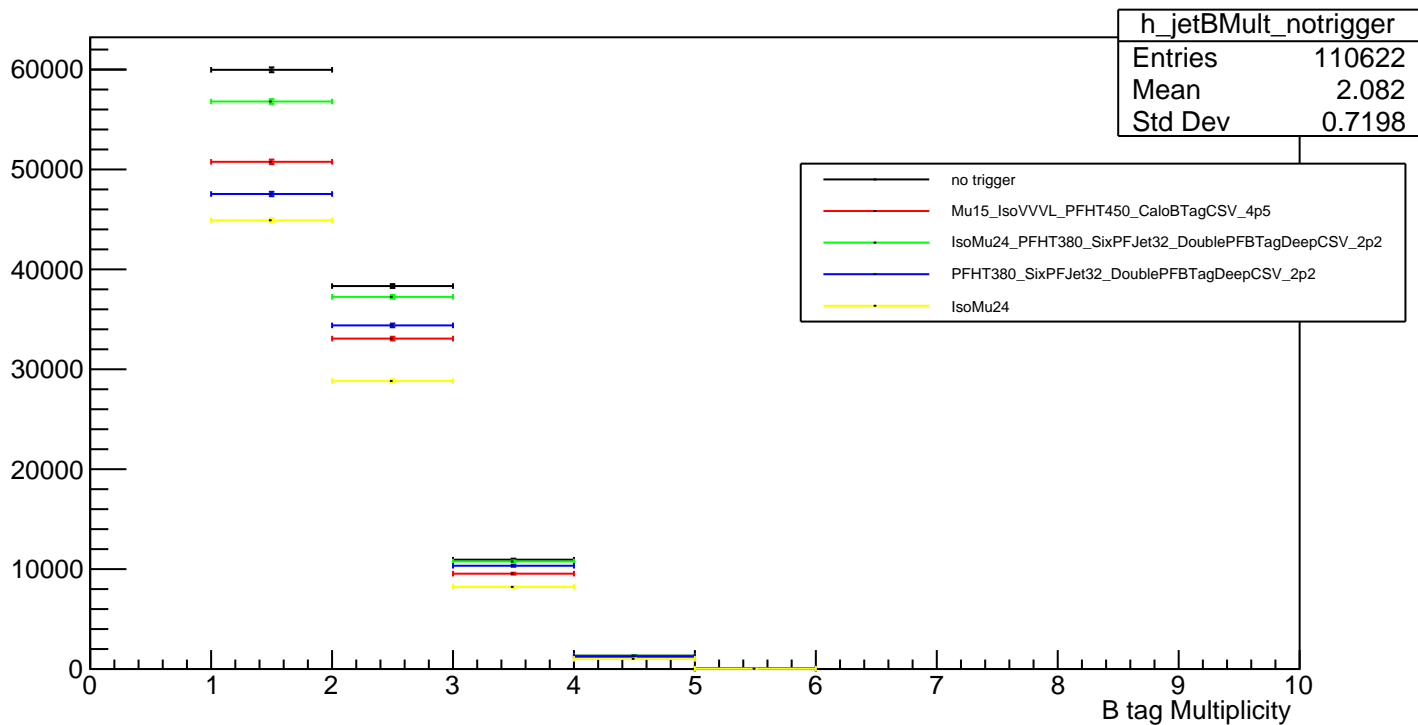


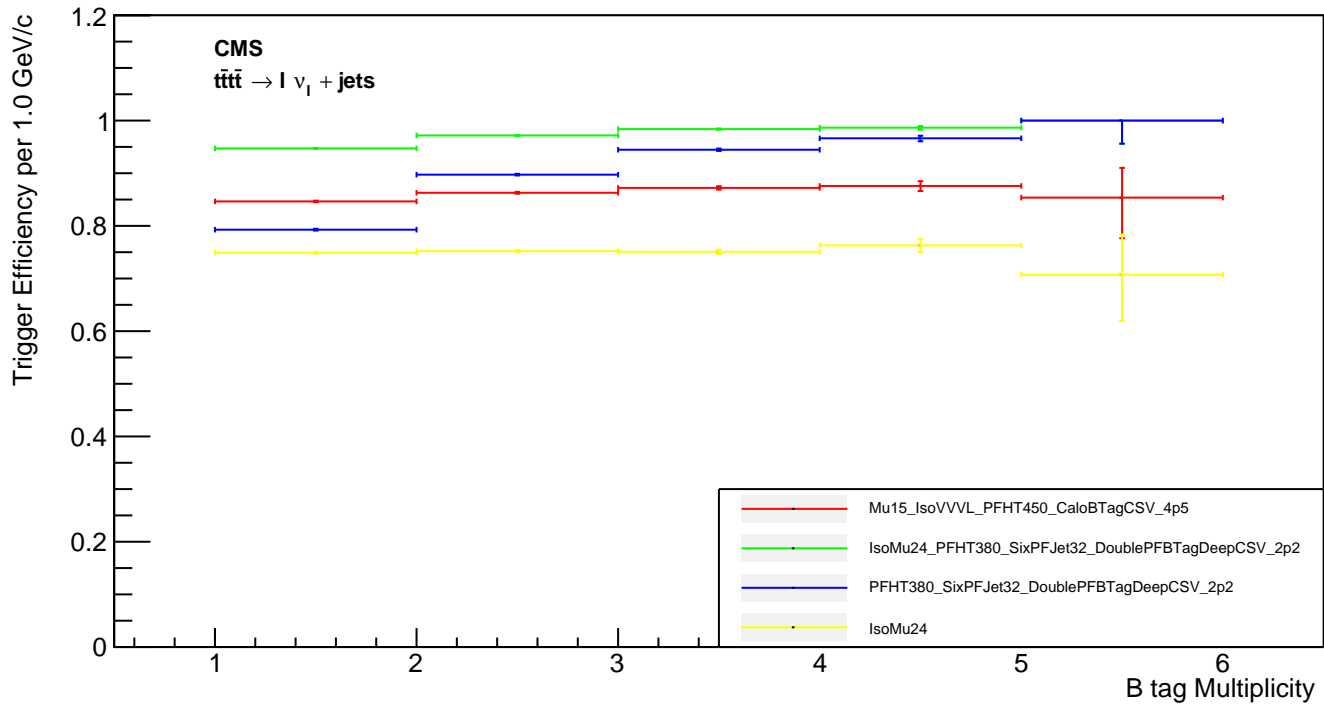
Number of Events per Number of Jets

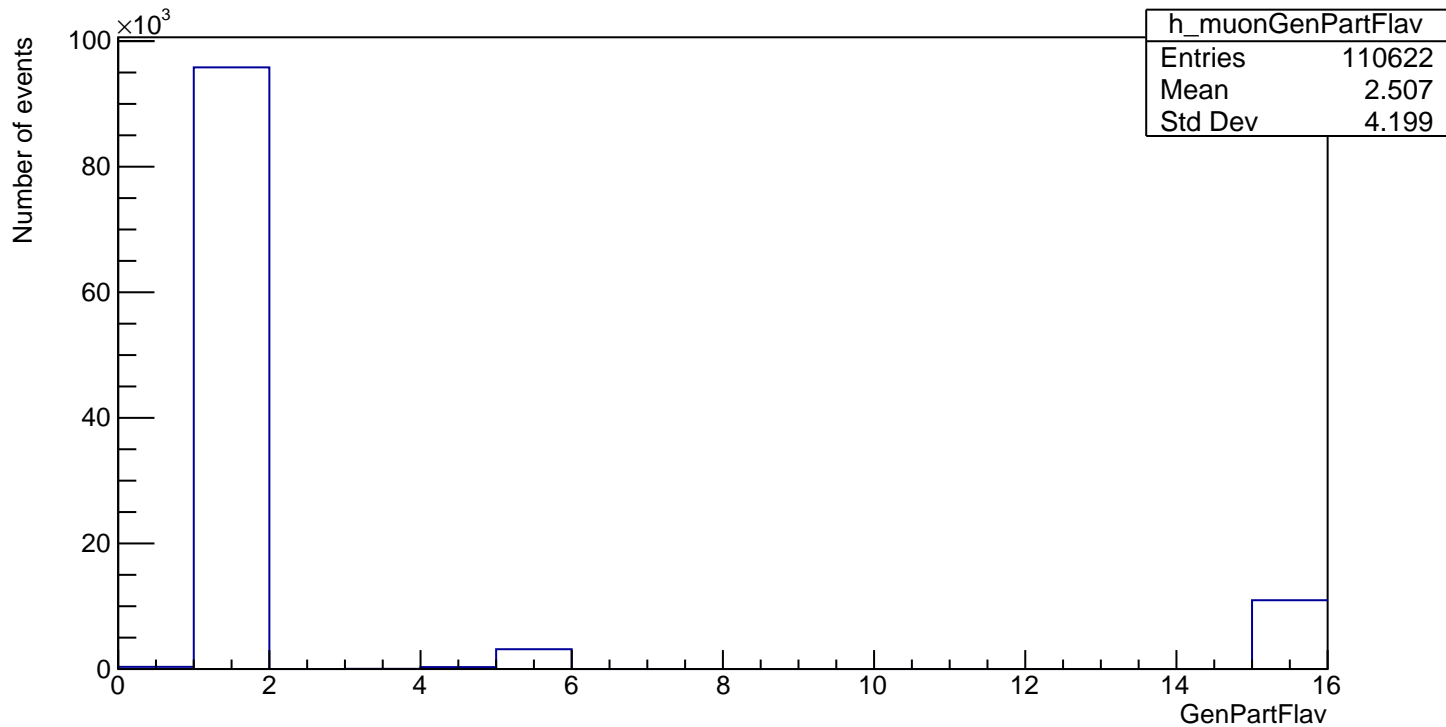




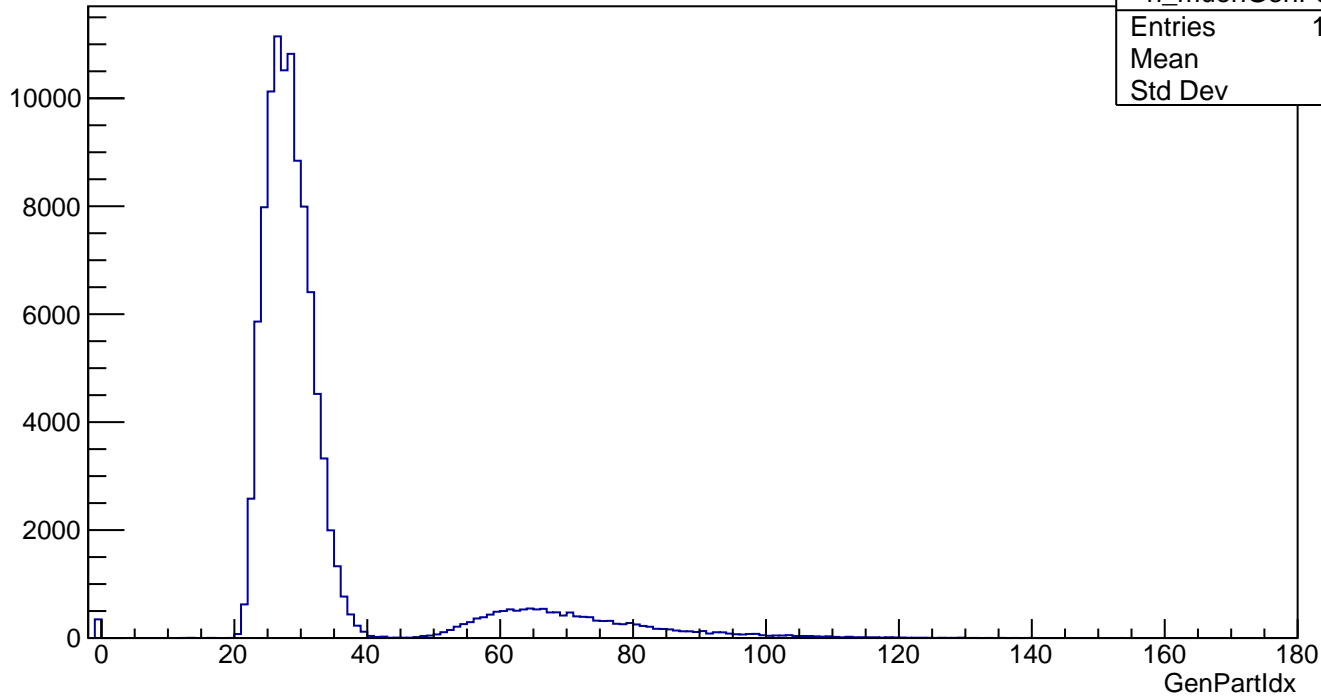
Number of Events per Number of Jets

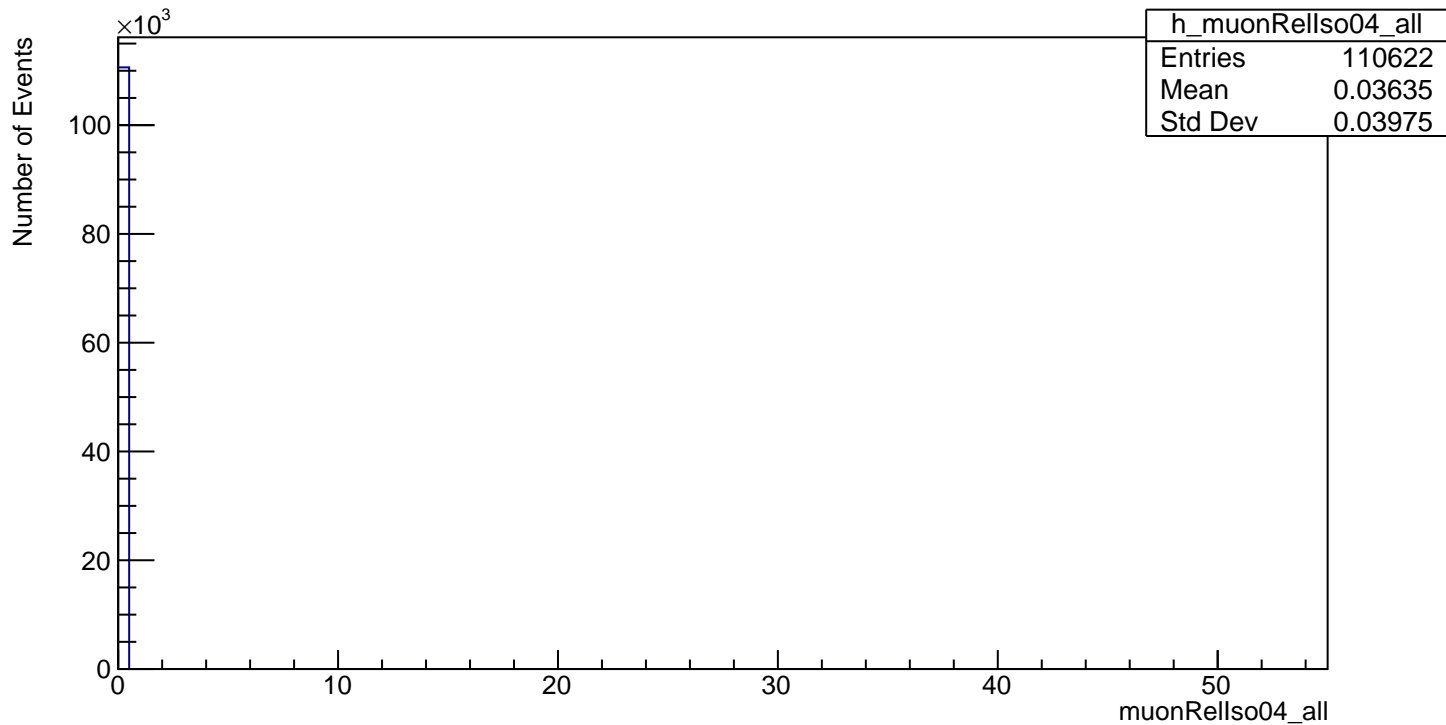




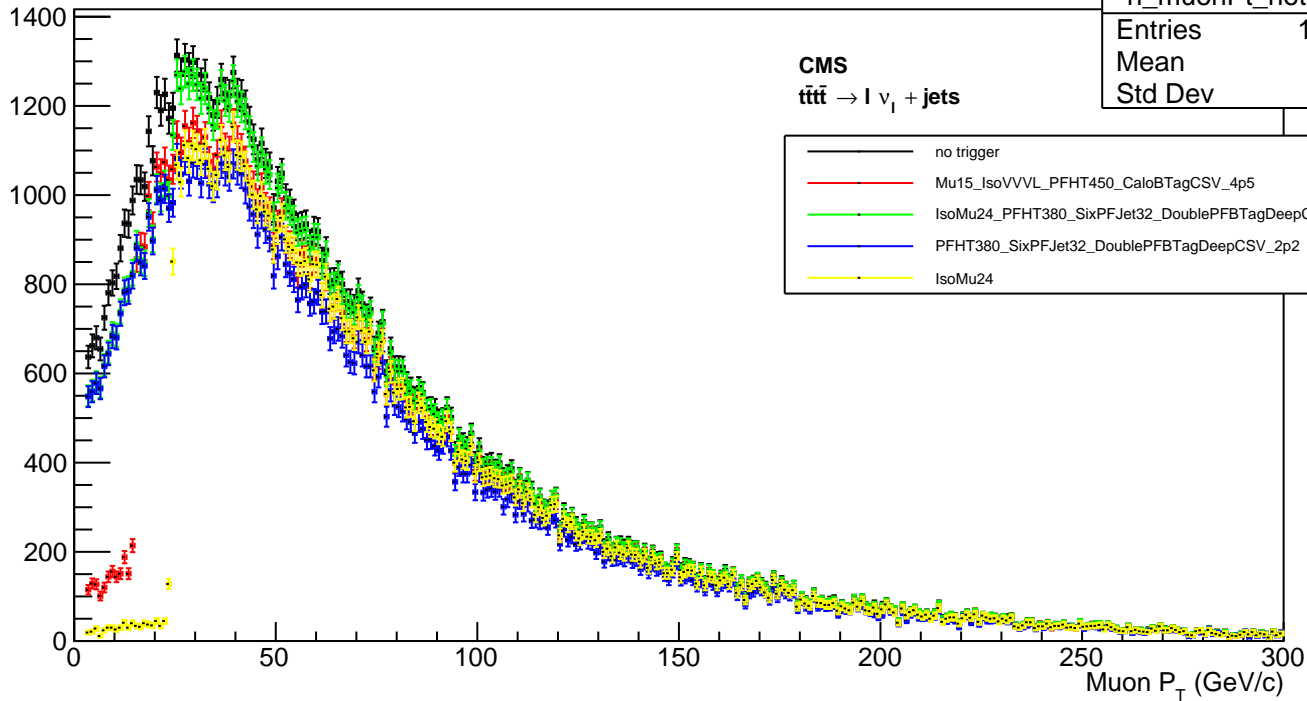


Number of events





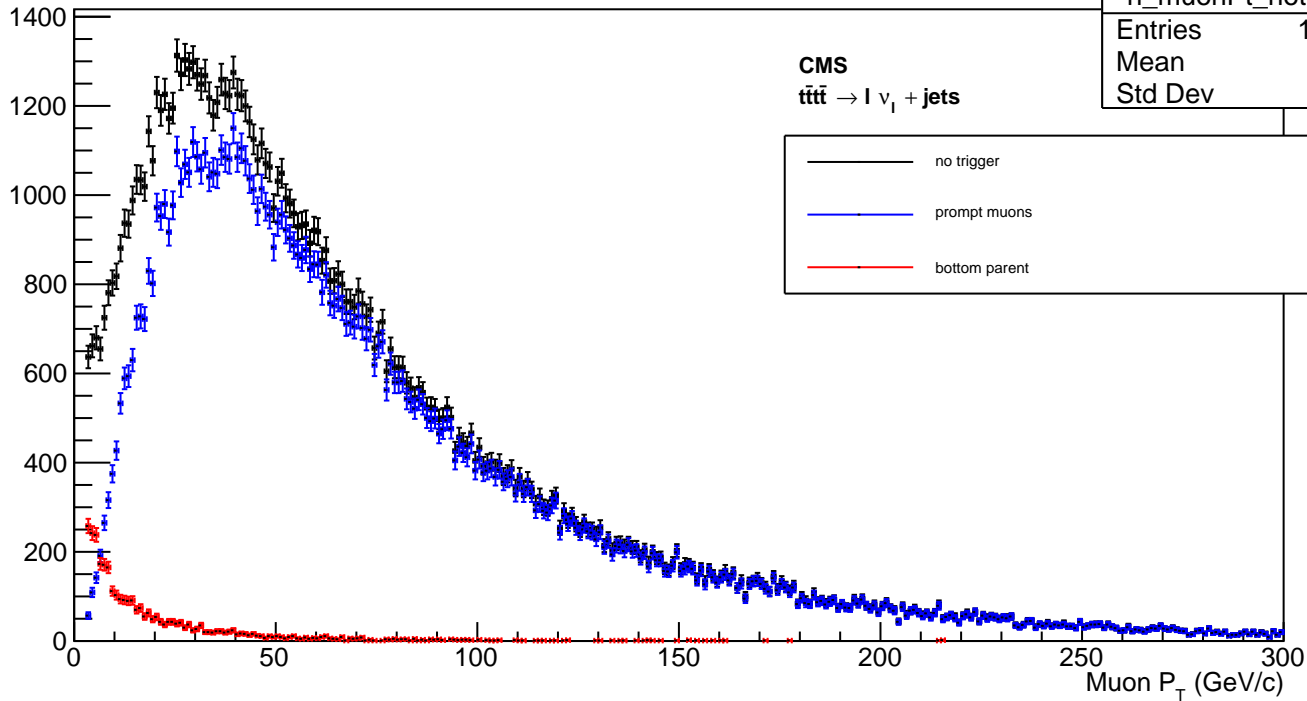
Number of Events per 1 GeV/c



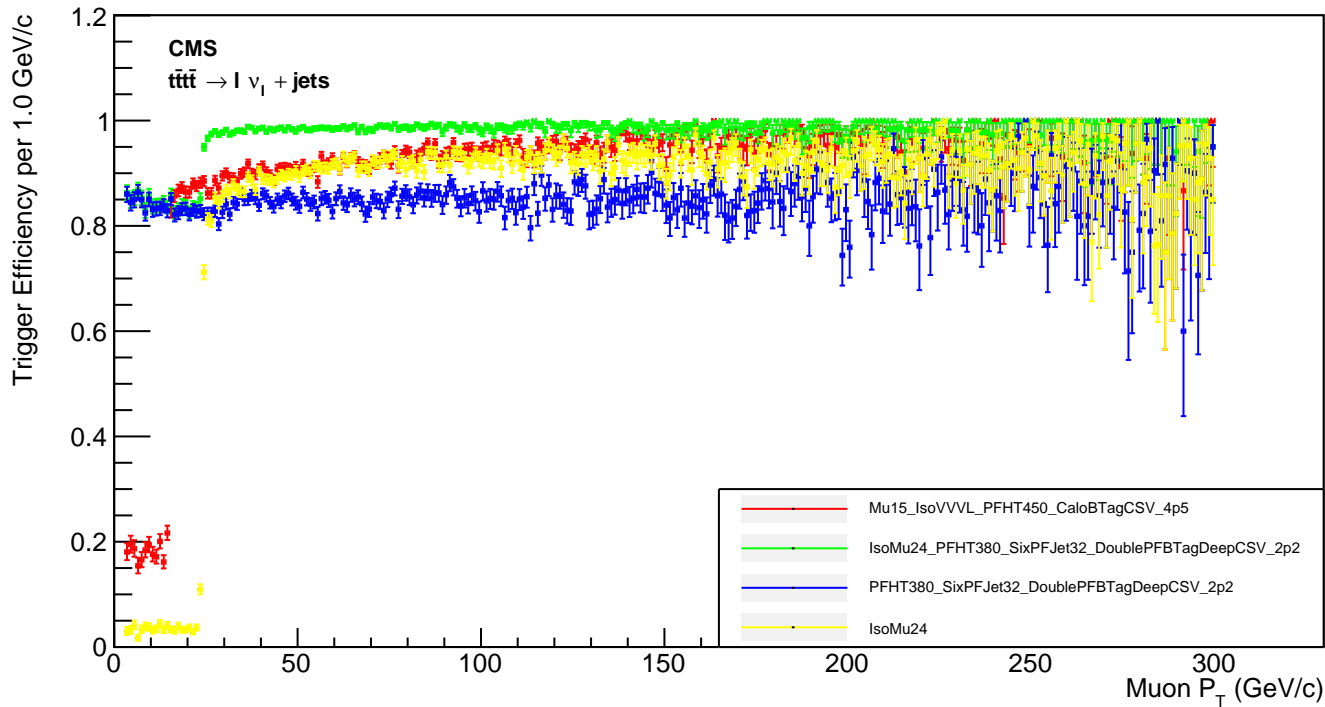
h_muonPt_notrigger

| | |
|---------|--------|
| Entries | 110622 |
| Mean | 68.62 |
| Std Dev | 53.53 |

Number of Events per 1 GeV/c



| h_muonPt_notrigger | |
|--------------------|--------|
| Entries | 110622 |
| Mean | 68.62 |
| Std Dev | 53.53 |



Number of Events per 1 GeV/c

CMS

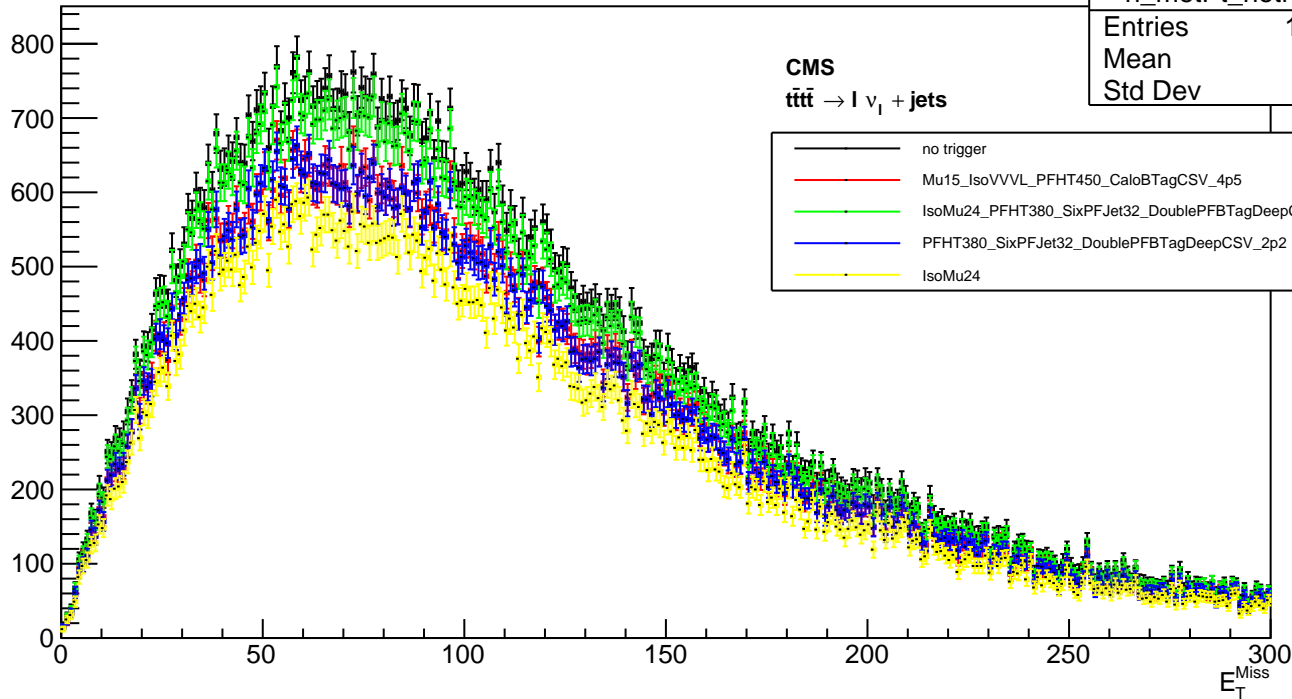
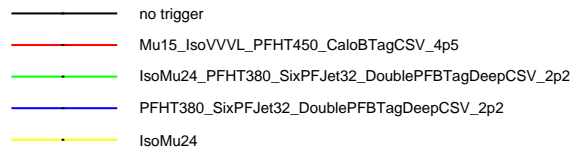
$t\bar{t}t\bar{t} \rightarrow l \nu_l + \text{jets}$

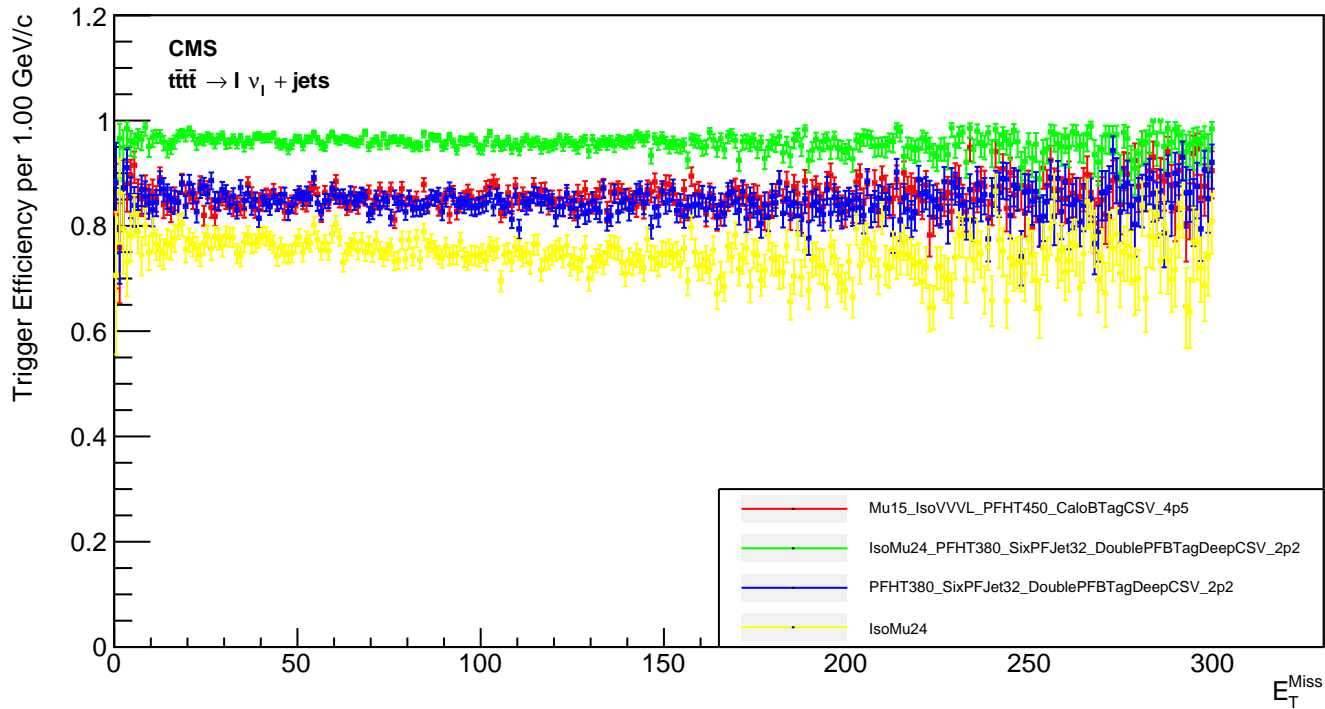
h_metPt_notrigger

Entries 110622

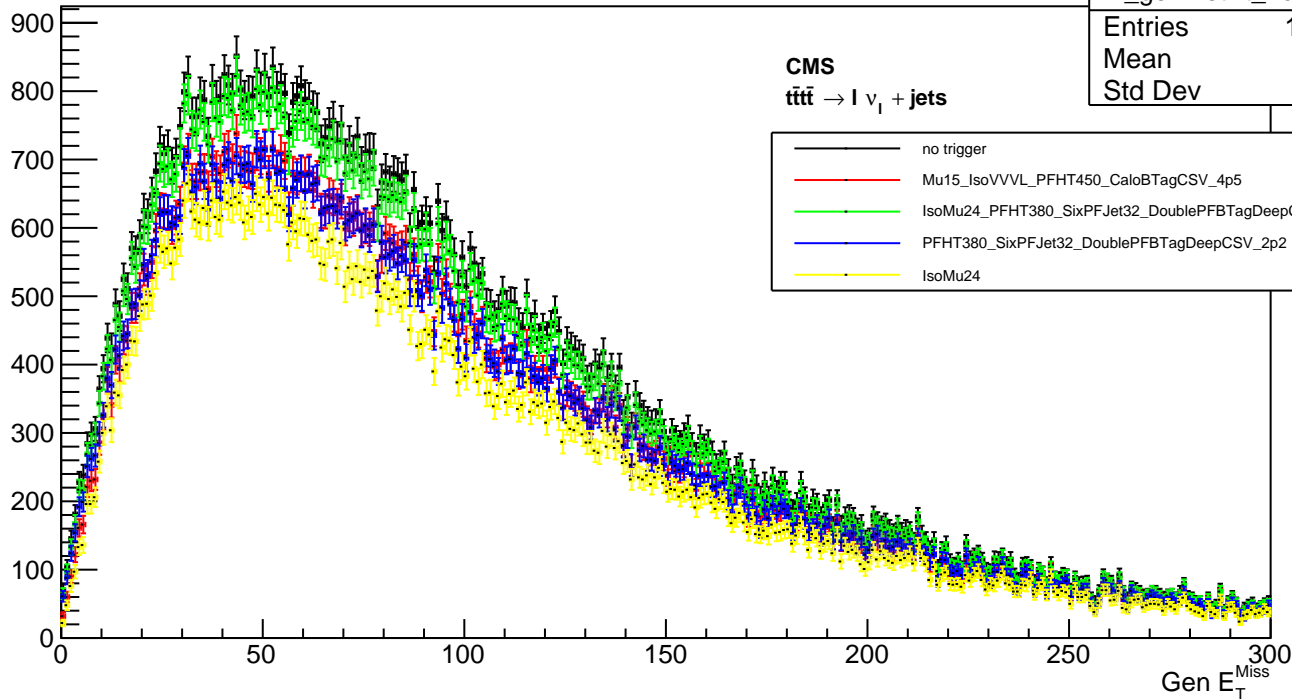
Mean 107.3

Std Dev 64.66



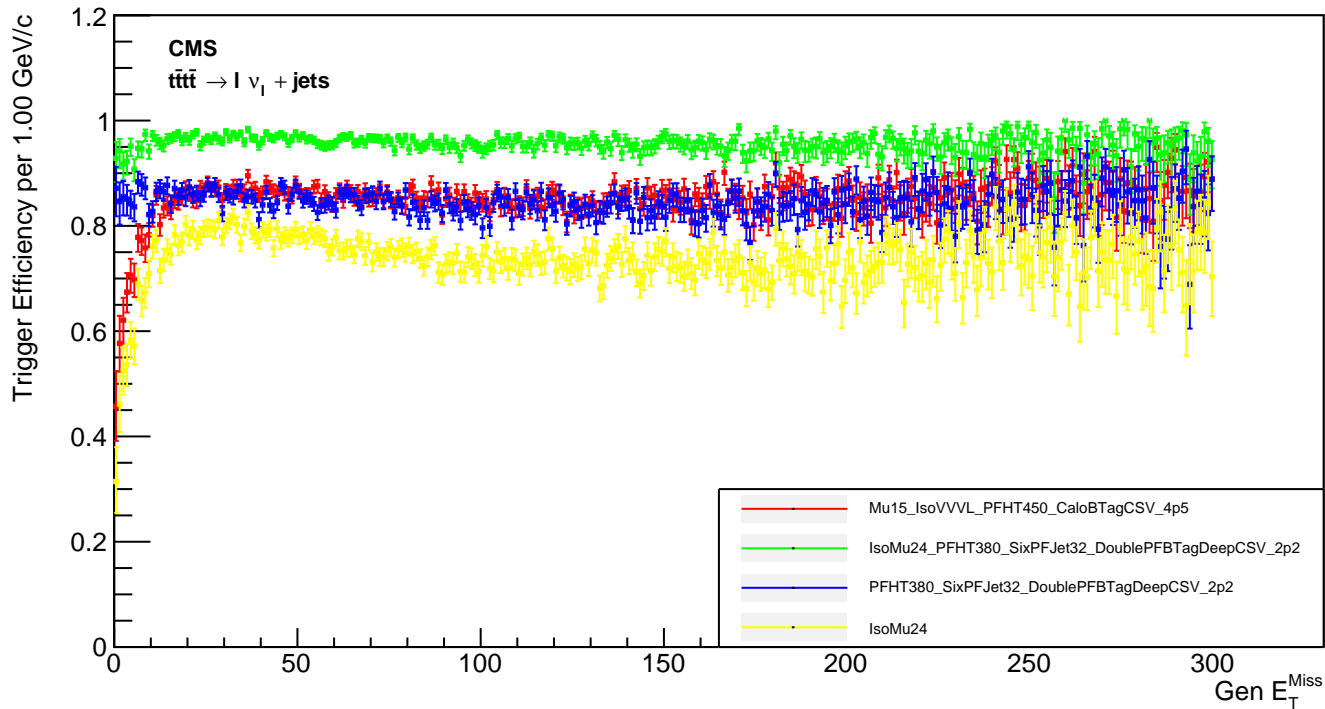


Number of Events per 1GeV/c

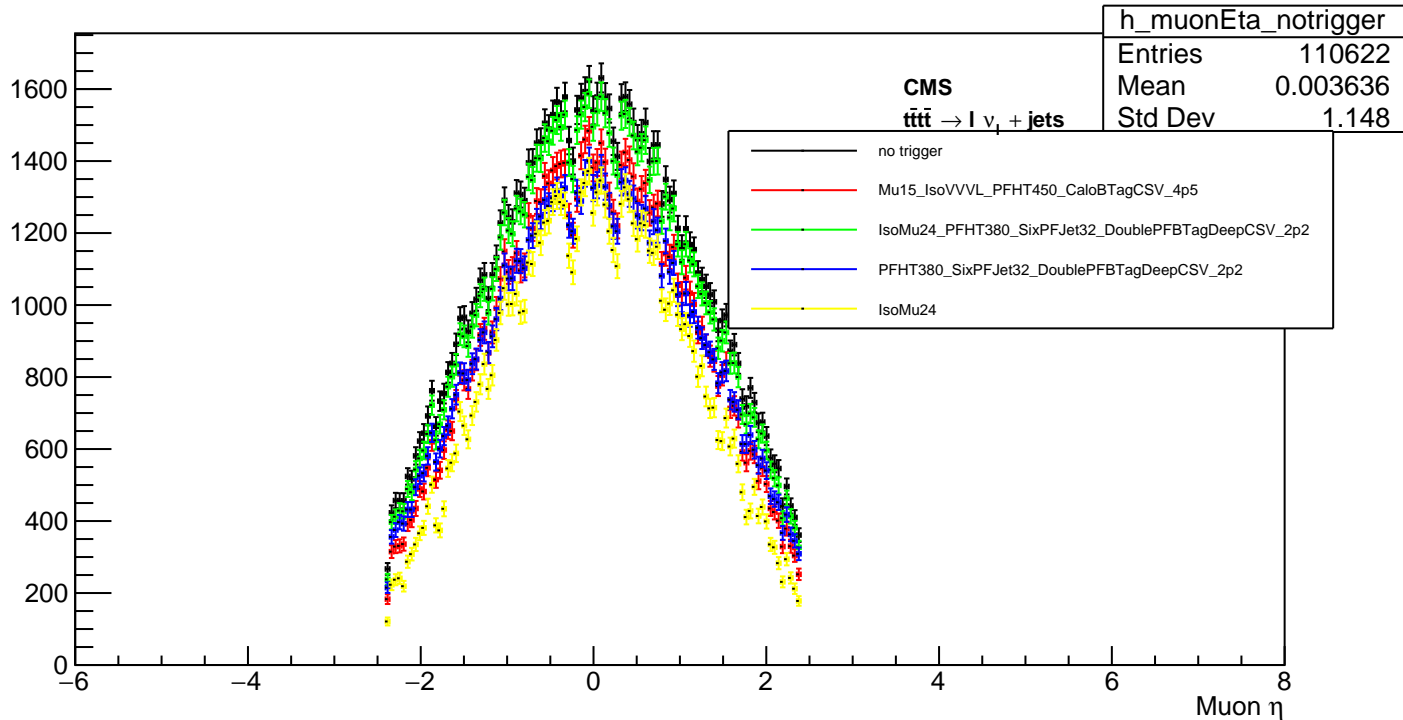


h_genMetPt_notrigger

| | |
|---------|--------|
| Entries | 110622 |
| Mean | 96.05 |
| Std Dev | 64.66 |



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



Trigger Efficiency per 0.0466666666667 GeV/c

