

On-line (pre-)selection Requisites for:

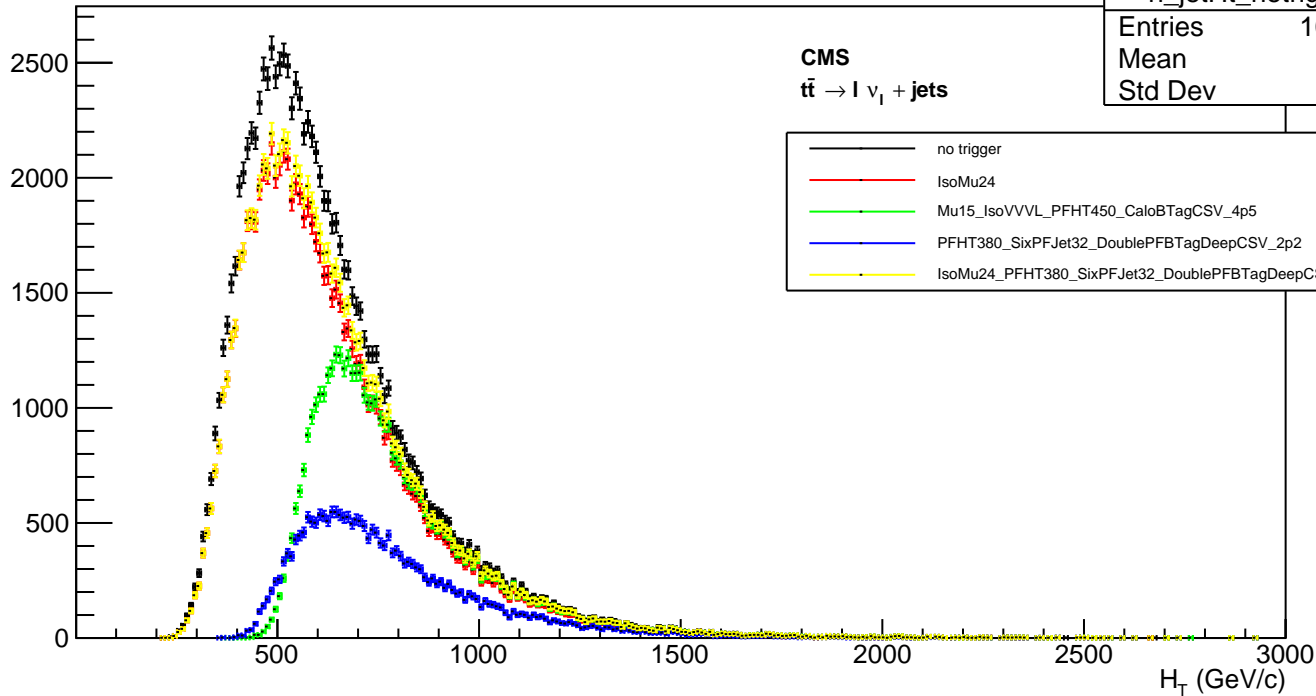
- **Jets:** number > 5
- **Muons:** number > 0
- **Electrons:** number > 0

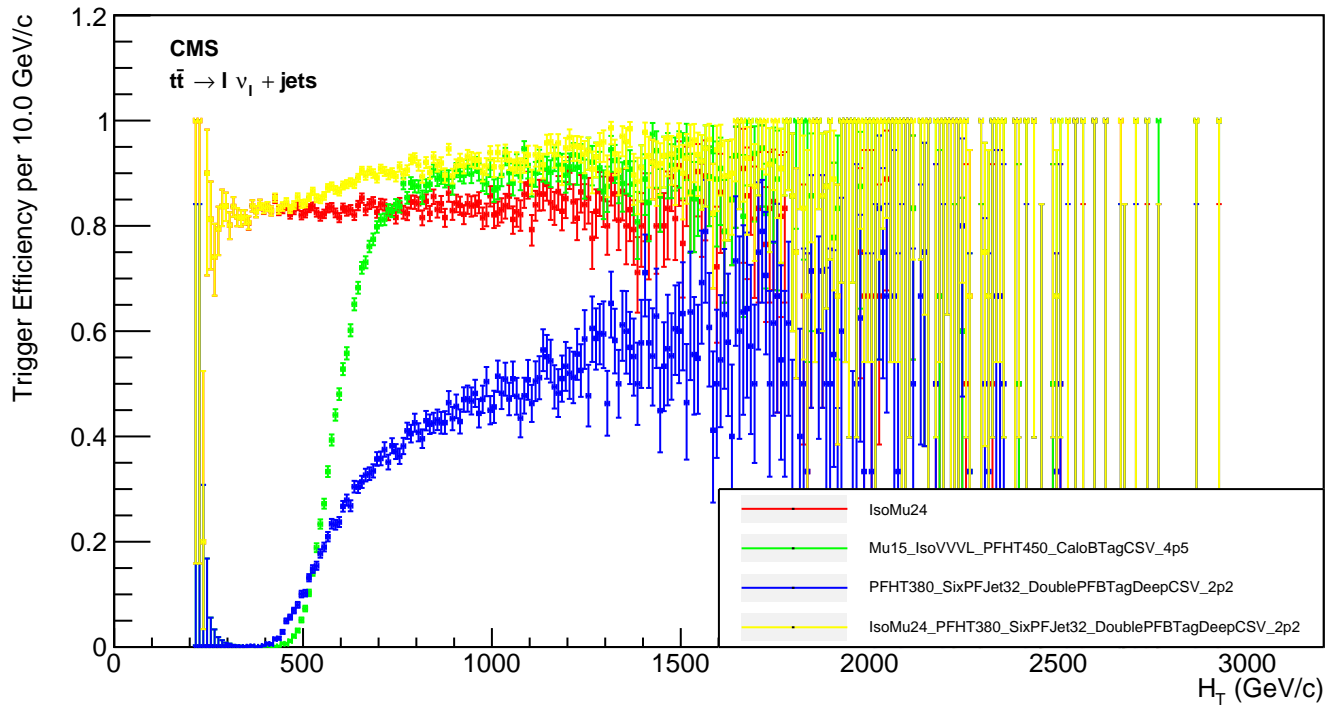
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

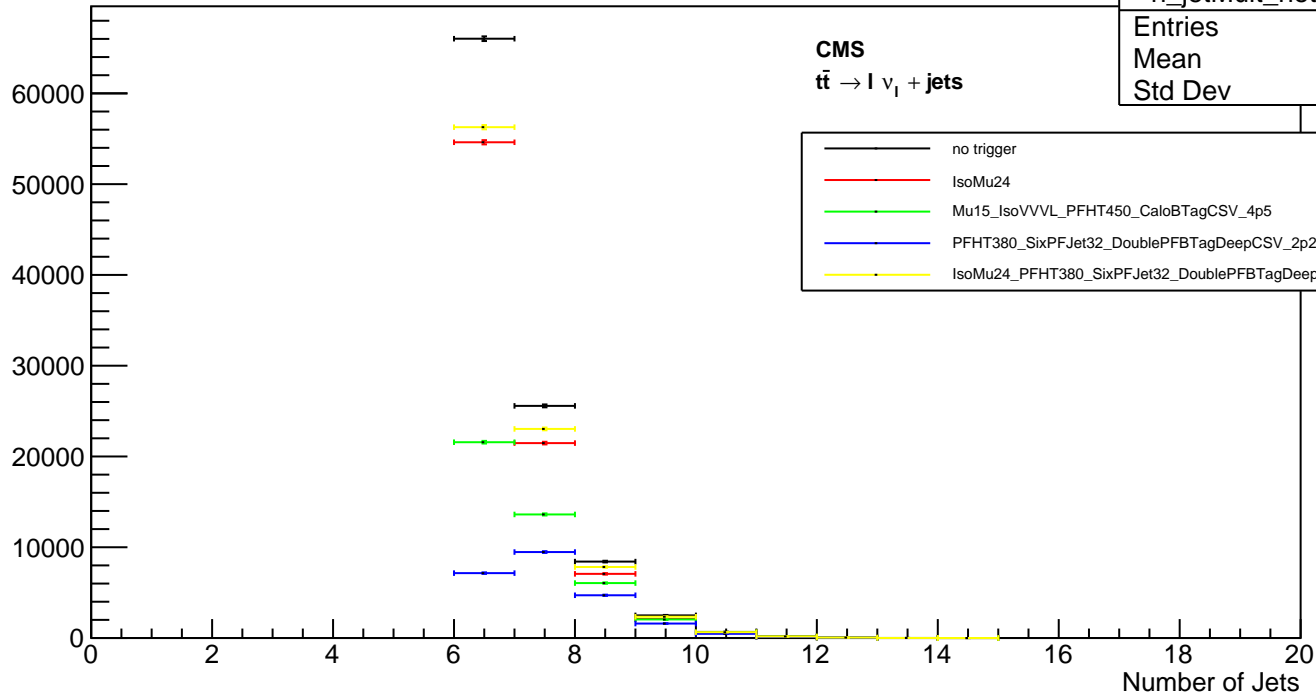
- **Jets:** $\text{jetId} > 2$, $p_T > 30$ and $|\eta| < 2.4$ (for at least 6)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

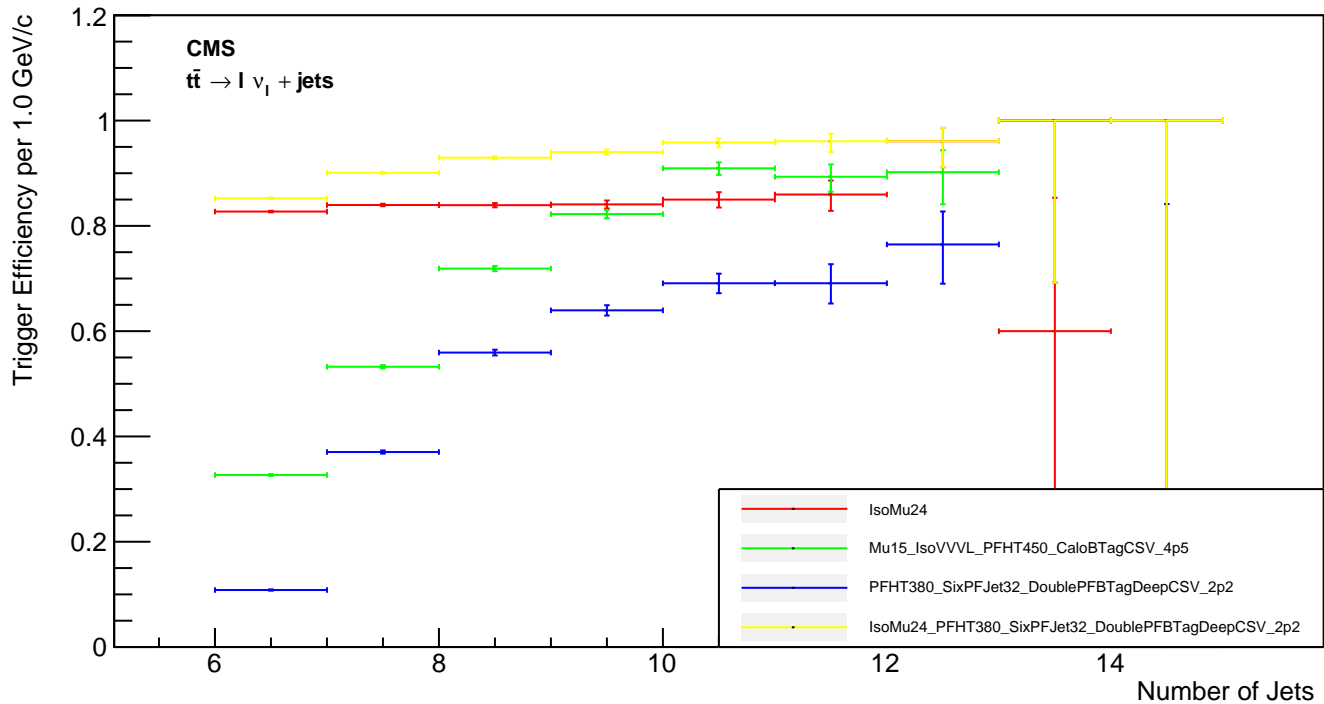
Number of Events per 10 GeV/c



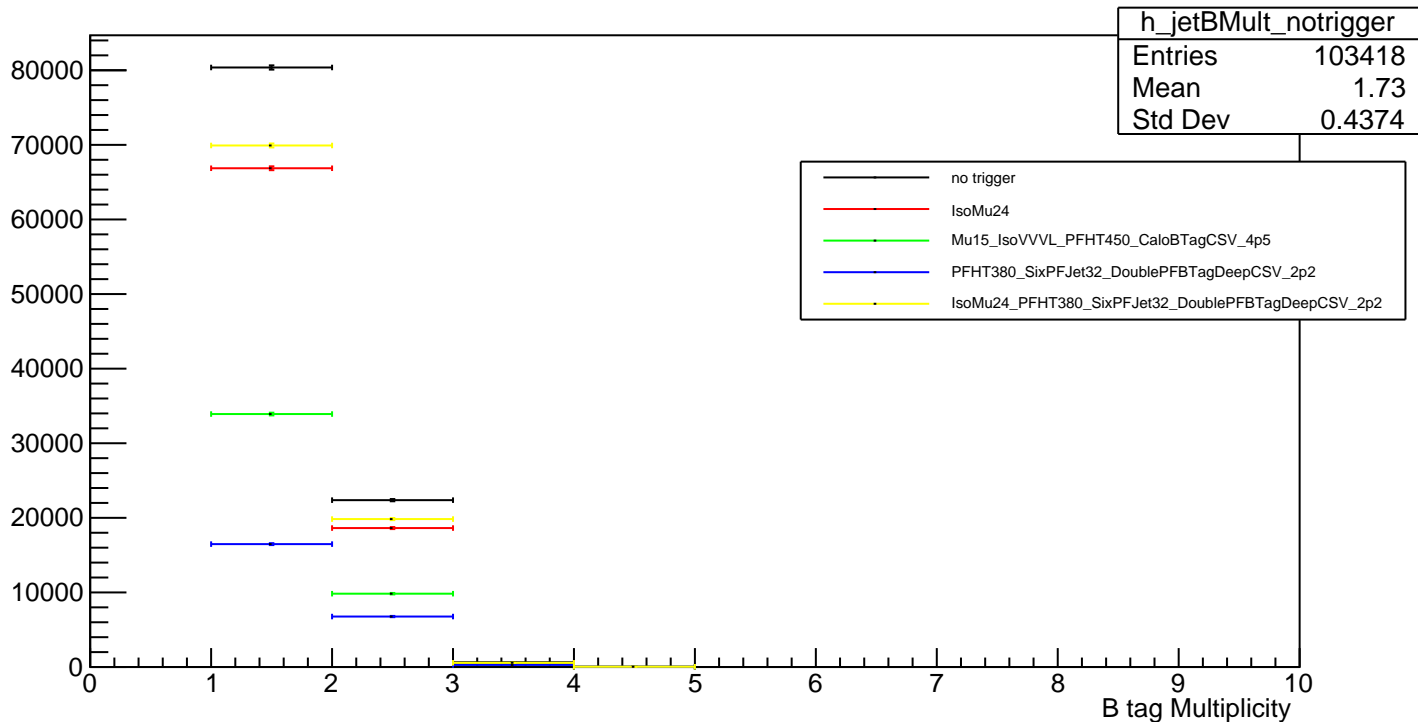


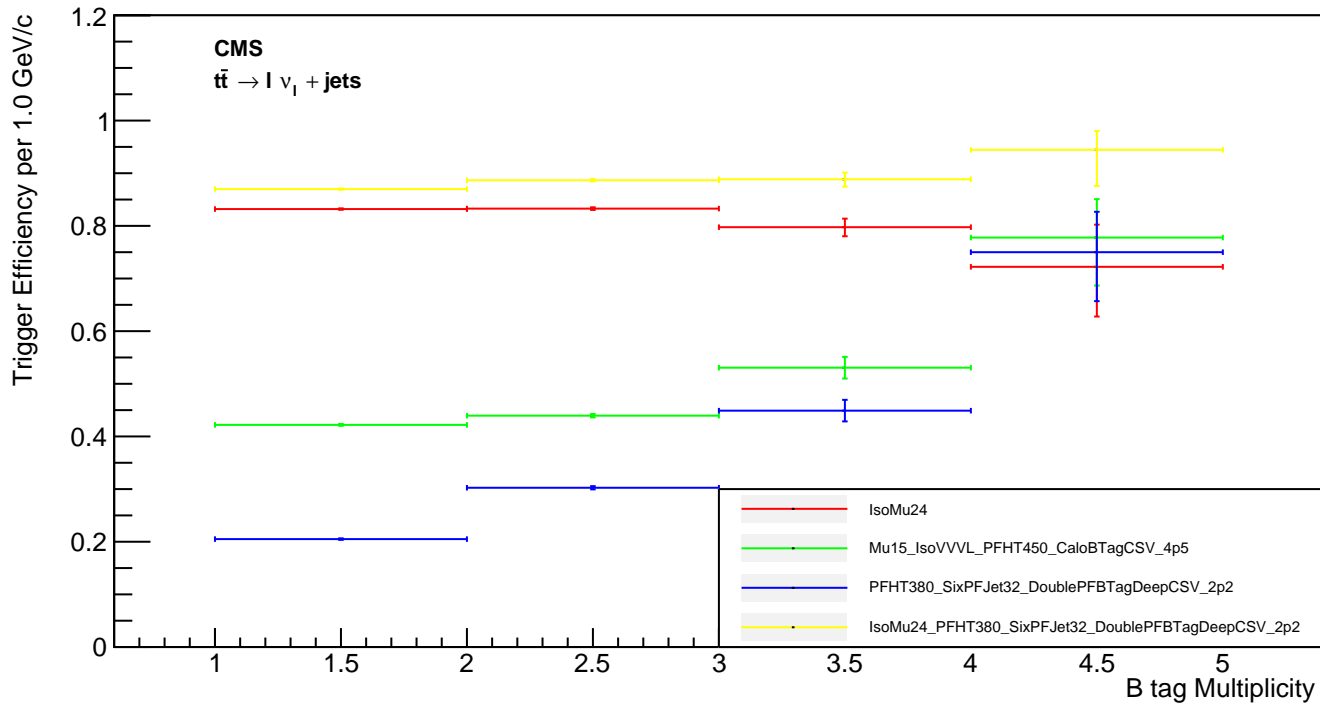
Number of Events per Number of Jets



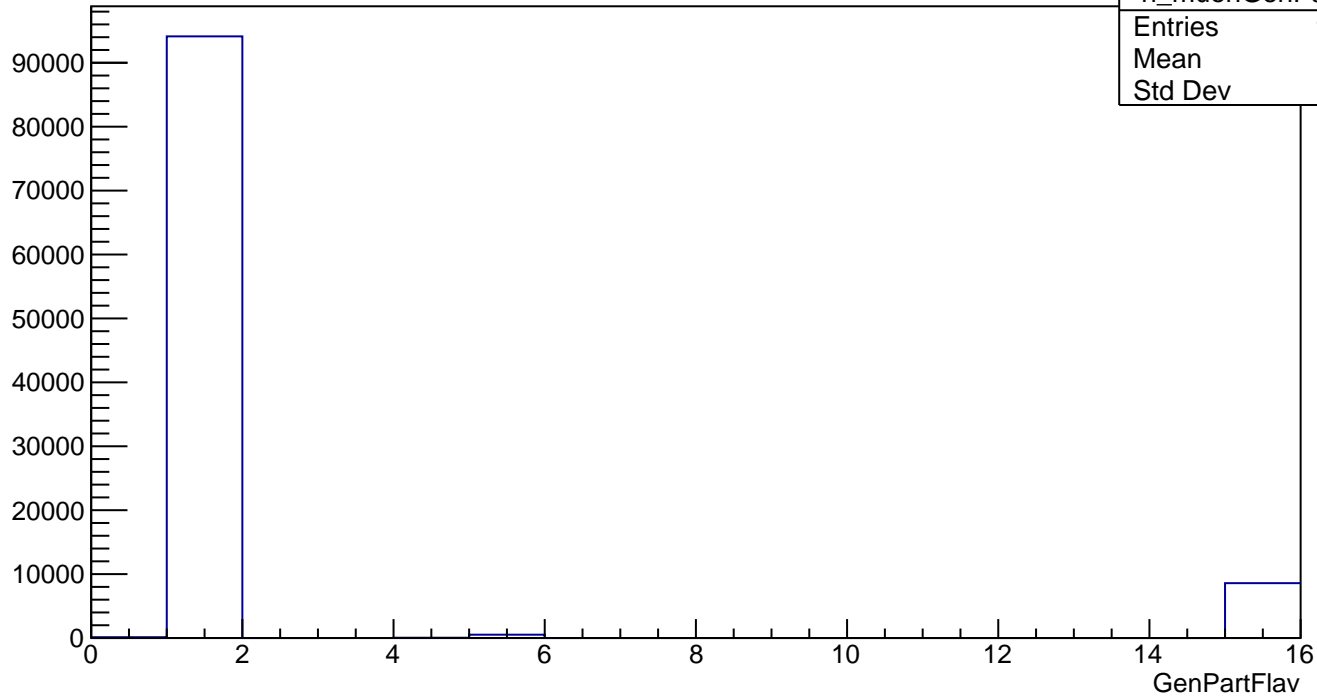


Number of Events per Number of Jets



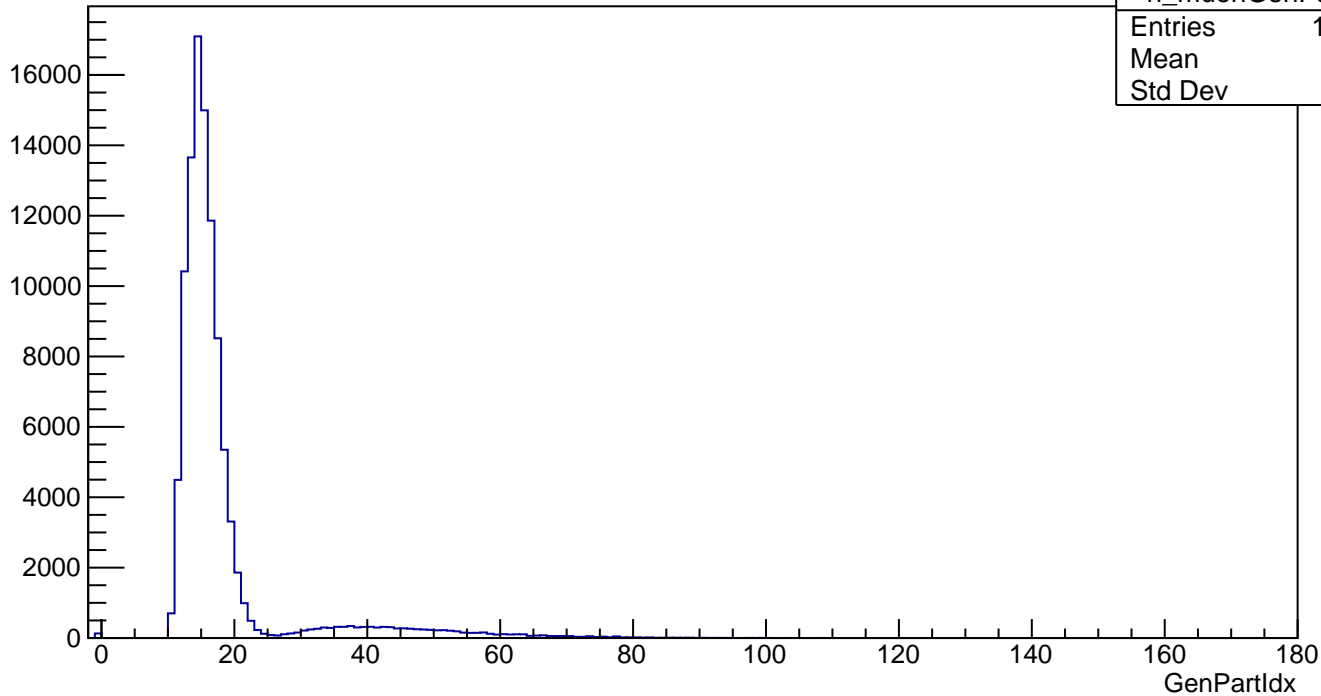


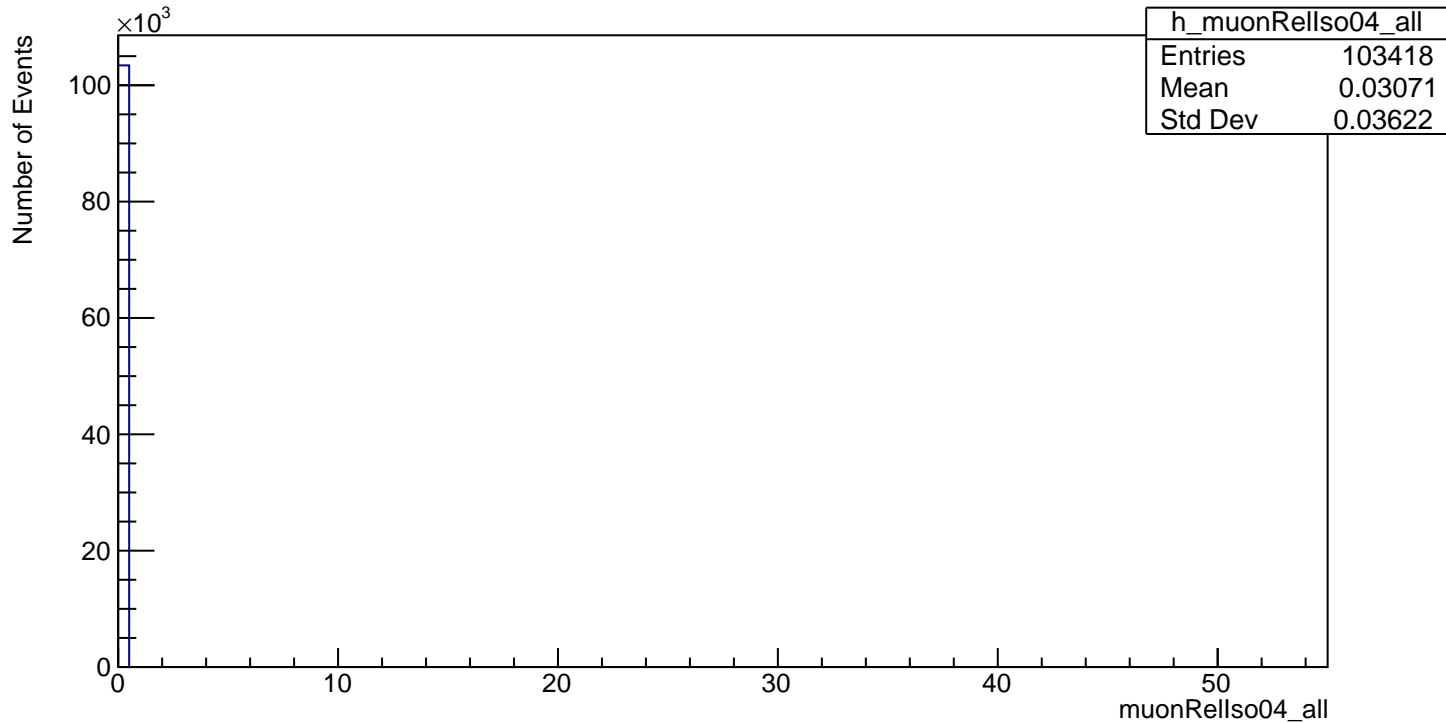
Number of events



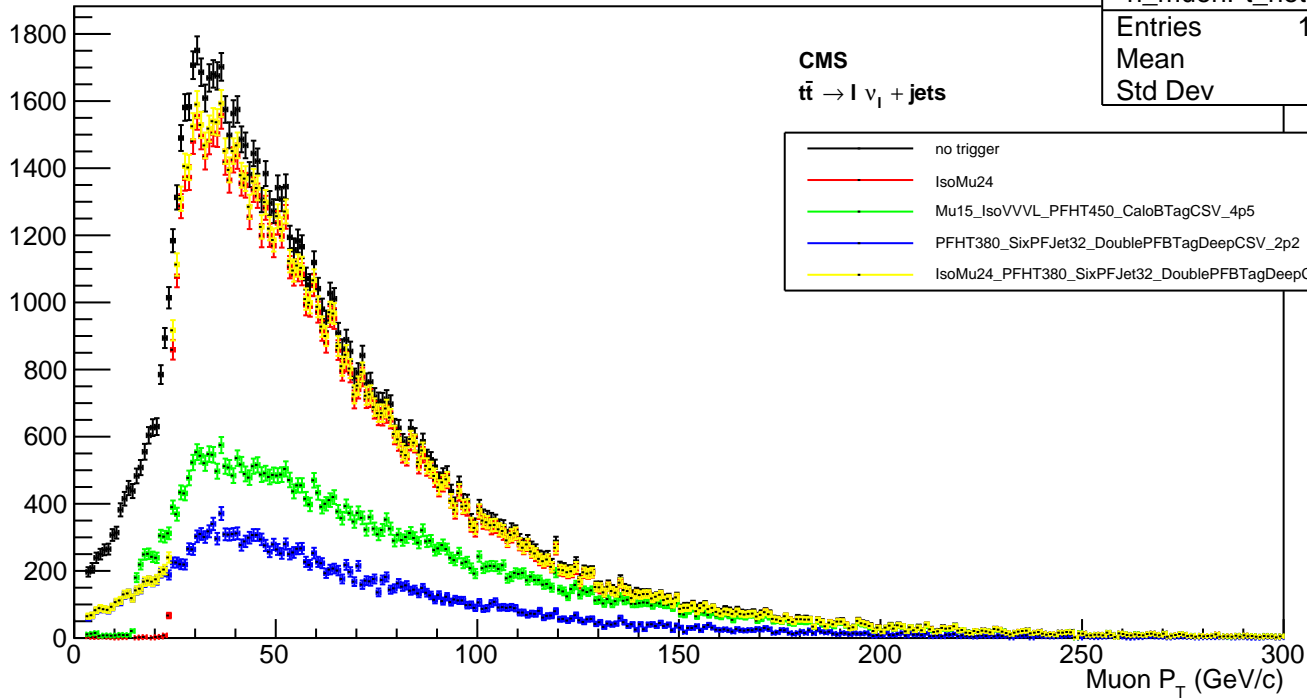
| h_muonGenPartFlav | |
|-------------------|--------|
| Entries | 103418 |
| Mean | 2.183 |
| Std Dev | 3.868 |

Number of events



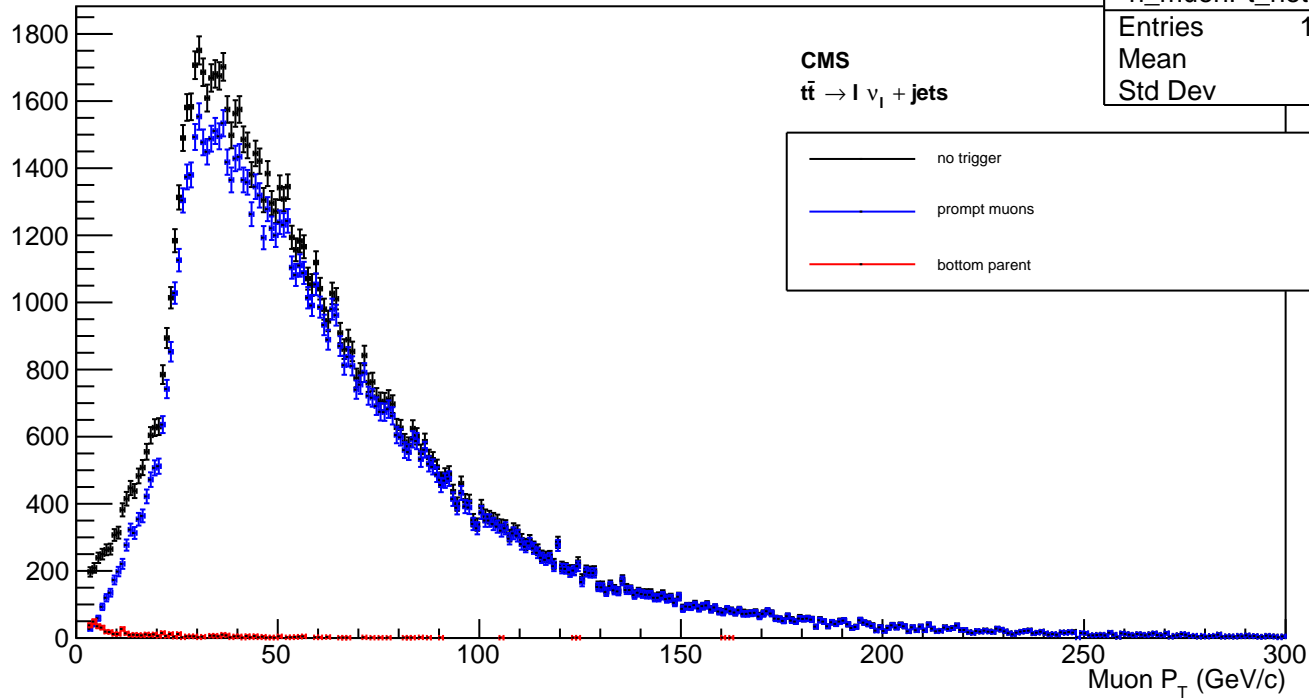


Number of Events per 1 GeV/c

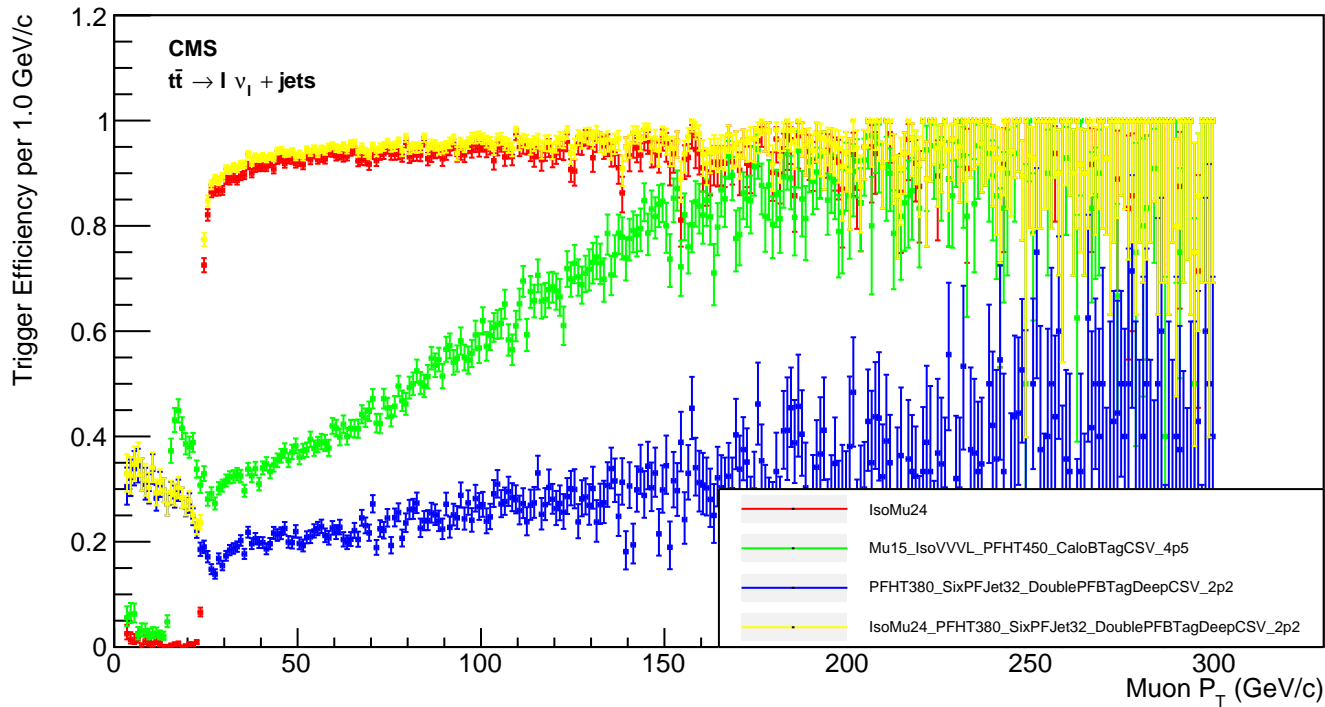


| h_muonPt_notrigger | |
|--------------------|--------|
| Entries | 103418 |
| Mean | 62.86 |
| Std Dev | 41.75 |

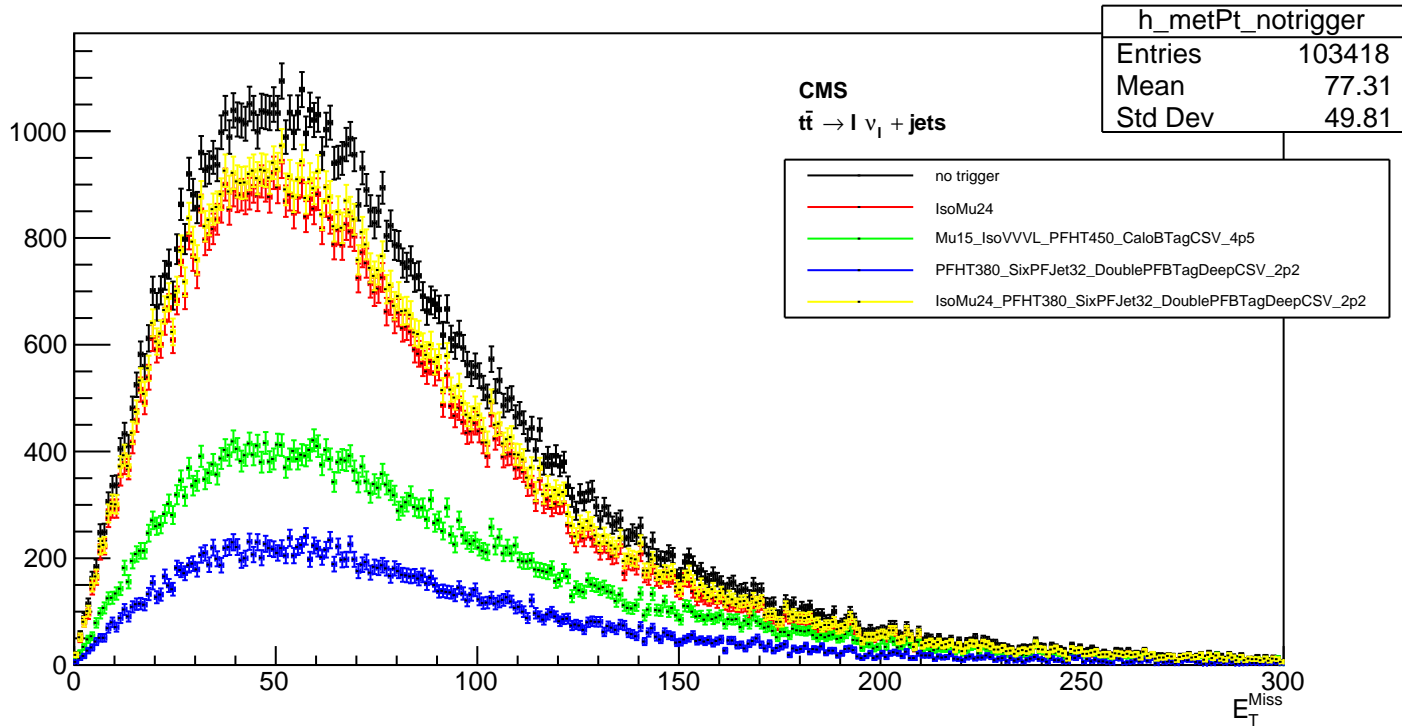
Number of Events per 1 GeV/c

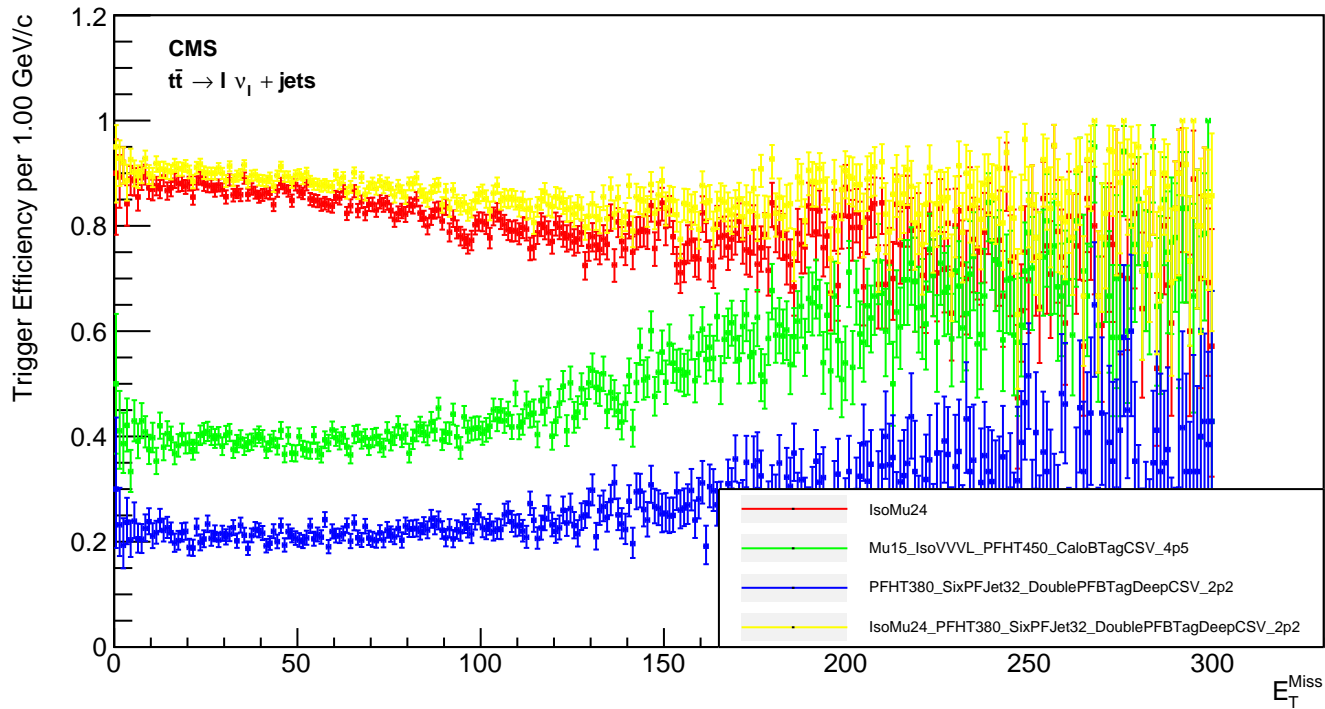


| h_muonPt_notrigger | |
|--------------------|--------|
| Entries | 103418 |
| Mean | 62.86 |
| Std Dev | 41.75 |

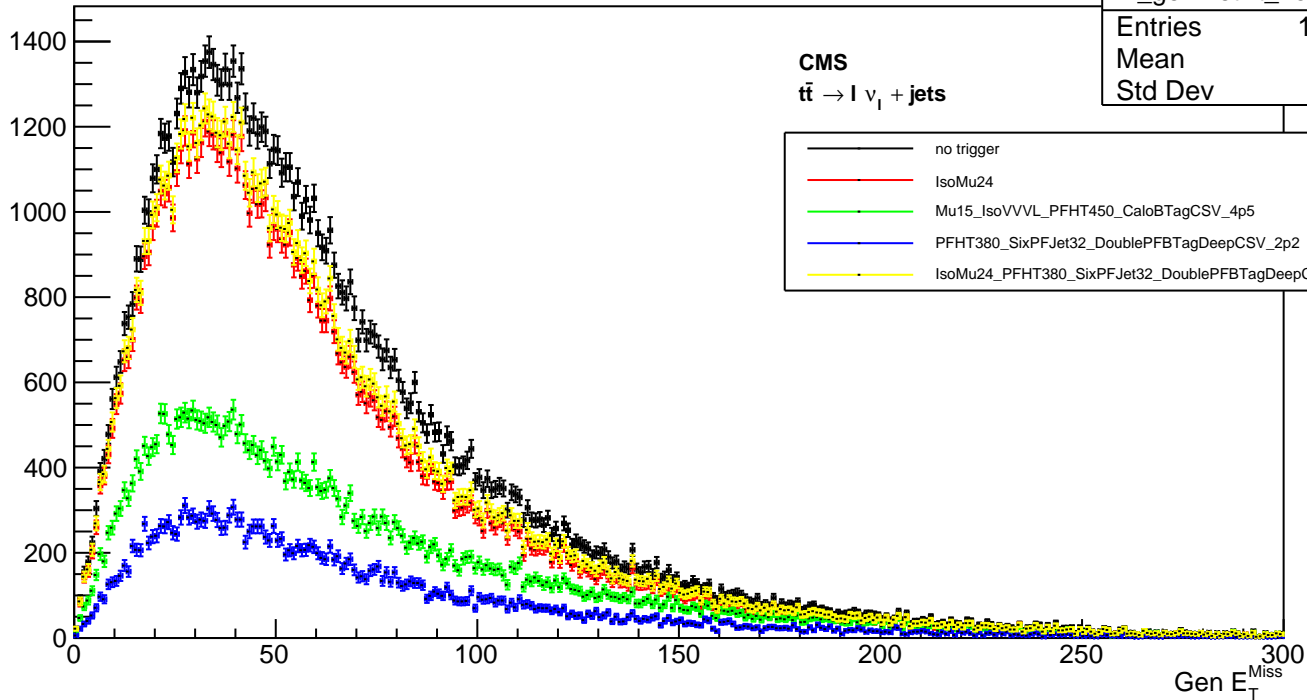


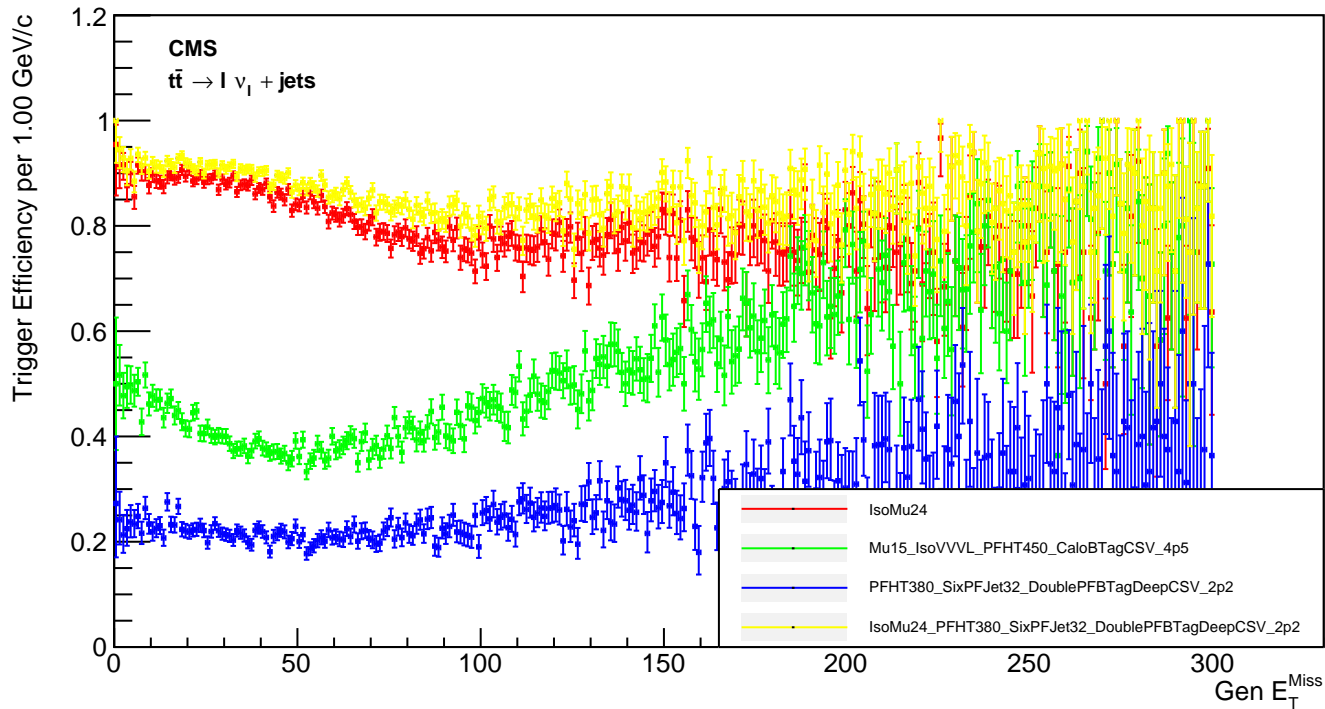
Number of Events per 1 GeV/c



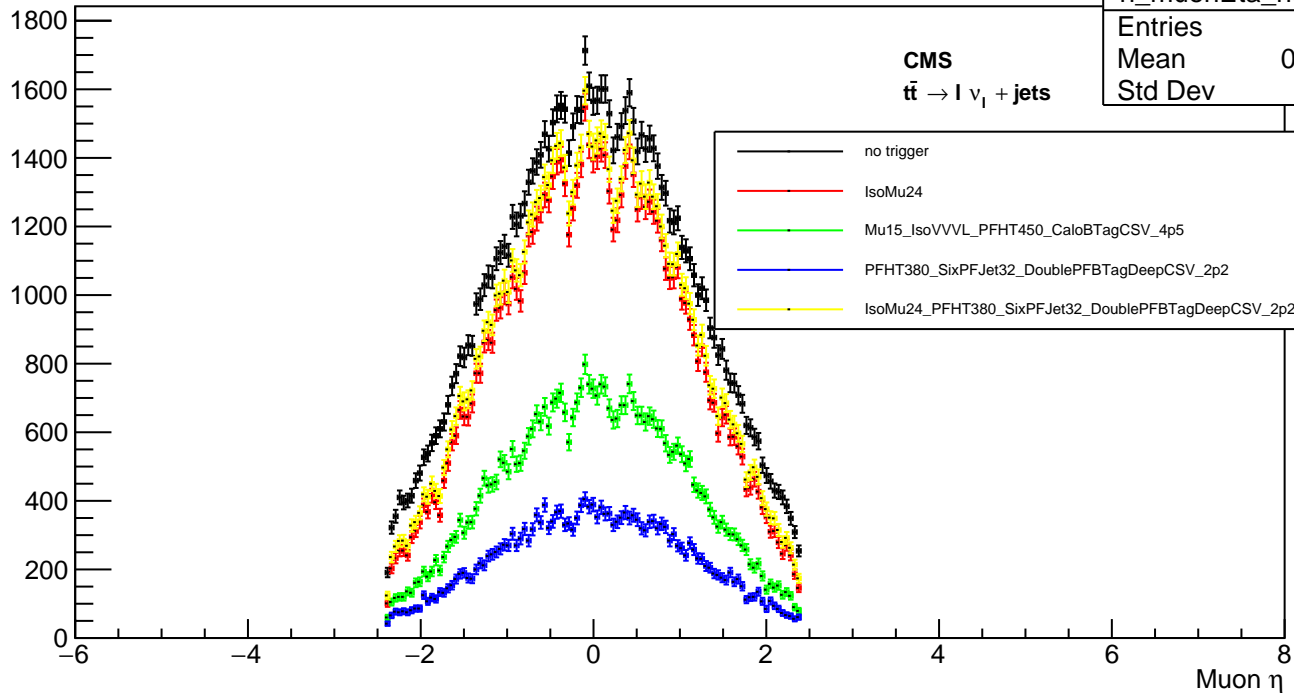


Number of Events per 1GeV/c



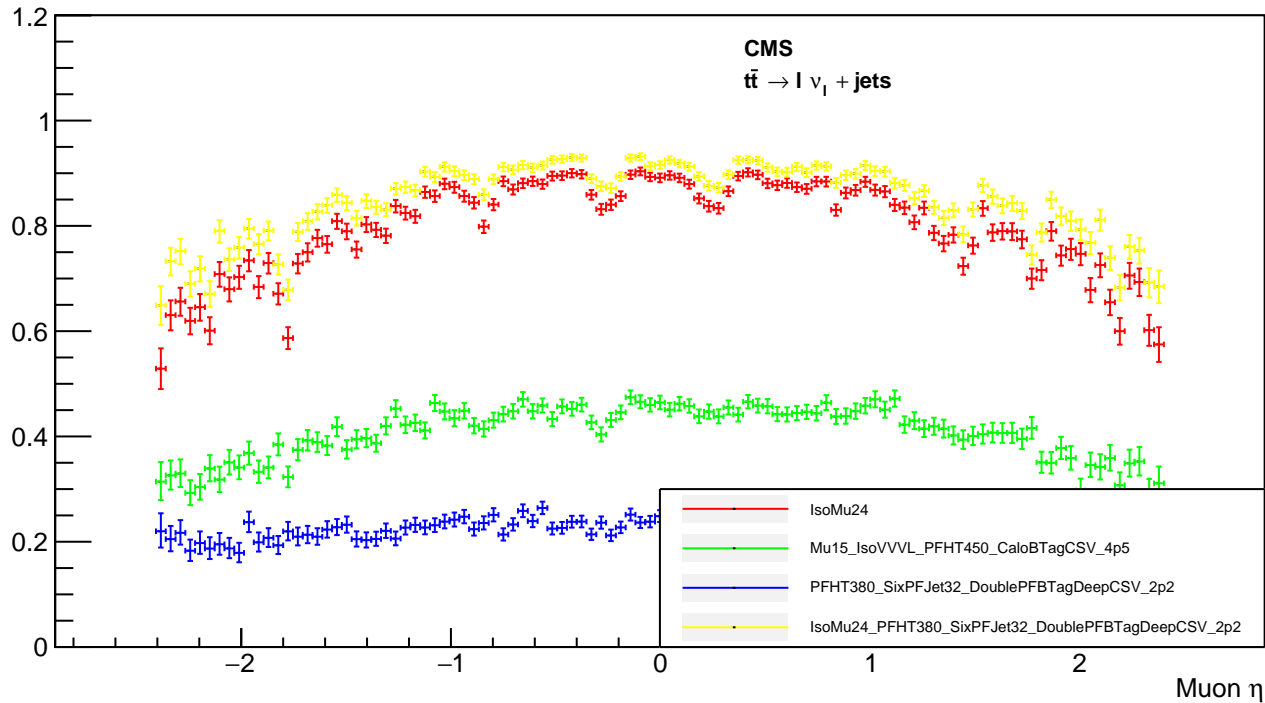


Number of Events per $\delta\eta = 0.046$

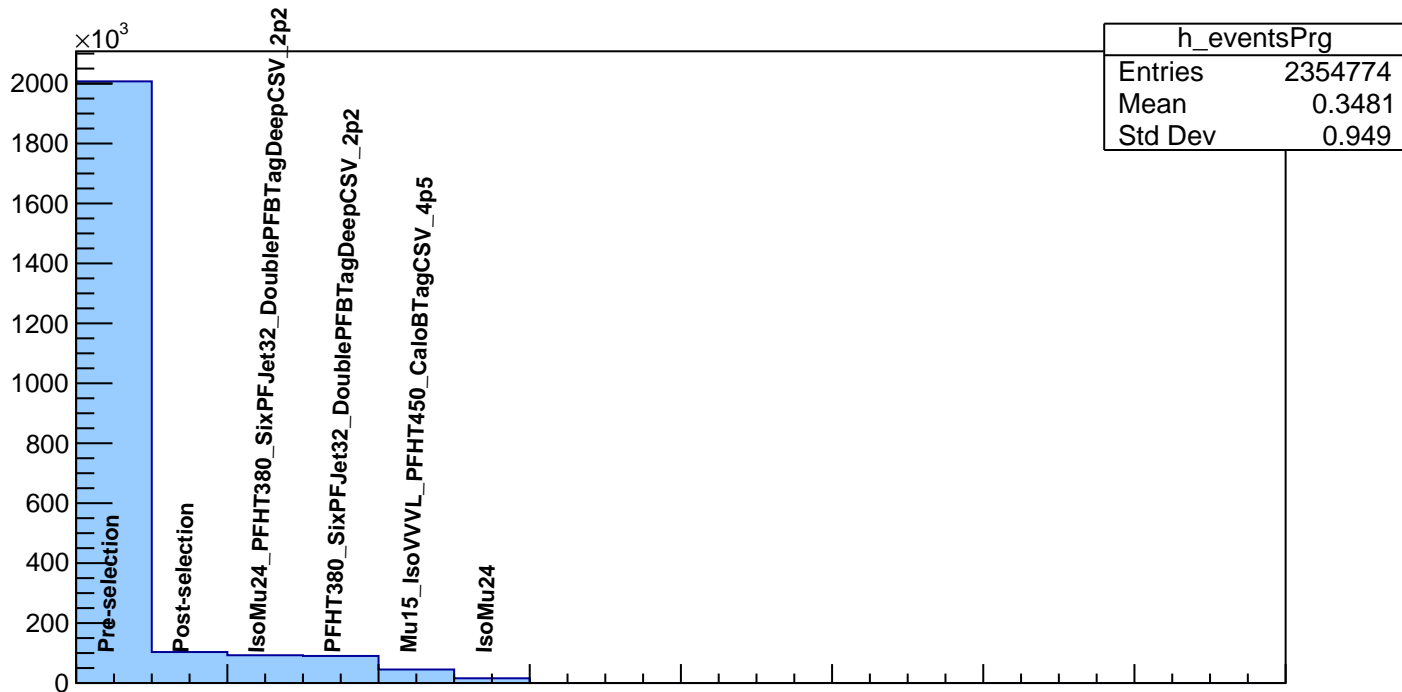


| h_muonEta_notrigger | |
|---------------------|----------|
| Entries | 103418 |
| Mean | 0.001301 |
| Std Dev | 1.101 |

Trigger Efficiency per $\delta\eta=0.04666666666666667$



Total Number of Accepted Events



Cuts and Triggers

| h_eventsPrg | |
|-------------|---------|
| Entries | 2354774 |
| Mean | 0.3481 |
| Std Dev | 0.949 |