

On-line (pre-)selection Requisites for:

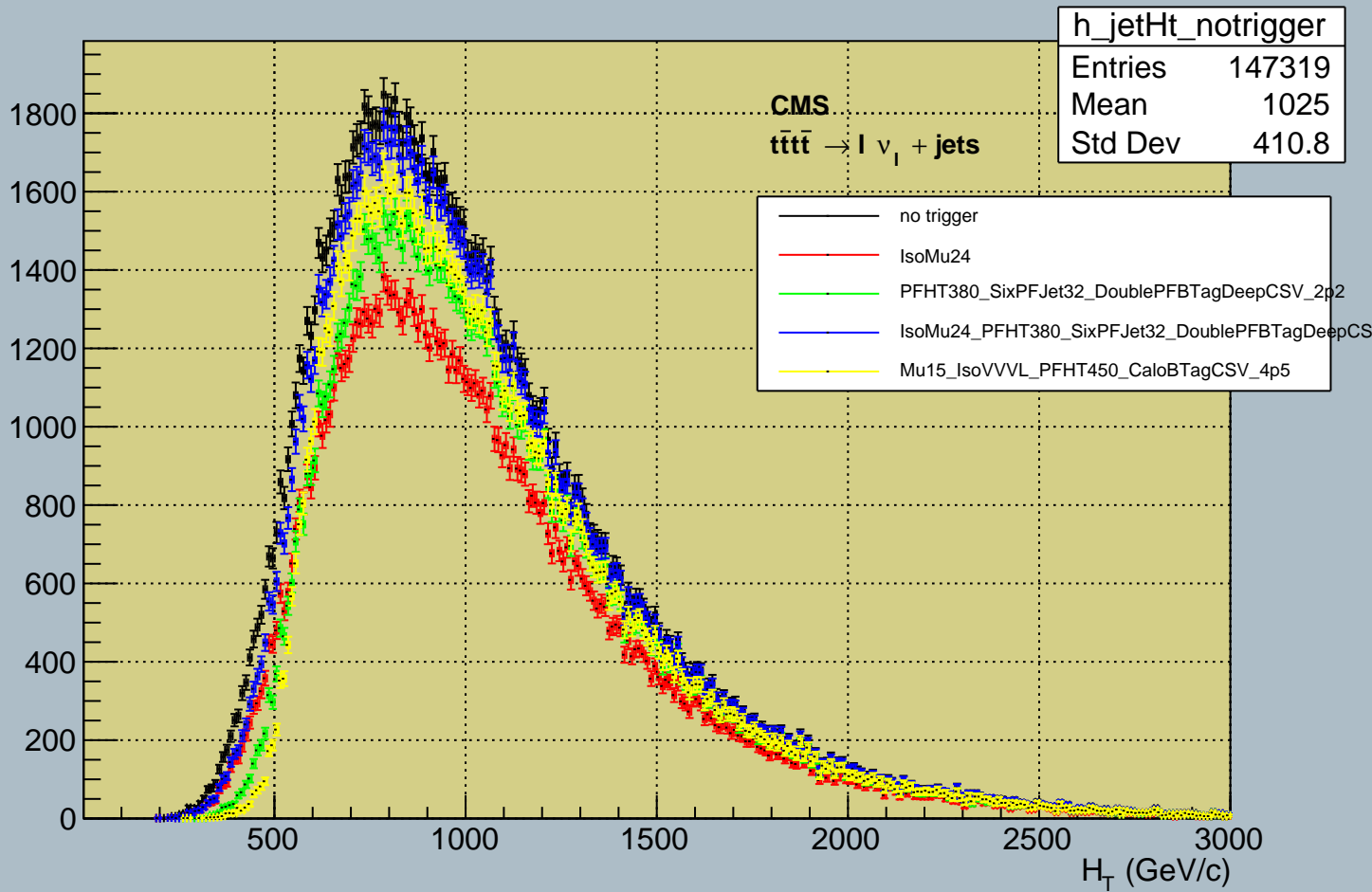
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

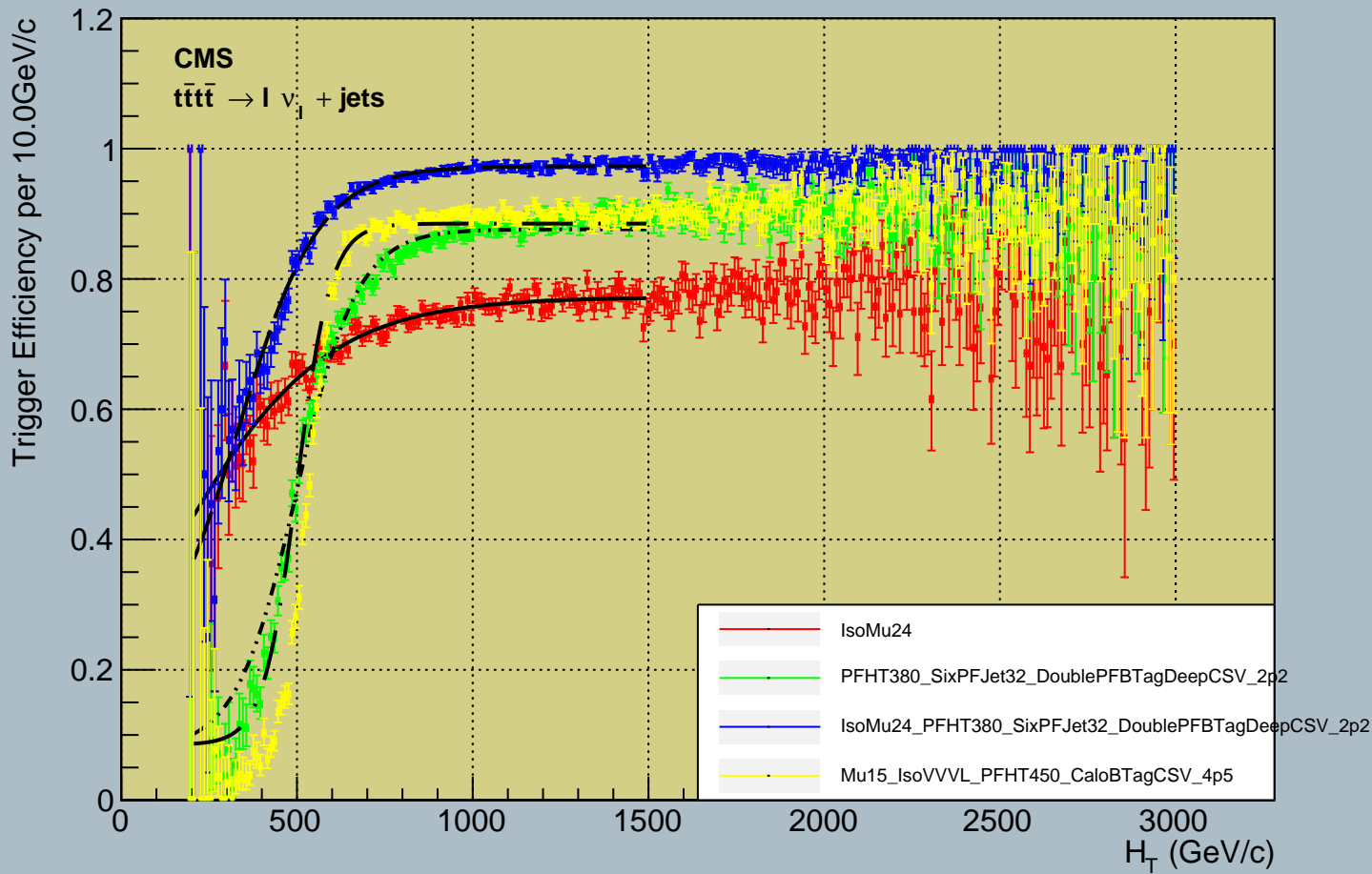
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

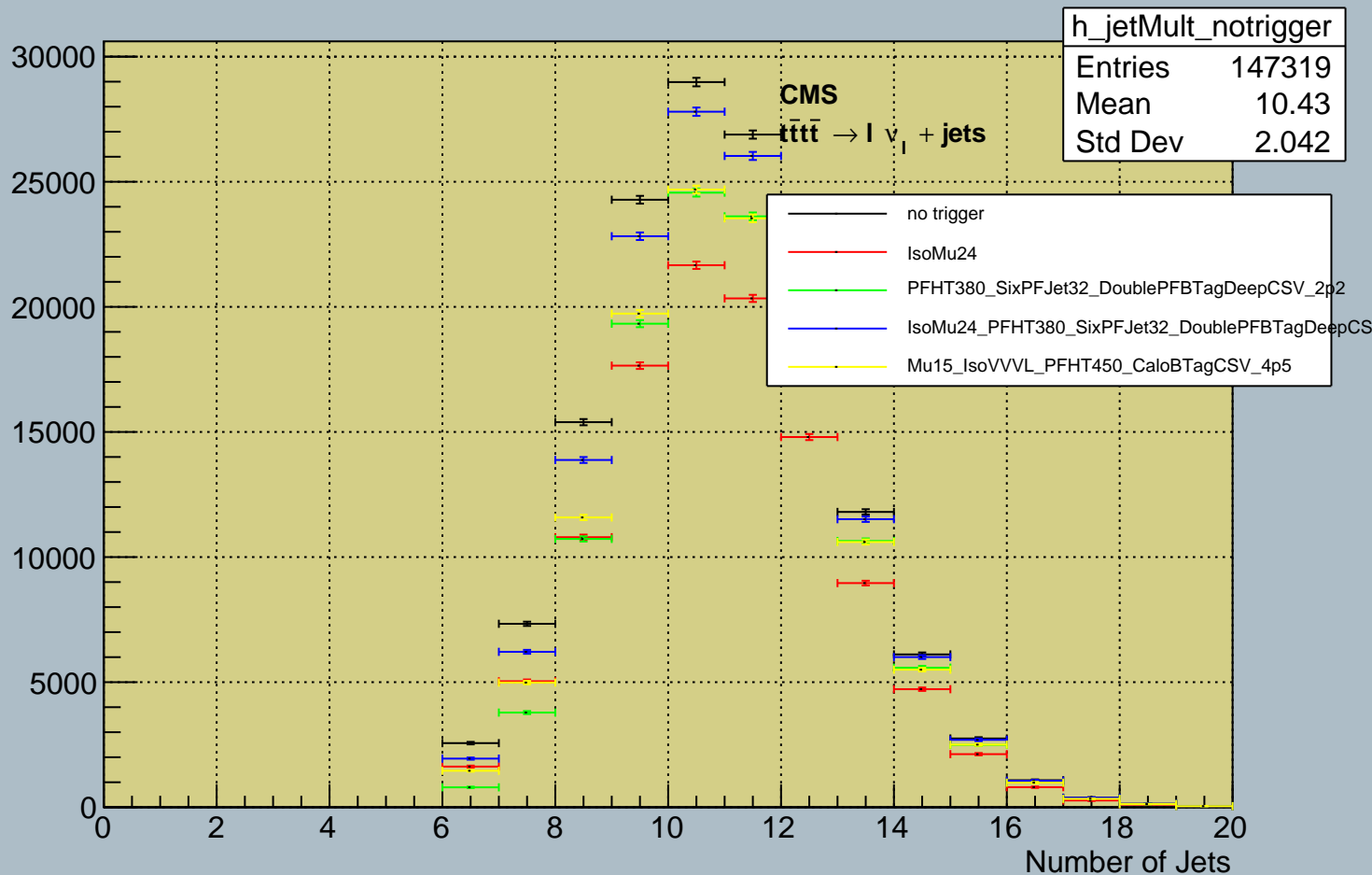
- **Jets:** $\text{jetId} > 2$, $p_T > 20$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (fo

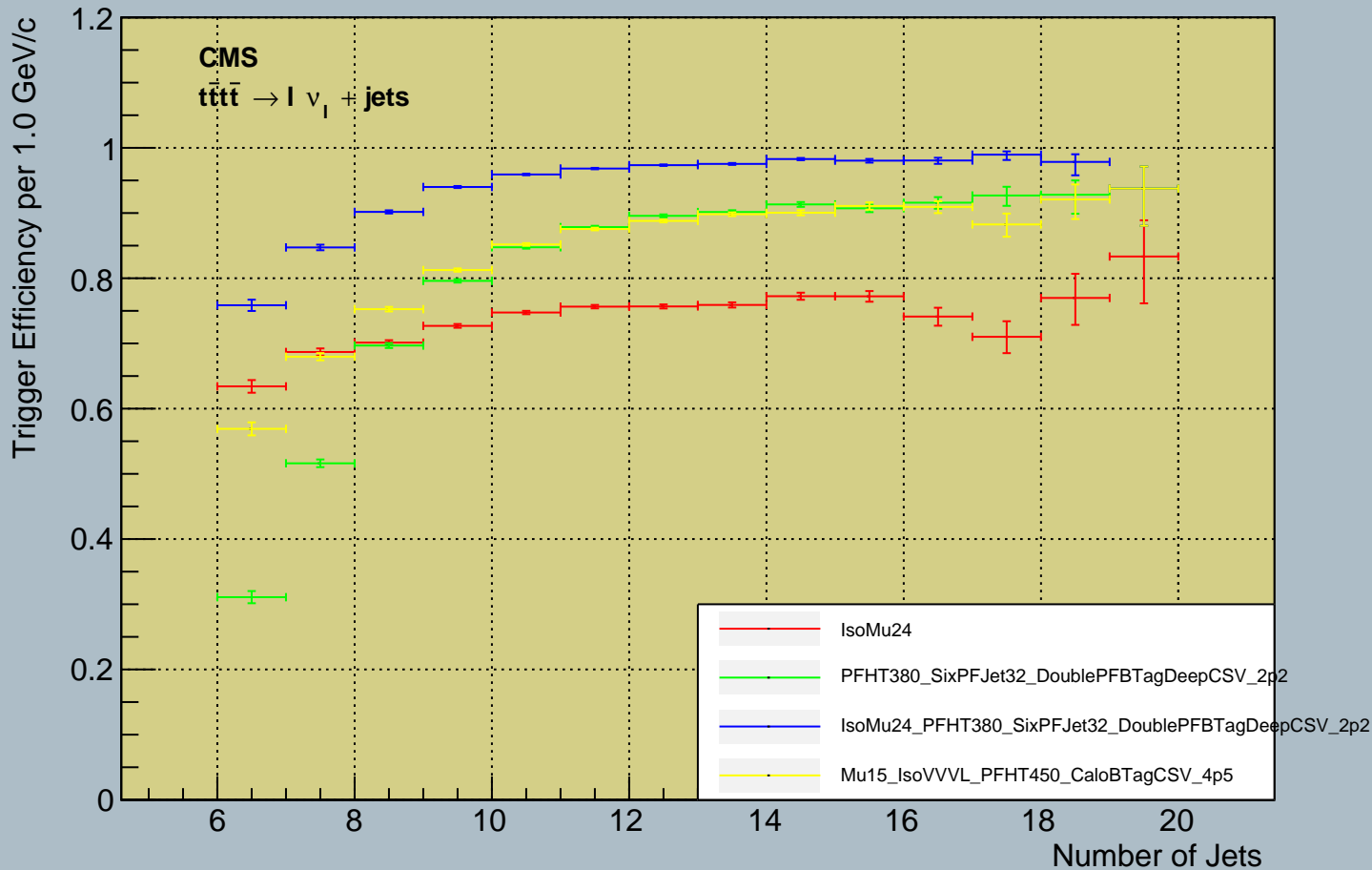
Number of Events per 10 GeV/c



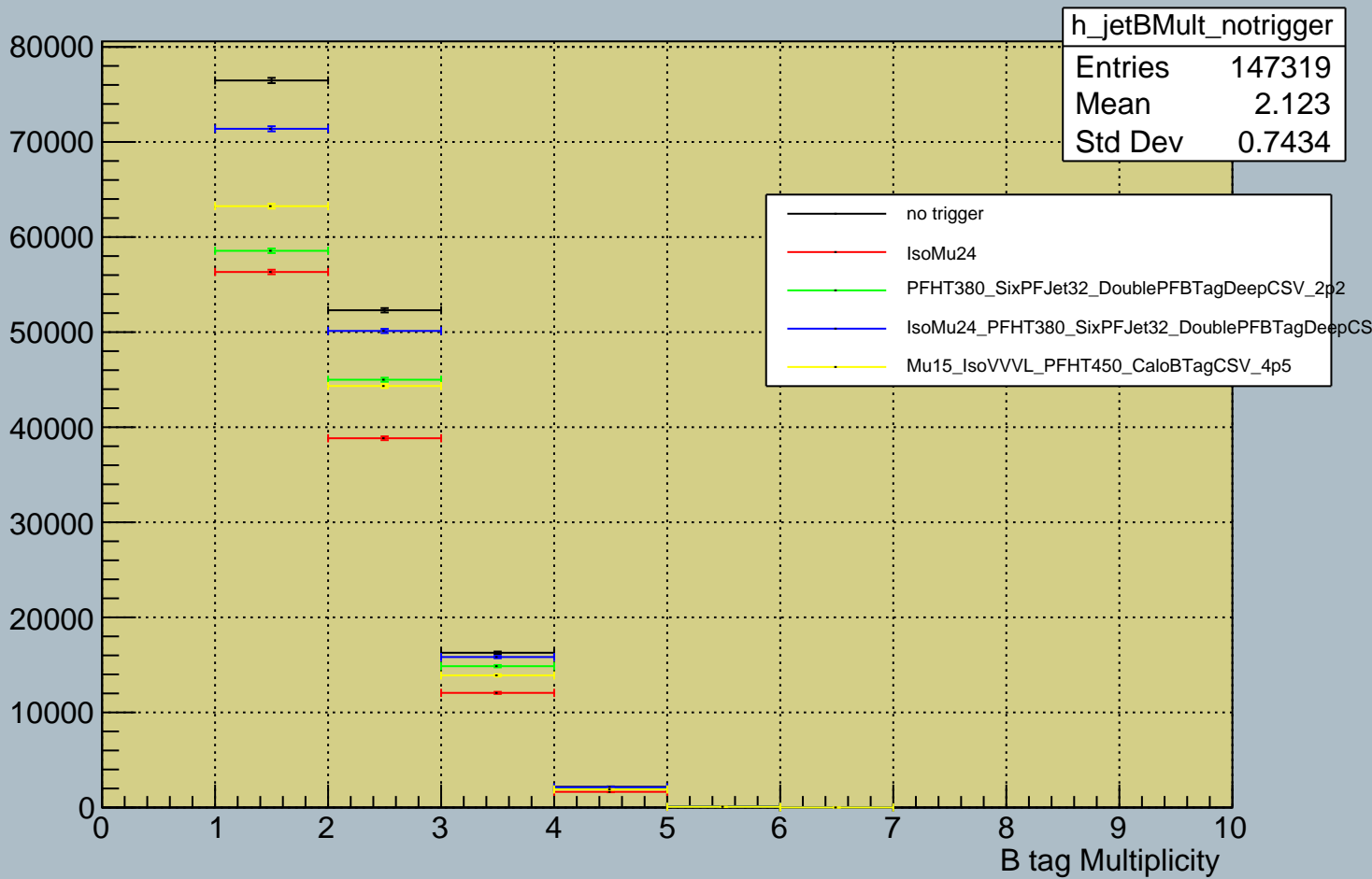


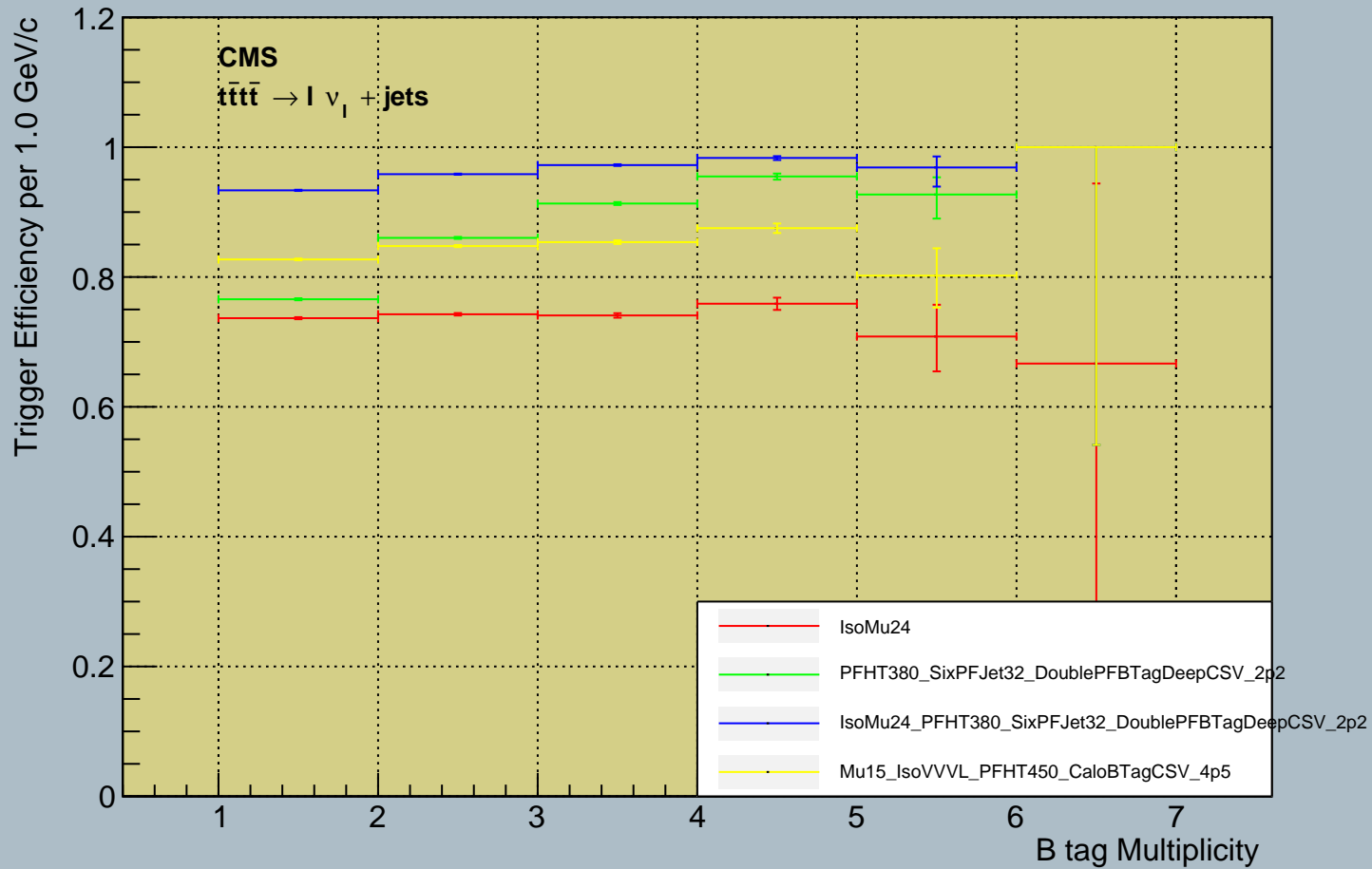
Number of Events per Number of Jets

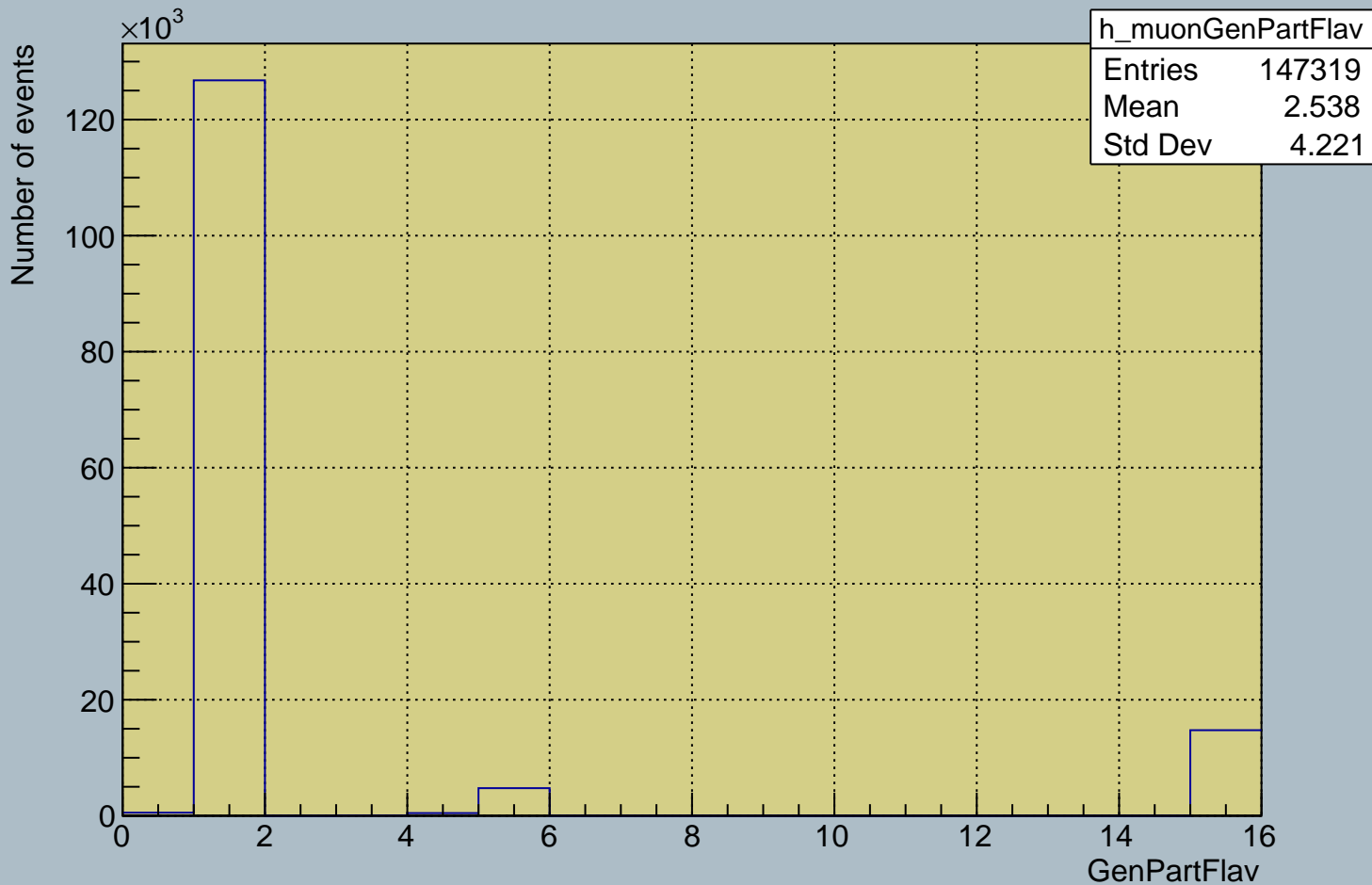




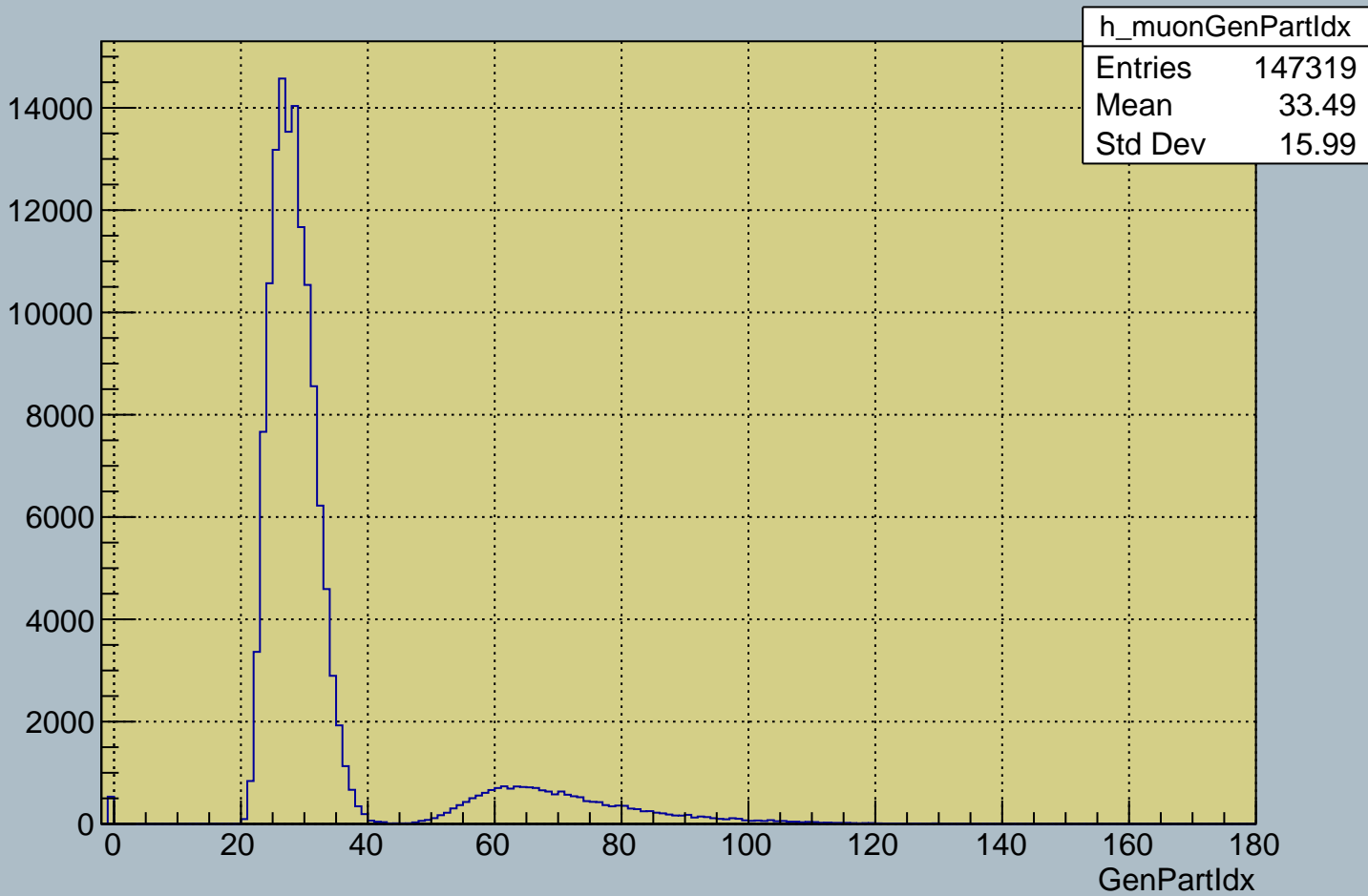
Number of Events per Number of Jets



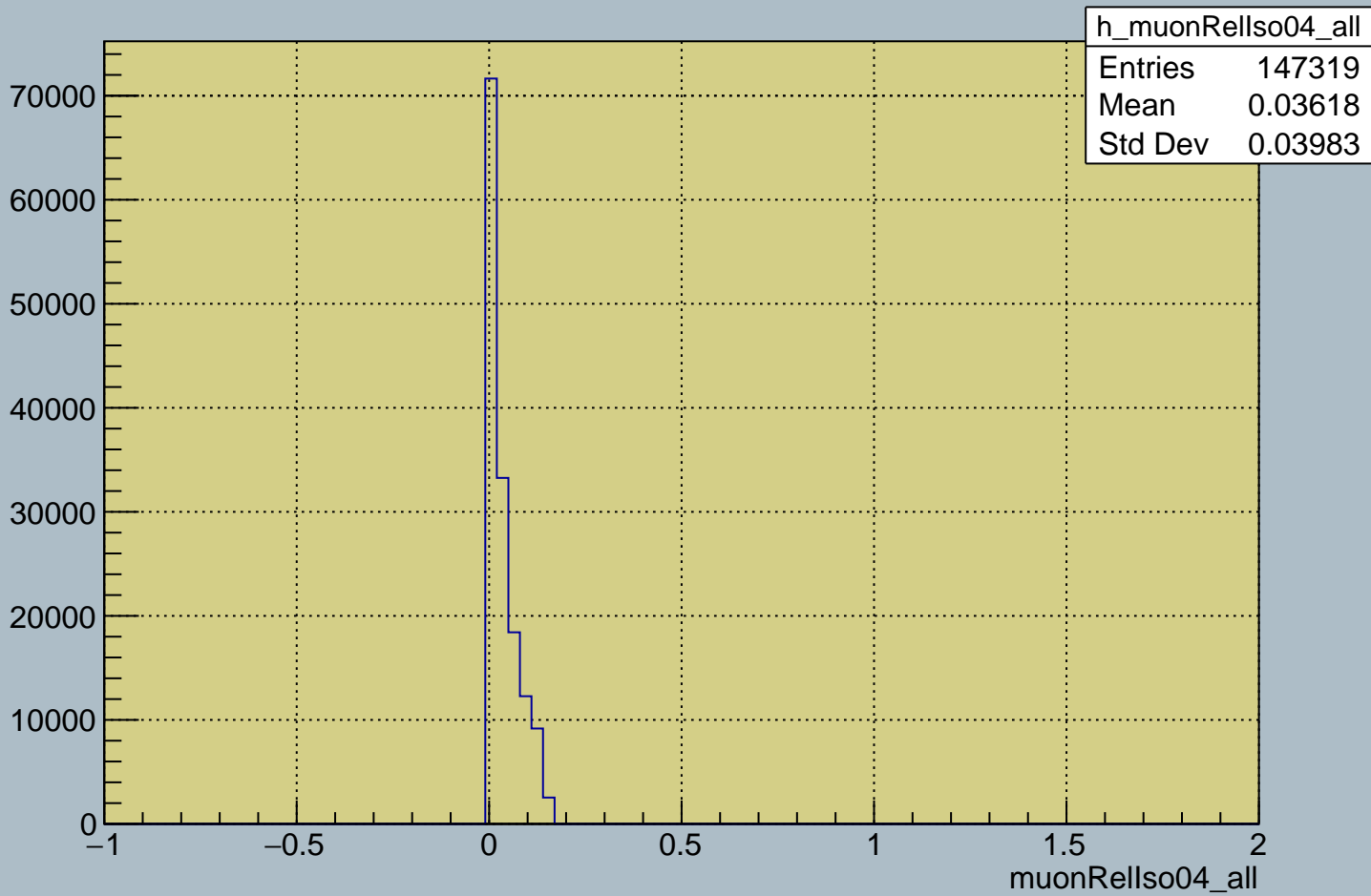




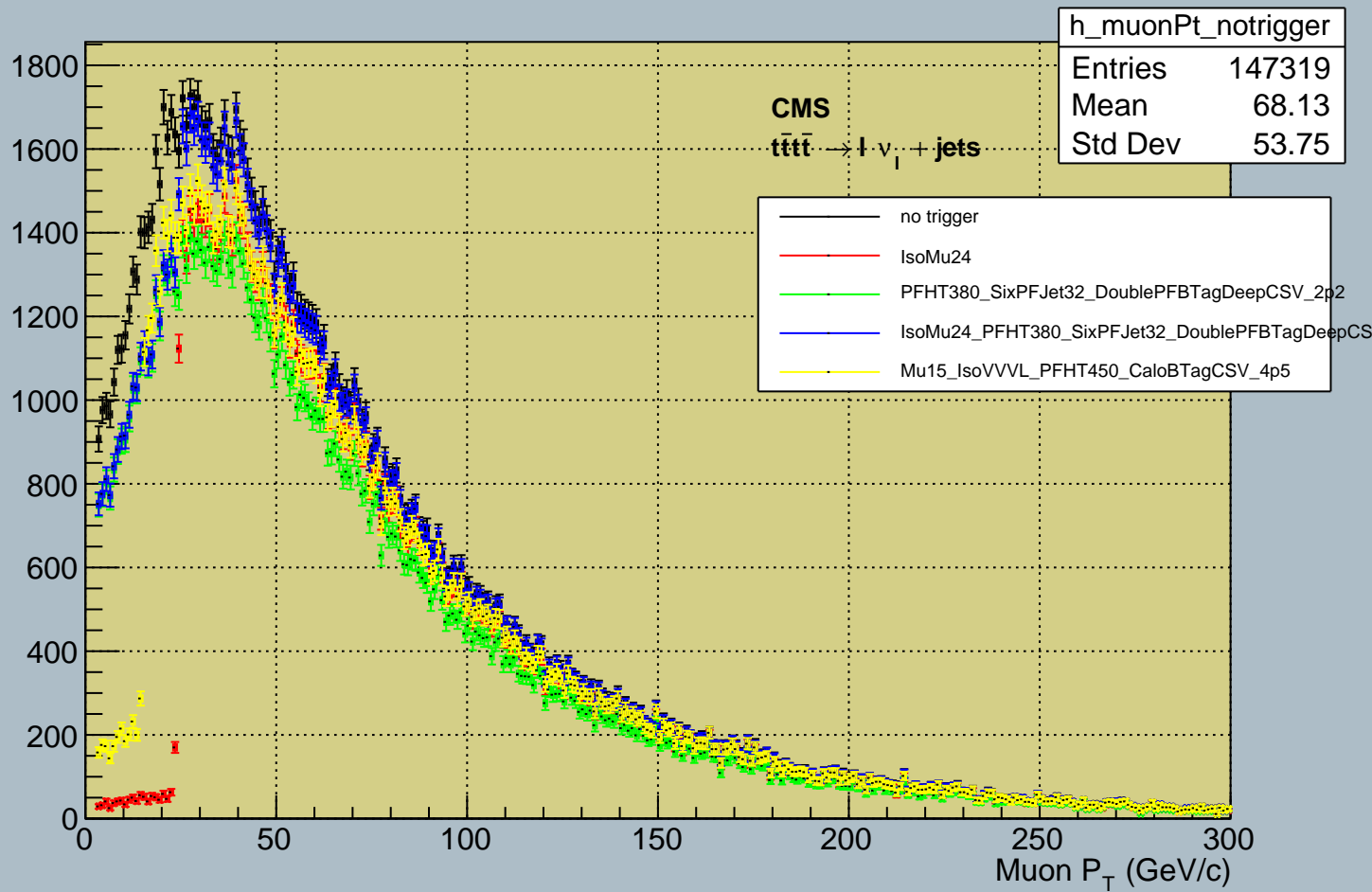
Number of events



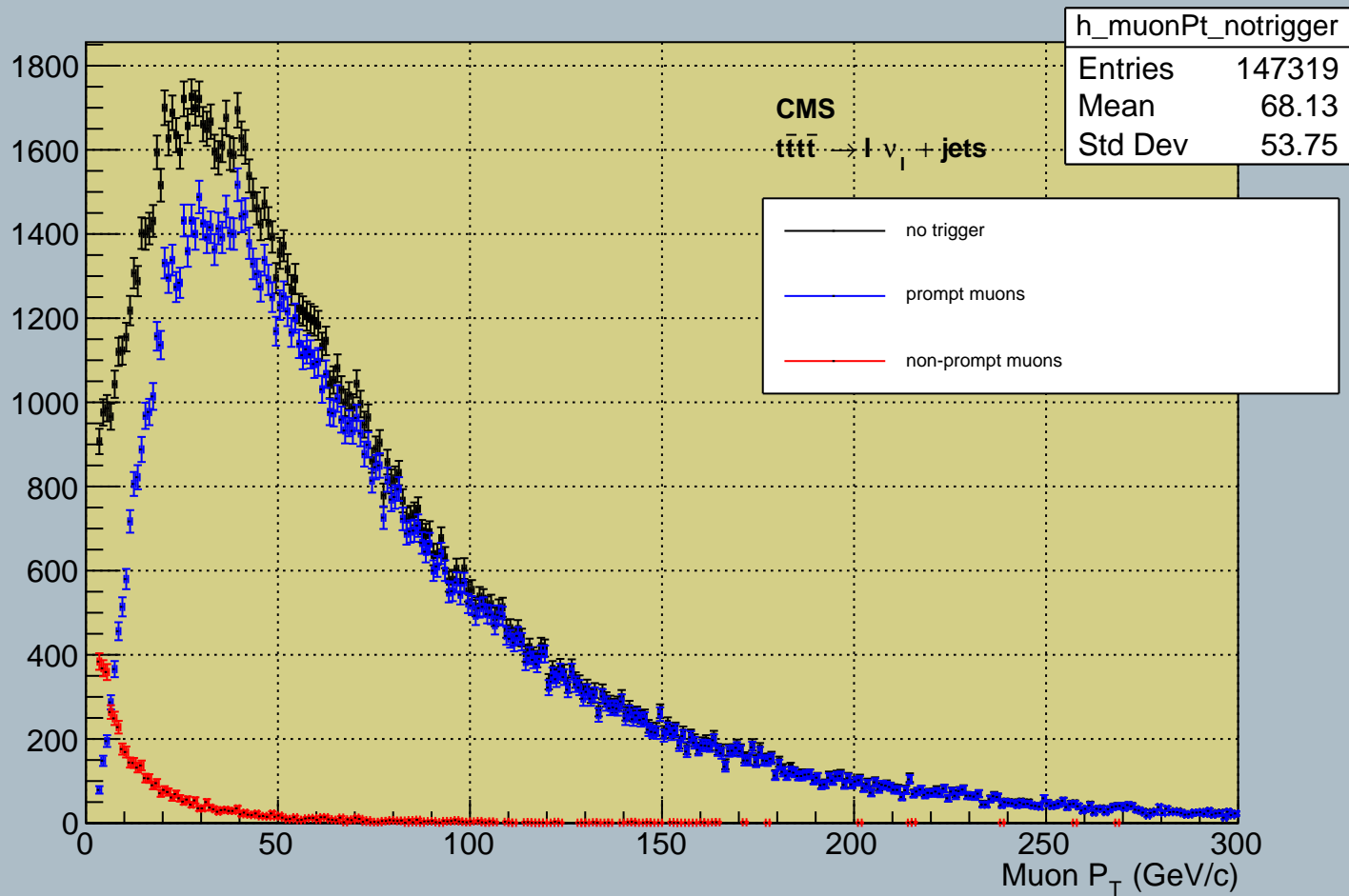
Number of Events

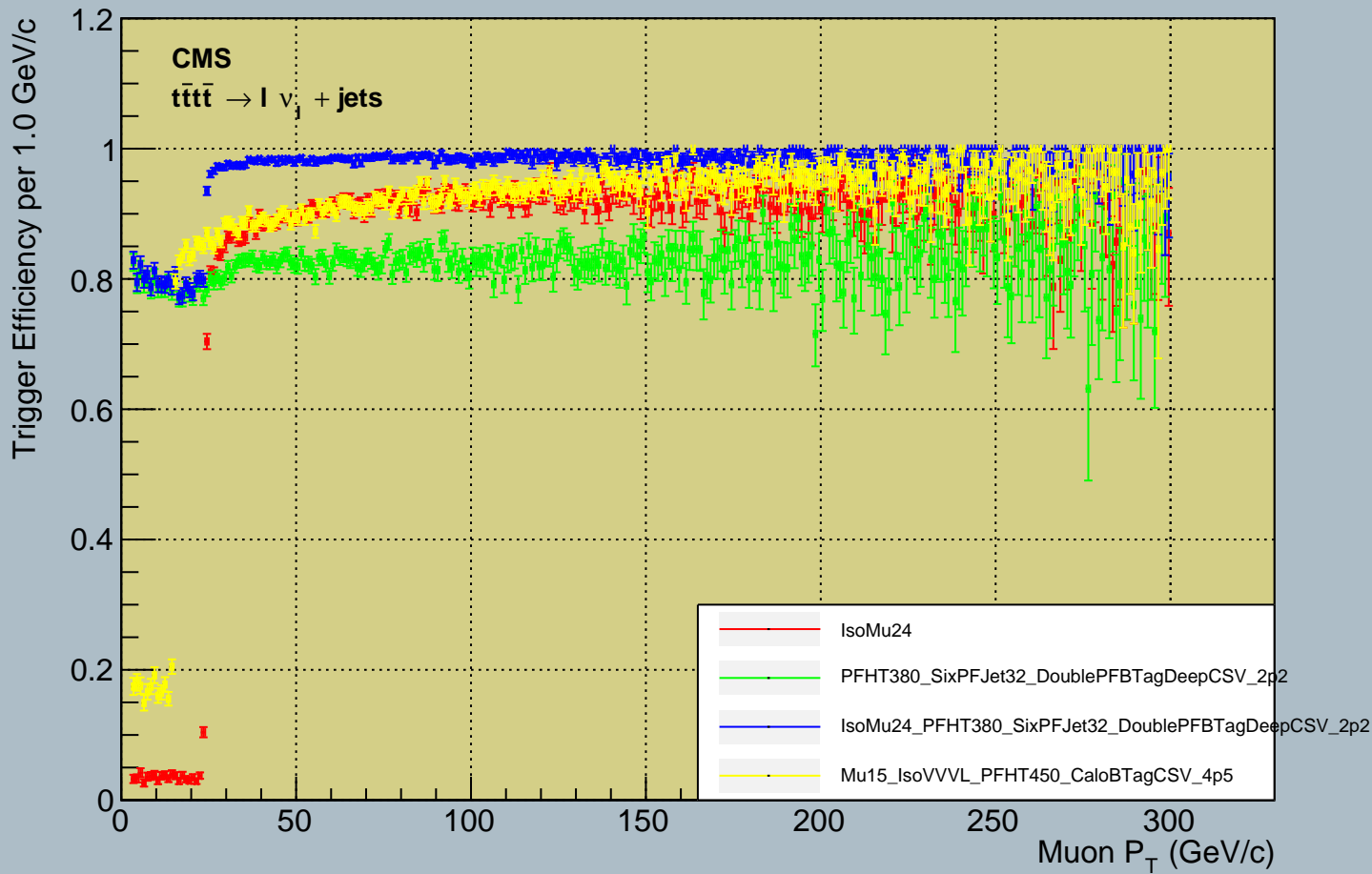


Number of Events per 1 GeV/c

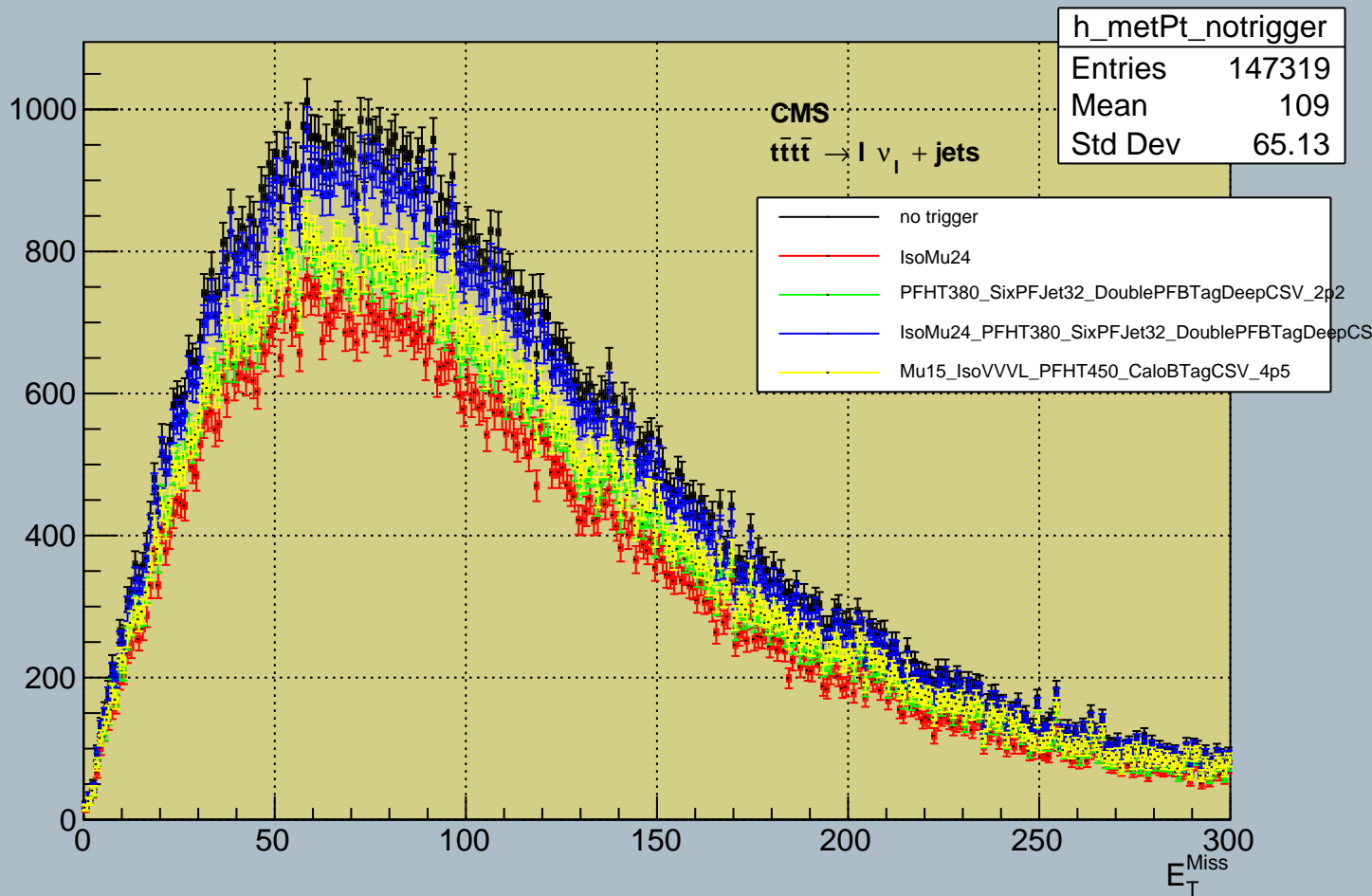


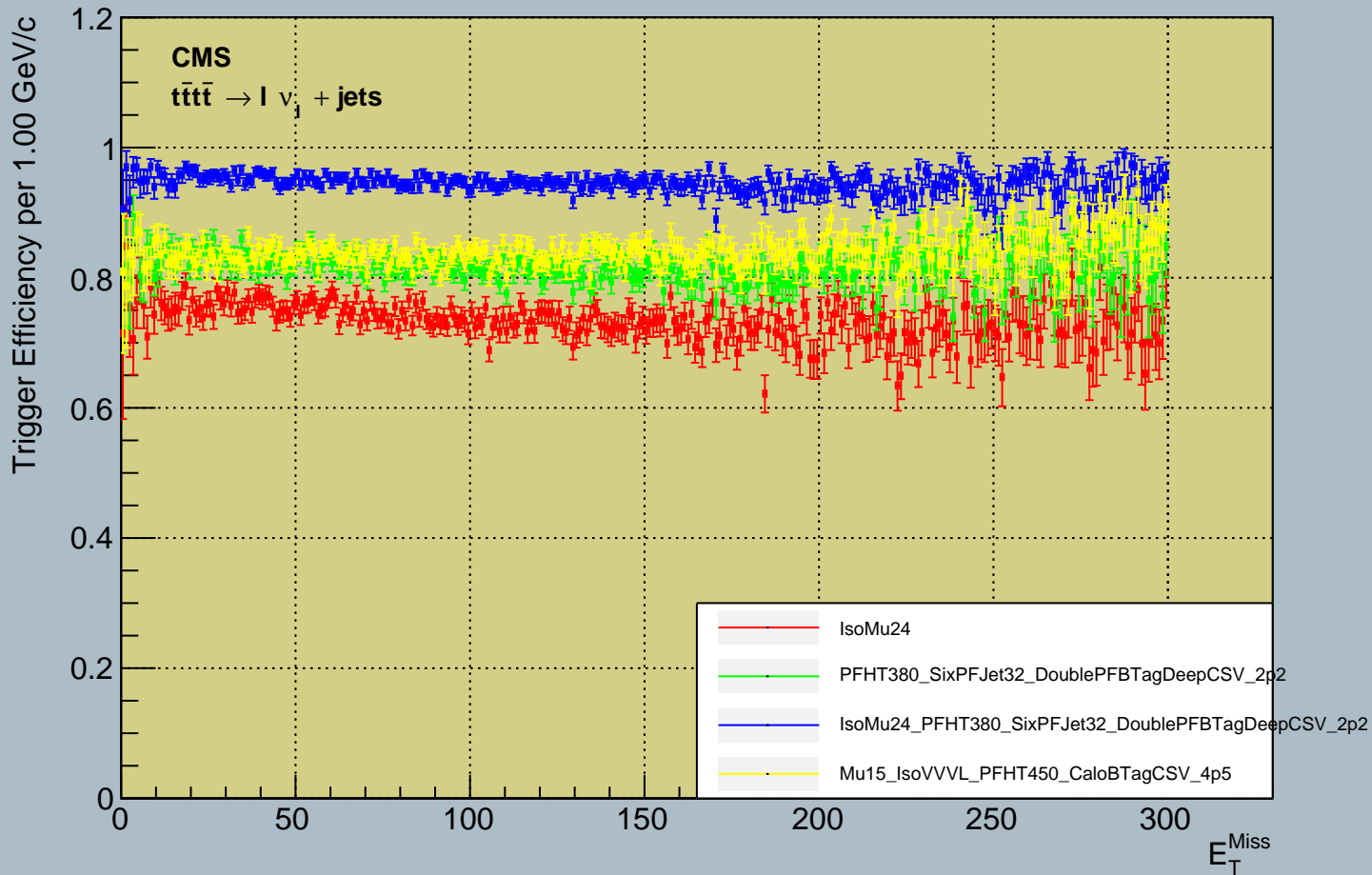
Number of Events per 1 GeV/c



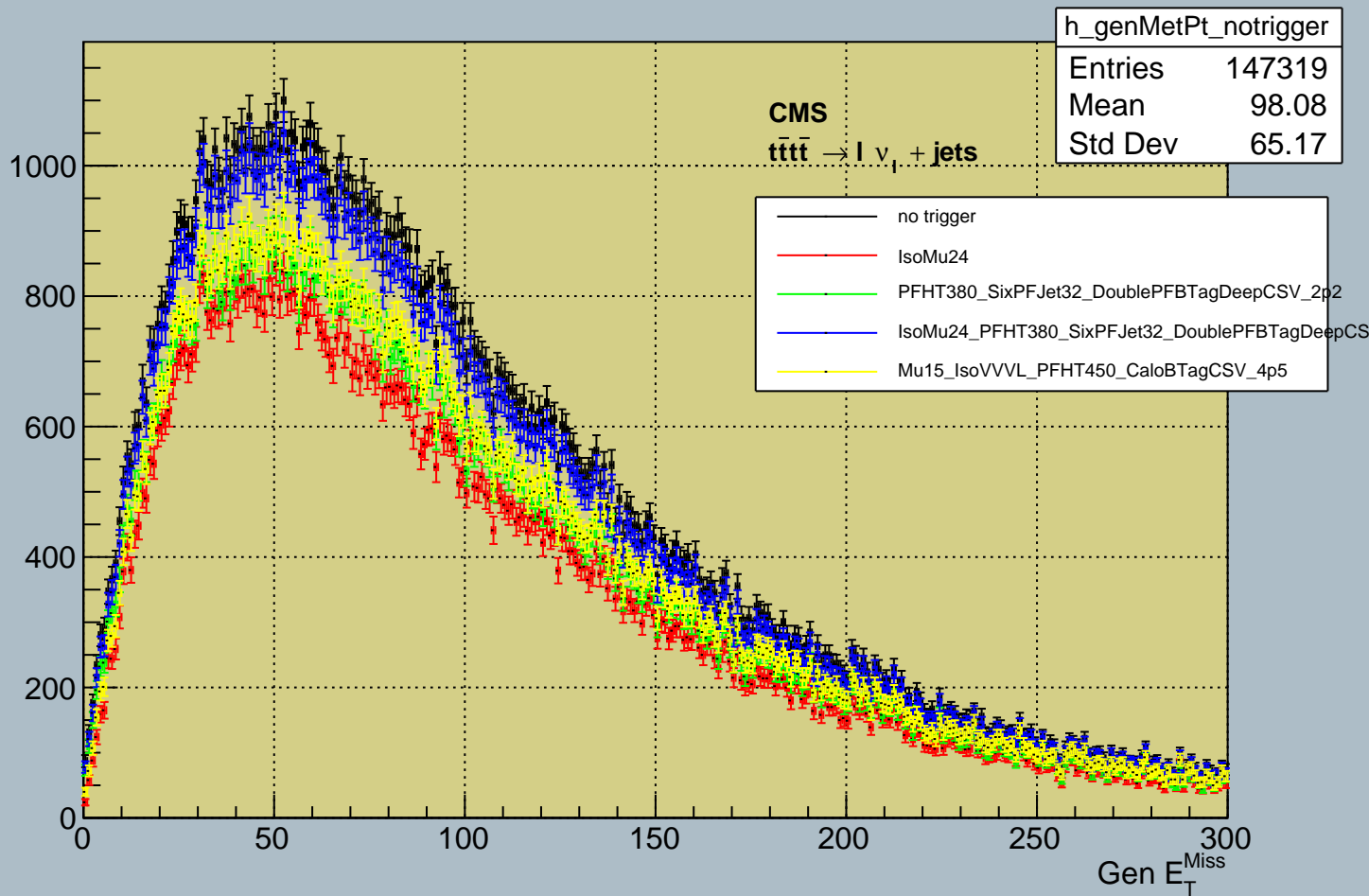


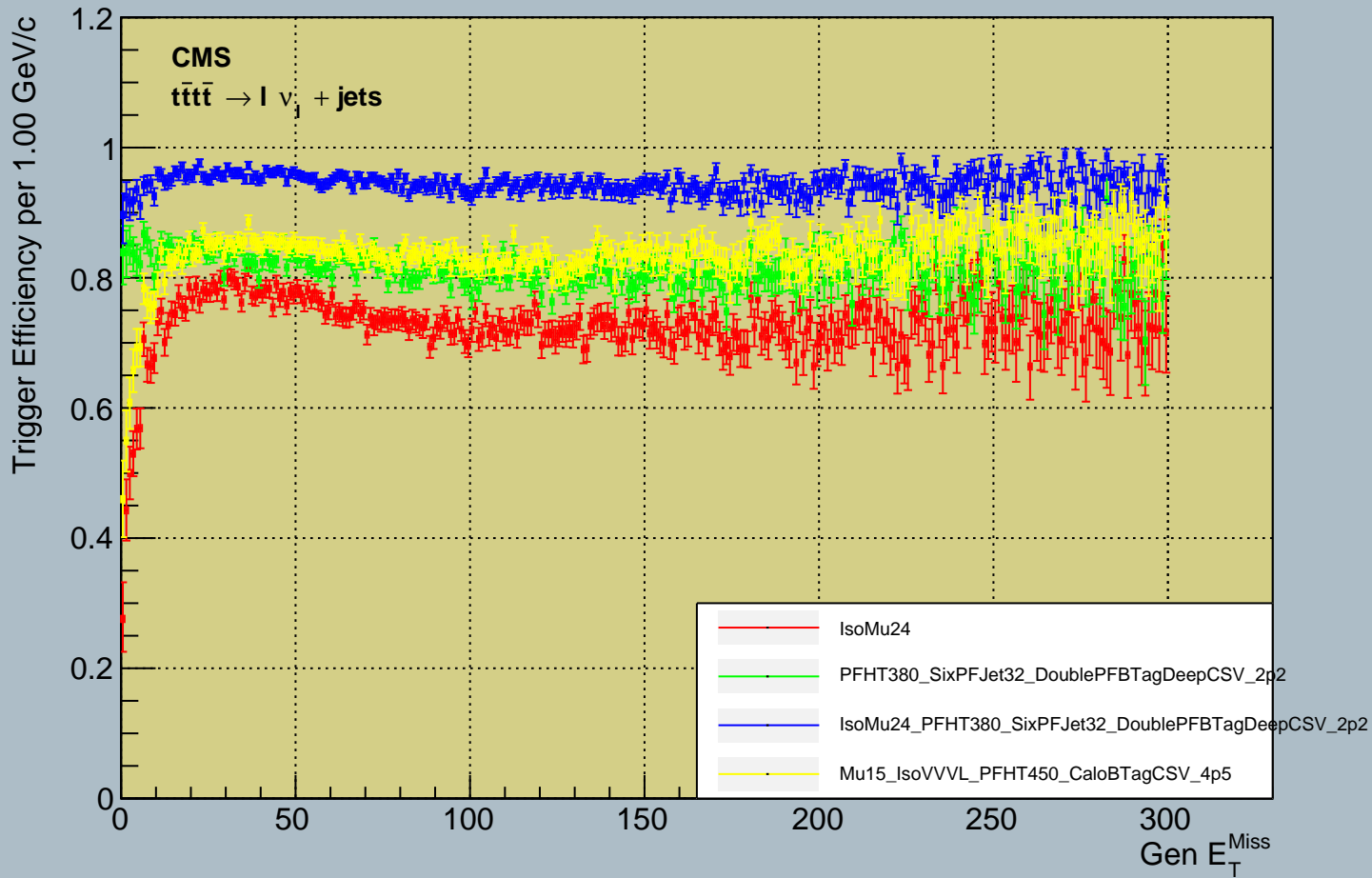
Number of Events per 1 GeV/c



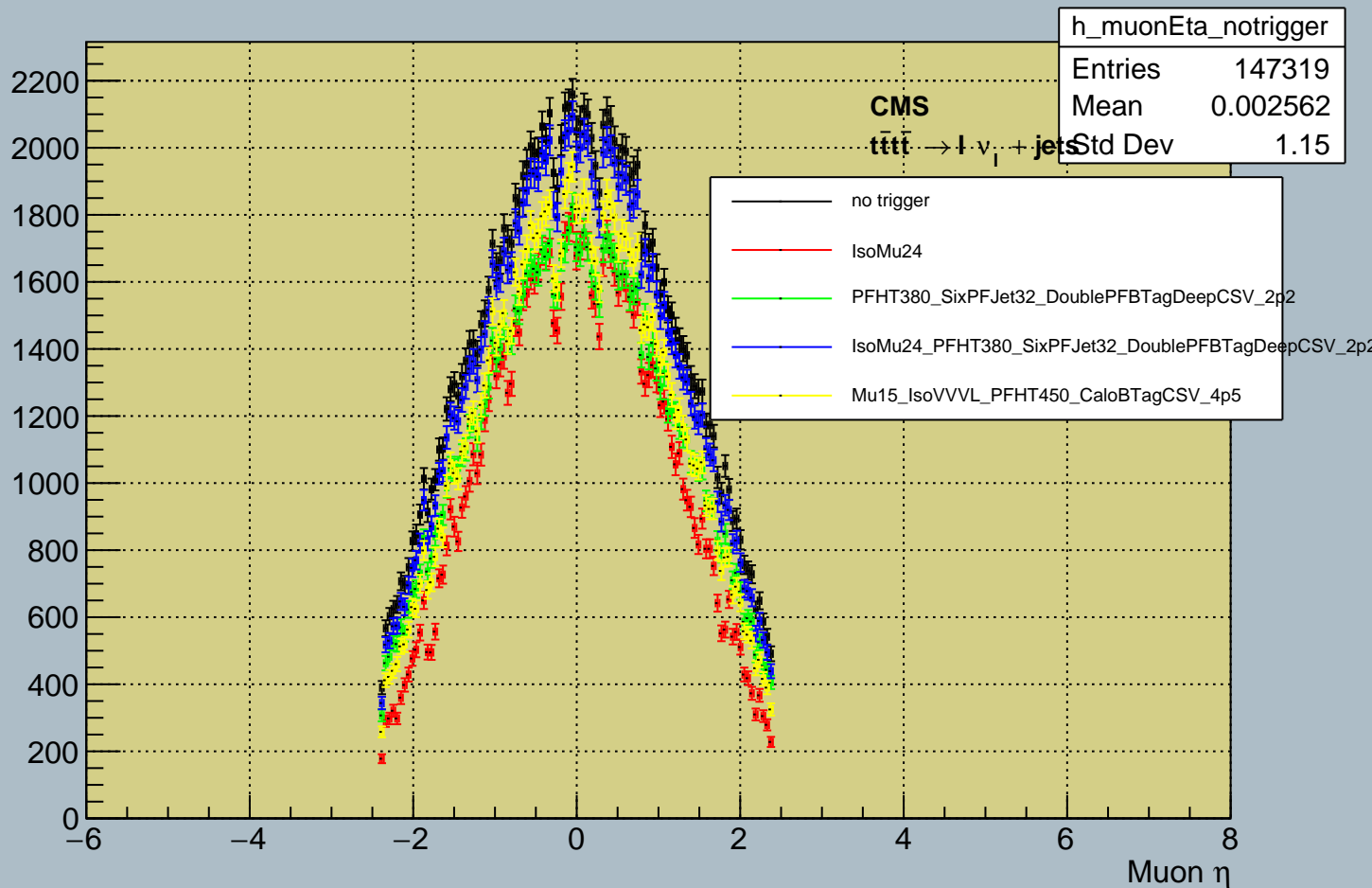


Number of Events per 1GeV/c





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



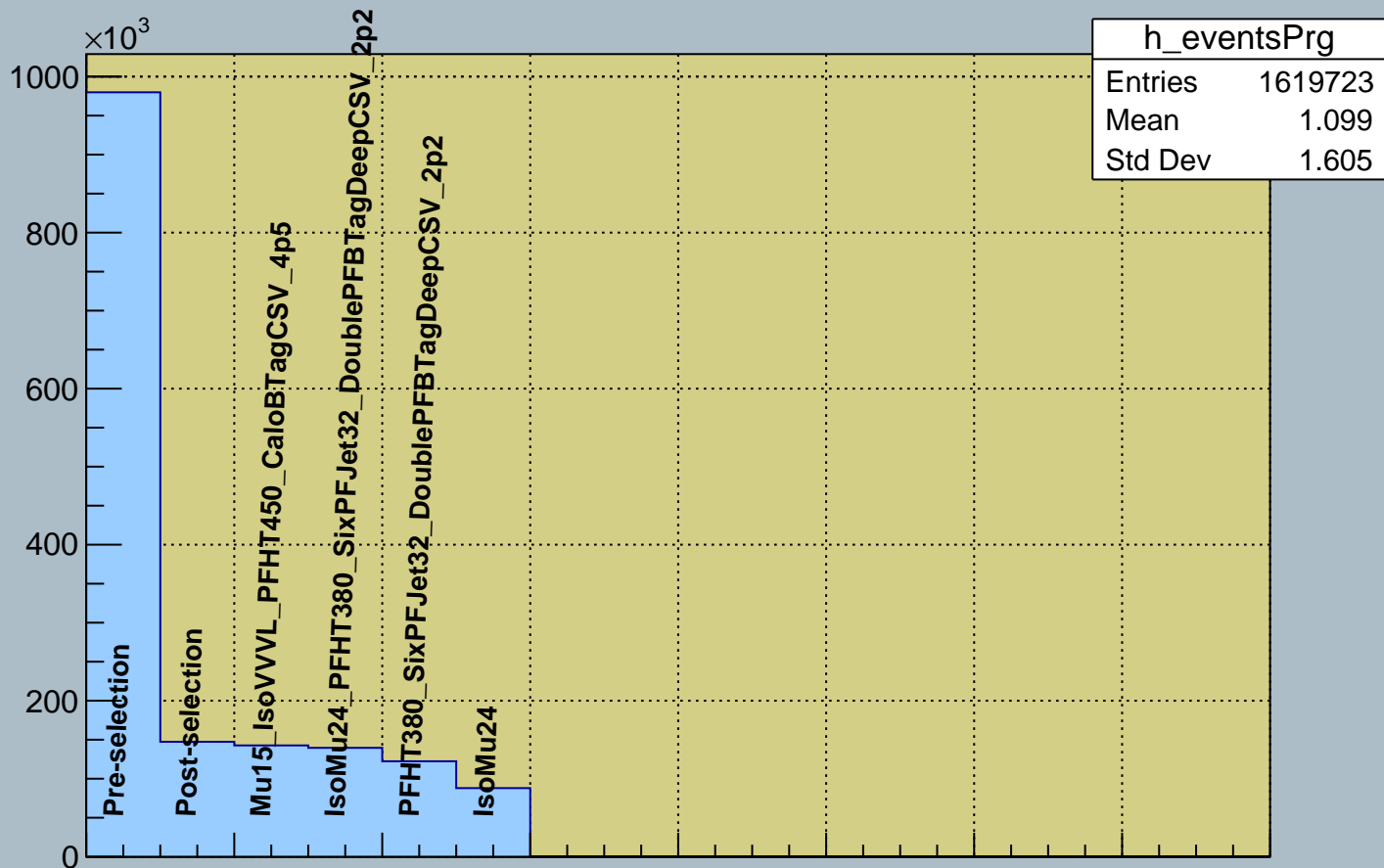
Trigger Efficiency per 0.0466666666666667 GeV/c

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

- IsoMu24
- PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

Muon η

Total Number of Accepted Events



Cuts and Triggers