

On-line (pre-)selection Requisites for:

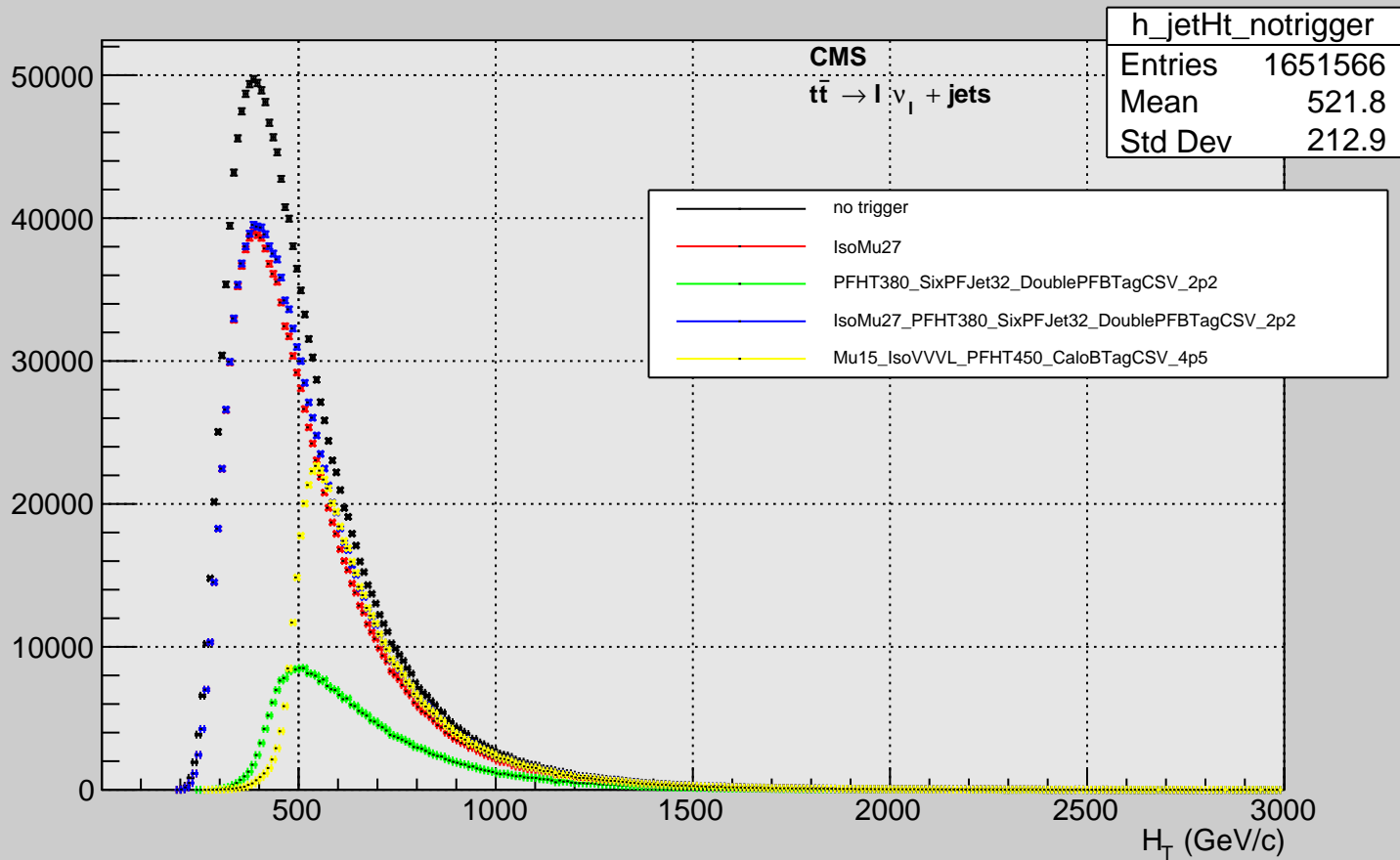
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

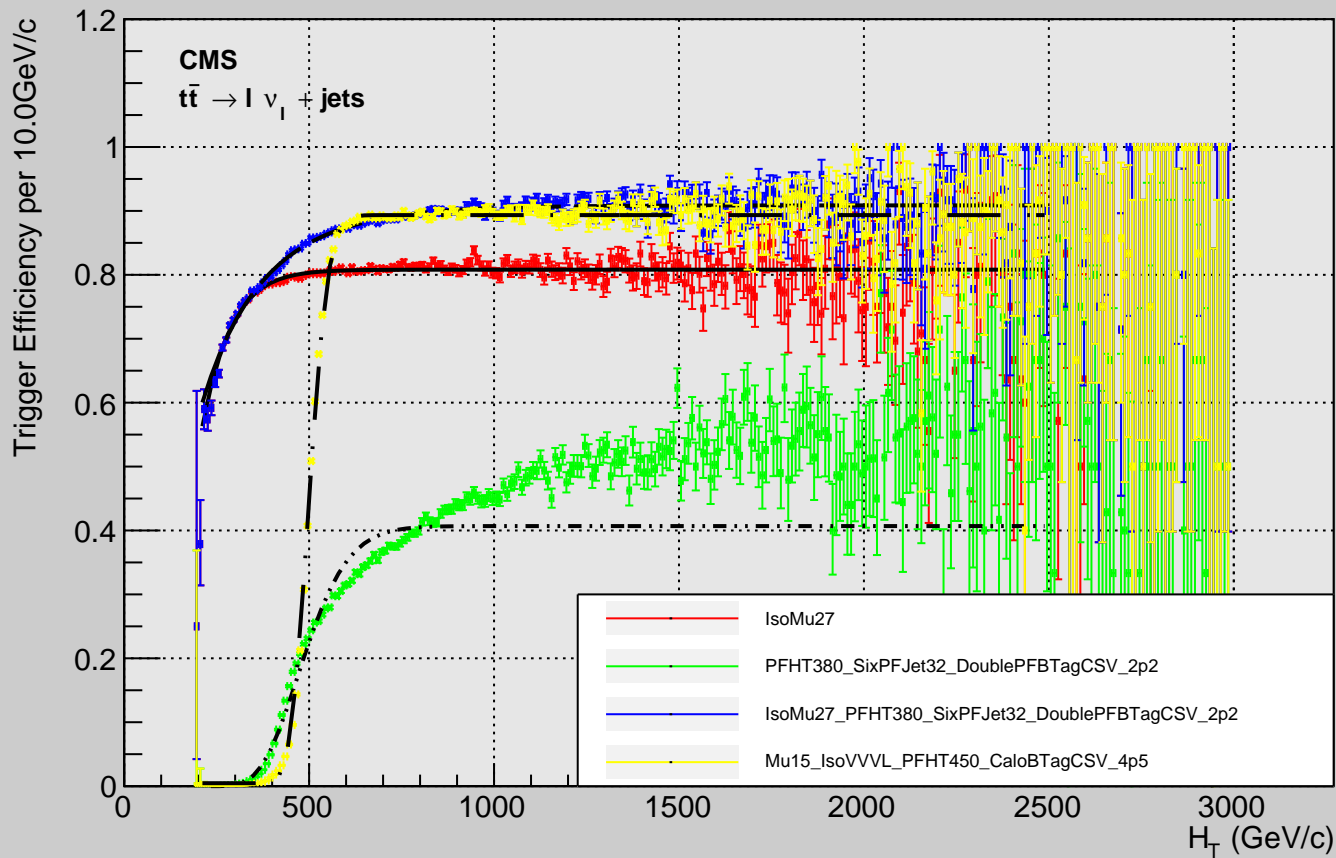
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

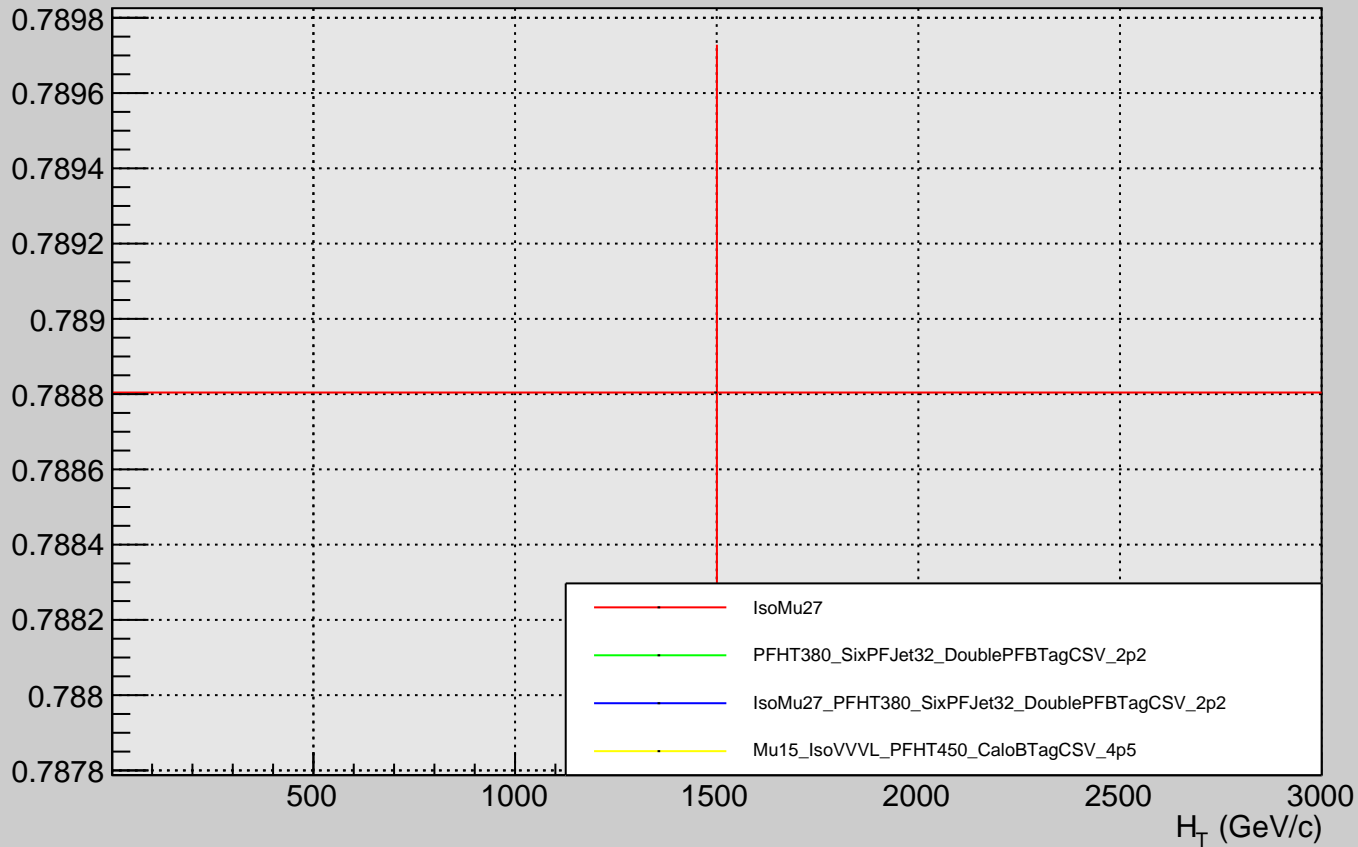
- **Jets:** $\text{jetId} > 2$, $p_T > 30$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId , $|\eta| < 2.4$ and $\text{miniPFRelIso_all} < 0.15$ (for at least 1)

Number of Events per 10 GeV/c

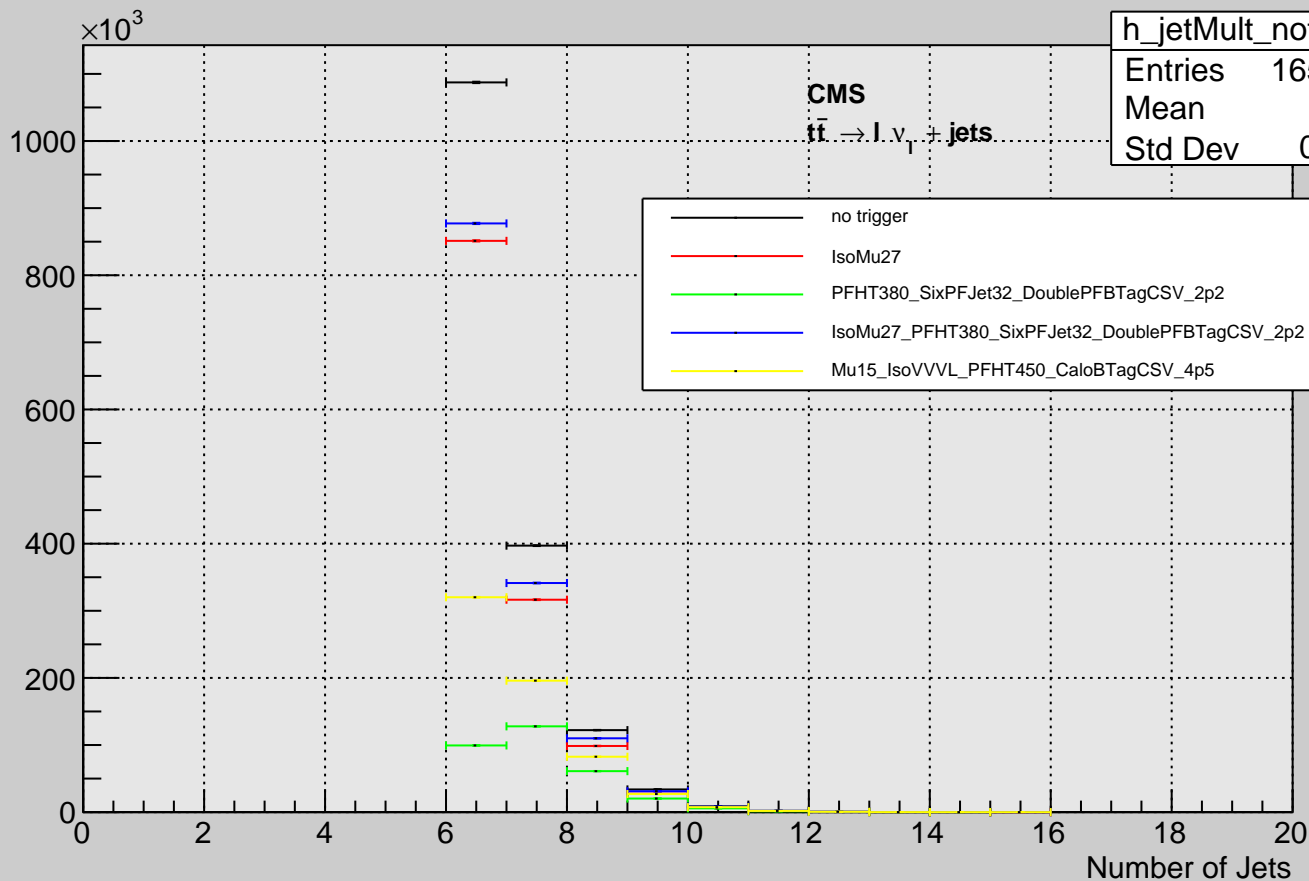


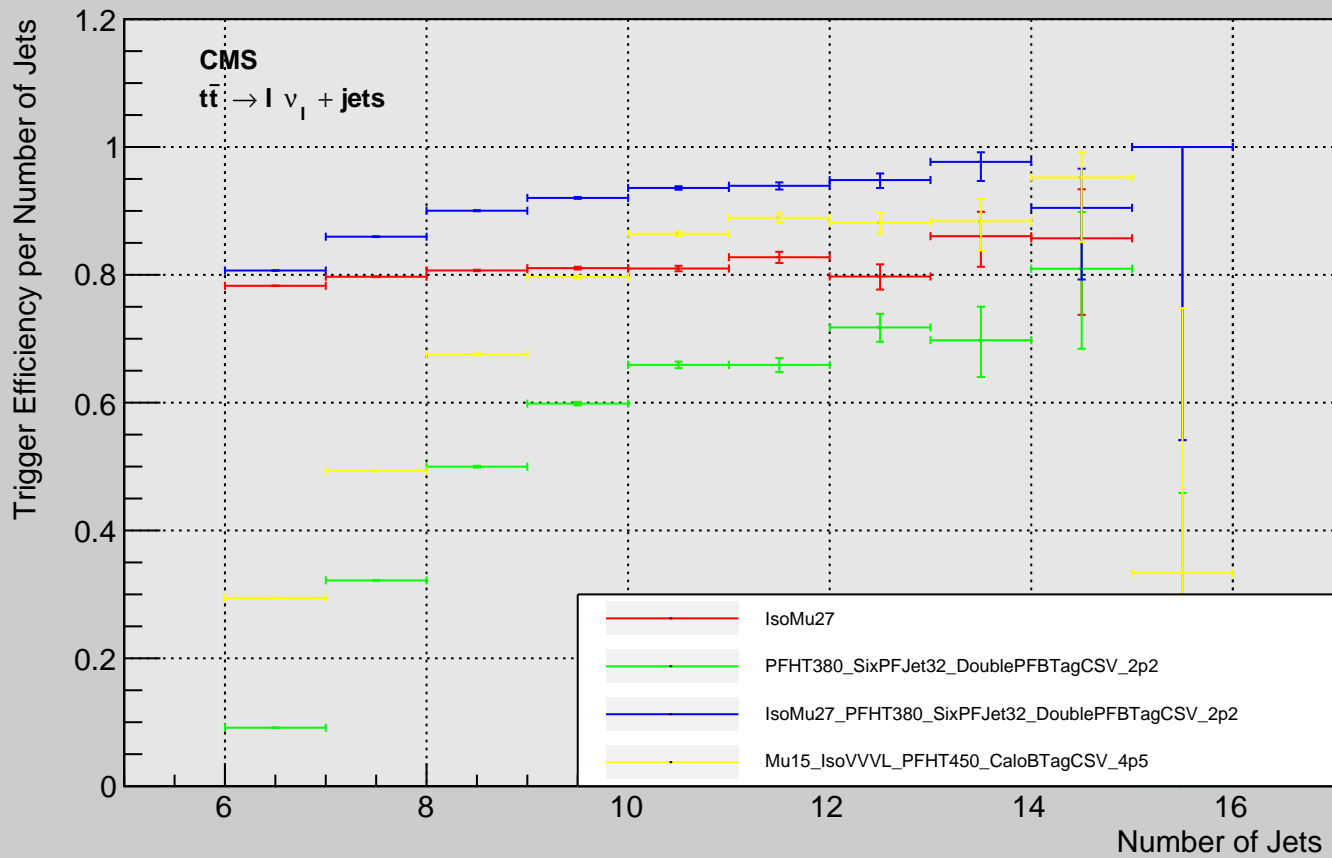


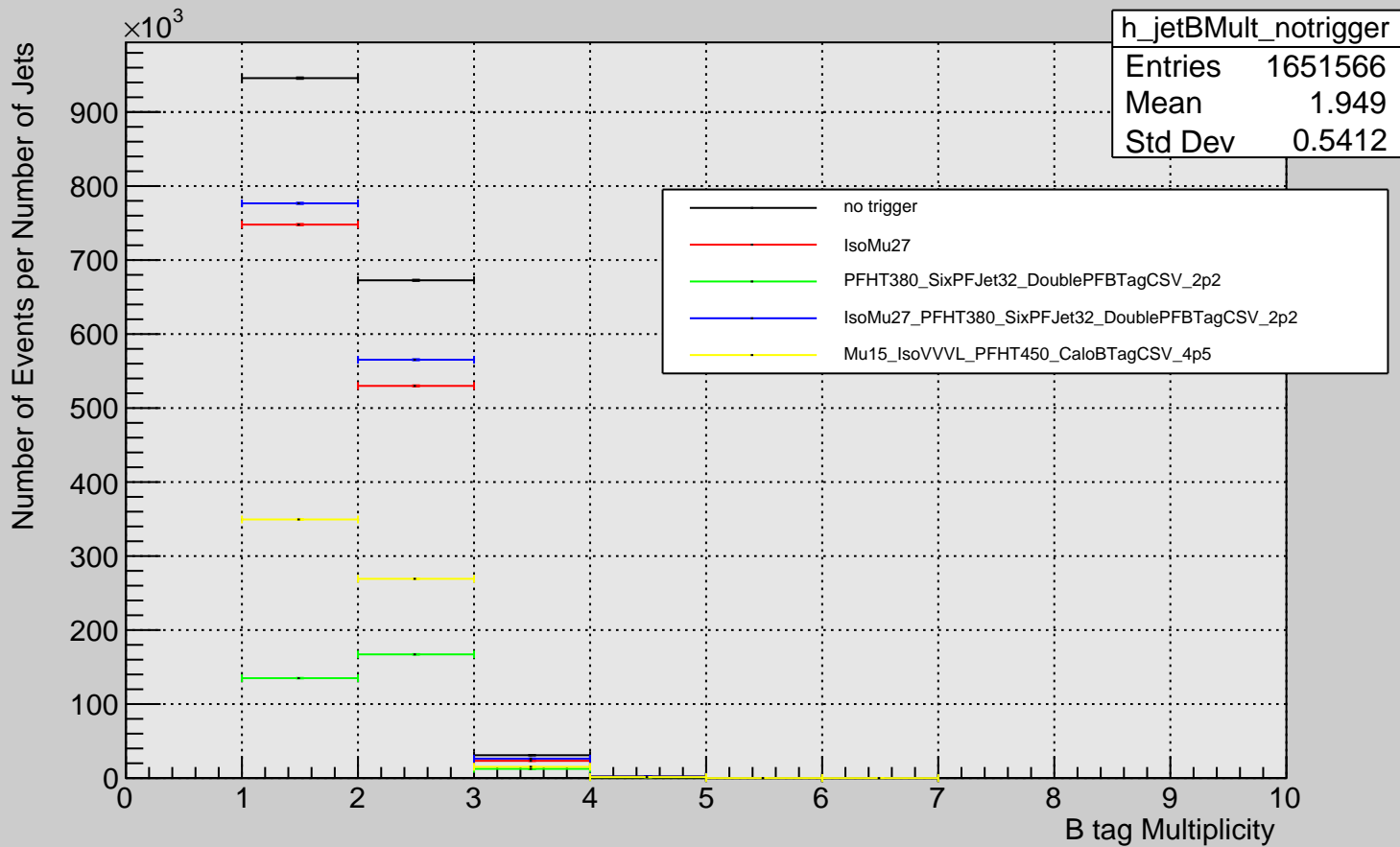
Trigger Efficiency per 2999.0 GeV/c

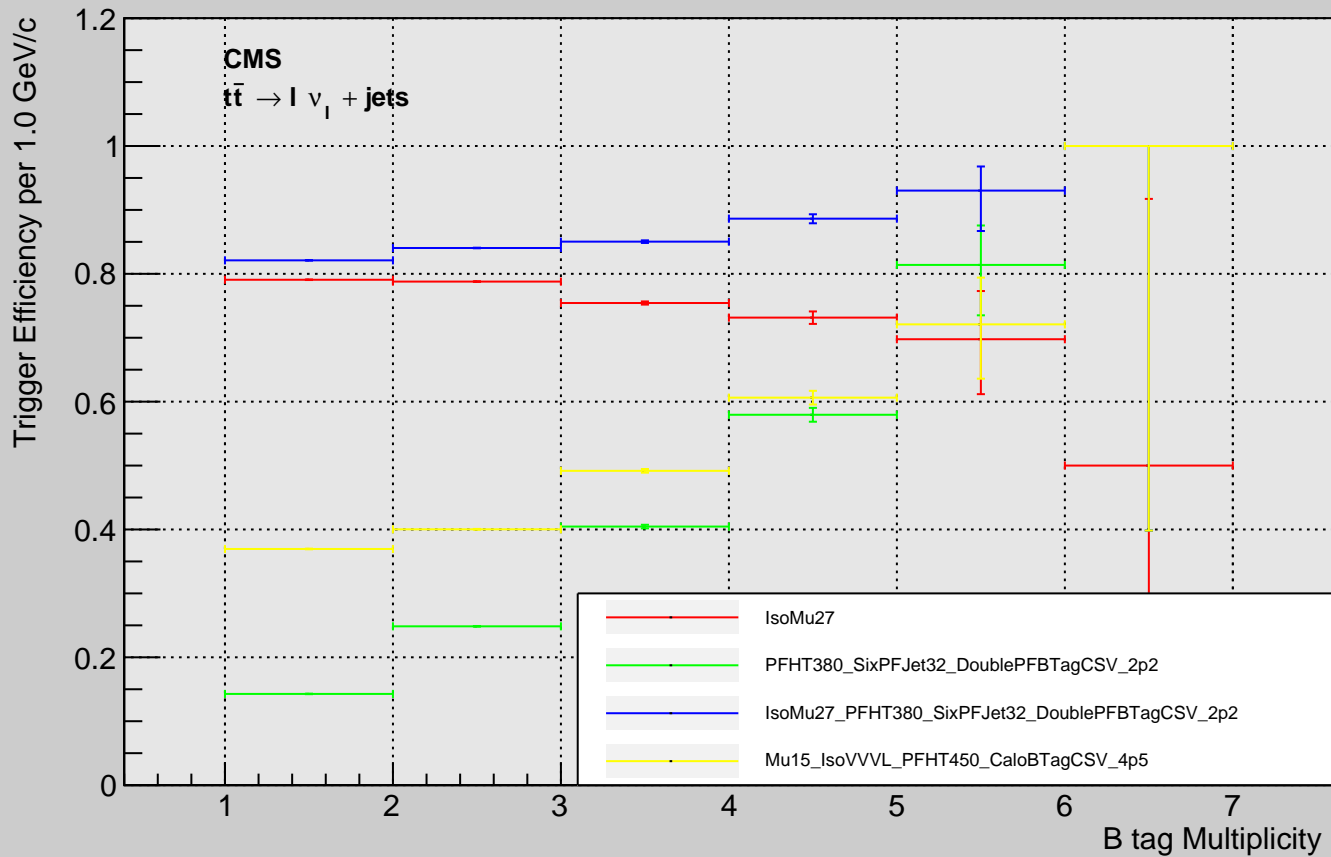


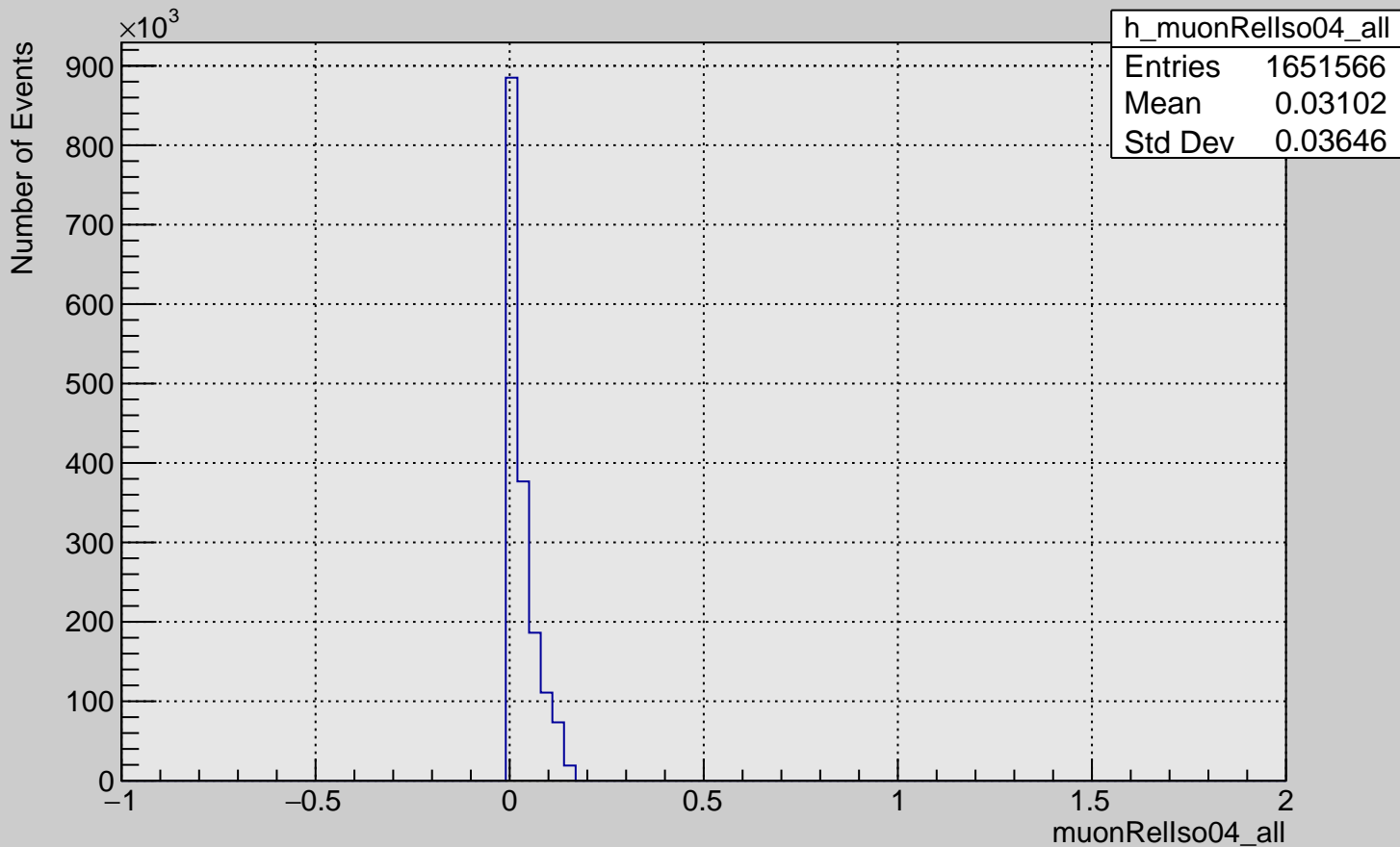
Number of Events per Number of Jets



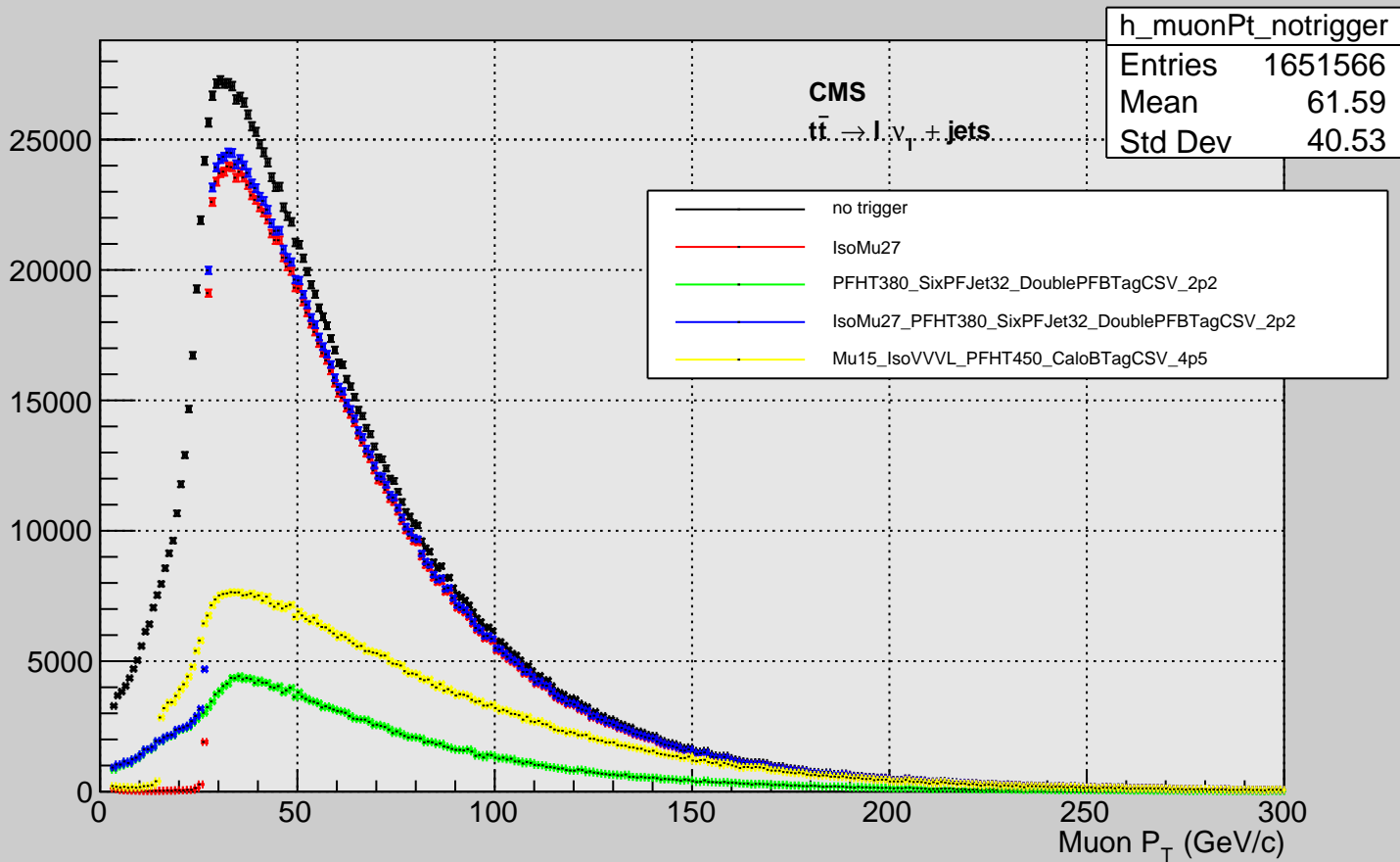




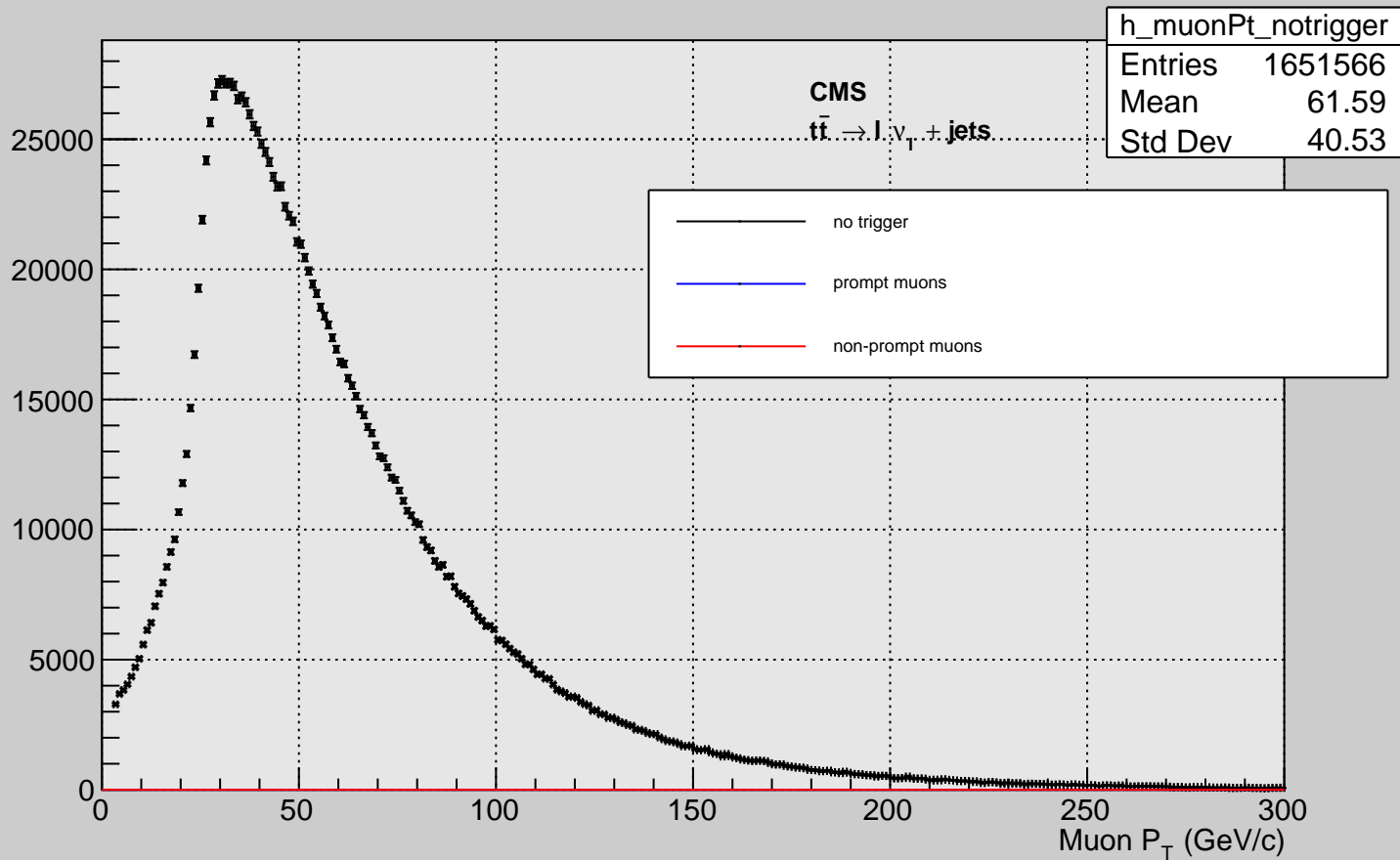


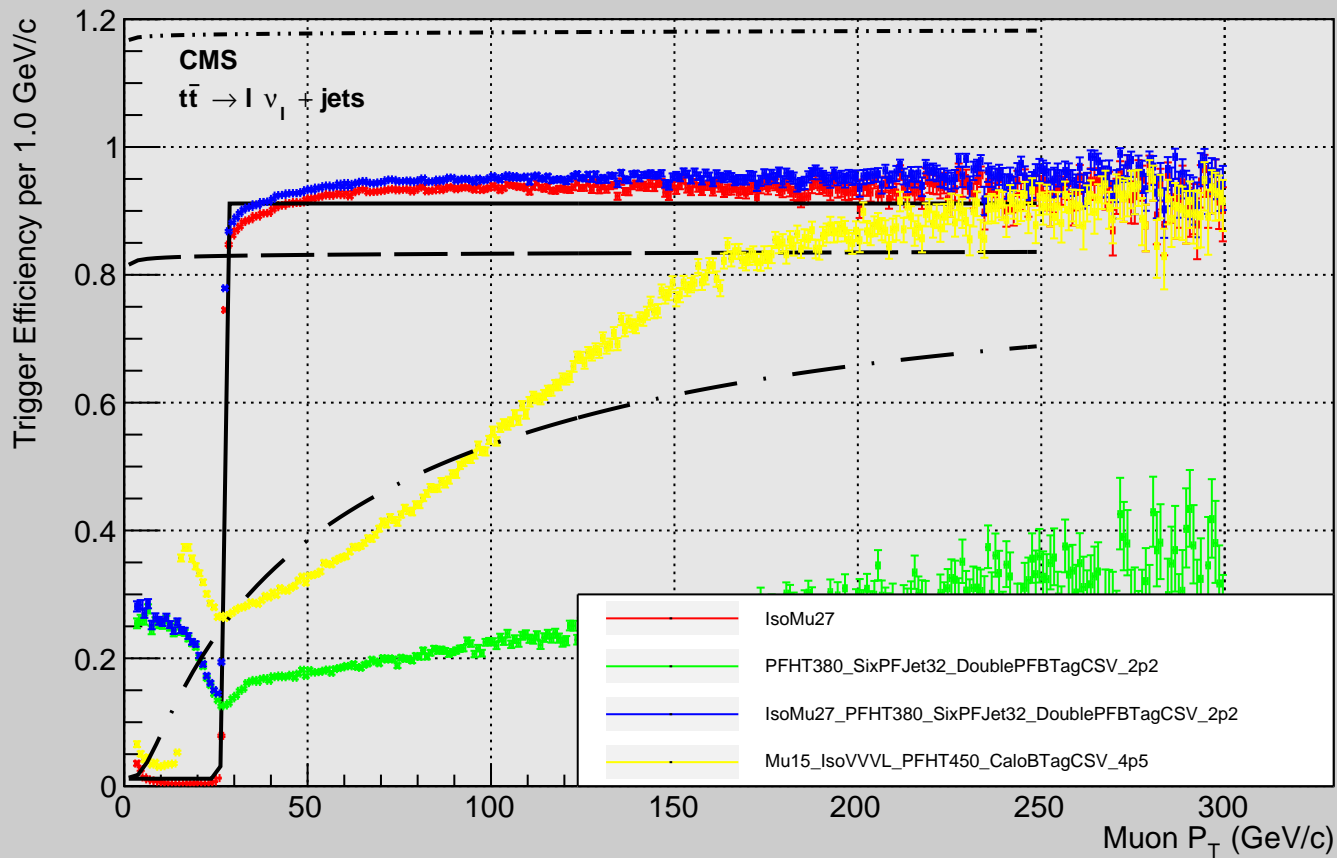


Number of Events per 1 GeV/c

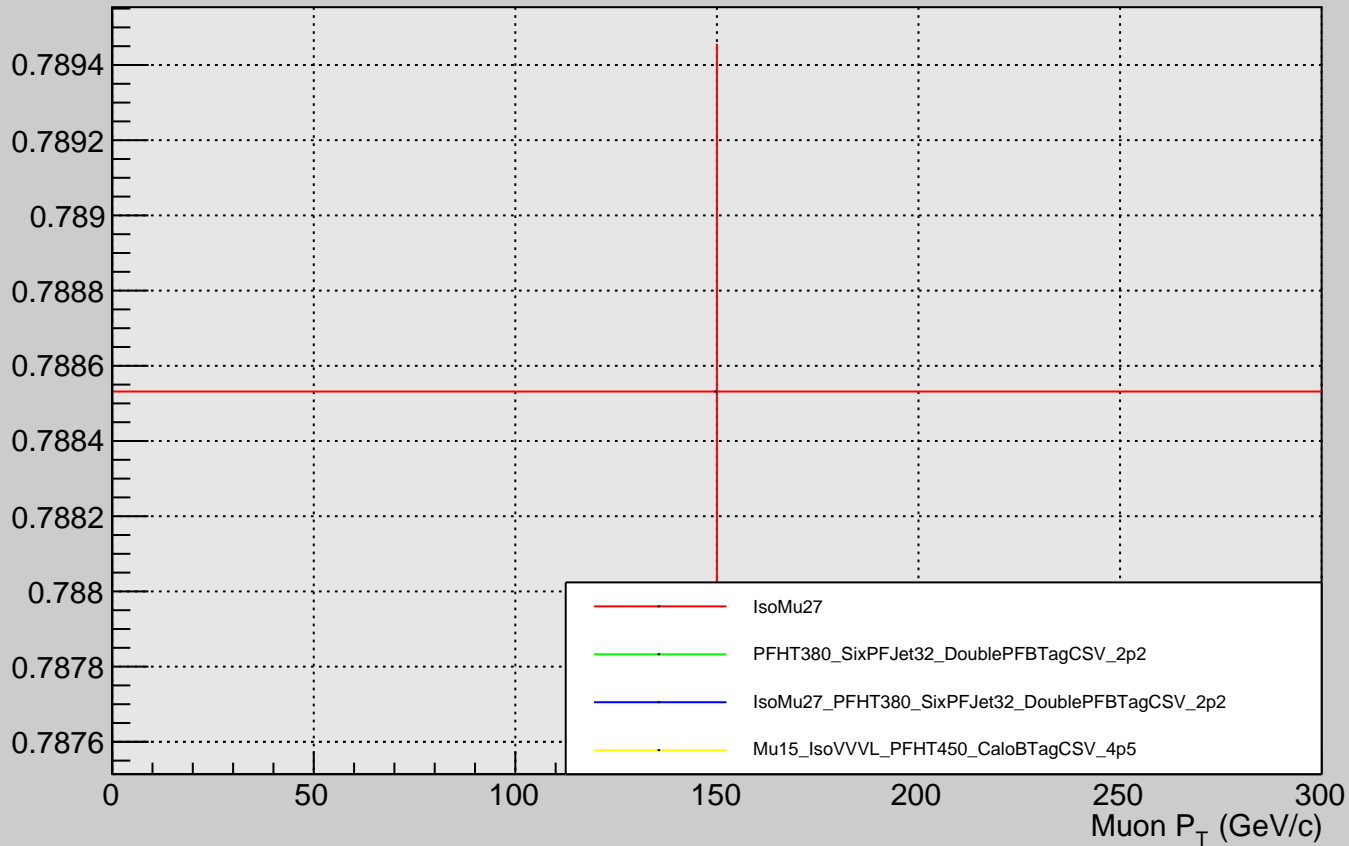


Number of Events per 1 GeV/c

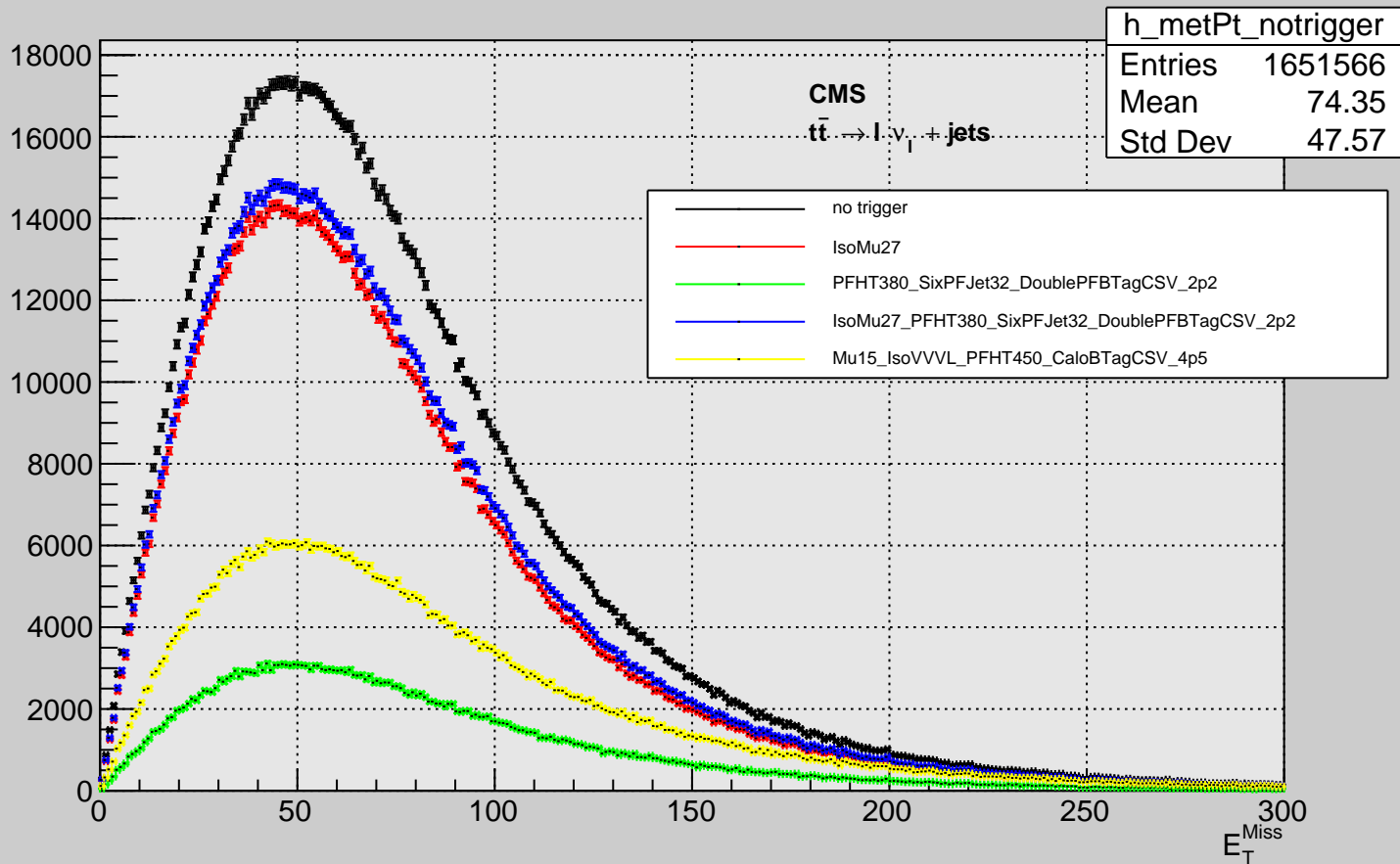


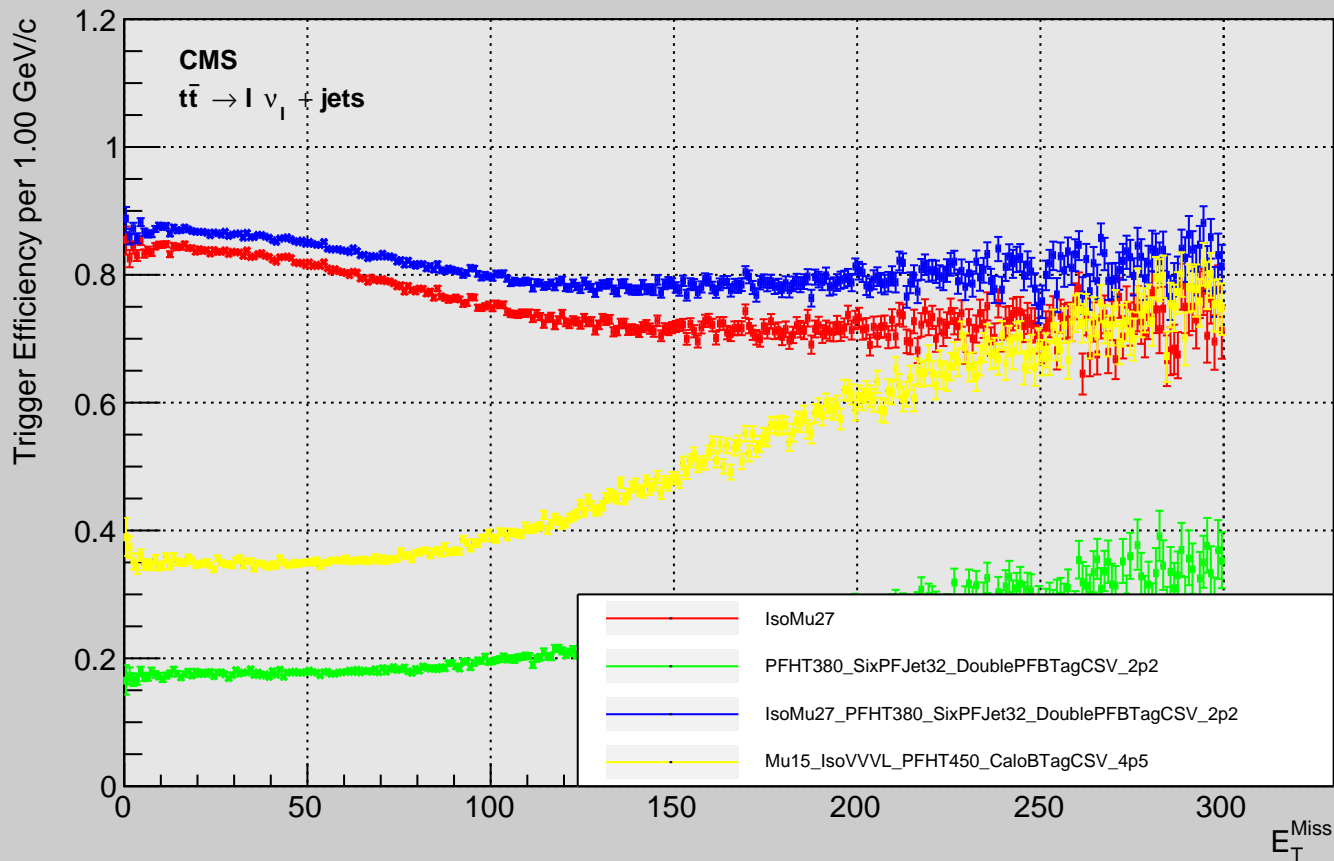


Trigger Efficiency per 500.00 GeV/c

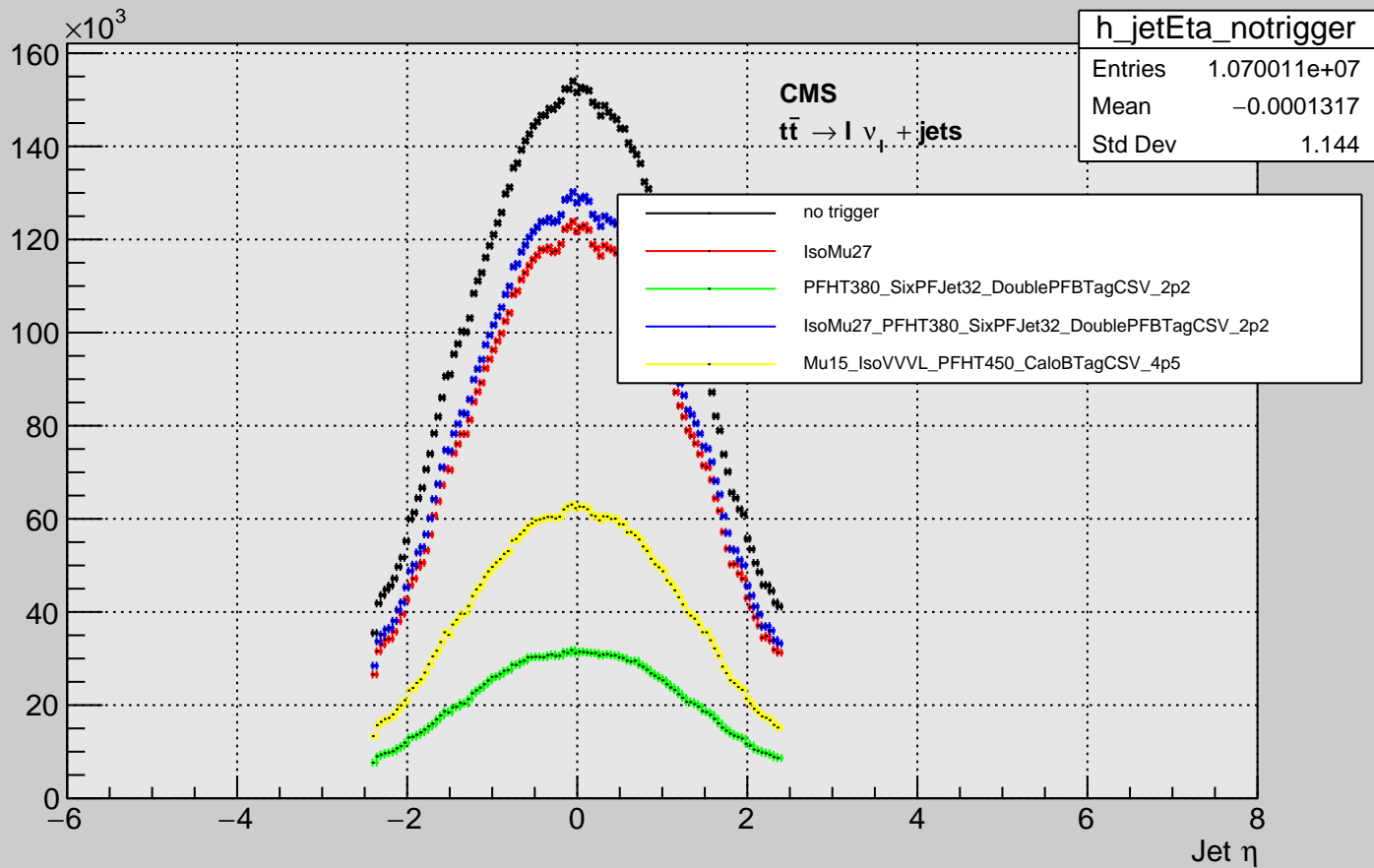


Number of Events per 1 GeV/c





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



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

