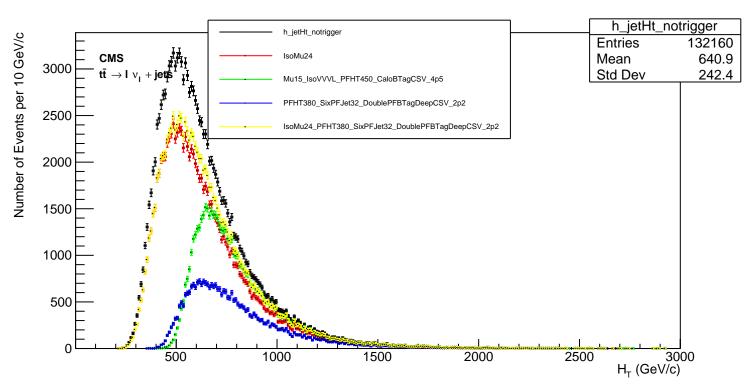
## On-line (pre-)selection Requisites for:

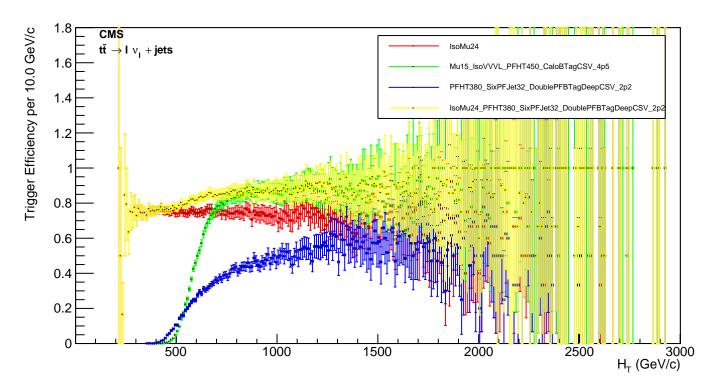
- **Jets**: number > 5
- Muons: number >0 and has softld

## **Event Limit:** None (see last page)

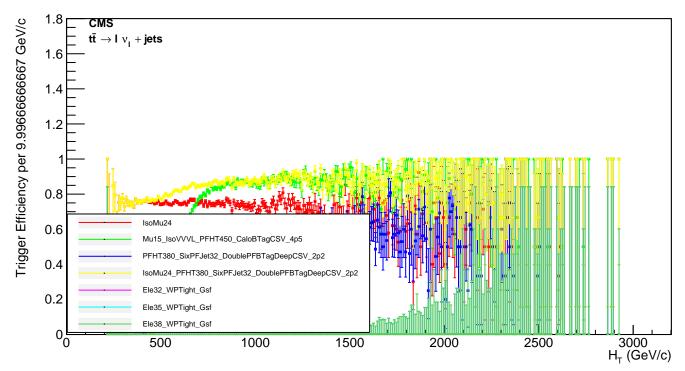
## Off-line (post-)selection Requisites for:

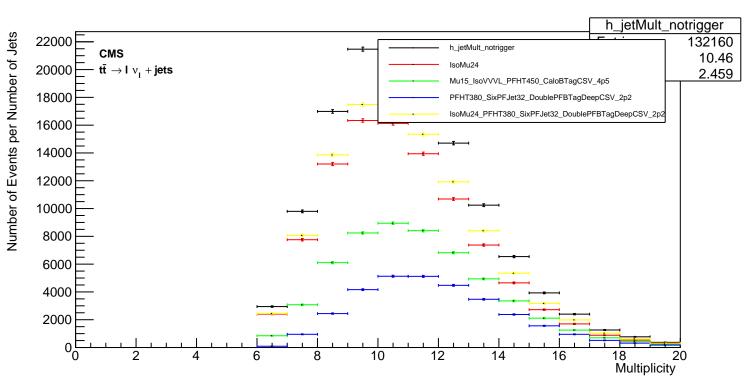
- **Jets:** jetId > 2 ,  $p_{-}$  > 30 and  $|\eta|$  < 2.4 (for at least 6)
  - btagDeepFlavB > 0.7489 (for at least one jet)
  - Muons: has tightld, |n|<2.4 and miniPFRellso all<0.15 (for at least 1)

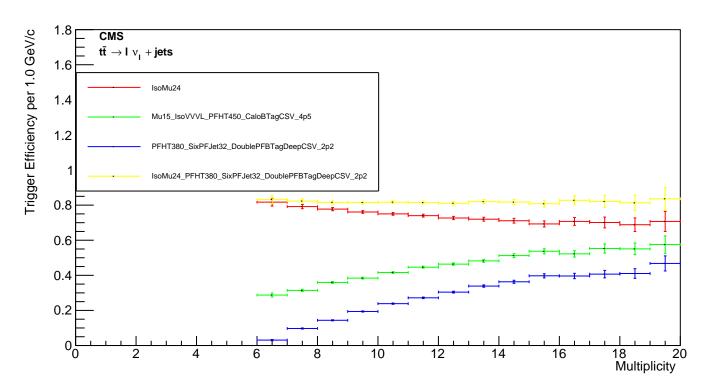


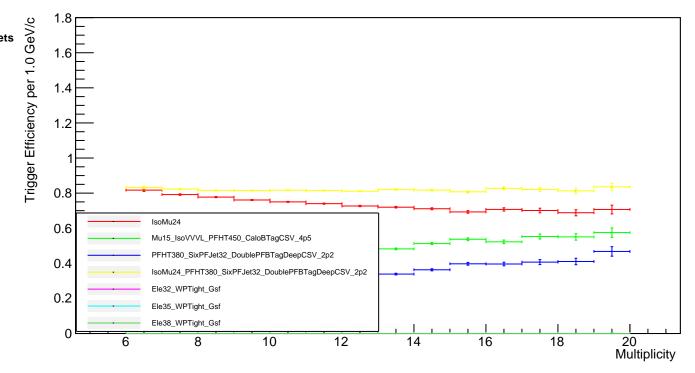


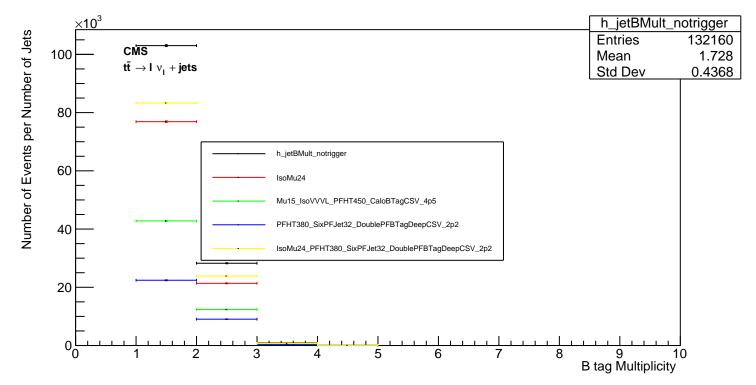
IsoMu24

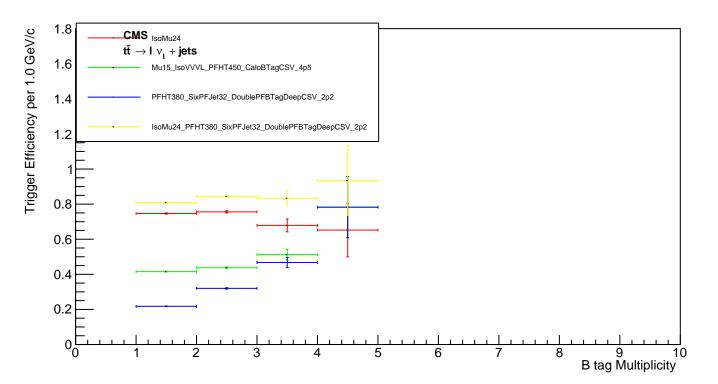


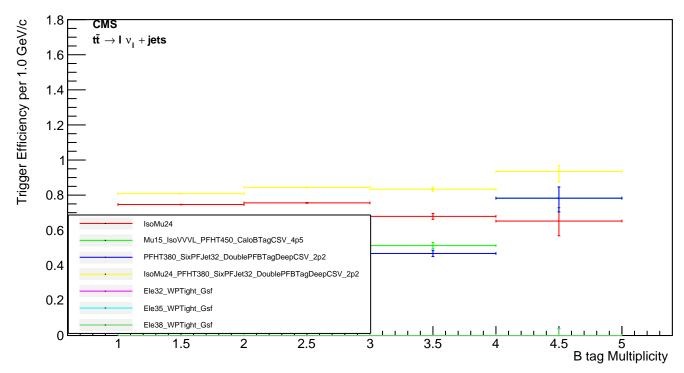


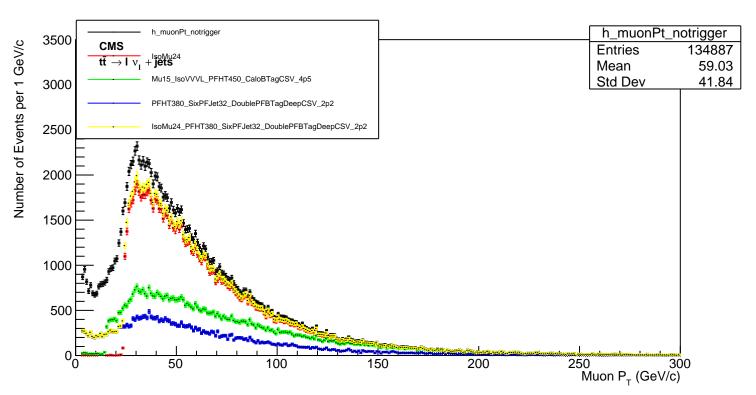


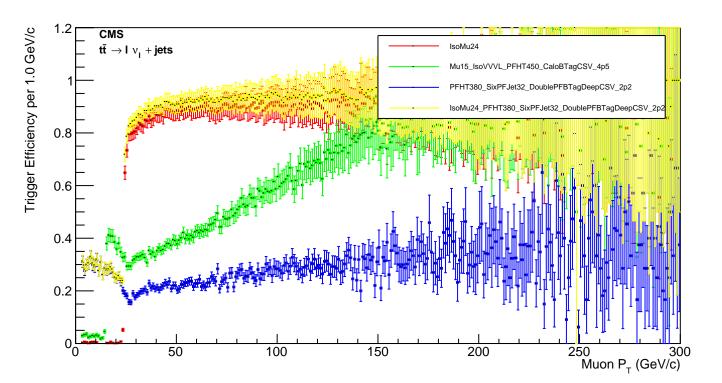


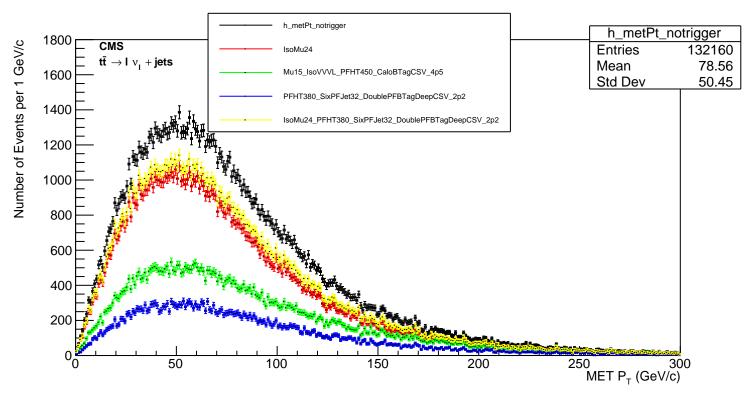


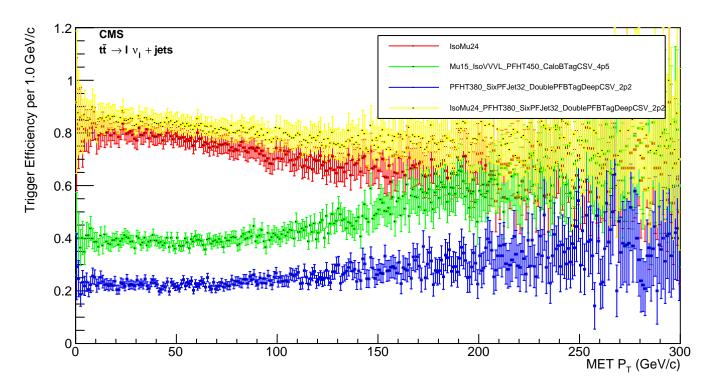


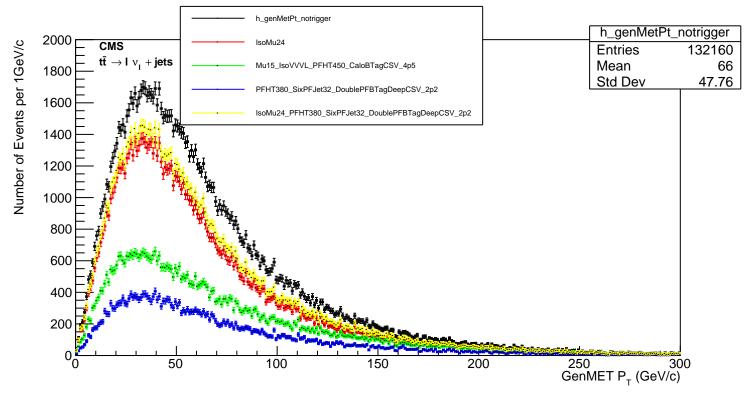


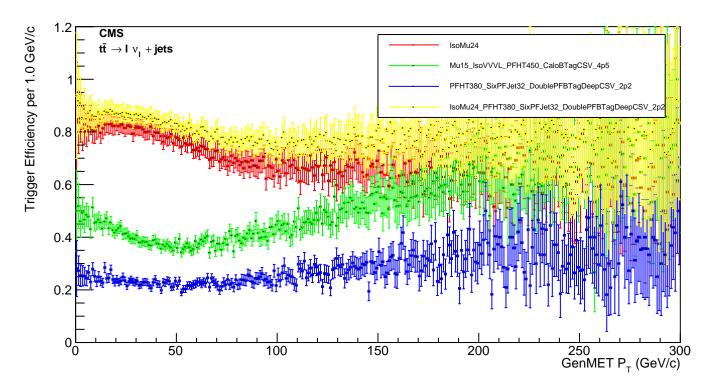


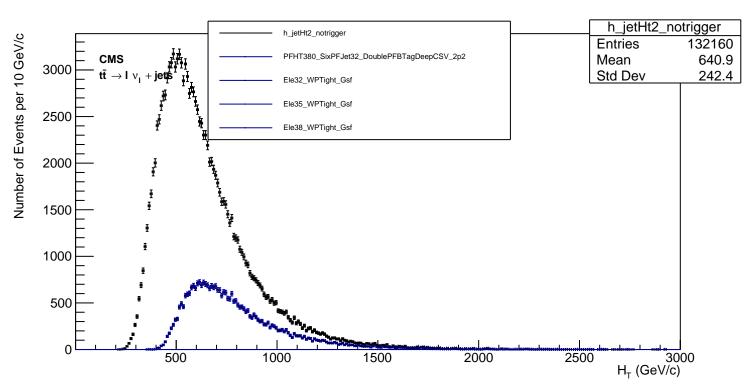


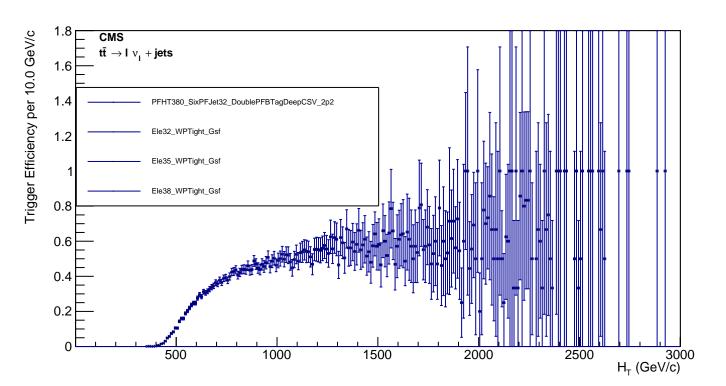


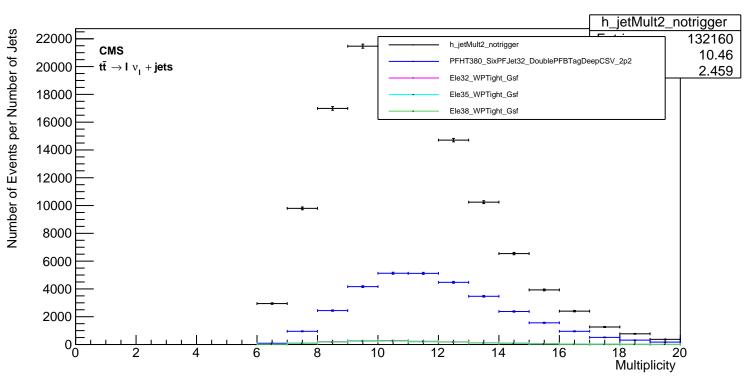


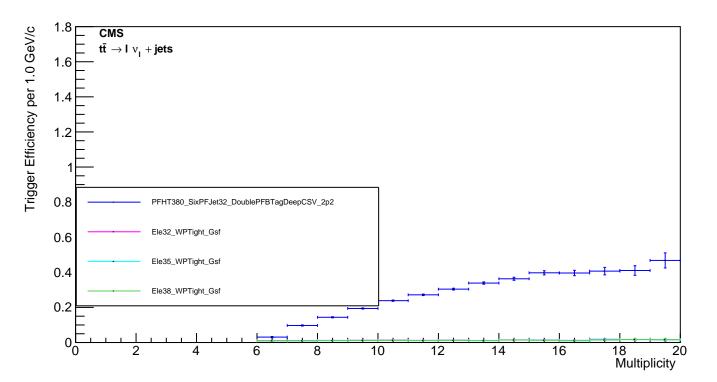


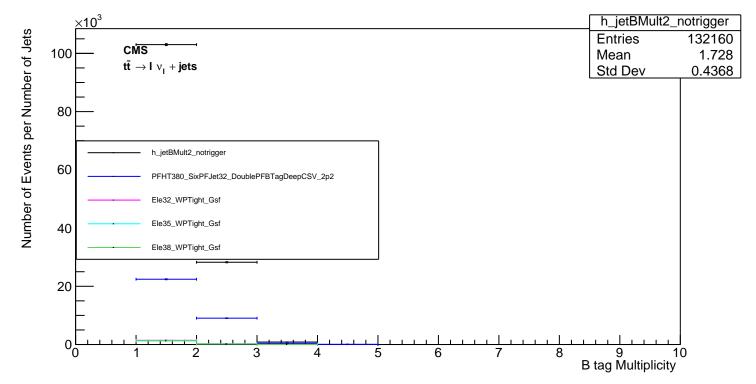


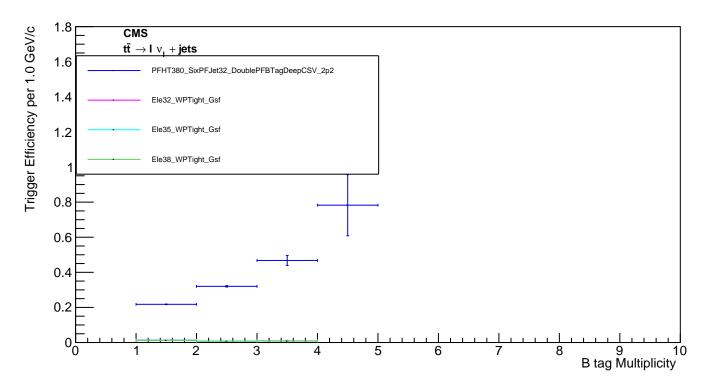




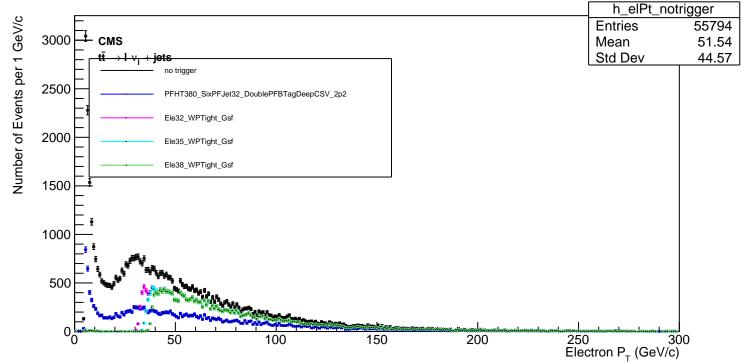


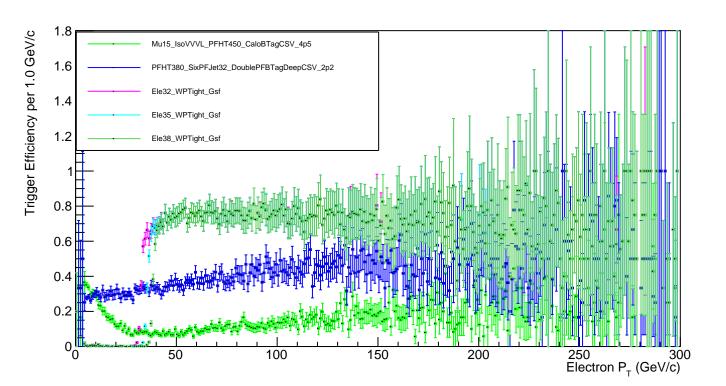


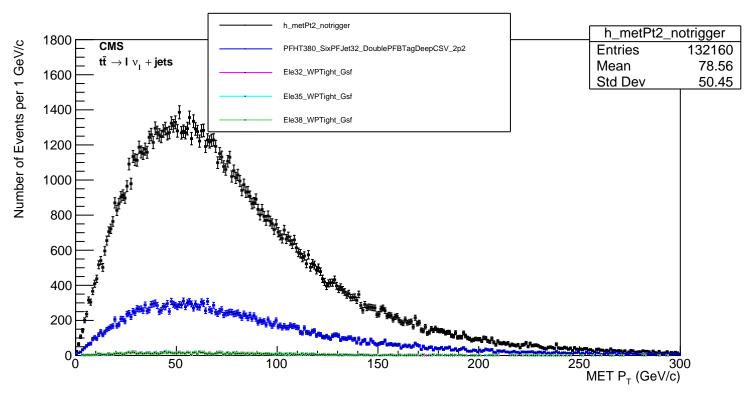


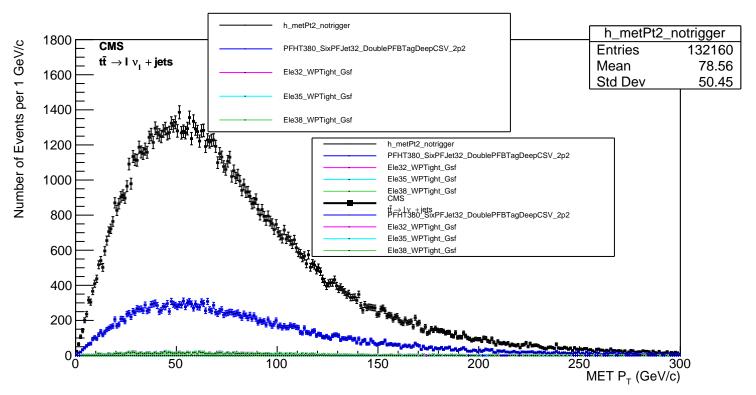


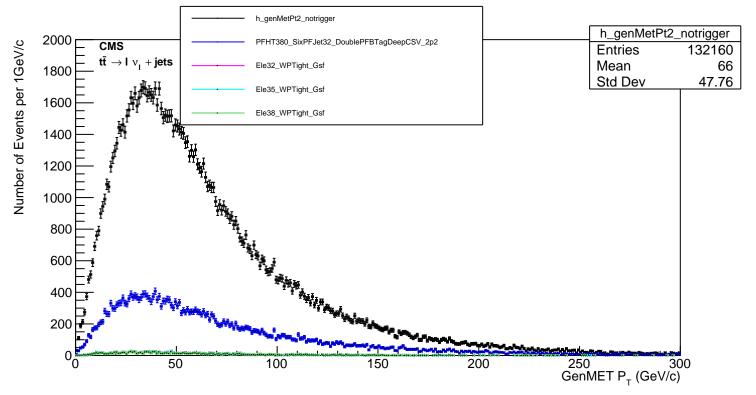
no trigger

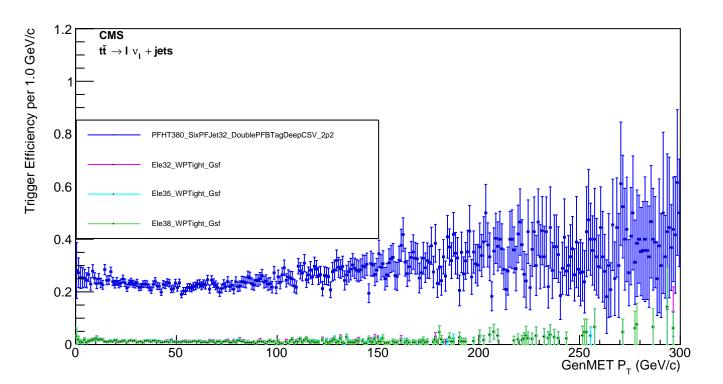


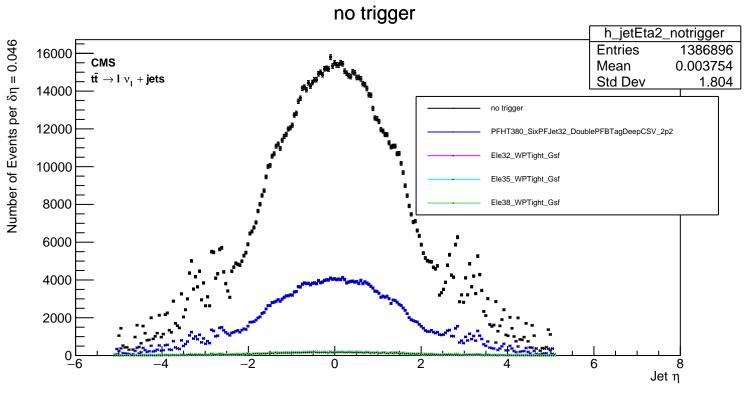


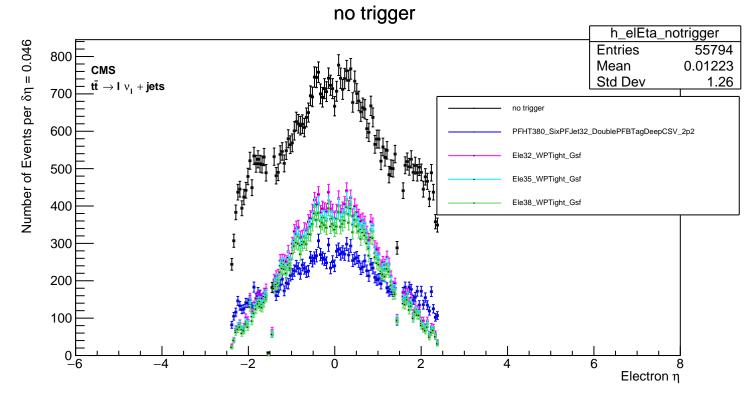












no trigger h\_jetPhi2\_notrigger Number of Events per  $\delta \phi = 0.046$ **Entries** 1386896 CMS Mean -0.007237 $_{f t}$  ightarrow I  $u_{f l}$  + jets Std Dev 1.811 10000 8000 no trigger PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2 6000 Ele32\_WPTight\_Gsf Ele35\_WPTight\_Gsf 4000 Ele38\_WPTight\_Gsf والمنازع أوالمرام والمنازع والمنازع والمنازعة والمنازعة والمنازع والمنازع والمنازع والمنازع والمنازع 2000 0<u></u>6 Jet φ

