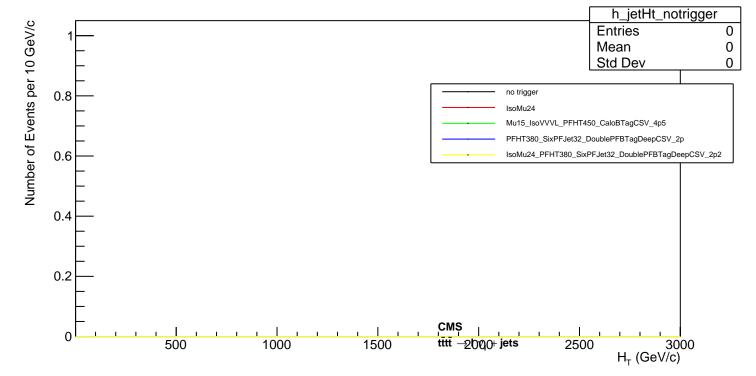
On-line (pre-)selection Requisites for:

- **Jets**: number > 5
- Muons: number >0
- Electrons: number >0 **Event Limit:** None (see last page)

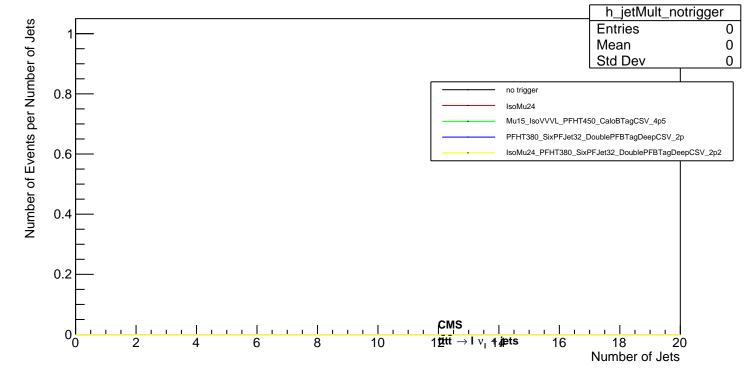
Off-line (post-)selection Requisites for:

- **Jets:** 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)

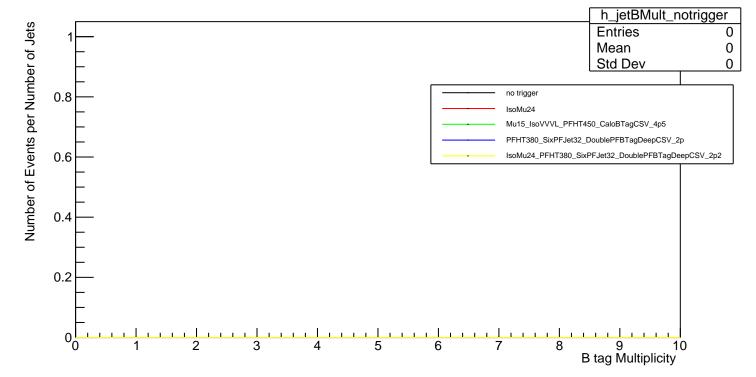






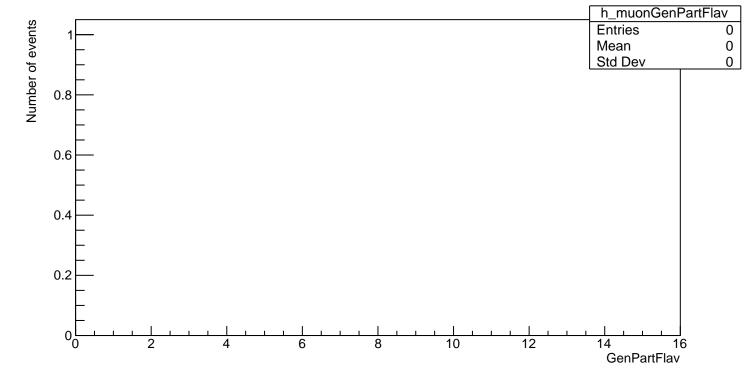
CMS
$$t\overline{t}t\overline{t} \rightarrow \textbf{I} \ \nu_{_{\textbf{I}}} + \textbf{jets}$$

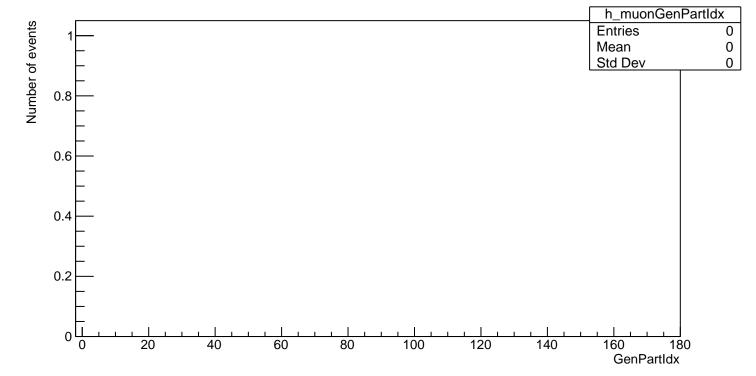


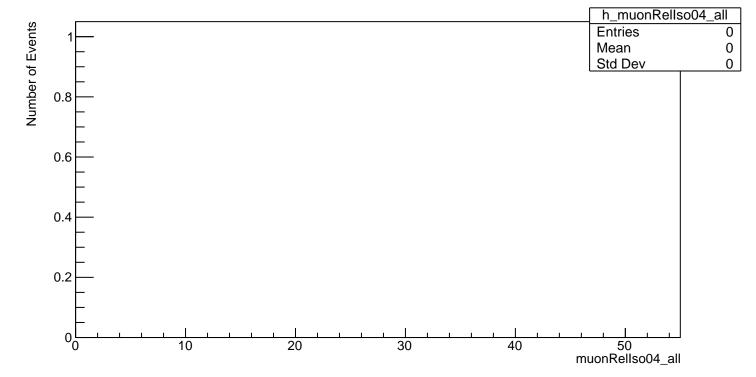


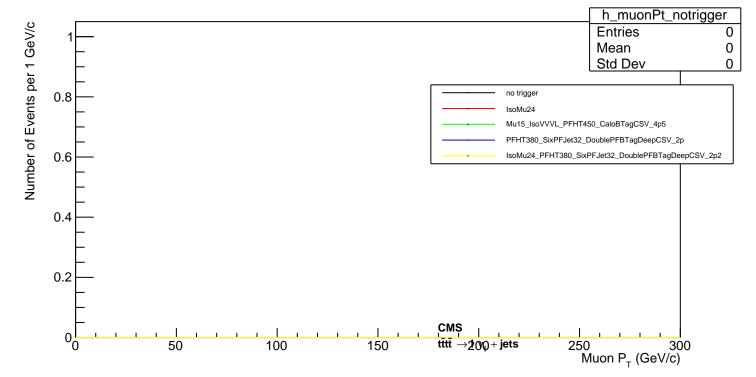
 $\begin{array}{l} \text{CMS} \\ \text{t\bar{t}t\bar{t}} \rightarrow \text{I} \ \nu_{_{\text{I}}} + \text{jets} \end{array}$

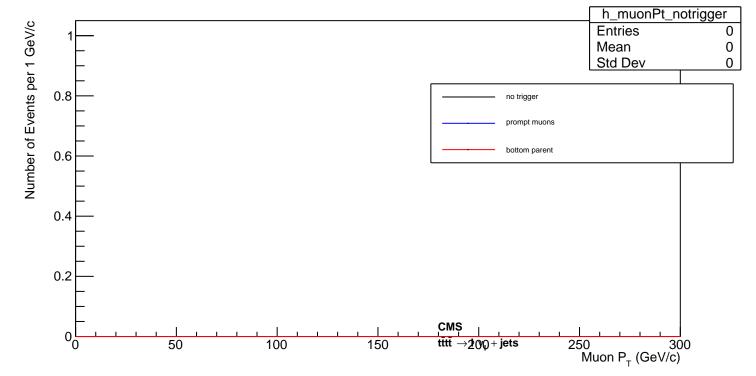




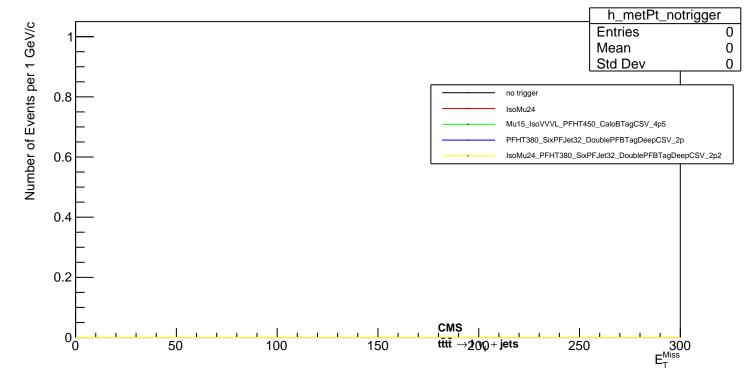




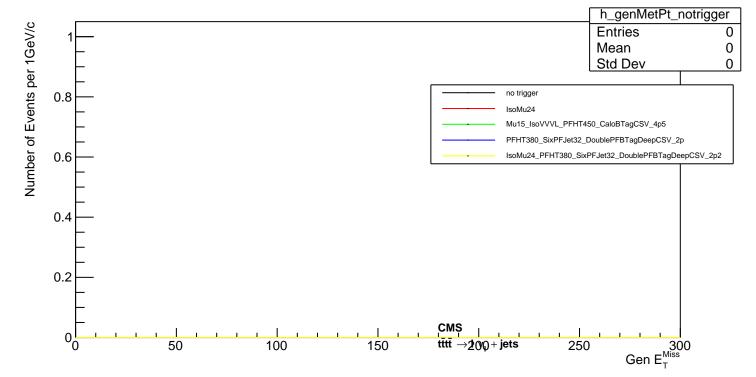




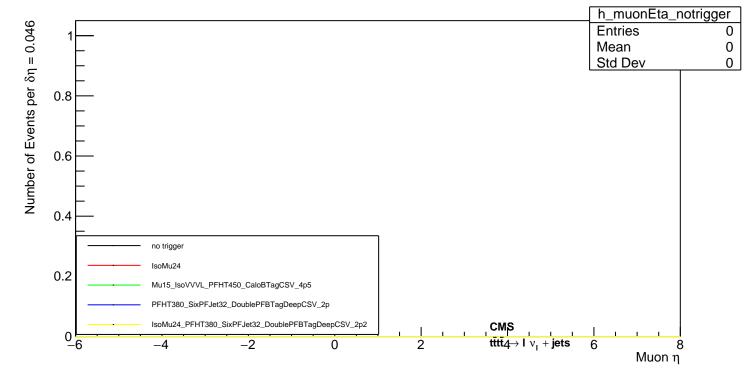












CMS
$$t\bar{t}t\bar{t} \to \textbf{I} \ \nu_{\textbf{I}} + \textbf{jets}$$



