

On-line (pre-)selection Requisites for:

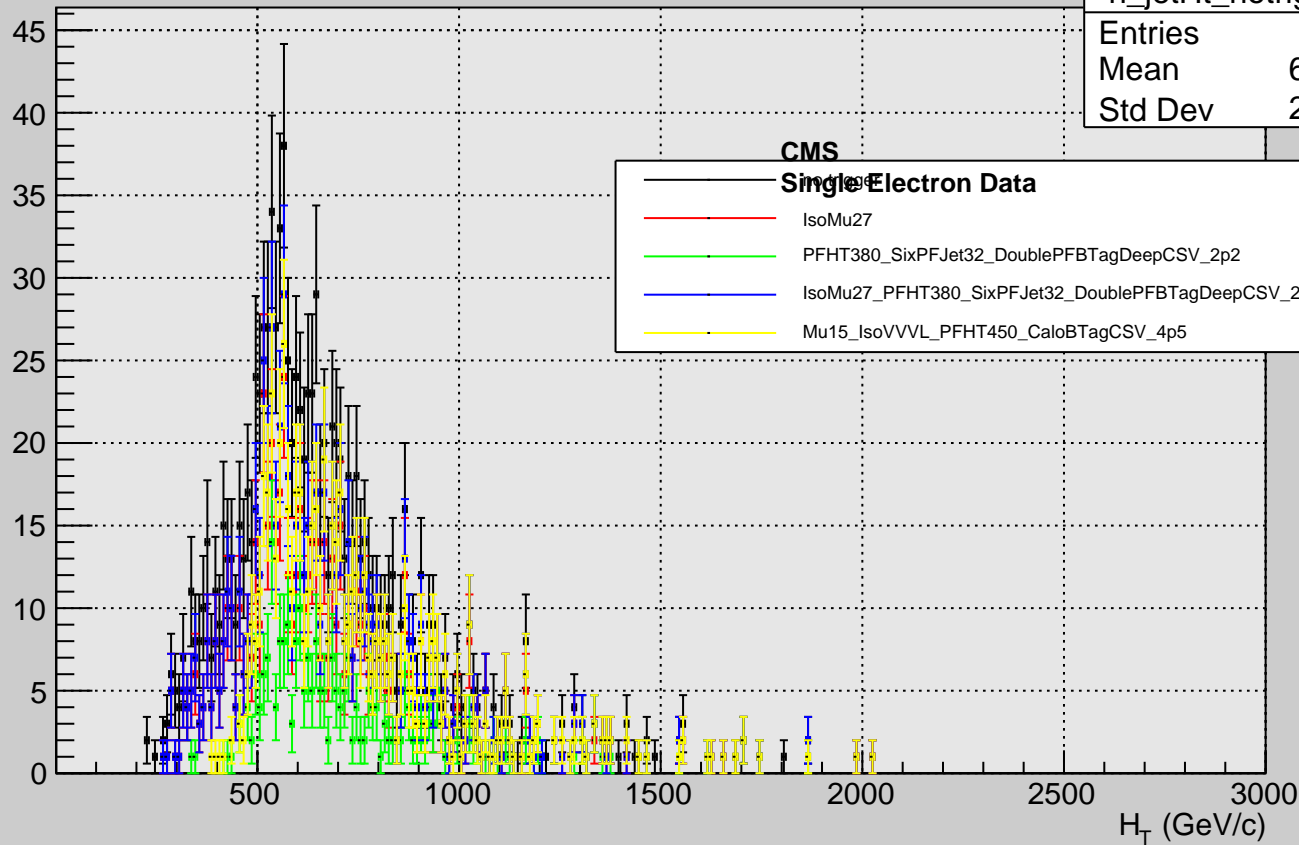
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

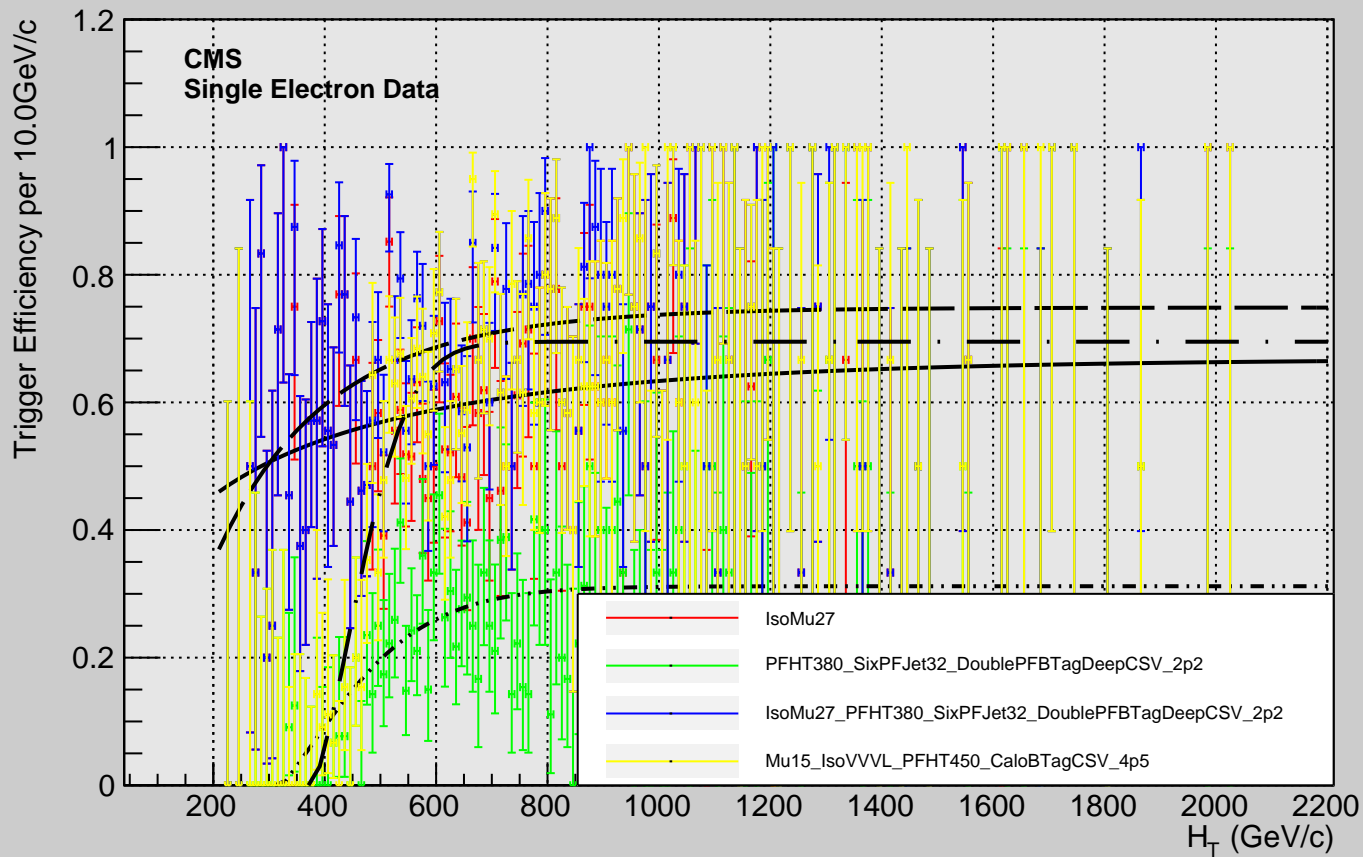
Event Limit: None (see last page)

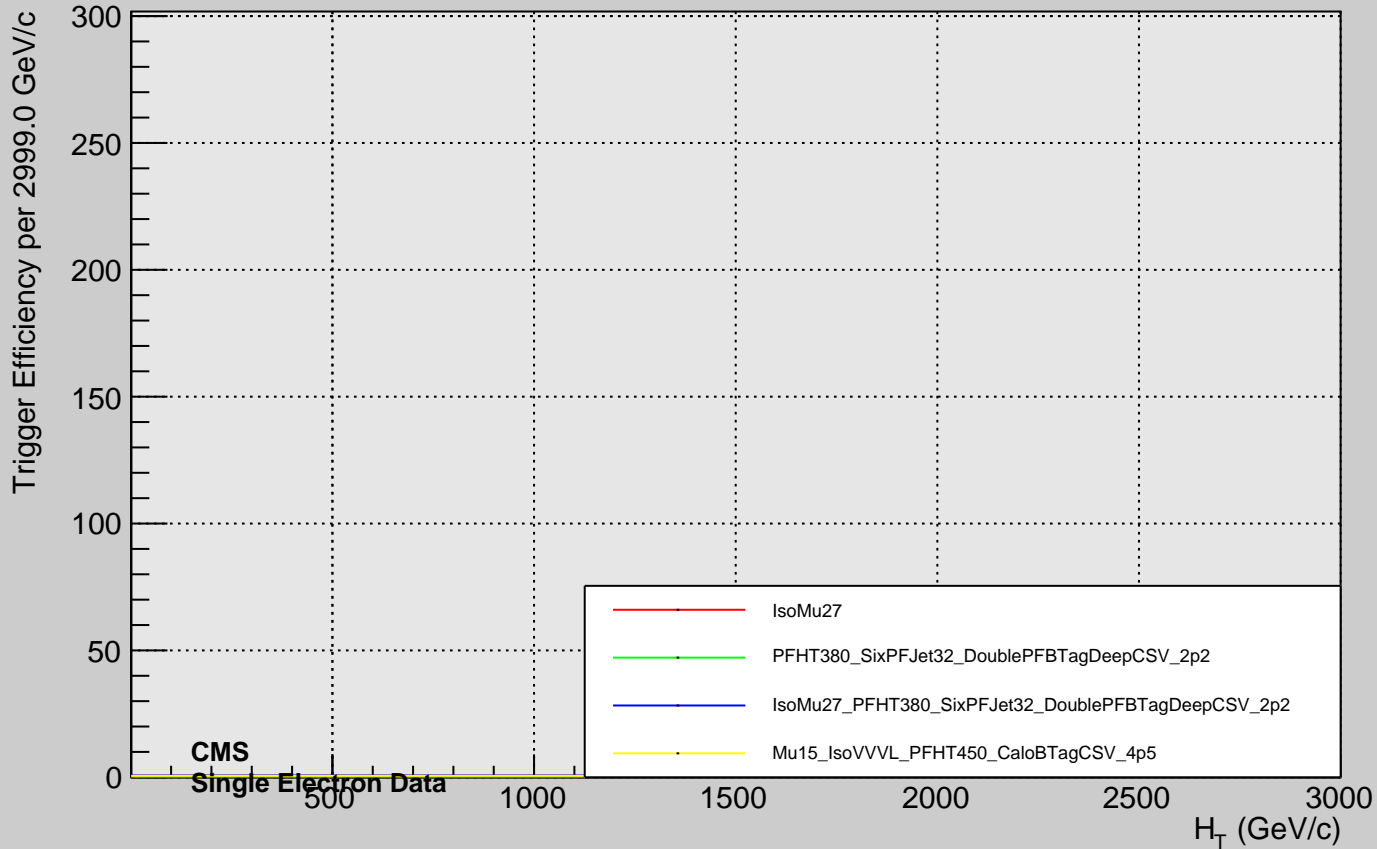
Off-line (post-)selection Requisites for:

- **Jets:** $\text{jetId} > 2$, $p_{\text{T}} > 30$ 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 $\text{miniPFRellso_all} < 0.15$ (for at least 1)

Number of Events per 10 GeV/c







Number of Events per Number of Jets

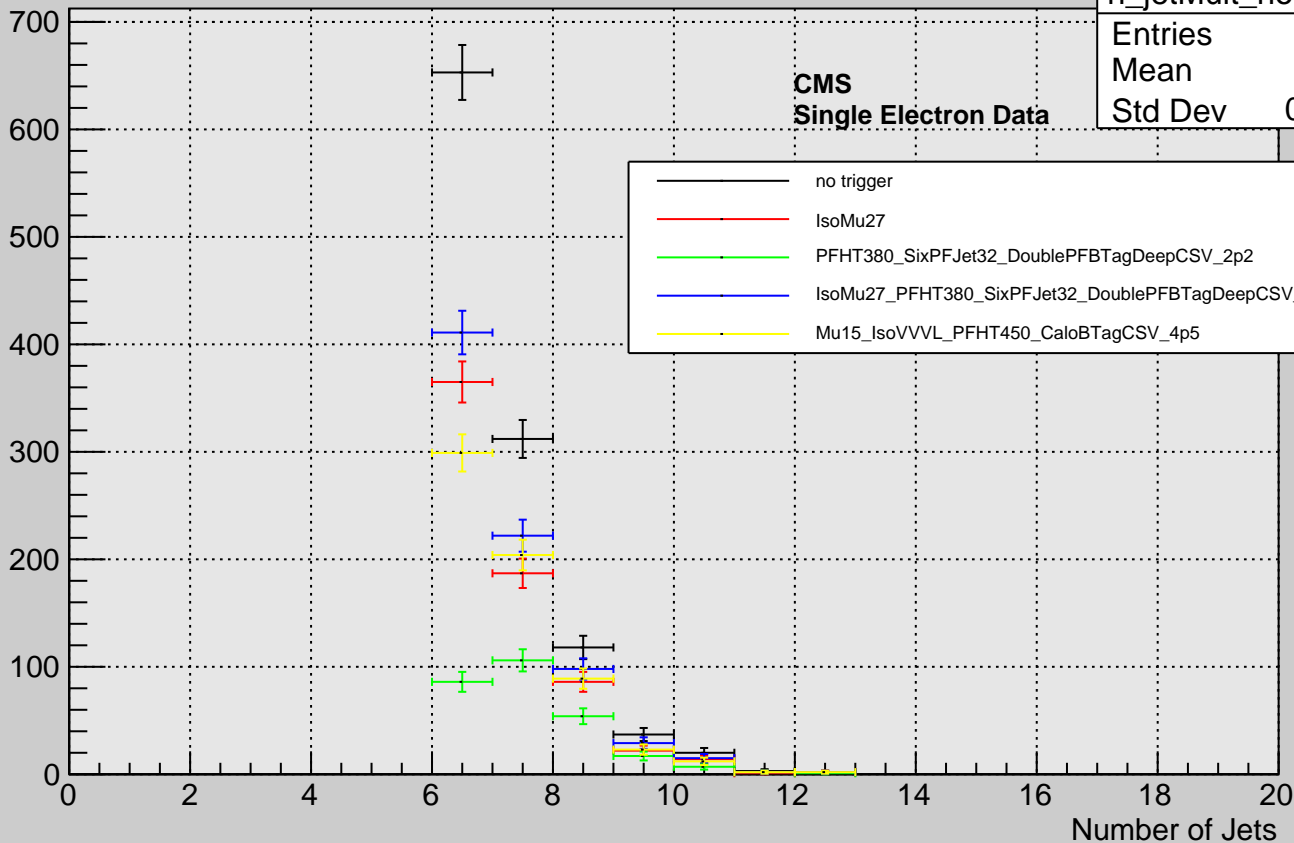
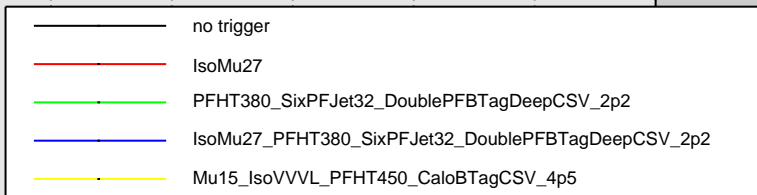
CMS
Single Electron Data

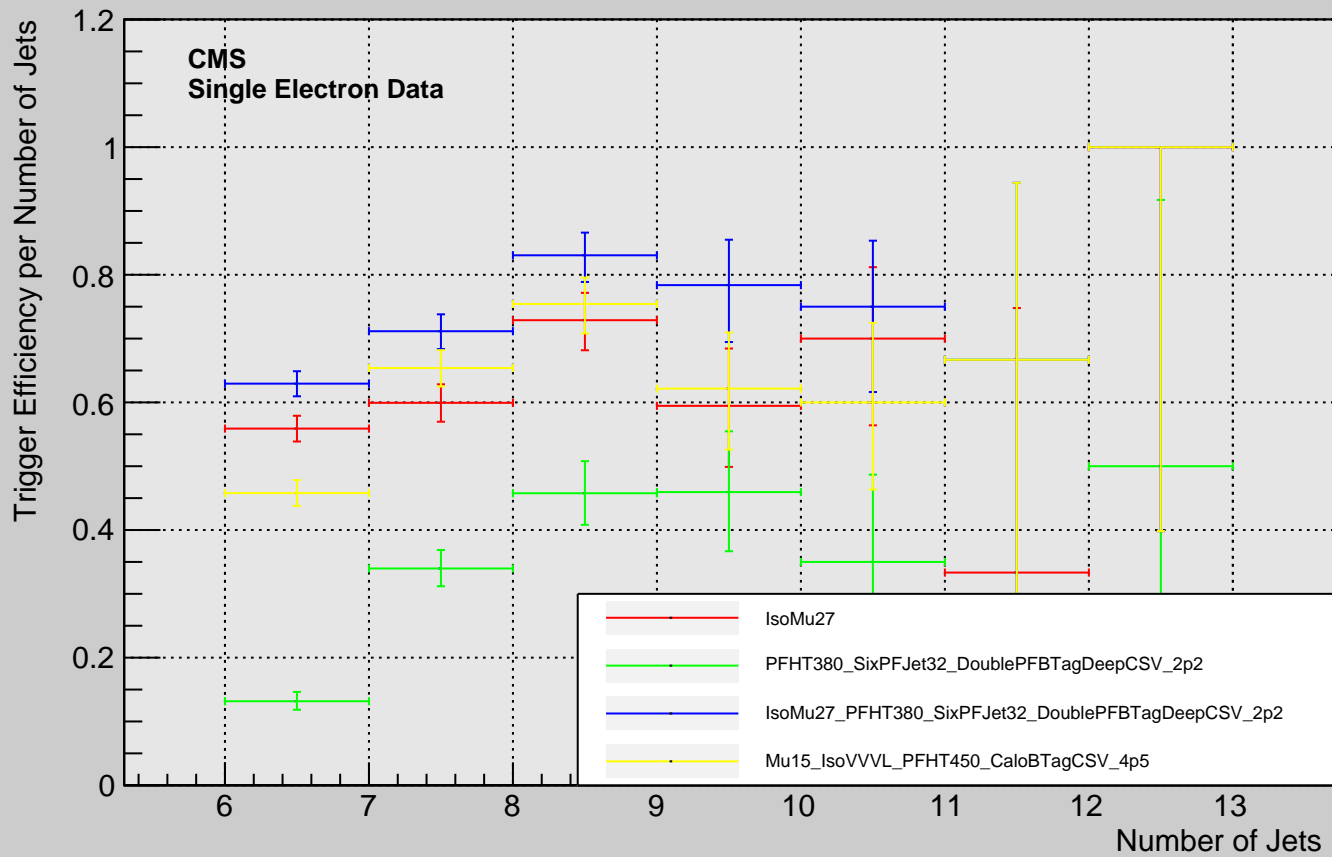
h_jetMult_notrigger

Entries 1145

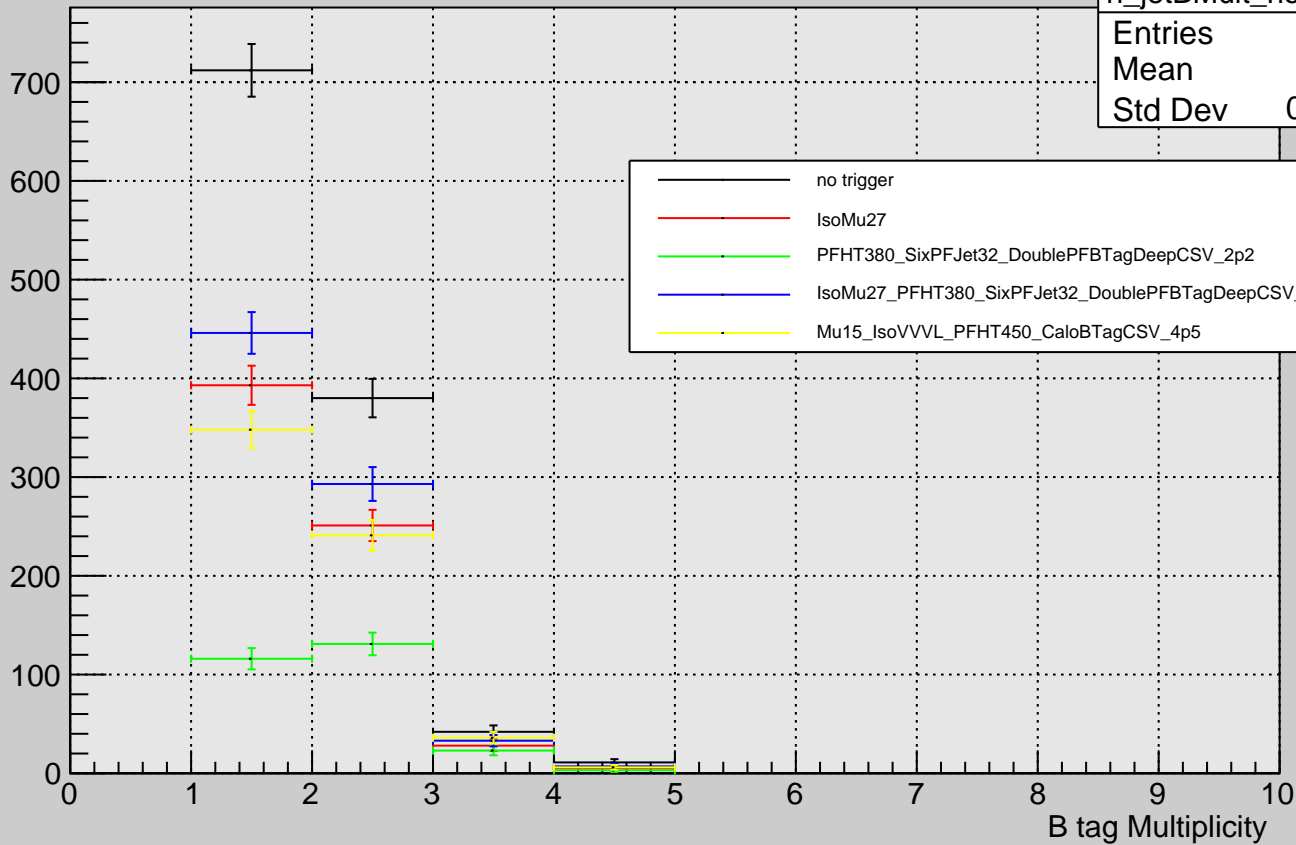
Mean 6.669

Std Dev 0.9674





Number of Events per Number of Jets



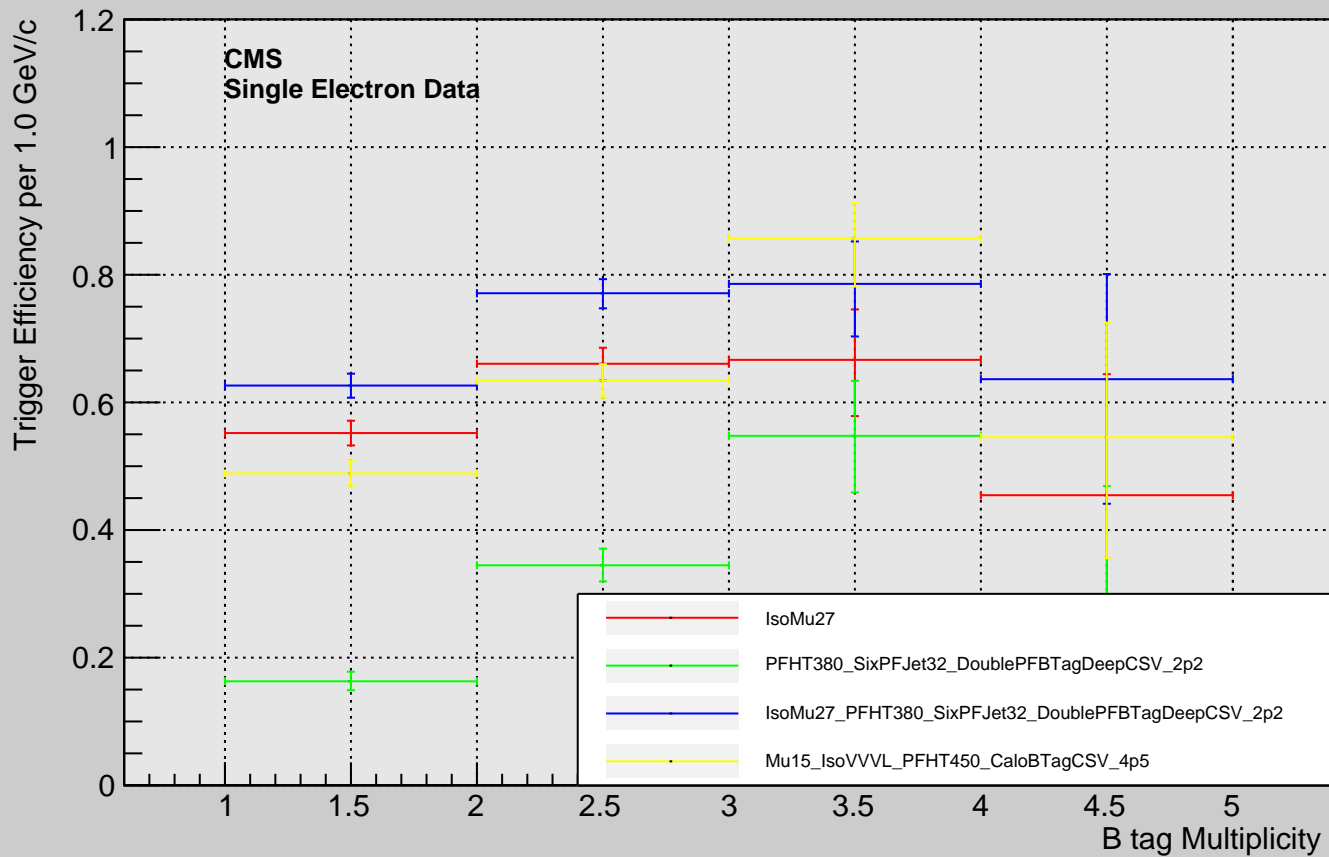
h_jetBMult_notrigger

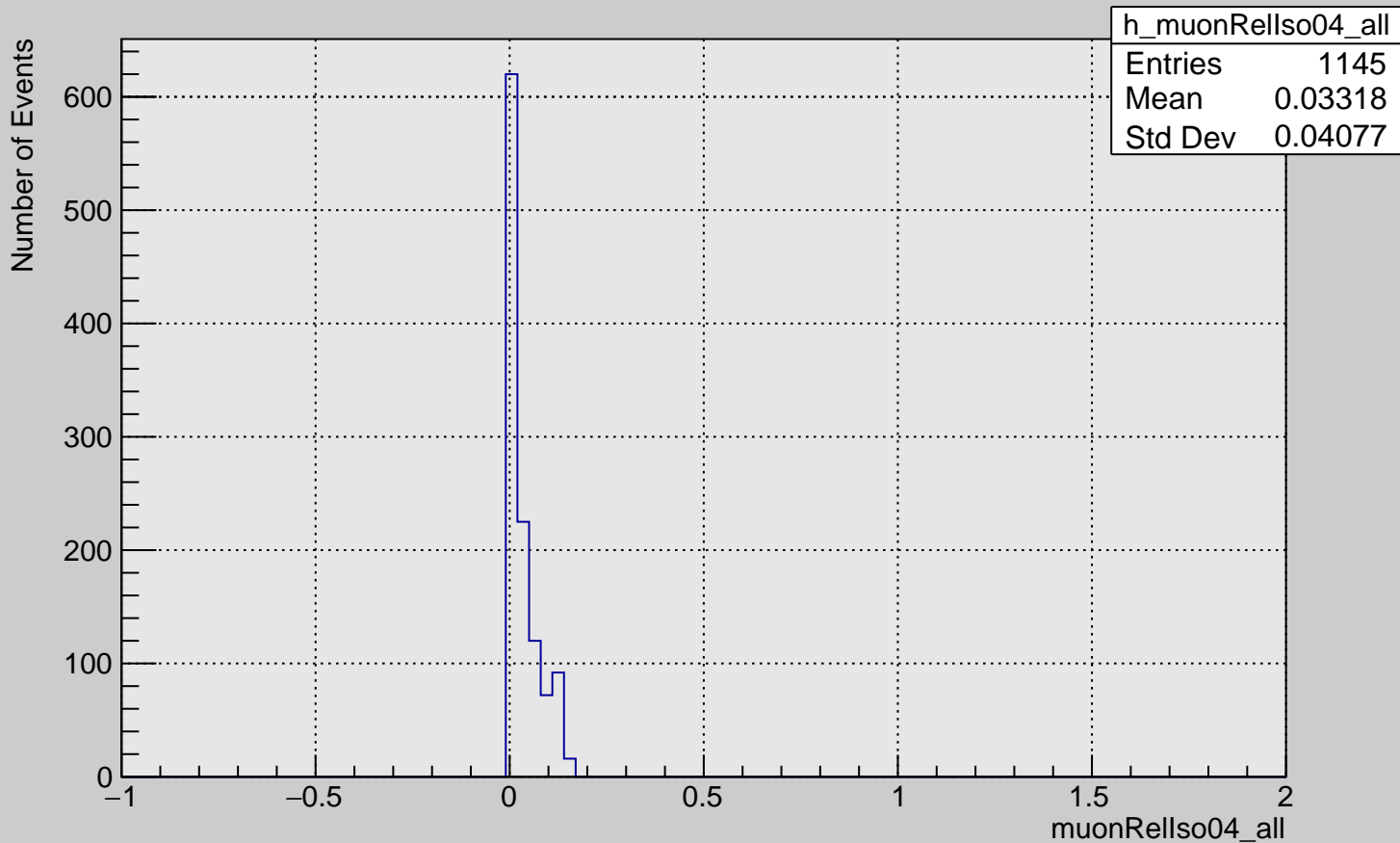
Entries 1145

Mean 1.934

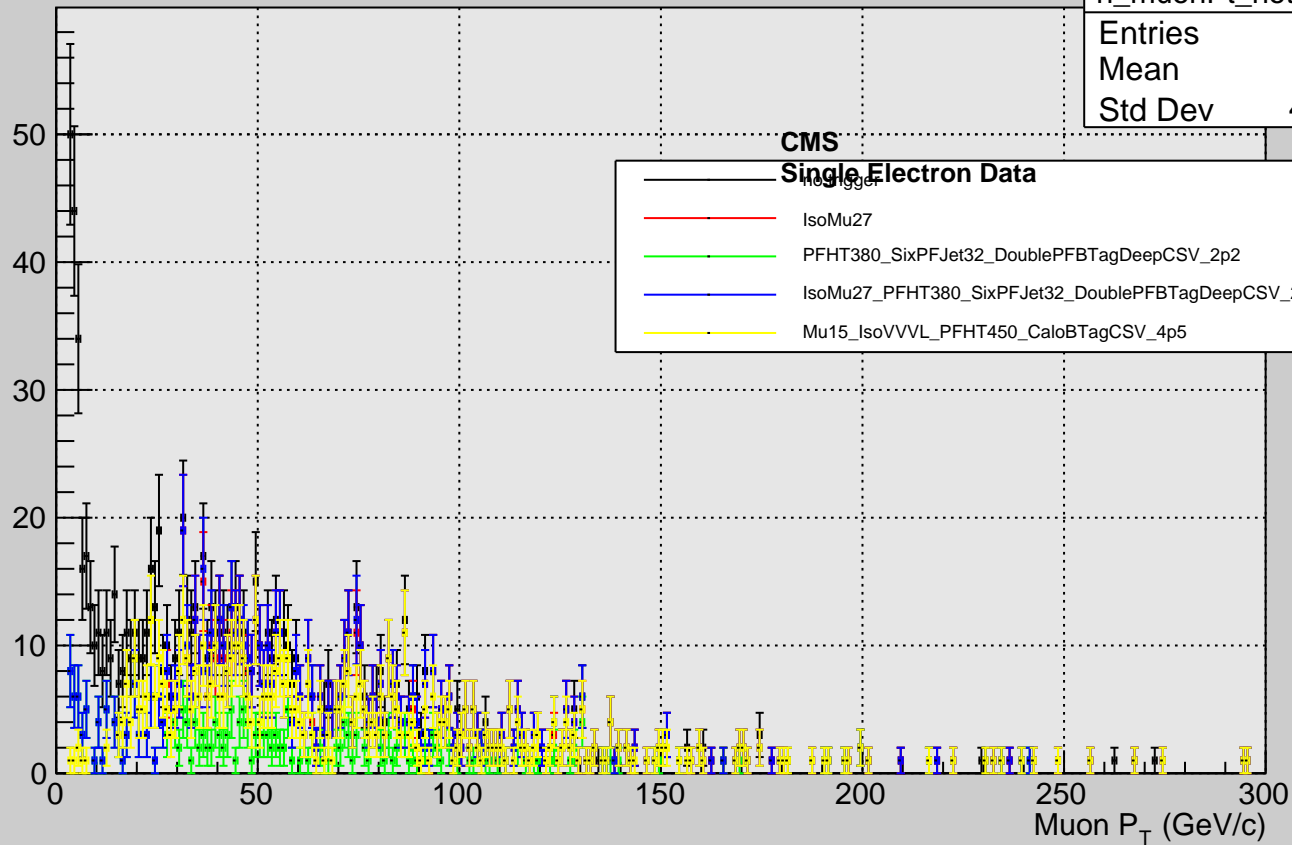
Std Dev 0.6137

- no trigger
- IsoMu27
- PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

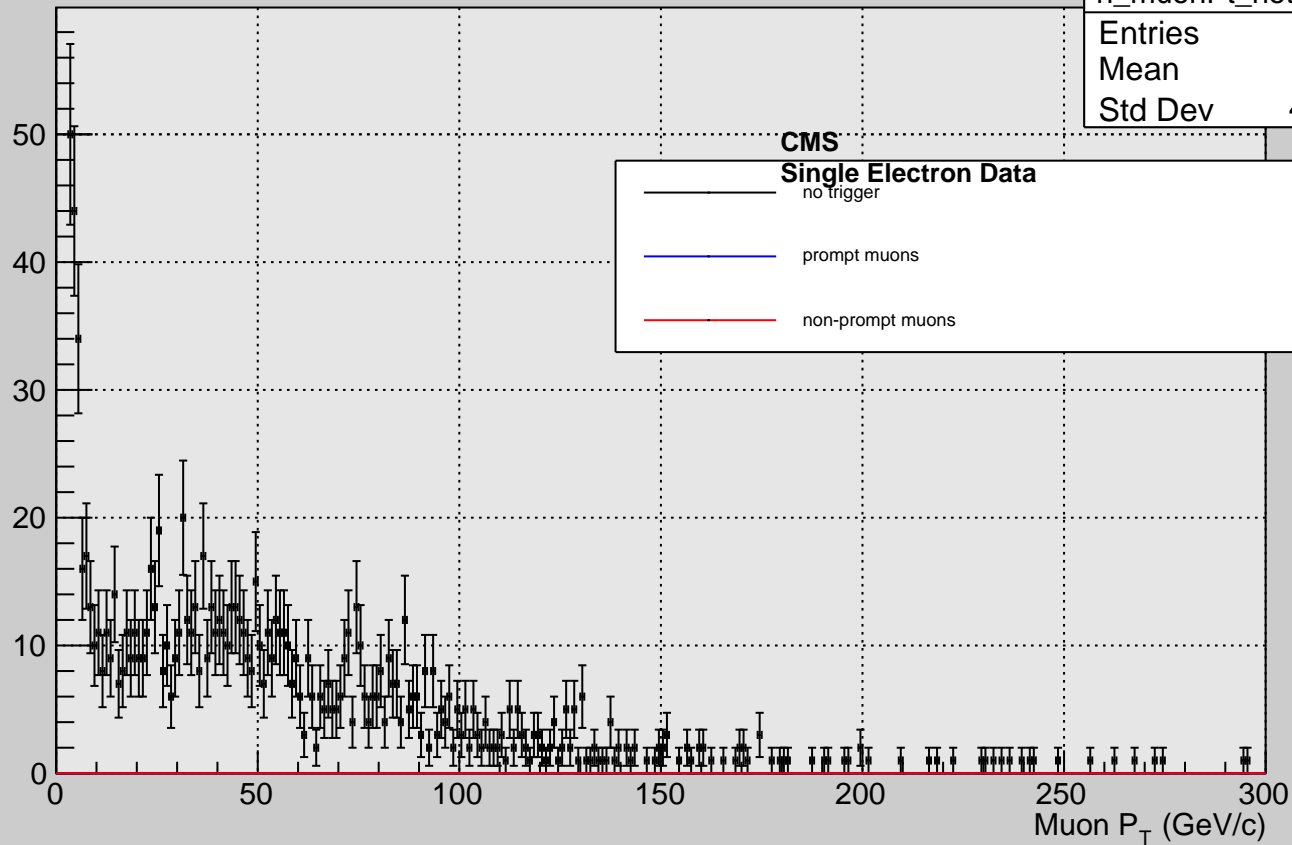




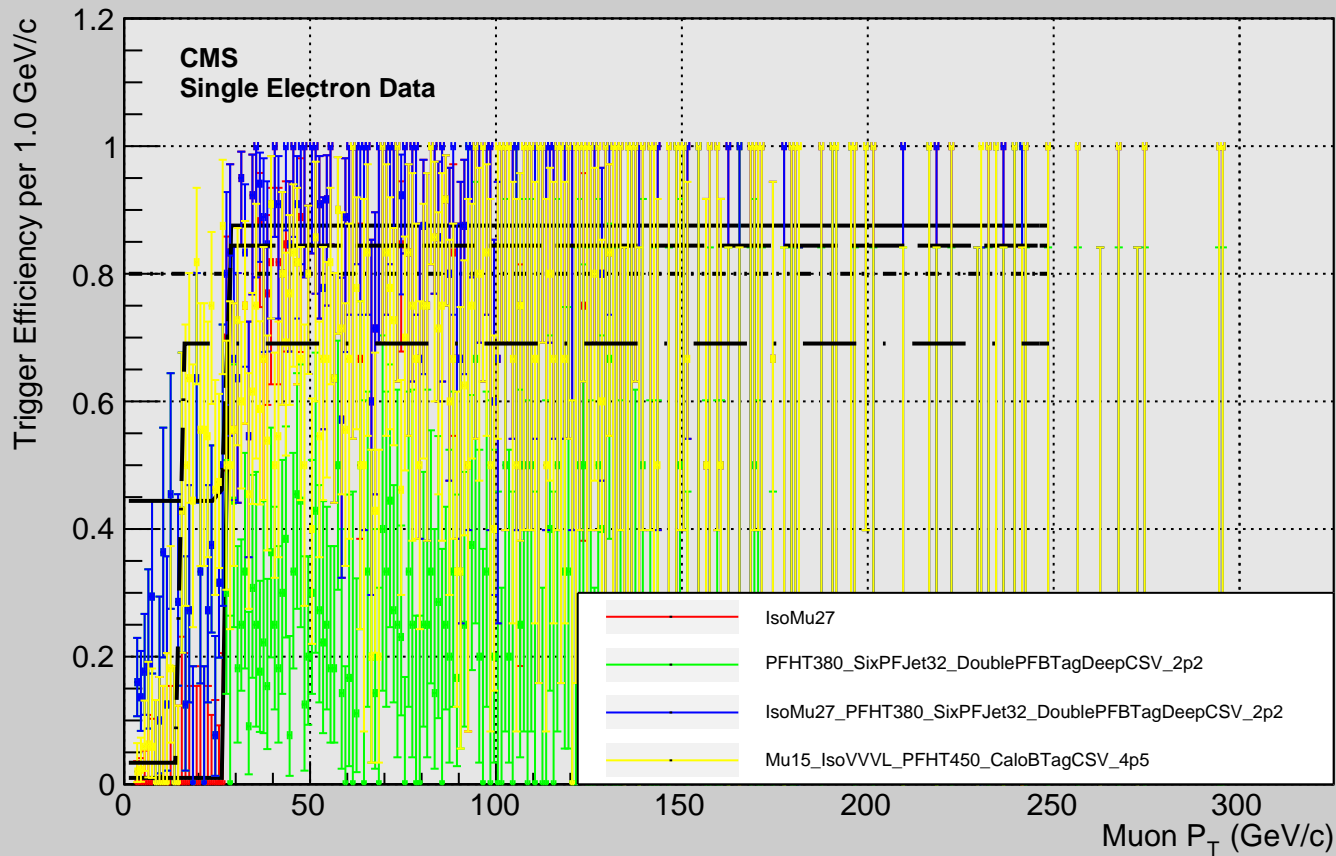
Number of Events per 1 GeV/c



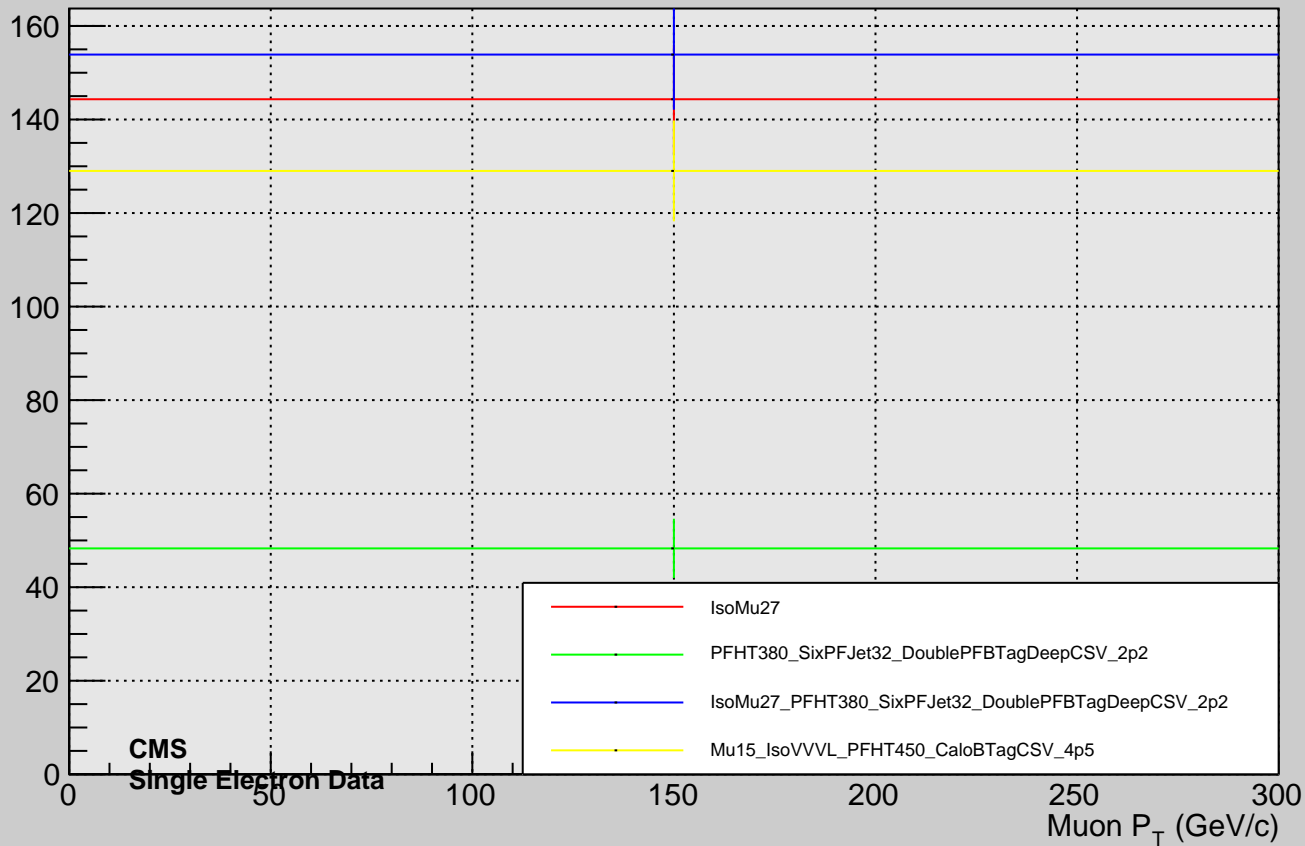
Number of Events per 1 GeV/c



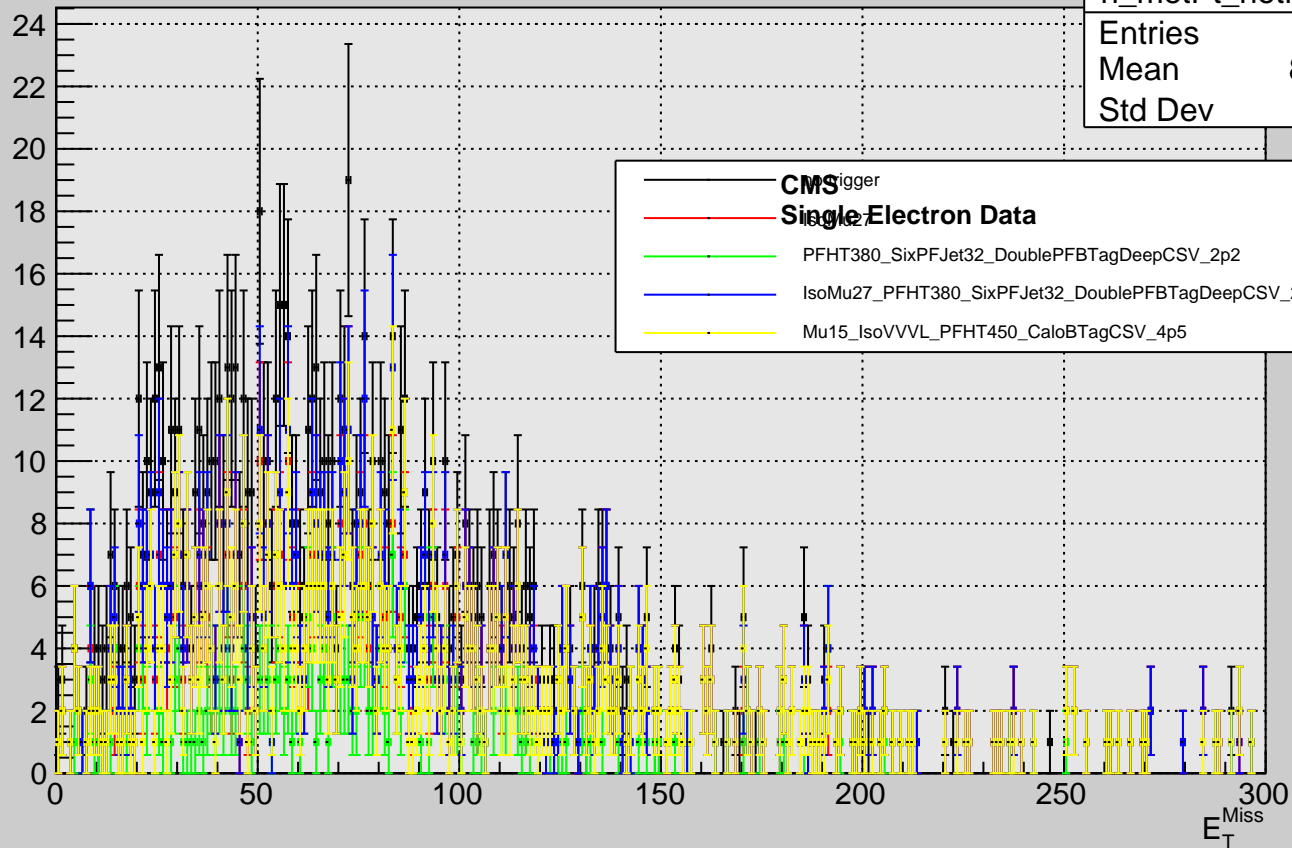
h_muonPt_notrigger	
Entries	1145
Mean	56
Std Dev	48.55



Trigger Efficiency per 1.00 GeV/c



Number of Events per 1 GeV/c

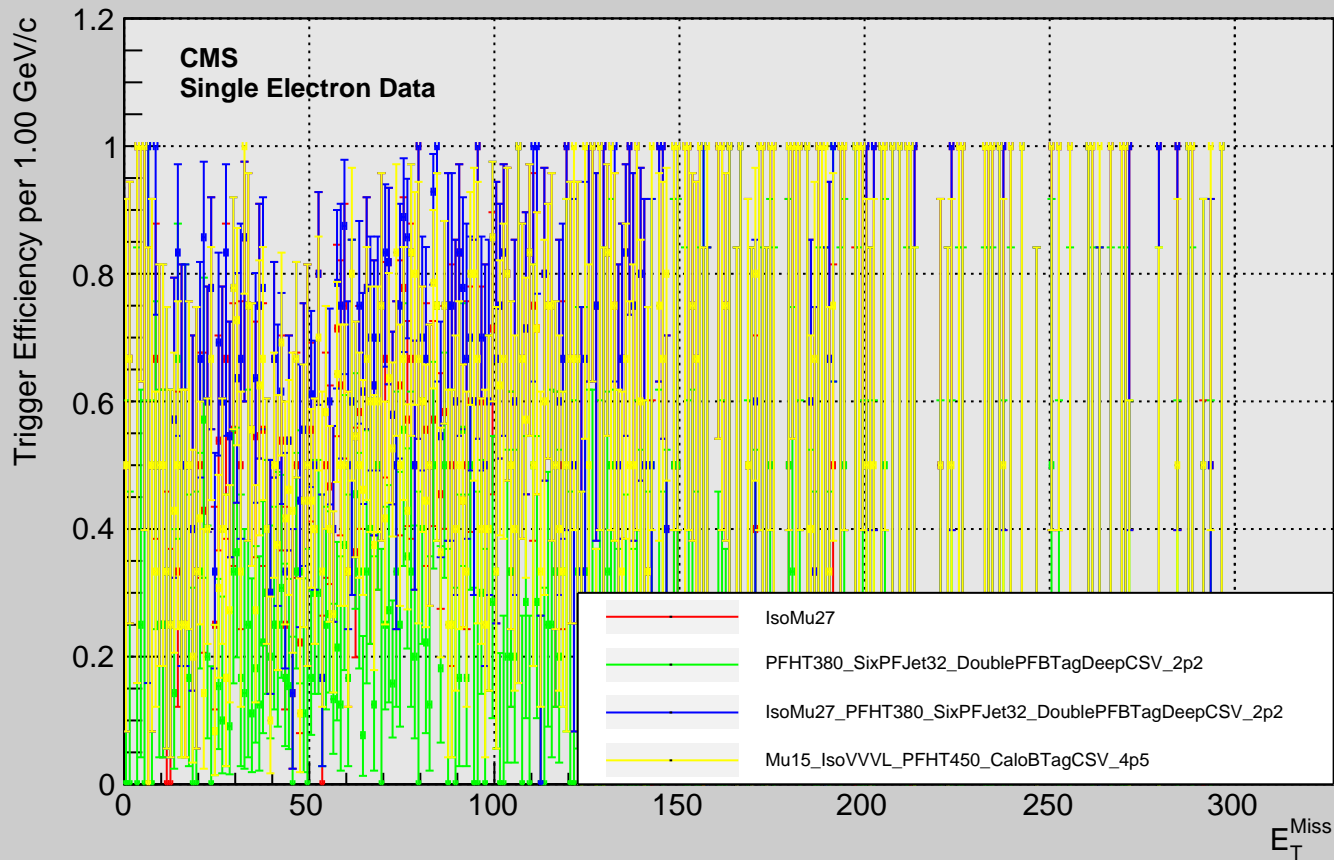


h_metPt_nottrigger

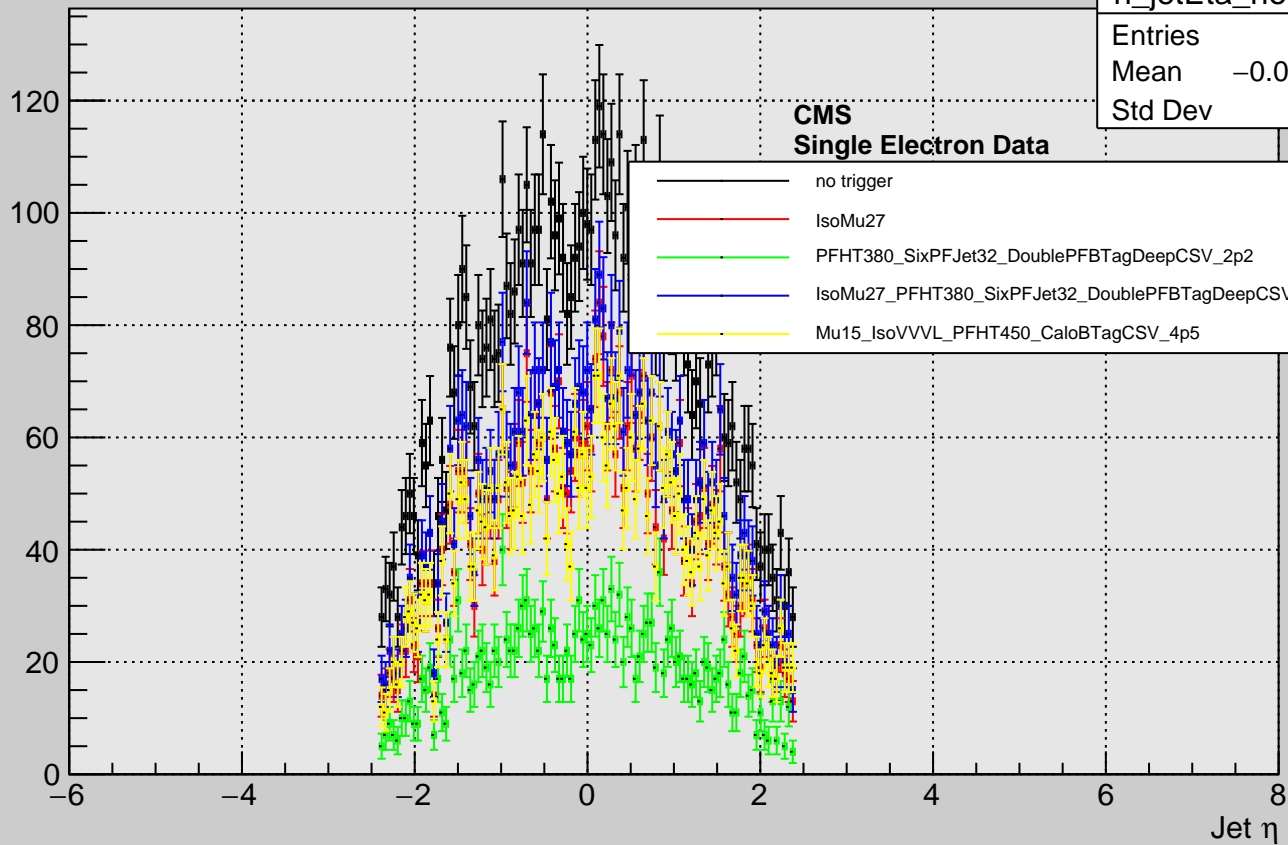
Entries 1145

Mean 82.53

Std Dev 56



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



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

