

On-line (pre-)selection Requisites for:

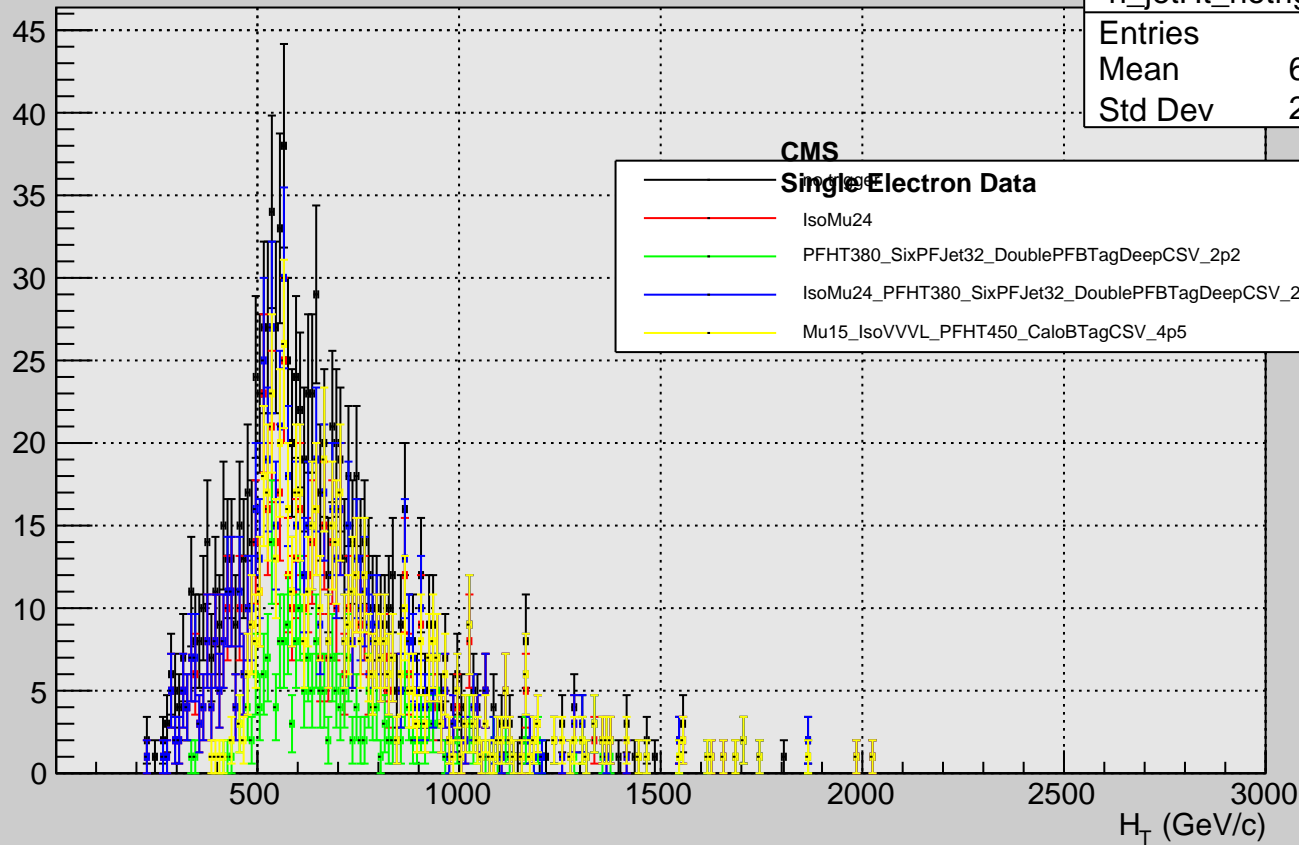
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

Event Limit: None (see last page)

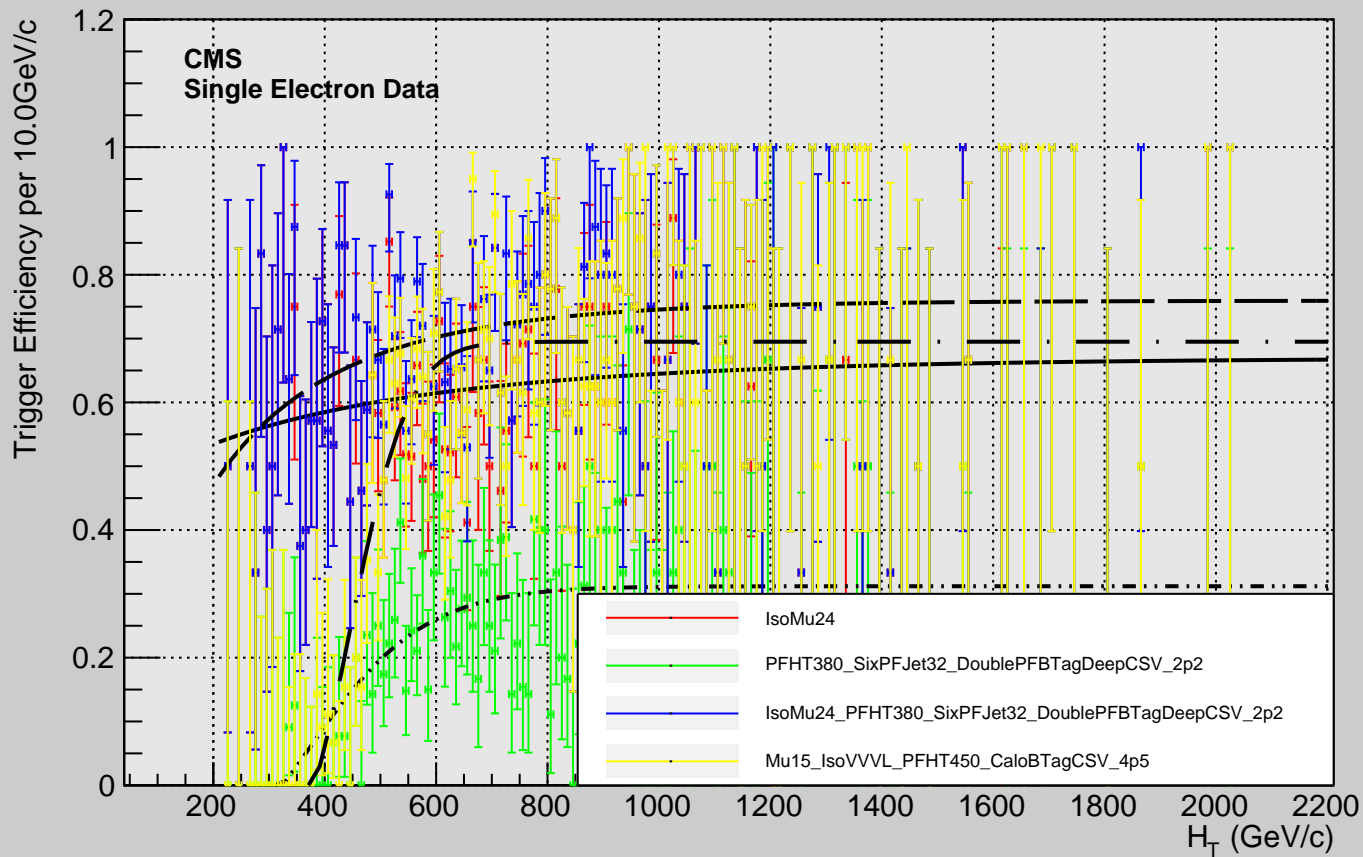
Off-line (post-)selection Requisites for:

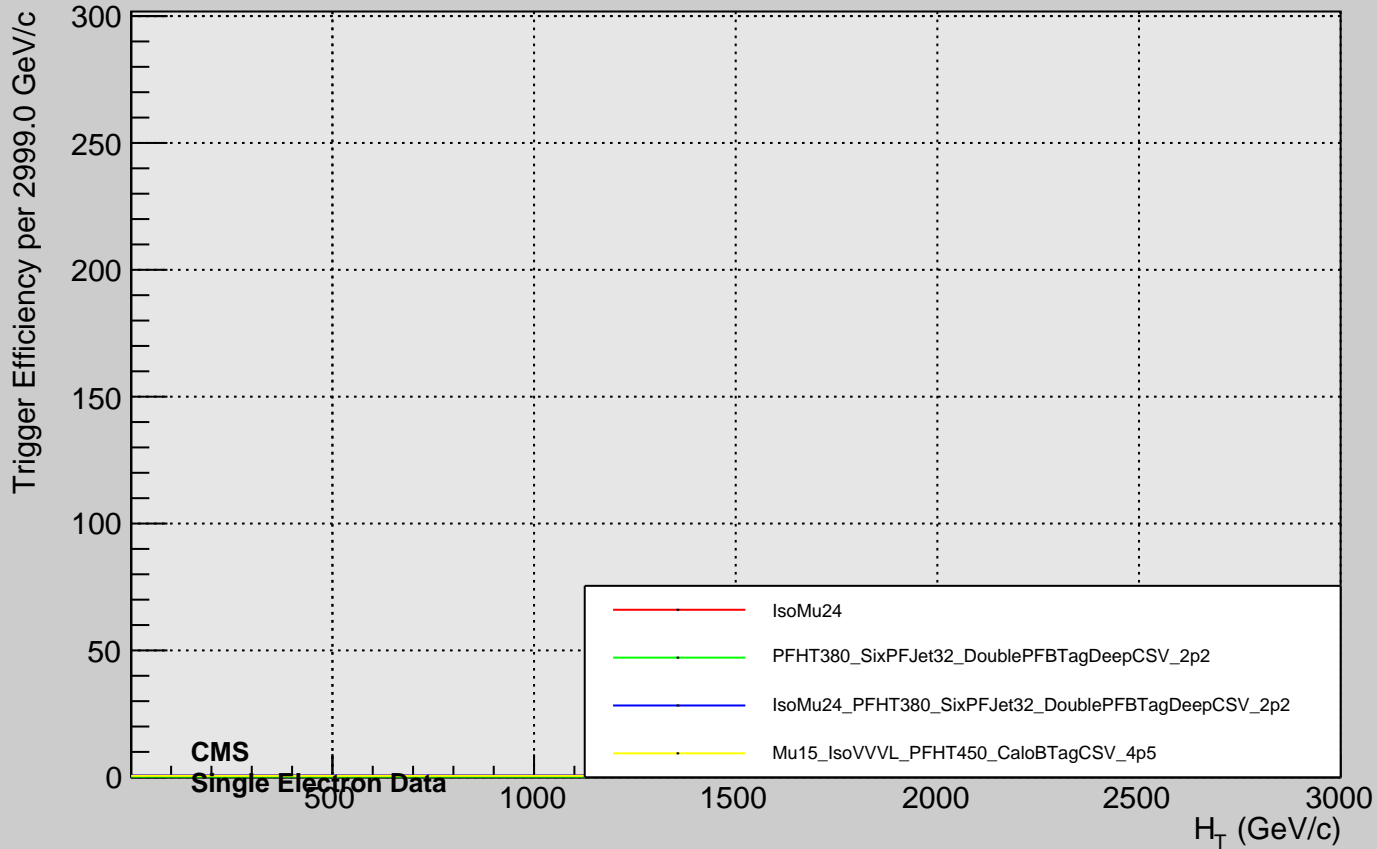
- **Jets:** $\text{jetId} > 2$, $p_T > 30$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

Number of Events per 10 GeV/c



h_jetHt_nottrigger	
Entries	1145
Mean	680.4
Std Dev	259.7





Number of Events per Number of Jets

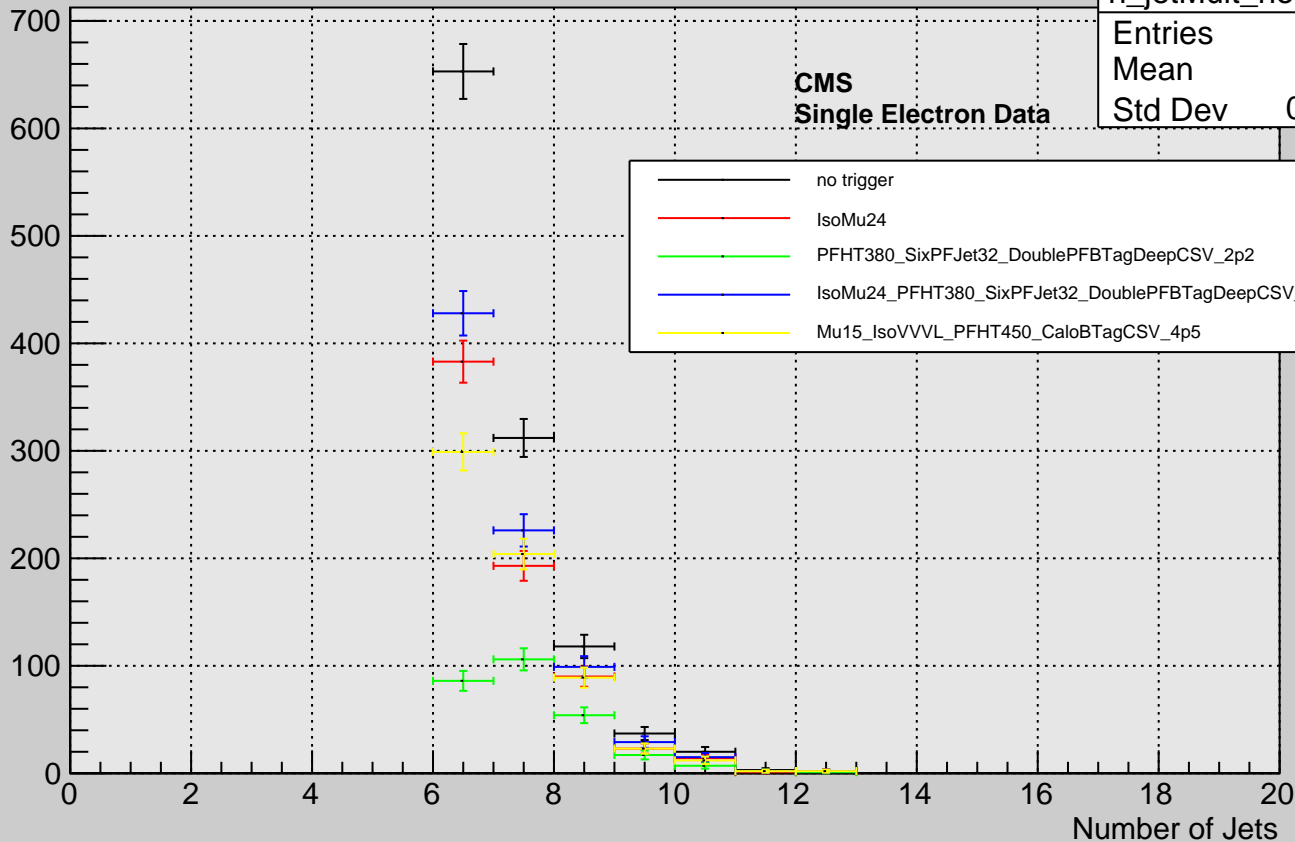
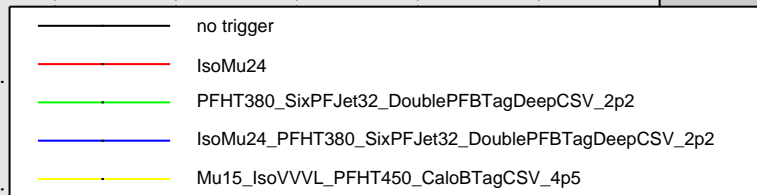
CMS
Single Electron Data

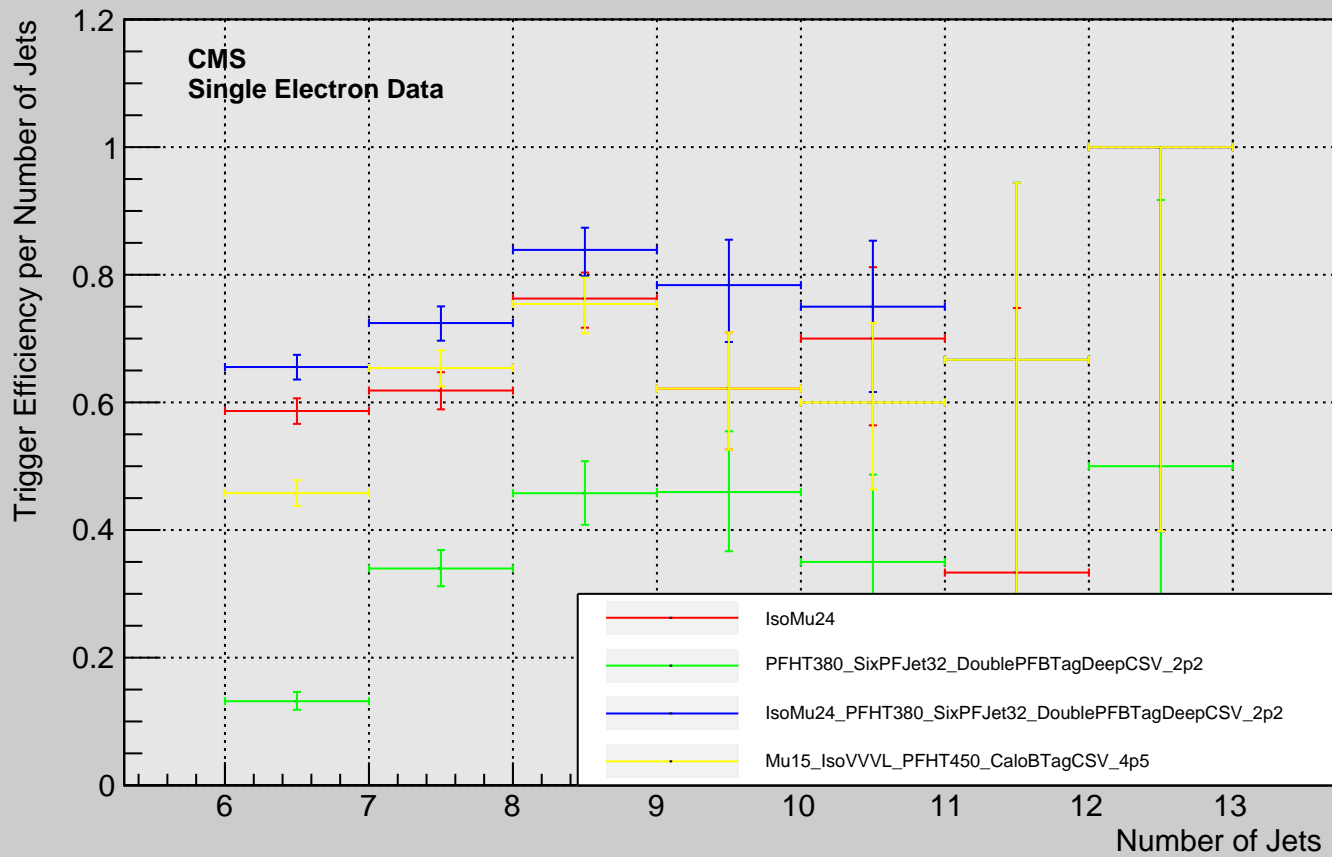
h_jetMult_notrigger

Entries 1145

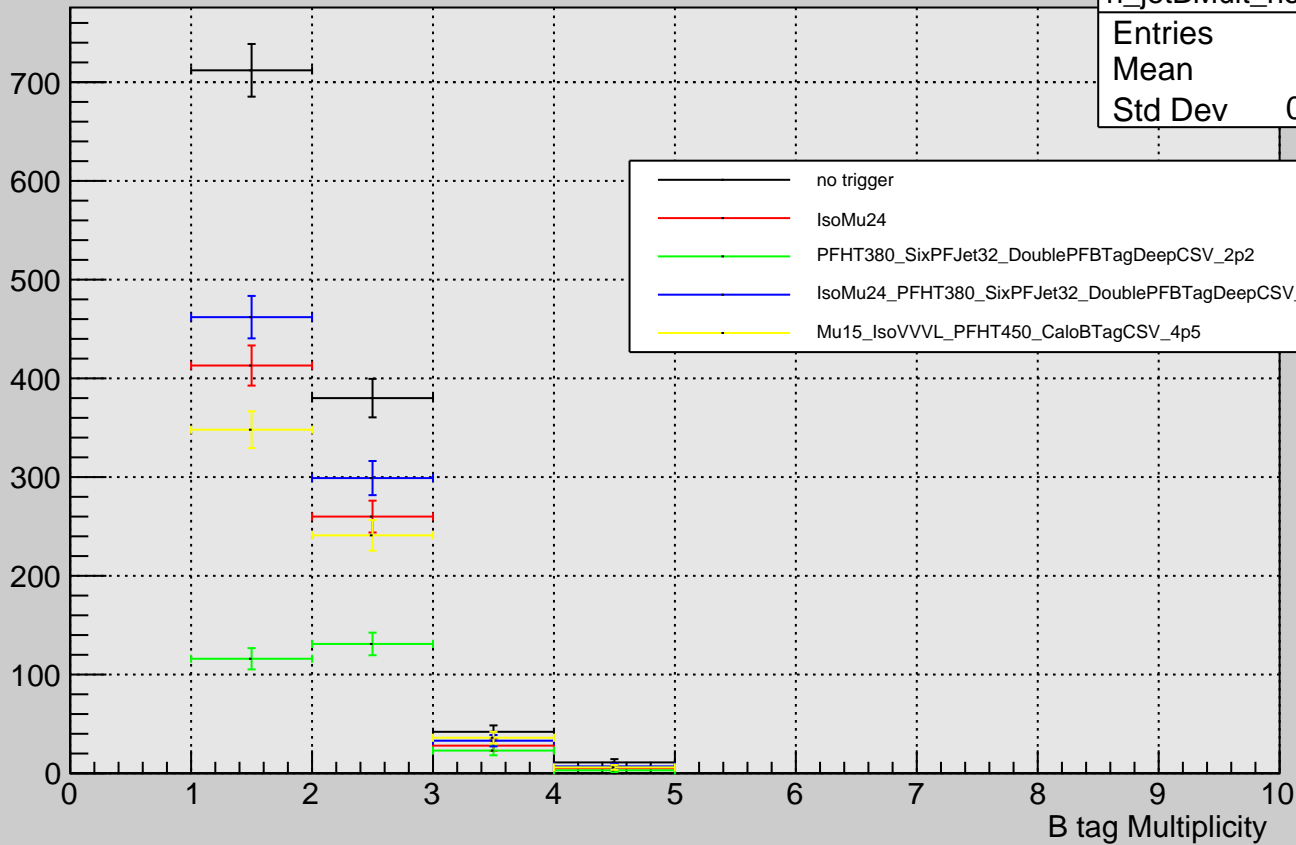
Mean 6.669

Std Dev 0.9674





Number of Events per Number of Jets



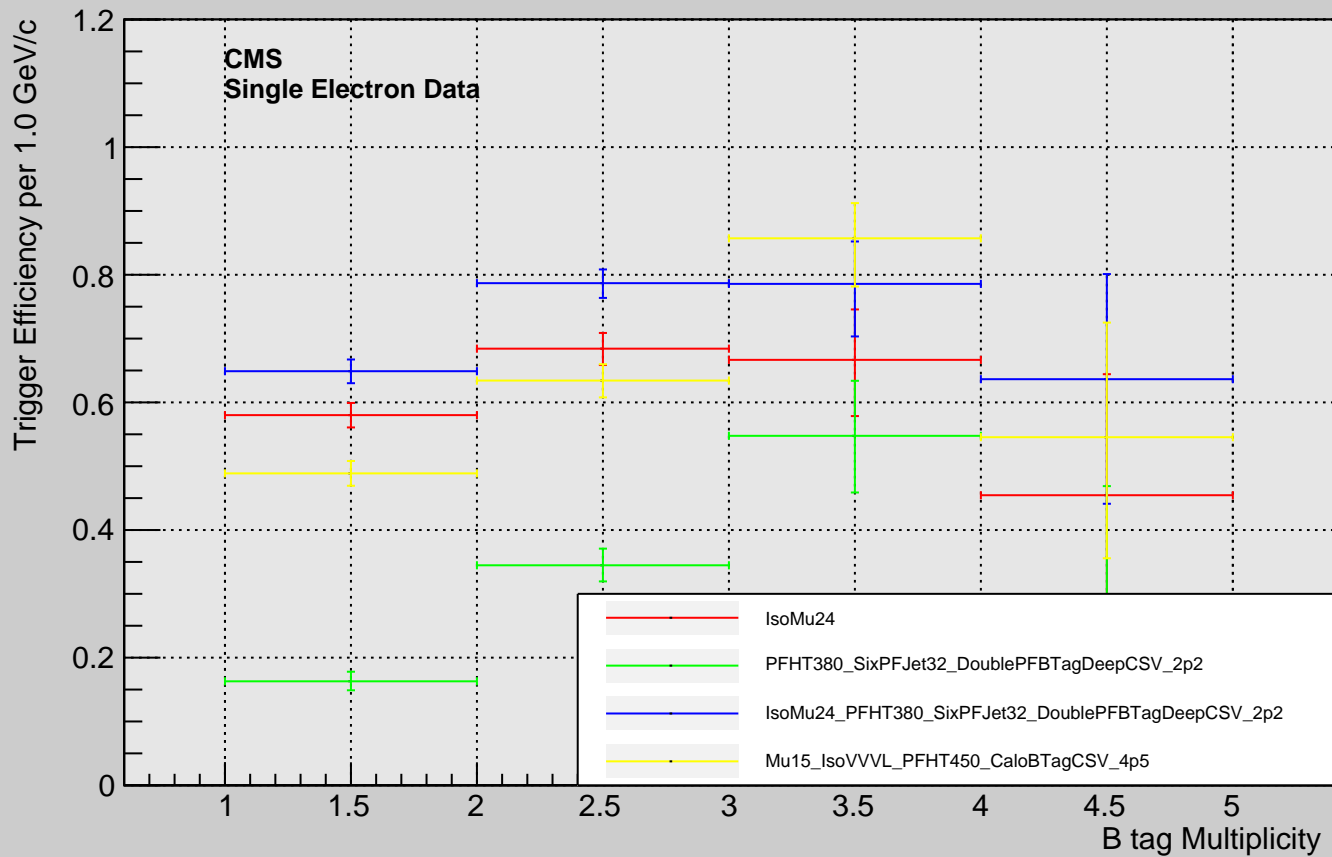
h_jetBMult_notrigger

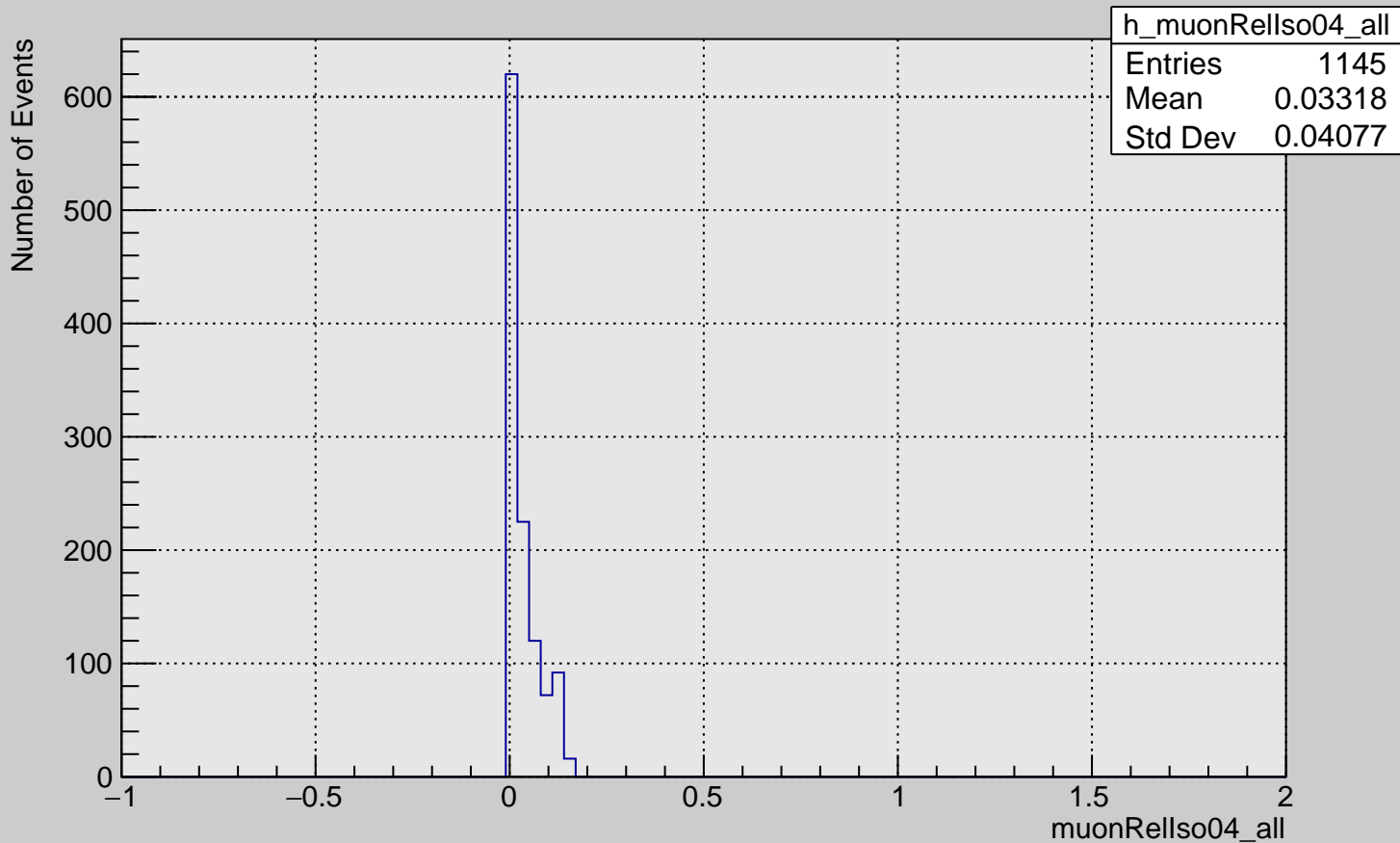
Entries 1145

Mean 1.934

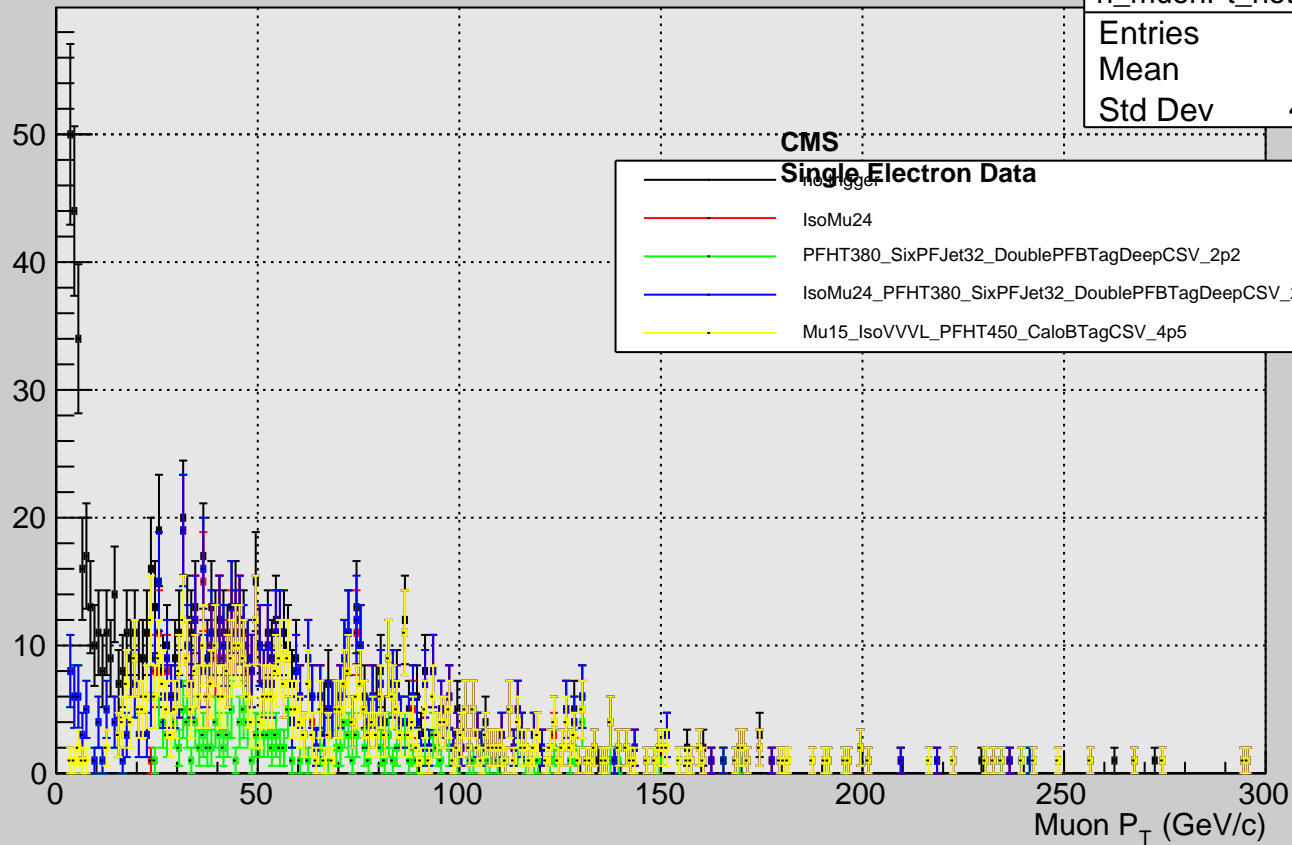
Std Dev 0.6137

- no trigger
- IsoMu24
- PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

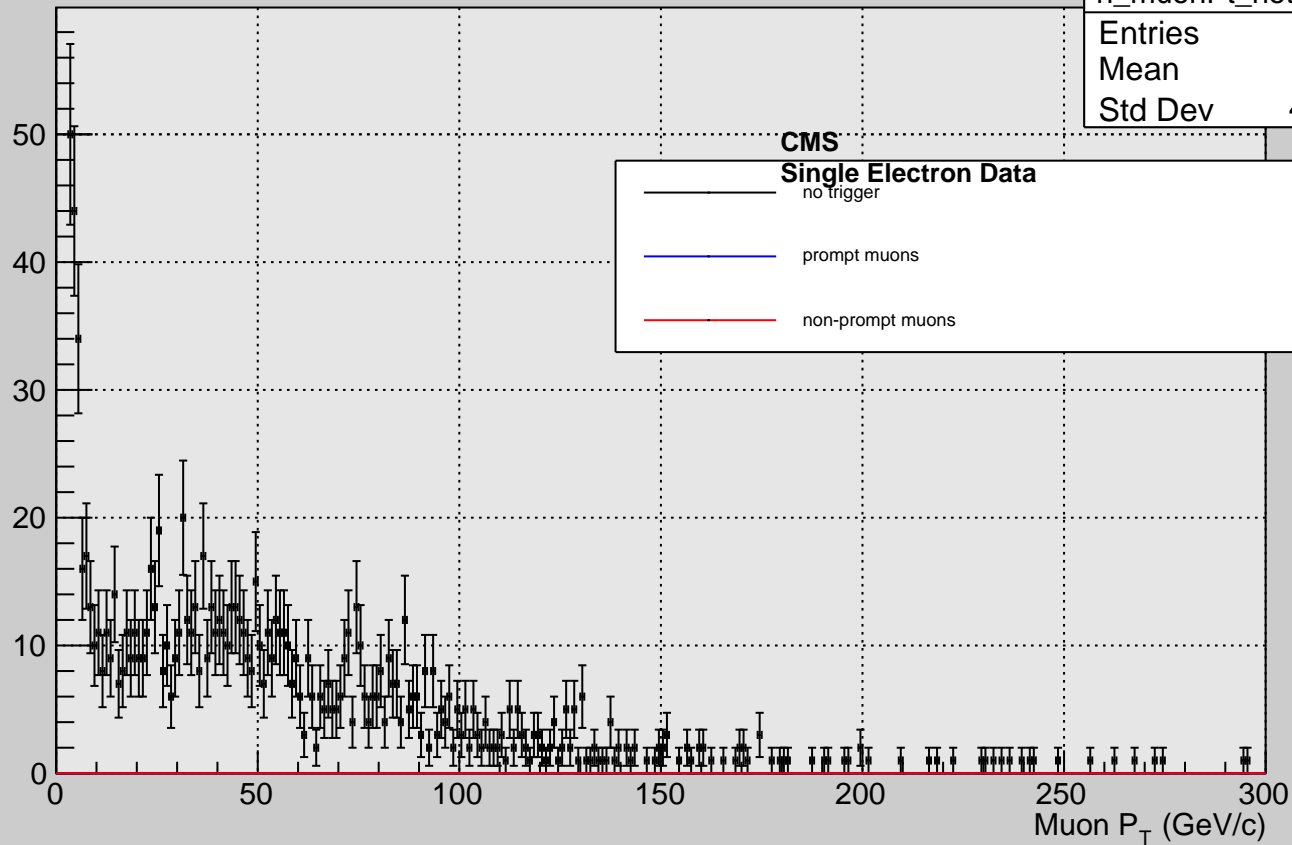




Number of Events per 1 GeV/c



Number of Events per 1 GeV/c



h_muonPt_notrigger

Entries 1145

Mean 56

Std Dev 48.55

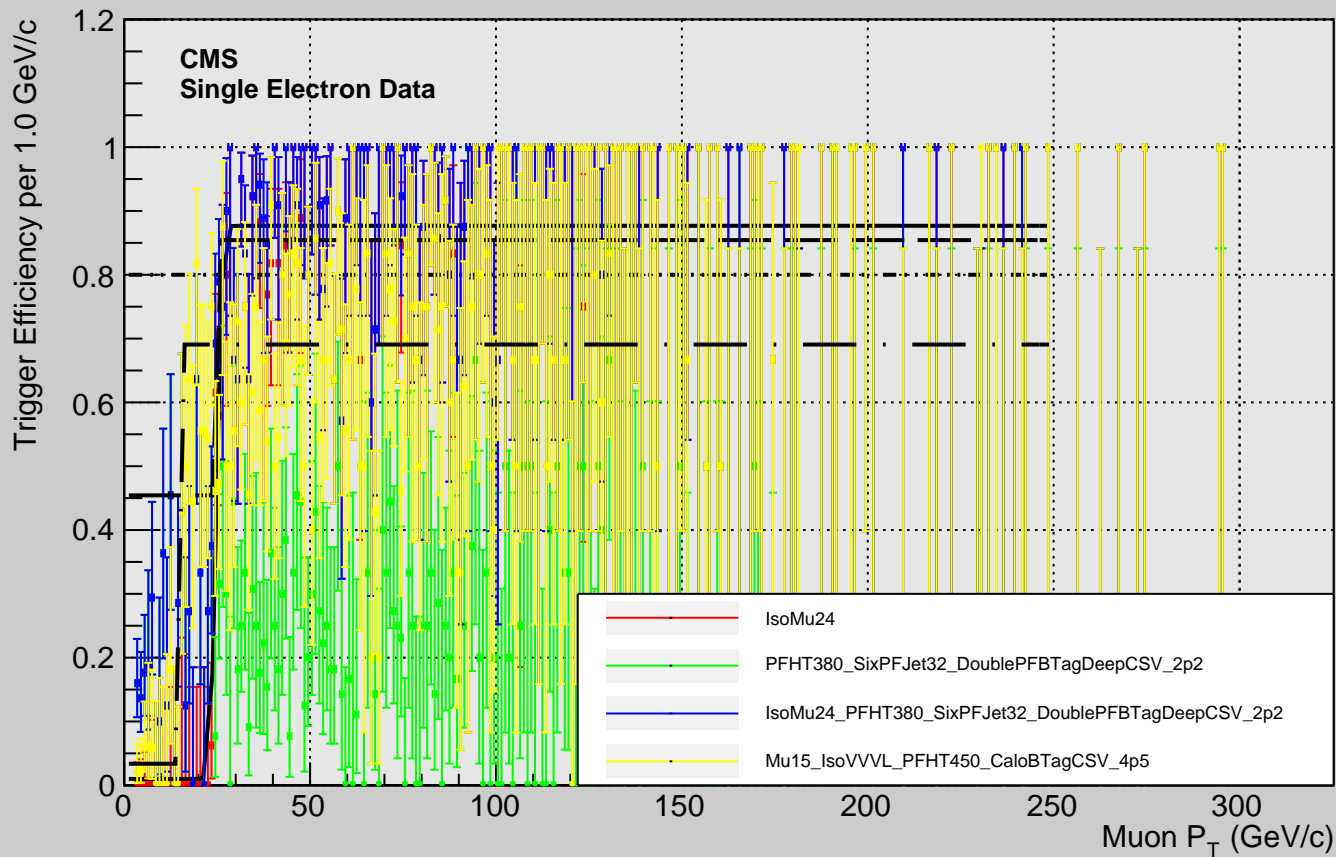
CMS

Single Electron Data

no trigger

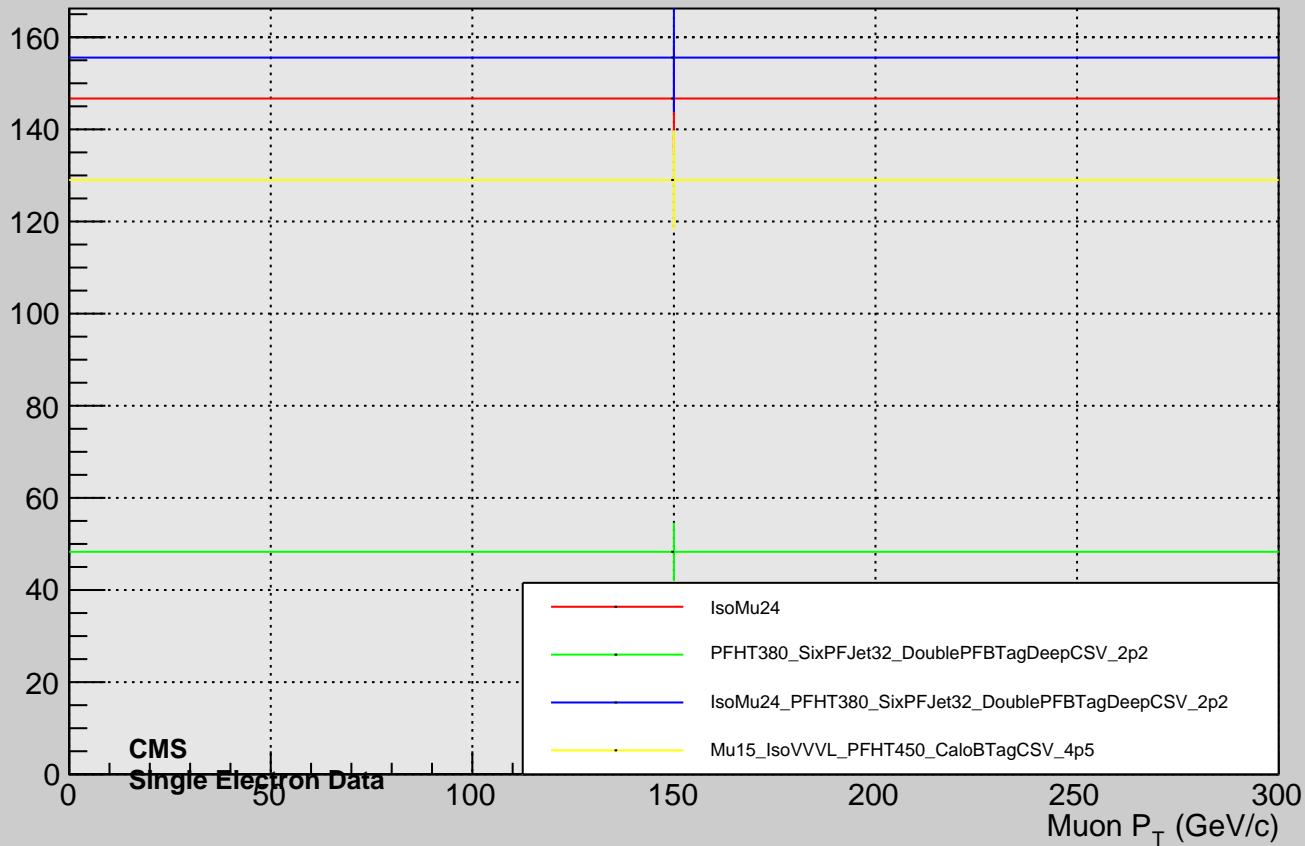
prompt muons

non-prompt muons

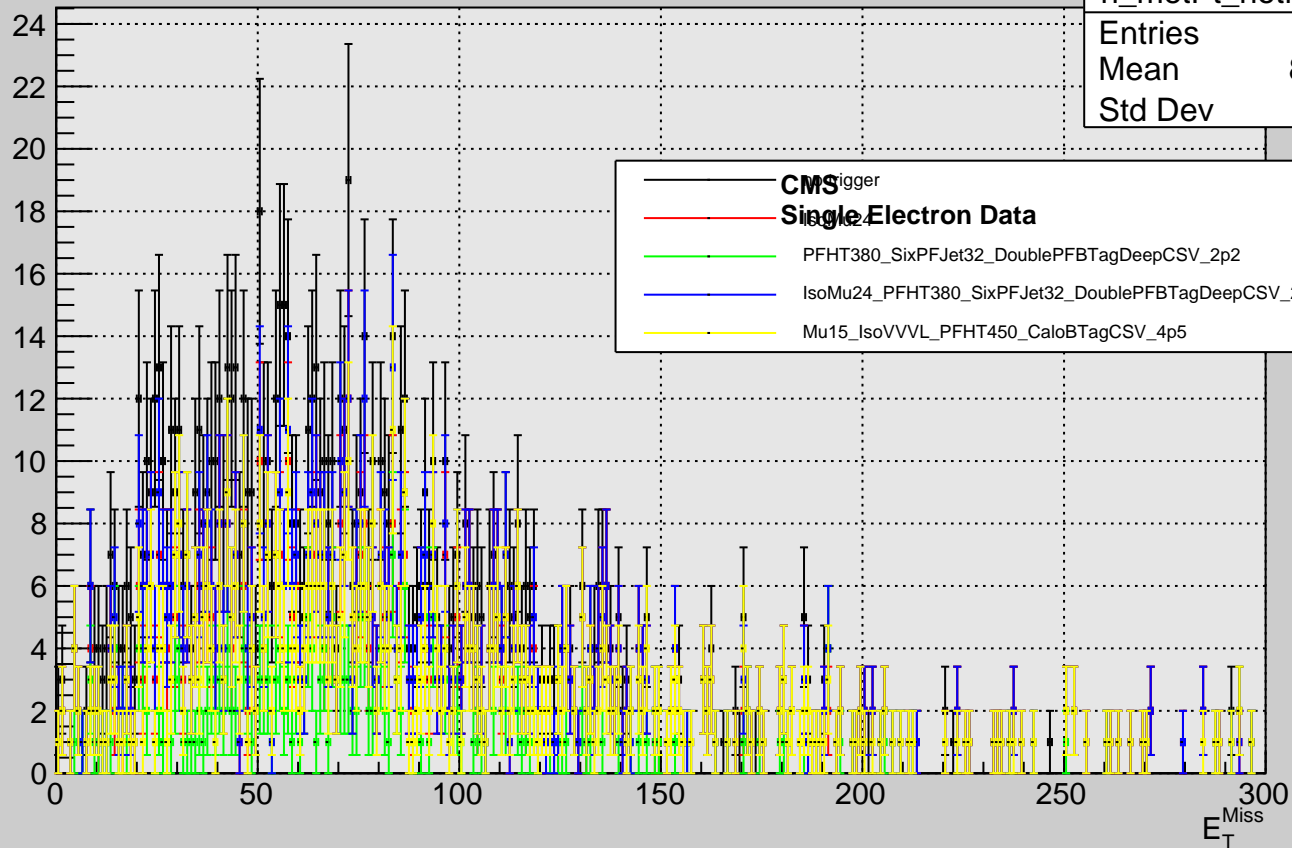


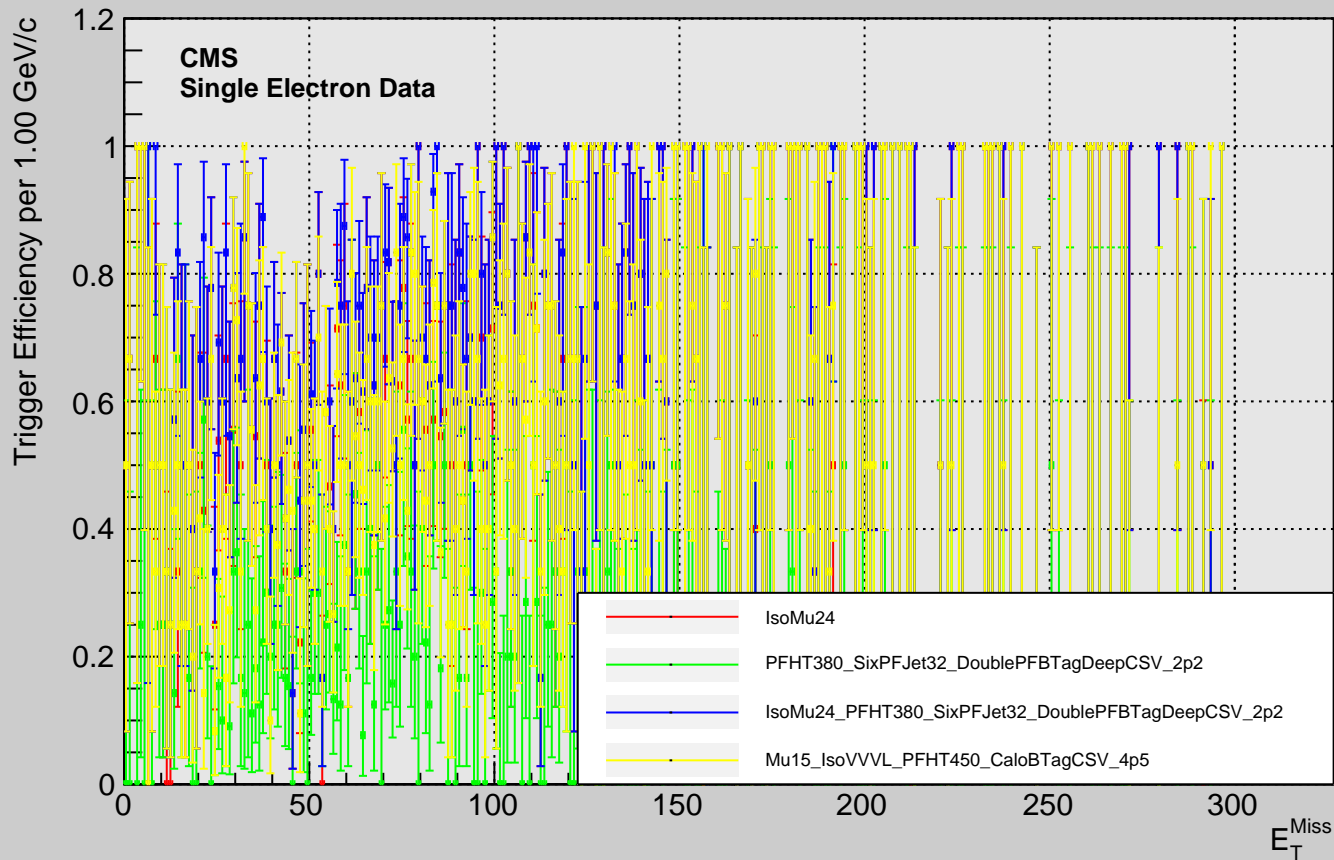
Trigger Efficiency per 1.00 GeV/c

CMS
Single Electron Data

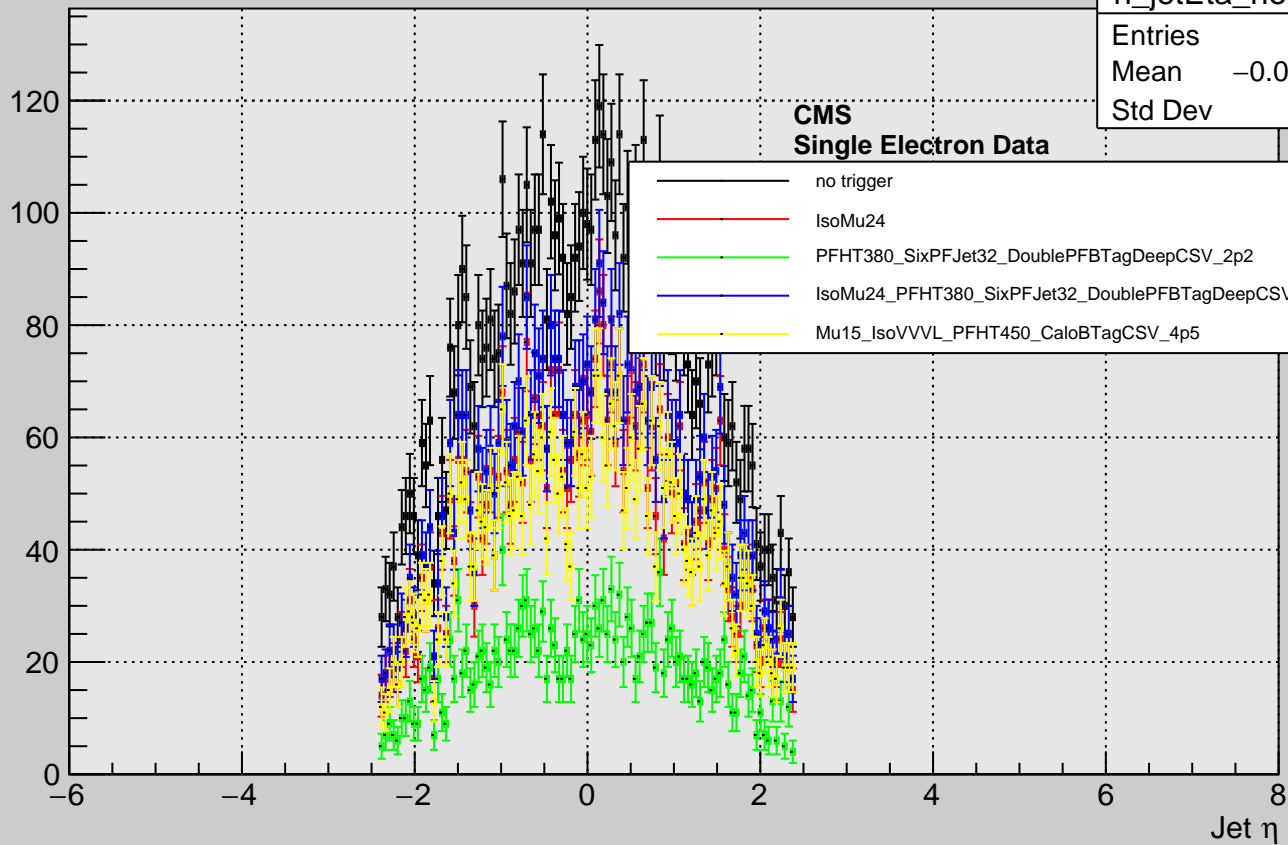


Number of Events per 1 GeV/c





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



h_jetEta_notrigger

Entries 7636

Mean -0.0008626

Std Dev 1.18

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

