

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

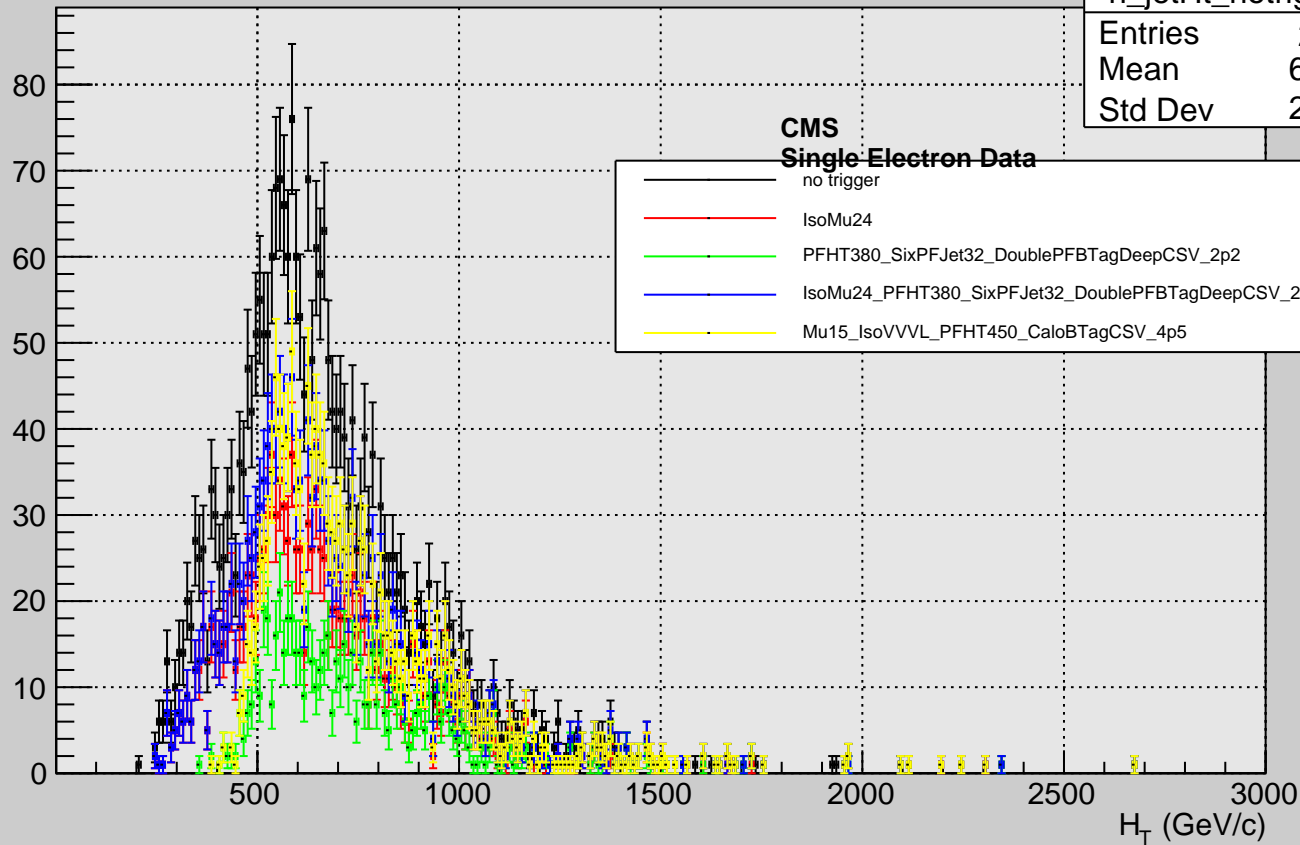
- **Jets:** number  $> 5$
- **Muons plus Electrons:** number  $> 0$

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

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

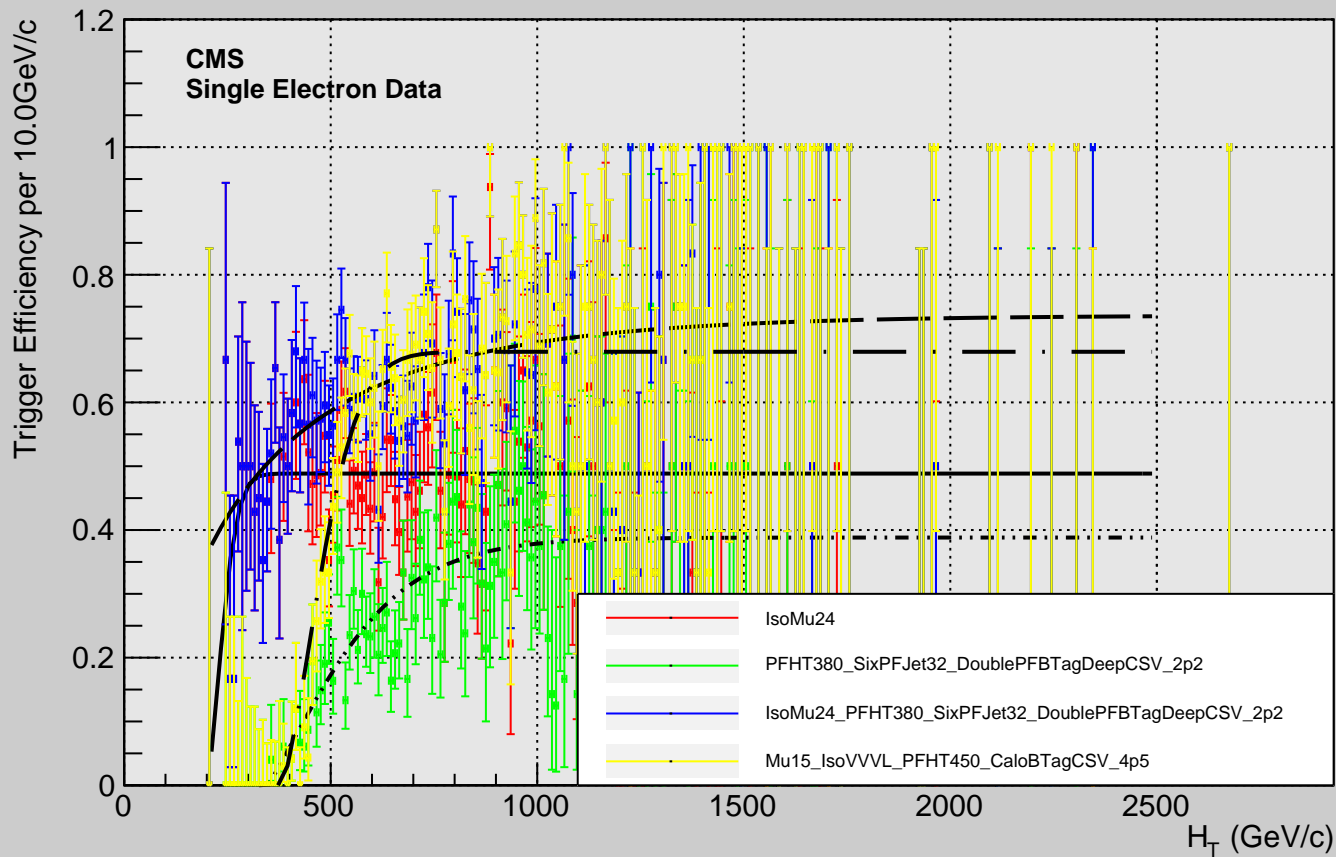
- **Jets:**  $\text{jetId} > 2$  ,  $p_{\text{T}} > 30$  and  $|\eta| < 2.4$  (for at least 6 jets)  
 $\text{btagDeepFlavB} > 0.7489$  (for at least one jet)
- **Muons:** has tightId,  $|\eta| < 2.4$  and  $\text{miniPFRellso\_all} < 0.15$  (for at least 1)

Number of Events per 10 GeV/c



h\_jetHt\_notrigger

Entries	2712
Mean	675.4
Std Dev	259.3



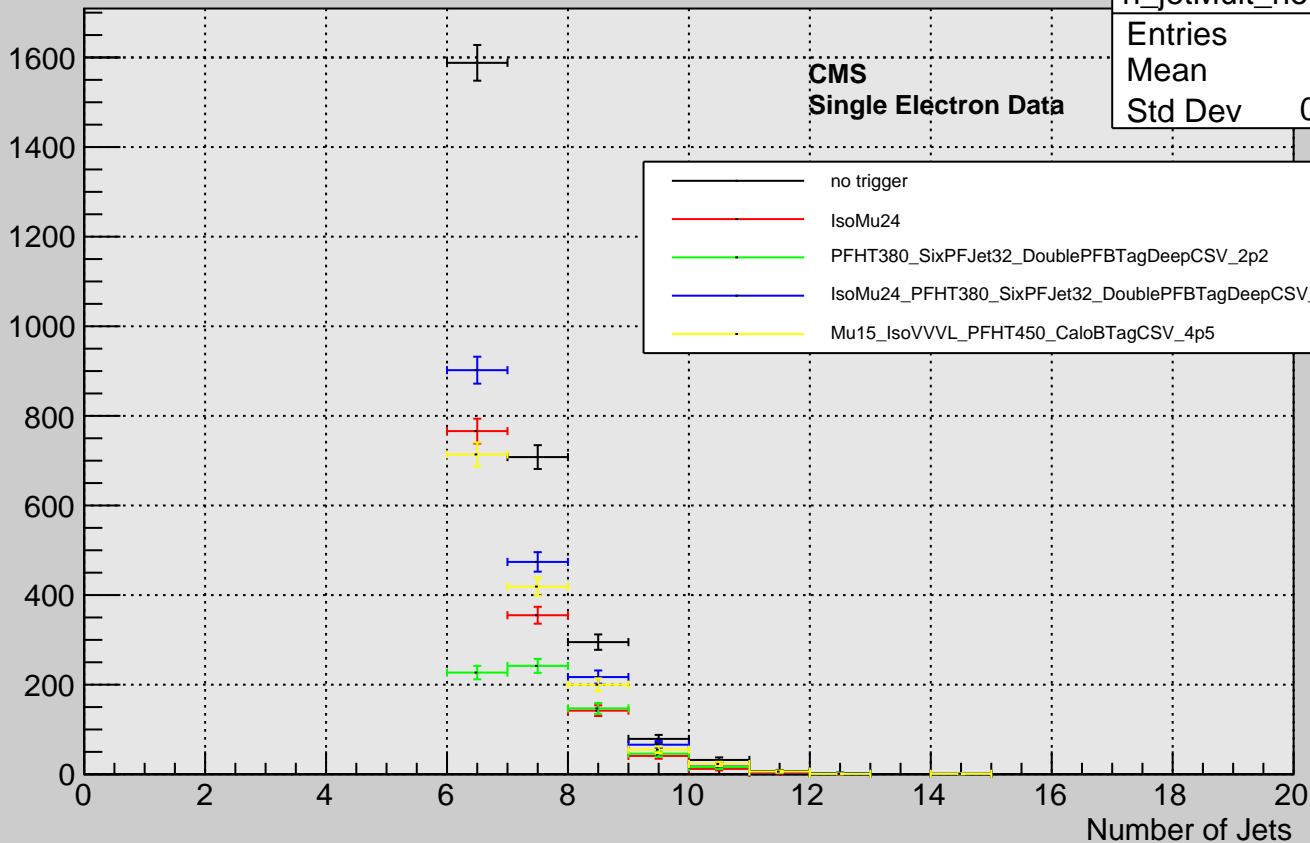
Trigger Efficiency per 2999.0 GeV/c

**CMS**  
Single Electron Data

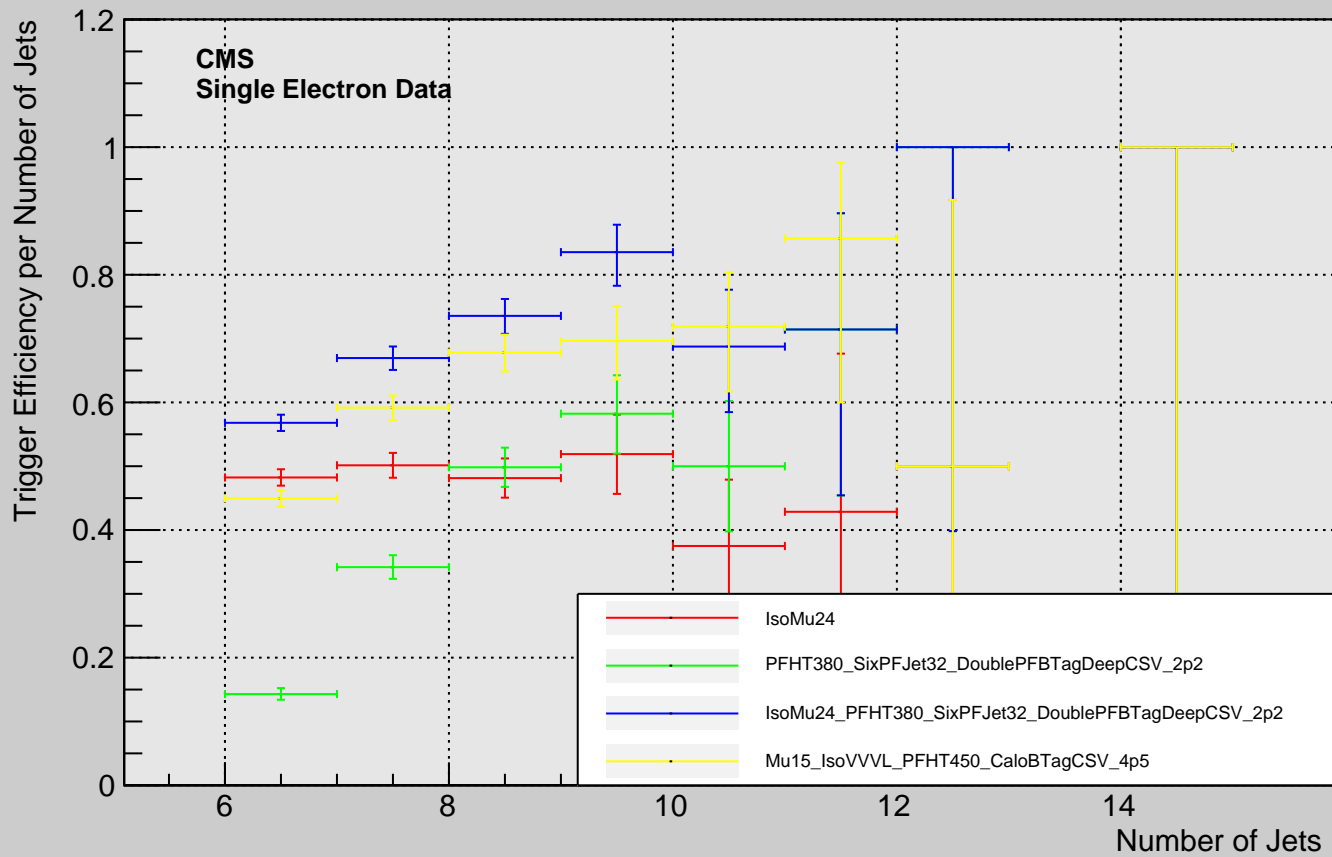
- IsoMu24
- PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2
- IsoMu24\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2
- Mu15\_IsoVVVL\_PFHT450\_CaloBTagCSV\_4p5

$H_T$  (GeV/c)

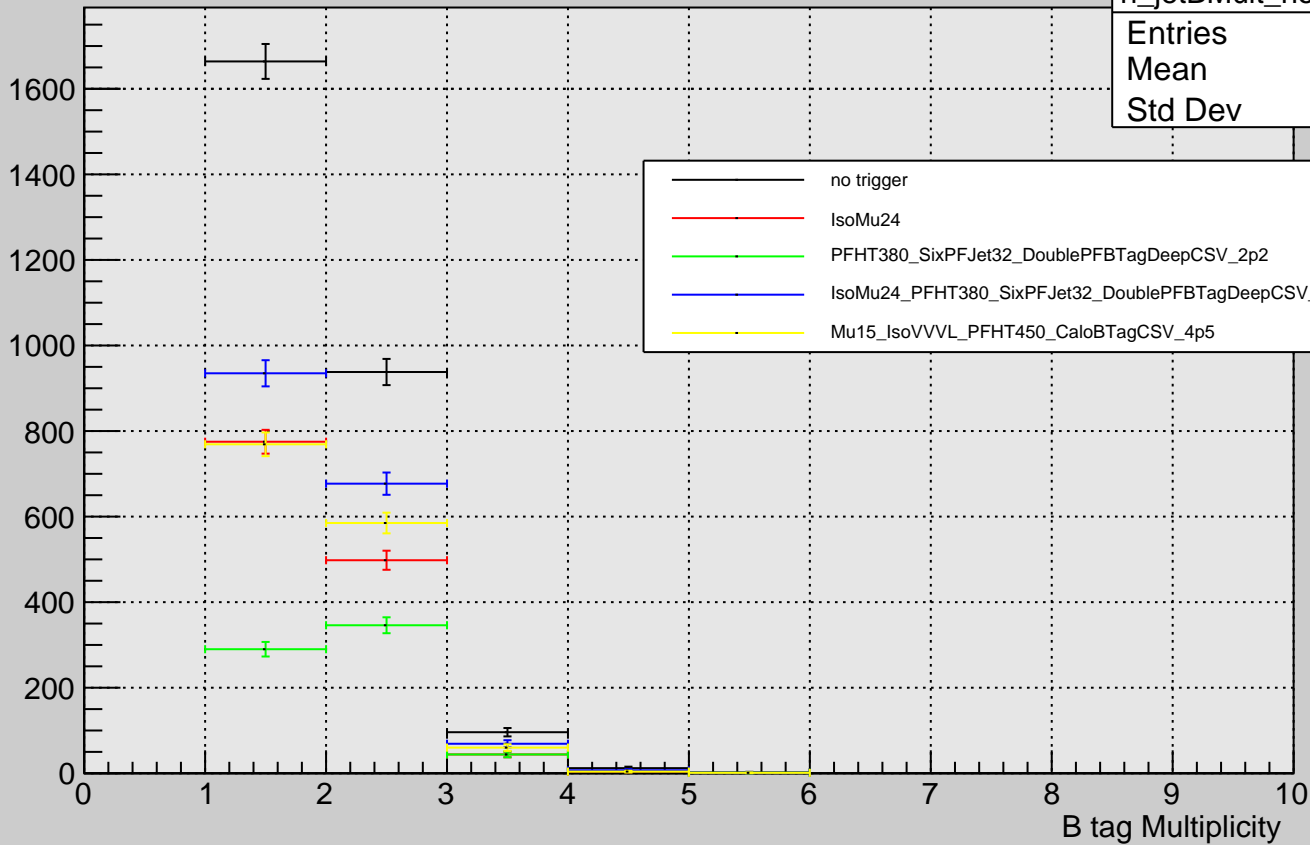
Number of Events per Number of Jets



h_jetMult_notrigger	
Entries	2712
Mean	6.633
Std Dev	0.9276

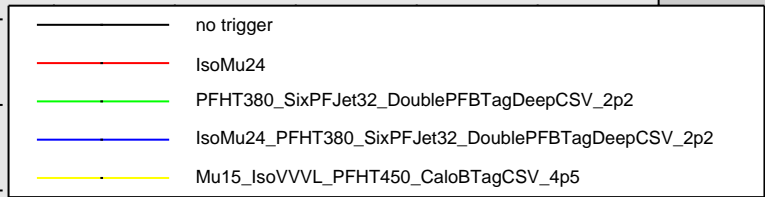


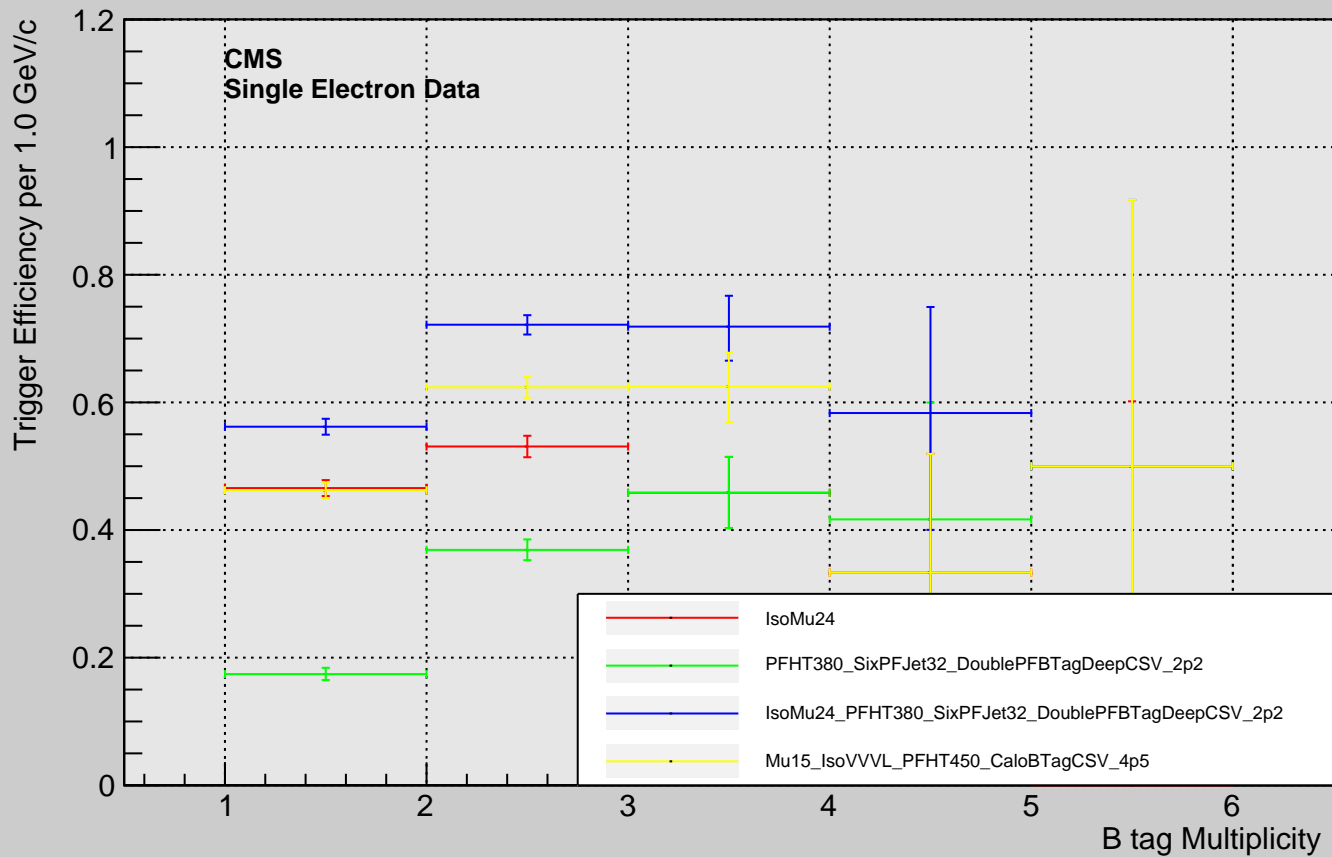
Number of Events per Number of Jets



h\_jetBMult\_notrigger

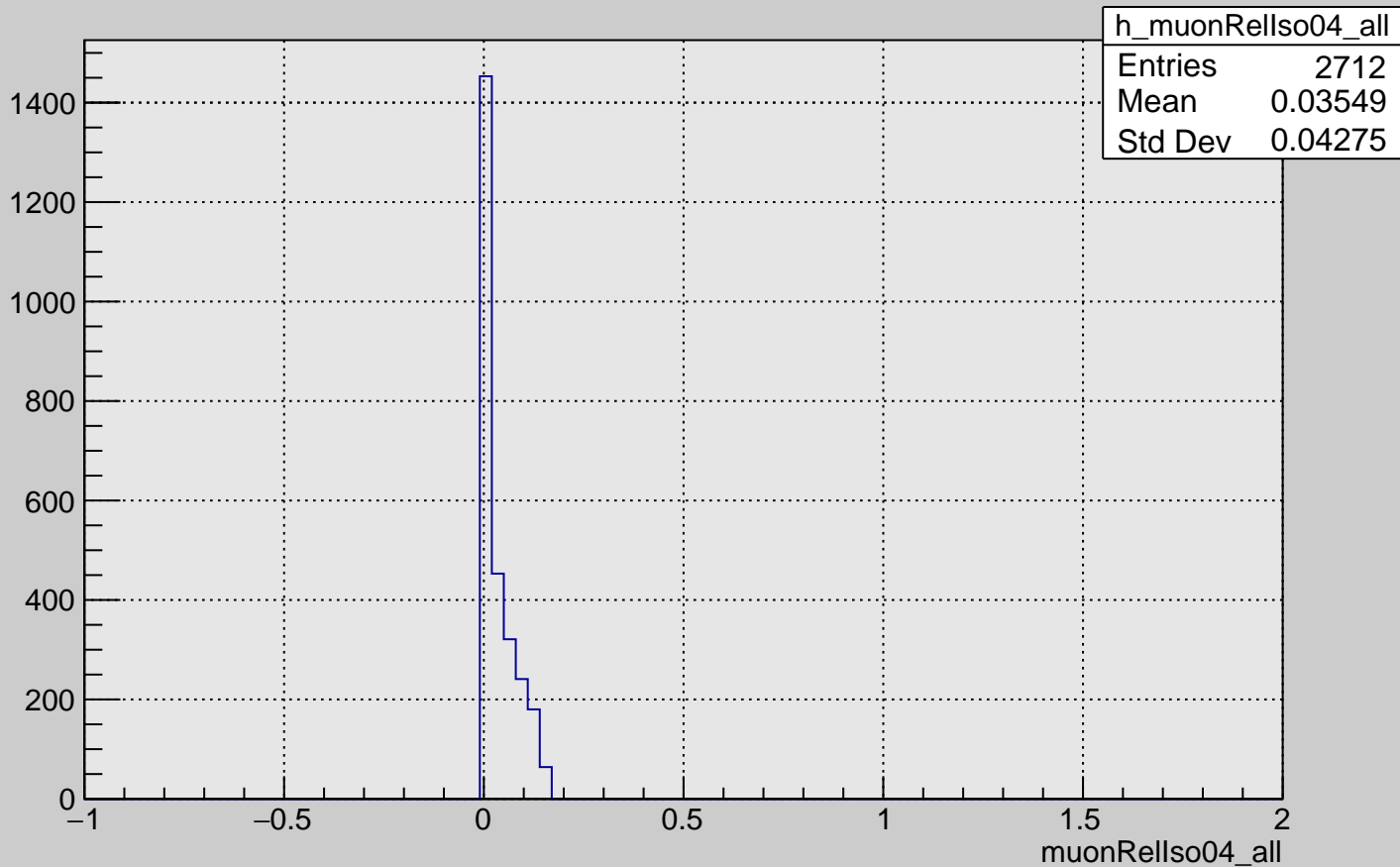
Entries	2712
Mean	1.933
Std Dev	0.593



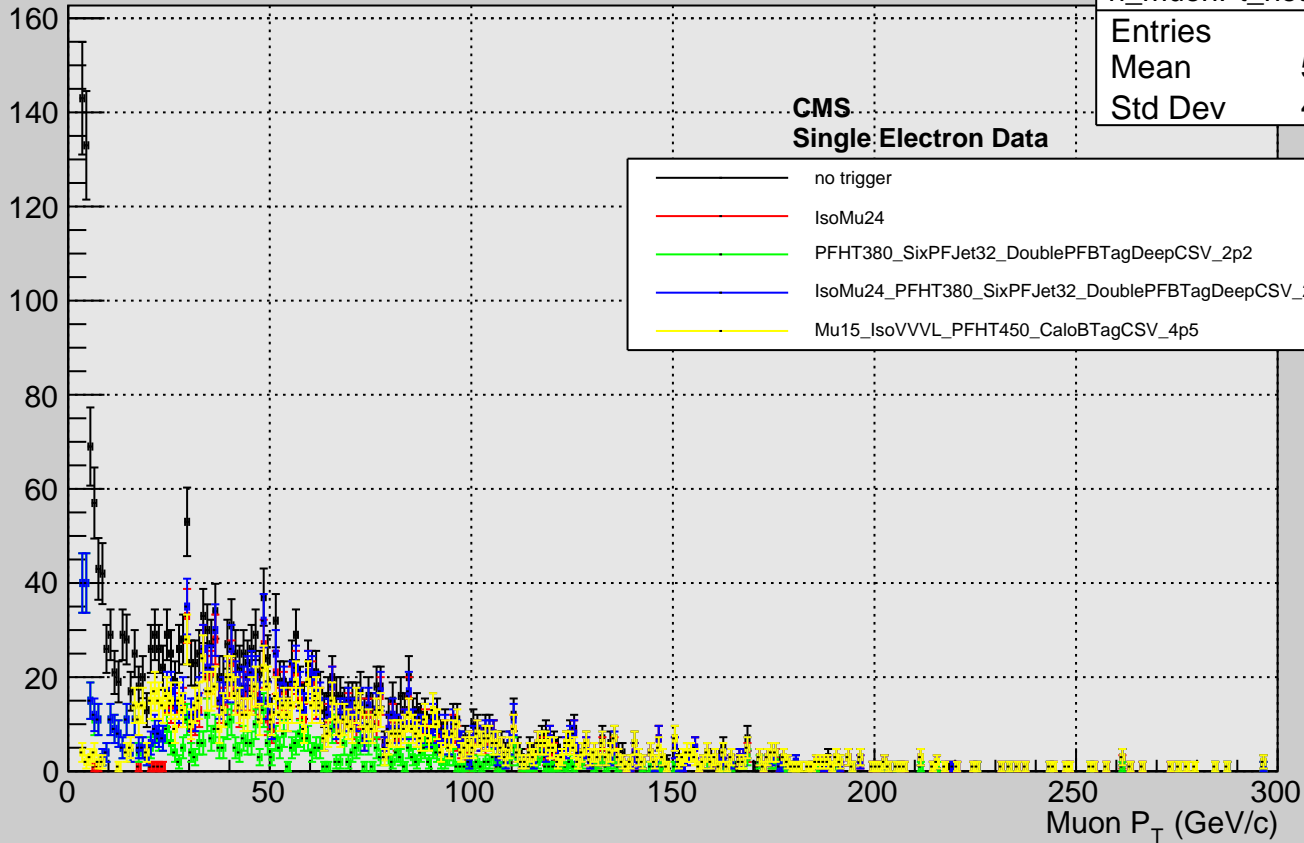




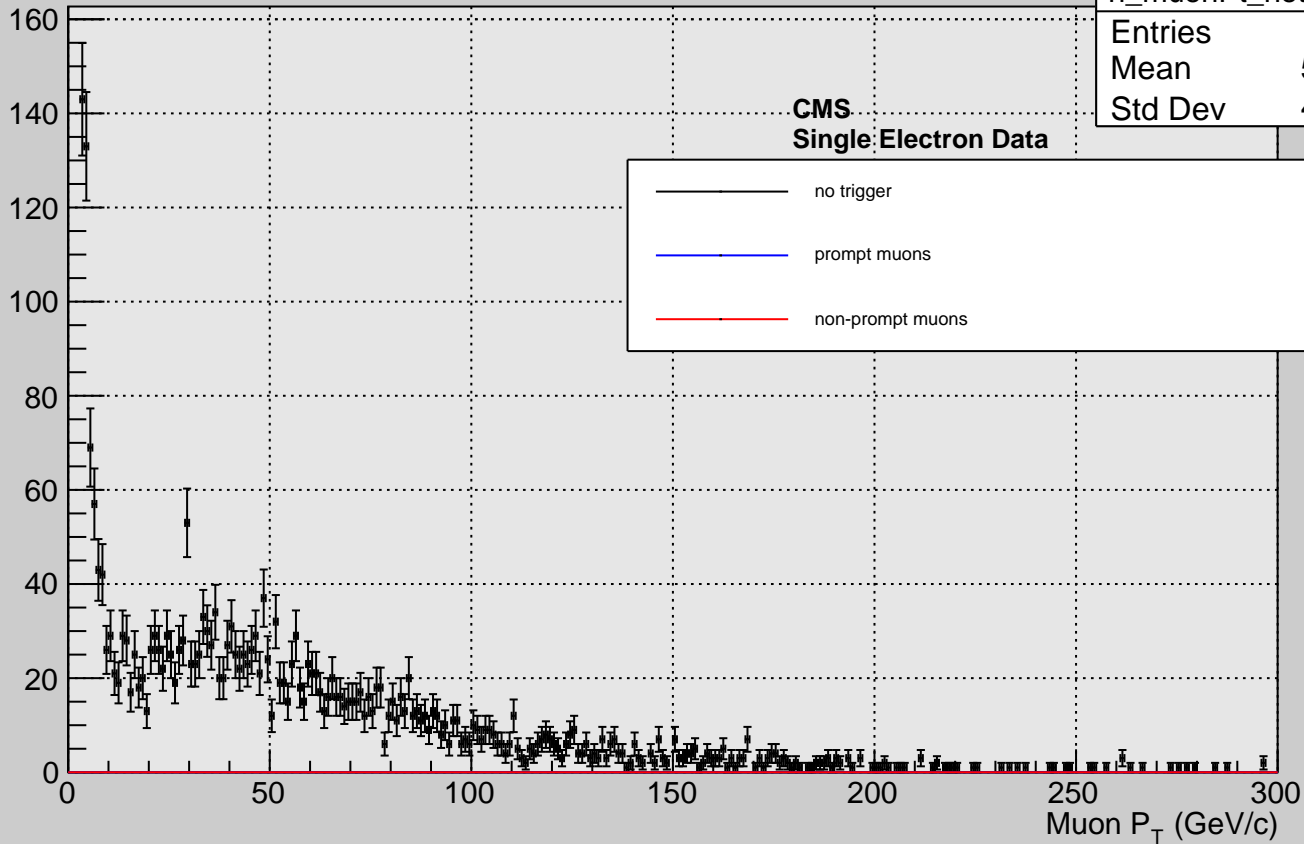
Number of Events

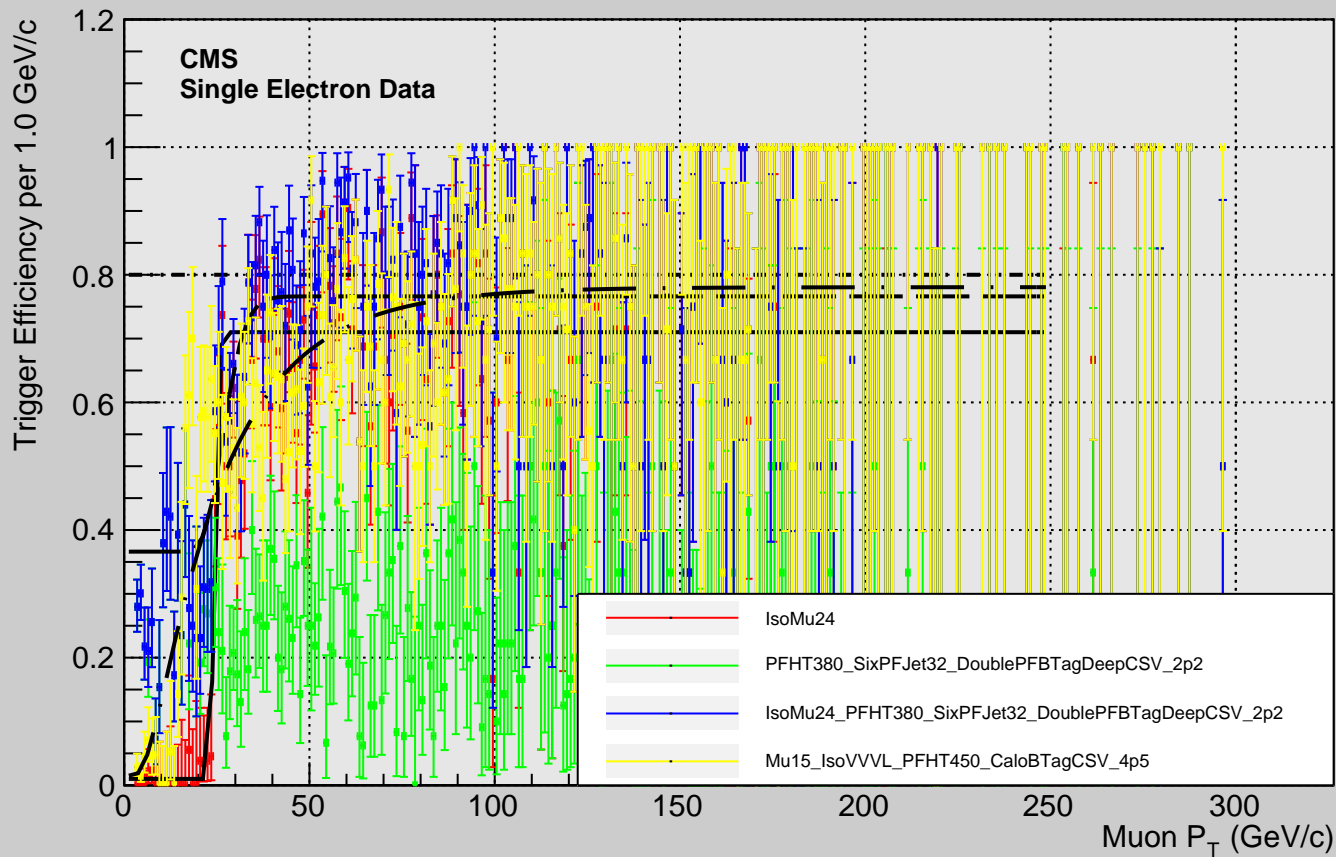


Number of Events per 1 GeV/c

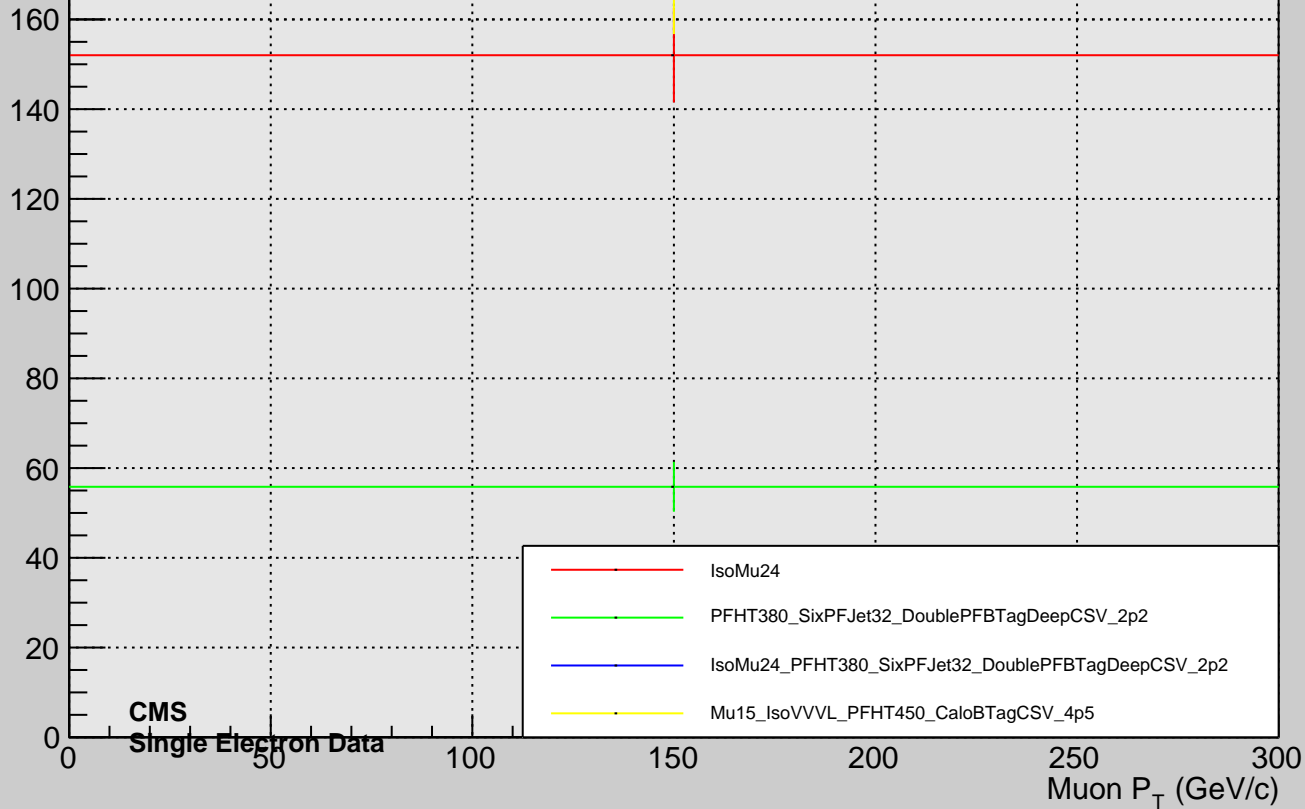


Number of Events per 1 GeV/c

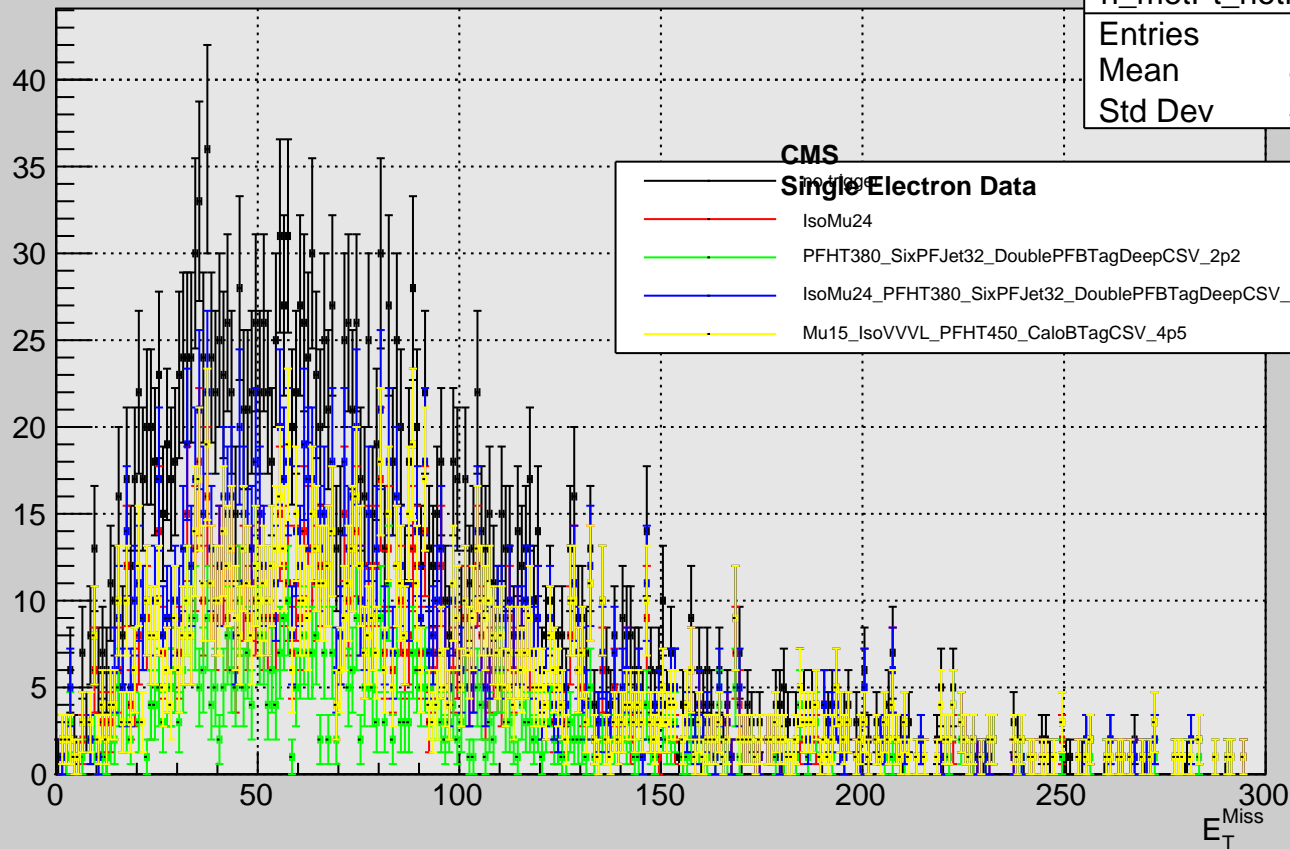




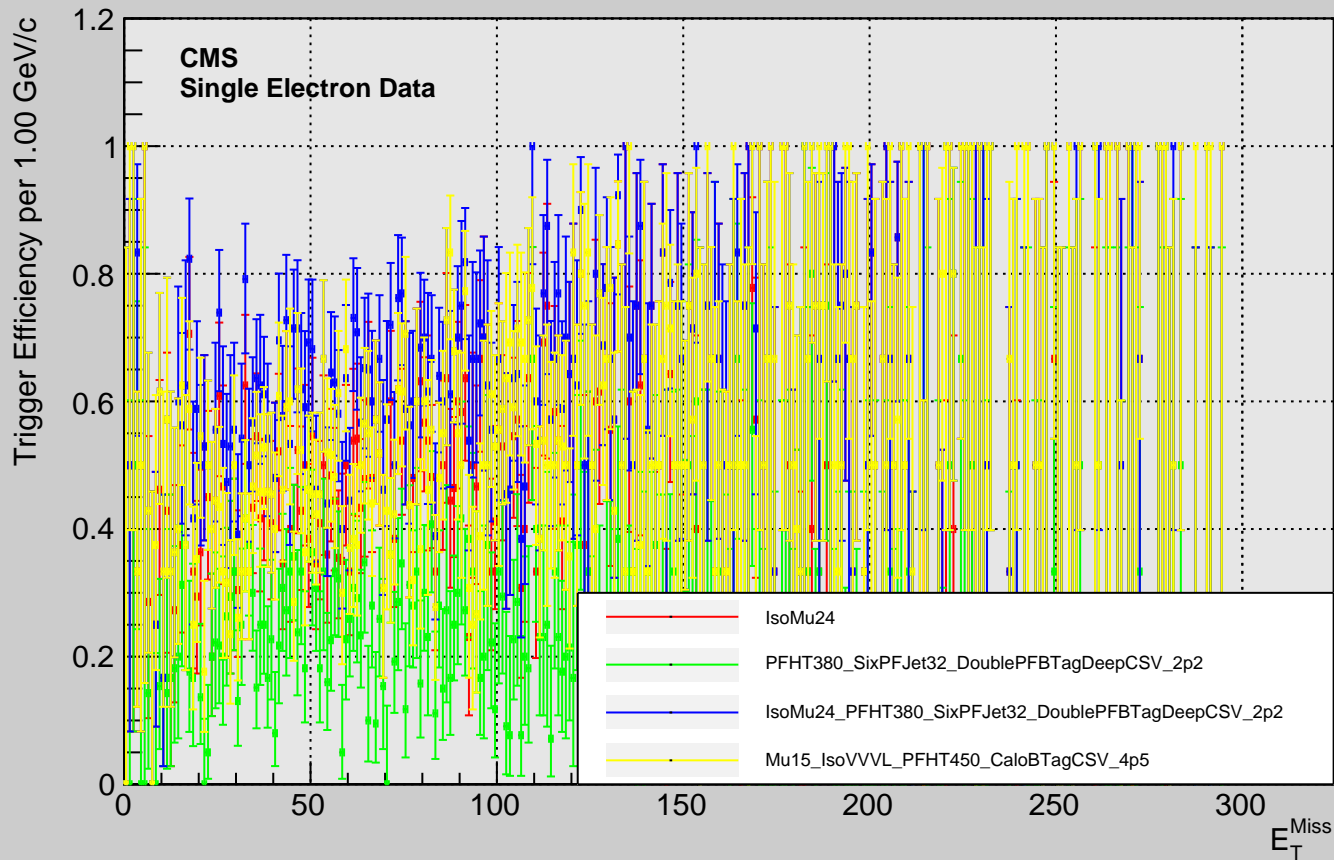
Trigger Efficiency per 1.00 GeV/c



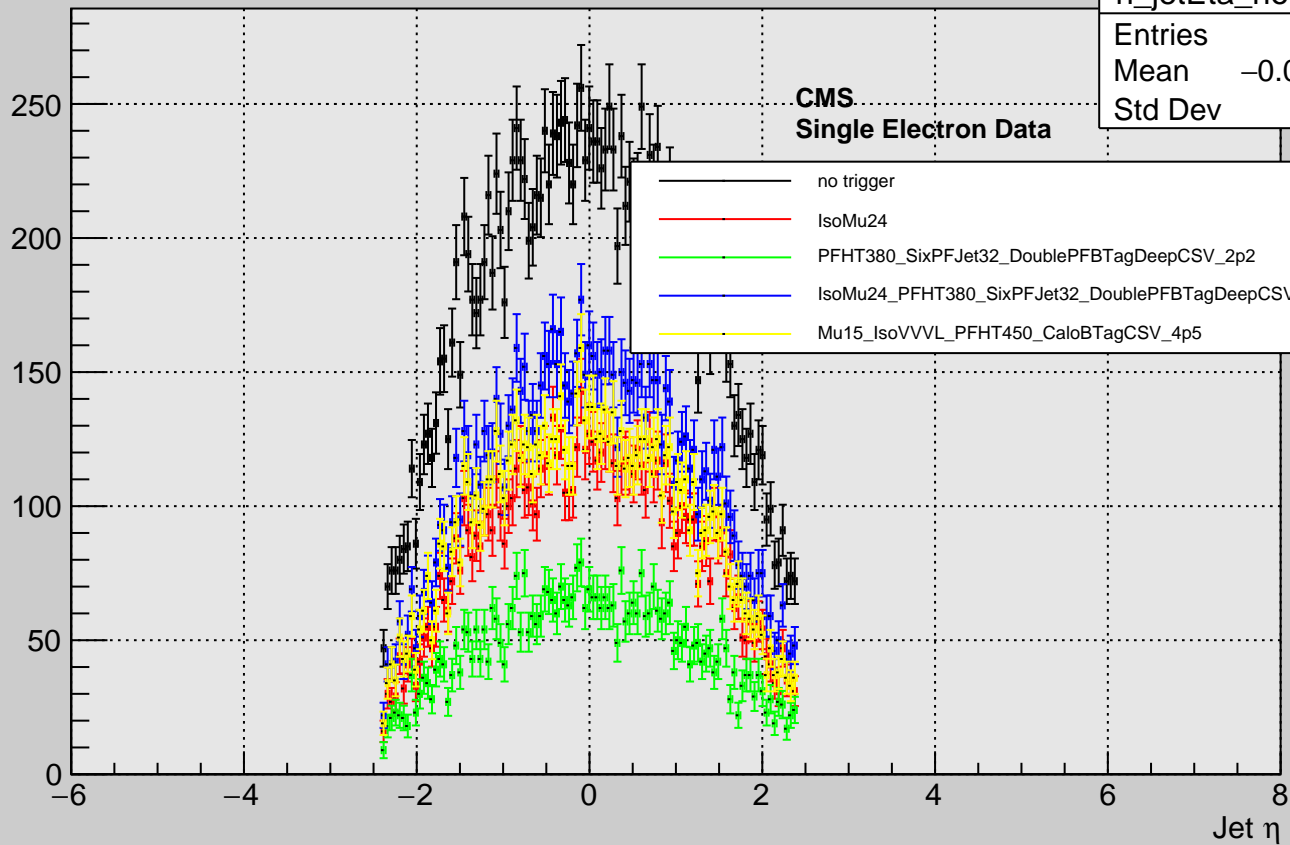
Number of Events per 1 GeV/c



h_metPt_notrigger	
Entries	2712
Mean	83.06
Std Dev	54.28



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



h\_jetEta\_notrigger

Entries 17990

Mean  $-0.007032$

Std Dev 1.18



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

