

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

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

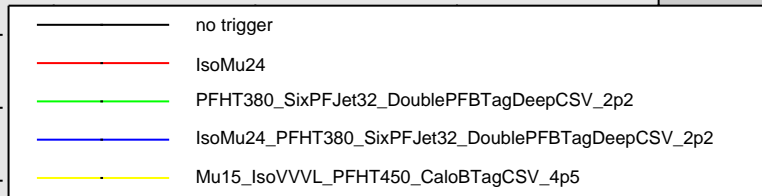
**Event Limit:** None (see last page)

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

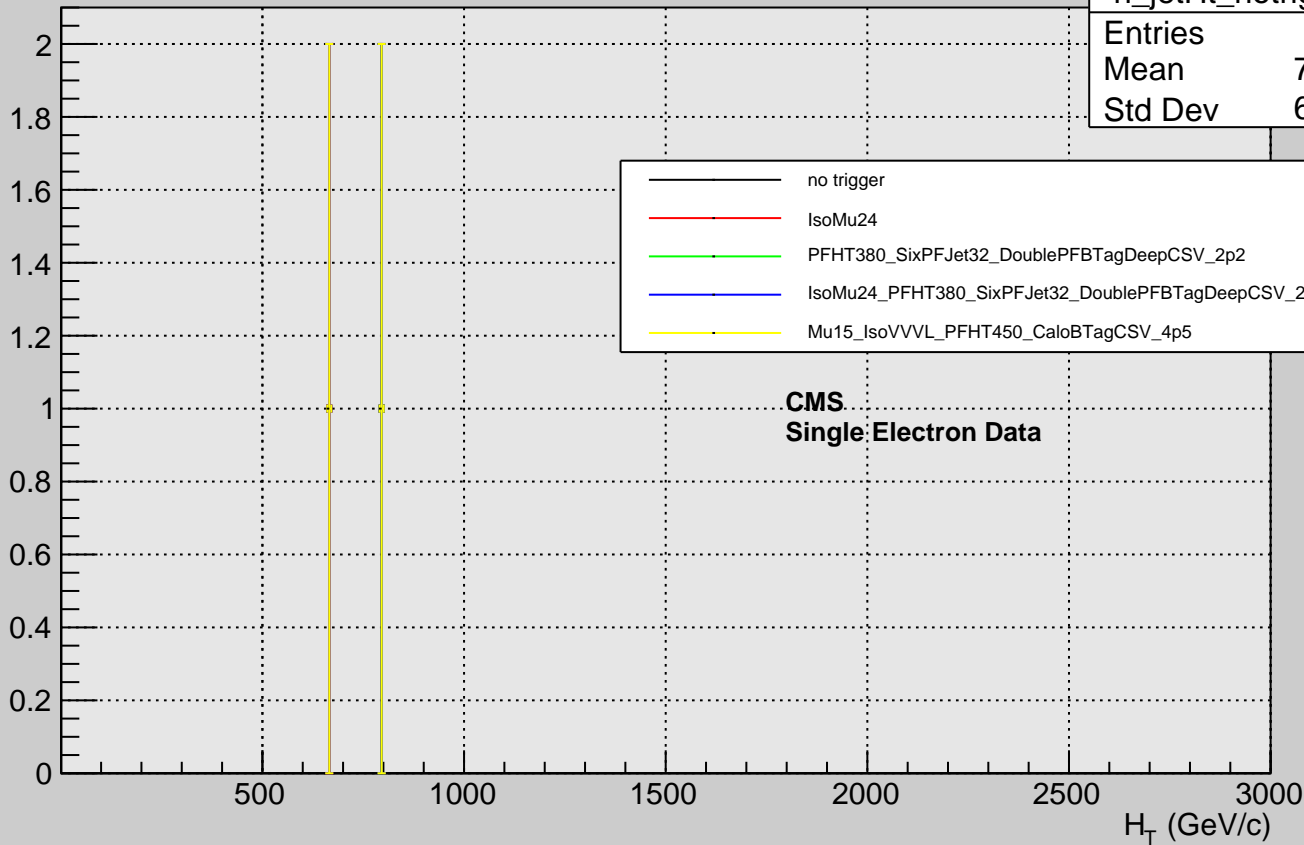
- **Jets:**  $\text{jetId} > 2$  ,  $p_T > 30$  and  $|\eta| < 2.4$  (for at least 6 jets)  
 $\text{btagDeepFlavB} > 0.7489$  (for at least one jet)
- **Muons:** has tightId,  $|\eta| < 2.4$  and  $\text{miniPFRellso\_all} < 0.15$  (for at least 1)

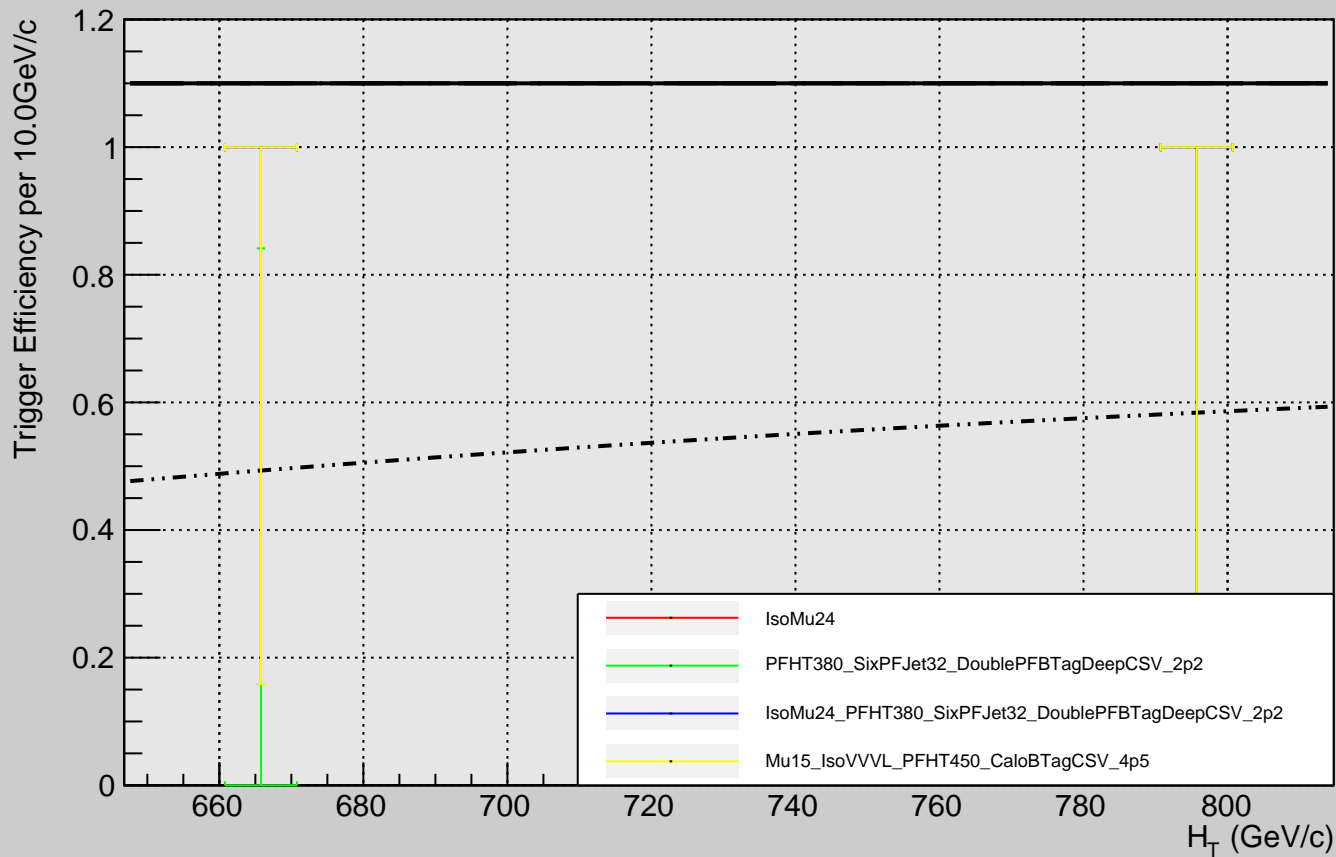
Number of Events per 10 GeV/c

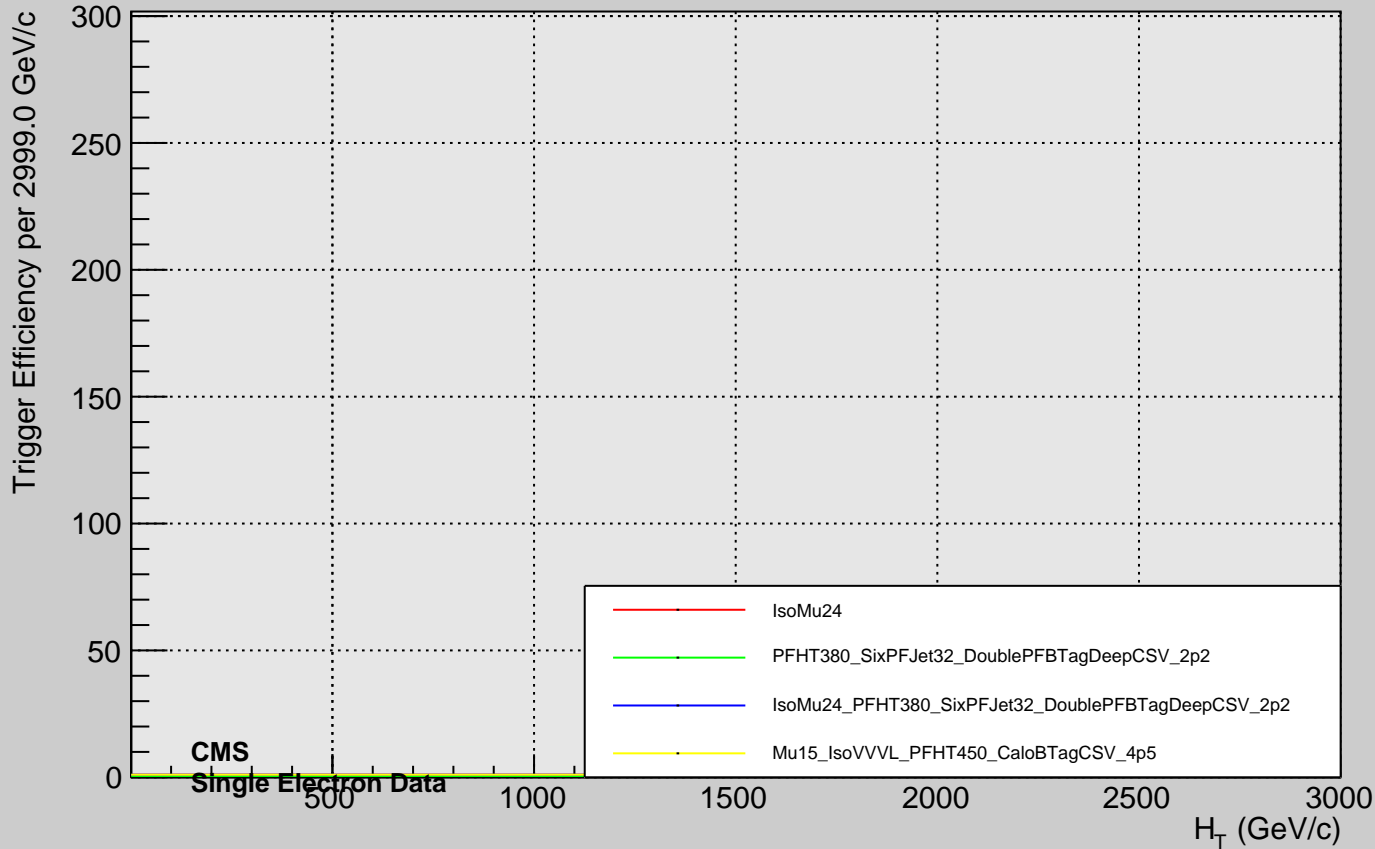
h_jetHt_notrigger	
Entries	2
Mean	734.7
Std Dev	64.12



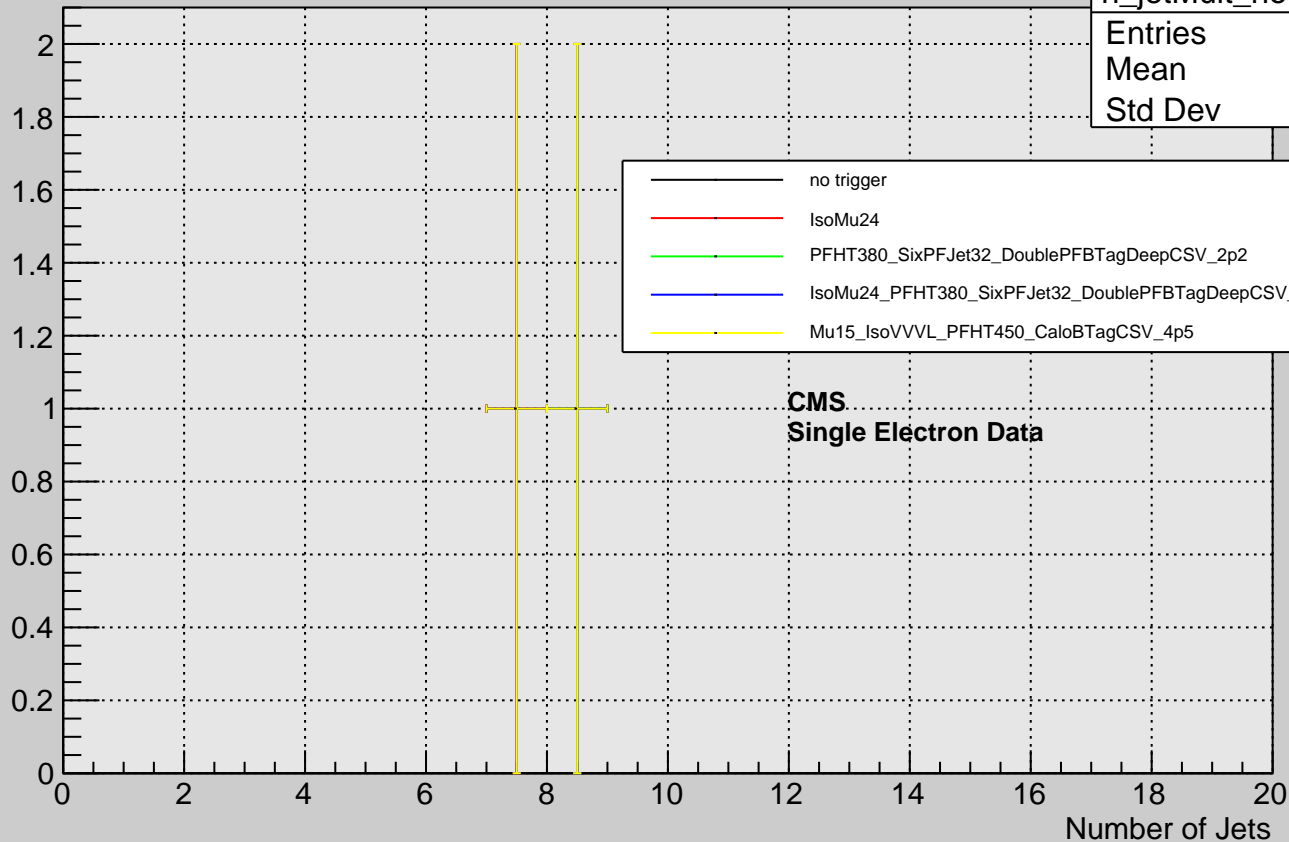
**CMS**  
**Single Electron Data**

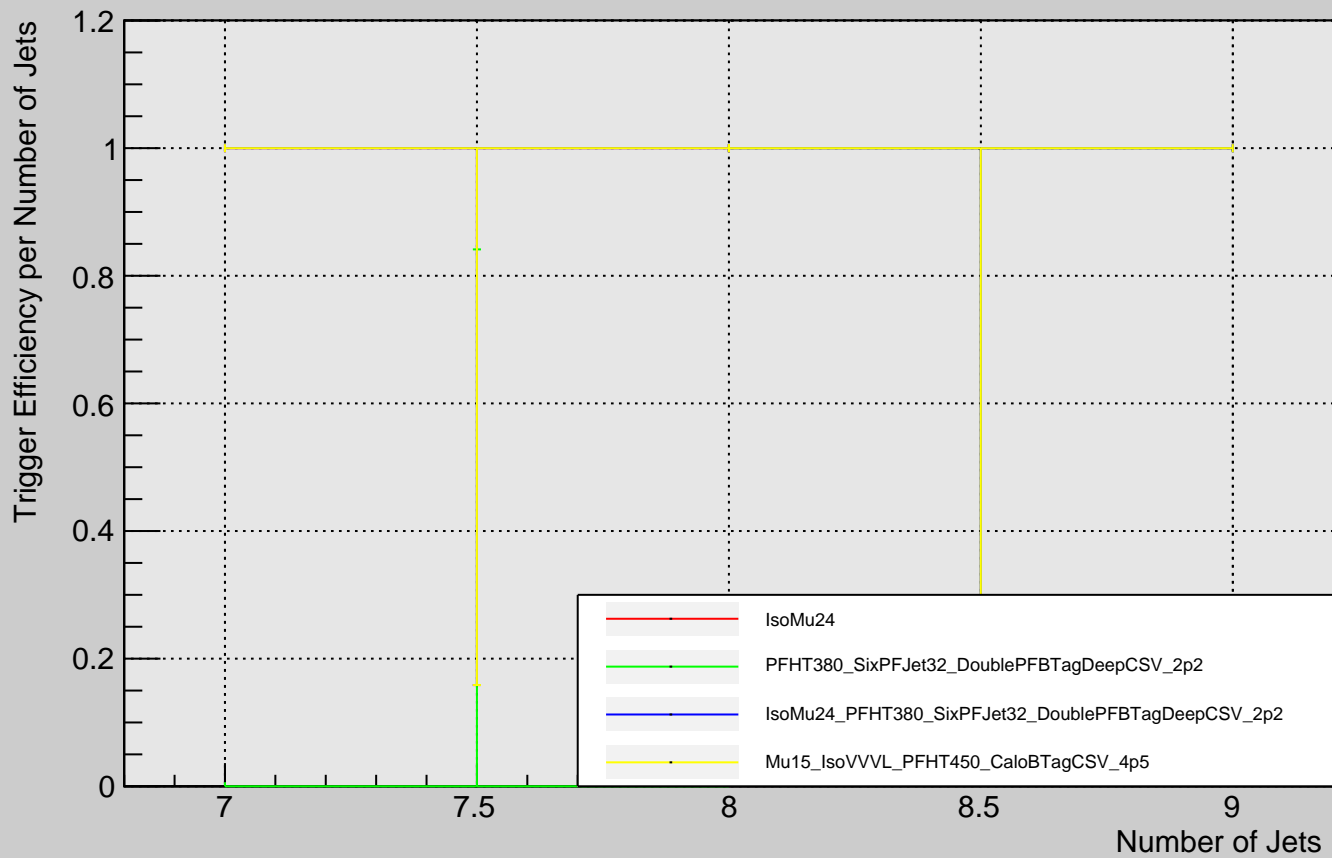


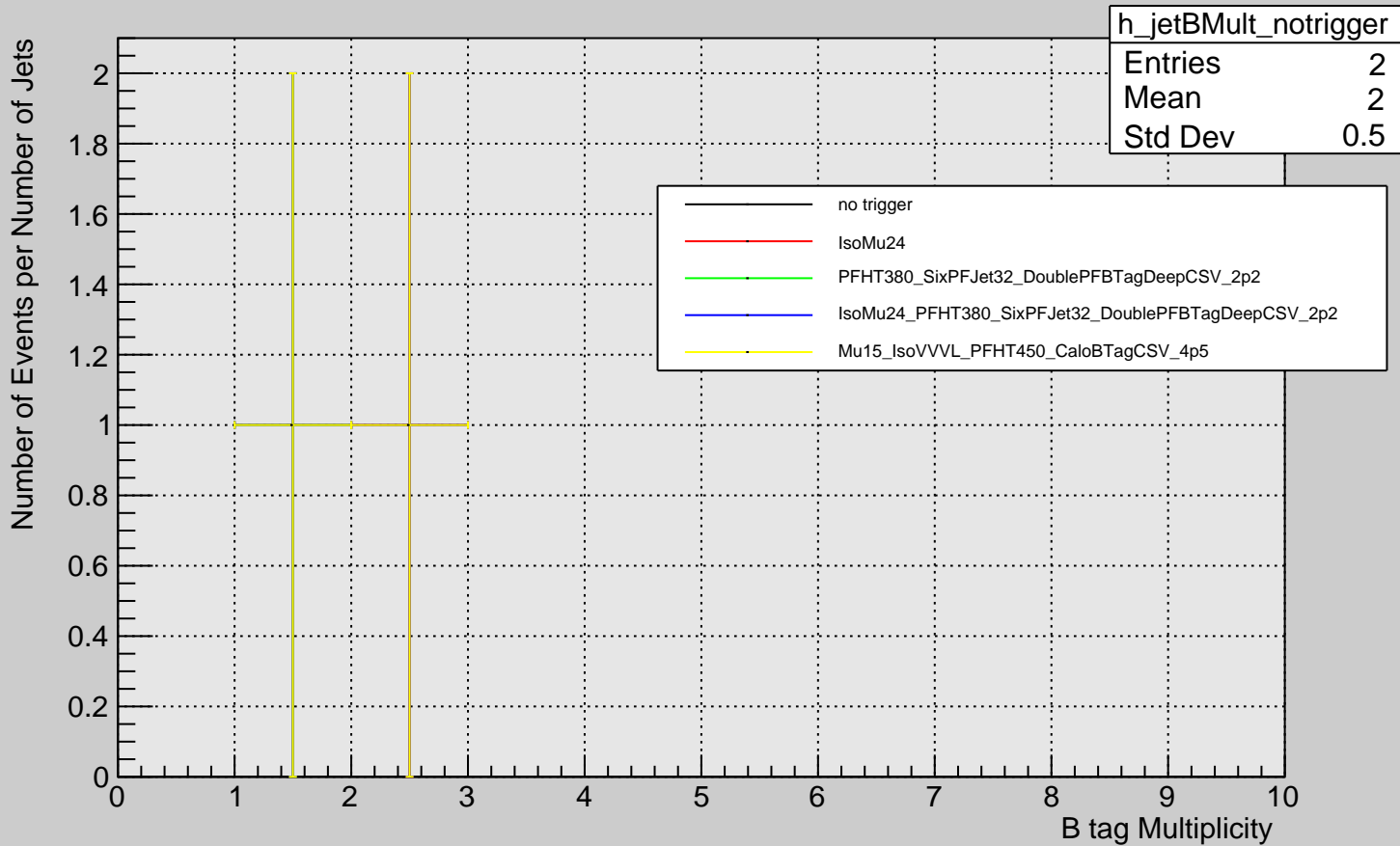


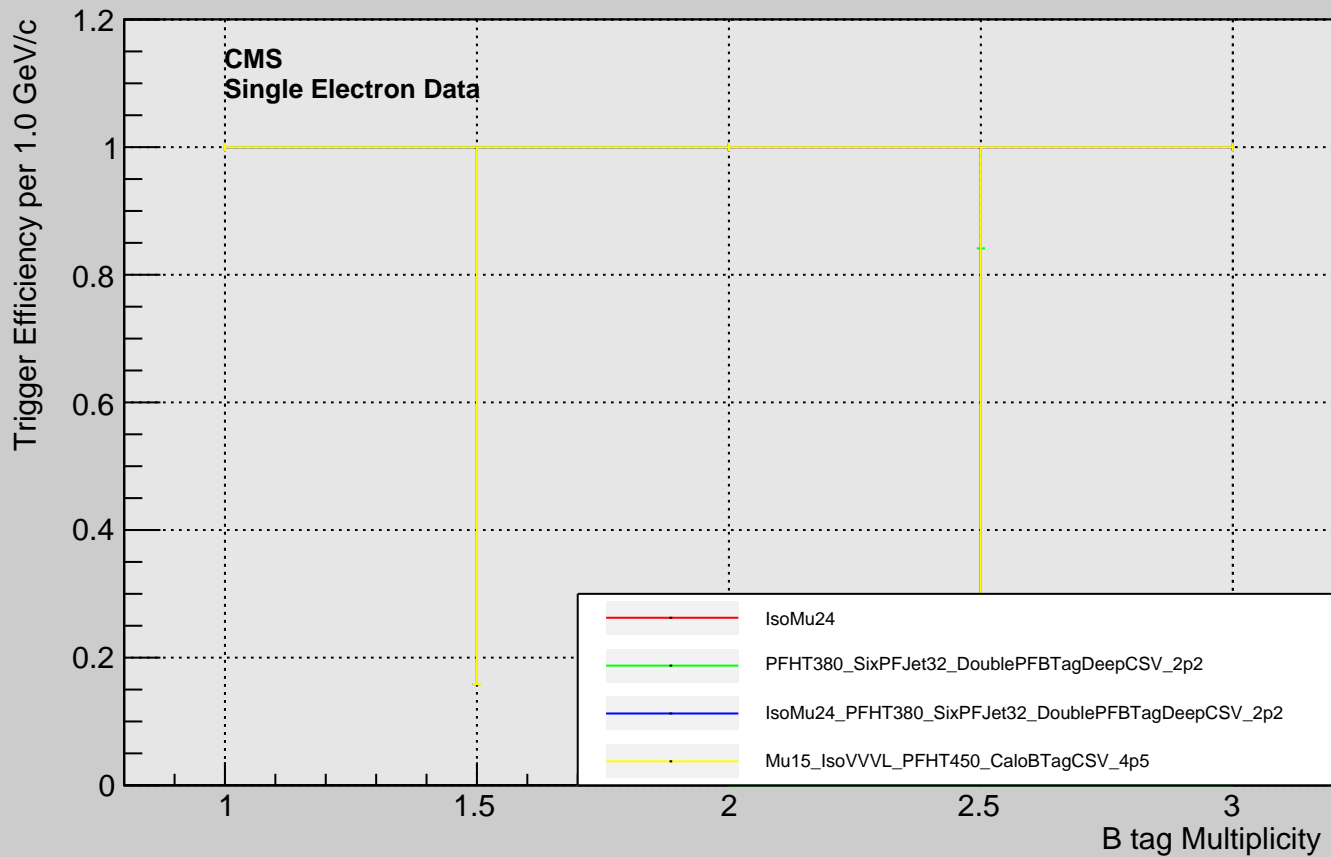


Number of Events per Number of Jets

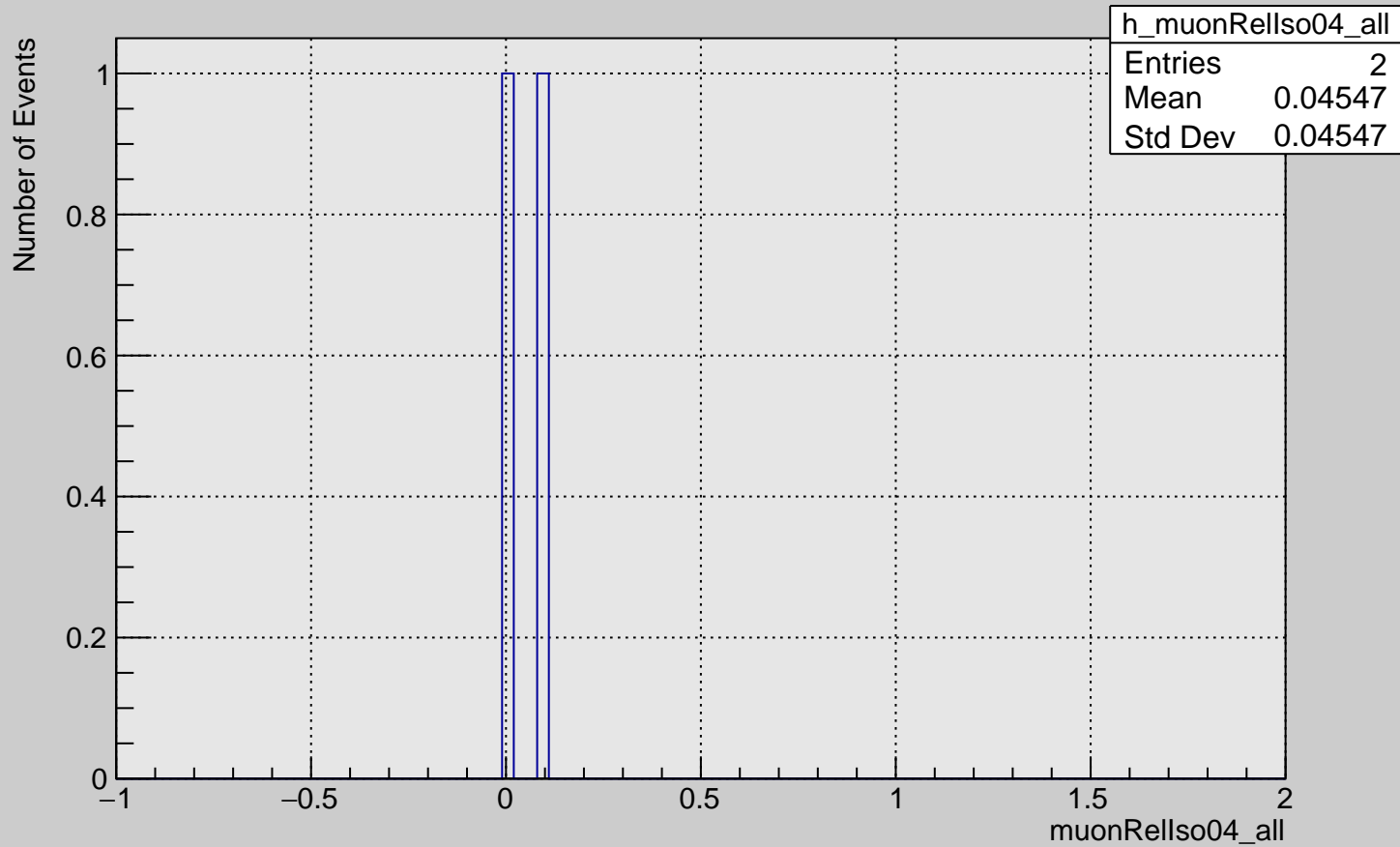








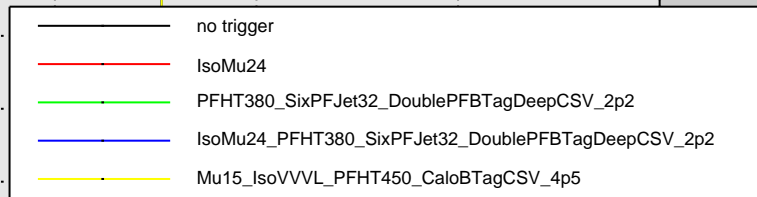




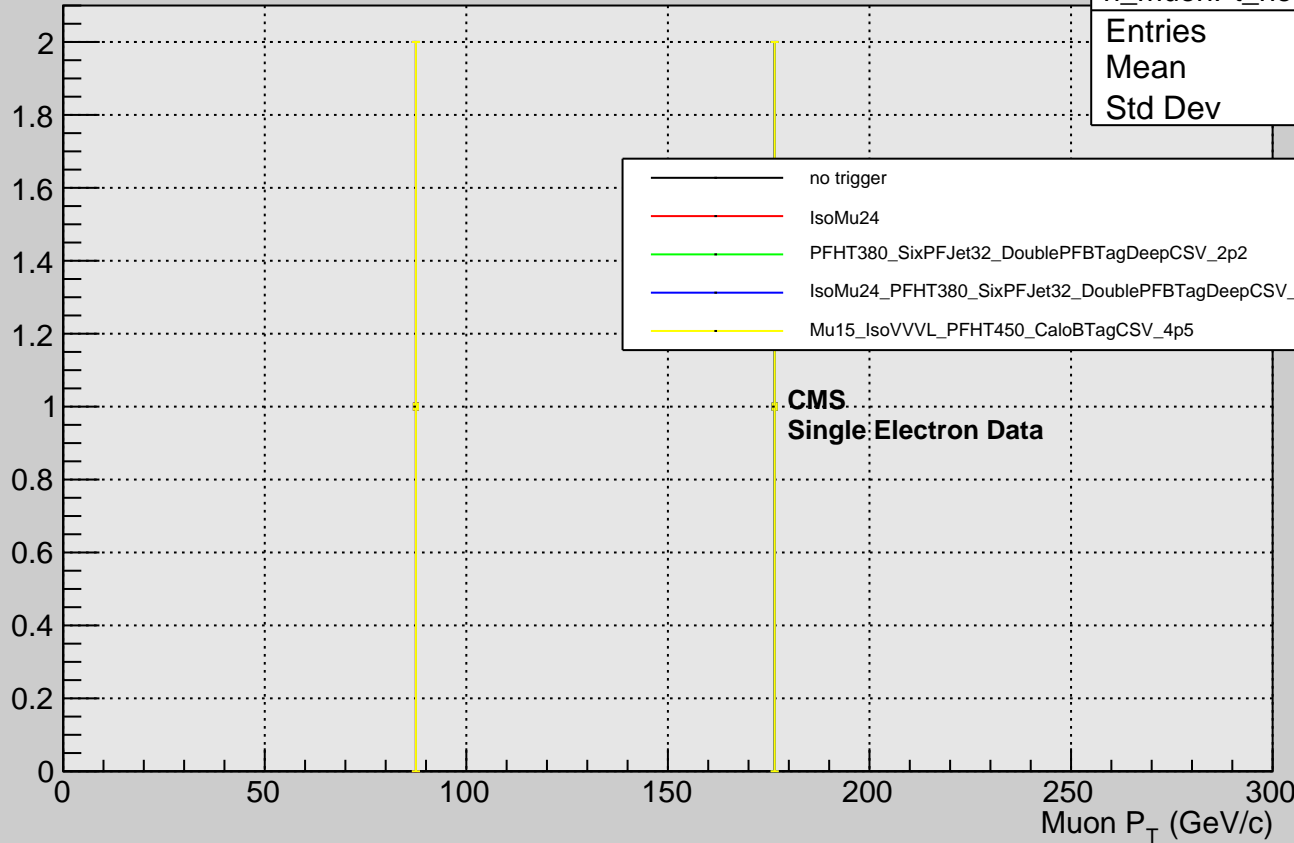
Number of Events per 1 GeV/c

h\_muonPt\_notrigger

Entries	2
Mean	132
Std Dev	44.91



**CMS**  
**Single Electron Data**



Number of Events per 1 GeV/c

h\_muonPt\_notrigger

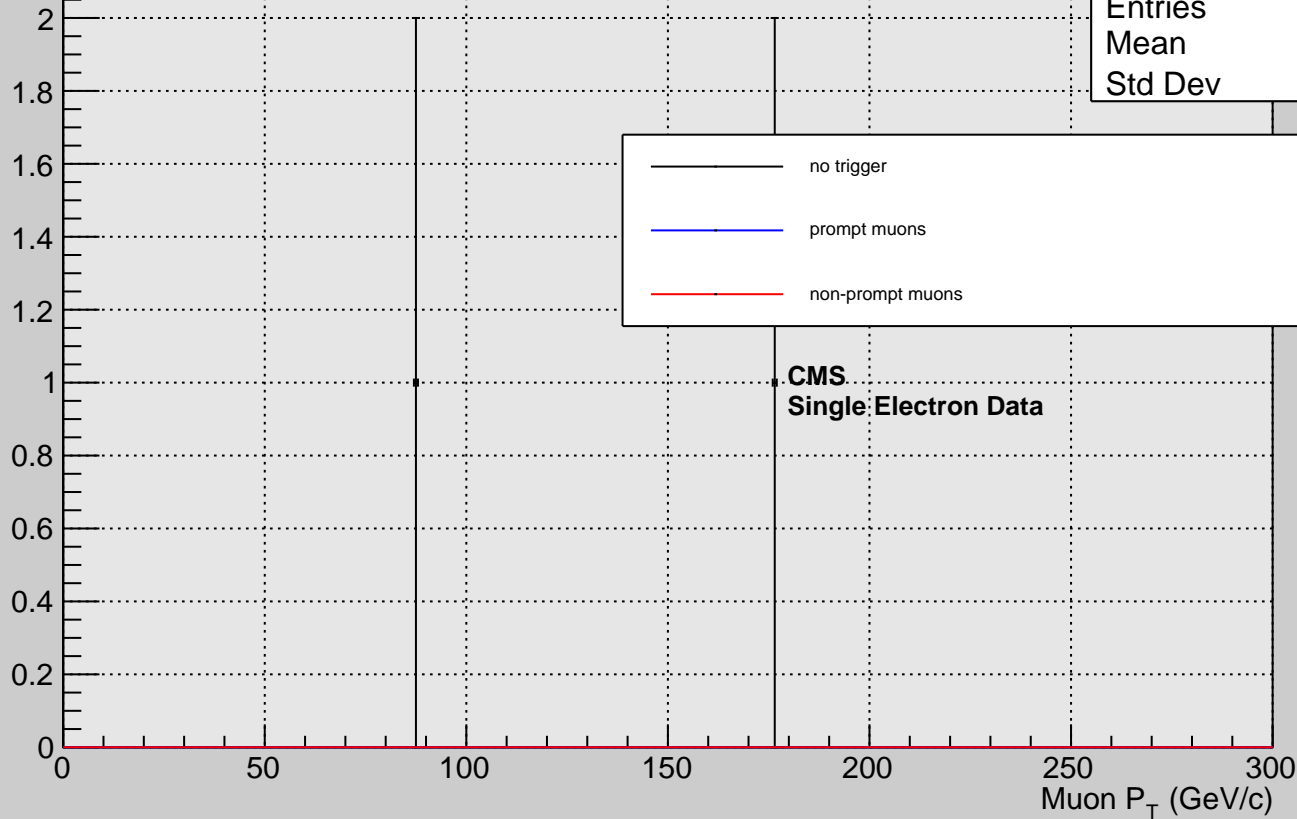
Entries 2

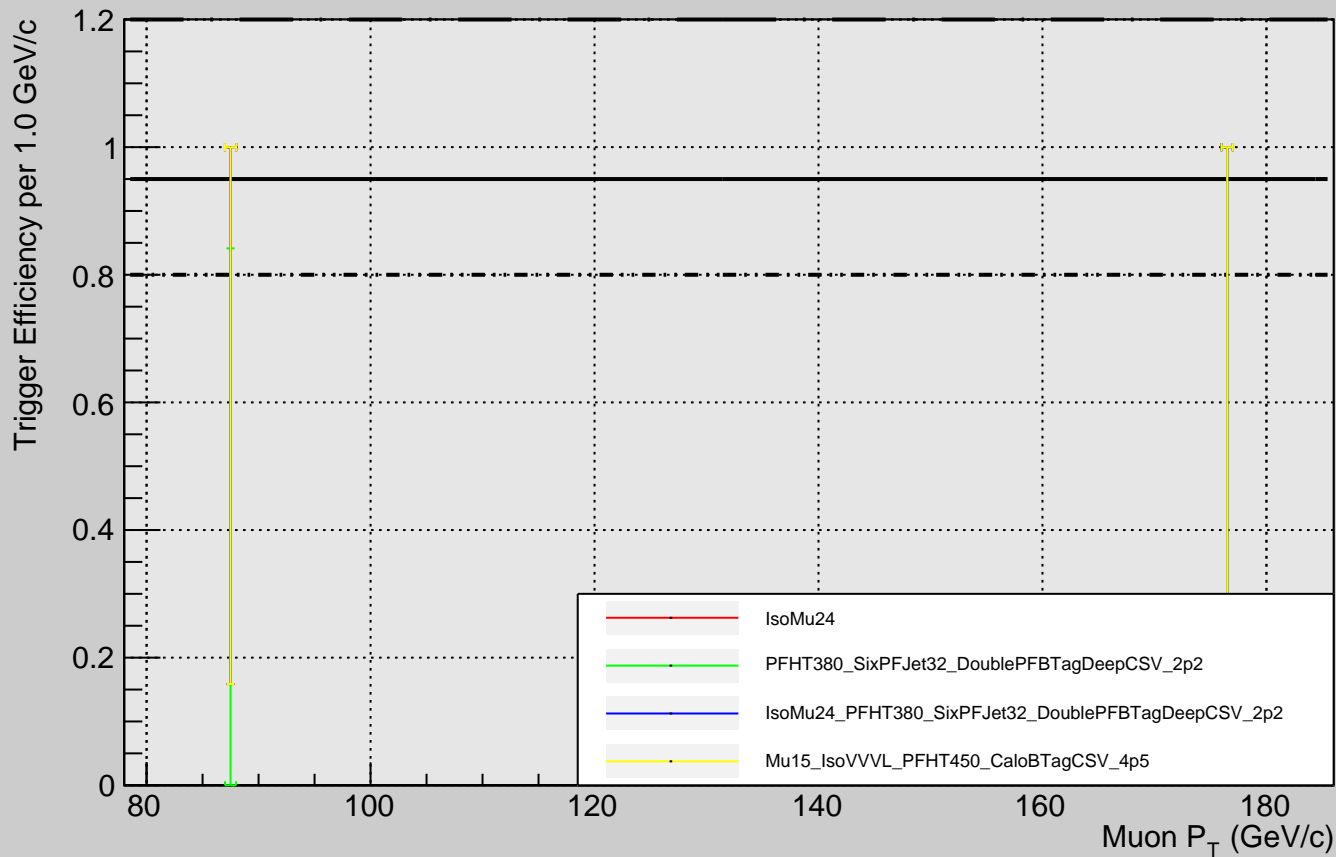
Mean 132

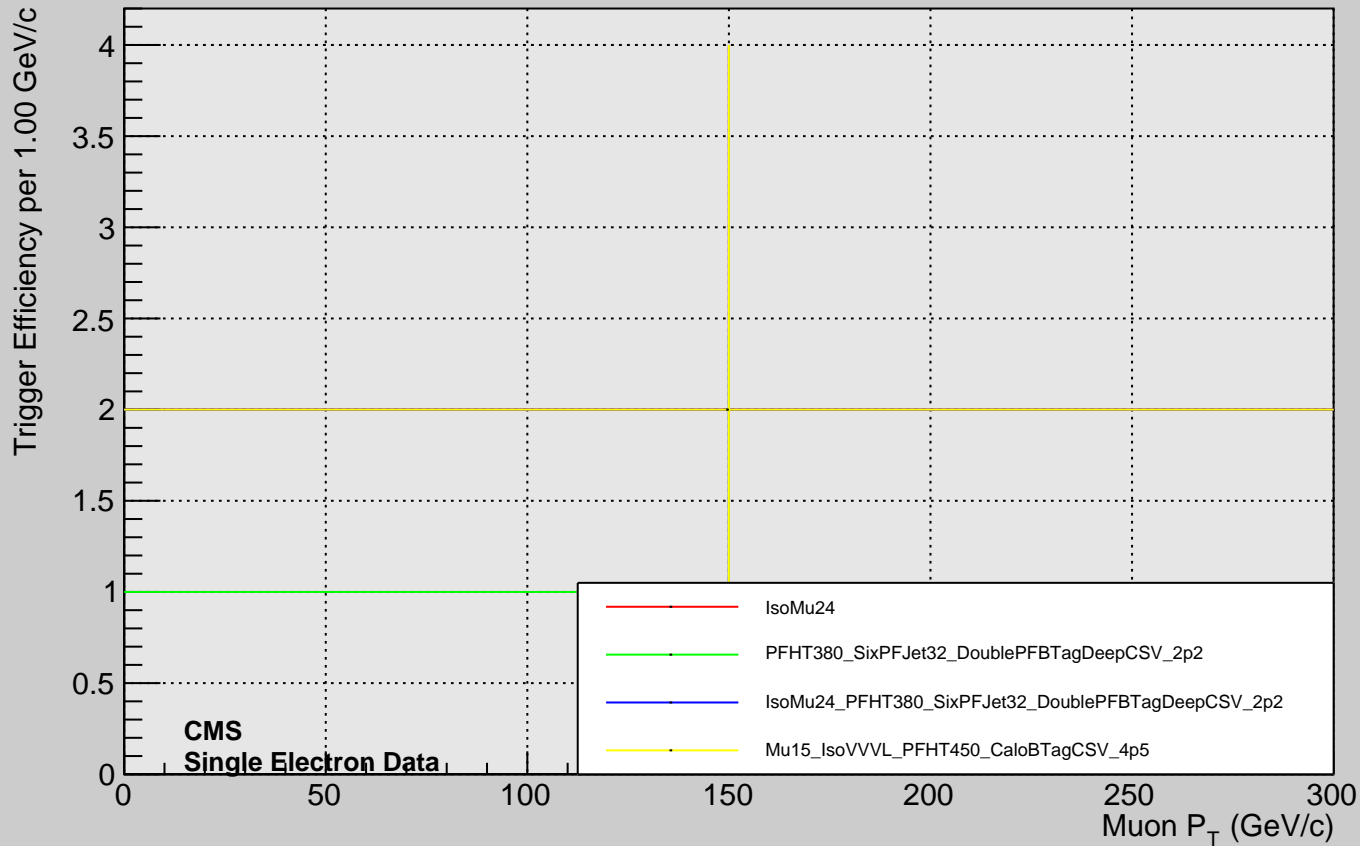
Std Dev 44.91

no trigger  
prompt muons  
non-prompt muons

**CMS**  
**Single Electron Data**



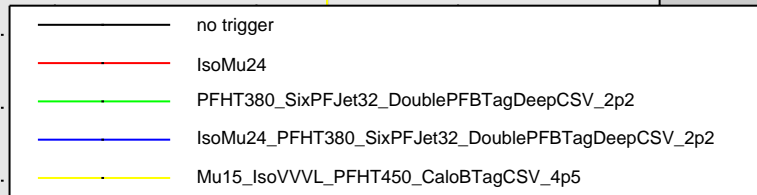




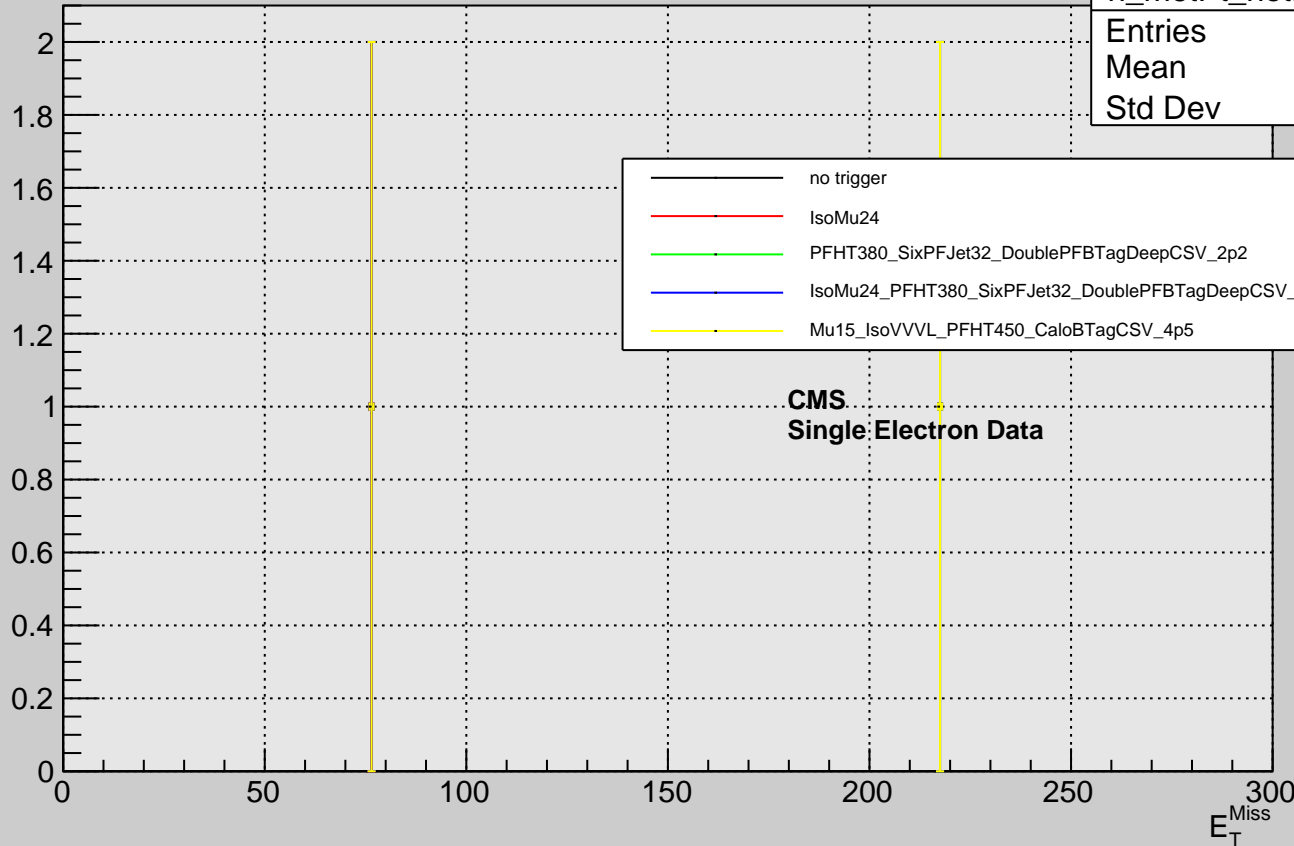
Number of Events per 1 GeV/c

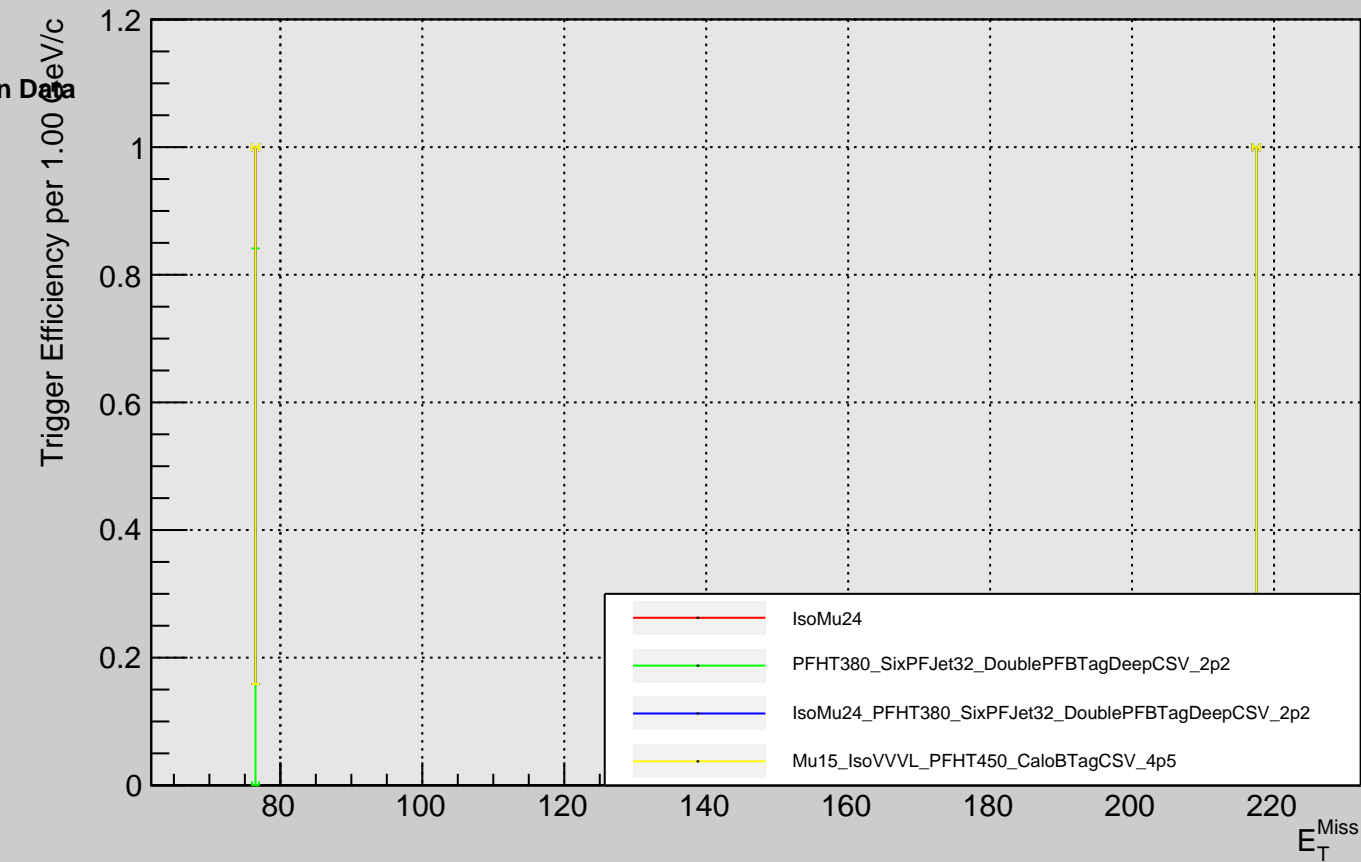
h\_metPt\_notrigger

Entries	2
Mean	146.7
Std Dev	70.38

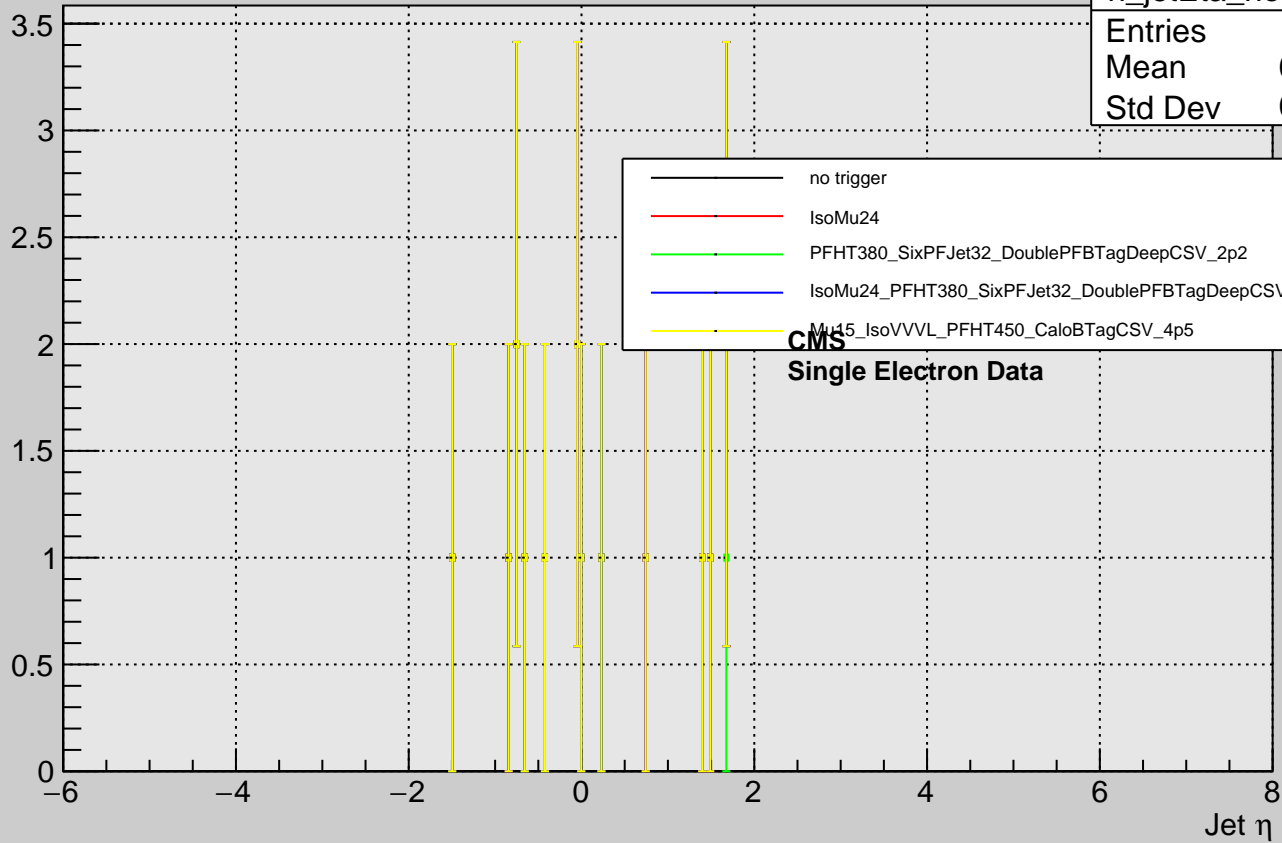


**CMS**  
**Single Electron Data**



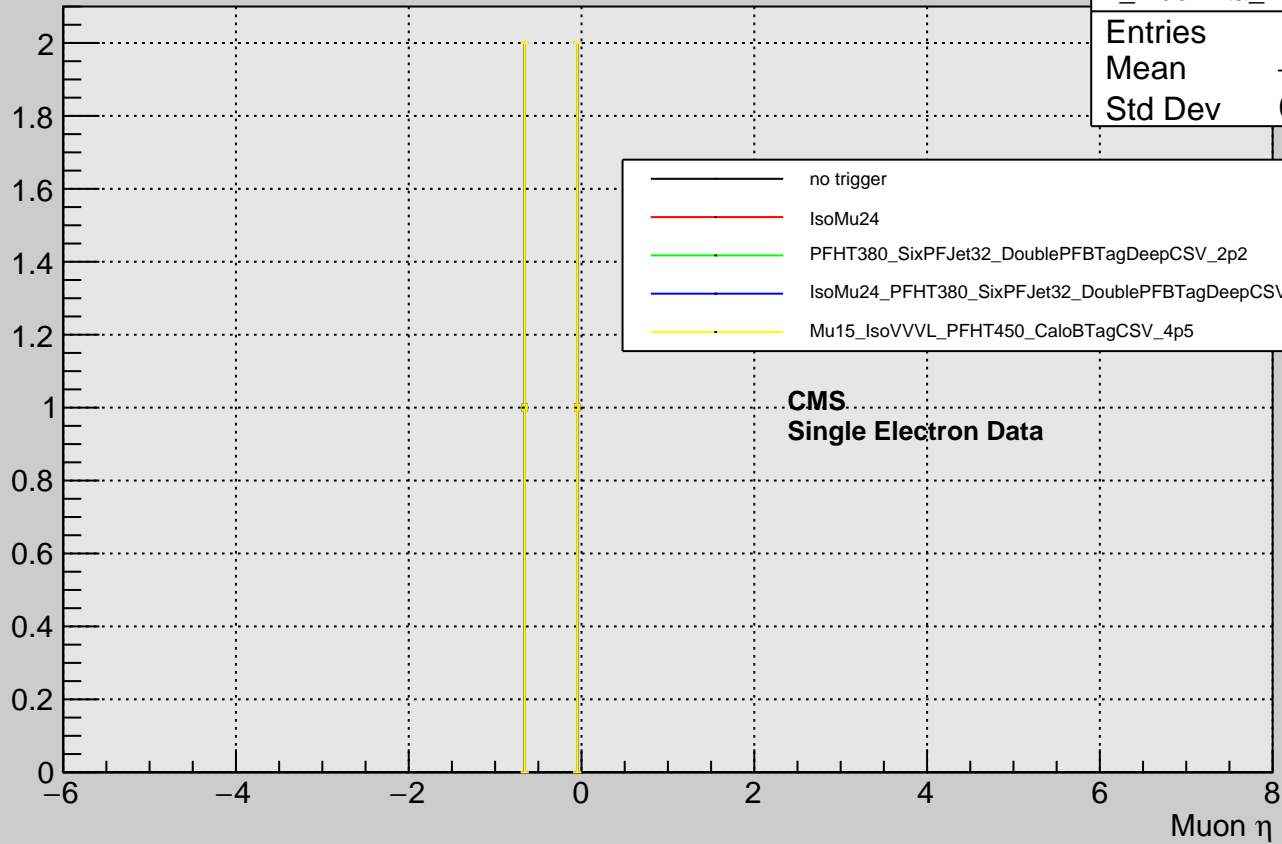


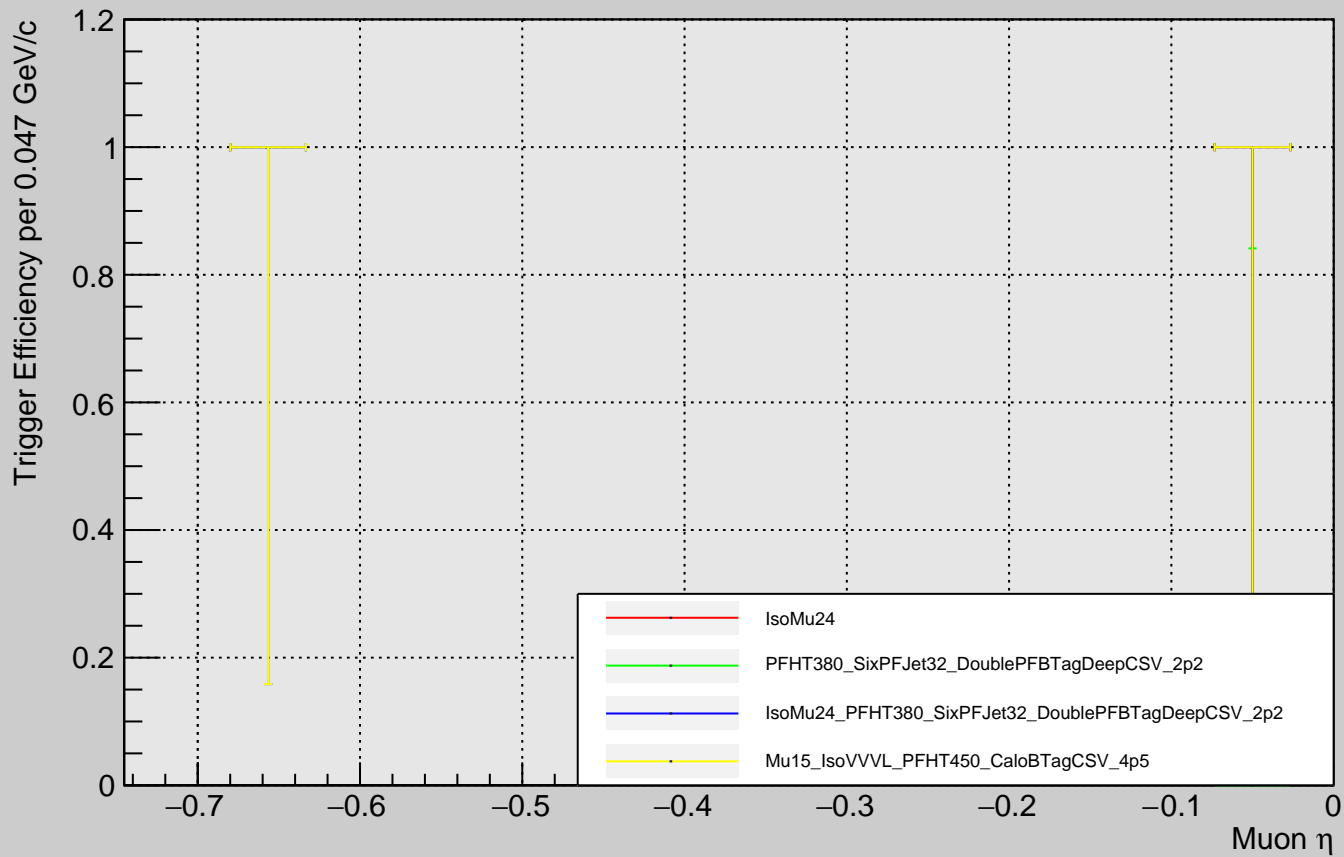
Number of Events per  $\delta\eta = 0.046$



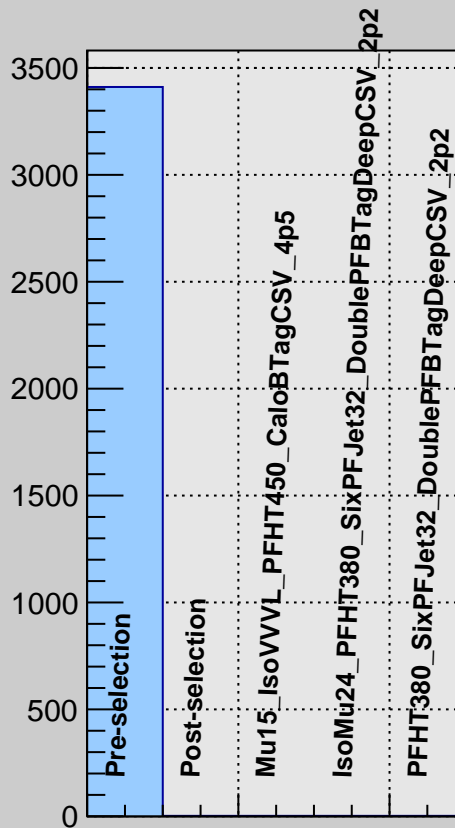


Number of Events per  $\delta\eta = 0.046$





Total Number of Accepted Events



Cuts and Triggers

h_eventsPrg	
Entries	3420
Mean	0.00731
Std Dev	0.1575