

On-line (pre-)selection Requisites for:

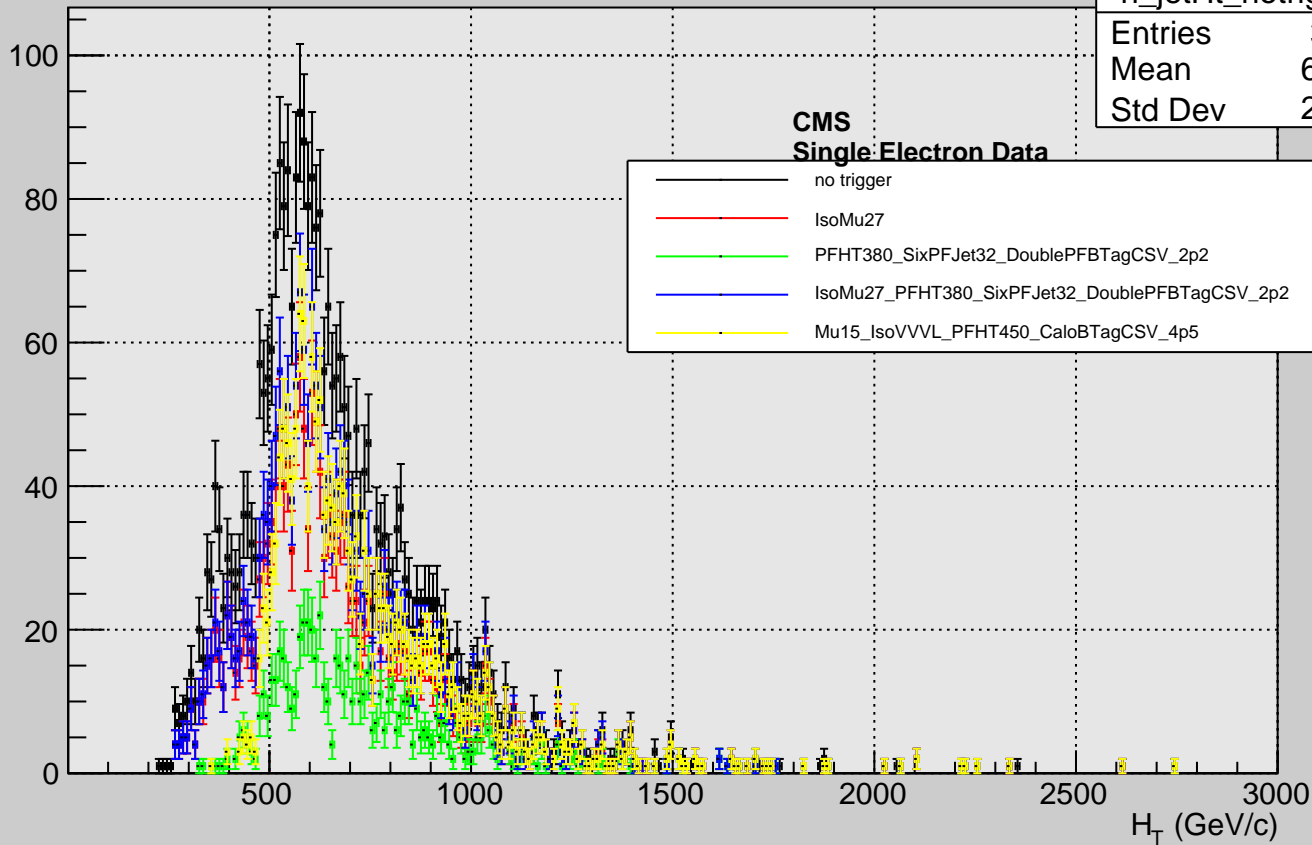
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

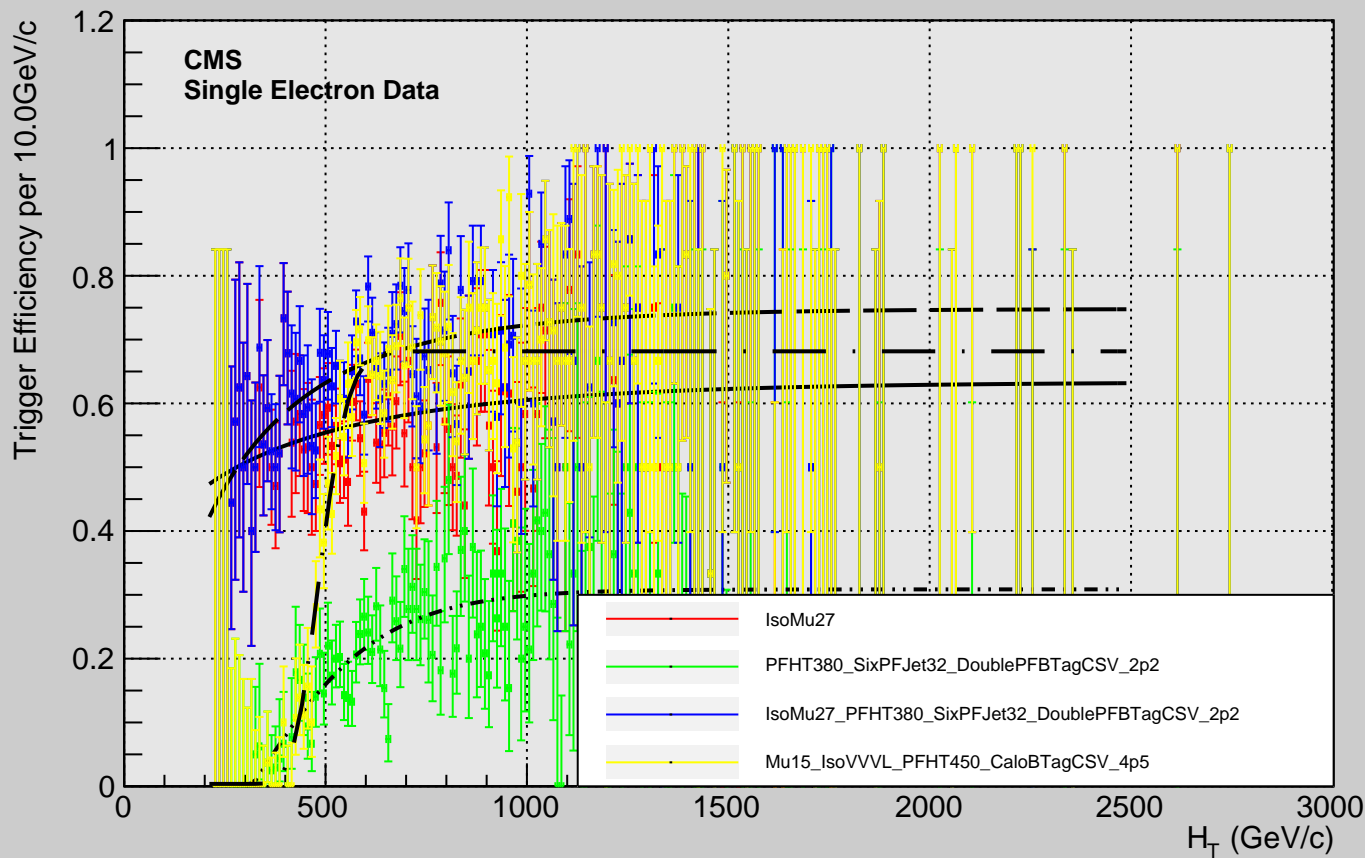
Event Limit: None (see last page)

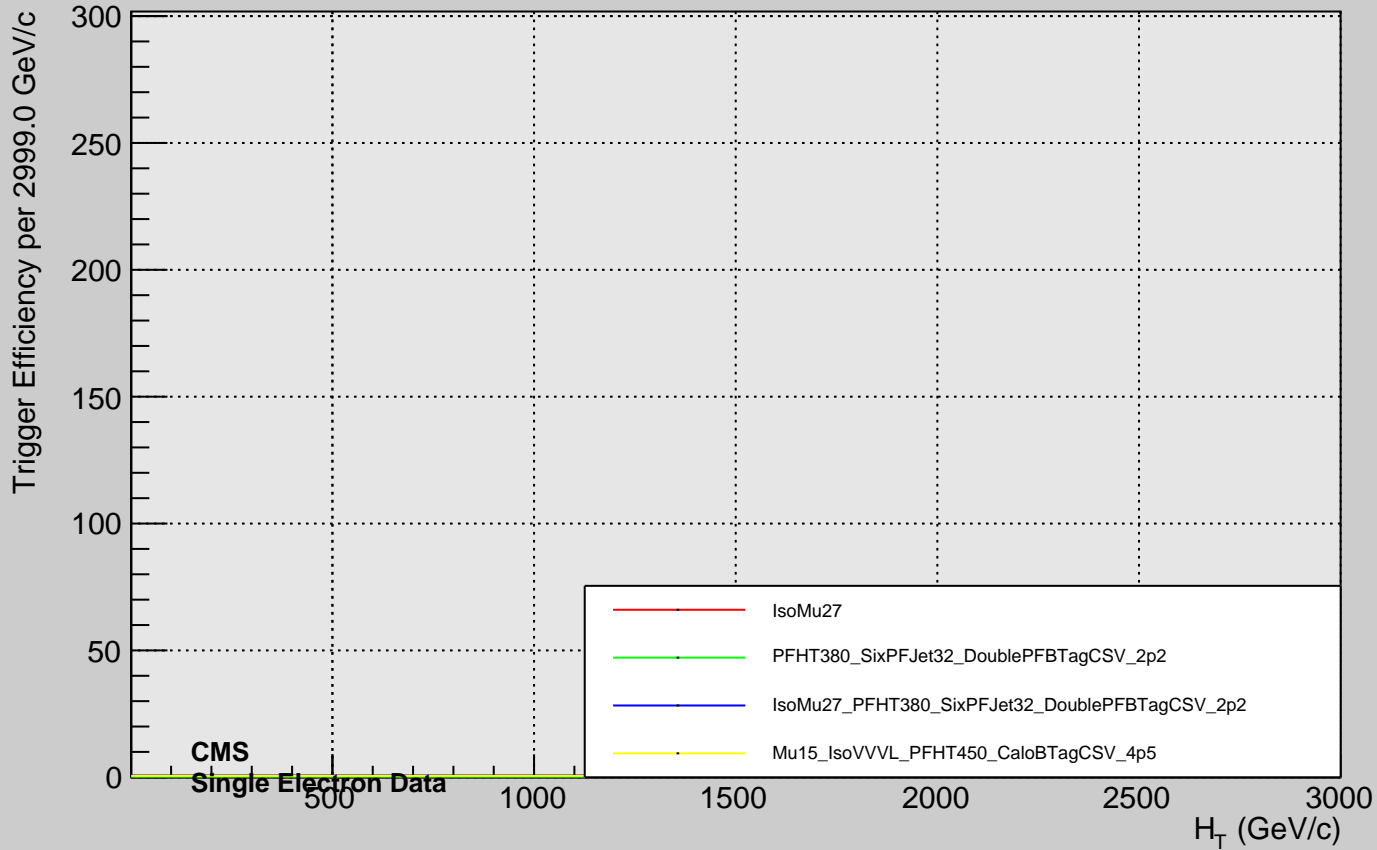
Off-line (post-)selection Requisites for:

- **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)

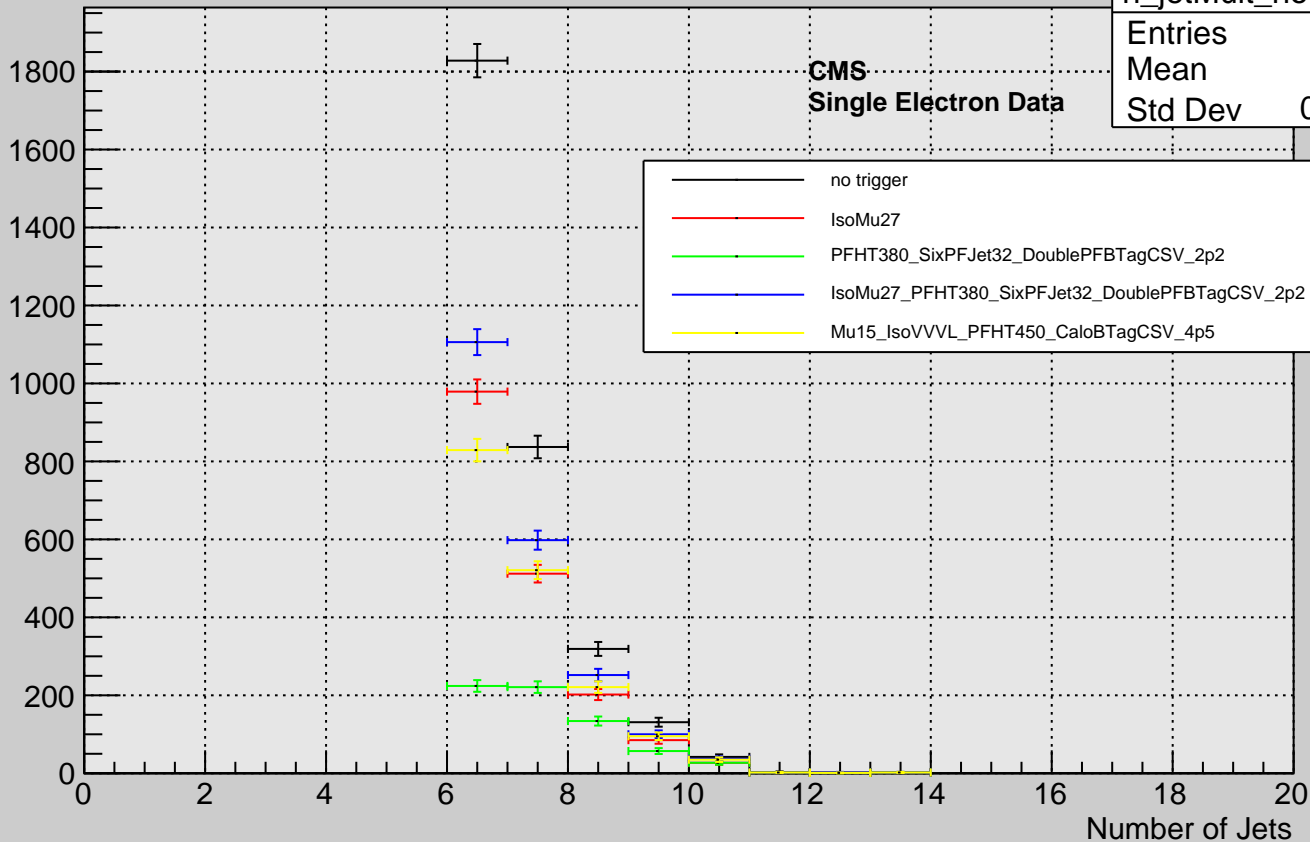
Number of Events per 10 GeV/c

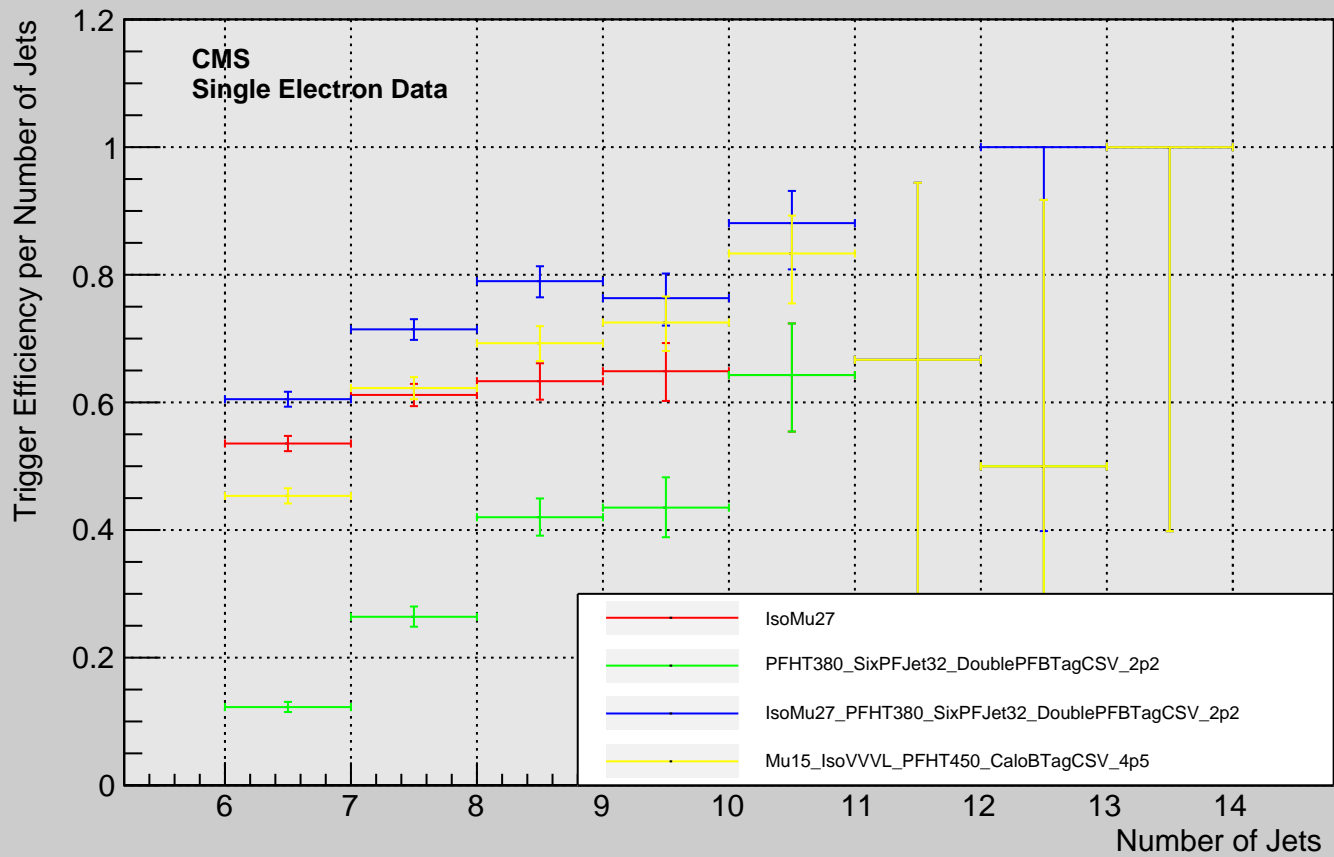




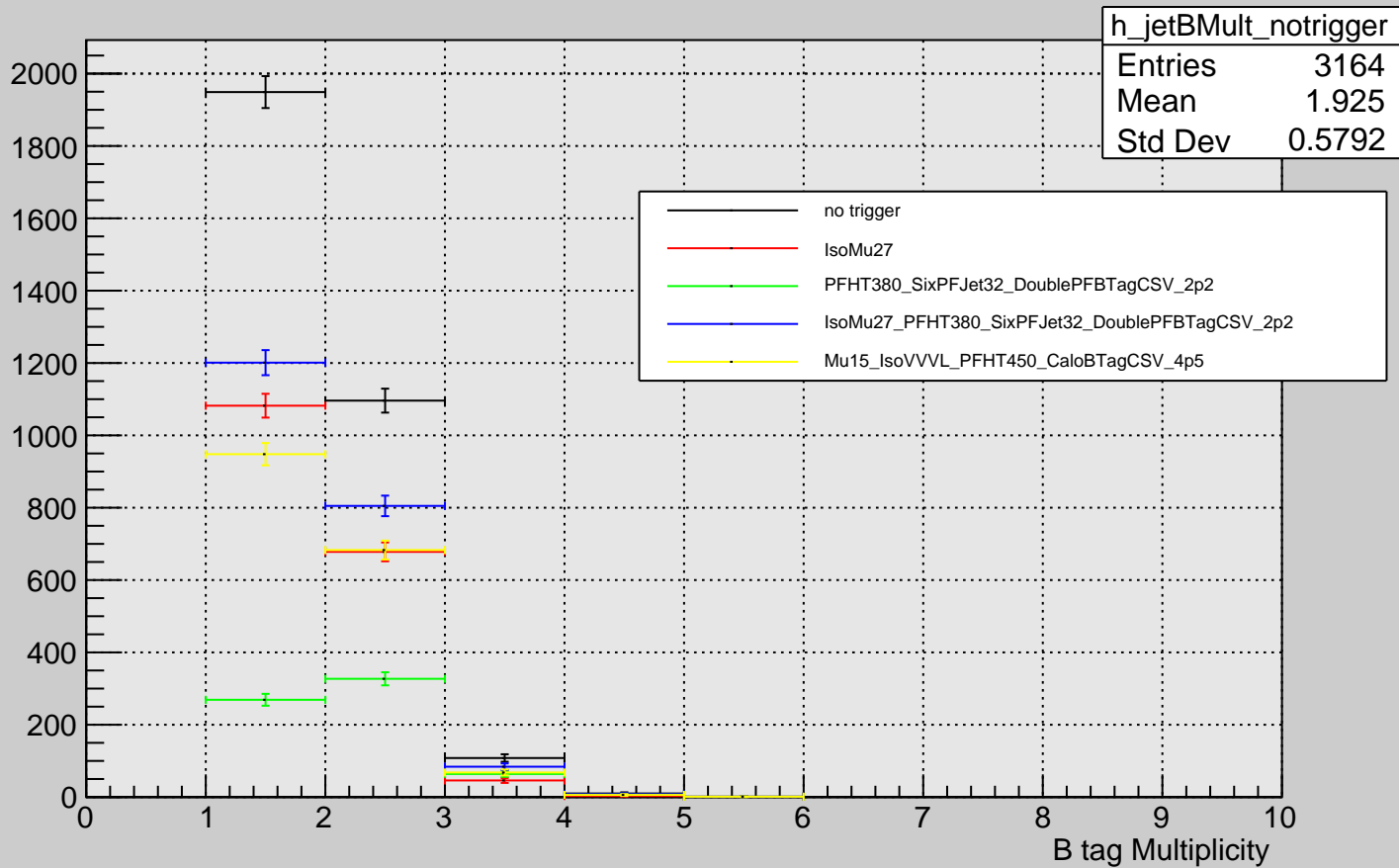


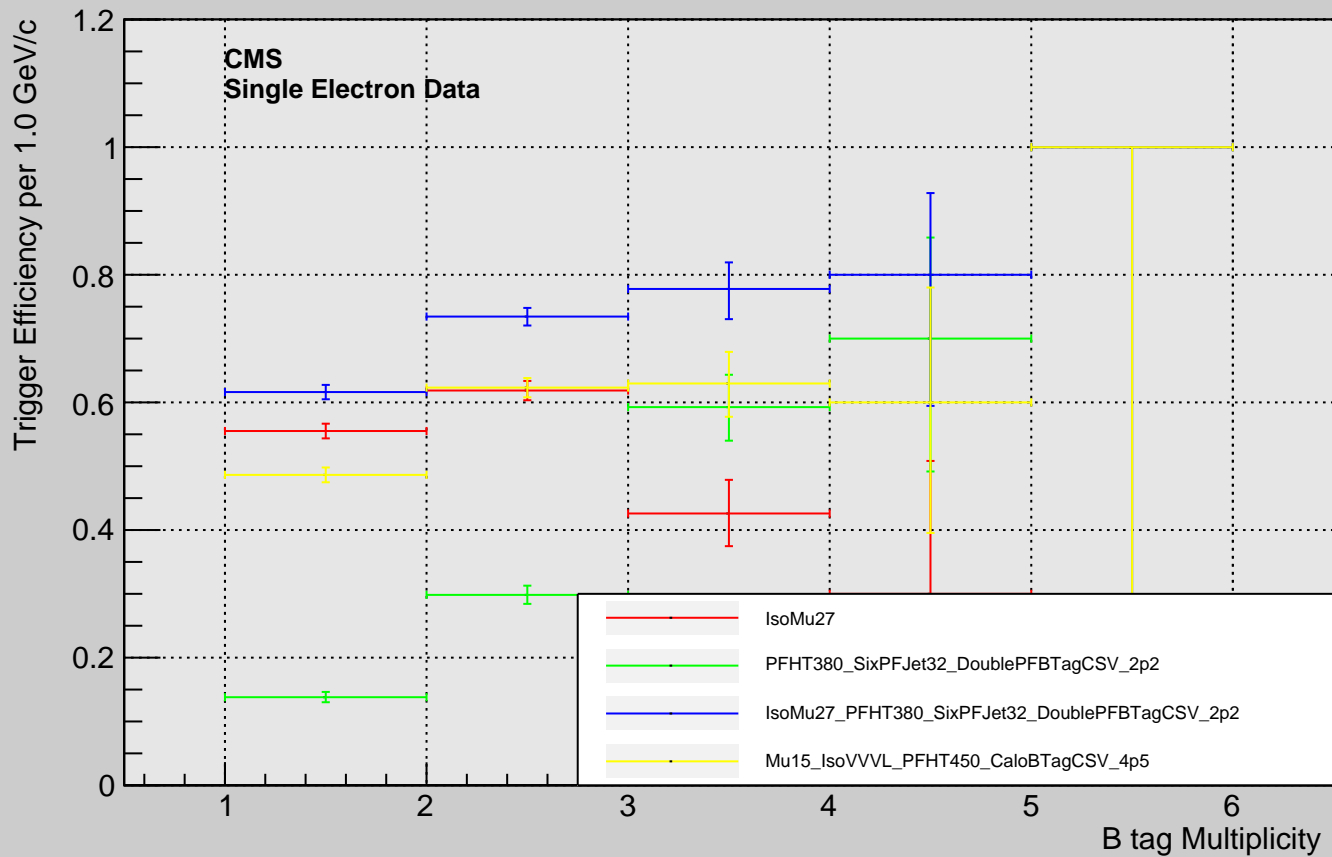
Number of Events per Number of Jets



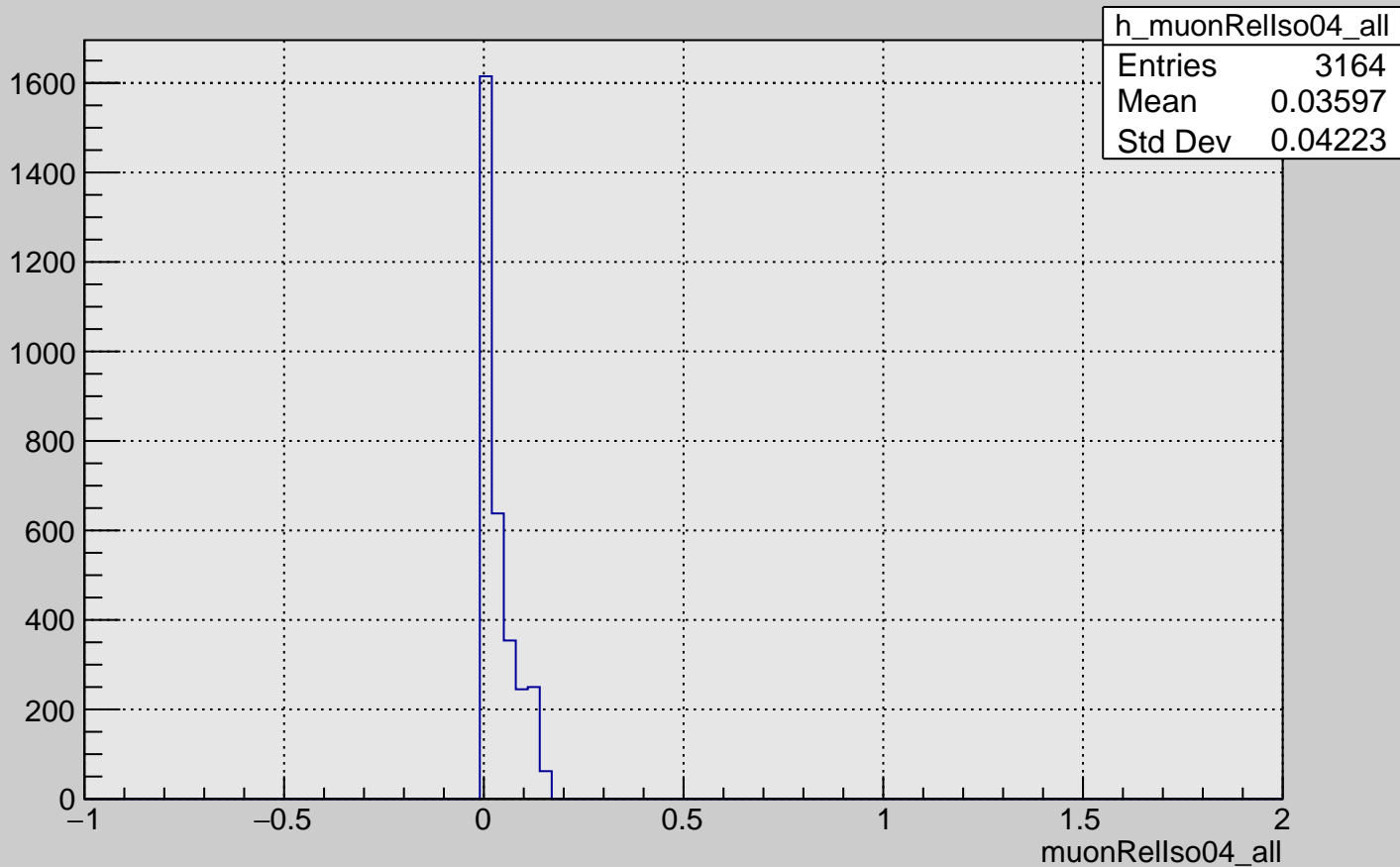


Number of Events per Number of Jets

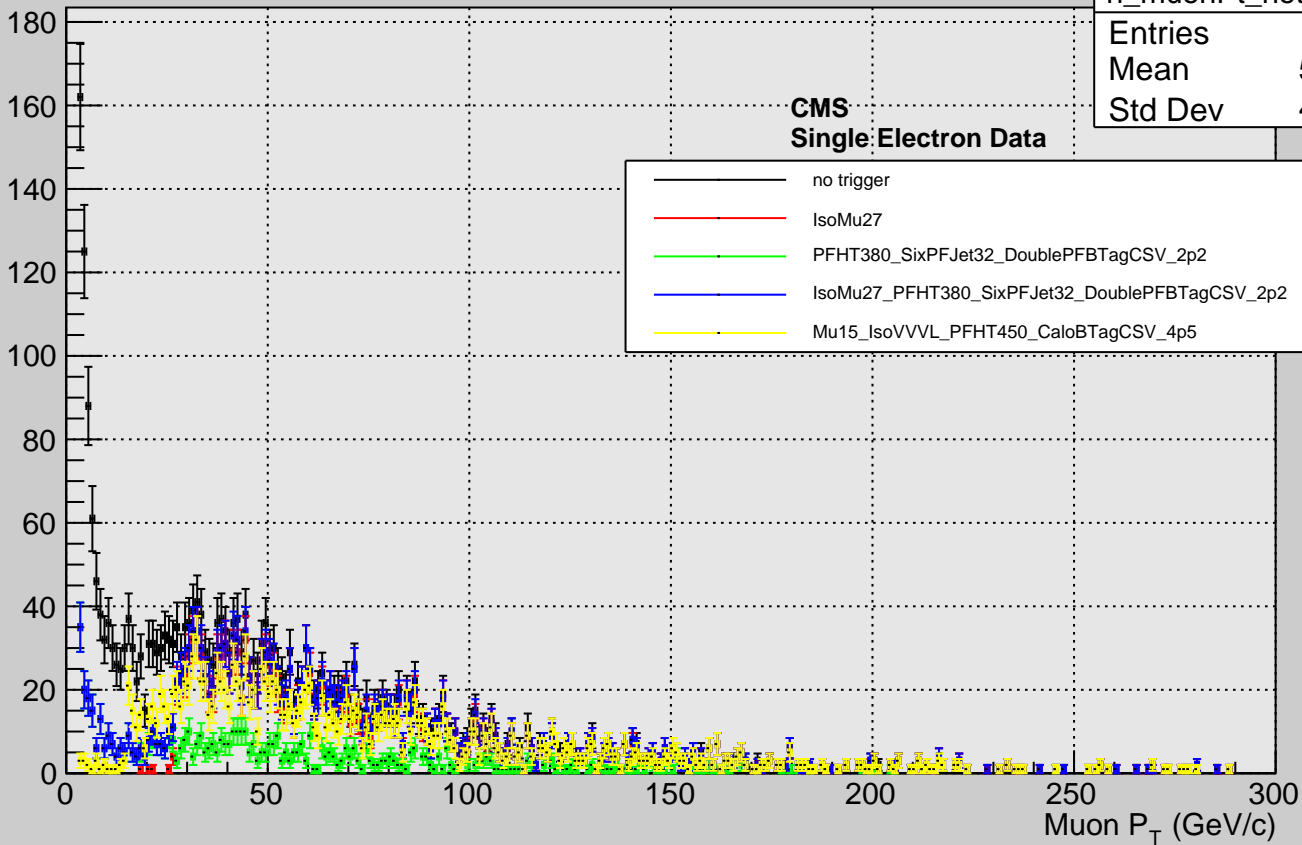




Number of Events



Number of Events per 1 GeV/c



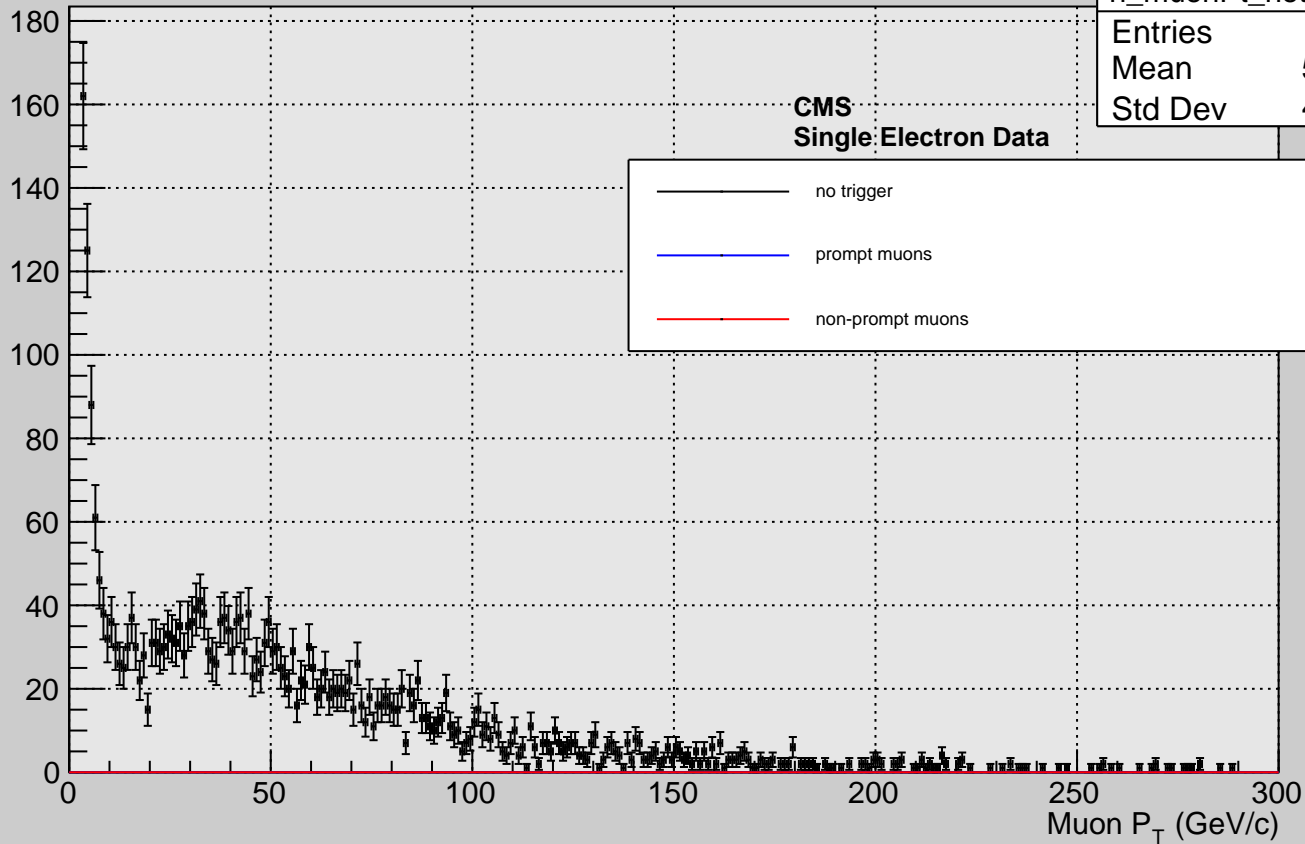
h_muonPt_notrigger

Entries 3164

Mean 55.12

Std Dev 49.25

Number of Events per 1 GeV/c

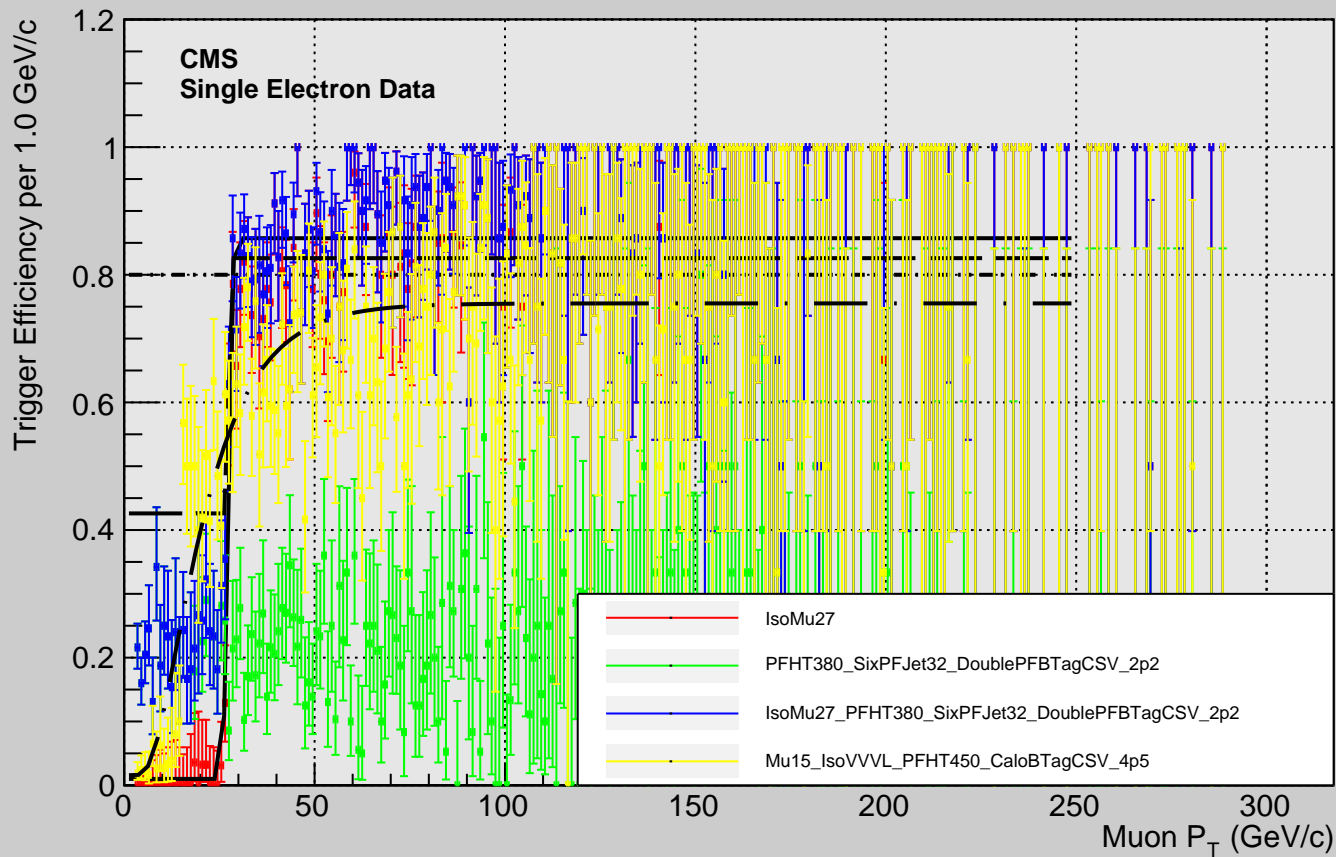


h_muonPt_notrigger

Entries 3164

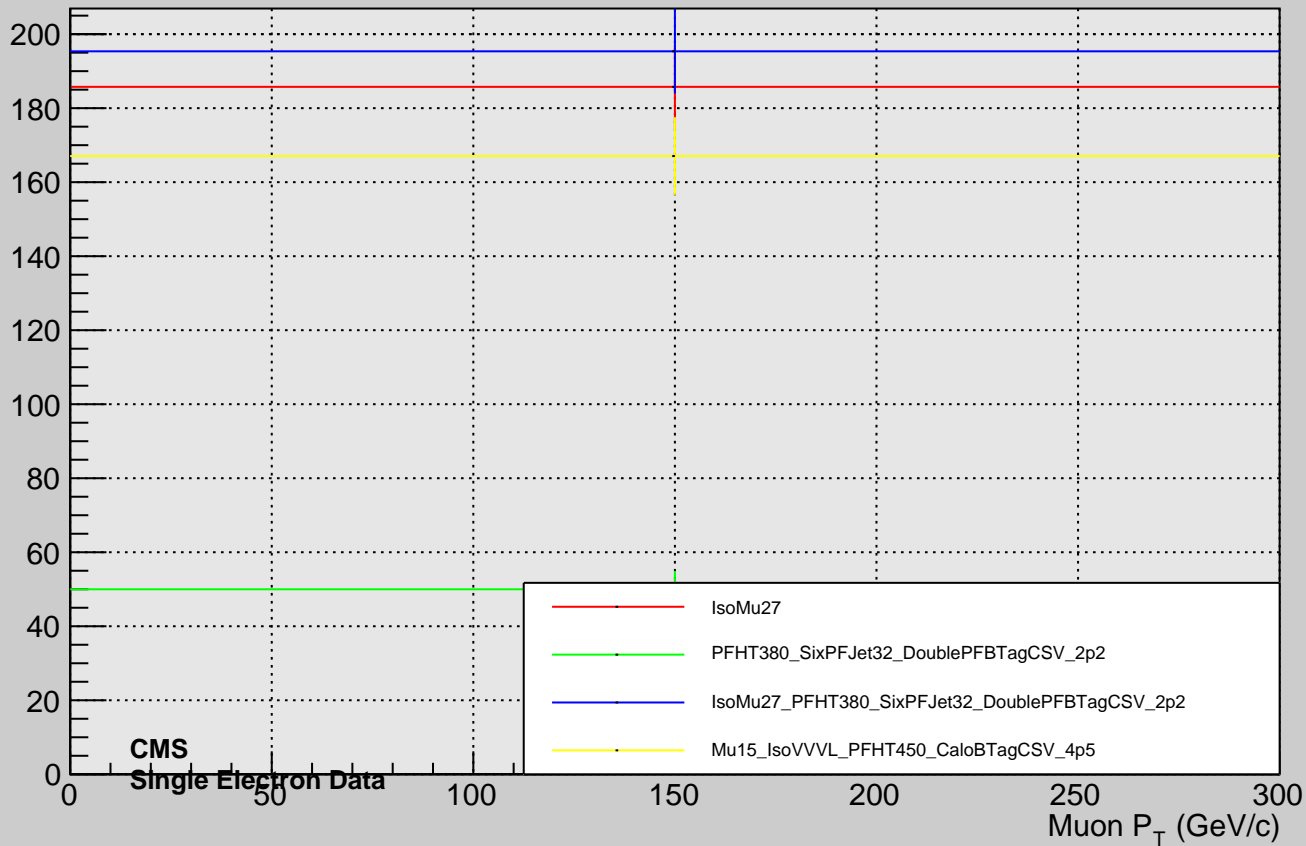
Mean 55.12

Std Dev 49.25

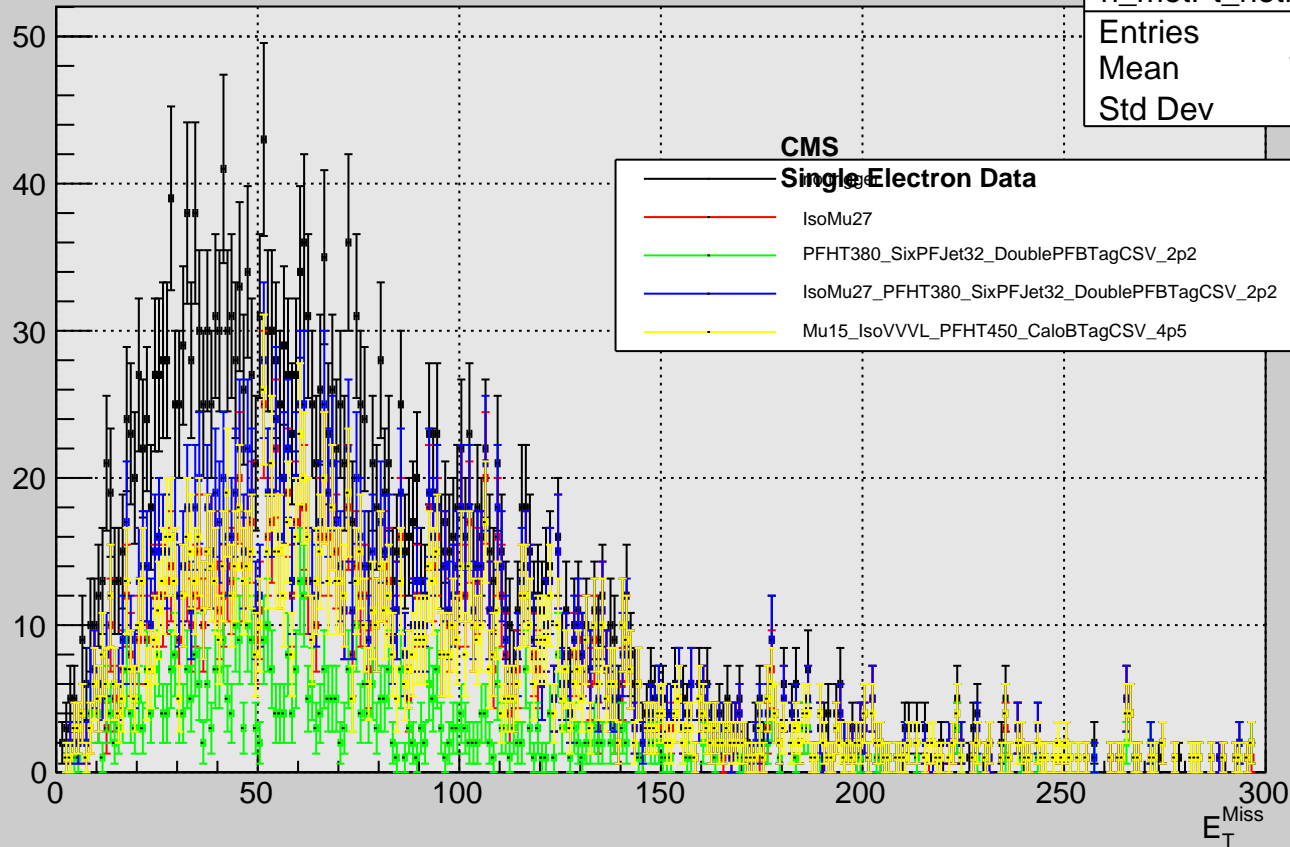


Trigger Efficiency per 1.00 GeV/c

CMS
Single Electron Data



Number of Events per 1 GeV/c

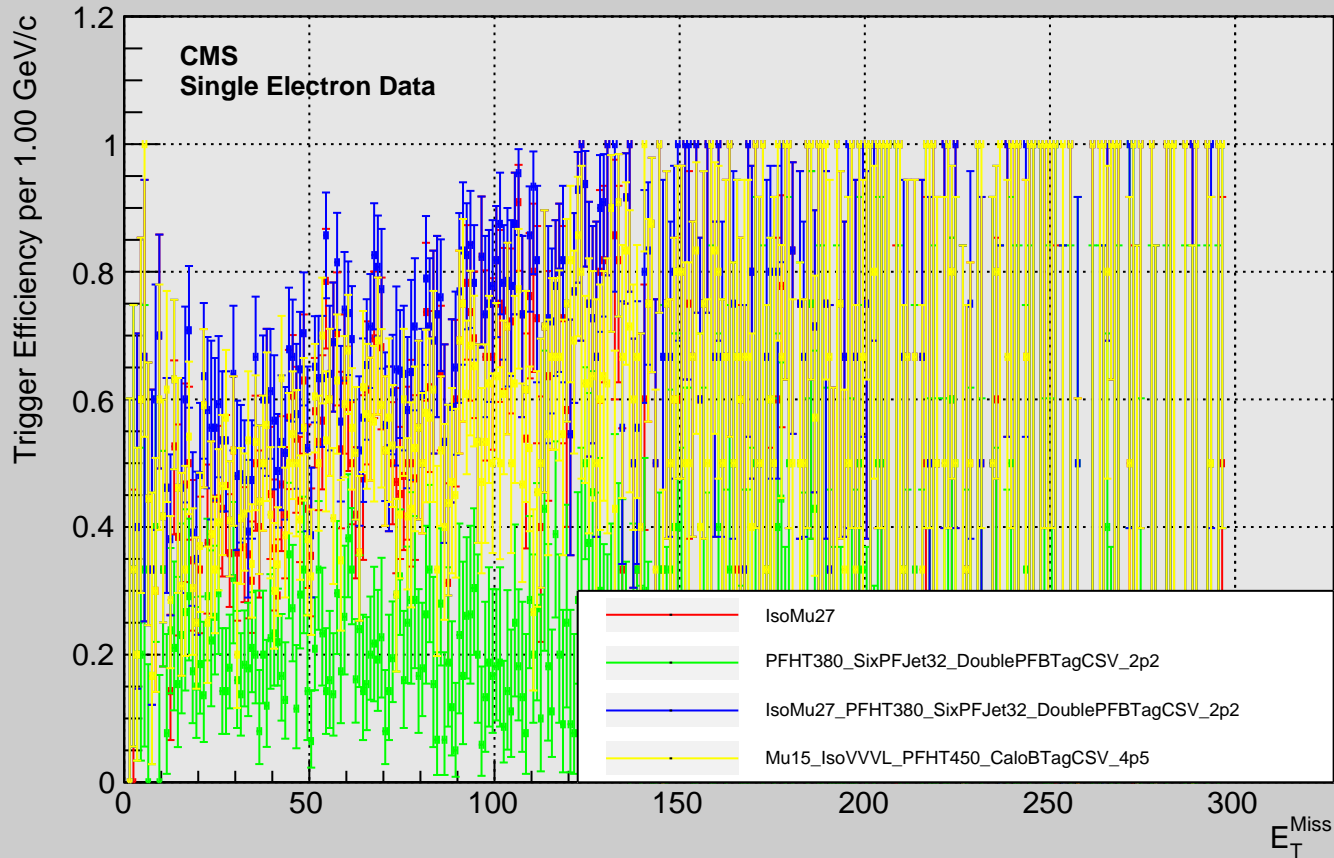


h_metPt_notrigger

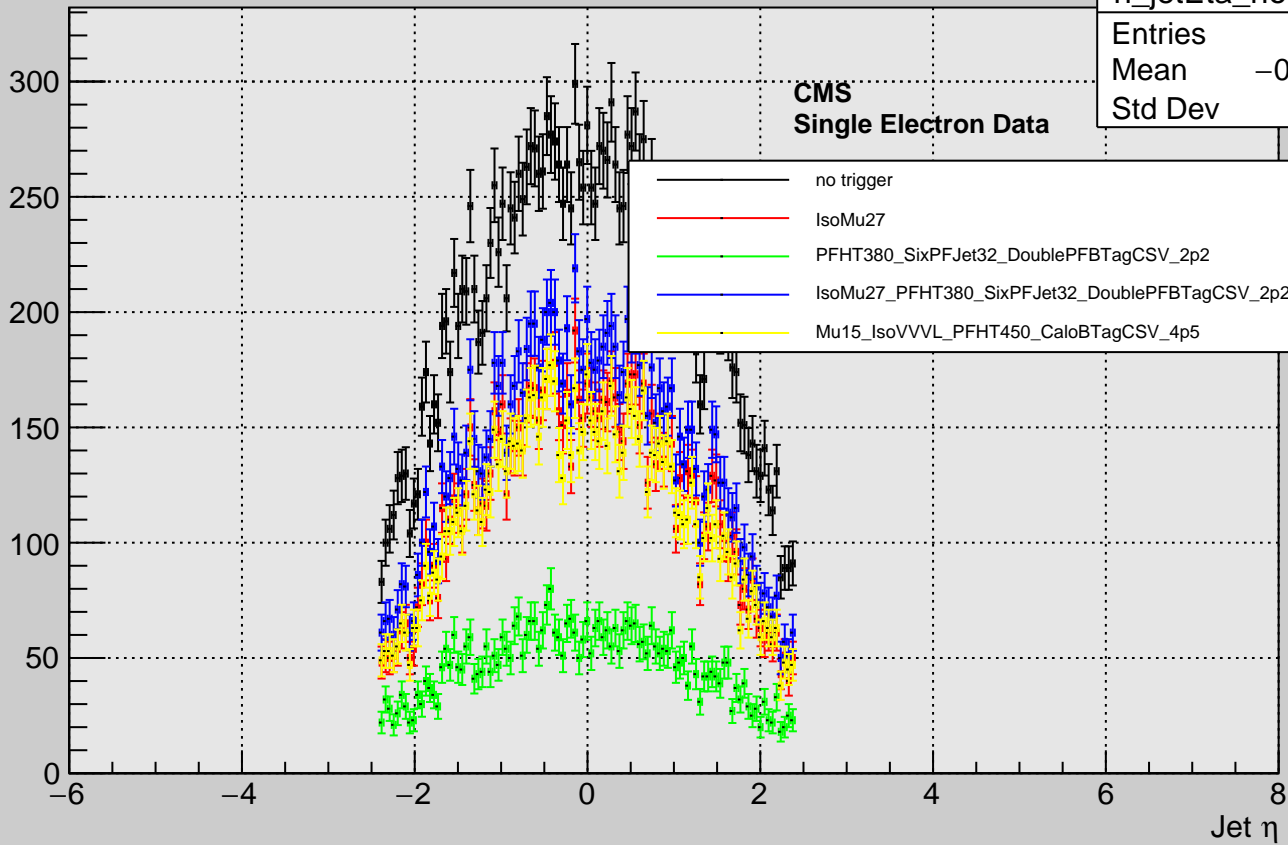
Entries 3164

Mean 78.93

Std Dev 53.61



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



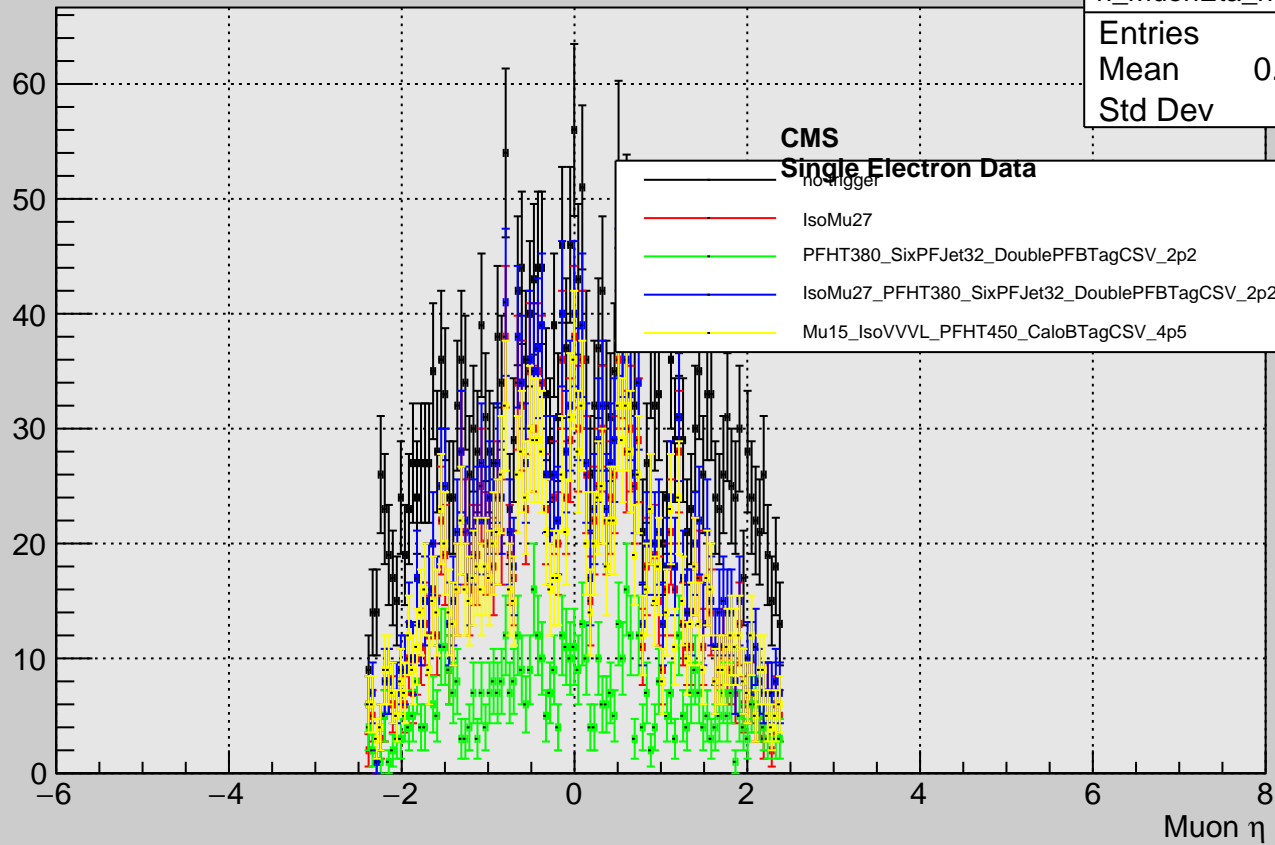
h_jetEta_notrigger

Entries 21061

Mean -0.01844

Std Dev 1.204

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



h_muonEta_notrigger	
Entries	3164
Mean	0.00213
Std Dev	1.235

