

On-line (pre-)selection Requisites for:

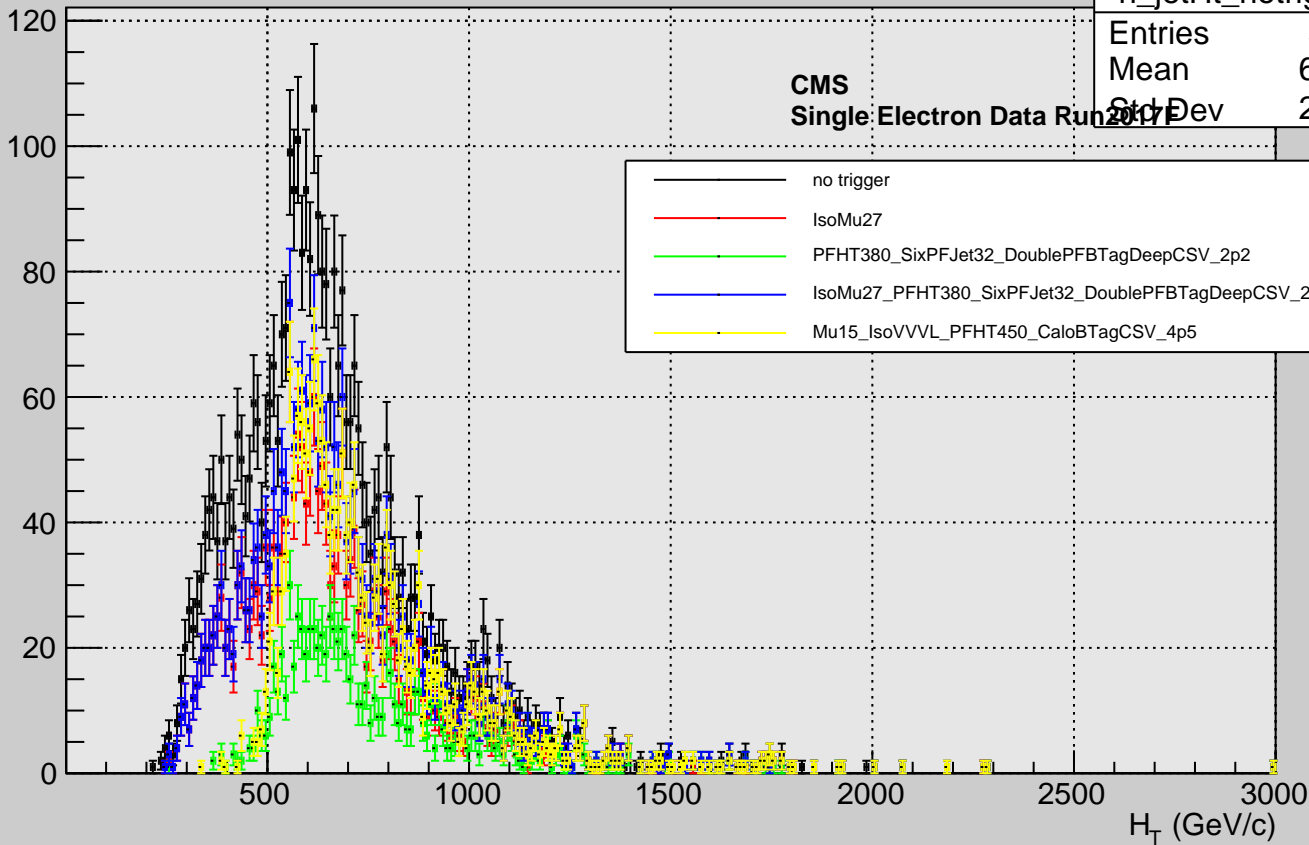
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

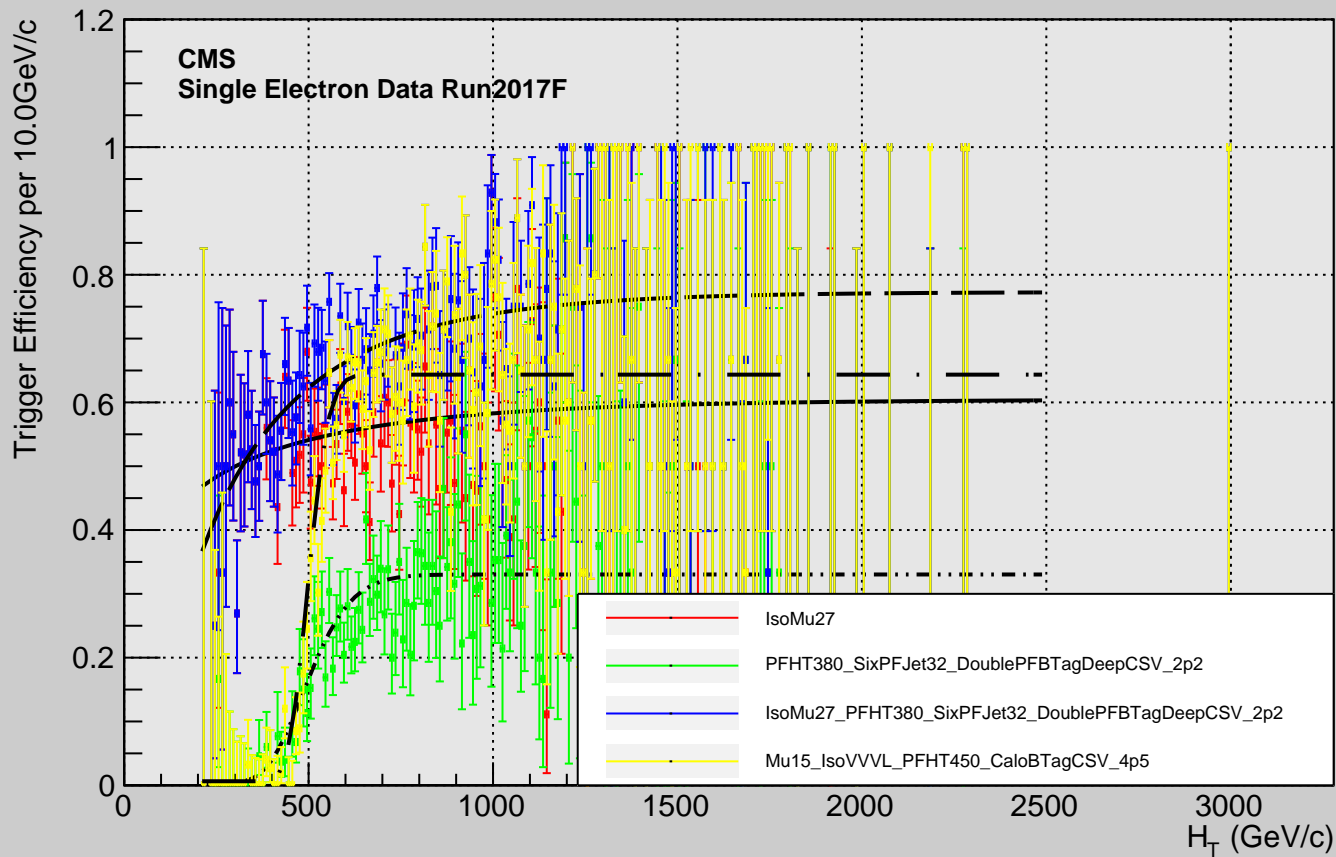
Event Limit: None (see last page)

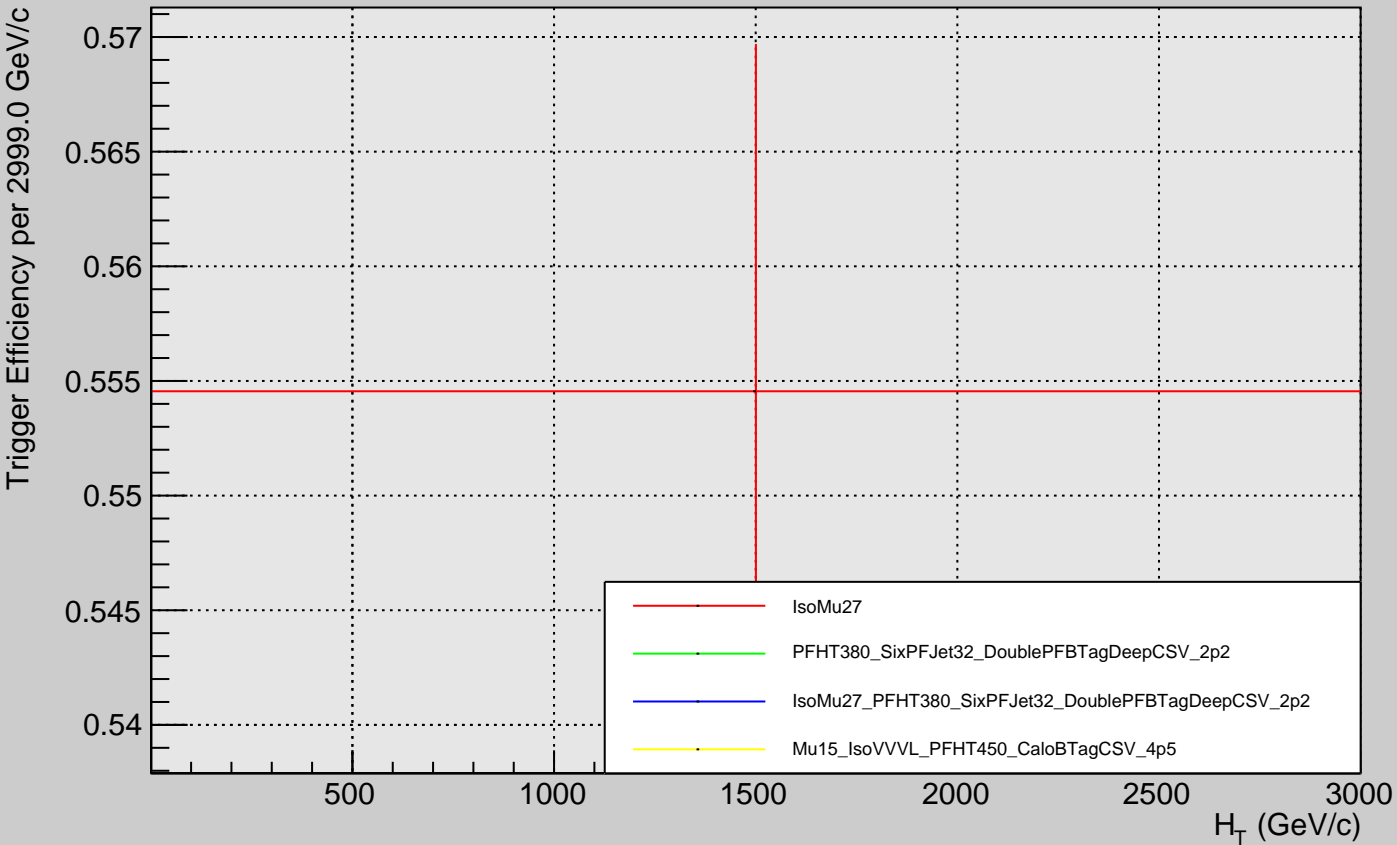
Off-line (post-)selection Requisites for:

- **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 $\text{miniPFRelIso_all} < 0.15$ (for at least 1)

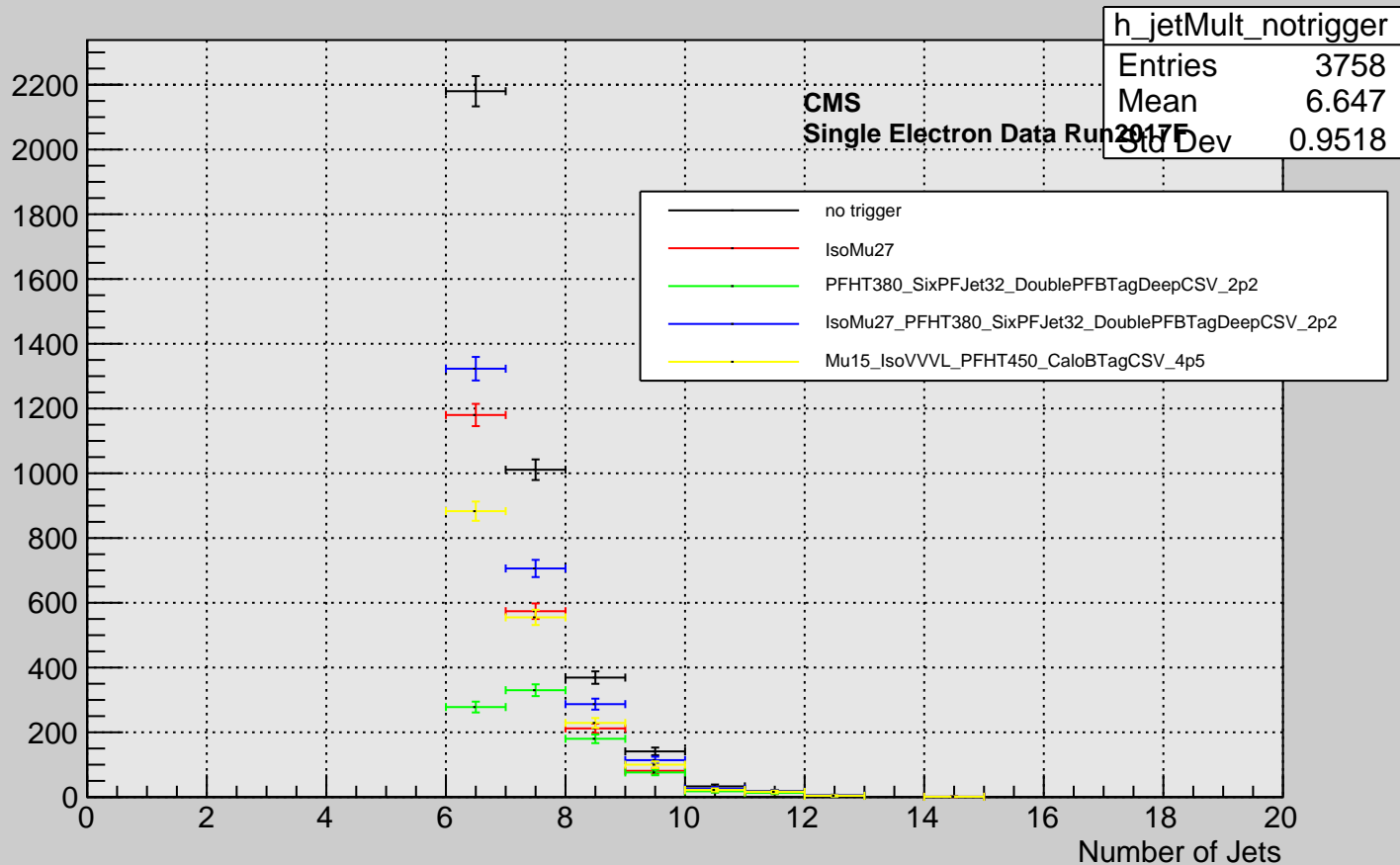
Number of Events per 10 GeV/c

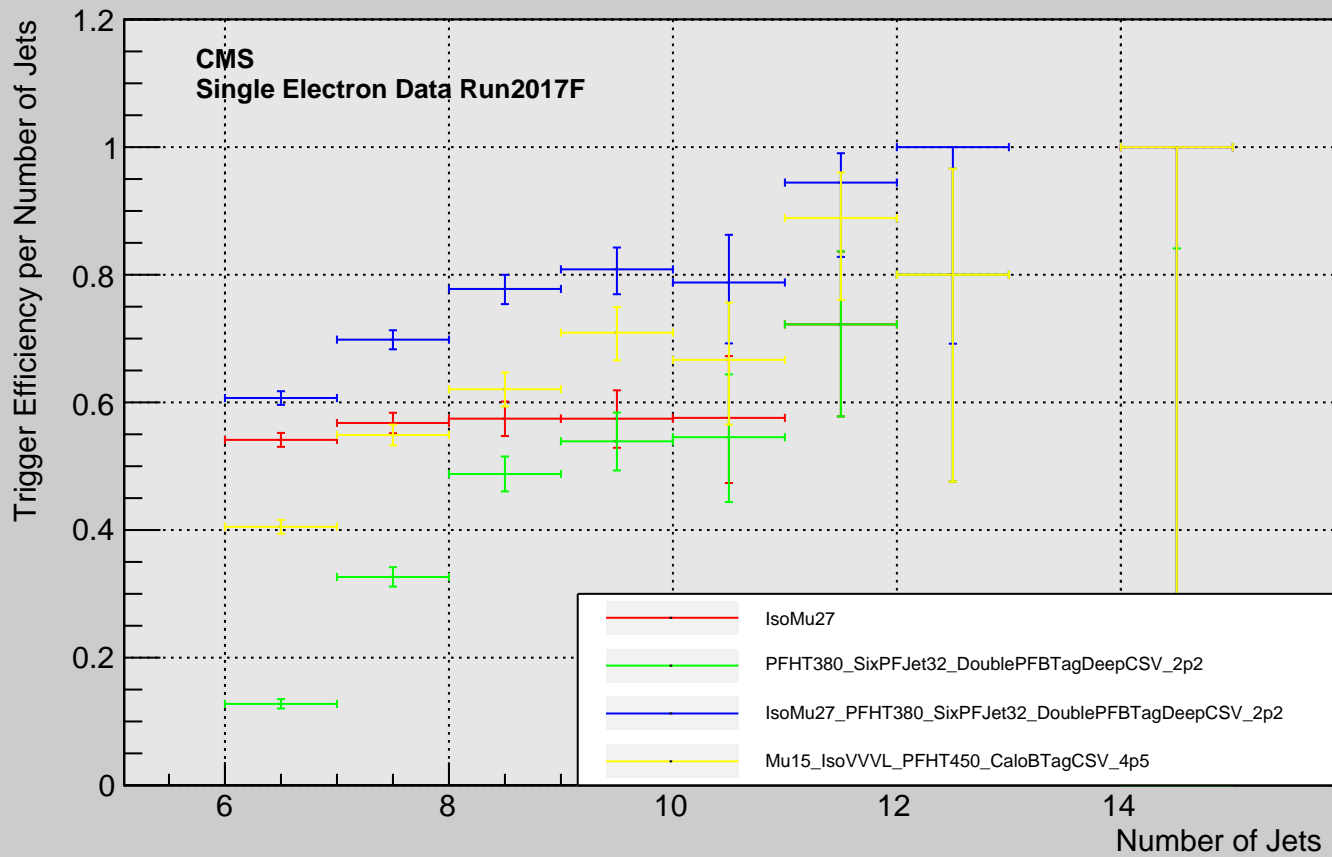




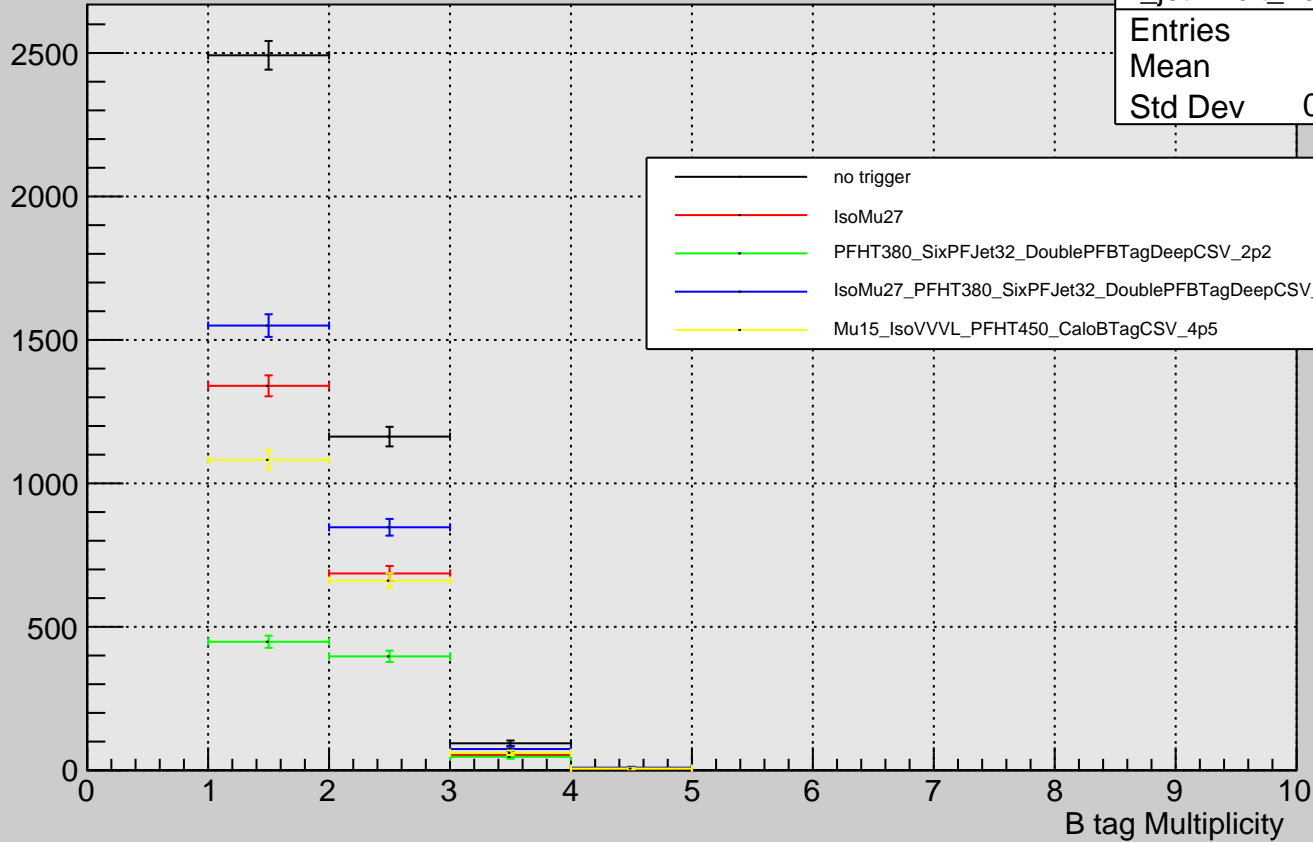


Number of Events per Number of Jets

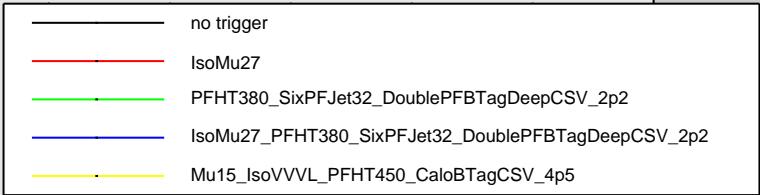


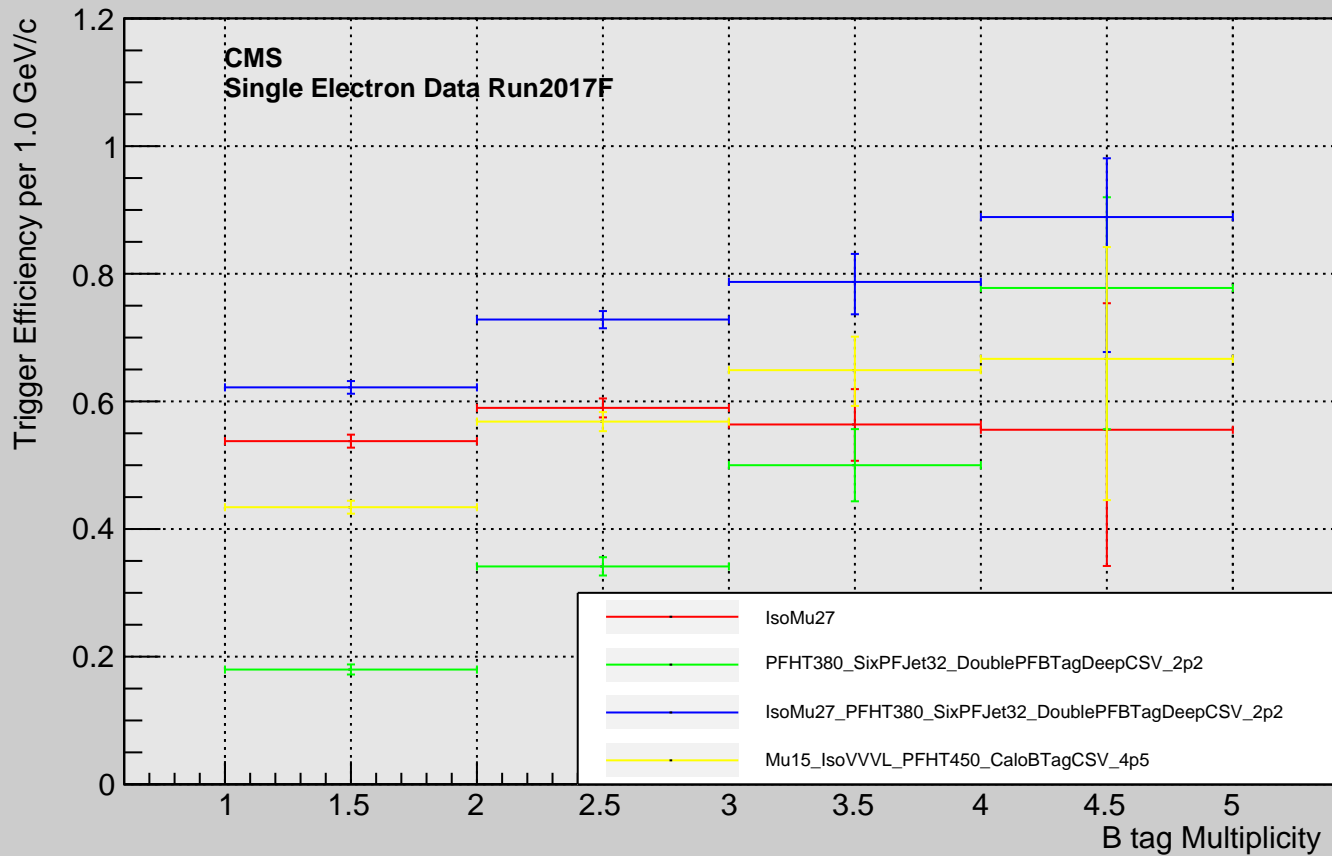


Number of Events per Number of Jets



h_jetBMult_notrigger	
Entries	3758
Mean	1.867
Std Dev	0.5446





Number of Events

2000
1800
1600
1400
1200
1000
800
600
400
200
0

h_muonRelIso04_all	
Entries	3758
Mean	0.03615
Std Dev	0.04313

-1 -0.5 0 0.5 1 1.5 2
muonRelIso04_all



Number of Events per 1 GeV/c

CMS
Single Electron Data Run2017F

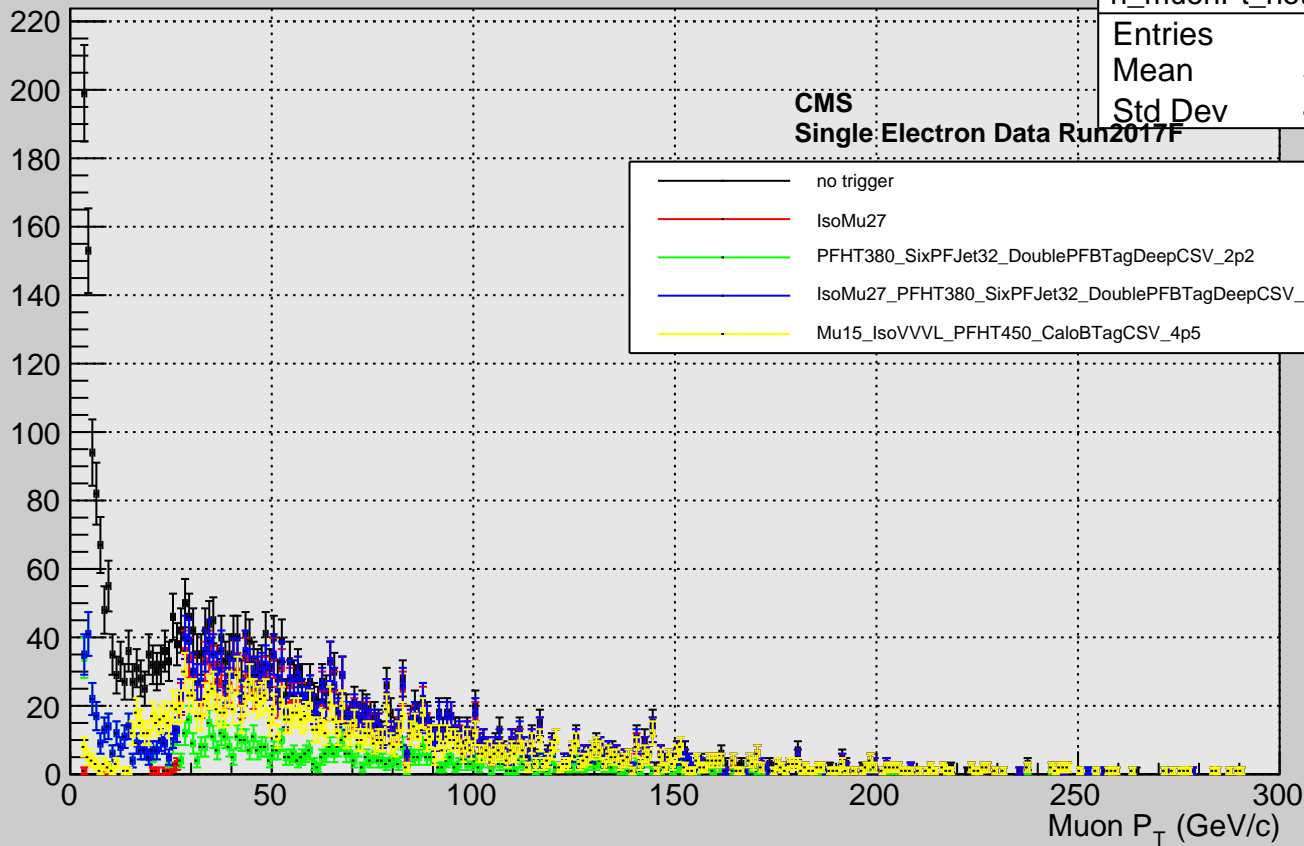
h_muonPt_notrigger

Entries 3758

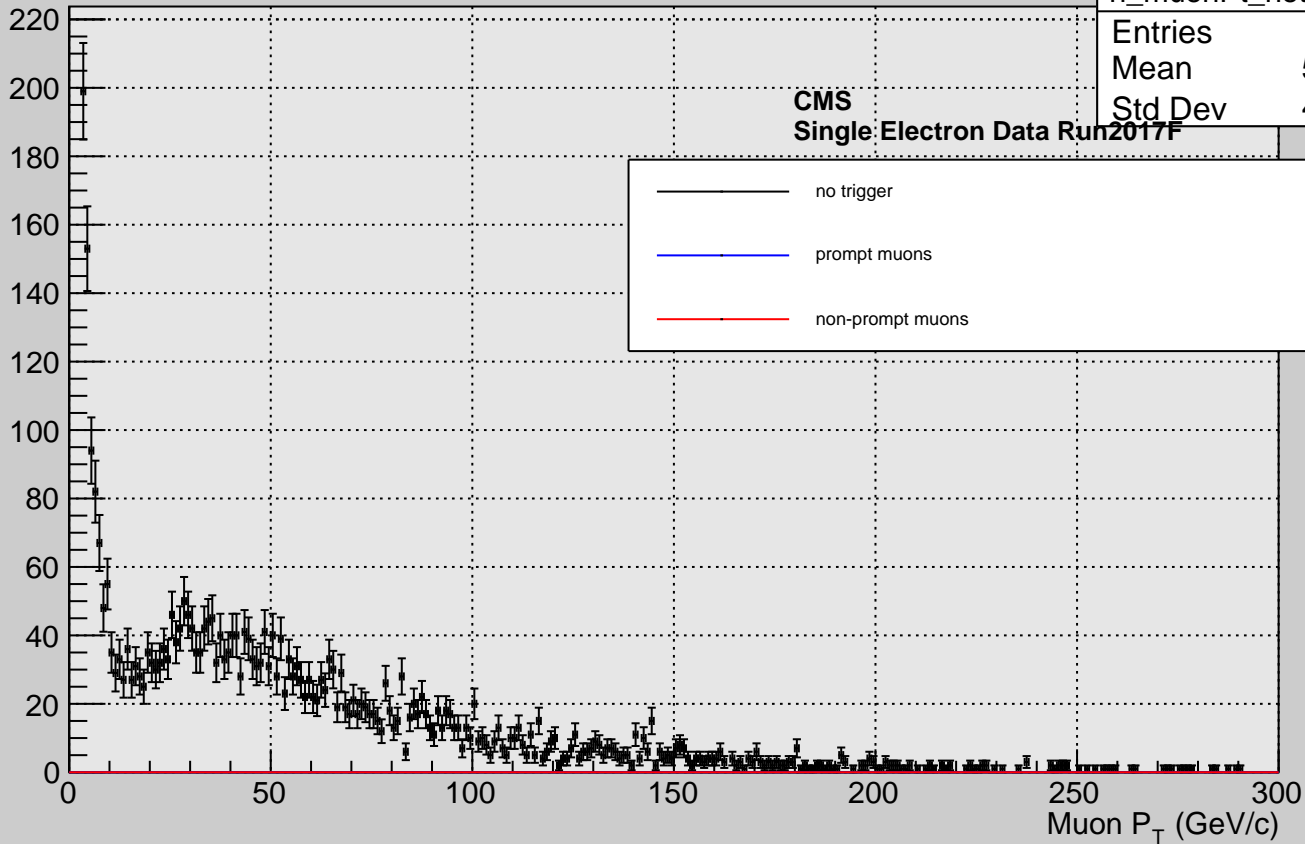
Mean 55.29

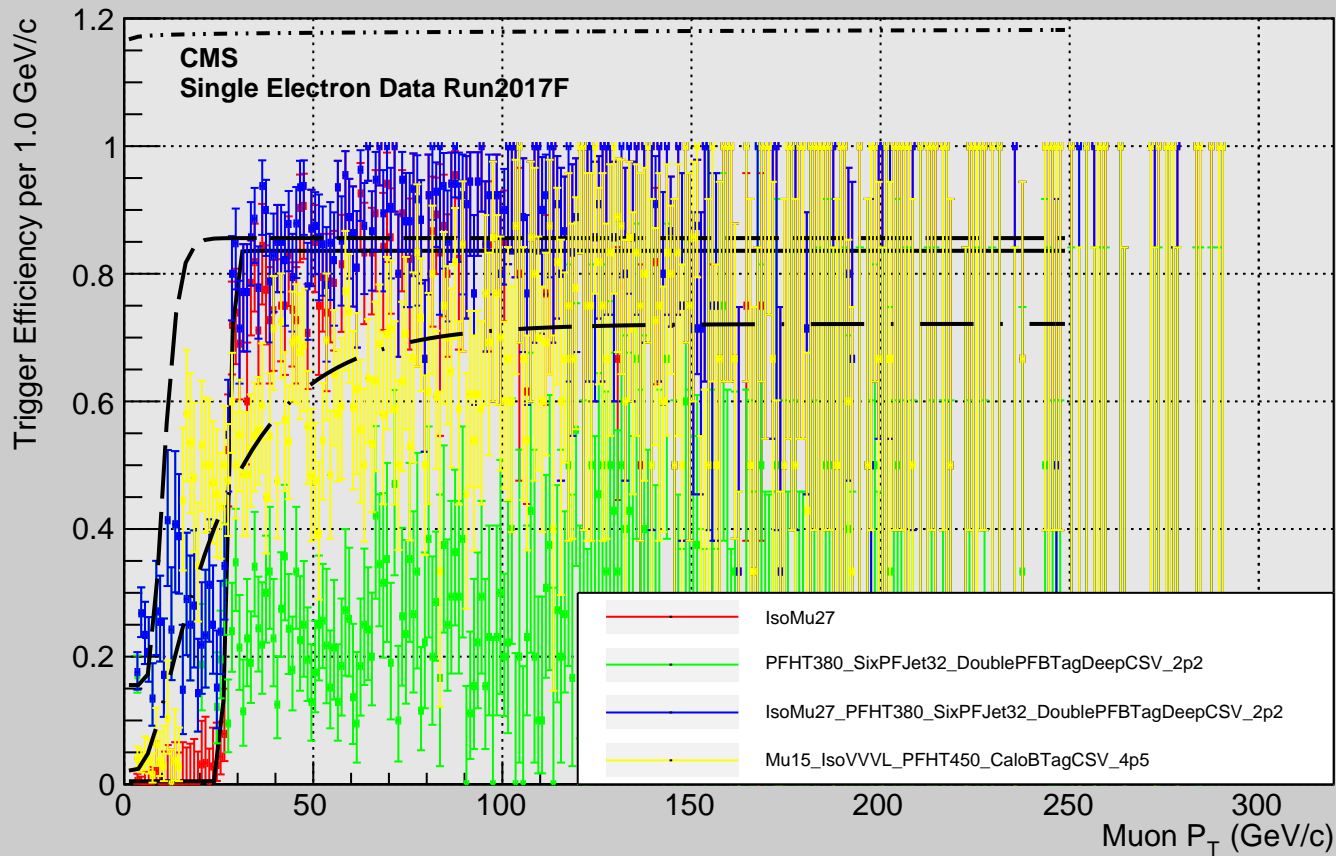
Std Dev 49.86

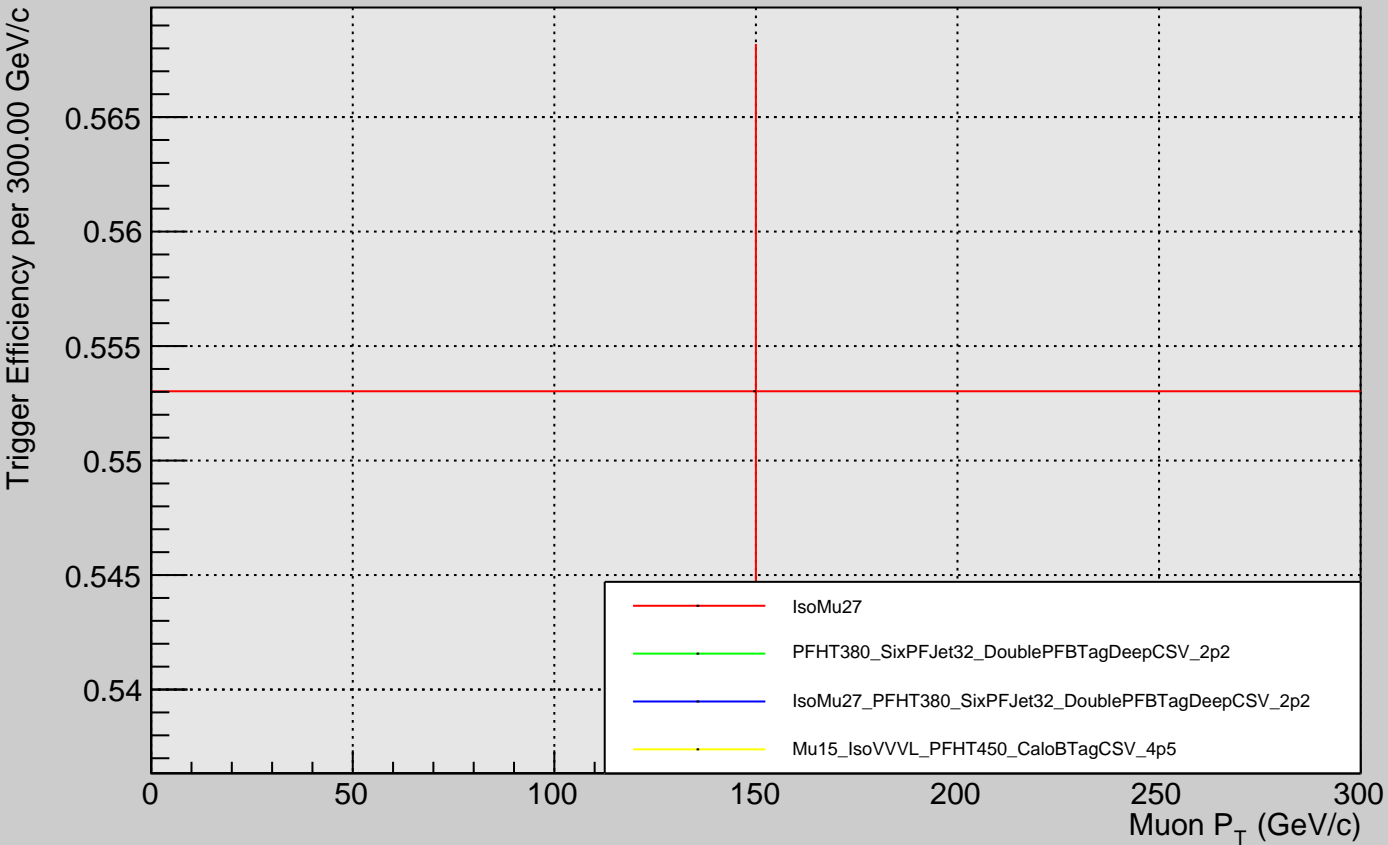
- no trigger
- IsoMu27
- PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5



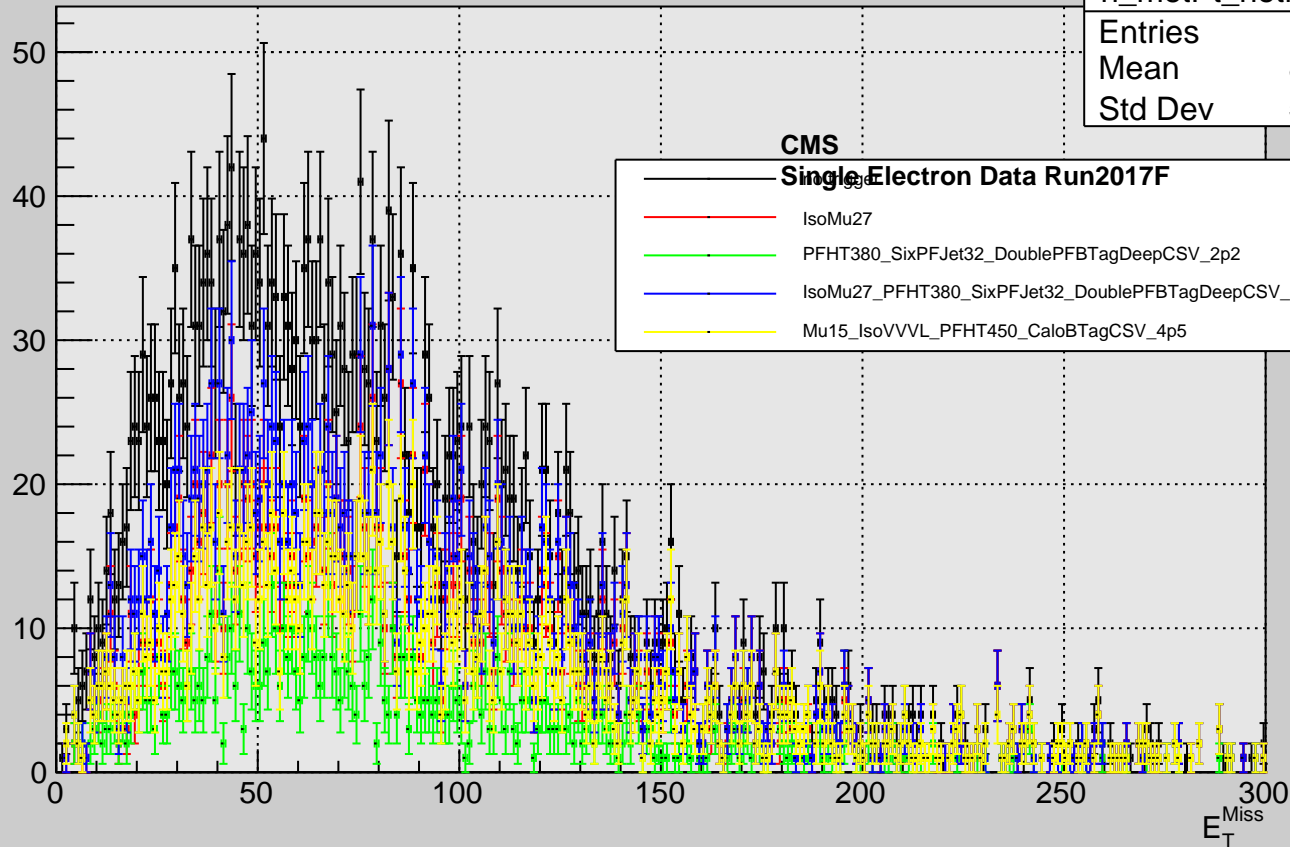
Number of Events per 1 GeV/c

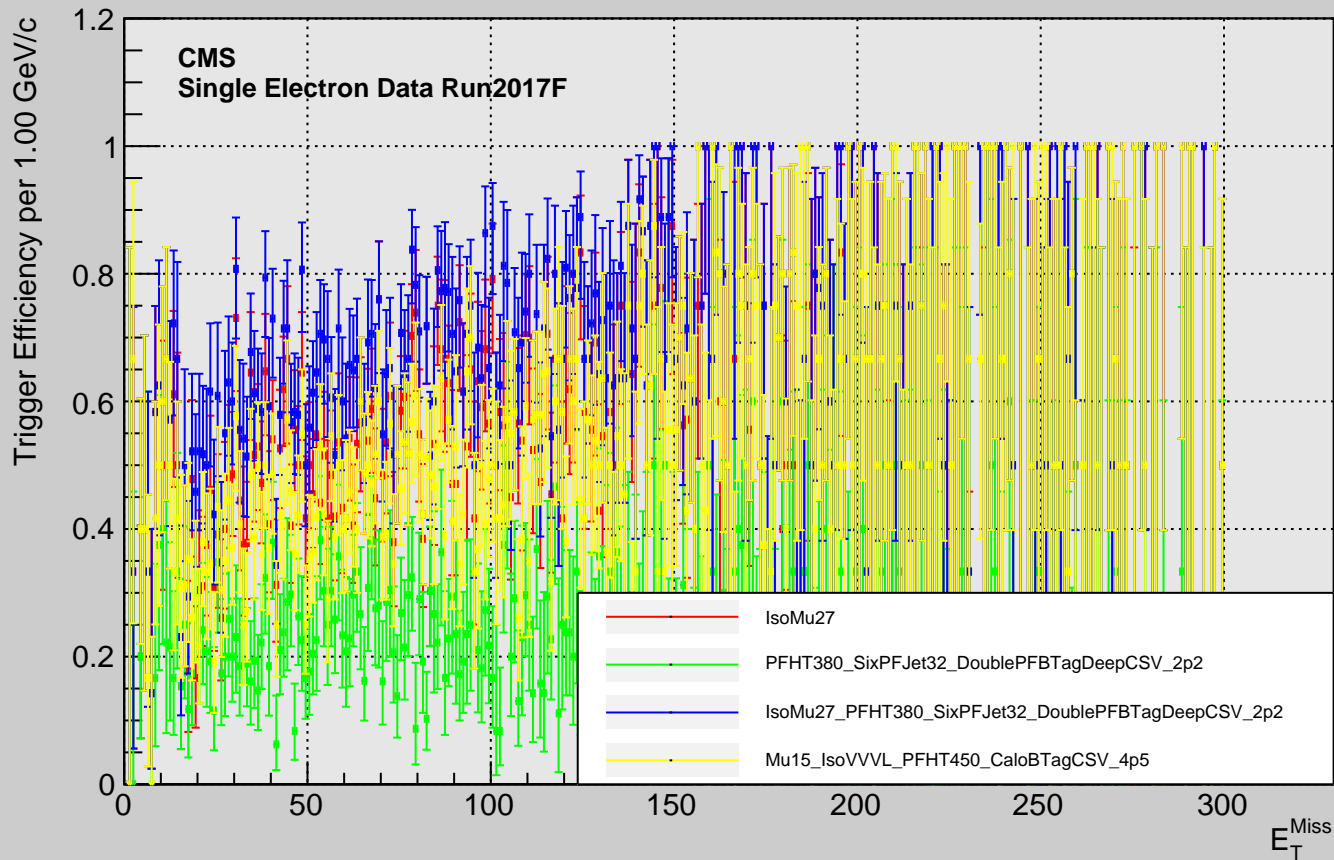




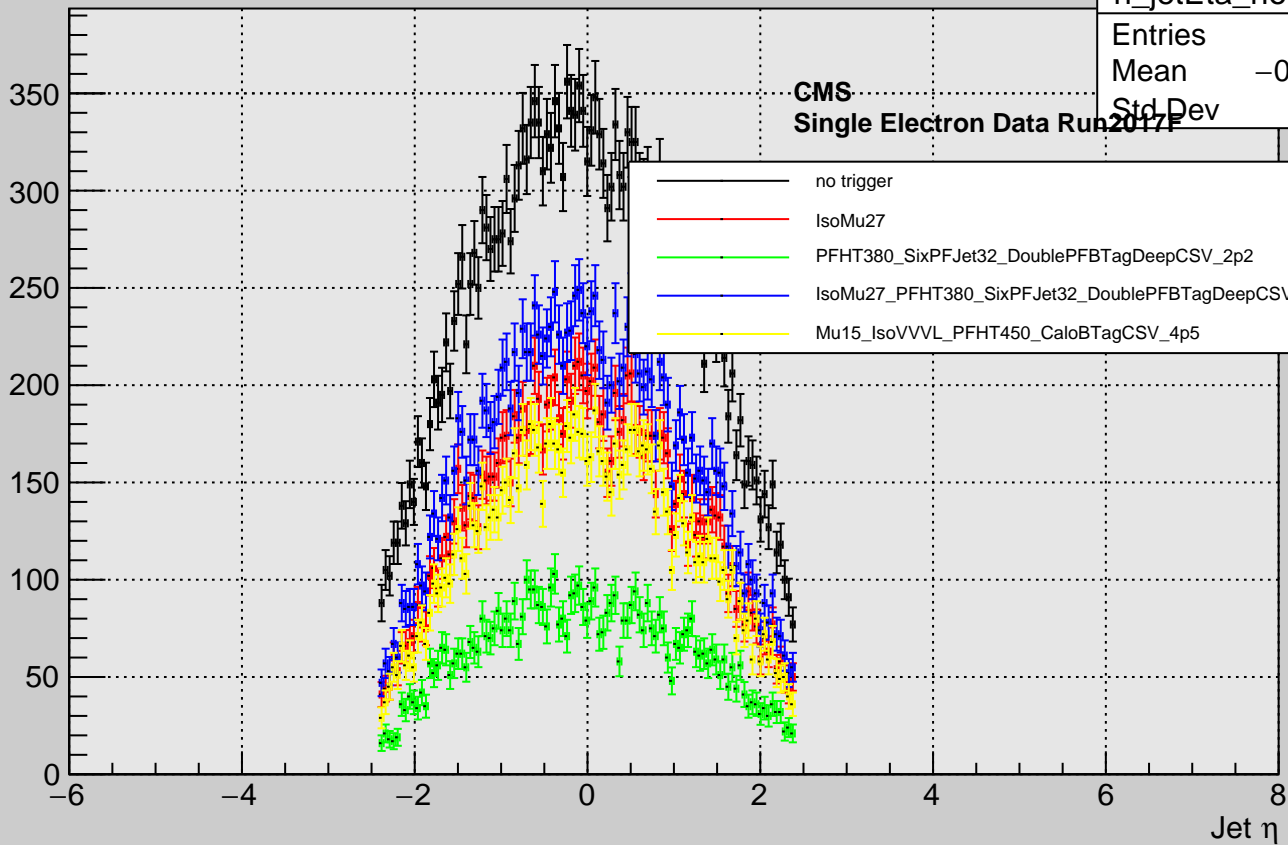


Number of Events per 1 GeV/c





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



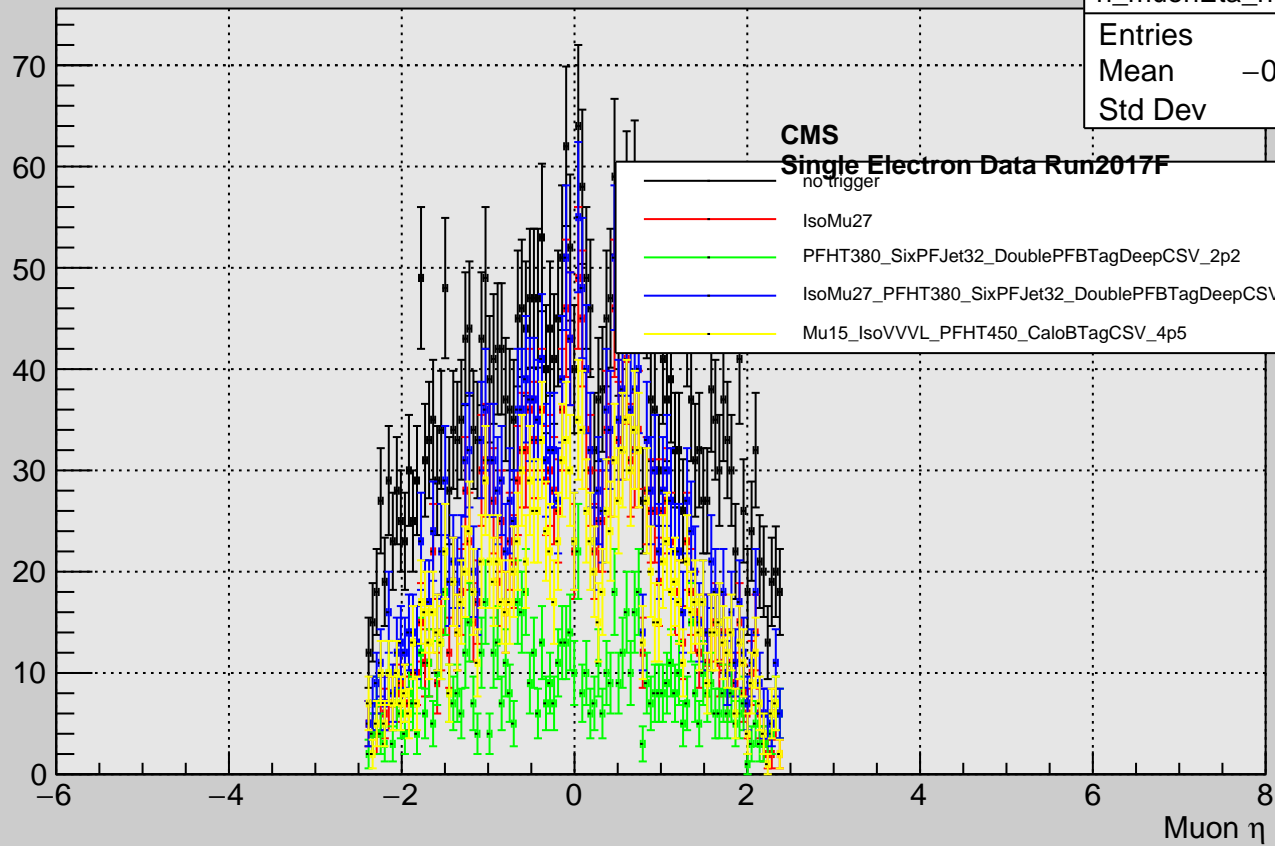
h_jetEta_notrigger

Entries 24980

Mean -0.03155

Std Dev 1.177

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



h_muonEta_notrigger

Entries 3758

Mean -0.01964

Std Dev 1.224

CMS

Single Electron Data Run2017F

- no trigger
- IsoMu27
- PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

