

### Pre-selection Requisites for:

- **Jets:** number  $> 5$
- **Leptons (Muons or Electrons):** number  $> 0$

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

### Baseline selection Requisites for:

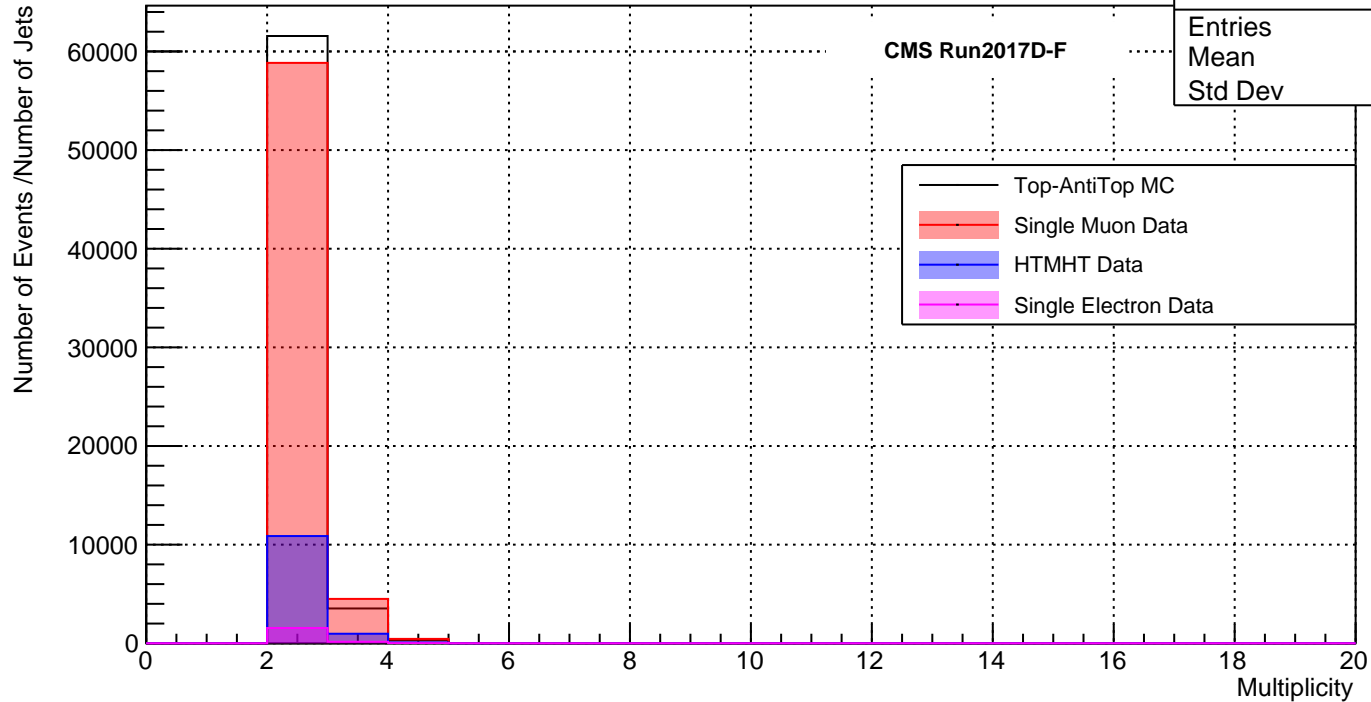
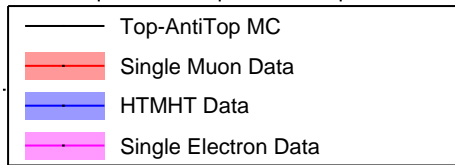
- **Jets:**  $\text{jetId} > 2$  ,  $p_T > 30$  and  $|\eta| < 2.4$  (for at least 6 jets)  
 $\text{btagDeepFlavB} > 0.7489$  (for at least one jet)
- **Muons:** has  $\text{tightId}$ ,  $|\eta| < 2.4$  and  $\text{PFRelIso\_all} < 0.15$  (for at least 1)
- $\text{HT} > 500 \text{ GeV}$

# IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

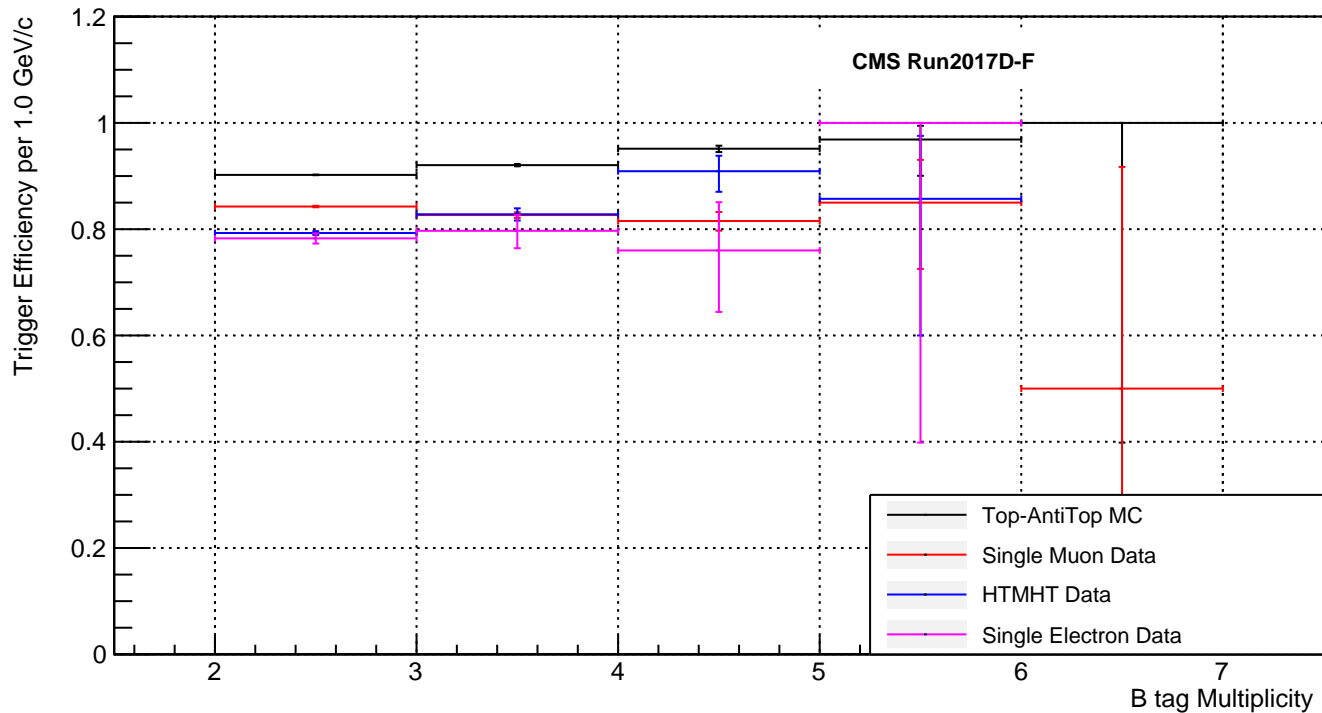
h\_mcTTTtoSemiLep17D\_jetBMult\_IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

Entries	277132
Mean	2.064
Std Dev	0.266

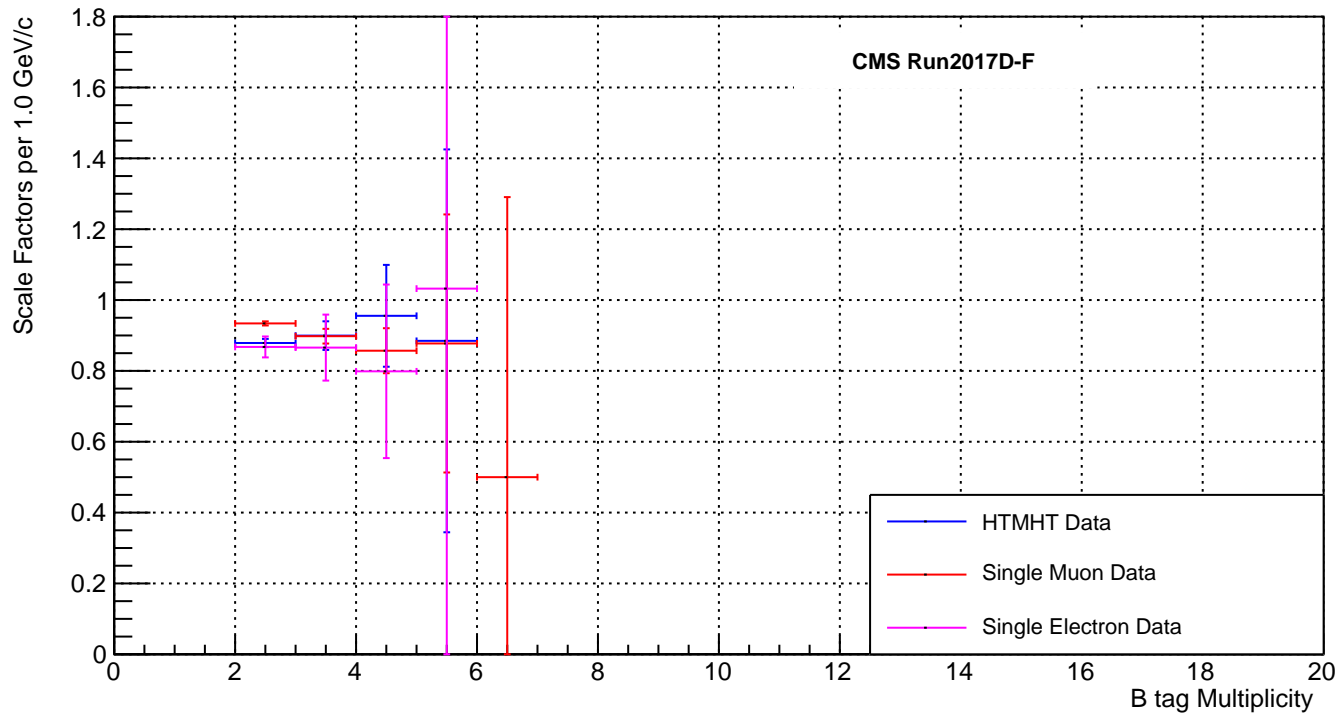
CMS Run2017D-F



IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

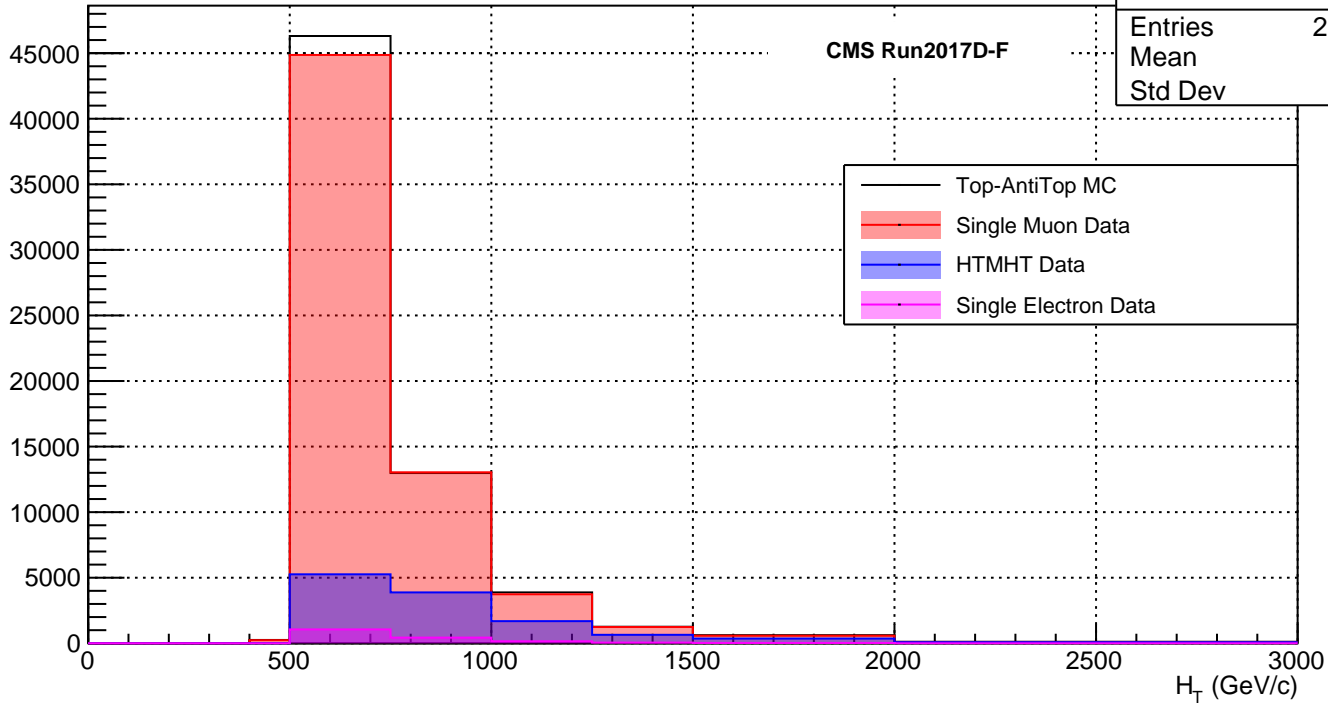


IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2



# IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

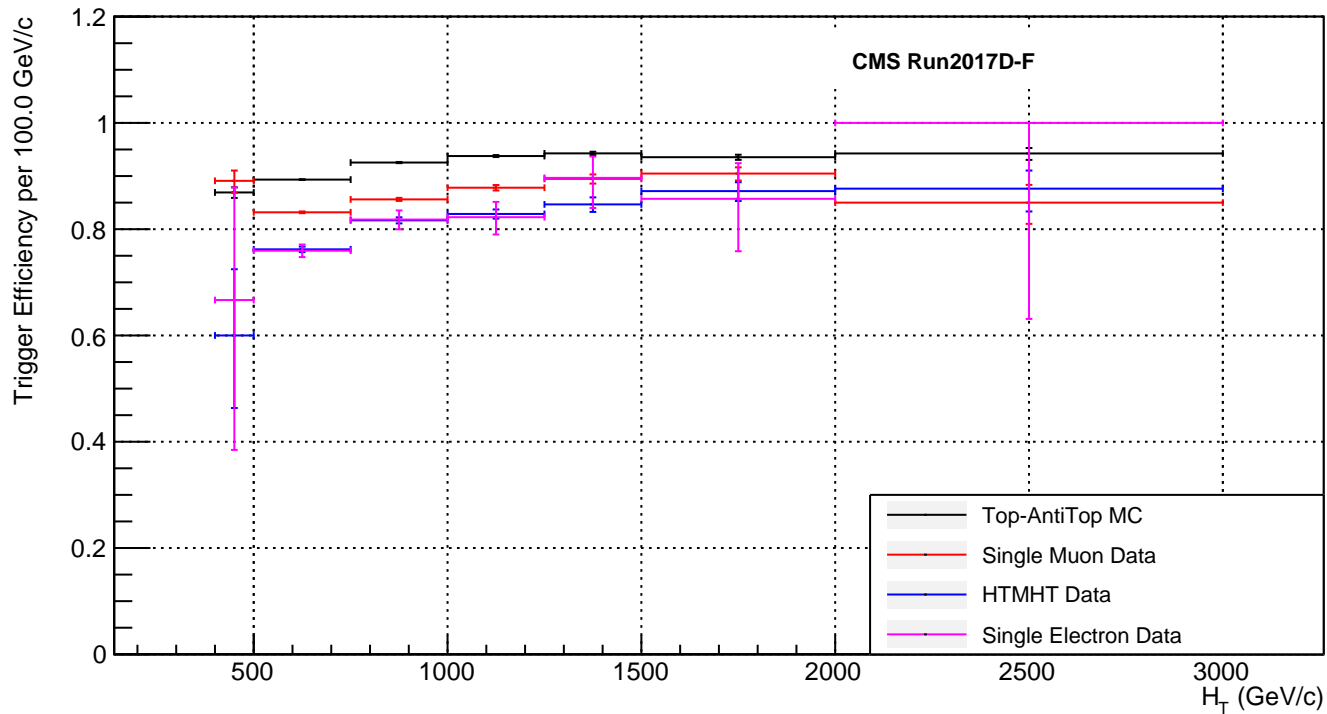
Number of Events per 10 GeV/c



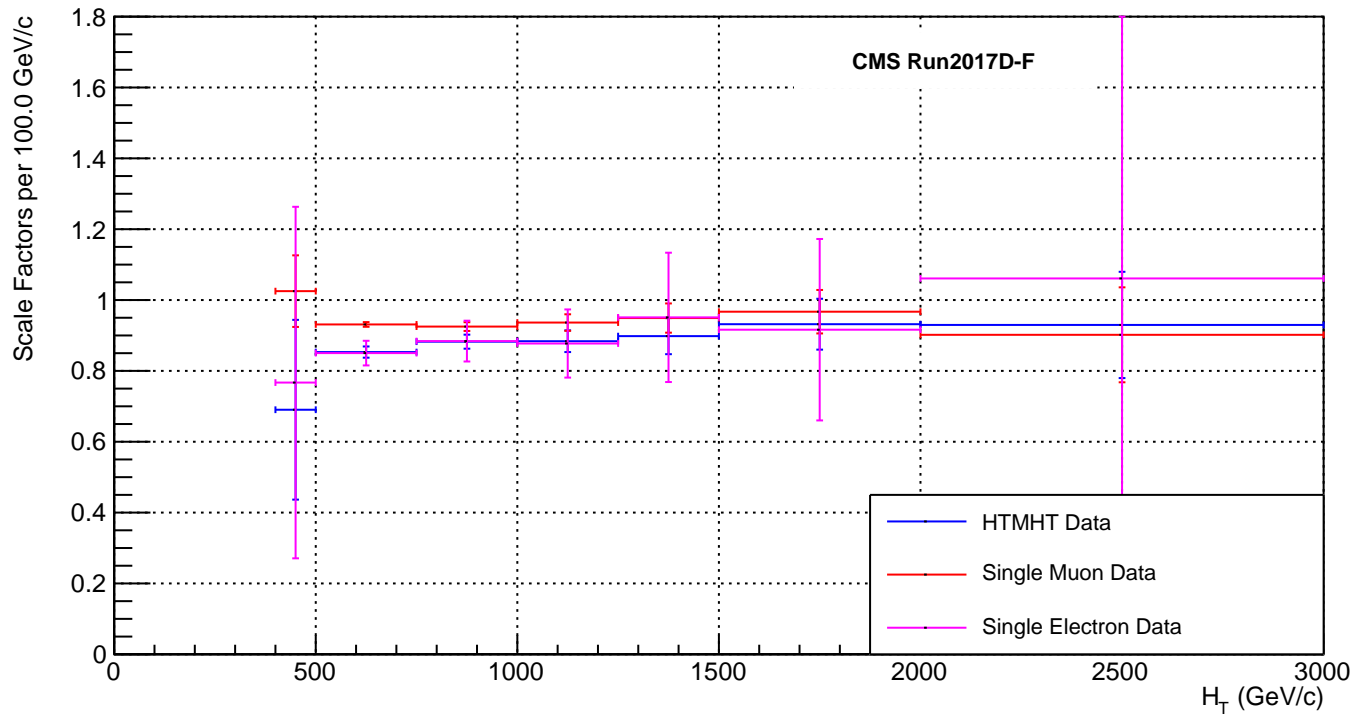
h\_jetHT\_IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

Entries	277132
Mean	707.3
Std Dev	218.4

IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

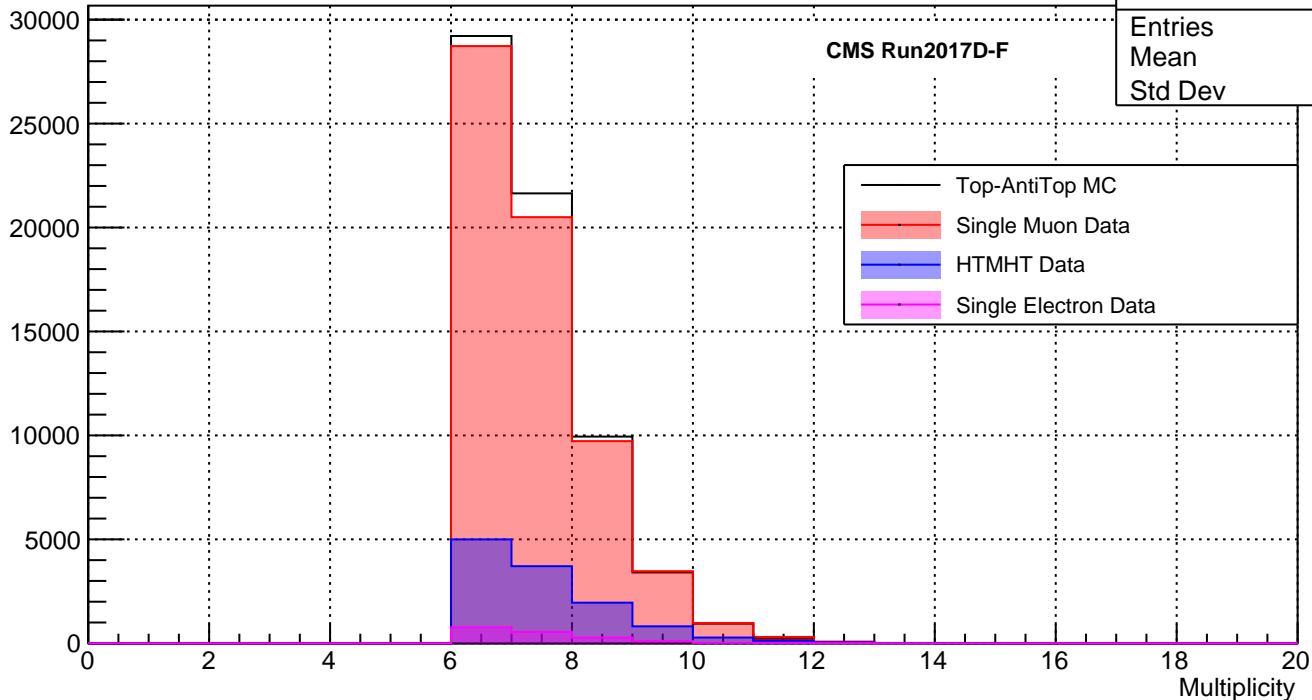


IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

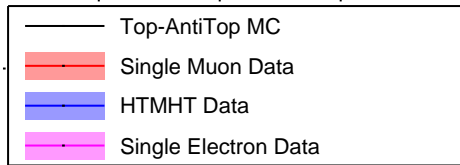


# IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

Number of Events per Number of Jets

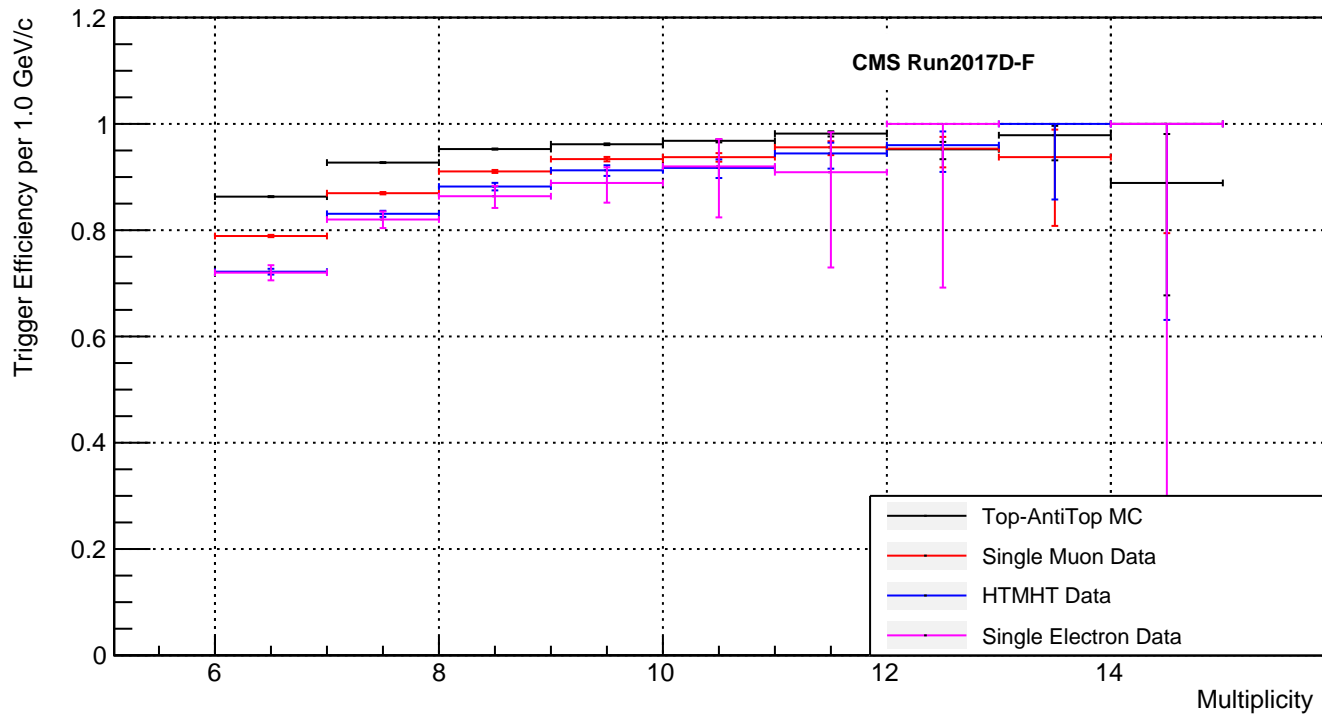


h_mcTTToSemiLep17D_jetMult_isoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2	
Entries	277132
Mean	6.871
Std Dev	0.9999

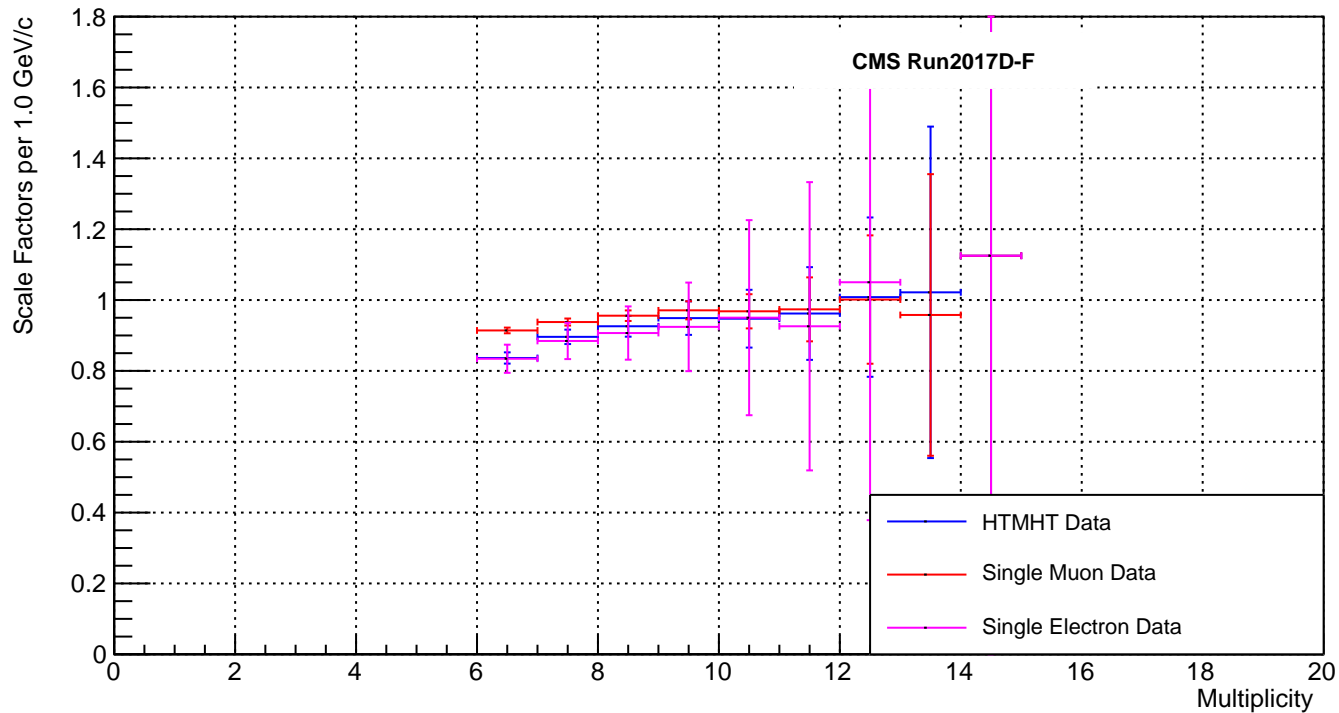




IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

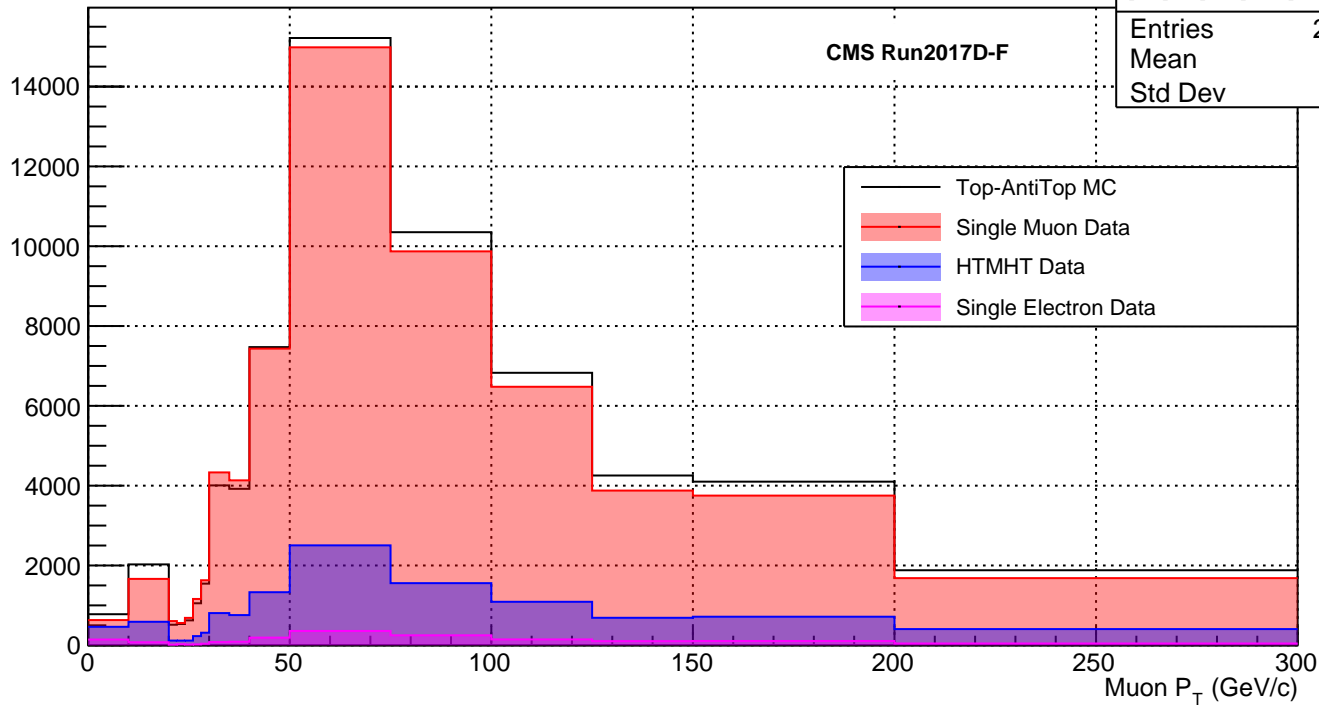


IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

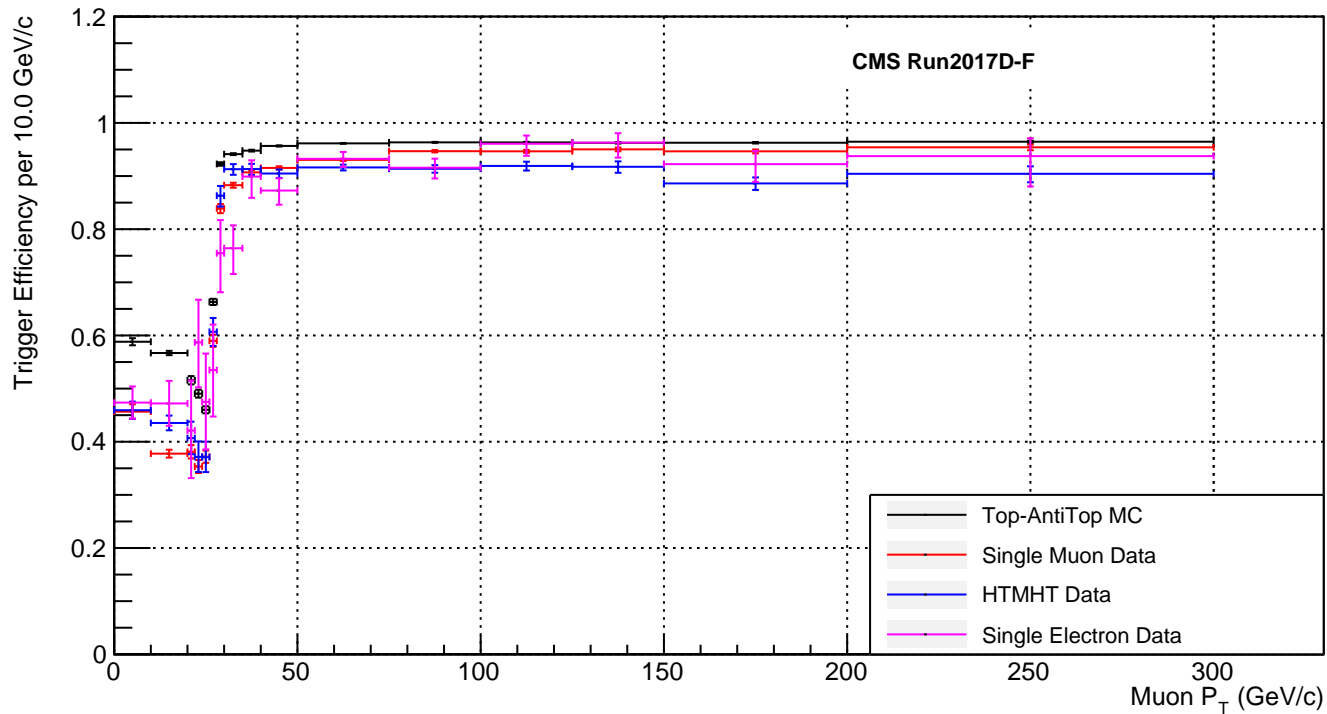


# IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2

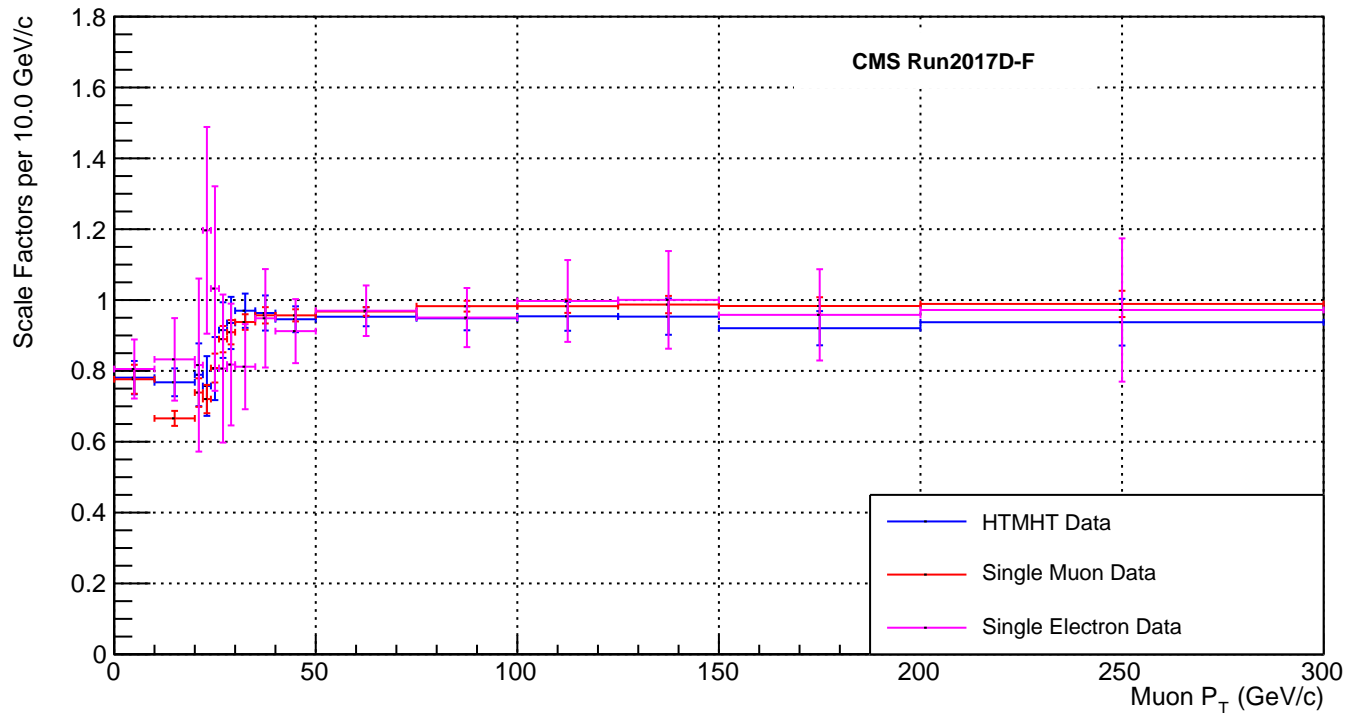
Number of Events per 1 GeV/c



IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2



IsoMu27\_PFHT380\_SixPFJet32\_DoublePFBTagDeepCSV\_2p2



**Values coming soon**