

Pre-selection Requisites for:

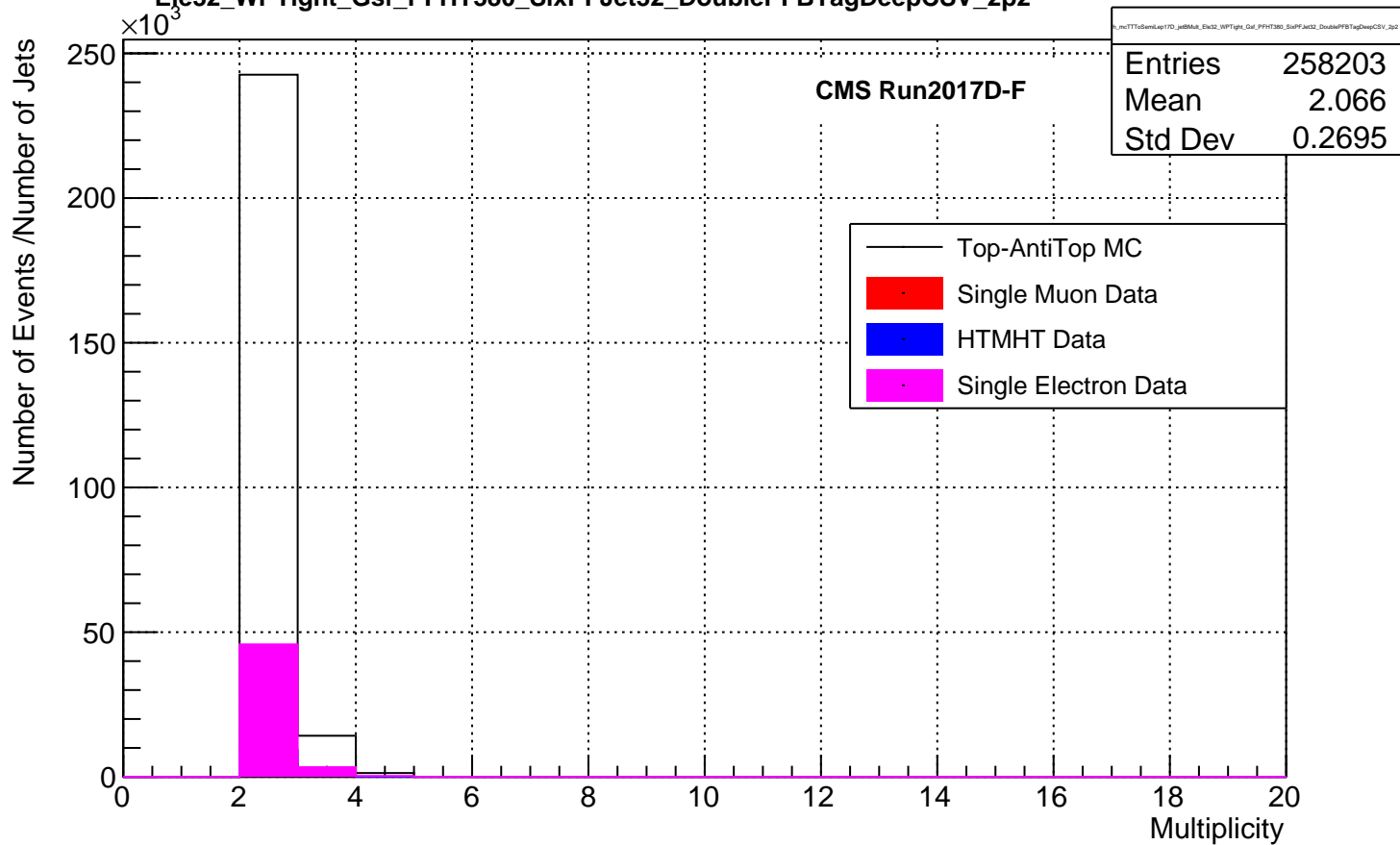
- **Jets:** number > 5
- **Leptons (Muons or Electrons):** number > 0

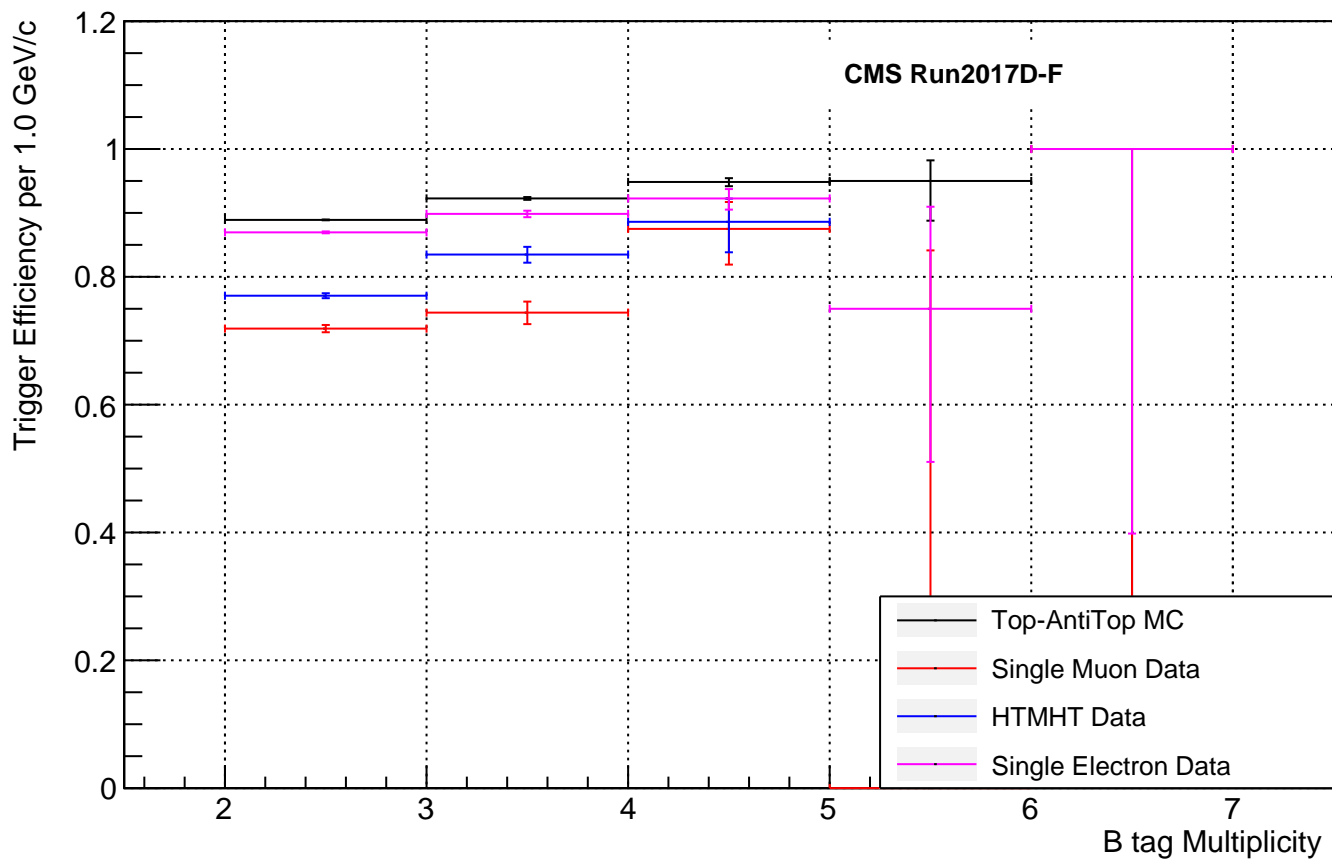
Event Limit: None (see last page)

Baseline selection Requisites for:

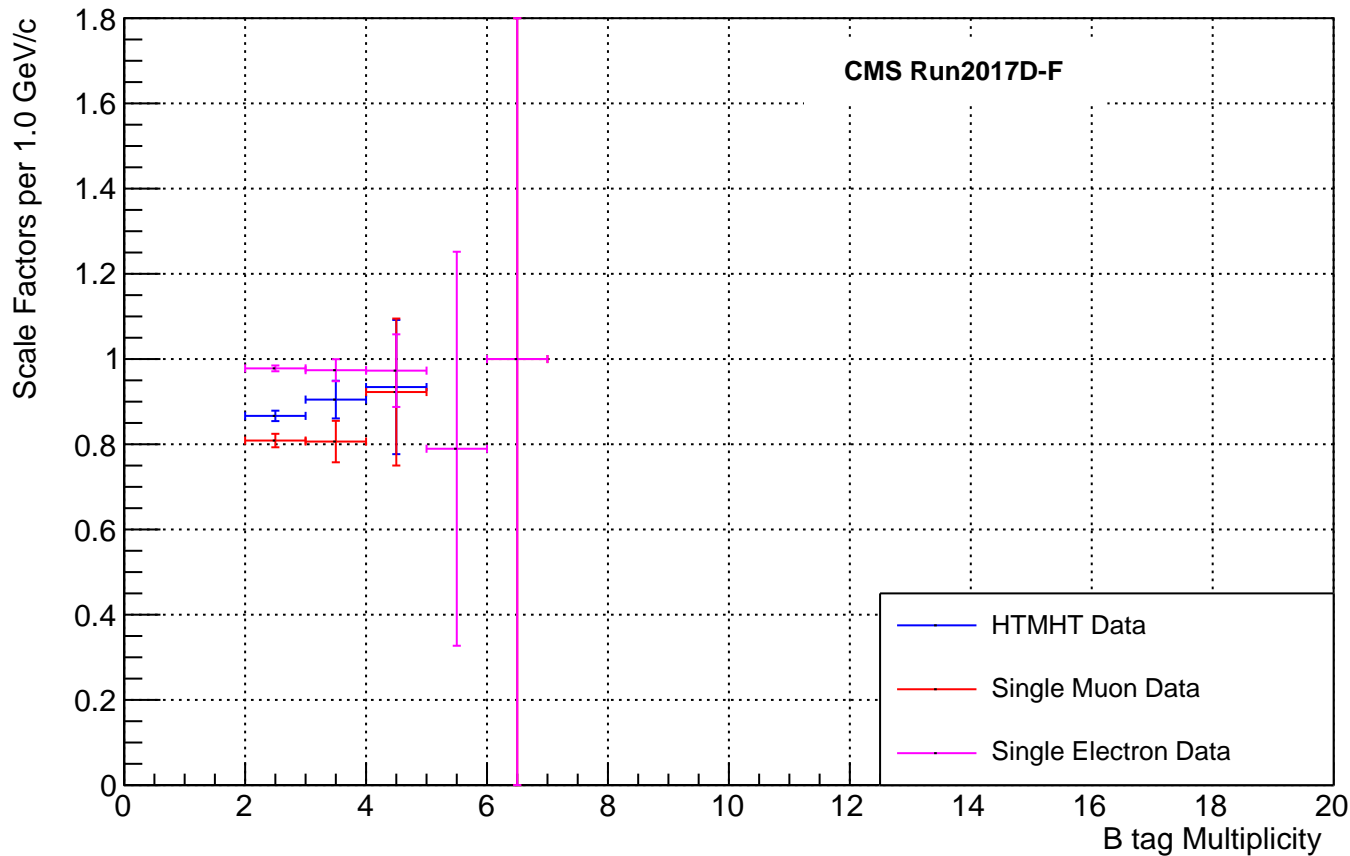
- **Jets:** $\text{jetId} > 2$, $p_T > 30$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{PFRelIso_all} < 0.15$ (for at least 1)
- $\text{HT} > 500 \text{ GeV}$

Eje32_WPTight_Gsf_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



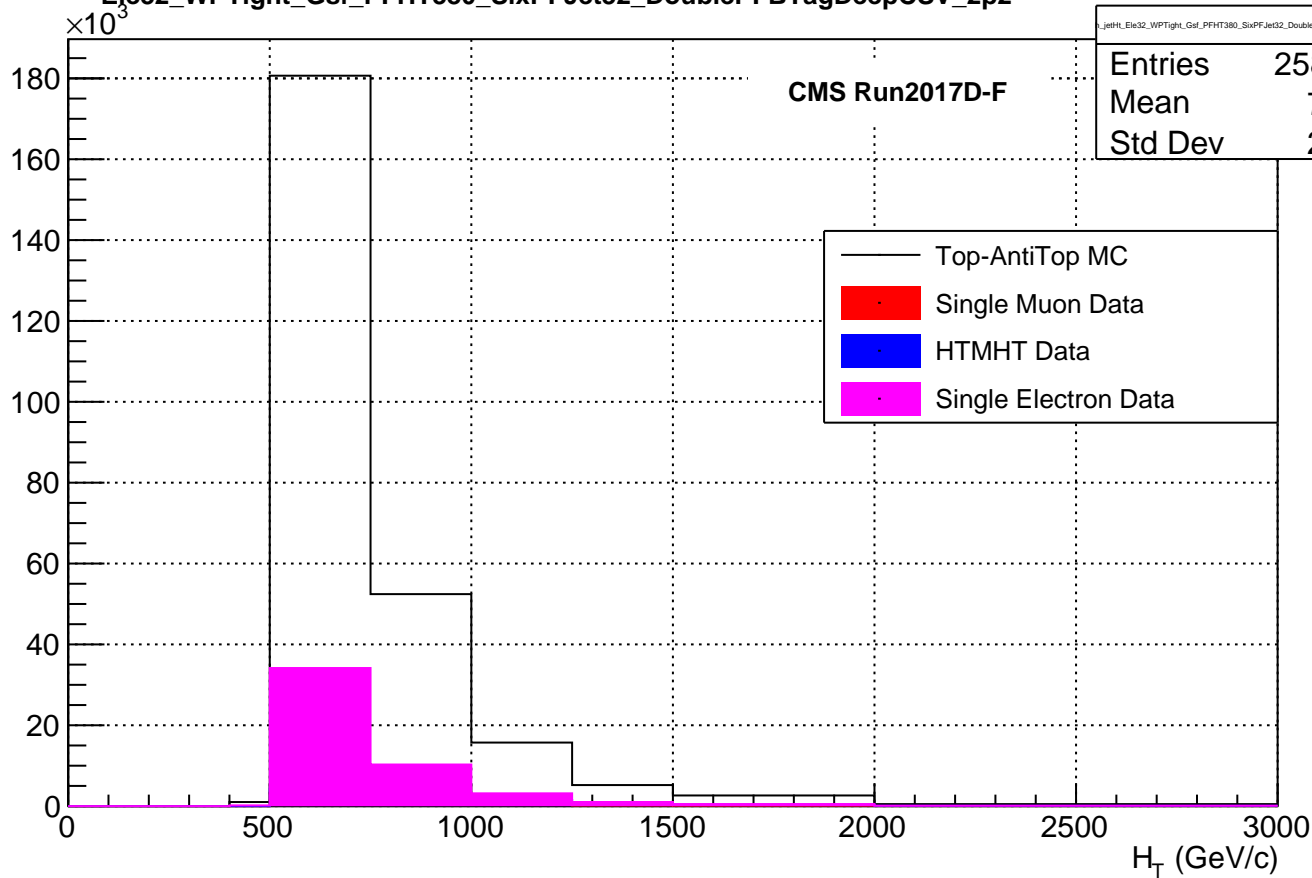


Ele32_WPTight_Gsf_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

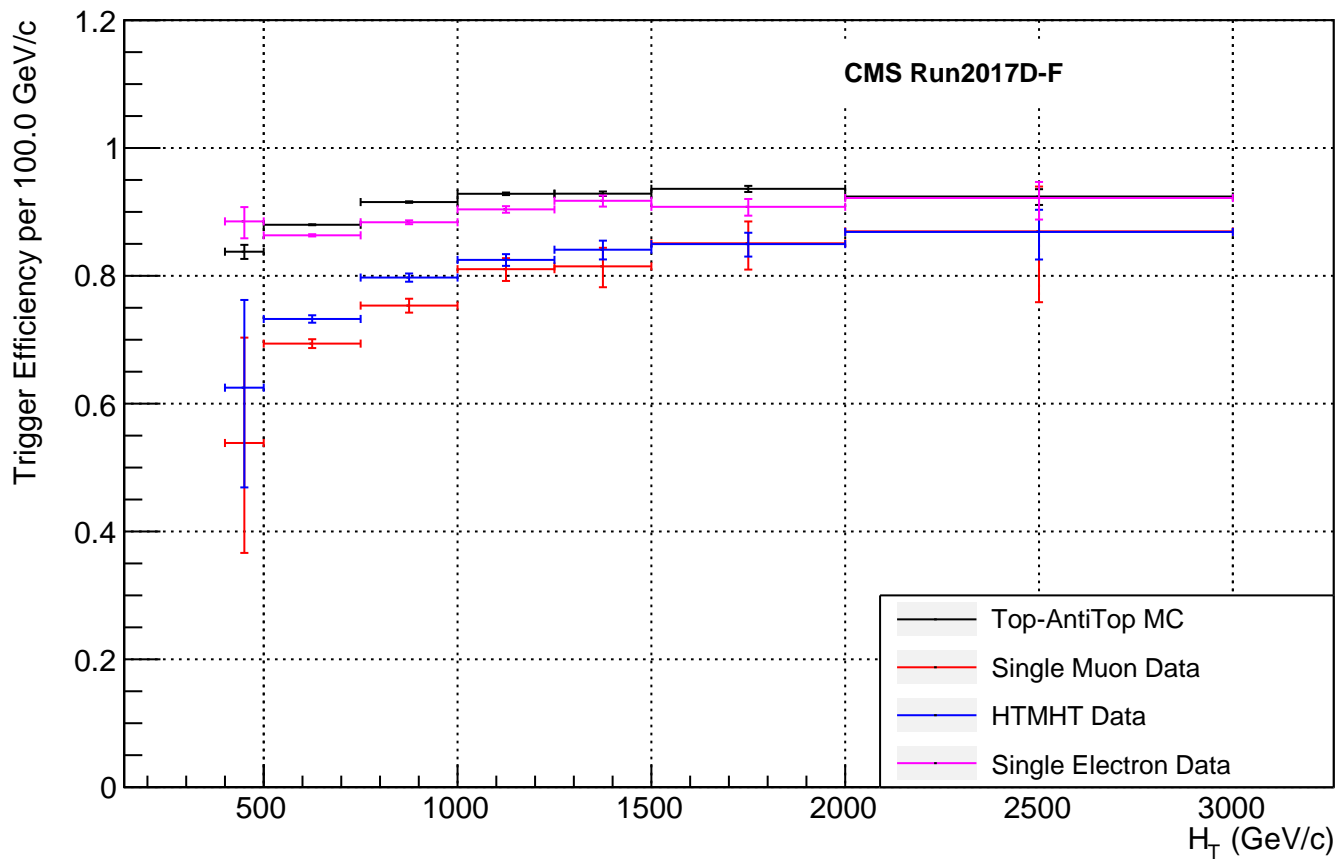


E_le32_WPTight_Gsf_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

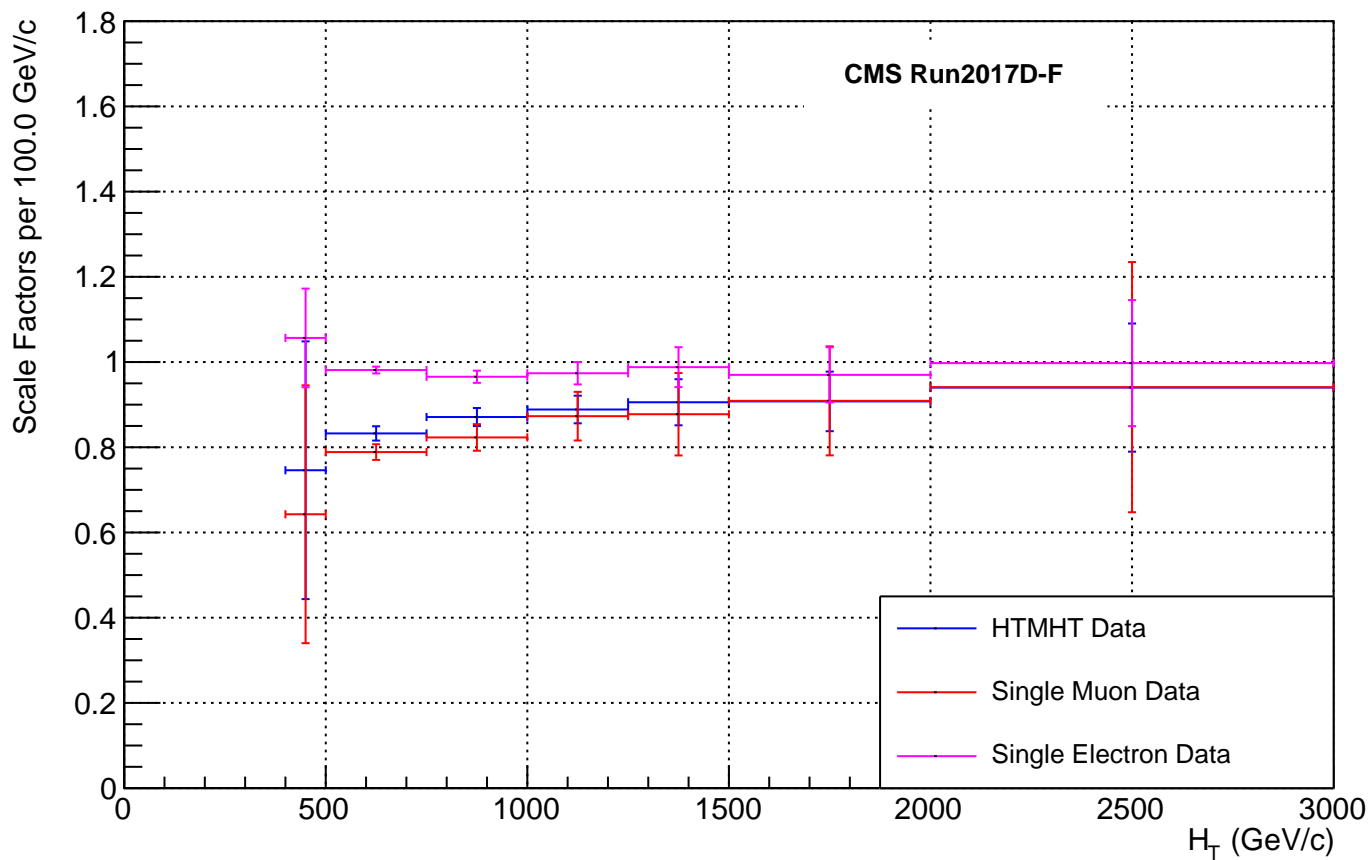
Number of Events per 10 GeV/c



| | |
|---------|--------|
| Entries | 258203 |
| Mean | 711.1 |
| Std Dev | 222.1 |



Ele32_WPTight_Gsf_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



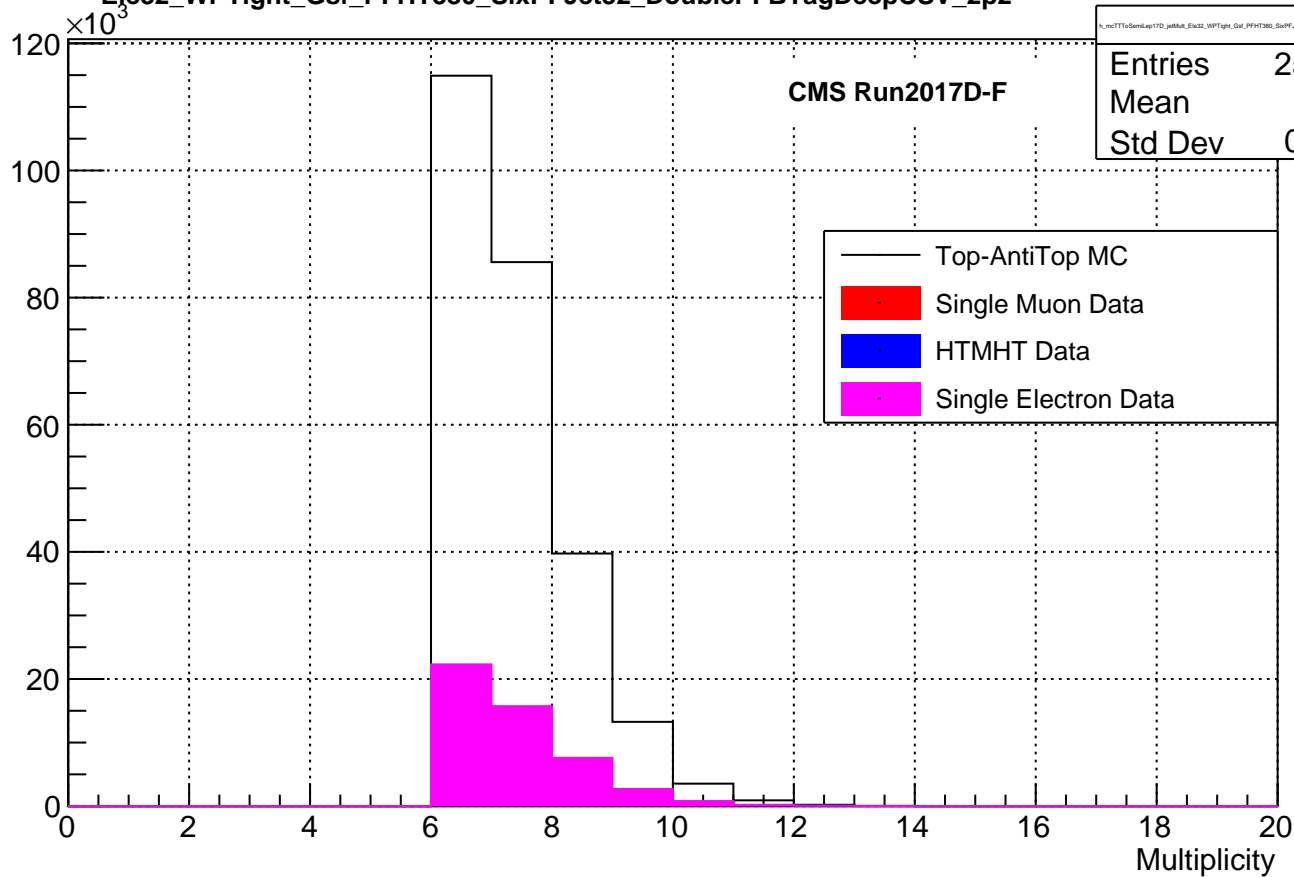
Eje32_WPTight_Gsf_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

Number of Events per Number of Jets

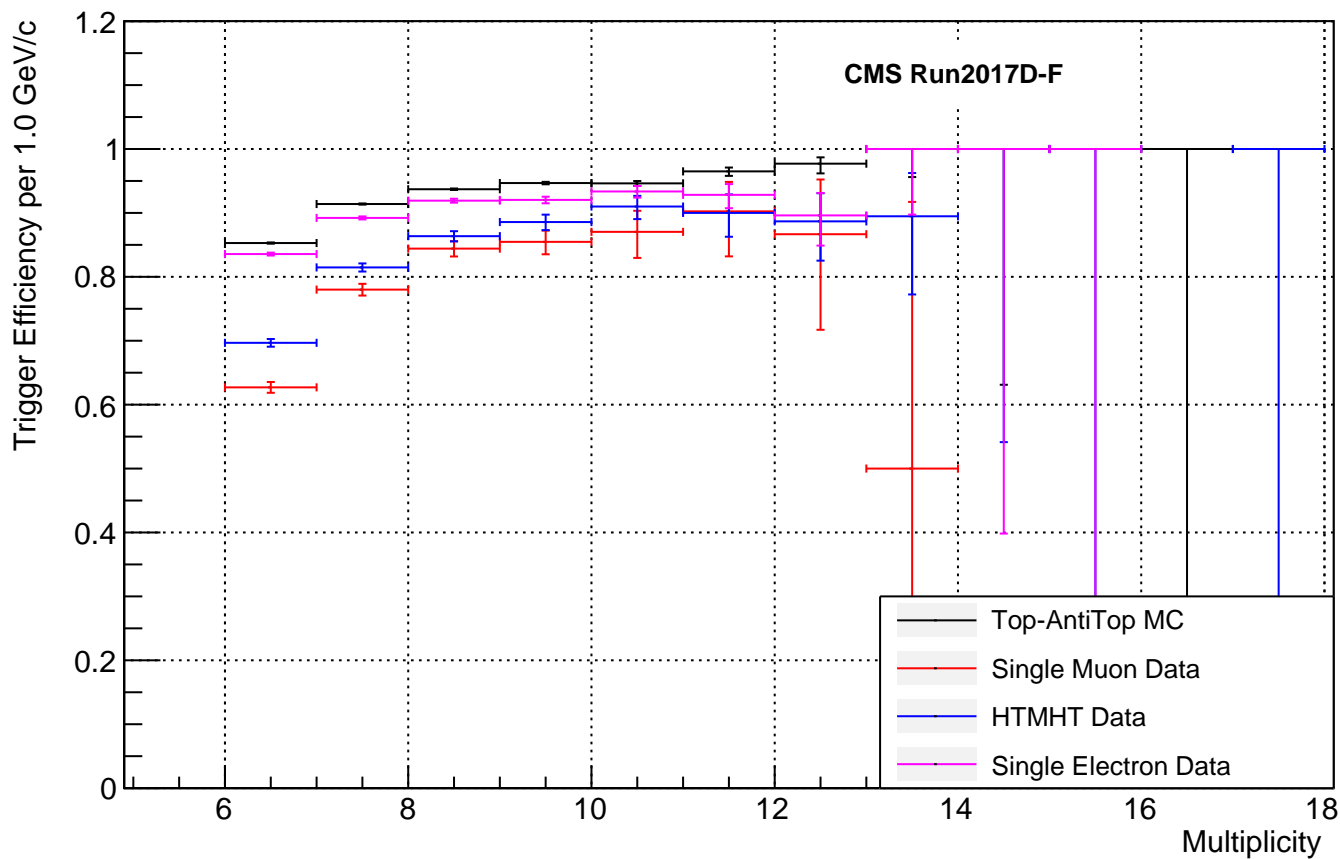
CMS Run2017D-F

| | |
|---------|--------|
| Entries | 258203 |
| Mean | 6.872 |
| Std Dev | 0.9975 |

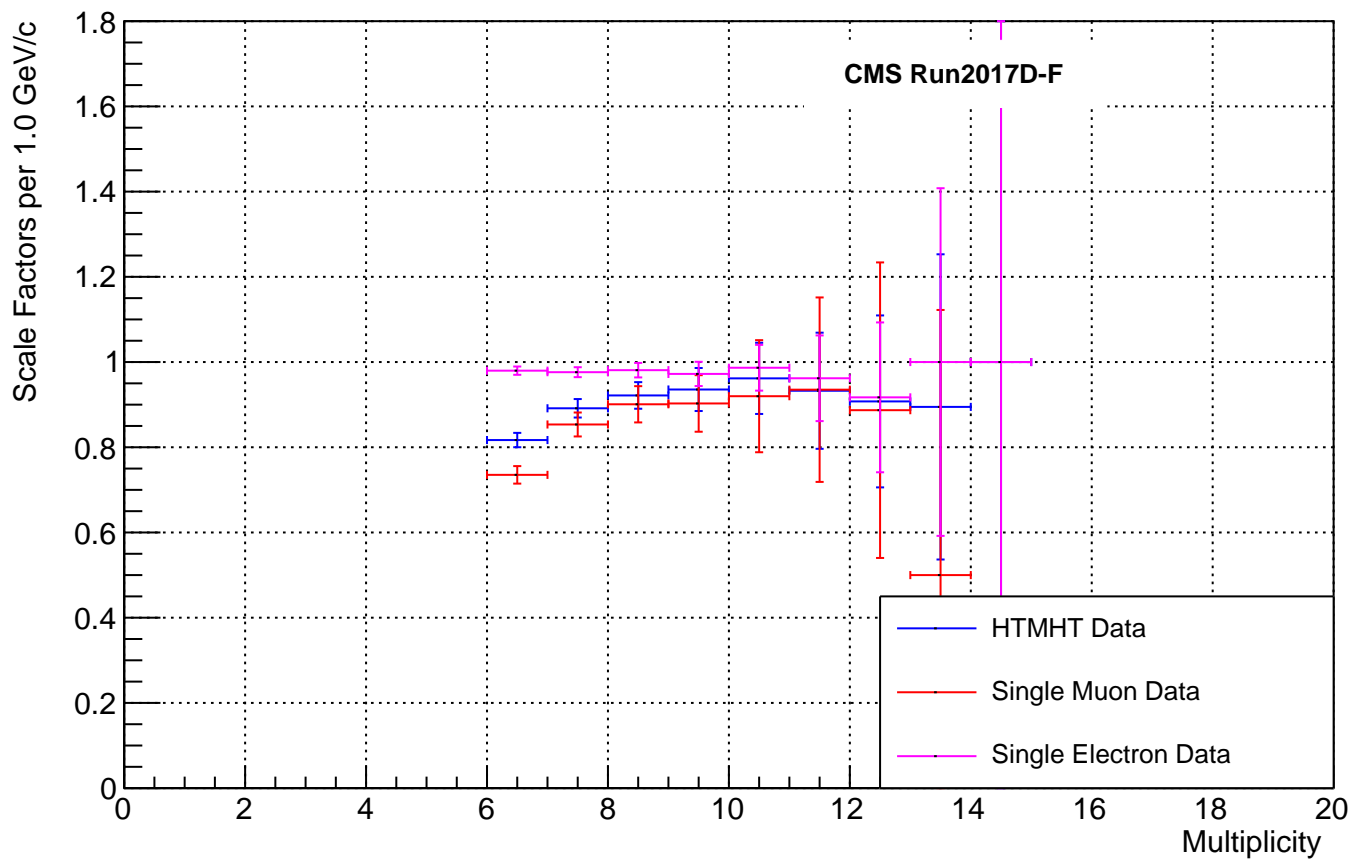
| | |
|---|----------------------|
| — | Top-AntiTop MC |
| ■ | Single Muon Data |
| ■ | HTMHT Data |
| ■ | Single Electron Data |



Ele32_WPTight_Gsf_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



Ele32_WPTight_Gsf_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



Values coming soon