

Pre-selection Requisites for:

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

Event Limit: None (see last page)

Baseline selection Requisites for:

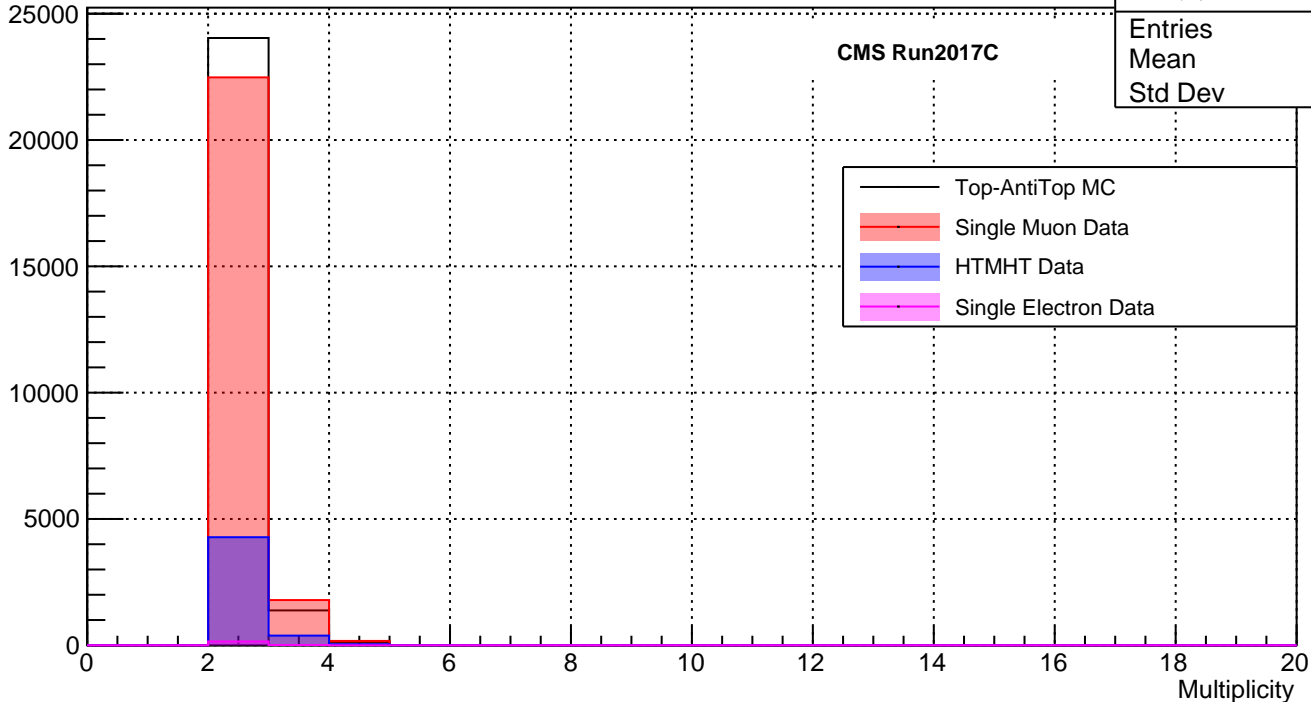
- **Jets:** $\text{jetId} > 2$, $p_T > 30$ and $|\eta| < 2.4$ (for at least 6 jets)
btagDeepFlavB > 0.7489 (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{PFRelIso_all} < 0.15$ (for at least 1)
- HT > 500 GeV

IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2

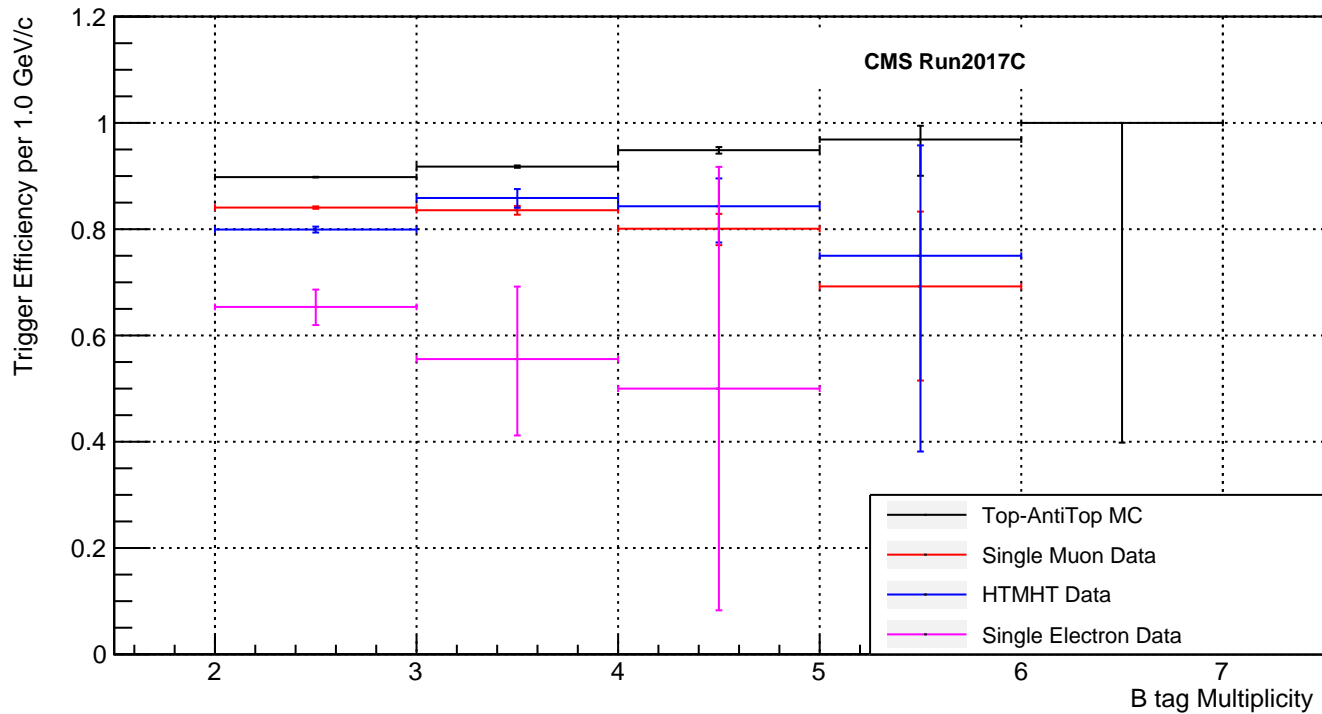
CMS Run2017C

| | |
|---|--------|
| h_mcTTTtoSemiLep17C_jetBMult_isoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2 | |
| Entries | 275885 |
| Mean | 2.064 |
| Std Dev | 0.2662 |

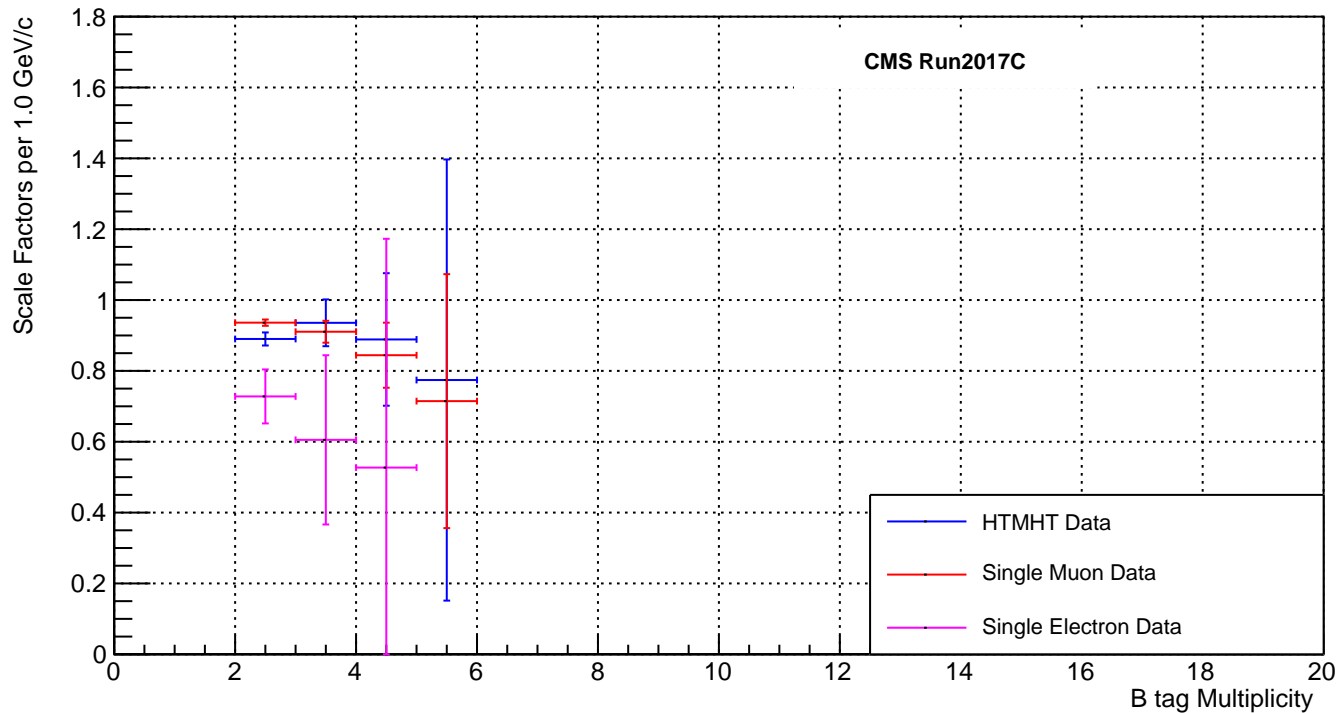
Number of Events /Number of Jets



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2

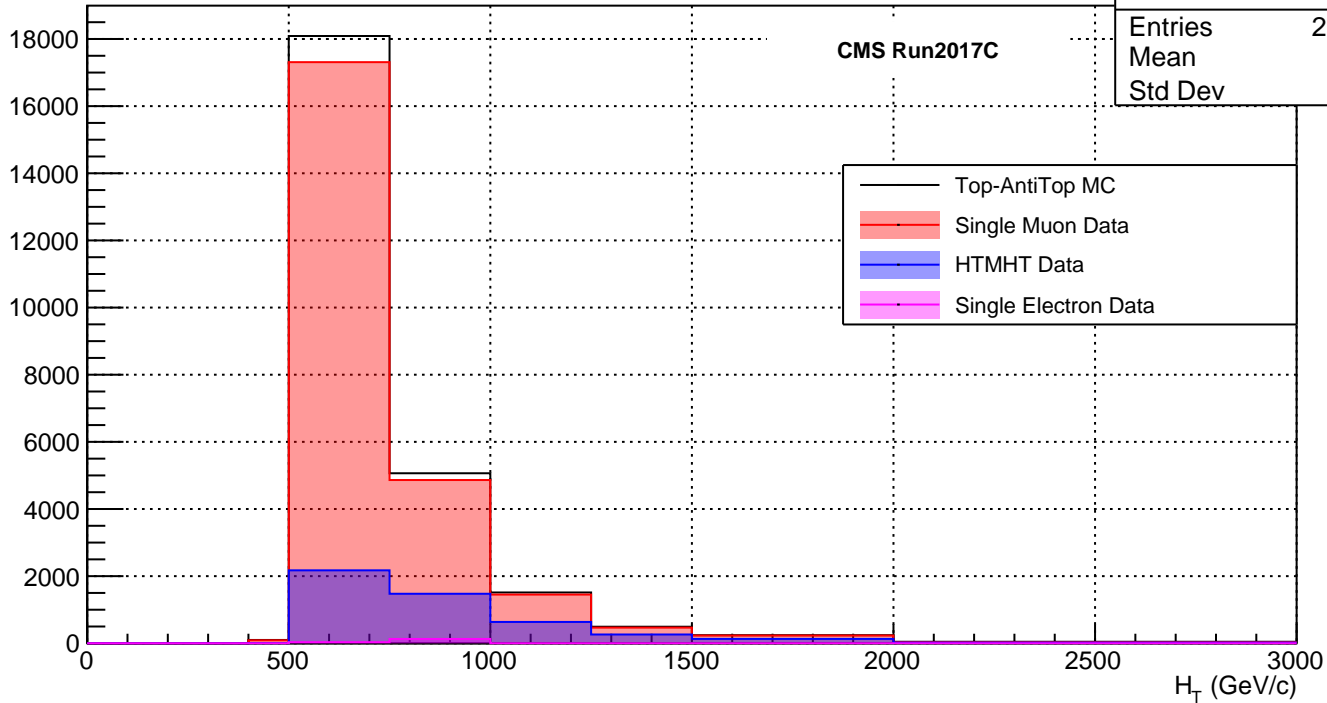


IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2

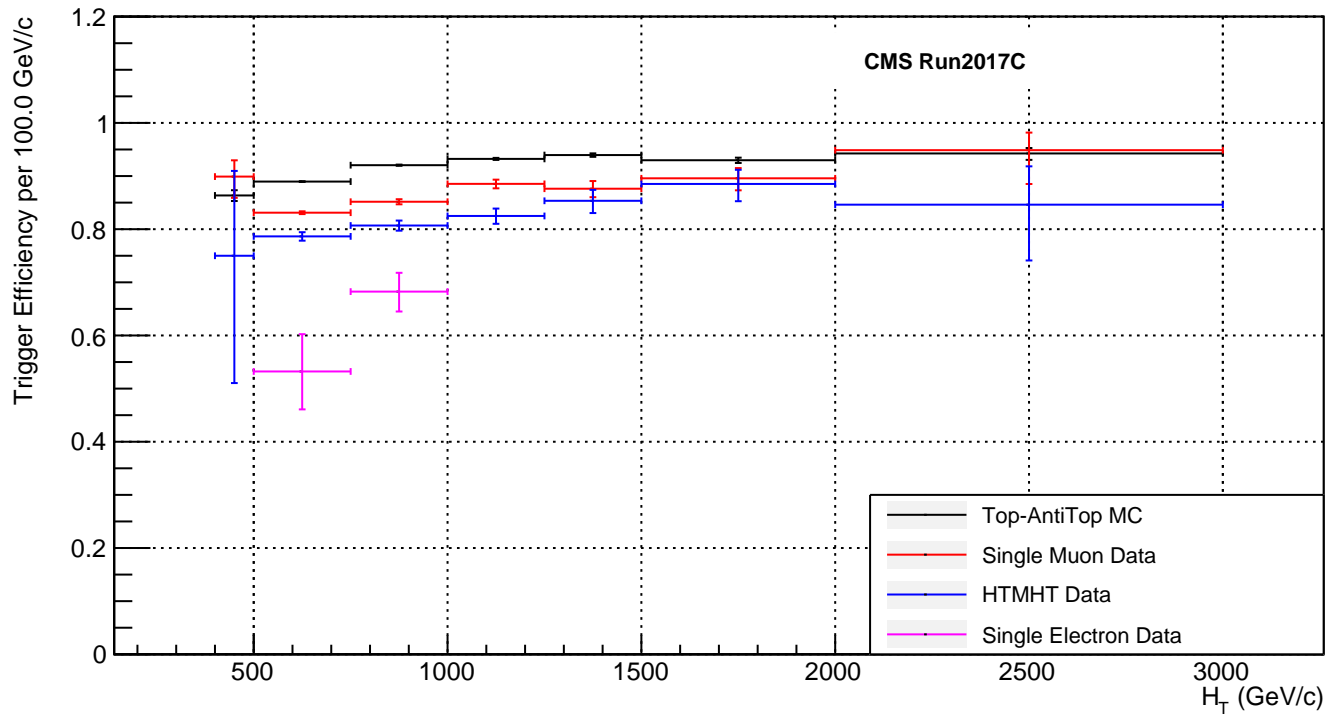
CMS Run2017C

| | |
|---------|--------|
| Entries | 275885 |
| Mean | 707.2 |
| Std Dev | 218.4 |

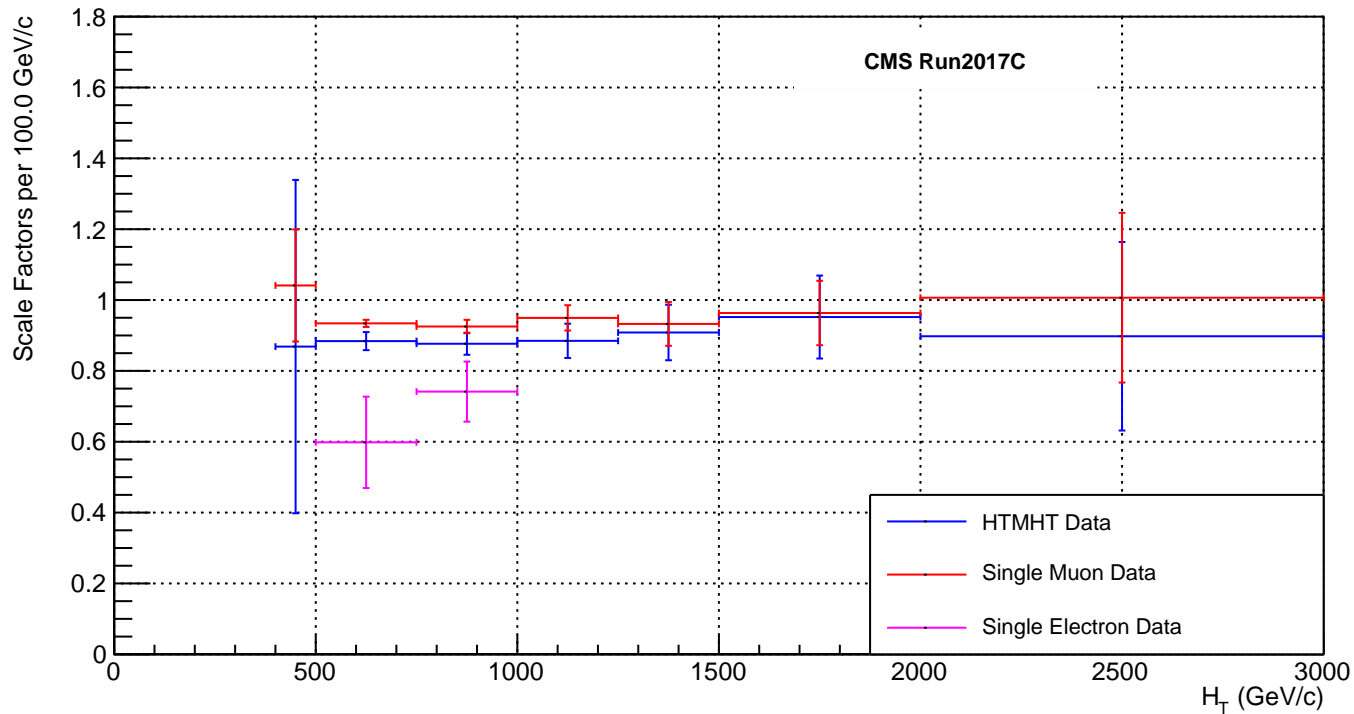
Number of Events per 10 GeV/c



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2

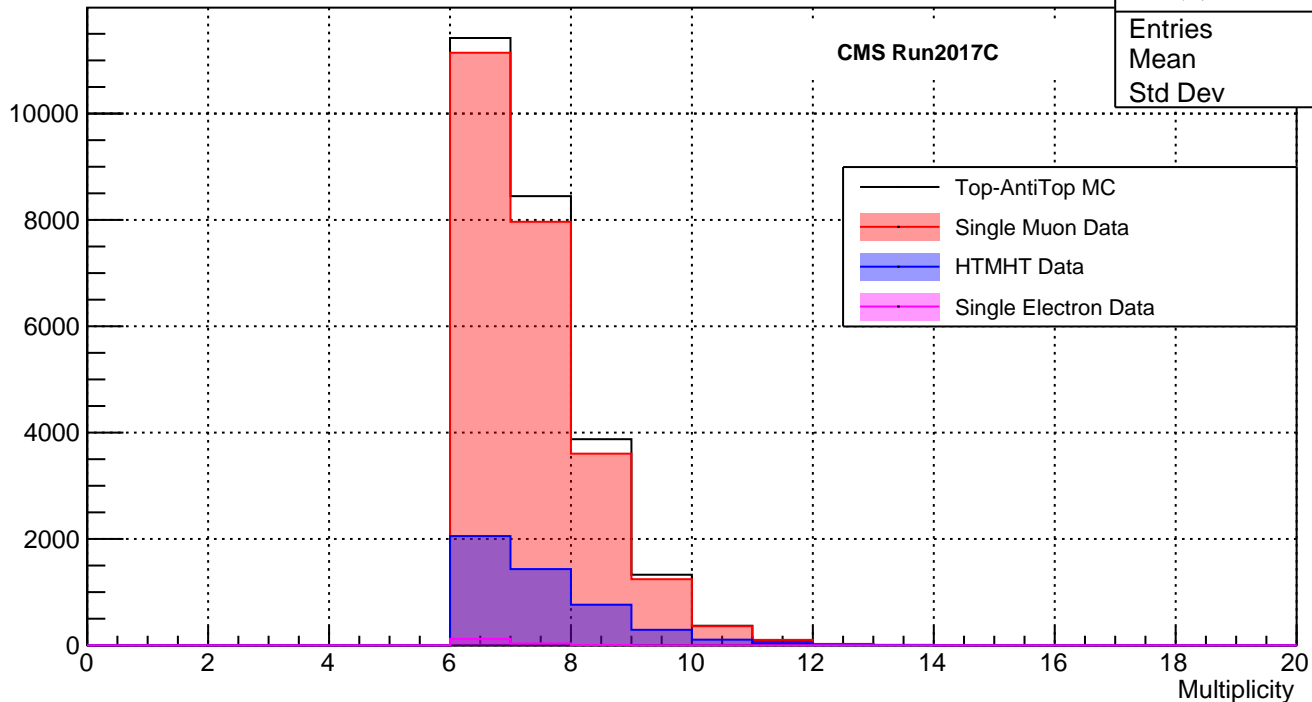


IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2

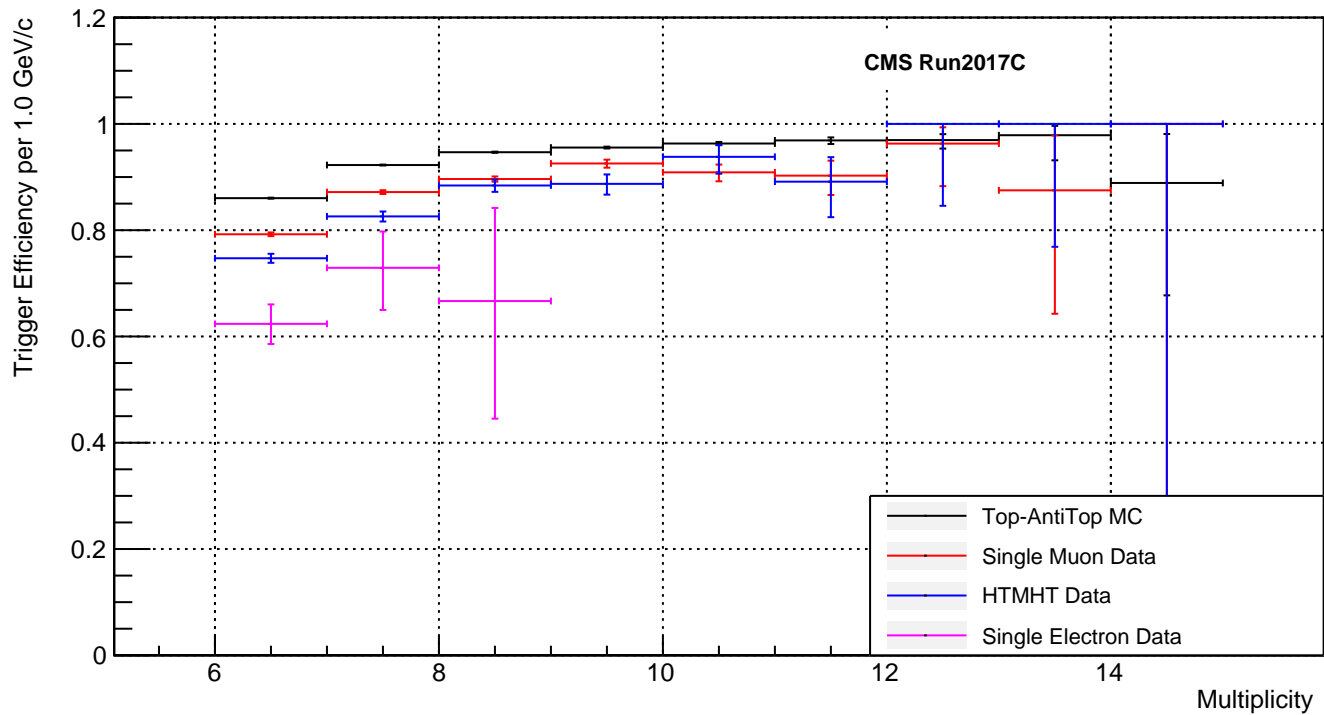
CMS Run2017C

| | |
|---|--------|
| h_mcTTTcSemiLep17C_jetMult_IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2 | |
| Entries | 275885 |
| Mean | 6.87 |
| Std Dev | 0.9996 |

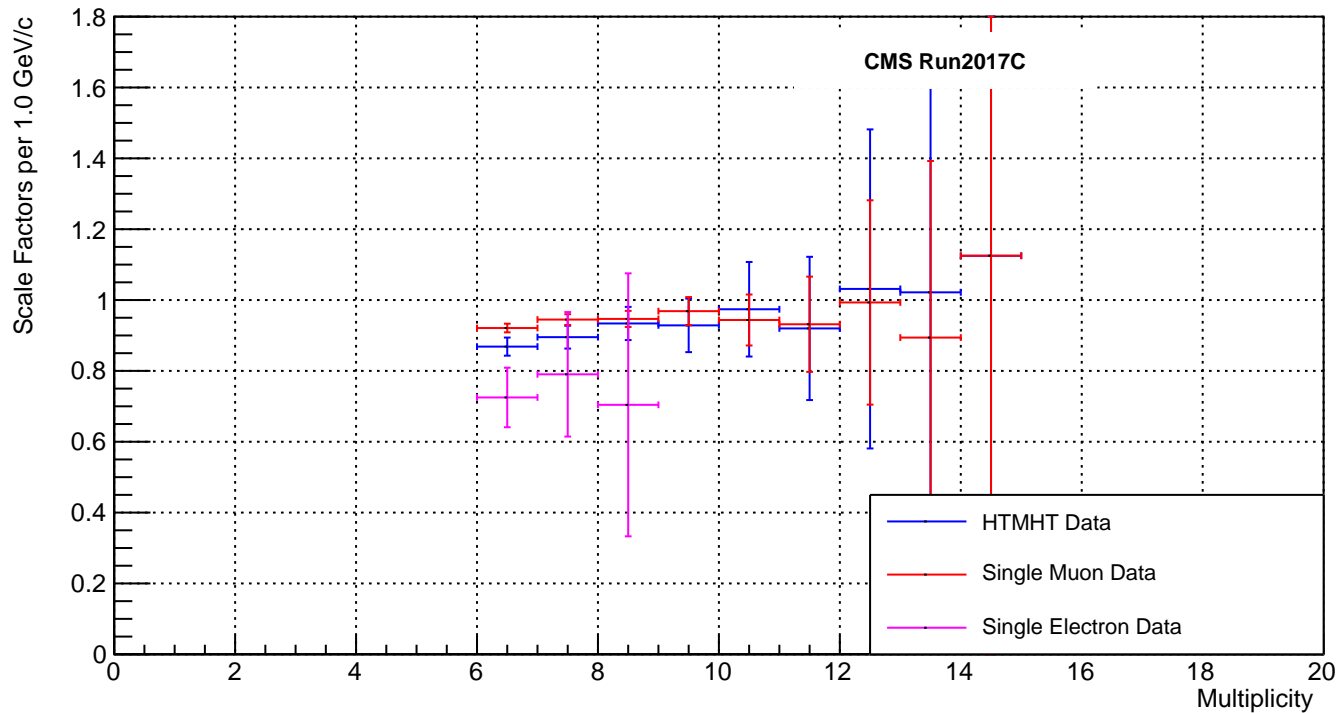
Number of Events per Number of Jets



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2

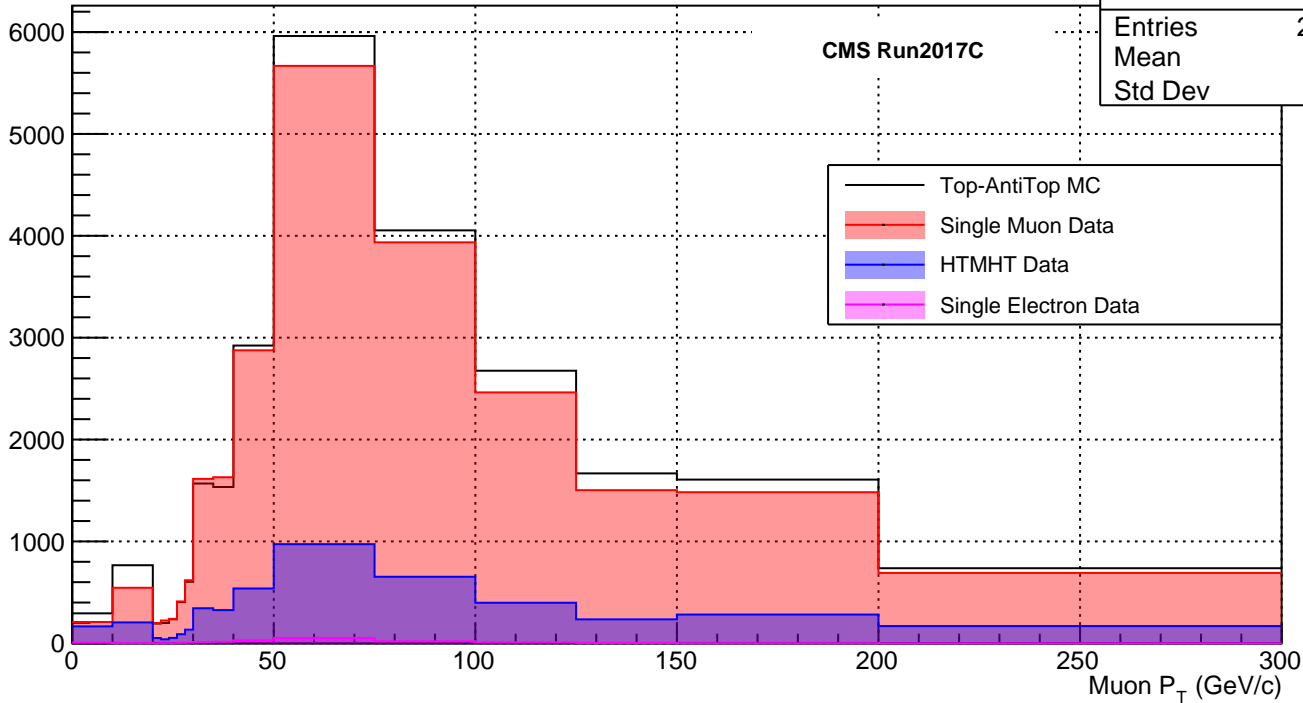
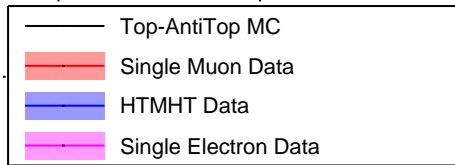


IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2

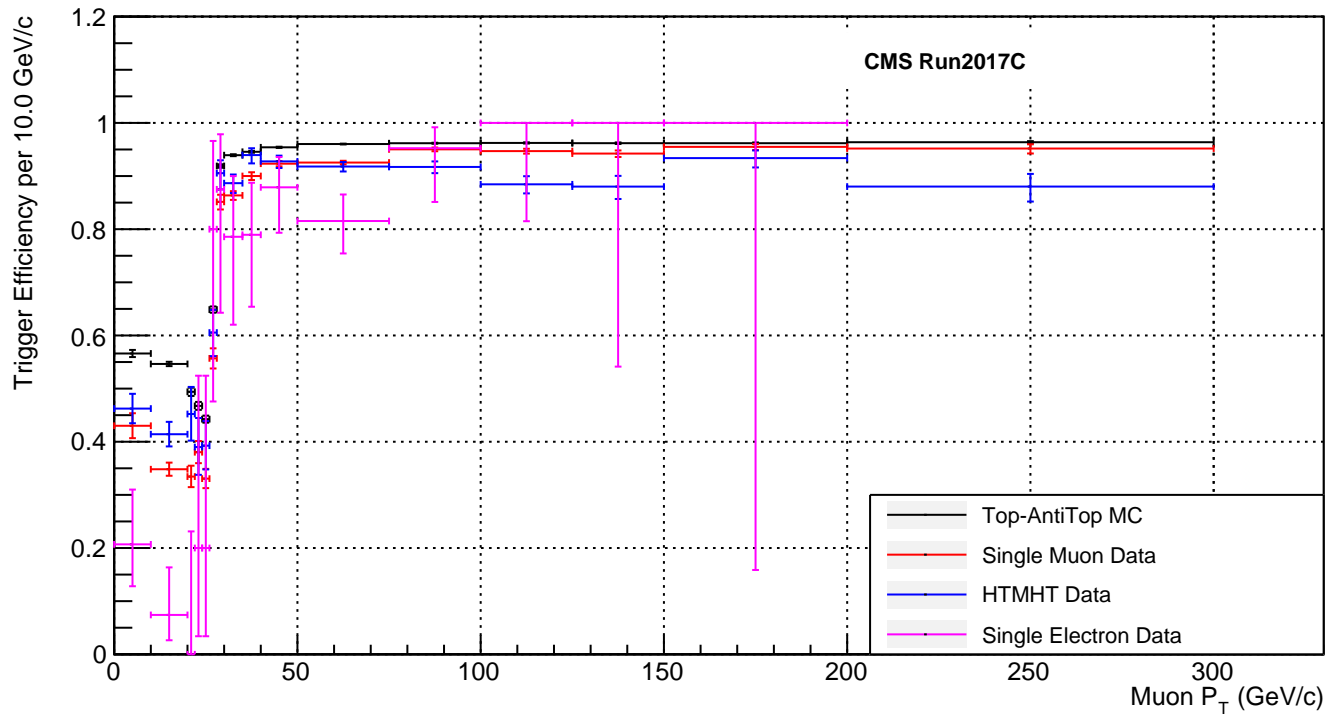
Number of Events per 1 GeV/c

CMS Run2017C

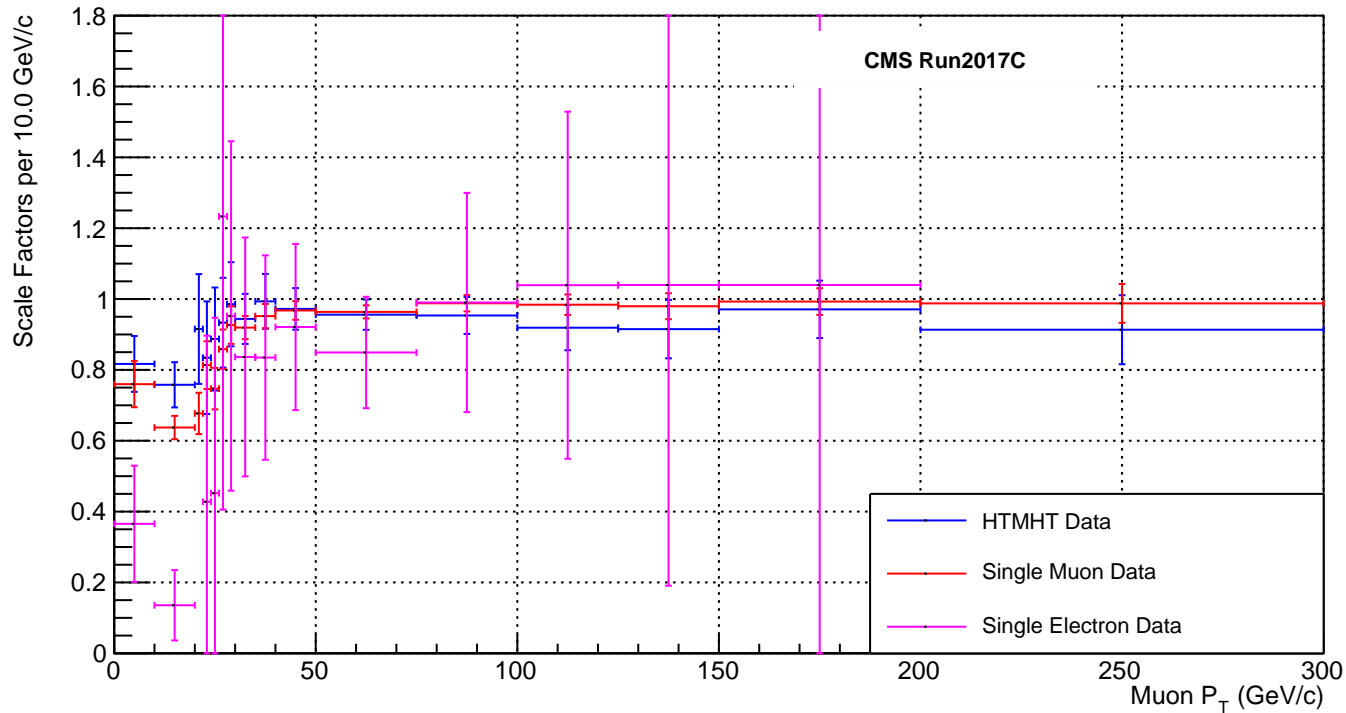
| | |
|---------|--------|
| Entries | 275885 |
| Mean | 78.23 |
| Std Dev | 49.27 |



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2



IsoMu27_PFHT380_SixPFJet32_DoublePFBTagCSV_2p2



Values coming soon