

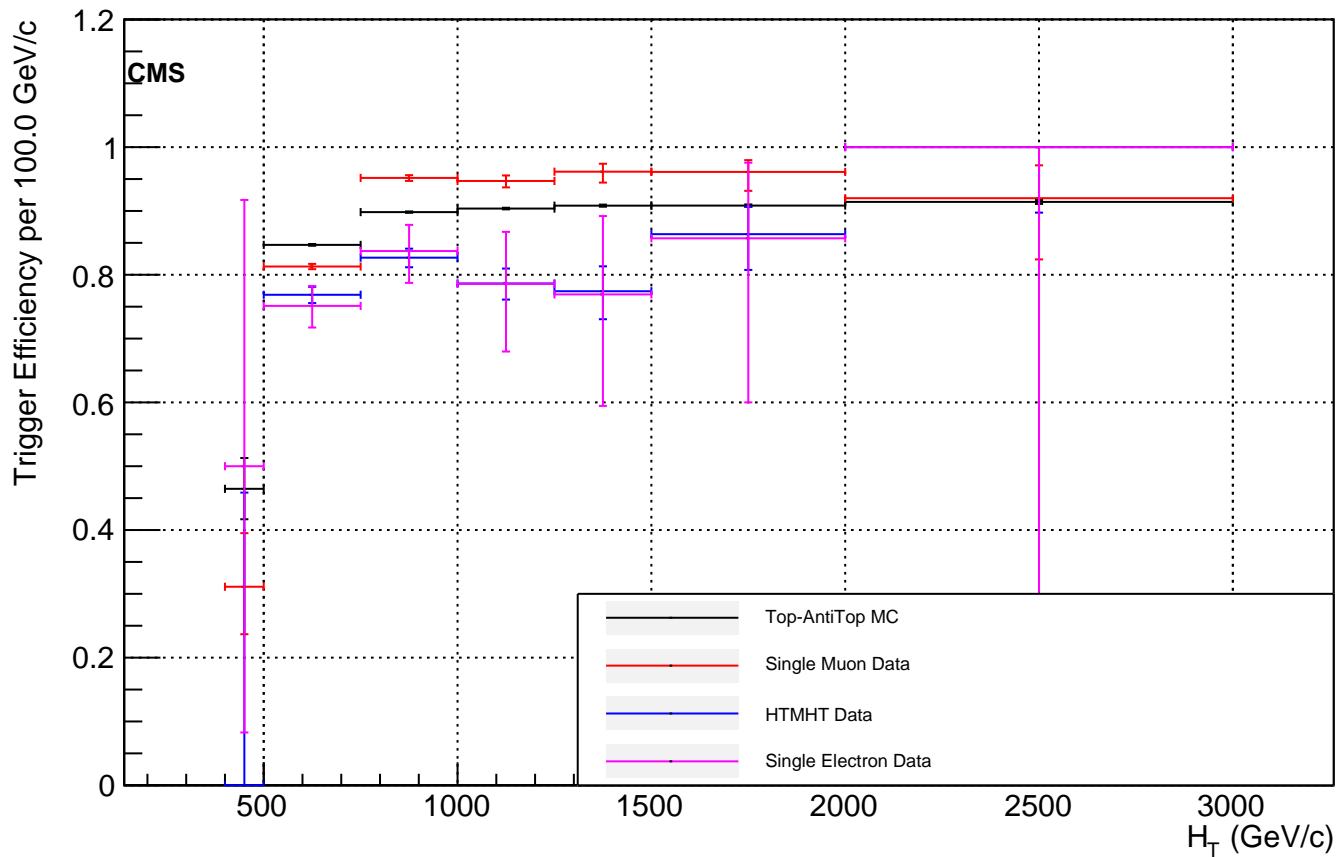
On-line (pre-)selection Requisites for:

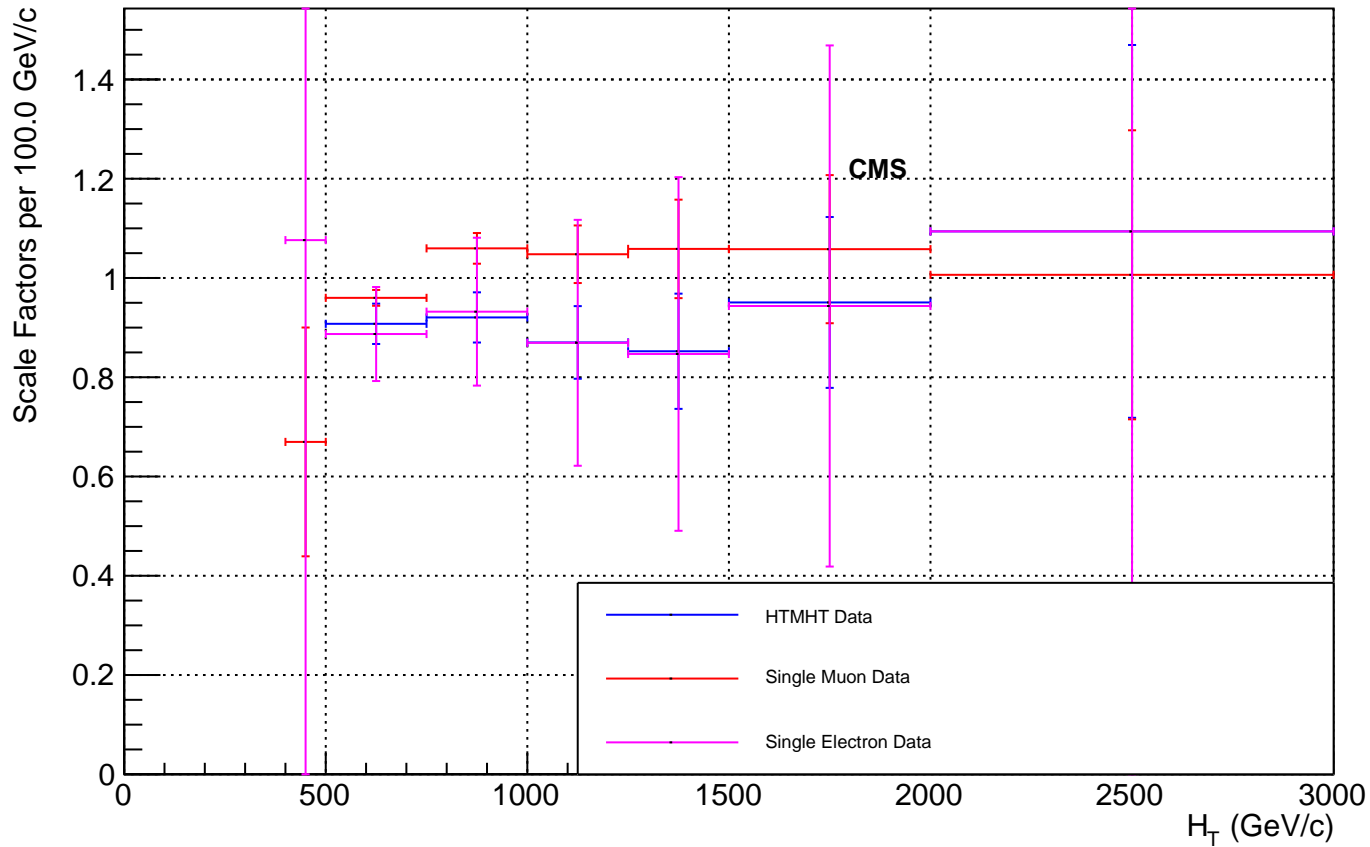
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

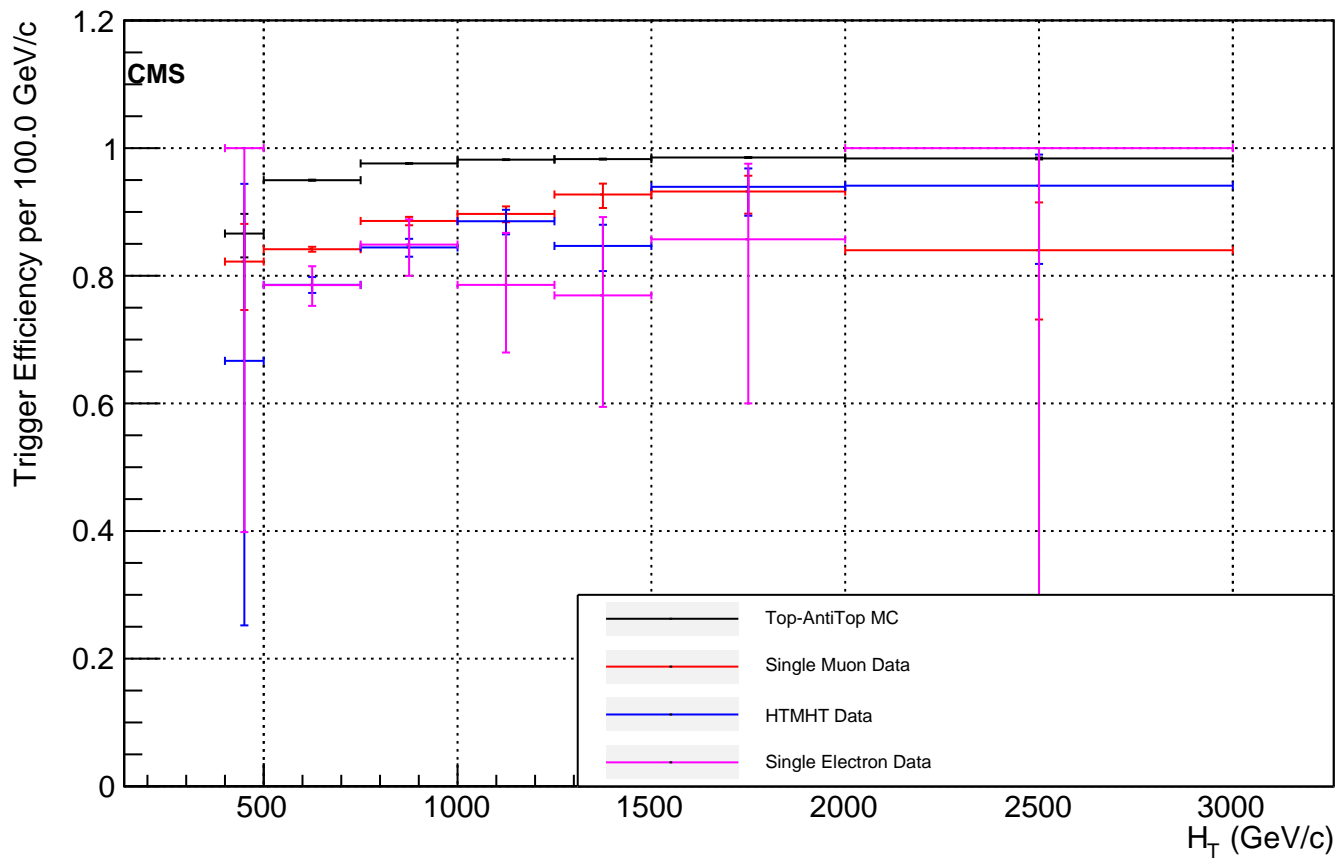
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

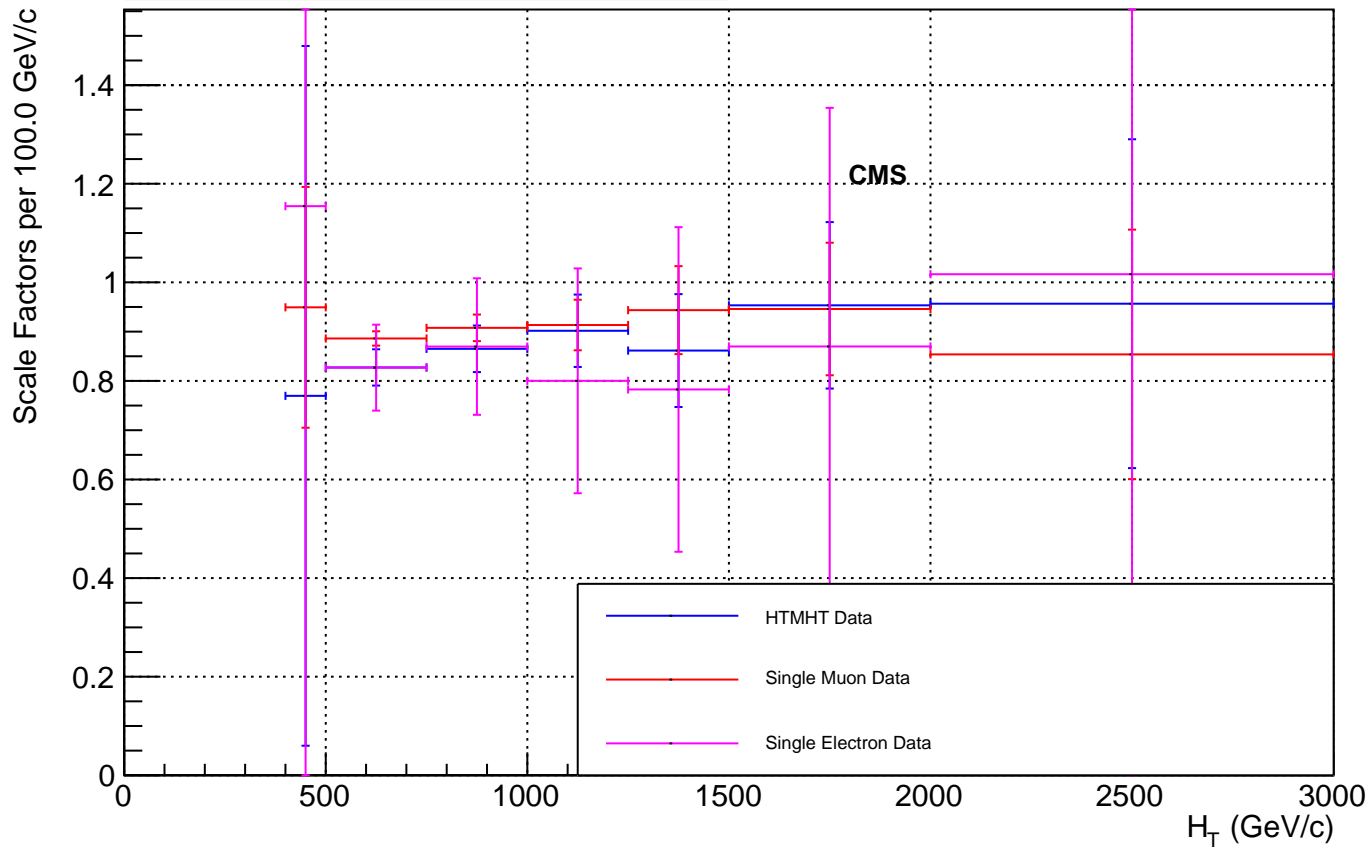
- **Jets:** $\text{jetId} > 2$, $p_{\text{T}} > 30$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId , $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

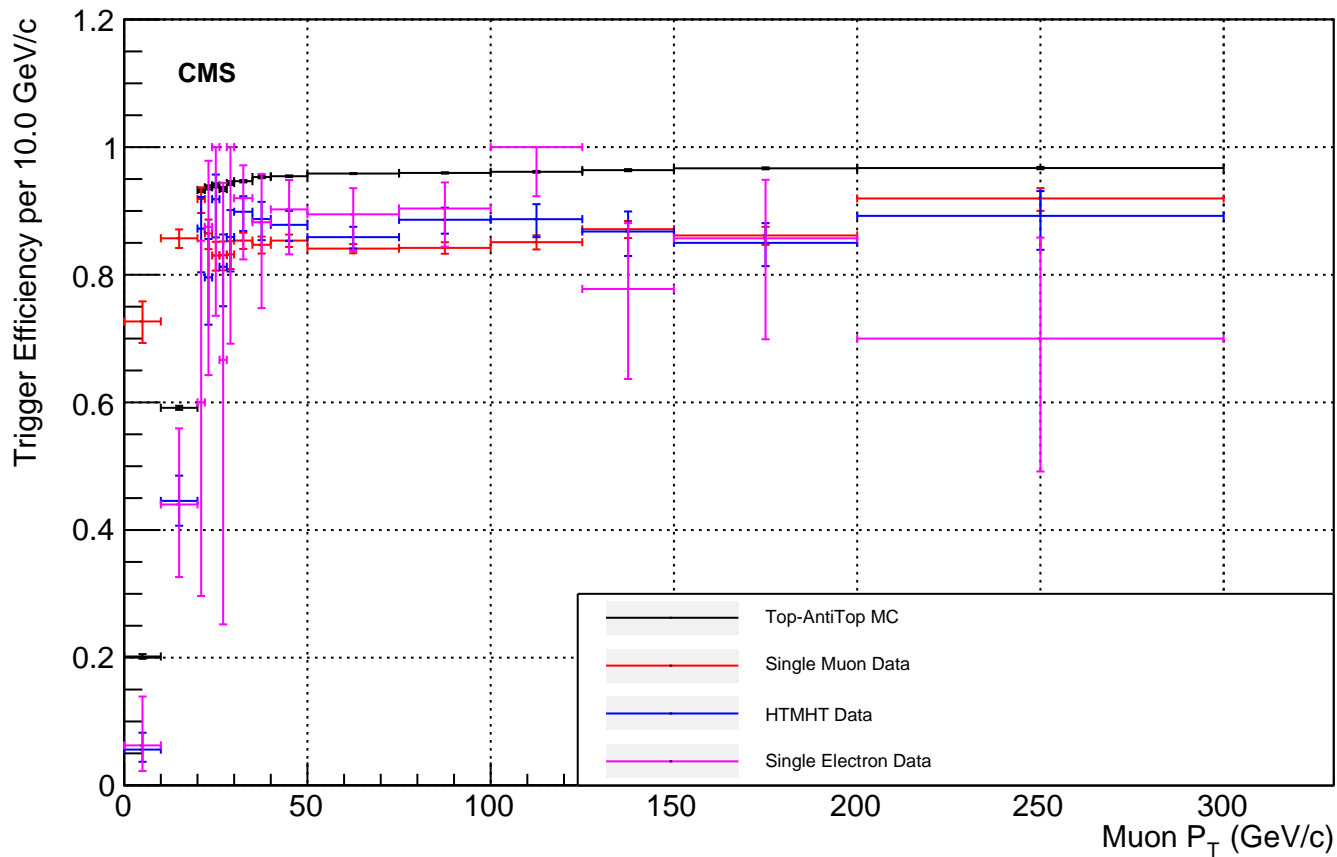


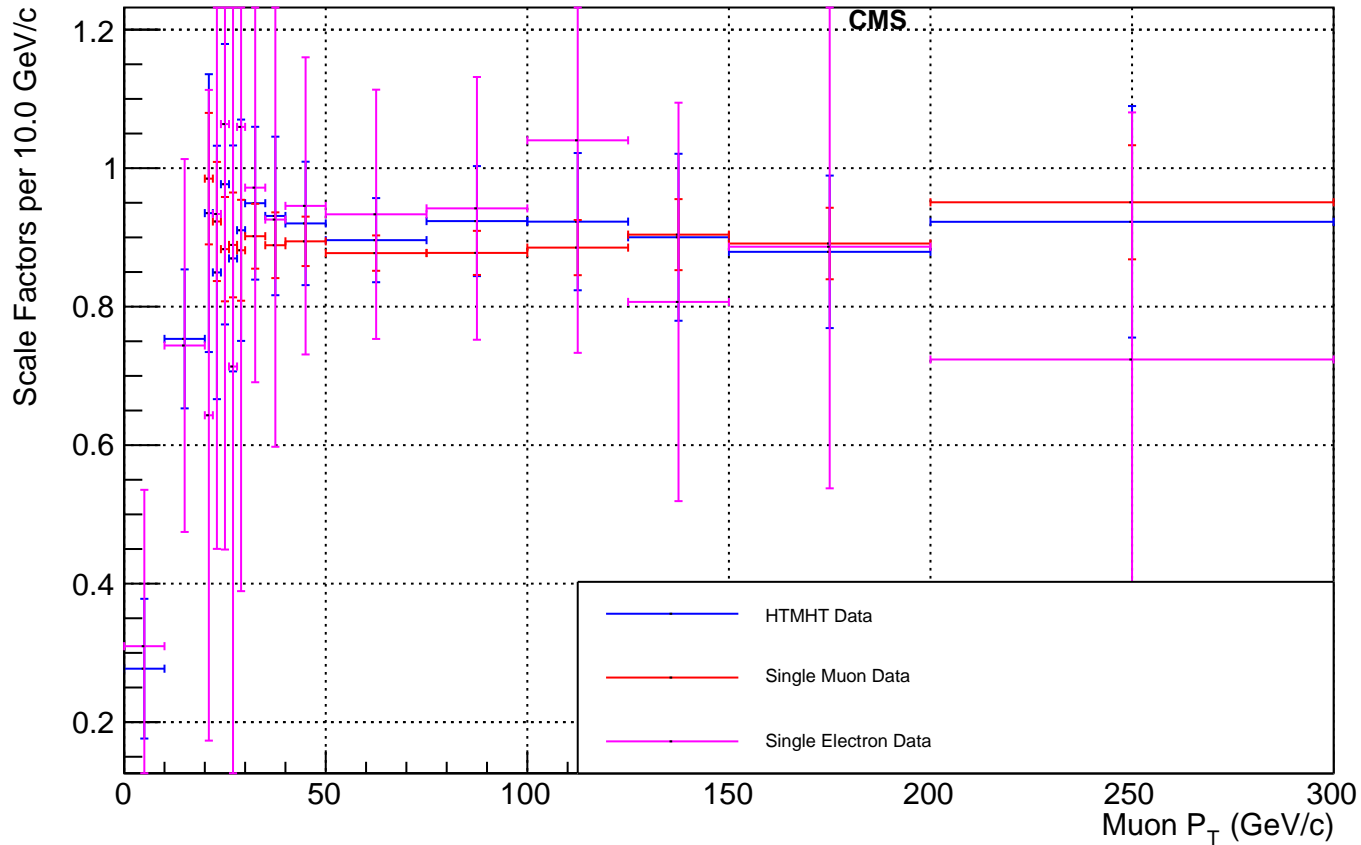




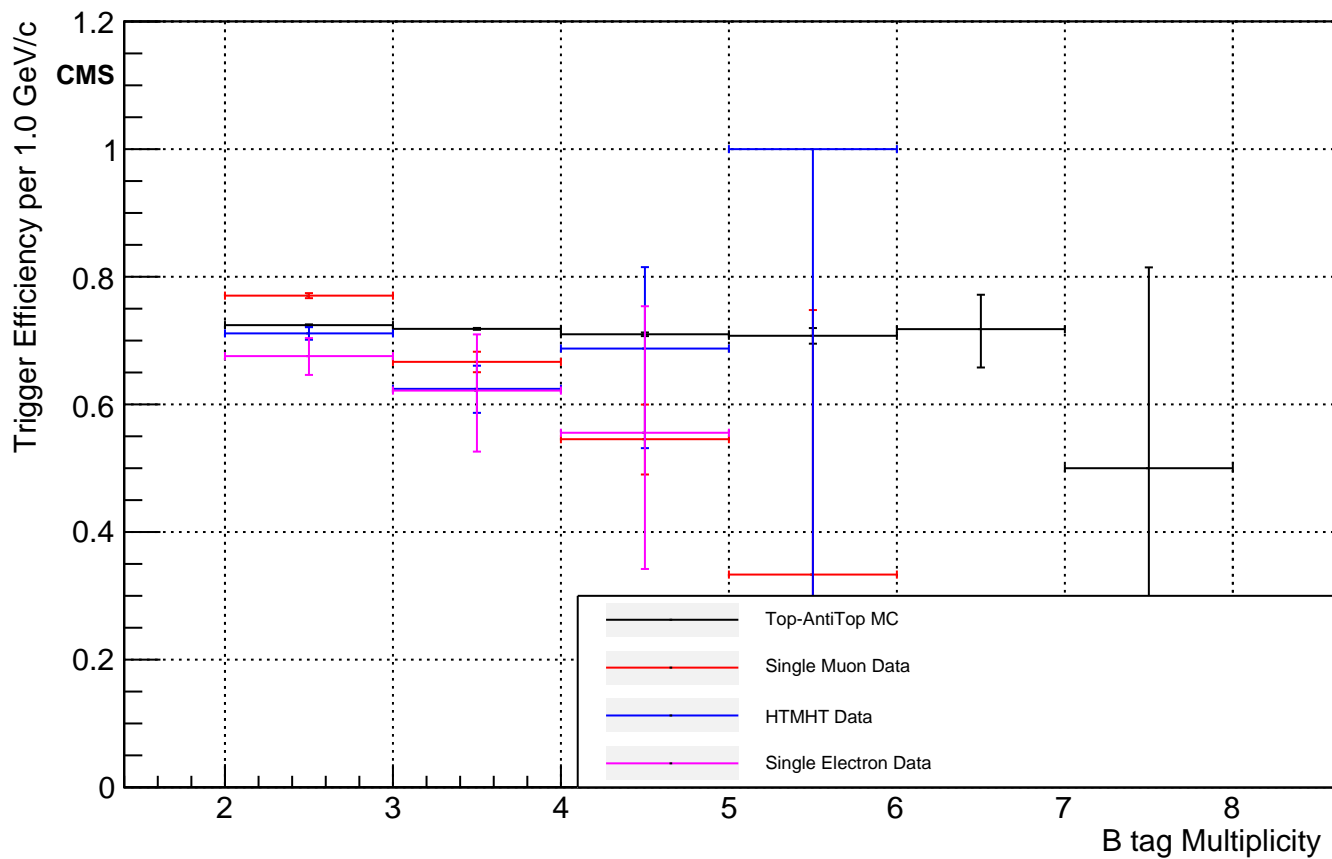
IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2







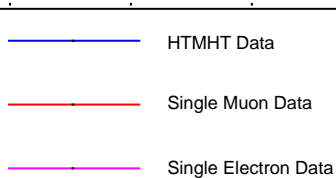
IsoMu27



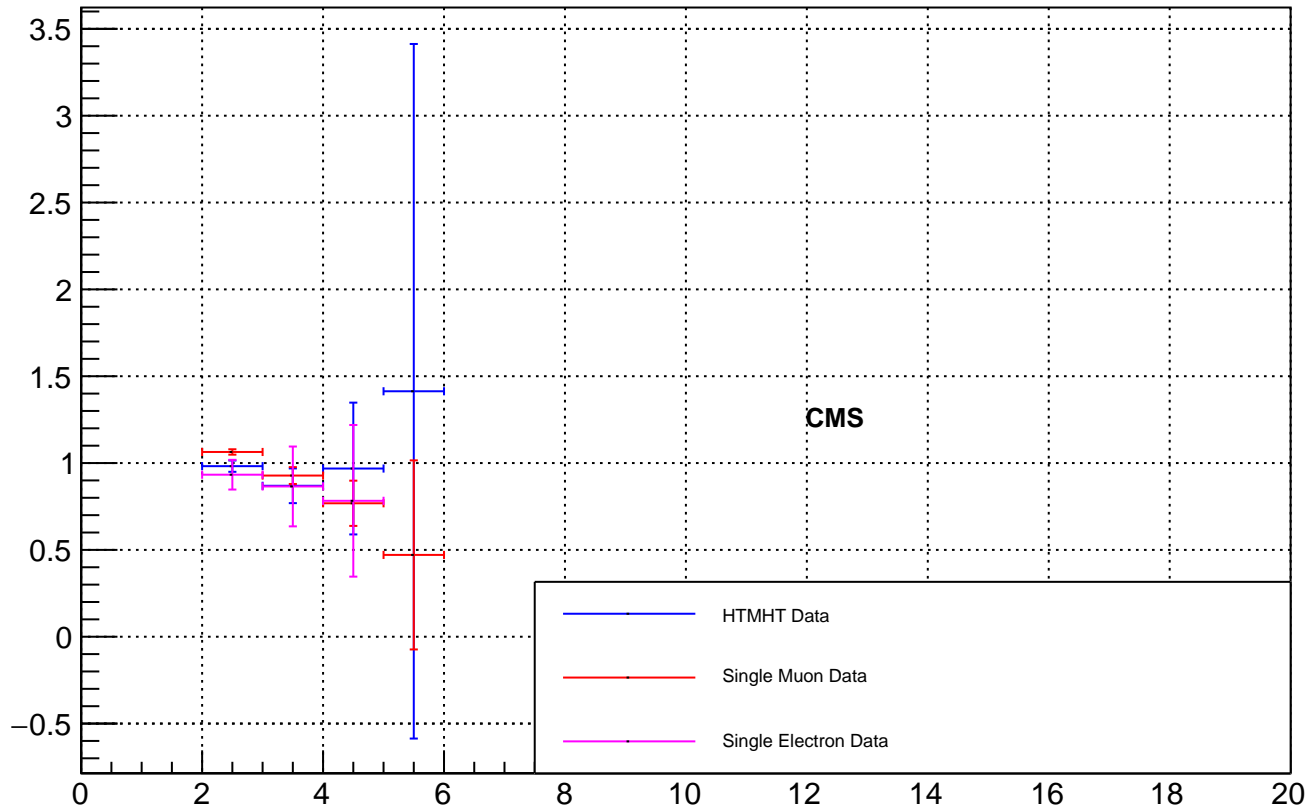
Scale Factors per 1.0 GeV/c

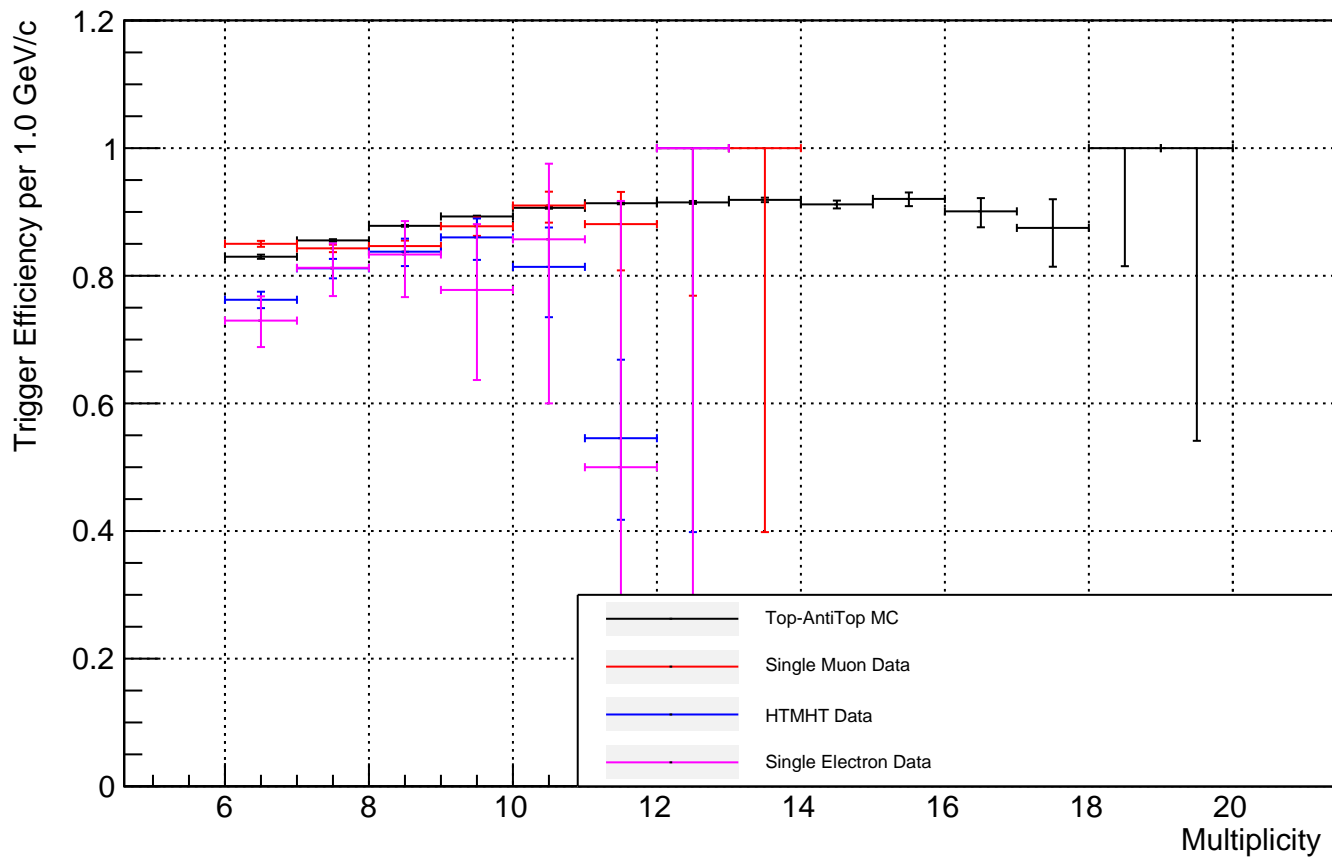
IsoMu27

CMS

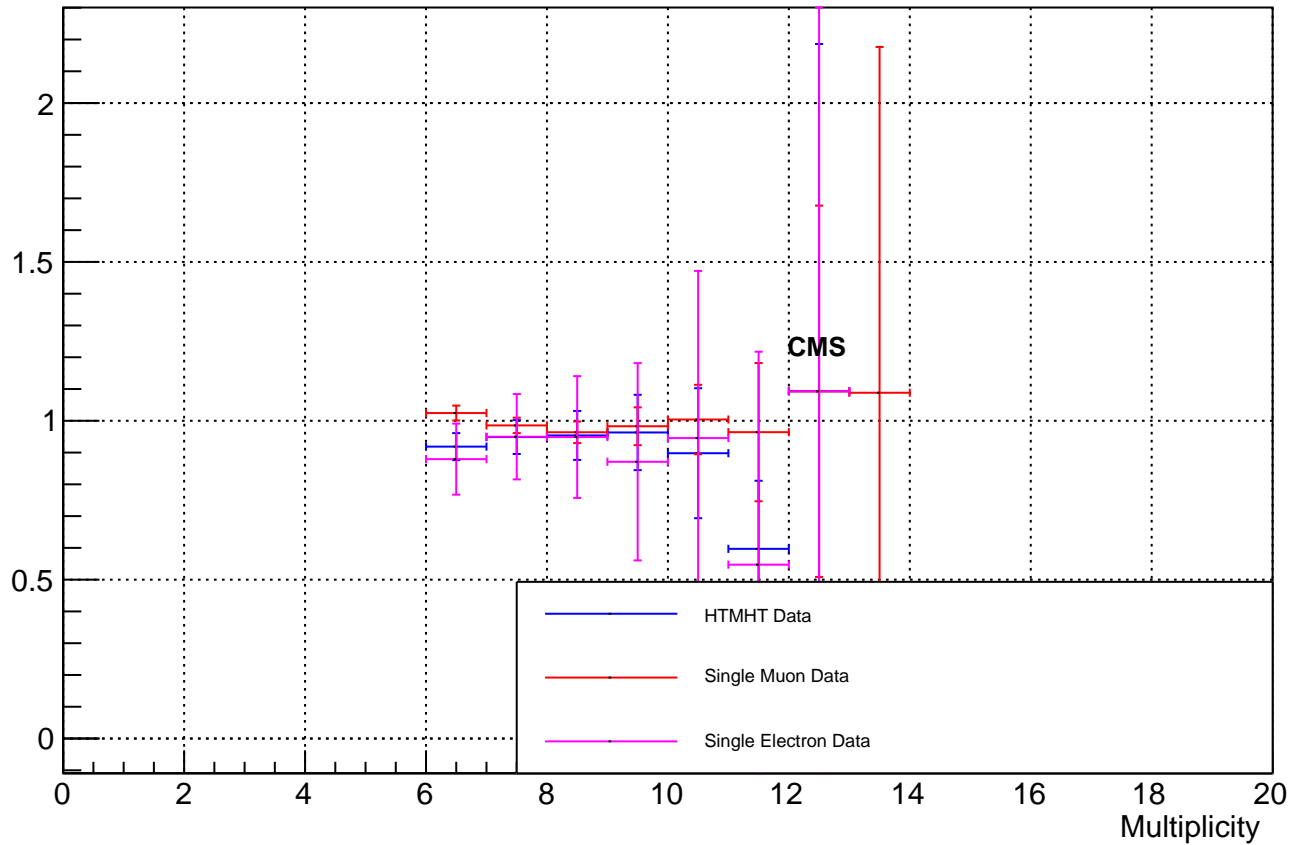


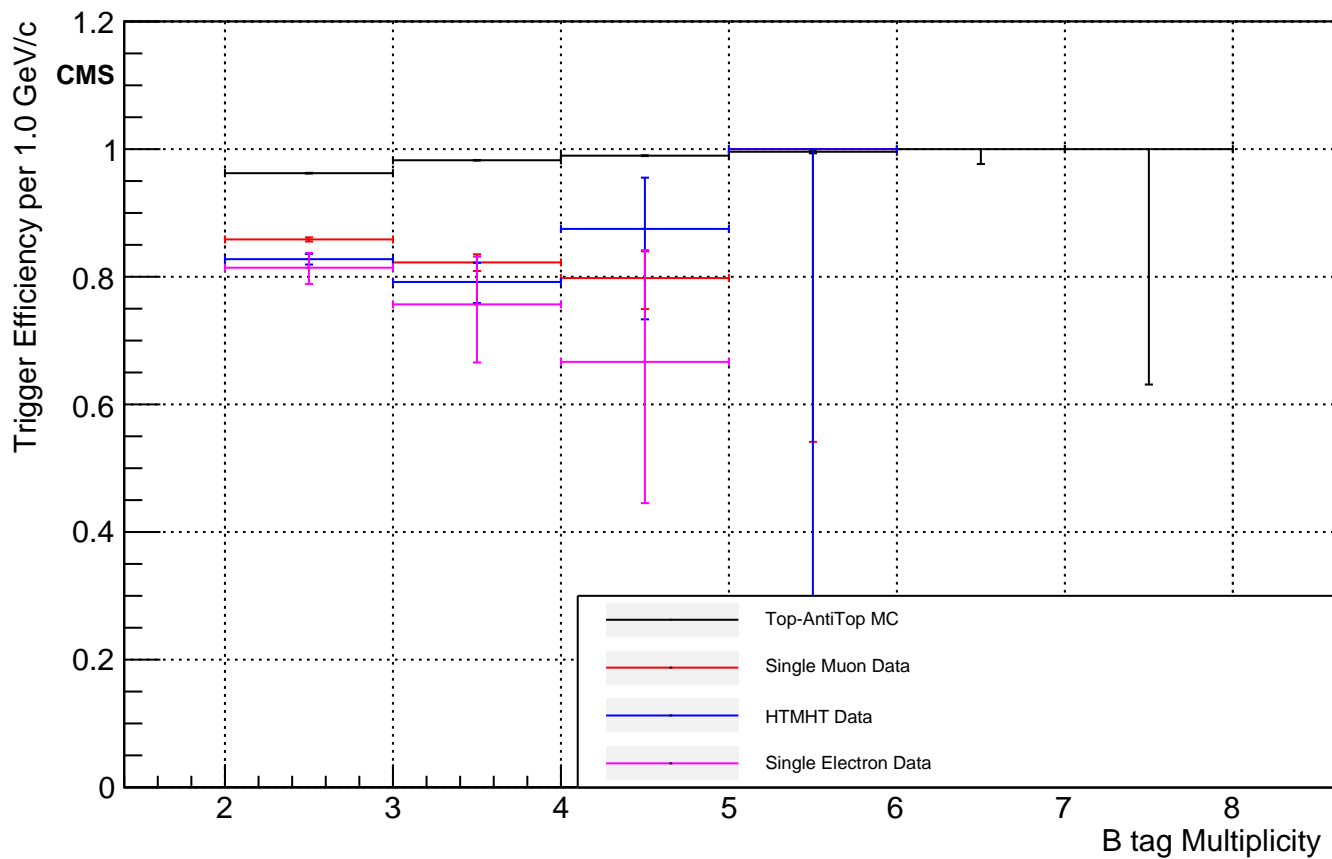
B tag Multiplicity



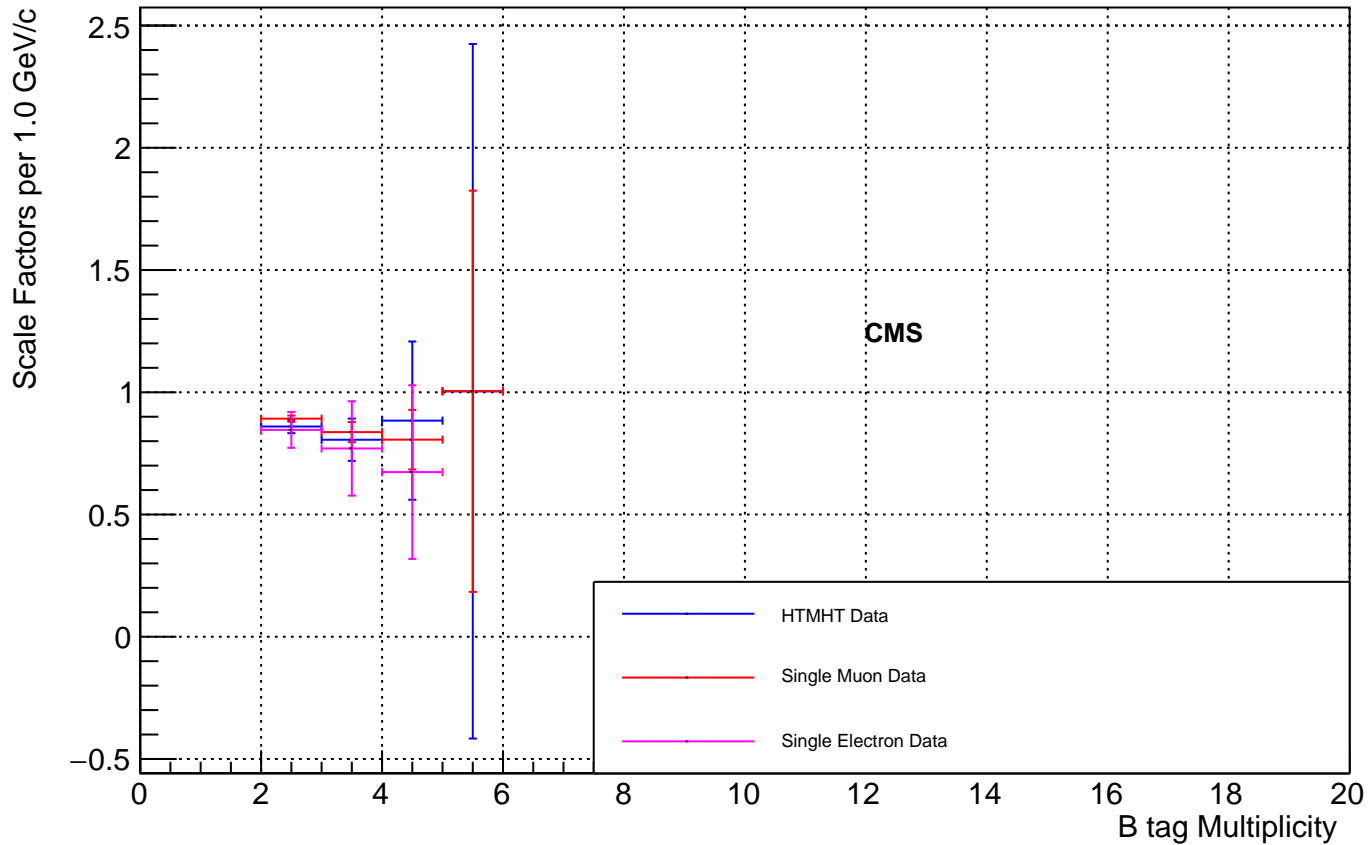


Scale Factors per 1.0 GeV/c

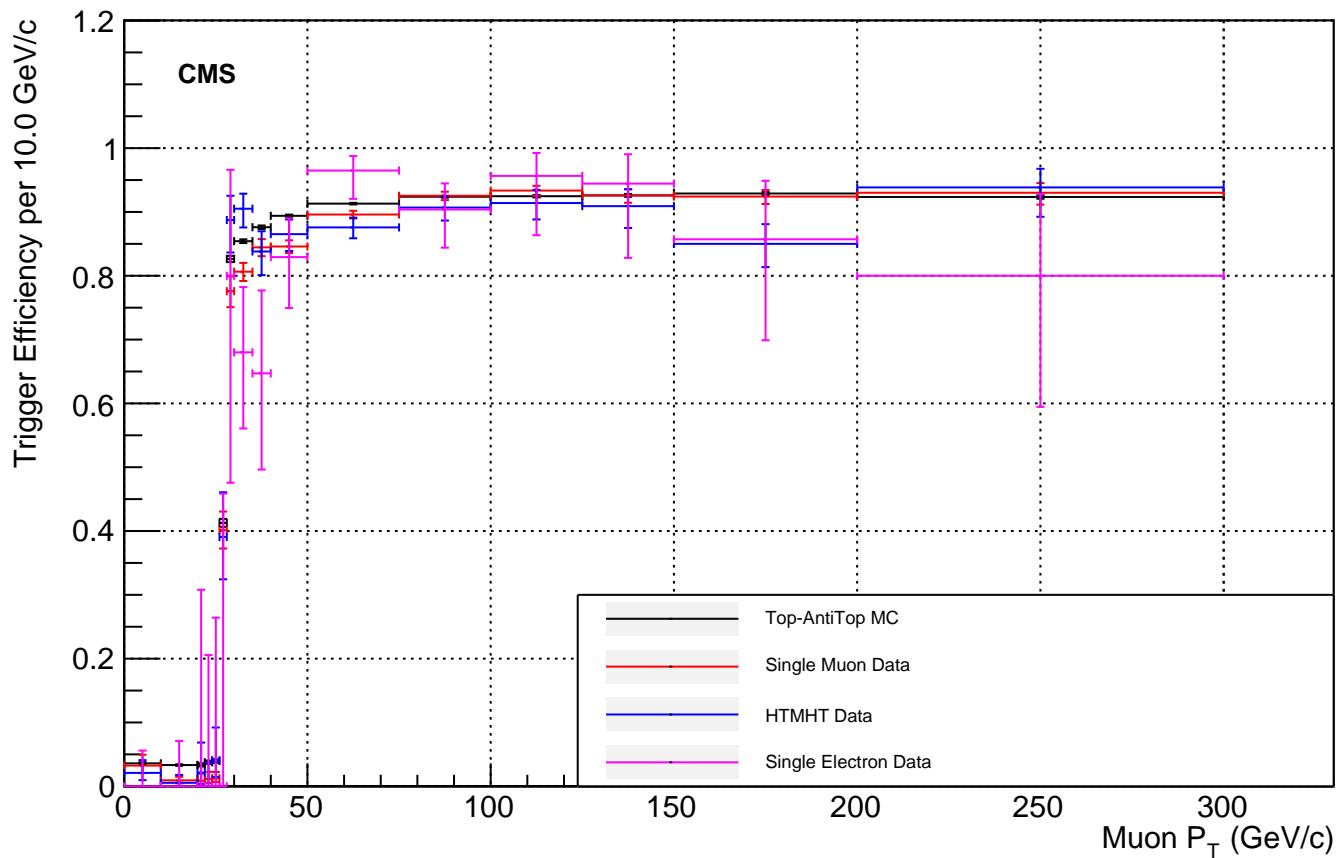




IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



IsoMu27



IsoMu27

Scale Factors per 10.0 GeV/c

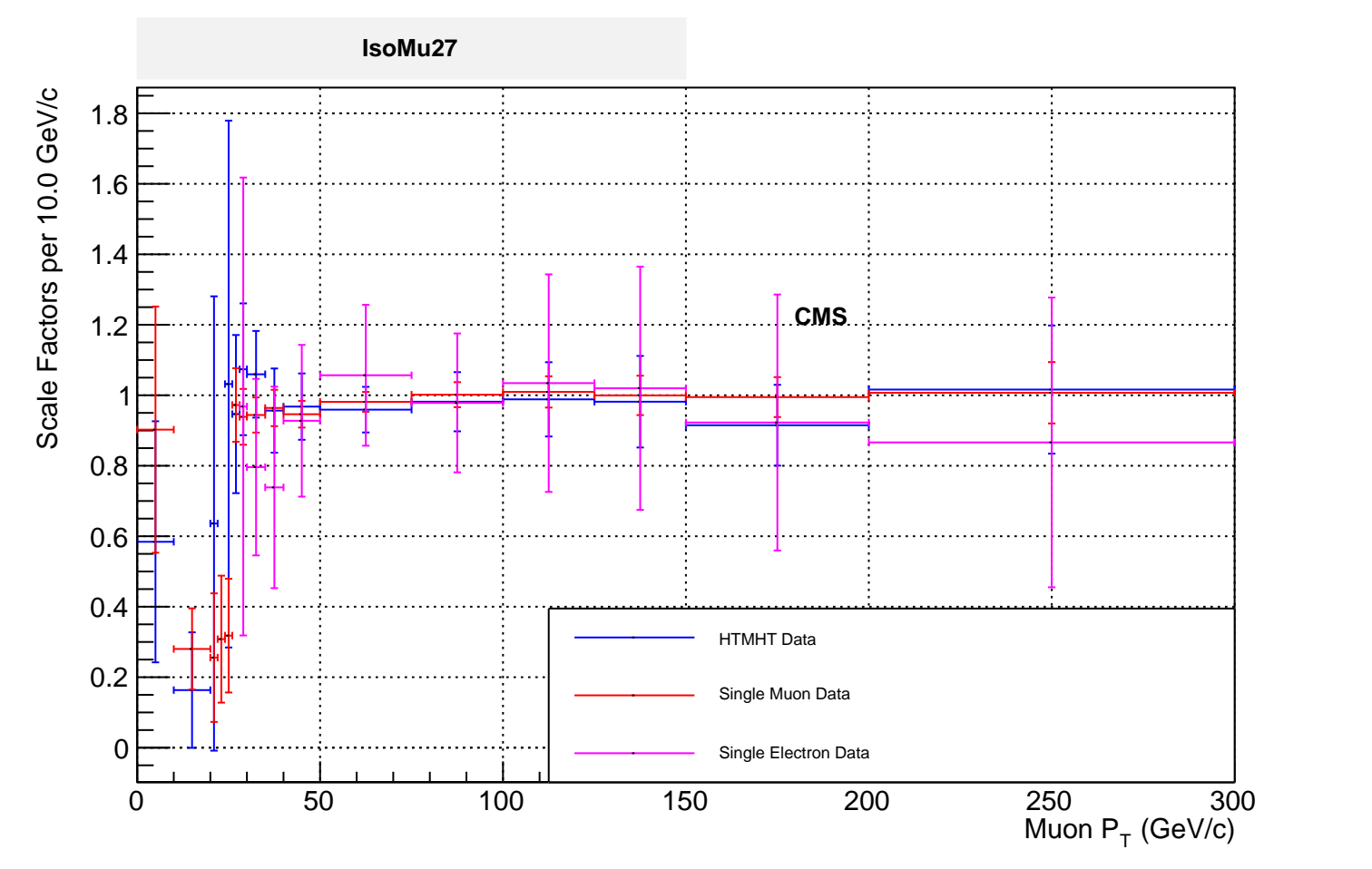
CMS

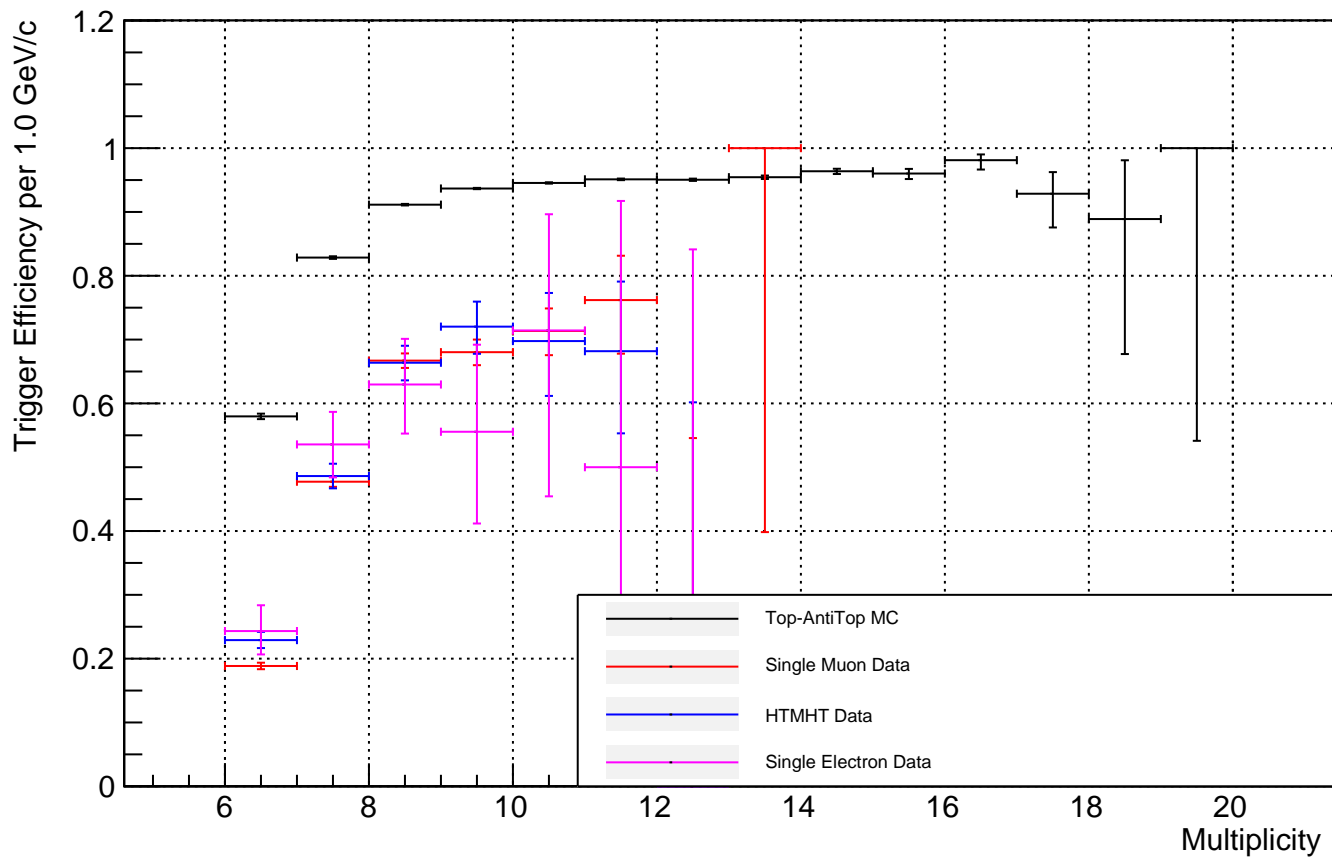
HTMHT Data

Single Muon Data

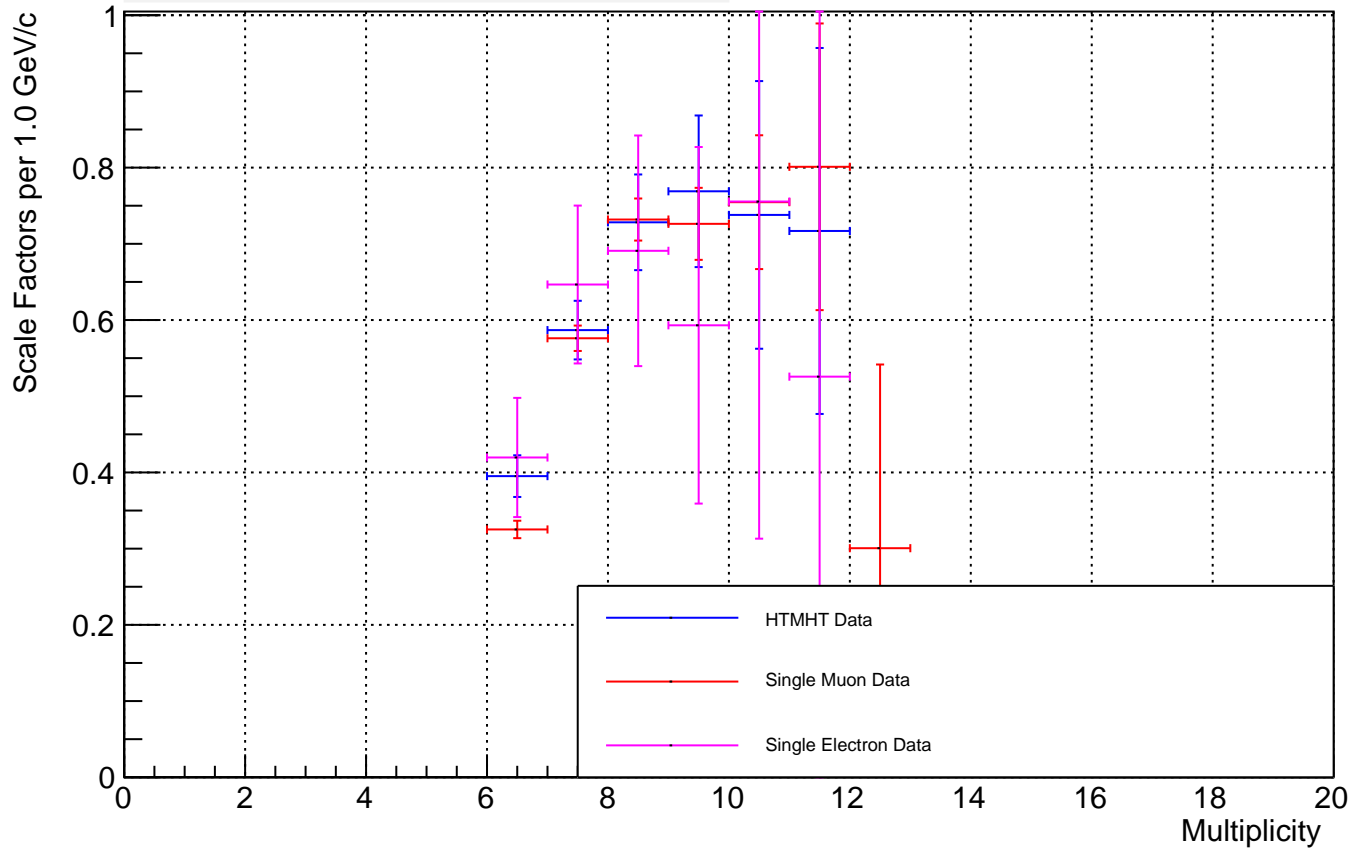
Single Electron Data

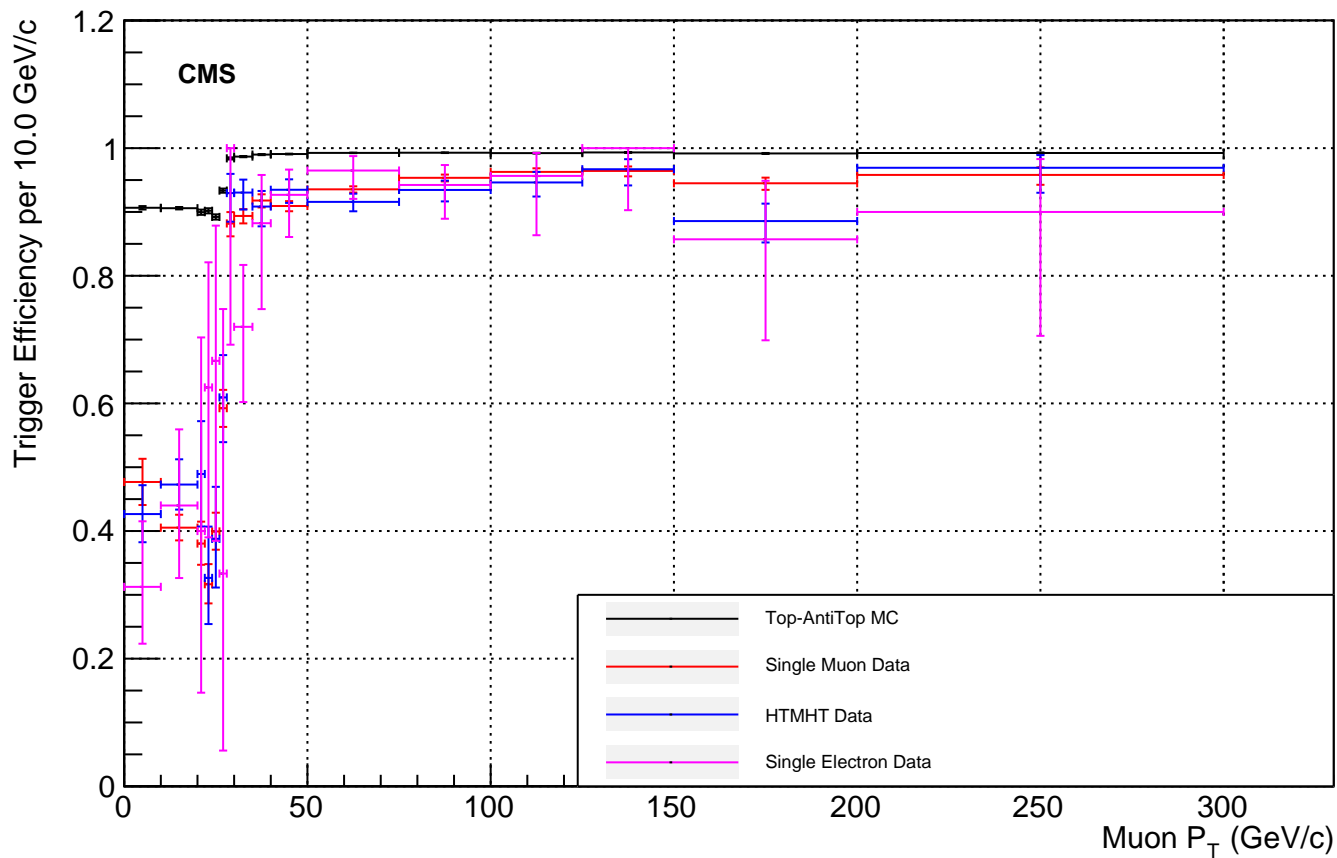
Muon P_T (GeV/c)

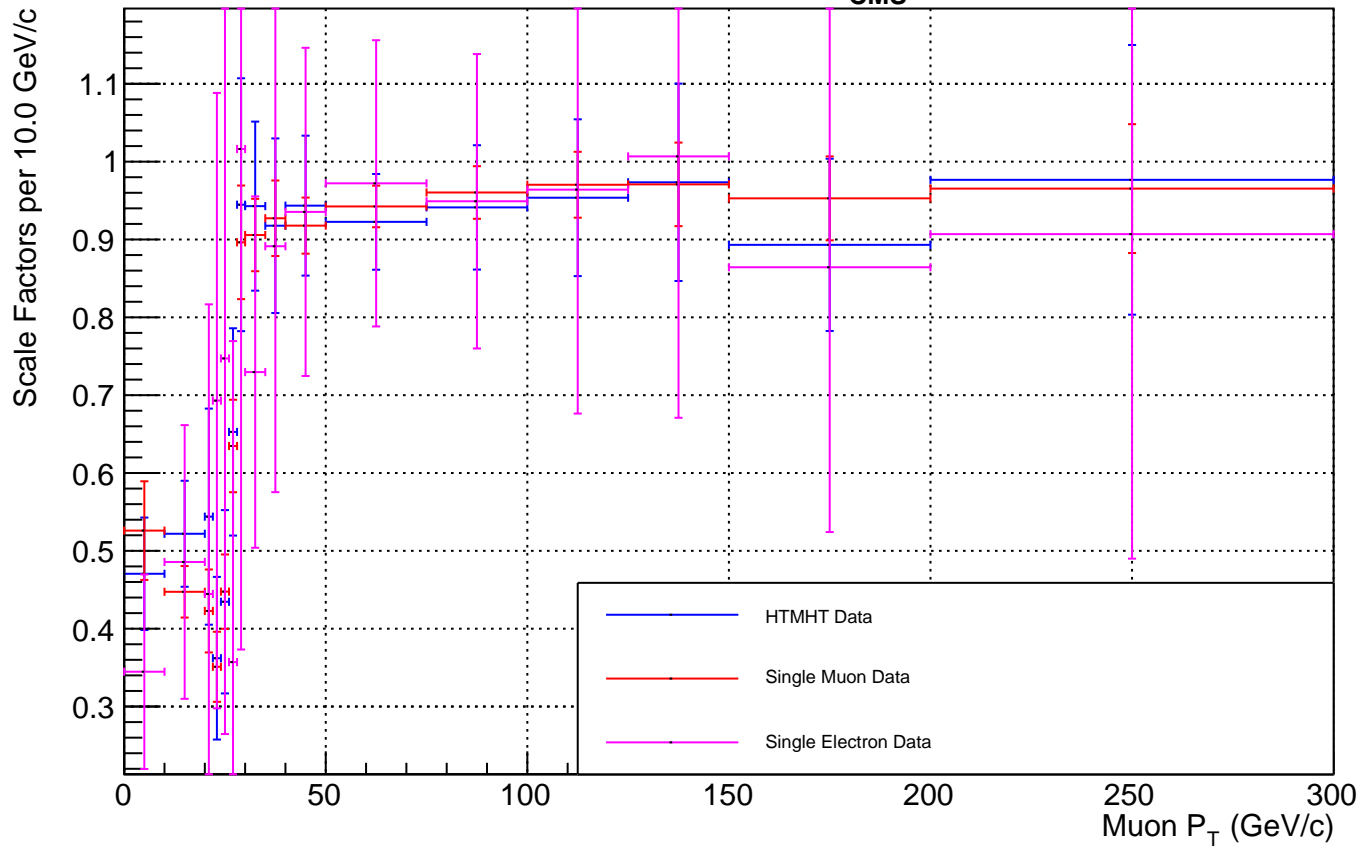




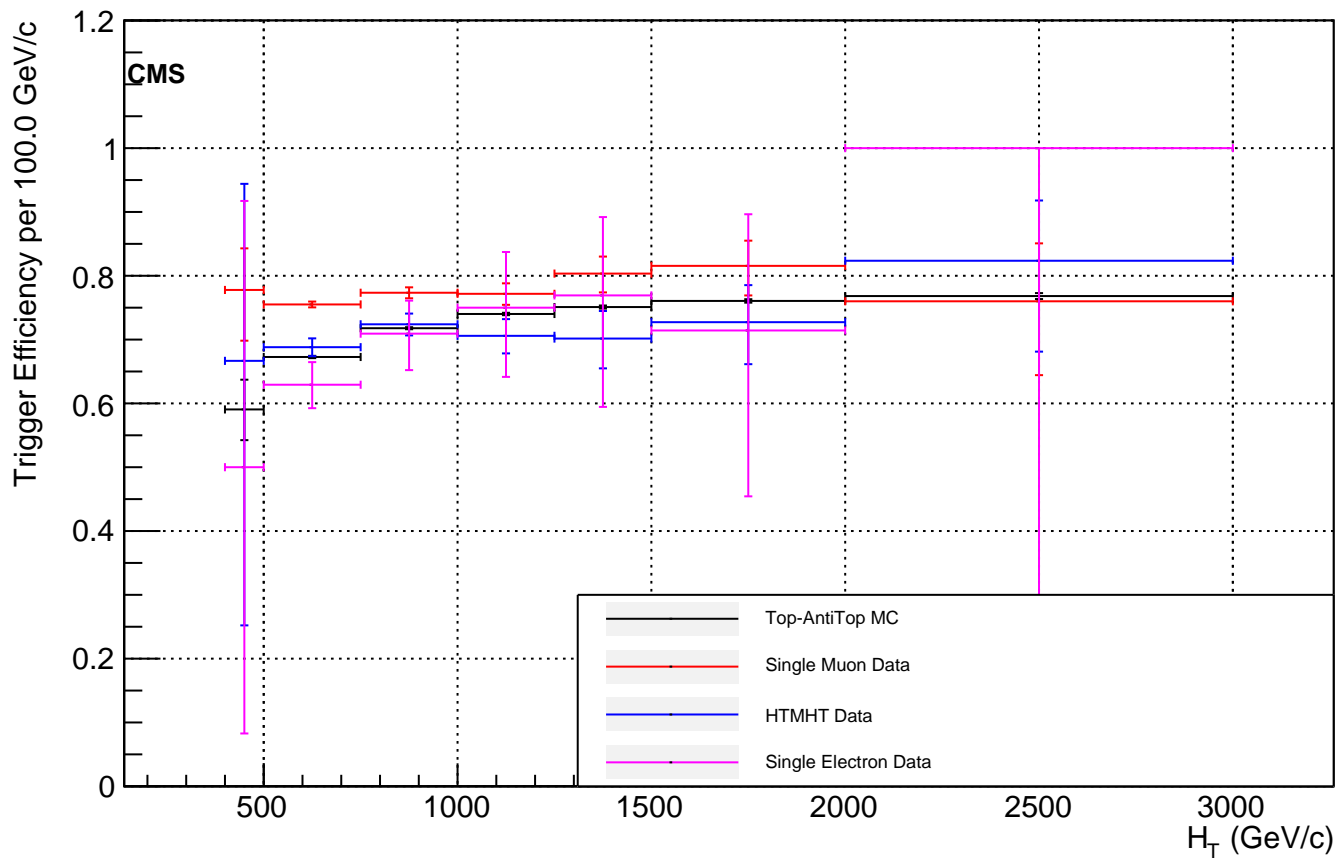
PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2





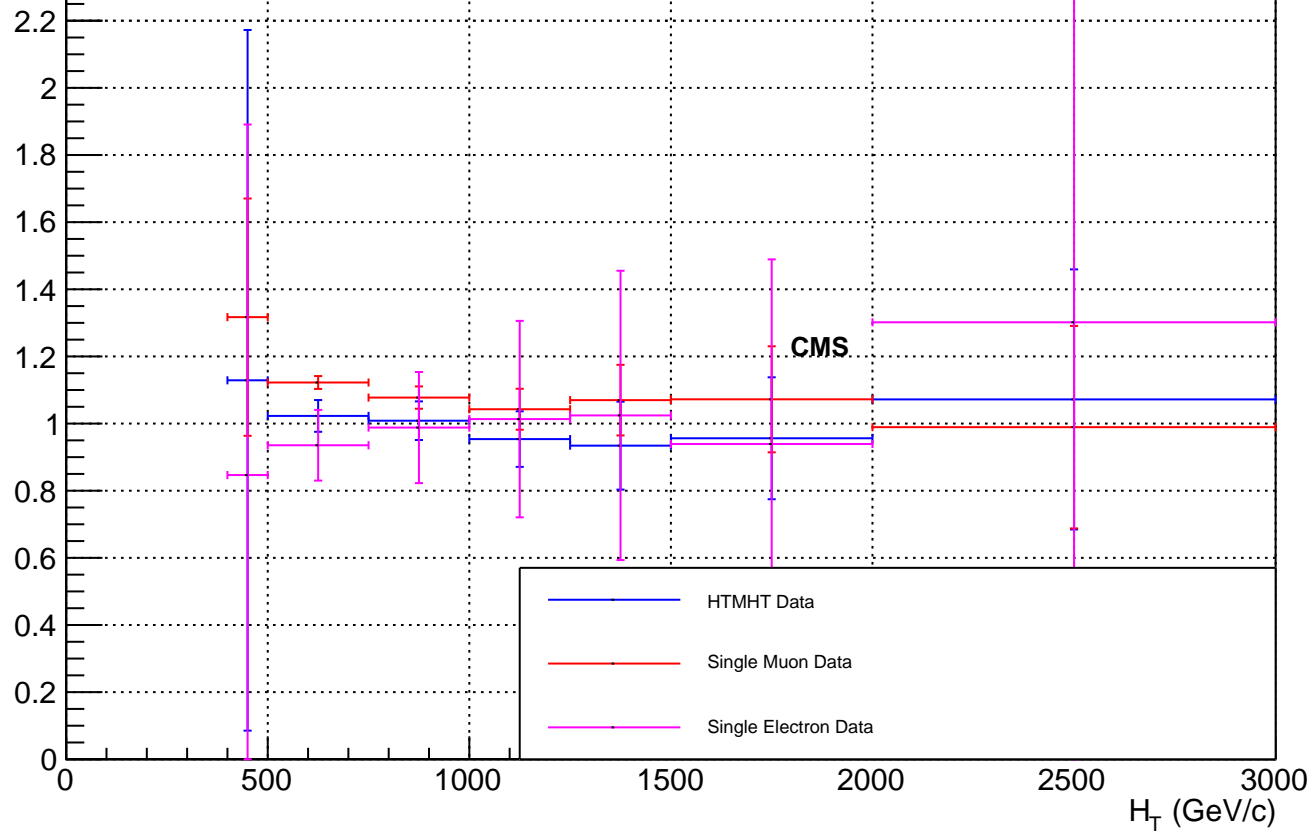


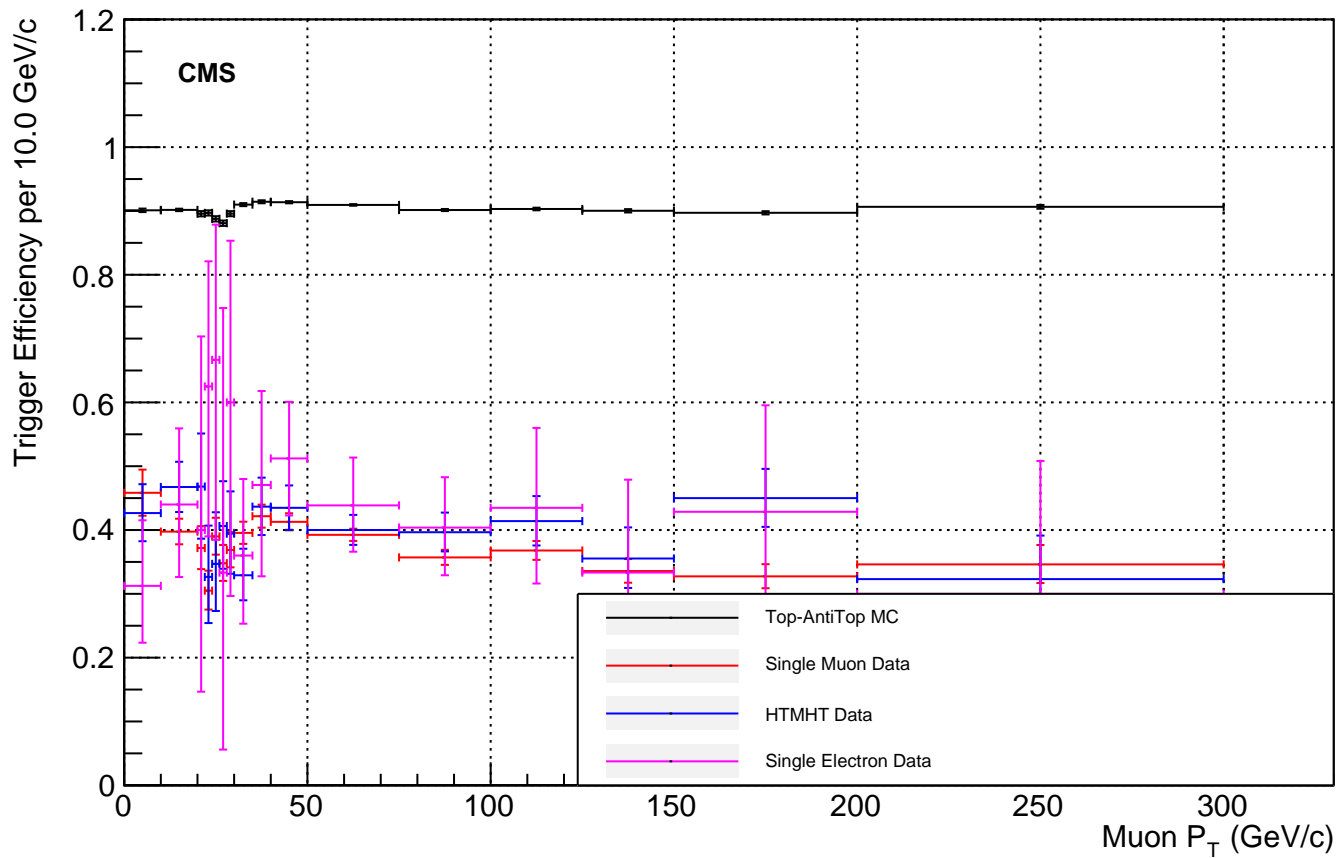
IsoMu27



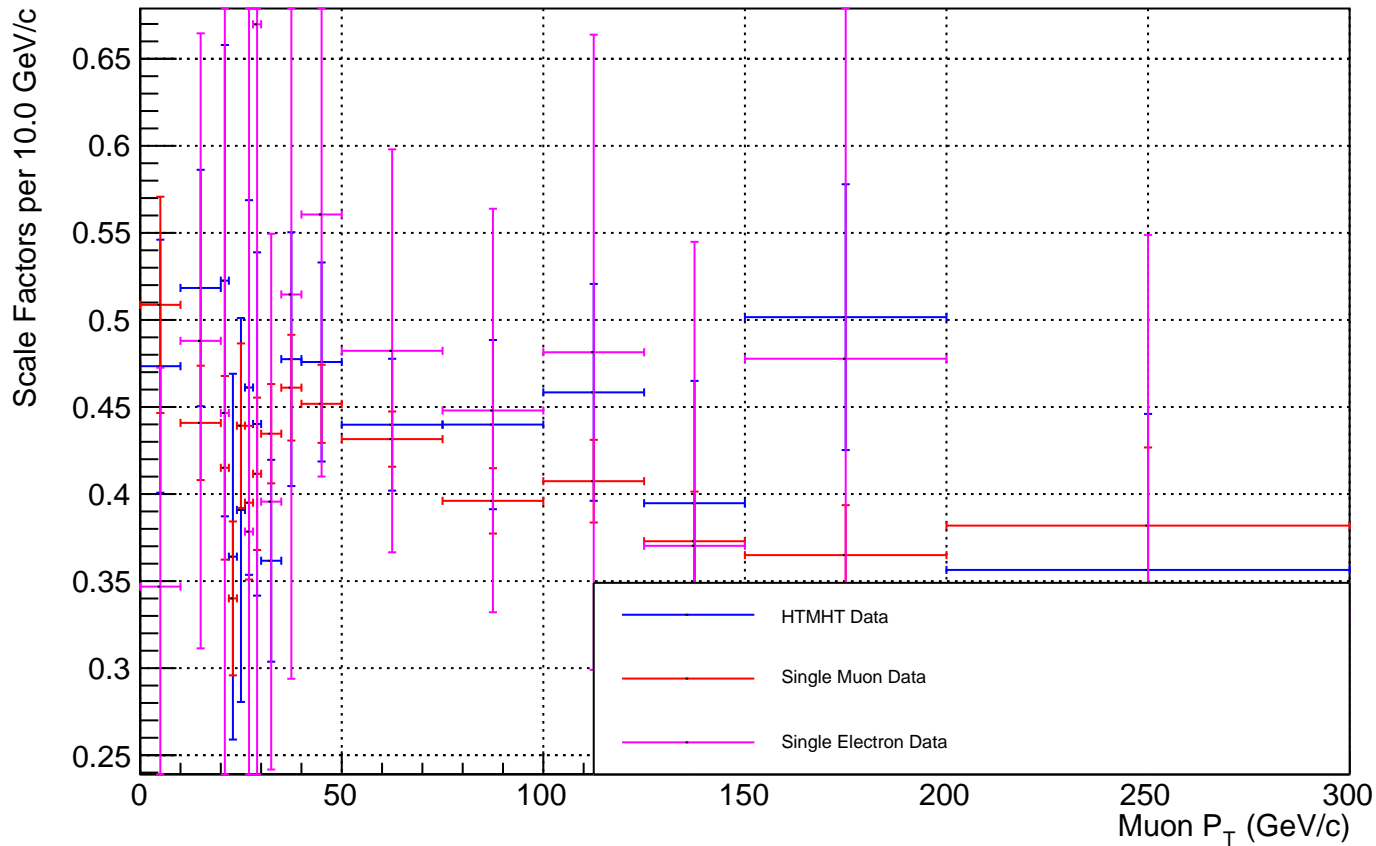
IsoMu27

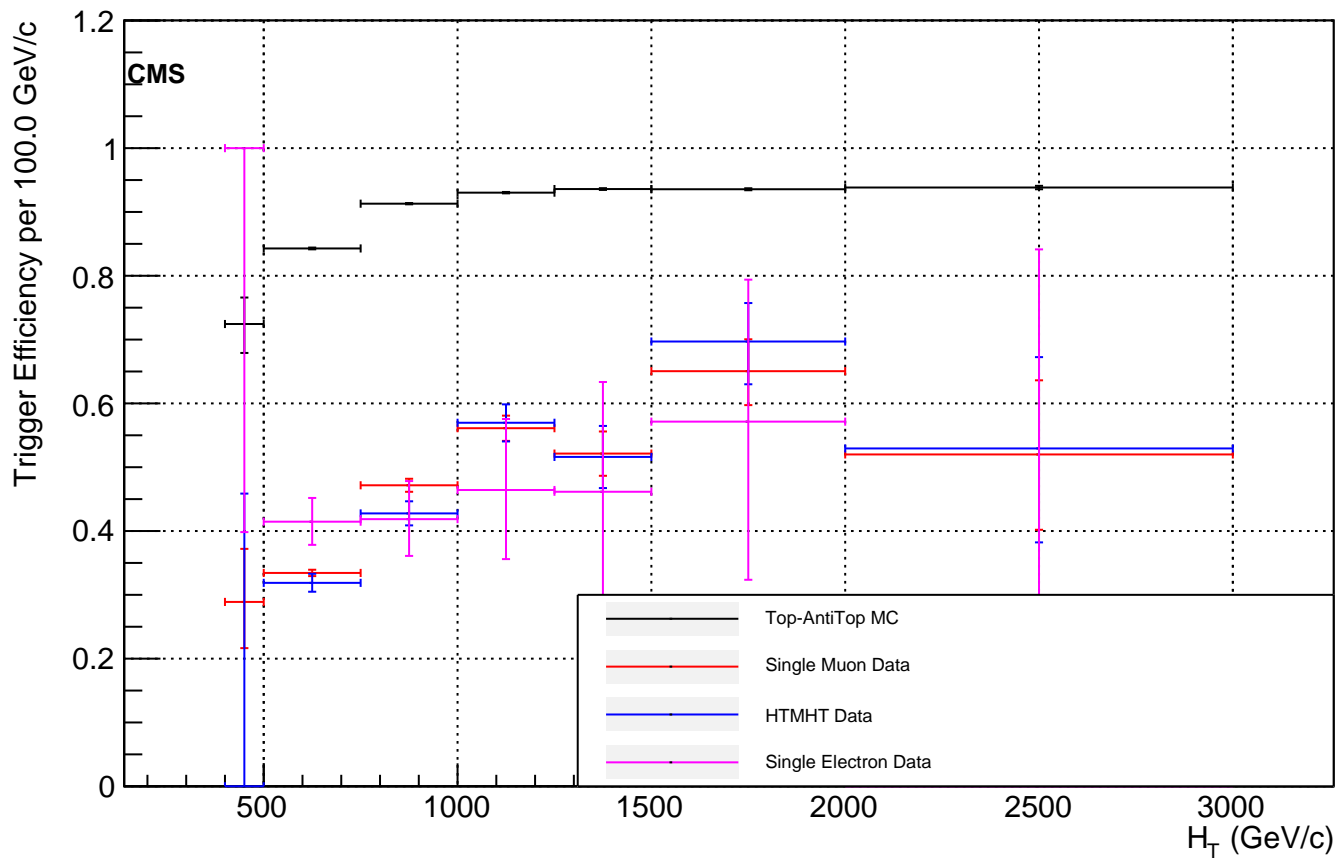
Scale Factors per 100.0 GeV/c



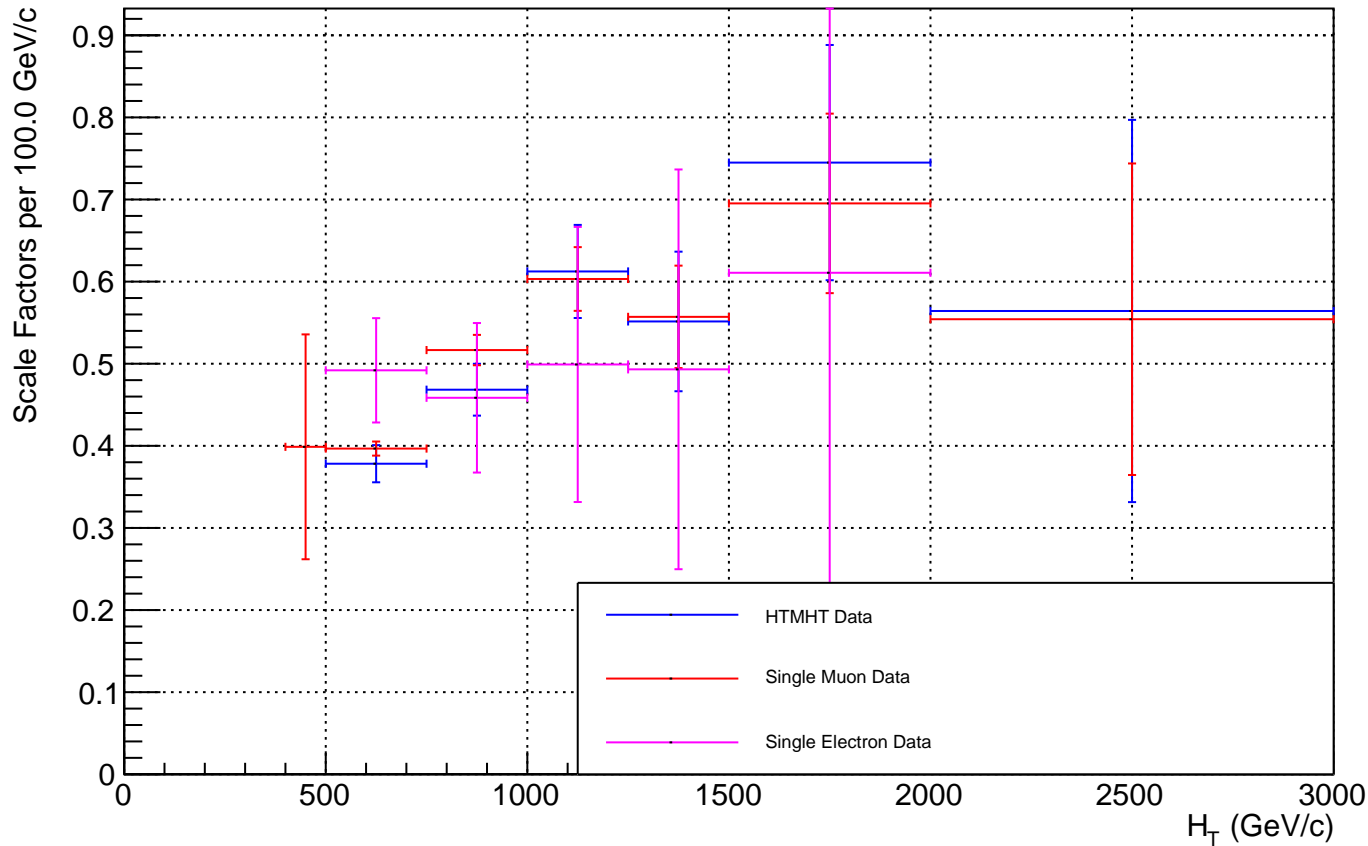


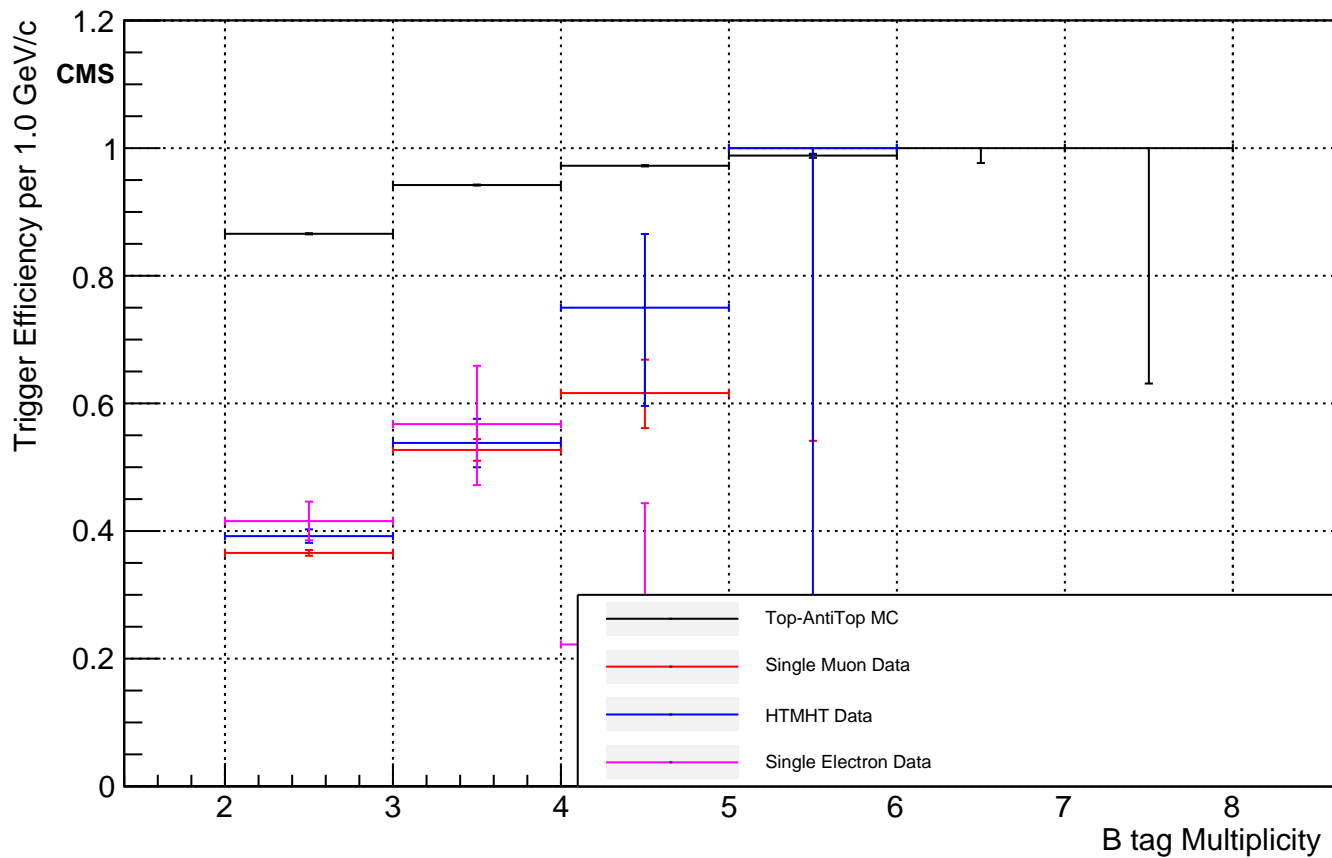
PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2





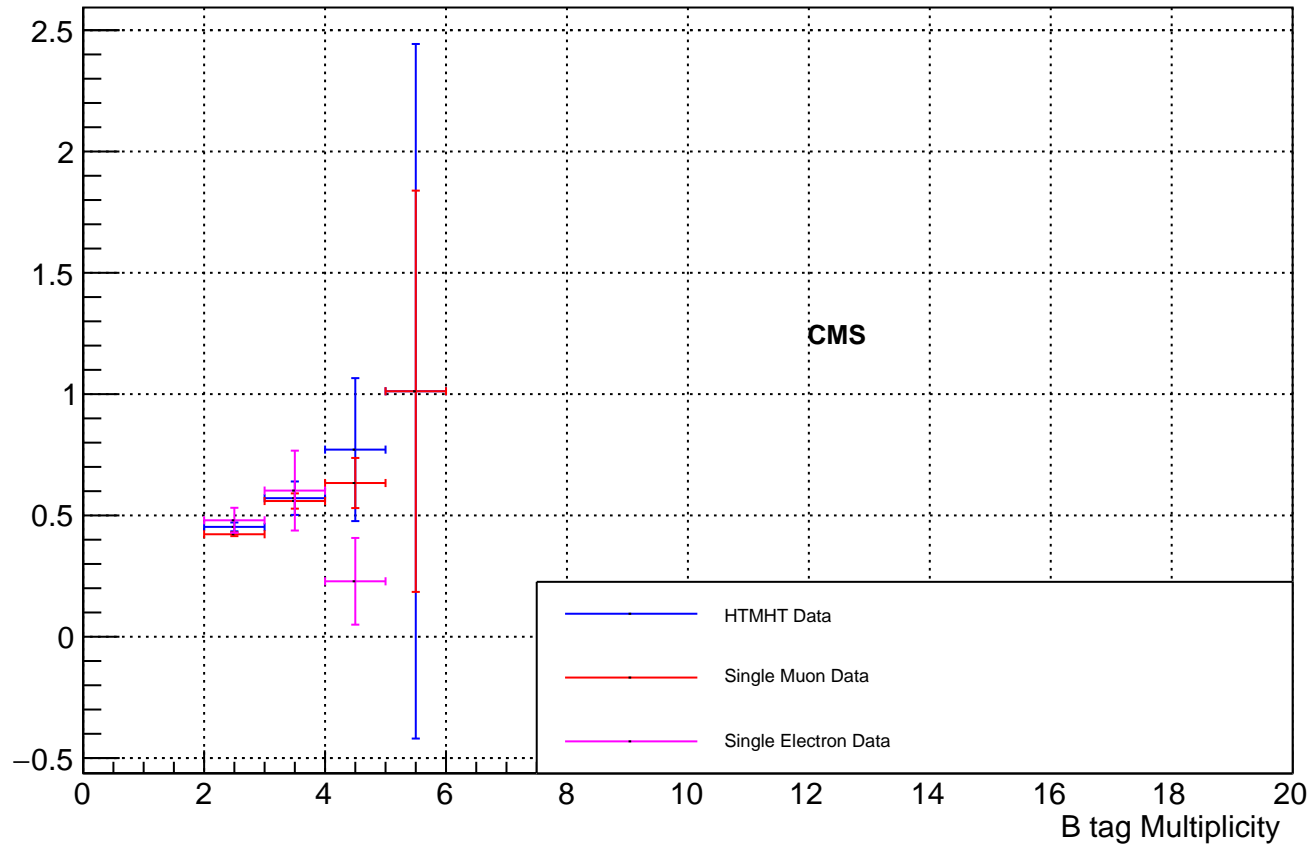
PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

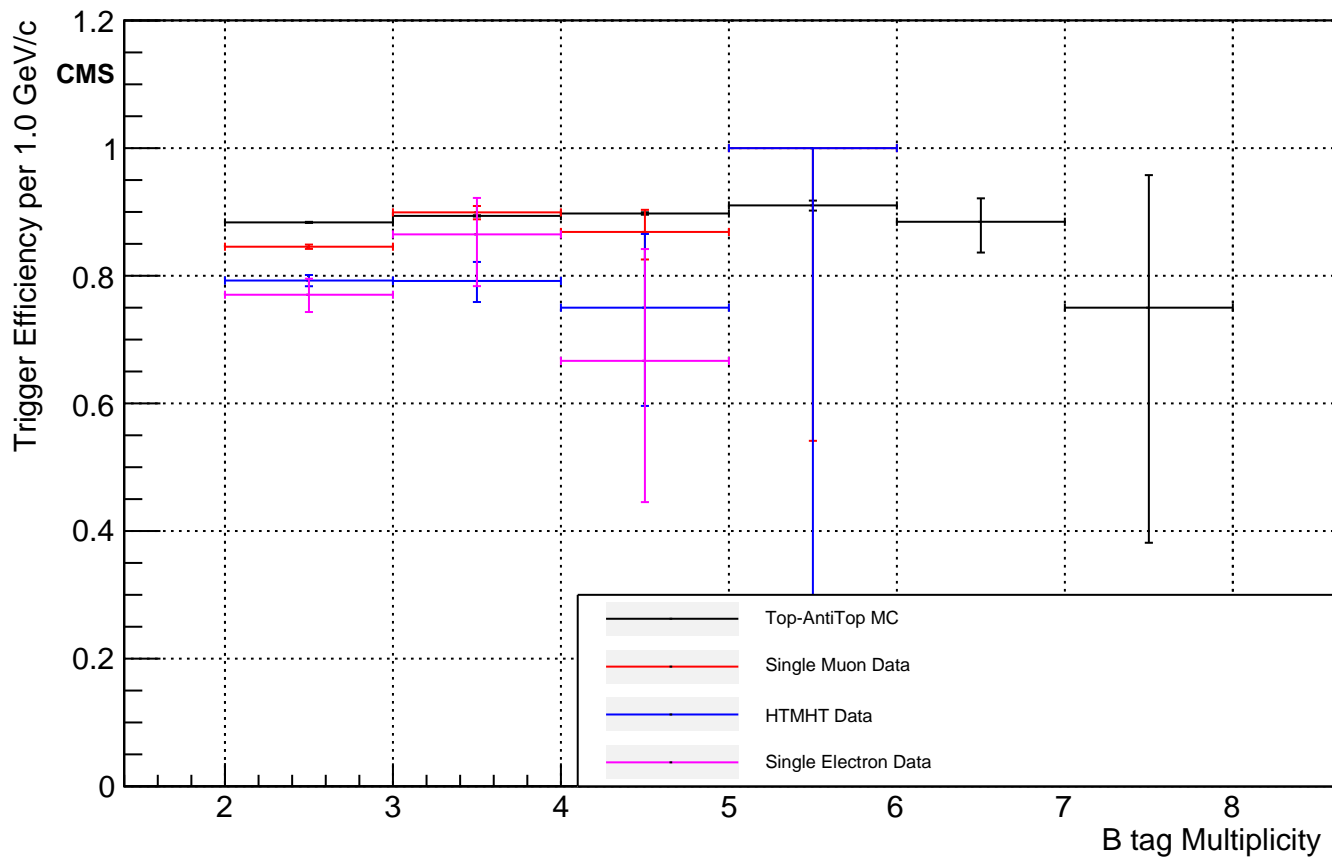




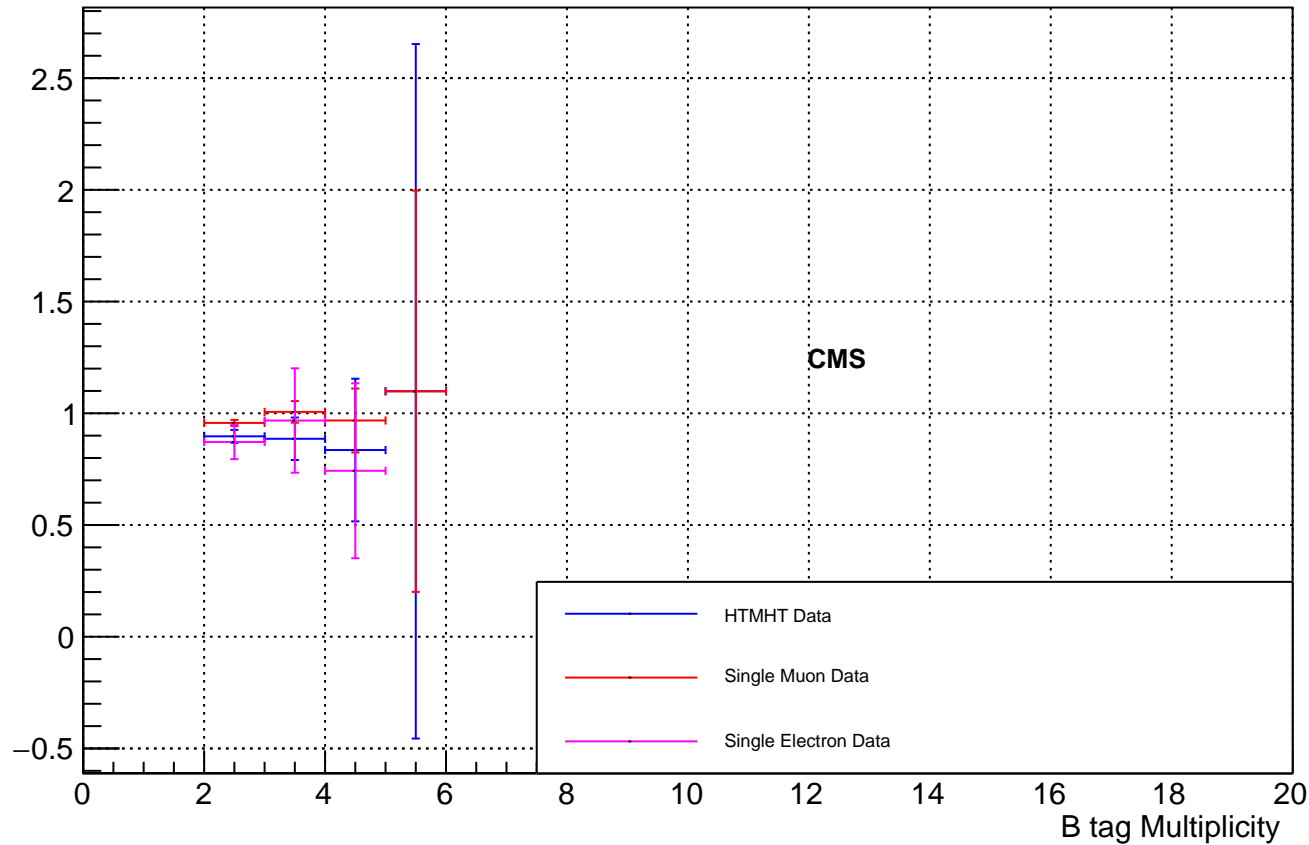
PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

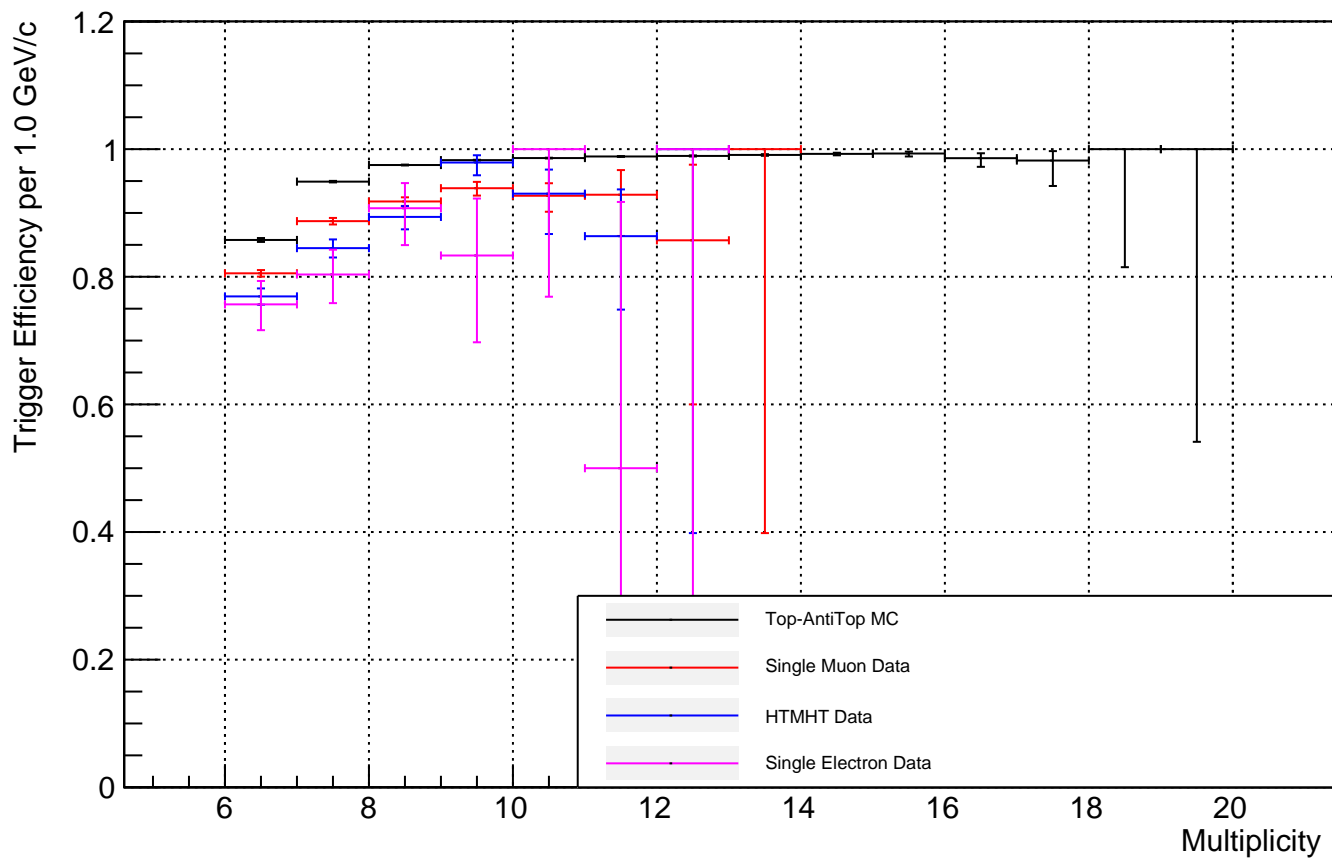
Scale Factors per 1.0 GeV/c



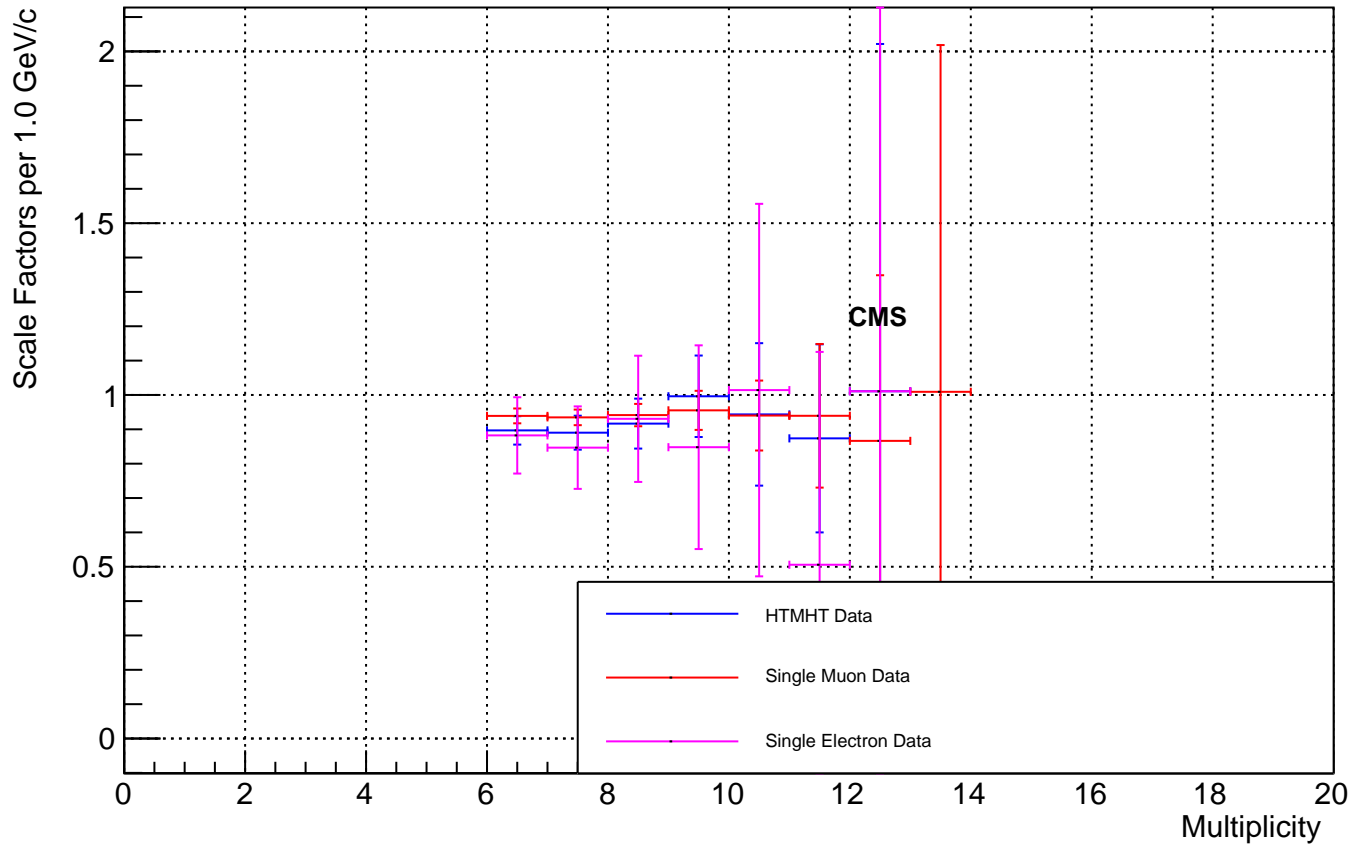


Scale Factors per 1.0 GeV/c

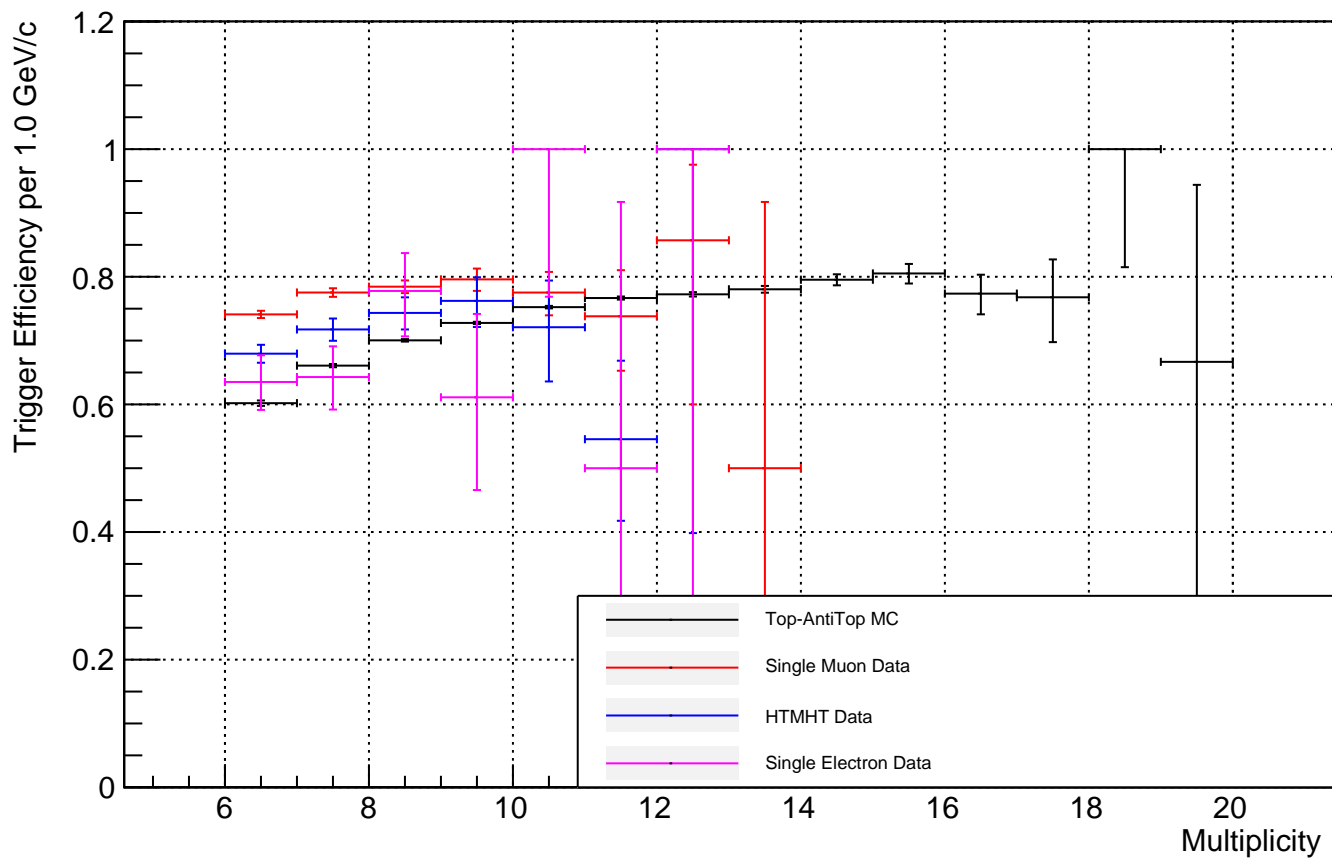




IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



IsoMu27



IsoMu27

Scale Factors per 1.0 GeV/c

2.5

2

1.5

1

0.5

0

0

2

4

6

8

10

12

14

16

18

20

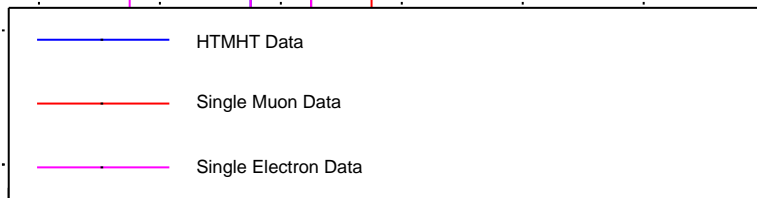
Multiplicity

HTMHT Data

Single Muon Data

Single Electron Data

CMS



IsoMu27

Scale Factors per 1.0 GeV/c

2.5

2

1.5

1

0.5

0

0

2

4

6

8

10

12

14

16

18

20

Multiplicity

HTMHT Data

Single Muon Data

Single Electron Data

CMS

