

On-line (pre-)selection Requisites for:

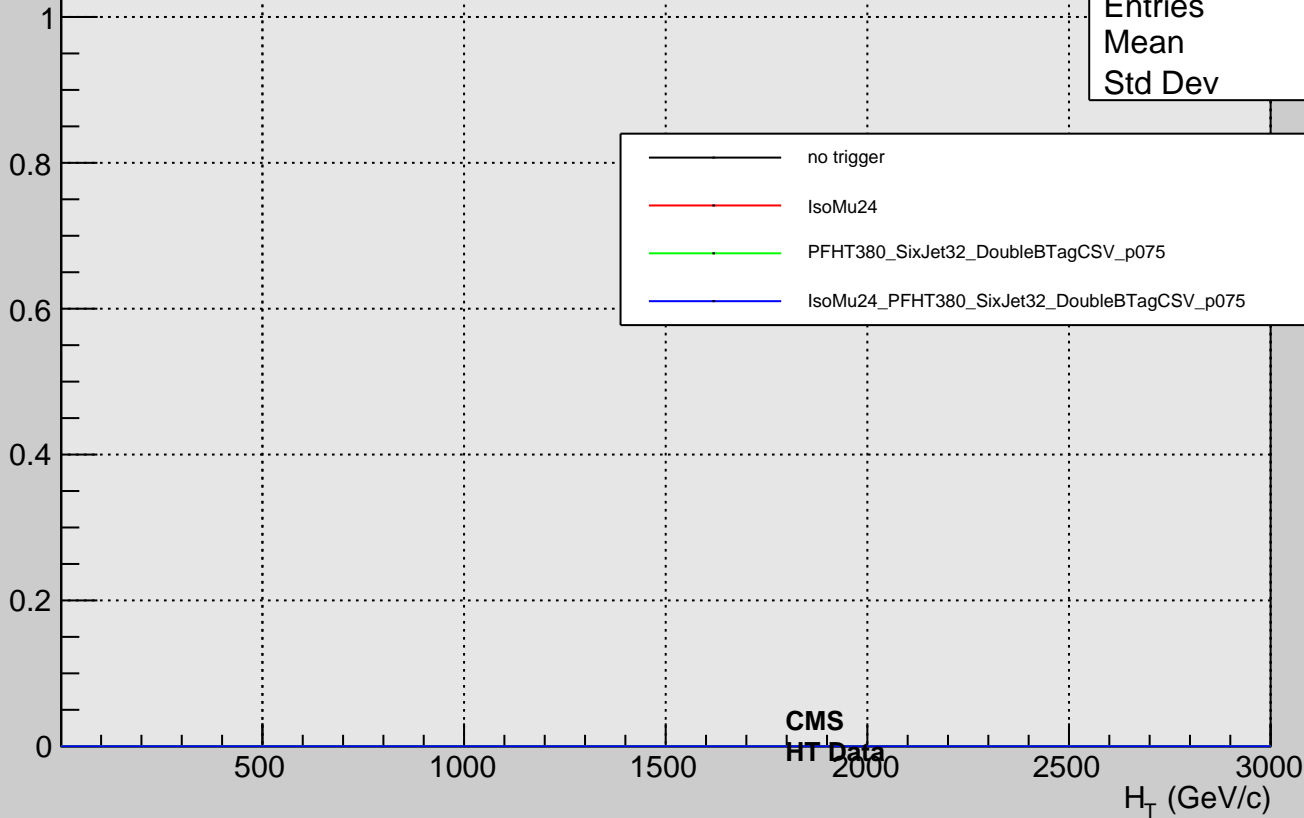
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

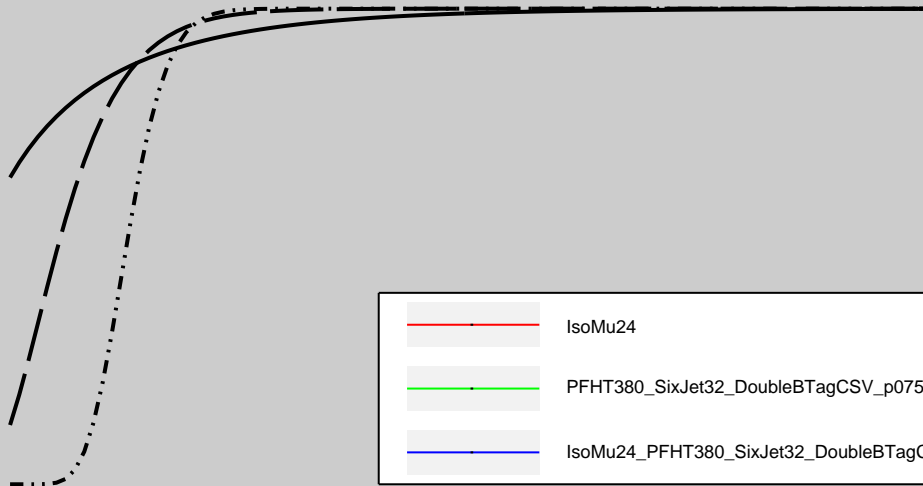
- **Jets:** $\text{jetId} > 2$, $p_{\text{T}} > 30$ and $|\eta| < 2.4$ (for at least 6 jets)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId, $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

Number of Events per 10 GeV/c

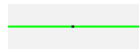


CMS

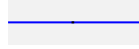
HT Data



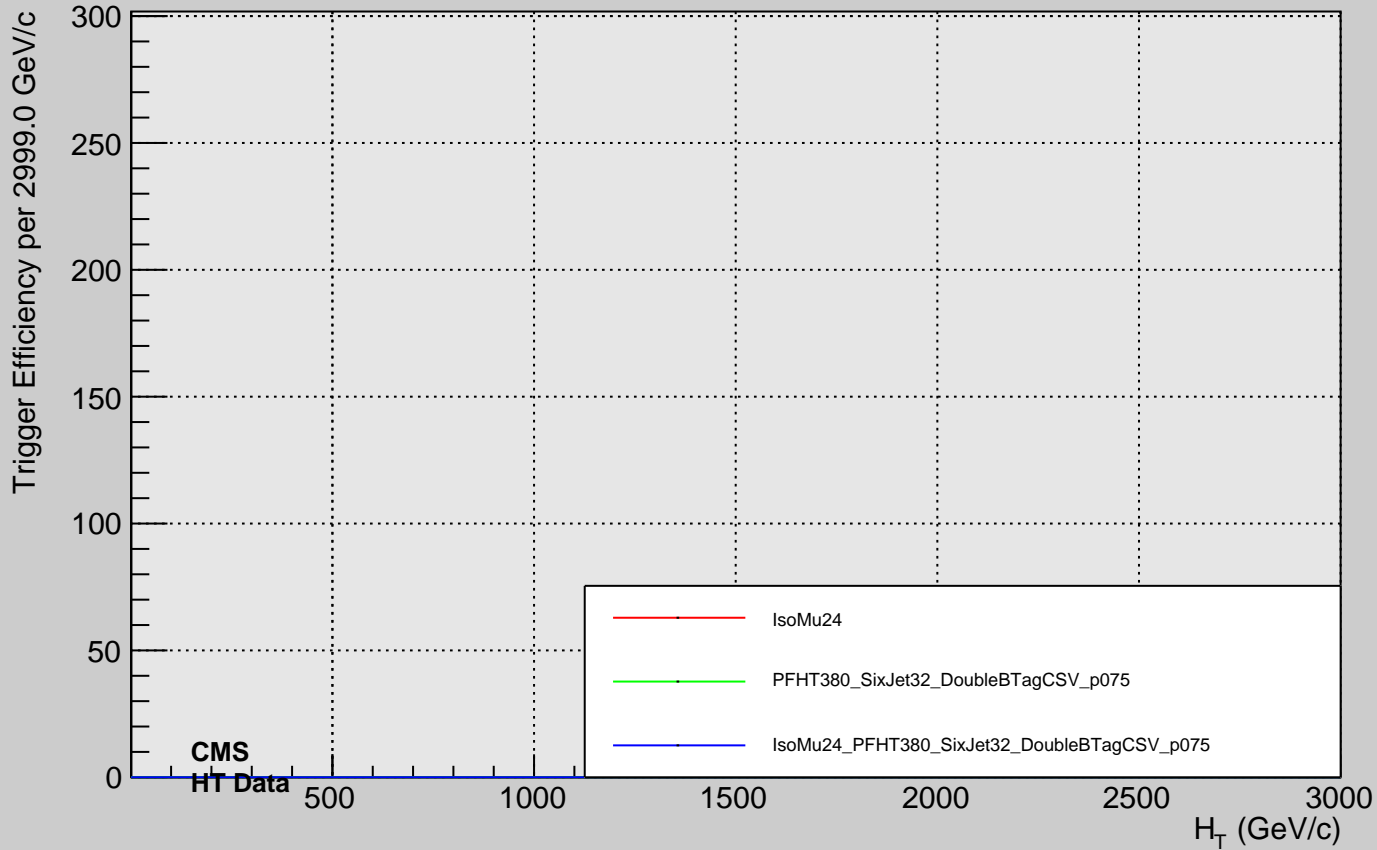
IsoMu24



PFHT380_SixJet32_DoubleBTagCSV_p075



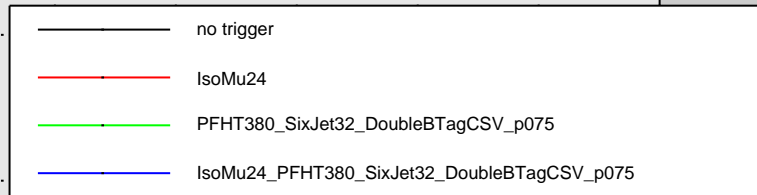
IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075



Number of Events per Number of Jets

1
0.8
0.6
0.4
0.2
0

h_jetMult_notrigger	
Entries	0
Mean	0
Std Dev	0



CMS
HT Data

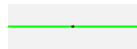
Number of Jets

CMS

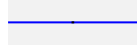
HT Data



IsoMu24

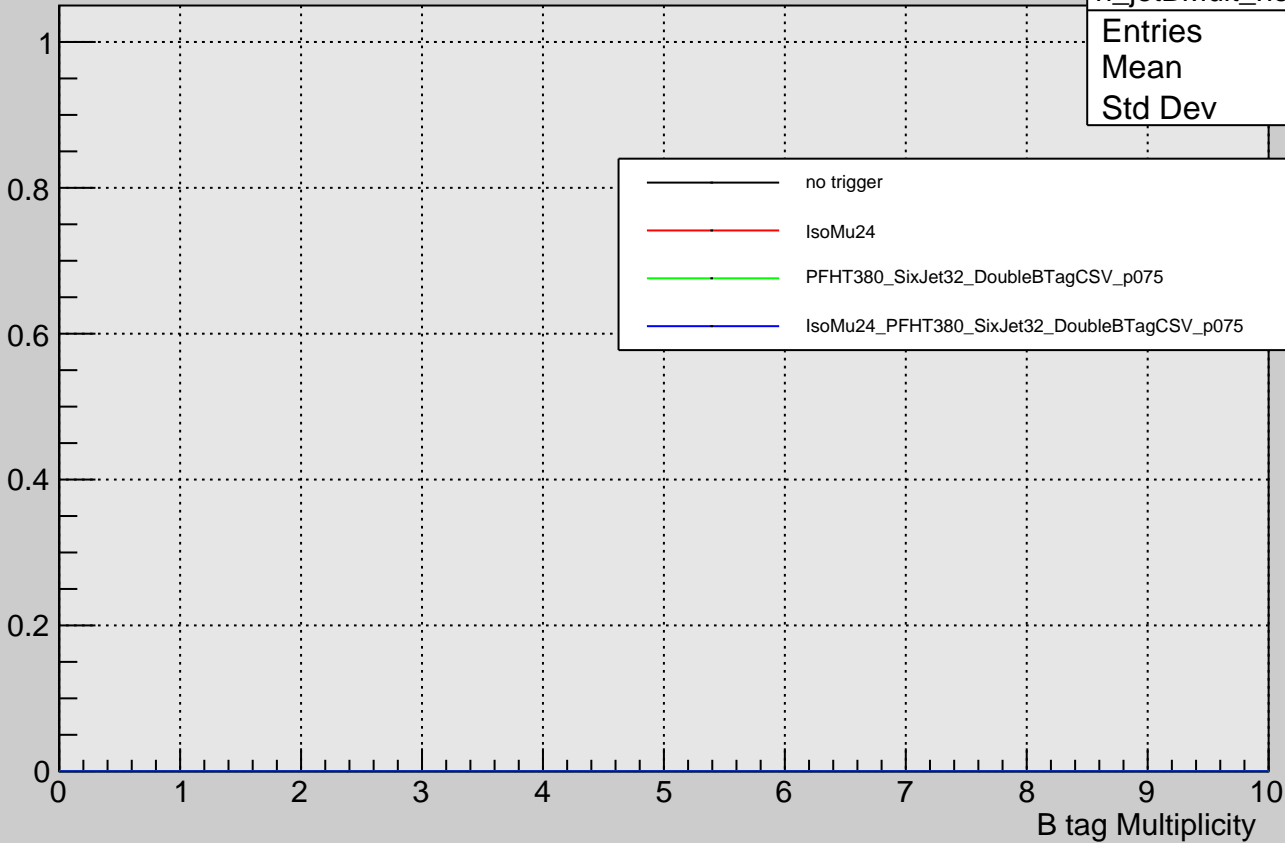


PFHT380_SixJet32_DoubleBTagCSV_p075



IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075

Number of Events per Number of Jets



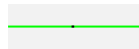
h_jetBMult_notrigger	
Entries	0
Mean	0
Std Dev	0

CMS

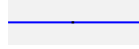
HT Data



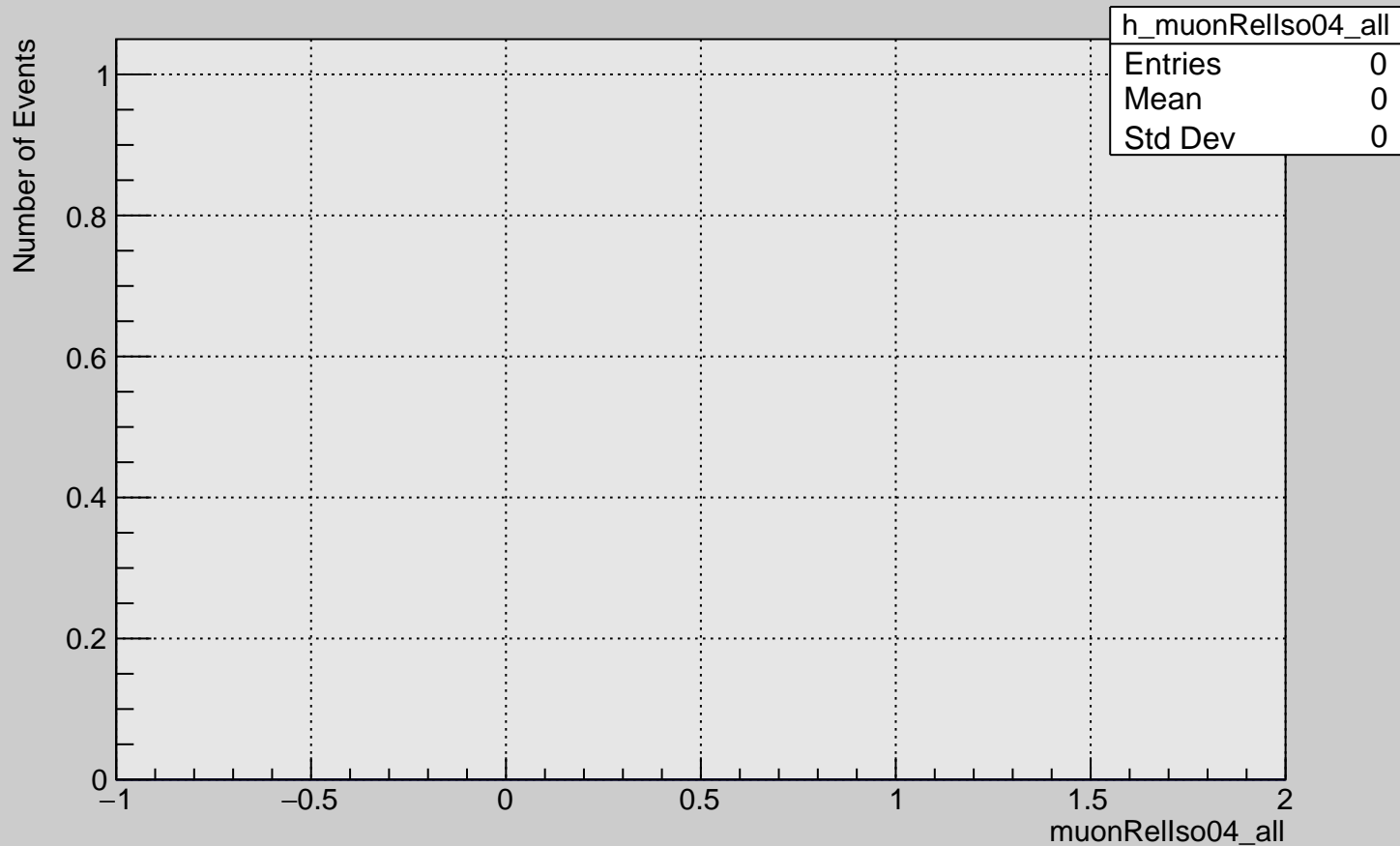
IsoMu24



PFHT380_SixJet32_DoubleBTagCSV_p075



IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075



Number of Events per 1 GeV/c

h_muonPt_notrigger

Entries 0

Mean 0

Std Dev 0

1

0.8

0.6

0.4

0.2

0

no trigger

no trigger

IsoMu24

IsoMu24

PFHT380_SixJet32_DoubleBTagCSV_p075

PFHT380_SixJet32_DoubleBTagCSV_p075

IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075

IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075

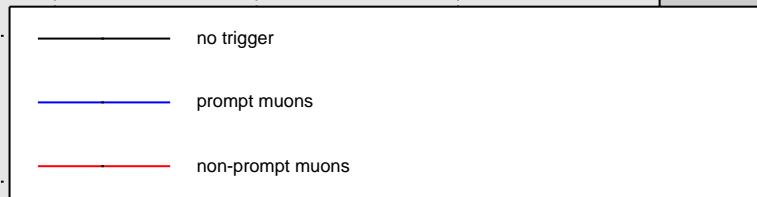
CMS

HT Data

Muon P_T (GeV/c)

Number of Events per 1 GeV/c

h_muonPt_notrigger	
Entries	0
Mean	0
Std Dev	0

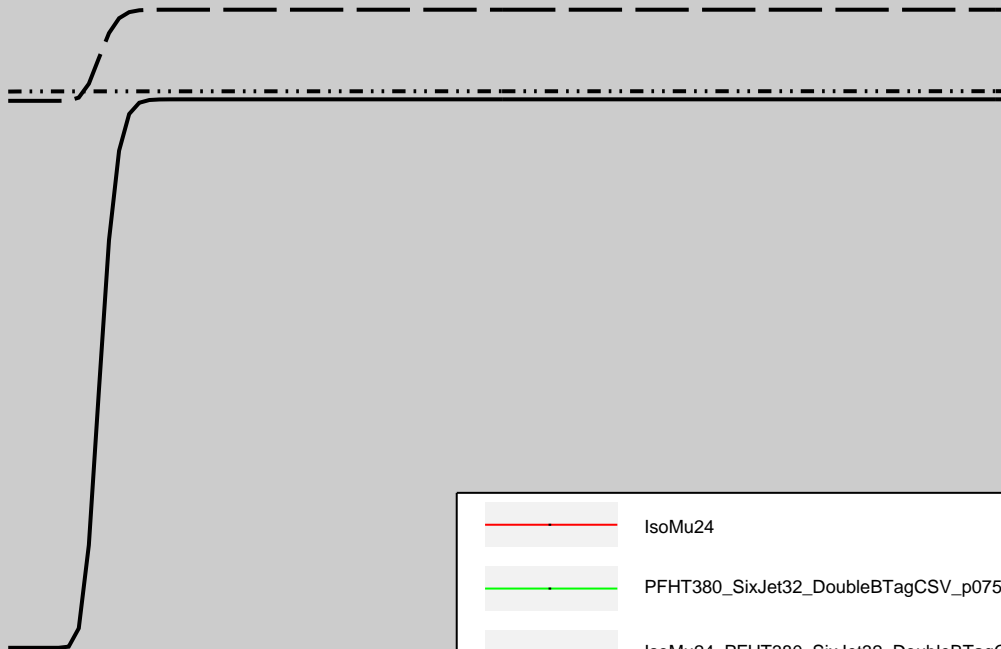


CMS
HT Data

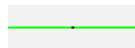
Muon P_T (GeV/c)

CMS

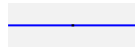
HT Data



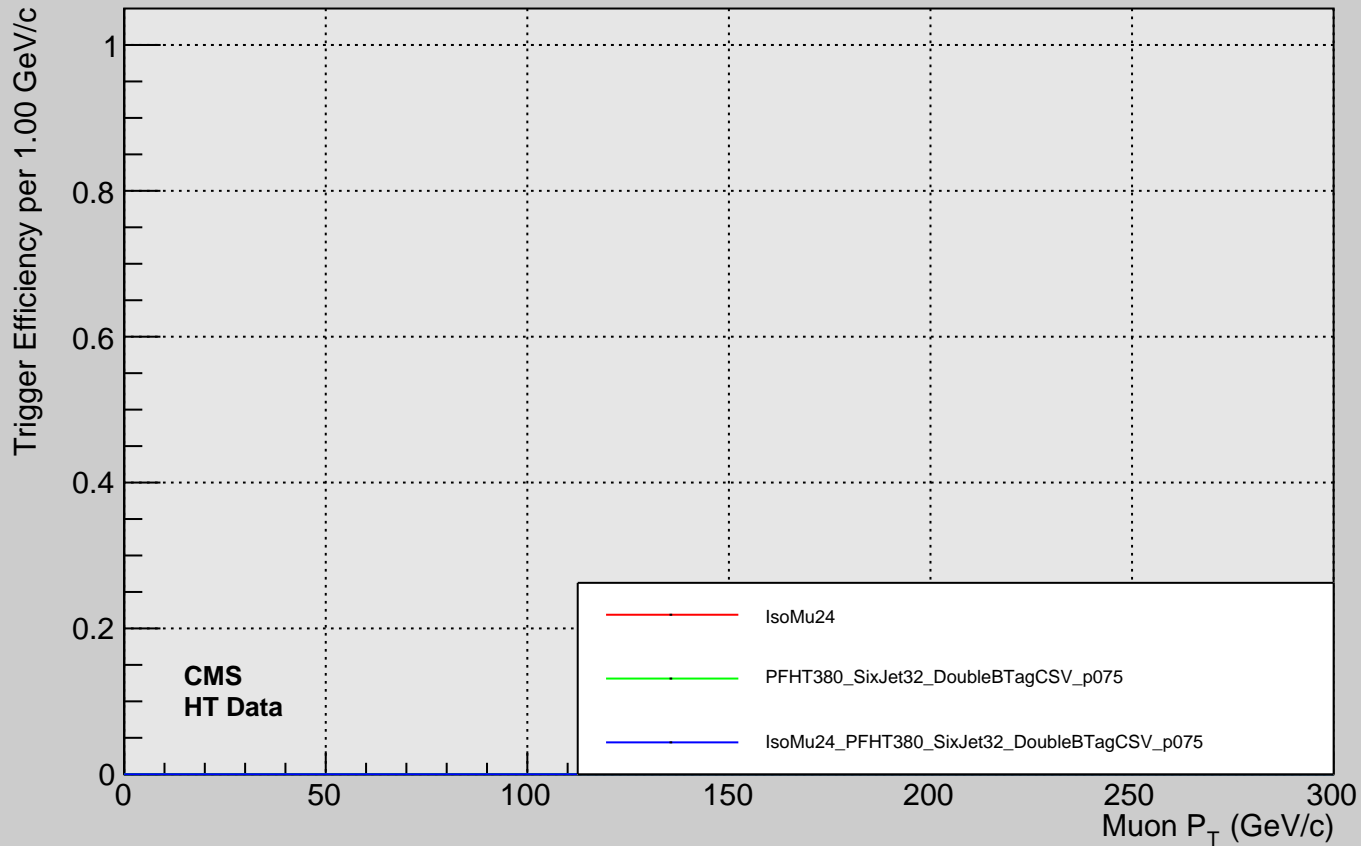
IsoMu24



PFHT380_SixJet32_DoubleBTagCSV_p075

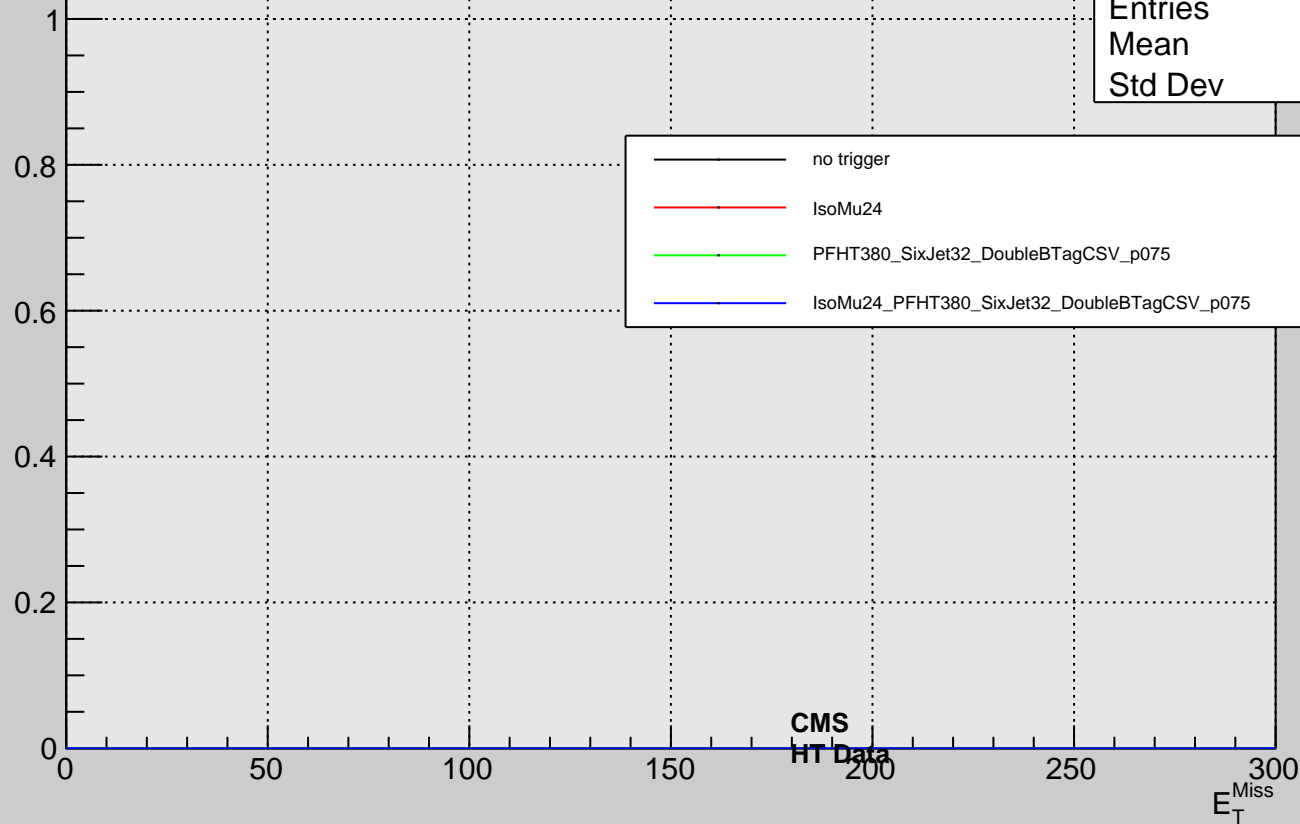
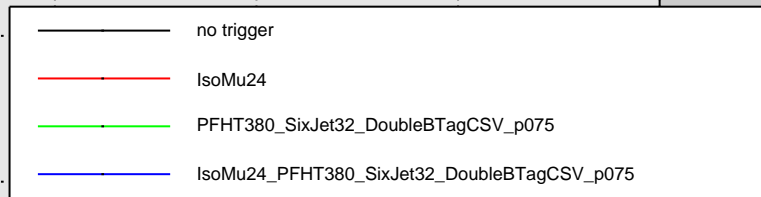


IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075



Number of Events per 1 GeV/c

h_metPt_notrigger	
Entries	0
Mean	0
Std Dev	0

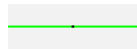


CMS

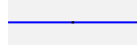
HT Data



IsoMu24

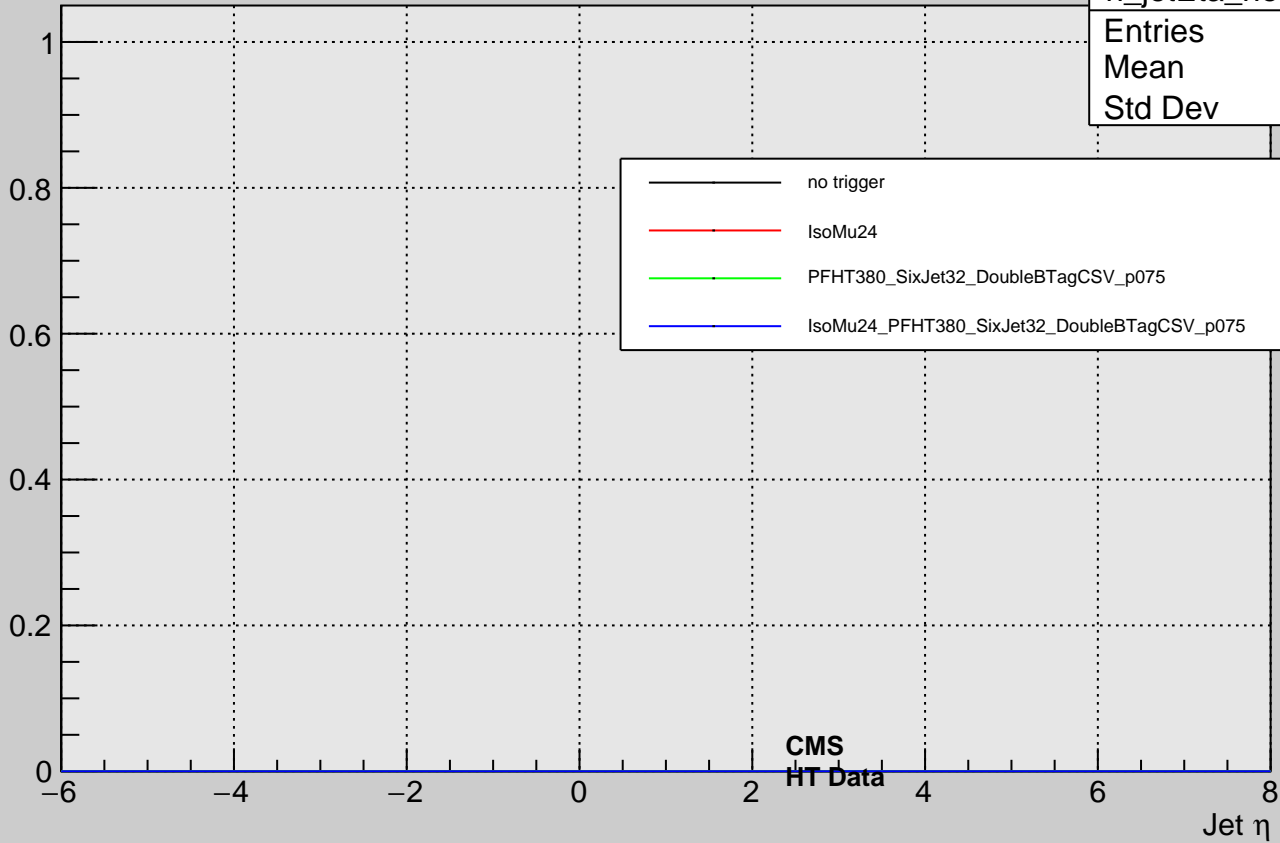


PFHT380_SixJet32_DoubleBTagCSV_p075



IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075

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



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

1
0.8
0.6
0.4
0.2
0

h_muonEta_notrigger	
Entries	0
Mean	0
Std Dev	0

- no trigger
- IsoMu24
- PFHT380_SixJet32_DoubleBTagCSV_p075
- IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075

CMS
HT Data

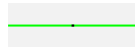
Muon η

CMS

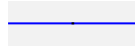
HT Data



IsoMu24



PFHT380_SixJet32_DoubleBTagCSV_p075



IsoMu24_PFHT380_SixJet32_DoubleBTagCSV_p075

