

On-line (pre-)selection Requisites for:

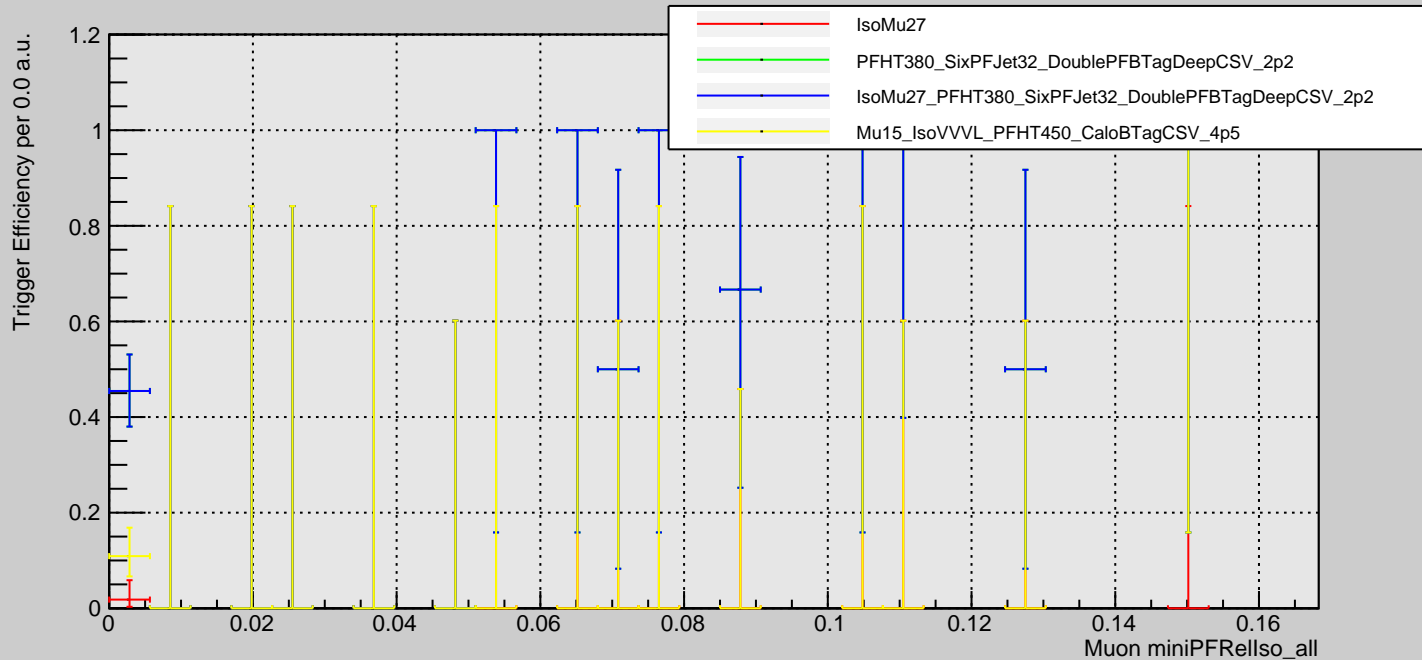
- **Jets:** number > 5
- **Muons plus Electrons:** number > 0

Event Limit: None (see last page)

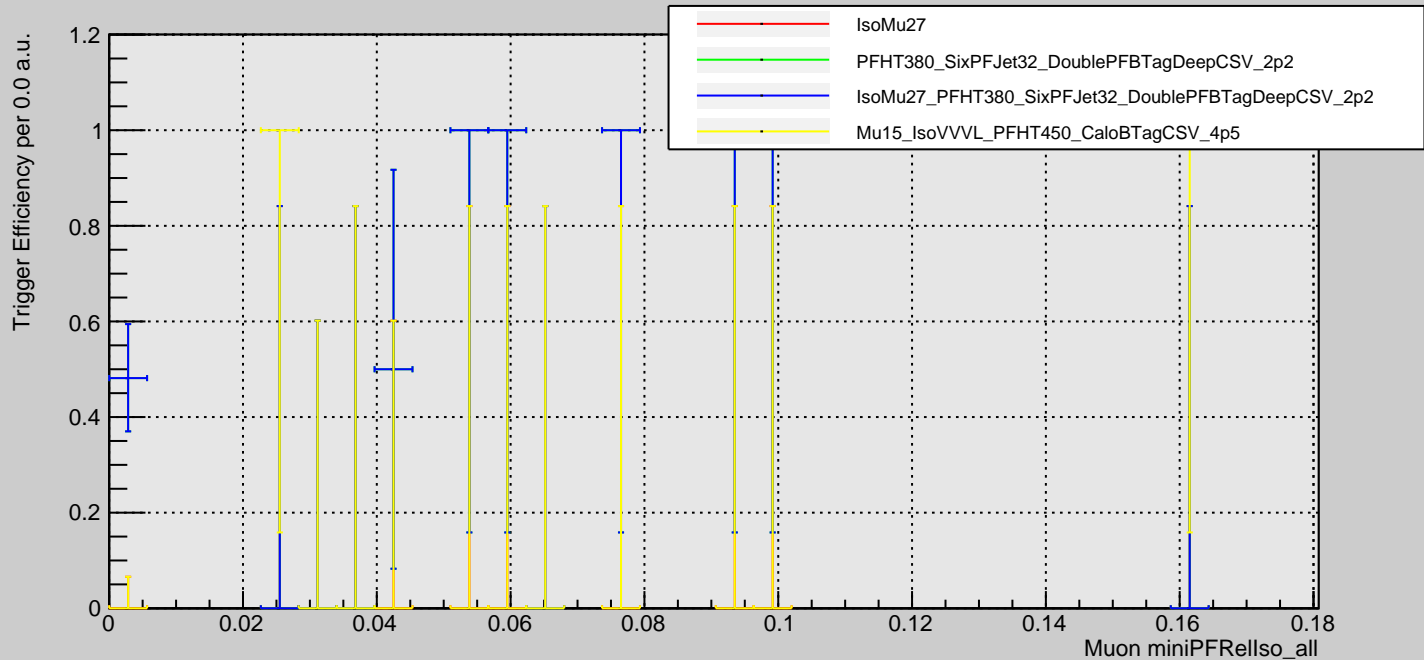
Off-line (post-)selection Requisites for:

- **Jets:** $\text{jetId} > 2$, $p_T > 30$ 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)

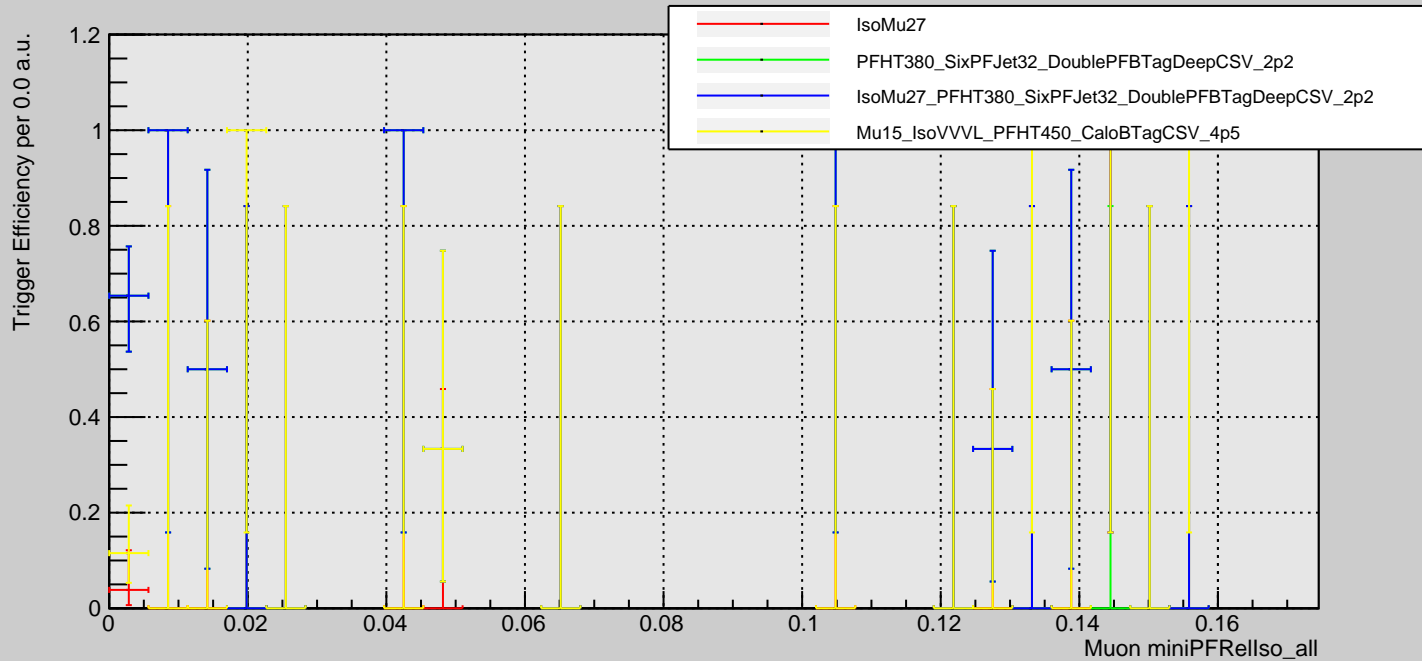
Muon Pt = 5



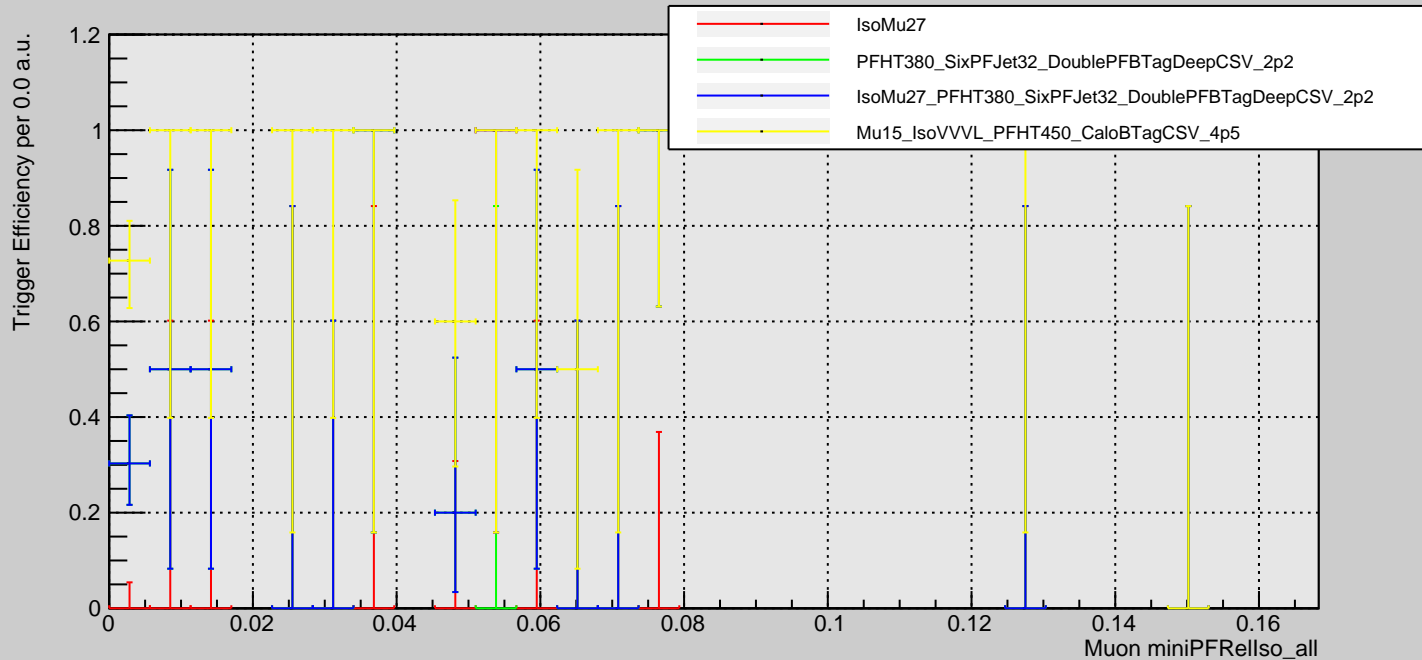
Muon Pt = 10



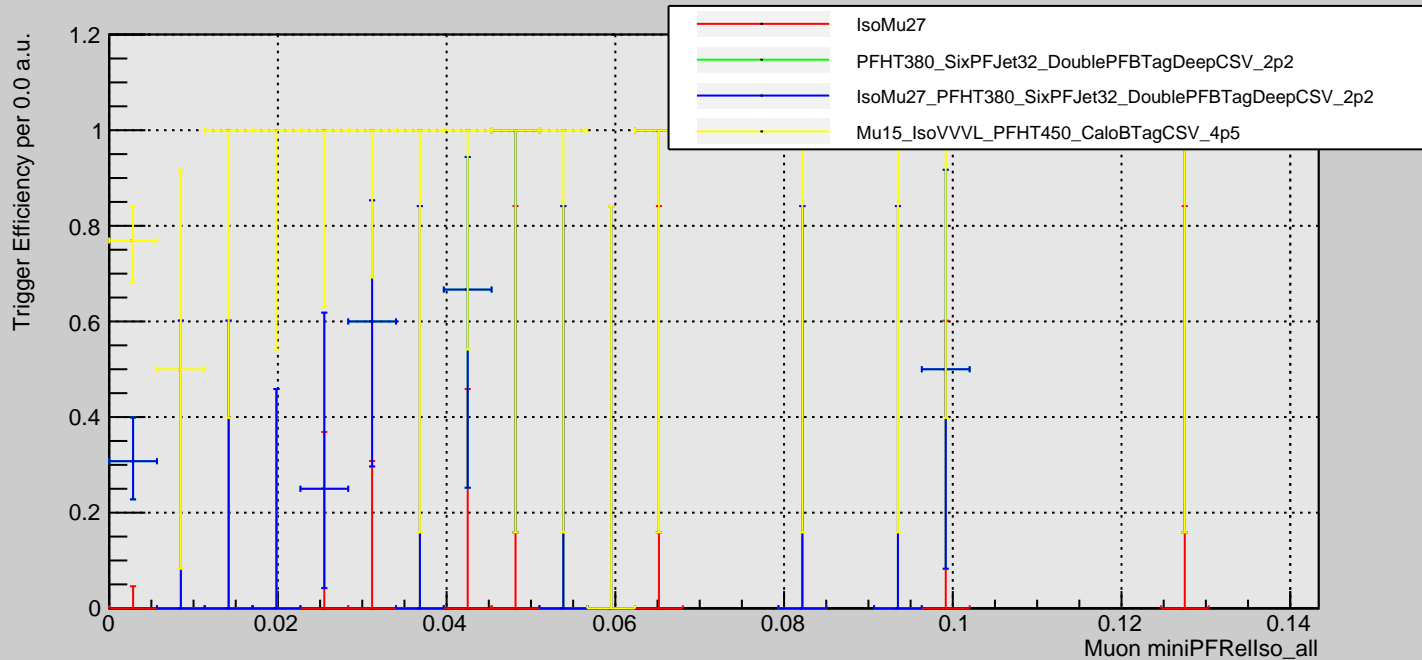
Muon Pt = 15



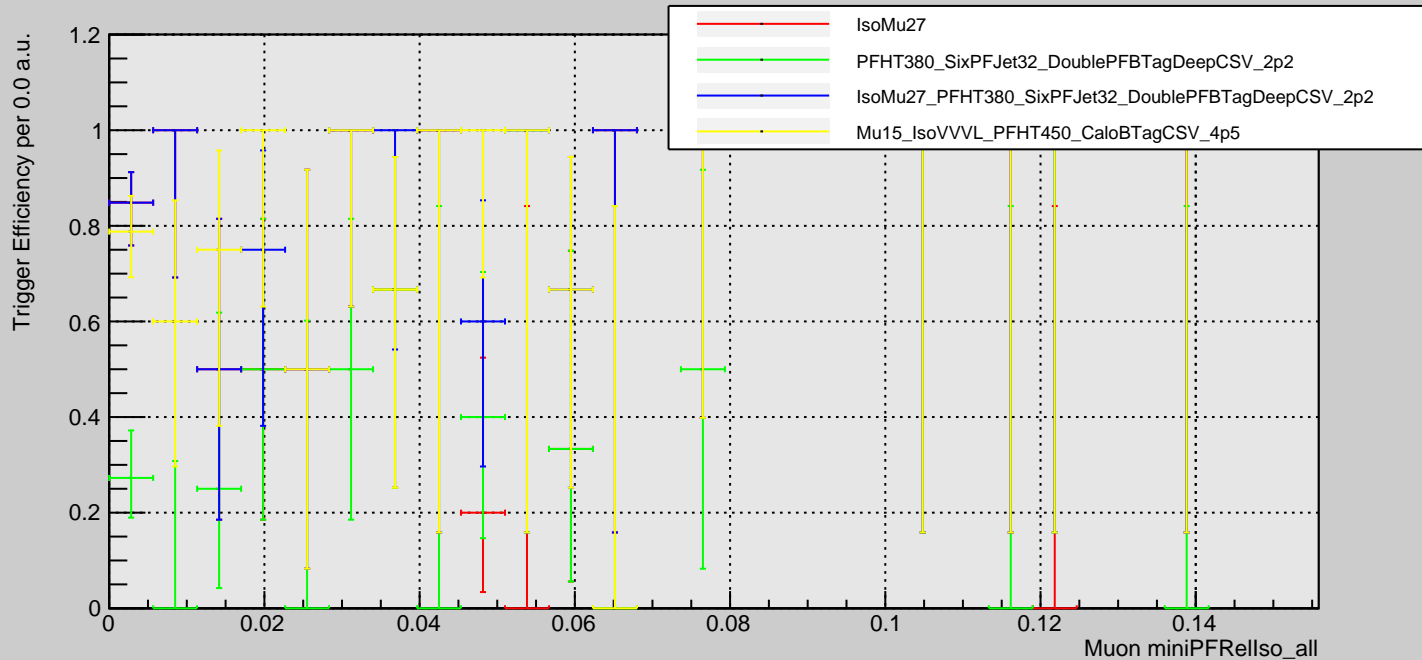
Muon Pt = 20



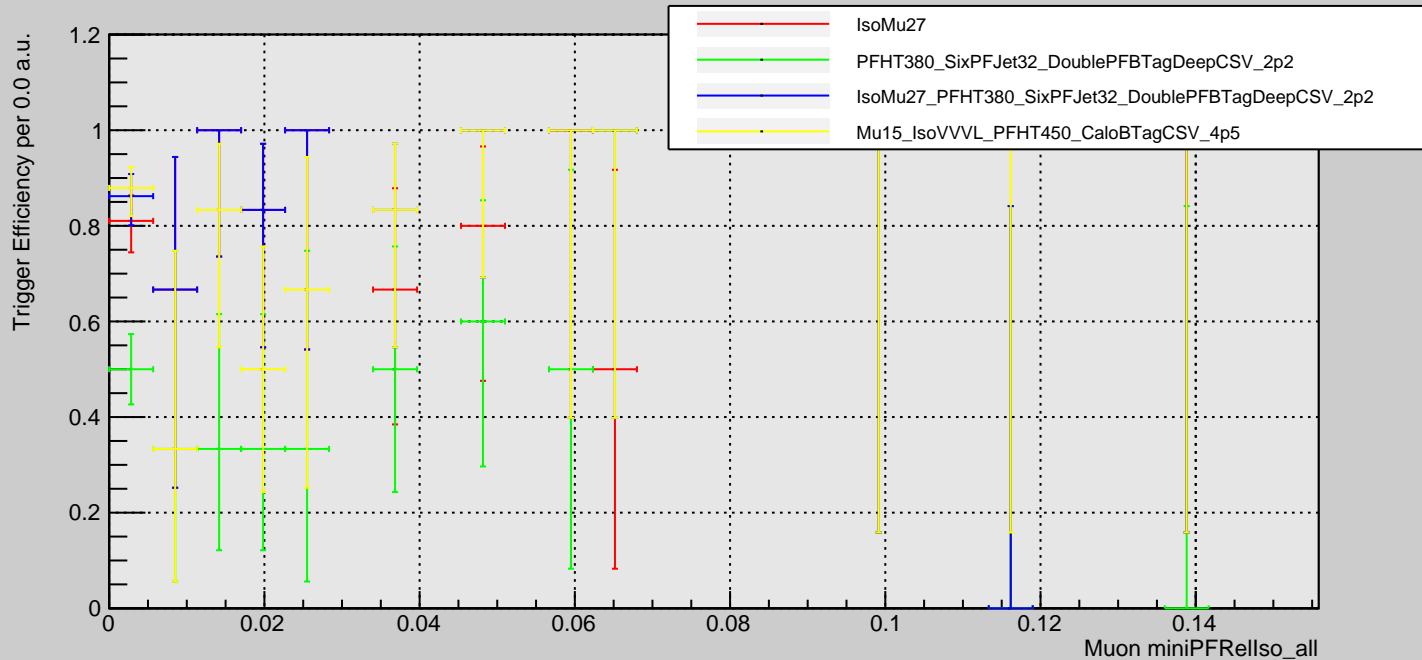
Muon Pt = 25



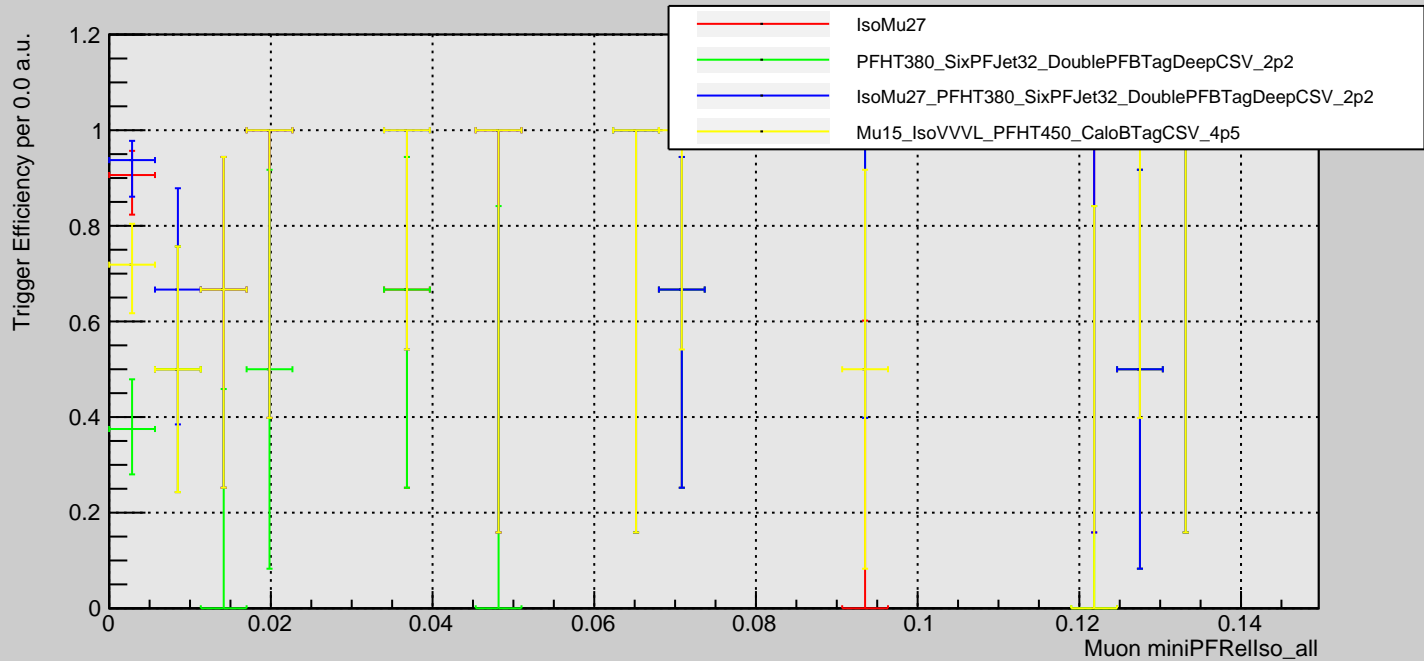
Muon Pt = 30



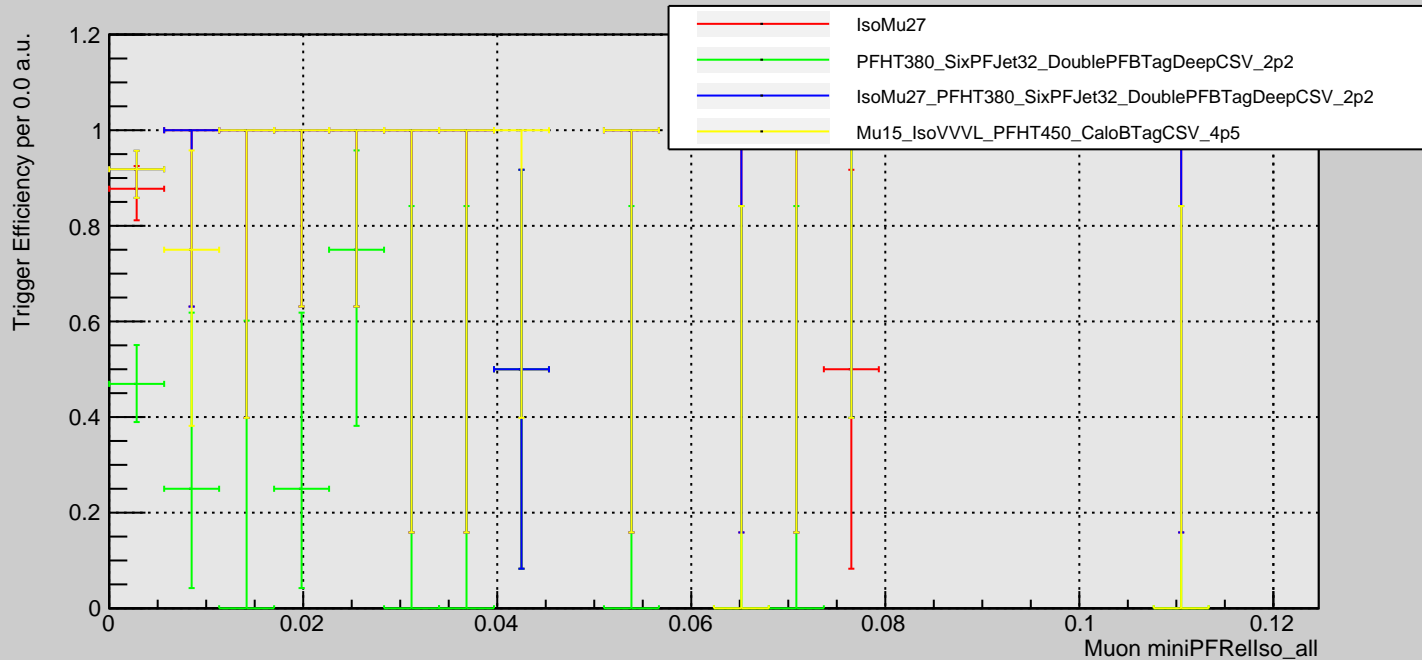
Muon Pt = 35



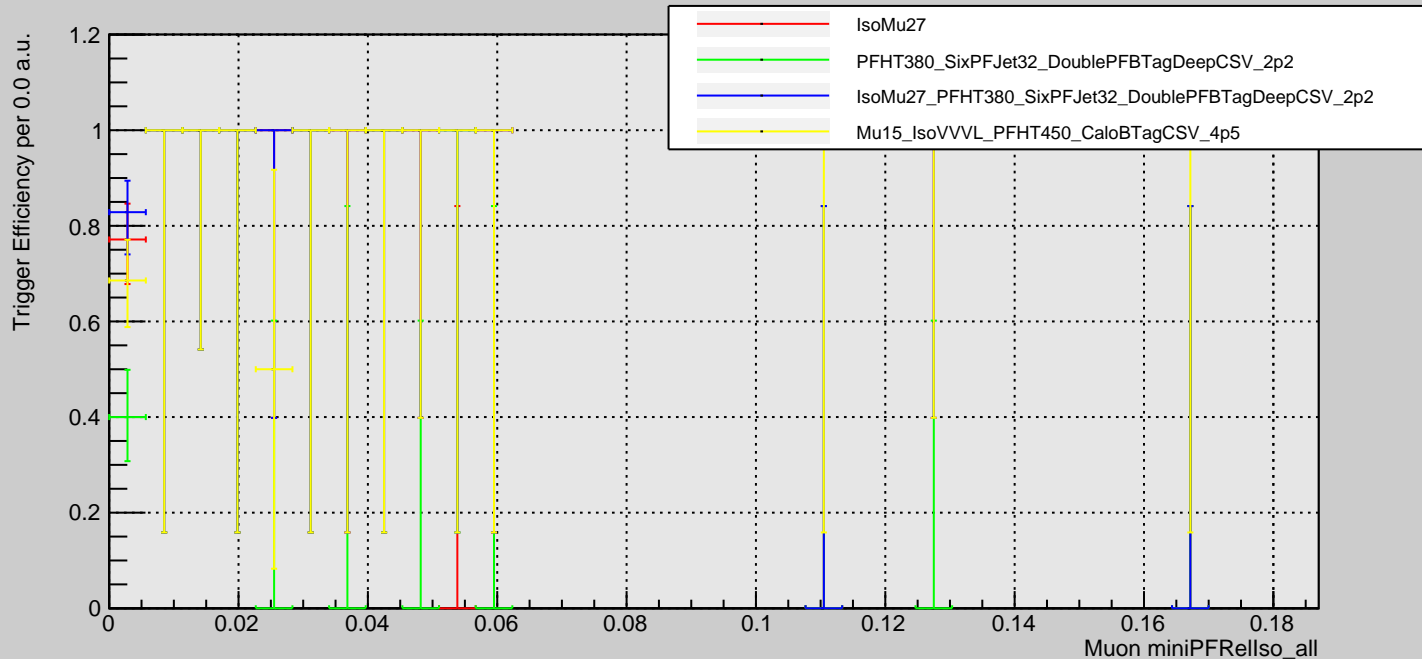
Muon Pt = 40



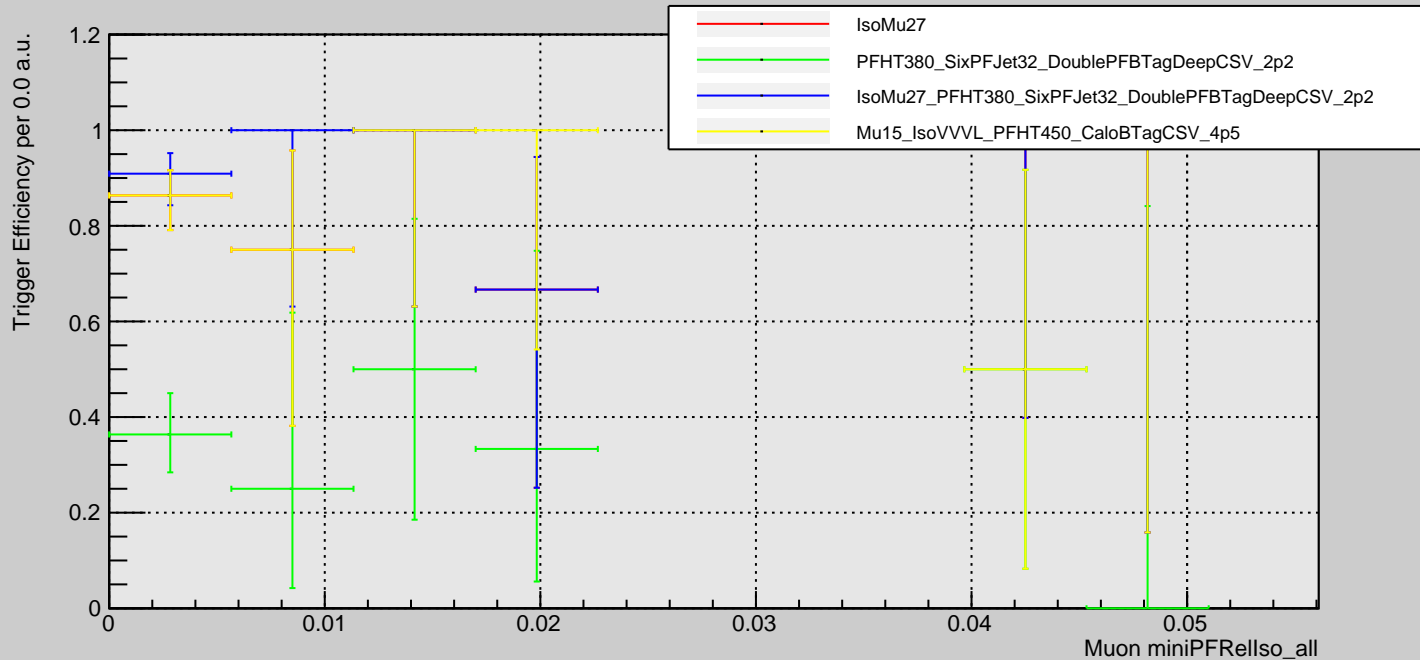
Muon Pt = 45



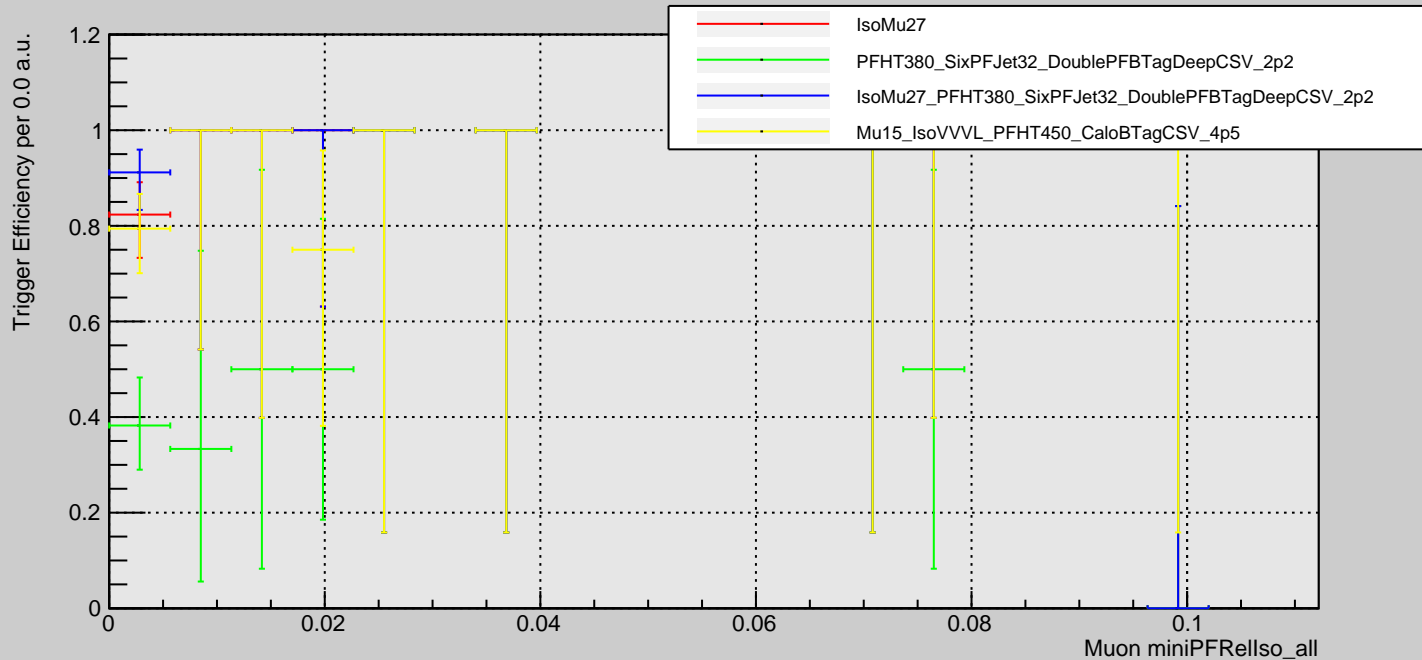
Muon Pt = 50



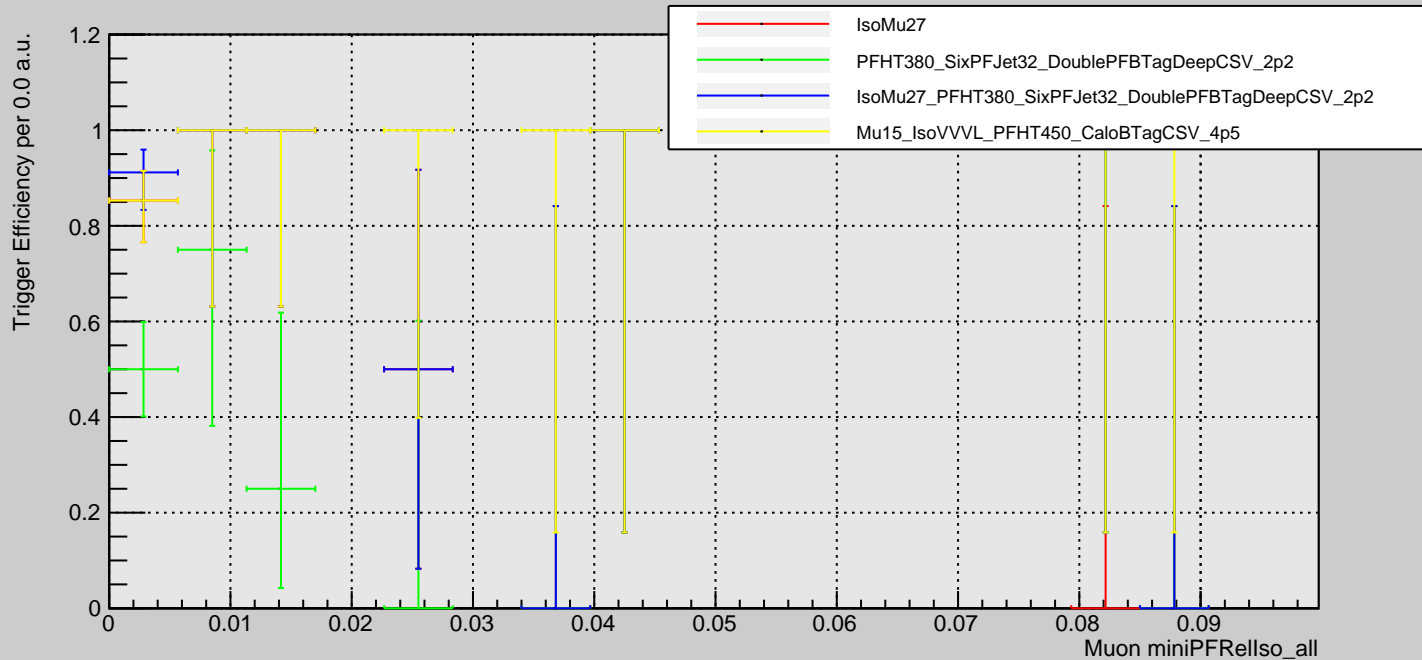
Muon Pt = 55



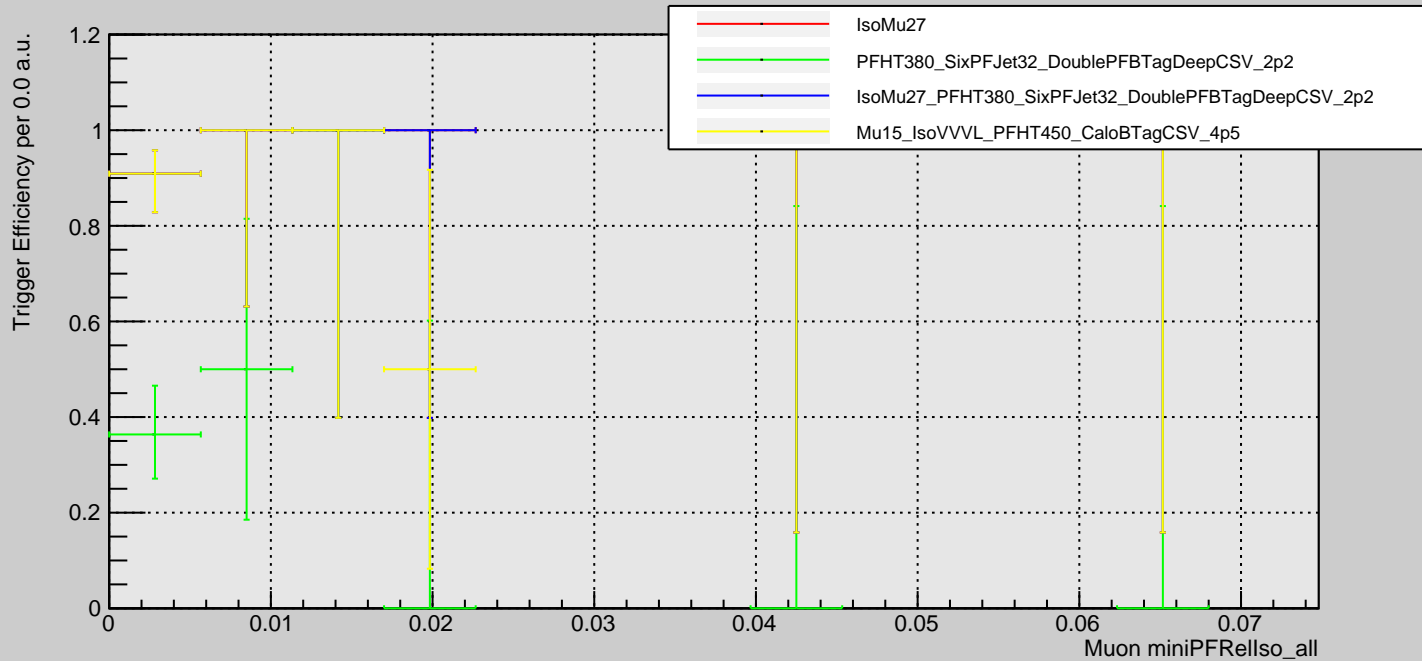
Muon Pt = 60



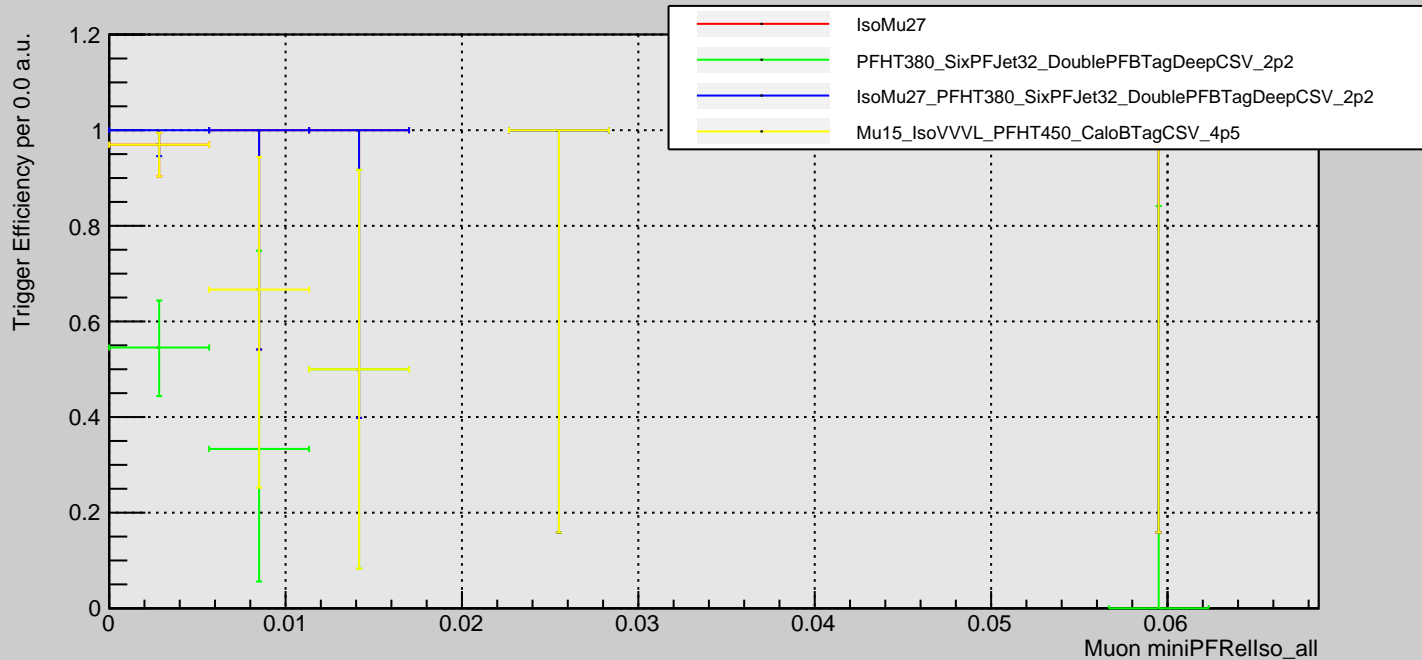
Muon Pt = 65



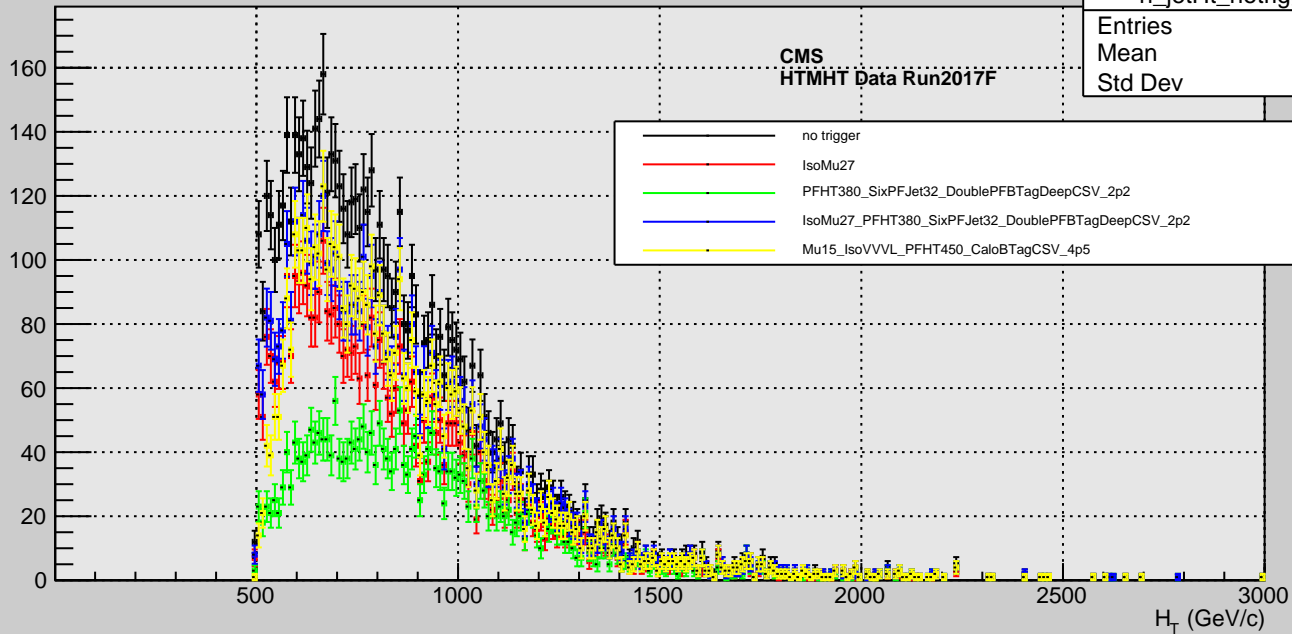
Muon Pt = 70

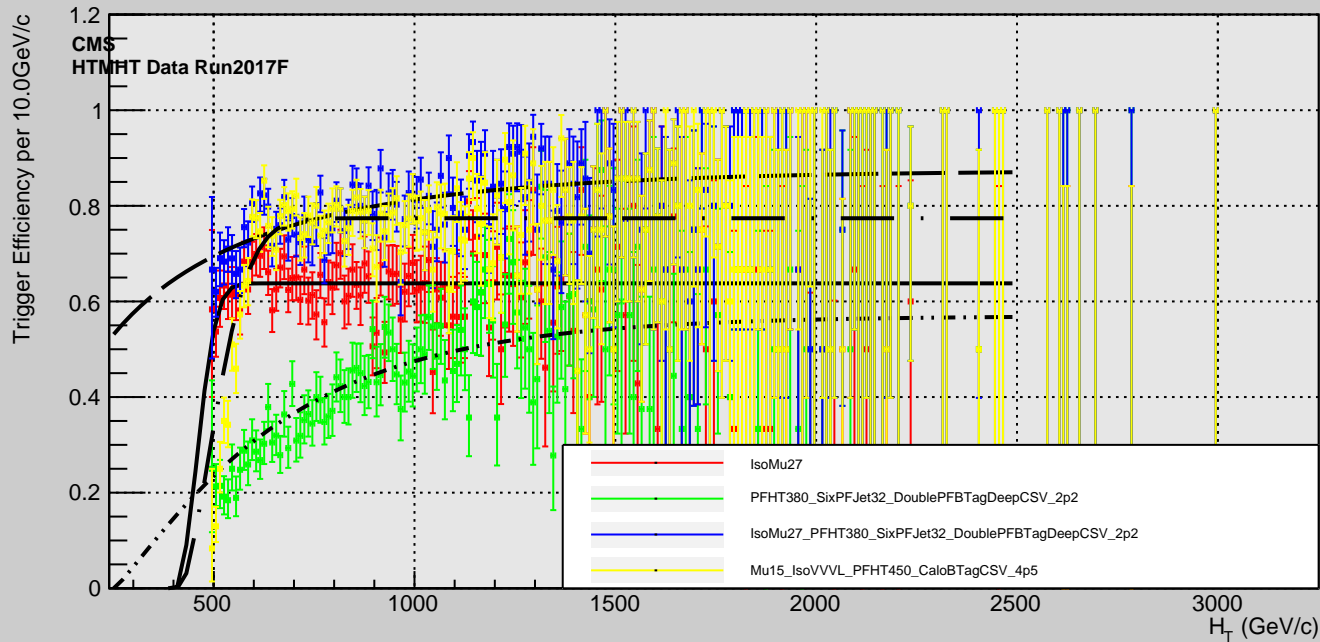


Muon Pt = 75

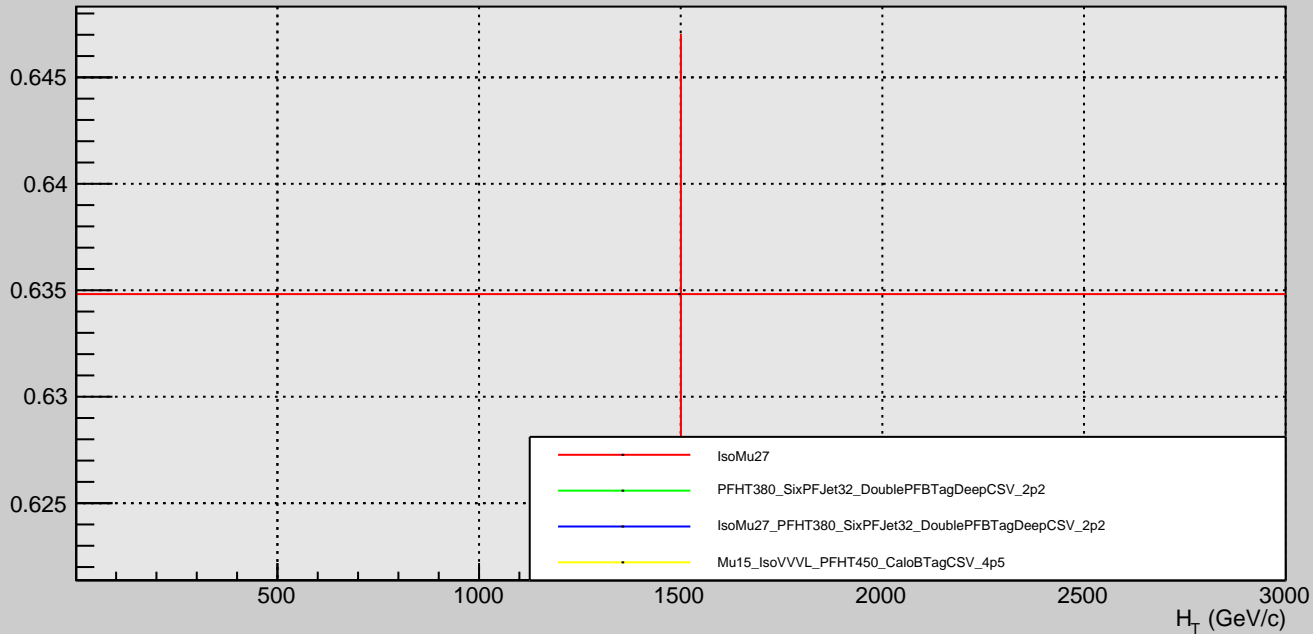


Number of Events per 10 GeV/c

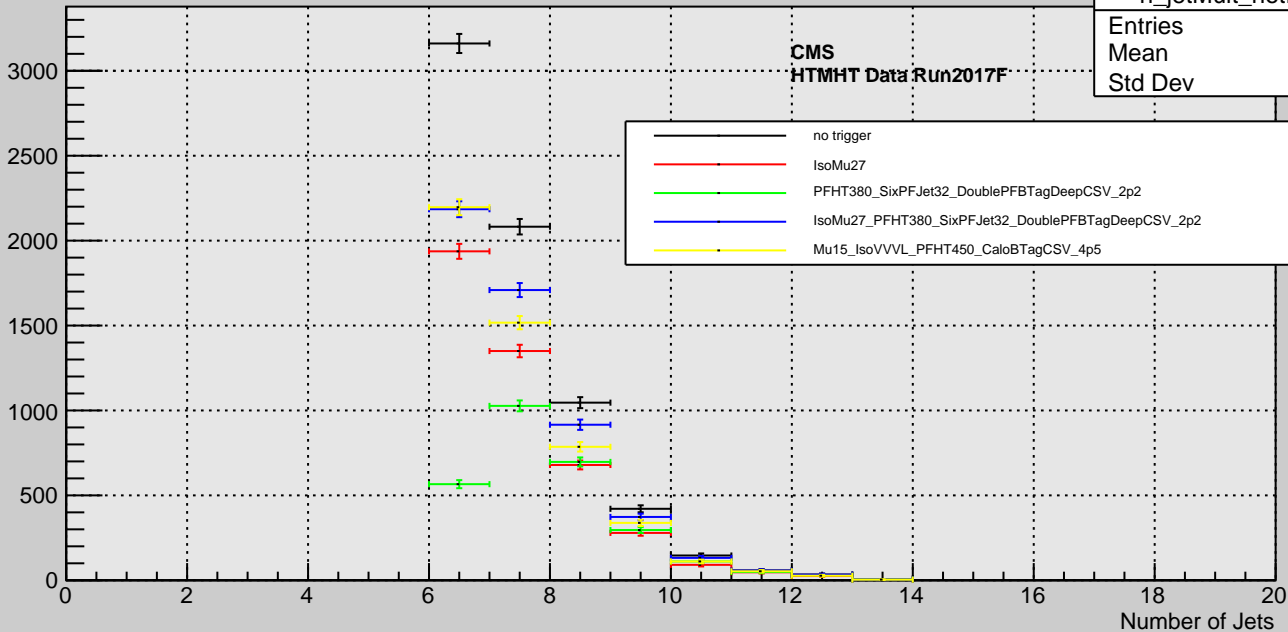


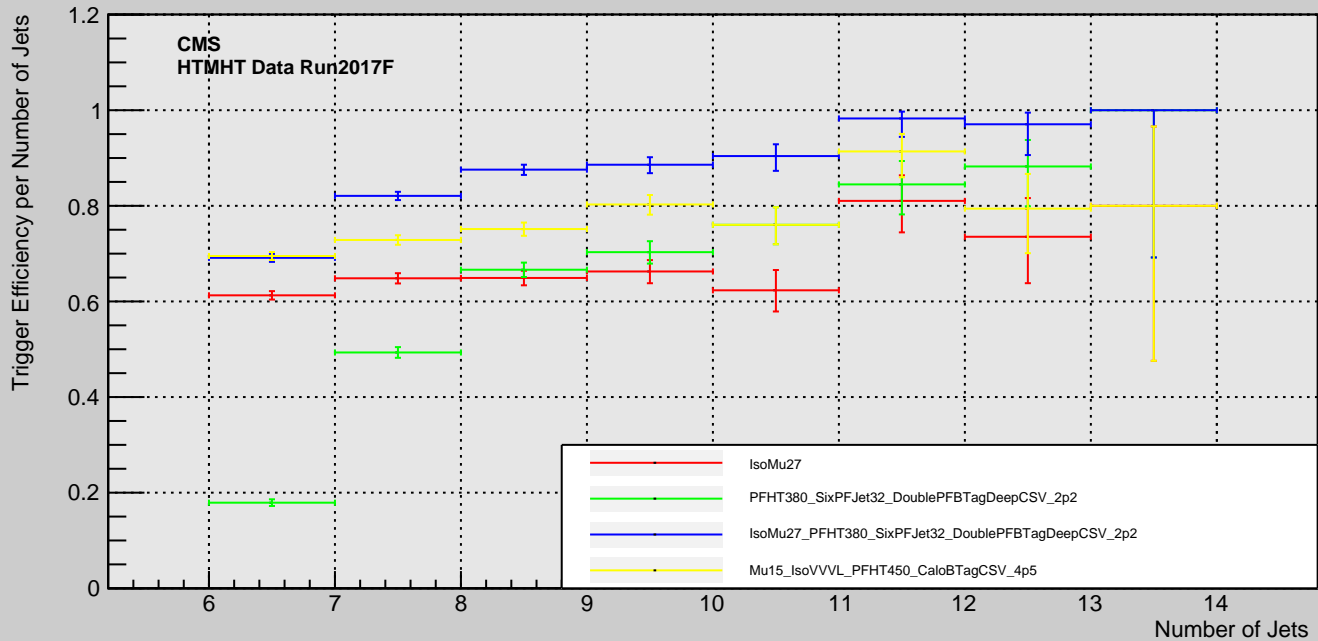


Trigger Efficiency per 2999.0 GeV/c

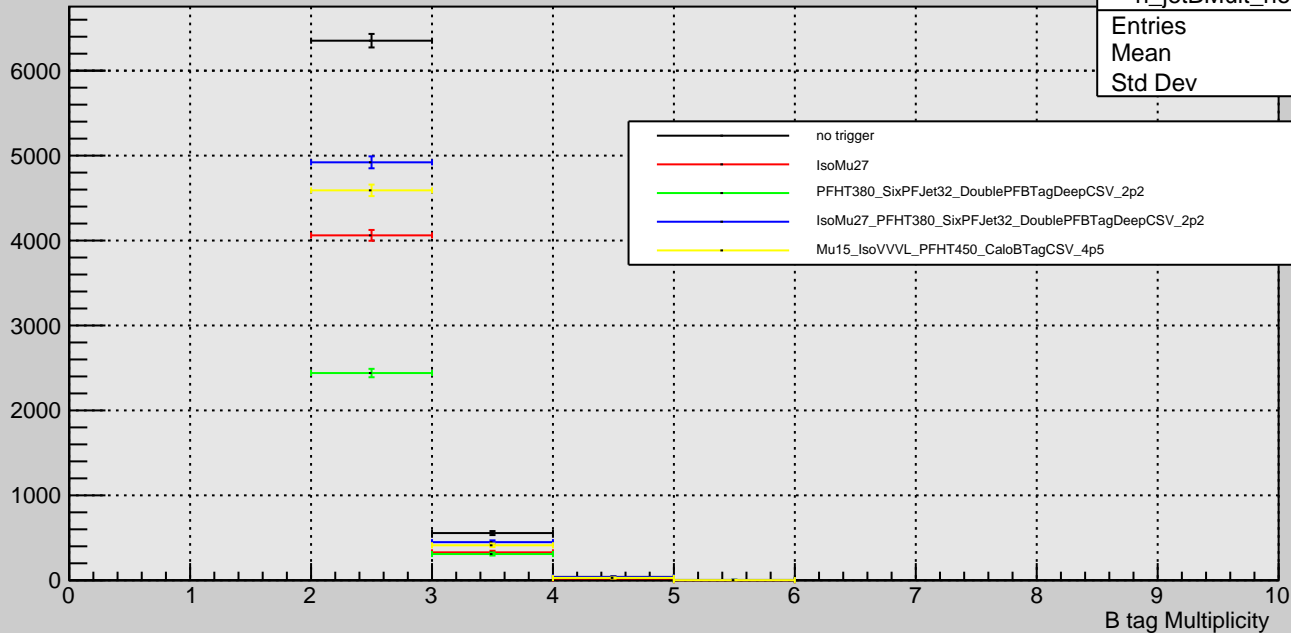


Number of Events per Number of Jets

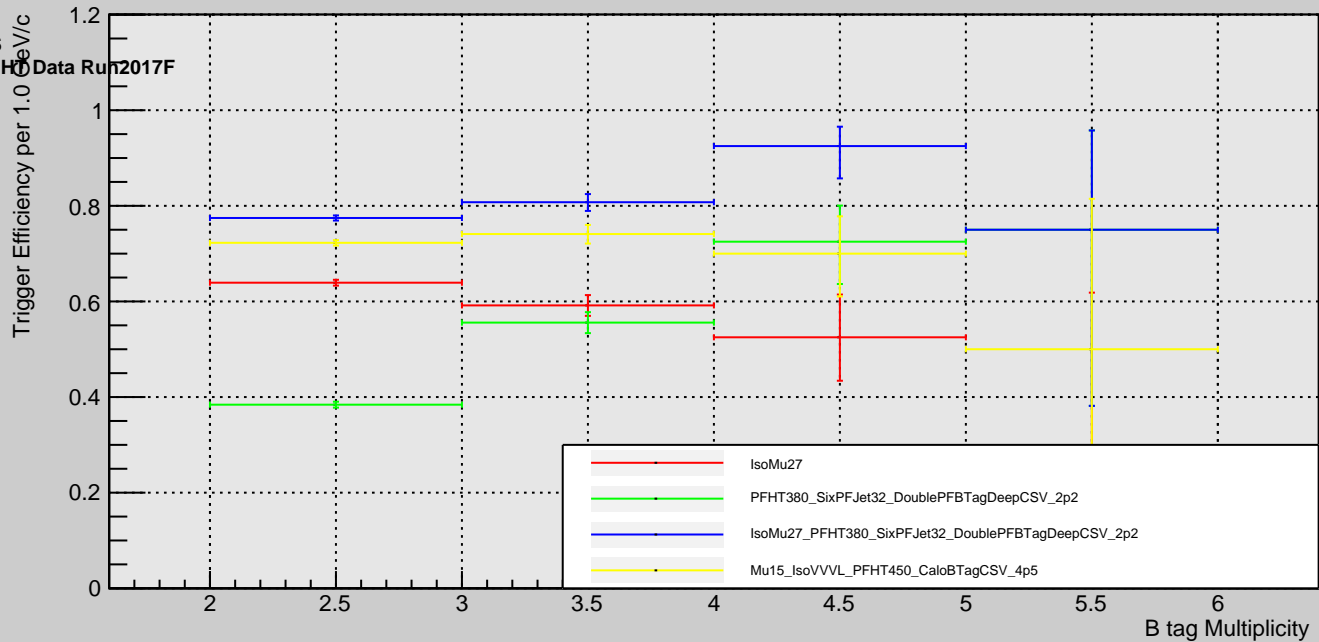




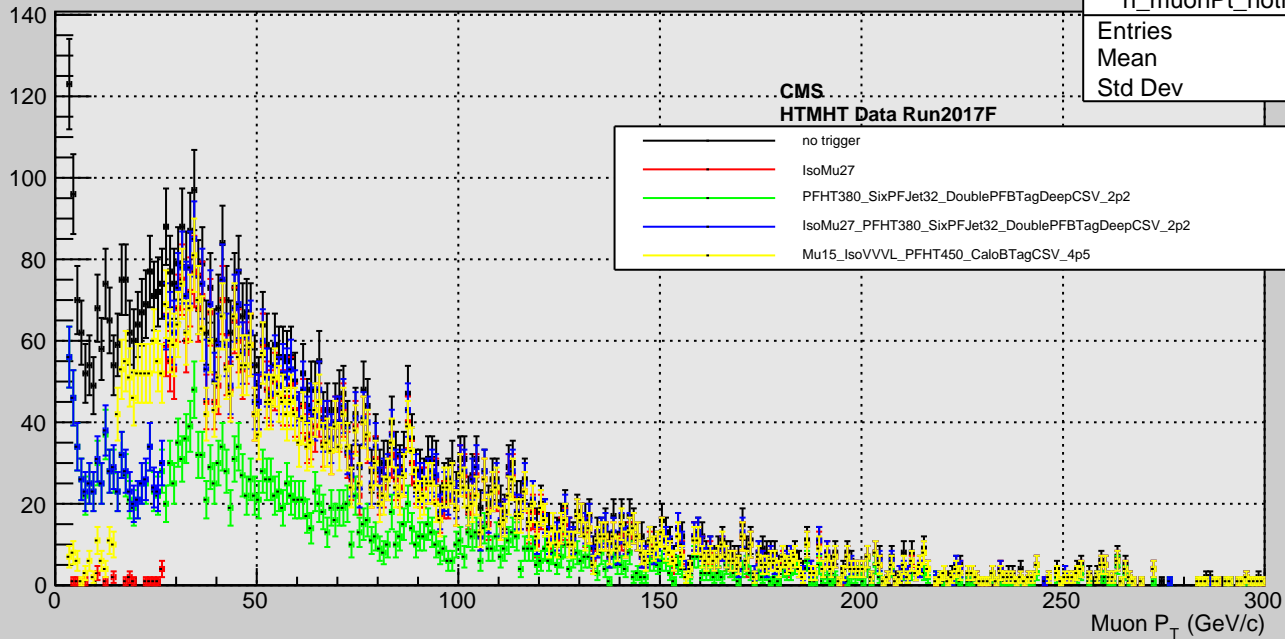
Number of Events per Number of Jets



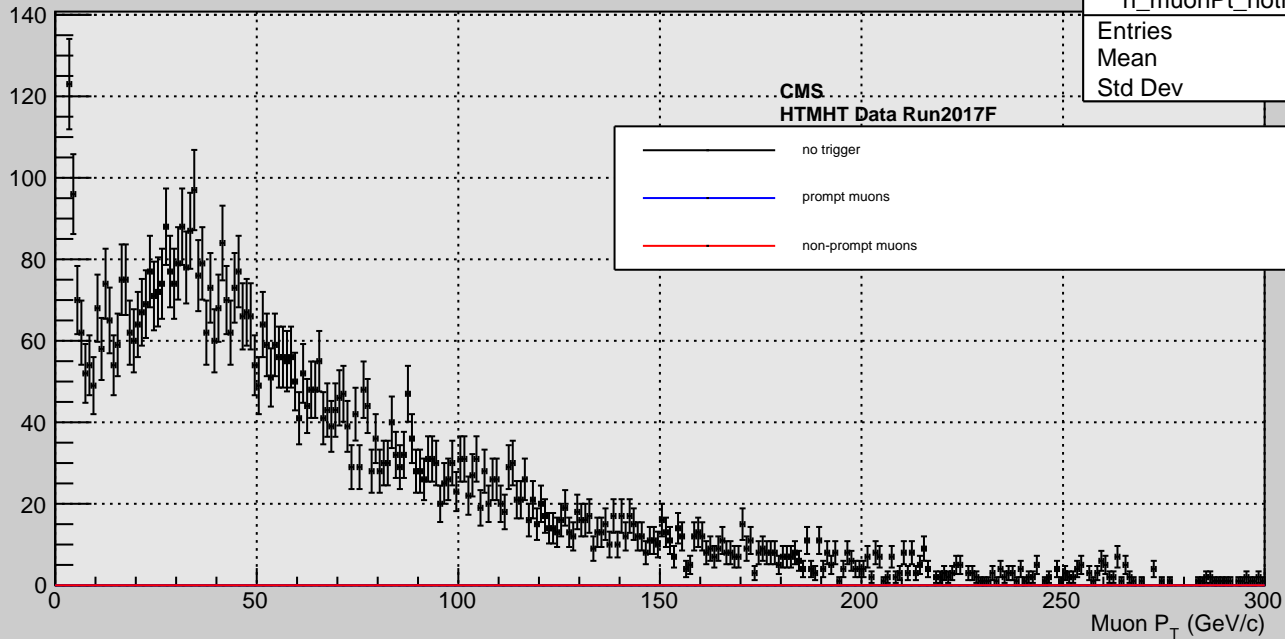
CMS
HTMHC Data Run 2017F

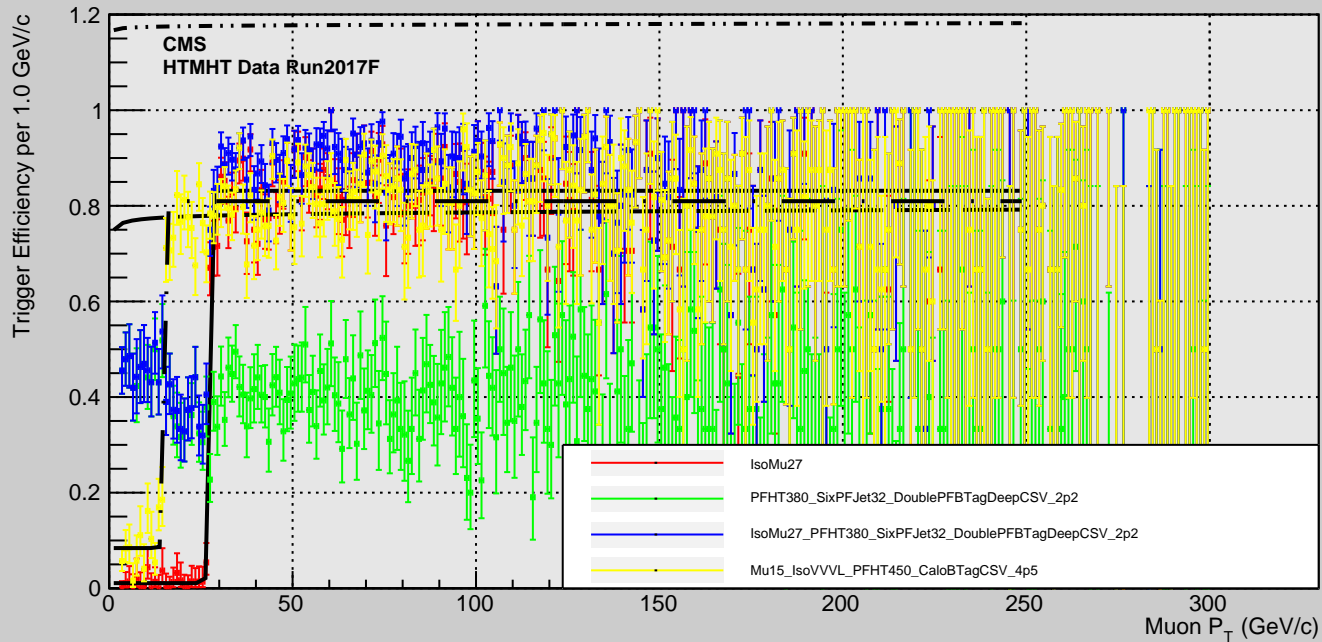


Number of Events per 1 GeV/c

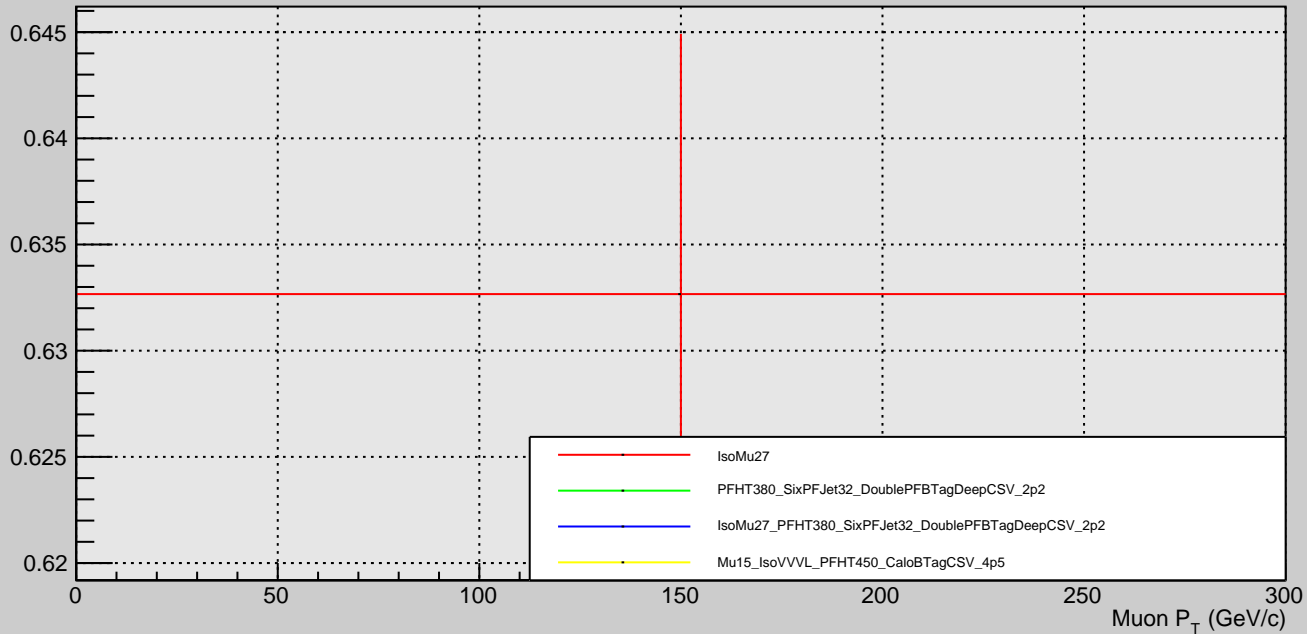


Number of Events per 1 GeV/c





Trigger Efficiency per 300.00 GeV/c



Number of Events per 1 GeV/c

h_metPt_notrigger	
Entries	6953
Mean	153.7
Std Dev	60.21

CMS

HT, MHT Data Run2017F

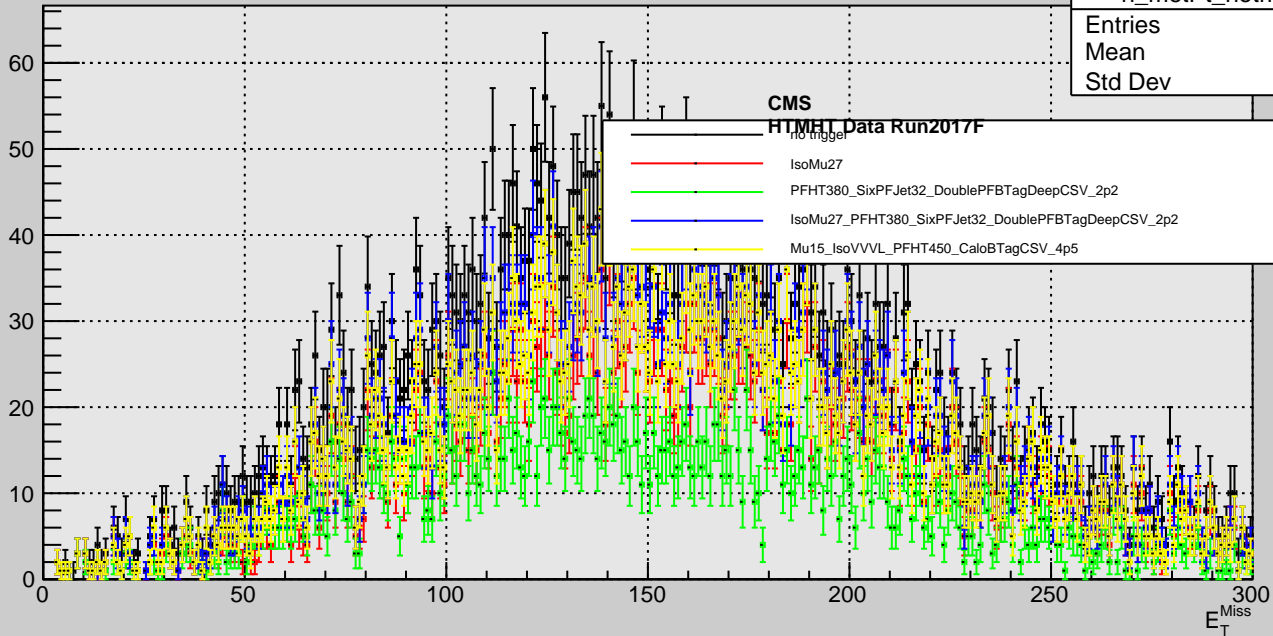
no trigger

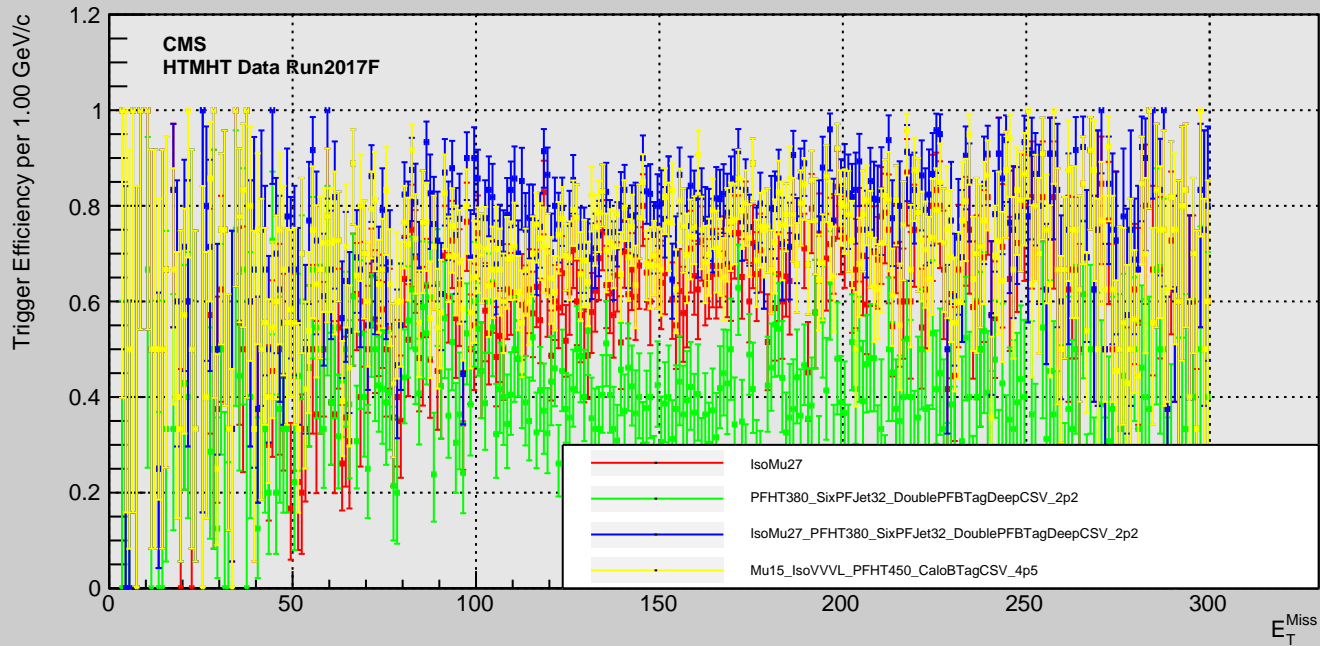
IsoMu27

PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

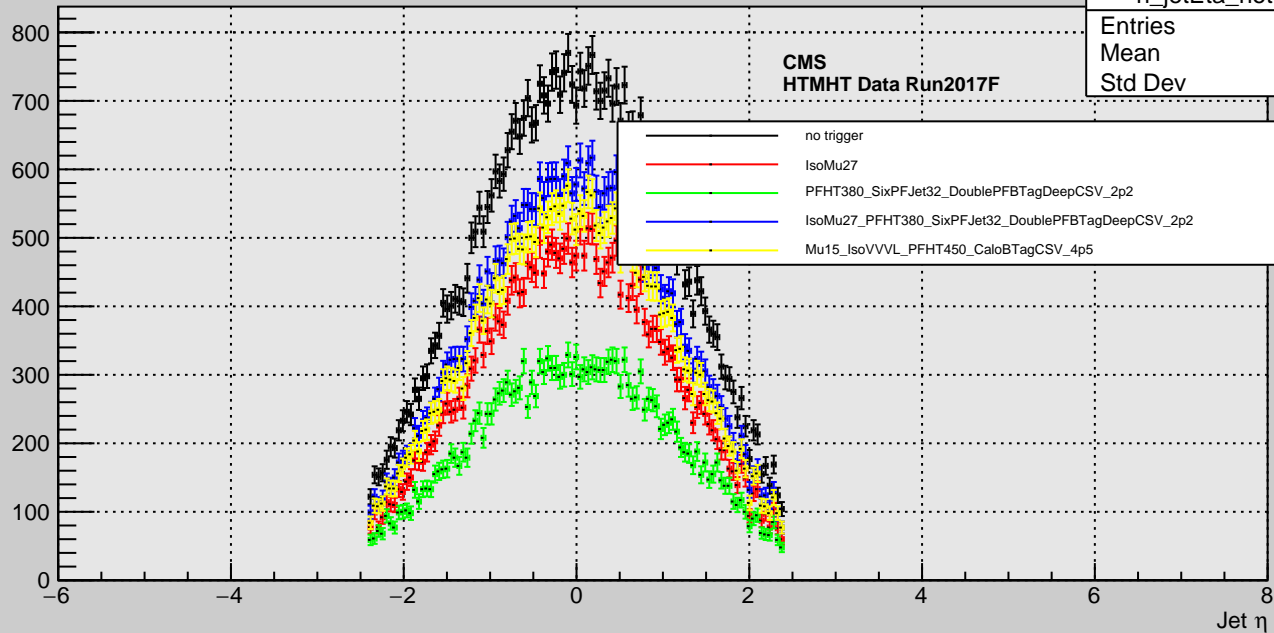
IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5





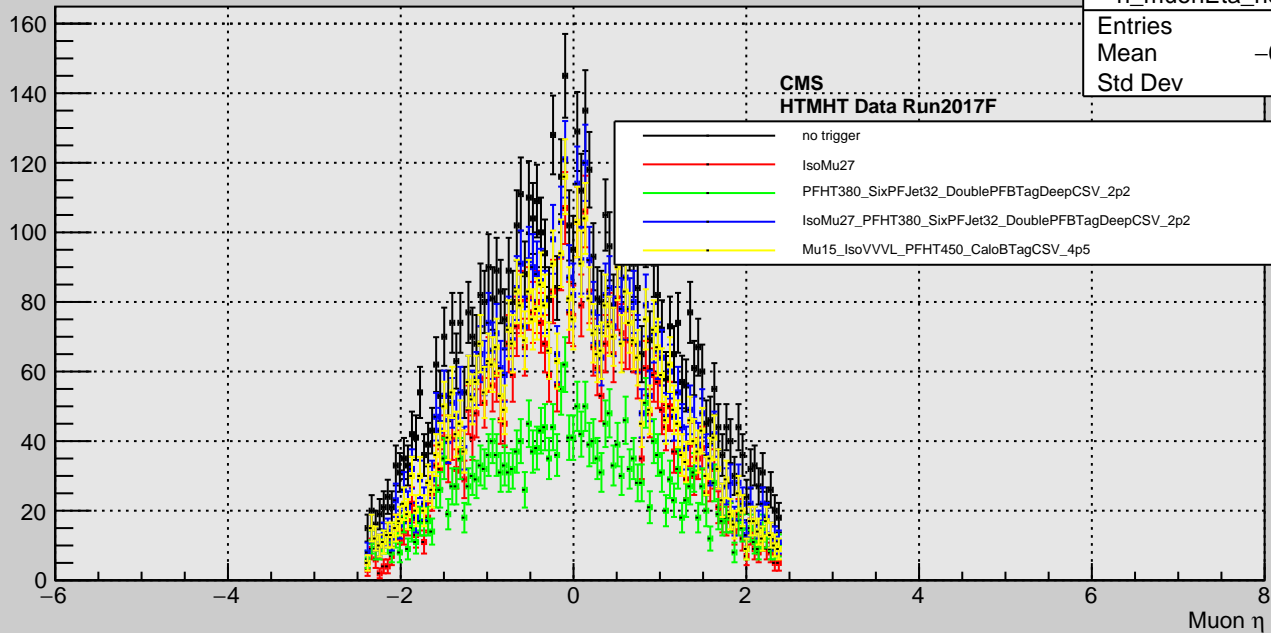
Number of Events per $\delta\eta = 0.046$

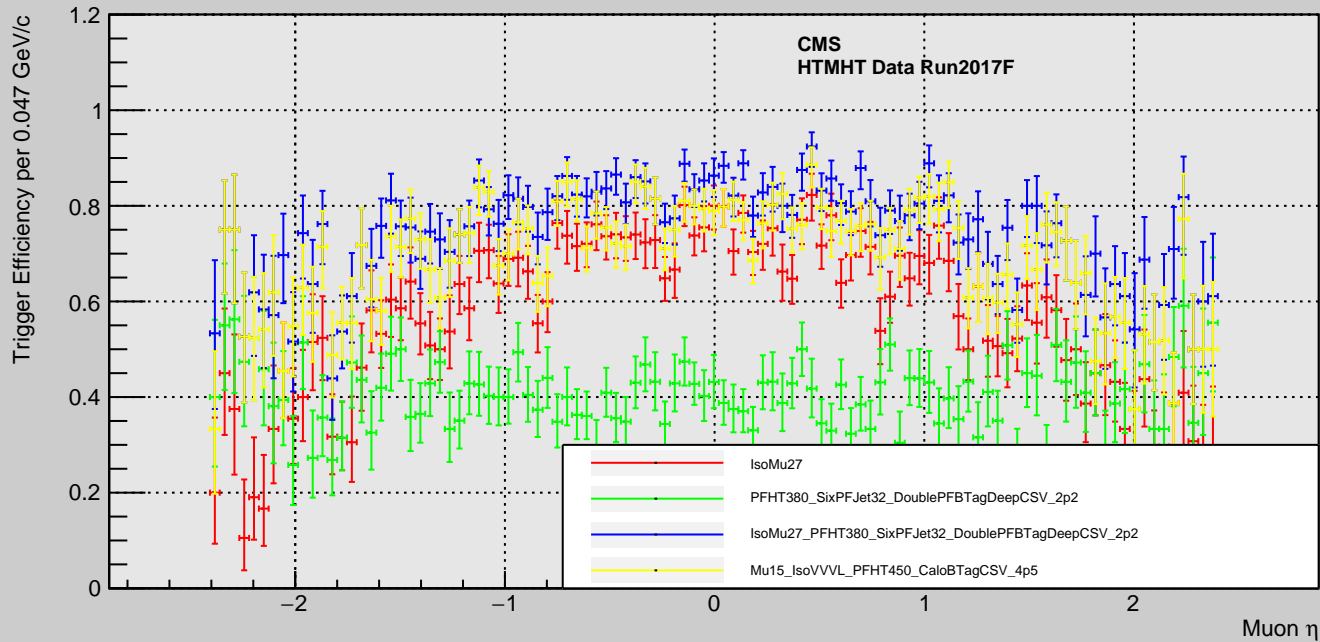


h_jetEta_notrigger

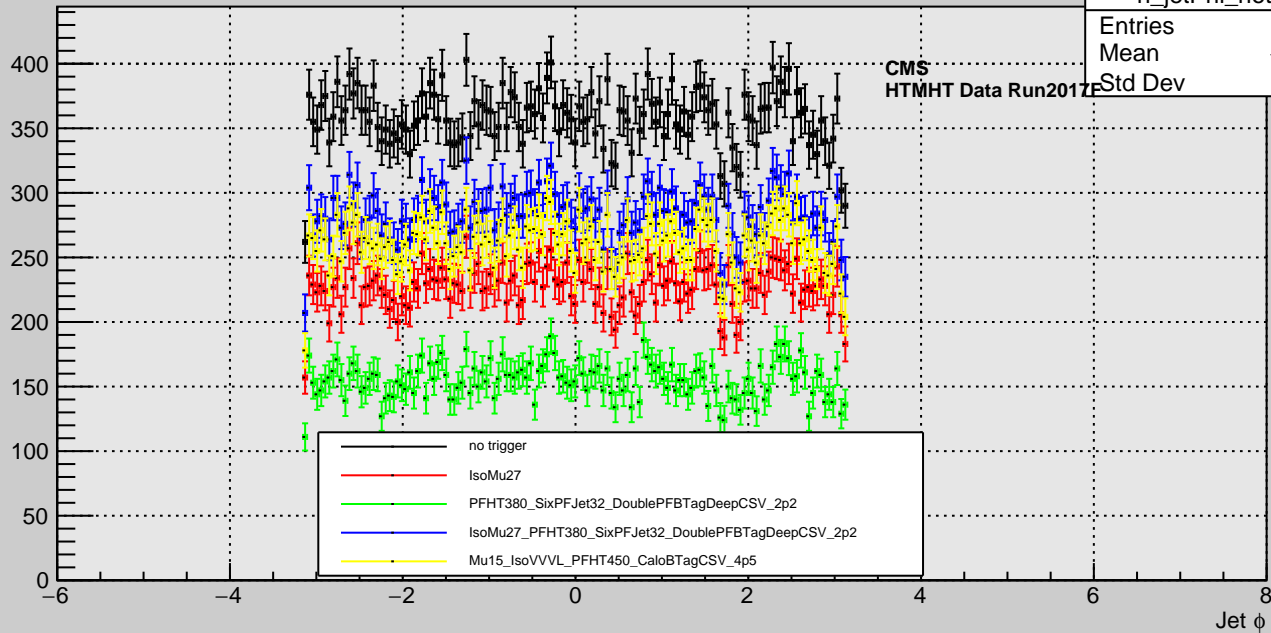
Entries	48268
Mean	-0.014
Std Dev	1.092

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





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



h_jetPhi_notrigger

Entries	48268
Mean	-0.01515
Std Dev	1.809

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

