

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 $\text{miniPFRelIso_all} < 0.15$ (for at least 1)

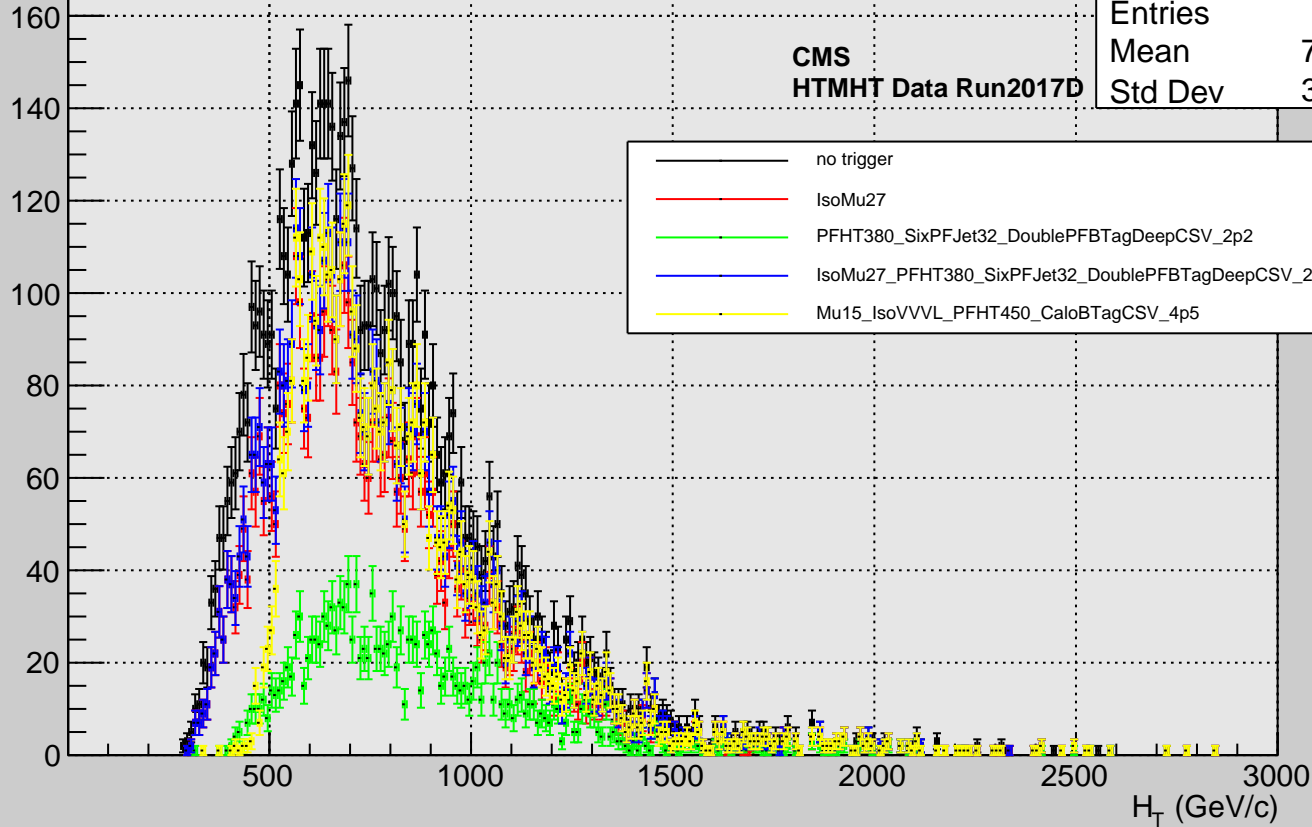
Number of Events per 10 GeV/c

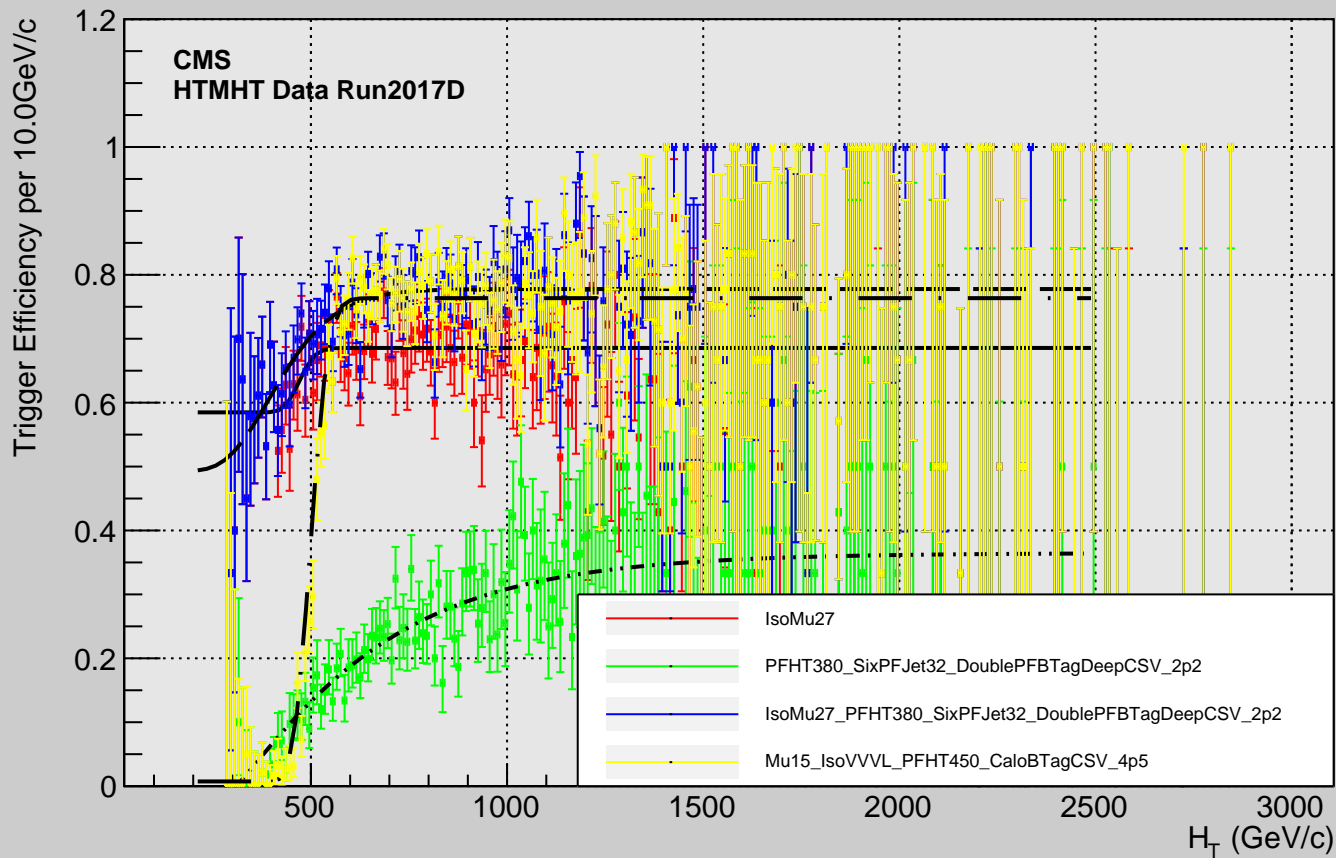
CMS
HTMHT Data Run2017D

h_jetHt_notrigger

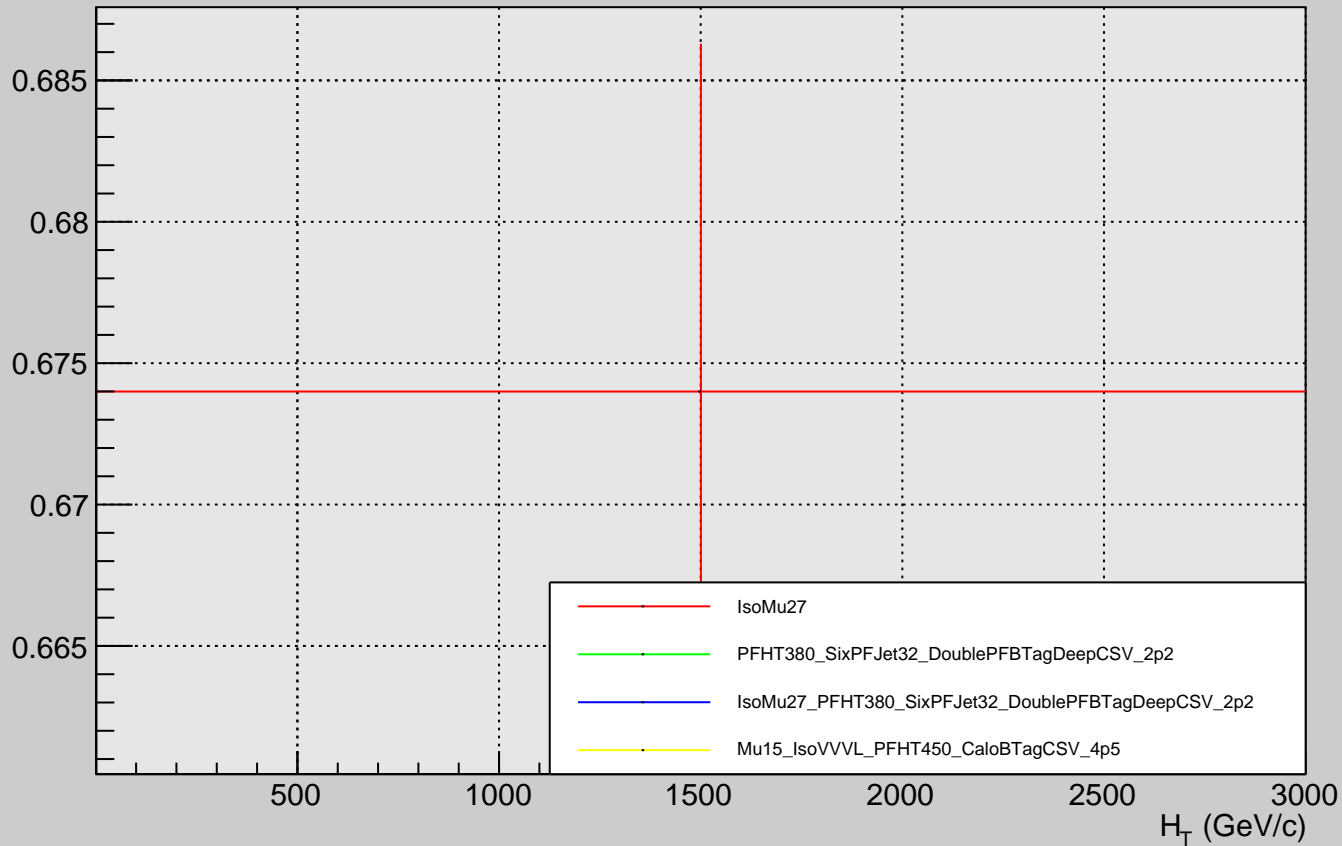
Entries	7461
Mean	783.7
Std Dev	310.7

—	no trigger
—	IsoMu27
—	PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
—	IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
—	Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

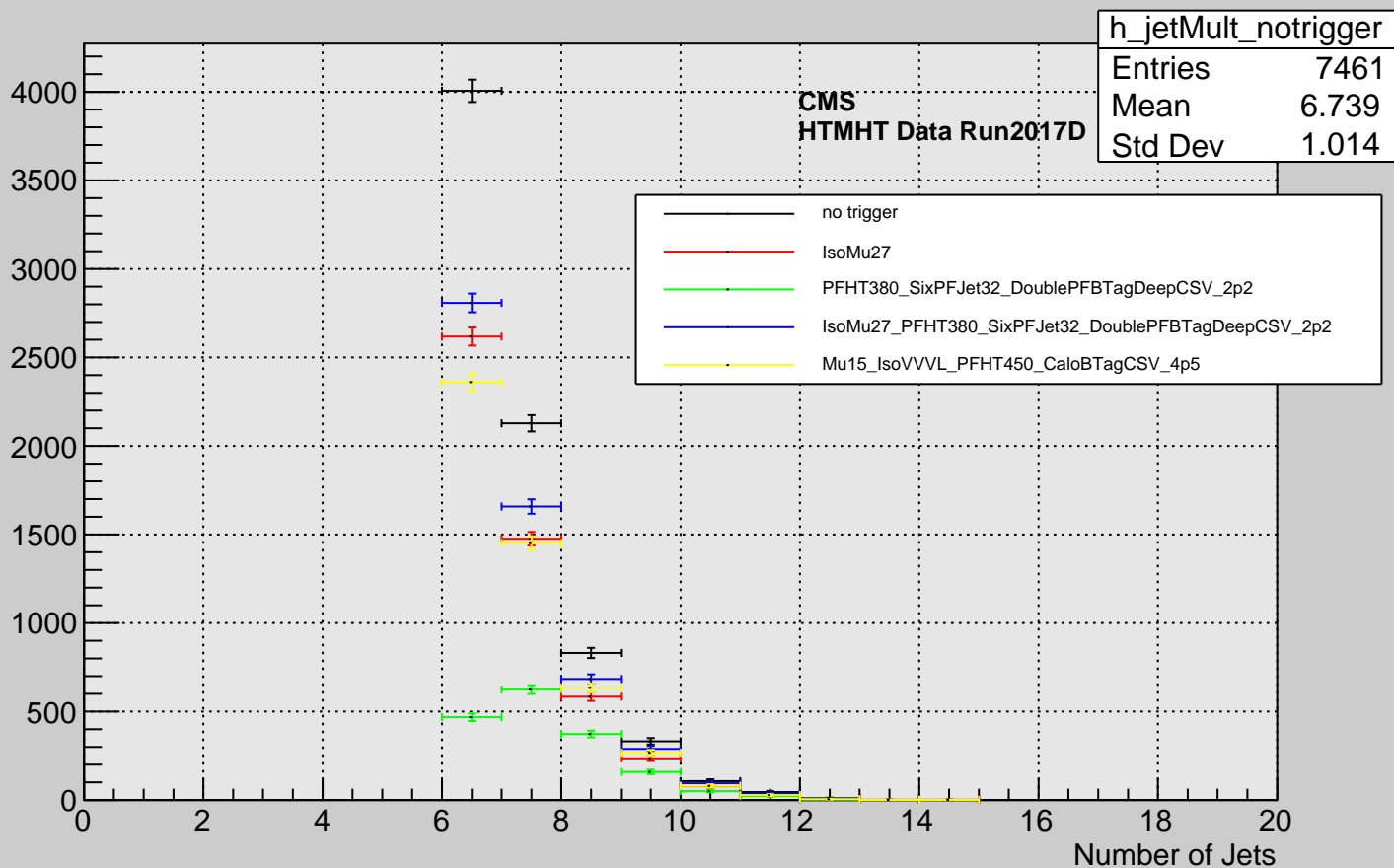


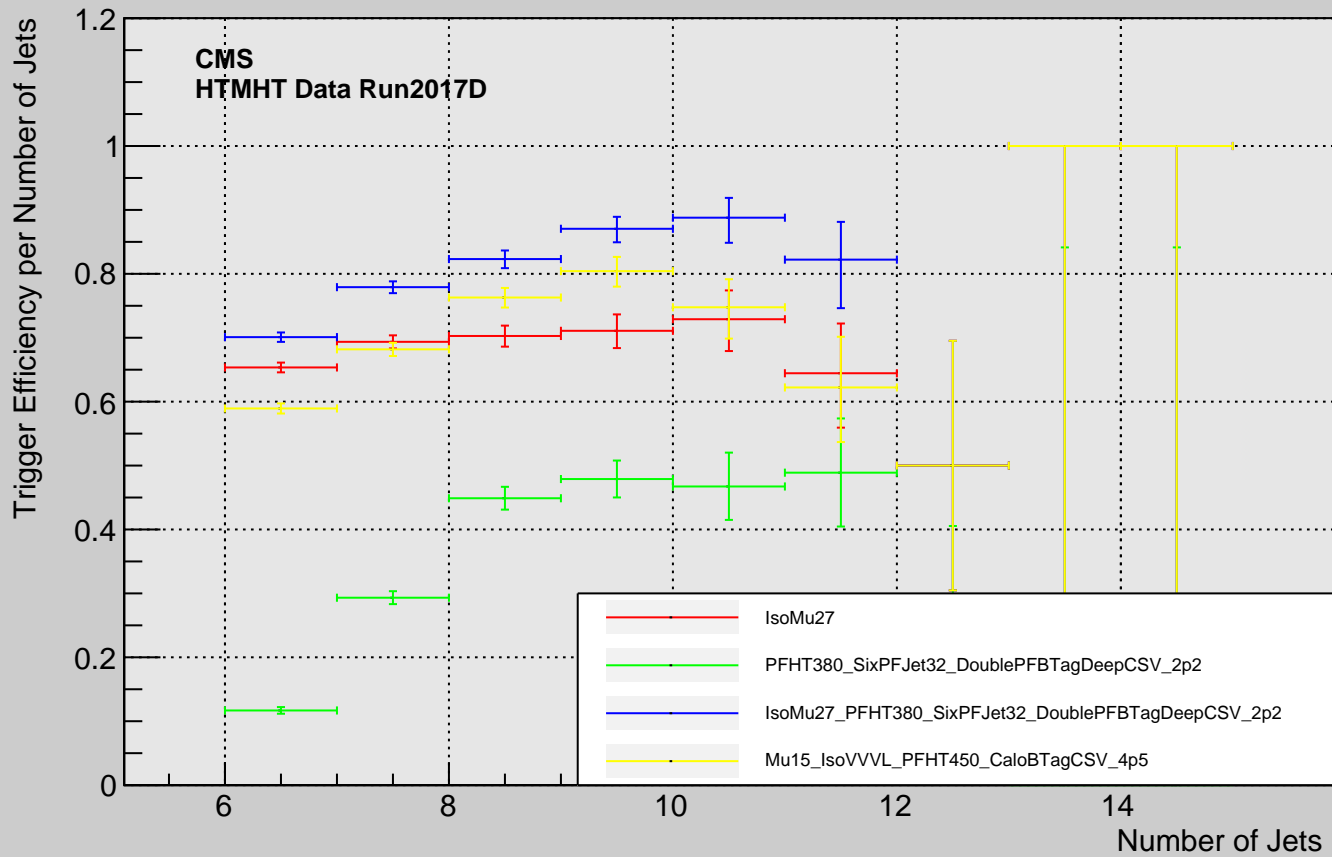


Trigger Efficiency per 2999.0 GeV/c

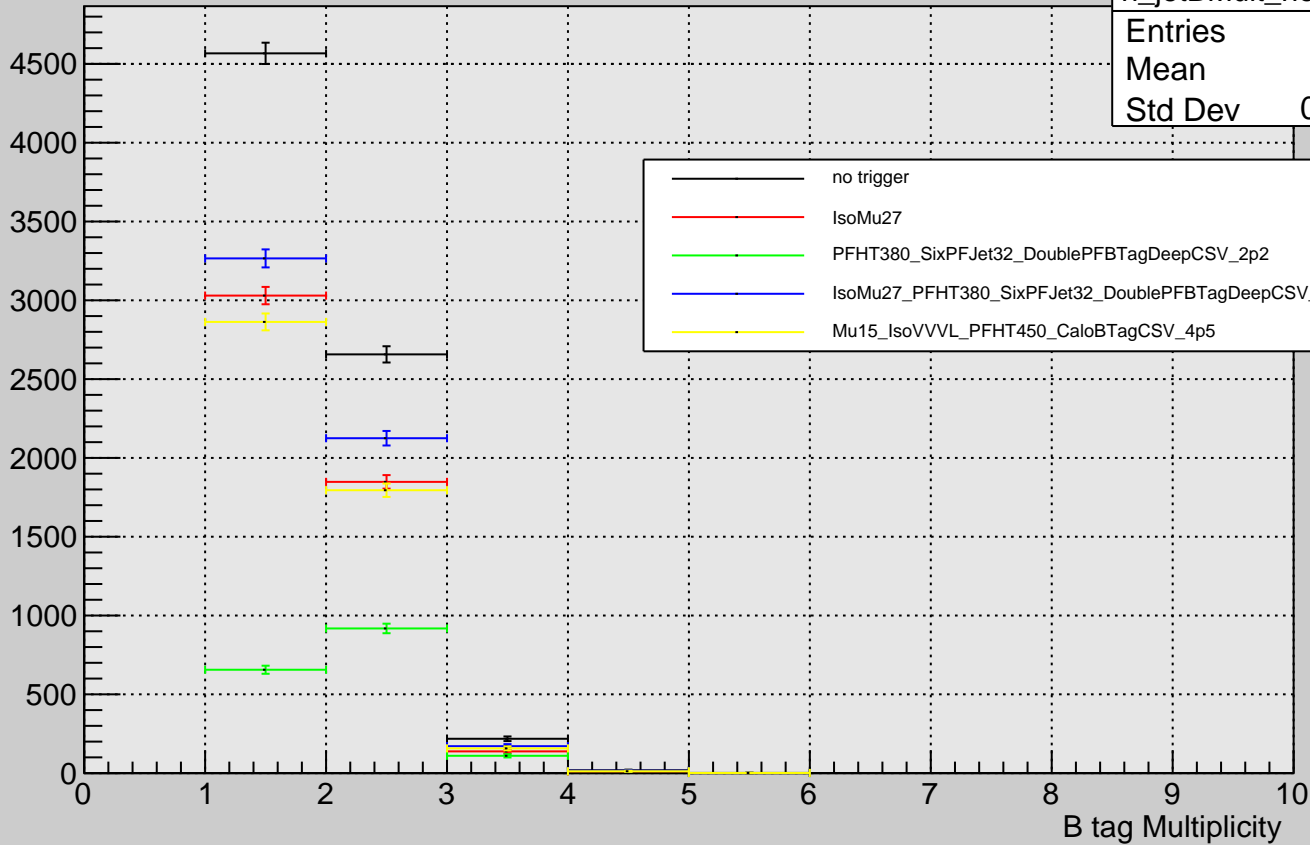


Number of Events per Number of Jets



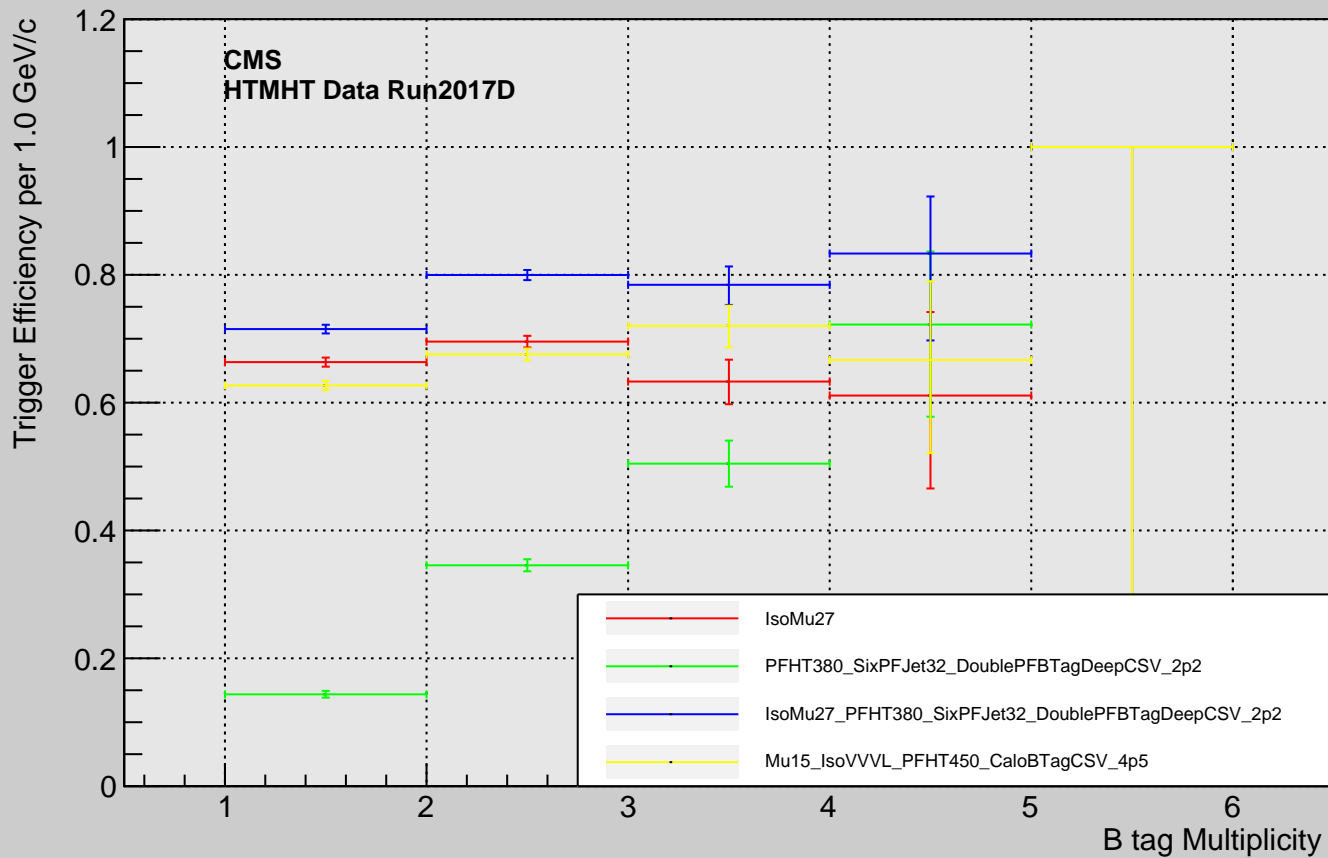


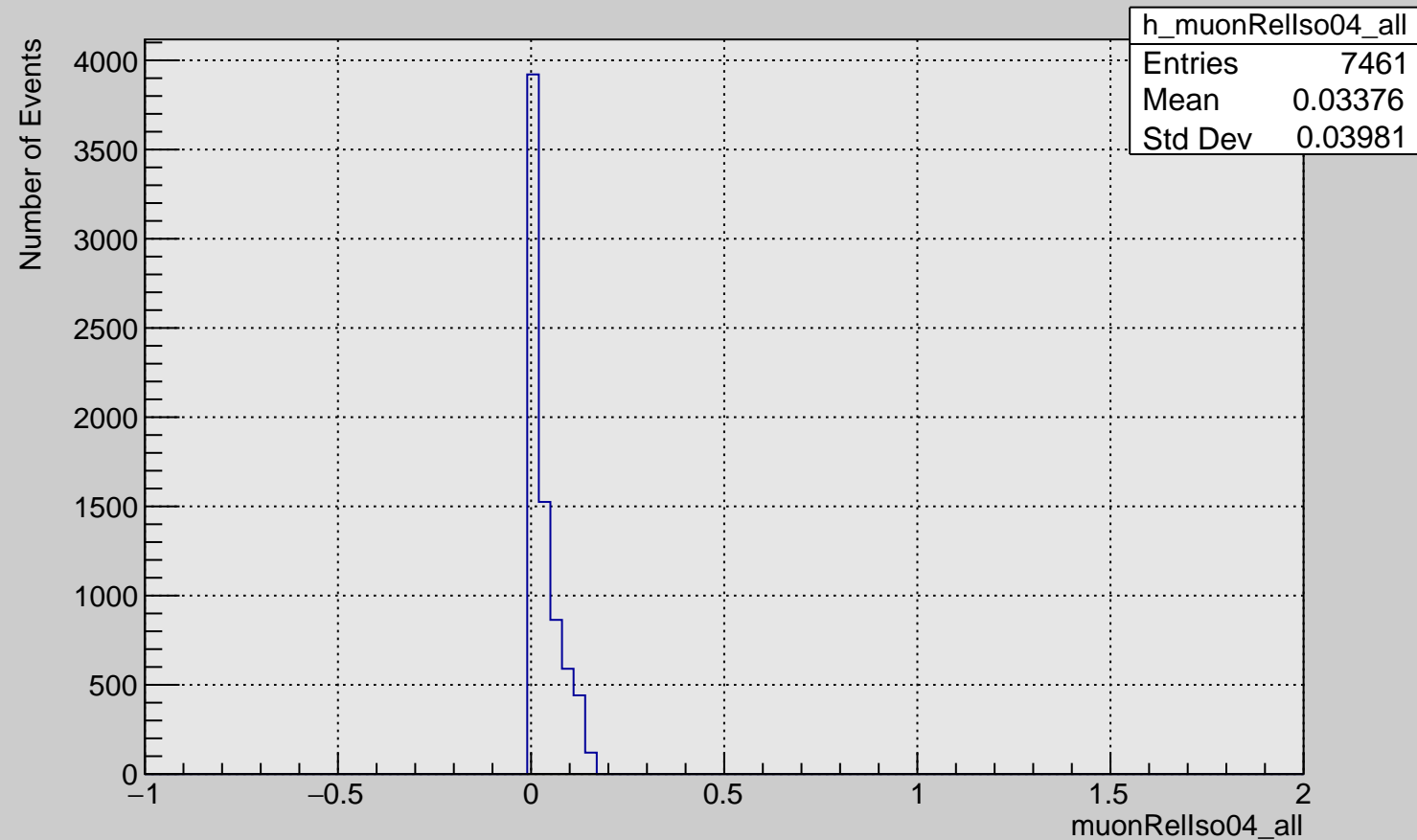
Number of Events per Number of Jets



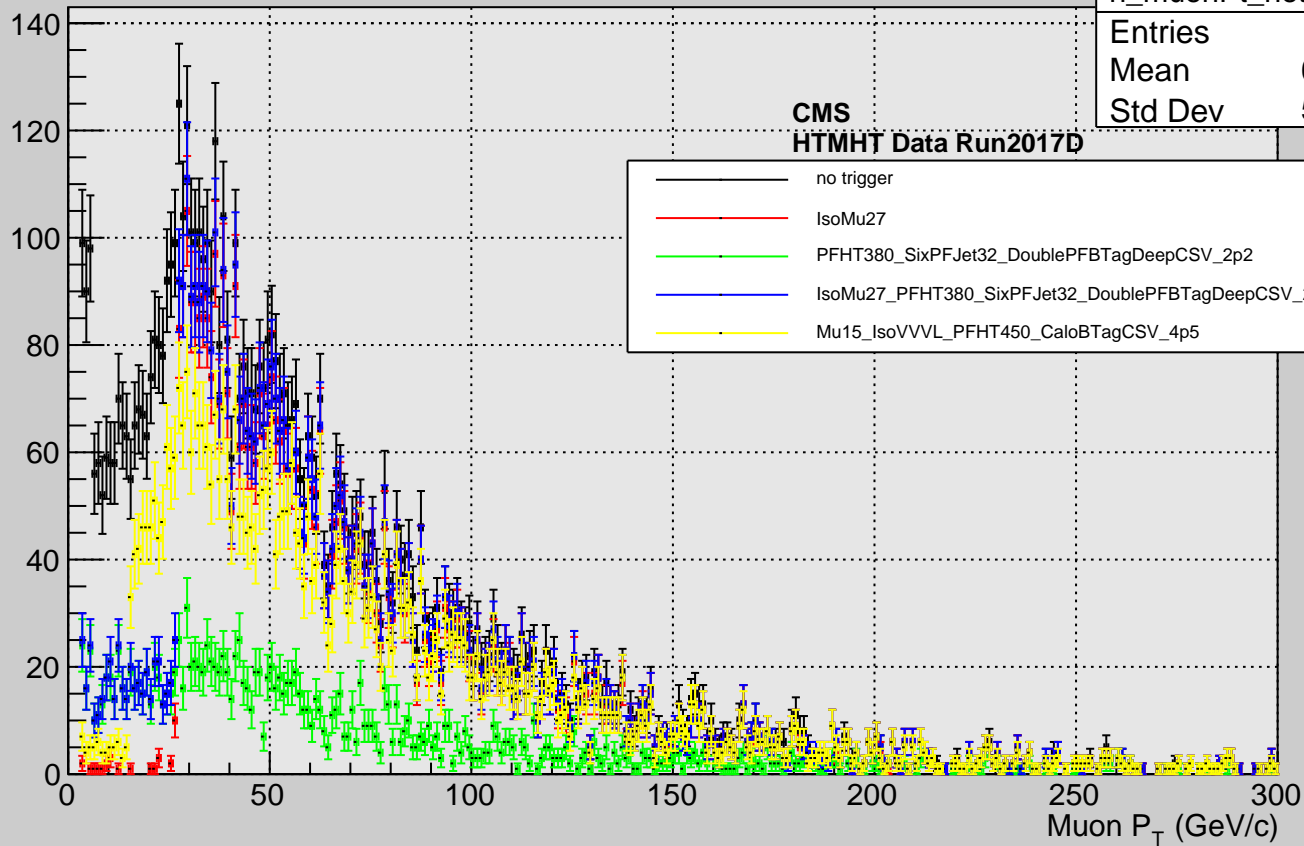
h_jetBMult_notrigger	
Entries	7461
Mean	1.922
Std Dev	0.5643

- no trigger
- IsoMu27
- PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- IsoMu27_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2
- Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

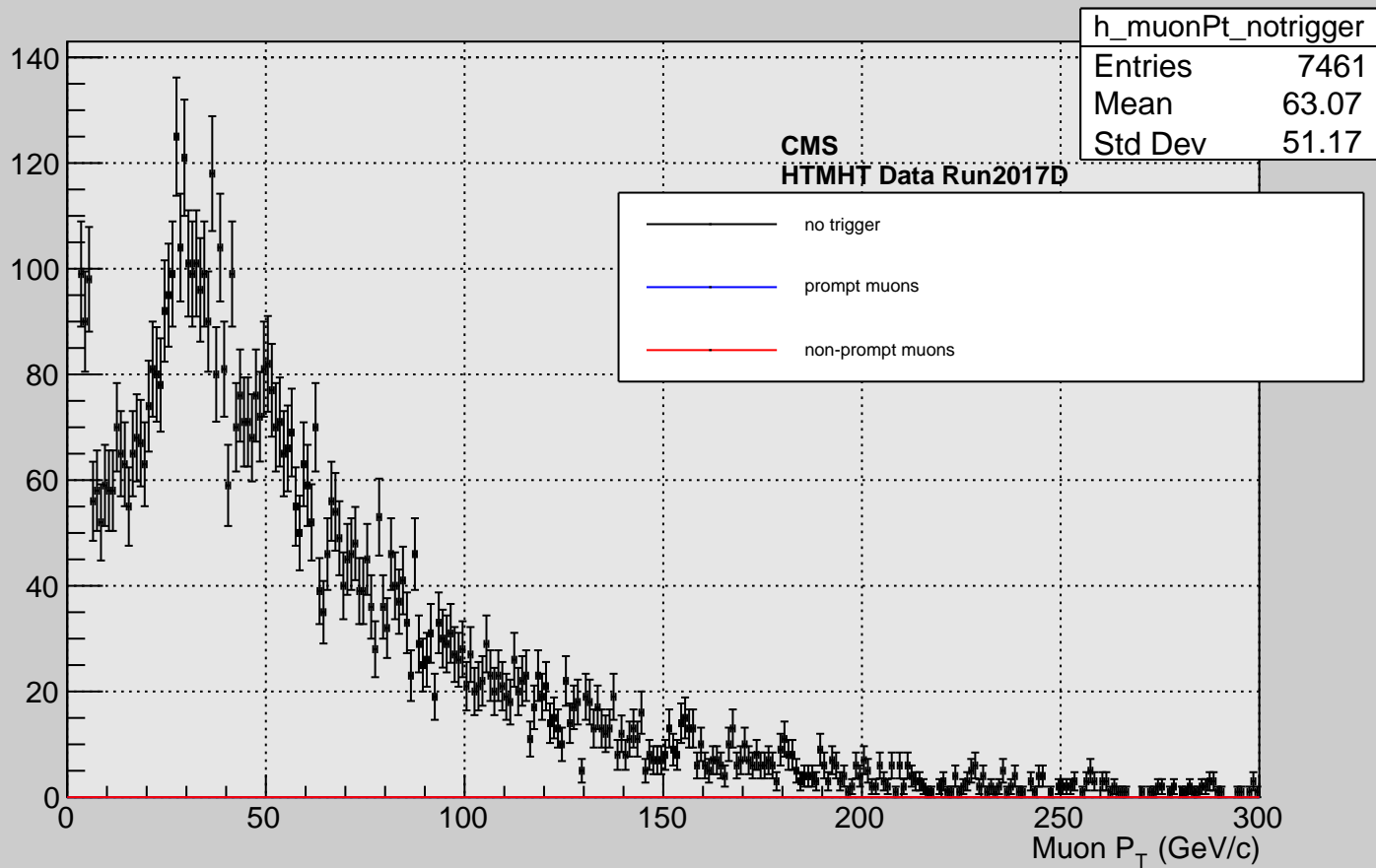


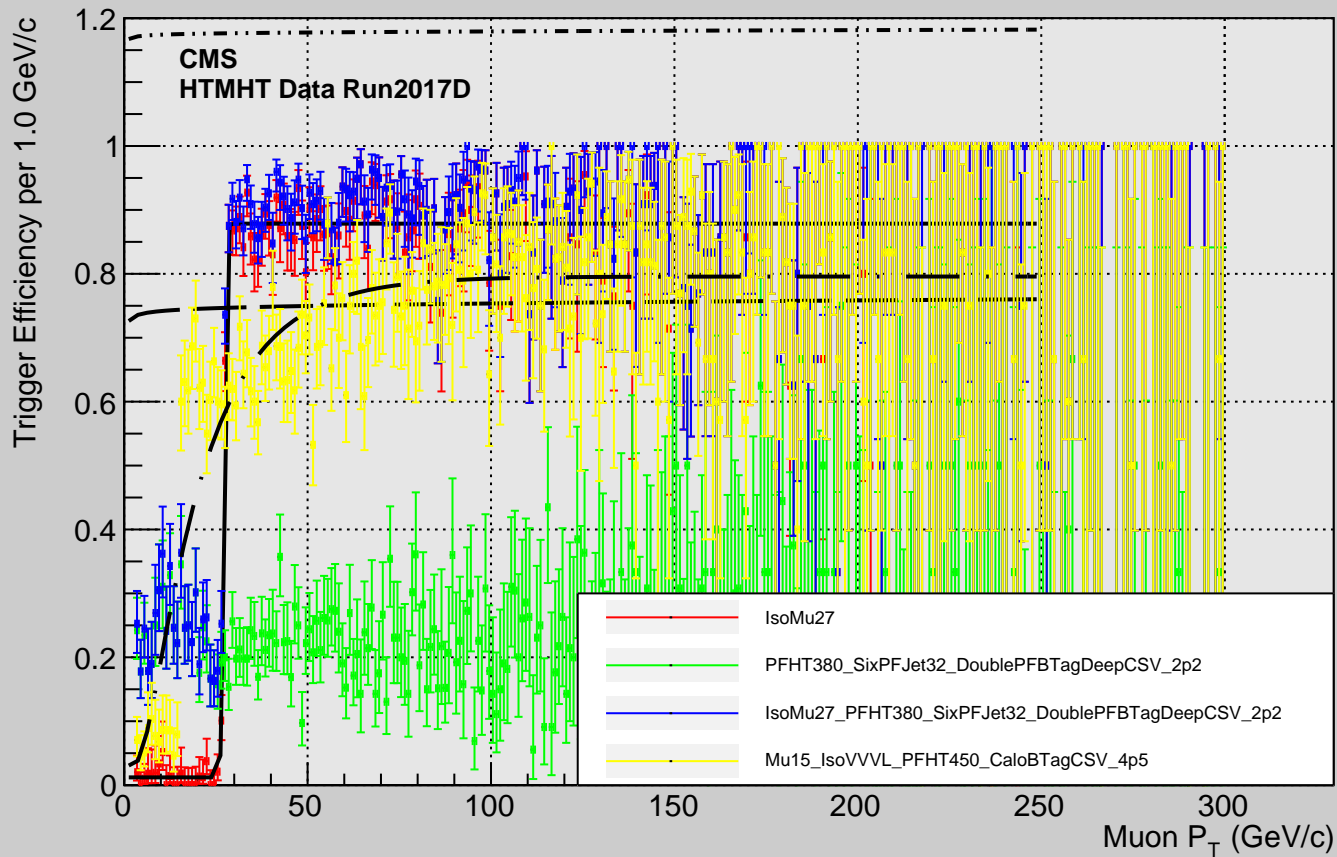


Number of Events per 1 GeV/c

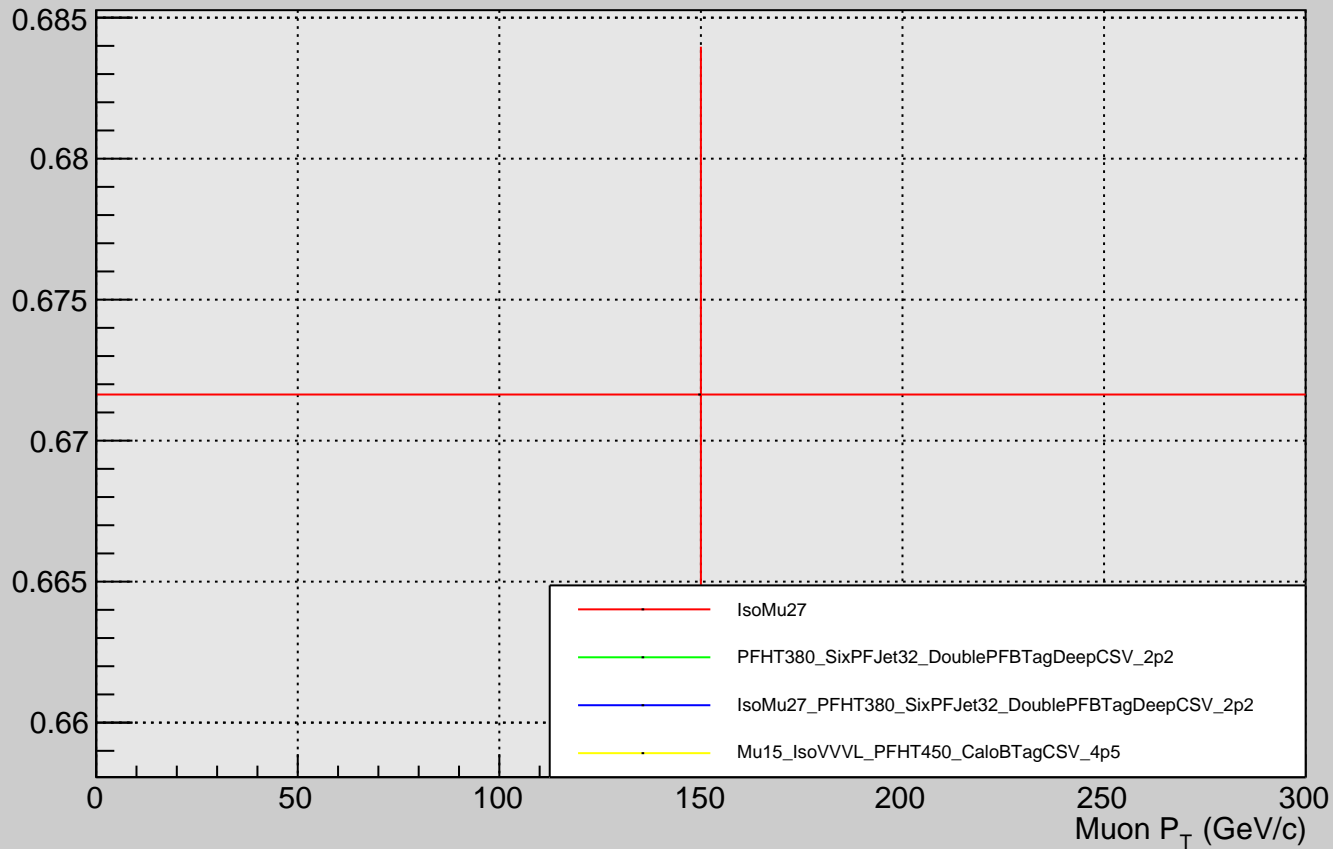


Number of Events per 1 GeV/c

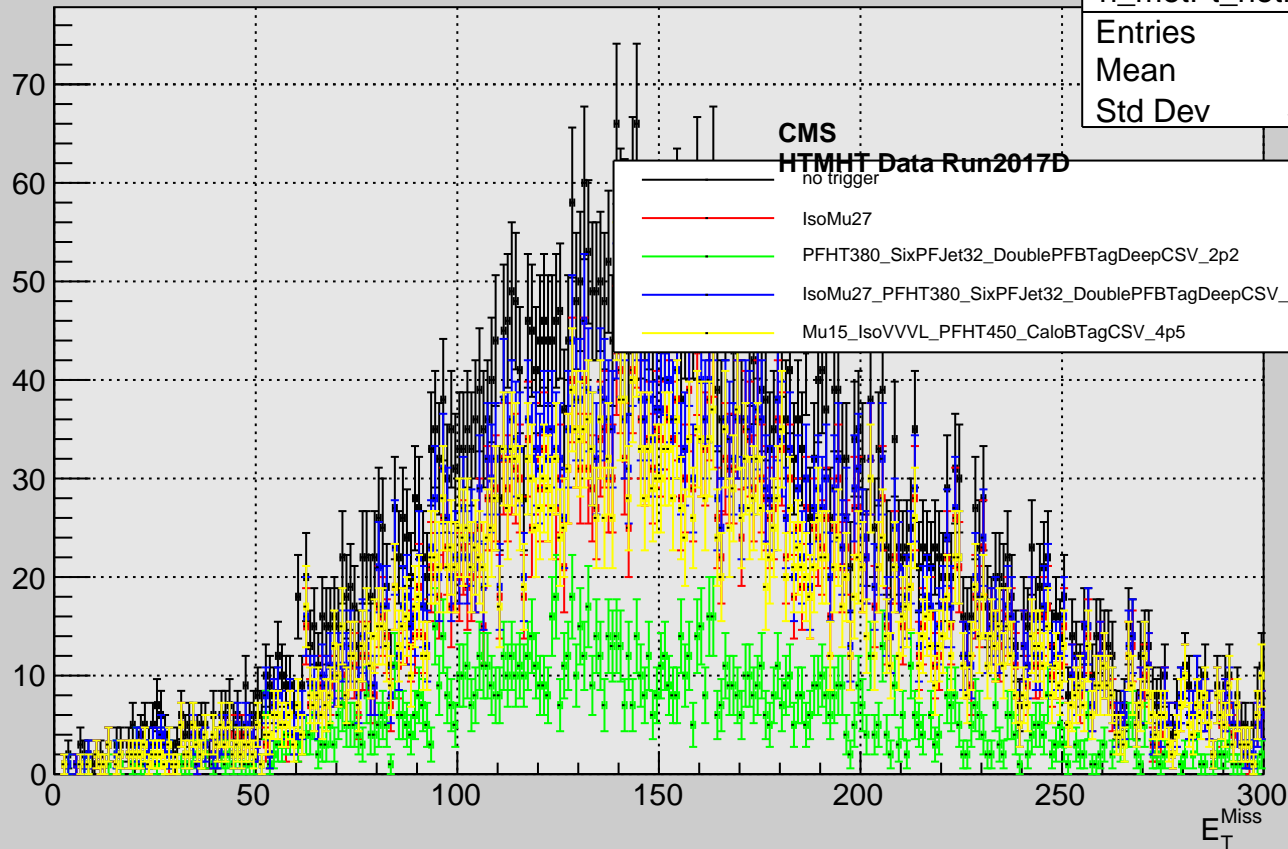




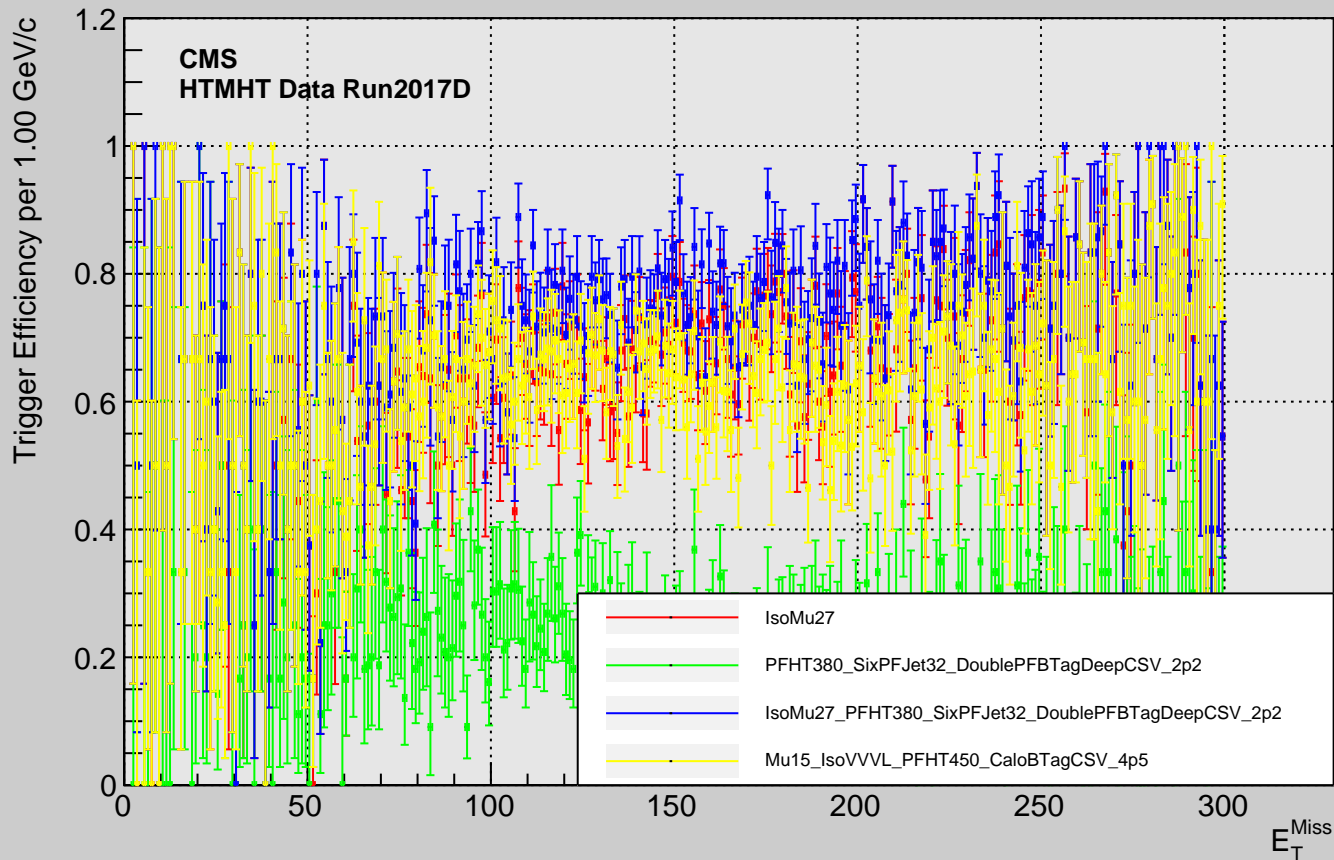
Trigger Efficiency per 300.00 GeV/c



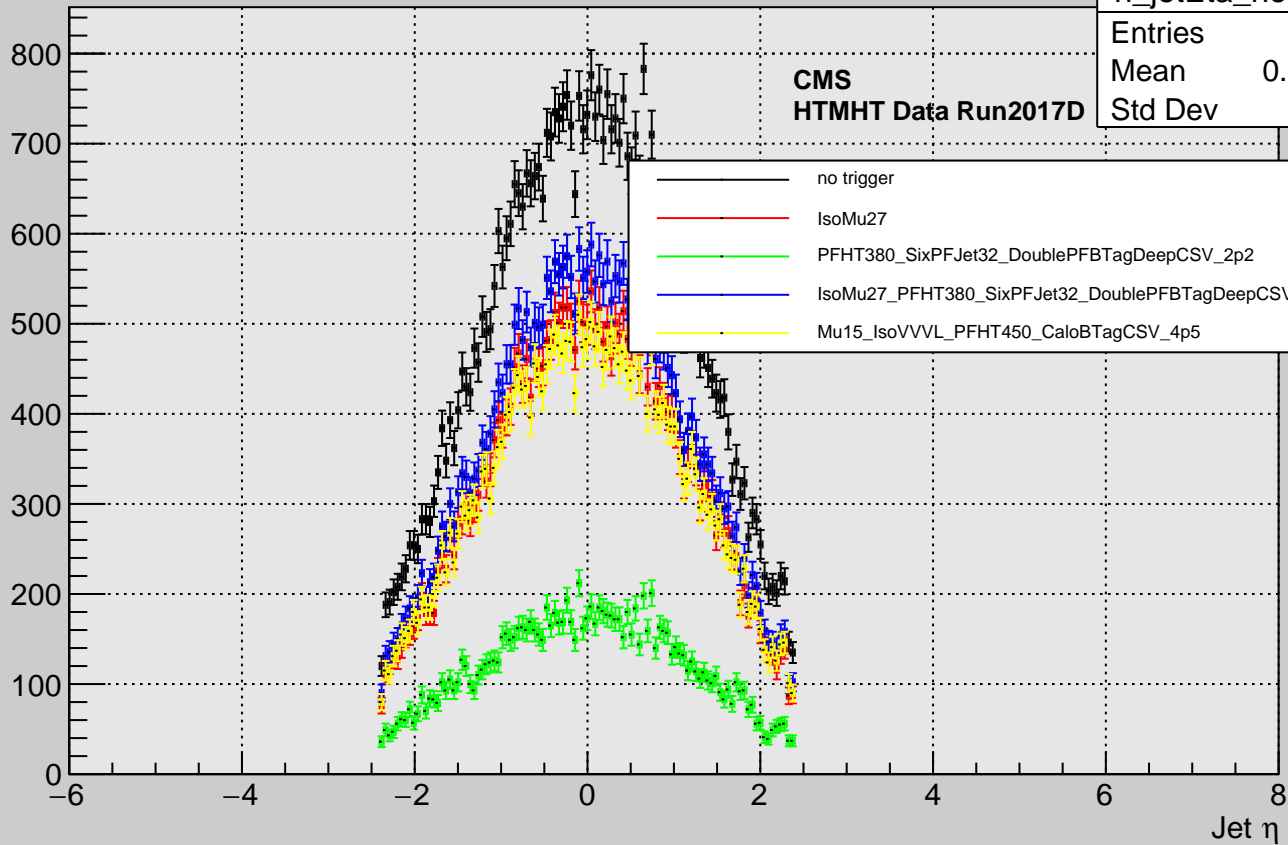
Number of Events per 1 GeV/c



h_metPt_notrigger	
Entries	7461
Mean	156.2
Std Dev	57.25



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



h_jetEta_notrigger	
Entries	50280
Mean	0.003121
Std Dev	1.121

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

