

On-line (pre-)selection Requisites for:

- **Jets:** number > 5 , $\text{jetId} > 2$ and $|\eta| < 2.4$
- **Muons:** number > 0 and has softId

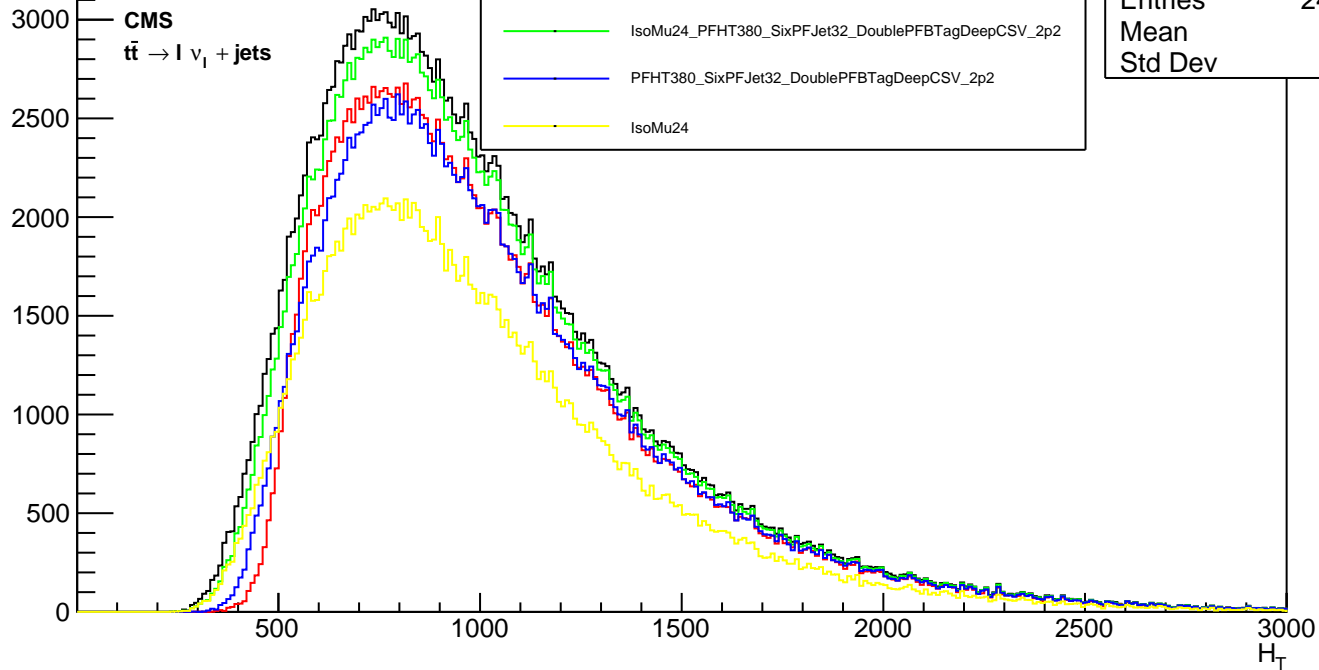
Event Limit: None (see last page)

Off-line (post-)selection Requisites for:

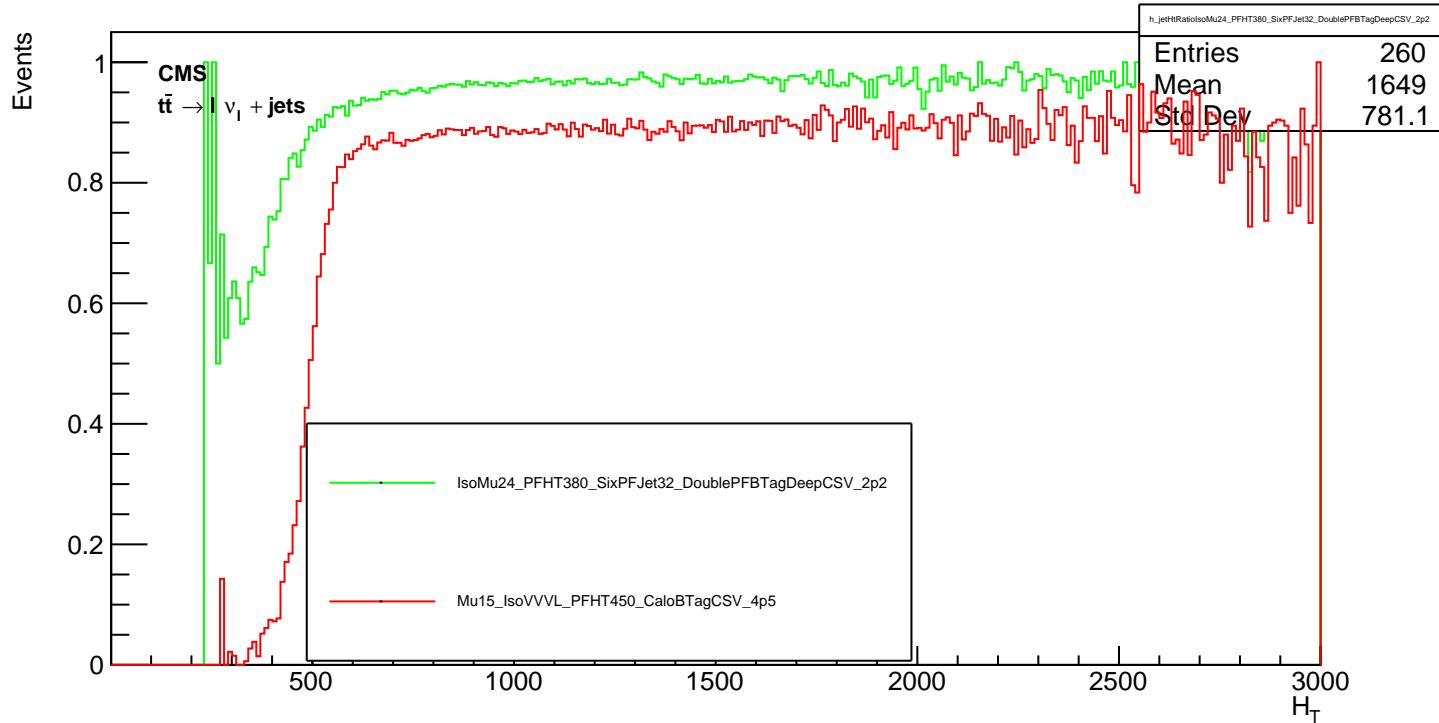
- **Jets:** $\text{jetId} > 2$, $p_T > 30$ and $|\eta| < 2.4$ (for at least 6)
 $\text{btagDeepFlavB} > 0.7489$ (for at least one jet)
- **Muons:** has tightId , $|\eta| < 2.4$ and $\text{miniPFRellso_all} < 0.15$ (for at least 1)

Events

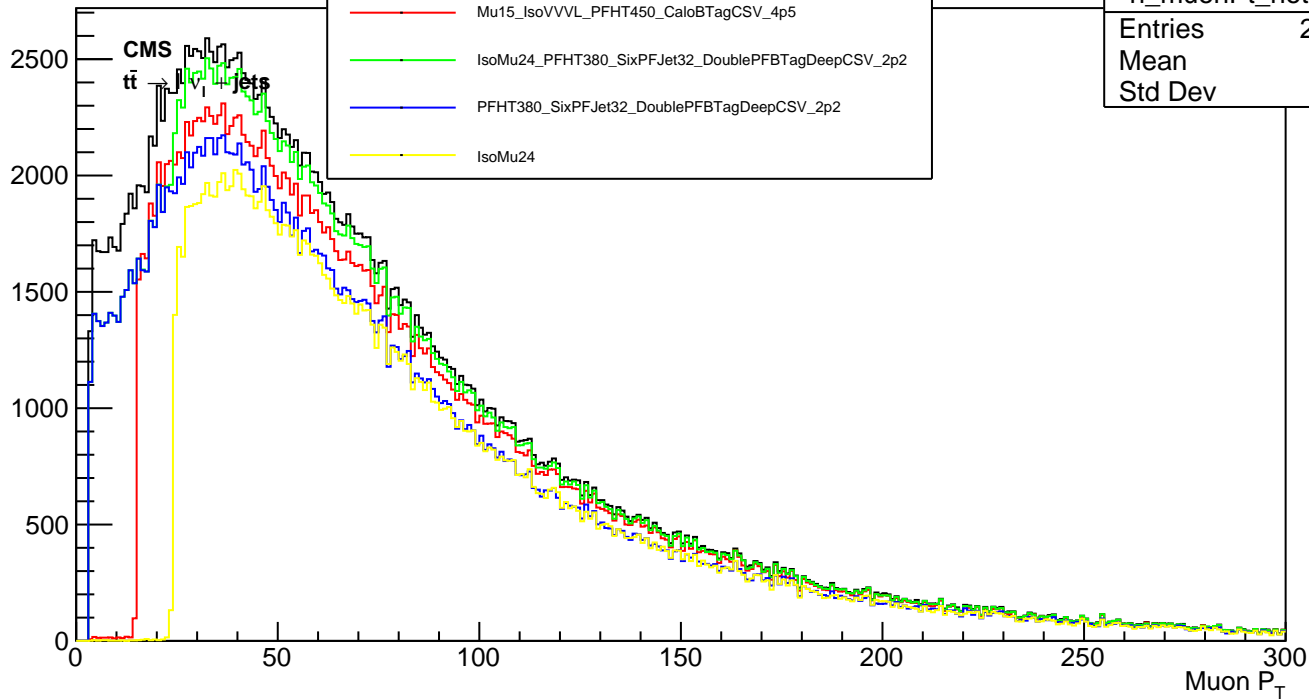
CMS
 $t\bar{t} \rightarrow l \nu_l + \text{jets}$



IsoMu24_PFH380_SixPFJet32_DoublePFBTagDeepCSV_2p2

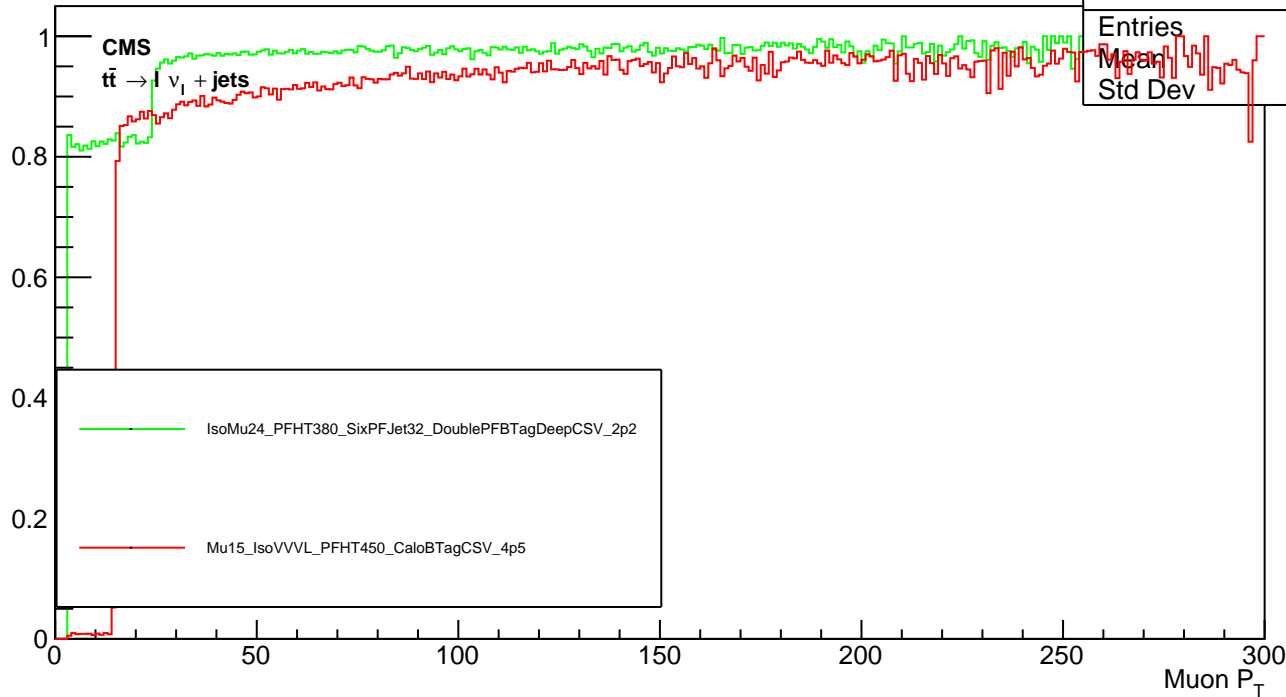


Events

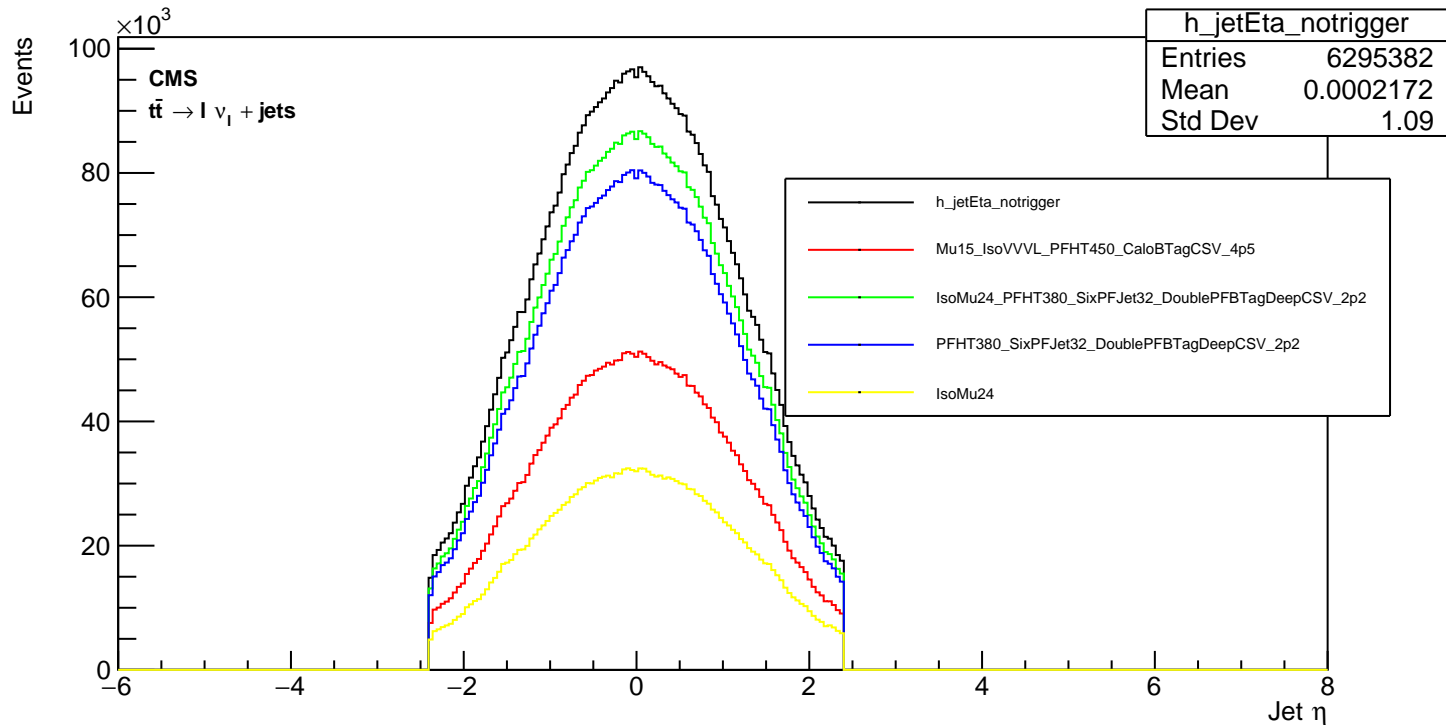


IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

Events

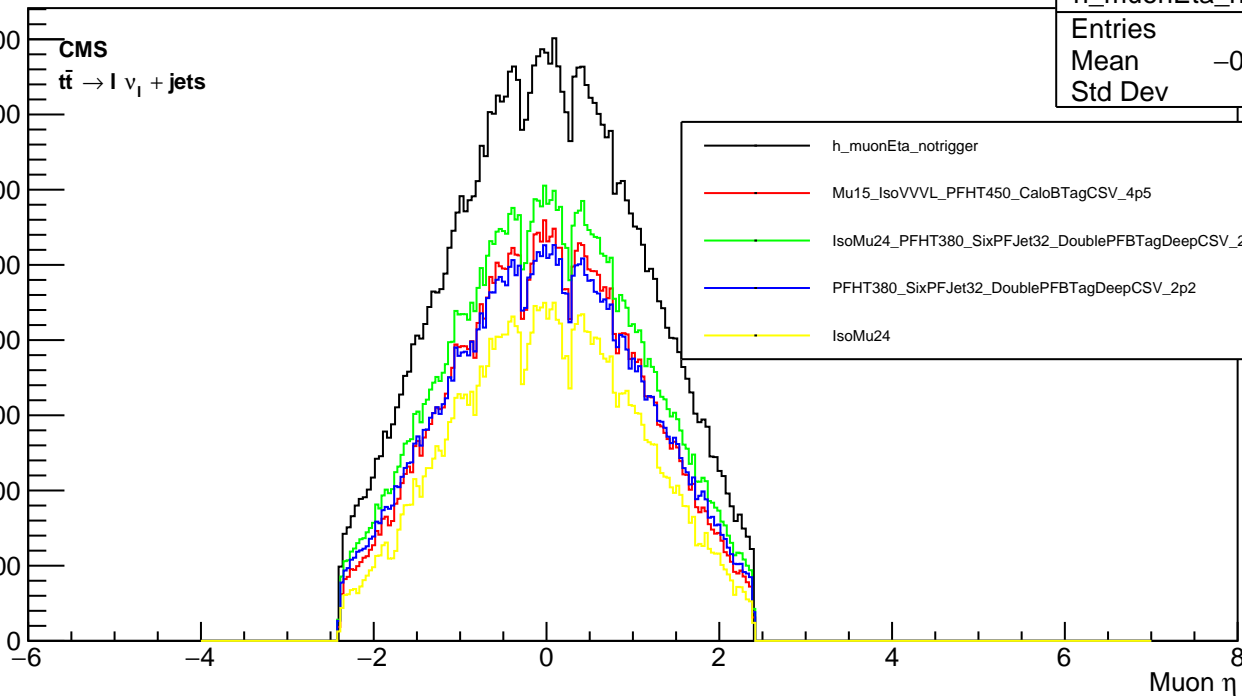


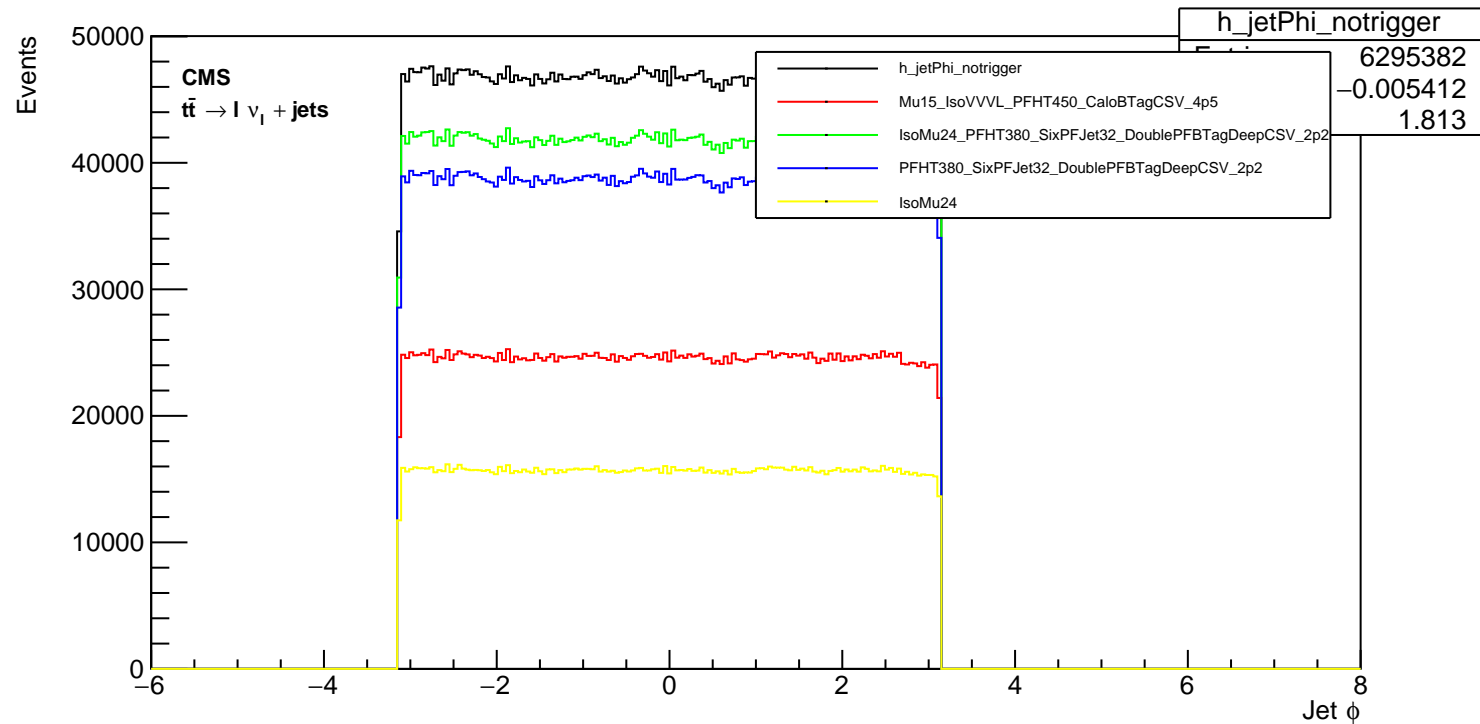
h_muonPRatioIsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2	
Entries	287
Mean	153.3
Std Dev	84.86



Events

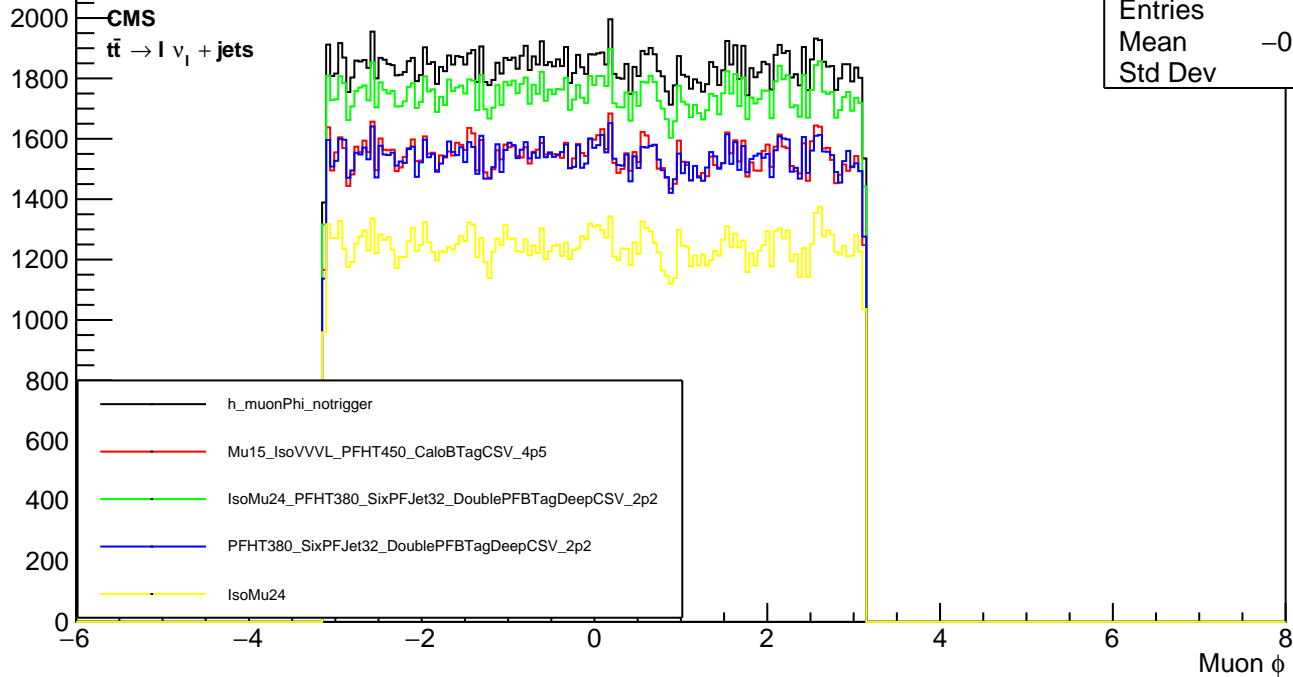
CMS

 $t\bar{t} \rightarrow l \nu_l + \text{jets}$ 4000
3500
3000
2500
2000
1500
1000
500
0



Events

CMS
 $t\bar{t} \rightarrow l \nu_l + \text{jets}$

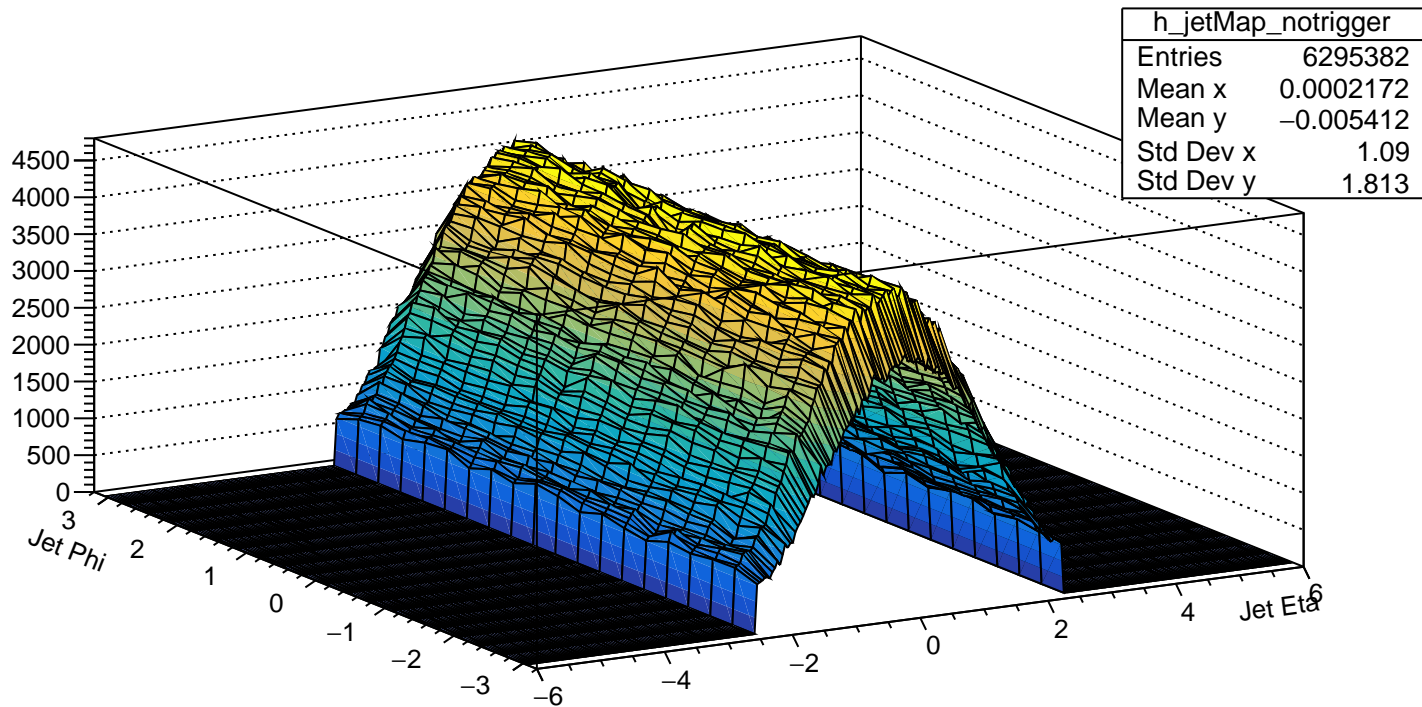


h_muonPhi_notrigger

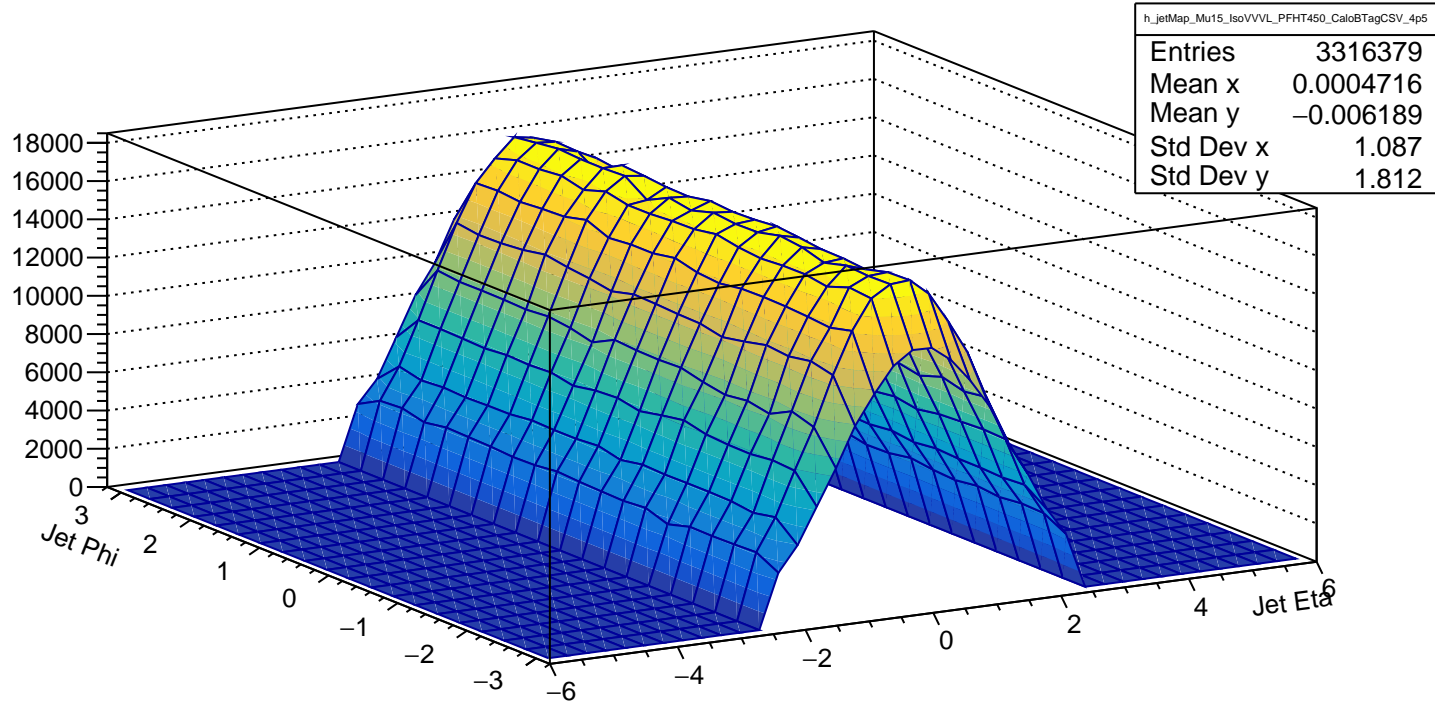
Entries 247736

Mean -0.007082

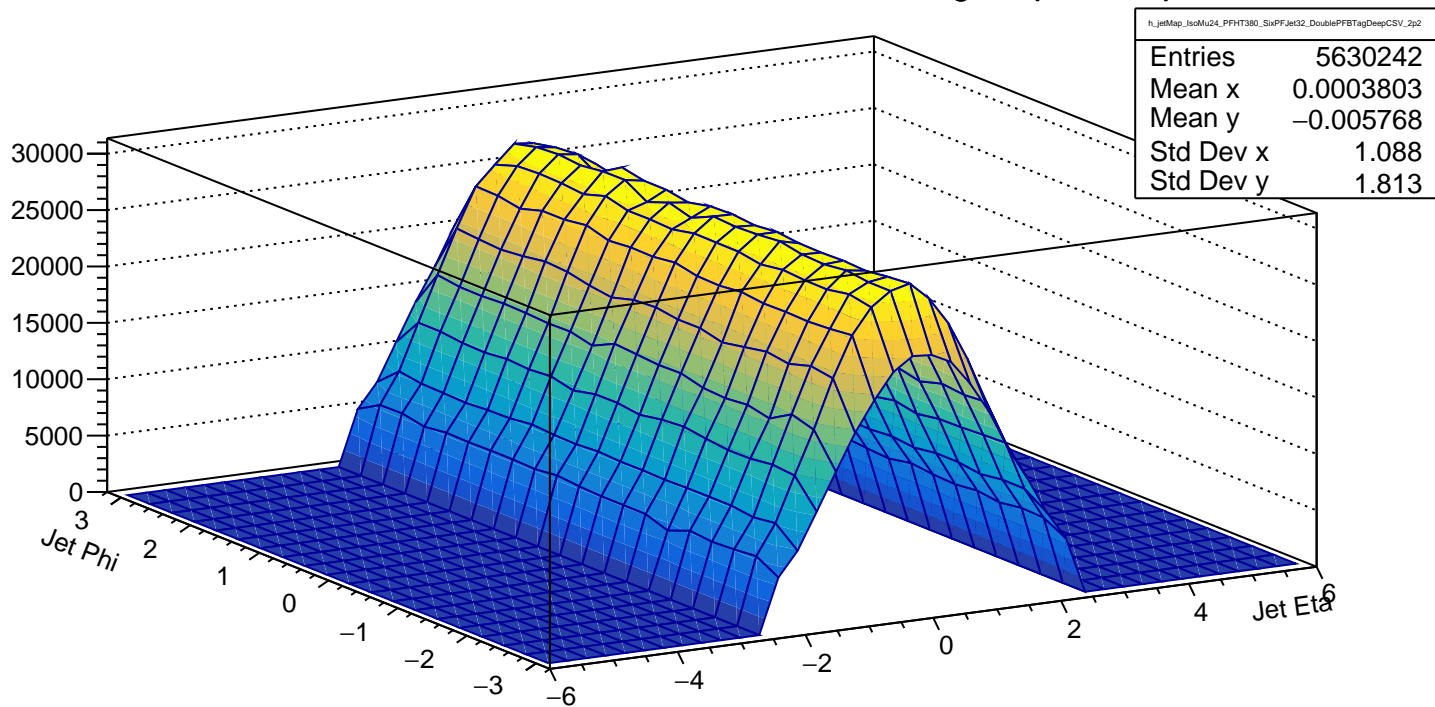
Std Dev 1.813



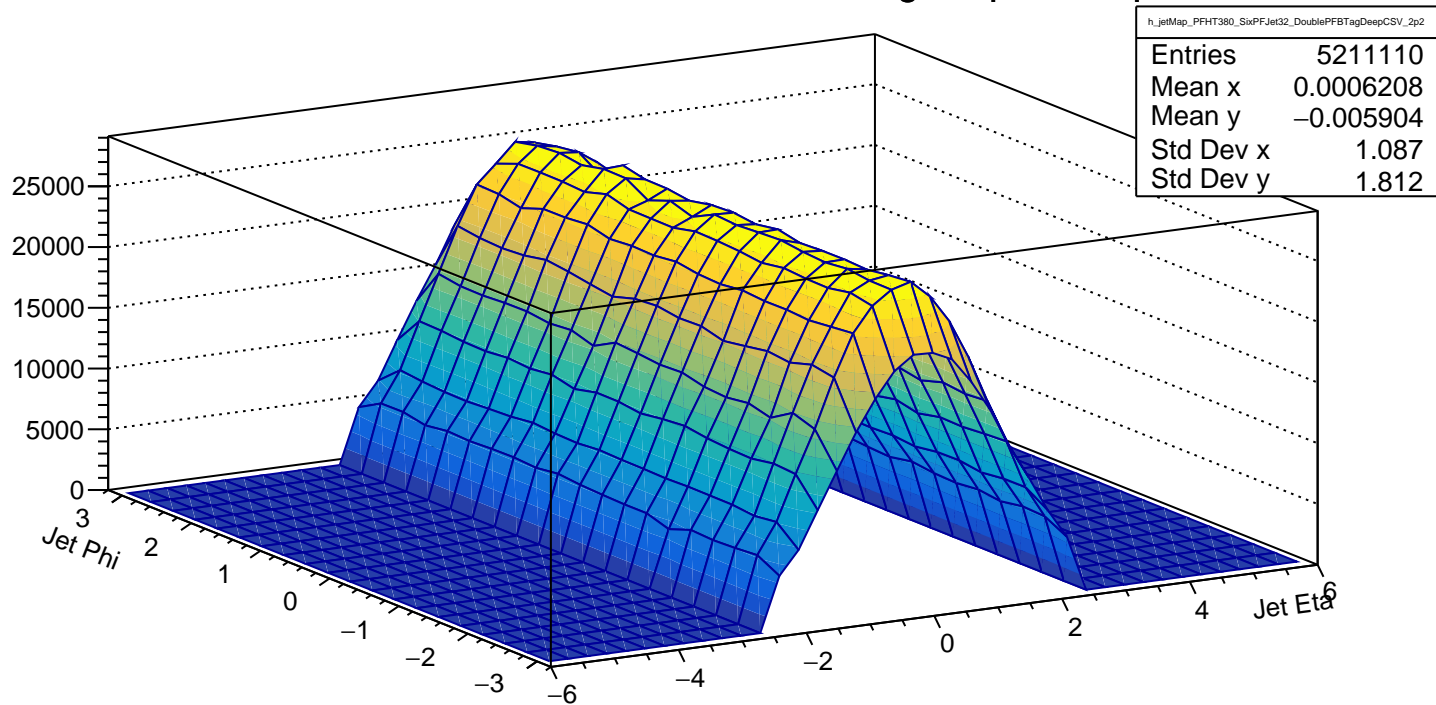
Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5



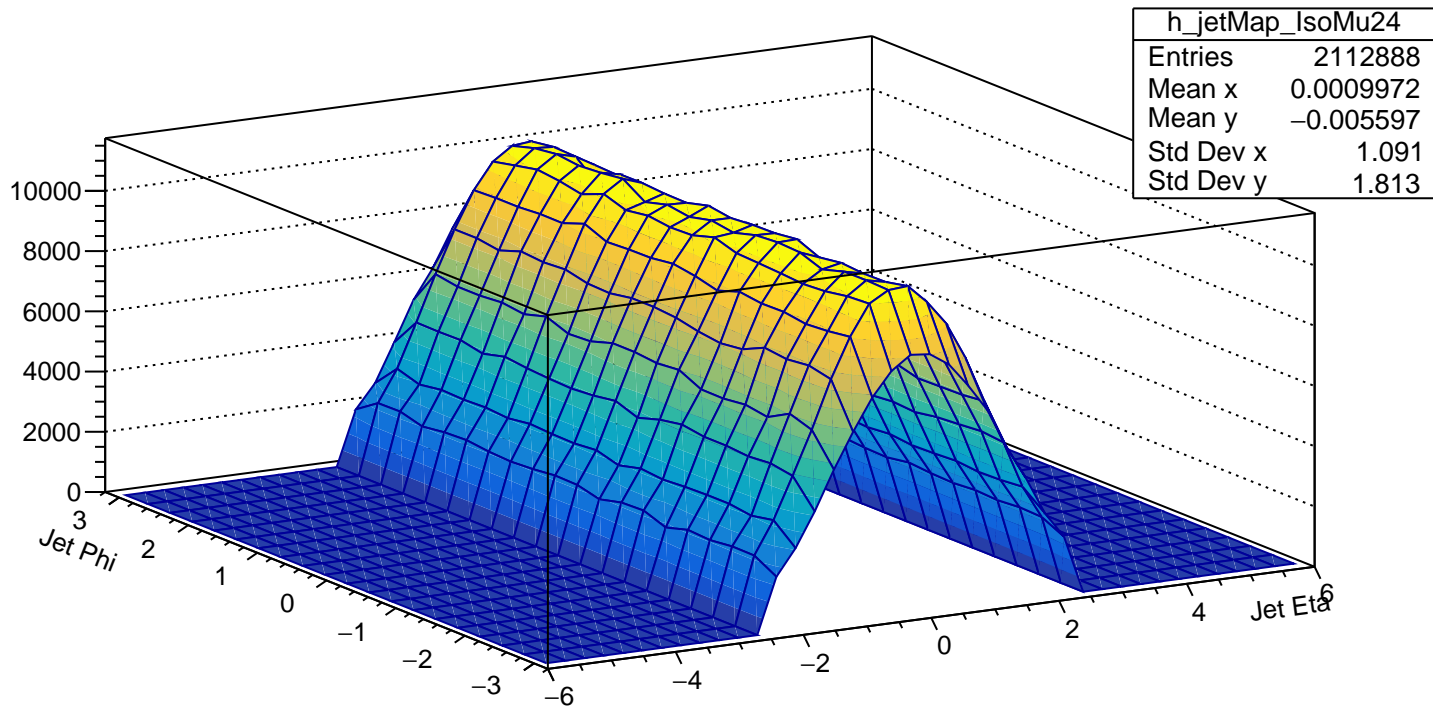
IsoMu24_PFH380_SixPFJet32_DoublePFBTagDeepCSV_2p2

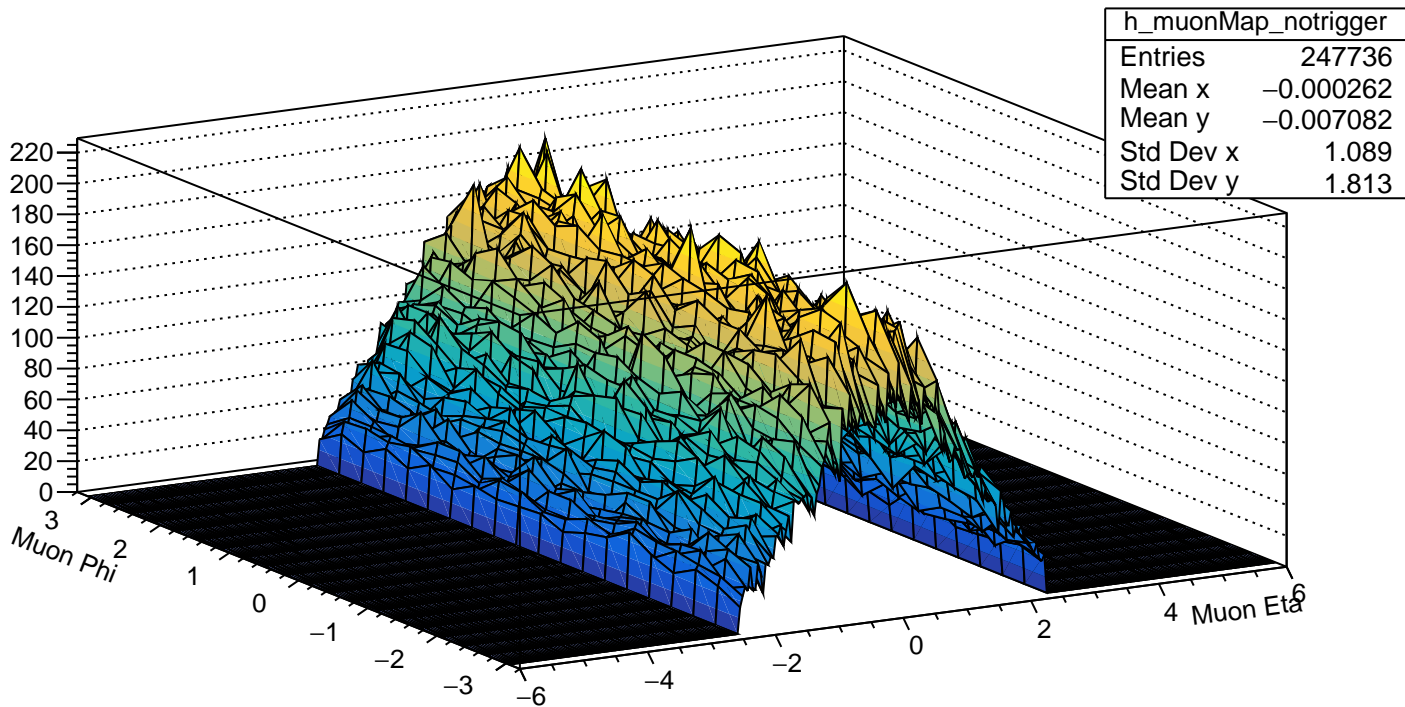


PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

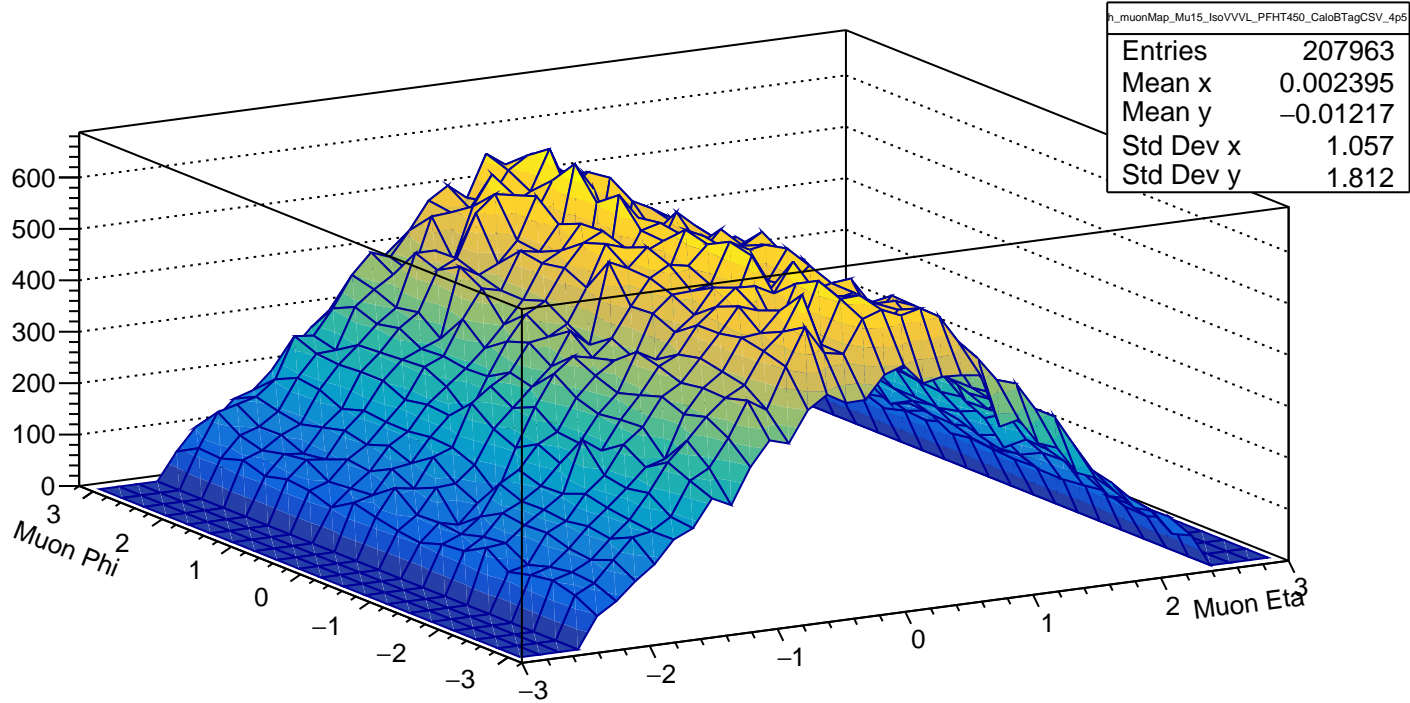


IsoMu24

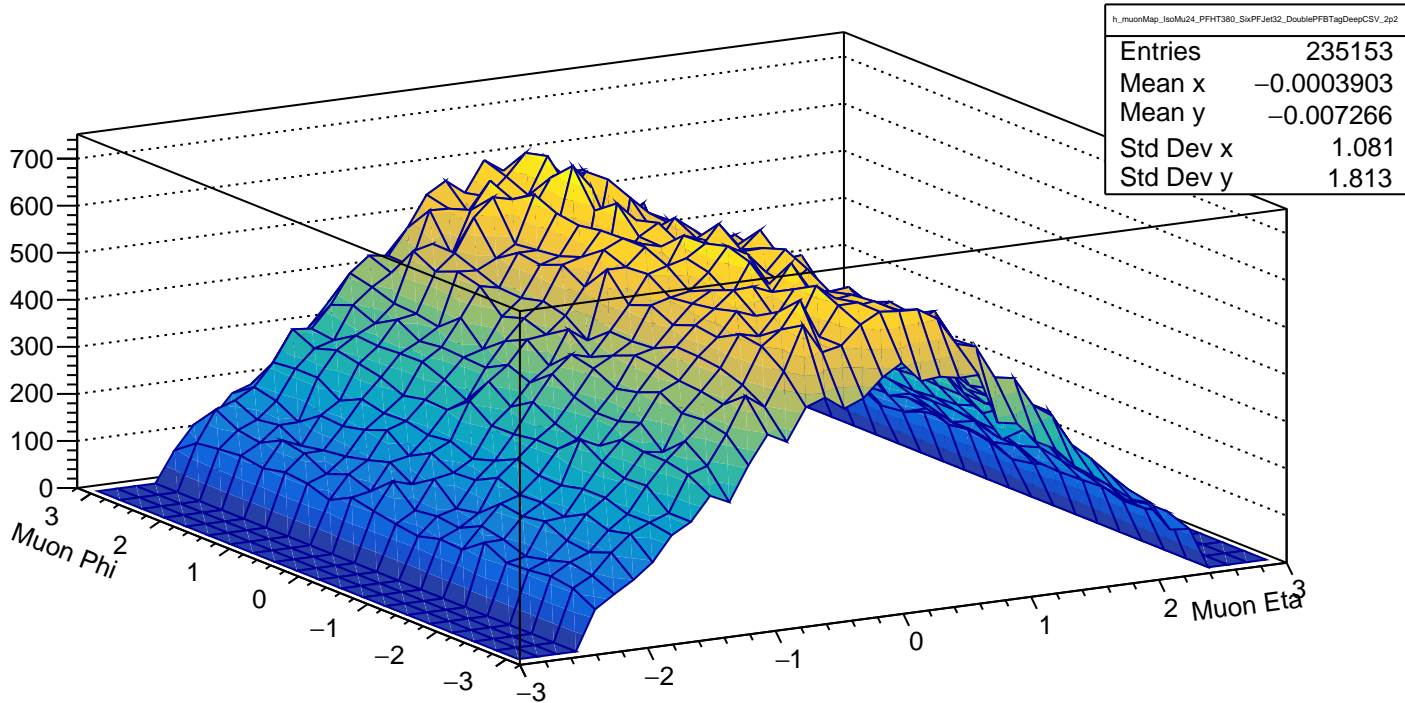




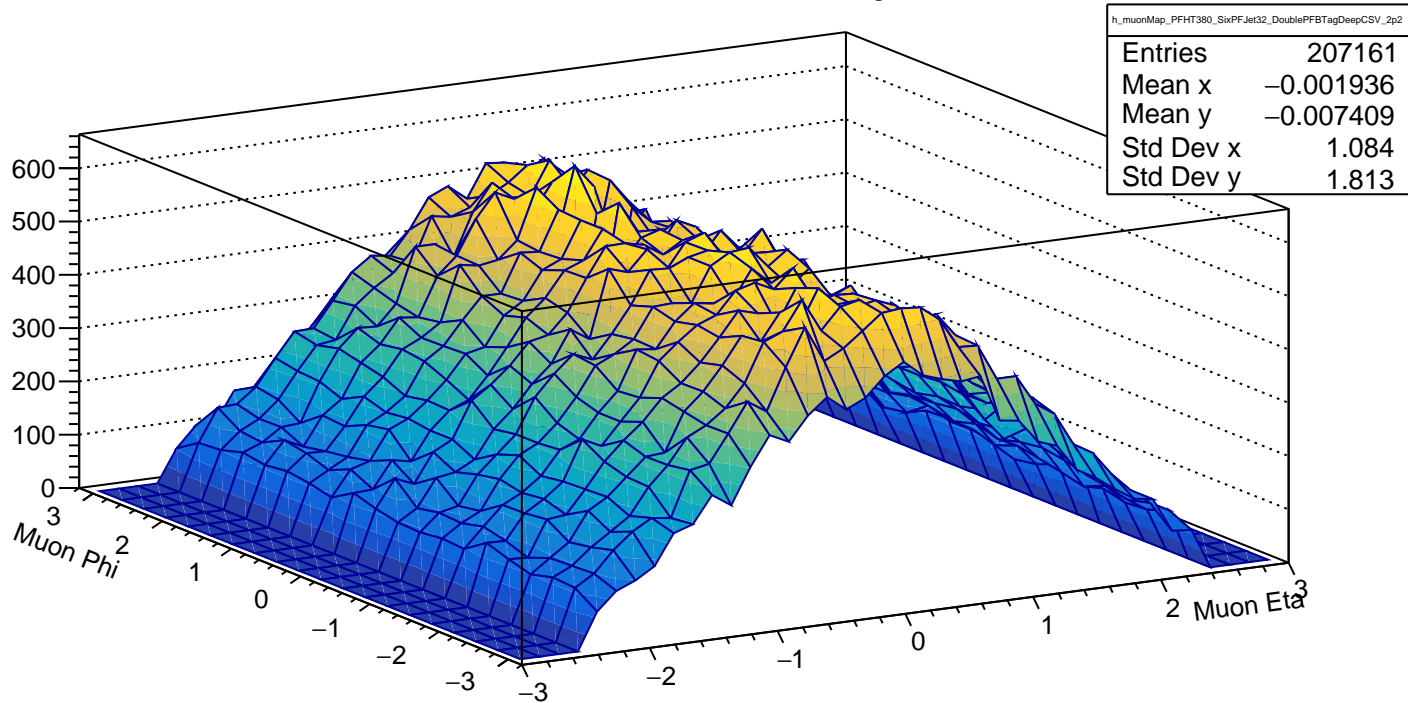
Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5



IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



IsoMu24

