

On-line (pre-)selection Requisites:

$n_{\text{Jet}} > 5 \ \&\& \ \text{Jet.jetId} > 2 \ \&\& \ \text{abs}(\text{Jet.eta}) < 2.4 \ \&\&$

$(\ n_{\text{Muon}} > 0 \ || \ n_{\text{Electron}} > 0 \) \ \&\& \ \text{Muon.softId} == 1$

Event Limit : None

Off-line (post-)selection Requisites:

#bold{On-line (pre-)selection Requisites:}

♠ (muon5 > 0 or JEJetId > 2 and abs(muon5 < 2) == 1

#bold{Event Limit: } None (see last page)

#bold{Off-line (post-)selection Requisites:}

- **jet.jetId > 2 or jet.pt > 30 or jet $|\eta|$ < 2.4 for at least 6 jets**
- **jet.btagDeepFlavB > 0.7489 for at least one jet**
- **muontightId=True and muon $|\eta|$ < 2.4 and muon.miniPFRellso_all < 0.1**

#bold{On-line (pre-)selection Requisites:}

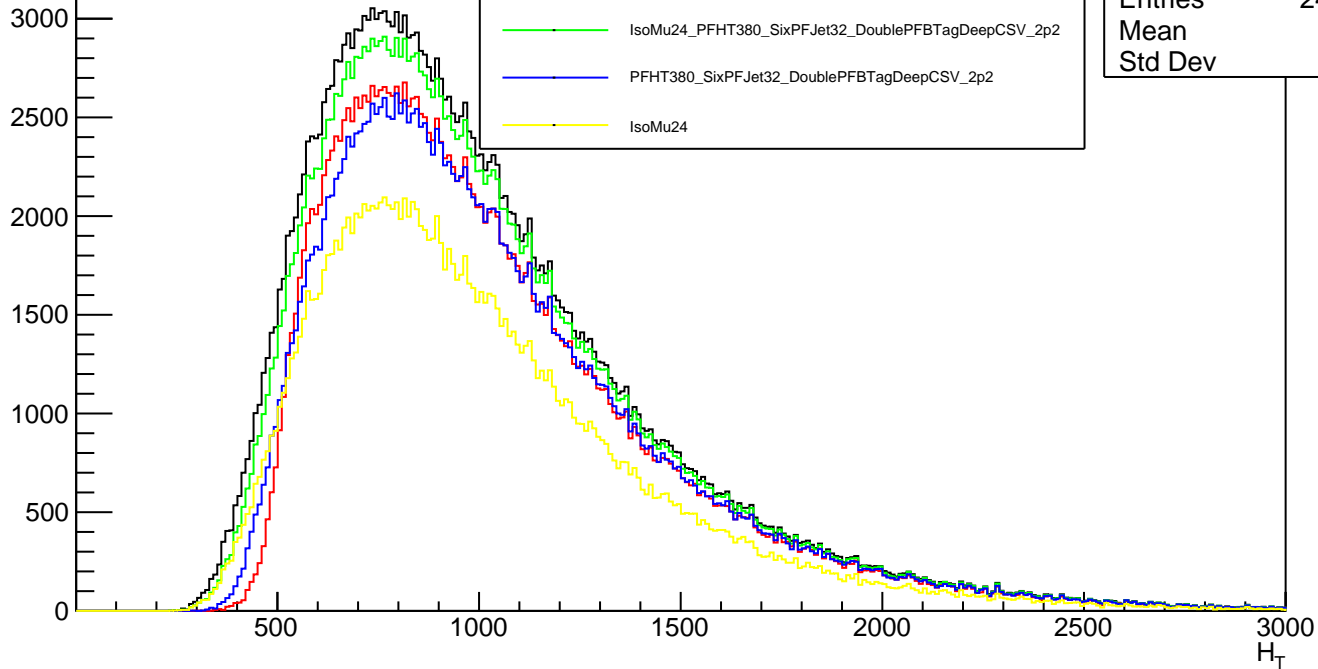
♠ (muon5 > 0 or JetEJetId > 0) and (Muon5 < 24 == 1

#bold{Event Limit: } None (see last page)

#bold{Off-line (post-)selection Requisites:}

- **jet.jetId > 2 or jet.pt > 30 or jet $|\eta|$ < 2.4 for at least 6 jets**
- **jet.btagDeepFlavB > 0.7489 for at least one jet**
- **muontightId=True and muon $|\eta|$ < 2.4 and muon.miniPFRellso_all < 0.1**

Events



h_jetHt_nottrigger

Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

IsoMu24

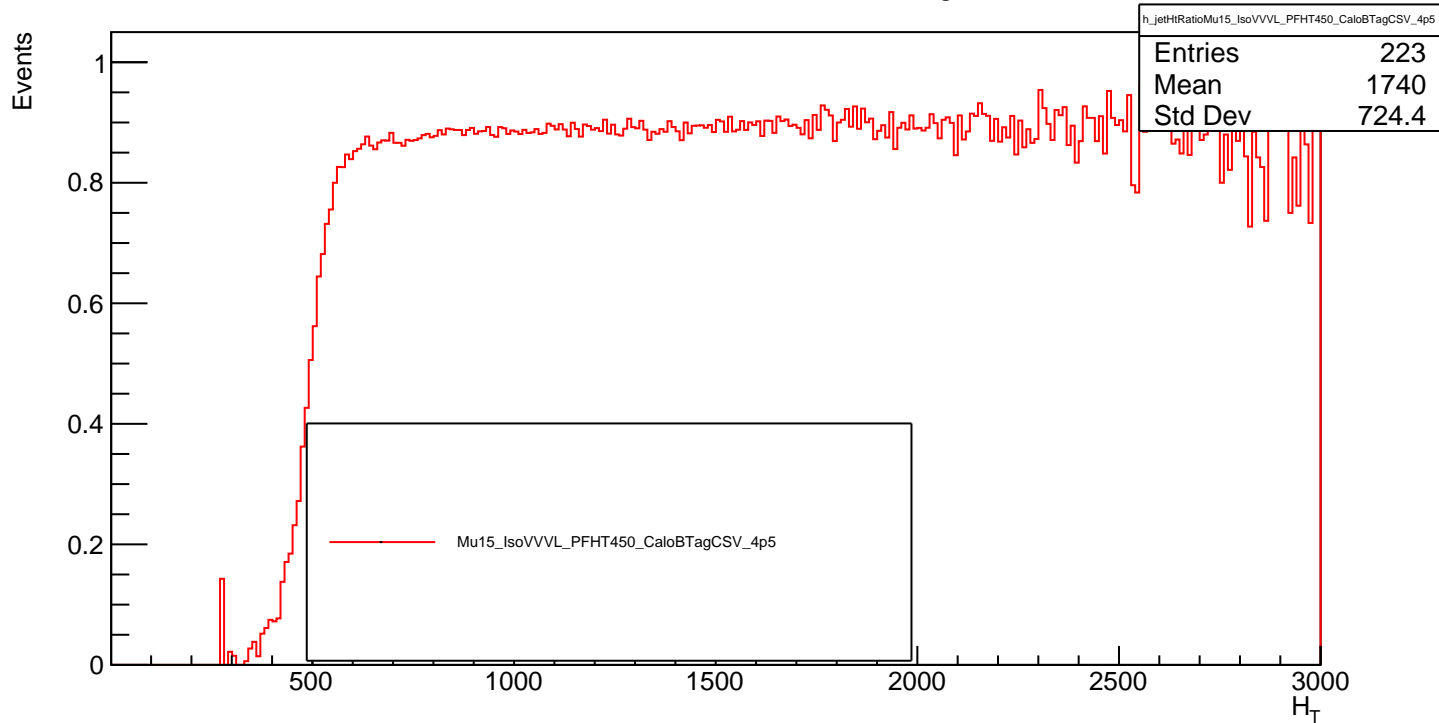
h_jetHt_nottrigger

Entries 247736

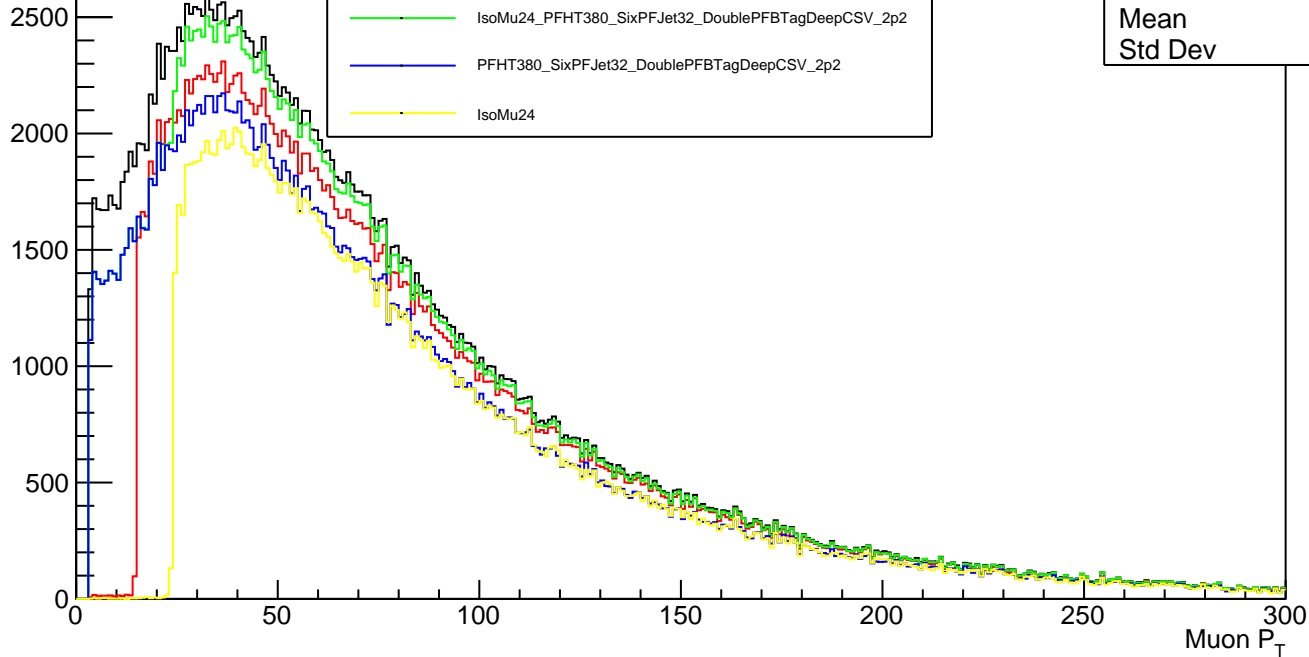
Mean 1004

Std Dev 417.3

Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5



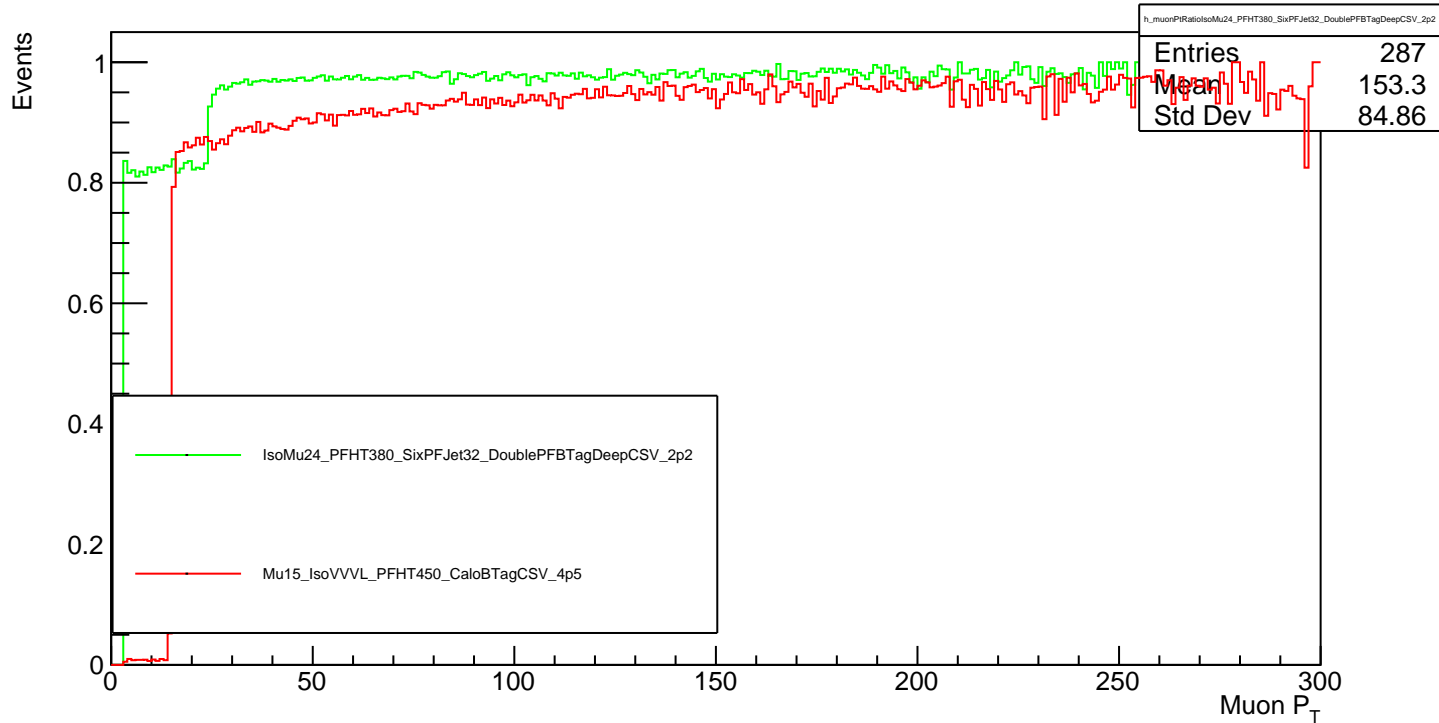
Events



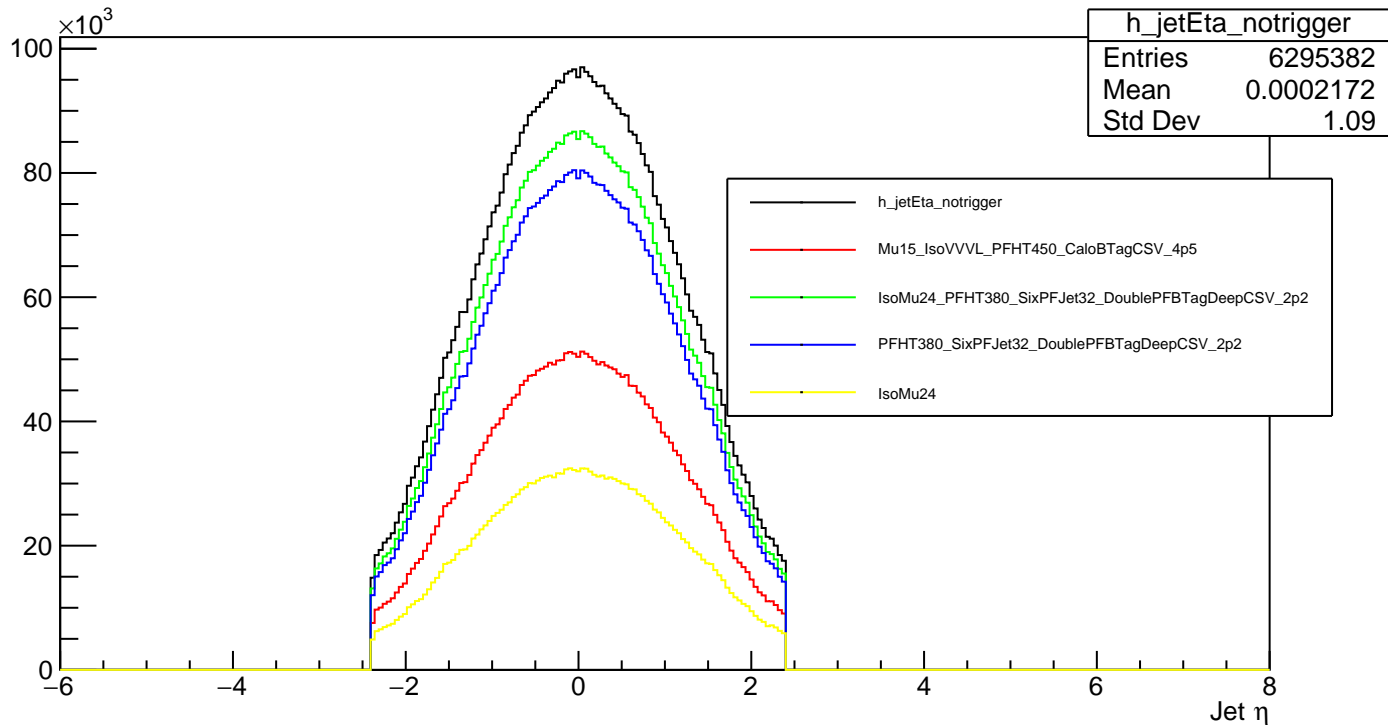
h_muonPt_notrigger

Entries	247736
Mean	73.34
Std Dev	55.88

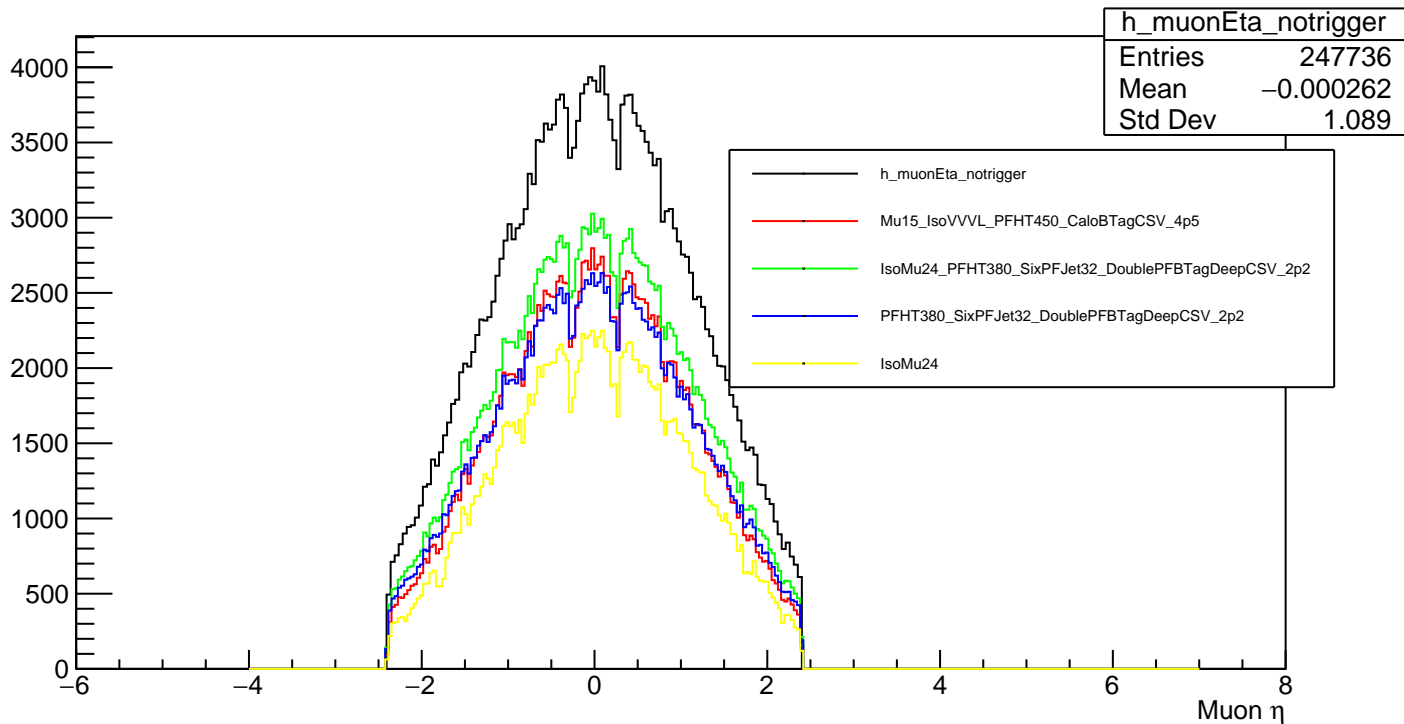
IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2

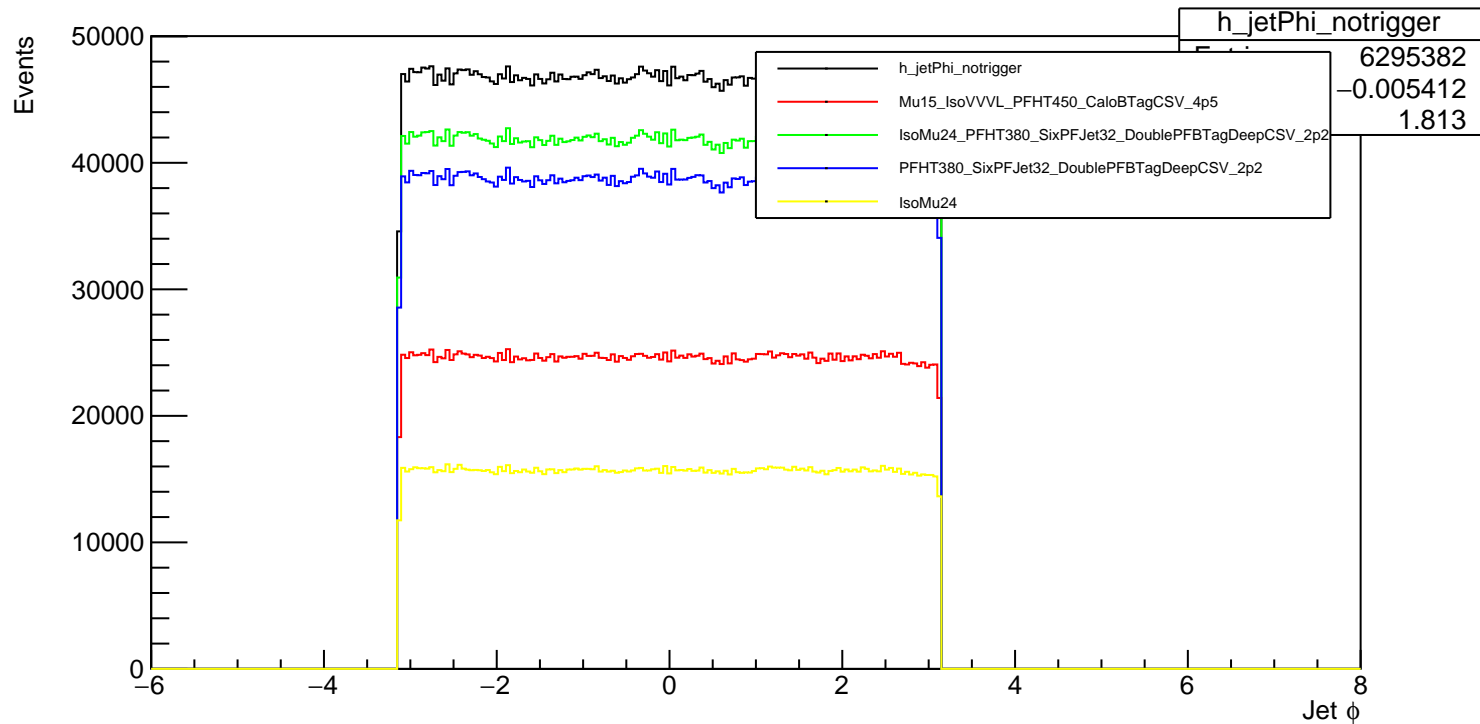


Events

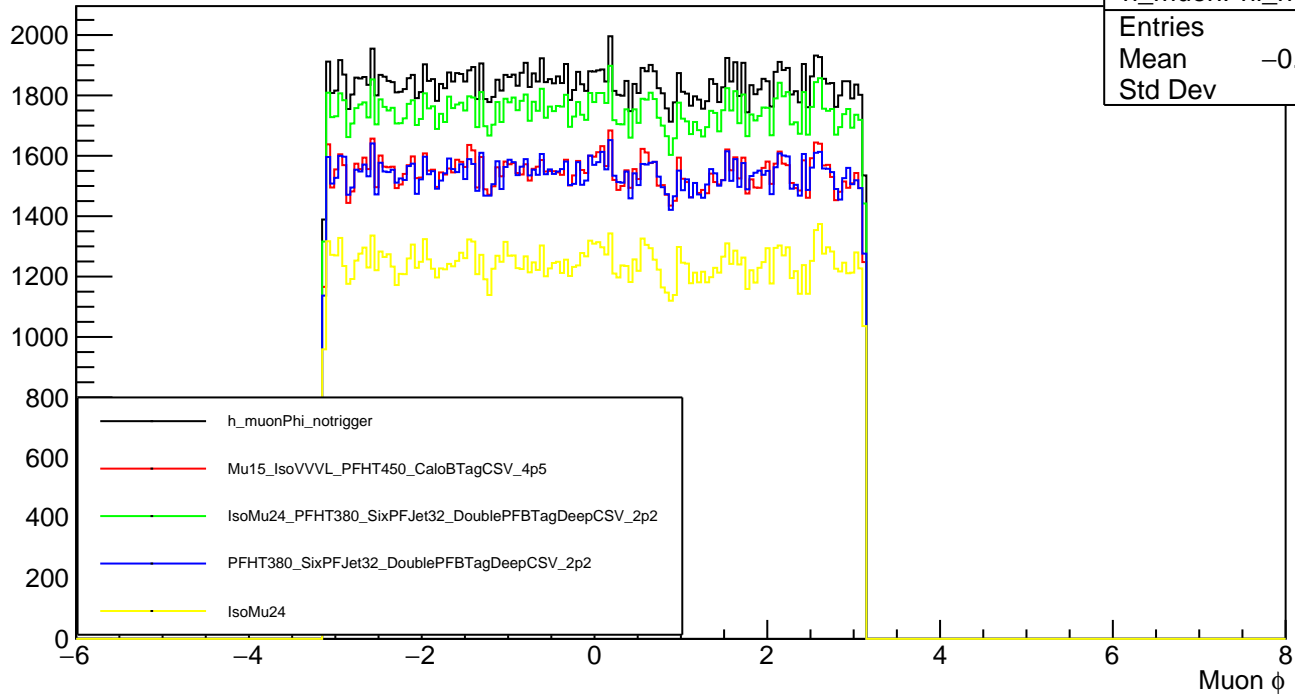


Events

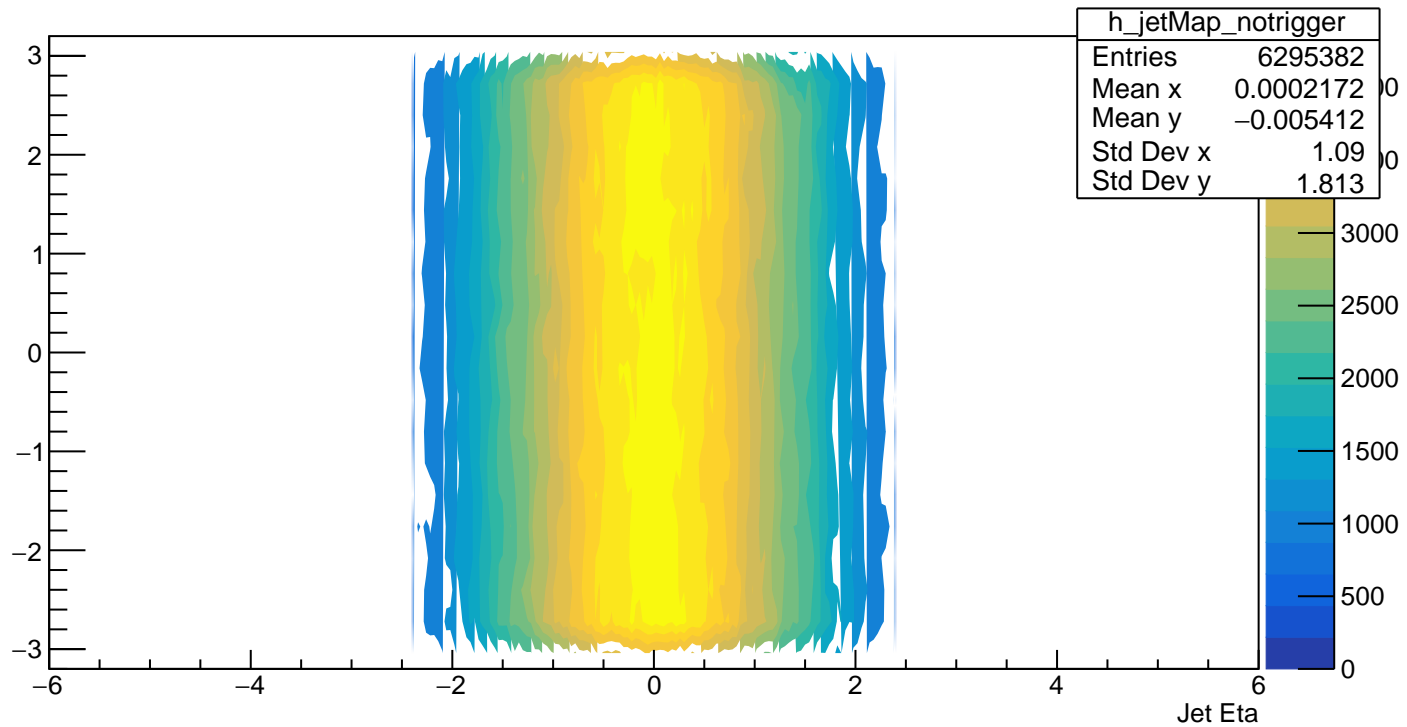




Events

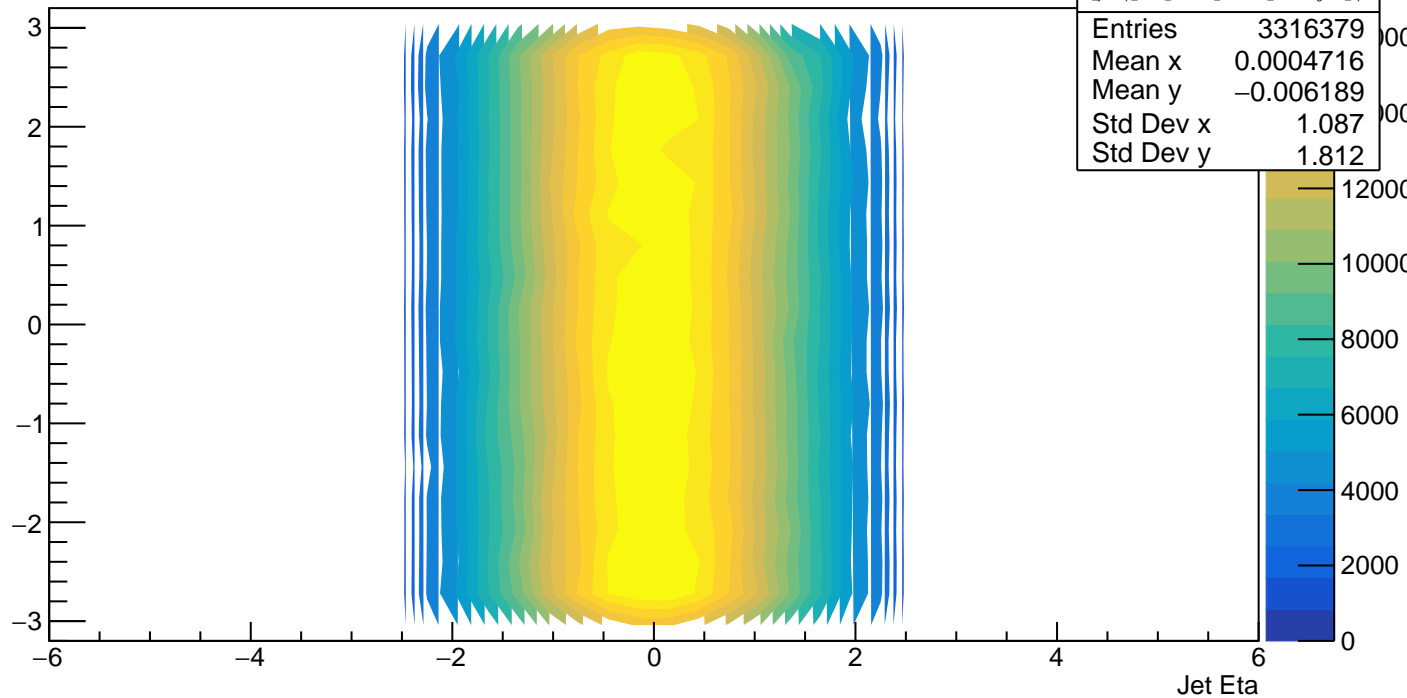


Jet Phi

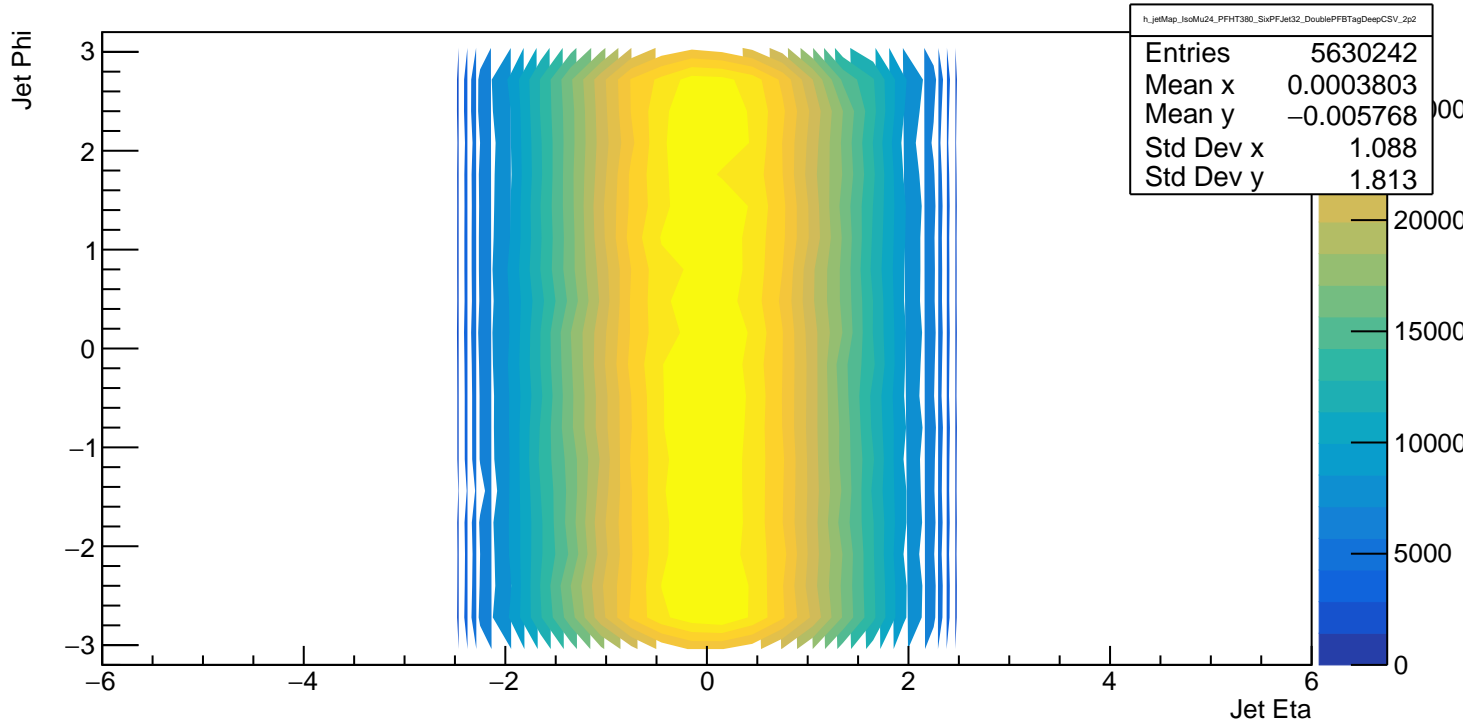


Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5

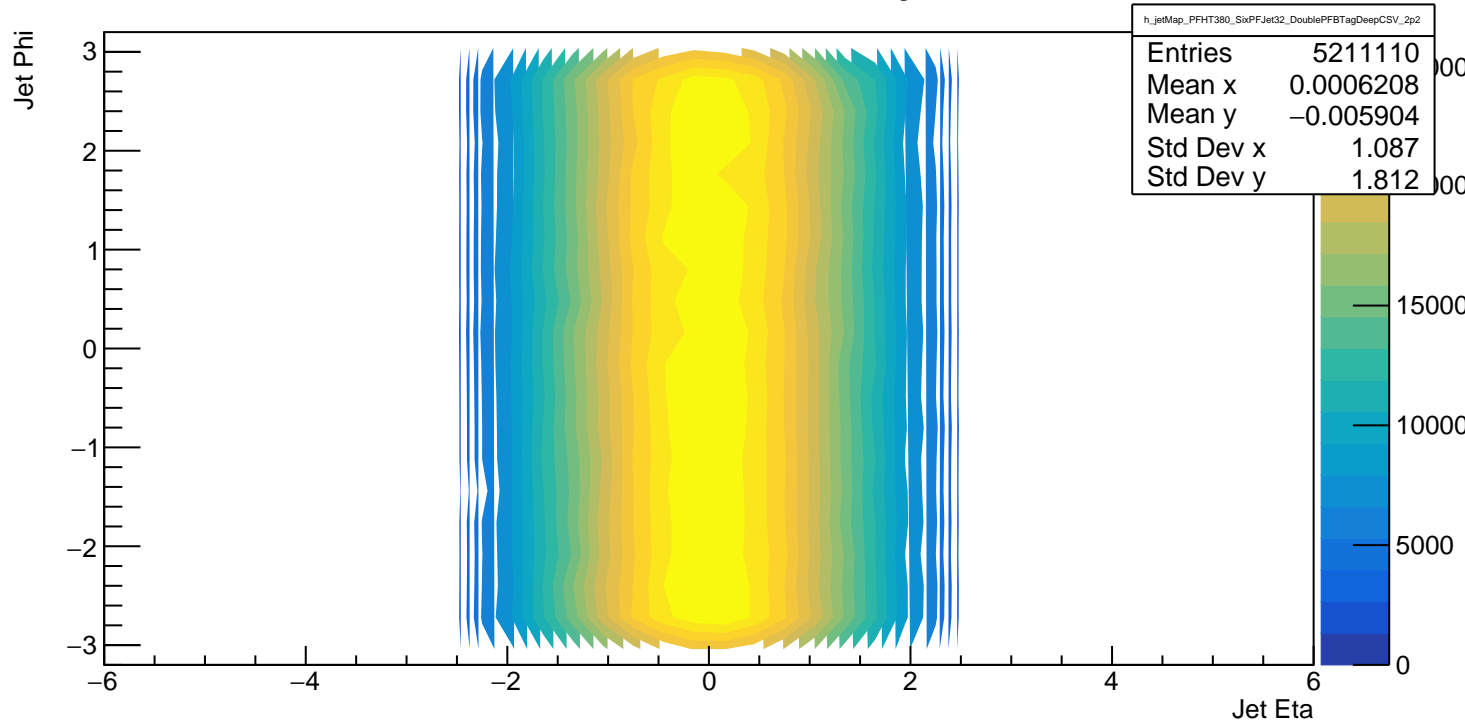
Jet Phi



IsoMu24_PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



IsoMu24

Jet Phi

3
2
1
0
-1
-2
-3

-6

-4

-2

0

2

4

6

Jet Eta

h_jetMap_IsoMu24

Entries	2112888
Mean x	0.0009972
Mean y	-0.005597
Std Dev x	1.091
Std Dev y	1.813

10000

8000

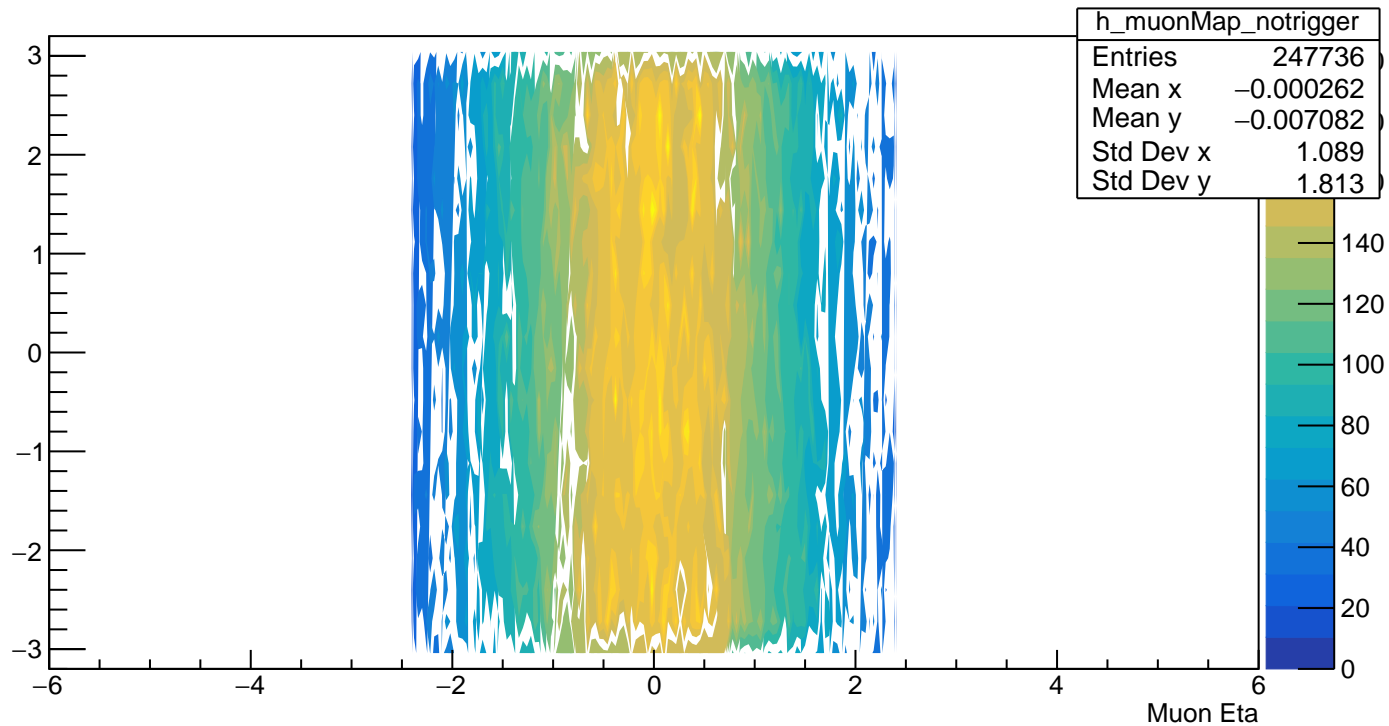
6000

4000

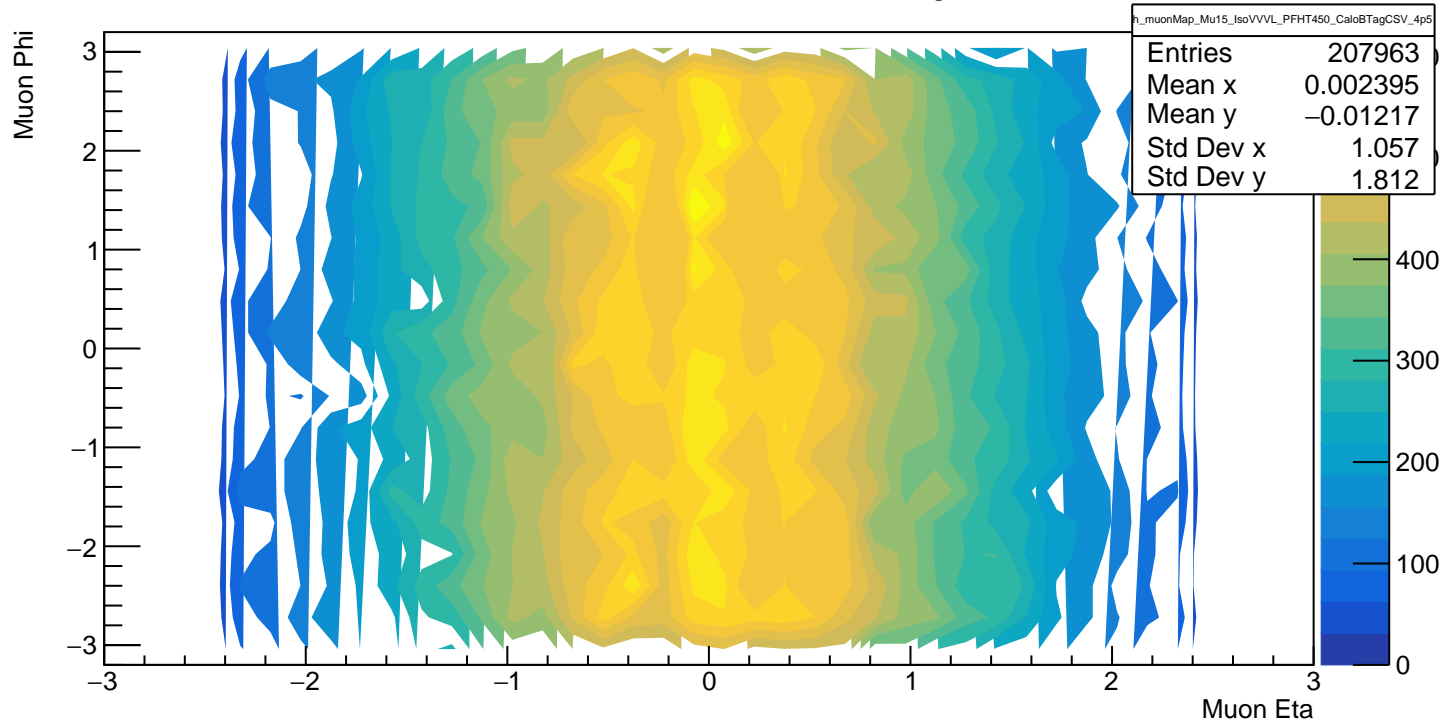
2000

0

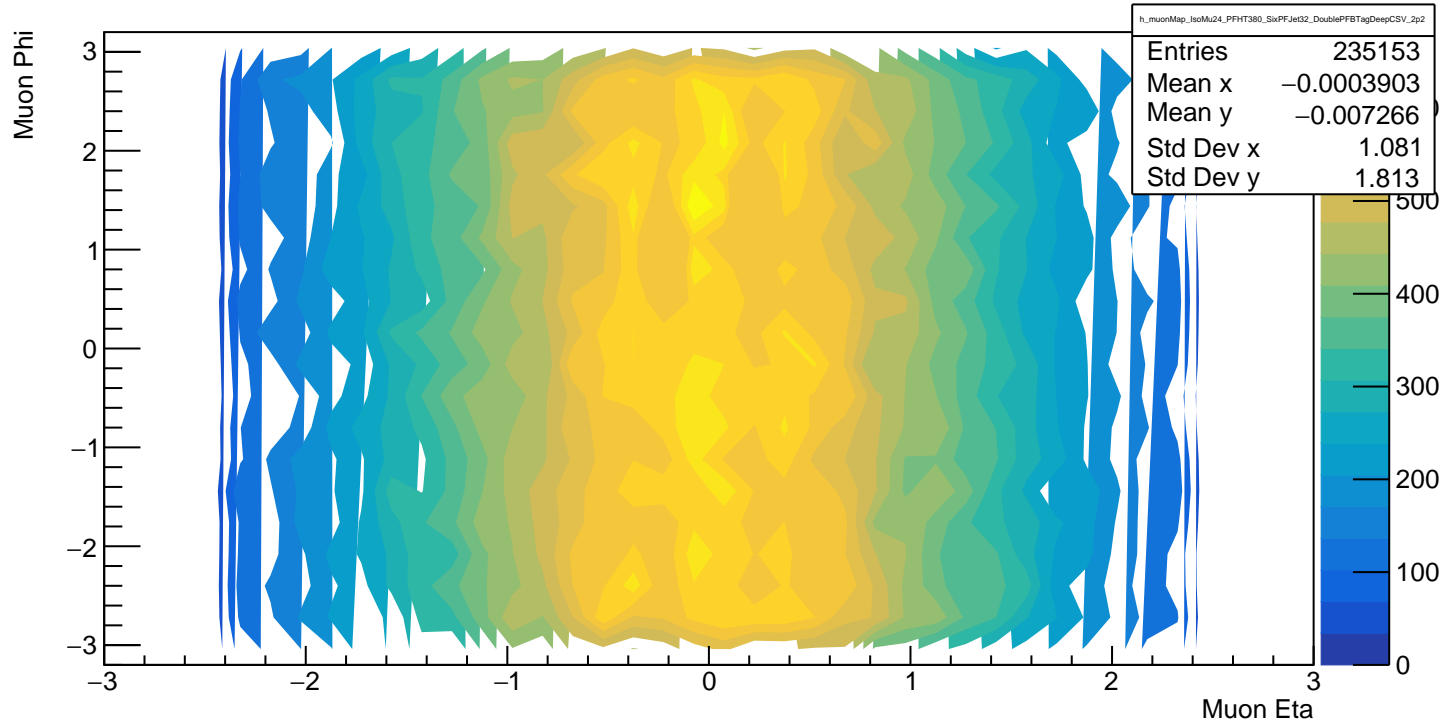
Muon Phi



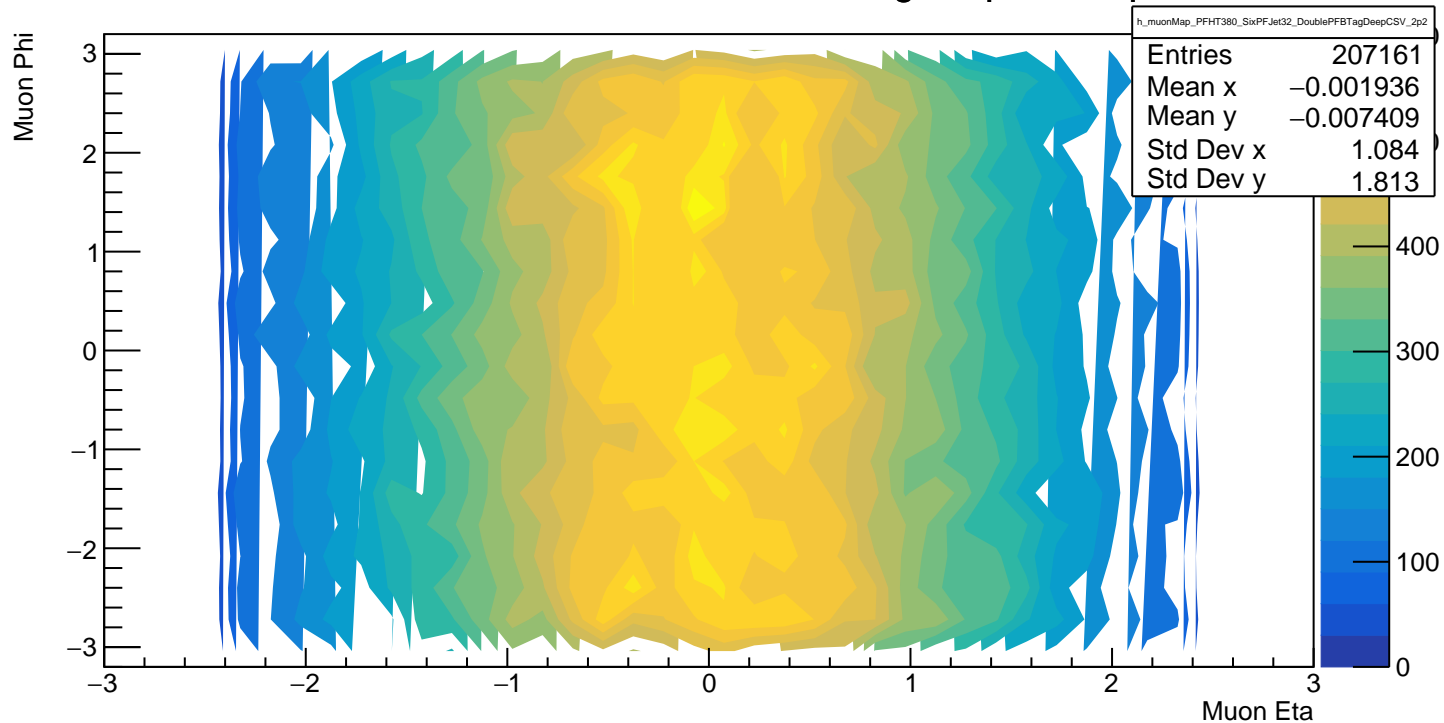
Mu15_IsoVVVL_PFHT450_CaloBTagCSV_4p5



IsoMu24_PFH380_SixPFJet32_DoublePFBTagDeepCSV_2p2



PFHT380_SixPFJet32_DoublePFBTagDeepCSV_2p2



IsoMu24

