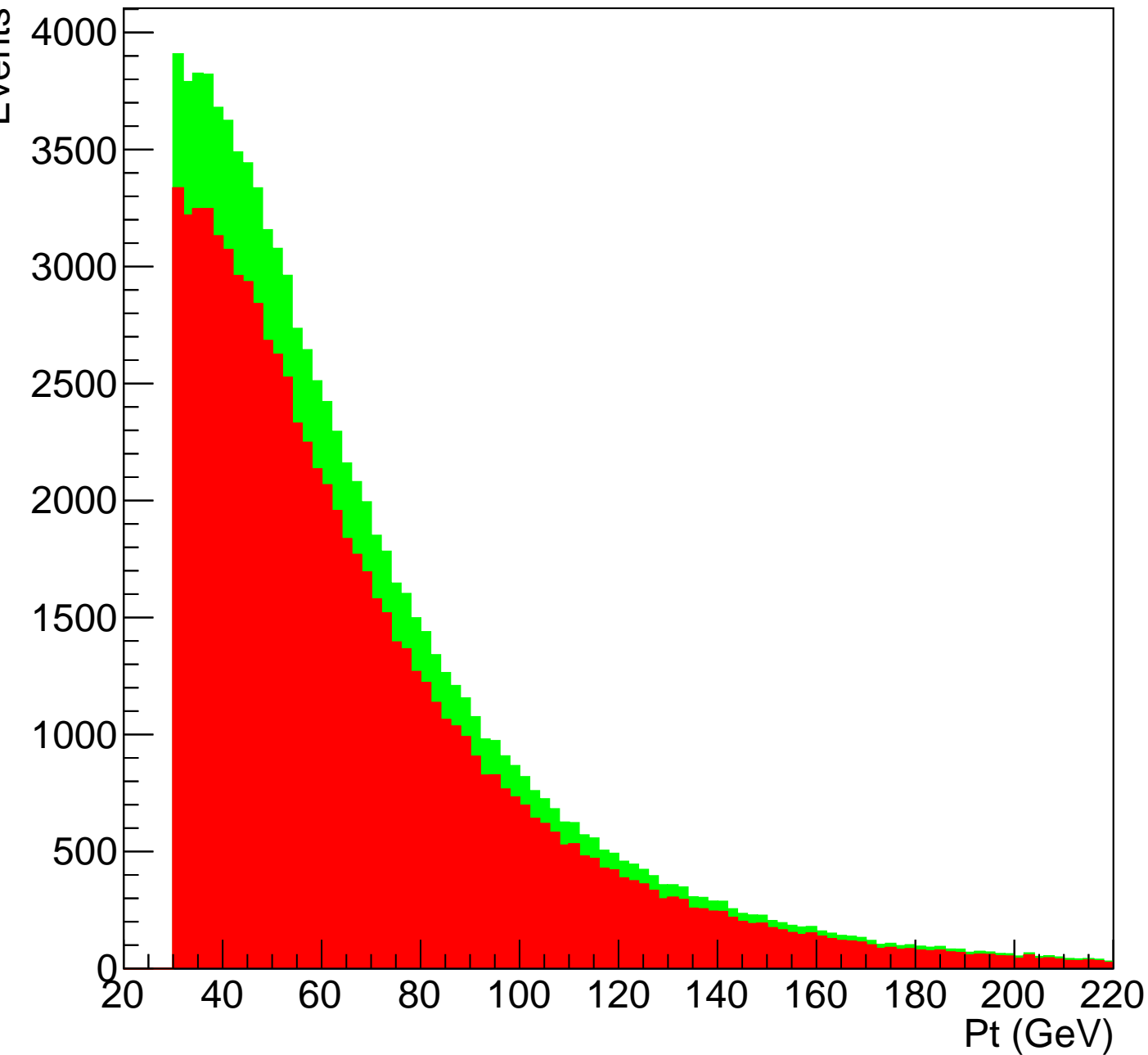


# Muon Transverse Momentum



# Muon Pseudorapidity

Events

350  
300  
250  
200  
150  
100  
50  
0

-3

-2

-1

0

1

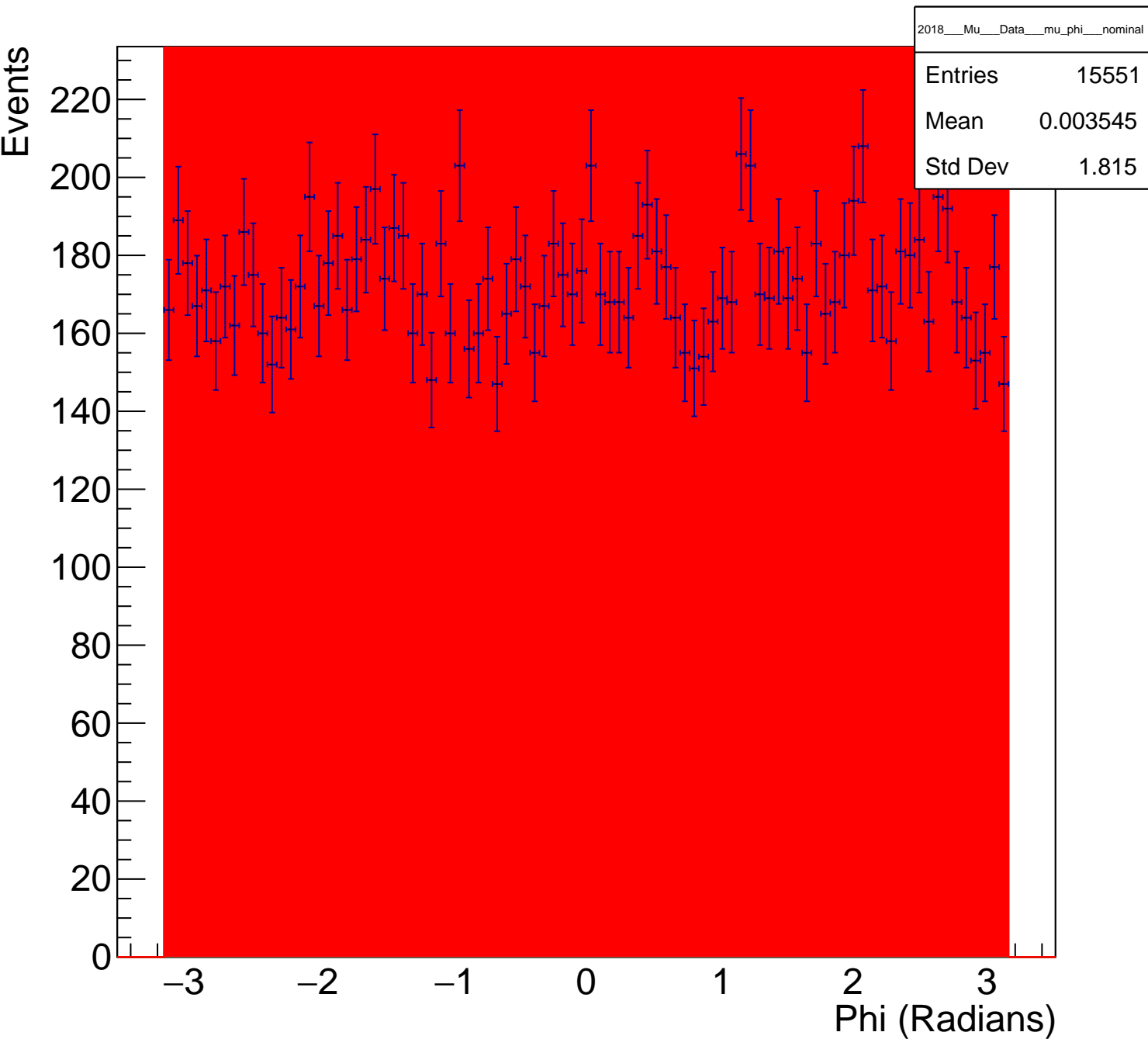
2

3

Eta

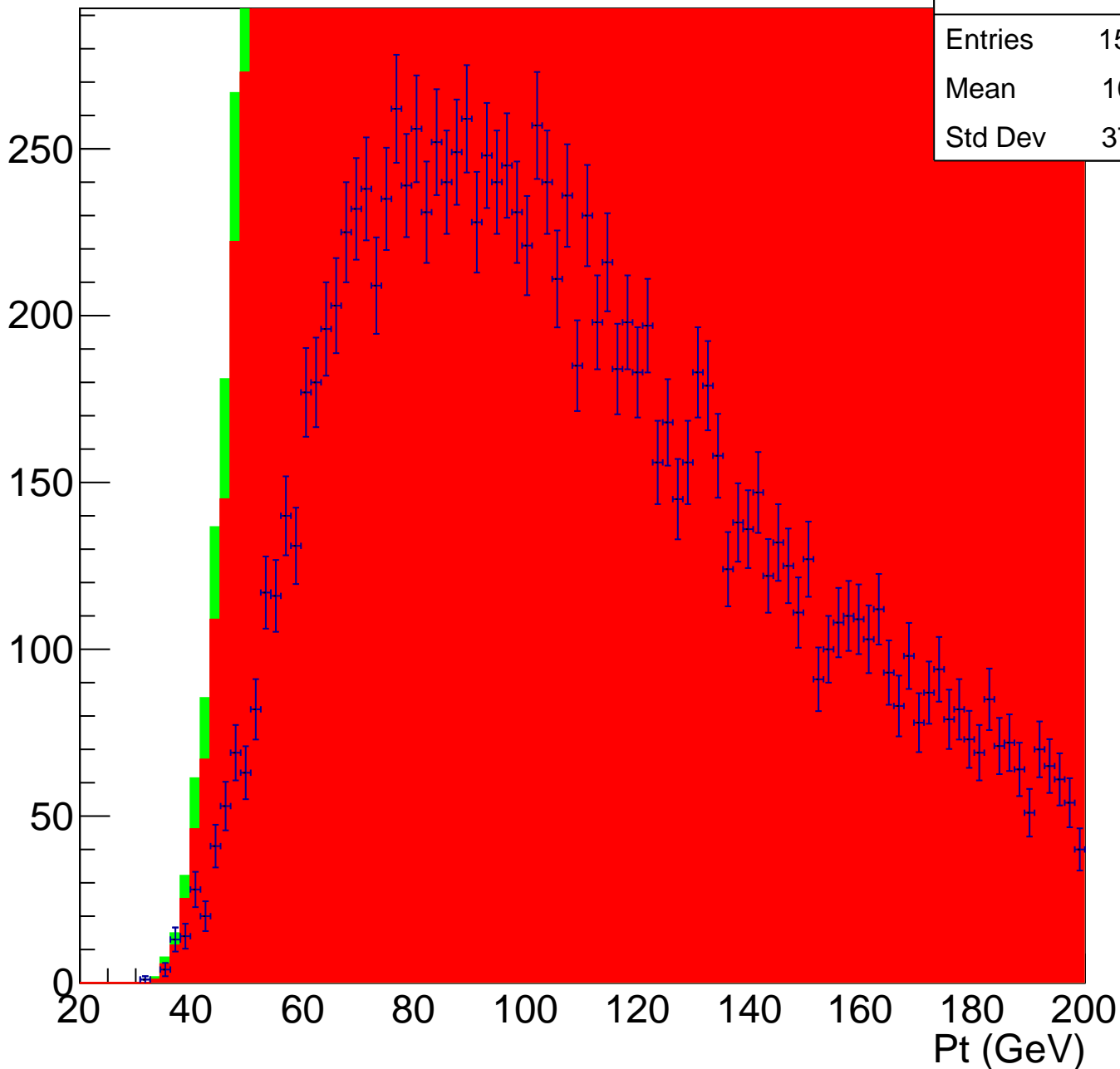
2018__Mu__Data__mu_eta__nominal	
Entries	15551
Mean	-0.02205
Std Dev	1.122

# Muon Angle



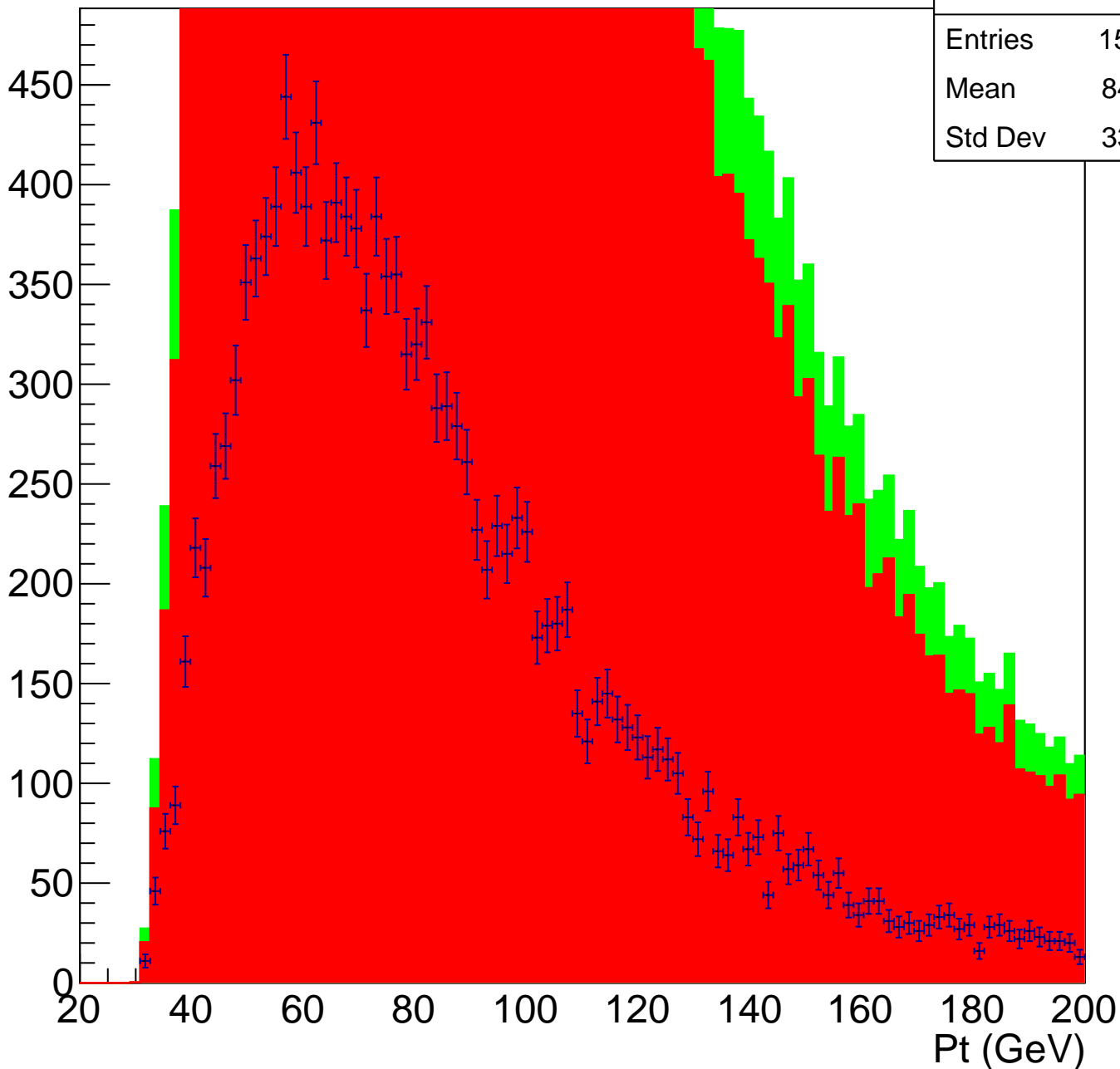
# Jet Transverse Momentum for Leading Jet

Events



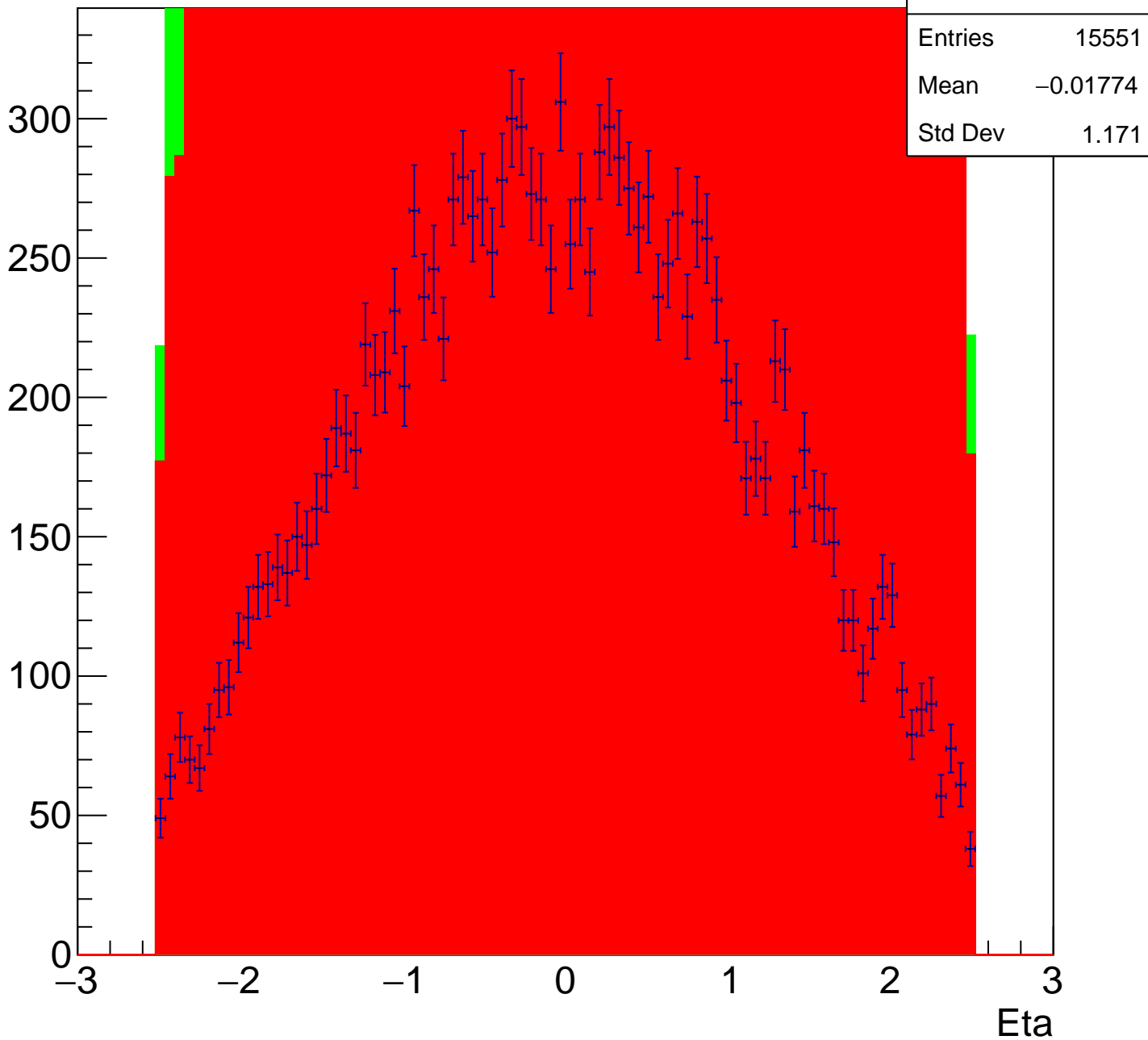
# Jet Transverse Momentum for Subleading Jet

Events

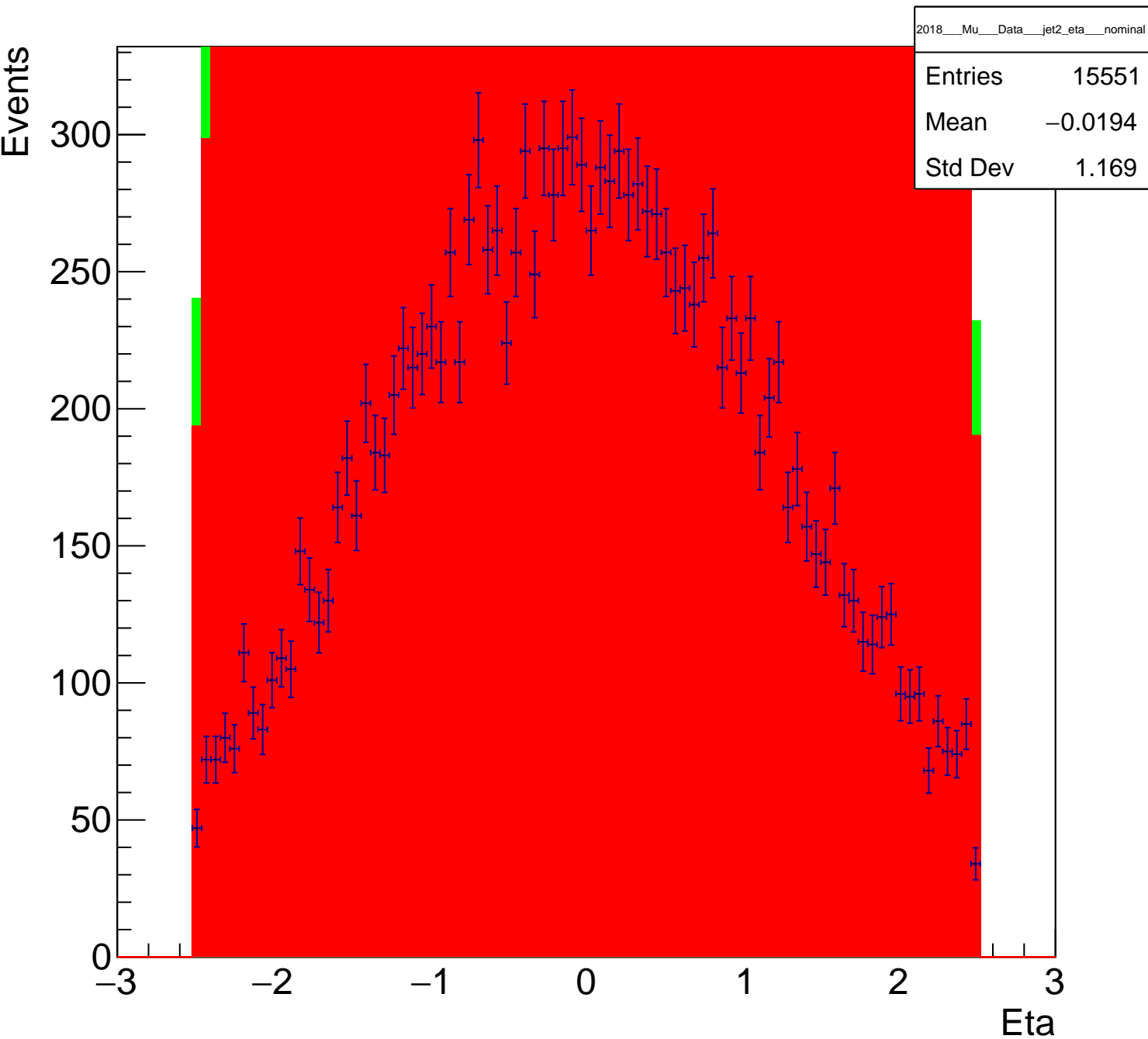


# Jet Pseudorapidity for Leading Jet

Events



# Jet Pseudorapidity for Subleading Jet



# Jet Angle for Leading Jet

Events

220  
200  
180  
160  
140  
120  
100  
80  
60  
40  
20  
0

-3

-2

-1

0

1

2

3

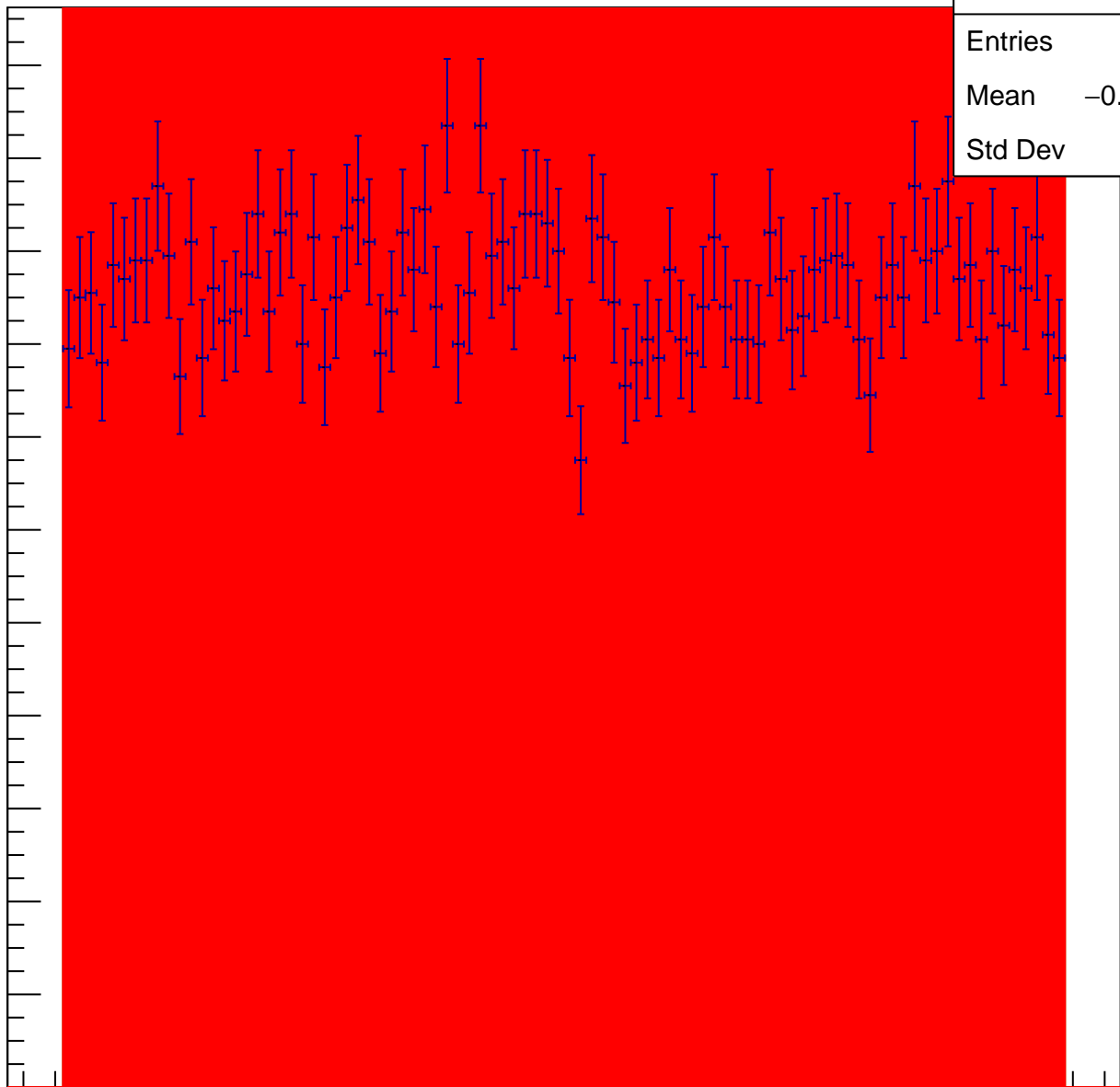
Phi (Radians)

2018\_\_Mu\_\_Data\_\_jet1\_phi\_\_nominal

Entries 15551

Mean -0.008259

Std Dev 1.816





# Jet Angle for Subleading Jet

Events

220  
200  
180  
160  
140  
120  
100  
80  
60  
40  
20  
0

-3

-2

-1

0

1

2

3

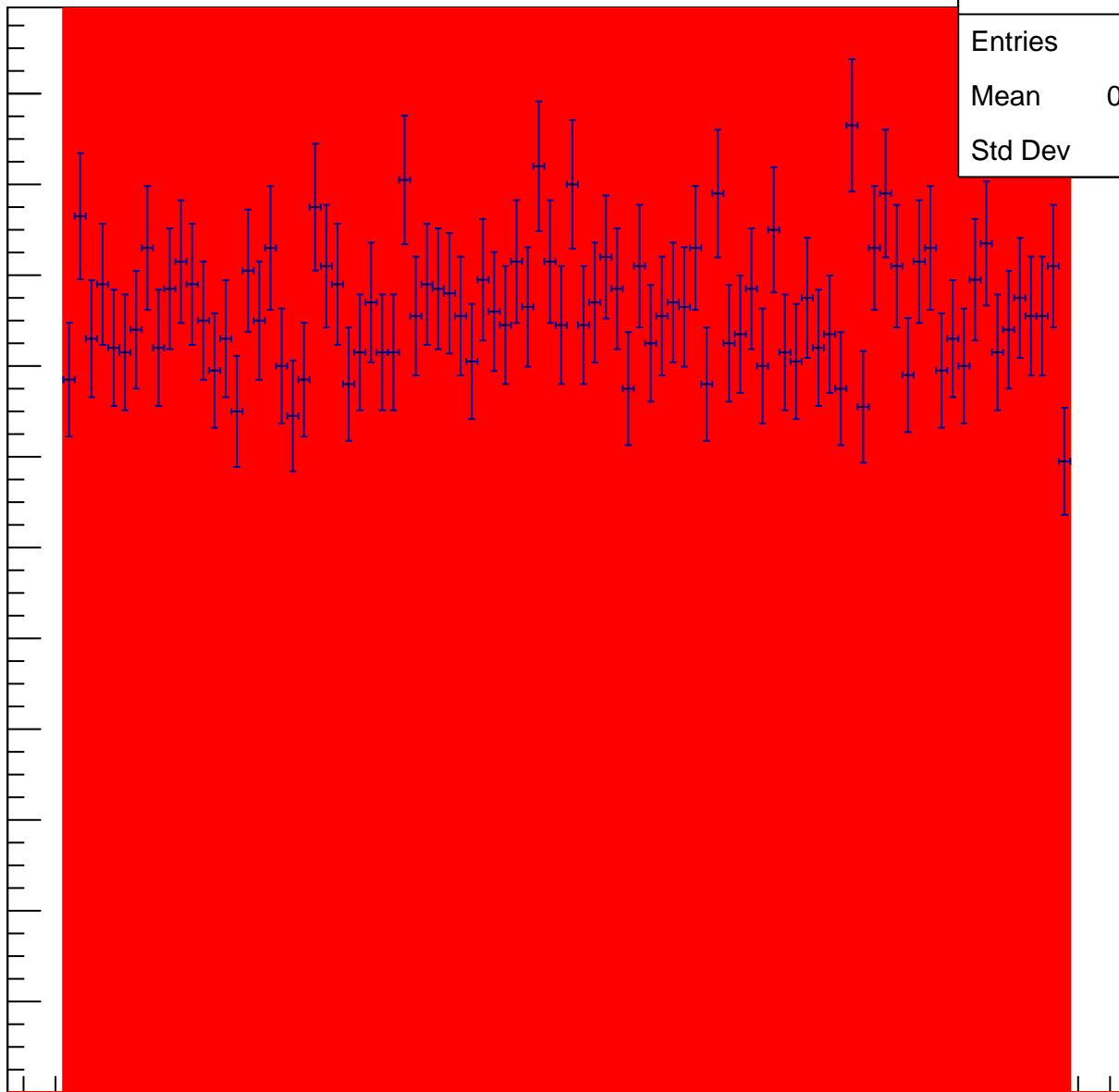
Phi (Radians)

2018\_\_Mu\_\_Data\_\_jet2\_phi\_\_nominal

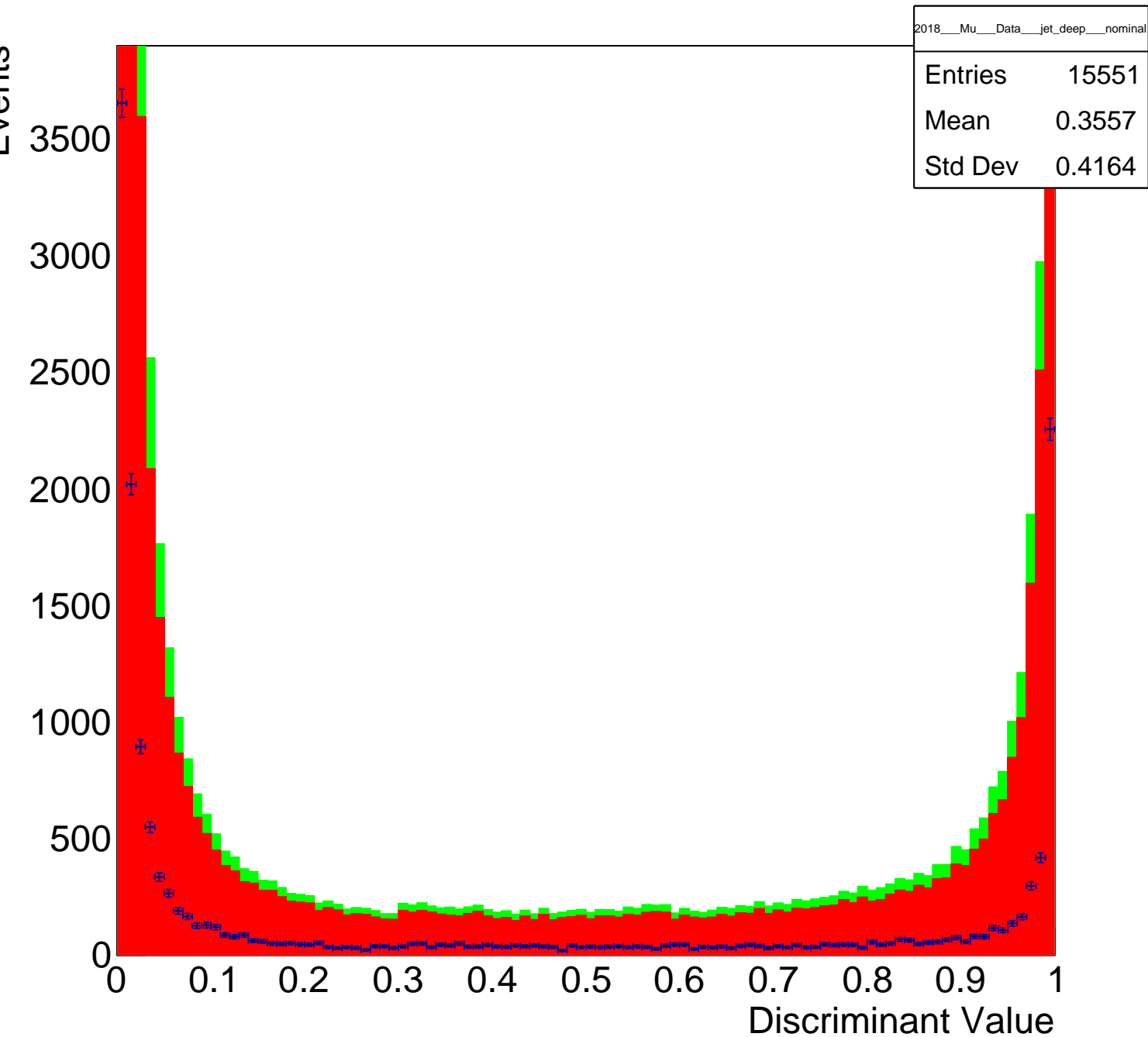
Entries 15551

Mean 0.002658

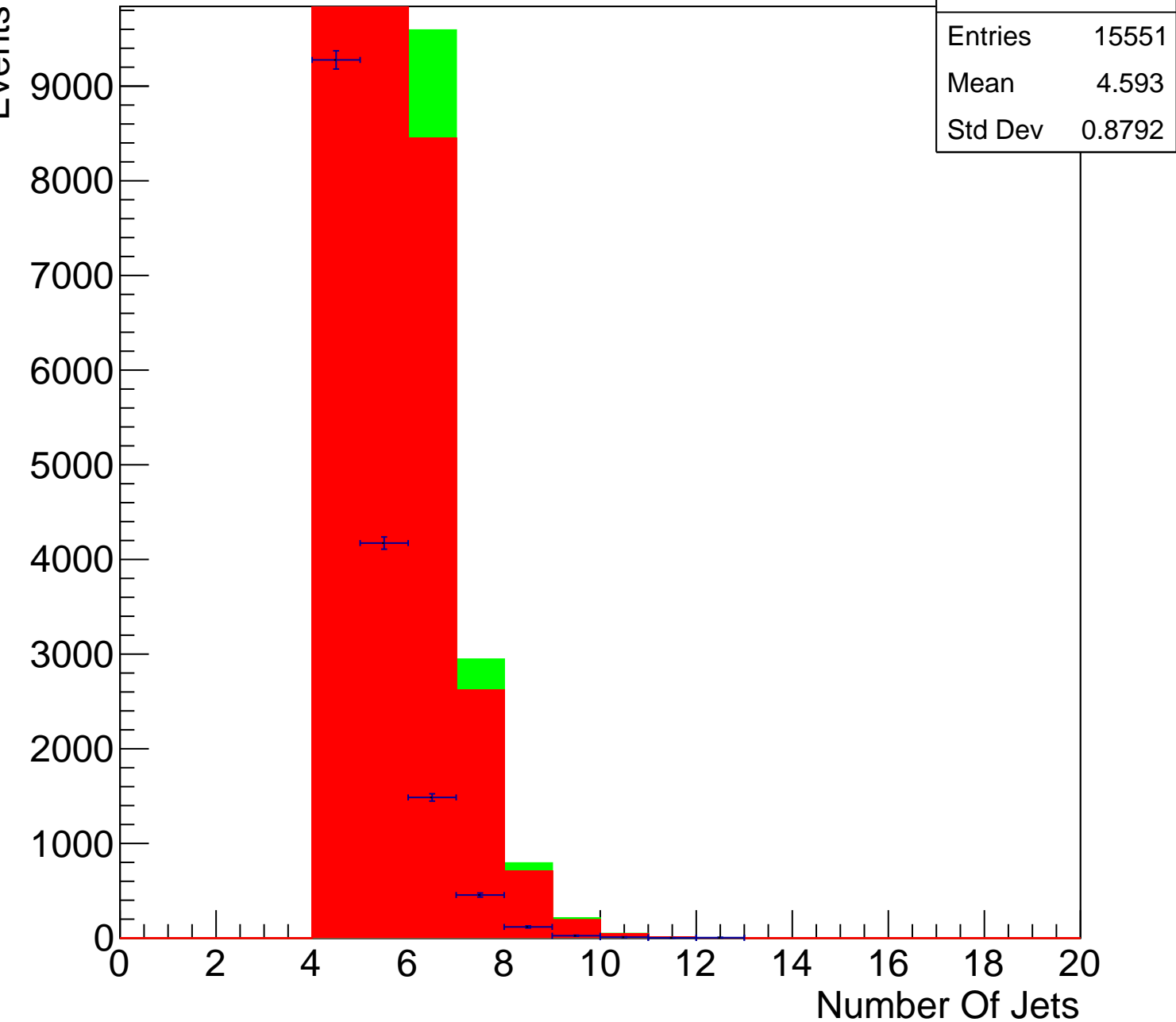
Std Dev 1.81



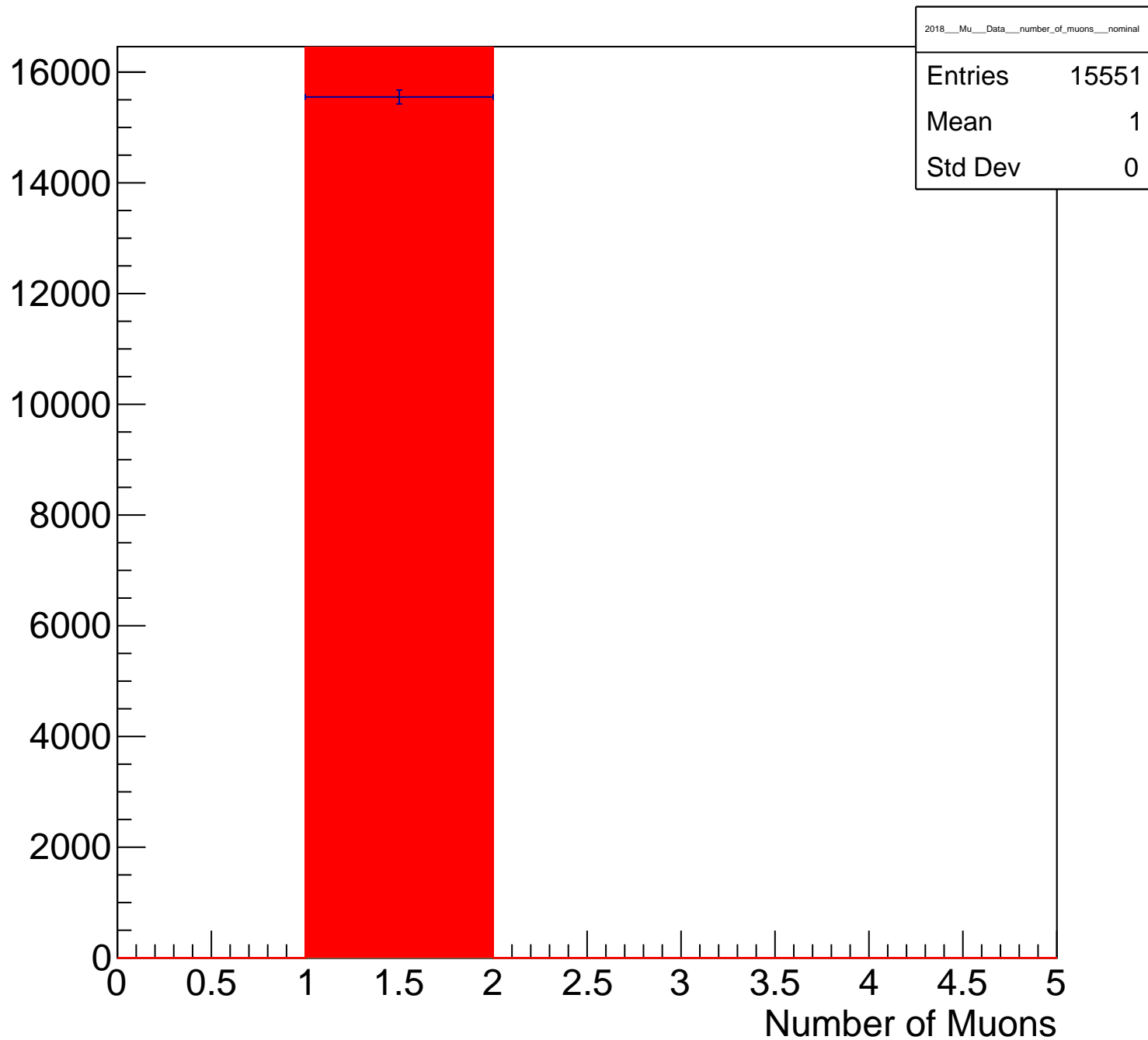
# Deep Jet B Discriminator



# Number of Jets



# Number of Muons



# Transverse Mass

Events

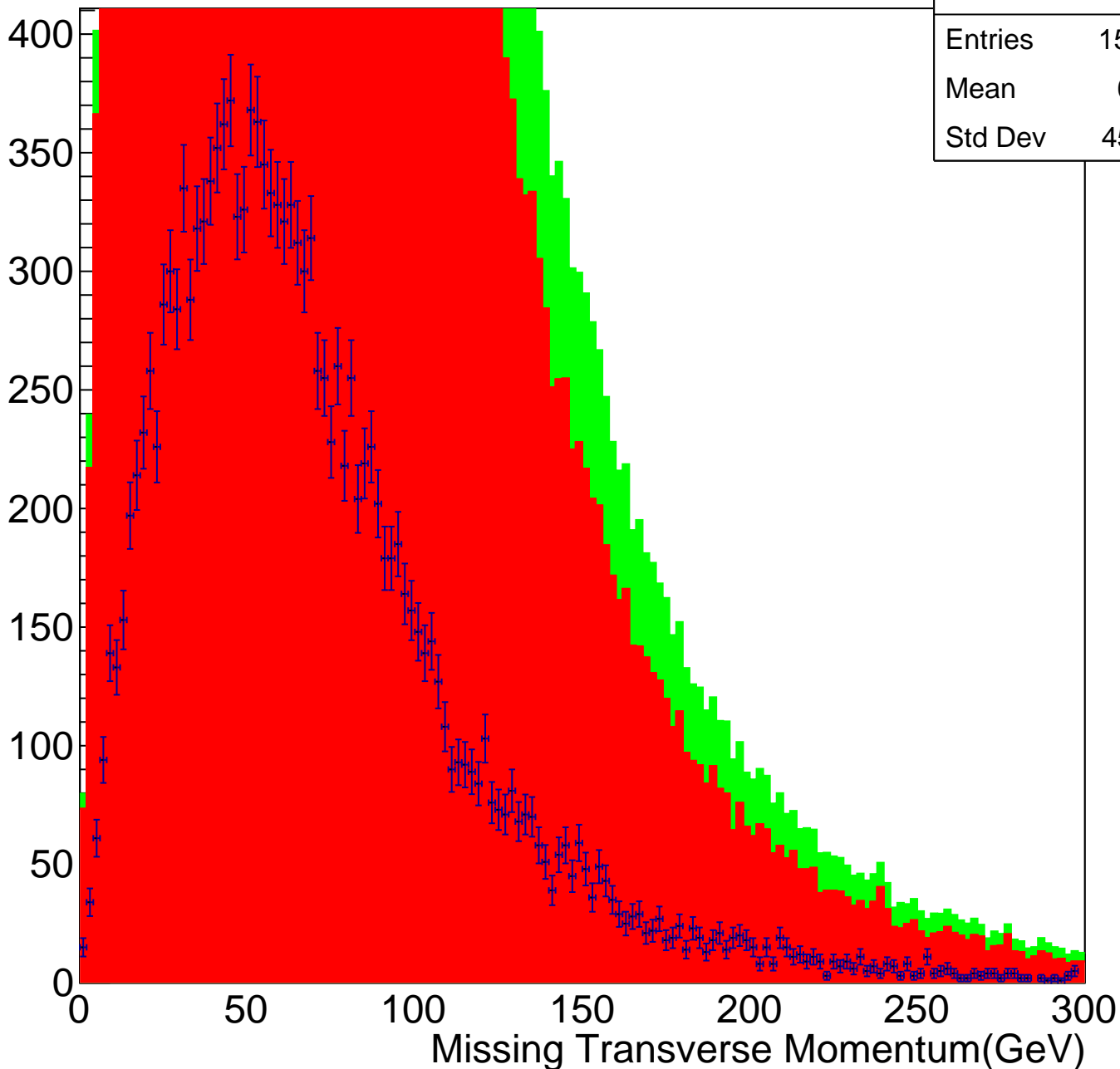
180  
160  
140  
120  
100  
80  
60  
40  
20

0 20 40 60 80 100 120 140  
Transverse Mass (GeV)

2018__Mu__Data__transverse_mass__nominal	
Entries	15551
Mean	64.24
Std Dev	35.51

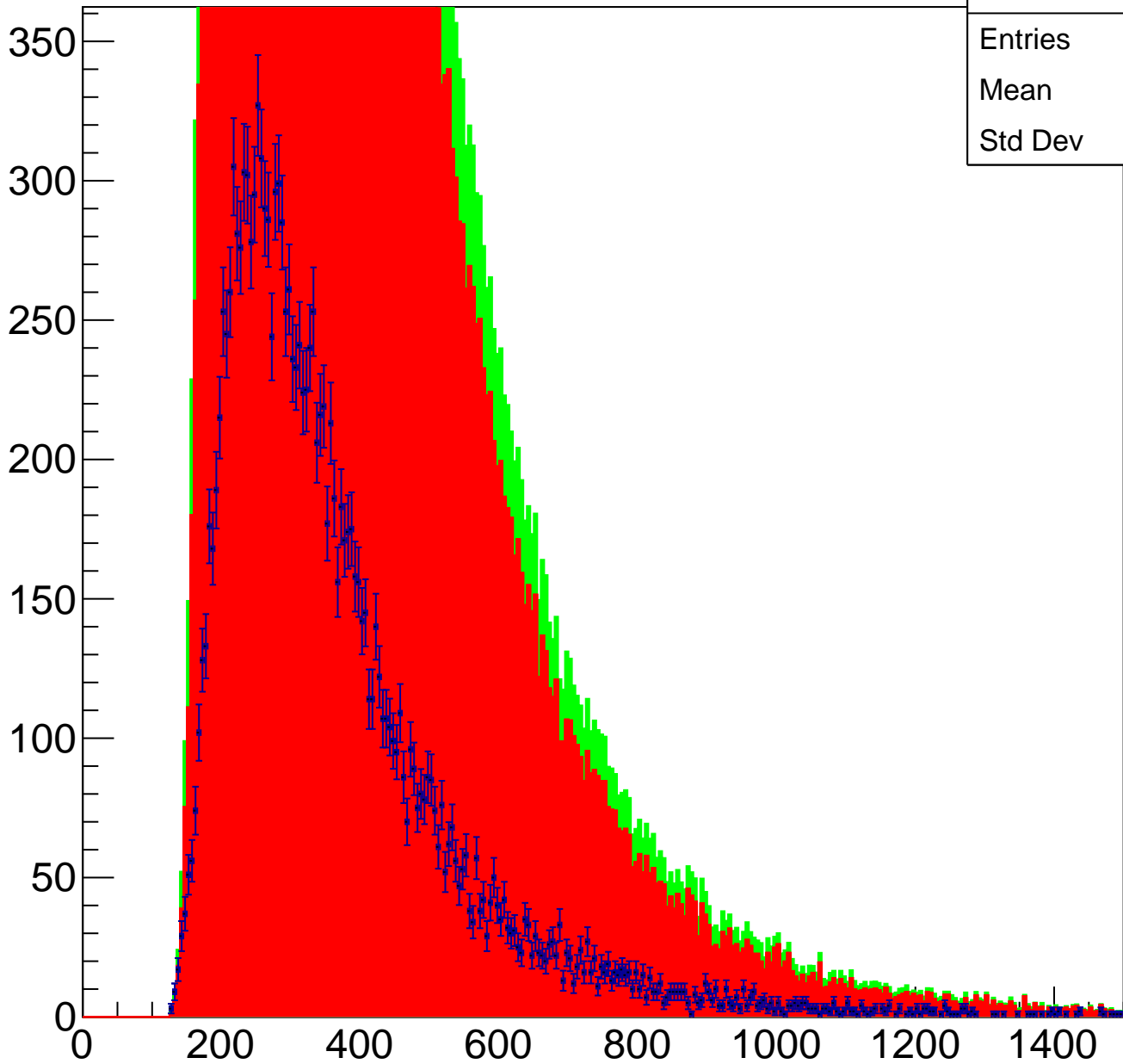
# Missing Transverse Momentum

Events



Ht

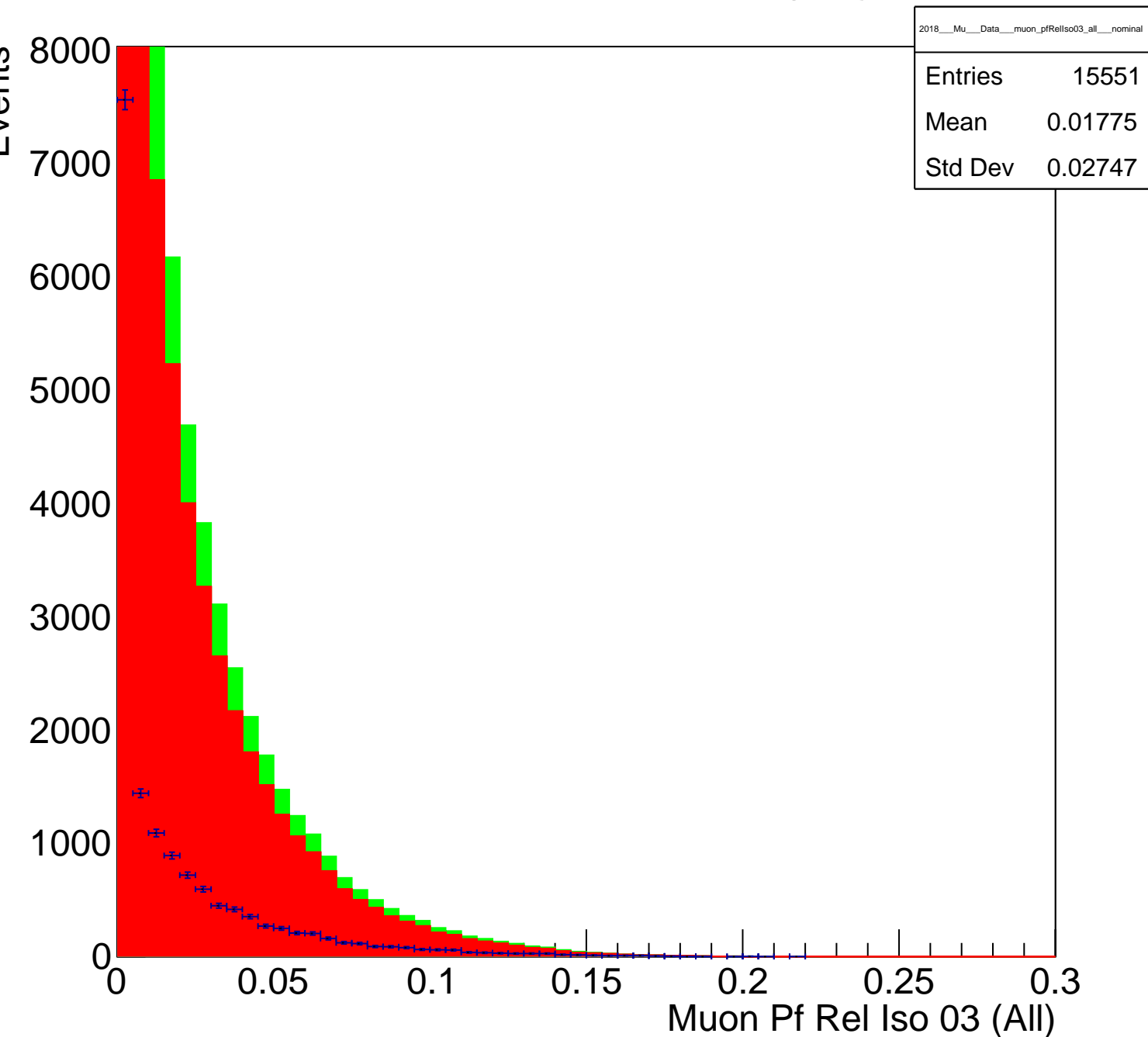
Events



2018__Mu__Data__ht__nominal	
Entries	15551
Mean	360.5
Std Dev	172.1

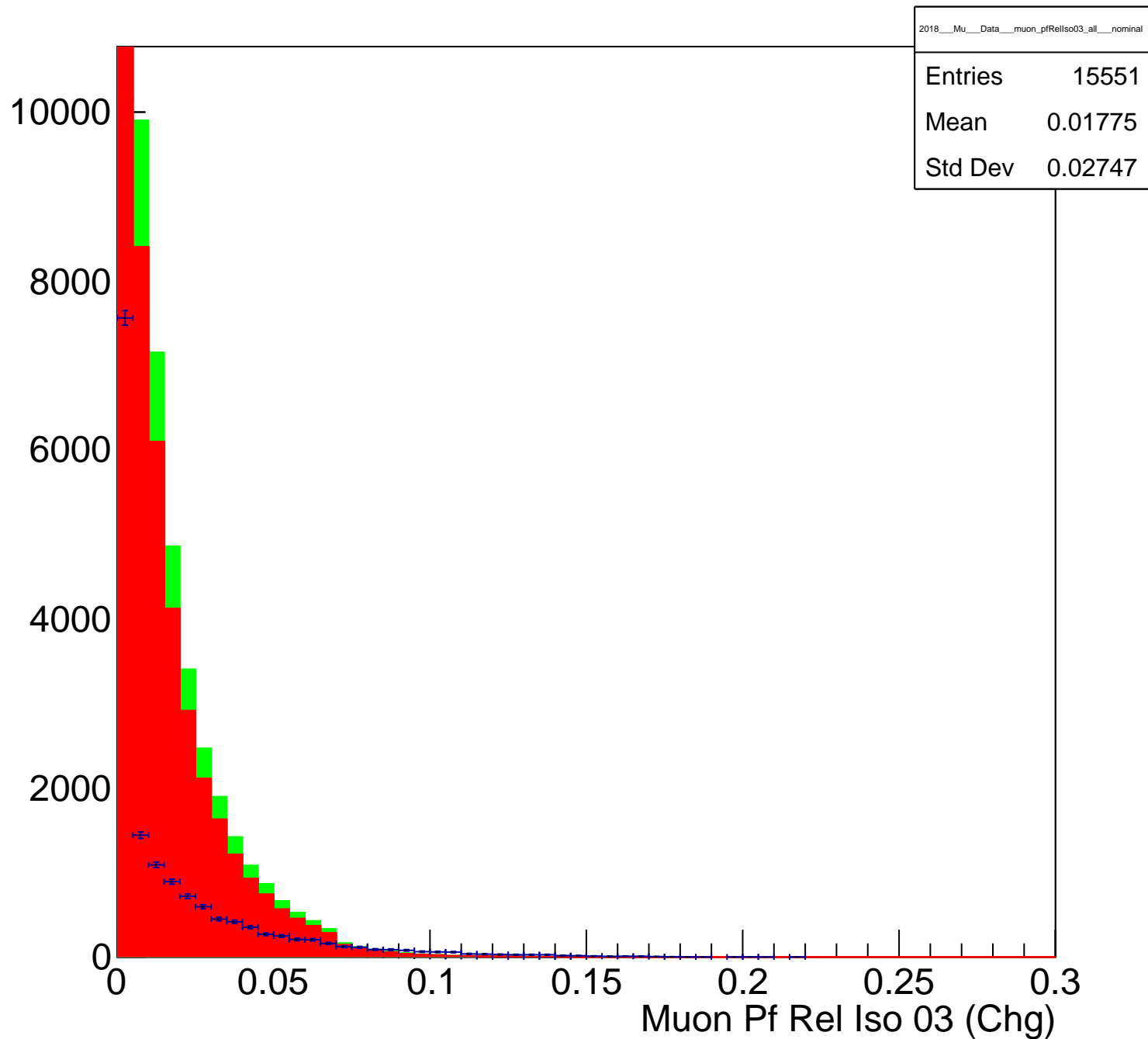
Ht

# Muon Pf Rel Iso 03 (All)

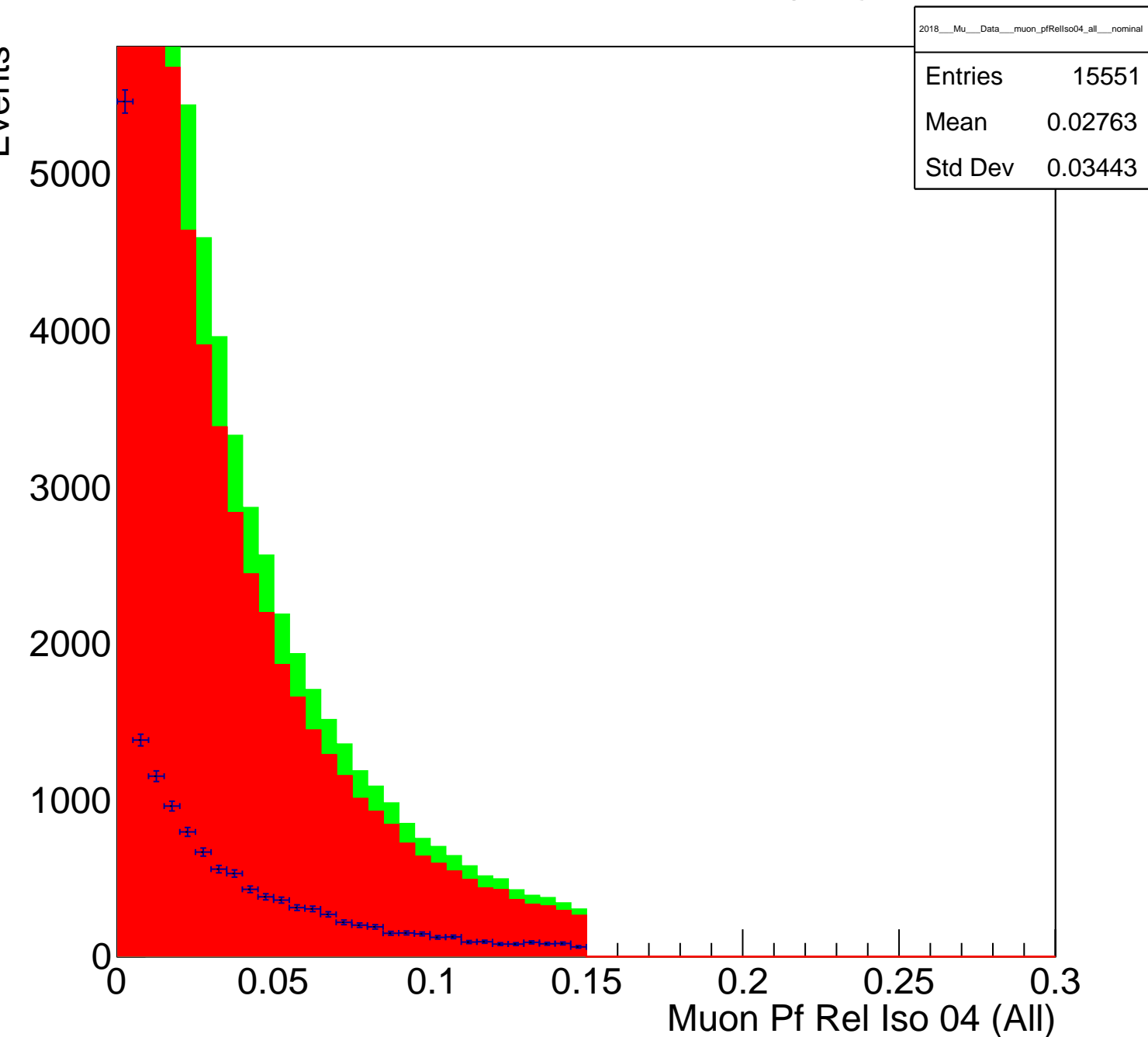




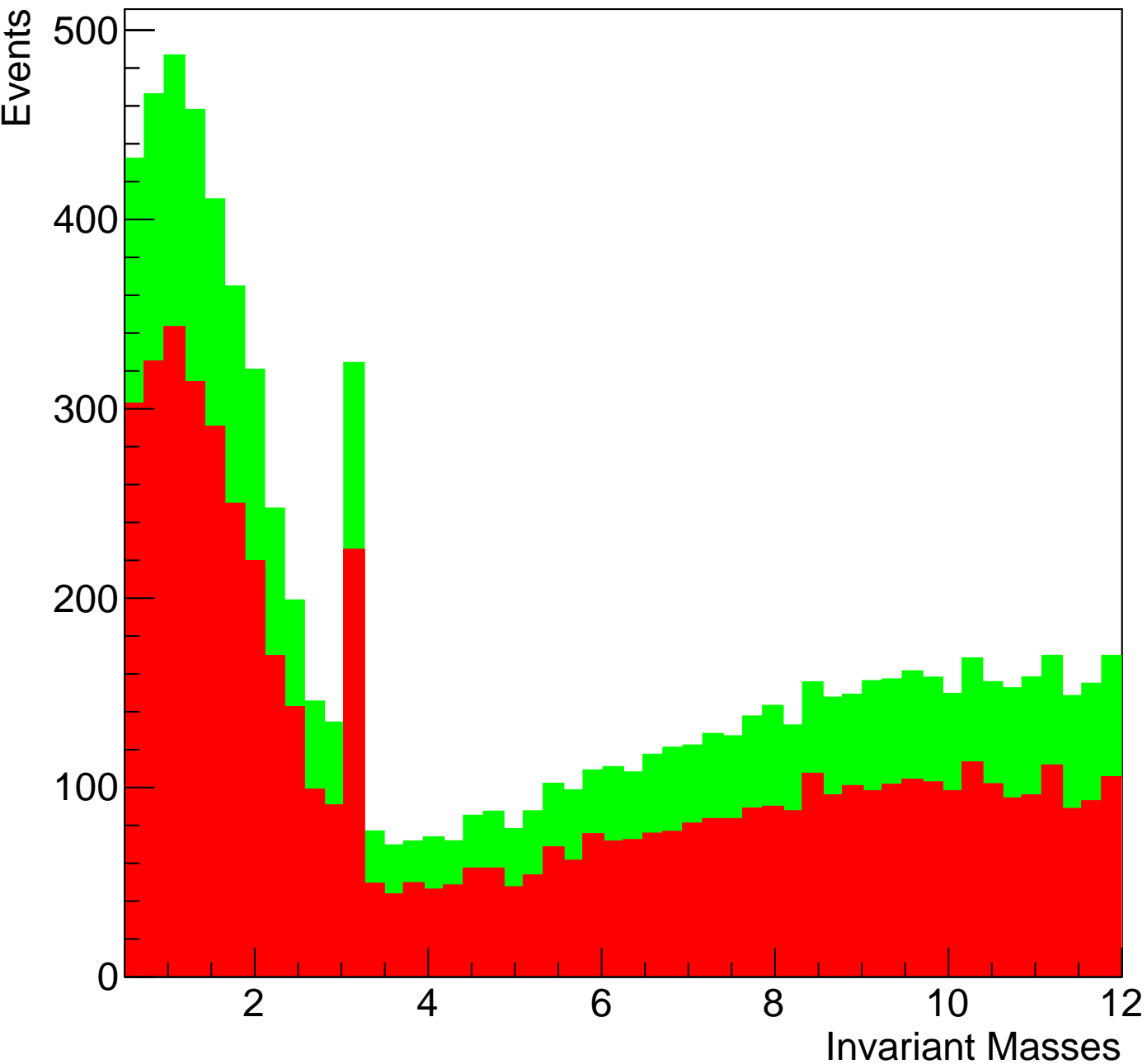
# Muon Pf Rel Iso 03 (Chg)



# Muon Pf Rel Iso 04 (All)



# Invariant Masses for Paired Muons



# Invariant Masses

Events

