

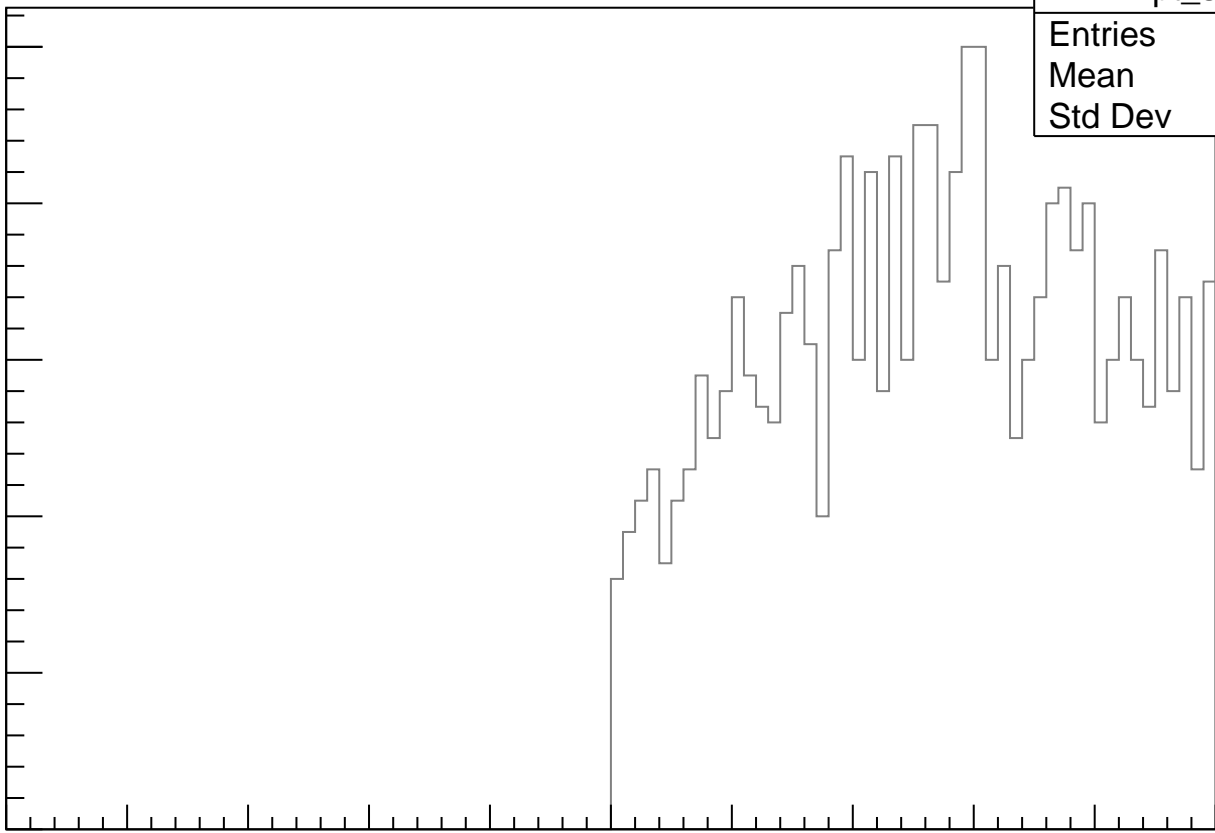
offJetsMedDeepCSV_matchedPFDeepCSV/pt_s

Entries

50
40
30
20
10
0

0 10 20 30 40 50 60 70 80 90 100
p_T [GeV]

pt_s	
Entries	2853
Mean	76.49
Std Dev	13.36



offJetsMedDeepCSV_matchedPFDeepCSV/pt_m

Entries

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

0

50

100

150

200

250

300

350

400

450

500

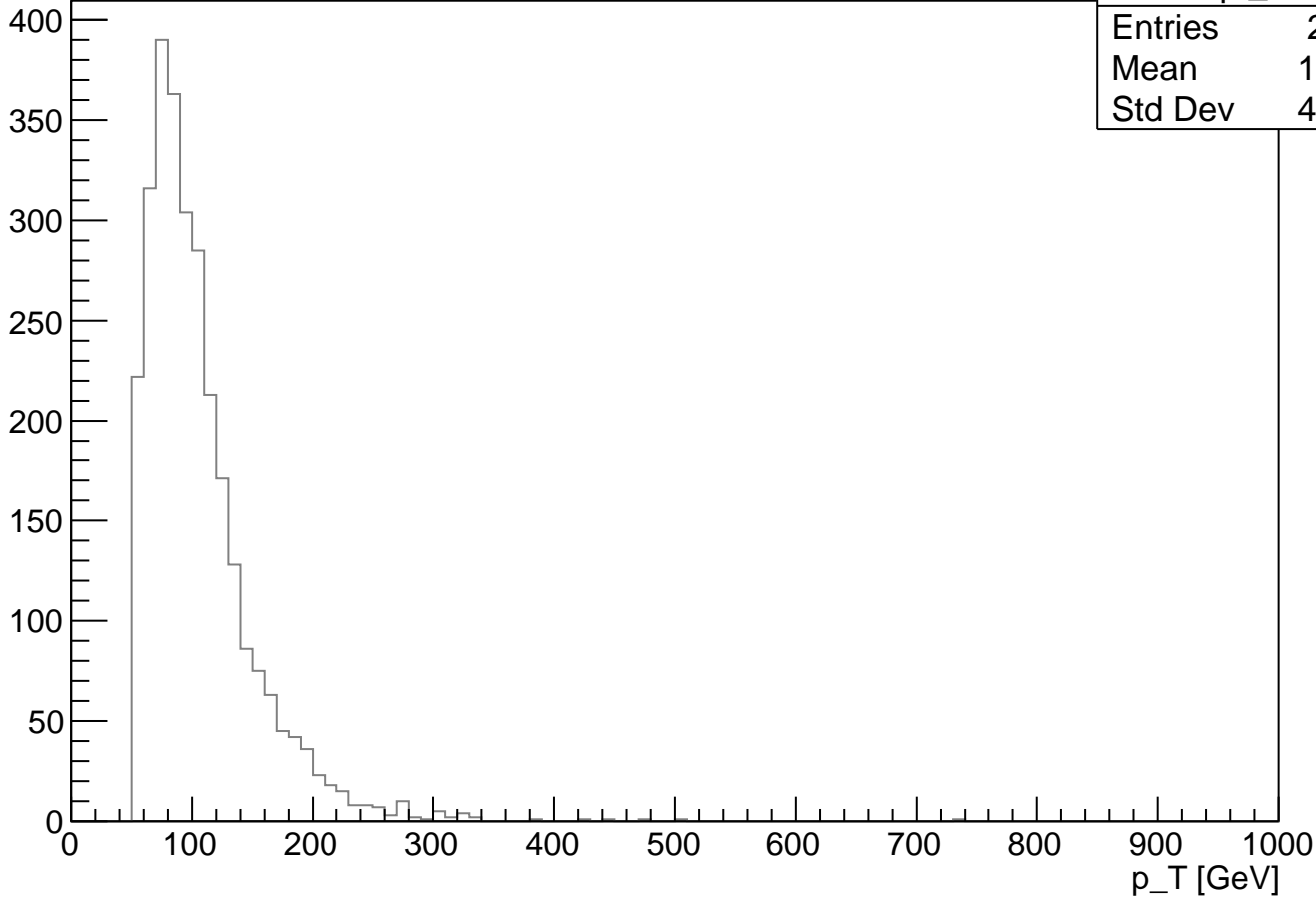
p_T [GeV]

pt_m

Entries	2853
Mean	105.2
Std Dev	44.71

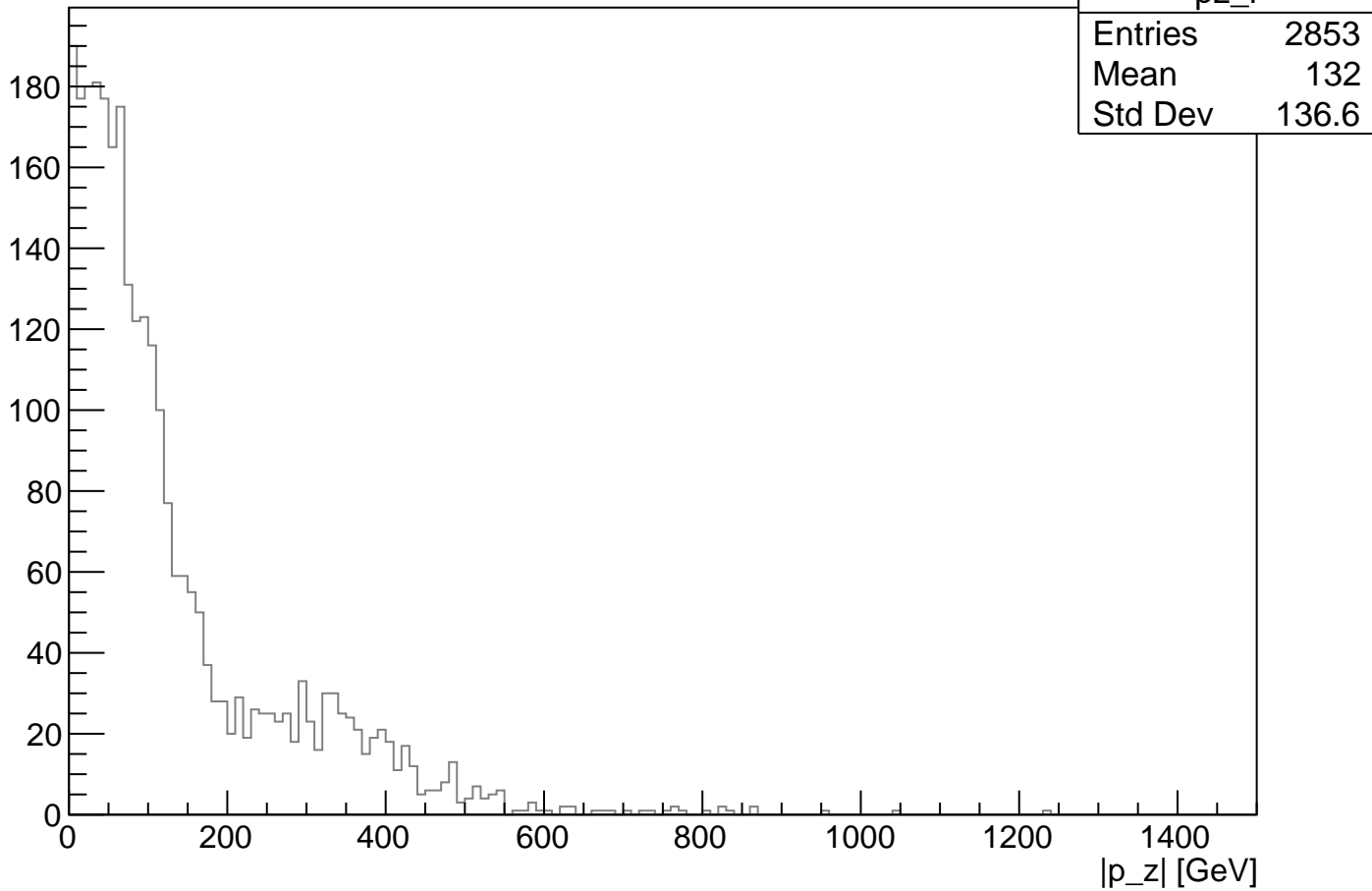
offJetsMedDeepCSV_matchedPFDeepCSV/pt_l

Entries



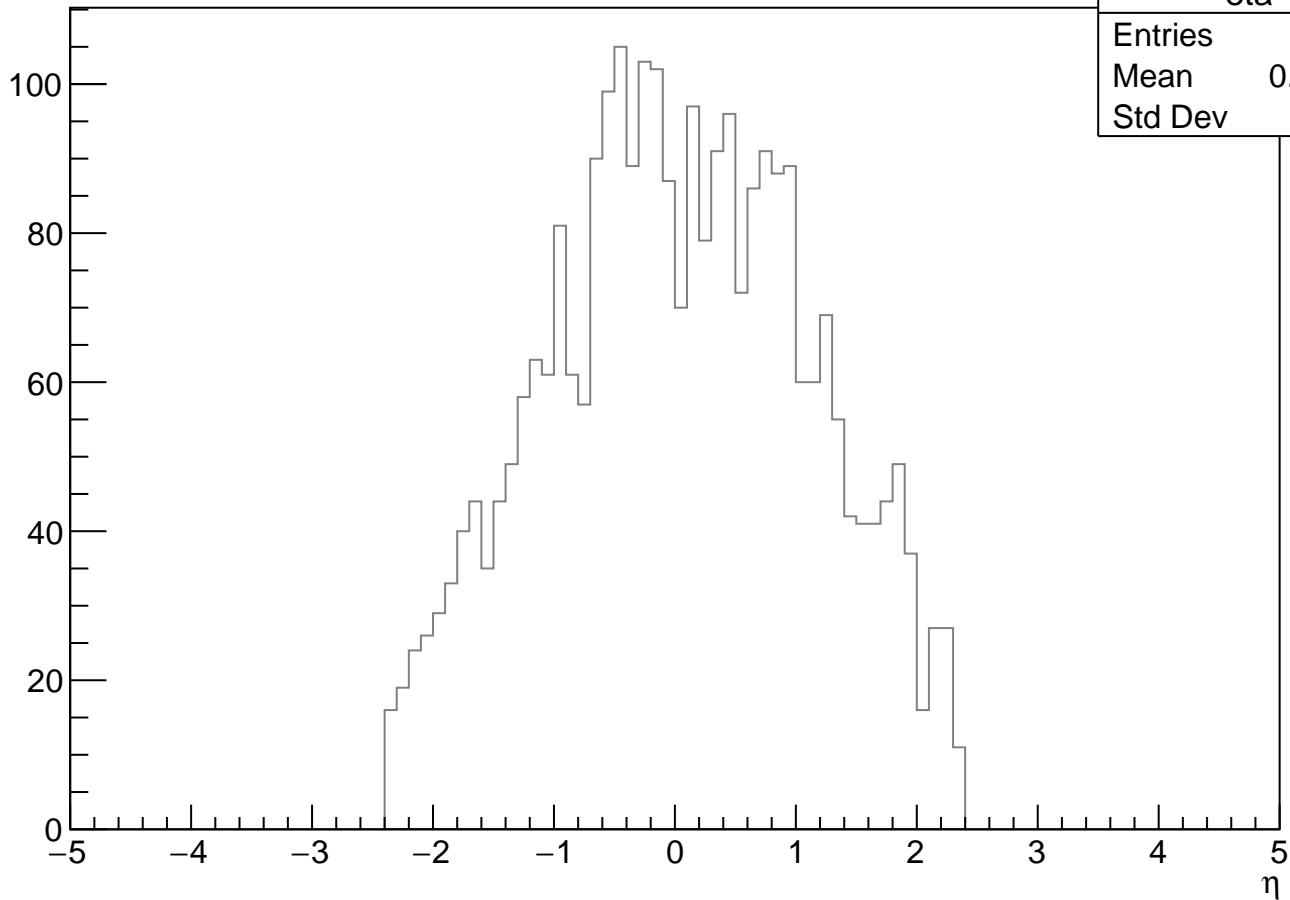
offJetsMedDeepCSV_matchedPFDeepCSV/pz_l

Entries

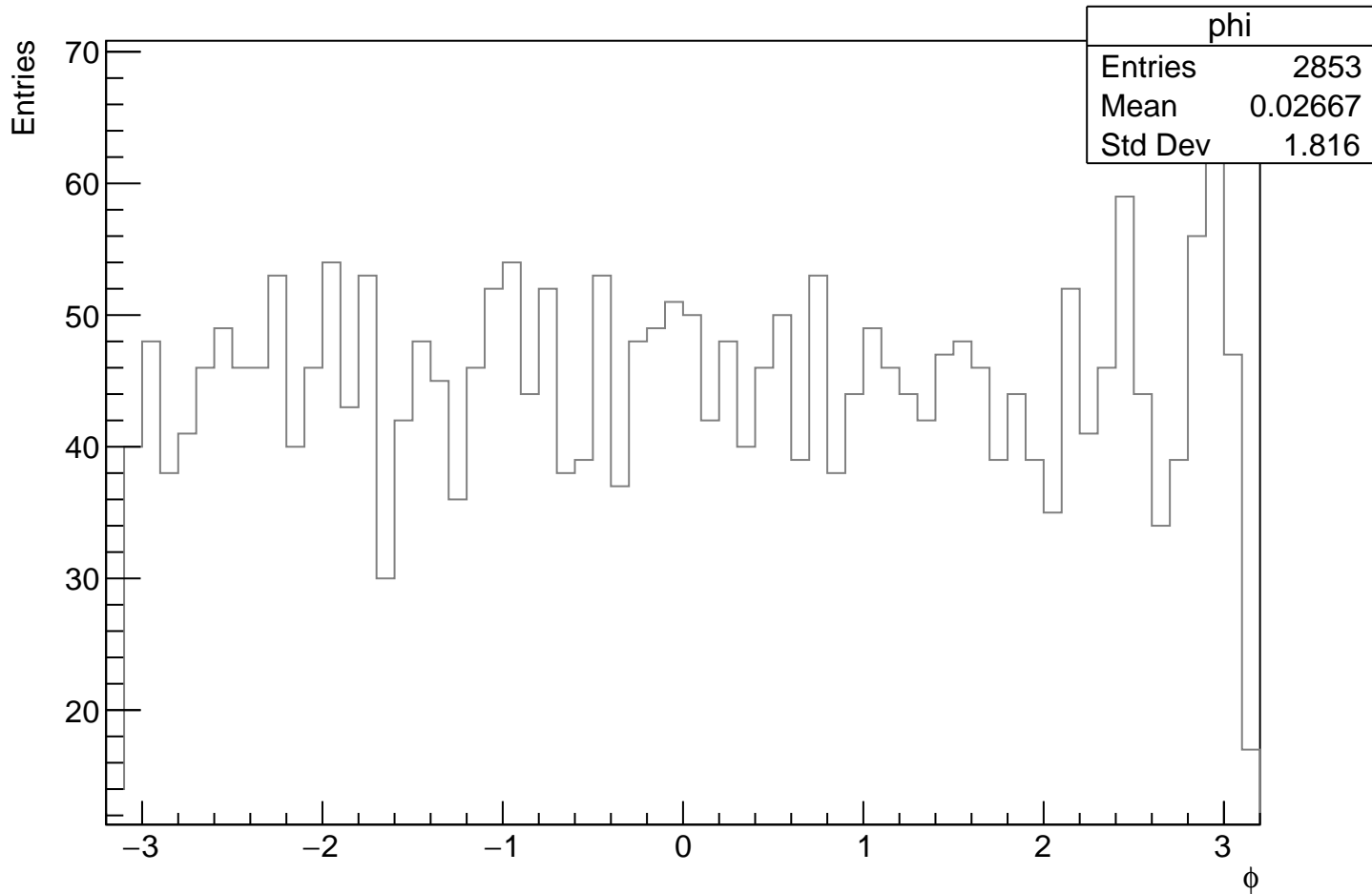


offJetsMedDeepCSV_matchedPFDeepCSV/eta

Entries



offJetsMedDeepCSV_matchedPFDeepCSV/phi



offJetsMedDeepCSV_matchedPFDeepCSV/m_s

Entries

250

200

150

100

50

0

0

5

10

15

20

25

30

35

40

45

50

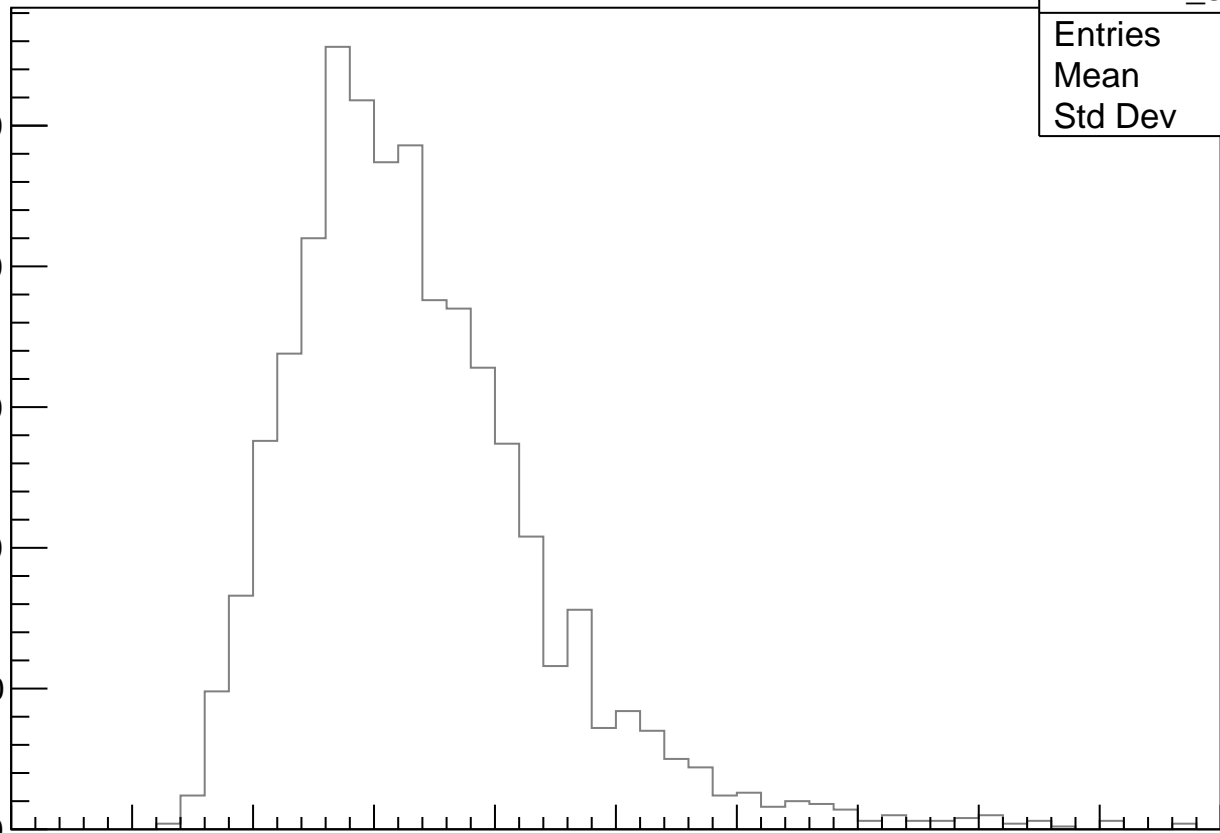
Mass [GeV]

m_s

Entries 2853

Mean 16.86

Std Dev 5.481



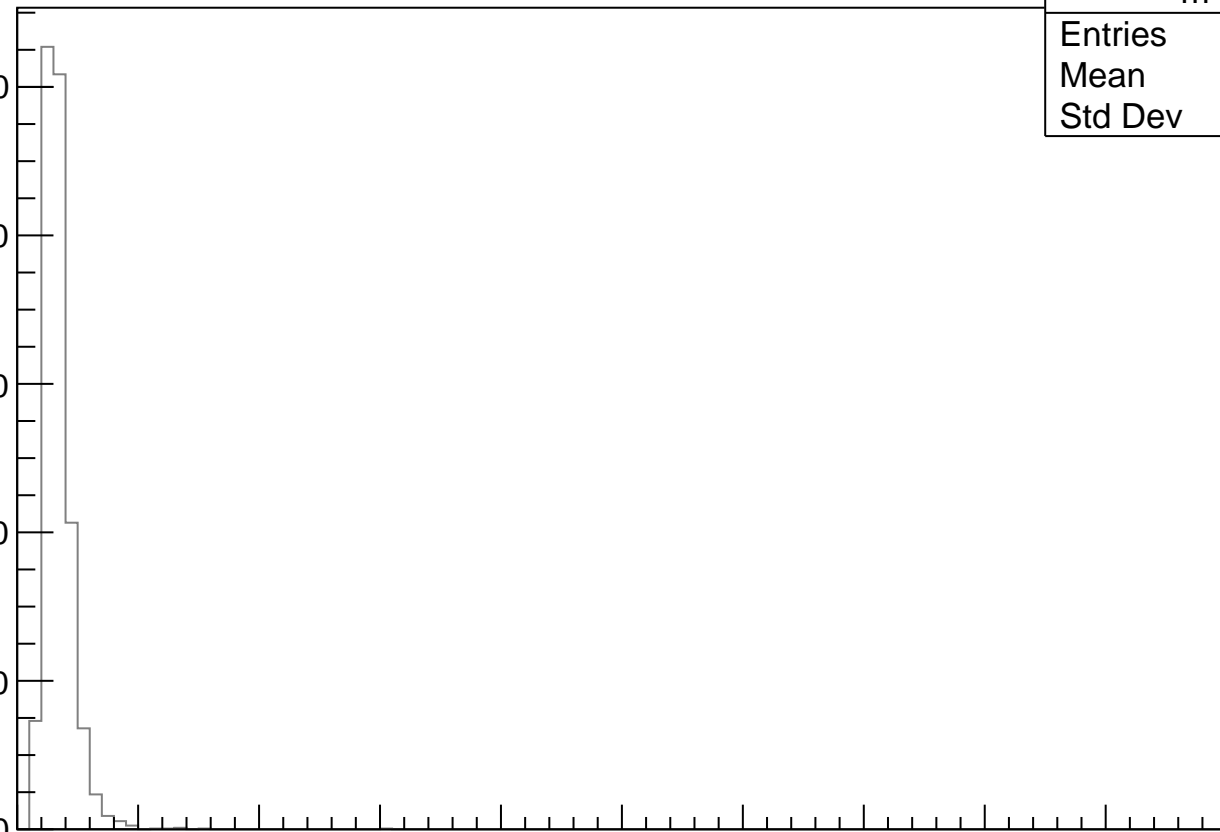
offJetsMedDeepCSV_matchedPFDeepCSV/m

Entries

1000
800
600
400
200
0

m	
Entries	2853
Mean	17
Std Dev	6.408

Mass [GeV]



offJetsMedDeepCSV_matchedPFDeepCSV/m_l

Entries

1
0.8
0.6
0.4
0.2
0

200

400

600

800

1000

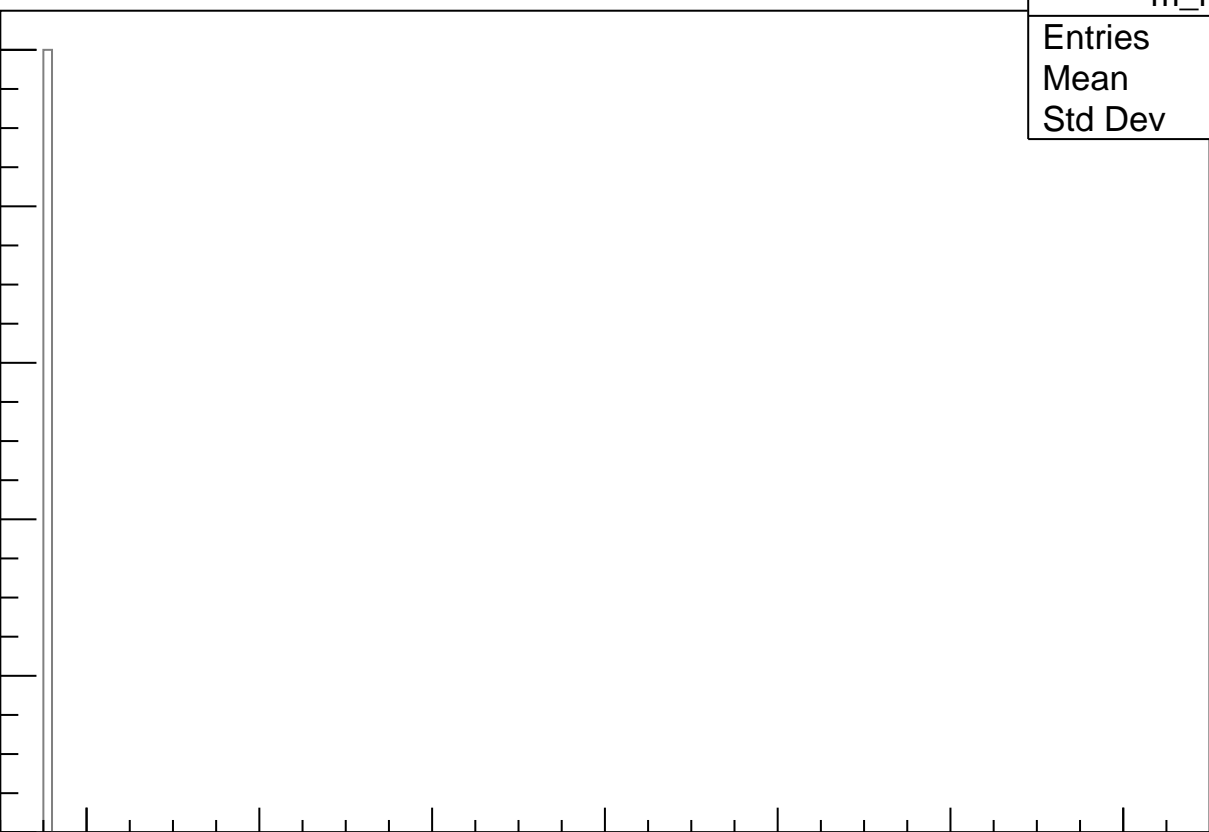
1200

1400

Mass [GeV]

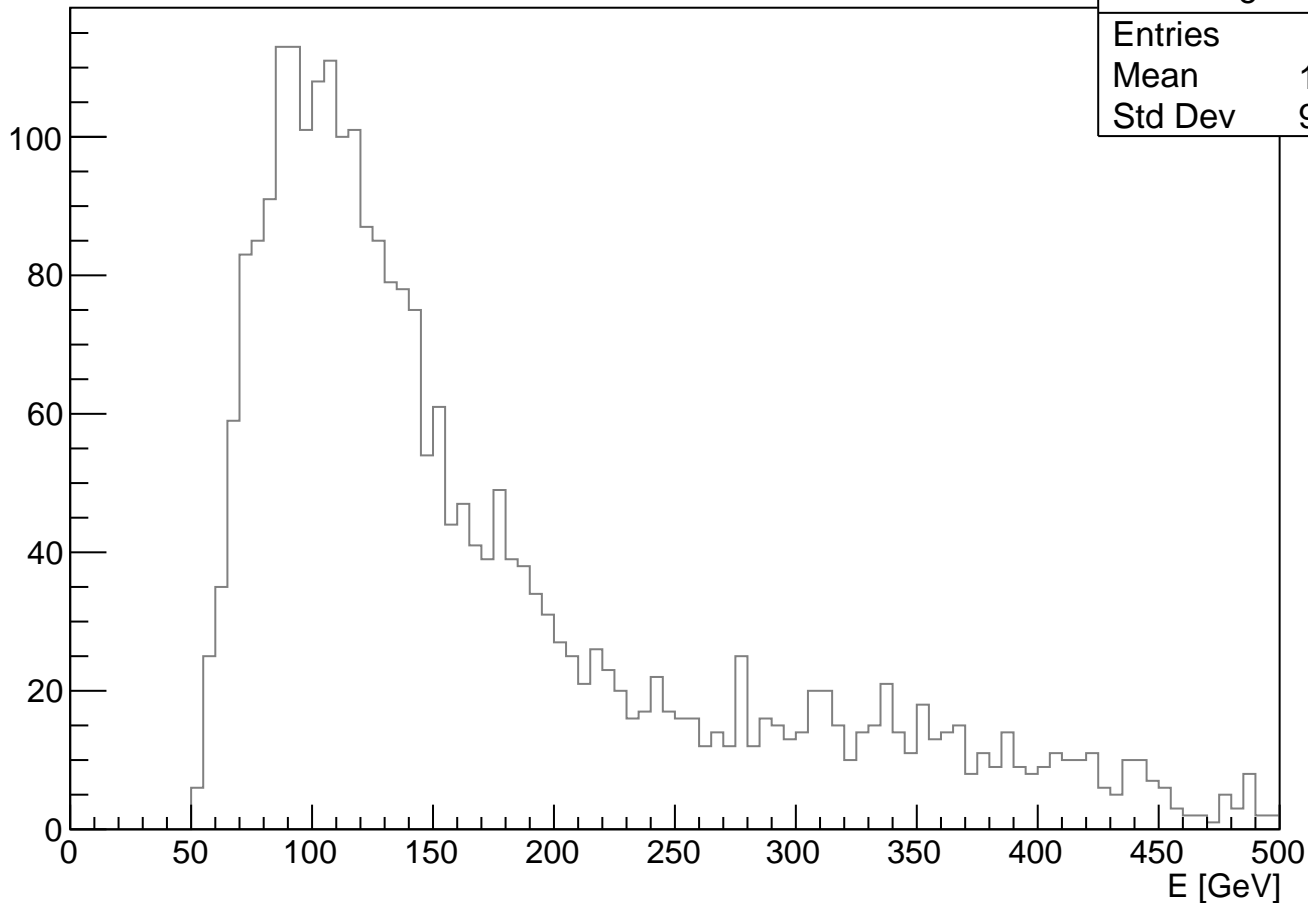
m_l

Entries	2853
Mean	154.3
Std Dev	0

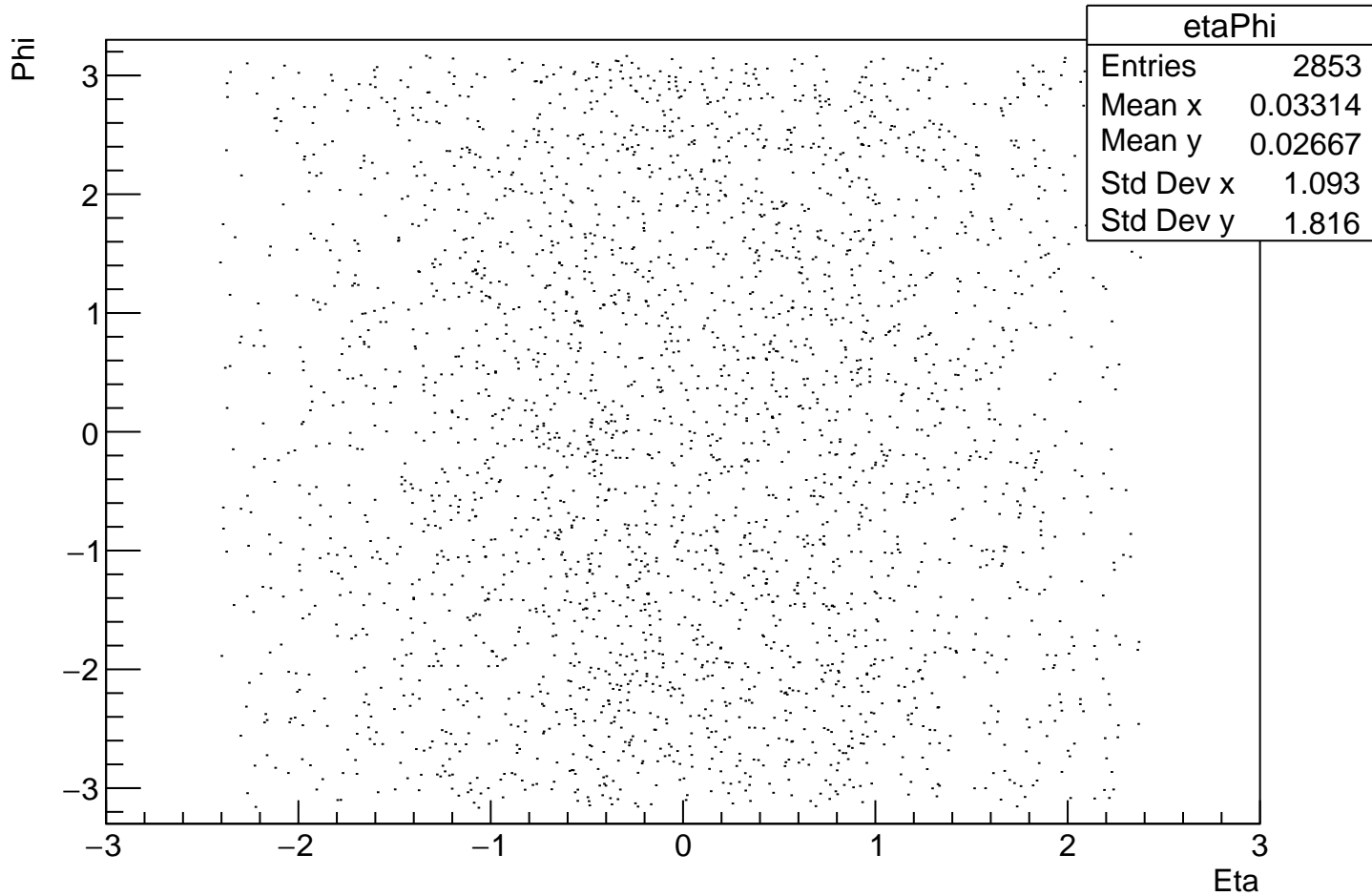


offJetsMedDeepCSV_matchedPFDDeepCSV/e

Entries



offJetsMedDeepCSV_matchedPFDeepCSV/etaPhi



offJetsMedDeepCSV_matchedPFDeepCSV/cleanmask

Entries

1
0.8
0.6
0.4
0.2
0

-0.4

-0.2

0

0.2

0.4

0.6

0.8

1

1.2

1.4

Clean Mask

cleanmask

Entries	2853
Mean	0
Std Dev	0

offJetsMedDeepCSV_matchedPFDeepCSV/deepB

Entries

1

0.8

0.6

0.4

0.2

0

0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

Deep B

deepB

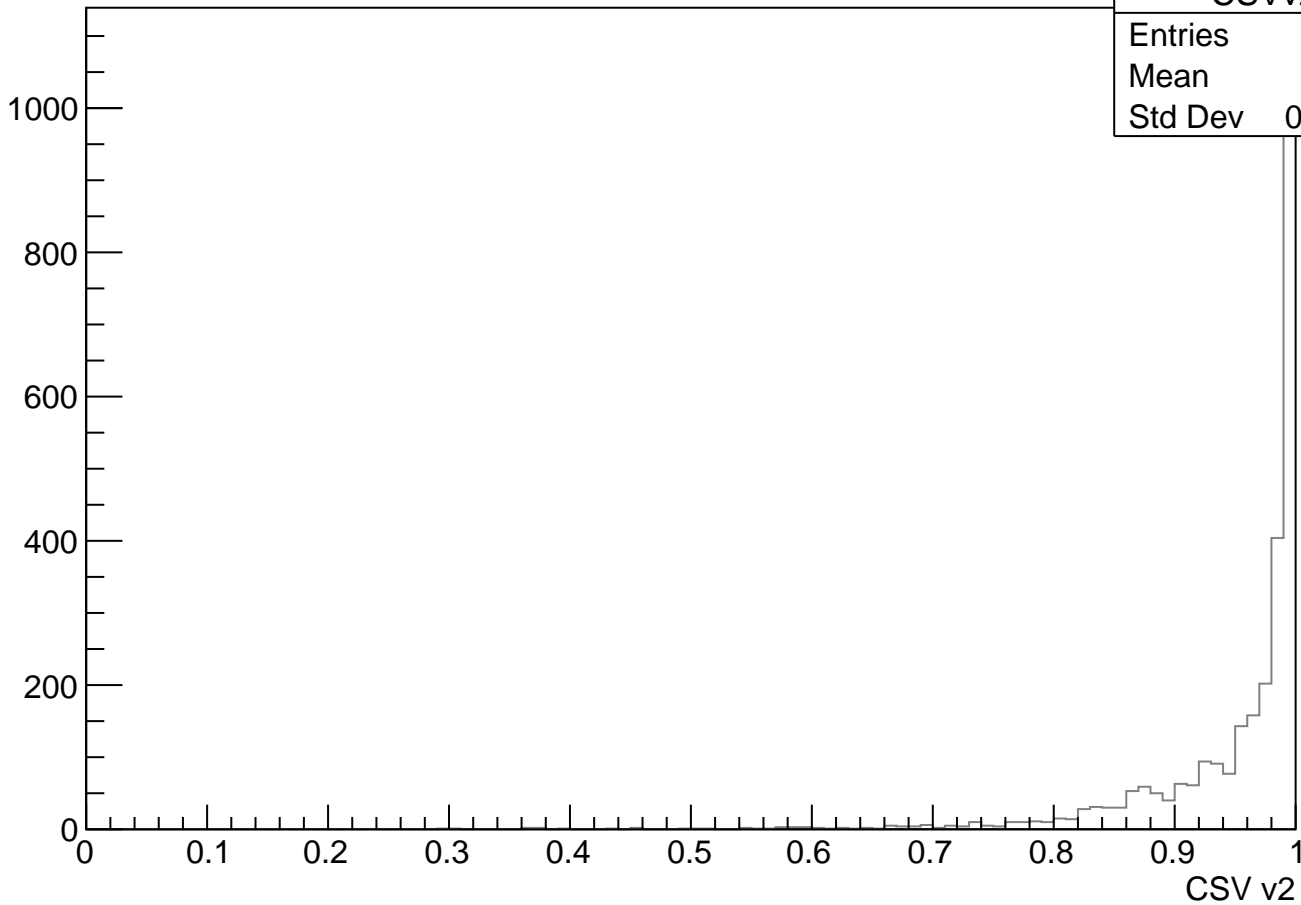
Entries	2853
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Mean	0
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Std Dev	0
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offJetsMedDeepCSV_matchedPFDeepCSV/CSVv2

Entries



CSVv2

Entries 2853

Mean 0.9495

Std Dev 0.07706

offJetsMedDeepCSV_matchedPFDeepCSV/deepFlavB

Entries

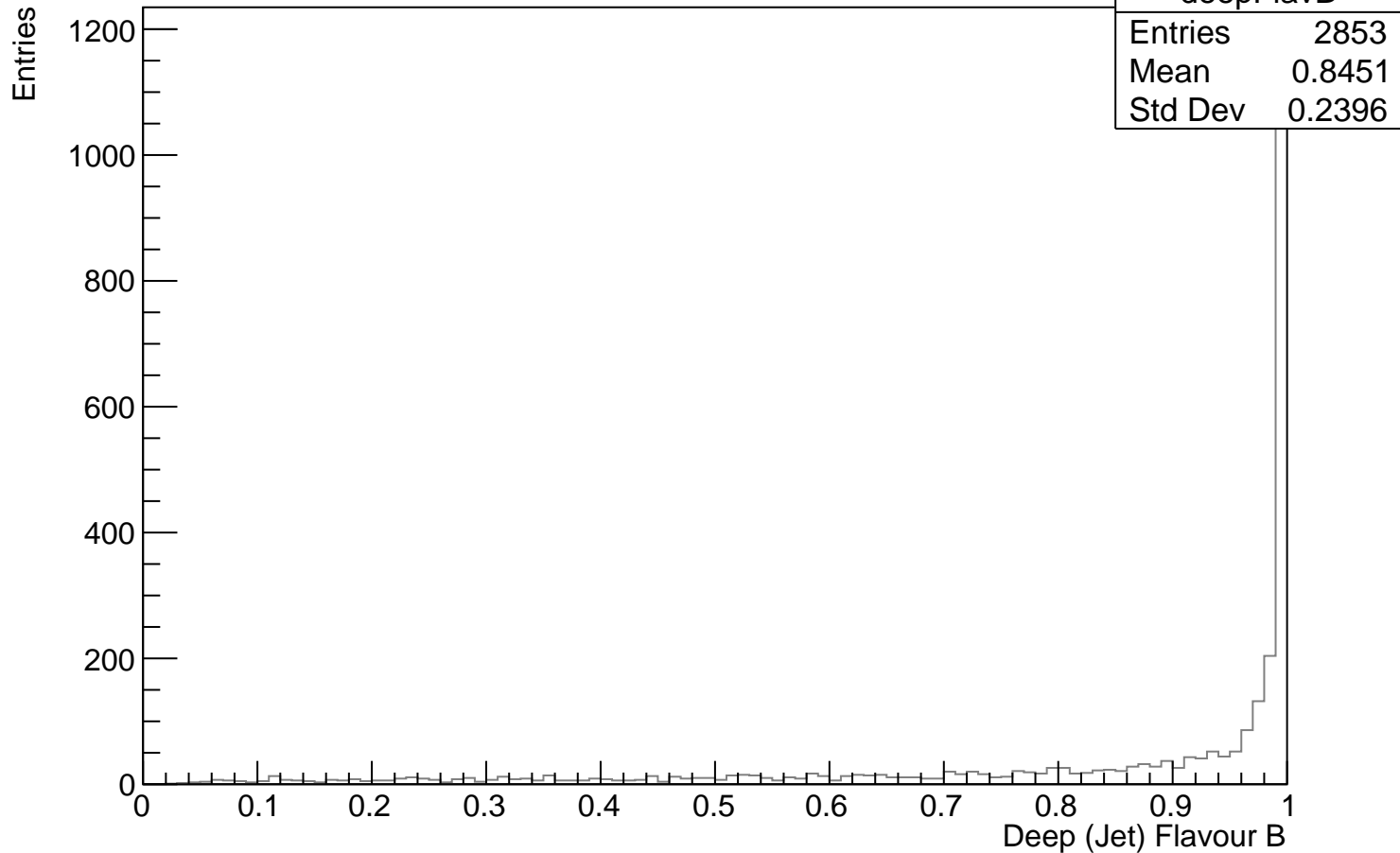
1200
1000
800
600
400
200
0

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

Deep (Jet) Flavour B

deepFlavB

Entries	2853
Mean	0.8451
Std Dev	0.2396



offJetsMedDeepCSV_matchedPFDeepCSV/CSVv2_I

Entries

1000

800

600

400

200

0

-0.2

0

0.2

0.4

0.6

0.8

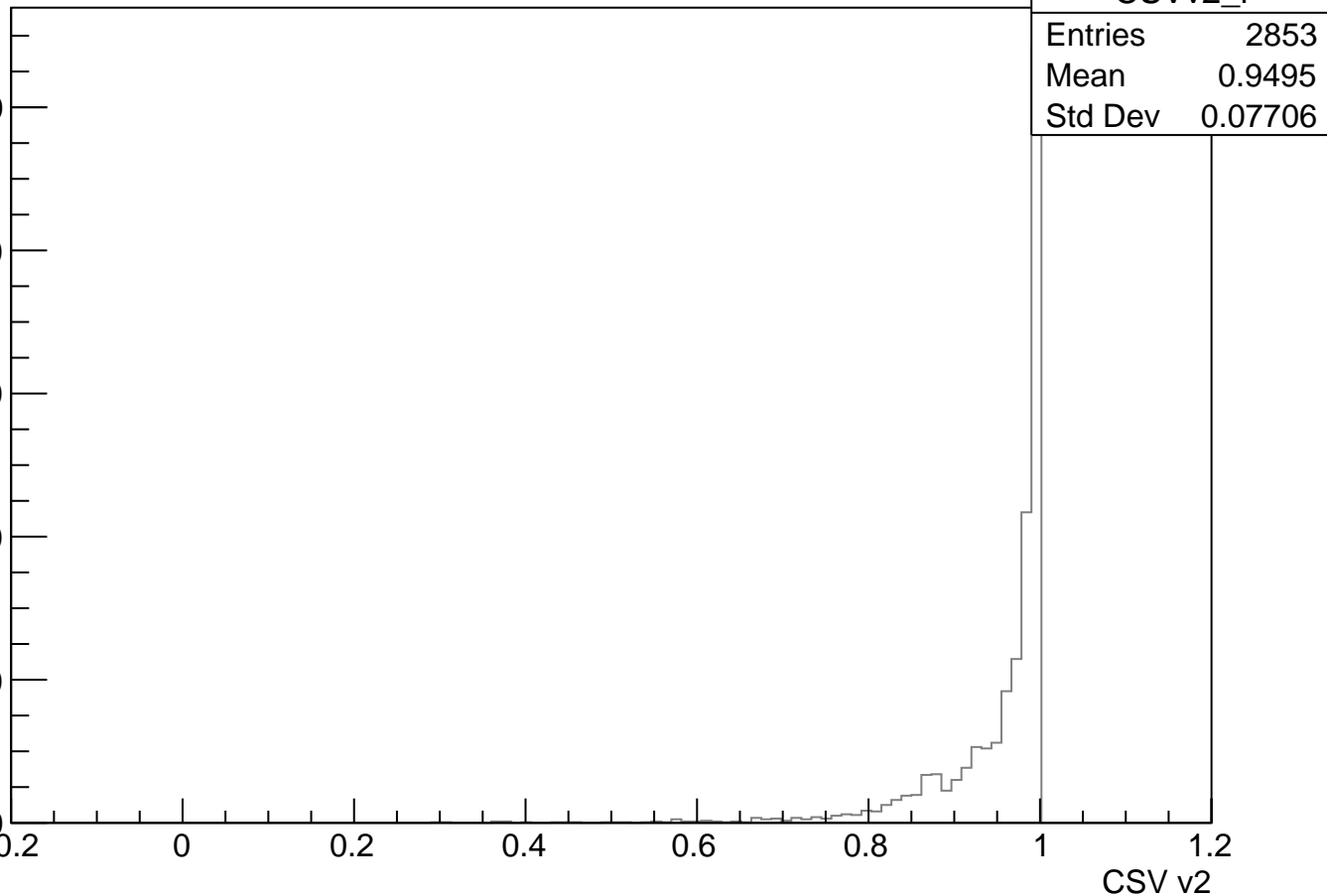
CSV v2

CSVv2_I

Entries 2853

Mean 0.9495

Std Dev 0.07706



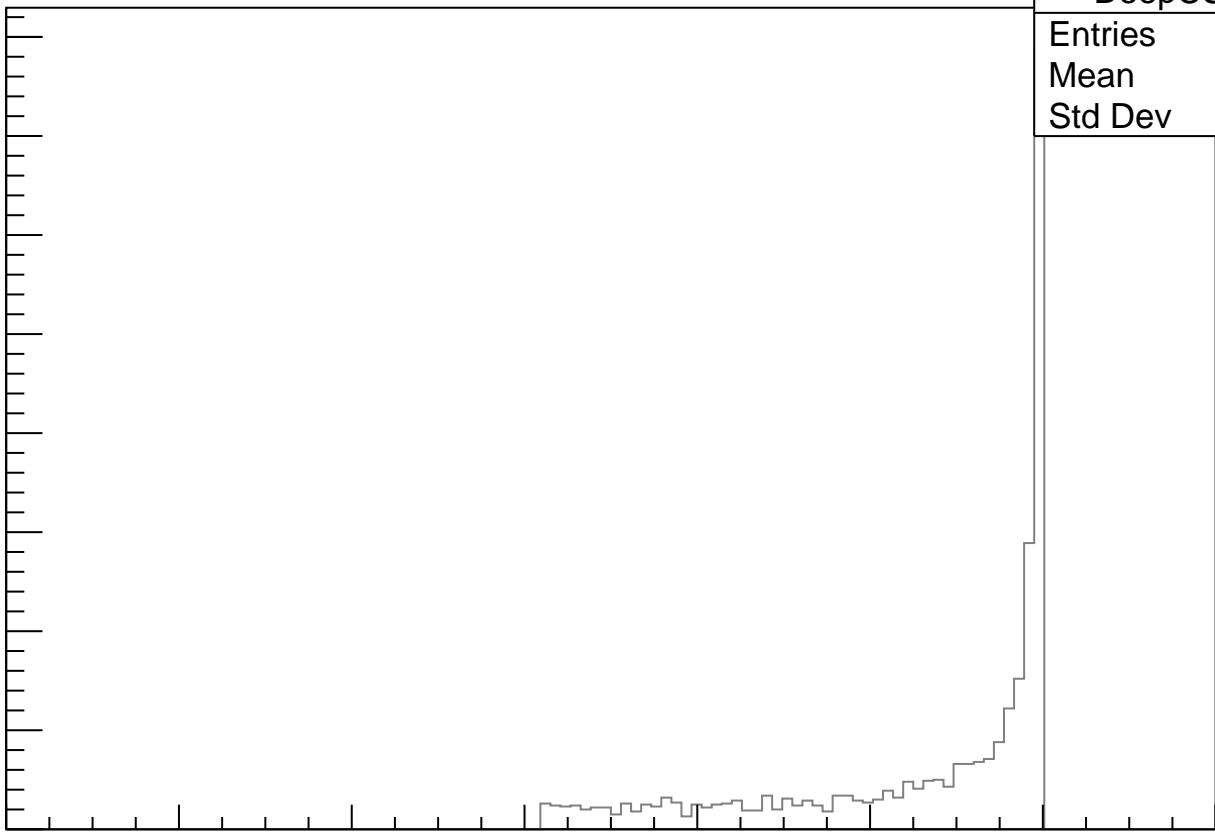
offJetsMedDeepCSV_matchedPFDeepCSV/DeepCSV_I

Entries

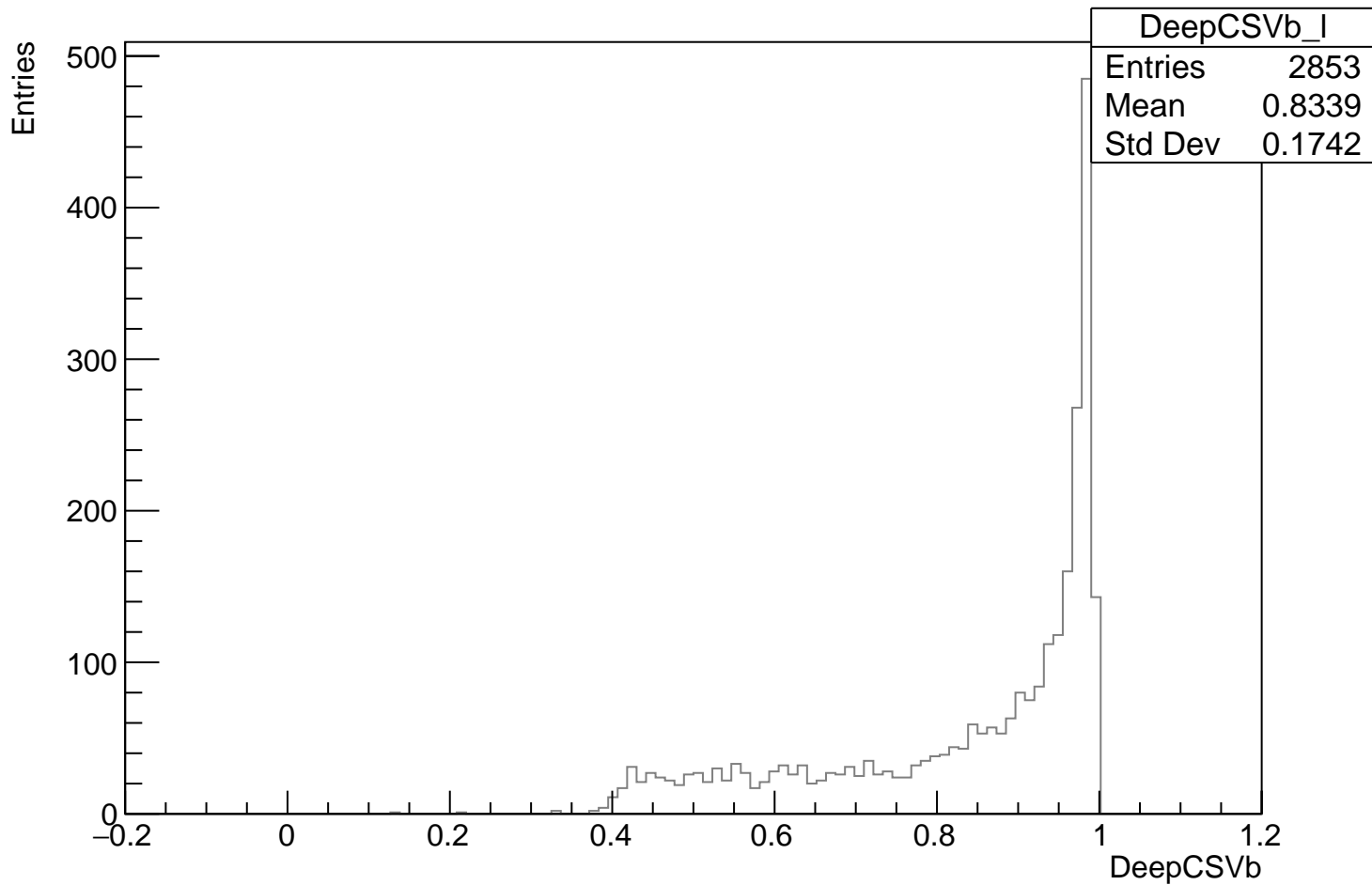
800
700
600
500
400
300
200
100
0

DeepCSV_I	
Entries	2853
Mean	0.8603
Std Dev	0.169

DeepCSV

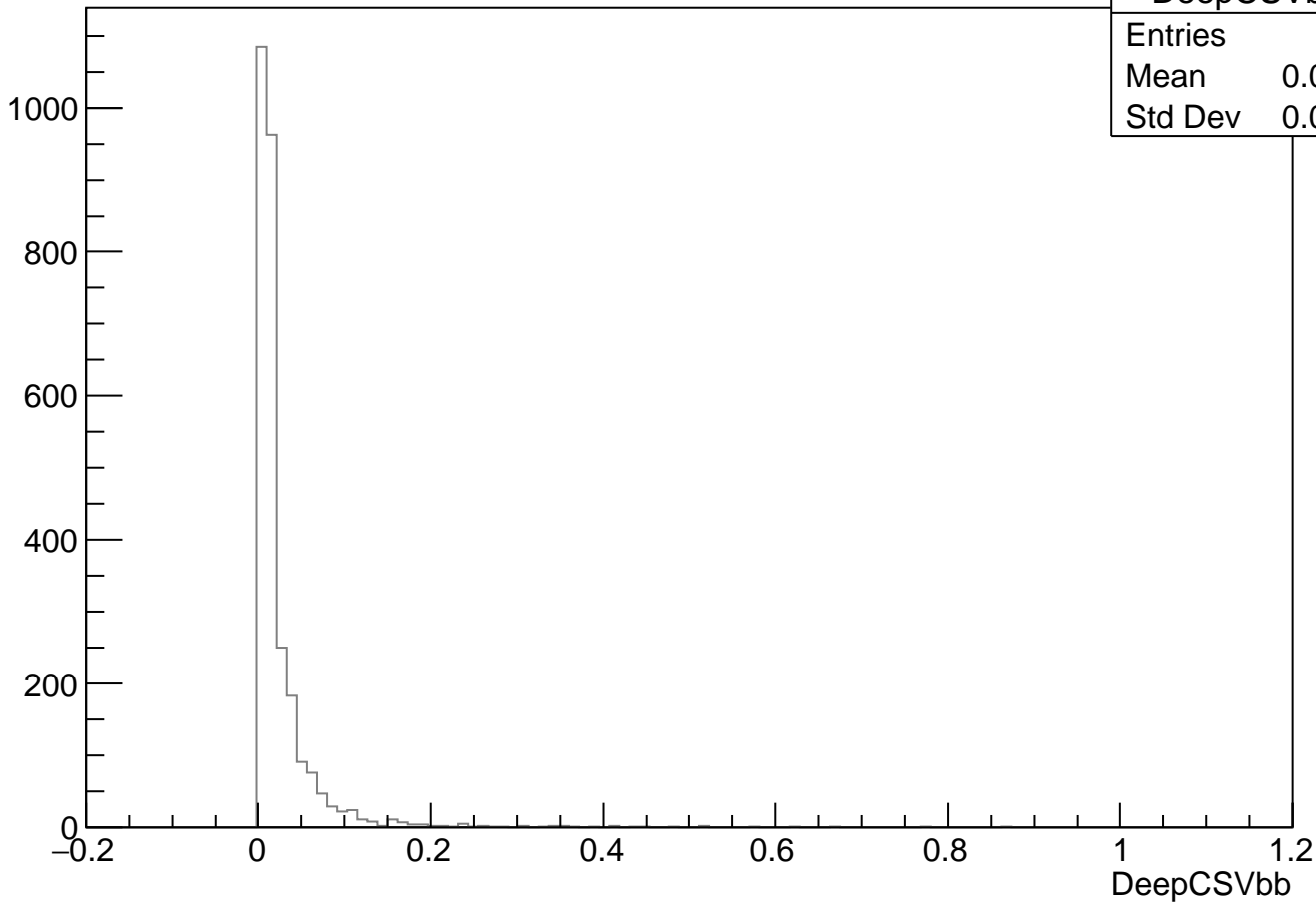


offJetsMedDeepCSV_matchedPFDeepCSV/DeepCSVb_l



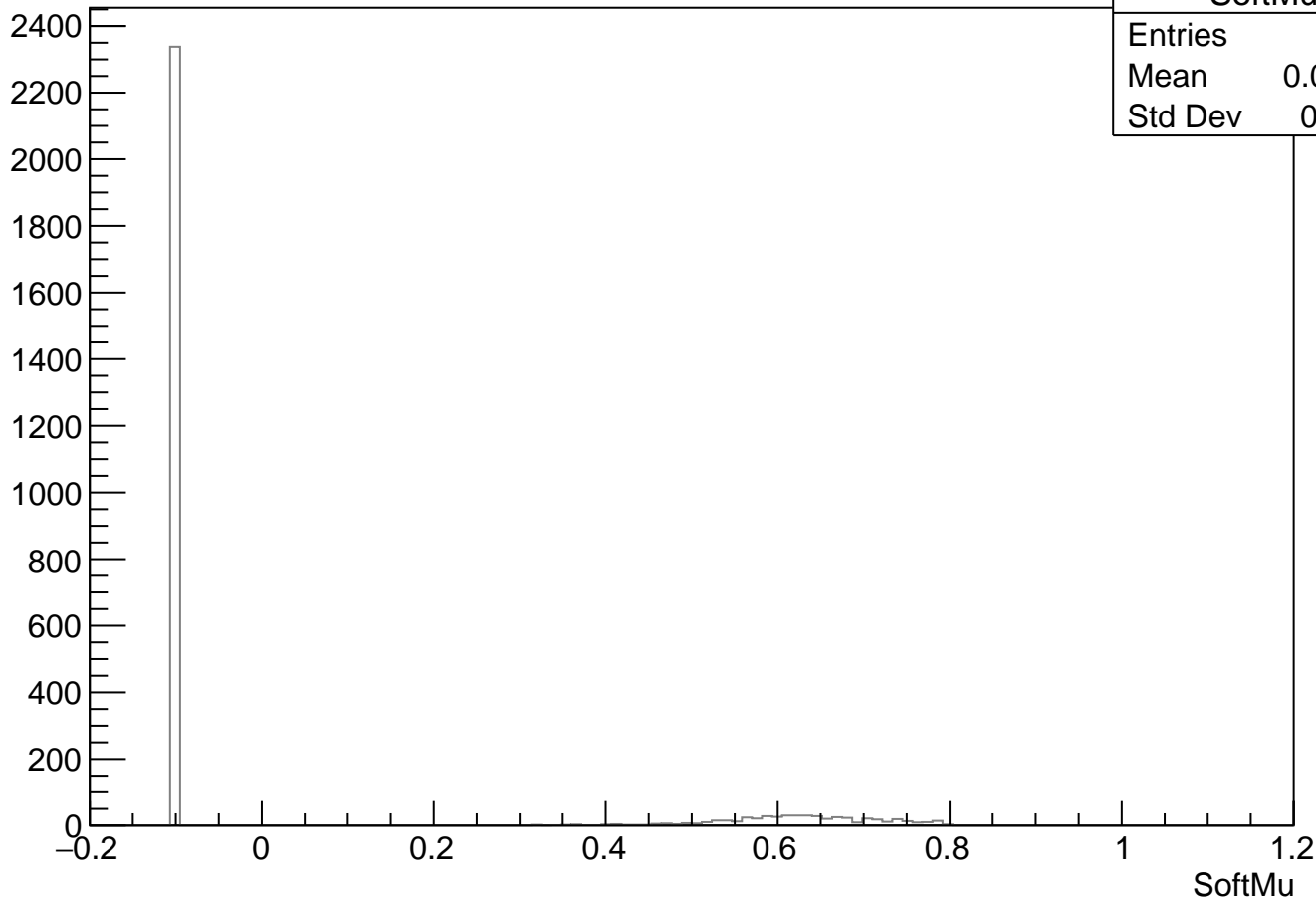
offJetsMedDeepCSV_matchedPFDeepCSV/DeepCSVbb_I

Entries



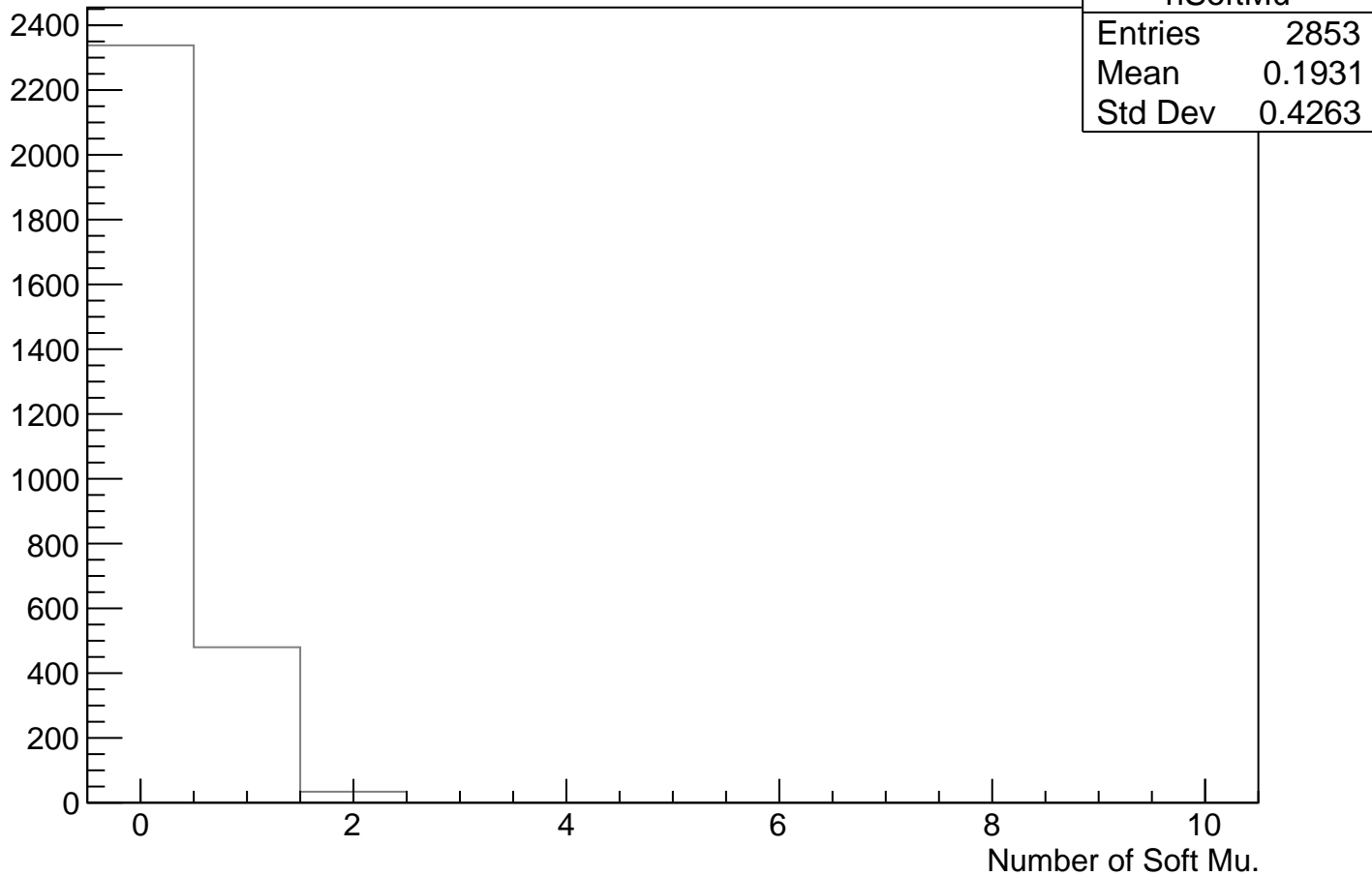
offJetsMedDeepCSV_matchedPFDeepCSV/SoftMu

Entries



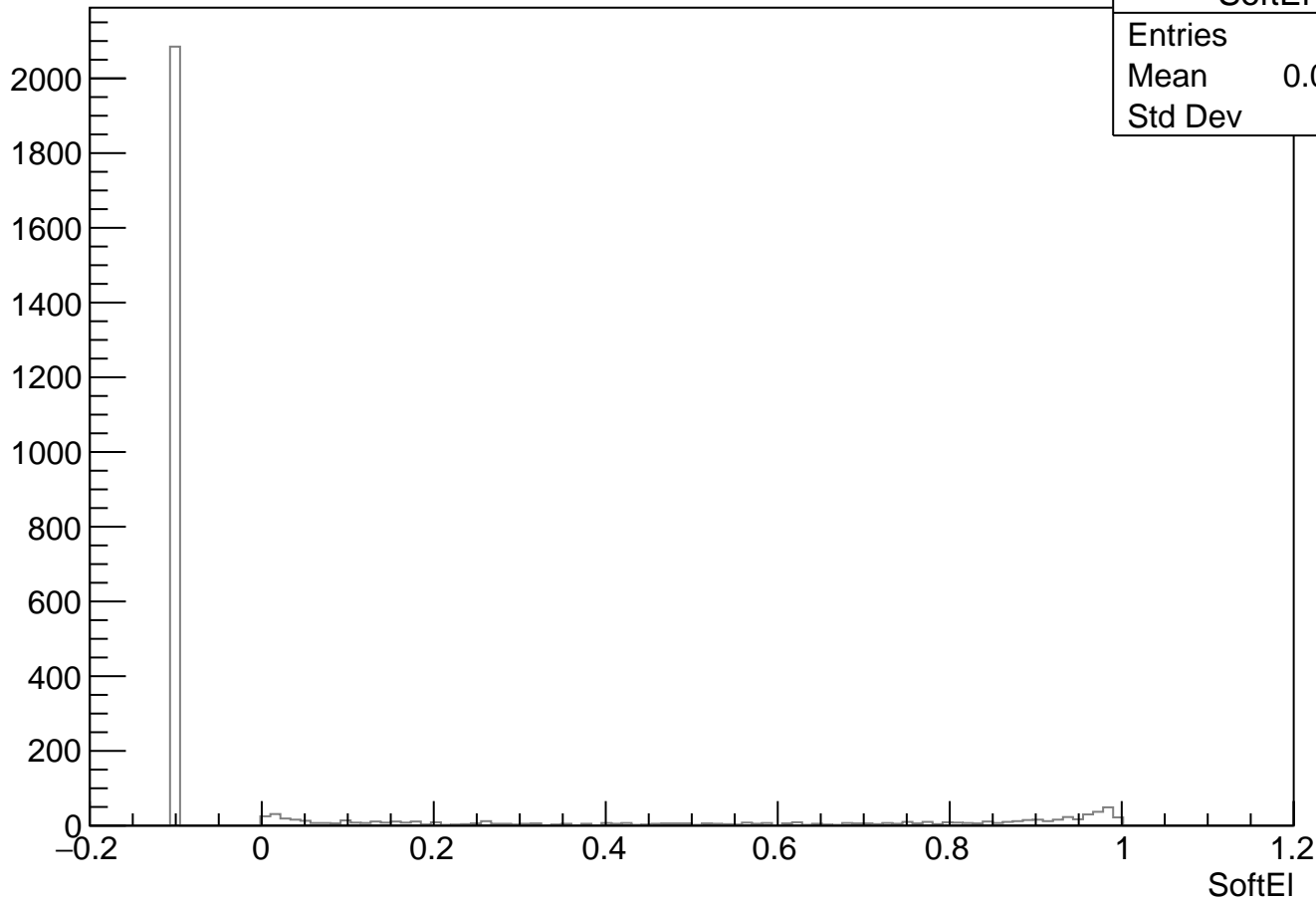
offJetsMedDeepCSV_matchedPFDeepCSV/nSoftMu

Entries



offJetsMedDeepCSV_matchedPFDeepCSV/SoftEI

Entries



SoftEI

Entries	2853
Mean	0.07773
Std Dev	0.348

offJetsMedDeepCSV_matchedPFDeepCSV/nSoftEl

Entries

2000
1800
1600
1400
1200
1000
800
600
400
200
0

0

2

4

6

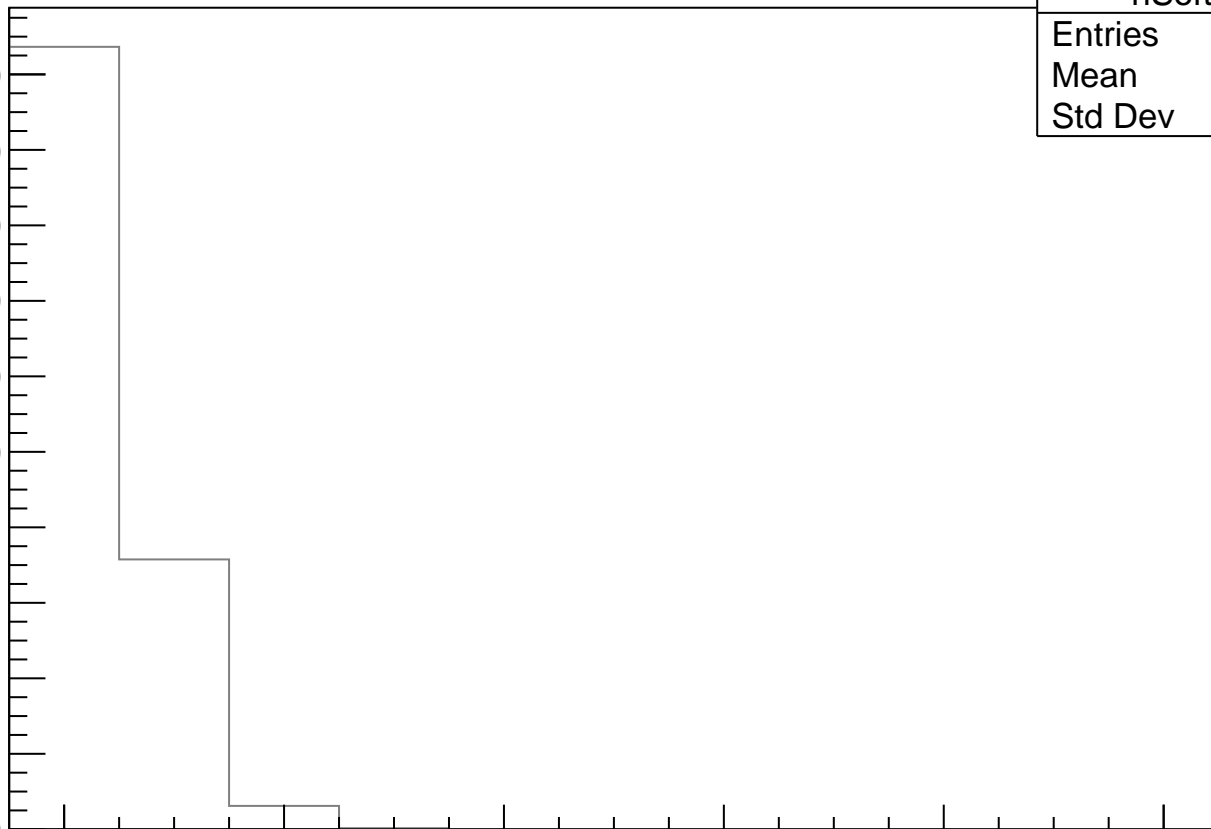
8

10

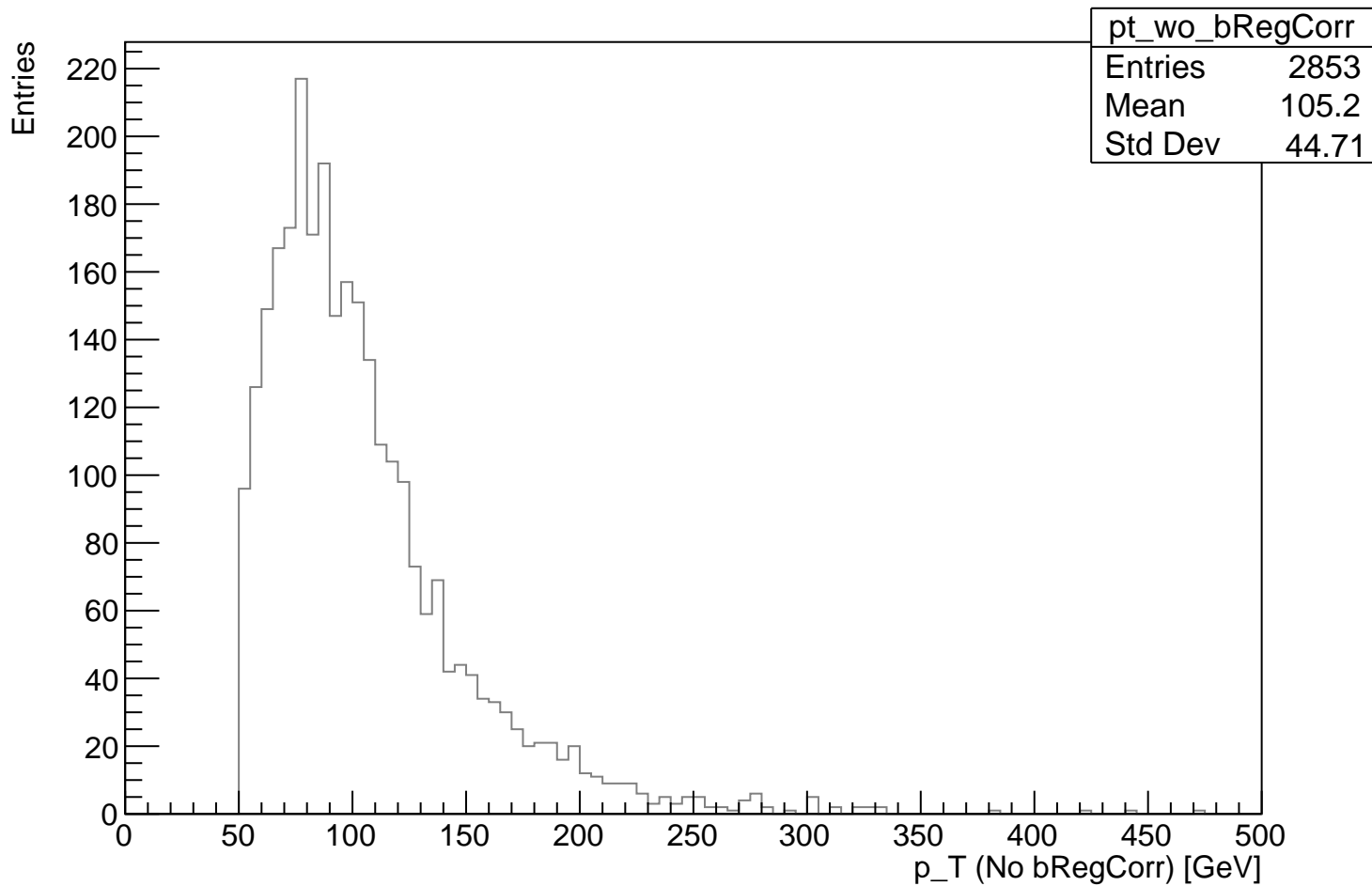
Number of Soft El

nSoftEl

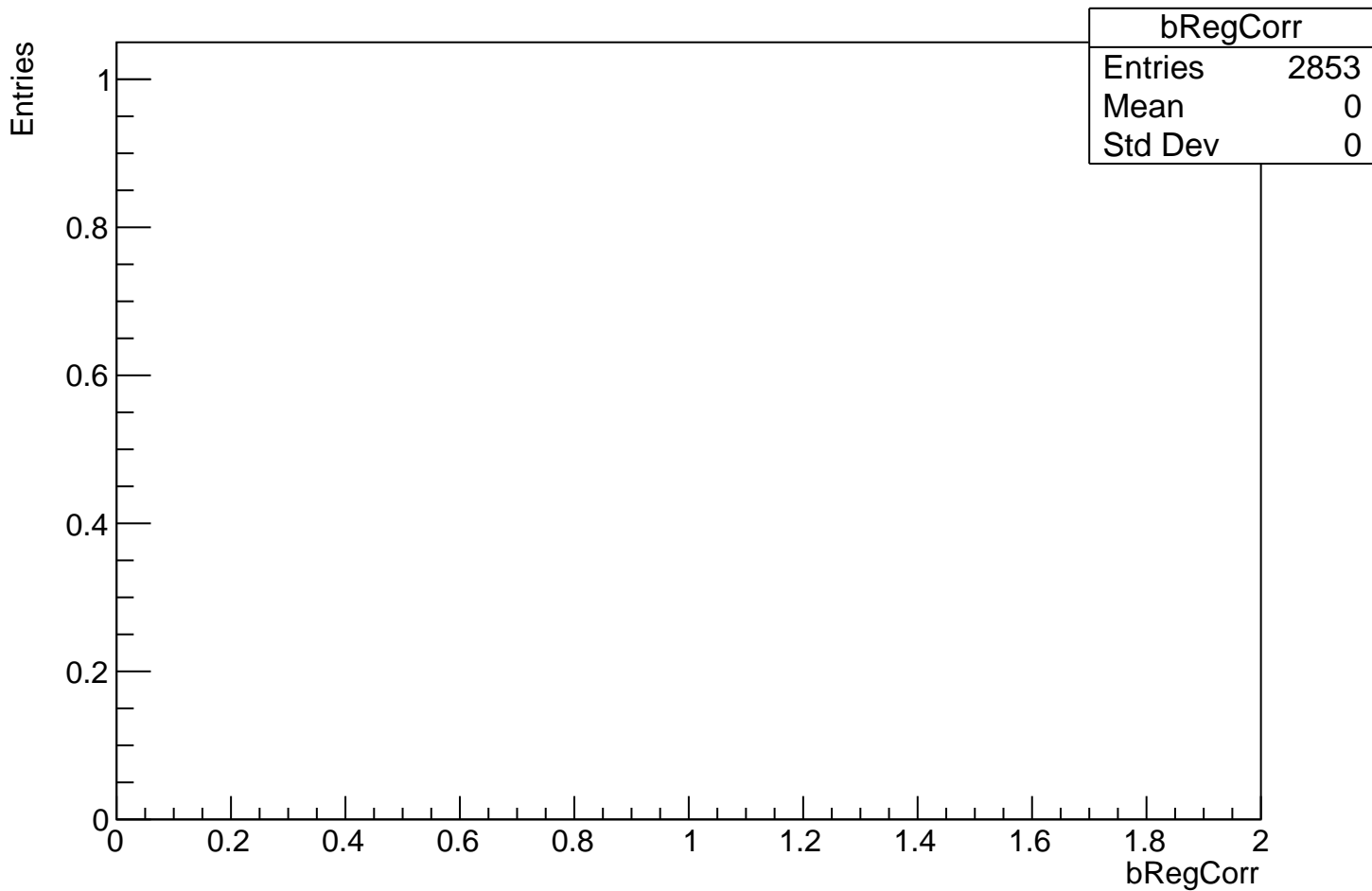
Entries	2853
Mean	0.2972
Std Dev	0.5086



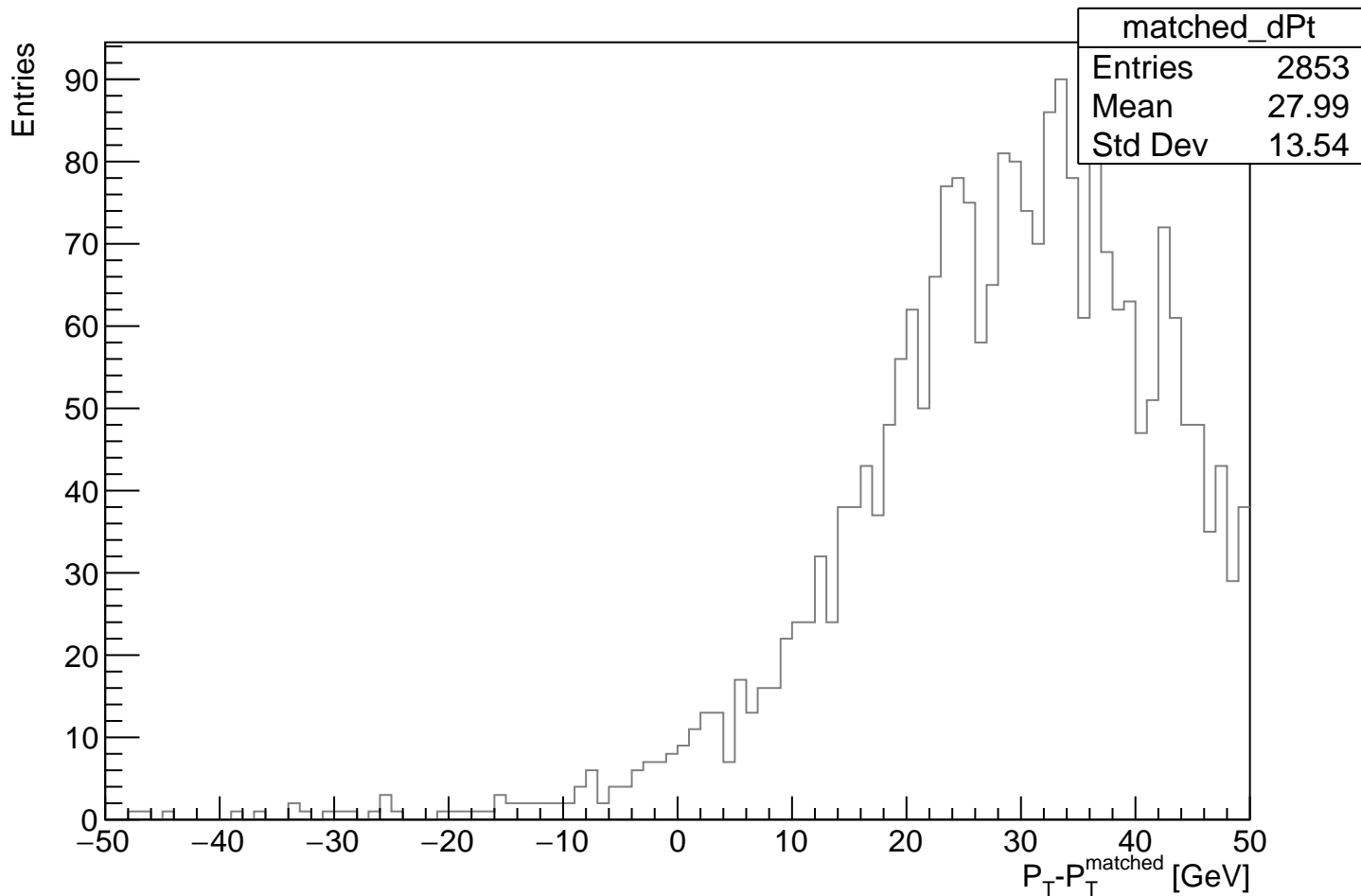
offJetsMedDeepCSV_matchedPFDeepCSV/pt_wo_bRegCorr



offJetsMedDeepCSV_matchedPFDeepCSV/bRegCorr



offJetsMedDeepCSV_matchedPFDeepCSV/matched_dPt



offJetsMedDeepCSV_matchedPFDeepCSV/matched_dEta

Entries

700
600
500
400
300
200
100
0

matched_dEta	
Entries	2853
Mean	-0.0004105
Std Dev	0.02546

-0.5 -0.4 -0.3 -0.2 -0.1 0 0.1 0.2 0.3 0.4 0.5

$\eta - \eta^{\text{matched}}$

offJetsMedDeepCSV_matchedPFDeepCSV/matched_dPhi

Entries

600

500

400

300

200

100

0

-0.5 -0.4 -0.3 -0.2 -0.1 0 0.1 0.2 0.3 0.4 0.5

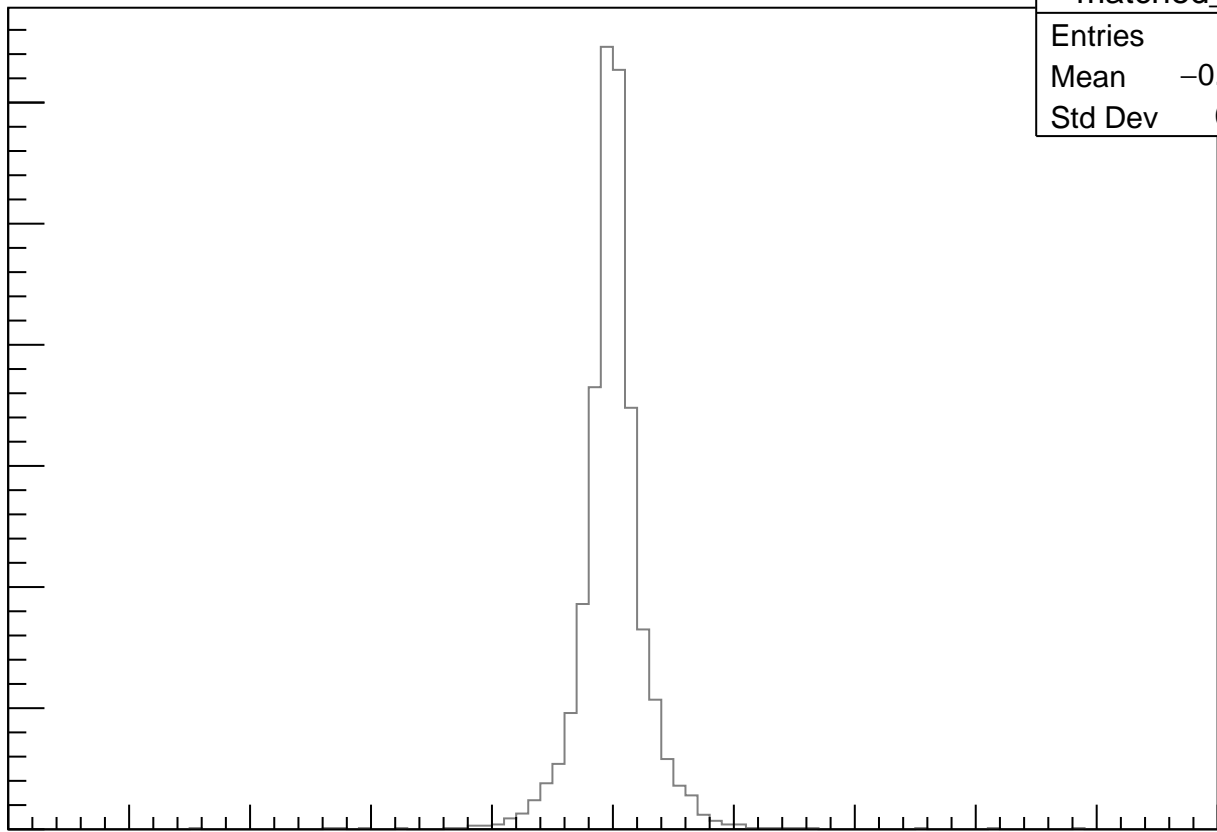
matched_dPhi

Entries 2853

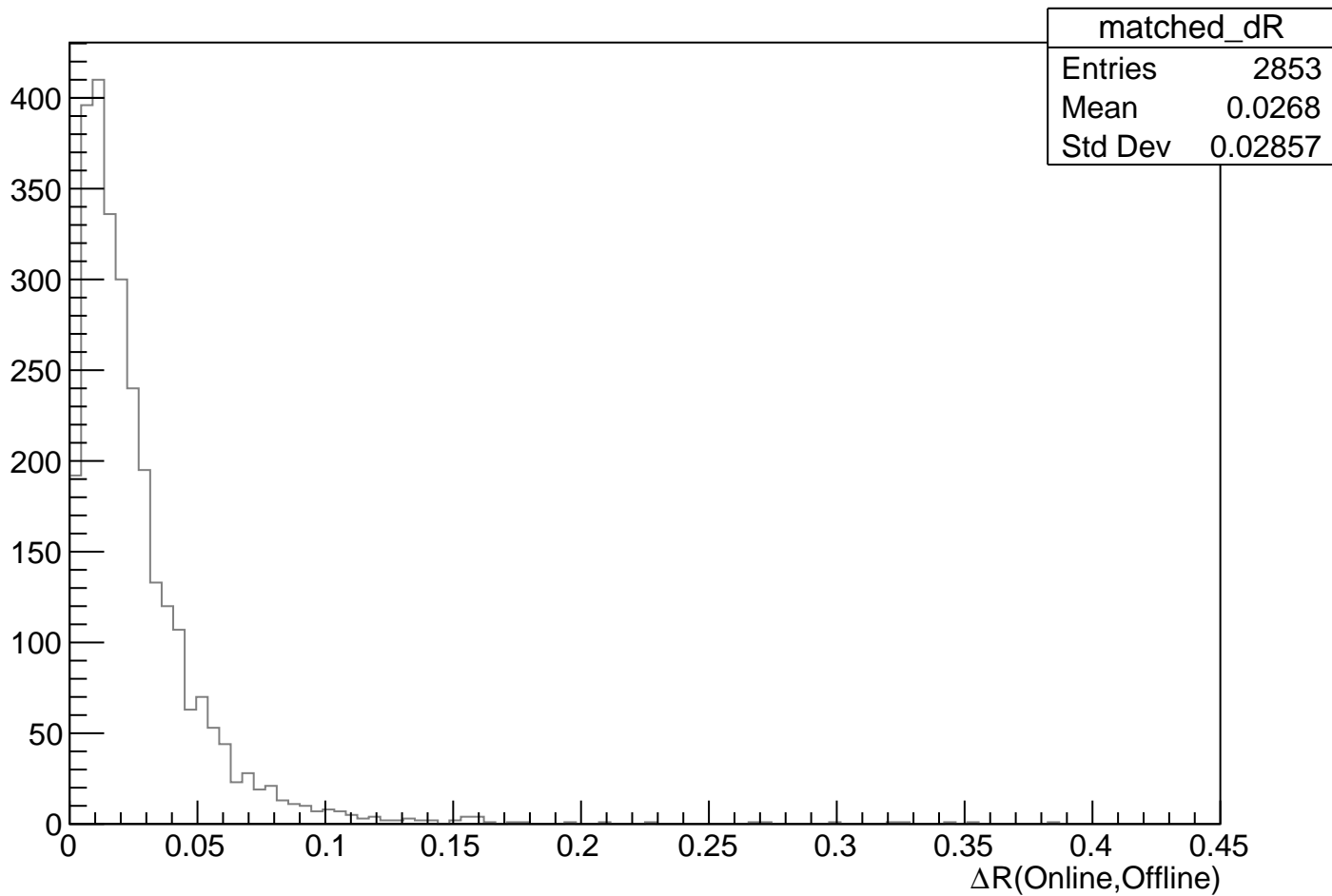
Mean -0.000144

Std Dev 0.02976

$\phi - \phi^{\text{matched}}$



offJetsMedDeepCSV_matchedPFDeepCSV/matched_dR



offJetsMedDeepCSV_matchedPFDeepCSV/matched_dcsv

Entries

100

80

60

40

20

0

matched_dcsv	
Entries	2853
Mean	0.9134
Std Dev	0.1006

CSV-CSV^{matched}

1

offJetsMedDeepCSV_matchedPFDeepCSV/matched_dDeepcsv

Entries

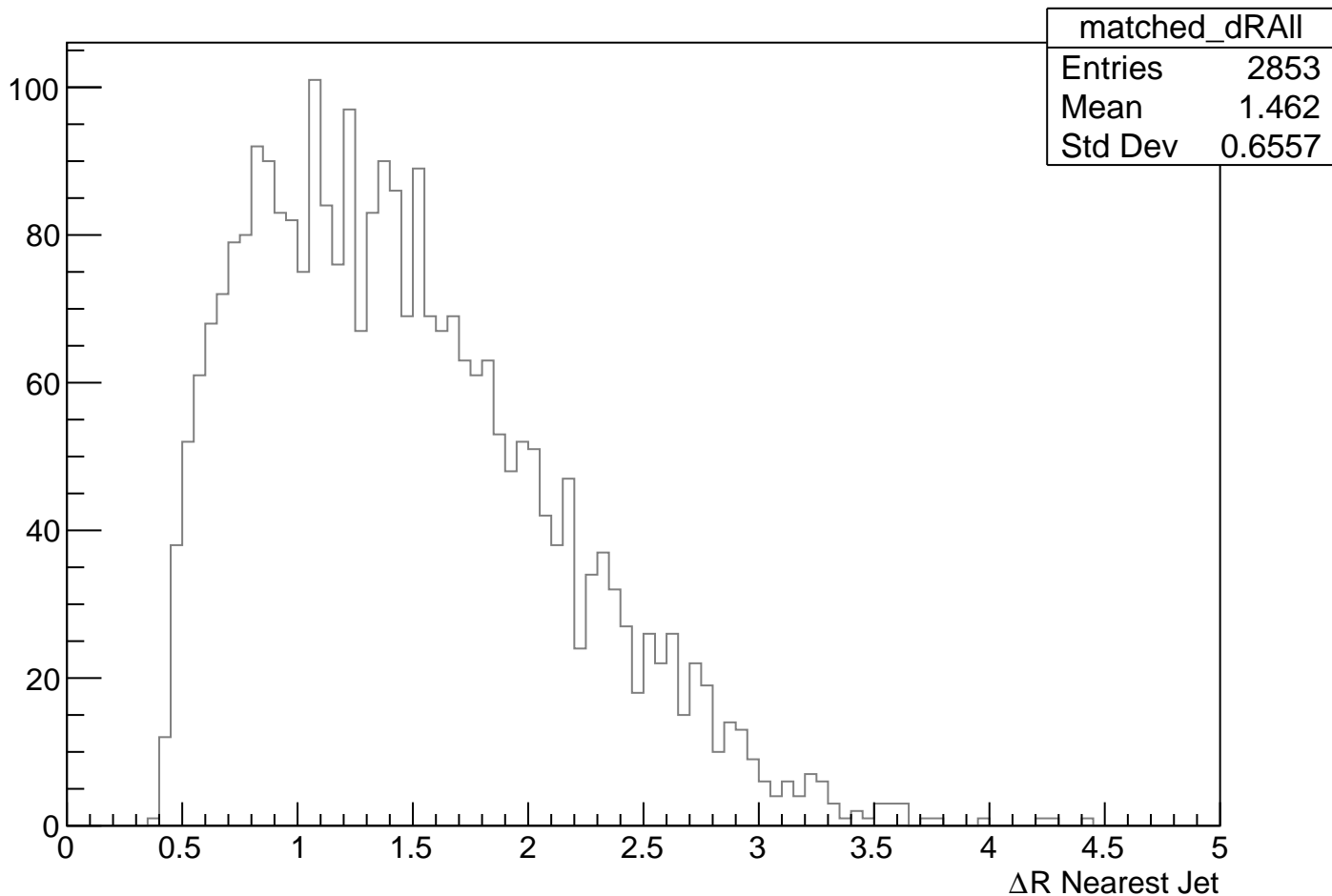
600
500
400
300
200
100
0

matched_dDeepcsv	
Entries	2853
Mean	0.04517
Std Dev	0.1637

DeepCSV-DeepCSV^{matched}

1

offJetsMedDeepCSV_matchedPFDeepCSV/matched_dRAI1



offJetsMedDeepCSV_matchedPFDeepCSV/matched_dRBjet

