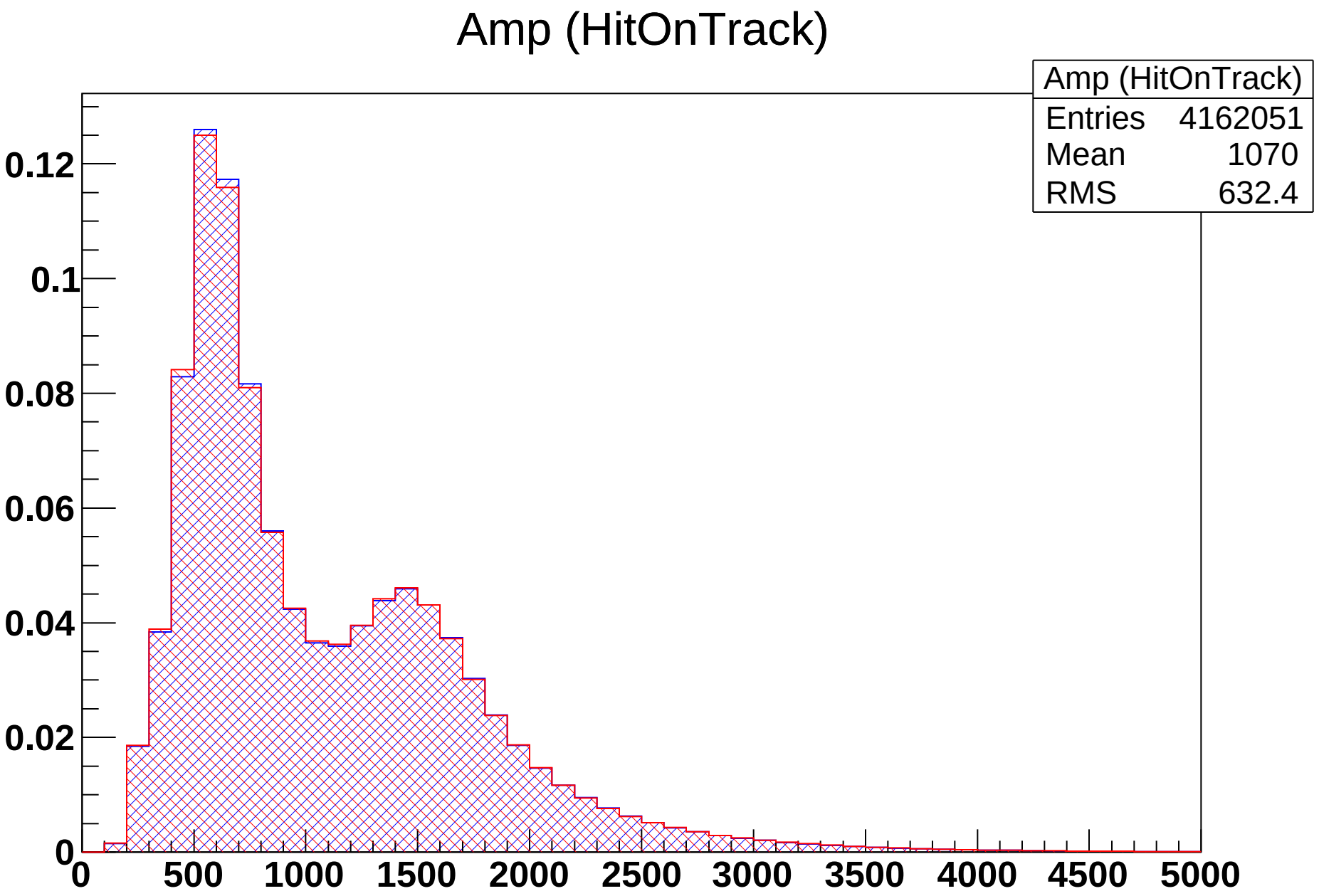
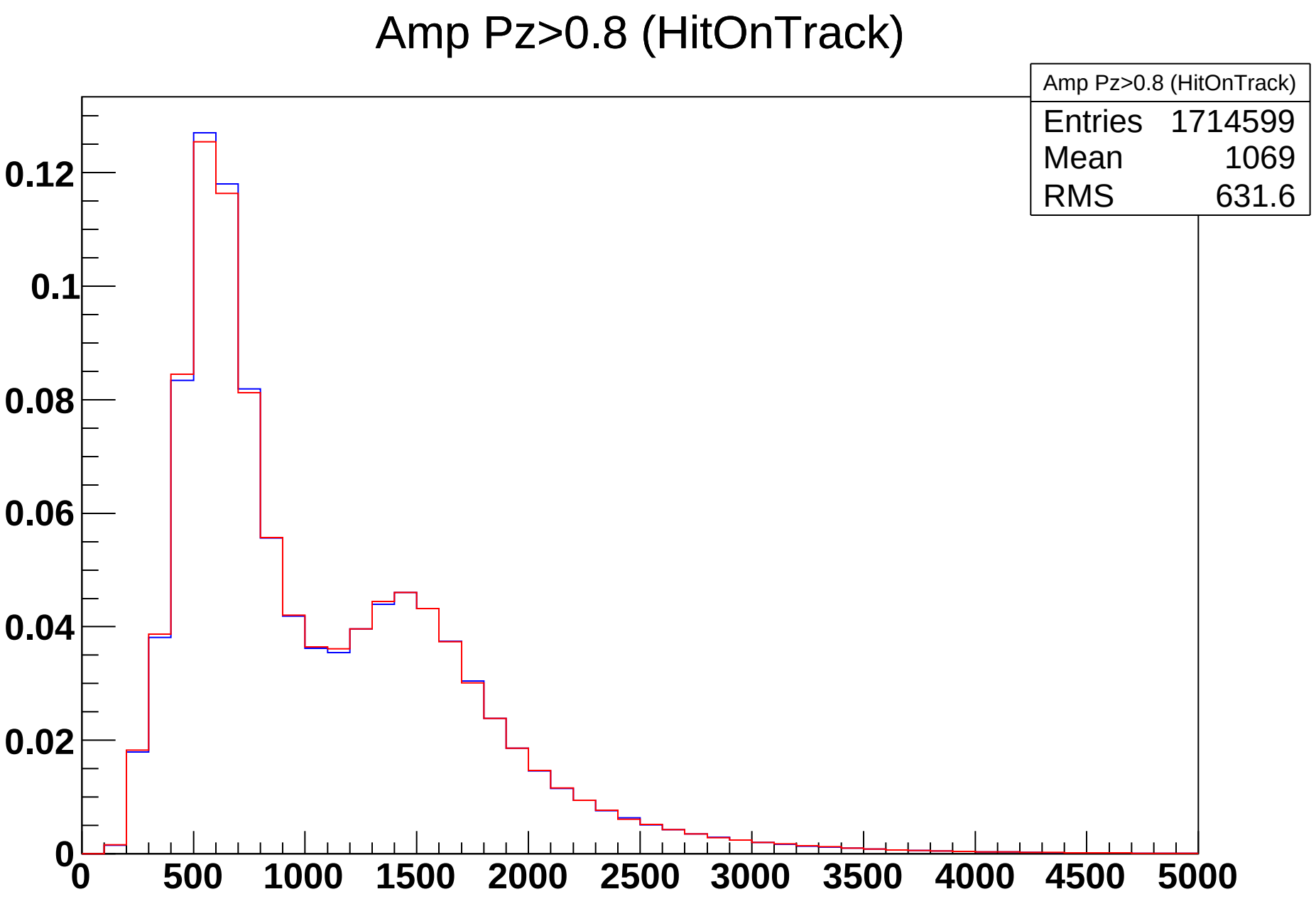
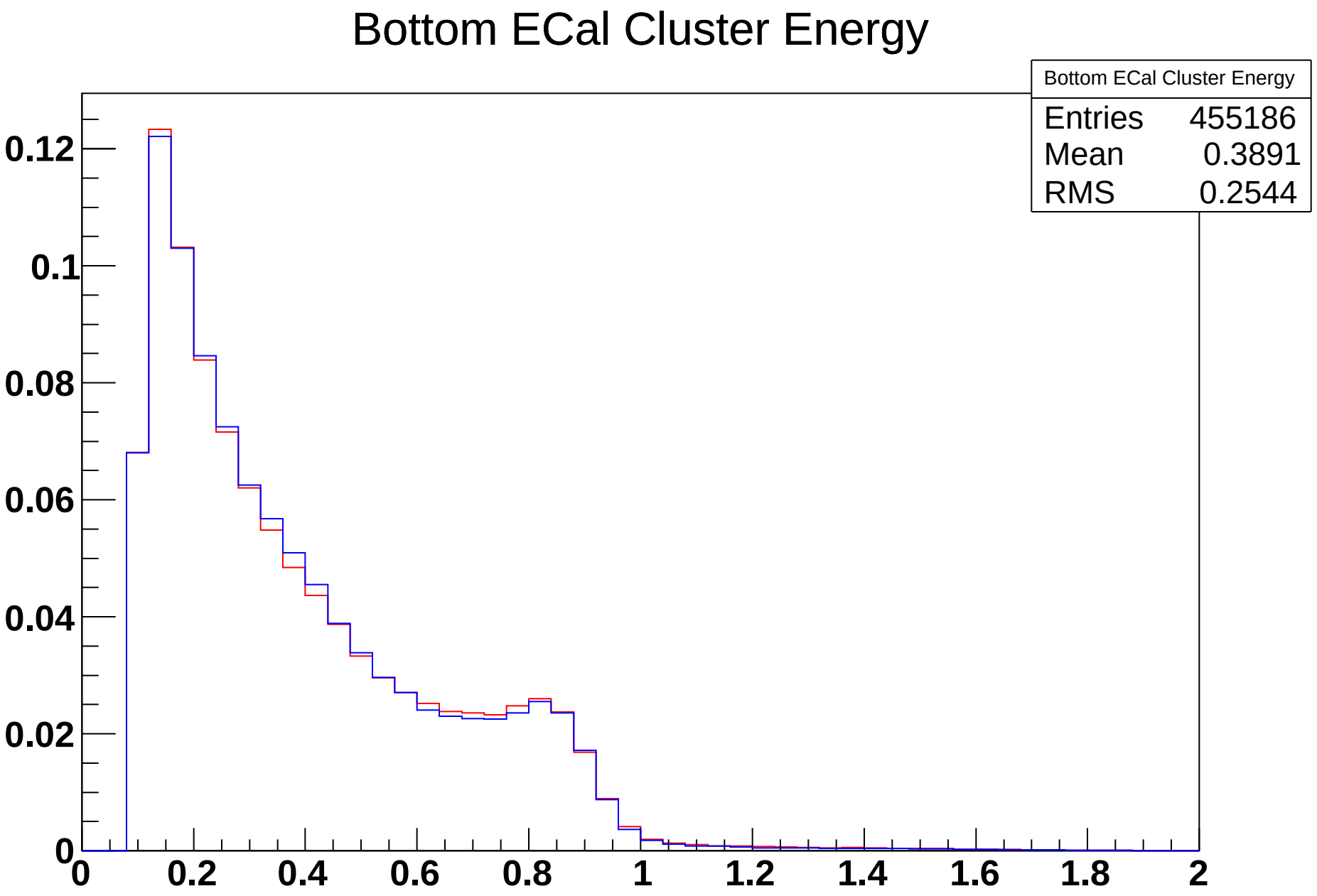
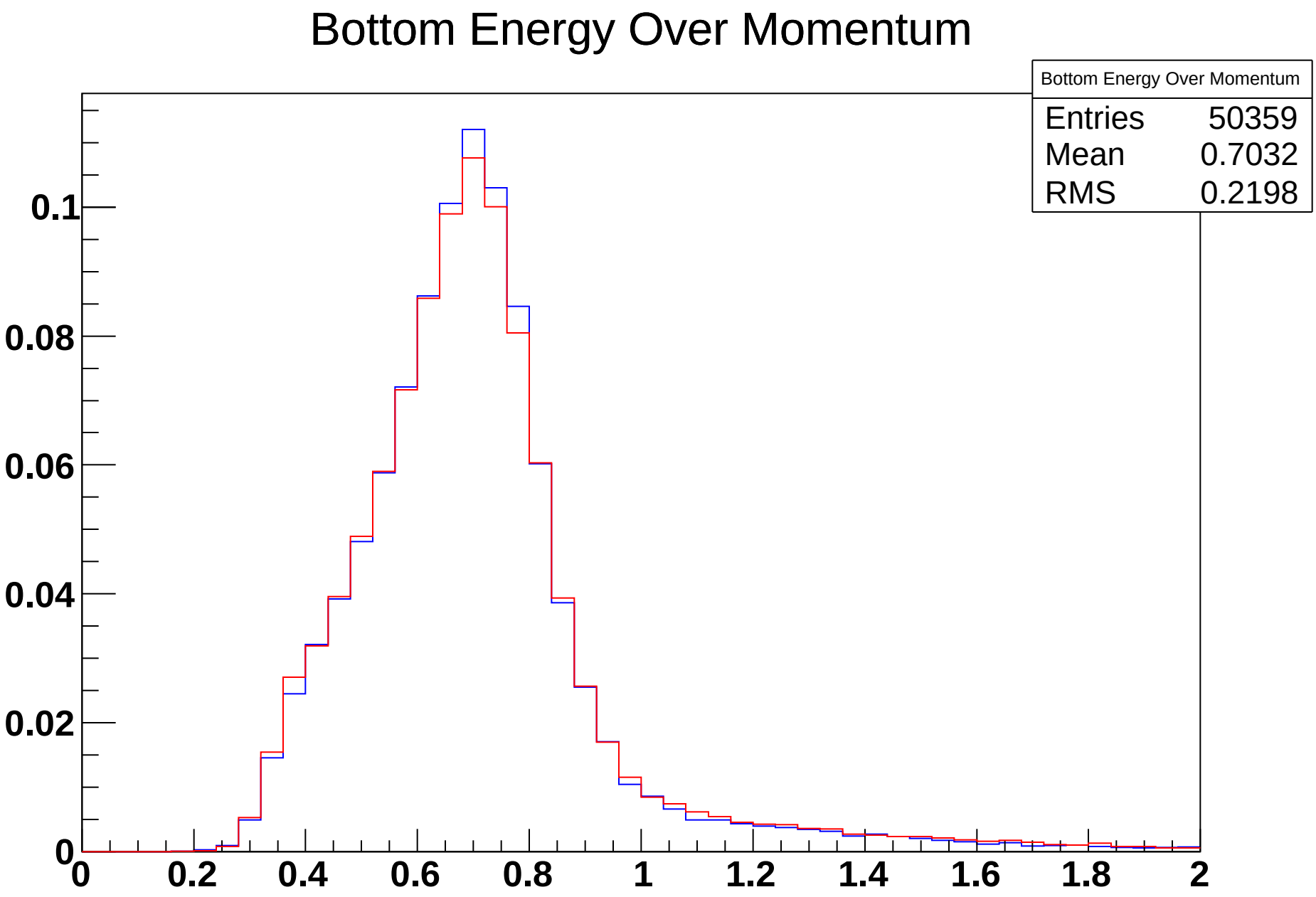
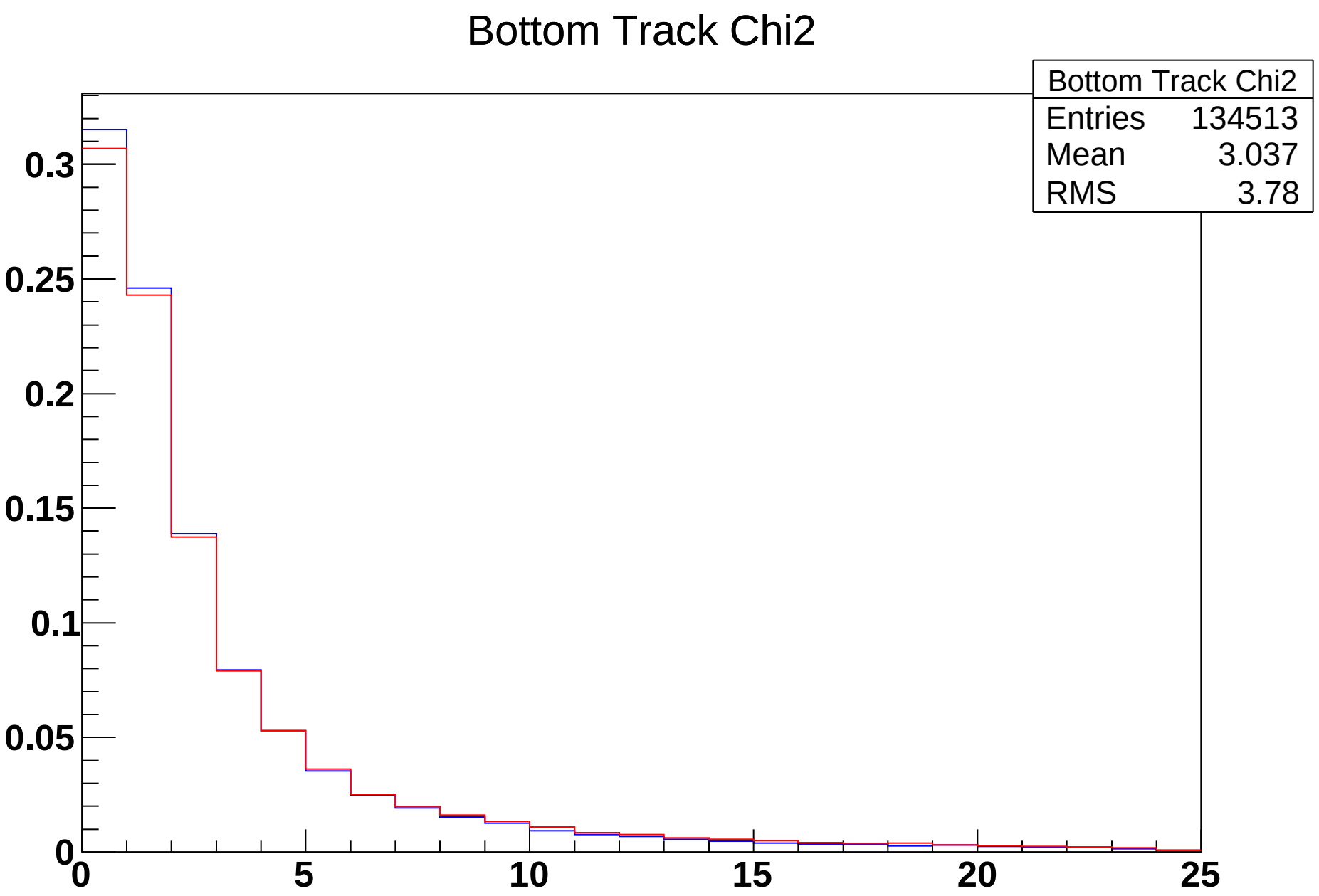
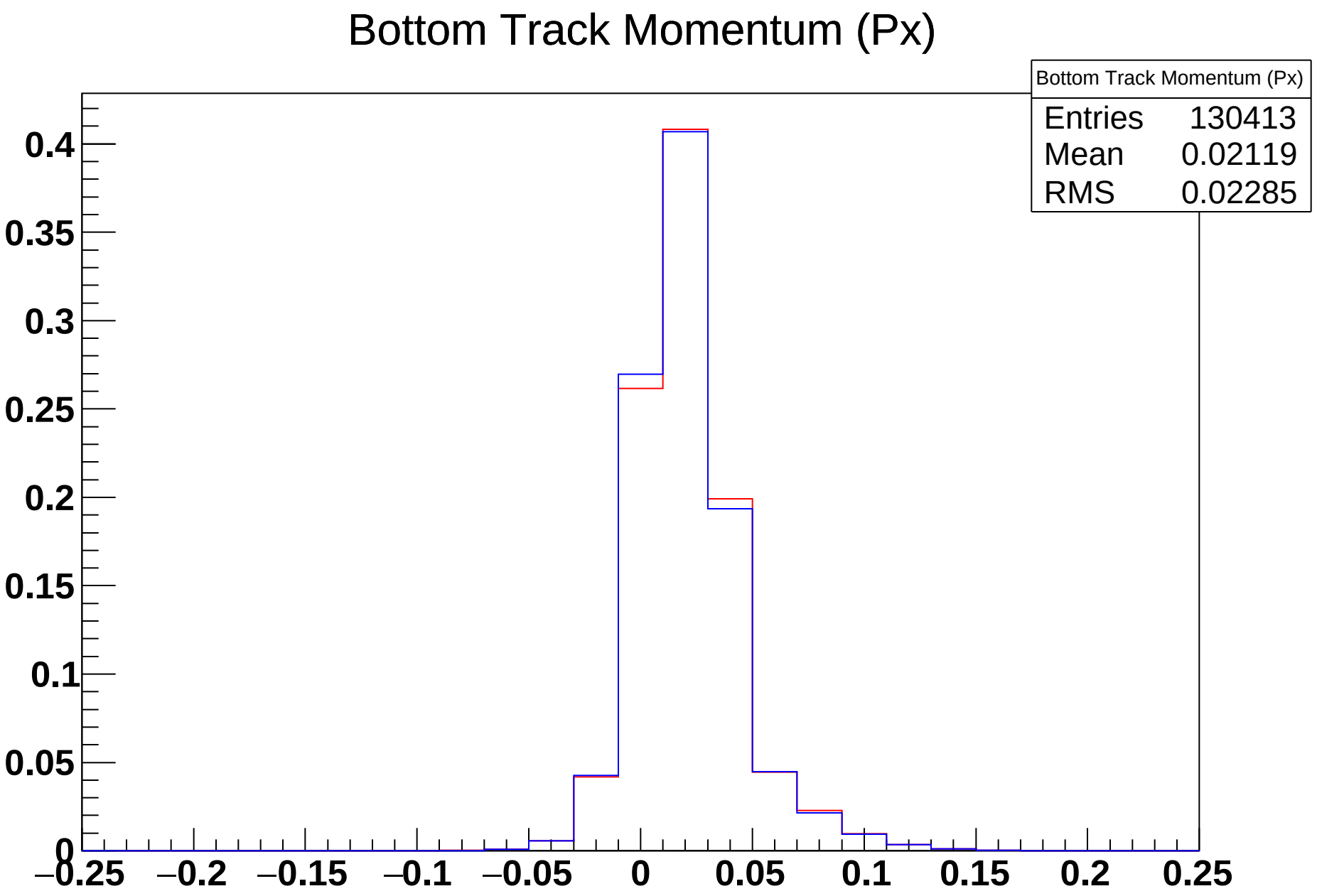

Amp (HitOnTrack)
Amp (HitOnTrack)
Entries 4162051
Mean 1070
RMS 632.4
0.12
0.1
0.08
0.06
0.04
0.02
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000

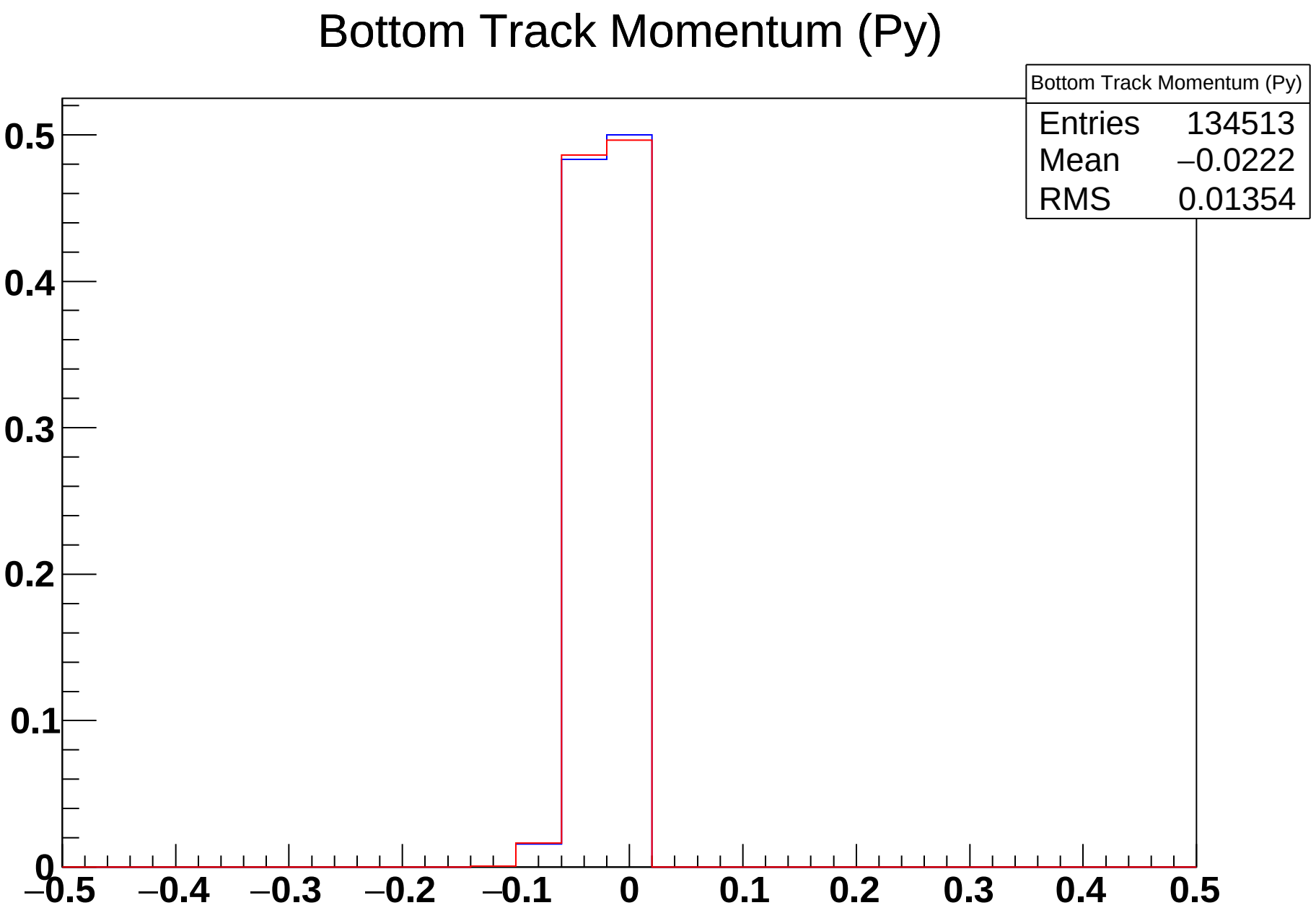

Amp Pz>0.8 (HitOnTrack)
Amp Pz>0.8 (HitOnTrack)
Entries 1714599
Mean 1069
RMS 631.6
0.12
0.1
0.08
0.06
0.04
0.02
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000

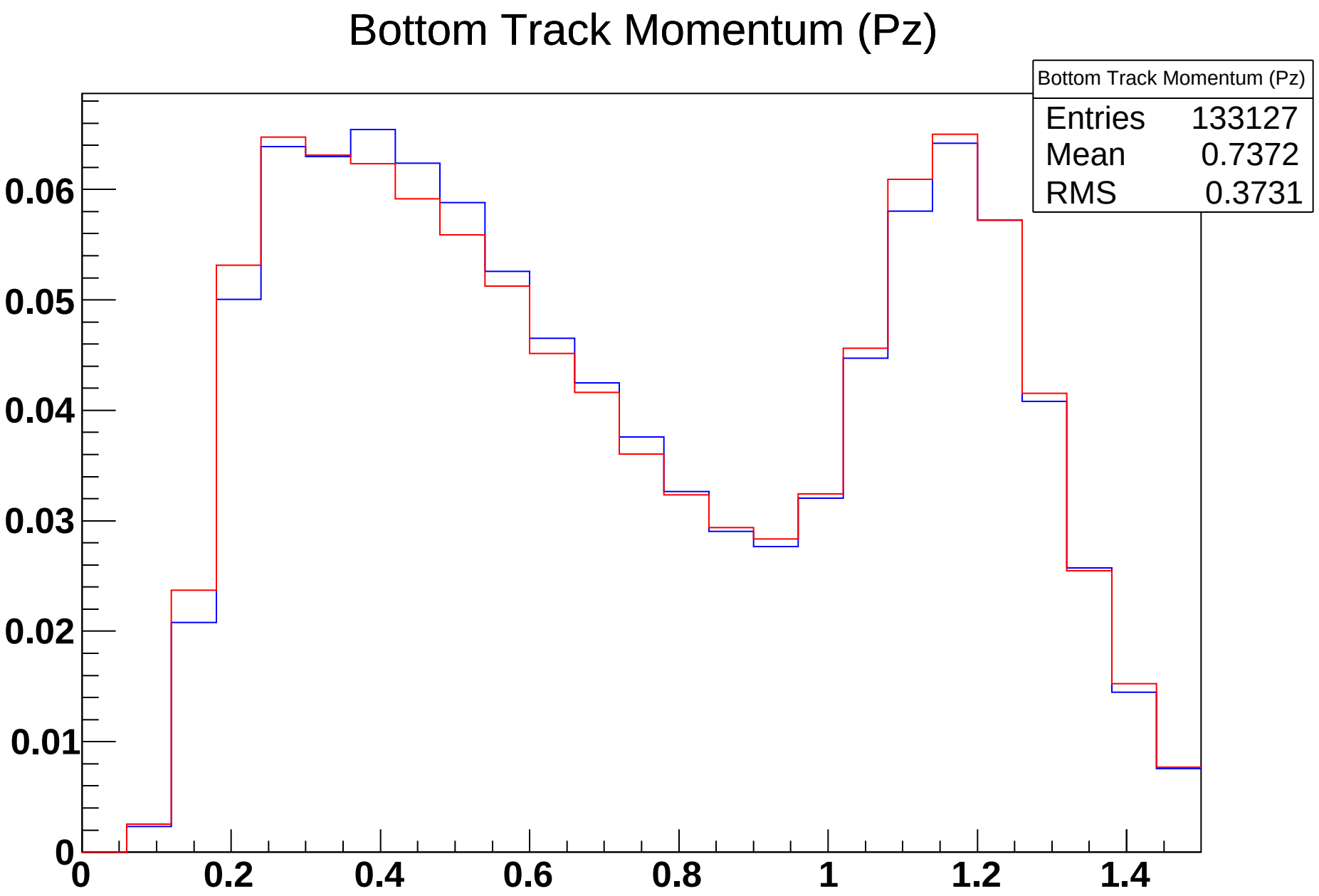

Bottom ECal Cluster Energy
Bottom ECal Cluster Energy
Entries 455186
Mean 0.3891
RMS 0.2544
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

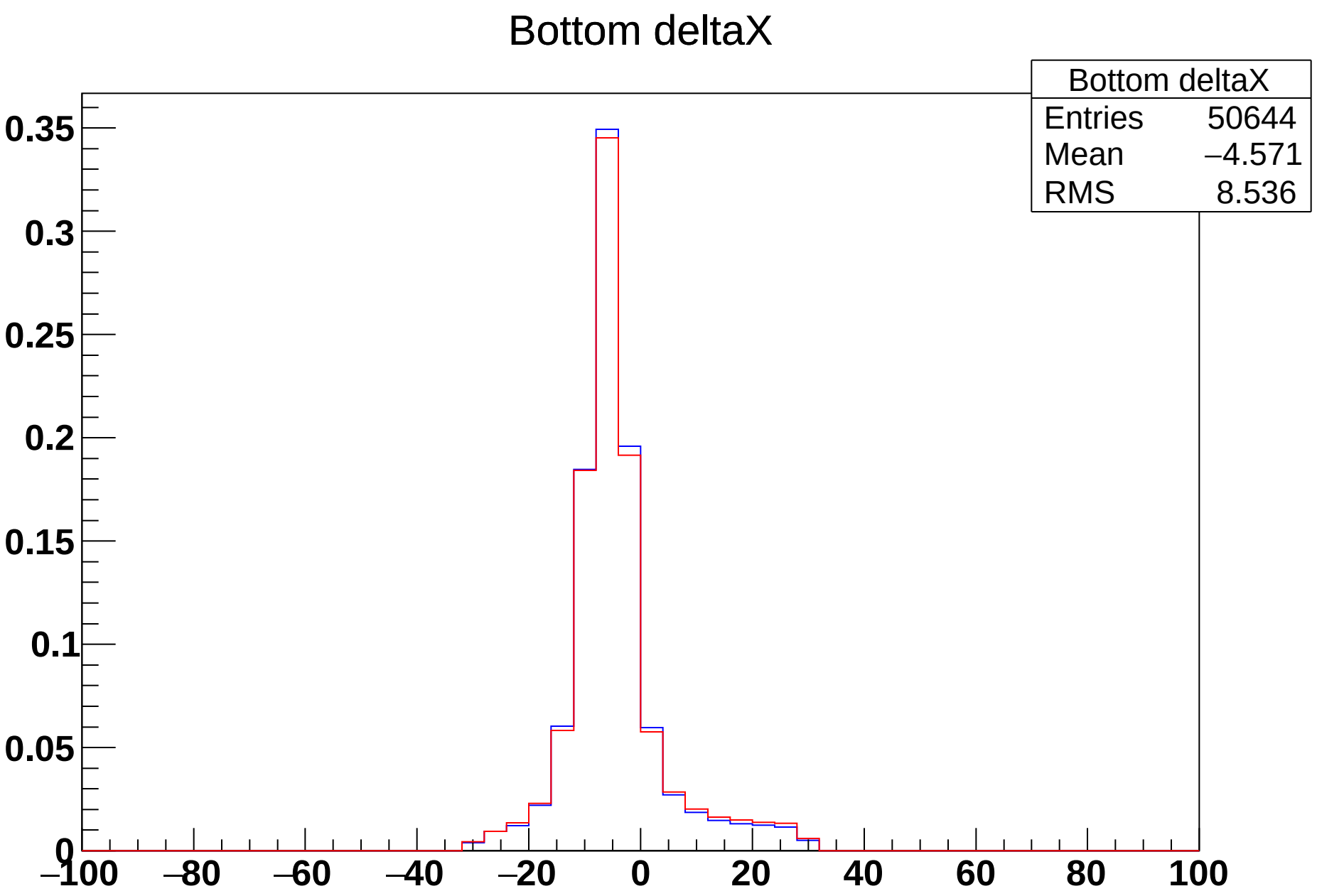

Bottom Energy Over Momentum
Bottom Energy Over Momentum
Entries 50359
Mean 0.7032
RMS 0.2198
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

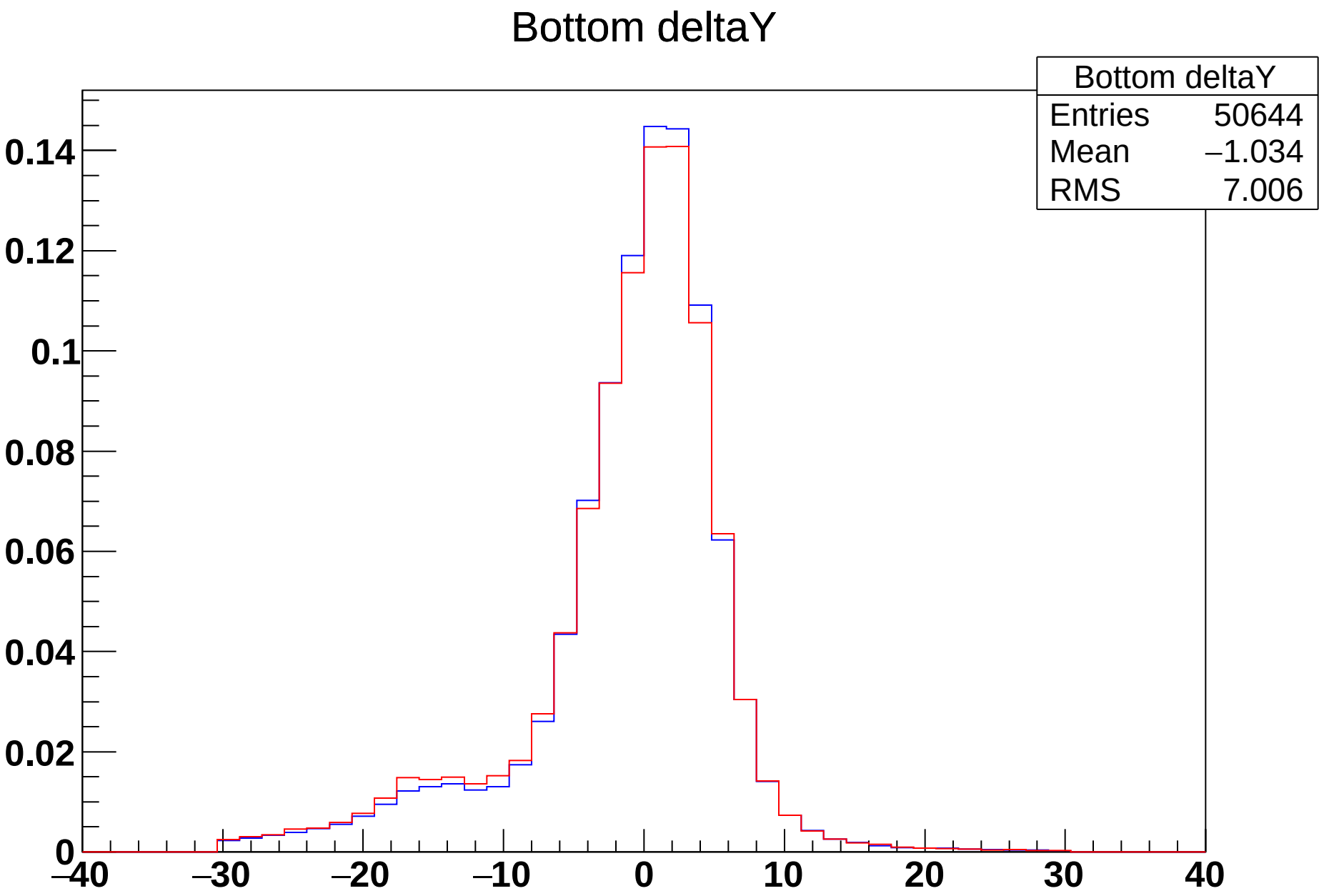

Bottom Track Chi2
Bottom Track Chi2
Entries 134513
Mean 3.037
RMS 3.78
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25

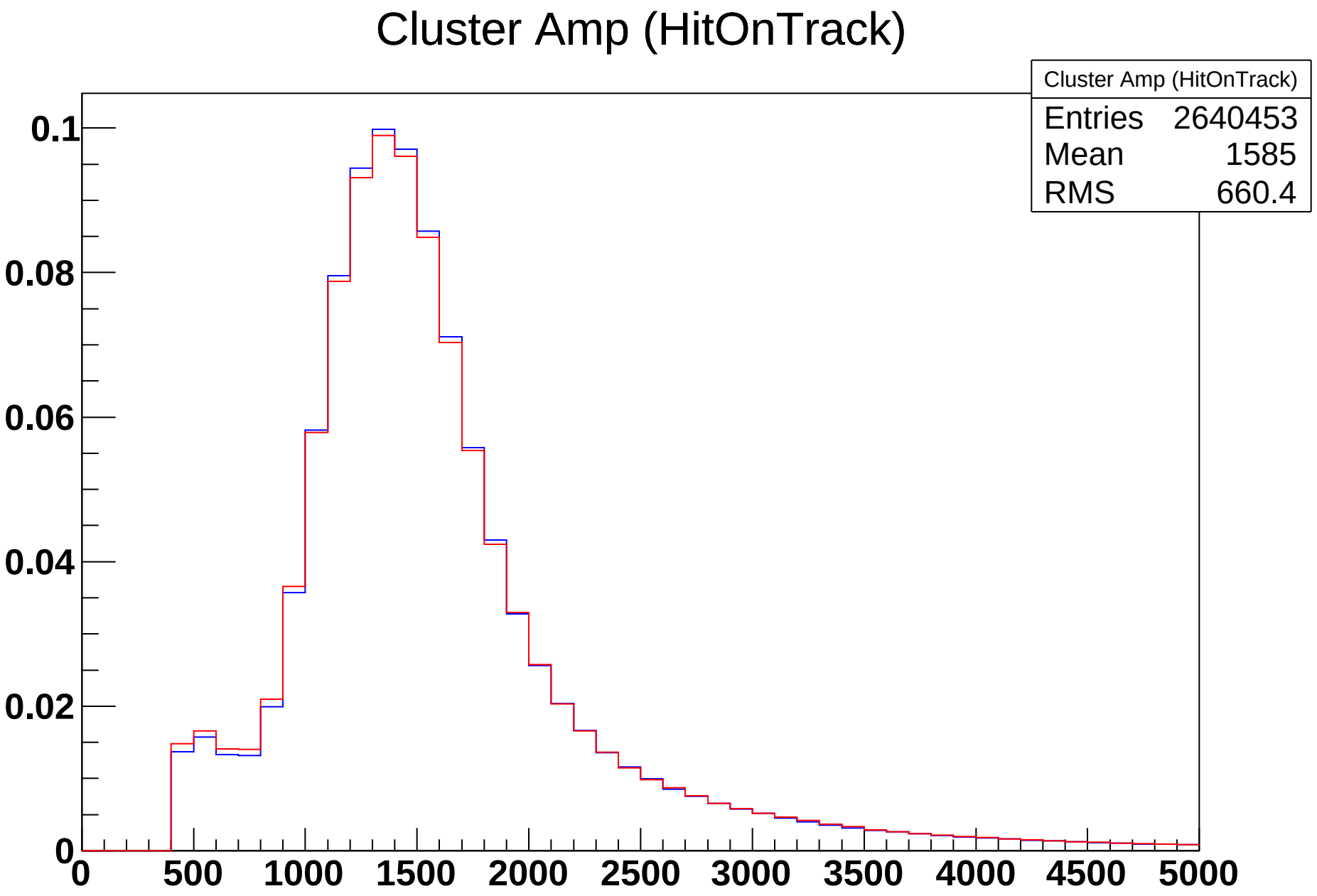

Bottom Track Momentum (Px)
Bottom Track Momentum (Px)
Entries 130413
Mean 0.02119
RMS 0.02285
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–0.25
–0.2
–0.15
–0.1
–0.05
0
0.05
0.1
0.15
0.2
0.25

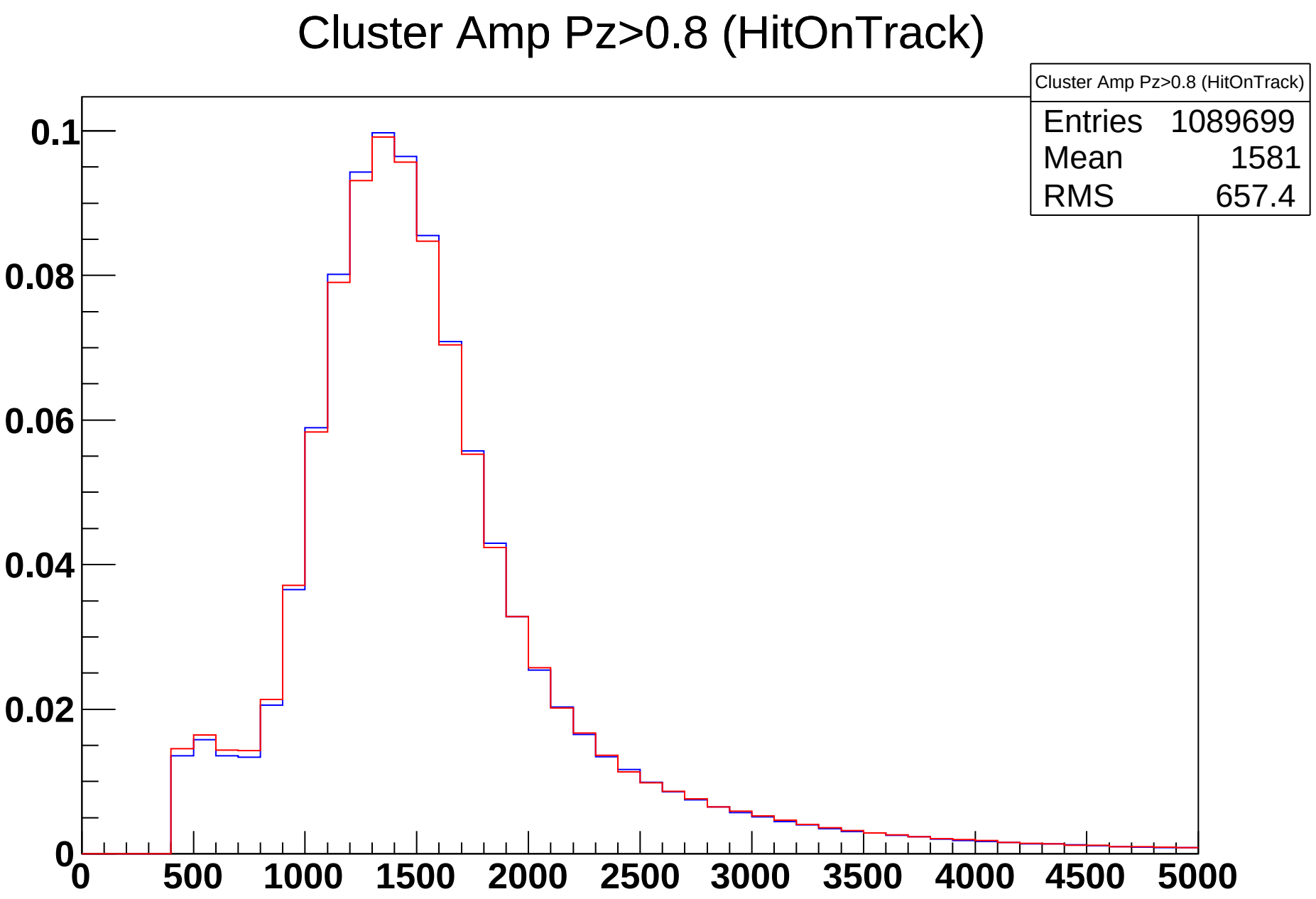

Bottom Track Momentum (Py)
Bottom Track Momentum (Py)
Entries 134513
Mean –0.0222
RMS 0.01354
0.5
0.4
0.3
0.2
0.1
0
–0.5
–0.4
–0.3
–0.2
–0.1
0
0.1
0.2
0.3
0.4
0.5

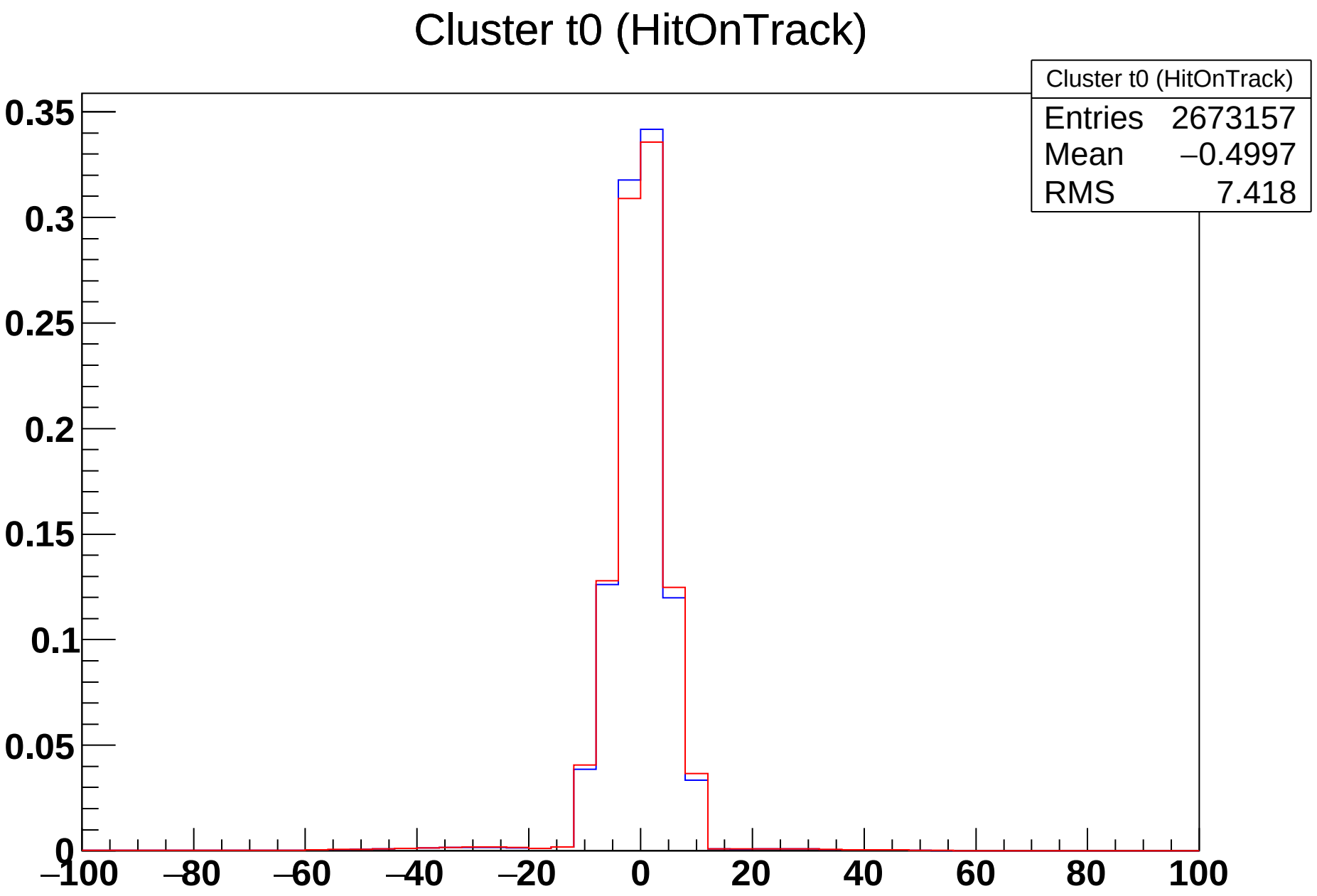

Bottom Track Momentum (Pz)
Bottom Track Momentum (Pz)
Entries 133127
Mean 0.7372
RMS 0.3731
0.06
0.05
0.04
0.03
0.02
0.01
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4

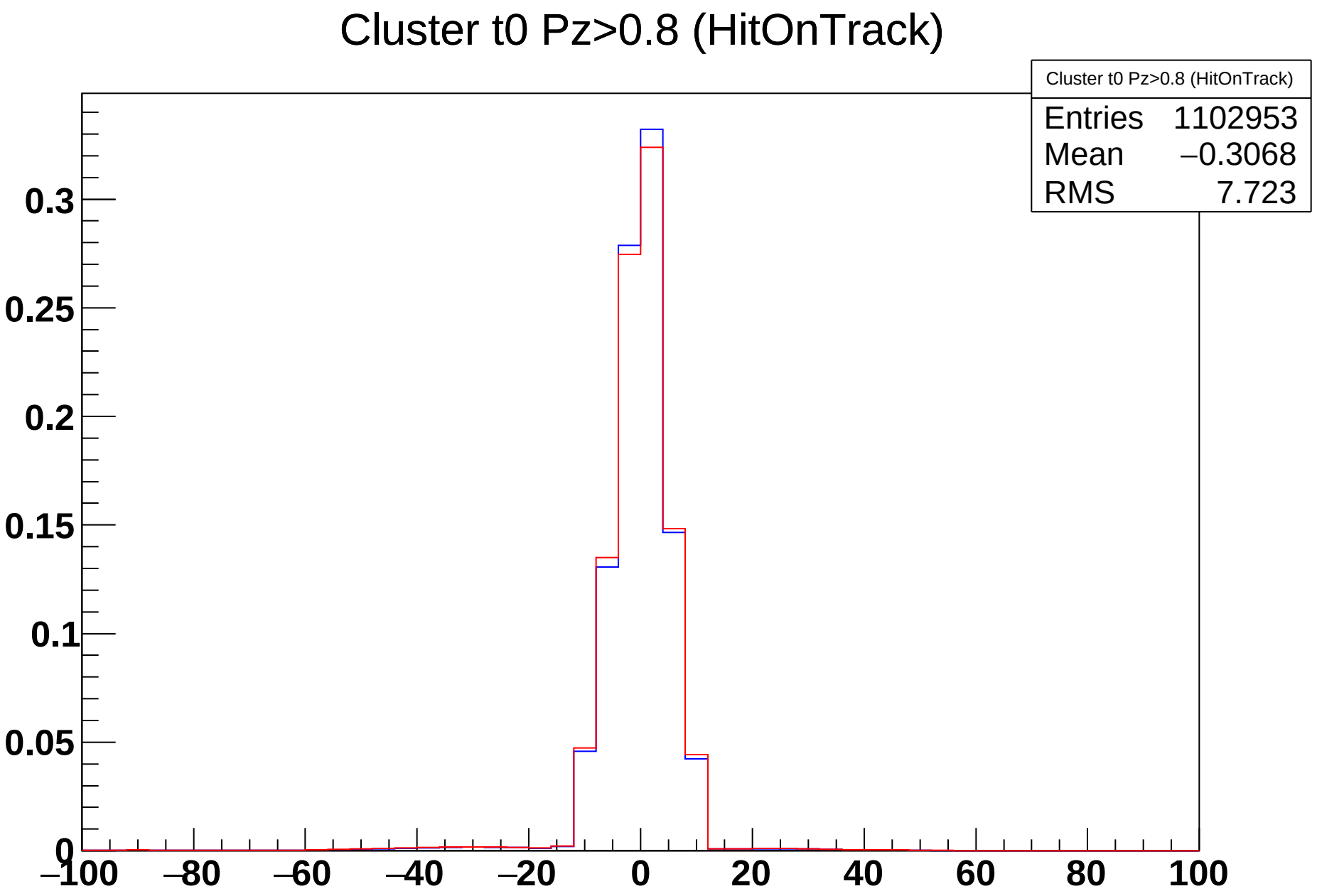

Bottom deltaX
Bottom deltaX
Entries 50644
Mean –4.571
RMS 8.536
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

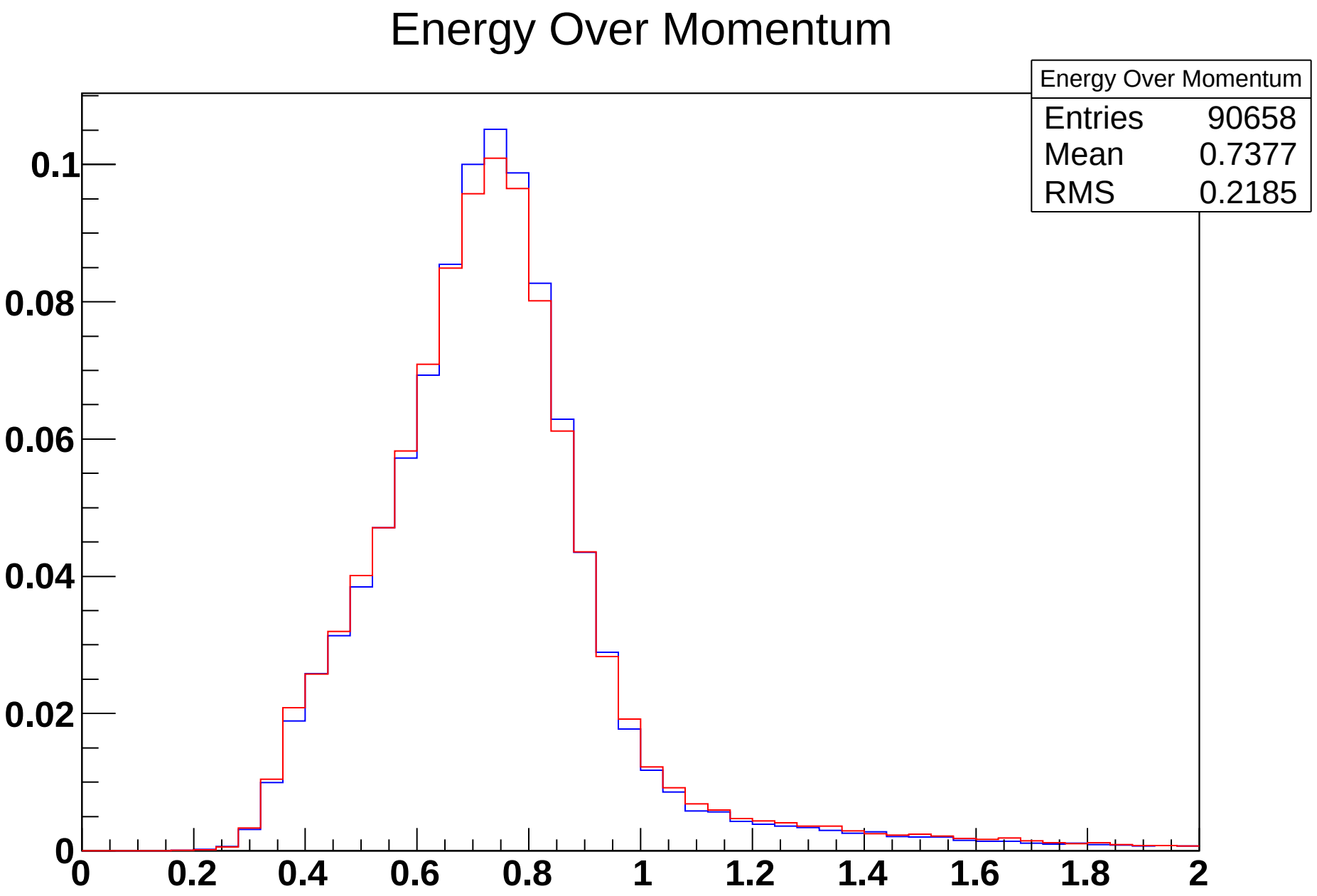

Bottom deltaY
Bottom deltaY
Entries 50644
Mean –1.034
RMS 7.006
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–40
–30
–20
–10
0
10
20
30
40

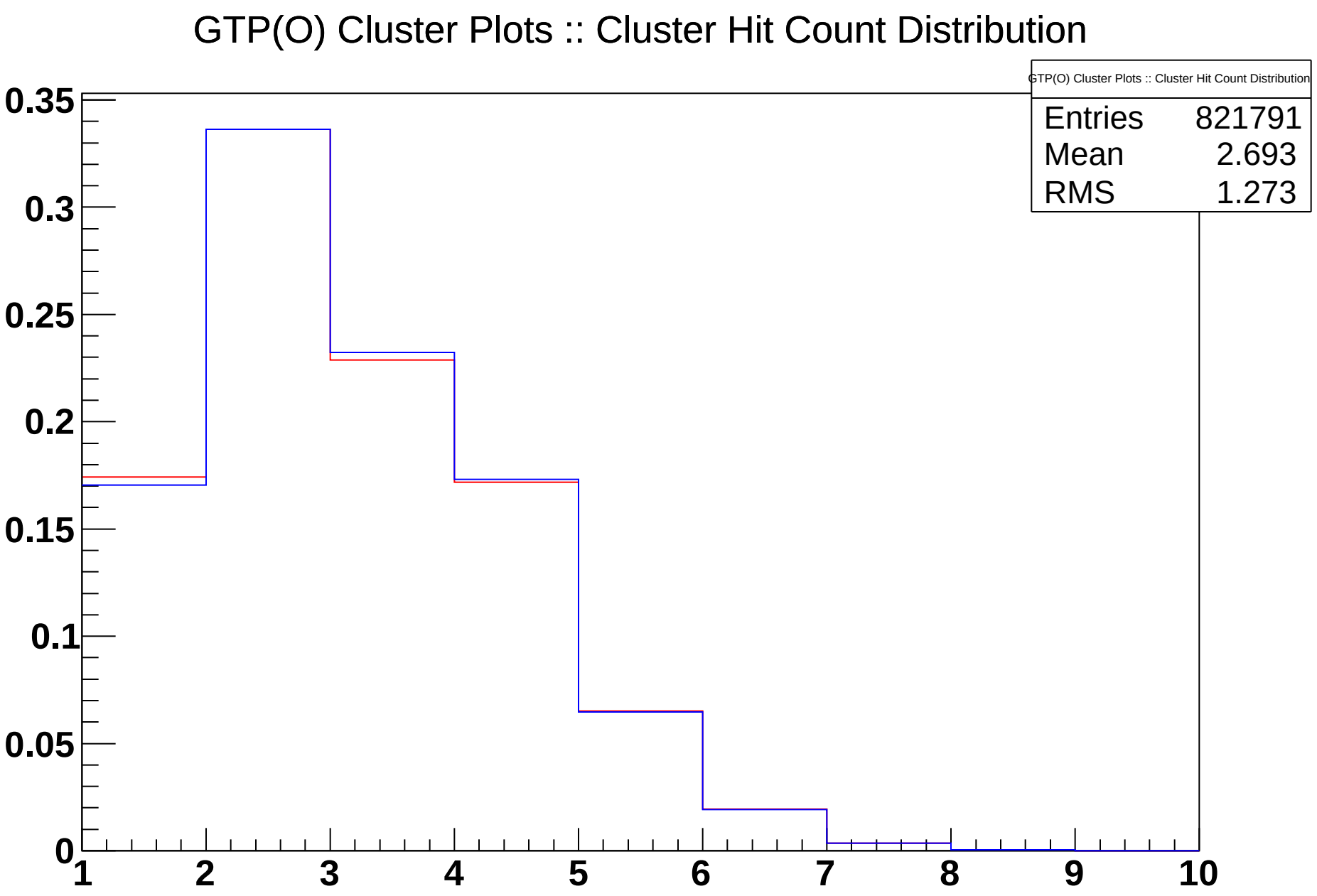

Cluster Amp (HitOnTrack)
Cluster Amp (HitOnTrack)
Entries 2640453
Mean 1585
RMS 660.4
0.1
0.08
0.06
0.04
0.02
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000

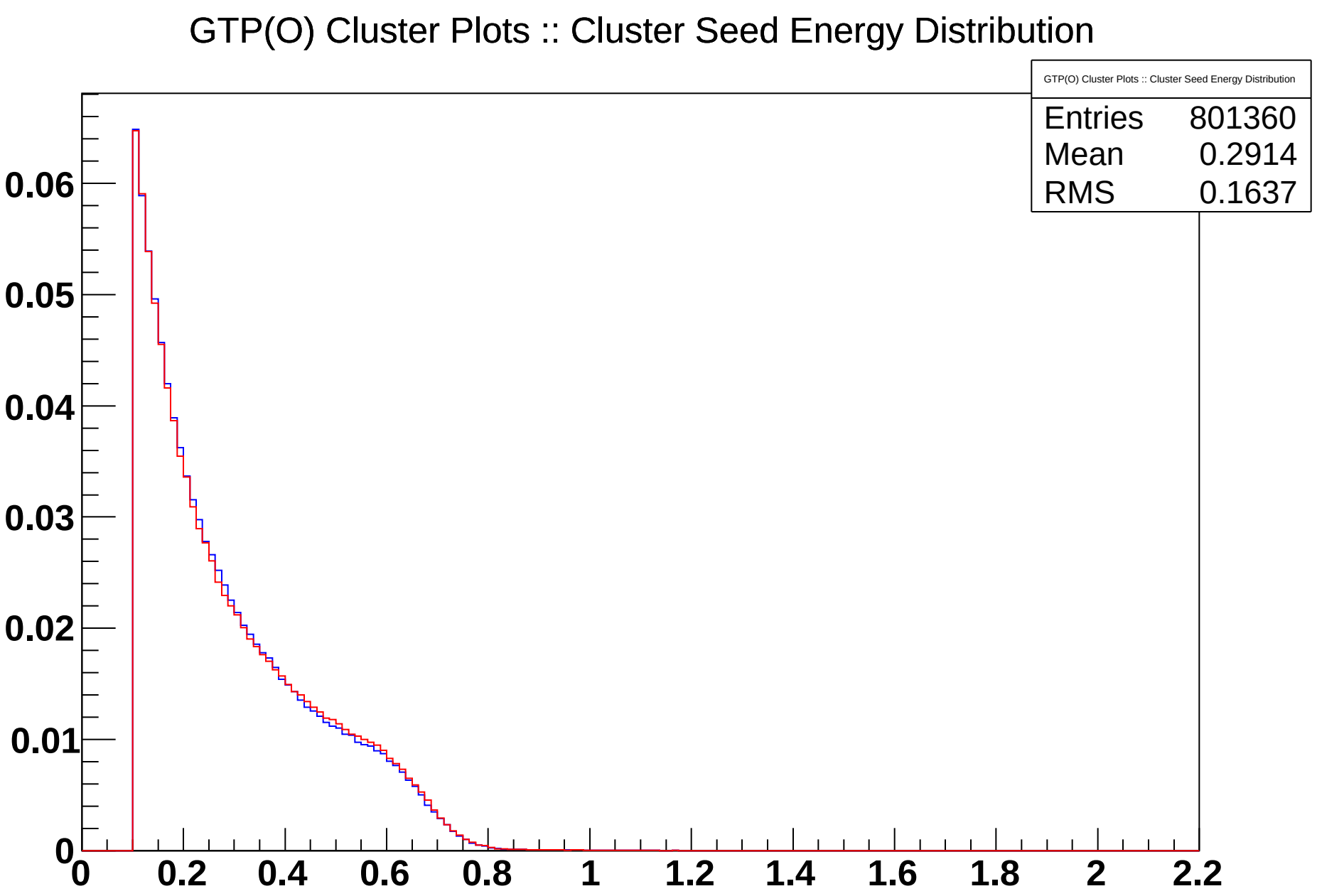

Cluster Amp Pz>0.8 (HitOnTrack)
Cluster Amp Pz>0.8 (HitOnTrack)
Entries 1089699
Mean 1581
RMS 657.4
0.1
0.08
0.06
0.04
0.02
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000

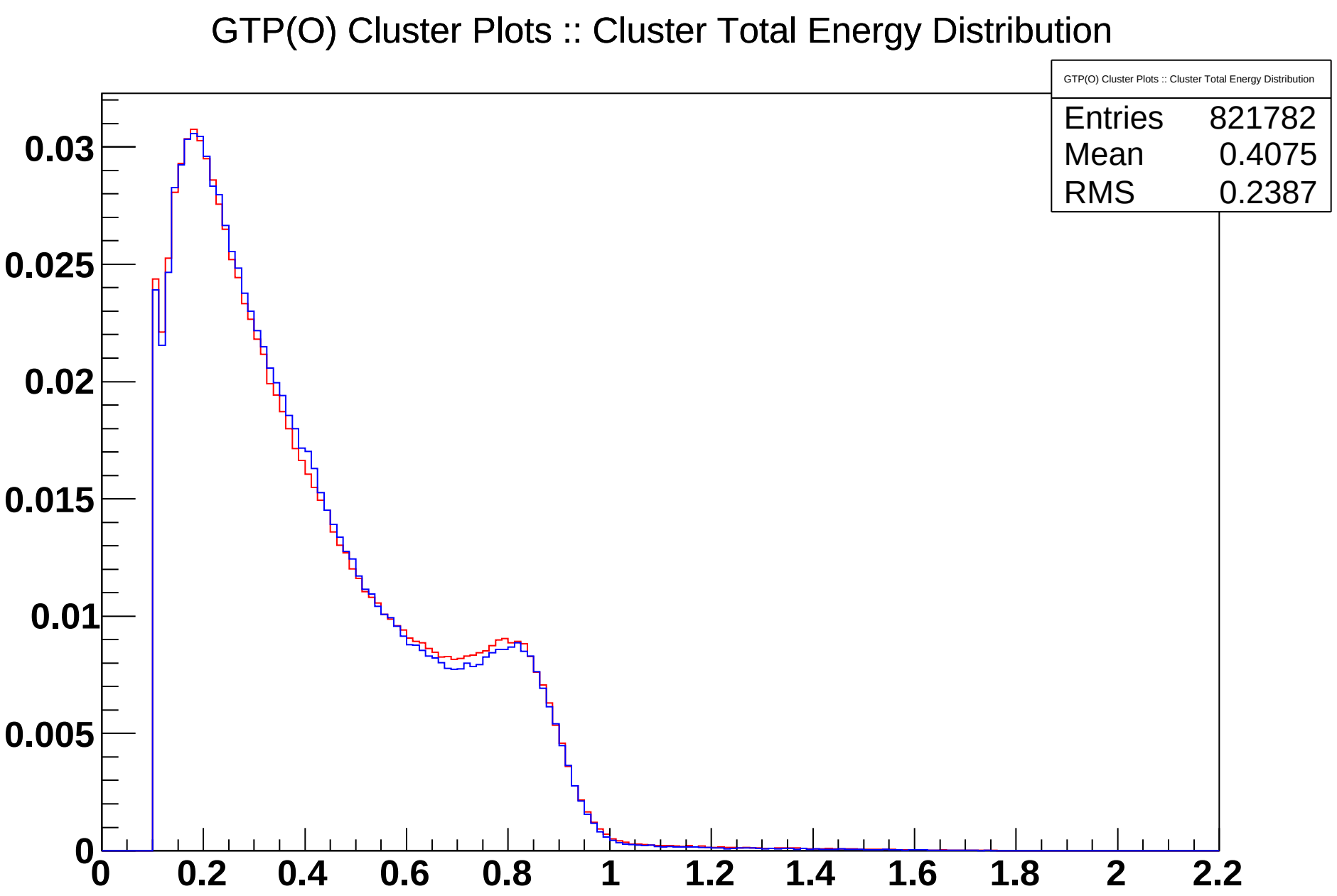

Cluster t0 (HitOnTrack)
Cluster t0 (HitOnTrack)
Entries 2673157
Mean –0.4997
RMS 7.418
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–100
–80
–60
–40
–20
0
20
40
60
80
100


Cluster t0 Pz>0.8 (HitOnTrack)
Cluster t0 Pz>0.8 (HitOnTrack)
Entries 1102953
Mean −0.3068
RMS 7.723
0.3
0.25
0.2
0.15
0.1
0.05
0
−100
−80
−60
−40
−20
0
20
40
60
80
100

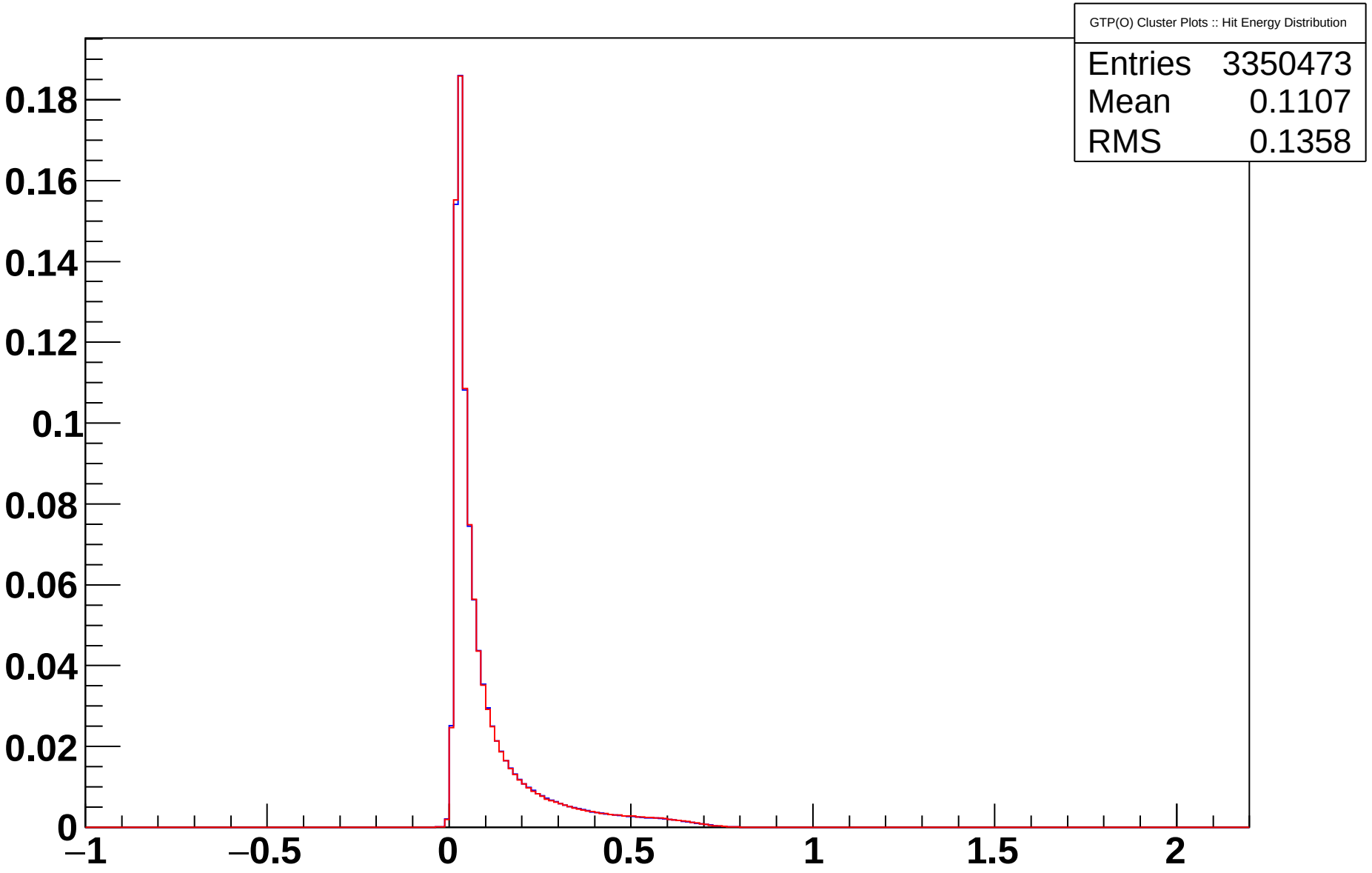

Energy Over Momentum
Energy Over Momentum
Entries 90658
Mean 0.7377
RMS 0.2185
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

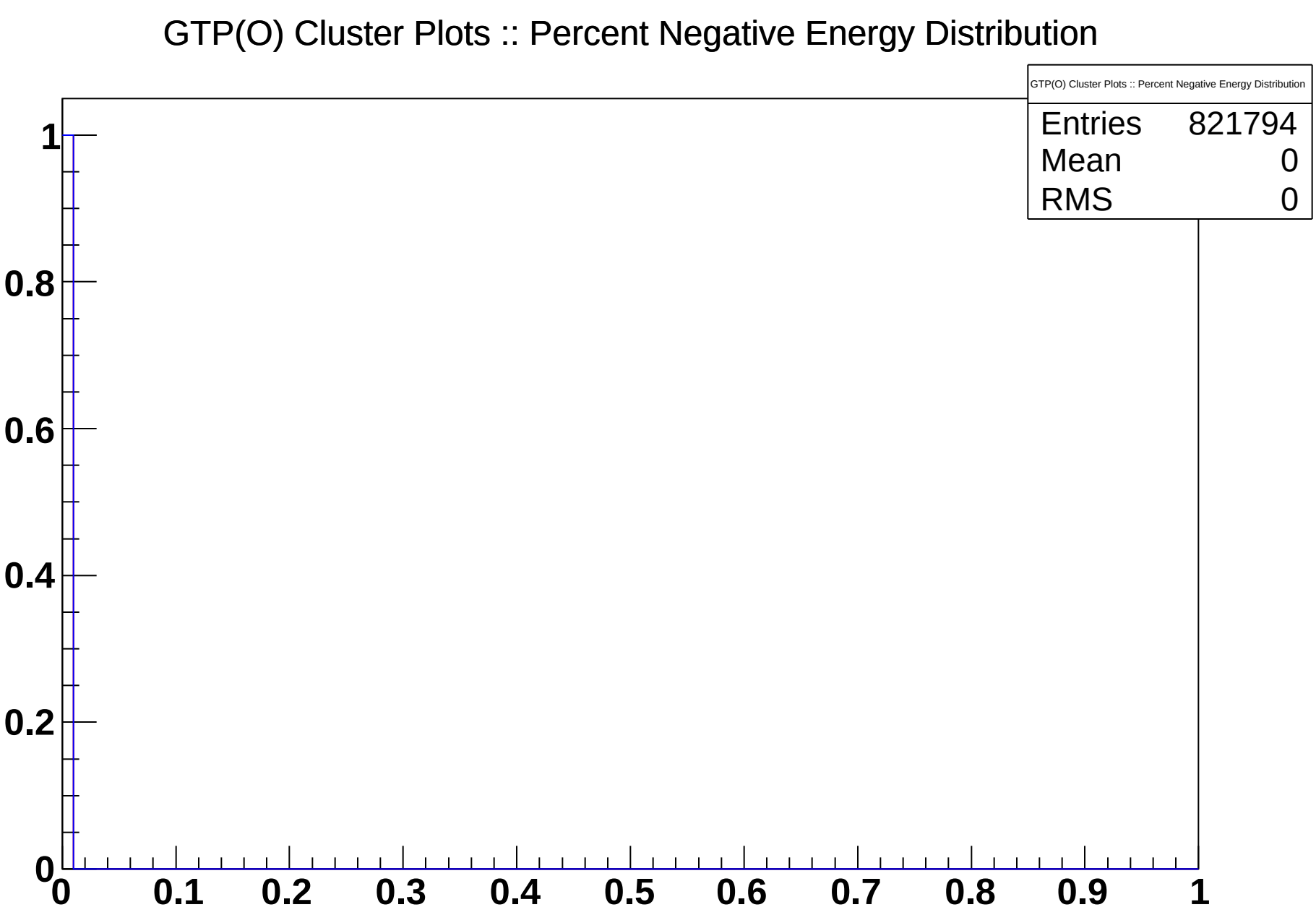

GTP(O) Cluster Plots :: Cluster Hit Count Distribution
GTP(O) Cluster Plots :: Cluster Hit Count Distribution
Entries 821791
Mean 2.693
RMS 1.273
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
1
2
3
4
5
6
7
8
9
10

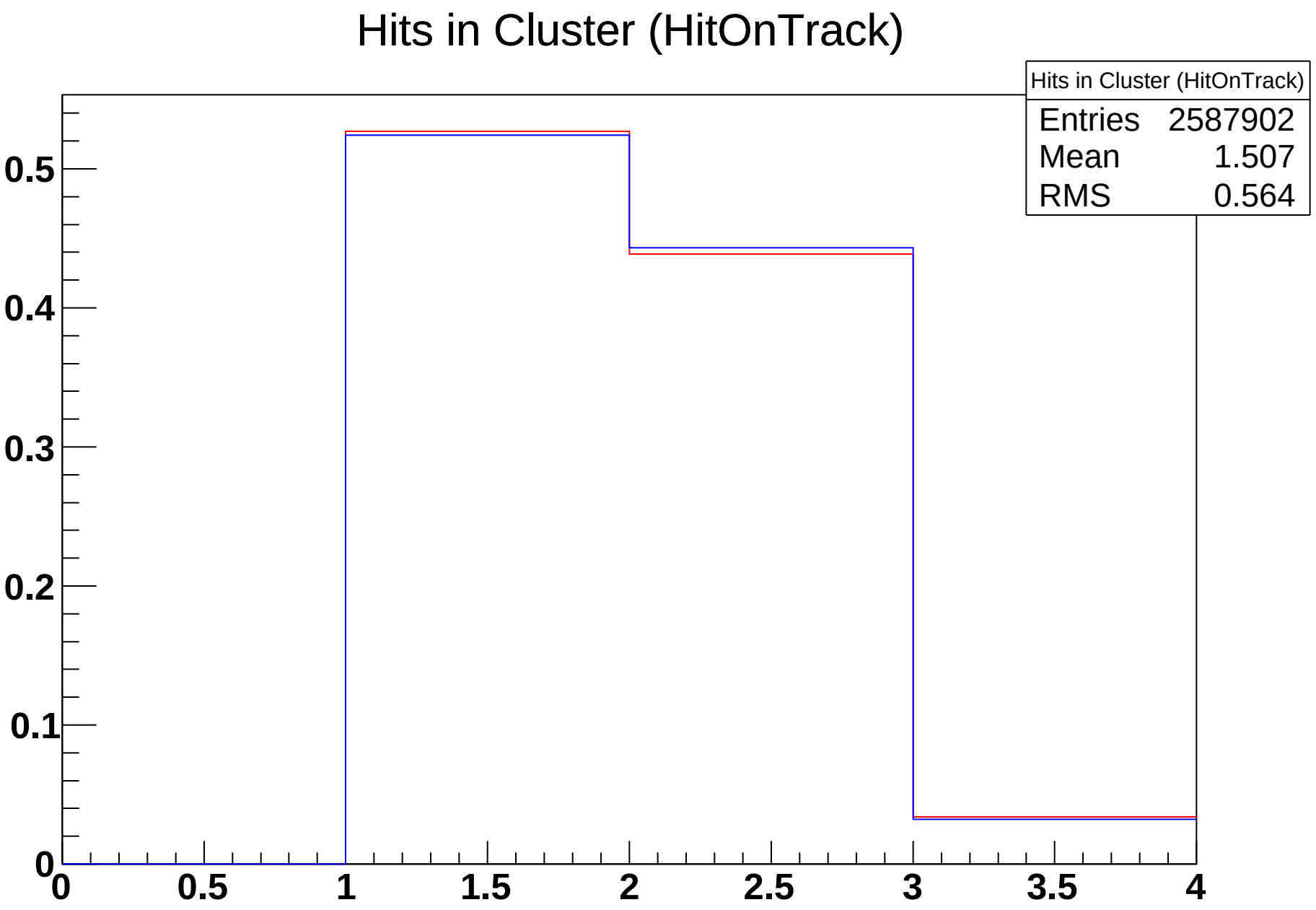

GTP(O) Cluster Plots :: Cluster Seed Energy Distribution
GTP(O) Cluster Plots :: Cluster Seed Energy Distribution
Entries 801360
Mean 0.2914
RMS 0.1637
0.06
0.05
0.04
0.03
0.02
0.01
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2

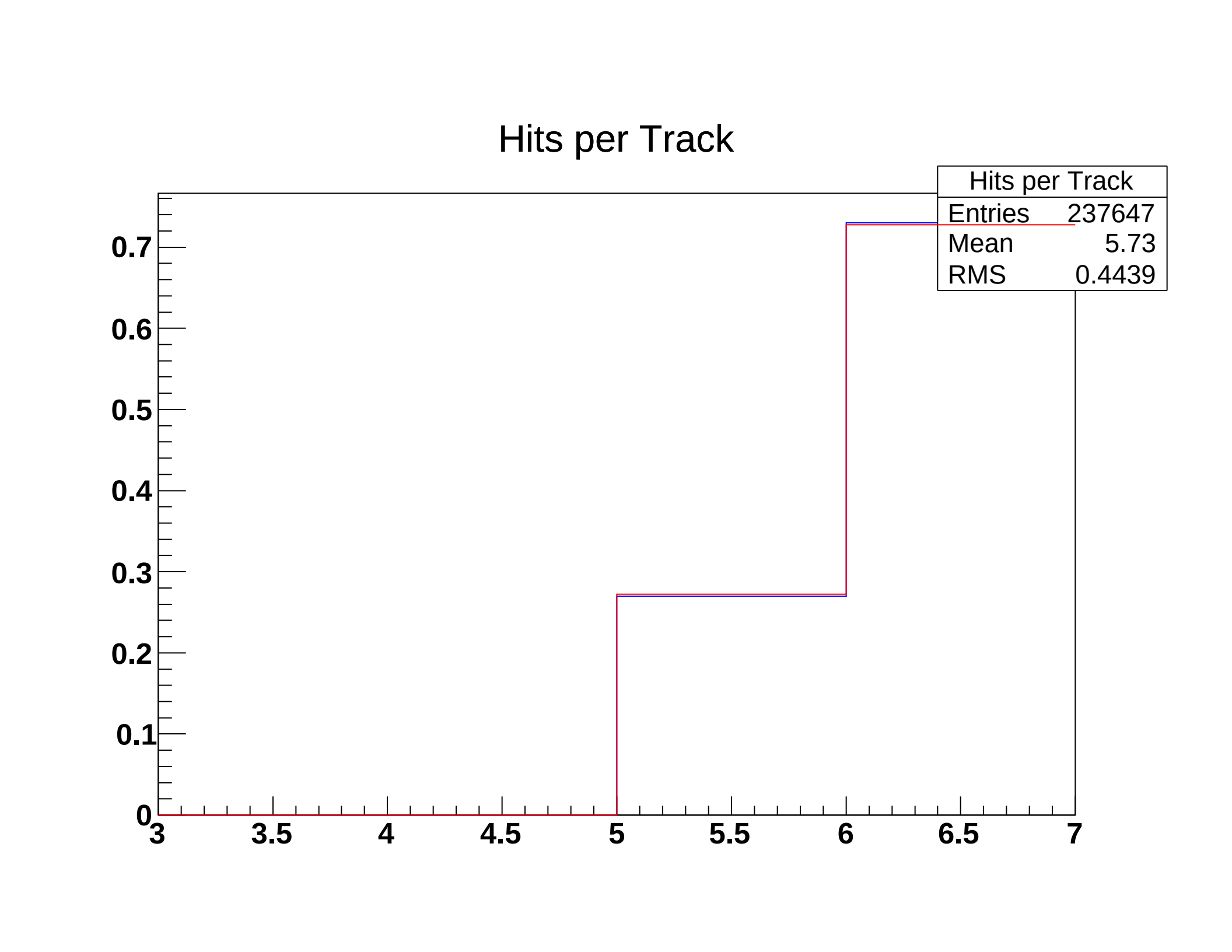

GTP(O) Cluster Plots :: Cluster Total Energy Distribution
GTP(O) Cluster Plots :: Cluster Total Energy Distribution
Entries 821782
Mean 0.4075
RMS 0.2387
0.03
0.025
0.02
0.015
0.01
0.005
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2

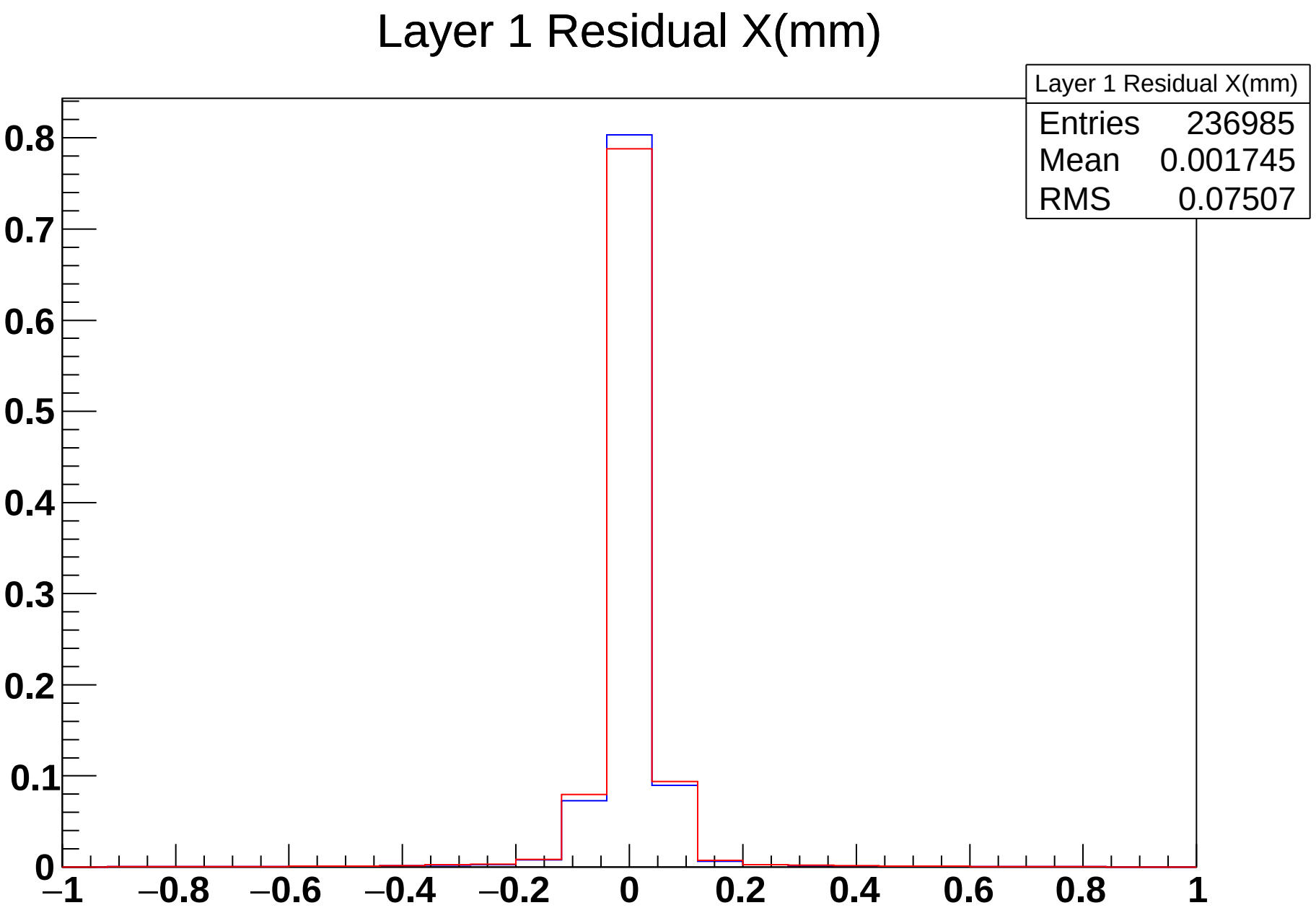
GTP(O) Cluster Plots :: Hit Energy Distribution

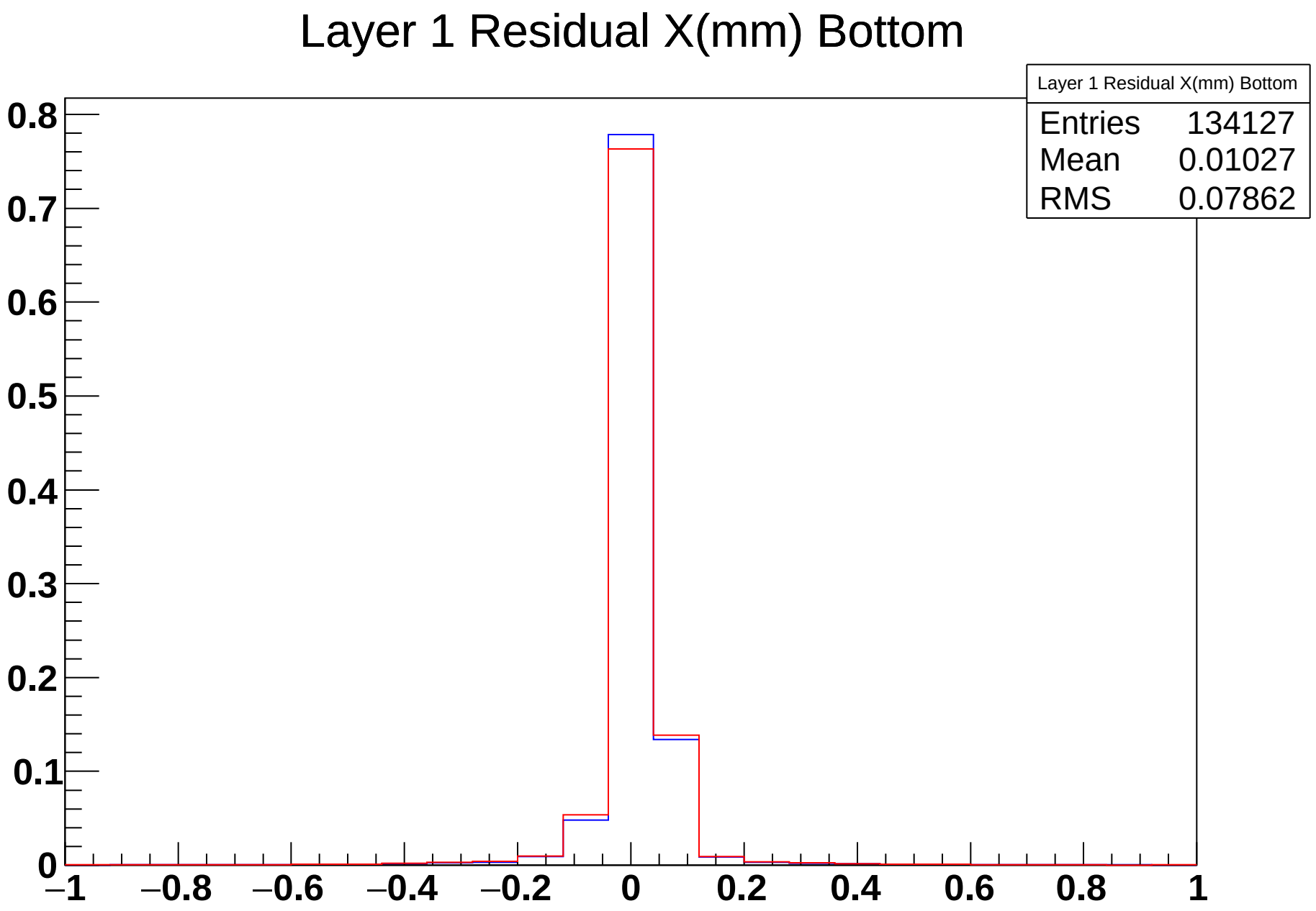


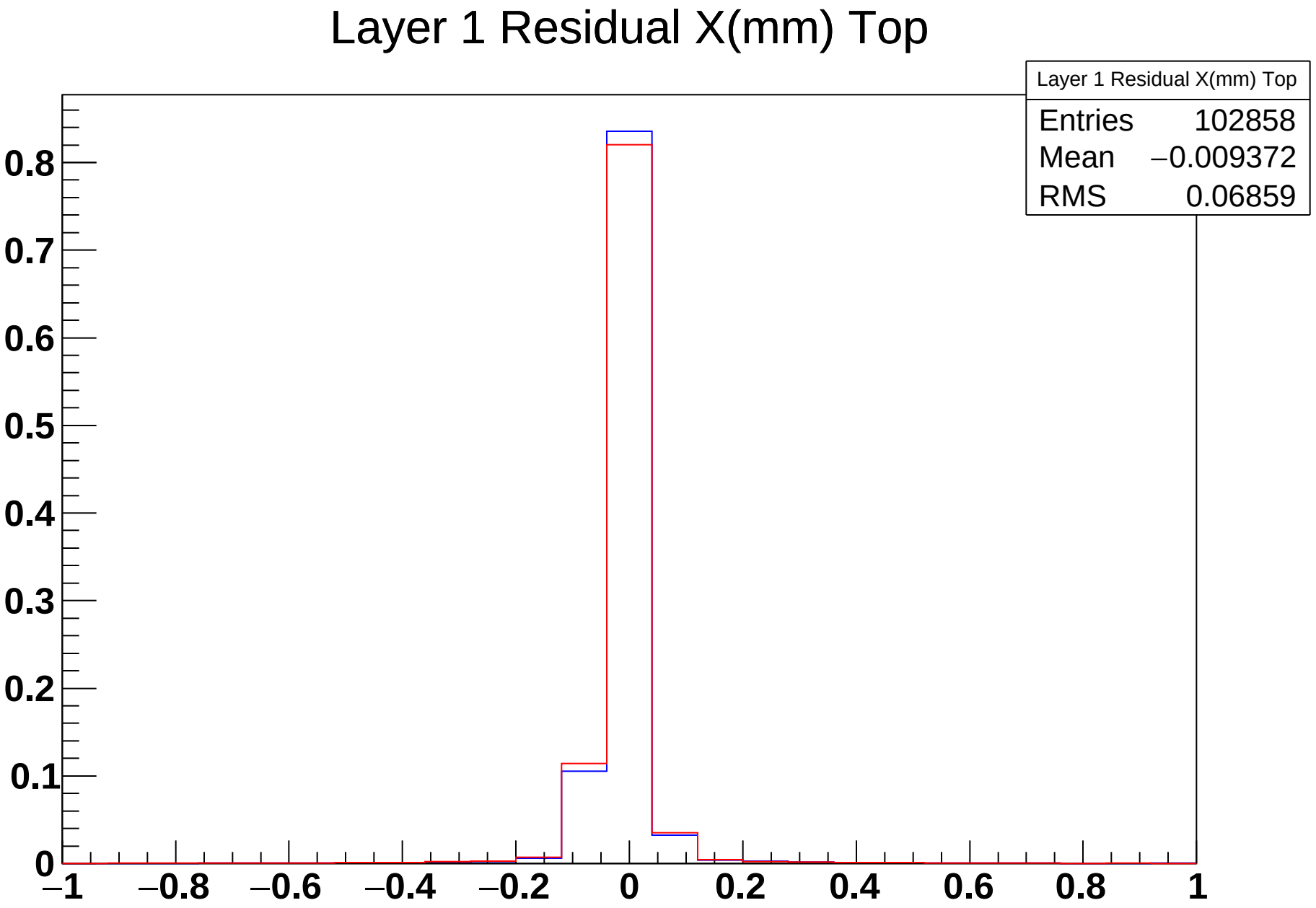

GTP(O) Cluster Plots :: Percent Negative Energy Distribution
GTP(O) Cluster Plots :: Percent Negative Energy Distribution
Entries 821794
Mean 0
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

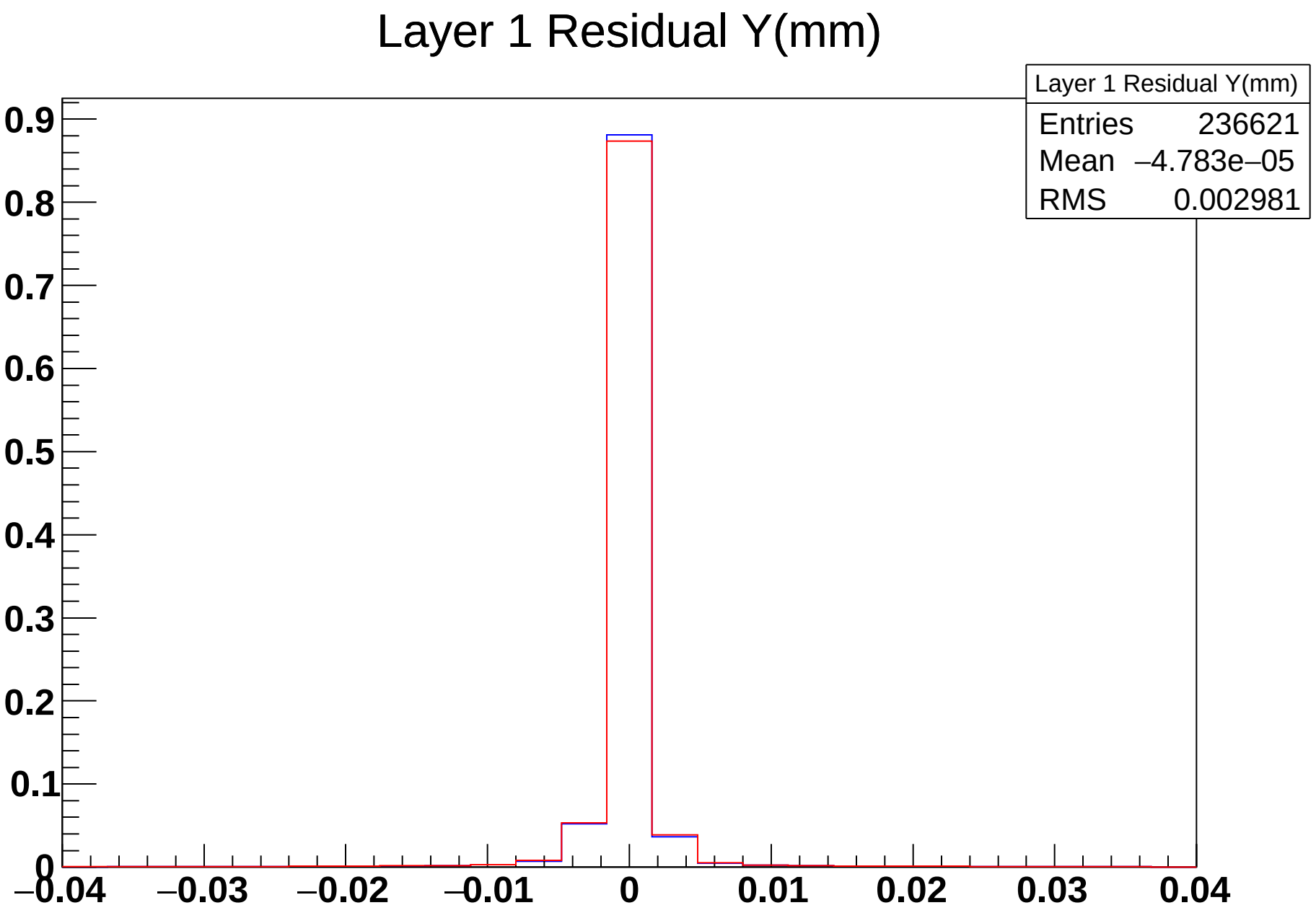

Hits in Cluster (HitOnTrack)
Hits in Cluster (HitOnTrack)
Entries 2587902
Mean 1.507
RMS 0.564
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3
3.5
4

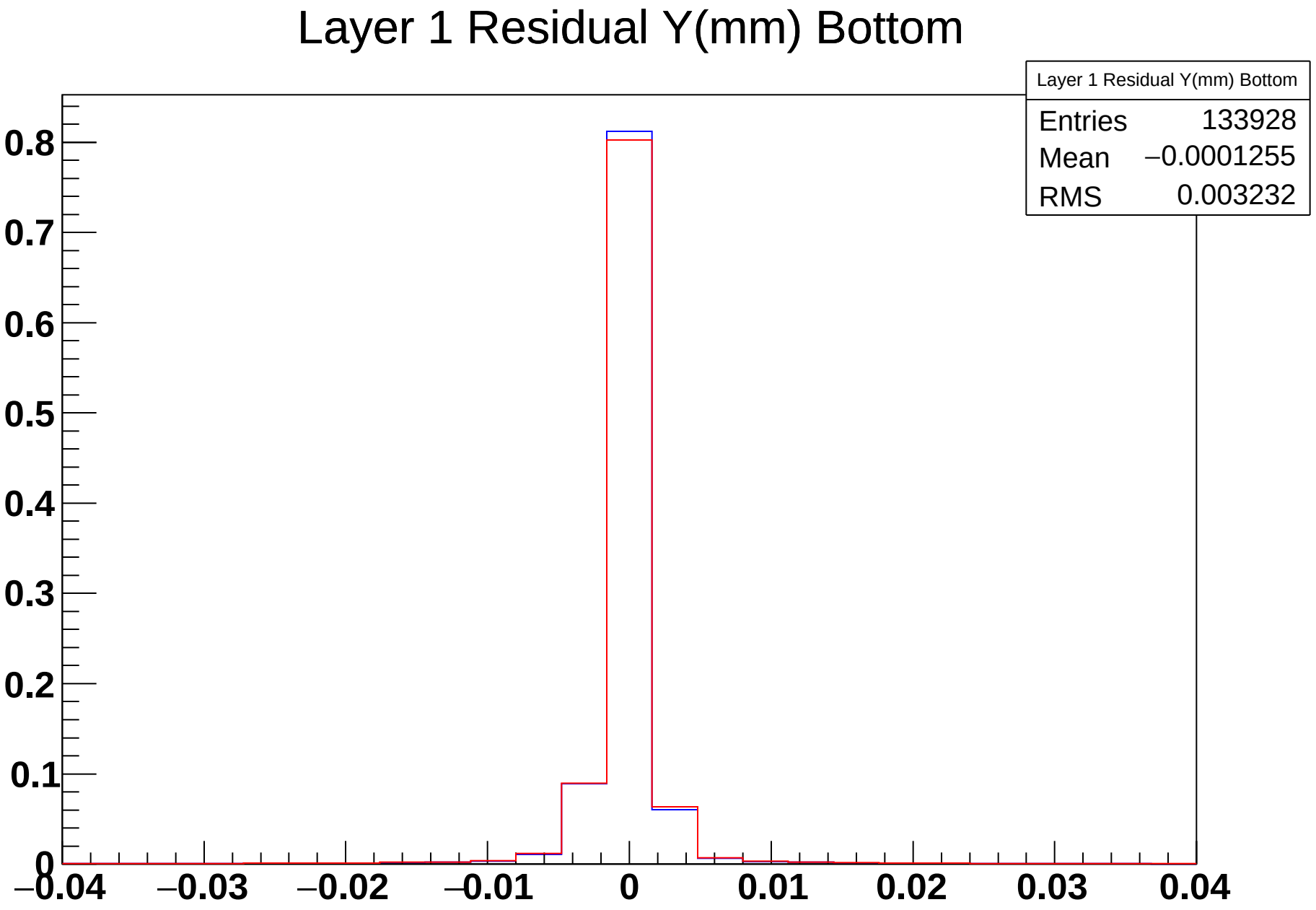

Hits per Track
Hits per Track
Entries 237647
Mean 5.73
RMS 0.4439
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3
3.5
4
4.5
5
5.5
6
6.5
7

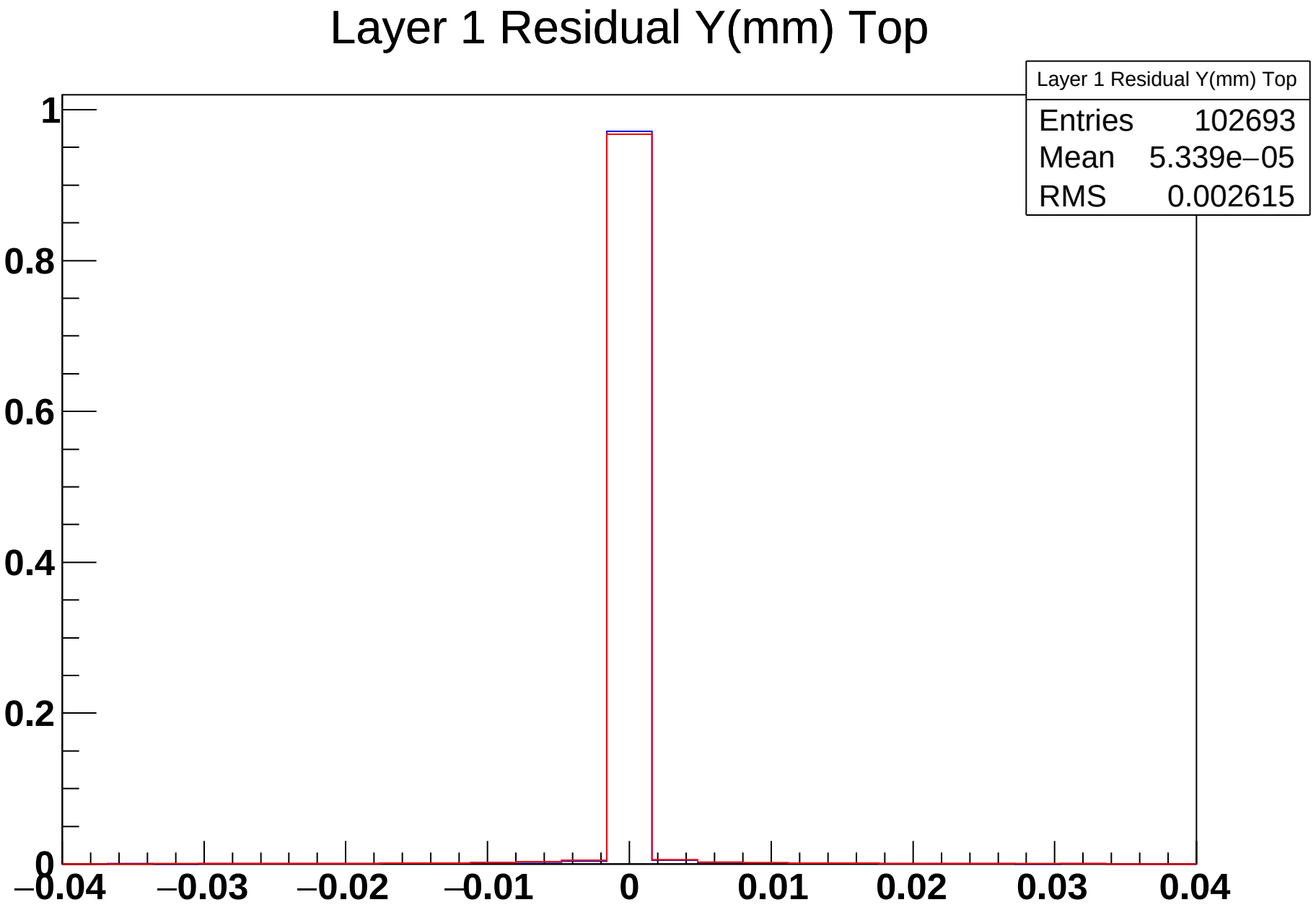

Layer 1 Residual X(mm)
Layer 1 Residual X(mm)
Entries 236985
Mean 0.001745
RMS 0.07507
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1

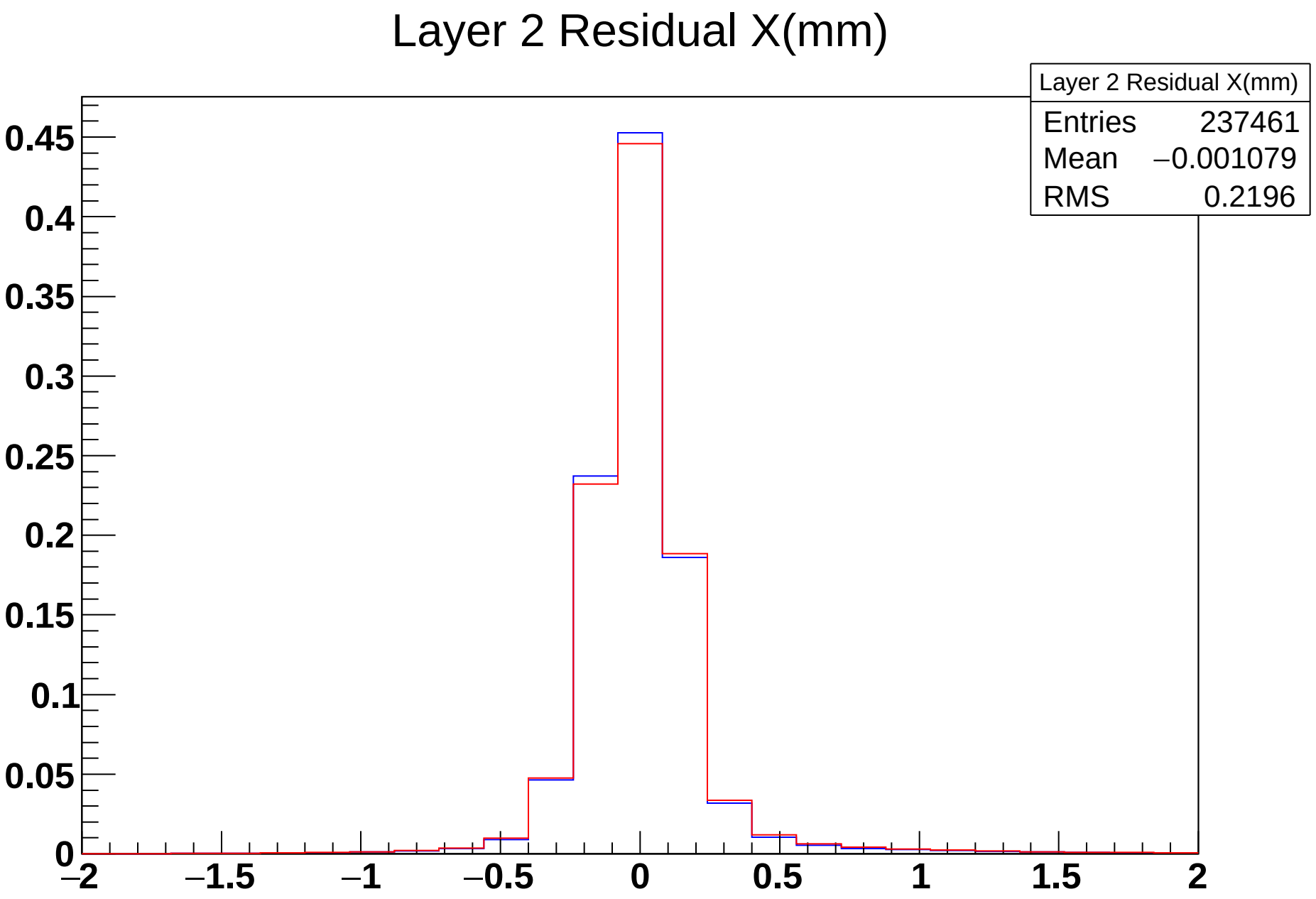

Layer 1 Residual X(mm) Bottom
Layer 1 Residual X(mm) Bottom
Entries 134127
Mean 0.01027
RMS 0.07862
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1

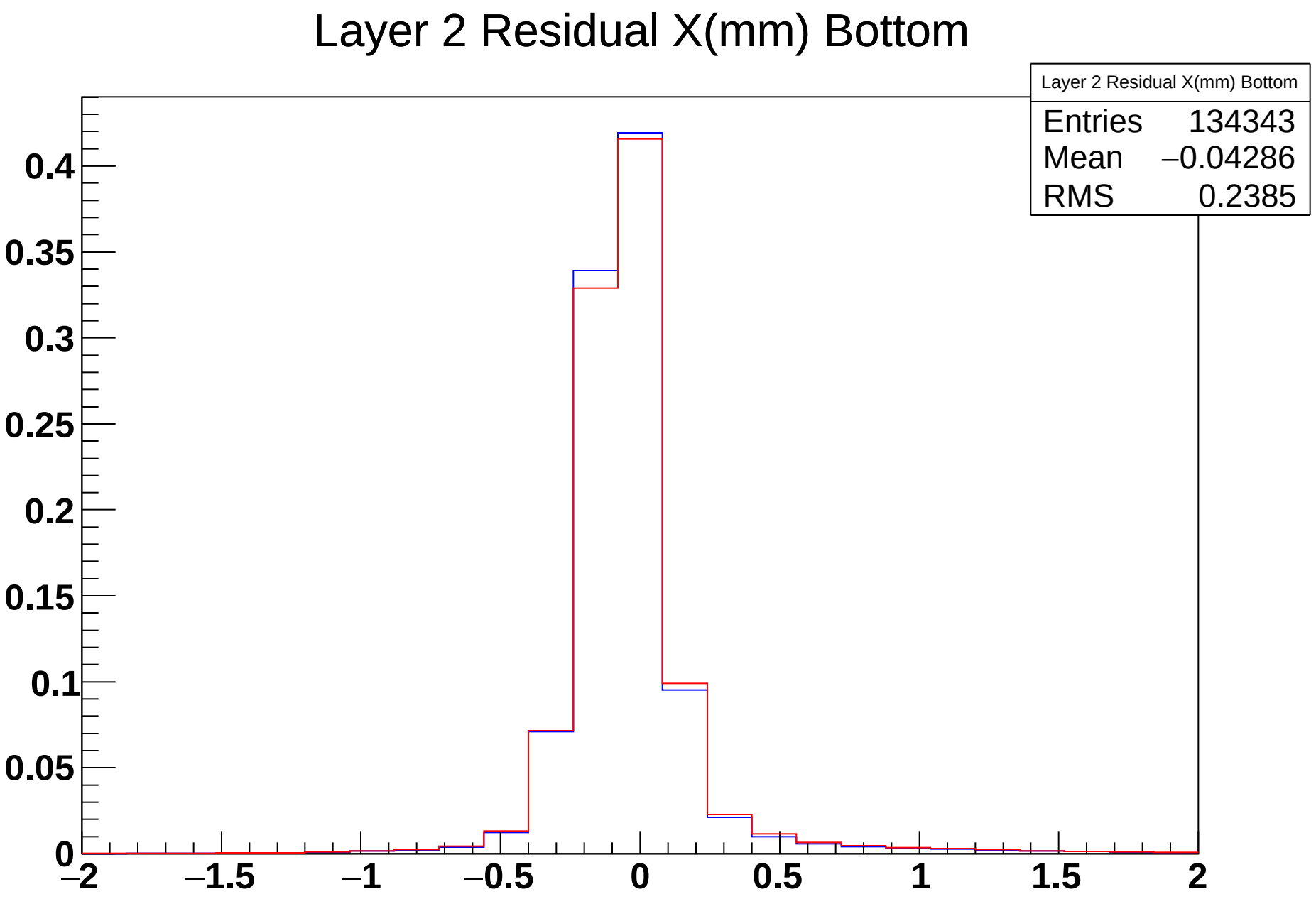

Layer 1 Residual X(mm) Top
Layer 1 Residual X(mm) Top
Entries 102858
Mean −0.009372
RMS 0.06859
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1

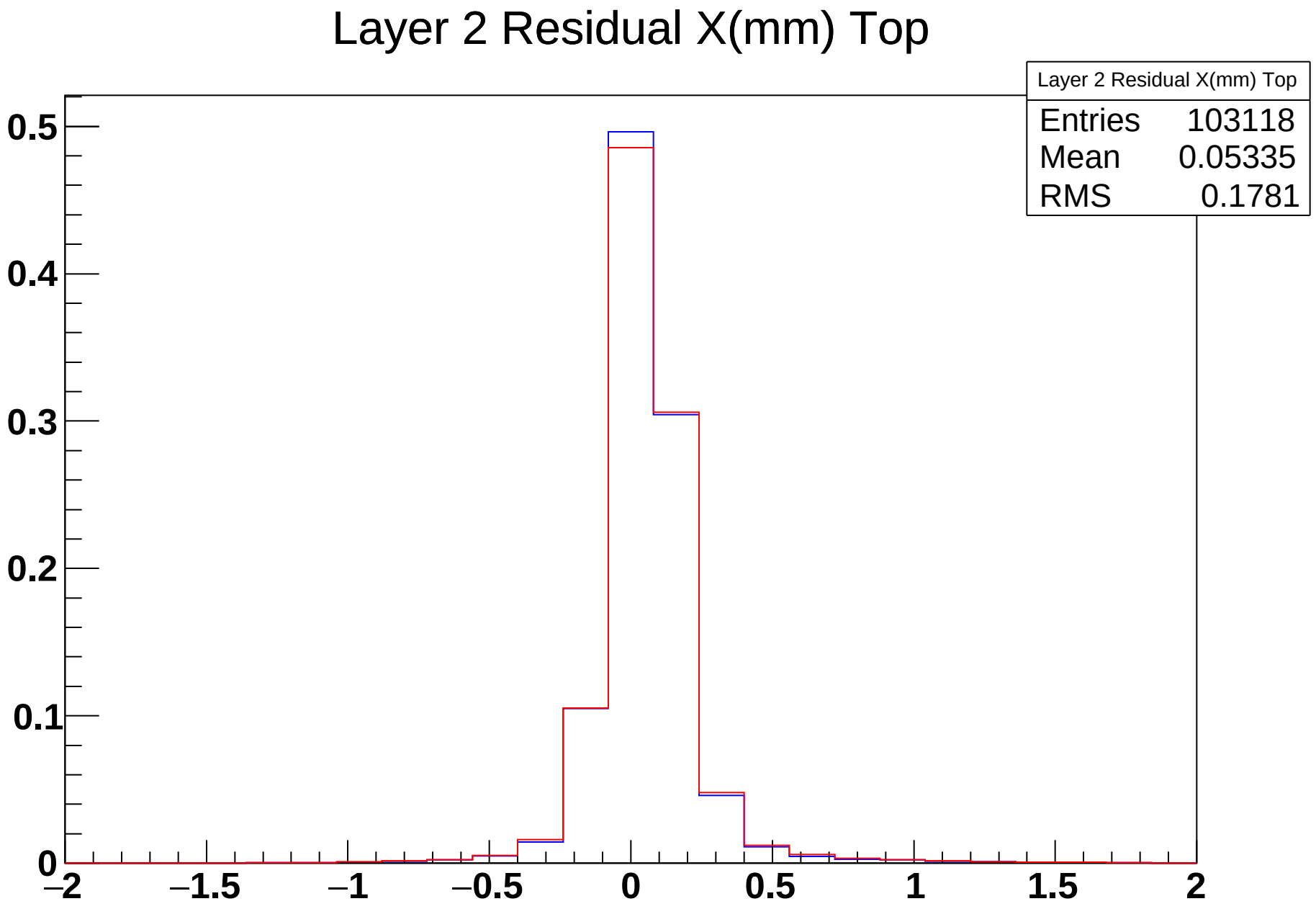

Layer 1 Residual Y(mm)
Layer 1 Residual Y(mm)
Entries 236621
Mean –4.783e–05
RMS 0.002981
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04

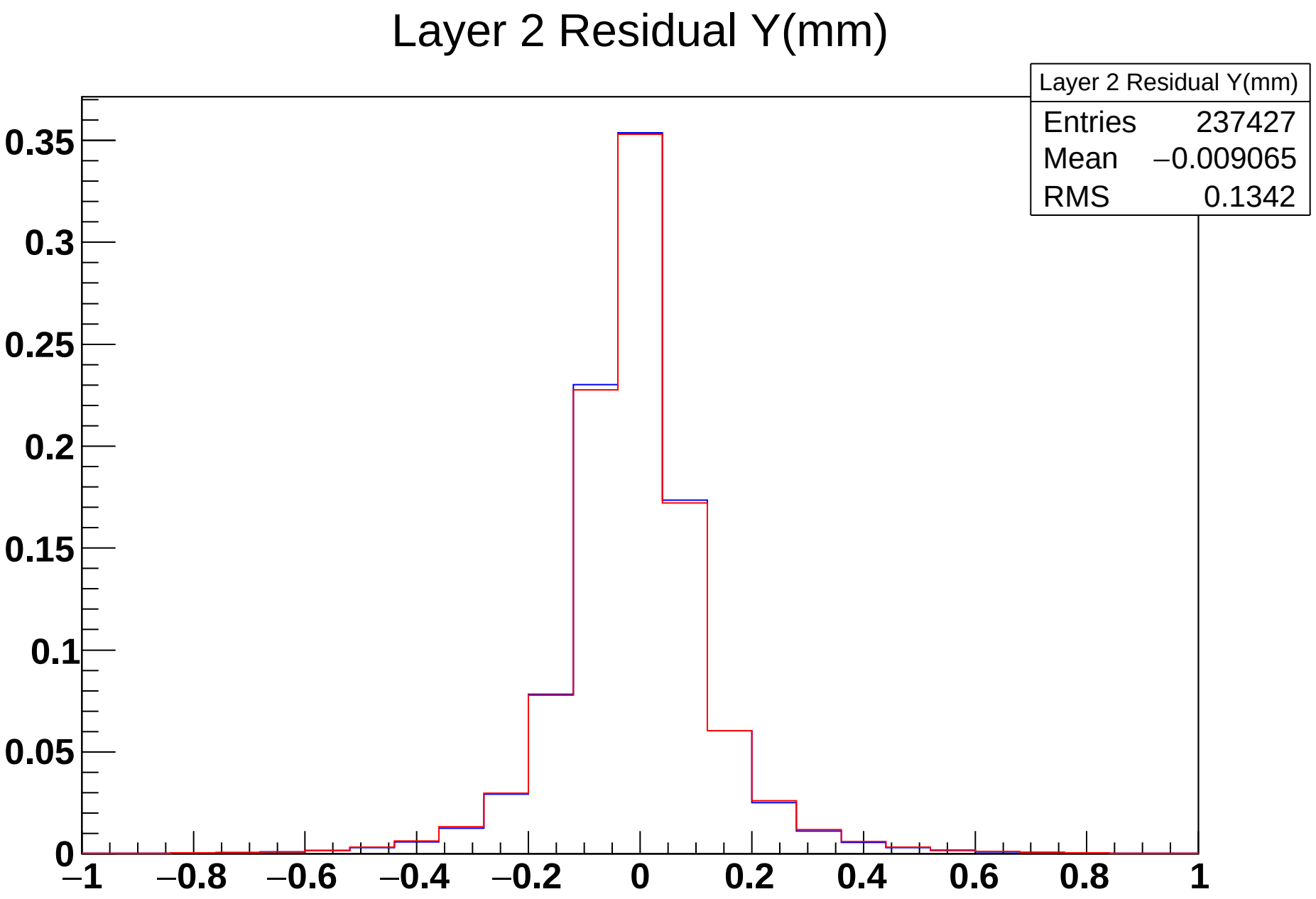

Layer 1 Residual Y(mm) Bottom
Layer 1 Residual Y(mm) Bottom
Entries 133928
Mean −0.0001255
RMS 0.003232
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04

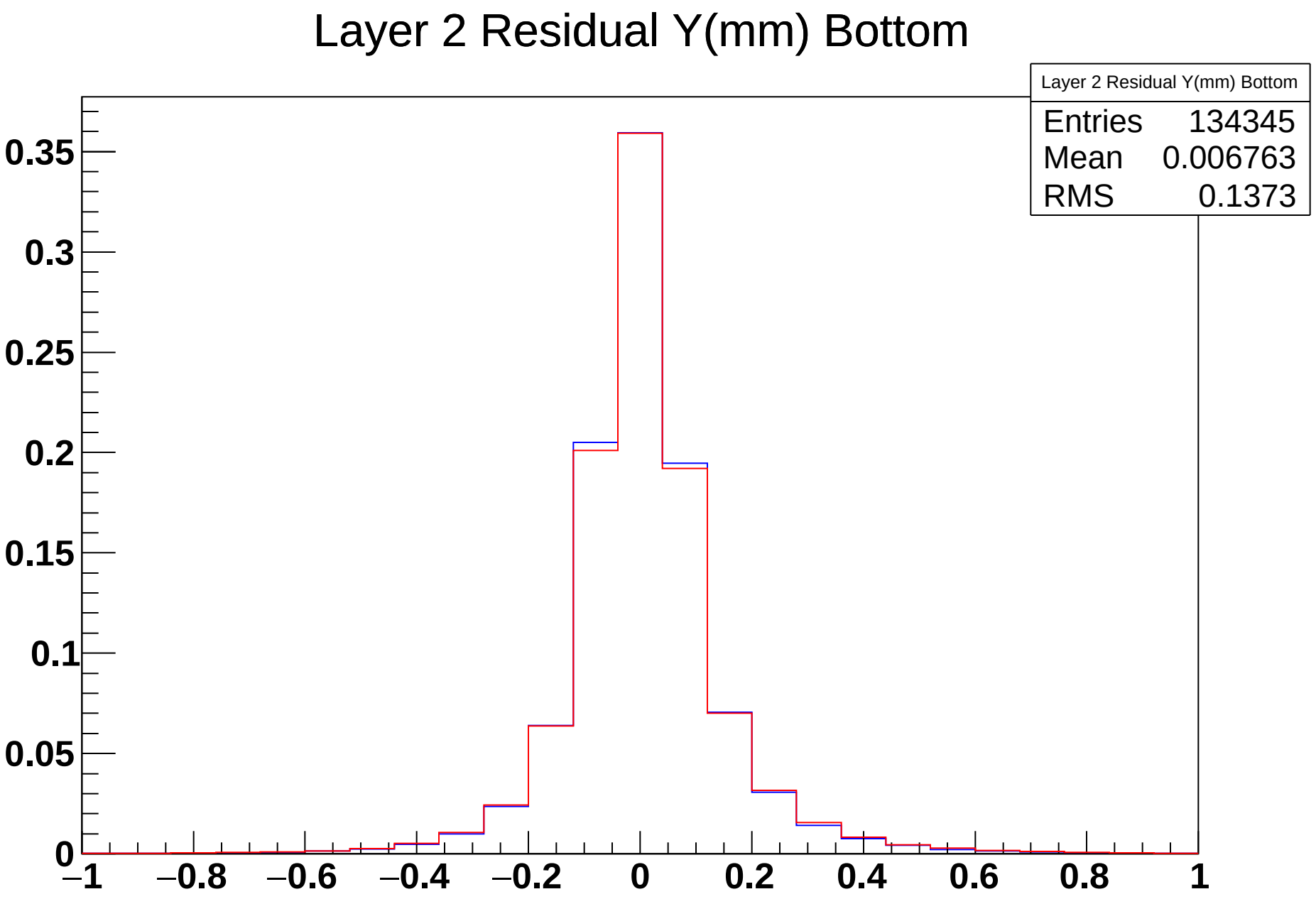

Layer 1 Residual Y(mm) Top
Layer 1 Residual Y(mm) Top
Entries 102693
Mean 5.339e−05
RMS 0.002615
1
0.8
0.6
0.4
0.2
0
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04

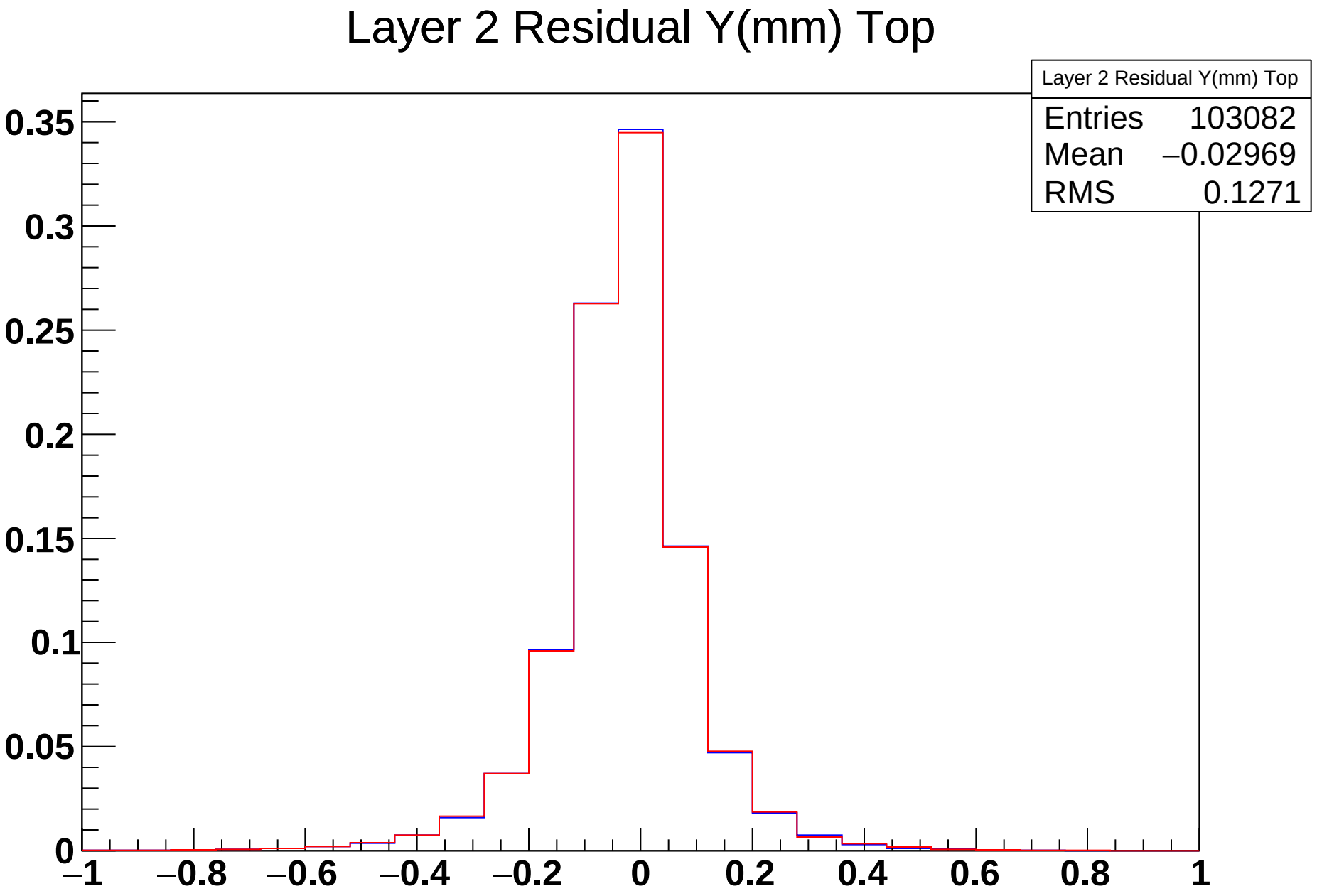

Layer 2 Residual X(mm)
Layer 2 Residual X(mm)
Entries 237461
Mean −0.001079
RMS 0.2196
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

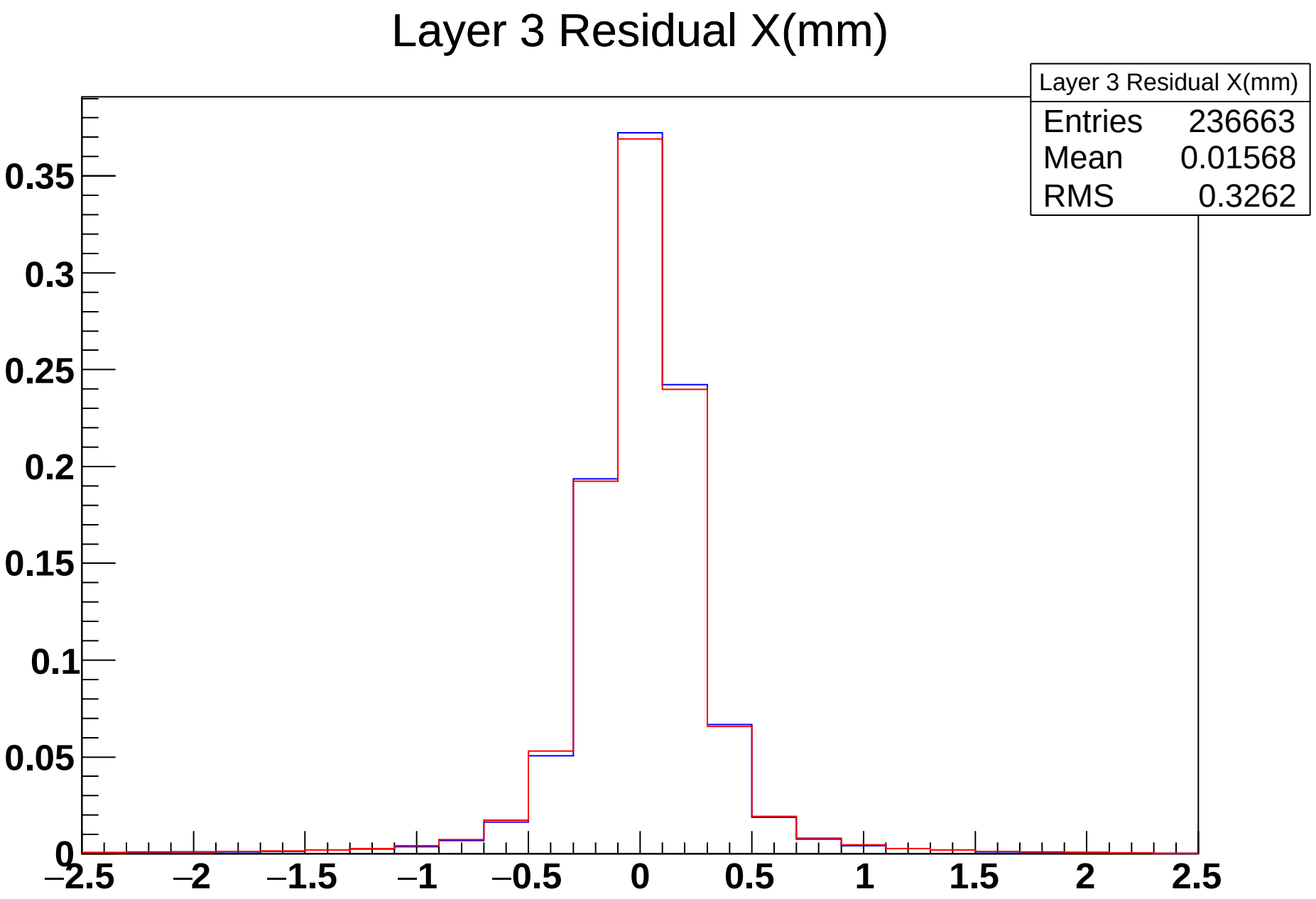

Layer 2 Residual X(mm) Bottom
Layer 2 Residual X(mm) Bottom
Entries 134343
Mean −0.04286
RMS 0.2385
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

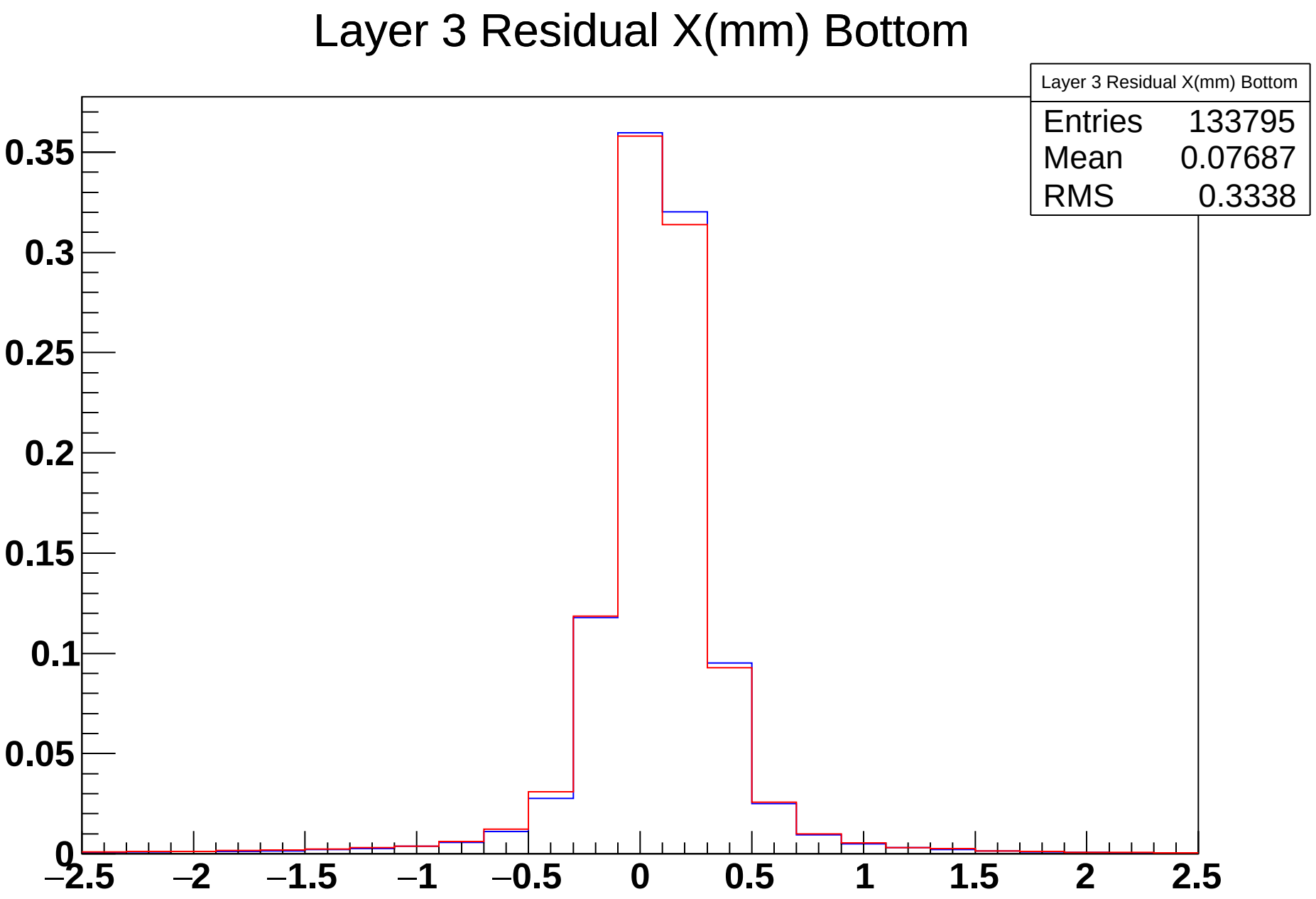

Layer 2 Residual X(mm) Top
Layer 2 Residual X(mm) Top
Entries 103118
Mean 0.05335
RMS 0.1781
0.5
0.4
0.3
0.2
0.1
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

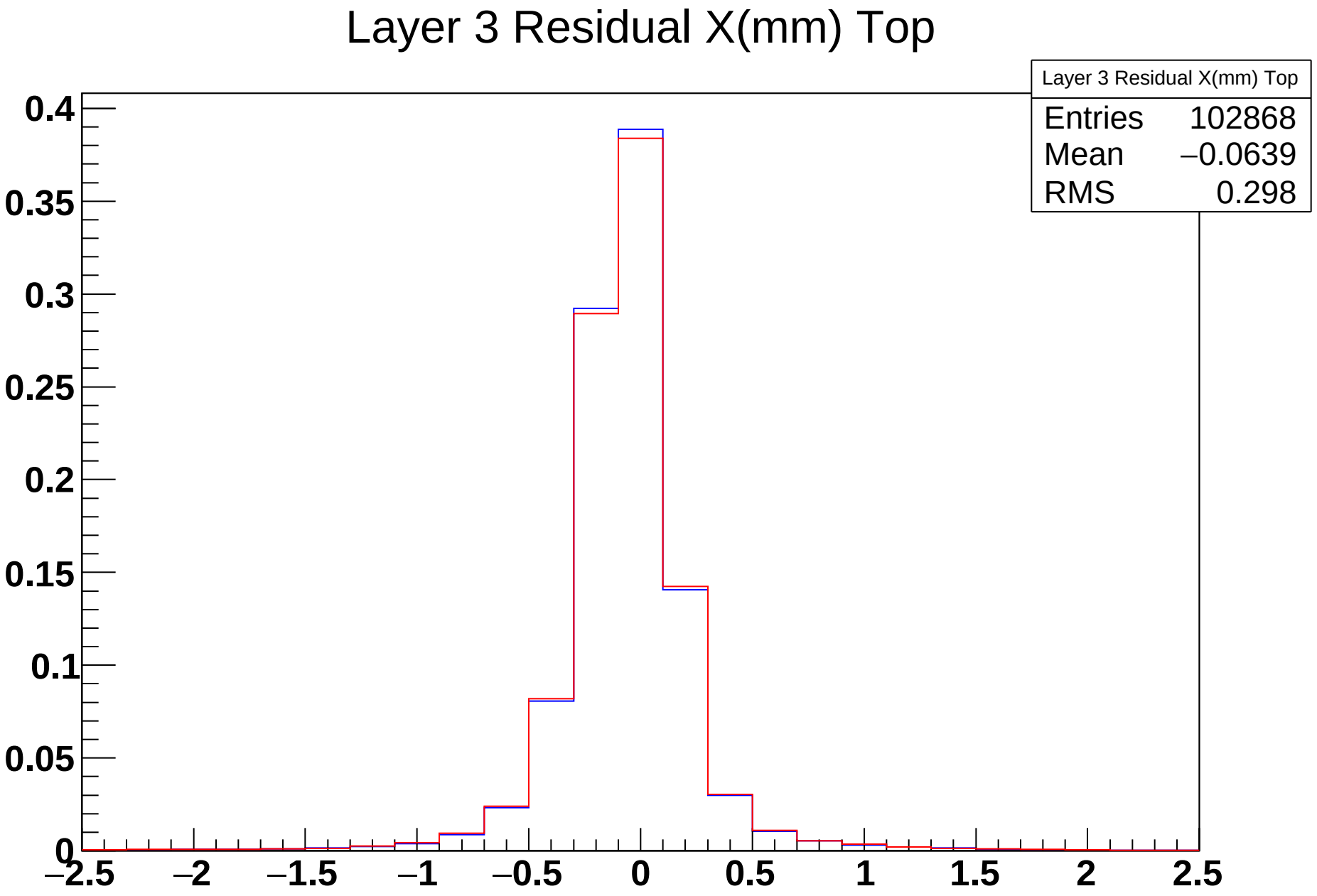

Layer 2 Residual Y(mm)
Layer 2 Residual Y(mm)
Entries 237427
Mean −0.009065
RMS 0.1342
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1


Layer 2 Residual Y(mm) Bottom
Layer 2 Residual Y(mm) Bottom
Entries 134345
Mean 0.006763
RMS 0.1373
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1


Layer 2 Residual Y(mm) Top
Layer 2 Residual Y(mm) Top
Entries 103082
Mean −0.02969
RMS 0.1271
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1


Layer 3 Residual X(mm)
Layer 3 Residual X(mm)
Entries 236663
Mean 0.01568
RMS 0.3262
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–2.5
–2
–1.5
–1
–0.5
0
0.5
1
1.5
2
2.5


Layer 3 Residual X(mm) Bottom
Layer 3 Residual X(mm) Bottom
Entries 133795
Mean 0.07687
RMS 0.3338
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–2.5
–2
–1.5
–1
–0.5
0
0.5
1
1.5
2
2.5


Layer 3 Residual X(mm) Top
Layer 3 Residual X(mm) Top
Entries 102868
Mean –0.0639
RMS 0.298
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
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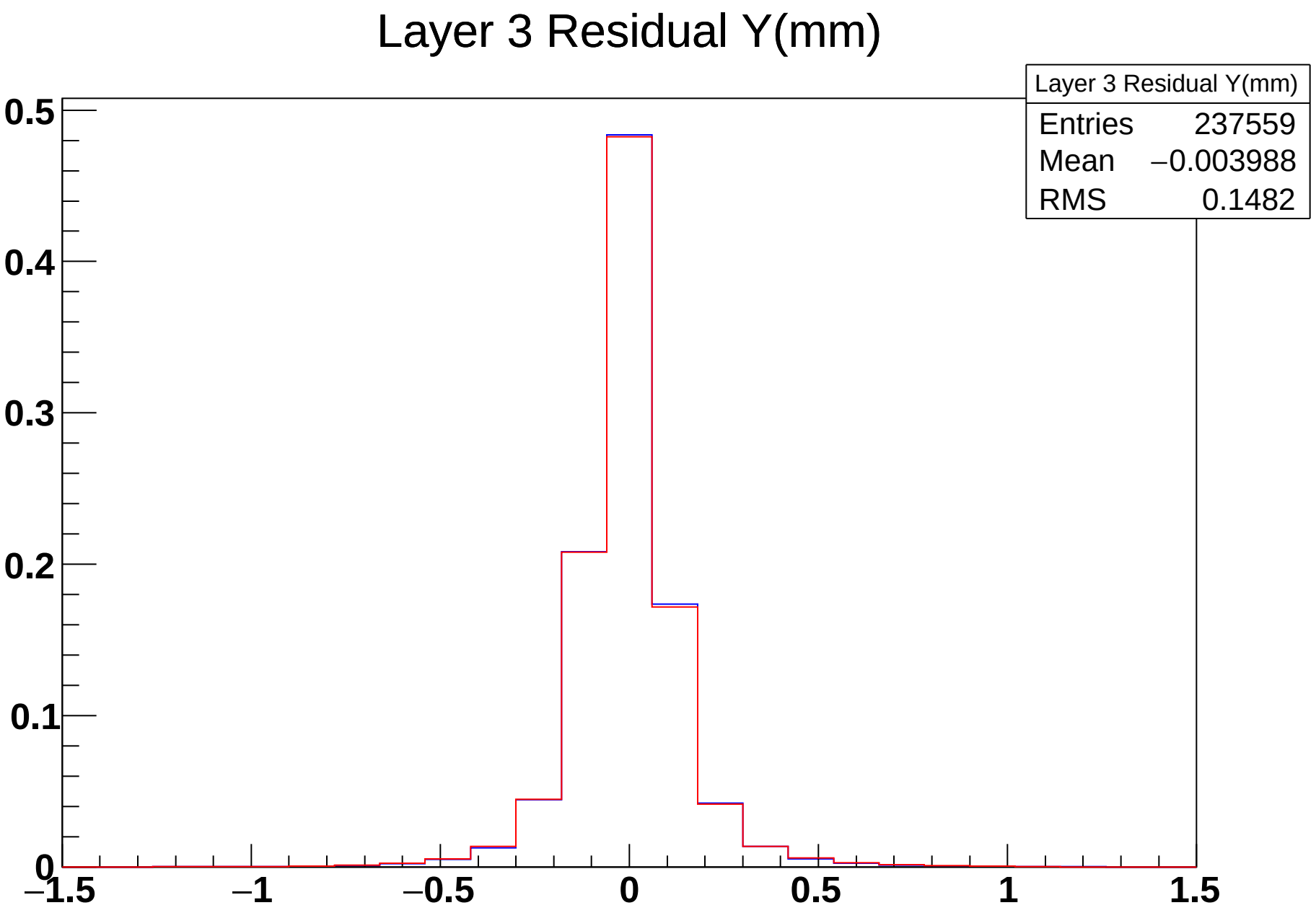
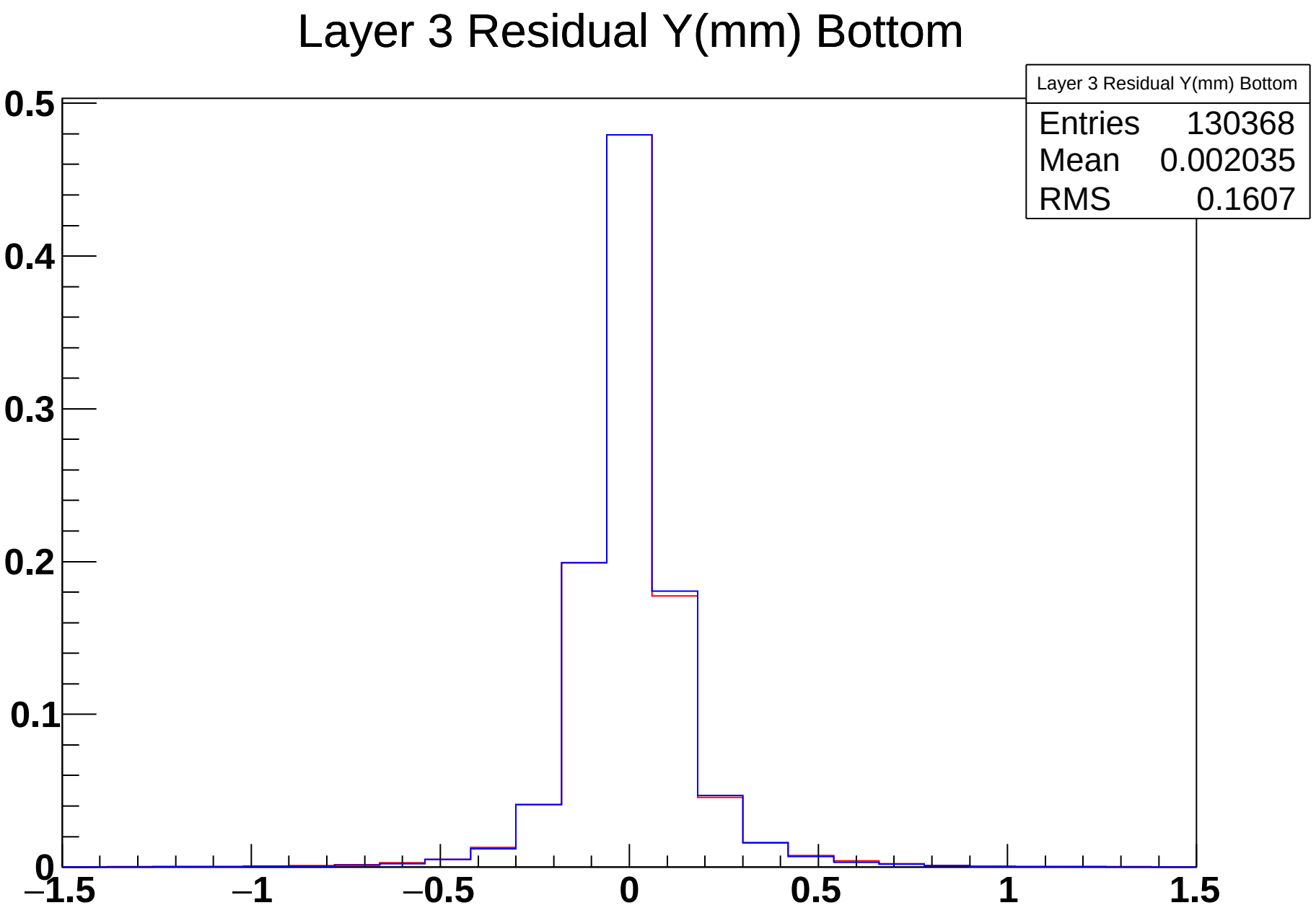
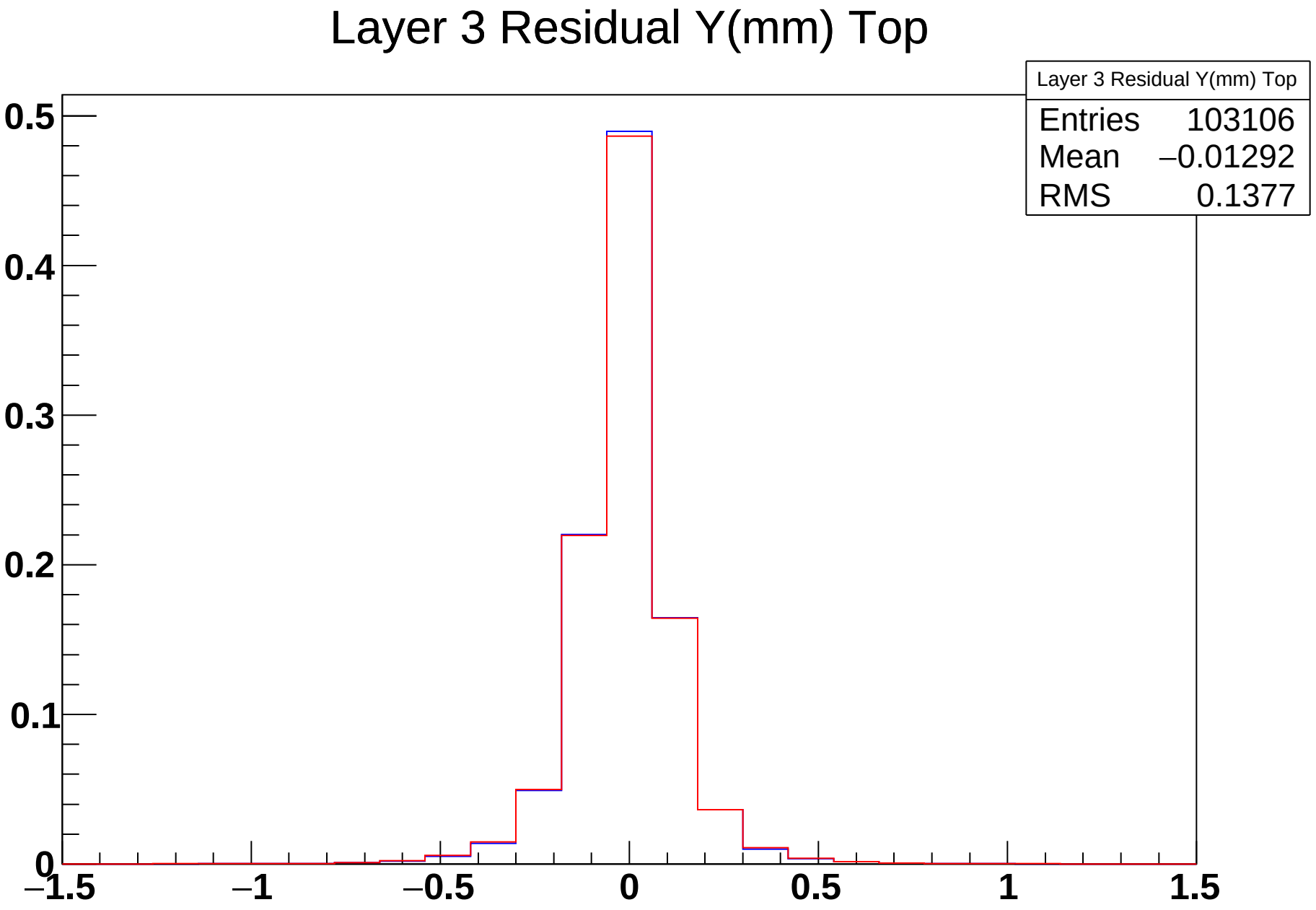
–2.5
–2
–1.5
–1
–0.5
0
0.5
1
1.5
2
2.5


Layer 3 Residual Y(mm)
Layer 3 Residual Y(mm)
Entries 237559
Mean −0.003988
RMS 0.1482
0.5
0.4
0.3
0.2
0.1
0
−1.5
−1
−0.5
0
0.5
1
1.5


Layer 3 Residual Y(mm) Bottom
Layer 3 Residual Y(mm) Bottom
Entries 130368
Mean 0.002035
RMS 0.1607
0.5
0.4
0.3
0.2
0.1
0
–1.5
–1
–0.5
0
0.5
1
1.5


Layer 3 Residual Y(mm) Top
Layer 3 Residual Y(mm) Top
Entries 103106
Mean –0.01292
RMS 0.1377
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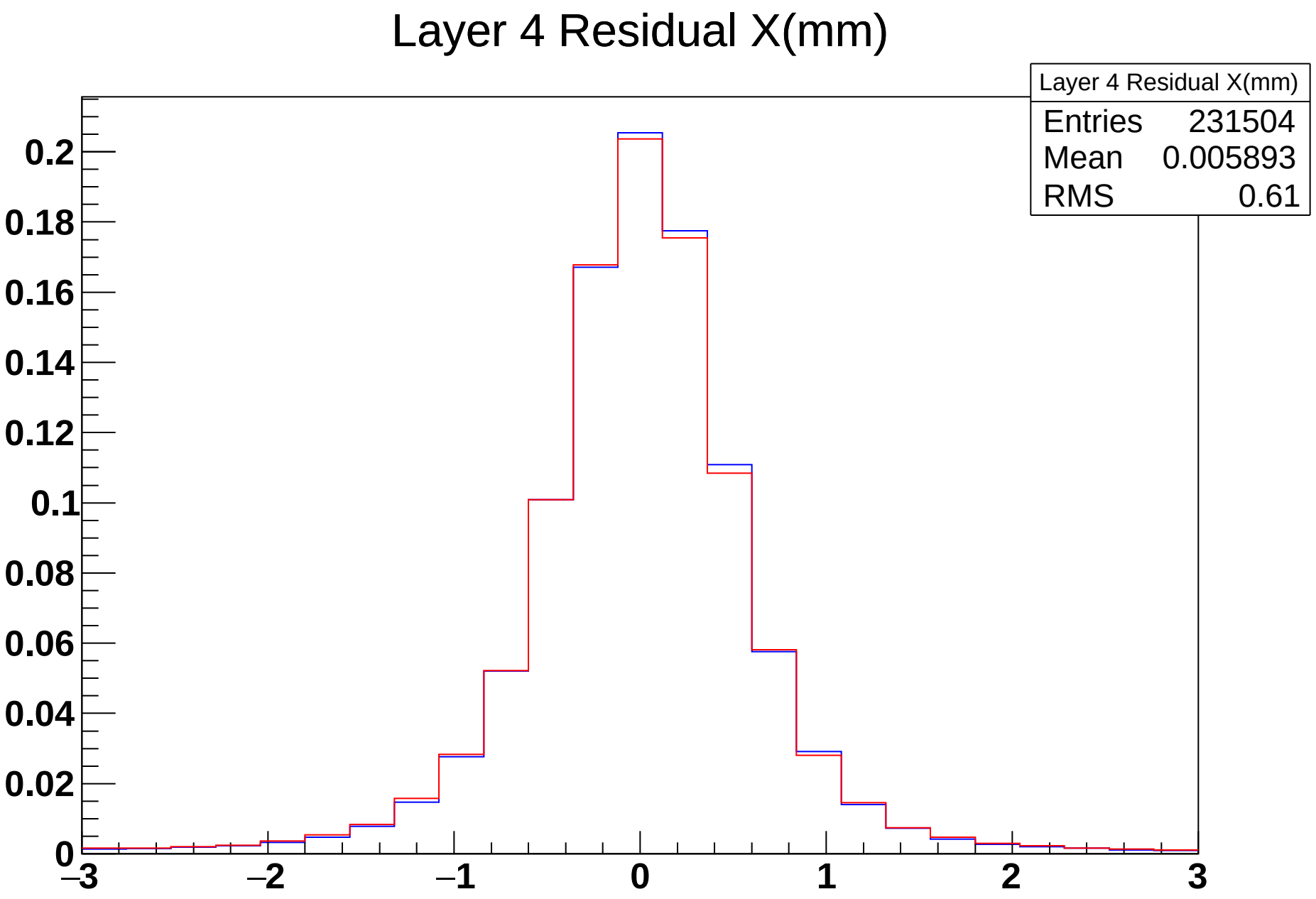
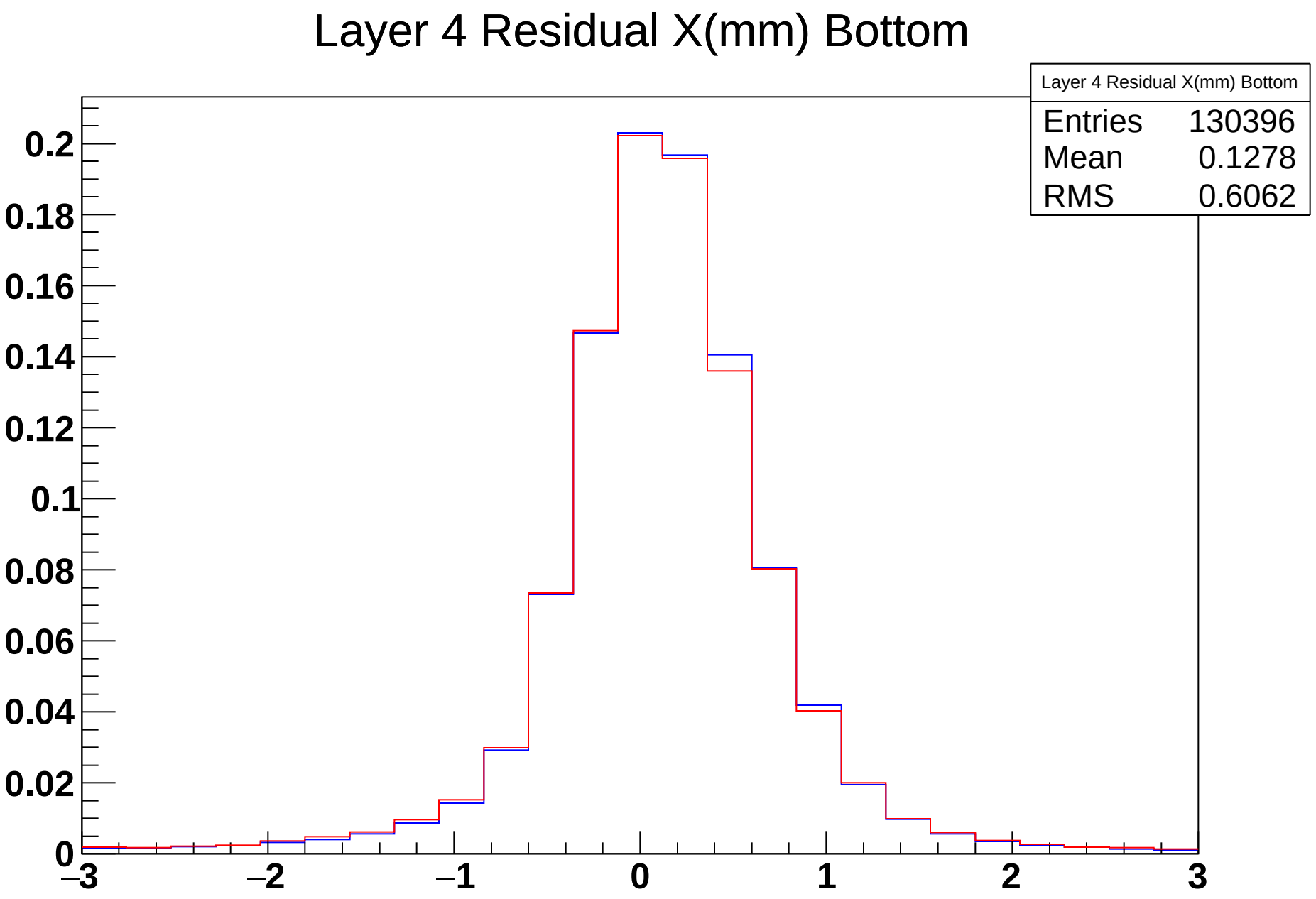
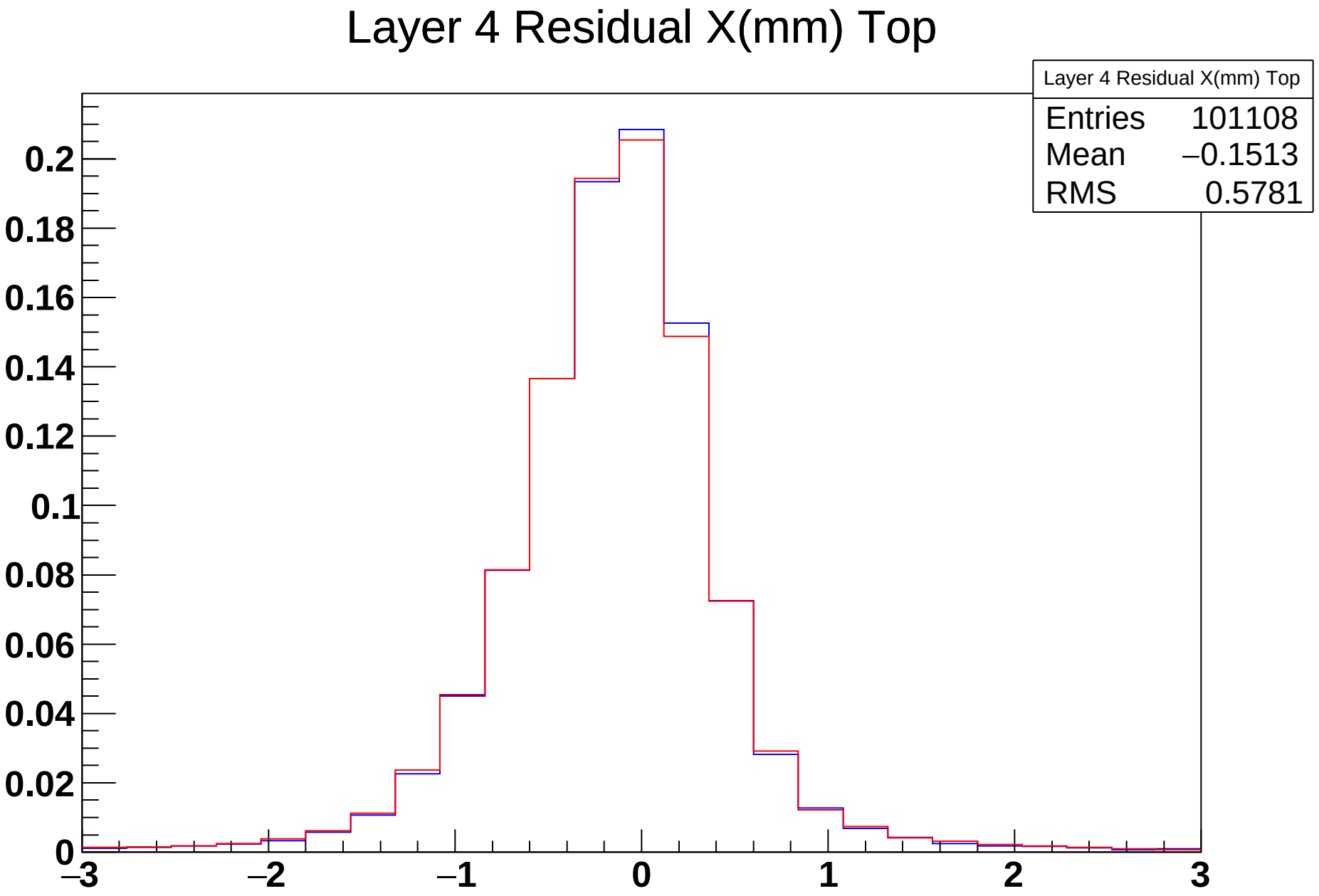
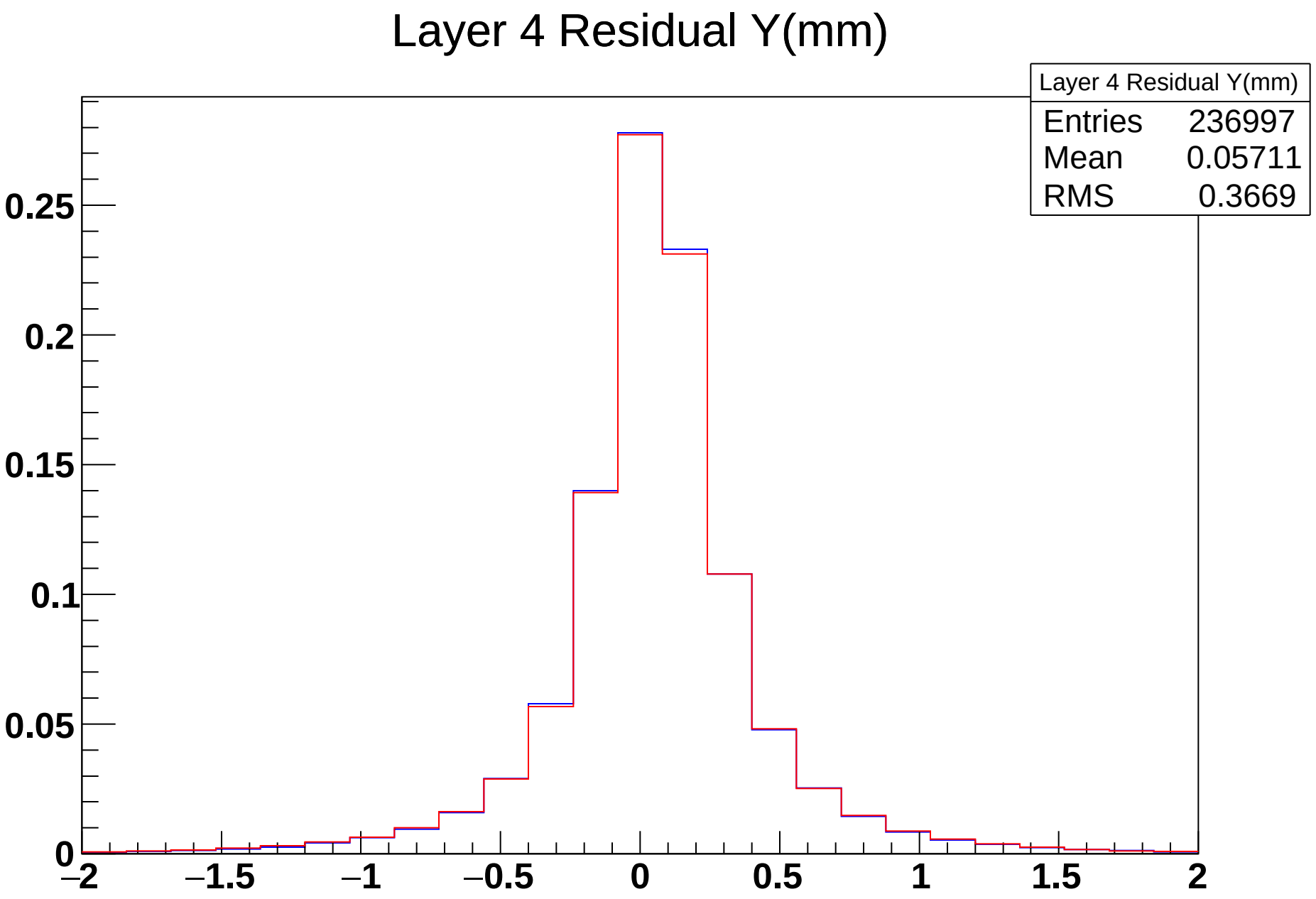
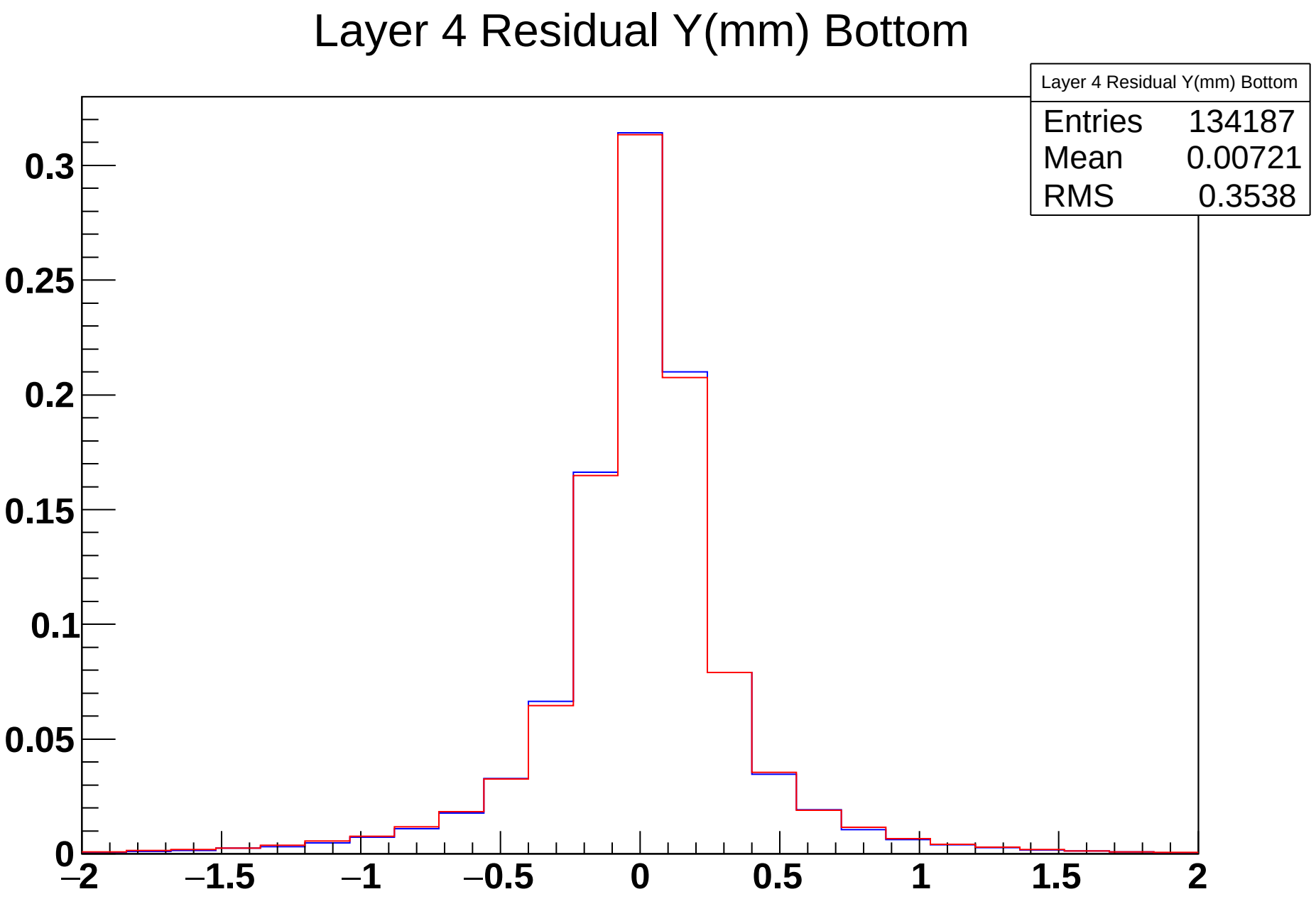
0.4
0.3
0.2
0.1
0
–1.5
–1
–0.5
0
0.5
1
1.5

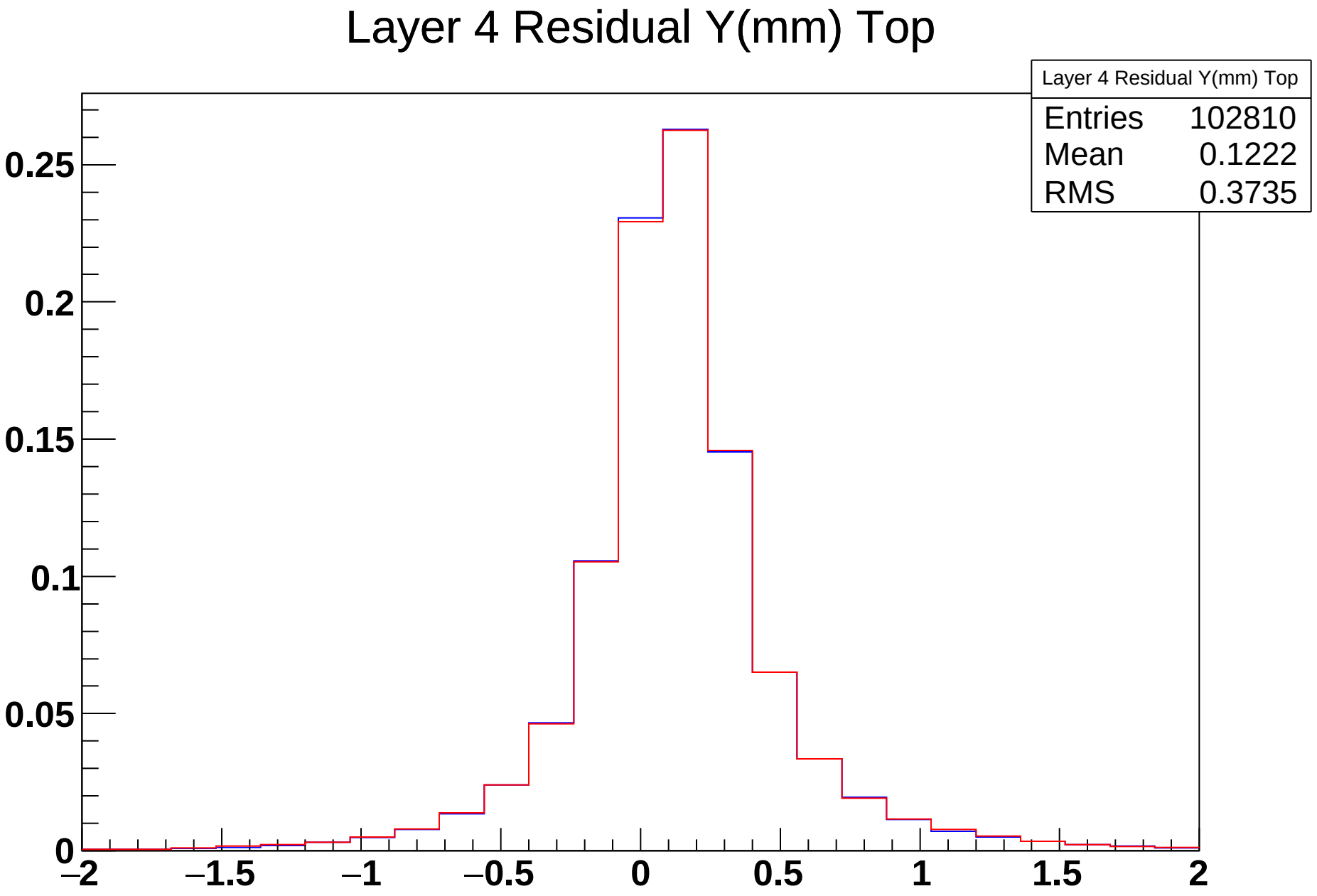

Layer 4 Residual X(mm)
Layer 4 Residual X(mm)
Entries 231504
Mean 0.005893
RMS 0.61
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

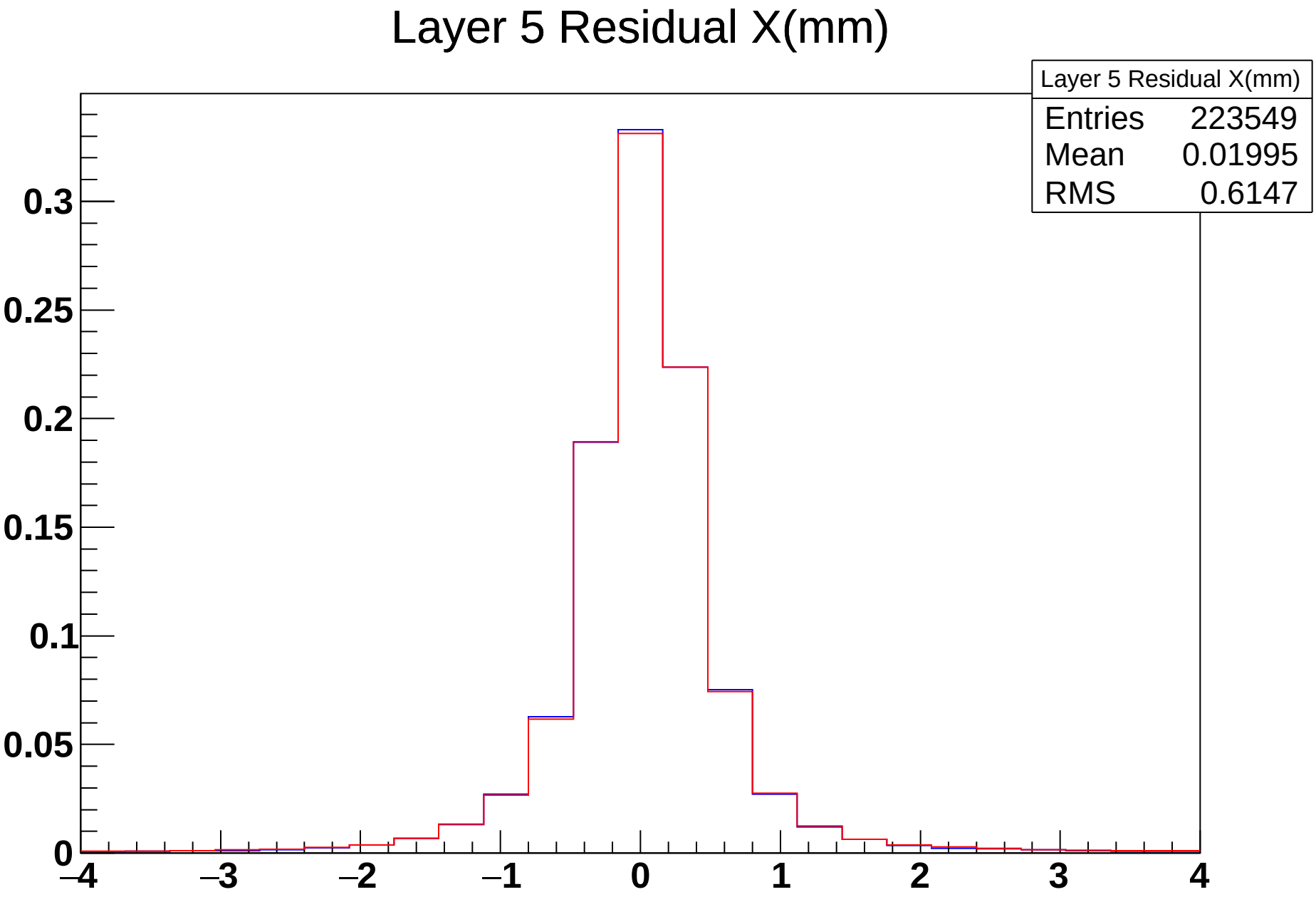

Layer 4 Residual X(mm) Bottom
Layer 4 Residual X(mm) Bottom
Entries 130396
Mean 0.1278
RMS 0.6062
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

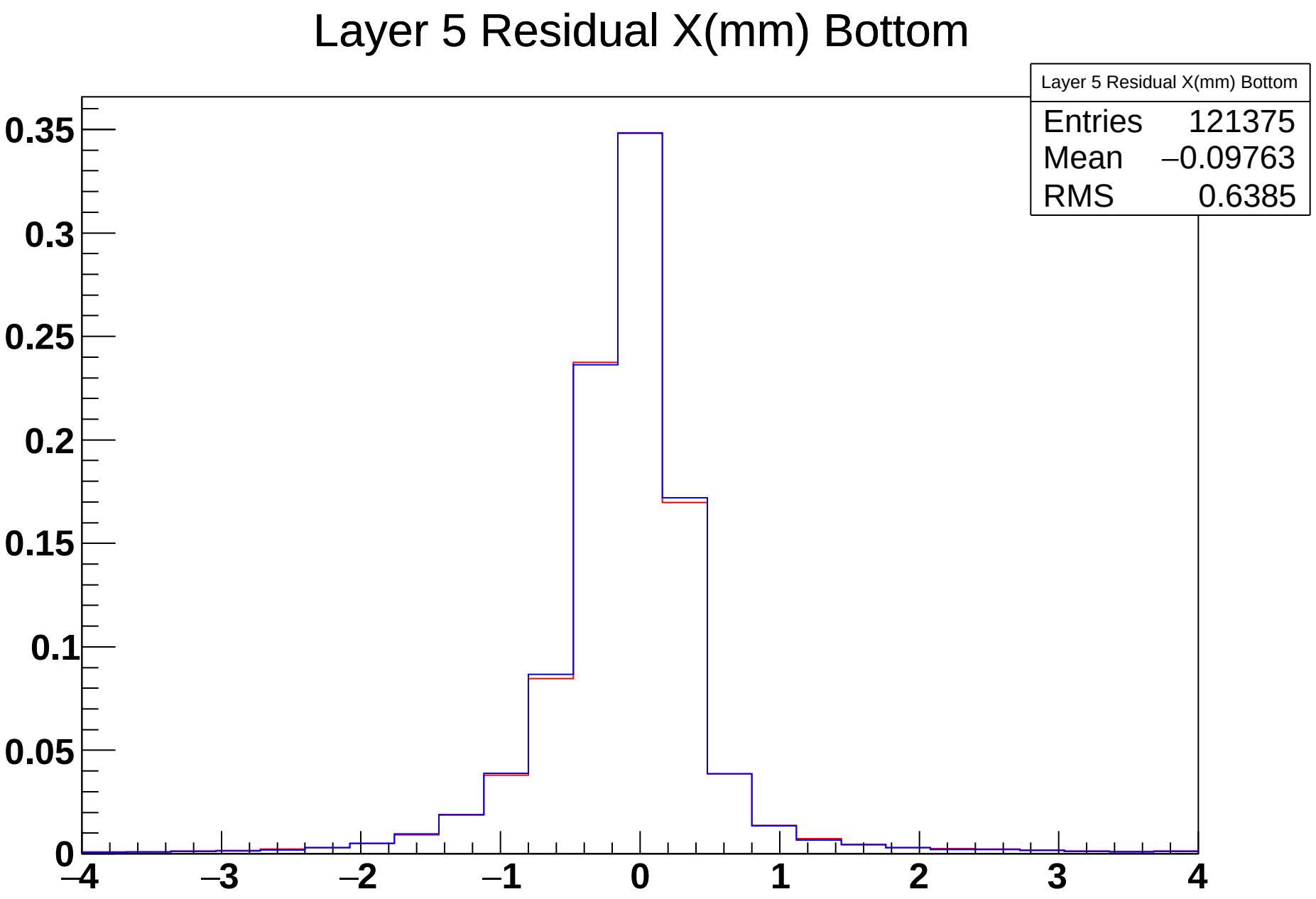

Layer 4 Residual X(mm) Top
Layer 4 Residual X(mm) Top
Entries 101108
Mean –0.1513
RMS 0.5781
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

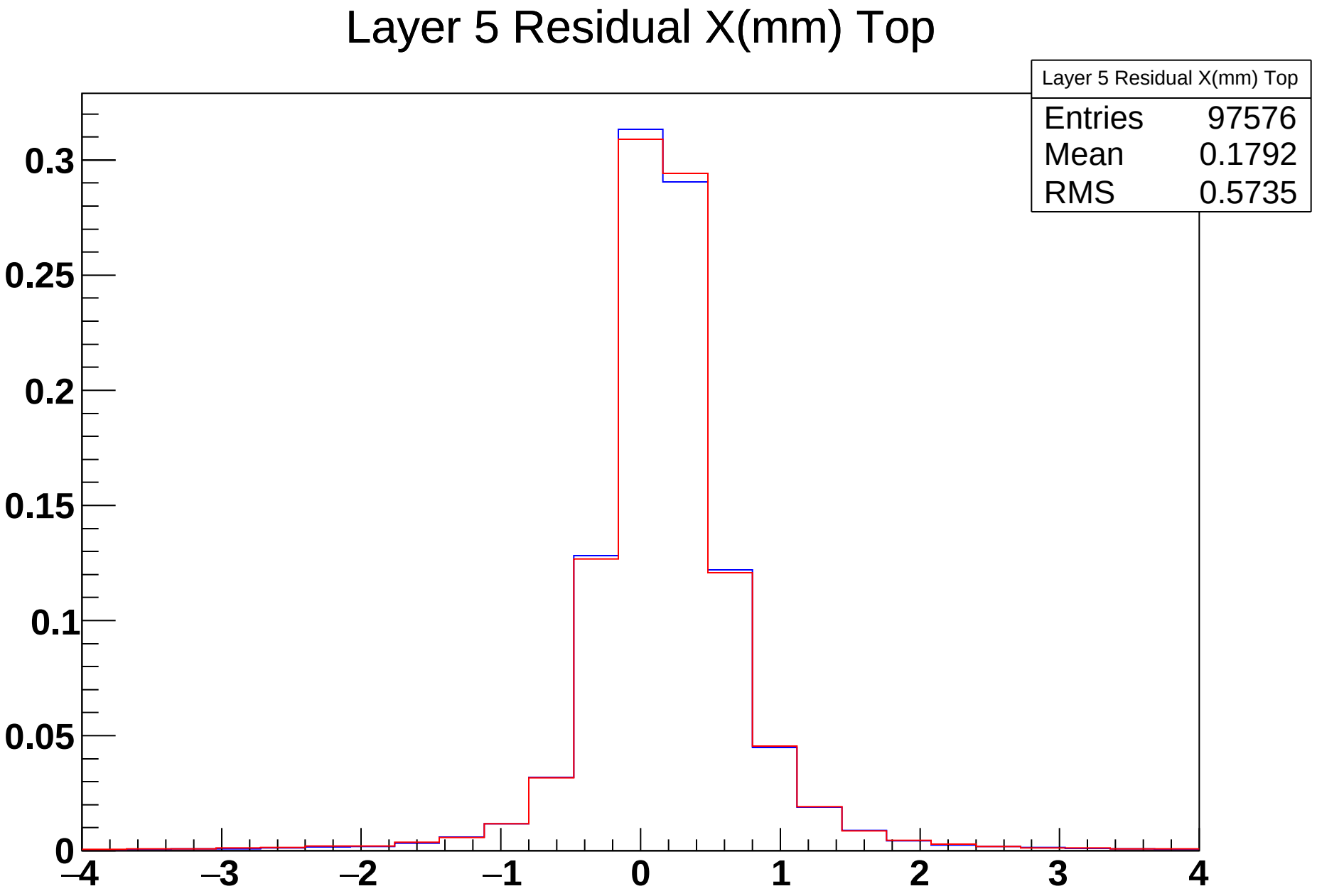

Layer 4 Residual Y(mm)
Layer 4 Residual Y(mm)
Entries 236997
Mean 0.05711
RMS 0.3669
0.25
0.2
0.15
0.1
0.05
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

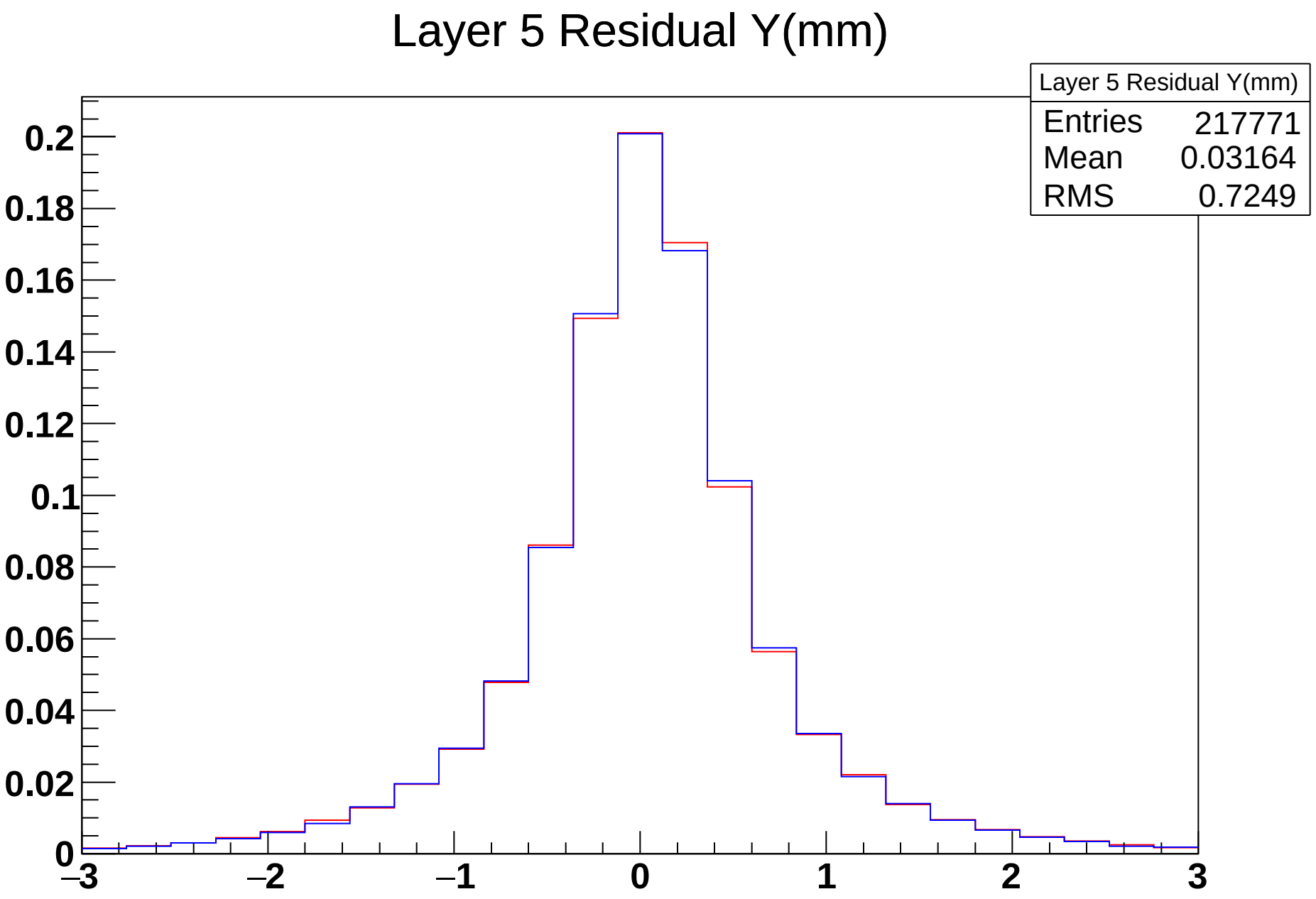

Layer 4 Residual Y(mm) Bottom
Layer 4 Residual Y(mm) Bottom
Entries 134187
Mean 0.00721
RMS 0.3538
0.3
0.25
0.2
0.15
0.1
0.05
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

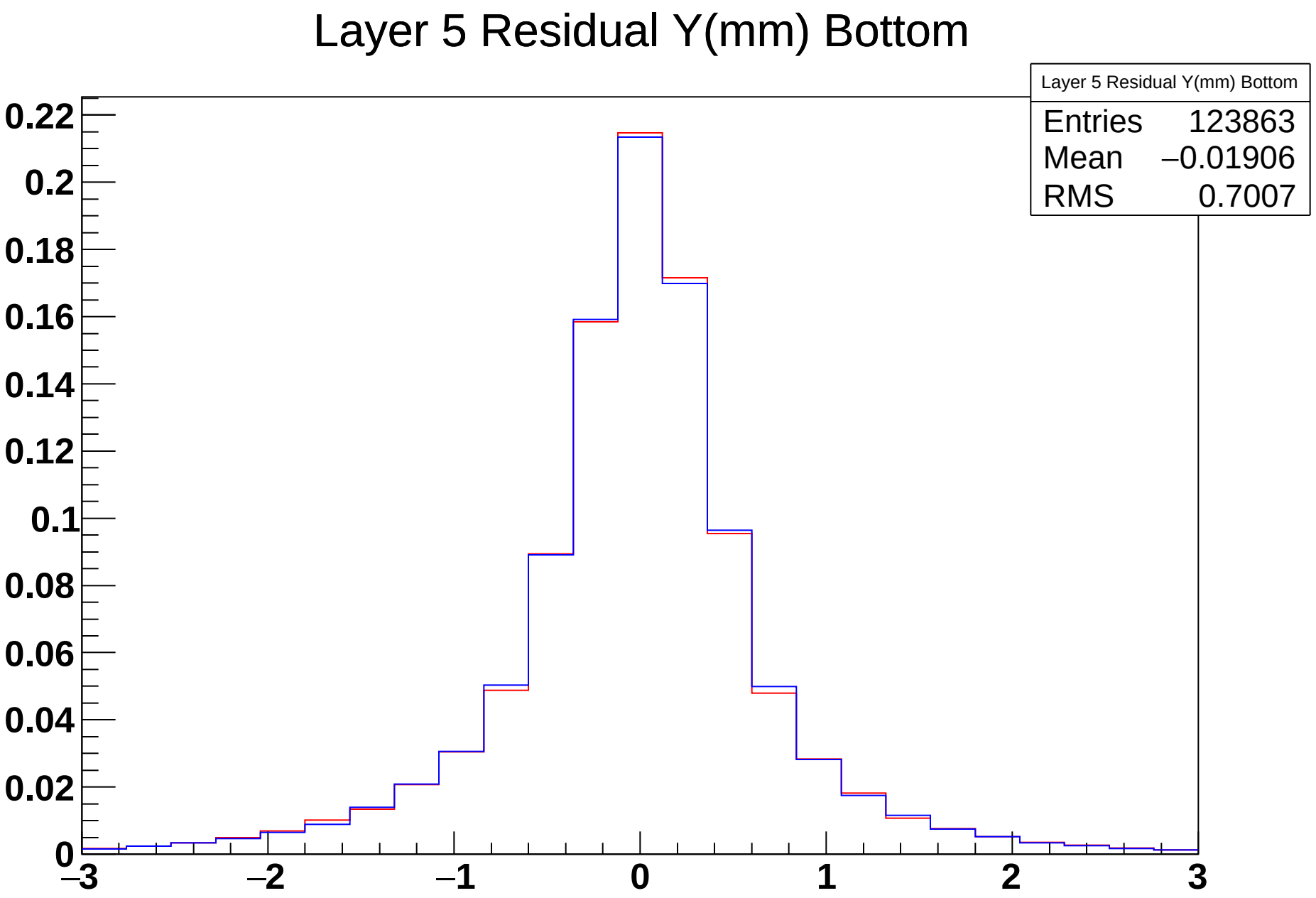

Layer 4 Residual Y(mm) Top
Layer 4 Residual Y(mm) Top
Entries 102810
Mean 0.1222
RMS 0.3735
0.25
0.2
0.15
0.1
0.05
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

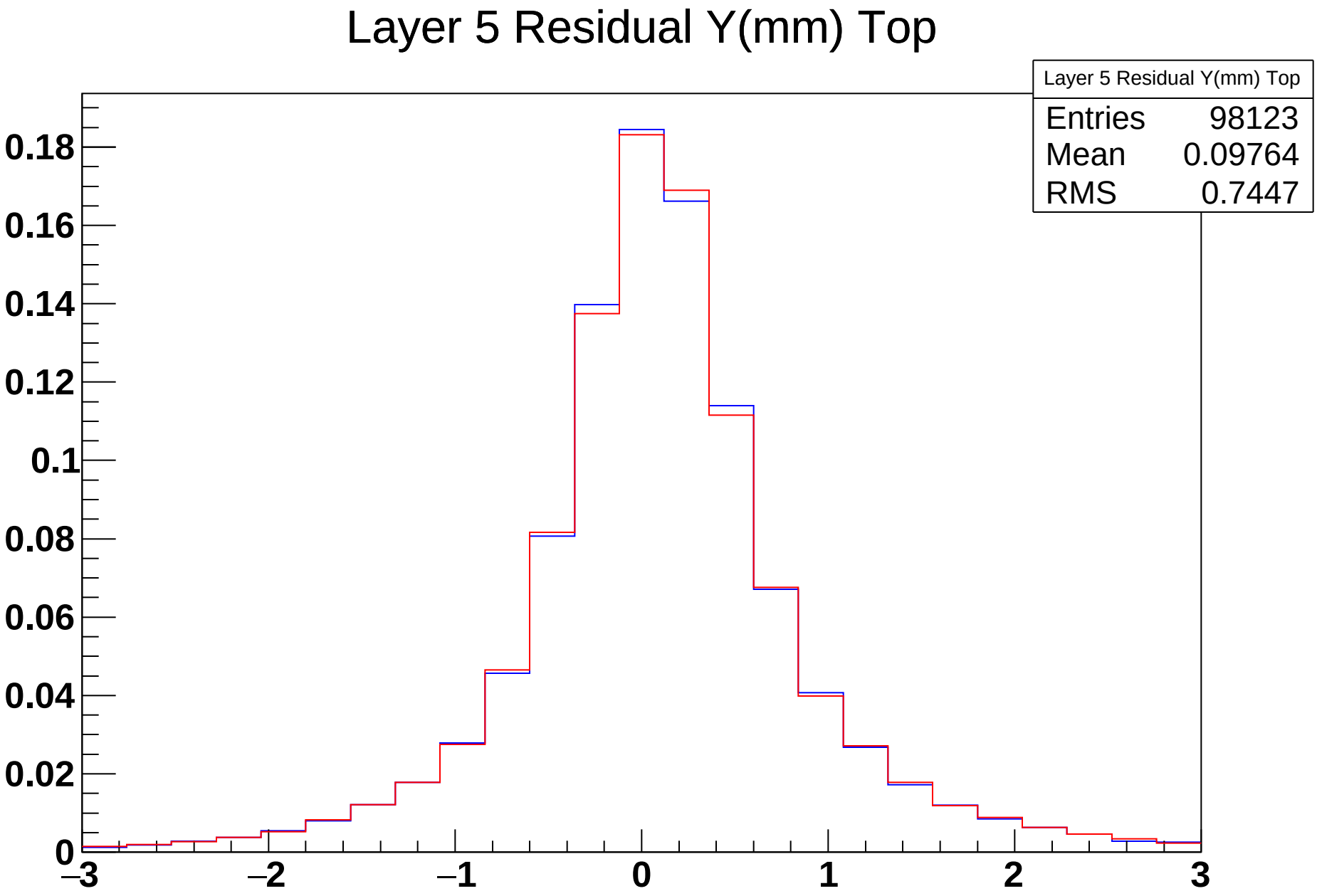

Layer 5 Residual X(mm)
Layer 5 Residual X(mm)
Entries 223549
Mean 0.01995
RMS 0.6147
0.3
0.25
0.2
0.15
0.1
0.05
0
–4
–3
–2
–1
0
1
2
3
4

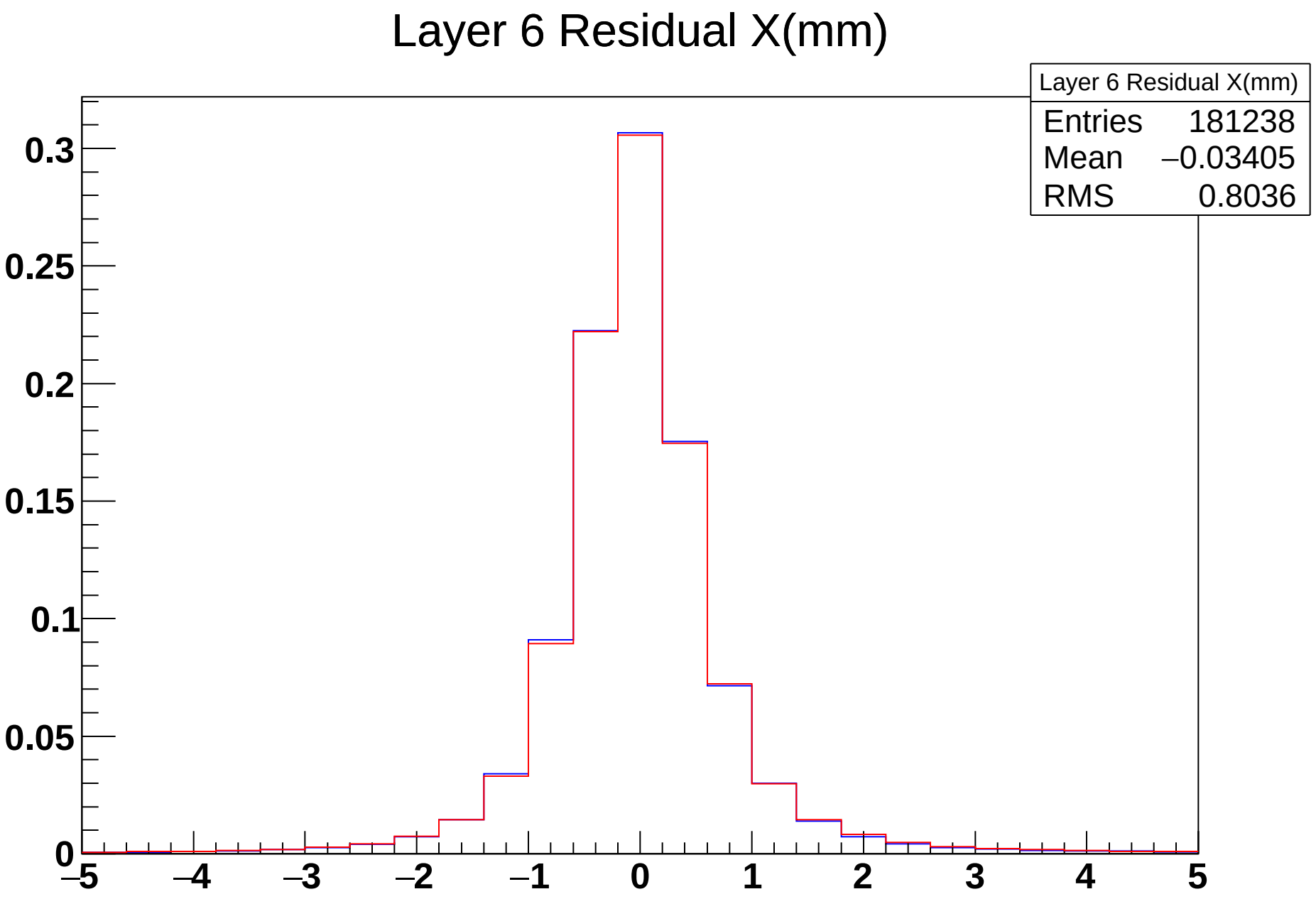

Layer 5 Residual X(mm) Bottom
Layer 5 Residual X(mm) Bottom
Entries 121375
Mean –0.09763
RMS 0.6385
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–4
–3
–2
–1
0
1
2
3
4

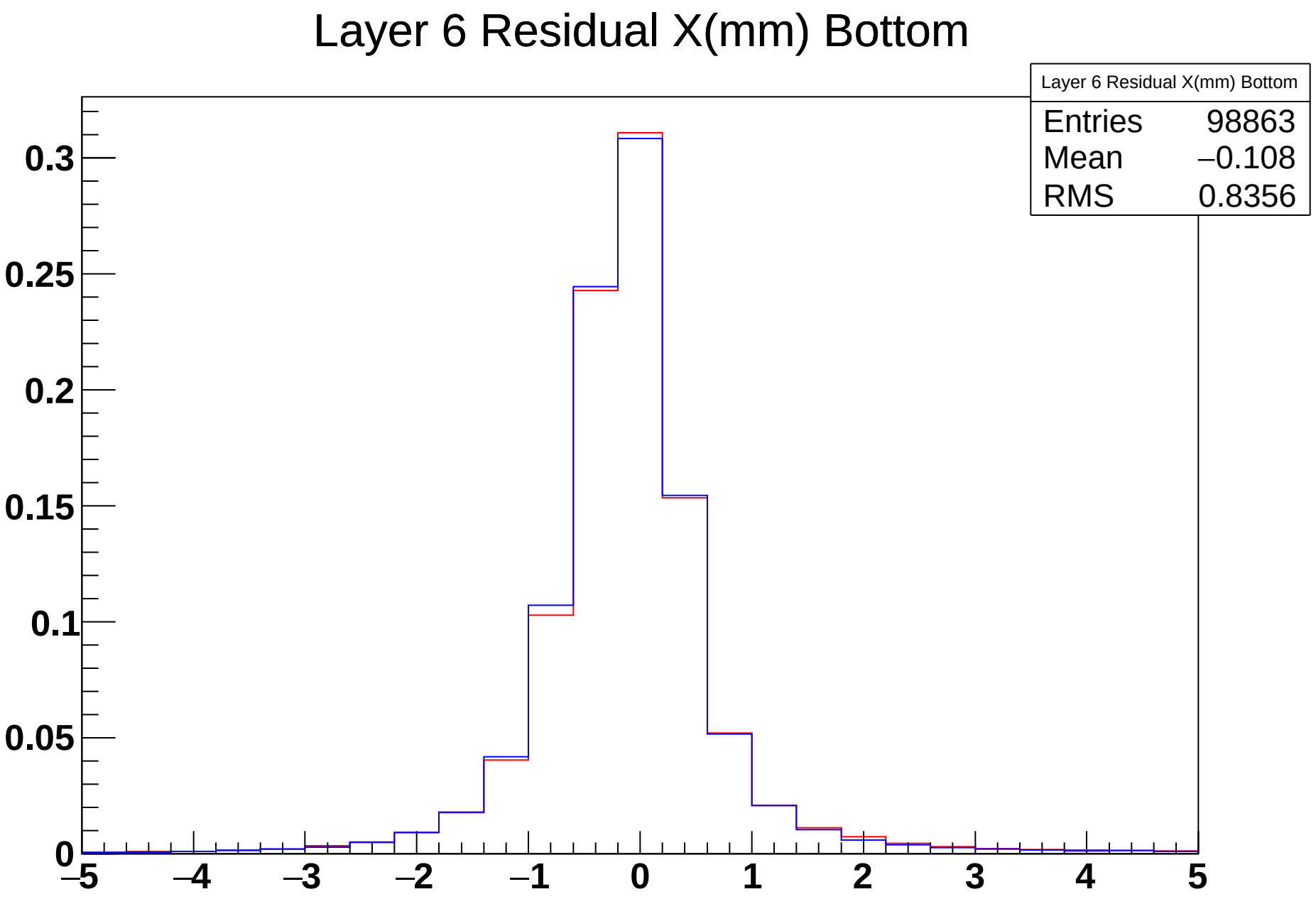

Layer 5 Residual X(mm) Top
Layer 5 Residual X(mm) Top
Entries 97576
Mean 0.1792
RMS 0.5735
0.3
0.25
0.2
0.15
0.1
0.05
0
–4
–3
–2
–1
0
1
2
3
4

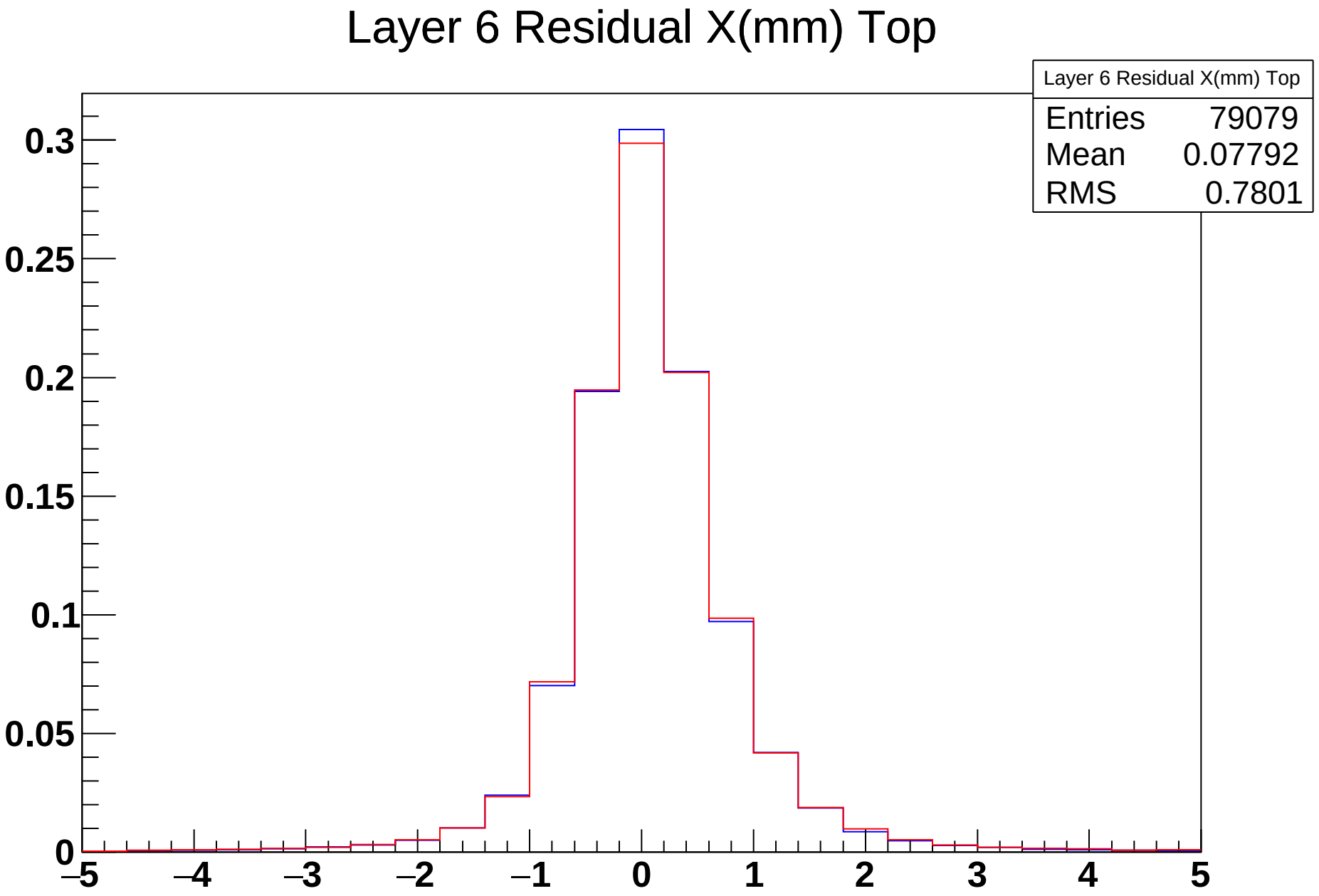

Layer 5 Residual Y(mm)
Layer 5 Residual Y(mm)
Entries 217771
Mean 0.03164
RMS 0.7249
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

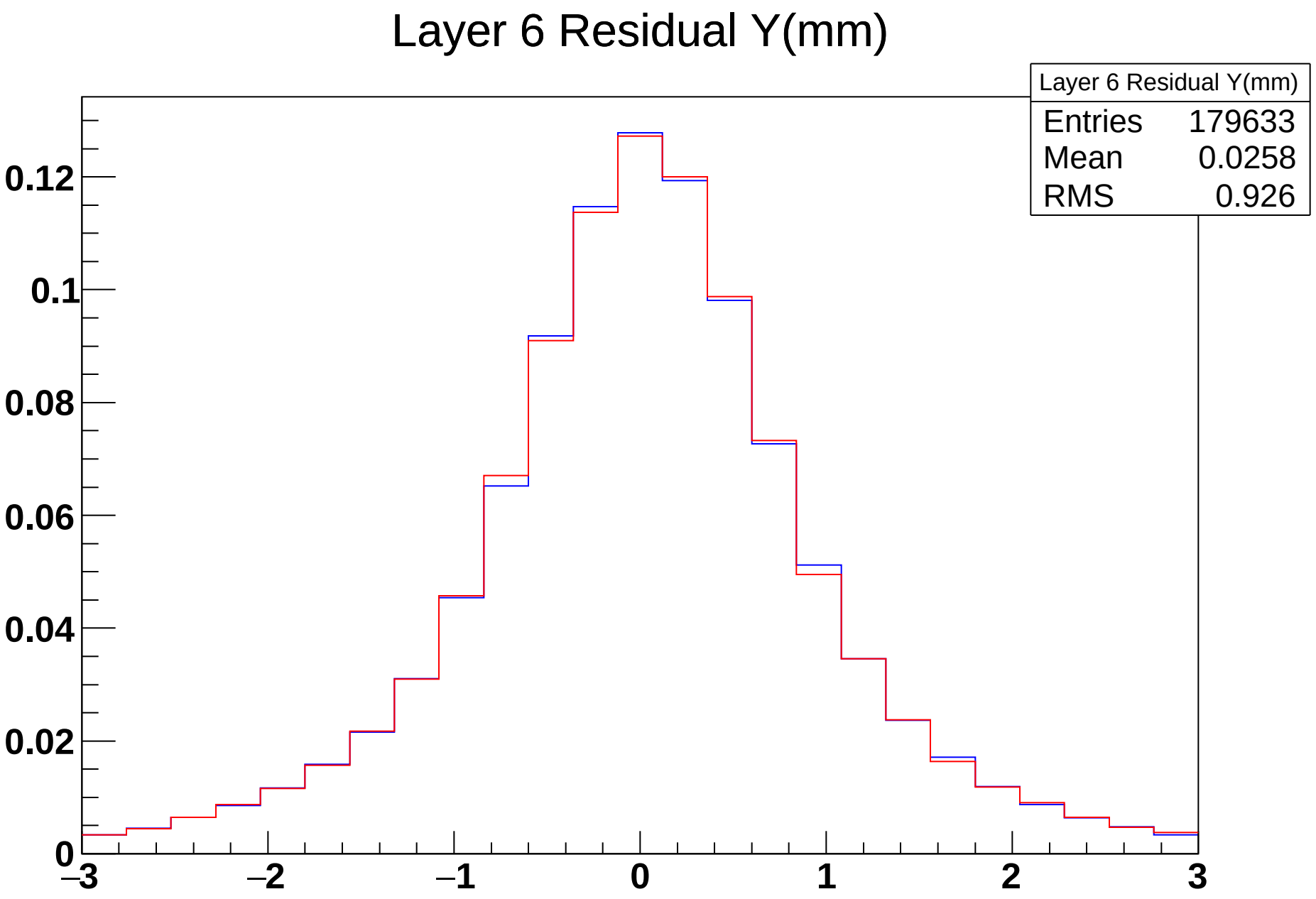

Layer 5 Residual Y(mm) Bottom
Layer 5 Residual Y(mm) Bottom
Entries 123863
Mean –0.01906
RMS 0.7007
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

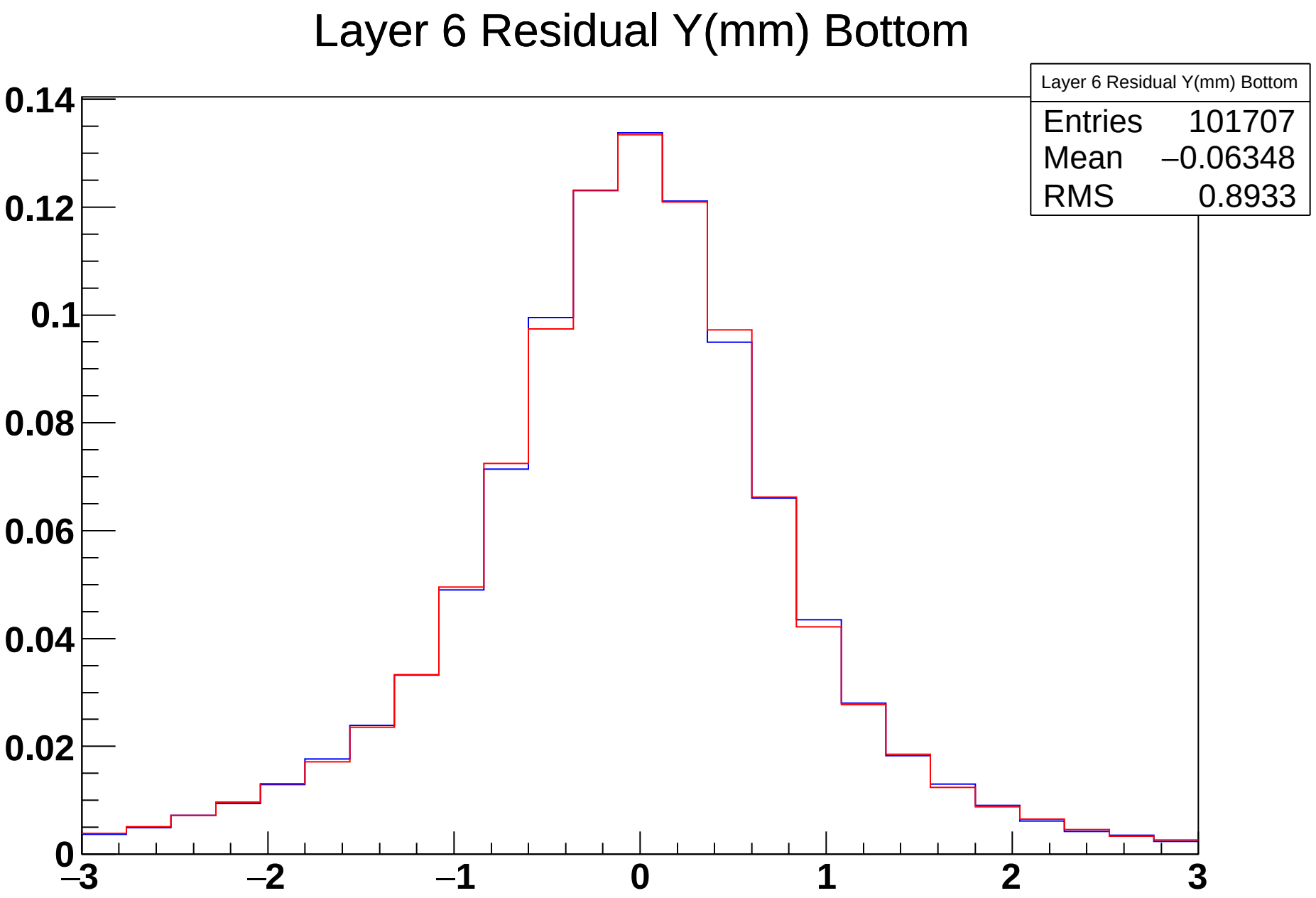

Layer 5 Residual Y(mm) Top
Layer 5 Residual Y(mm) Top
Entries 98123
Mean 0.09764
RMS 0.7447
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

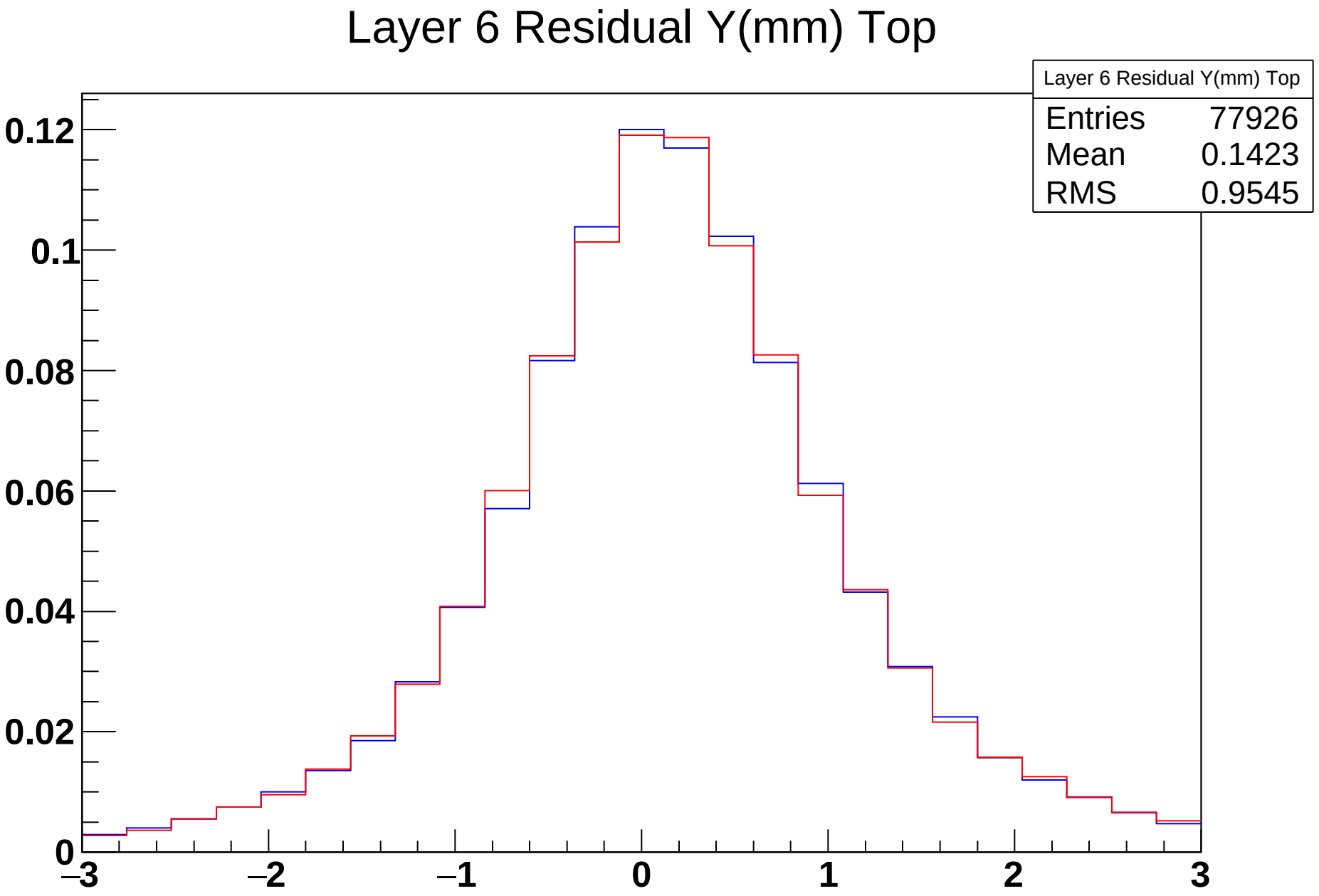

Layer 6 Residual X(mm)
Layer 6 Residual X(mm)
Entries 181238
Mean –0.03405
RMS 0.8036
0.3
0.25
0.2
0.15
0.1
0.05
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

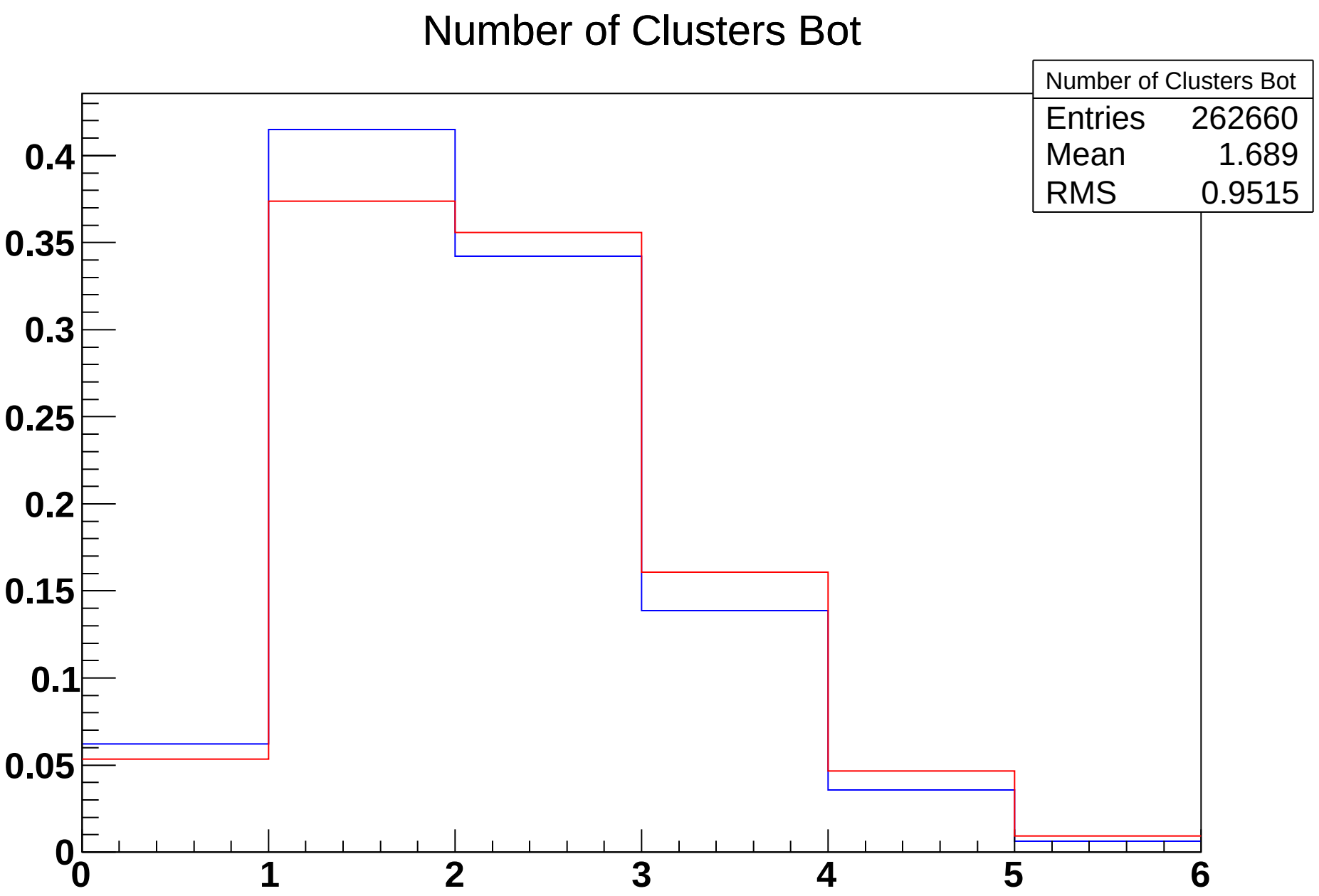

Layer 6 Residual X(mm) Bottom
Layer 6 Residual X(mm) Bottom
Entries 98863
Mean –0.108
RMS 0.8356
0.3
0.25
0.2
0.15
0.1
0.05
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

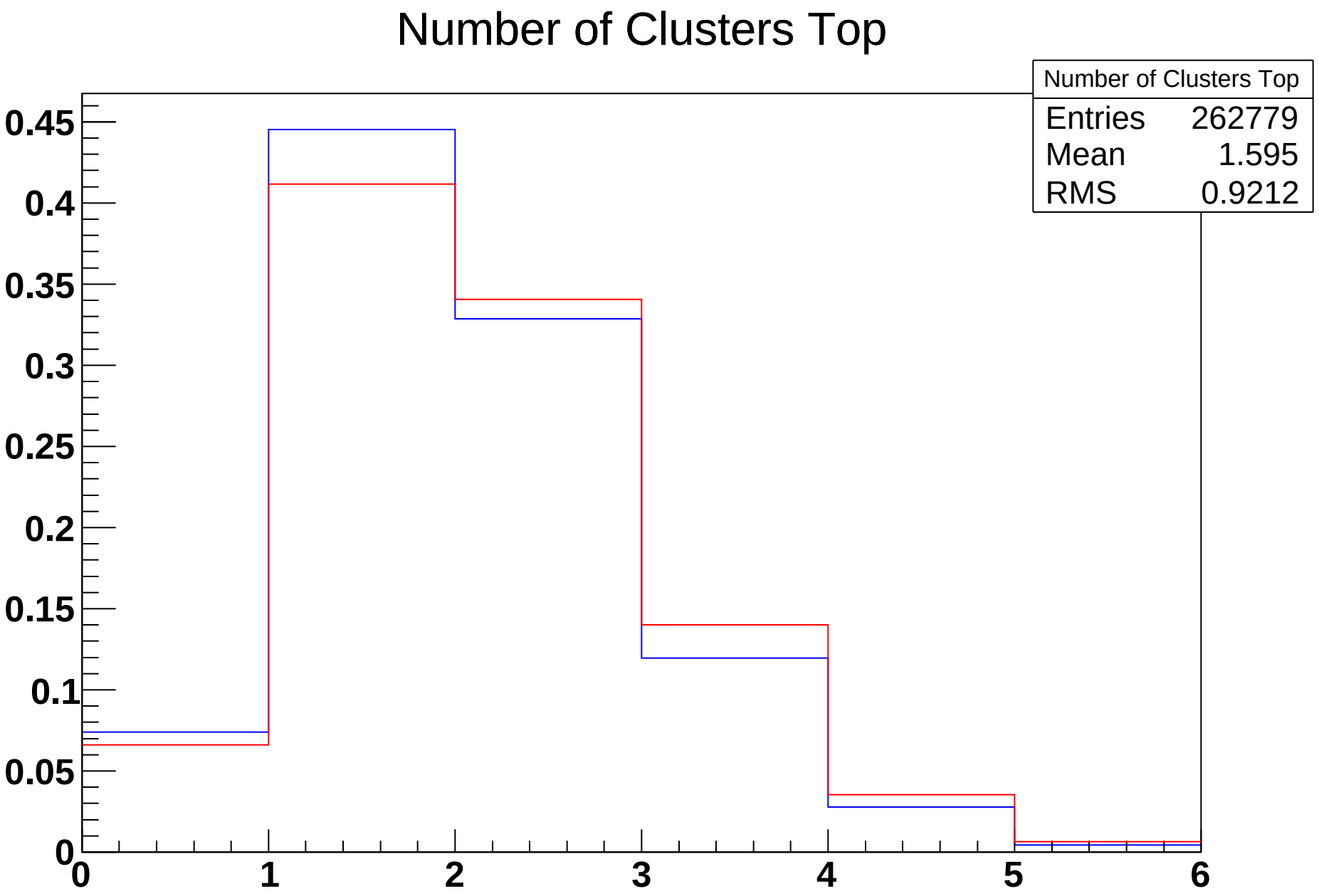

Layer 6 Residual X(mm) Top
Layer 6 Residual X(mm) Top
Entries 79079
Mean 0.07792
RMS 0.7801
0.3
0.25
0.2
0.15
0.1
0.05
0
–5
–4
–3
–2
–1
0
1
2
3
4
5


Layer 6 Residual Y(mm)
Layer 6 Residual Y(mm)
Entries 179633
Mean 0.0258
RMS 0.926
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

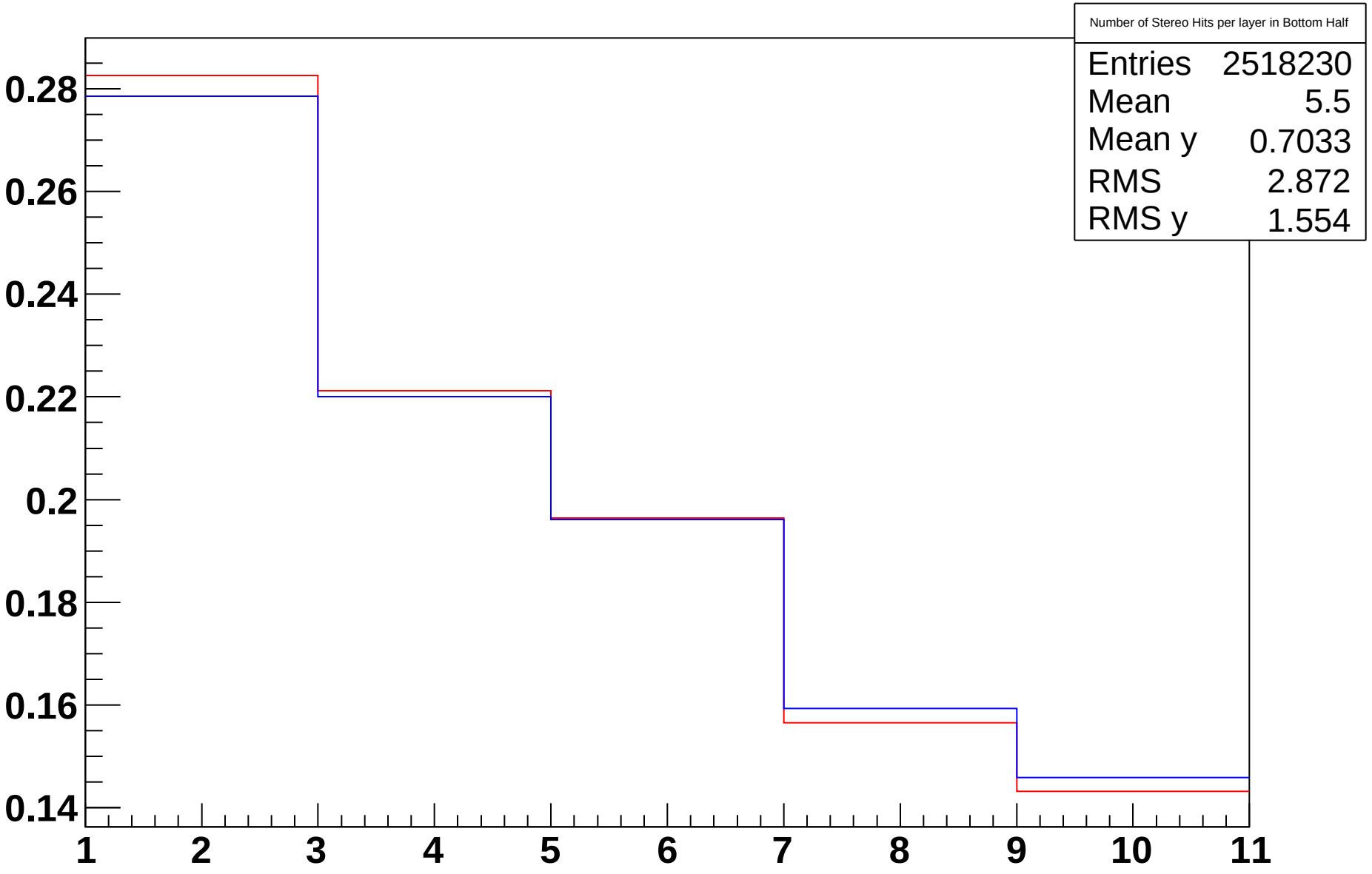

Layer 6 Residual Y(mm) Bottom
Layer 6 Residual Y(mm) Bottom
Entries 101707
Mean −0.06348
RMS 0.8933
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−3
−2
−1
0
1
2
3


Layer 6 Residual Y(mm) Top
Layer 6 Residual Y(mm) Top
Entries 77926
Mean 0.1423
RMS 0.9545
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

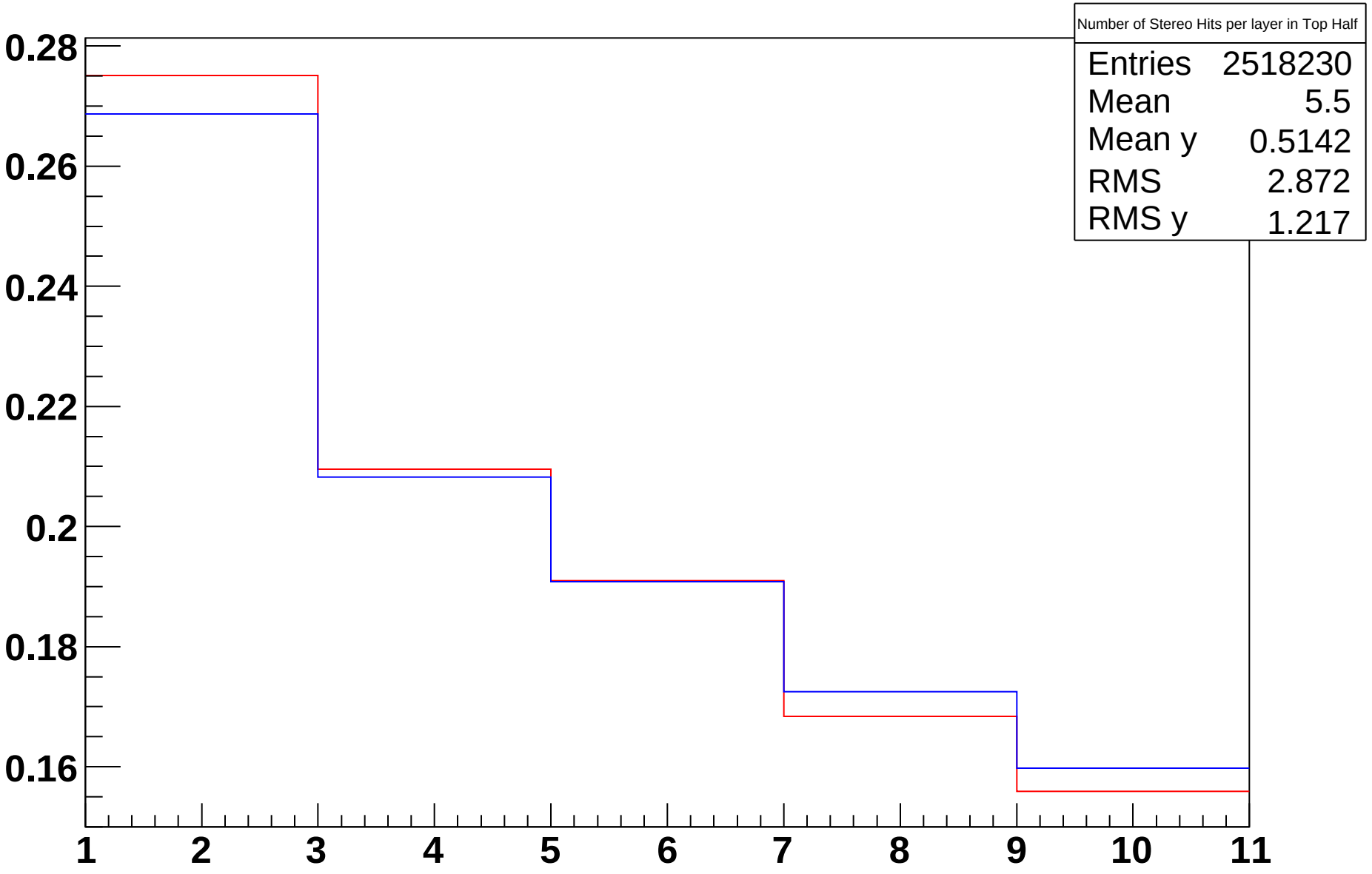

Number of Clusters Bot
Number of Clusters Bot
Entries 262660
Mean 1.689
RMS 0.9515
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
1
2
3
4
5
6

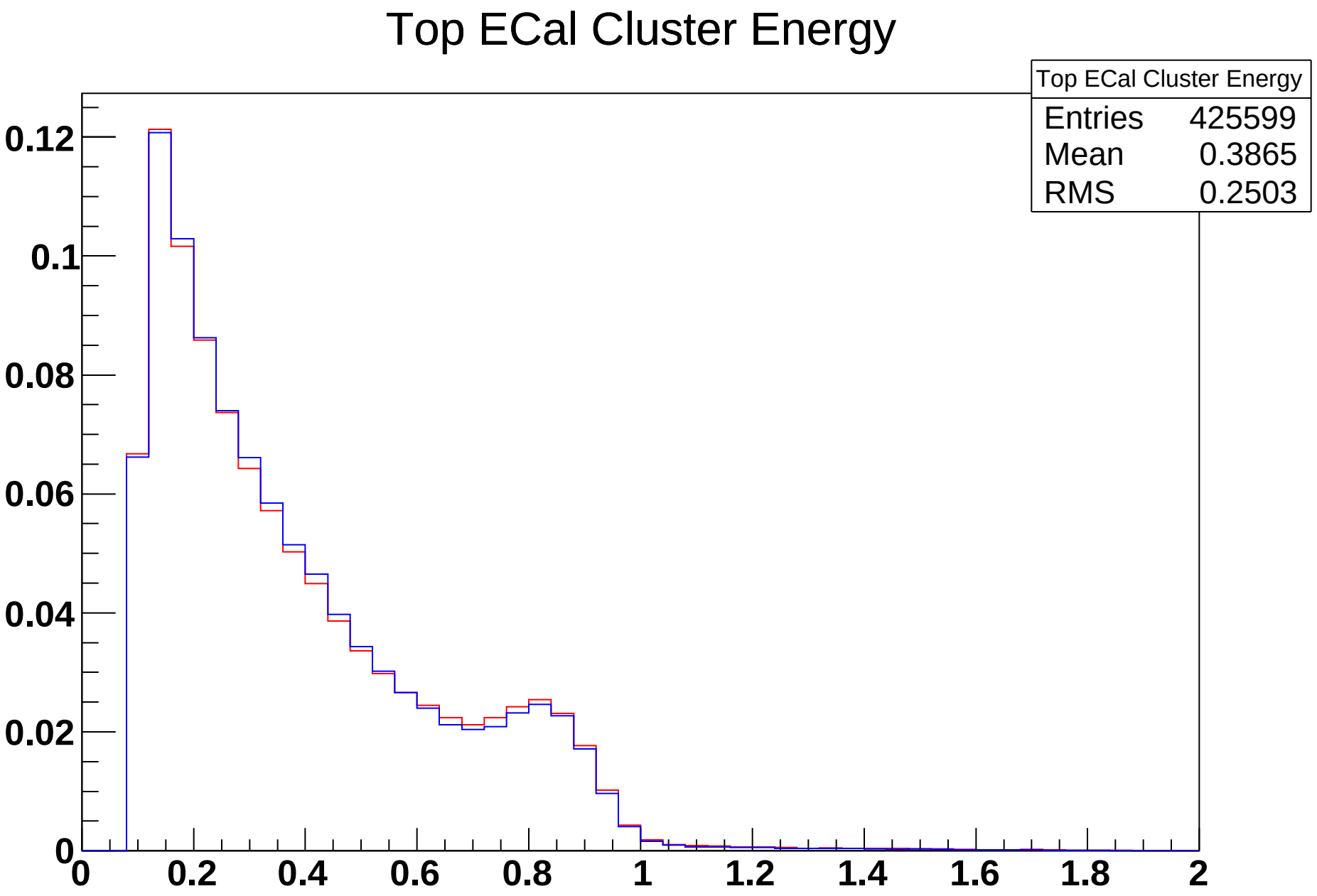

Number of Clusters Top
Number of Clusters Top
Entries 262779
Mean 1.595
RMS 0.9212
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
1
2
3
4
5
6

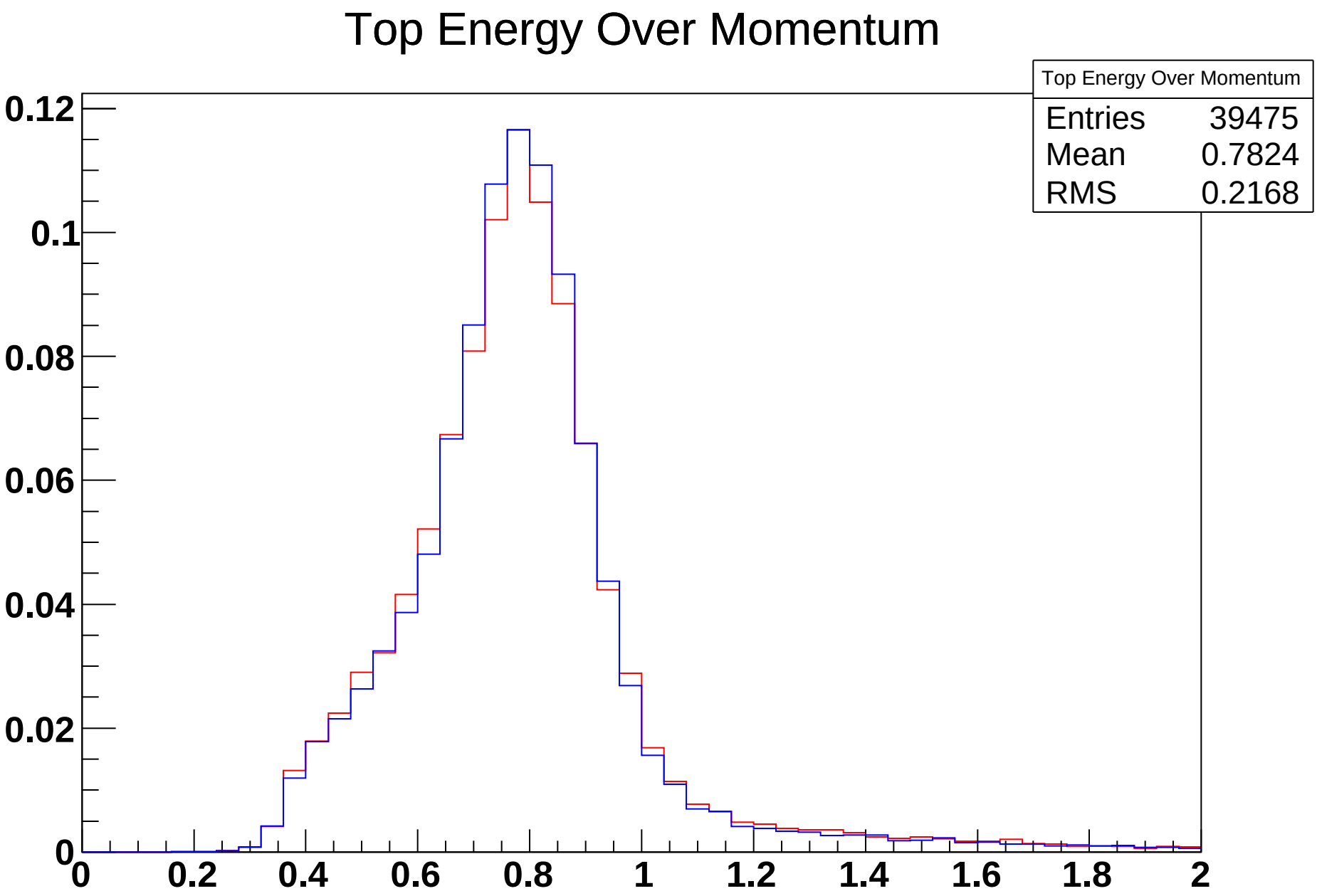
Number of Stereo Hits per layer in Bottom Half

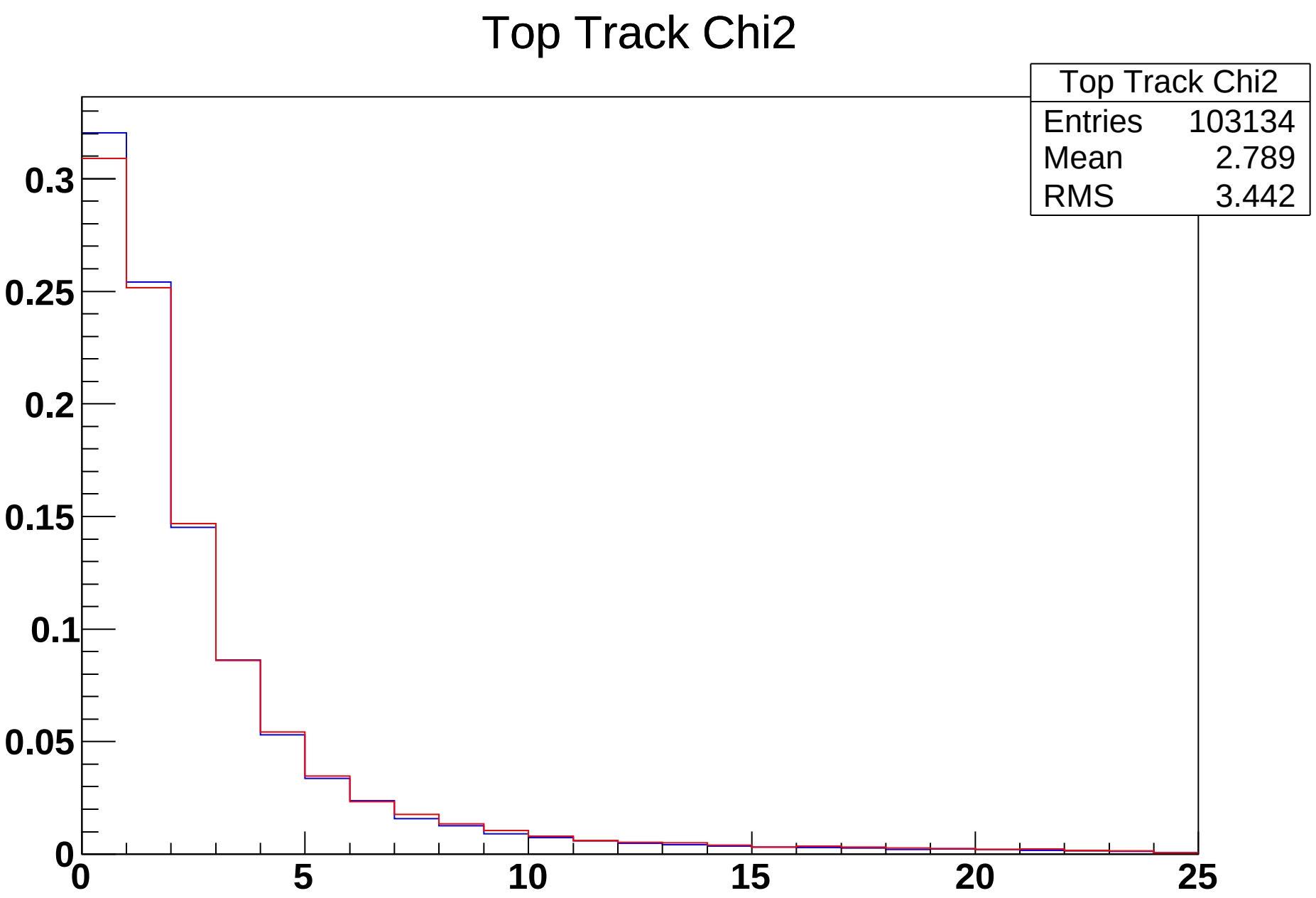


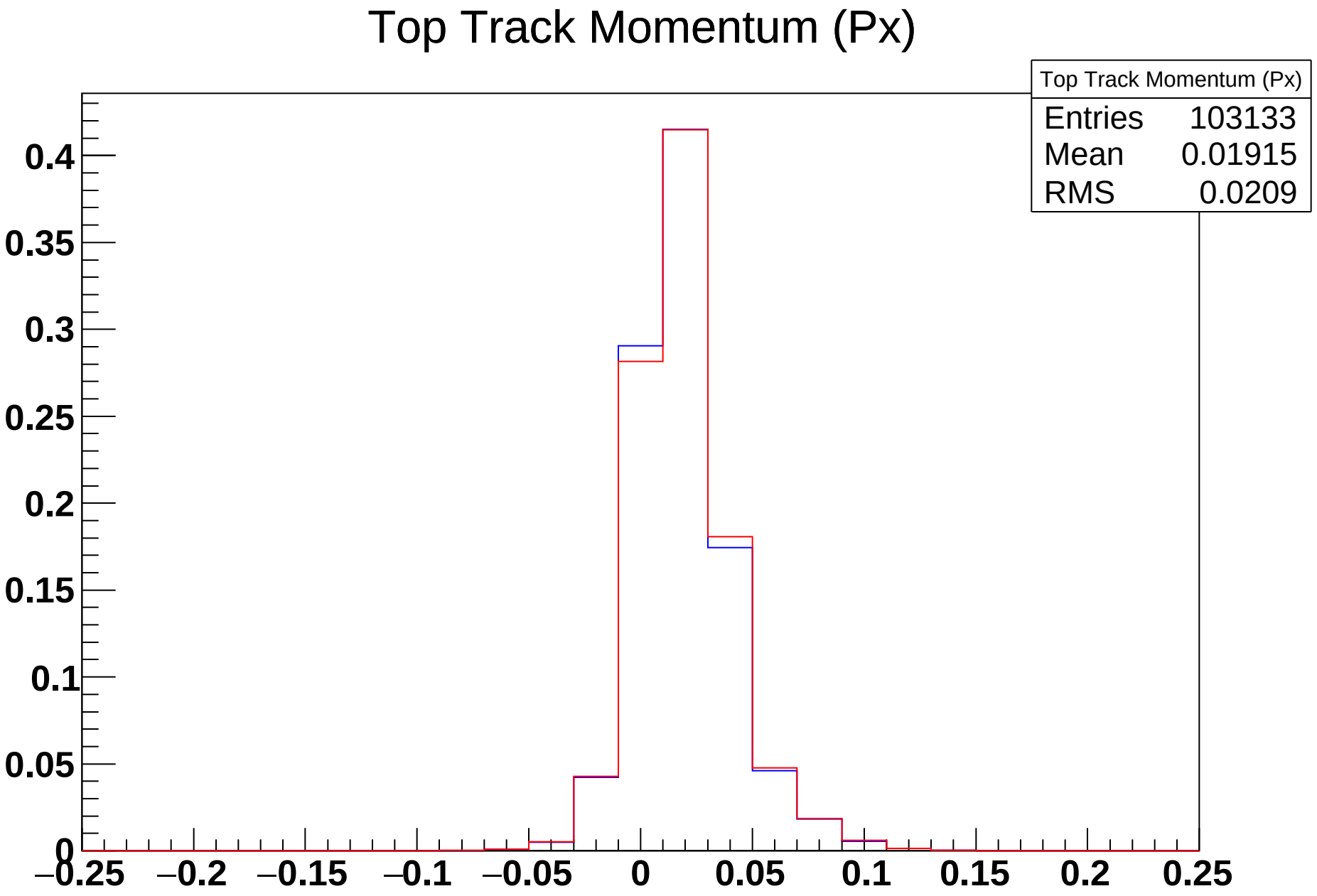
Number of Stereo Hits per layer in Top Half

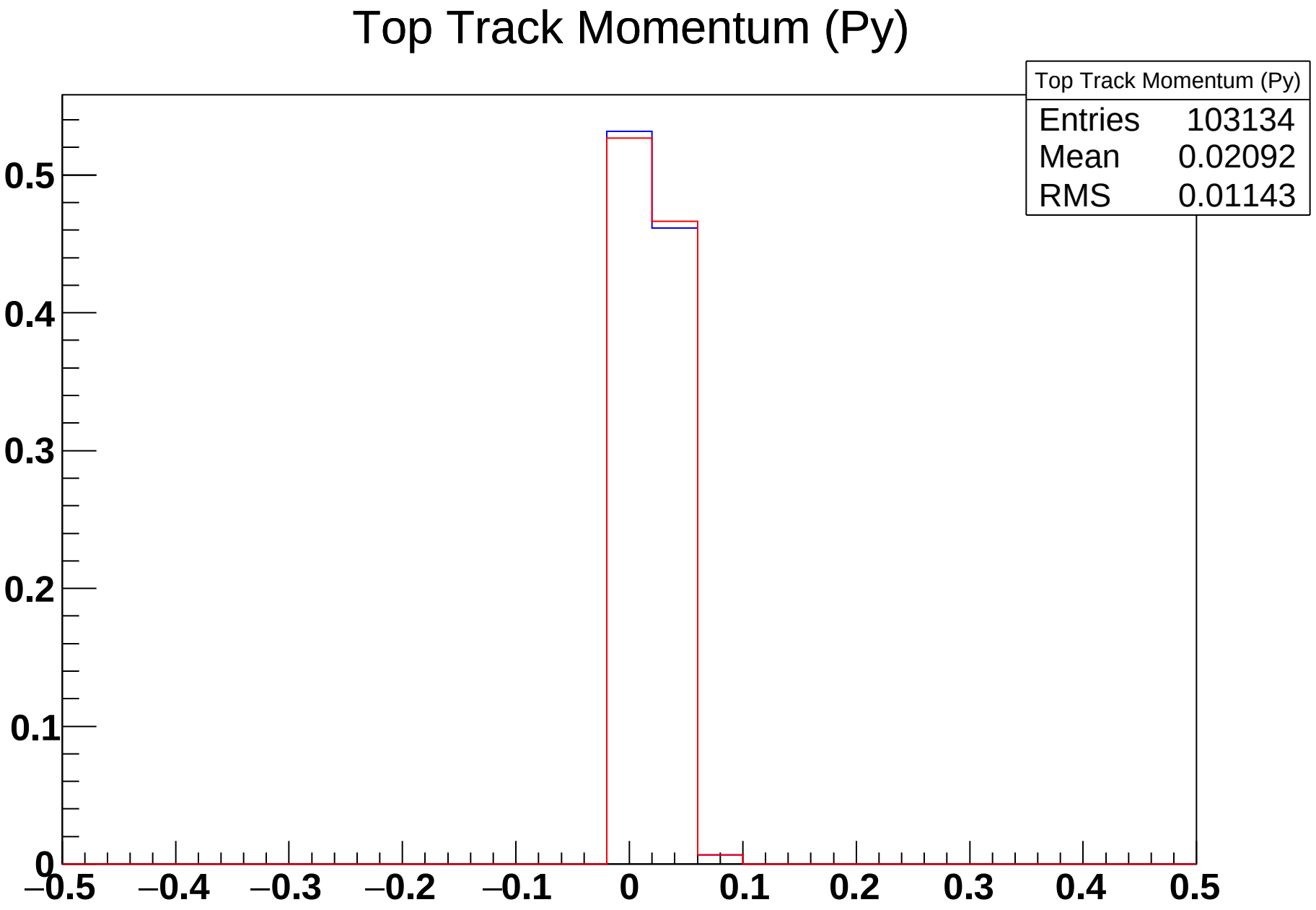


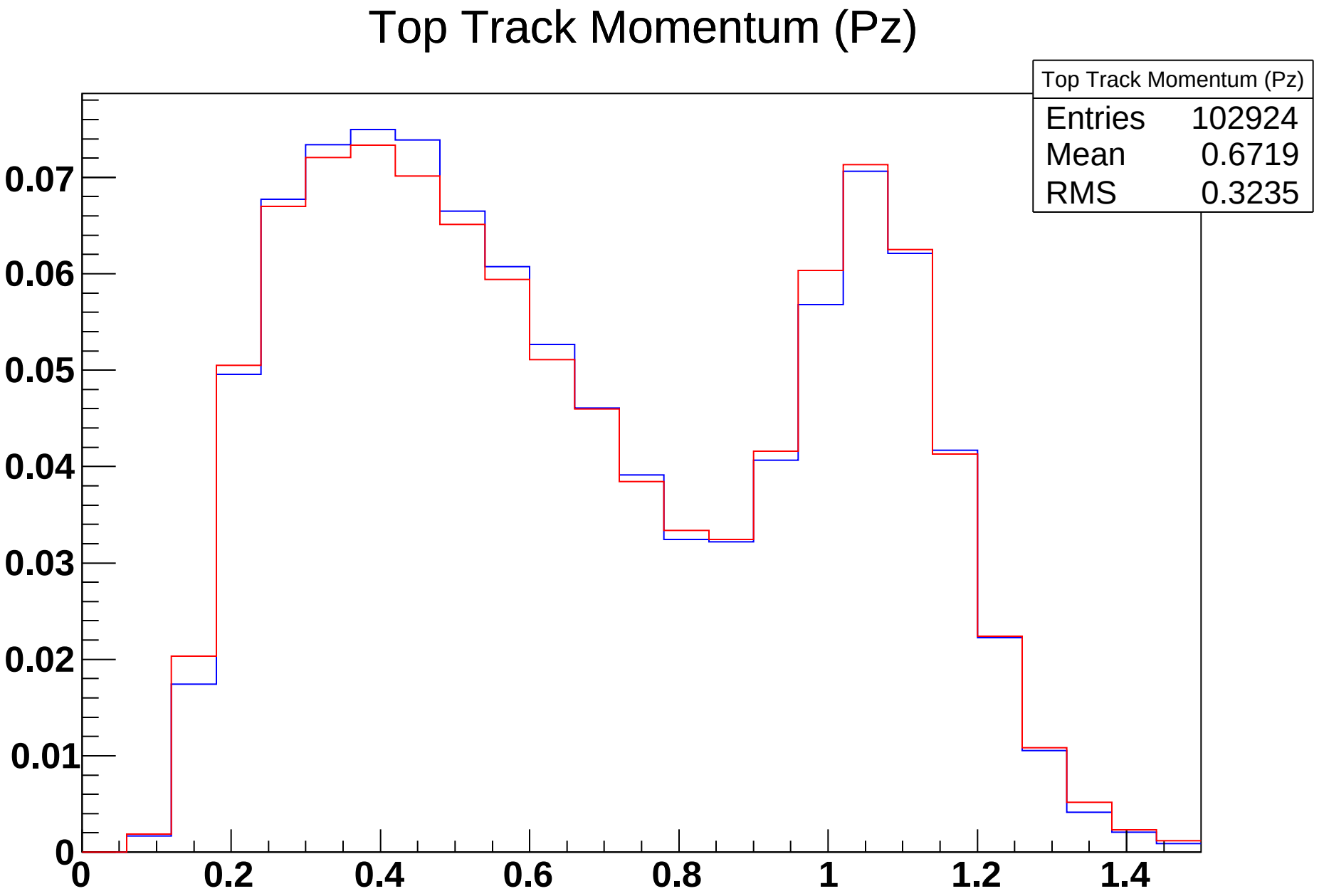

Top ECal Cluster Energy
Top ECal Cluster Energy
Entries 425599
Mean 0.3865
RMS 0.2503
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

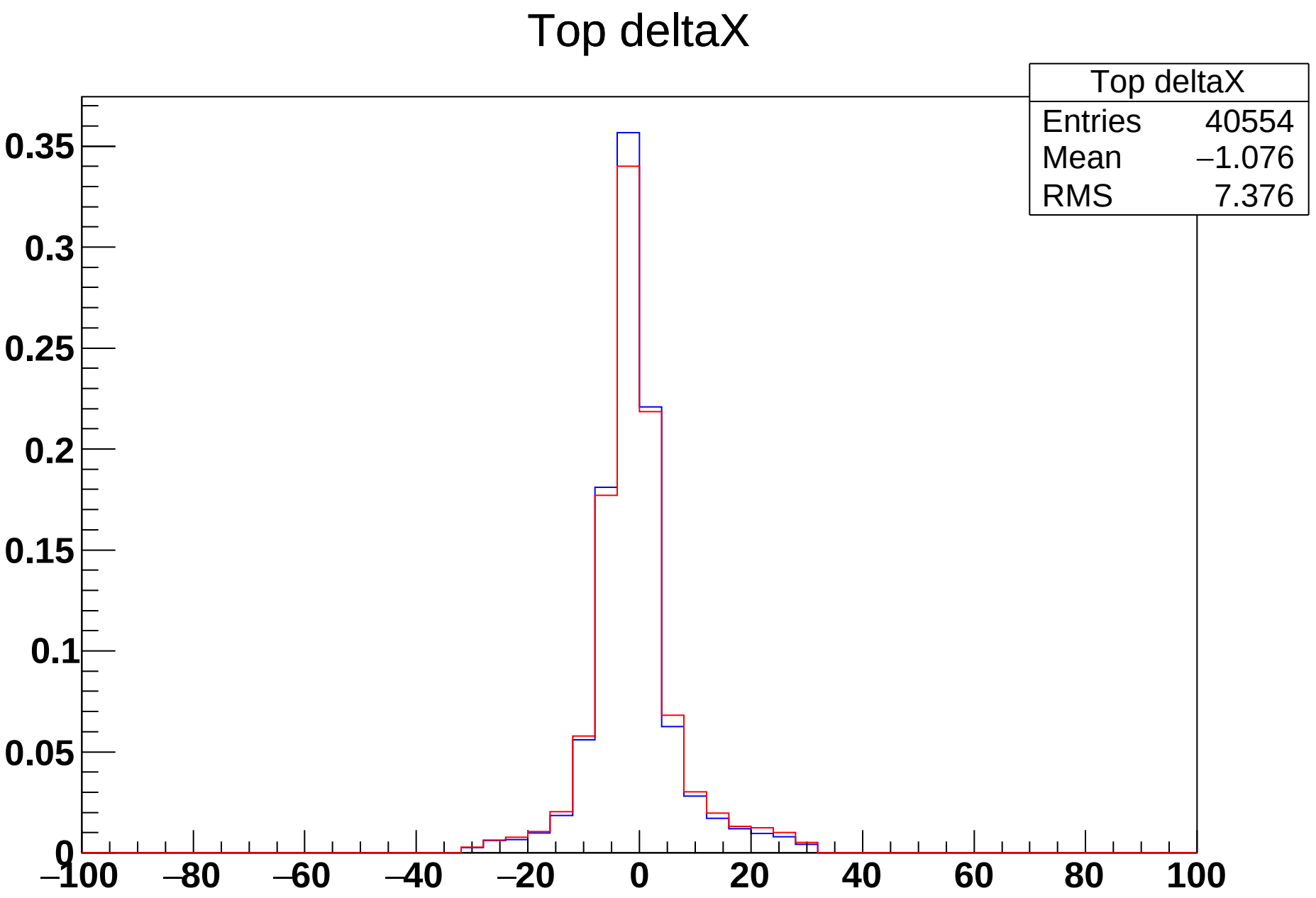

Top Energy Over Momentum
Top Energy Over Momentum
Entries 39475
Mean 0.7824
RMS 0.2168
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

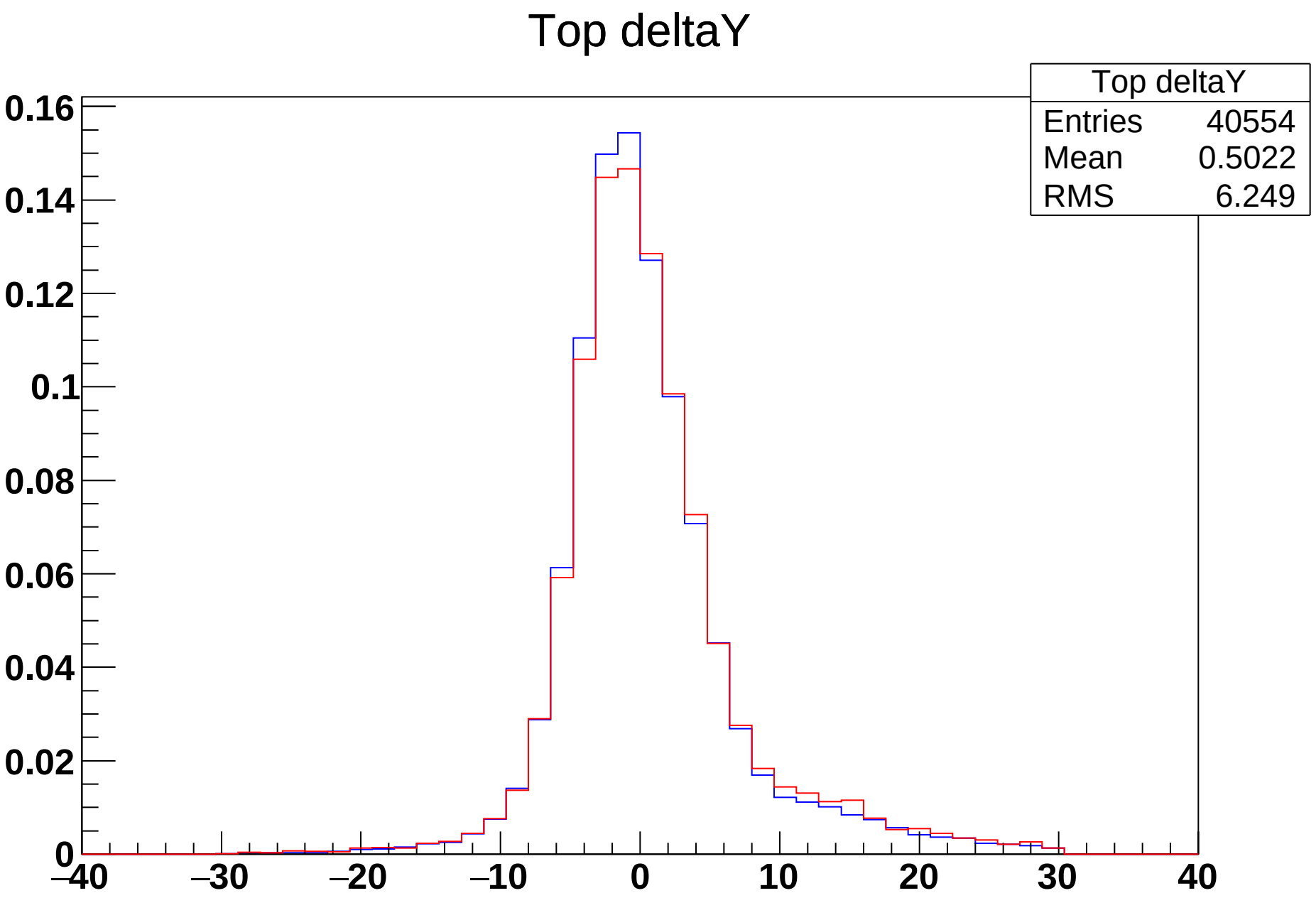

Top Track Chi2
Top Track Chi2
Entries 103134
Mean 2.789
RMS 3.442
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25

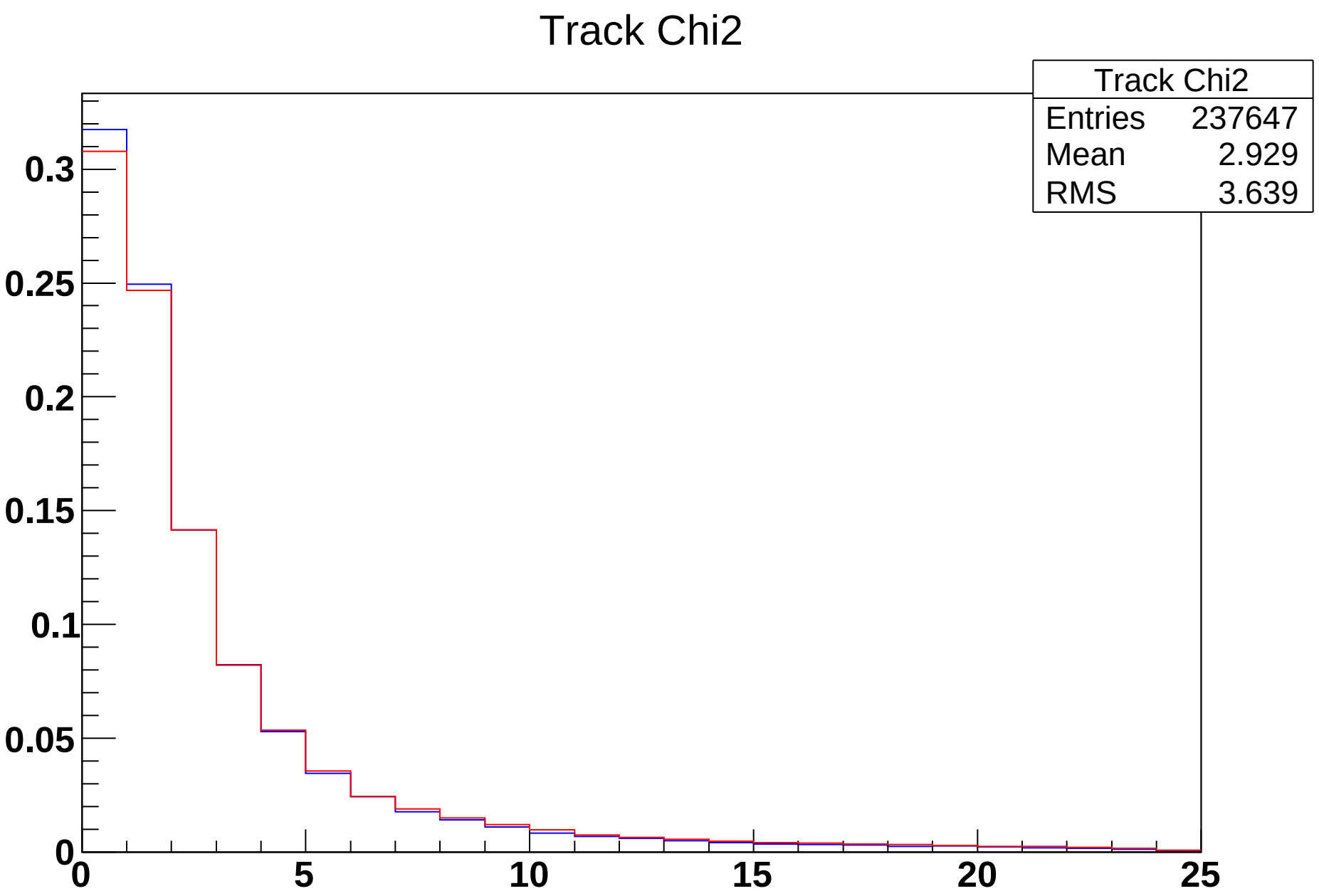

Top Track Momentum (Px)
Top Track Momentum (Px)
Entries 103133
Mean 0.01915
RMS 0.0209
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–0.25
–0.2
–0.15
–0.1
–0.05
0
0.05
0.1
0.15
0.2
0.25

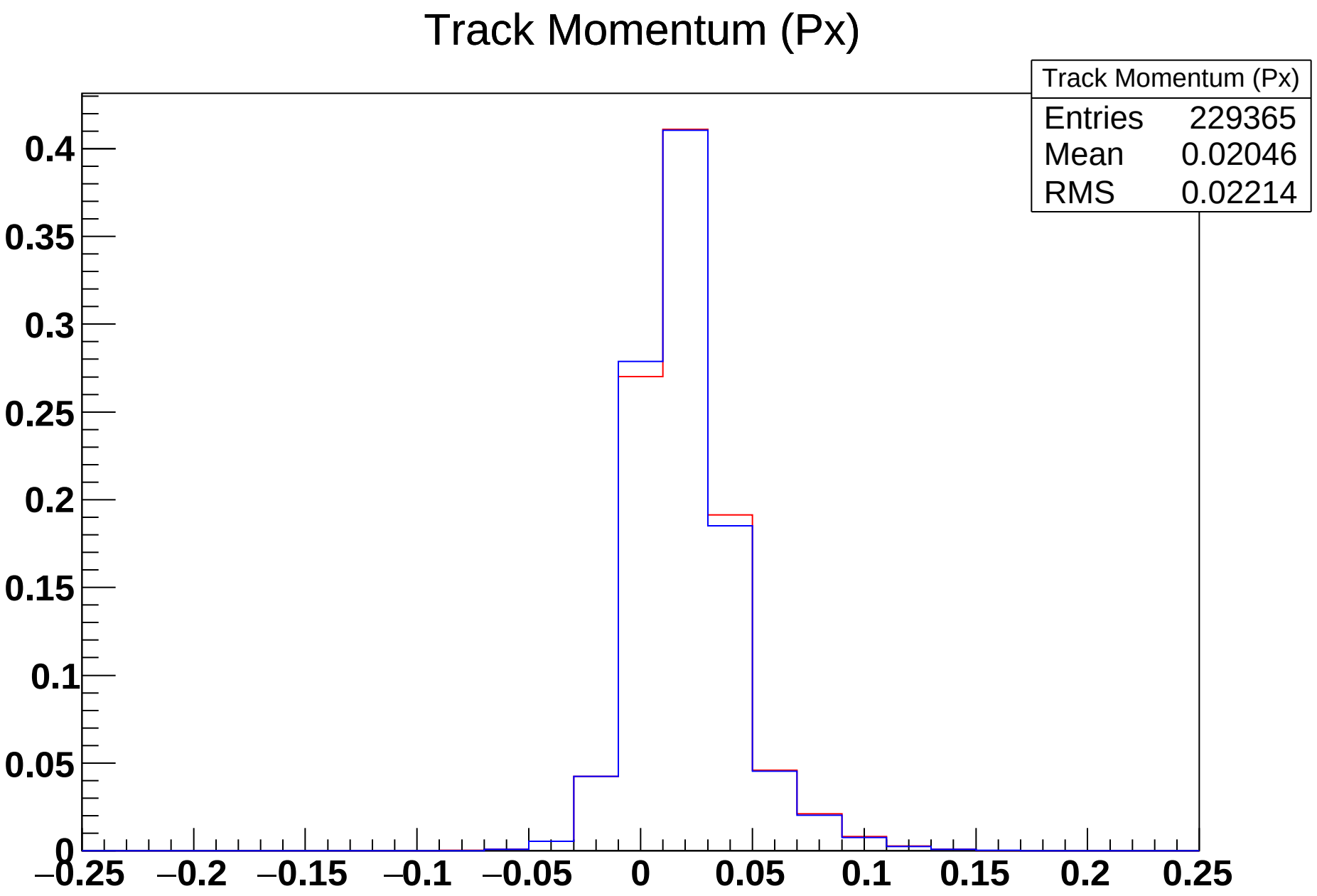

Top Track Momentum (Py)
Top Track Momentum (Py)
Entries 103134
Mean 0.02092
RMS 0.01143
0.5
0.4
0.3
0.2
0.1
0
–0.5
–0.4
–0.3
–0.2
–0.1
0
0.1
0.2
0.3
0.4
0.5

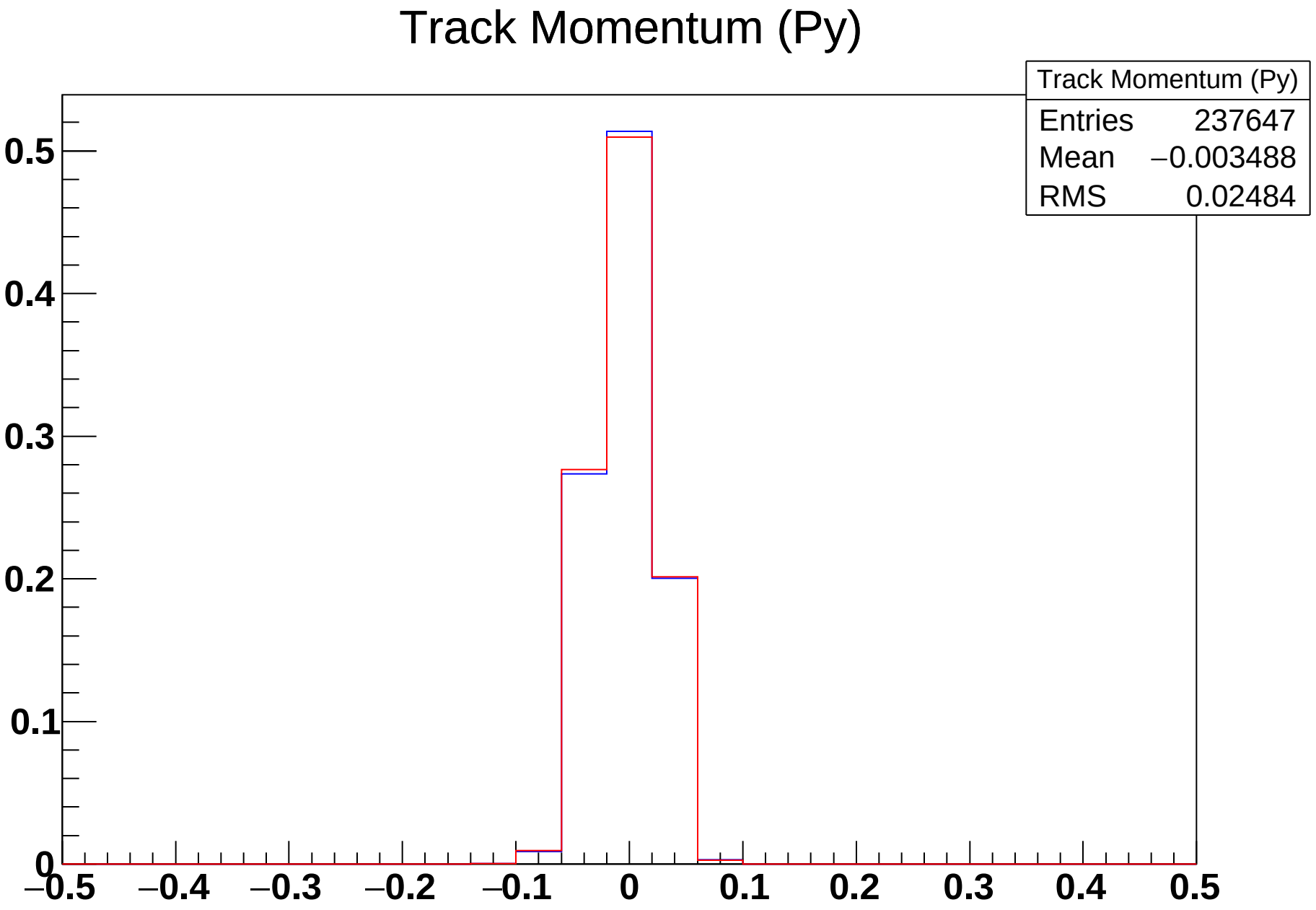

Top Track Momentum (Pz)
Top Track Momentum (Pz)
Entries 102924
Mean 0.6719
RMS 0.3235
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4

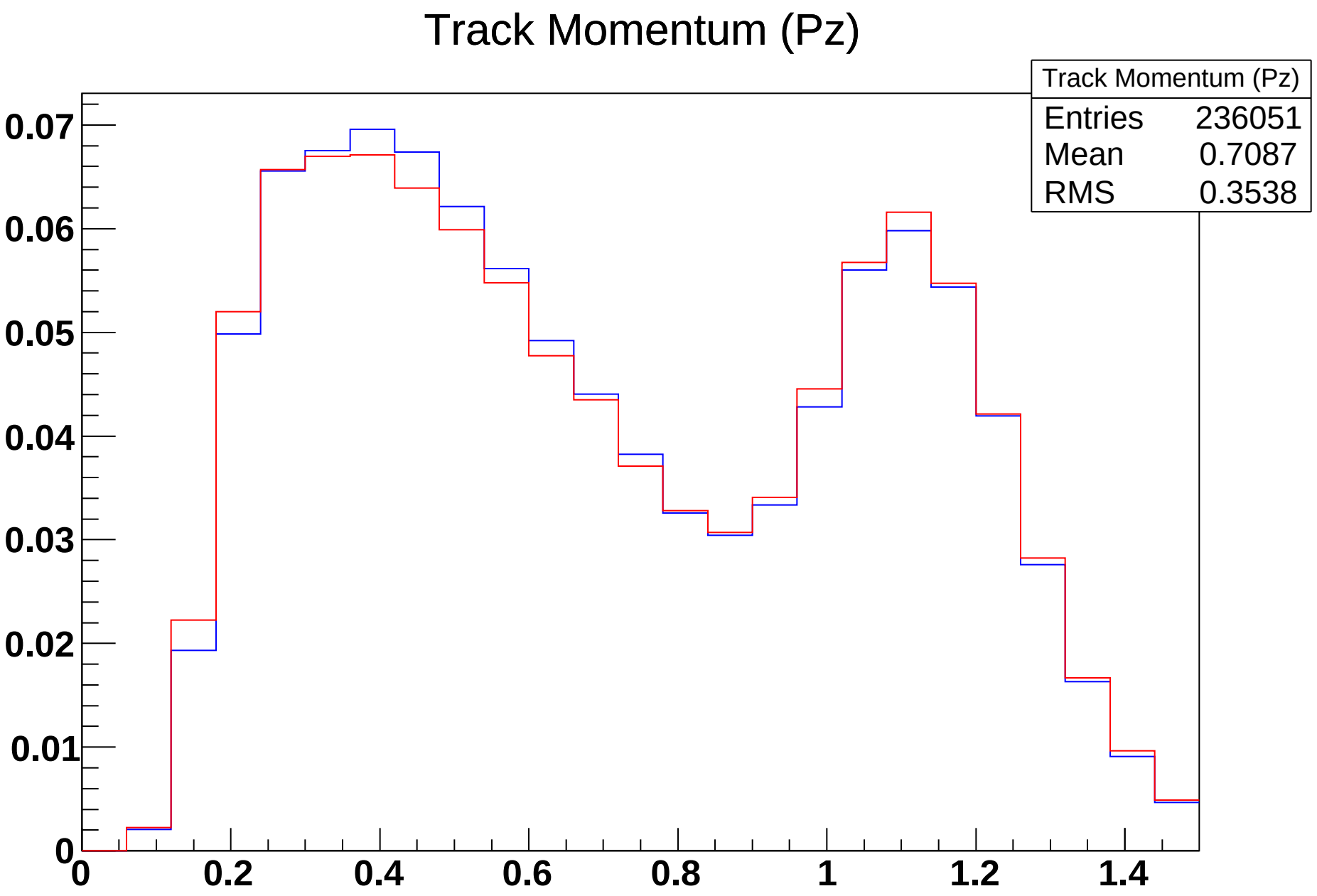

Top deltaX
Top deltaX
Entries 40554
Mean –1.076
RMS 7.376
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

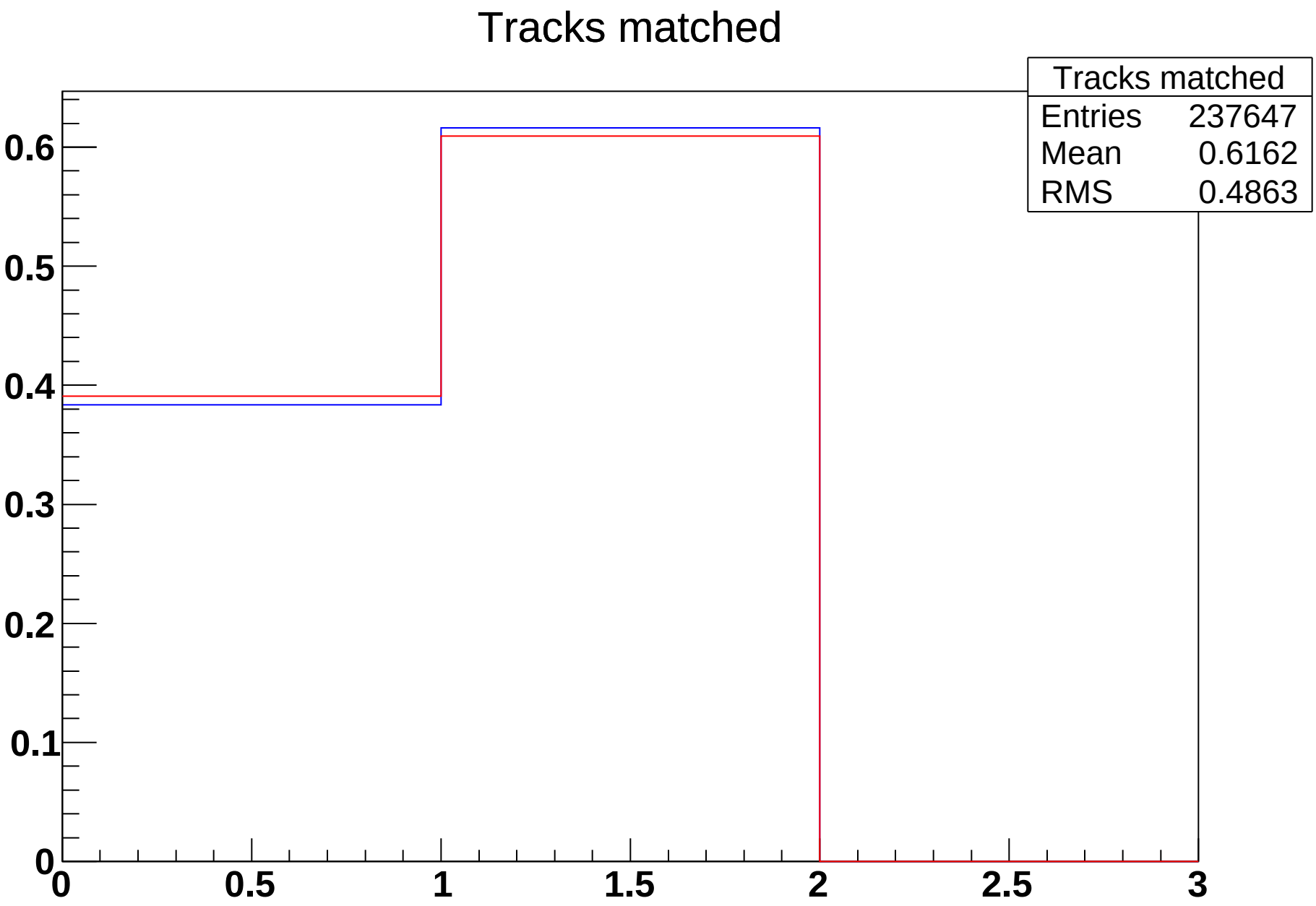

Top deltaY
Top deltaY
Entries 40554
Mean 0.5022
RMS 6.249
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–40
–30
–20
–10
0
10
20
30
40

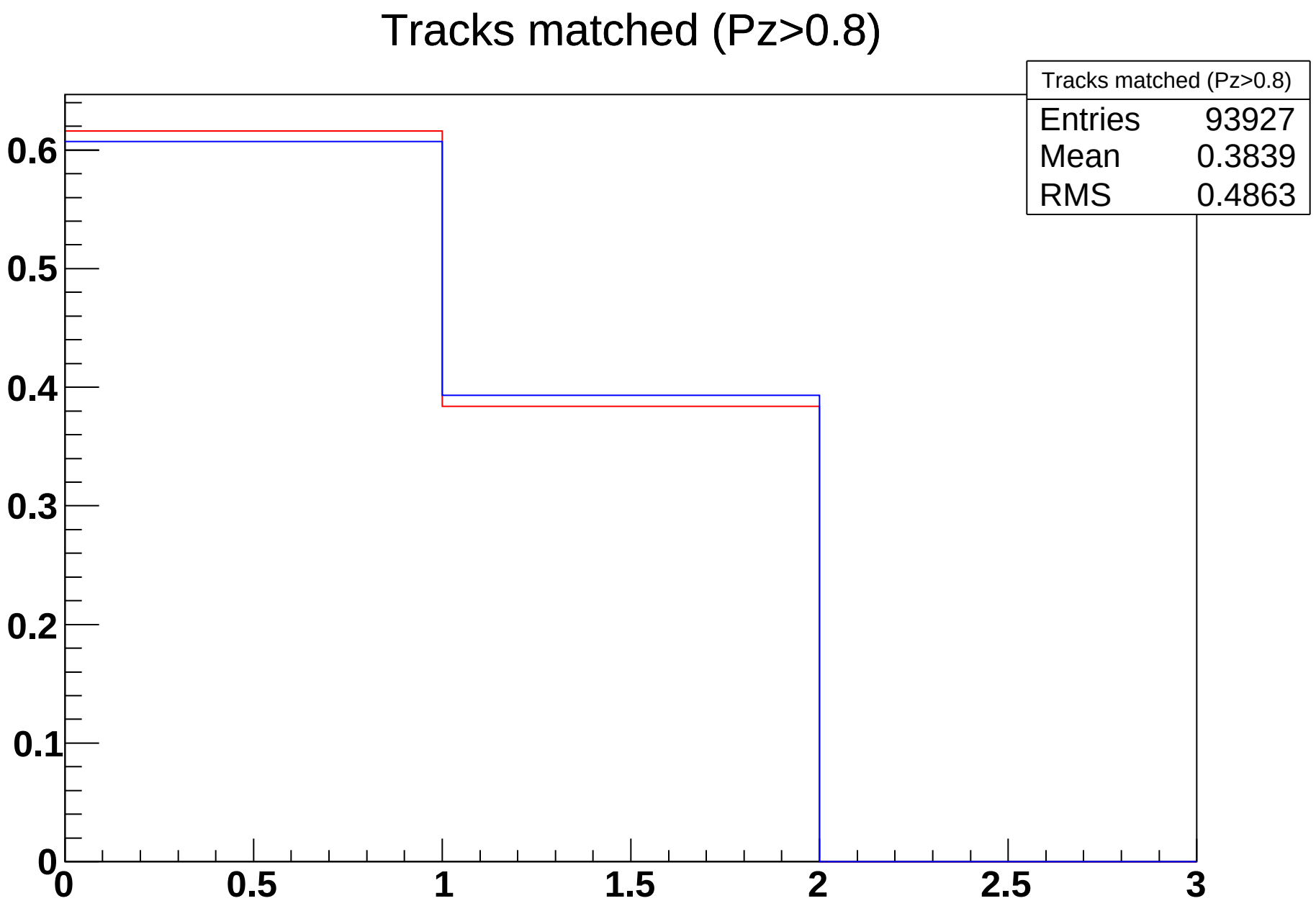

Track Chi2
Track Chi2
Entries 237647
Mean 2.929
RMS 3.639
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25

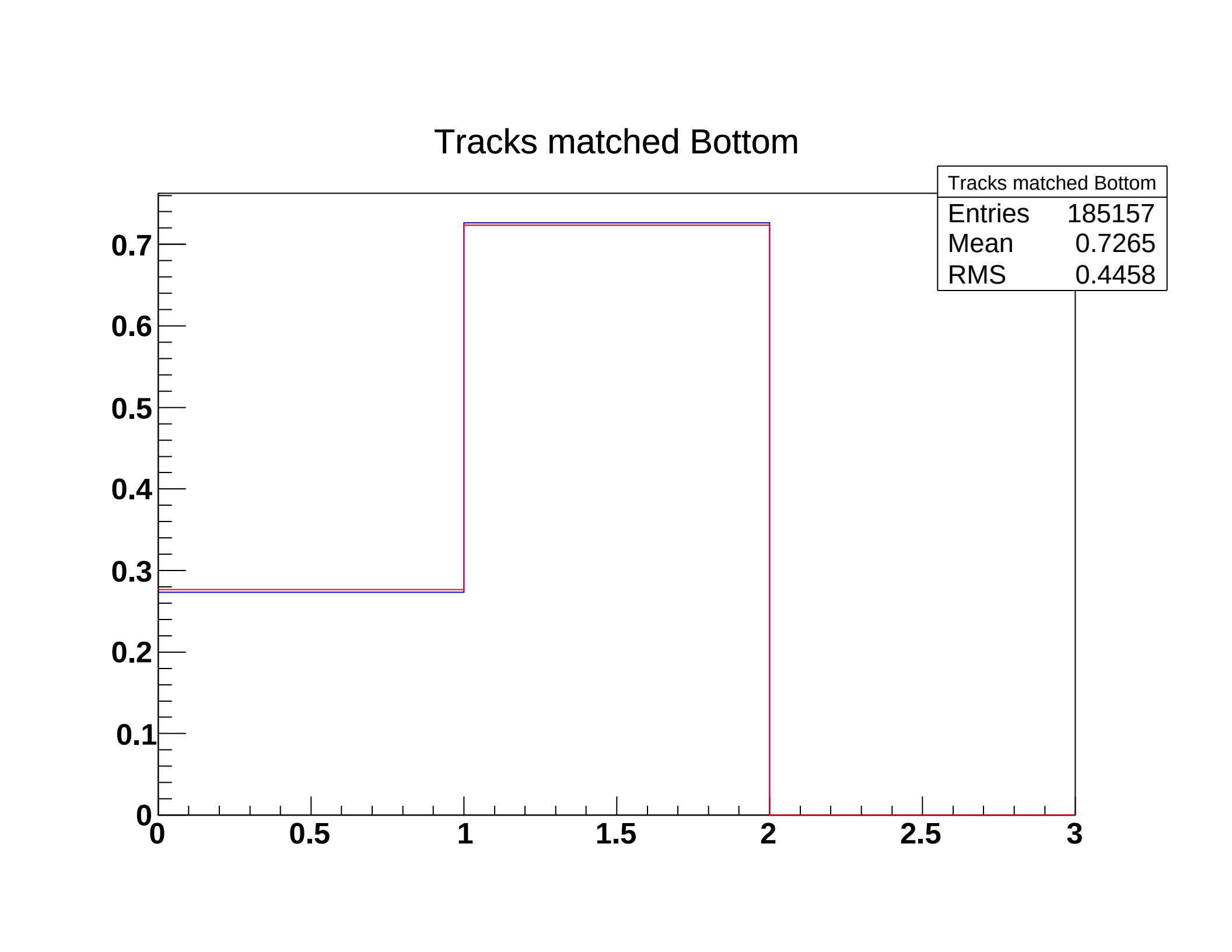

Track Momentum (Px)
Track Momentum (Px)
Entries 229365
Mean 0.02046
RMS 0.02214
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.25
−0.2
−0.15
−0.1
−0.05
0
0.05
0.1
0.15
0.2
0.25

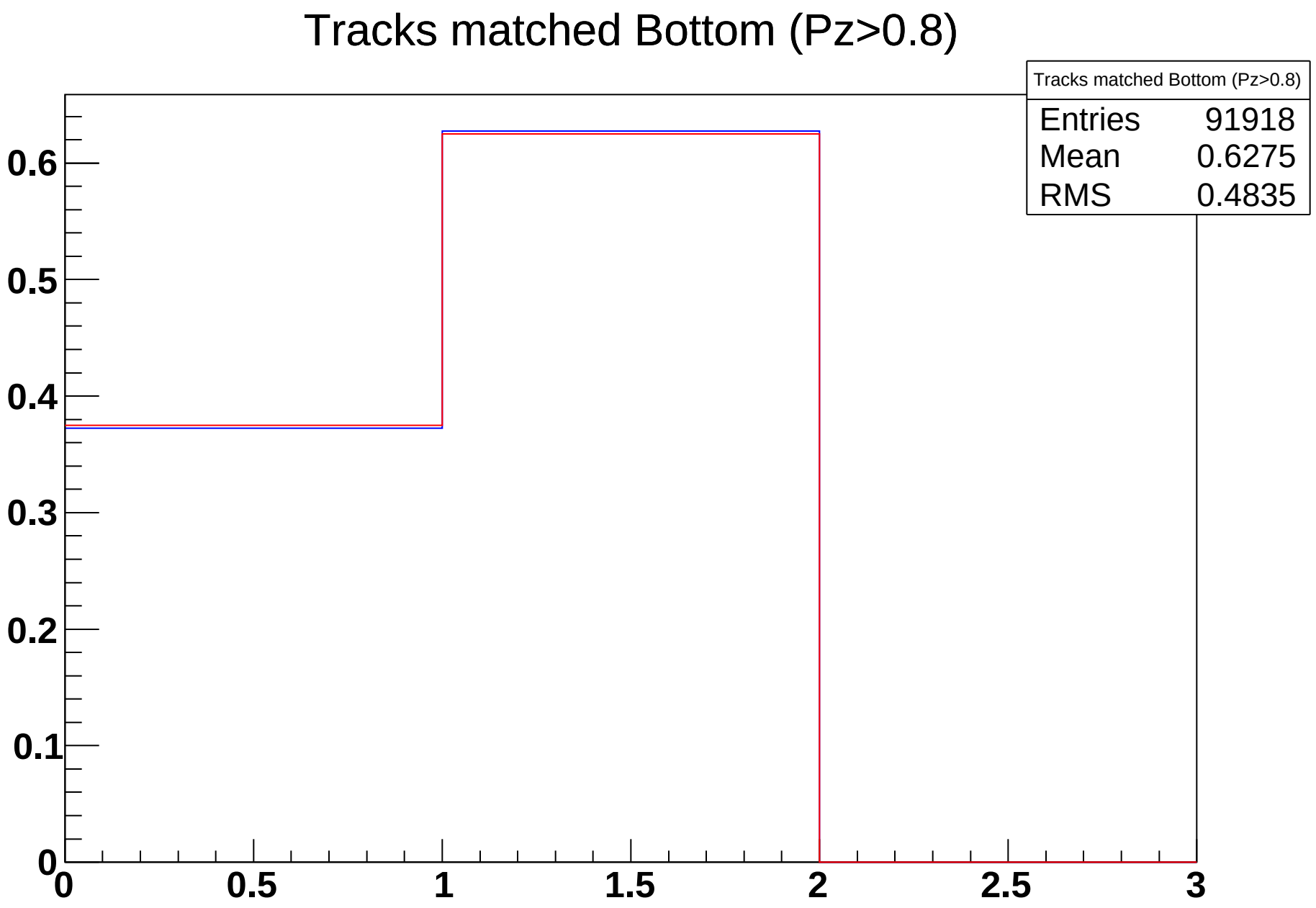

Track Momentum (Py)
Track Momentum (Py)
Entries 237647
Mean −0.003488
RMS 0.02484
0.5
0.4
0.3
0.2
0.1
0
−0.5
−0.4
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4
0.5

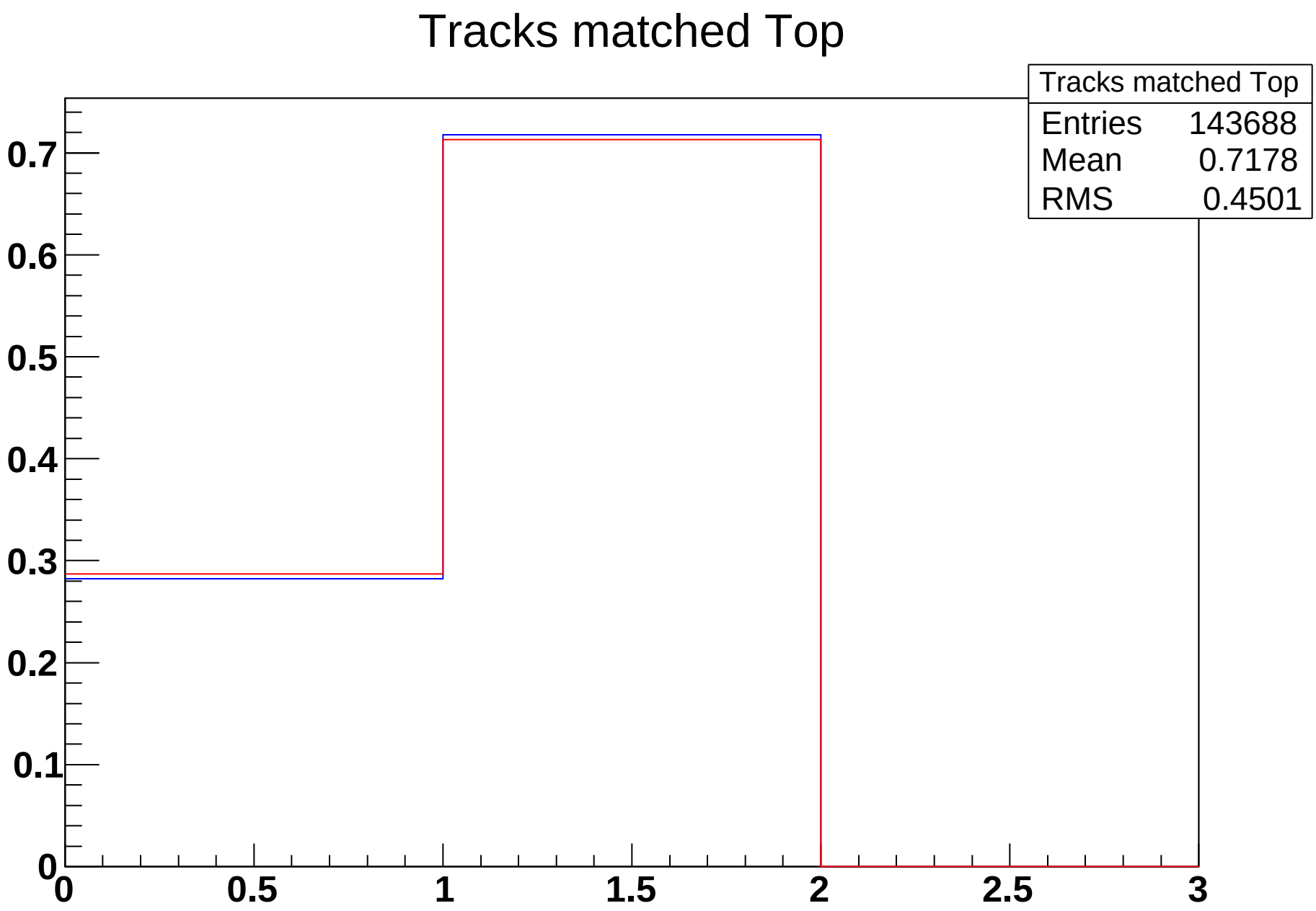

Track Momentum (Pz)
Track Momentum (Pz)
Entries 236051
Mean 0.7087
RMS 0.3538
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4

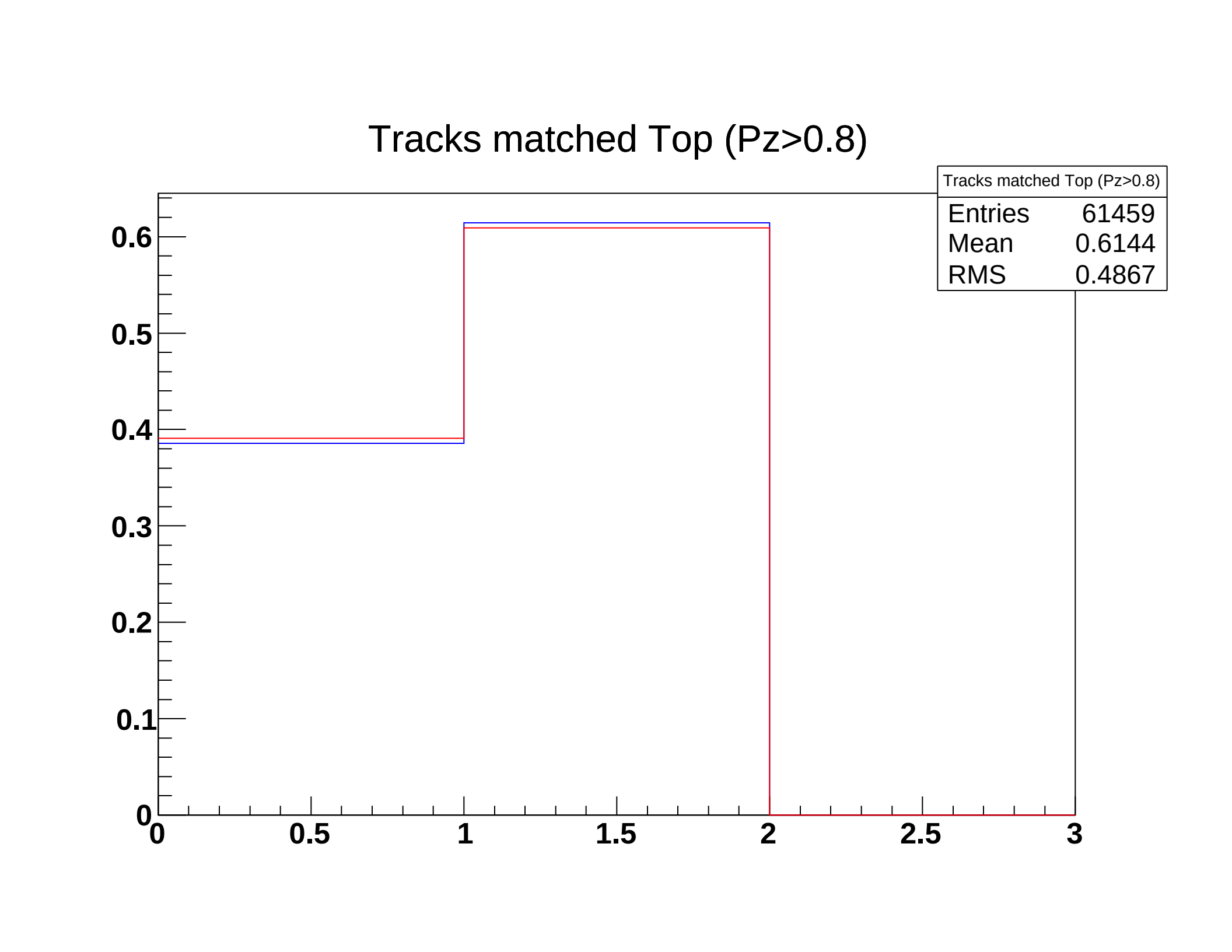

Tracks matched
Tracks matched
Entries 237647
Mean 0.6162
RMS 0.4863
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

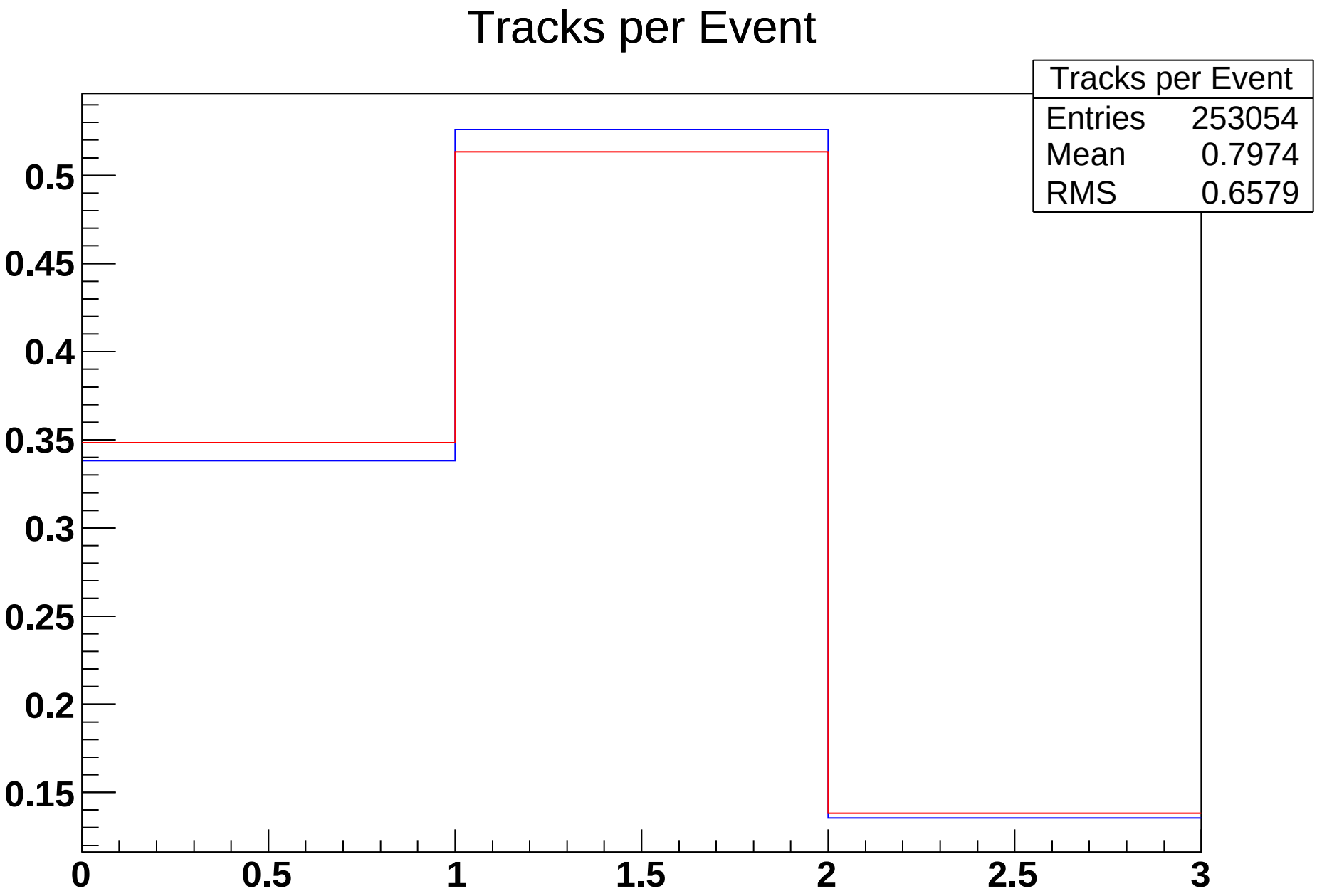

Tracks matched (Pz>0.8)
Tracks matched (Pz>0.8)
Entries 93927
Mean 0.3839
RMS 0.4863
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

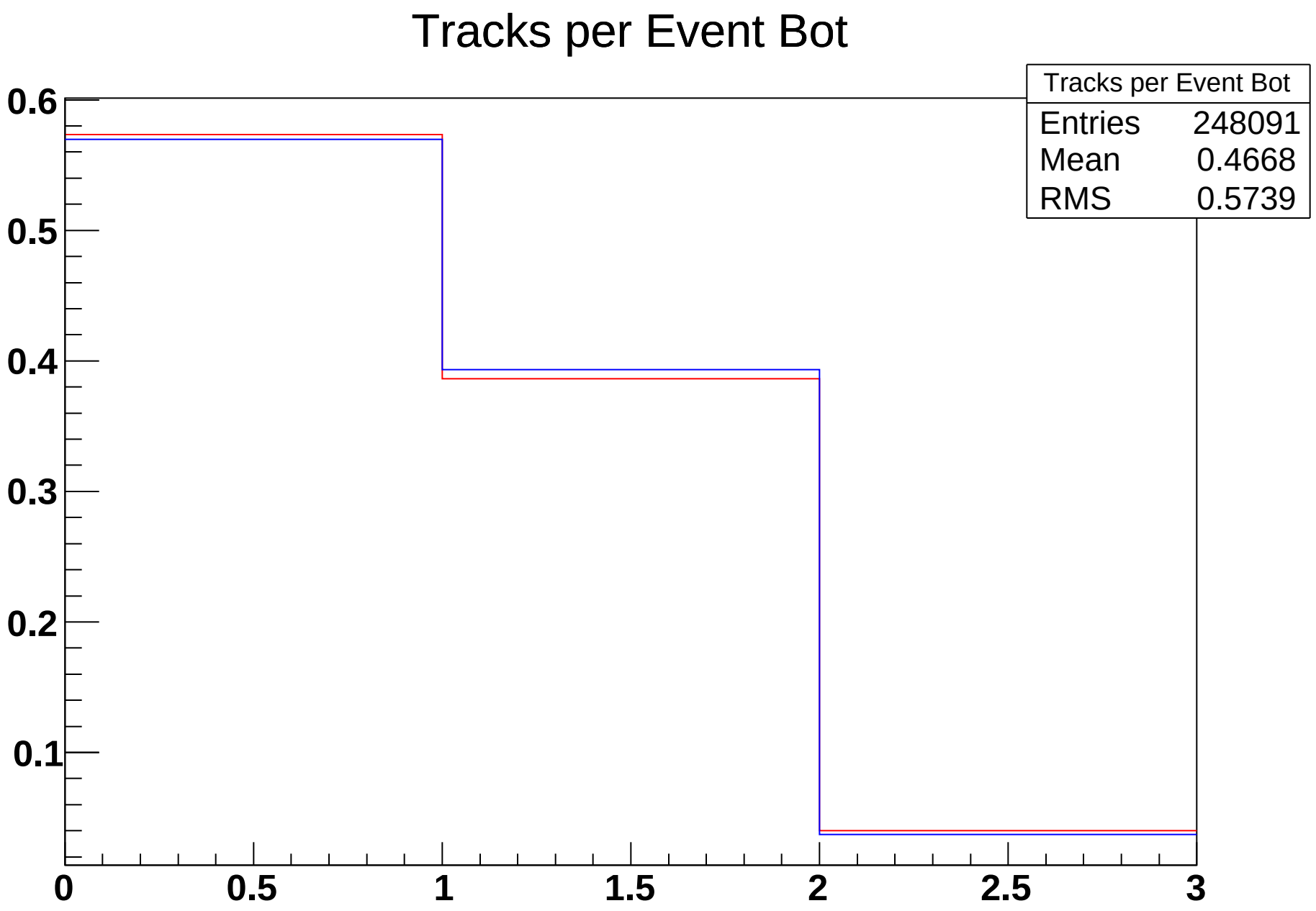

Tracks matched Bottom
Tracks matched Bottom
Entries 185157
Mean 0.7265
RMS 0.4458
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

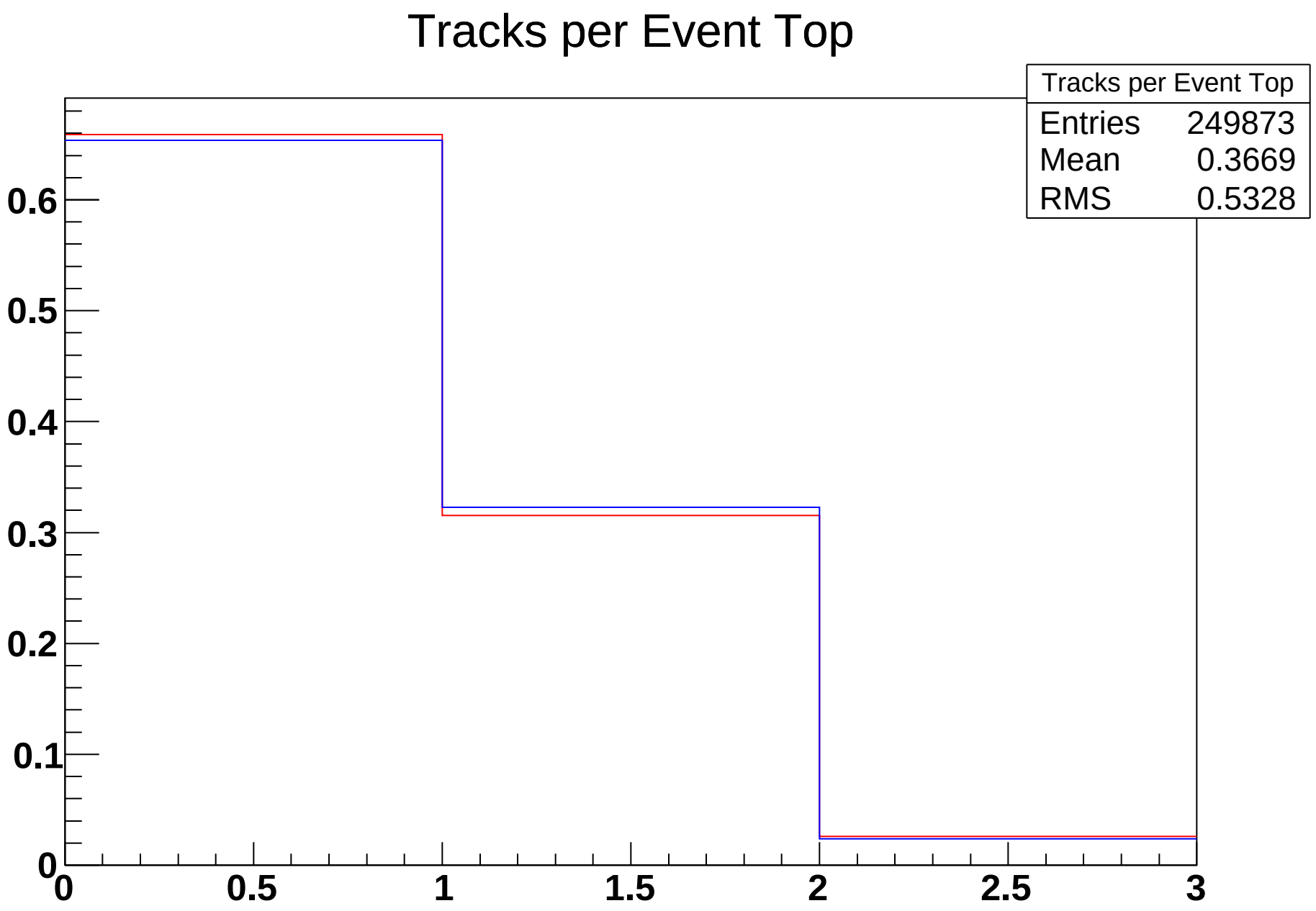

Tracks matched Bottom (Pz>0.8)
Tracks matched Bottom (Pz>0.8)
Entries 91918
Mean 0.6275
RMS 0.4835
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

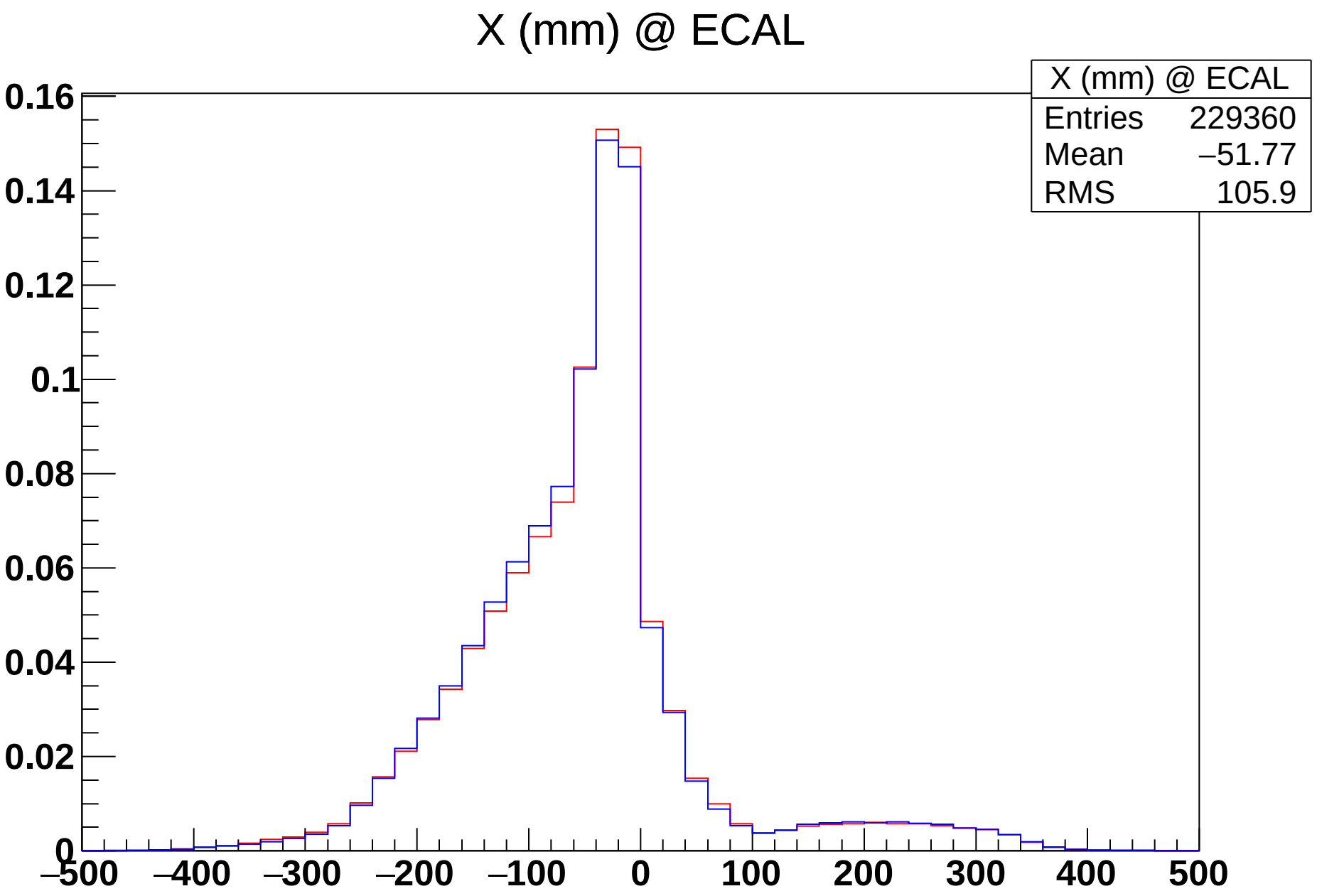

Tracks matched Top
Tracks matched Top
Entries 143688
Mean 0.7178
RMS 0.4501
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

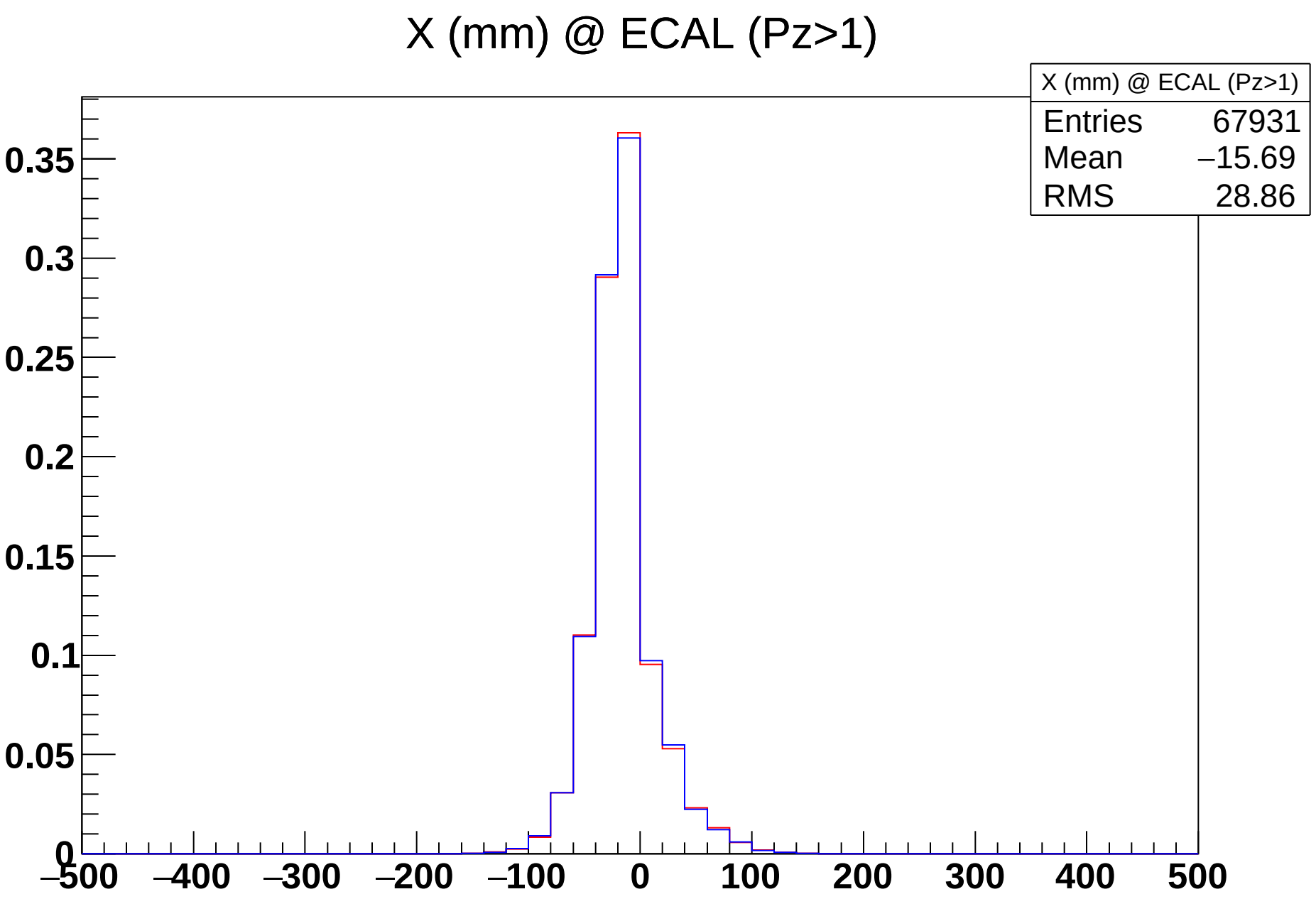

Tracks matched Top (Pz>0.8)
Tracks matched Top (Pz>0.8)
Entries 61459
Mean 0.6144
RMS 0.4867
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

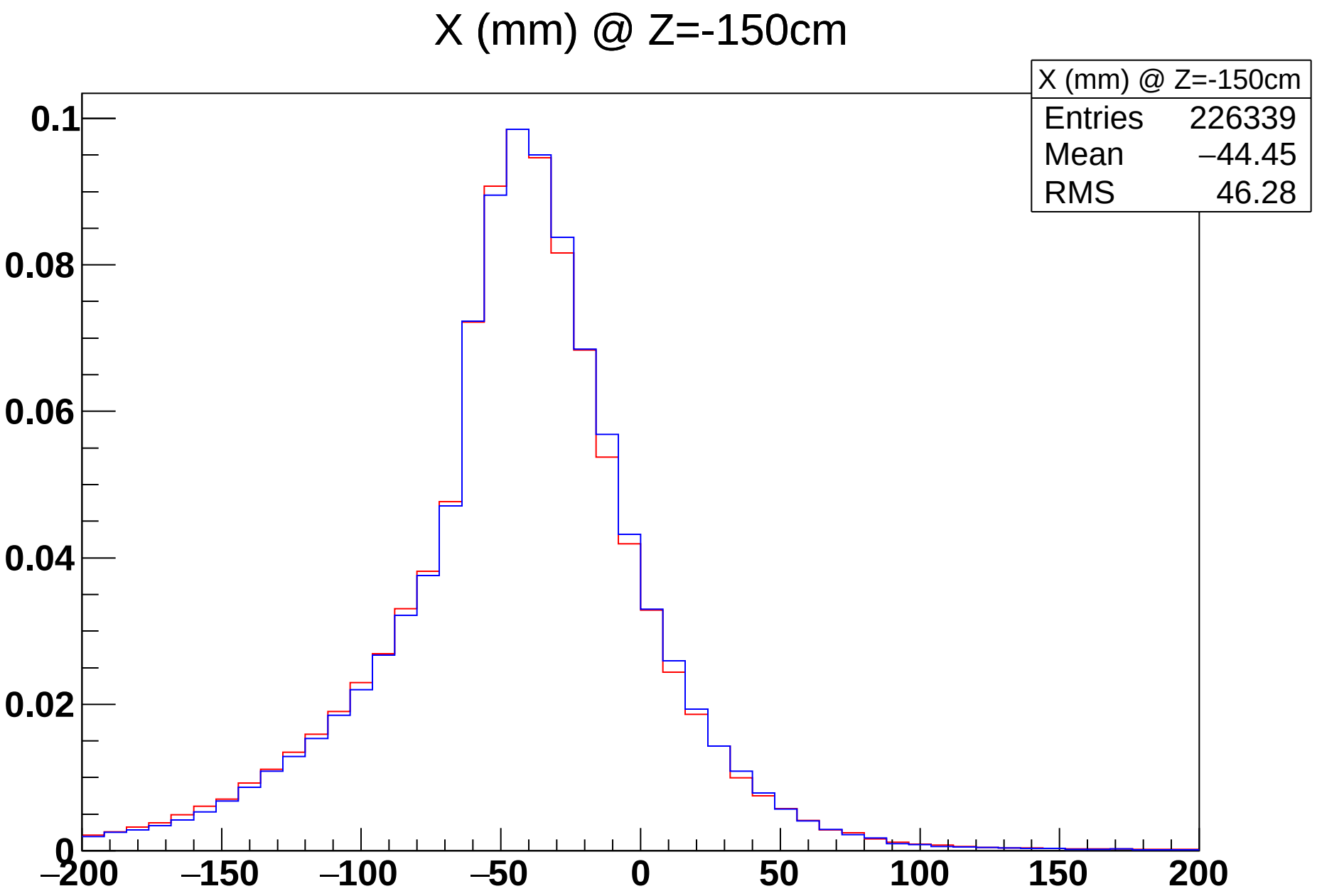

Tracks per Event
Tracks per Event
Entries 253054
Mean 0.7974
RMS 0.6579
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0
0.5
1
1.5
2
2.5
3

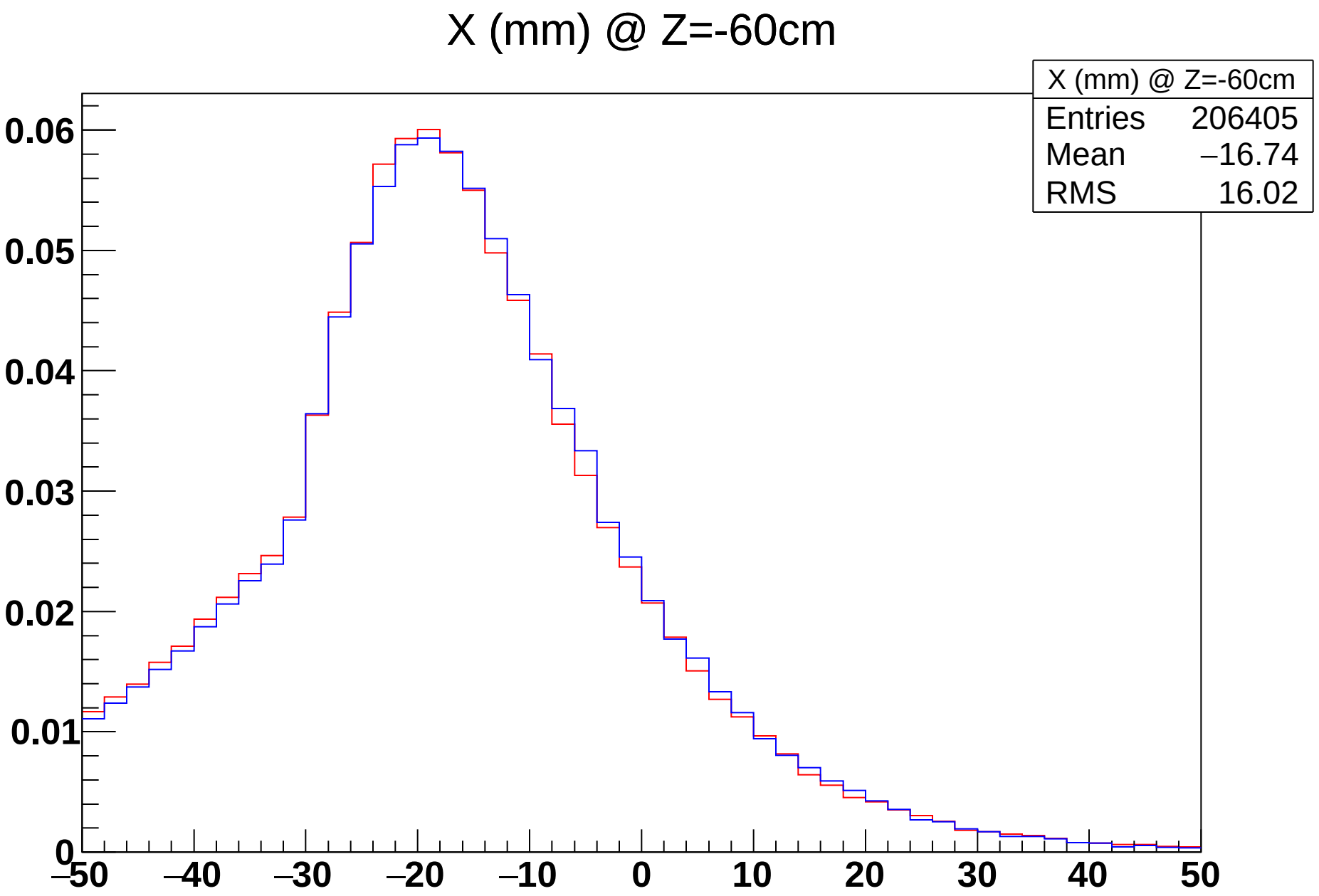

Tracks per Event Bot
Tracks per Event Bot
Entries 248091
Mean 0.4668
RMS 0.5739
0.6
0.5
0.4
0.3
0.2
0.1
0
0.5
1
1.5
2
2.5
3

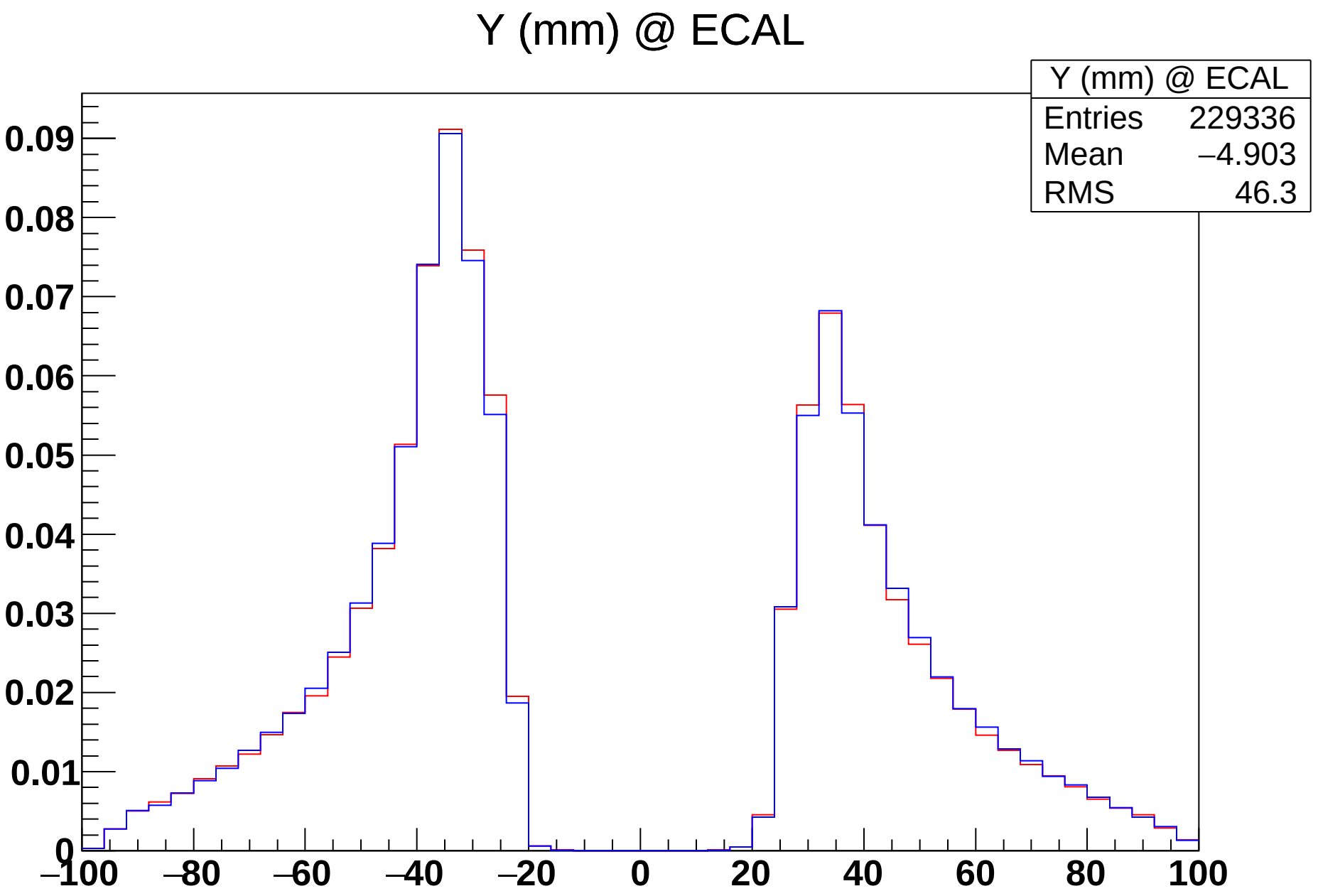

Tracks per Event Top
Tracks per Event Top
Entries 249873
Mean 0.3669
RMS 0.5328
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

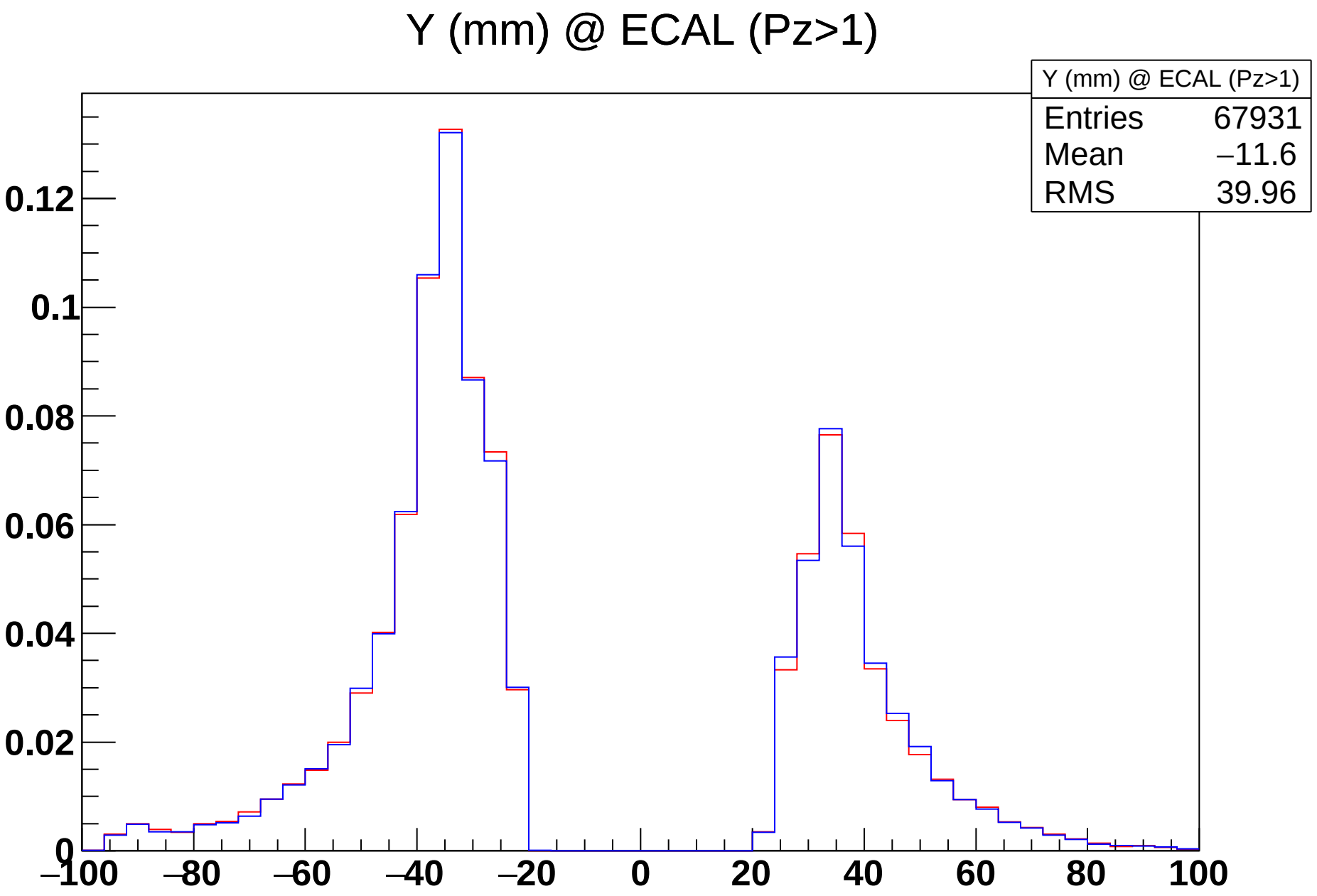

X (mm) @ ECAL
X (mm) @ ECAL
Entries 229360
Mean –51.77
RMS 105.9
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–500
–400
–300
–200
–100
0
100
200
300
400
500

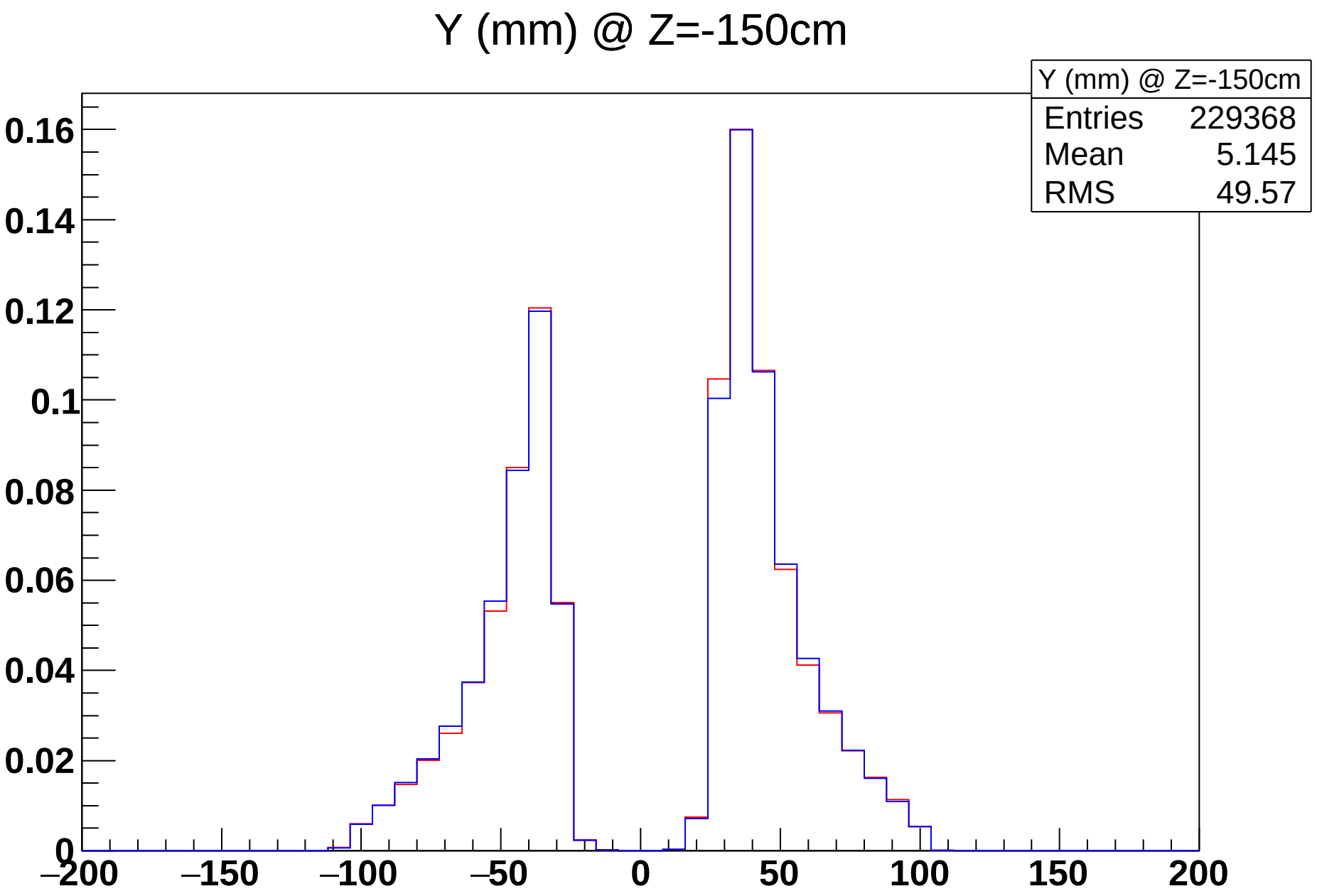

X (mm) @ ECAL (Pz>1)
X (mm) @ ECAL (Pz>1)
Entries 67931
Mean –15.69
RMS 28.86
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–500
–400
–300
–200
–100
0
100
200
300
400
500

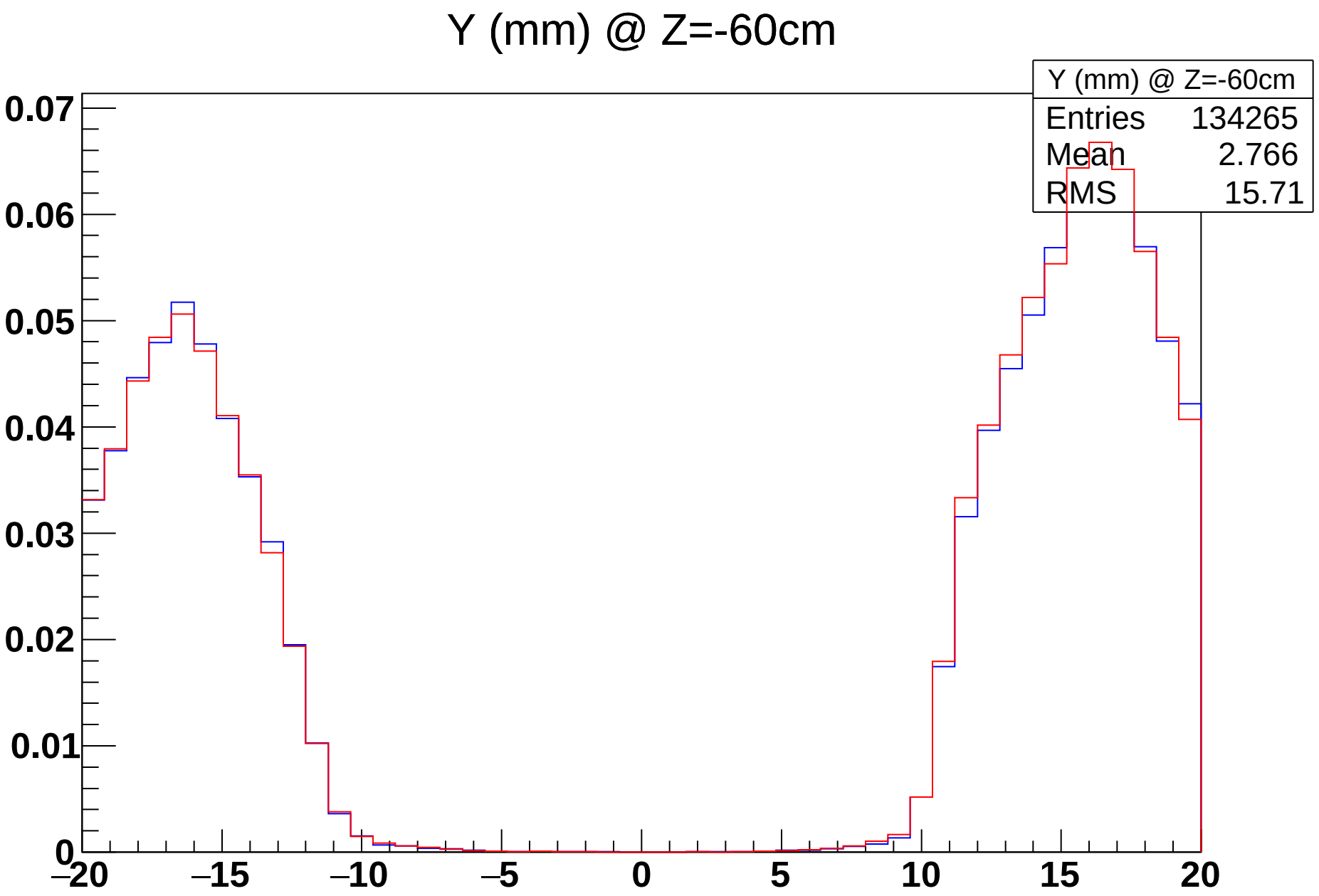

X (mm) @ Z=-150cm
X (mm) @ Z=-150cm
Entries 226339
Mean –44.45
RMS 46.28
0.1
0.08
0.06
0.04
0.02
0
–200
–150
–100
–50
0
50
100
150
200

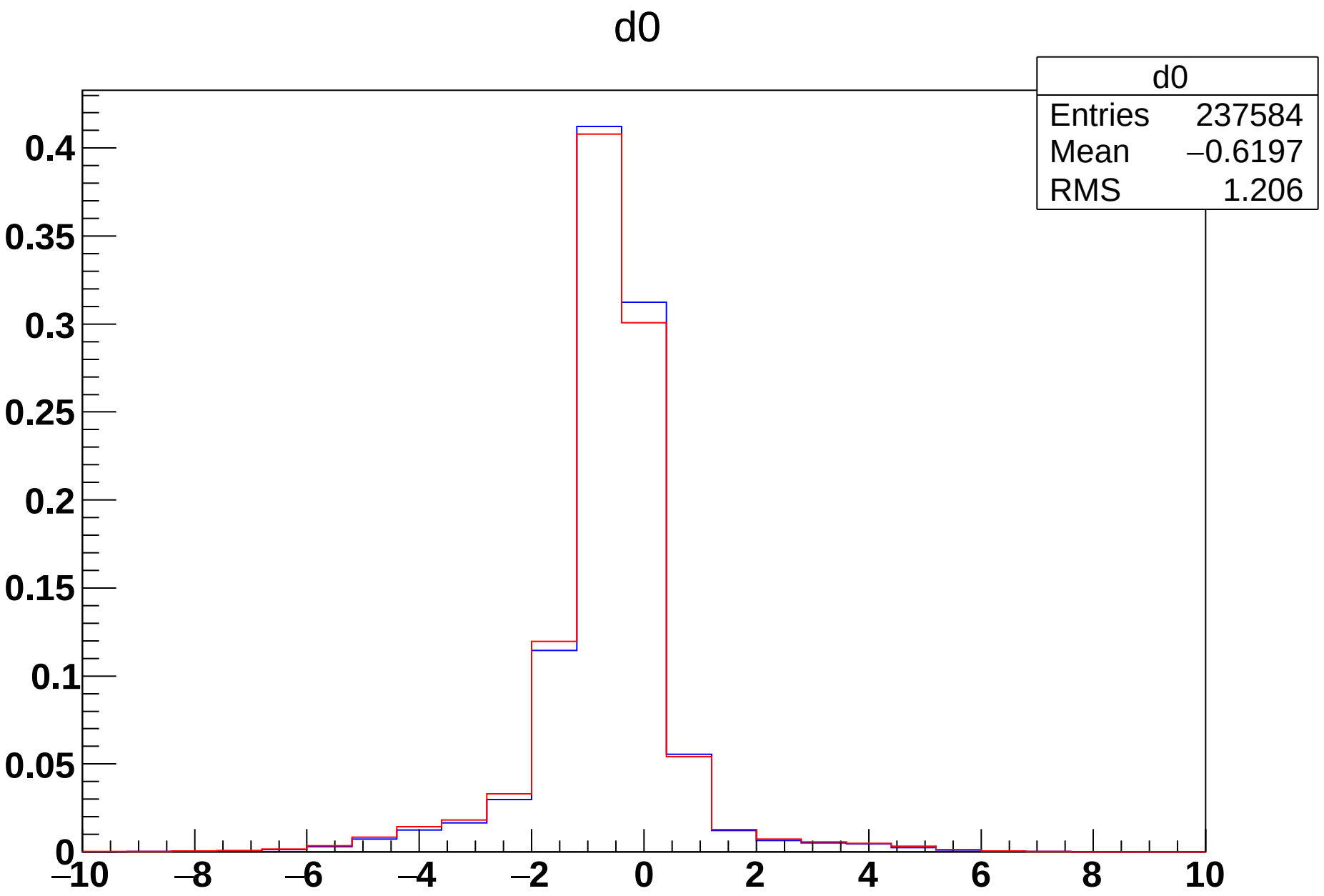

X (mm) @ Z=-60cm
X (mm) @ Z=-60cm
Entries 206405
Mean −16.74
RMS 16.02
0.06
0.05
0.04
0.03
0.02
0.01
0
−50
−40
−30
−20
−10
0
10
20
30
40
50

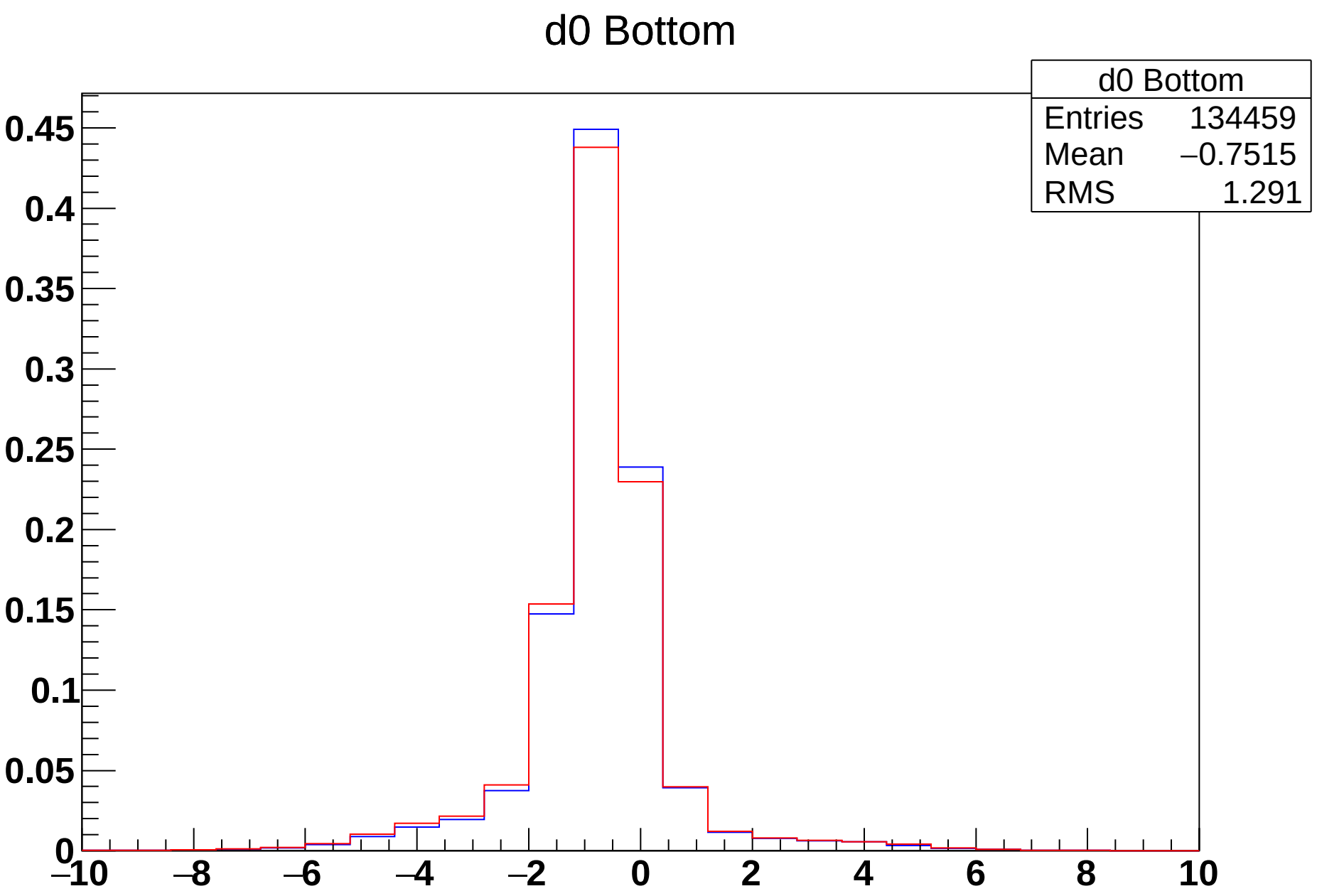

Y (mm) @ ECAL
Y (mm) @ ECAL
Entries 229336
Mean –4.903
RMS 46.3
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

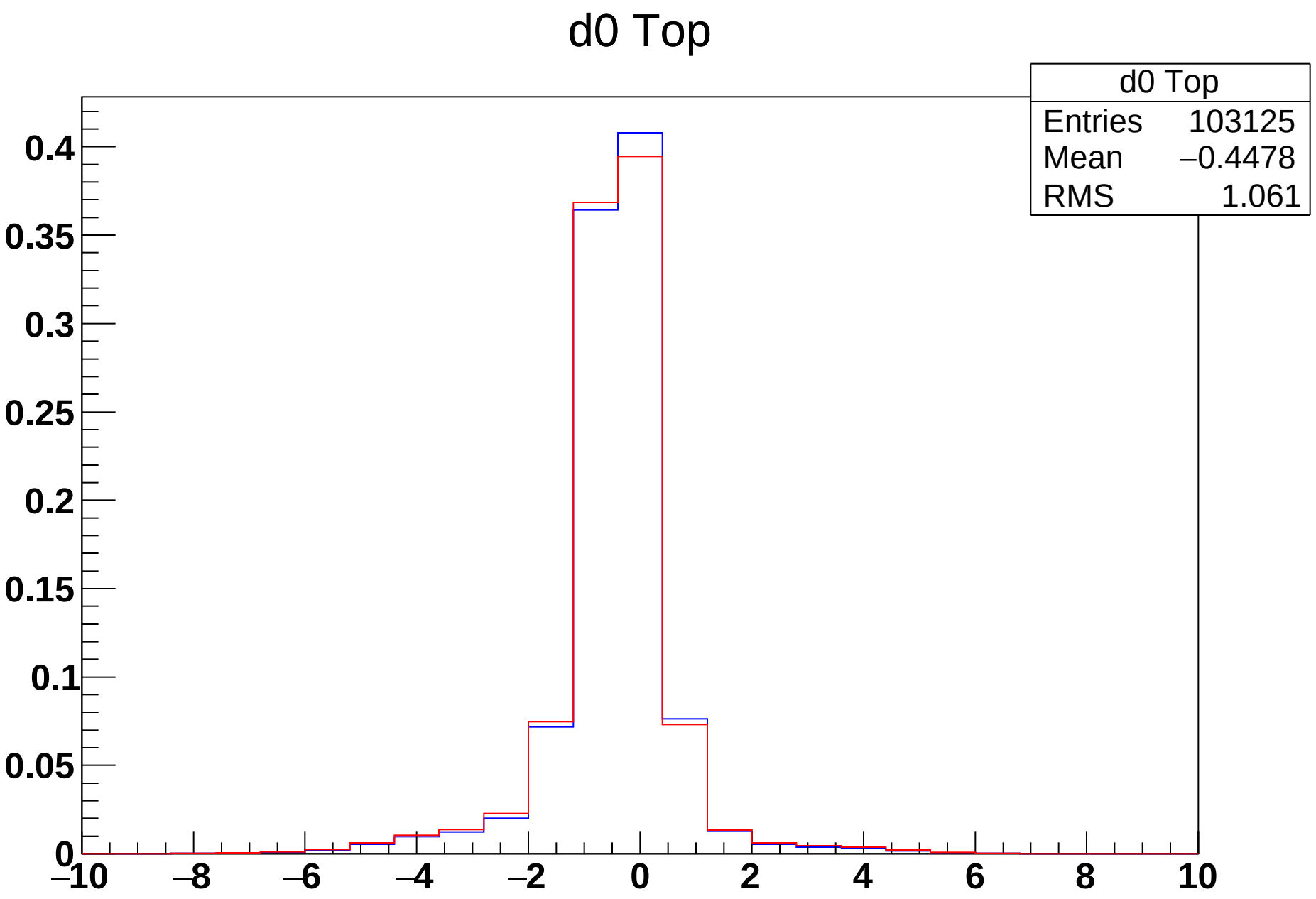

Y (mm) @ ECAL (Pz>1)
Y (mm) @ ECAL (Pz>1)
Entries 67931
Mean –11.6
RMS 39.96
0.12
0.1
0.08
0.06
0.04
0.02
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

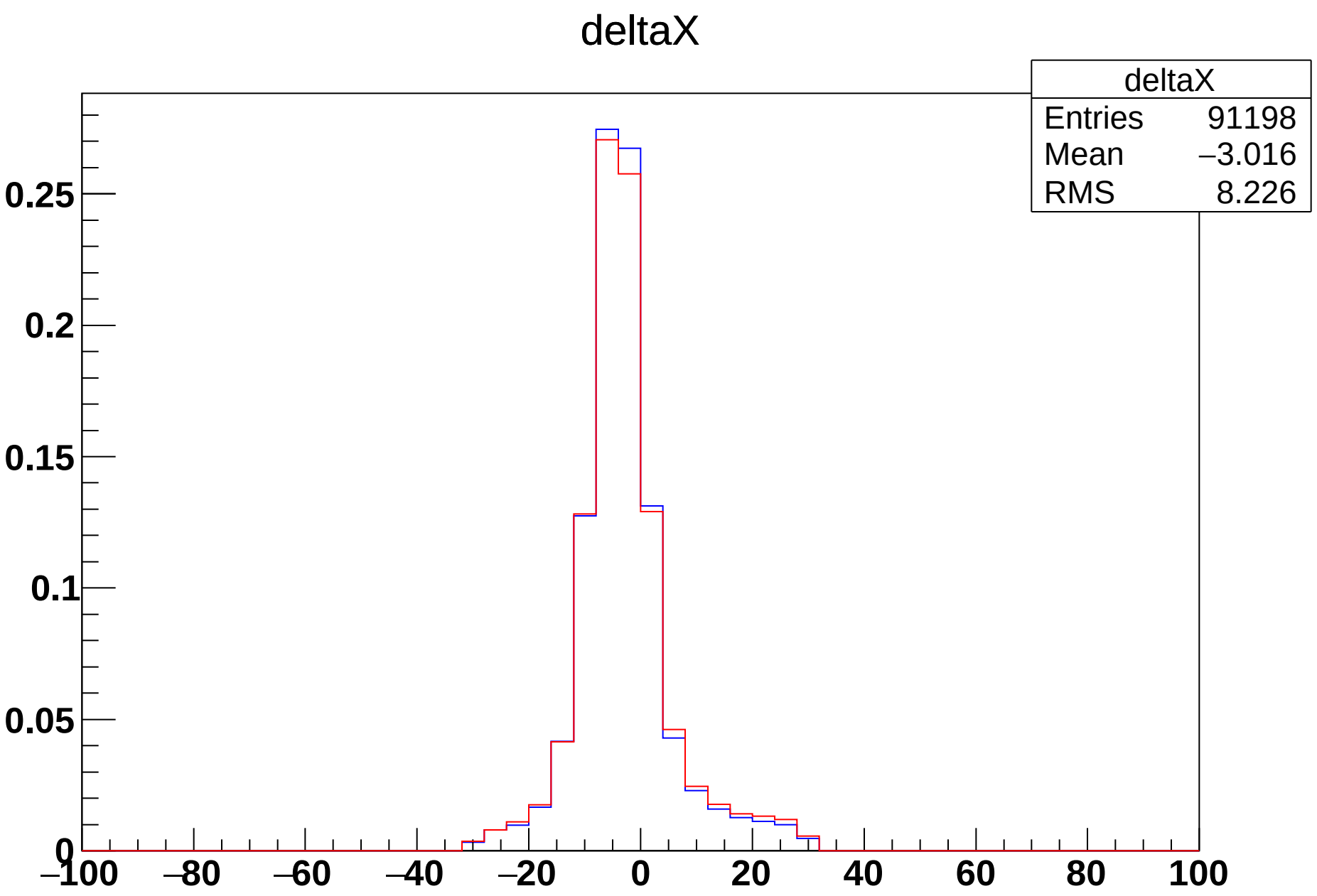

Y (mm) @ Z=-150cm
Y (mm) @ Z=-150cm
Entries 229368
Mean 5.145
RMS 49.57
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–200
–150
–100
–50
0
50
100
150
200

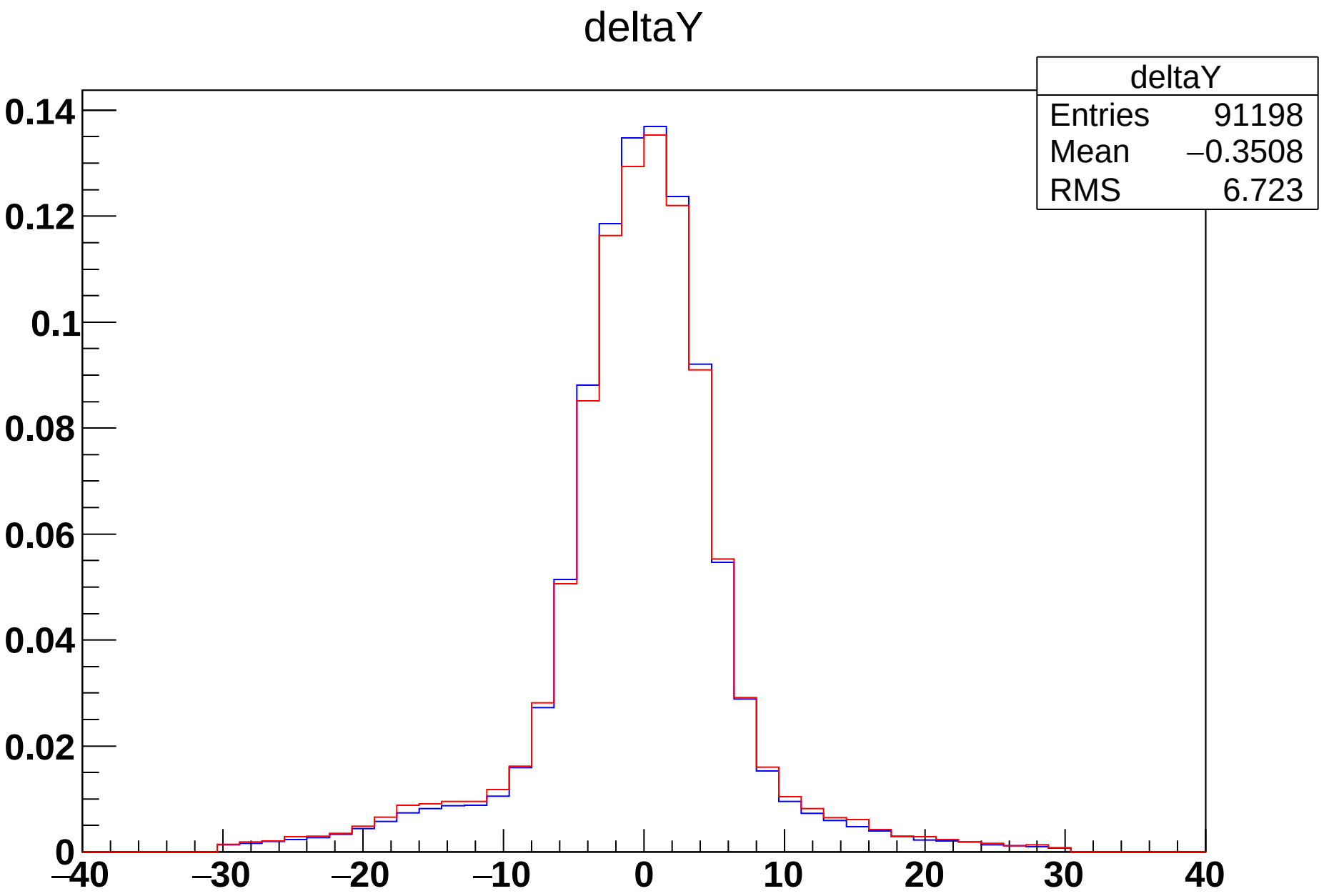

Y (mm) @ Z=-60cm
Y (mm) @ Z=-60cm
Entries 134265
Mean 2.766
RMS 15.71
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
–20
–15
–10
–5
0
5
10
15
20

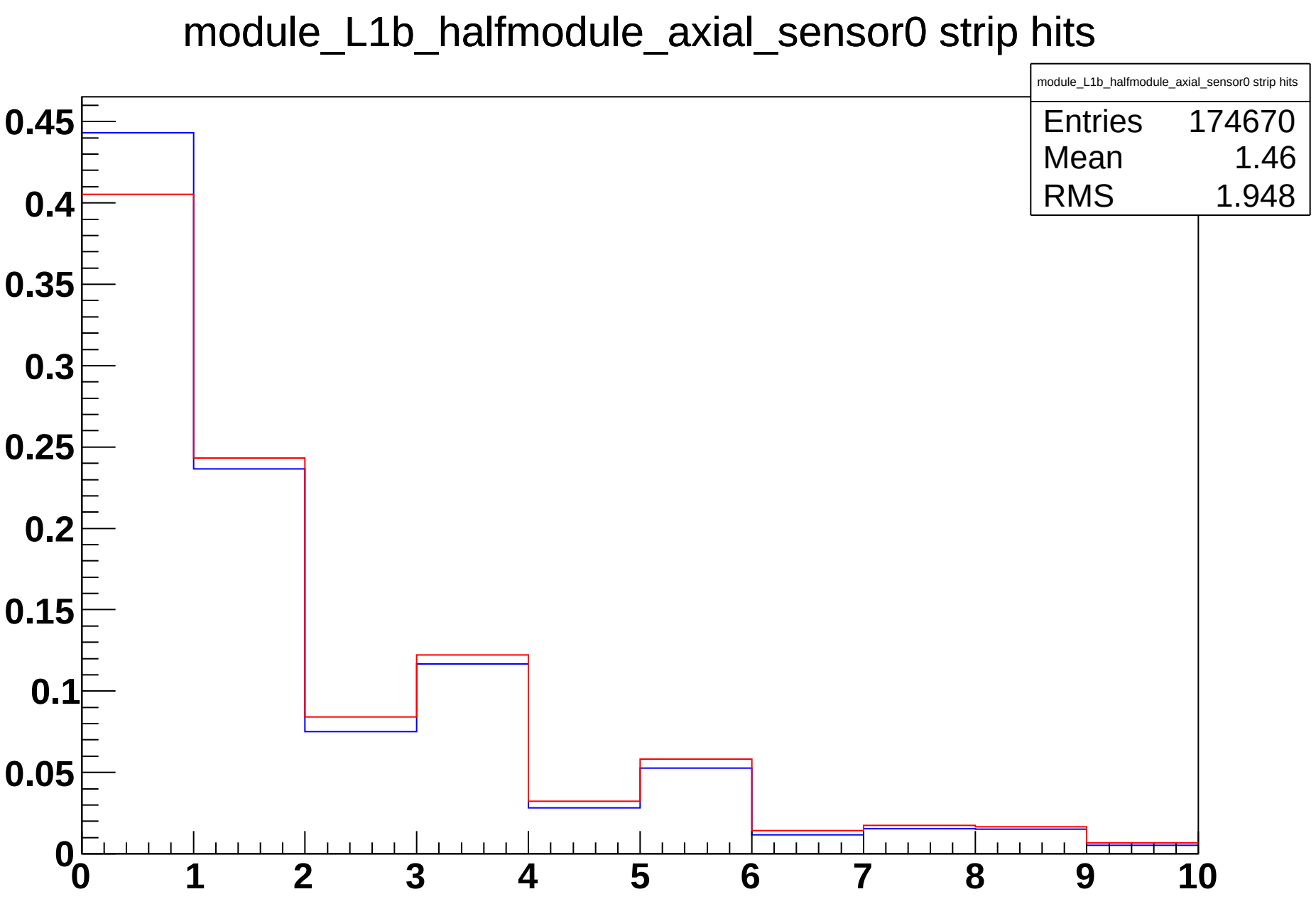

d0
d0
Entries 237584
Mean –0.6197
RMS 1.206
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–10
–8
–6
–4
–2
0
2
4
6
8
10

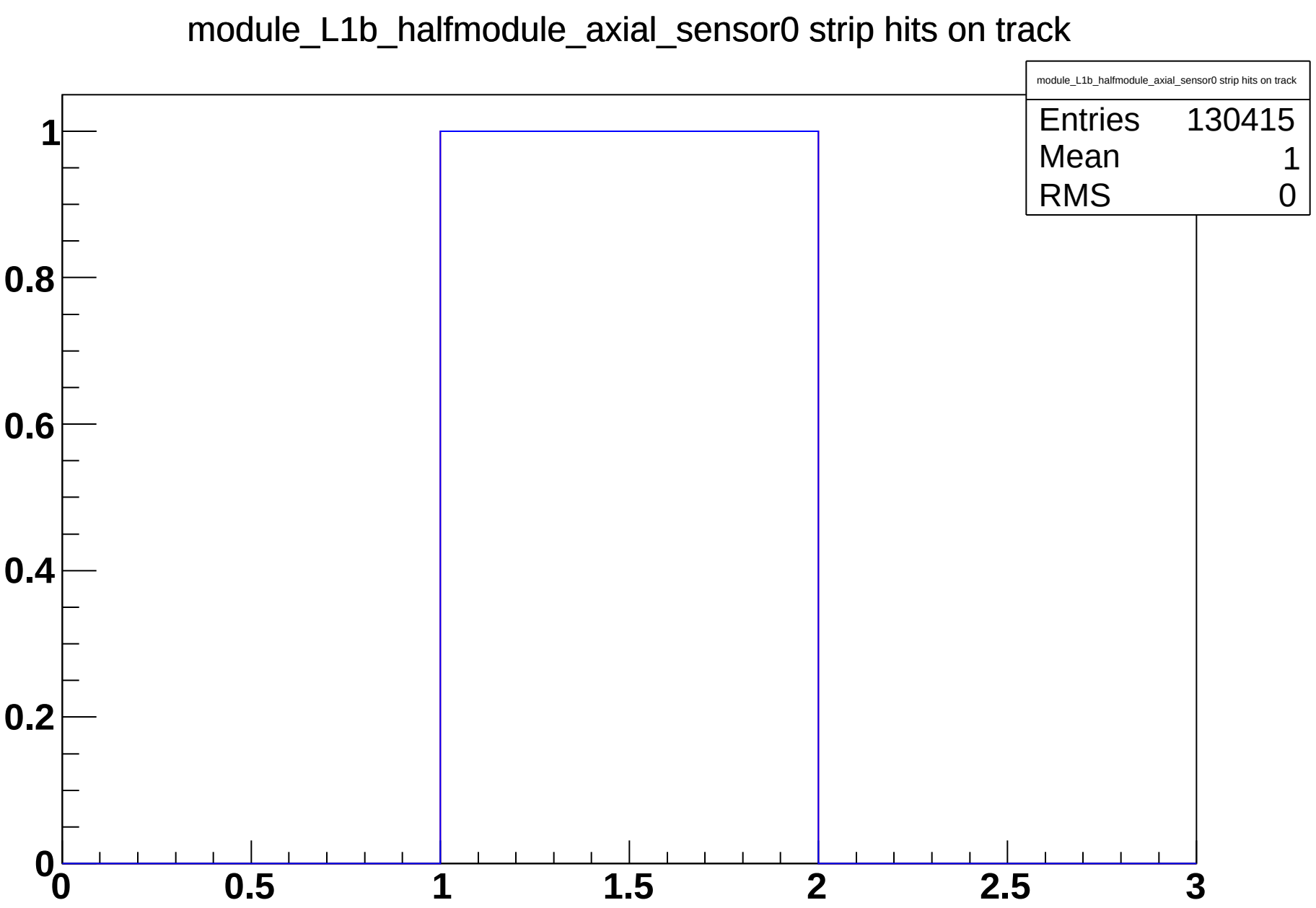

d0 Bottom
d0 Bottom
Entries 134459
Mean –0.7515
RMS 1.291
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–10
–8
–6
–4
–2
0
2
4
6
8
10

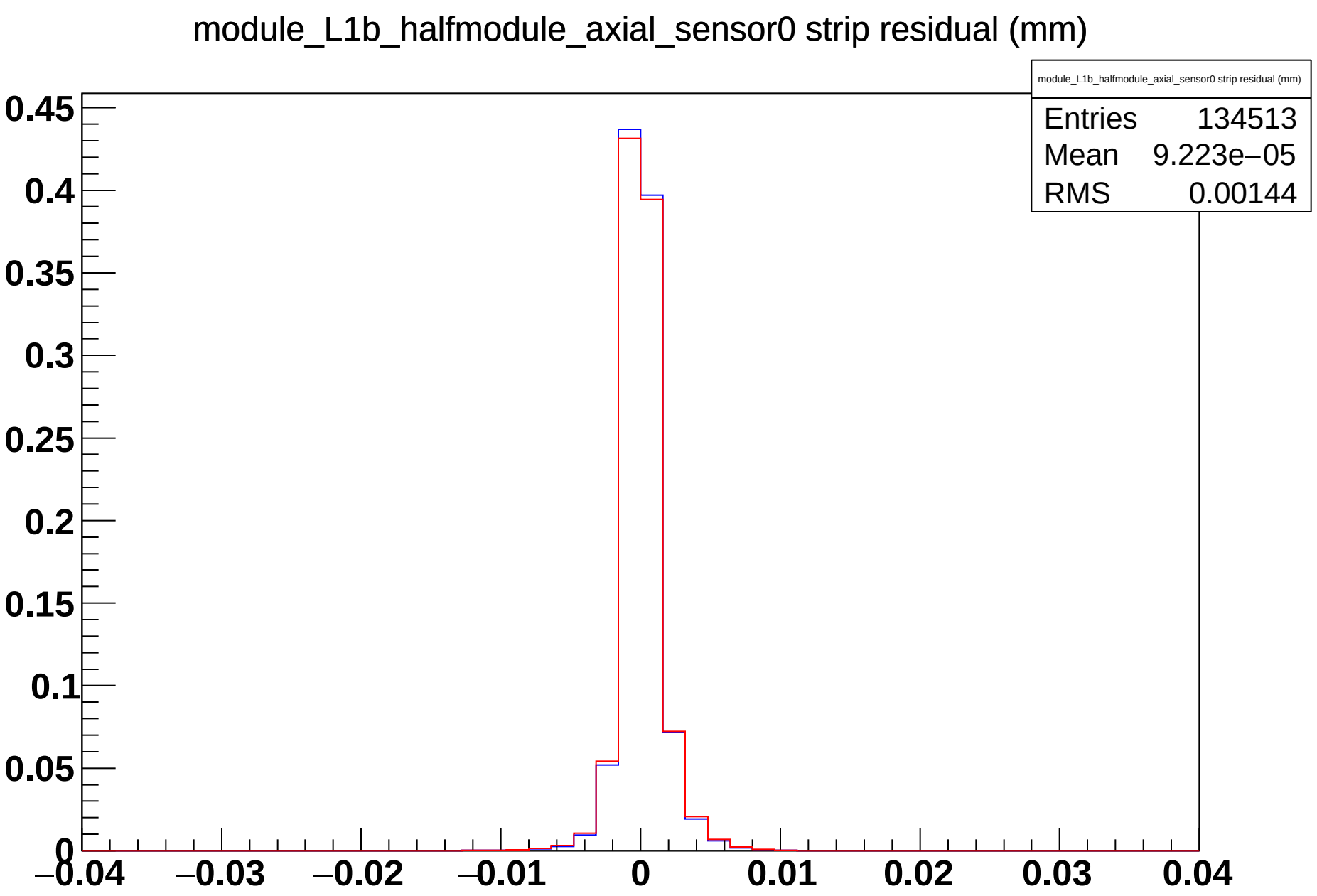

d0 Top
d0 Top
Entries 103125
Mean –0.4478
RMS 1.061
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–10
–8
–6
–4
–2
0
2
4
6
8
10

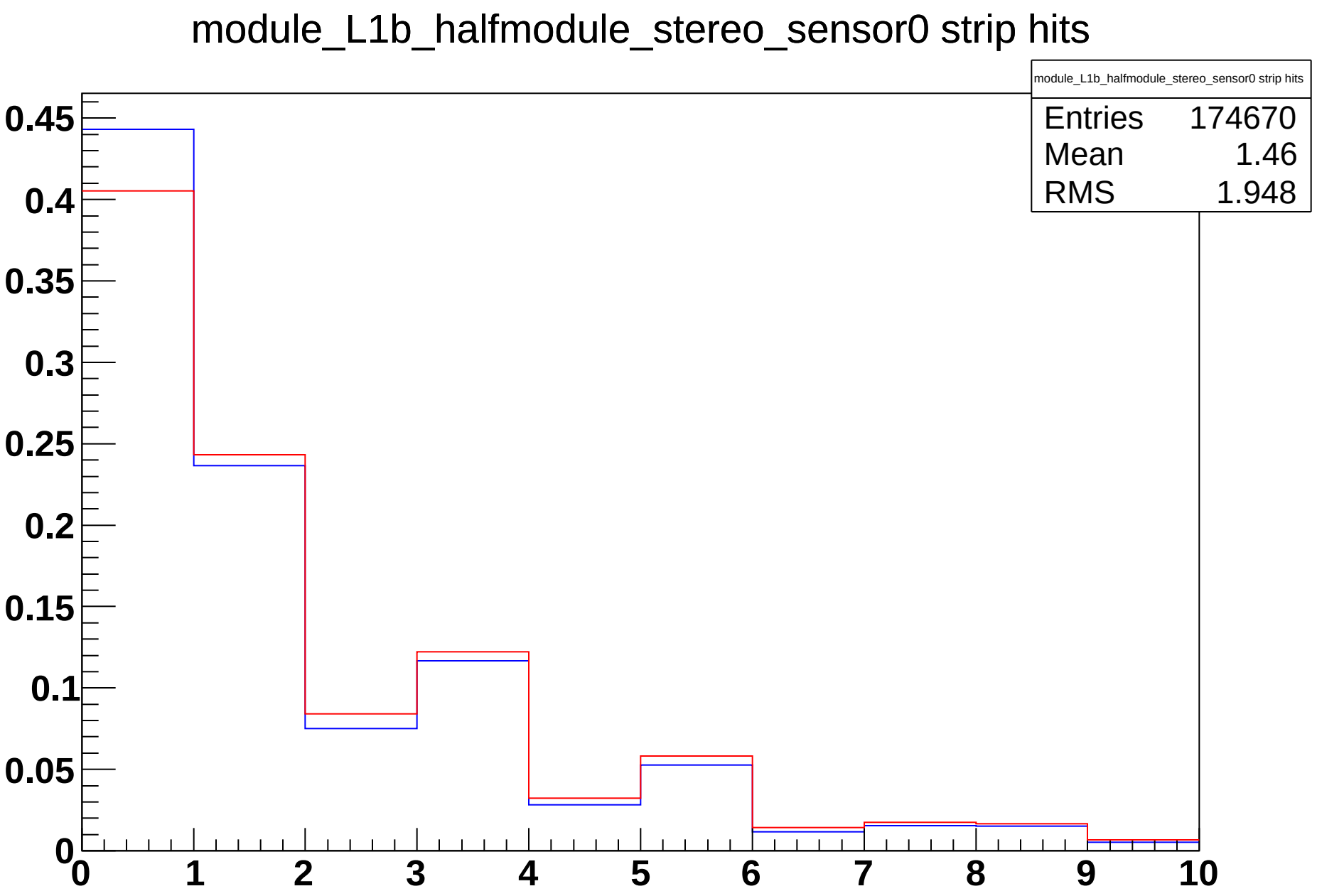

deltaX
deltaX
Entries 91198
Mean –3.016
RMS 8.226
0.25
0.2
0.15
0.1
0.05
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

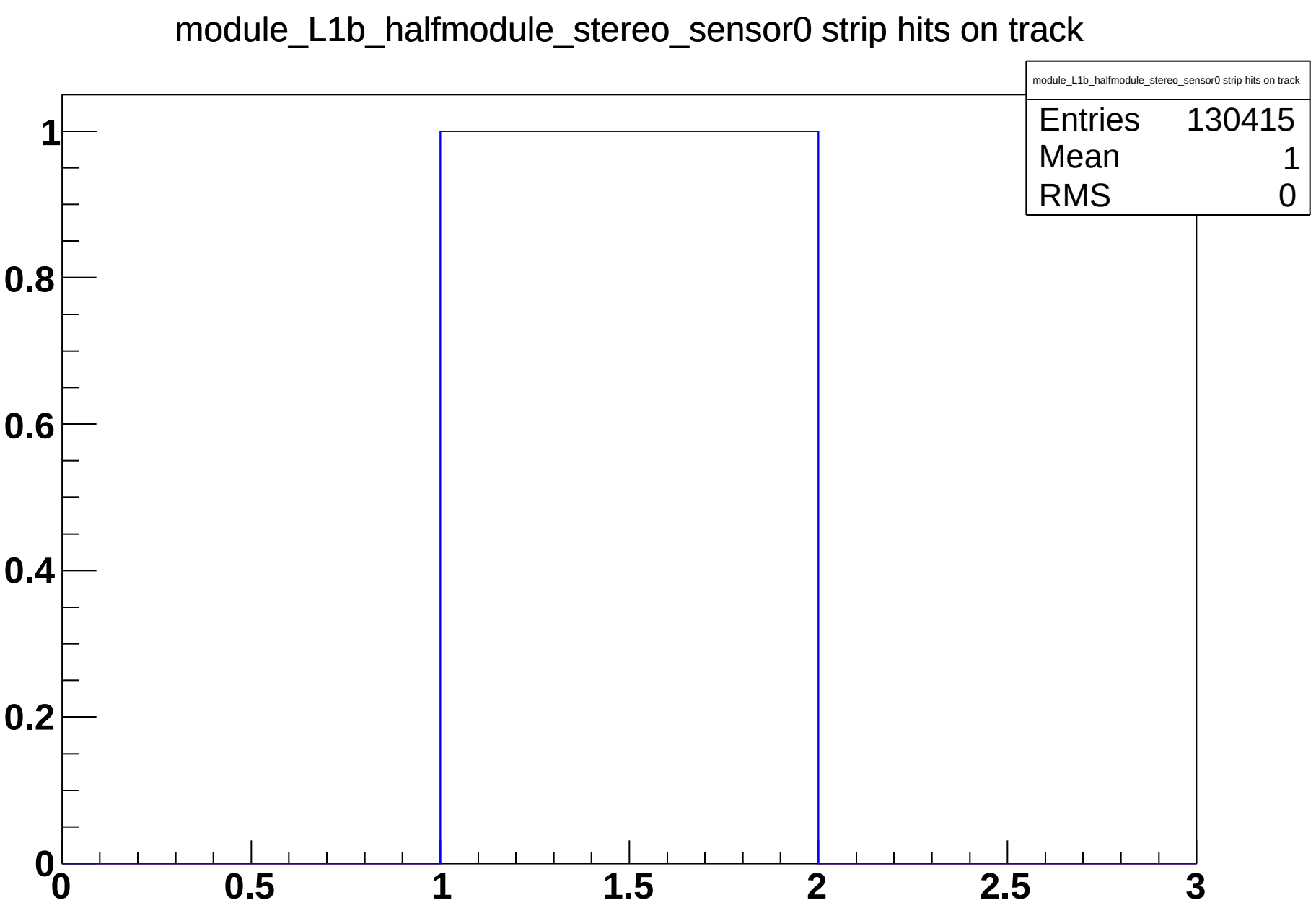

deltaY
deltaY
Entries 91198
Mean –0.3508
RMS 6.723
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–40
–30
–20
–10
0
10
20
30
40

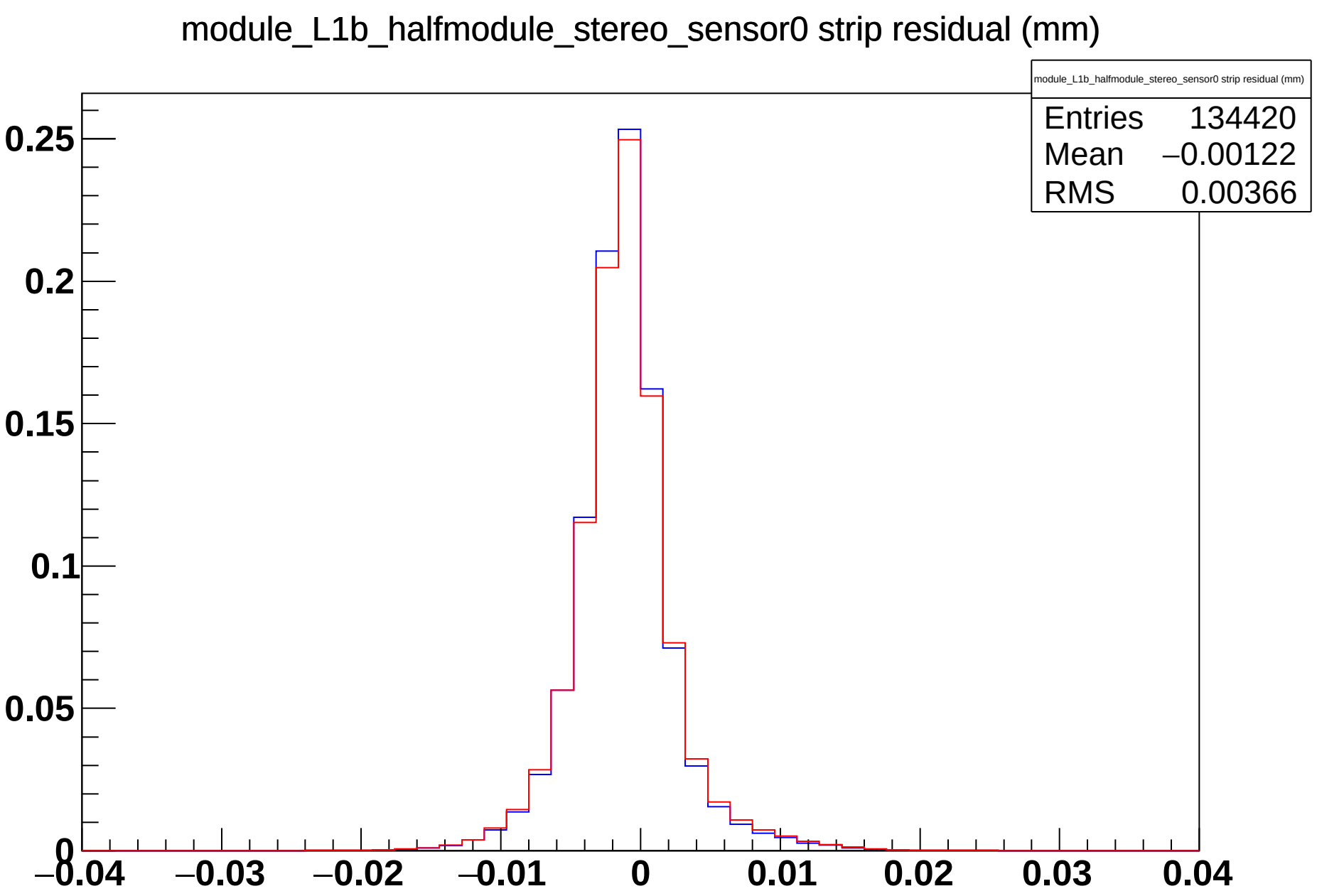

module_L1b_halfmodule_axial_sensor0 strip hits
module_L1b_halfmodule_axial_sensor0 strip hits
Entries 174670
Mean 1.46
RMS 1.948
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0 1 2 3 4 5 6 7 8 9 10

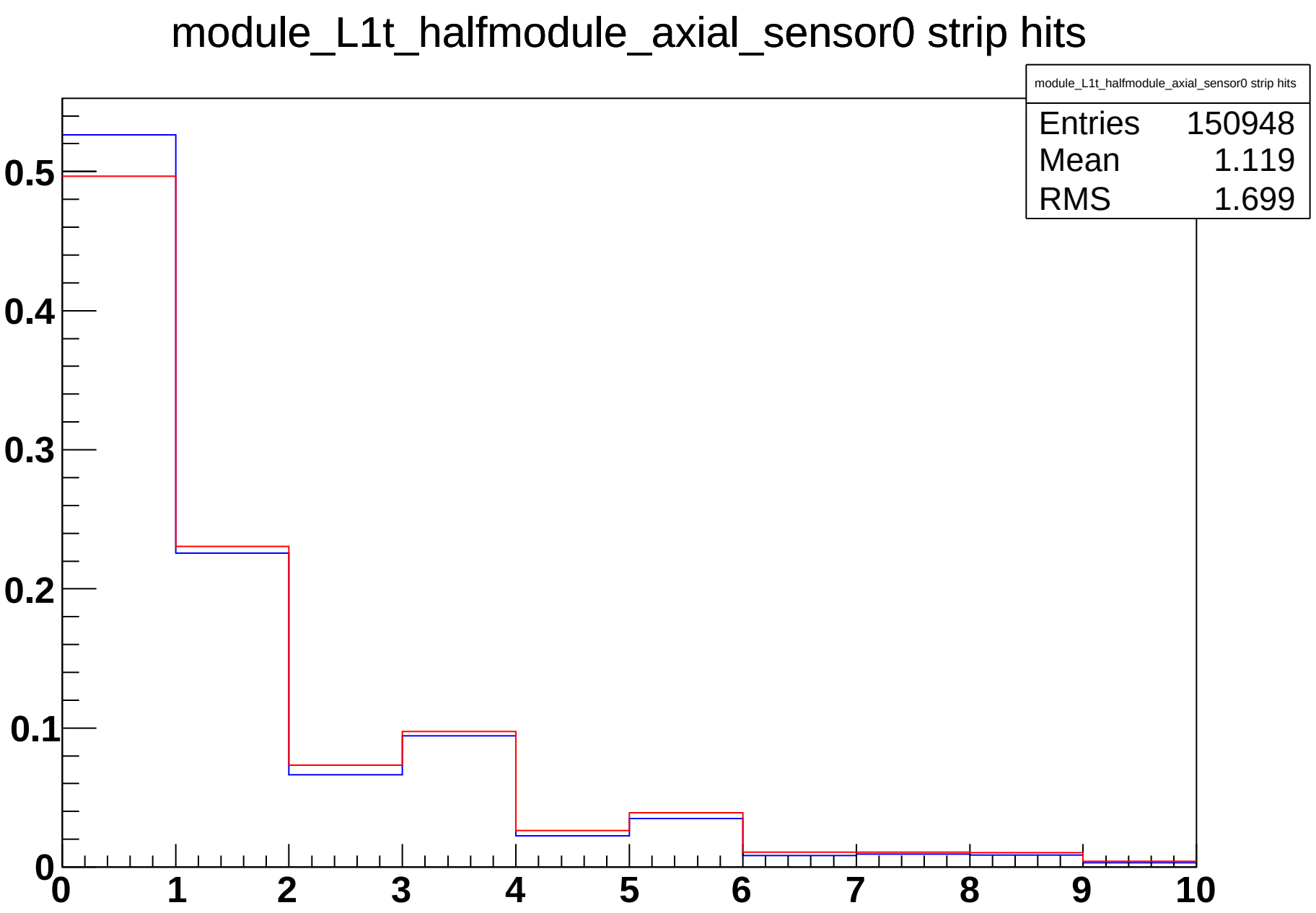

module_L1b_halfmodule_axial_sensor0 strip hits on track
module_L1b_halfmodule_axial_sensor0 strip hits on track
Entries 130415
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

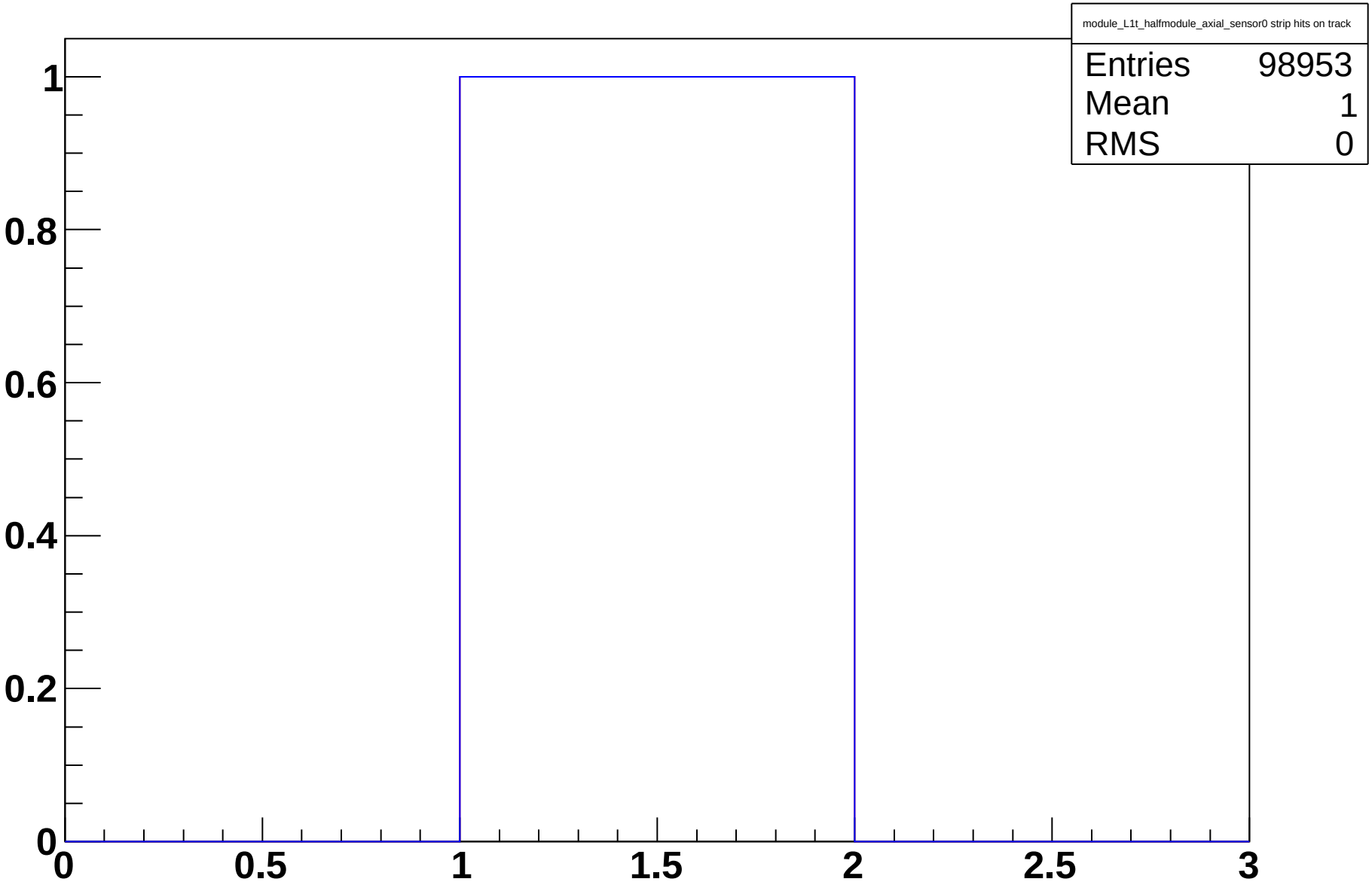

module_L1b_halfmodule_axial_sensor0 strip residual (mm)
module_L1b_halfmodule_axial_sensor0 strip residual (mm)
Entries 134513
Mean 9.223e−05
RMS 0.00144
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04

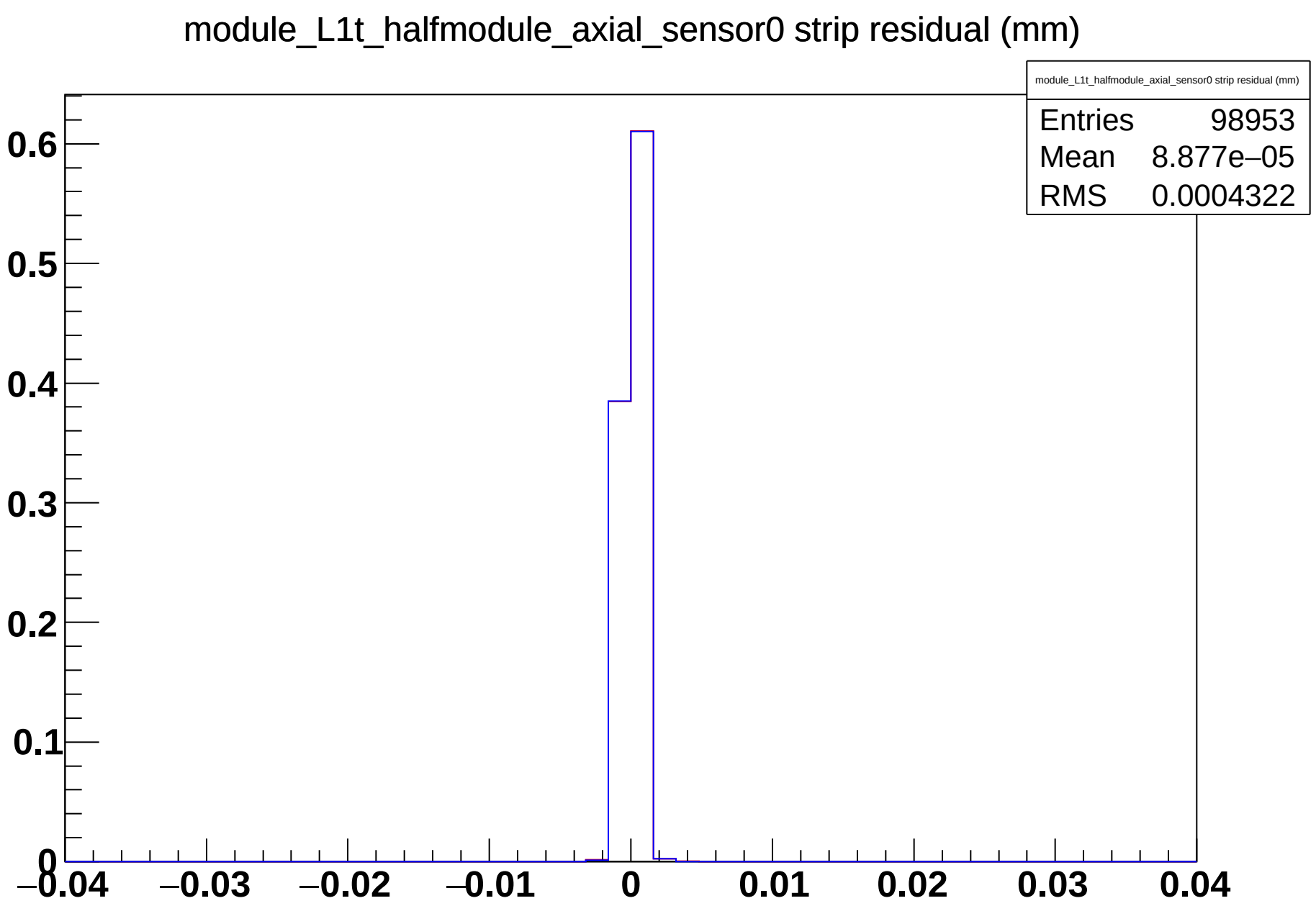

module_L1b_halfmodule_stereo_sensor0 strip hits
module_L1b_halfmodule_stereo_sensor0 strip hits
Entries 174670
Mean 1.46
RMS 1.948
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0 1 2 3 4 5 6 7 8 9 10

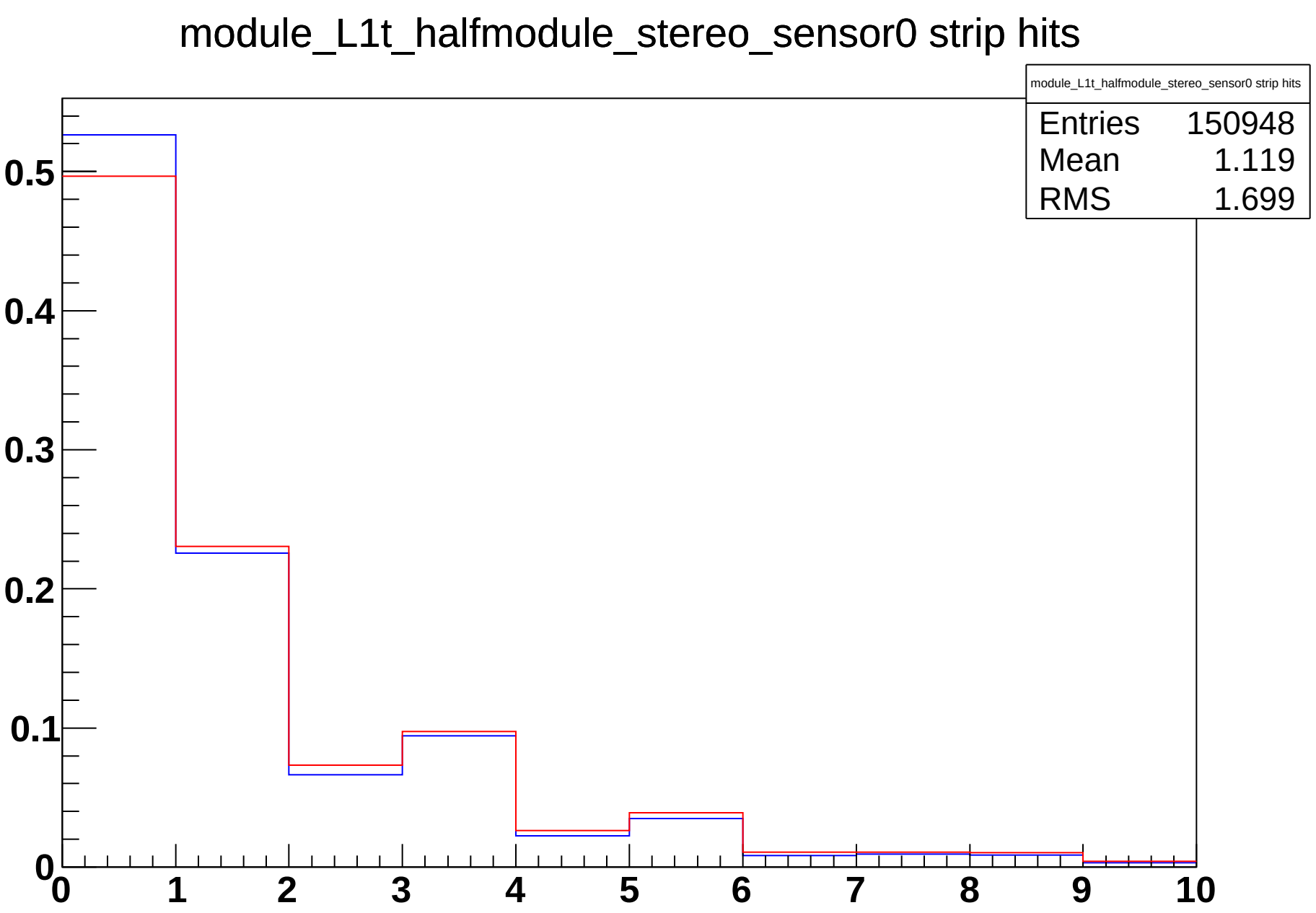

module_L1b_halfmodule_stereo_sensor0 strip hits on track
module_L1b_halfmodule_stereo_sensor0 strip hits on track
Entries 130415
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

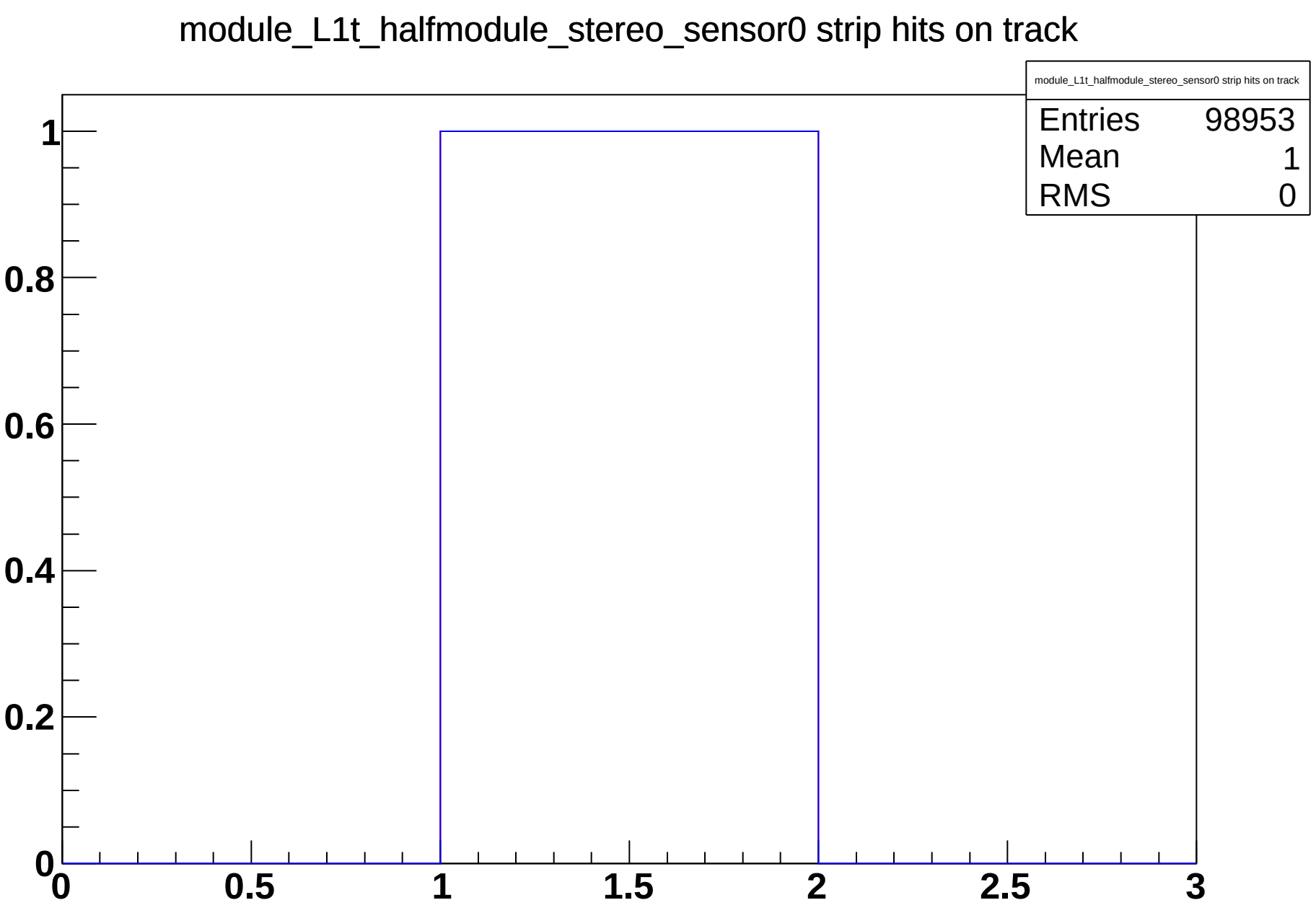

module_L1b_halfmodule_stereo_sensor0 strip residual (mm)
module_L1b_halfmodule_stereo_sensor0 strip residual (mm)
Entries 134420
Mean −0.00122
RMS 0.00366
0.25
0.2
0.15
0.1
0.05
0
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04

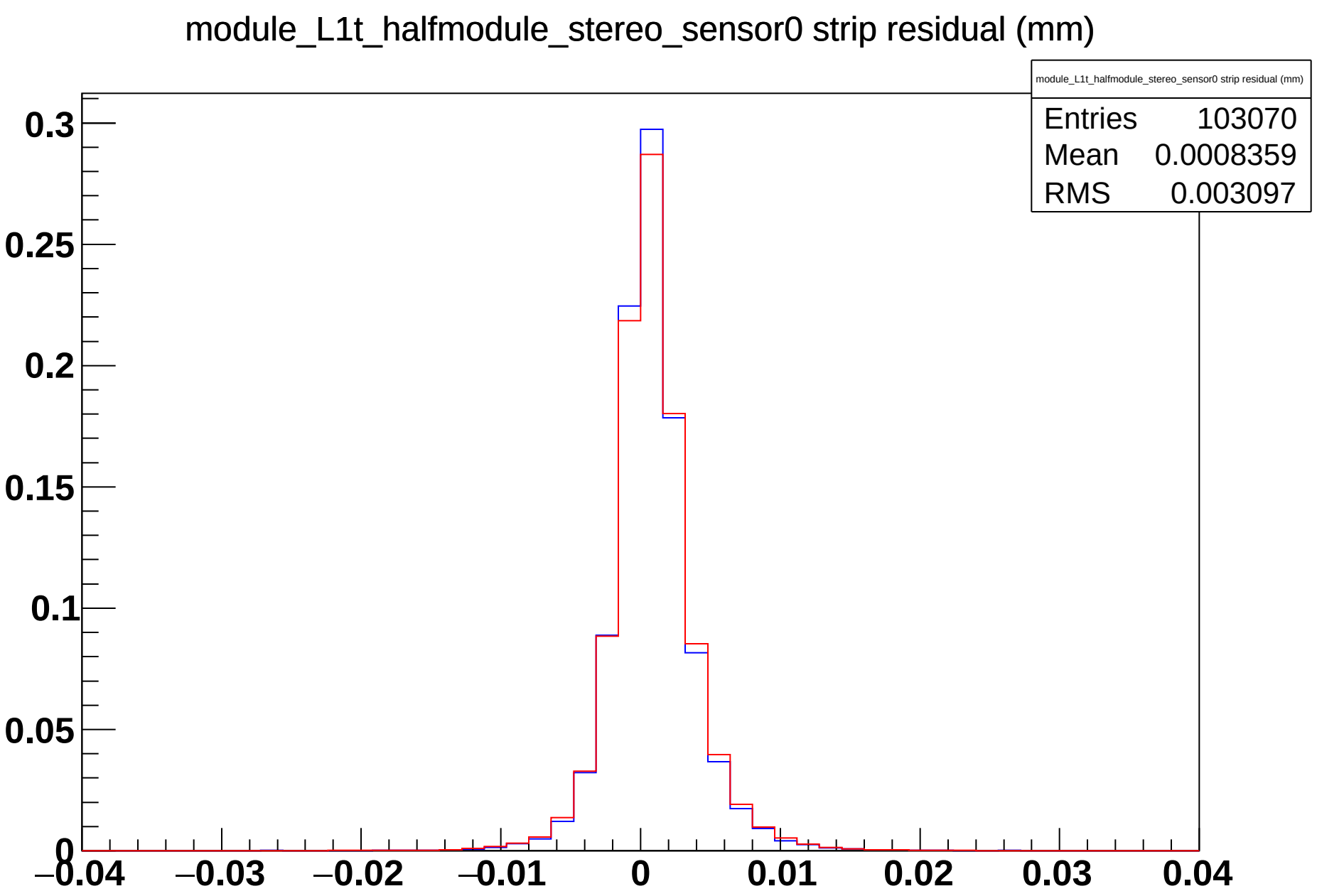

module_L1t_halfmodule_axial_sensor0 strip hits
module_L1t_halfmodule_axial_sensor0 strip hits
Entries 150948
Mean 1.119
RMS 1.699
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

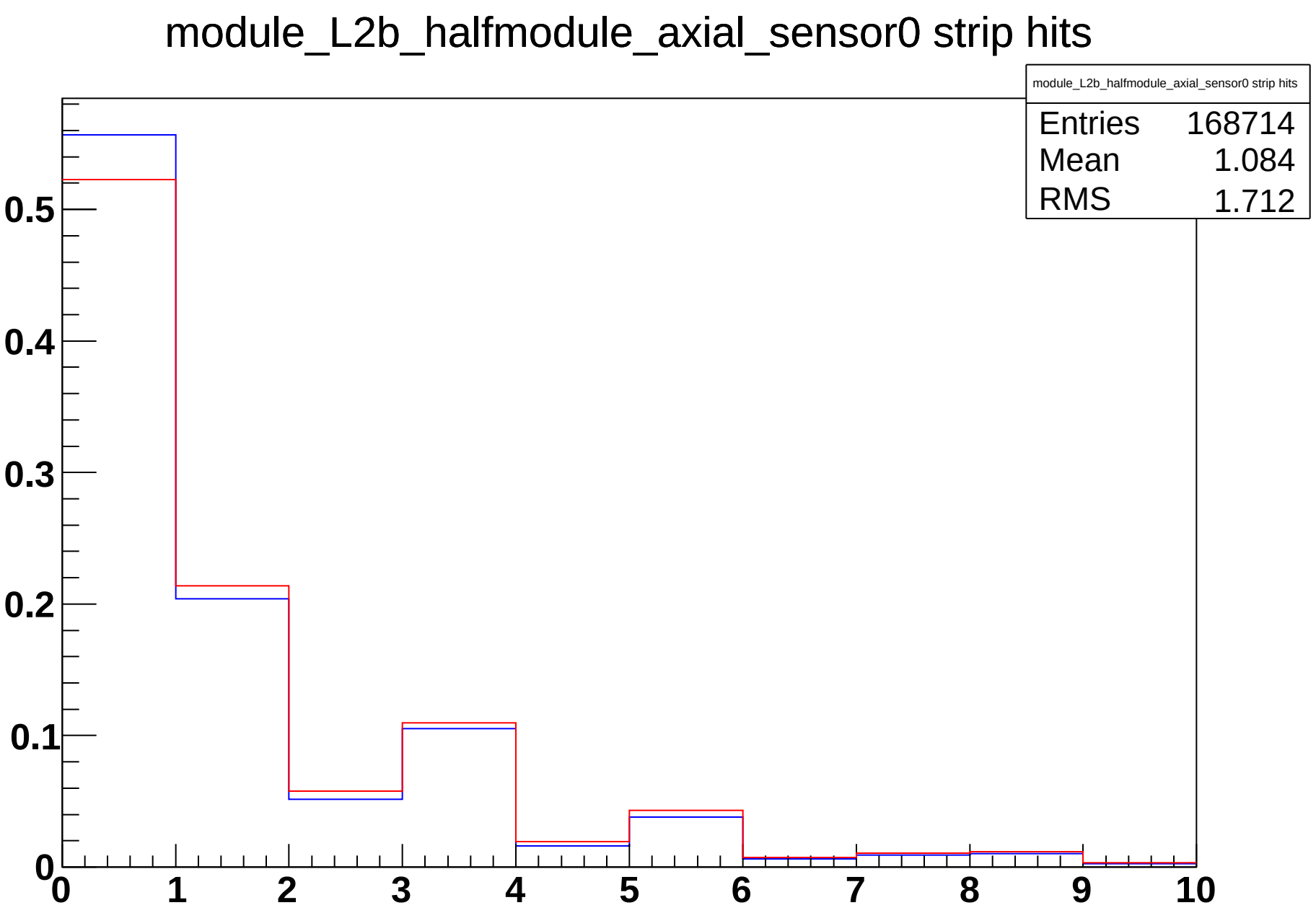

module_L1t_halfmodule_axial_sensor0 strip hits on track
module_L1t_halfmodule_axial_sensor0 strip hits on track
Entries 98953
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

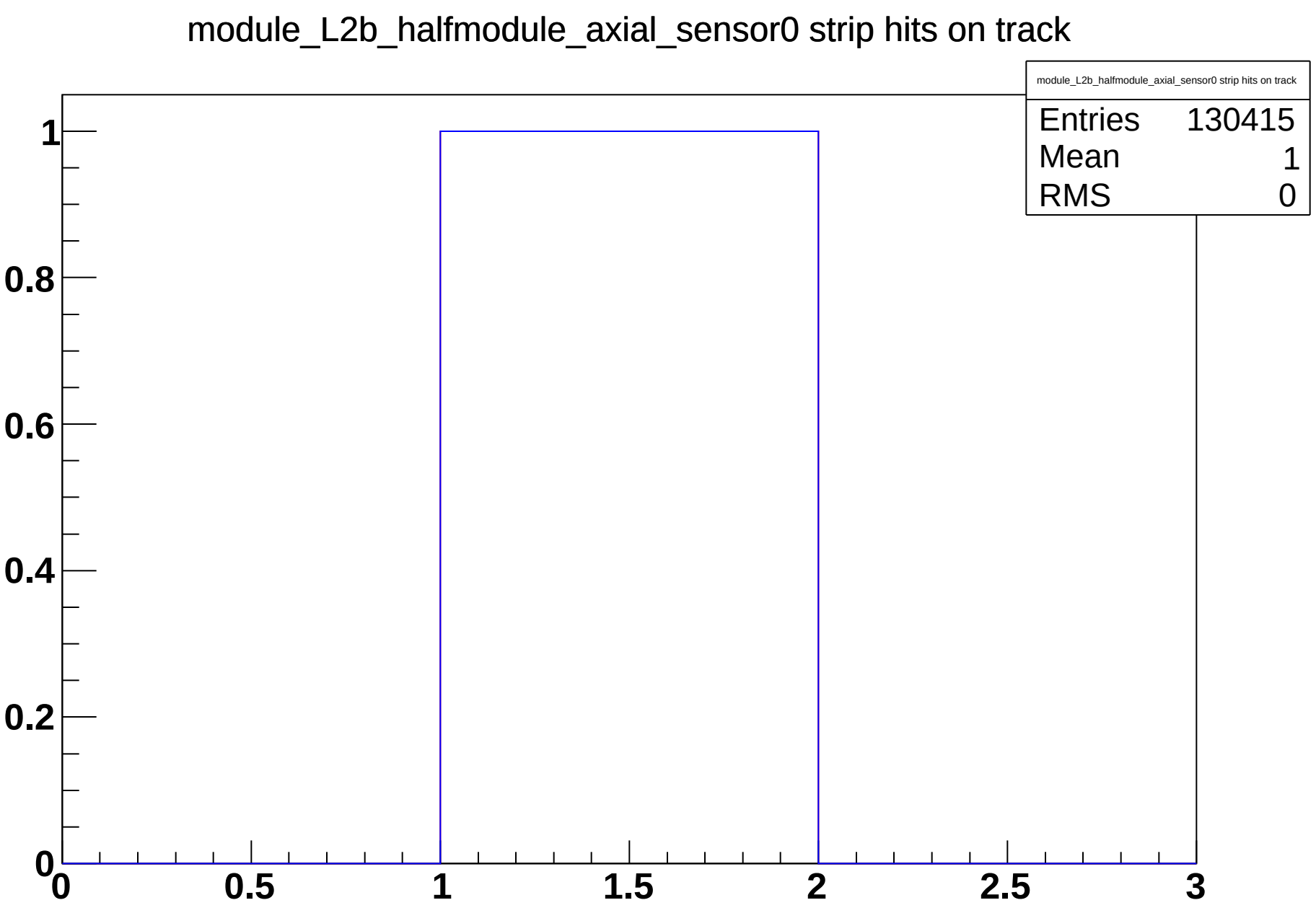

module_L1t_halfmodule_axial_sensor0 strip residual (mm)
module_L1t_halfmodule_axial_sensor0 strip residual (mm)
Entries 98953
Mean 8.877e−05
RMS 0.0004322
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04

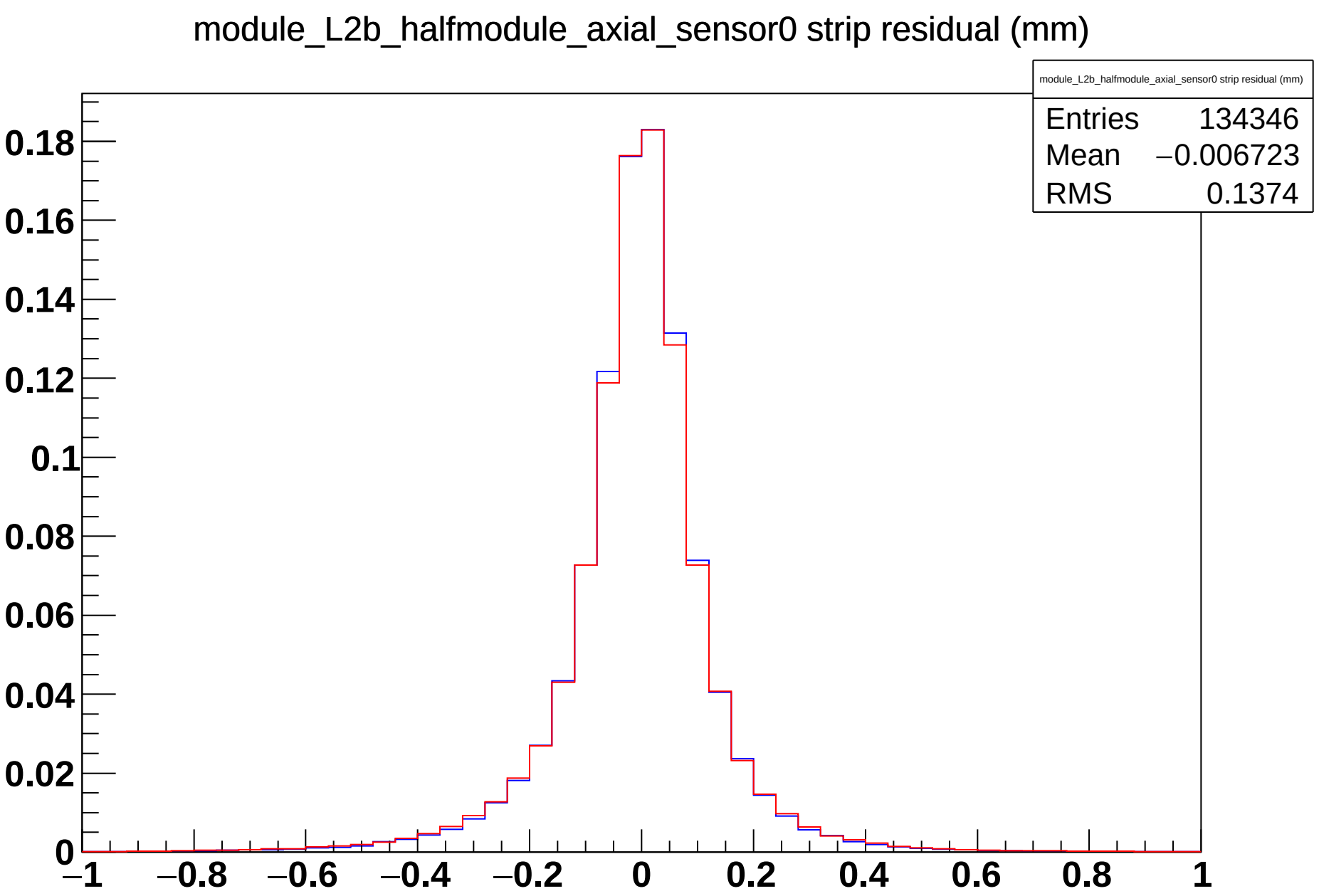

module_L1t_halfmodule_stereo_sensor0 strip hits
module_L1t_halfmodule_stereo_sensor0 strip hits
Entries 150948
Mean 1.119
RMS 1.699
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
8
9
10

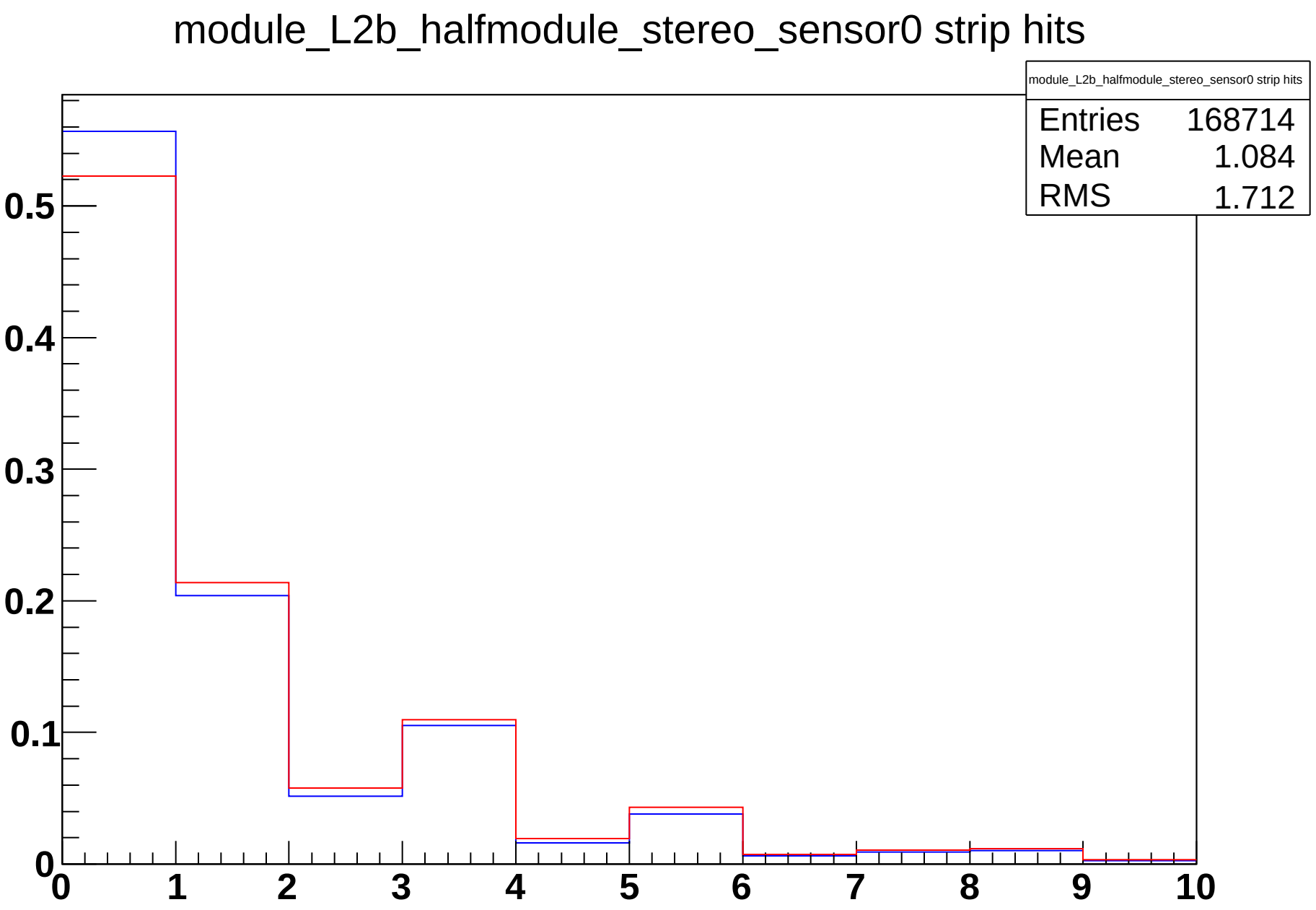

module_L1t_halfmodule_stereo_sensor0 strip hits on track
module_L1t_halfmodule_stereo_sensor0 strip hits on track
Entries 98953
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

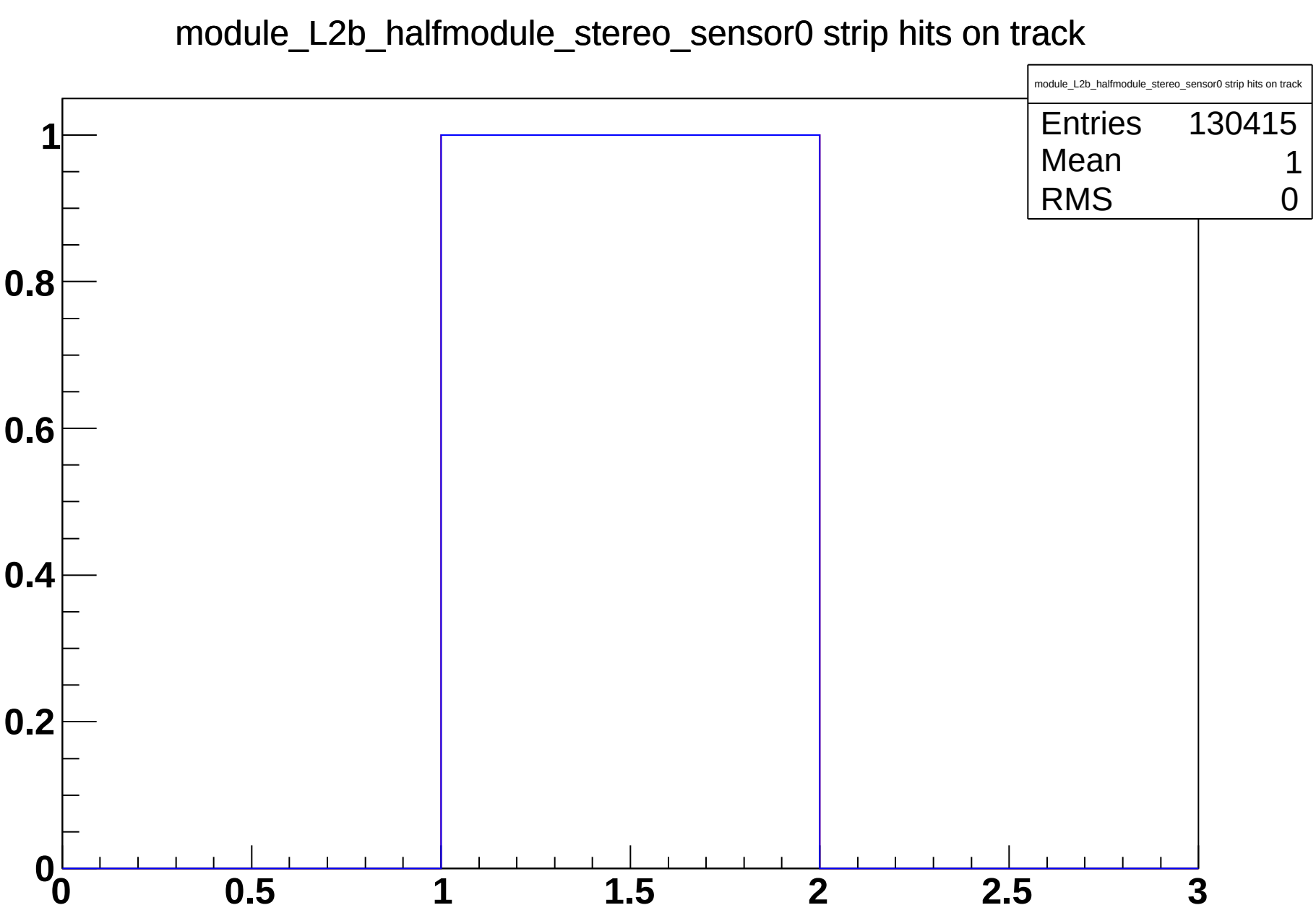

module_L1t_halfmodule_stereo_sensor0 strip residual (mm)
module_L1t_halfmodule_stereo_sensor0 strip residual (mm)
Entries 103070
Mean 0.0008359
RMS 0.003097
0.3
0.25
0.2
0.15
0.1
0.05
0
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04

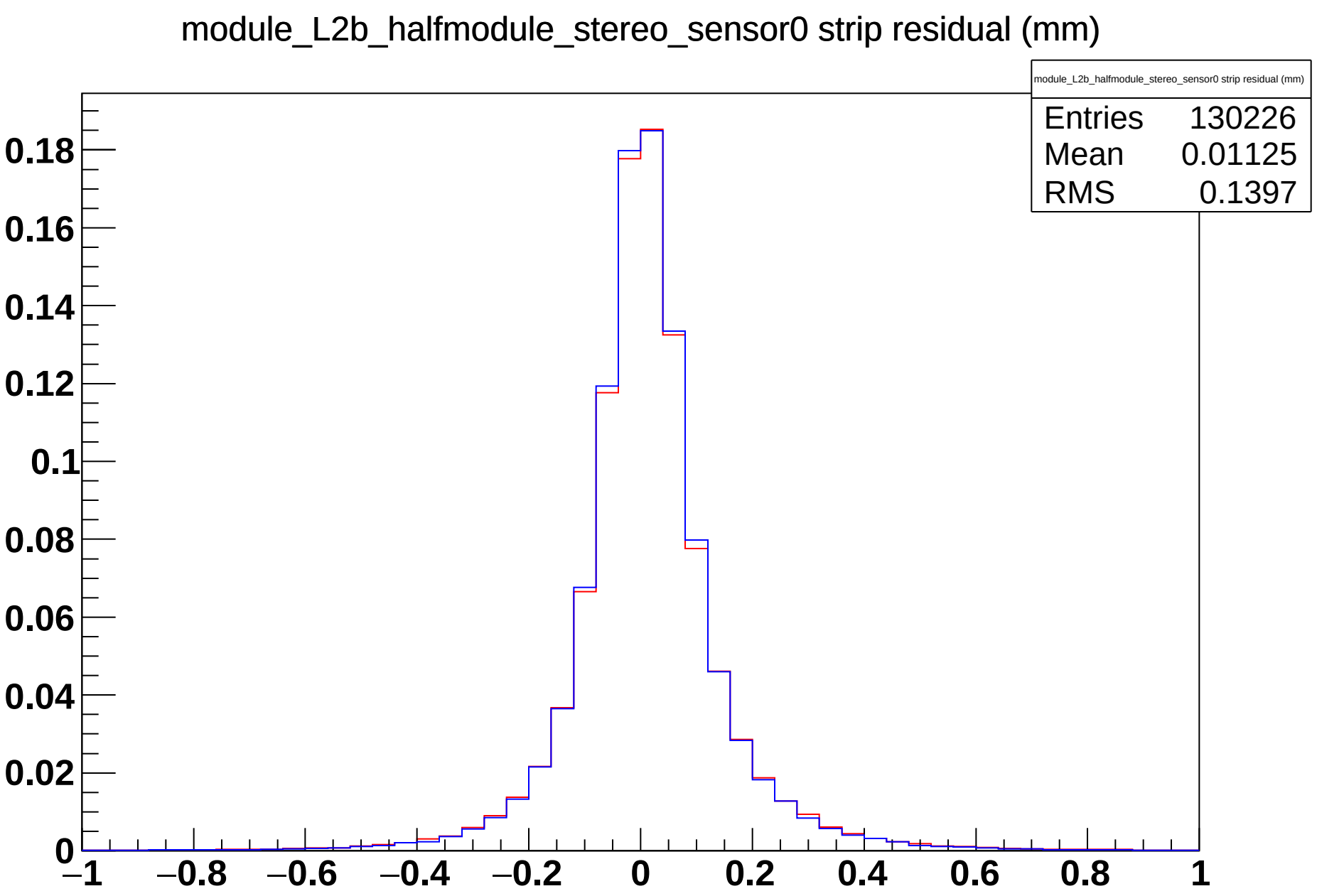

module_L2b_halfmodule_axial_sensor0 strip hits
module_L2b_halfmodule_axial_sensor0 strip hits
Entries 168714
Mean 1.084
RMS 1.712
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
8
9
10

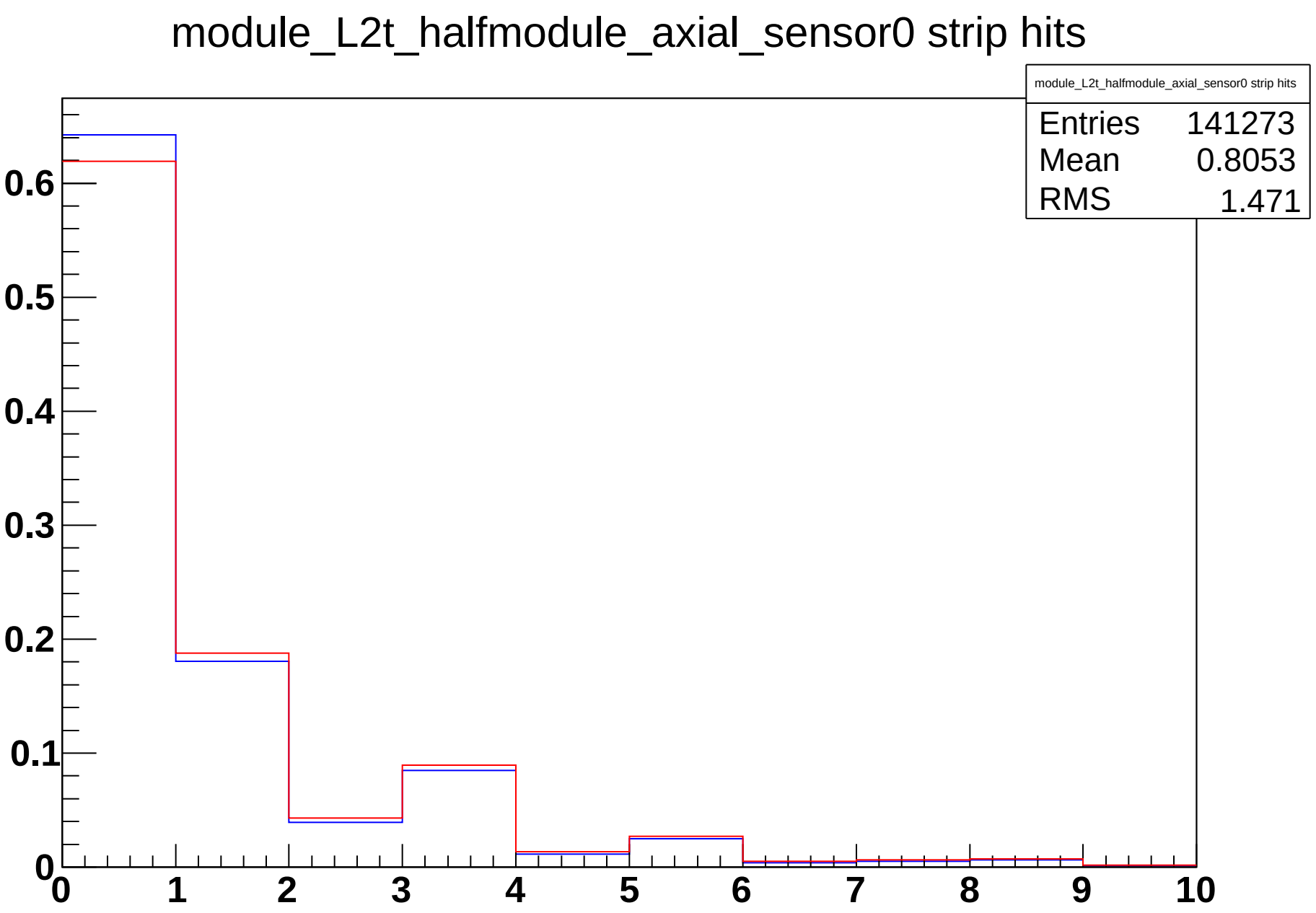

module_L2b_halfmodule_axial_sensor0 strip hits on track
module_L2b_halfmodule_axial_sensor0 strip hits on track
Entries 130415
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

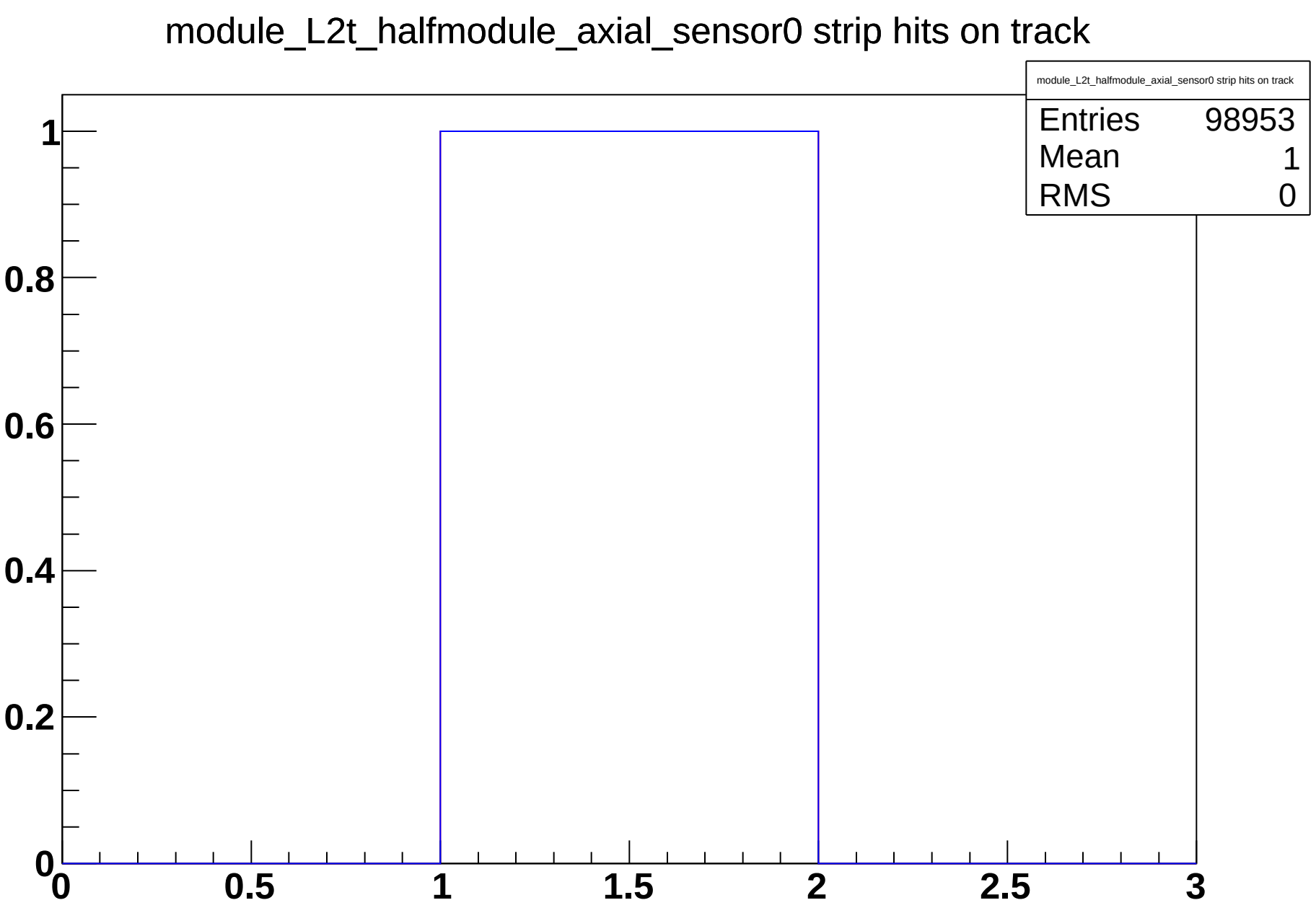

module_L2b_halfmodule_axial_sensor0 strip residual (mm)
module_L2b_halfmodule_axial_sensor0 strip residual (mm)
Entries 134346
Mean −0.006723
RMS 0.1374
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1

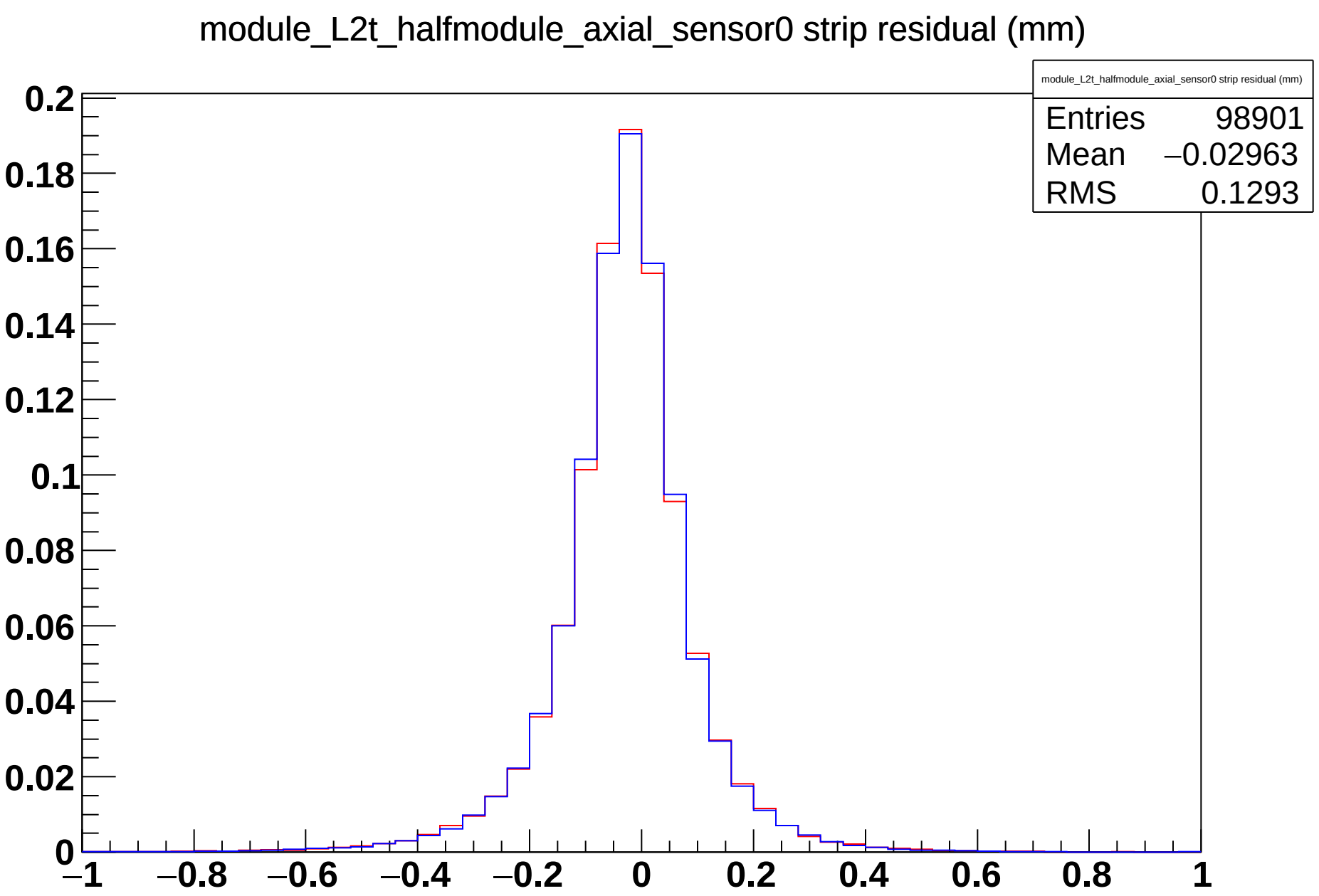

module_L2b_halfmodule_stereo_sensor0 strip hits
module_L2b_halfmodule_stereo_sensor0 strip hits
Entries 168714
Mean 1.084
RMS 1.712
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
8
9
10

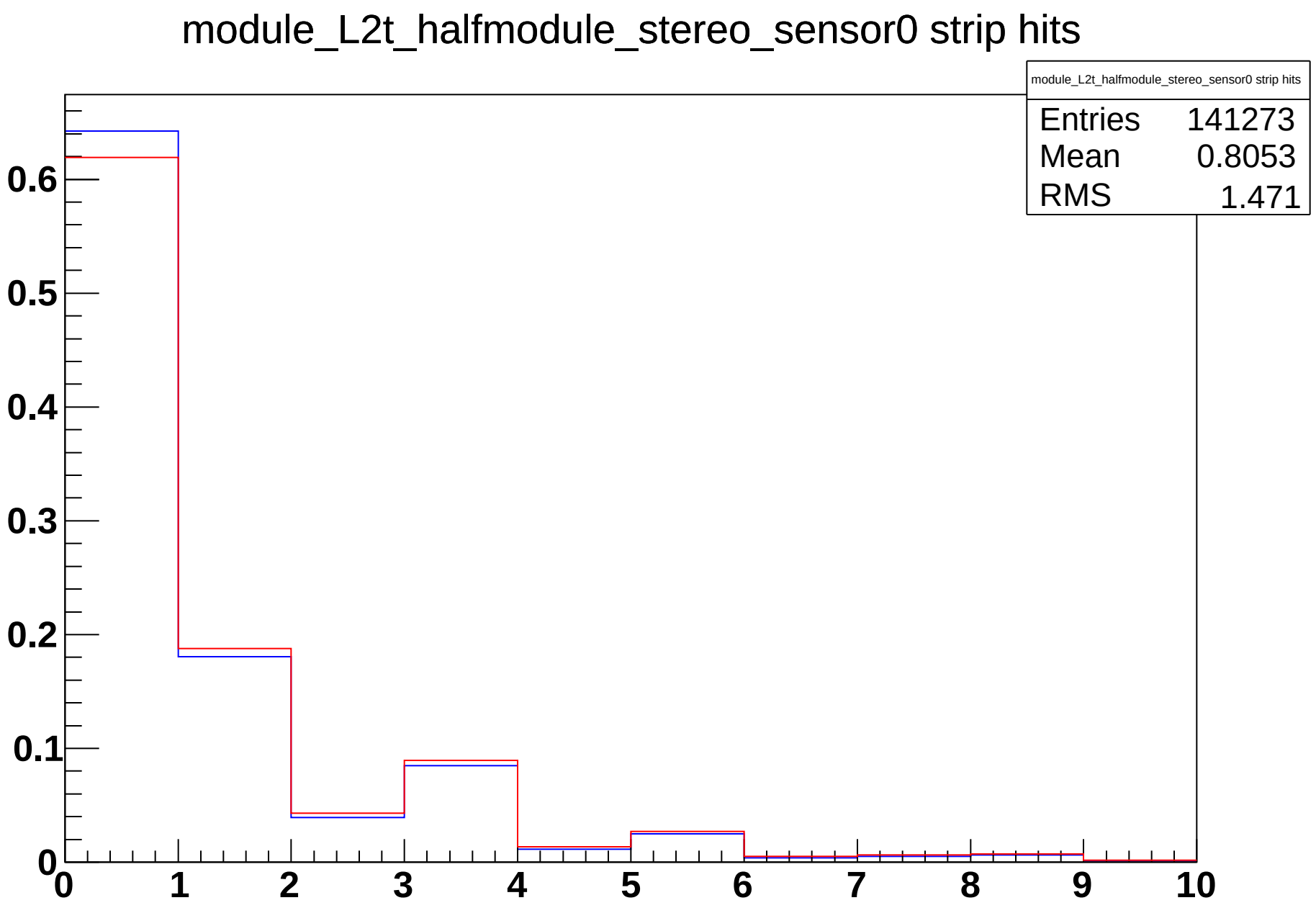

module_L2b_halfmodule_stereo_sensor0 strip hits on track
module_L2b_halfmodule_stereo_sensor0 strip hits on track
Entries 130415
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

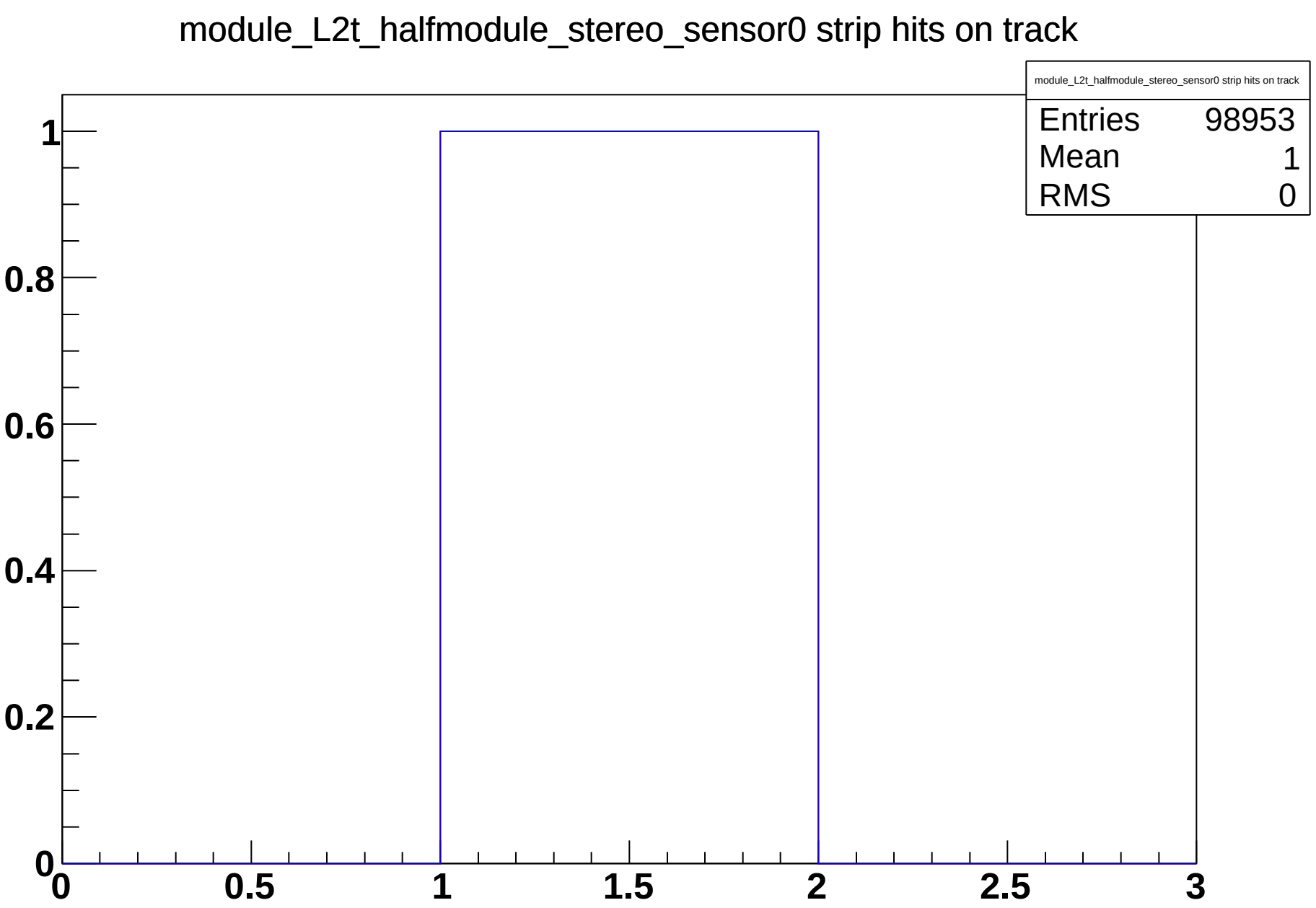

module_L2b_halfmodule_stereo_sensor0 strip residual (mm)
module_L2b_halfmodule_stereo_sensor0 strip residual (mm)
Entries 130226
Mean 0.01125
RMS 0.1397
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–1
–0.8
–0.6
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1

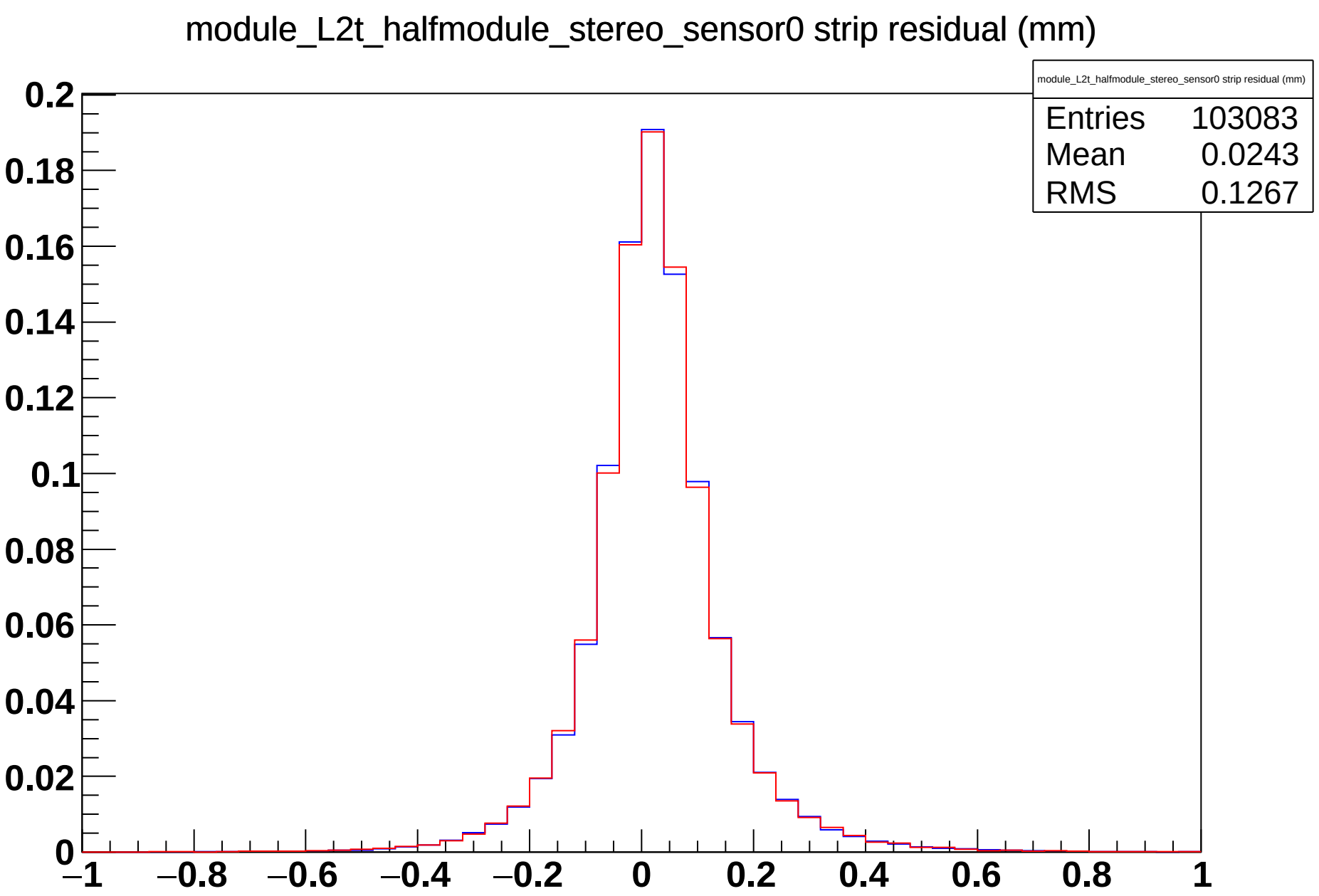

module_L2t_halfmodule_axial_sensor0 strip hits
module_L2t_halfmodule_axial_sensor0 strip hits
Entries 141273
Mean 0.8053
RMS 1.471
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

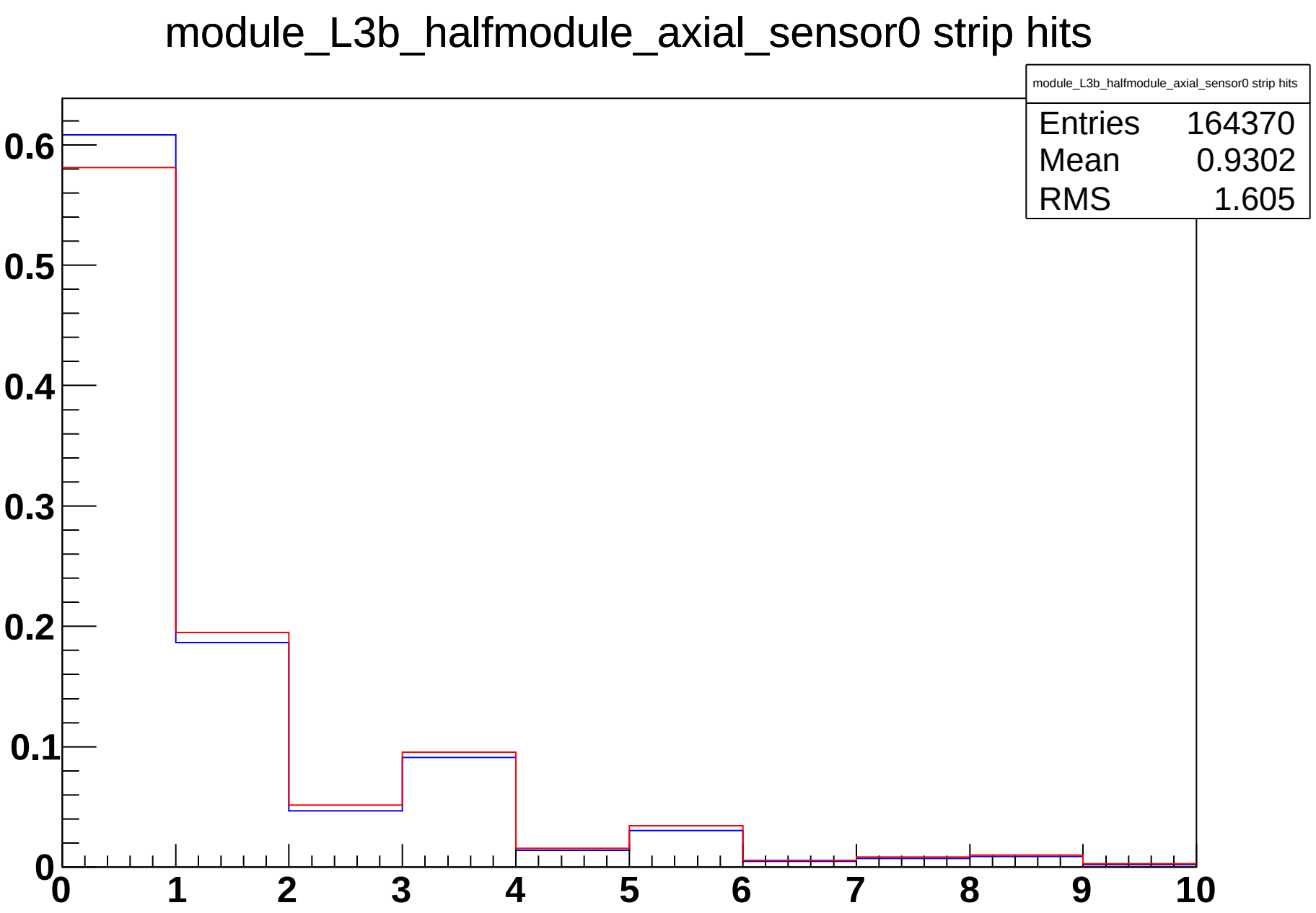

module_L2t_halfmodule_axial_sensor0 strip hits on track
module_L2t_halfmodule_axial_sensor0 strip hits on track
Entries 98953
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

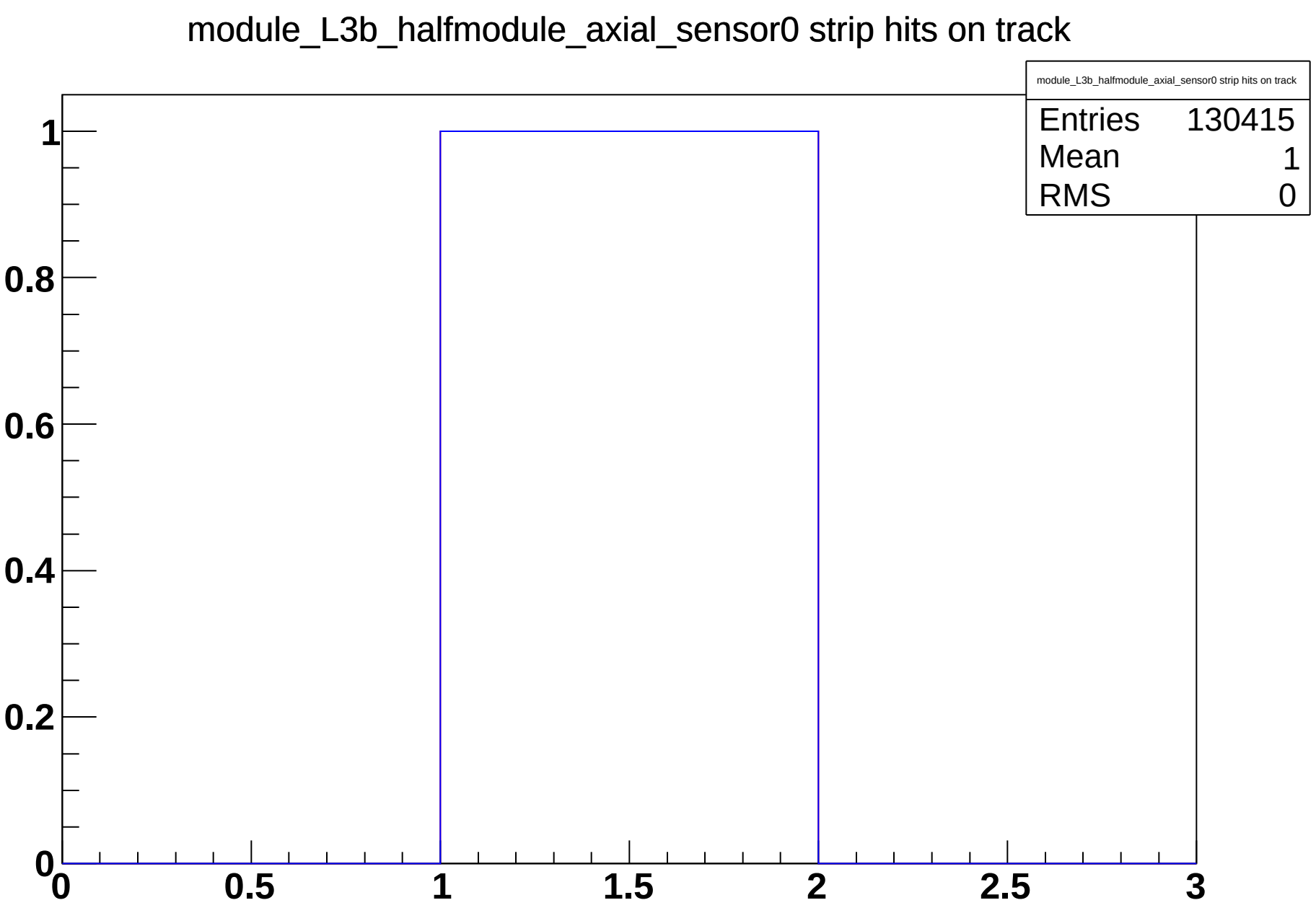

module_L2t_halfmodule_axial_sensor0 strip residual (mm)
module_L2t_halfmodule_axial_sensor0 strip residual (mm)
Entries 98901
Mean −0.02963
RMS 0.1293
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1

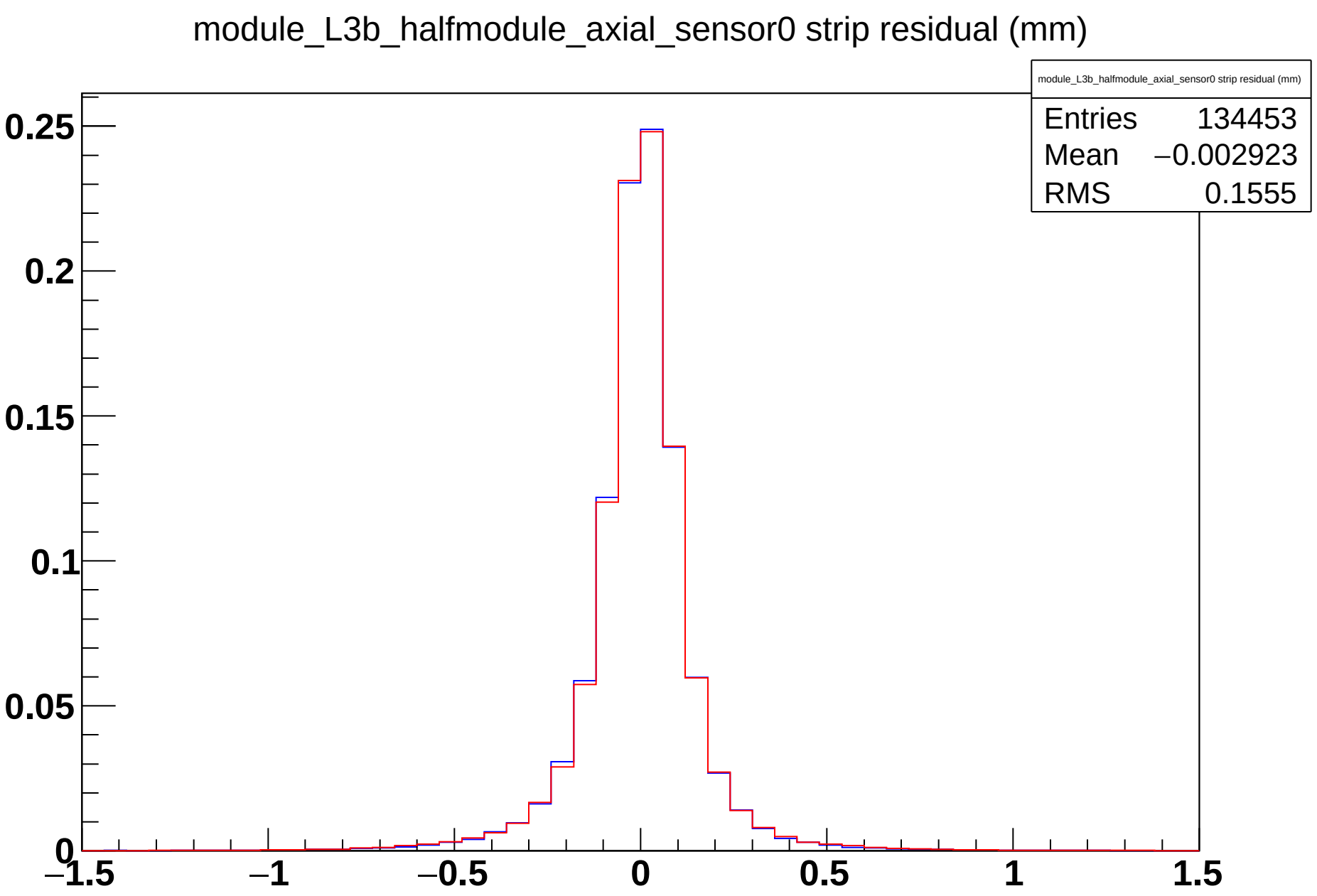

module_L2t_halfmodule_stereo_sensor0 strip hits
module_L2t_halfmodule_stereo_sensor0 strip hits
Entries 141273
Mean 0.8053
RMS 1.471
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

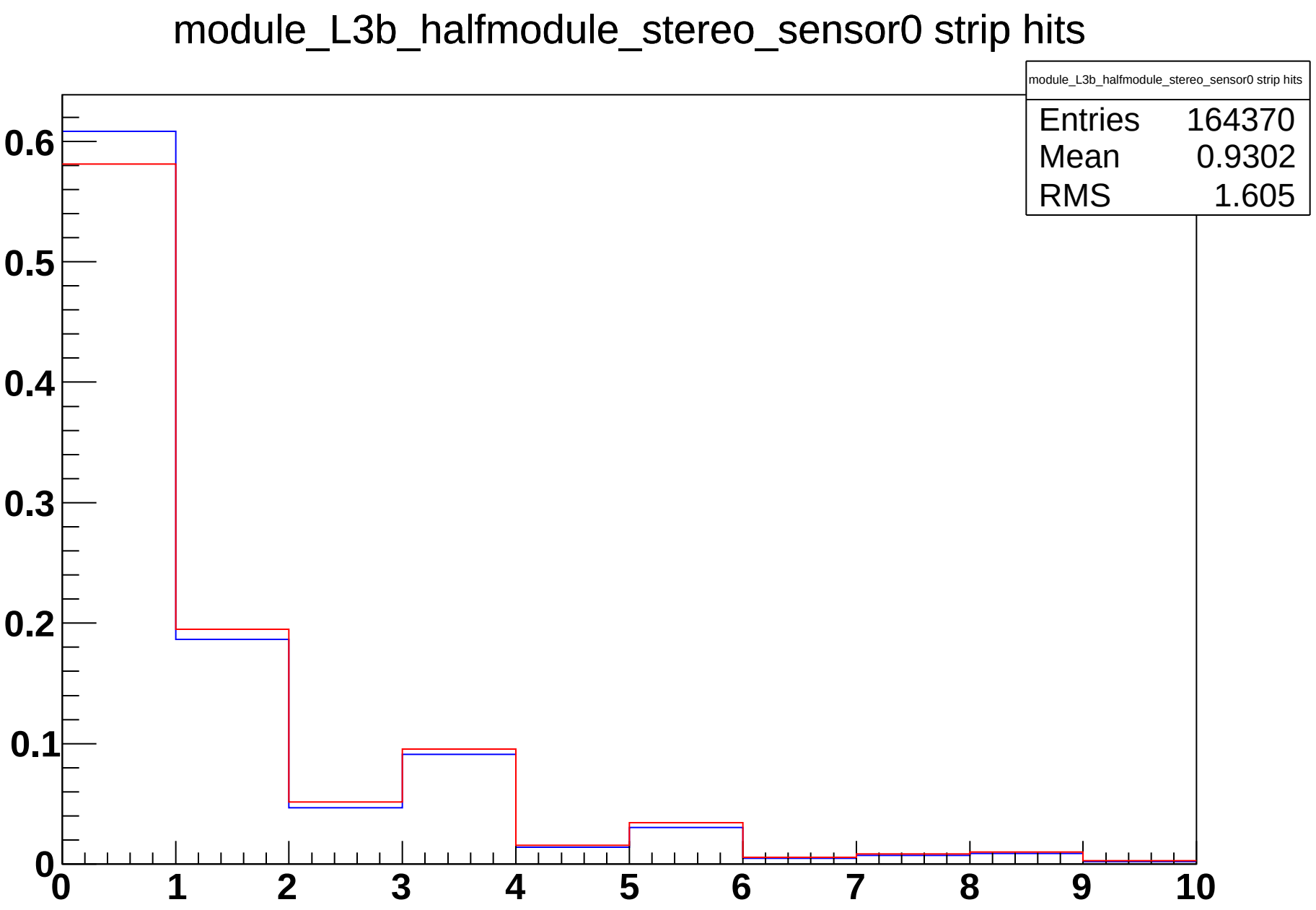

module_L2t_halfmodule_stereo_sensor0 strip hits on track
module_L2t_halfmodule_stereo_sensor0 strip hits on track
Entries 98953
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

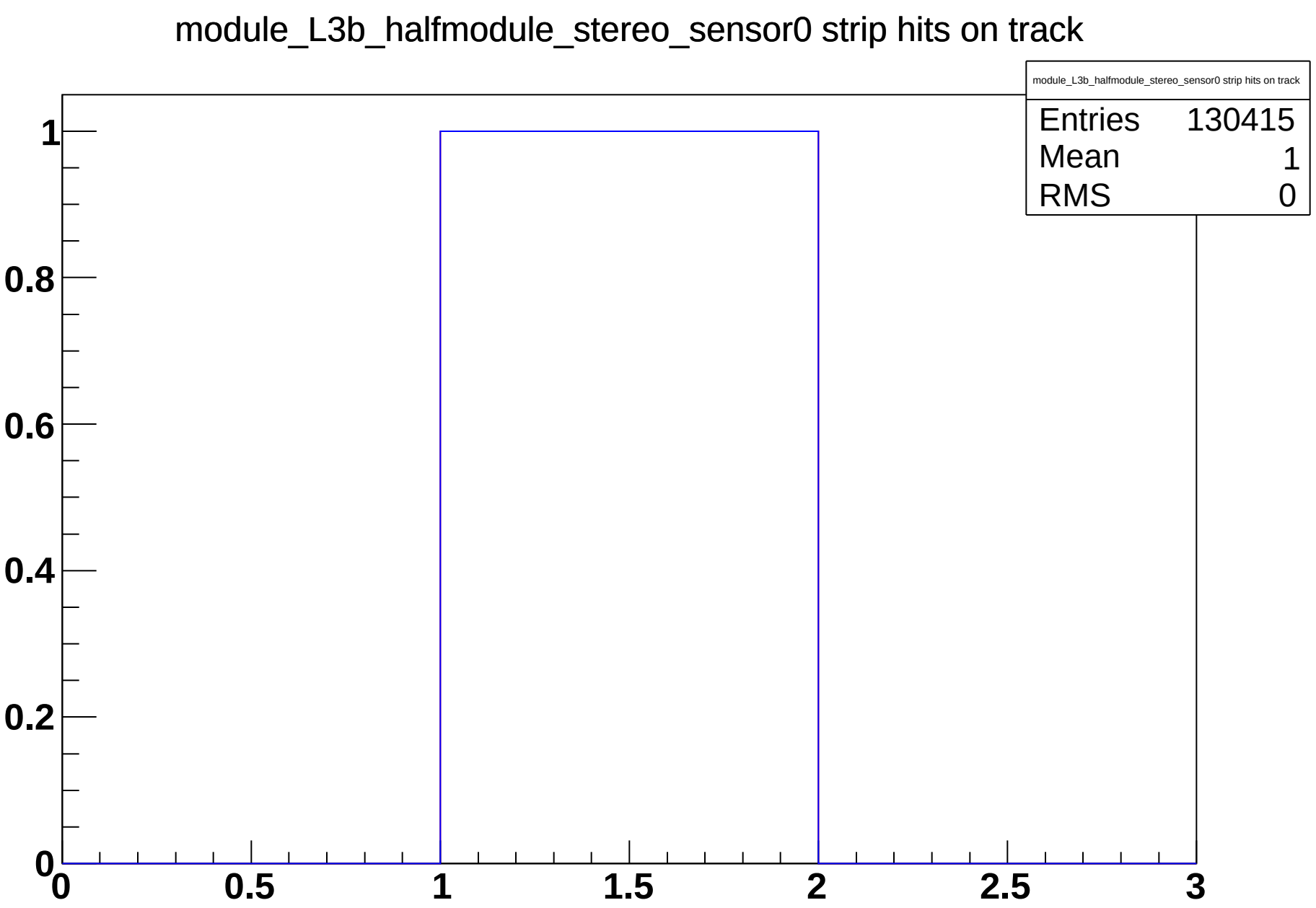

module_L2t_halfmodule_stereo_sensor0 strip residual (mm)
module_L2t_halfmodule_stereo_sensor0 strip residual (mm)
Entries 103083
Mean 0.0243
RMS 0.1267
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−1
−0.8
−0.6
−0.4
−0.2
0
0.2
0.4
0.6
0.8
1

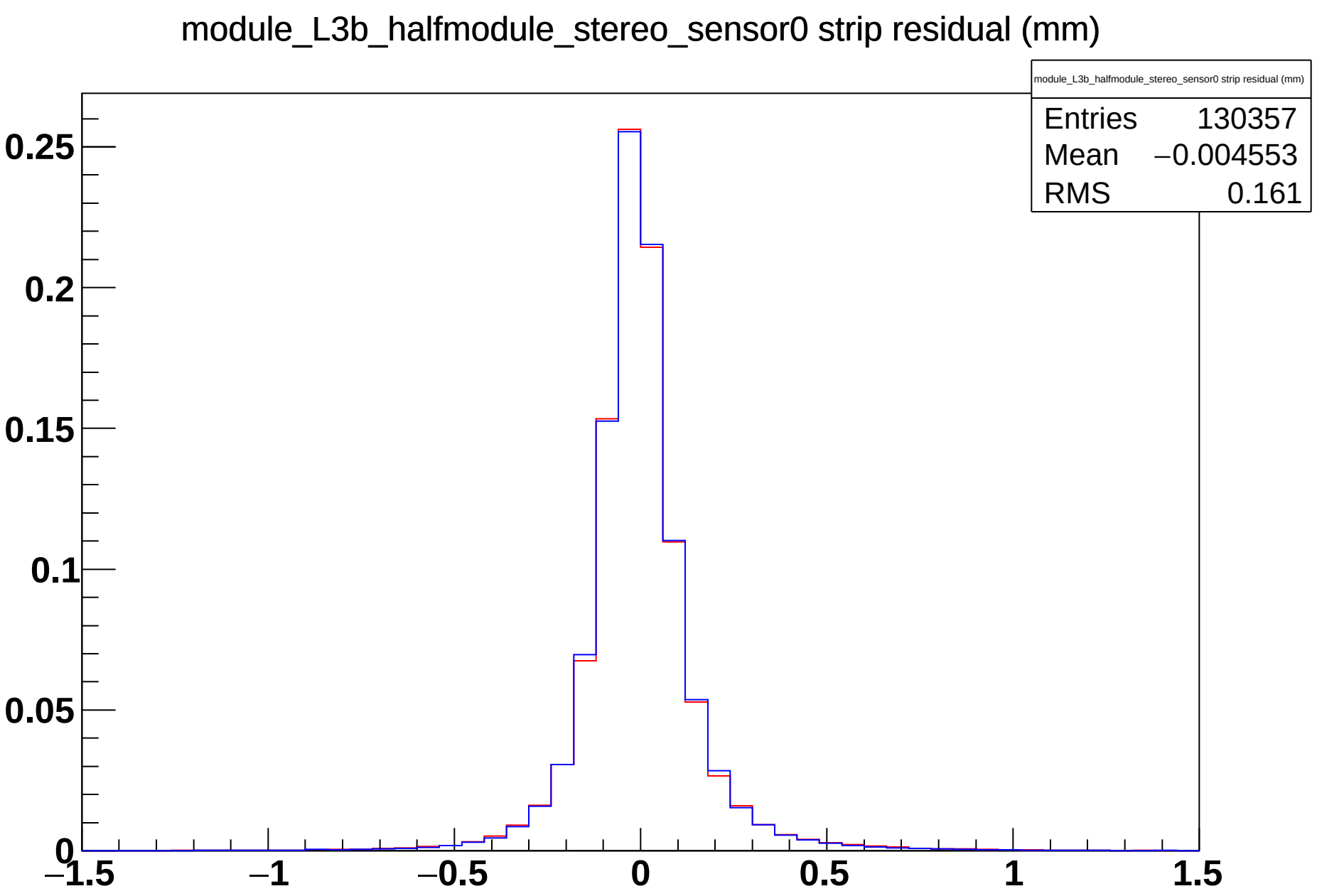

module_L3b_halfmodule_axial_sensor0 strip hits
module_L3b_halfmodule_axial_sensor0 strip hits
Entries 164370
Mean 0.9302
RMS 1.605
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

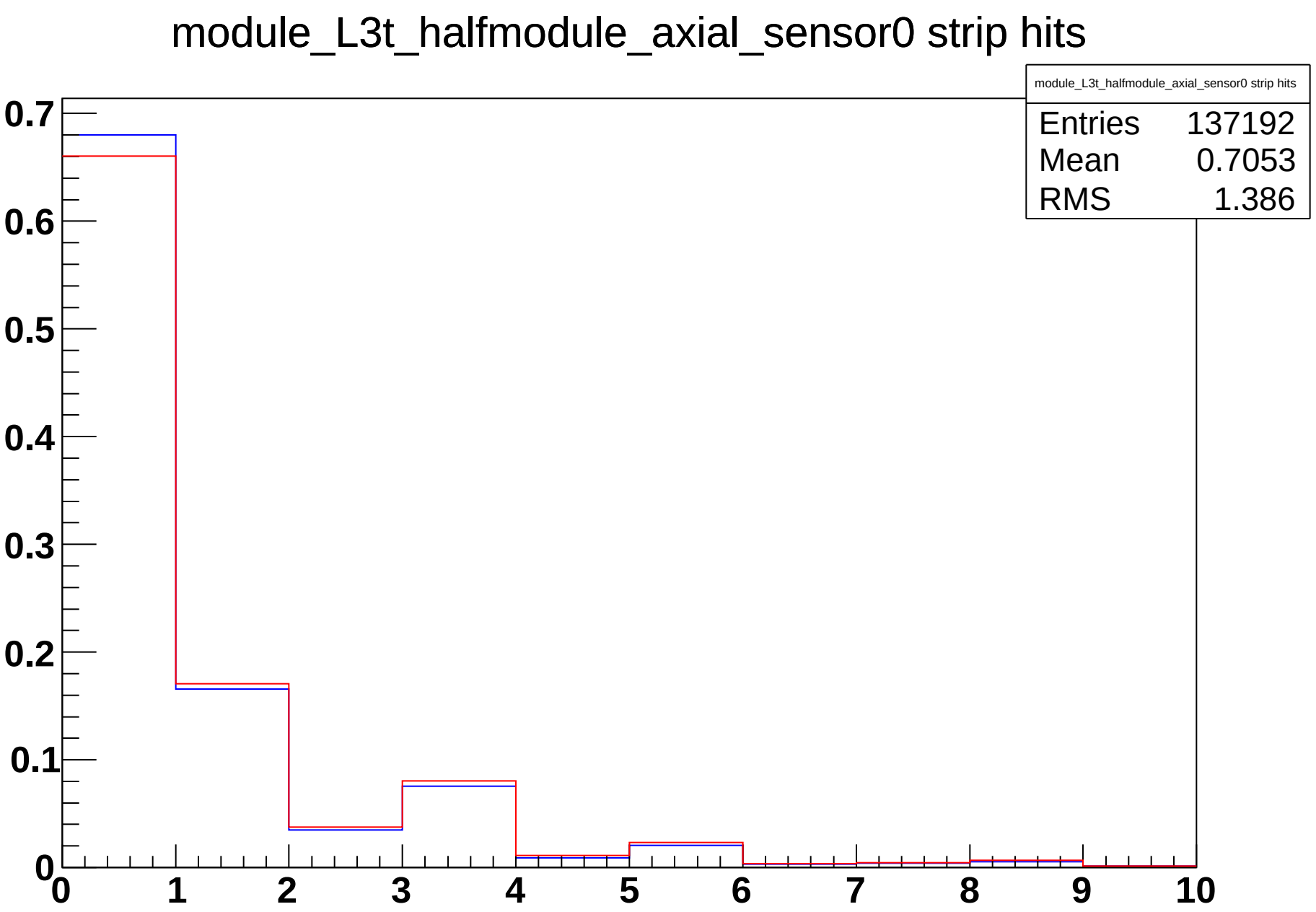

module_L3b_halfmodule_axial_sensor0 strip hits on track
module_L3b_halfmodule_axial_sensor0 strip hits on track
Entries 130415
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

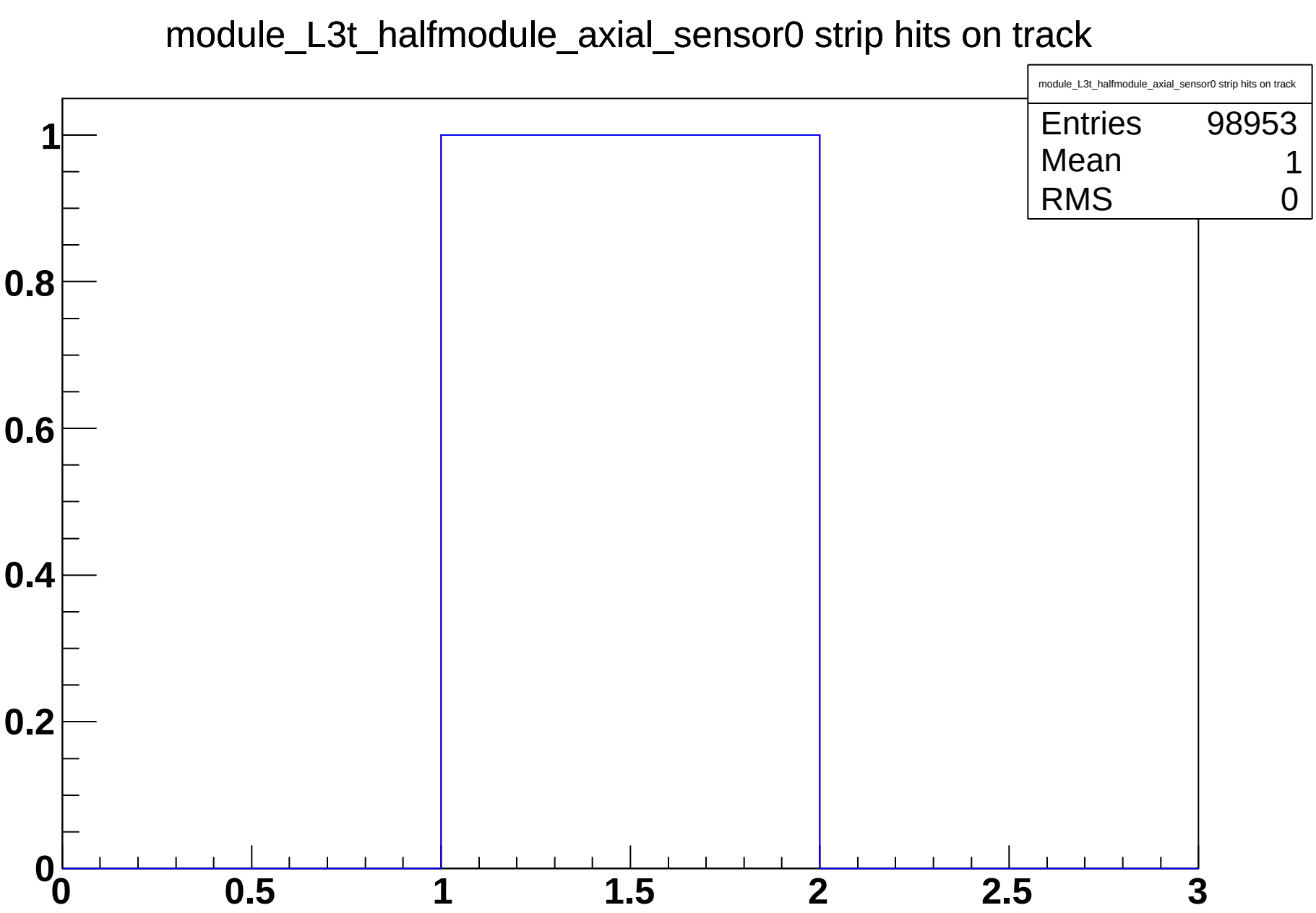

module_L3b_halfmodule_axial_sensor0 strip residual (mm)
module_L3b_halfmodule_axial_sensor0 strip residual (mm)
Entries 134453
Mean −0.002923
RMS 0.1555
0.25
0.2
0.15
0.1
0.05
0
−1.5
−1
−0.5
0
0.5
1
1.5

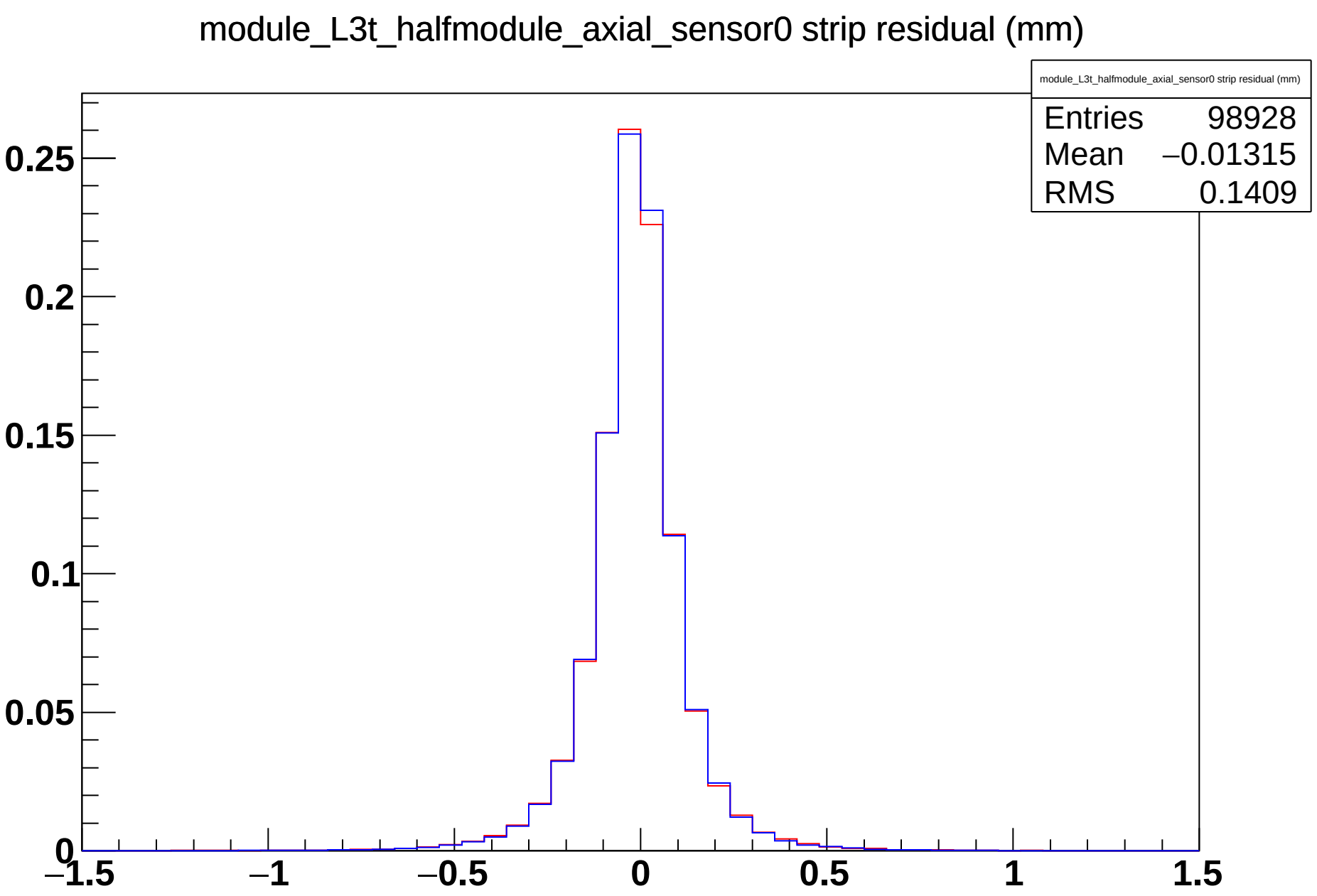

module_L3b_halfmodule_stereo_sensor0 strip hits
module_L3b_halfmodule_stereo_sensor0 strip hits
Entries 164370
Mean 0.9302
RMS 1.605
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

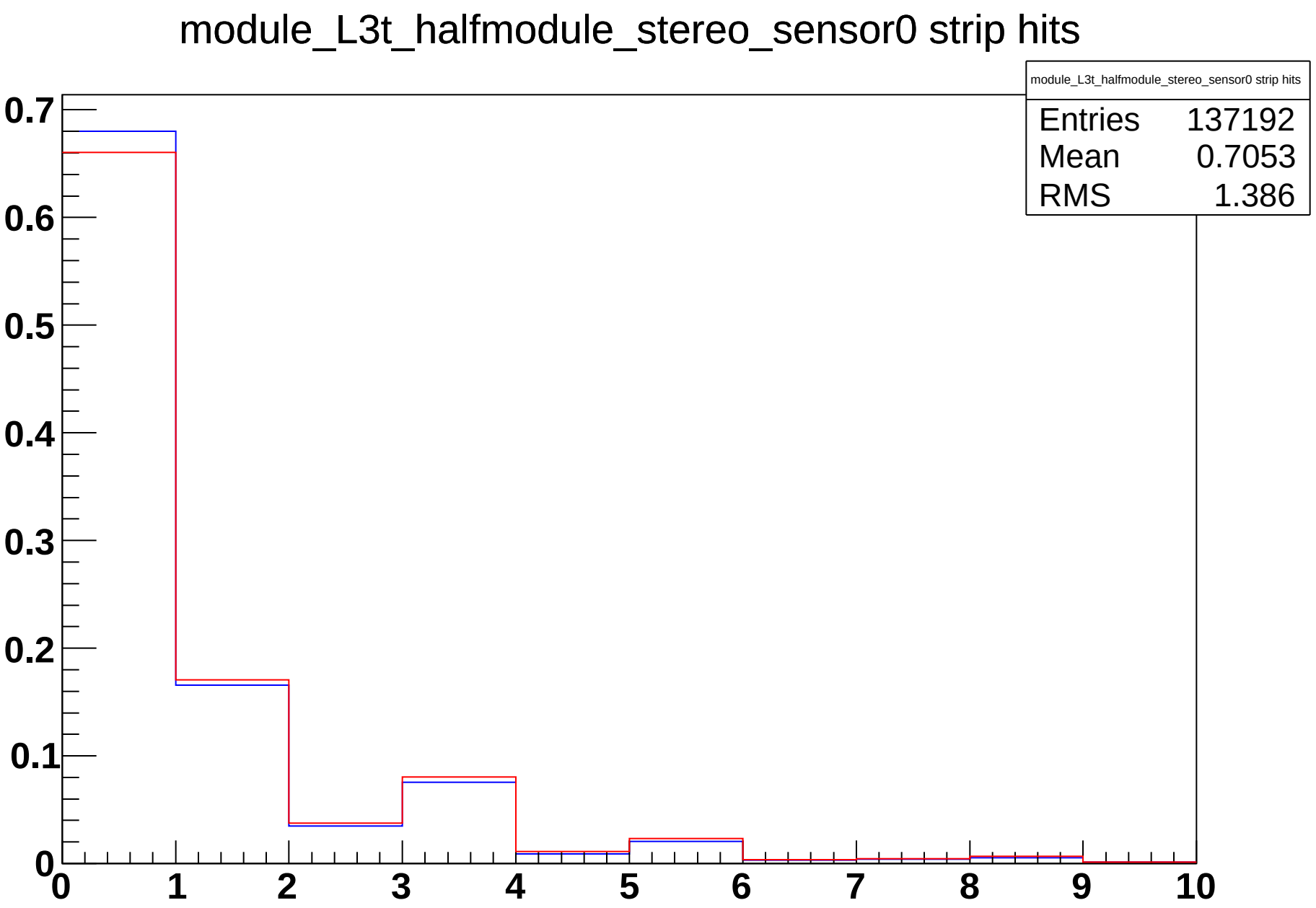

module_L3b_halfmodule_stereo_sensor0 strip hits on track
module_L3b_halfmodule_stereo_sensor0 strip hits on track
Entries 130415
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

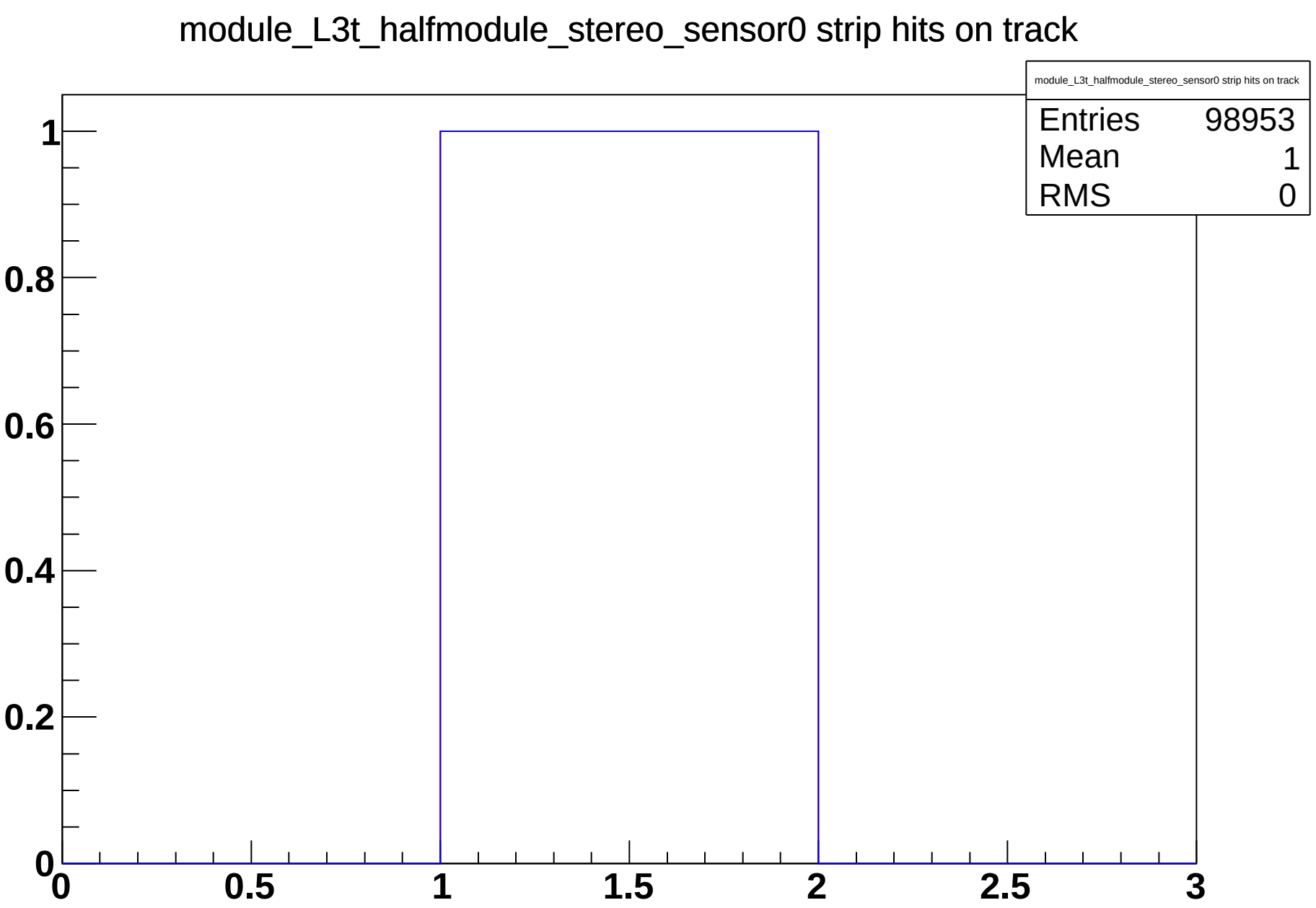

module_L3b_halfmodule_stereo_sensor0 strip residual (mm)
module_L3b_halfmodule_stereo_sensor0 strip residual (mm)
Entries 130357
Mean −0.004553
RMS 0.161
0.25
0.2
0.15
0.1
0.05
0
−1.5
−1
−0.5
0
0.5
1
1.5

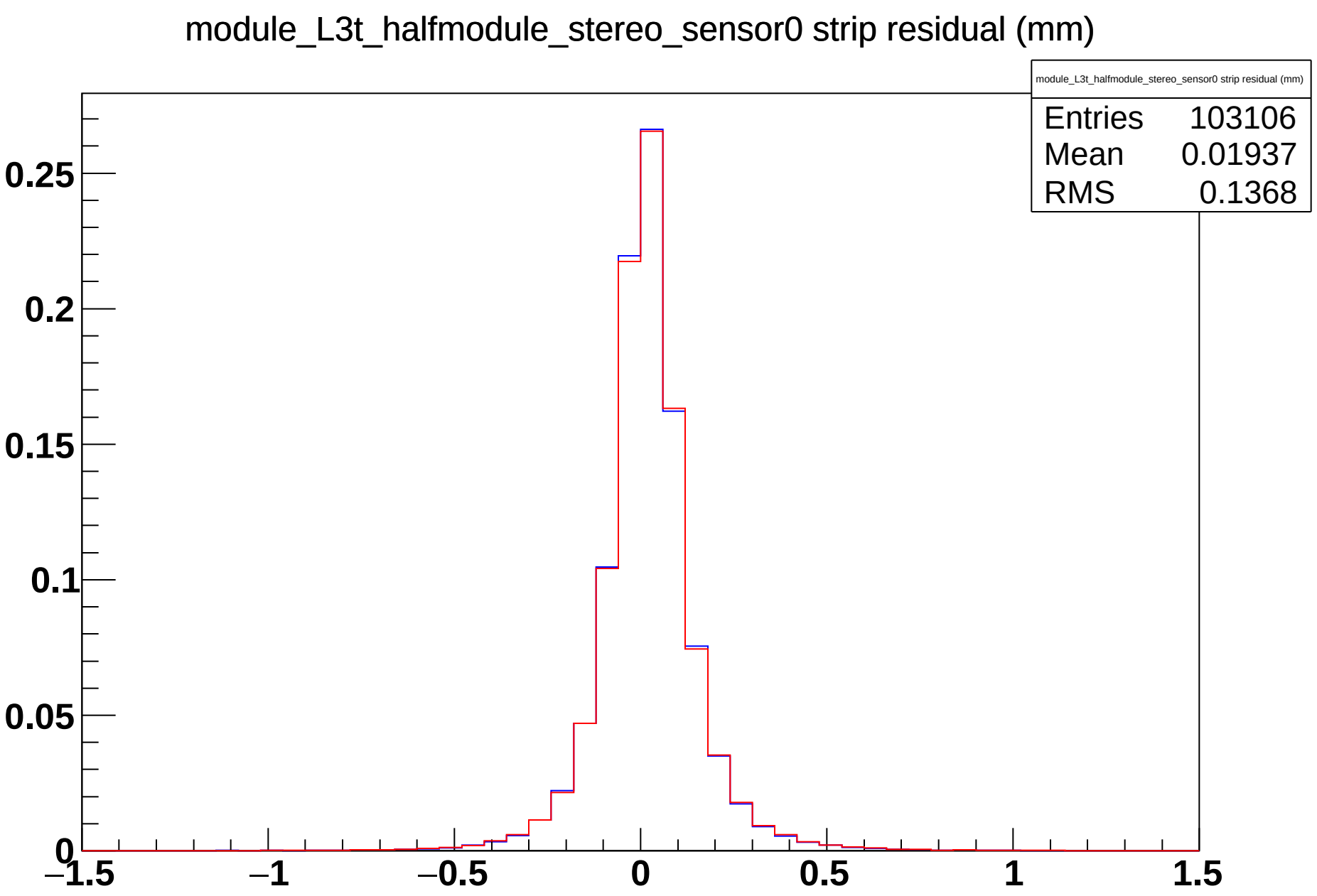

module_L3t_halfmodule_axial_sensor0 strip hits
module_L3t_halfmodule_axial_sensor0 strip hits
Entries 137192
Mean 0.7053
RMS 1.386
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

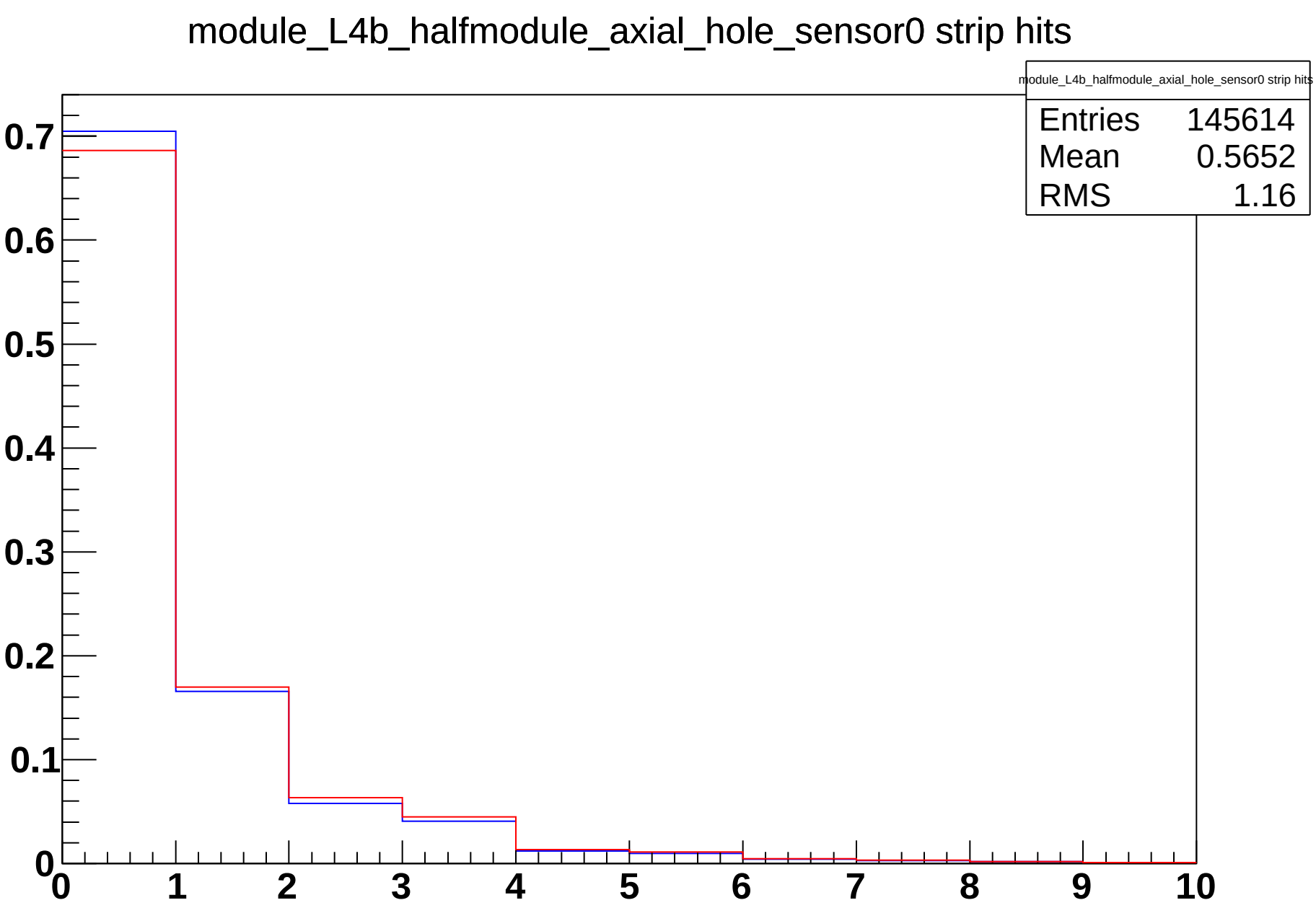

module_L3t_halfmodule_axial_sensor0 strip hits on track
module_L3t_halfmodule_axial_sensor0 strip hits on track
Entries 98953
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

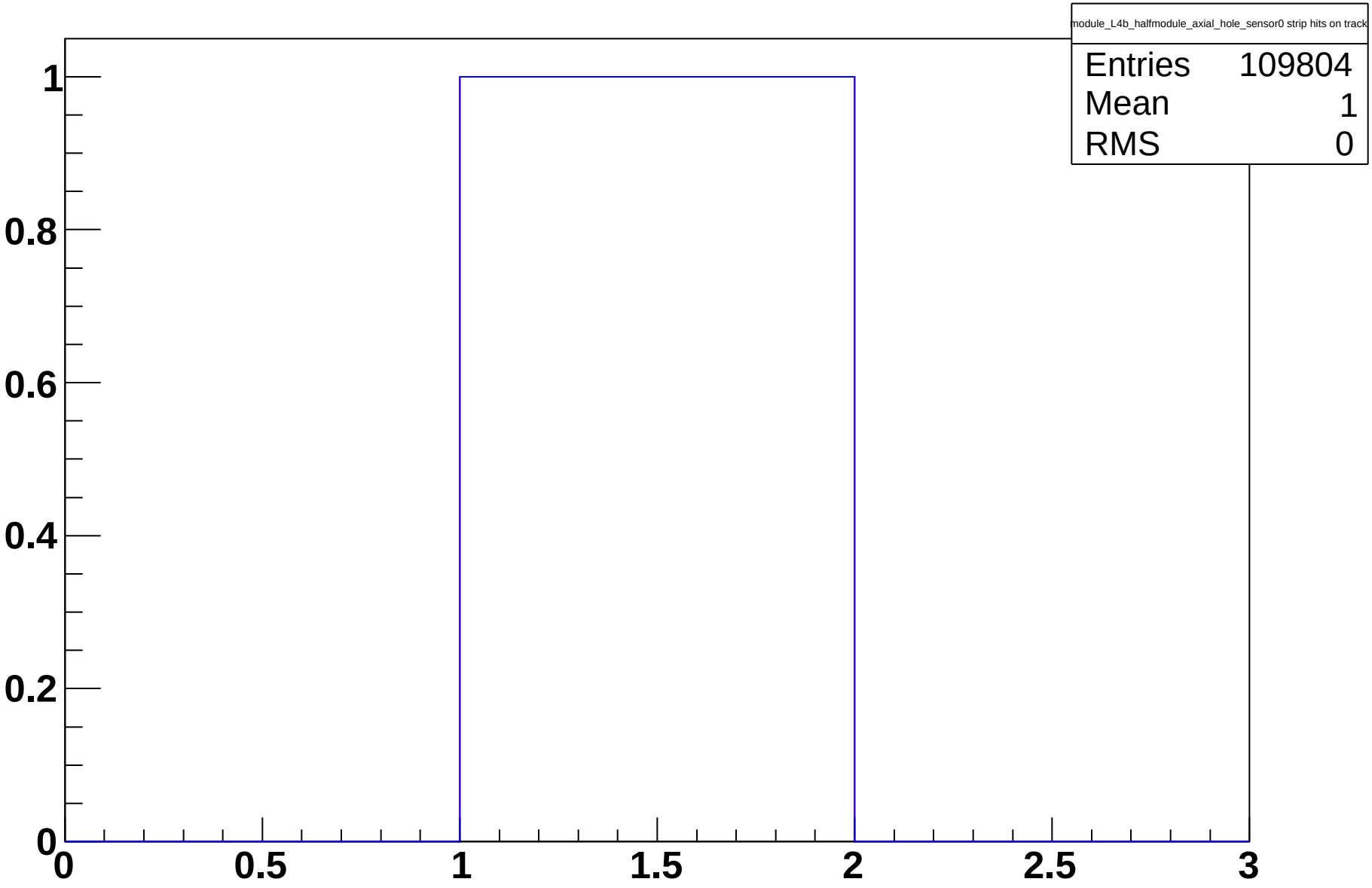

module_L3t_halfmodule_axial_sensor0 strip residual (mm)
module_L3t_halfmodule_axial_sensor0 strip residual (mm)
Entries 98928
Mean –0.01315
RMS 0.1409
0.25
0.2
0.15
0.1
0.05
0
–1.5
–1
–0.5
0
0.5
1
1.5

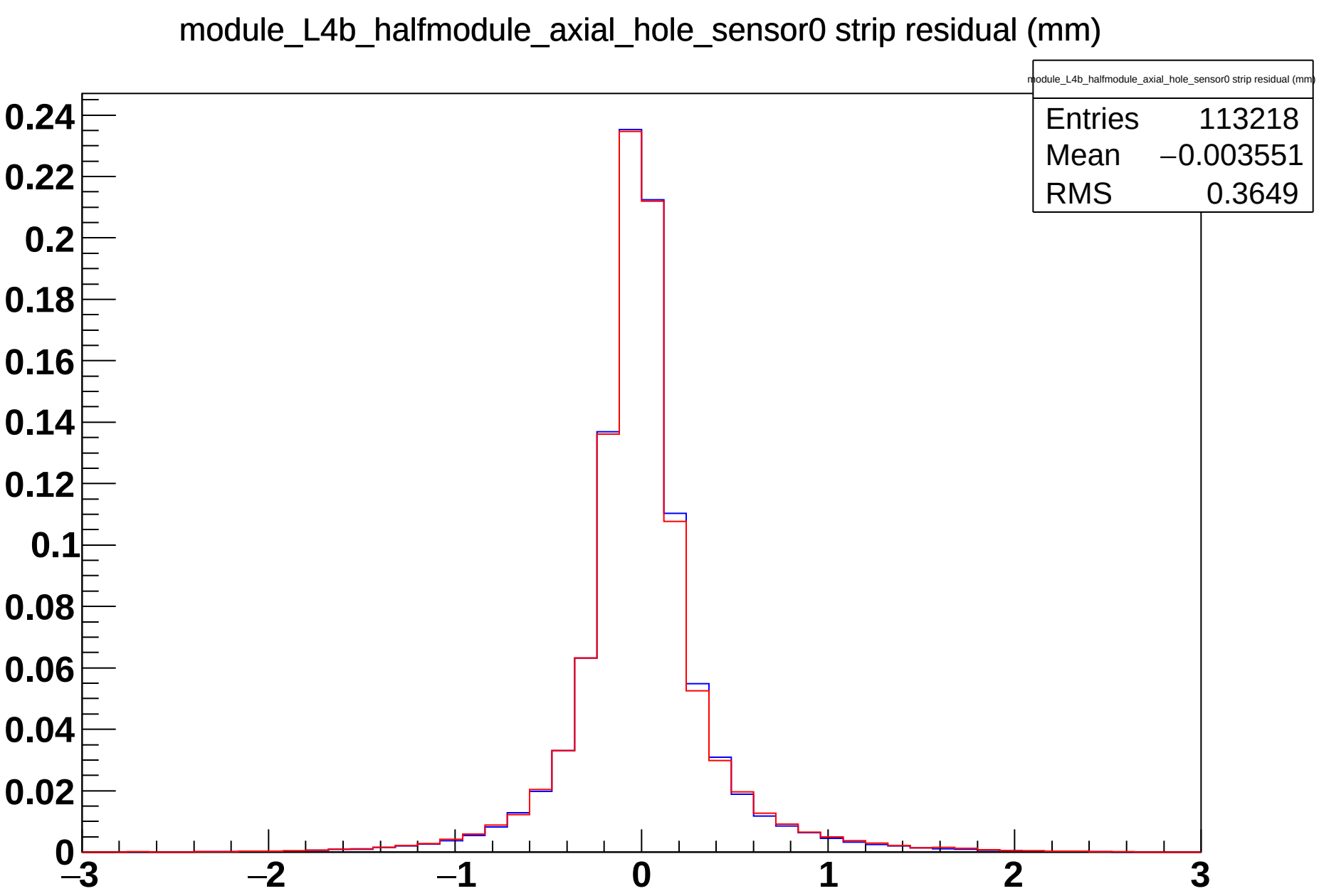

module_L3t_halfmodule_stereo_sensor0 strip hits
module_L3t_halfmodule_stereo_sensor0 strip hits
Entries 137192
Mean 0.7053
RMS 1.386
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

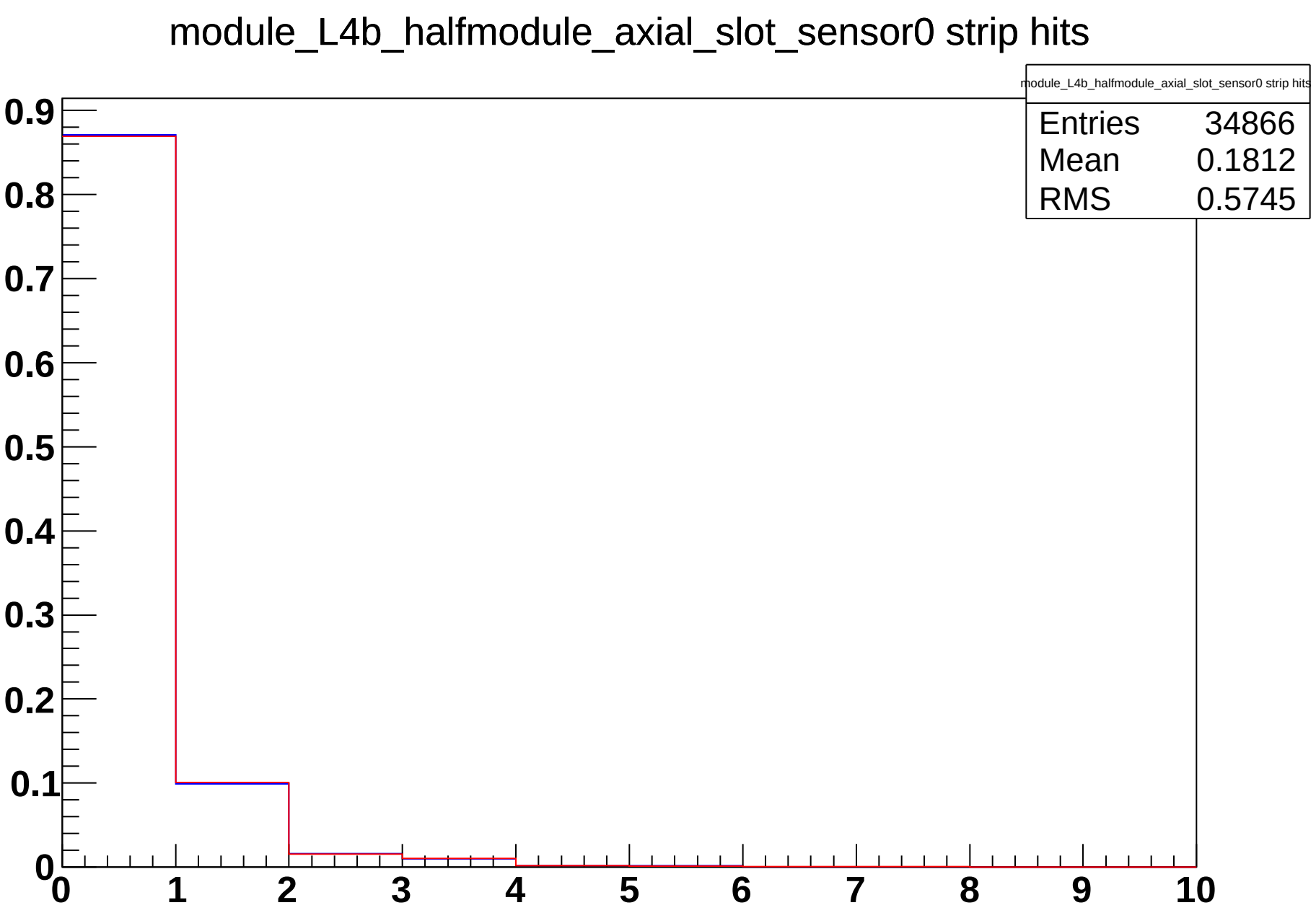

module_L3t_halfmodule_stereo_sensor0 strip hits on track
module_L3t_halfmodule_stereo_sensor0 strip hits on track
Entries 98953
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

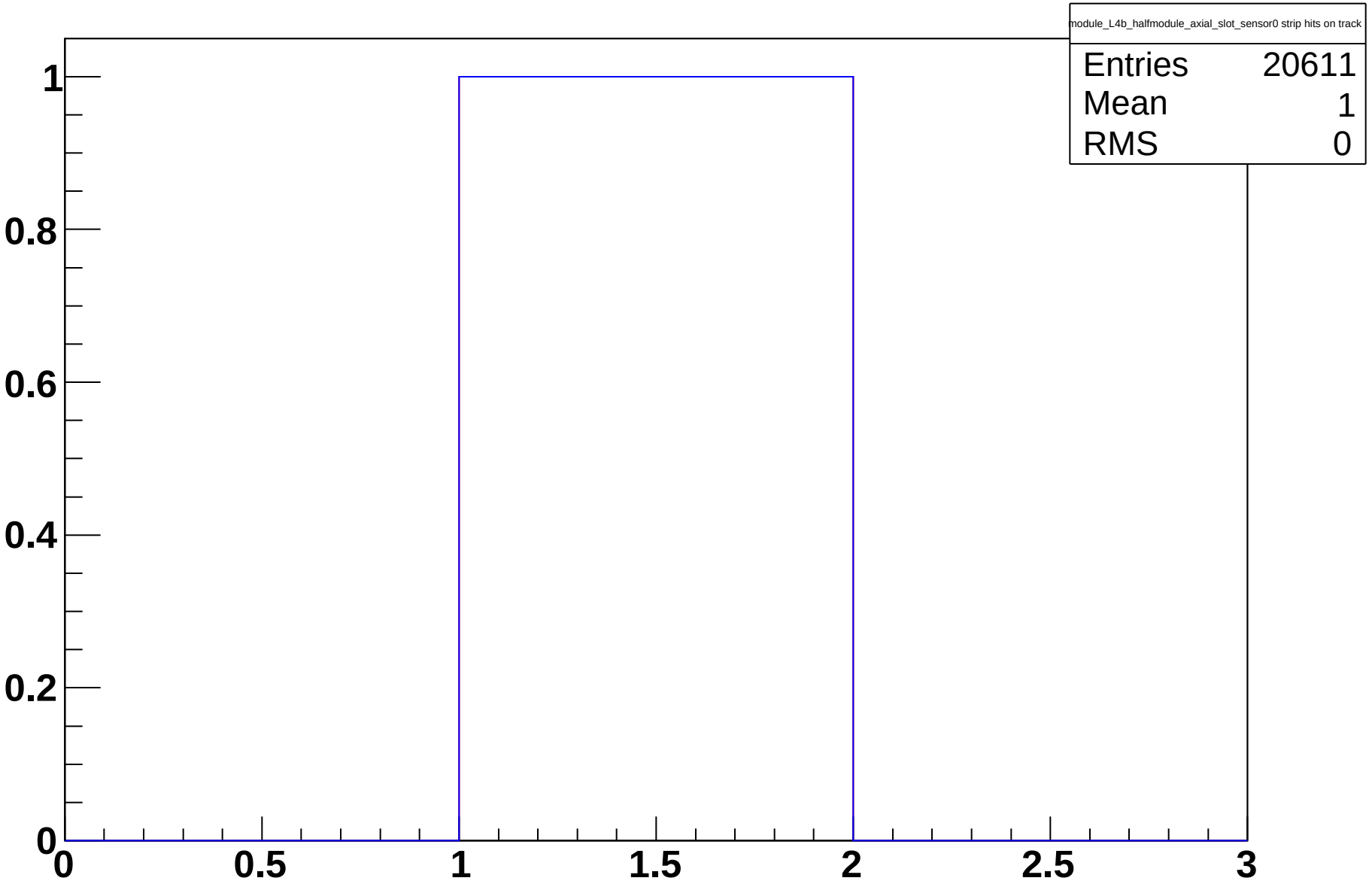

module_L3t_halfmodule_stereo_sensor0 strip residual (mm)
module_L3t_halfmodule_stereo_sensor0 strip residual (mm)
Entries 103106
Mean 0.01937
RMS 0.1368
0.25
0.2
0.15
0.1
0.05
0
–1.5
–1
–0.5
0
0.5
1
1.5

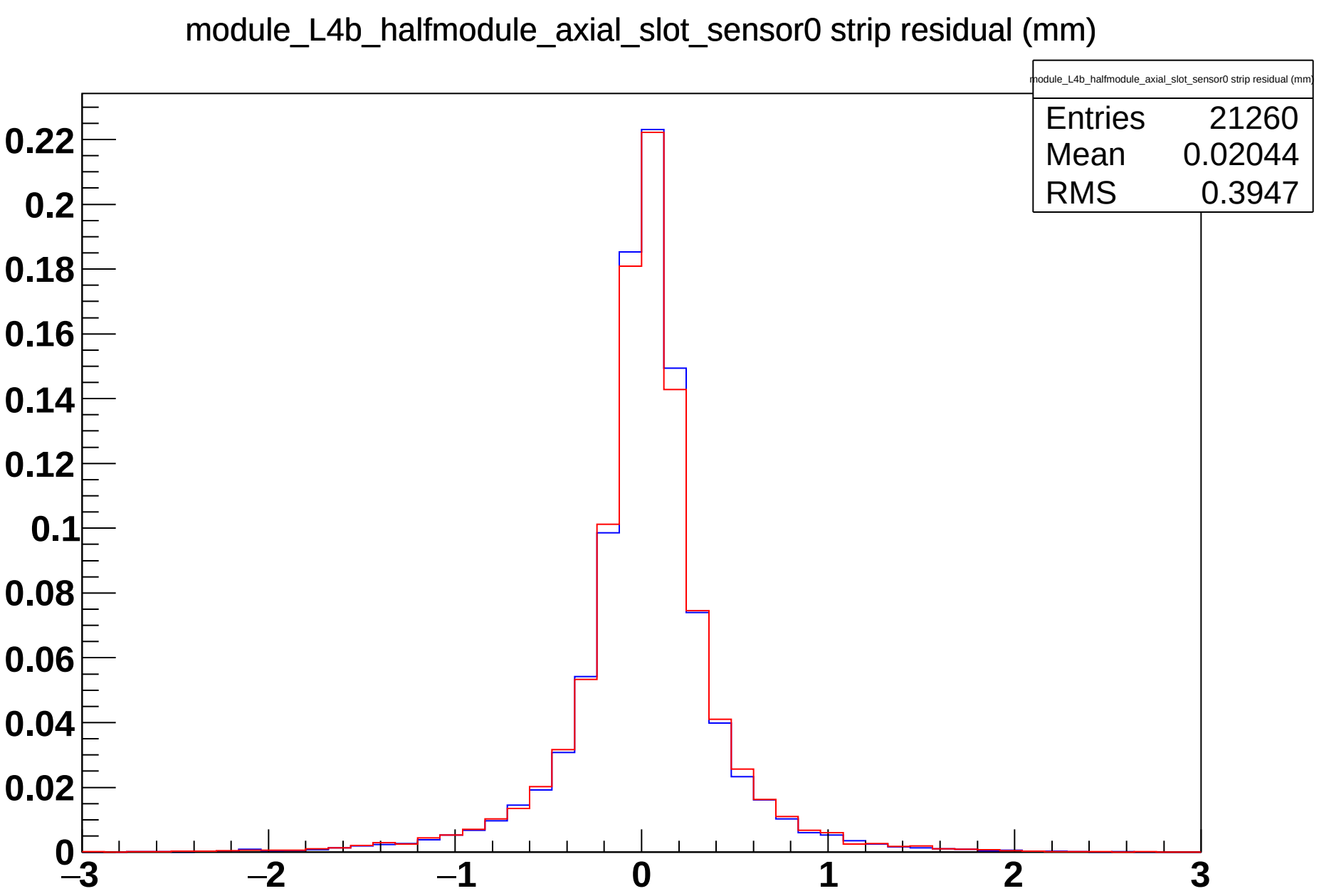

module_L4b_halfmodule_axial_hole_sensor0 strip hits
module_L4b_halfmodule_axial_hole_sensor0 strip hits
Entries 145614
Mean 0.5652
RMS 1.16
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

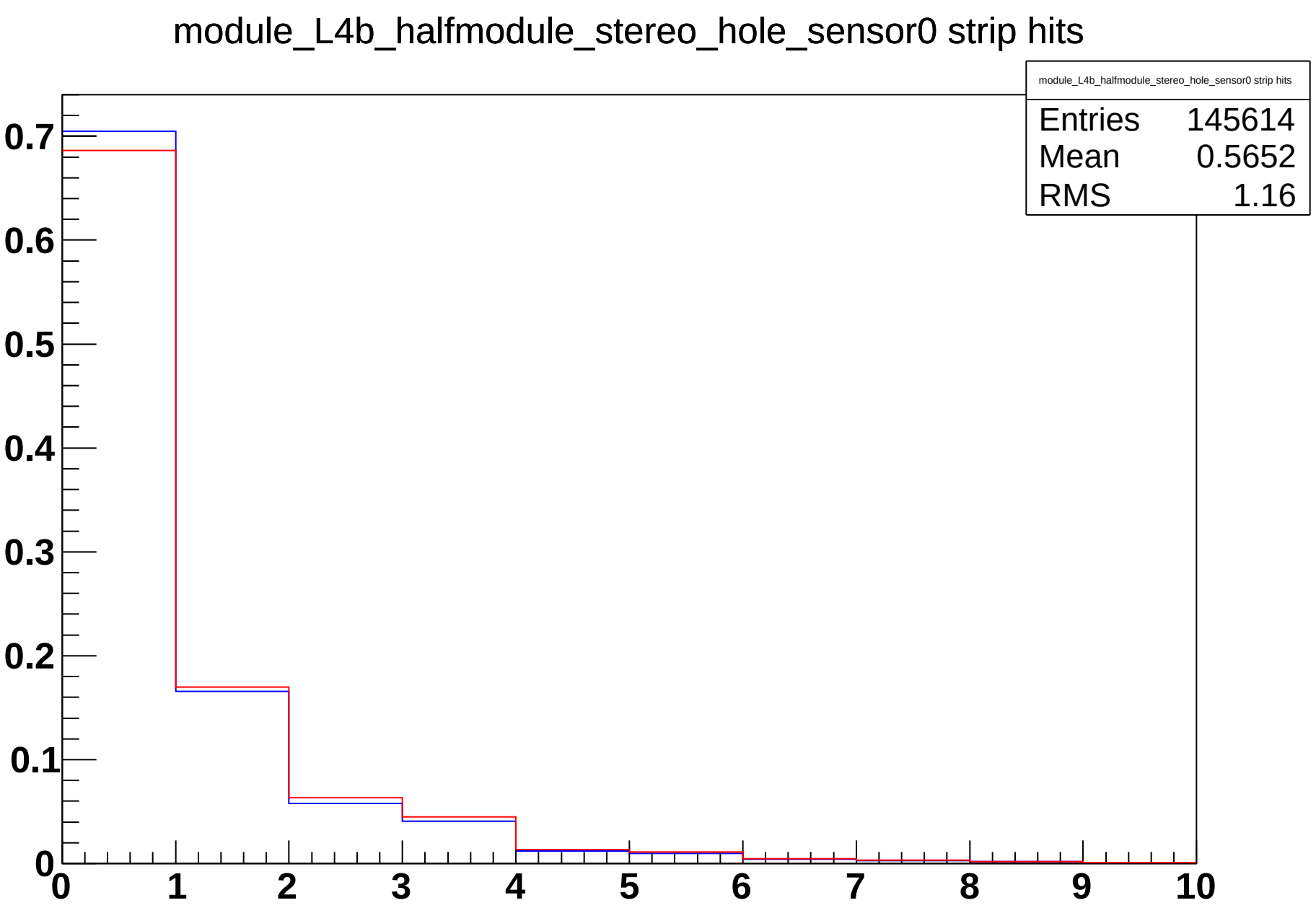

module_L4b_halfmodule_axial_hole_sensor0 strip hits on track
module_L4b_halfmodule_axial_hole_sensor0 strip hits on track
Entries 109804
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

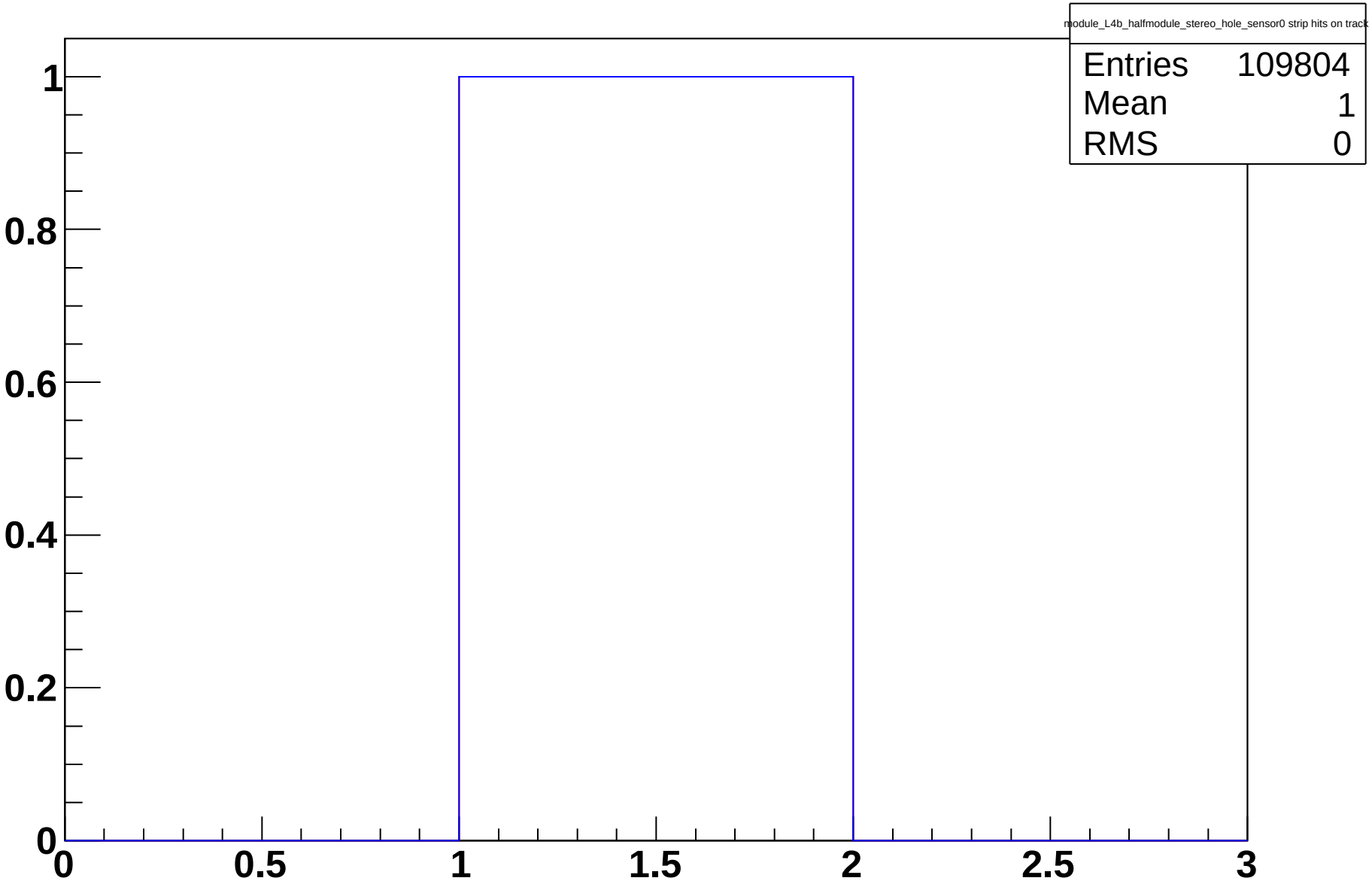

module_L4b_halfmodule_axial_hole_sensor0 strip residual (mm)
module_L4b_halfmodule_axial_hole_sensor0 strip residual (mm)
Entries 113218
Mean −0.003551
RMS 0.3649
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−3
−2
−1
0
1
2
3

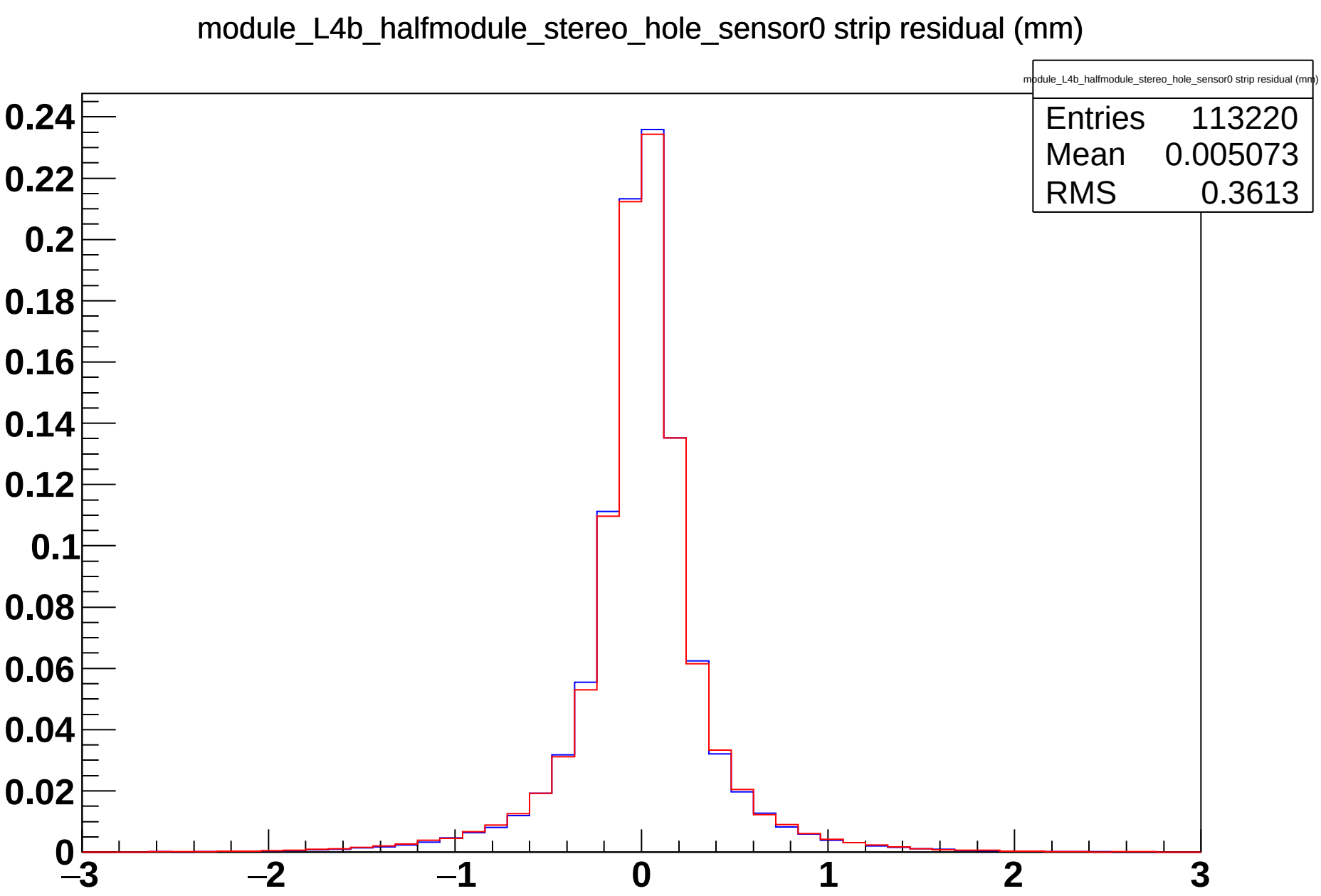

module_L4b_halfmodule_axial_slot_sensor0 strip hits
module_L4b_halfmodule_axial_slot_sensor0 strip hits
Entries 34866
Mean 0.1812
RMS 0.5745
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

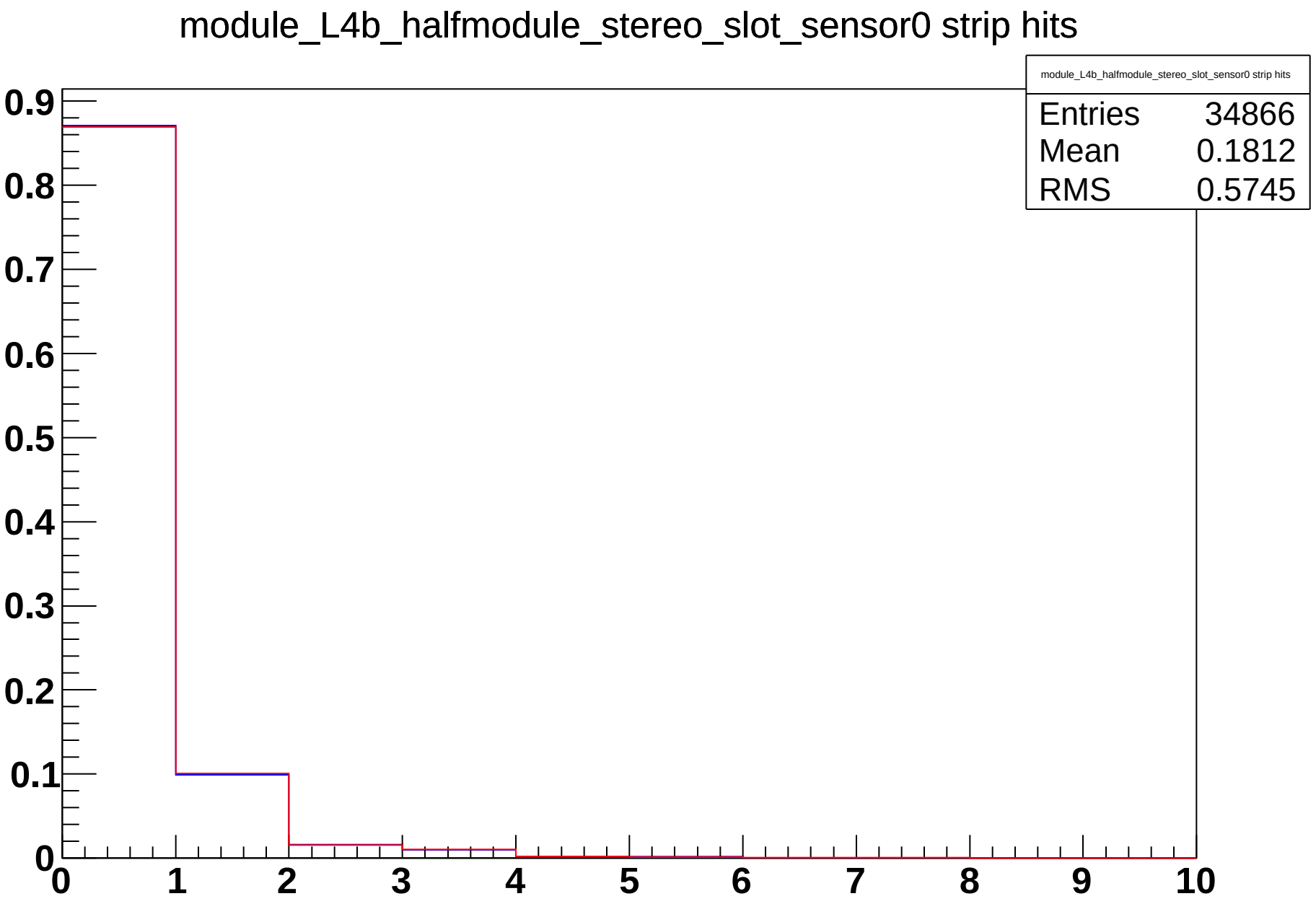

module_L4b_halfmodule_axial_slot_sensor0 strip hits on track
module_L4b_halfmodule_axial_slot_sensor0 strip hits on track
Entries 20611
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

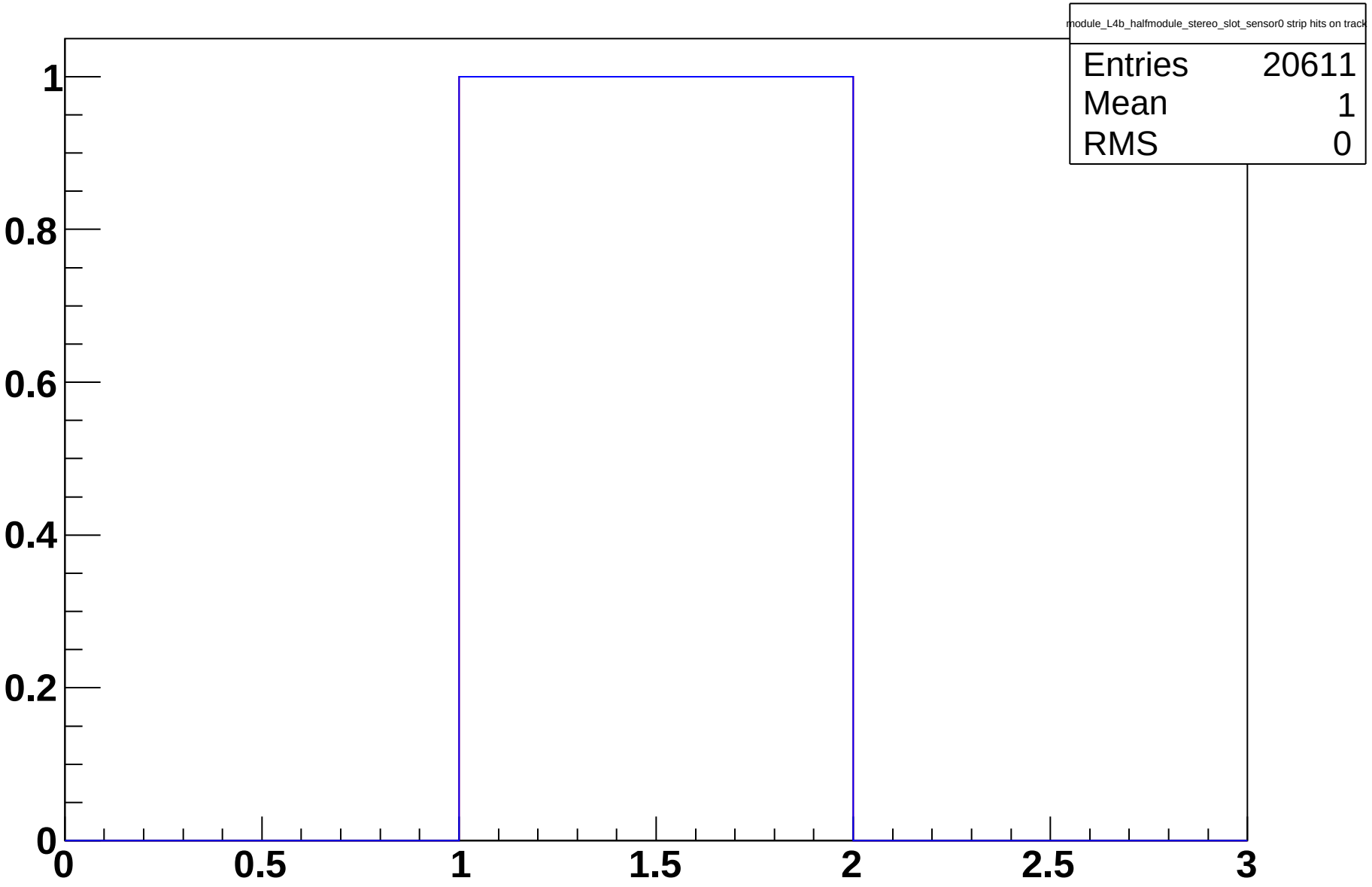

module_L4b_halfmodule_axial_slot_sensor0 strip residual (mm)
module_L4b_halfmodule_axial_slot_sensor0 strip residual (mm)
Entries 21260
Mean 0.02044
RMS 0.3947
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

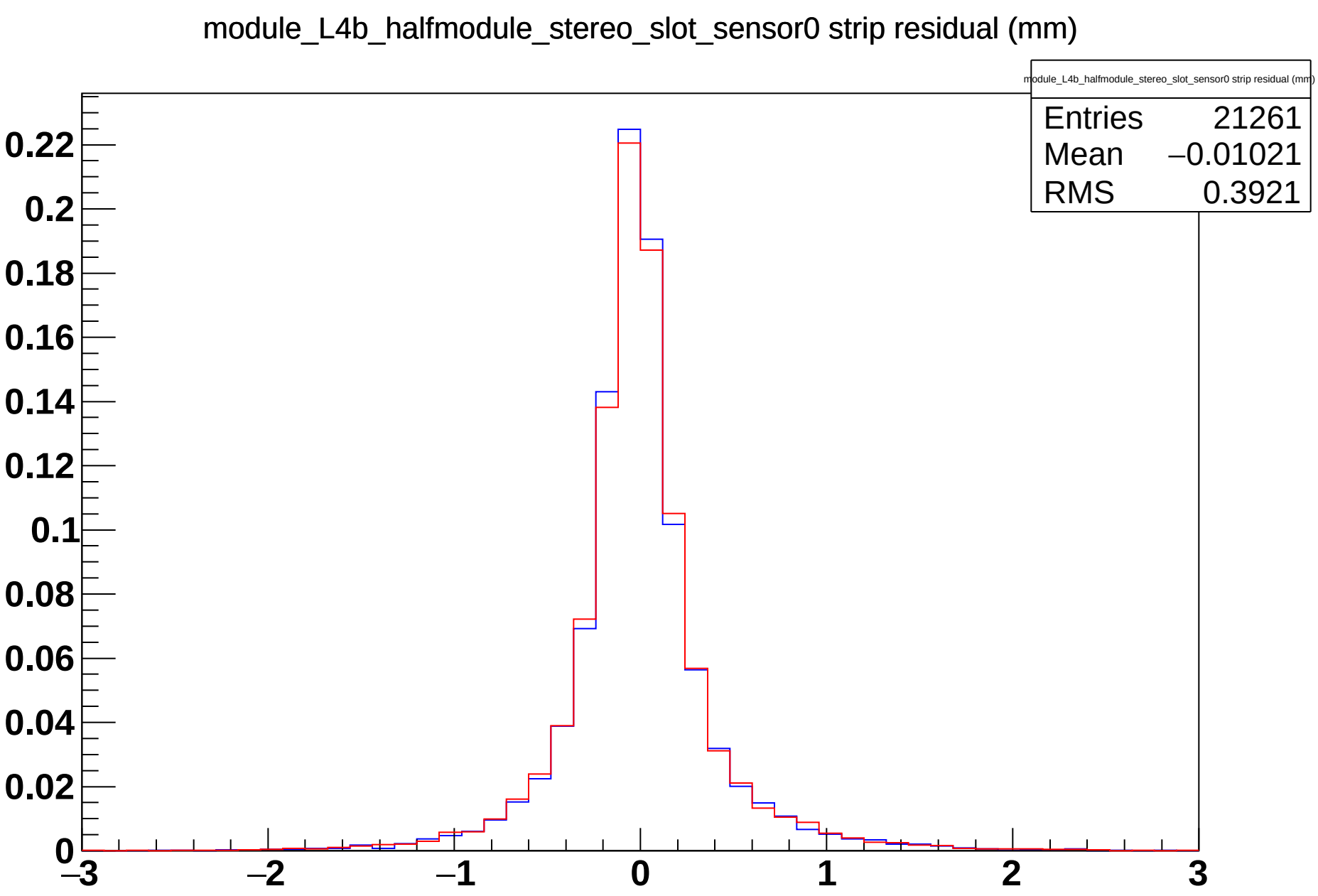

module_L4b_halfmodule_stereo_hole_sensor0 strip hits
module_L4b_halfmodule_stereo_hole_sensor0 strip hits
Entries 145614
Mean 0.5652
RMS 1.16
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
8
9
10

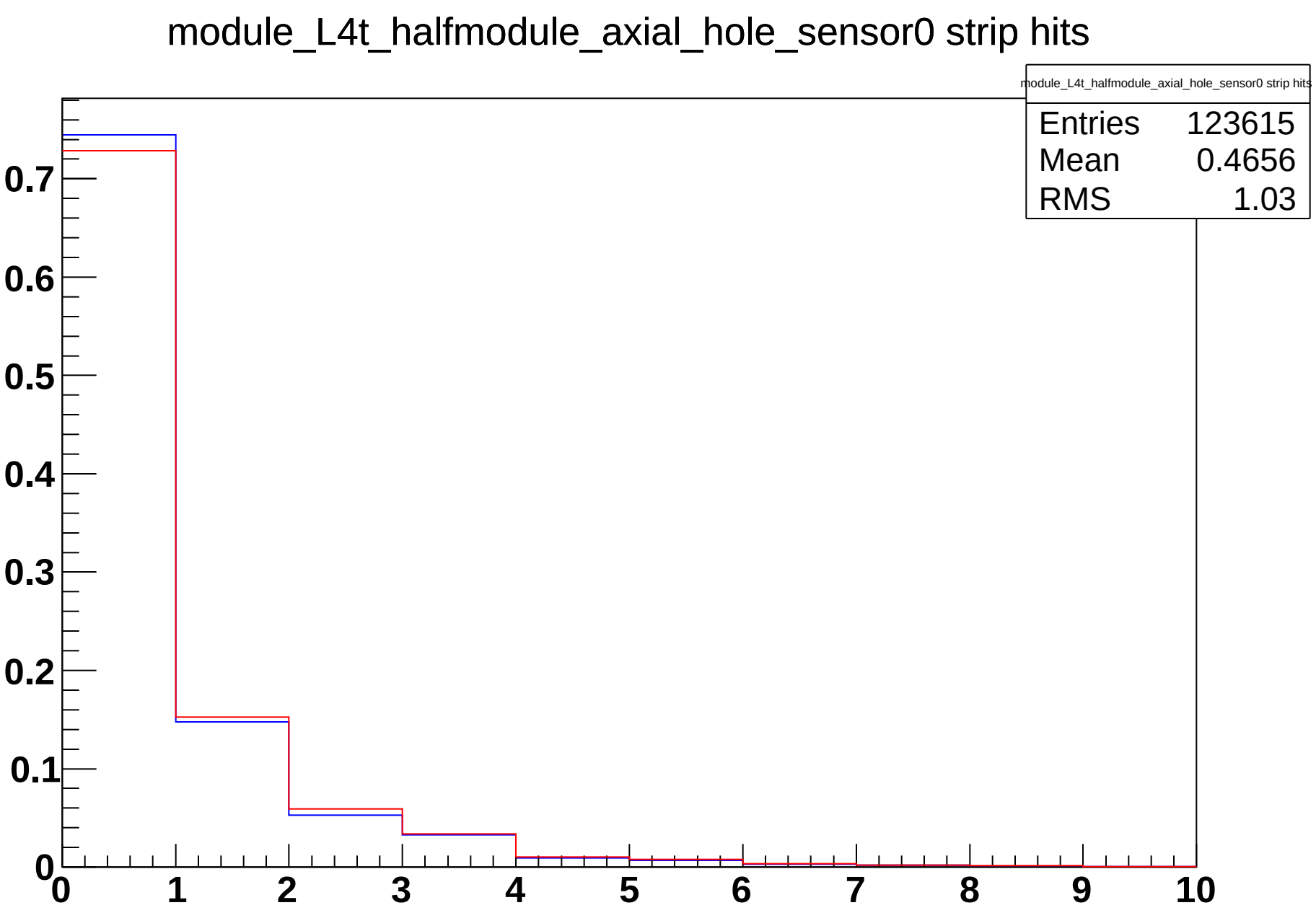

module_L4b_halfmodule_stereo_hole_sensor0 strip hits on track
module_L4b_halfmodule_stereo_hole_sensor0 strip hits on track
Entries 109804
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

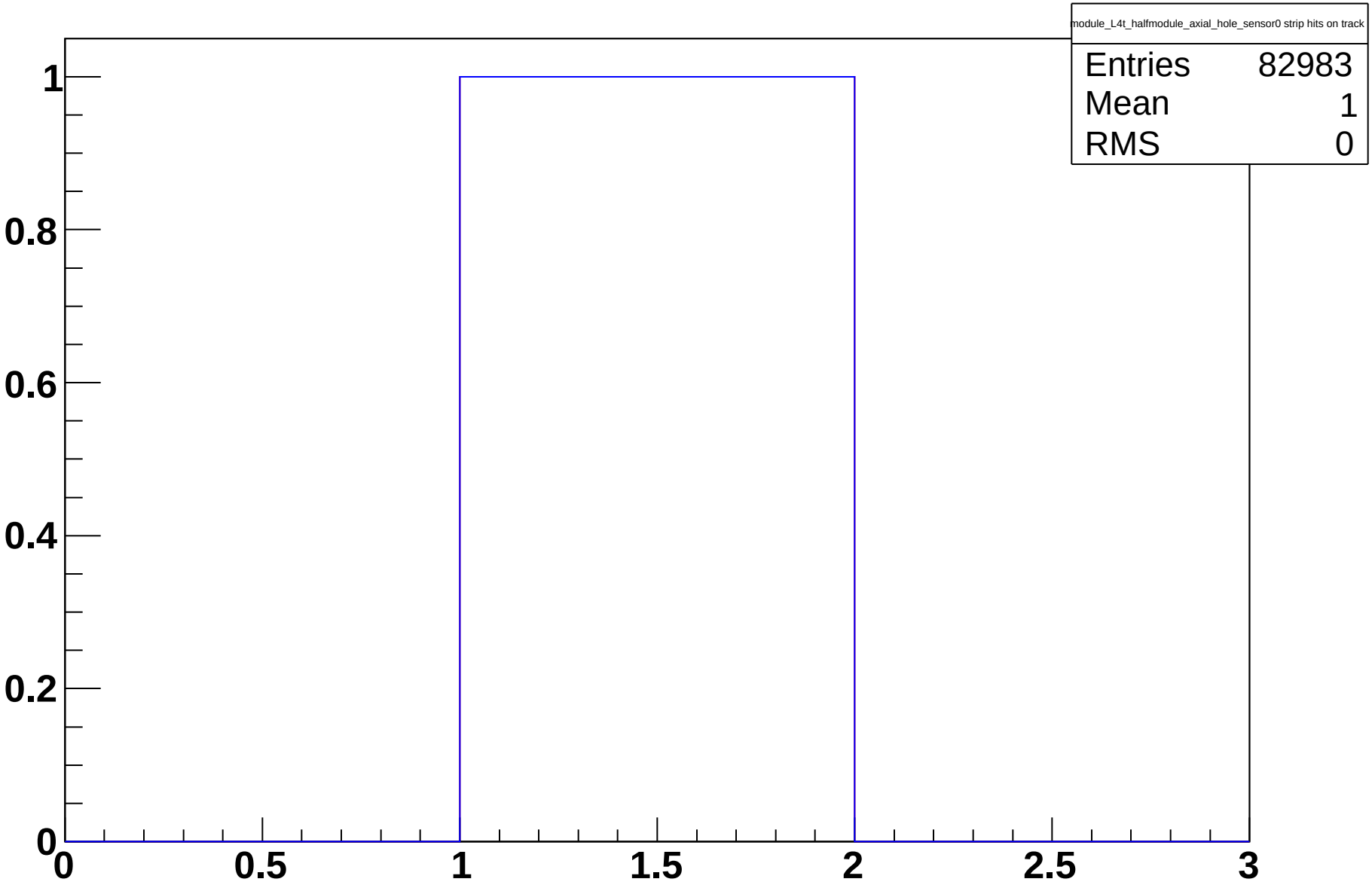

module_L4b_halfmodule_stereo_hole_sensor0 strip residual (mm)
module_L4b_halfmodule_stereo_hole_sensor0 strip residual (mm)
Entries 113220
Mean 0.005073
RMS 0.3613
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

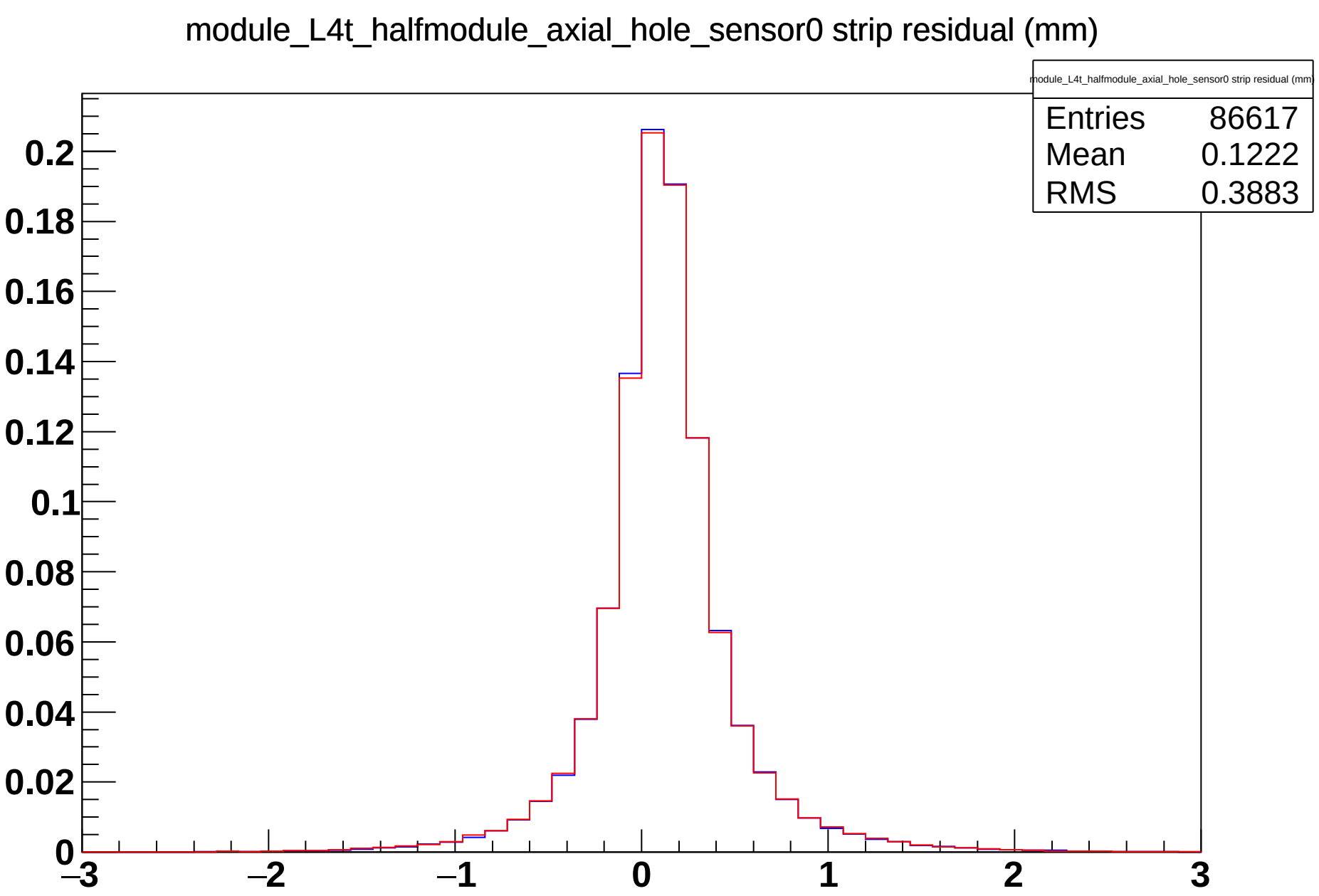

module_L4b_halfmodule_stereo_slot_sensor0 strip hits
module_L4b_halfmodule_stereo_slot_sensor0 strip hits
Entries 34866
Mean 0.1812
RMS 0.5745
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

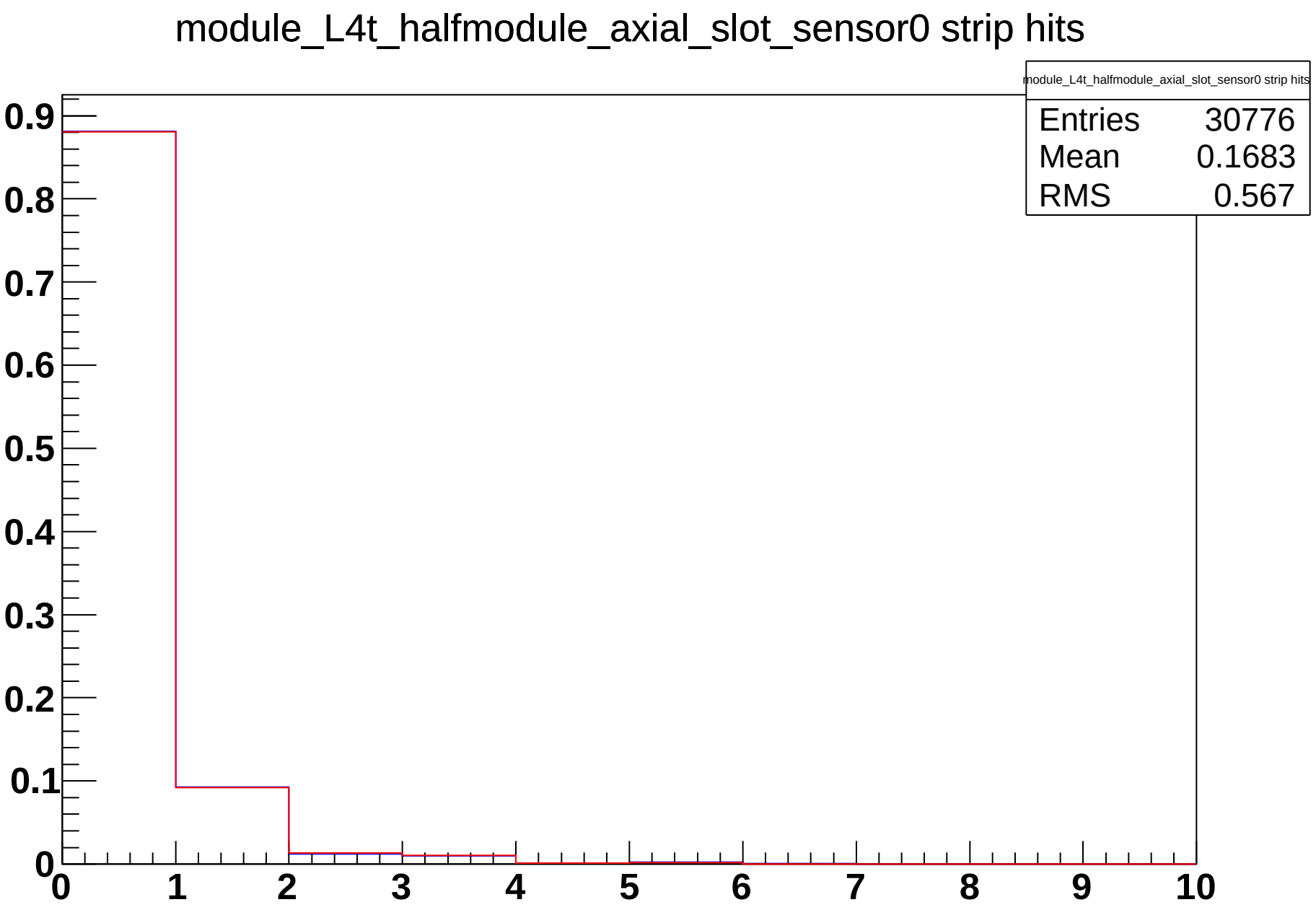

module_L4b_halfmodule_stereo_slot_sensor0 strip hits on track
module_L4b_halfmodule_stereo_slot_sensor0 strip hits on track
Entries 20611
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

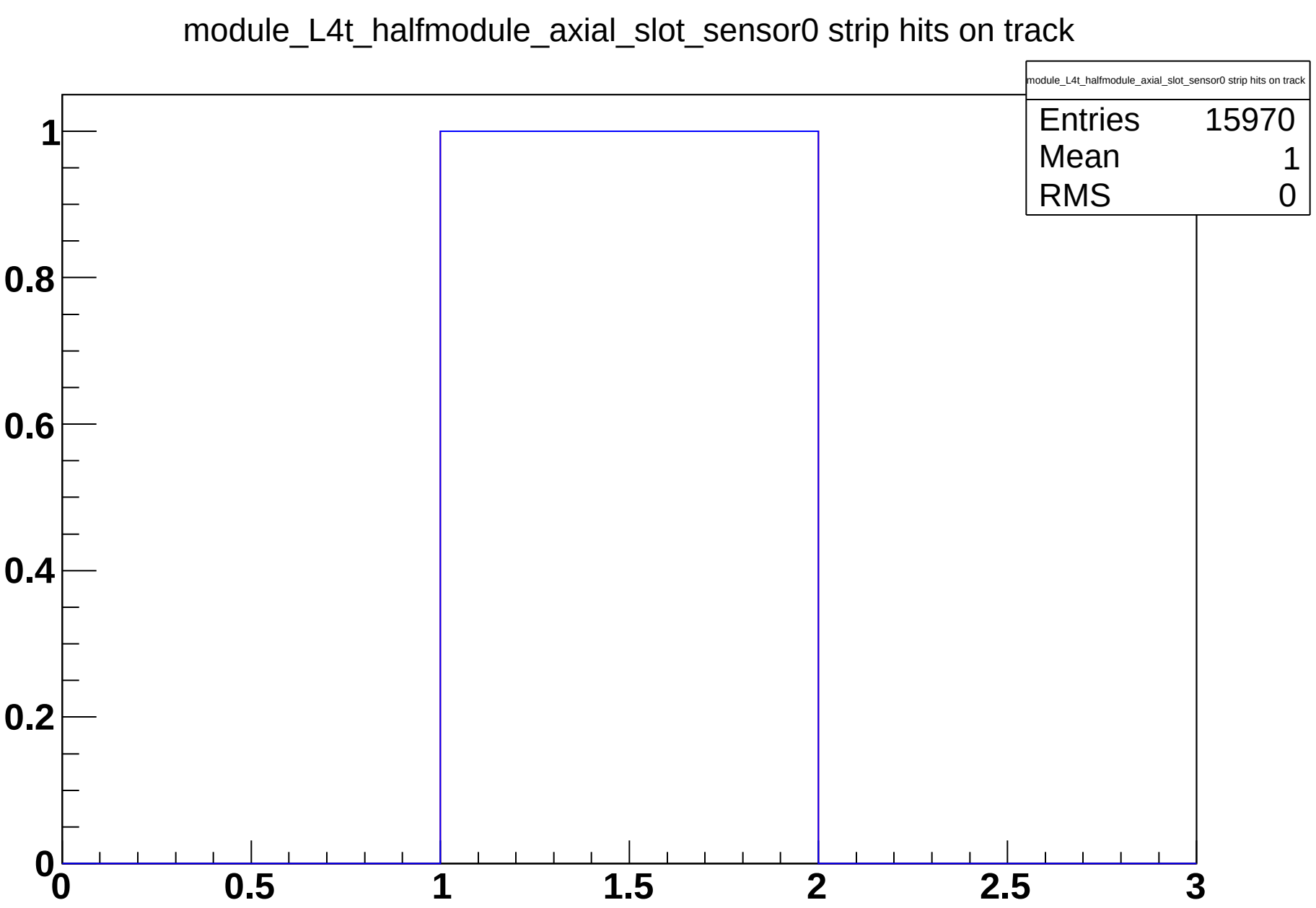

module_L4b_halfmodule_stereo_slot_sensor0 strip residual (mm)
module_L4b_halfmodule_stereo_slot_sensor0 strip residual (mm)
Entries 21261
Mean –0.01021
RMS 0.3921
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

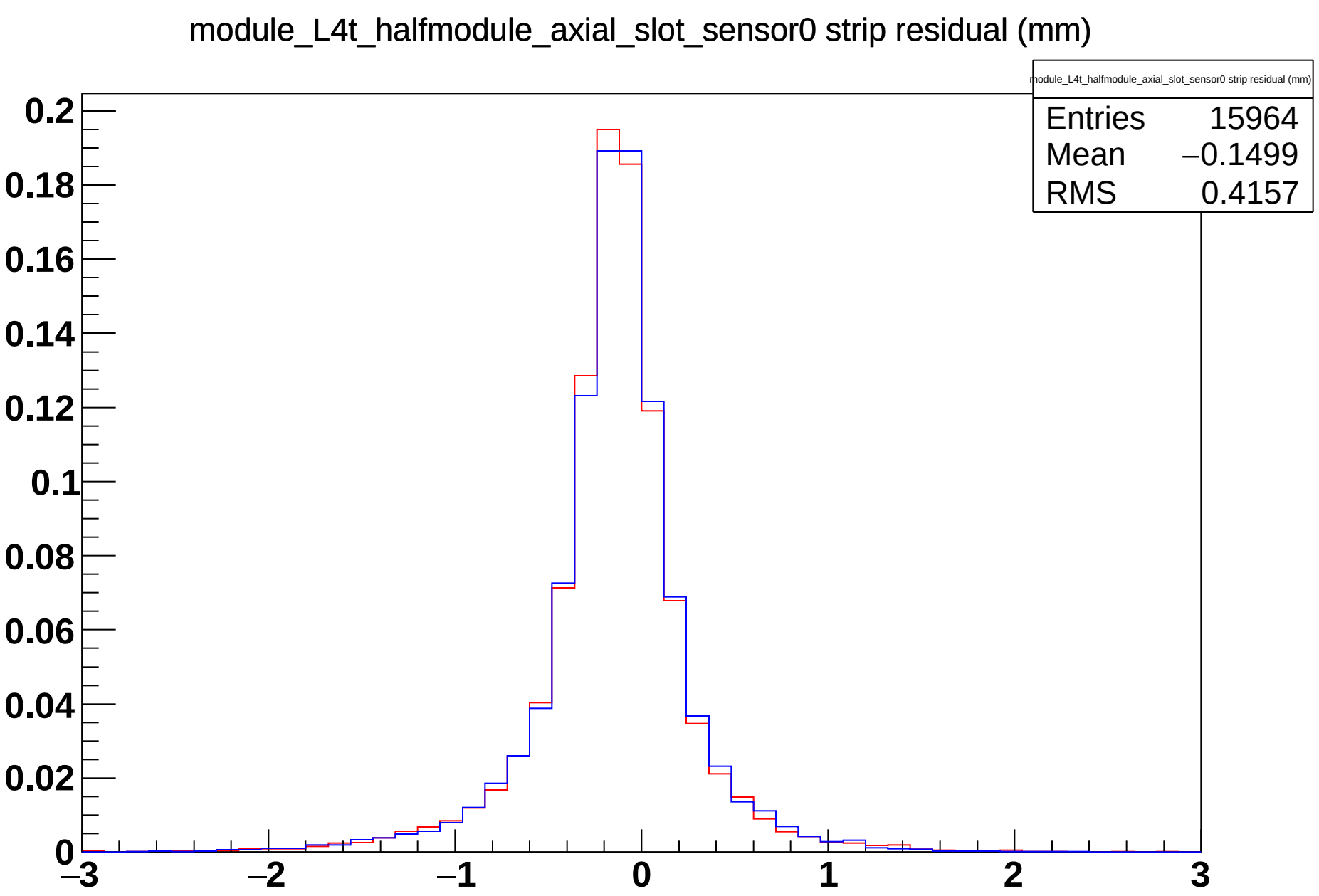

module_L4t_halfmodule_axial_hole_sensor0 strip hits
module_L4t_halfmodule_axial_hole_sensor0 strip hits
Entries 123615
Mean 0.4656
RMS 1.03
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

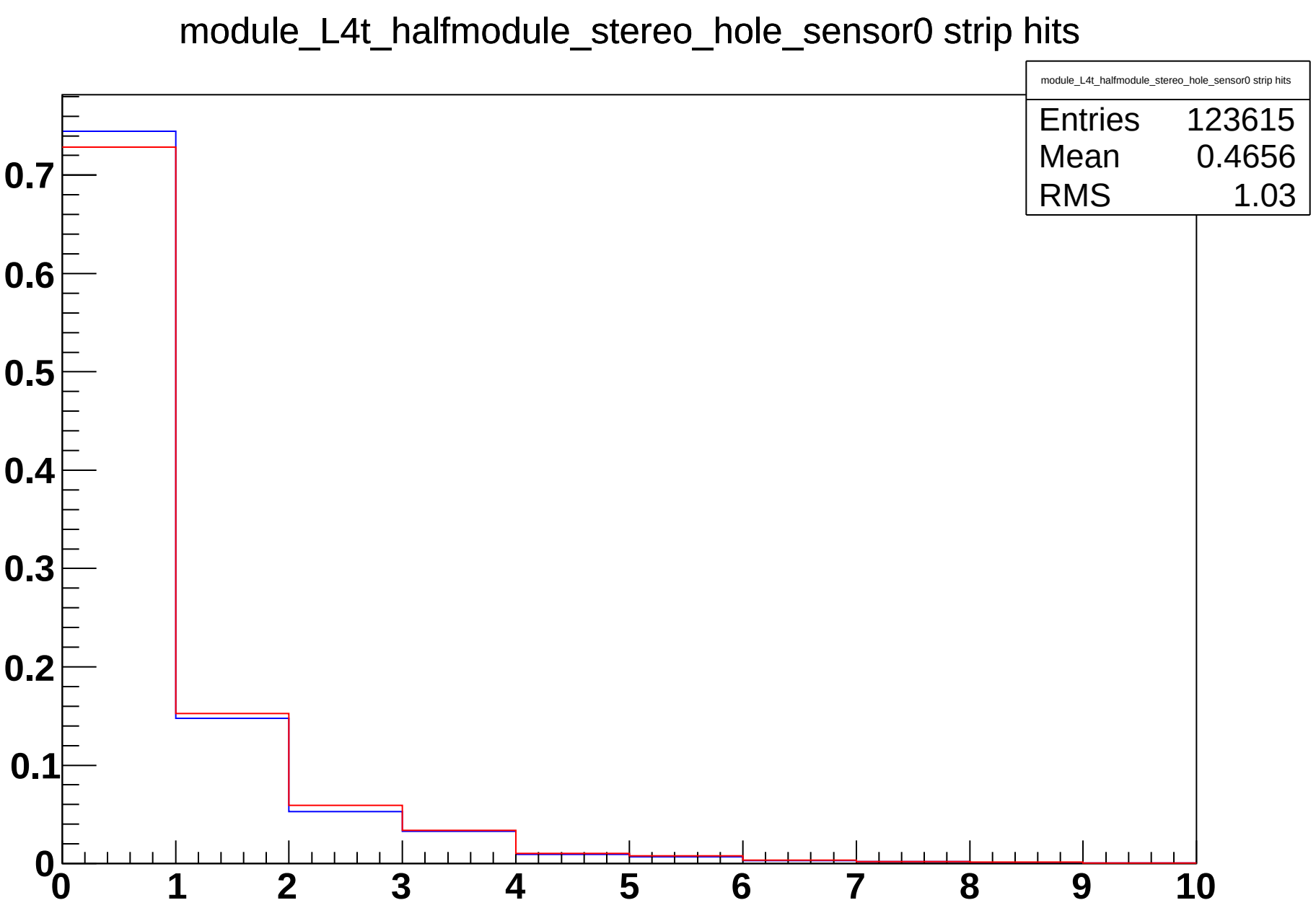

module_L4t_halfmodule_axial_hole_sensor0 strip hits on track
module_L4t_halfmodule_axial_hole_sensor0 strip hits on track
Entries 82983
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

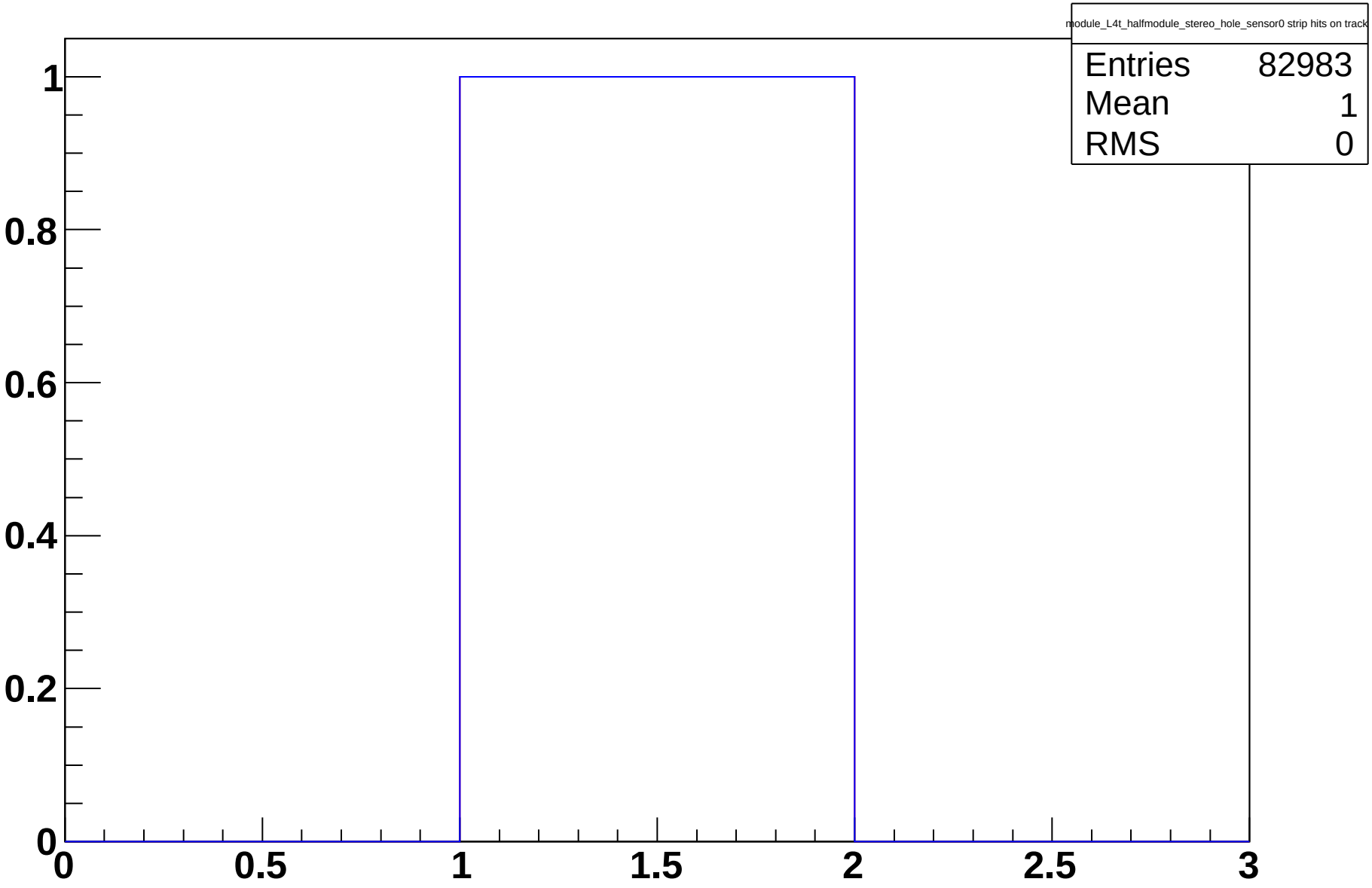

module_L4t_halfmodule_axial_hole_sensor0 strip residual (mm)
module_L4t_halfmodule_axial_hole_sensor0 strip residual (mm)
Entries 86617
Mean 0.1222
RMS 0.3883
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

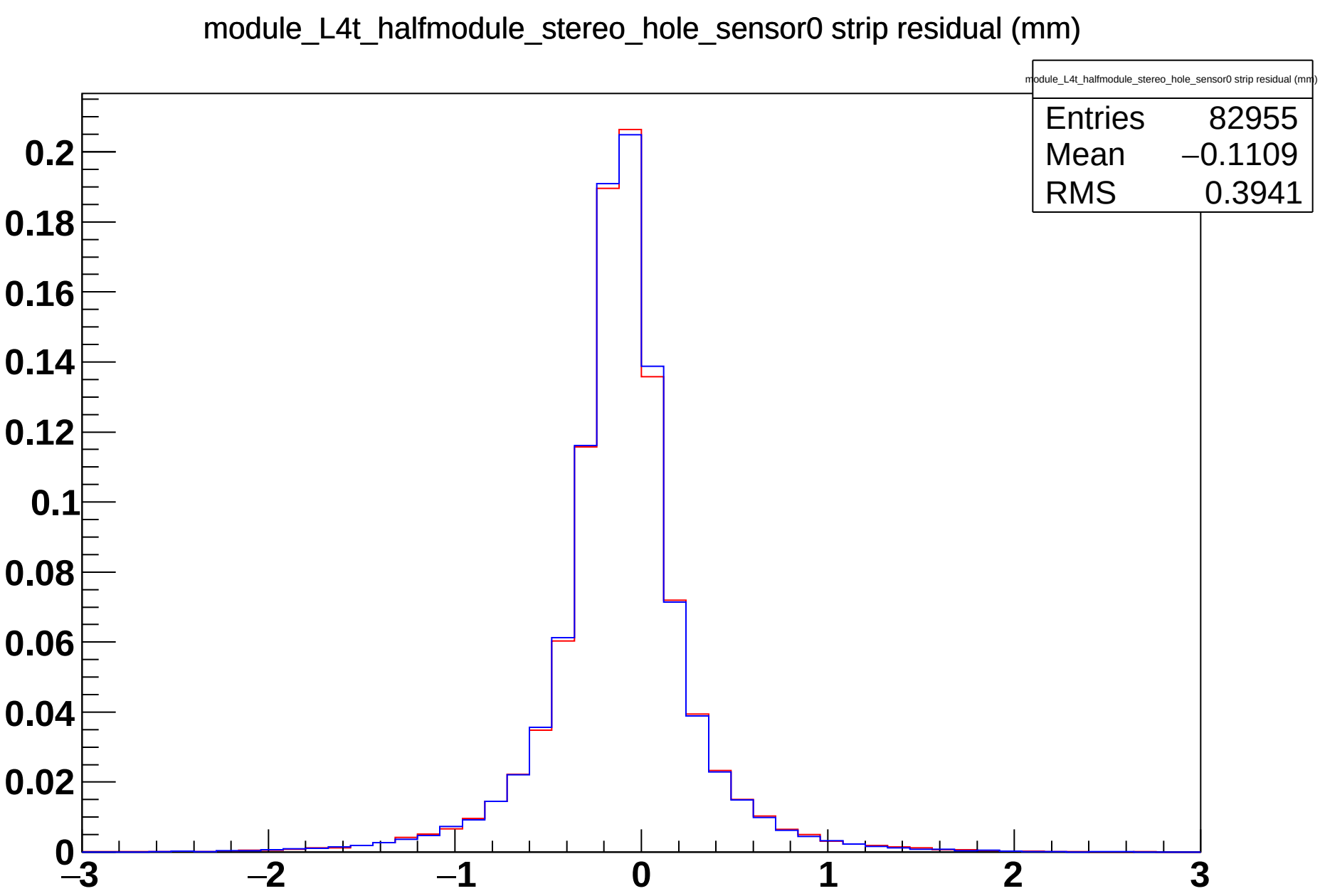

module_L4t_halfmodule_axial_slot_sensor0 strip hits
module_L4t_halfmodule_axial_slot_sensor0 strip hits
Entries 30776
Mean 0.1683
RMS 0.567
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

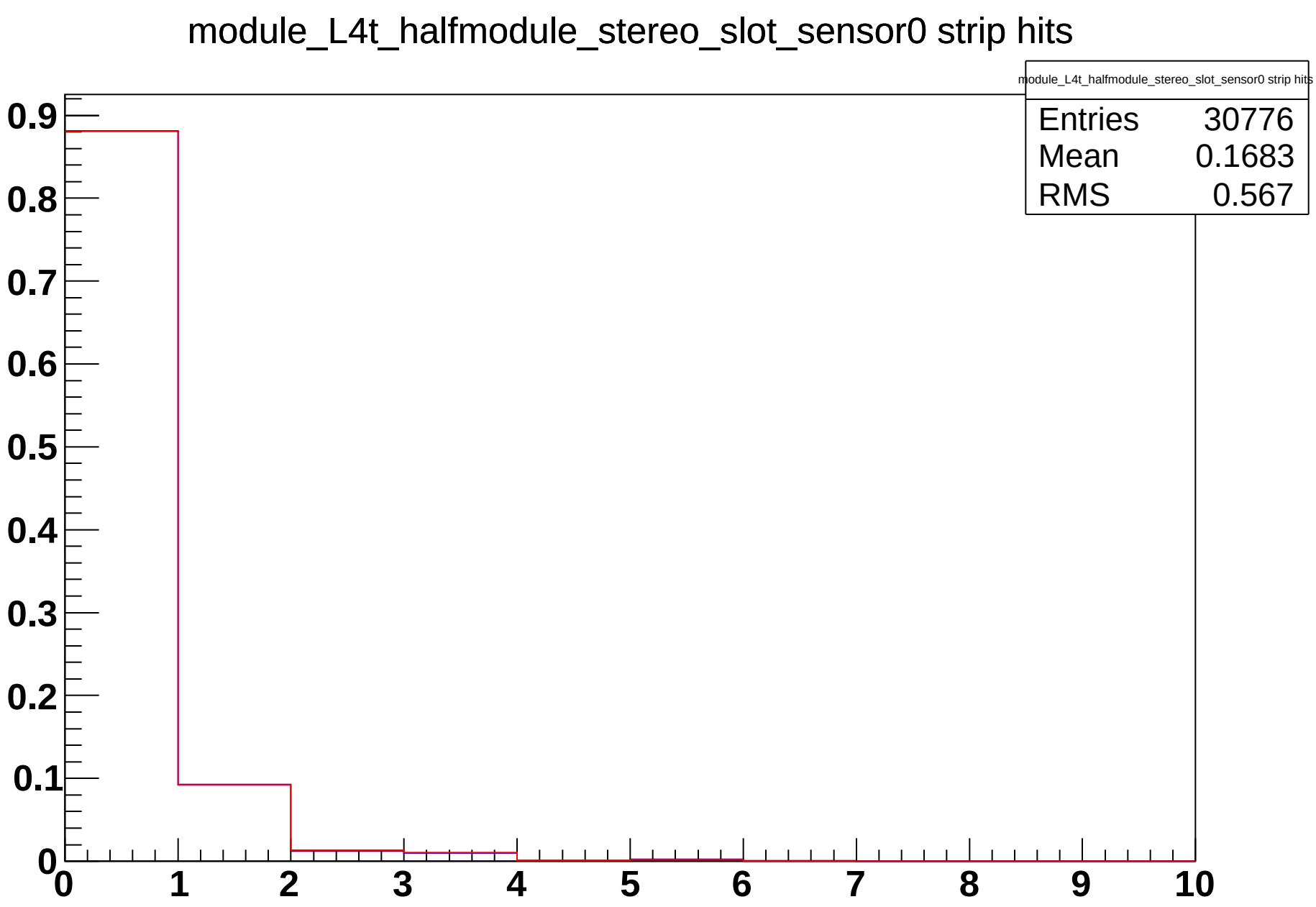

module_L4t_halfmodule_axial_slot_sensor0 strip hits on track
module_L4t_halfmodule_axial_slot_sensor0 strip hits on track
Entries 15970
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

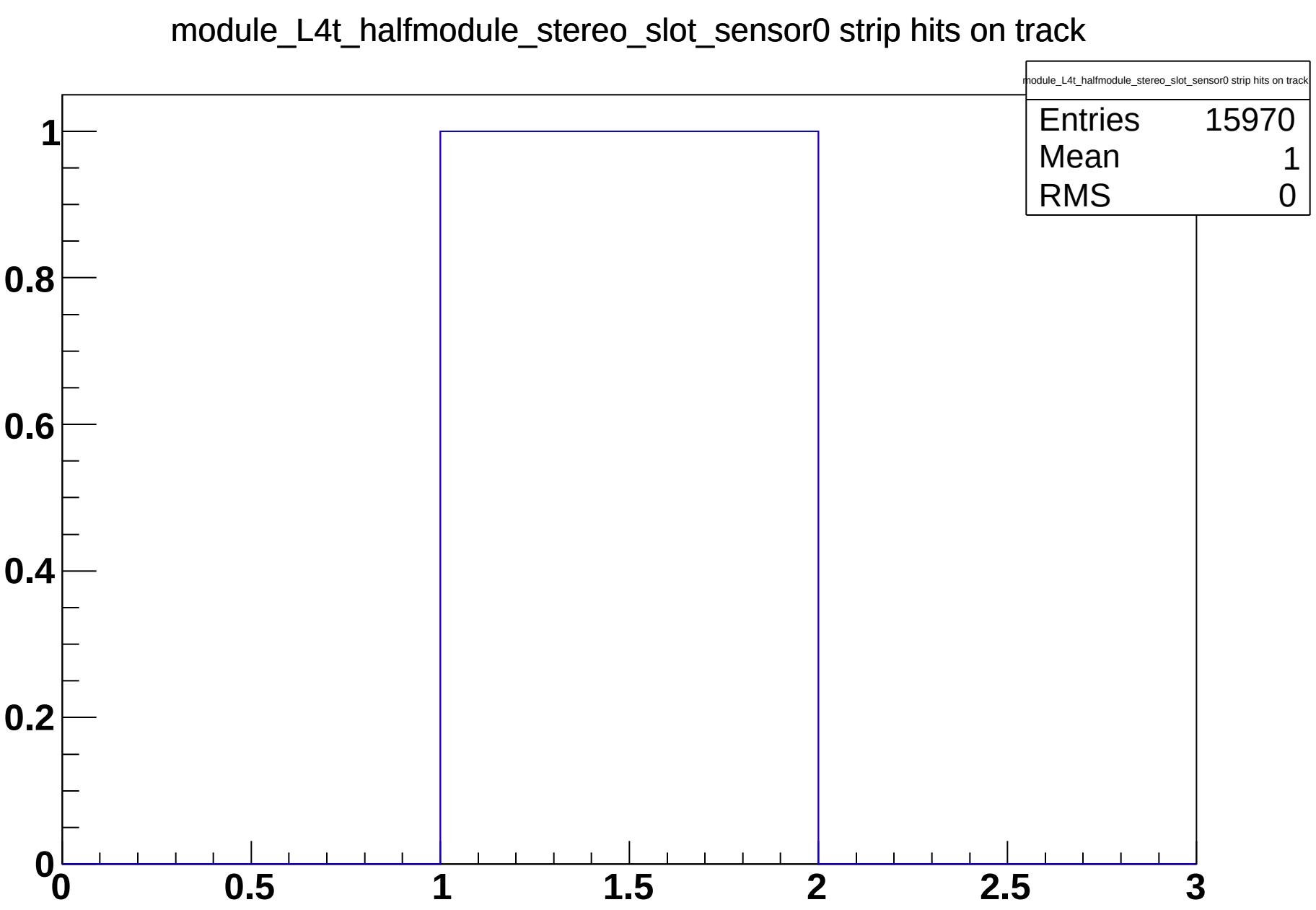

module_L4t_halfmodule_axial_slot_sensor0 strip residual (mm)
module_L4t_halfmodule_axial_slot_sensor0 strip residual (mm)
Entries 15964
Mean –0.1499
RMS 0.4157
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

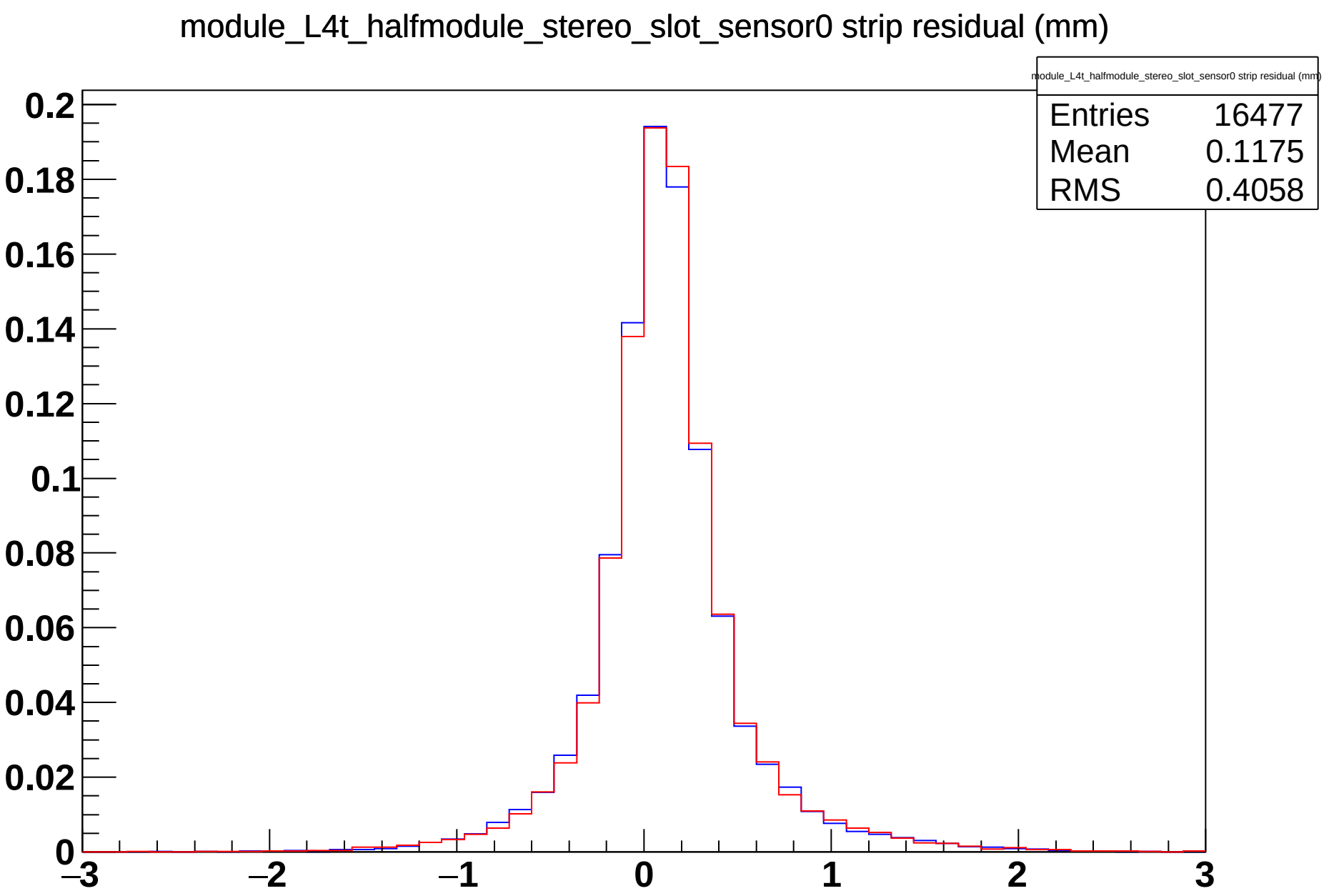

module_L4t_halfmodule_stereo_hole_sensor0 strip hits
module_L4t_halfmodule_stereo_hole_sensor0 strip hits
Entries 123615
Mean 0.4656
RMS 1.03
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
8
9
10

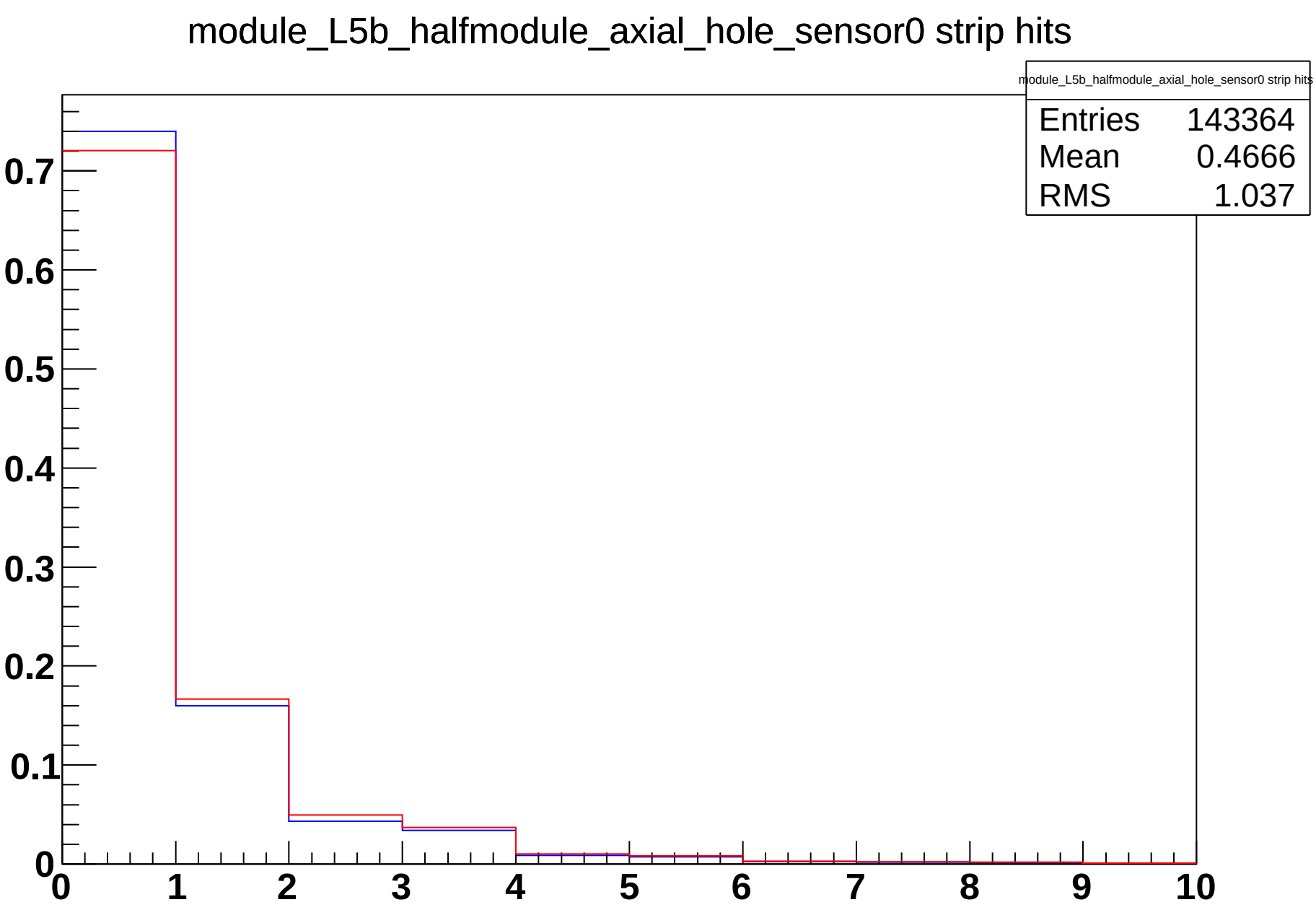

module_L4t_halfmodule_stereo_hole_sensor0 strip hits on track
module_L4t_halfmodule_stereo_hole_sensor0 strip hits on track
Entries 82983
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

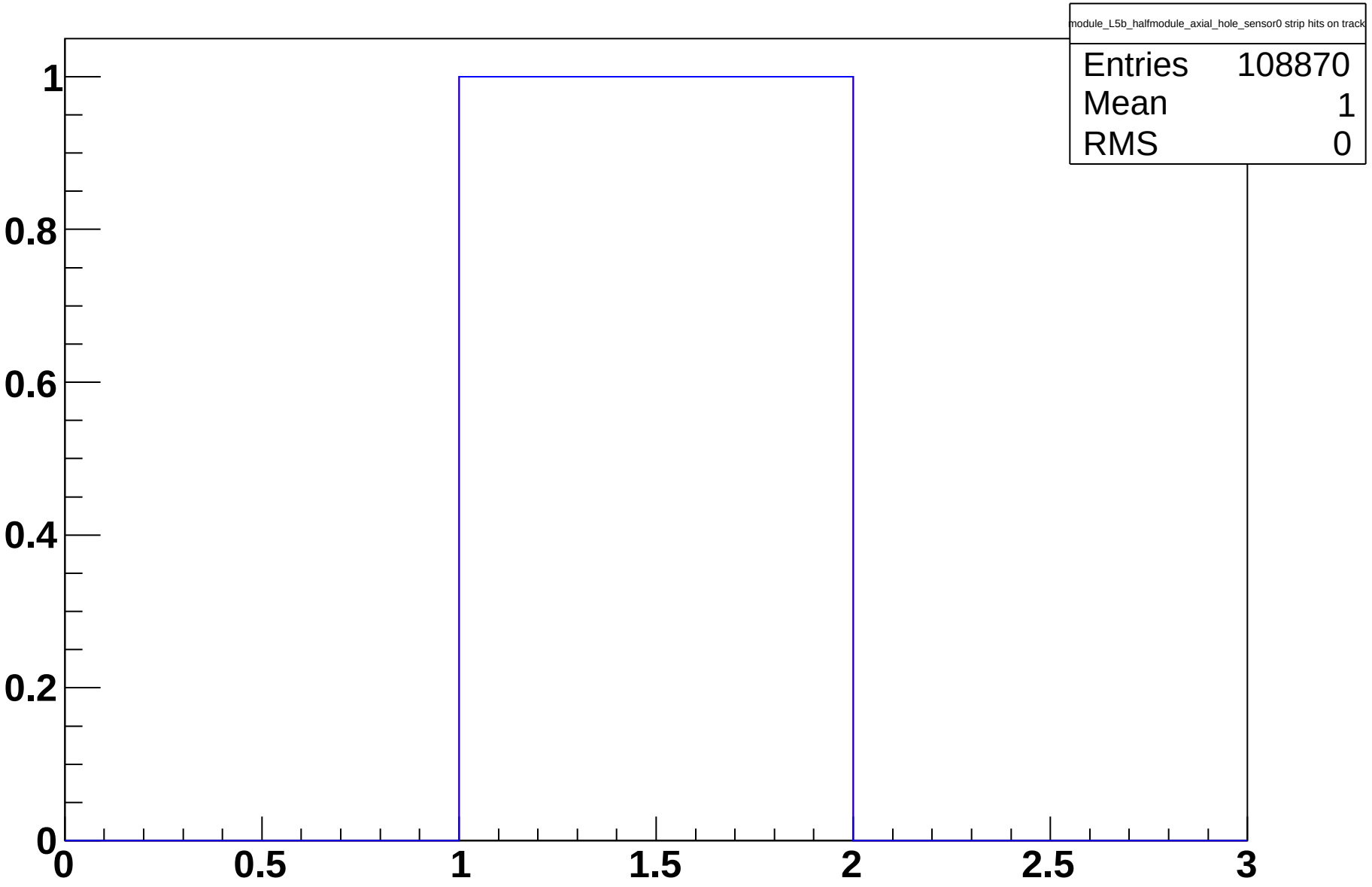

module_L4t_halfmodule_stereo_hole_sensor0 strip residual (mm)
module_L4t_halfmodule_stereo_hole_sensor0 strip residual (mm)
Entries 82955
Mean –0.1109
RMS 0.3941
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3

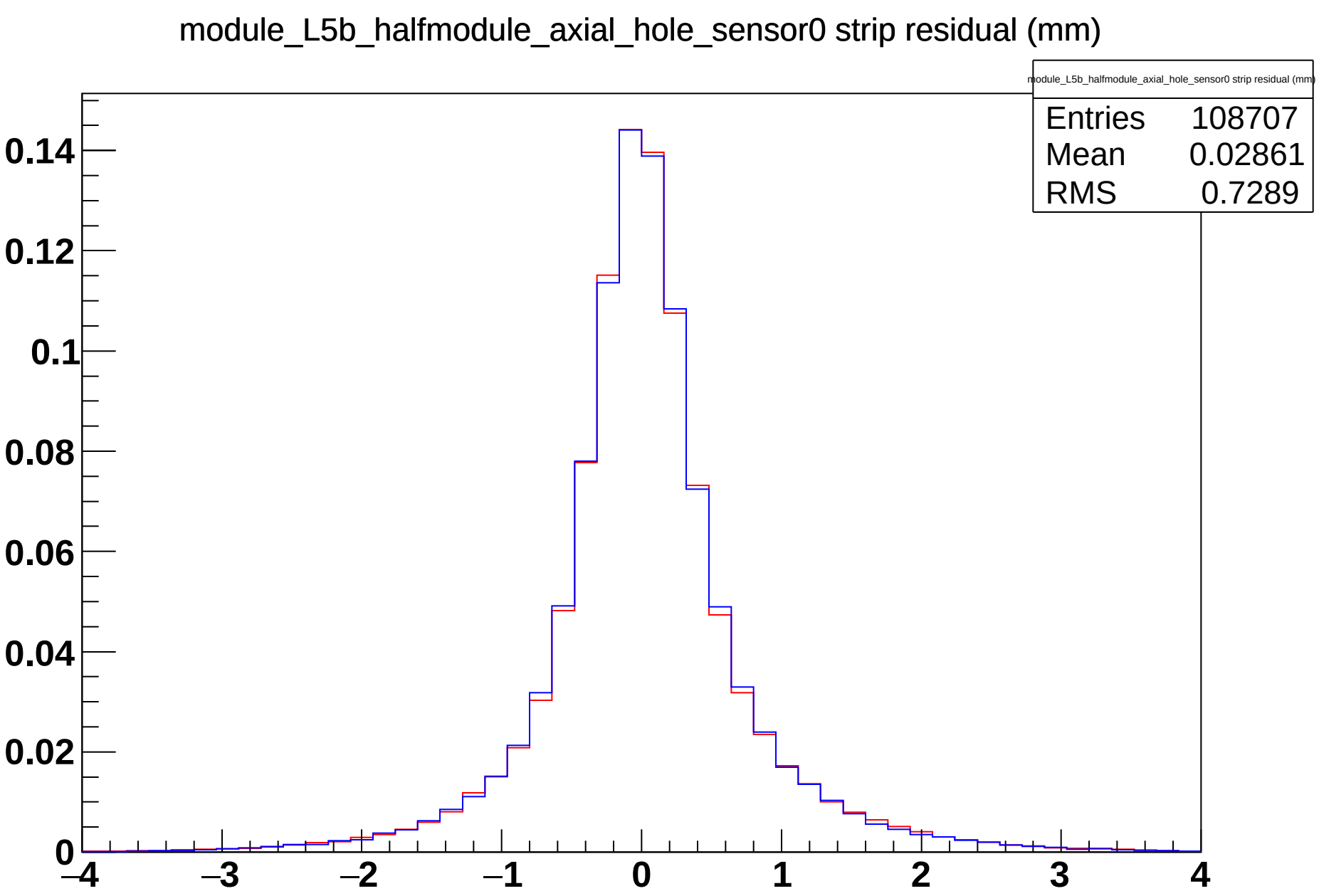

module_L4t_halfmodule_stereo_slot_sensor0 strip hits
module_L4t_halfmodule_stereo_slot_sensor0 strip hits
Entries 30776
Mean 0.1683
RMS 0.567
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

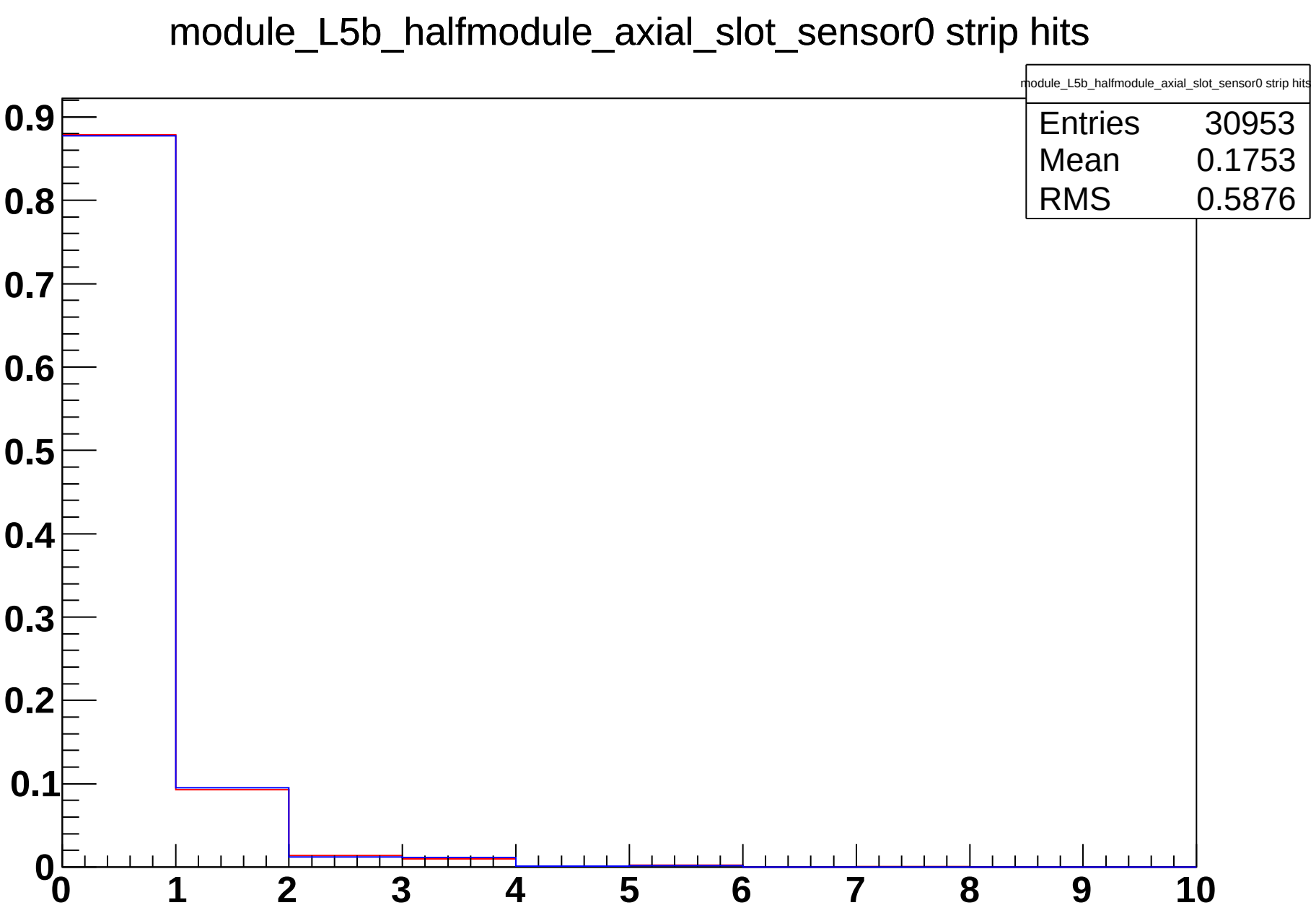

module_L4t_halfmodule_stereo_slot_sensor0 strip hits on track
module_L4t_halfmodule_stereo_slot_sensor0 strip hits on track
Entries 15970
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

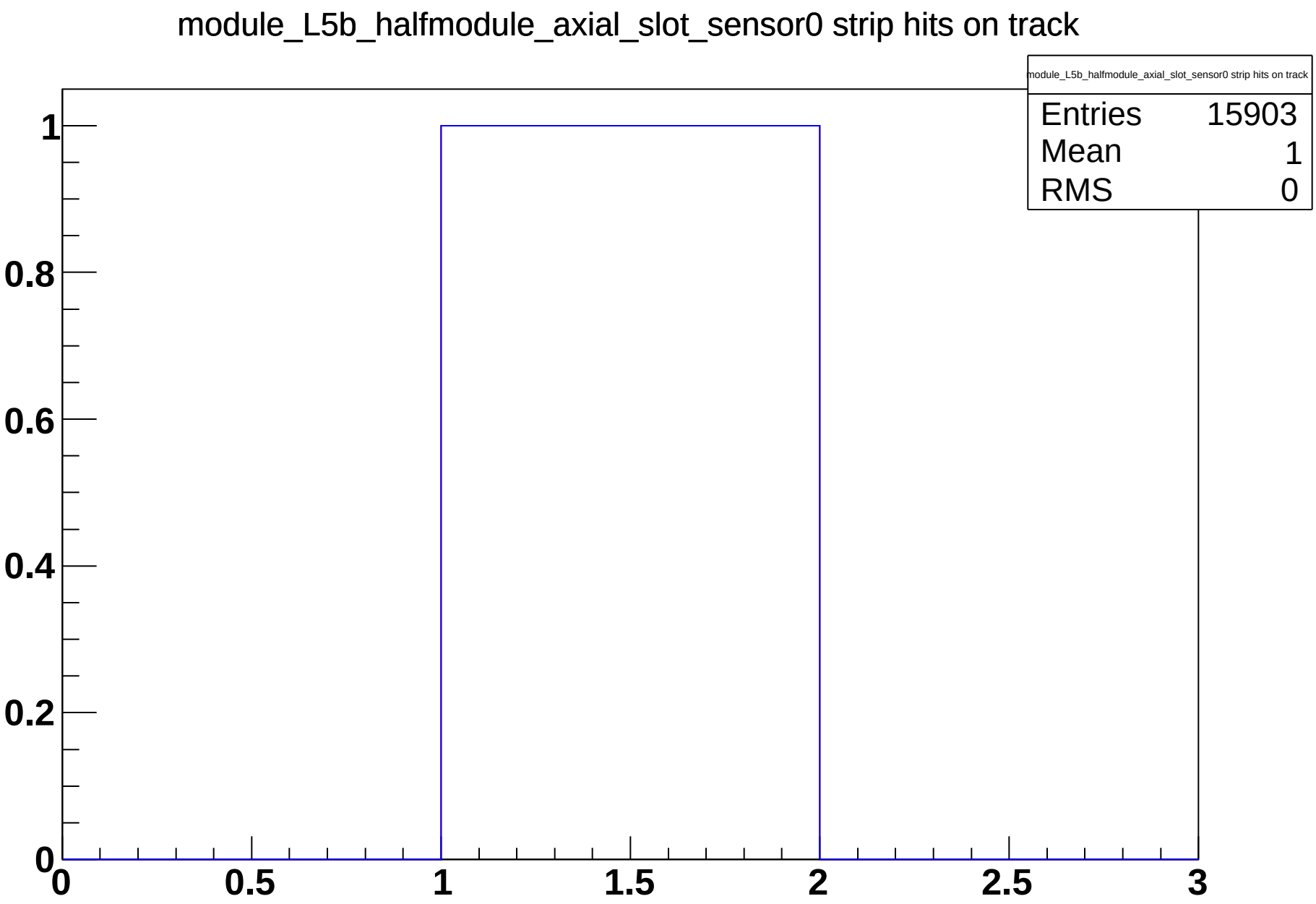

module_L4t_halfmodule_stereo_slot_sensor0 strip residual (mm)
module_L4t_halfmodule_stereo_slot_sensor0 strip residual (mm)
Entries 16477
Mean 0.1175
RMS 0.4058
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–3
–2
–1
0
1
2
3


module_L5b_halfmodule_axial_hole_sensor0 strip hits
module_L5b_halfmodule_axial_hole_sensor0 strip hits
Entries 143364
Mean 0.4666
RMS 1.037
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10


module_L5b_halfmodule_axial_hole_sensor0 strip hits on track
module_L5b_halfmodule_axial_hole_sensor0 strip hits on track
Entries 108870
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3


module_L5b_halfmodule_axial_hole_sensor0 strip residual (mm)
module_L5b_halfmodule_axial_hole_sensor0 strip residual (mm)
Entries 108707
Mean 0.02861
RMS 0.7289
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–4
–3
–2
–1
0
1
2
3
4


module_L5b_halfmodule_axial_slot_sensor0 strip hits
module_L5b_halfmodule_axial_slot_sensor0 strip hits
Entries 30953
Mean 0.1753
RMS 0.5876
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10


module_L5b_halfmodule_axial_slot_sensor0 strip hits on track
module_L5b_halfmodule_axial_slot_sensor0 strip hits on track
Entries 15903
Mean 1
RMS 0
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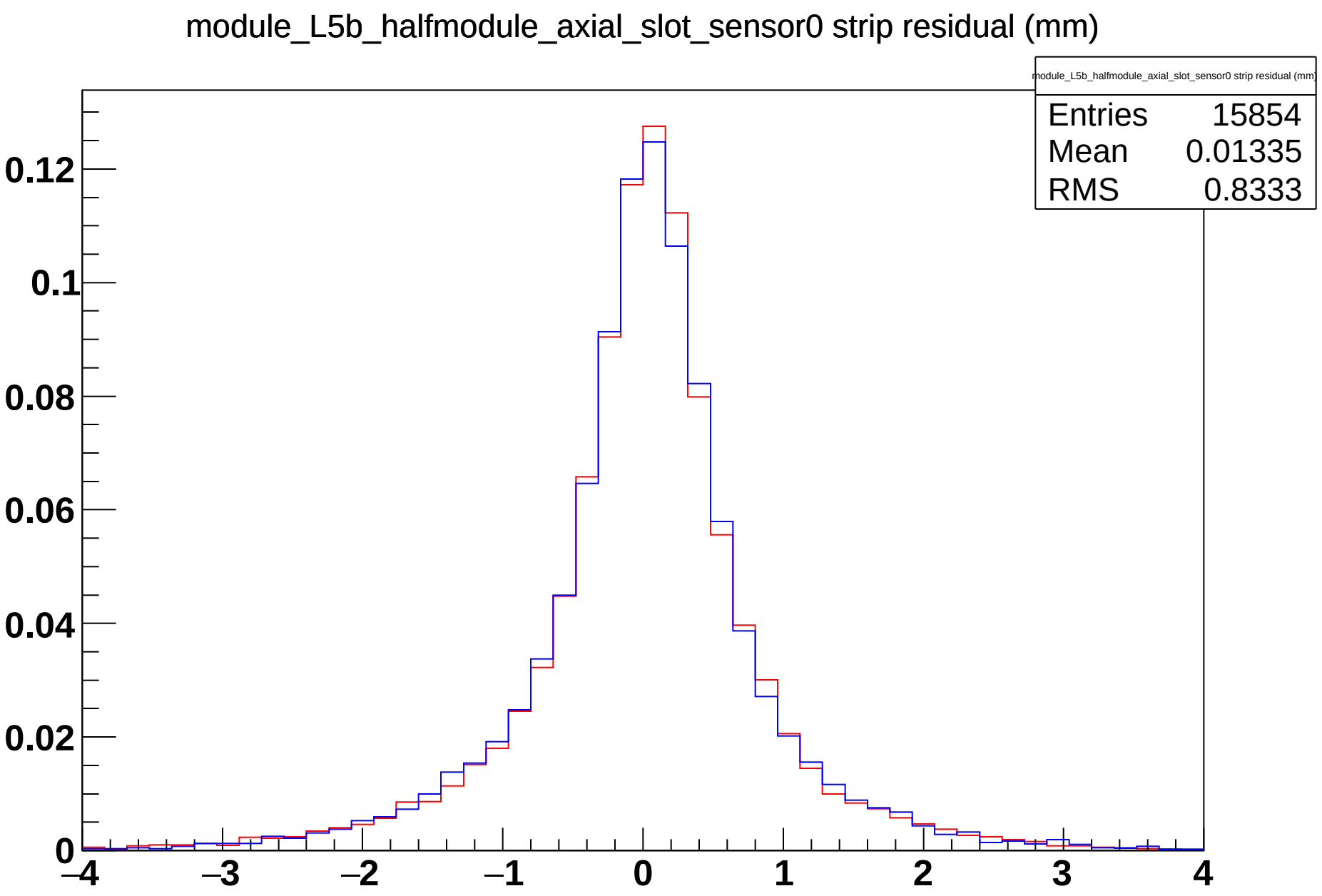
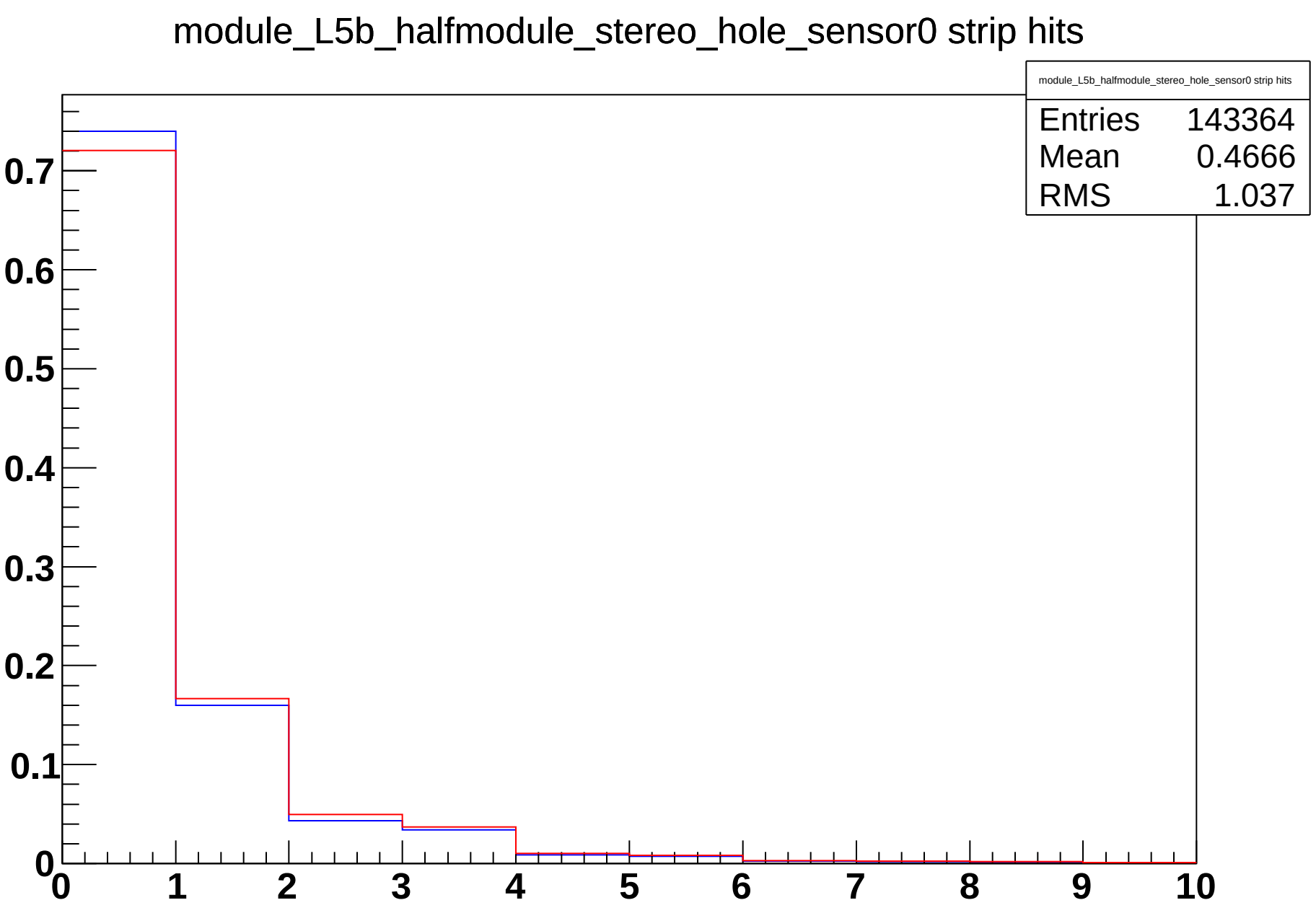
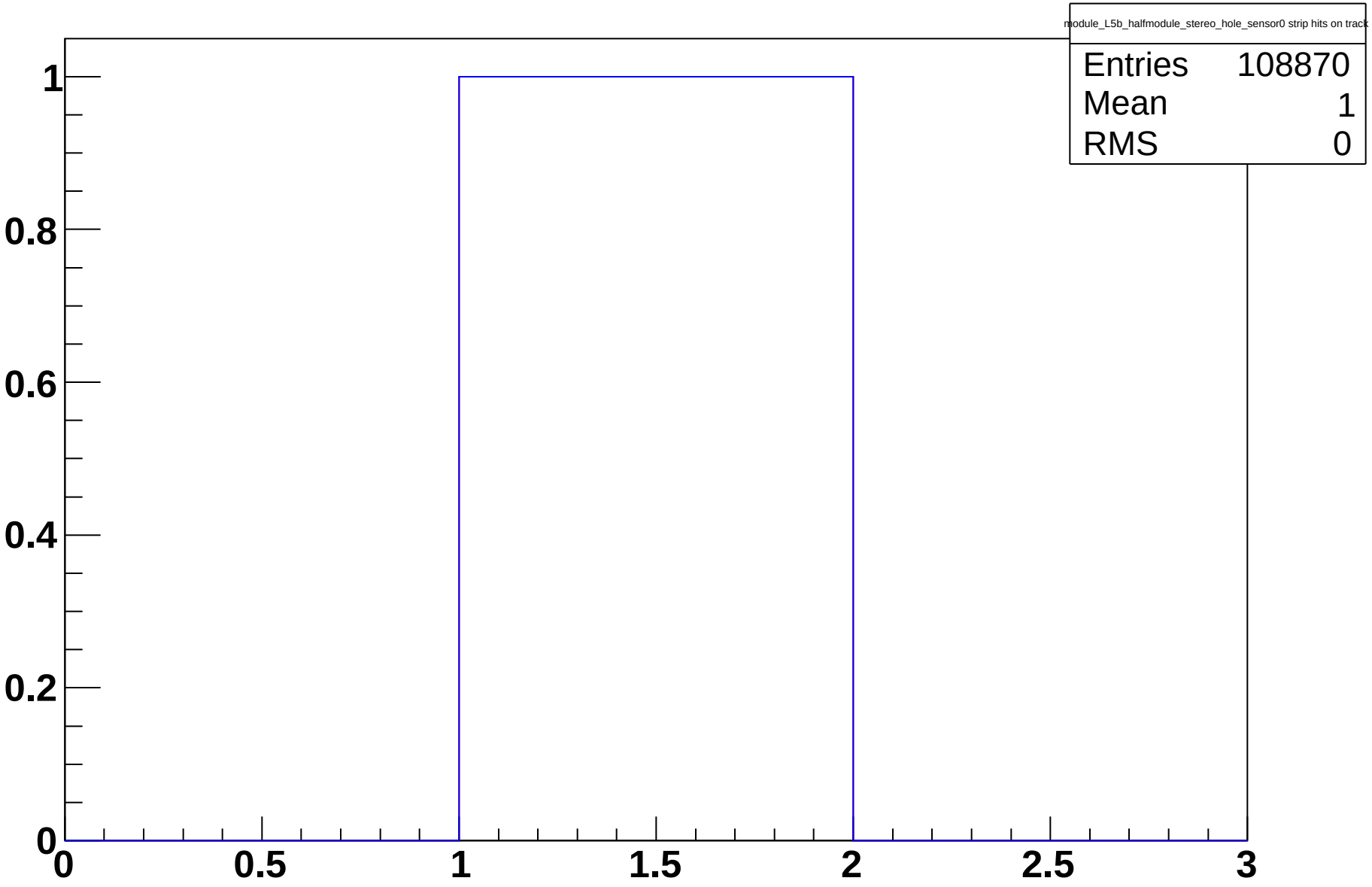
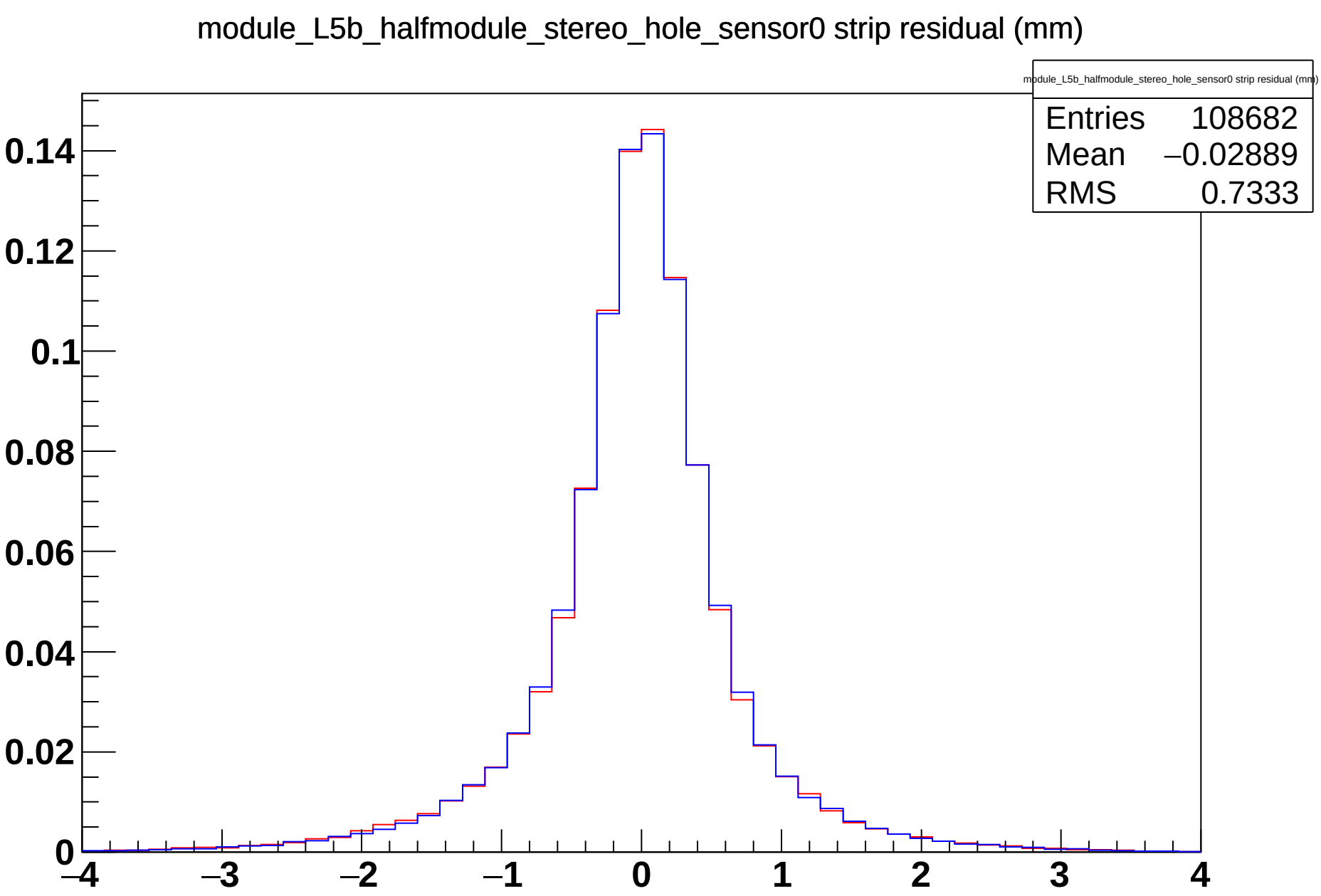
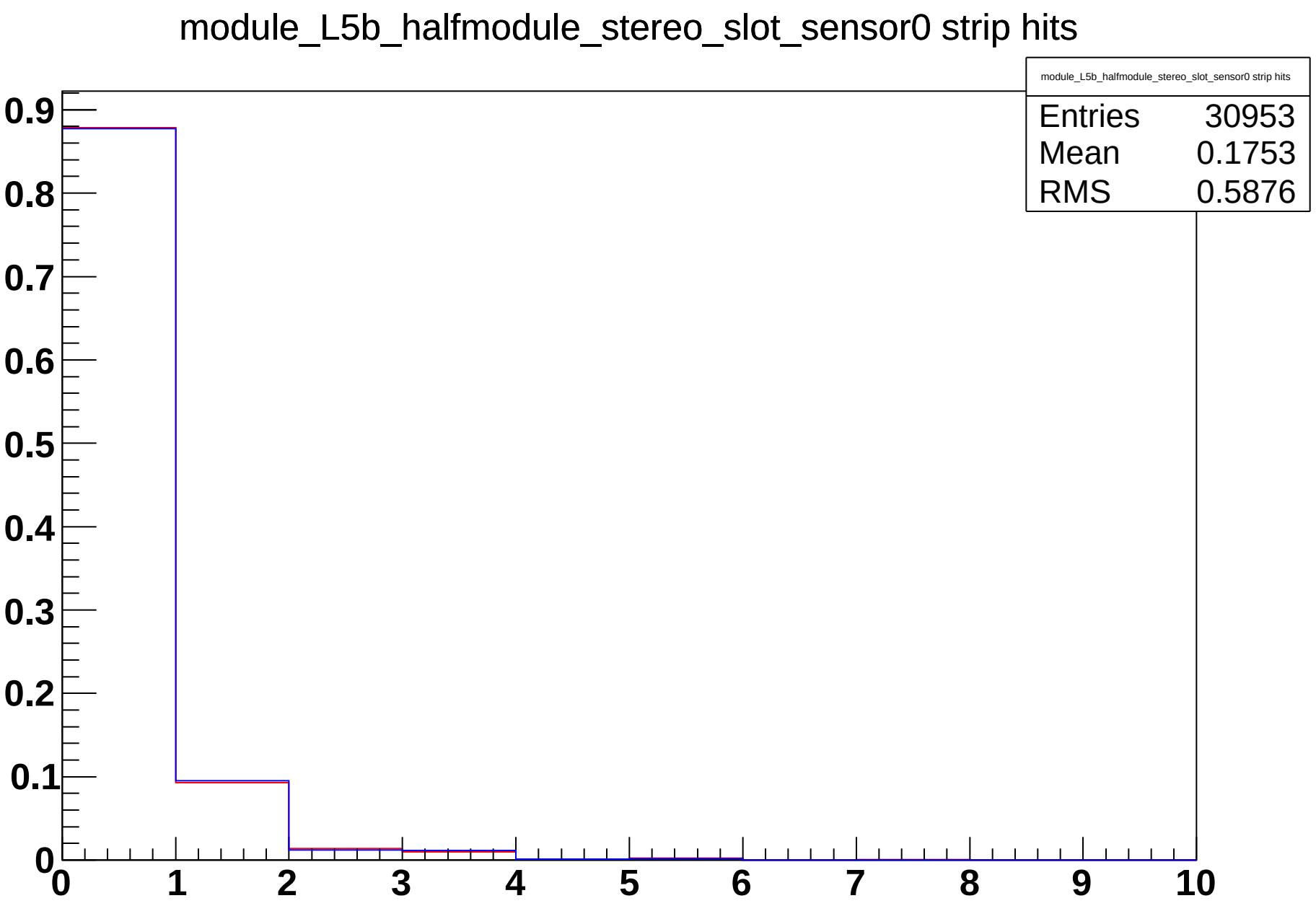
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

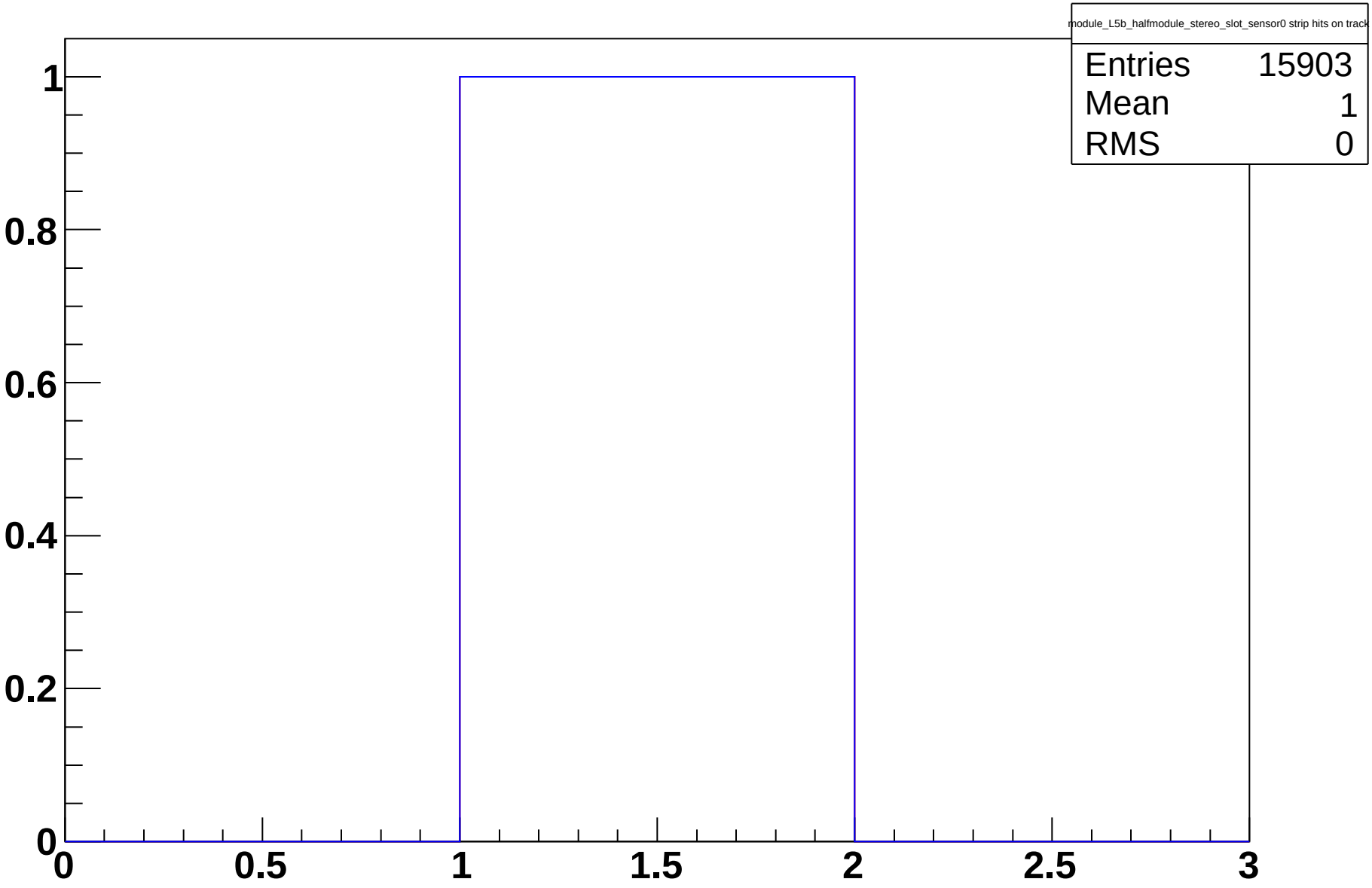

module_L5b_halfmodule_axial_slot_sensor0 strip residual (mm)
module_L5b_halfmodule_axial_slot_sensor0 strip residual (mm)
Entries 15854
Mean 0.01335
RMS 0.8333
0.12
0.1
0.08
0.06
0.04
0.02
0
−4
−3
−2
−1
0
1
2
3
4

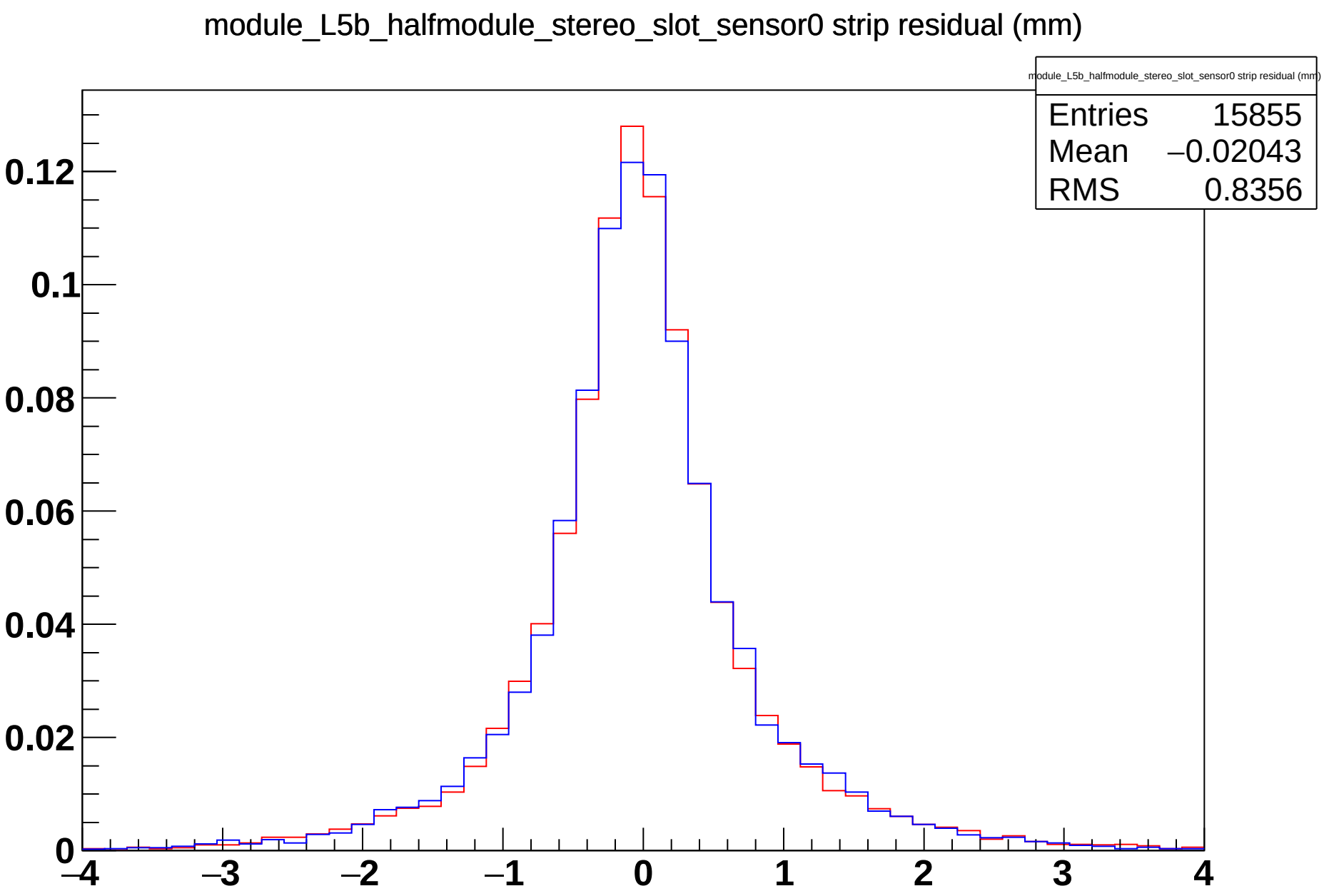

module_L5b_halfmodule_stereo_hole_sensor0 strip hits
module_L5b_halfmodule_stereo_hole_sensor0 strip hits
Entries 143364
Mean 0.4666
RMS 1.037
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
8
9
10

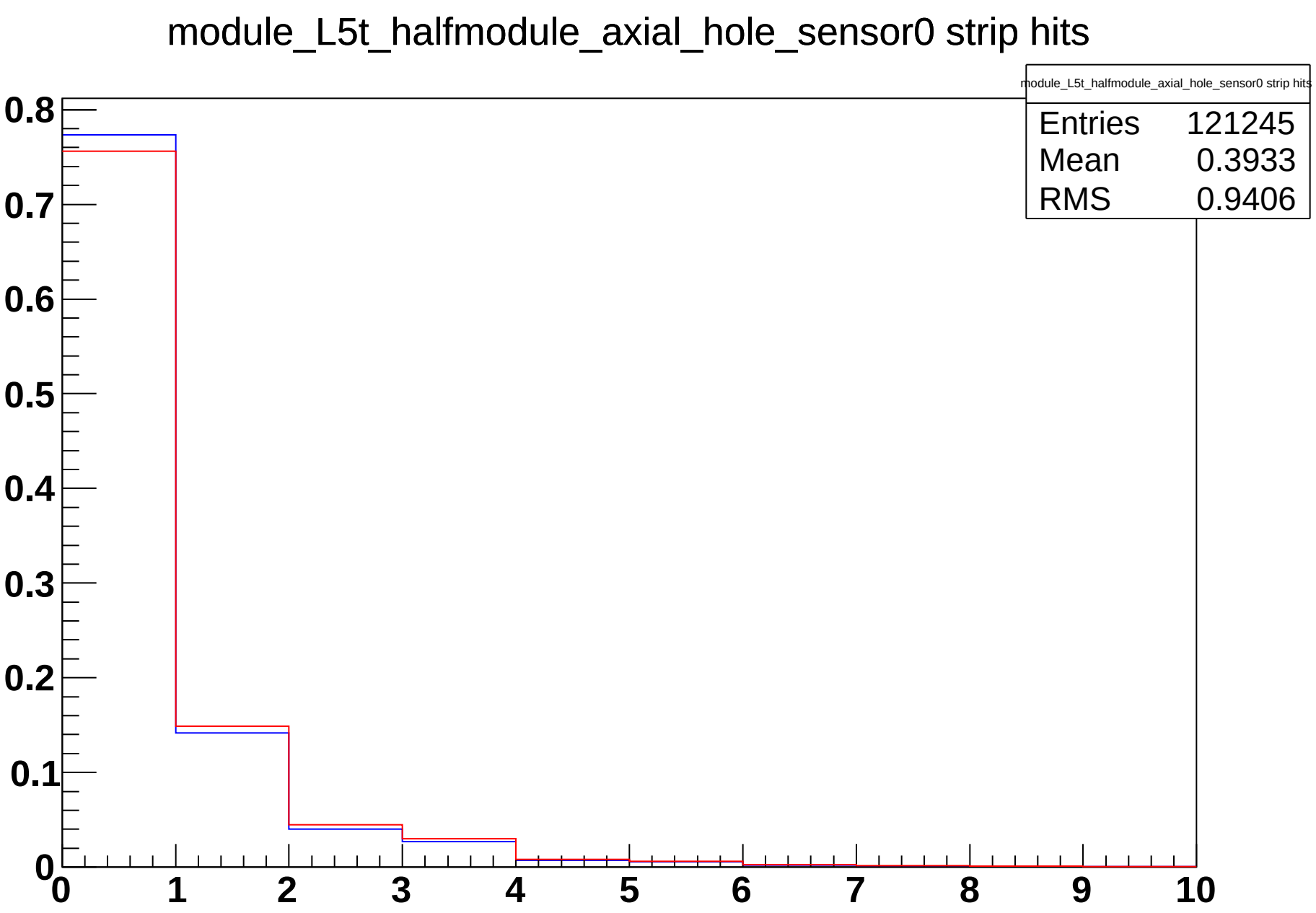

module_L5b_halfmodule_stereo_hole_sensor0 strip hits on track
module_L5b_halfmodule_stereo_hole_sensor0 strip hits on track
Entries 108870
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

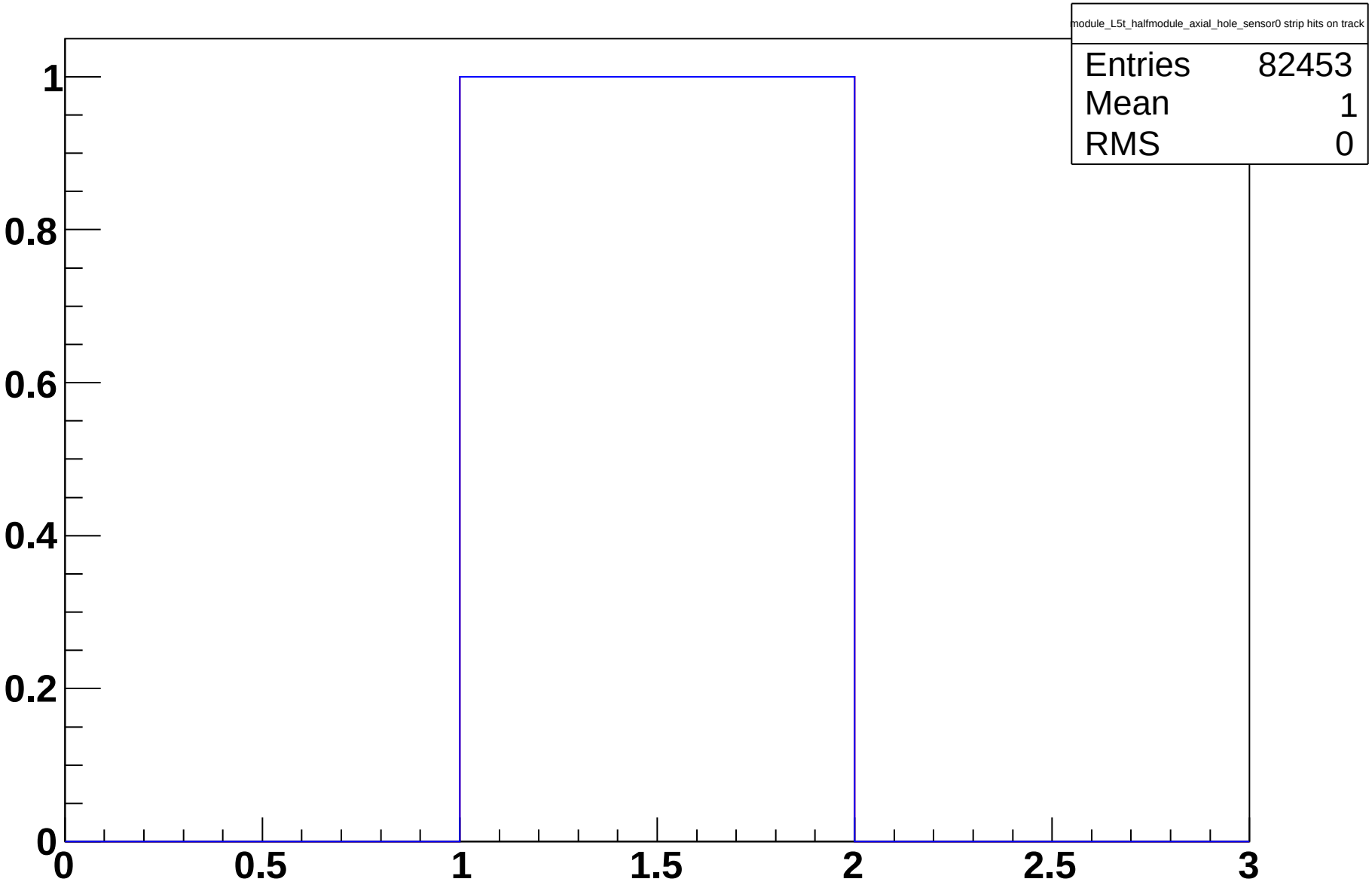

module_L5b_halfmodule_stereo_hole_sensor0 strip residual (mm)
module_L5b_halfmodule_stereo_hole_sensor0 strip residual (mm)
Entries 108682
Mean −0.02889
RMS 0.7333
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−4
−3
−2
−1
0
1
2
3
4

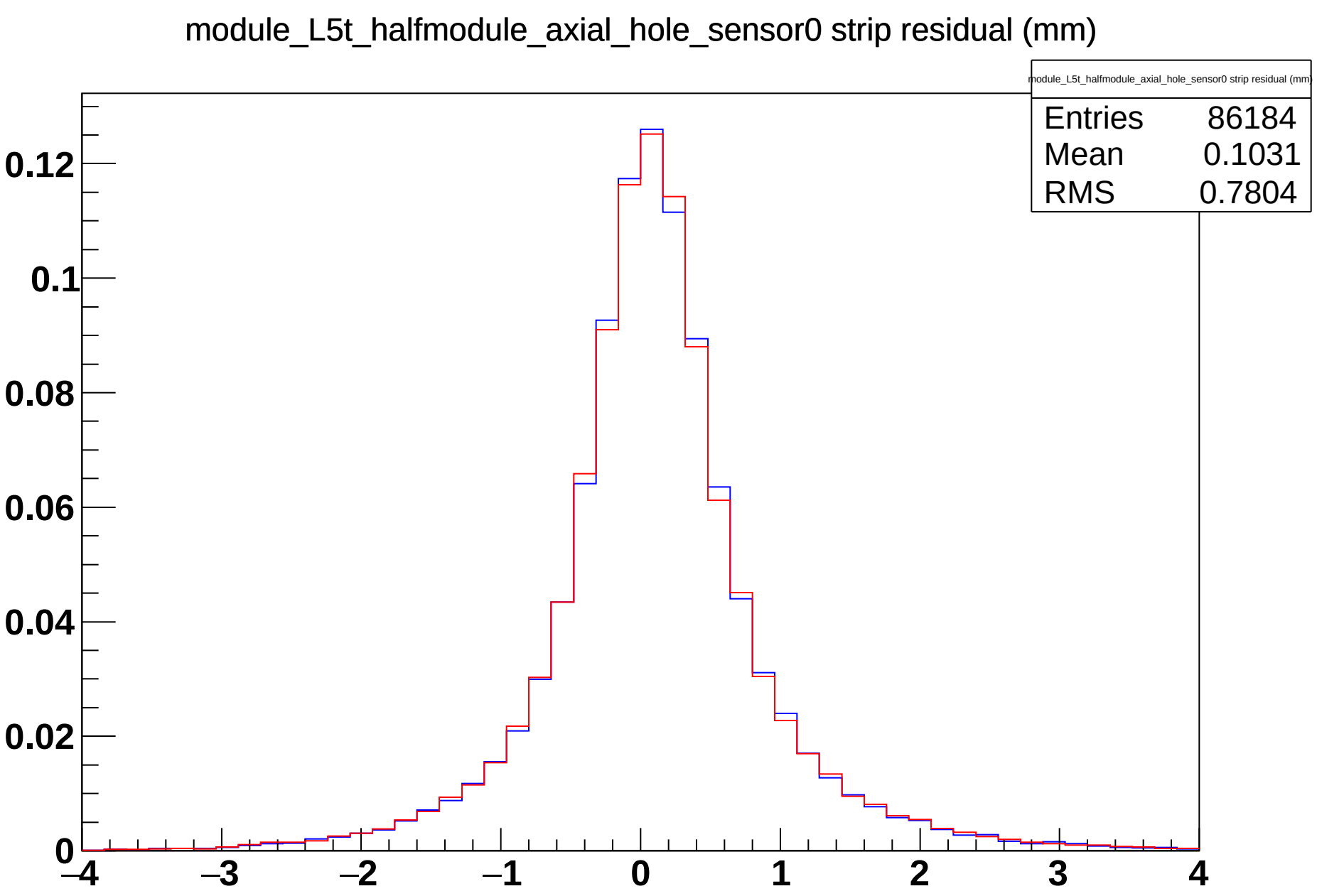

module_L5b_halfmodule_stereo_slot_sensor0 strip hits
module_L5b_halfmodule_stereo_slot_sensor0 strip hits
Entries 30953
Mean 0.1753
RMS 0.5876
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

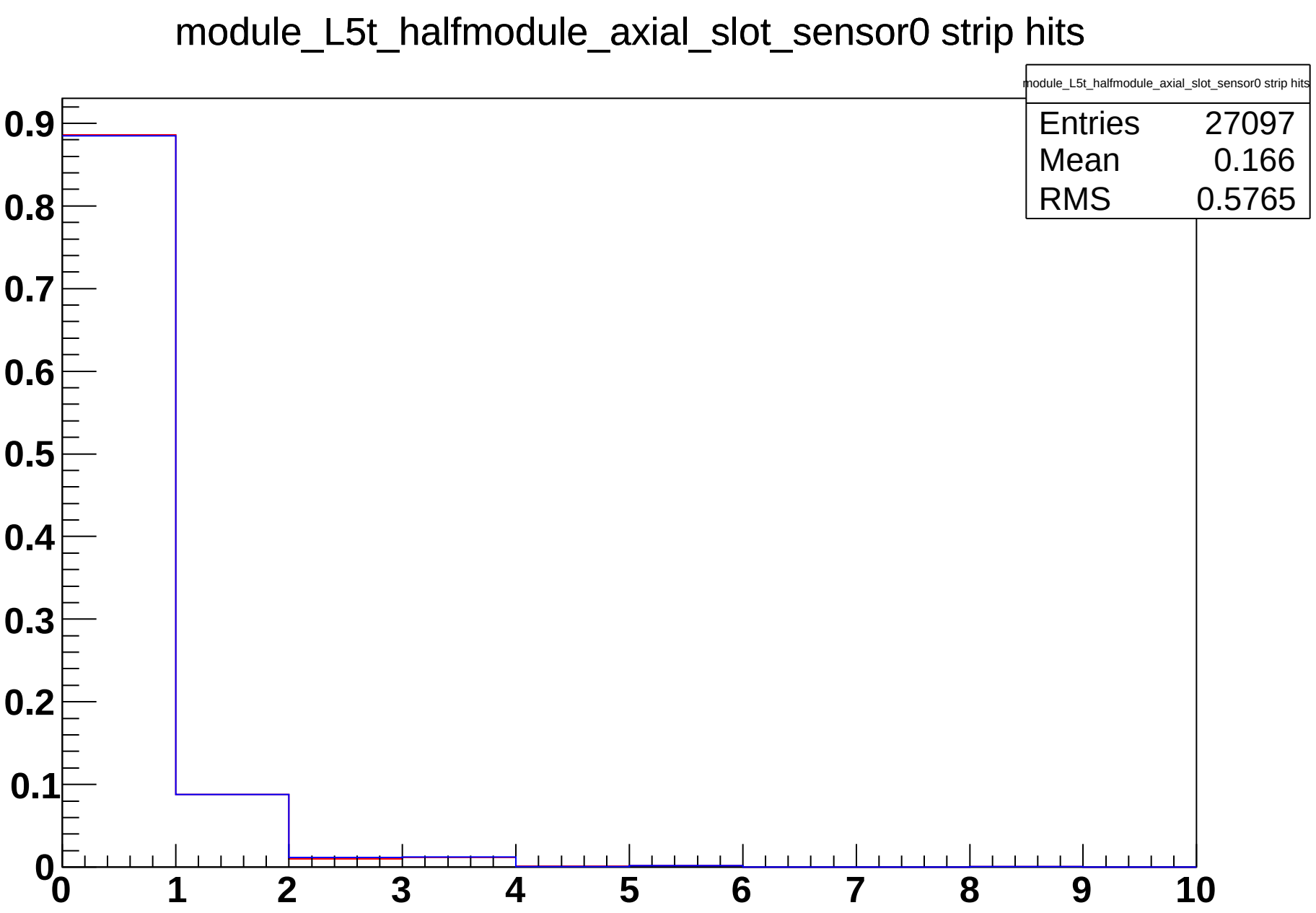

module_L5b_halfmodule_stereo_slot_sensor0 strip hits on track
module_L5b_halfmodule_stereo_slot_sensor0 strip hits on track
Entries 15903
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

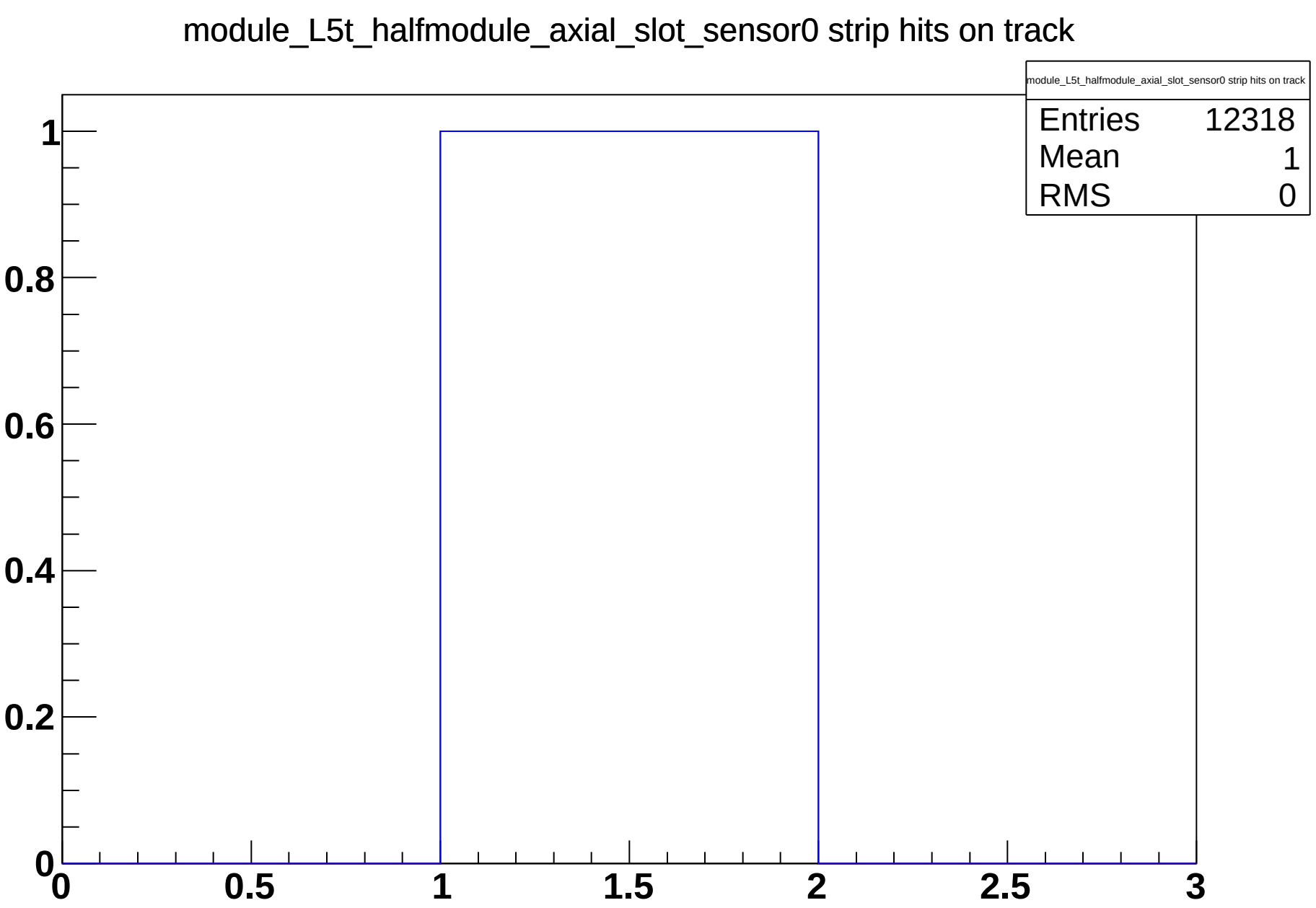

module_L5b_halfmodule_stereo_slot_sensor0 strip residual (mm)
module_L5b_halfmodule_stereo_slot_sensor0 strip residual (mm)
Entries 15855
Mean −0.02043
RMS 0.8356
0.12
0.1
0.08
0.06
0.04
0.02
0
−4
−3
−2
−1
0
1
2
3
4

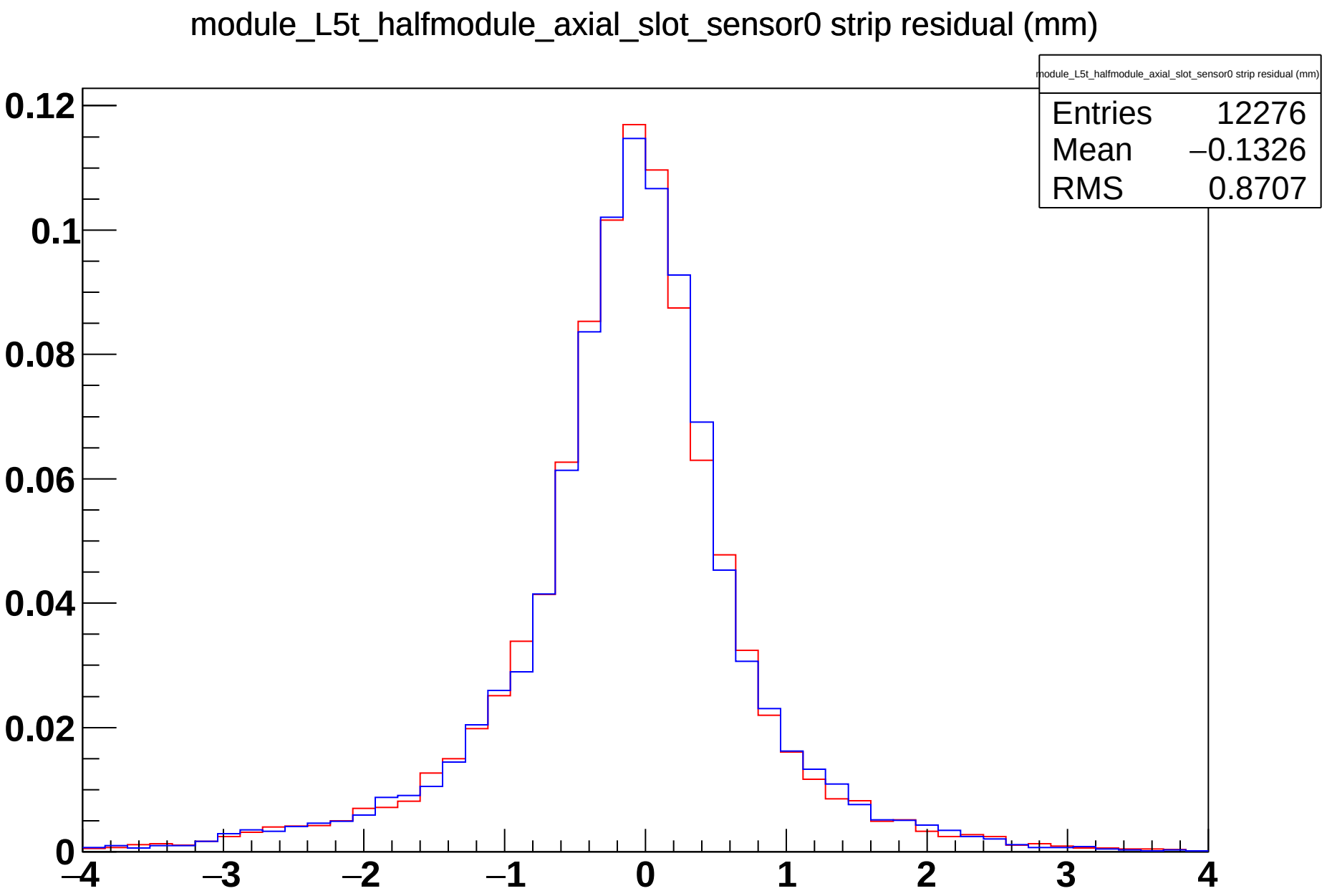

module_L5t_halfmodule_axial_hole_sensor0 strip hits
module_L5t_halfmodule_axial_hole_sensor0 strip hits
Entries 121245
Mean 0.3933
RMS 0.9406
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

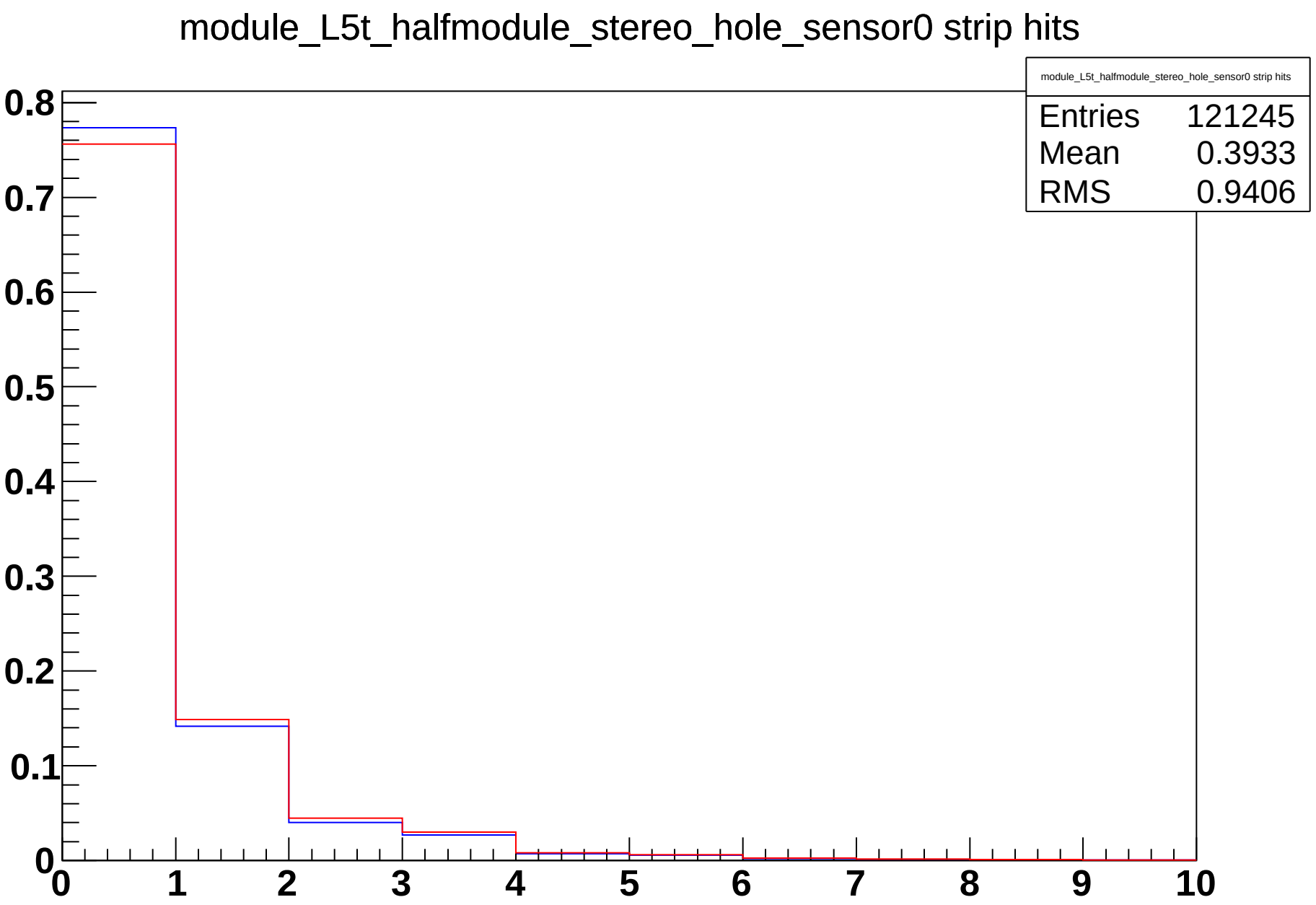

module_L5t_halfmodule_axial_hole_sensor0 strip hits on track
module_L5t_halfmodule_axial_hole_sensor0 strip hits on track
Entries 82453
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

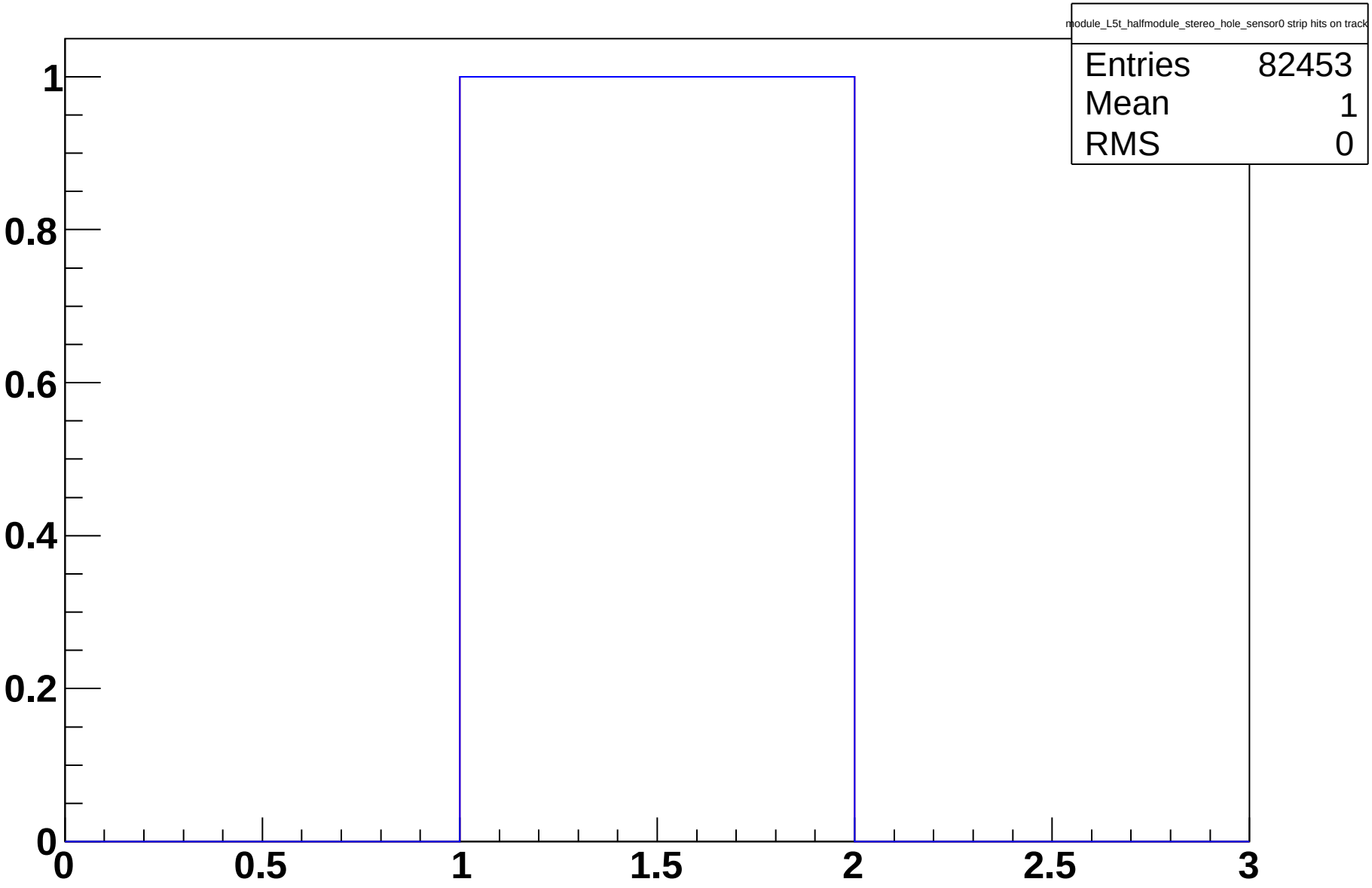

module_L5t_halfmodule_axial_hole_sensor0 strip residual (mm)
module_L5t_halfmodule_axial_hole_sensor0 strip residual (mm)
Entries 86184
Mean 0.1031
RMS 0.7804
0.12
0.1
0.08
0.06
0.04
0.02
0
−4
−3
−2
−1
0
1
2
3
4

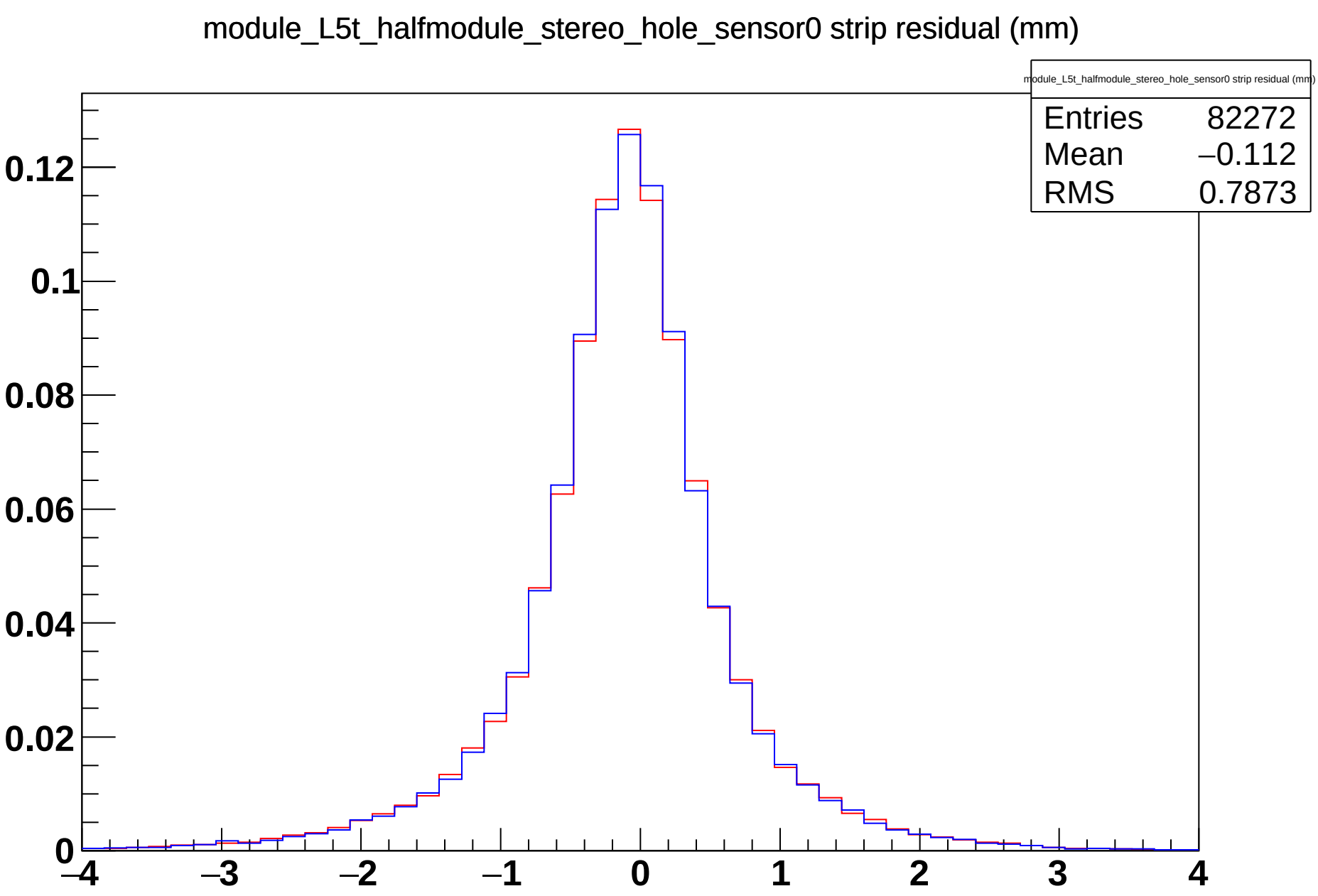

module_L5t_halfmodule_axial_slot_sensor0 strip hits
module_L5t_halfmodule_axial_slot_sensor0 strip hits
Entries 27097
Mean 0.166
RMS 0.5765
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

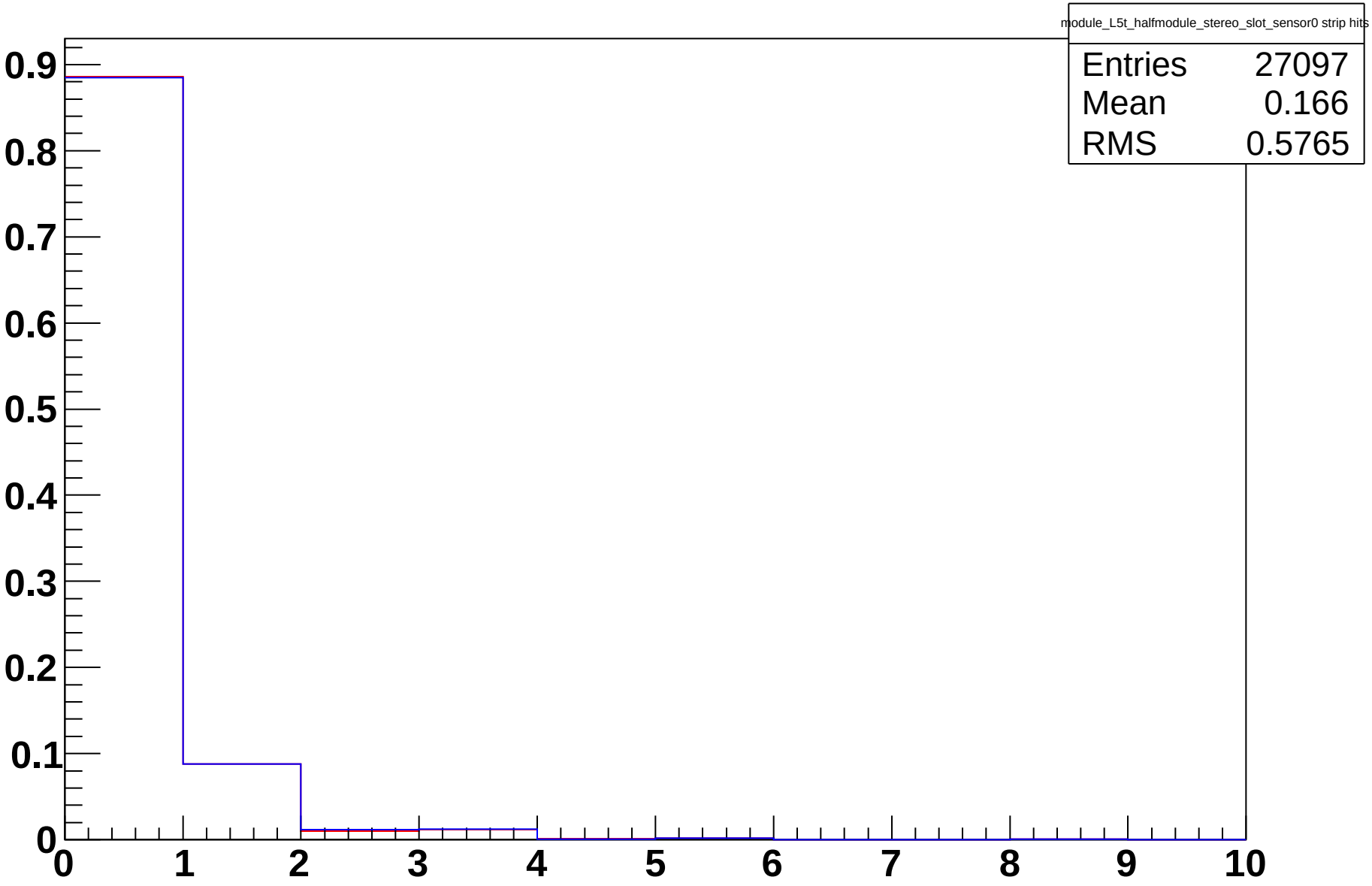

module_L5t_halfmodule_axial_slot_sensor0 strip hits on track
module_L5t_halfmodule_axial_slot_sensor0 strip hits on track
Entries 12318
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

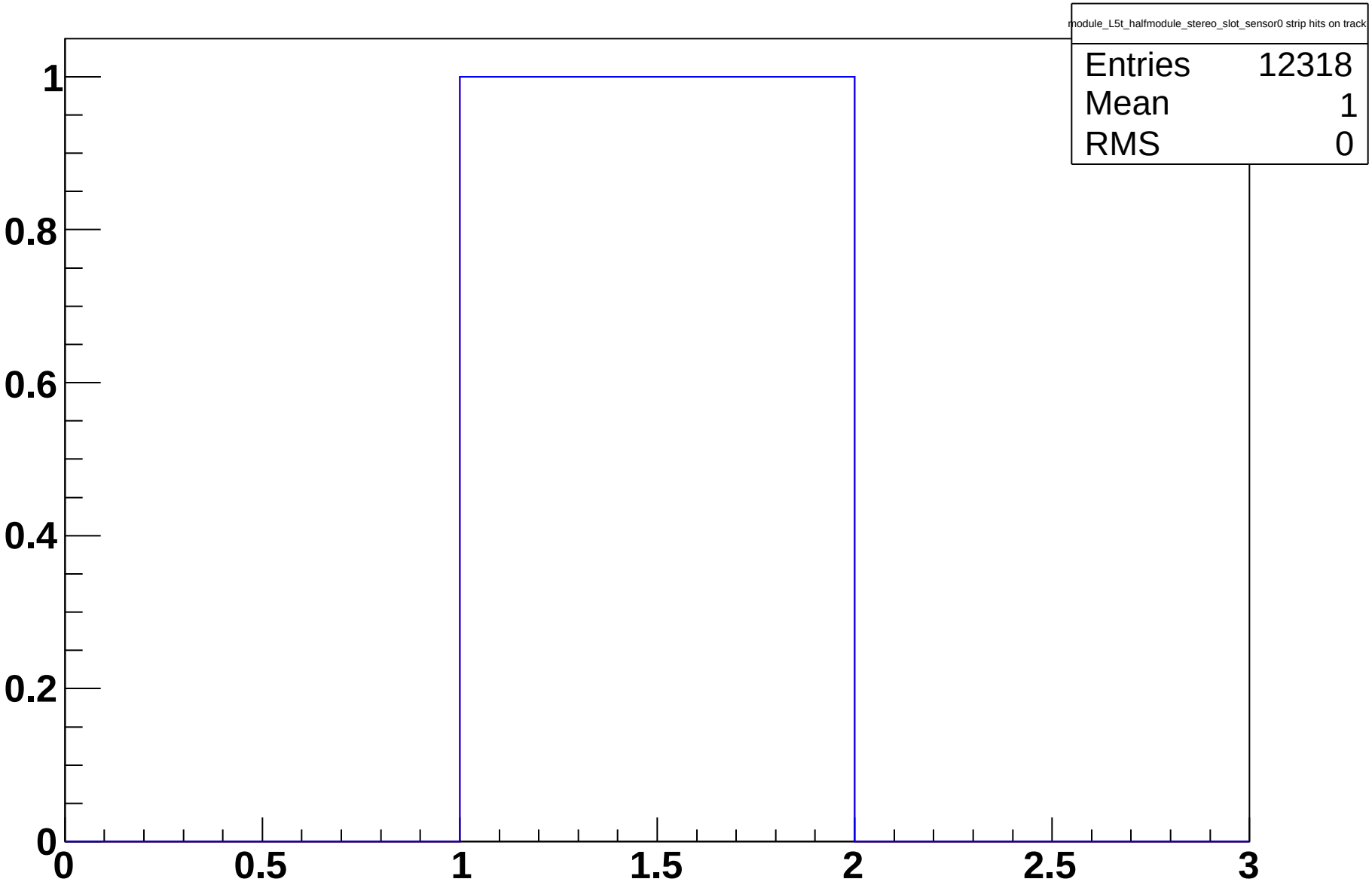

module_L5t_halfmodule_axial_slot_sensor0 strip residual (mm)
module_L5t_halfmodule_axial_slot_sensor0 strip residual (mm)
Entries 12276
Mean –0.1326
RMS 0.8707
0.12
0.1
0.08
0.06
0.04
0.02
0
–4
–3
–2
–1
0
1
2
3
4

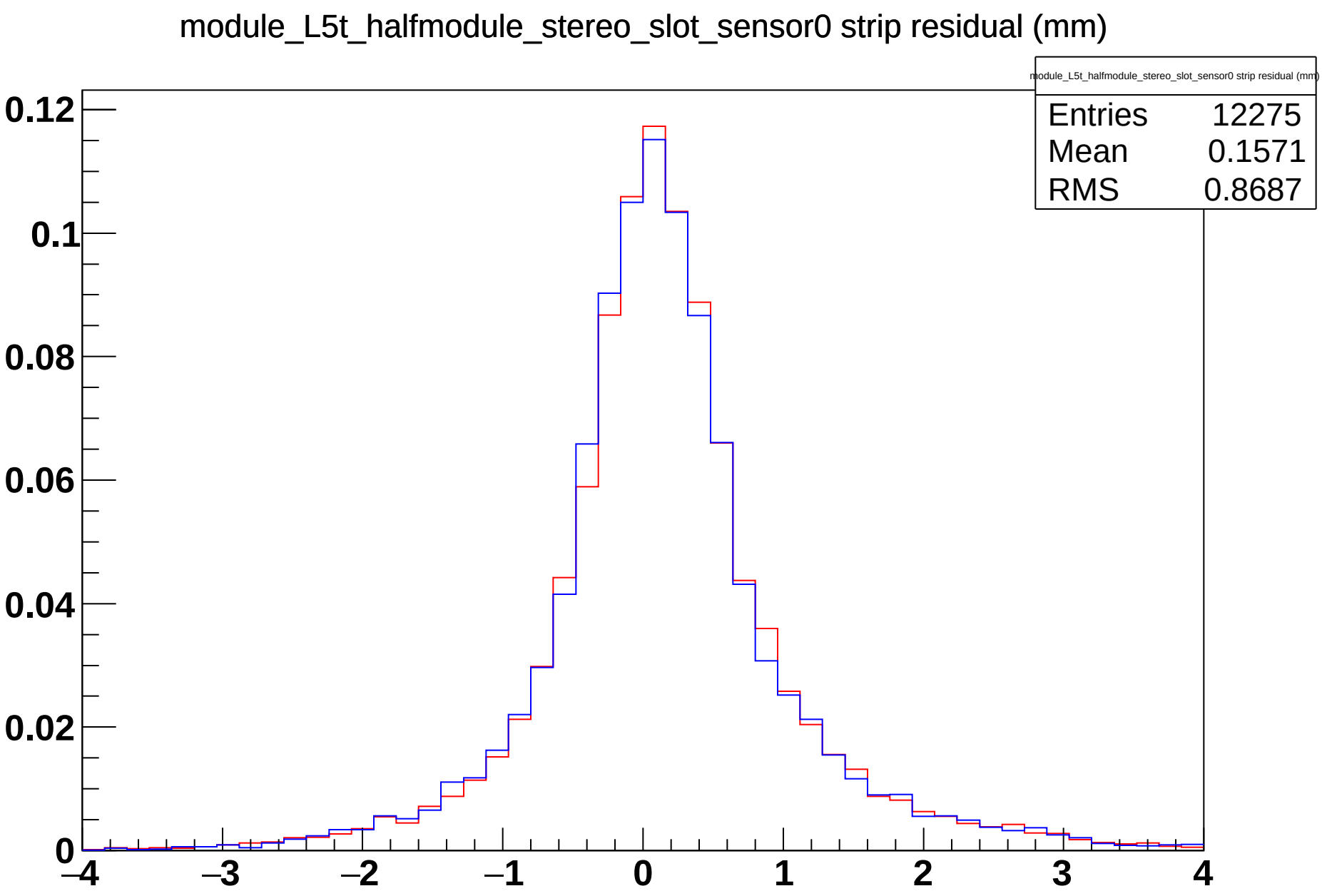

module_L5t_halfmodule_stereo_hole_sensor0 strip hits
module_L5t_halfmodule_stereo_hole_sensor0 strip hits
Entries 121245
Mean 0.3933
RMS 0.9406
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

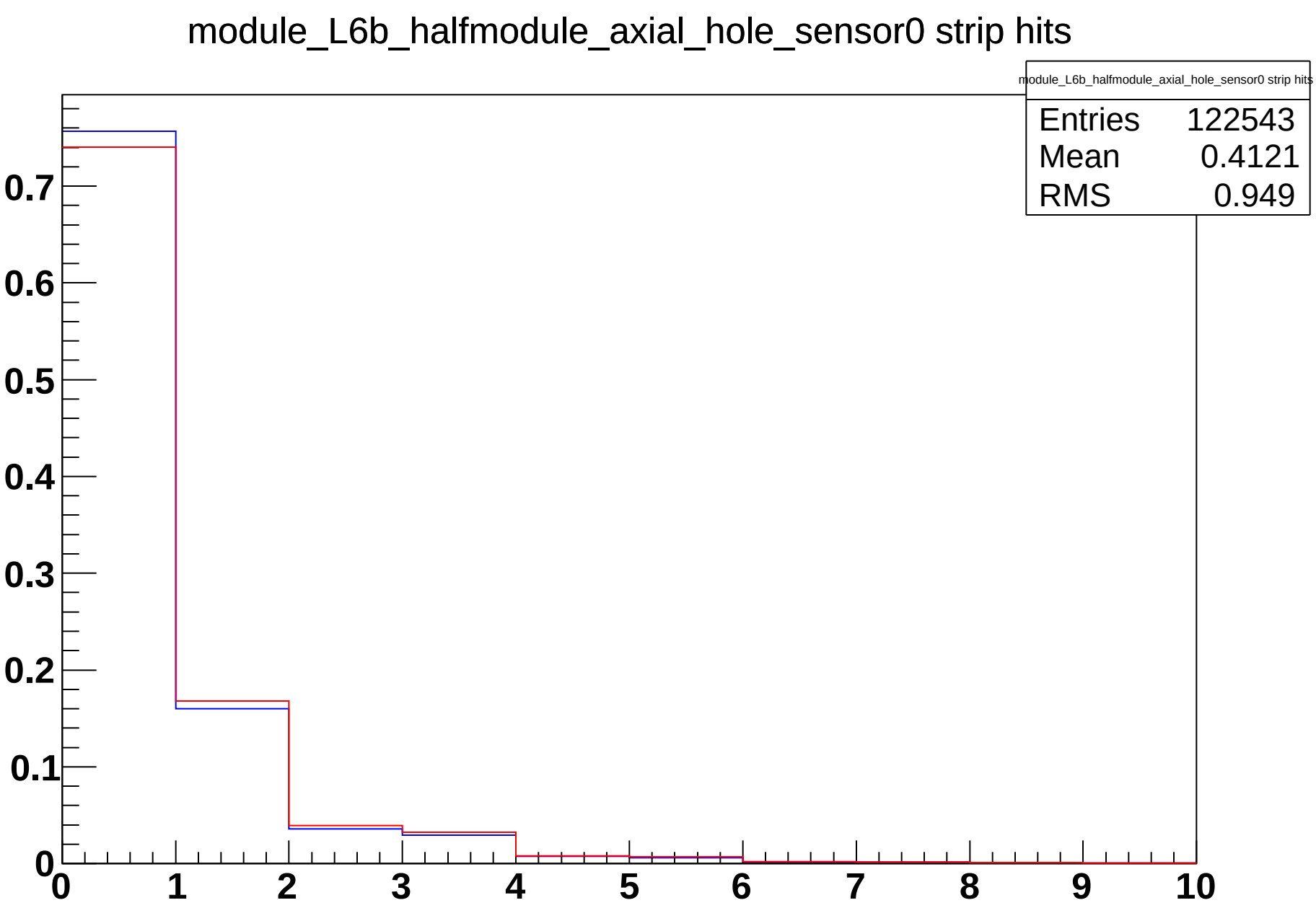

module_L5t_halfmodule_stereo_hole_sensor0 strip hits on track
module_L5t_halfmodule_stereo_hole_sensor0 strip hits on track
Entries 82453
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

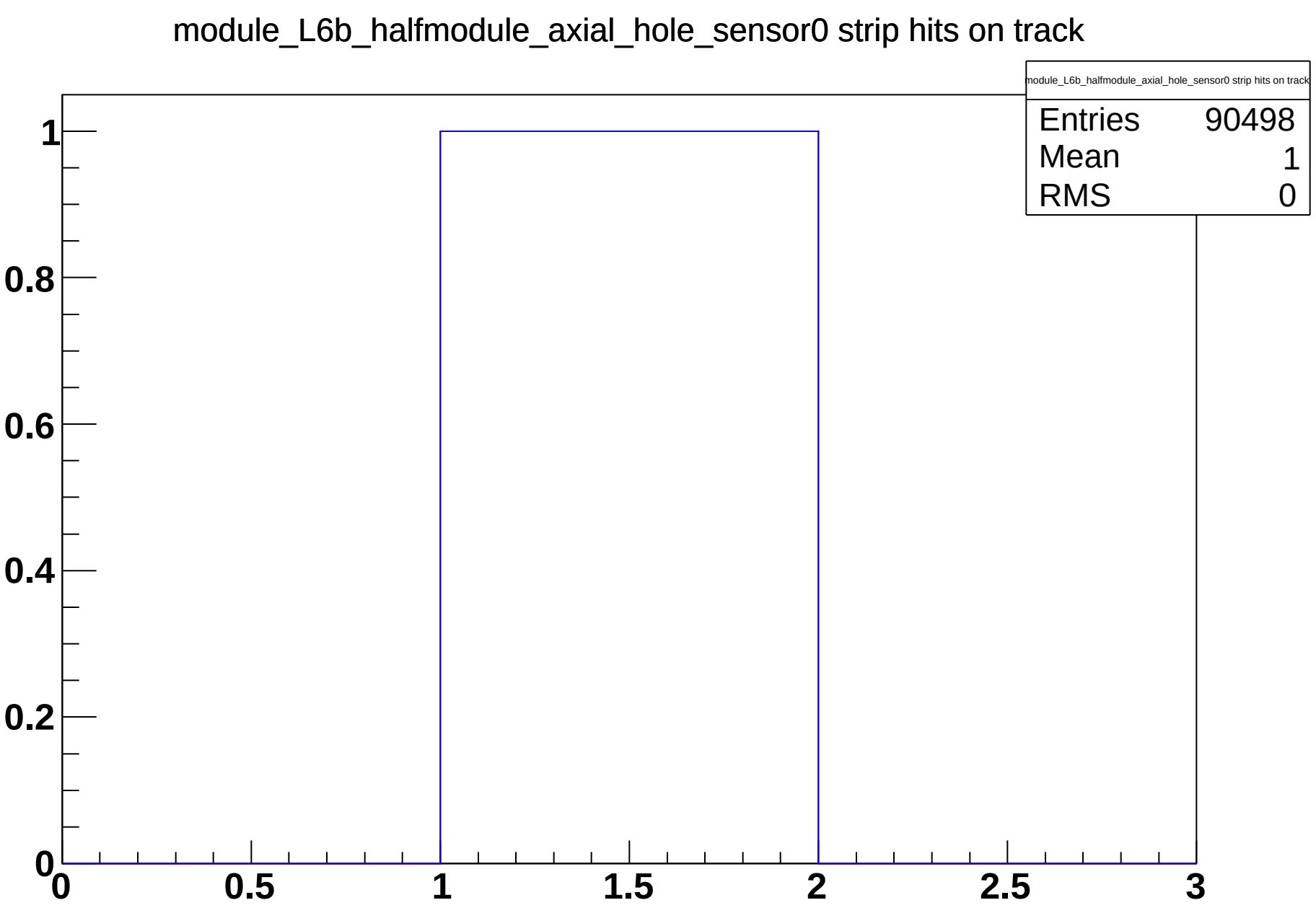

module_L5t_halfmodule_stereo_hole_sensor0 strip residual (mm)
module_L5t_halfmodule_stereo_hole_sensor0 strip residual (mm)
Entries 82272
Mean –0.112
RMS 0.7873
0.12
0.1
0.08
0.06
0.04
0.02
0
–4
–3
–2
–1
0
1
2
3
4

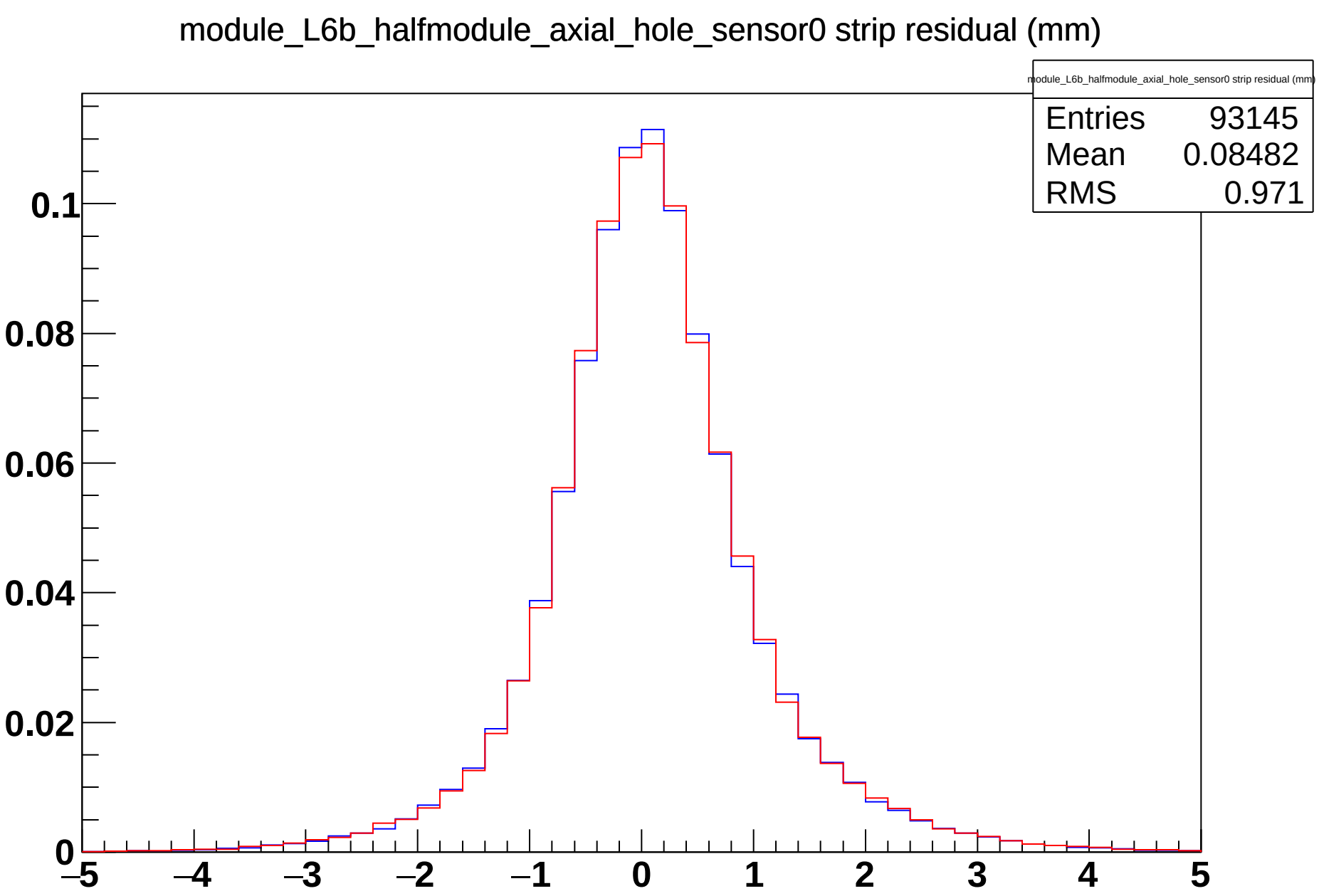

module_L5t_halfmodule_stereo_slot_sensor0 strip hits
module_L5t_halfmodule_stereo_slot_sensor0 strip hits
Entries 27097
Mean 0.166
RMS 0.5765
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

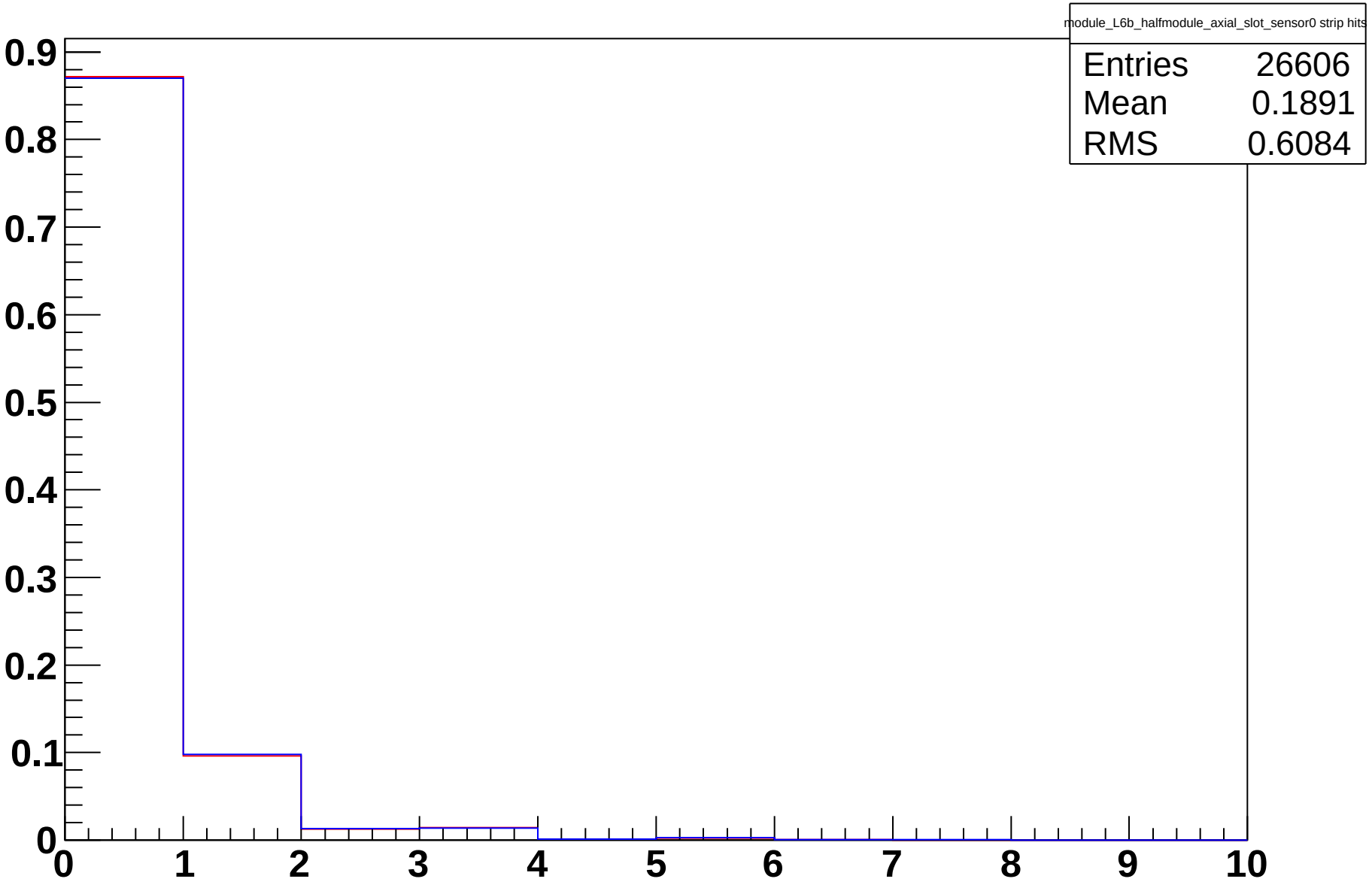

module_L5t_halfmodule_stereo_slot_sensor0 strip hits on track
module_L5t_halfmodule_stereo_slot_sensor0 strip hits on track
Entries 12318
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

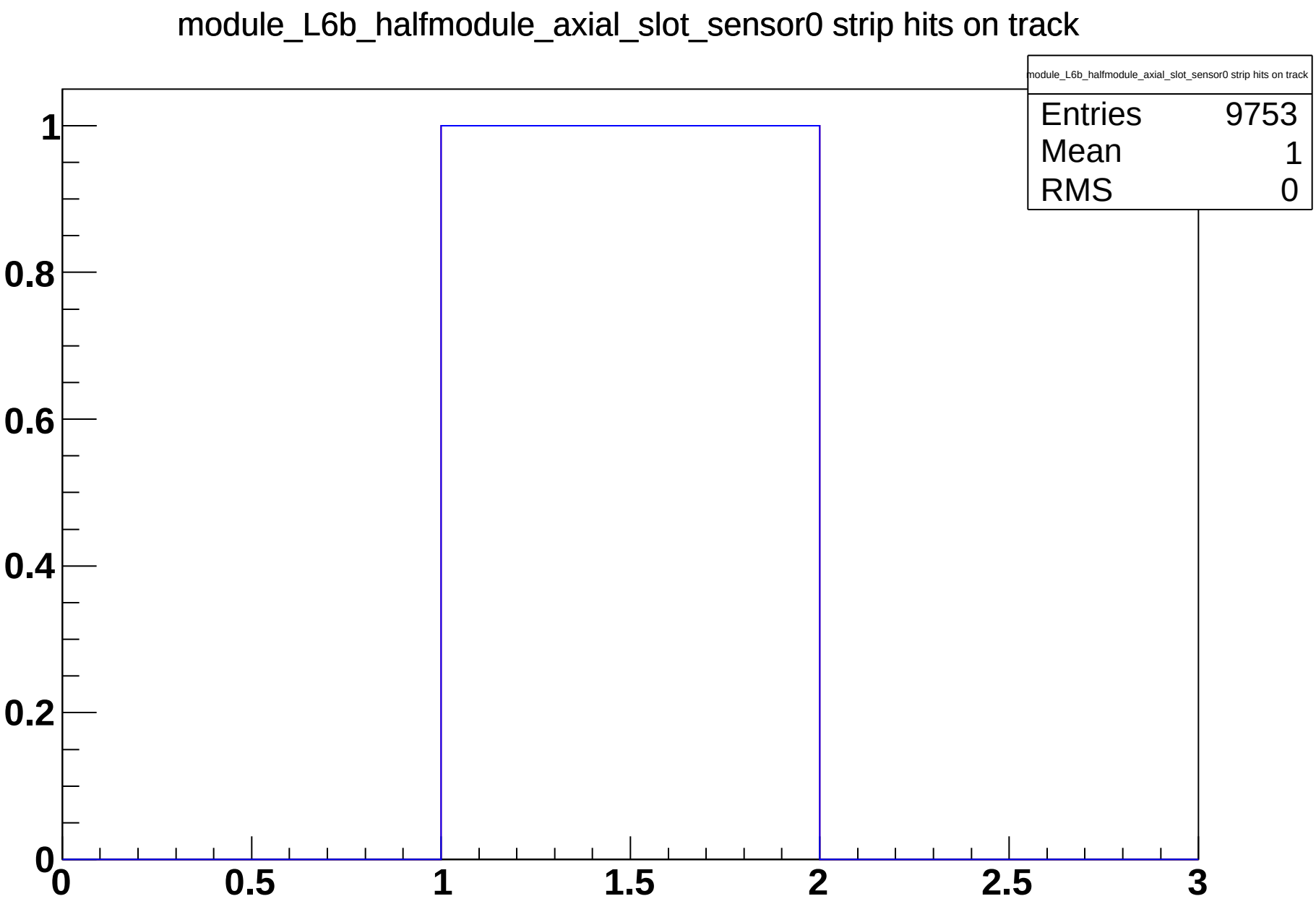

module_L5t_halfmodule_stereo_slot_sensor0 strip residual (mm)
module_L5t_halfmodule_stereo_slot_sensor0 strip residual (mm)
Entries 12275
Mean 0.1571
RMS 0.8687
0.12
0.1
0.08
0.06
0.04
0.02
0
–4
–3
–2
–1
0
1
2
3
4

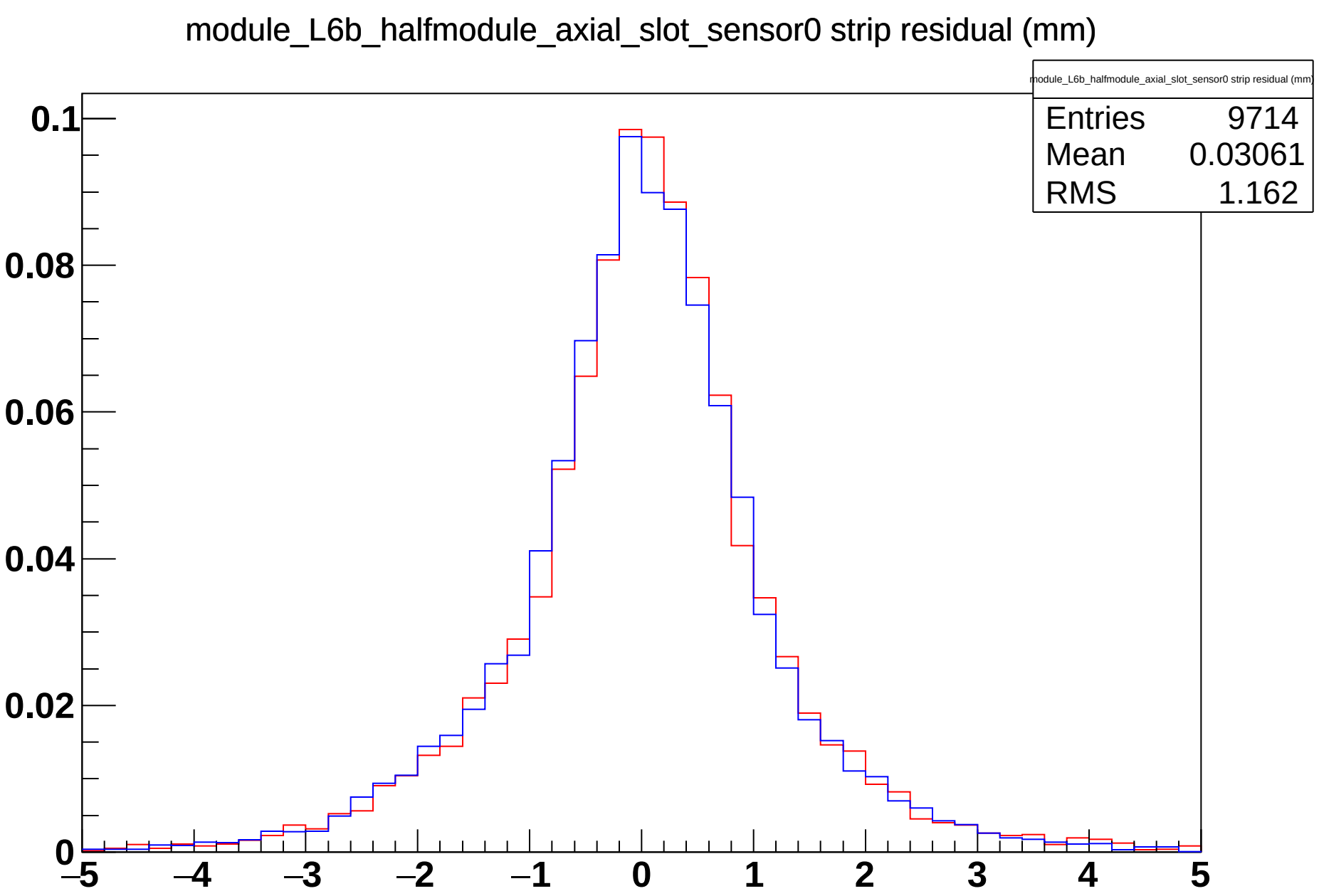

module_L6b_halfmodule_axial_hole_sensor0 strip hits
module_L6b_halfmodule_axial_hole_sensor0 strip hits
Entries 122543
Mean 0.4121
RMS 0.949
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

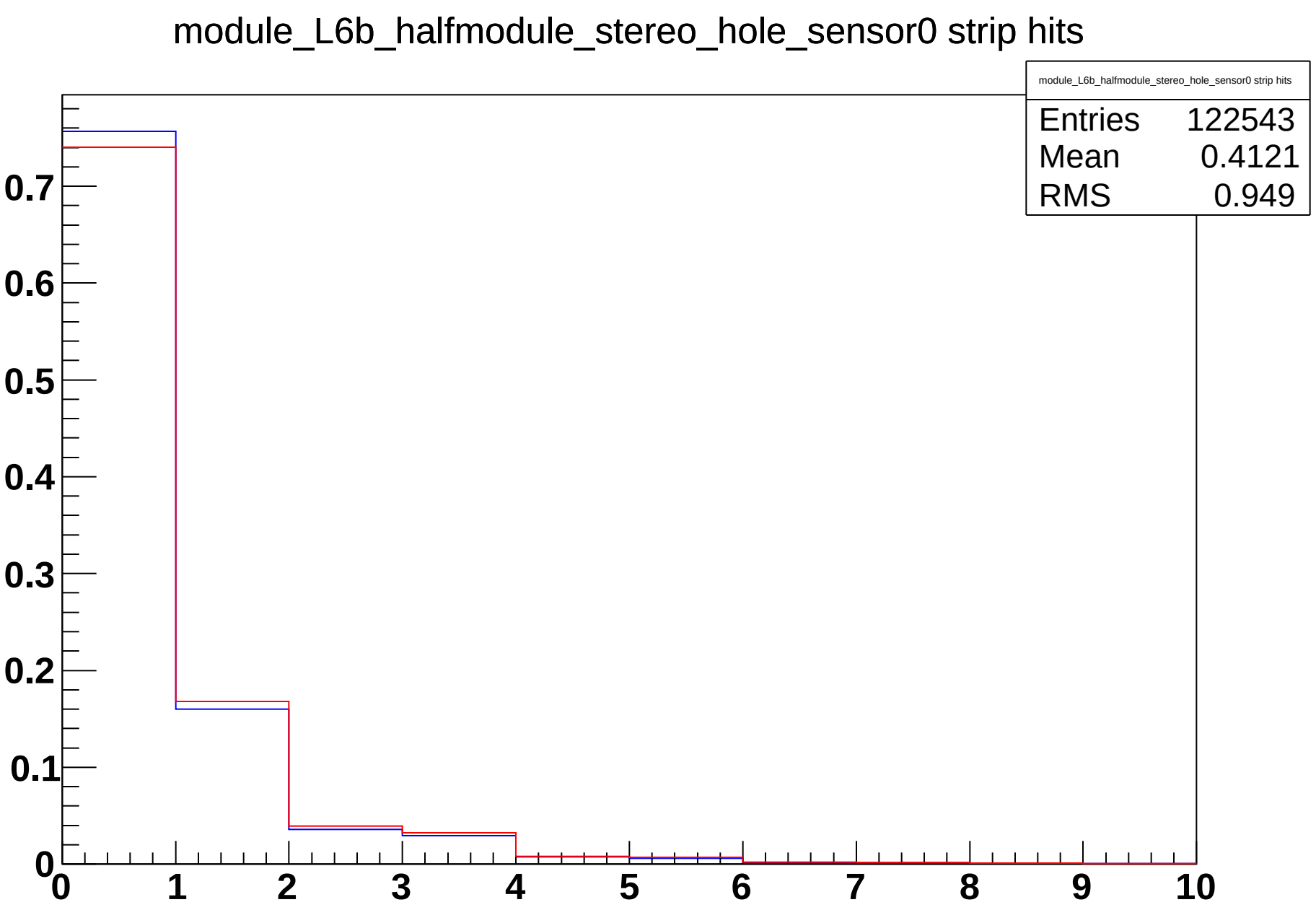

module_L6b_halfmodule_axial_hole_sensor0 strip hits on track
module_L6b_halfmodule_axial_hole_sensor0 strip hits on track
Entries 90498
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

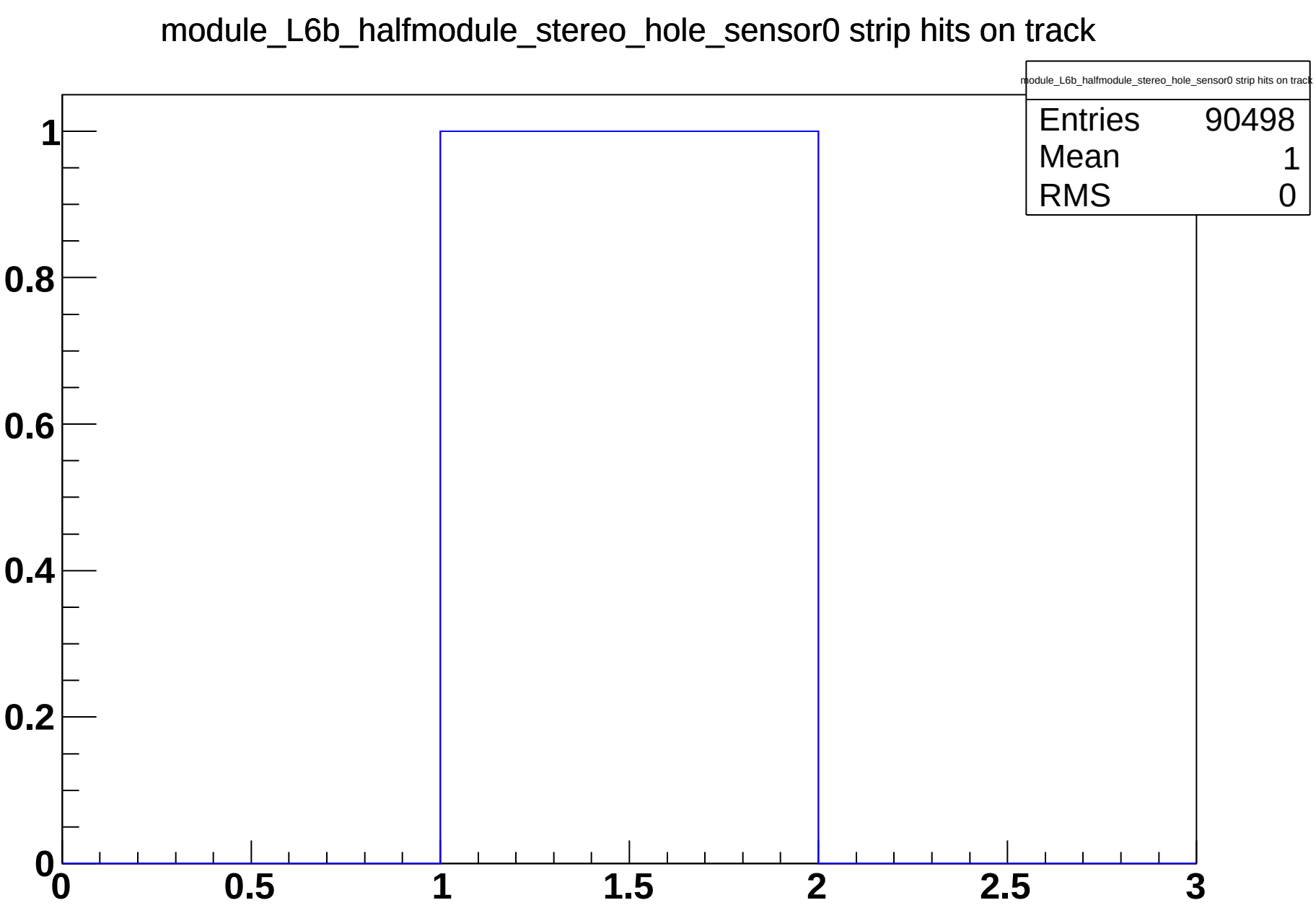

module_L6b_halfmodule_axial_hole_sensor0 strip residual (mm)
module_L6b_halfmodule_axial_hole_sensor0 strip residual (mm)
Entries 93145
Mean 0.08482
RMS 0.971
0.1
0.08
0.06
0.04
0.02
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

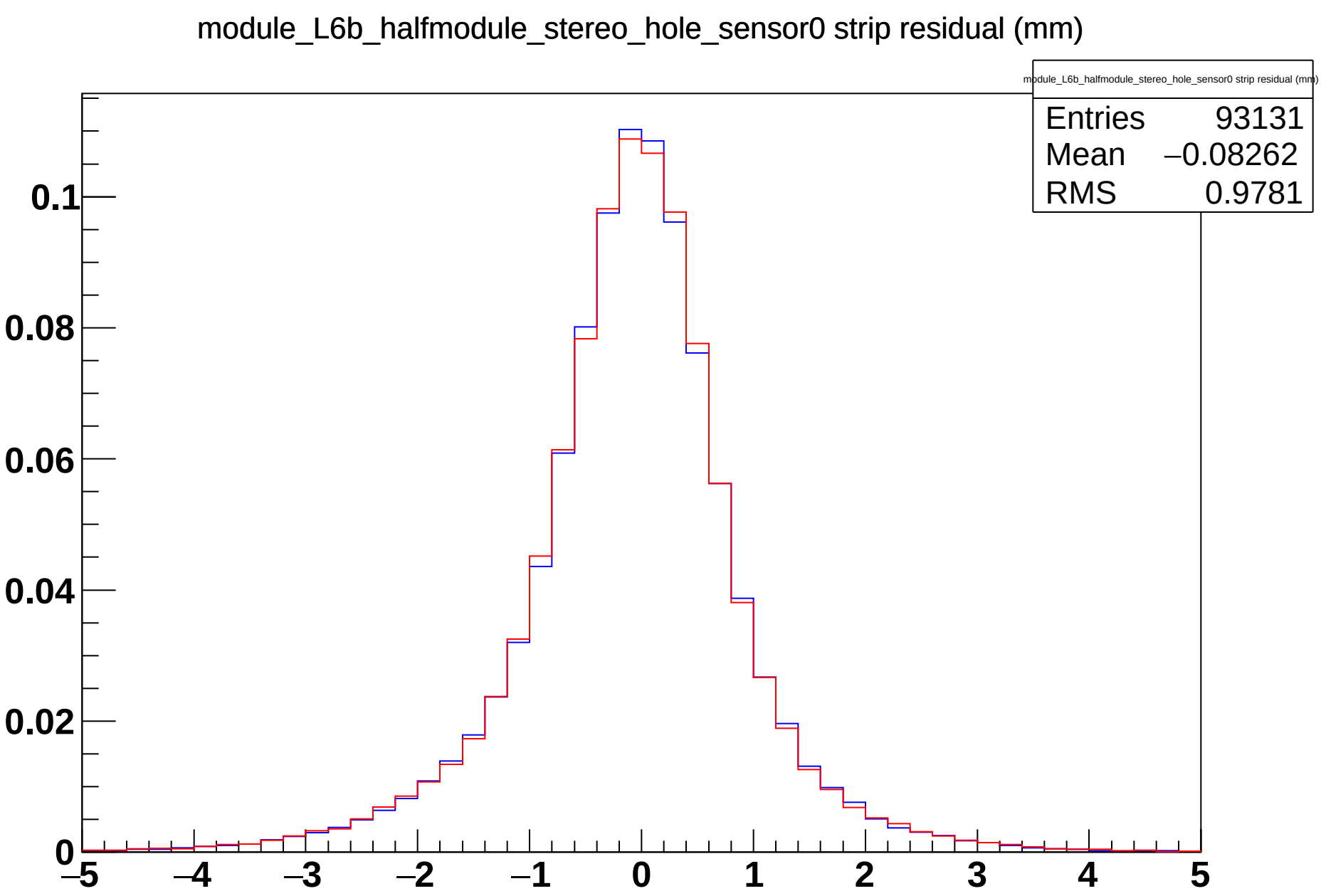

module_L6b_halfmodule_axial_slot_sensor0 strip hits
module_L6b_halfmodule_axial_slot_sensor0 strip hits
Entries 26606
Mean 0.1891
RMS 0.6084
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

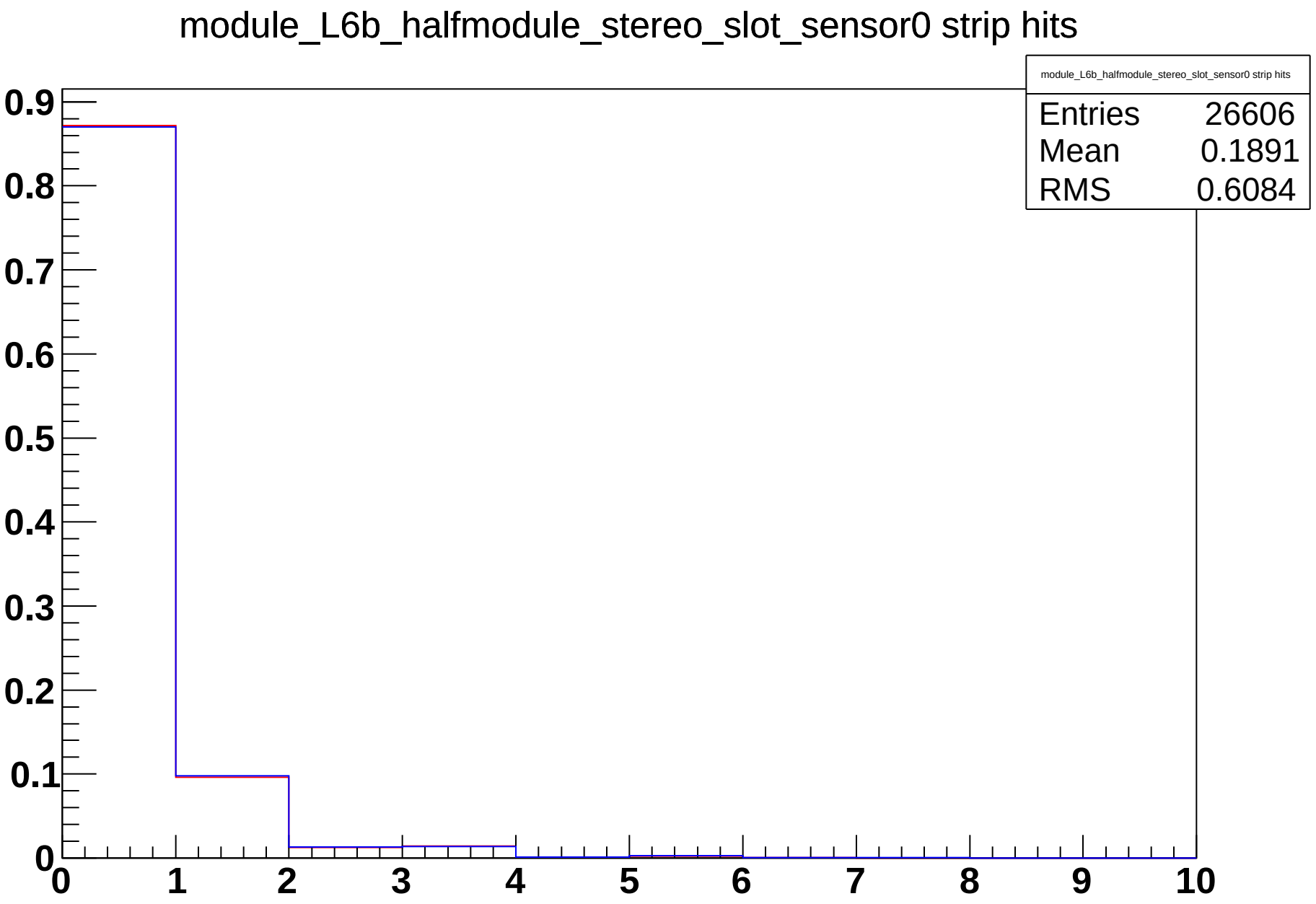

module_L6b_halfmodule_axial_slot_sensor0 strip hits on track
module_L6b_halfmodule_axial_slot_sensor0 strip hits on track
Entries 9753
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

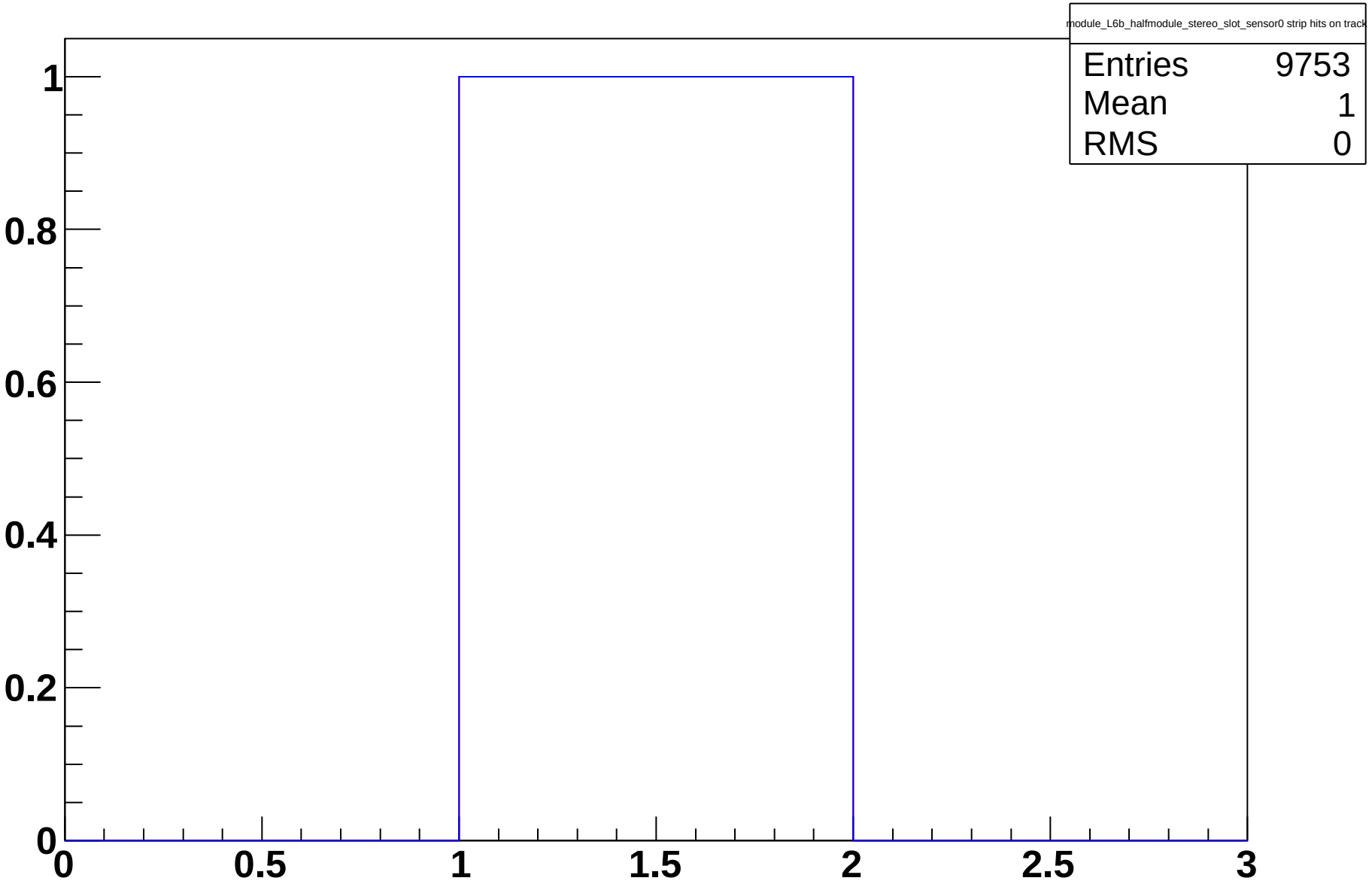

module_L6b_halfmodule_axial_slot_sensor0 strip residual (mm)
module_L6b_halfmodule_axial_slot_sensor0 strip residual (mm)
Entries 9714
Mean 0.03061
RMS 1.162
0.1
0.08
0.06
0.04
0.02
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

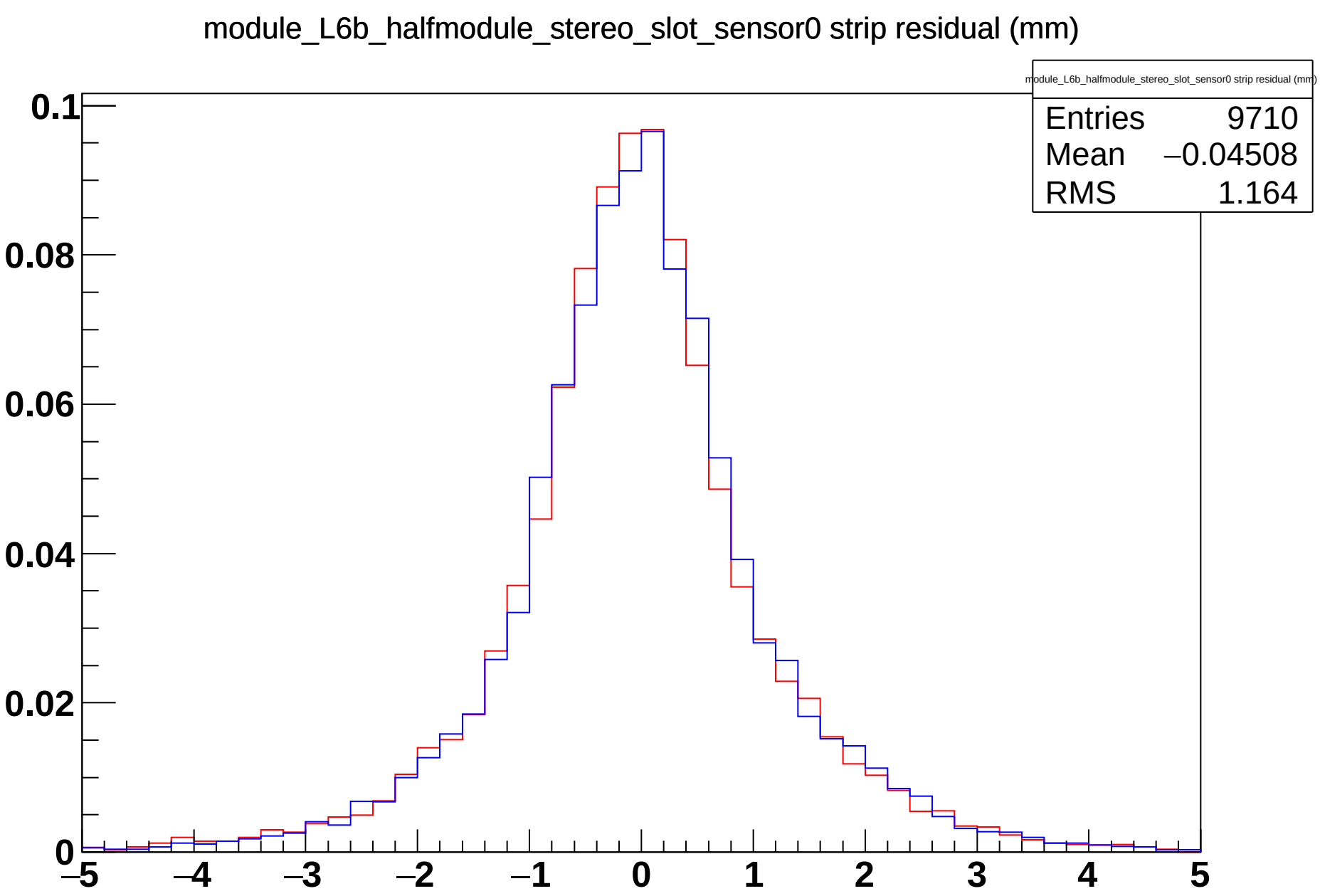

module_L6b_halfmodule_stereo_hole_sensor0 strip hits
module_L6b_halfmodule_stereo_hole_sensor0 strip hits
Entries 122543
Mean 0.4121
RMS 0.949
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

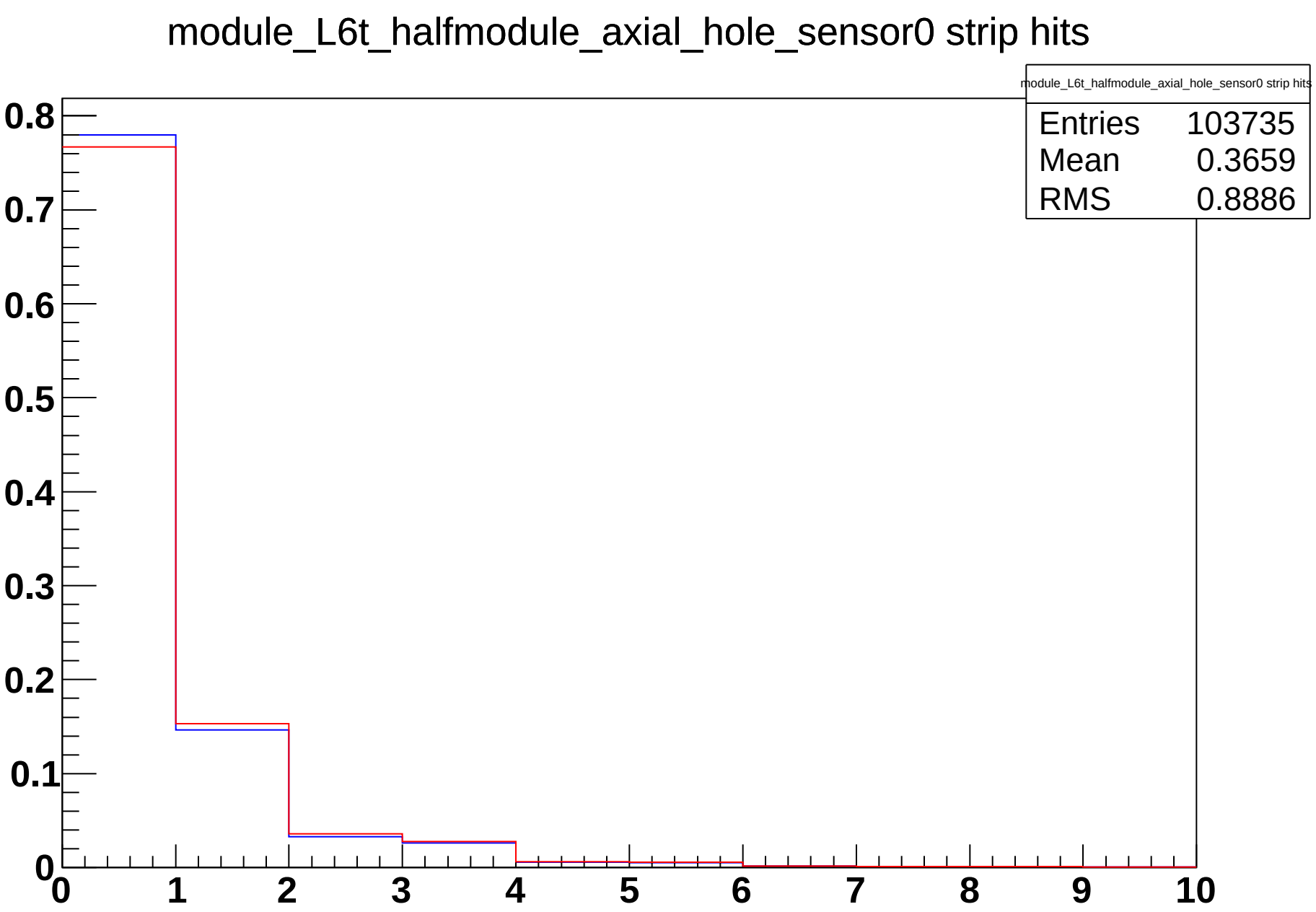

module_L6b_halfmodule_stereo_hole_sensor0 strip hits on track
module_L6b_halfmodule_stereo_hole_sensor0 strip hits on track
Entries 90498
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

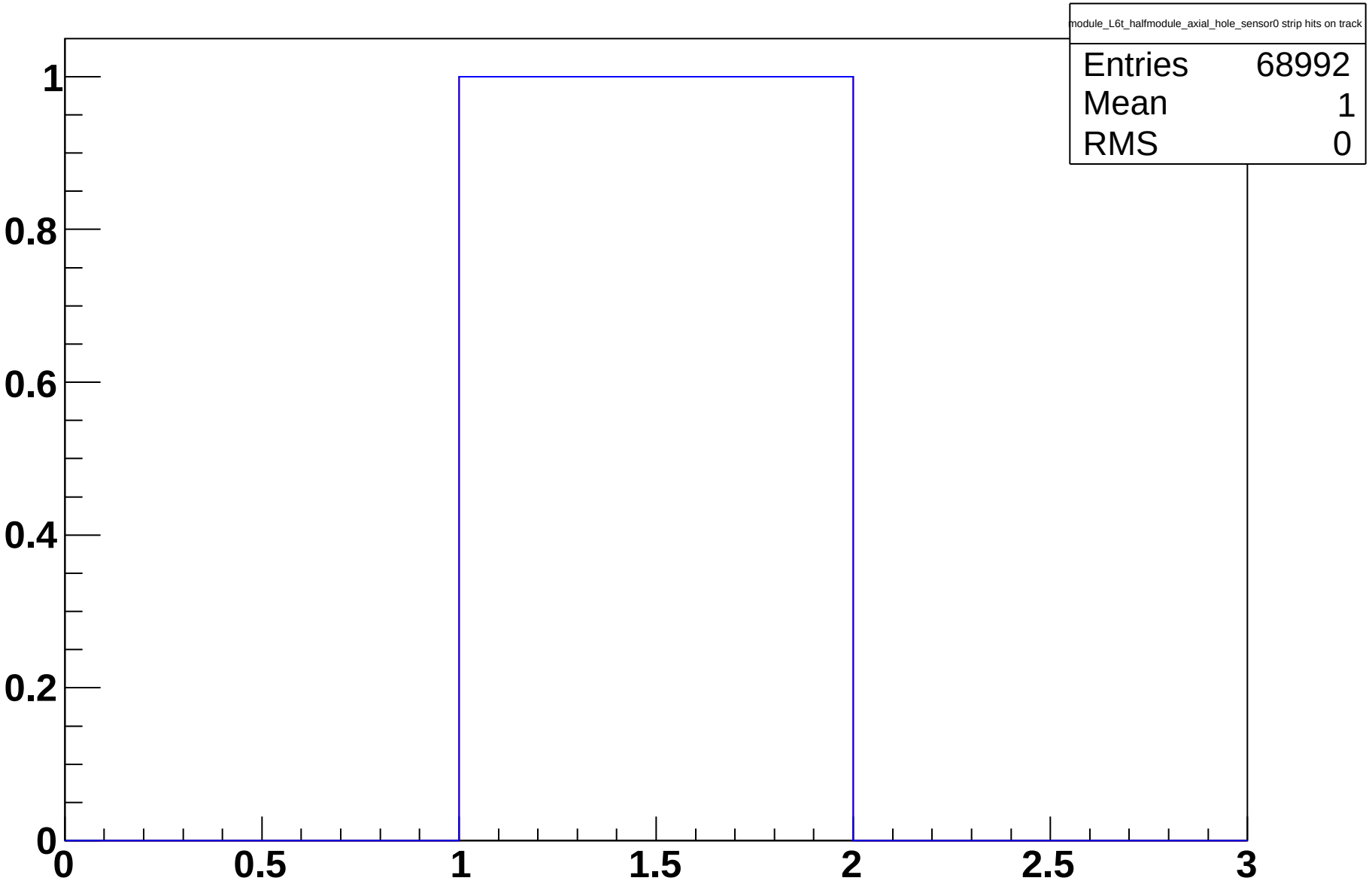

module_L6b_halfmodule_stereo_hole_sensor0 strip residual (mm)
module_L6b_halfmodule_stereo_hole_sensor0 strip residual (mm)
Entries 93131
Mean −0.08262
RMS 0.9781
0.1
0.08
0.06
0.04
0.02
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

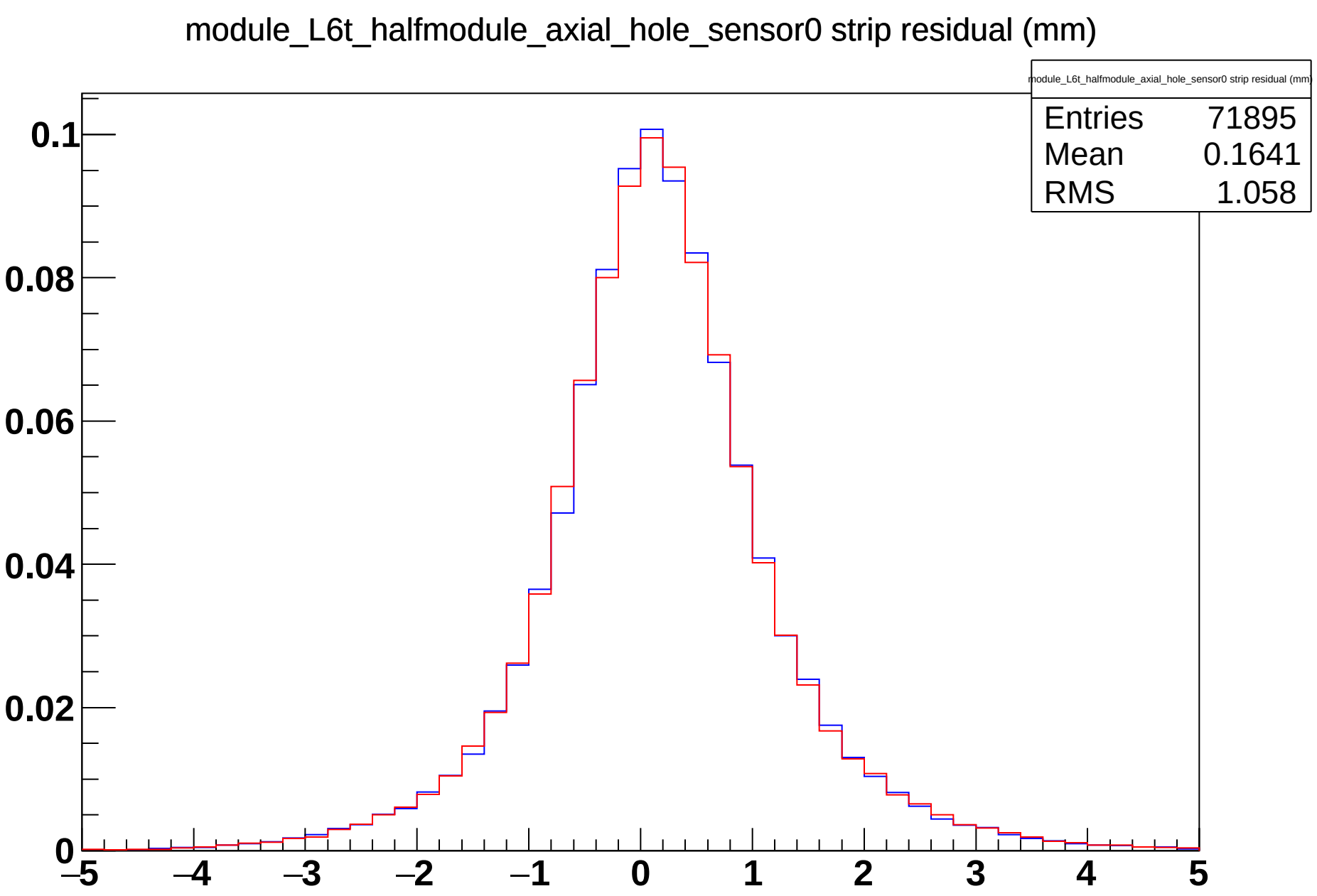

module_L6b_halfmodule_stereo_slot_sensor0 strip hits
module_L6b_halfmodule_stereo_slot_sensor0 strip hits
Entries 26606
Mean 0.1891
RMS 0.6084
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

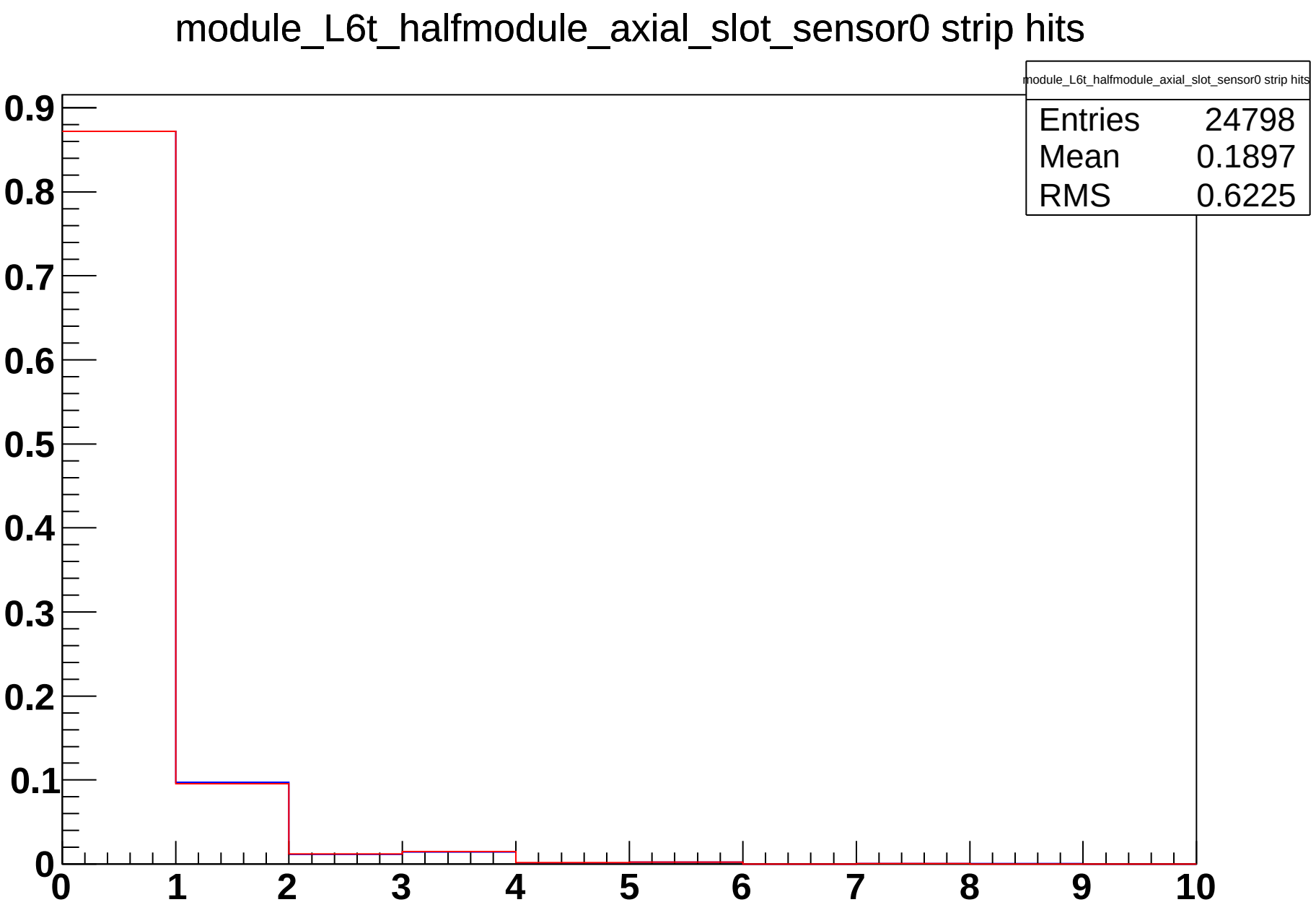

module_L6b_halfmodule_stereo_slot_sensor0 strip hits on track
module_L6b_halfmodule_stereo_slot_sensor0 strip hits on track
Entries 9753
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

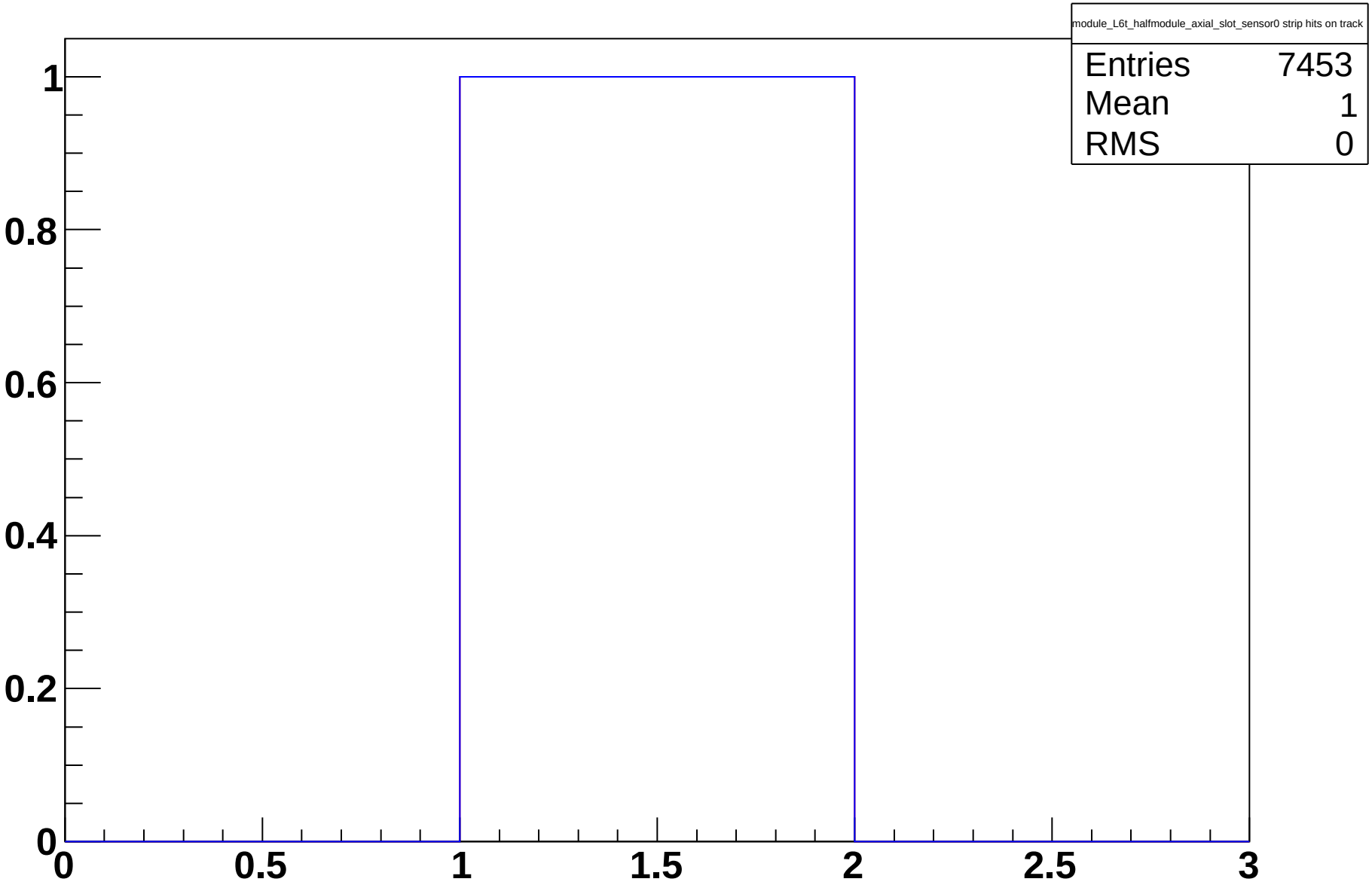

module_L6b_halfmodule_stereo_slot_sensor0 strip residual (mm)
module_L6b_halfmodule_stereo_slot_sensor0 strip residual (mm)
Entries 9710
Mean −0.04508
RMS 1.164
0.1
0.08
0.06
0.04
0.02
0
−5
−4
−3
−2
−1
0
1
2
3
4
5

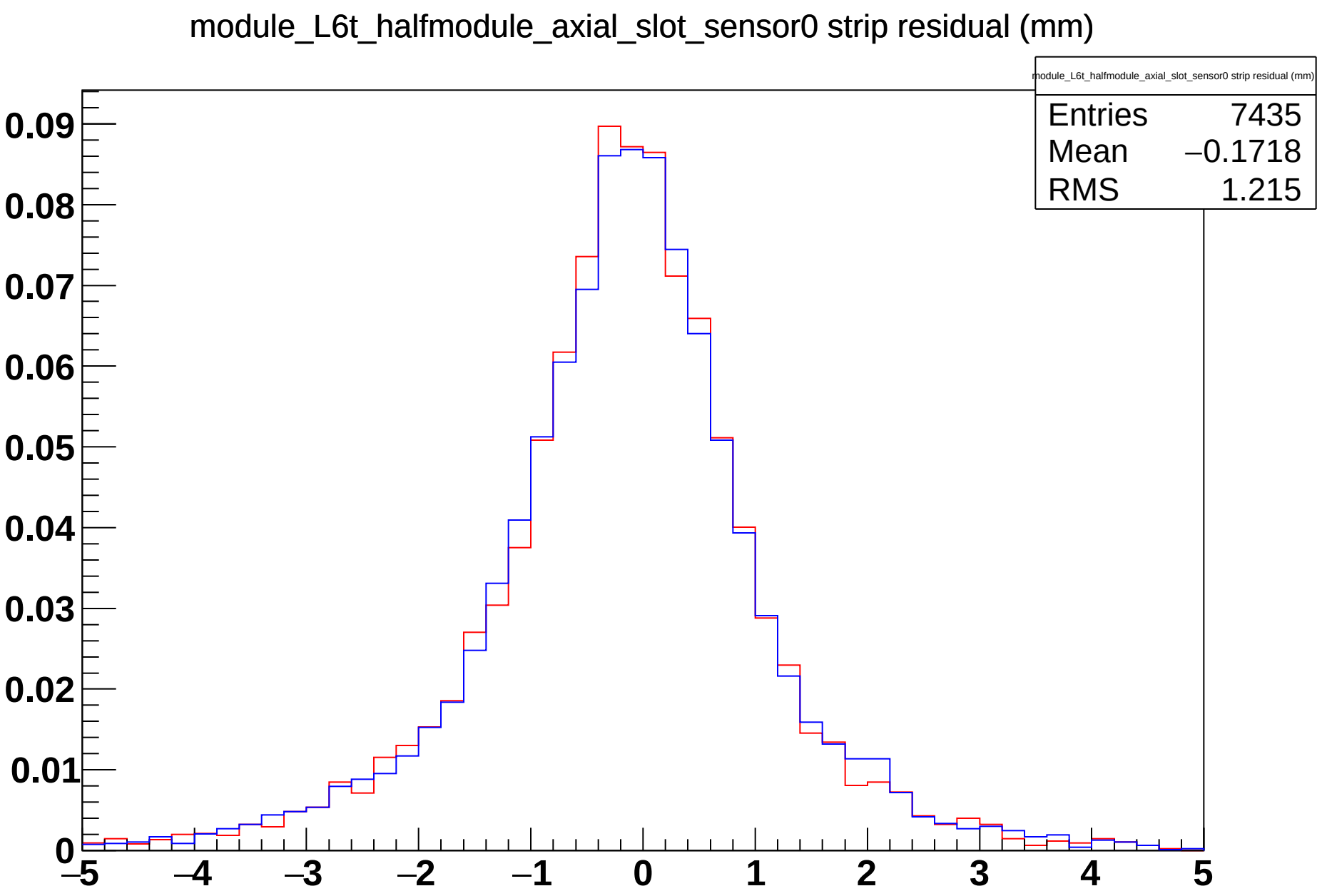

module_L6t_halfmodule_axial_hole_sensor0 strip hits
module_L6t_halfmodule_axial_hole_sensor0 strip hits
Entries 103735
Mean 0.3659
RMS 0.8886
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

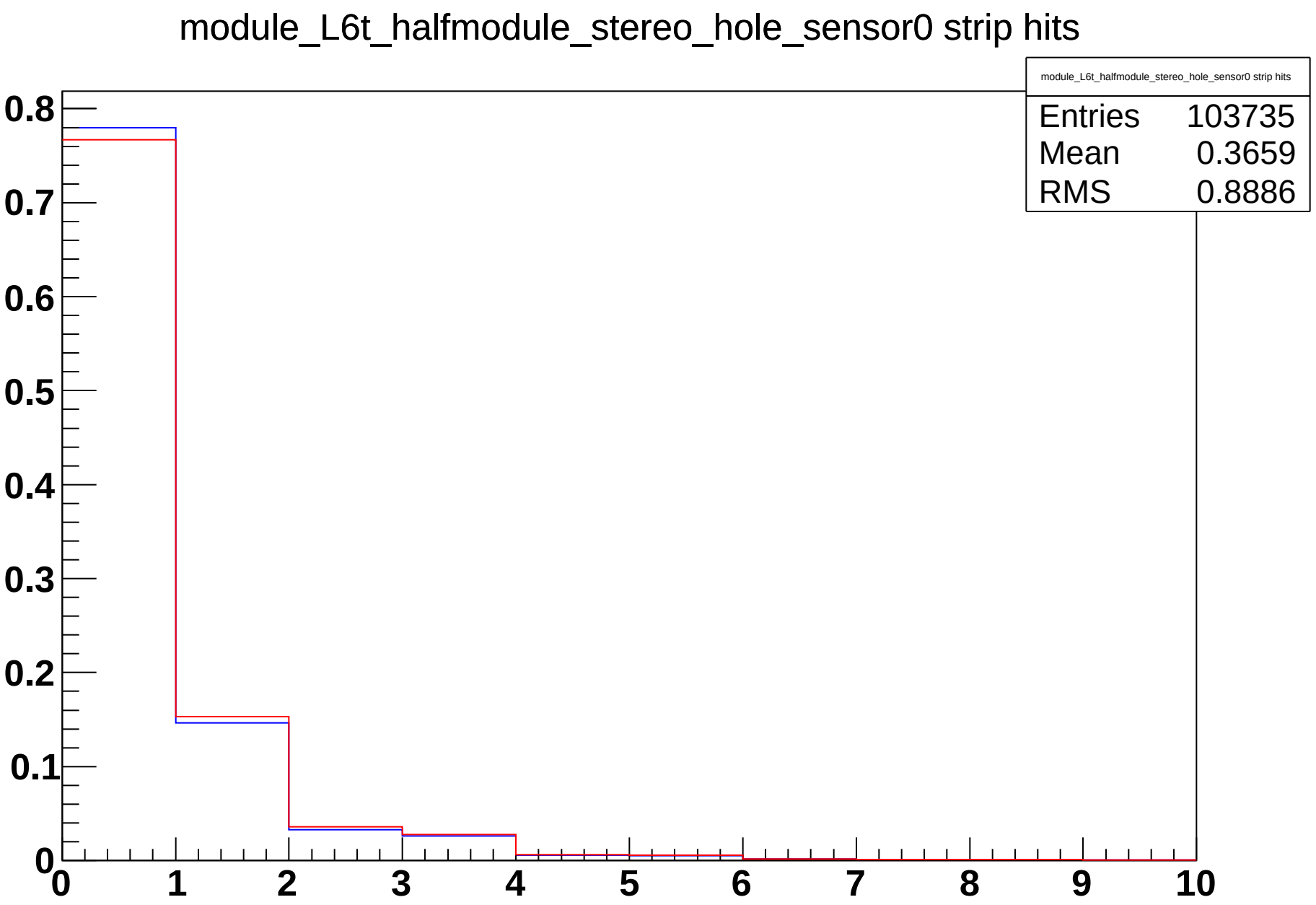

module_L6t_halfmodule_axial_hole_sensor0 strip hits on track
module_L6t_halfmodule_axial_hole_sensor0 strip hits on track
Entries 68992
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

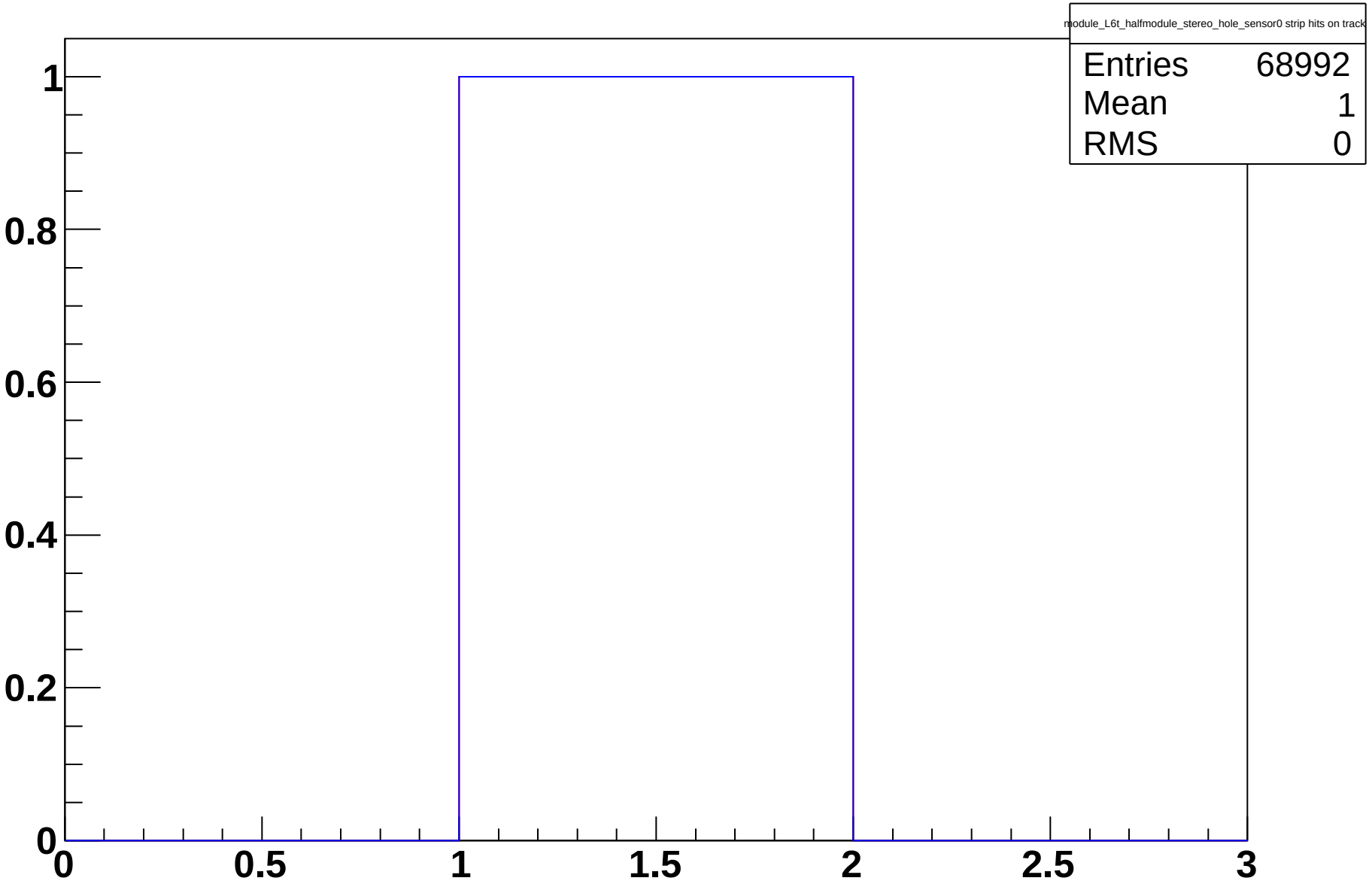

module_L6t_halfmodule_axial_hole_sensor0 strip residual (mm)
module_L6t_halfmodule_axial_hole_sensor0 strip residual (mm)
Entries 71895
Mean 0.1641
RMS 1.058
0.1
0.08
0.06
0.04
0.02
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

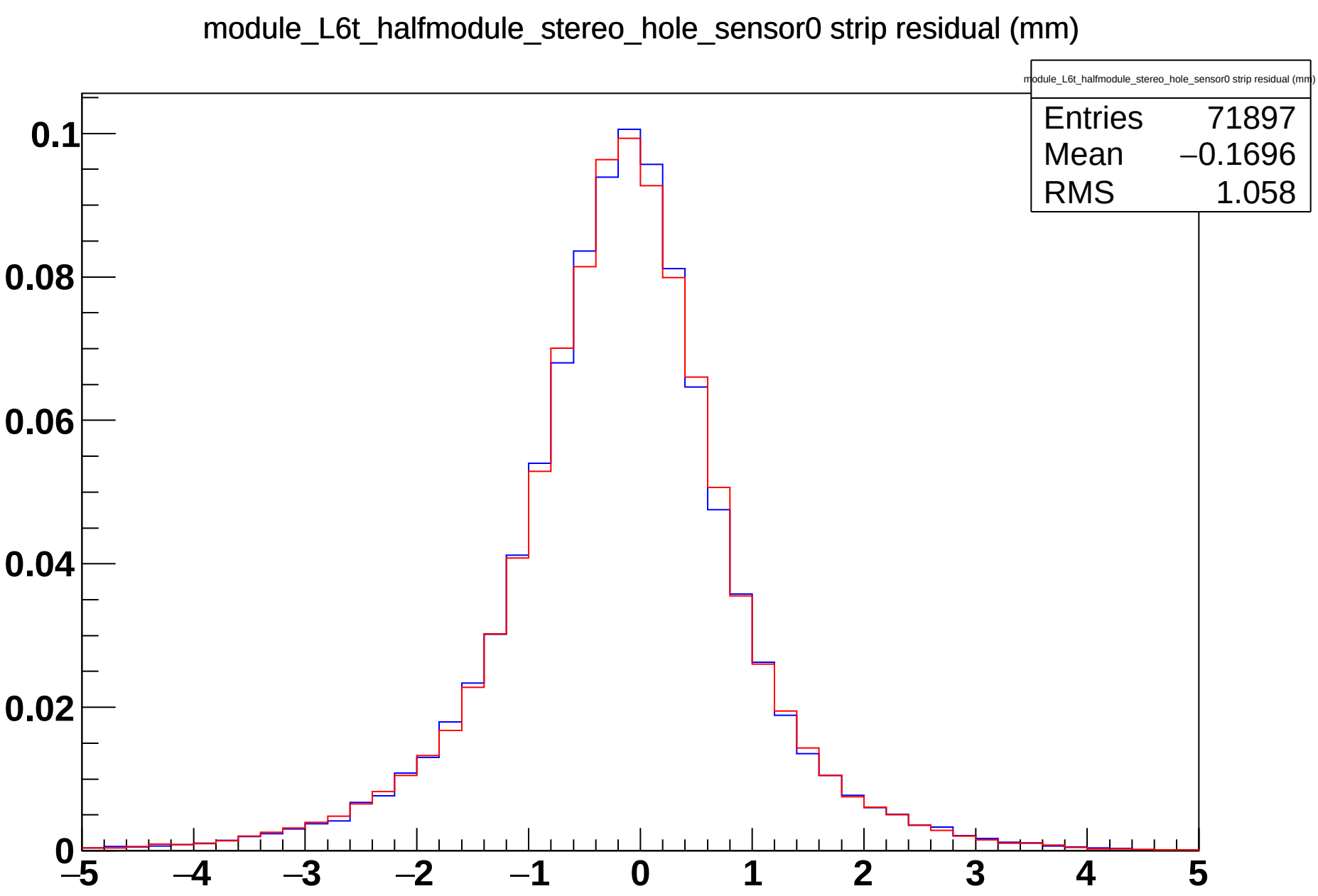

module_L6t_halfmodule_axial_slot_sensor0 strip hits
module_L6t_halfmodule_axial_slot_sensor0 strip hits
Entries 24798
Mean 0.1897
RMS 0.6225
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

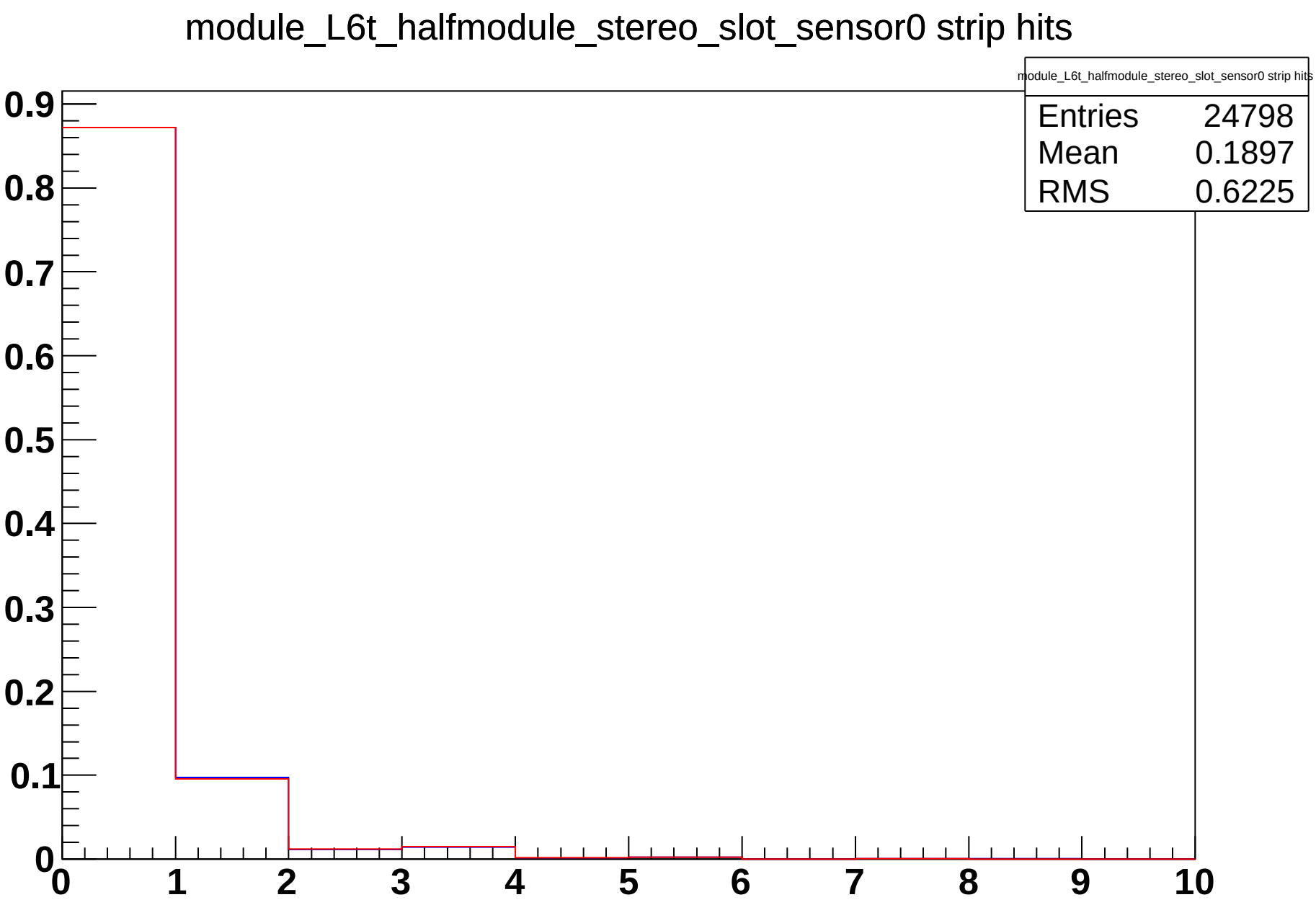

module_L6t_halfmodule_axial_slot_sensor0 strip hits on track
module_L6t_halfmodule_axial_slot_sensor0 strip hits on track
Entries 7453
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

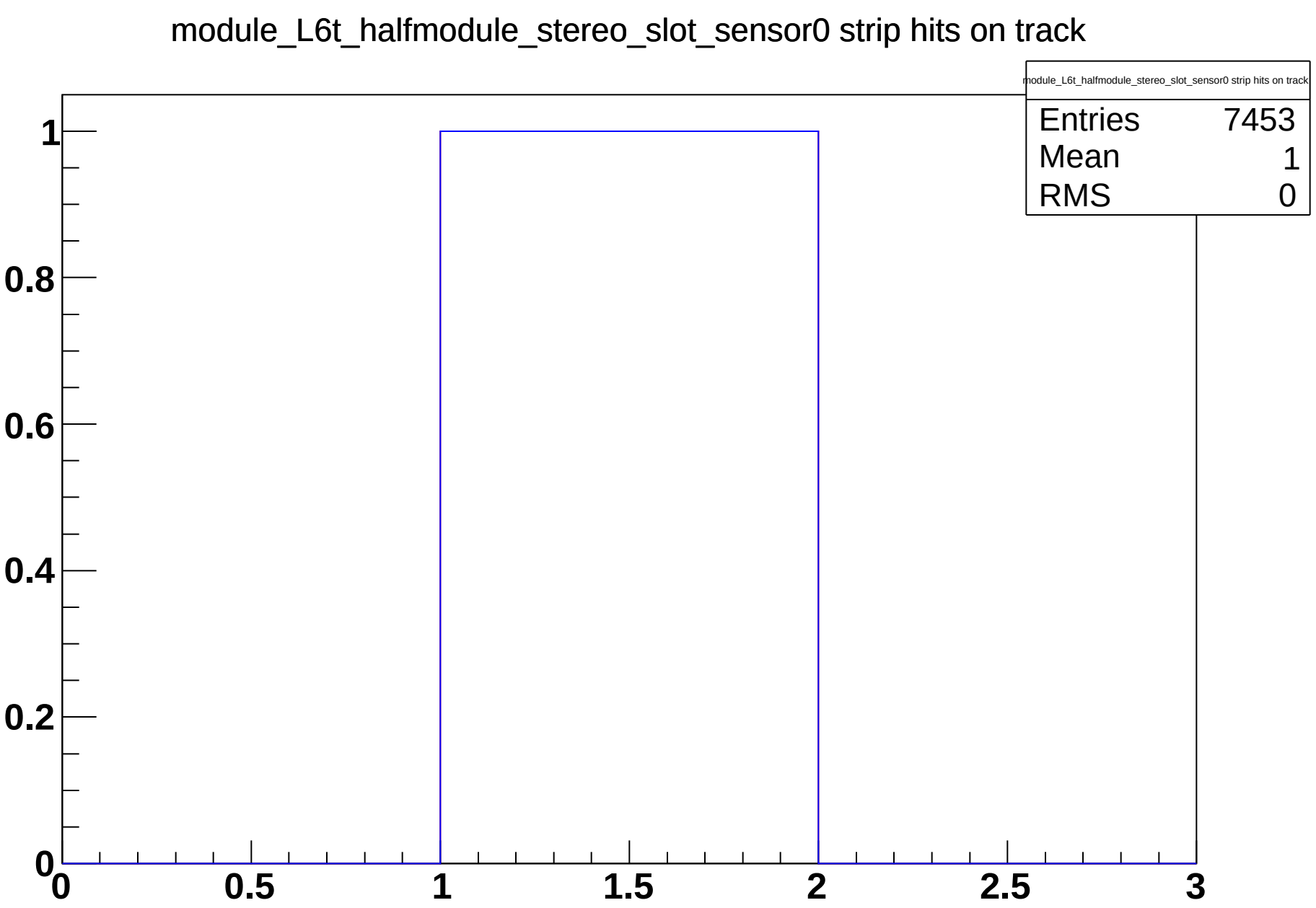

module_L6t_halfmodule_axial_slot_sensor0 strip residual (mm)
module_L6t_halfmodule_axial_slot_sensor0 strip residual (mm)
Entries 7435
Mean –0.1718
RMS 1.215
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

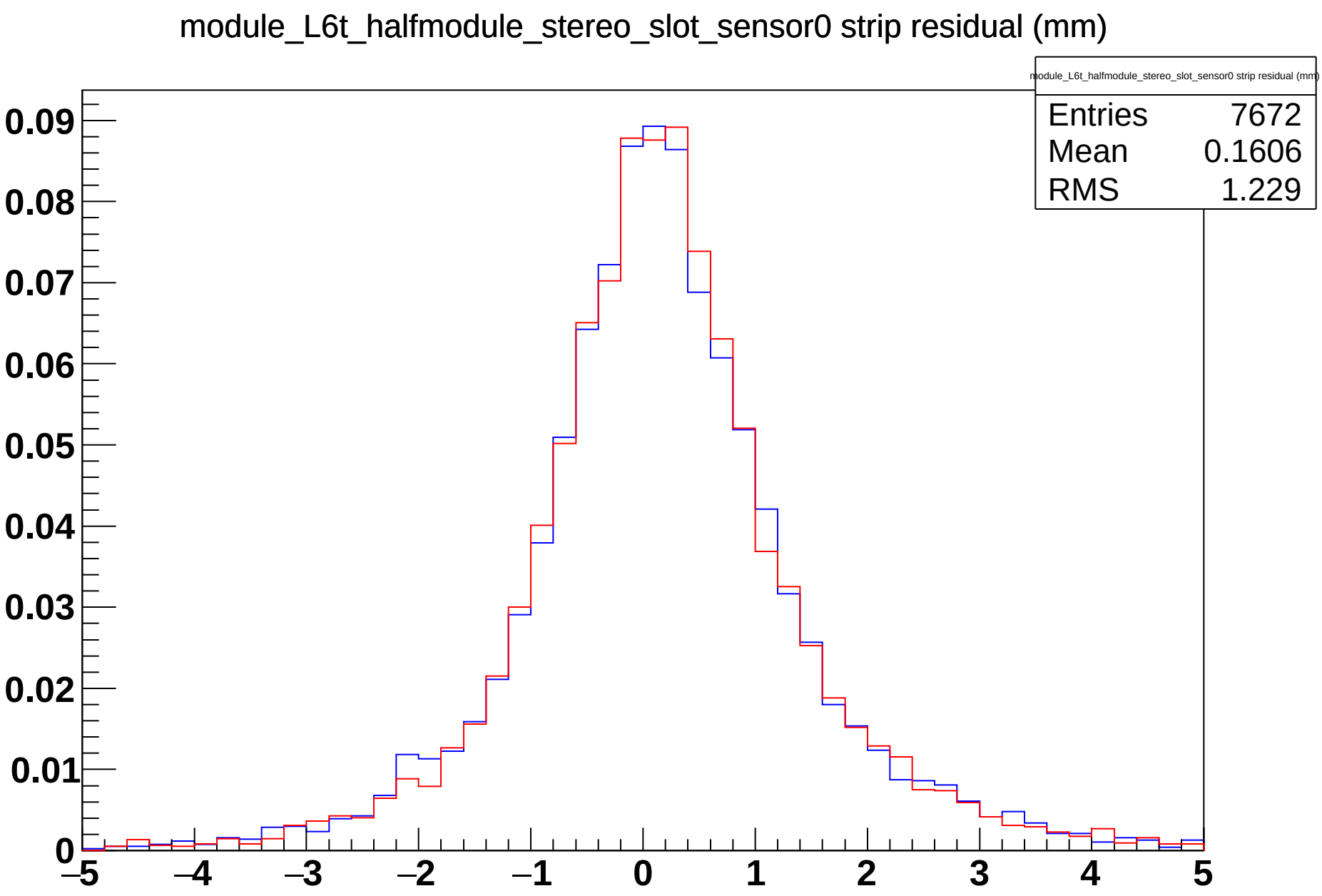

module_L6t_halfmodule_stereo_hole_sensor0 strip hits
module_L6t_halfmodule_stereo_hole_sensor0 strip hits
Entries 103735
Mean 0.3659
RMS 0.8886
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

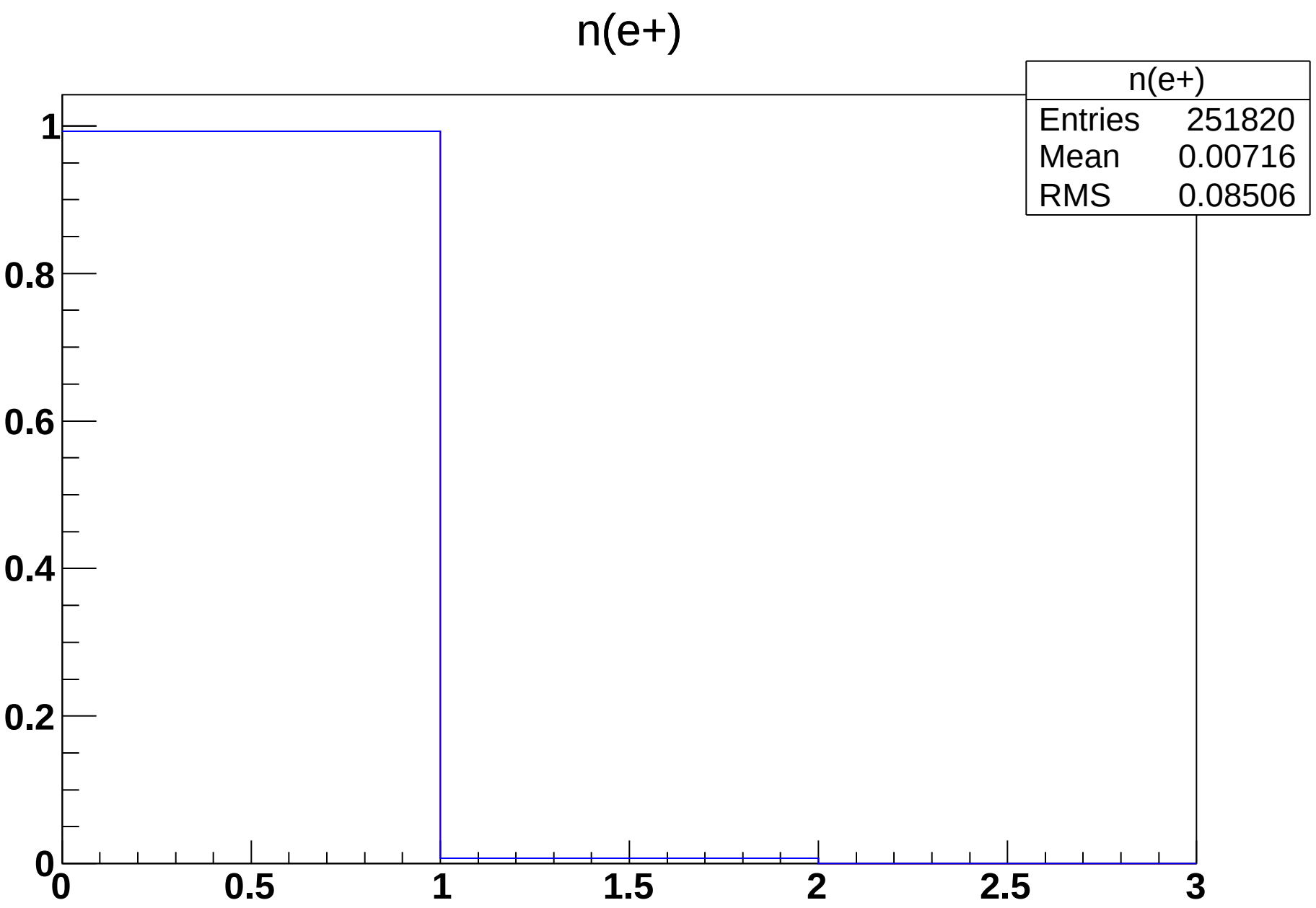

module_L6t_halfmodule_stereo_hole_sensor0 strip hits on track
module_L6t_halfmodule_stereo_hole_sensor0 strip hits on track
Entries 68992
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

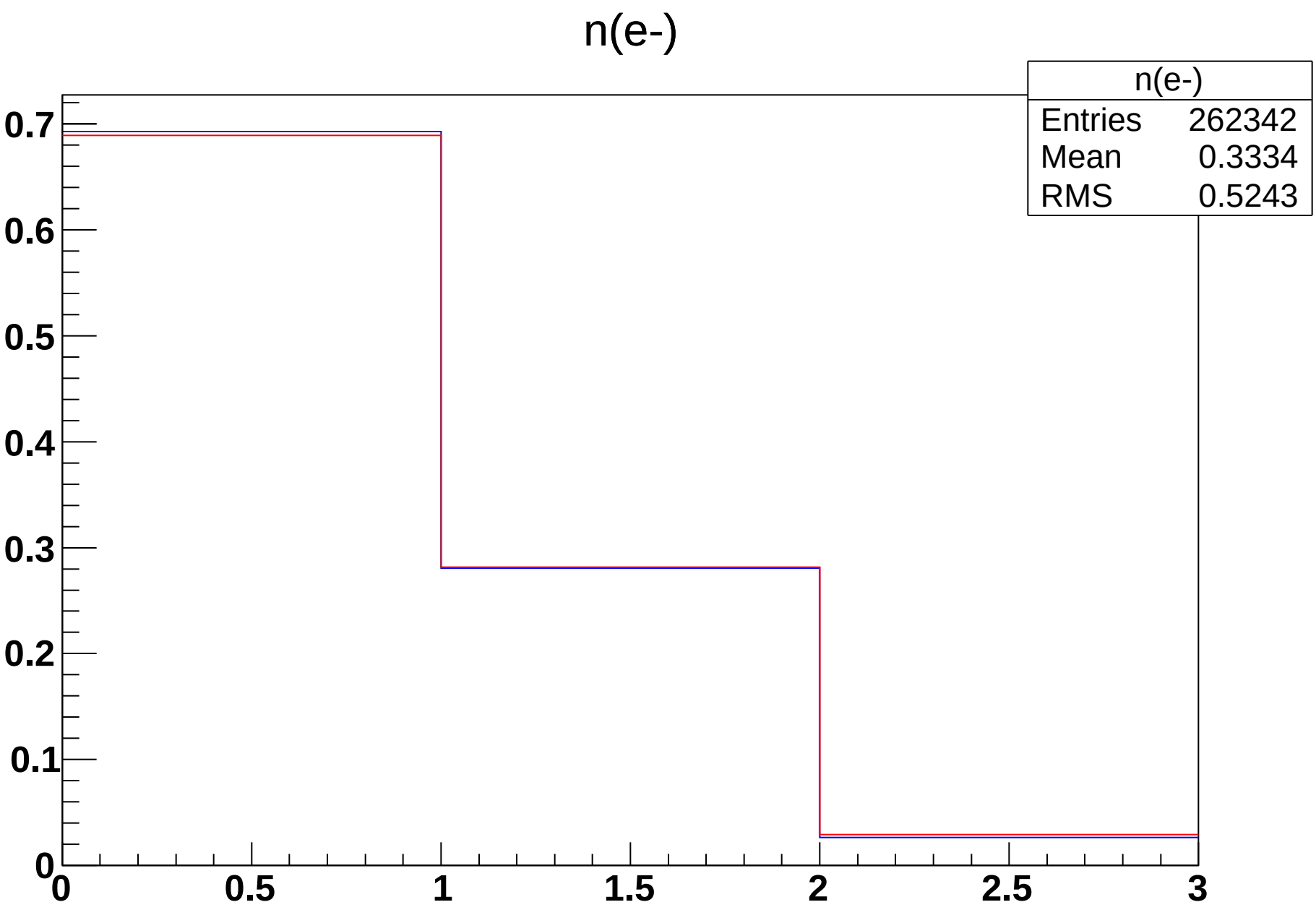

module_L6t_halfmodule_stereo_hole_sensor0 strip residual (mm)
module_L6t_halfmodule_stereo_hole_sensor0 strip residual (mm)
Entries 71897
Mean –0.1696
RMS 1.058
0.1
0.08
0.06
0.04
0.02
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

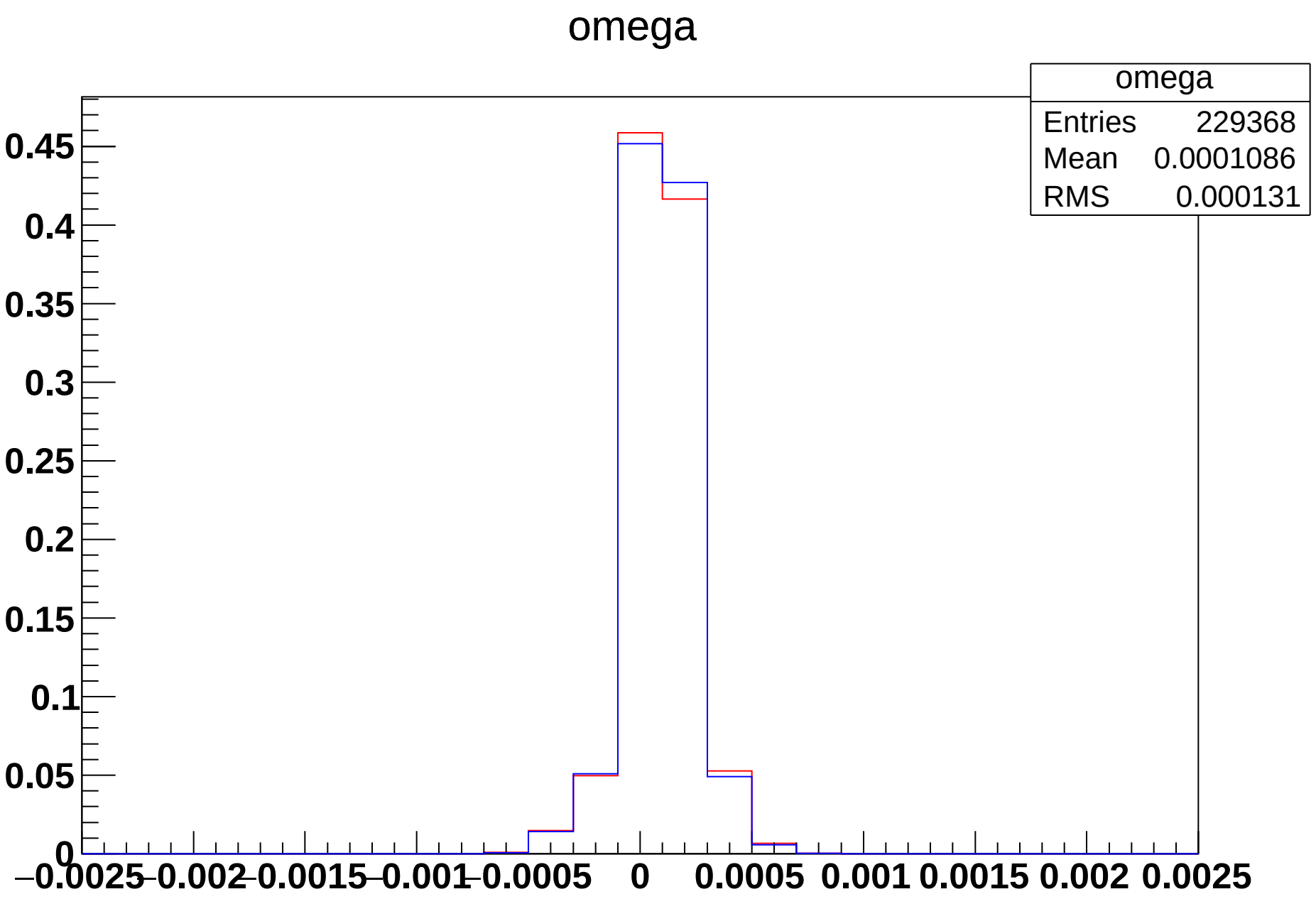

module_L6t_halfmodule_stereo_slot_sensor0 strip hits
module_L6t_halfmodule_stereo_slot_sensor0 strip hits
Entries 24798
Mean 0.1897
RMS 0.6225
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10

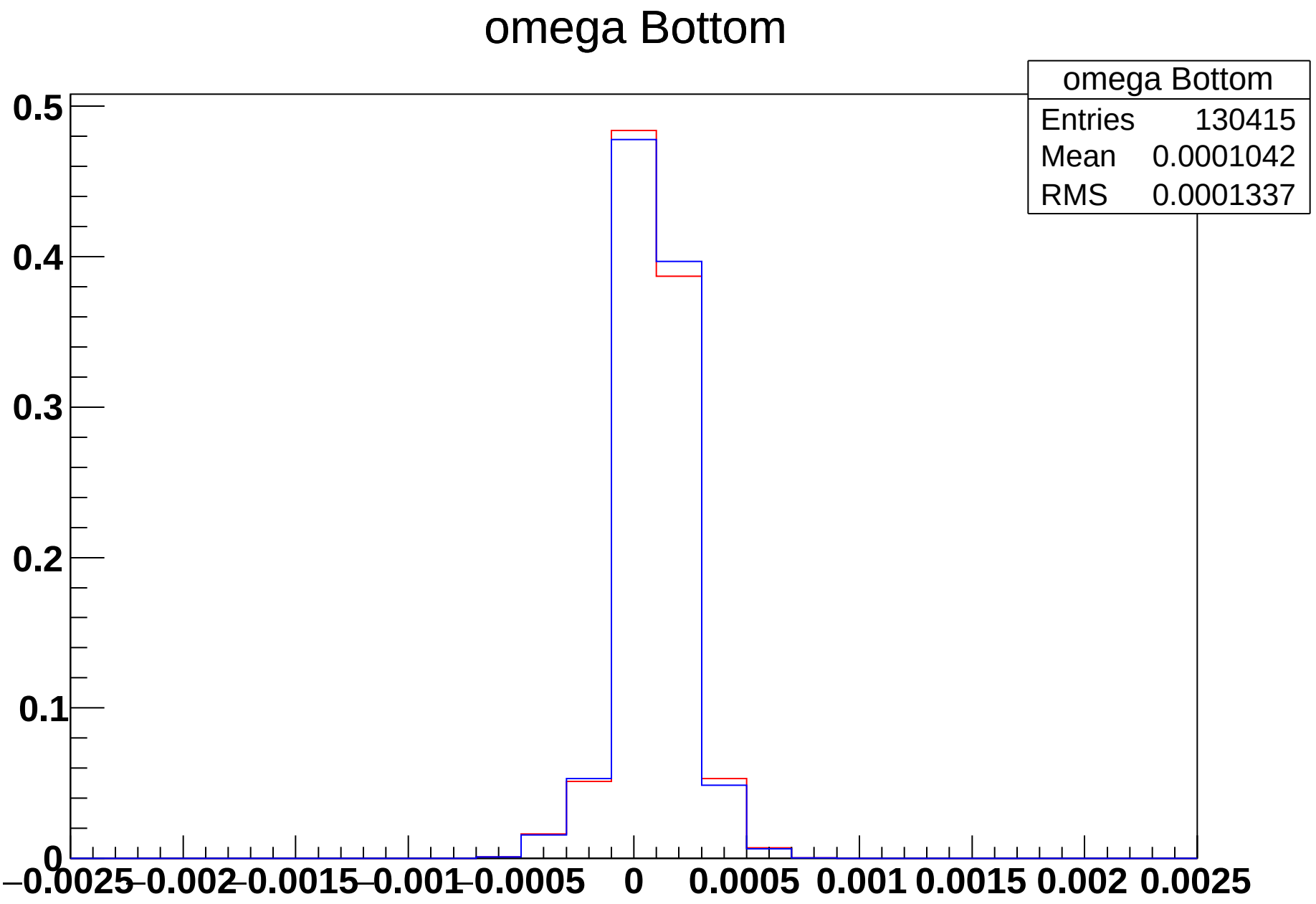

module_L6t_halfmodule_stereo_slot_sensor0 strip hits on track
module_L6t_halfmodule_stereo_slot_sensor0 strip hits on track
Entries 7453
Mean 1
RMS 0
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

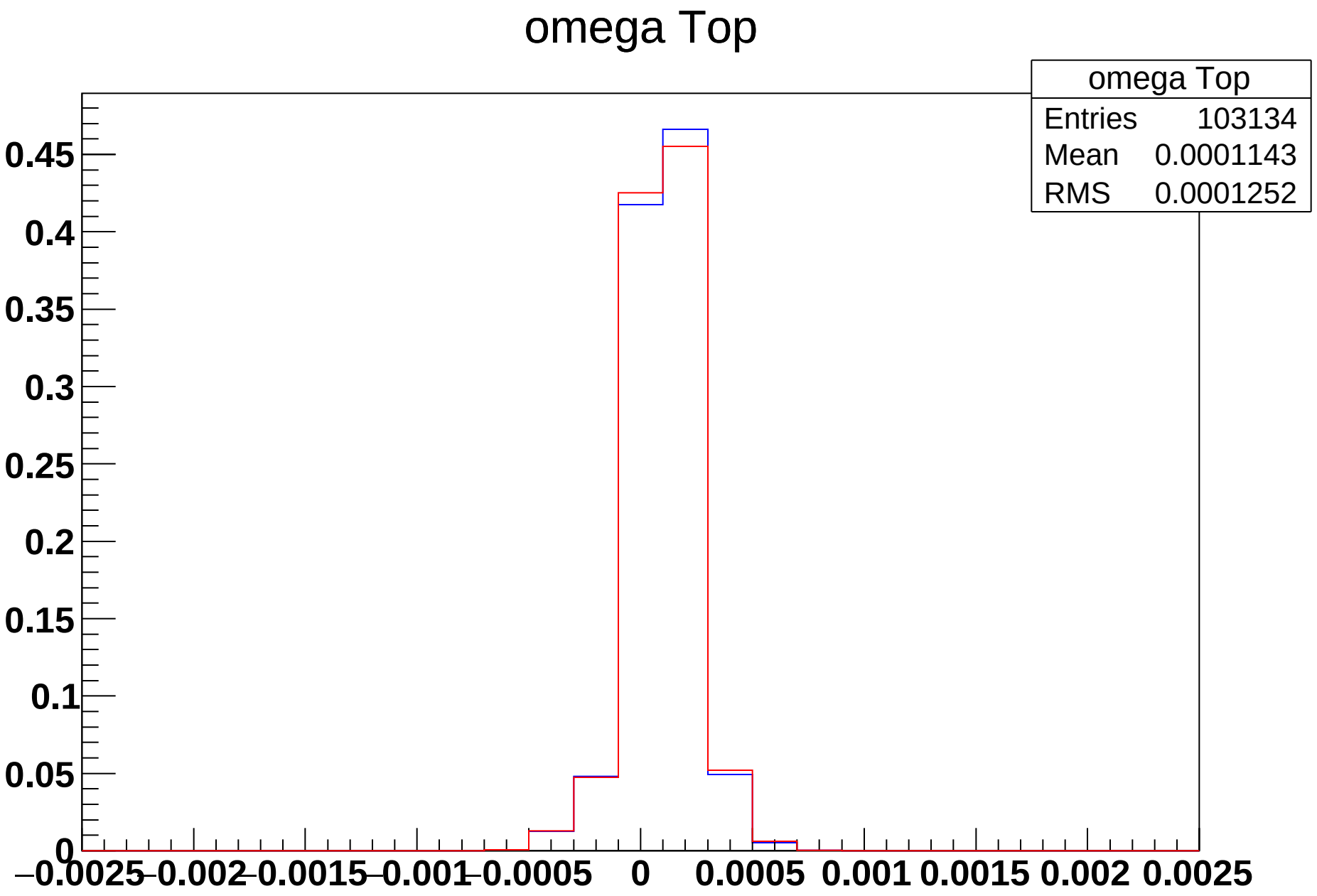

module_L6t_halfmodule_stereo_slot_sensor0 strip residual (mm)
module_L6t_halfmodule_stereo_slot_sensor0 strip residual (mm)
Entries 7672
Mean 0.1606
RMS 1.229
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
–5
–4
–3
–2
–1
0
1
2
3
4
5

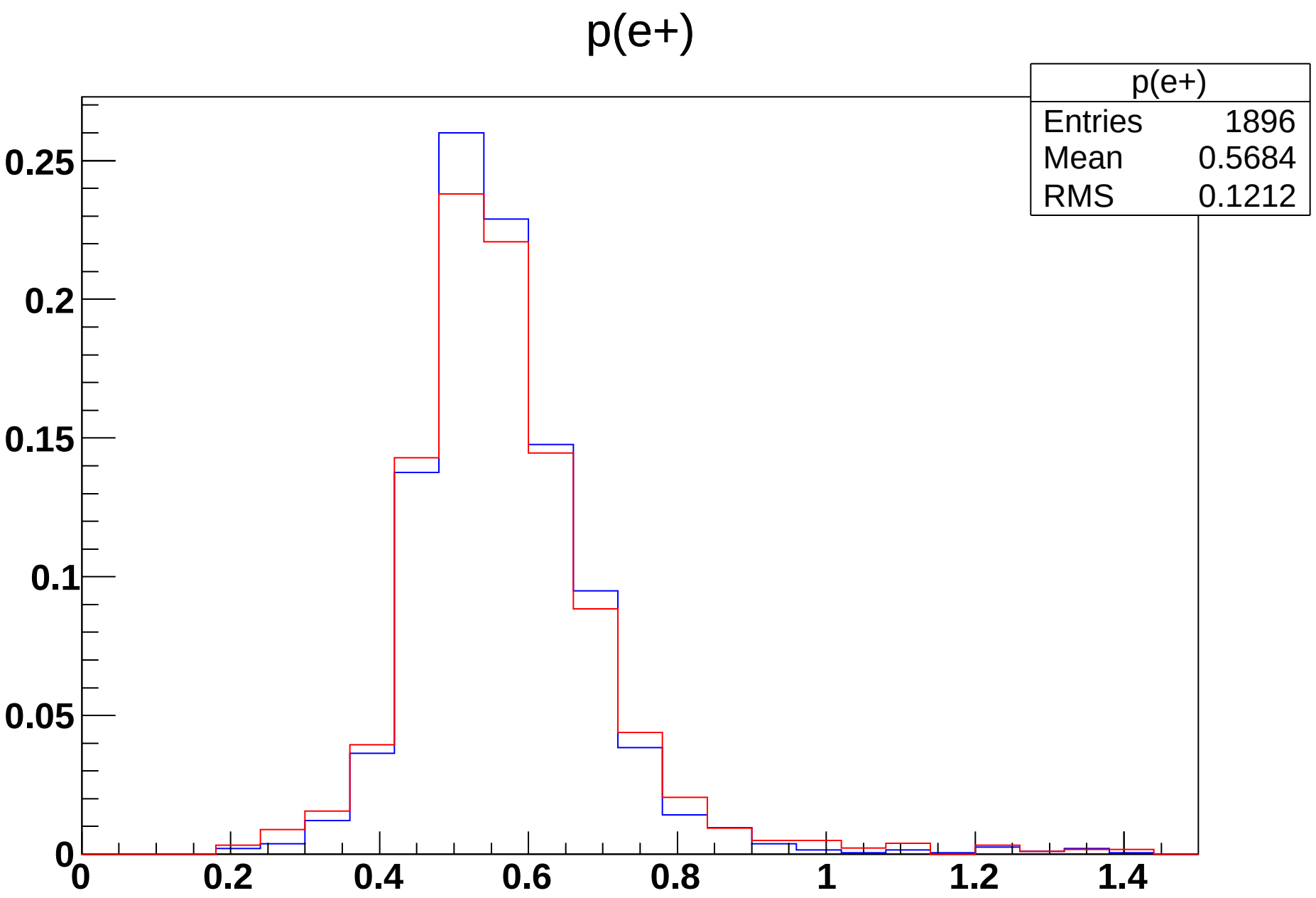

n(e+)
n(e+)
Entries 251820
Mean 0.00716
RMS 0.08506
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3

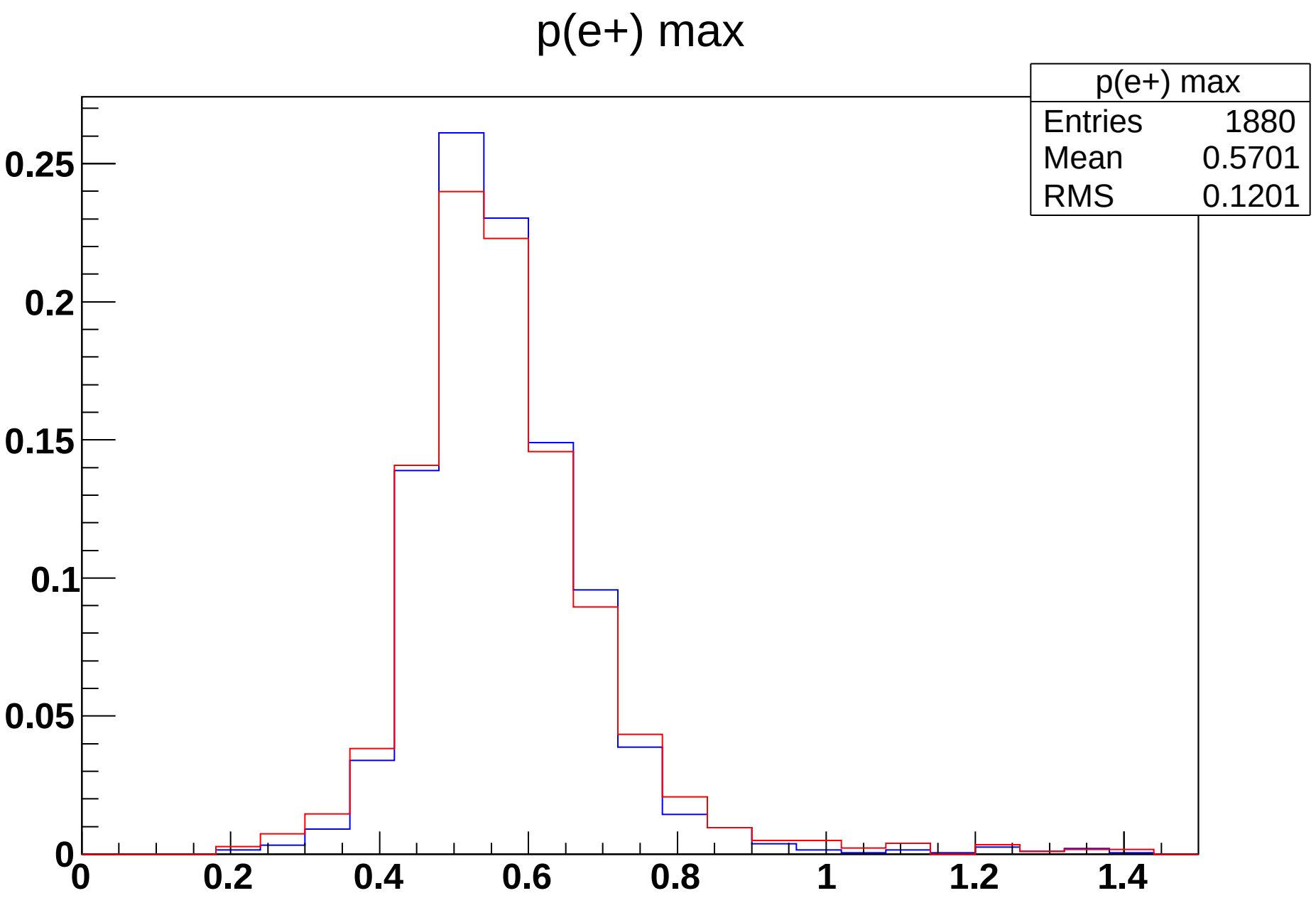

n(e-)
n(e-)
Entries 262342
Mean 0.3334
RMS 0.5243
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3

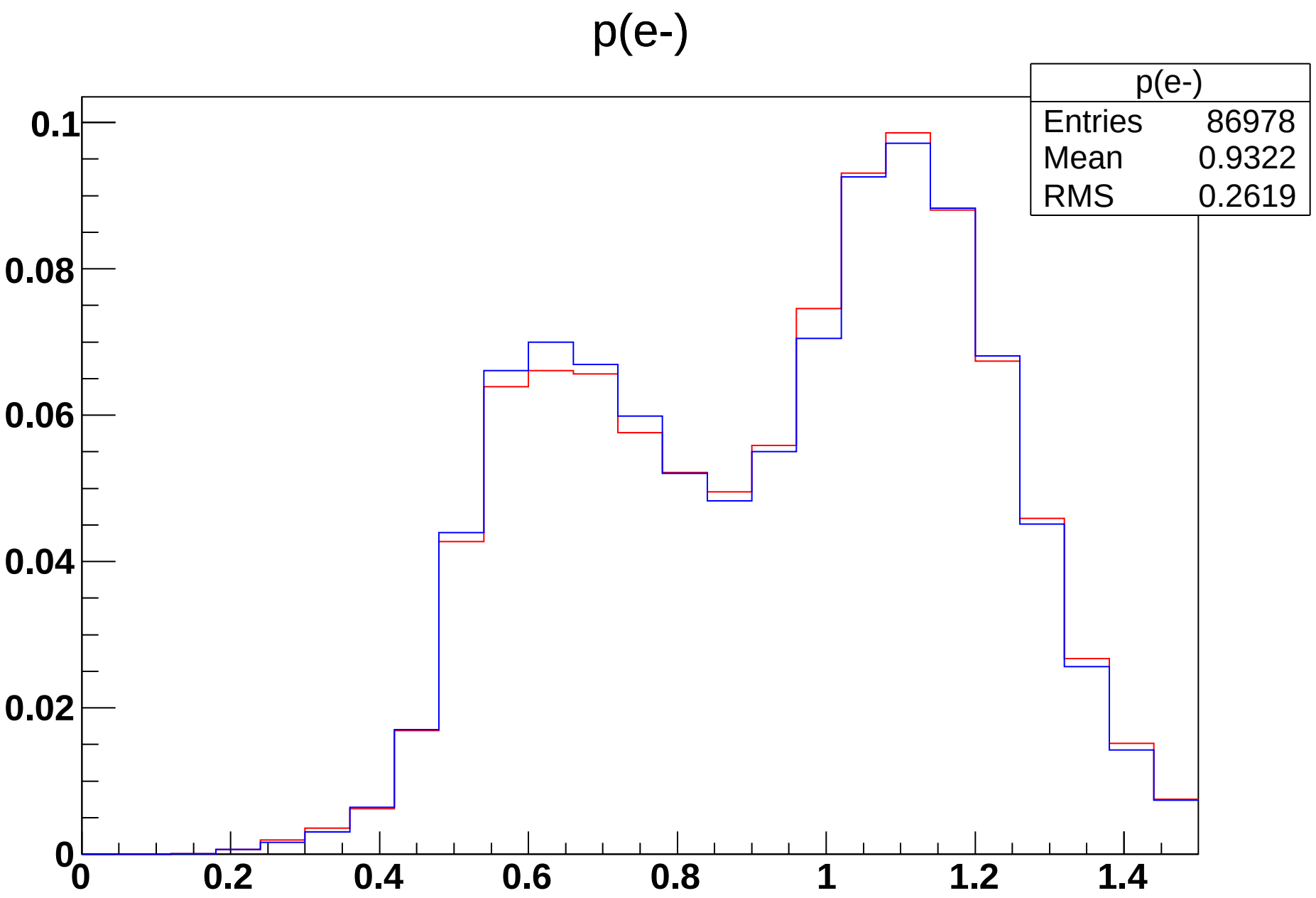

omega
omega
Entries 229368
Mean 0.0001086
RMS 0.000131
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.0025 −0.002 −0.0015 −0.001 −0.0005 0 0.0005 0.001 0.0015 0.002 0.0025

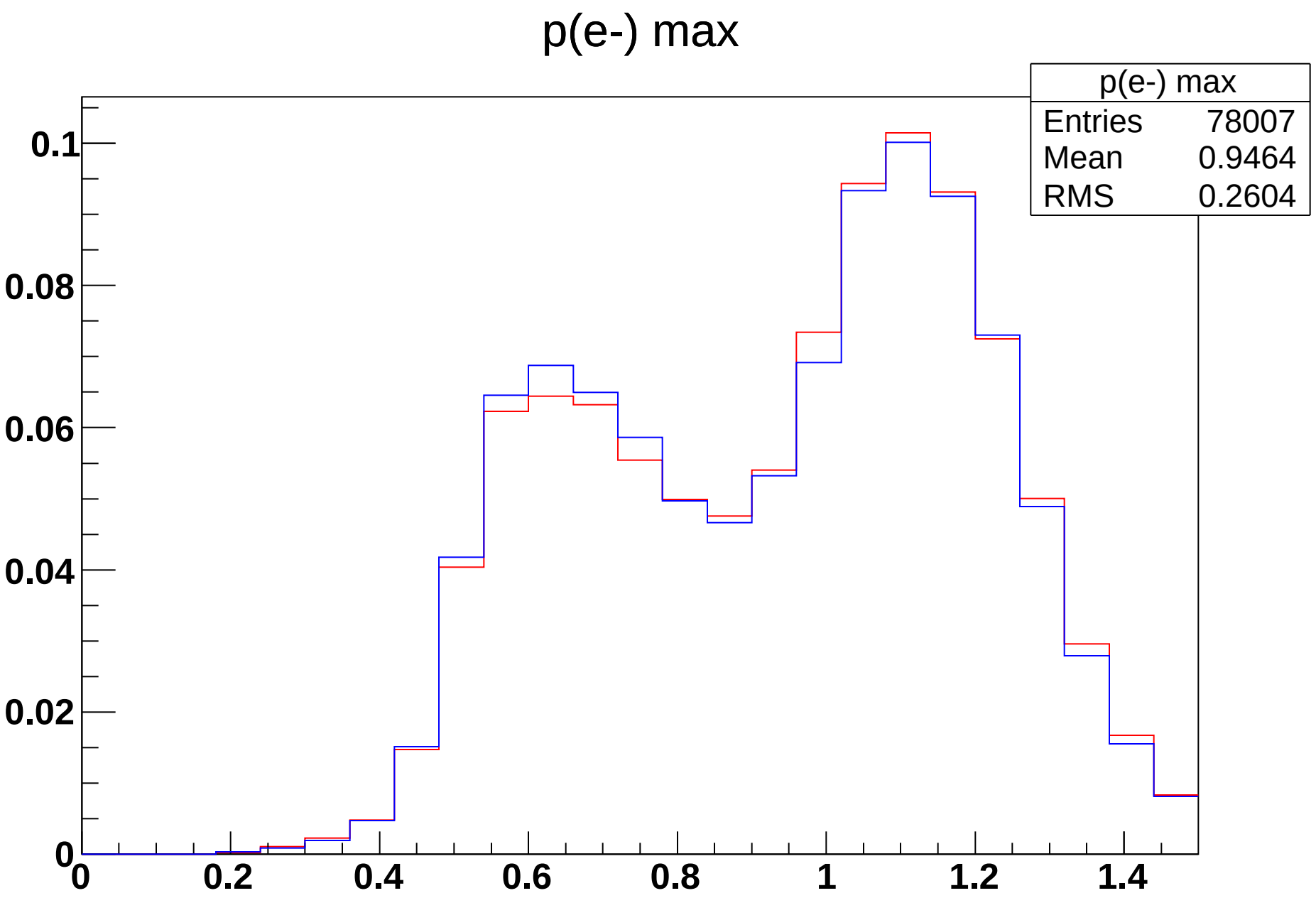

omega Bottom
omega Bottom
Entries 130415
Mean 0.0001042
RMS 0.0001337
0.5
0.4
0.3
0.2
0.1
0
−0.0025
−0.002
−0.0015
−0.001
−0.0005
0
0.0005
0.001
0.0015
0.002
0.0025

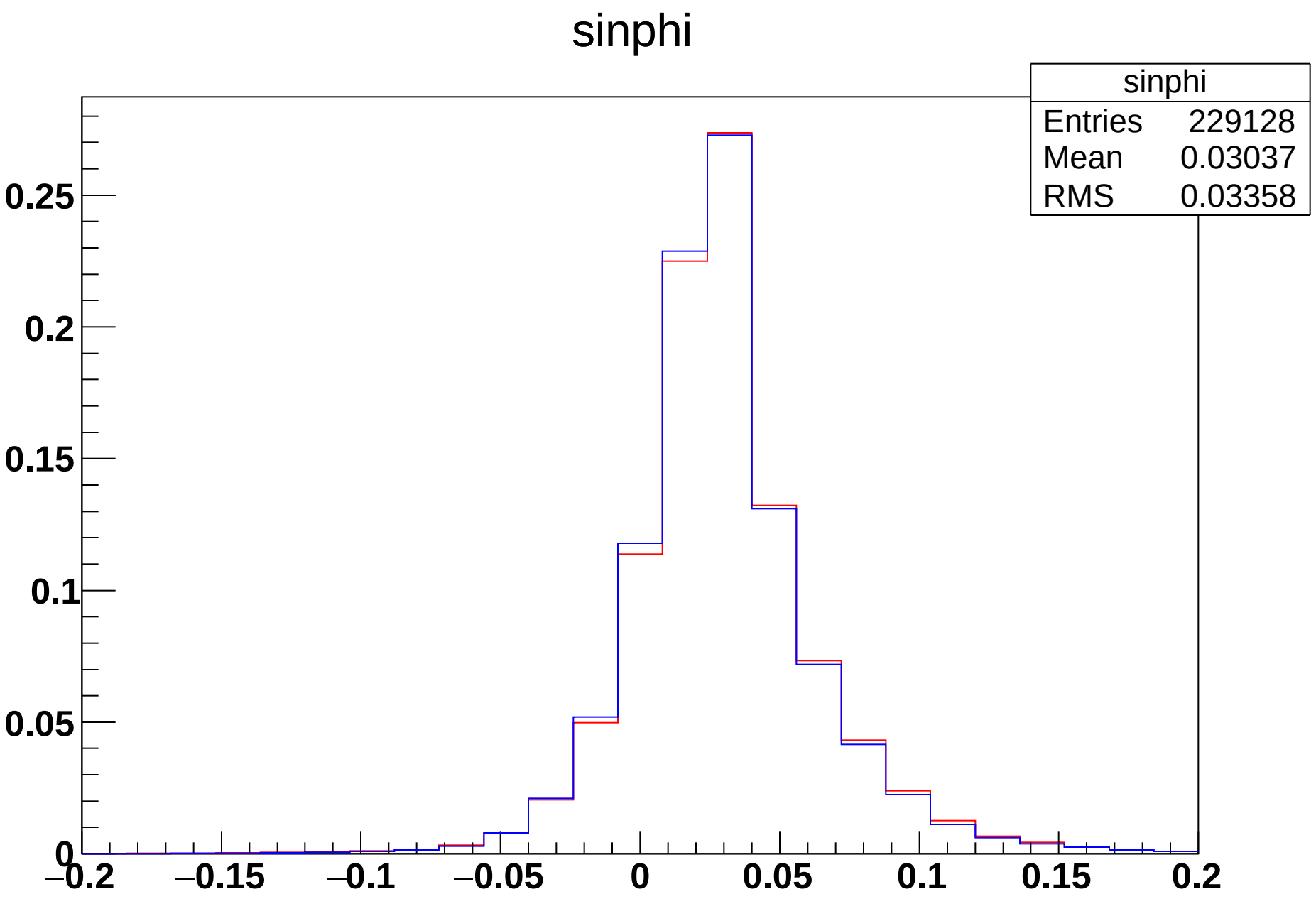

omega Top
omega Top
Entries 103134
Mean 0.0001143
RMS 0.0001252
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.0025
−0.002
−0.0015
−0.001
−0.0005
0
0.0005
0.001
0.0015
0.002
0.0025

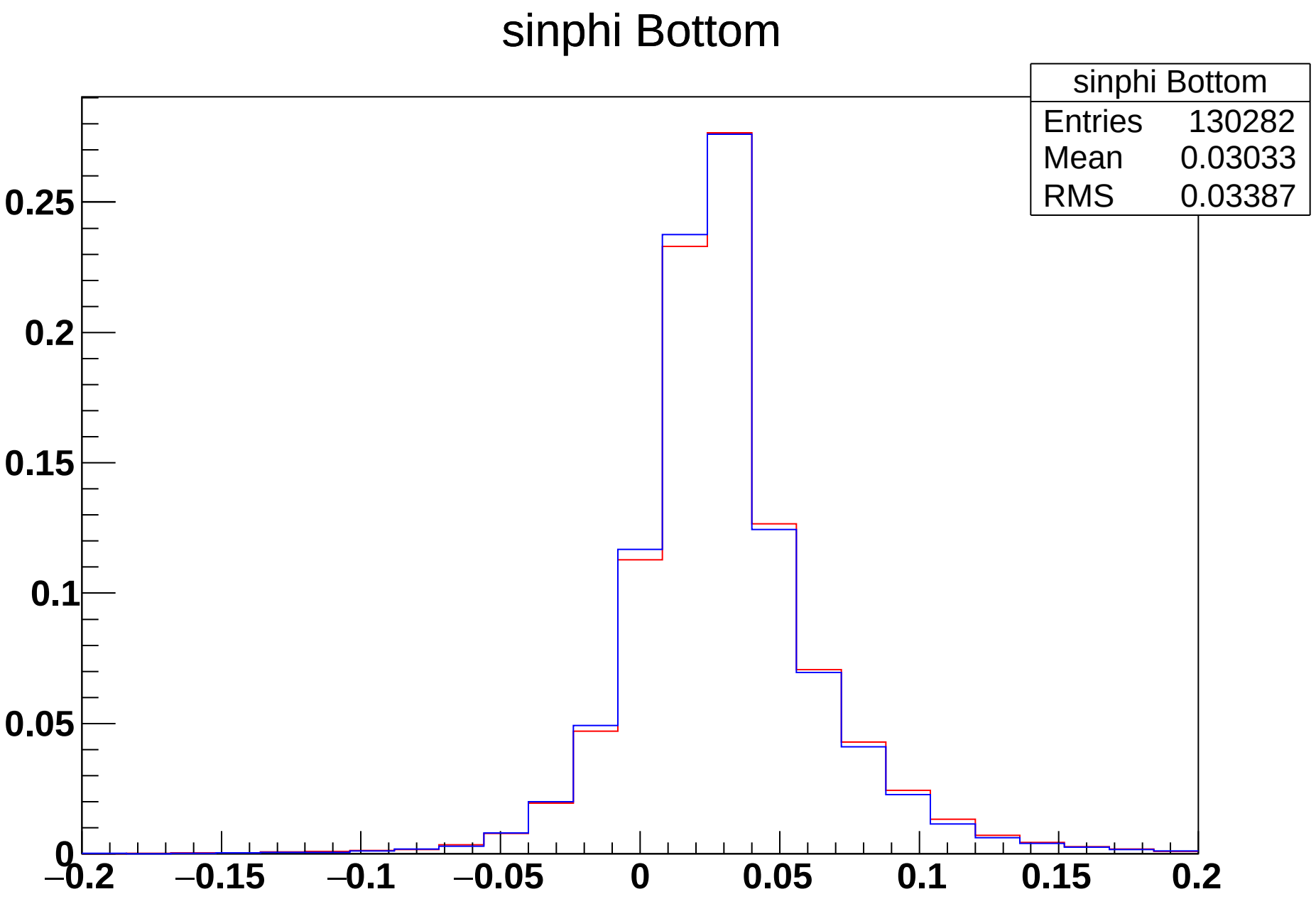

p(e+)
p(e+)
Entries 1896
Mean 0.5684
RMS 0.1212
0.25
0.2
0.15
0.1
0.05
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4

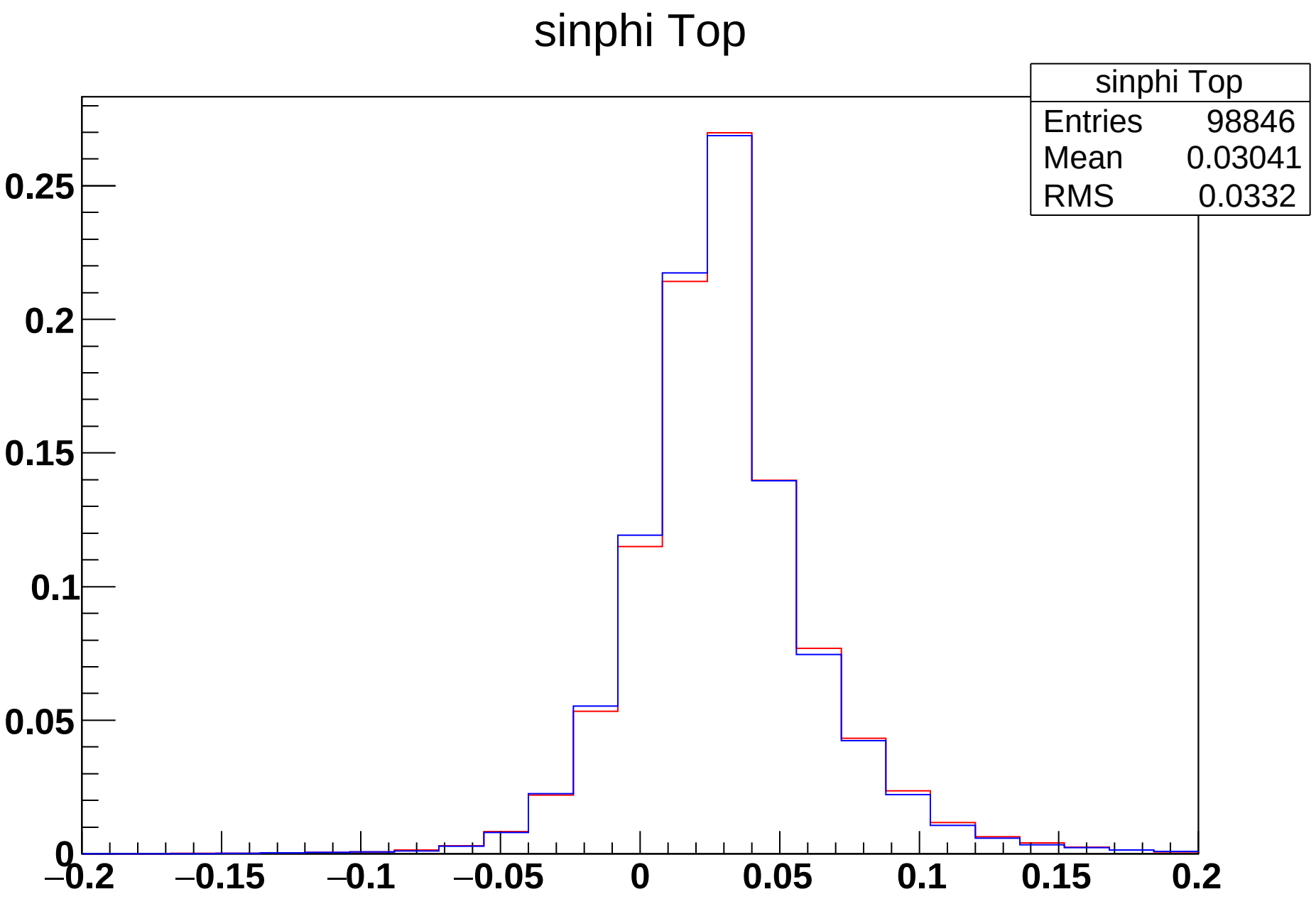

p(e+) max
p(e+) max
Entries 1880
Mean 0.5701
RMS 0.1201
0.25
0.2
0.15
0.1
0.05
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4

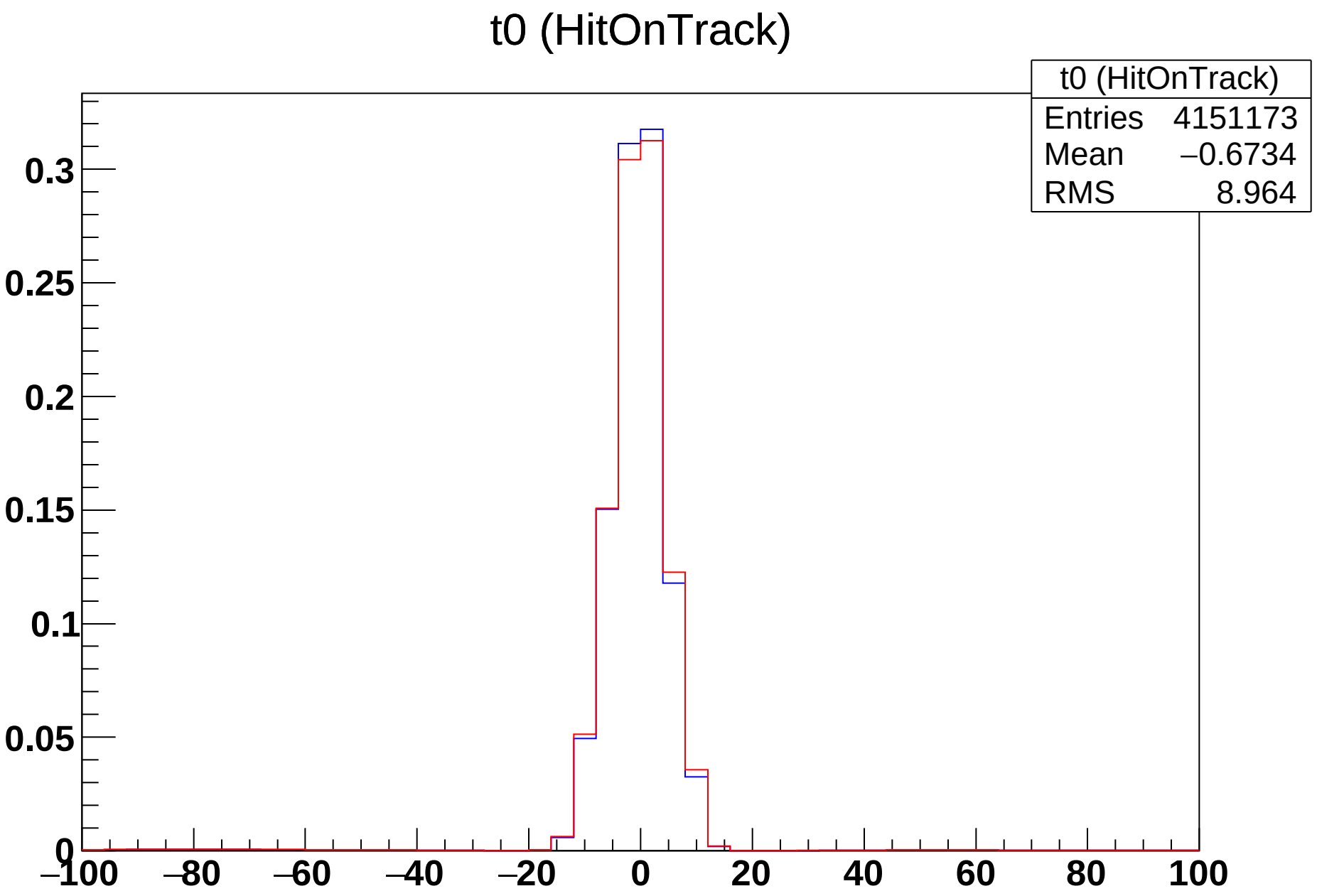

p(e-)
p(e-)
Entries 86978
Mean 0.9322
RMS 0.2619
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4

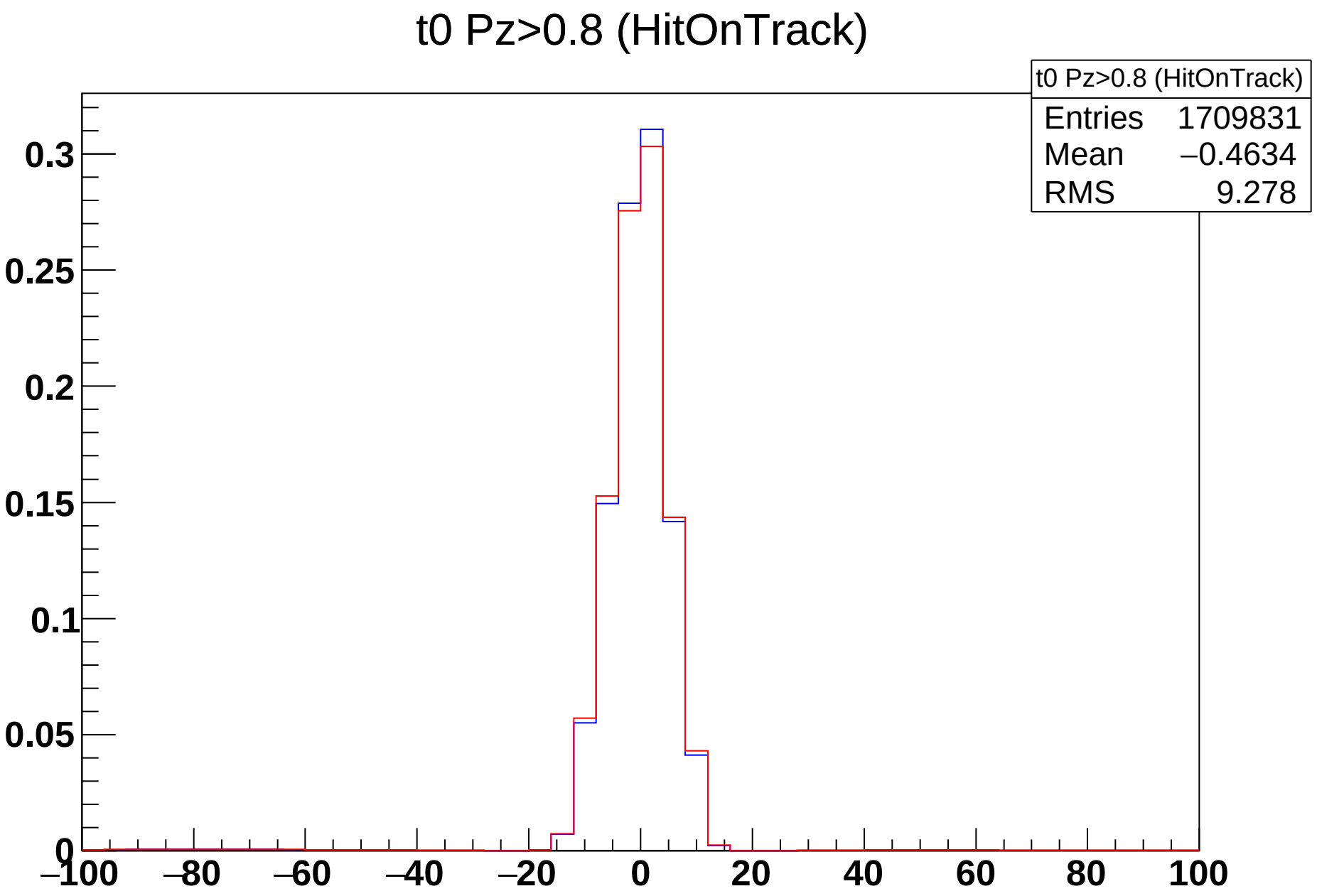

p(e-) max
p(e-) max
Entries 78007
Mean 0.9464
RMS 0.2604
0.1
0.08
0.06
0.04
0.02
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4

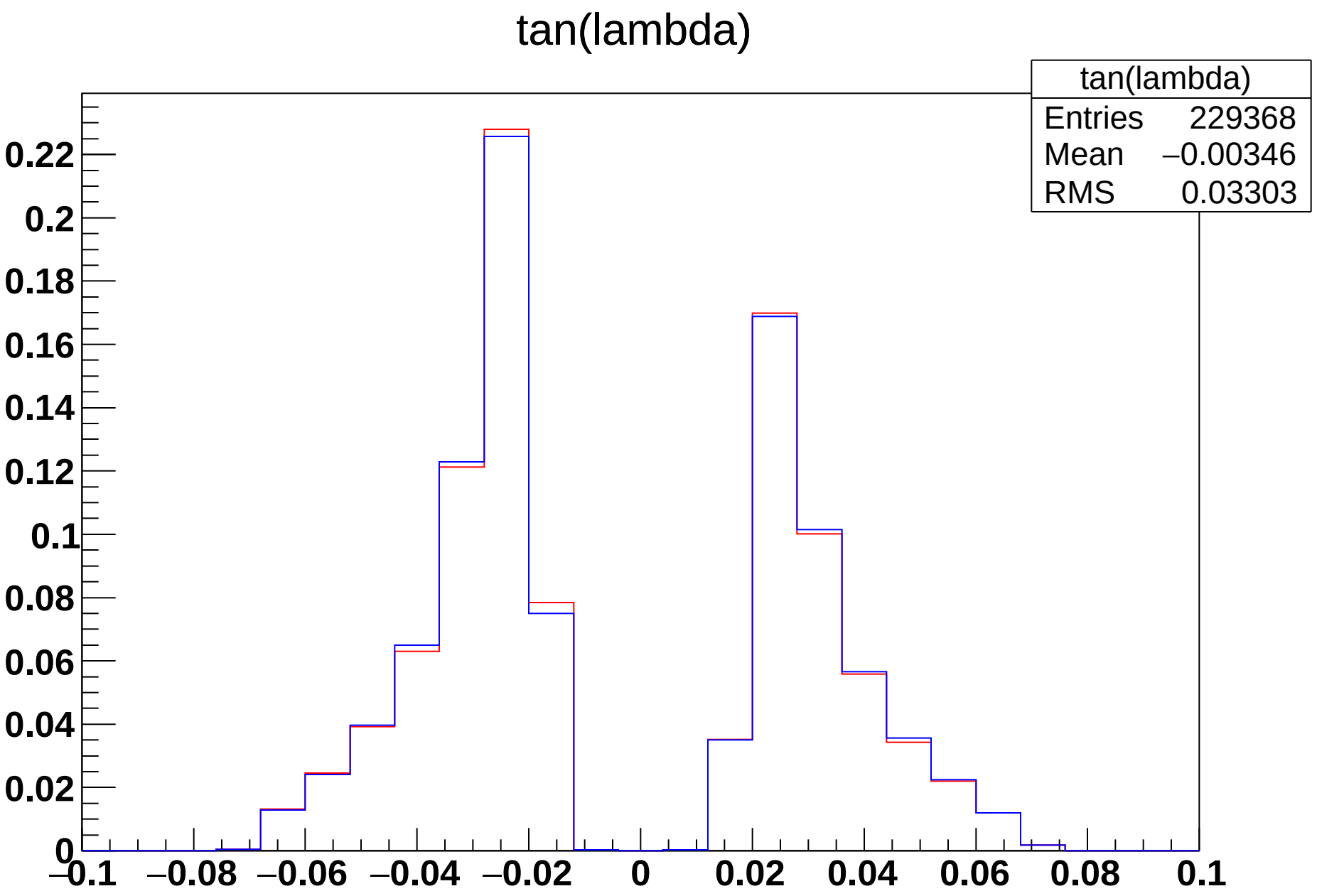

sinphi
sinphi
Entries 229128
Mean 0.03037
RMS 0.03358
0.25
0.2
0.15
0.1
0.05
0
–0.2
–0.15
–0.1
–0.05
0
0.05
0.1
0.15
0.2

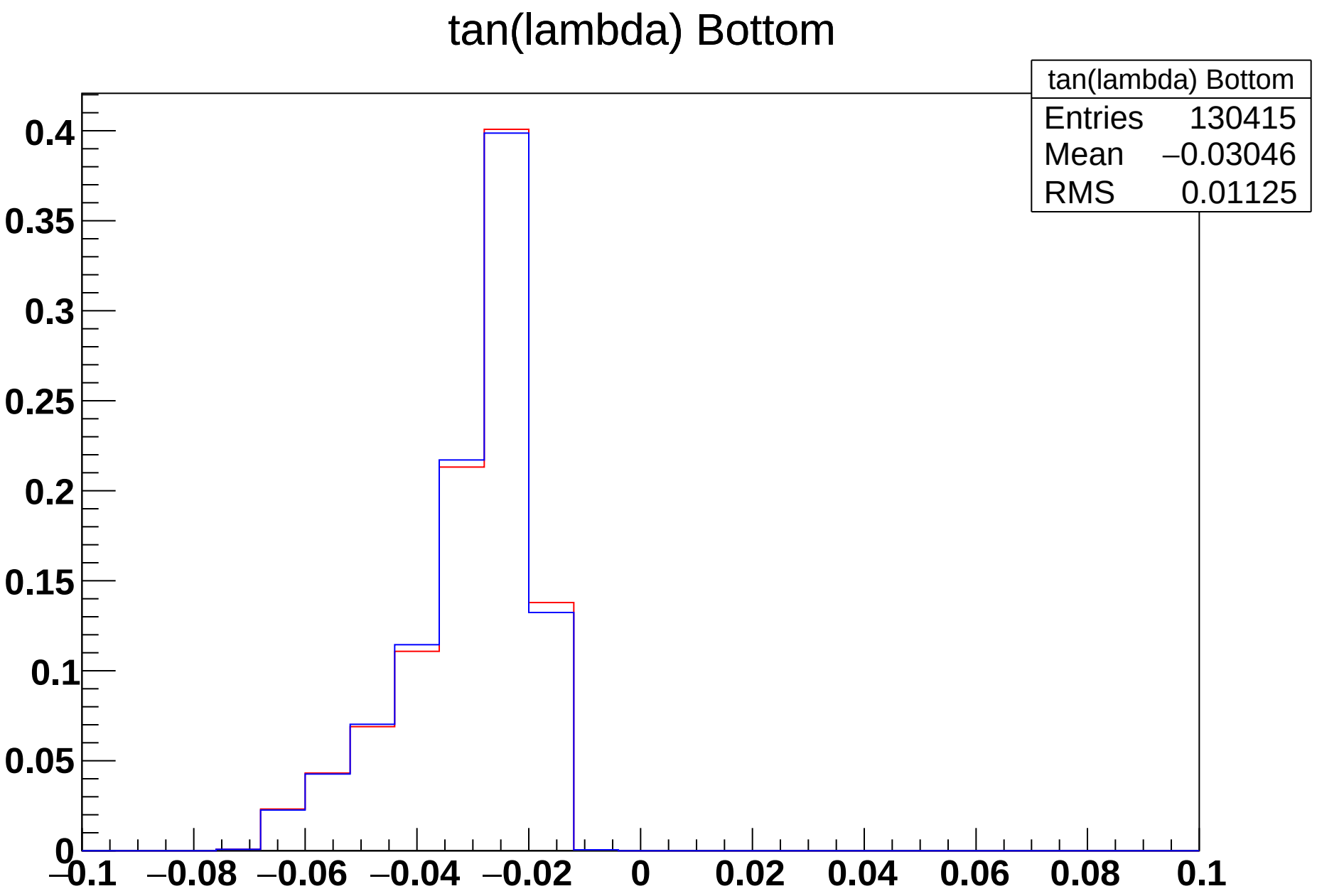

sinphi Bottom
sinphi Bottom
Entries 130282
Mean 0.03033
RMS 0.03387
0.25
0.2
0.15
0.1
0.05
0
–0.2
–0.15
–0.1
–0.05
0
0.05
0.1
0.15
0.2

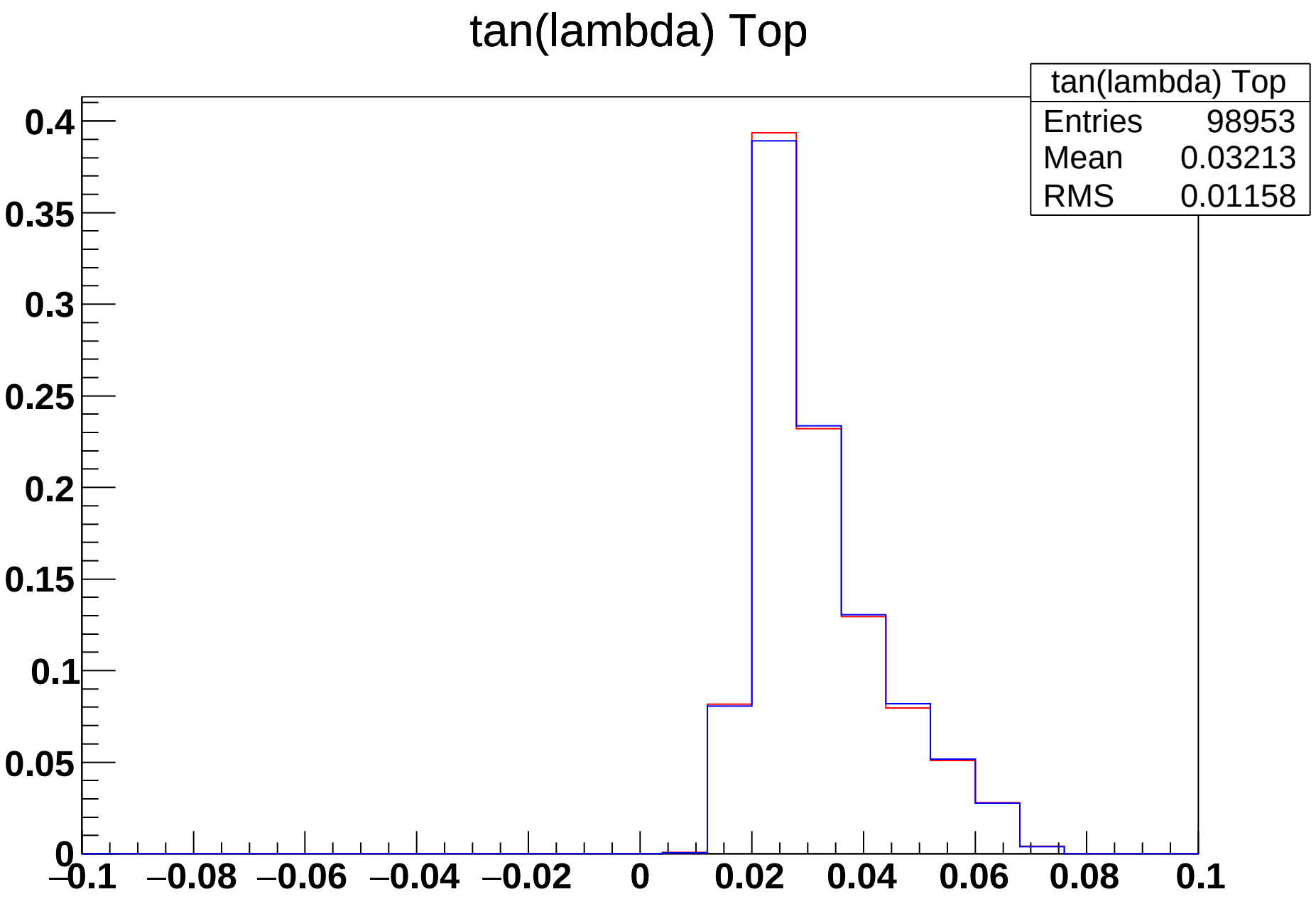

sinphi Top
sinphi Top
Entries 98846
Mean 0.03041
RMS 0.0332
0.25
0.2
0.15
0.1
0.05
0
−0.2
−0.15
−0.1
−0.05
0
0.05
0.1
0.15
0.2

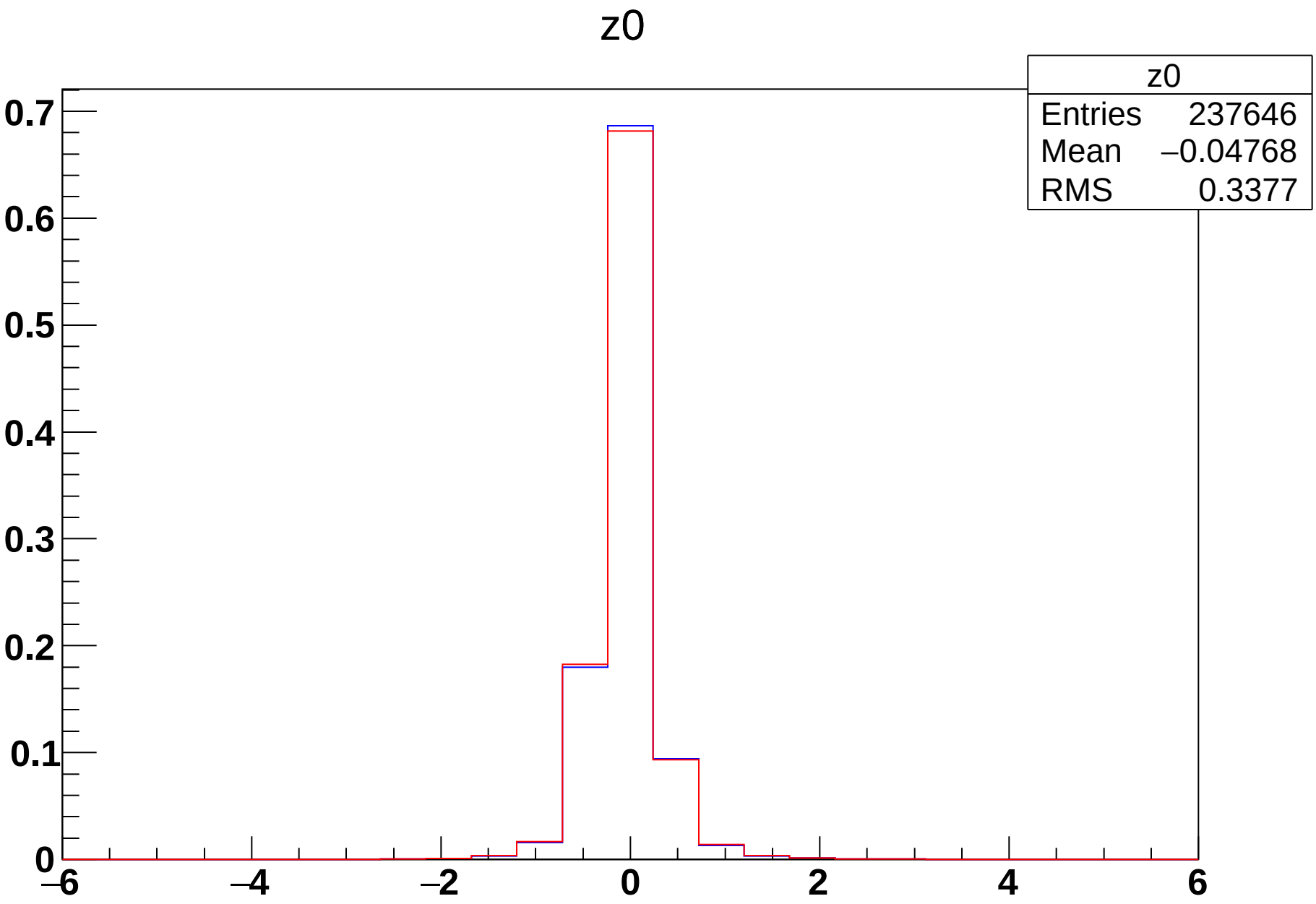

t0 (HitOnTrack)
t0 (HitOnTrack)
Entries 4151173
Mean –0.6734
RMS 8.964
0.3
0.25
0.2
0.15
0.1
0.05
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

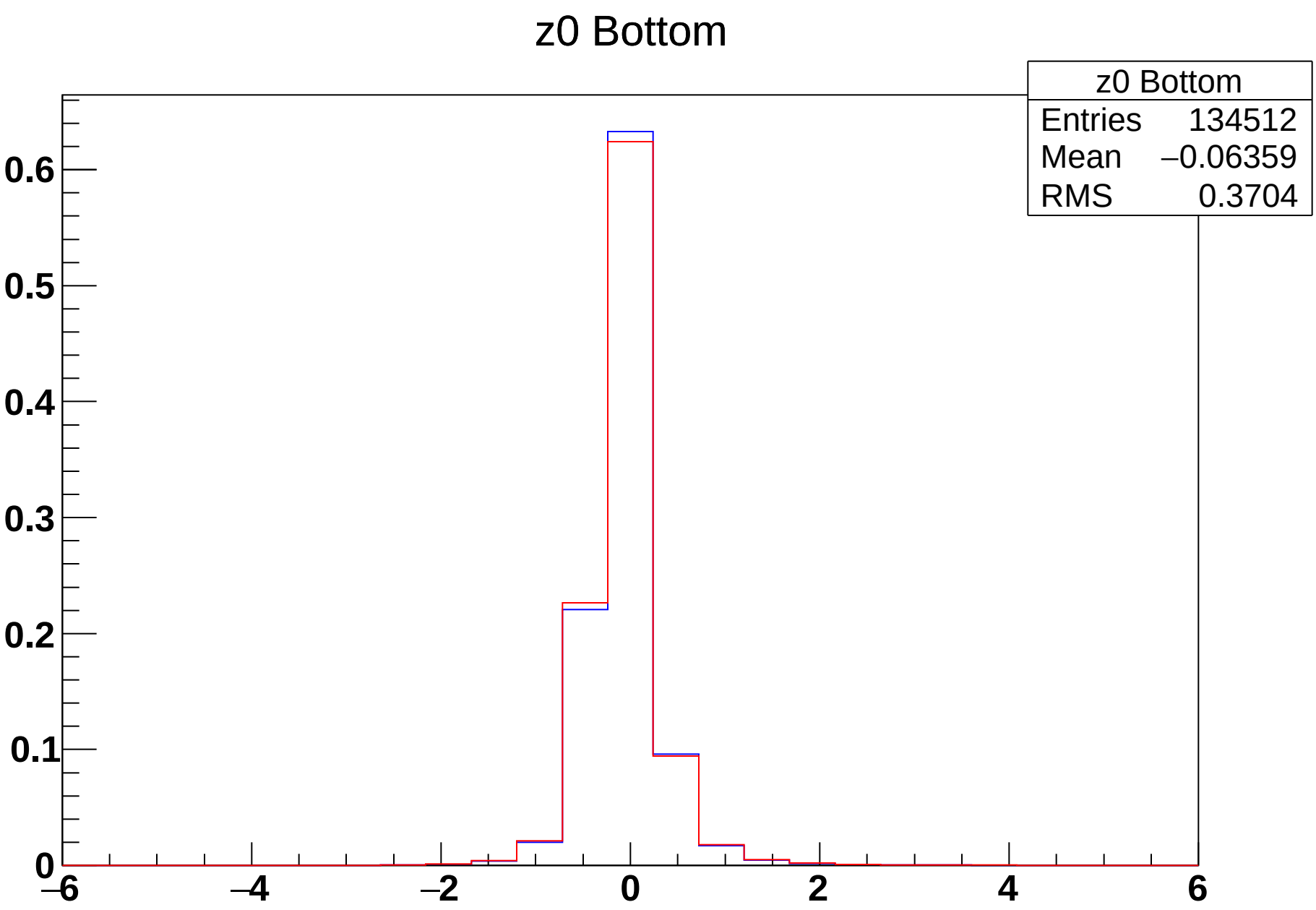

t0 Pz>0.8 (HitOnTrack)
t0 Pz>0.8 (HitOnTrack)
Entries 1709831
Mean –0.4634
RMS 9.278
0.3
0.25
0.2
0.15
0.1
0.05
0
–100
–80
–60
–40
–20
0
20
40
60
80
100

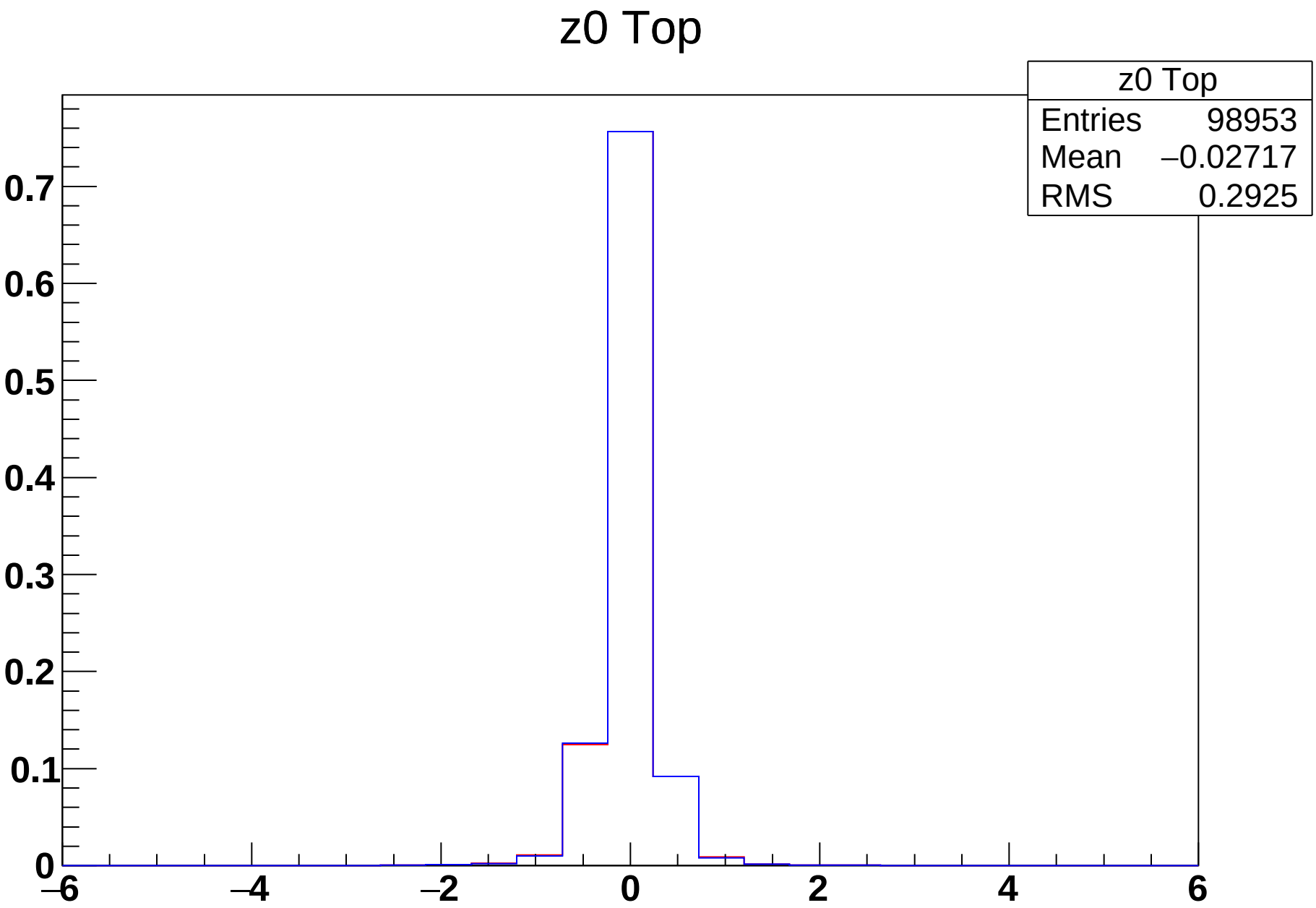

tan(lambda)
tan(lambda)
Entries 229368
Mean –0.00346
RMS 0.03303
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–0.1
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
0.1


tan(lambda) Bottom
tan(lambda) Bottom
Entries 130415
Mean –0.03046
RMS 0.01125
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
–0.1
–0.08
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
0.1


tan(lambda) Top
tan(lambda) Top
Entries 98953
Mean 0.03213
RMS 0.01158
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.1
−0.08
−0.06
−0.04
−0.02
0
0.02
0.04
0.06
0.08
0.1


z0
z0
Entries 237646
Mean −0.04768
RMS 0.3377
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−6
−4
−2
0
2
4
6


z0 Bottom
z0 Bottom
Entries 134512
Mean −0.06359
RMS 0.3704
0.6
0.5
0.4
0.3
0.2
0.1
0
−6
−4
−2
0
2
4
6


z0 Top
z0 Top
Entries 98953
Mean −0.02717
RMS 0.2925
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−6
−4
−2
0
2
4
6