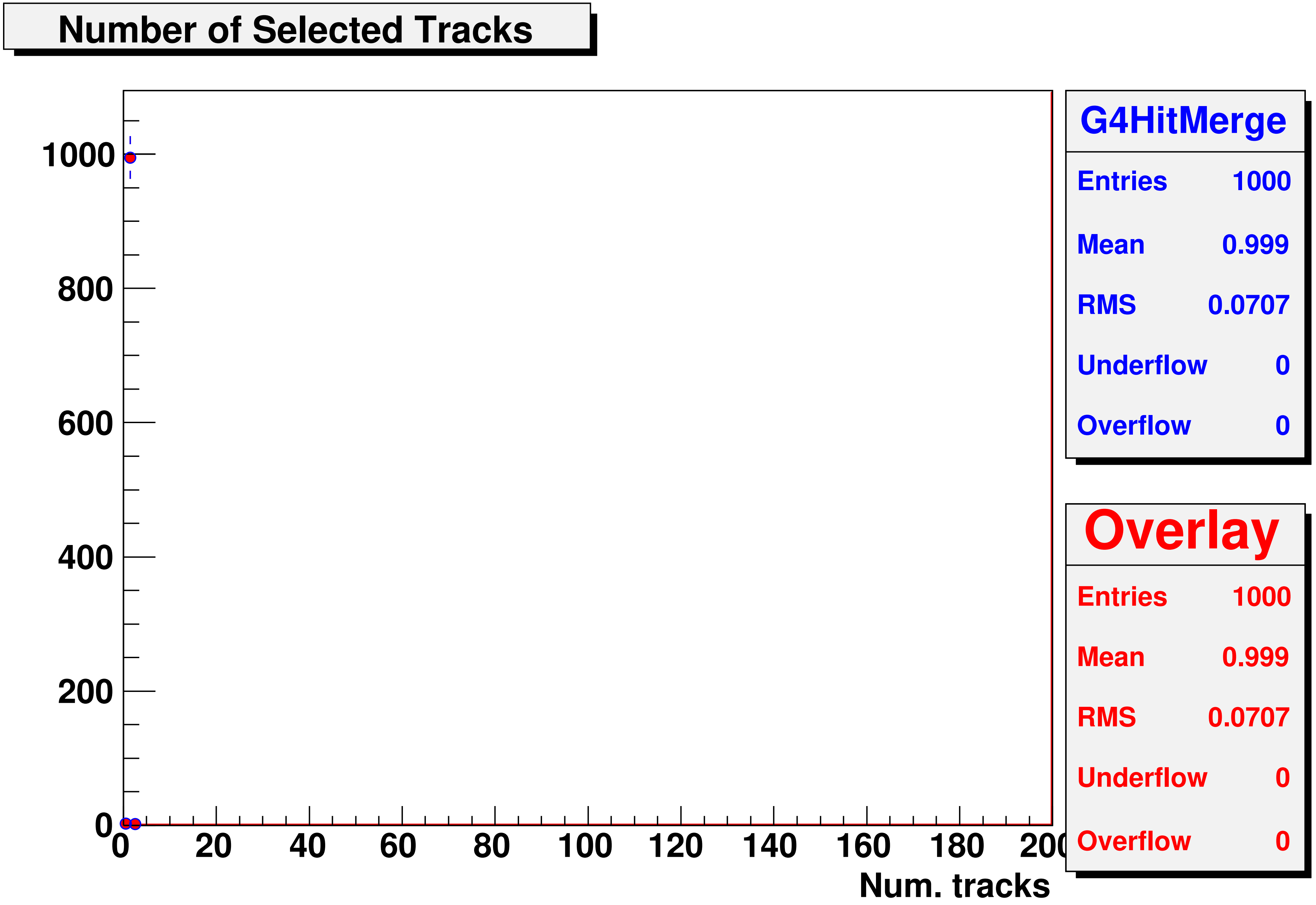
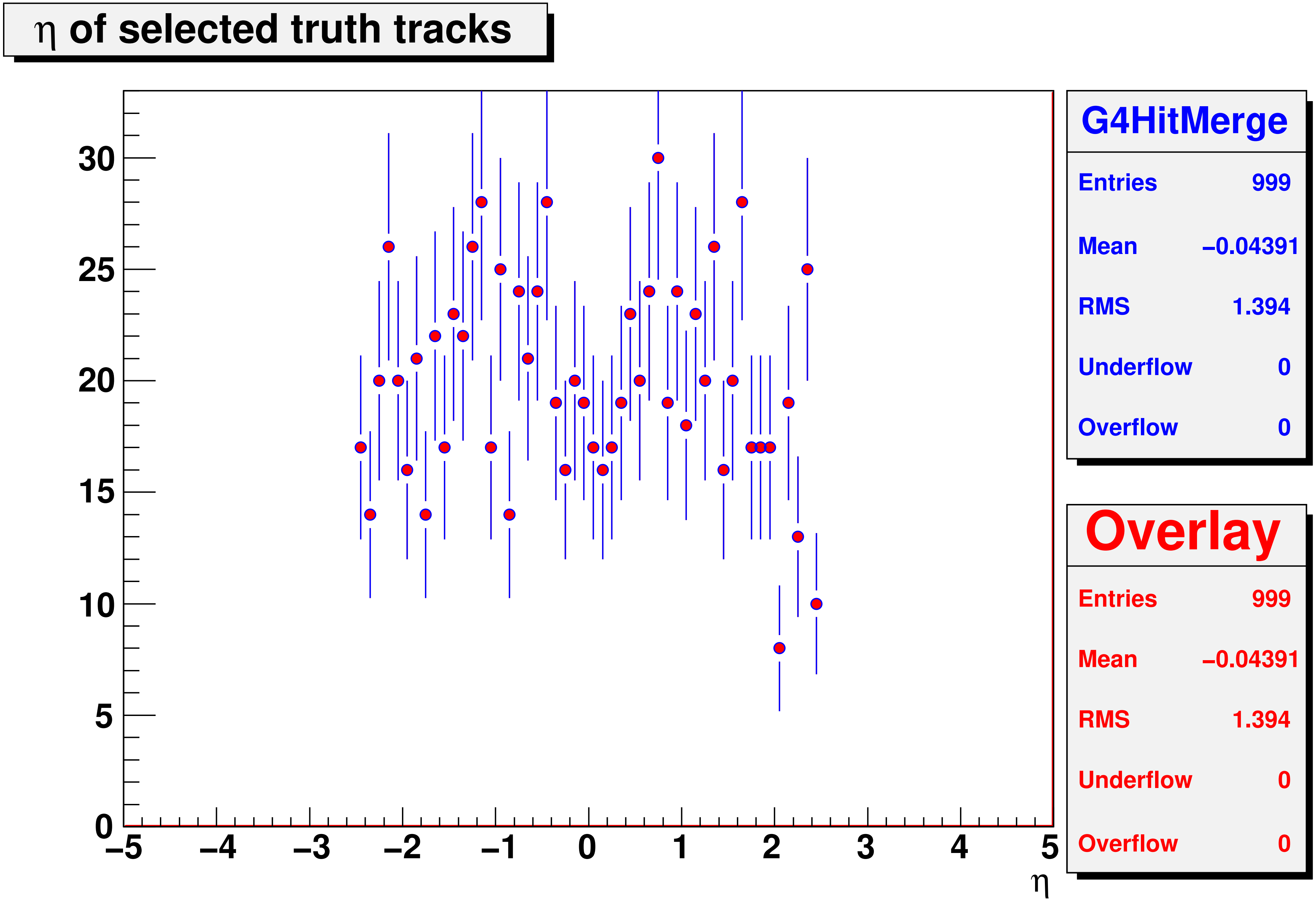
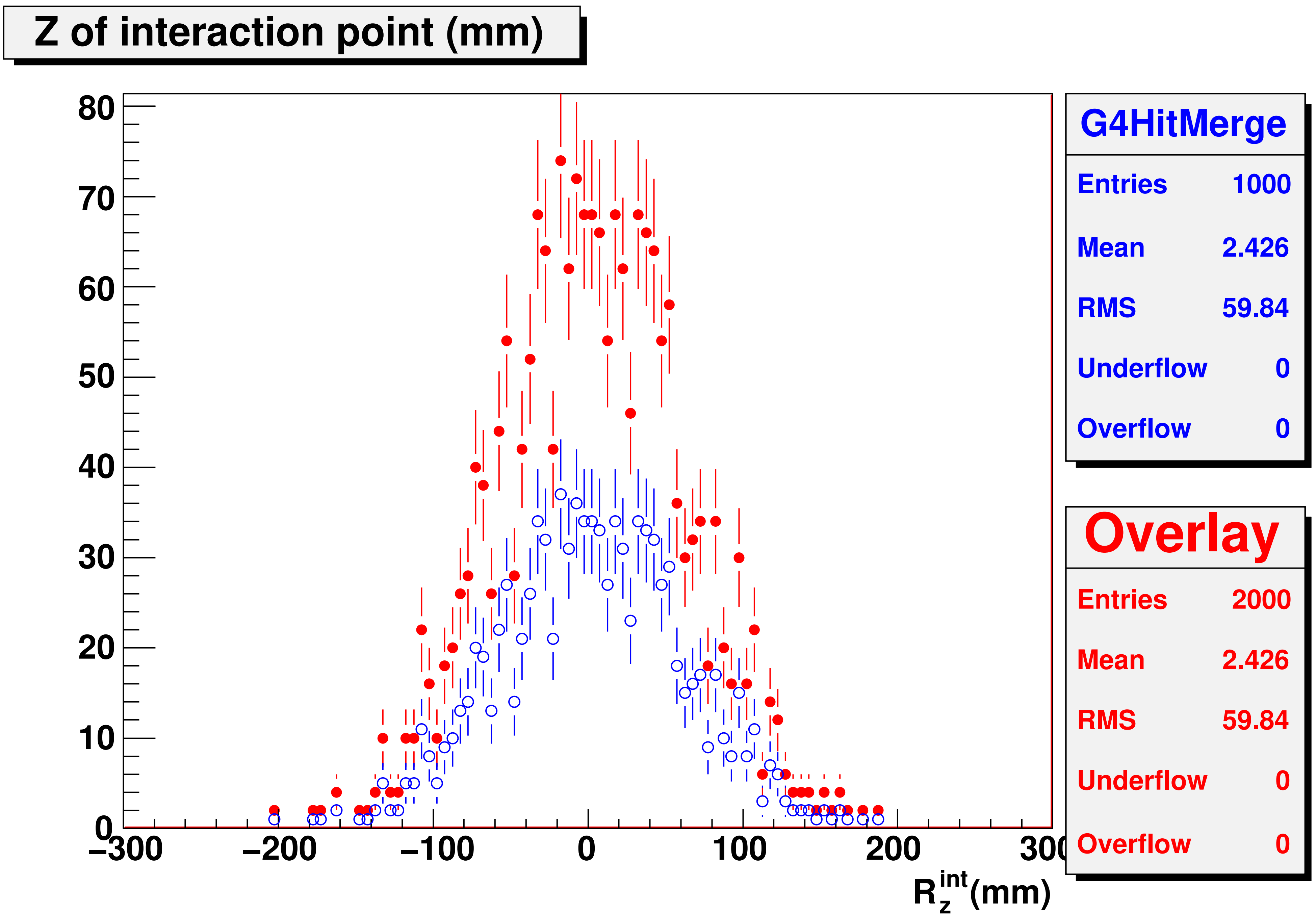
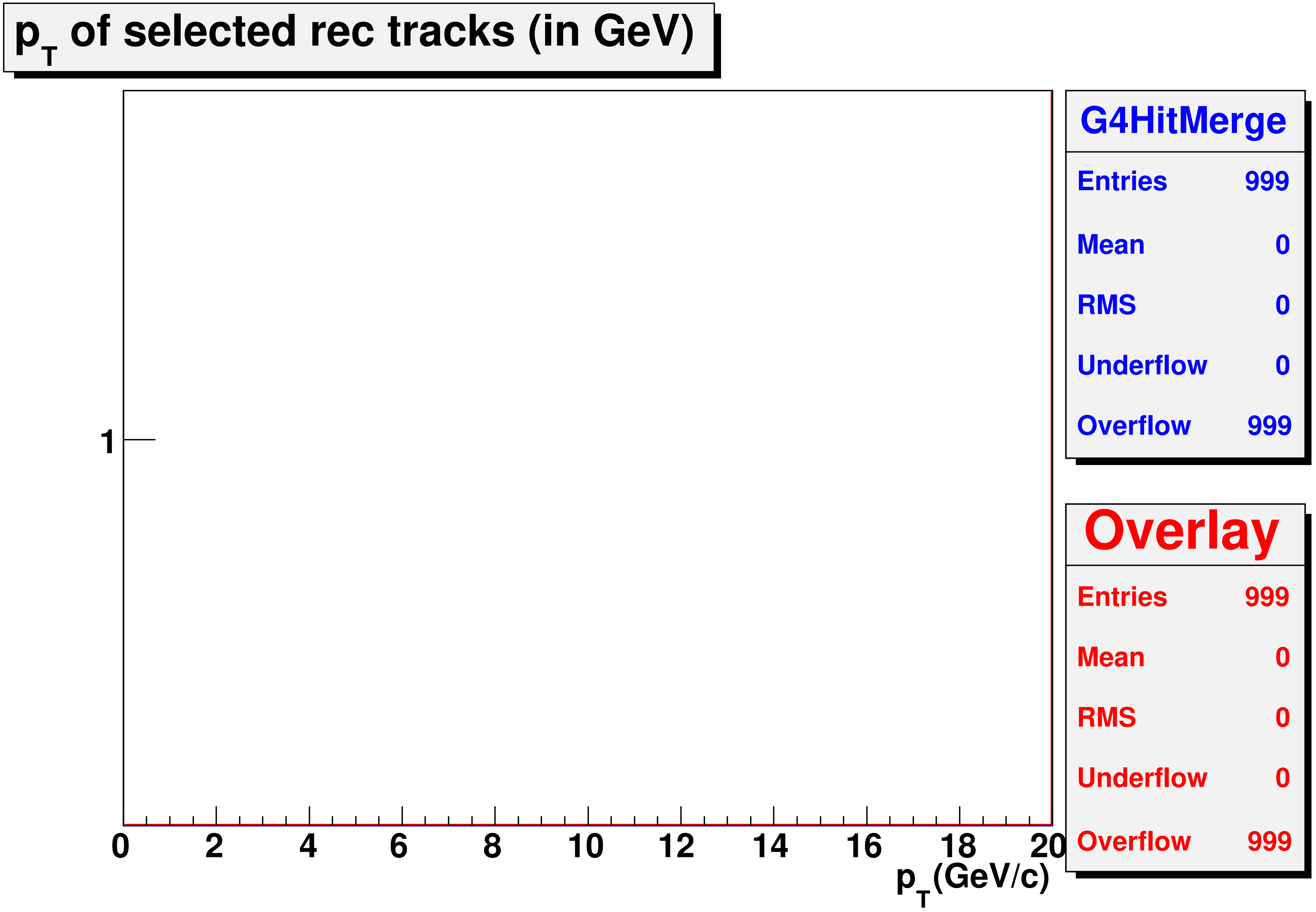


Number of Selected Tracks
G4HitMerge
Entries 1000
Mean 0.999
RMS 0.0707
Underflow 0
Overflow 0
Overlay
Entries 1000
Mean 0.999
RMS 0.0707
Underflow 0
Overflow 0
0
200
400
600
800
1000
0
20
40
60
80
100
120
140
160
180
200
Num. tracks

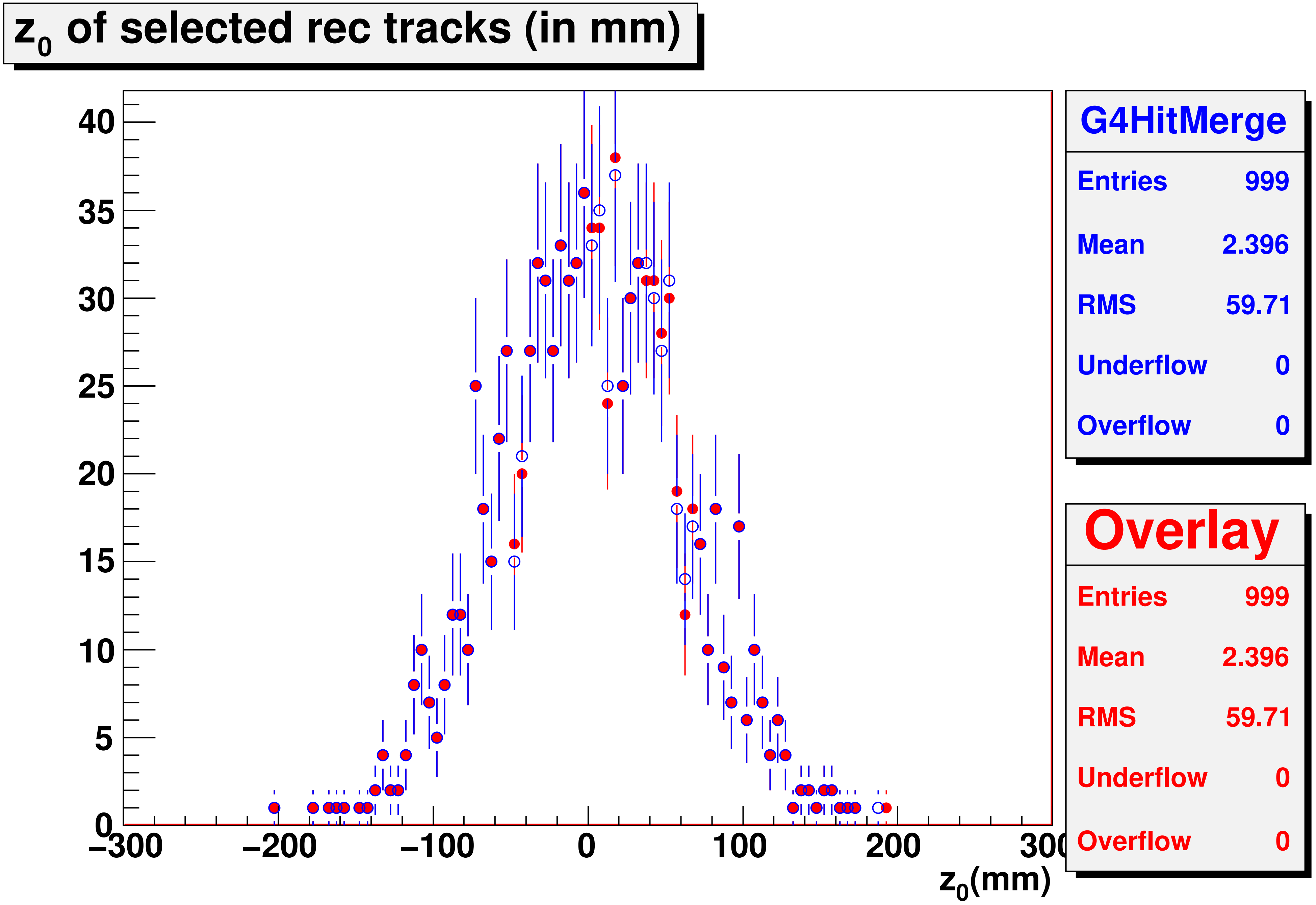

η of selected truth tracks
G4HitMerge
Entries 999
Mean −0.04391
RMS 1.394
Underflow 0
Overflow 0
Overlay
Entries 999
Mean −0.04391
RMS 1.394
Underflow 0
Overflow 0
η
30
25
20
15
10
5
0
−5 −4 −3 −2 −1 0 1 2 3 4 5



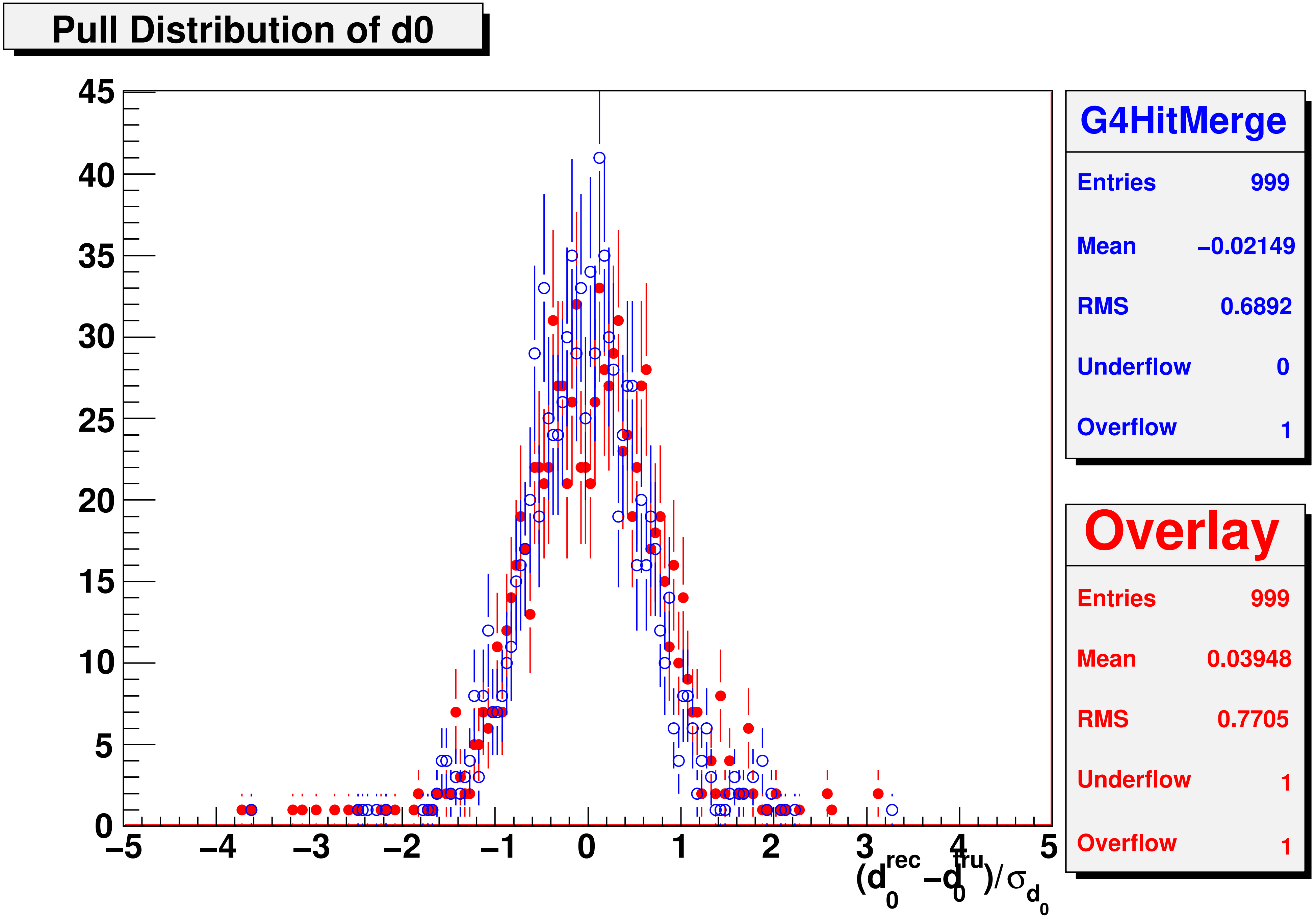
Z of interaction point (mm)
G4HitMerge
Entries 1000
Mean 2.426
RMS 59.84
Underflow 0
Overflow 0
Overlay
Entries 2000
Mean 2.426
RMS 59.84
Underflow 0
Overflow 0
R_z^{int}(mm)

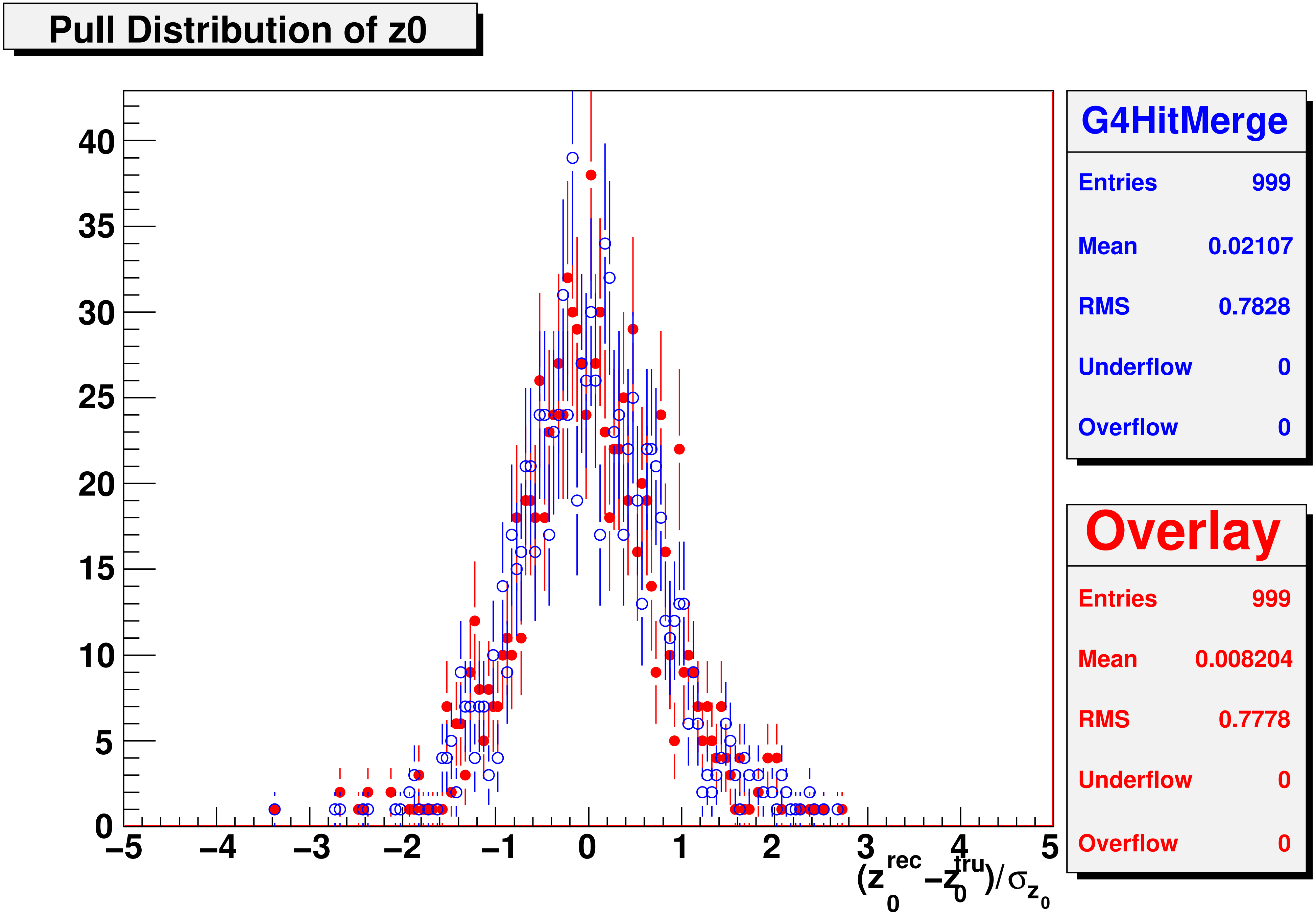


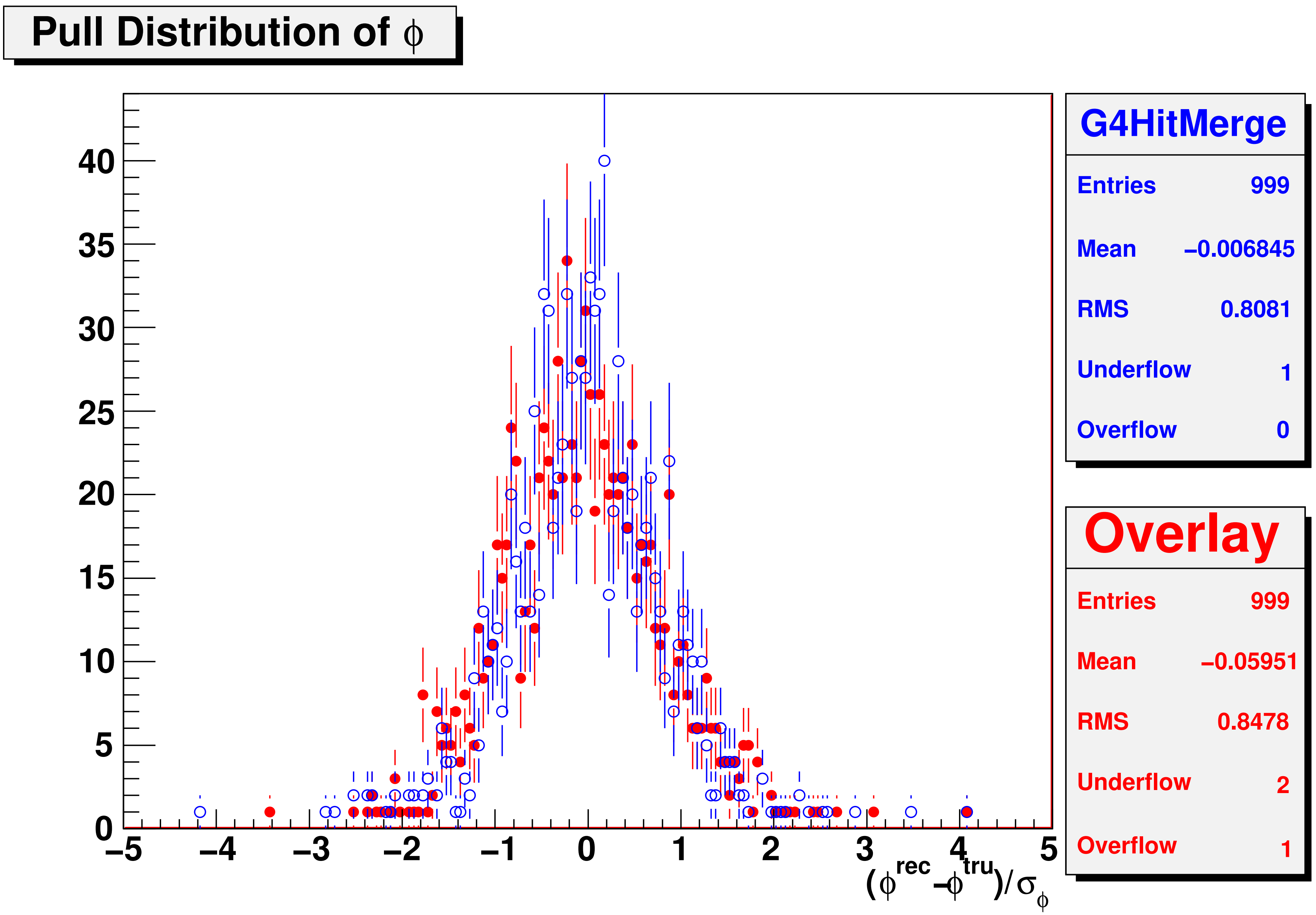
p_T of selected rec tracks (in GeV)
G4HitMerge
Entries 999
Mean 0
RMS 0
Underflow 0
Overflow 999
Overlay
Entries 999
Mean 0
RMS 0
Underflow 0
Overflow 999
1
0
2
4
6
8
10
12
14
16
18
20
p_T (GeV/c)



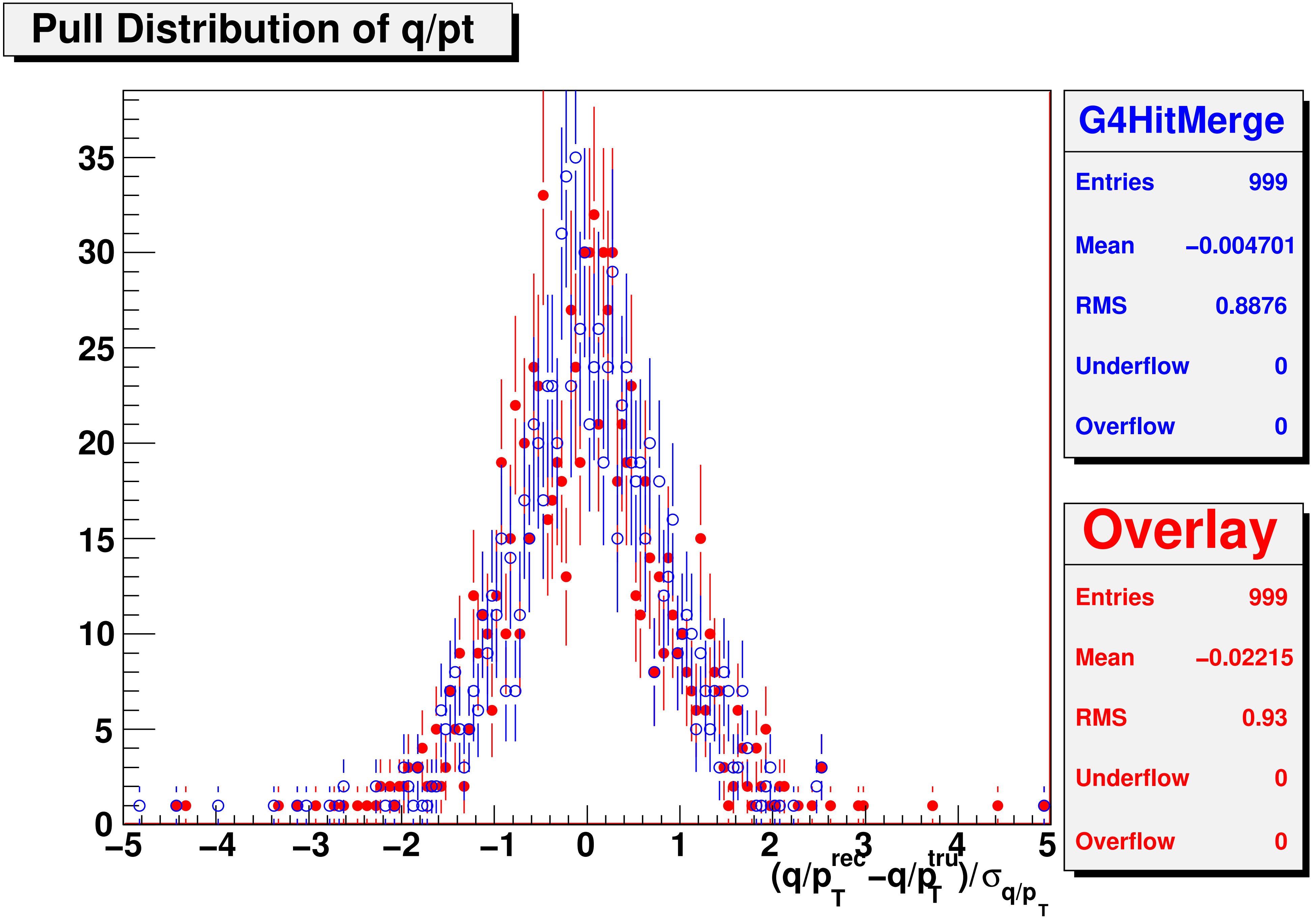
z0 of selected rec tracks (in mm)
G4HitMerge
Entries 999
Mean 2.396
RMS 59.71
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 2.396
RMS 59.71
Underflow 0
Overflow 0
z0(mm)


Pull Distribution of d0
G4HitMerge
Entries 999
Mean −0.02149
RMS 0.6892
Underflow 0
Overflow 1
Overlay
Entries 999
Mean 0.03948
RMS 0.7705
Underflow 1
Overflow 1
$(d_0^{rec} - d_0^{tru})/\sigma_{d_0}$
−5 −4 −3 −2 −1 0 1 2 3 4 5
0 5 10 15 20 25 30 35 40 45

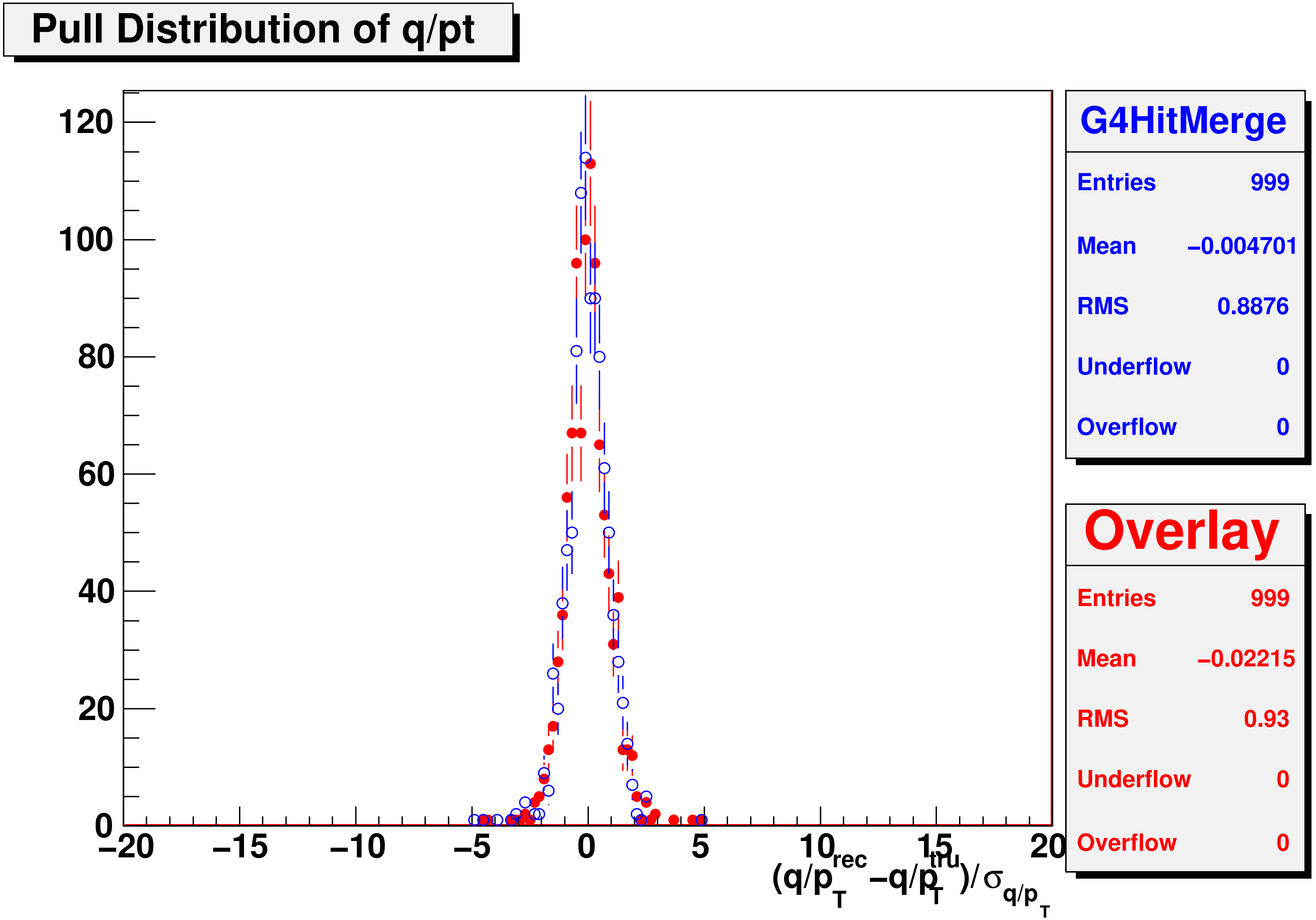

Pull Distribution of z0
G4HitMerge
Entries 999
Mean 0.02107
RMS 0.7828
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 0.008204
RMS 0.7778
Underflow 0
Overflow 0
$(z_0^{rec} - z_0^{tru})/\sigma_{z_0}$
0 5 10 15 20 25 30 35 40
−5 −4 −3 −2 −1 0 1 2 3 4 5



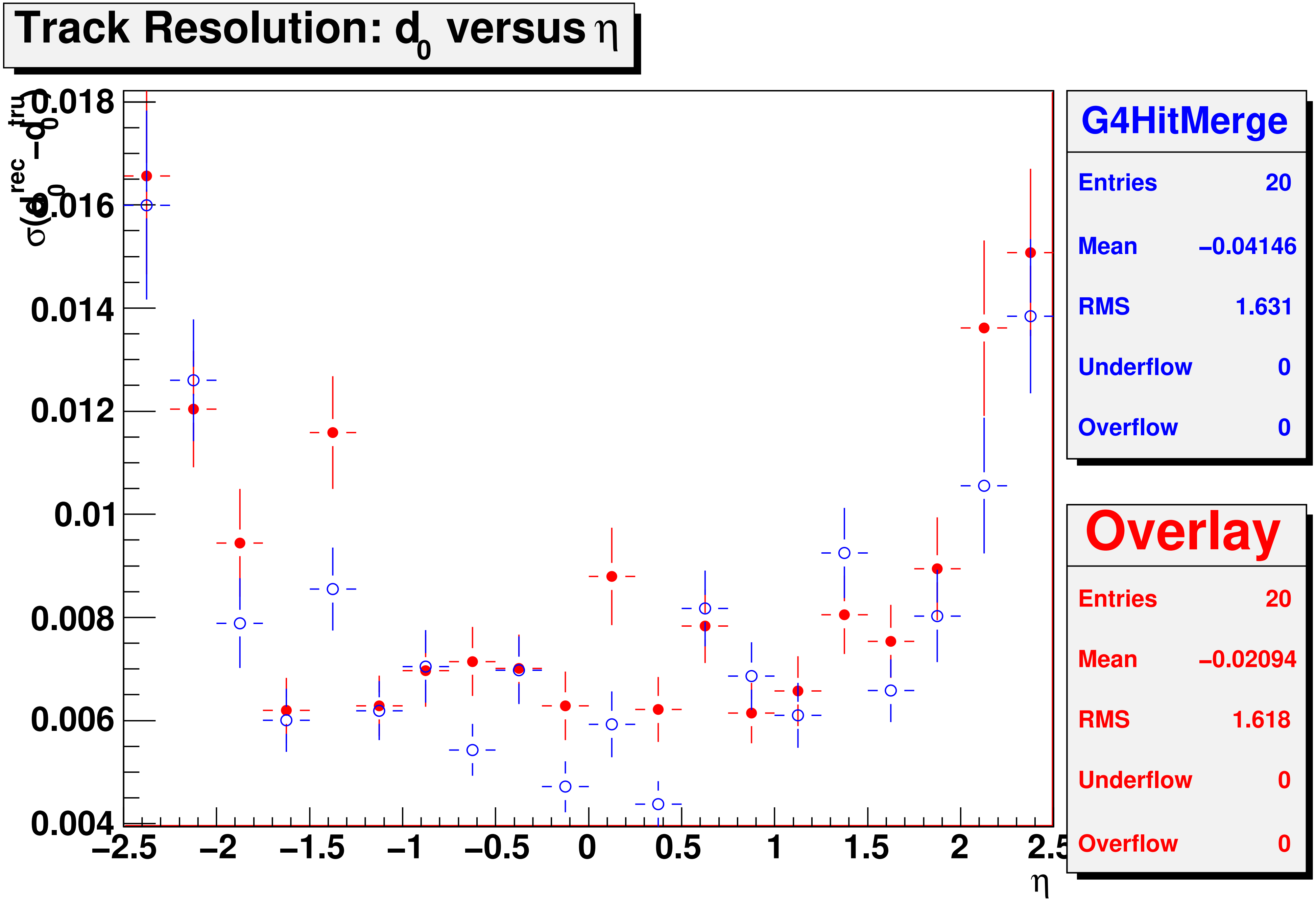
Pull Distribution of φ
G4HitMerge
Entries 999
Mean −0.006845
RMS 0.8081
Underflow 1
Overflow 0
Overlay
Entries 999
Mean −0.05951
RMS 0.8478
Underflow 2
Overflow 1
0
5
10
15
20
25
30
35
40
−5
−4
−3
−2
−1
0
1
2
3
4
5
$(\phi^{rec}-\phi^{tru})/\sigma_\phi$



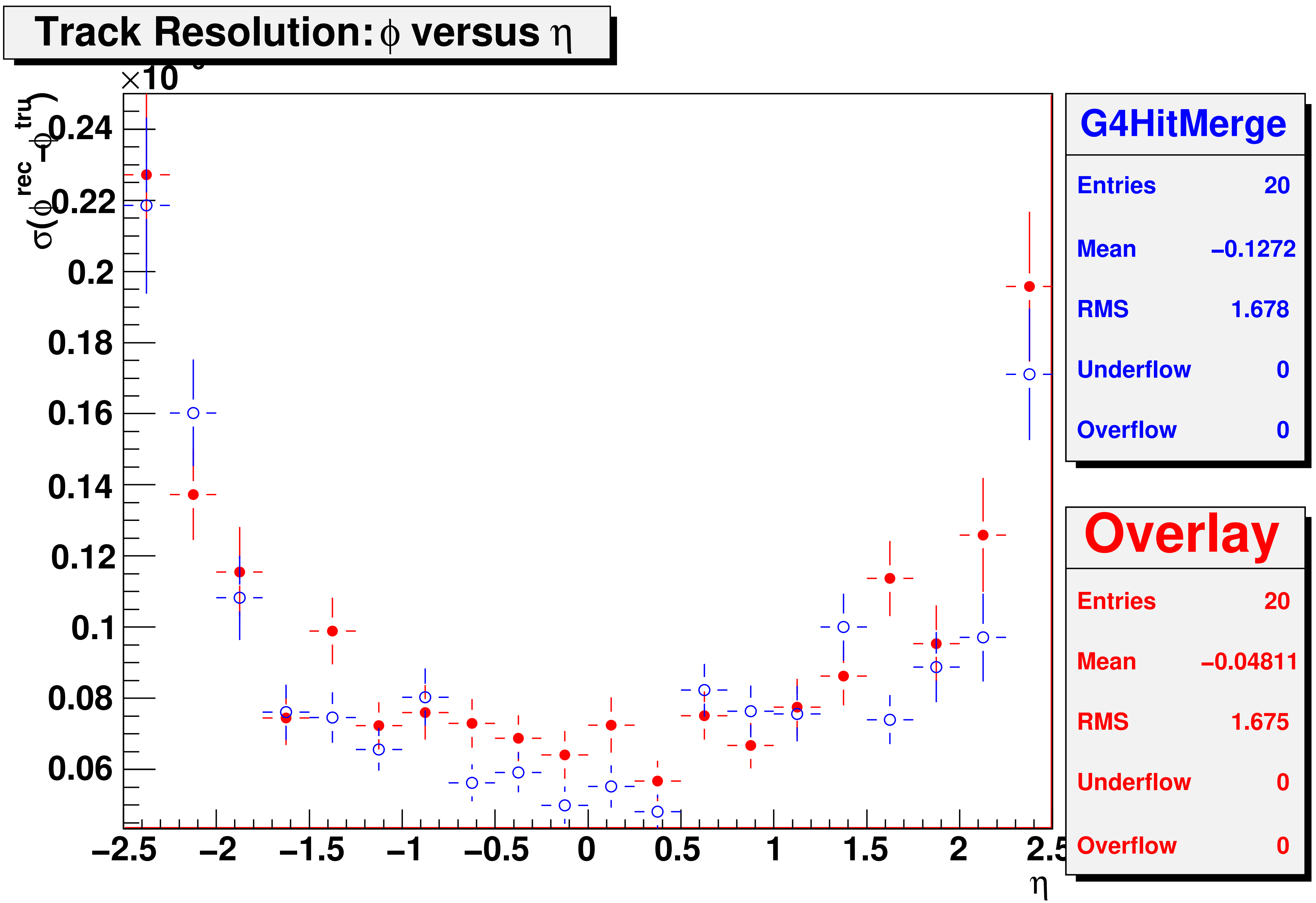
Pull Distribution of q/pt
G4HitMerge
Entries 999
Mean −0.004701
RMS 0.8876
Underflow 0
Overflow 0
Overlay
Entries 999
Mean −0.02215
RMS 0.93
Underflow 0
Overflow 0
$(q/p_T^{rec} - q/p_T^{tru})/\sigma_{q/p_T}$



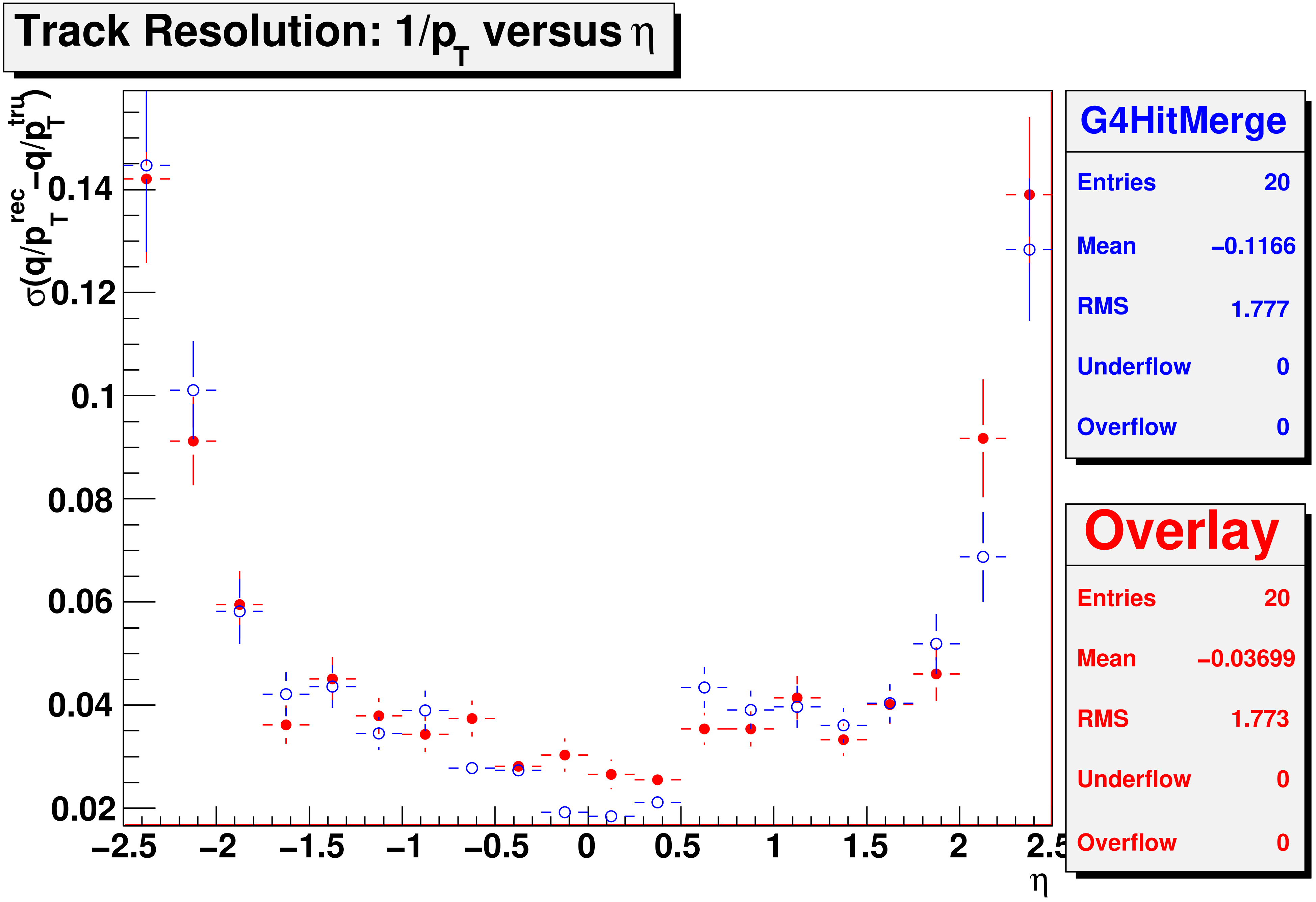
Pull Distribution of q/pt
G4HitMerge
Entries 999
Mean −0.004701
RMS 0.8876
Underflow 0
Overflow 0
Overlay
Entries 999
Mean −0.02215
RMS 0.93
Underflow 0
Overflow 0
$(q/p_T^{rec} - q/p_T^{tru})/\sigma_{q/p_T}$
0
20
40
60
80
100
120
−20
−15
−10
−5
0
5
10
15
20



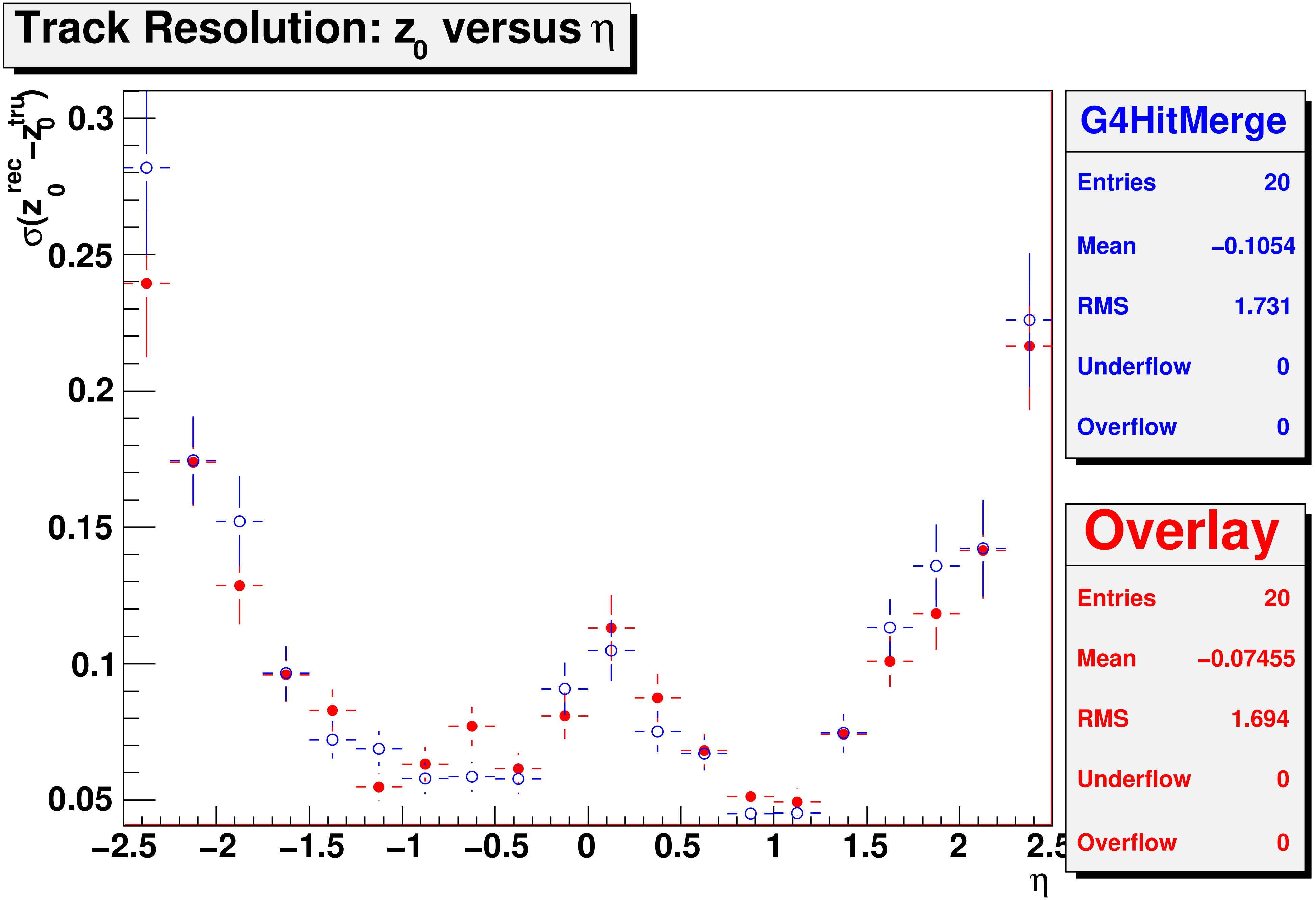
Track Resolution: d0 versus η
σ(d0rec − d0tru)
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean −0.04146
RMS 1.631
Underflow 0
Overflow 0
Overlay
Entries 20
Mean −0.02094
RMS 1.618
Underflow 0
Overflow 0



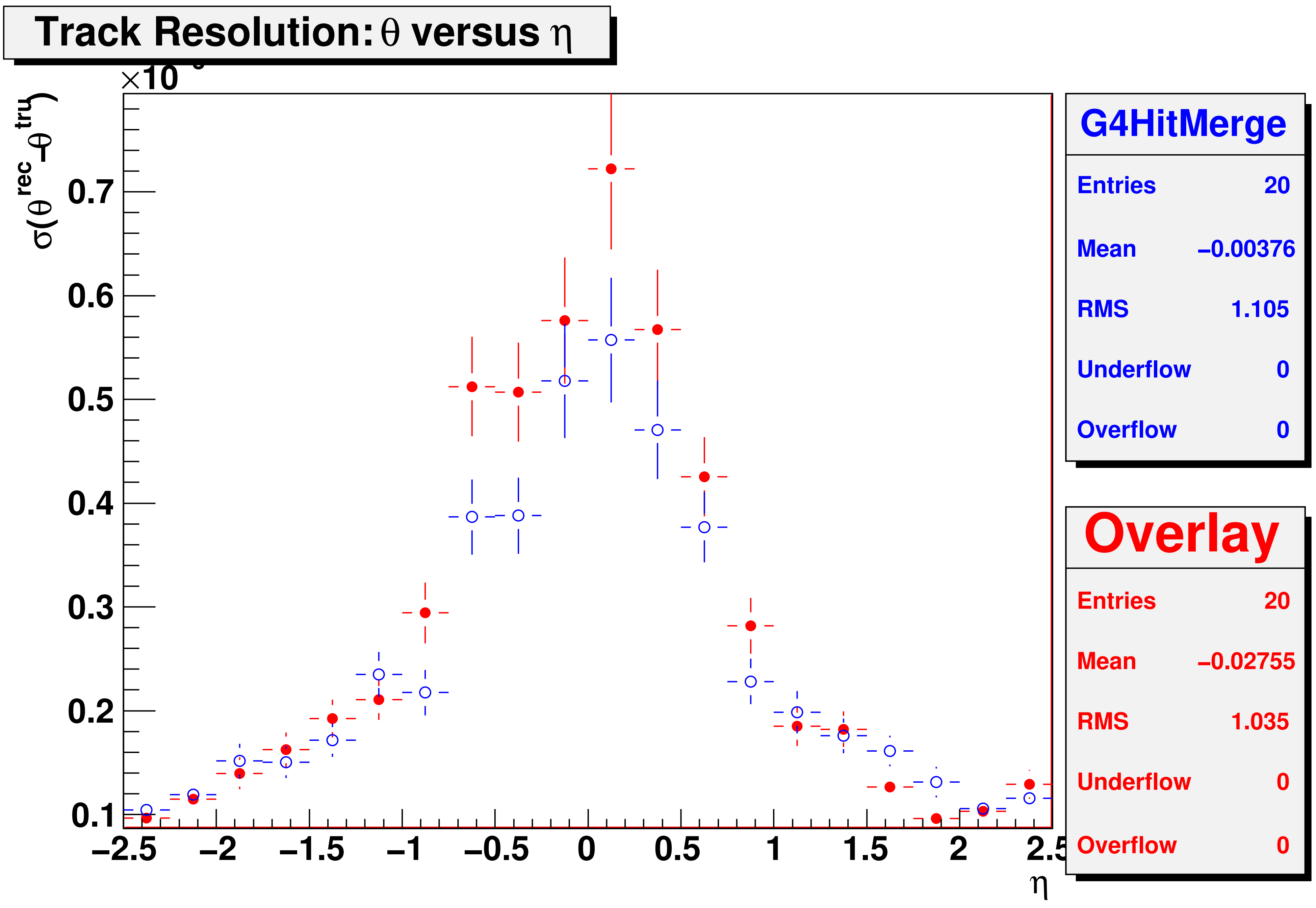
Track Resolution: ϕ versus η
$\times 10^{-3}$
$\sigma(\phi^{rec}-\phi^{tru})$
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
–2.5
–2
–1.5
–1
–0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean –0.1272
RMS 1.678
Underflow 0
Overflow 0
Overlay
Entries 20
Mean –0.04811
RMS 1.675
Underflow 0
Overflow 0



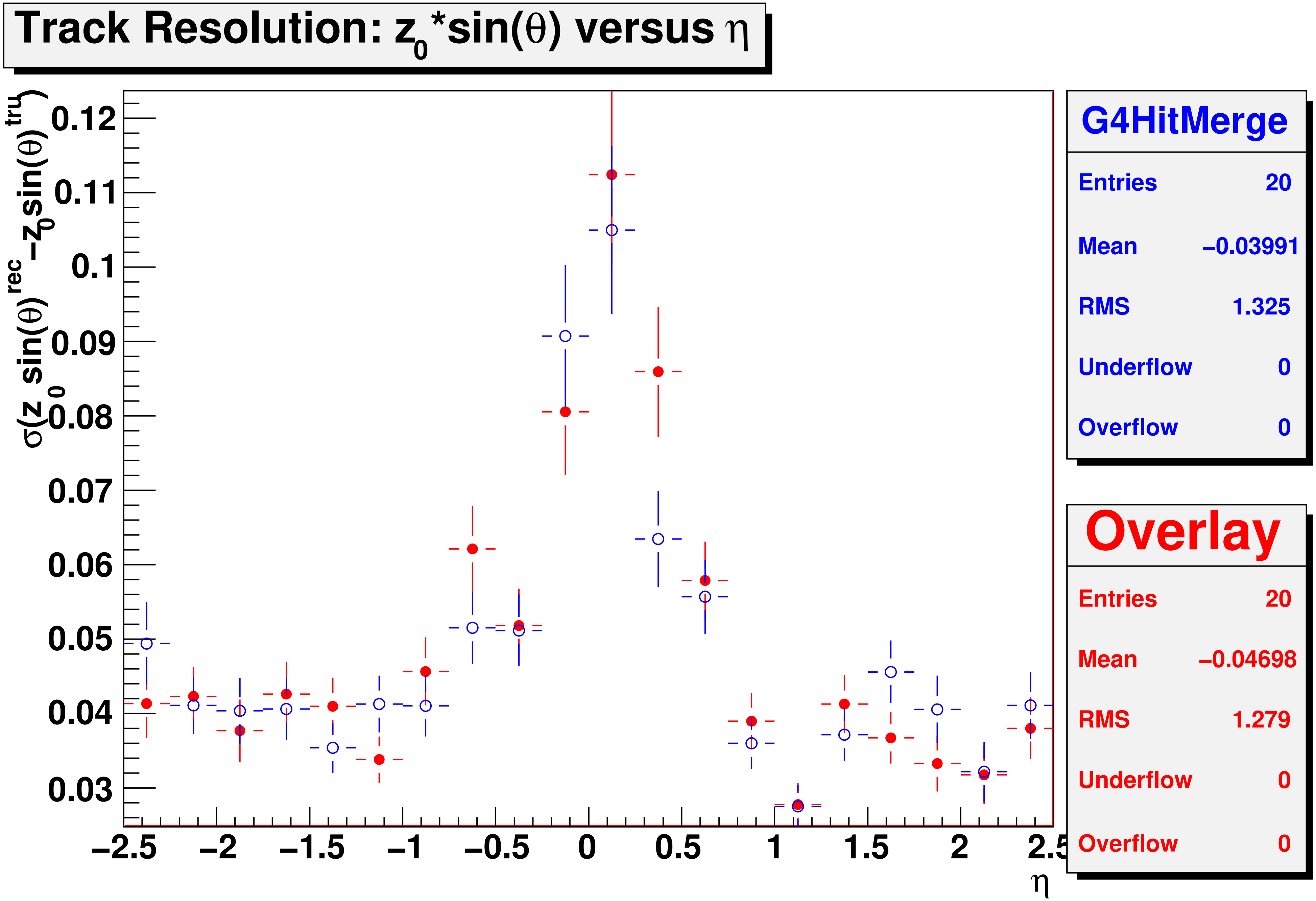
Track Resolution: 1/p_T versus η
σ(q/p_T^rec − q/p_T^tru)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean −0.1166
RMS 1.777
Underflow 0
Overflow 0
Overlay
Entries 20
Mean −0.03699
RMS 1.773
Underflow 0
Overflow 0



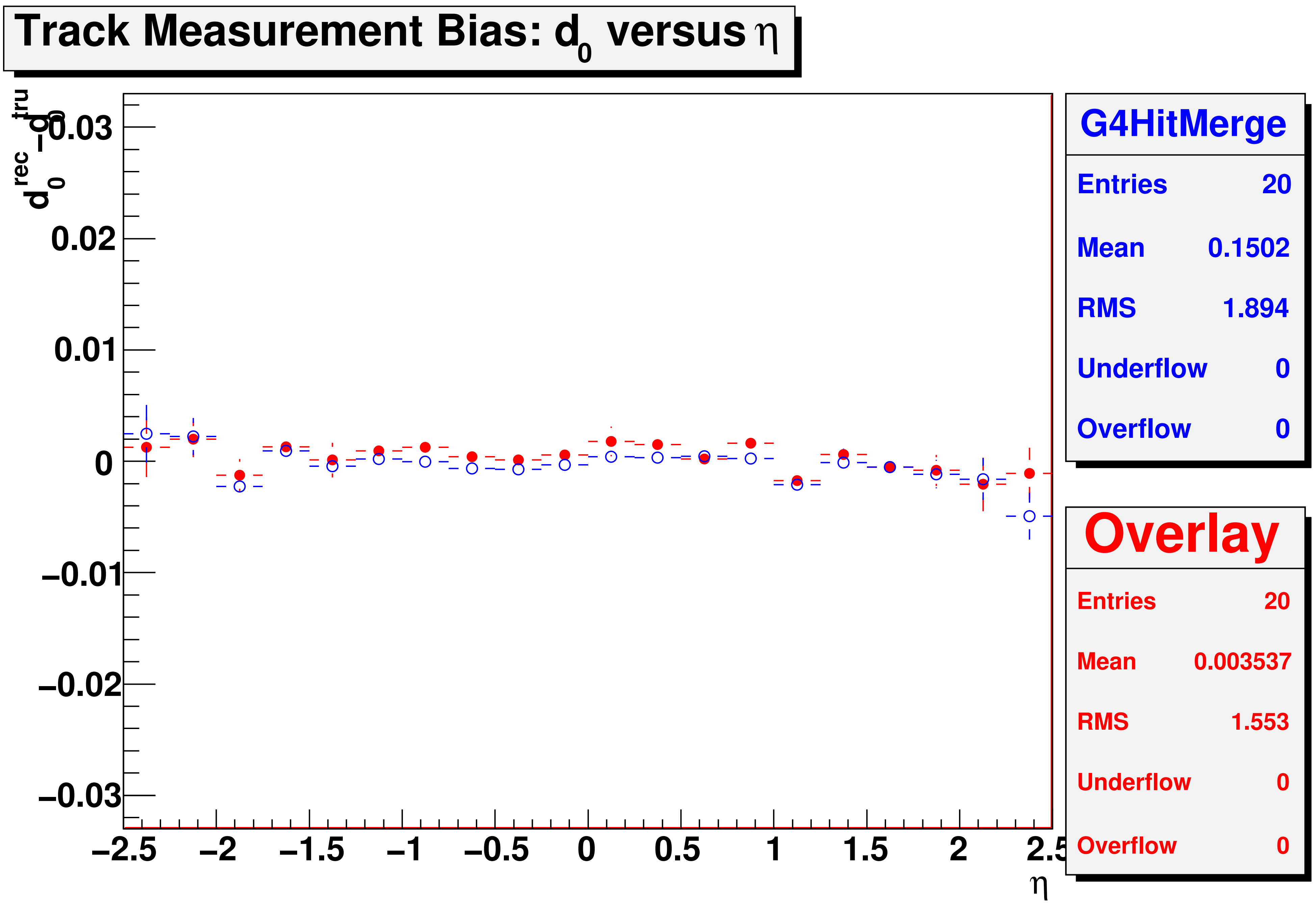
Track Resolution: z_0 versus η
$\sigma(z_0^{rec} - z_0^{tru})$
0.3
0.25
0.2
0.15
0.1
0.05
–2.5
–2
–1.5
–1
–0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean –0.1054
RMS 1.731
Underflow 0
Overflow 0
Overlay
Entries 20
Mean –0.07455
RMS 1.694
Underflow 0
Overflow 0



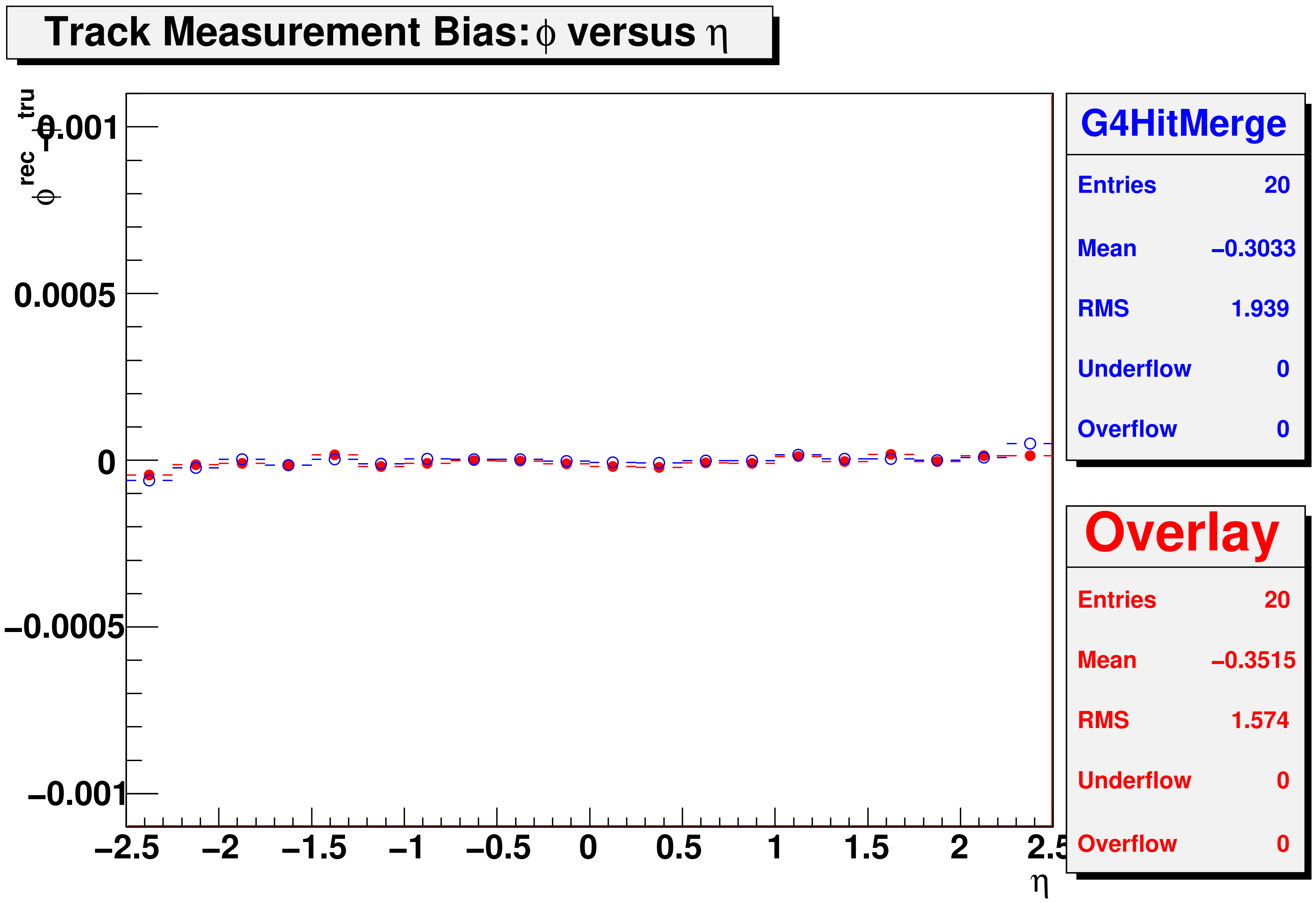
Track Resolution: θ versus η
×10
σ(θ^rec−θ^tru)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean −0.00376
RMS 1.105
Underflow 0
Overflow 0
Overlay
Entries 20
Mean −0.02755
RMS 1.035
Underflow 0
Overflow 0



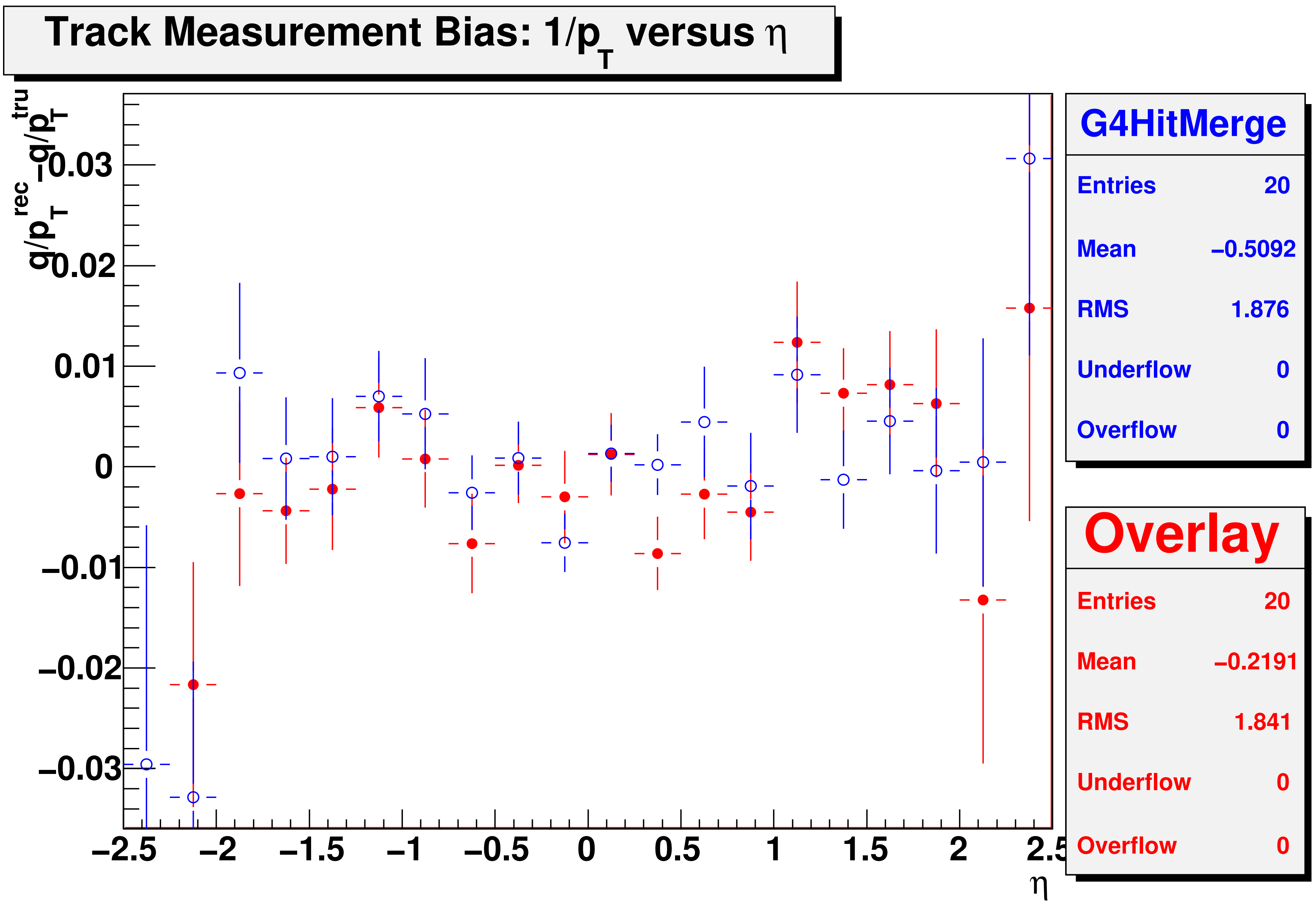
Track Resolution: z0*sin(θ) versus η
σ(z0sin(θ)^rec − z0sin(θ)^tru)
η
G4HitMerge
Entries 20
Mean −0.03991
RMS 1.325
Underflow 0
Overflow 0
Overlay
Entries 20
Mean −0.04698
RMS 1.279
Underflow 0
Overflow 0



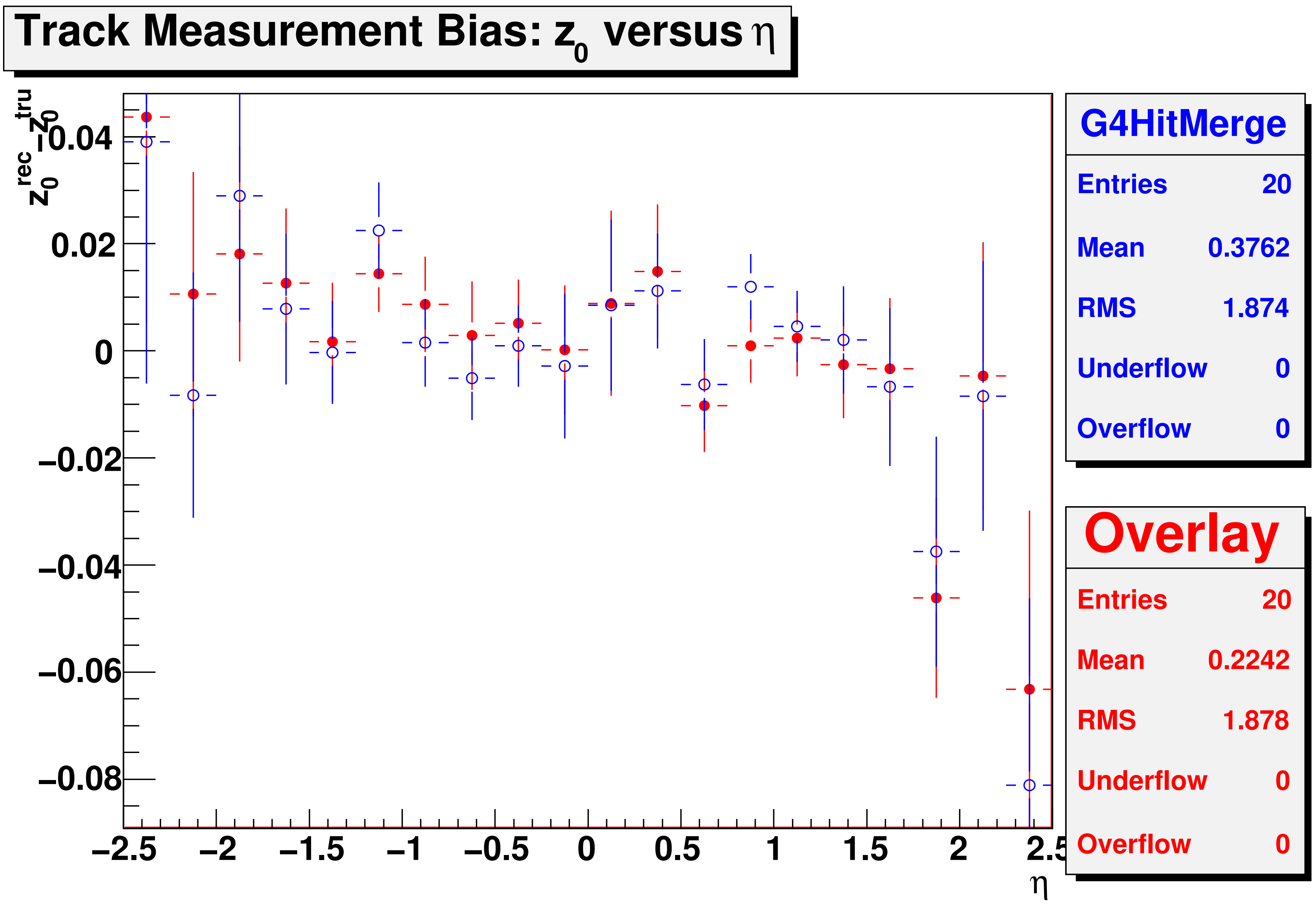
Track Measurement Bias: d0 versus η
d0rec−d0tru
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean 0.1502
RMS 1.894
Underflow 0
Overflow 0
Overlay
Entries 20
Mean 0.003537
RMS 1.553
Underflow 0
Overflow 0

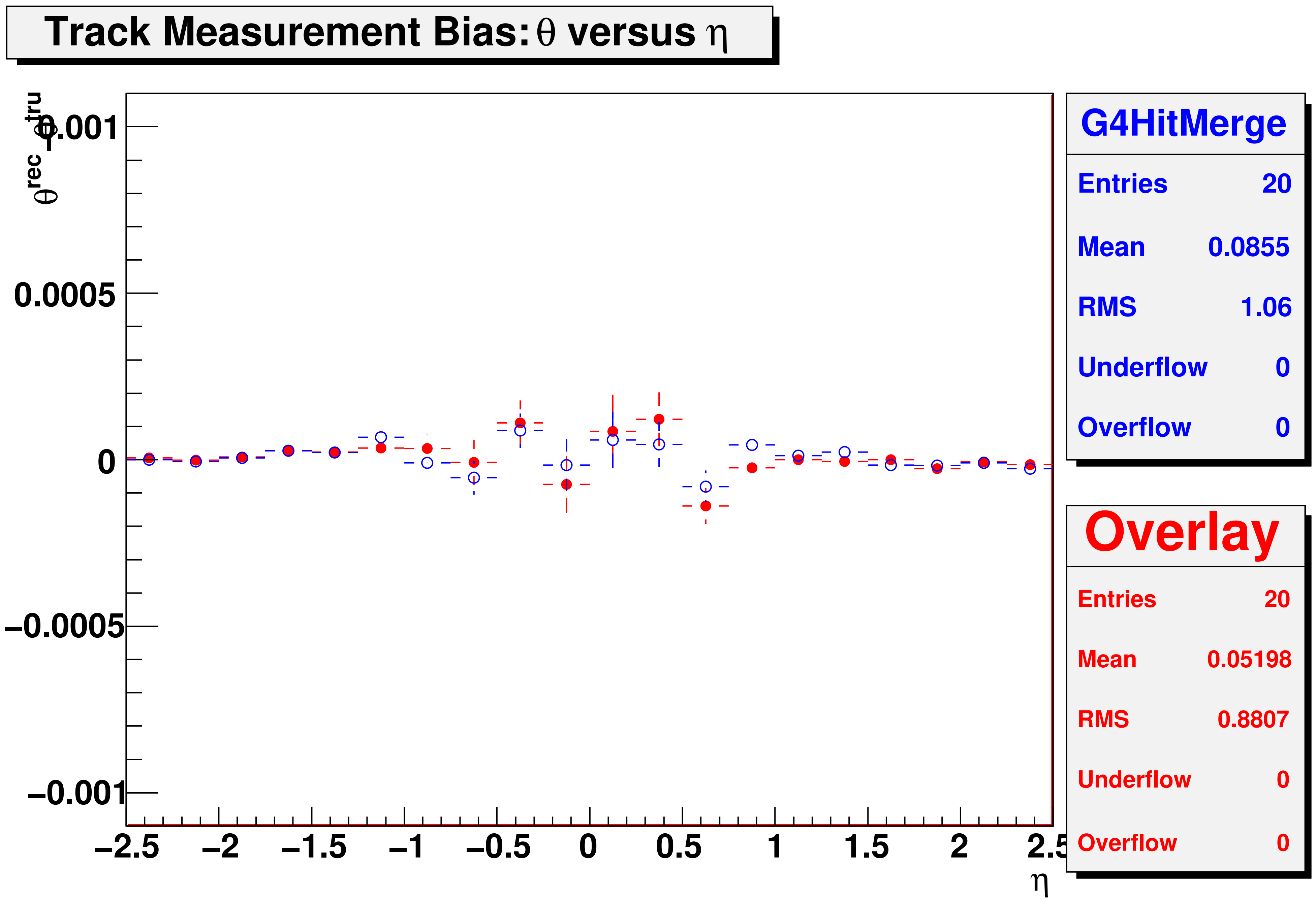


Track Measurement Bias: ϕ versus η
$\phi^{rec} - \phi^{tru}$
0.001
0.0005
0
−0.0005
−0.001
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean −0.3033
RMS 1.939
Underflow 0
Overflow 0
Overlay
Entries 20
Mean −0.3515
RMS 1.574
Underflow 0
Overflow 0

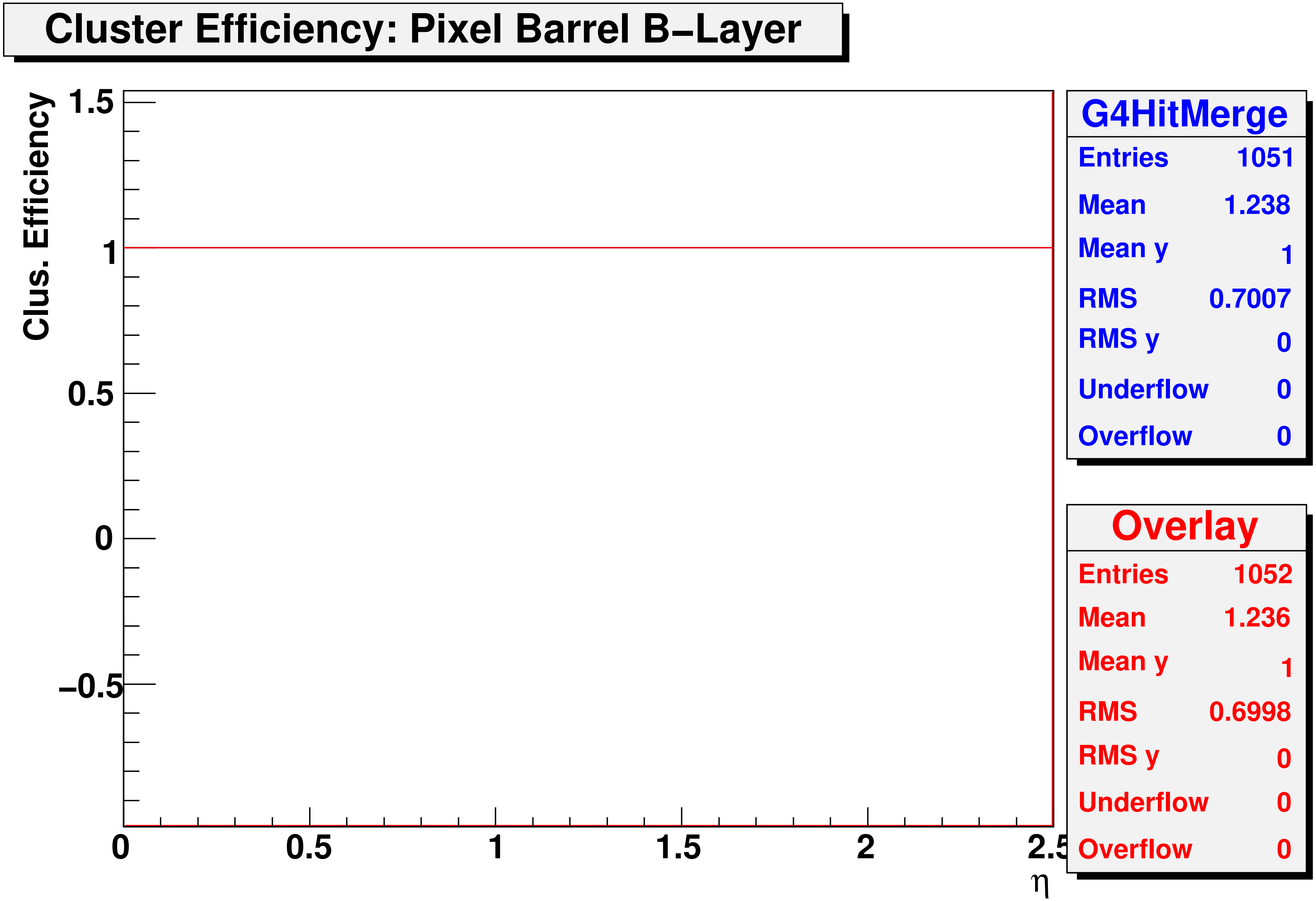


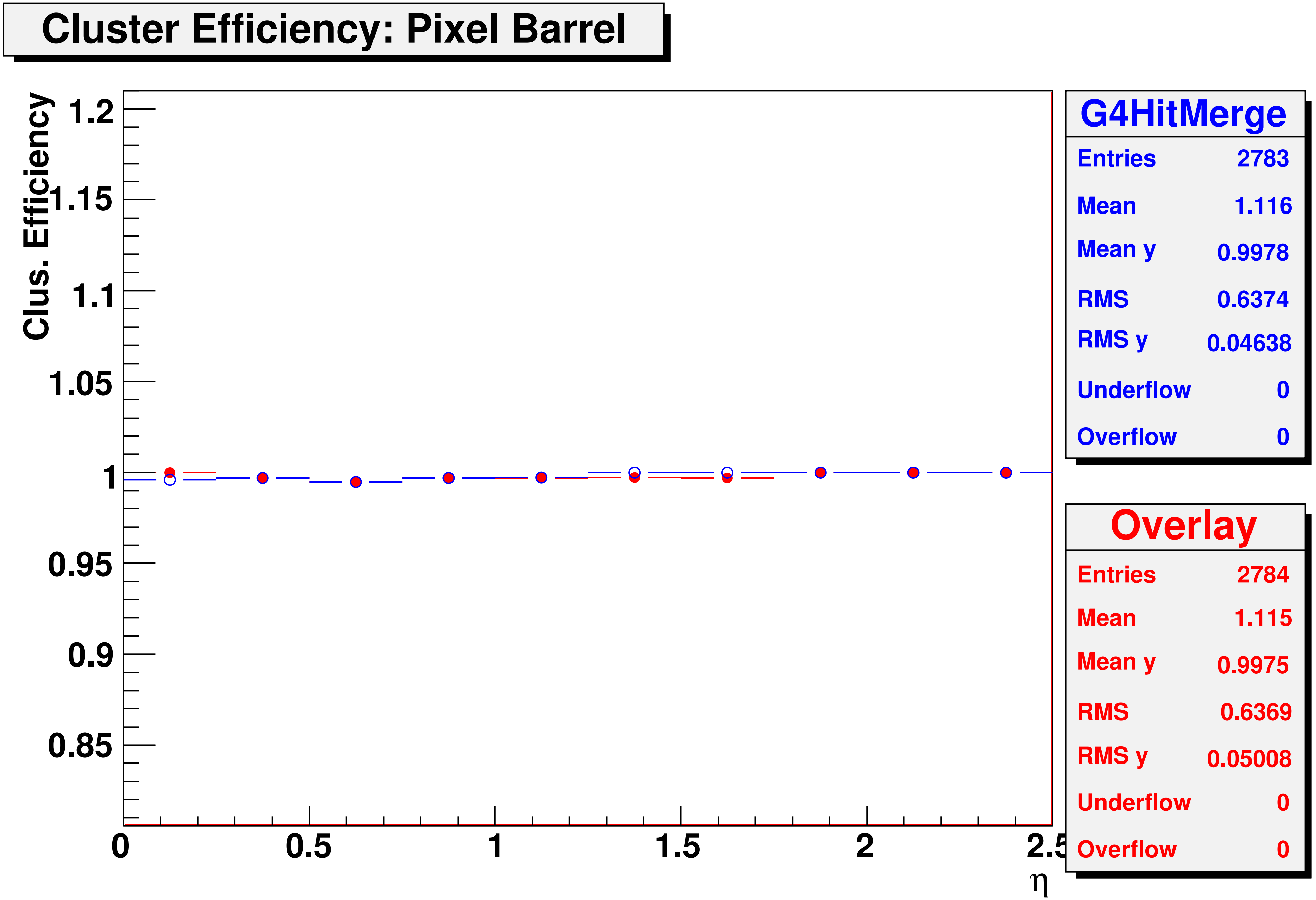
Track Measurement Bias: 1/p_T versus η
$g/p_T^{rec} - g/p_T^{tru}$
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean −0.5092
RMS 1.876
Underflow 0
Overflow 0
Overlay
Entries 20
Mean −0.2191
RMS 1.841
Underflow 0
Overflow 0

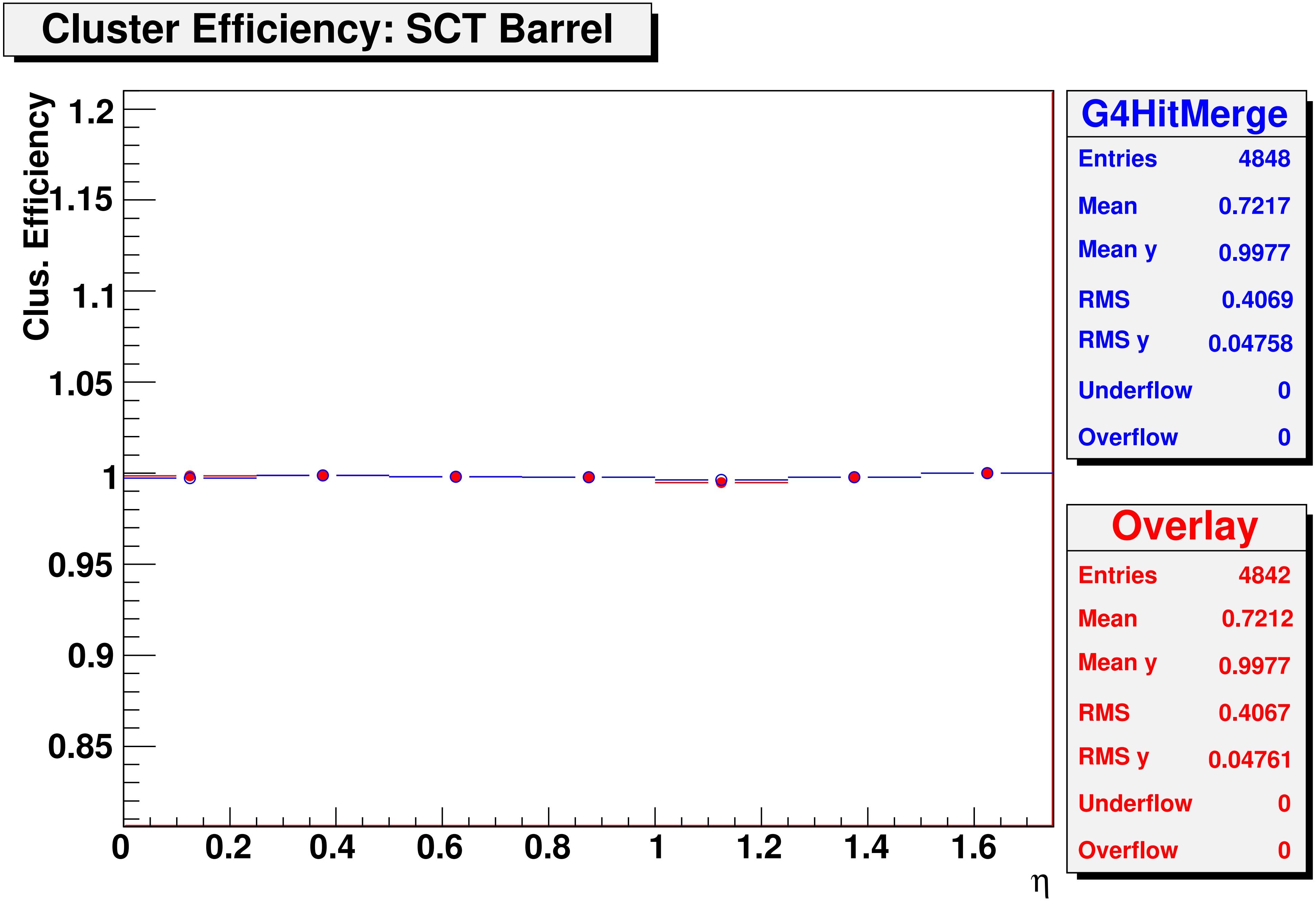

Track Measurement Bias: z0 versus η
z0rec−z0tru
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean 0.3762
RMS 1.874
Underflow 0
Overflow 0
Overlay
Entries 20
Mean 0.2242
RMS 1.878
Underflow 0
Overflow 0



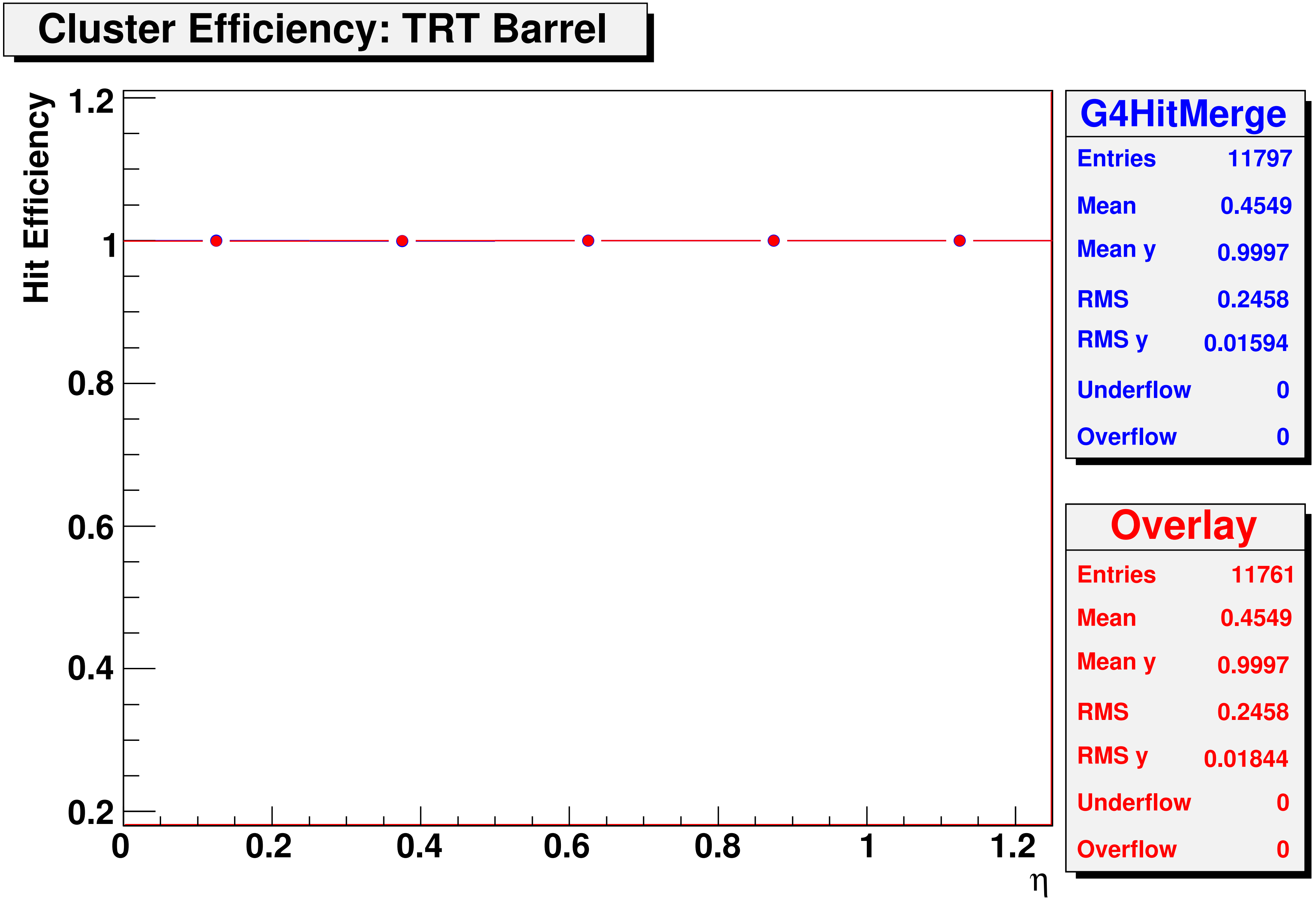
Track Measurement Bias: θ versus η
$\theta^{rec}-\theta^{tru}$
0.001
0.0005
0
−0.0005
−0.001
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 20
Mean 0.0855
RMS 1.06
Underflow 0
Overflow 0
Overlay
Entries 20
Mean 0.05198
RMS 0.8807
Underflow 0
Overflow 0


Cluster Efficiency: Pixel Barrel B−Layer
Clus. Efficiency
1.5
1
0.5
0
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 1051
Mean 1.238
Mean y 1
RMS 0.7007
RMS y 0
Underflow 0
Overflow 0
Overlay
Entries 1052
Mean 1.236
Mean y 1
RMS 0.6998
RMS y 0
Underflow 0
Overflow 0

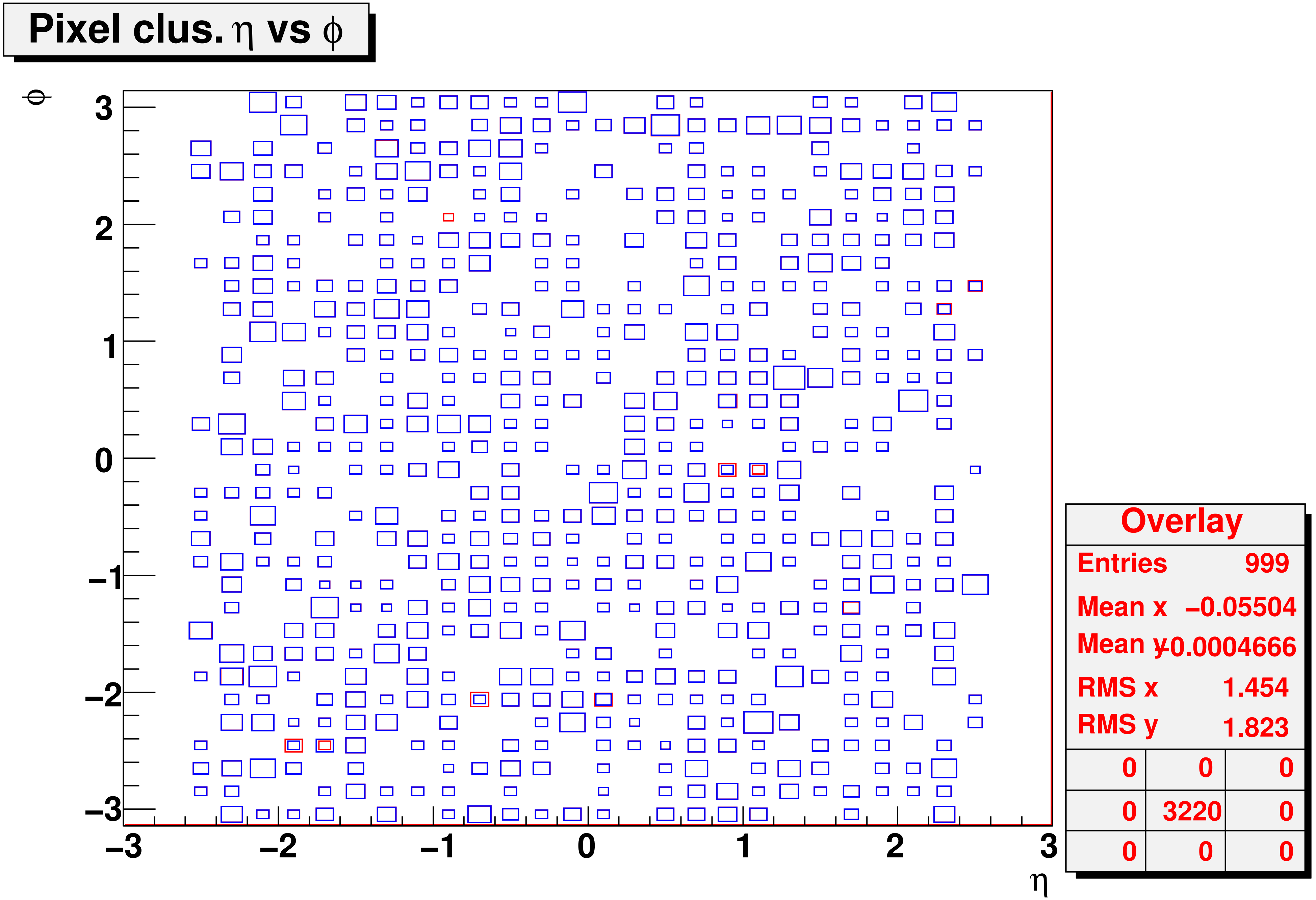

Cluster Efficiency: Pixel Barrel
Clus. Efficiency
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 2783
Mean 1.116
Mean y 0.9978
RMS 0.6374
RMS y 0.04638
Underflow 0
Overflow 0
Overlay
Entries 2784
Mean 1.115
Mean y 0.9975
RMS 0.6369
RMS y 0.05008
Underflow 0
Overflow 0



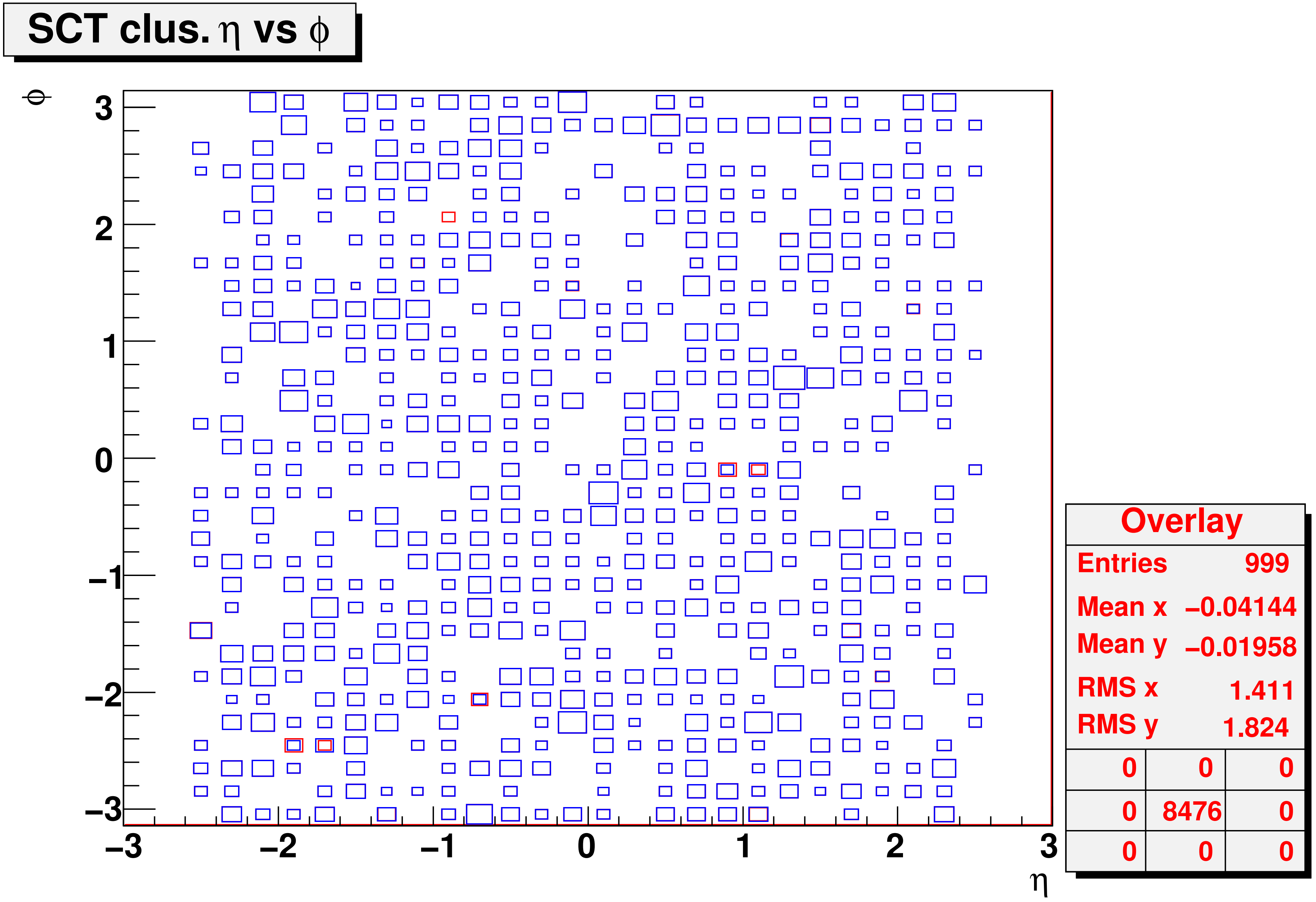
Cluster Efficiency: SCT Barrel
Clus. Efficiency
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
η
G4HitMerge
Entries 4848
Mean 0.7217
Mean y 0.9977
RMS 0.4069
RMS y 0.04758
Underflow 0
Overflow 0
Overlay
Entries 4842
Mean 0.7212
Mean y 0.9977
RMS 0.4067
RMS y 0.04761
Underflow 0
Overflow 0

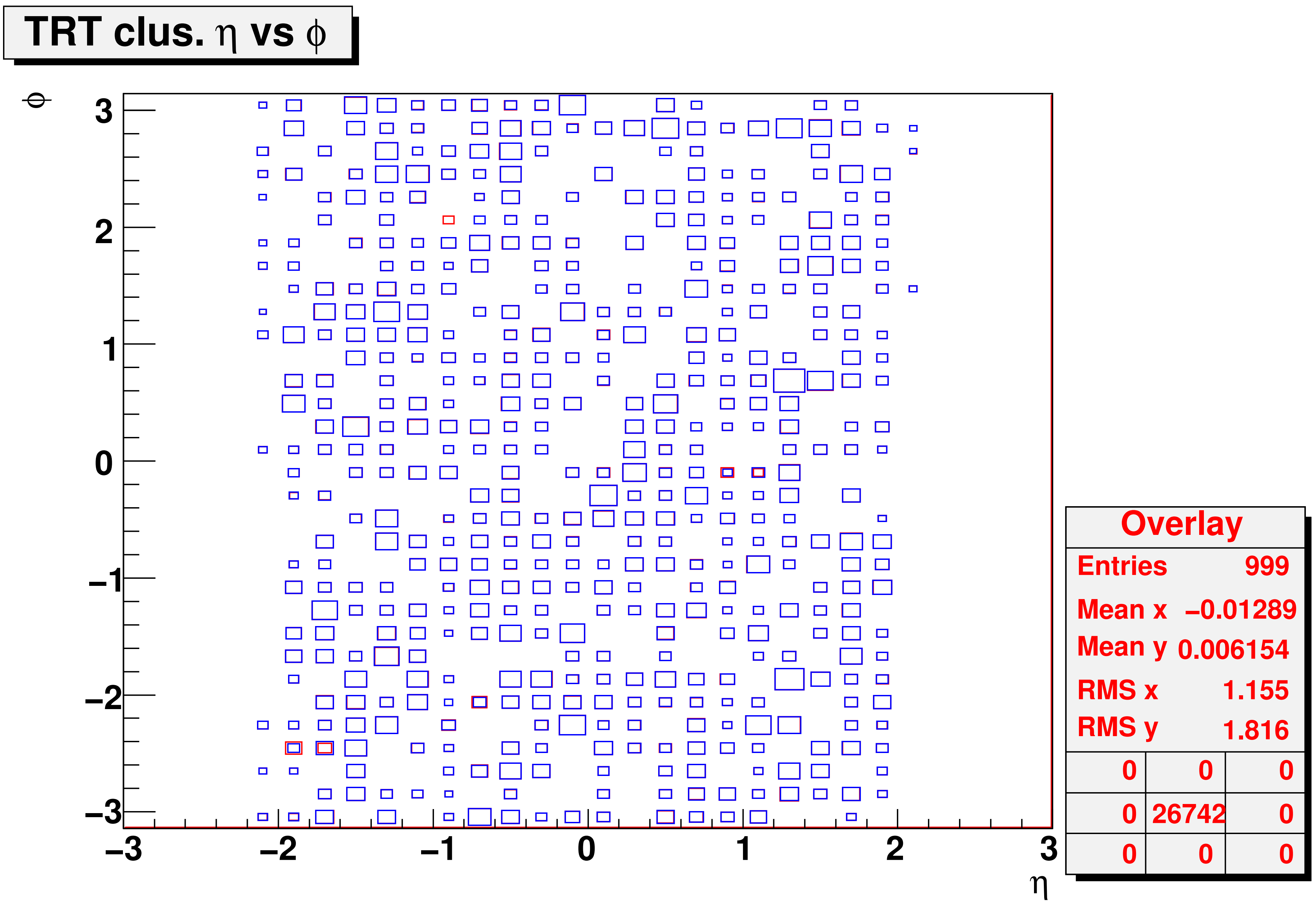


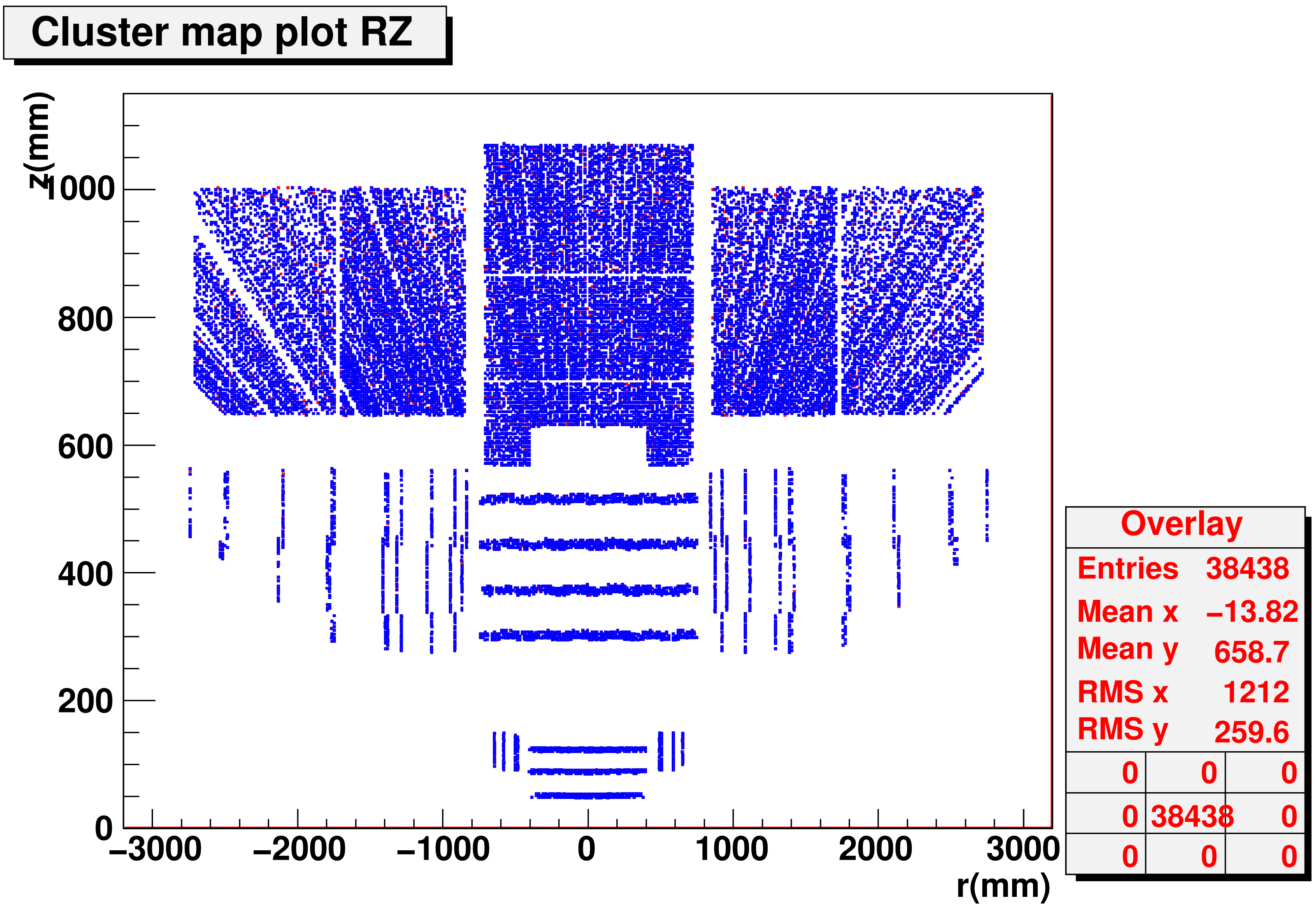
Cluster Efficiency: TRT Barrel
Hit Efficiency
1.2
1
0.8
0.6
0.4
0.2
0
0.2
0.4
0.6
0.8
1
1.2
η
G4HitMerge
Entries 11797
Mean 0.4549
Mean y 0.9997
RMS 0.2458
RMS y 0.01594
Underflow 0
Overflow 0
Overlay
Entries 11761
Mean 0.4549
Mean y 0.9997
RMS 0.2458
RMS y 0.01844
Underflow 0
Overflow 0



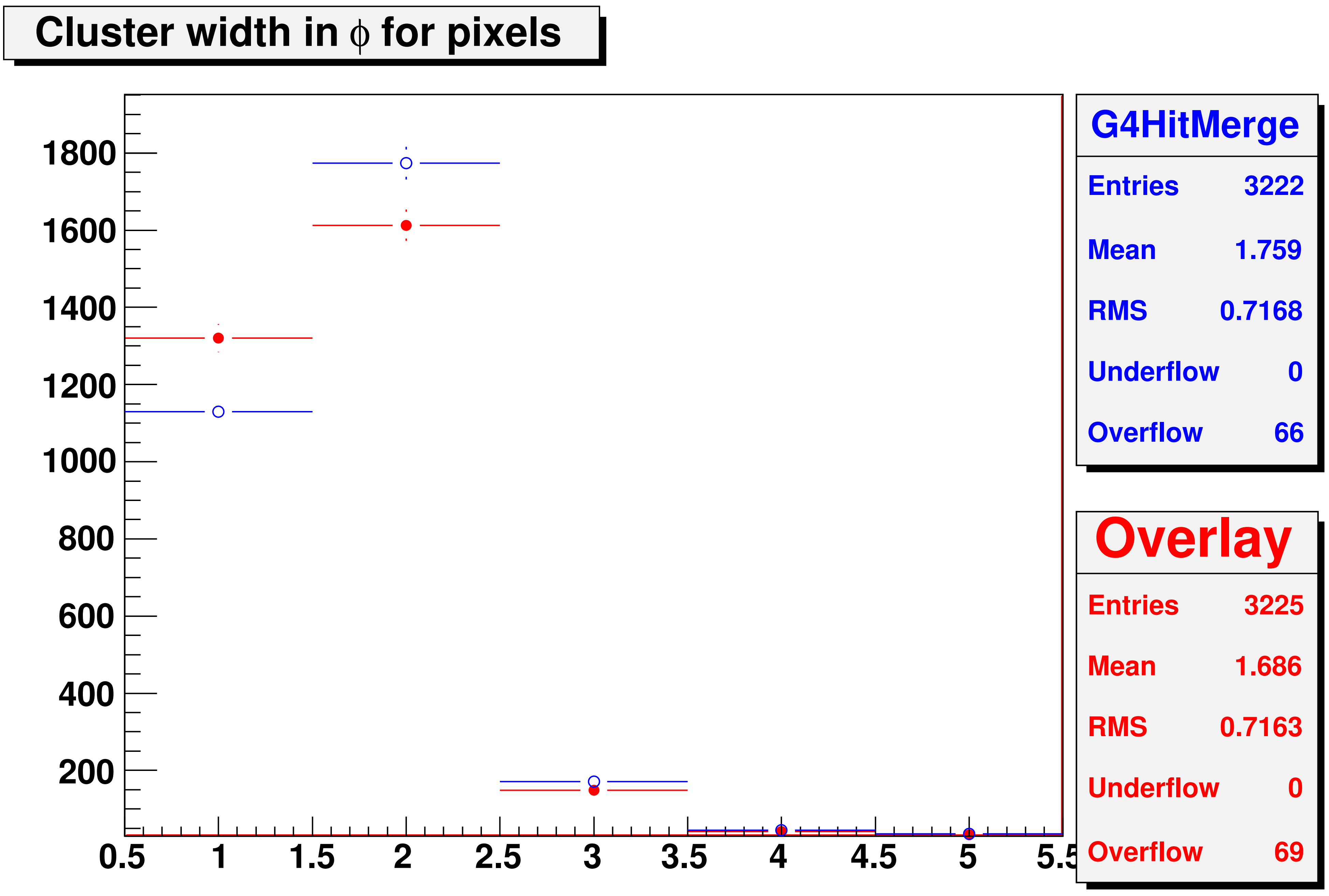
Pixel clus. η vs φ
φ
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
η
Overlay
Entries 999
Mean x −0.05504
Mean y 0.0004666
RMS x 1.454
RMS y 1.823
0 0 0
0 3220 0
0 0 0


SCT clus. η vs φ
φ
3
2
1
0
−1
−2
−3
η
Overlay
Entries 999
Mean x −0.04144
Mean y −0.01958
RMS x 1.411
RMS y 1.824
0 0 0
0 8476 0
0 0 0

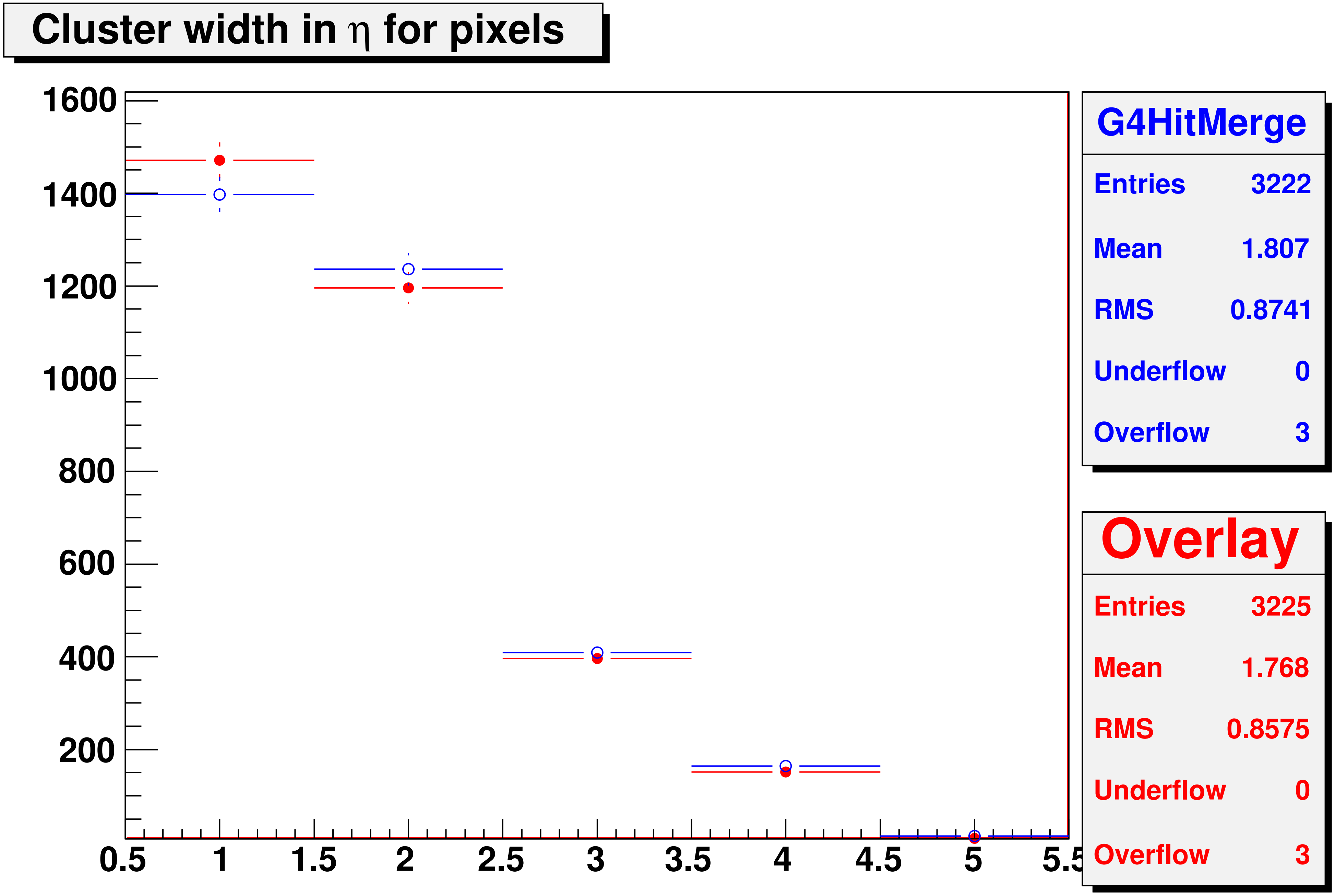

TRT clus. η vs φ
φ
η
3
2
1
0
−1
−2
−3
Overlay
Entries 999
Mean x −0.01289
Mean y 0.006154
RMS x 1.155
RMS y 1.816
0 0 0
0 26742 0
0 0 0

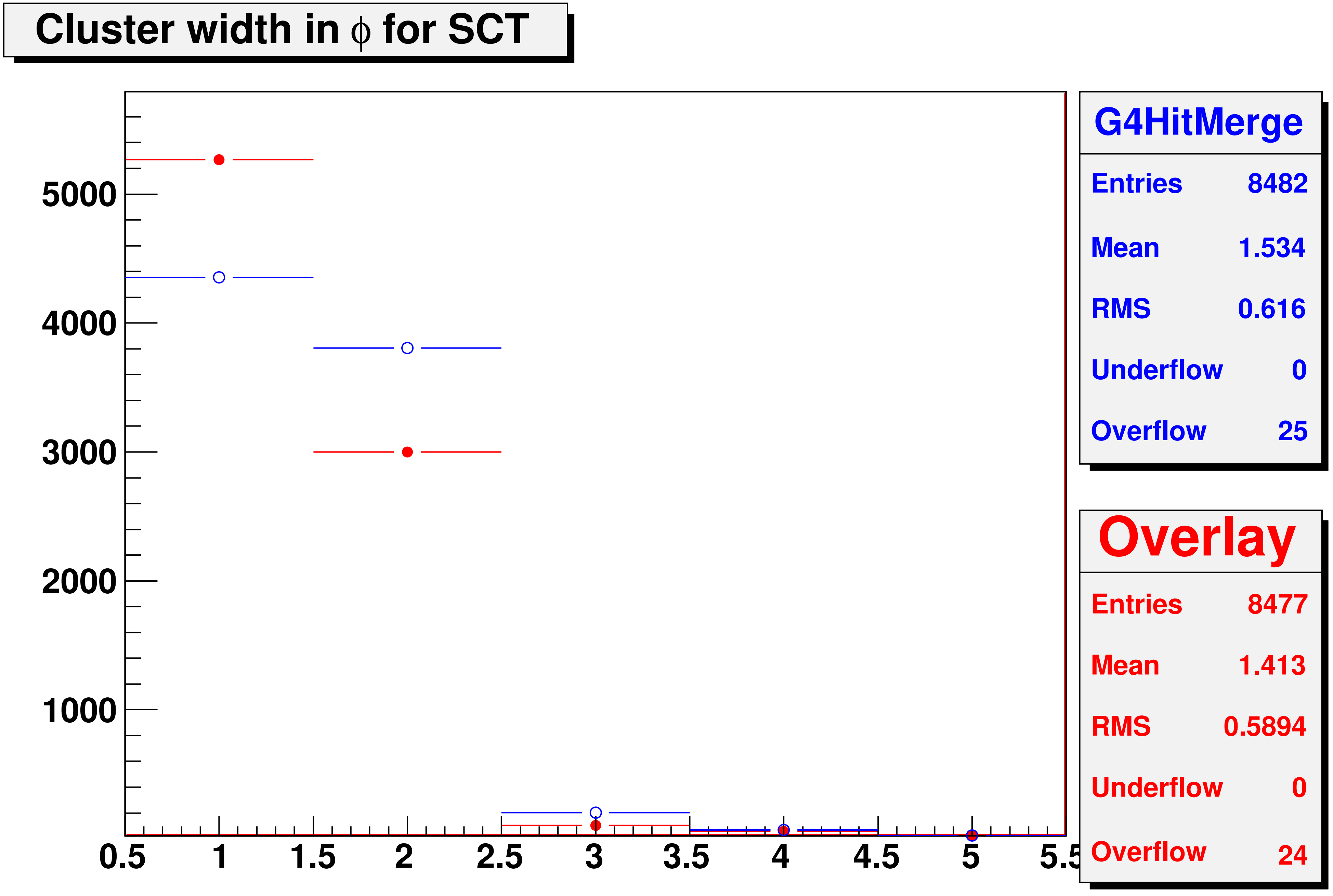


Cluster map plot RZ
z(mm)
1000
800
600
400
200
0
−3000
−2000
−1000
0
1000
2000
3000
r(mm)
Overlay
Entries 38438
Mean x −13.82
Mean y 658.7
RMS x 1212
RMS y 259.6
0 0 0
0 38438 0
0 0 0

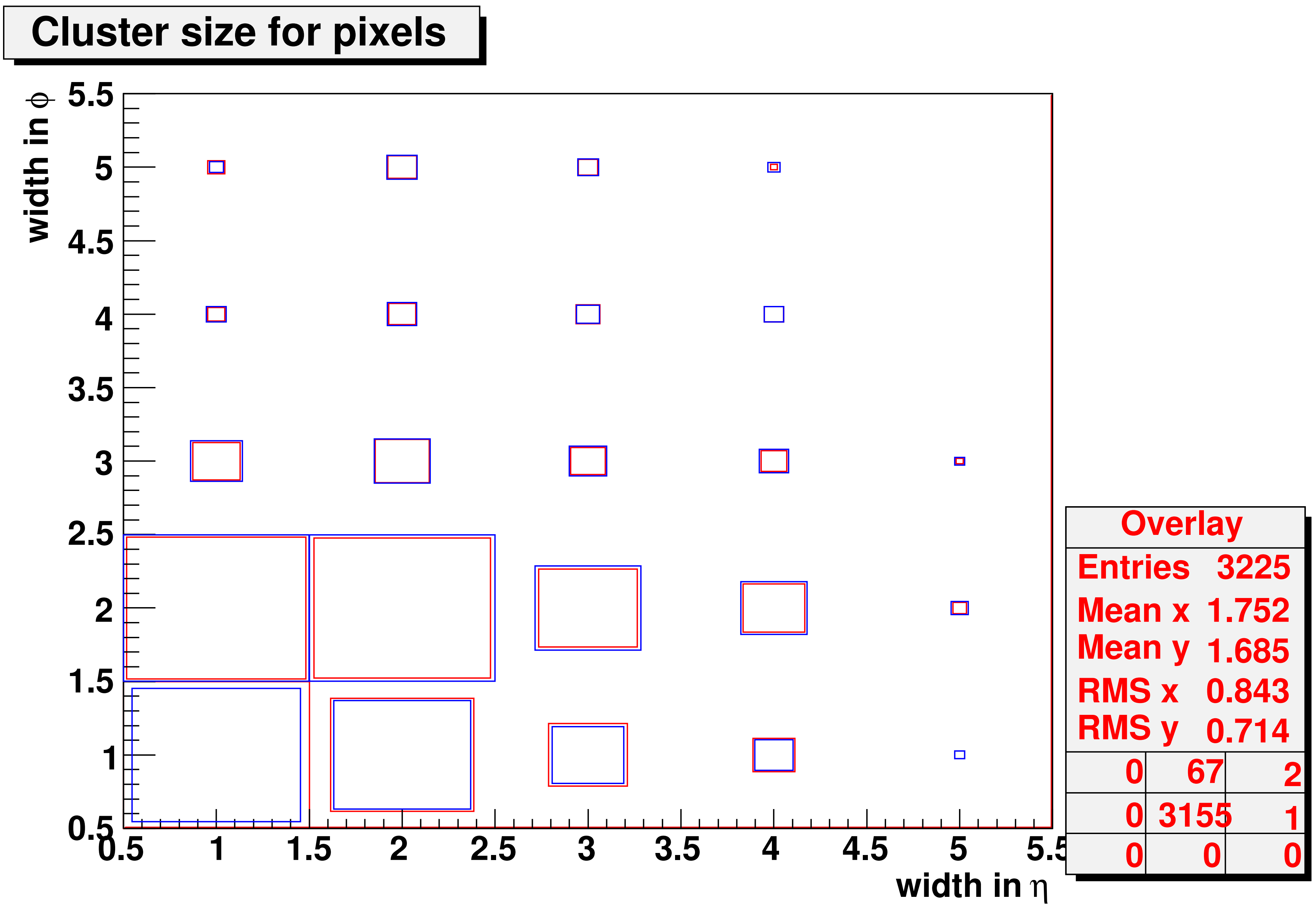


Cluster width in ϕ for pixels
G4HitMerge
Entries 3222
Mean 1.759
RMS 0.7168
Underflow 0
Overflow 66
Overlay
Entries 3225
Mean 1.686
RMS 0.7163
Underflow 0
Overflow 69

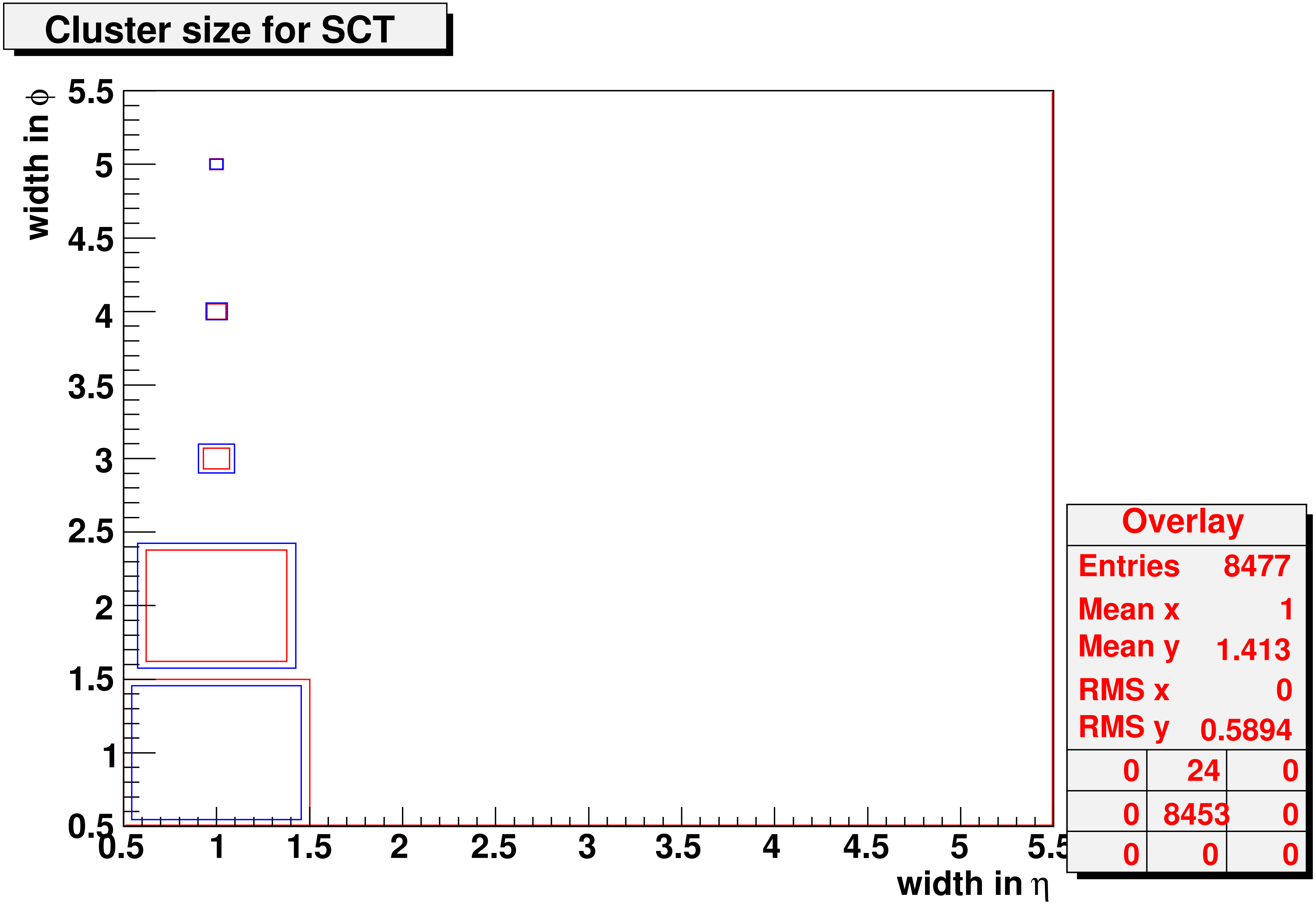

Cluster width in η for pixels
1600
1400
1200
1000
800
600
400
200
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
G4HitMerge
Entries 3222
Mean 1.807
RMS 0.8741
Underflow 0
Overflow 3
Overlay
Entries 3225
Mean 1.768
RMS 0.8575
Underflow 0
Overflow 3



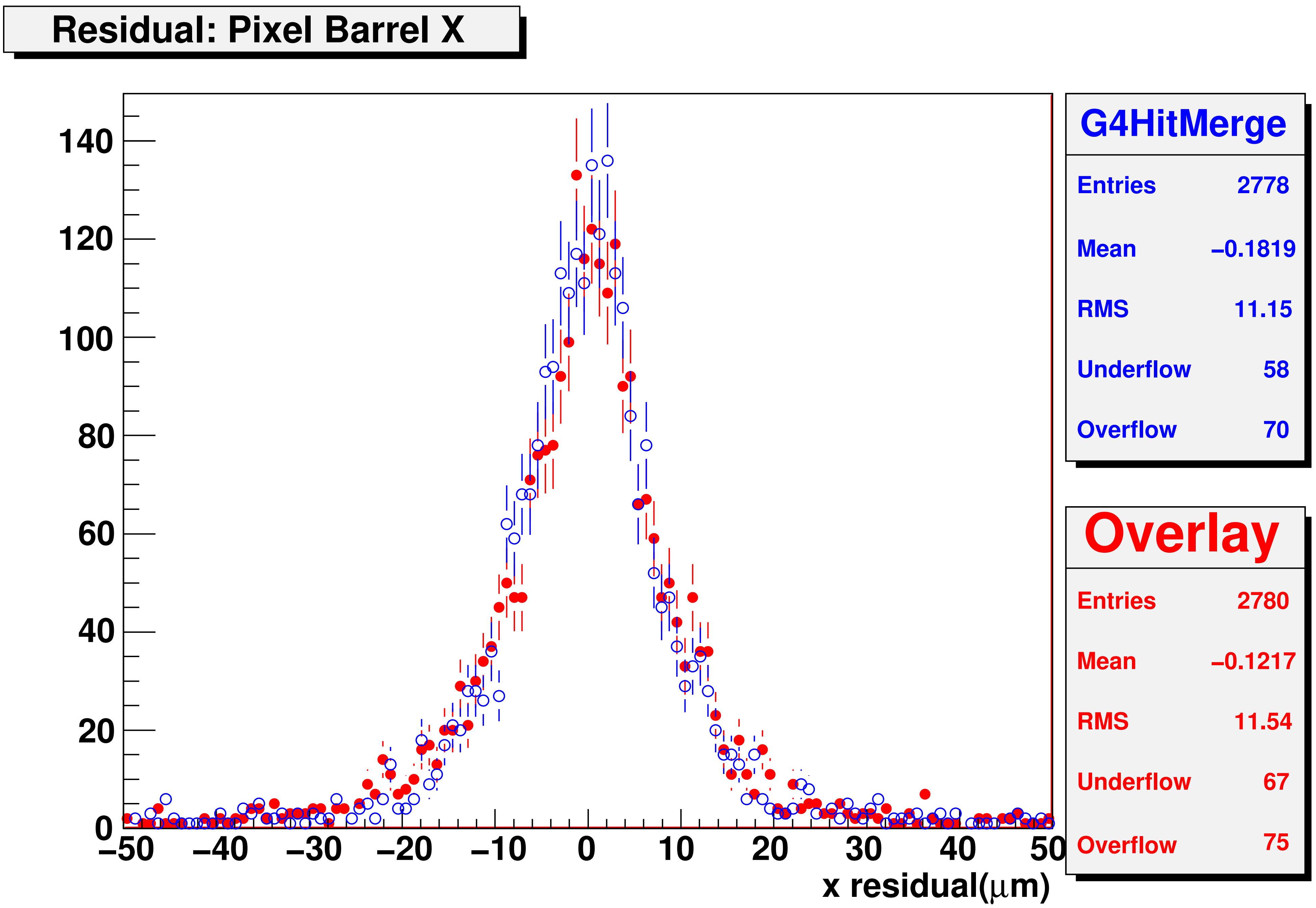
Cluster width in ϕ for SCT
G4HitMerge
Entries 8482
Mean 1.534
RMS 0.616
Underflow 0
Overflow 25
Overlay
Entries 8477
Mean 1.413
RMS 0.5894
Underflow 0
Overflow 24
5000
4000
3000
2000
1000
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5

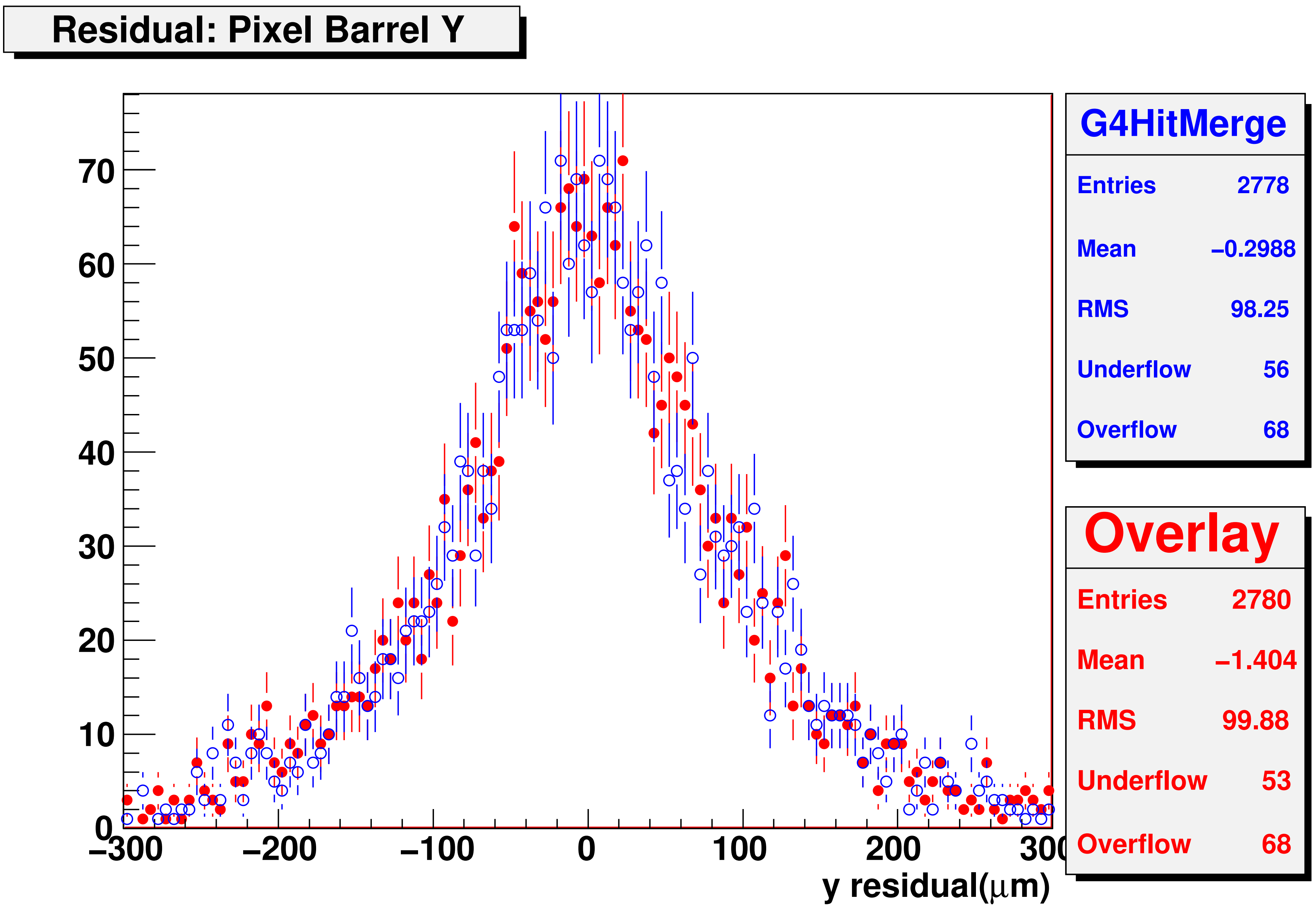


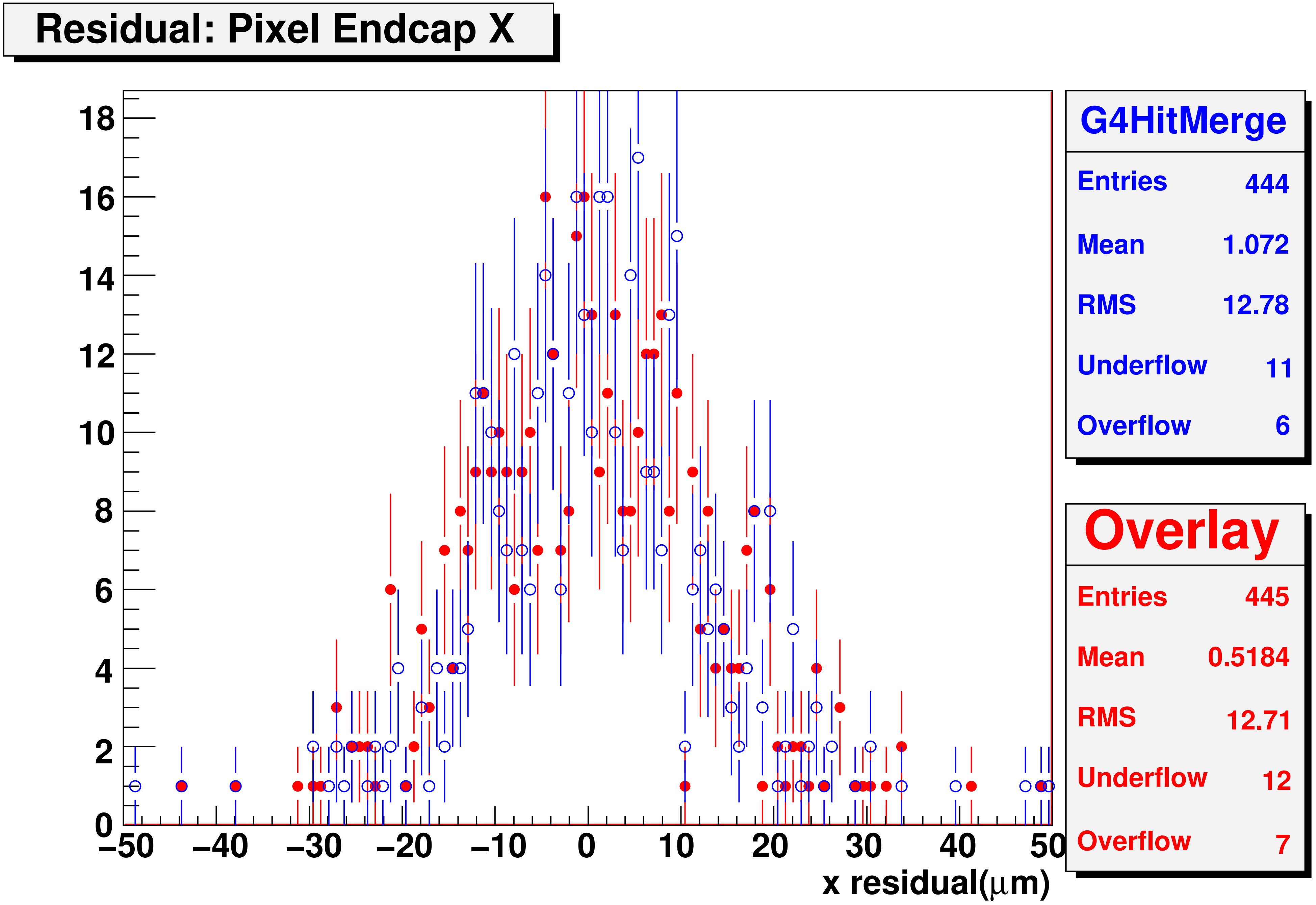
Cluster size for pixels
width in ϕ
width in η
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
Overlay
Entries 3225
Mean x 1.752
Mean y 1.685
RMS x 0.843
RMS y 0.714
0 67 2
0 3155 1
0 0 0

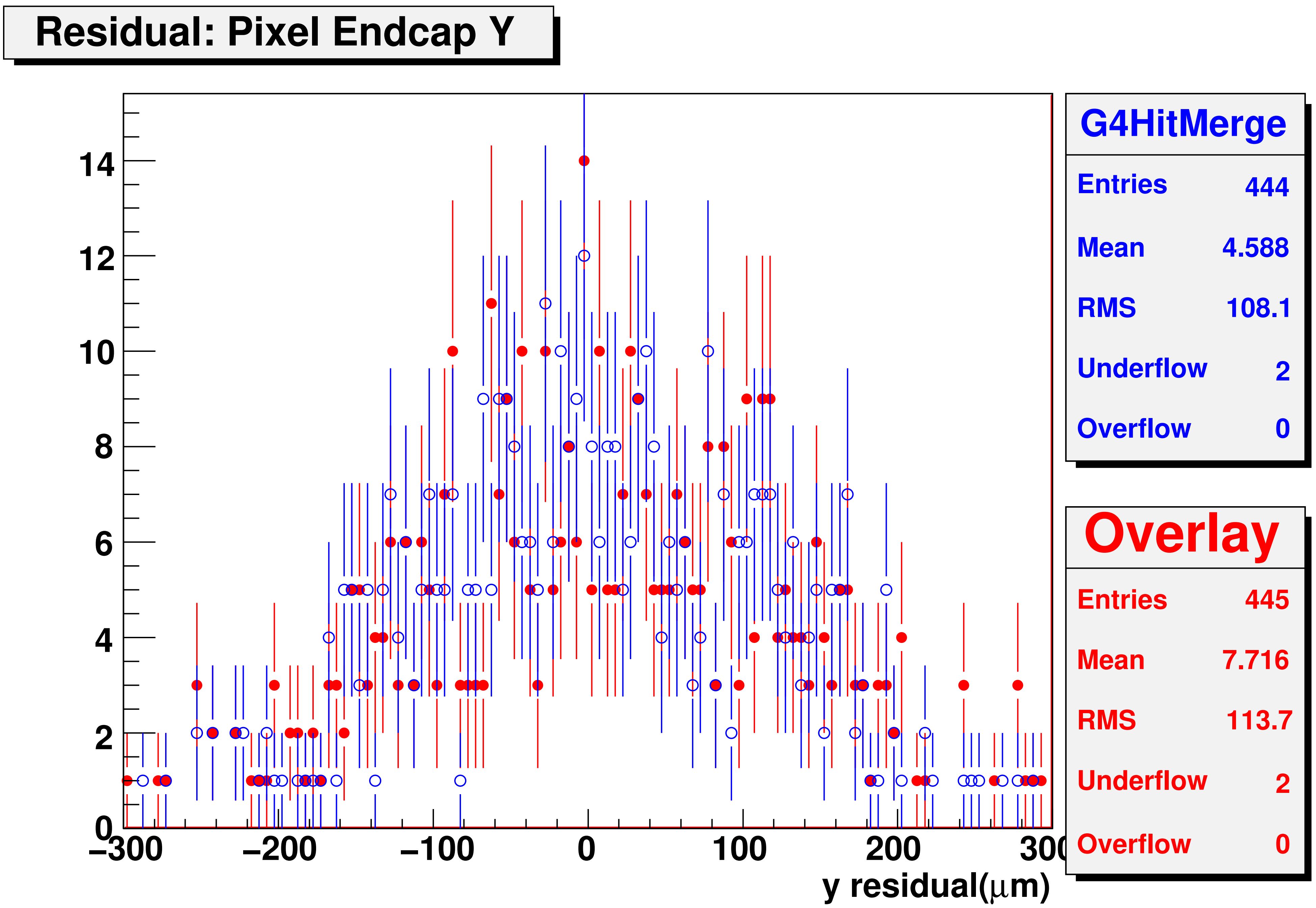


Cluster size for SCT
width in ϕ
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
width in η
Overlay
Entries 8477
Mean x 1
Mean y 1.413
RMS x 0
RMS y 0.5894
0 24 0
0 8453 0
0 0 0

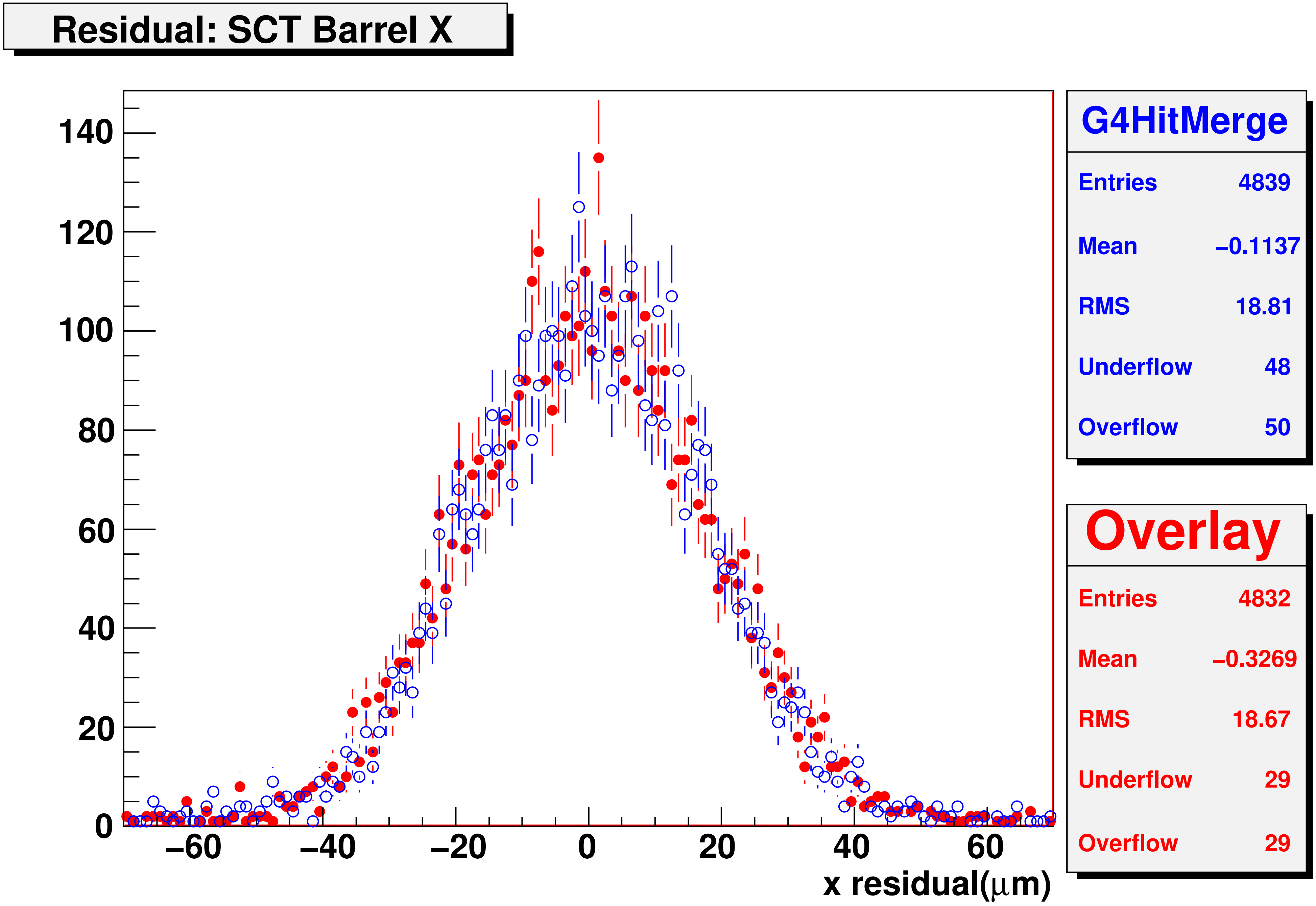

Residual: Pixel Barrel X
G4HitMerge
Entries 2778
Mean −0.1819
RMS 11.15
Underflow 58
Overflow 70
Overlay
Entries 2780
Mean −0.1217
RMS 11.54
Underflow 67
Overflow 75
x residual(μm)
0
20
40
60
80
100
120
140
−50
−40
−30
−20
−10
0
10
20
30
40
50


Residual: Pixel Barrel Y
G4HitMerge
Entries 2778
Mean −0.2988
RMS 98.25
Underflow 56
Overflow 68
Overlay
Entries 2780
Mean −1.404
RMS 99.88
Underflow 53
Overflow 68
0
10
20
30
40
50
60
70
−300
−200
−100
0
100
200
300
y residual(μm)

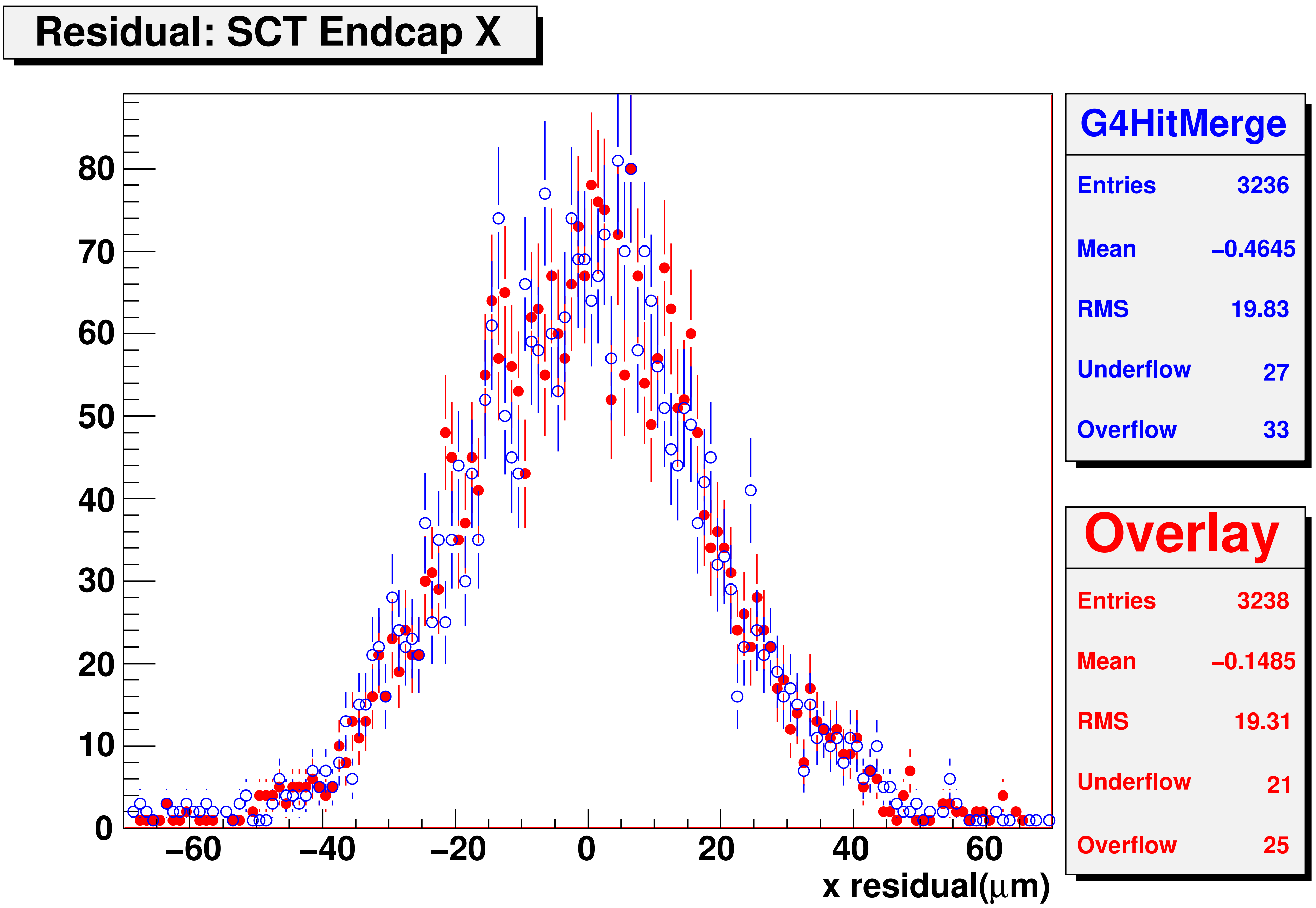

Residual: Pixel Endcap X
x residual(μm)
G4HitMerge
Entries 444
Mean 1.072
RMS 12.78
Underflow 11
Overflow 6
Overlay
Entries 445
Mean 0.5184
RMS 12.71
Underflow 12
Overflow 7

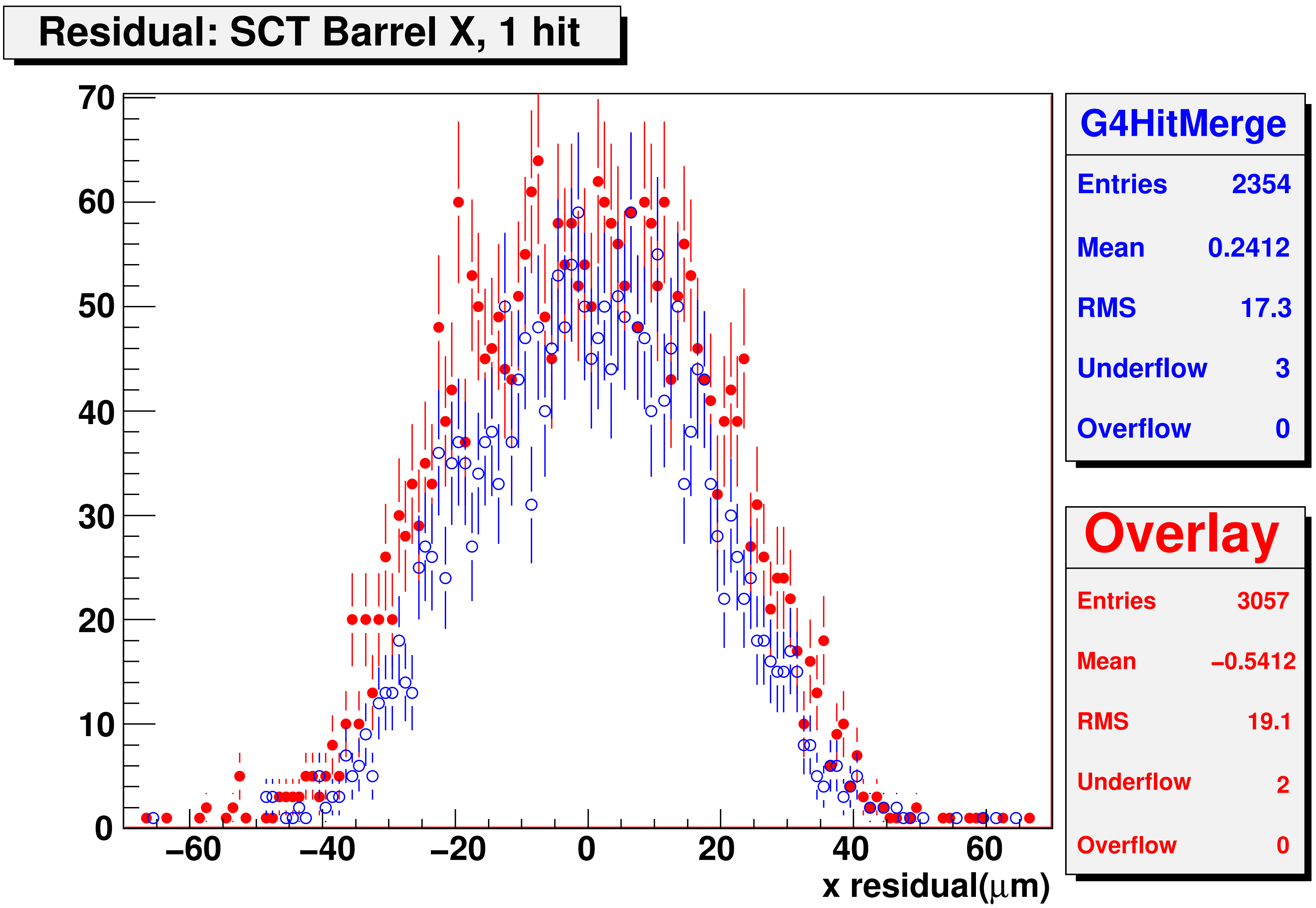


Residual: Pixel Endcap Y
G4HitMerge
Entries 444
Mean 4.588
RMS 108.1
Underflow 2
Overflow 0
Overlay
Entries 445
Mean 7.716
RMS 113.7
Underflow 2
Overflow 0
y residual(μm)
0
2
4
6
8
10
12
14
−300
−200
−100
0
100
200
300

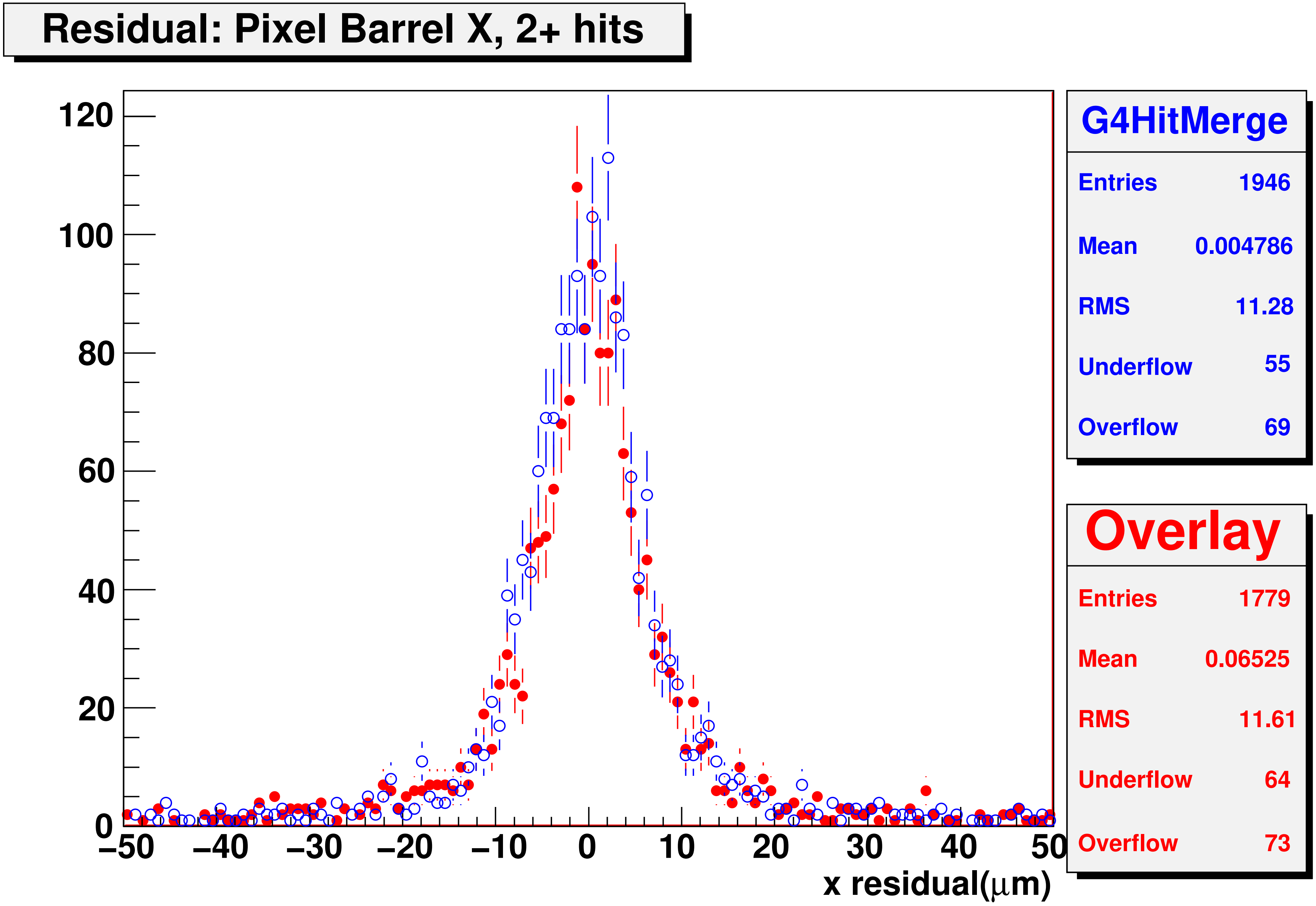


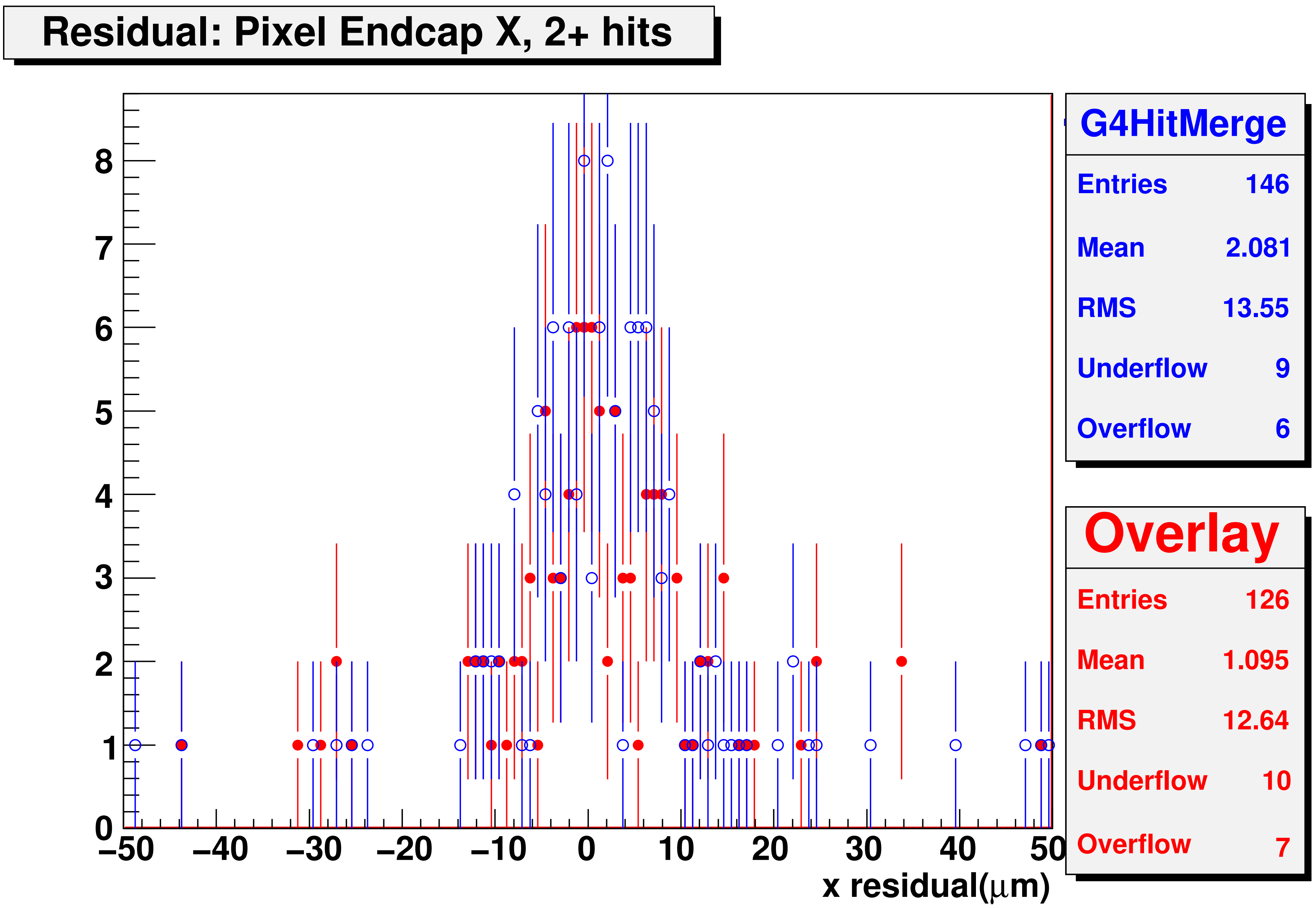
Residual: SCT Barrel X
G4HitMerge
Entries 4839
Mean −0.1137
RMS 18.81
Underflow 48
Overflow 50
Overlay
Entries 4832
Mean −0.3269
RMS 18.67
Underflow 29
Overflow 29
x residual(μm)


Residual: SCT Endcap X
G4HitMerge
Entries 3236
Mean −0.4645
RMS 19.83
Underflow 27
Overflow 33
Overlay
Entries 3238
Mean −0.1485
RMS 19.31
Underflow 21
Overflow 25
0
10
20
30
40
50
60
70
80
−60
−40
−20
0
20
40
60
x residual(μm)

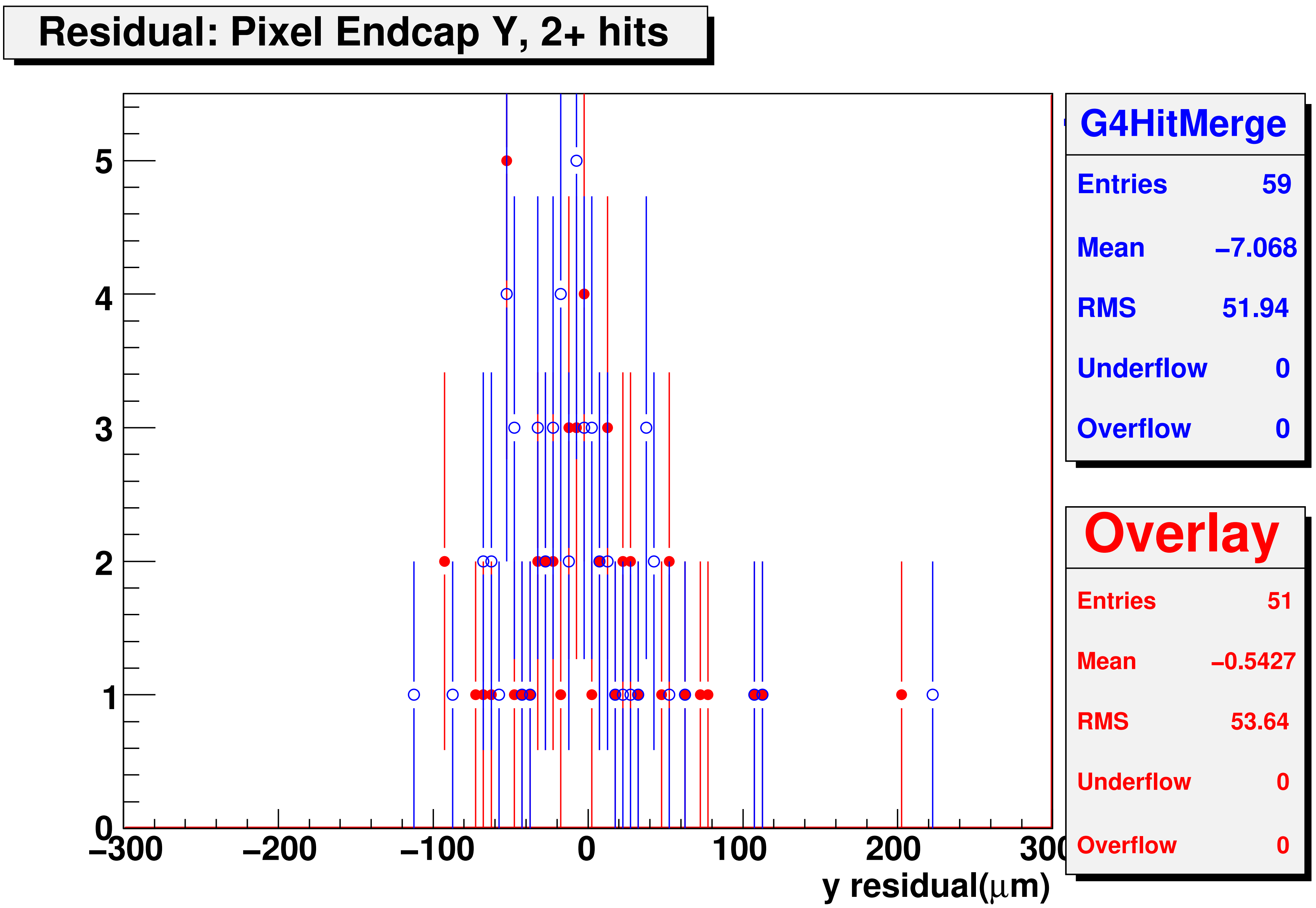


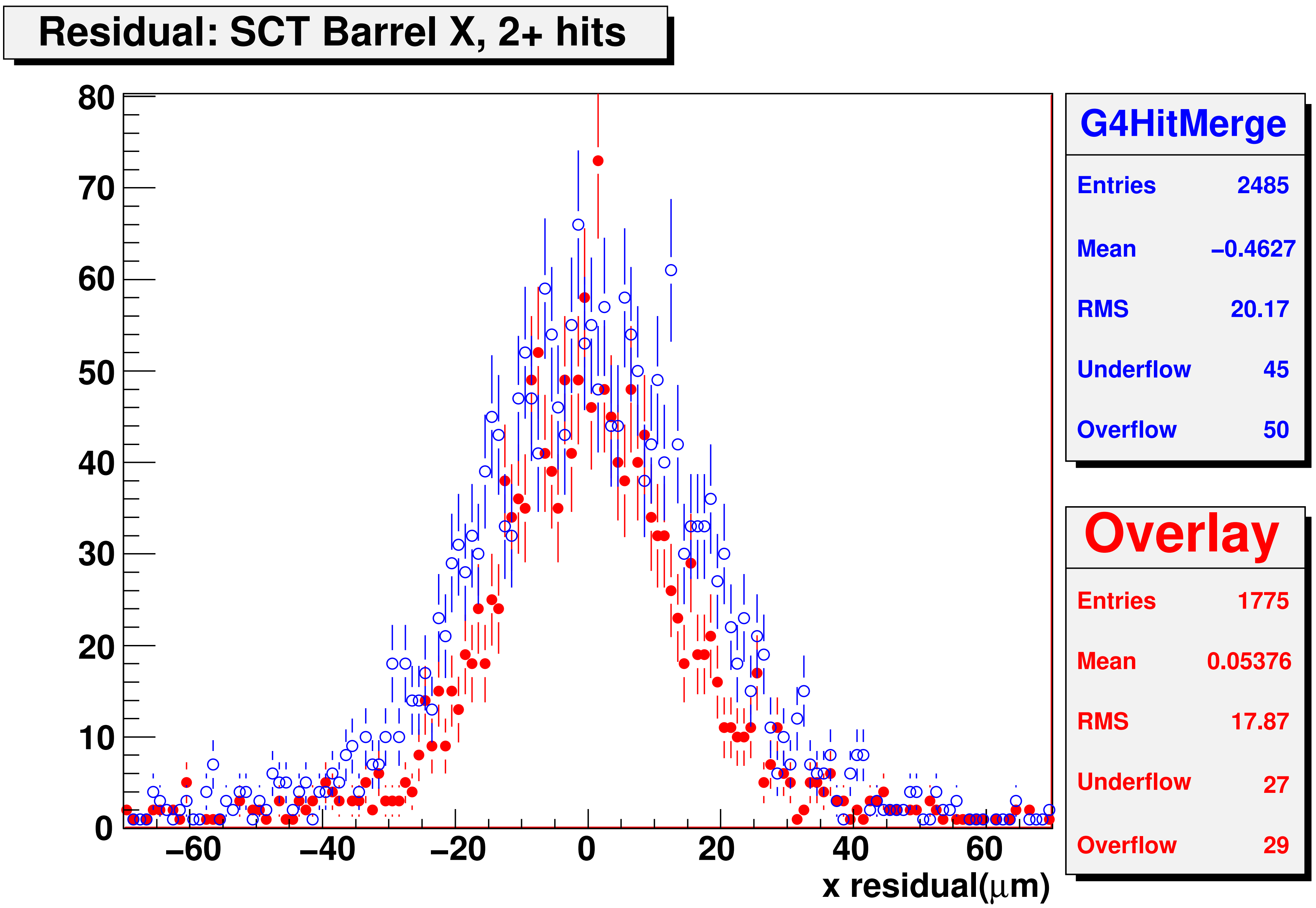
Residual: SCT Barrel X, 1 hit
G4HitMerge
Entries 2354
Mean 0.2412
RMS 17.3
Underflow 3
Overflow 0
Overlay
Entries 3057
Mean −0.5412
RMS 19.1
Underflow 2
Overflow 0
x residual(μm)


Residual: Pixel Barrel X, 2+ hits
G4HitMerge
Entries 1946
Mean 0.004786
RMS 11.28
Underflow 55
Overflow 69
Overlay
Entries 1779
Mean 0.06525
RMS 11.61
Underflow 64
Overflow 73
0
20
40
60
80
100
120
−50
−40
−30
−20
−10
0
10
20
30
40
50
x residual(μm)

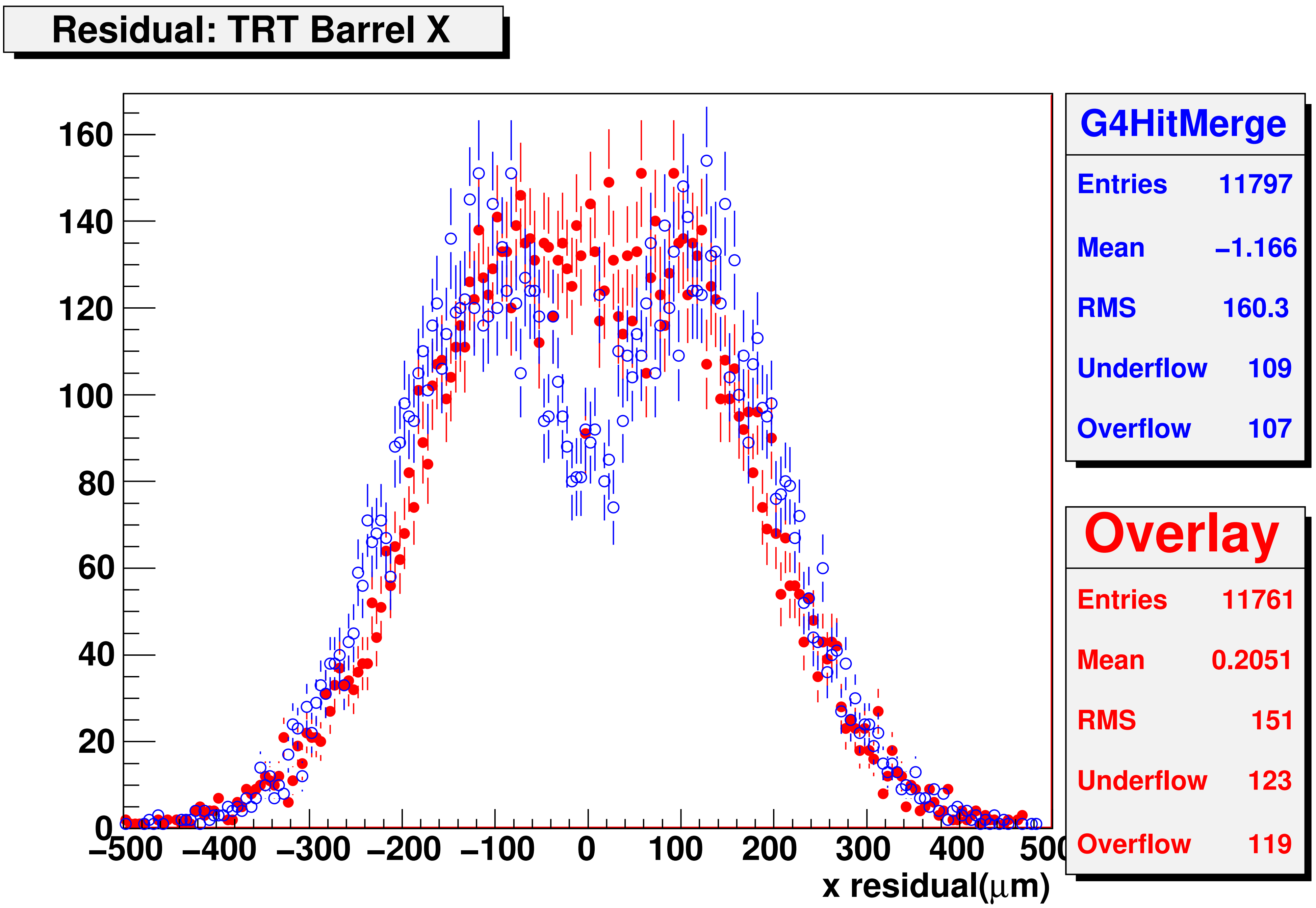


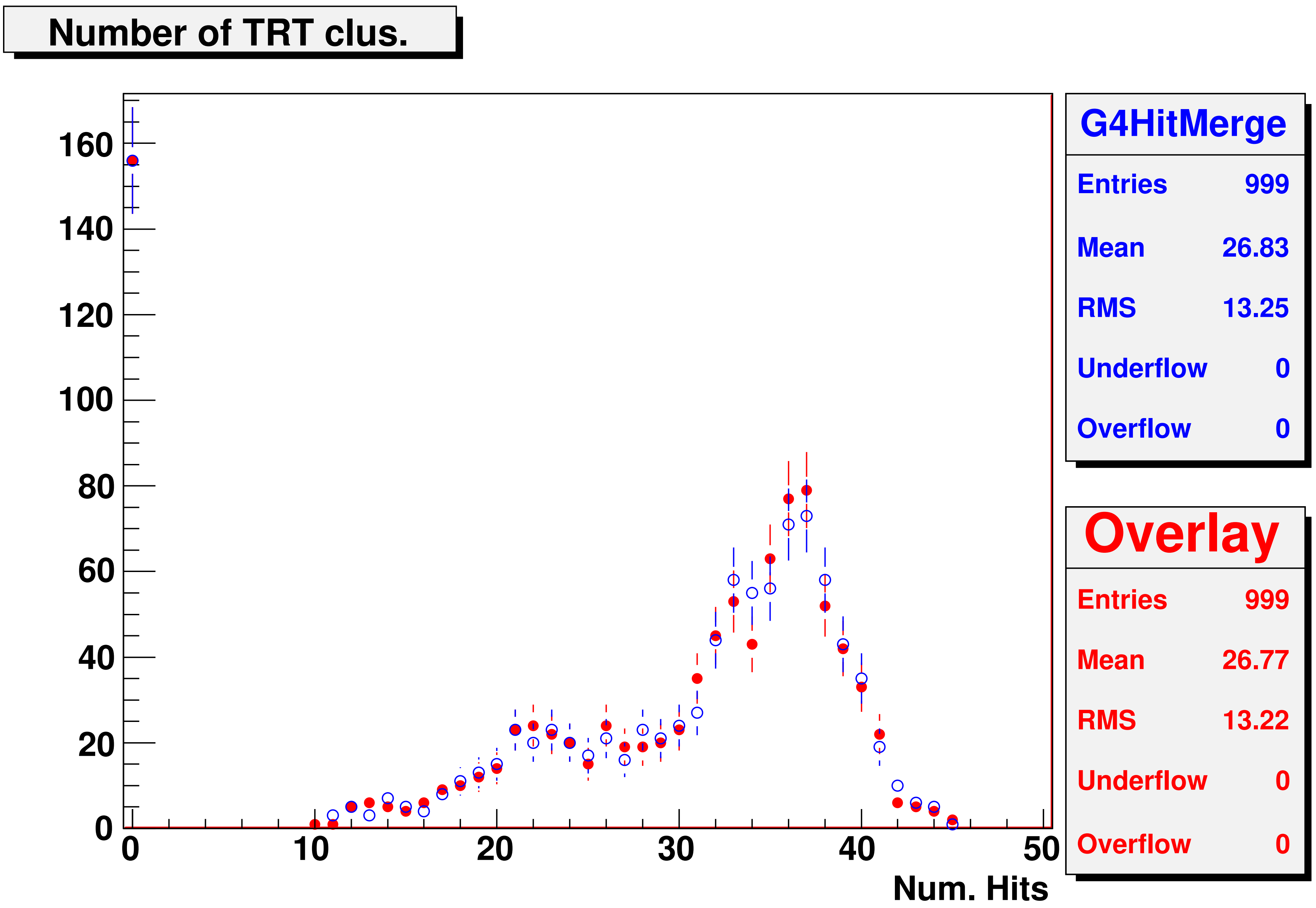
Residual: Pixel Endcap X, 2+ hits
G4HitMerge
Entries 146
Mean 2.081
RMS 13.55
Underflow 9
Overflow 6
Overlay
Entries 126
Mean 1.095
RMS 12.64
Underflow 10
Overflow 7
x residual(μm)


Residual: Pixel Endcap Y, 2+ hits
G4HitMerge
Entries 59
Mean −7.068
RMS 51.94
Underflow 0
Overflow 0
Overlay
Entries 51
Mean −0.5427
RMS 53.64
Underflow 0
Overflow 0
0
1
2
3
4
5
−300
−200
−100
0
100
200
300
y residual(μm)

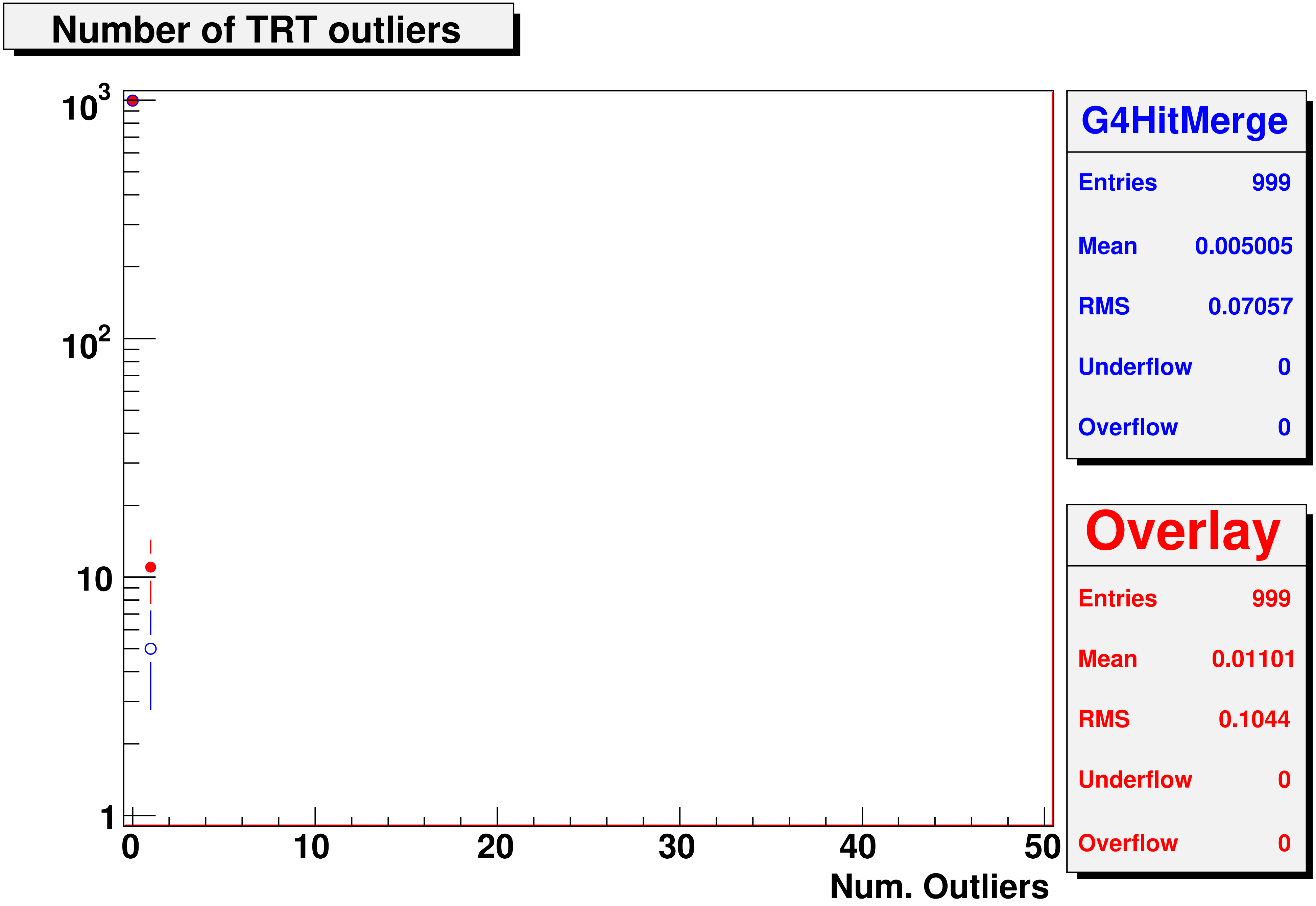


Residual: SCT Barrel X, 2+ hits
80
70
60
50
40
30
20
10
0
−60
−40
−20
0
20
40
60
x residual(μm)
G4HitMerge
Entries 2485
Mean −0.4627
RMS 20.17
Underflow 45
Overflow 50
Overlay
Entries 1775
Mean 0.05376
RMS 17.87
Underflow 27
Overflow 29

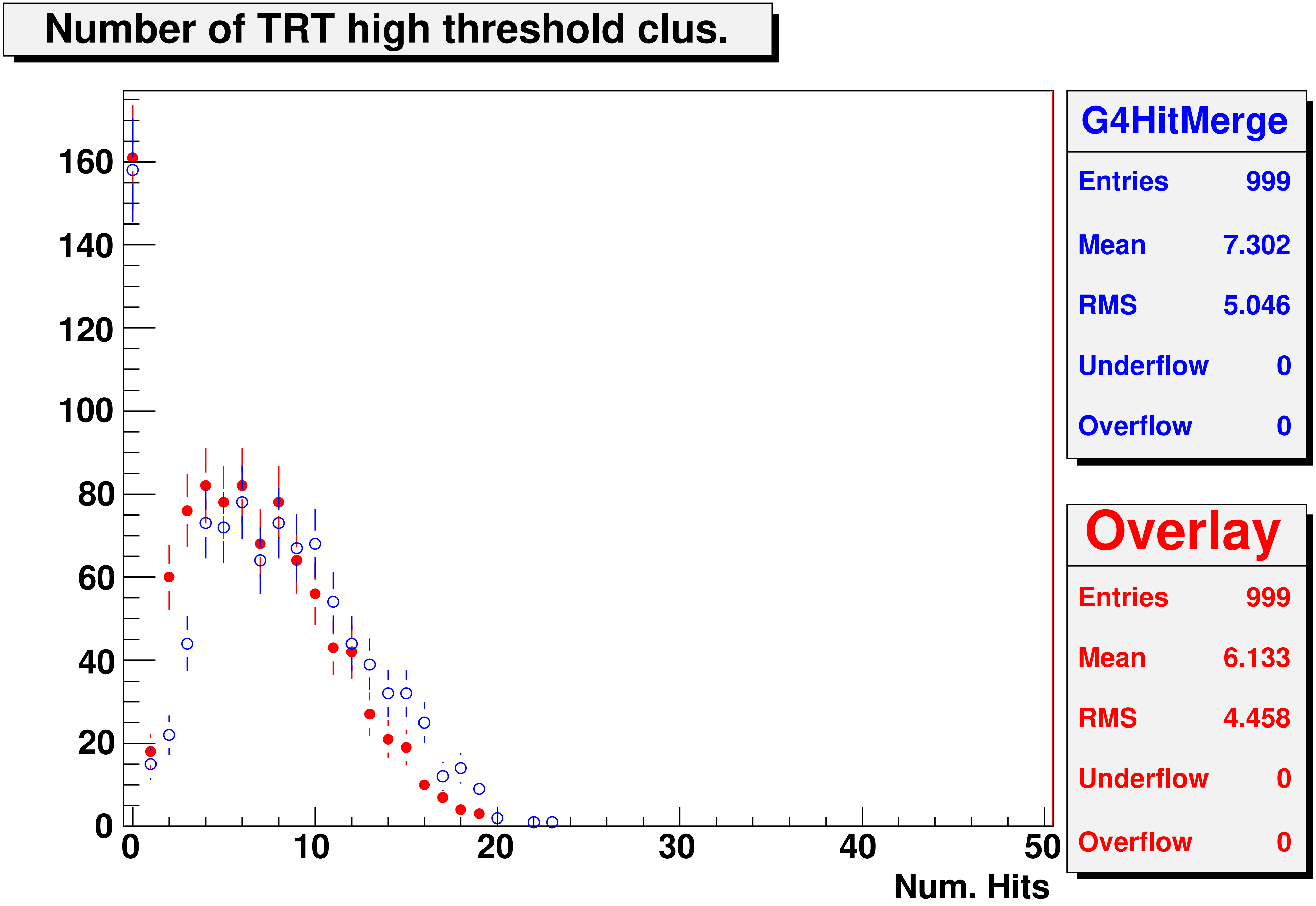

Residual: TRT Barrel X
160
140
120
100
80
60
40
20
0
−500 −400 −300 −200 −100 0 100 200 300 400 500
x residual(μm)
G4HitMerge
Entries 11797
Mean −1.166
RMS 160.3
Underflow 109
Overflow 107
Overlay
Entries 11761
Mean 0.2051
RMS 151
Underflow 123
Overflow 119



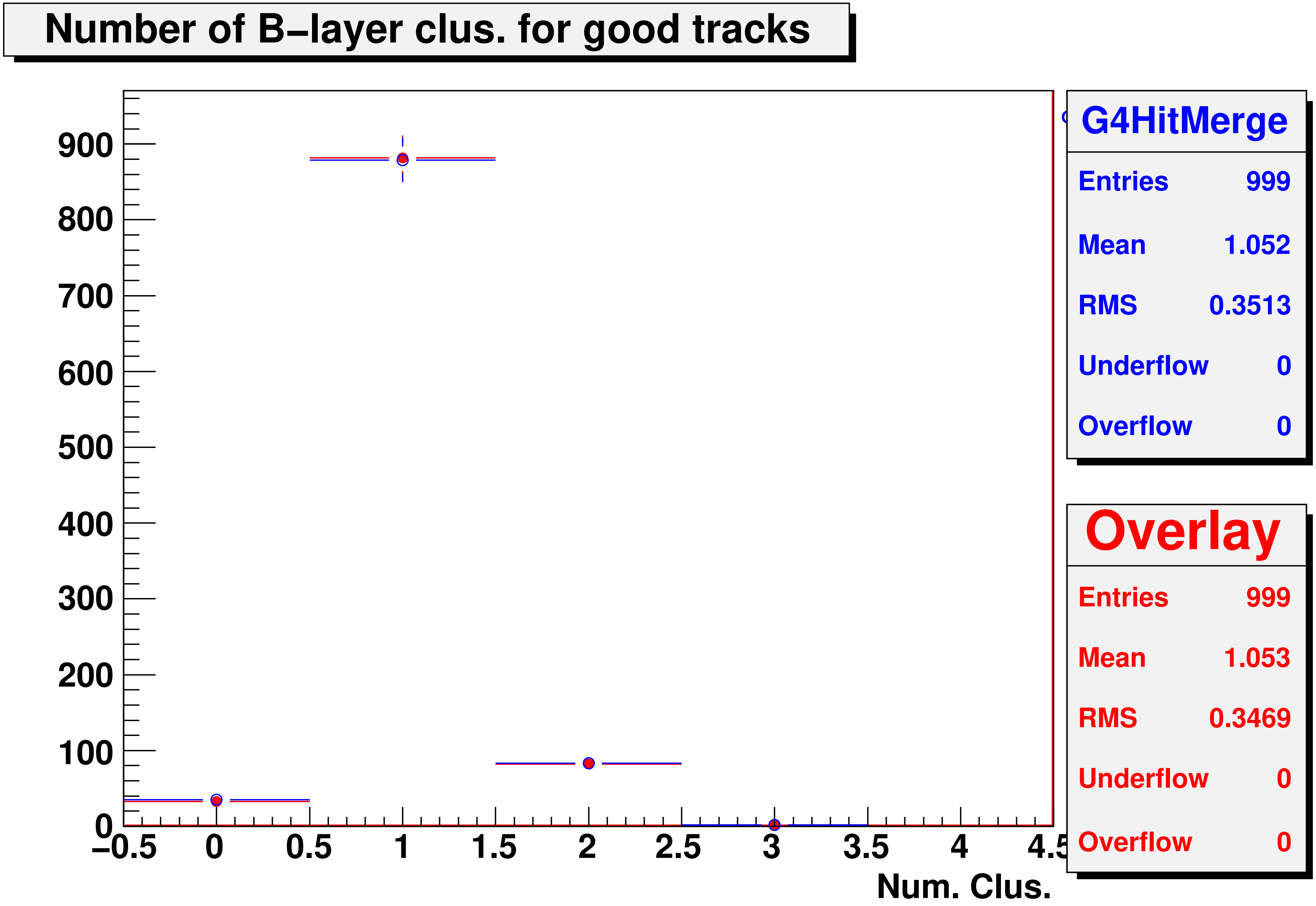
Number of TRT clus.
G4HitMerge
Entries 999
Mean 26.83
RMS 13.25
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 26.77
RMS 13.22
Underflow 0
Overflow 0
0
20
40
60
80
100
120
140
160
0
10
20
30
40
50
Num. Hits



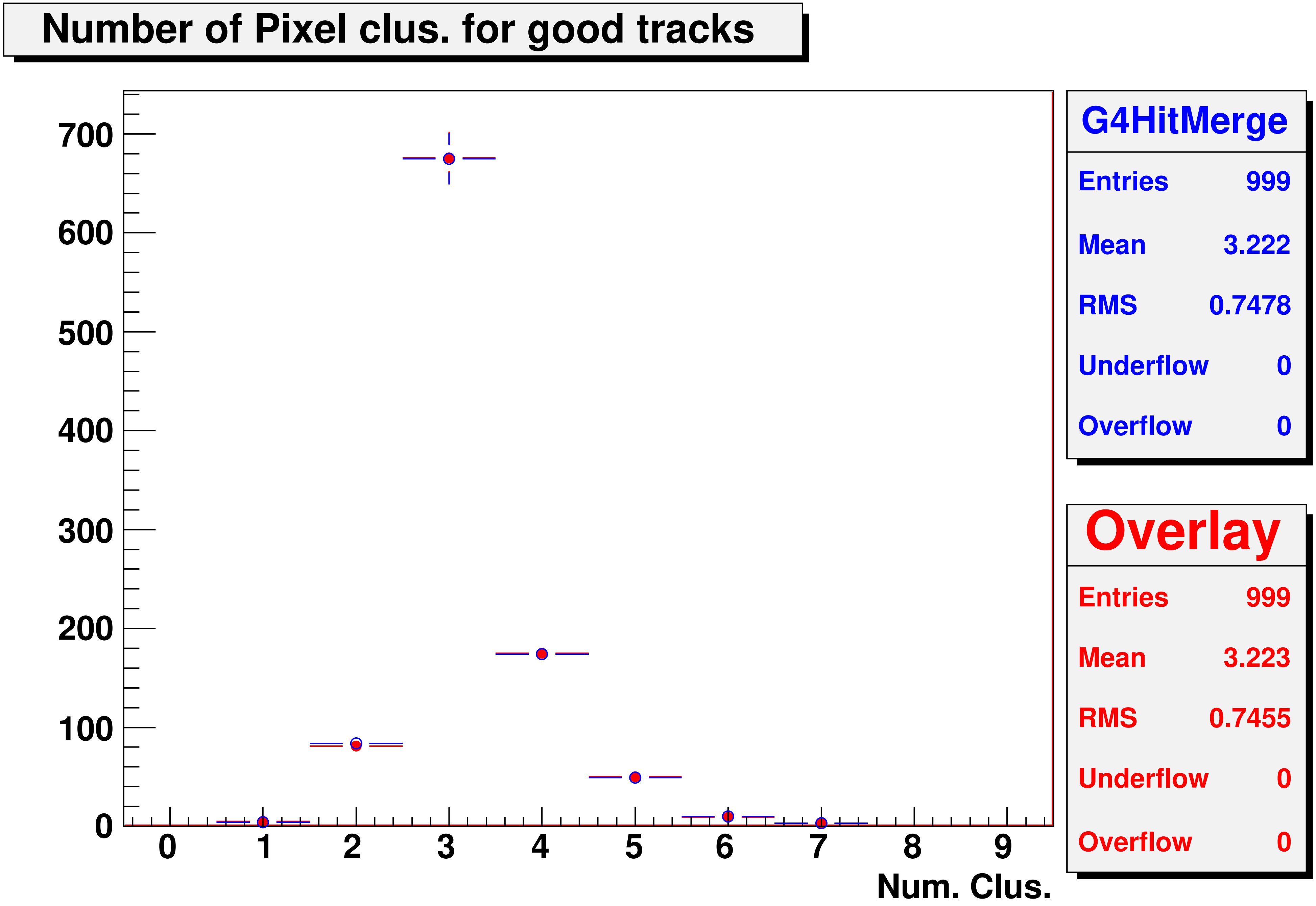
Number of TRT outliers
G4HitMerge
Entries 999
Mean 0.005005
RMS 0.07057
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 0.01101
RMS 0.1044
Underflow 0
Overflow 0
Num. Outliers



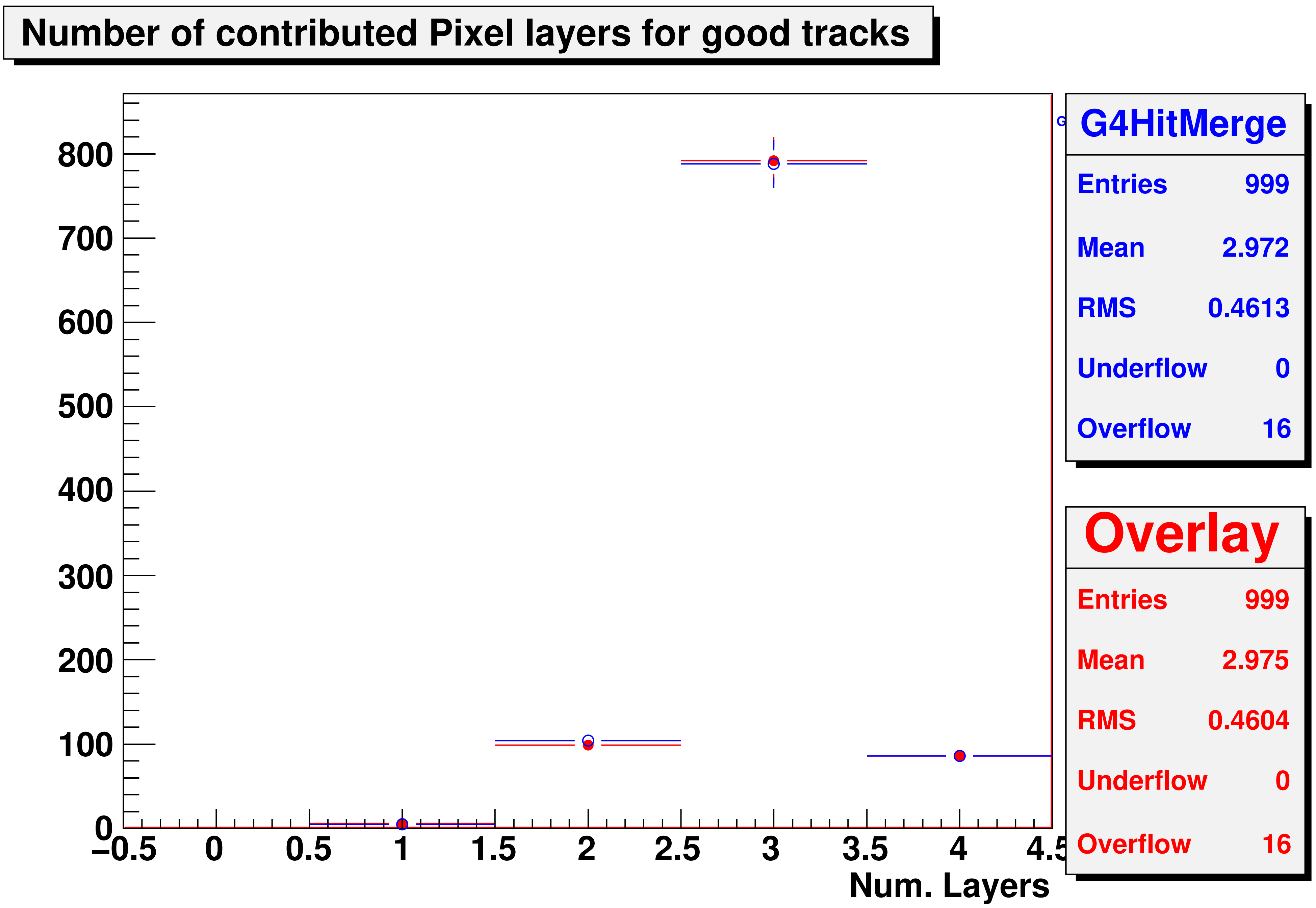
Number of TRT high threshold clus.
160
140
120
100
80
60
40
20
0
0
10
20
30
40
50
Num. Hits
G4HitMerge
Entries 999
Mean 7.302
RMS 5.046
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 6.133
RMS 4.458
Underflow 0
Overflow 0

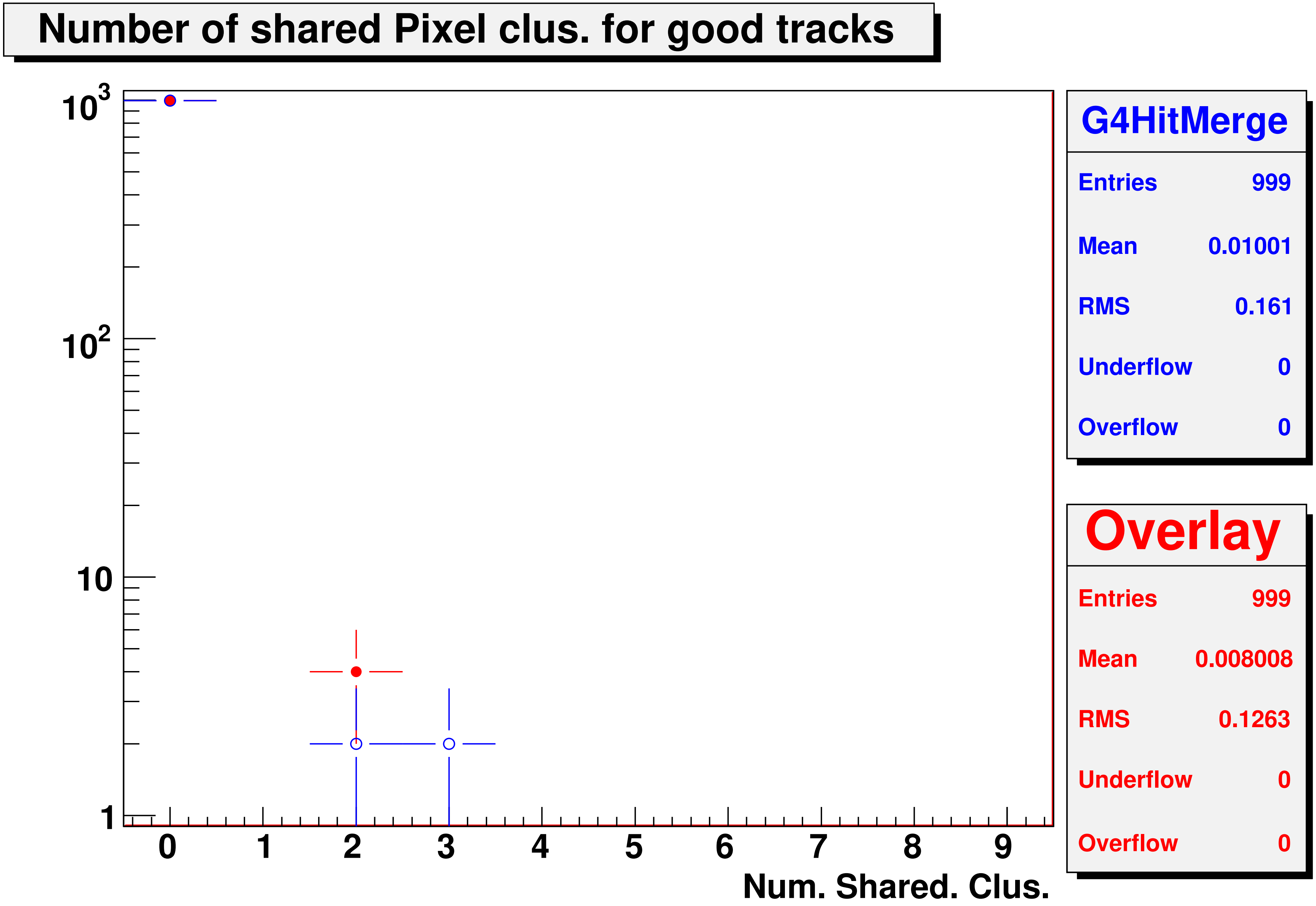


Number of B−layer clus. for good tracks
900
800
700
600
500
400
300
200
100
0
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
Num. Clus.
G4HitMerge
Entries 999
Mean 1.052
RMS 0.3513
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 1.053
RMS 0.3469
Underflow 0
Overflow 0

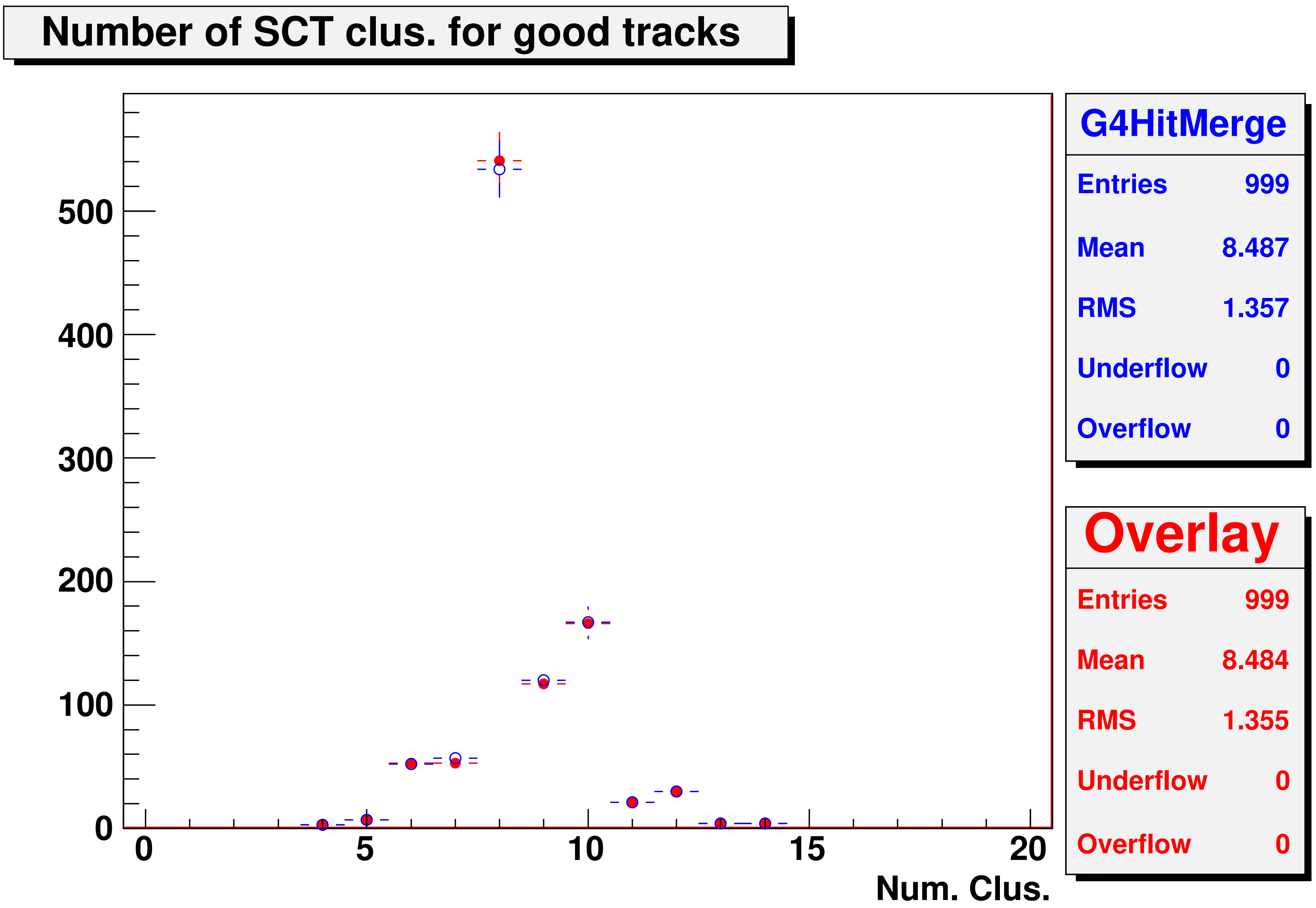


Number of Pixel clus. for good tracks
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
Num. Clus.
G4HitMerge
Entries 999
Mean 3.222
RMS 0.7478
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 3.223
RMS 0.7455
Underflow 0
Overflow 0

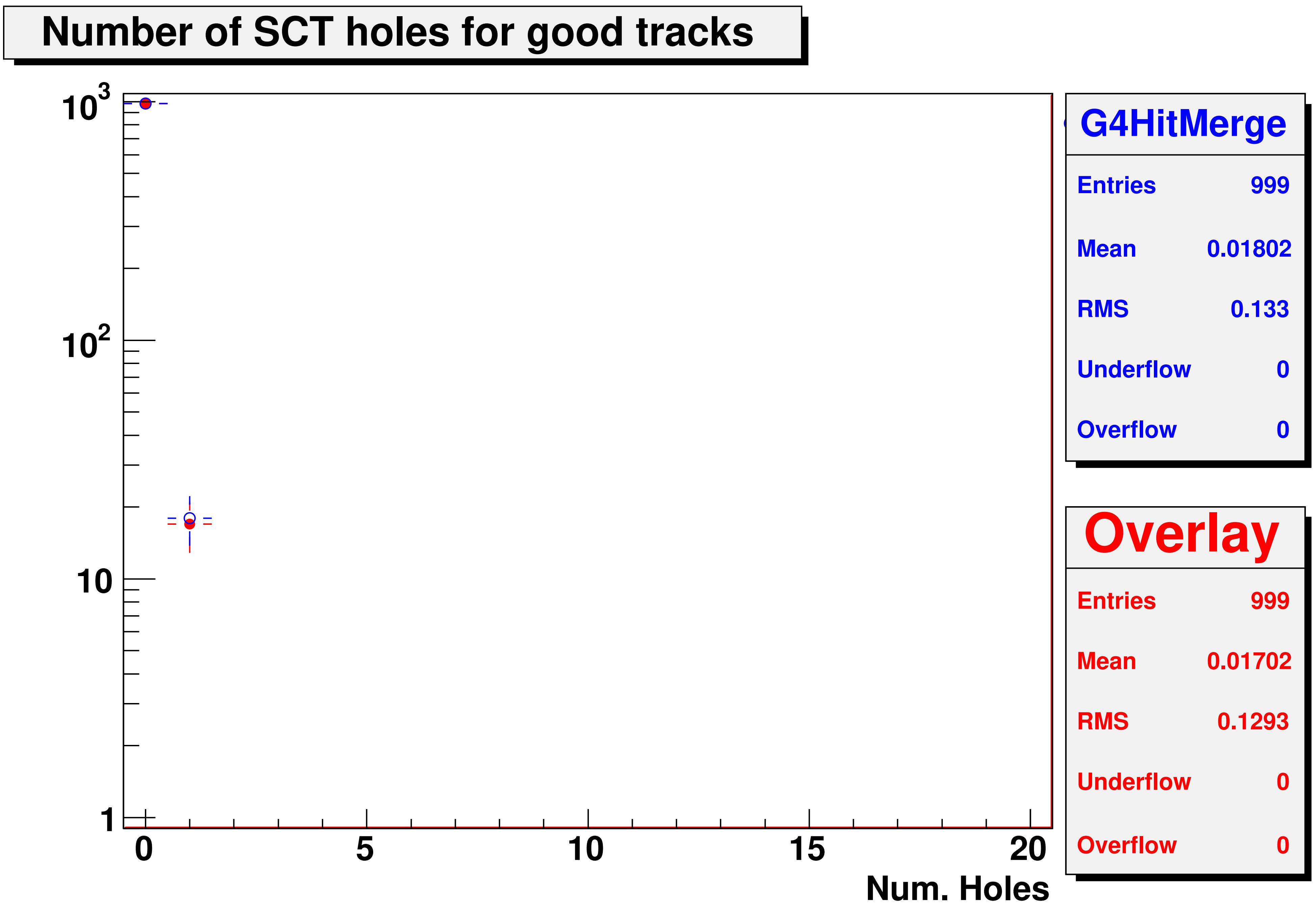

Number of contributed Pixel layers for good tracks
G4HitMerge
Entries 999
Mean 2.972
RMS 0.4613
Underflow 0
Overflow 16
Overlay
Entries 999
Mean 2.975
RMS 0.4604
Underflow 0
Overflow 16
800
700
600
500
400
300
200
100
0
−0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Num. Layers



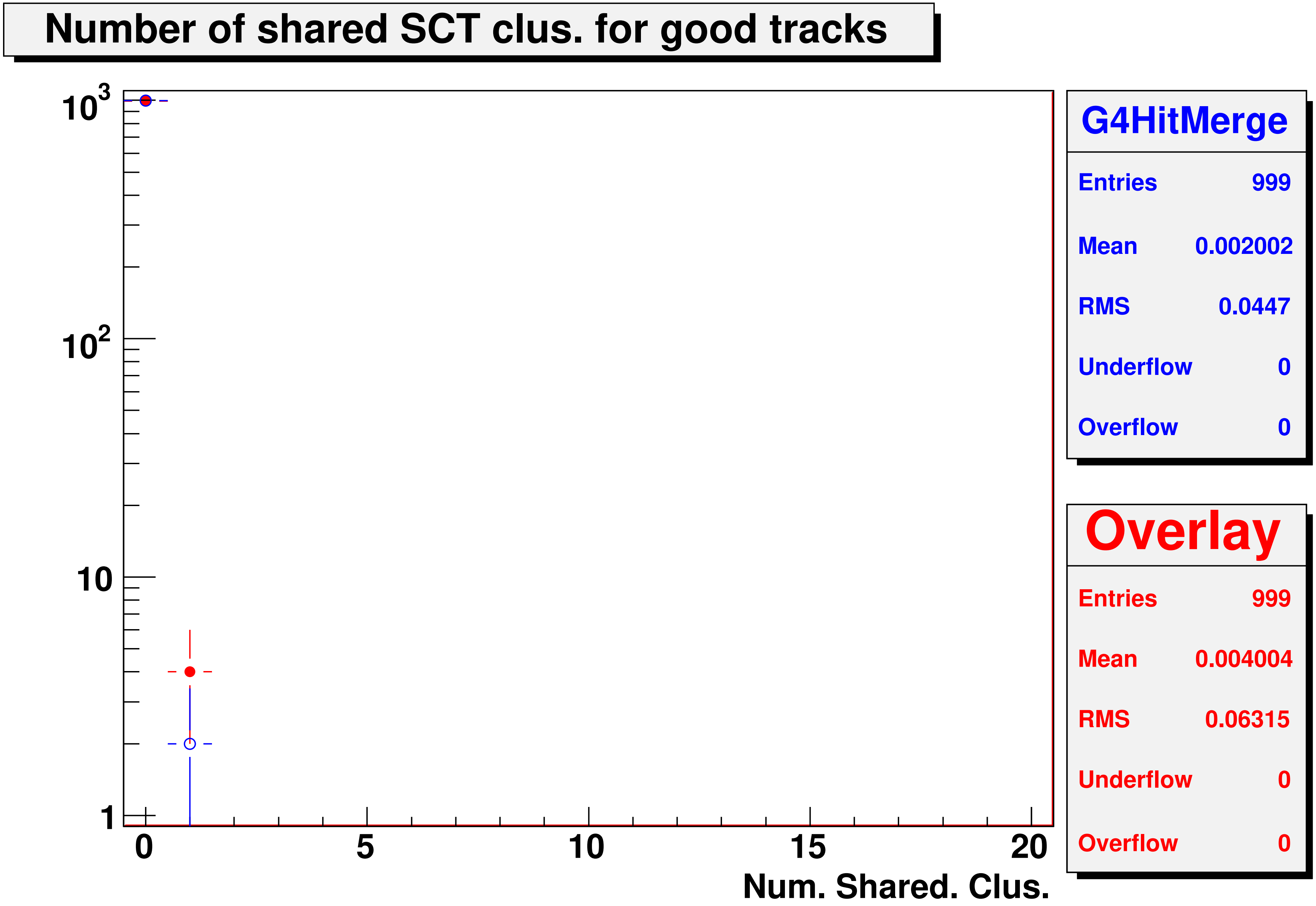
Number of shared Pixel clus. for good tracks
10^3
10^2
10
1
0
1
2
3
4
5
6
7
8
9
Num. Shared. Clus.
G4HitMerge
Entries 999
Mean 0.01001
RMS 0.161
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 0.008008
RMS 0.1263
Underflow 0
Overflow 0

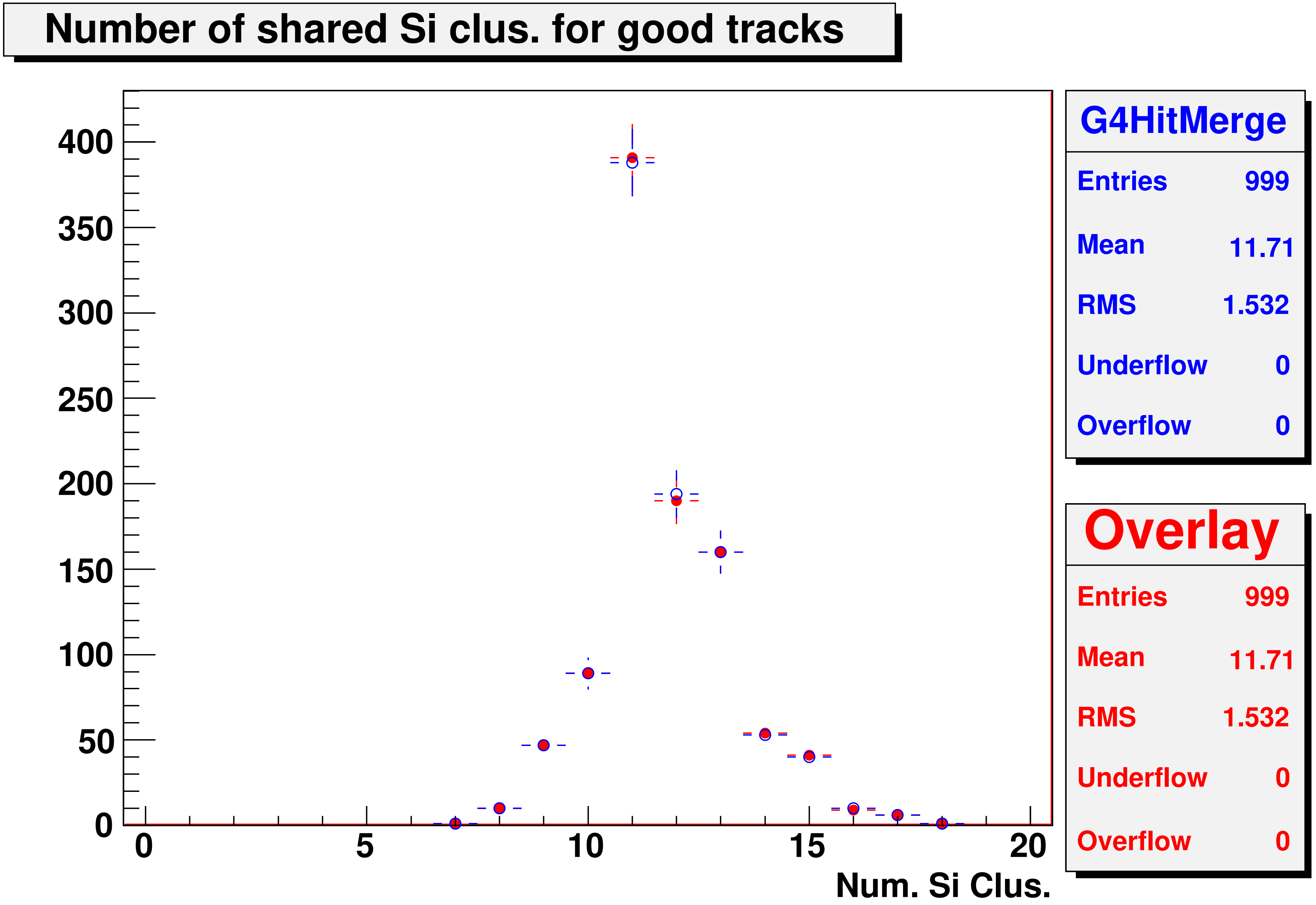


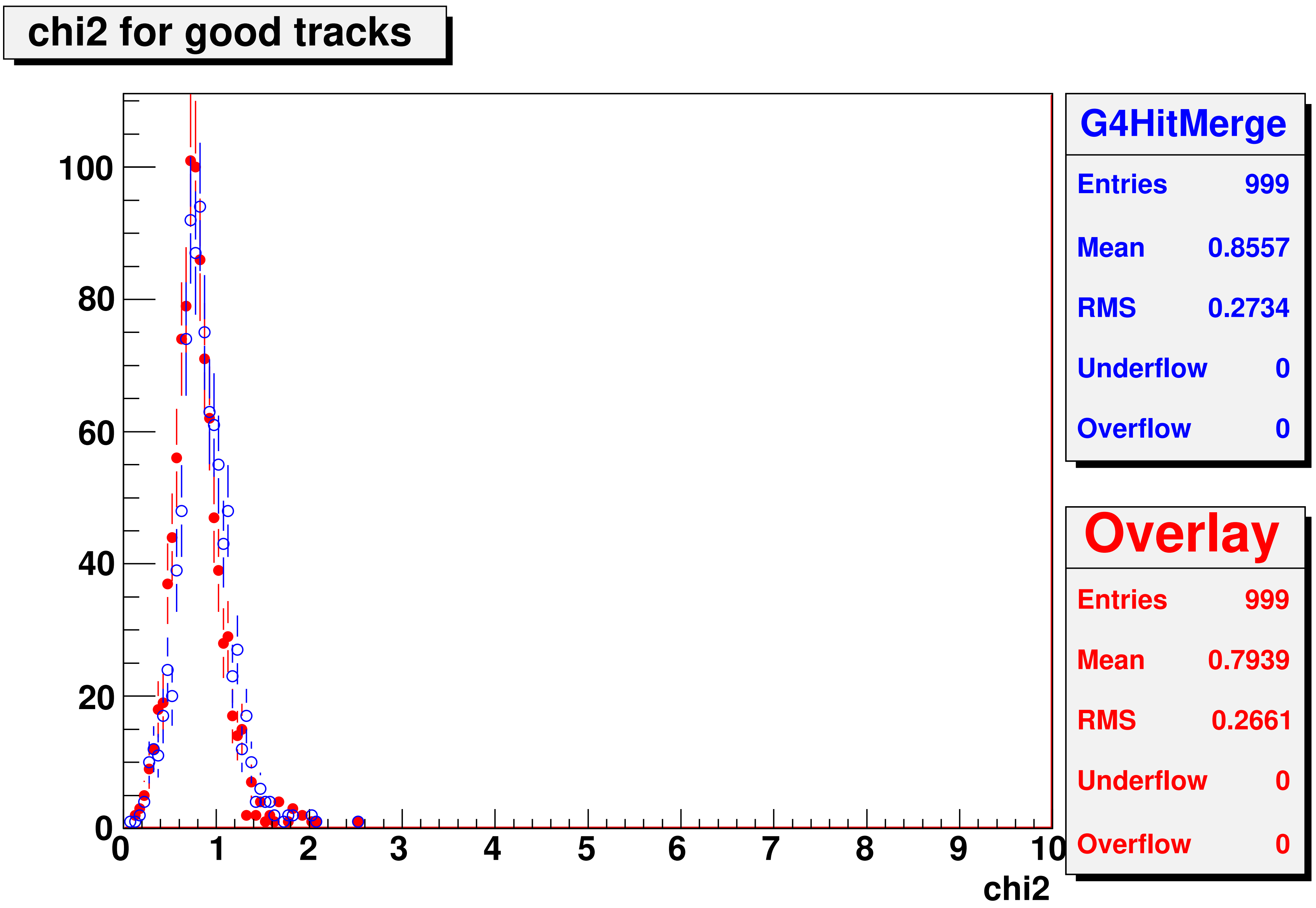
Number of SCT clus. for good tracks
G4HitMerge
Entries 999
Mean 8.487
RMS 1.357
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 8.484
RMS 1.355
Underflow 0
Overflow 0
0
100
200
300
400
500
0
5
10
15
20
Num. Clus.



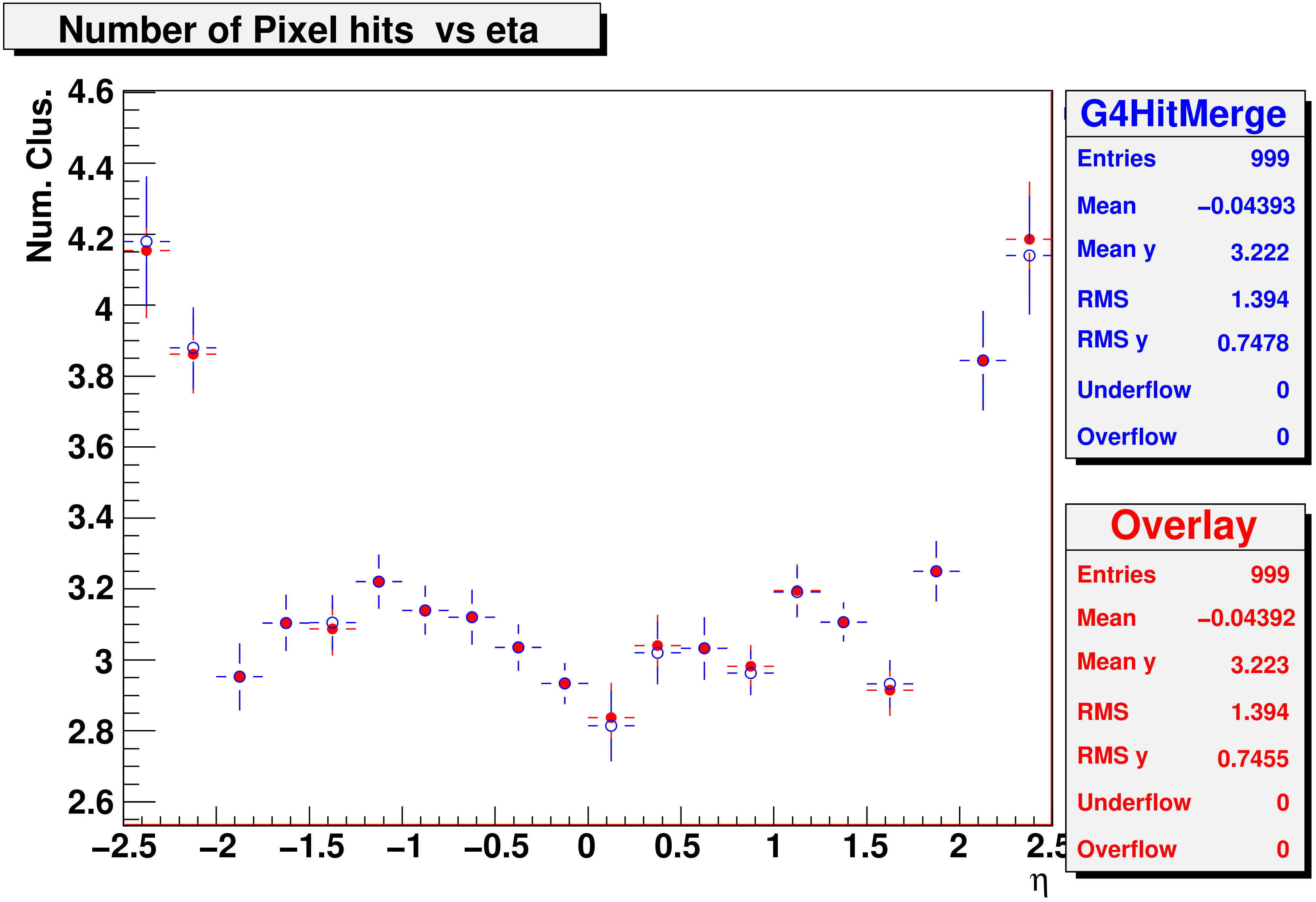
Number of SCT holes for good tracks
10^3
10^2
10
1
0
5
10
15
20
Num. Holes
G4HitMerge
Entries 999
Mean 0.01802
RMS 0.133
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 0.01702
RMS 0.1293
Underflow 0
Overflow 0

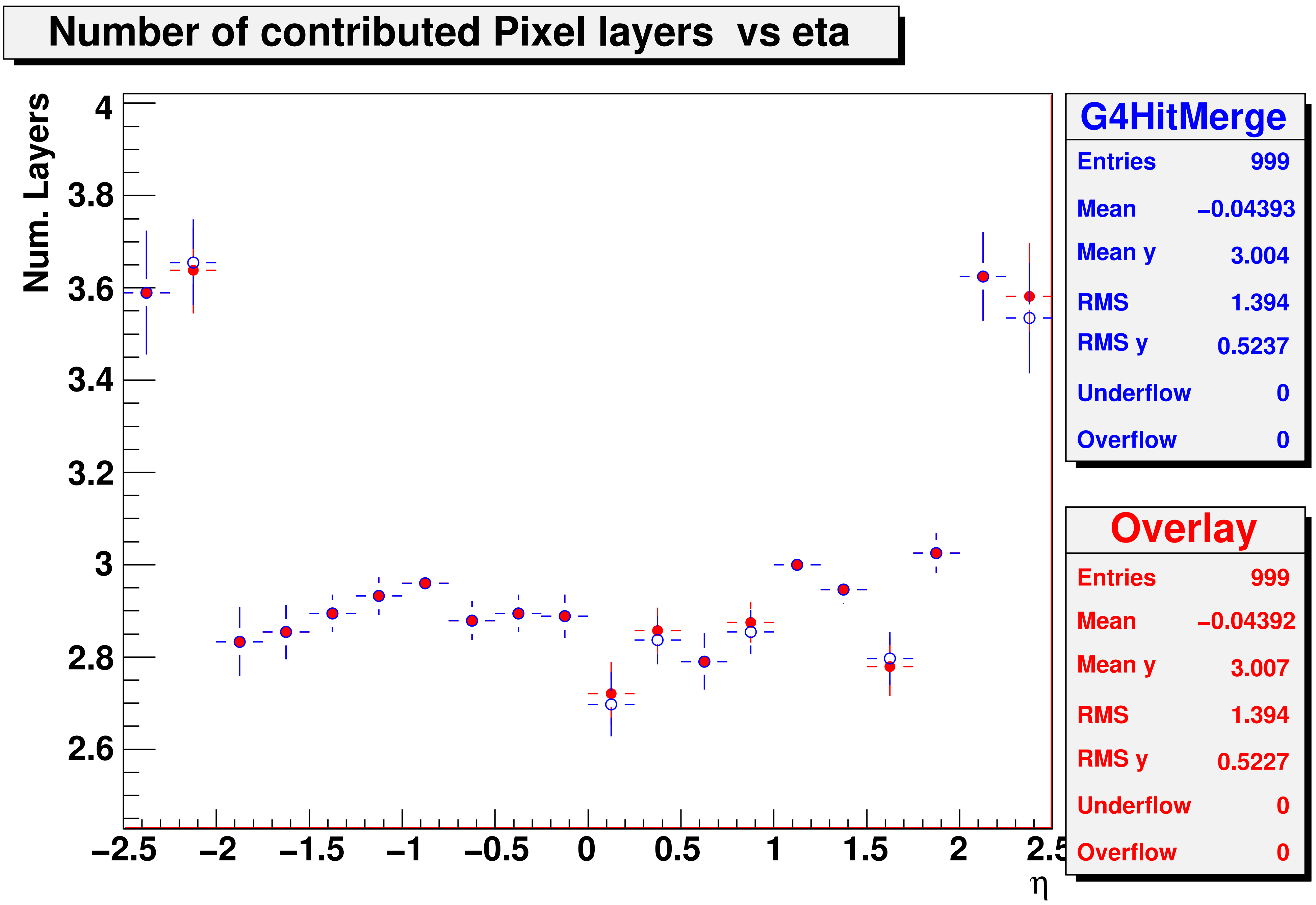

Number of shared SCT clus. for good tracks
10^3
10^2
10
1
0
5
10
15
20
Num. Shared. Clus.
G4HitMerge
Entries 999
Mean 0.002002
RMS 0.0447
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 0.004004
RMS 0.06315
Underflow 0
Overflow 0


Number of shared Si clus. for good tracks
400
350
300
250
200
150
100
50
0
0
5
10
15
20
Num. Si Clus.
G4HitMerge
Entries 999
Mean 11.71
RMS 1.532
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 11.71
RMS 1.532
Underflow 0
Overflow 0

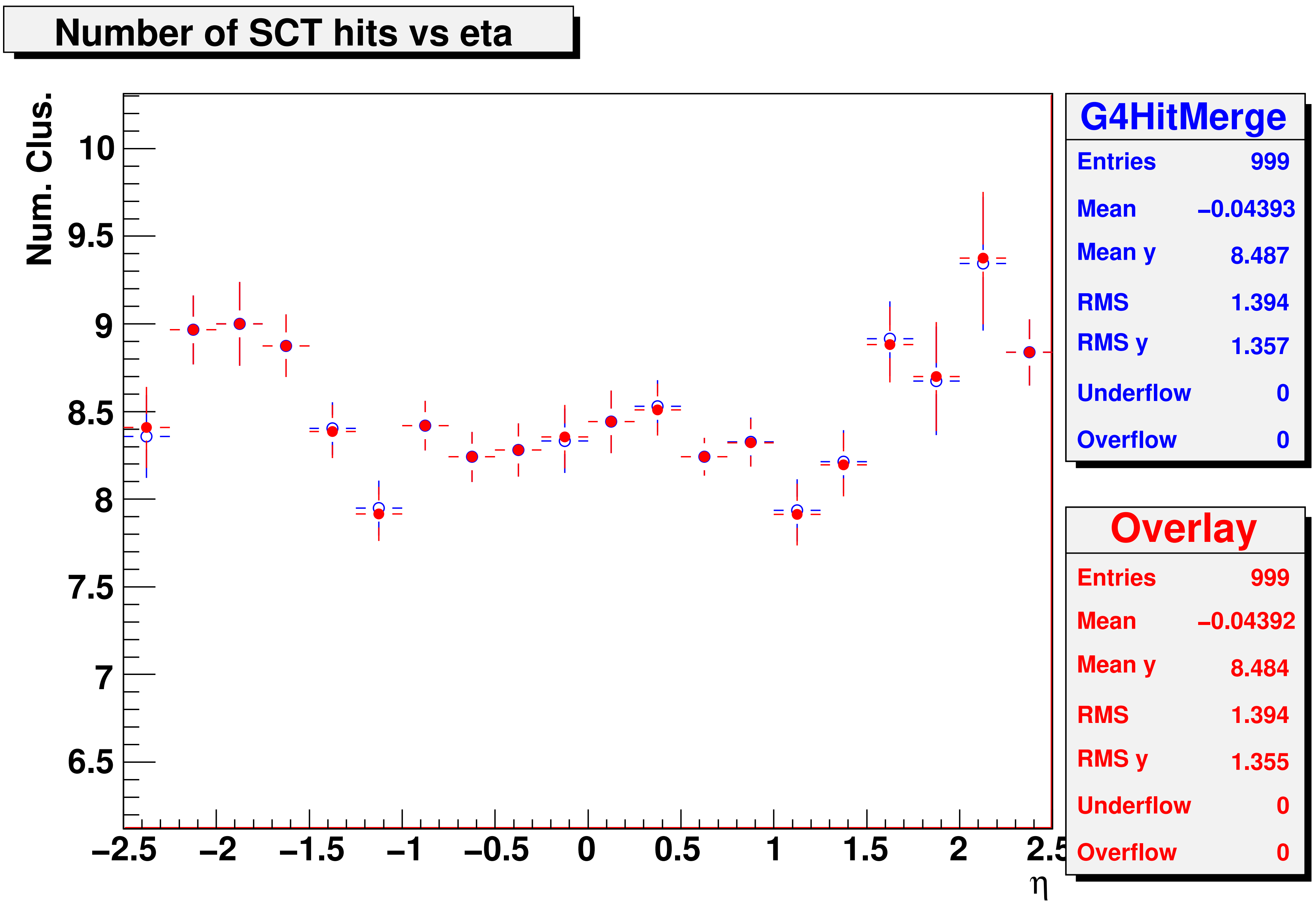


chi2 for good tracks
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
chi2
G4HitMerge
Entries 999
Mean 0.8557
RMS 0.2734
Underflow 0
Overflow 0
Overlay
Entries 999
Mean 0.7939
RMS 0.2661
Underflow 0
Overflow 0

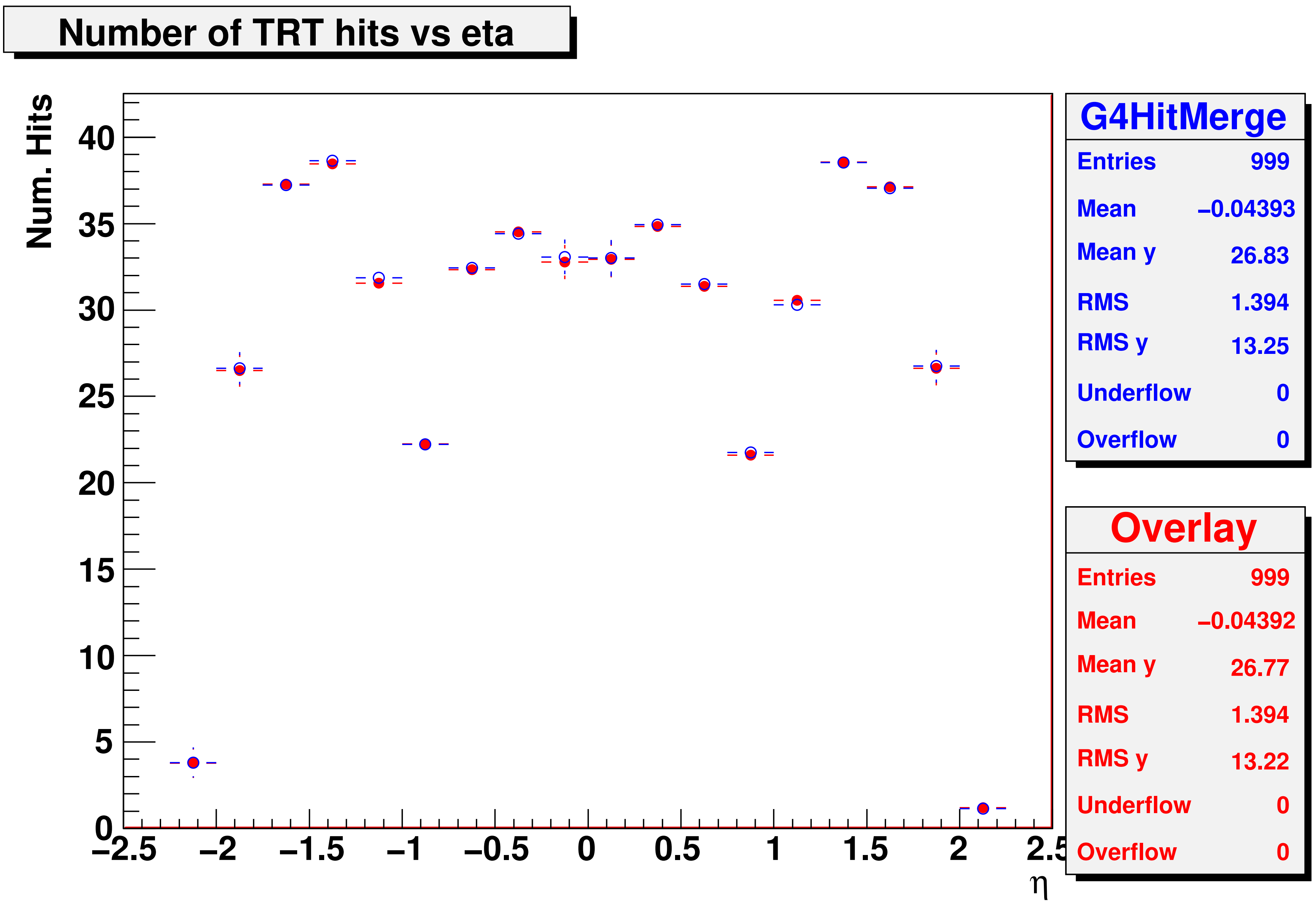

Number of Pixel hits vs eta
Num. Clus.
4.6
4.4
4.2
4
3.8
3.6
3.4
3.2
3
2.8
2.6
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 999
Mean −0.04393
Mean y 3.222
RMS 1.394
RMS y 0.7478
Underflow 0
Overflow 0
Overlay
Entries 999
Mean −0.04392
Mean y 3.223
RMS 1.394
RMS y 0.7455
Underflow 0
Overflow 0



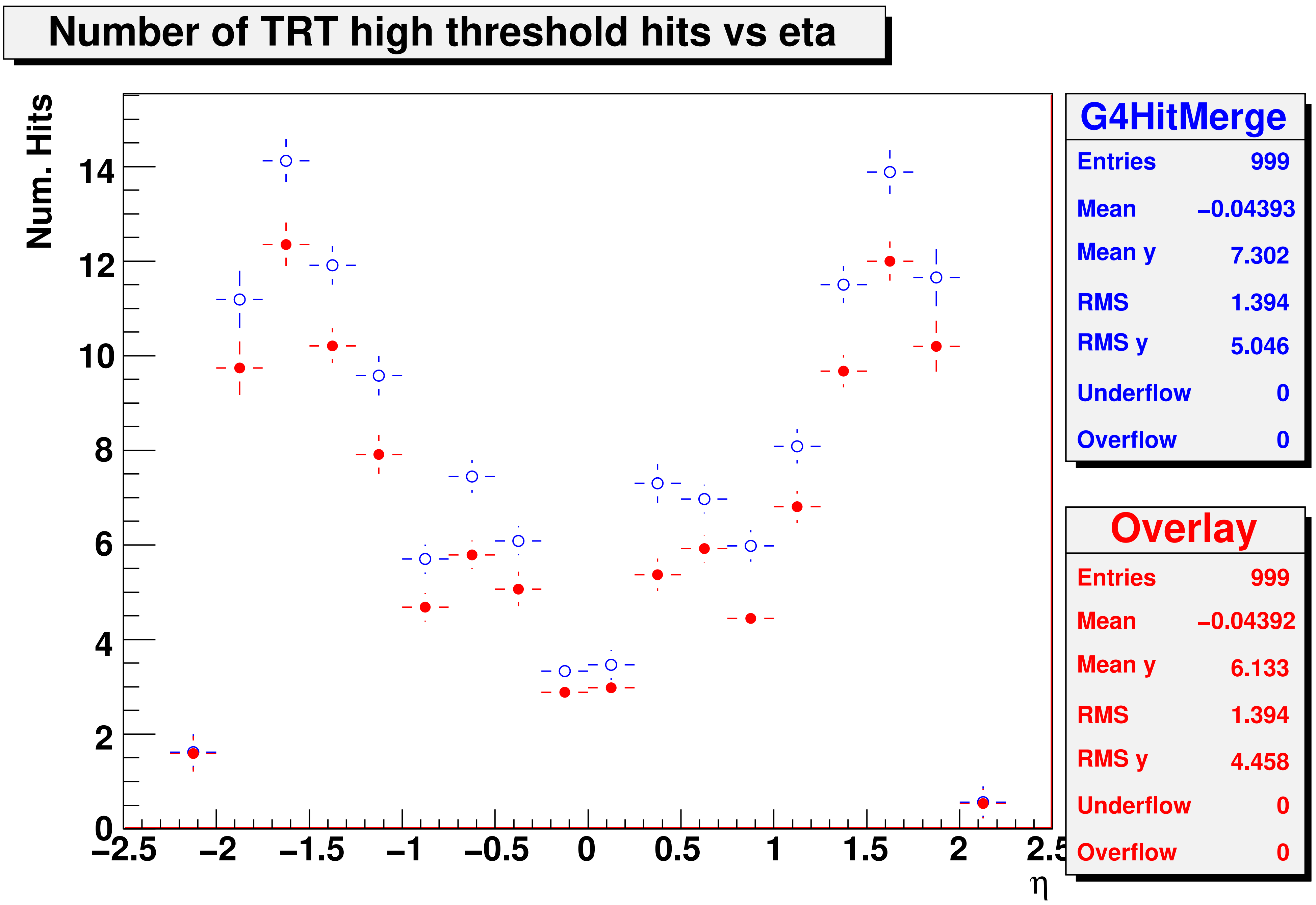
Number of contributed Pixel layers vs eta
Num. Layers
4
3.8
3.6
3.4
3.2
3
2.8
2.6
–2.5
–2
–1.5
–1
–0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 999
Mean –0.04393
Mean y 3.004
RMS 1.394
RMS y 0.5237
Underflow 0
Overflow 0
Overlay
Entries 999
Mean –0.04392
Mean y 3.007
RMS 1.394
RMS y 0.5227
Underflow 0
Overflow 0



Number of SCT hits vs eta
Num. Clus.
10
9.5
9
8.5
8
7.5
7
6.5
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 999
Mean −0.04393
Mean y 8.487
RMS 1.394
RMS y 1.357
Underflow 0
Overflow 0
Overlay
Entries 999
Mean −0.04392
Mean y 8.484
RMS 1.394
RMS y 1.355
Underflow 0
Overflow 0



Number of TRT hits vs eta
Num. Hits
40
35
30
25
20
15
10
5
0
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 999
Mean −0.04393
Mean y 26.83
RMS 1.394
RMS y 13.25
Underflow 0
Overflow 0
Overlay
Entries 999
Mean −0.04392
Mean y 26.77
RMS 1.394
RMS y 13.22
Underflow 0
Overflow 0



Number of TRT high threshold hits vs eta
Num. Hits
0
2
4
6
8
10
12
14
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
2.5
η
G4HitMerge
Entries 999
Mean −0.04393
Mean y 7.302
RMS 1.394
RMS y 5.046
Underflow 0
Overflow 0
Overlay
Entries 999
Mean −0.04392
Mean y 6.133
RMS 1.394
RMS y 4.458
Underflow 0
Overflow 0