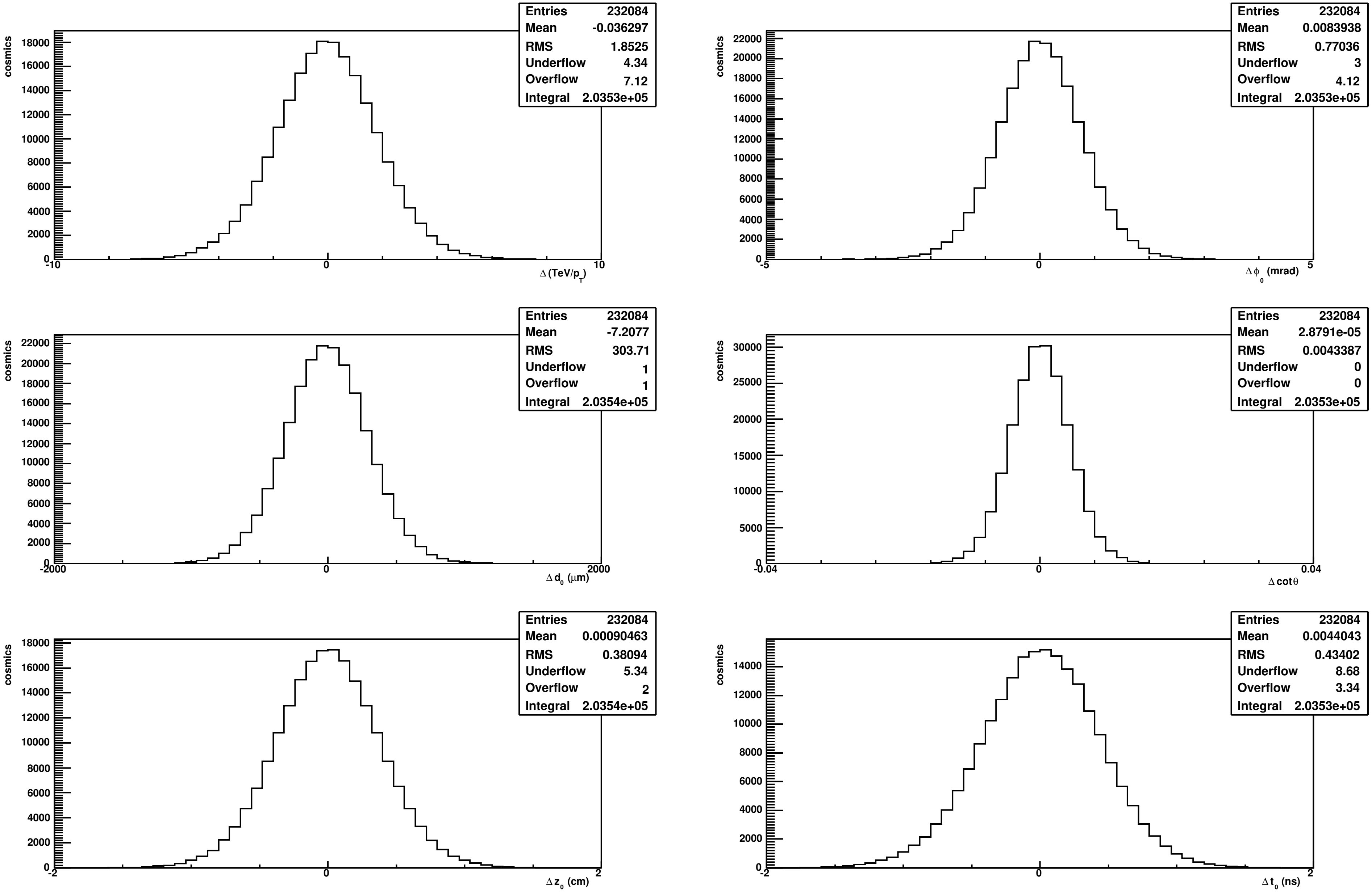
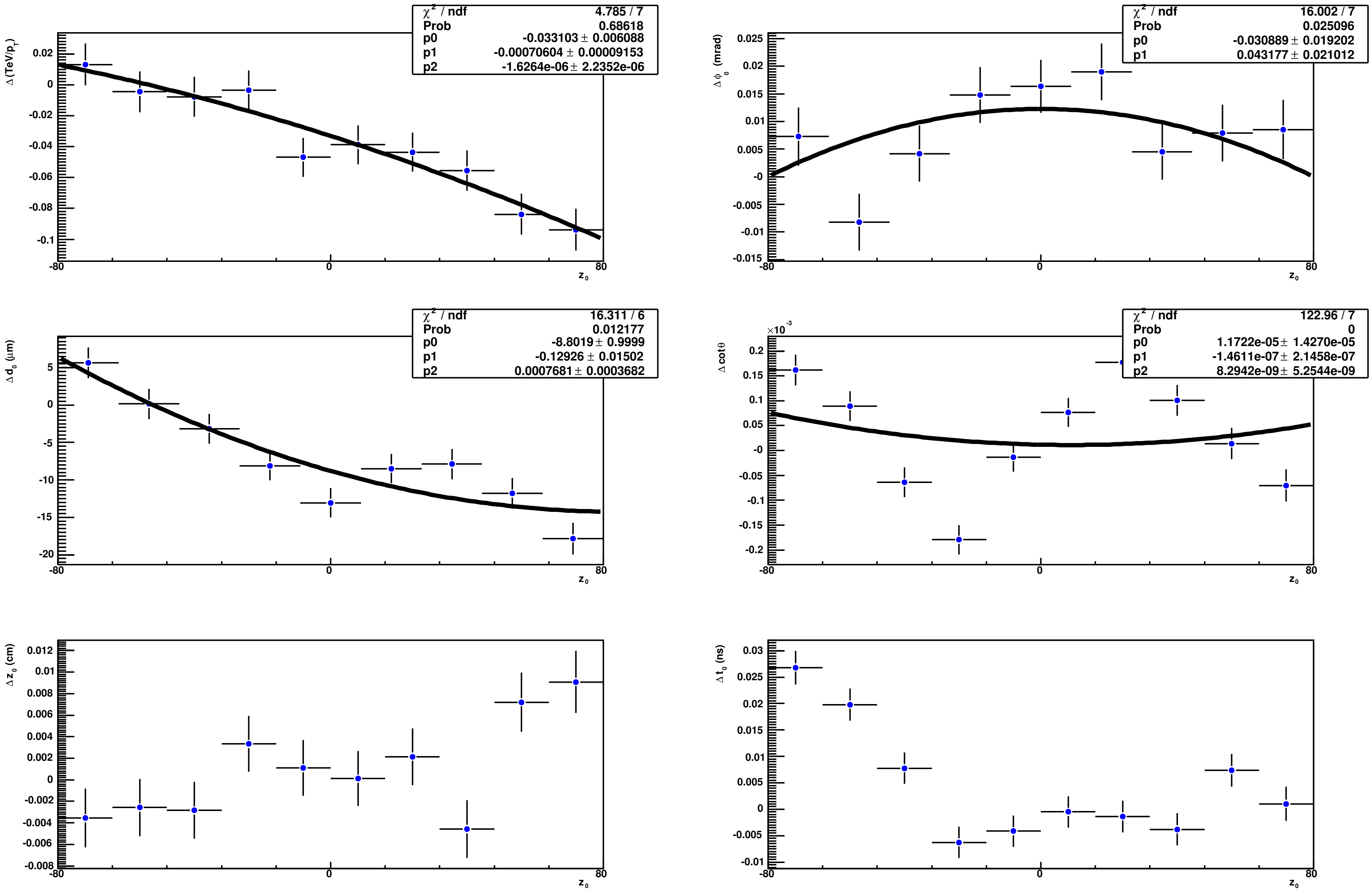
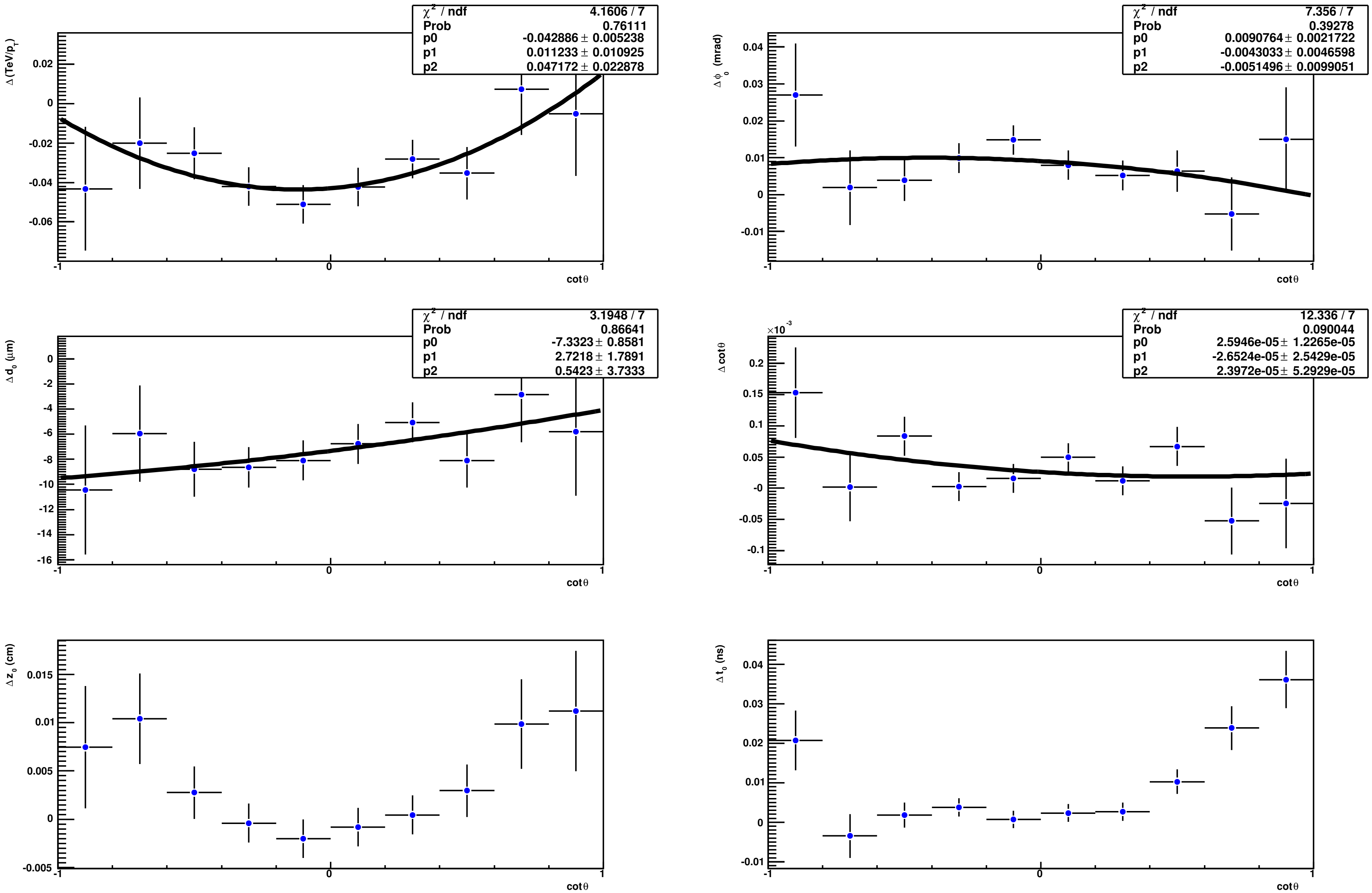
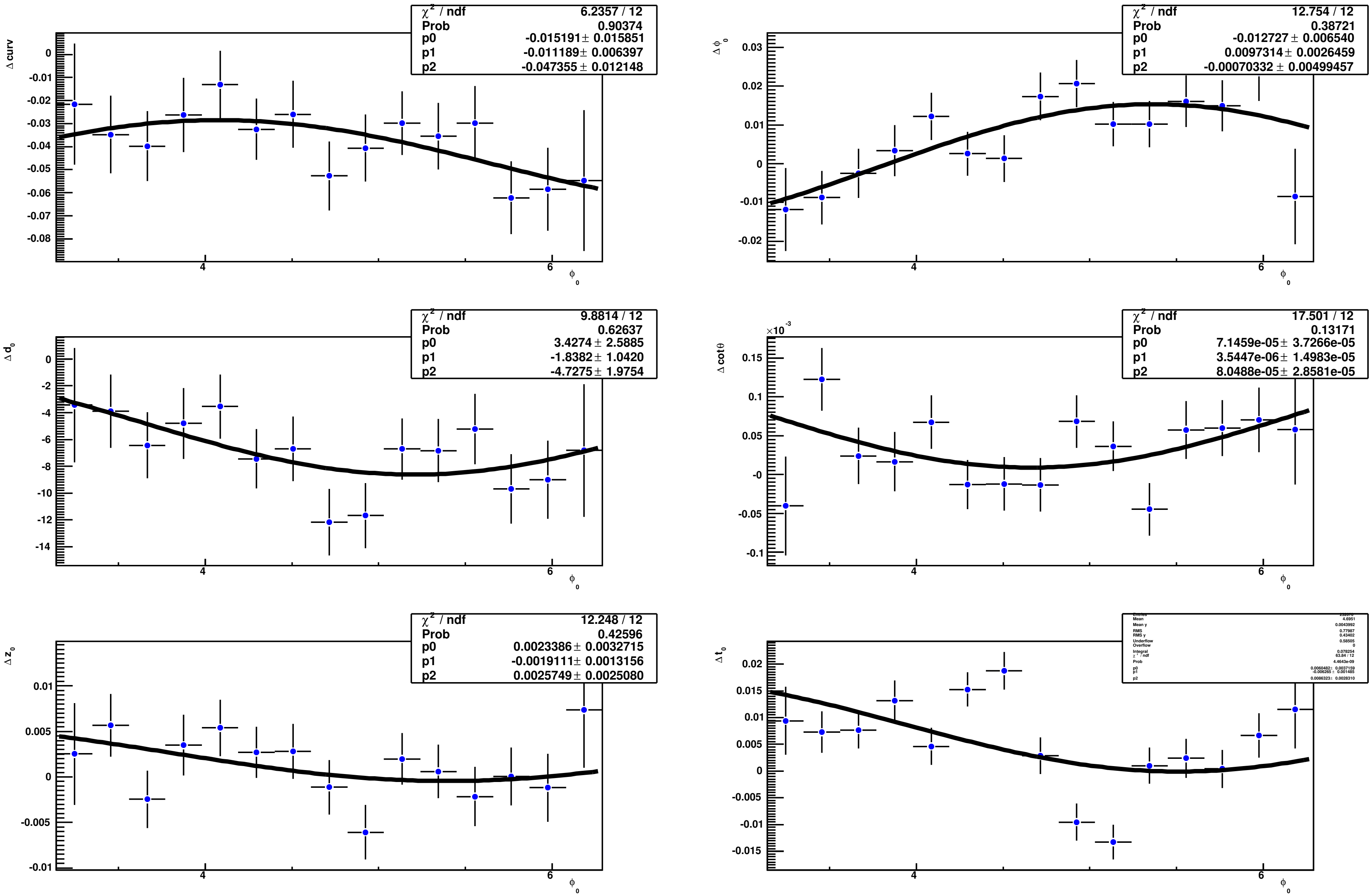

Entries 232084
Mean -0.036297
RMS 1.8525
Underflow 4.34
Overflow 7.12
Integral 2.0353e+05
cosmics
Δ(TeV/p_T)
Entries 232084
Mean 0.0083938
RMS 0.77036
Underflow 3
Overflow 4.12
Integral 2.0353e+05
cosmics
Δφ_0 (mrad)
Entries 232084
Mean -7.2077
RMS 303.71
Underflow 1
Overflow 1
Integral 2.0354e+05
cosmics
Δd_0 (μm)
Entries 232084
Mean 2.8791e-05
RMS 0.0043387
Underflow 0
Overflow 0
Integral 2.0353e+05
cosmics
Δcotθ
Entries 232084
Mean 0.00090463
RMS 0.38094
Underflow 5.34
Overflow 2
Integral 2.0354e+05
cosmics
Δz_0 (cm)
Entries 232084
Mean 0.0044043
RMS 0.43402
Underflow 8.68
Overflow 3.34
Integral 2.0353e+05
cosmics
Δt_0 (ns)



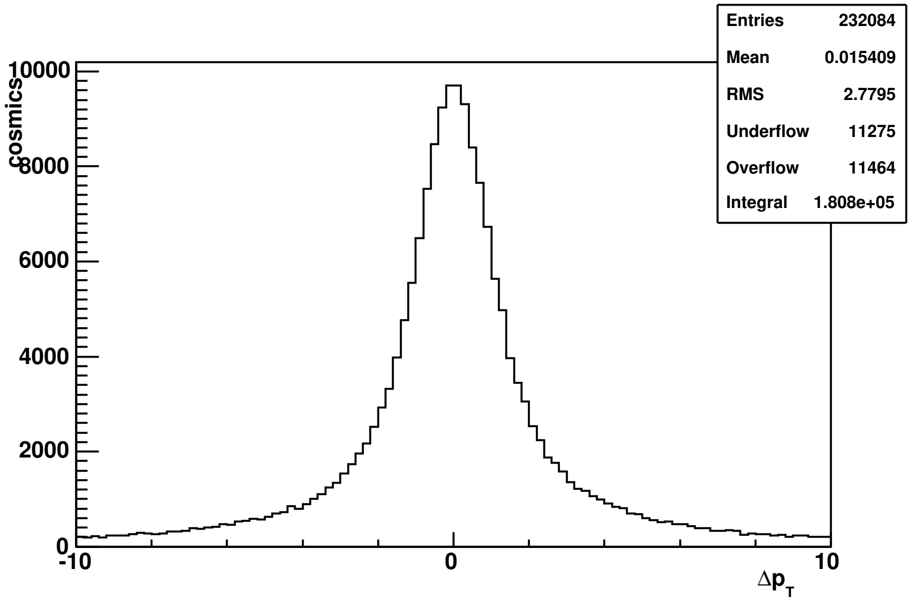
χ^2 / ndf 4.785 / 7
Prob 0.68618
p0 -0.033103 ± 0.006088
p1 -0.00070604 ± 0.00009153
p2 -1.6264e-06 ± 2.2352e-06
$\Delta(\mathrm{TeV}/p_T)$
z_0
χ^2 / ndf 16.002 / 7
Prob 0.025096
p0 -0.030889 ± 0.019202
p1 0.043177 ± 0.021012
$\Delta\phi_0$ (mrad)
z_0
χ^2 / ndf 16.311 / 6
Prob 0.012177
p0 -8.8019 ± 0.9999
p1 -0.12926 ± 0.01502
p2 0.0007681 ± 0.0003682
Δd_0 (μm)
z_0
χ^2 / ndf 122.96 / 7
Prob 0
p0 1.1722e-05 ± 1.4270e-05
p1 -1.4611e-07 ± 2.1458e-07
p2 8.2942e-09 ± 5.2544e-09
$\times 10^{-3}$
$\Delta\cot\theta$
z_0
Δz_0 (cm)
z_0
Δt_0 (ns)
z_0



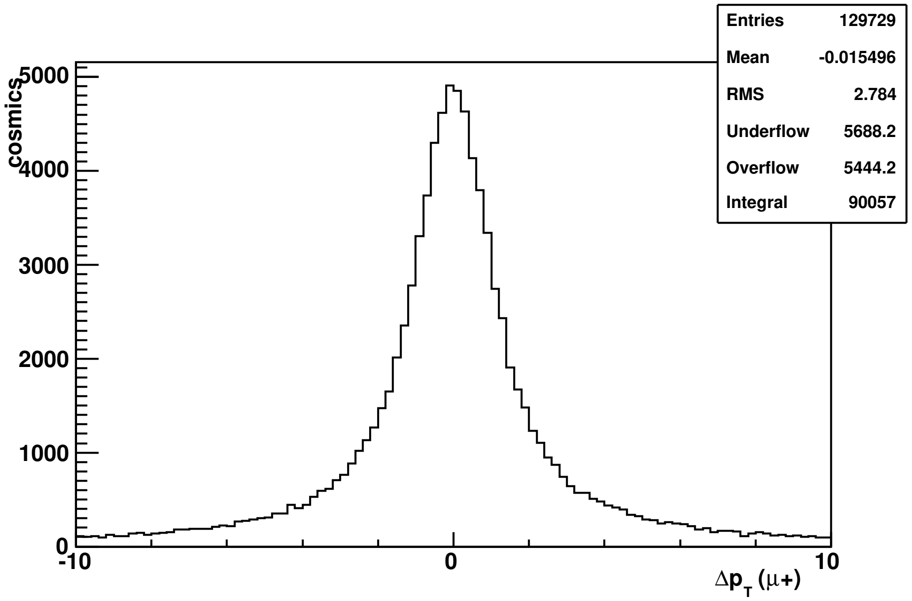
χ^2 / ndf 4.1606 / 7
Prob 0.76111
p0 -0.042886 ± 0.005238
p1 0.011233 ± 0.010925
p2 0.047172 ± 0.022878
Δ(TeV/p_T)
cotθ
χ^2 / ndf 7.356 / 7
Prob 0.39278
p0 0.0090764 ± 0.0021722
p1 -0.0043033 ± 0.0046598
p2 -0.0051496 ± 0.0099051
$\Delta\phi_0$ (mrad)
cotθ
χ^2 / ndf 3.1948 / 7
Prob 0.86641
p0 -7.3323 ± 0.8581
p1 2.7218 ± 1.7891
p2 0.5423 ± 3.7333
Δd_0 (μm)
cotθ
χ^2 / ndf 12.336 / 7
Prob 0.090044
p0 2.5946e-05 ± 1.2265e-05
p1 -2.6524e-05 ± 2.5429e-05
p2 2.3972e-05 ± 5.2929e-05
$\times 10^{-3}$
Δcotθ
cotθ
Δz_0 (cm)
cotθ
Δt_0 (ns)
cotθ



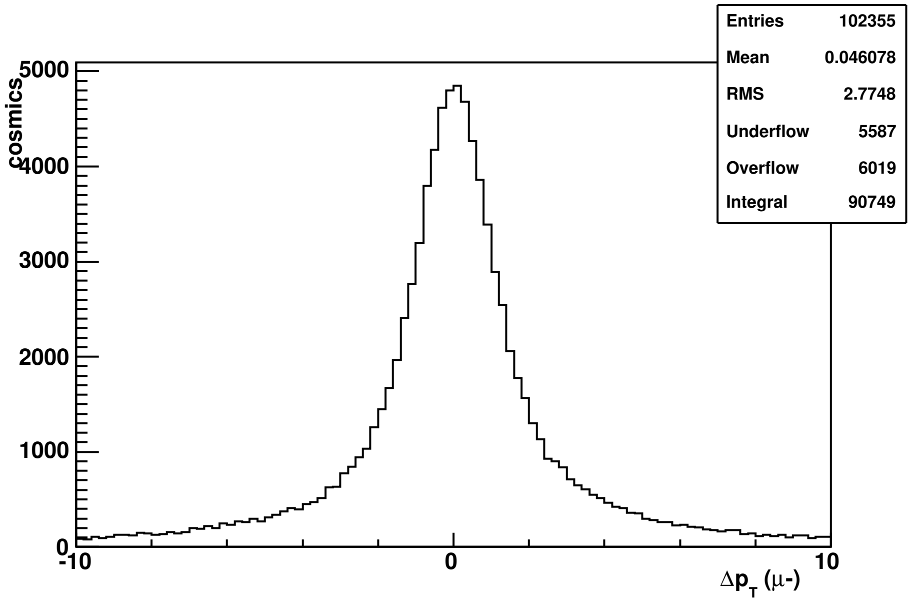
χ² / ndf 6.2357 / 12
Prob 0.90374
p0 -0.015191 ± 0.015851
p1 -0.011189 ± 0.006397
p2 -0.047355 ± 0.012148
Δ curv
ϕ0
χ² / ndf 12.754 / 12
Prob 0.38721
p0 -0.012727 ± 0.006540
p1 0.0097314 ± 0.0026459
p2 -0.00070332 ± 0.00499457
Δ ϕ0
ϕ0
χ² / ndf 9.8814 / 12
Prob 0.62637
p0 3.4274 ± 2.5885
p1 -1.8382 ± 1.0420
p2 -4.7275 ± 1.9754
Δ d0
ϕ0
χ² / ndf 17.501 / 12
Prob 0.13171
p0 7.1459e-05 ± 3.7266e-05
p1 3.5447e-06 ± 1.4983e-05
p2 8.0488e-05 ± 2.8581e-05
Δ cotθ
×10⁻³
ϕ0
χ² / ndf 12.248 / 12
Prob 0.42596
p0 0.0023386 ± 0.0032715
p1 -0.0019111 ± 0.0013156
p2 0.0025749 ± 0.0025080
Δ z0
ϕ0
Δ t0
ϕ0



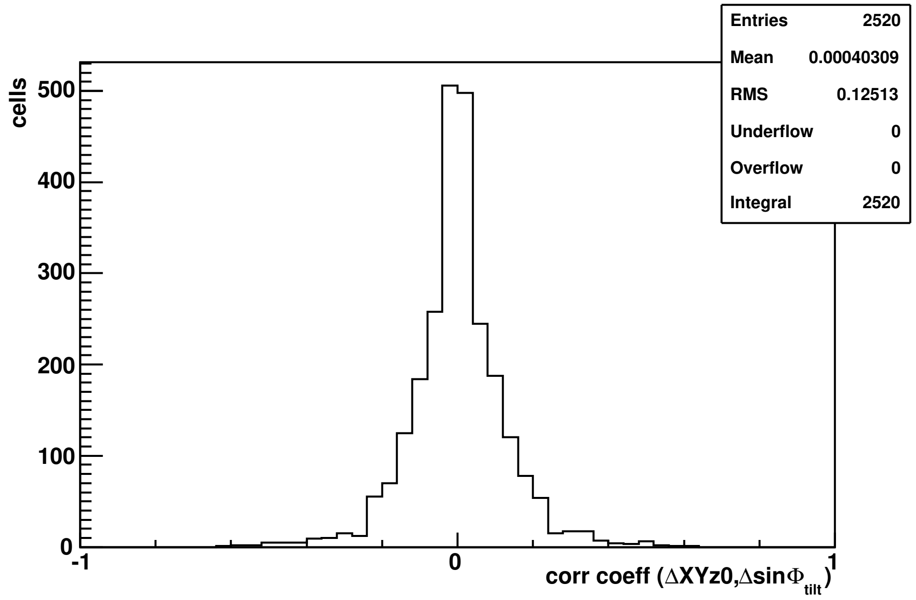
Entries 232084
Mean 0.015409
RMS 2.7795
Underflow 11275
Overflow 11464
Integral 1.808e+05
cosmics
10000
8000
6000
4000
2000
0
-10
0
10
Δp_T

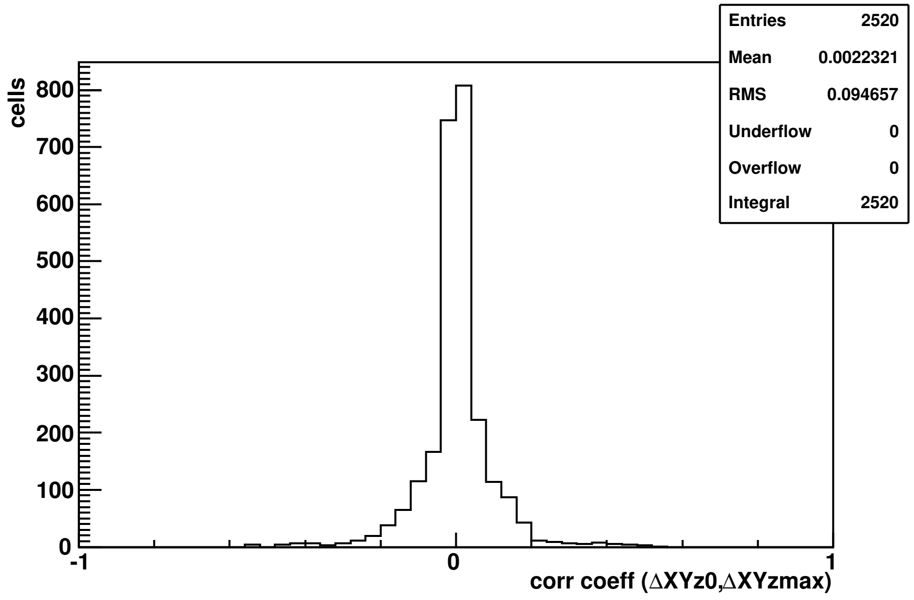


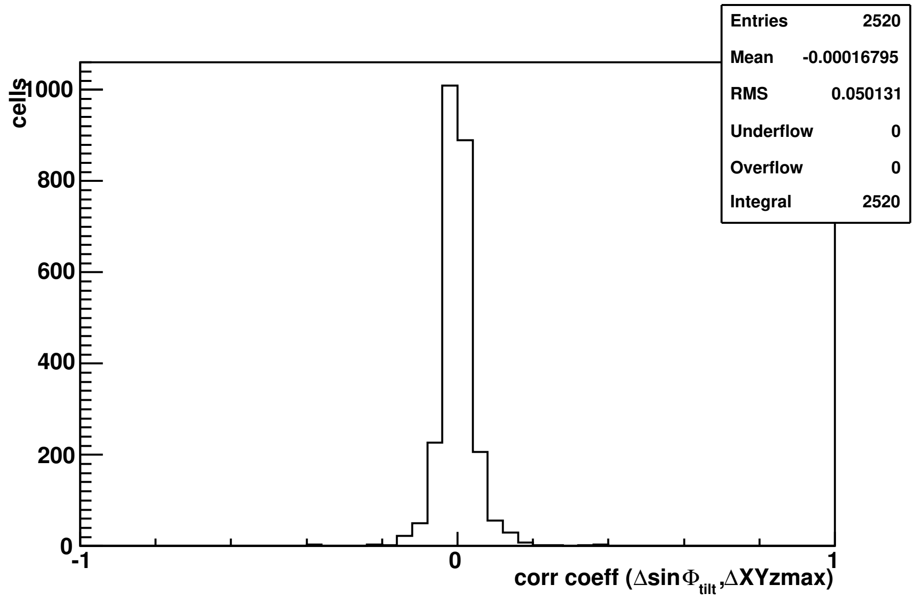
Entries 129729
Mean -0.015496
RMS 2.784
Underflow 5688.2
Overflow 5444.2
Integral 90057
cosmics
5000
4000
3000
2000
1000
0
-10
0
10
Δp_T (μ+)

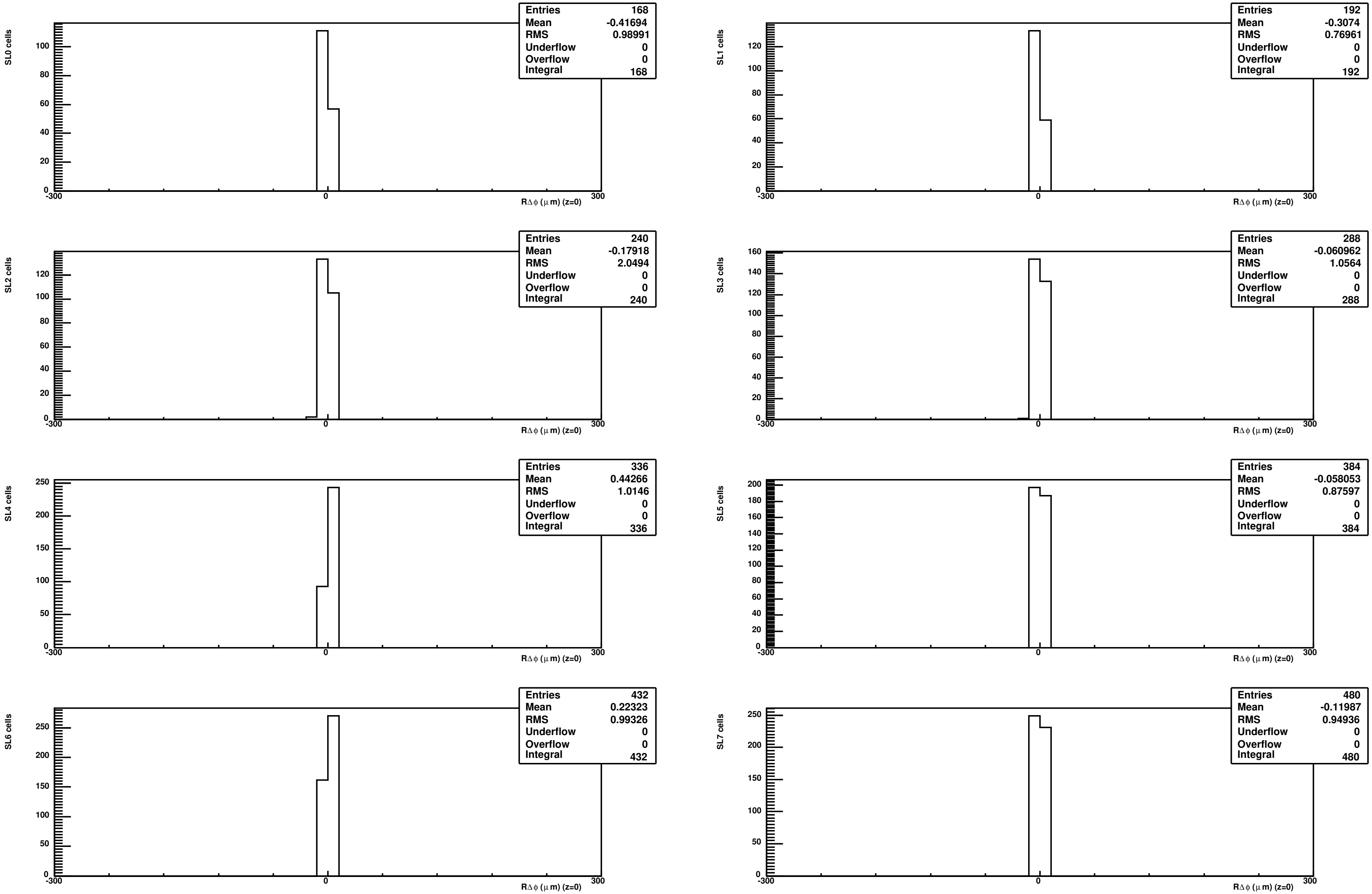


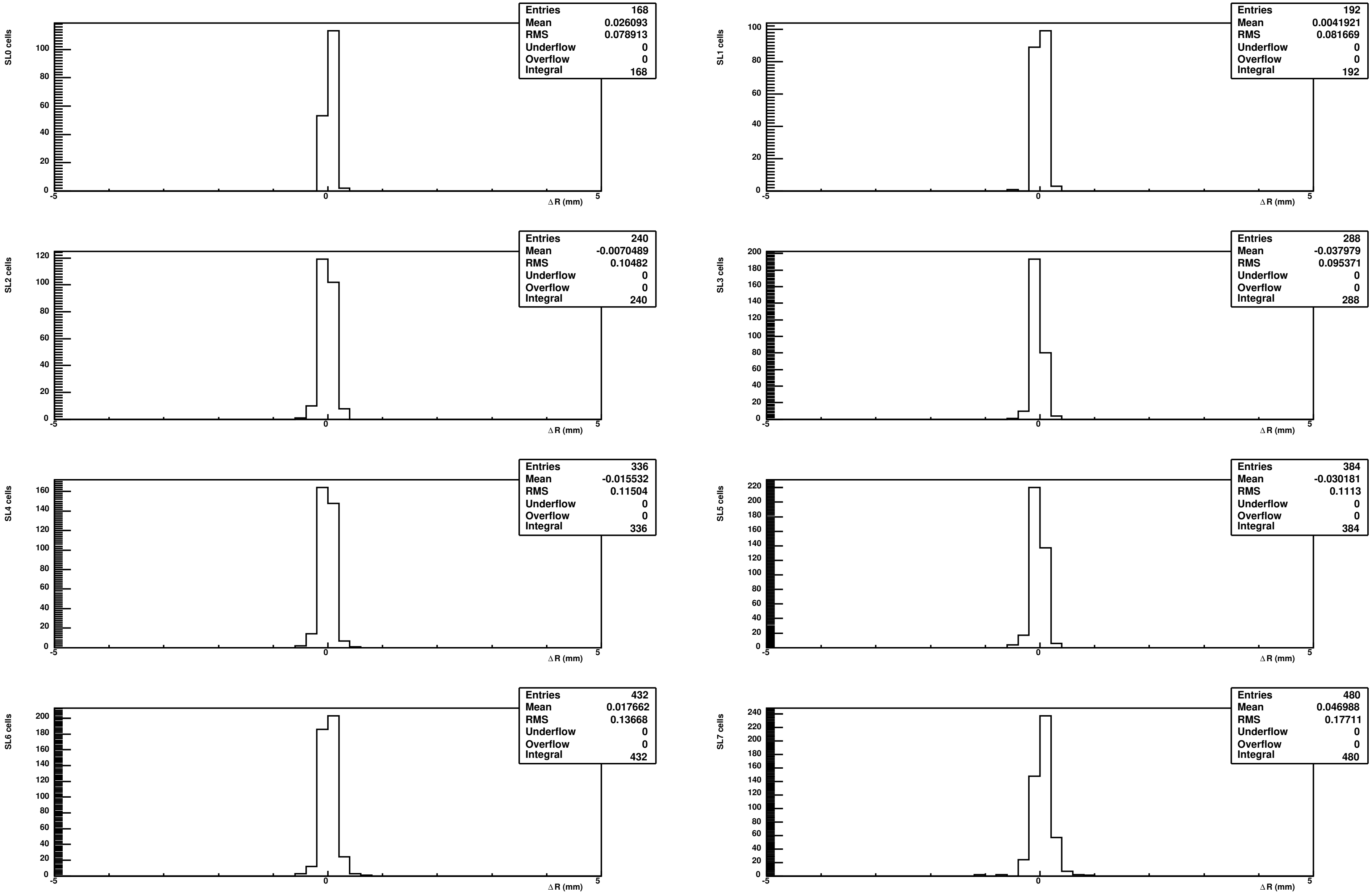
Entries 102355
Mean 0.046078
RMS 2.7748
Underflow 5587
Overflow 6019
Integral 90749
cosmics
5000
4000
3000
2000
1000
0
-10
0
10
Δp_T (μ-)

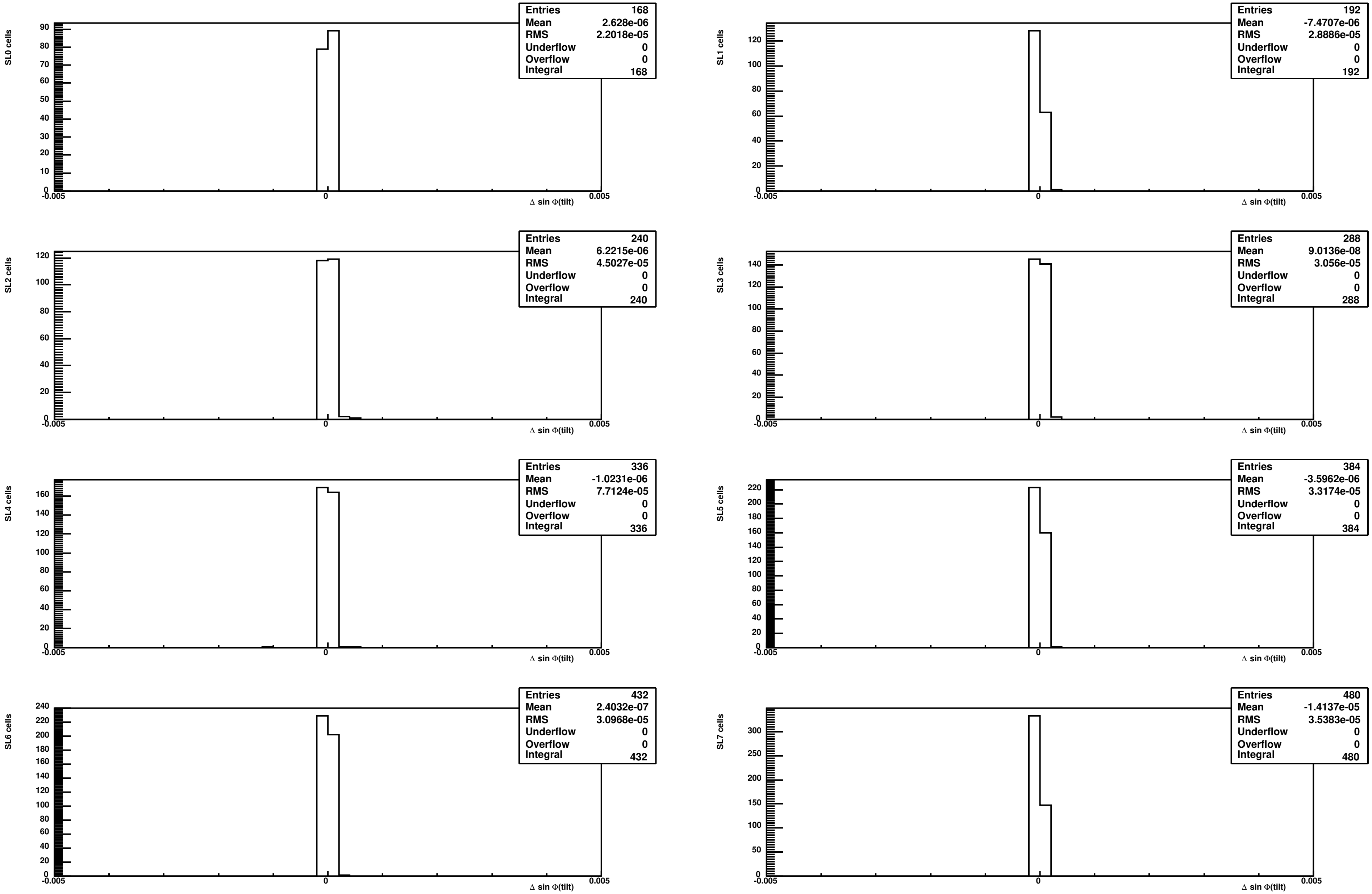

Entries 2520
Mean 0.00040309
RMS 0.12513
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔXYz0,ΔsinΦtilt)

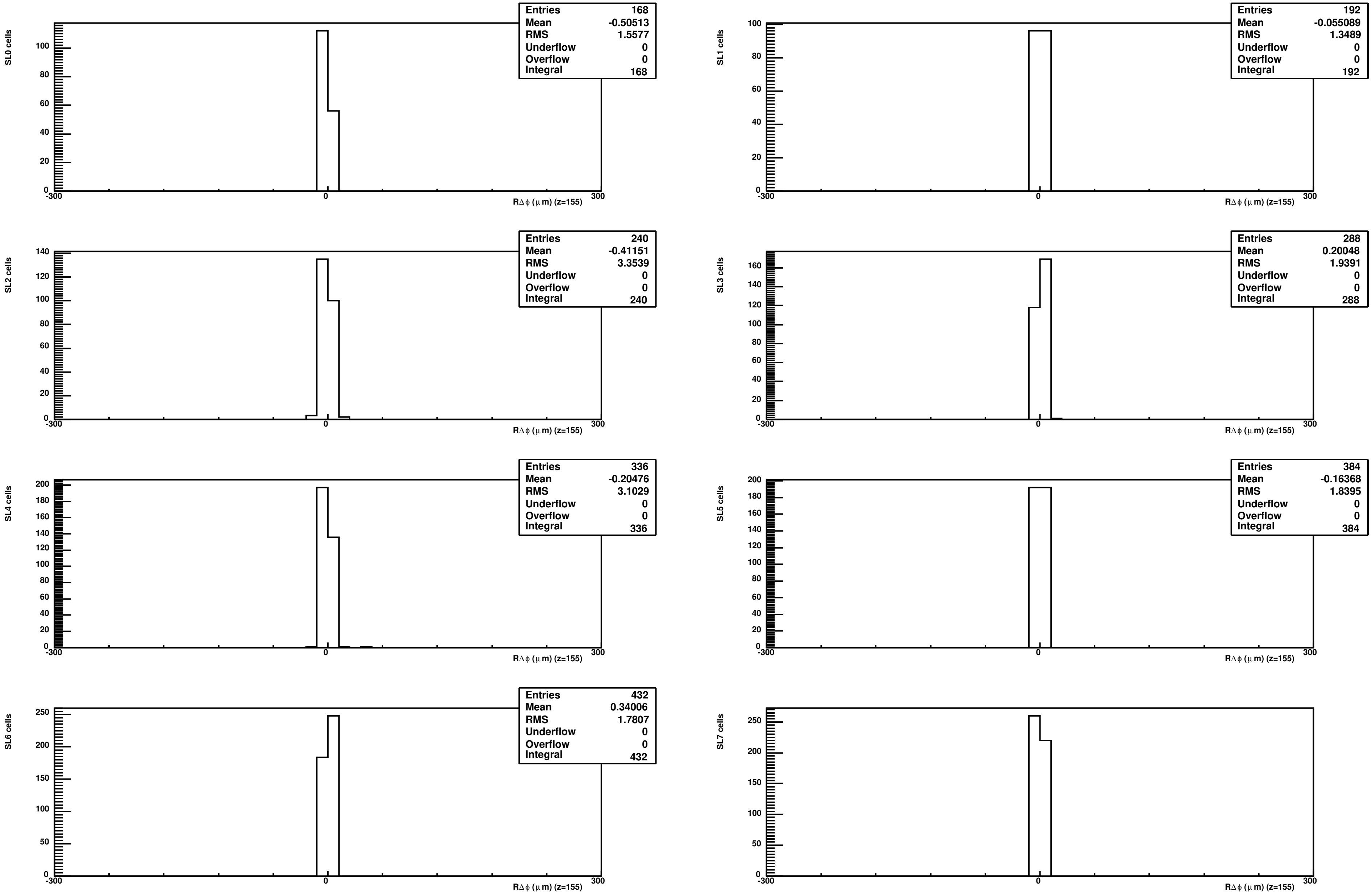

Entries 2520
Mean 0.0022321
RMS 0.094657
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔXYz0,ΔXYzmax)

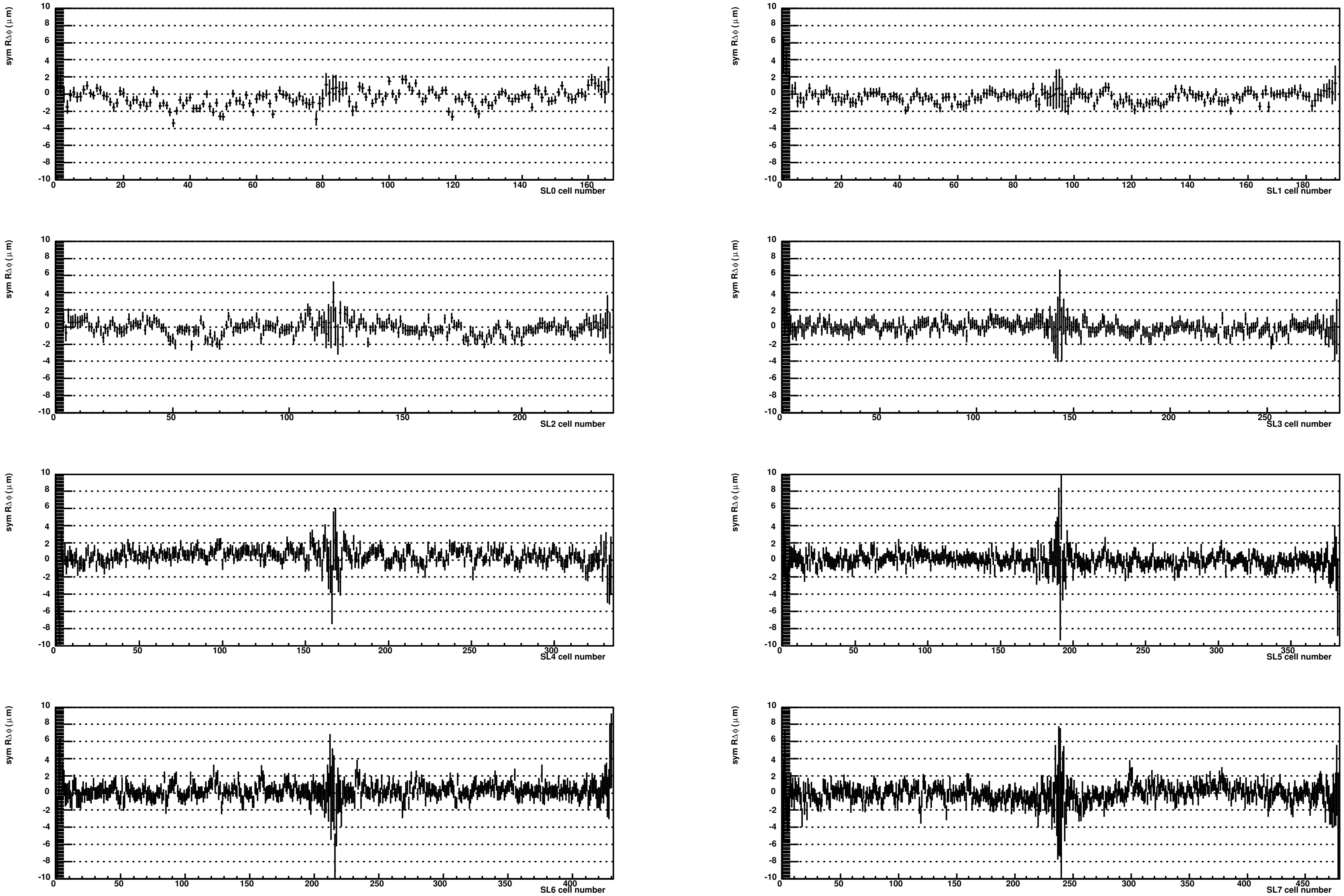

Entries 2520
Mean -0.00016795
RMS 0.050131
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔsinΦtilt,ΔXYzmax)

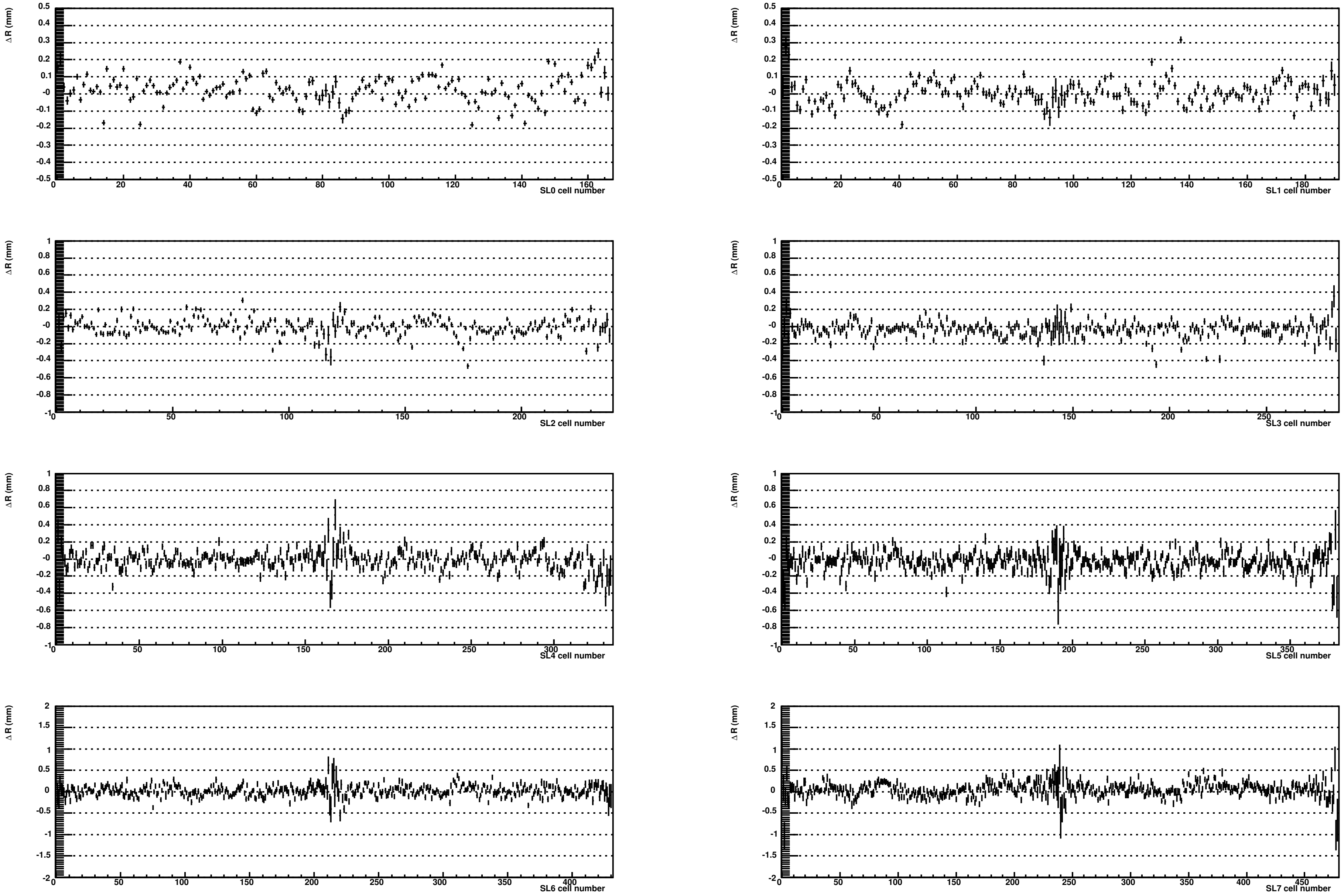

SL0 cells
Entries 168
Mean -0.41694
RMS 0.98991
Underflow 0
Overflow 0
Integral 168
RΔφ (μm) (z=0)
SL1 cells
Entries 192
Mean -0.3074
RMS 0.76961
Underflow 0
Overflow 0
Integral 192
RΔφ (μm) (z=0)
SL2 cells
Entries 240
Mean -0.17918
RMS 2.0494
Underflow 0
Overflow 0
Integral 240
RΔφ (μm) (z=0)
SL3 cells
Entries 288
Mean -0.060962
RMS 1.0564
Underflow 0
Overflow 0
Integral 288
RΔφ (μm) (z=0)
SL4 cells
Entries 336
Mean 0.44266
RMS 1.0146
Underflow 0
Overflow 0
Integral 336
RΔφ (μm) (z=0)
SL5 cells
Entries 384
Mean -0.058053
RMS 0.87597
Underflow 0
Overflow 0
Integral 384
RΔφ (μm) (z=0)
SL6 cells
Entries 432
Mean 0.22323
RMS 0.99326
Underflow 0
Overflow 0
Integral 432
RΔφ (μm) (z=0)
SL7 cells
Entries 480
Mean -0.11987
RMS 0.94936
Underflow 0
Overflow 0
Integral 480
RΔφ (μm) (z=0)

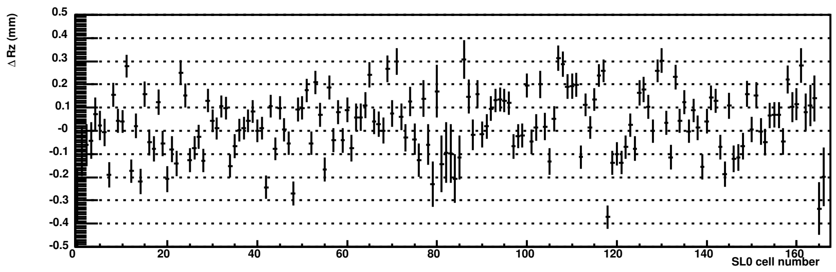

SL0 cells
Entries 168
Mean 0.026093
RMS 0.078913
Underflow 0
Overflow 0
Integral 168
ΔR (mm)
SL1 cells
Entries 192
Mean 0.0041921
RMS 0.081669
Underflow 0
Overflow 0
Integral 192
ΔR (mm)
SL2 cells
Entries 240
Mean -0.0070489
RMS 0.10482
Underflow 0
Overflow 0
Integral 240
ΔR (mm)
SL3 cells
Entries 288
Mean -0.037979
RMS 0.095371
Underflow 0
Overflow 0
Integral 288
ΔR (mm)
SL4 cells
Entries 336
Mean -0.015532
RMS 0.11504
Underflow 0
Overflow 0
Integral 336
ΔR (mm)
SL5 cells
Entries 384
Mean -0.030181
RMS 0.1113
Underflow 0
Overflow 0
Integral 384
ΔR (mm)
SL6 cells
Entries 432
Mean 0.017662
RMS 0.13668
Underflow 0
Overflow 0
Integral 432
ΔR (mm)
SL7 cells
Entries 480
Mean 0.046988
RMS 0.17711
Underflow 0
Overflow 0
Integral 480
ΔR (mm)


SL0 cells
Entries 168
Mean 2.628e-06
RMS 2.2018e-05
Underflow 0
Overflow 0
Integral 168
SL1 cells
Entries 192
Mean -7.4707e-06
RMS 2.8886e-05
Underflow 0
Overflow 0
Integral 192
SL2 cells
Entries 240
Mean 6.2215e-06
RMS 4.5027e-05
Underflow 0
Overflow 0
Integral 240
SL3 cells
Entries 288
Mean 9.0136e-08
RMS 3.056e-05
Underflow 0
Overflow 0
Integral 288
SL4 cells
Entries 336
Mean -1.0231e-06
RMS 7.7124e-05
Underflow 0
Overflow 0
Integral 336
SL5 cells
Entries 384
Mean -3.5962e-06
RMS 3.3174e-05
Underflow 0
Overflow 0
Integral 384
SL6 cells
Entries 432
Mean 2.4032e-07
RMS 3.0968e-05
Underflow 0
Overflow 0
Integral 432
SL7 cells
Entries 480
Mean -1.4137e-05
RMS 3.5383e-05
Underflow 0
Overflow 0
Integral 480
-0.005
0
0.005
Δ sin Φ(tilt)

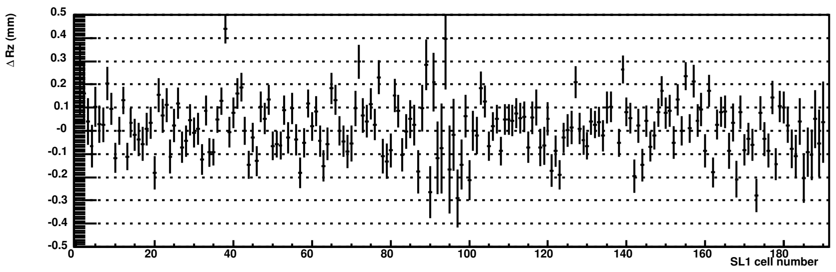

Entries 168
Mean -0.50513
RMS 1.5577
Underflow 0
Overflow 0
Integral 168
SL0 cells
RΔϕ (μm) (z=155)
Entries 192
Mean -0.055089
RMS 1.3489
Underflow 0
Overflow 0
Integral 192
SL1 cells
RΔϕ (μm) (z=155)
Entries 240
Mean -0.41151
RMS 3.3539
Underflow 0
Overflow 0
Integral 240
SL2 cells
RΔϕ (μm) (z=155)
Entries 288
Mean 0.20048
RMS 1.9391
Underflow 0
Overflow 0
Integral 288
SL3 cells
RΔϕ (μm) (z=155)
Entries 336
Mean -0.20476
RMS 3.1029
Underflow 0
Overflow 0
Integral 336
SL4 cells
RΔϕ (μm) (z=155)
Entries 384
Mean -0.16368
RMS 1.8395
Underflow 0
Overflow 0
Integral 384
SL5 cells
RΔϕ (μm) (z=155)
Entries 432
Mean 0.34006
RMS 1.7807
Underflow 0
Overflow 0
Integral 432
SL6 cells
RΔϕ (μm) (z=155)
SL7 cells
RΔϕ (μm) (z=155)


sym RΔϕ (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

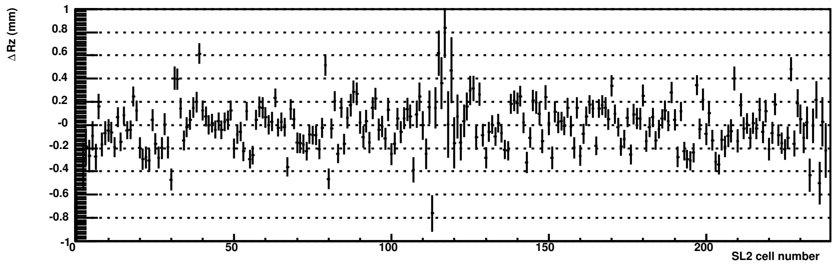

ΔR (mm)
SL0 cell number
ΔR (mm)
SL1 cell number
ΔR (mm)
SL2 cell number
ΔR (mm)
SL3 cell number
ΔR (mm)
SL4 cell number
ΔR (mm)
SL5 cell number
ΔR (mm)
SL6 cell number
ΔR (mm)
SL7 cell number



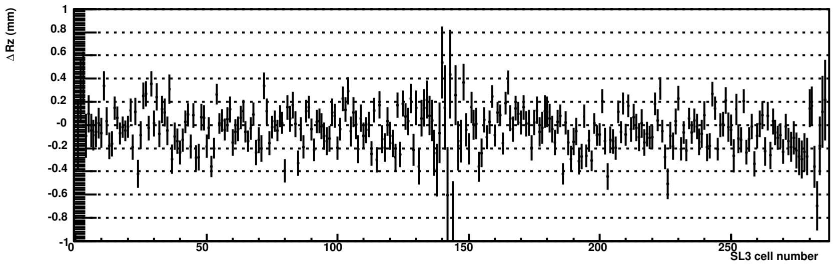
Δ Rz (mm)
SL0 cell number



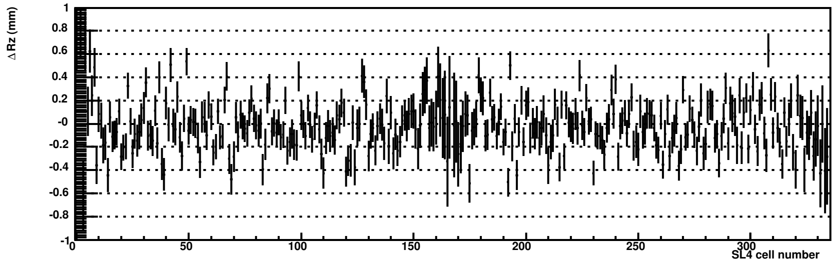
Δ Rz (mm)
SL1 cell number



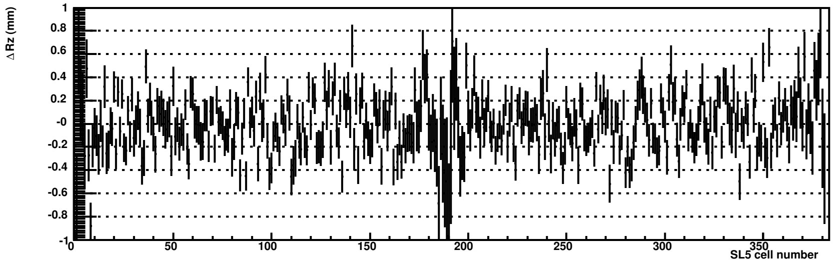
Δ Rz (mm)
SL2 cell number



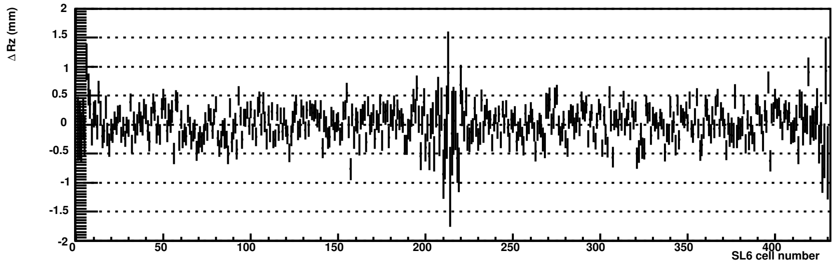
Δ Rz (mm)
SL3 cell number



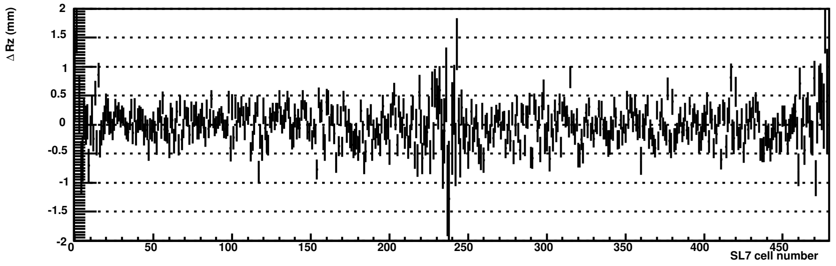
Δ Rz (mm)
SL4 cell number



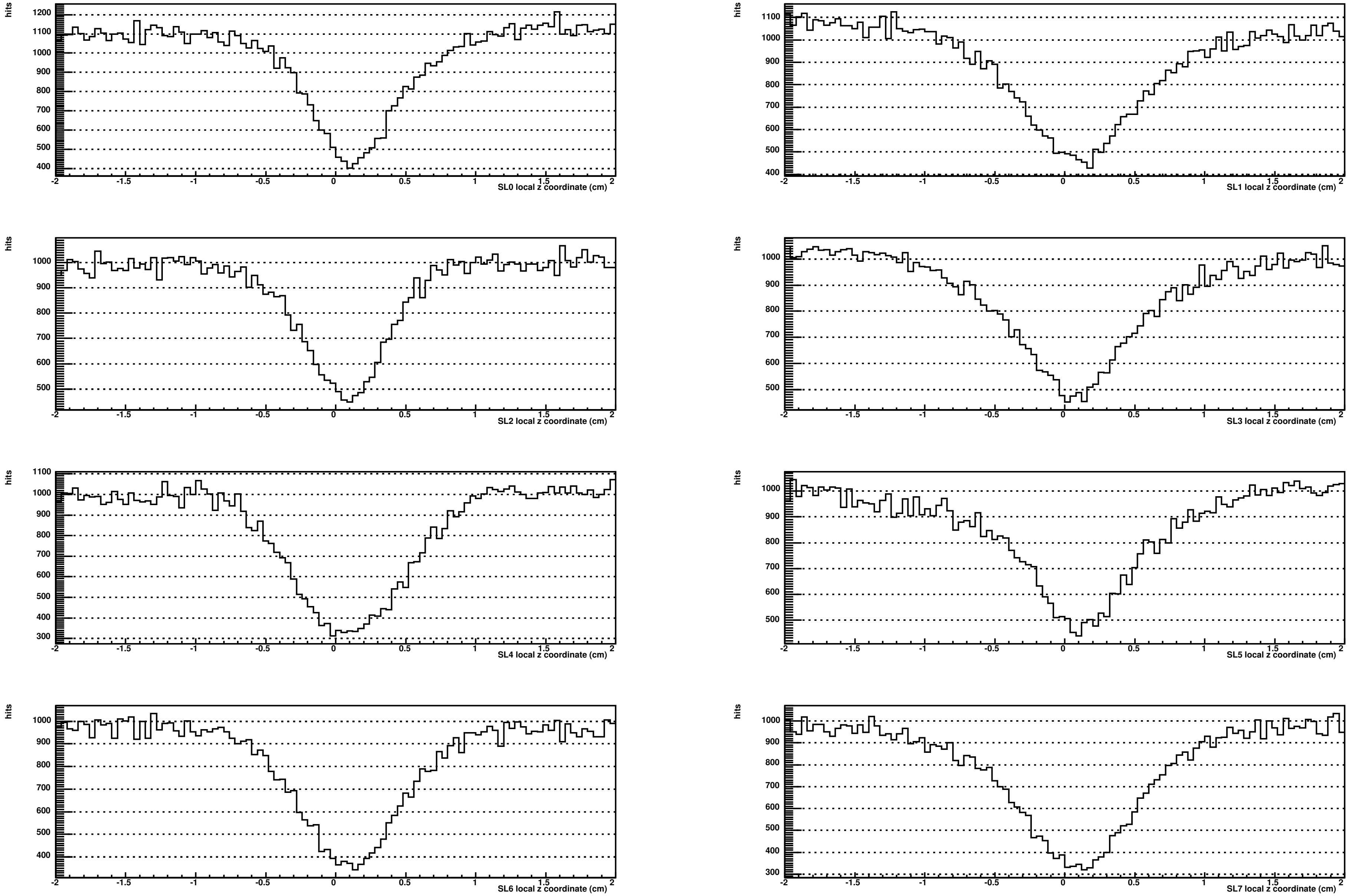
Δ Rz (mm)
SL5 cell number



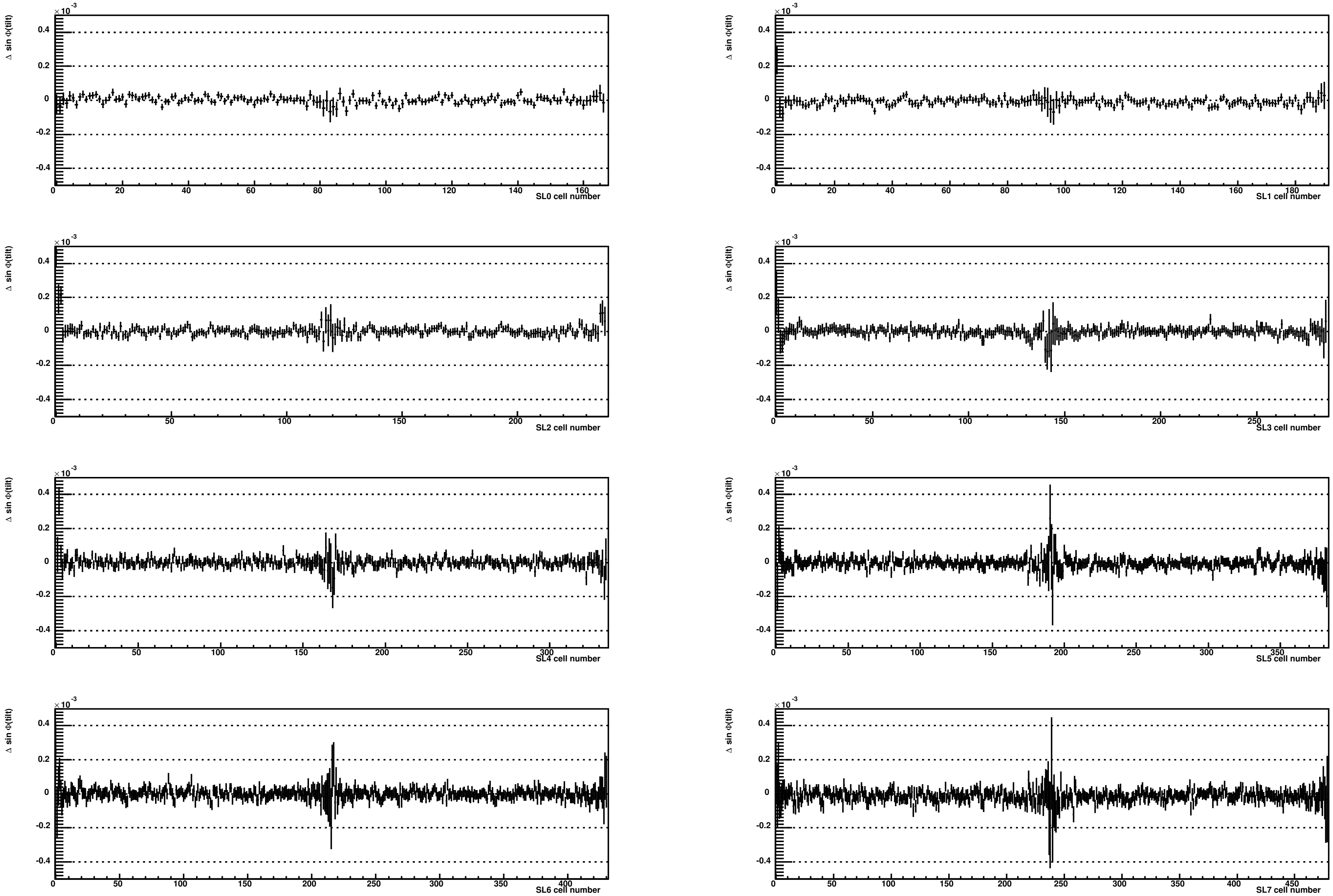
Δ Rz (mm)
SL6 cell number



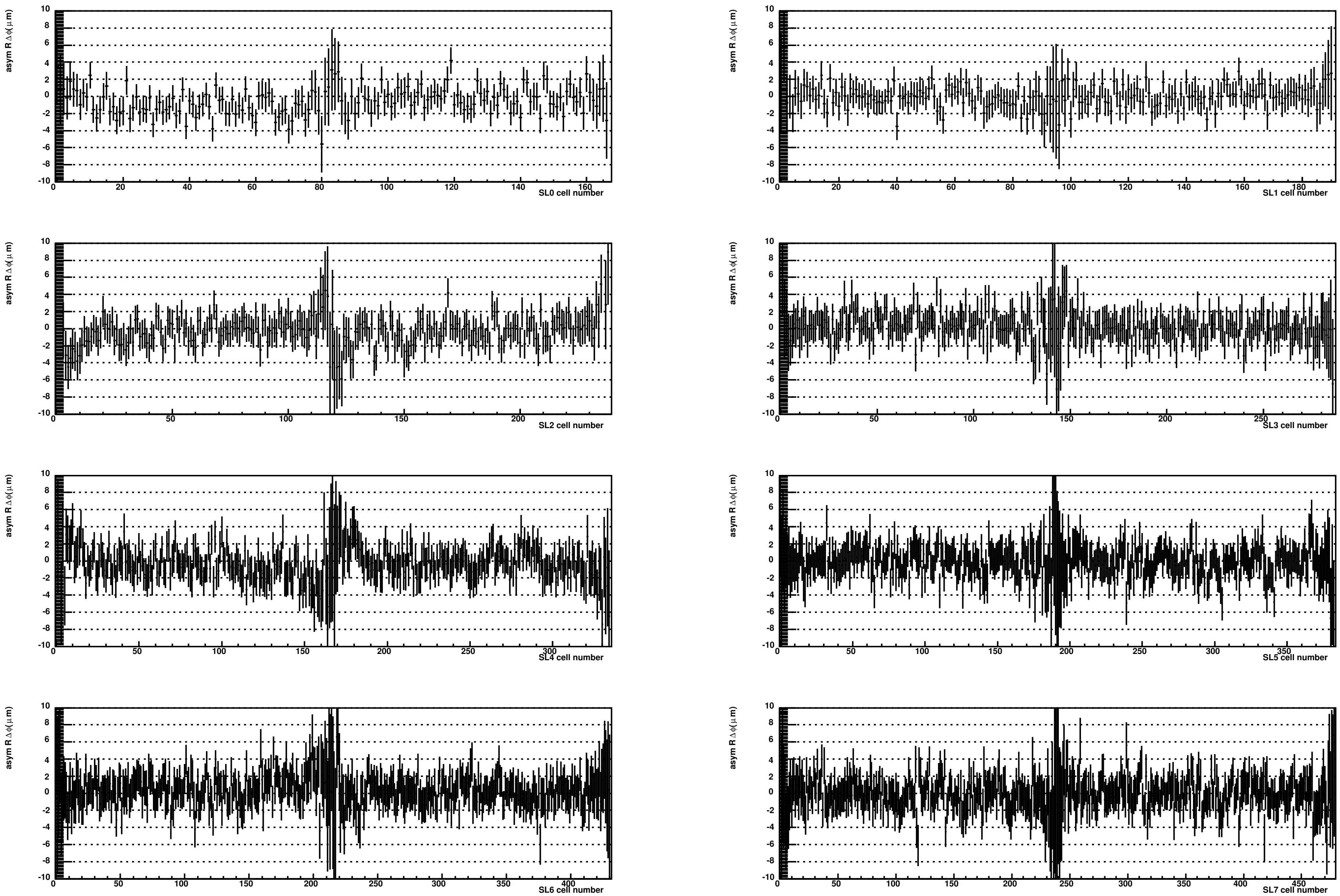
Δ Rz (mm)
SL7 cell number

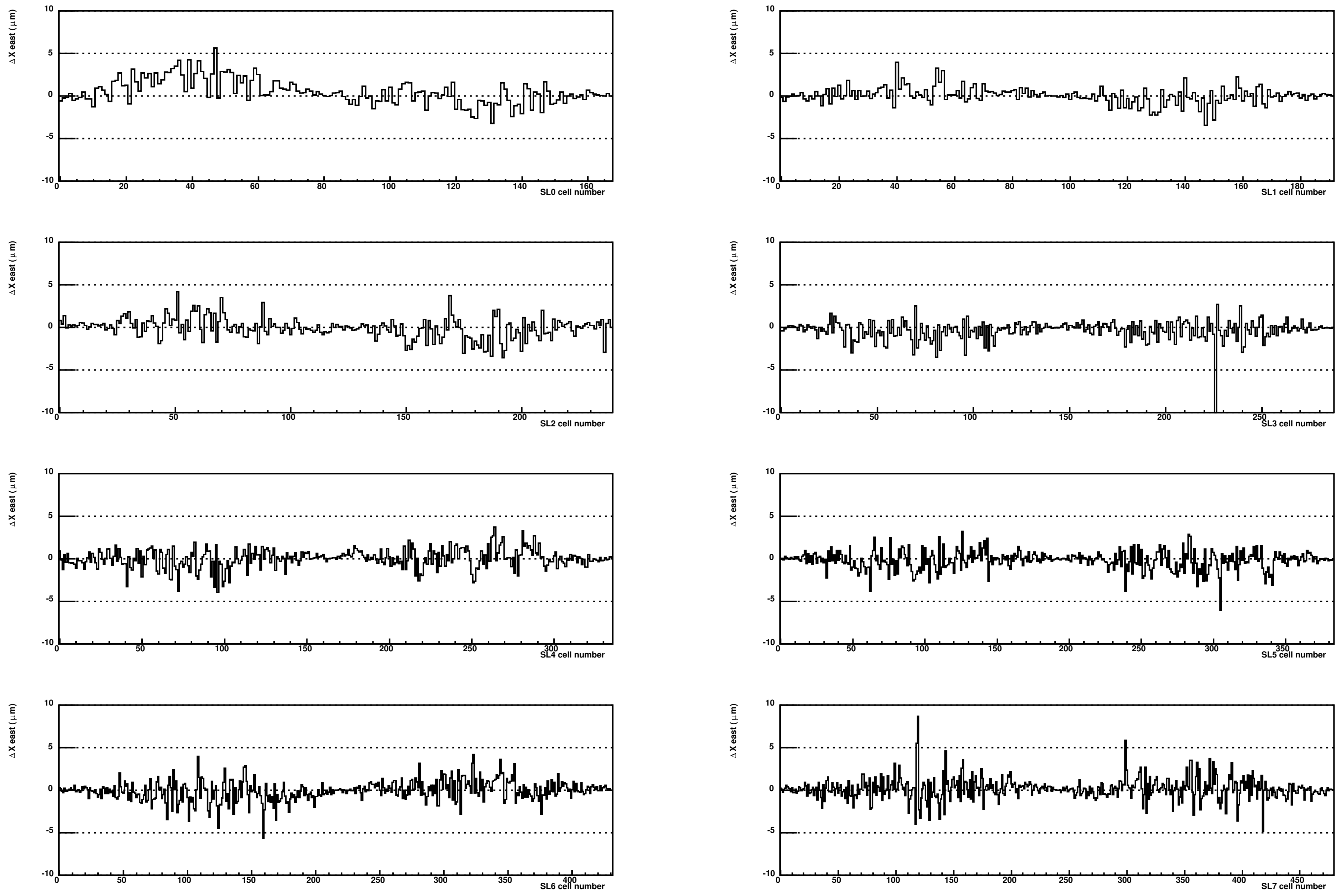


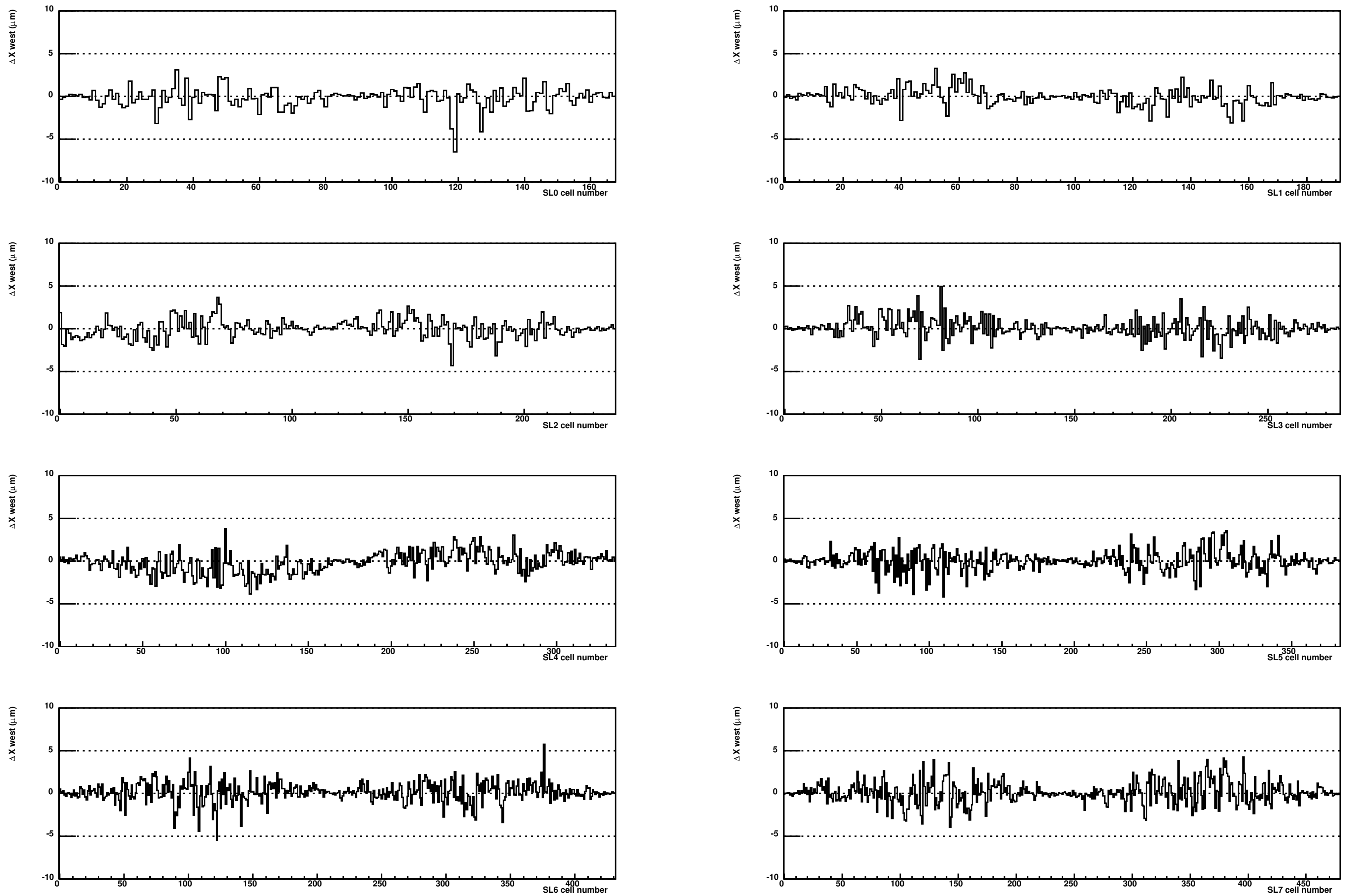
hits
SL0 local z coordinate (cm)
hits
SL1 local z coordinate (cm)
hits
SL2 local z coordinate (cm)
hits
SL3 local z coordinate (cm)
hits
SL4 local z coordinate (cm)
hits
SL5 local z coordinate (cm)
hits
SL6 local z coordinate (cm)
hits
SL7 local z coordinate (cm)

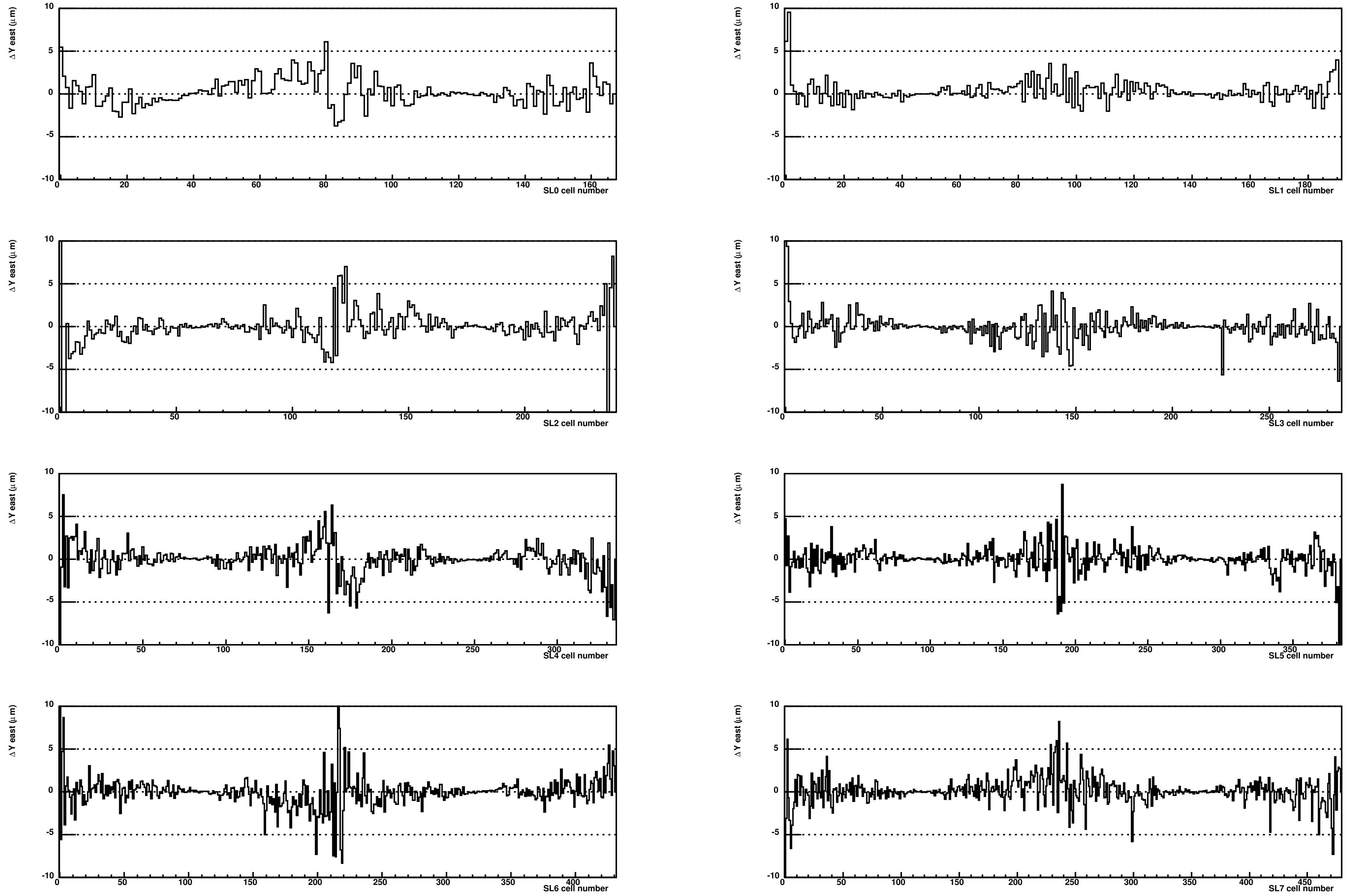


Δ sin Φ(tilt)
×10^-3
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

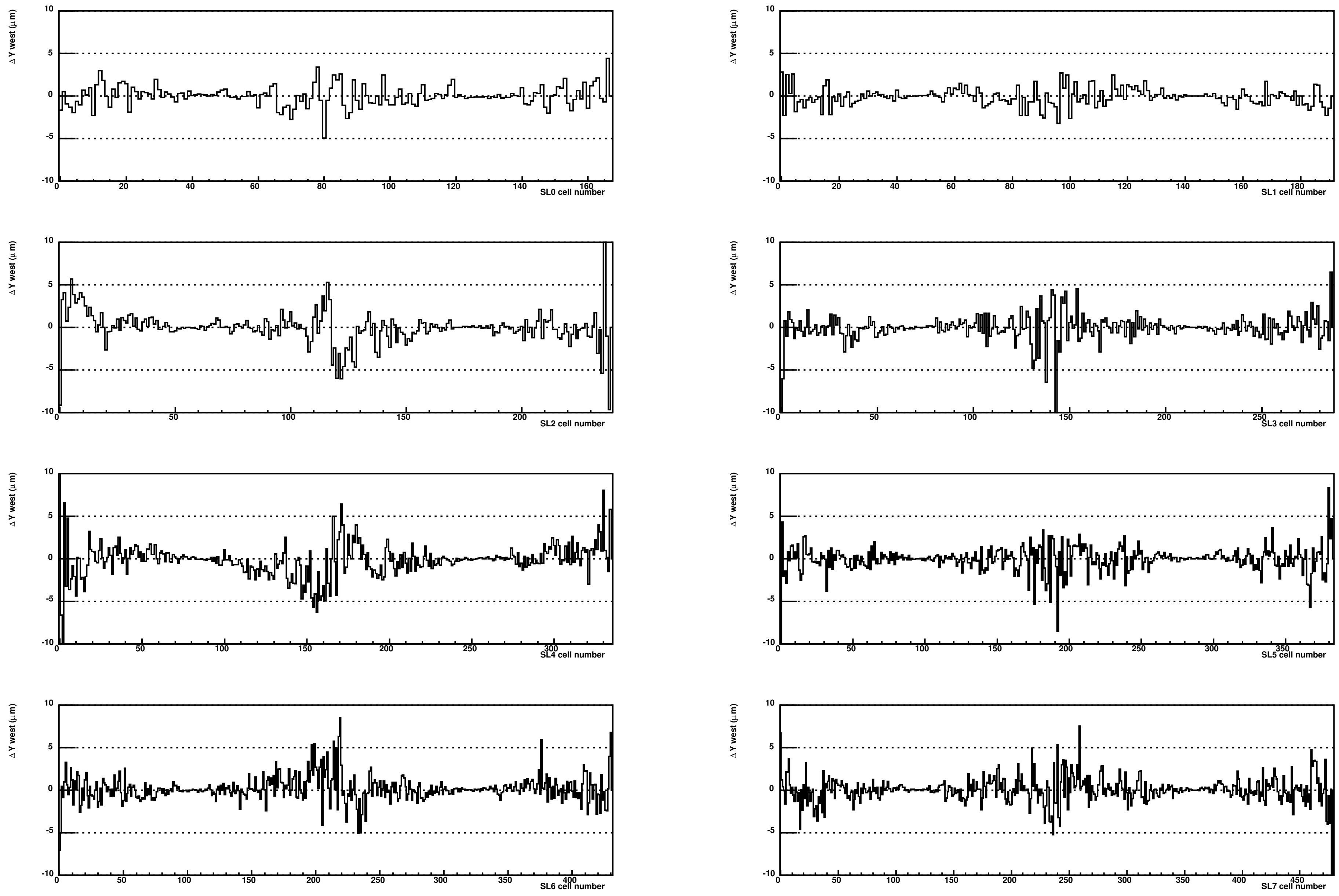

asym R Δφ(μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number


Δ X east (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

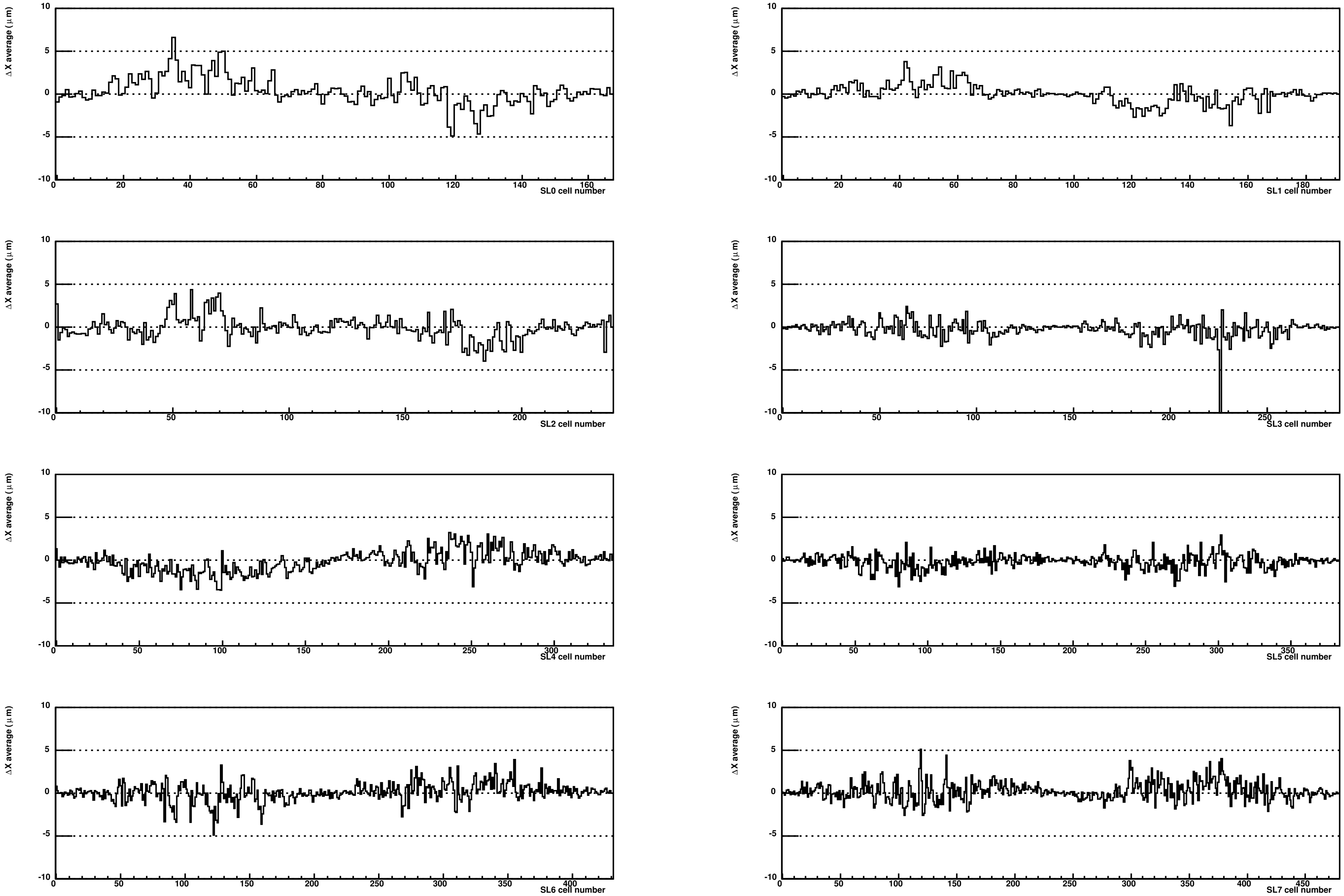

Δ X west (μ m)
10
5
0
-5
-10
0 20 40 60 80 100 120 140 160
SL0 cell number
0 20 40 60 80 100 120 140 160 180
SL1 cell number
0 50 100 150 200
SL2 cell number
0 50 100 150 200 250
SL3 cell number
0 50 100 150 200 250 300
SL4 cell number
0 50 100 150 200 250 300 350
SL5 cell number
0 50 100 150 200 250 300 350 400
SL6 cell number
0 50 100 150 200 250 300 350 400 450
SL7 cell number

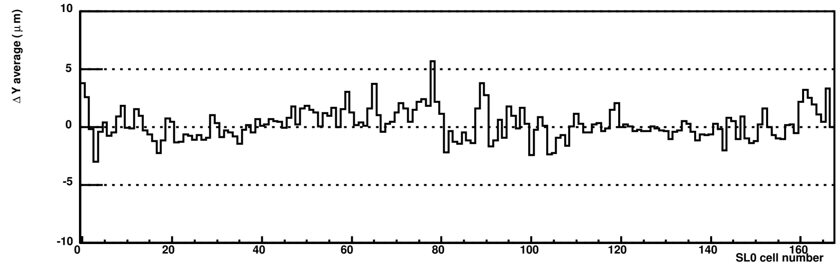


Δ Y east (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

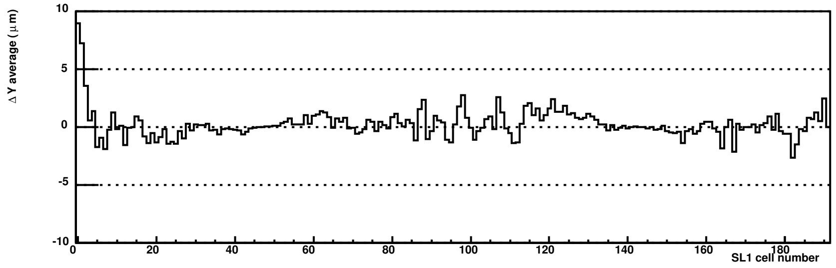


Δ Y west (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

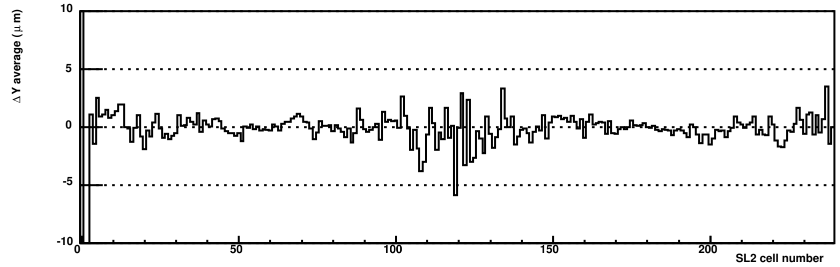

ΔX average (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



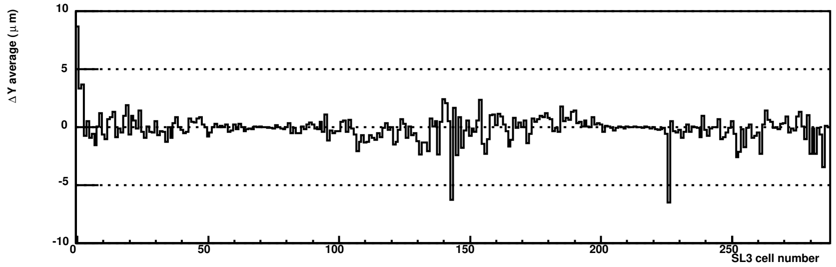
Δ Y average (μm)
SL0 cell number



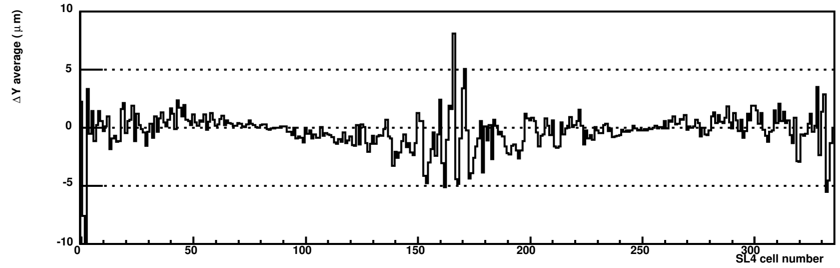
Δ Y average (μm)
SL1 cell number



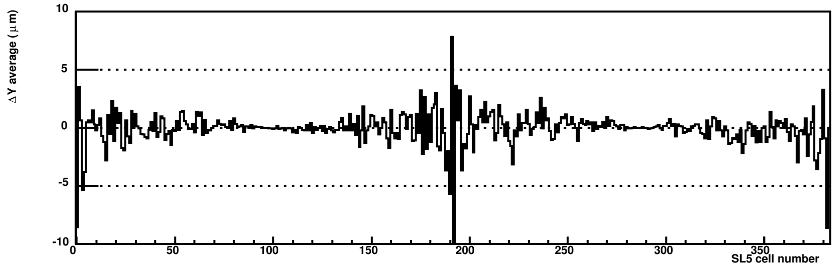
Δ Y average (μm)
SL2 cell number



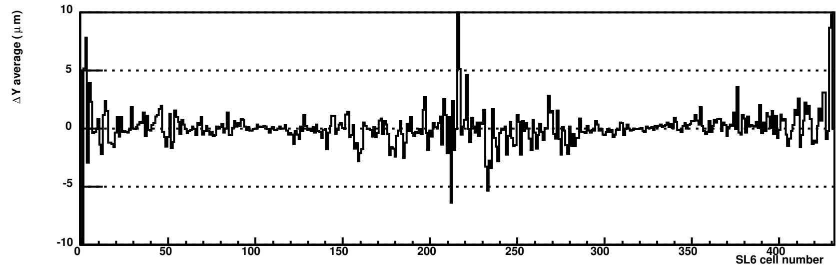
Δ Y average (μm)
SL3 cell number



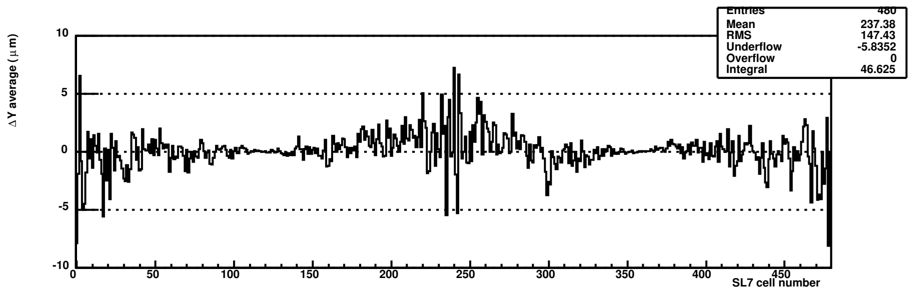
Δ Y average (μm)
SL4 cell number



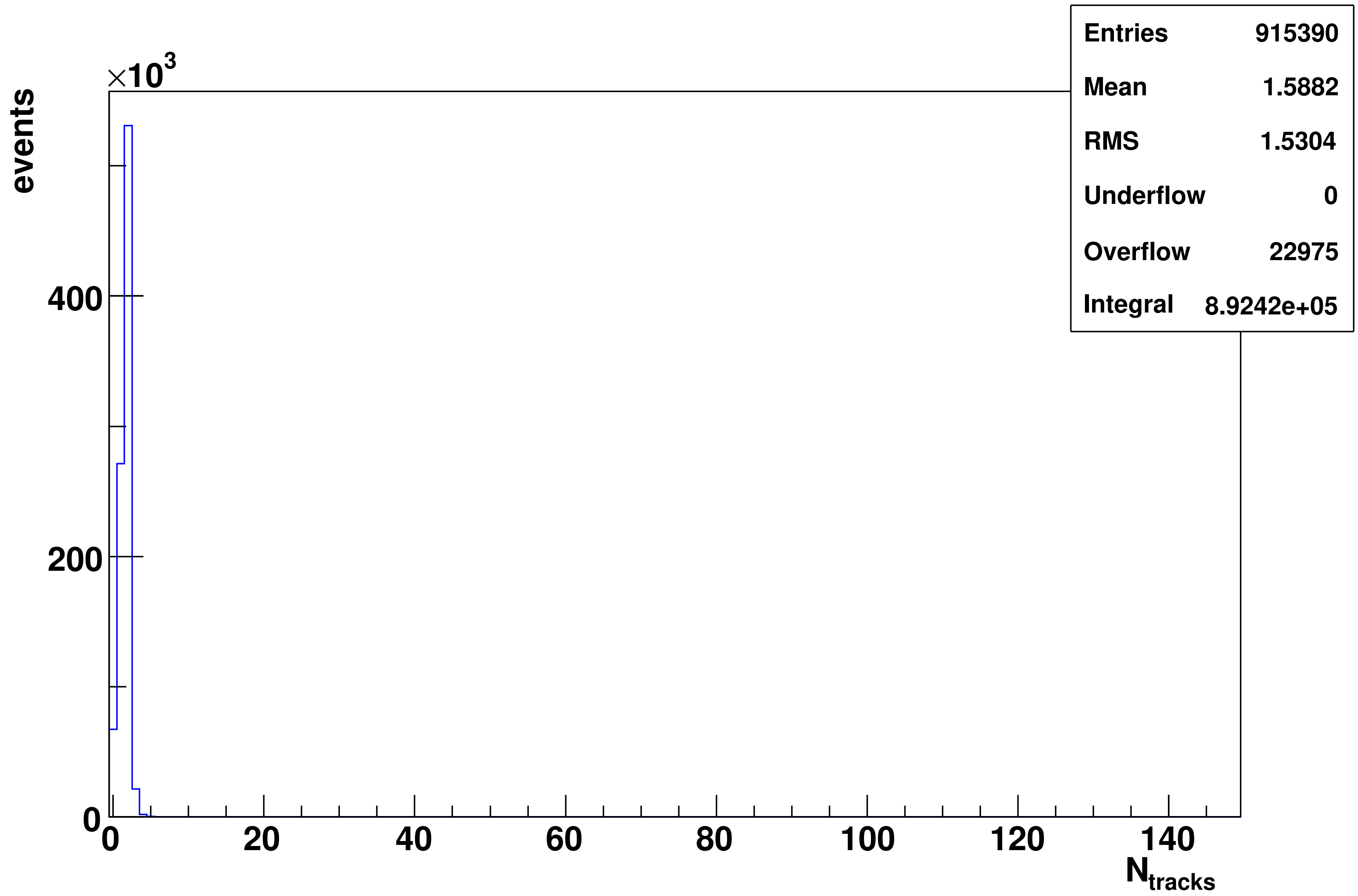
Δ Y average (μm)
SL5 cell number



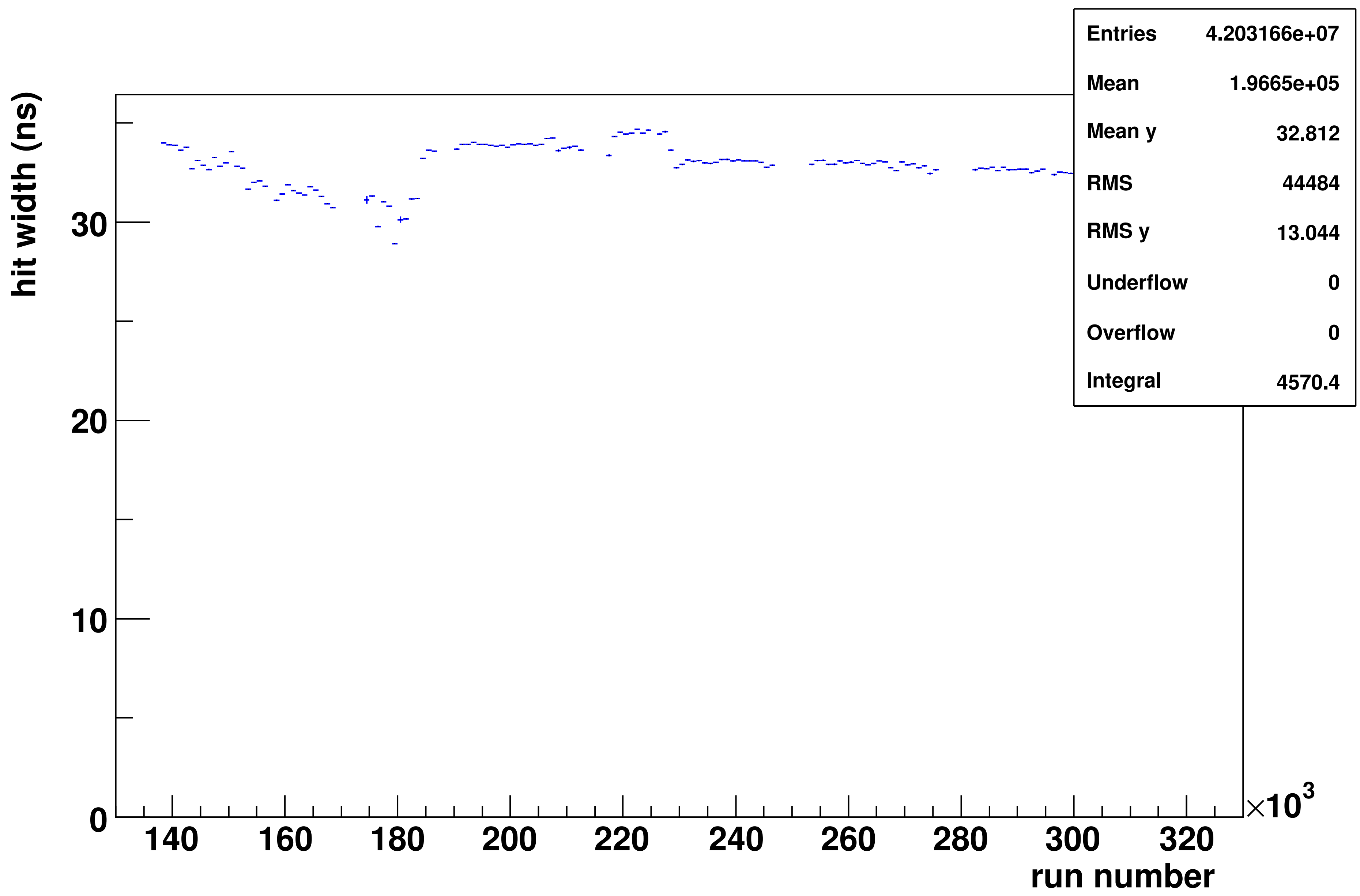
Δ Y average (μm)
SL6 cell number



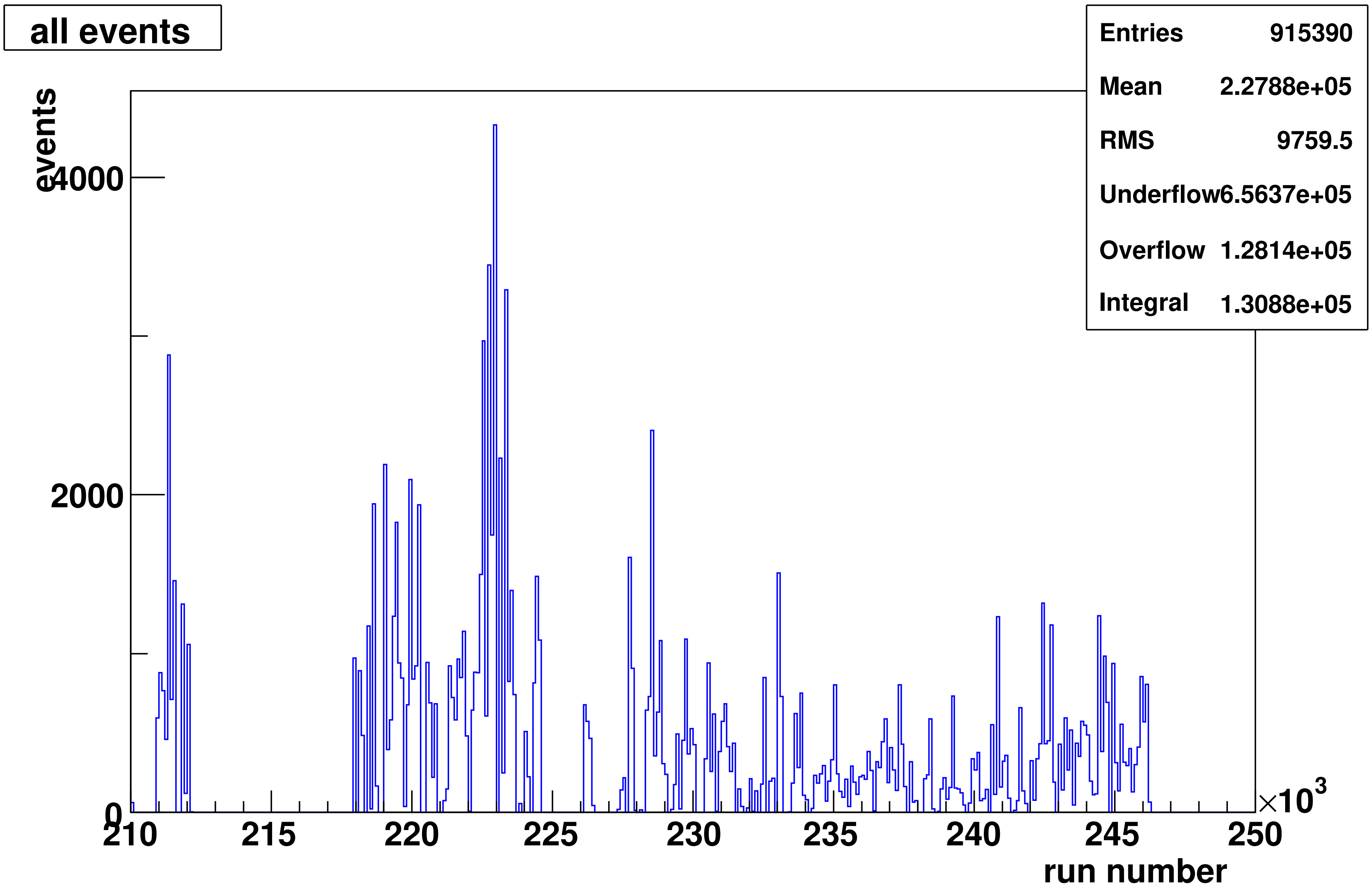
Entries 480
Mean 237.38
RMS 147.43
Underflow -5.8352
Overflow 0
Integral 46.625
Δ Y average (μm)
SL7 cell number

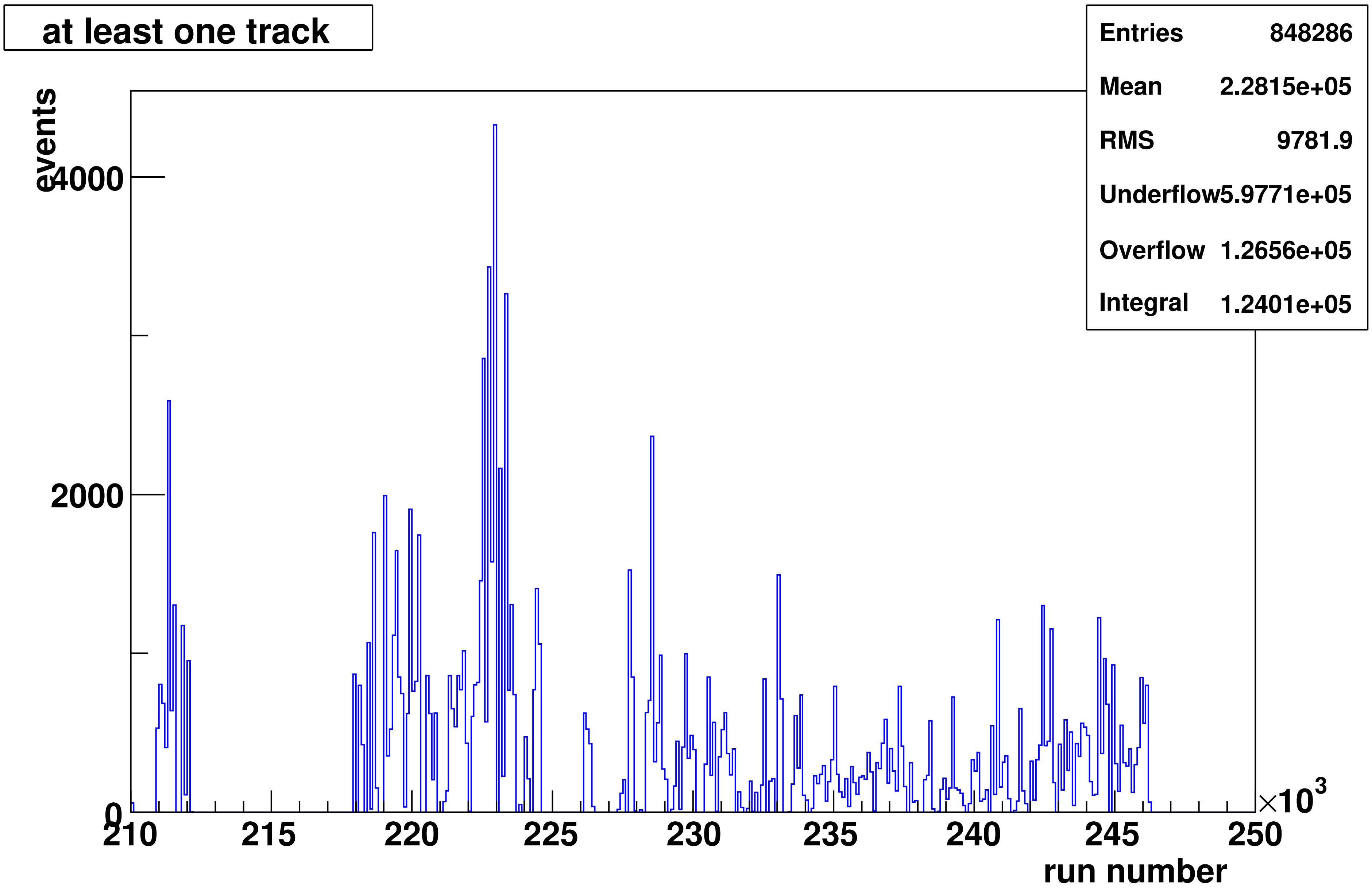


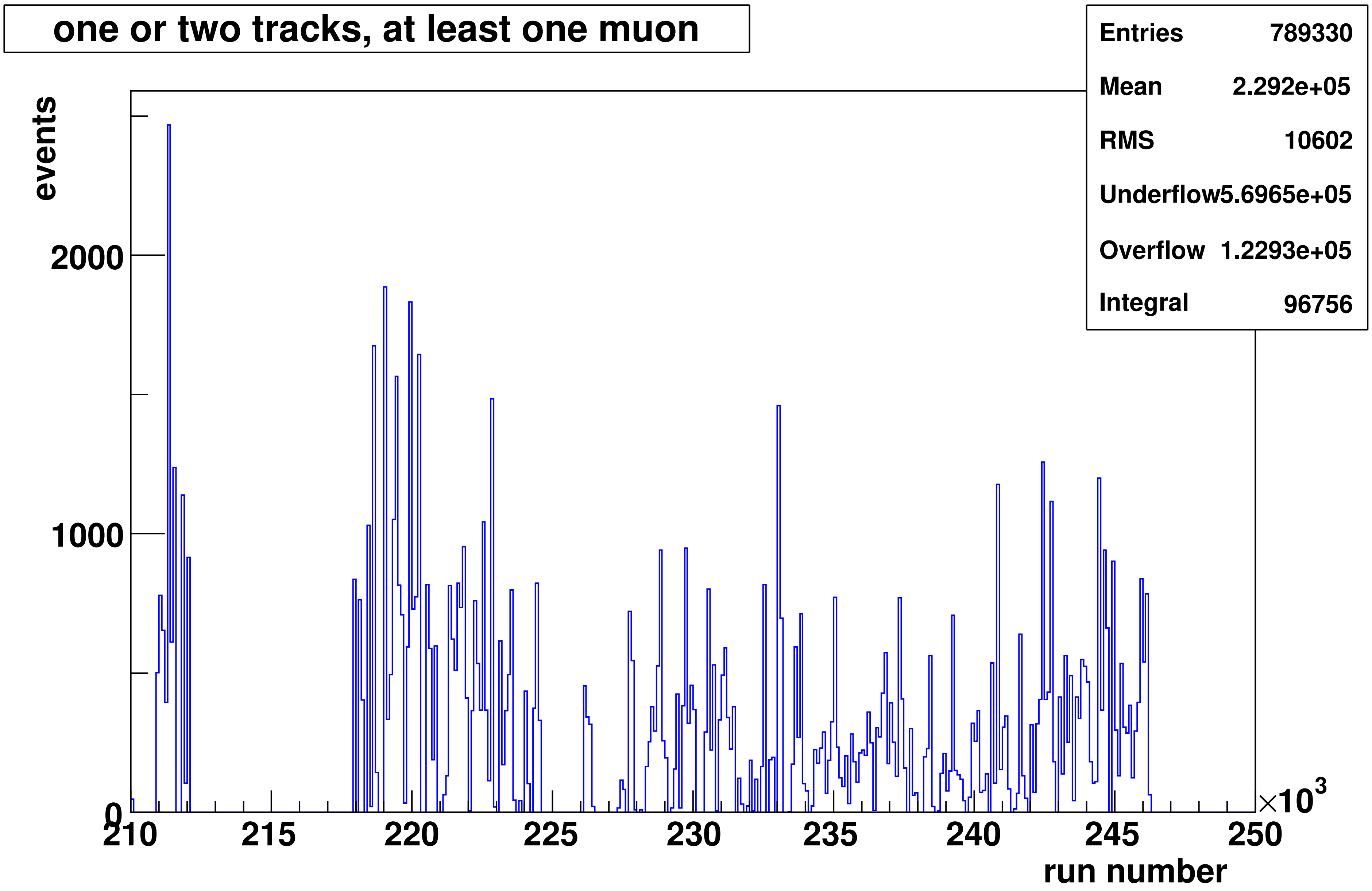
Entries 915390
Mean 1.5882
RMS 1.5304
Underflow 0
Overflow 22975
Integral 8.9242e+05
×10^3
events
400
200
0
0
20
40
60
80
100
120
140
N_tracks



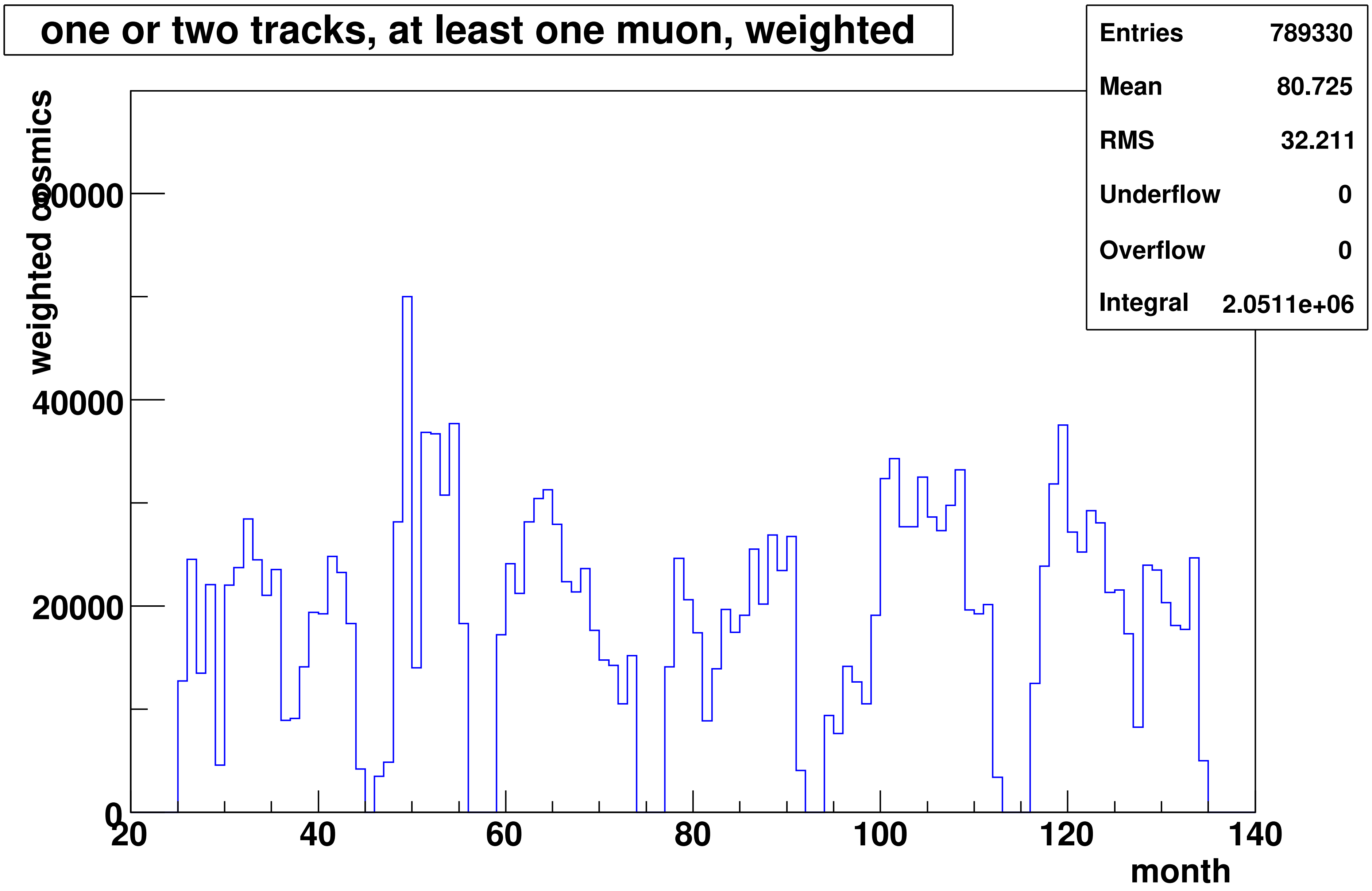
Entries 4.203166e+07
Mean 1.9665e+05
Mean y 32.812
RMS 44484
RMS y 13.044
Underflow 0
Overflow 0
Integral 4570.4
hit width (ns)
0
10
20
30
140
160
180
200
220
240
260
280
300
320
$\times 10^3$
run number

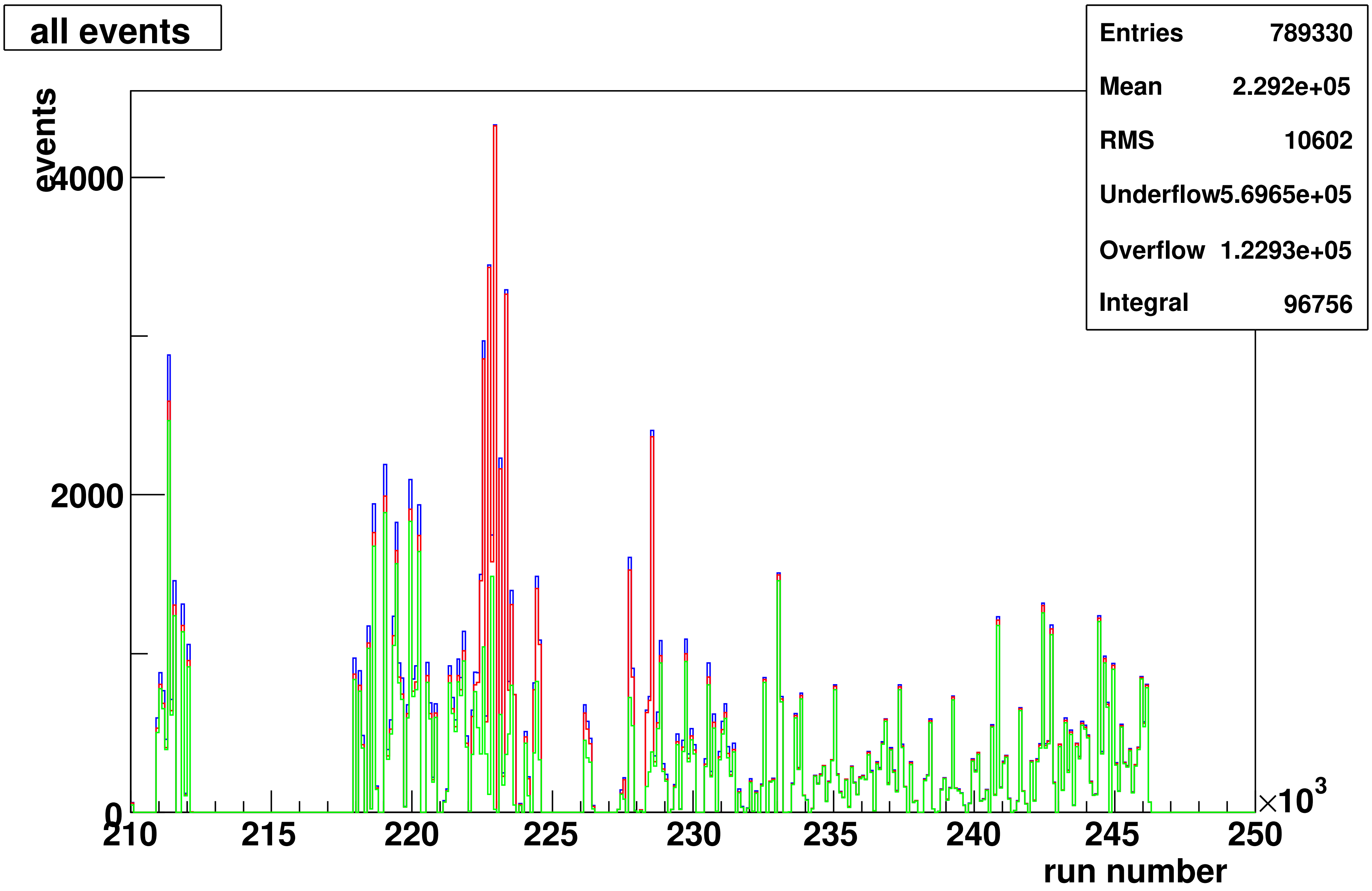

all events
Entries 915390
Mean 2.2788e+05
RMS 9759.5
Underflow 6.5637e+05
Overflow 1.2814e+05
Integral 1.3088e+05
events
0
2000
4000
210
215
220
225
230
235
240
245
250
×10³
run number

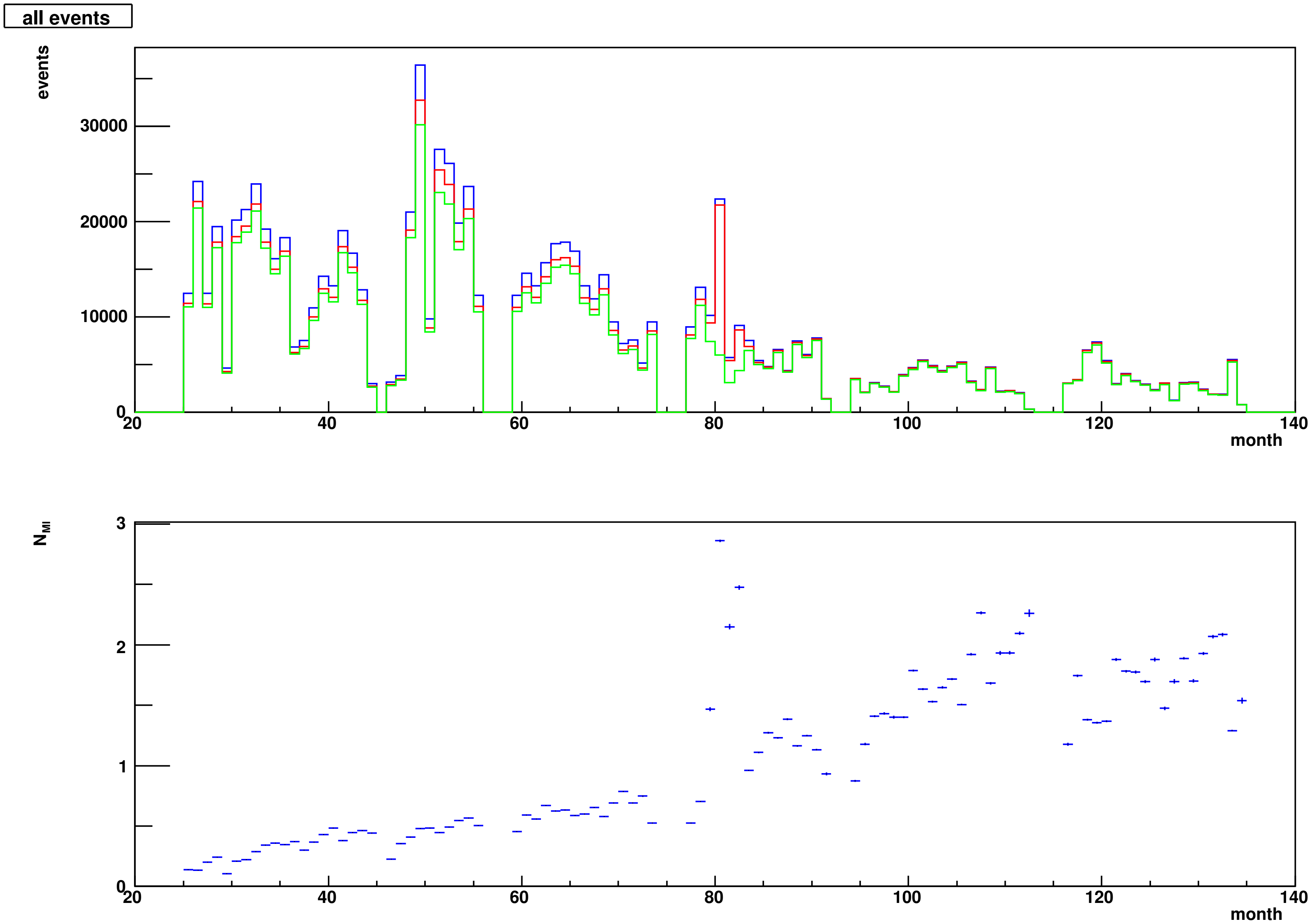

at least one track
Entries 848286
Mean 2.2815e+05
RMS 9781.9
Underflow 5.9771e+05
Overflow 1.2656e+05
Integral 1.2401e+05
events
0
2000
4000
210
215
220
225
230
235
240
245
250
$\times 10^{3}$
run number



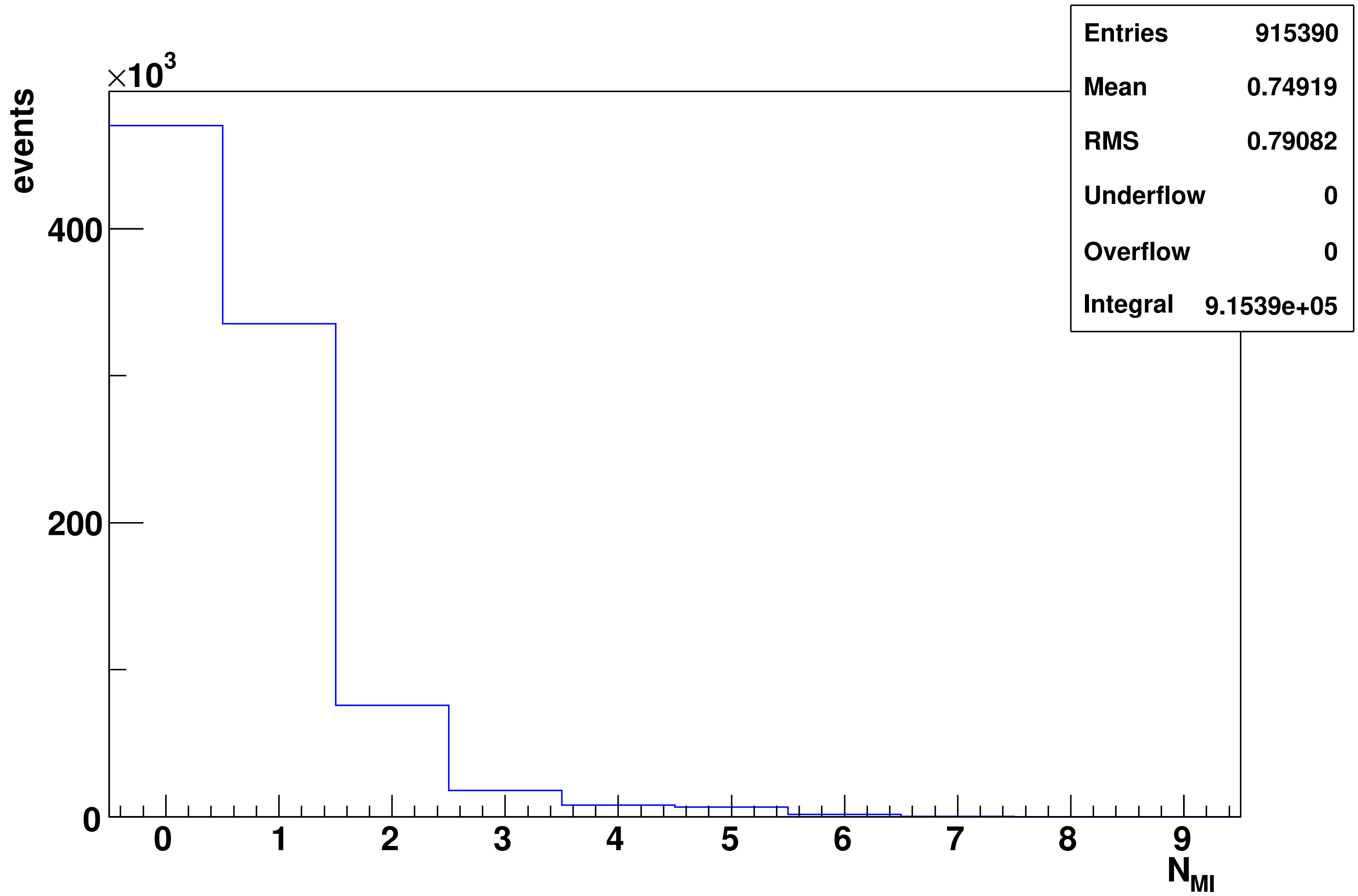
one or two tracks, at least one muon
Entries 789330
Mean 2.292e+05
RMS 10602
Underflow 5.6965e+05
Overflow 1.2293e+05
Integral 96756
events
2000
1000
0
210
215
220
225
230
235
240
245
250
$\times10^3$
run number


one or two tracks, at least one muon, weighted
Entries 789330
Mean 80.725
RMS 32.211
Underflow 0
Overflow 0
Integral 2.0511e+06
weighted cosmics
60000
40000
20000
0
20
40
60
80
100
120
140
month

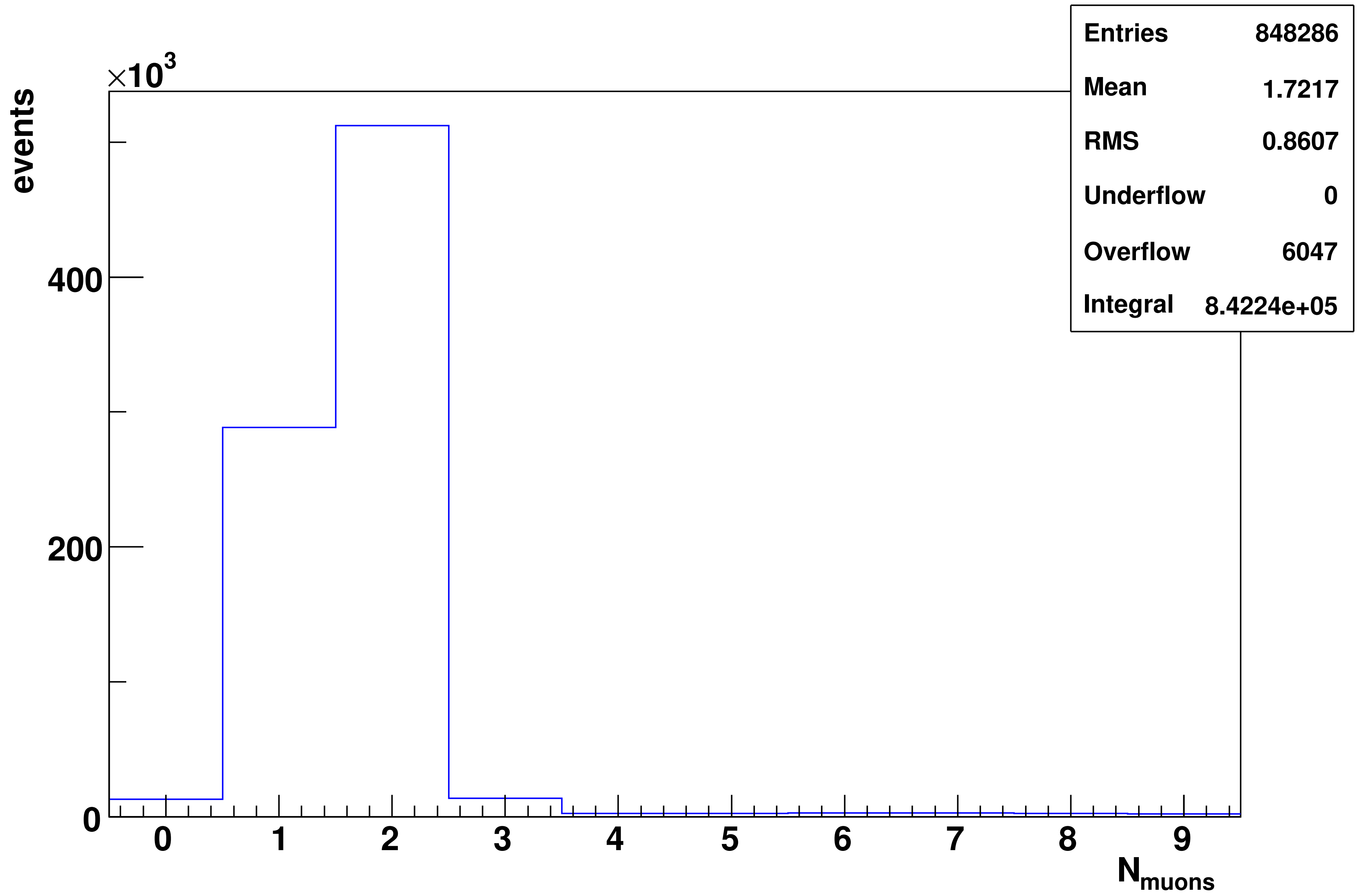

all events
Entries 789330
Mean 2.292e+05
RMS 10602
Underflow 5.6965e+05
Overflow 1.2293e+05
Integral 96756
events
0
2000
4000
210
215
220
225
230
235
240
245
250
×10^3
run number

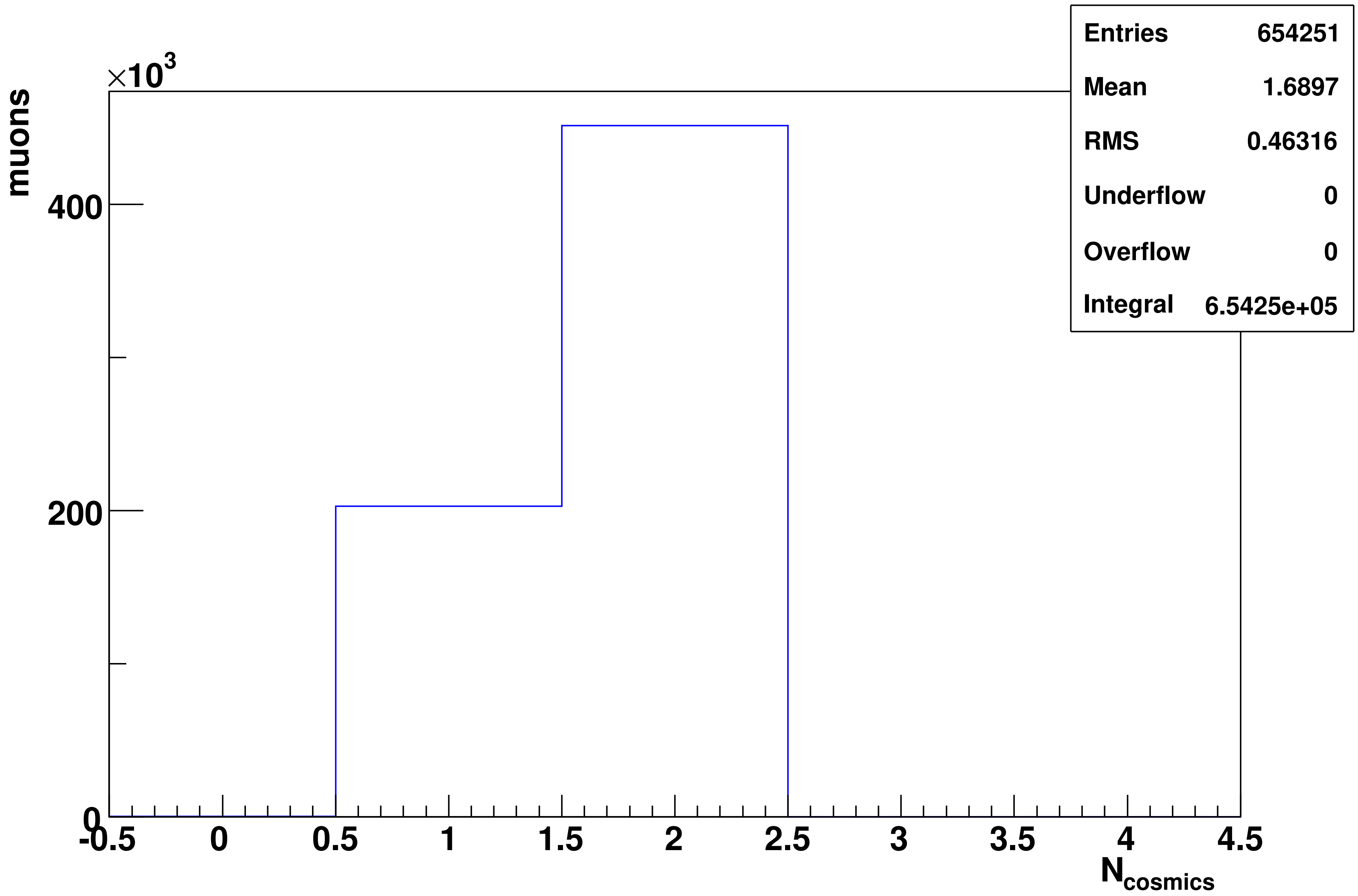


all events
events
30000
20000
10000
0
20
40
60
80
100
120
140
month
N_{MI}
3
2
1
0
20
40
60
80
100
120
140
month

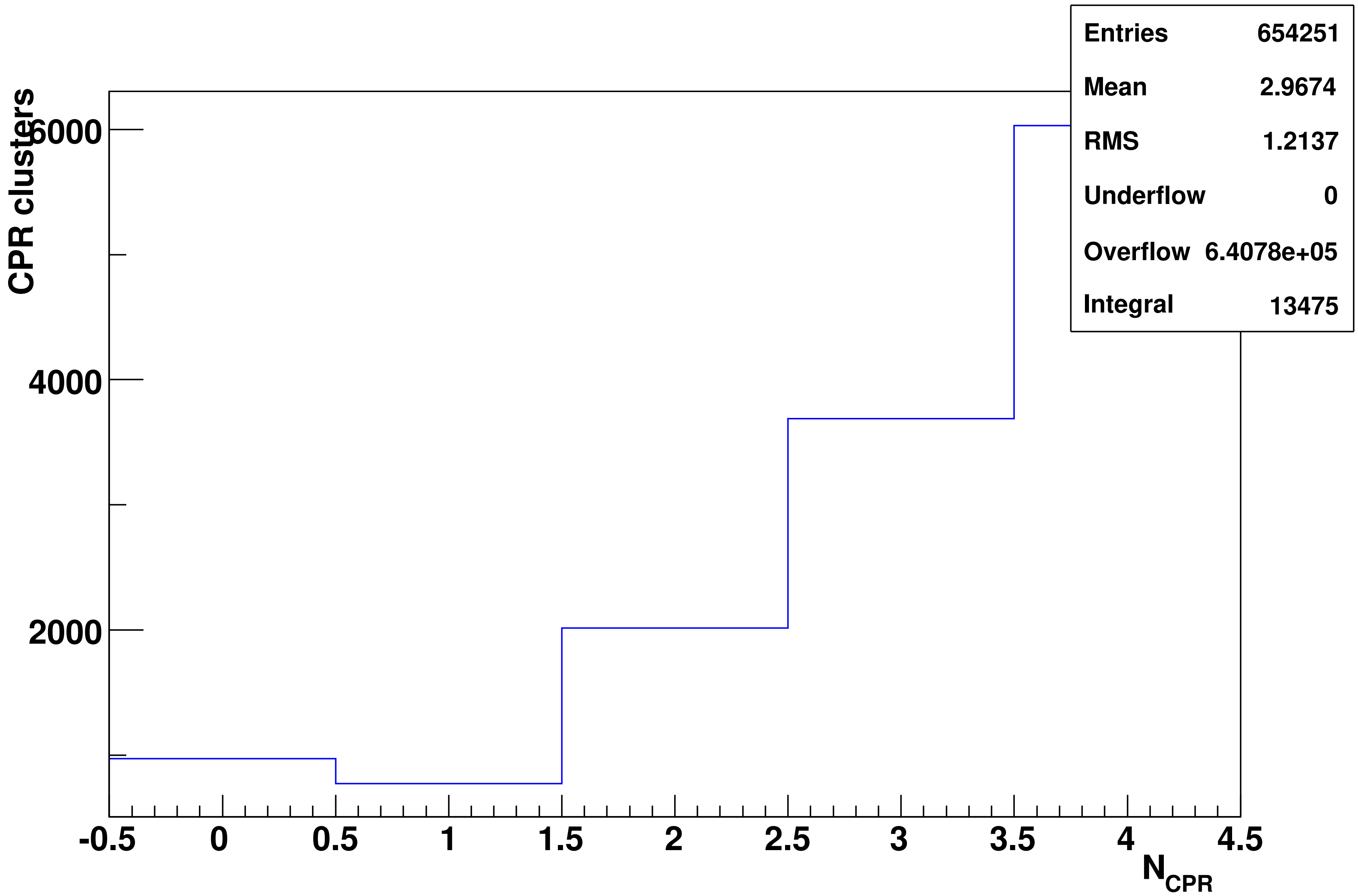


Entries 915390
Mean 0.74919
RMS 0.79082
Underflow 0
Overflow 0
Integral 9.1539e+05
×10^3
events
400
200
0
0 1 2 3 4 5 6 7 8 9
N_MI

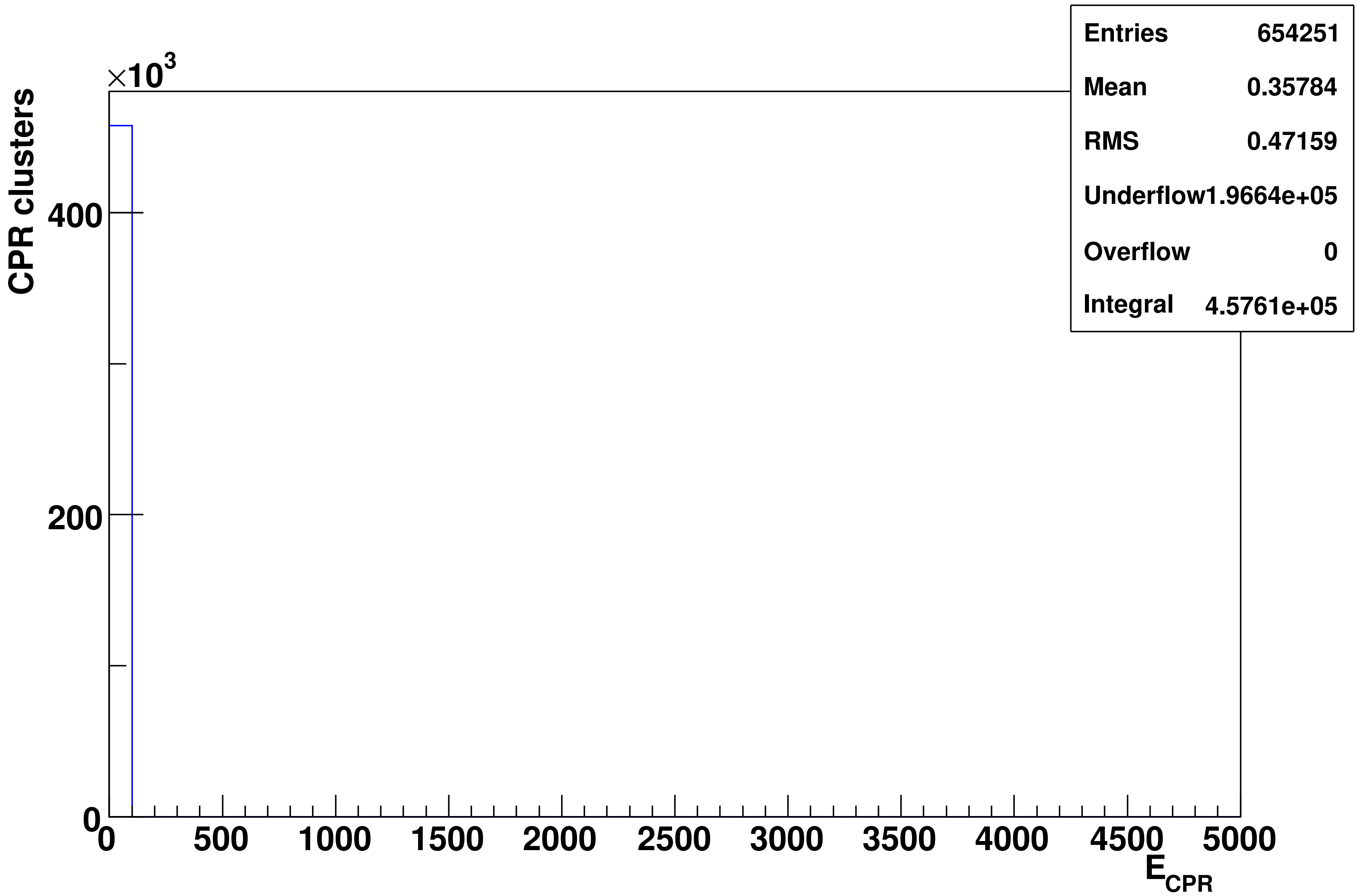

Entries 848286
Mean 1.7217
RMS 0.8607
Underflow 0
Overflow 6047
Integral 8.4224e+05
$\times 10^3$
events
400
200
0
0 1 2 3 4 5 6 7 8 9
N_{muons}



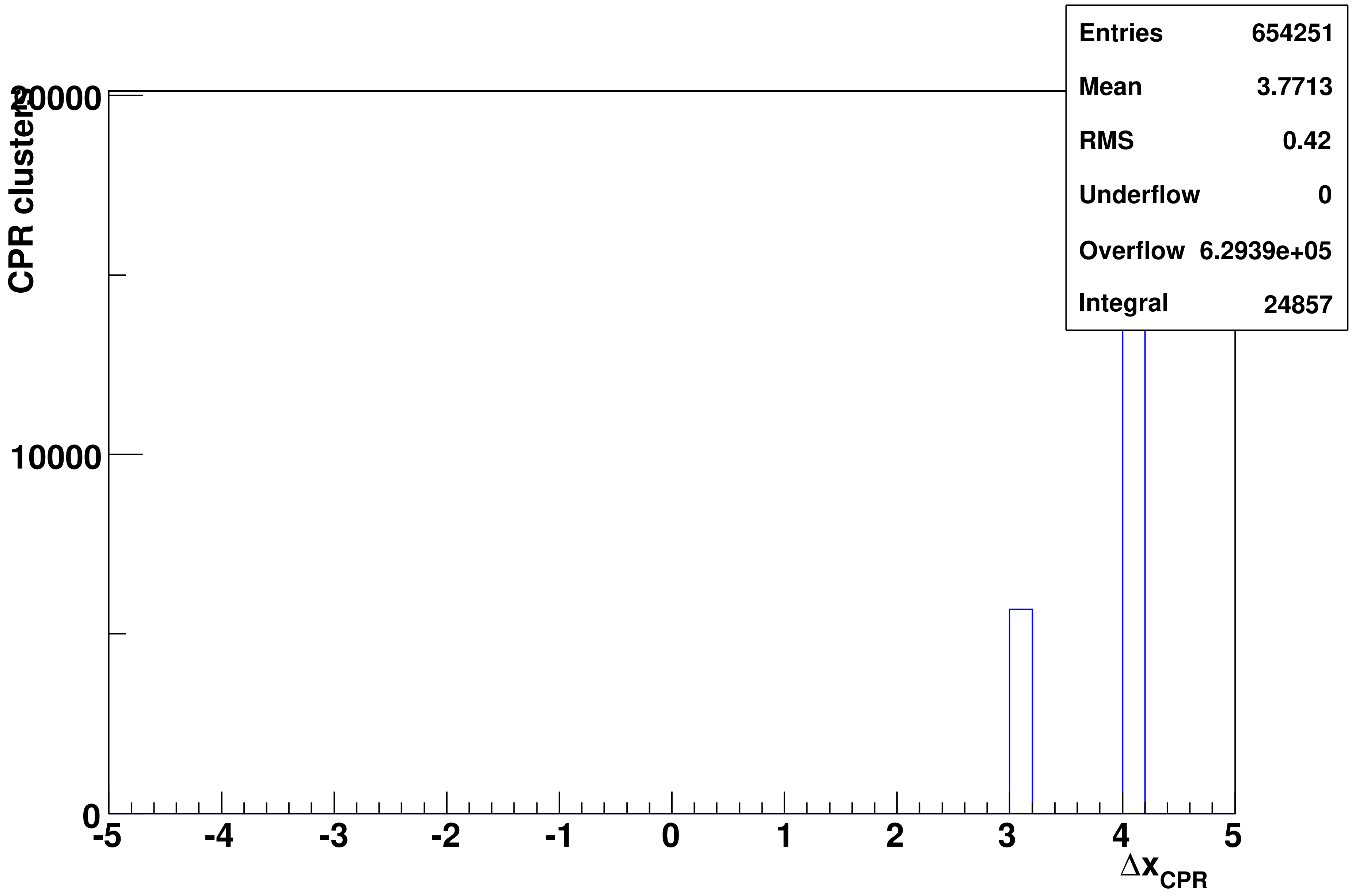
Entries 654251
Mean 1.6897
RMS 0.46316
Underflow 0
Overflow 0
Integral 6.5425e+05
×10^3
muons
400
200
0
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_cosmics



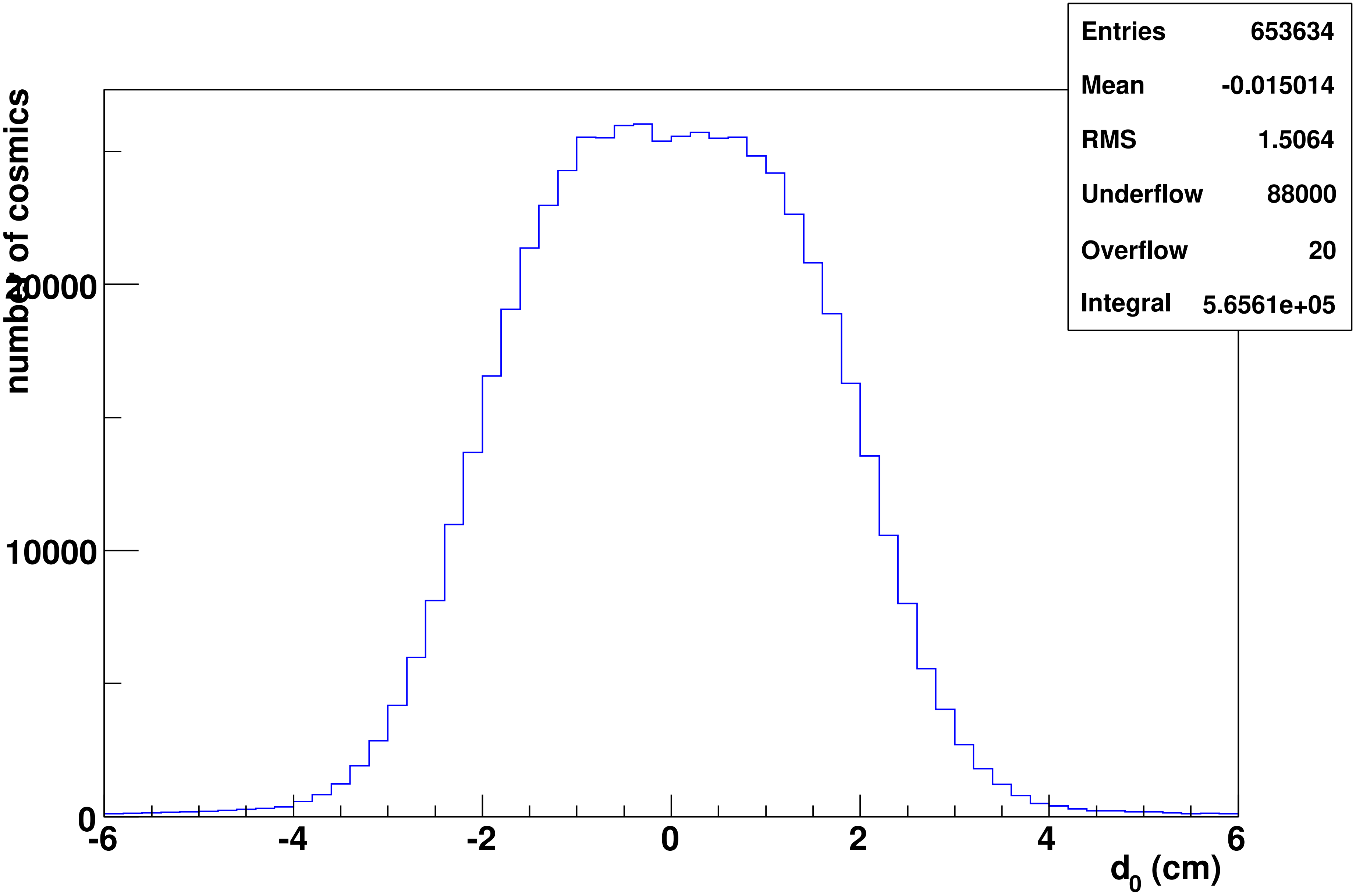
Entries 654251
Mean 2.9674
RMS 1.2137
Underflow 0
Overflow 6.4078e+05
Integral 13475
CPR clusters
6000
4000
2000
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_CPR



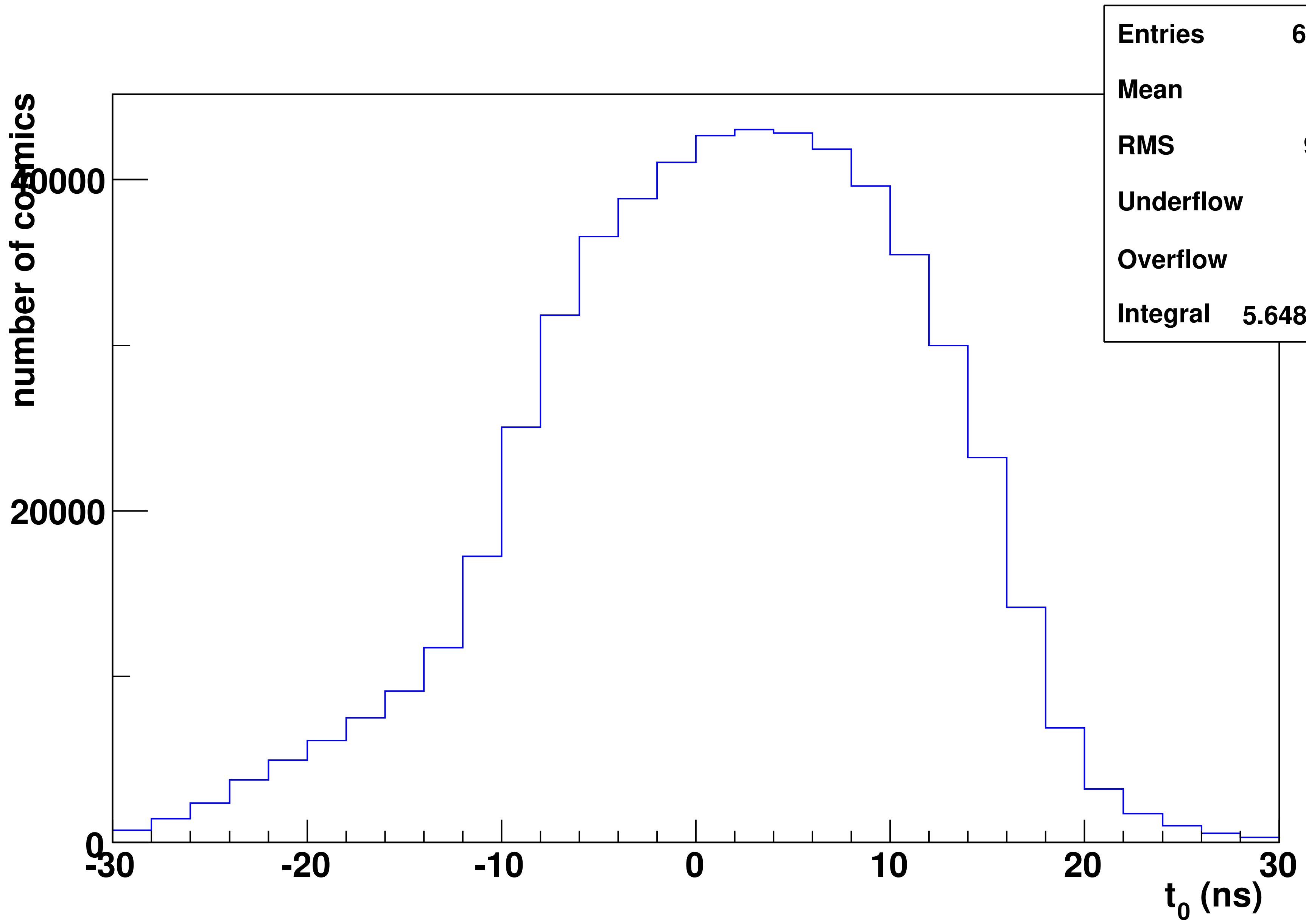
Entries 654251
Mean 0.35784
RMS 0.47159
Underflow 1.9664e+05
Overflow 0
Integral 4.5761e+05
$\times 10^3$
CPR clusters
400
200
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
E_{CPR}



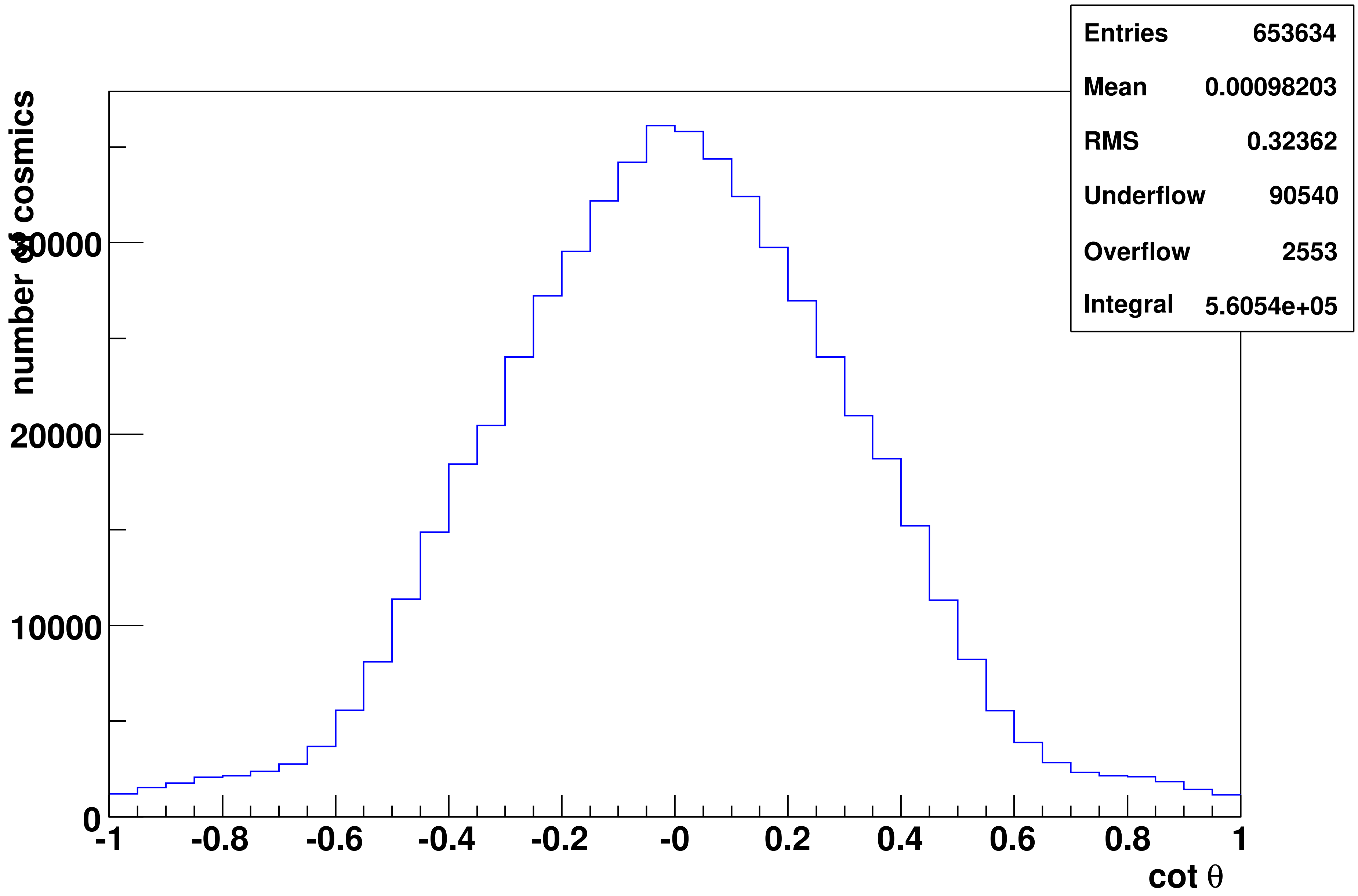
Entries 654251
Mean 3.7713
RMS 0.42
Underflow 0
Overflow 6.2939e+05
Integral 24857
CPR clusters
20000
10000
0
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δx_{CPR}



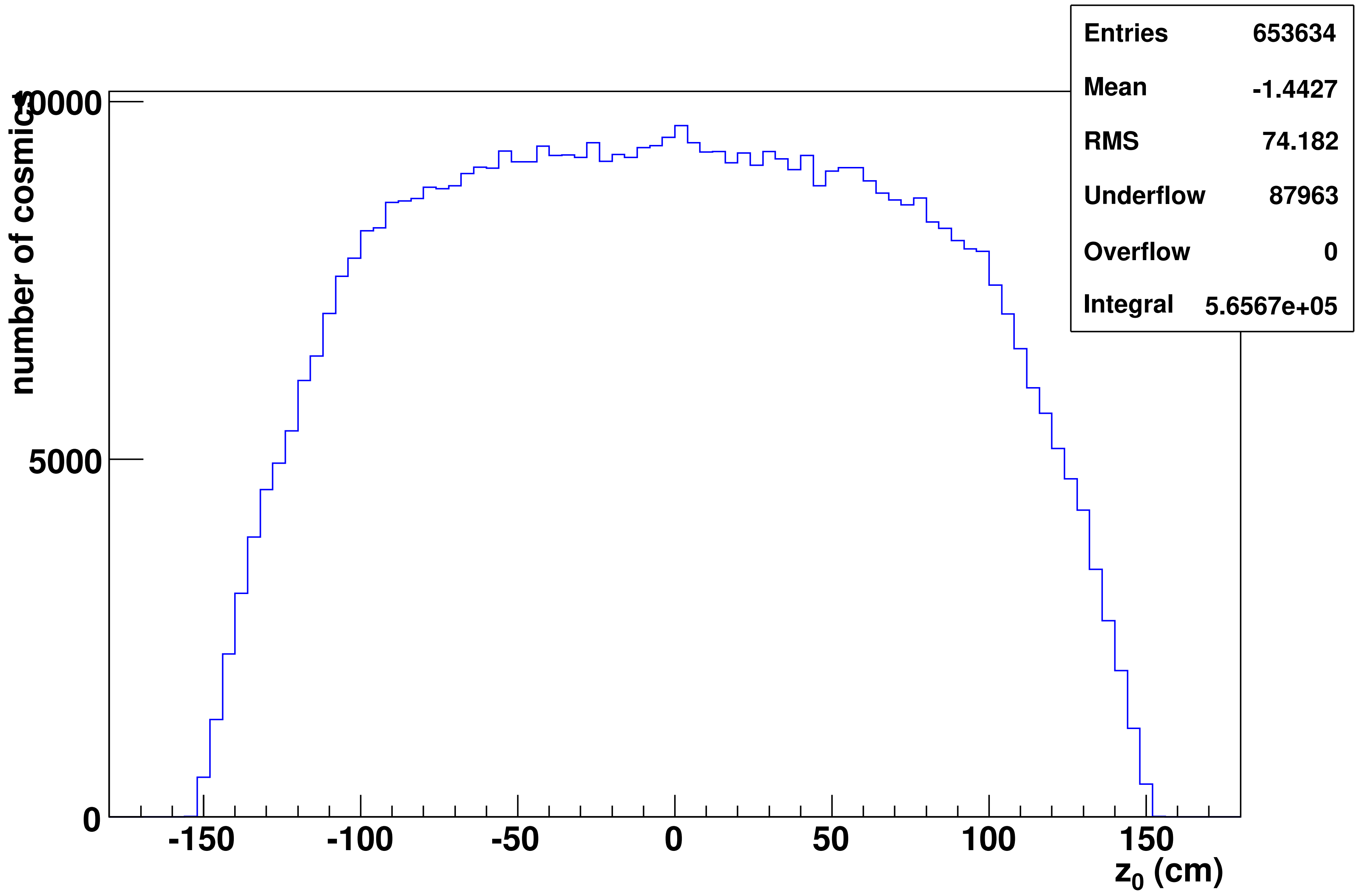
Entries 653634
Mean -0.015014
RMS 1.5064
Underflow 88000
Overflow 20
Integral 5.6561e+05
number of cosmics
20000
10000
0
-6
-4
-2
0
2
4
6
d0 (cm)

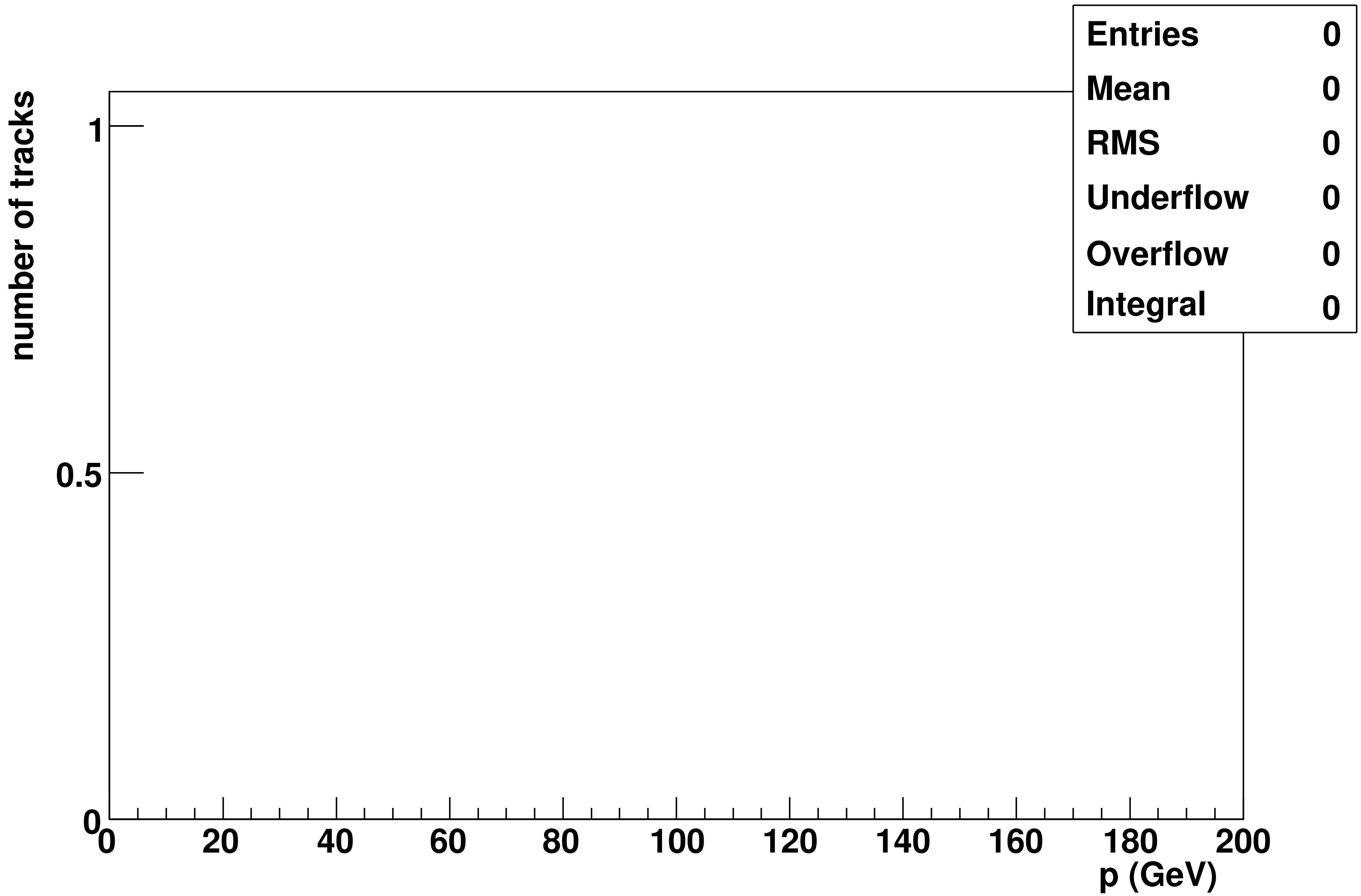


Entries 653634
Mean 1.536
RMS 9.6621
Underflow 88490
Overflow 254
Integral 5.6489e+05
number of cosmics
40000
20000
0
-30
-20
-10
0
10
20
30
t_0 (ns)

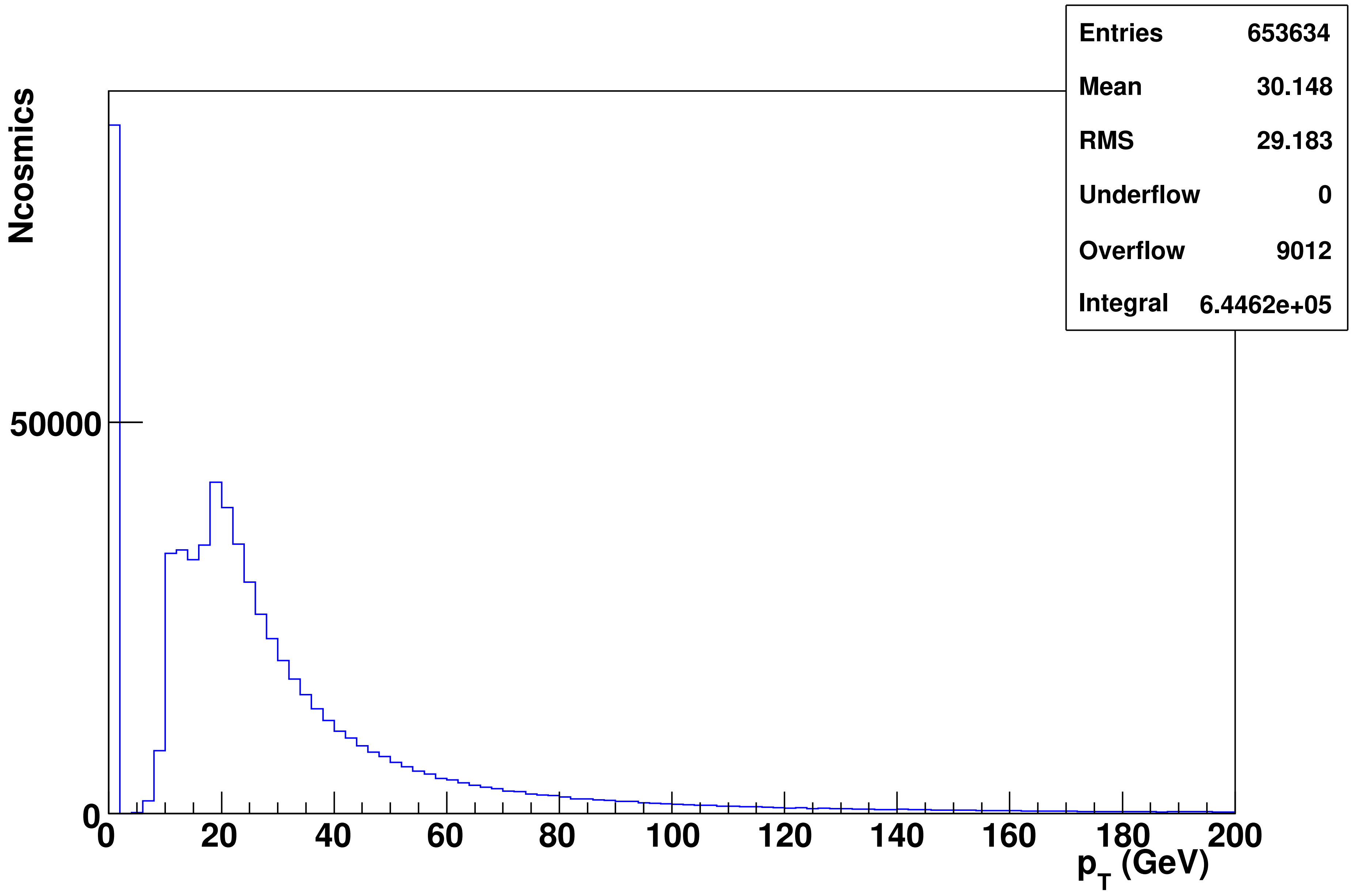


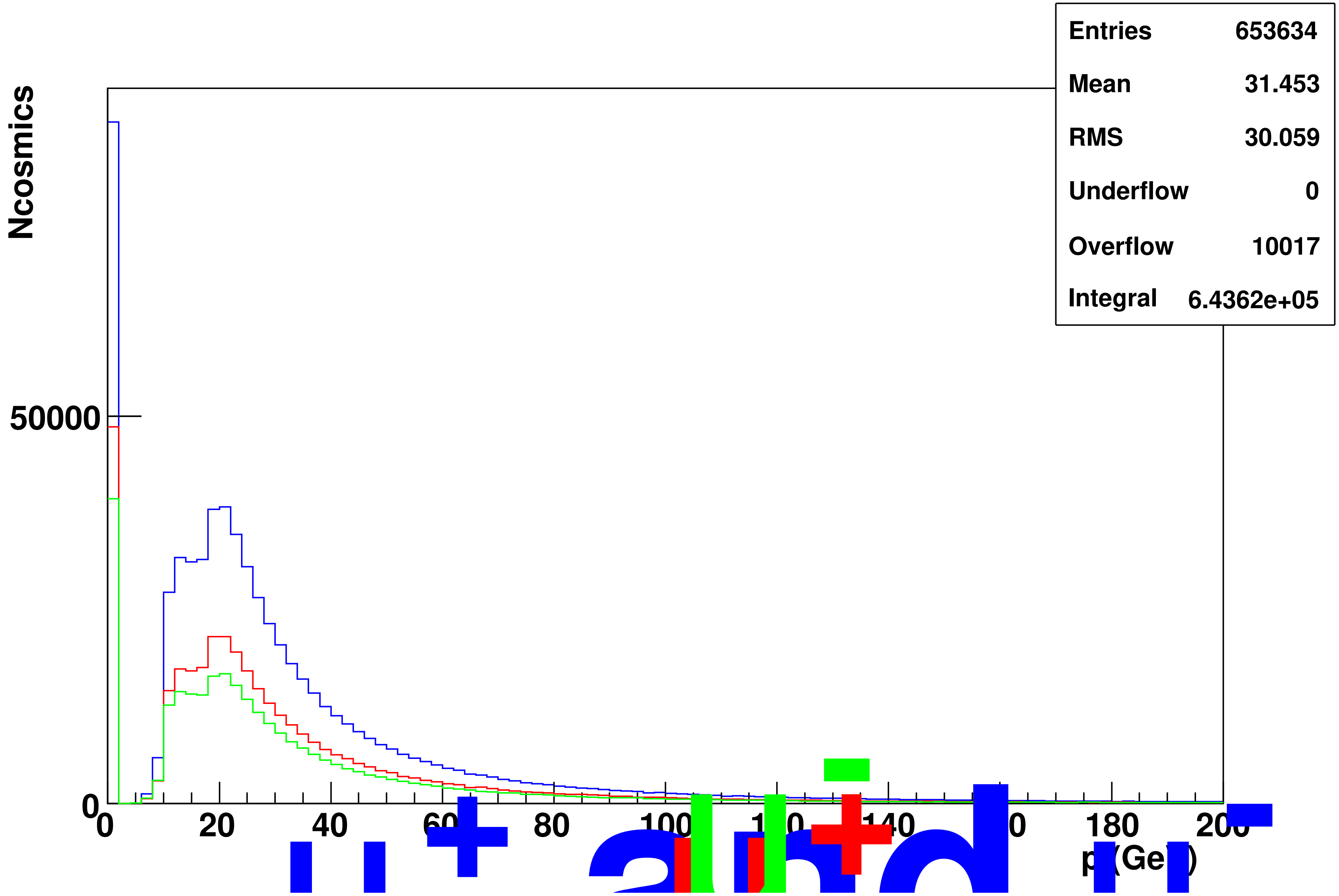
Entries 653634
Mean 0.00098203
RMS 0.32362
Underflow 90540
Overflow 2553
Integral 5.6054e+05
number of cosmics
0
10000
20000
30000
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
cot θ

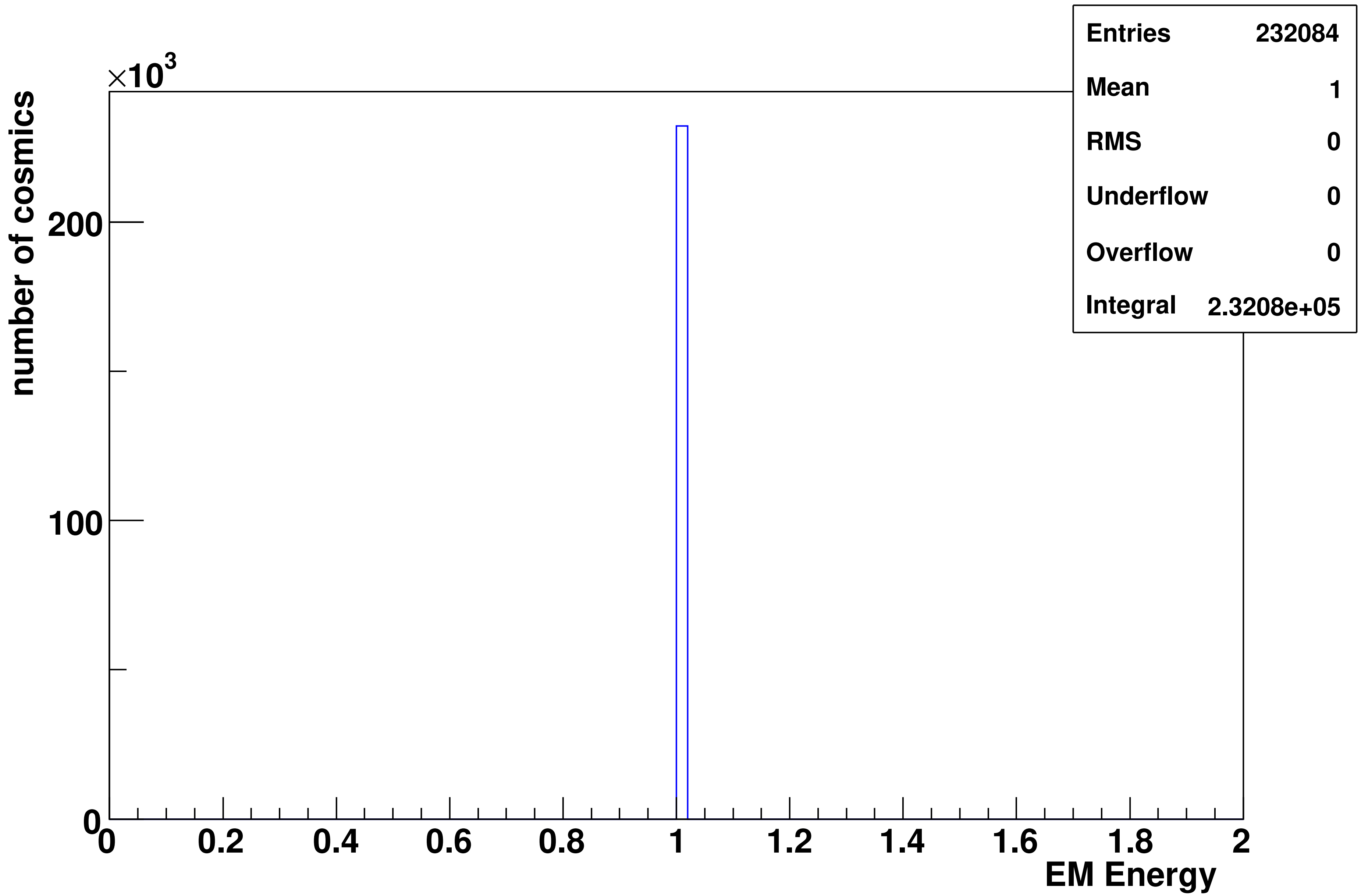

Entries 653634
Mean -1.4427
RMS 74.182
Underflow 87963
Overflow 0
Integral 5.6567e+05
number of cosmics
10000
5000
0
-150
-100
-50
0
50
100
150
z_0 (cm)



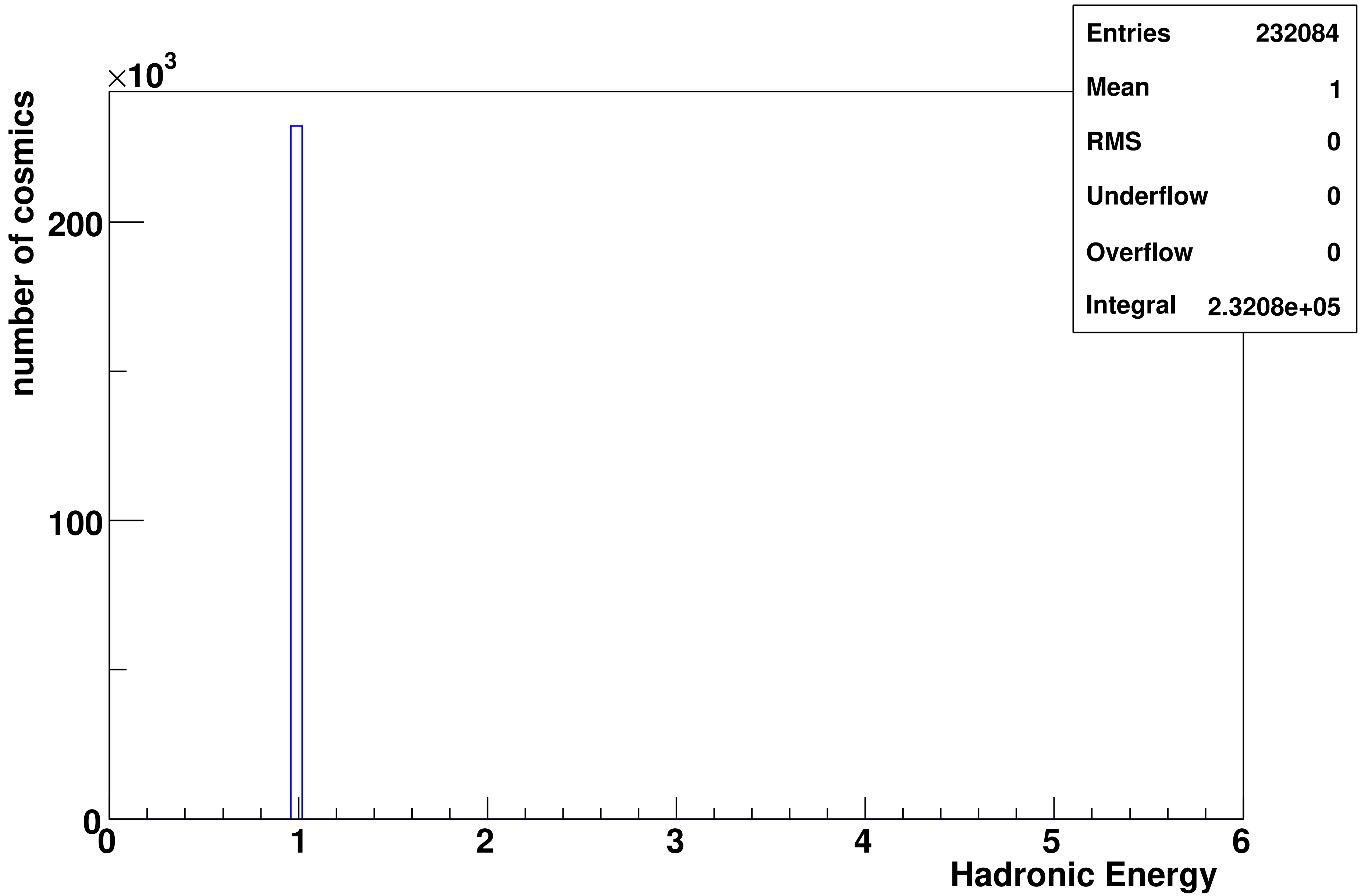
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
number of tracks
1
0.5
0
0
20
40
60
80
100
120
140
160
180
200
p (GeV)


Entries 653634
Mean 30.148
RMS 29.183
Underflow 0
Overflow 9012
Integral 6.4462e+05
Ncosmics
50000
0
0
20
40
60
80
100
120
140
160
180
200
p_T (GeV)

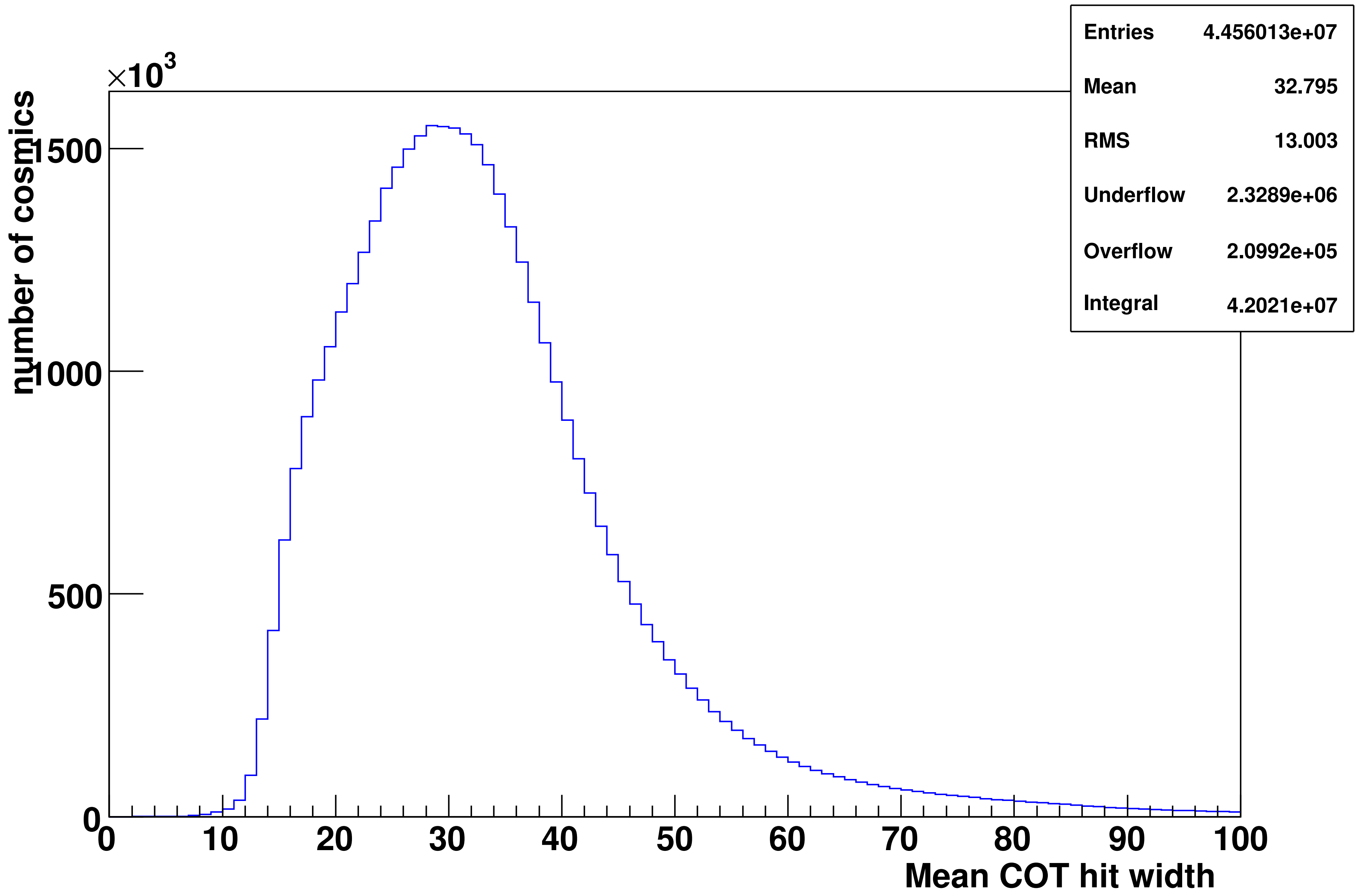

Entries 653634
Mean 31.453
RMS 30.059
Underflow 0
Overflow 10017
Integral 6.4362e+05
Ncosmics
50000
0
20
40
80
140
180



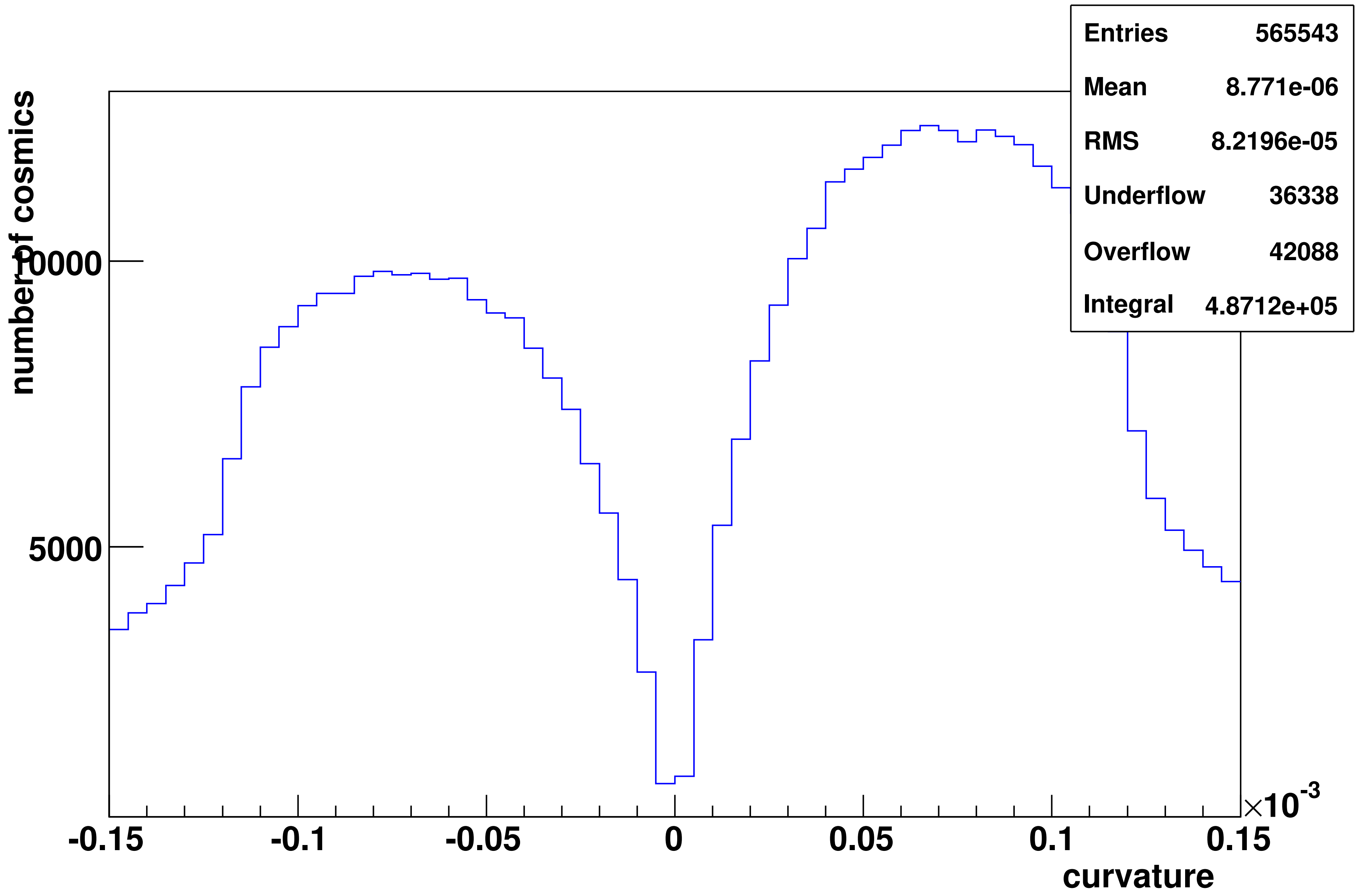
Entries 232084
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.3208e+05
×10^3
number of cosmics
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
EM Energy



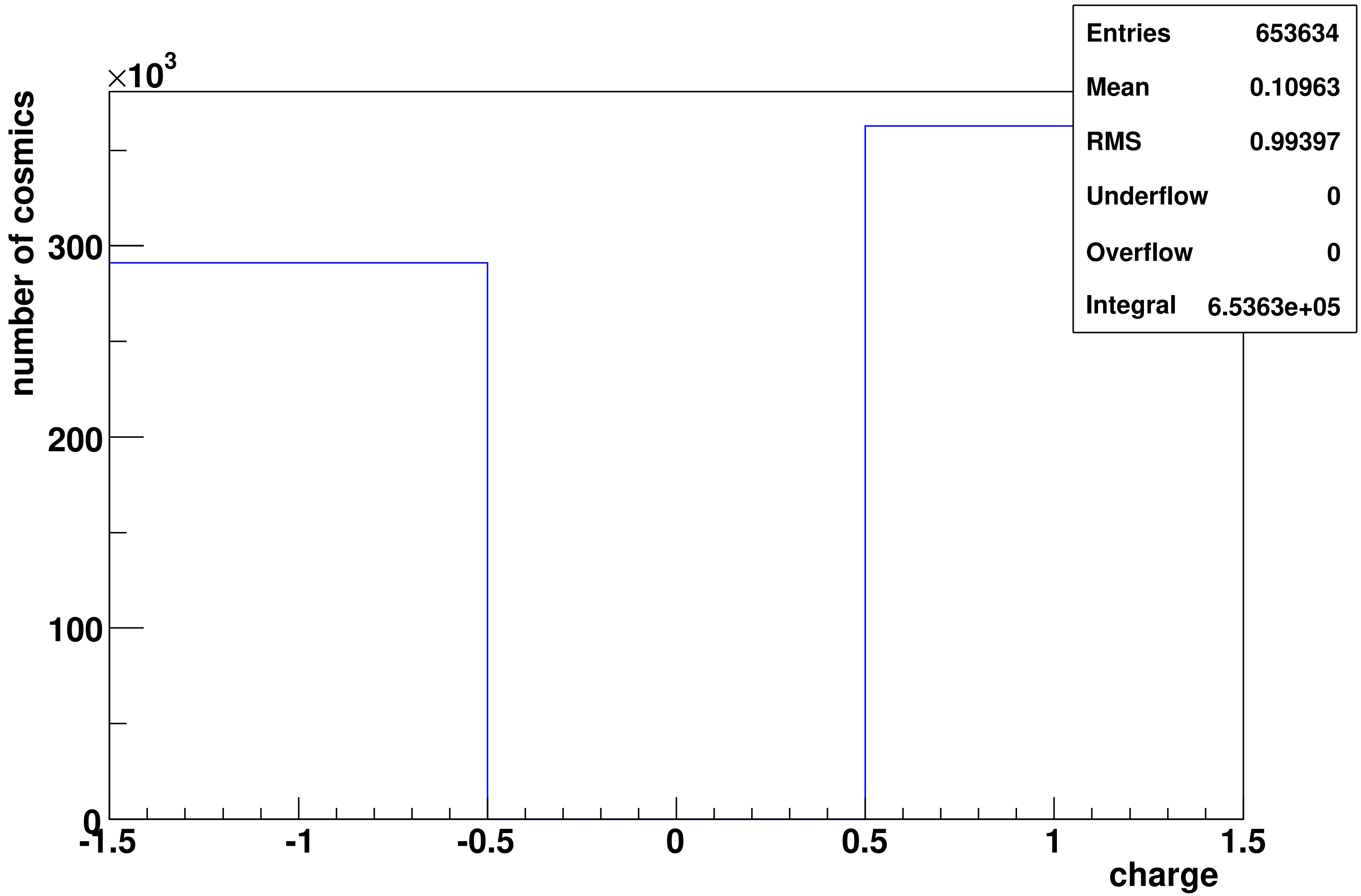
Entries 232084
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.3208e+05
×10^3
number of cosmics
200
100
0
0
1
2
3
4
5
6
Hadronic Energy



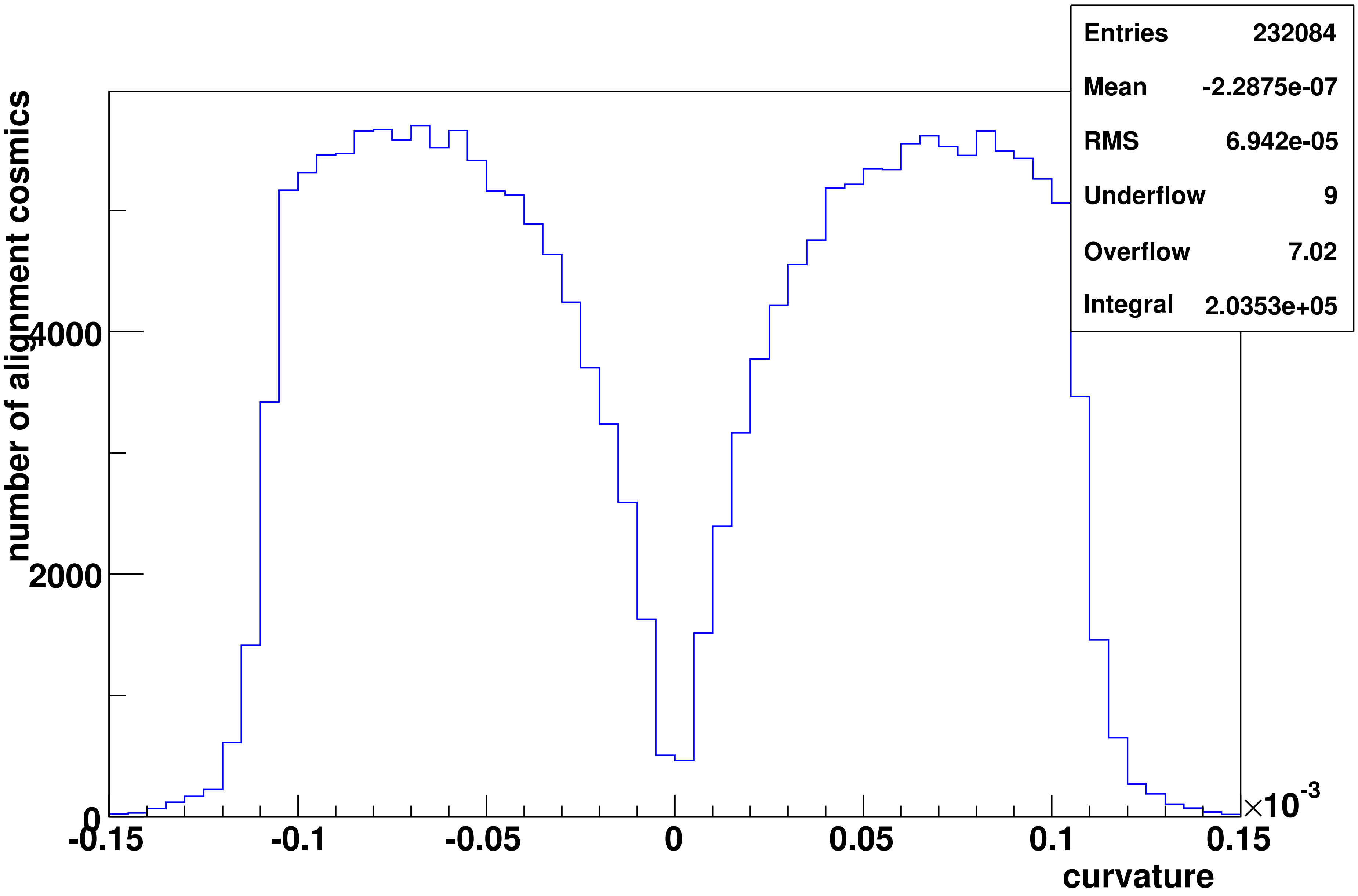
Entries 4.456013e+07
Mean 32.795
RMS 13.003
Underflow 2.3289e+06
Overflow 2.0992e+05
Integral 4.2021e+07
×10^3
number of cosmics
1500
1000
500
0
0
10
20
30
40
50
60
70
80
90
100
Mean COT hit width



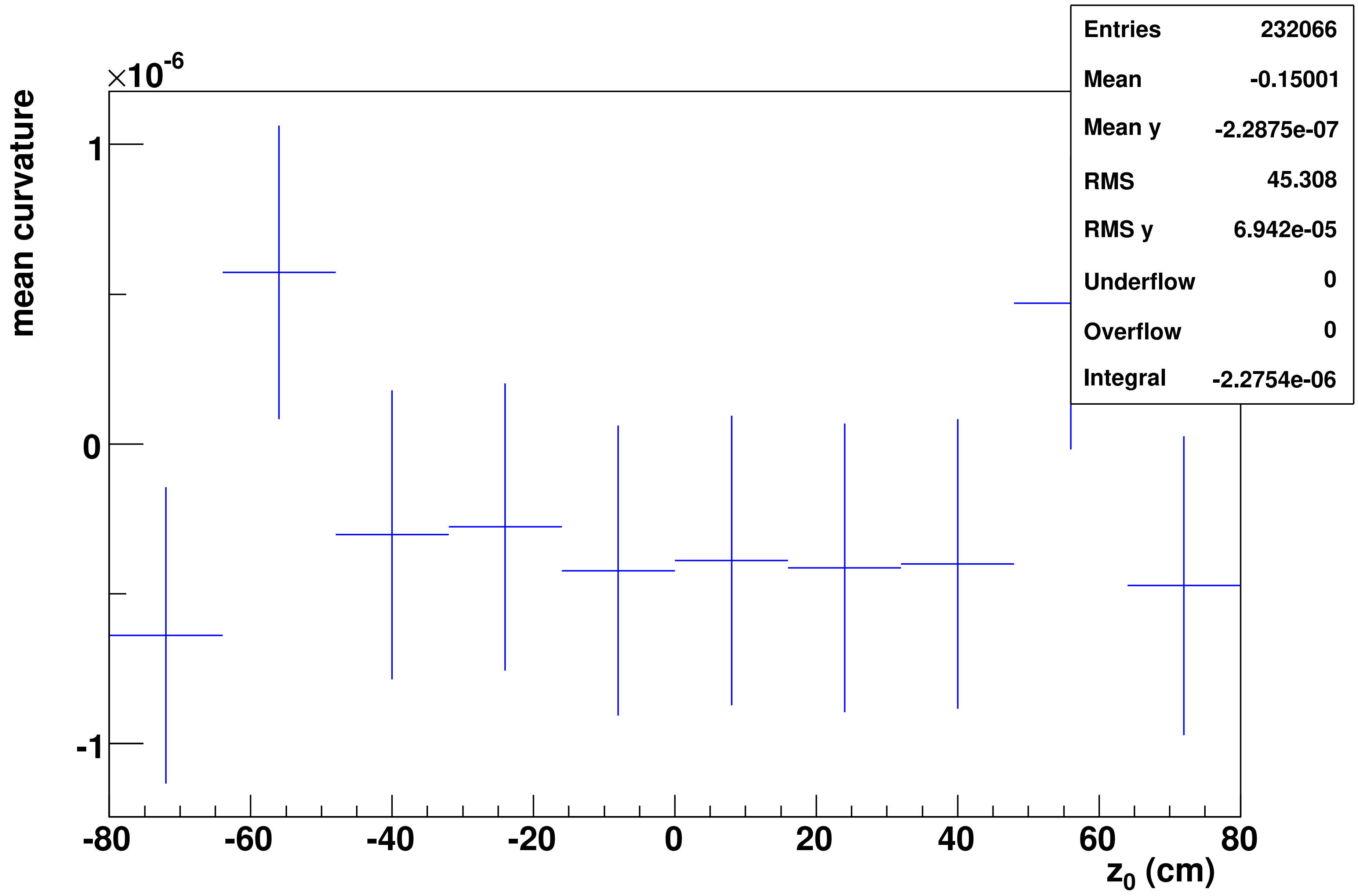
Entries 565543
Mean 8.771e-06
RMS 8.2196e-05
Underflow 36338
Overflow 42088
Integral 4.8712e+05
number of cosmics
10000
5000
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
×10^-3
curvature



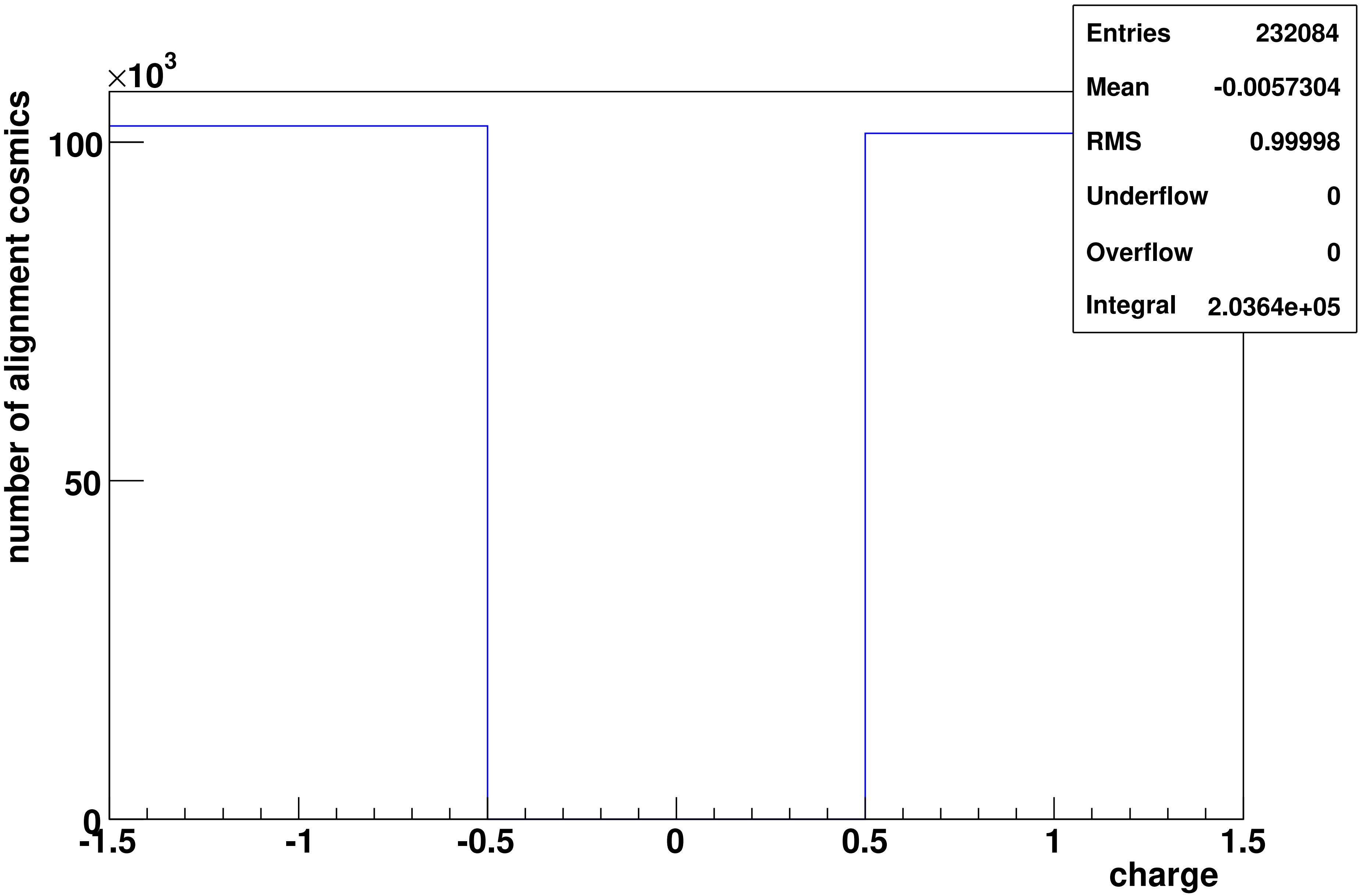
Entries 653634
Mean 0.10963
RMS 0.99397
Underflow 0
Overflow 0
Integral 6.5363e+05
×10^3
number of cosmics
300
200
100
0
-1.5
-1
-0.5
0
0.5
1
1.5
charge



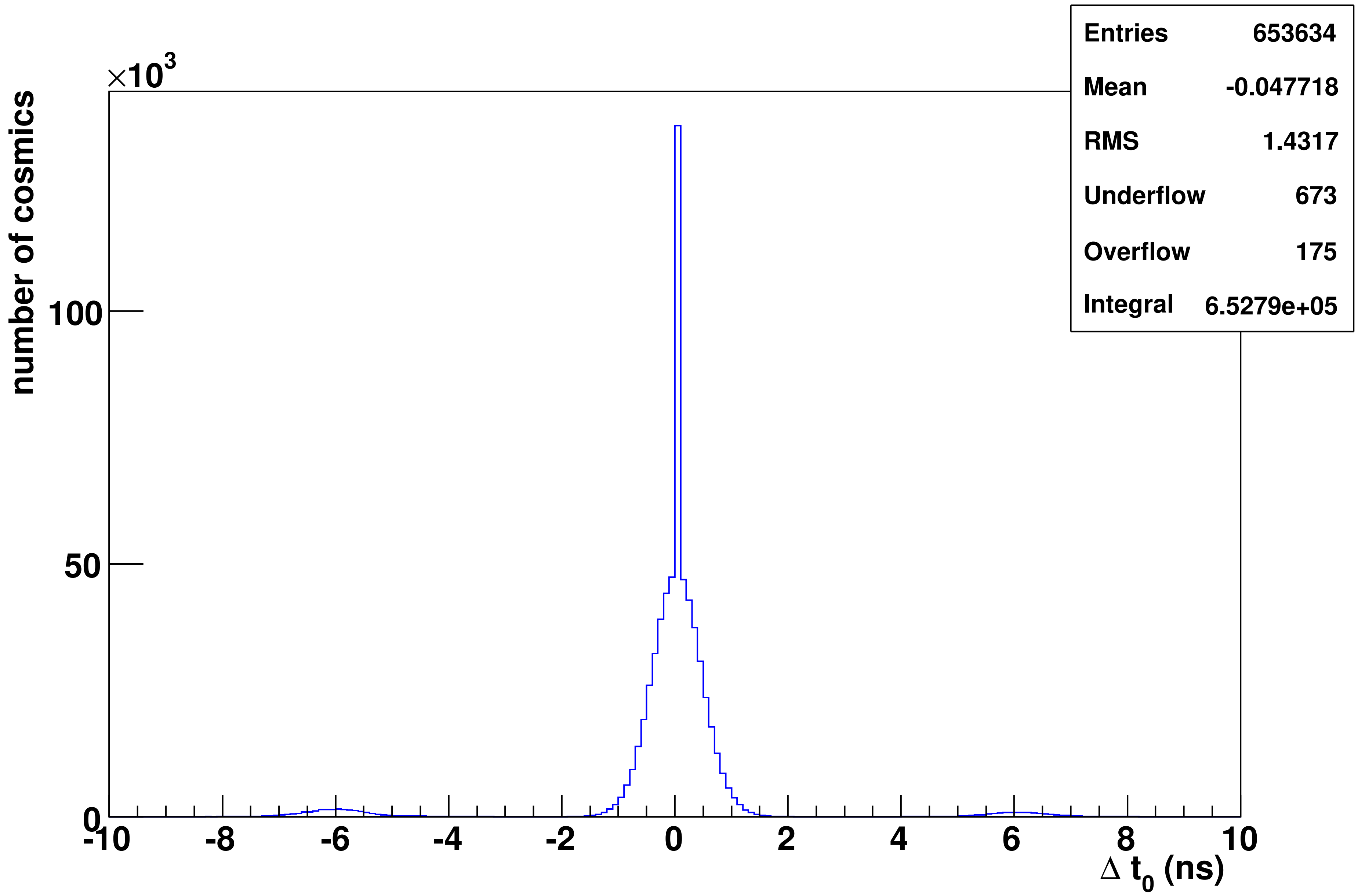
Entries 232084
Mean -2.2875e-07
RMS 6.942e-05
Underflow 9
Overflow 7.02
Integral 2.0353e+05
number of alignment cosmics
0
2000
4000
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
×10-3
curvature



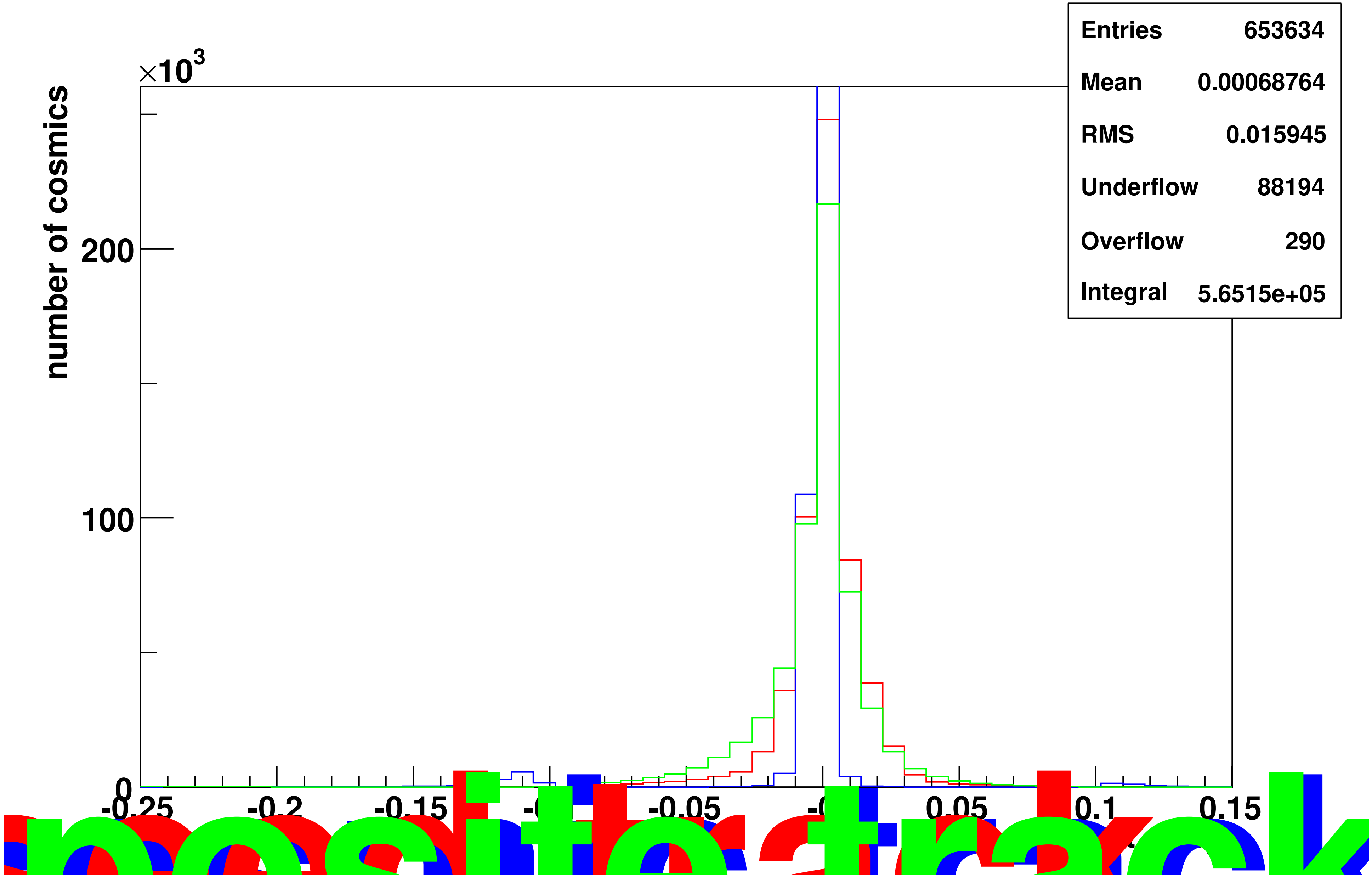
Entries 232066
Mean -0.15001
Mean y -2.2875e-07
RMS 45.308
RMS y 6.942e-05
Underflow 0
Overflow 0
Integral -2.2754e-06
$\times 10^{-6}$
mean curvature
1
0
-1
-80
-60
-40
-20
0
20
40
60
80
z_0 (cm)



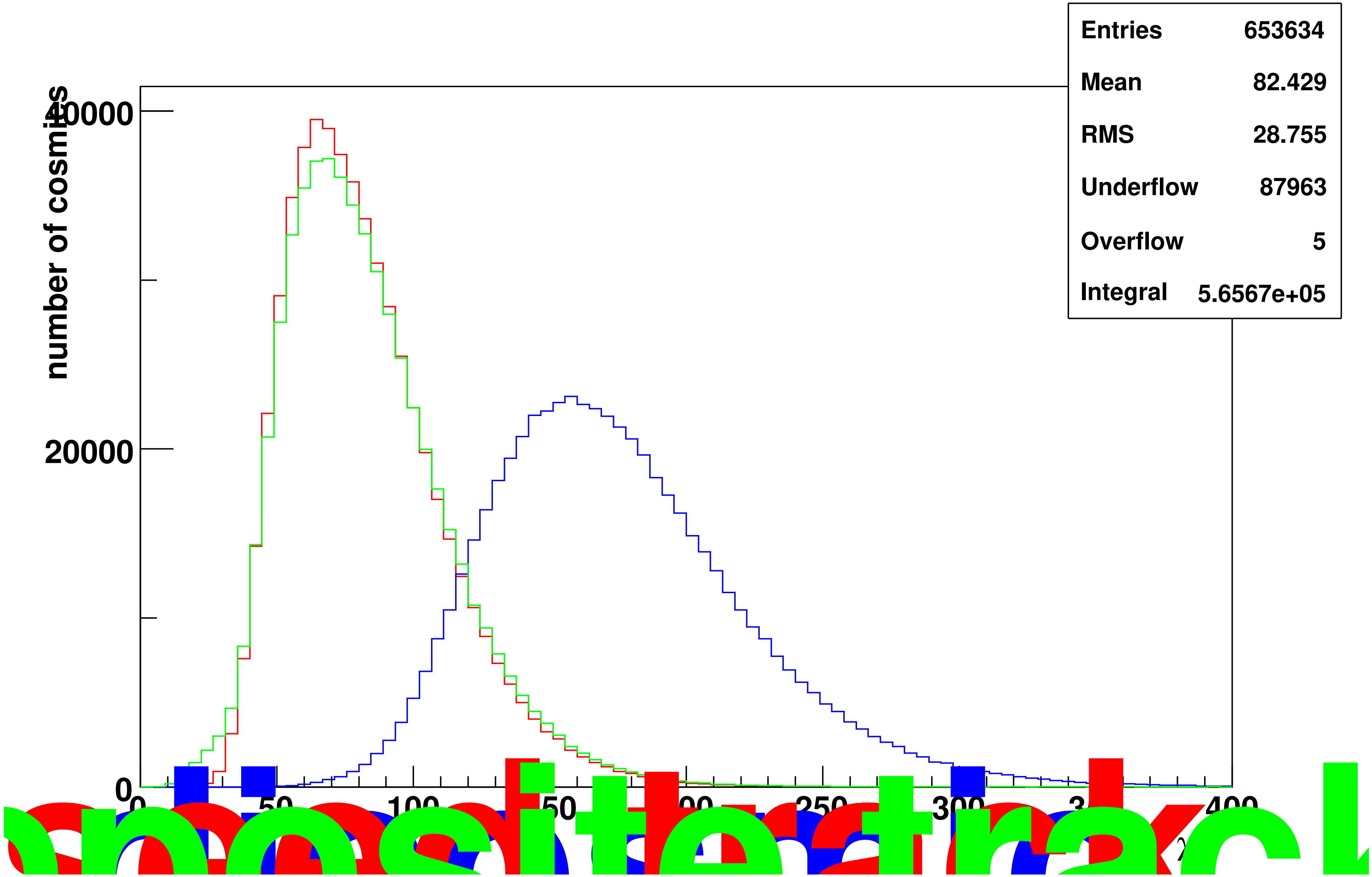
Entries 232084
Mean -0.0057304
RMS 0.99998
Underflow 0
Overflow 0
Integral 2.0364e+05
$\times10^3$
100
50
0
number of alignment cosmics
-1.5
-1
-0.5
0
0.5
1
1.5
charge



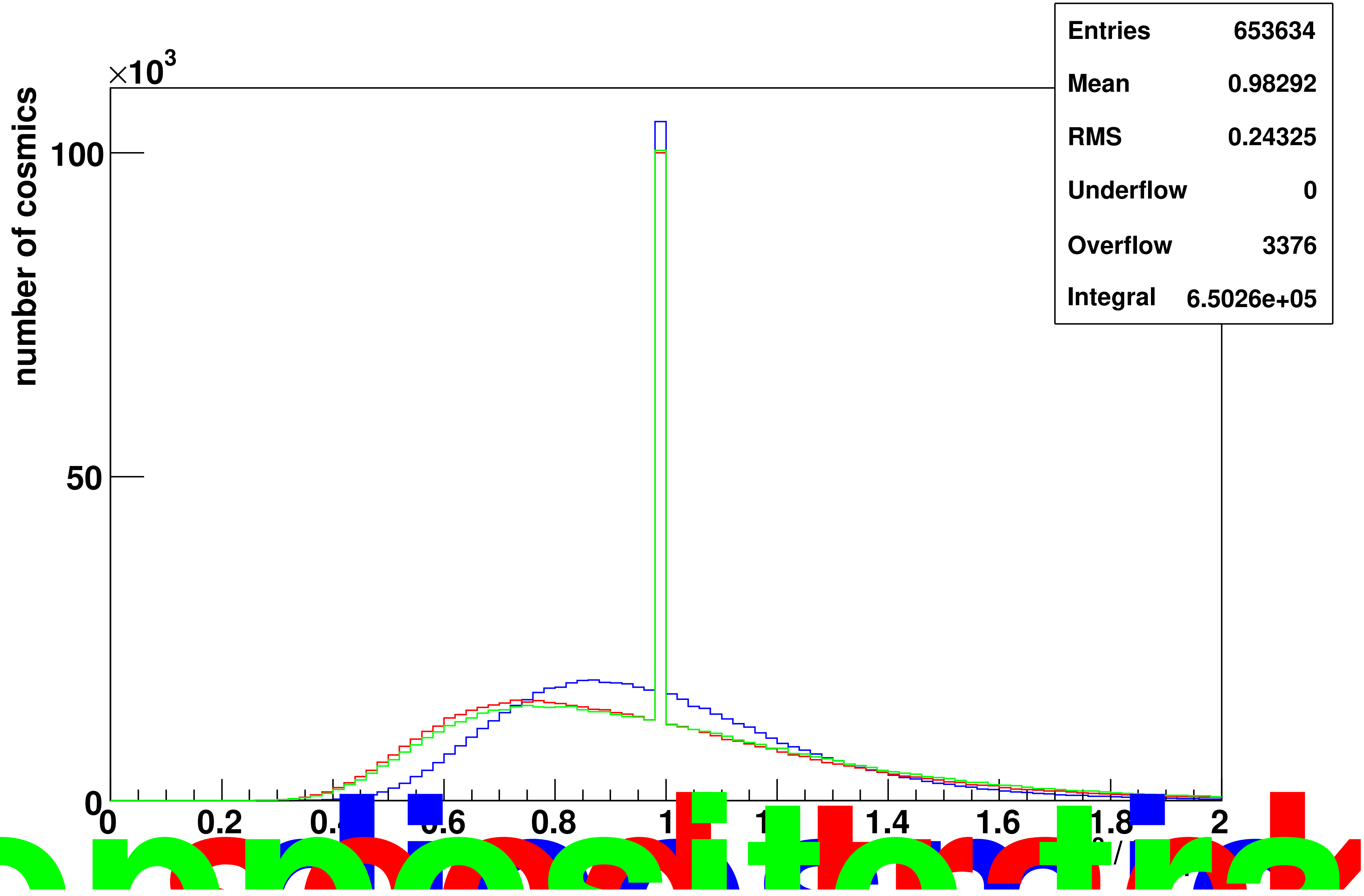
Entries 653634
Mean -0.047718
RMS 1.4317
Underflow 673
Overflow 175
Integral 6.5279e+05
×10^3
number of cosmics
100
50
0
-10
-8
-6
-4
-2
0
2
4
6
8
10
Δ t0 (ns)

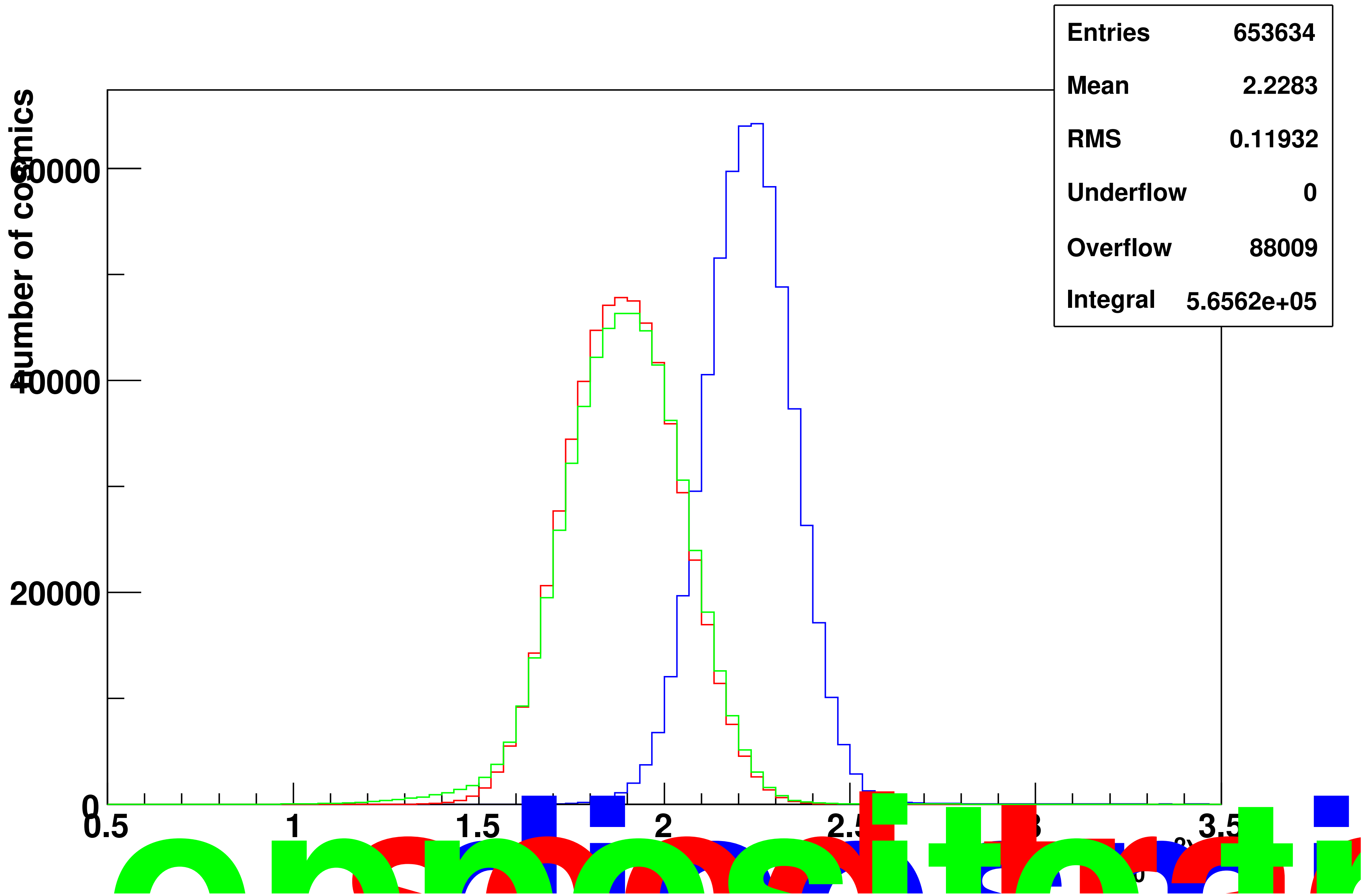


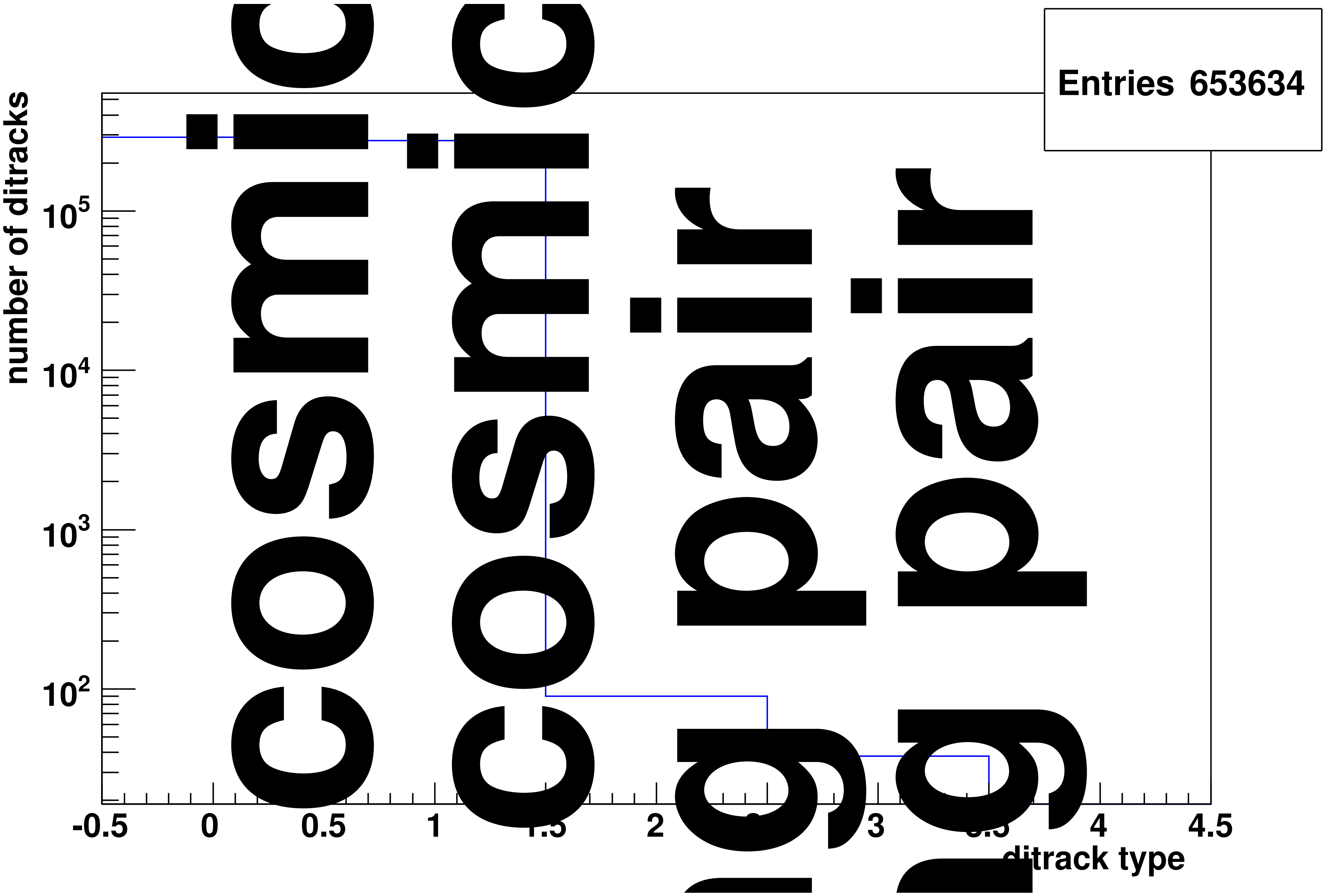
Entries 653634
Mean 0.00068764
RMS 0.015945
Underflow 88194
Overflow 290
Integral 5.6515e+05
number of cosmics
×10^3
200
100
0
-0.25
-0.2
-0.15
-0.05
0.05
0.1
0.15



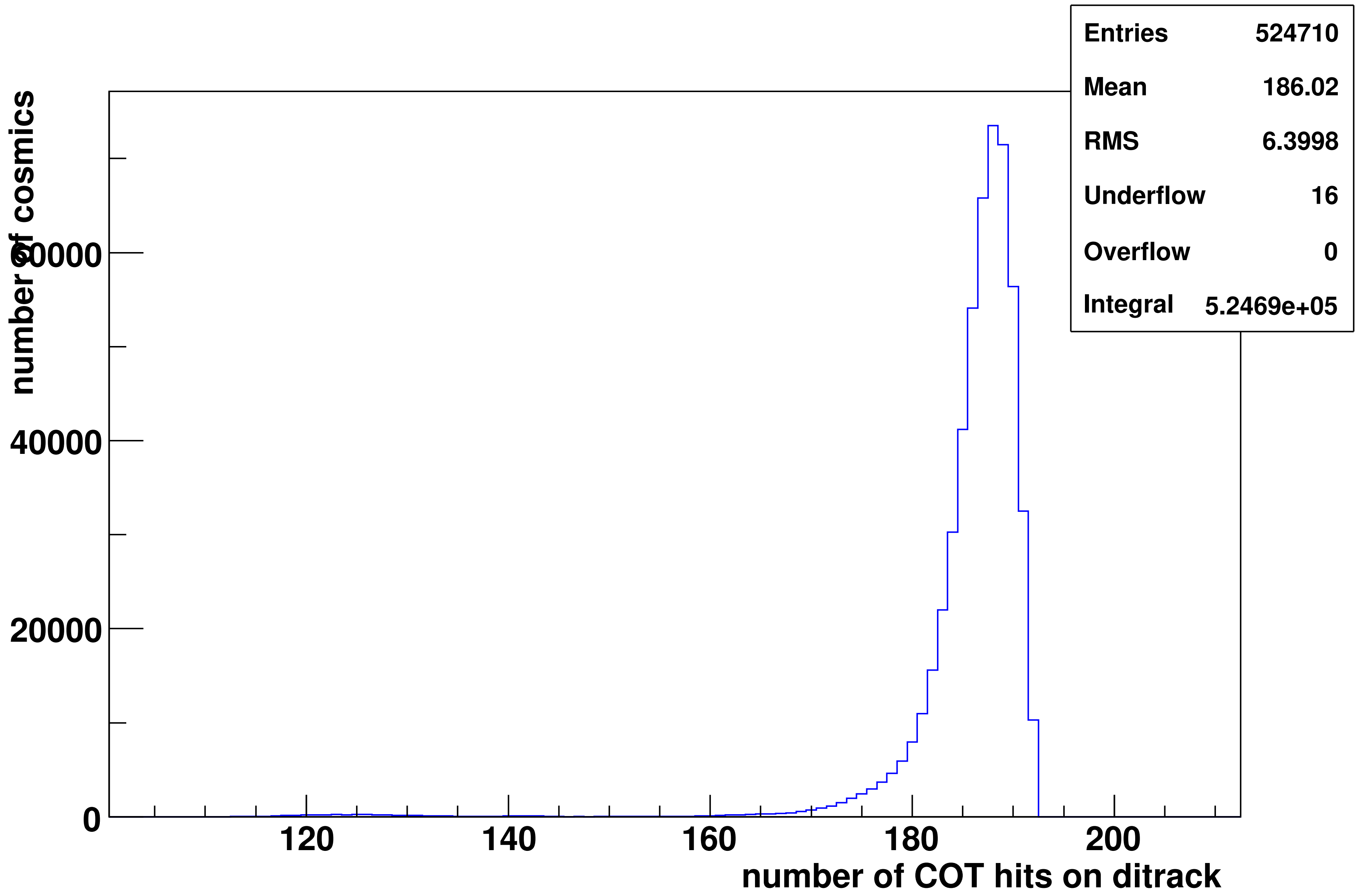
Entries 653634
Mean 82.429
RMS 28.755
Underflow 87963
Overflow 5
Integral 5.6567e+05
number of cosmics
40000
20000
0
0
50
100
250
300
400

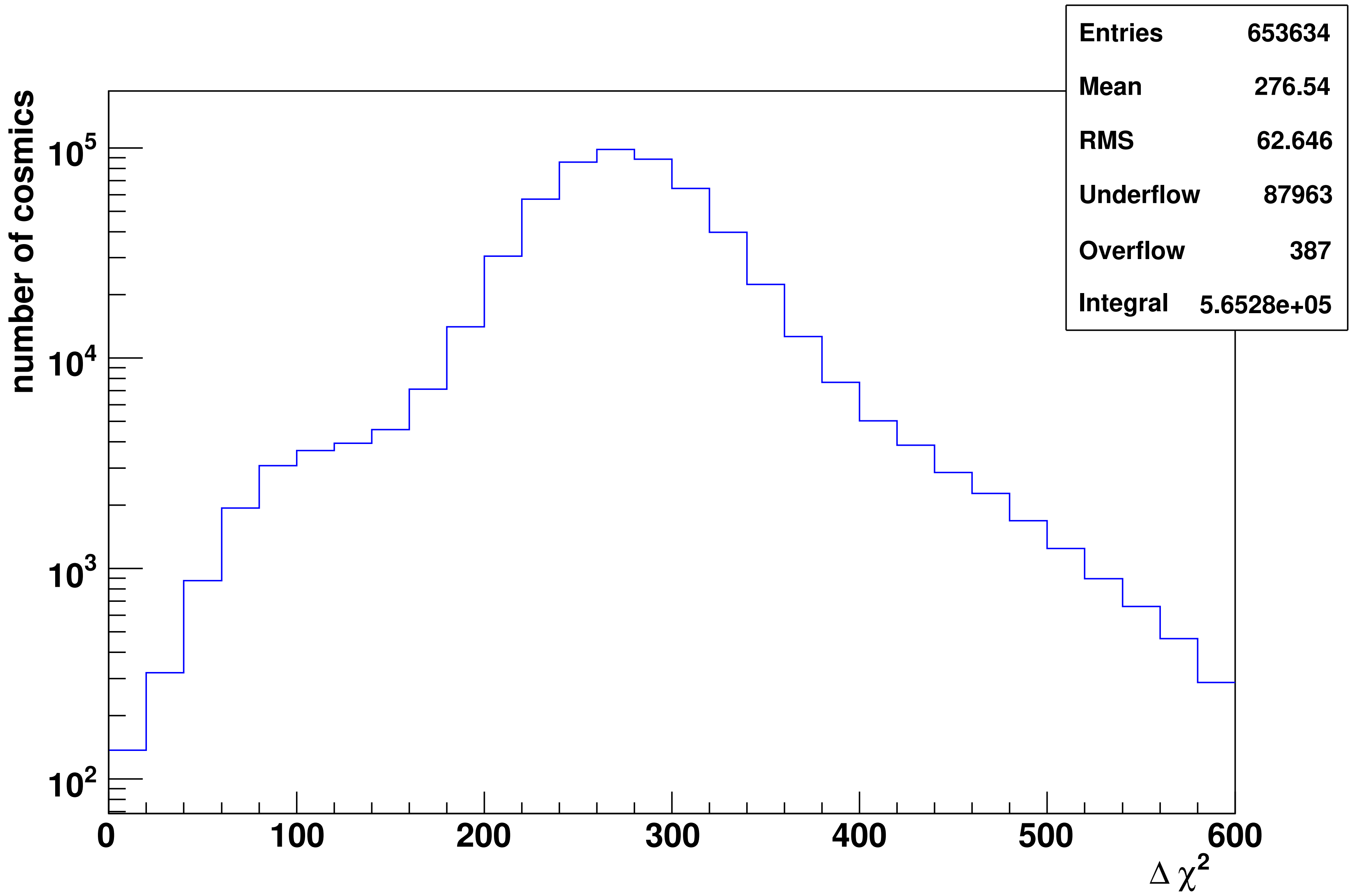

Entries 653634
Mean 0.98292
RMS 0.24325
Underflow 0
Overflow 3376
Integral 6.5026e+05
number of cosmics
×10^3
100
50
0
0
0.2
0.6
0.8
1
1.4
1.6
1.8
2


Entries 653634
Mean 2.2283
RMS 0.11932
Underflow 0
Overflow 88009
Integral 5.6562e+05
number of cosmics
60000
40000
20000
0
0.5
1
1.5
2
2.5
3
3.5

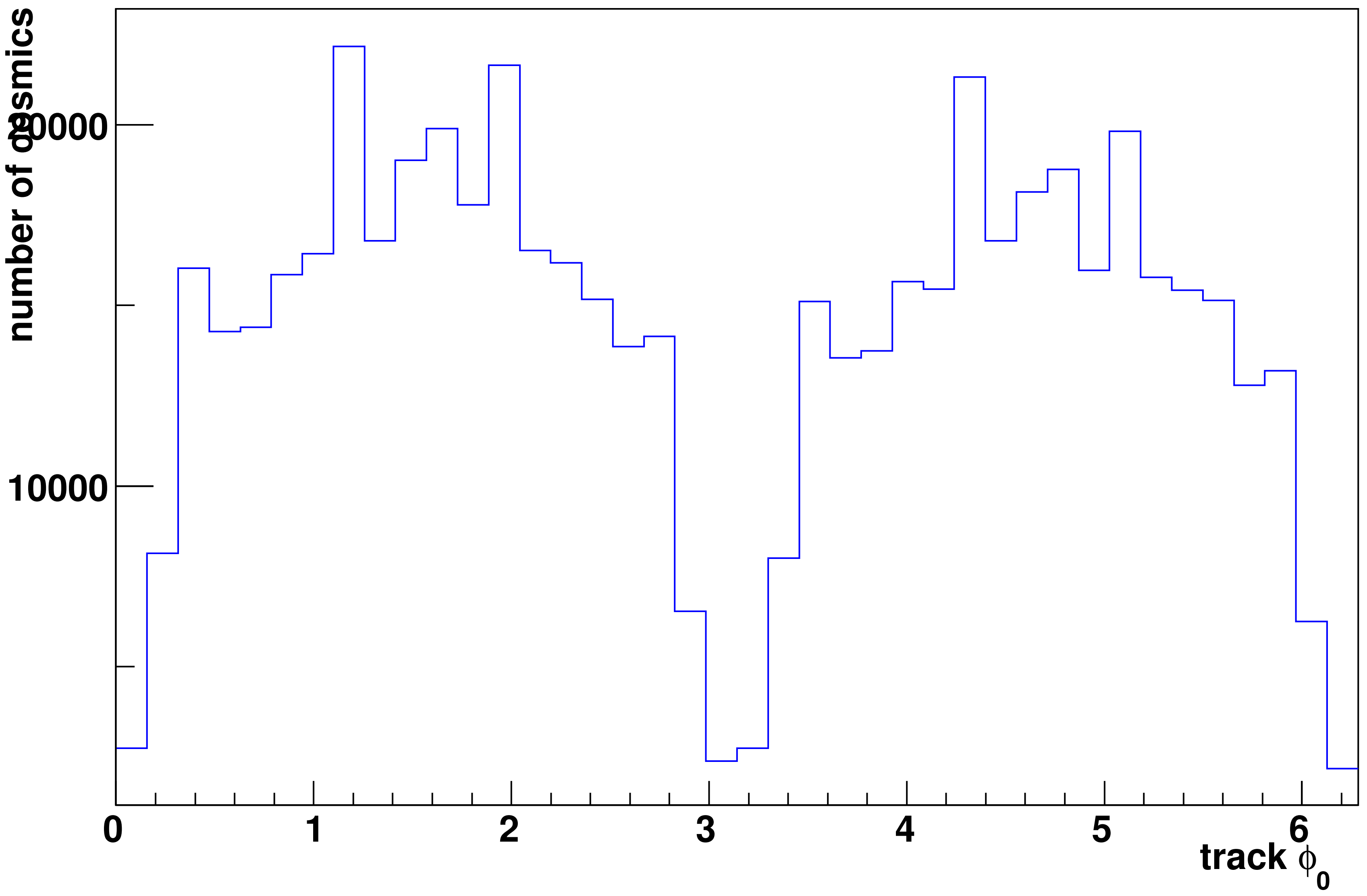


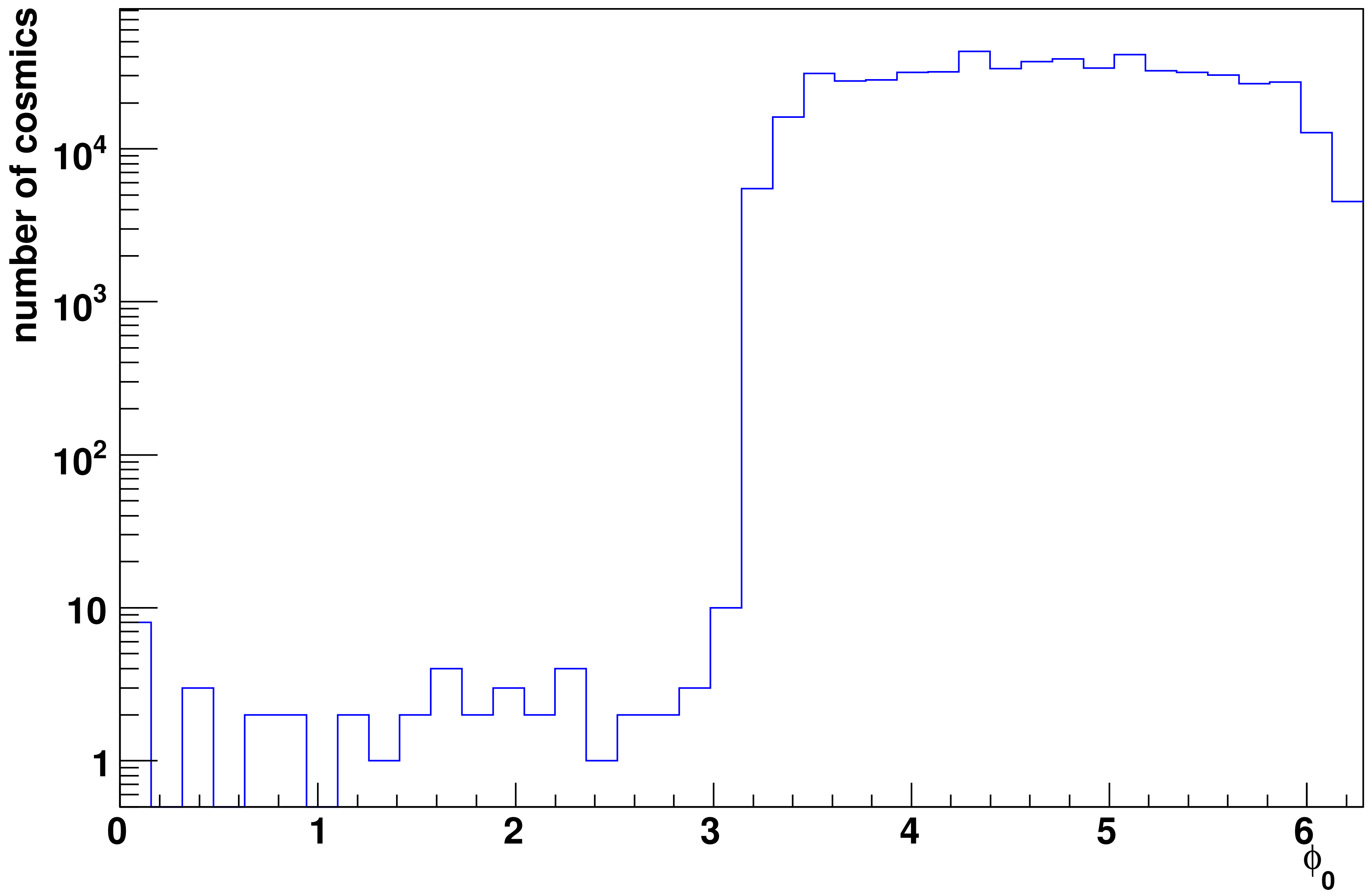
Entries 653634
number of ditracks
10^5
10^4
10^3
10^2
-0.5
0
0.5
1
2
3
4
4.5
ditrack type
cosmic
cosmic
pair
pair


Entries 524710
Mean 186.02
RMS 6.3998
Underflow 16
Overflow 0
Integral 5.2469e+05
number of cosmics
60000
40000
20000
0
120
140
160
180
200
number of COT hits on ditrack

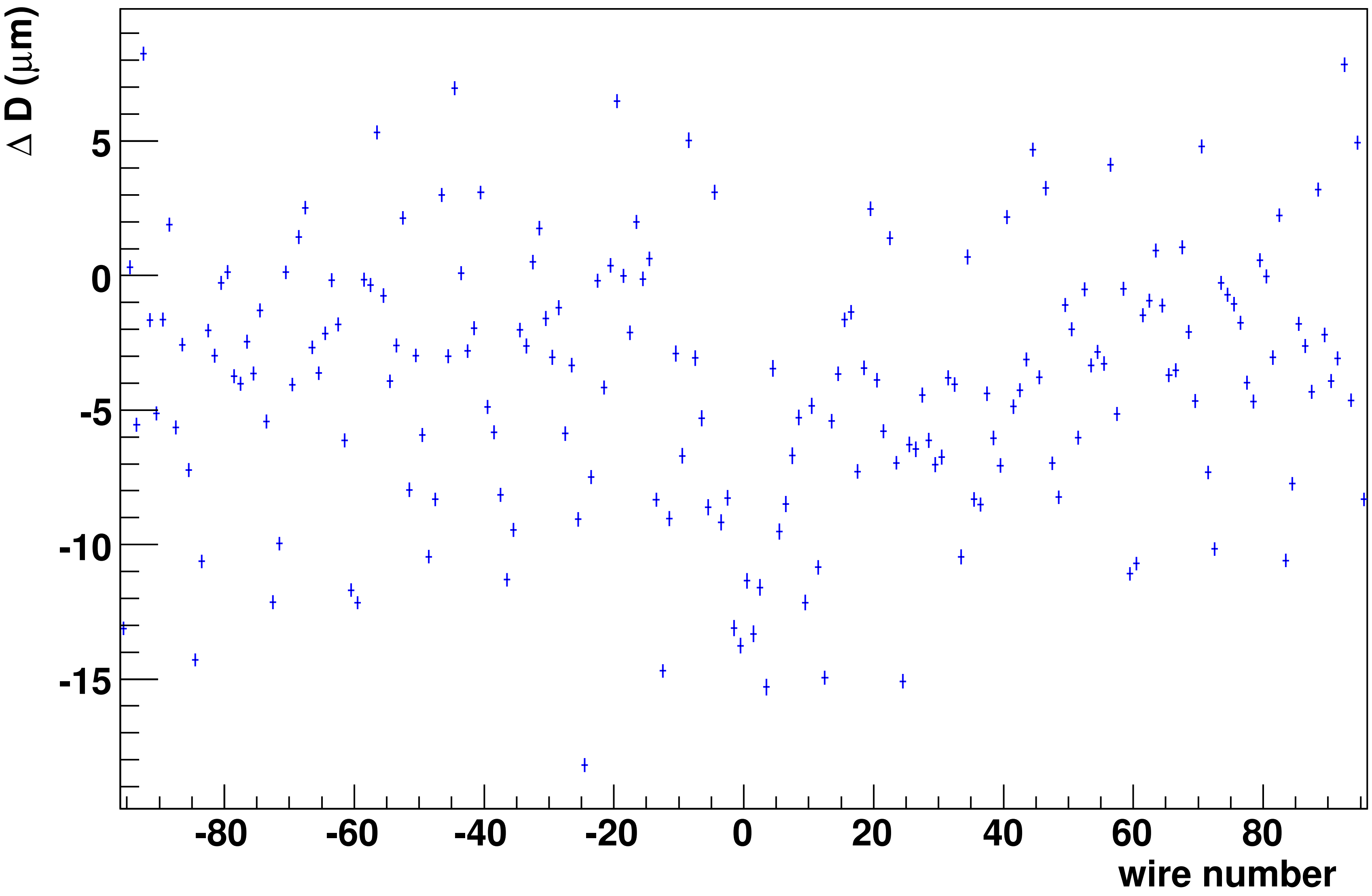


Entries 653634
Mean 276.54
RMS 62.646
Underflow 87963
Overflow 387
Integral 5.6528e+05
number of cosmics
10^5
10^4
10^3
10^2
0
100
200
300
400
500
600
$\Delta\chi^2$

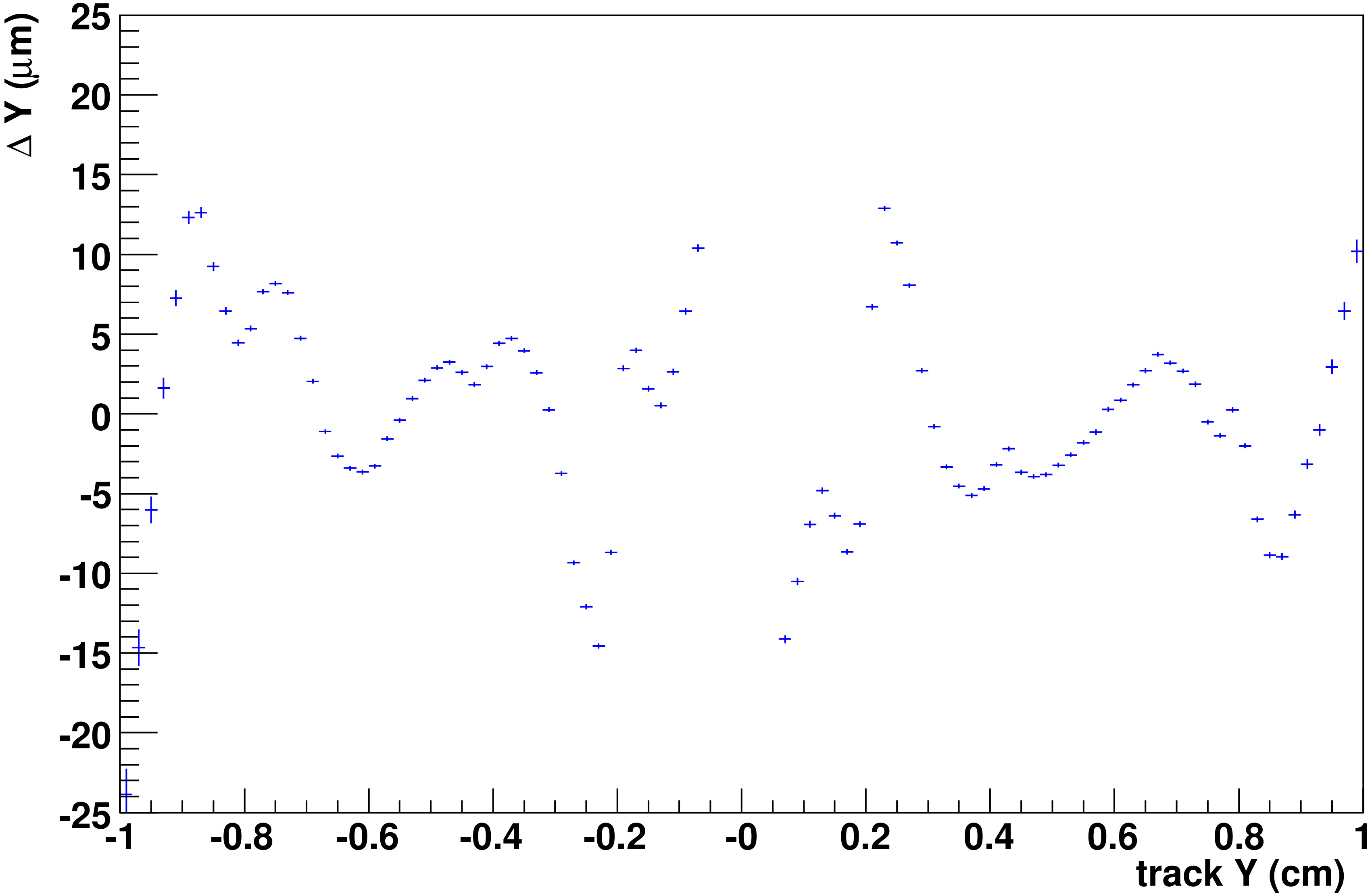

number of cosmics
20000
10000
0
1
2
3
4
5
6
track ϕ_0



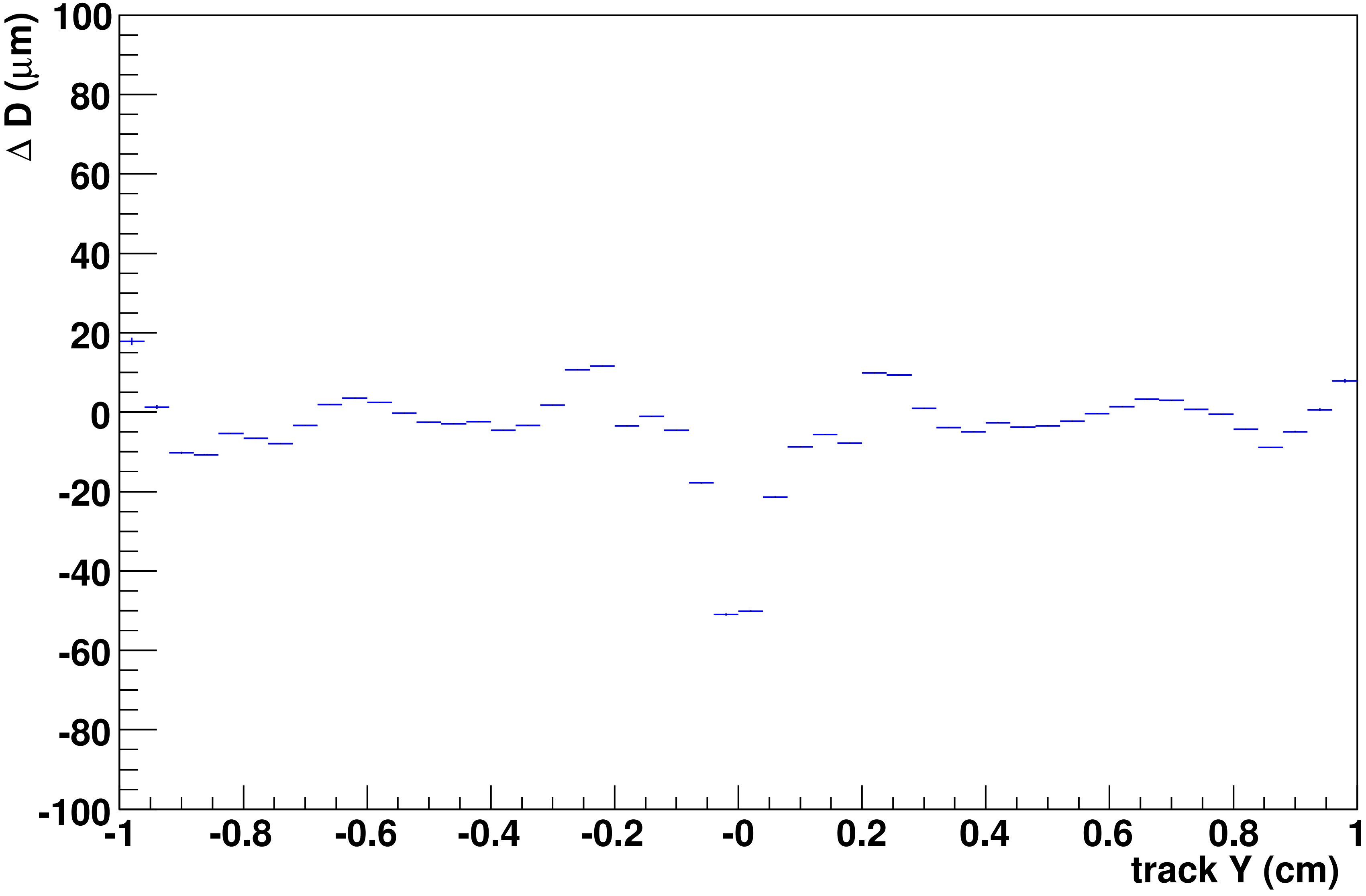
number of cosmics
10^4
10^3
10^2
10
1
0
1
2
3
4
5
6
ϕ_0



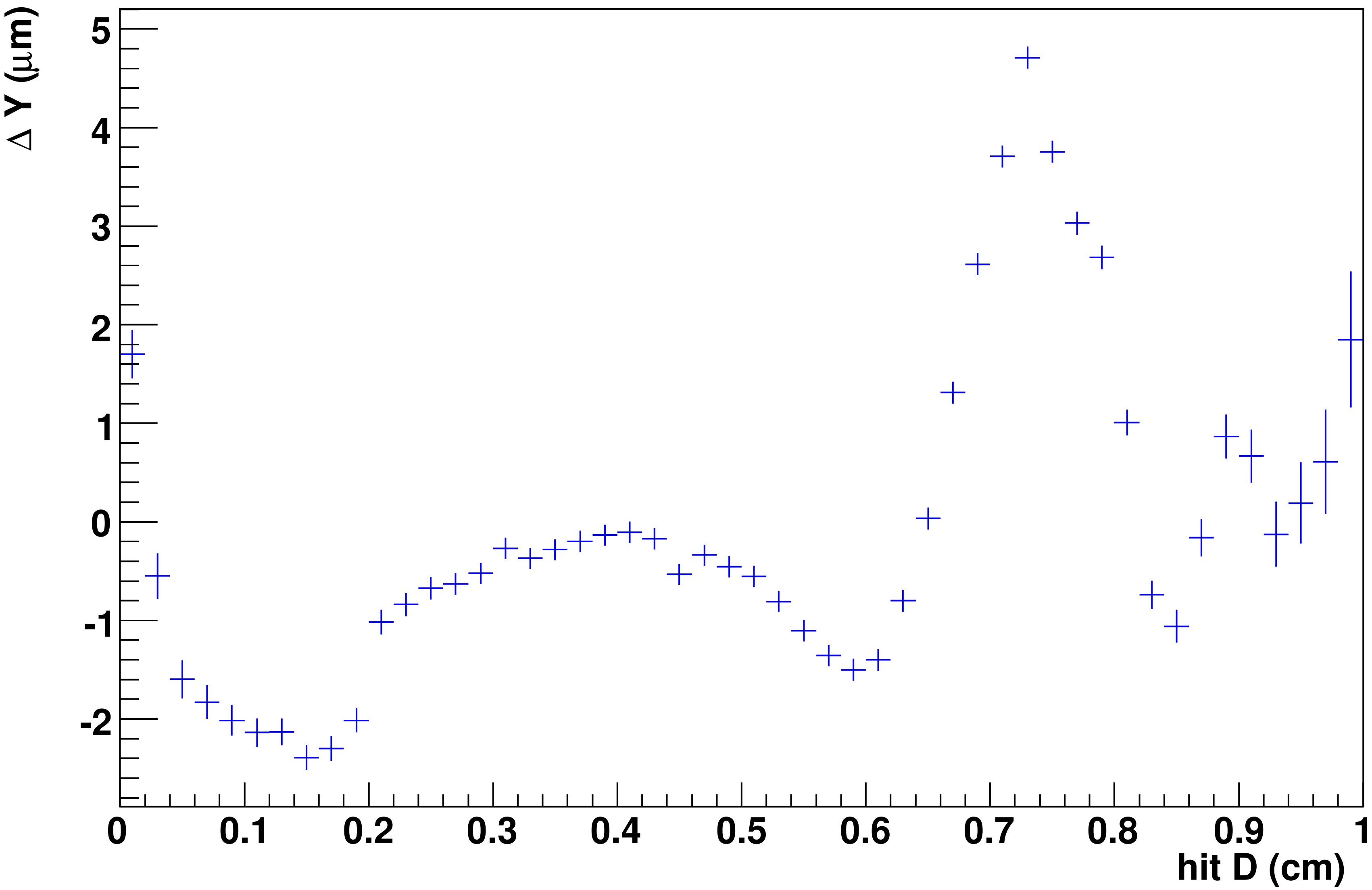
Δ D (μm)
5
0
-5
-10
-15
-80
-60
-40
-20
0
20
40
60
80
wire number



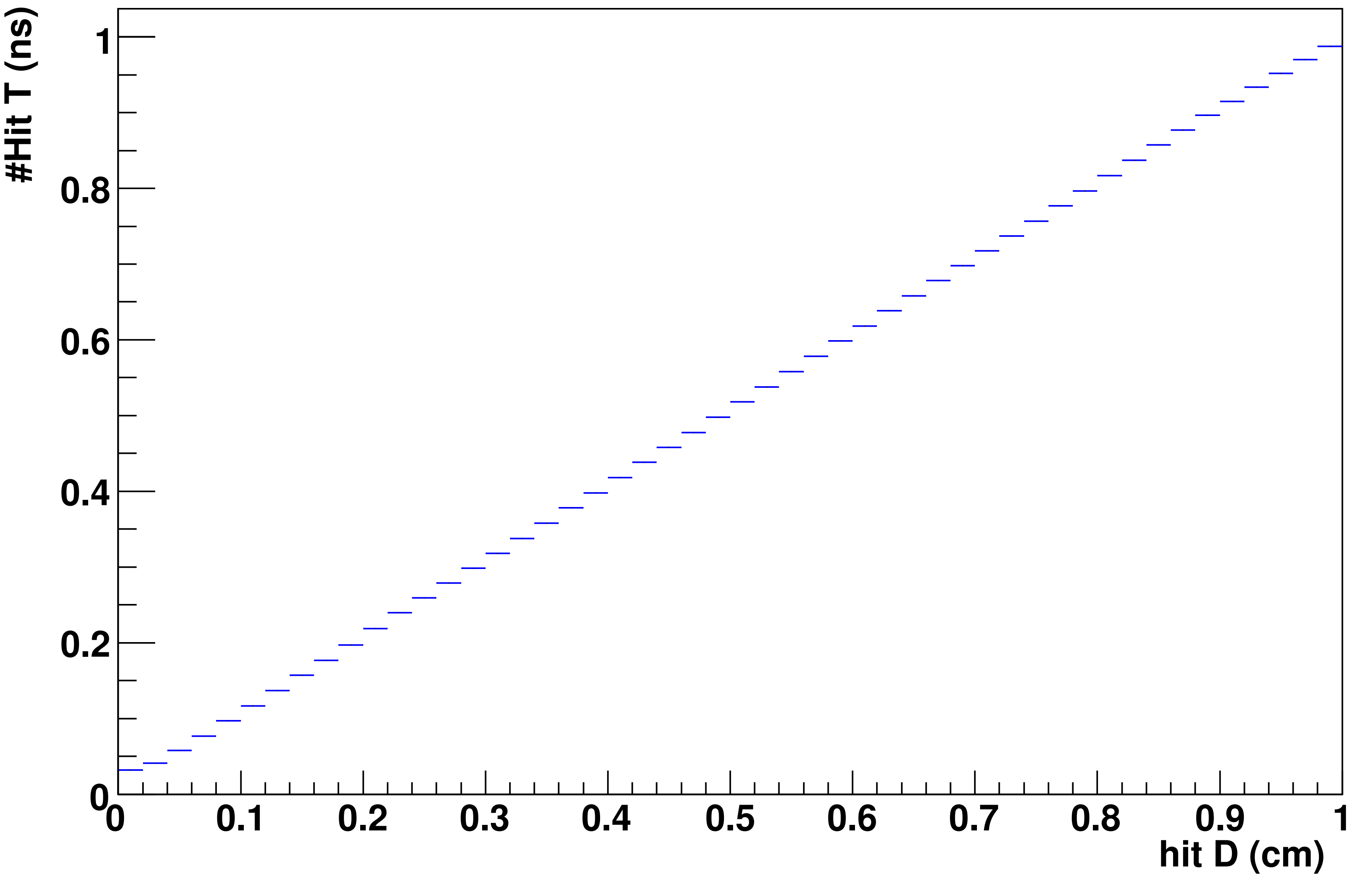
Δ Y (μm)
25
20
15
10
5
0
-5
-10
-15
-20
-25
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)

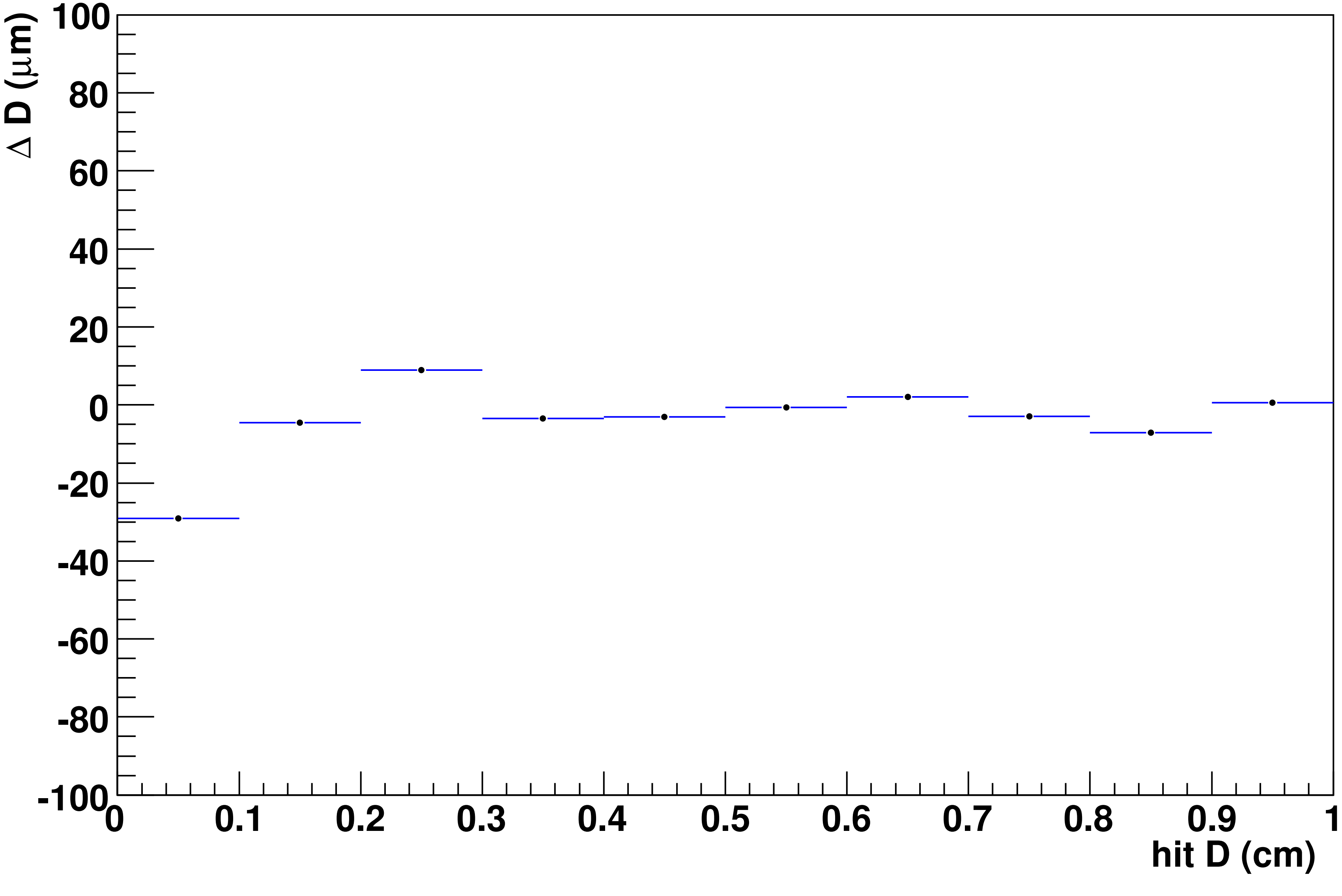


Δ D (μm)
100
80
60
40
20
0
-20
-40
-60
-80
-100
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)

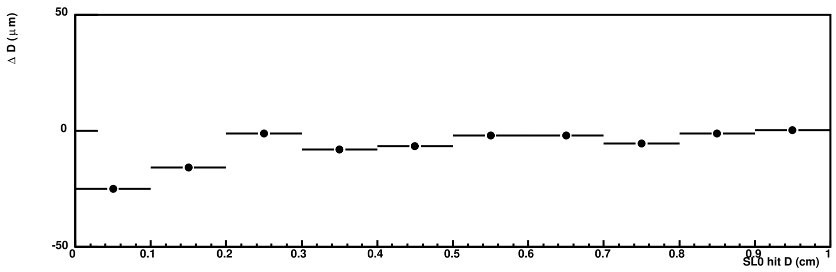


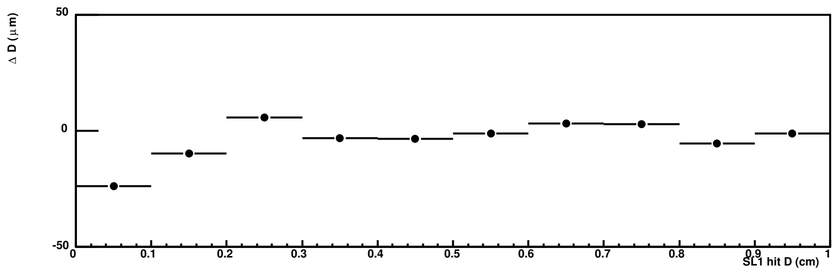
Δ Y (μm)
5
4
3
2
1
0
-1
-2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

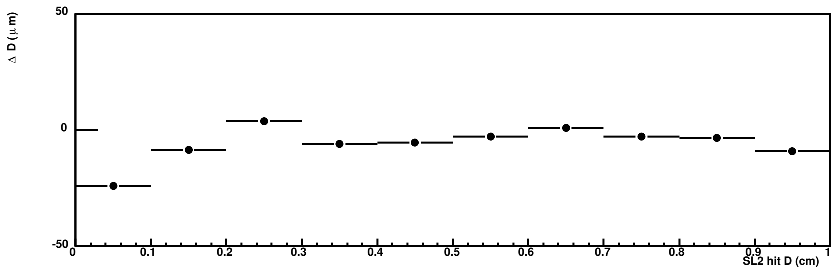

#Hit T (ns)
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

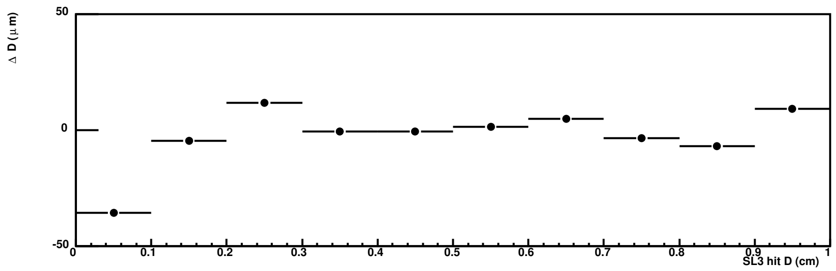


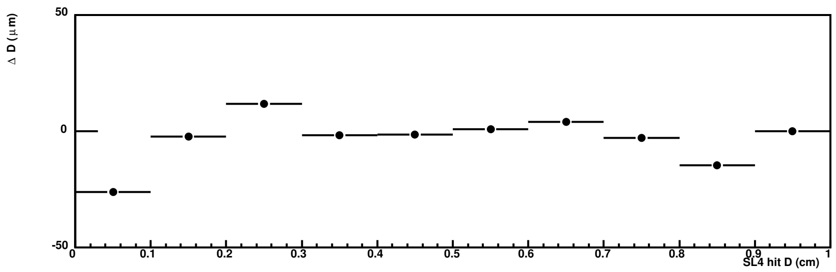
Δ D (μm)
100
80
60
40
20
0
-20
-40
-60
-80
-100
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

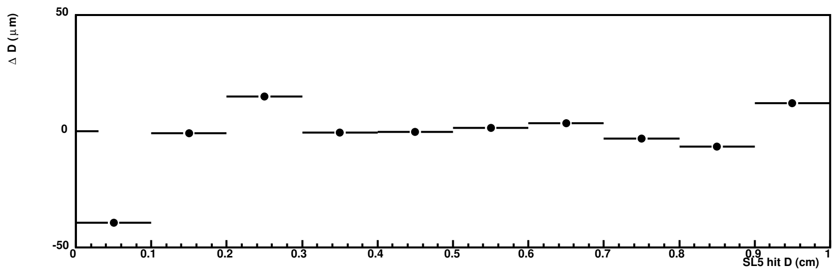

Δ D (μm)
SL0 hit D (cm)

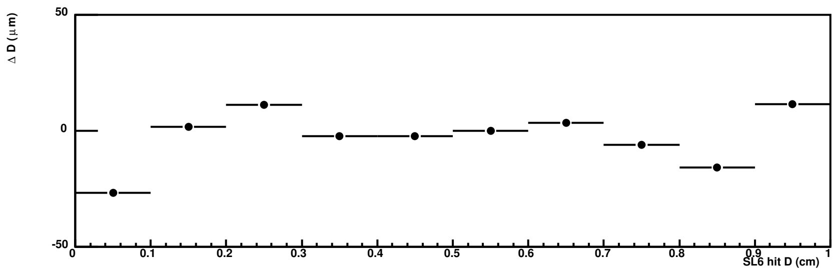

Δ D (μm)
SL1 hit D (cm)

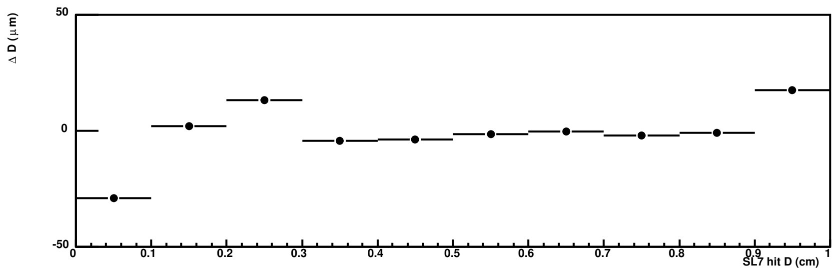

Δ D (μm)
SL2 hit D (cm)

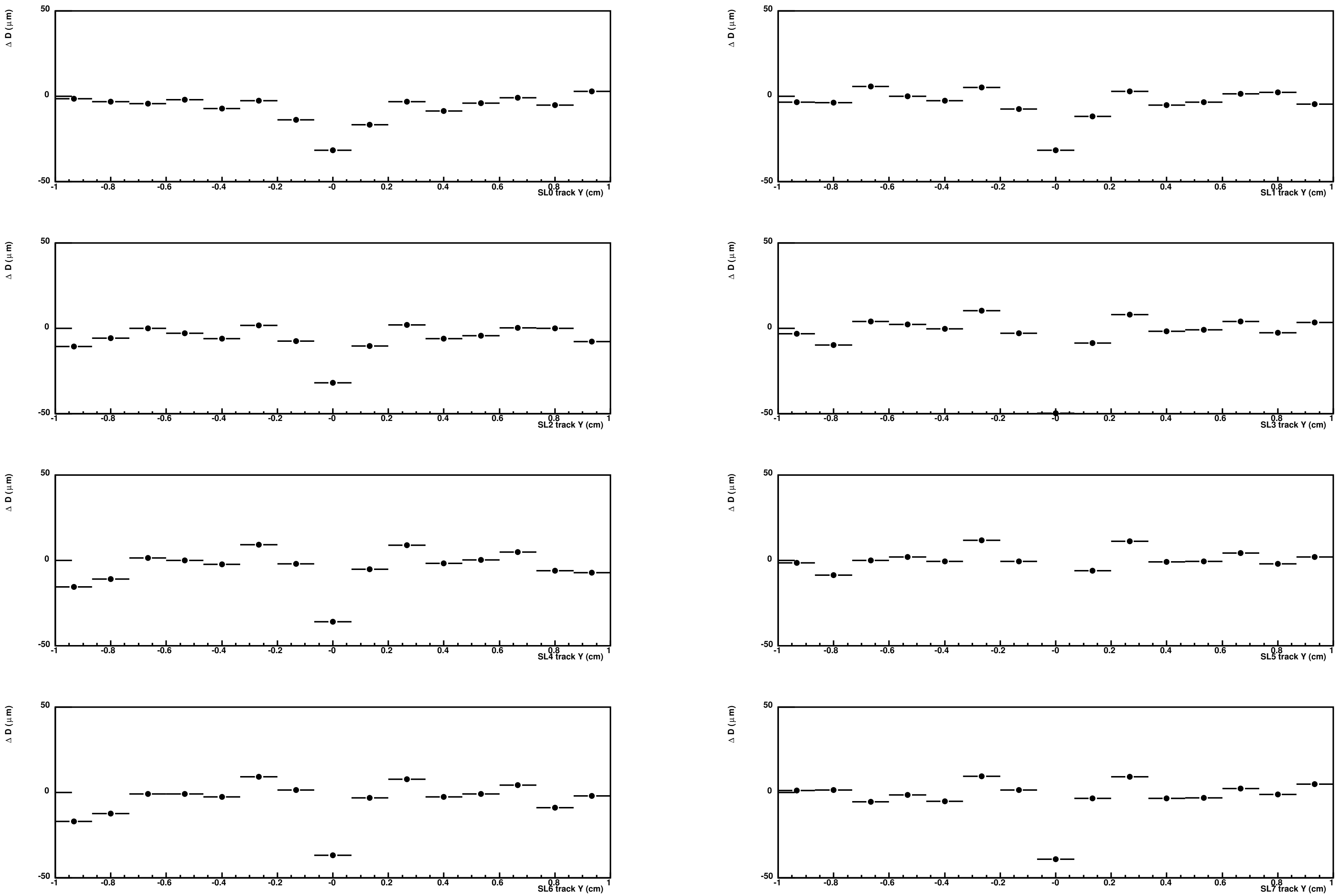

Δ D (μm)
SL3 hit D (cm)

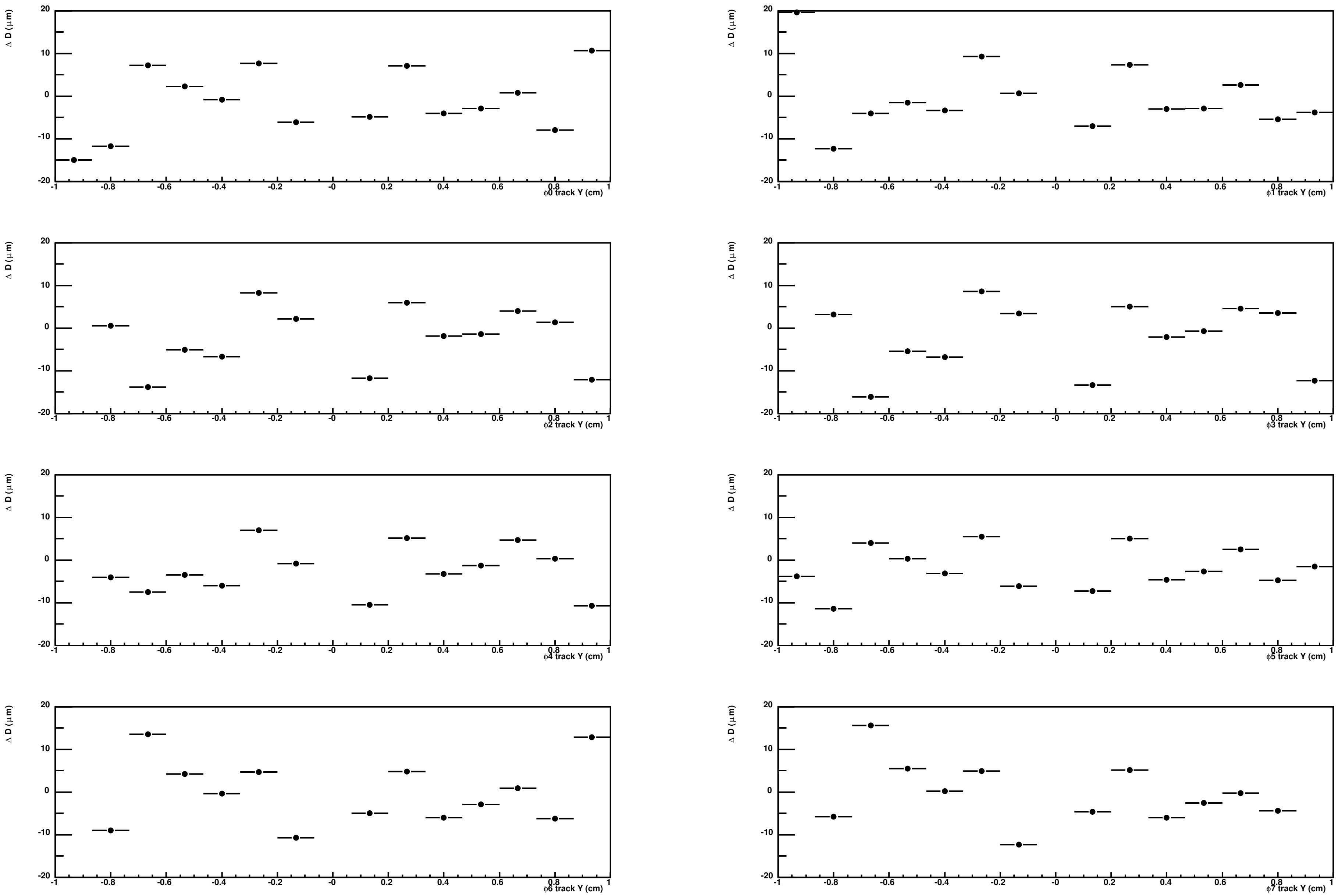

Δ D (μm)
SL4 hit D (cm)


Δ D (μm)
SL5 hit D (cm)

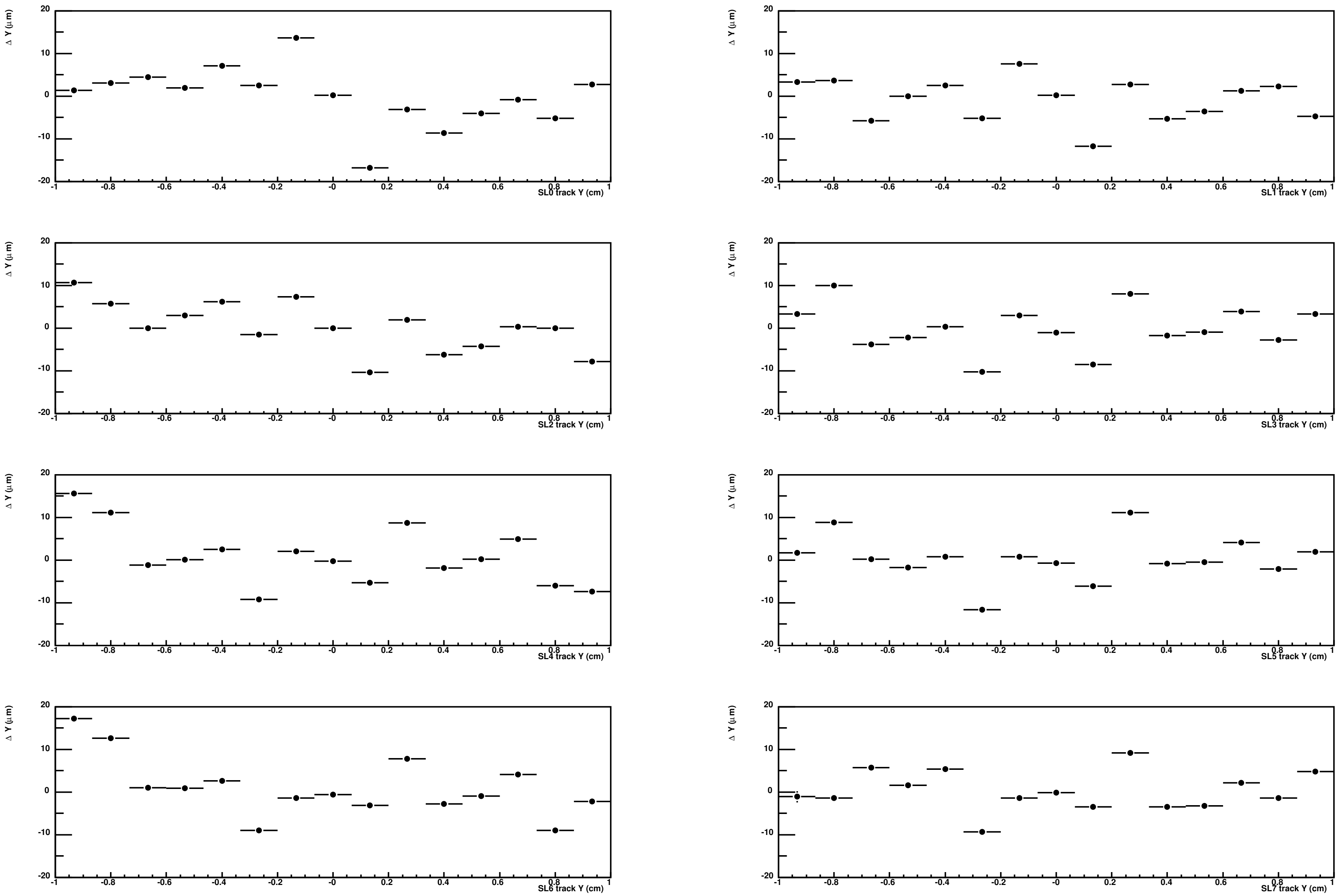

Δ D (μm)
SL6 hit D (cm)

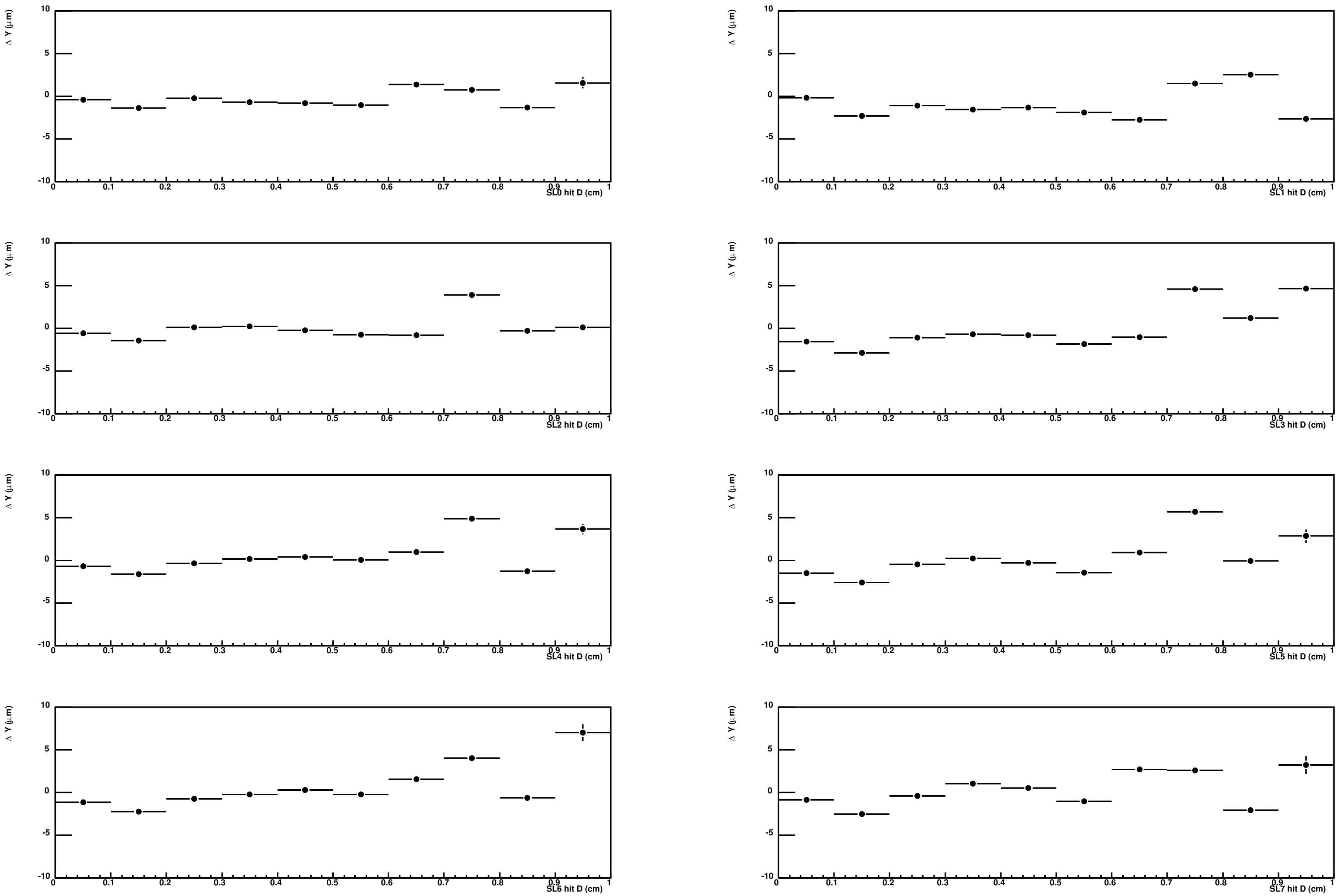

Δ D (μm)
SL7 hit D (cm)

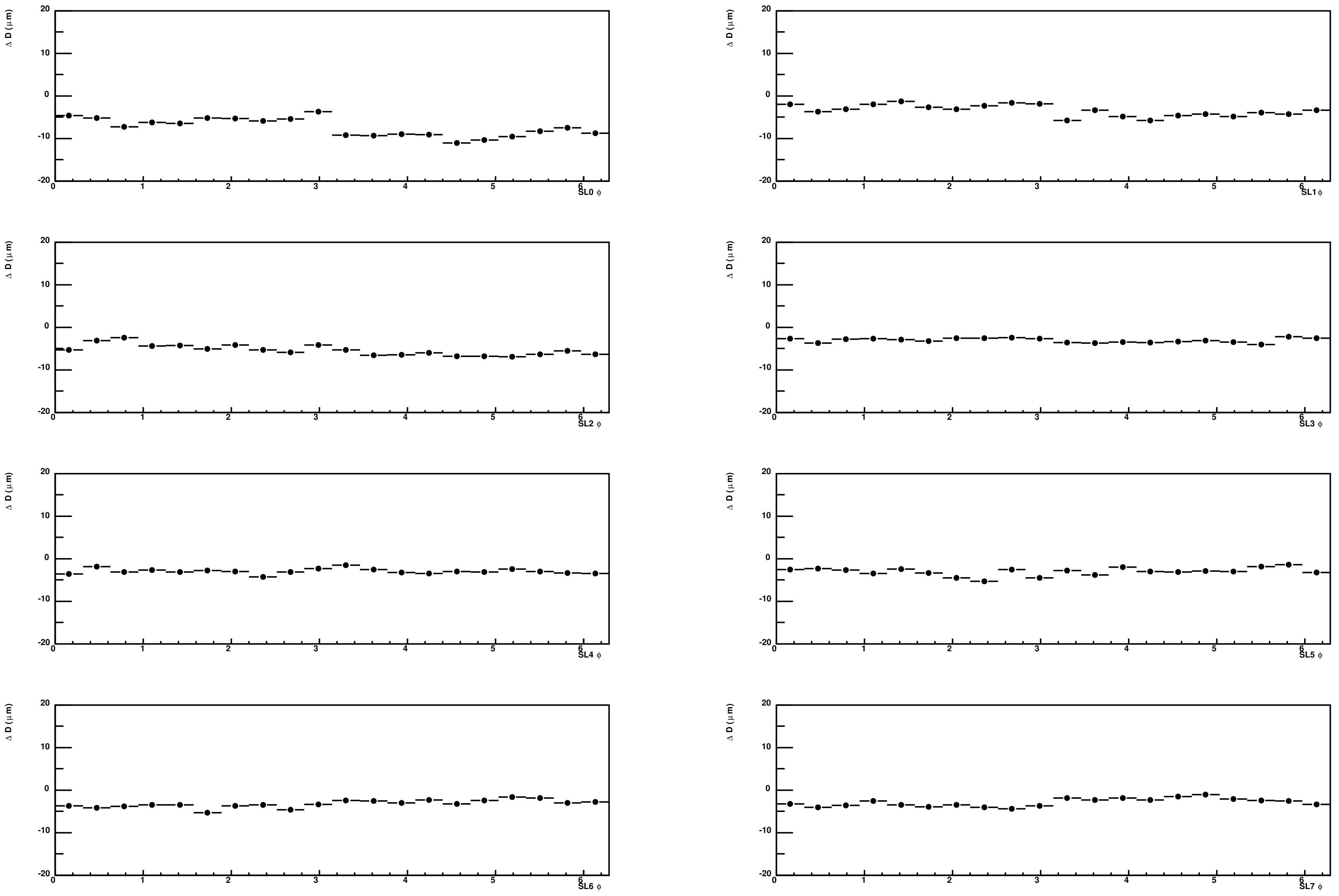

Δ D (μ m)
SL0 track Y (cm)
SL1 track Y (cm)
SL2 track Y (cm)
SL3 track Y (cm)
SL4 track Y (cm)
SL5 track Y (cm)
SL6 track Y (cm)
SL7 track Y (cm)



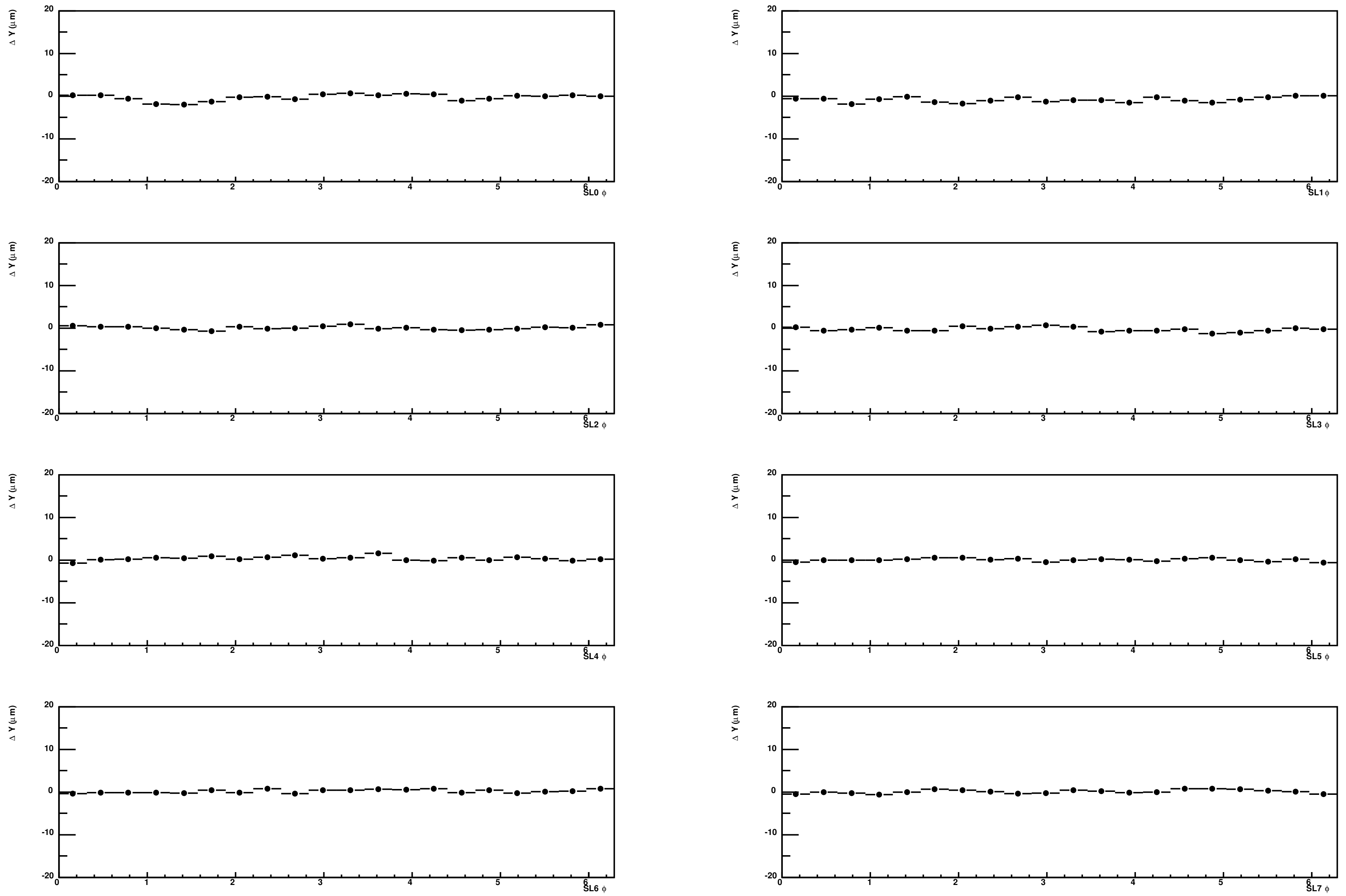
Δ D (μm)
φ0 track Y (cm)
φ1 track Y (cm)
φ2 track Y (cm)
φ3 track Y (cm)
φ4 track Y (cm)
φ5 track Y (cm)
φ6 track Y (cm)
φ7 track Y (cm)


Δ Y (μm)
SL0 track Y (cm)
Δ Y (μm)
SL1 track Y (cm)
Δ Y (μm)
SL2 track Y (cm)
Δ Y (μm)
SL3 track Y (cm)
Δ Y (μm)
SL4 track Y (cm)
Δ Y (μm)
SL5 track Y (cm)
Δ Y (μm)
SL6 track Y (cm)
Δ Y (μm)
SL7 track Y (cm)

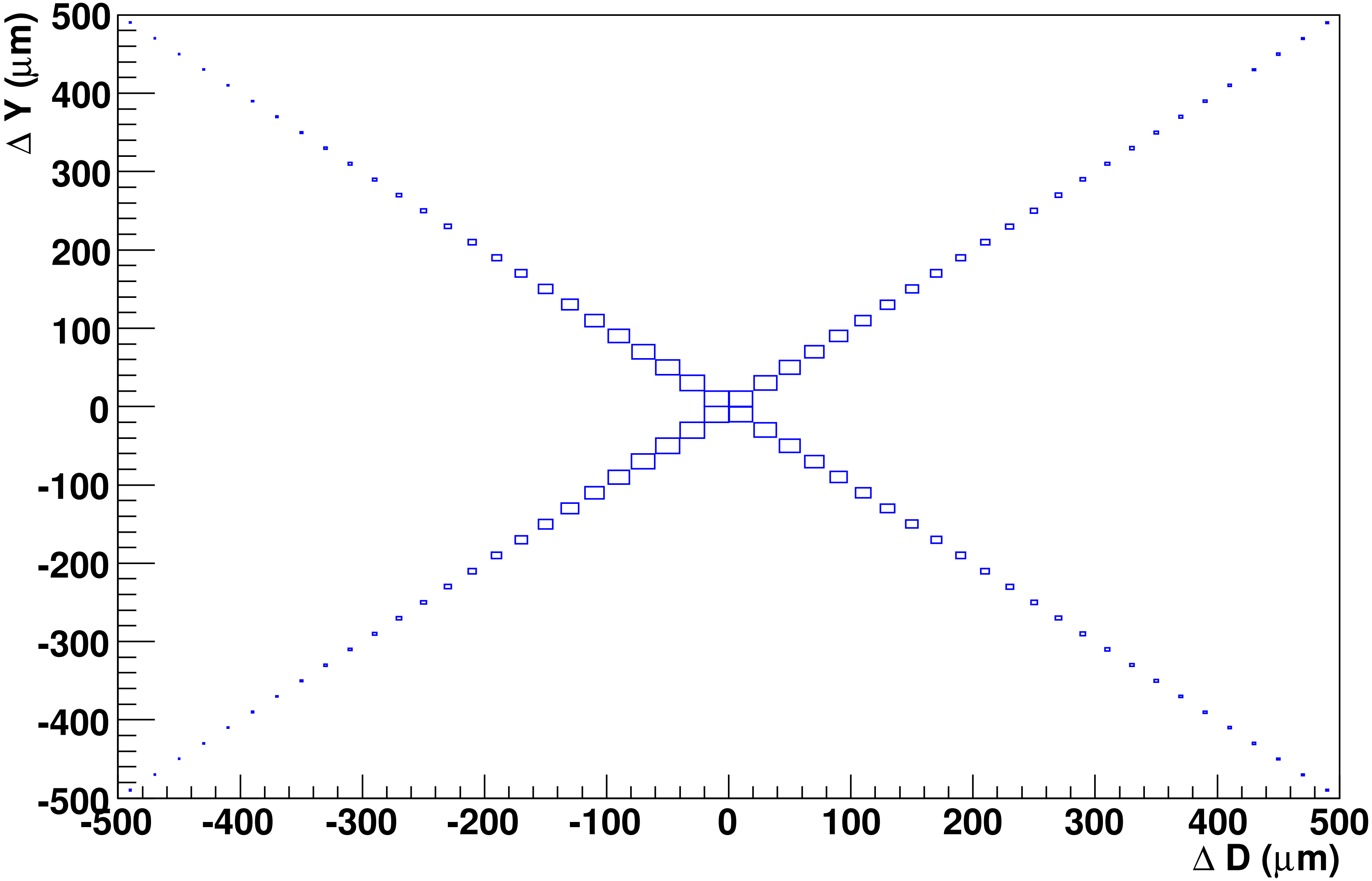

Δ Y (μm)
SL0 hit D (cm)
SL1 hit D (cm)
SL2 hit D (cm)
SL3 hit D (cm)
SL4 hit D (cm)
SL5 hit D (cm)
SL6 hit D (cm)
SL7 hit D (cm)

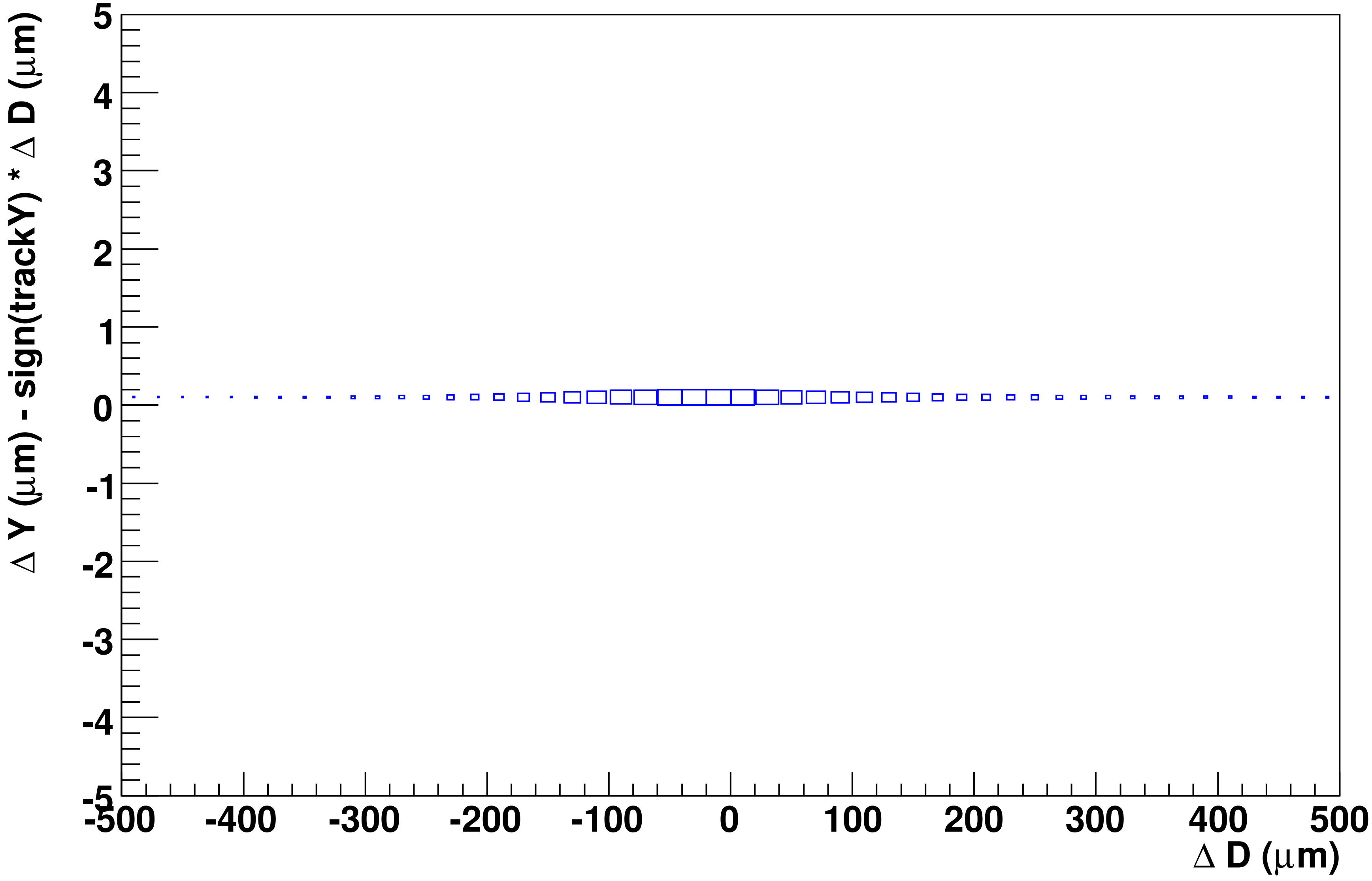


Δ D (μm)
SL0 φ
SL1 φ
SL2 φ
SL3 φ
SL4 φ
SL5 φ
SL6 φ
SL7 φ

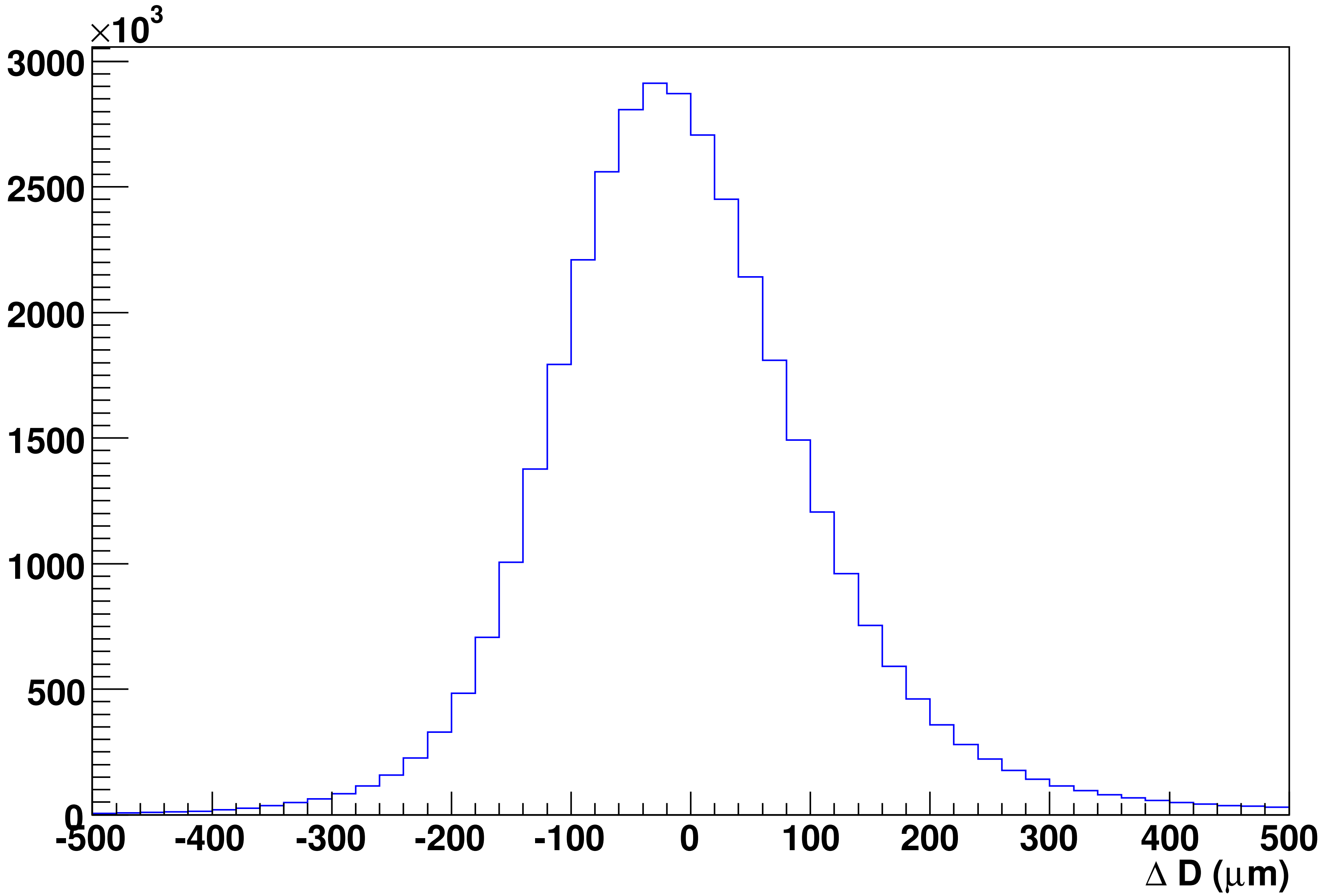


Δ Y (μm)
SL0 φ
SL1 φ
SL2 φ
SL3 φ
SL4 φ
SL5 φ
SL6 φ
SL7 φ

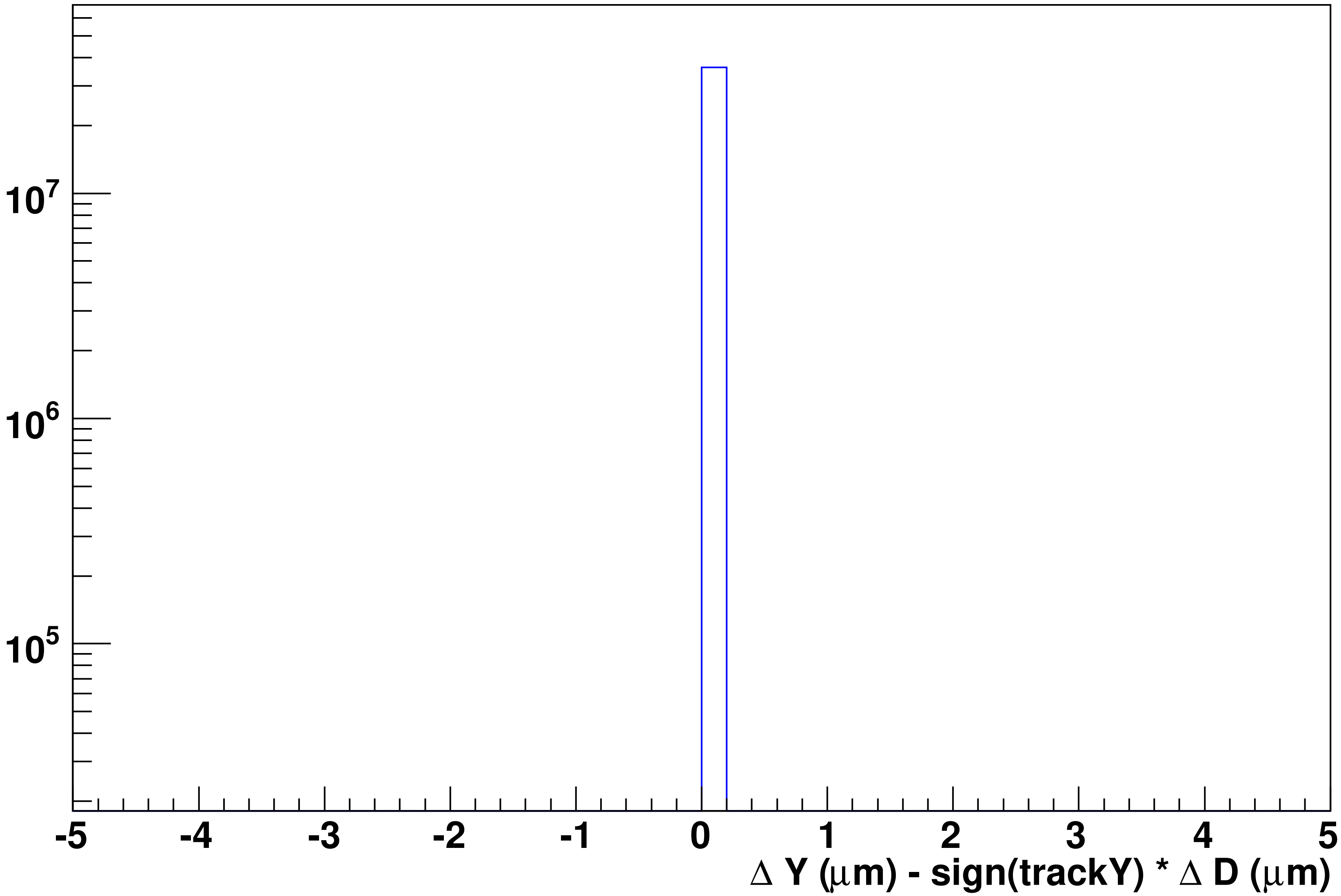

Δ Y (μm)
500
400
300
200
100
0
-100
-200
-300
-400
-500
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



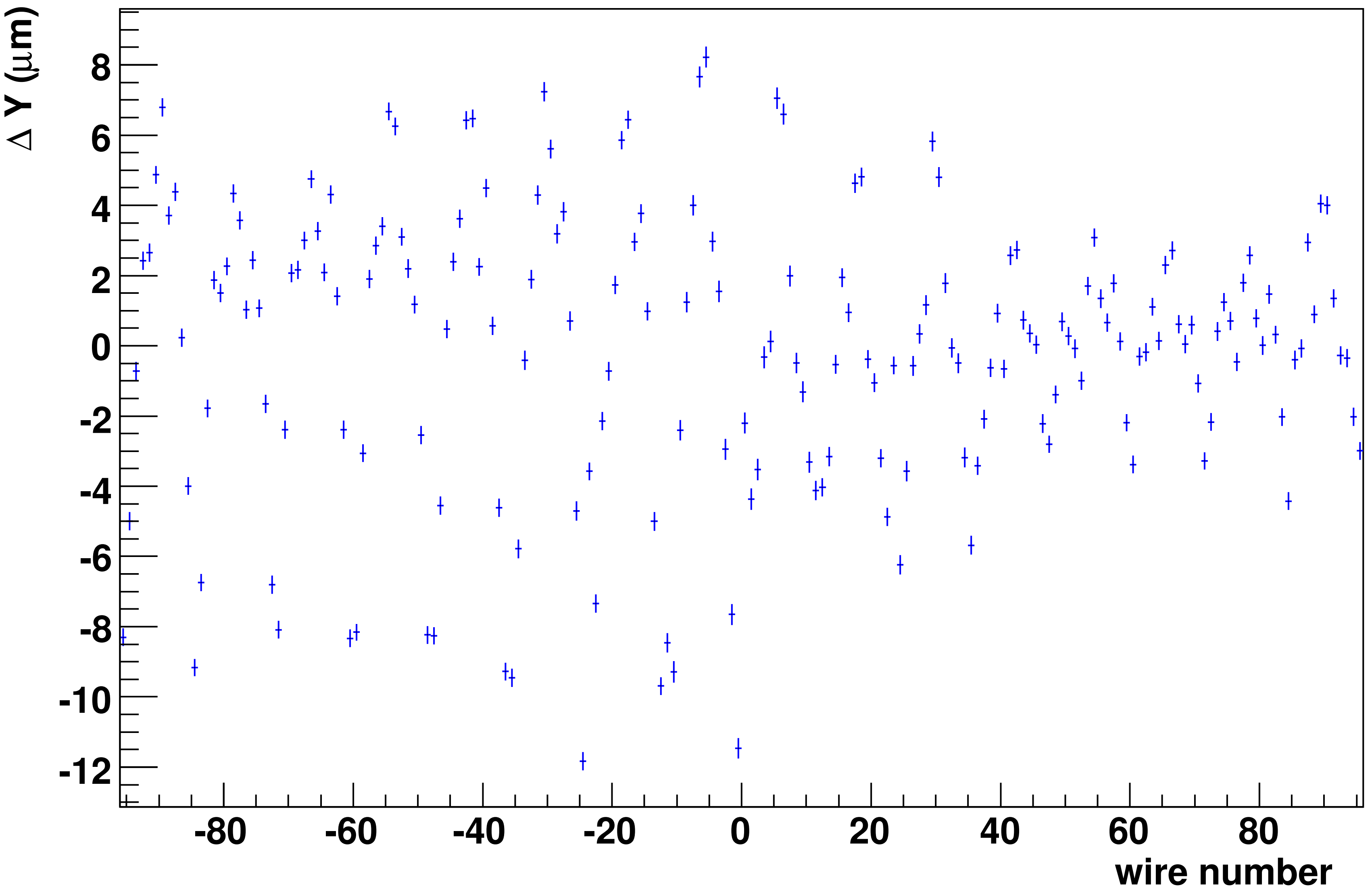
Δ Y (μm) - sign(trackY) * Δ D (μm)
5
4
3
2
1
0
-1
-2
-3
-4
-5
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



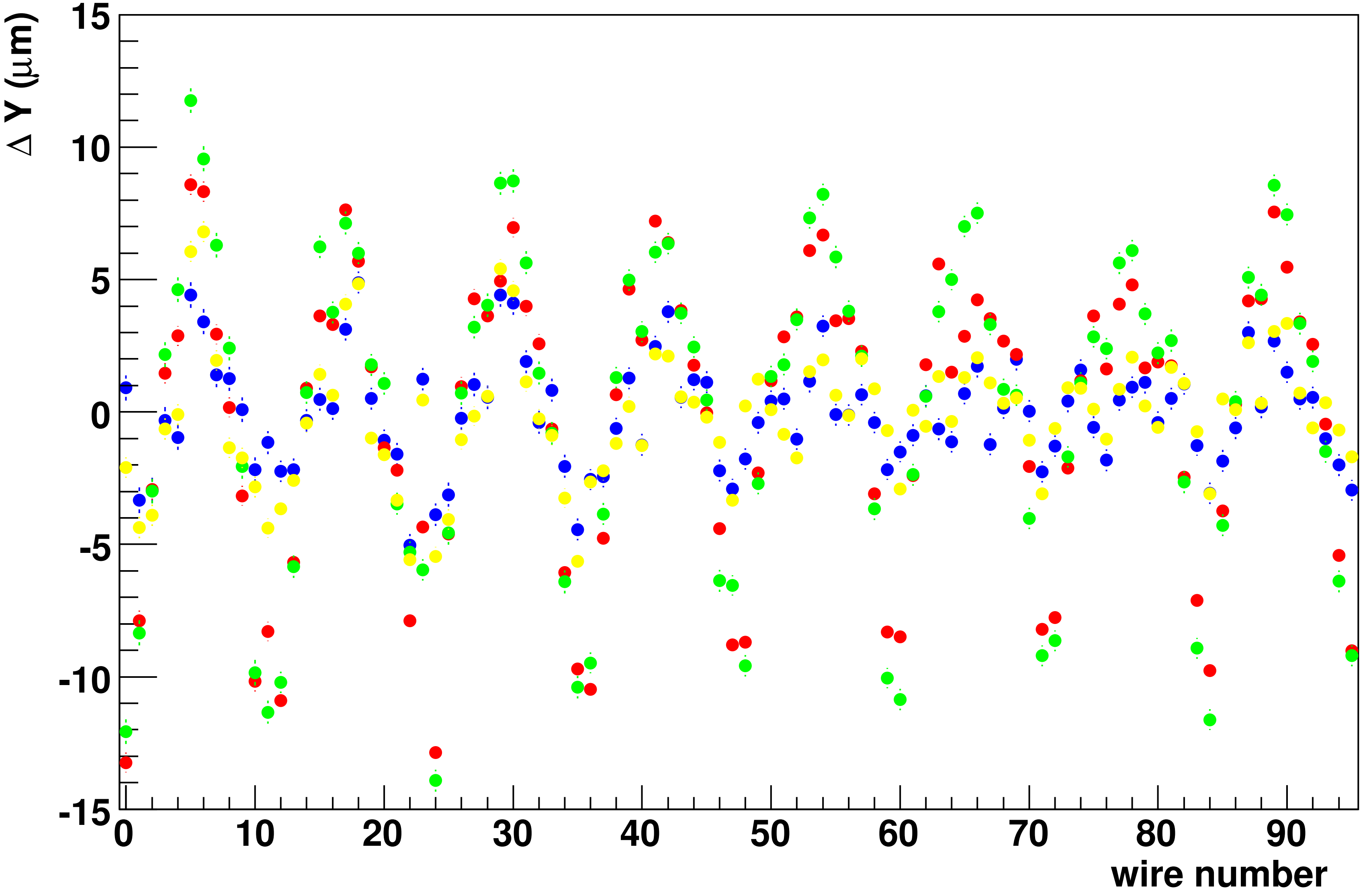
×10^3
3000
2500
2000
1500
1000
500
0
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



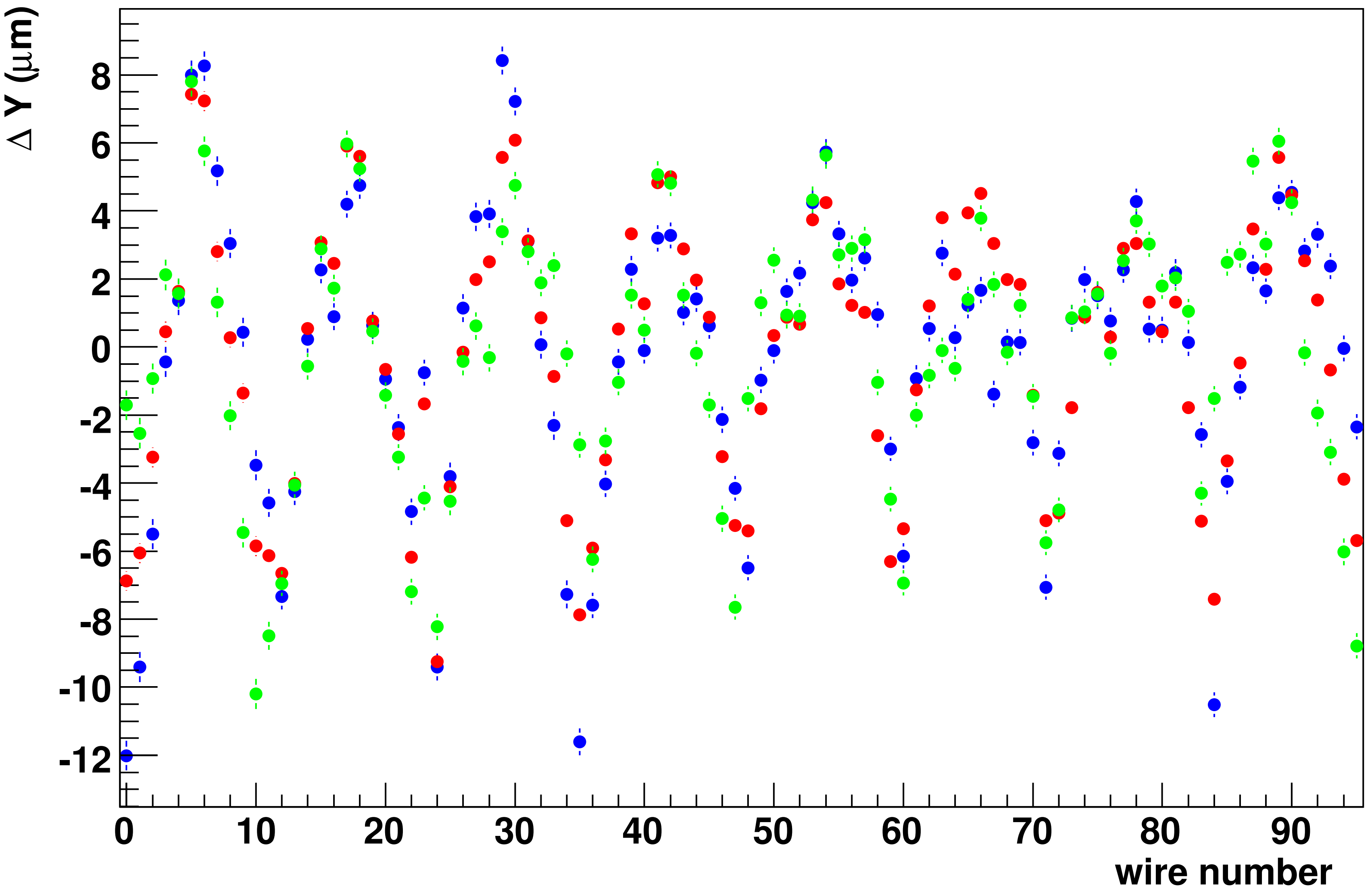
10^7
10^6
10^5
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δ Y (μm) - sign(trackY) * Δ D (μm)



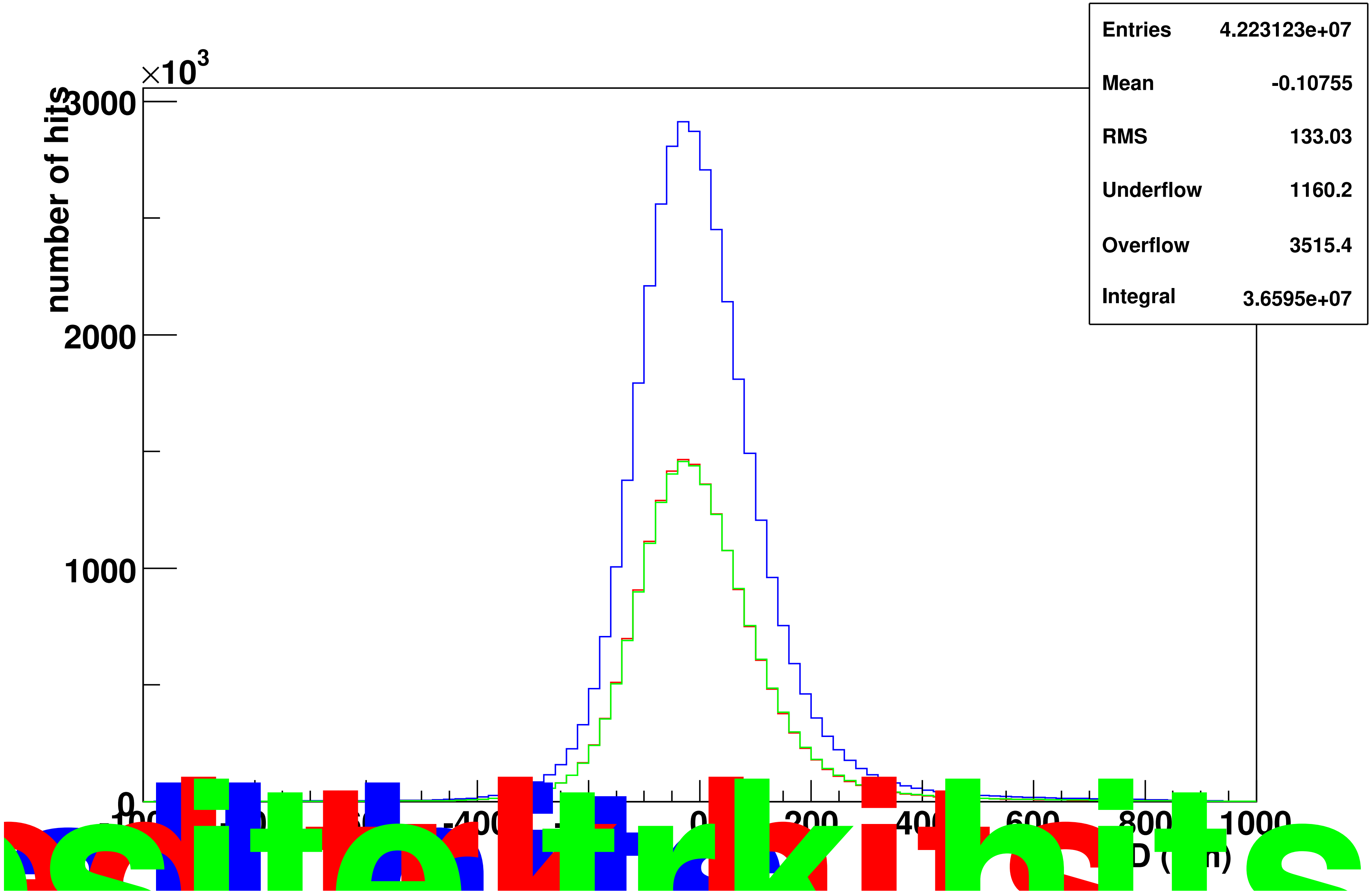
Δ Y (μm)
8
6
4
2
0
-2
-4
-6
-8
-10
-12
-80
-60
-40
-20
0
20
40
60
80
wire number



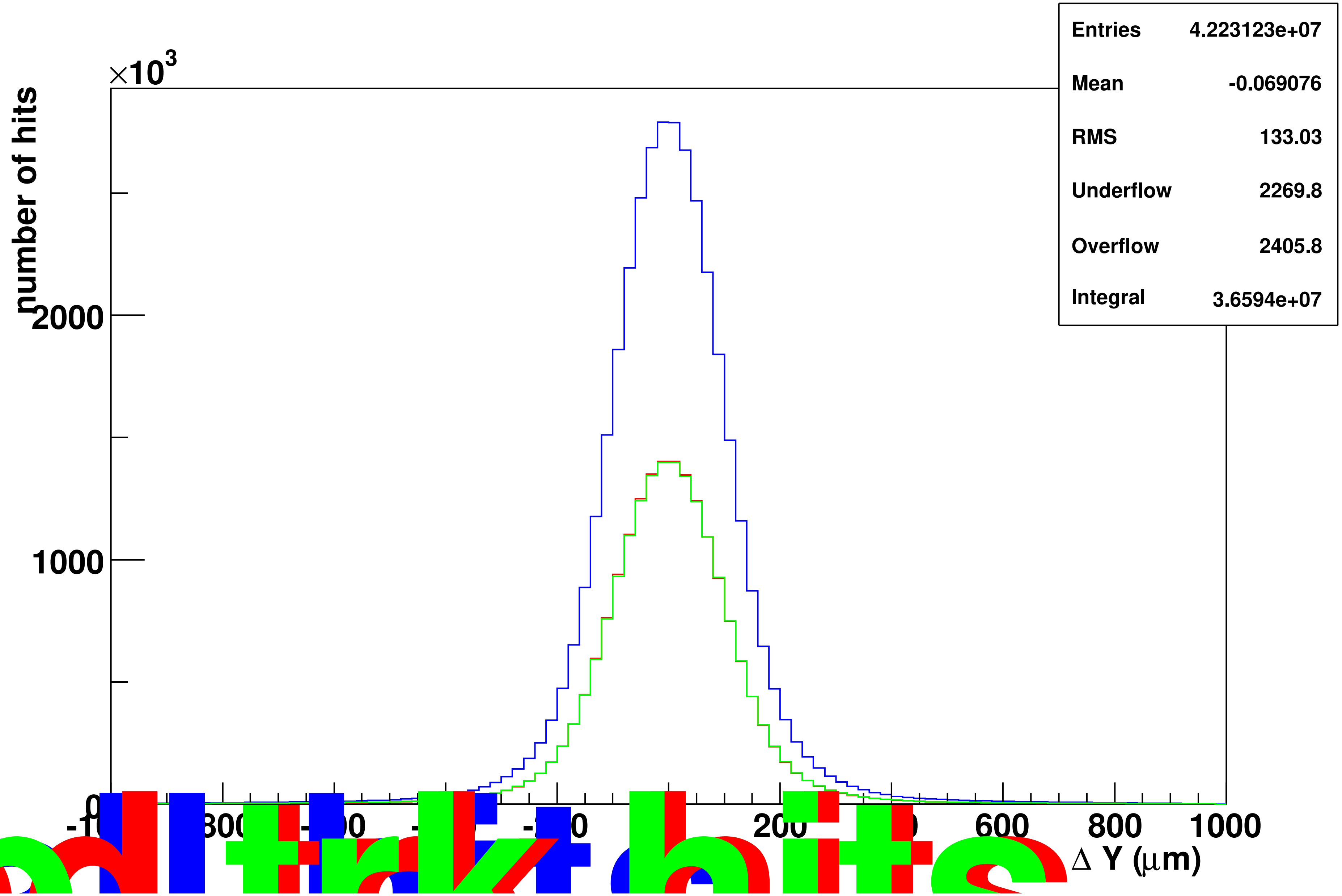
Δ Y (μm)
15
10
5
0
-5
-10
-15
0
10
20
30
40
50
60
70
80
90
wire number

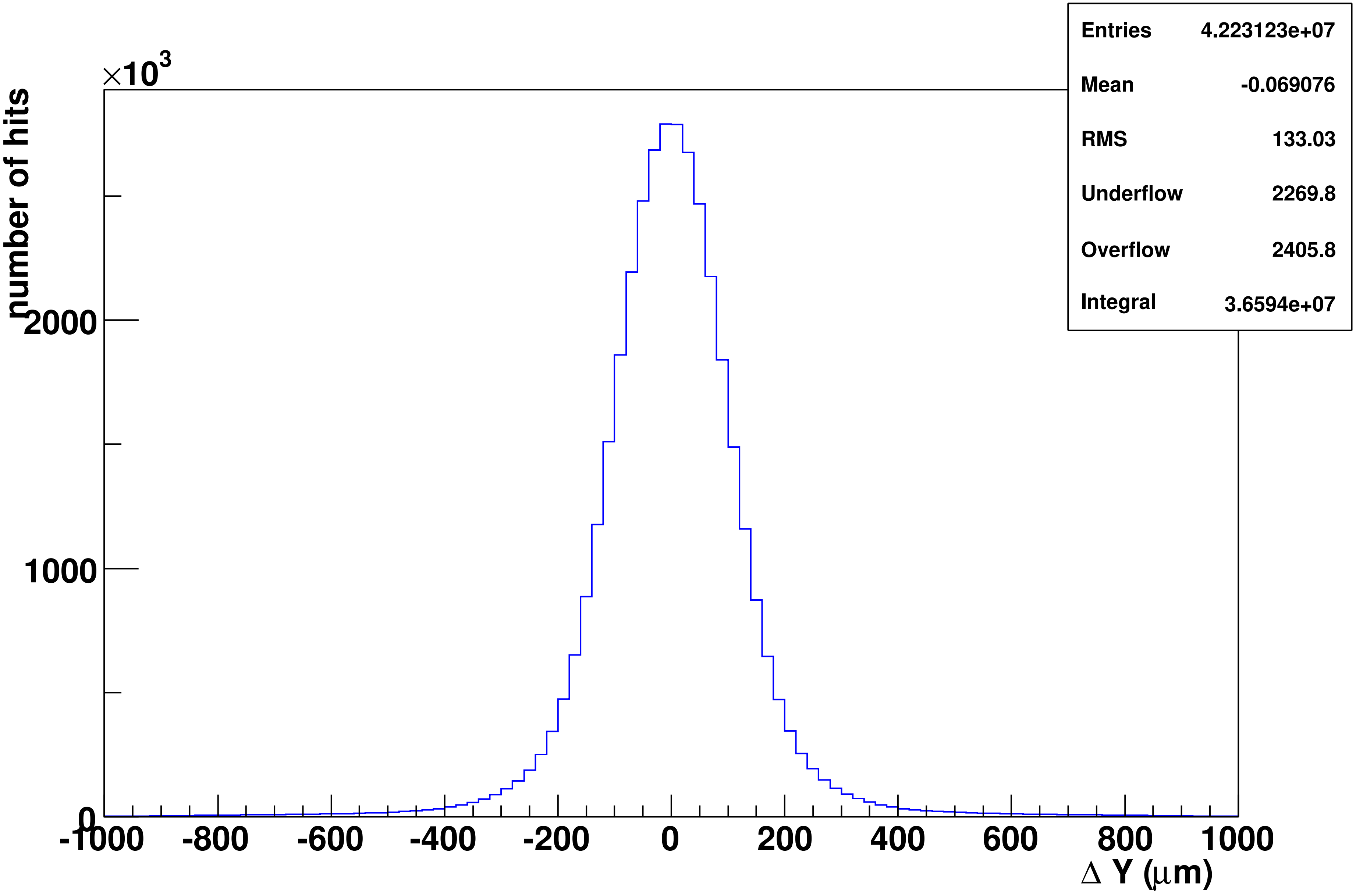


Δ Y (μm)
8
6
4
2
0
-2
-4
-6
-8
-10
-12
0
10
20
30
40
50
60
70
80
90
wire number



Entries 4.223123e+07
Mean -0.10755
RMS 133.03
Underflow 1160.2
Overflow 3515.4
Integral 3.6595e+07
number of hits
×10^3
3000
2000
1000
0
-400
0
200
400
600
800
1000


Entries 4.223123e+07
Mean -0.069076
RMS 133.03
Underflow 2269.8
Overflow 2405.8
Integral 3.6594e+07
$\times 10^3$
number of hits
2000
1000
0
200
600
800
1000
Δ Y (μm)



Entries 4.223123e+07
Mean -0.069076
RMS 133.03
Underflow 2269.8
Overflow 2405.8
Integral 3.6594e+07
$\times 10^3$
number of hits
2000
1000
0
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
Δ Y (μm)