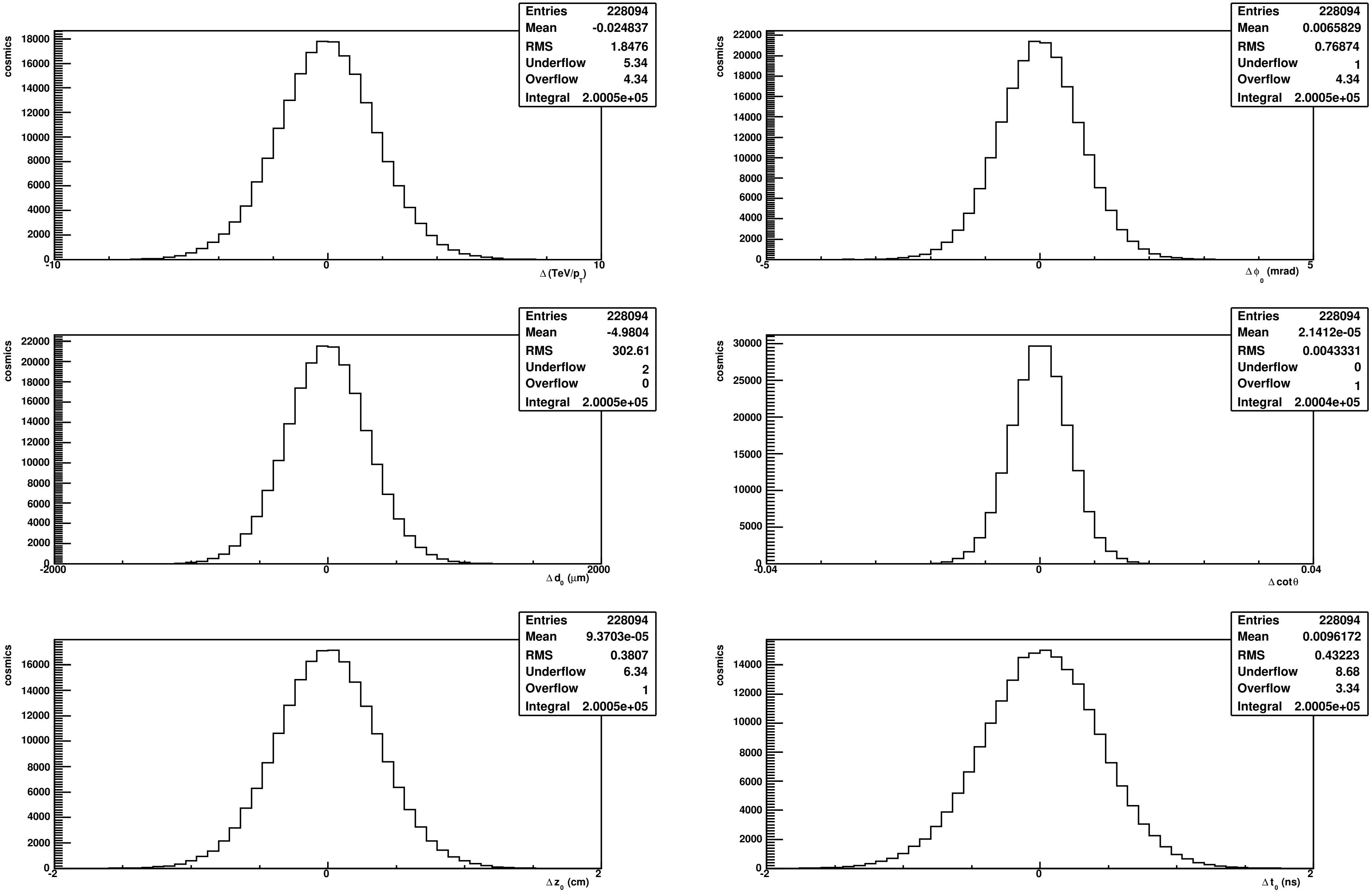
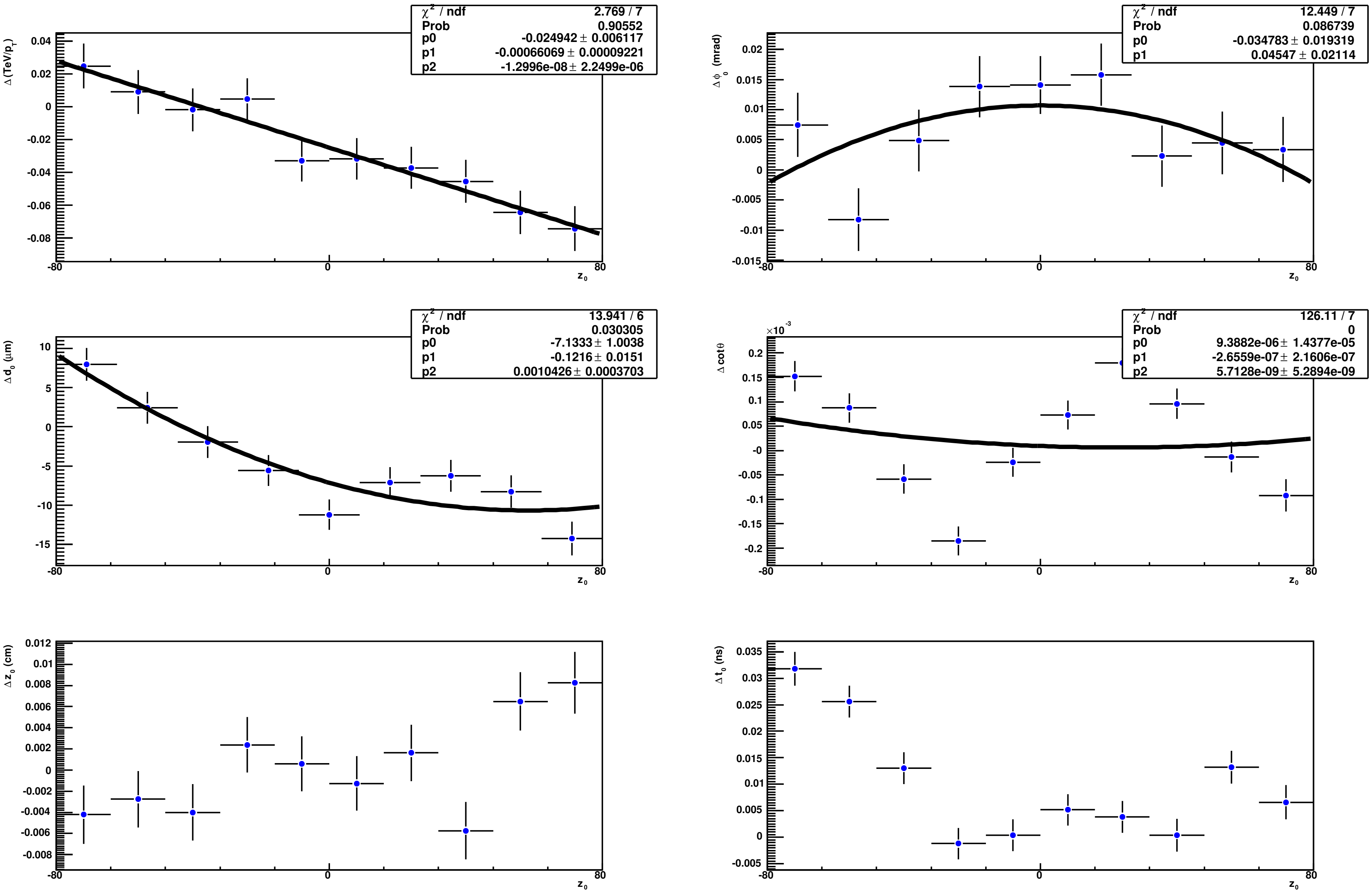
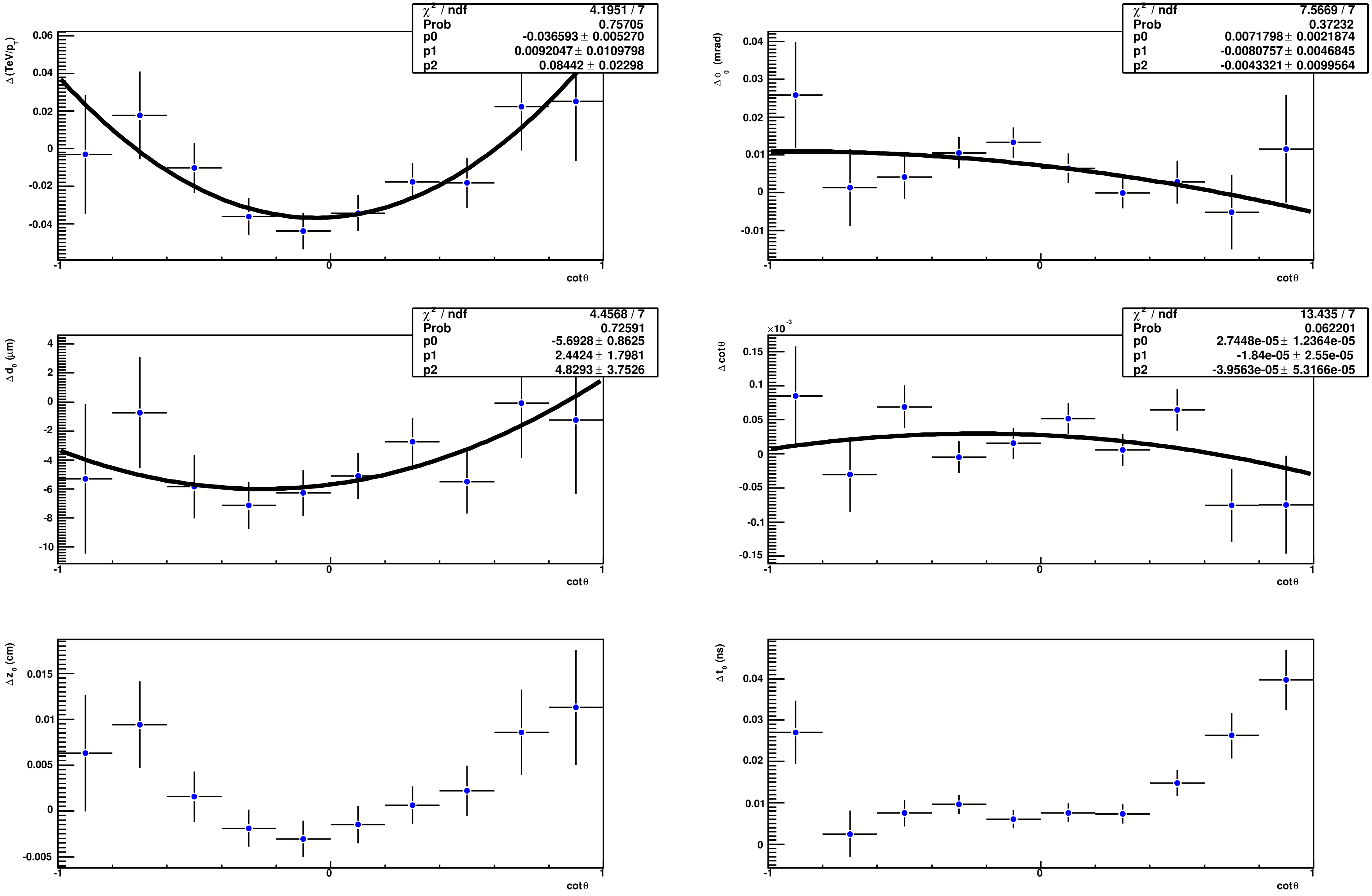
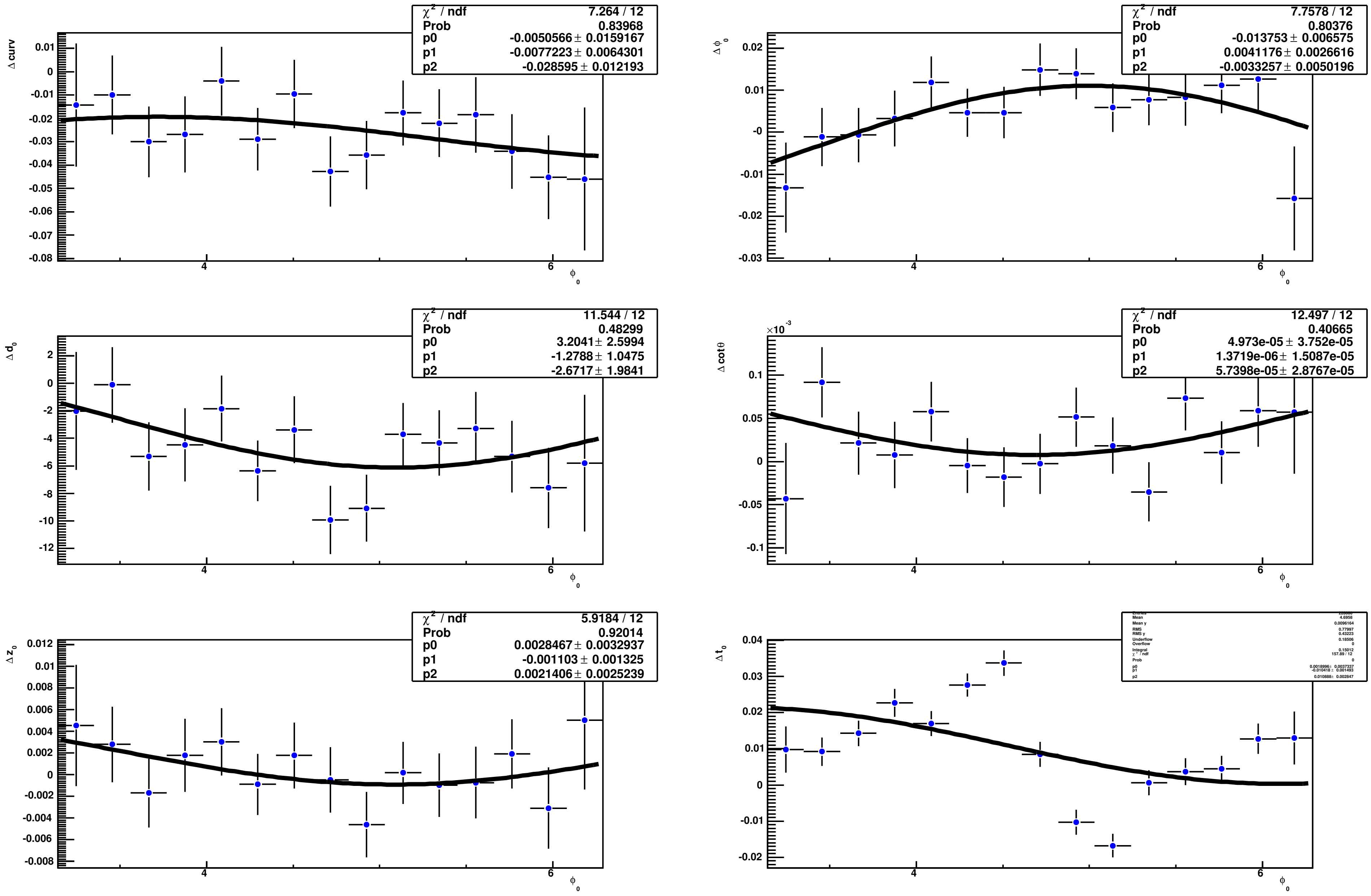

Entries 228094
Mean -0.024837
RMS 1.8476
Underflow 5.34
Overflow 4.34
Integral 2.0005e+05
cosmics
Δ(TeV/p_T)
Entries 228094
Mean 0.0065829
RMS 0.76874
Underflow 1
Overflow 4.34
Integral 2.0005e+05
cosmics
Δφ_0 (mrad)
Entries 228094
Mean -4.9804
RMS 302.61
Underflow 2
Overflow 0
Integral 2.0005e+05
cosmics
Δd_0 (μm)
Entries 228094
Mean 2.1412e-05
RMS 0.0043331
Underflow 0
Overflow 1
Integral 2.0004e+05
cosmics
Δcotθ
Entries 228094
Mean 9.3703e-05
RMS 0.3807
Underflow 6.34
Overflow 1
Integral 2.0005e+05
cosmics
Δz_0 (cm)
Entries 228094
Mean 0.0096172
RMS 0.43223
Underflow 8.68
Overflow 3.34
Integral 2.0005e+05
cosmics
Δt_0 (ns)



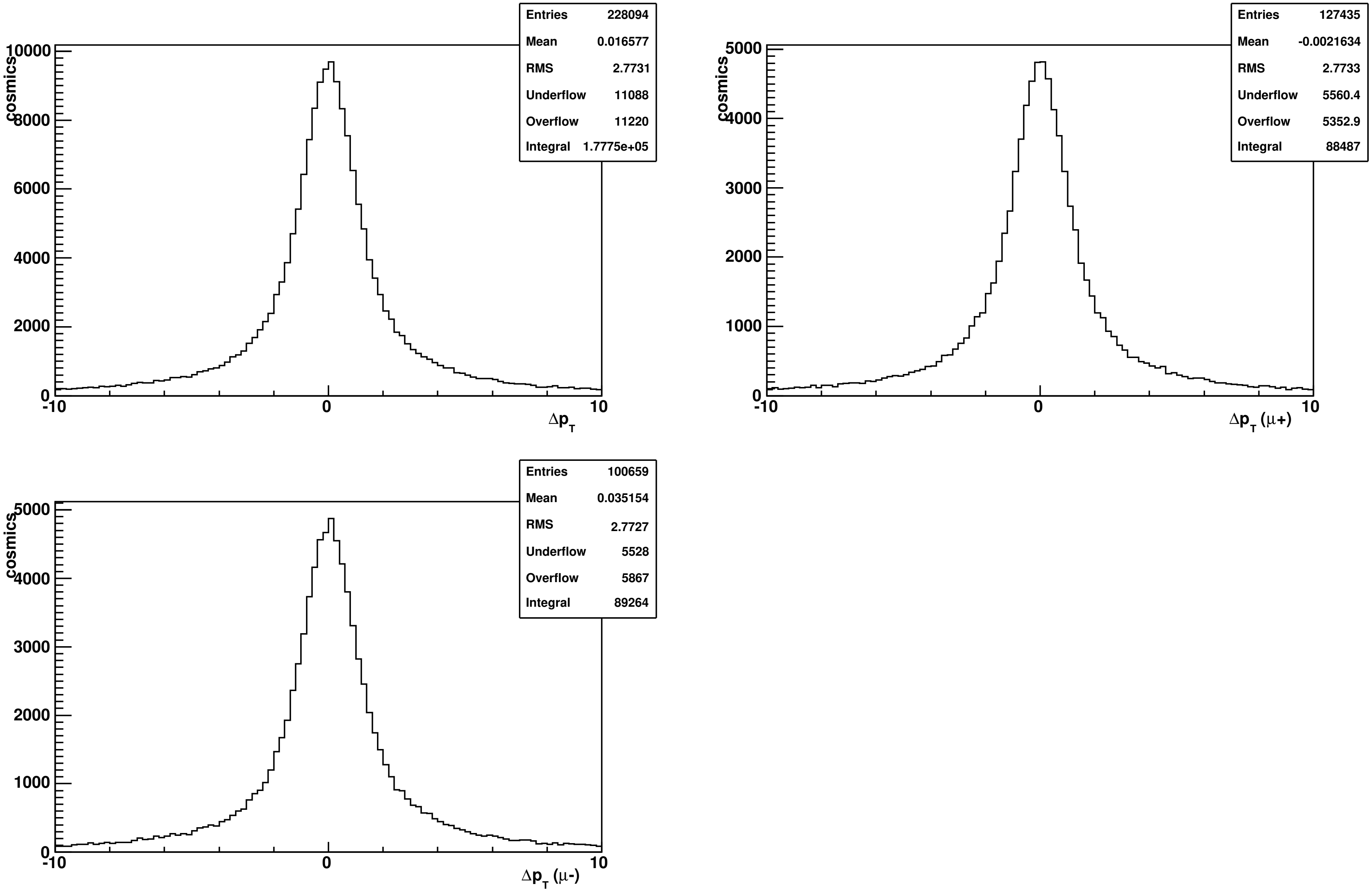
χ^2 / ndf 2.769 / 7
Prob 0.90552
p0 -0.024942 ± 0.006117
p1 -0.00066069 ± 0.00009221
p2 -1.2996e-08 ± 2.2499e-06
Δ(TeV/p_T)
z_0
χ^2 / ndf 12.449 / 7
Prob 0.086739
p0 -0.034783 ± 0.019319
p1 0.04547 ± 0.02114
Δ ϕ_0 (mrad)
z_0
χ^2 / ndf 13.941 / 6
Prob 0.030305
p0 -7.1333 ± 1.0038
p1 -0.1216 ± 0.0151
p2 0.0010426 ± 0.0003703
Δ d_0 (μm)
z_0
χ^2 / ndf 126.11 / 7
Prob 0
p0 9.3882e-06 ± 1.4377e-05
p1 -2.6559e-07 ± 2.1606e-07
p2 5.7128e-09 ± 5.2894e-09
Δ cotθ
×10^{-3}
z_0
Δ z_0 (cm)
z_0
Δ t_0 (ns)
z_0

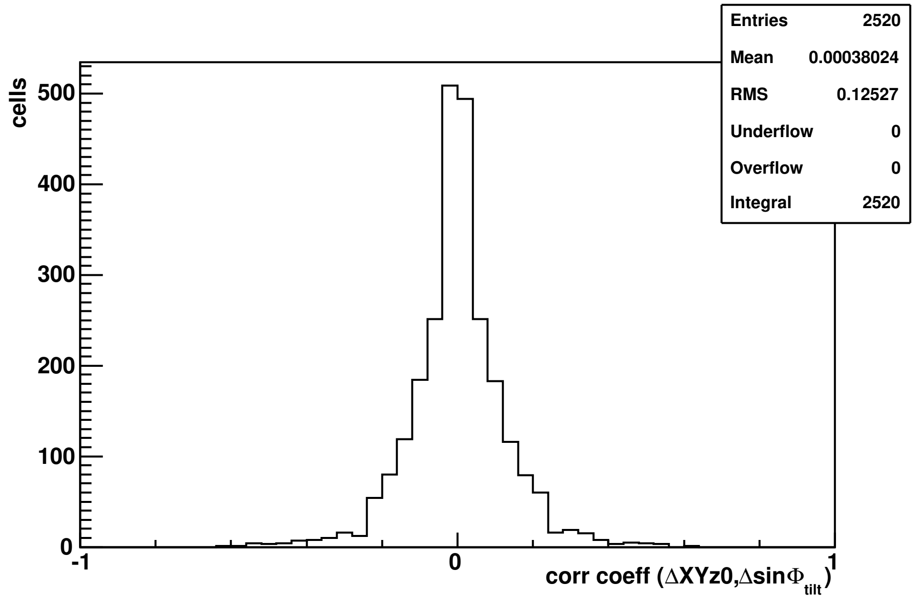


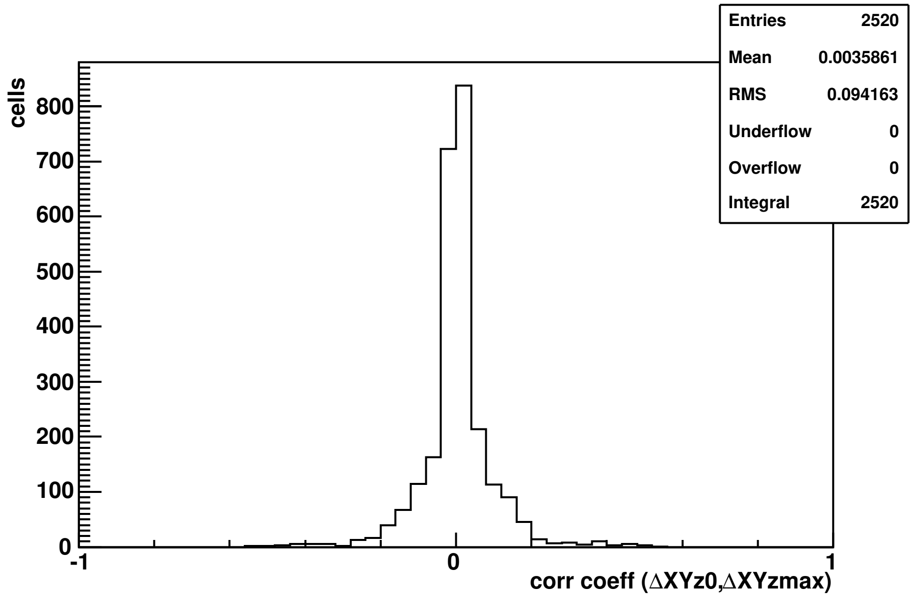
χ² / ndf 4.1951 / 7
Prob 0.75705
p0 -0.036593 ± 0.005270
p1 0.0092047 ± 0.0109798
p2 0.08442 ± 0.02298
Δ(TeV/p_T)
cotθ
χ² / ndf 7.5669 / 7
Prob 0.37232
p0 0.0071798 ± 0.0021874
p1 -0.0080757 ± 0.0046845
p2 -0.0043321 ± 0.0099564
Δφ_0 (mrad)
cotθ
χ² / ndf 4.4568 / 7
Prob 0.72591
p0 -5.6928 ± 0.8625
p1 2.4424 ± 1.7981
p2 4.8293 ± 3.7526
Δd_0 (μm)
cotθ
χ² / ndf 13.435 / 7
Prob 0.062201
p0 2.7448e-05 ± 1.2364e-05
p1 -1.84e-05 ± 2.55e-05
p2 -3.9563e-05 ± 5.3166e-05
×10⁻³
Δcotθ
cotθ
Δz_0 (cm)
cotθ
Δt_0 (ns)
cotθ

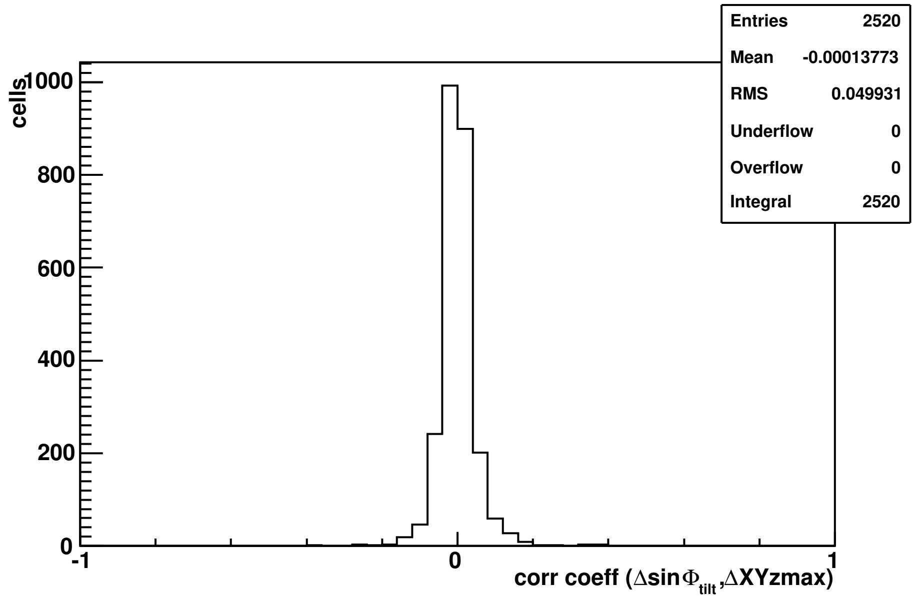


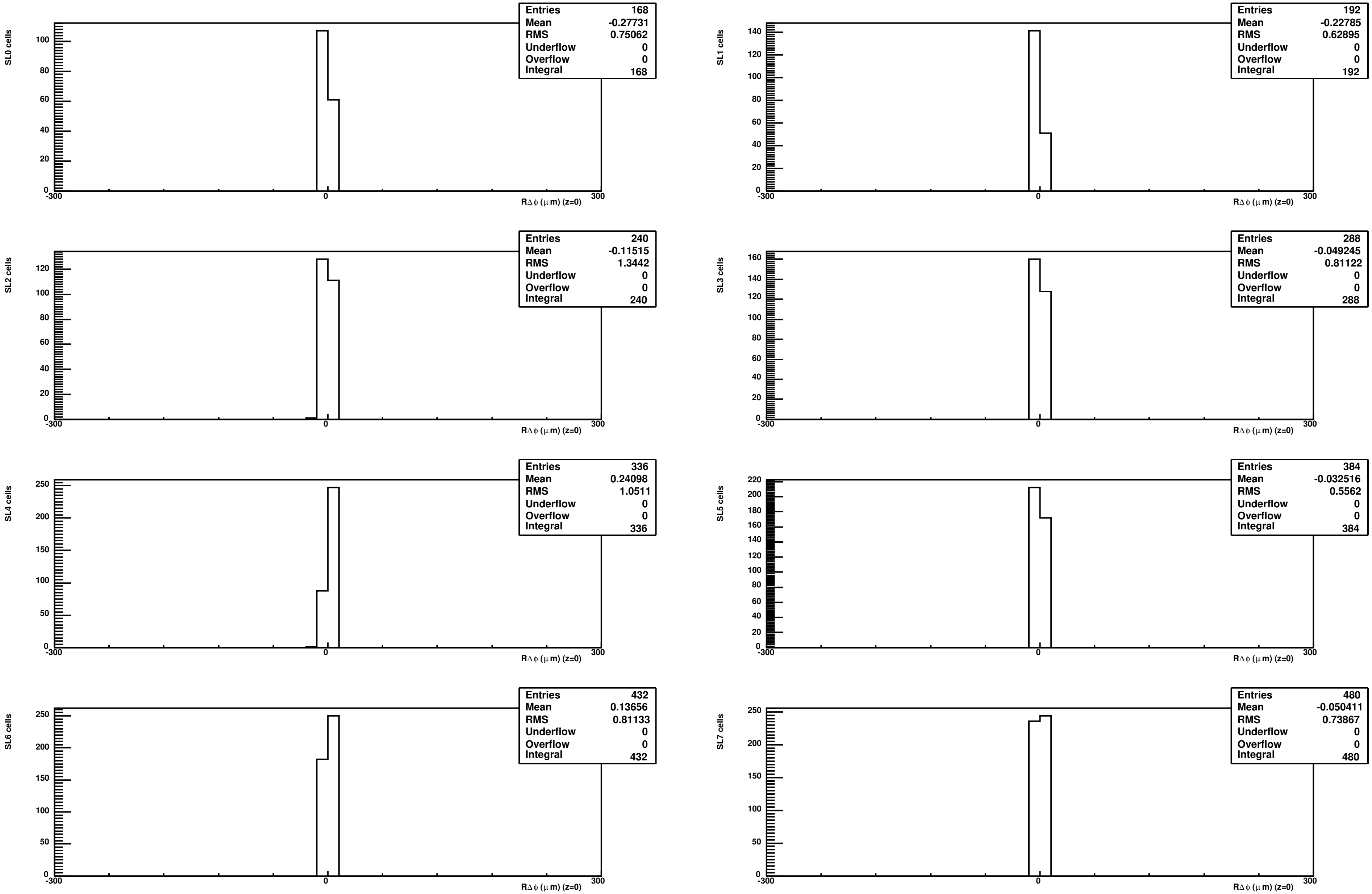
χ² / ndf 7.264 / 12
Prob 0.83968
p0 -0.0050566 ± 0.0159167
p1 -0.0077223 ± 0.0064301
p2 -0.028595 ± 0.012193
Δ curv
φ₀
χ² / ndf 7.7578 / 12
Prob 0.80376
p0 -0.013753 ± 0.006575
p1 0.0041176 ± 0.0026616
p2 -0.0033257 ± 0.0050196
Δ φ₀
φ₀
χ² / ndf 11.544 / 12
Prob 0.48299
p0 3.2041 ± 2.5994
p1 -1.2788 ± 1.0475
p2 -2.6717 ± 1.9841
Δ d₀
φ₀
χ² / ndf 12.497 / 12
Prob 0.40665
p0 4.973e-05 ± 3.752e-05
p1 1.3719e-06 ± 1.5087e-05
p2 5.7398e-05 ± 2.8767e-05
×10⁻³
Δ cotθ
φ₀
χ² / ndf 5.9184 / 12
Prob 0.92014
p0 0.0028467 ± 0.0032937
p1 -0.001103 ± 0.001325
p2 0.0021406 ± 0.0025239
Δ z₀
φ₀
Mean 4.6958
Mean y 0.0096164
RMS 0.77997
RMS y 0.43223
Underflow 0.18506
Overflow 0
Integral 0.15012
χ² / ndf 157.89 / 12
Prob 0
p0 0.0018996 ± 0.0037337
p1 -0.010418 ± 0.001493
p2 0.010888 ± 0.002847
Δ t₀
φ₀


Entries 228094
Mean 0.016577
RMS 2.7731
Underflow 11088
Overflow 11220
Integral 1.7775e+05
cosmics
10000
8000
6000
4000
2000
0
-10
0
10
Δp_T
Entries 127435
Mean -0.0021634
RMS 2.7733
Underflow 5560.4
Overflow 5352.9
Integral 88487
cosmics
5000
4000
3000
2000
1000
0
-10
0
10
Δp_T (μ+)
Entries 100659
Mean 0.035154
RMS 2.7727
Underflow 5528
Overflow 5867
Integral 89264
cosmics
5000
4000
3000
2000
1000
0
-10
0
10
Δp_T (μ-)

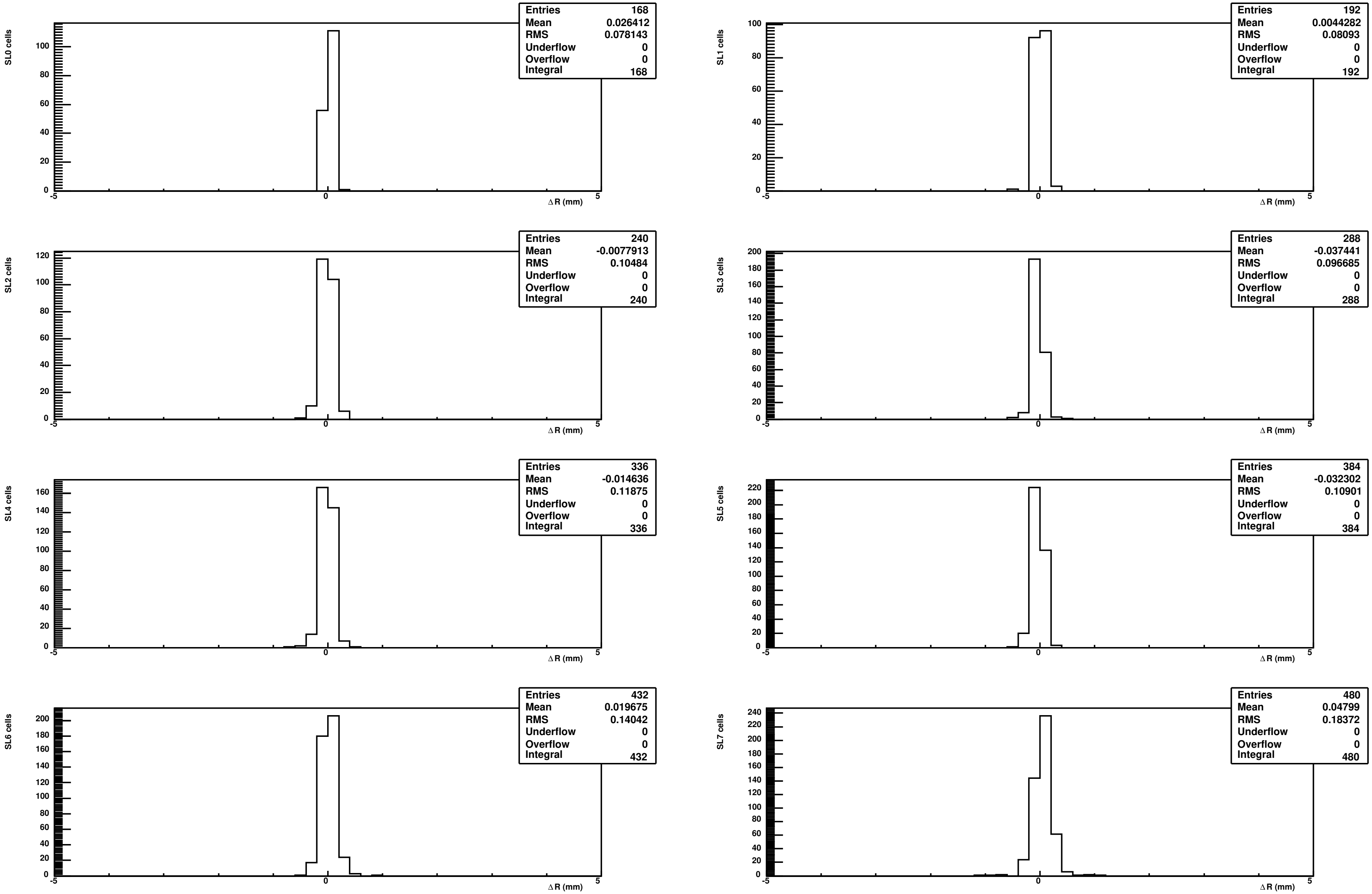

Entries 2520
Mean 0.00038024
RMS 0.12527
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔXYz0,ΔsinΦ_tilt)


Entries 2520
Mean 0.0035861
RMS 0.094163
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔXYz0,ΔXYzmax)

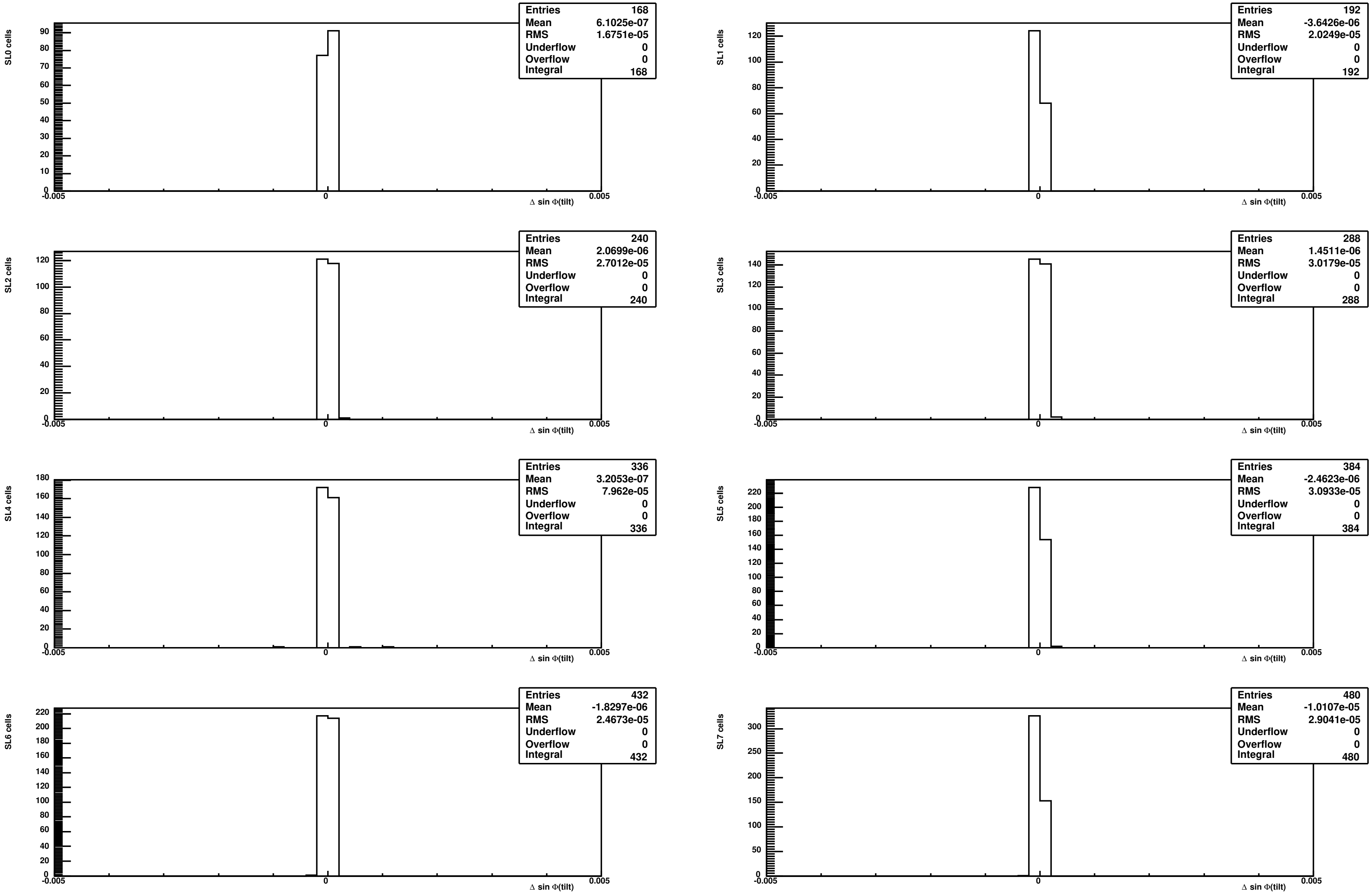

Entries 2520
Mean -0.00013773
RMS 0.049931
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔsinΦ_tilt,ΔXYzmax)

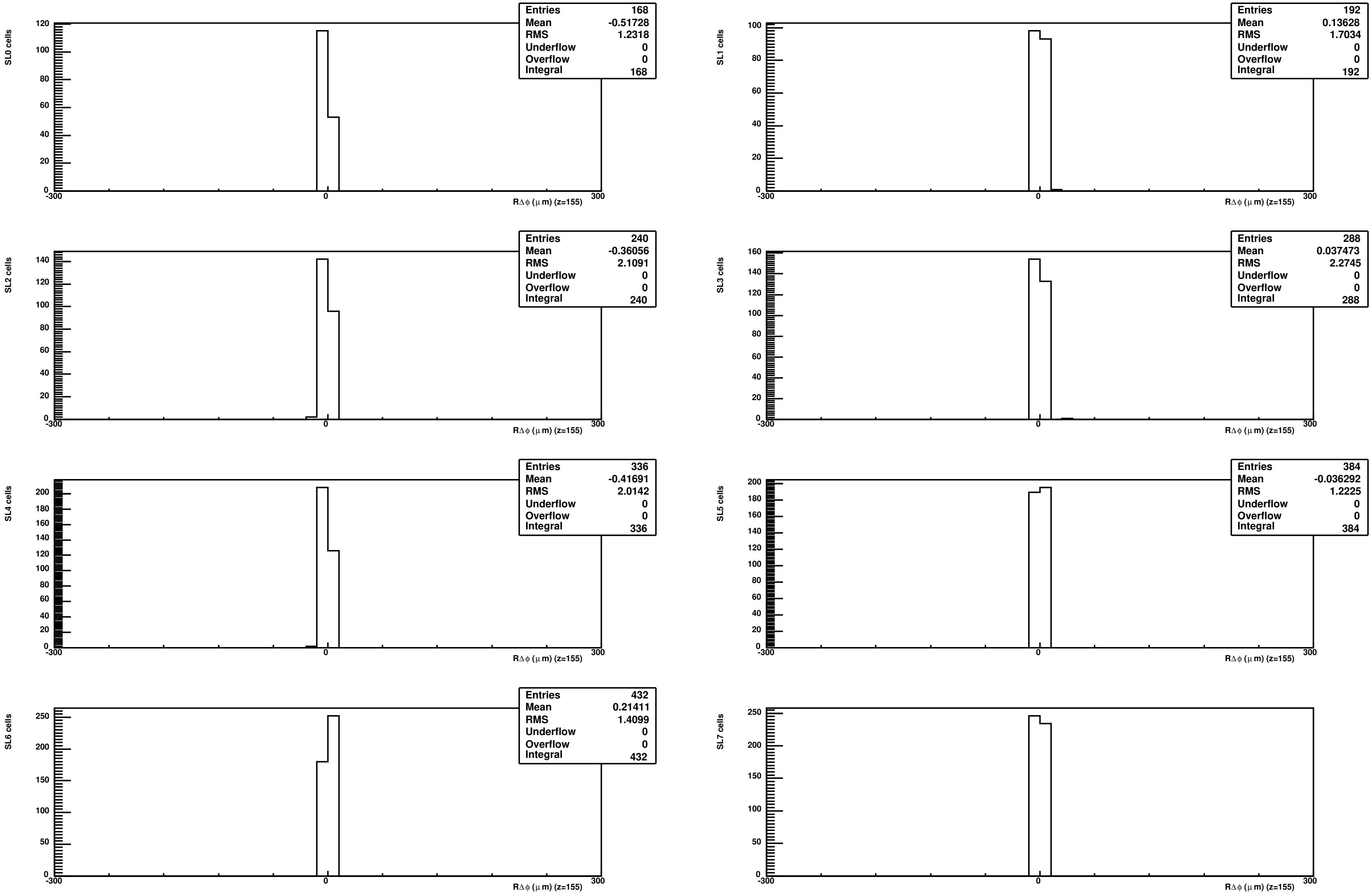


SL0 cells
Entries 168
Mean -0.27731
RMS 0.75062
Underflow 0
Overflow 0
Integral 168
RΔϕ (μm) (z=0)
SL1 cells
Entries 192
Mean -0.22785
RMS 0.62895
Underflow 0
Overflow 0
Integral 192
RΔϕ (μm) (z=0)
SL2 cells
Entries 240
Mean -0.11515
RMS 1.3442
Underflow 0
Overflow 0
Integral 240
RΔϕ (μm) (z=0)
SL3 cells
Entries 288
Mean -0.049245
RMS 0.81122
Underflow 0
Overflow 0
Integral 288
RΔϕ (μm) (z=0)
SL4 cells
Entries 336
Mean 0.24098
RMS 1.0511
Underflow 0
Overflow 0
Integral 336
RΔϕ (μm) (z=0)
SL5 cells
Entries 384
Mean -0.032516
RMS 0.5562
Underflow 0
Overflow 0
Integral 384
RΔϕ (μm) (z=0)
SL6 cells
Entries 432
Mean 0.13656
RMS 0.81133
Underflow 0
Overflow 0
Integral 432
RΔϕ (μm) (z=0)
SL7 cells
Entries 480
Mean -0.050411
RMS 0.73867
Underflow 0
Overflow 0
Integral 480
RΔϕ (μm) (z=0)

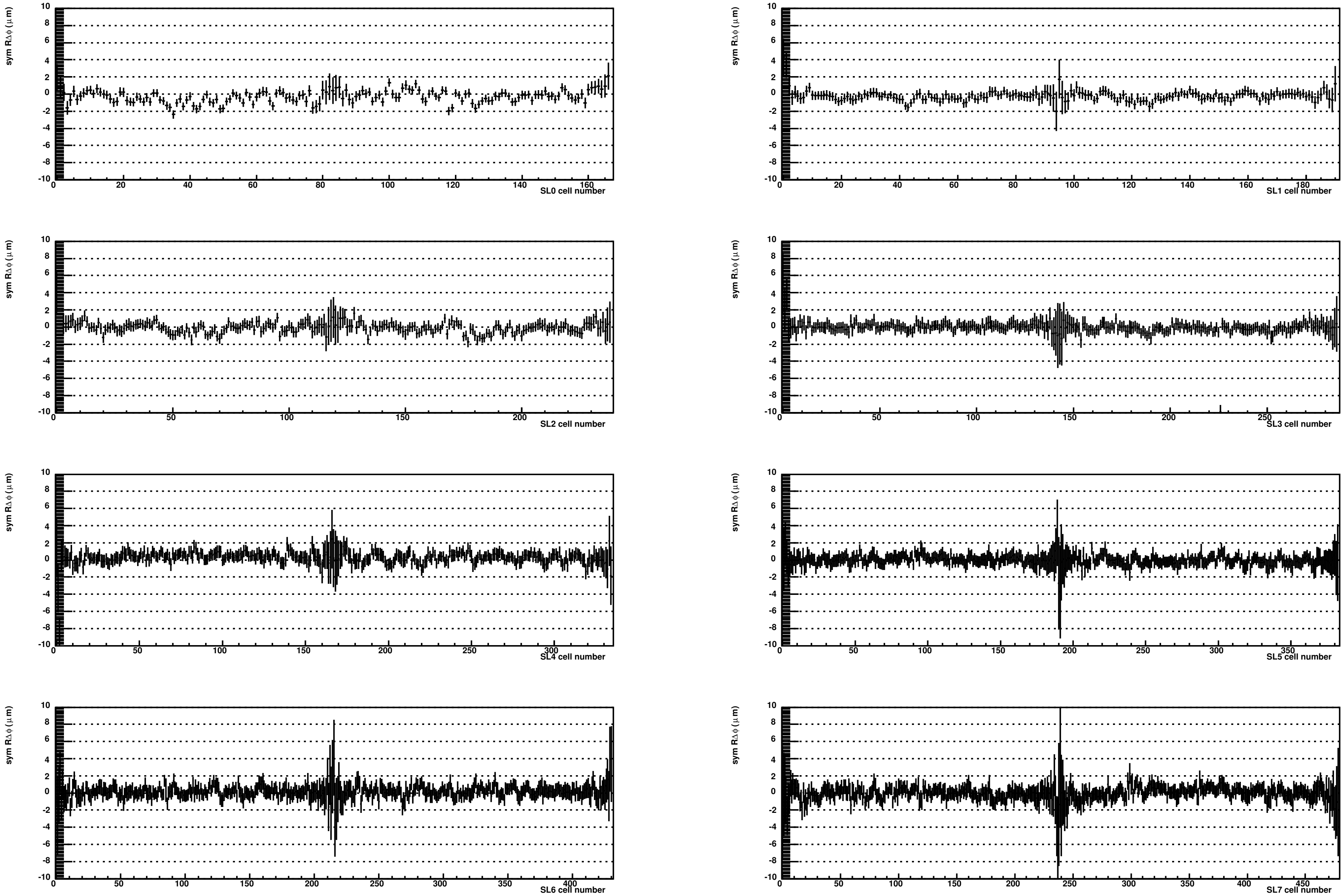


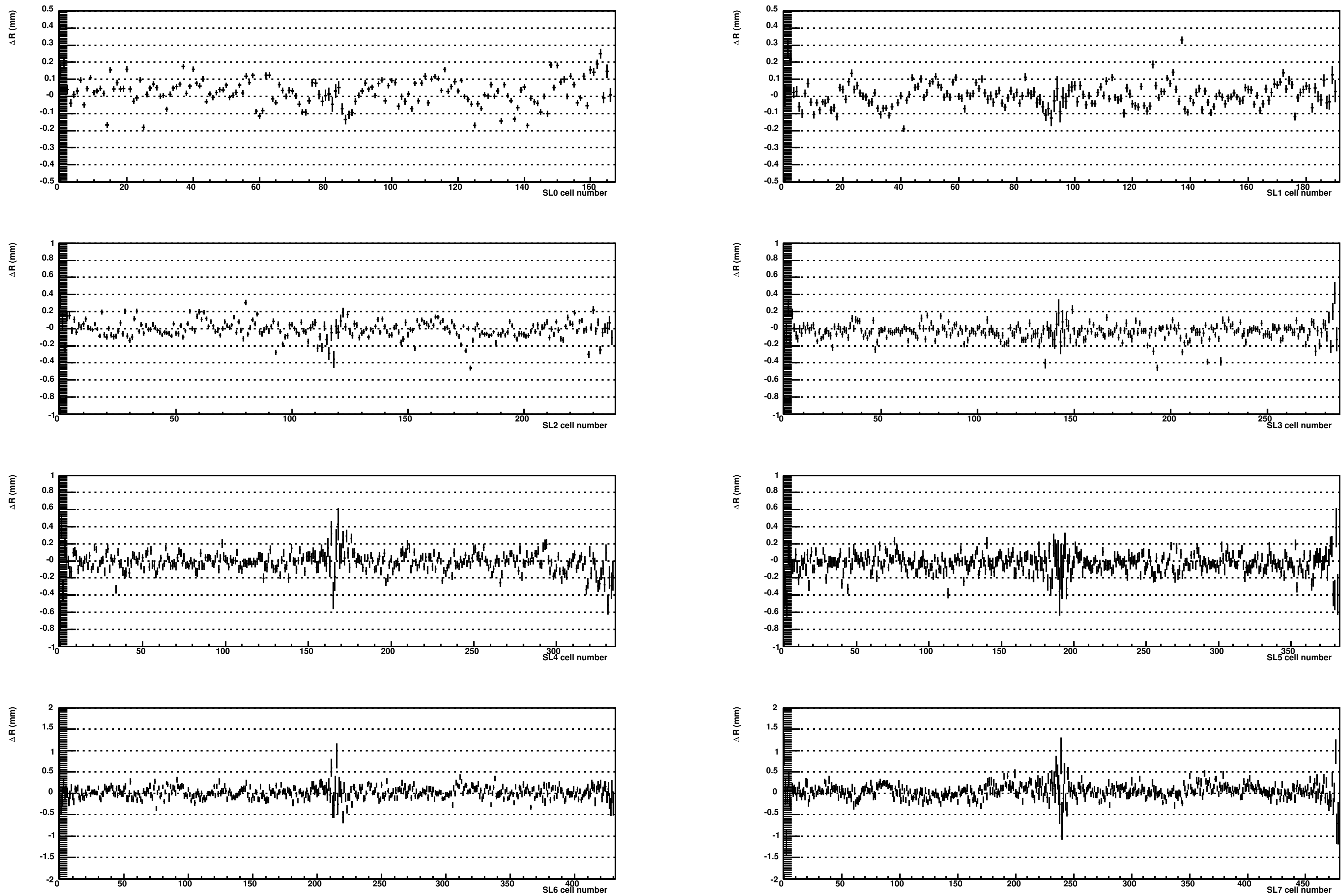
Entries 168
Mean 0.026412
RMS 0.078143
Underflow 0
Overflow 0
Integral 168
SL0 cells
ΔR (mm)
Entries 192
Mean 0.0044282
RMS 0.08093
Underflow 0
Overflow 0
Integral 192
SL1 cells
ΔR (mm)
Entries 240
Mean -0.0077913
RMS 0.10484
Underflow 0
Overflow 0
Integral 240
SL2 cells
ΔR (mm)
Entries 288
Mean -0.037441
RMS 0.096685
Underflow 0
Overflow 0
Integral 288
SL3 cells
ΔR (mm)
Entries 336
Mean -0.014636
RMS 0.11875
Underflow 0
Overflow 0
Integral 336
SL4 cells
ΔR (mm)
Entries 384
Mean -0.032302
RMS 0.10901
Underflow 0
Overflow 0
Integral 384
SL5 cells
ΔR (mm)
Entries 432
Mean 0.019675
RMS 0.14042
Underflow 0
Overflow 0
Integral 432
SL6 cells
ΔR (mm)
Entries 480
Mean 0.04799
RMS 0.18372
Underflow 0
Overflow 0
Integral 480
SL7 cells
ΔR (mm)


SL0 cells
Entries 168
Mean 6.1025e-07
RMS 1.6751e-05
Underflow 0
Overflow 0
Integral 168
Δ sin Φ(tilt)
-0.005
0
0.005
SL1 cells
Entries 192
Mean -3.6426e-06
RMS 2.0249e-05
Underflow 0
Overflow 0
Integral 192
Δ sin Φ(tilt)
SL2 cells
Entries 240
Mean 2.0699e-06
RMS 2.7012e-05
Underflow 0
Overflow 0
Integral 240
Δ sin Φ(tilt)
SL3 cells
Entries 288
Mean 1.4511e-06
RMS 3.0179e-05
Underflow 0
Overflow 0
Integral 288
Δ sin Φ(tilt)
SL4 cells
Entries 336
Mean 3.2053e-07
RMS 7.962e-05
Underflow 0
Overflow 0
Integral 336
Δ sin Φ(tilt)
SL5 cells
Entries 384
Mean -2.4623e-06
RMS 3.0933e-05
Underflow 0
Overflow 0
Integral 384
Δ sin Φ(tilt)
SL6 cells
Entries 432
Mean -1.8297e-06
RMS 2.4673e-05
Underflow 0
Overflow 0
Integral 432
Δ sin Φ(tilt)
SL7 cells
Entries 480
Mean -1.0107e-05
RMS 2.9041e-05
Underflow 0
Overflow 0
Integral 480
Δ sin Φ(tilt)

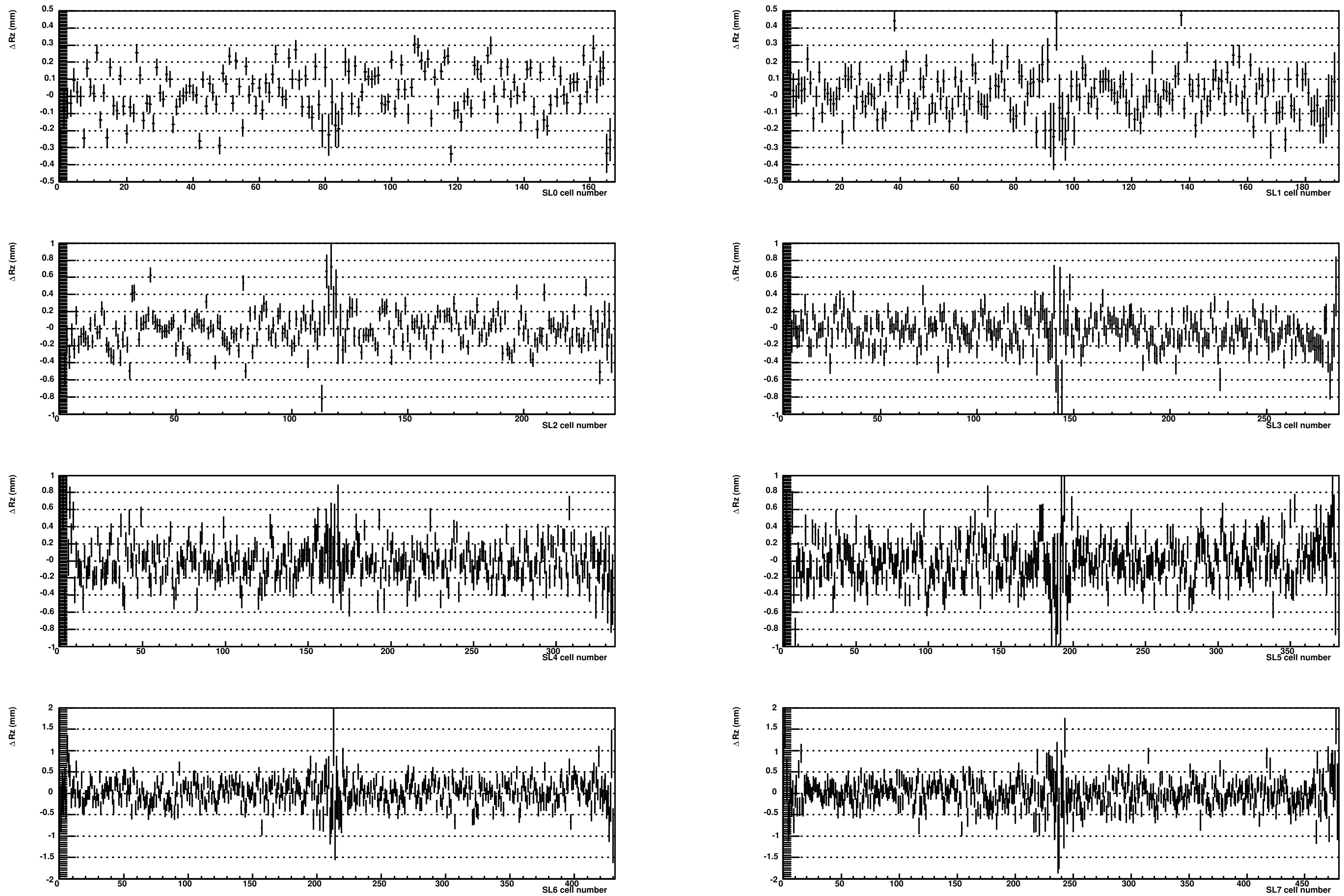


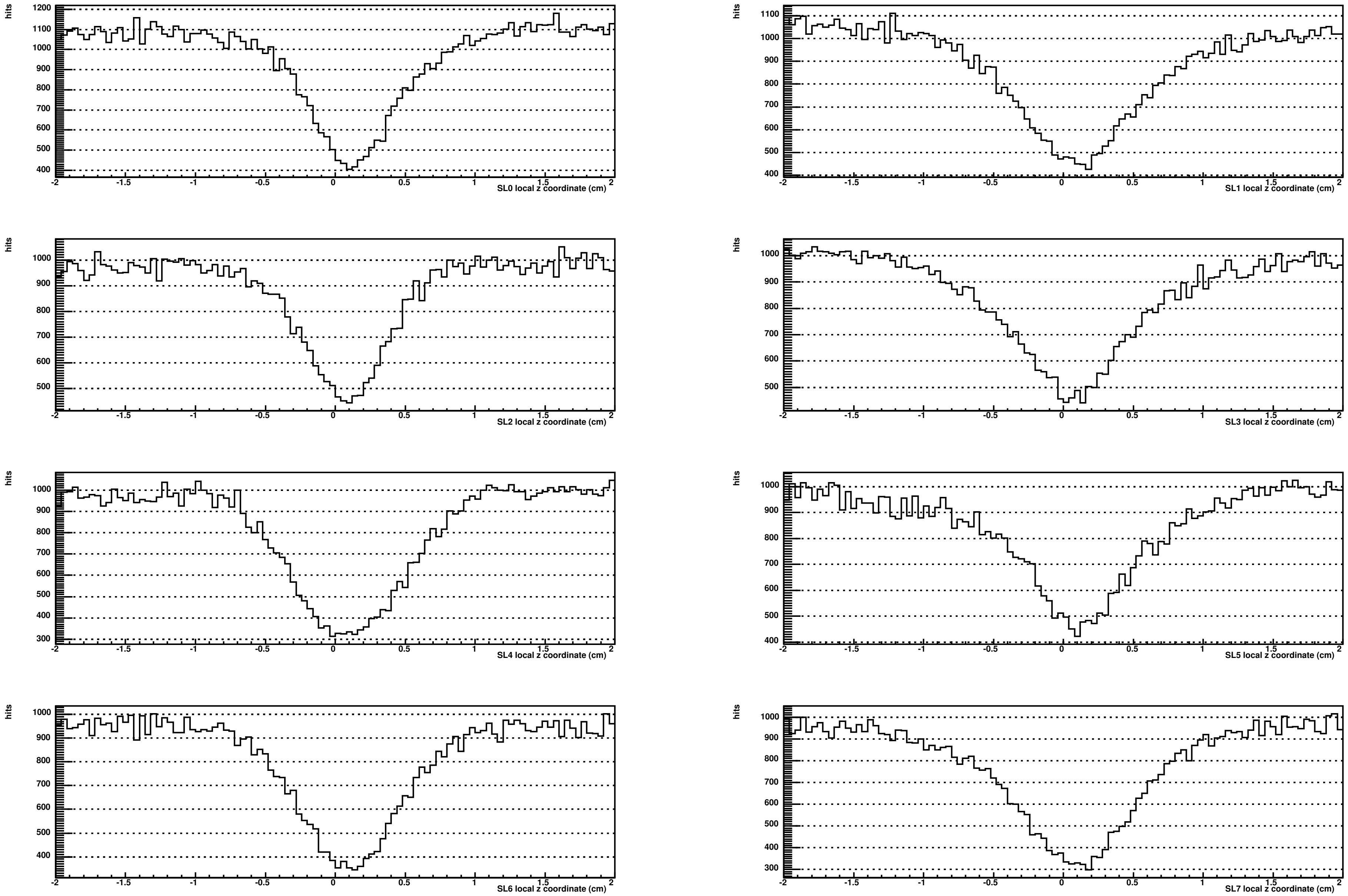
SL0 cells
Entries 168
Mean -0.51728
RMS 1.2318
Underflow 0
Overflow 0
Integral 168
RΔφ (μm) (z=155)
SL1 cells
Entries 192
Mean 0.13628
RMS 1.7034
Underflow 0
Overflow 0
Integral 192
RΔφ (μm) (z=155)
SL2 cells
Entries 240
Mean -0.36056
RMS 2.1091
Underflow 0
Overflow 0
Integral 240
RΔφ (μm) (z=155)
SL3 cells
Entries 288
Mean 0.037473
RMS 2.2745
Underflow 0
Overflow 0
Integral 288
RΔφ (μm) (z=155)
SL4 cells
Entries 336
Mean -0.41691
RMS 2.0142
Underflow 0
Overflow 0
Integral 336
RΔφ (μm) (z=155)
SL5 cells
Entries 384
Mean -0.036292
RMS 1.2225
Underflow 0
Overflow 0
Integral 384
RΔφ (μm) (z=155)
SL6 cells
Entries 432
Mean 0.21411
RMS 1.4099
Underflow 0
Overflow 0
Integral 432
RΔφ (μm) (z=155)
SL7 cells
RΔφ (μm) (z=155)

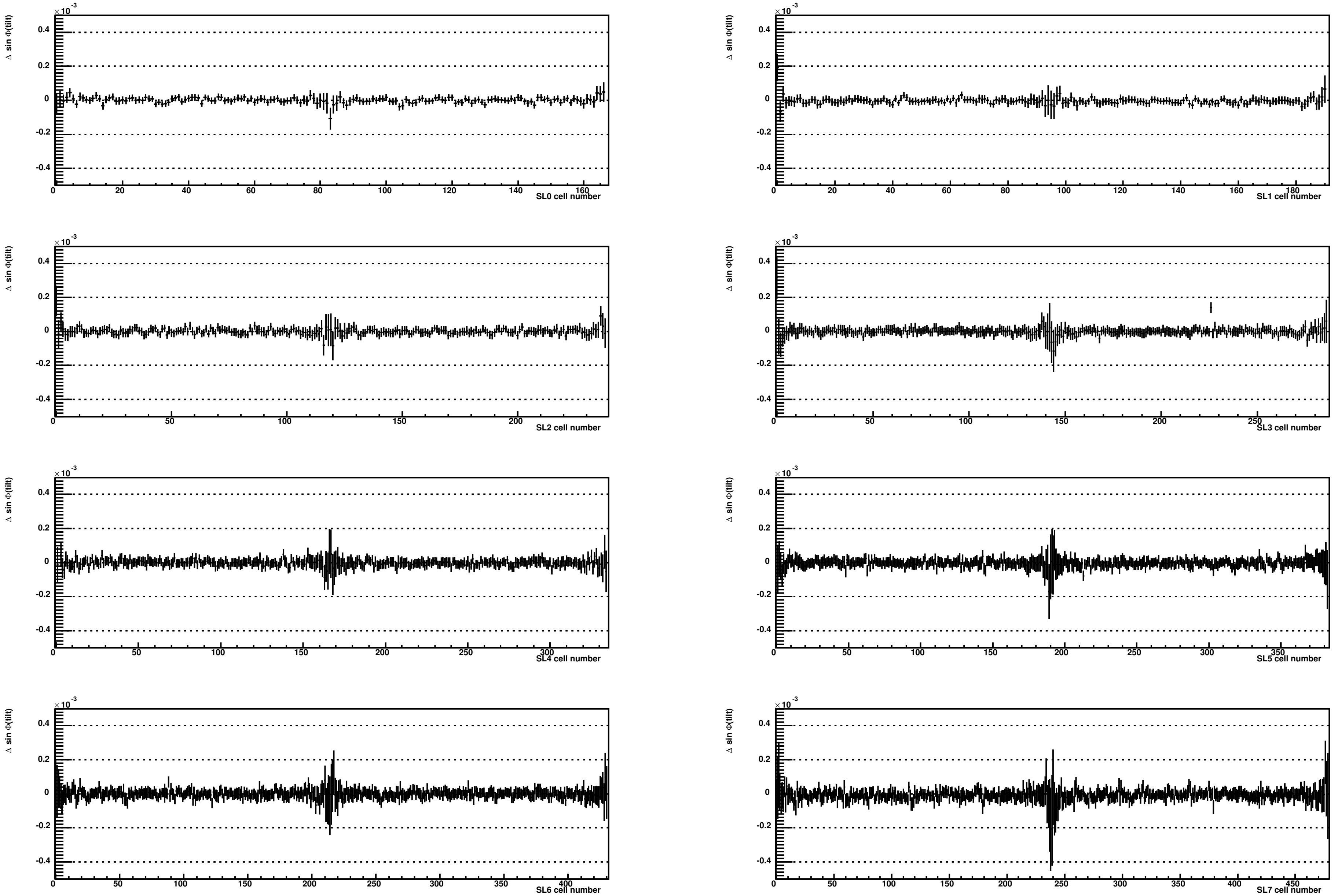

sym RΔφ (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



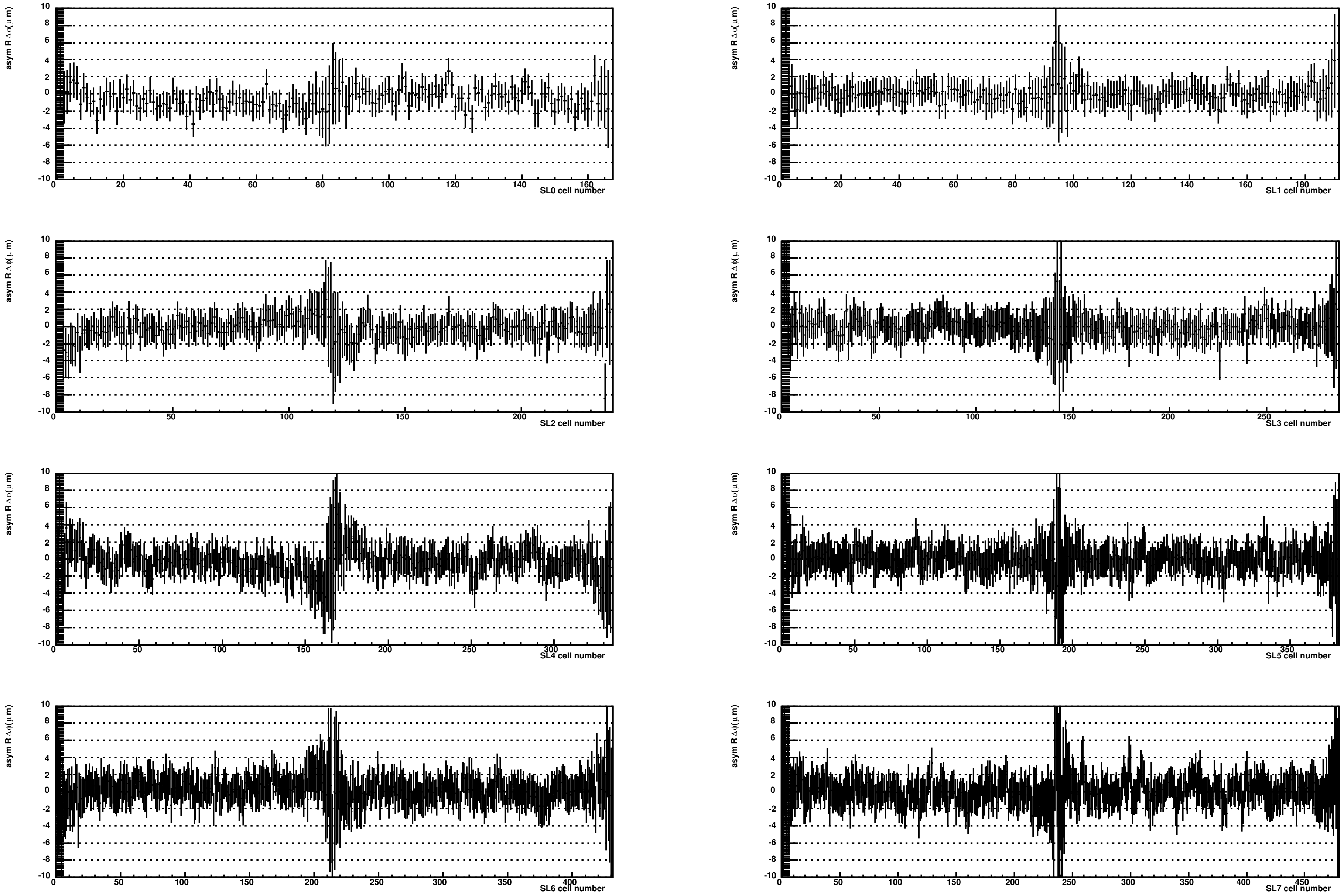
ΔR (mm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number


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

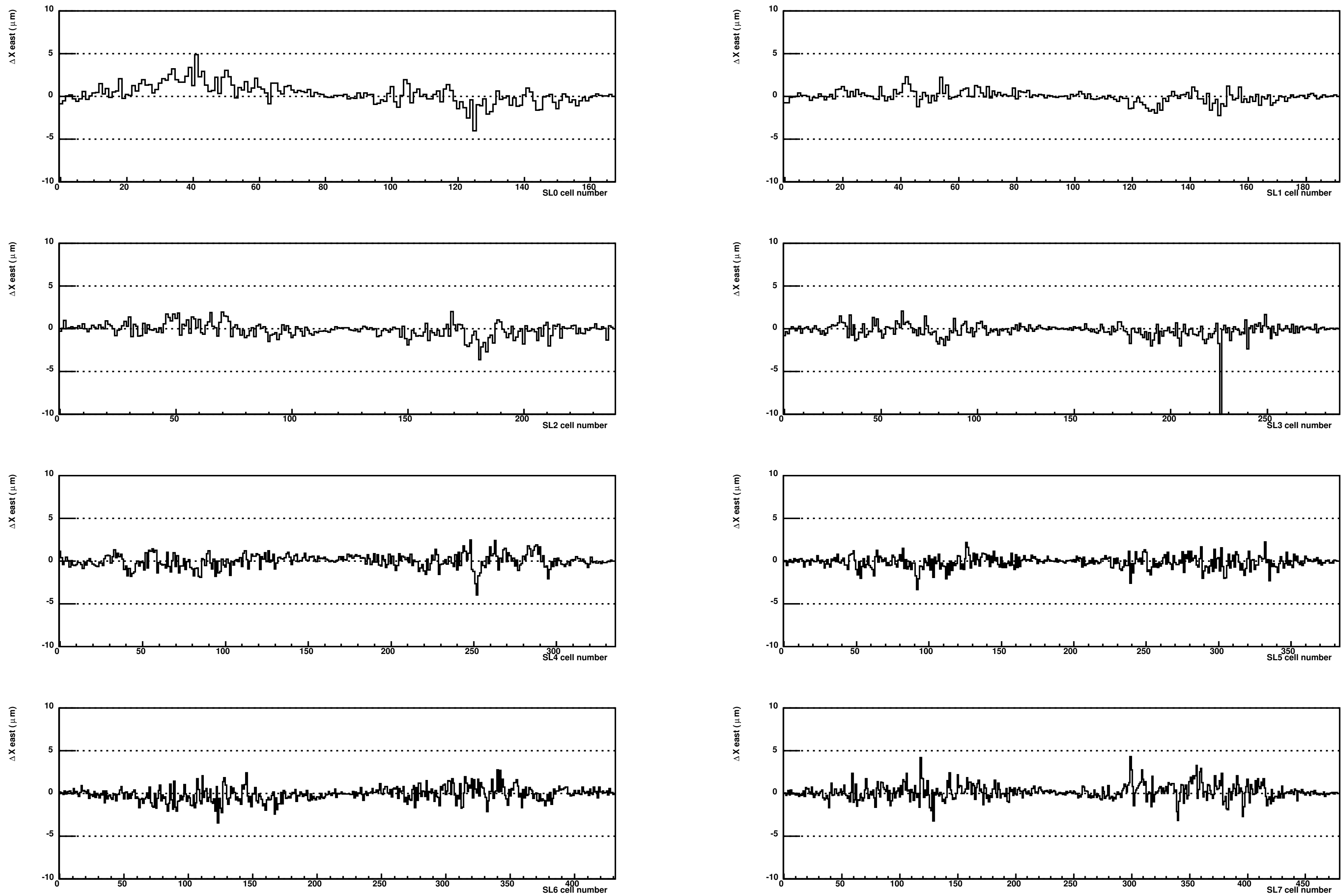

hits
SL0 local z coordinate (cm)
hits
SL1 local z coordinate (cm)
hits
SL2 local z coordinate (cm)
hits
SL3 local z coordinate (cm)
hits
SL4 local z coordinate (cm)
hits
SL5 local z coordinate (cm)
hits
SL6 local z coordinate (cm)
hits
SL7 local z coordinate (cm)



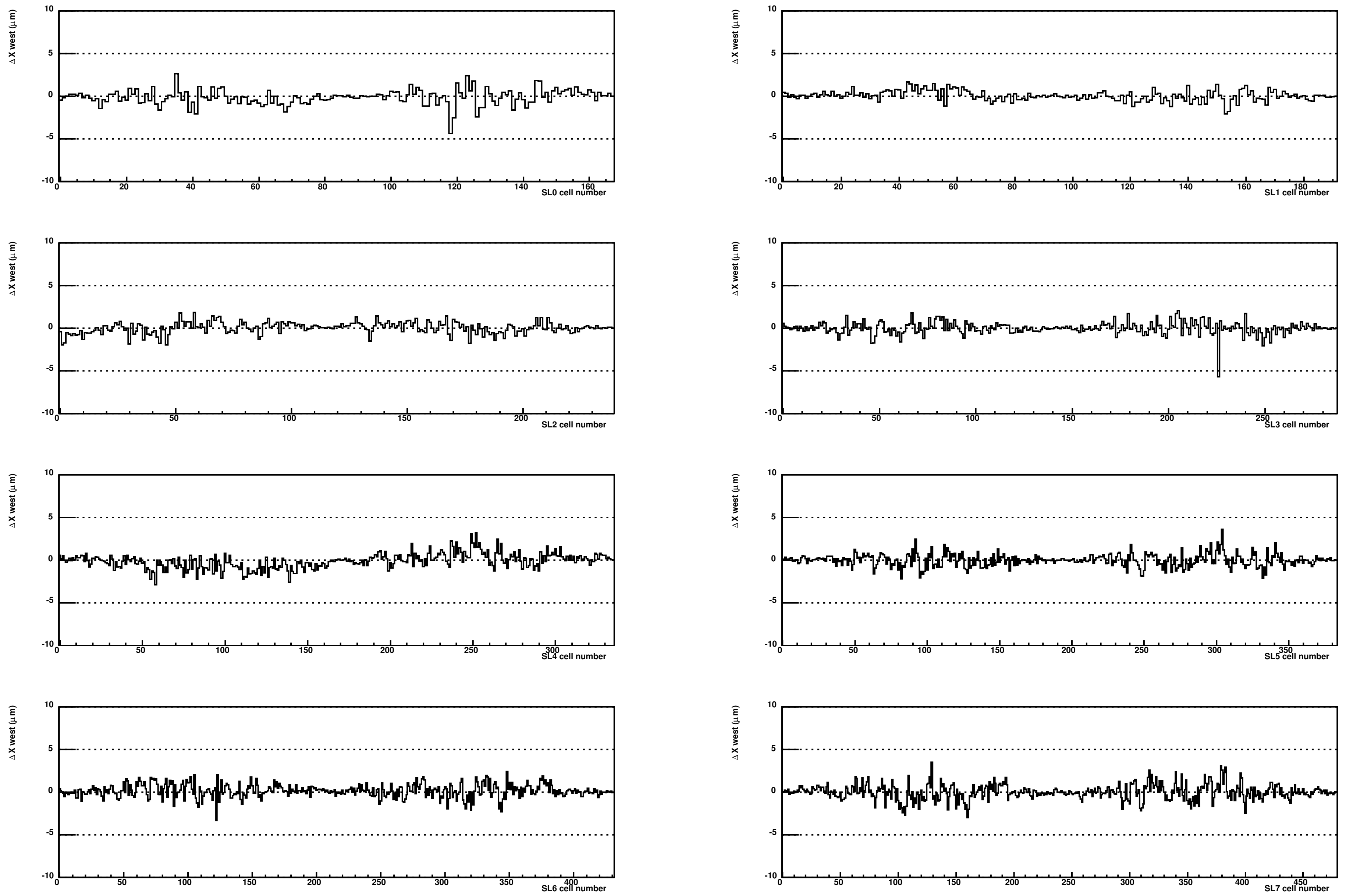
Δ sin Φ(tilt)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



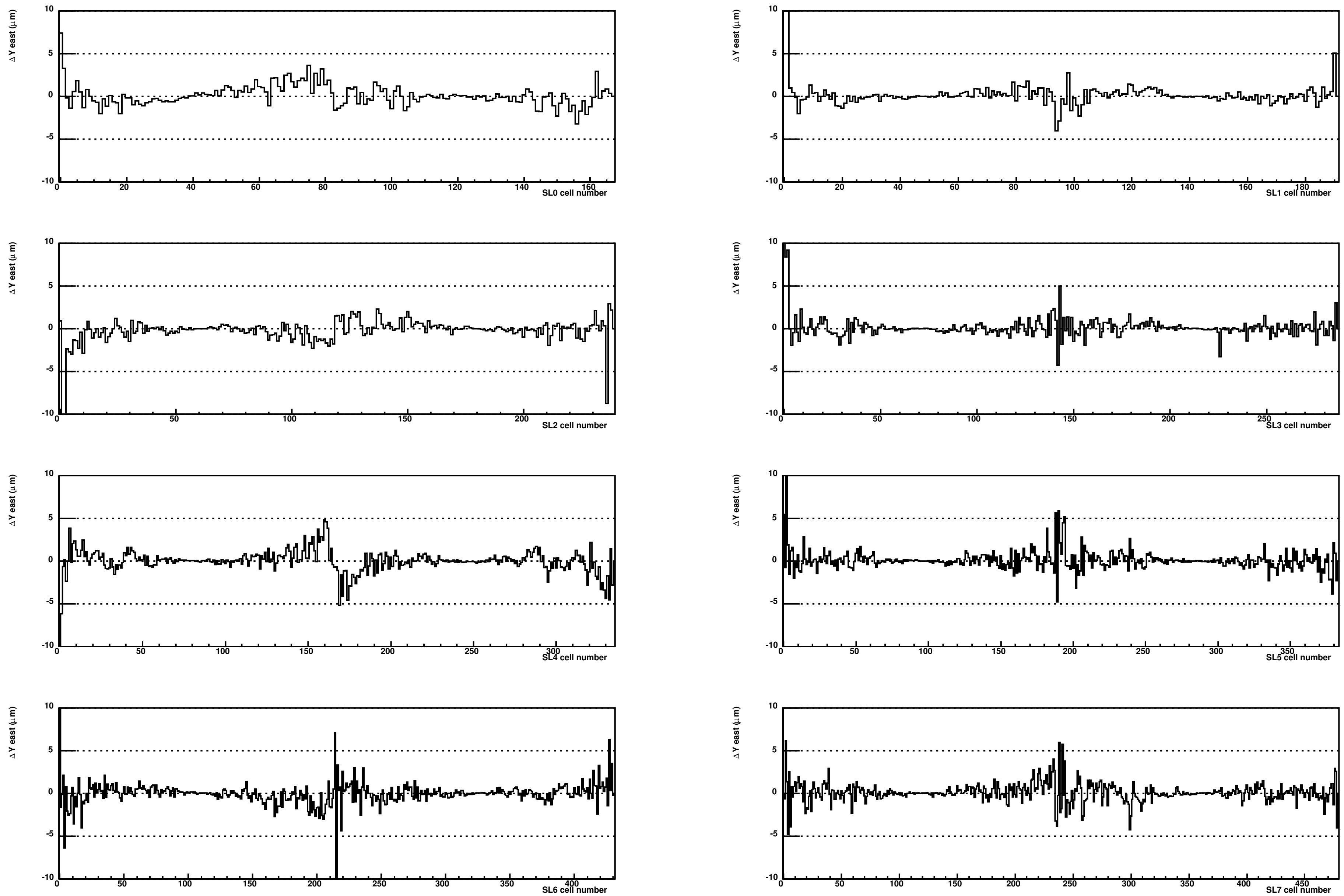
asym R Δφ(μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



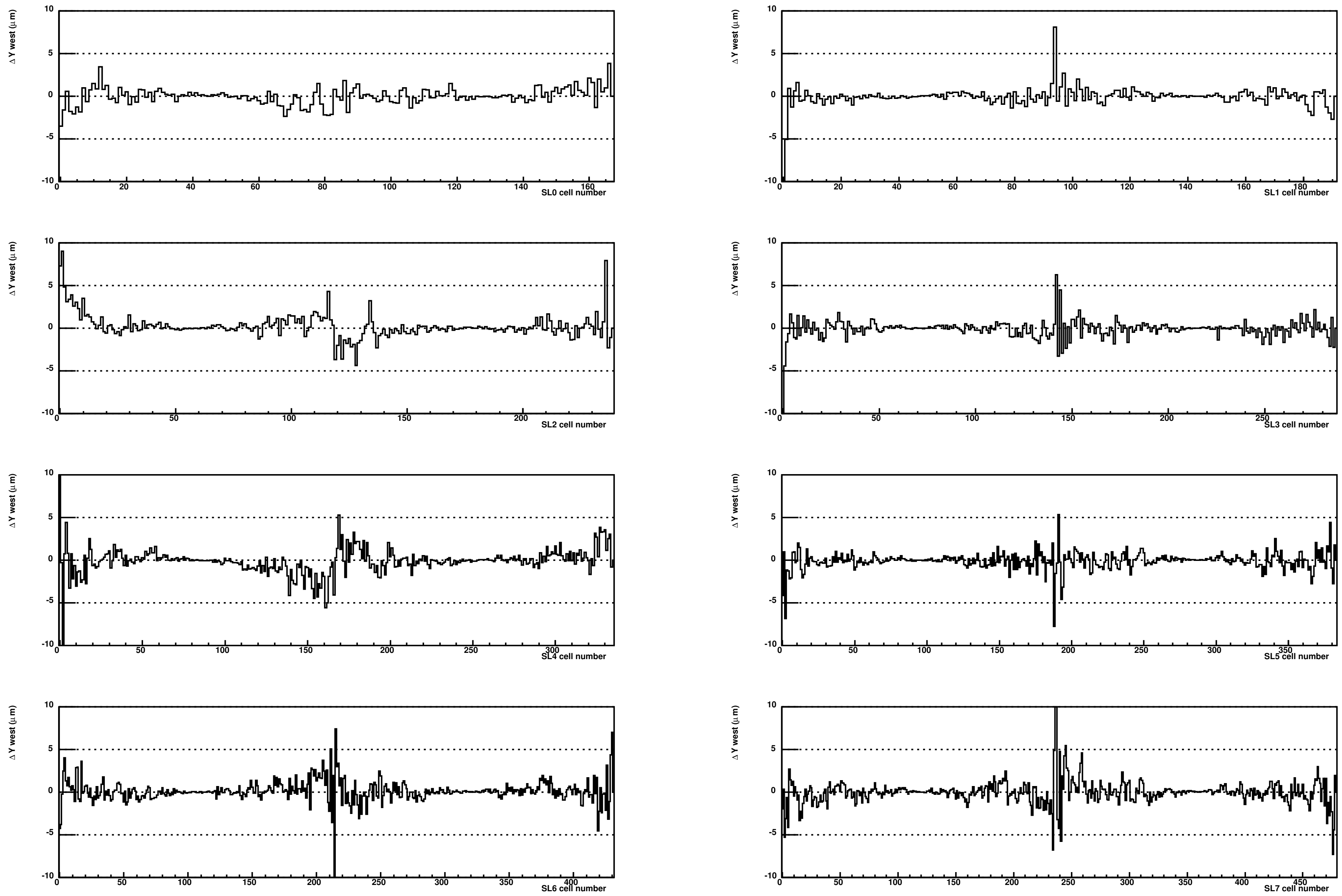
ΔX east (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

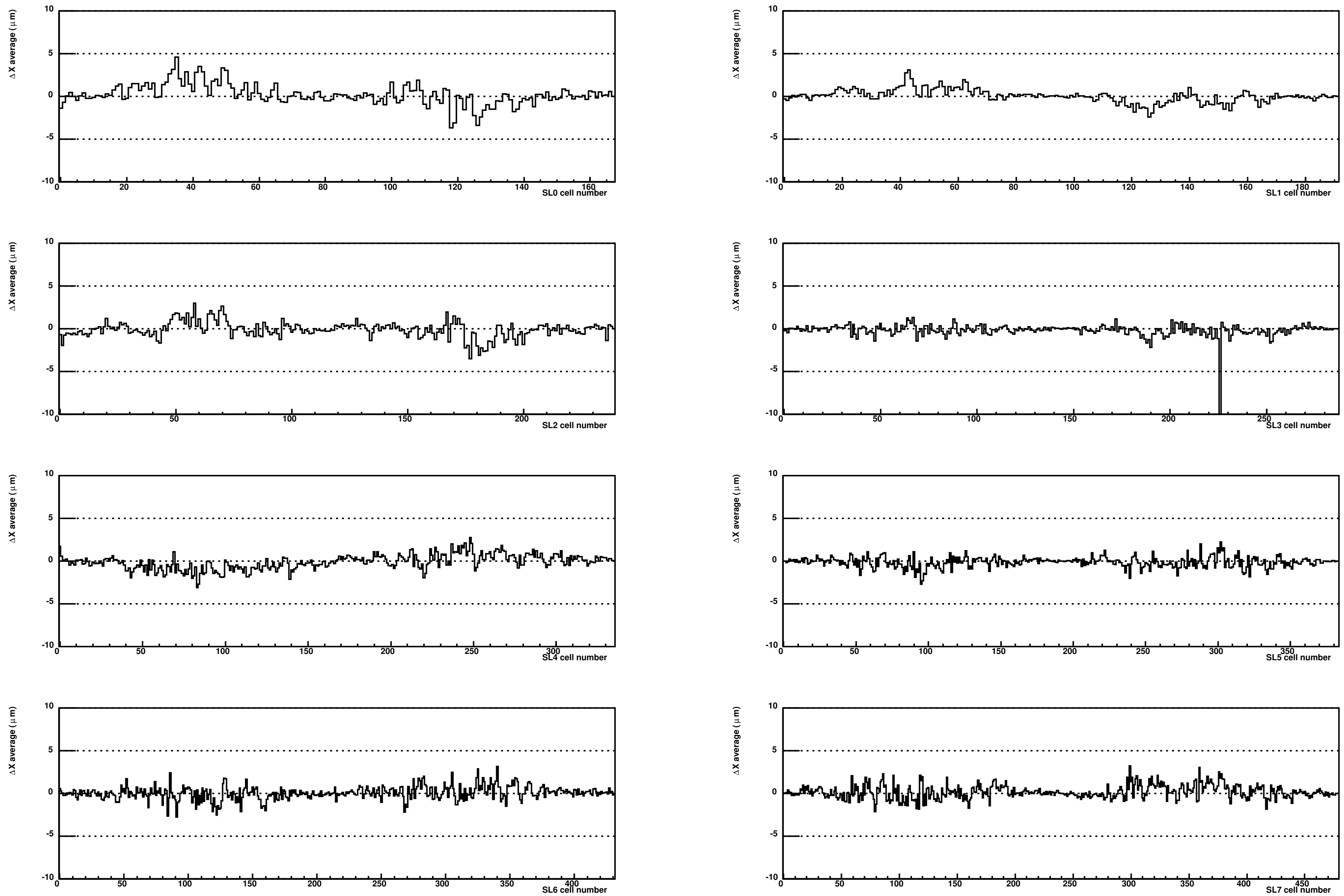


Δ X west (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

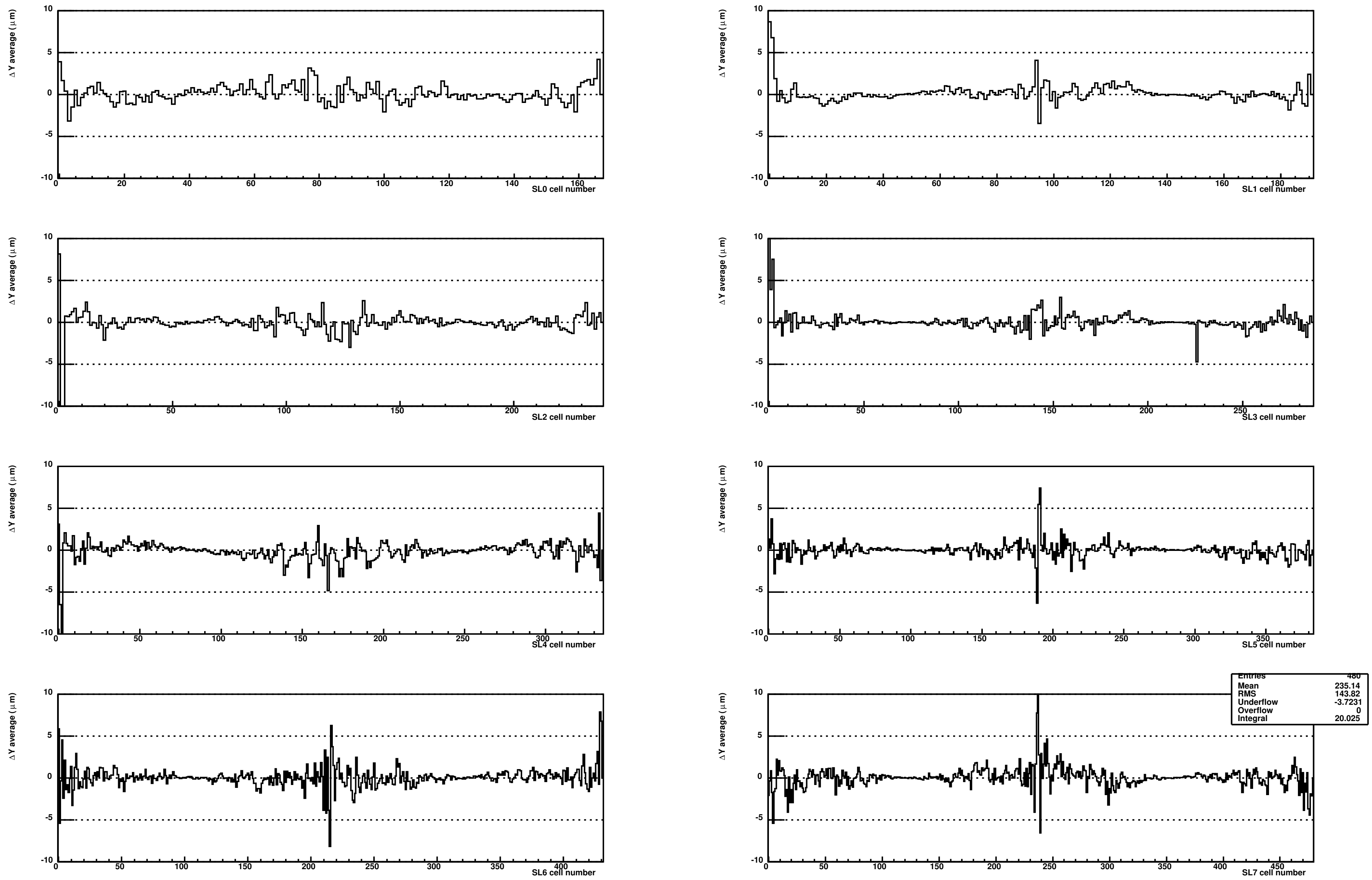


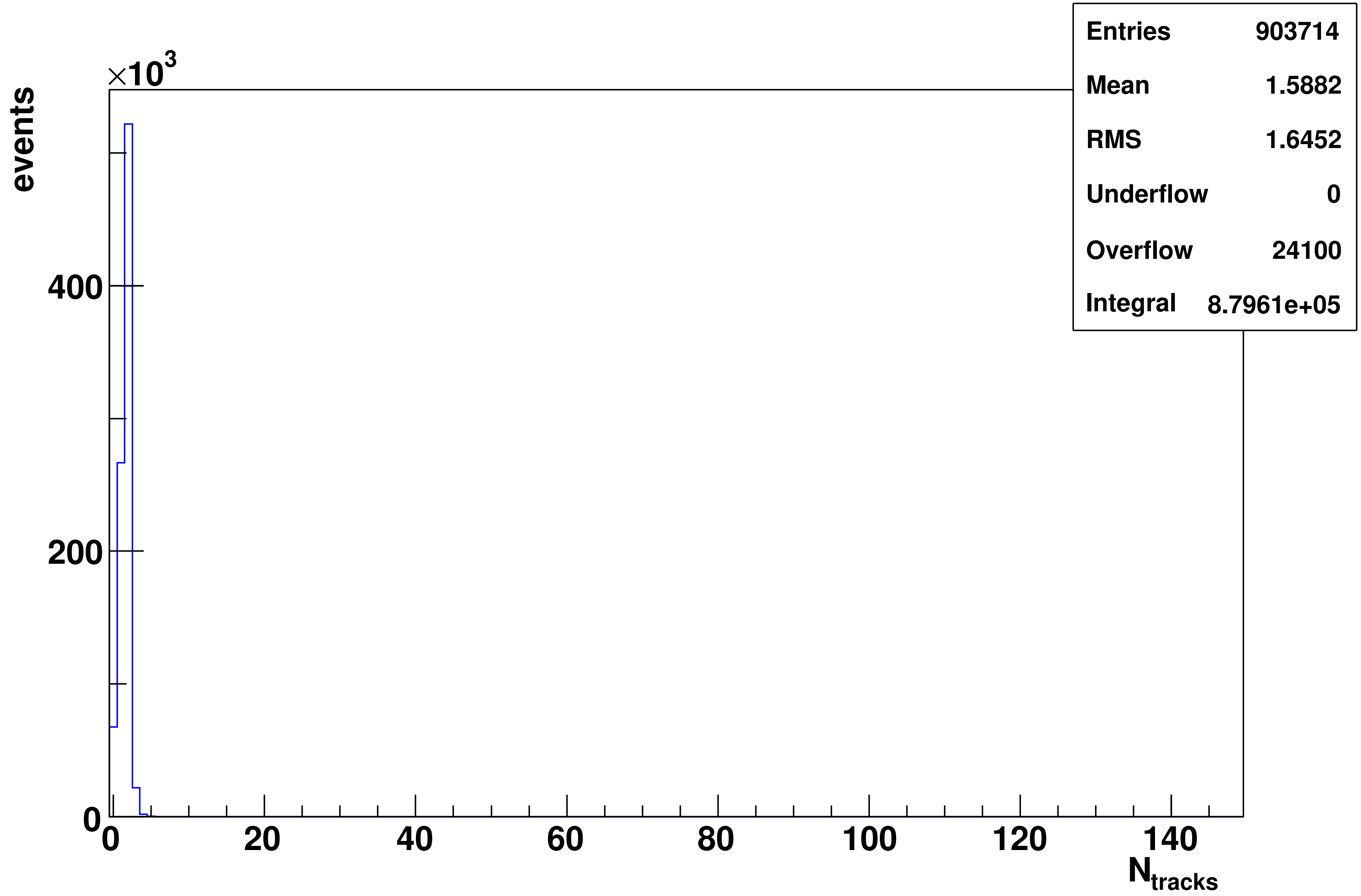
Δ Y east (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

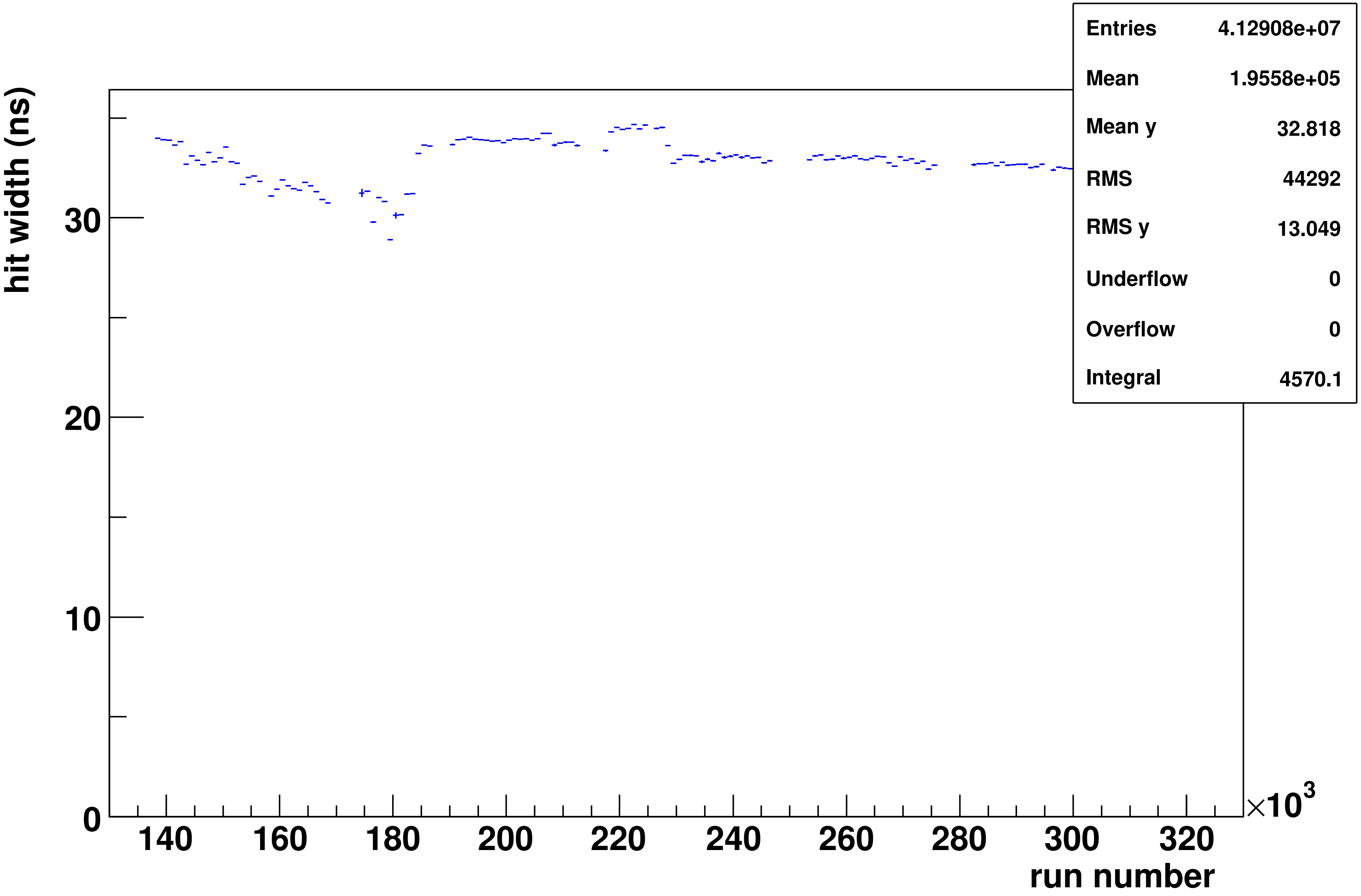

Δ Y west (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



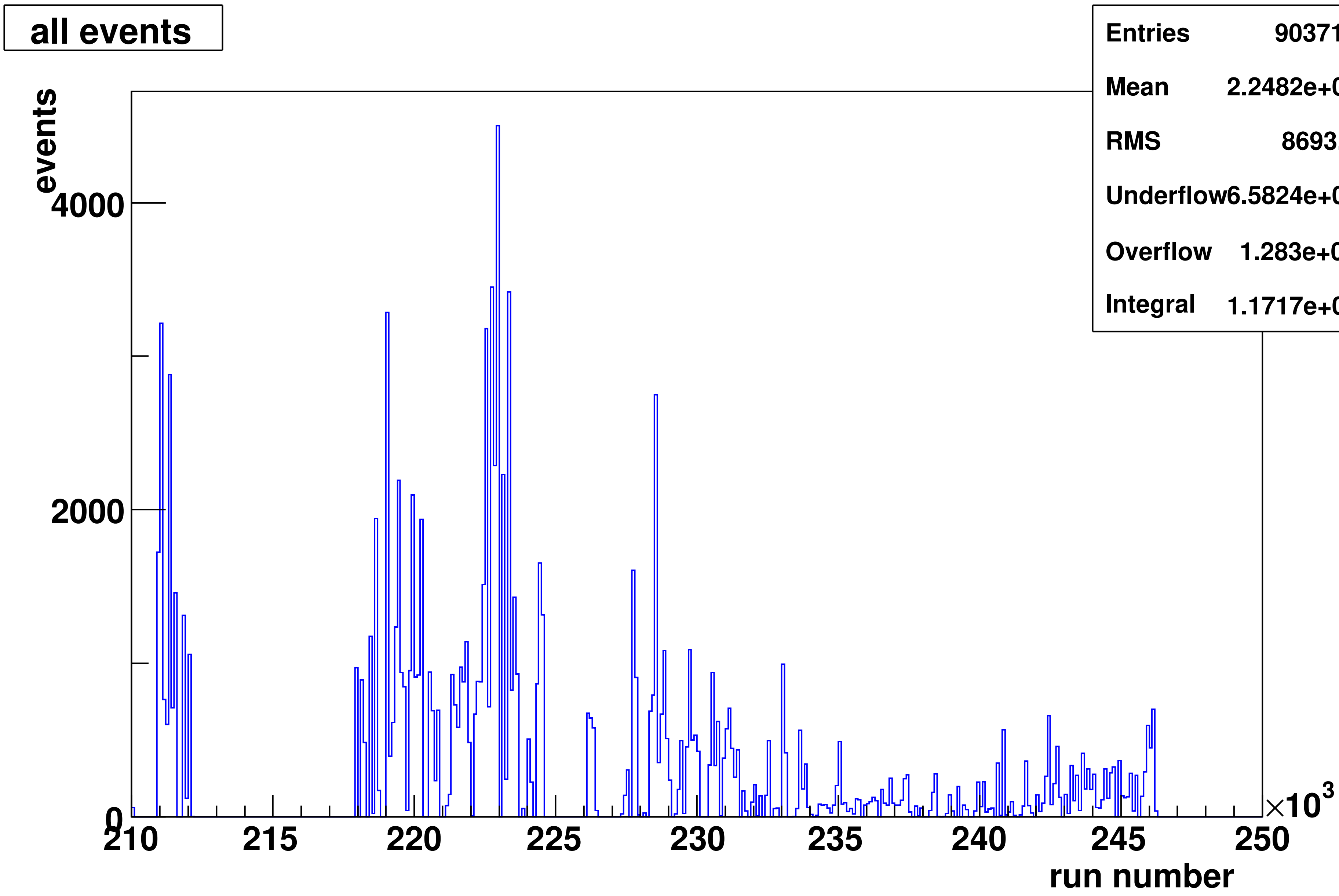
ΔX average (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number


ΔY 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
Entries 480
Mean 235.14
RMS 143.82
Underflow -3.7231
Overflow 0
Integral 20.025

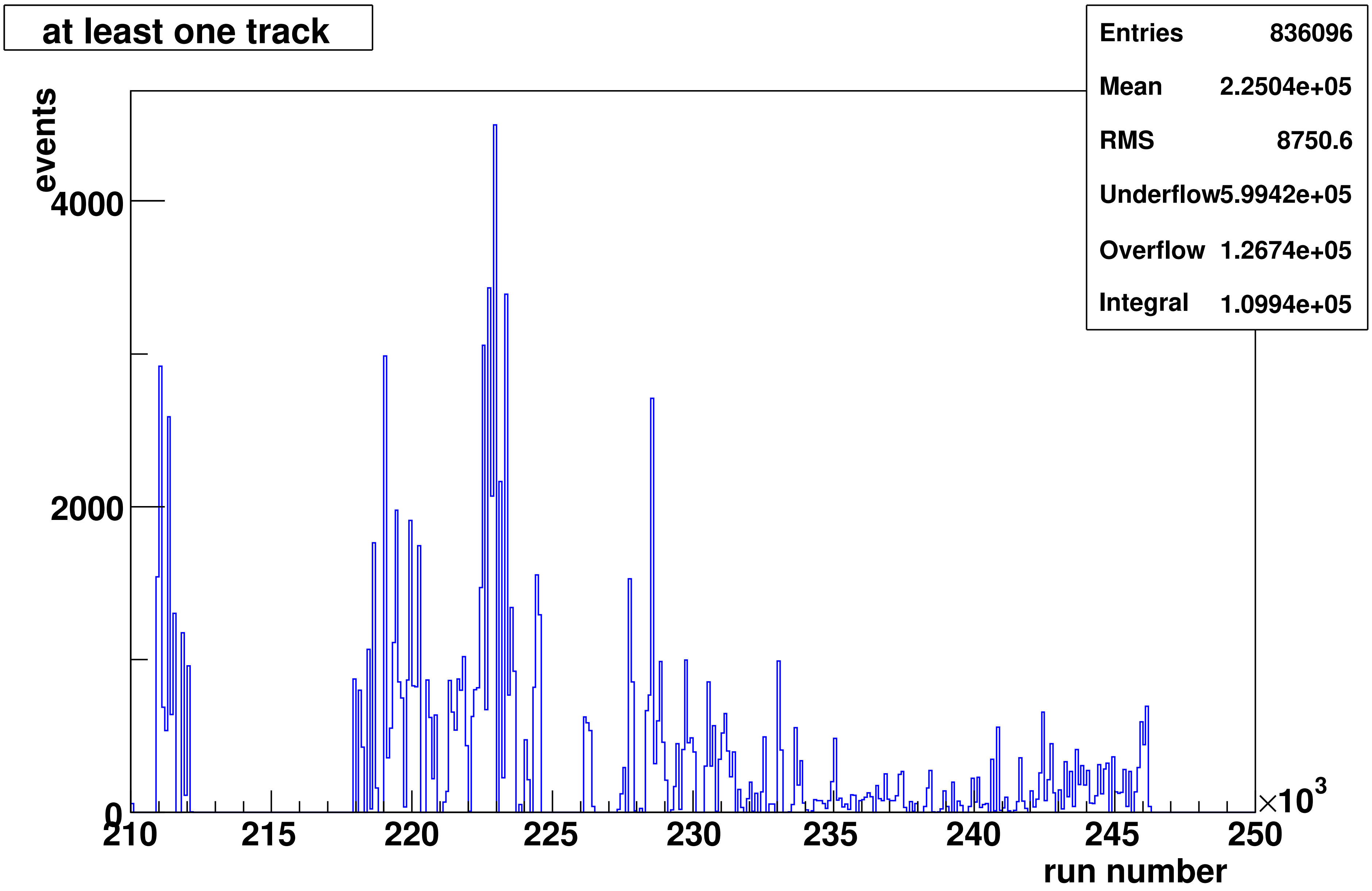

Entries 903714
Mean 1.5882
RMS 1.6452
Underflow 0
Overflow 24100
Integral 8.7961e+05
$\times 10^3$
events
400
200
0
0
20
40
60
80
100
120
140
N_{tracks}



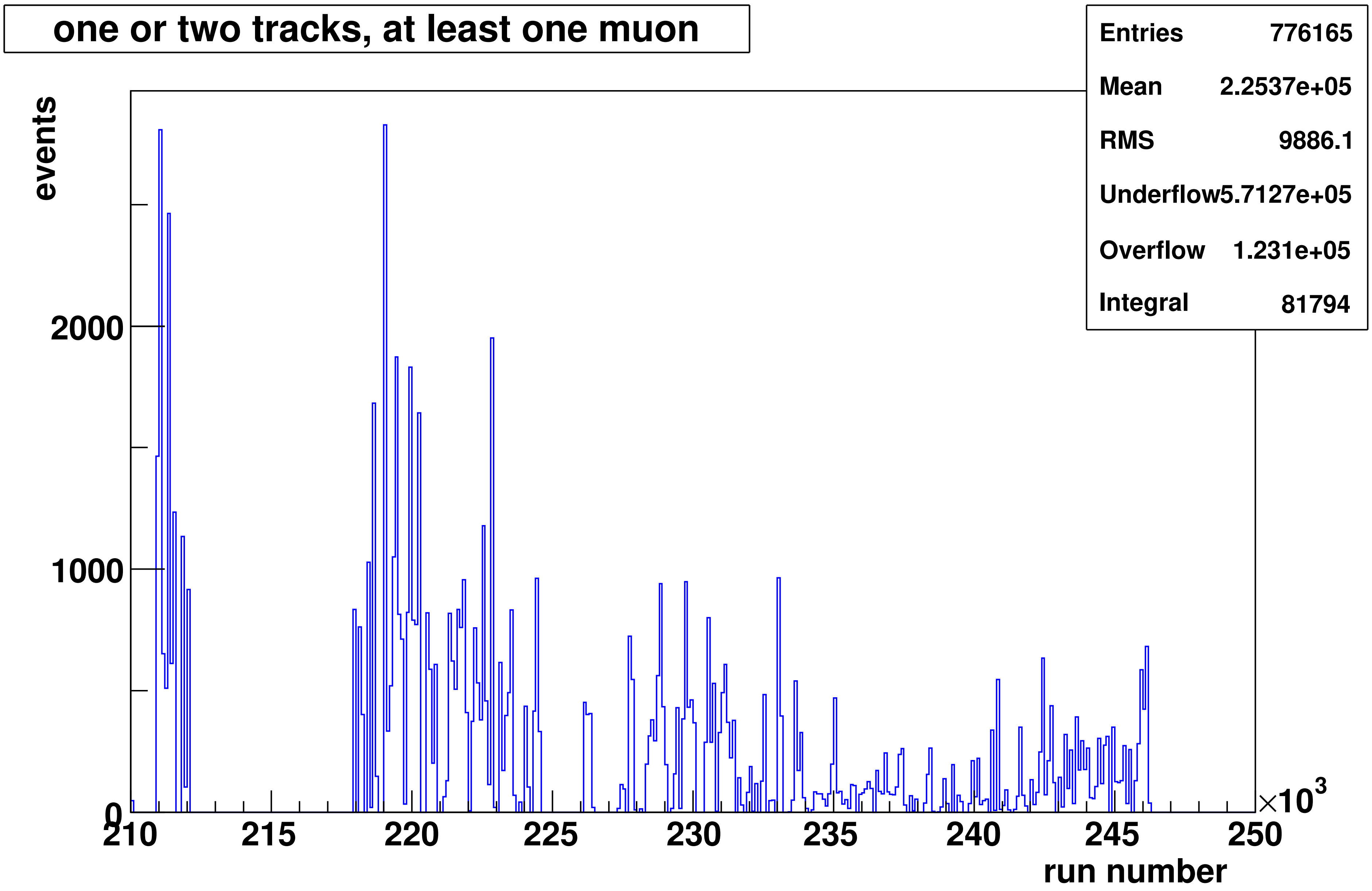
hit width (ns)
run number
×10^3
0
10
20
30
140
160
180
200
220
240
260
280
300
320
Entries 4.12908e+07
Mean 1.9558e+05
Mean y 32.818
RMS 44292
RMS y 13.049
Underflow 0
Overflow 0
Integral 4570.1



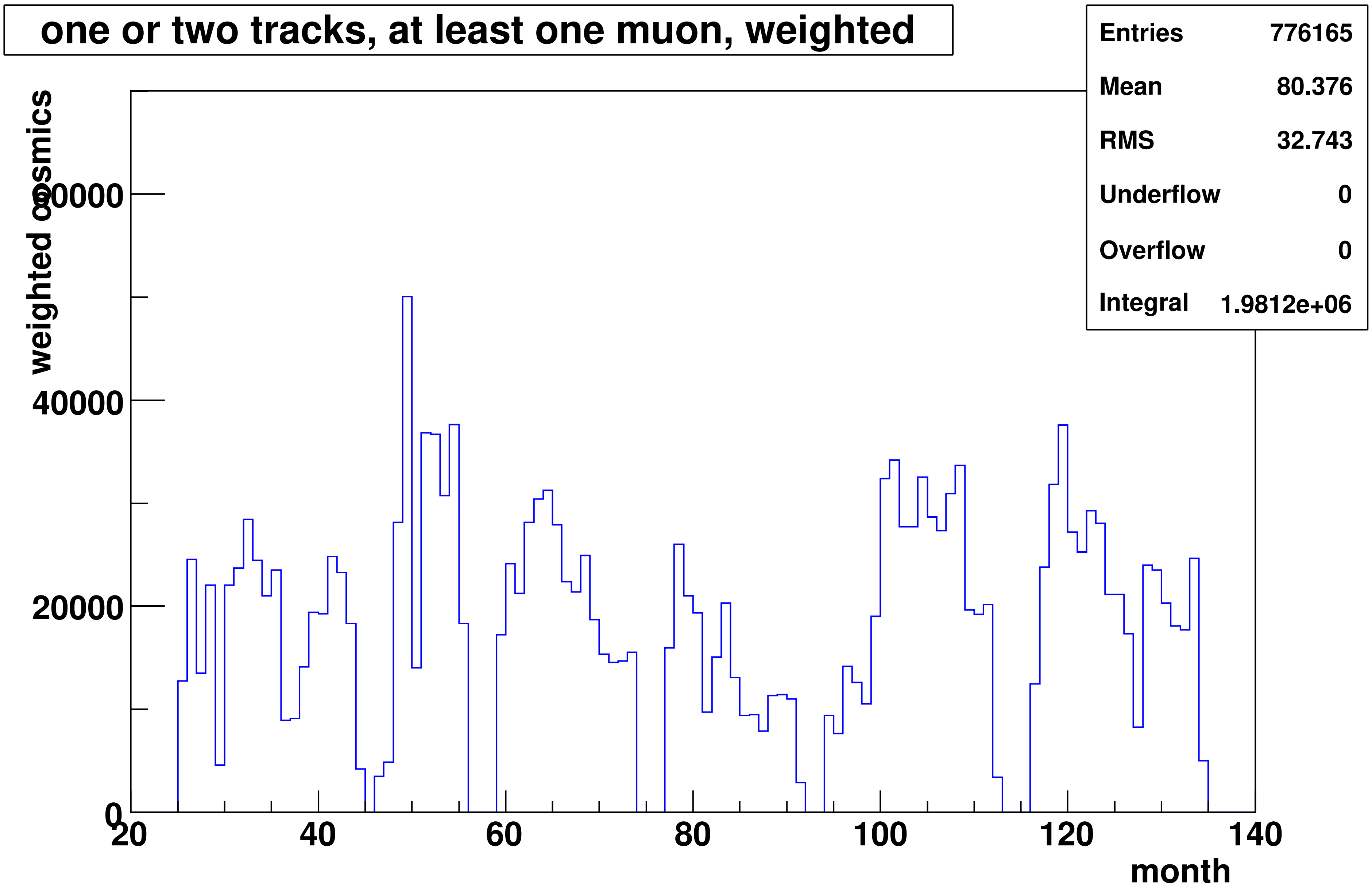
all events
Entries 903714
Mean 2.2482e+05
RMS 8693.4
Underflow6.5824e+05
Overflow 1.283e+05
Integral 1.1717e+05
events
4000
2000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

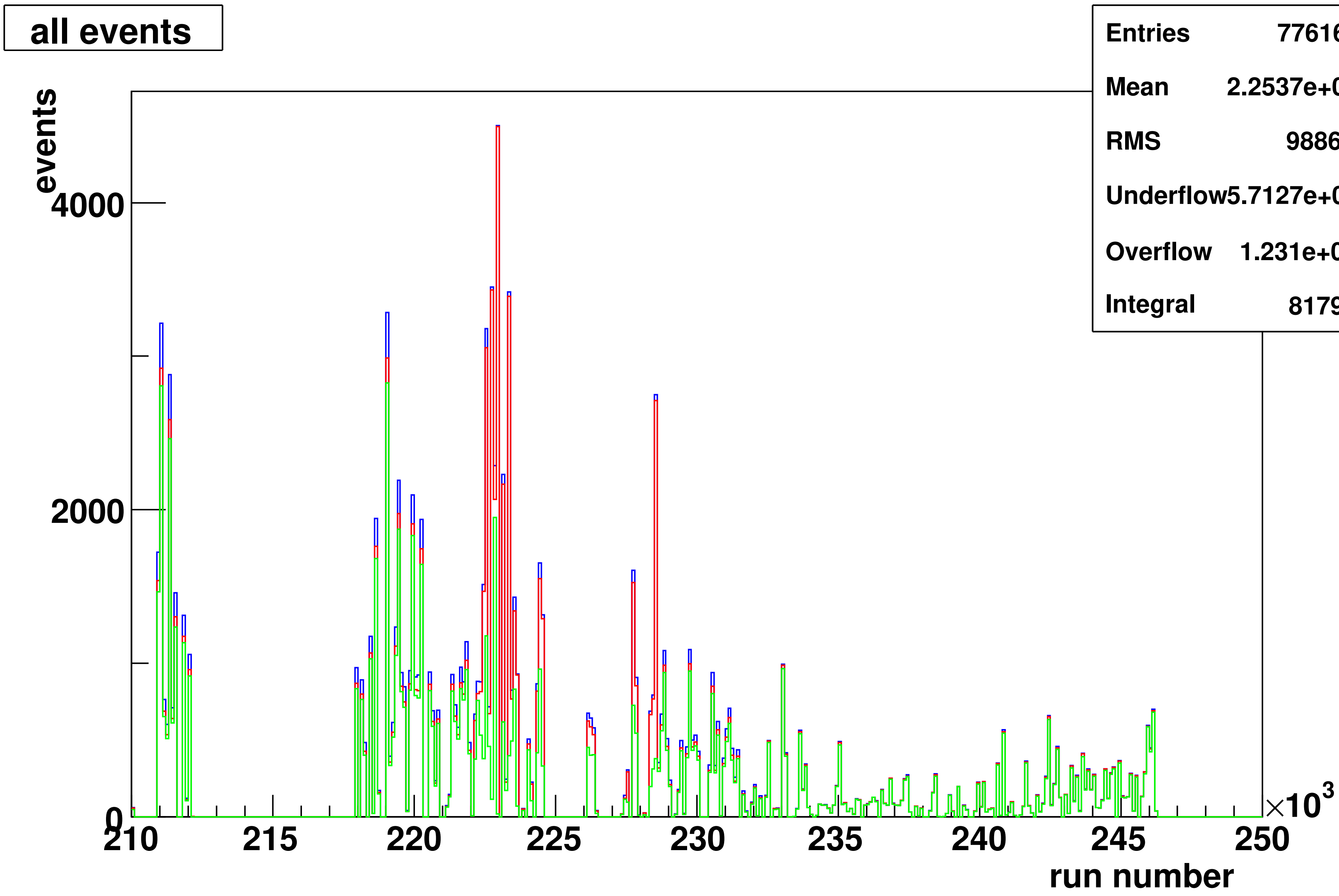


at least one track
Entries 836096
Mean 2.2504e+05
RMS 8750.6
Underflow 5.9942e+05
Overflow 1.2674e+05
Integral 1.0994e+05
events
4000
2000
0
210
215
220
225
230
235
240
245
250
$\times 10^3$
run number

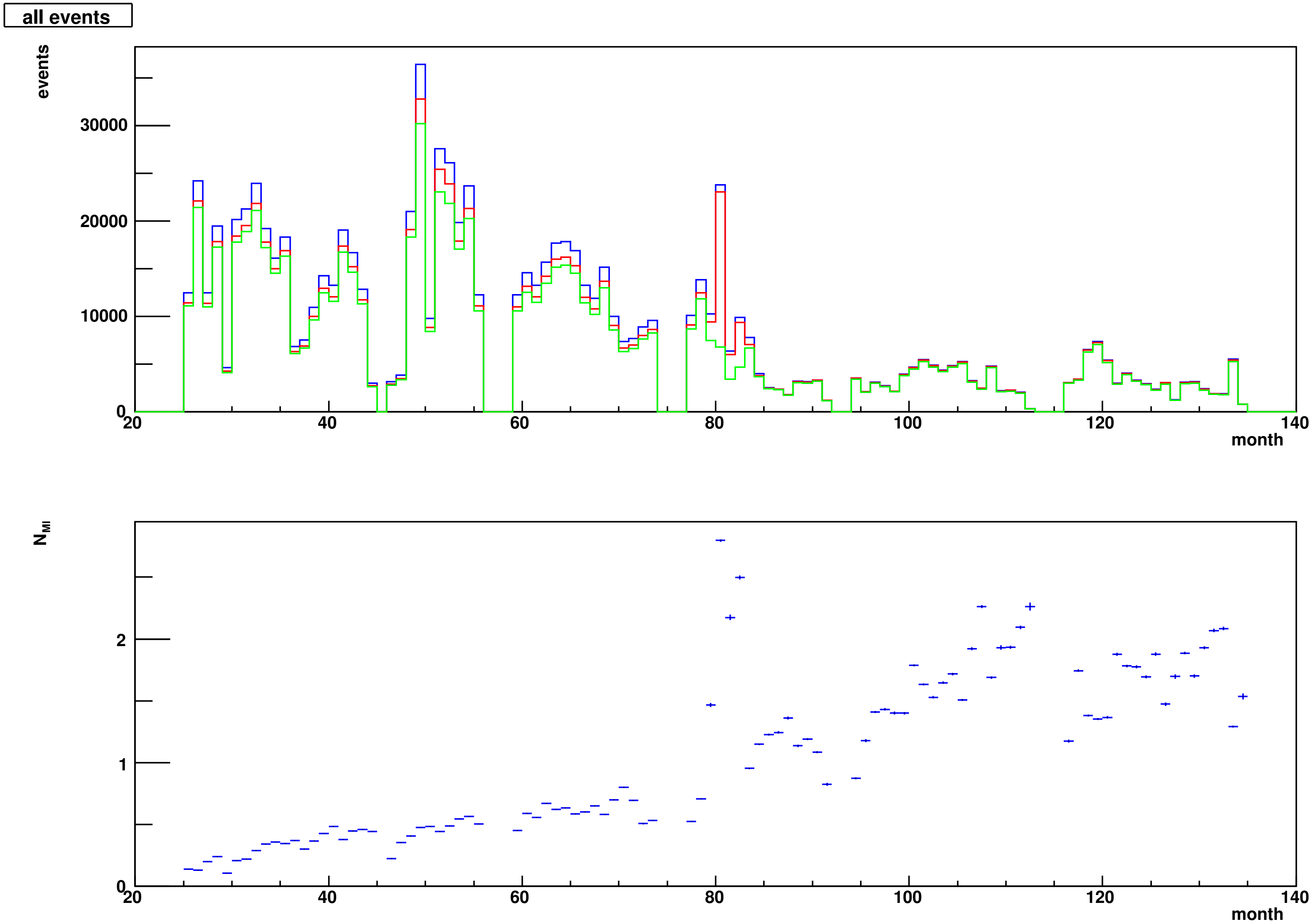


one or two tracks, at least one muon
Entries 776165
Mean 2.2537e+05
RMS 9886.1
Underflow5.7127e+05
Overflow 1.231e+05
Integral 81794
events
2000
1000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

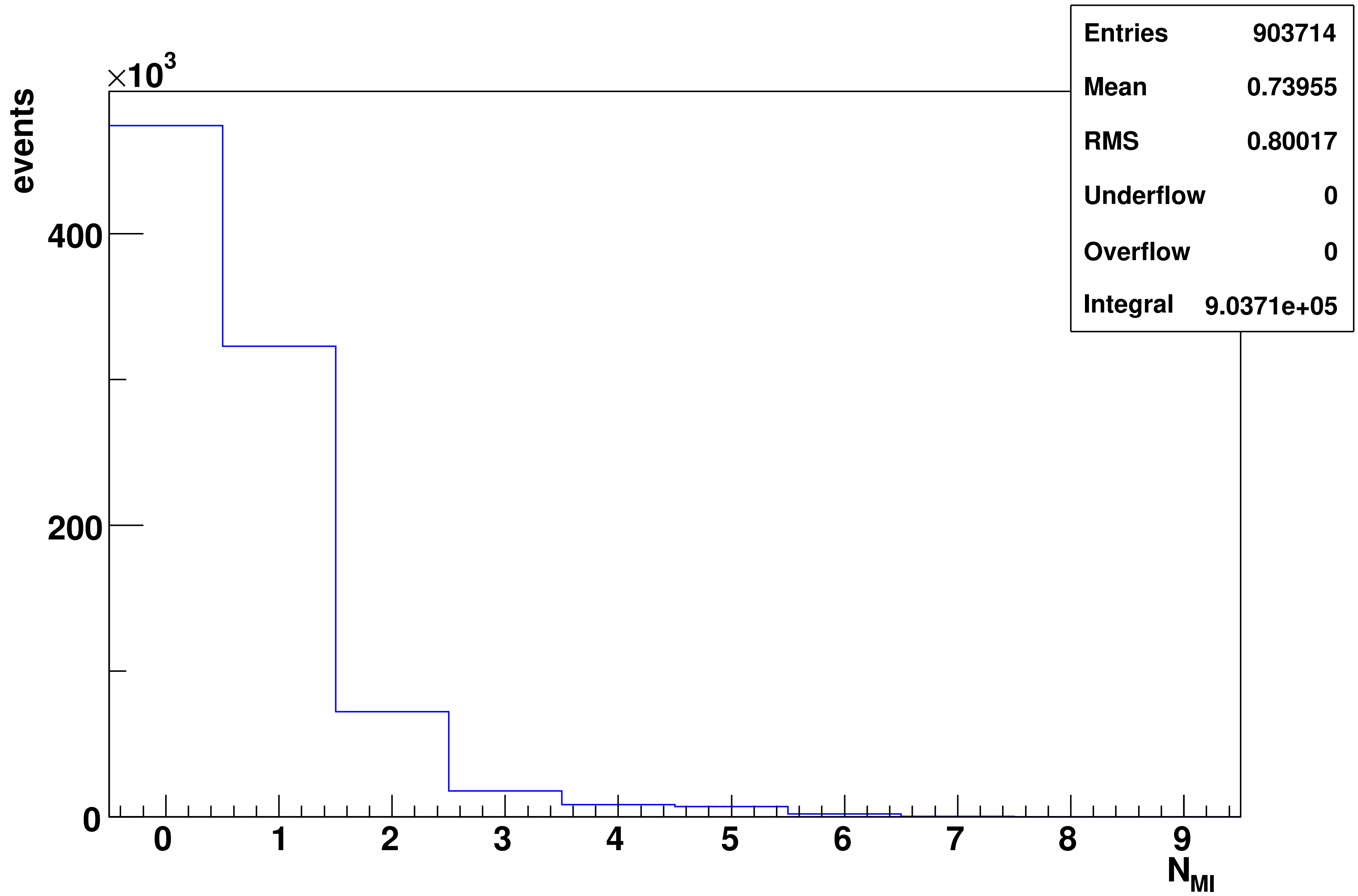

one or two tracks, at least one muon, weighted
Entries 776165
Mean 80.376
RMS 32.743
Underflow 0
Overflow 0
Integral 1.9812e+06
weighted cosmics
0
20000
40000
60000
20
40
60
80
100
120
140
month



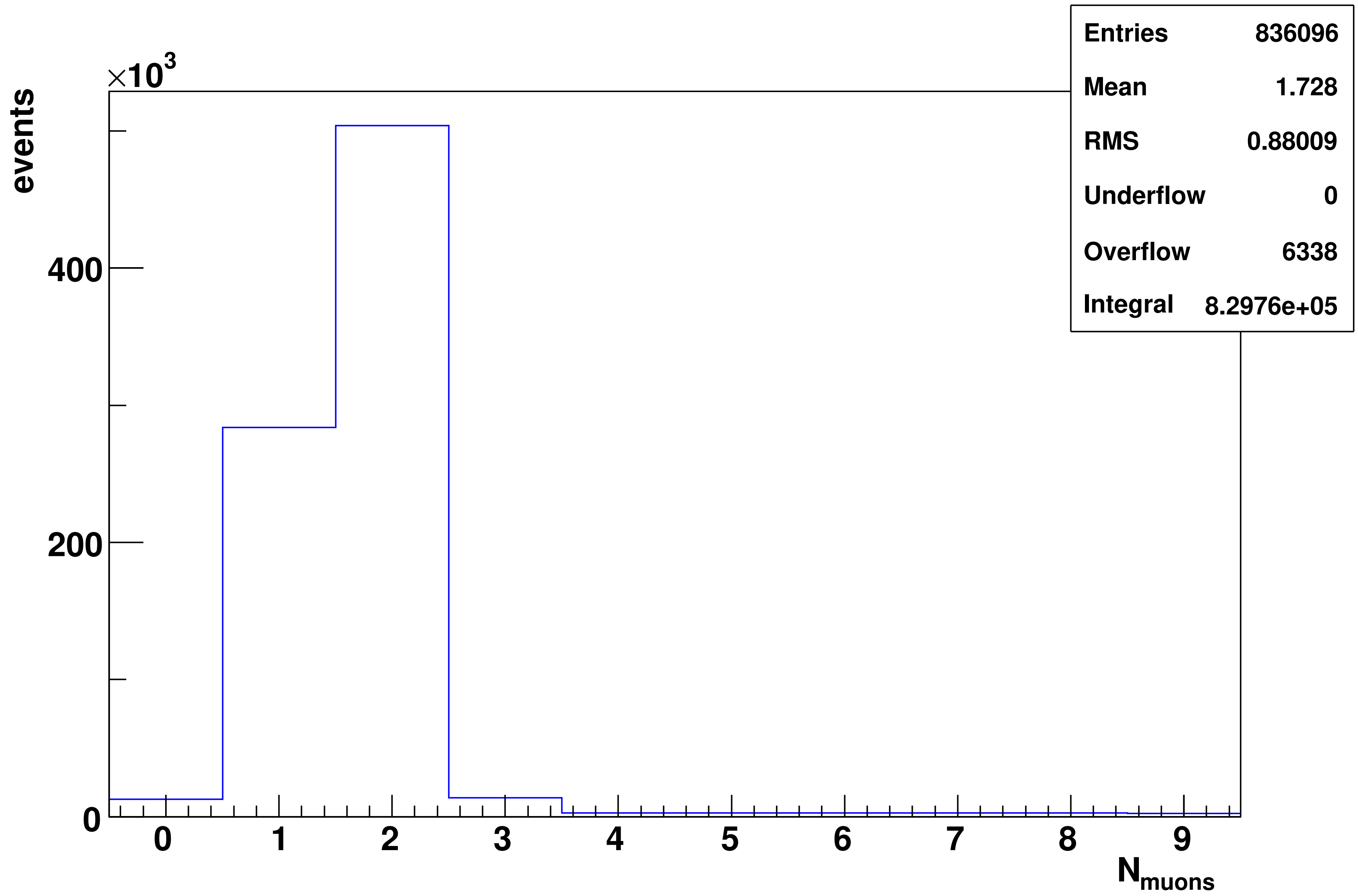
all events
Entries 776165
Mean 2.2537e+05
RMS 9886.1
Underflow 5.7127e+05
Overflow 1.231e+05
Integral 81794
events
4000
2000
0
210
215
220
225
230
235
240
245
250
×10^3
run number



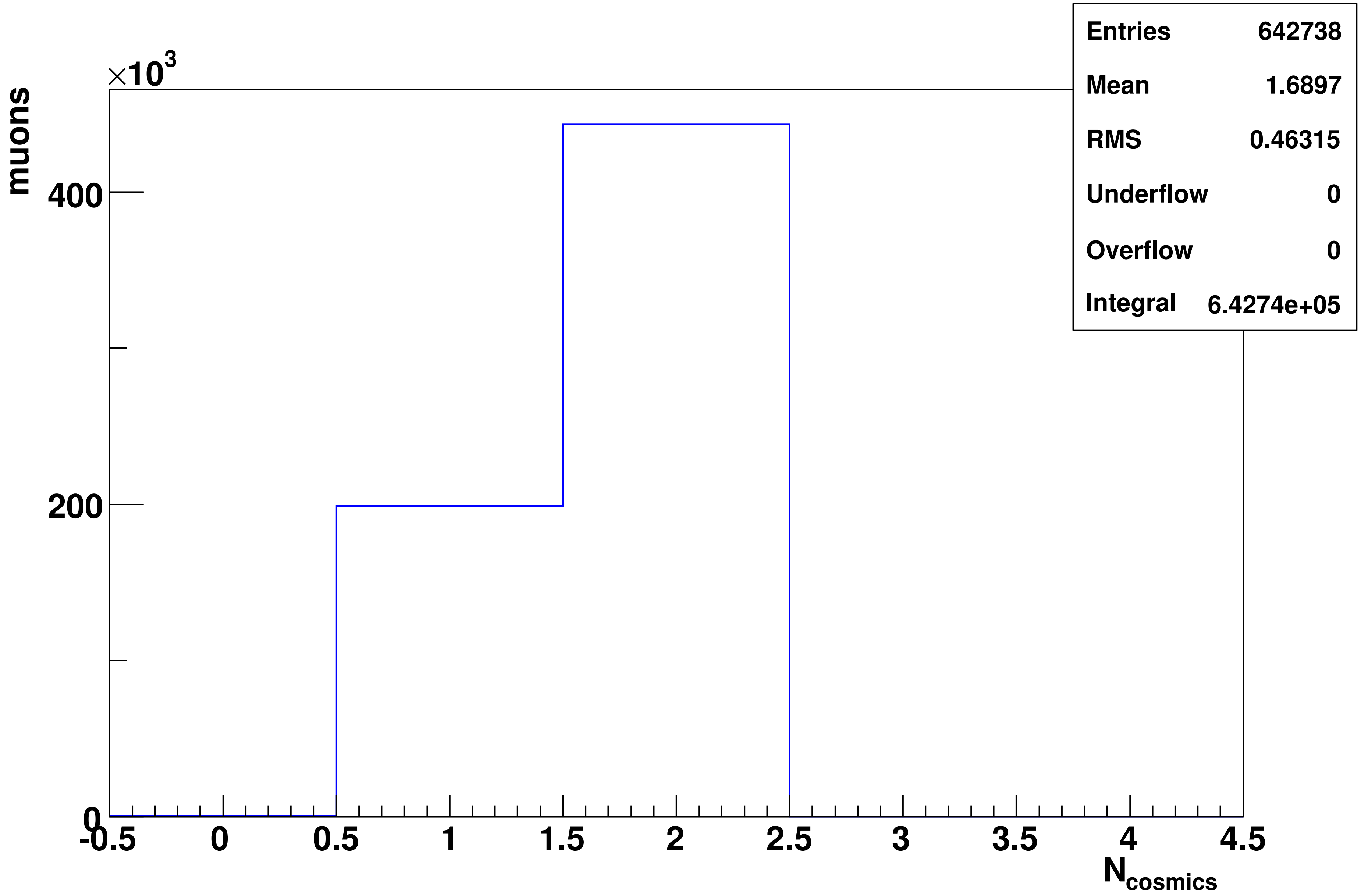
all events
events
30000
20000
10000
0
20
40
60
80
100
120
140
month
N_MI
2
1
0
20
40
60
80
100
120
140
month



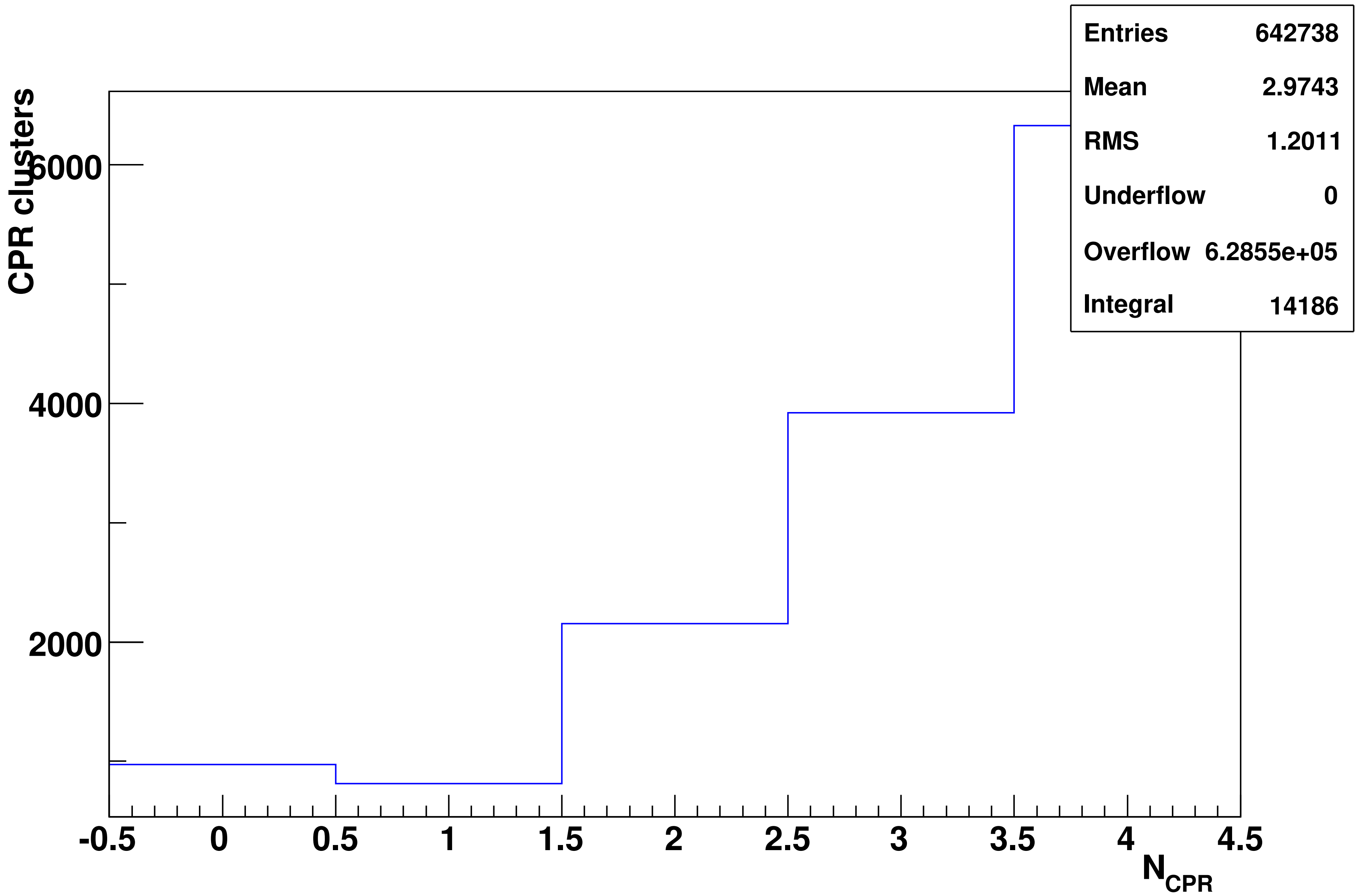
Entries 903714
Mean 0.73955
RMS 0.80017
Underflow 0
Overflow 0
Integral 9.0371e+05
×10³
events
400
200
0
0
1
2
3
4
5
6
7
8
9
N_MI



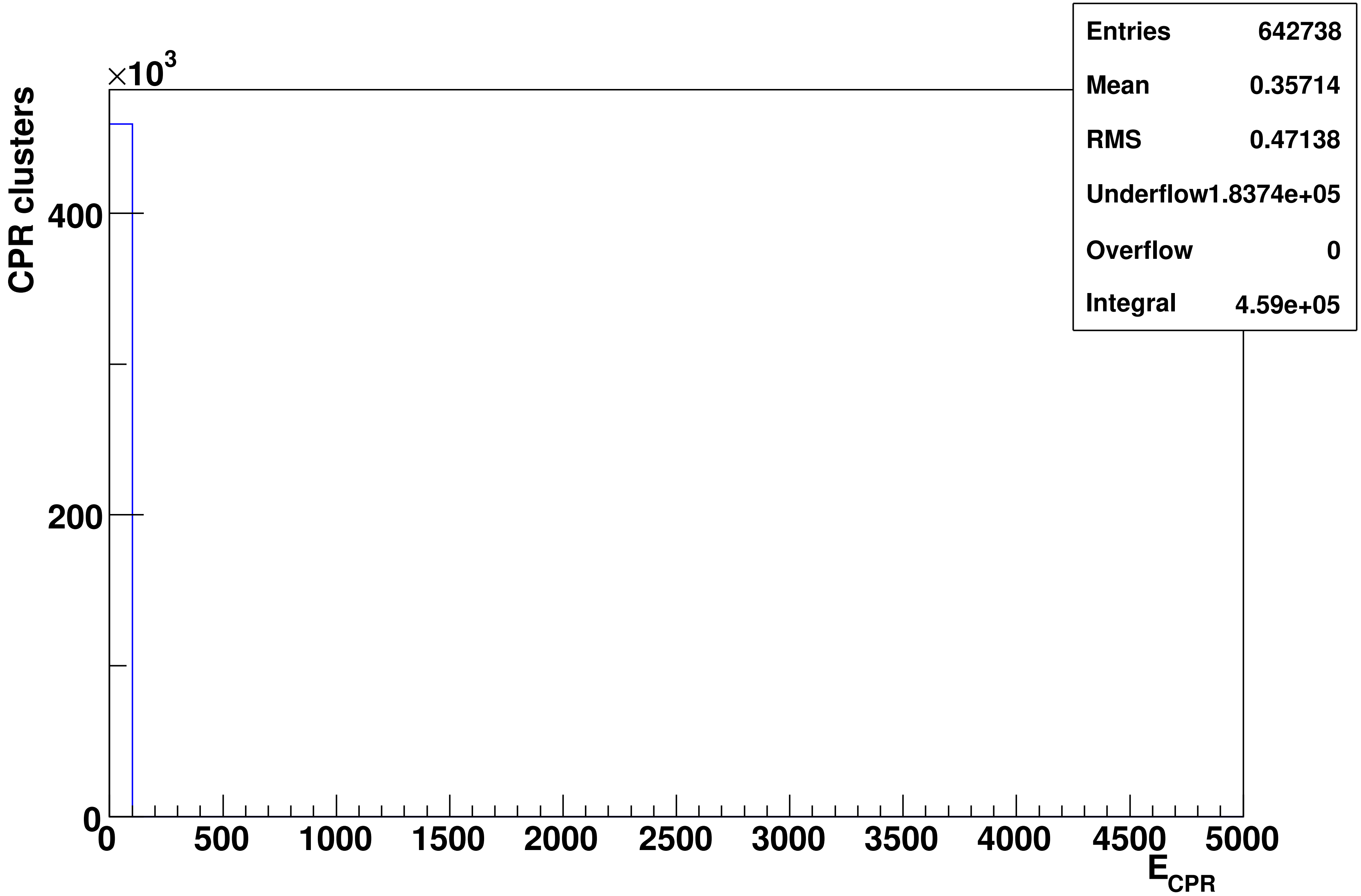
Entries 836096
Mean 1.728
RMS 0.88009
Underflow 0
Overflow 6338
Integral 8.2976e+05
×10^3
events
400
200
0
0 1 2 3 4 5 6 7 8 9
N_muons



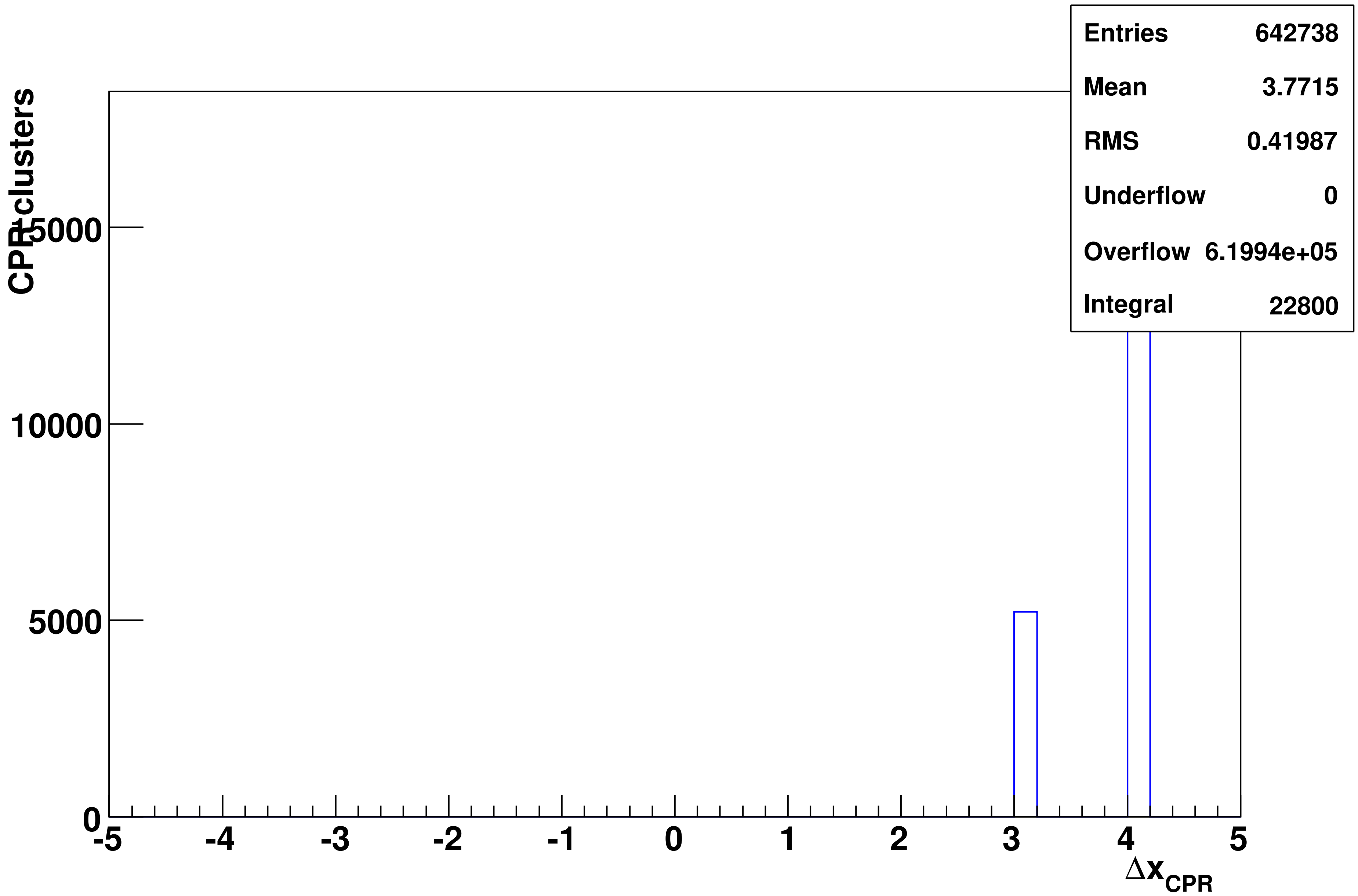
Entries 642738
Mean 1.6897
RMS 0.46315
Underflow 0
Overflow 0
Integral 6.4274e+05
×10^3
muons
400
200
0
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_cosmics



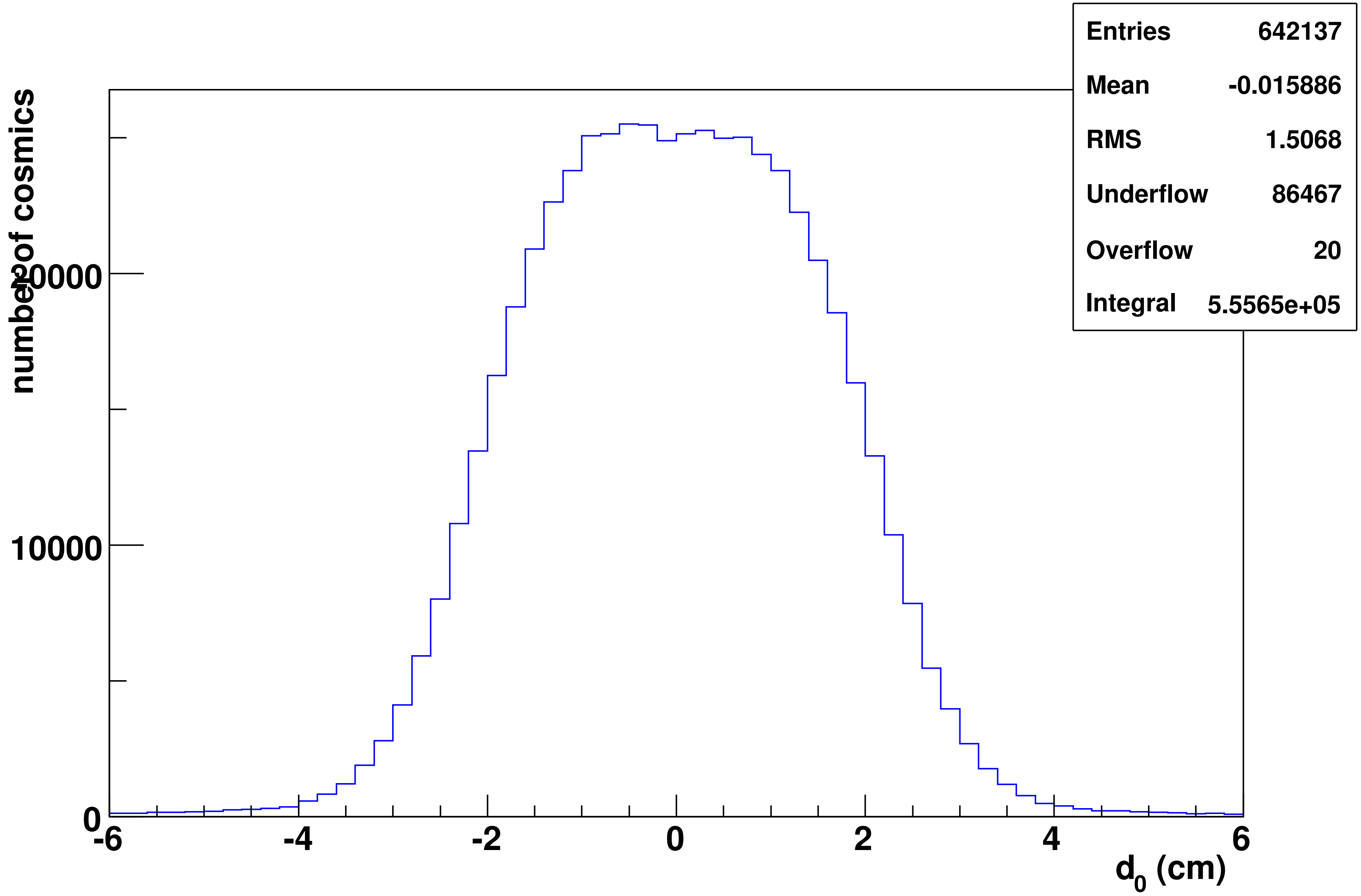
Entries 642738
Mean 2.9743
RMS 1.2011
Underflow 0
Overflow 6.2855e+05
Integral 14186
CPR clusters
6000
4000
2000
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_{CPR}



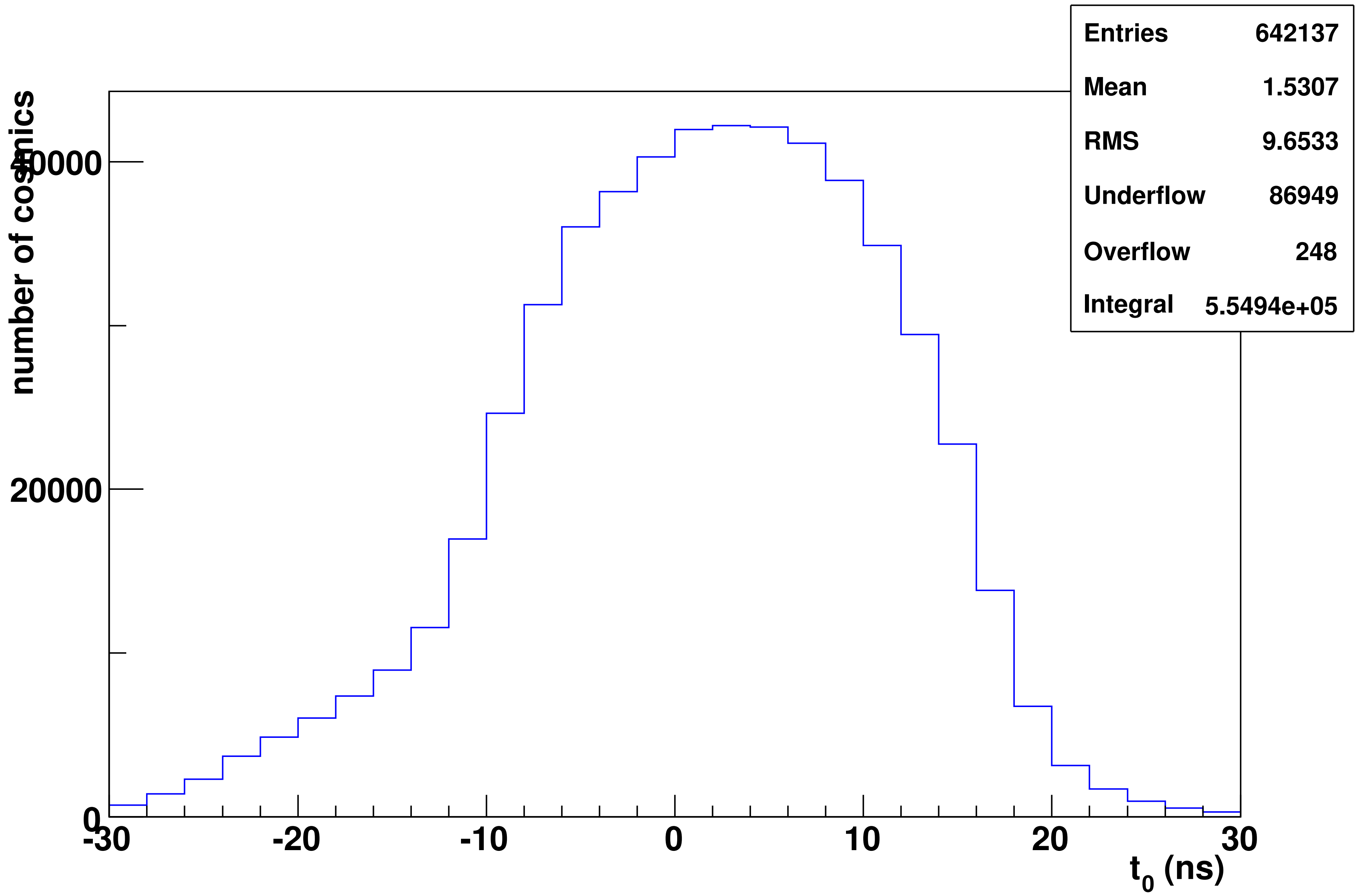
Entries 642738
Mean 0.35714
RMS 0.47138
Underflow1.8374e+05
Overflow 0
Integral 4.59e+05
×10^3
CPR clusters
400
200
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
E_CPR



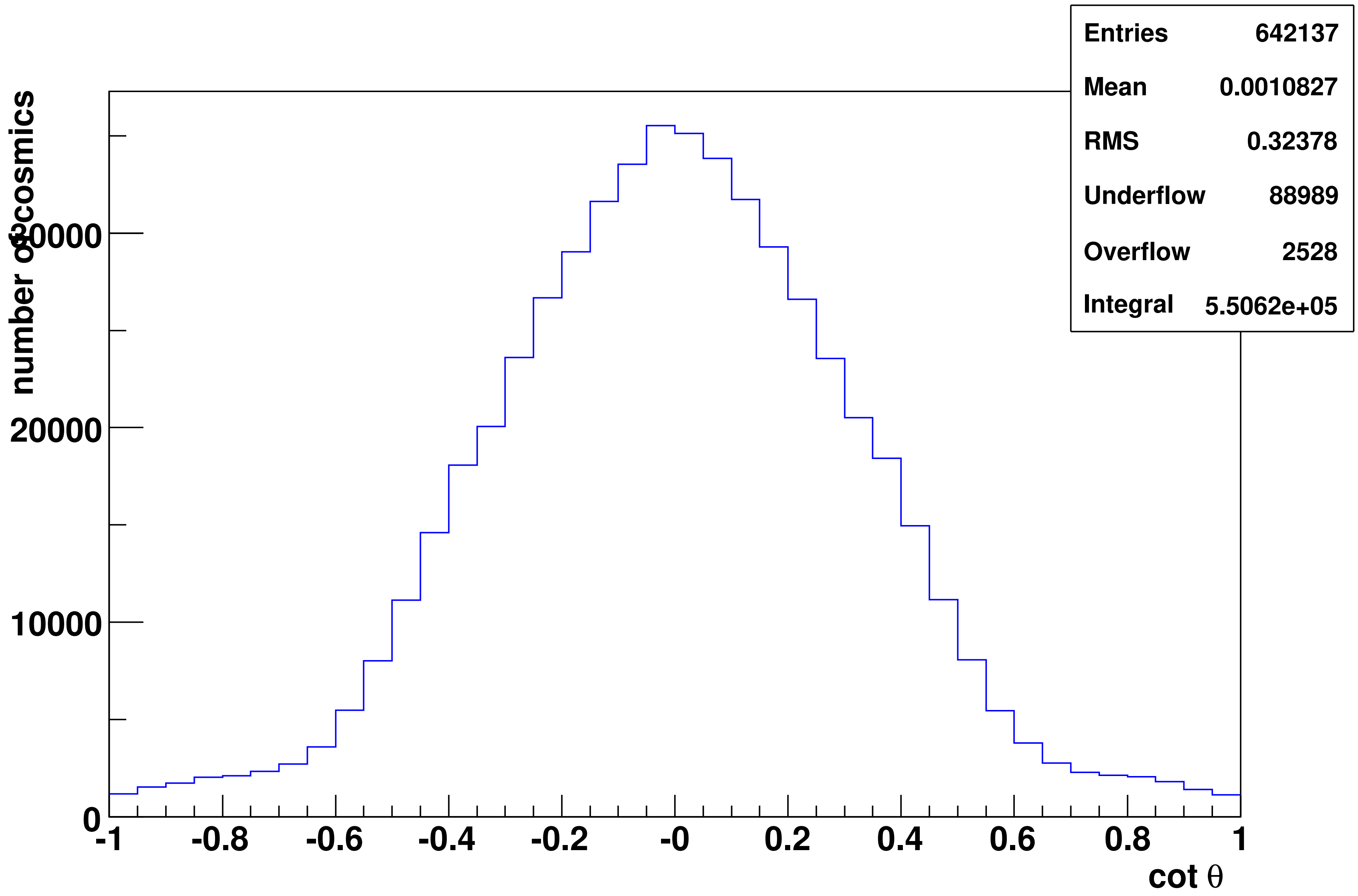
Entries 642738
Mean 3.7715
RMS 0.41987
Underflow 0
Overflow 6.1994e+05
Integral 22800
CPR clusters
15000
10000
5000
0
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δx_{CPR}

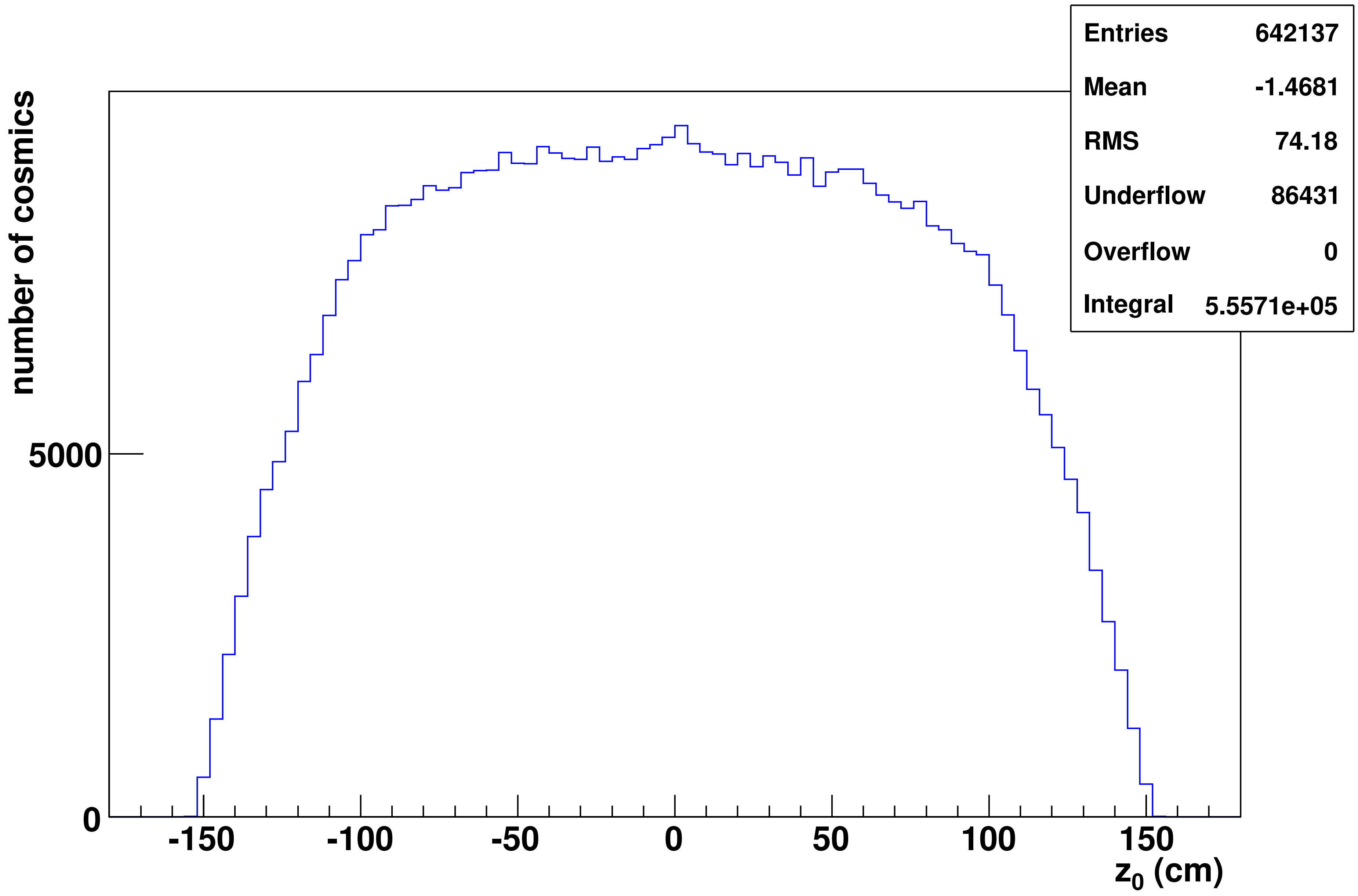


Entries 642137
Mean -0.015886
RMS 1.5068
Underflow 86467
Overflow 20
Integral 5.5565e+05
number of cosmics
20000
10000
0
-6
-4
-2
0
2
4
6
d_0 (cm)

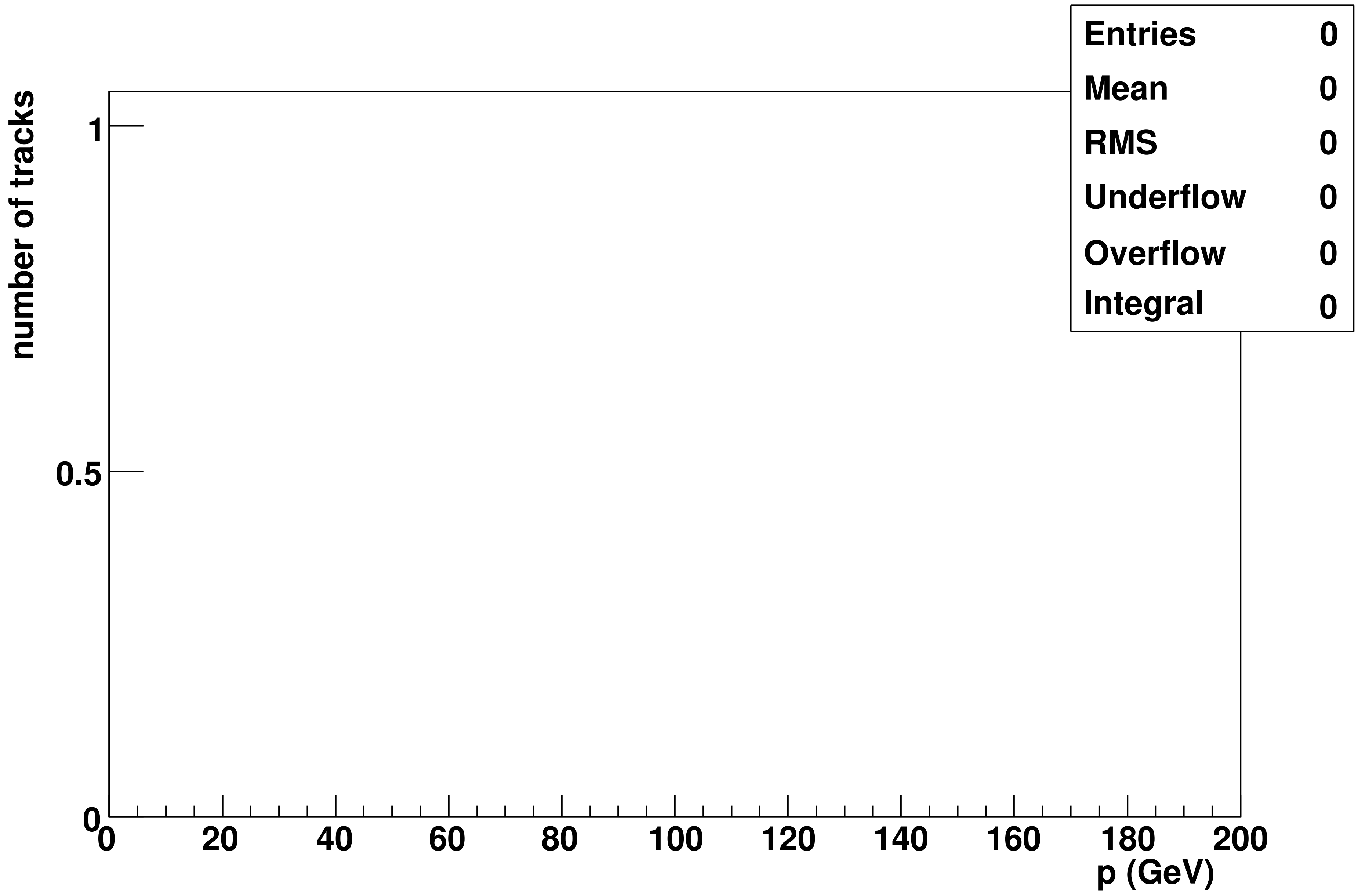


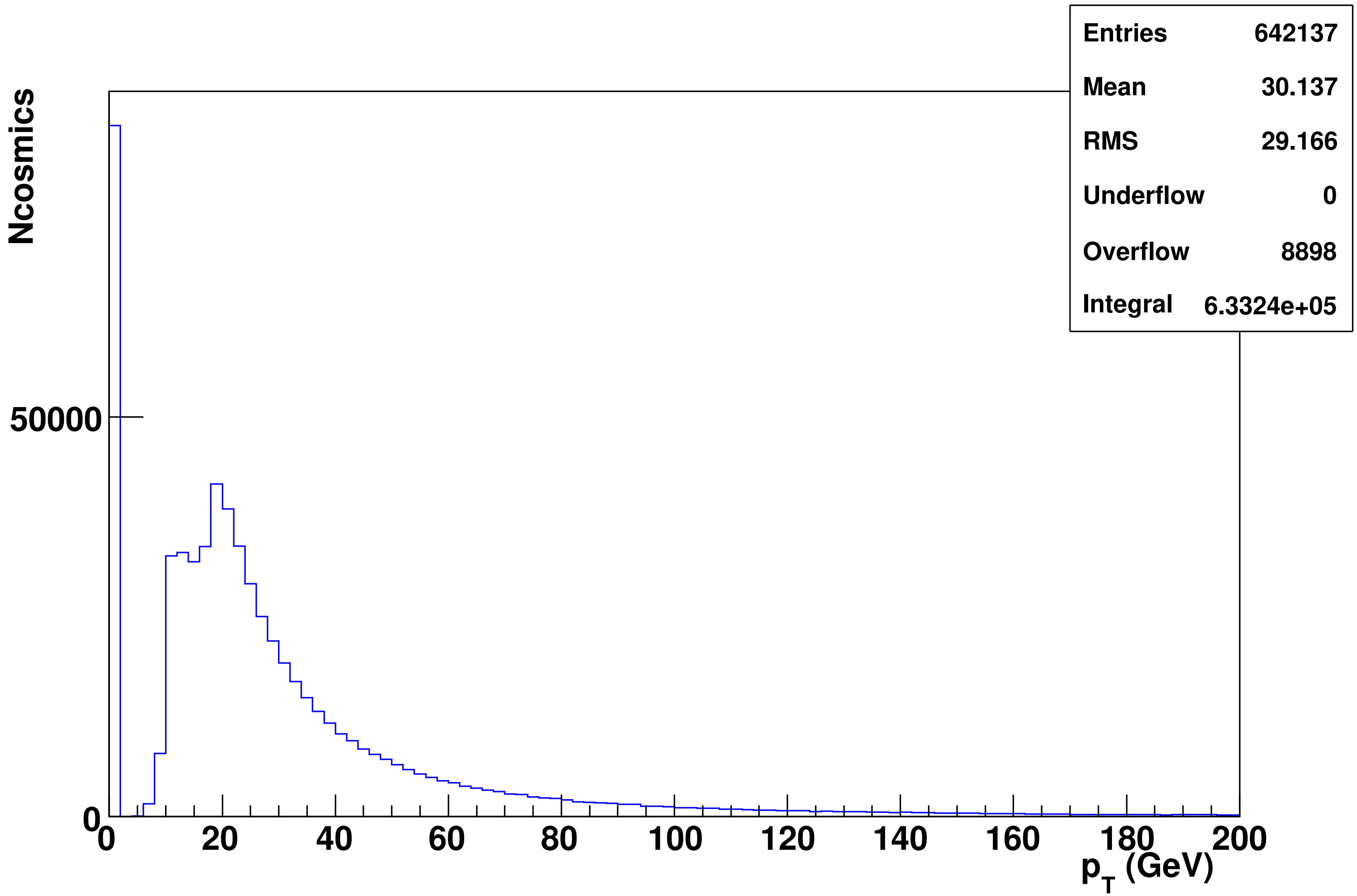
Entries 642137
Mean 1.5307
RMS 9.6533
Underflow 86949
Overflow 248
Integral 5.5494e+05
number of cosmics
40000
20000
0
-30
-20
-10
0
10
20
30
t0 (ns)


Entries 642137
Mean 0.0010827
RMS 0.32378
Underflow 88989
Overflow 2528
Integral 5.5062e+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

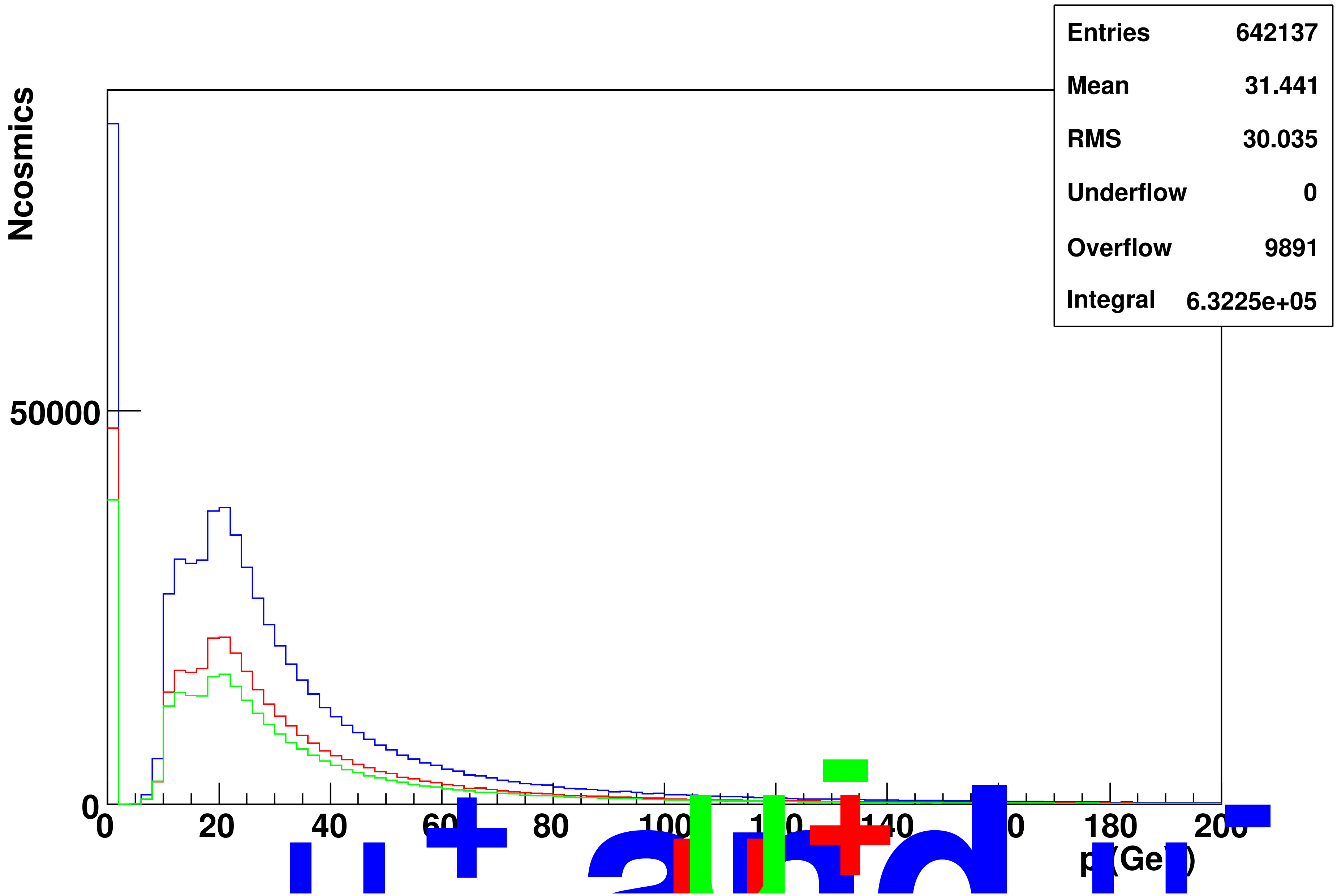


Entries 642137
Mean -1.4681
RMS 74.18
Underflow 86431
Overflow 0
Integral 5.5571e+05
number of cosmics
5000
0
-150
-100
-50
0
50
100
150
z_0 (cm)

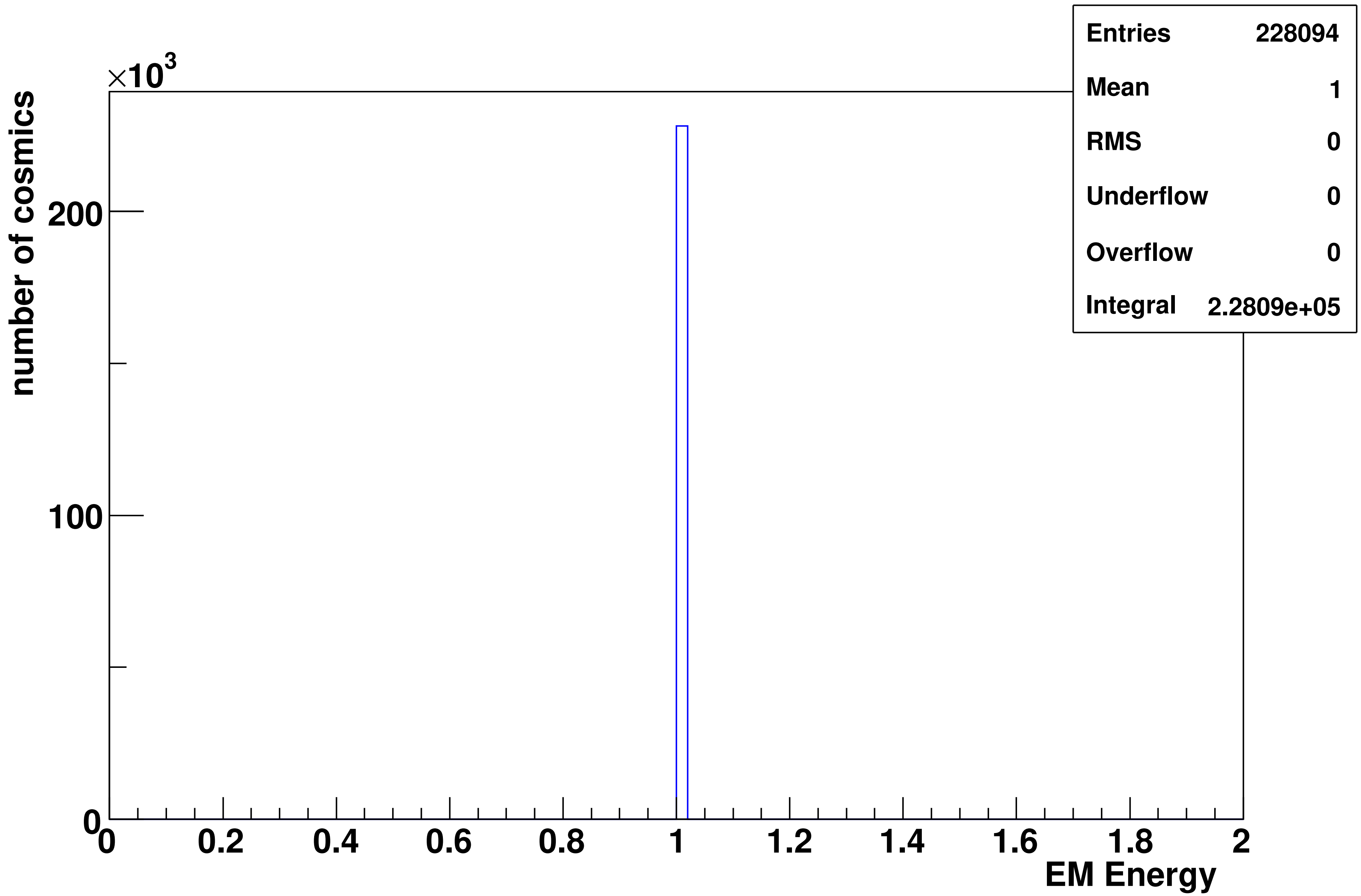

Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
number of tracks
1
0.5
0
0
20
40
60
80
100
120
140
160
180
200
p (GeV)

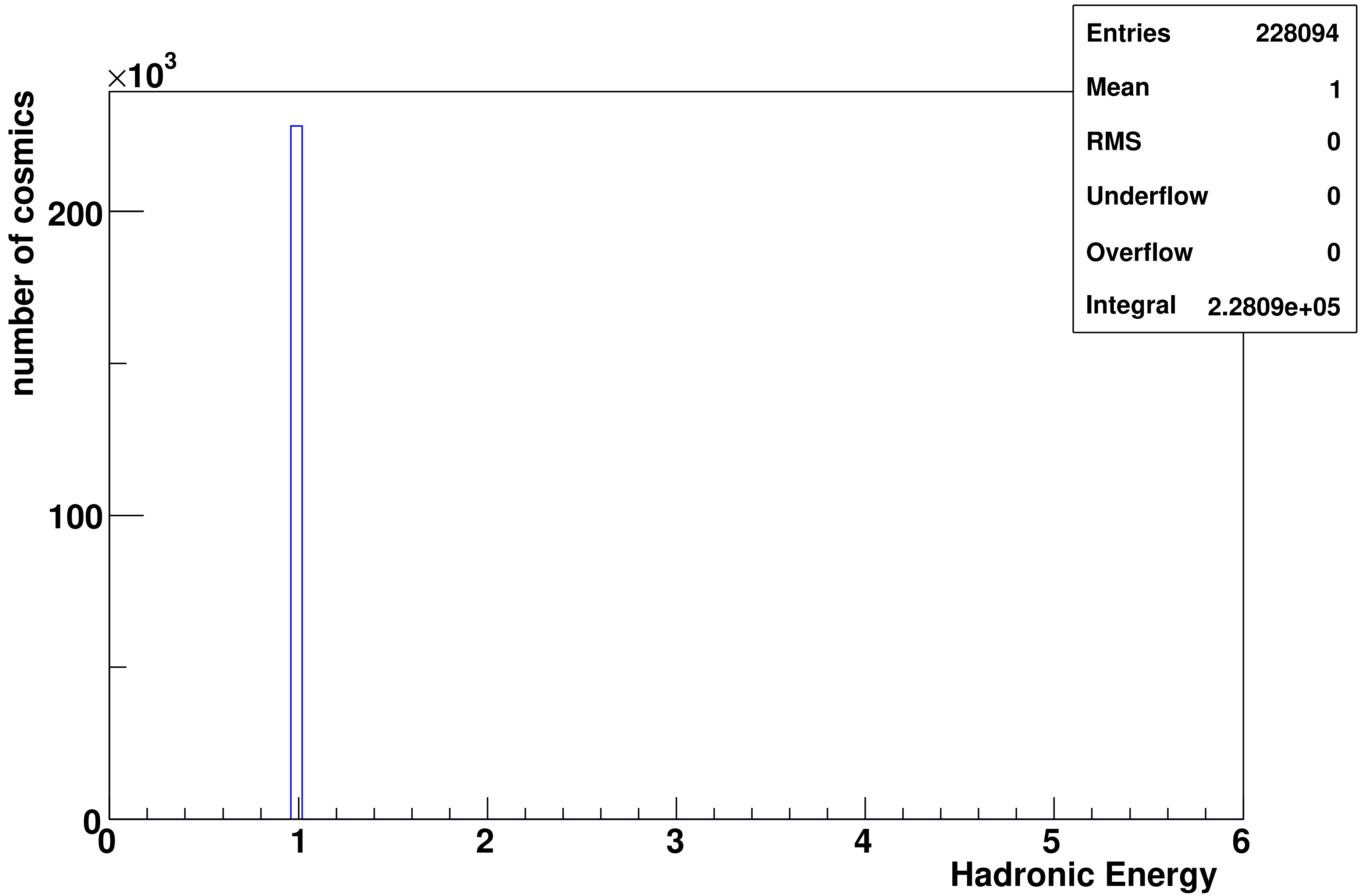


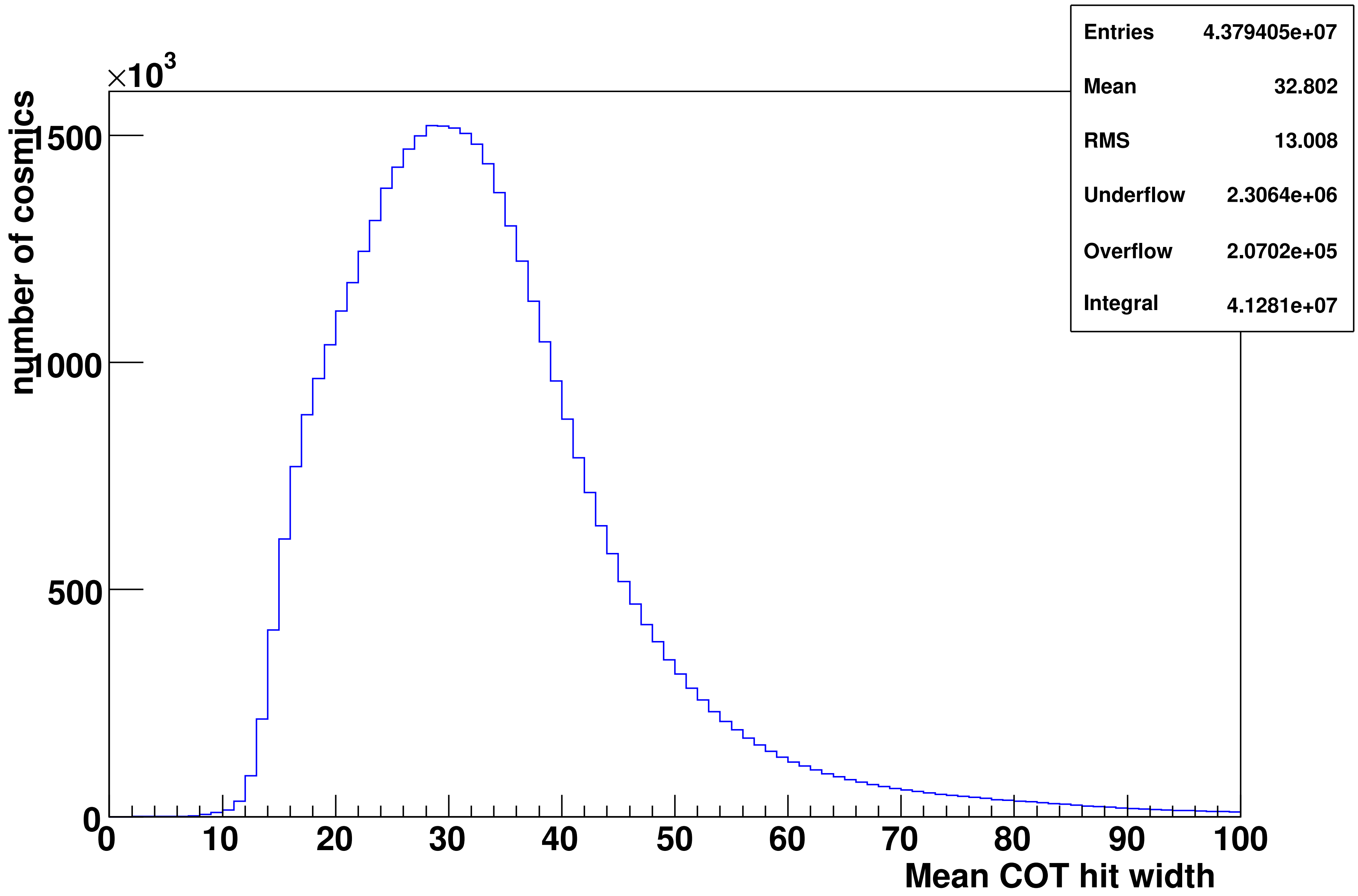
Entries 642137
Mean 30.137
RMS 29.166
Underflow 0
Overflow 8898
Integral 6.3324e+05
Ncosmics
50000
0
0
20
40
60
80
100
120
140
160
180
200
p_T (GeV)



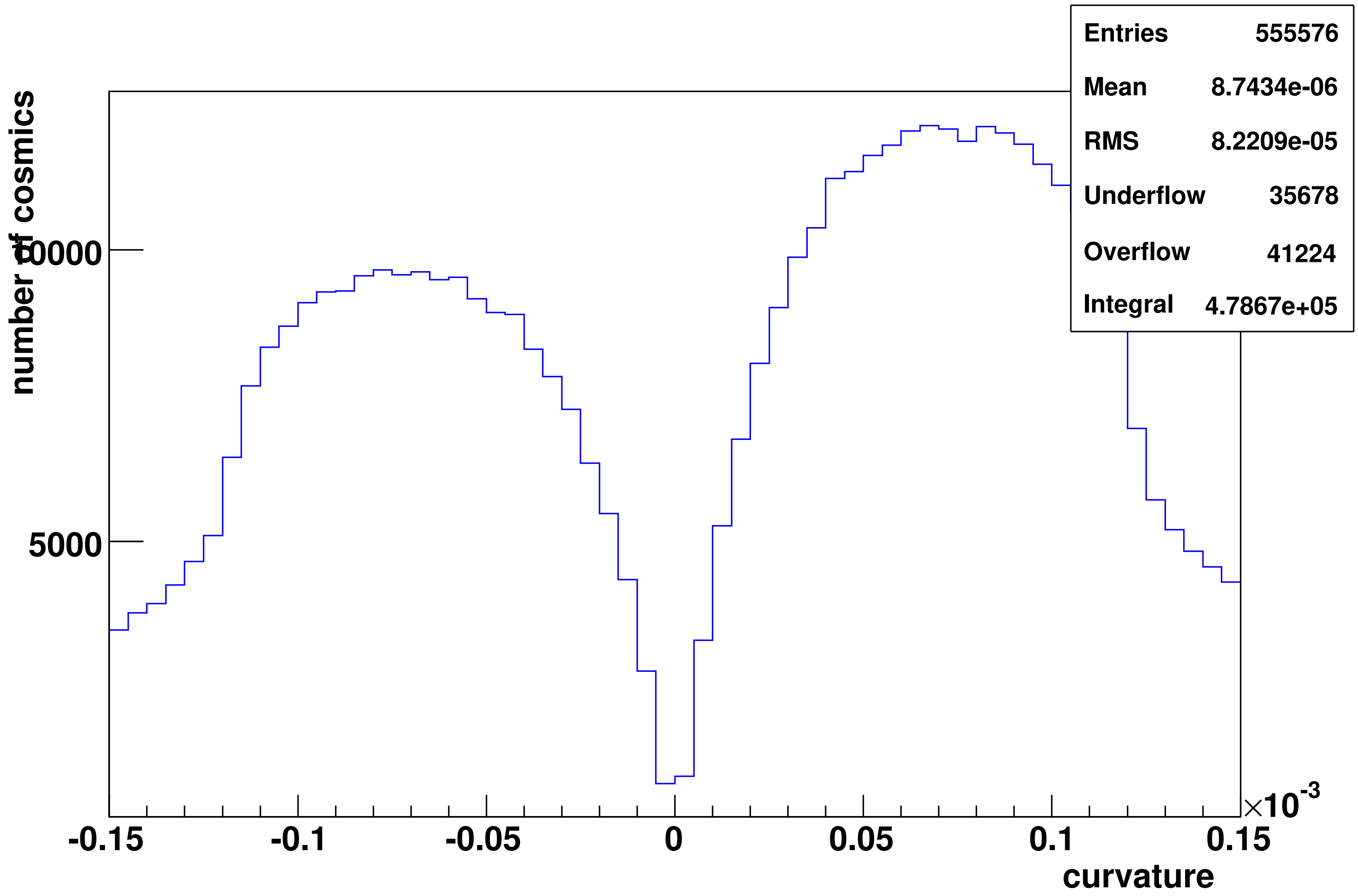
Ncosmics
Entries 642137
Mean 31.441
RMS 30.035
Underflow 0
Overflow 9891
Integral 6.3225e+05
50000
0
0
20
40
80
180
p (GeV)


Entries 228094
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.2809e+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

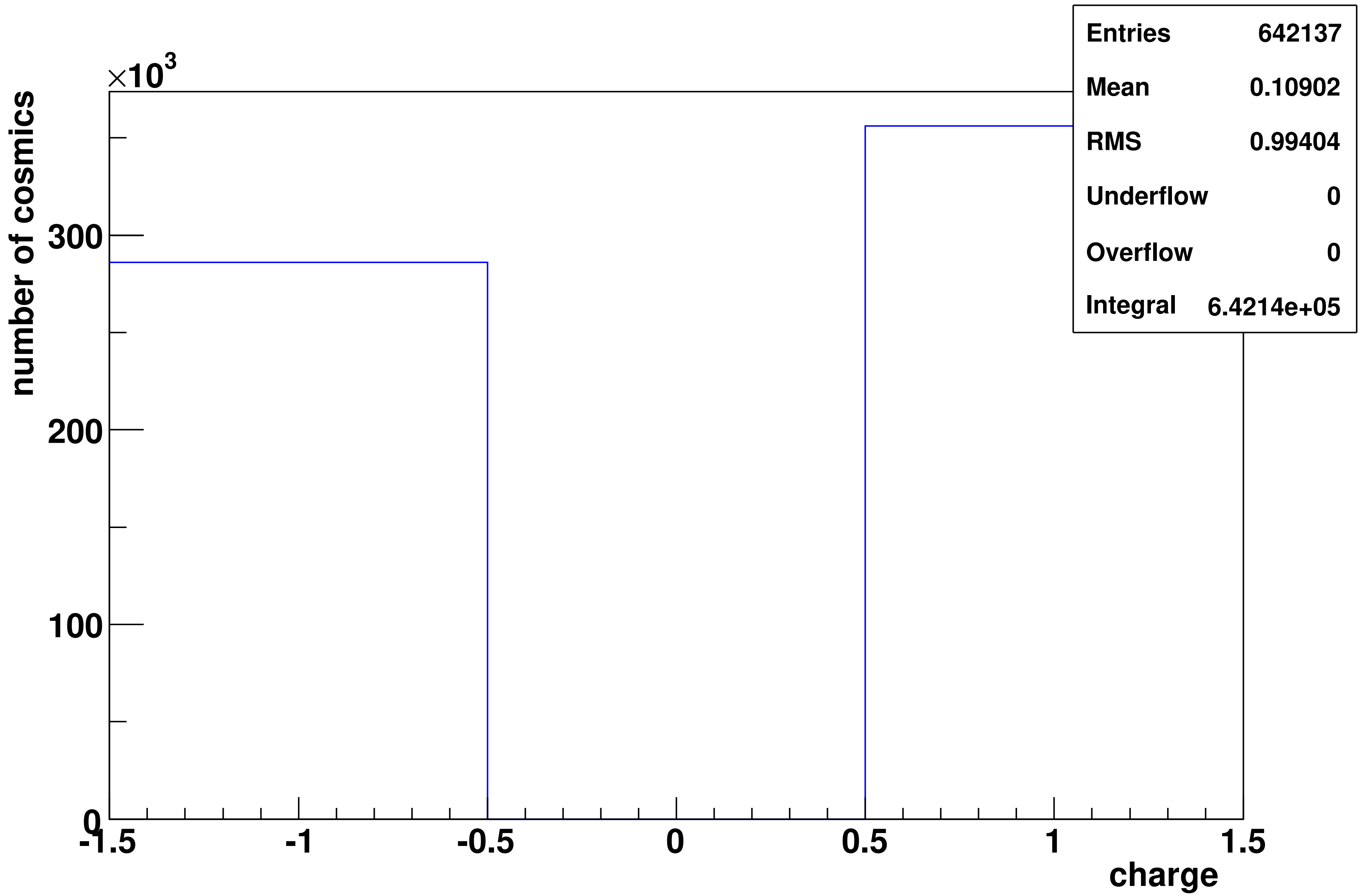

Entries 228094
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.2809e+05
×10^3
200
100
0
number of cosmics
0
1
2
3
4
5
6
Hadronic Energy



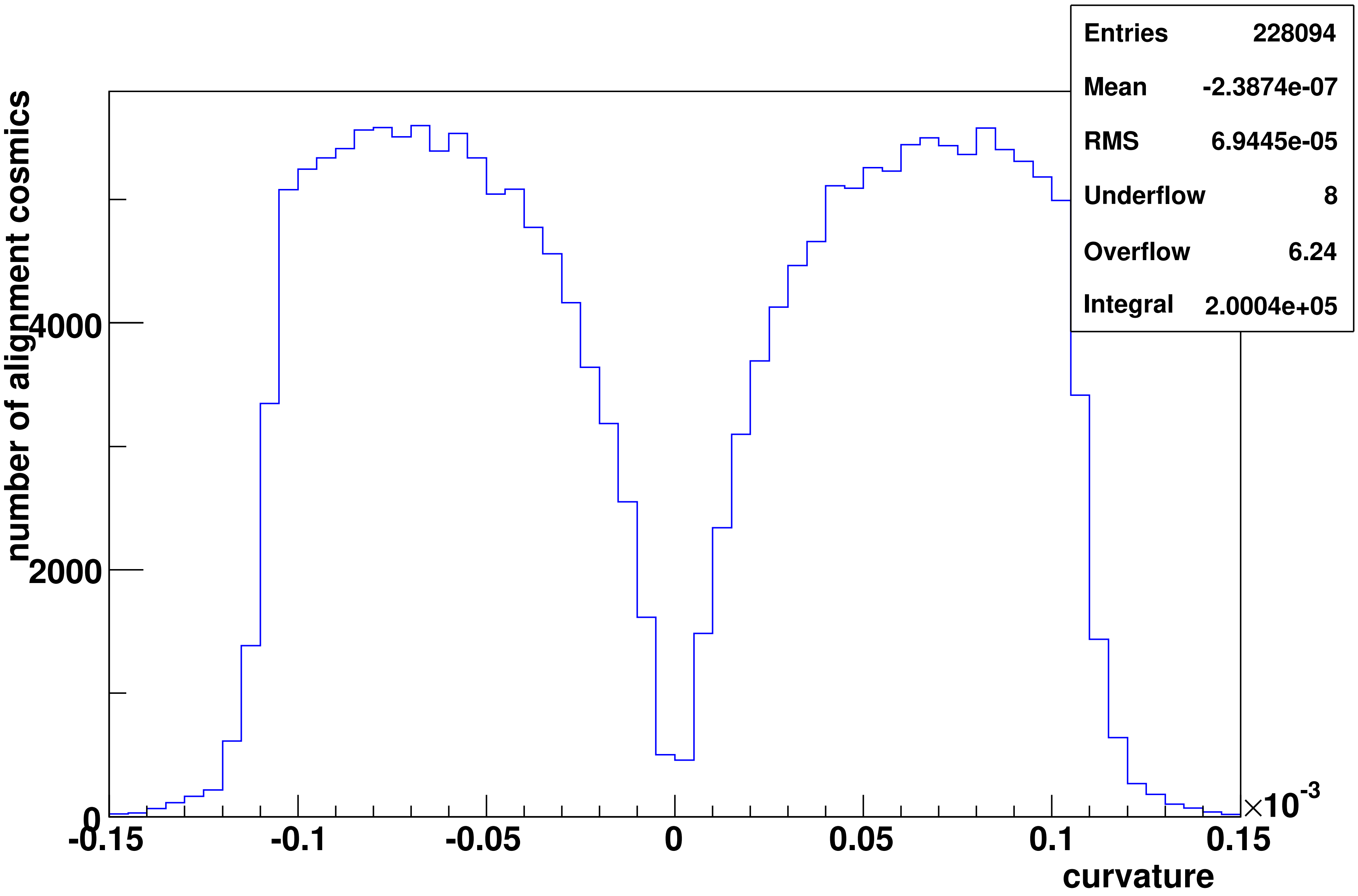
Entries 4.379405e+07
Mean 32.802
RMS 13.008
Underflow 2.3064e+06
Overflow 2.0702e+05
Integral 4.1281e+07
×10³
number of cosmics
1500
1000
500
0
0
10
20
30
40
50
60
70
80
90
100
Mean COT hit width



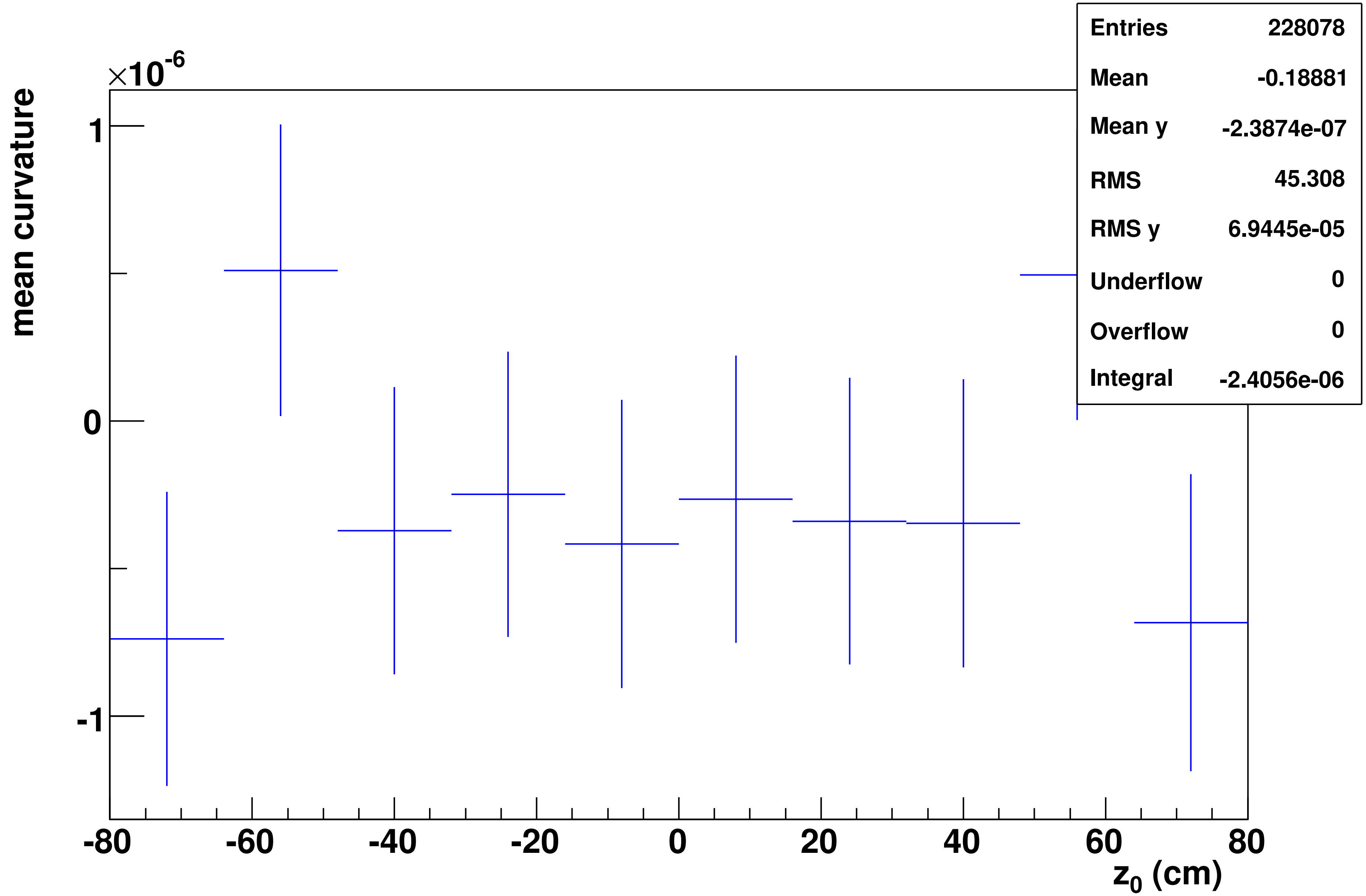
Entries 555576
Mean 8.7434e-06
RMS 8.2209e-05
Underflow 35678
Overflow 41224
Integral 4.7867e+05
number of cosmics
10000
5000
$\times 10^{-3}$
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
curvature



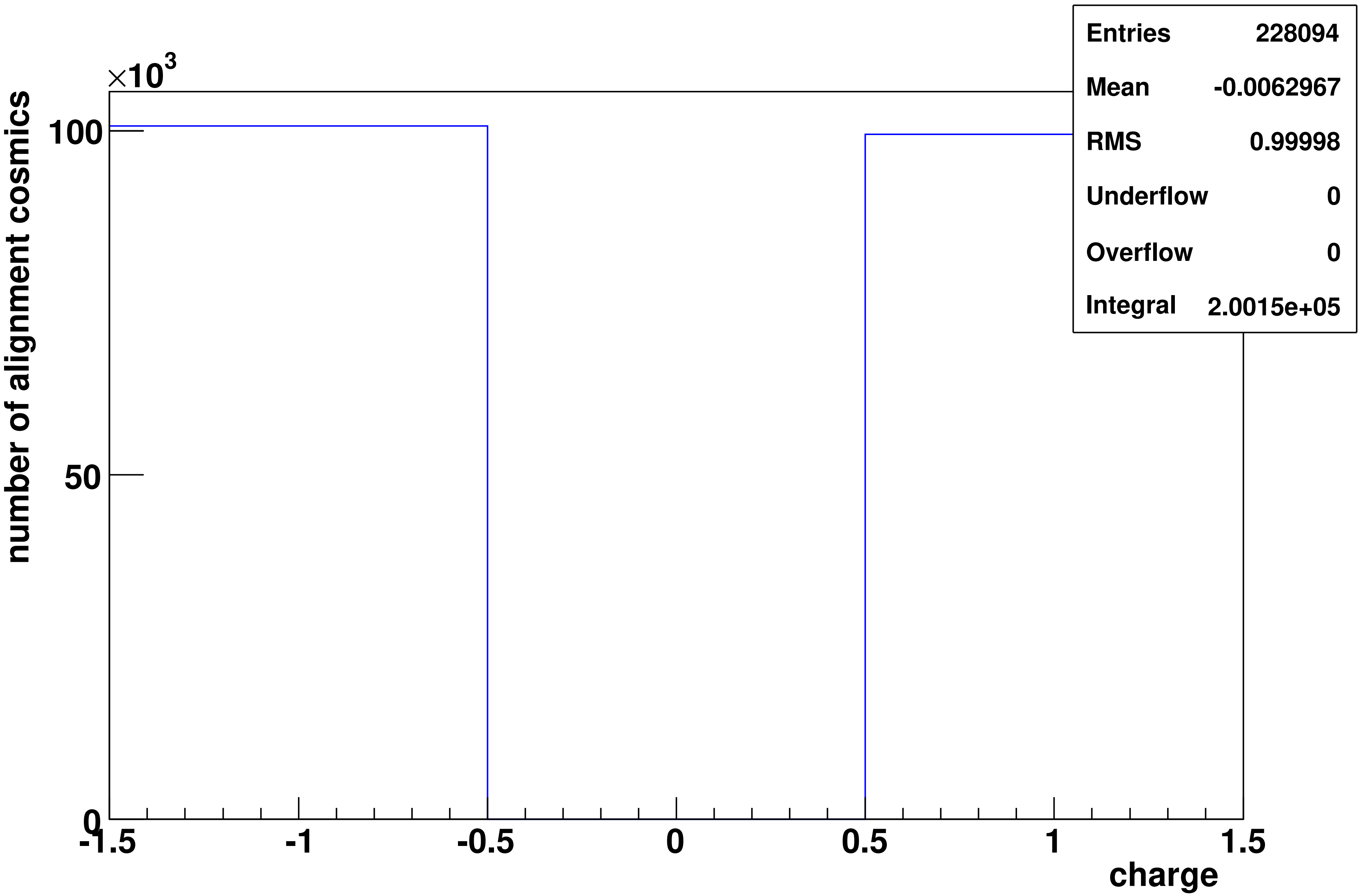
Entries 642137
Mean 0.10902
RMS 0.99404
Underflow 0
Overflow 0
Integral 6.4214e+05
$\times 10^3$
number of cosmics
300
200
100
0
-1.5
-1
-0.5
0
0.5
1
1.5
charge



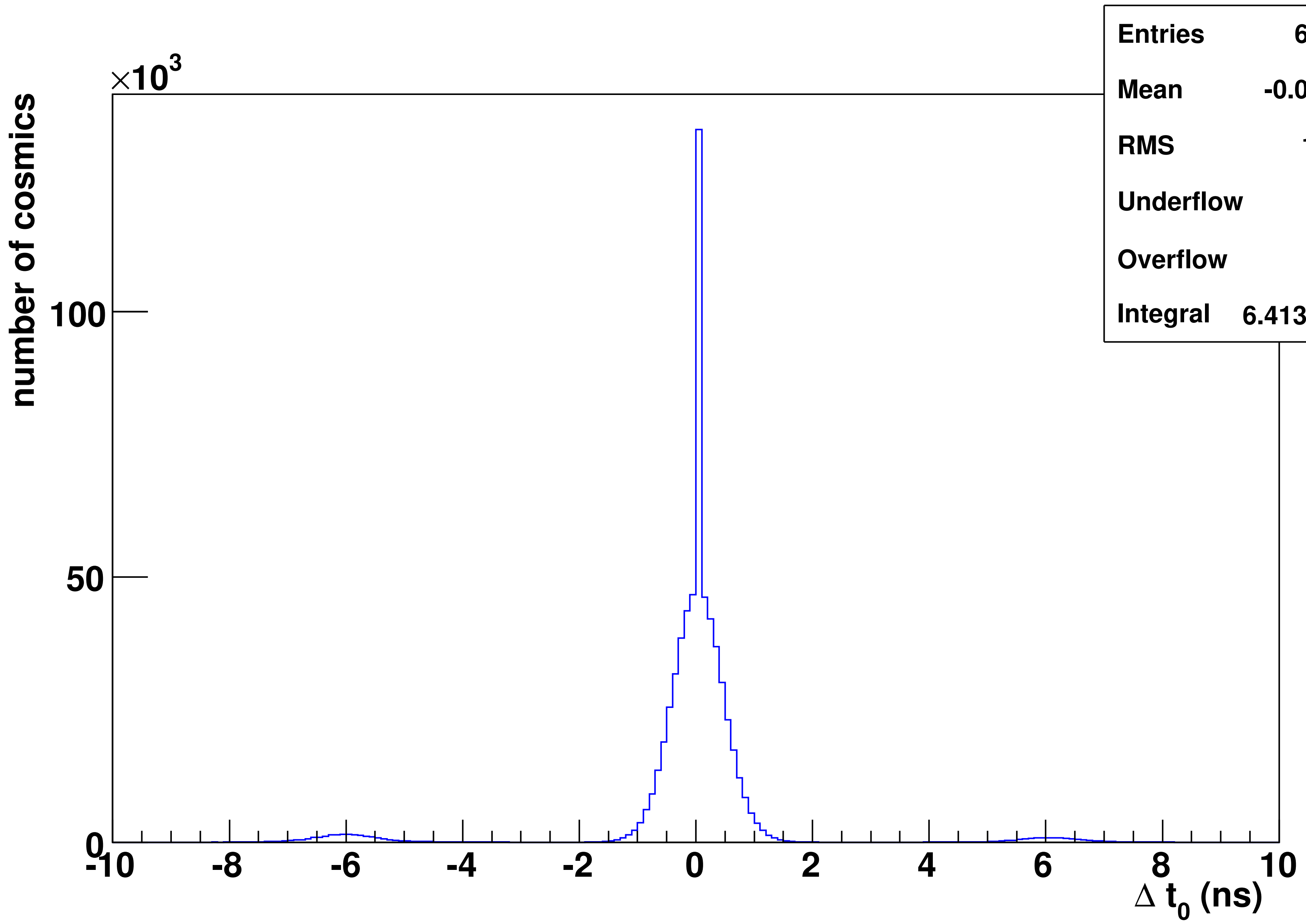
Entries 228094
Mean -2.3874e-07
RMS 6.9445e-05
Underflow 8
Overflow 6.24
Integral 2.0004e+05
number of alignment cosmics
0
2000
4000
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
×10-3
curvature



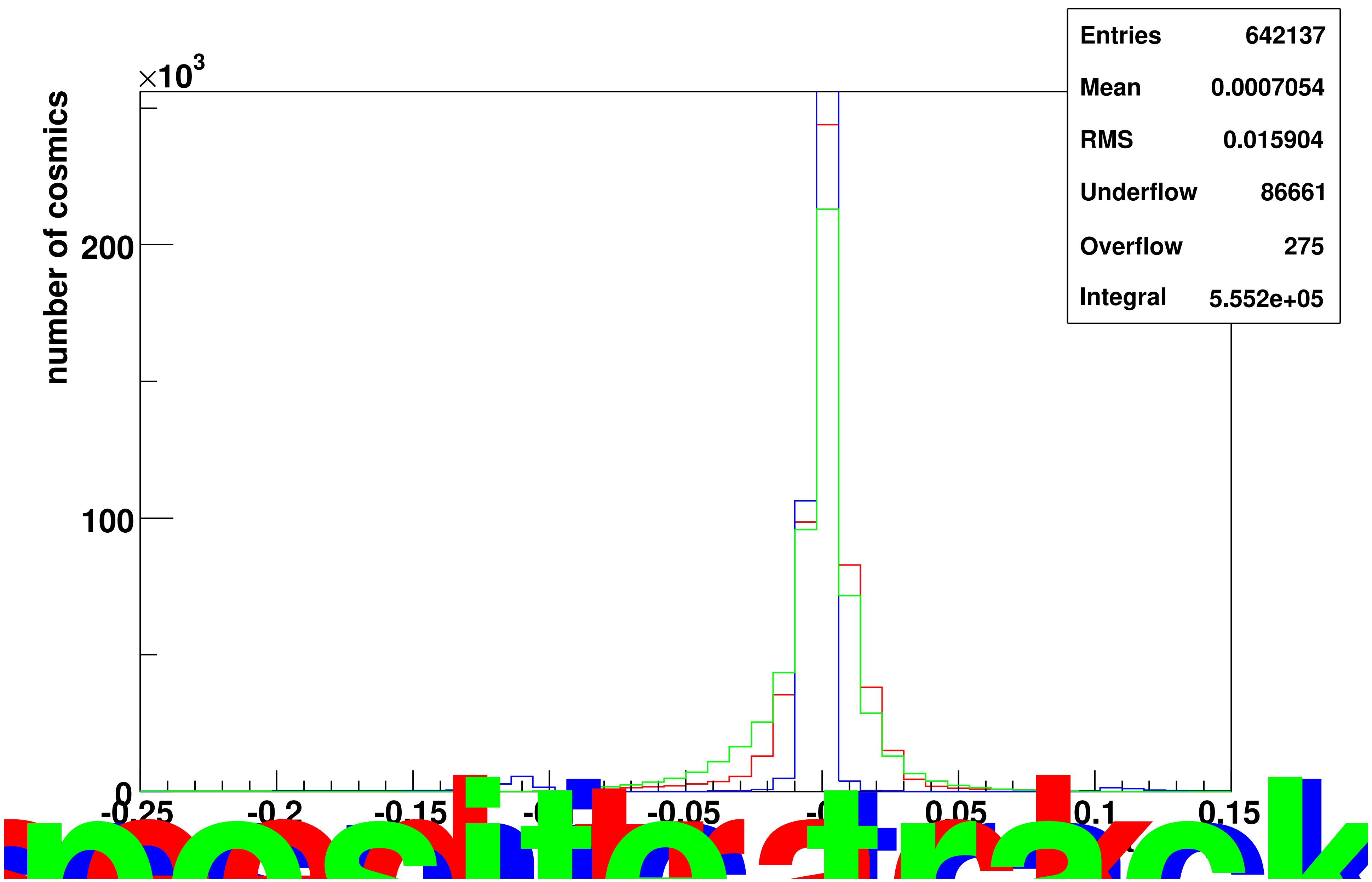
mean curvature
×10-6
1
0
-1
-80
-60
-40
-20
0
20
40
60
80
z0 (cm)
Entries 228078
Mean -0.18881
Mean y -2.3874e-07
RMS 45.308
RMS y 6.9445e-05
Underflow 0
Overflow 0
Integral -2.4056e-06



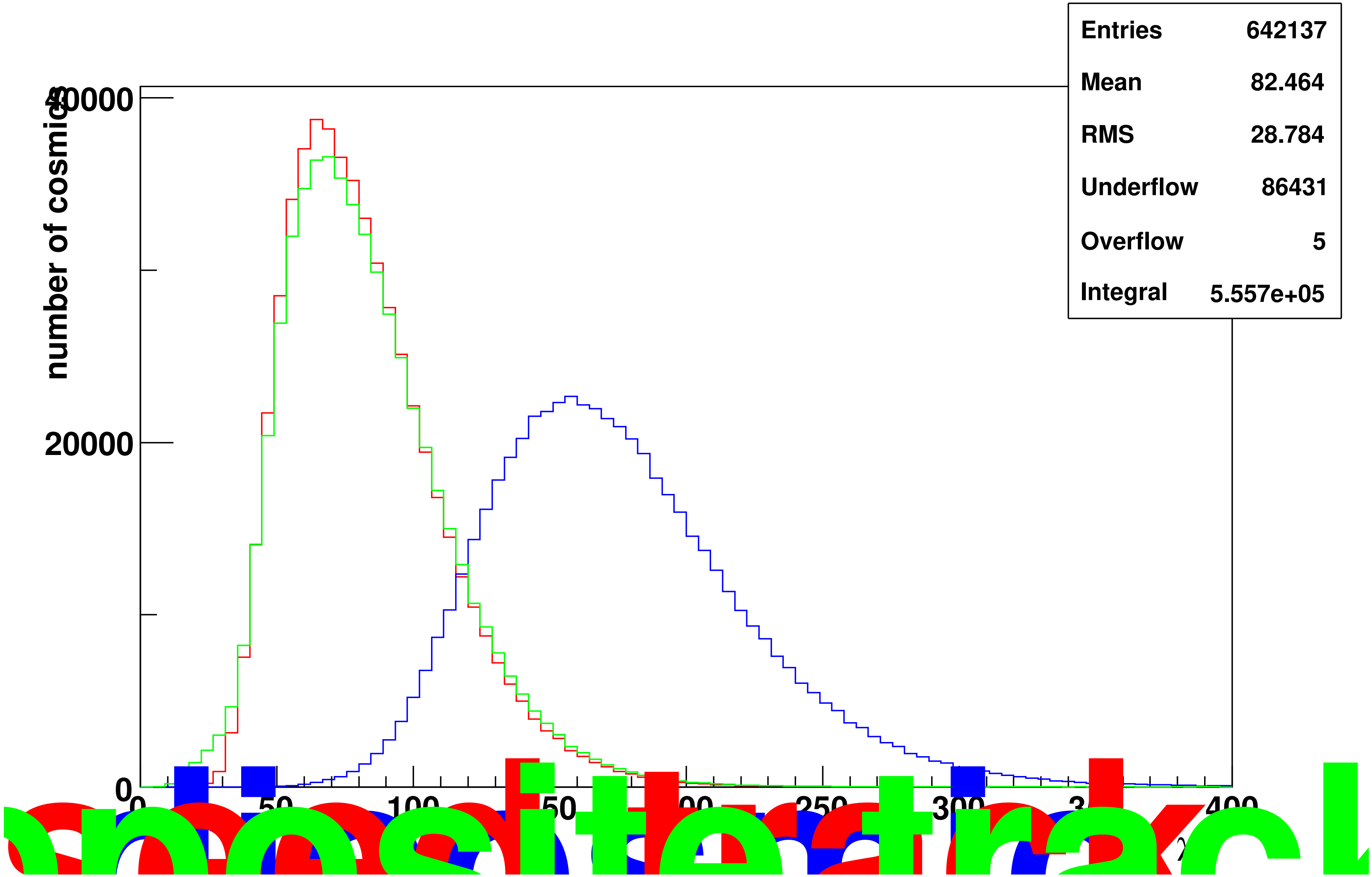
Entries 228094
Mean -0.0062967
RMS 0.99998
Underflow 0
Overflow 0
Integral 2.0015e+05
×10^3
100
50
0
number of alignment cosmics
-1.5
-1
-0.5
0
0.5
1
1.5
charge

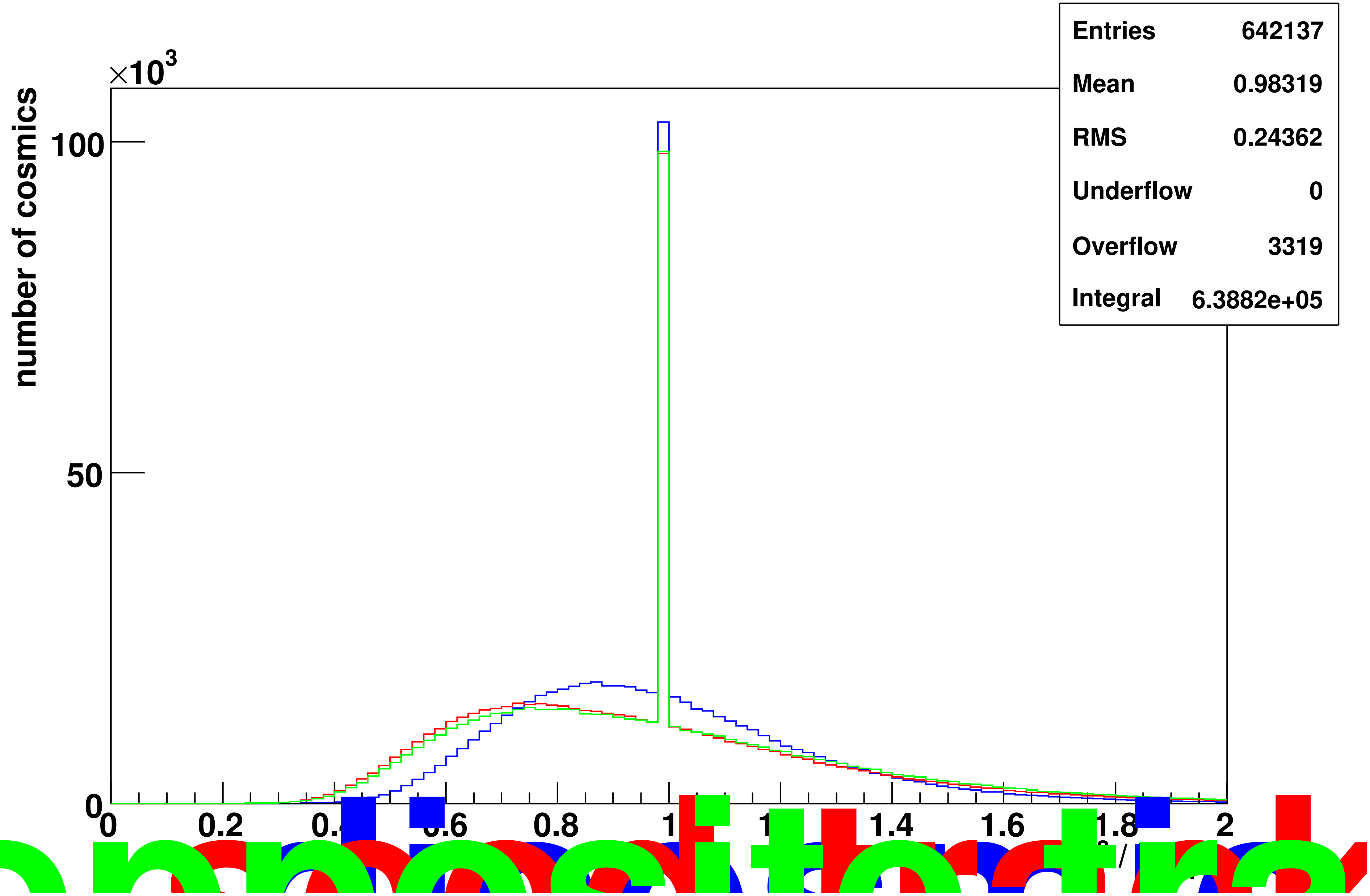


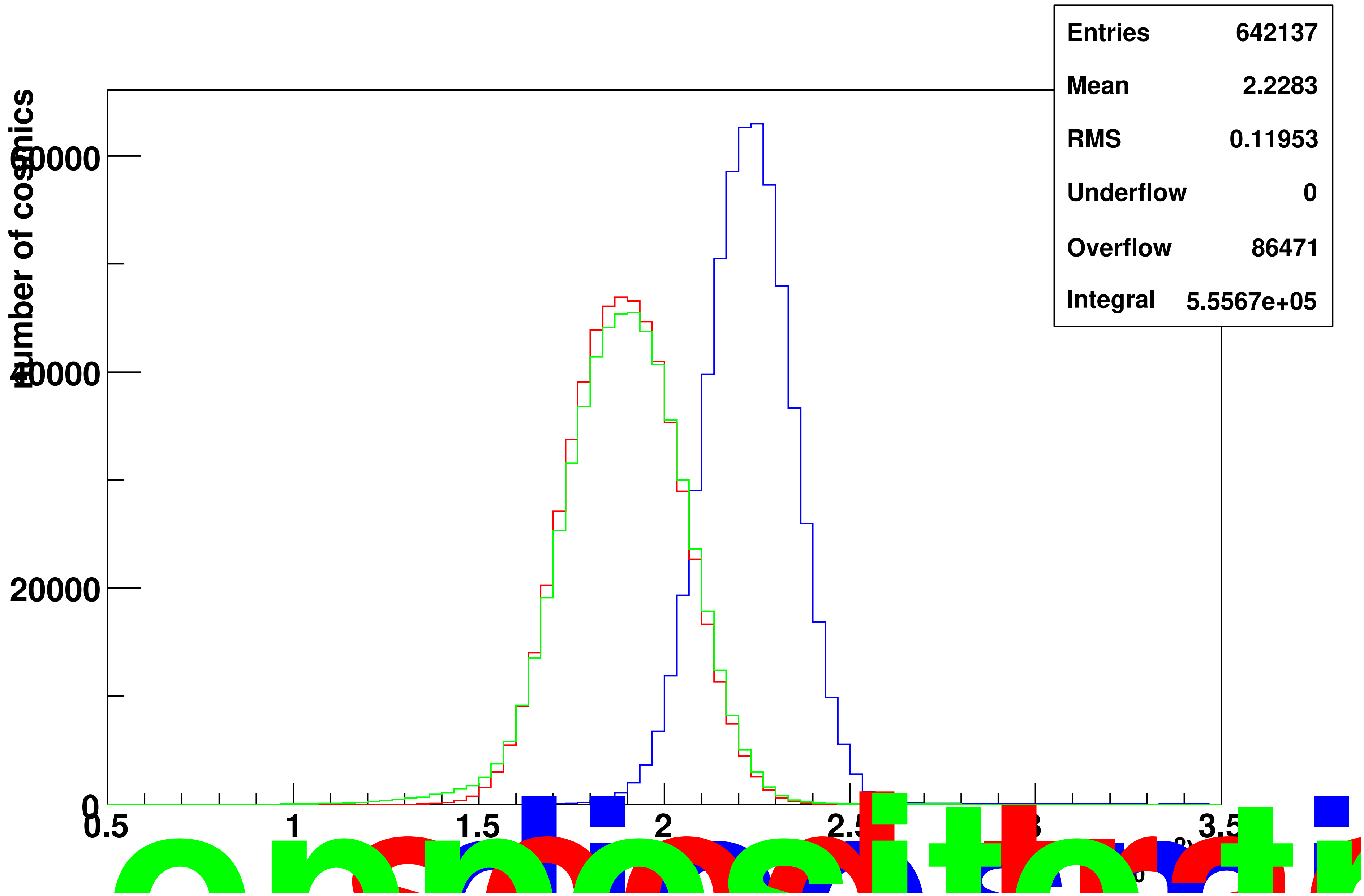
Entries 642137
Mean -0.047778
RMS 1.4293
Underflow 648
Overflow 169
Integral 6.4132e+05
×10^3
number of cosmics
100
50
0
-10
-8
-6
-4
-2
0
2
4
6
8
10
Δ t_0 (ns)



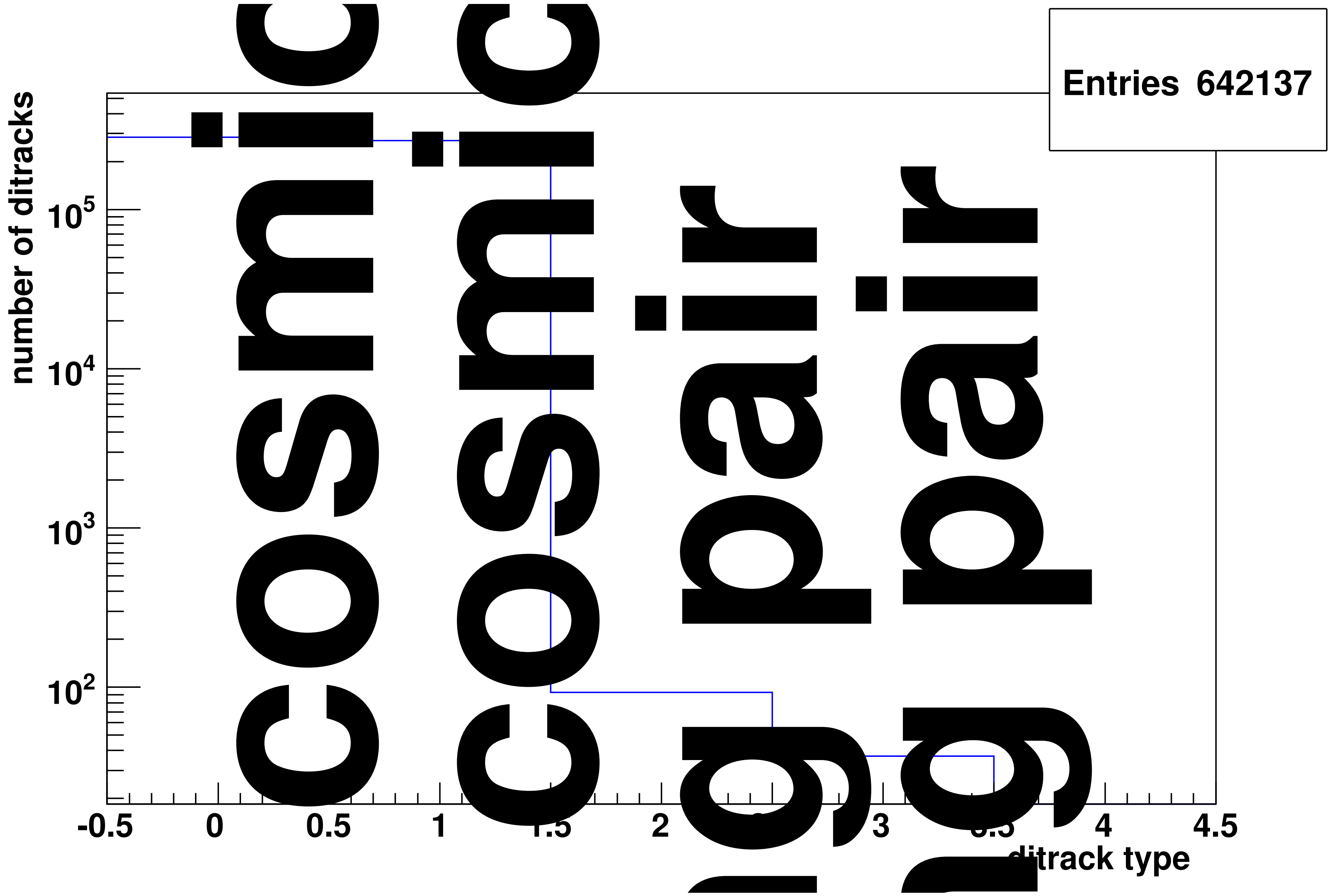
×10^3
number of cosmics
200
100
0
-0.25
-0.2
-0.15
-0.05
0.05
0.1
0.15
Entries 642137
Mean 0.0007054
RMS 0.015904
Underflow 86661
Overflow 275
Integral 5.552e+05


number of cosmics
40000
20000
0
0
50
100
150
250
300
400
Entries 642137
Mean 82.464
RMS 28.784
Underflow 86431
Overflow 5
Integral 5.557e+05

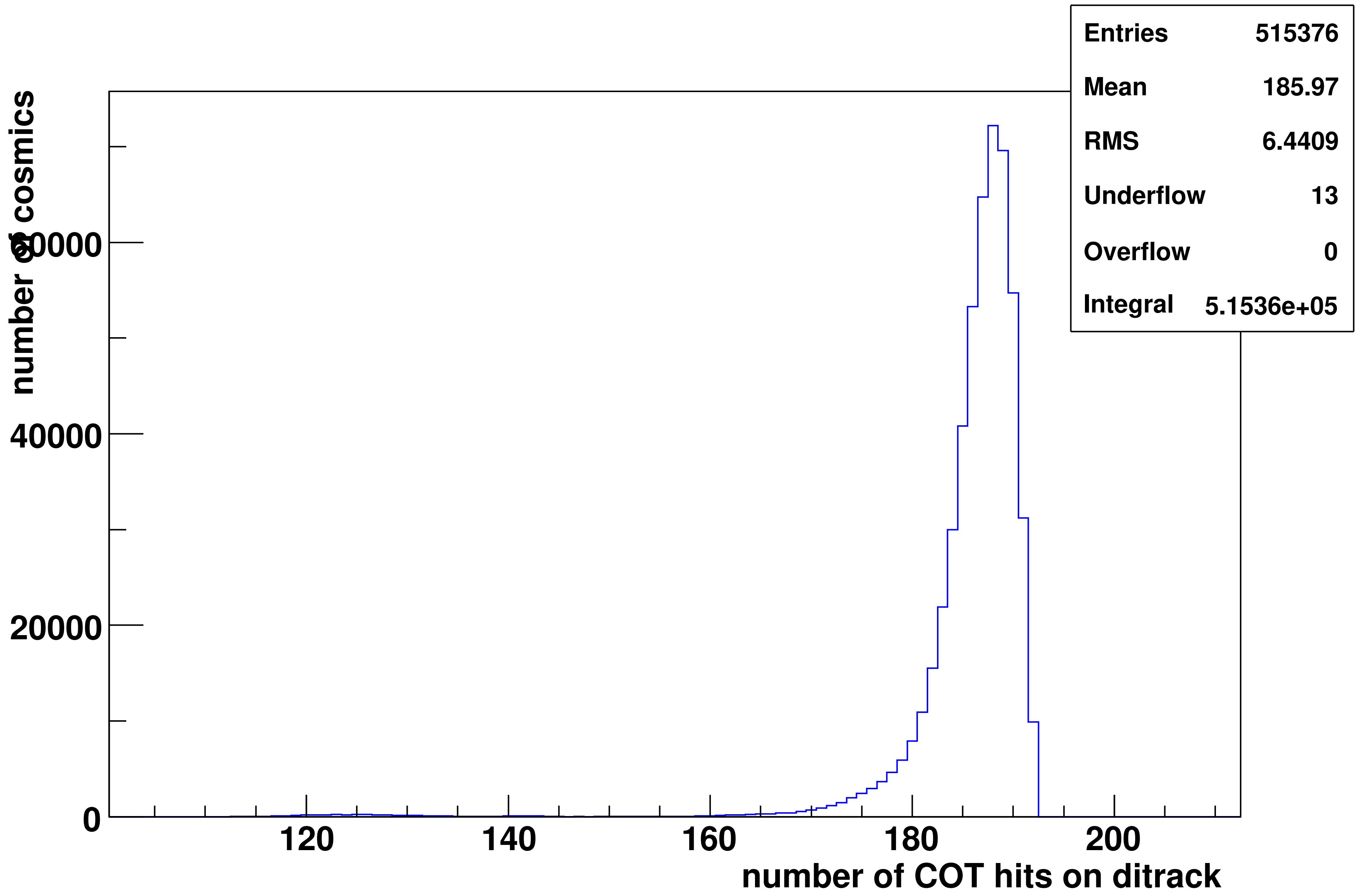

Entries 642137
Mean 0.98319
RMS 0.24362
Underflow 0
Overflow 3319
Integral 6.3882e+05
number of cosmics
×10^3
100
50
0
0
0.2
0.6
0.8
1
1.4
1.6
1.8
2



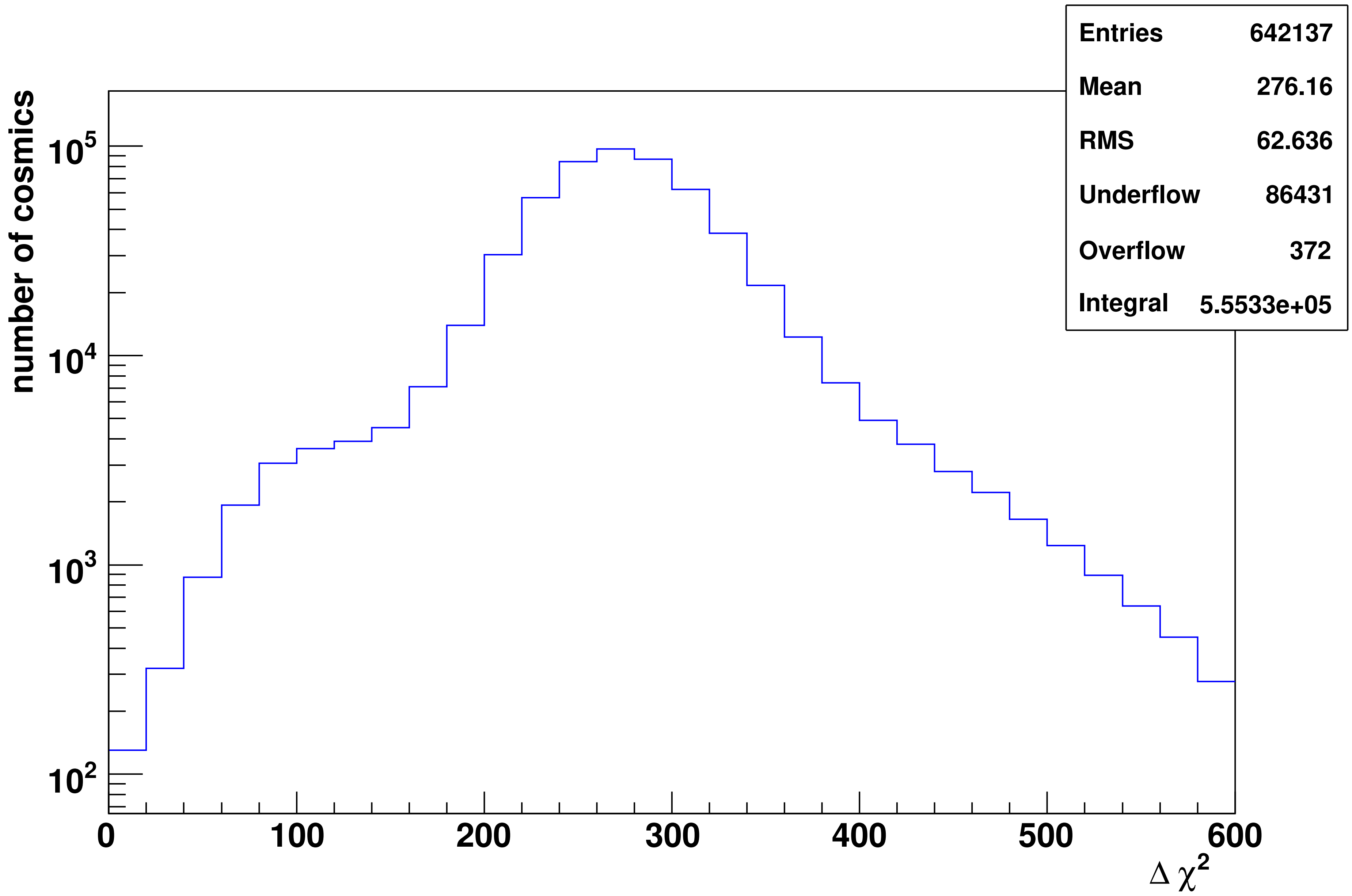
Entries 642137
Mean 2.2283
RMS 0.11953
Underflow 0
Overflow 86471
Integral 5.5567e+05
number of cosmics
60000
40000
20000
0
0.5
1
1.5
2
3.5



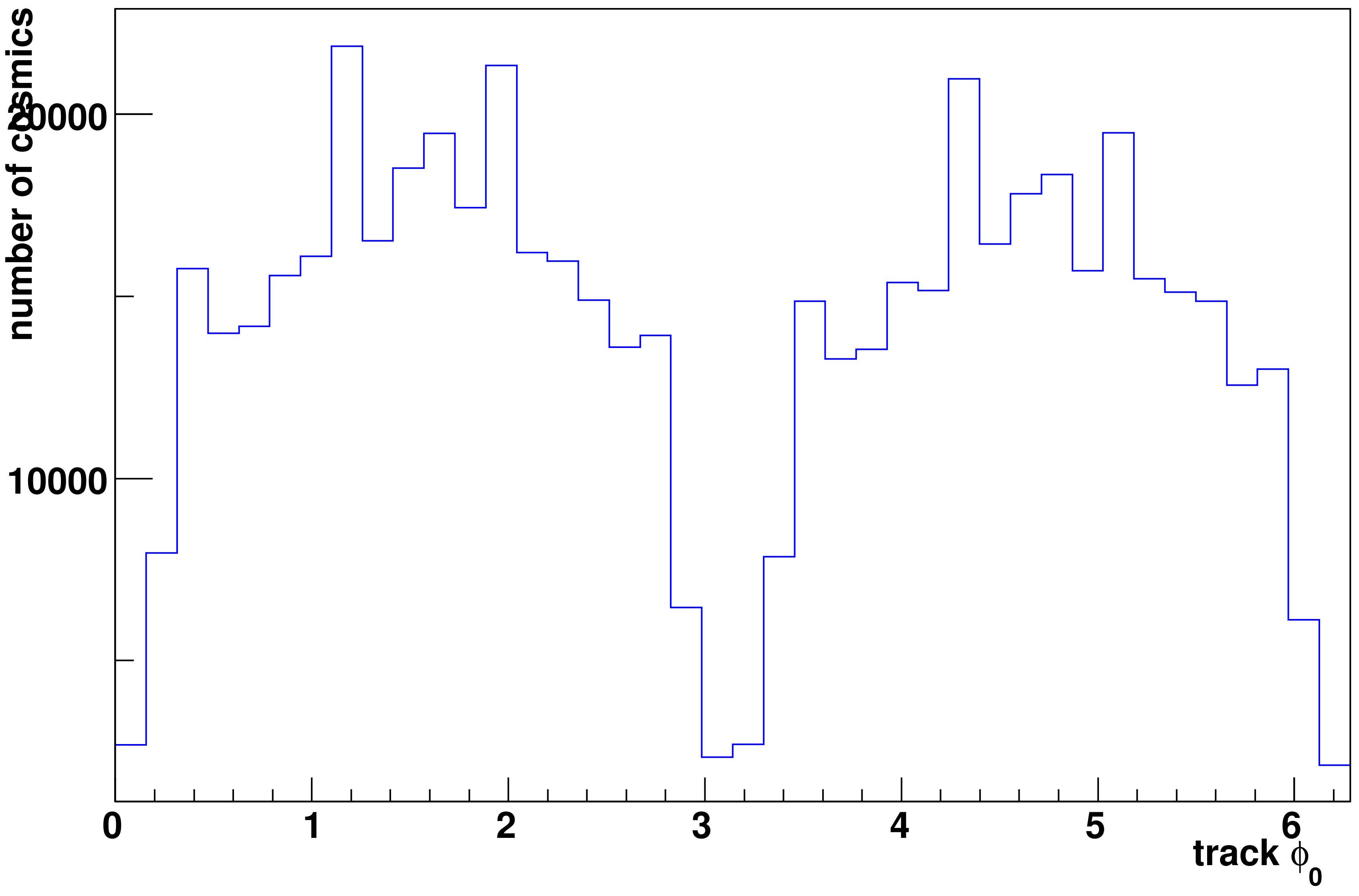
Entries 642137
number of ditracks
10^5
10^4
10^3
10^2
-0.5
0
0.5
1
1.5
2
3
4
4.5
ditrack type
cosmic
cosmic
pair
pair



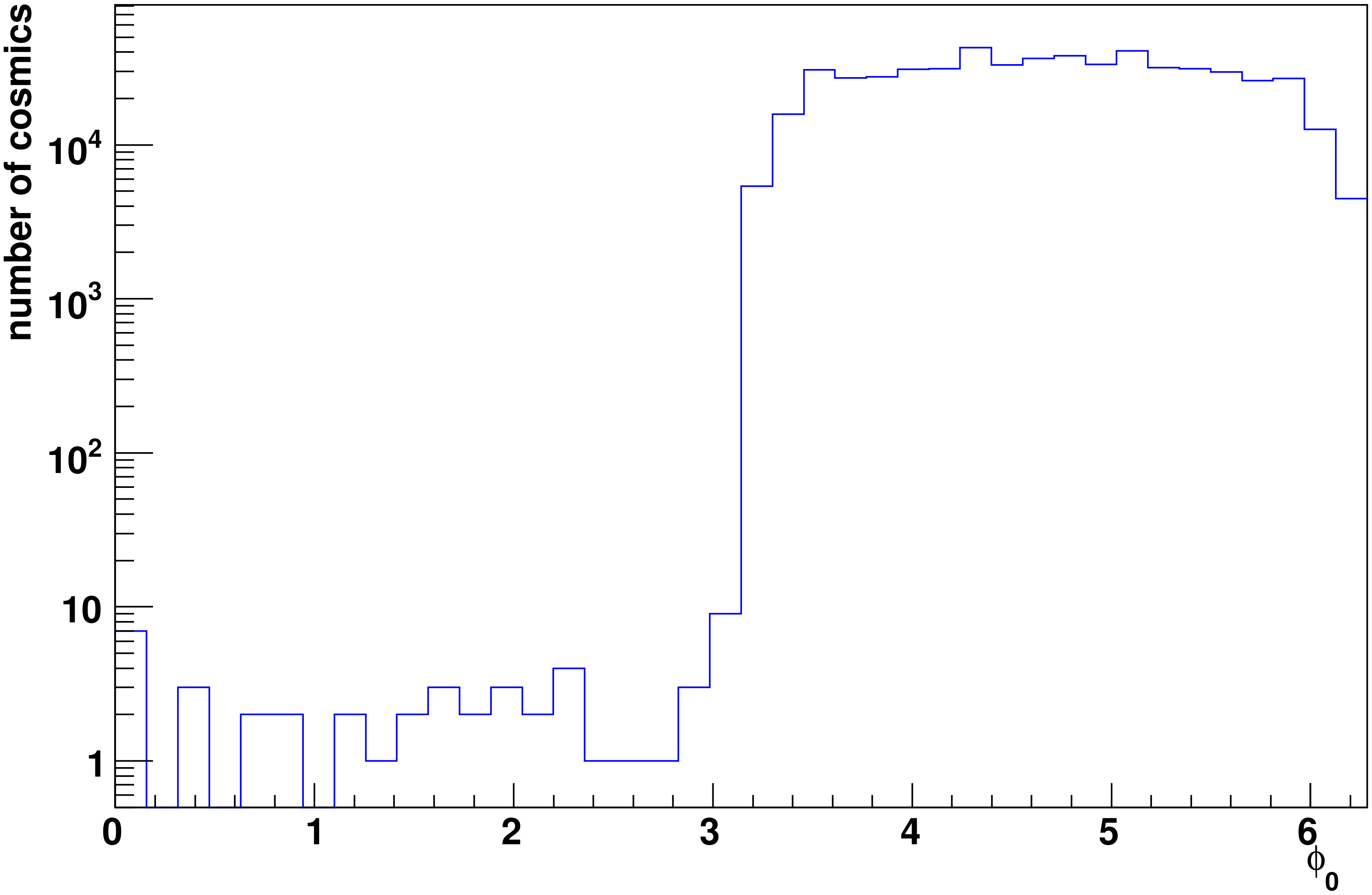
Entries 515376
Mean 185.97
RMS 6.4409
Underflow 13
Overflow 0
Integral 5.1536e+05
number of cosmics
0
20000
40000
60000
120
140
160
180
200
number of COT hits on ditrack



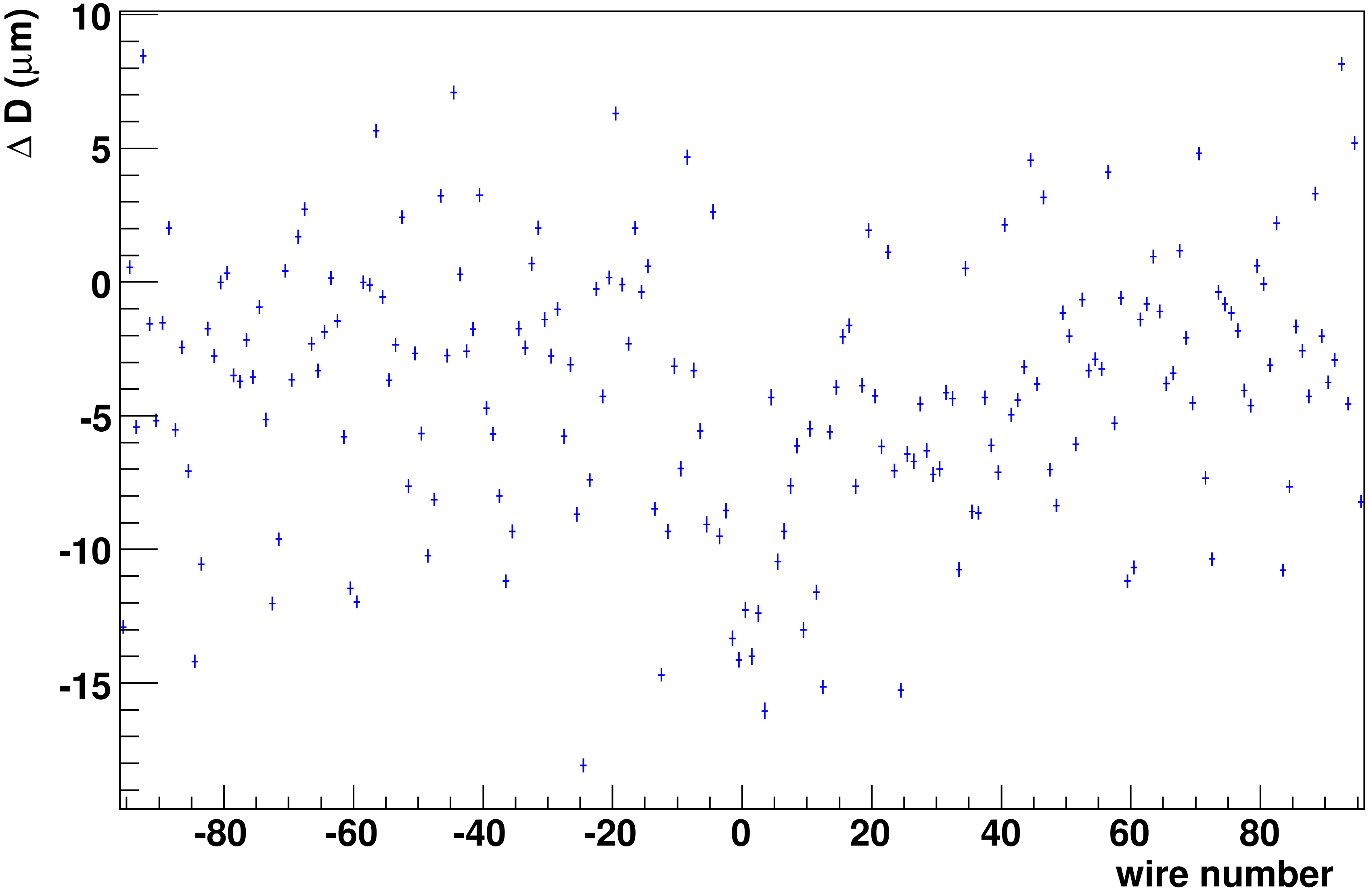
Entries 642137
Mean 276.16
RMS 62.636
Underflow 86431
Overflow 372
Integral 5.5533e+05
number of cosmics
10^5
10^4
10^3
10^2
0
100
200
300
400
500
600
$\Delta\chi^2$



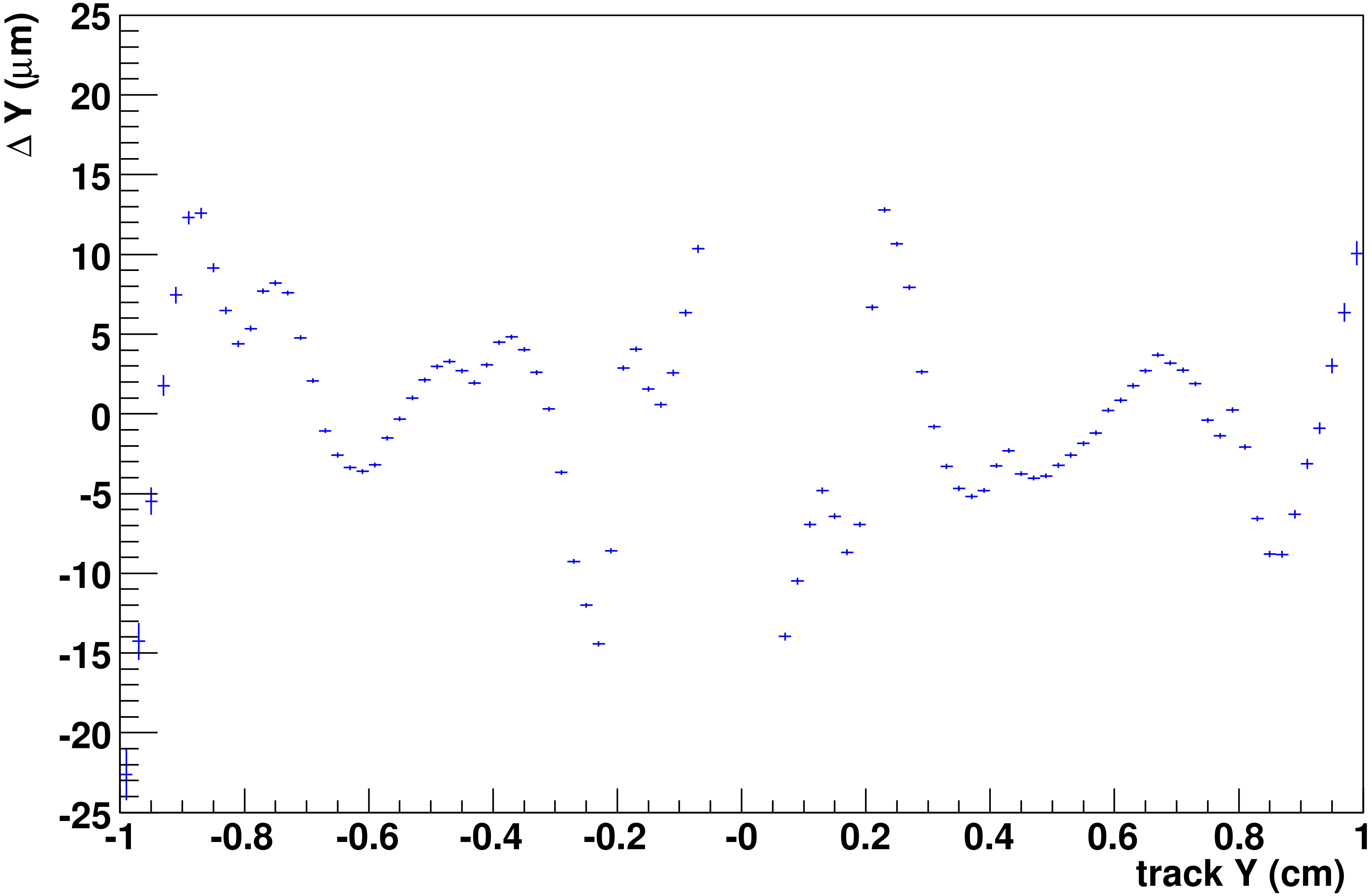
number of cosmics
20000
10000
0
1
2
3
4
5
6
track ϕ_0



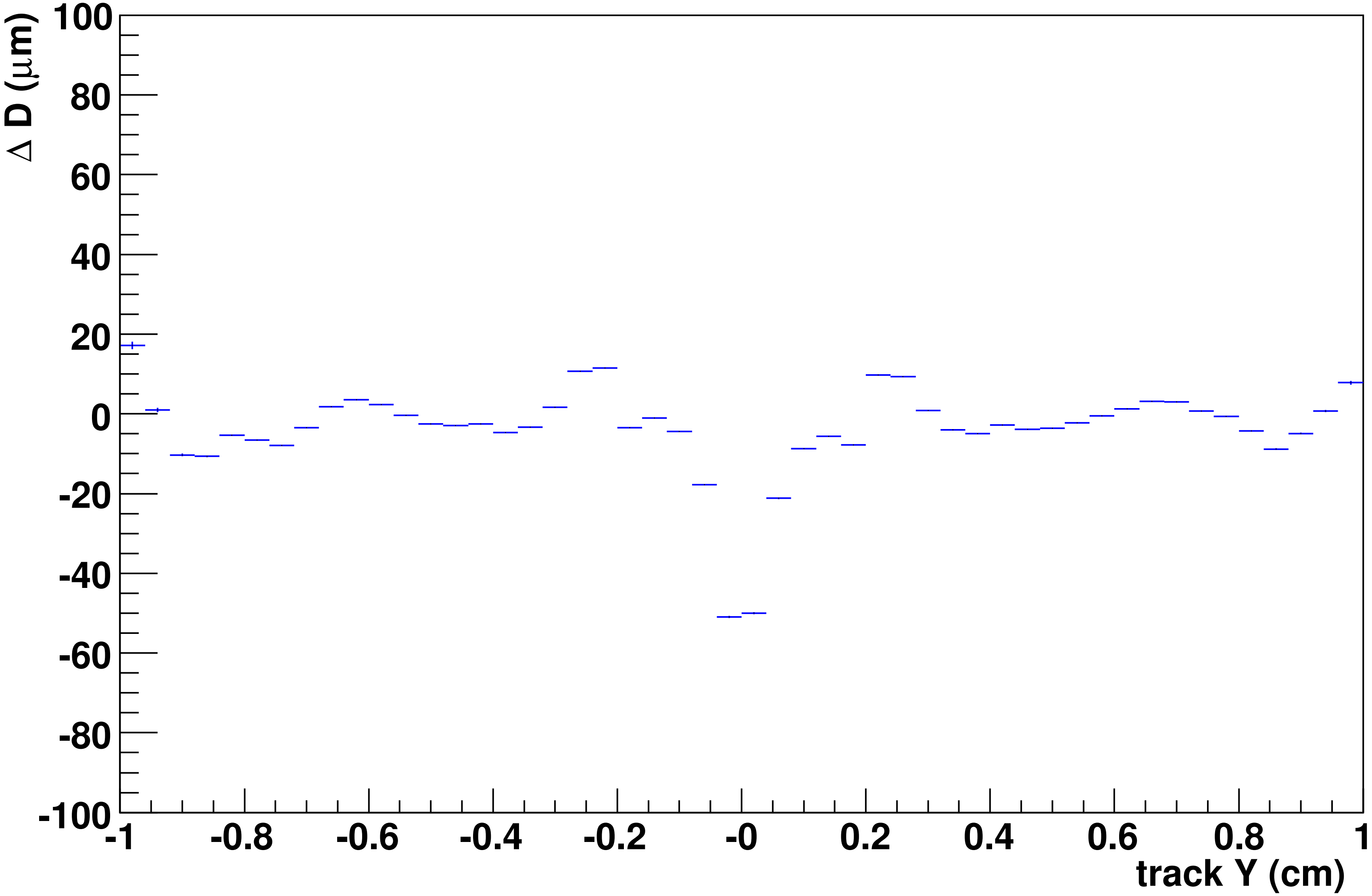
number of cosmics
1
10
10^2
10^3
10^4
0
1
2
3
4
5
6
ϕ_0



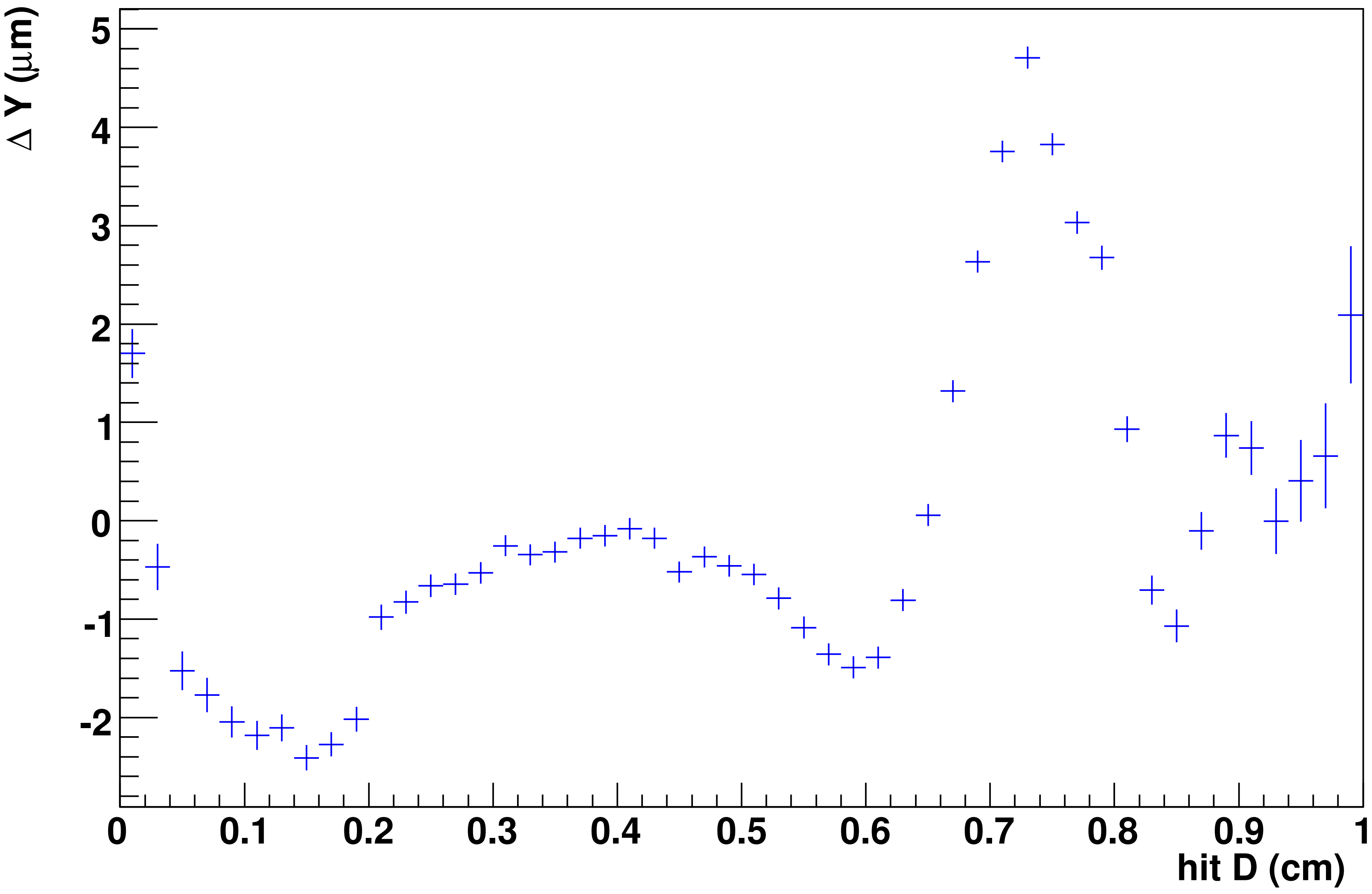
Δ D (μm)
10
5
0
-5
-10
-15
-80
-60
-40
-20
0
20
40
60
80
wire number



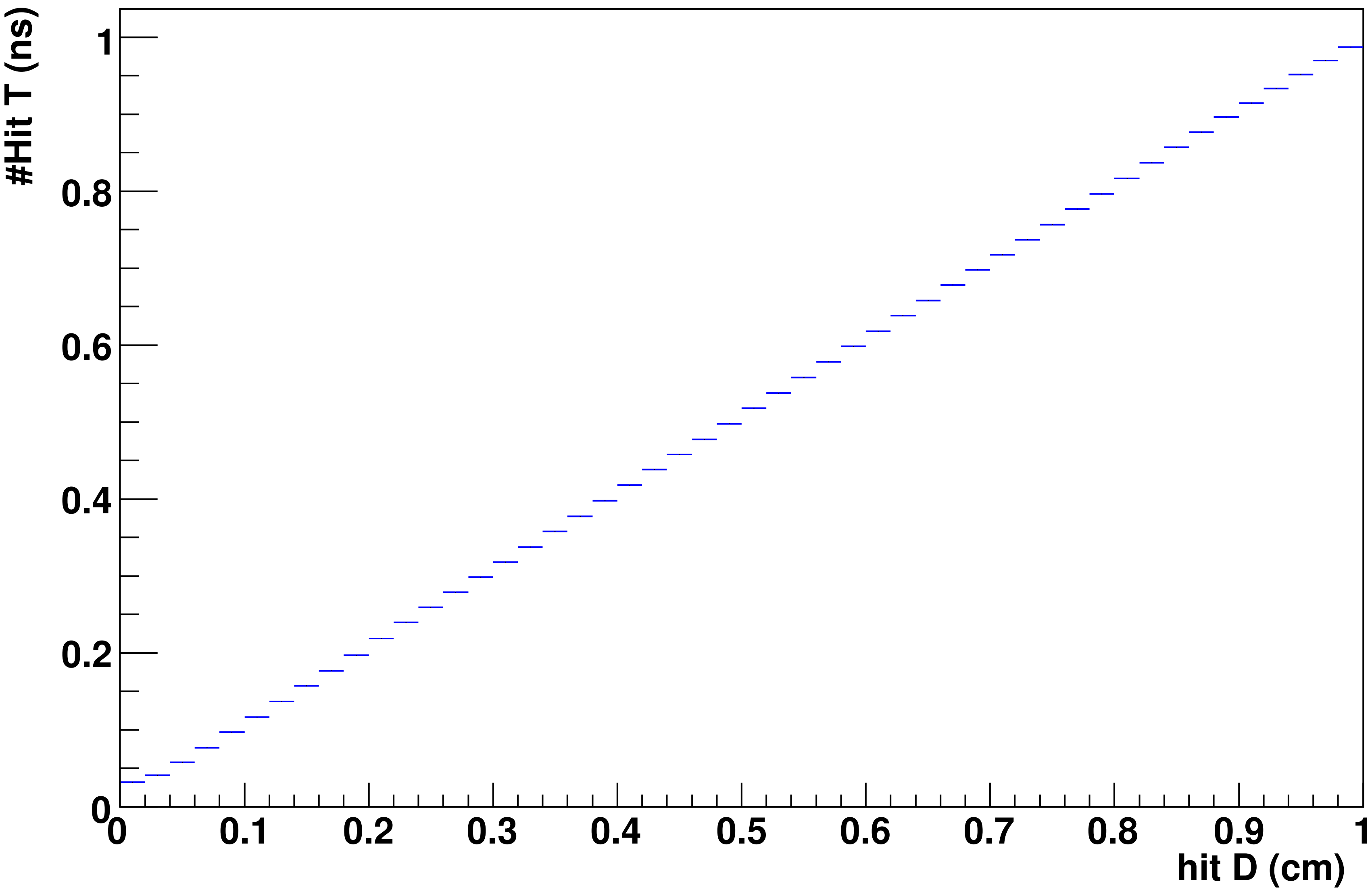
Δ Y (μm)
25
20
15
10
5
0
-5
-10
-15
-20
-25
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)



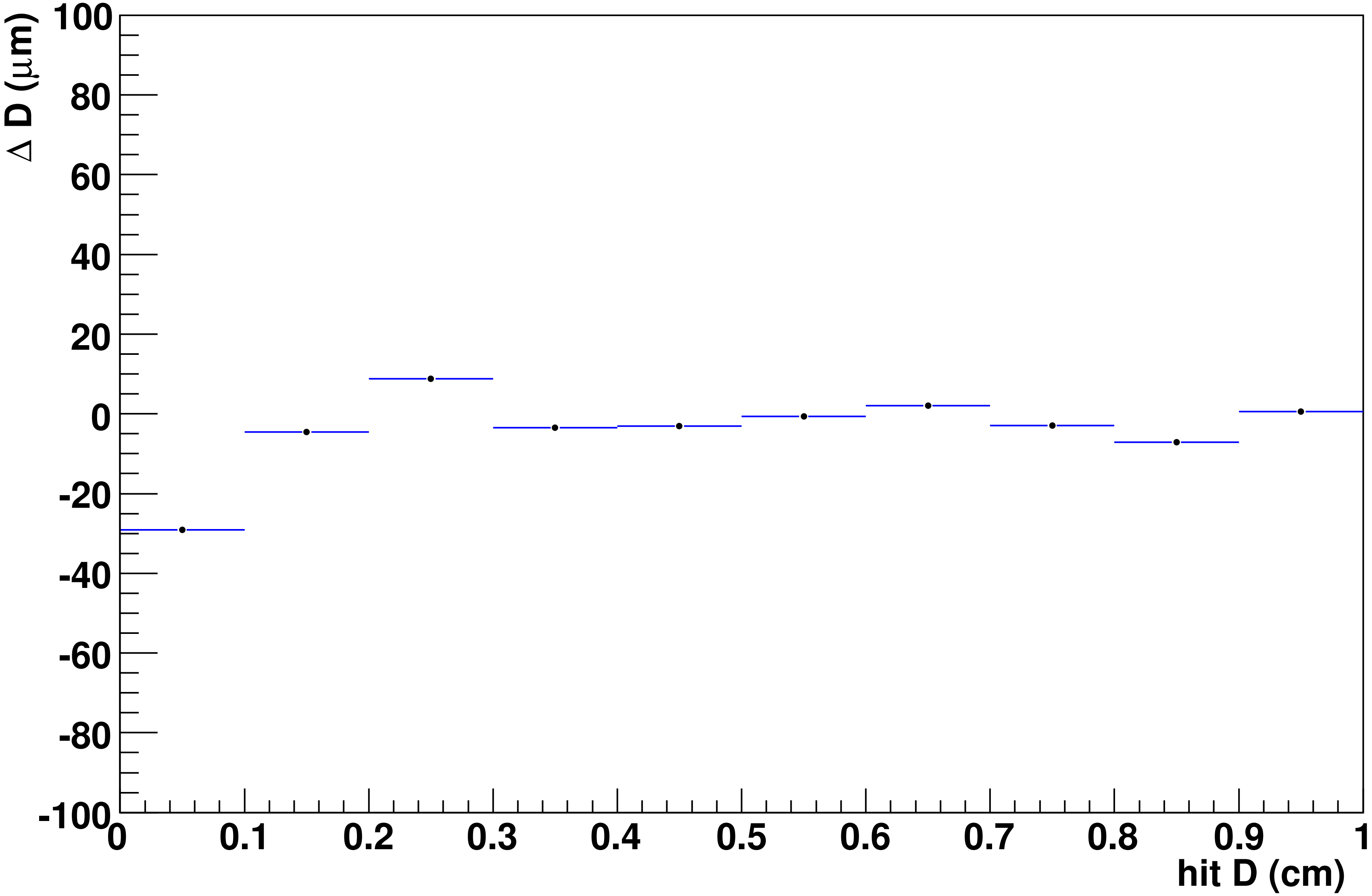
Δ D (μm)
100
80
60
40
20
0
-20
-40
-60
-80
-100
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)



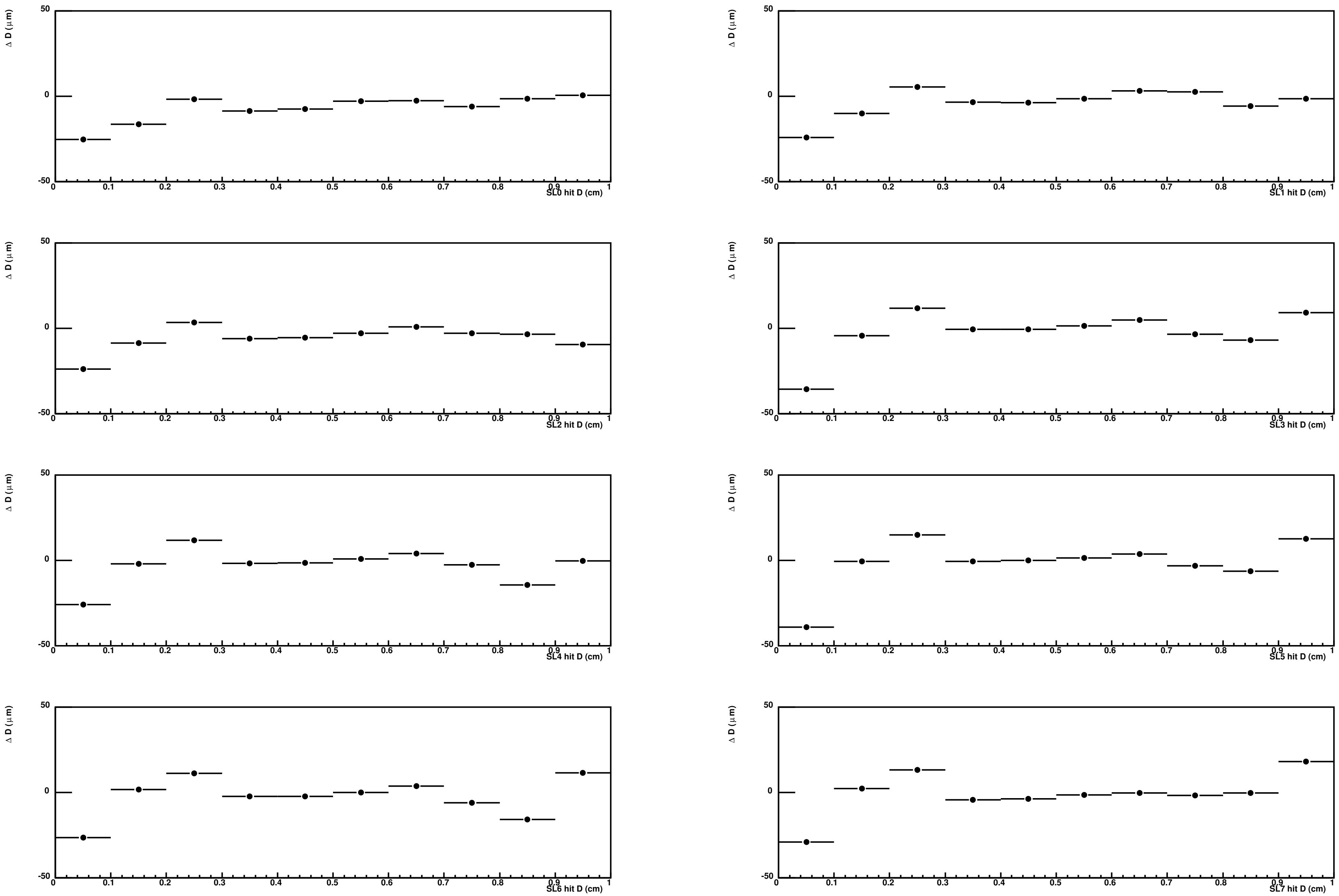
Δ Y (μm)
5
4
3
2
1
0
-1
-2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)



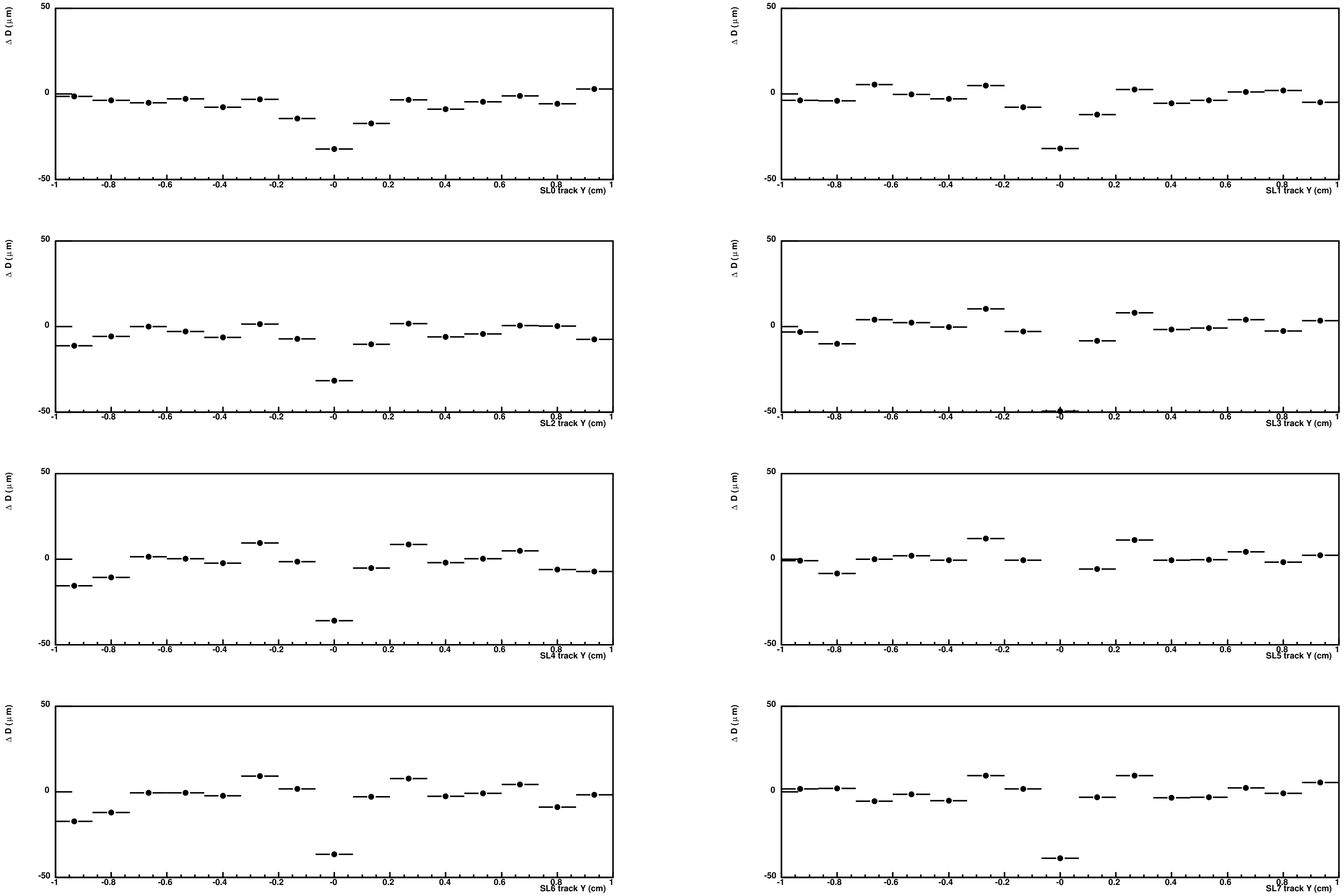
#Hit T (ns)
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

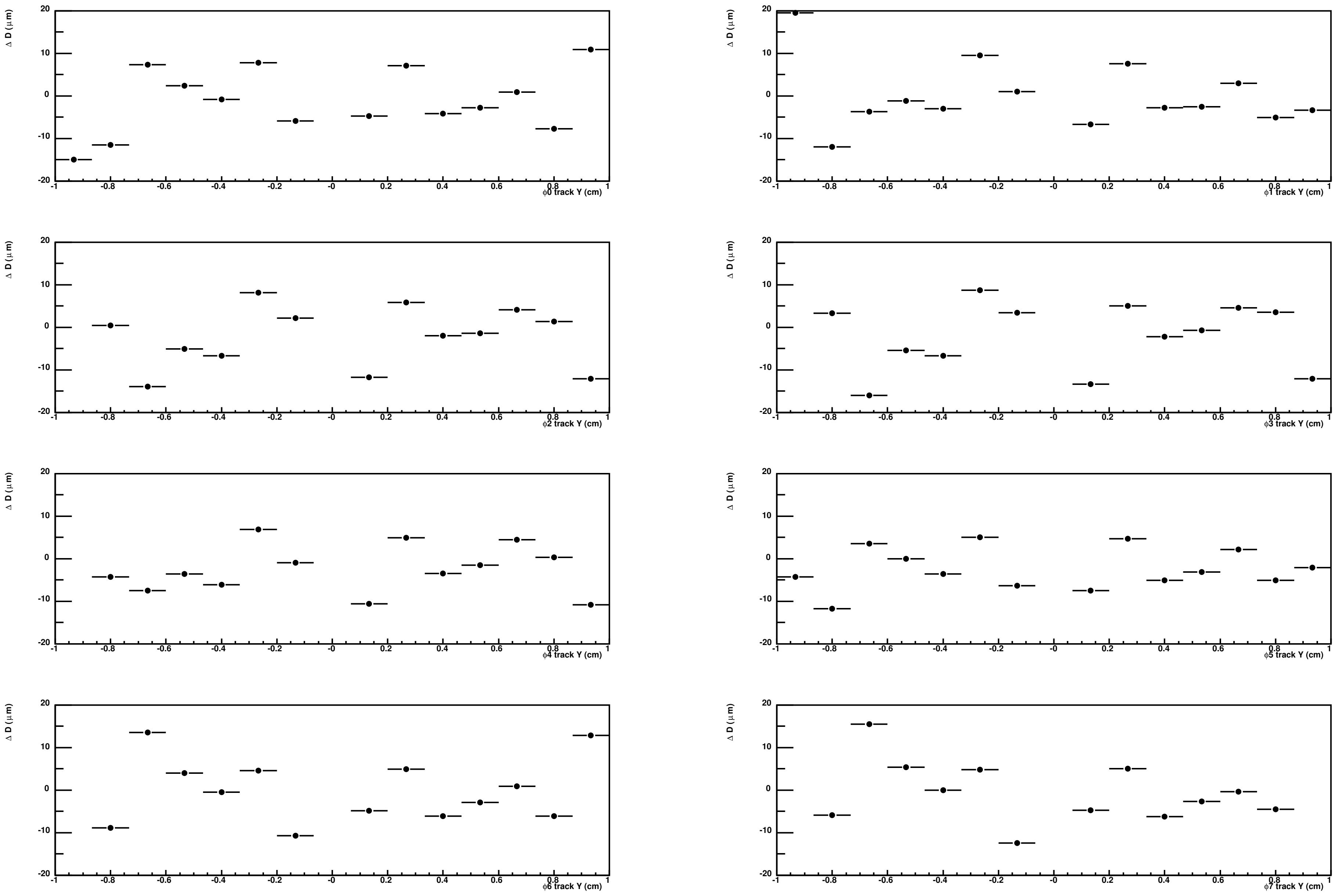


Δ D (μm)
100
80
60
40
20
0
-20
-40
-60
-80
-100
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

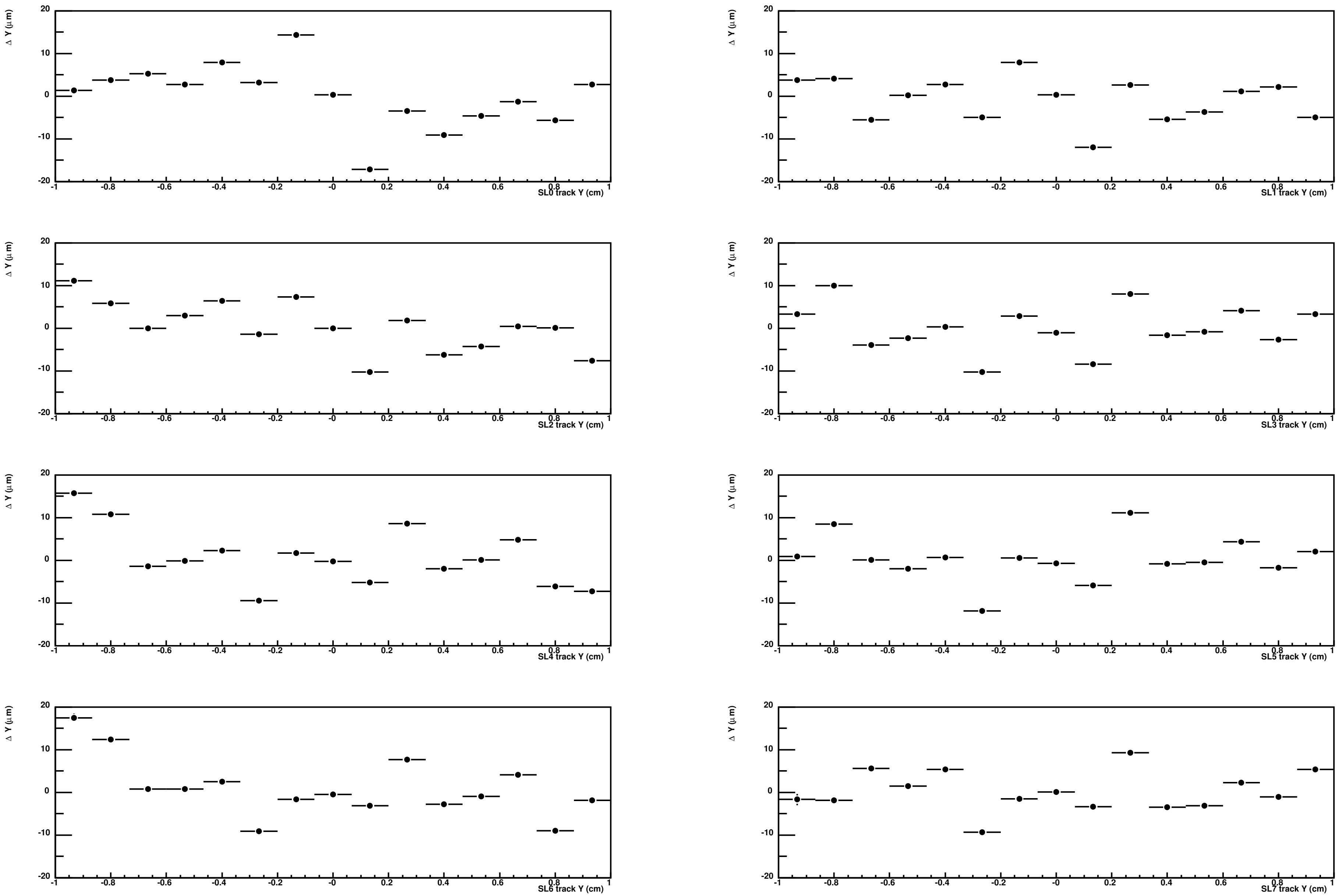


Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL0 hit D (cm)
SL1 hit D (cm)
SL2 hit D (cm)
SL3 hit D (cm)
SL4 hit D (cm)
SL5 hit D (cm)
SL6 hit D (cm)
SL7 hit D (cm)

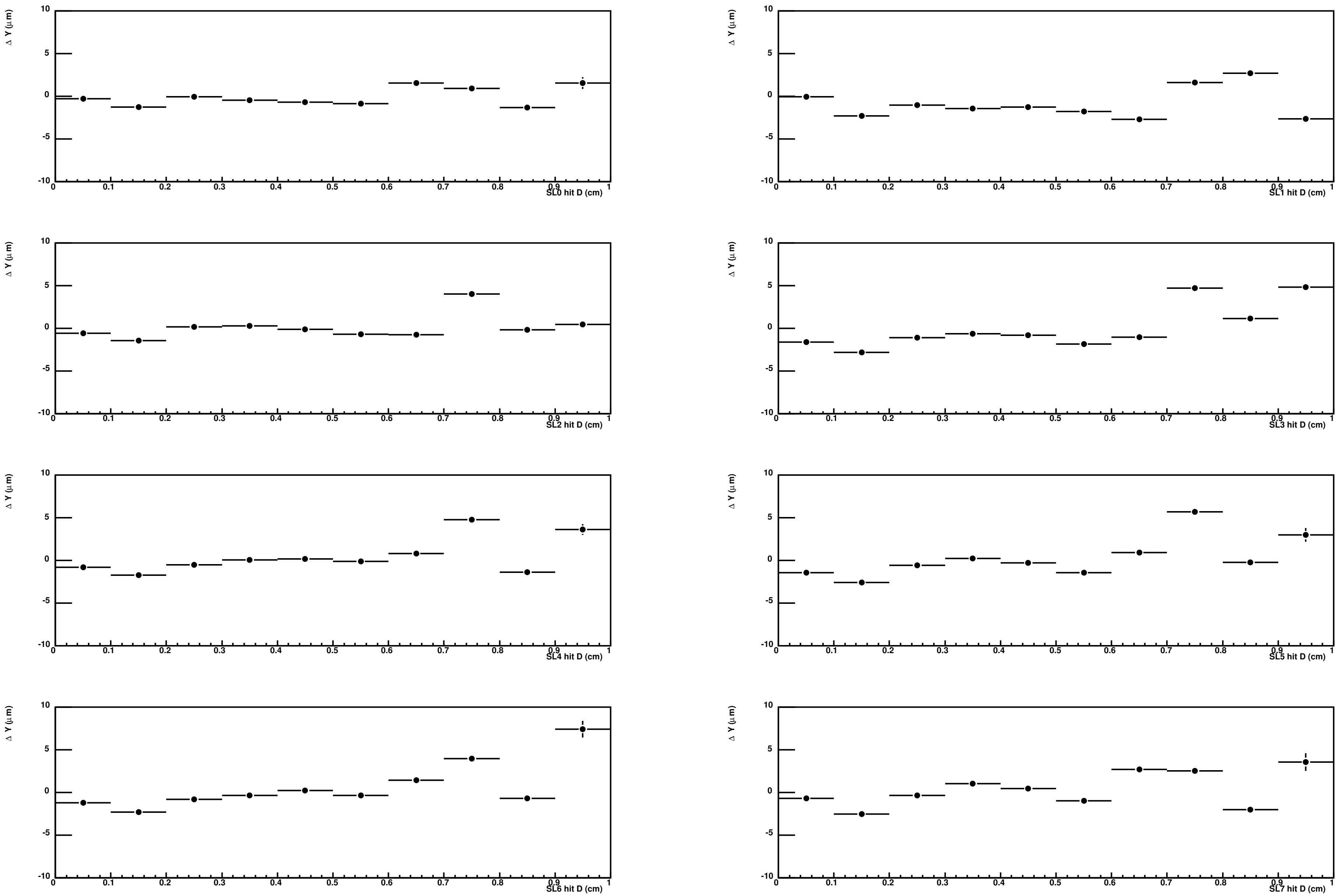

Δ D (μm)
50
0
-50
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
SL0 track Y (cm)
SL1 track Y (cm)
SL2 track Y (cm)
SL3 track Y (cm)
SL4 track Y (cm)
SL5 track Y (cm)
SL6 track Y (cm)
SL7 track Y (cm)



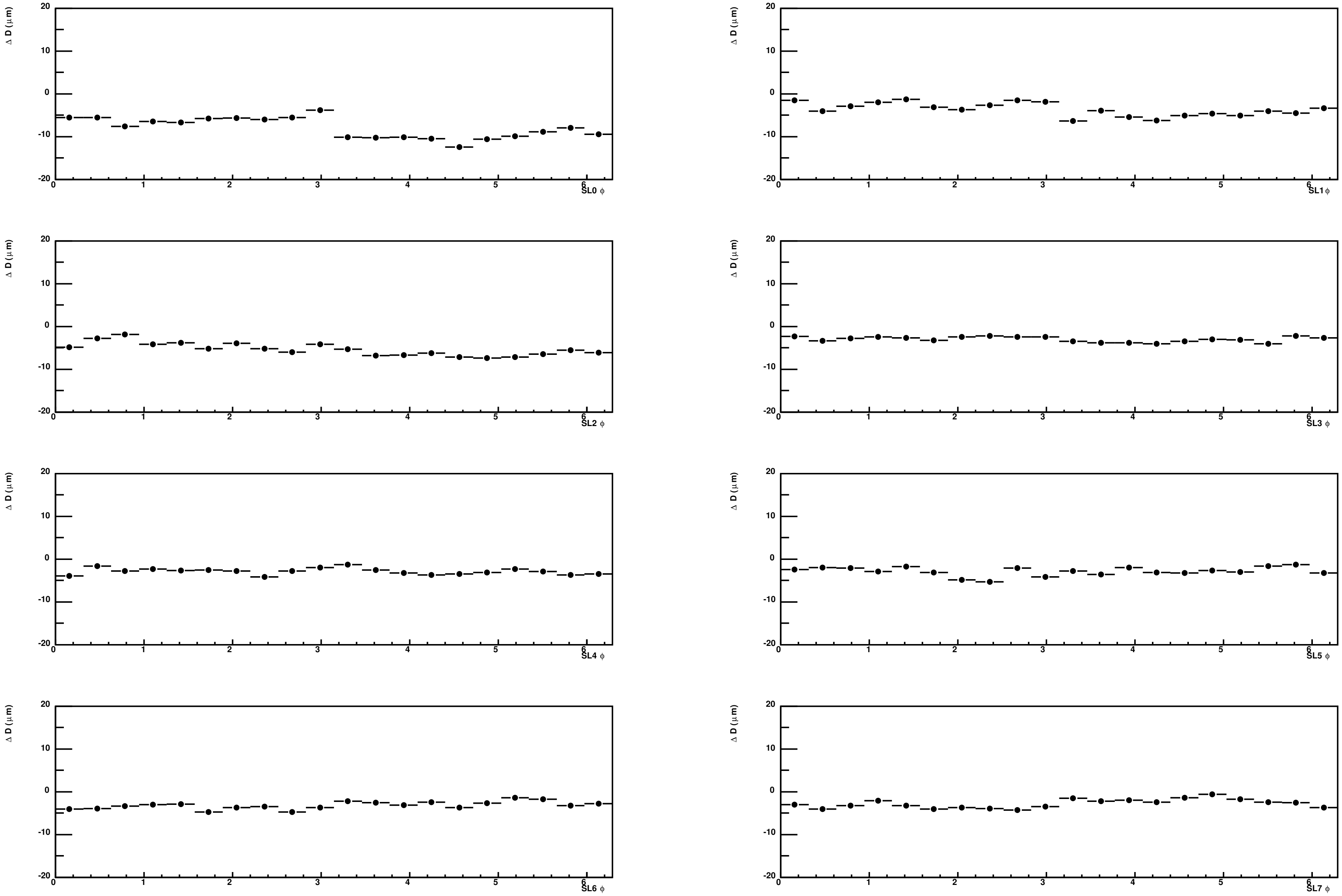
Δ D (μm)
φ0 track Y (cm)
φ1 track Y (cm)
φ2 track Y (cm)
φ3 track Y (cm)
φ4 track Y (cm)
φ5 track Y (cm)
φ6 track Y (cm)
φ7 track Y (cm)

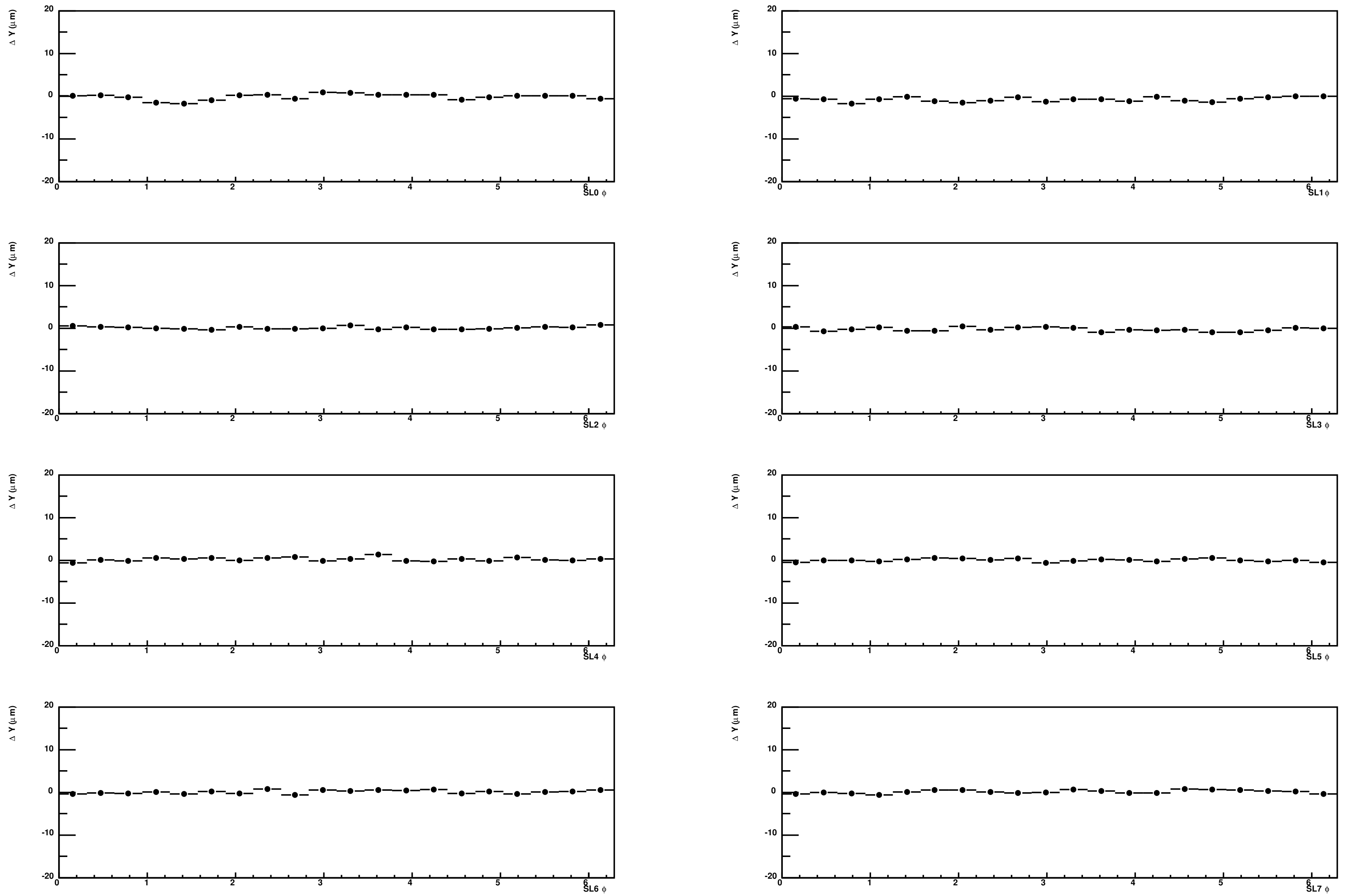


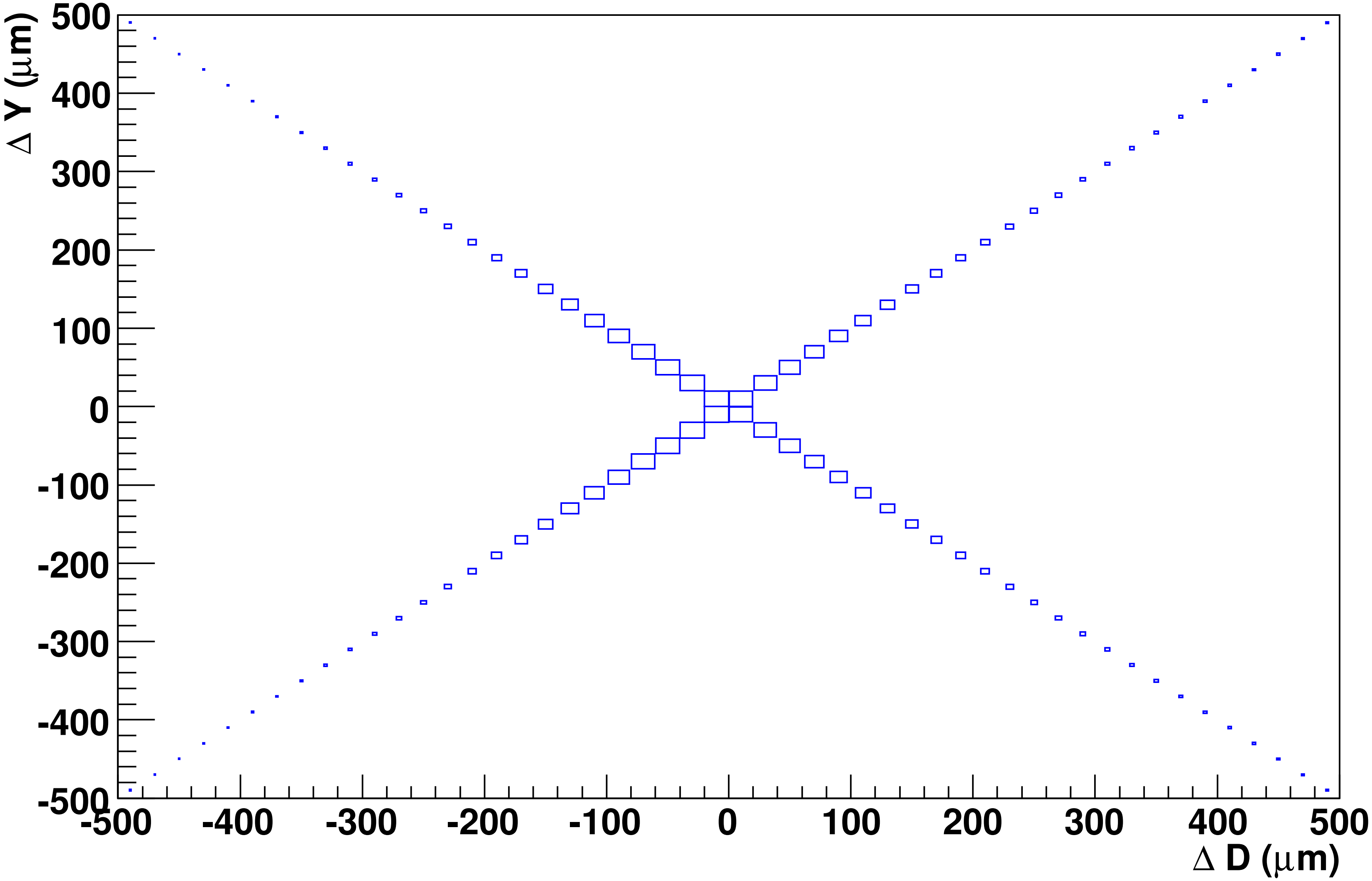
Δ Y (μ m)
SL0 track Y (cm)
SL1 track Y (cm)
SL2 track Y (cm)
SL3 track Y (cm)
SL4 track Y (cm)
SL5 track Y (cm)
SL6 track Y (cm)
SL7 track Y (cm)



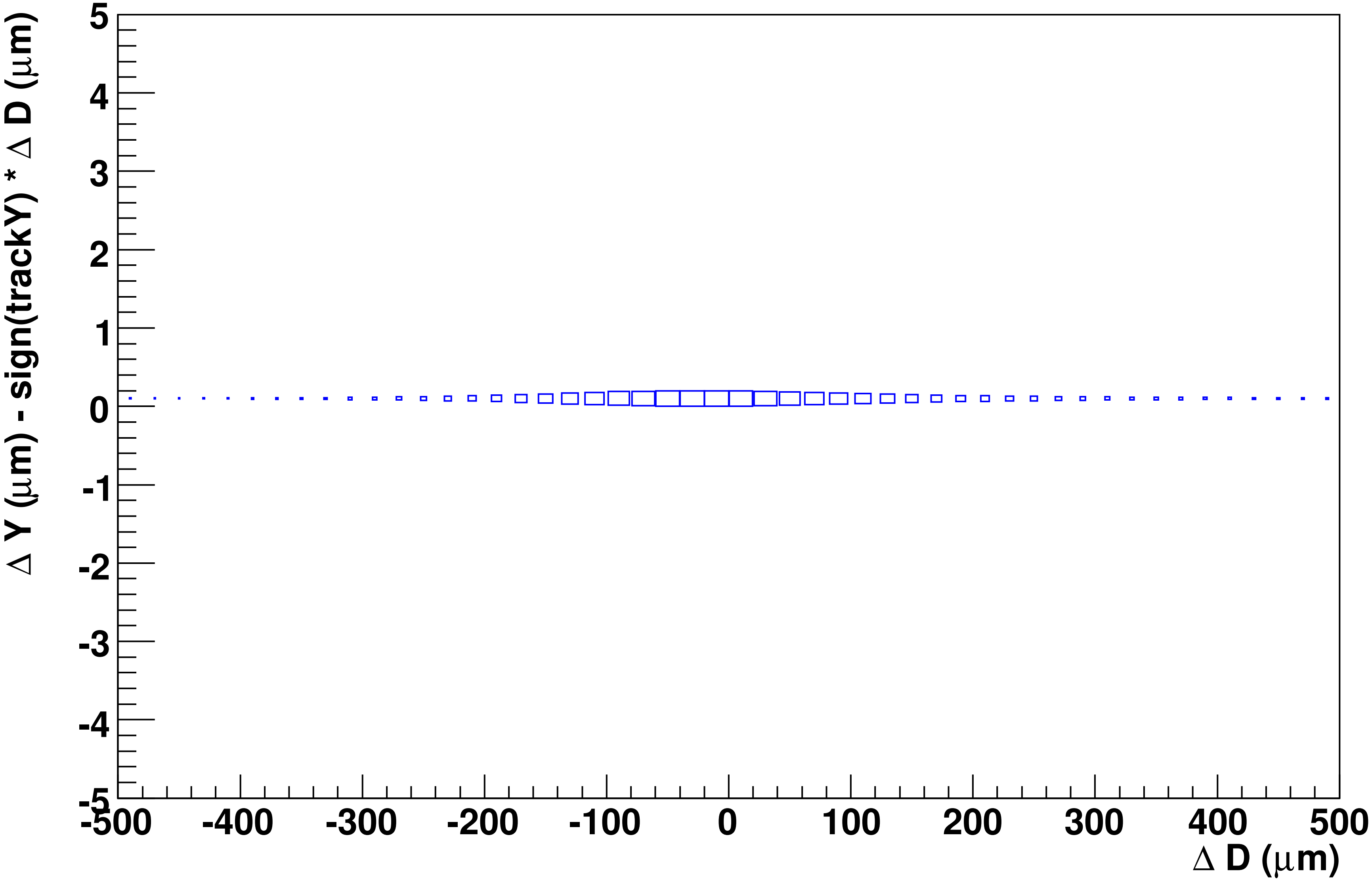
Δ Y (μ m)
SL0 hit D (cm)
SL1 hit D (cm)
SL2 hit D (cm)
SL3 hit D (cm)
SL4 hit D (cm)
SL5 hit D (cm)
SL6 hit D (cm)
SL7 hit D (cm)


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

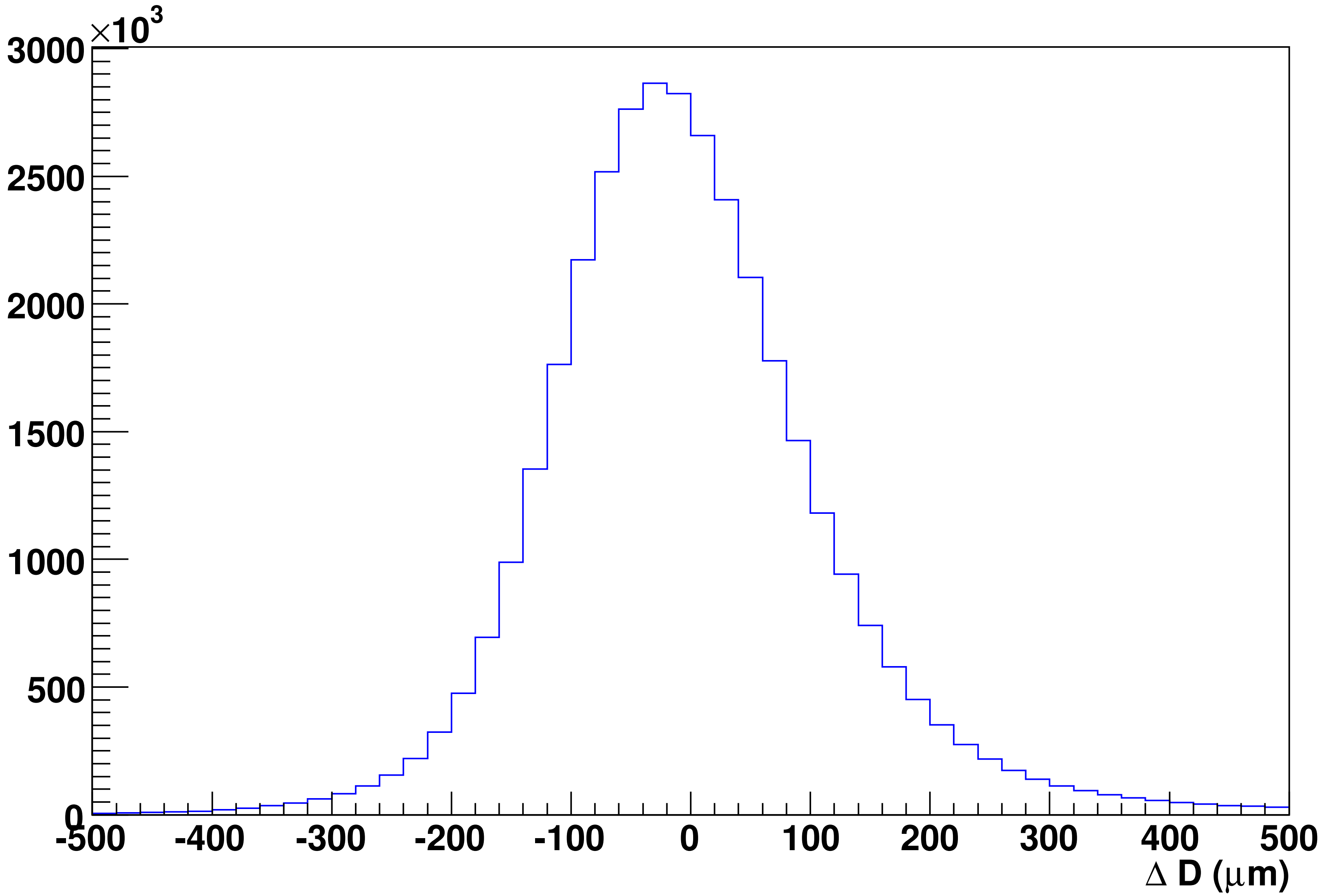

Δ Y (μ m)
SL0 ϕ
SL1 ϕ
SL2 ϕ
SL3 ϕ
SL4 ϕ
SL5 ϕ
SL6 ϕ
SL7 ϕ



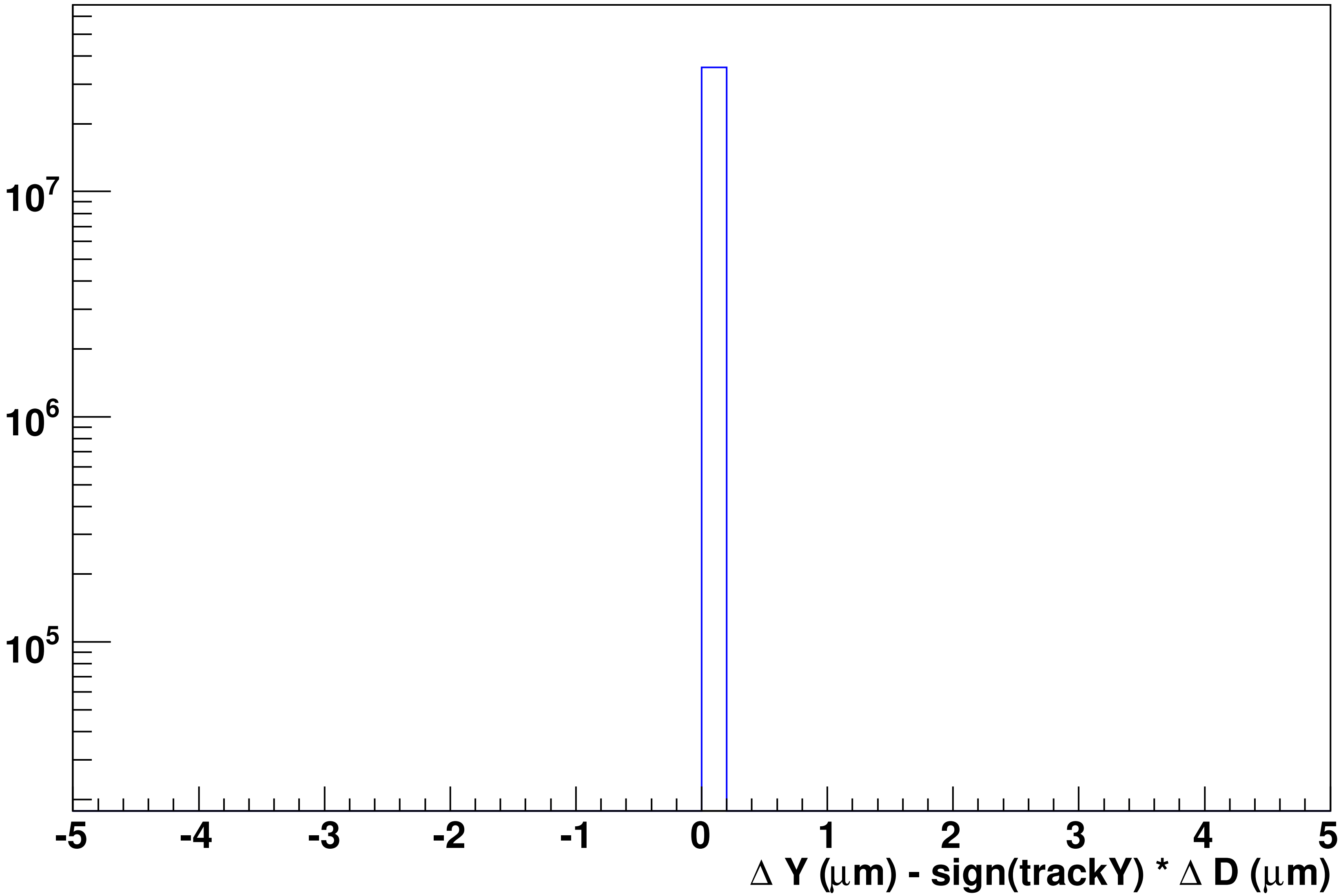
Δ Y (μm)
500
400
300
200
100
0
-100
-200
-300
-400
-500
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



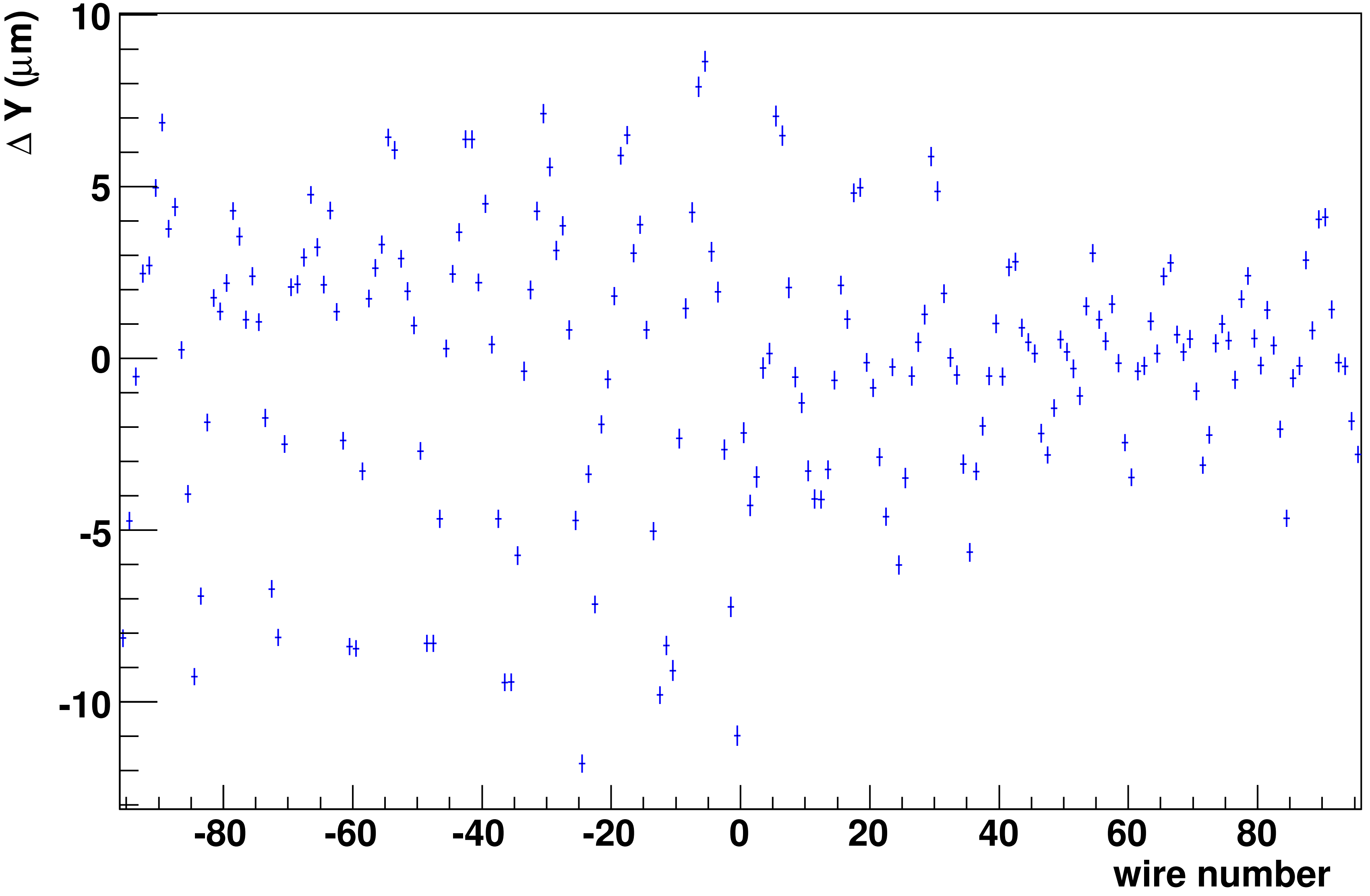
Δ Y (μm) - sign(trackY) * Δ D (μm)
5
4
3
2
1
0
-1
-2
-3
-4
-5
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



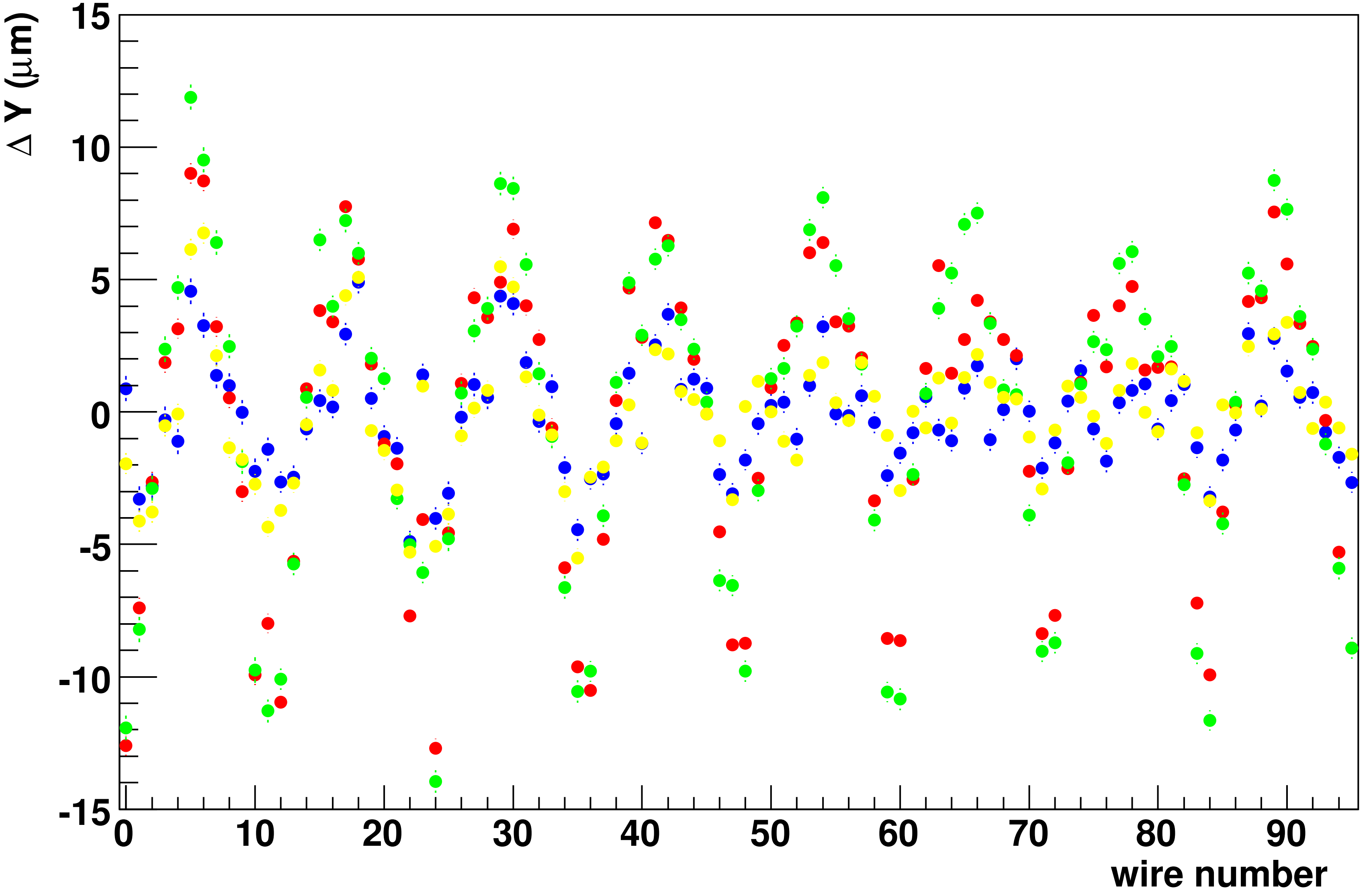
×10^3
3000
2500
2000
1500
1000
500
0
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)

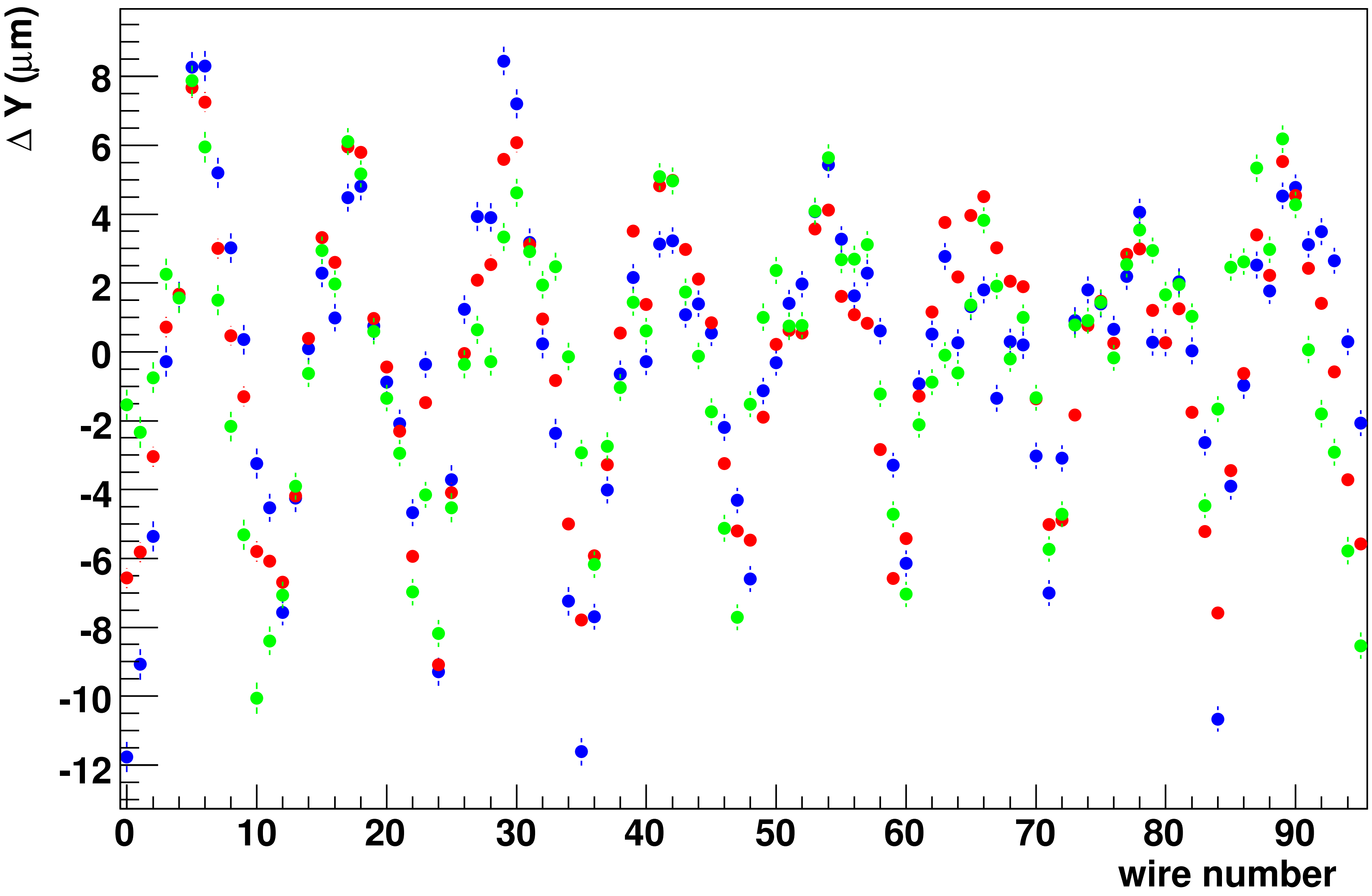


10^7
10^6
10^5
-5 -4 -3 -2 -1 0 1 2 3 4 5
Δ Y (μm) - sign(trackY) * Δ D (μm)

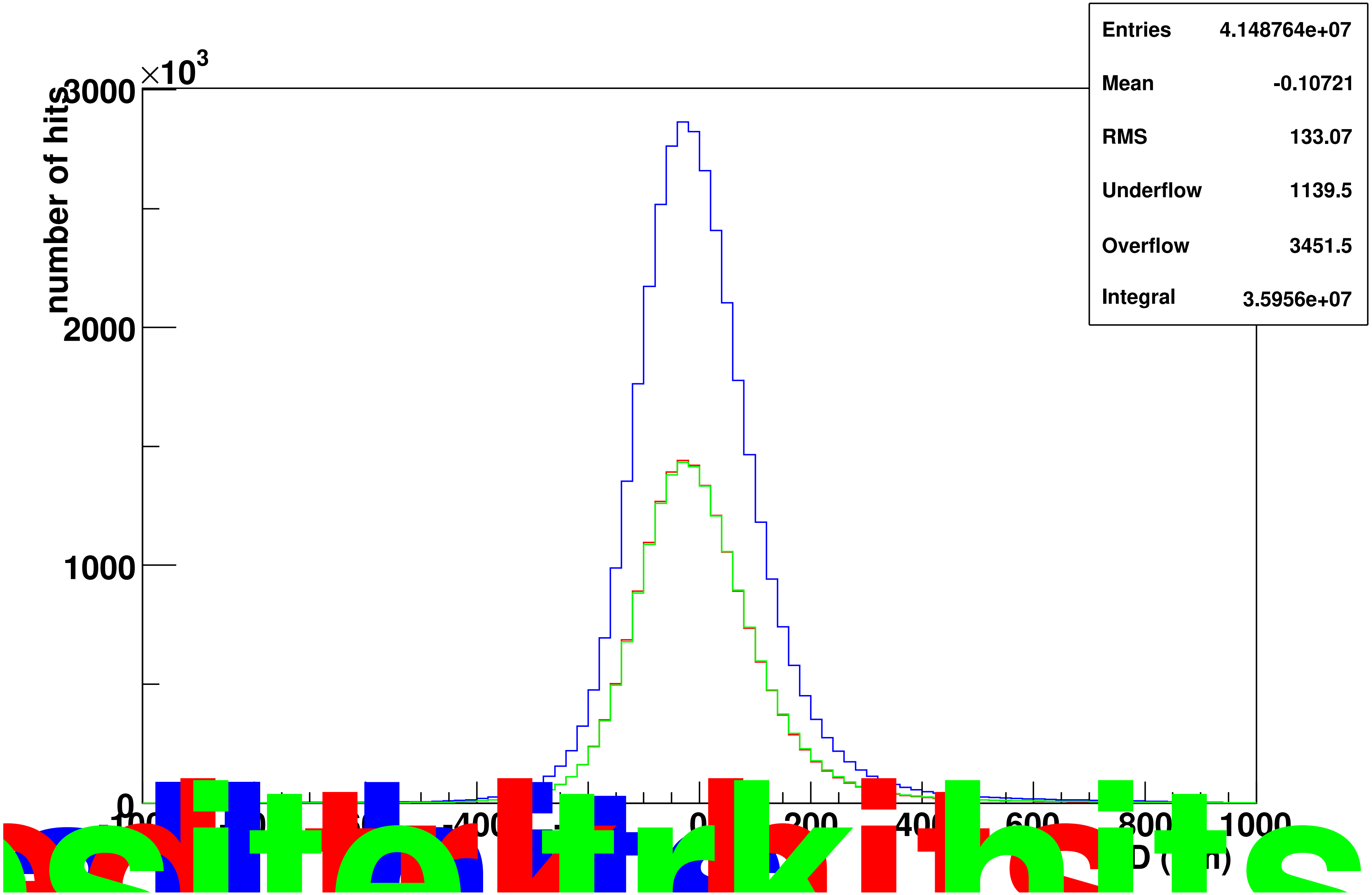


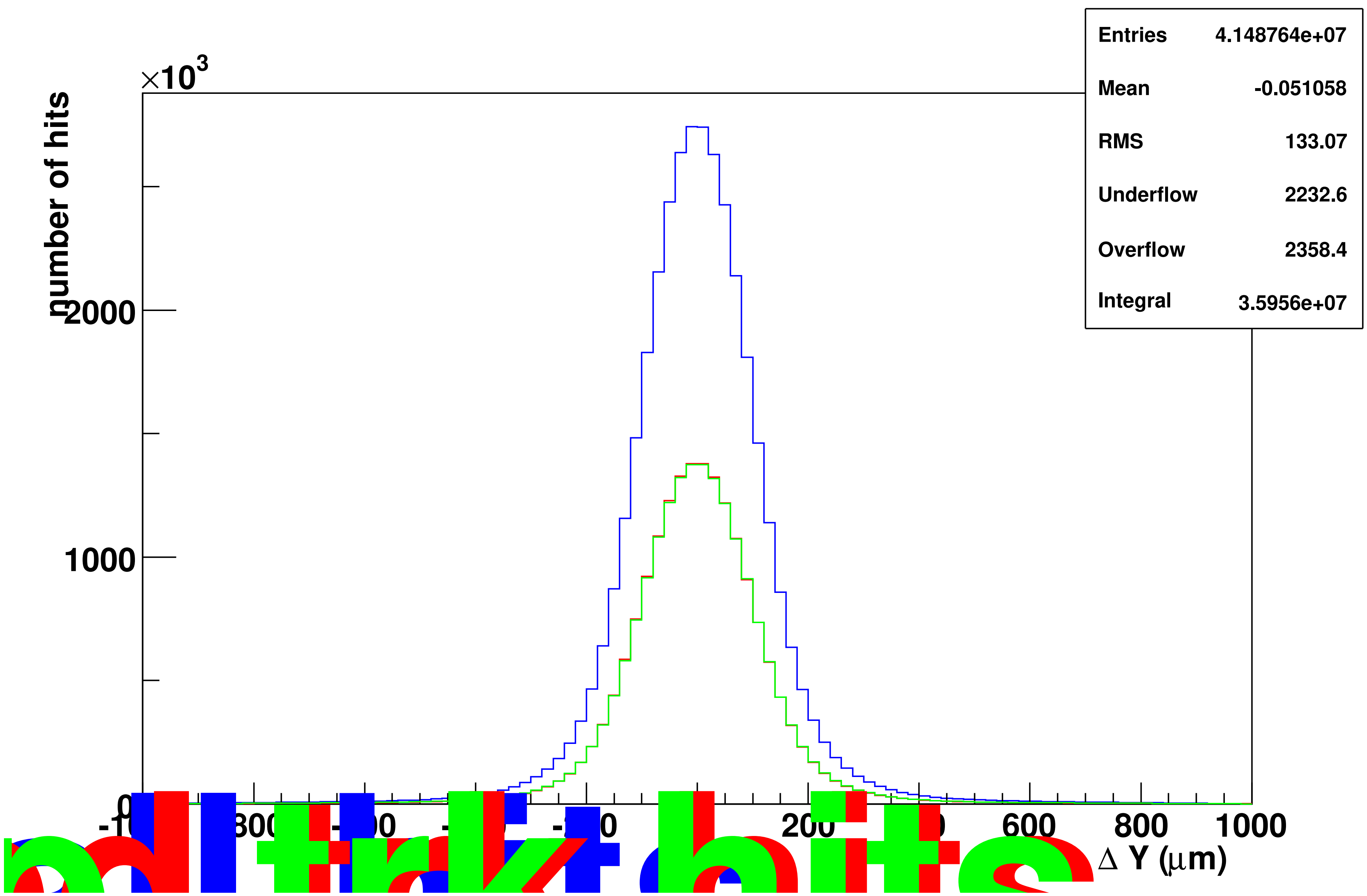
Δ Y (μm)
10
5
0
-5
-10
-80
-60
-40
-20
0
20
40
60
80
wire number


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

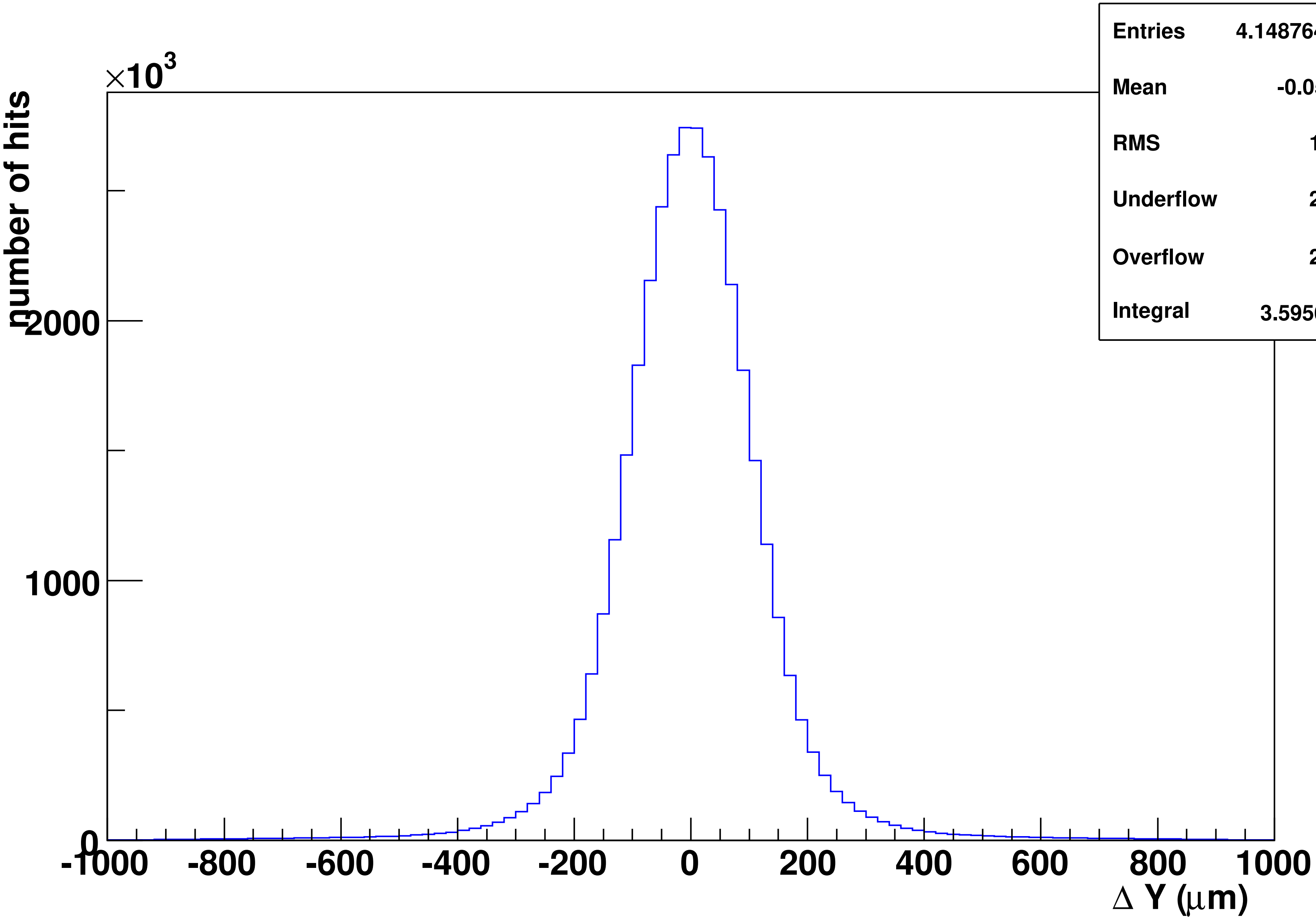


Δ Y (μm)
8
6
4
2
0
-2
-4
-6
-8
-10
-12
0
10
20
30
40
50
60
70
80
90
wire number


Entries 4.148764e+07
Mean -0.10721
RMS 133.07
Underflow 1139.5
Overflow 3451.5
Integral 3.5956e+07
number of hits
×10^3
3000
2000
1000
0
-400
0
200
400
600
800
1000



Entries 4.148764e+07
Mean -0.051058
RMS 133.07
Underflow 2232.6
Overflow 2358.4
Integral 3.5956e+07
number of hits
×10^3
2000
1000
0
200
600
800
1000
Δ Y (μm)



Entries 4.148764e+07
Mean -0.051058
RMS 133.07
Underflow 2232.6
Overflow 2358.4
Integral 3.5956e+07
×10³
number of hits
2000
1000
0
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
Δ Y (μm)