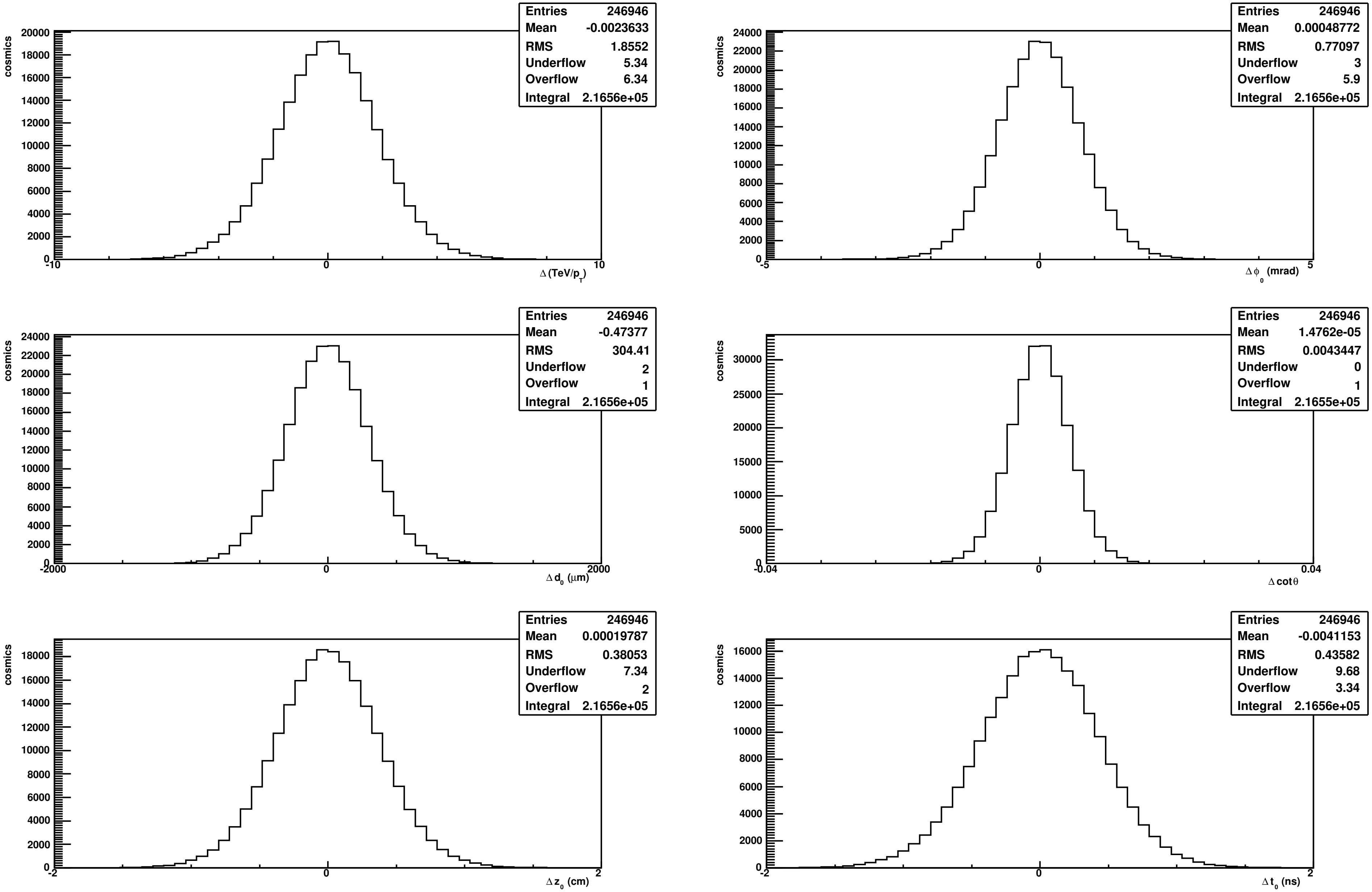
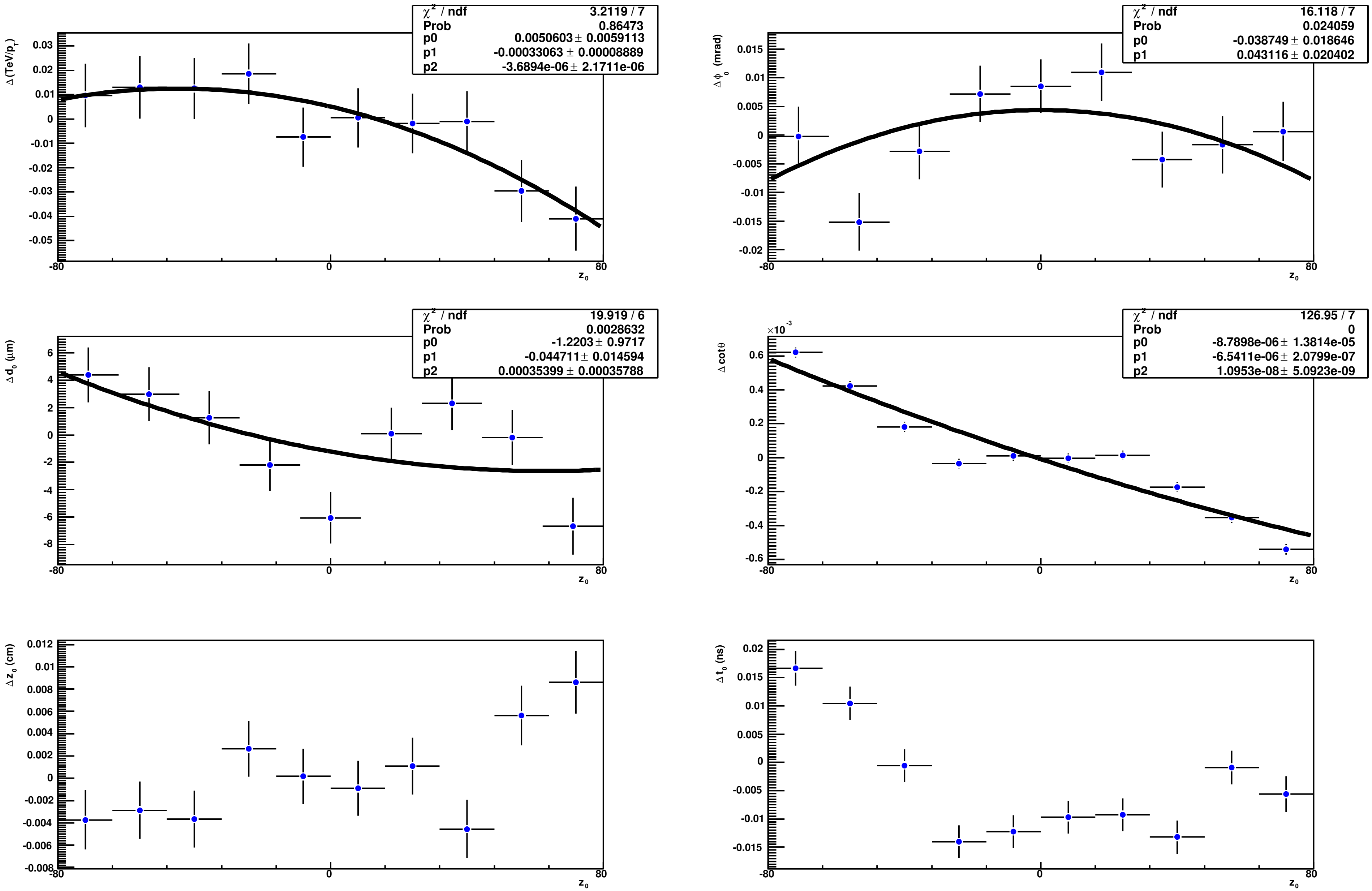
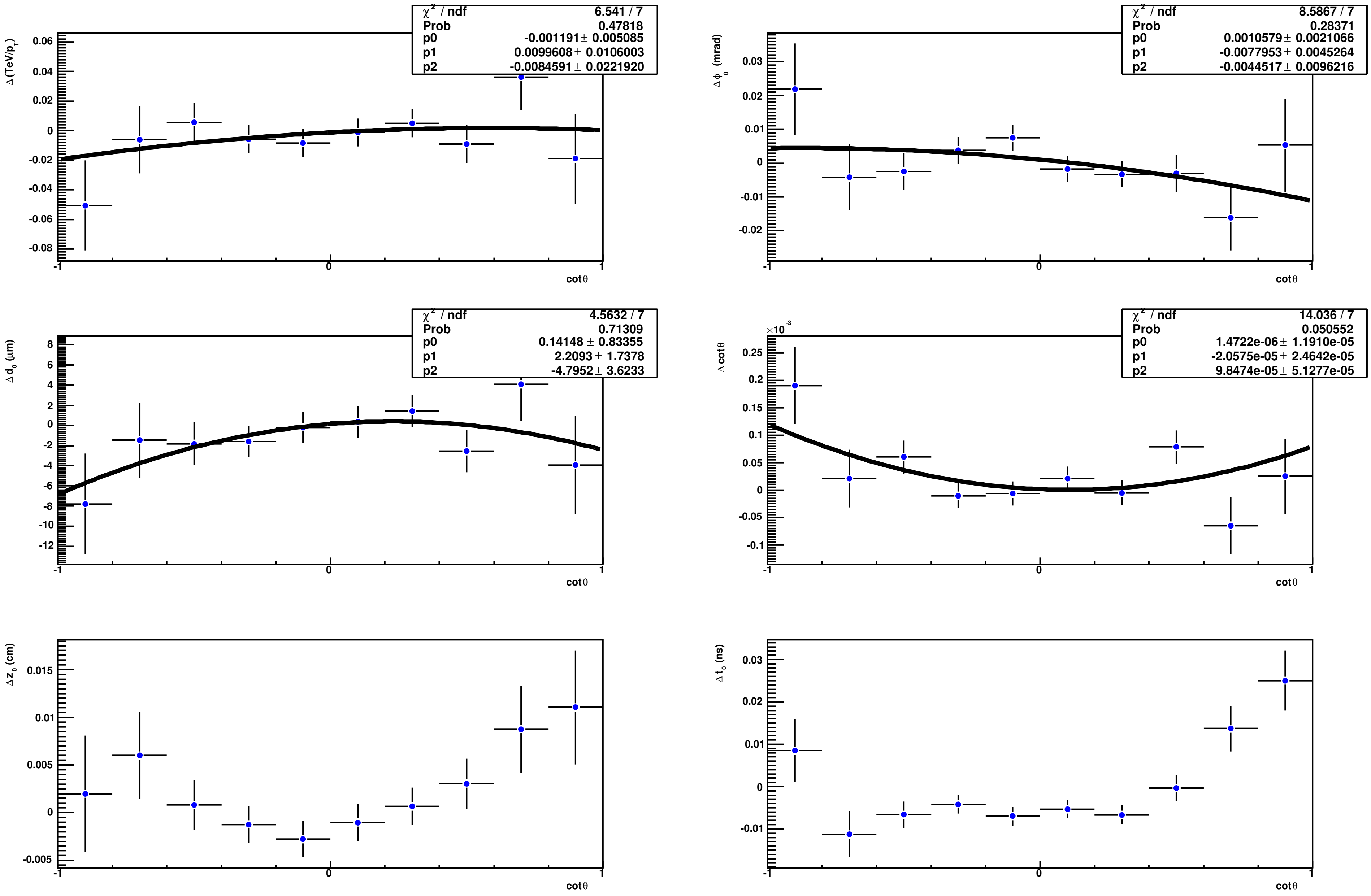


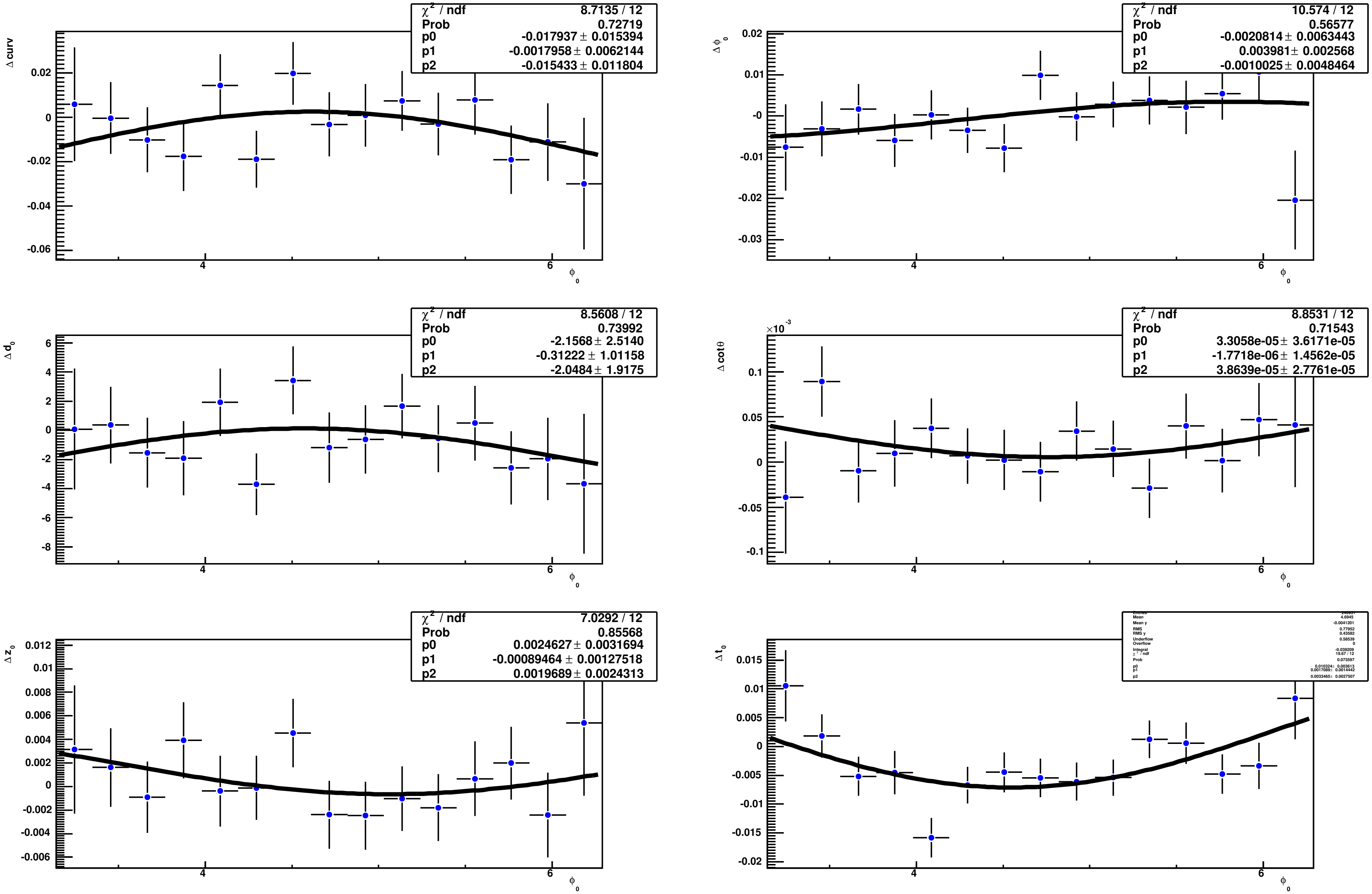
Entries 246946
Mean -0.0023633
RMS 1.8552
Underflow 5.34
Overflow 6.34
Integral 2.1656e+05
cosmics
Δ(TeV/p_T)
Entries 246946
Mean 0.00048772
RMS 0.77097
Underflow 3
Overflow 5.9
Integral 2.1656e+05
cosmics
Δϕ_0 (mrad)
Entries 246946
Mean -0.47377
RMS 304.41
Underflow 2
Overflow 1
Integral 2.1656e+05
cosmics
Δd_0 (μm)
Entries 246946
Mean 1.4762e-05
RMS 0.0043447
Underflow 0
Overflow 1
Integral 2.1655e+05
cosmics
Δcotθ
Entries 246946
Mean 0.00019787
RMS 0.38053
Underflow 7.34
Overflow 2
Integral 2.1656e+05
cosmics
Δz_0 (cm)
Entries 246946
Mean -0.0041153
RMS 0.43582
Underflow 9.68
Overflow 3.34
Integral 2.1656e+05
cosmics
Δt_0 (ns)



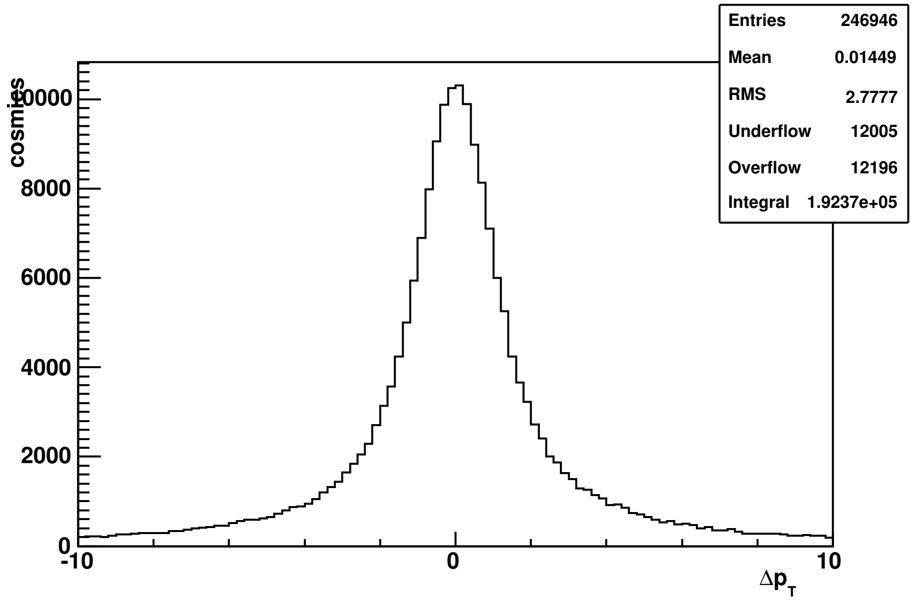
χ² / ndf 3.2119 / 7
Prob 0.86473
p0 0.0050603 ± 0.0059113
p1 -0.00033063 ± 0.00008889
p2 -3.6894e-06 ± 2.1711e-06
Δ(TeV/p_T)
z_0
χ² / ndf 16.118 / 7
Prob 0.024059
p0 -0.038749 ± 0.018646
p1 0.043116 ± 0.020402
Δ φ_0 (mrad)
z_0
χ² / ndf 19.919 / 6
Prob 0.0028632
p0 -1.2203 ± 0.9717
p1 -0.044711 ± 0.014594
p2 0.00035399 ± 0.00035788
Δ d_0 (μm)
z_0
χ² / ndf 126.95 / 7
Prob 0
p0 -8.7898e-06 ± 1.3814e-05
p1 -6.5411e-06 ± 2.0799e-07
p2 1.0953e-08 ± 5.0923e-09
×10^-3
Δ cotθ
z_0
Δ z_0 (cm)
z_0
Δ t_0 (ns)
z_0



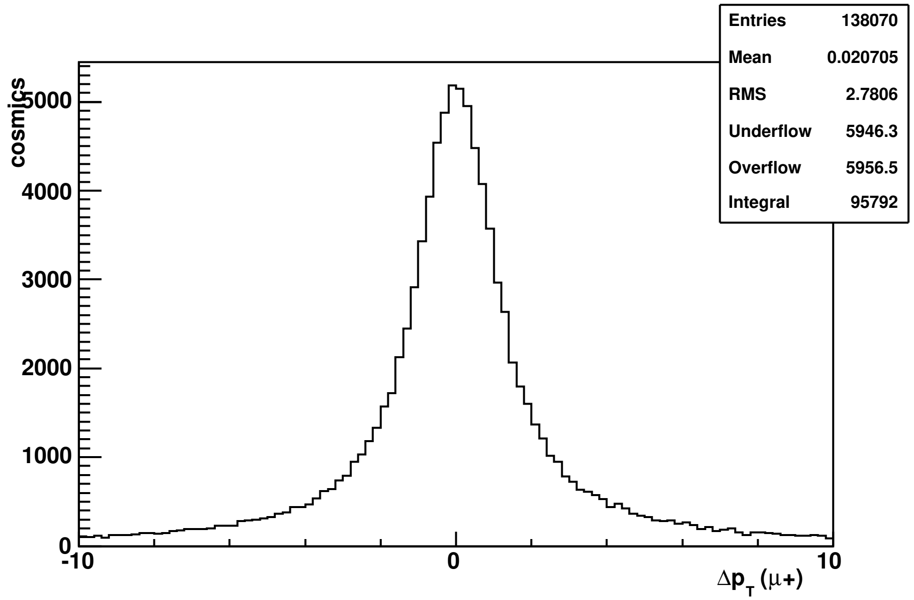
χ² / ndf 6.541 / 7
Prob 0.47818
p0 -0.001191 ± 0.005085
p1 0.0099608 ± 0.0106003
p2 -0.0084591 ± 0.0221920
Δ(TeV/p_T)
cotθ
χ² / ndf 8.5867 / 7
Prob 0.28371
p0 0.0010579 ± 0.0021066
p1 -0.0077953 ± 0.0045264
p2 -0.0044517 ± 0.0096216
Δφ_0 (mrad)
cotθ
χ² / ndf 4.5632 / 7
Prob 0.71309
p0 0.14148 ± 0.83355
p1 2.2093 ± 1.7378
p2 -4.7952 ± 3.6233
Δd_0 (μm)
cotθ
χ² / ndf 14.036 / 7
Prob 0.050552
p0 1.4722e-06 ± 1.1910e-05
p1 -2.0575e-05 ± 2.4642e-05
p2 9.8474e-05 ± 5.1277e-05
×10⁻³
Δcotθ
cotθ
Δz_0 (cm)
cotθ
Δt_0 (ns)
cotθ



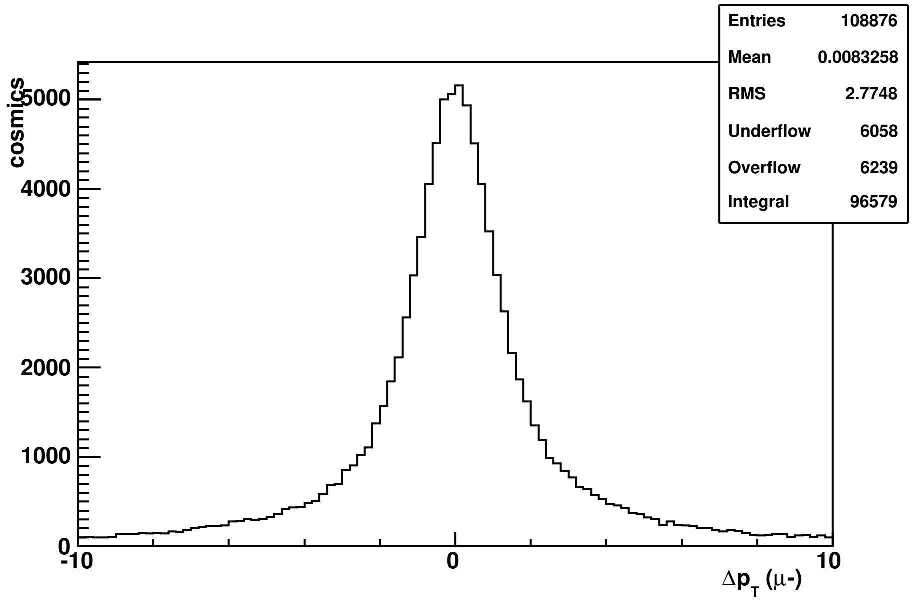
χ² / ndf 8.7135 / 12
Prob 0.72719
p0 -0.017937 ± 0.015394
p1 -0.0017958 ± 0.0062144
p2 -0.015433 ± 0.011804
Δ curv
ϕ0
χ² / ndf 10.574 / 12
Prob 0.56577
p0 -0.0020814 ± 0.0063443
p1 0.003981 ± 0.002568
p2 -0.0010025 ± 0.0048464
Δ ϕ0
ϕ0
χ² / ndf 8.5608 / 12
Prob 0.73992
p0 -2.1568 ± 2.5140
p1 -0.31222 ± 1.01158
p2 -2.0484 ± 1.9175
Δ d0
ϕ0
χ² / ndf 8.8531 / 12
Prob 0.71543
p0 3.3058e-05 ± 3.6171e-05
p1 -1.7718e-06 ± 1.4562e-05
p2 3.8639e-05 ± 2.7761e-05
×10⁻³
Δ cotθ
ϕ0
χ² / ndf 7.0292 / 12
Prob 0.85568
p0 0.0024627 ± 0.0031694
p1 -0.00089464 ± 0.00127518
p2 0.0019689 ± 0.0024313
Δ z0
ϕ0
Δ t0
ϕ0



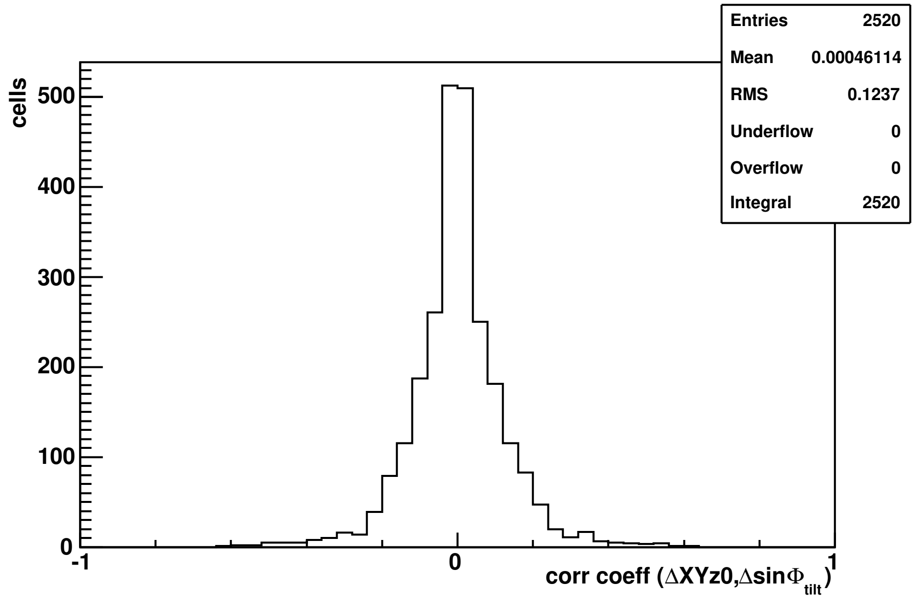
Entries 246946
Mean 0.01449
RMS 2.7777
Underflow 12005
Overflow 12196
Integral 1.9237e+05
cosmics
Δp_T
-10
0
10
0
2000
4000
6000
8000
10000



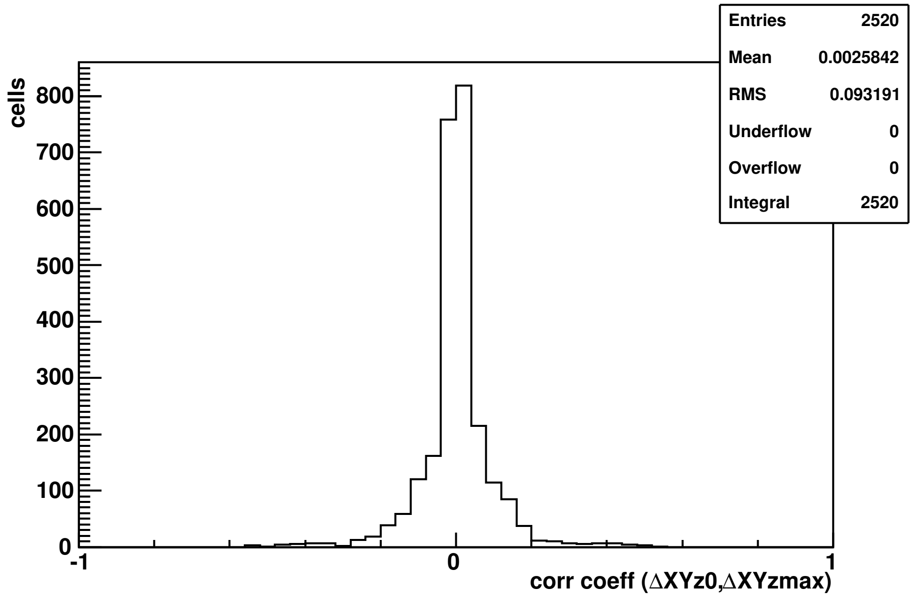
Entries 138070
Mean 0.020705
RMS 2.7806
Underflow 5946.3
Overflow 5956.5
Integral 95792
cosmics
Δp_T (μ+)
-10
0
10
0
1000
2000
3000
4000
5000



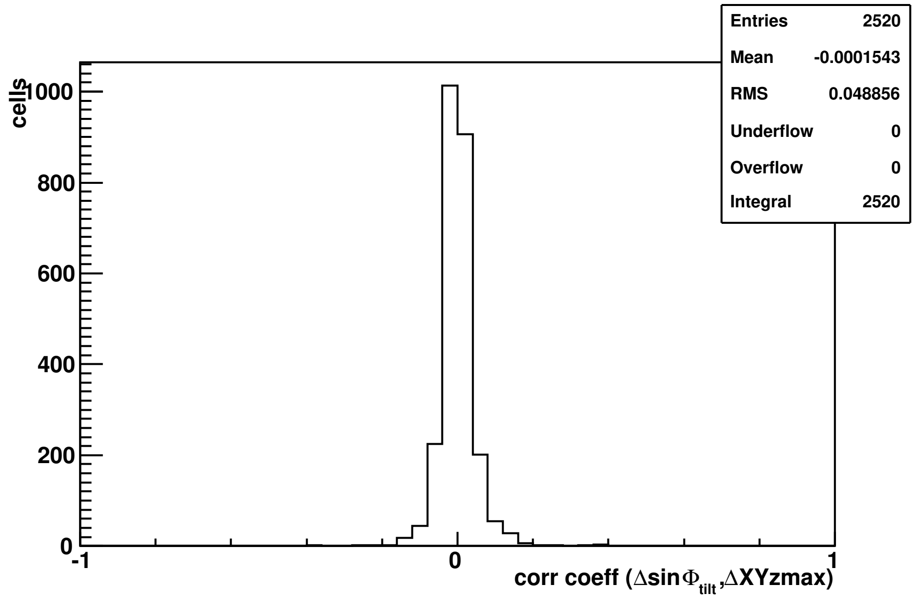
Entries 108876
Mean 0.0083258
RMS 2.7748
Underflow 6058
Overflow 6239
Integral 96579
cosmics
Δp_T (μ-)
-10
0
10
0
1000
2000
3000
4000
5000



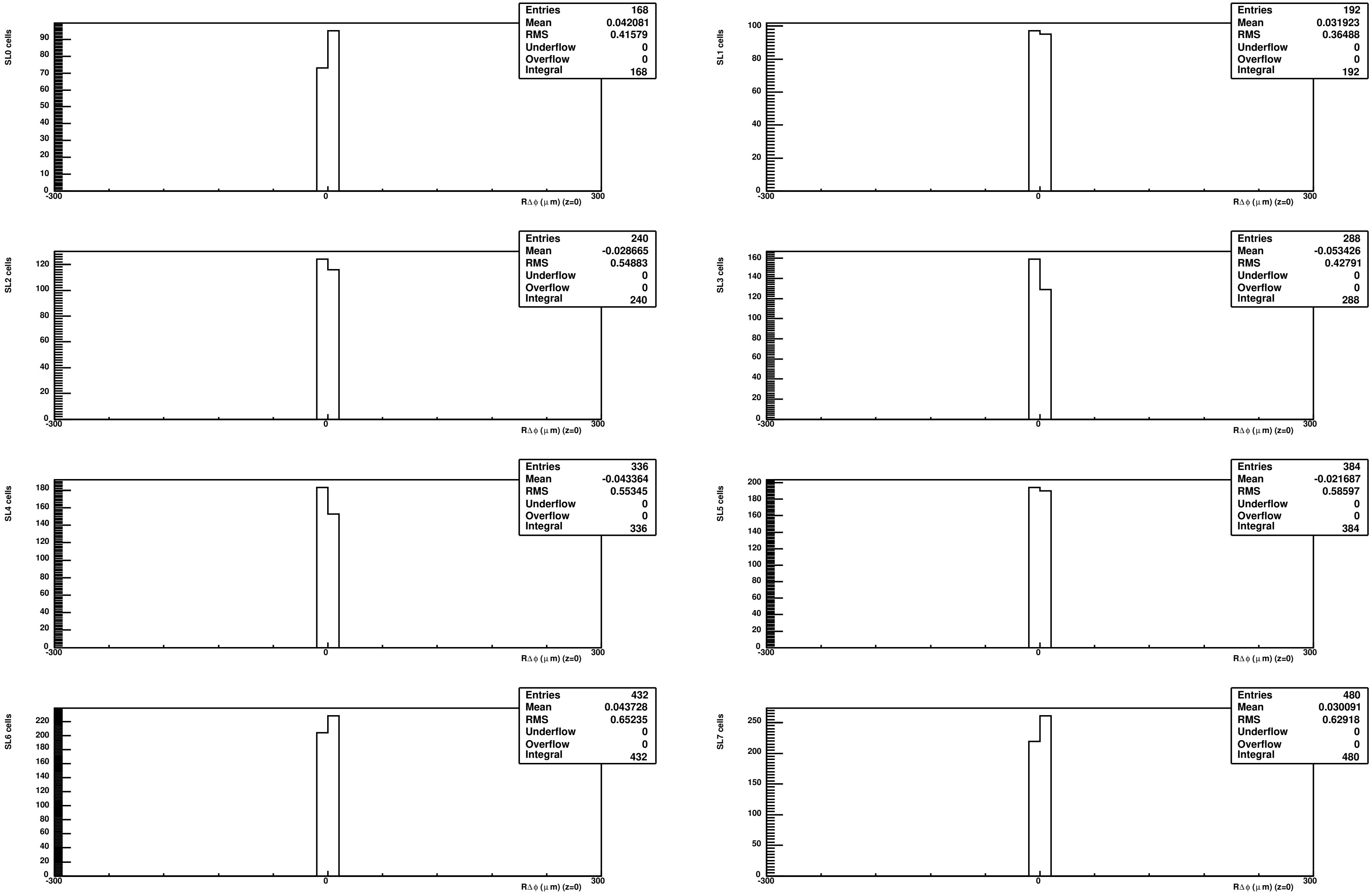
Entries 2520
Mean 0.00046114
RMS 0.1237
Underflow 0
Overflow 0
Integral 2520
cells
0
100
200
300
400
500
-1
0
1
corr coeff (ΔXYz0,ΔsinΦ$_{tilt}$)

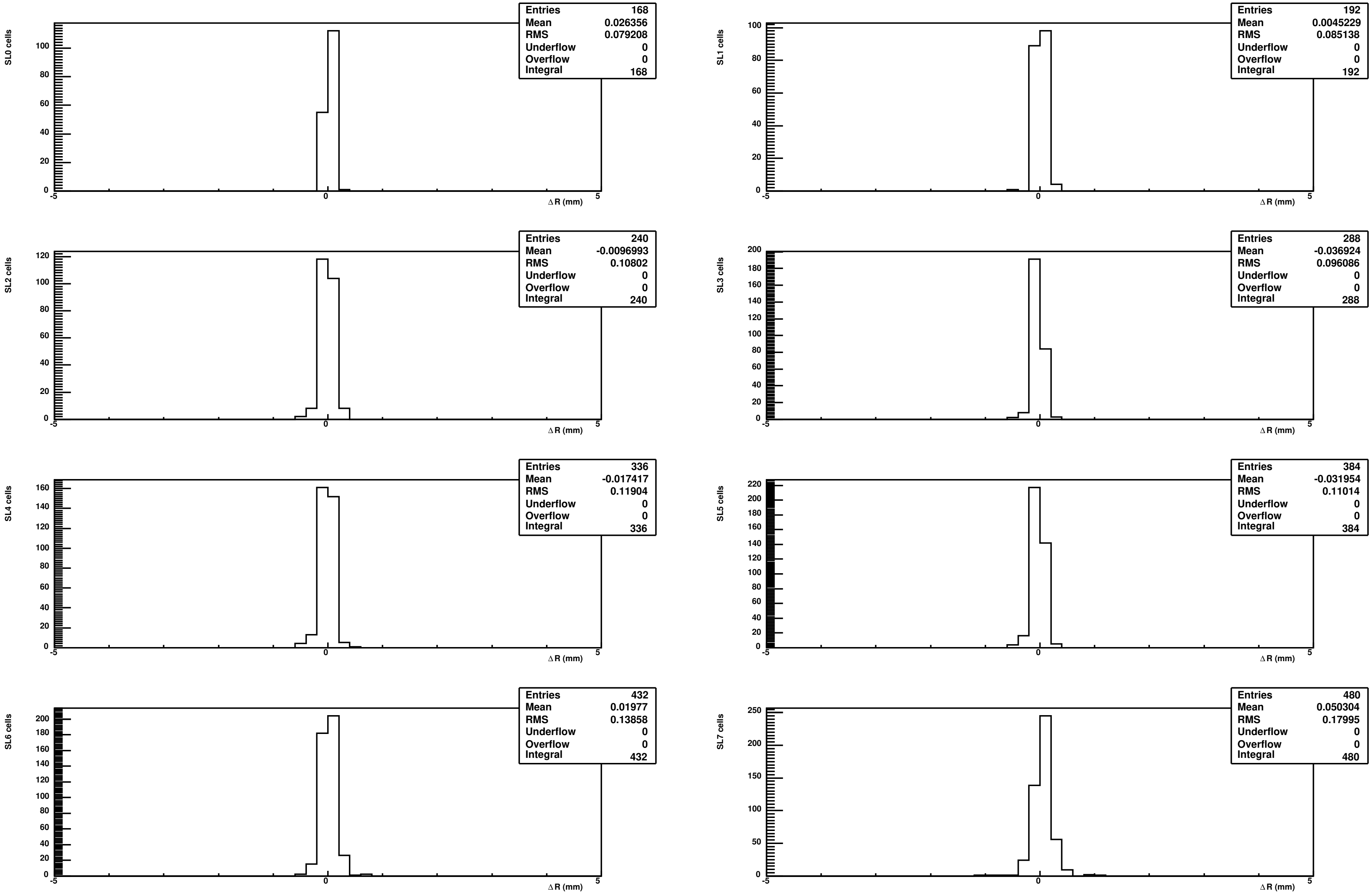


Entries 2520
Mean 0.0025842
RMS 0.093191
Underflow 0
Overflow 0
Integral 2520
cells
0
100
200
300
400
500
600
700
800
-1
0
1
corr coeff (ΔXYz0,ΔXYzmax)

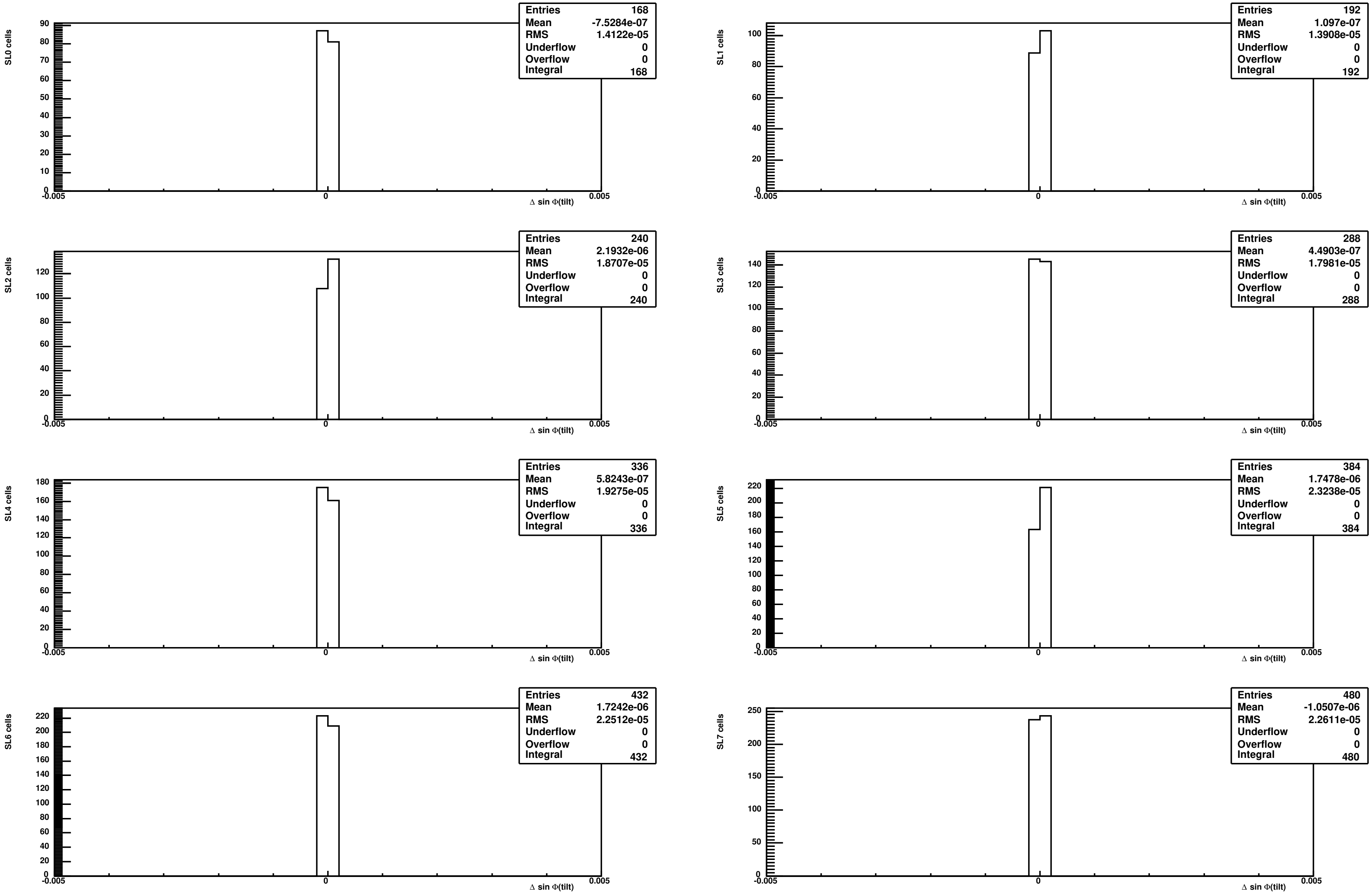


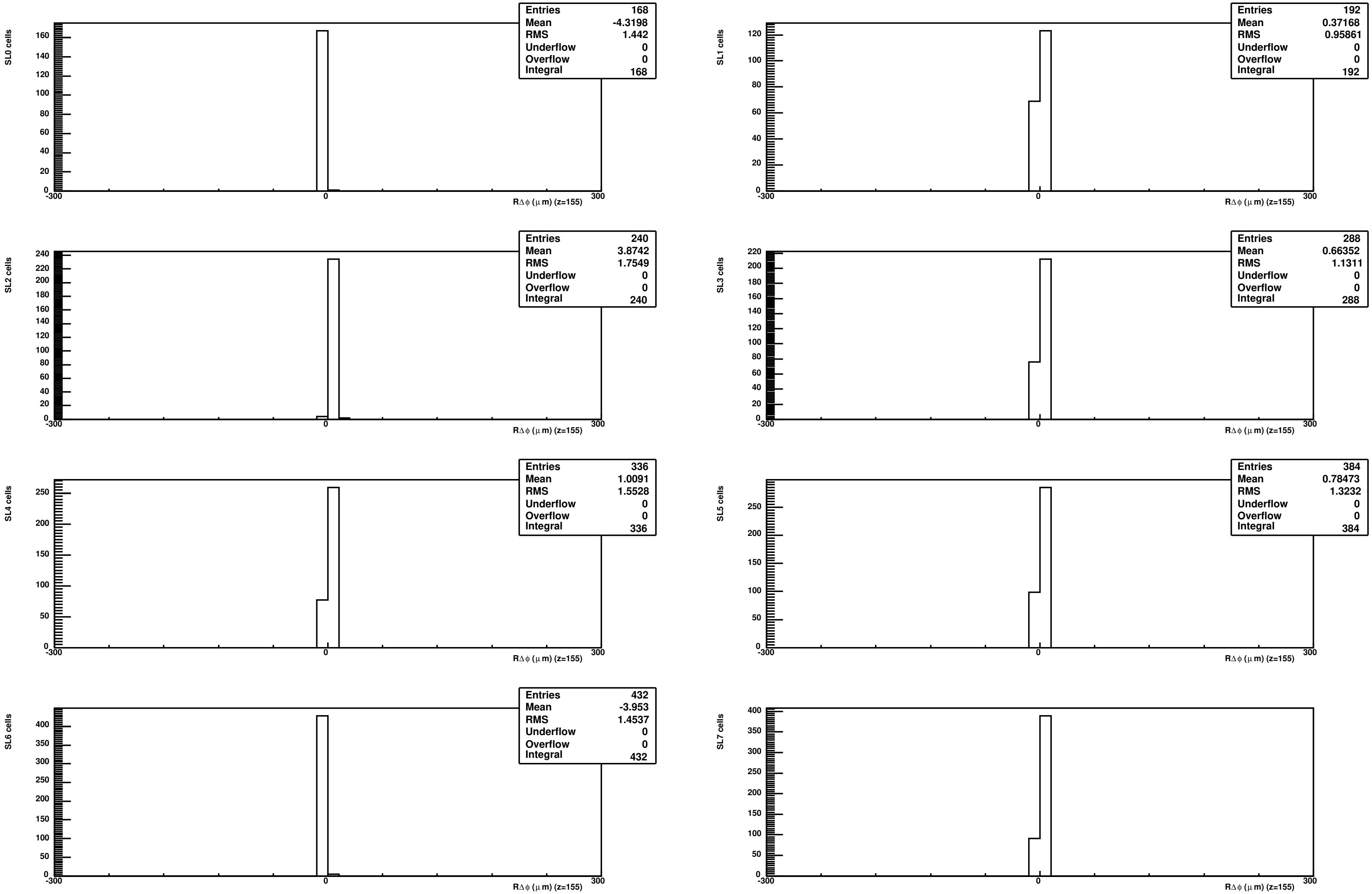
Entries 2520
Mean -0.0001543
RMS 0.048856
Underflow 0
Overflow 0
Integral 2520
cells
0
200
400
600
800
1000
-1
0
1
corr coeff (ΔsinΦ$_{tilt}$,ΔXYzmax)

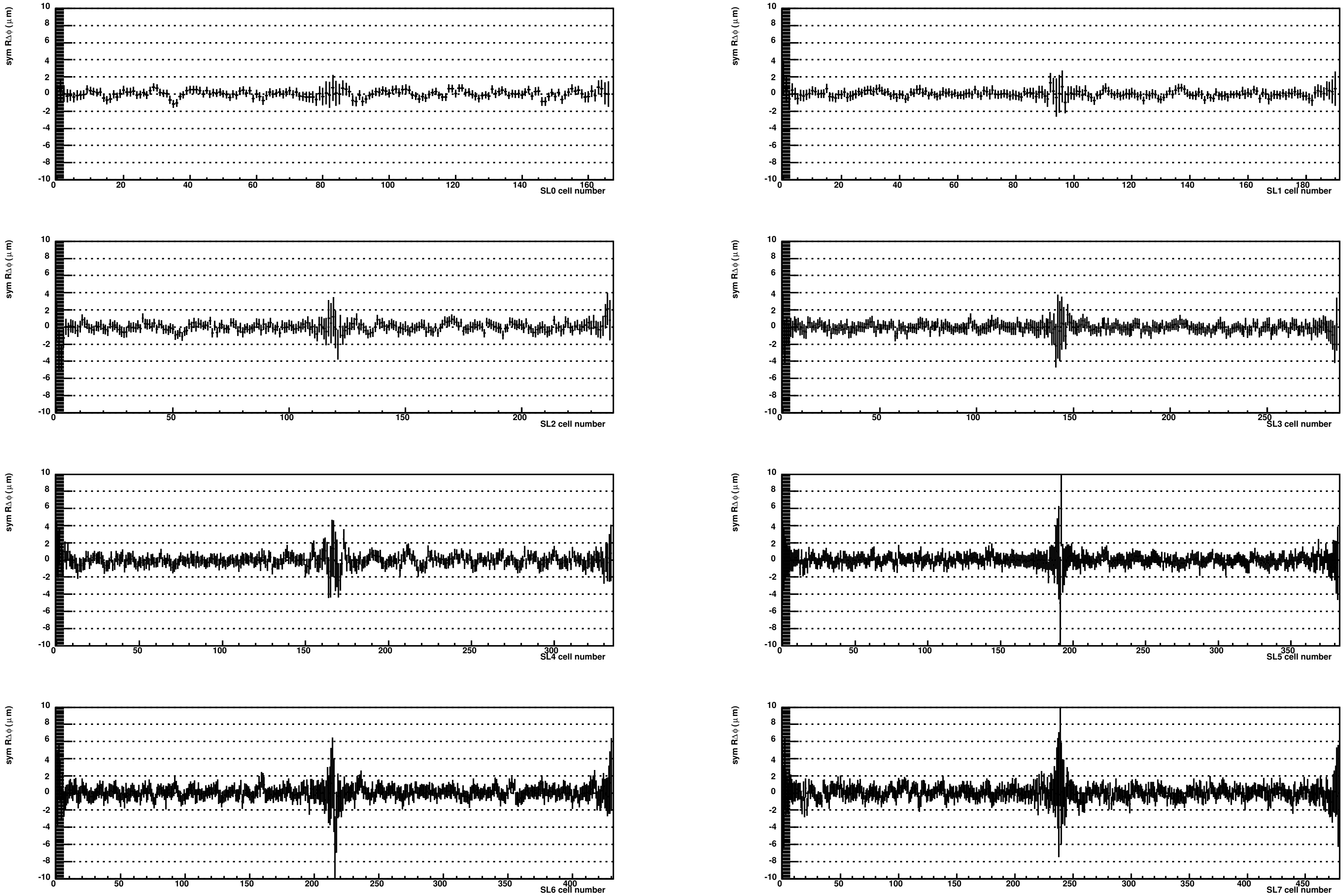

SL0 cells
Entries 168
Mean 0.042081
RMS 0.41579
Underflow 0
Overflow 0
Integral 168
SL1 cells
Entries 192
Mean 0.031923
RMS 0.36488
Underflow 0
Overflow 0
Integral 192
SL2 cells
Entries 240
Mean -0.028665
RMS 0.54883
Underflow 0
Overflow 0
Integral 240
SL3 cells
Entries 288
Mean -0.053426
RMS 0.42791
Underflow 0
Overflow 0
Integral 288
SL4 cells
Entries 336
Mean -0.043364
RMS 0.55345
Underflow 0
Overflow 0
Integral 336
SL5 cells
Entries 384
Mean -0.021687
RMS 0.58597
Underflow 0
Overflow 0
Integral 384
SL6 cells
Entries 432
Mean 0.043728
RMS 0.65235
Underflow 0
Overflow 0
Integral 432
SL7 cells
Entries 480
Mean 0.030091
RMS 0.62918
Underflow 0
Overflow 0
Integral 480
-300
0
300
RΔφ (μm) (z=0)

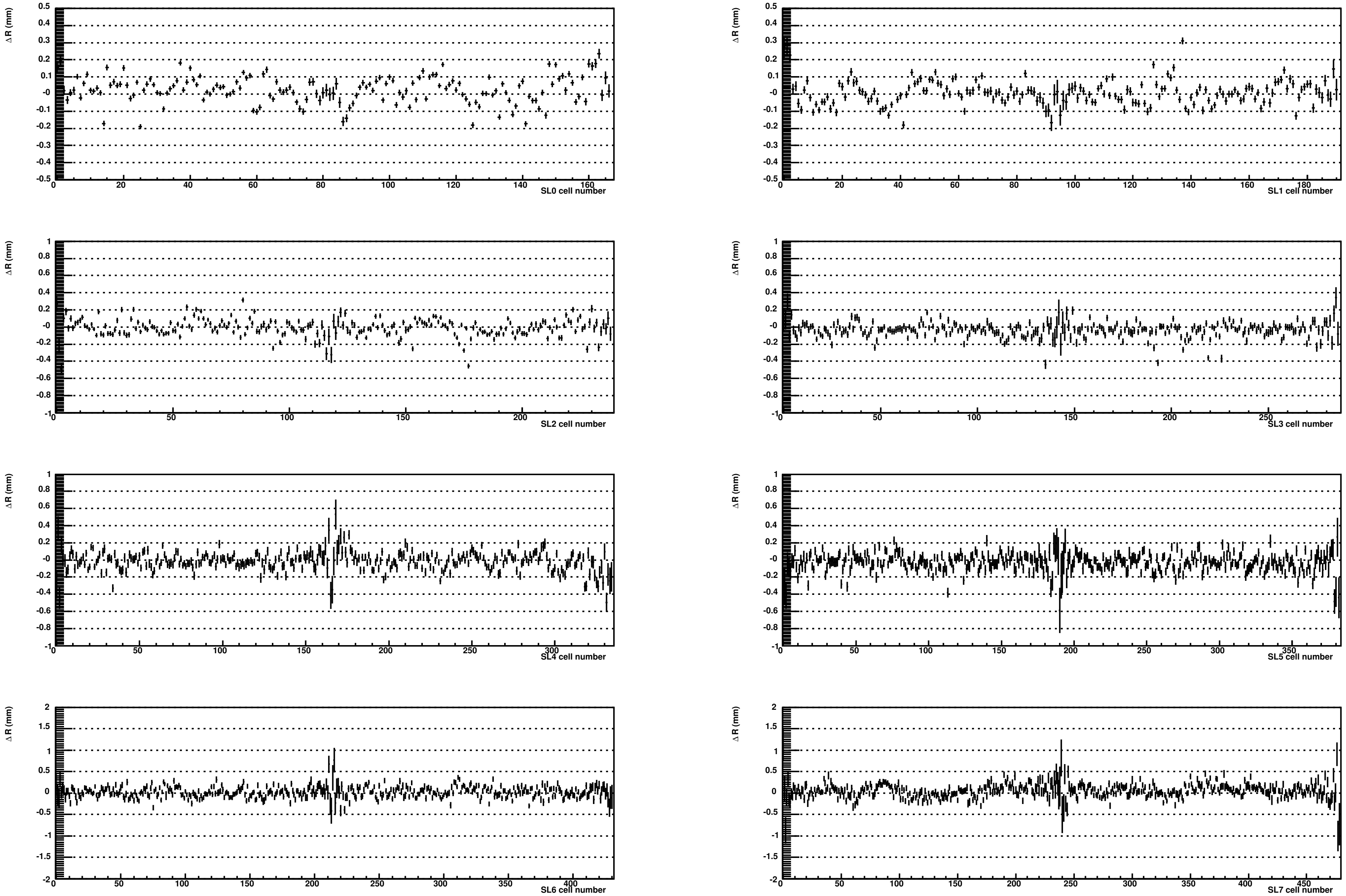


SL0 cells
ΔR (mm)
Entries 168
Mean 0.026356
RMS 0.079208
Underflow 0
Overflow 0
Integral 168
SL1 cells
ΔR (mm)
Entries 192
Mean 0.0045229
RMS 0.085138
Underflow 0
Overflow 0
Integral 192
SL2 cells
ΔR (mm)
Entries 240
Mean -0.0096993
RMS 0.10802
Underflow 0
Overflow 0
Integral 240
SL3 cells
ΔR (mm)
Entries 288
Mean -0.036924
RMS 0.096086
Underflow 0
Overflow 0
Integral 288
SL4 cells
ΔR (mm)
Entries 336
Mean -0.017417
RMS 0.11904
Underflow 0
Overflow 0
Integral 336
SL5 cells
ΔR (mm)
Entries 384
Mean -0.031954
RMS 0.11014
Underflow 0
Overflow 0
Integral 384
SL6 cells
ΔR (mm)
Entries 432
Mean 0.01977
RMS 0.13858
Underflow 0
Overflow 0
Integral 432
SL7 cells
ΔR (mm)
Entries 480
Mean 0.050304
RMS 0.17995
Underflow 0
Overflow 0
Integral 480

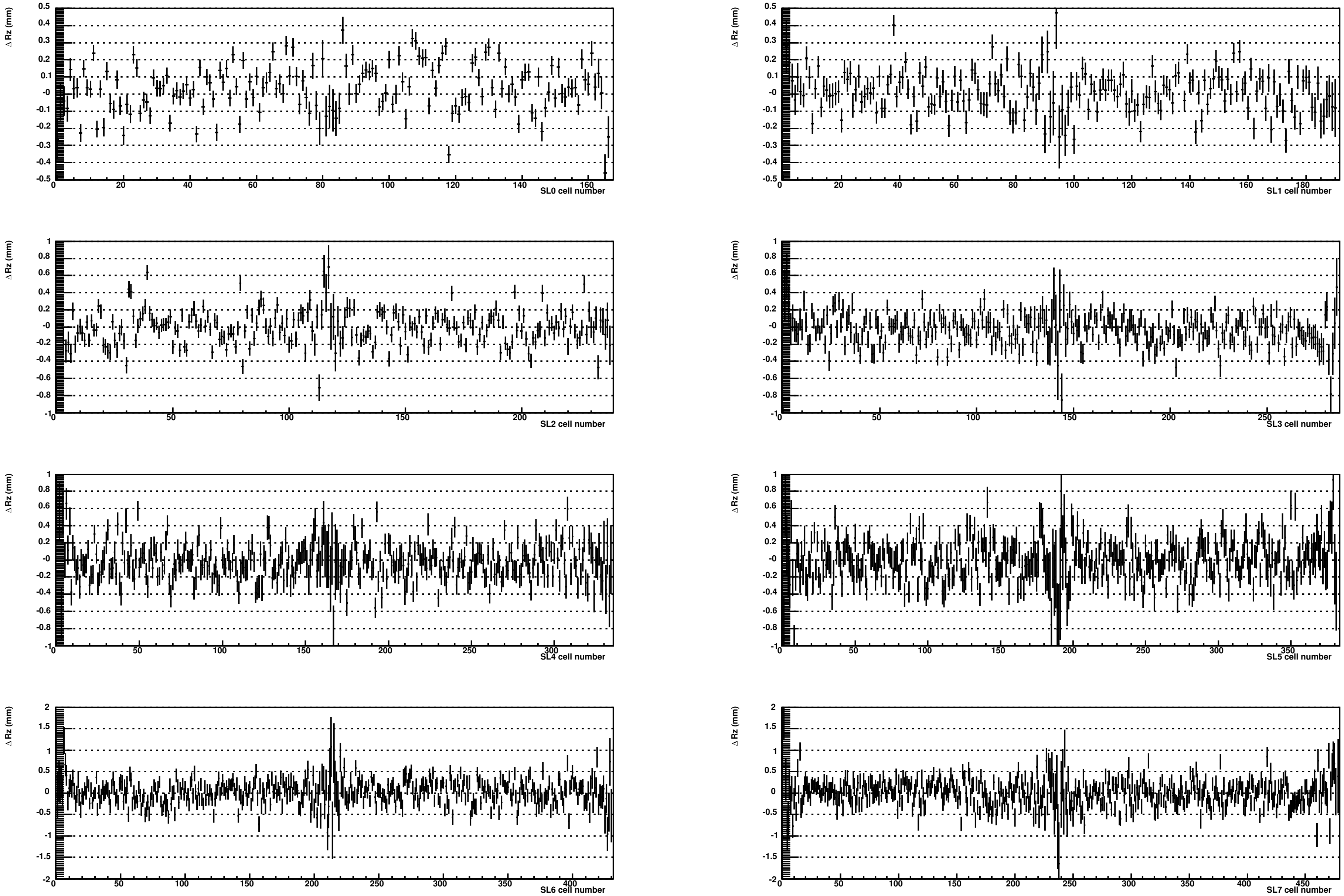

SL0 cells
Entries 168
Mean -7.5284e-07
RMS 1.4122e-05
Underflow 0
Overflow 0
Integral 168
Δ sin Φ(tilt)
SL1 cells
Entries 192
Mean 1.097e-07
RMS 1.3908e-05
Underflow 0
Overflow 0
Integral 192
Δ sin Φ(tilt)
SL2 cells
Entries 240
Mean 2.1932e-06
RMS 1.8707e-05
Underflow 0
Overflow 0
Integral 240
Δ sin Φ(tilt)
SL3 cells
Entries 288
Mean 4.4903e-07
RMS 1.7981e-05
Underflow 0
Overflow 0
Integral 288
Δ sin Φ(tilt)
SL4 cells
Entries 336
Mean 5.8243e-07
RMS 1.9275e-05
Underflow 0
Overflow 0
Integral 336
Δ sin Φ(tilt)
SL5 cells
Entries 384
Mean 1.7478e-06
RMS 2.3238e-05
Underflow 0
Overflow 0
Integral 384
Δ sin Φ(tilt)
SL6 cells
Entries 432
Mean 1.7242e-06
RMS 2.2512e-05
Underflow 0
Overflow 0
Integral 432
Δ sin Φ(tilt)
SL7 cells
Entries 480
Mean -1.0507e-06
RMS 2.2611e-05
Underflow 0
Overflow 0
Integral 480
Δ sin Φ(tilt)

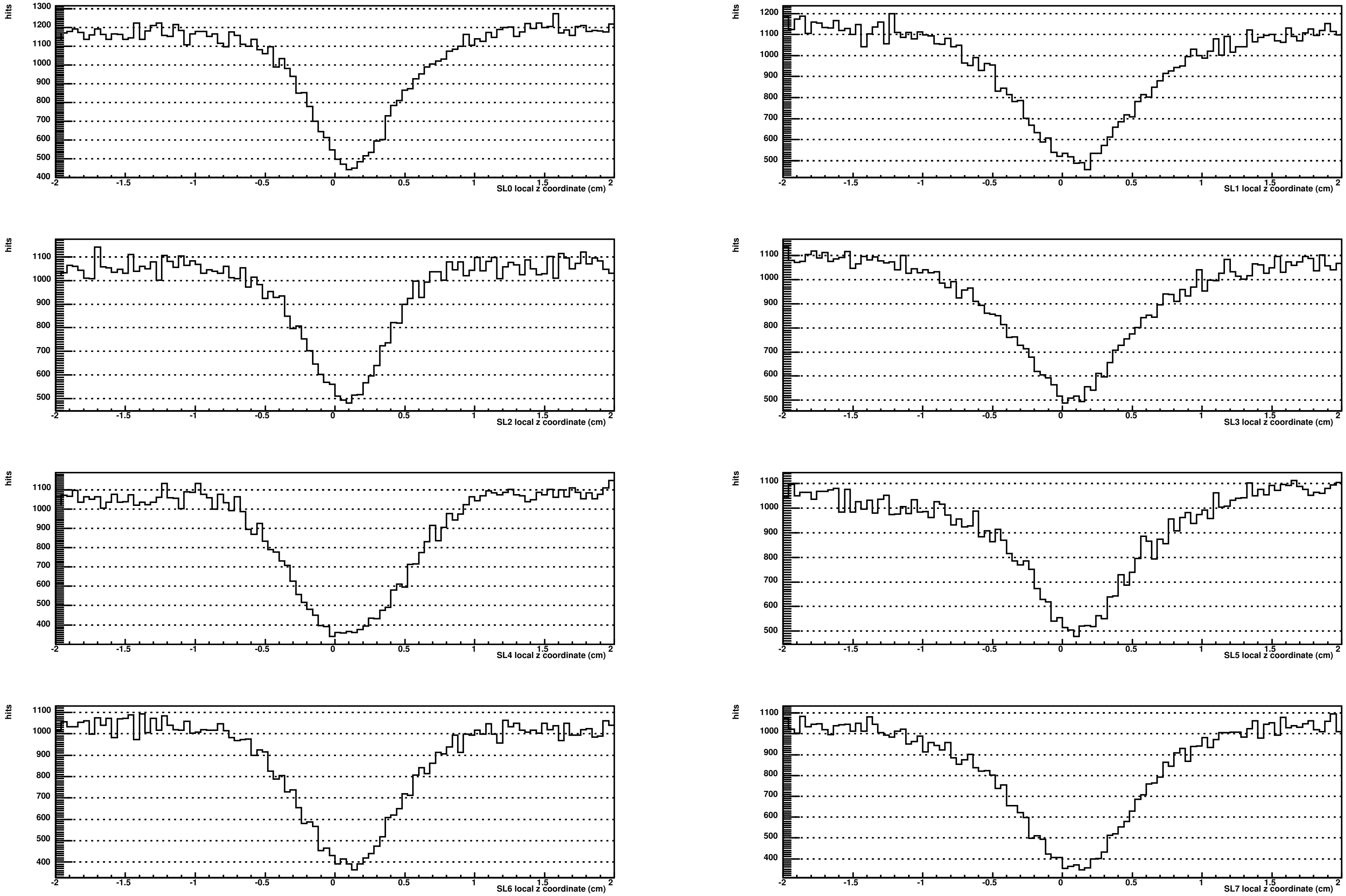

SL0 cells
Entries 168
Mean -4.3198
RMS 1.442
Underflow 0
Overflow 0
Integral 168
RΔφ (μm) (z=155)
SL1 cells
Entries 192
Mean 0.37168
RMS 0.95861
Underflow 0
Overflow 0
Integral 192
RΔφ (μm) (z=155)
SL2 cells
Entries 240
Mean 3.8742
RMS 1.7549
Underflow 0
Overflow 0
Integral 240
RΔφ (μm) (z=155)
SL3 cells
Entries 288
Mean 0.66352
RMS 1.1311
Underflow 0
Overflow 0
Integral 288
RΔφ (μm) (z=155)
SL4 cells
Entries 336
Mean 1.0091
RMS 1.5528
Underflow 0
Overflow 0
Integral 336
RΔφ (μm) (z=155)
SL5 cells
Entries 384
Mean 0.78473
RMS 1.3232
Underflow 0
Overflow 0
Integral 384
RΔφ (μm) (z=155)
SL6 cells
Entries 432
Mean -3.953
RMS 1.4537
Underflow 0
Overflow 0
Integral 432
RΔφ (μm) (z=155)
SL7 cells
RΔφ (μm) (z=155)

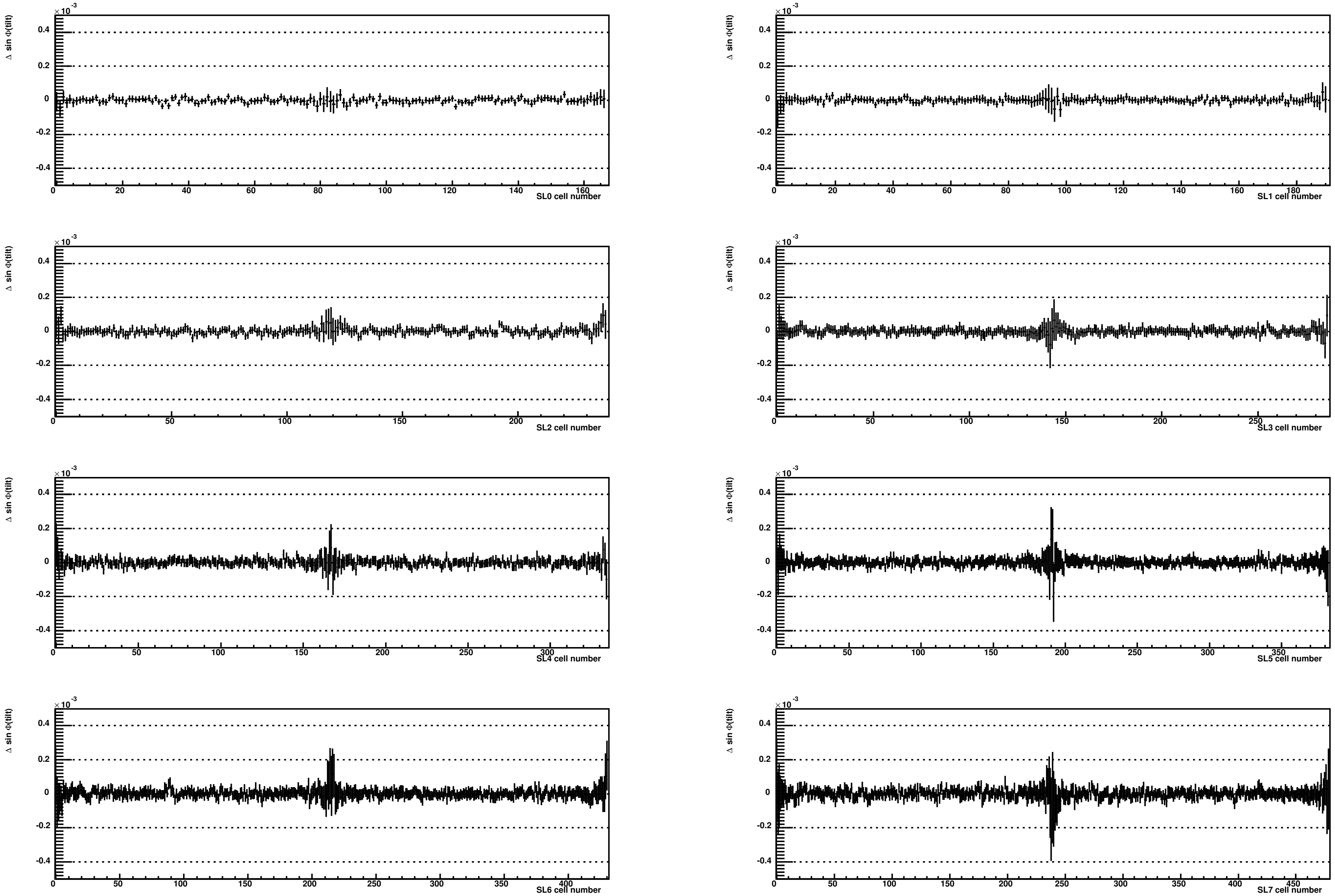

sym RΔφ (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

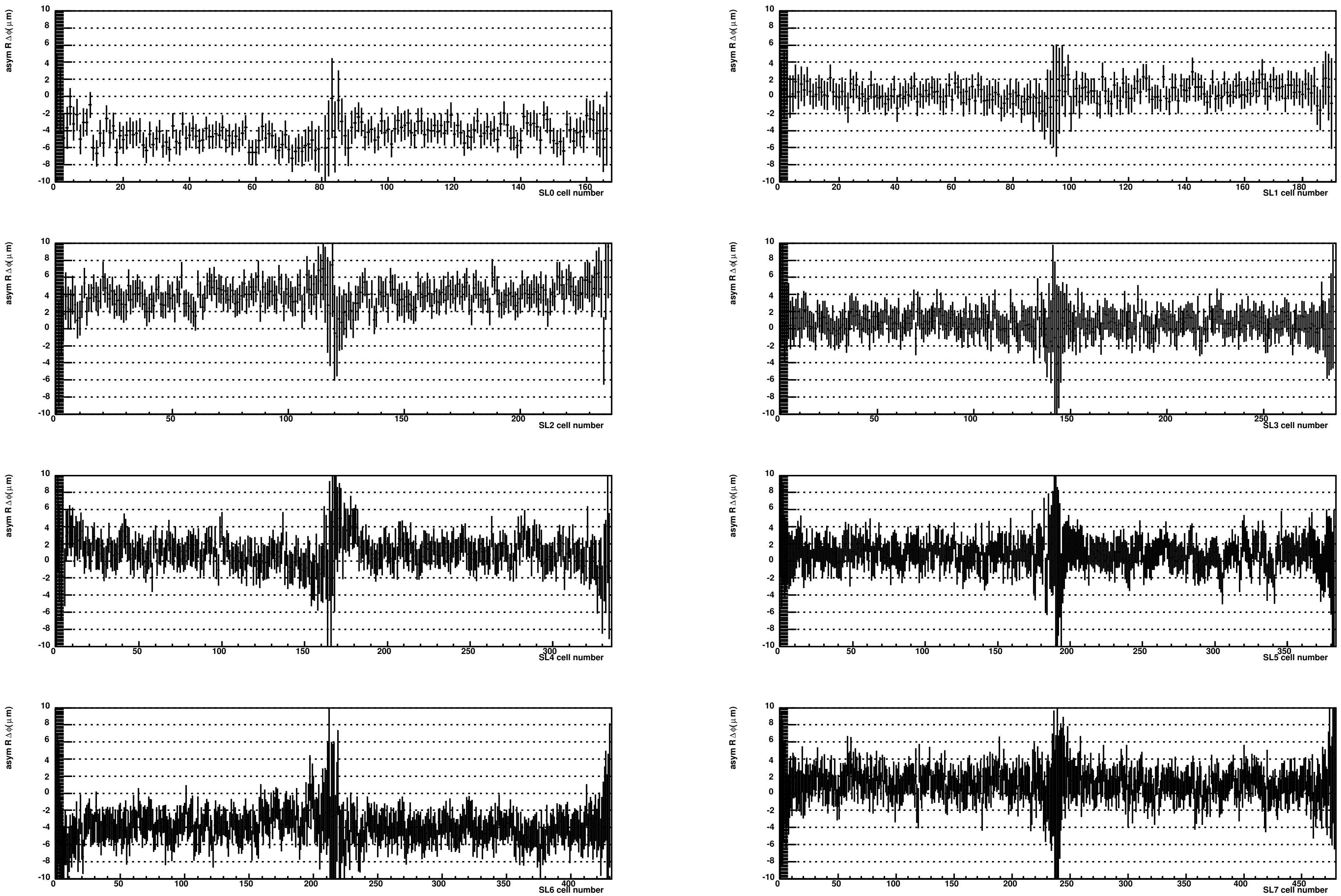


Δ R (mm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

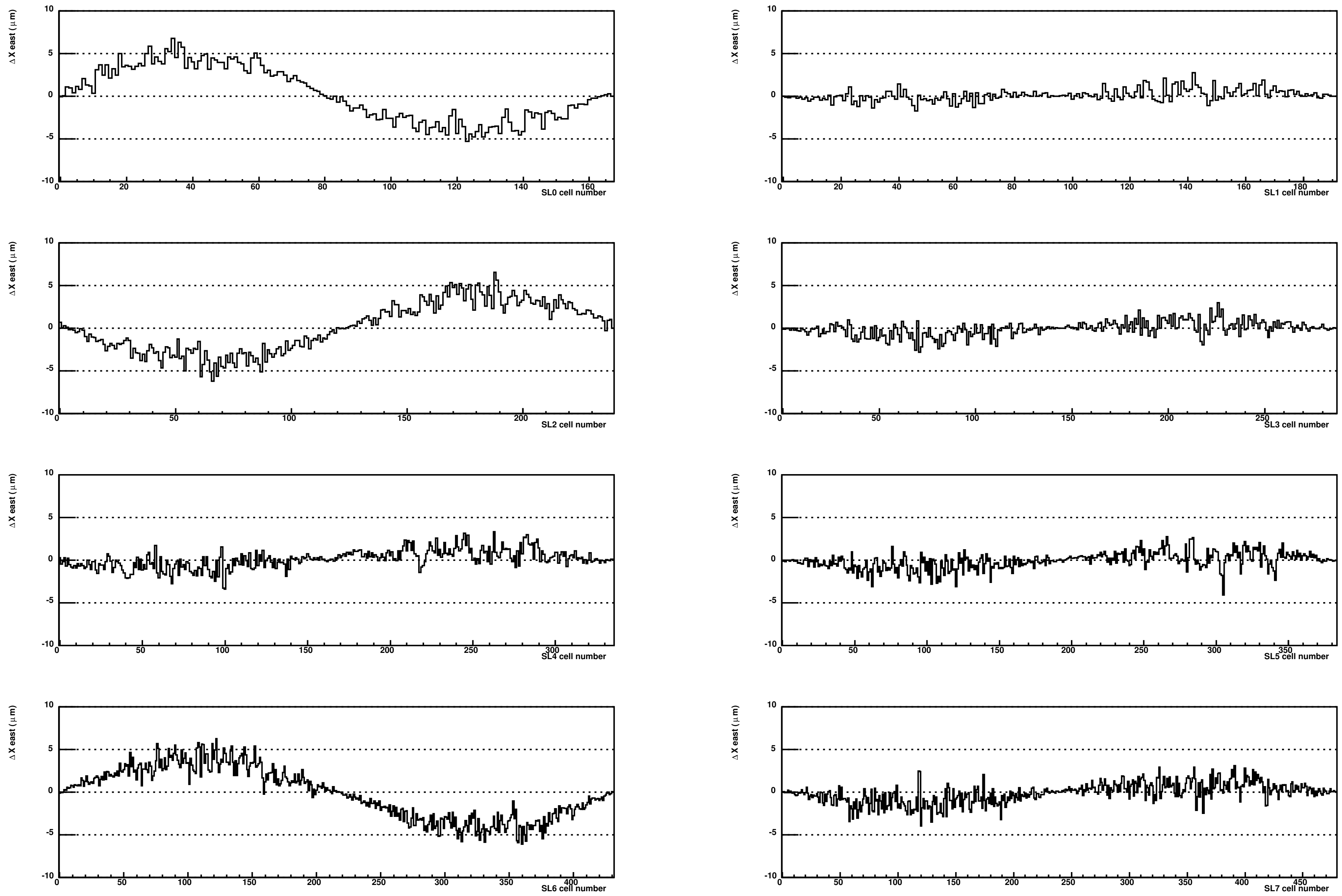

Δ Rz (mm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

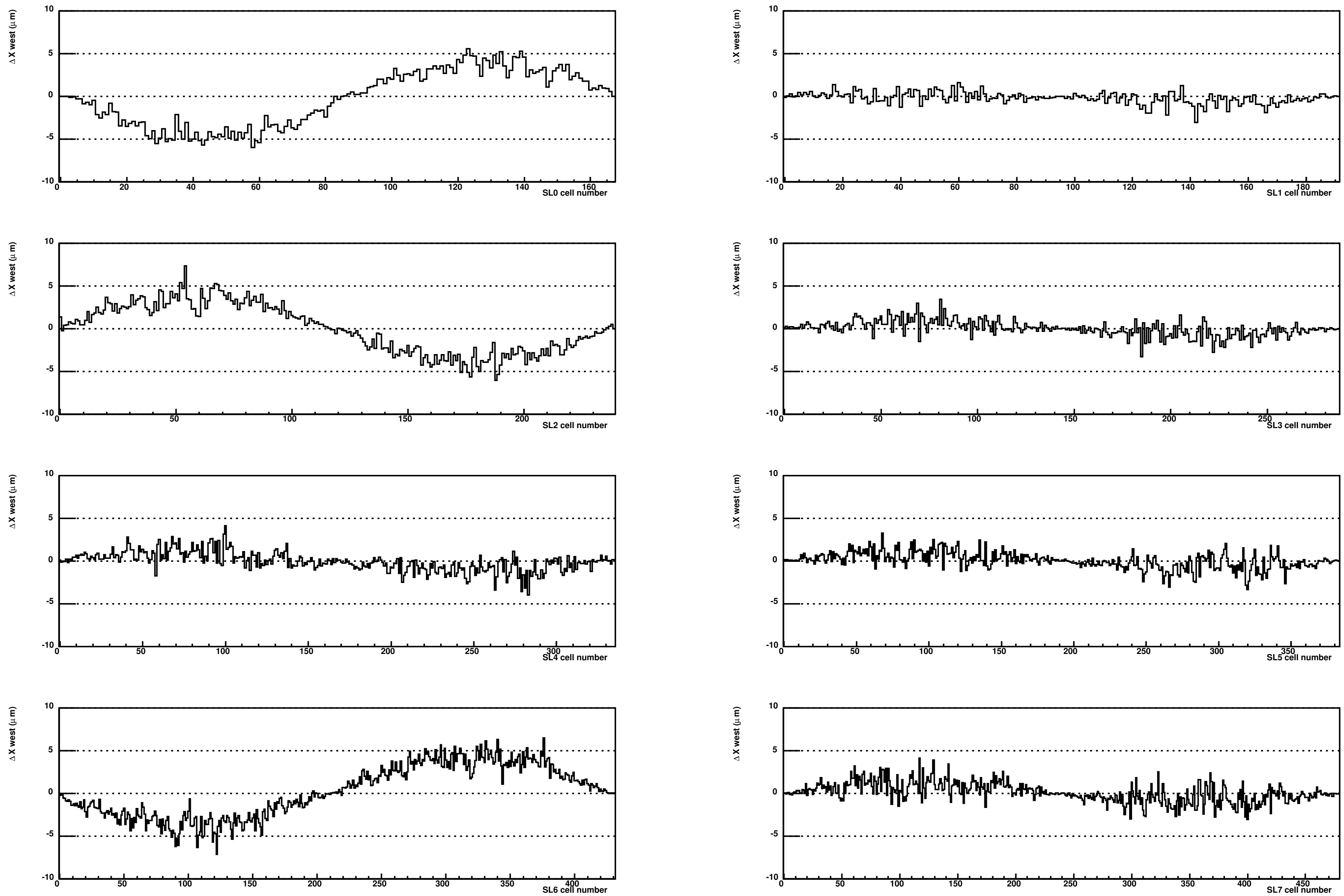

hits
SL0 local z coordinate (cm)
hits
SL1 local z coordinate (cm)
hits
SL2 local z coordinate (cm)
hits
SL3 local z coordinate (cm)
hits
SL4 local z coordinate (cm)
hits
SL5 local z coordinate (cm)
hits
SL6 local z coordinate (cm)
hits
SL7 local z coordinate (cm)


Δ sin Φ(tilt)
×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

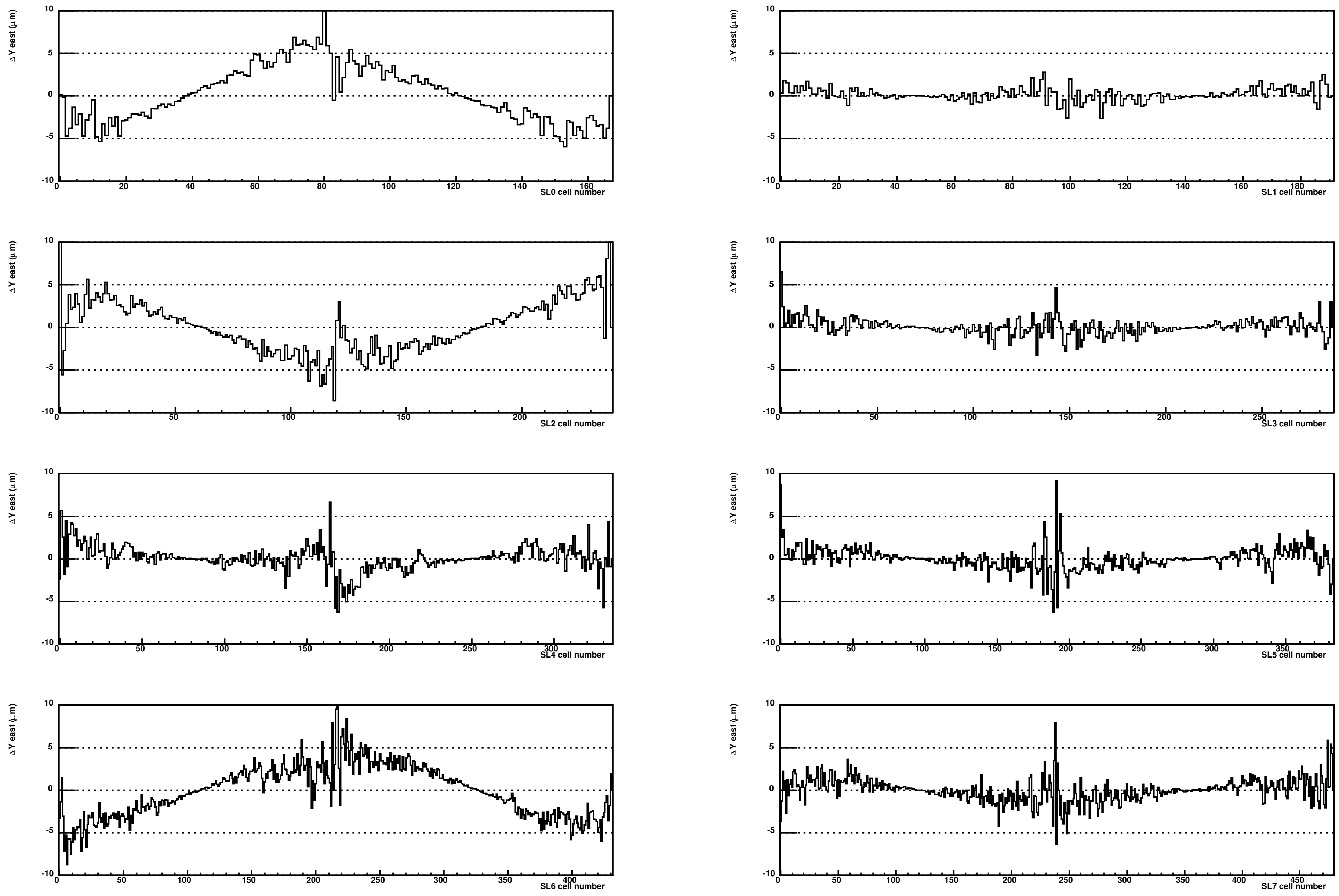


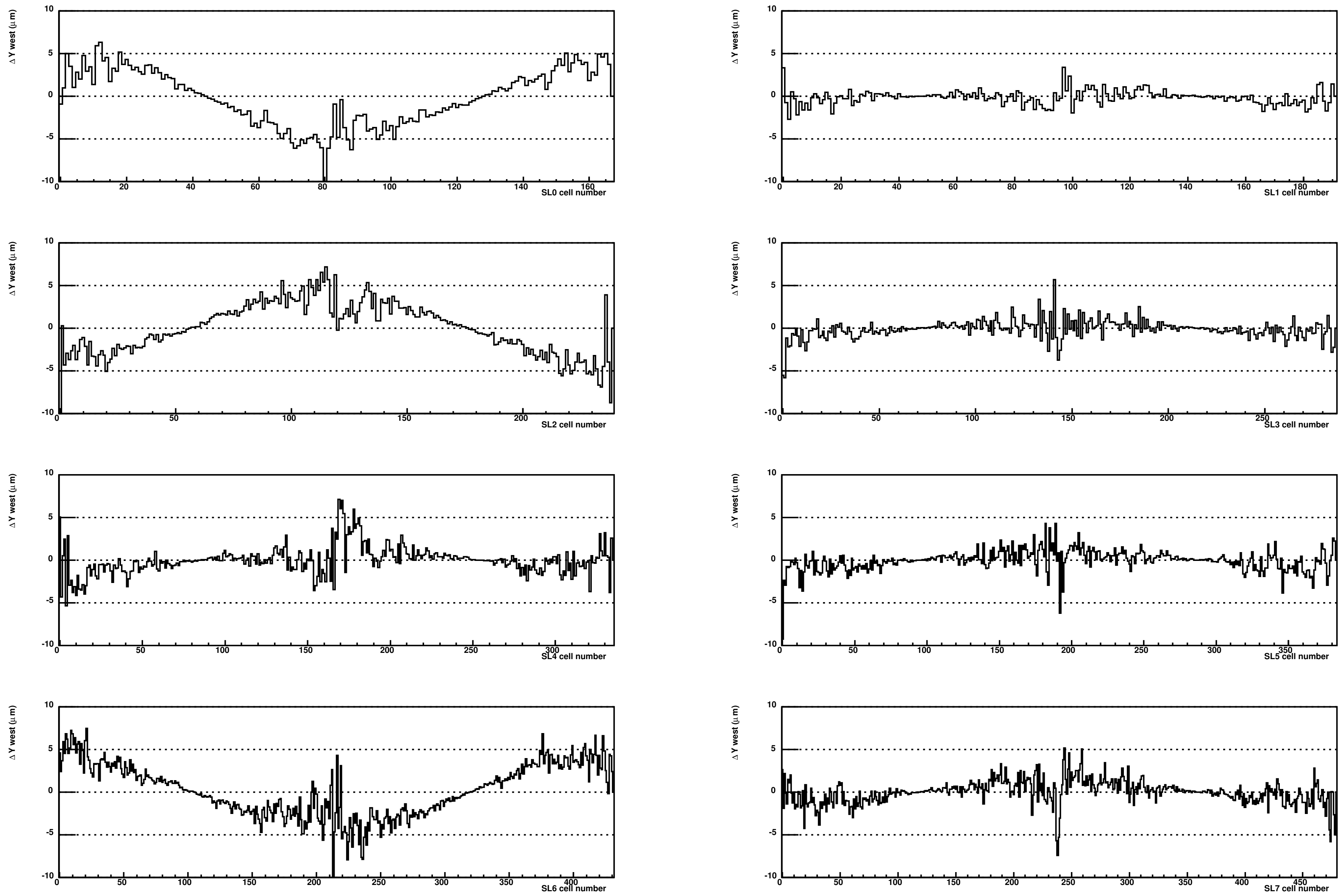
asym R Δφ(μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

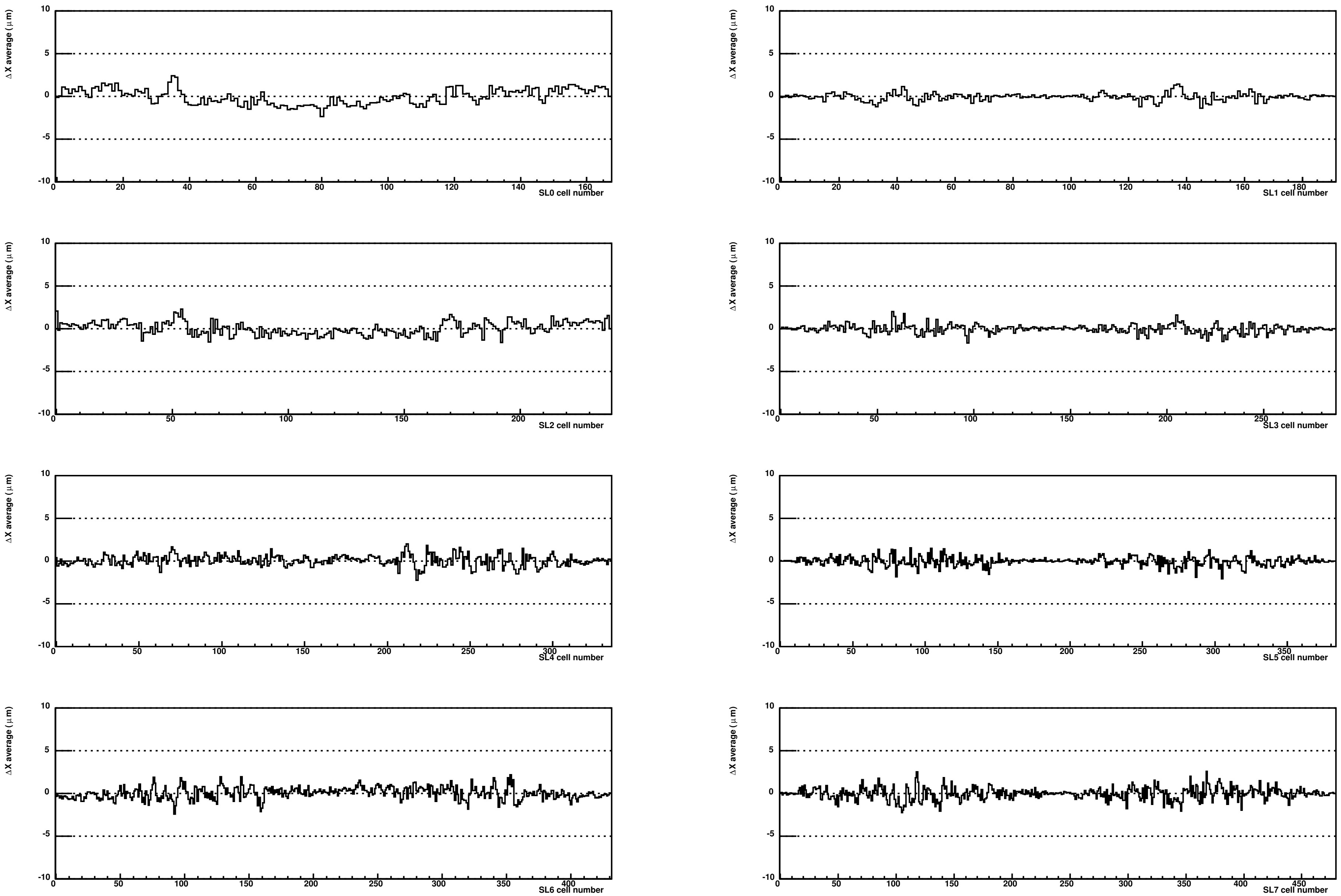

Δ X east (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



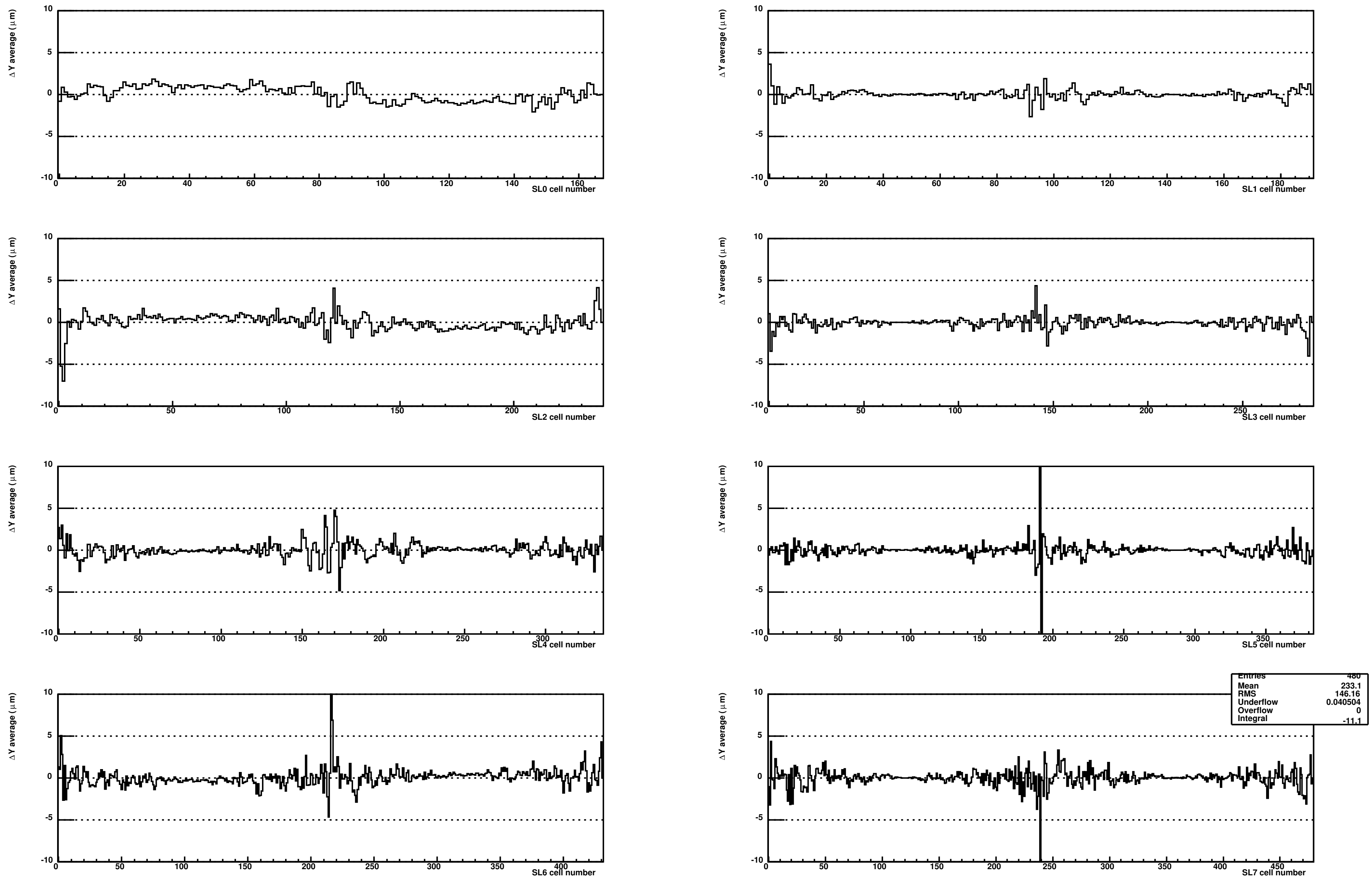
ΔX west (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number


Δ Y 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

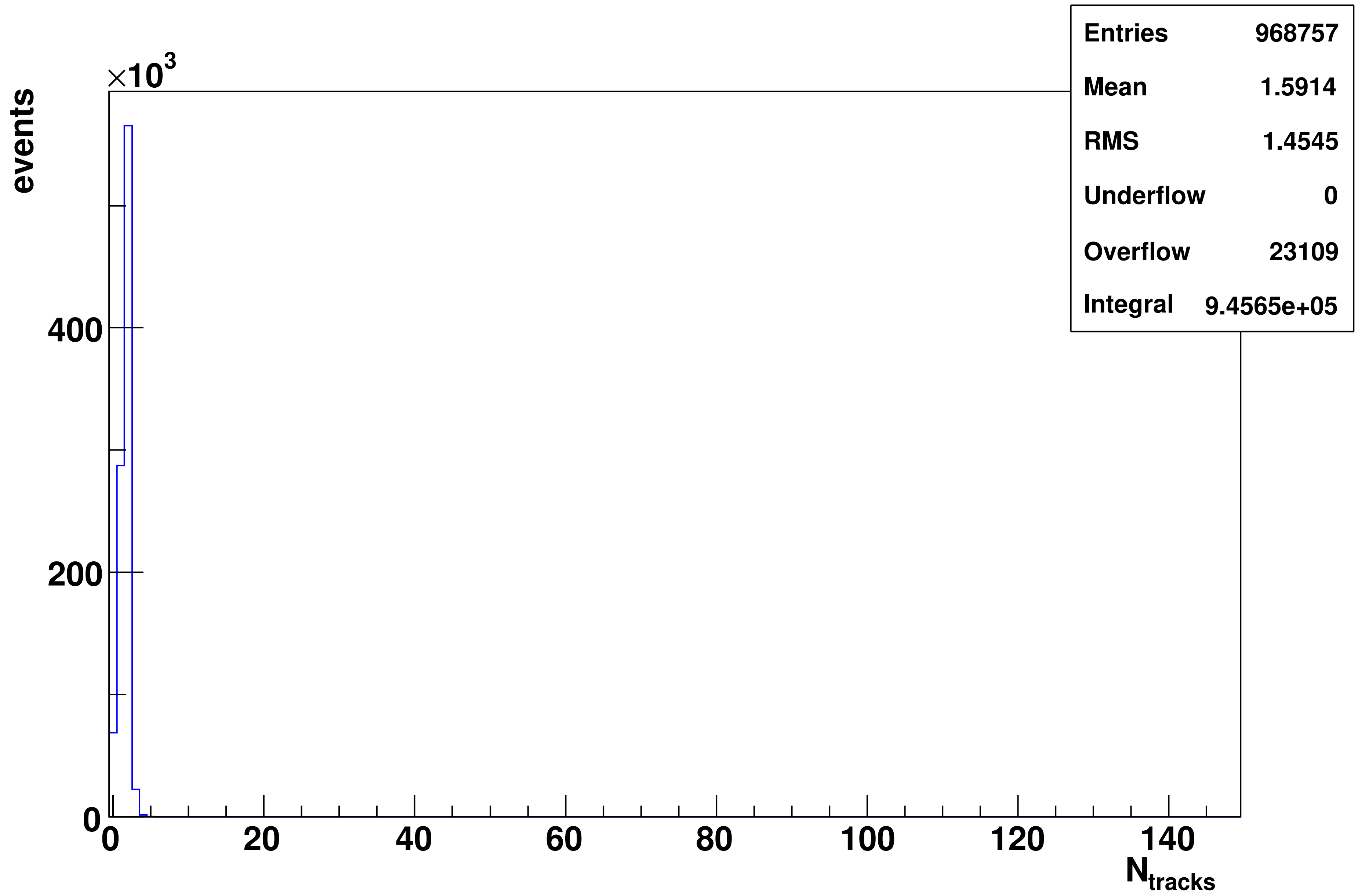

Δ Y west (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



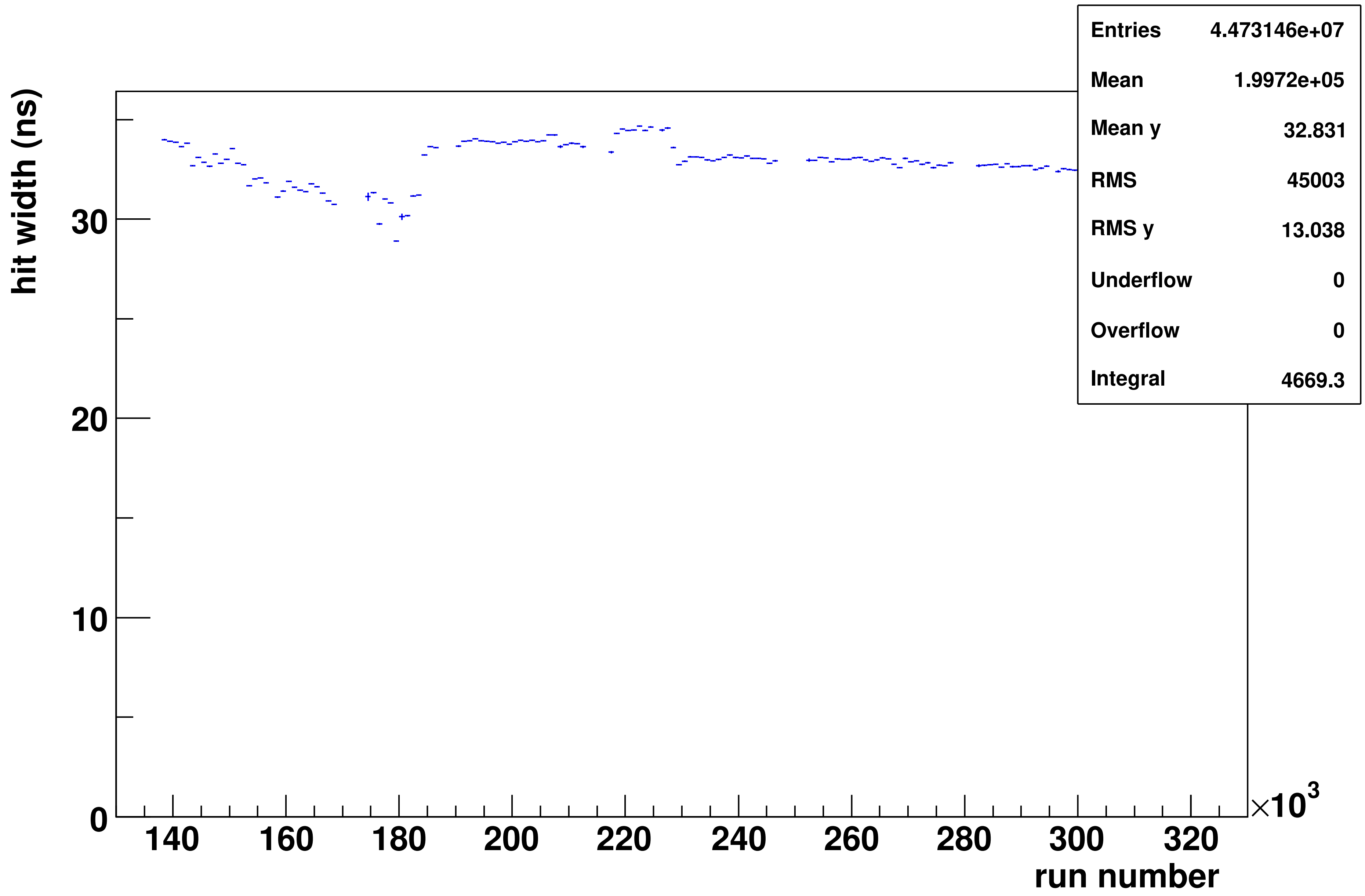
ΔX average (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

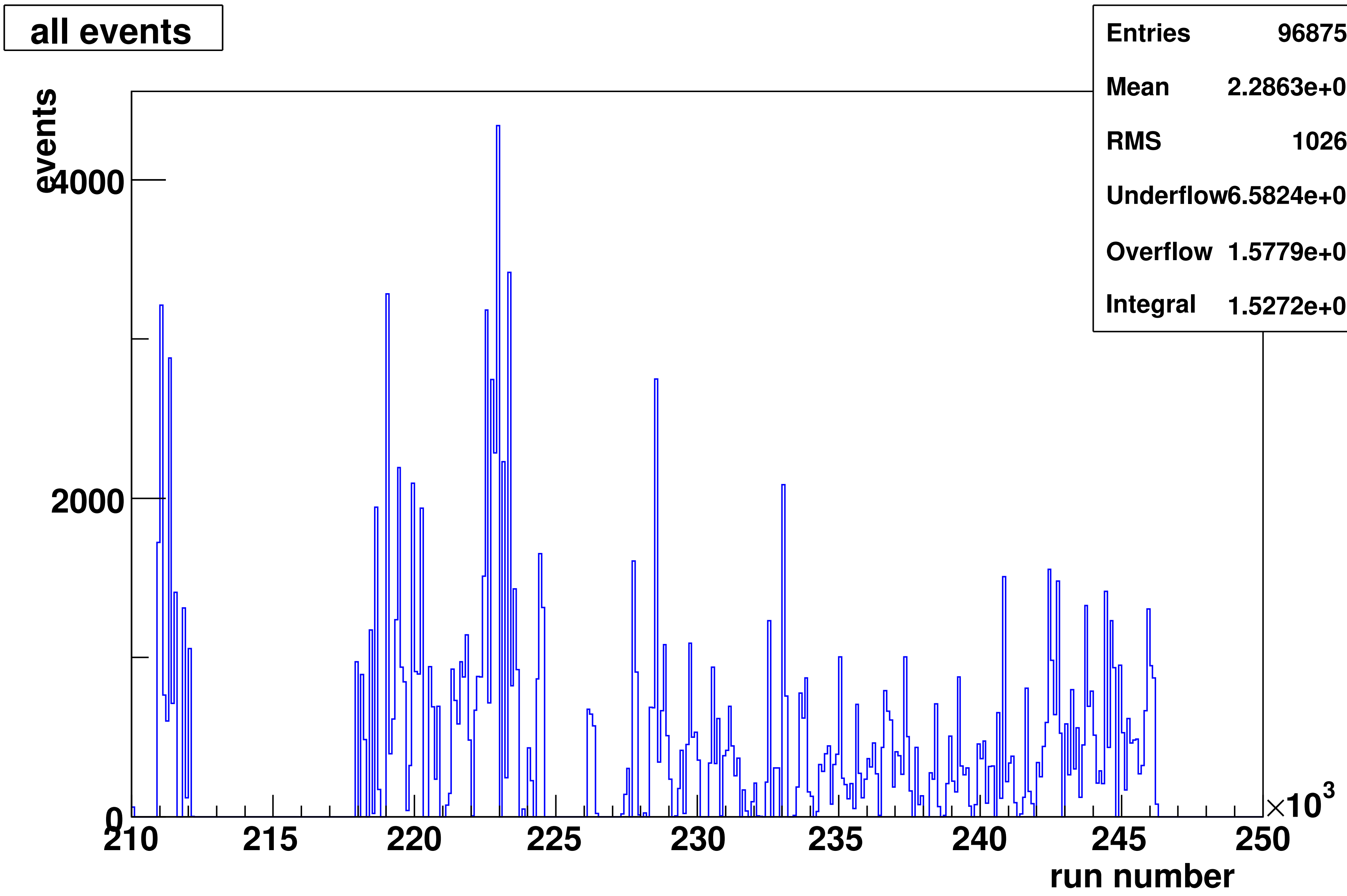


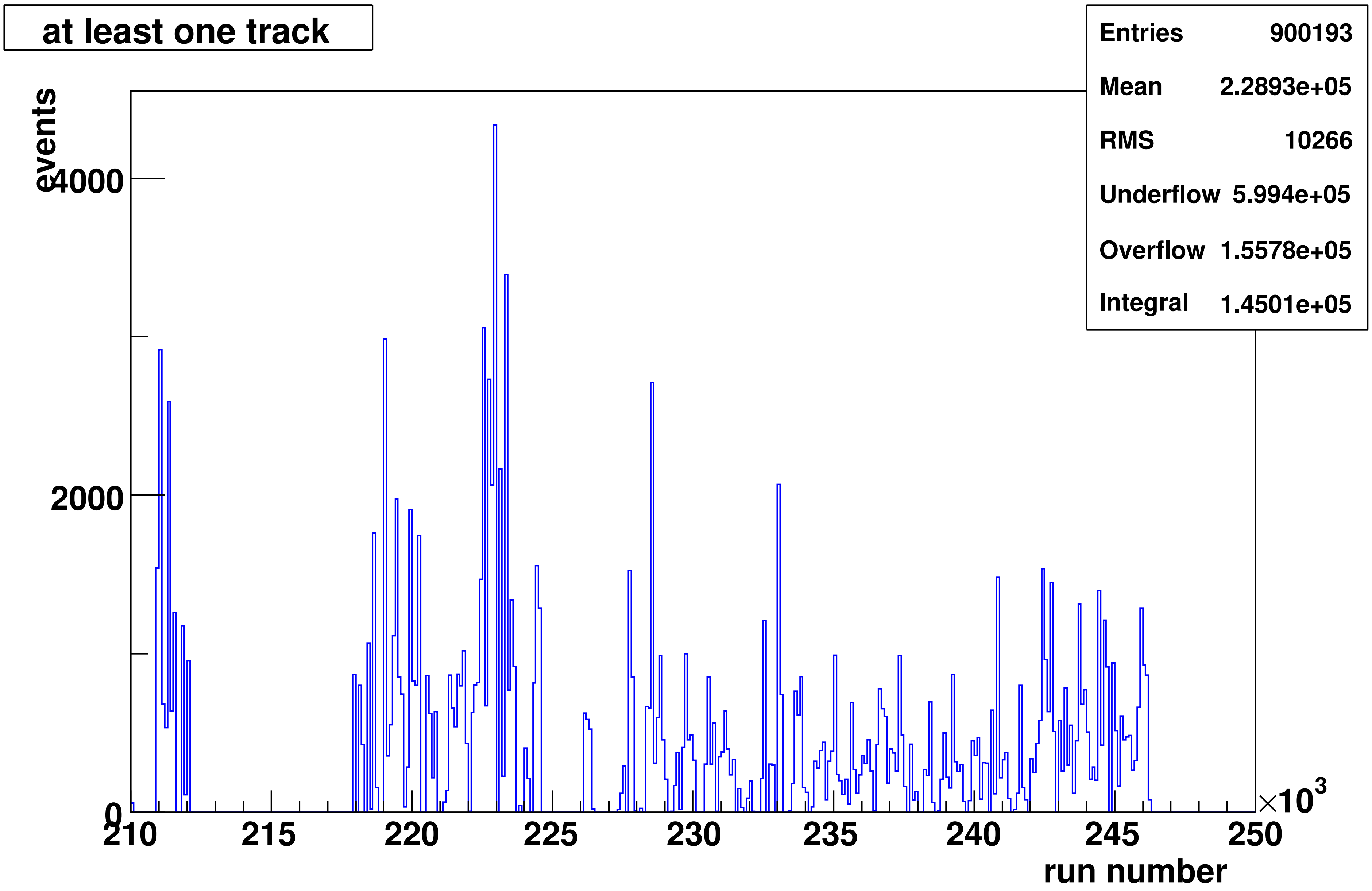
Δ Y average (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number
Entries 480
Mean 233.1
RMS 146.16
Underflow 0.040504
Overflow 0
Integral -11.1

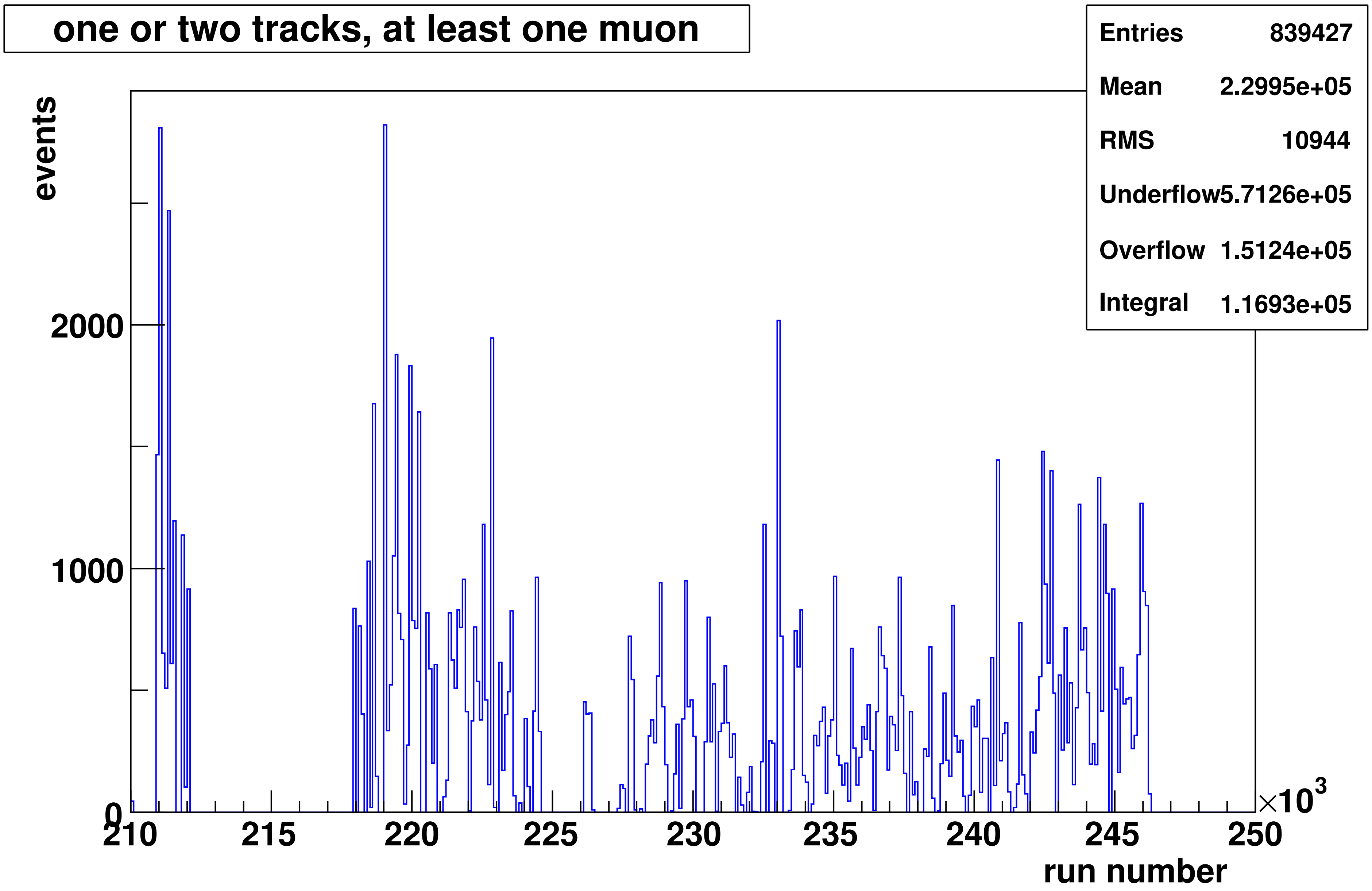


events
×10^3
400
200
0
0
20
40
60
80
100
120
140
N_tracks
Entries 968757
Mean 1.5914
RMS 1.4545
Underflow 0
Overflow 23109
Integral 9.4565e+05

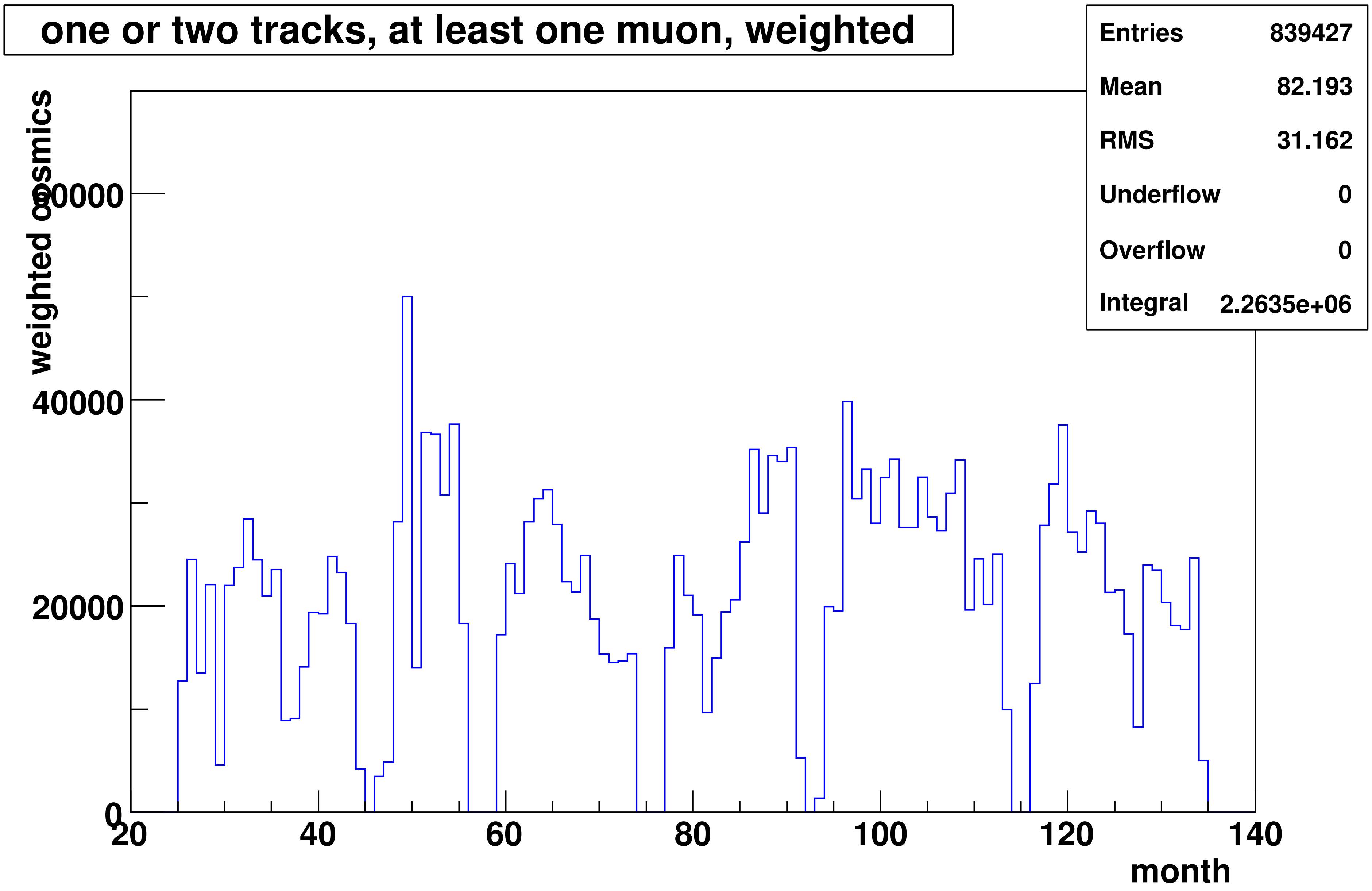

Entries 4.473146e+07
Mean 1.9972e+05
Mean y 32.831
RMS 45003
RMS y 13.038
Underflow 0
Overflow 0
Integral 4669.3
hit width (ns)
0
10
20
30
140
160
180
200
220
240
260
280
300
320
$\times 10^3$
run number


all events
Entries 968757
Mean 2.2863e+05
RMS 10267
Underflow 6.5824e+05
Overflow 1.5779e+05
Integral 1.5272e+05
events
4000
2000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

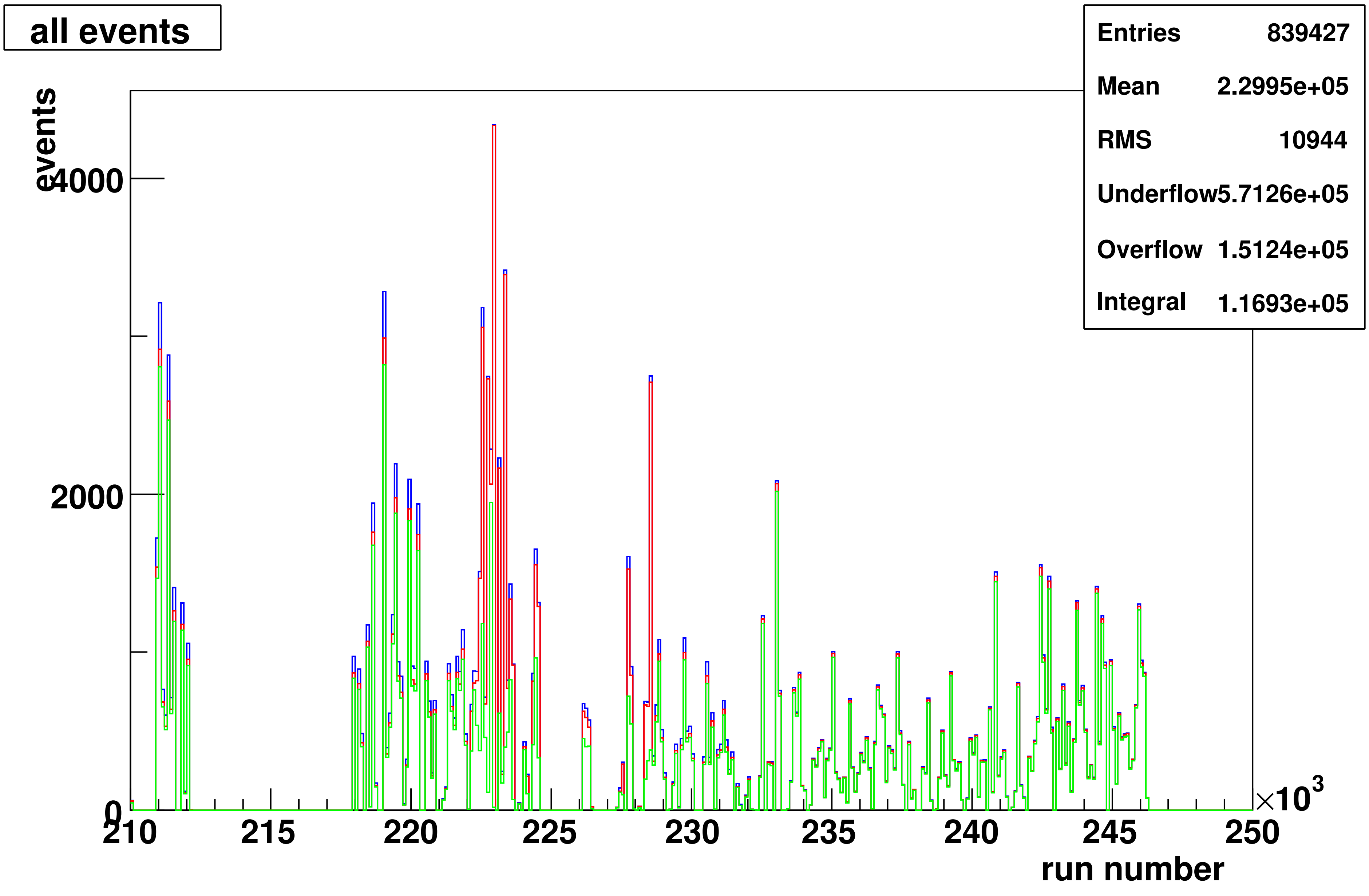

at least one track
Entries 900193
Mean 2.2893e+05
RMS 10266
Underflow 5.994e+05
Overflow 1.5578e+05
Integral 1.4501e+05
events
4000
2000
0
210
215
220
225
230
235
240
245
250
$\times10^3$
run number

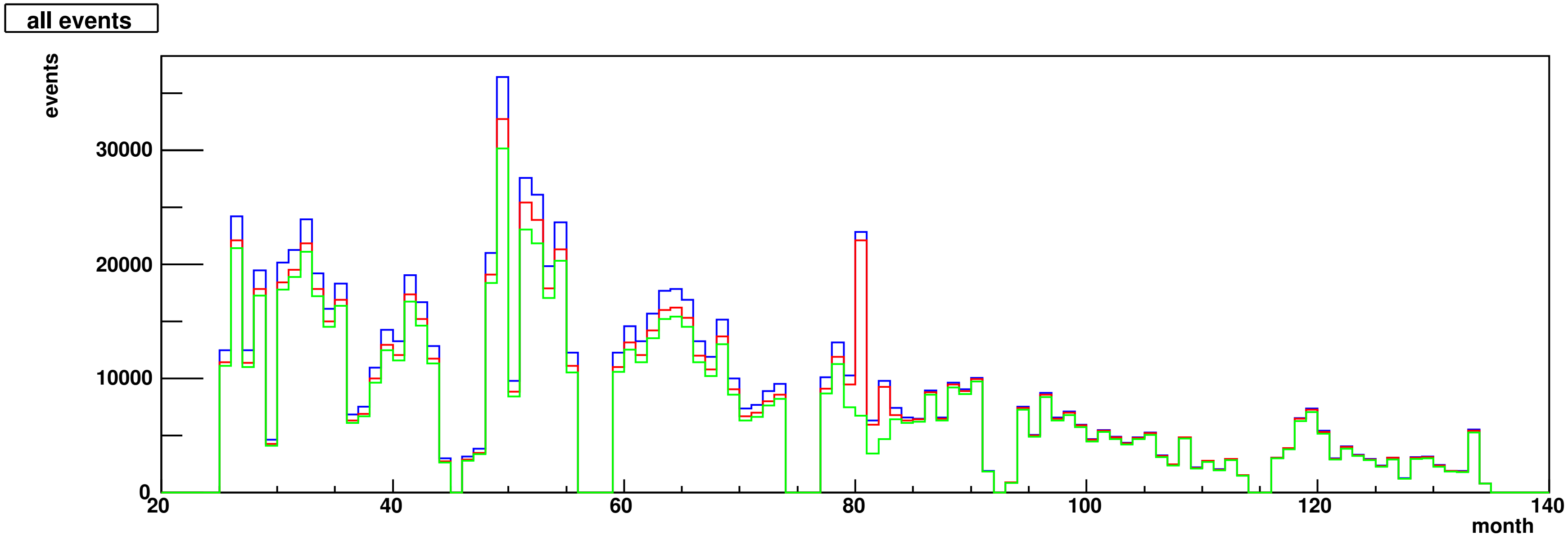


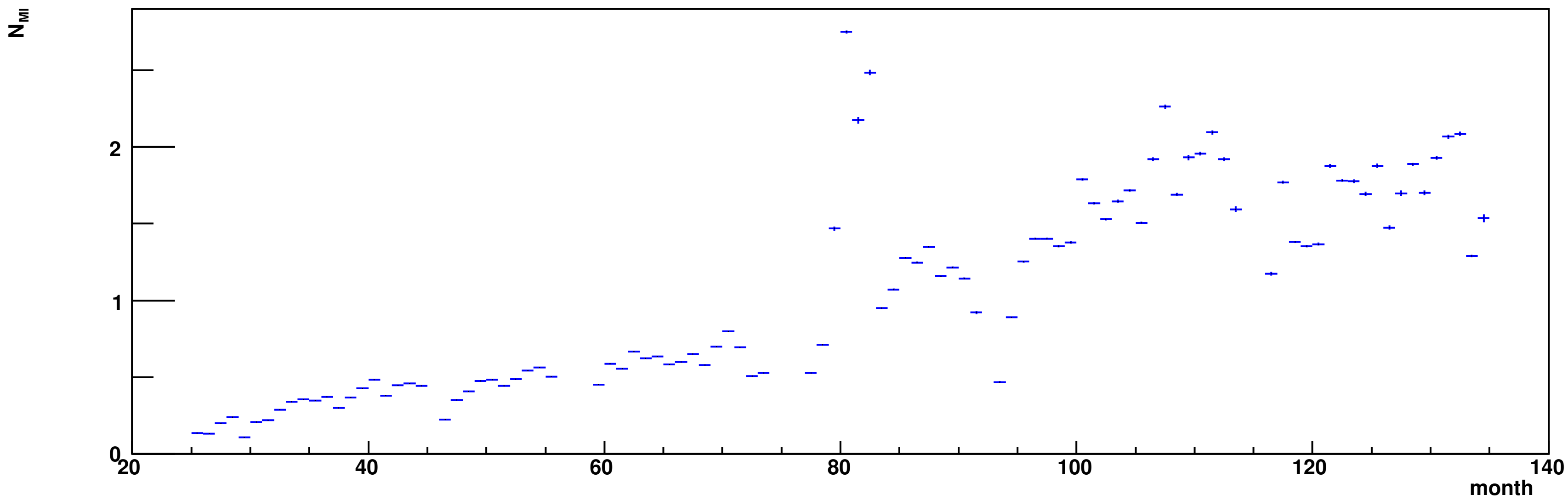
one or two tracks, at least one muon
Entries 839427
Mean 2.2995e+05
RMS 10944
Underflow 5.7126e+05
Overflow 1.5124e+05
Integral 1.1693e+05
events
0
1000
2000
210
215
220
225
230
235
240
245
250
$\times 10^3$
run number

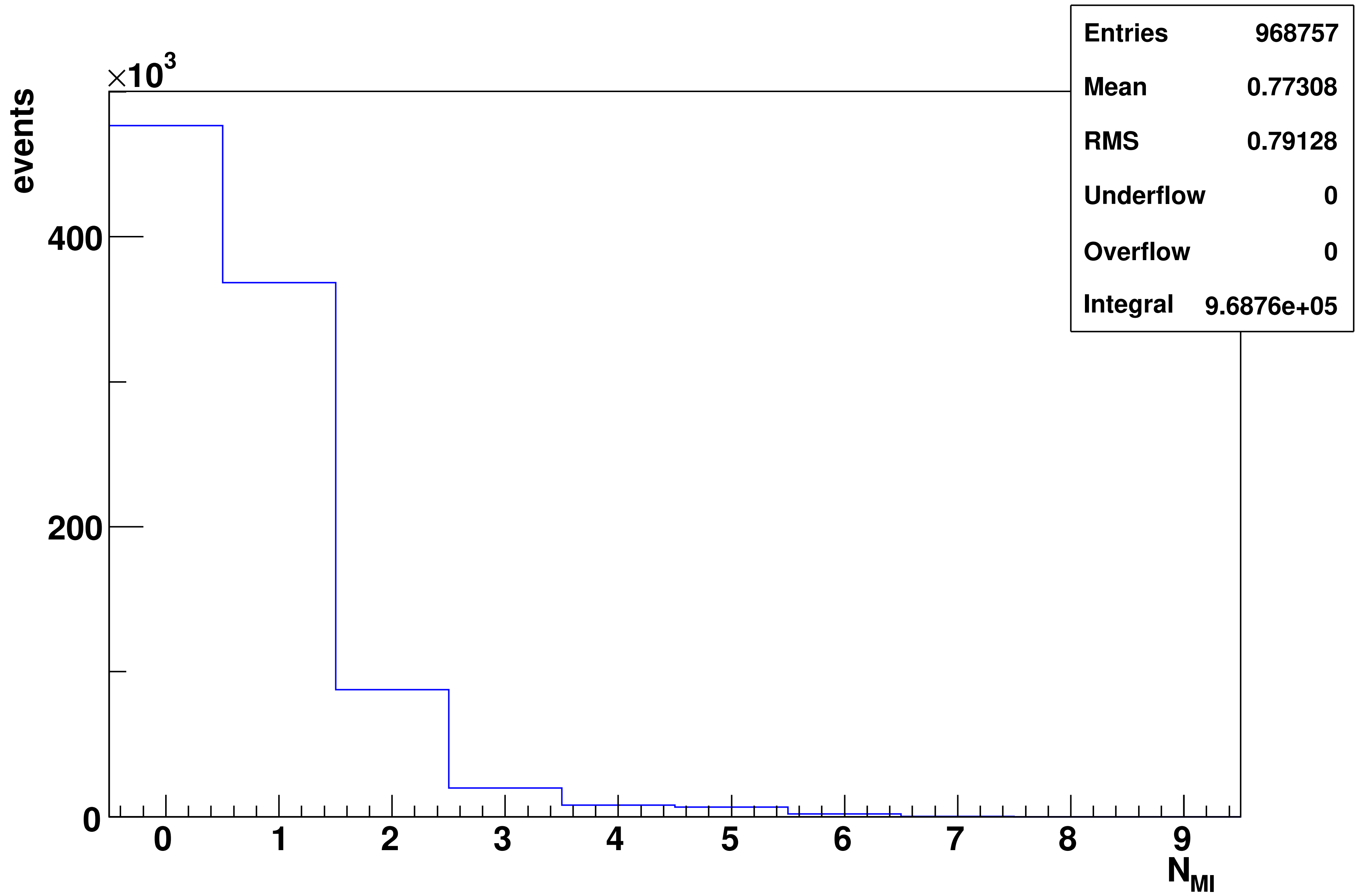


one or two tracks, at least one muon, weighted
Entries 839427
Mean 82.193
RMS 31.162
Underflow 0
Overflow 0
Integral 2.2635e+06
weighted cosmics
0
20000
40000
60000
20
40
60
80
100
120
140
month

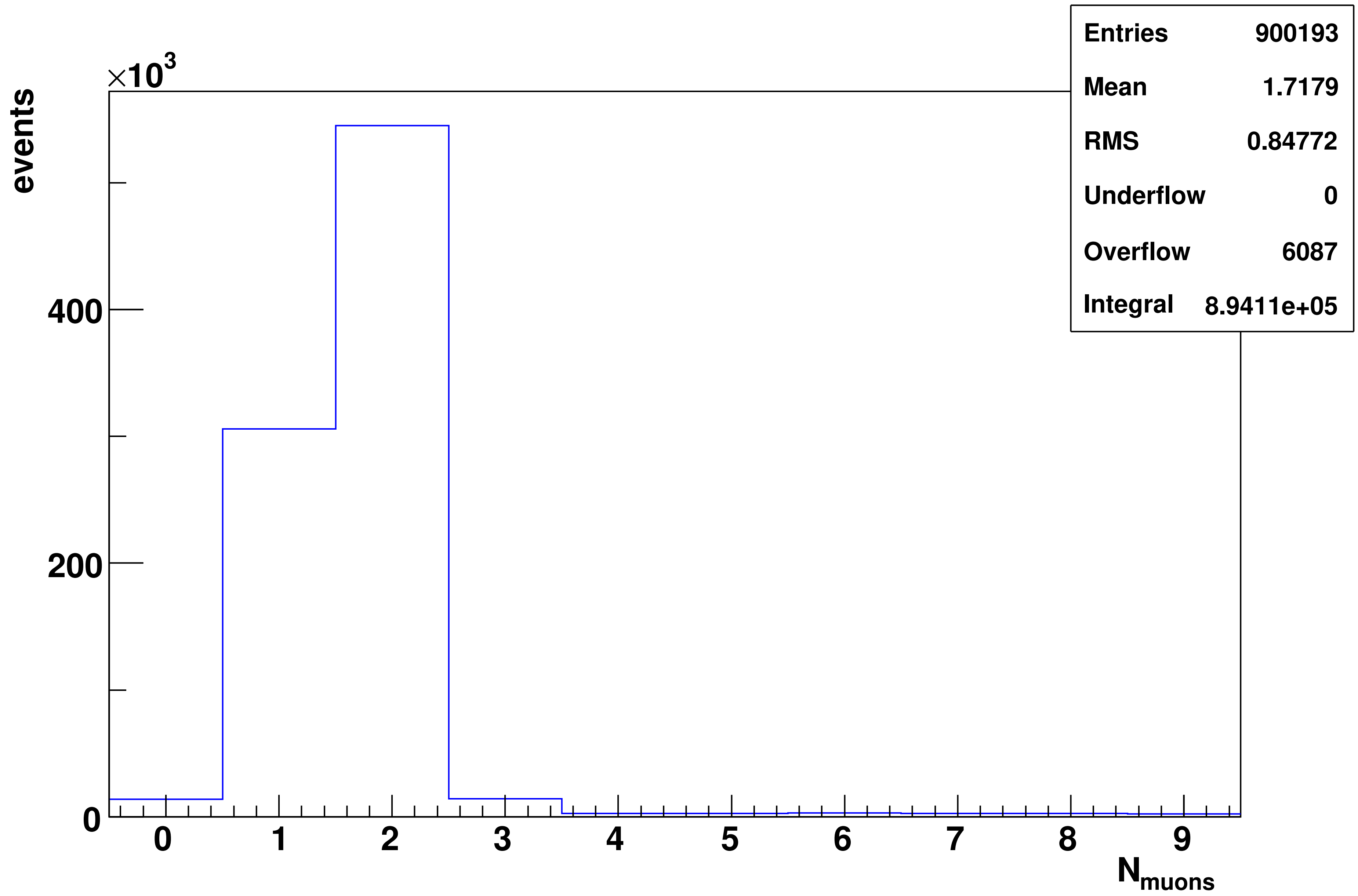

all events
Entries 839427
Mean 2.2995e+05
RMS 10944
Underflow 5.7126e+05
Overflow 1.5124e+05
Integral 1.1693e+05
events
4000
2000
0
210
215
220
225
230
235
240
245
250
$\times10^{3}$
run number


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

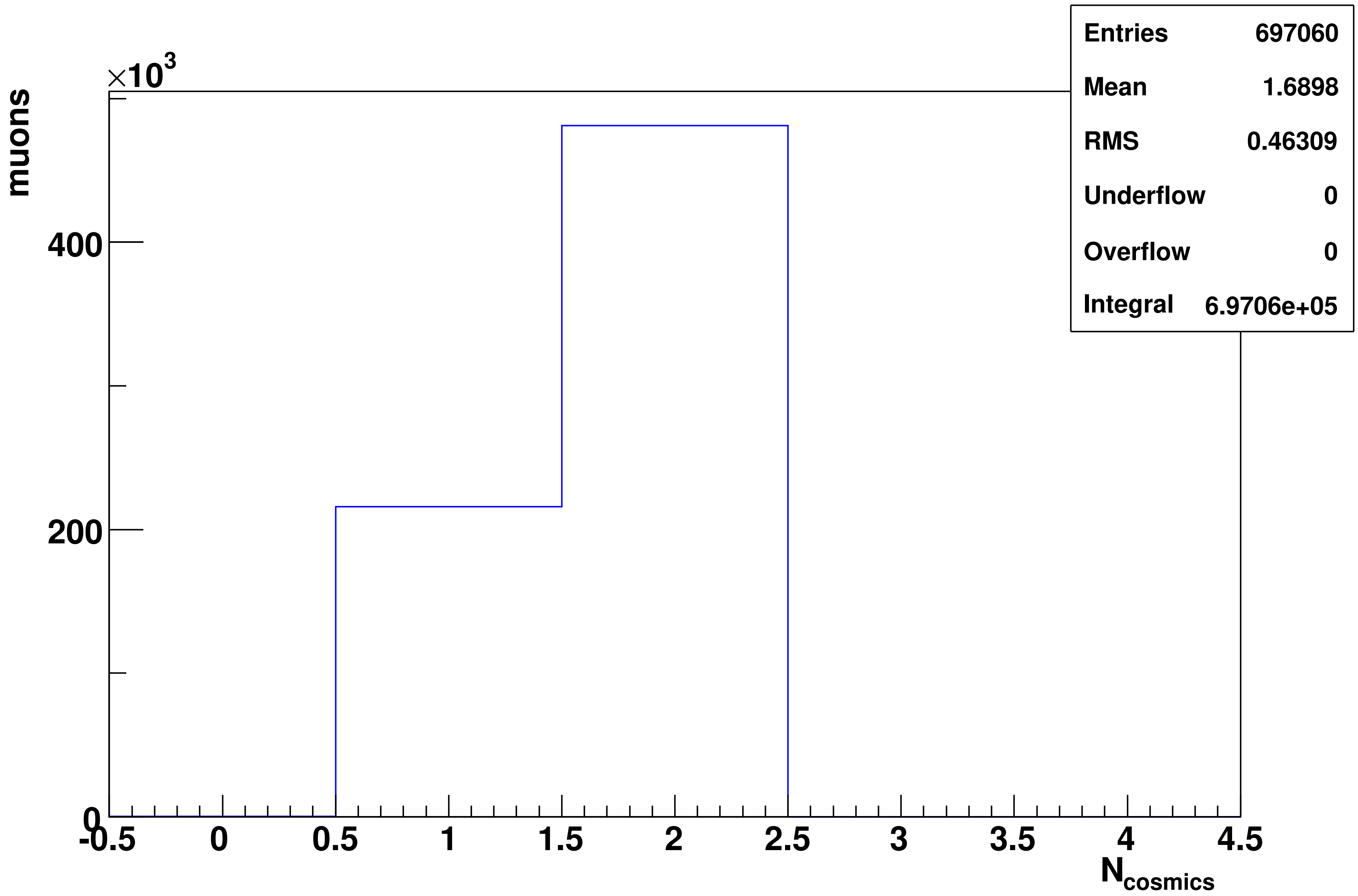

N_{MI}
2
1
0
20
40
60
80
100
120
140
month



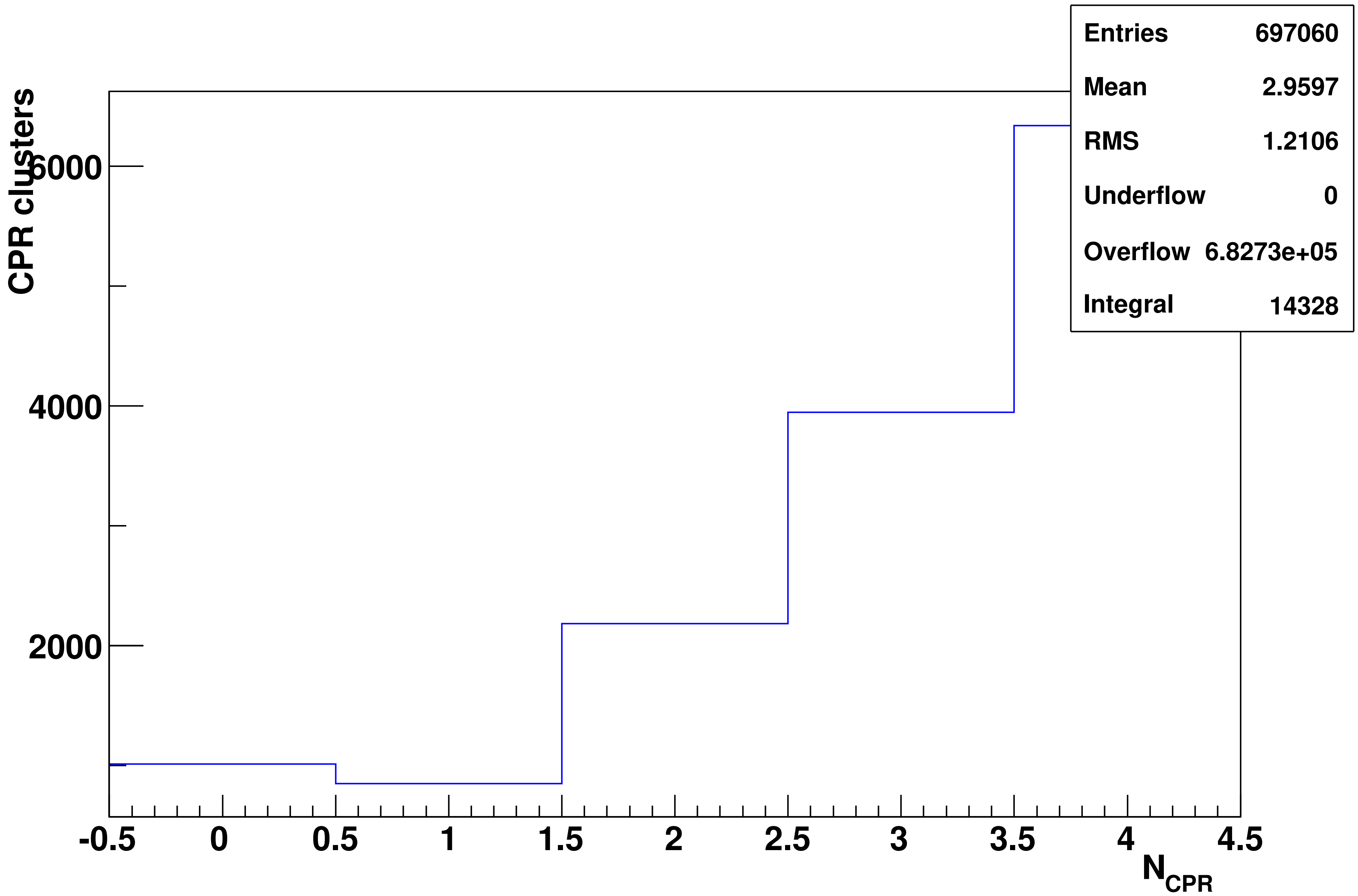
Entries 968757
Mean 0.77308
RMS 0.79128
Underflow 0
Overflow 0
Integral 9.6876e+05
×10^3
events
400
200
0
0 1 2 3 4 5 6 7 8 9
N_MI

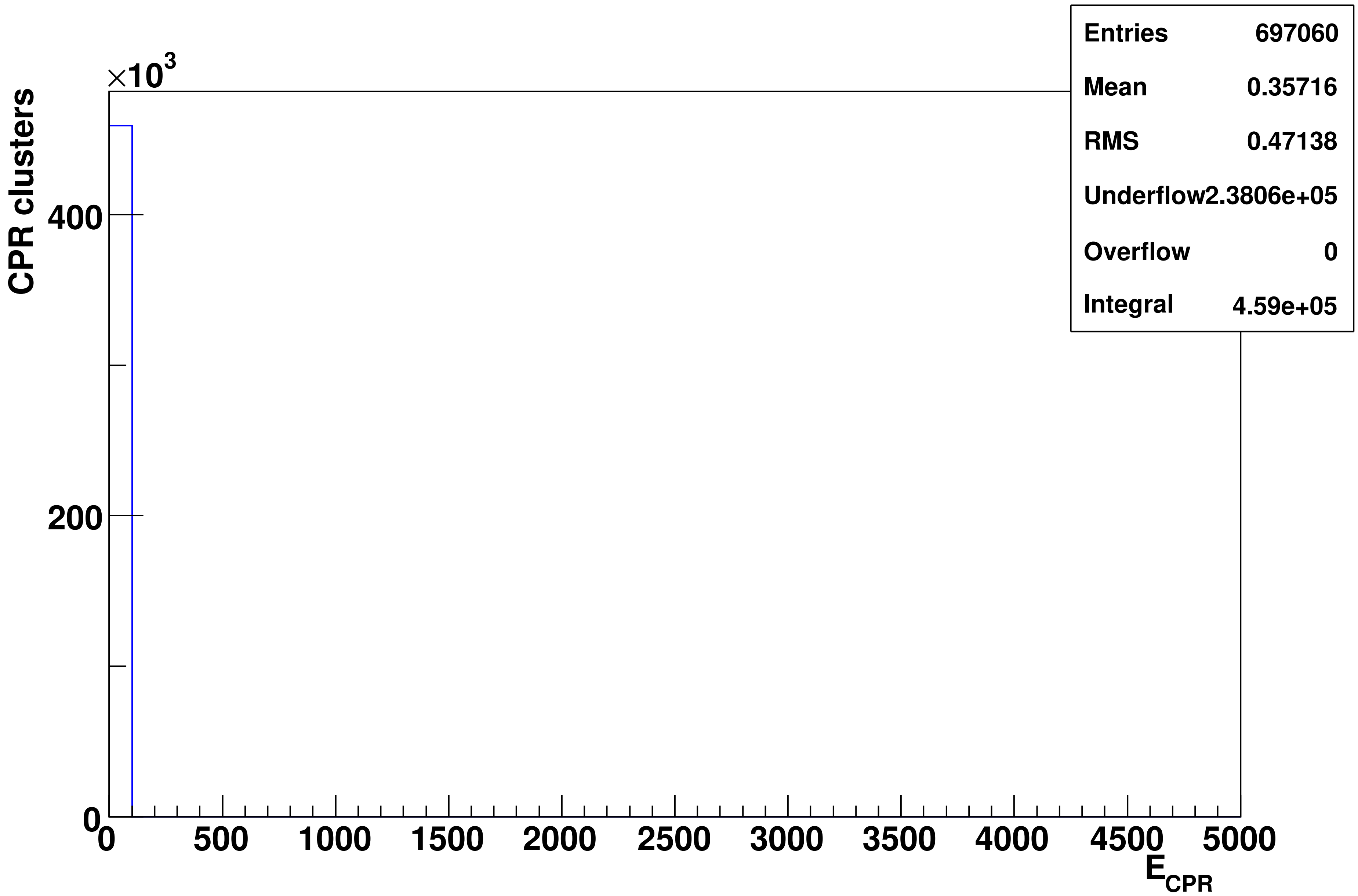


Entries 900193
Mean 1.7179
RMS 0.84772
Underflow 0
Overflow 6087
Integral 8.9411e+05
×10^3
events
400
200
0
0
1
2
3
4
5
6
7
8
9
N_muons

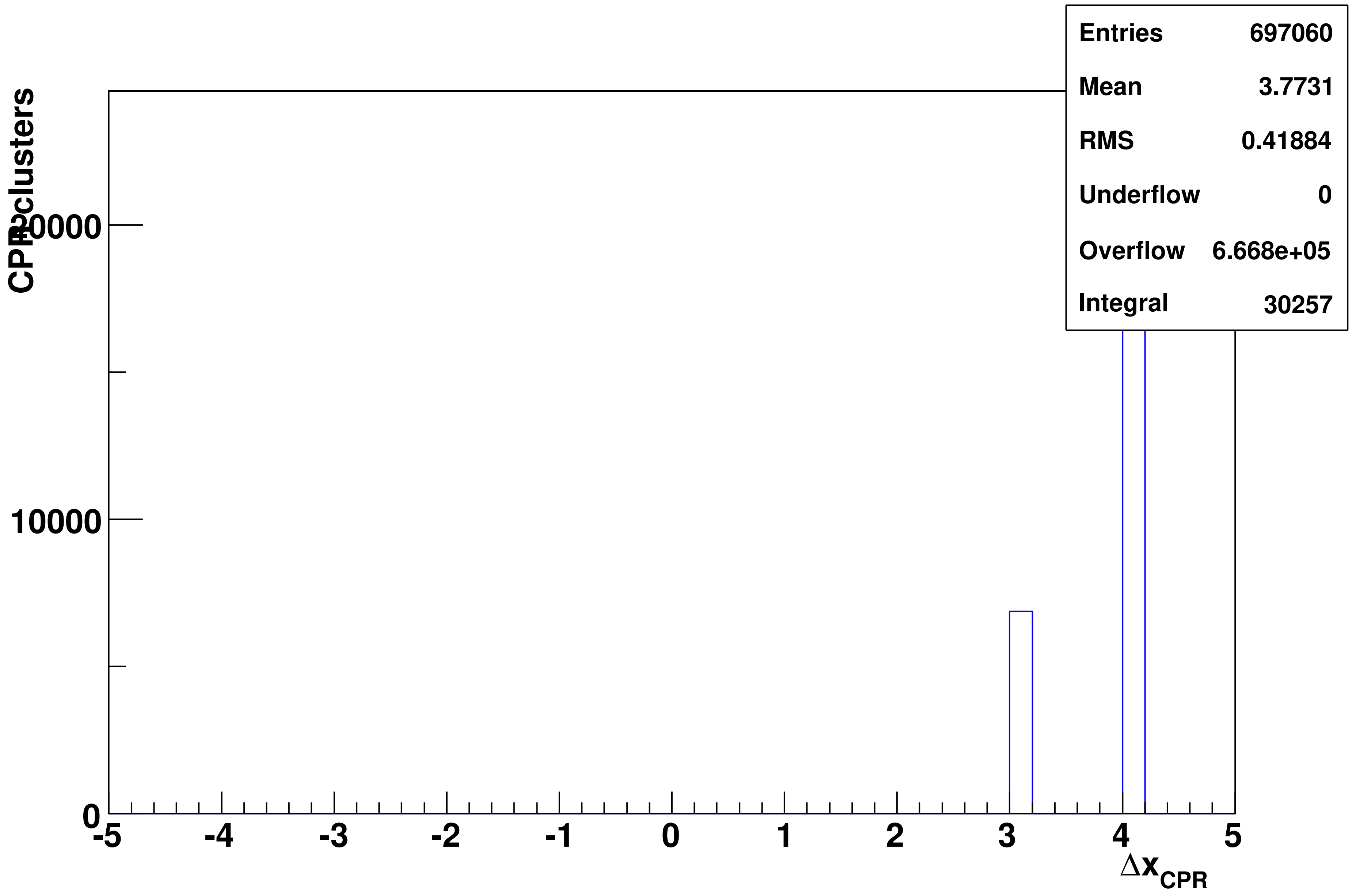


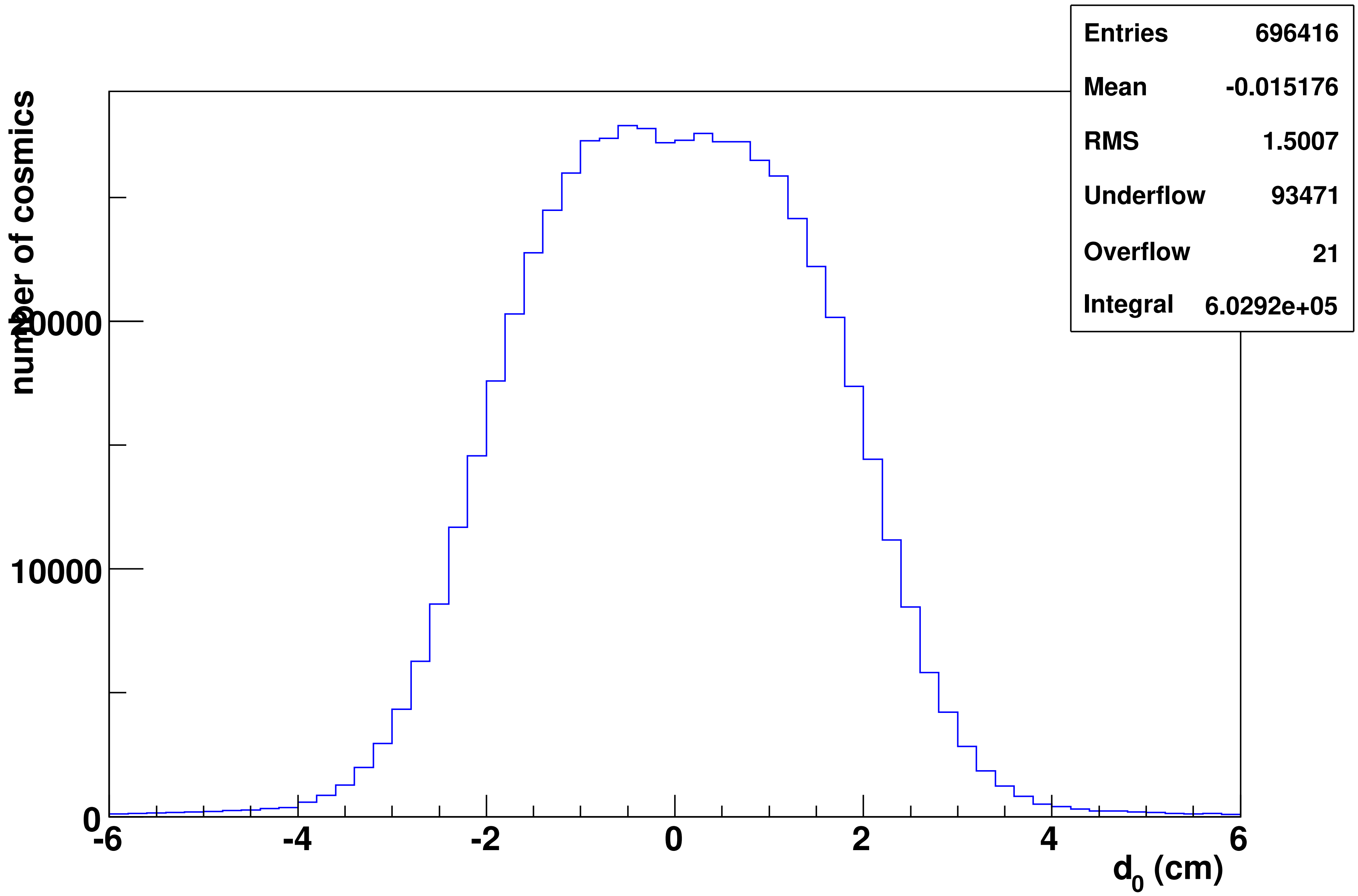
Entries 697060
Mean 1.6898
RMS 0.46309
Underflow 0
Overflow 0
Integral 6.9706e+05
×10^3
muons
400
200
0
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_cosmics


Entries 697060
Mean 2.9597
RMS 1.2106
Underflow 0
Overflow 6.8273e+05
Integral 14328
CPR clusters
6000
4000
2000
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_{CPR}

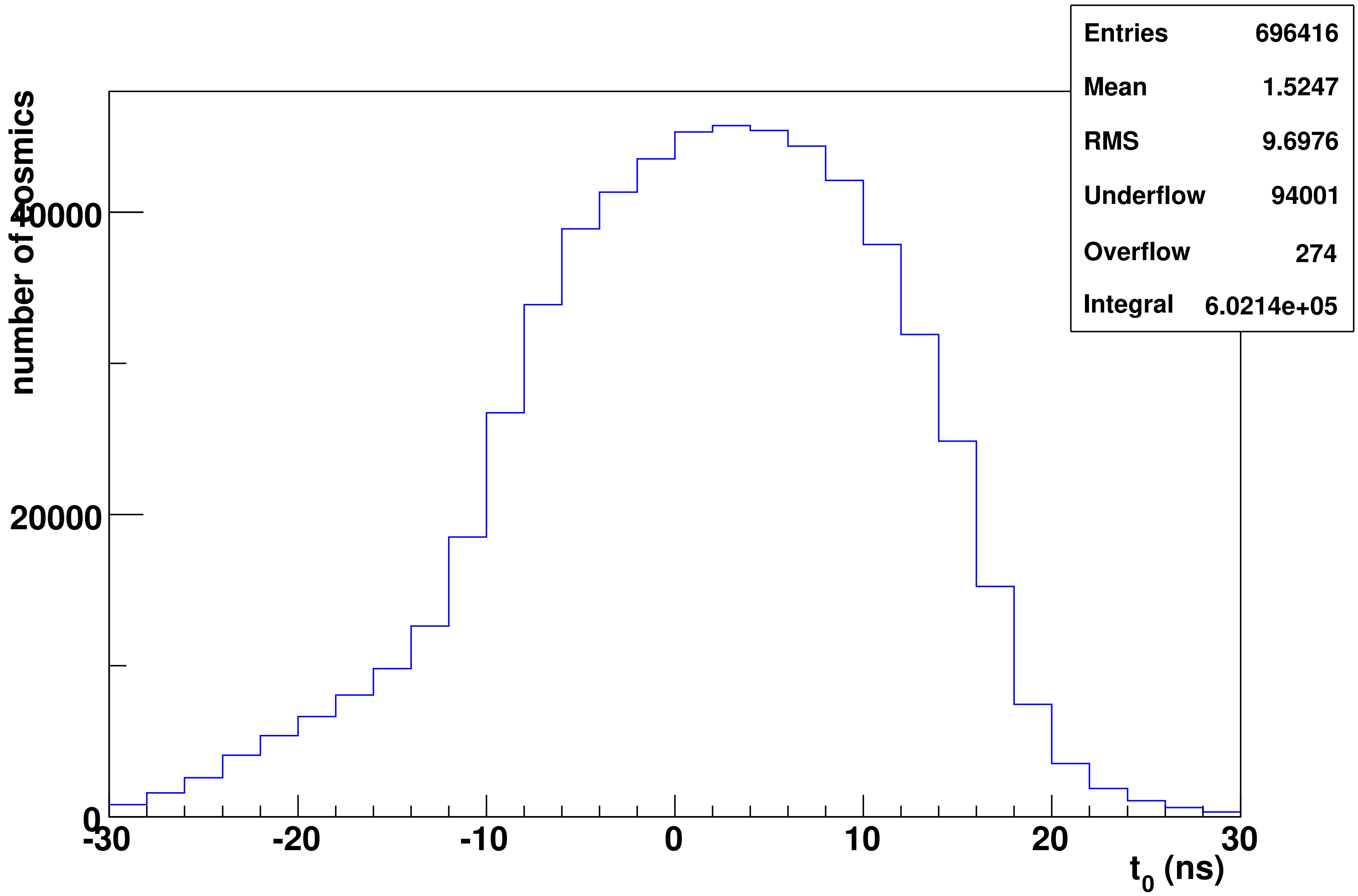


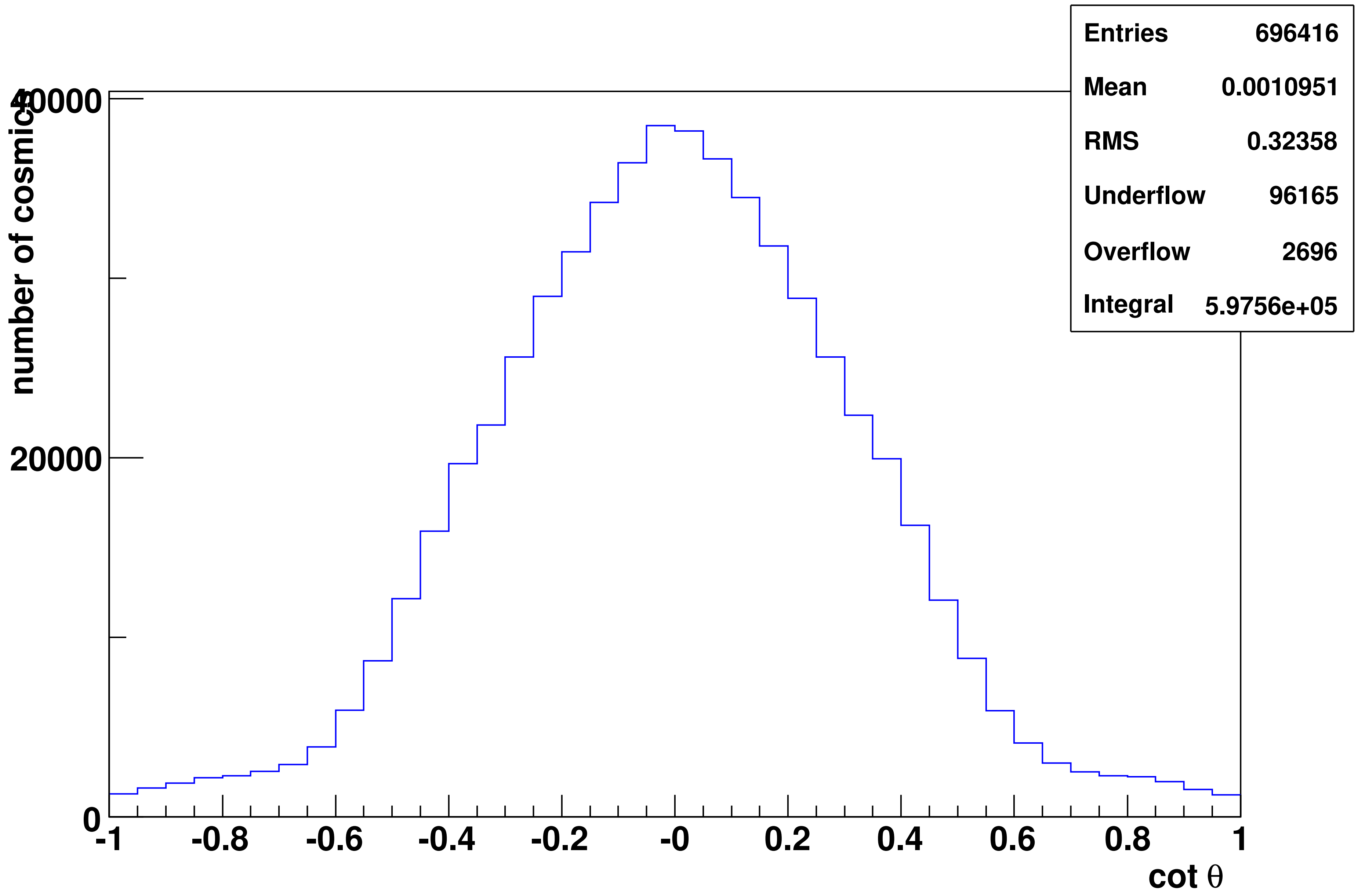
Entries 697060
Mean 0.35716
RMS 0.47138
Underflow 2.3806e+05
Overflow 0
Integral 4.59e+05
×10^3
CPR clusters
0
200
400
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
E_CPR

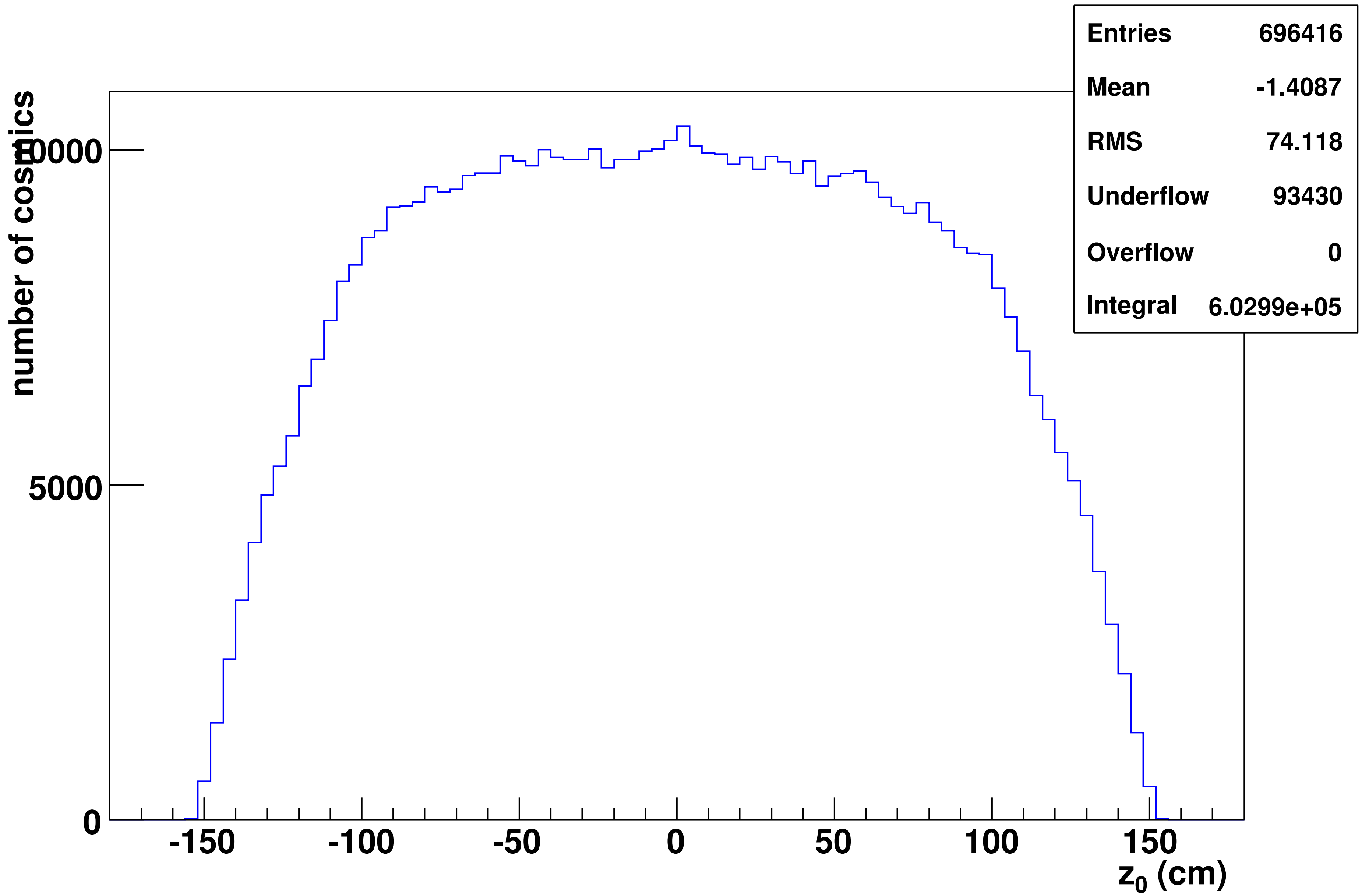

Entries 697060
Mean 3.7731
RMS 0.41884
Underflow 0
Overflow 6.668e+05
Integral 30257
CPR clusters
0
10000
20000
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δx_{CPR}



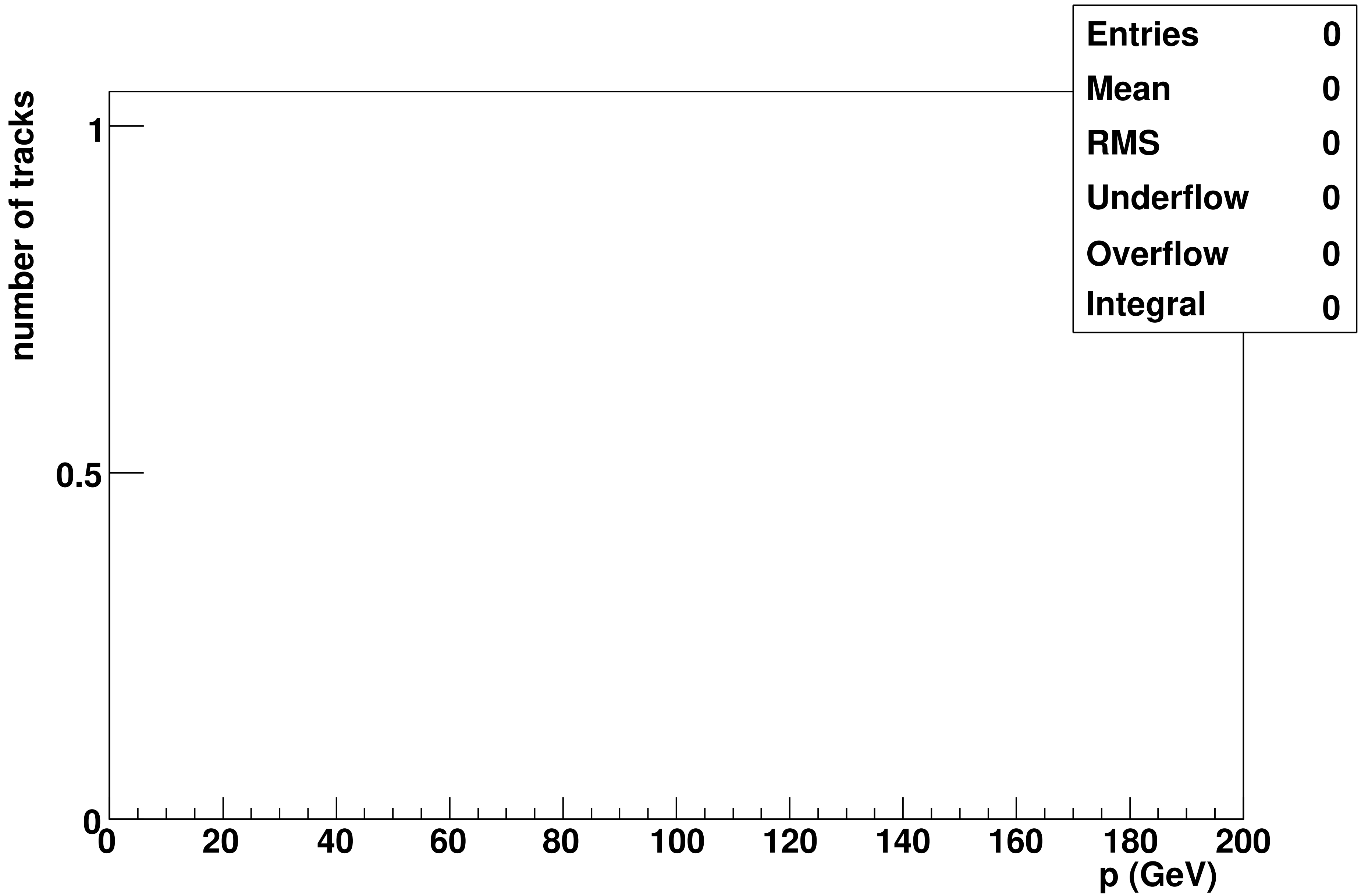
Entries 696416
Mean -0.015176
RMS 1.5007
Underflow 93471
Overflow 21
Integral 6.0292e+05
number of cosmics
0
10000
20000
-6
-4
-2
0
2
4
6
d_0 (cm)


Entries 696416
Mean 1.5247
RMS 9.6976
Underflow 94001
Overflow 274
Integral 6.0214e+05
number of cosmics
40000
20000
0
-30
-20
-10
0
10
20
30
t_0 (ns)

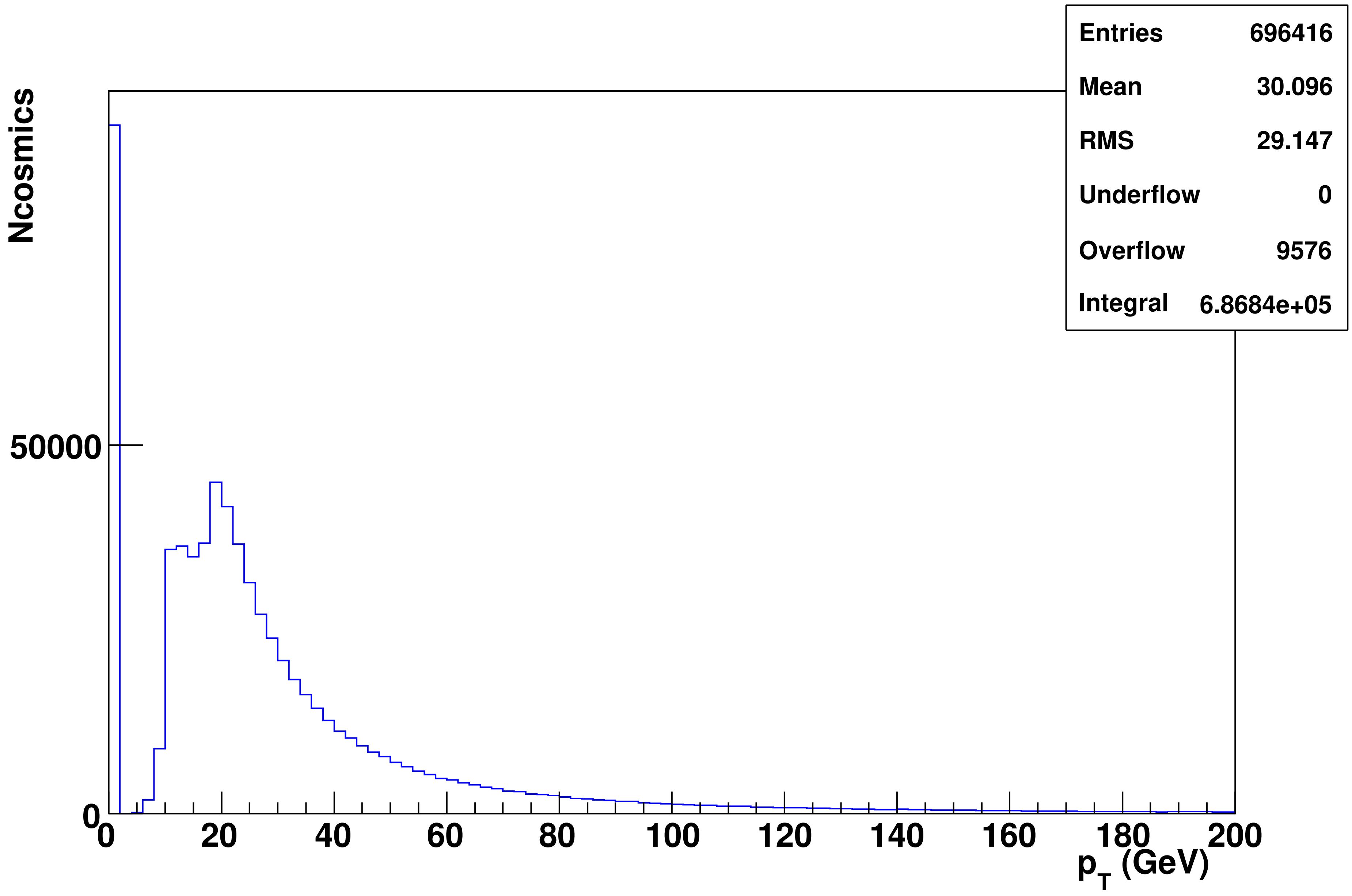

Entries 696416
Mean 0.0010951
RMS 0.32358
Underflow 96165
Overflow 2696
Integral 5.9756e+05
number of cosmics
40000
20000
0
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
cot θ



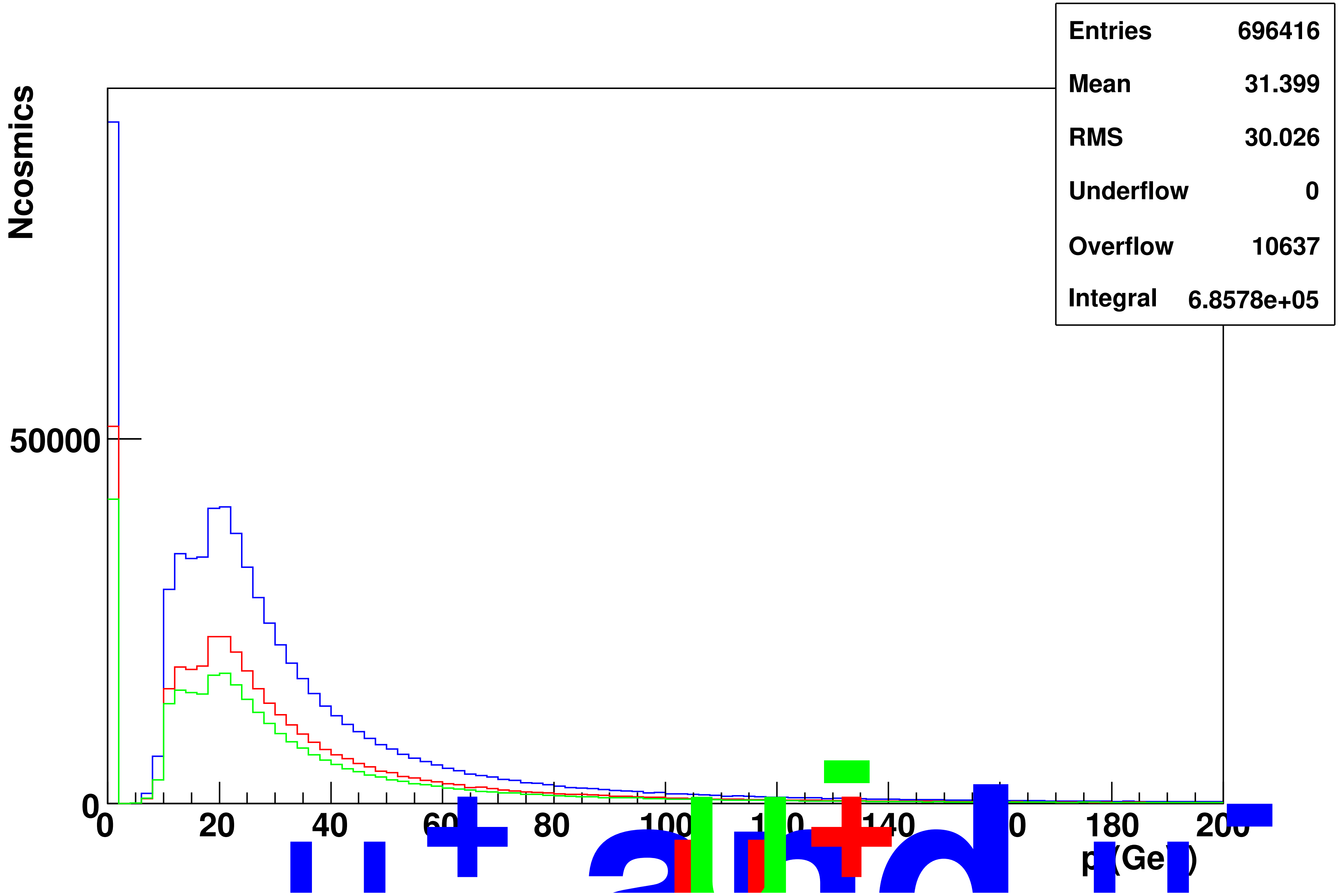
Entries 696416
Mean -1.4087
RMS 74.118
Underflow 93430
Overflow 0
Integral 6.0299e+05
number of cosmics
10000
5000
0
-150
-100
-50
0
50
100
150
z_0 (cm)

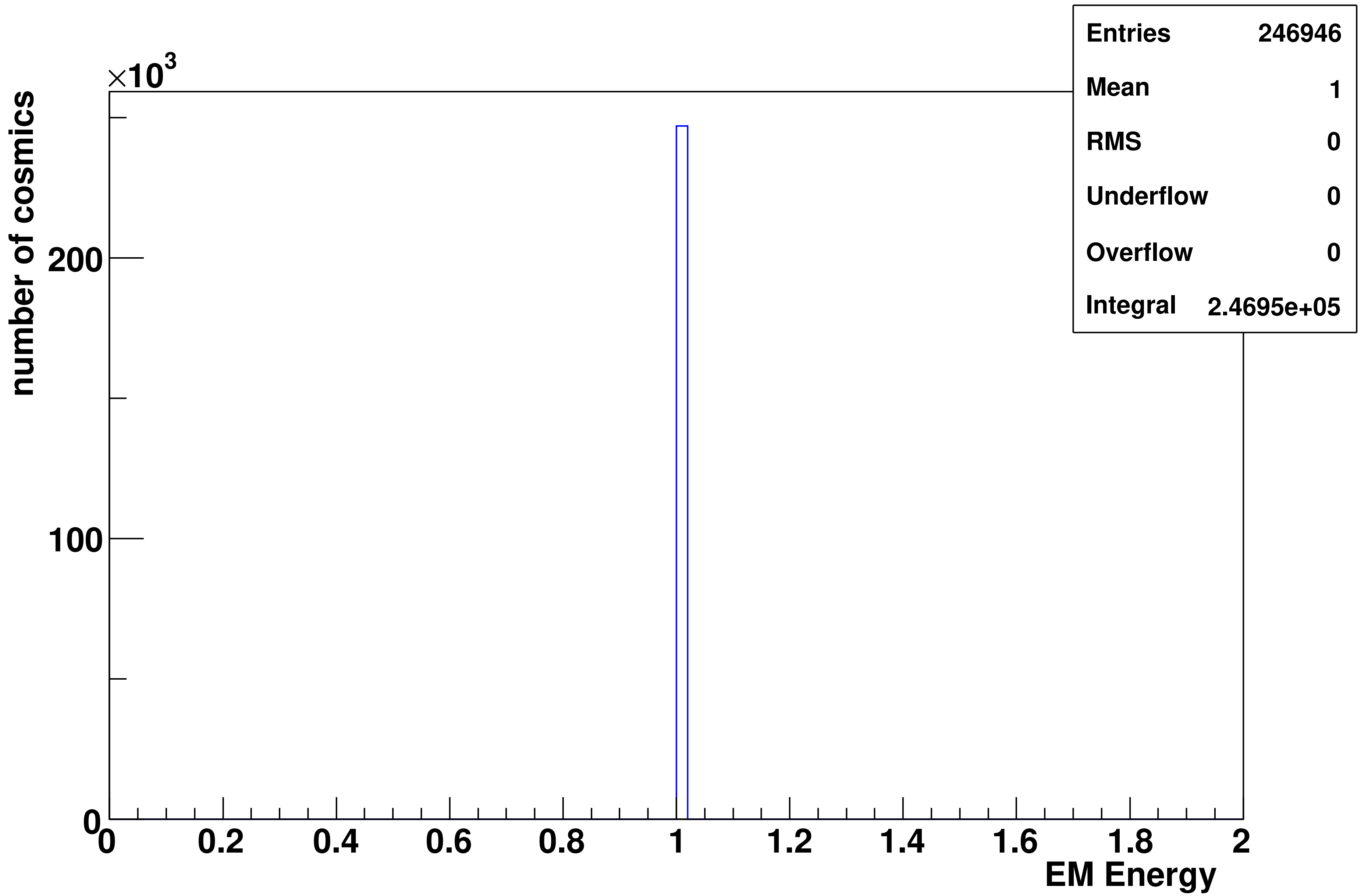


Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
number of tracks
1
0.5
0
0
20
40
60
80
100
120
140
160
180
200
p (GeV)

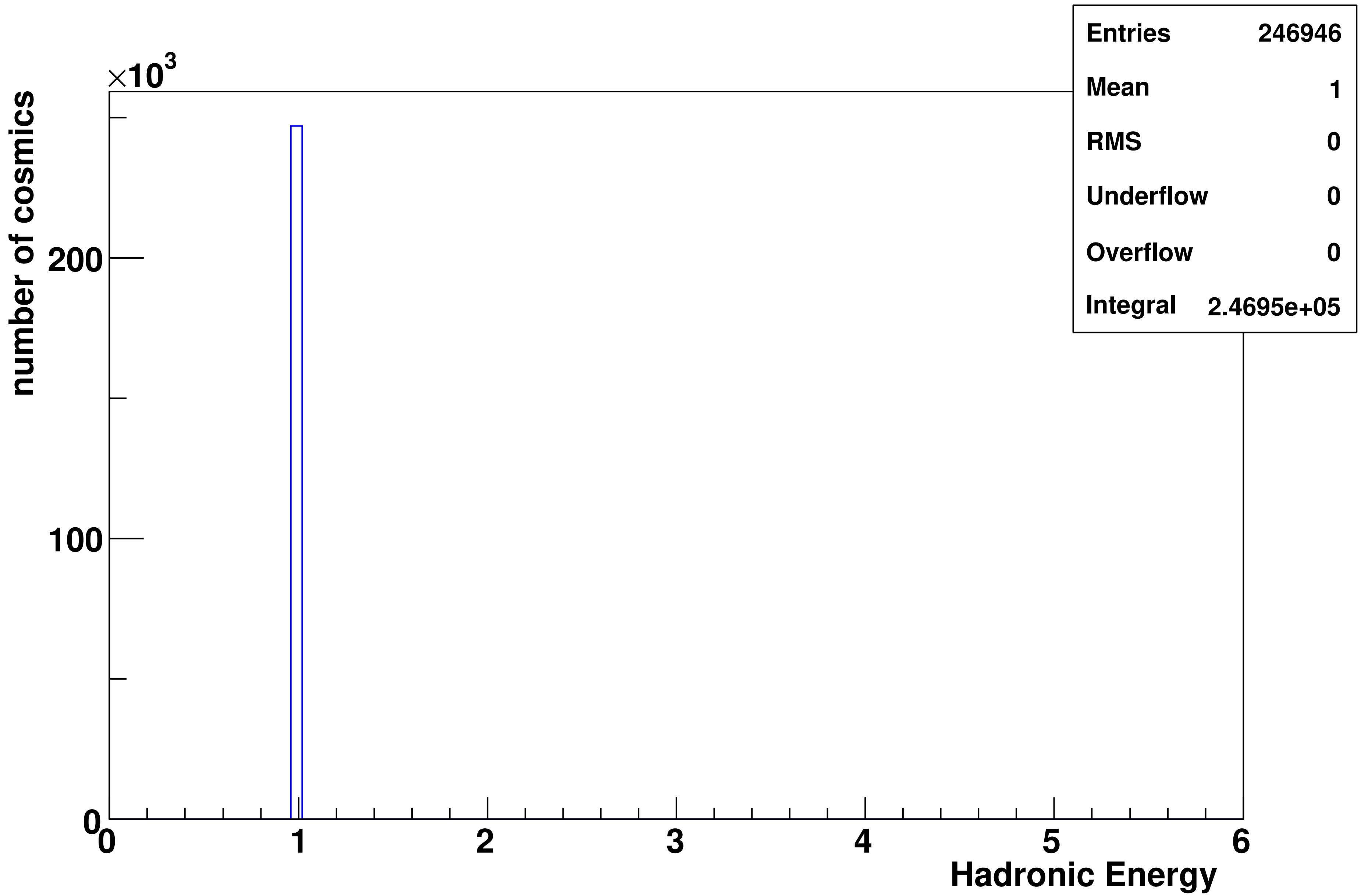


Entries 696416
Mean 30.096
RMS 29.147
Underflow 0
Overflow 9576
Integral 6.8684e+05
Ncosmics
50000
0
0
20
40
60
80
100
120
140
160
180
200
p_T (GeV)

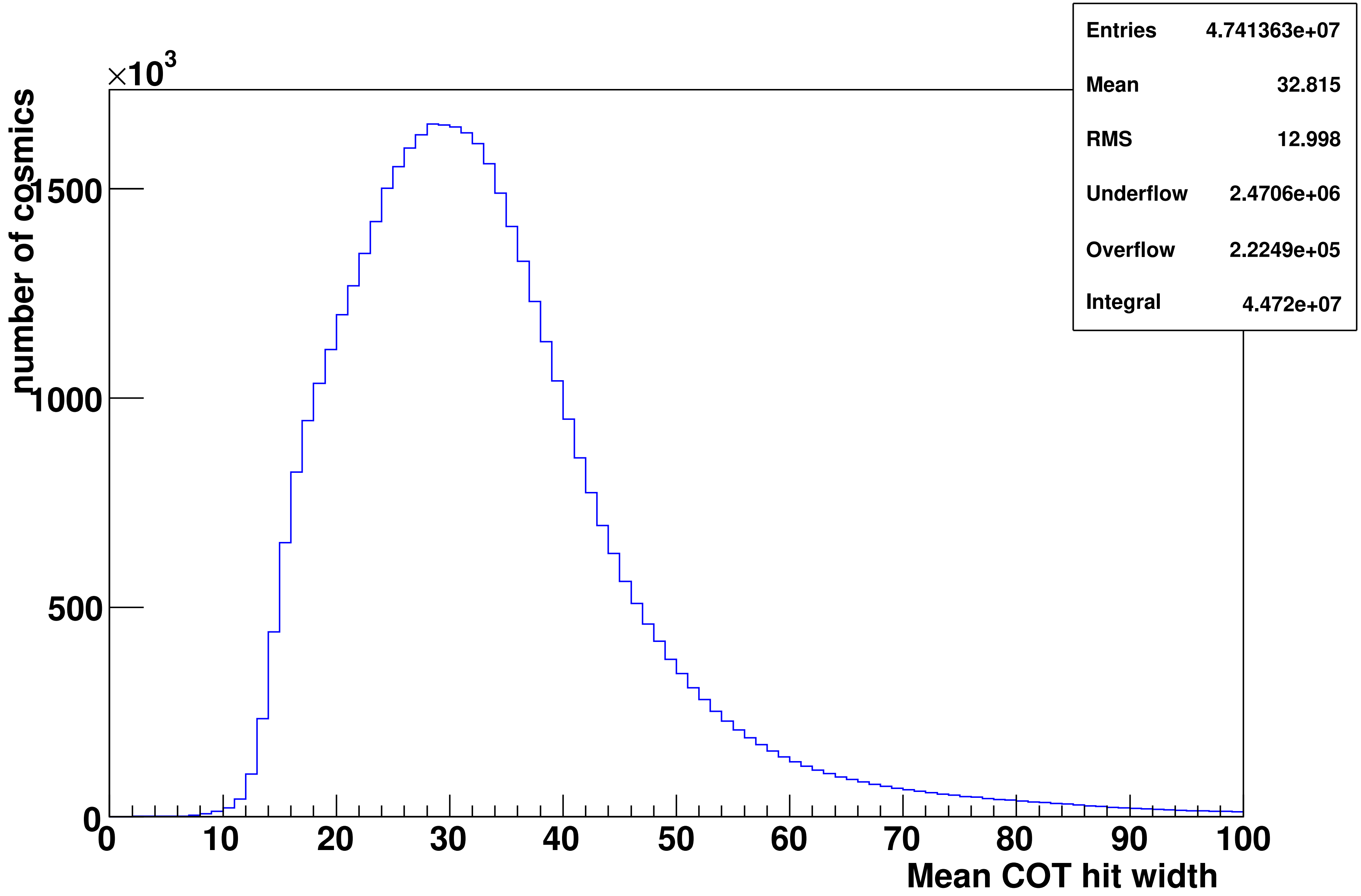

Entries 696416
Mean 31.399
RMS 30.026
Underflow 0
Overflow 10637
Integral 6.8578e+05
Ncosmics
50000
0
0
20
40
80
180
p (GeV)



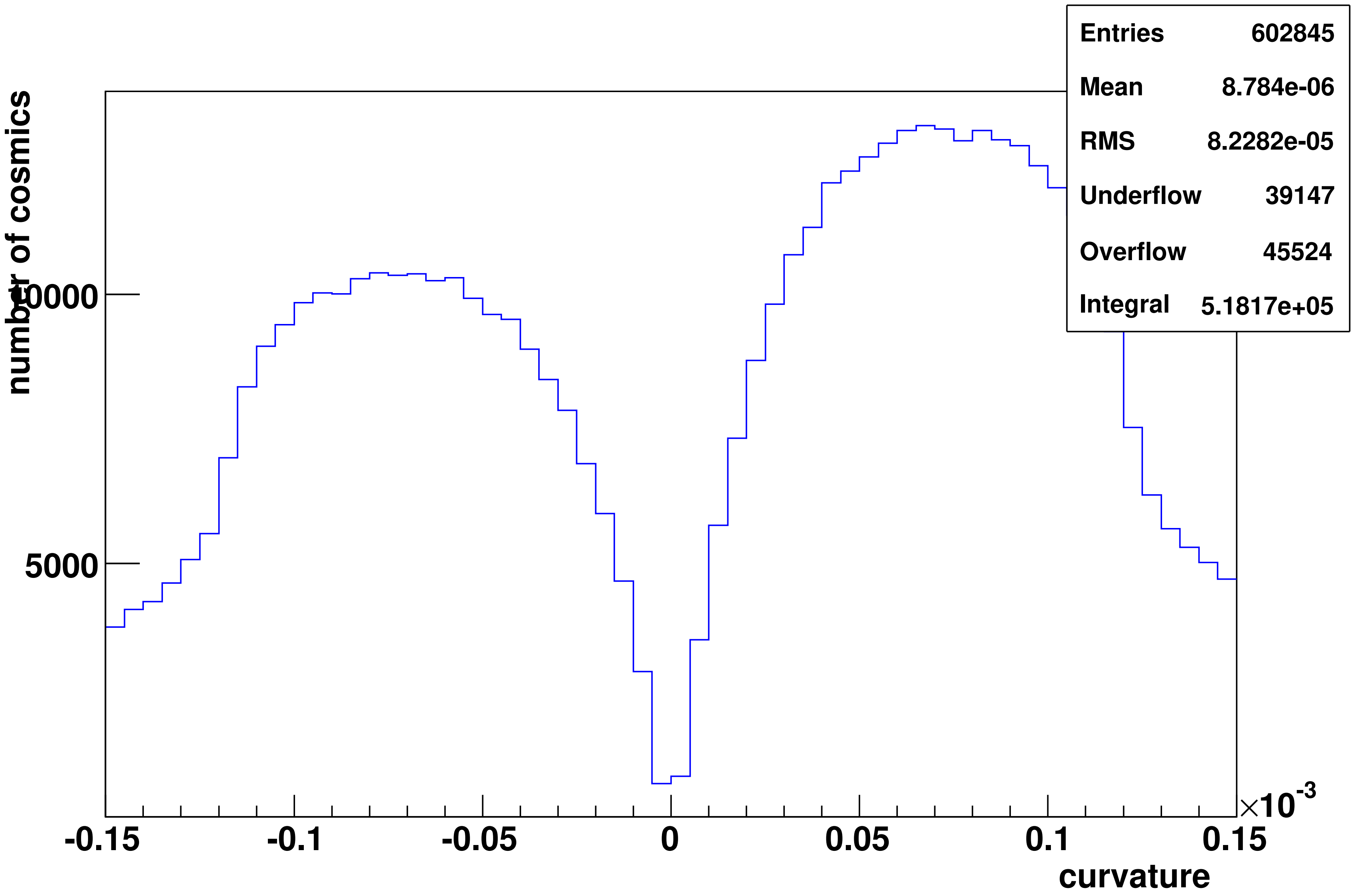
Entries 246946
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.4695e+05
×10^3
number of cosmics
0
100
200
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
EM Energy



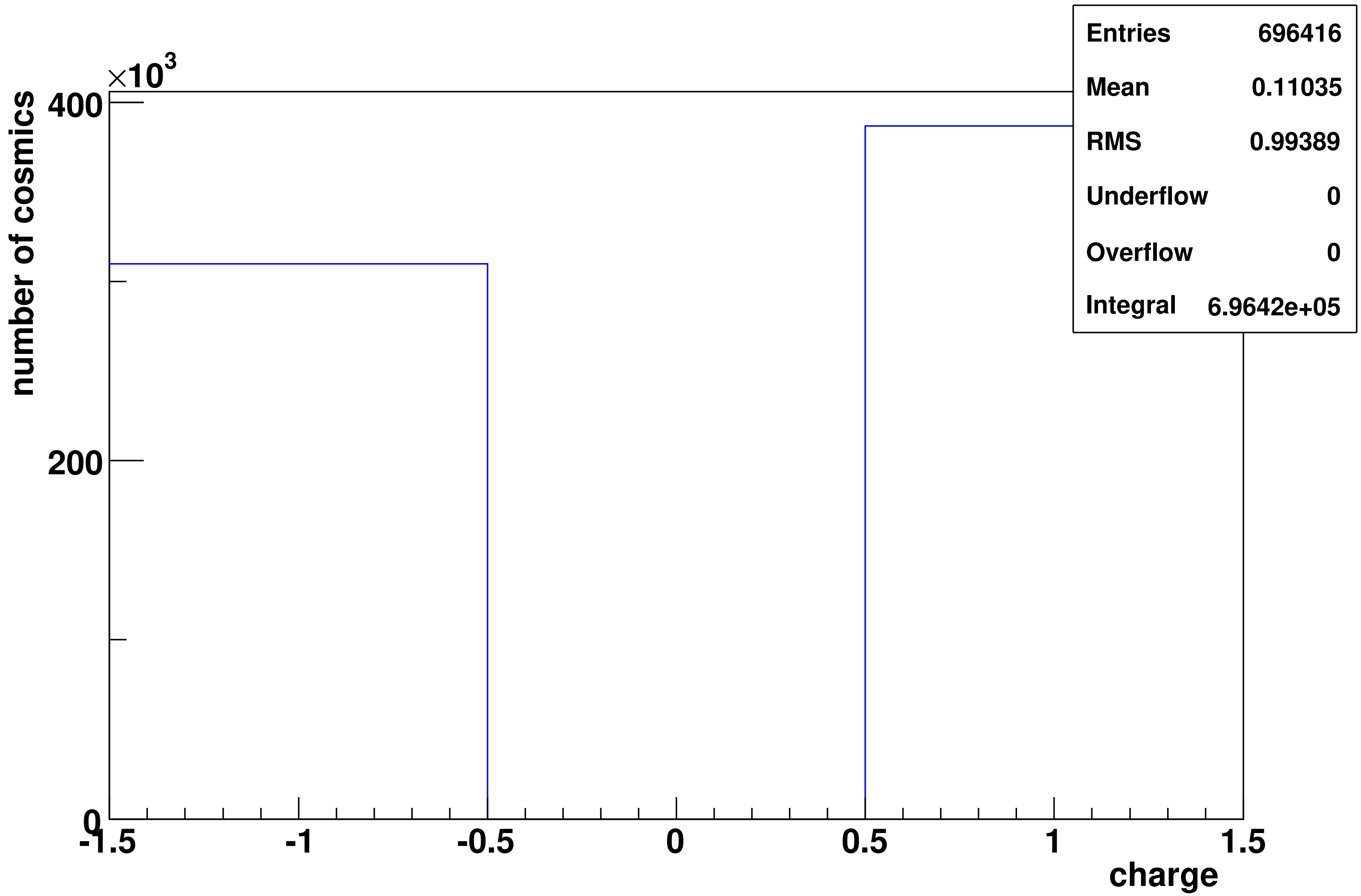
Entries 246946
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.4695e+05
×10^3
number of cosmics
200
100
0
0
1
2
3
4
5
6
Hadronic Energy



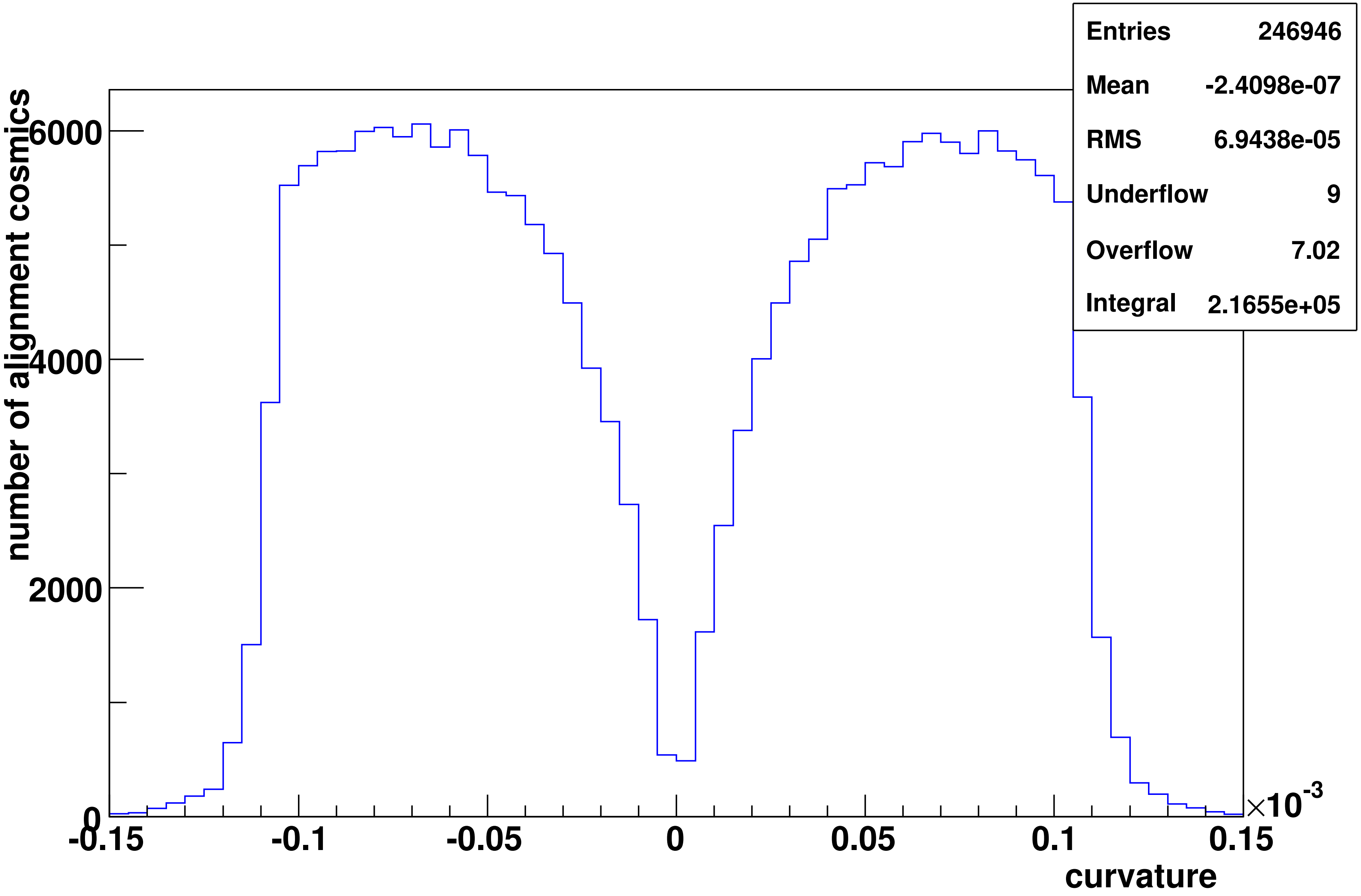
Entries 4.741363e+07
Mean 32.815
RMS 12.998
Underflow 2.4706e+06
Overflow 2.2249e+05
Integral 4.472e+07
×10^3
number of cosmics
0
500
1000
1500
0 10 20 30 40 50 60 70 80 90 100
Mean COT hit width



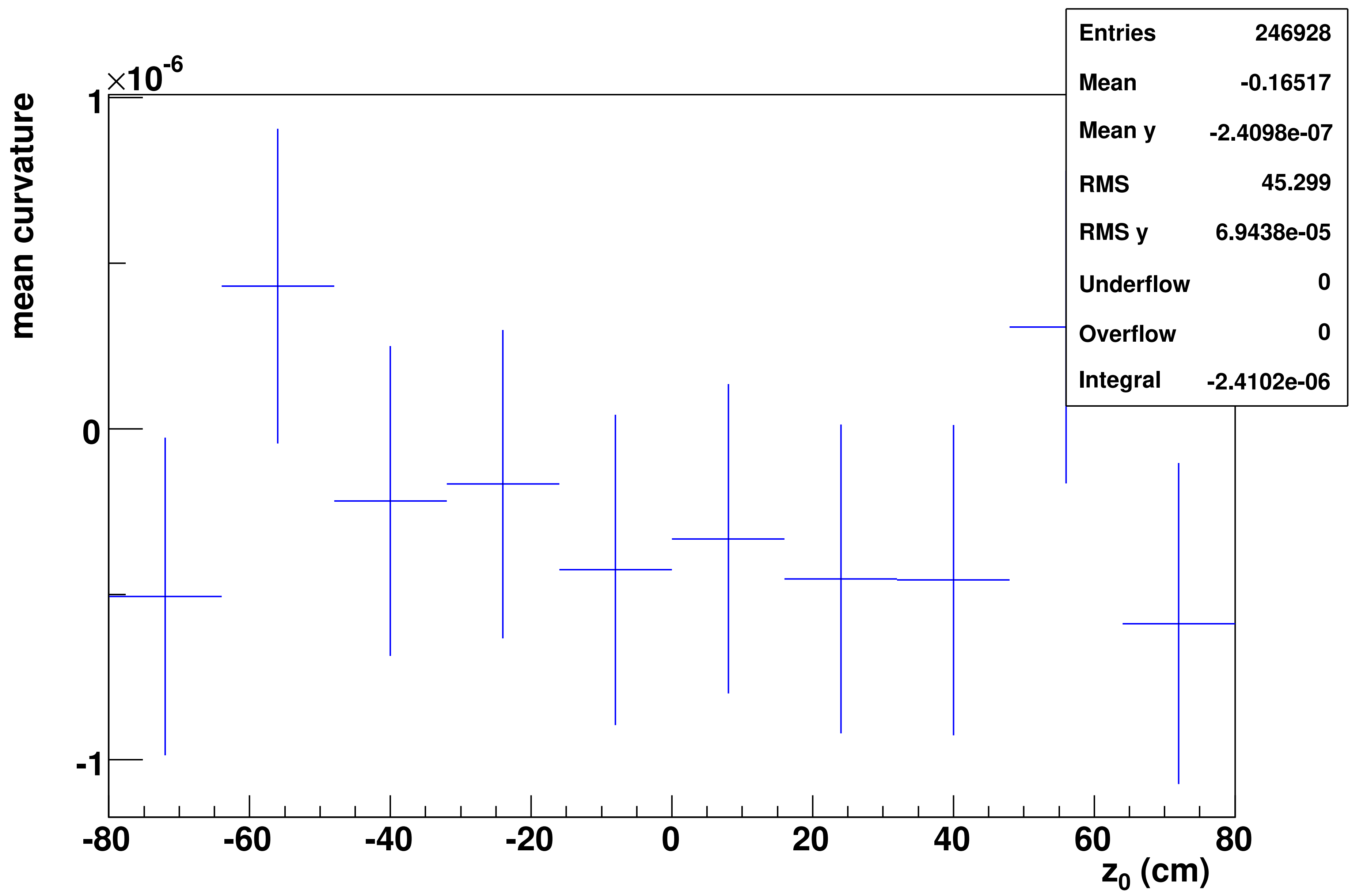
Entries 602845
Mean 8.784e-06
RMS 8.2282e-05
Underflow 39147
Overflow 45524
Integral 5.1817e+05
number of cosmics
10000
5000
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
$\times 10^{-3}$
curvature



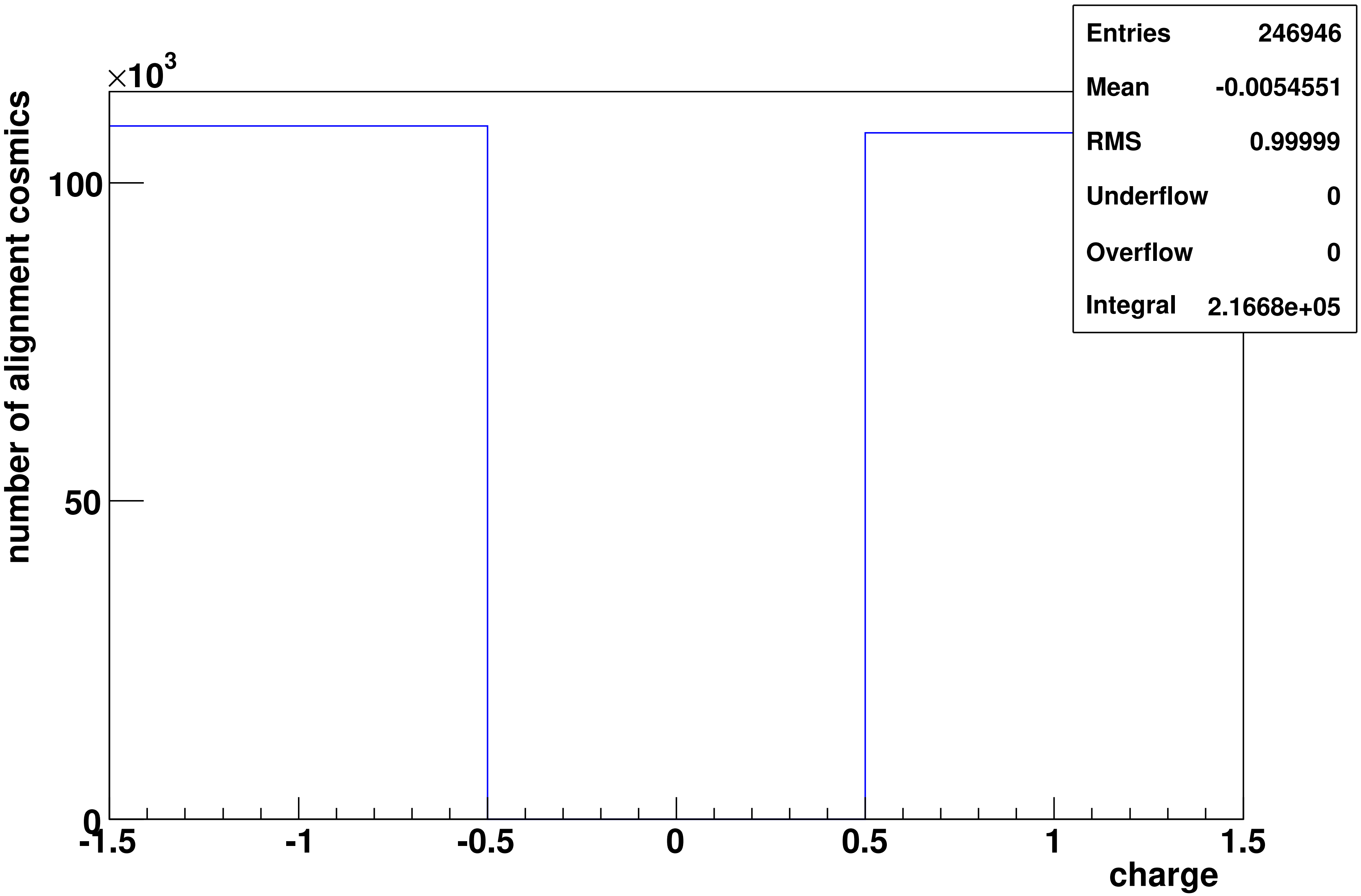
Entries 696416
Mean 0.11035
RMS 0.99389
Underflow 0
Overflow 0
Integral 6.9642e+05
×10³
400
200
0
number of cosmics
-1.5
-1
-0.5
0
0.5
1
1.5
charge



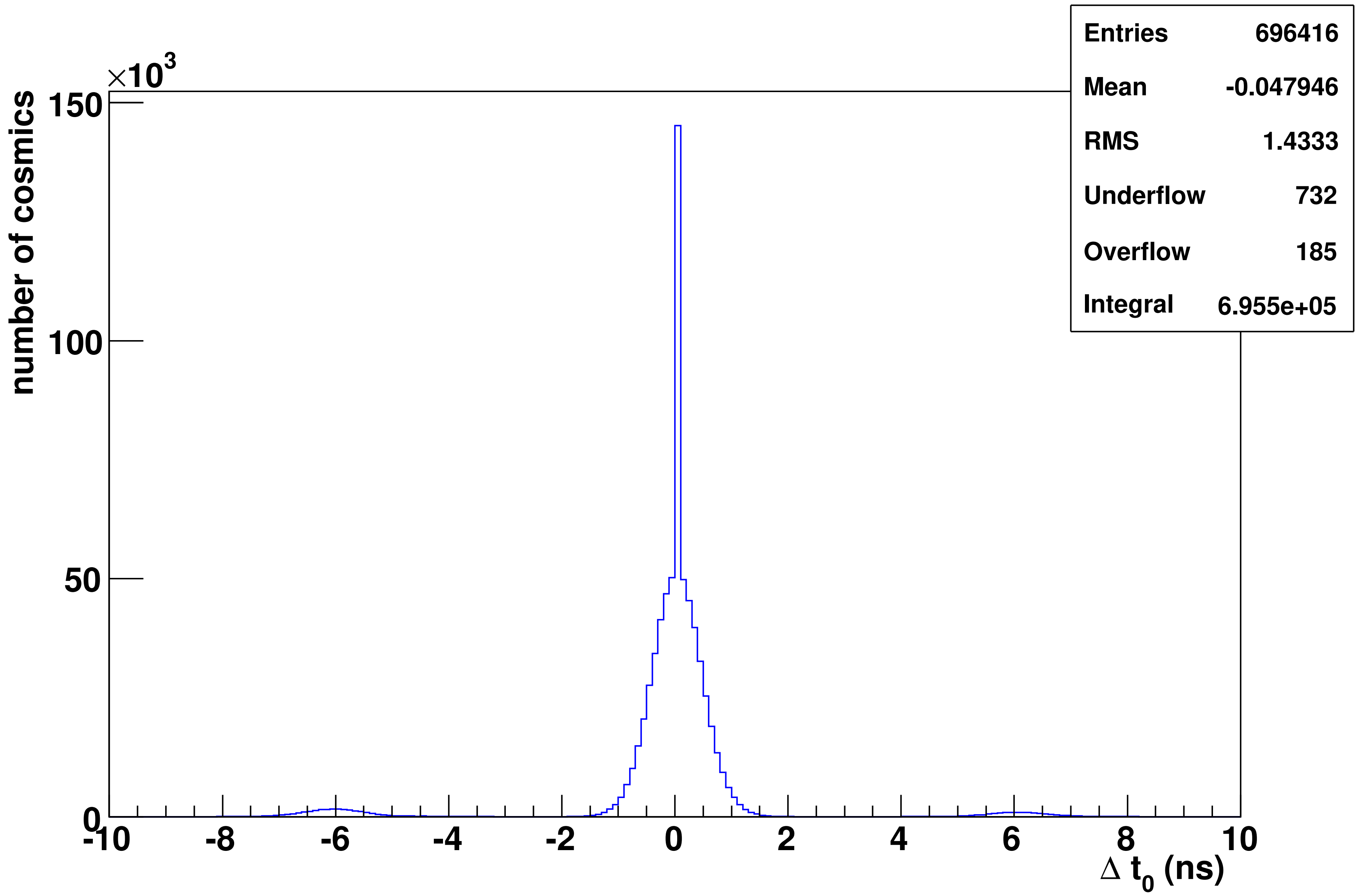
Entries 246946
Mean -2.4098e-07
RMS 6.9438e-05
Underflow 9
Overflow 7.02
Integral 2.1655e+05
number of alignment cosmics
6000
4000
2000
0
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
×10^-3
curvature



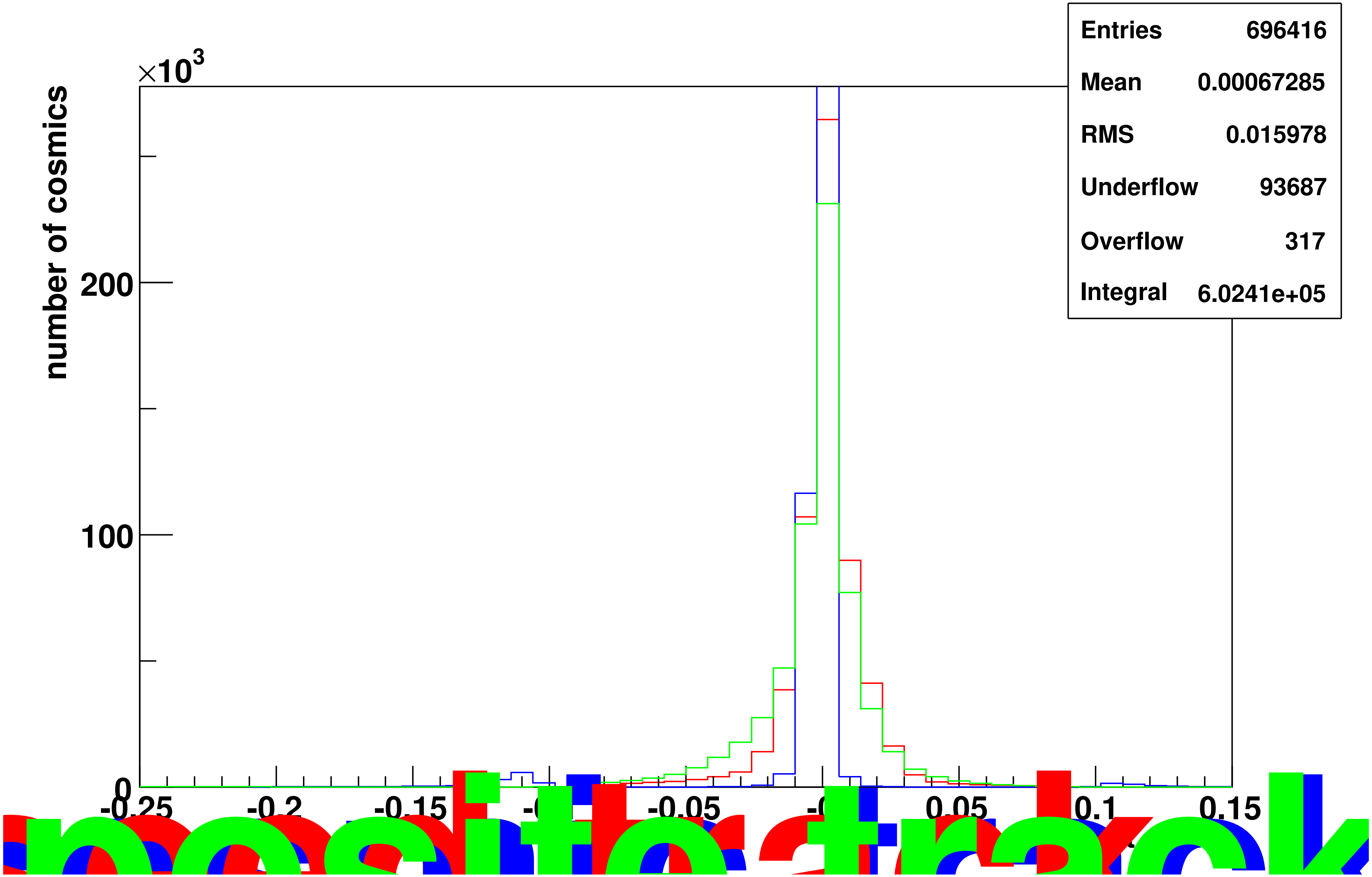
Entries 246928
Mean -0.16517
Mean y -2.4098e-07
RMS 45.299
RMS y 6.9438e-05
Underflow 0
Overflow 0
Integral -2.4102e-06
mean curvature
×10^-6
1
0
-1
-80
-60
-40
-20
0
20
40
60
80
z0 (cm)

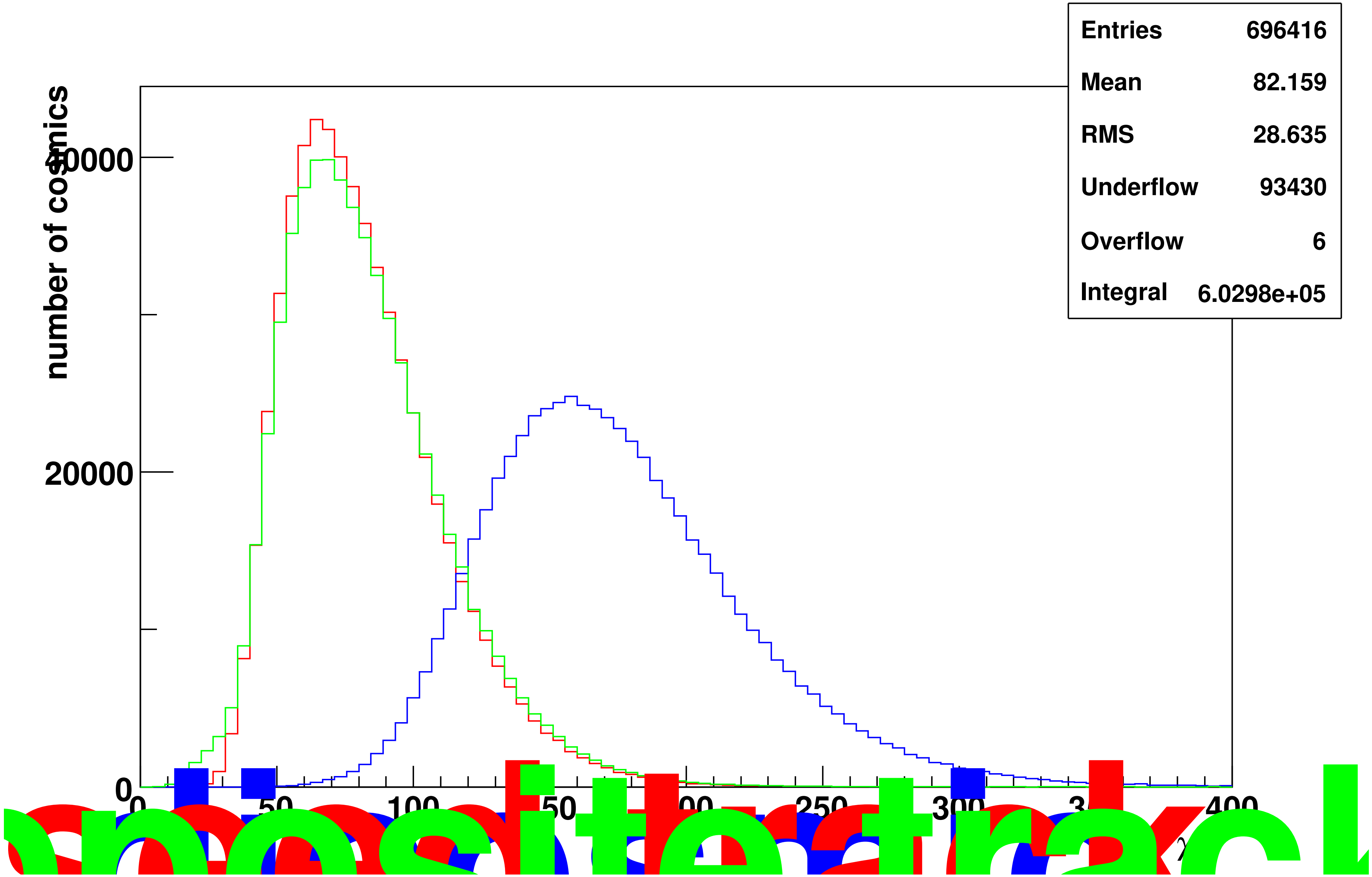


Entries 246946
Mean -0.0054551
RMS 0.99999
Underflow 0
Overflow 0
Integral 2.1668e+05
×10³
100
50
0
-1.5
-1
-0.5
0
0.5
1
1.5
charge
number of alignment cosmics

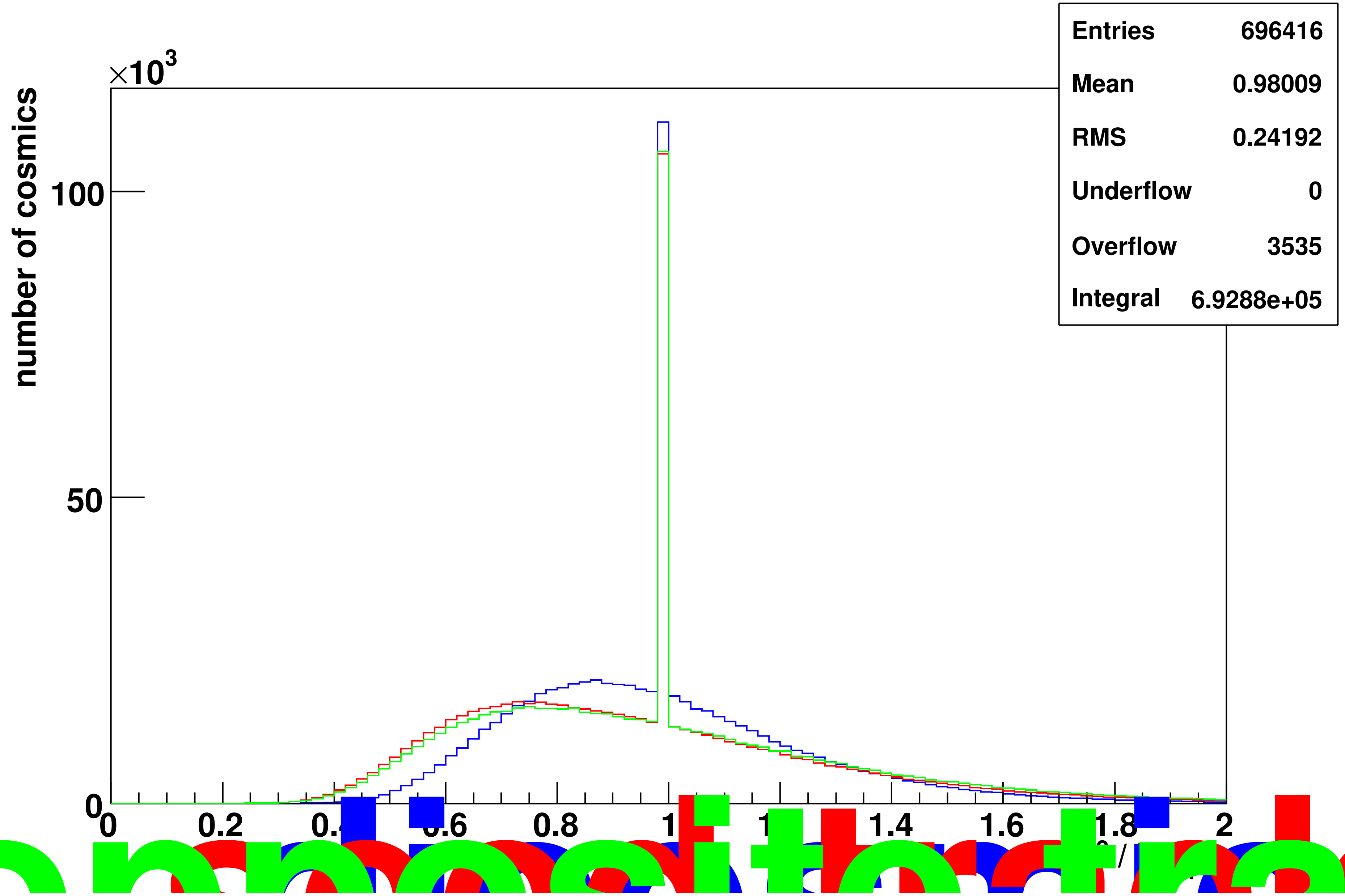


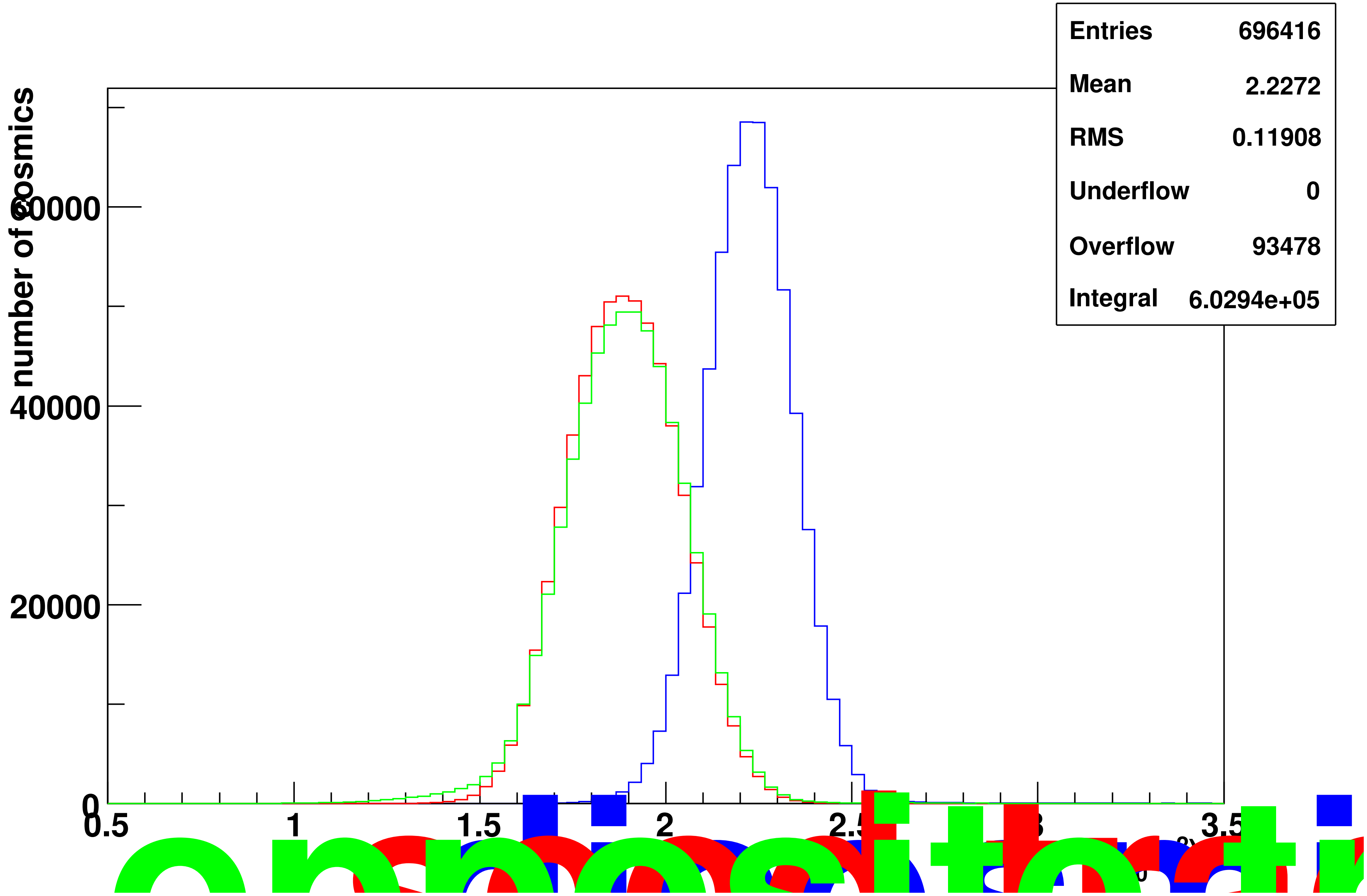
Entries 696416
Mean -0.047946
RMS 1.4333
Underflow 732
Overflow 185
Integral 6.955e+05
number of cosmics
×10^3
150
100
50
0
-10
-8
-6
-4
-2
0
2
4
6
8
10
Δ t_0 (ns)


Entries 696416
Mean 0.00067285
RMS 0.015978
Underflow 93687
Overflow 317
Integral 6.0241e+05
number of cosmics
×10^3
200
100
0
-0.25
-0.2
-0.15
-0.05
0.05
0.1
0.15

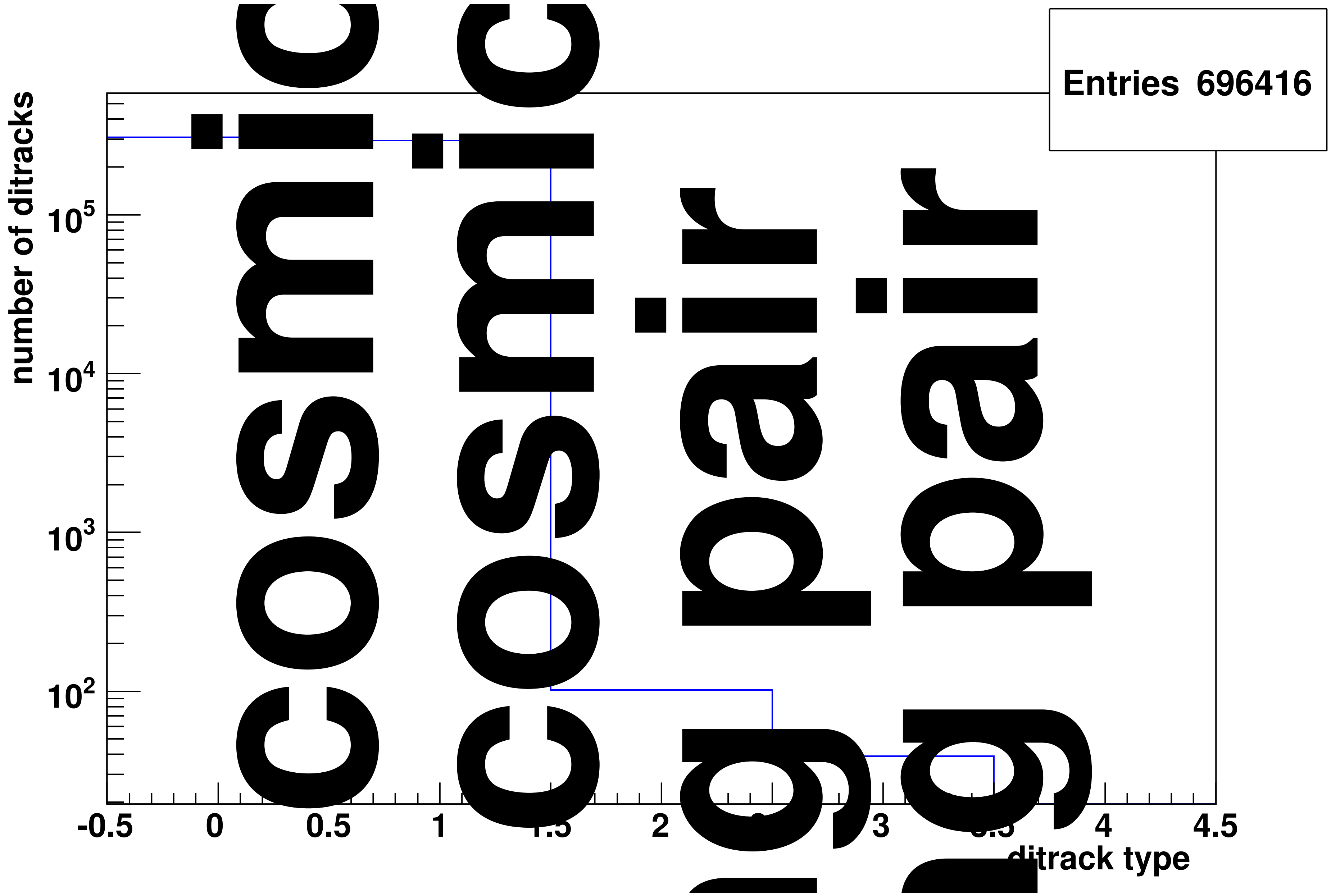


Entries 696416
Mean 82.159
RMS 28.635
Underflow 93430
Overflow 6
Integral 6.0298e+05
number of cosmics
0
20000
40000
0
50
100
250
400

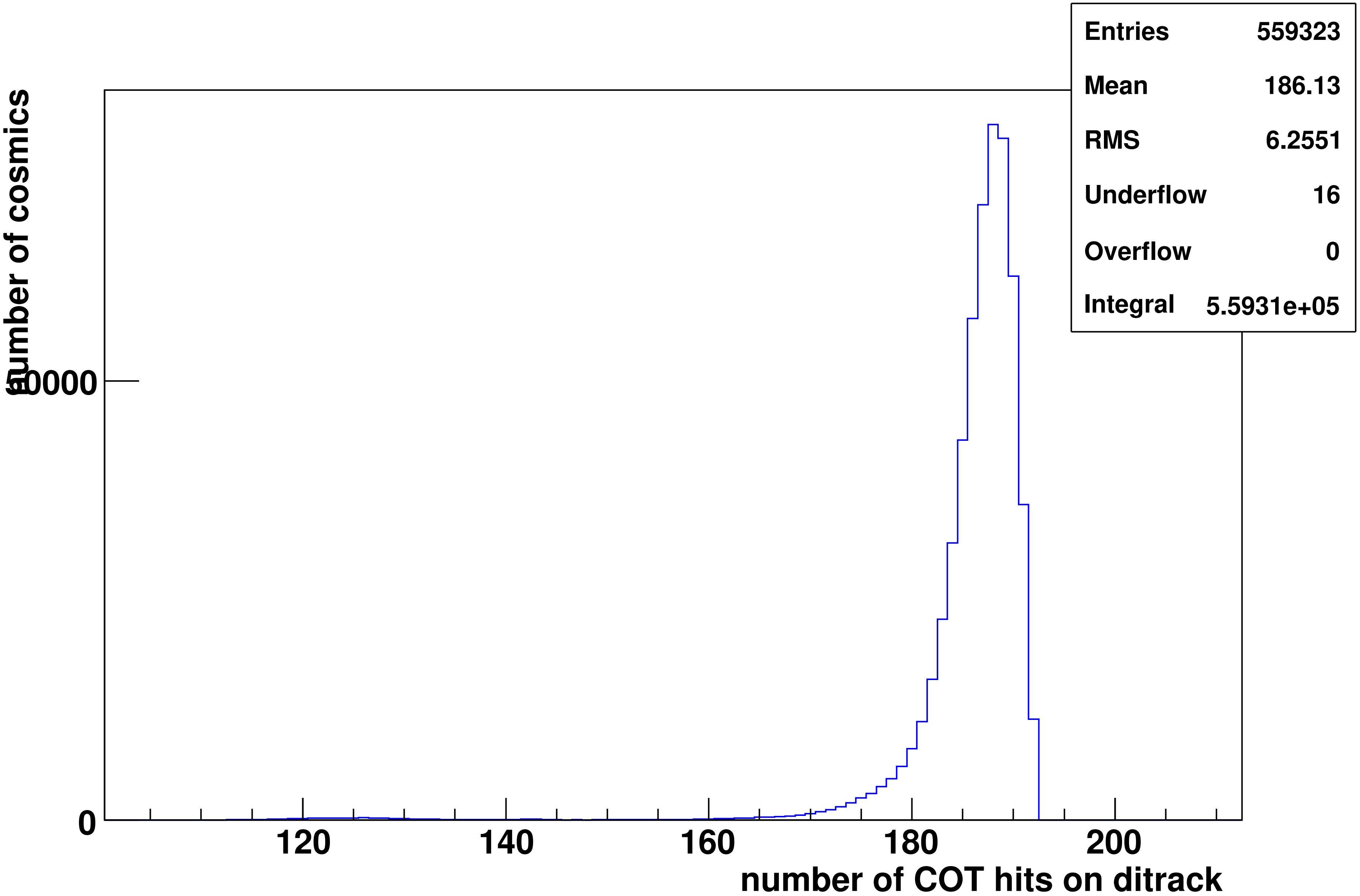

Entries 696416
Mean 0.98009
RMS 0.24192
Underflow 0
Overflow 3535
Integral 6.9288e+05
number of cosmics
×10^3
100
50
0
0
0.2
0.8
1
1.4
1.6
1.8
2



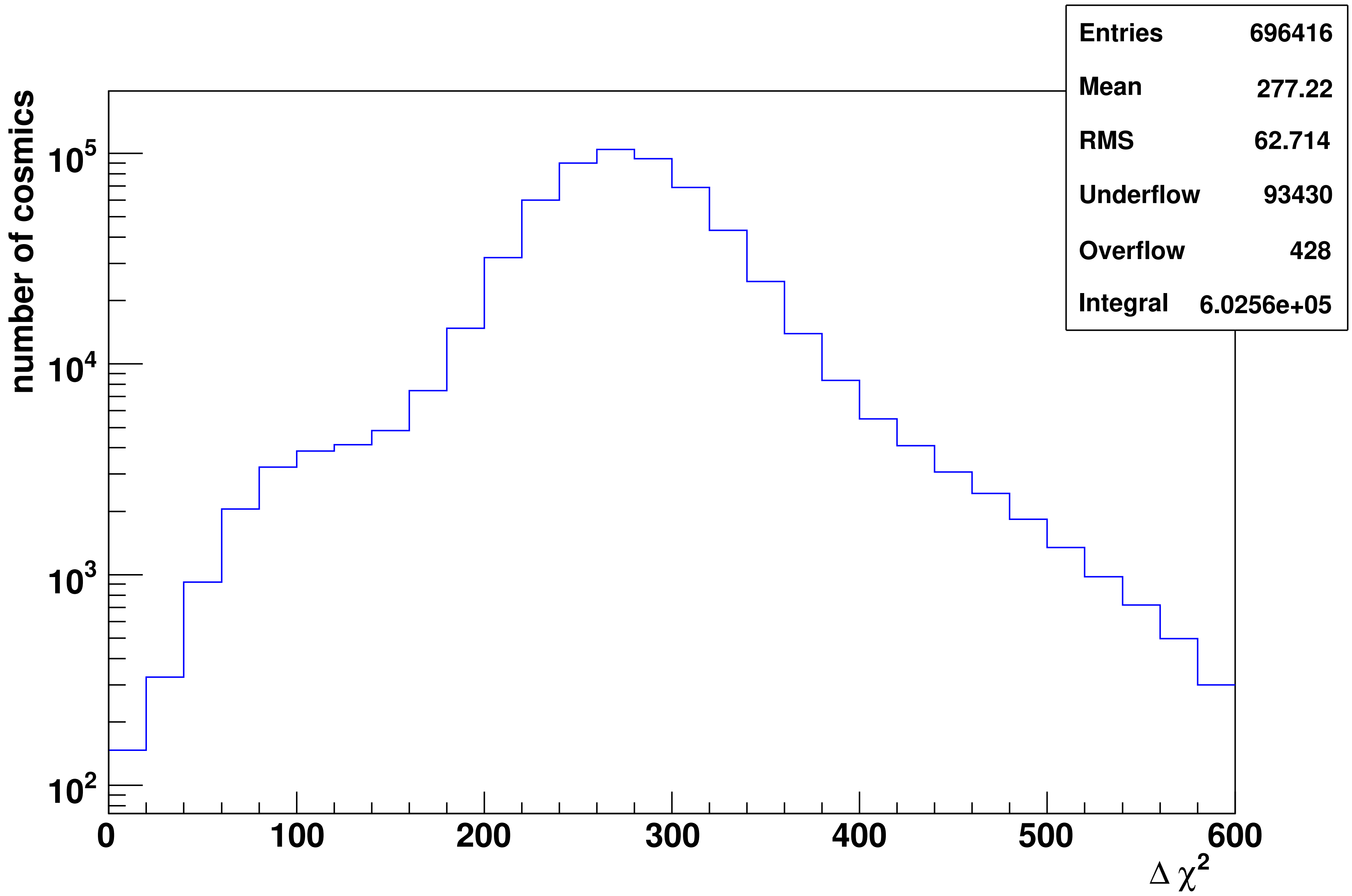
Entries 696416
Mean 2.2272
RMS 0.11908
Underflow 0
Overflow 93478
Integral 6.0294e+05
number of cosmics
0
20000
40000
60000
0.5
1
1.5
2
3.5



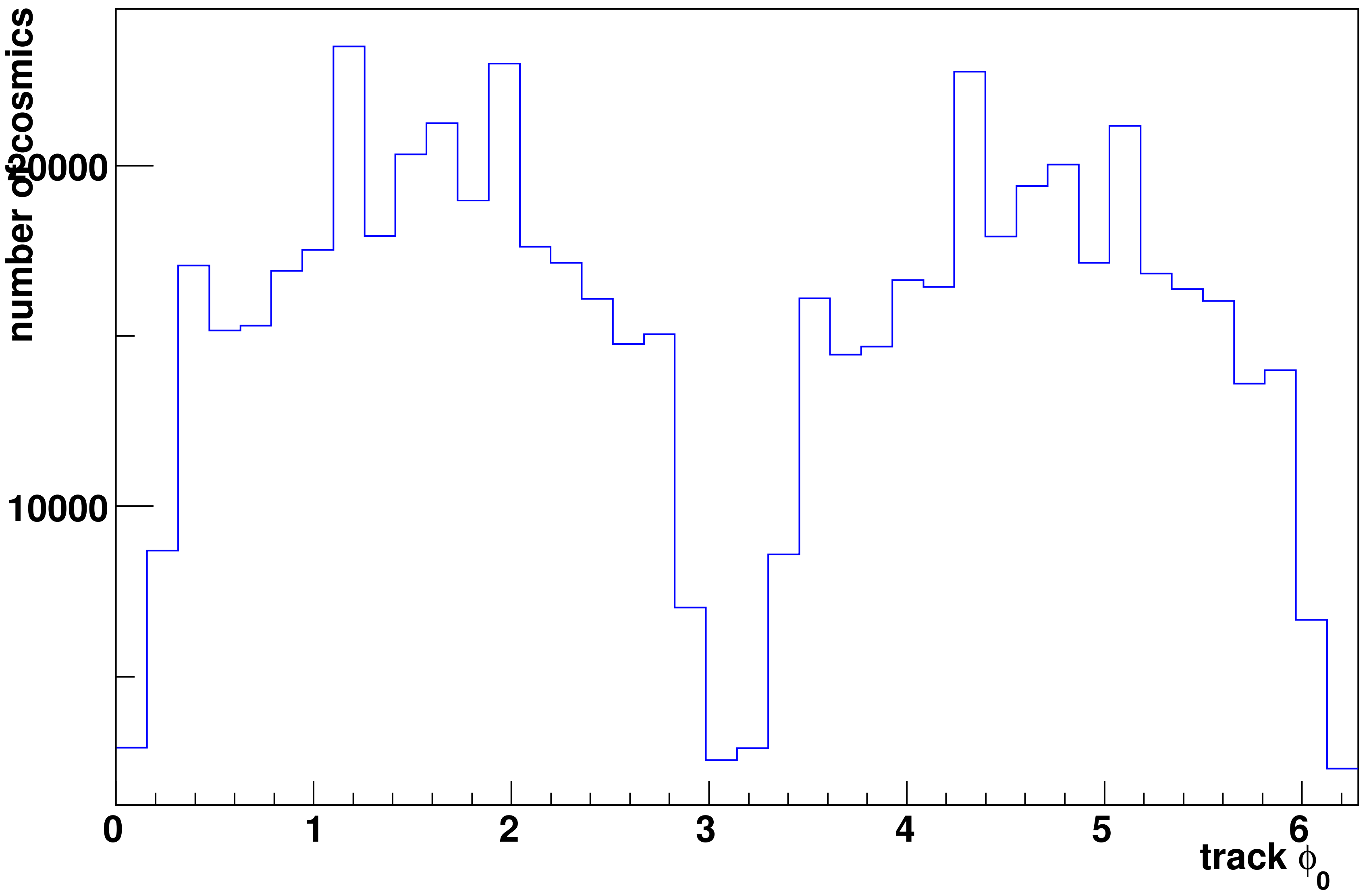
Entries 696416
number of ditracks
10^5
10^4
10^3
10^2
-0.5
0
0.5
1
2
3
4
4.5
ditrack type
cosmic
cosmic



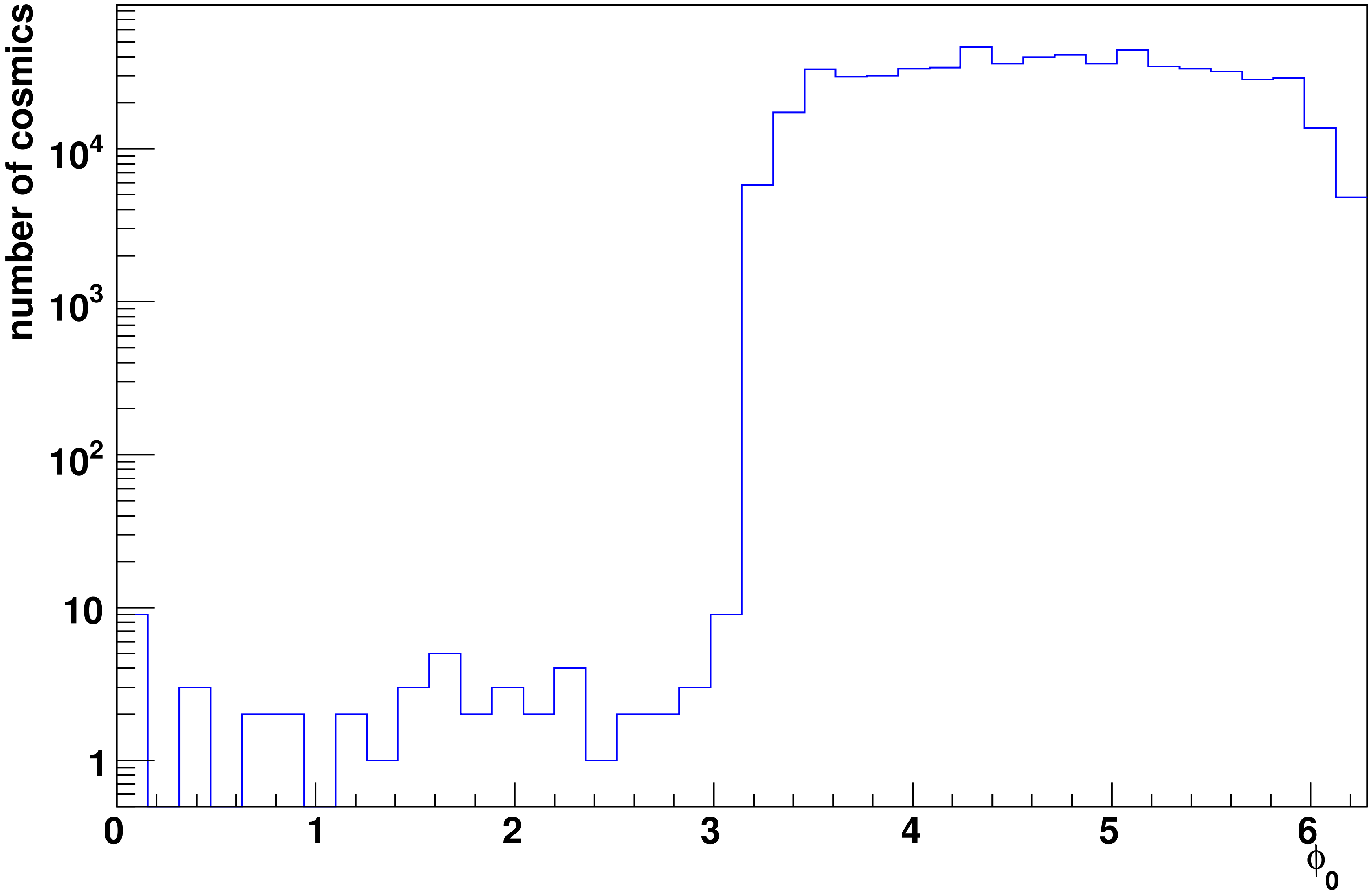
Entries 559323
Mean 186.13
RMS 6.2551
Underflow 16
Overflow 0
Integral 5.5931e+05
number of cosmics
10000
0
120
140
160
180
200
number of COT hits on ditrack



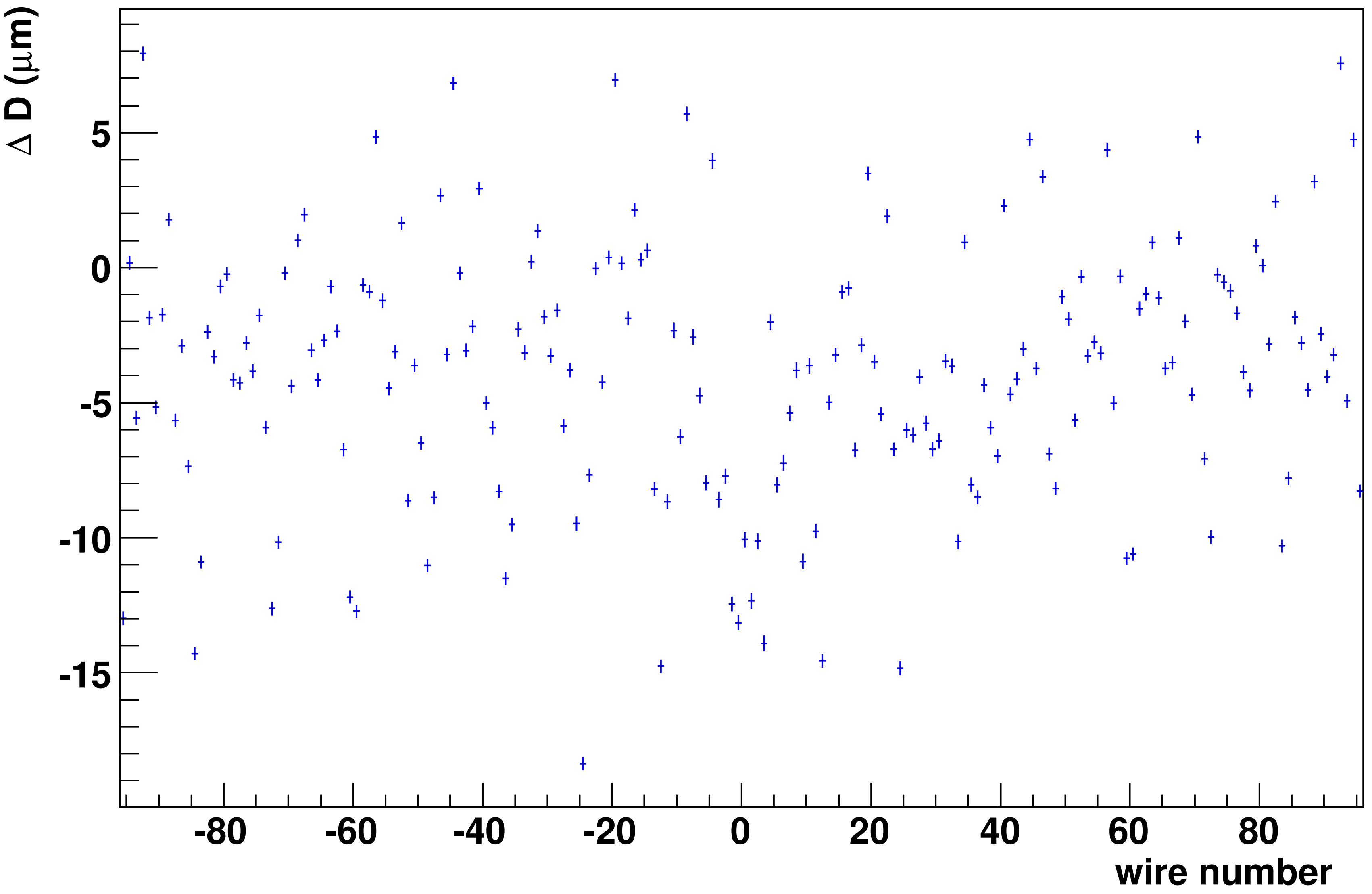
Entries 696416
Mean 277.22
RMS 62.714
Underflow 93430
Overflow 428
Integral 6.0256e+05
number of cosmics
10^5
10^4
10^3
10^2
0
100
200
300
400
500
600
$\Delta\,\chi^2$



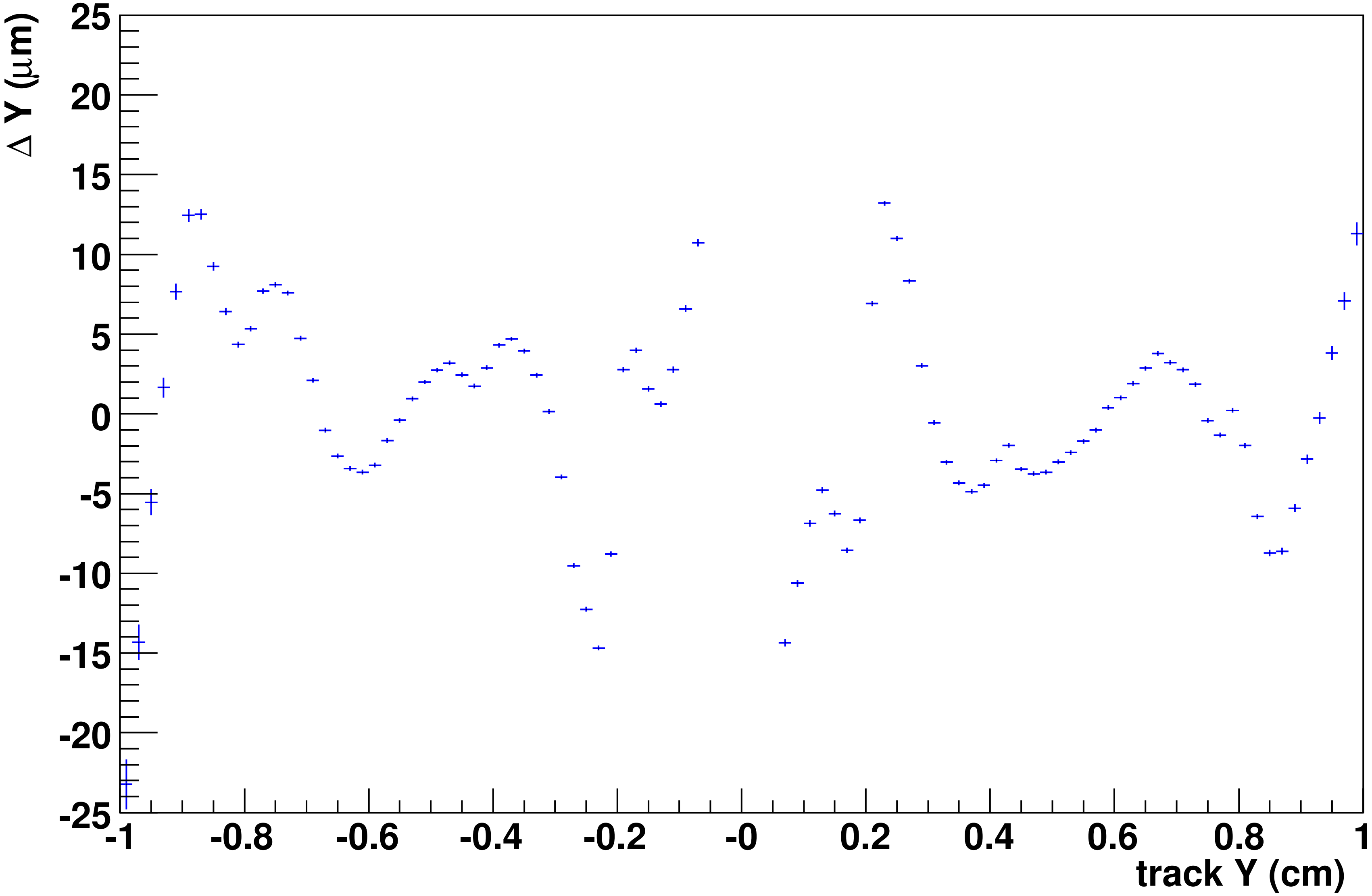
number of cosmics
20000
10000
0
1
2
3
4
5
6
track ϕ_0



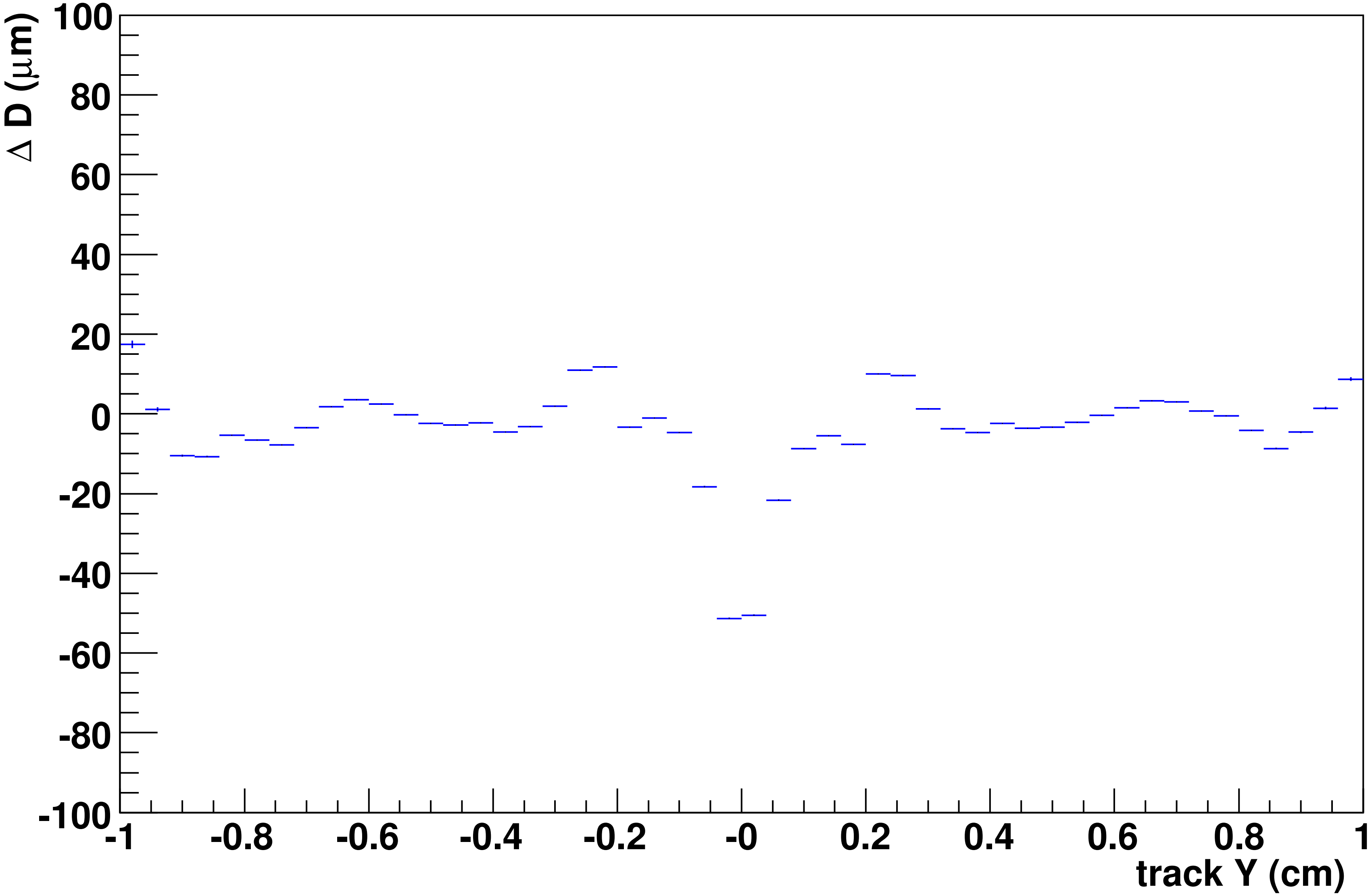
number of cosmics
10^4
10^3
10^2
10
1
0
1
2
3
4
5
6
ϕ_0



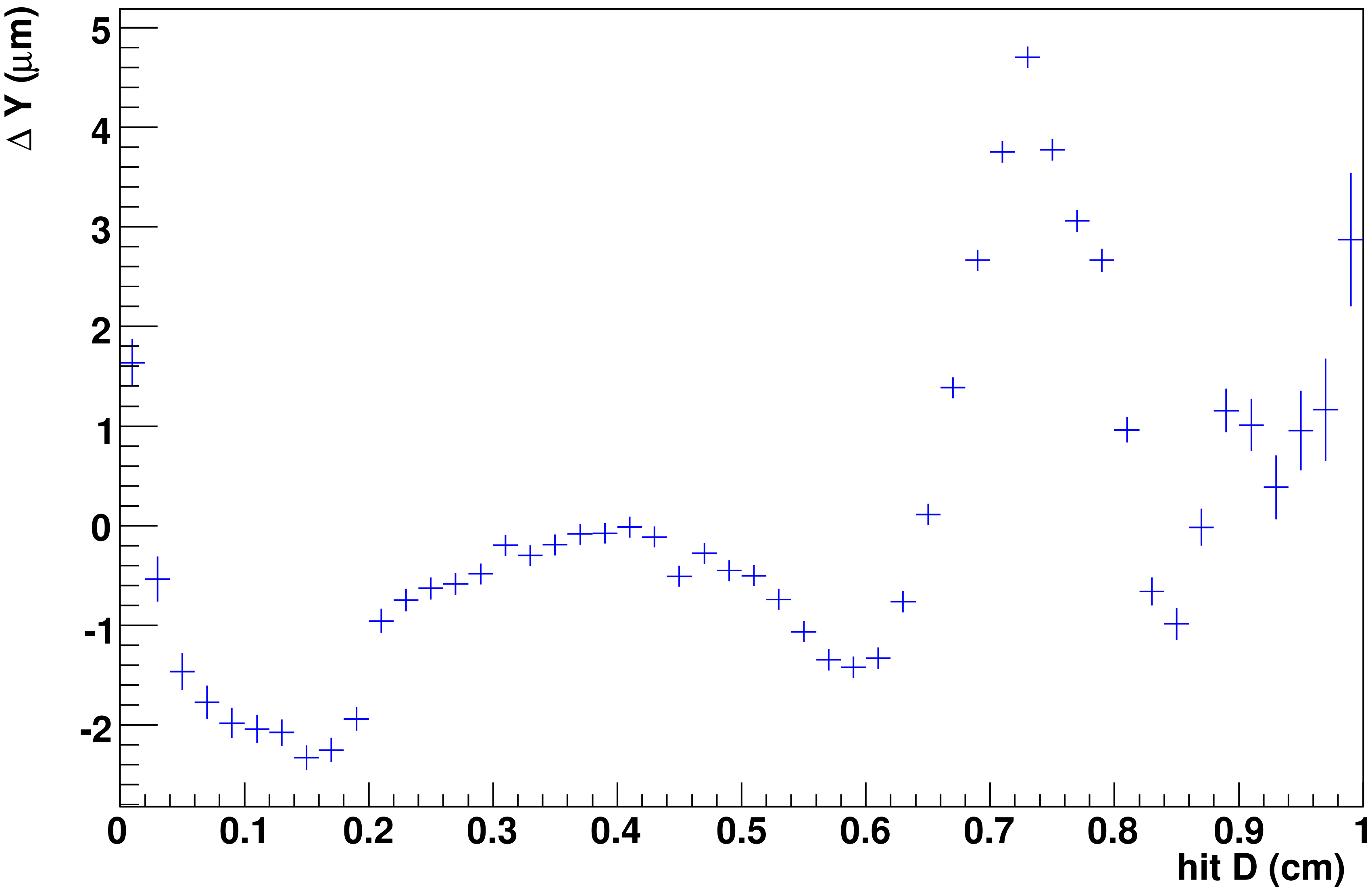
Δ D (μm)
5
0
-5
-10
-15
-80
-60
-40
-20
0
20
40
60
80
wire number



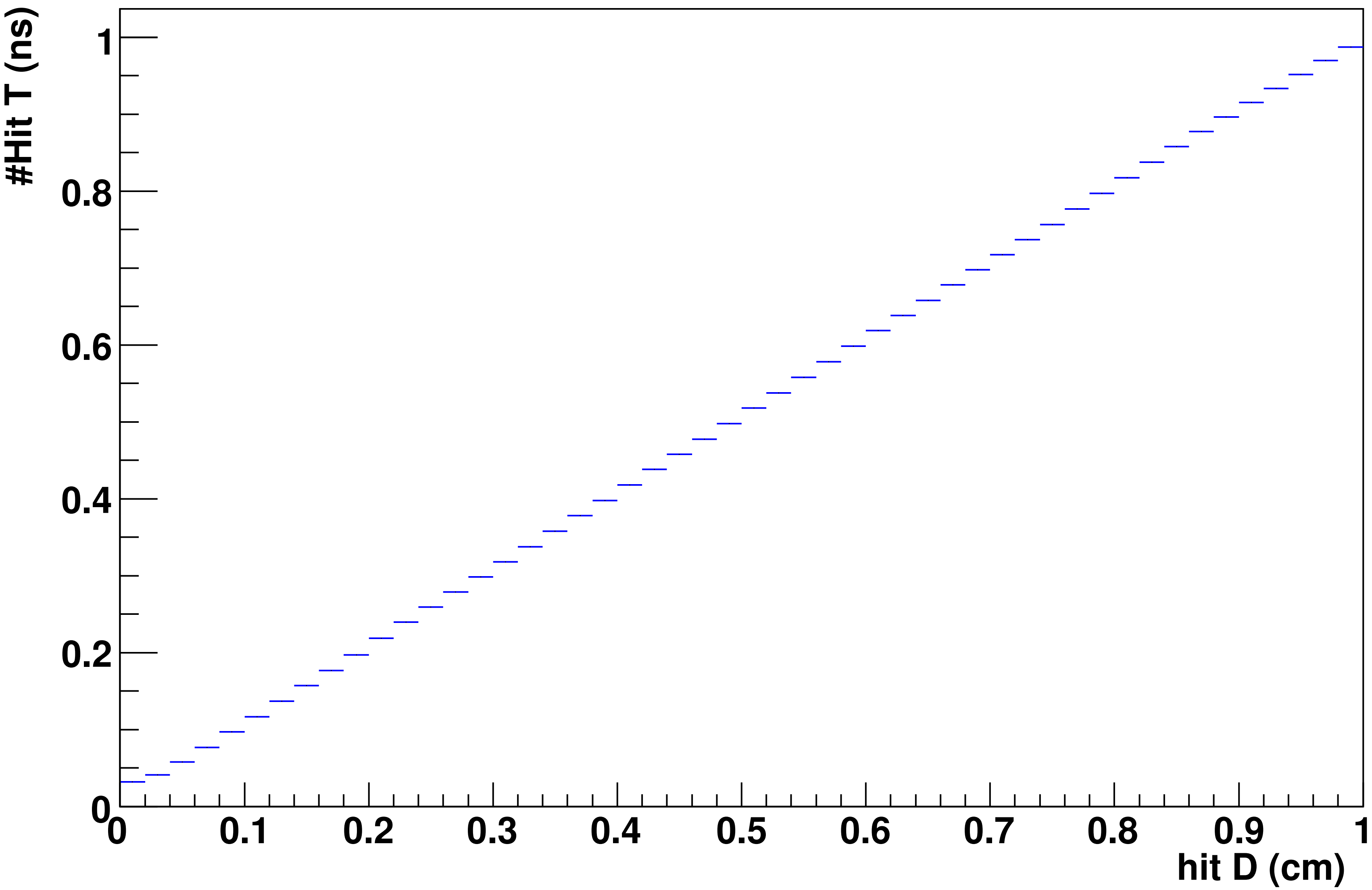
Δ Y (μm)
25
20
15
10
5
0
-5
-10
-15
-20
-25
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)



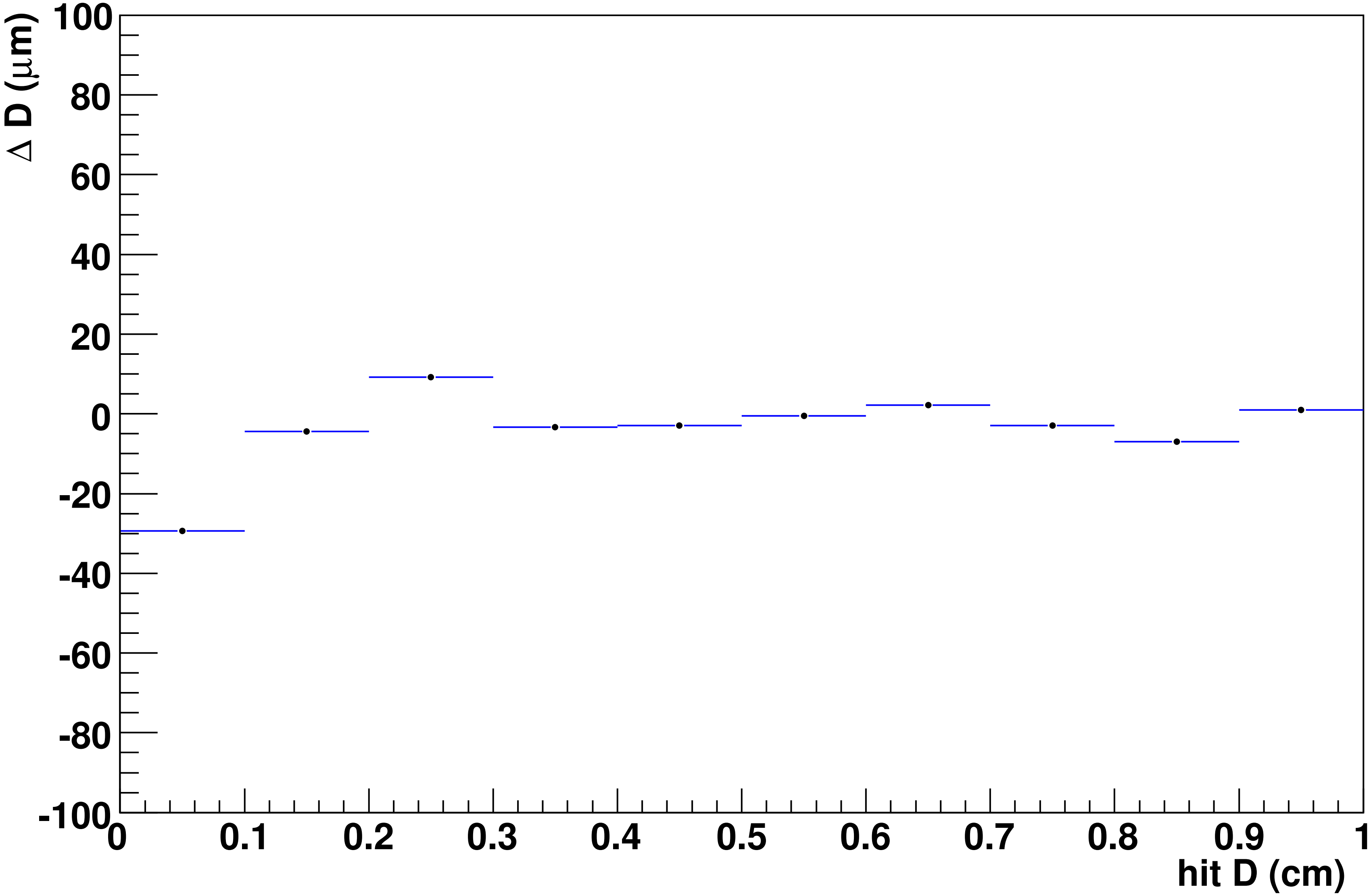
Δ D (μm)
100
80
60
40
20
0
-20
-40
-60
-80
-100
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)



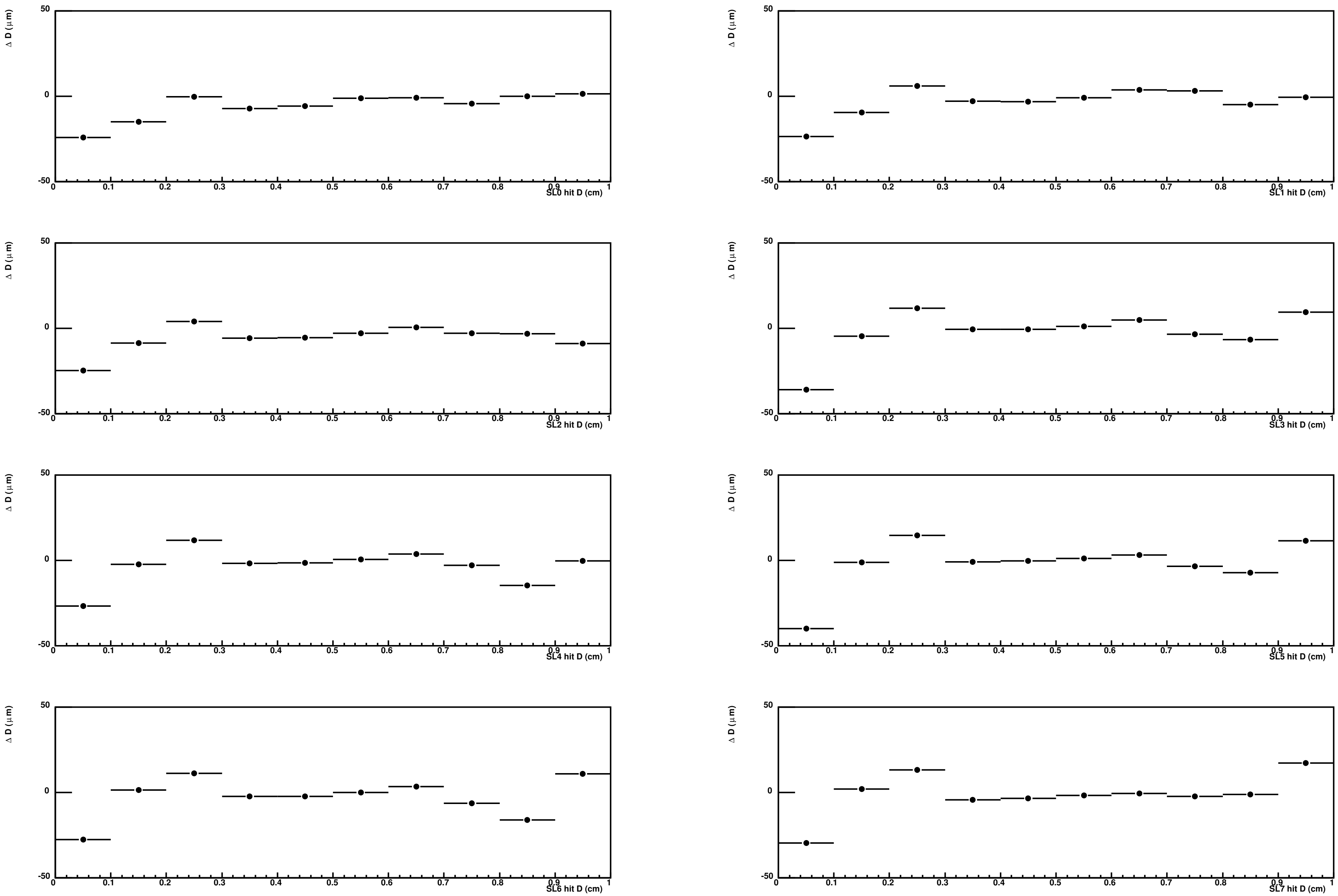
Δ Y (μm)
5
4
3
2
1
0
-1
-2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

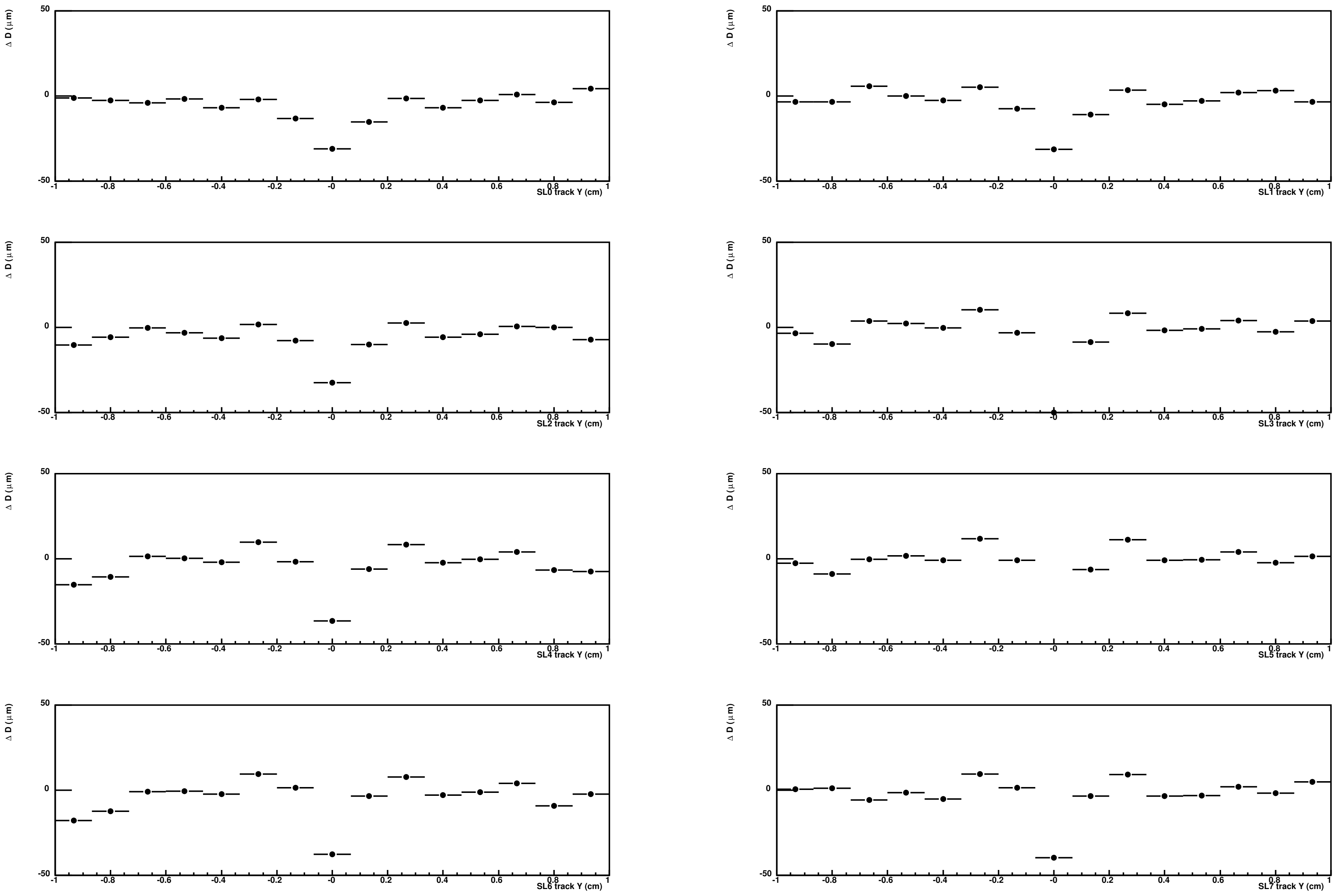


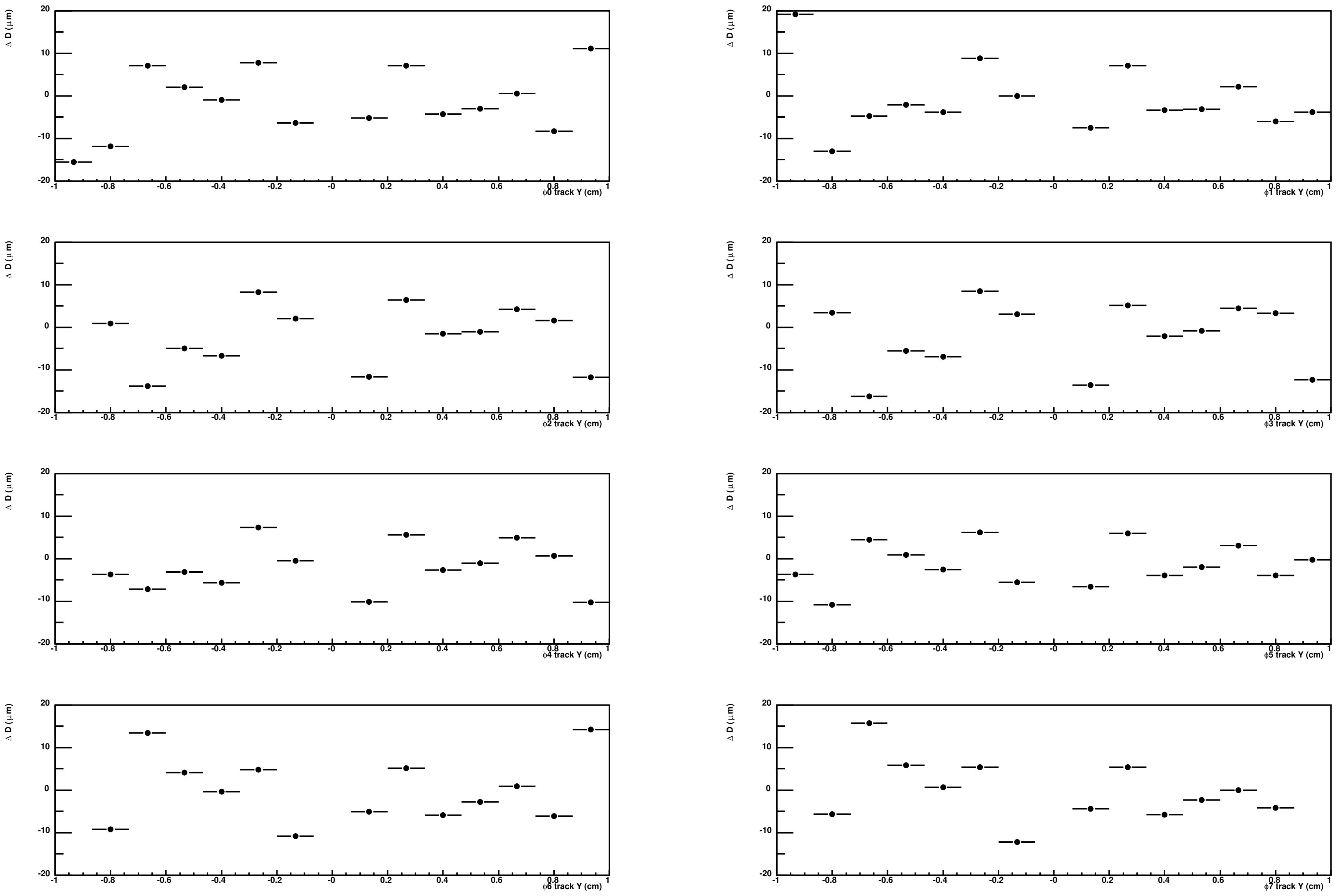
#Hit T (ns)
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

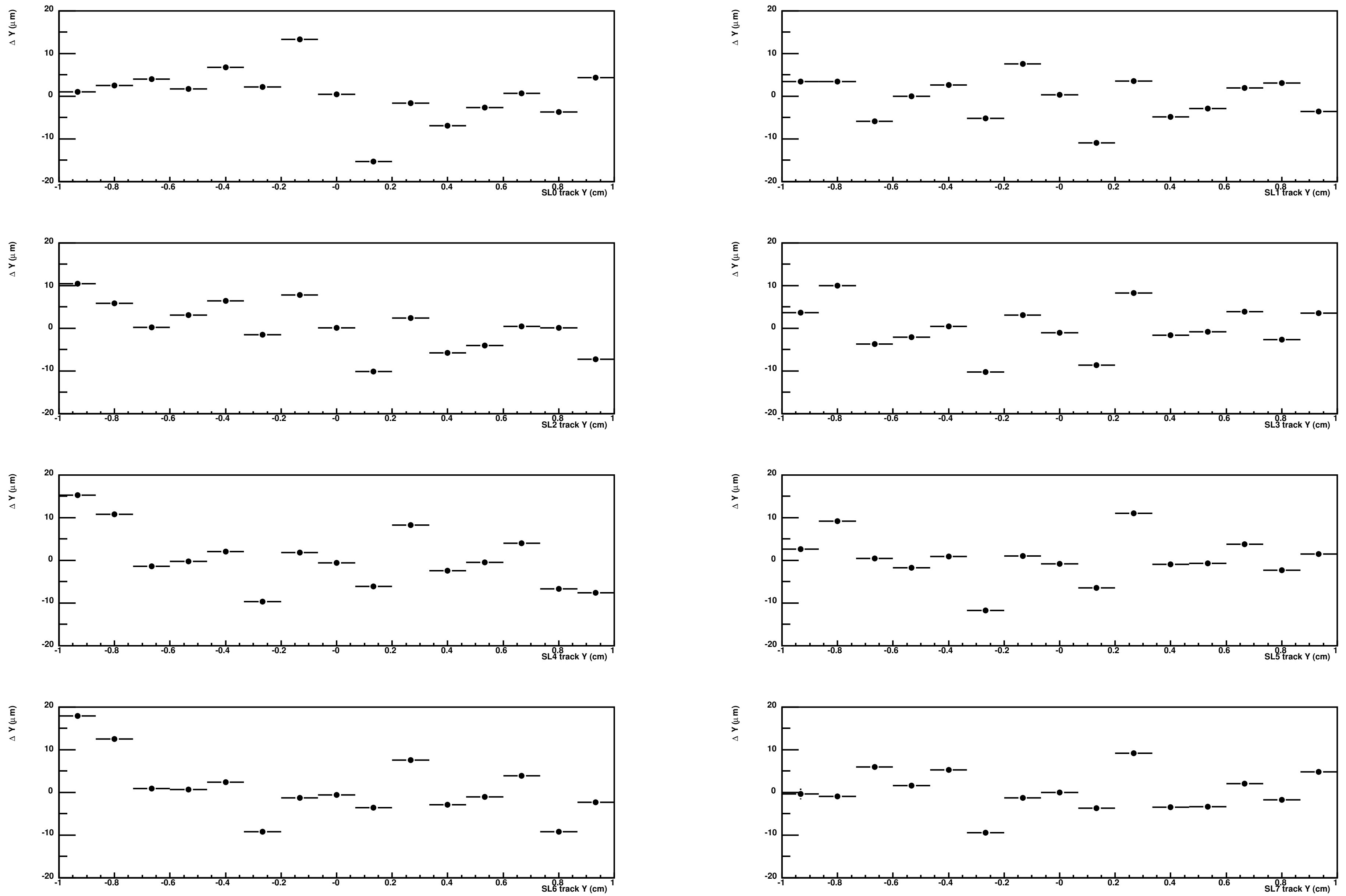


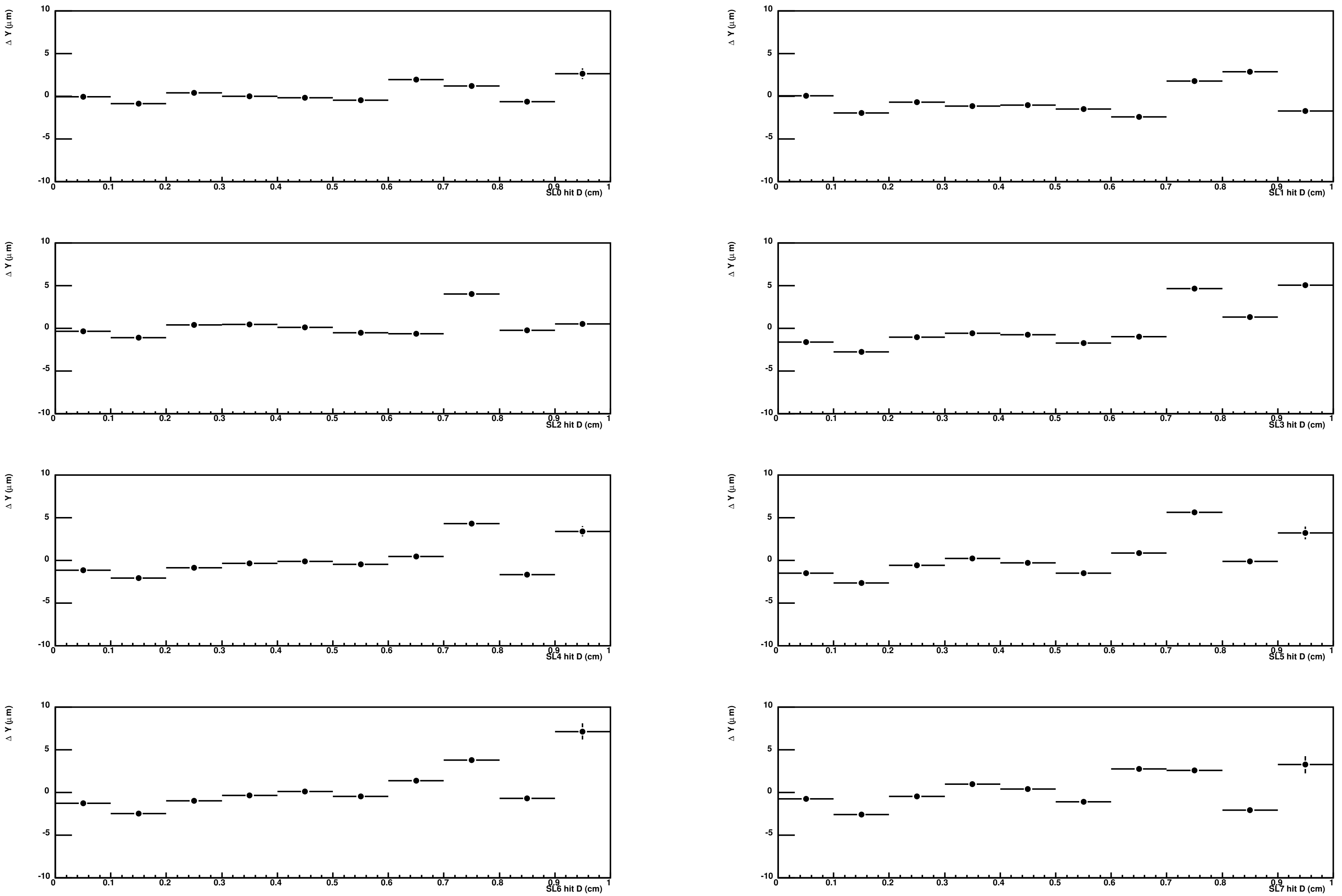
Δ D (μm)
100
80
60
40
20
0
-20
-40
-60
-80
-100
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

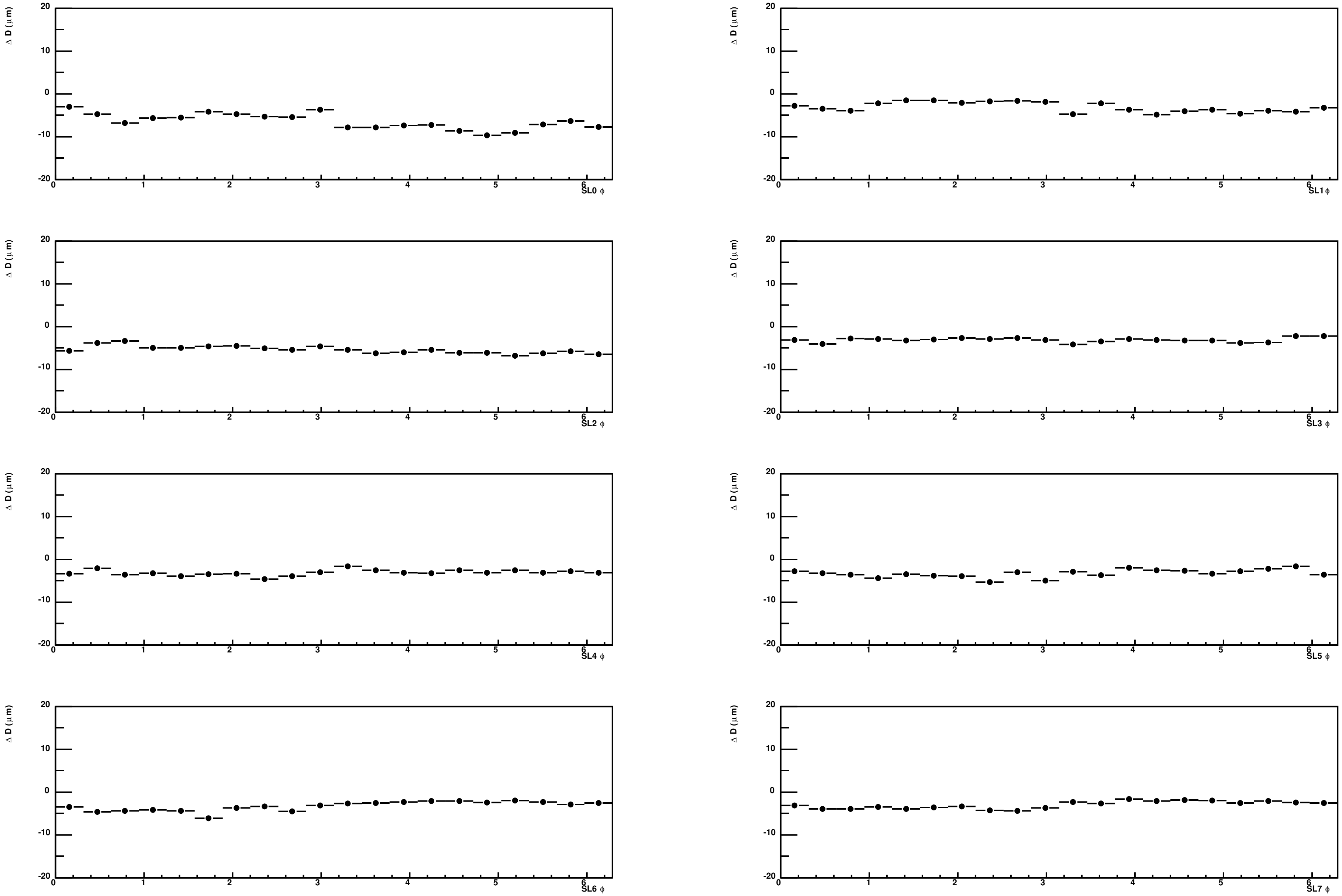

Δ D (μm)
SL0 hit D (cm)
SL1 hit D (cm)
SL2 hit D (cm)
SL3 hit D (cm)
SL4 hit D (cm)
SL5 hit D (cm)
SL6 hit D (cm)
SL7 hit D (cm)

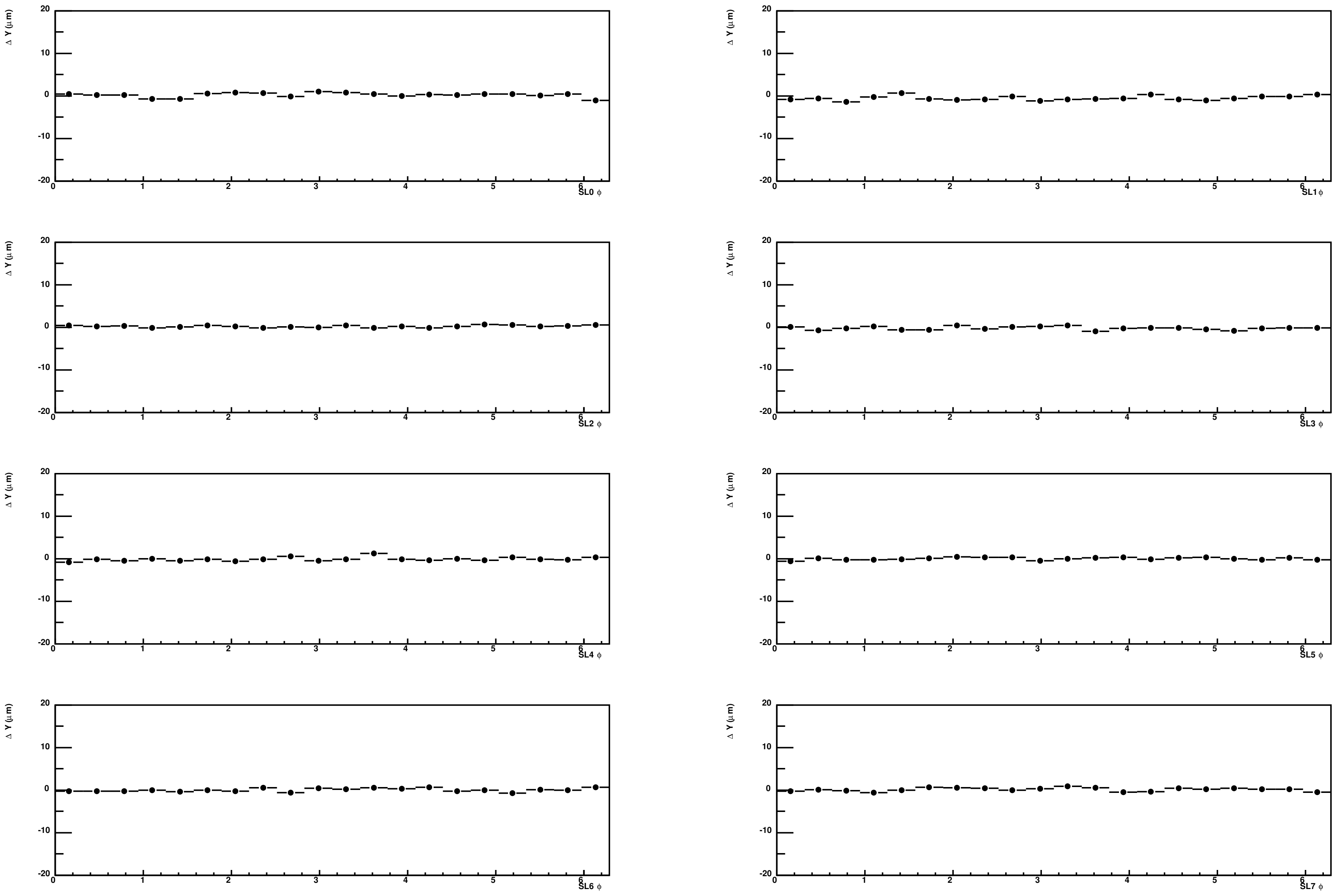

Δ D (μm)
SL0 track Y (cm)
SL1 track Y (cm)
SL2 track Y (cm)
SL3 track Y (cm)
SL4 track Y (cm)
SL5 track Y (cm)
SL6 track Y (cm)
SL7 track Y (cm)

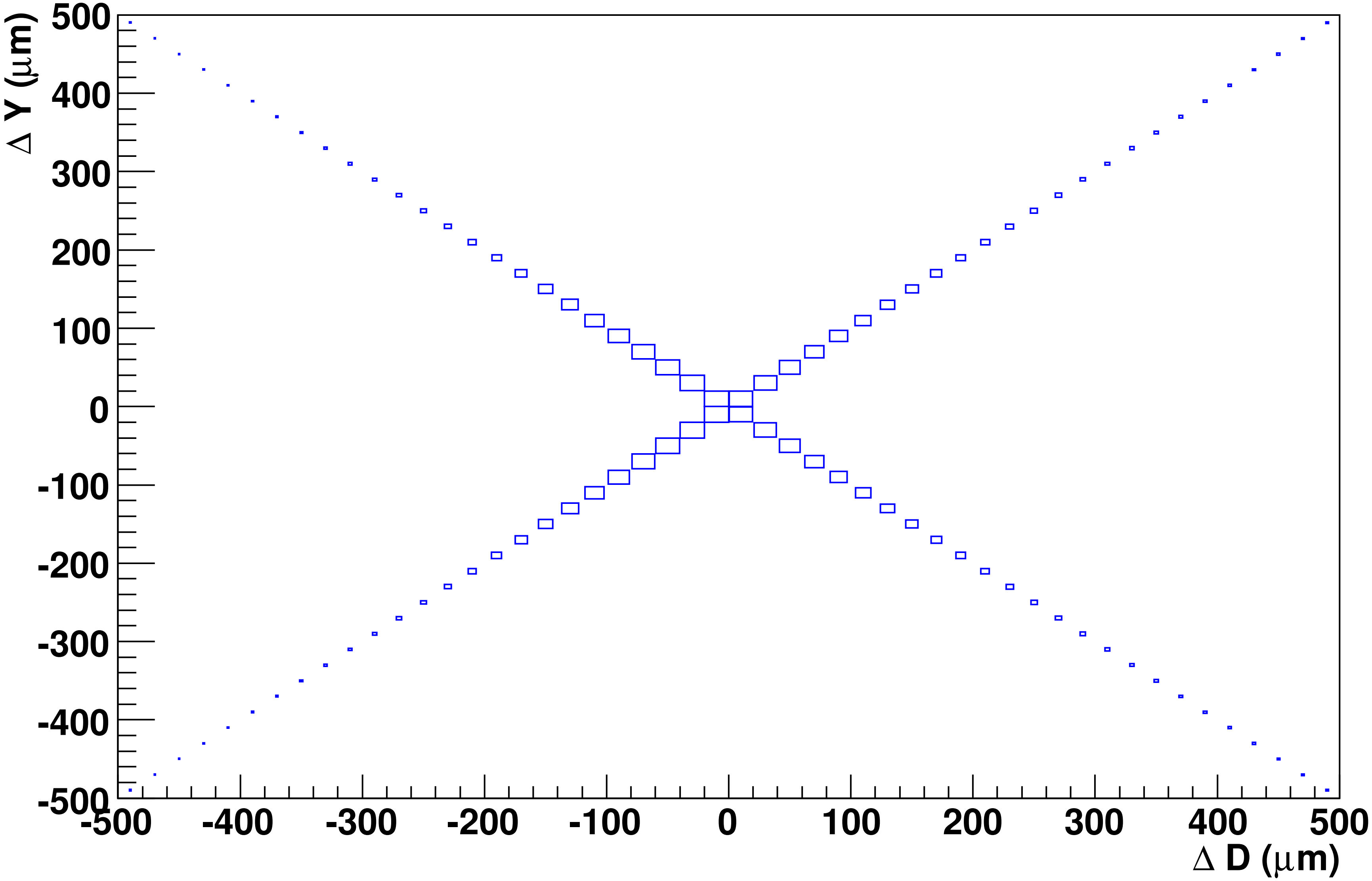

Δ D (μm)
φ0 track Y (cm)
φ1 track Y (cm)
φ2 track Y (cm)
φ3 track Y (cm)
φ4 track Y (cm)
φ5 track Y (cm)
φ6 track Y (cm)
φ7 track Y (cm)


Δ Y (μm)
SL0 track Y (cm)
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)

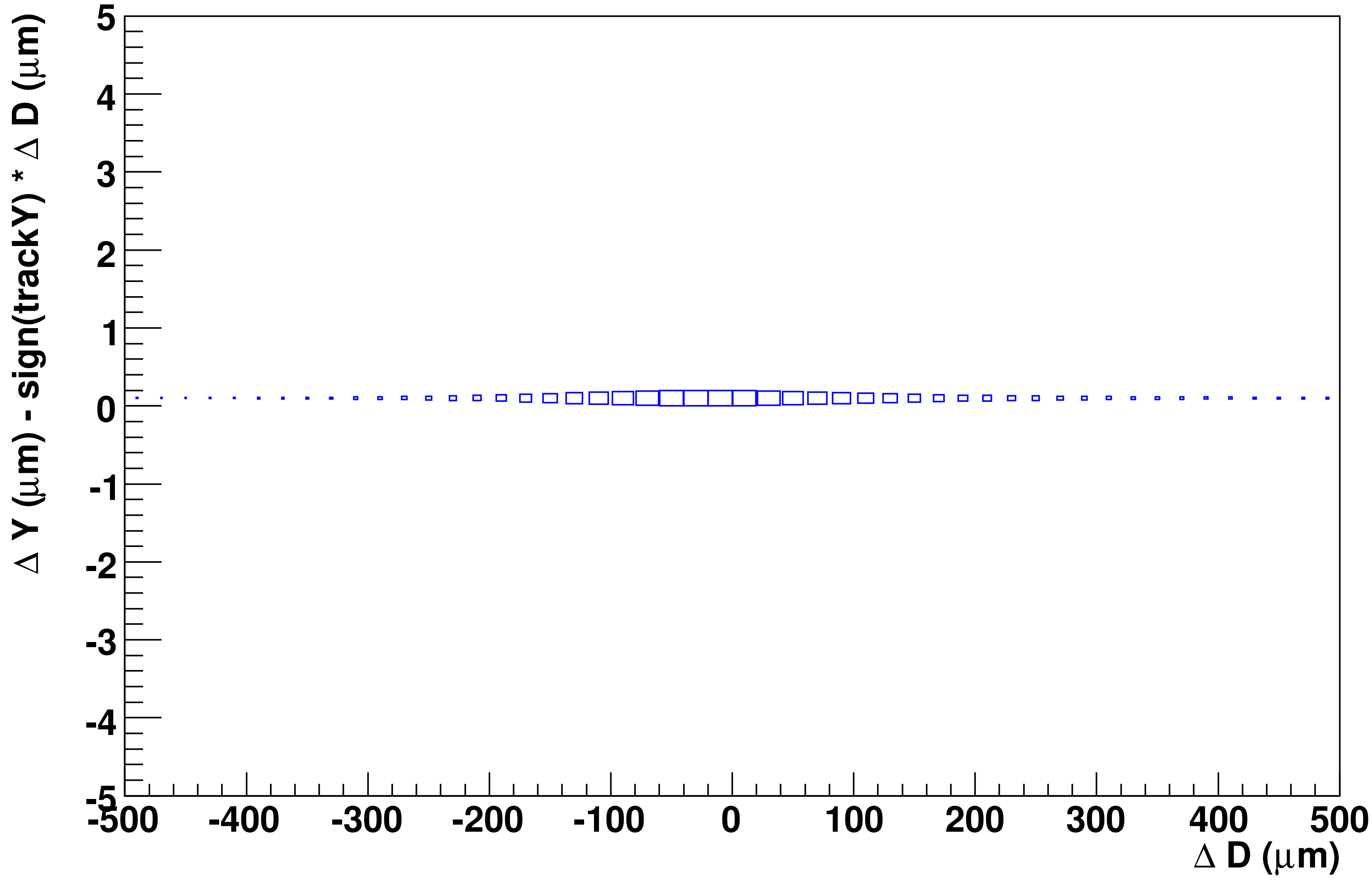

Δ Y (μ m)
SL0 hit D (cm)
SL1 hit D (cm)
SL2 hit D (cm)
SL3 hit D (cm)
SL4 hit D (cm)
SL5 hit D (cm)
SL6 hit D (cm)
SL7 hit D (cm)


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

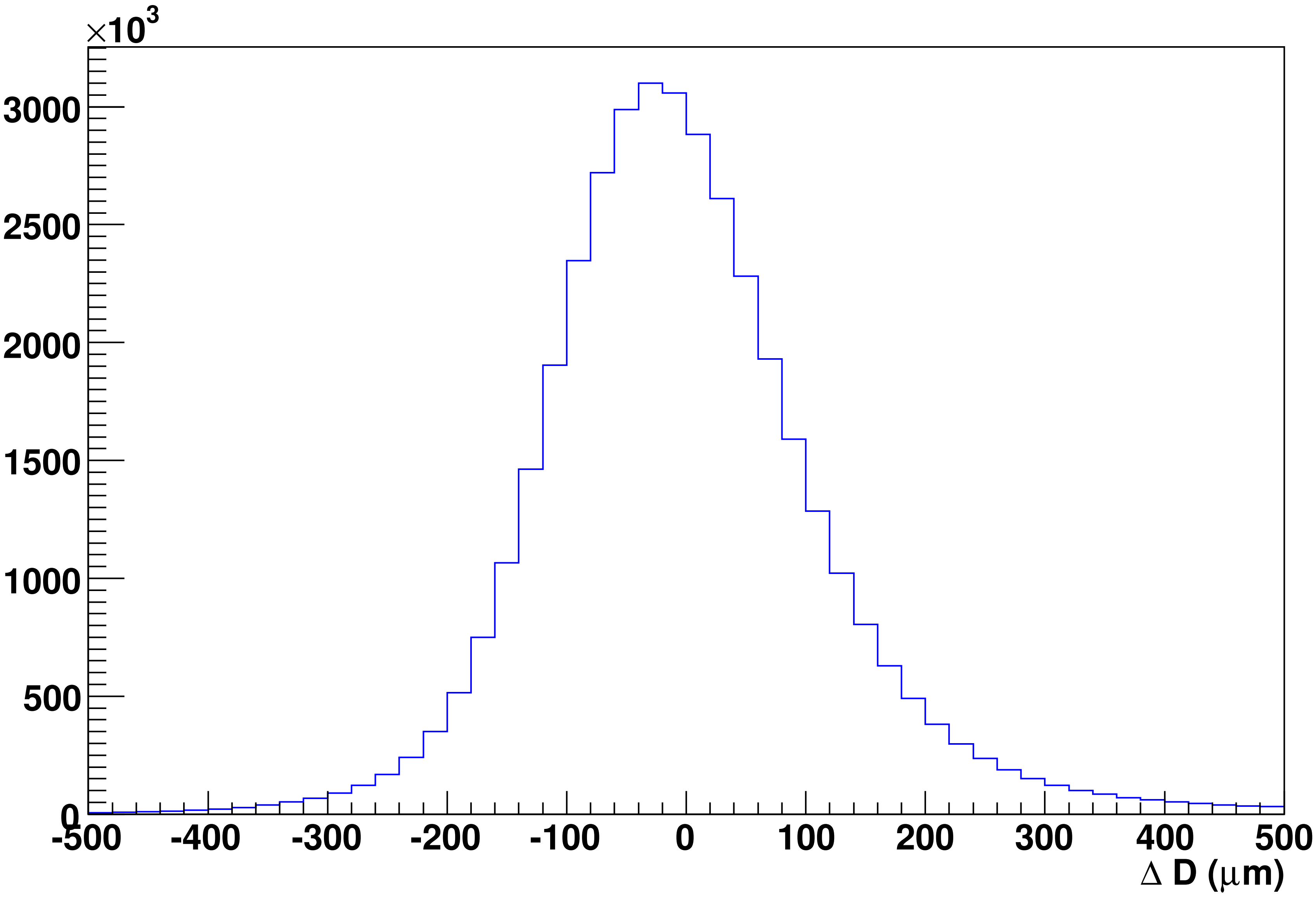

Δ Y (μ m)
SL0 φ
SL1 φ
SL2 φ
SL3 φ
SL4 φ
SL5 φ
SL6 φ
SL7 φ



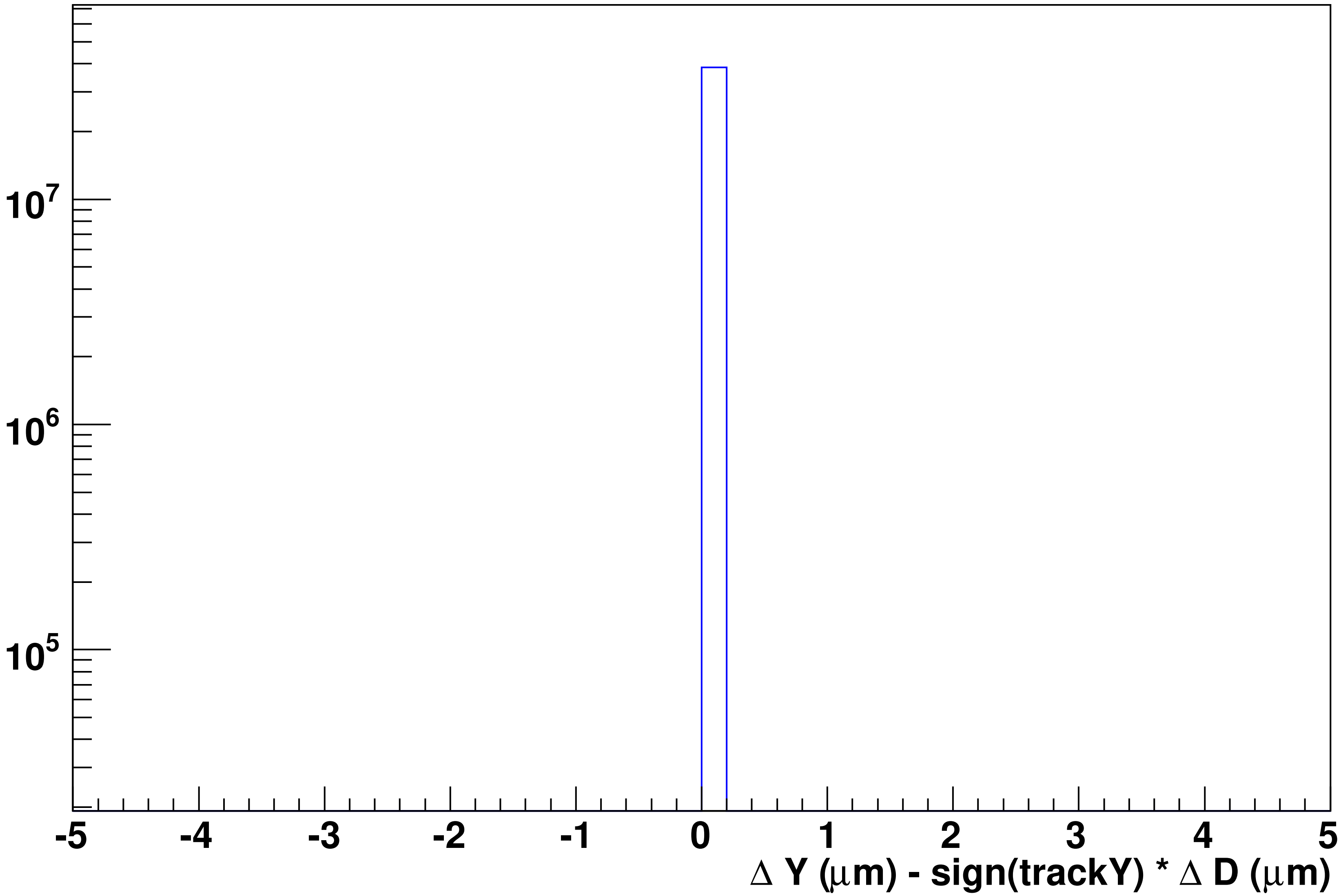
Δ Y (μm)
500
400
300
200
100
0
-100
-200
-300
-400
-500
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



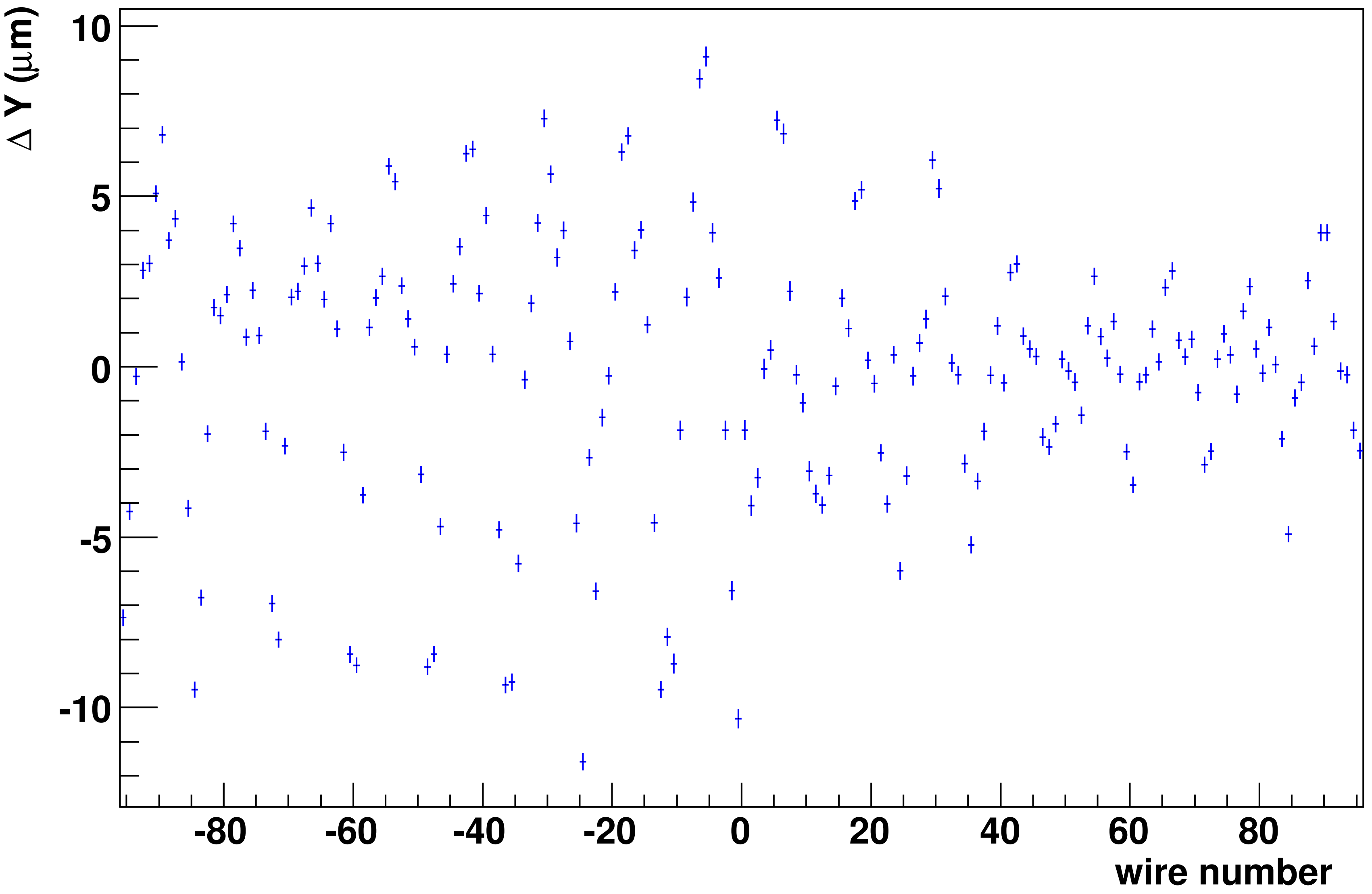
Δ Y (μm) - sign(trackY) * Δ D (μm)
5
4
3
2
1
0
-1
-2
-3
-4
-5
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



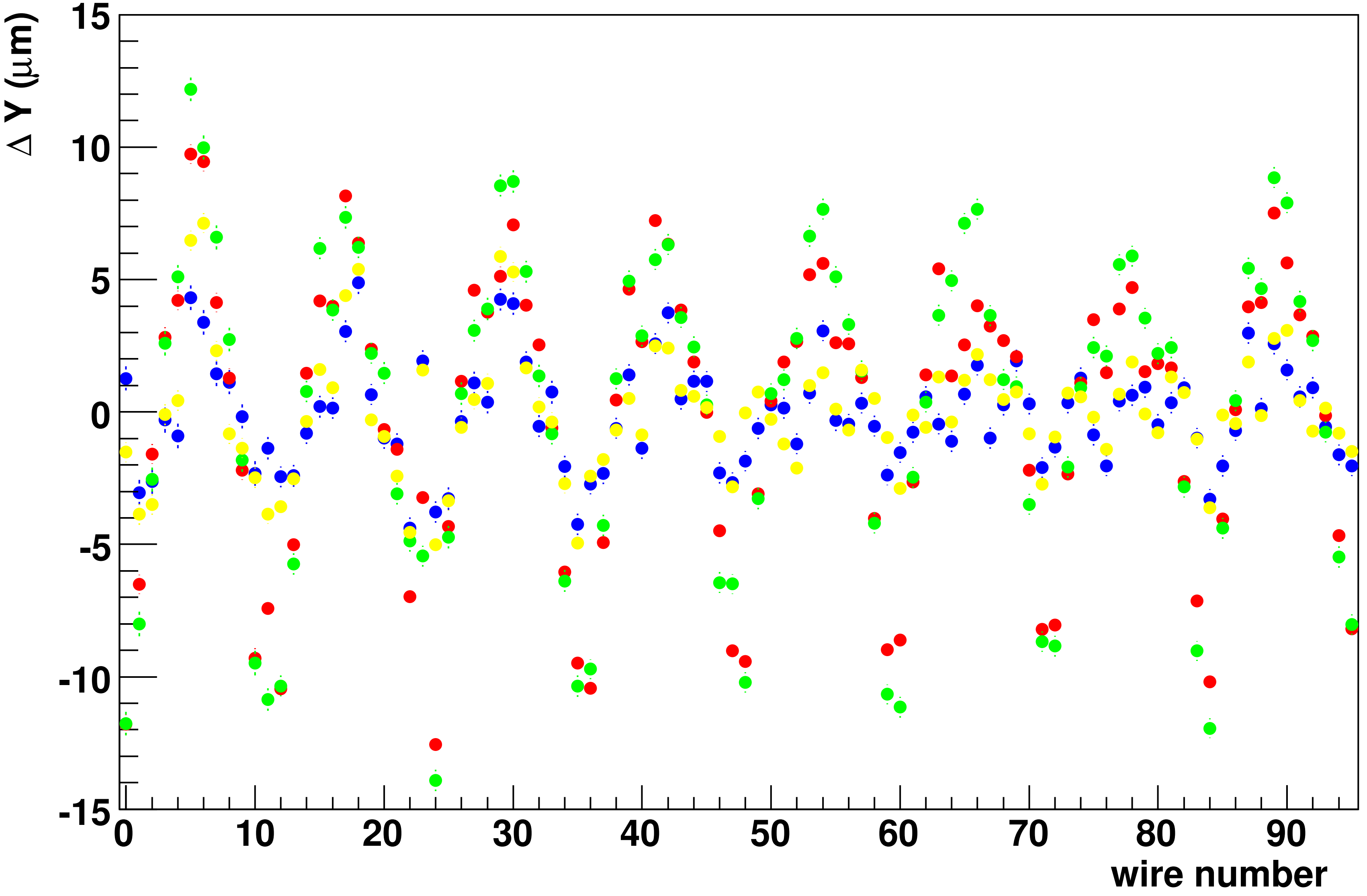
×10^3
3000
2500
2000
1500
1000
500
0
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



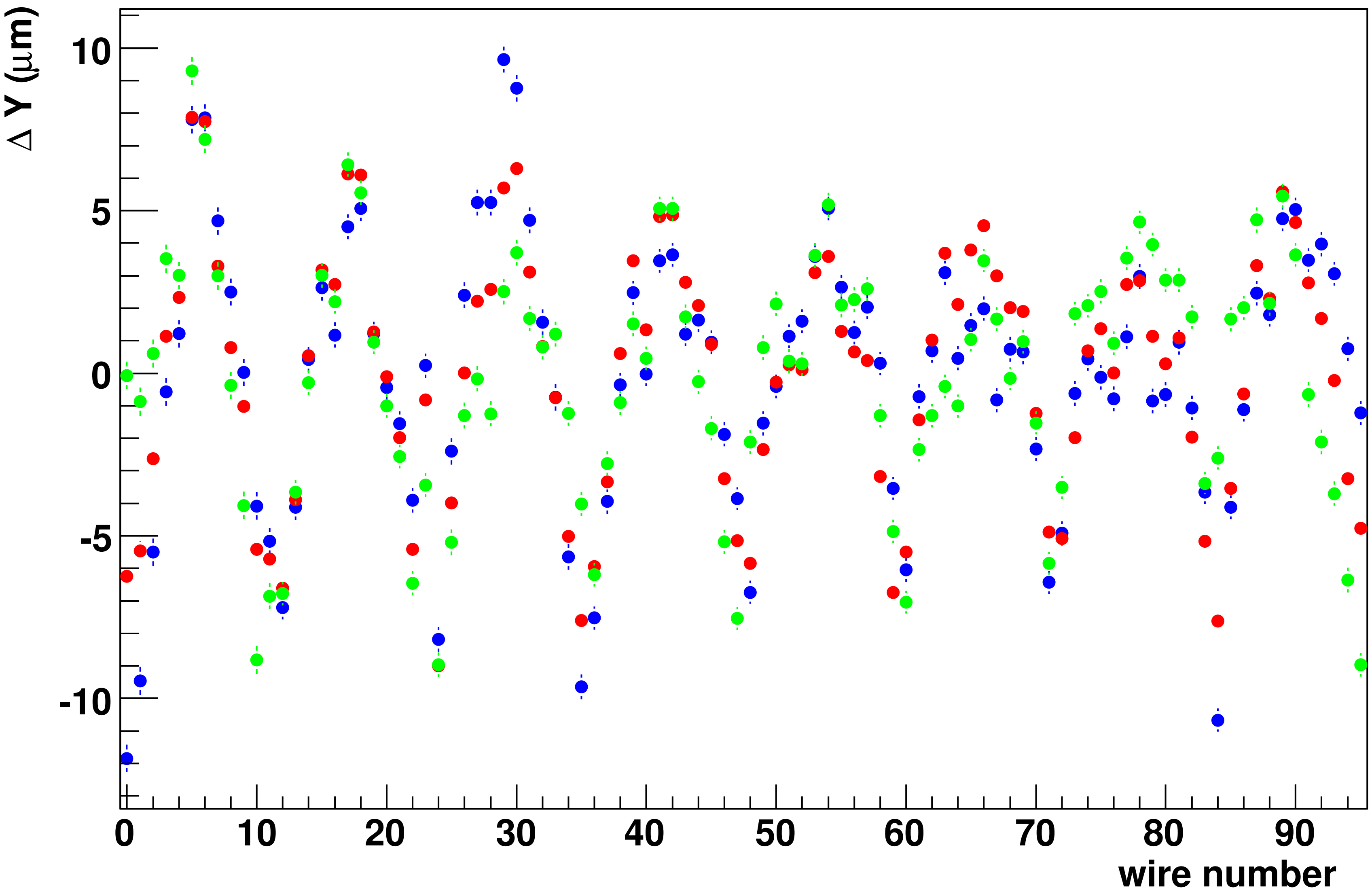
10^7
10^6
10^5
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δ Y (μm) - sign(trackY) * Δ D (μm)



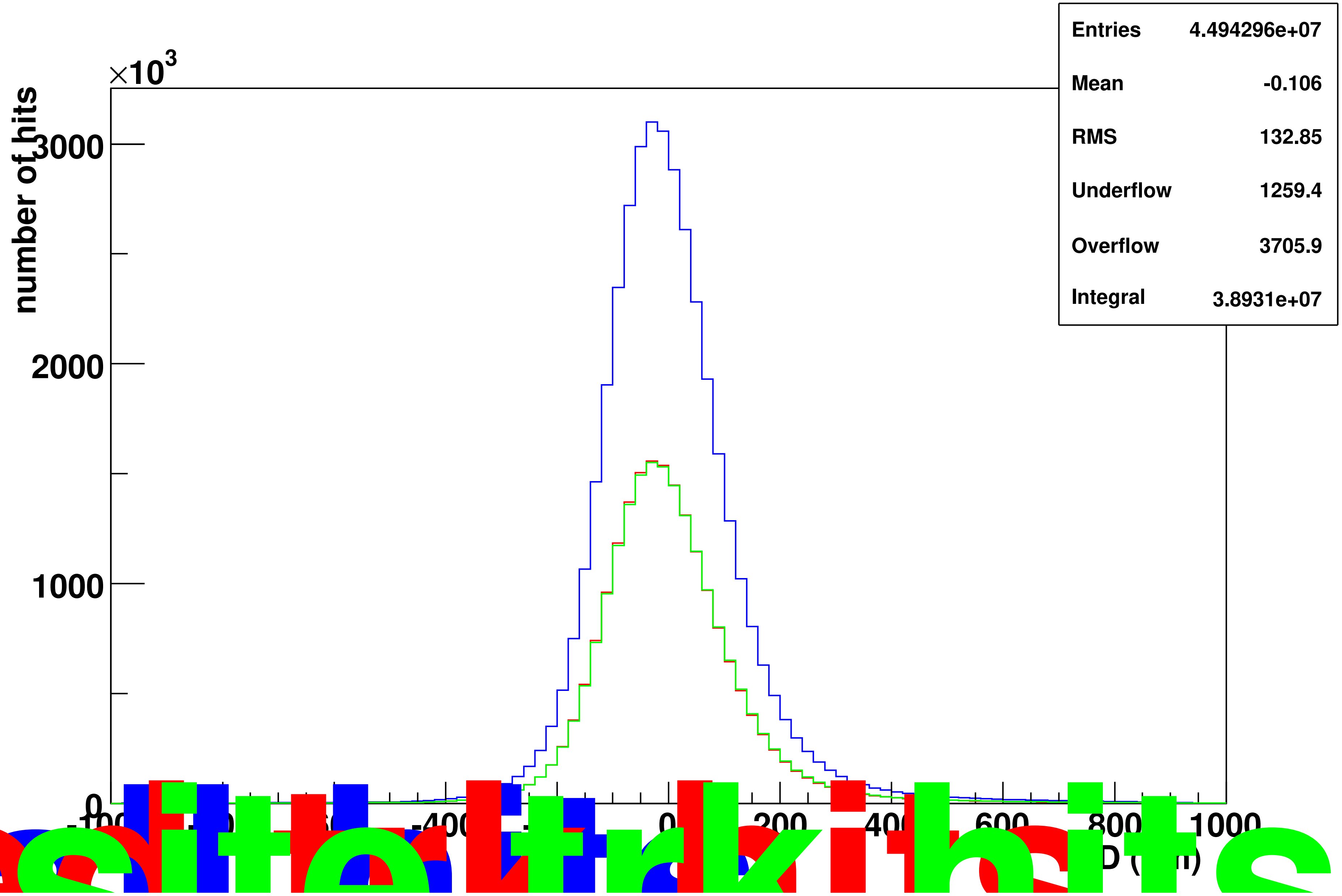
ΔY (μm)
10
5
0
-5
-10
-80
-60
-40
-20
0
20
40
60
80
wire number



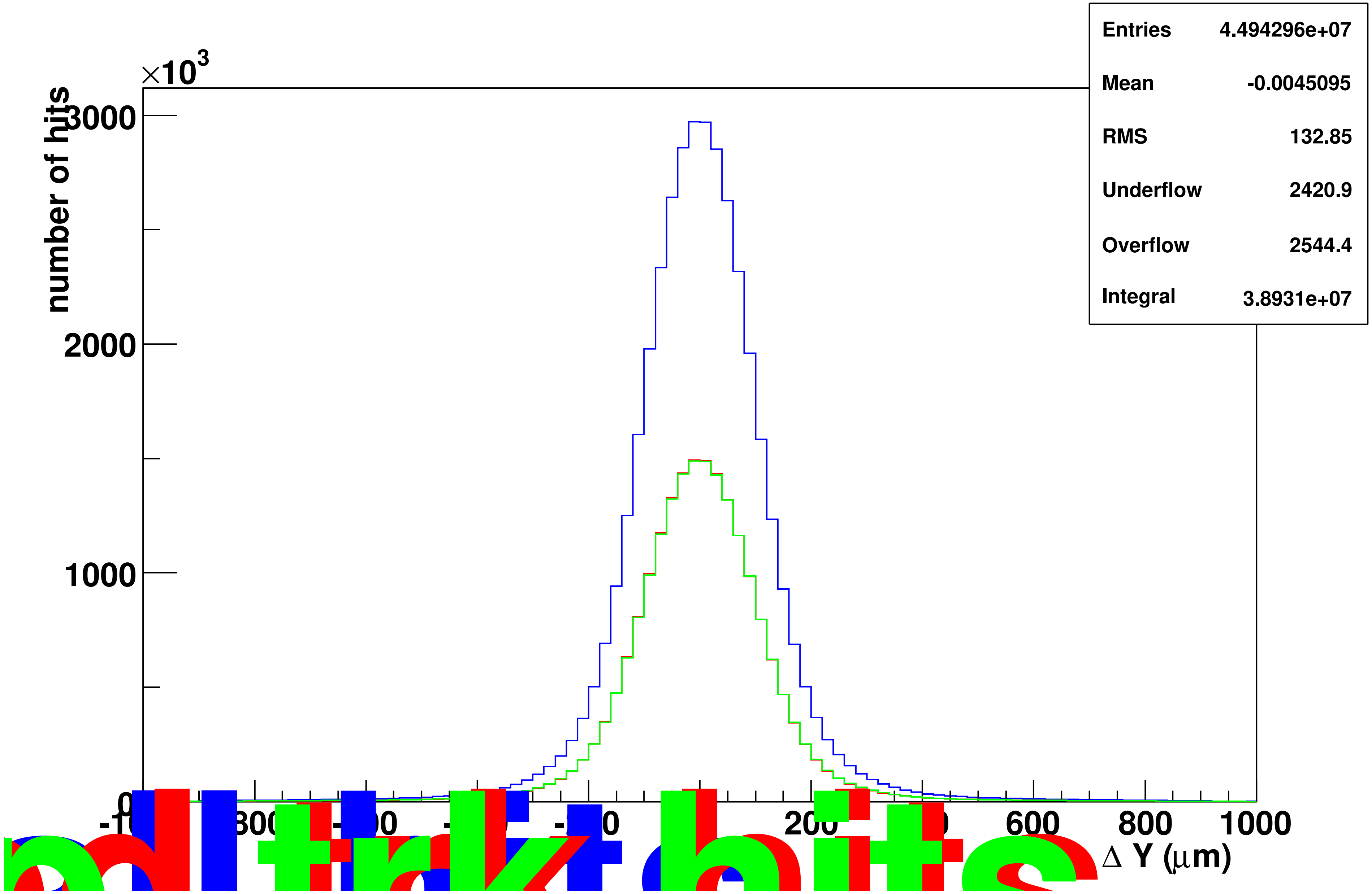
Δ Y (μm)
15
10
5
0
-5
-10
-15
0
10
20
30
40
50
60
70
80
90
wire number



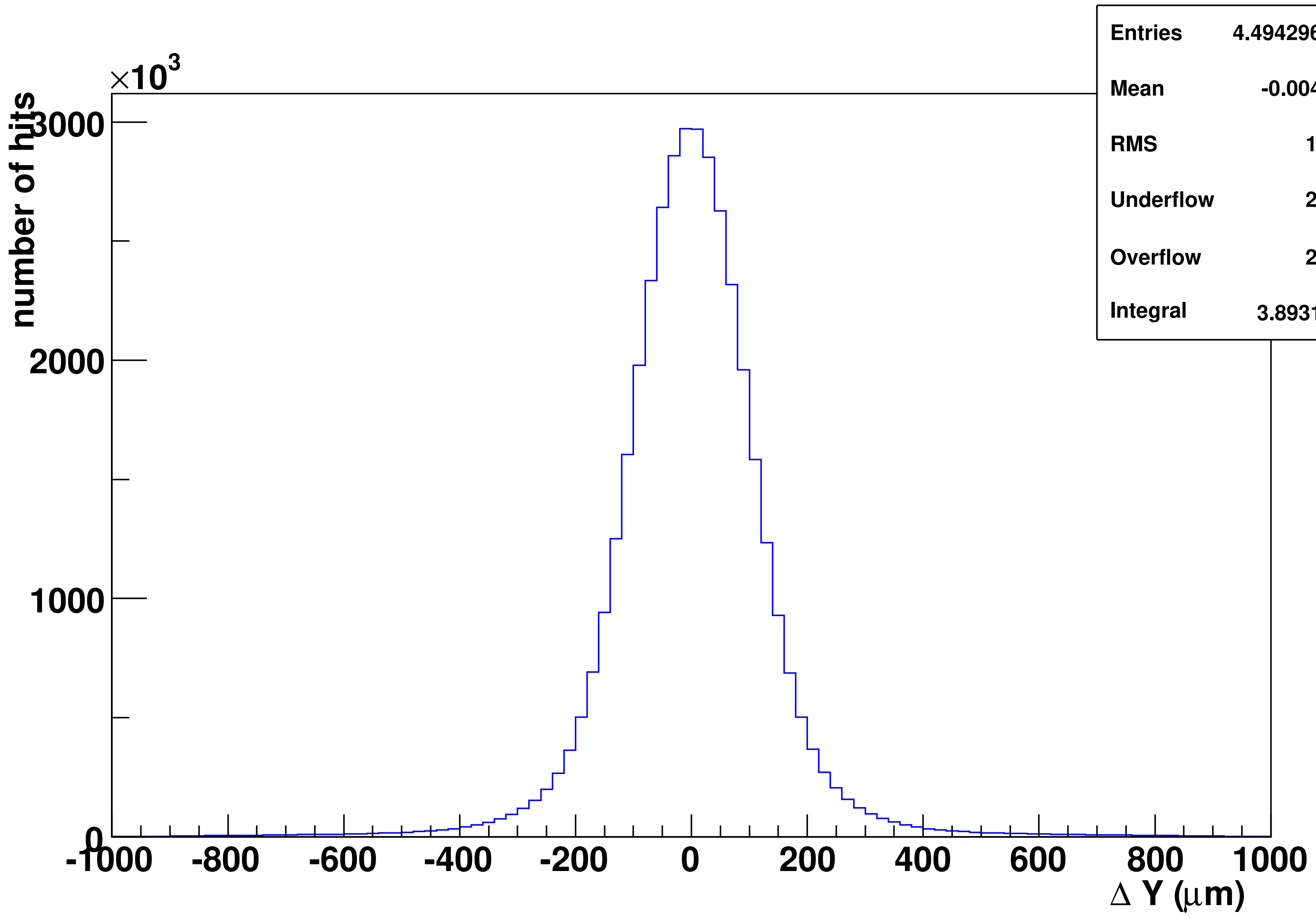
Δ Y (μm)
10
5
0
-5
-10
0
10
20
30
40
50
60
70
80
90
wire number



number of hits
×10^3
3000
2000
1000
0
200
600
800
1000
Entries 4.494296e+07
Mean -0.106
RMS 132.85
Underflow 1259.4
Overflow 3705.9
Integral 3.8931e+07



Entries 4.494296e+07
Mean -0.0045095
RMS 132.85
Underflow 2420.9
Overflow 2544.4
Integral 3.8931e+07
×10^3
number of hits
3000
2000
1000
0
600
800
1000
Δ Y (μm)



Entries 4.494296e+07
Mean -0.0045095
RMS 132.85
Underflow 2420.9
Overflow 2544.4
Integral 3.8931e+07
×10^3
number of hits
3000
2000
1000
0
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
Δ Y (μm)