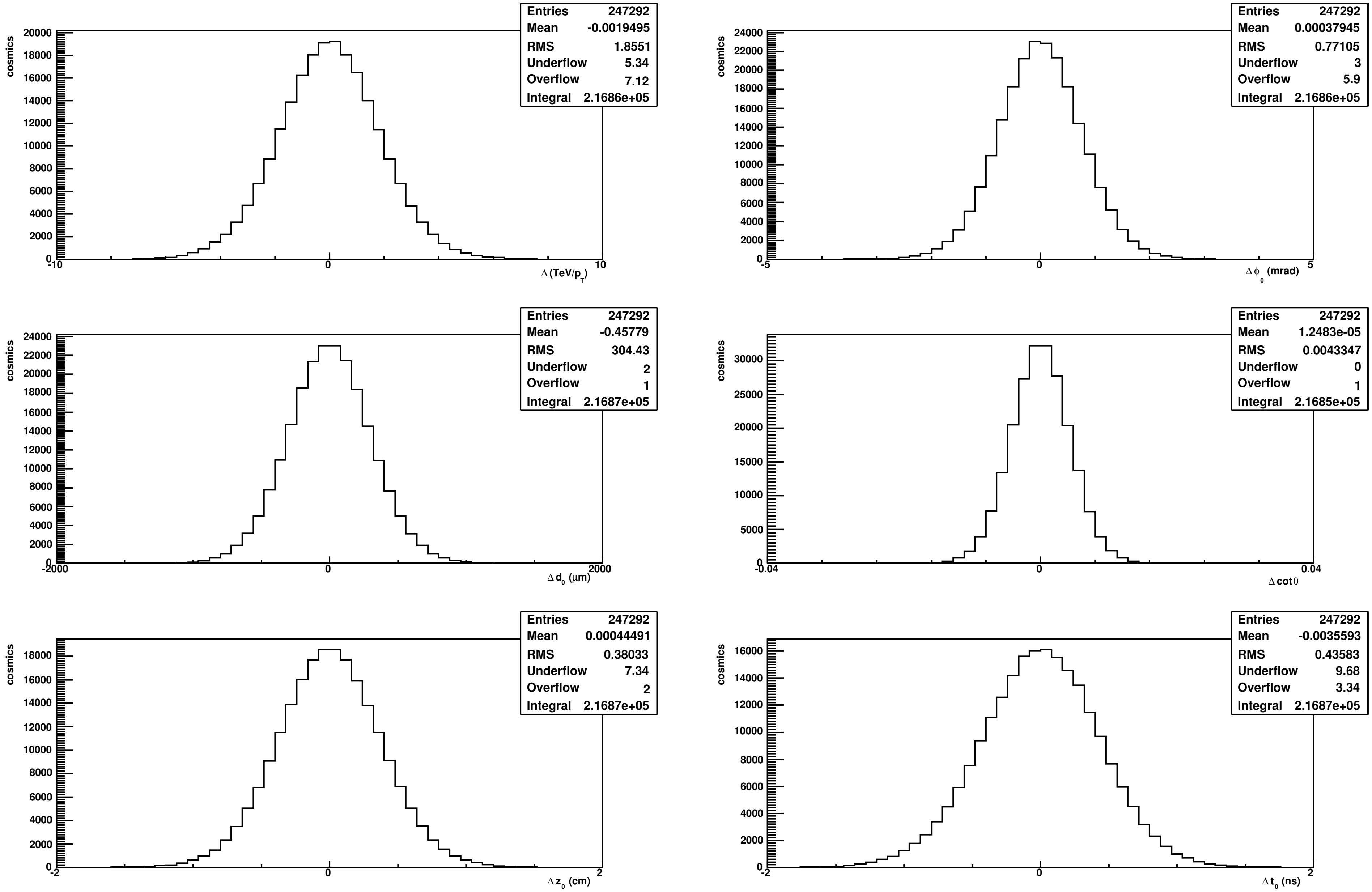
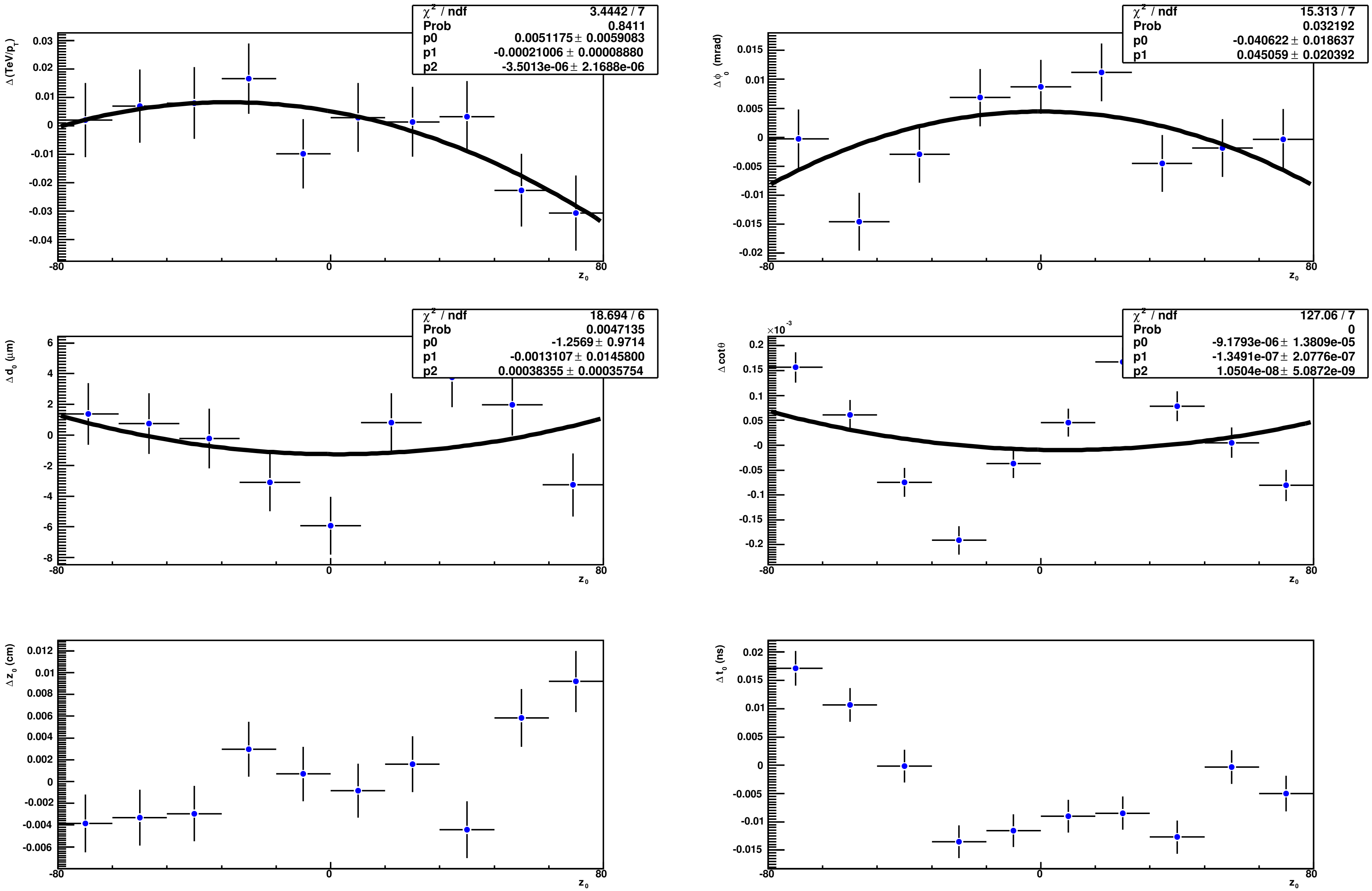
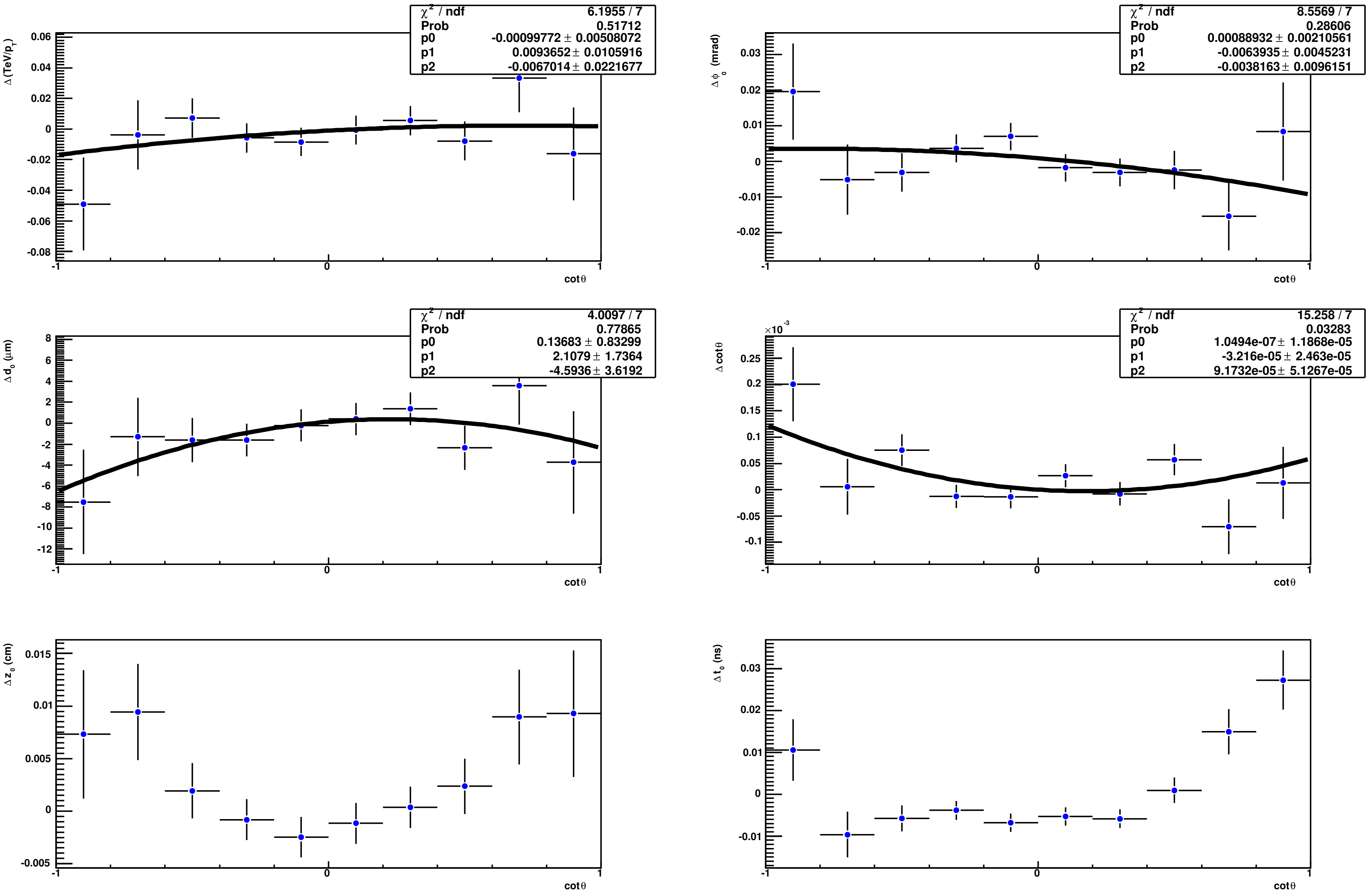
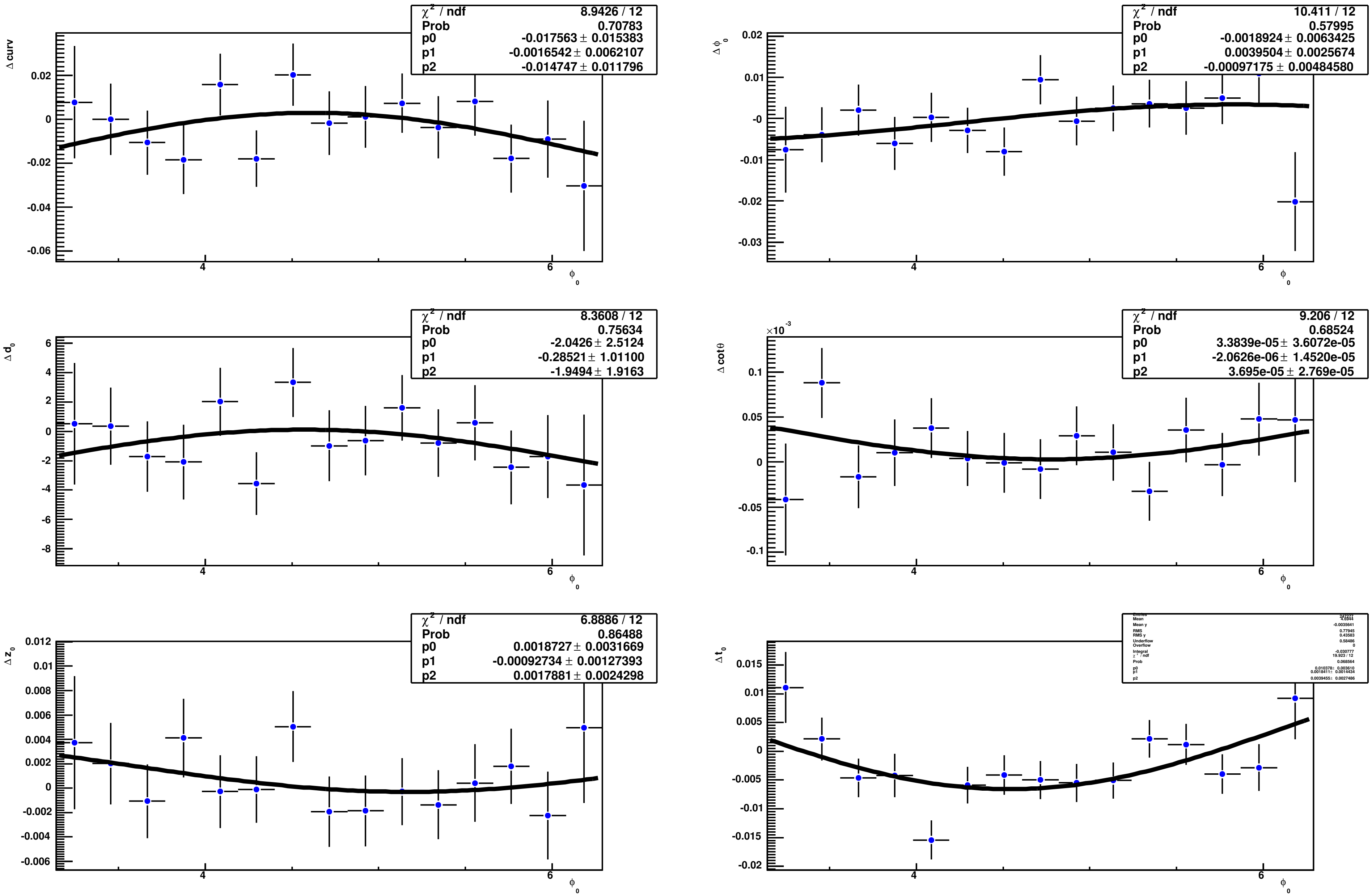


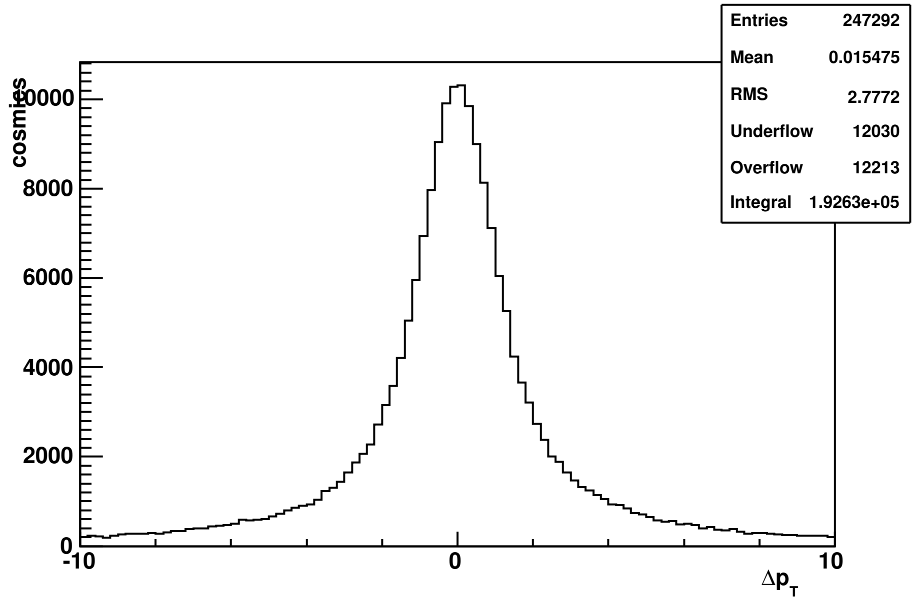
Entries 247292
Mean -0.0019495
RMS 1.8551
Underflow 5.34
Overflow 7.12
Integral 2.1686e+05
cosmics
Δ(TeV/$p_T$)
Entries 247292
Mean 0.00037945
RMS 0.77105
Underflow 3
Overflow 5.9
Integral 2.1686e+05
cosmics
Δ$\phi_0$ (mrad)
Entries 247292
Mean -0.45779
RMS 304.43
Underflow 2
Overflow 1
Integral 2.1687e+05
cosmics
Δ$d_0$ (μm)
Entries 247292
Mean 1.2483e-05
RMS 0.0043347
Underflow 0
Overflow 1
Integral 2.1685e+05
cosmics
Δcotθ
Entries 247292
Mean 0.00044491
RMS 0.38033
Underflow 7.34
Overflow 2
Integral 2.1687e+05
cosmics
Δ$z_0$ (cm)
Entries 247292
Mean -0.0035593
RMS 0.43583
Underflow 9.68
Overflow 3.34
Integral 2.1687e+05
cosmics
Δ$t_0$ (ns)

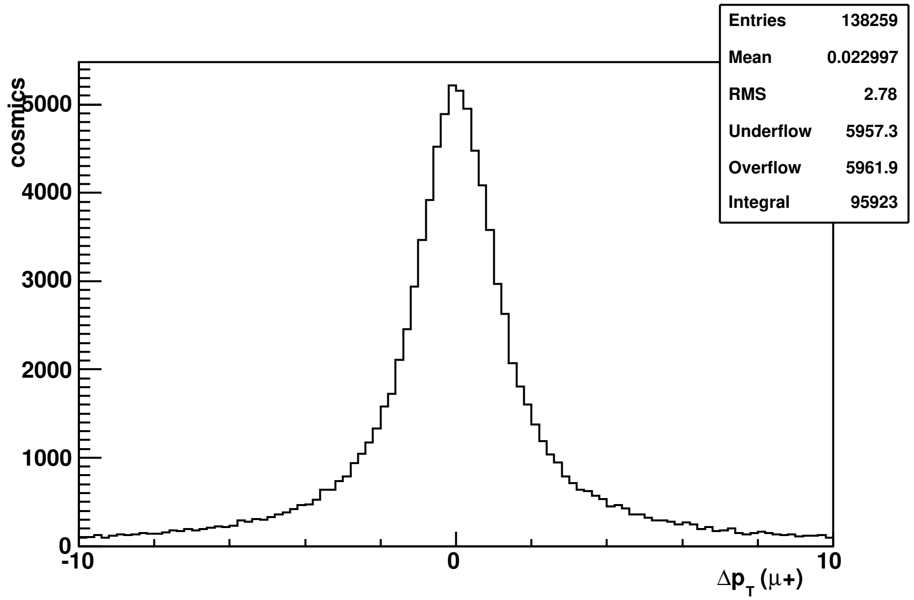

χ2 / ndf 3.4442 / 7
Prob 0.8411
p0 0.0051175 ± 0.0059083
p1 -0.00021006 ± 0.00008880
p2 -3.5013e-06 ± 2.1688e-06
Δ(TeV/pT)
z0
χ2 / ndf 15.313 / 7
Prob 0.032192
p0 -0.040622 ± 0.018637
p1 0.045059 ± 0.020392
Δ φ0 (mrad)
z0
χ2 / ndf 18.694 / 6
Prob 0.0047135
p0 -1.2569 ± 0.9714
p1 -0.0013107 ± 0.0145800
p2 0.00038355 ± 0.00035754
Δ d0 (μm)
z0
χ2 / ndf 127.06 / 7
Prob 0
p0 -9.1793e-06 ± 1.3809e-05
p1 -1.3491e-07 ± 2.0776e-07
p2 1.0504e-08 ± 5.0872e-09
×10-3
Δ cotθ
z0
Δ z0 (cm)
z0
Δ t0 (ns)
z0

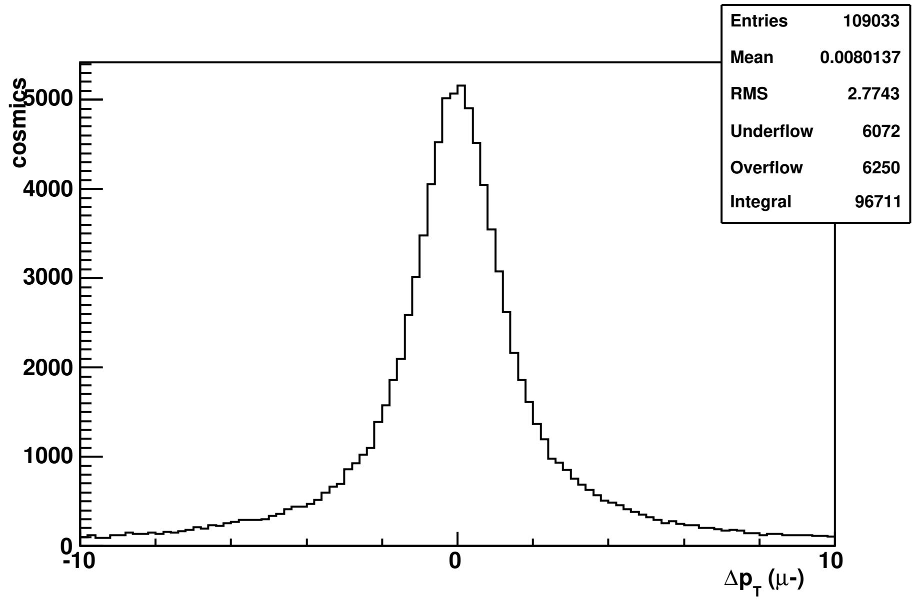

χ2 / ndf 6.1955 / 7
Prob 0.51712
p0 -0.00099772 ± 0.00508072
p1 0.0093652 ± 0.0105916
p2 -0.0067014 ± 0.0221677
Δ(TeV/pT)
cotθ
χ2 / ndf 8.5569 / 7
Prob 0.28606
p0 0.00088932 ± 0.00210561
p1 -0.0063935 ± 0.0045231
p2 -0.0038163 ± 0.0096151
Δ φ0 (mrad)
cotθ
χ2 / ndf 4.0097 / 7
Prob 0.77865
p0 0.13683 ± 0.83299
p1 2.1079 ± 1.7364
p2 -4.5936 ± 3.6192
Δ d0 (μm)
cotθ
χ2 / ndf 15.258 / 7
Prob 0.03283
p0 1.0494e-07 ± 1.1868e-05
p1 -3.216e-05 ± 2.463e-05
p2 9.1732e-05 ± 5.1267e-05
×10-3
Δ cotθ
cotθ
Δ z0 (cm)
cotθ
Δ t0 (ns)
cotθ

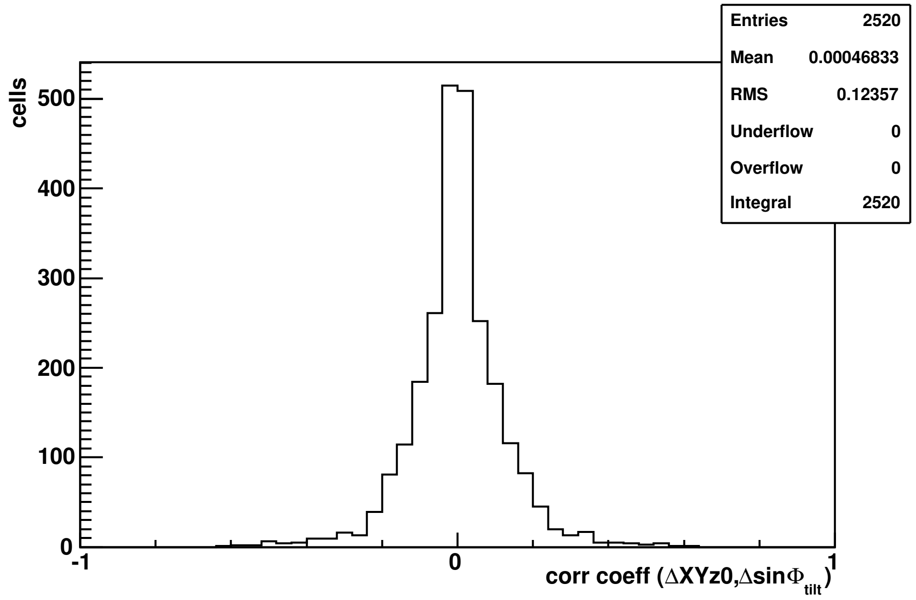
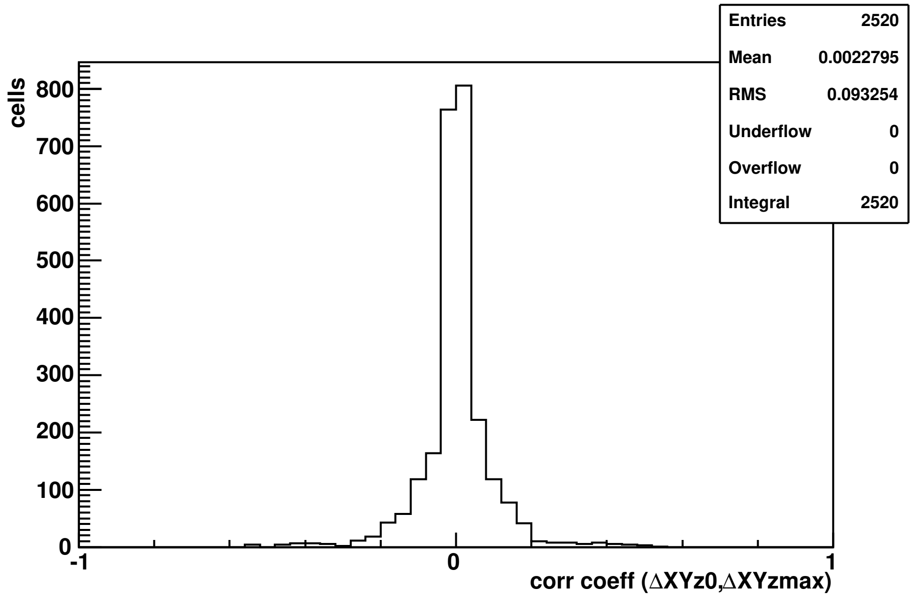
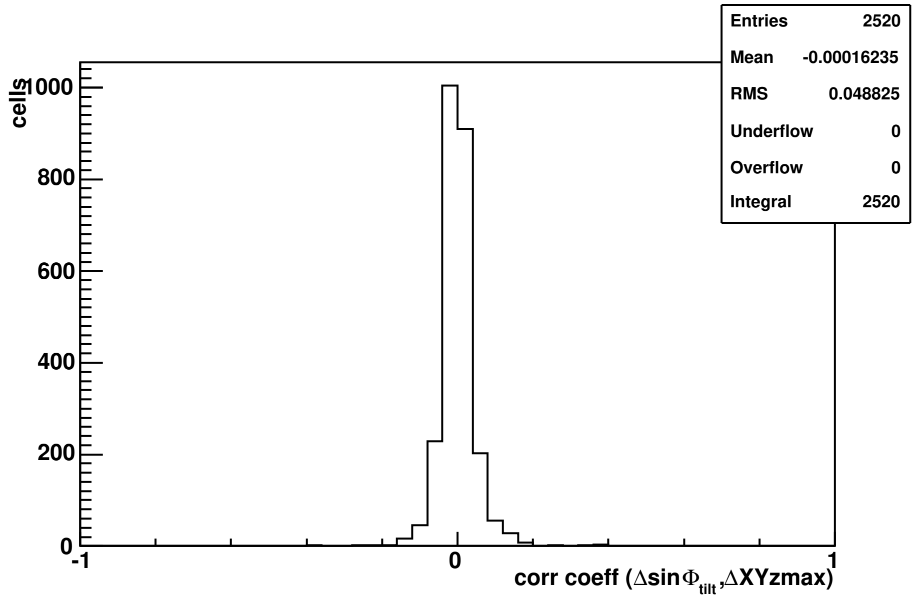


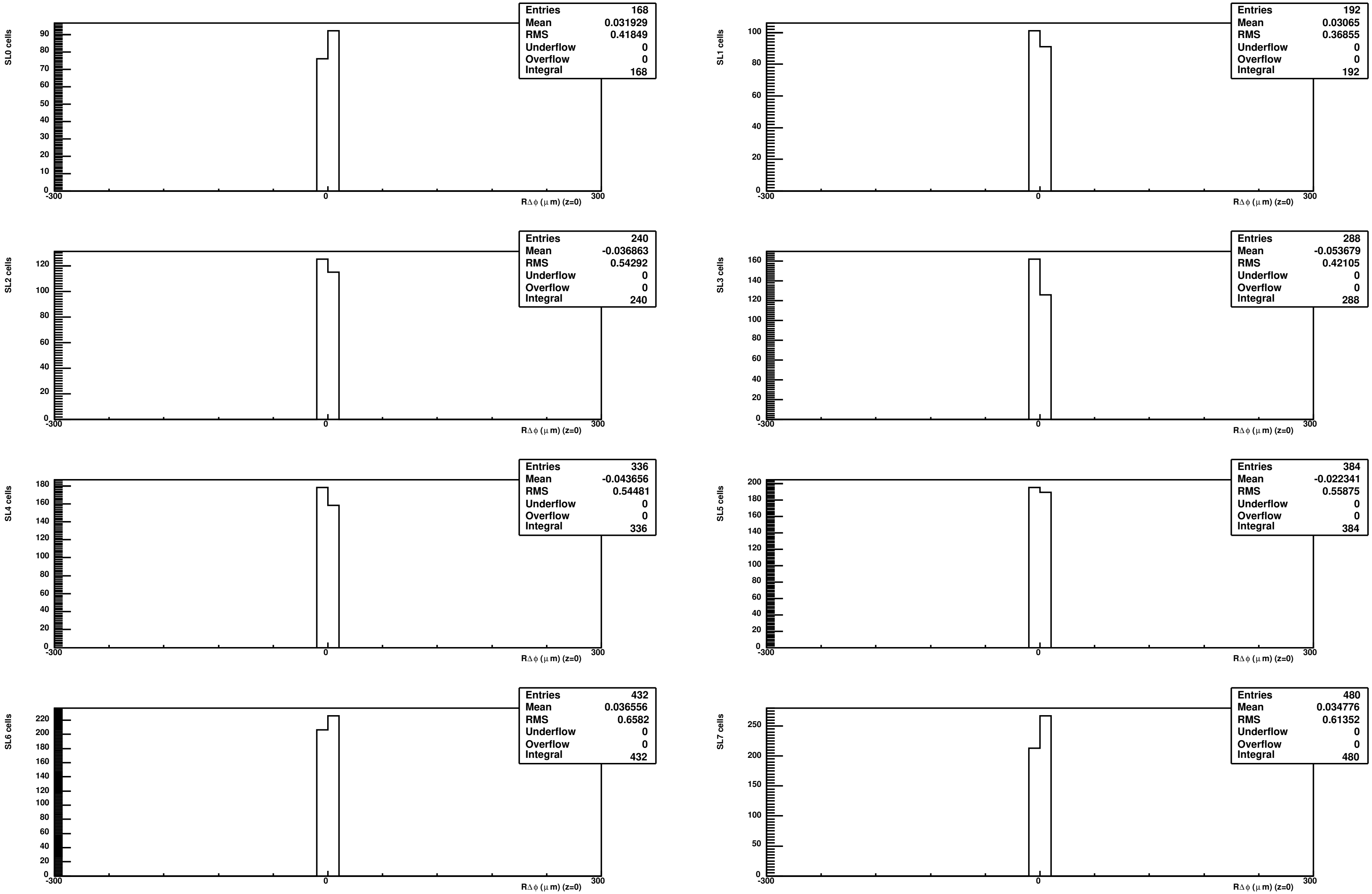
χ² / ndf 8.9426 / 12
Prob 0.70783
p0 -0.017563 ± 0.015383
p1 -0.0016542 ± 0.0062107
p2 -0.014747 ± 0.011796
Δ curv
φ₀
χ² / ndf 10.411 / 12
Prob 0.57995
p0 -0.0018924 ± 0.0063425
p1 0.0039504 ± 0.0025674
p2 -0.00097175 ± 0.00484580
Δ φ₀
φ₀
χ² / ndf 8.3608 / 12
Prob 0.75634
p0 -2.0426 ± 2.5124
p1 -0.28521 ± 1.01100
p2 -1.9494 ± 1.9163
Δ d₀
φ₀
χ² / ndf 9.206 / 12
Prob 0.68524
p0 3.3839e-05 ± 3.6072e-05
p1 -2.0626e-06 ± 1.4520e-05
p2 3.695e-05 ± 2.769e-05
Δ cotθ
×10⁻³
φ₀
χ² / ndf 6.8886 / 12
Prob 0.86488
p0 0.0018727 ± 0.0031669
p1 -0.00092734 ± 0.00127393
p2 0.0017881 ± 0.0024298
Δ z₀
φ₀
Δ t₀
φ₀


Entries 247292
Mean 0.015475
RMS 2.7772
Underflow 12030
Overflow 12213
Integral 1.9263e+05
cosmics
10000
8000
6000
4000
2000
0
-10
0
10
Δp_T

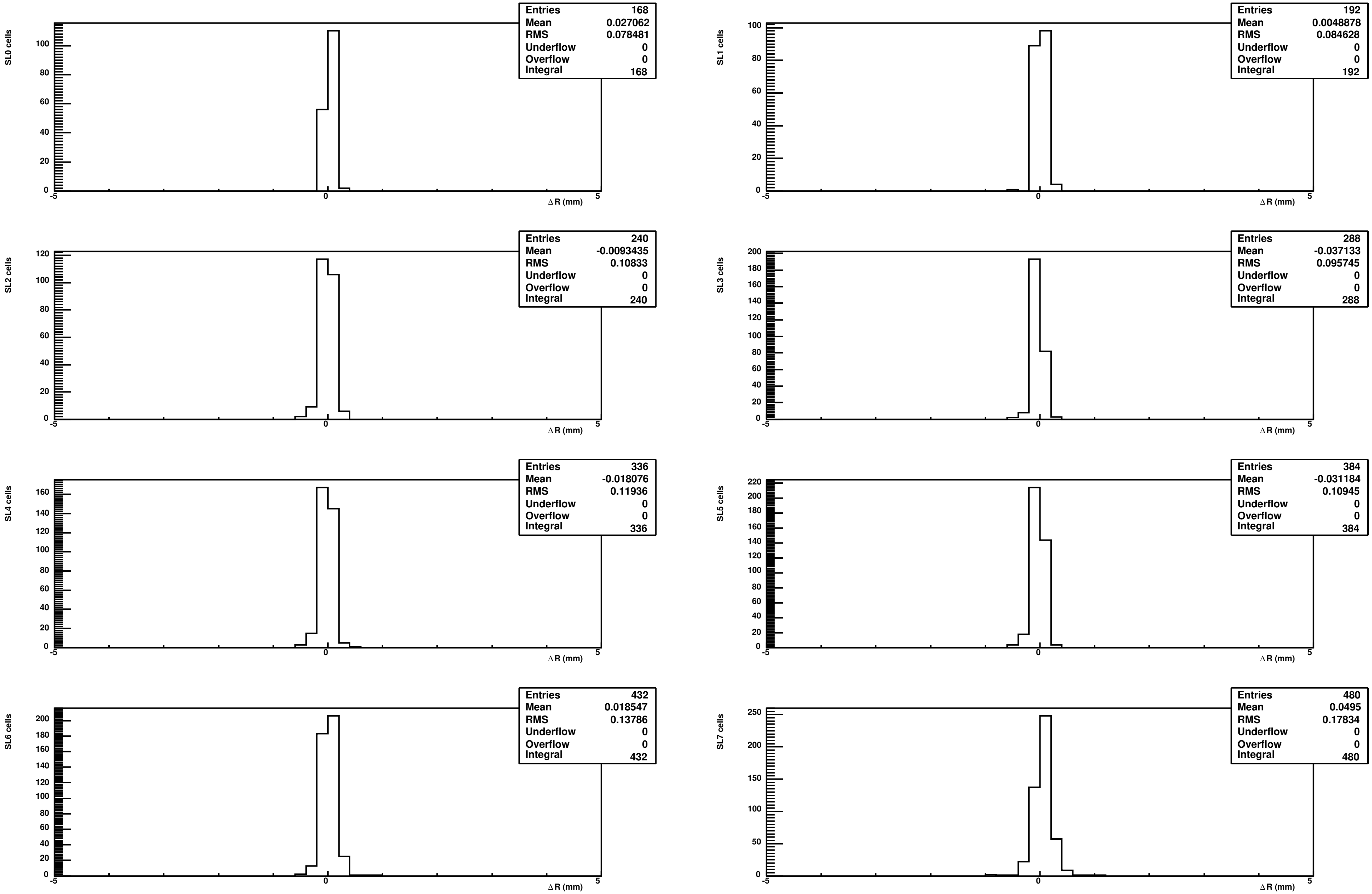

Entries 138259
Mean 0.022997
RMS 2.78
Underflow 5957.3
Overflow 5961.9
Integral 95923
cosmics
5000
4000
3000
2000
1000
0
-10
0
10
Δp_T (μ+)


Entries 109033
Mean 0.0080137
RMS 2.7743
Underflow 6072
Overflow 6250
Integral 96711
cosmics
5000
4000
3000
2000
1000
0
-10
0
10
Δp_T (μ-)

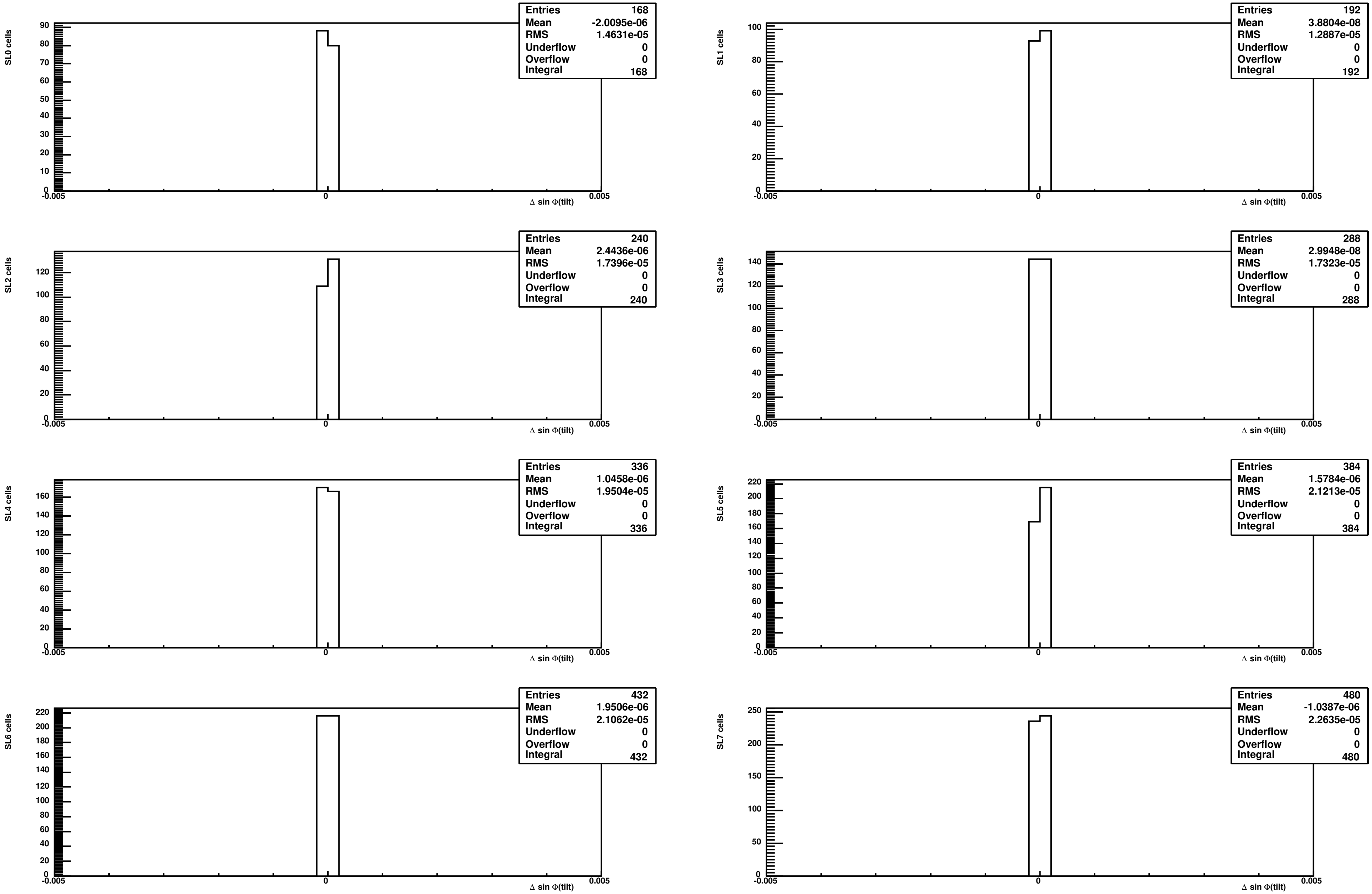

Entries 2520
Mean 0.00046833
RMS 0.12357
Underflow 0
Overflow 0
Integral 2520
cells
500
400
300
200
100
0
-1
0
1
corr coeff (ΔXYz0,ΔsinΦ$_{tilt}$)

Entries 2520
Mean 0.0022795
RMS 0.093254
Underflow 0
Overflow 0
Integral 2520
cells
800
700
600
500
400
300
200
100
0
-1
0
1
corr coeff (ΔXYz0,ΔXYzmax)

Entries 2520
Mean -0.00016235
RMS 0.048825
Underflow 0
Overflow 0
Integral 2520
cells
1000
800
600
400
200
0
-1
0
1
corr coeff (ΔsinΦ$_{tilt}$,ΔXYzmax)

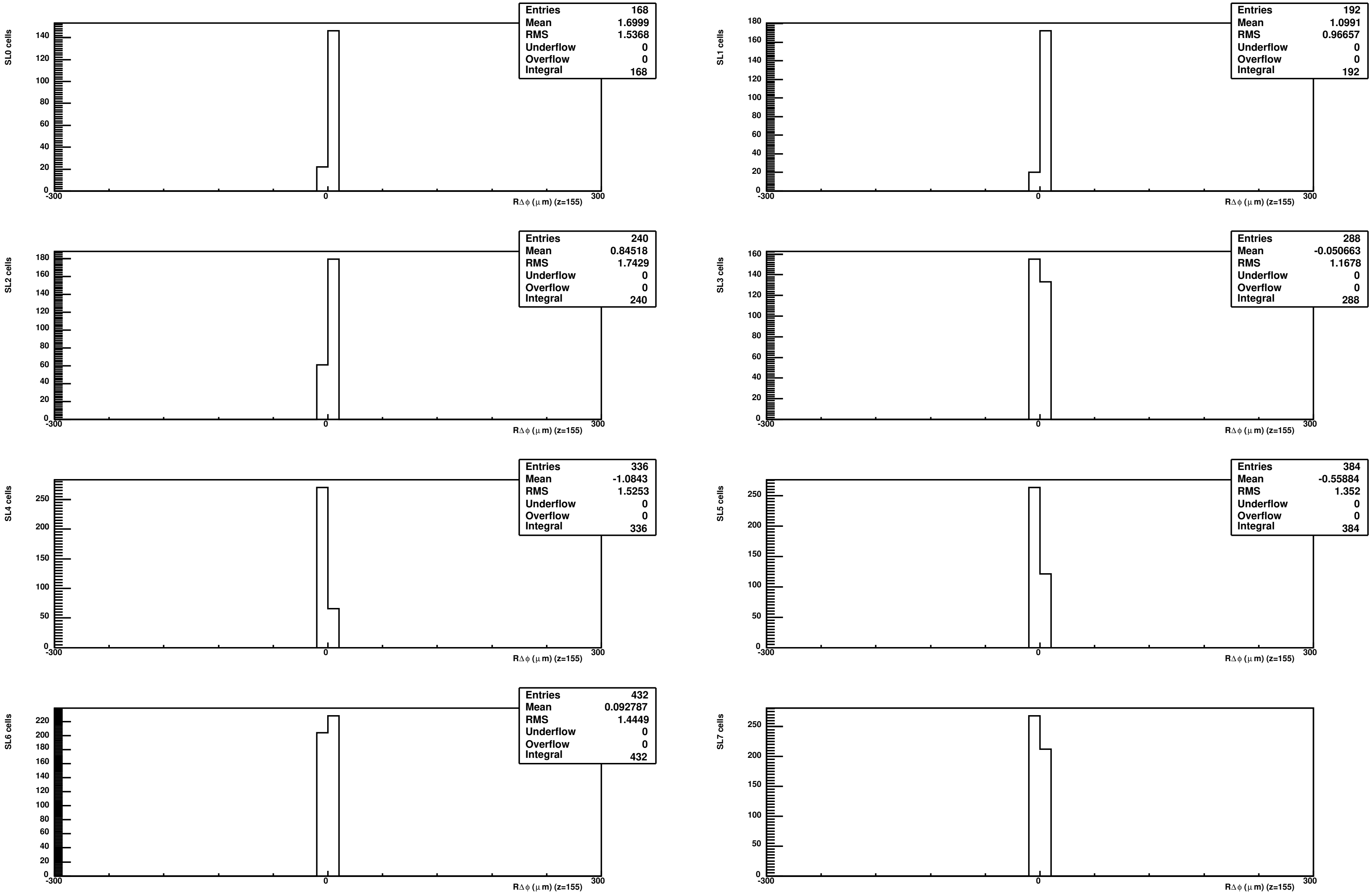


SL0 cells
Entries 168
Mean 0.031929
RMS 0.41849
Underflow 0
Overflow 0
Integral 168
RΔϕ (μm) (z=0)
SL1 cells
Entries 192
Mean 0.03065
RMS 0.36855
Underflow 0
Overflow 0
Integral 192
RΔϕ (μm) (z=0)
SL2 cells
Entries 240
Mean -0.036863
RMS 0.54292
Underflow 0
Overflow 0
Integral 240
RΔϕ (μm) (z=0)
SL3 cells
Entries 288
Mean -0.053679
RMS 0.42105
Underflow 0
Overflow 0
Integral 288
RΔϕ (μm) (z=0)
SL4 cells
Entries 336
Mean -0.043656
RMS 0.54481
Underflow 0
Overflow 0
Integral 336
RΔϕ (μm) (z=0)
SL5 cells
Entries 384
Mean -0.022341
RMS 0.55875
Underflow 0
Overflow 0
Integral 384
RΔϕ (μm) (z=0)
SL6 cells
Entries 432
Mean 0.036556
RMS 0.6582
Underflow 0
Overflow 0
Integral 432
RΔϕ (μm) (z=0)
SL7 cells
Entries 480
Mean 0.034776
RMS 0.61352
Underflow 0
Overflow 0
Integral 480
RΔϕ (μm) (z=0)

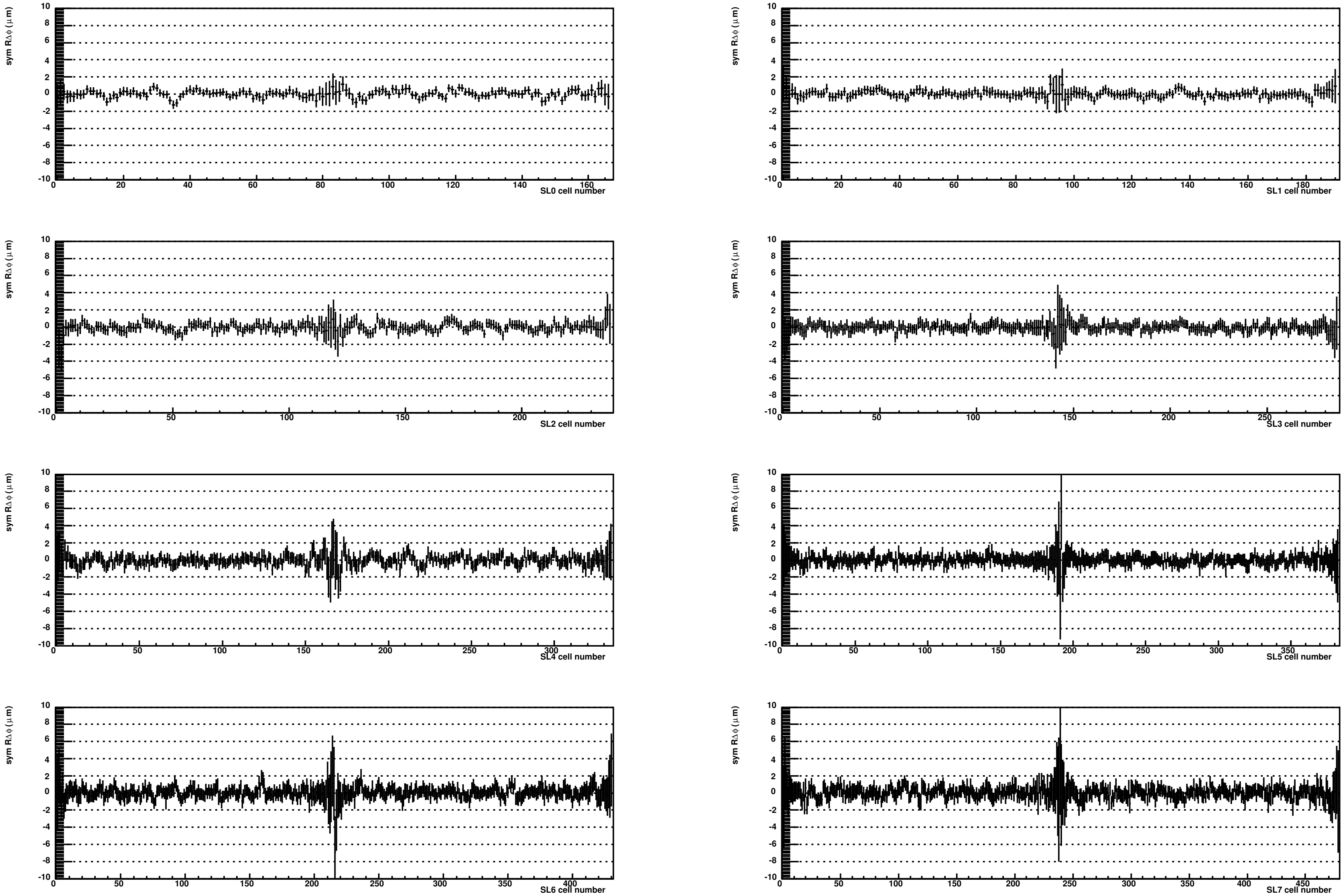


SL0 cells
Entries 168
Mean 0.027062
RMS 0.078481
Underflow 0
Overflow 0
Integral 168
ΔR (mm)
SL1 cells
Entries 192
Mean 0.0048878
RMS 0.084628
Underflow 0
Overflow 0
Integral 192
ΔR (mm)
SL2 cells
Entries 240
Mean -0.0093435
RMS 0.10833
Underflow 0
Overflow 0
Integral 240
ΔR (mm)
SL3 cells
Entries 288
Mean -0.037133
RMS 0.095745
Underflow 0
Overflow 0
Integral 288
ΔR (mm)
SL4 cells
Entries 336
Mean -0.018076
RMS 0.11936
Underflow 0
Overflow 0
Integral 336
ΔR (mm)
SL5 cells
Entries 384
Mean -0.031184
RMS 0.10945
Underflow 0
Overflow 0
Integral 384
ΔR (mm)
SL6 cells
Entries 432
Mean 0.018547
RMS 0.13786
Underflow 0
Overflow 0
Integral 432
ΔR (mm)
SL7 cells
Entries 480
Mean 0.0495
RMS 0.17834
Underflow 0
Overflow 0
Integral 480
ΔR (mm)

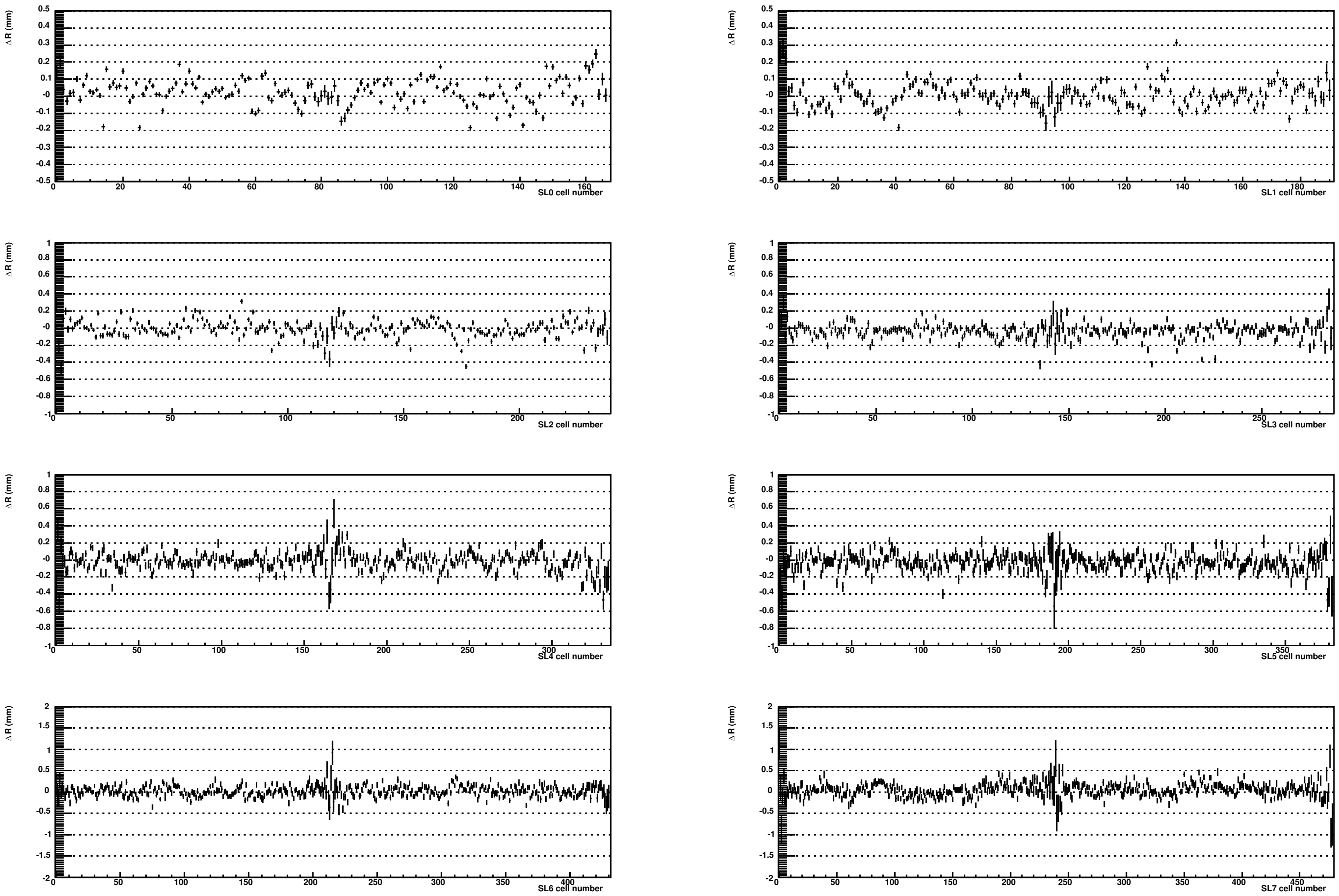

SL0 cells
Entries 168
Mean -2.0095e-06
RMS 1.4631e-05
Underflow 0
Overflow 0
Integral 168
Δ sin Φ(tilt)
SL1 cells
Entries 192
Mean 3.8804e-08
RMS 1.2887e-05
Underflow 0
Overflow 0
Integral 192
Δ sin Φ(tilt)
SL2 cells
Entries 240
Mean 2.4436e-06
RMS 1.7396e-05
Underflow 0
Overflow 0
Integral 240
Δ sin Φ(tilt)
SL3 cells
Entries 288
Mean 2.9948e-08
RMS 1.7323e-05
Underflow 0
Overflow 0
Integral 288
Δ sin Φ(tilt)
SL4 cells
Entries 336
Mean 1.0458e-06
RMS 1.9504e-05
Underflow 0
Overflow 0
Integral 336
Δ sin Φ(tilt)
SL5 cells
Entries 384
Mean 1.5784e-06
RMS 2.1213e-05
Underflow 0
Overflow 0
Integral 384
Δ sin Φ(tilt)
SL6 cells
Entries 432
Mean 1.9506e-06
RMS 2.1062e-05
Underflow 0
Overflow 0
Integral 432
Δ sin Φ(tilt)
SL7 cells
Entries 480
Mean -1.0387e-06
RMS 2.2635e-05
Underflow 0
Overflow 0
Integral 480
Δ sin Φ(tilt)
-0.005
0
0.005



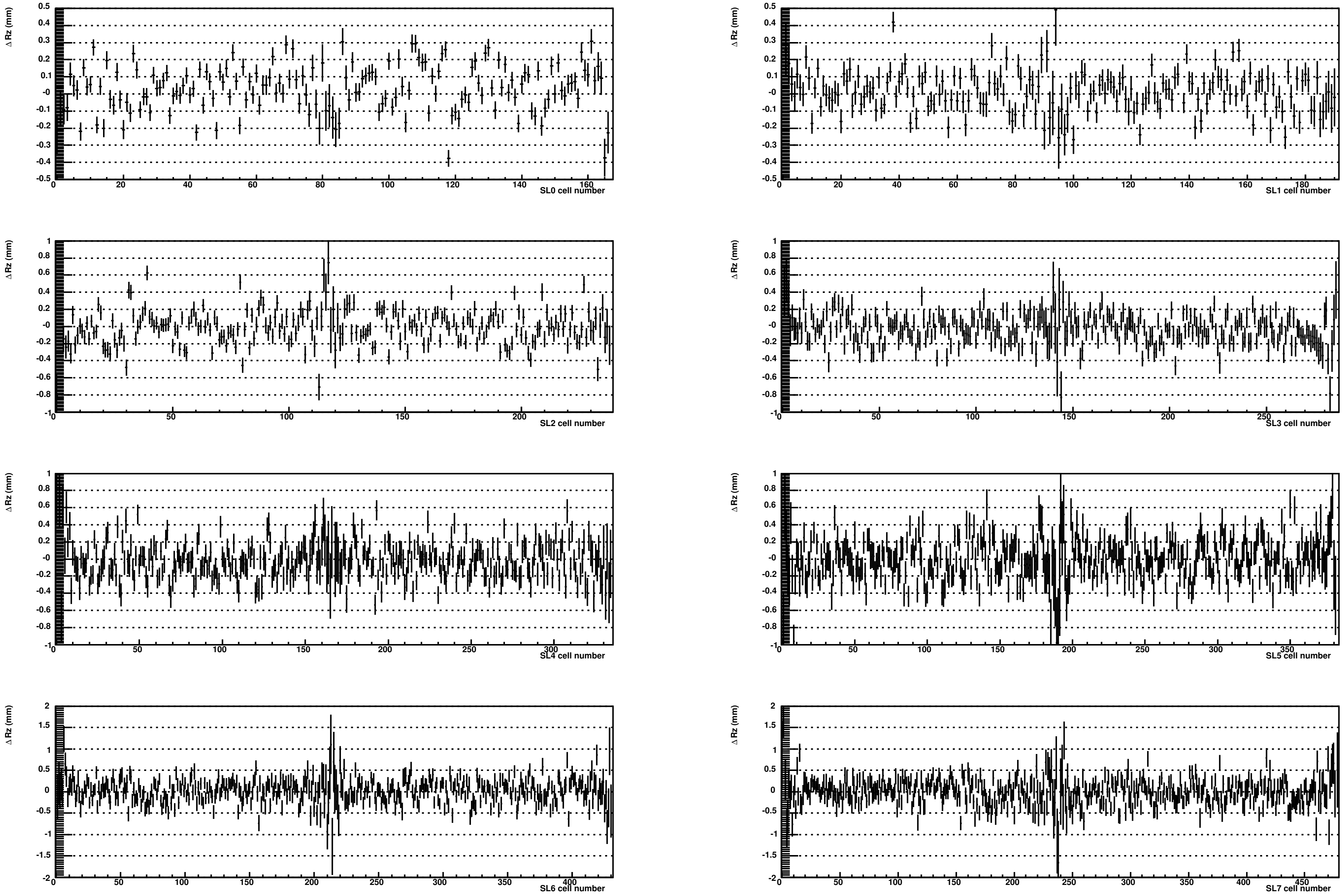
Entries 168
Mean 1.6999
RMS 1.5368
Underflow 0
Overflow 0
Integral 168
SL0 cells
RΔϕ (μm) (z=155)
Entries 192
Mean 1.0991
RMS 0.96657
Underflow 0
Overflow 0
Integral 192
SL1 cells
RΔϕ (μm) (z=155)
Entries 240
Mean 0.84518
RMS 1.7429
Underflow 0
Overflow 0
Integral 240
SL2 cells
RΔϕ (μm) (z=155)
Entries 288
Mean -0.050663
RMS 1.1678
Underflow 0
Overflow 0
Integral 288
SL3 cells
RΔϕ (μm) (z=155)
Entries 336
Mean -1.0843
RMS 1.5253
Underflow 0
Overflow 0
Integral 336
SL4 cells
RΔϕ (μm) (z=155)
Entries 384
Mean -0.55884
RMS 1.352
Underflow 0
Overflow 0
Integral 384
SL5 cells
RΔϕ (μm) (z=155)
Entries 432
Mean 0.092787
RMS 1.4449
Underflow 0
Overflow 0
Integral 432
SL6 cells
RΔϕ (μm) (z=155)
SL7 cells
RΔϕ (μm) (z=155)



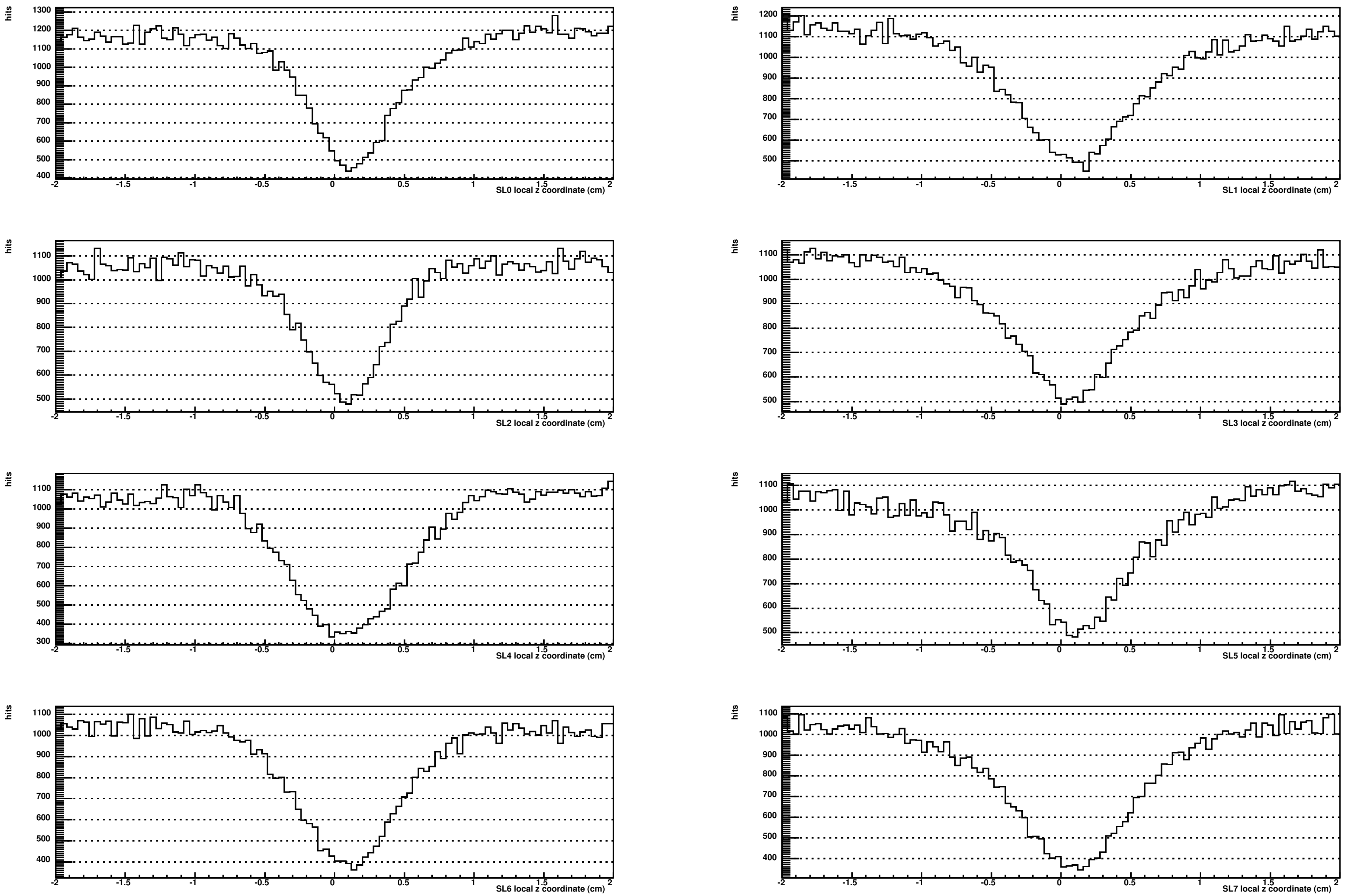
sym RΔϕ (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

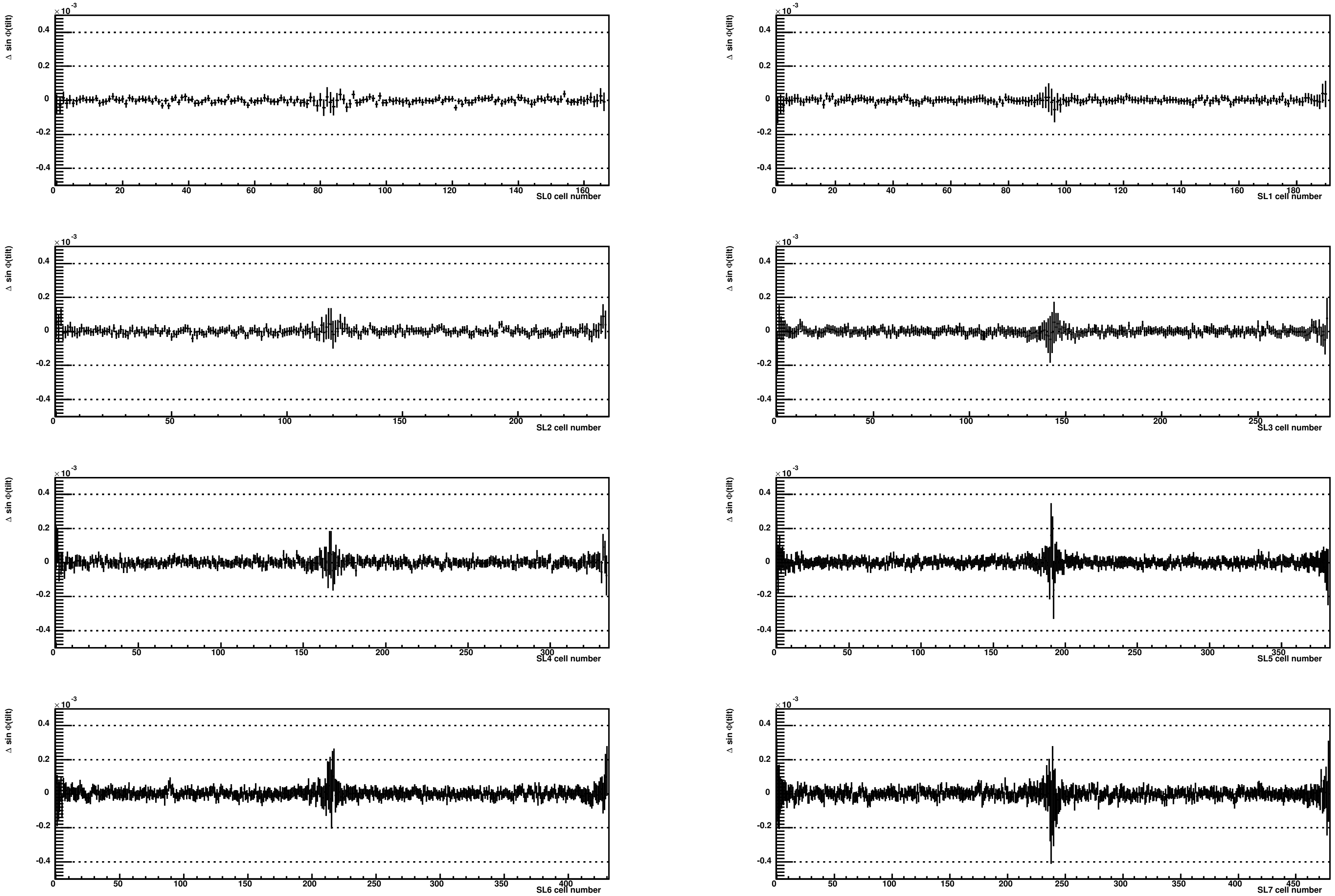


ΔR (mm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

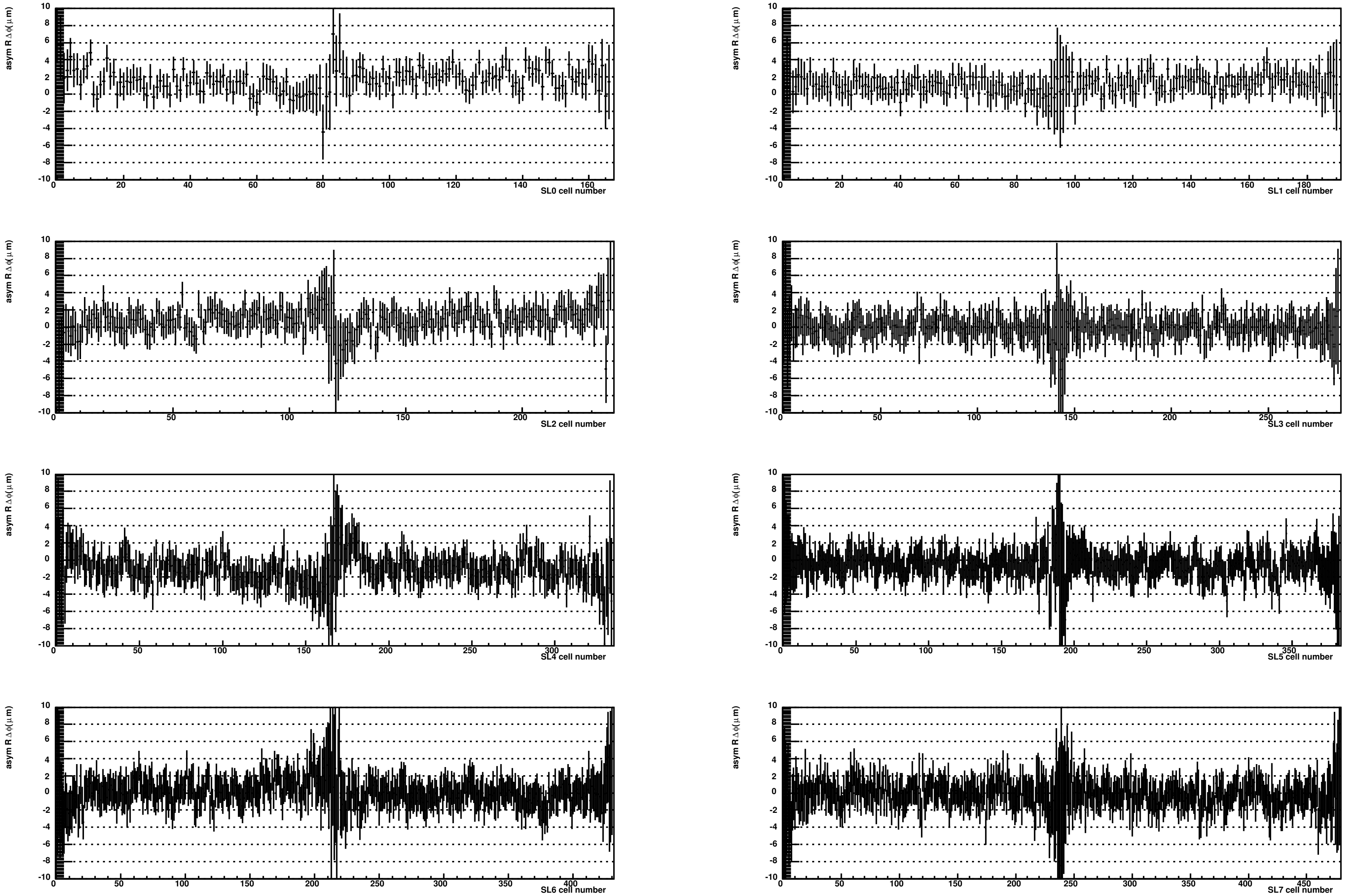


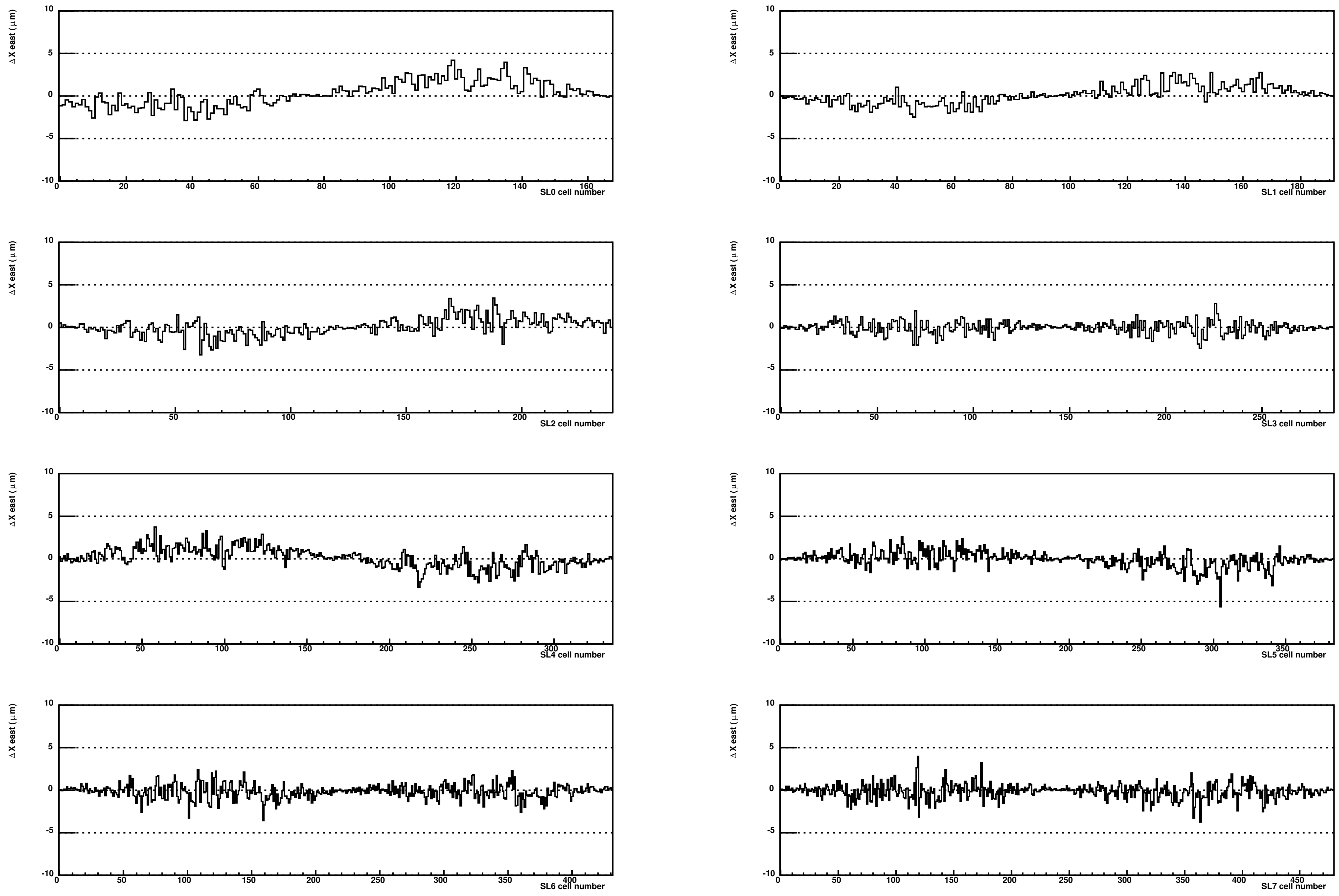
Δ Rz (mm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number


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

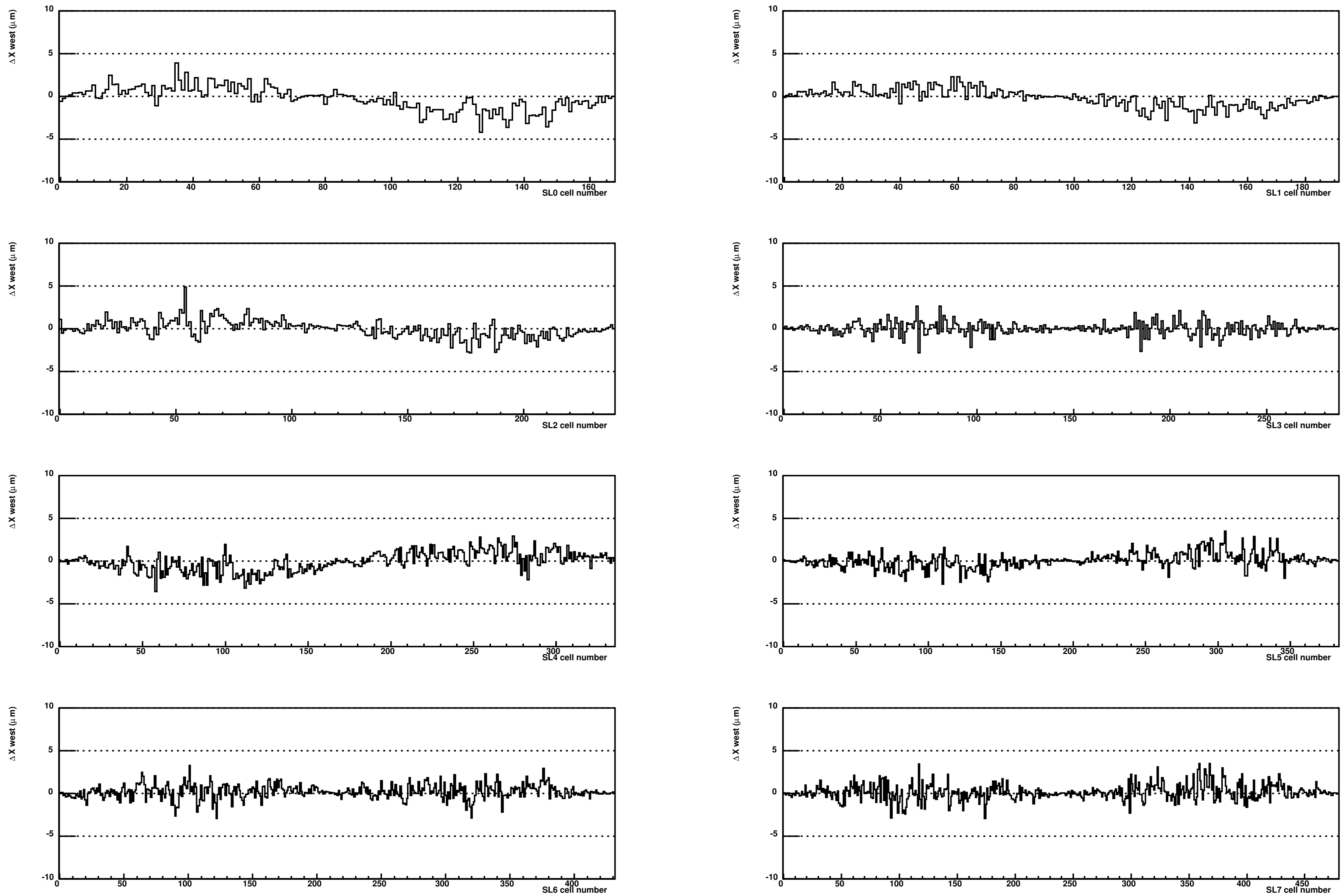


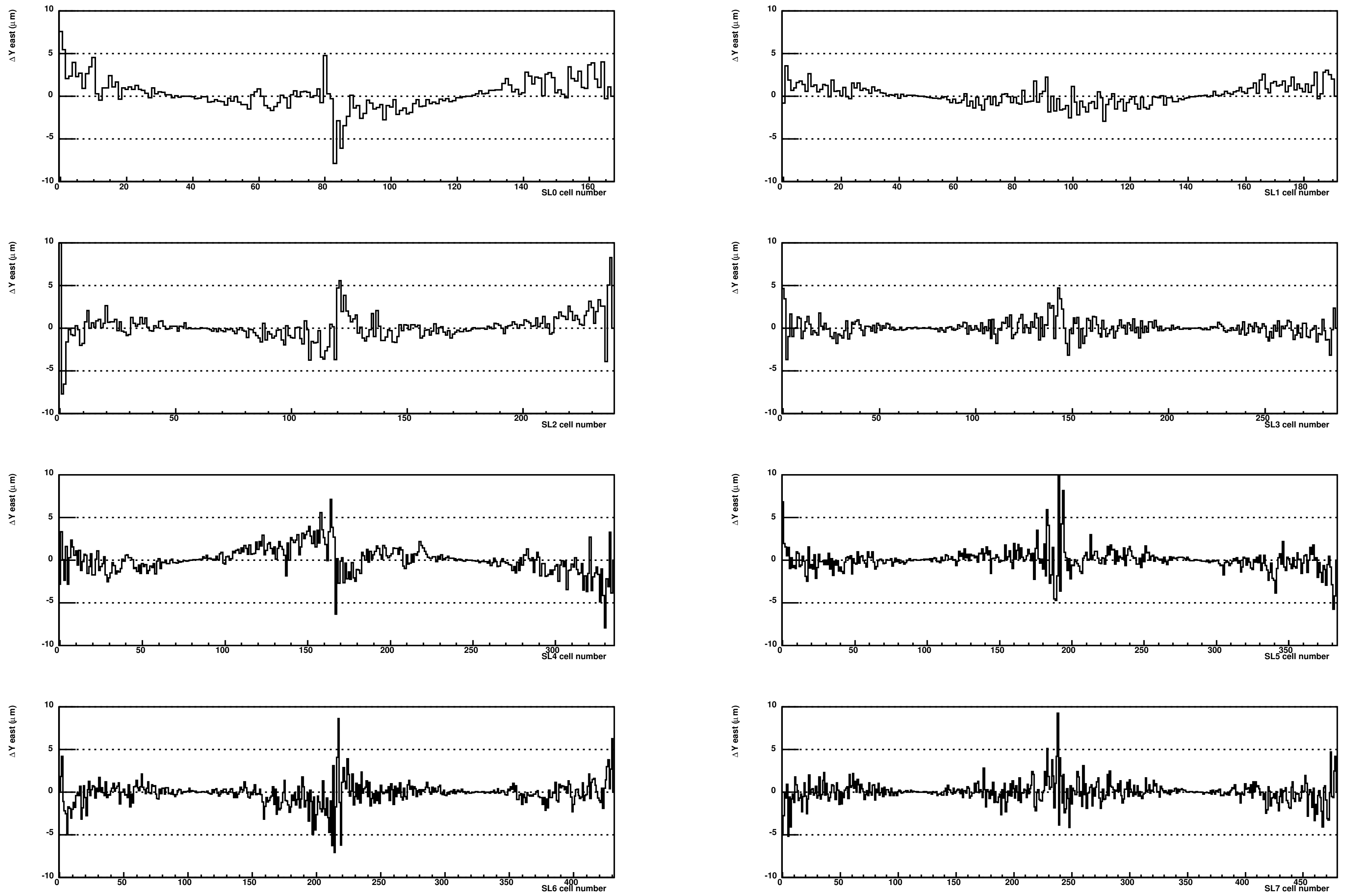
Δ sin Φ(tilt)
×10^-3
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number


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

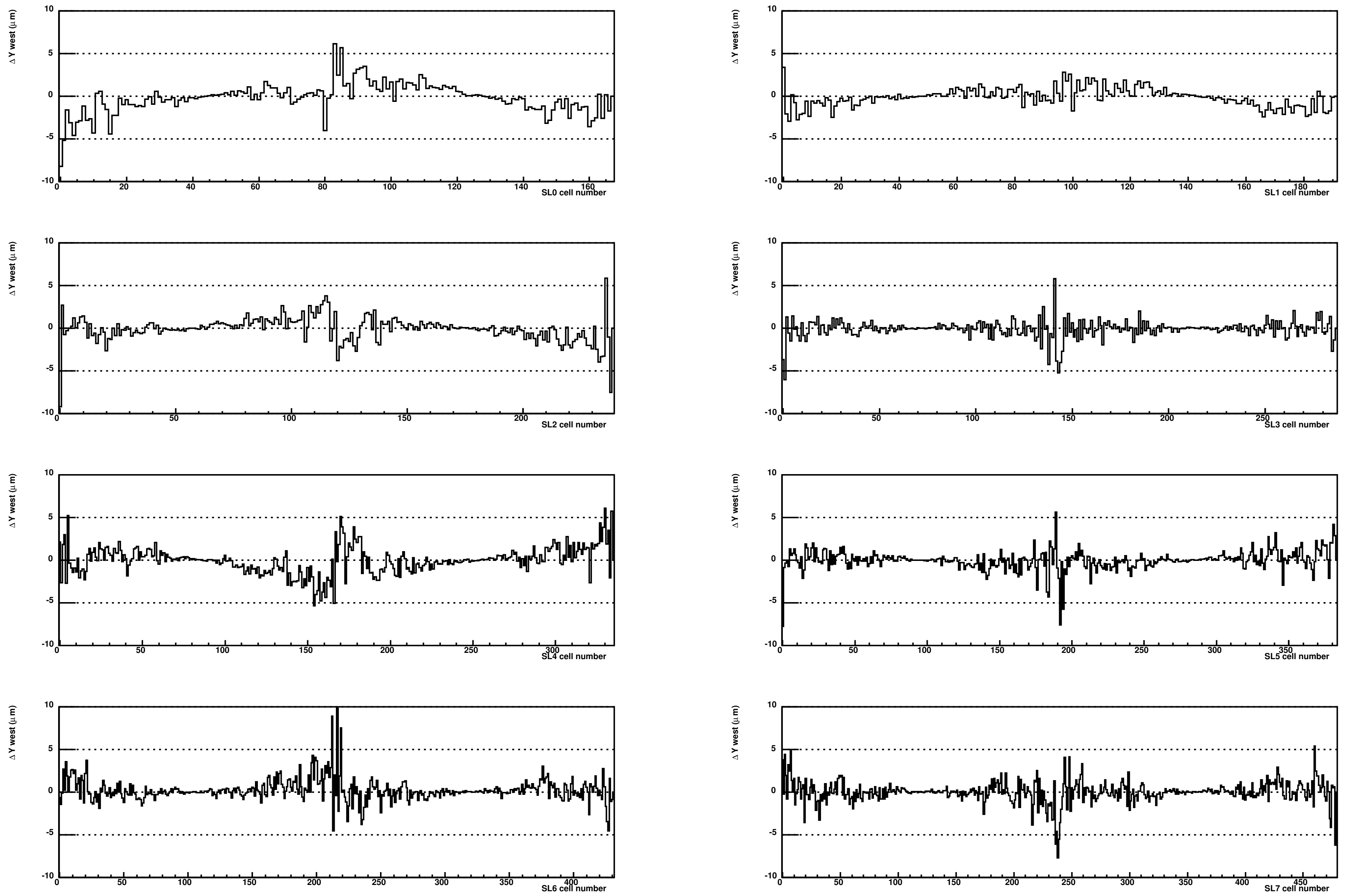


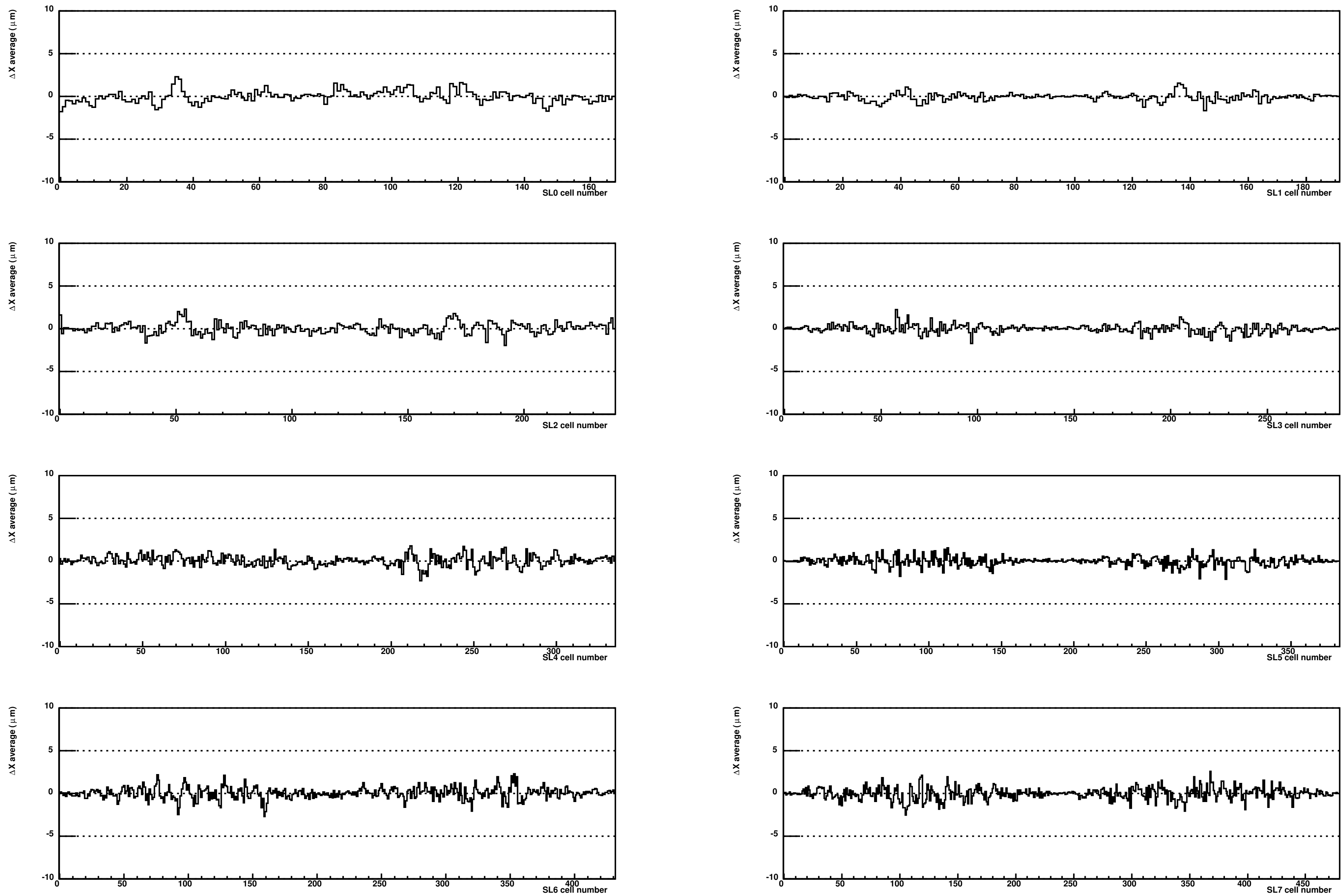
ΔX east (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number


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

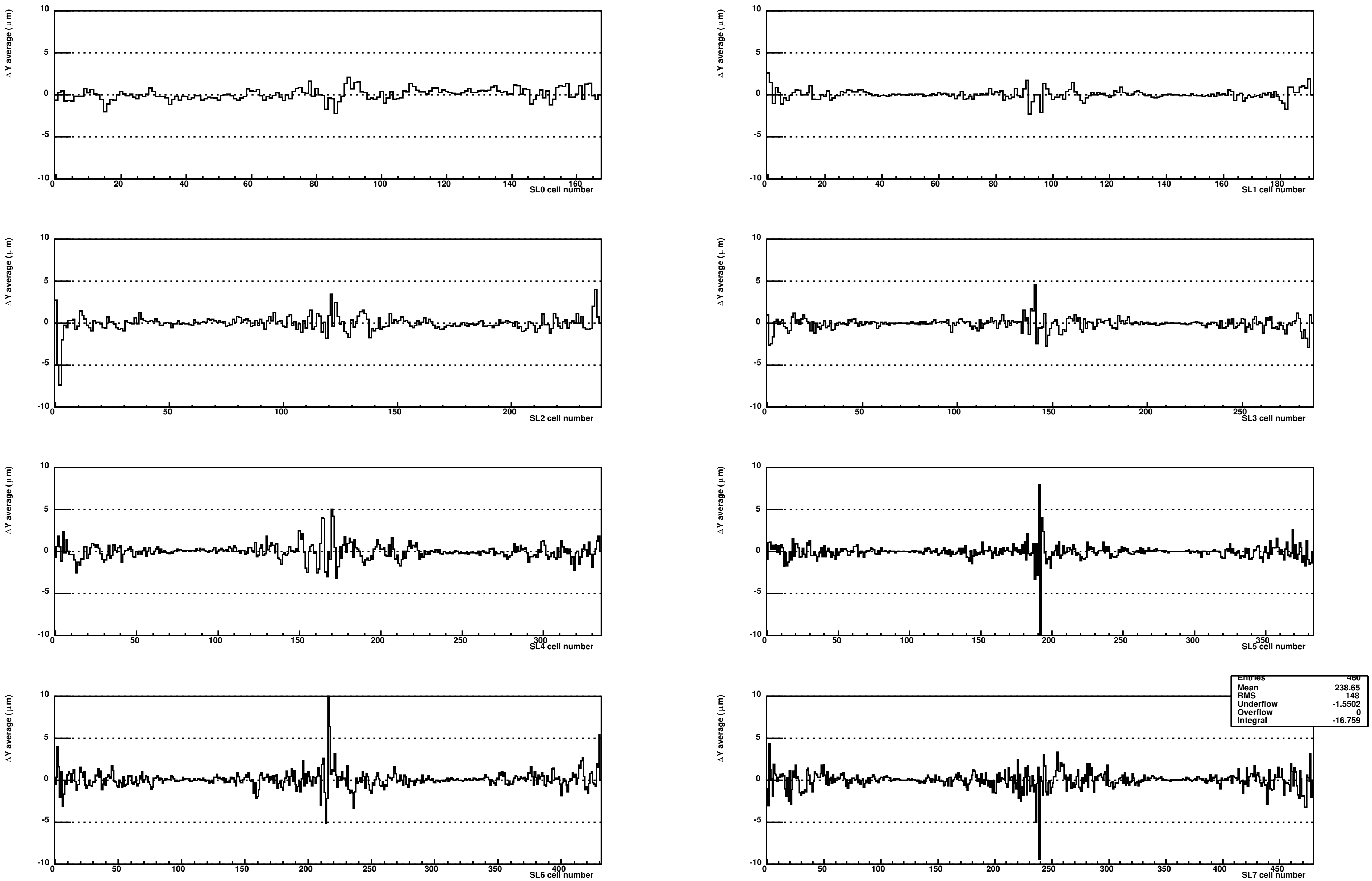


Δ Y east (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number

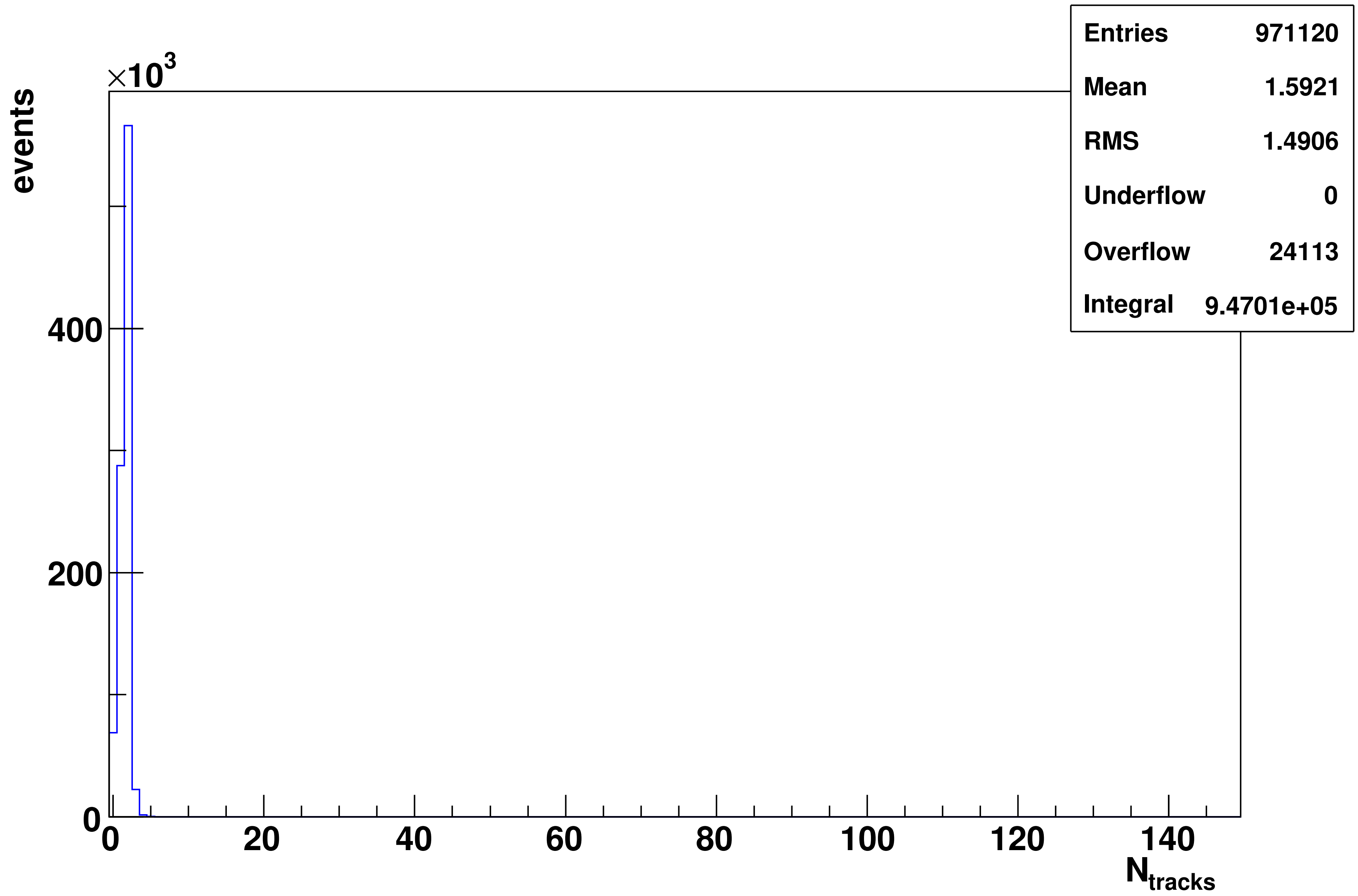

Δ Y west (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



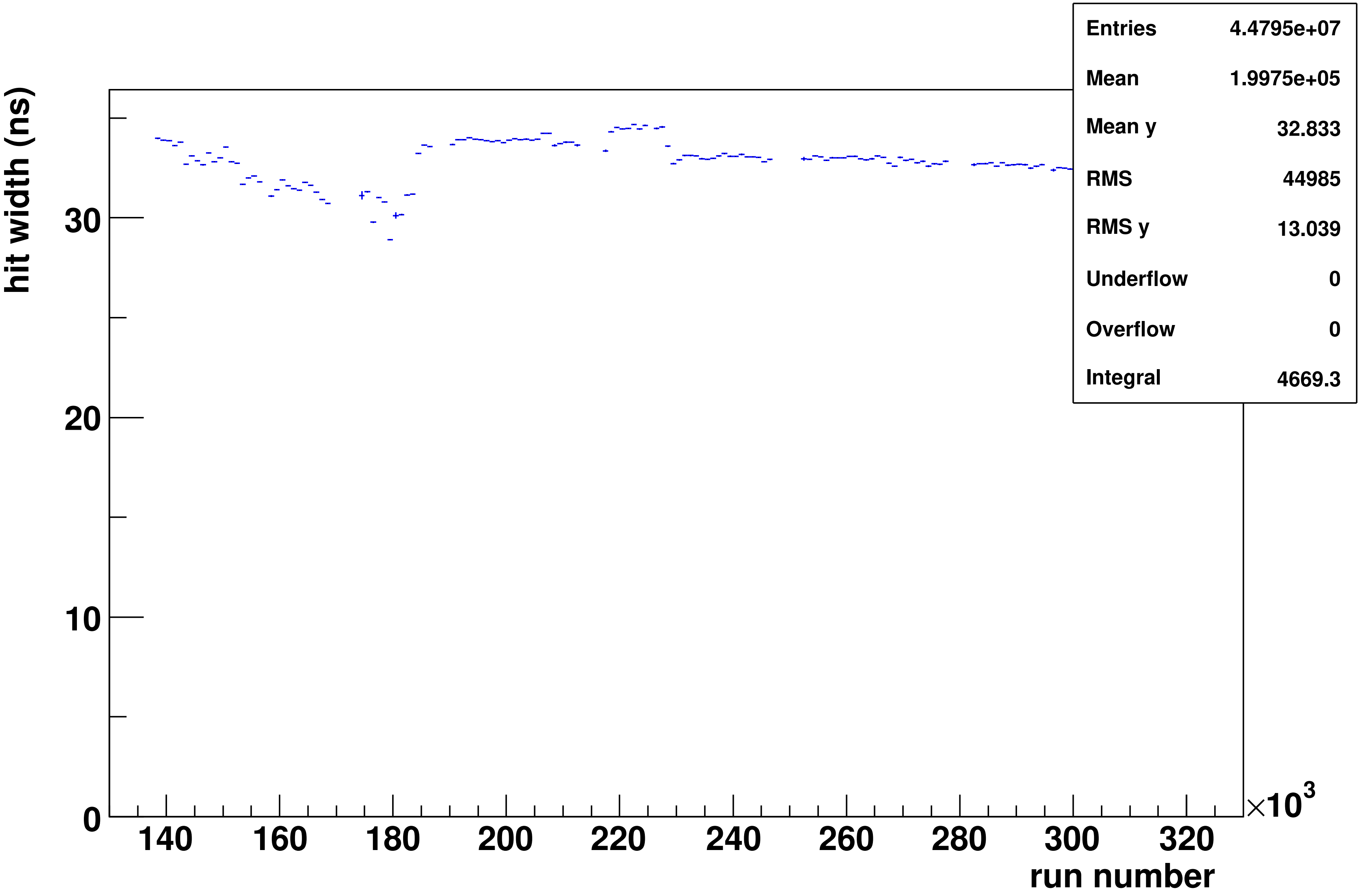
ΔX average (μm)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number



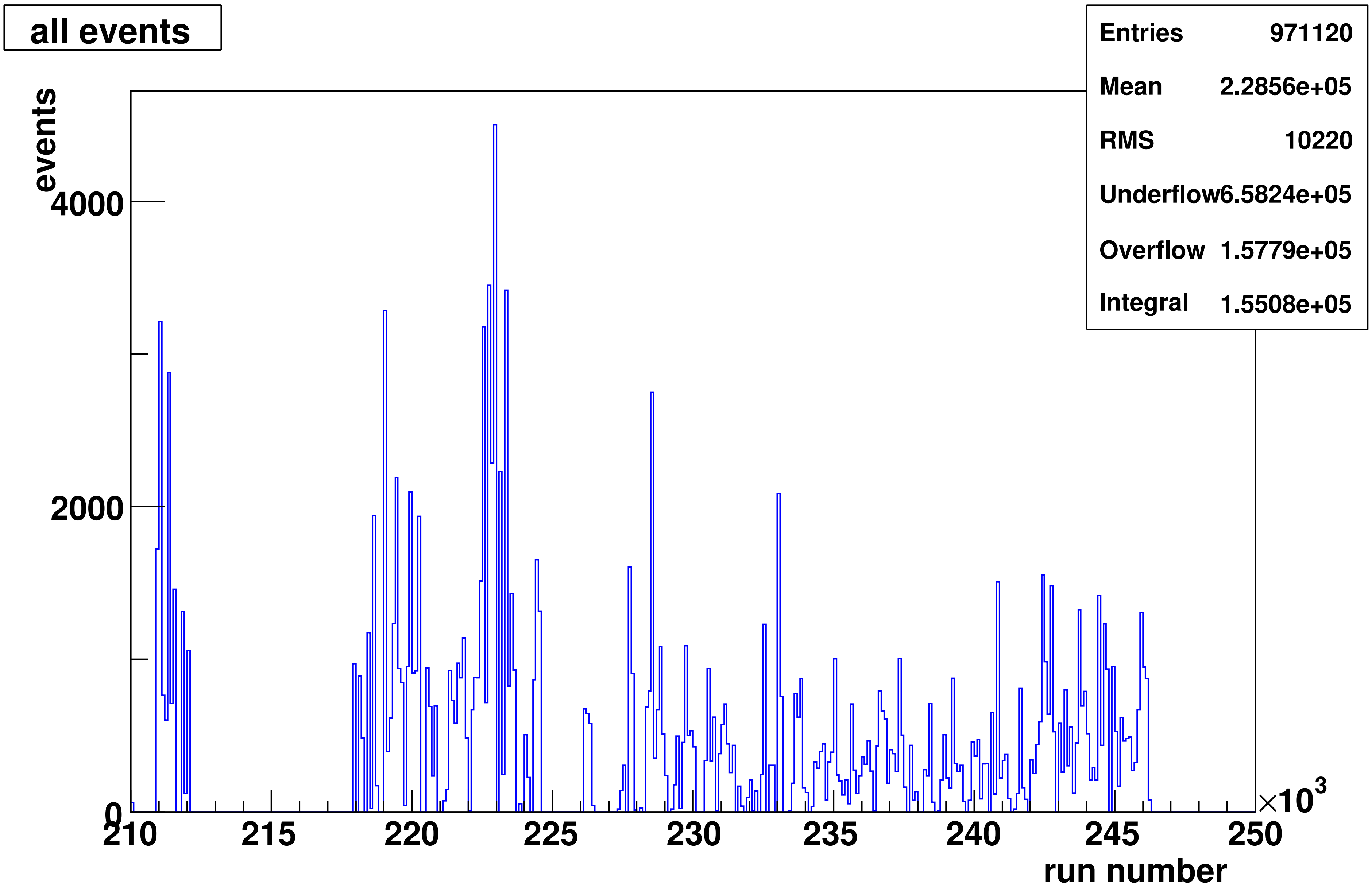
Δ Y average (μ m)
SL0 cell number
SL1 cell number
SL2 cell number
SL3 cell number
SL4 cell number
SL5 cell number
SL6 cell number
SL7 cell number
Entries 480
Mean 238.65
RMS 148
Underflow -1.5502
Overflow 0
Integral -16.759



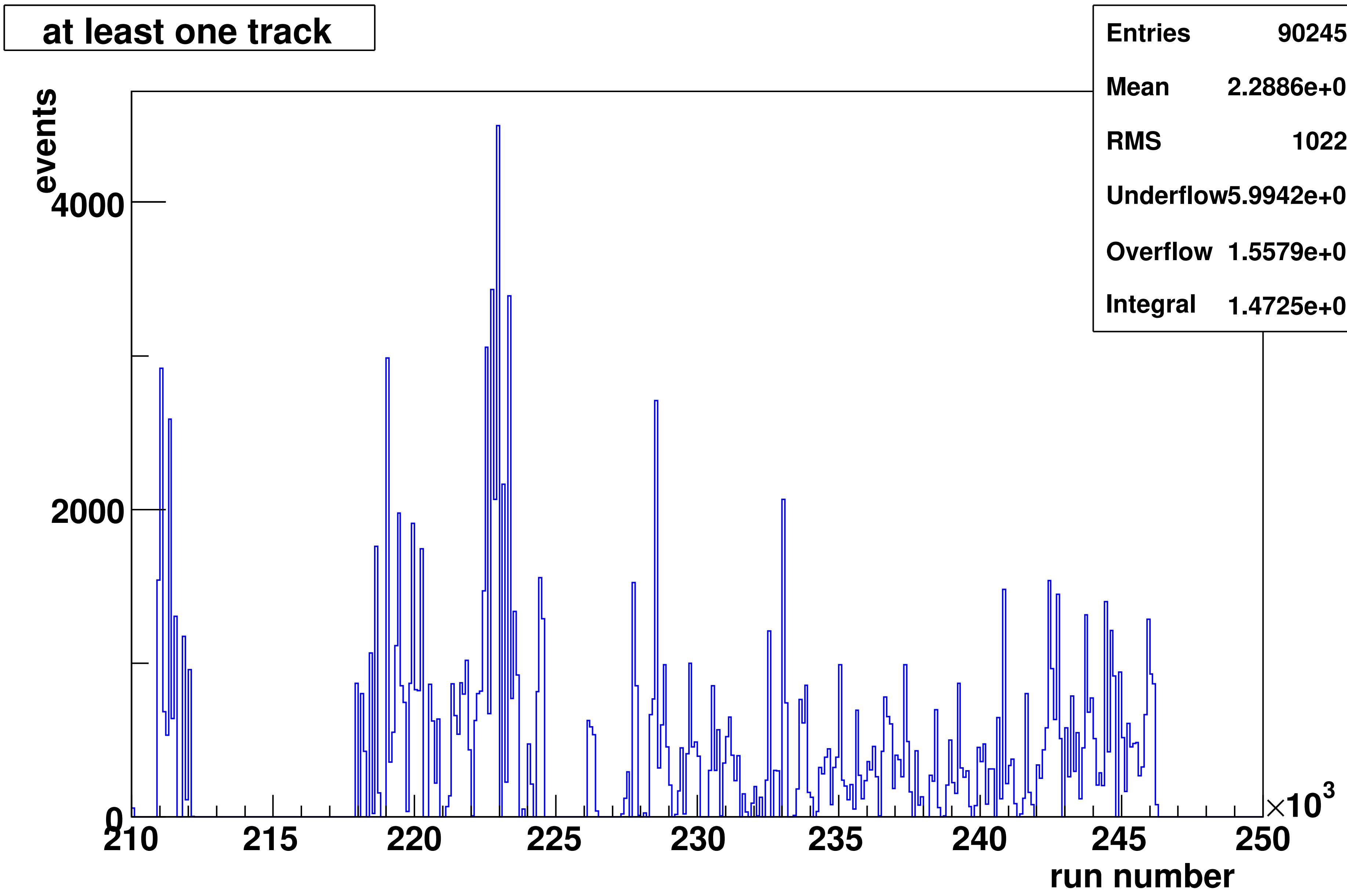
Entries 971120
Mean 1.5921
RMS 1.4906
Underflow 0
Overflow 24113
Integral 9.4701e+05
×10^3
events
400
200
0
0
20
40
60
80
100
120
140
N_tracks



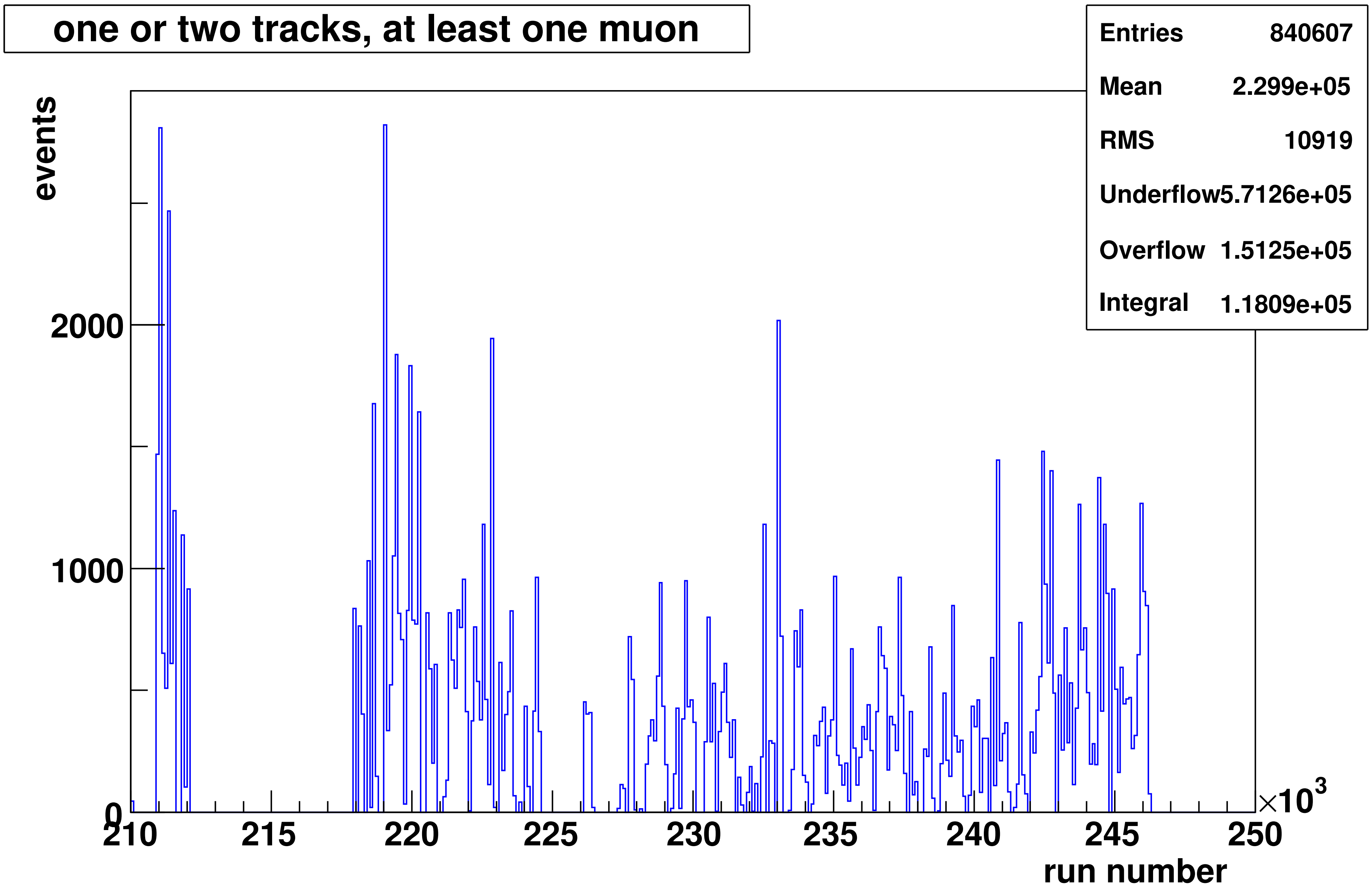
Entries 4.4795e+07
Mean 1.9975e+05
Mean y 32.833
RMS 44985
RMS y 13.039
Underflow 0
Overflow 0
Integral 4669.3
hit width (ns)
0
10
20
30
140
160
180
200
220
240
260
280
300
320
$\times 10^3$
run number



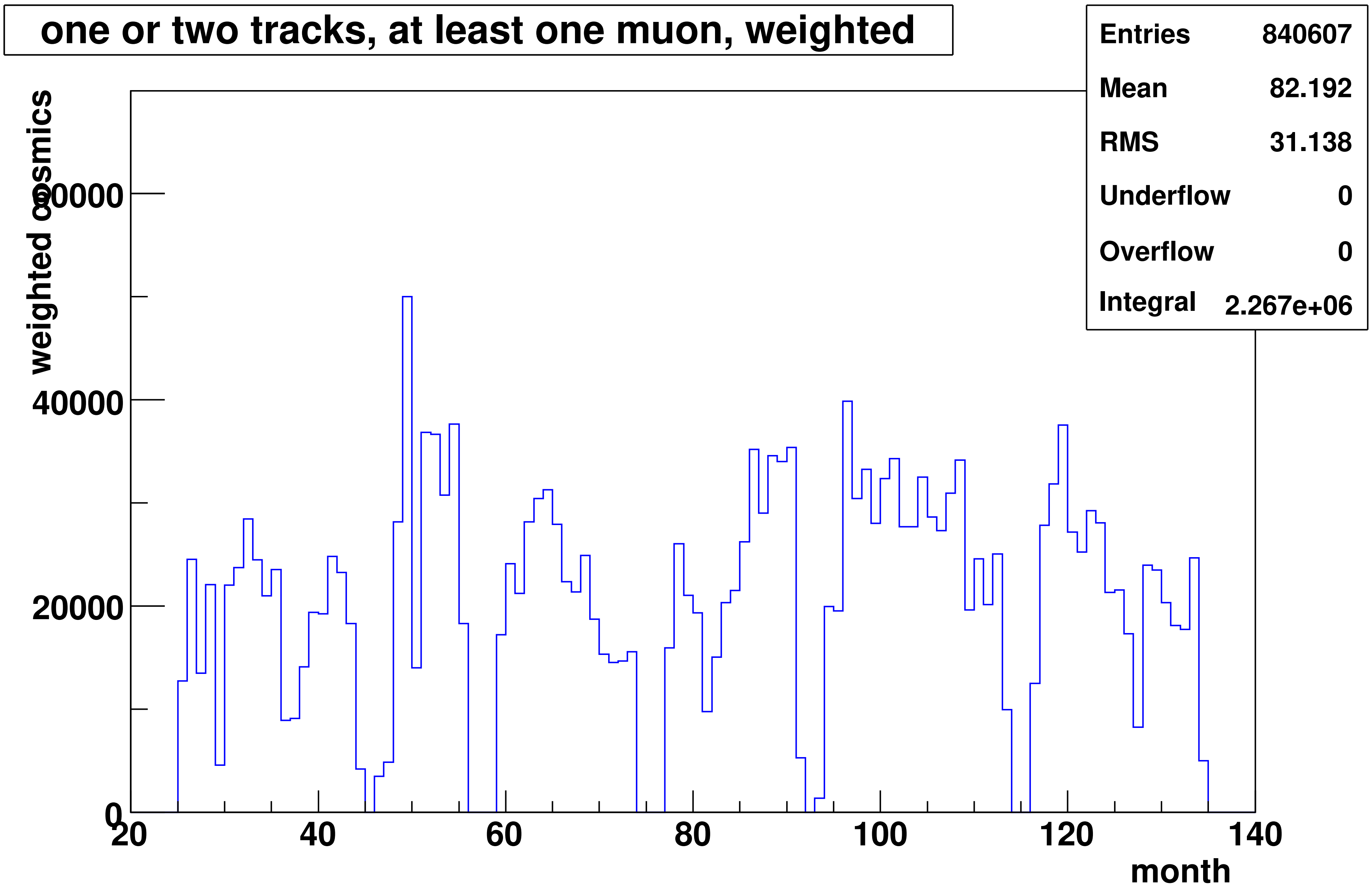
all events
events
4000
2000
0
210
215
220
225
230
235
240
245
250
$\times 10^3$
run number
Entries 971120
Mean 2.2856e+05
RMS 10220
Underflow 6.5824e+05
Overflow 1.5779e+05
Integral 1.5508e+05



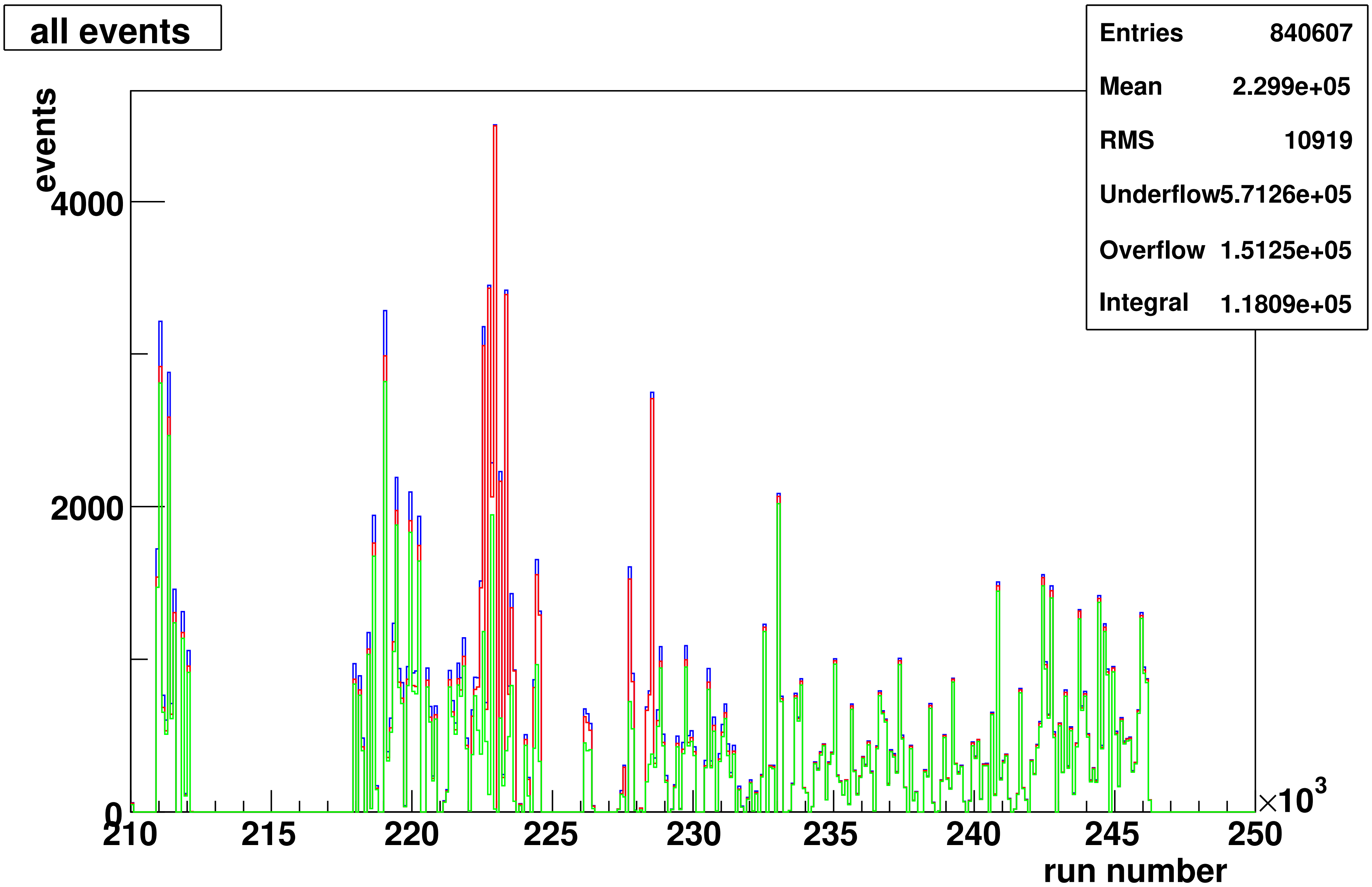
at least one track
Entries 902452
Mean 2.2886e+05
RMS 10220
Underflow 5.9942e+05
Overflow 1.5579e+05
Integral 1.4725e+05
events
0
2000
4000
210
215
220
225
230
235
240
245
250
$\times10^3$
run number

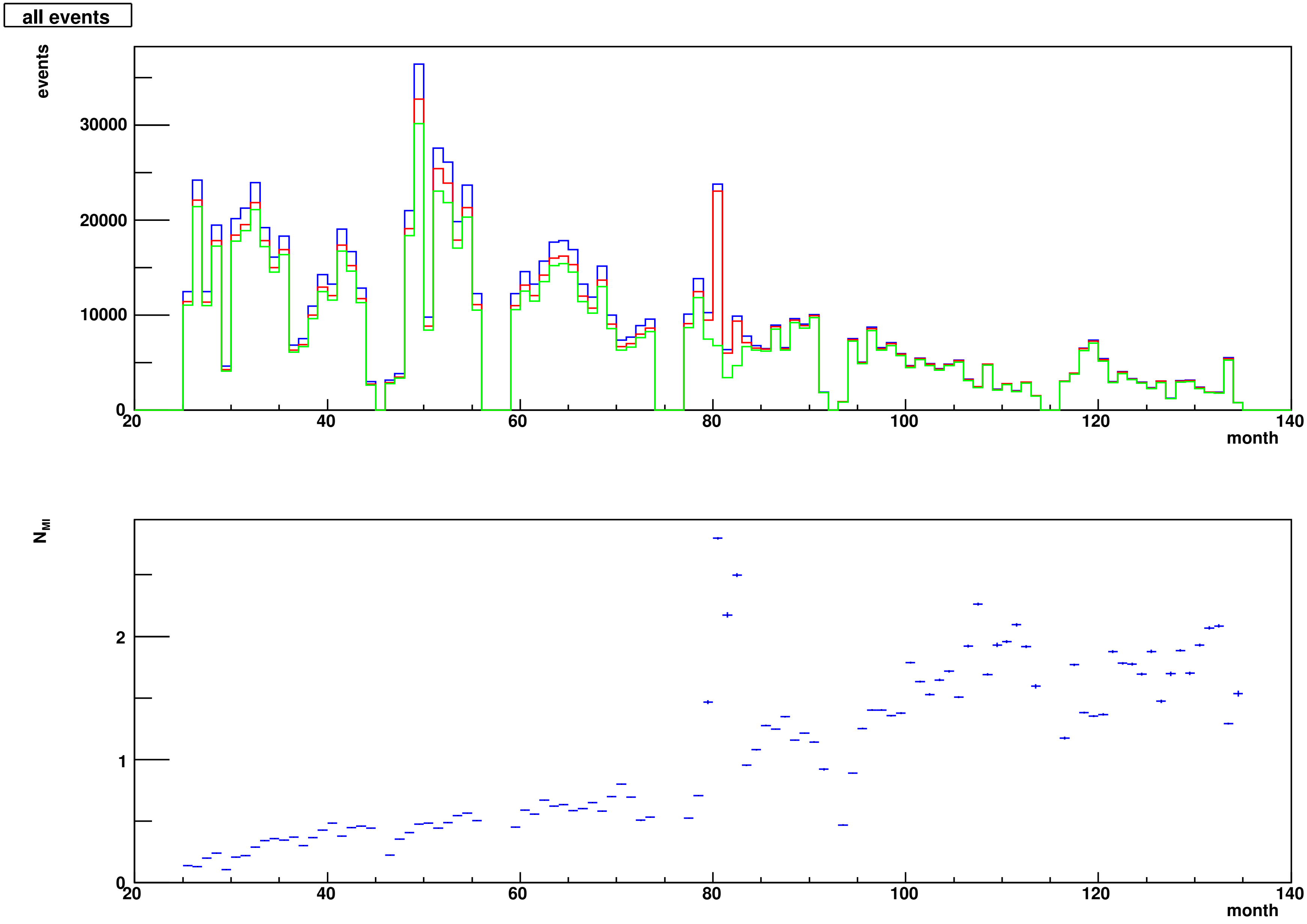


one or two tracks, at least one muon
Entries 840607
Mean 2.299e+05
RMS 10919
Underflow 5.7126e+05
Overflow 1.5125e+05
Integral 1.1809e+05
events
2000
1000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

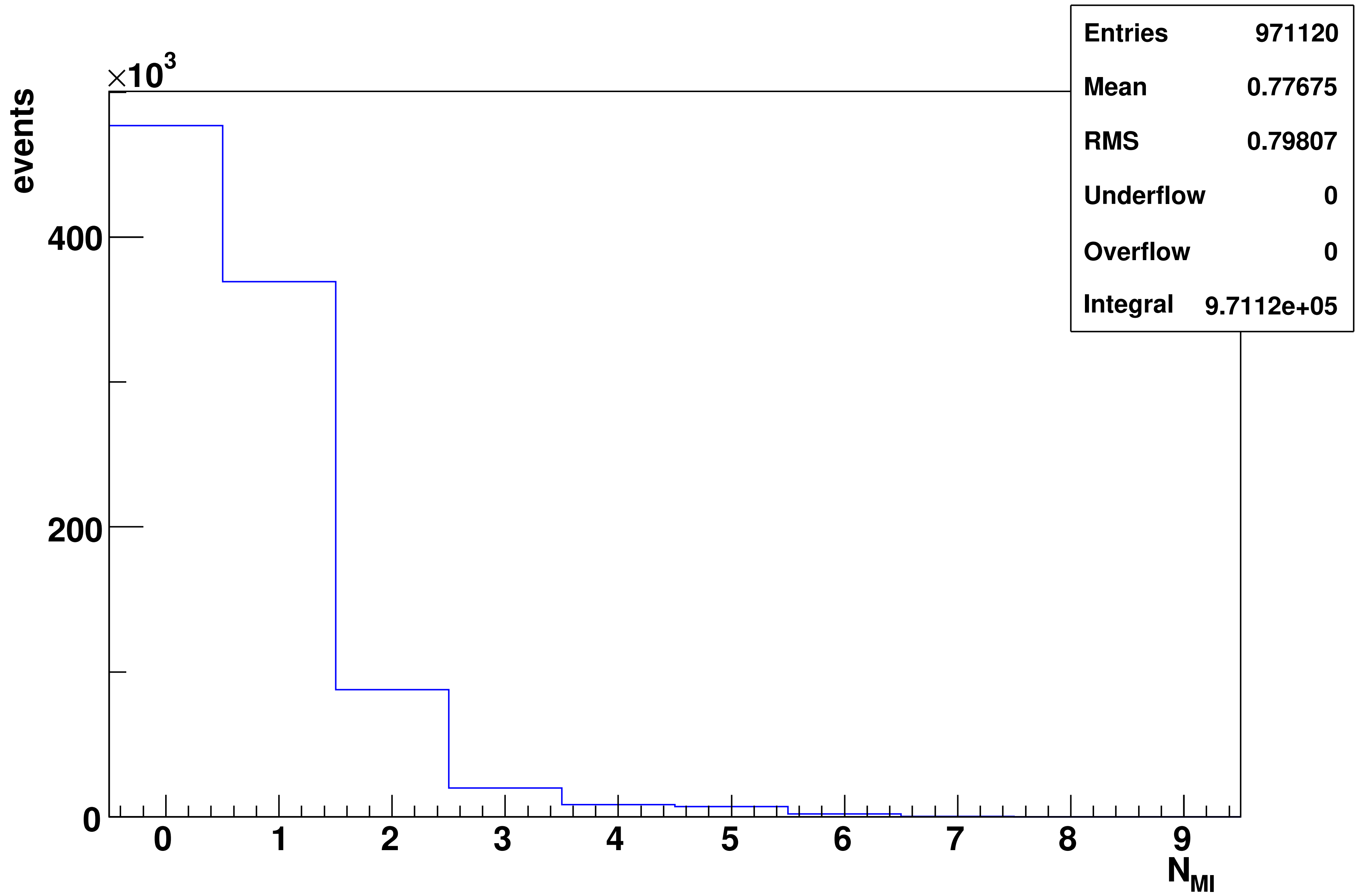


one or two tracks, at least one muon, weighted
Entries 840607
Mean 82.192
RMS 31.138
Underflow 0
Overflow 0
Integral 2.267e+06
weighted cosmics
0
20000
40000
60000
20
40
60
80
100
120
140
month

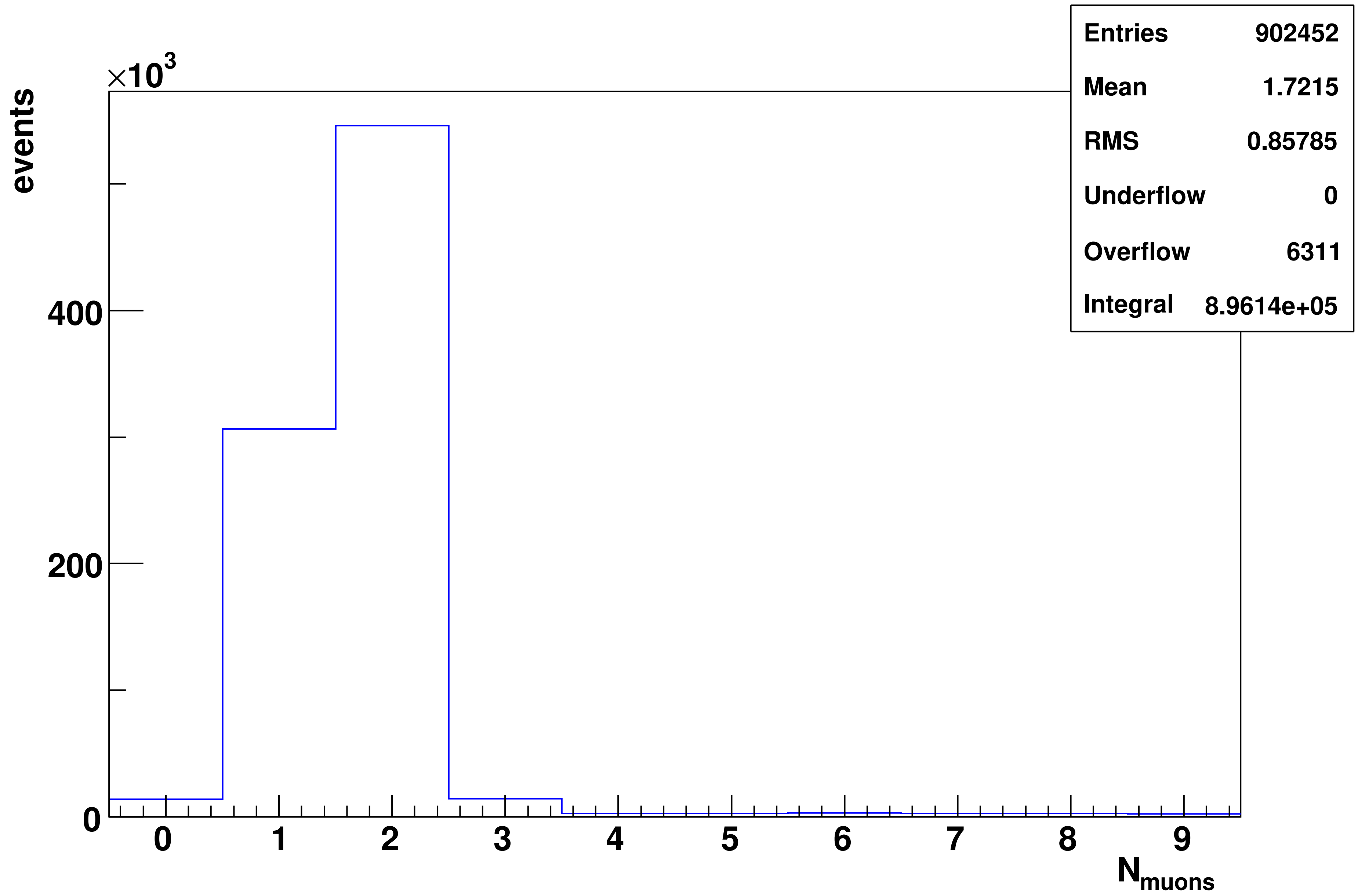

all events
Entries 840607
Mean 2.299e+05
RMS 10919
Underflow 5.7126e+05
Overflow 1.5125e+05
Integral 1.1809e+05
events
4000
2000
0
210
215
220
225
230
235
240
245
250
×10^3
run number



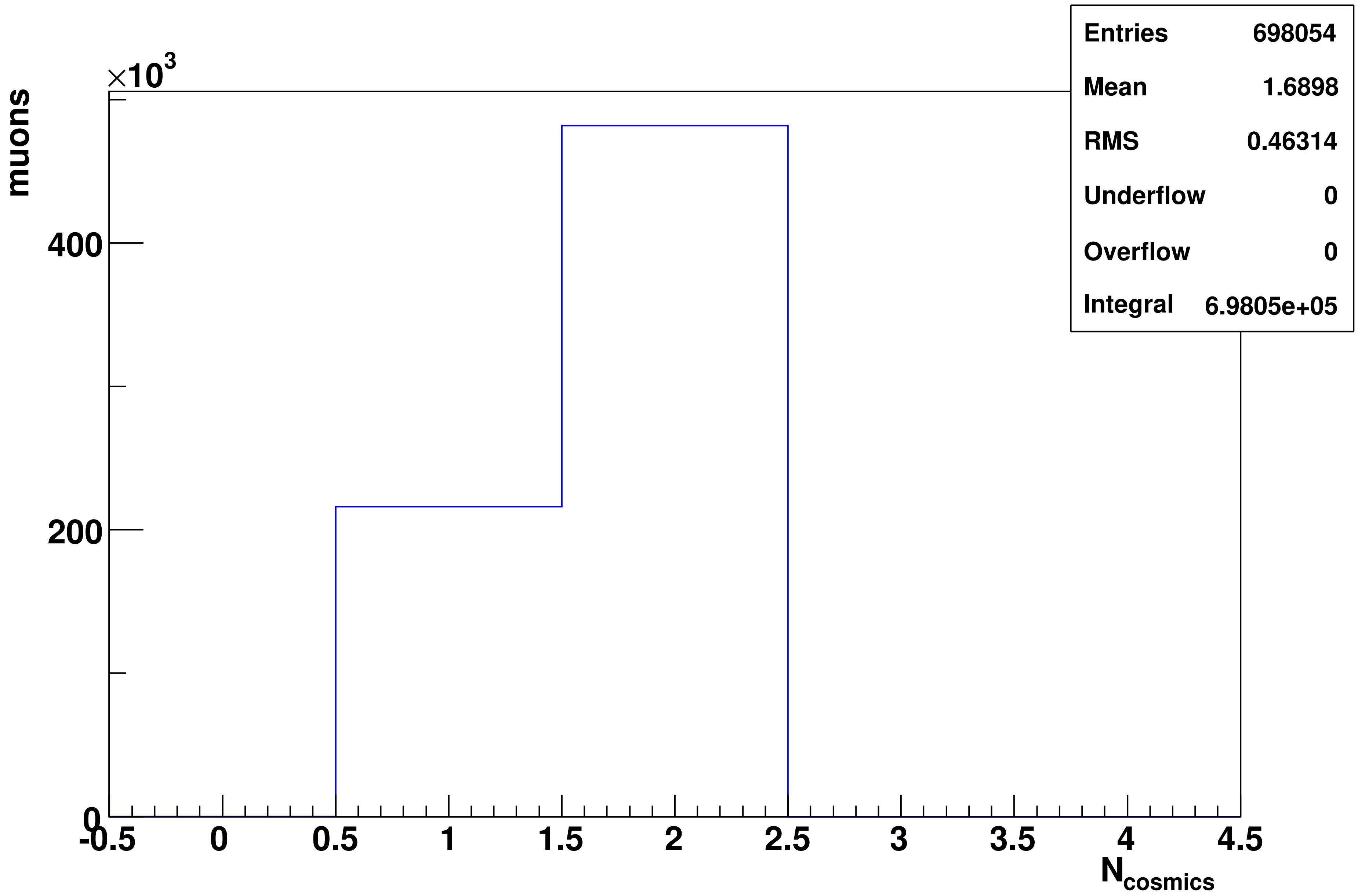
all events
events
30000
20000
10000
0
20
40
60
80
100
120
140
month
$N_{MI}$
2
1
0
20
40
60
80
100
120
140
month



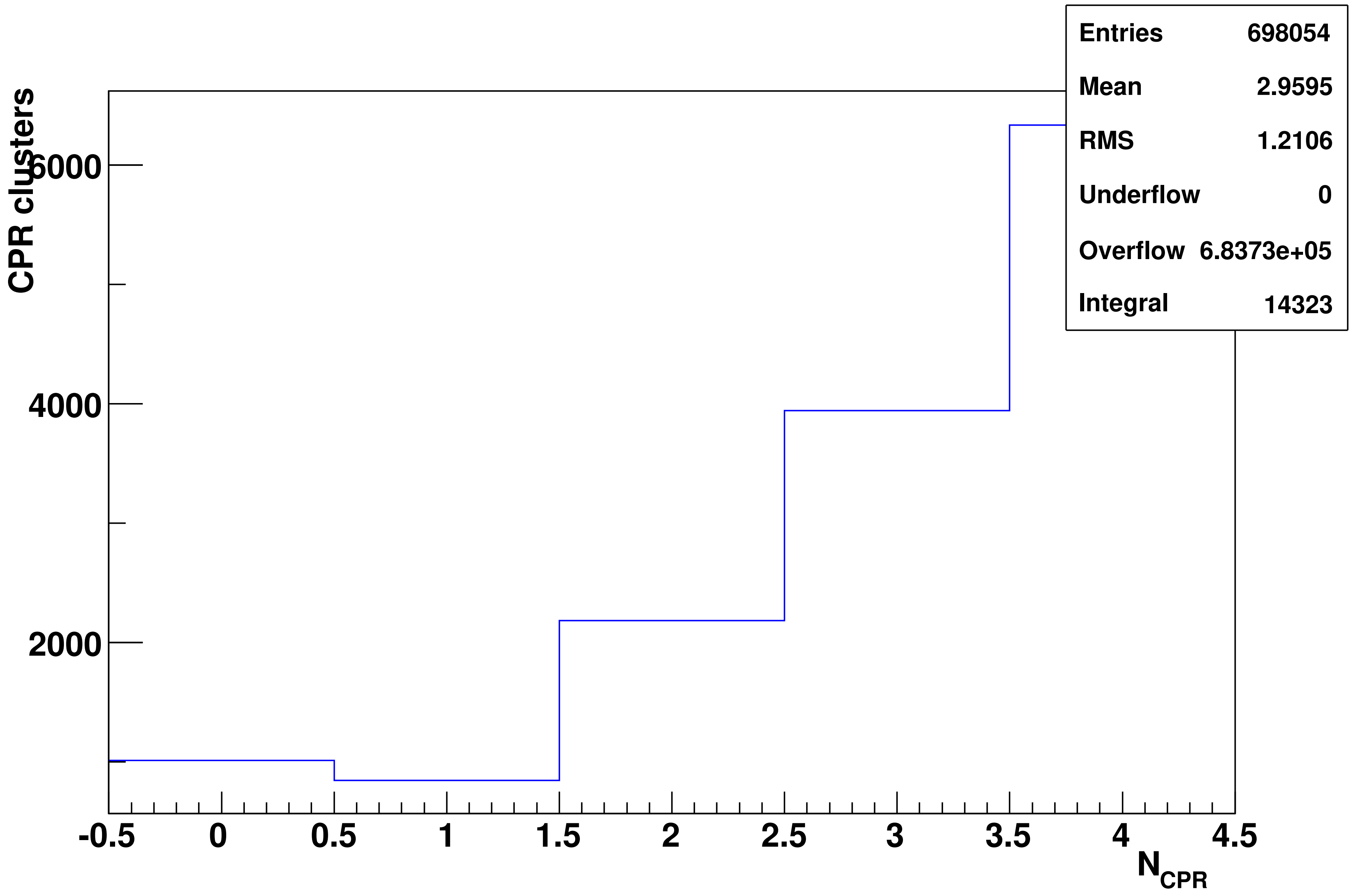
Entries 971120
Mean 0.77675
RMS 0.79807
Underflow 0
Overflow 0
Integral 9.7112e+05
×10^3
events
400
200
0
0
1
2
3
4
5
6
7
8
9
N_MI



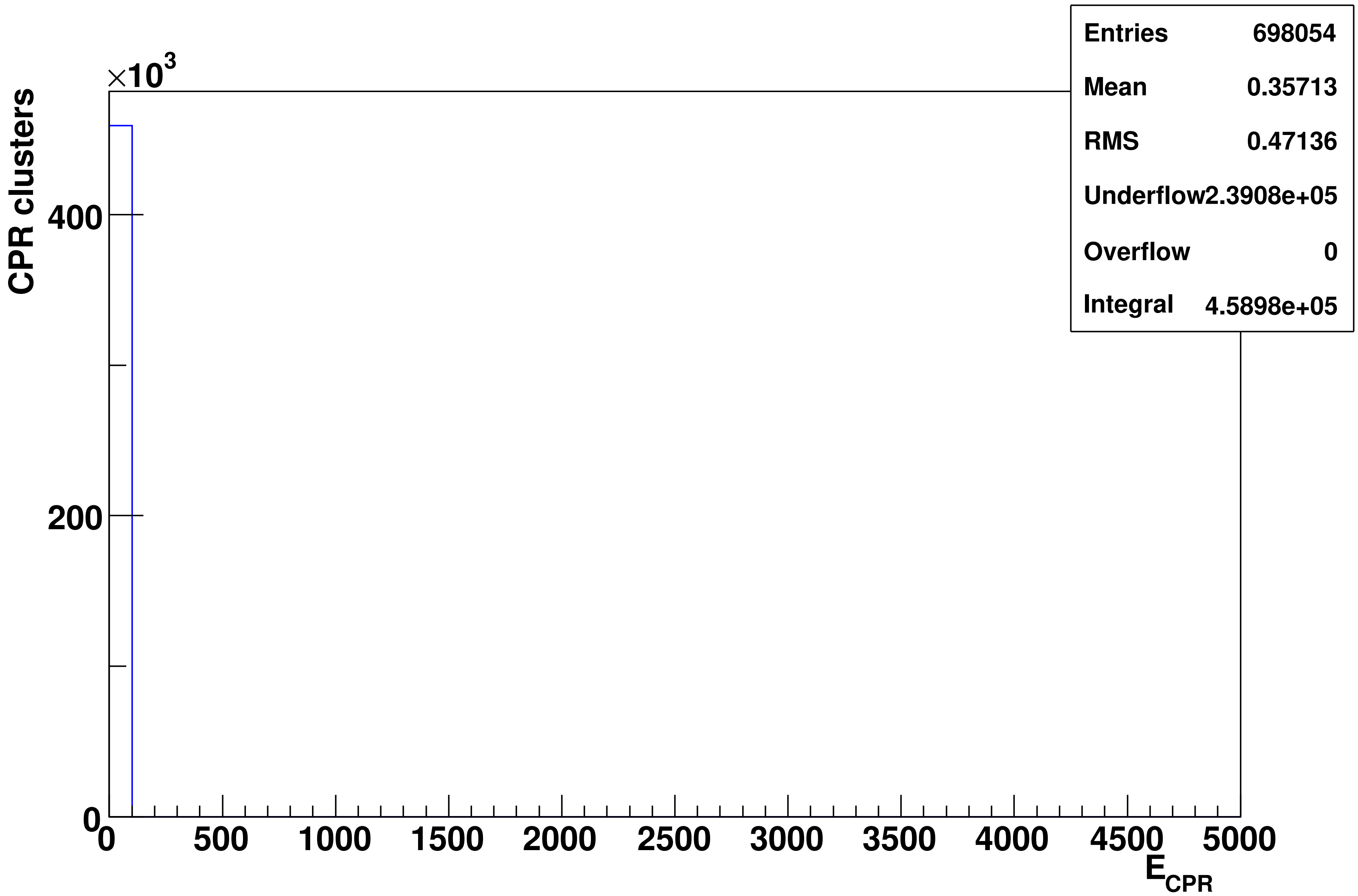
events
$\times 10^3$
0
200
400
0
1
2
3
4
5
6
7
8
9
$N_{muons}$
Entries 902452
Mean 1.7215
RMS 0.85785
Underflow 0
Overflow 6311
Integral 8.9614e+05



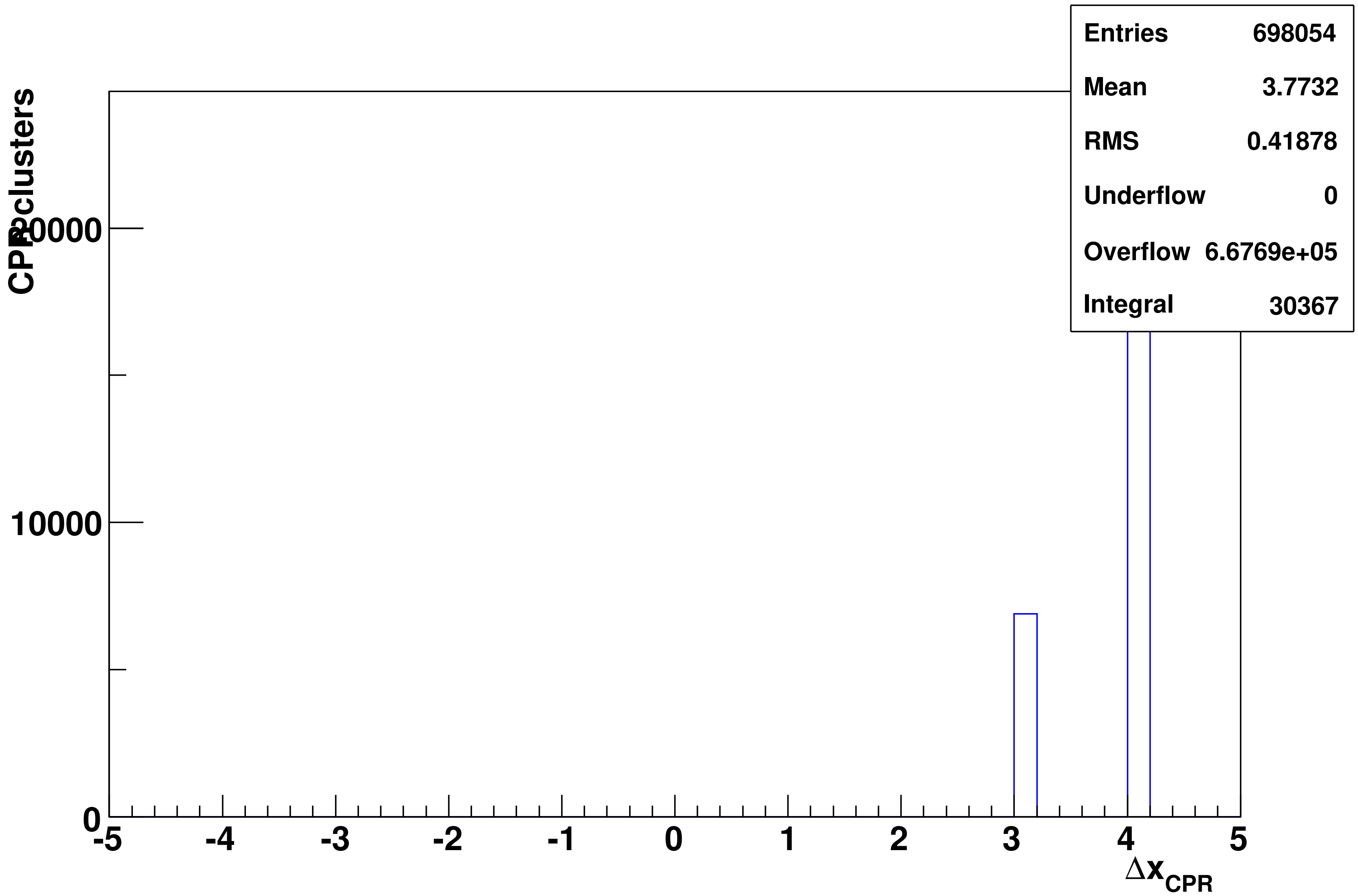
Entries 698054
Mean 1.6898
RMS 0.46314
Underflow 0
Overflow 0
Integral 6.9805e+05
×10^3
muons
400
200
0
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_cosmics



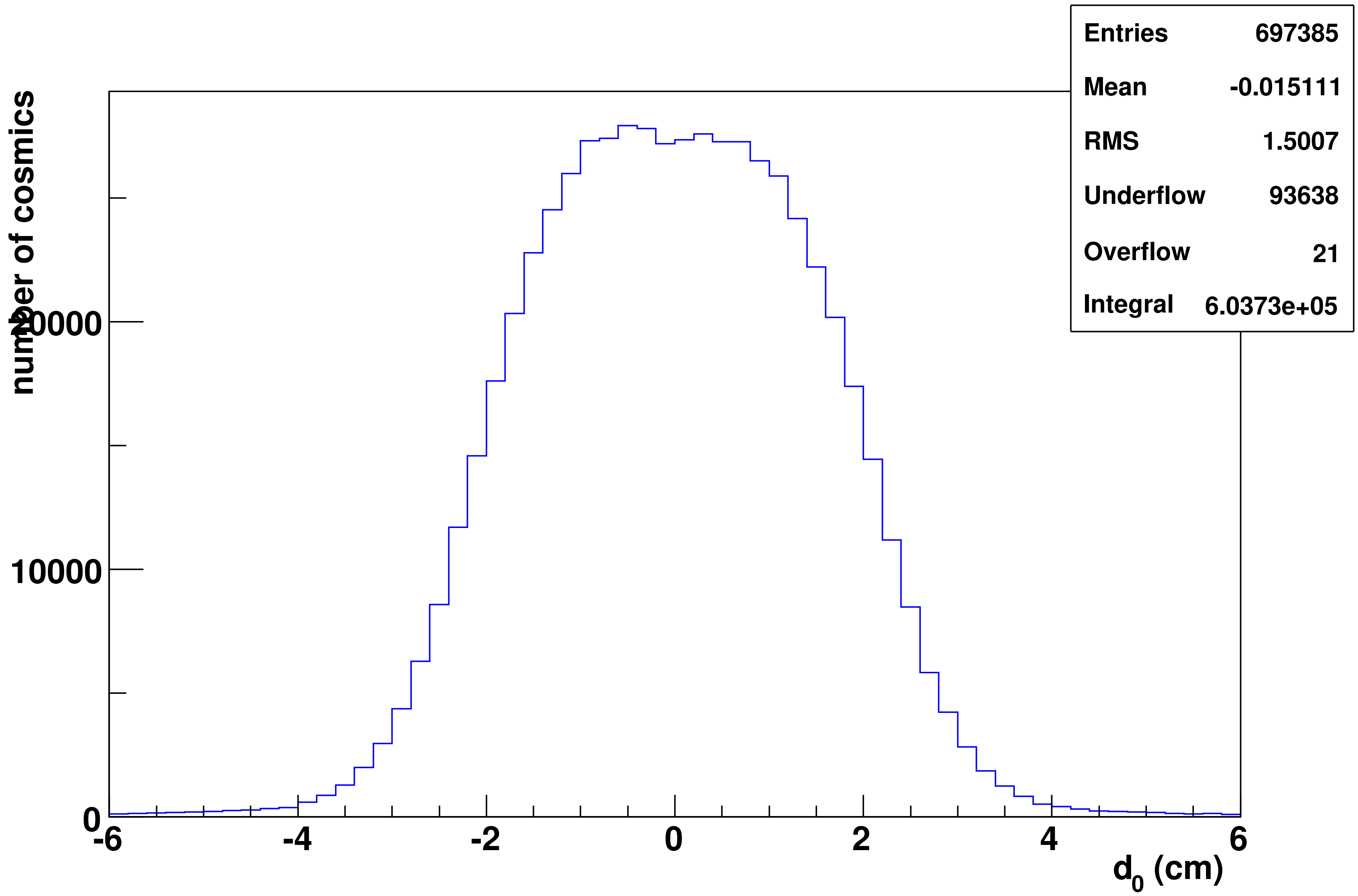
Entries 698054
Mean 2.9595
RMS 1.2106
Underflow 0
Overflow 6.8373e+05
Integral 14323
CPR clusters
6000
4000
2000
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_CPR



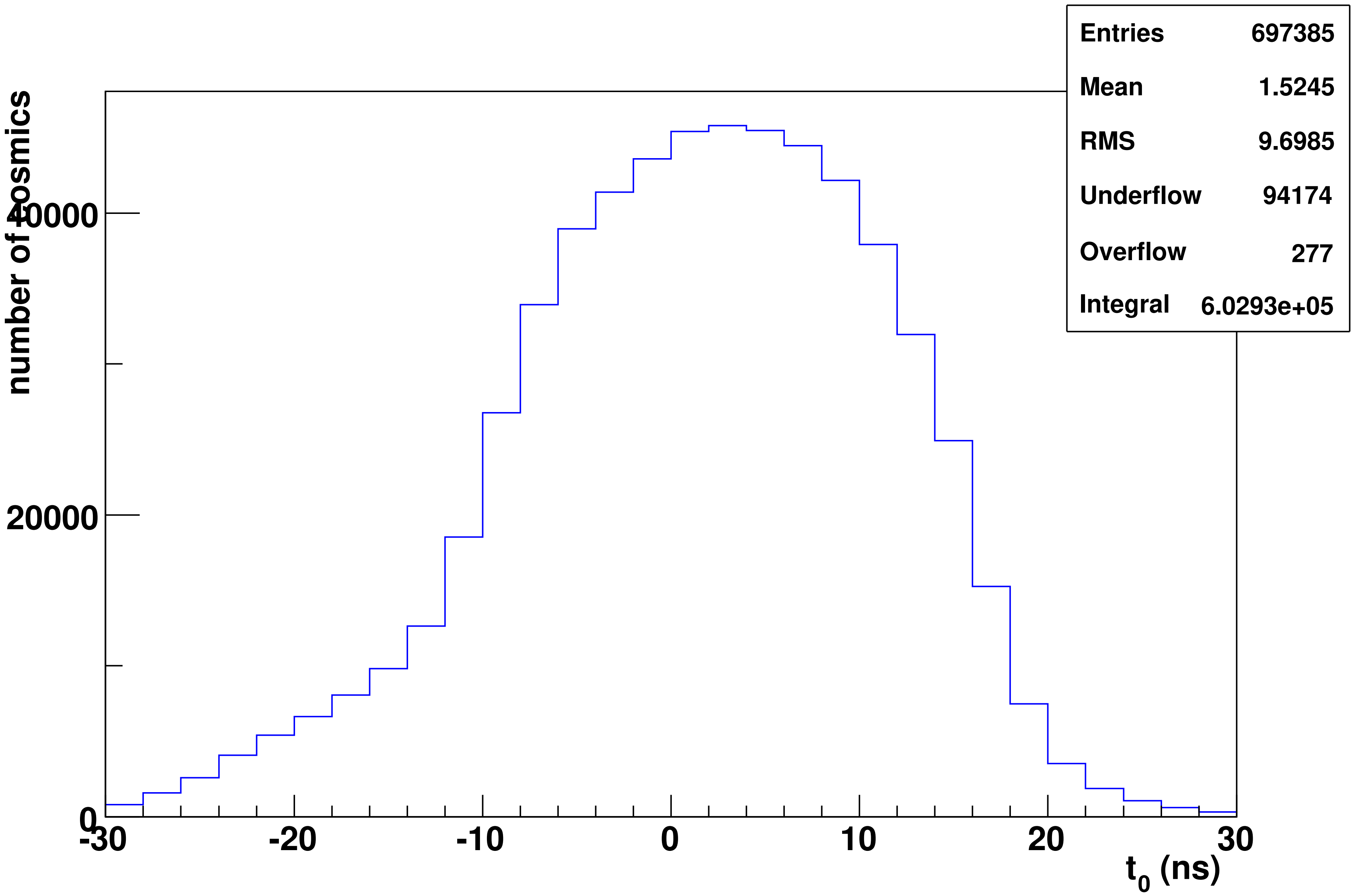
Entries 698054
Mean 0.35713
RMS 0.47136
Underflow 2.3908e+05
Overflow 0
Integral 4.5898e+05
×10^3
CPR clusters
0
200
400
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
E_CPR



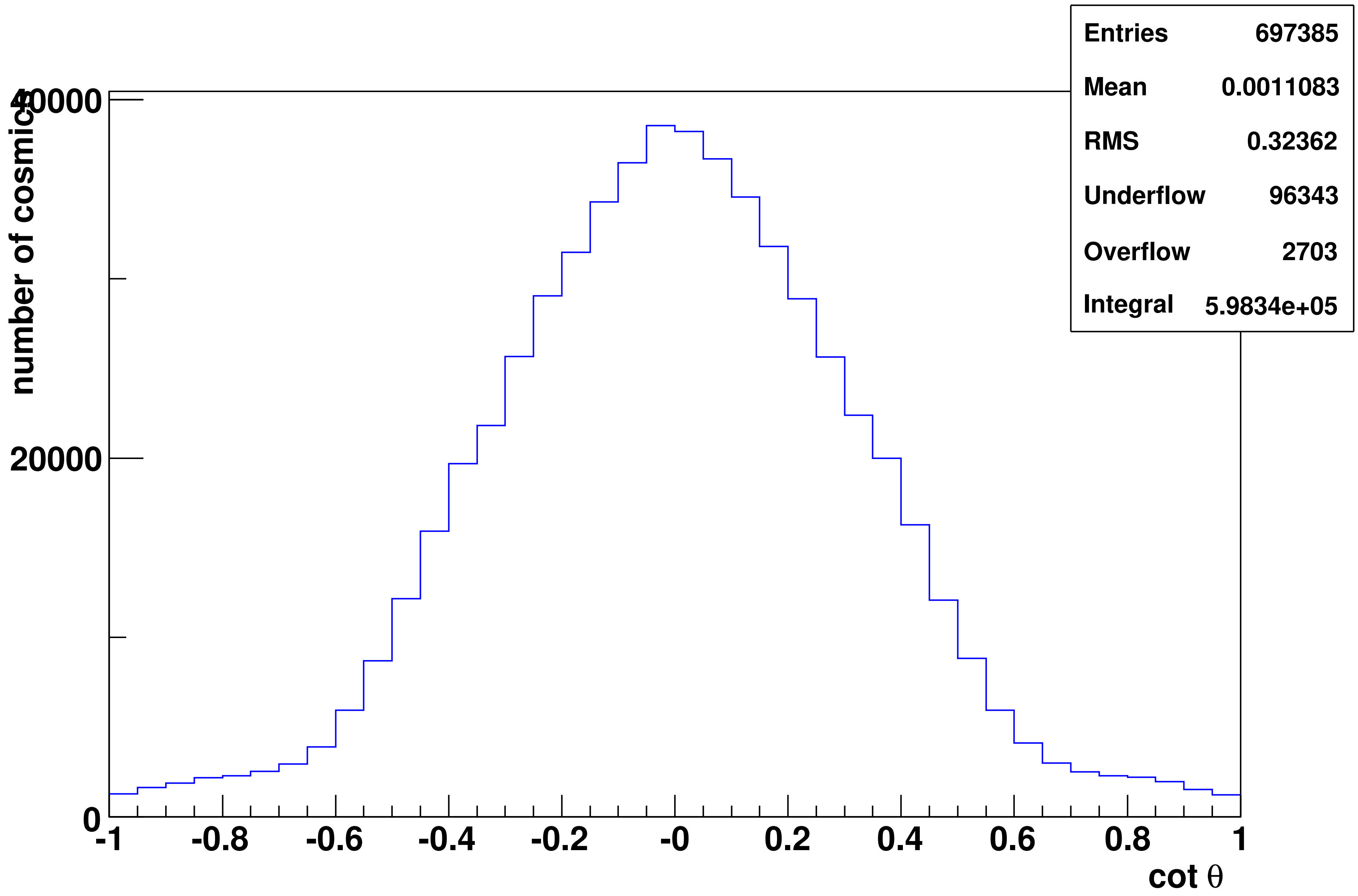
Entries 698054
Mean 3.7732
RMS 0.41878
Underflow 0
Overflow 6.6769e+05
Integral 30367
CPR clusters
20000
10000
0
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δx_CPR



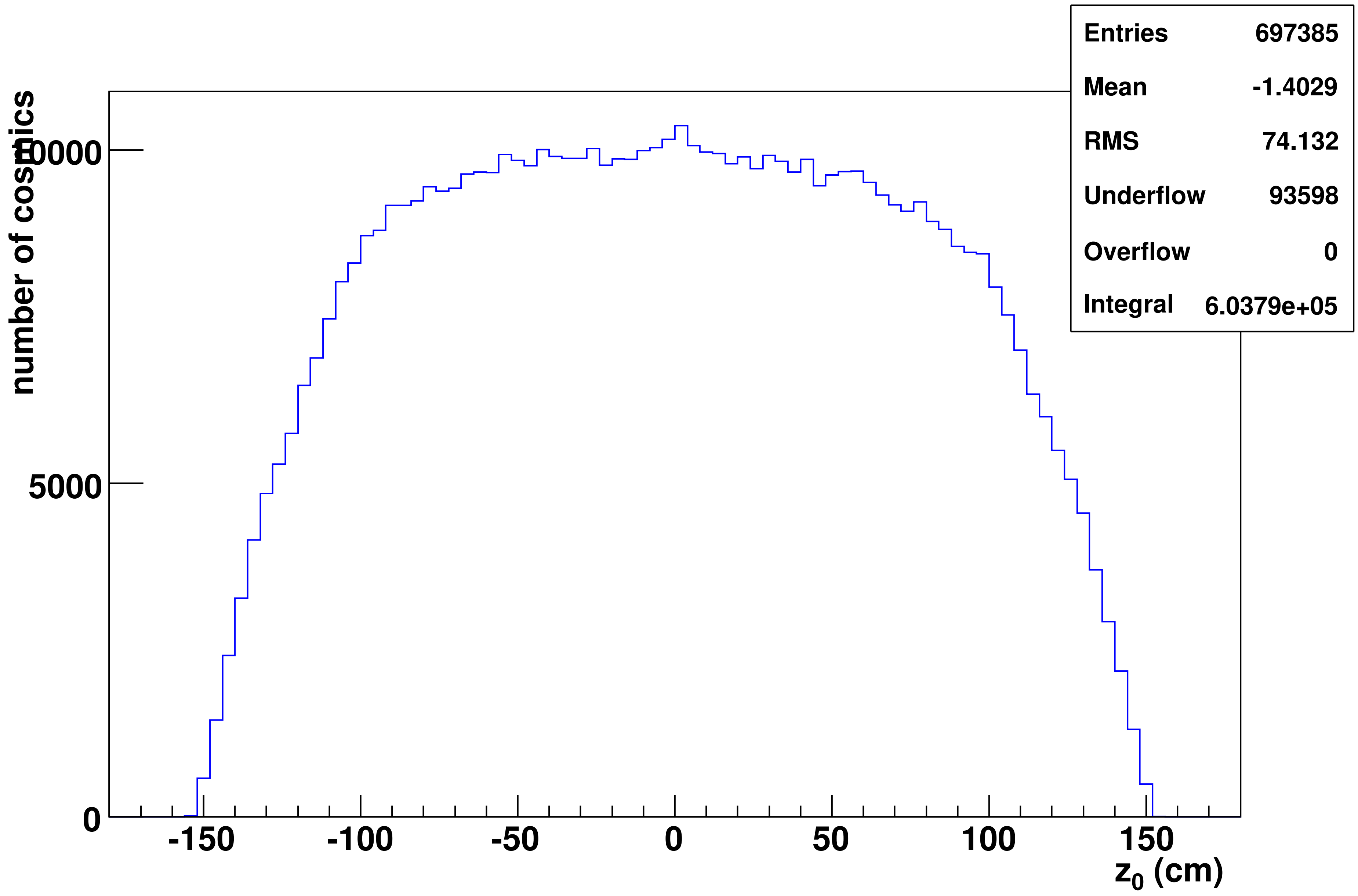
Entries 697385
Mean -0.015111
RMS 1.5007
Underflow 93638
Overflow 21
Integral 6.0373e+05
number of cosmics
0
10000
20000
-6
-4
-2
0
2
4
6
$d_0$ (cm)



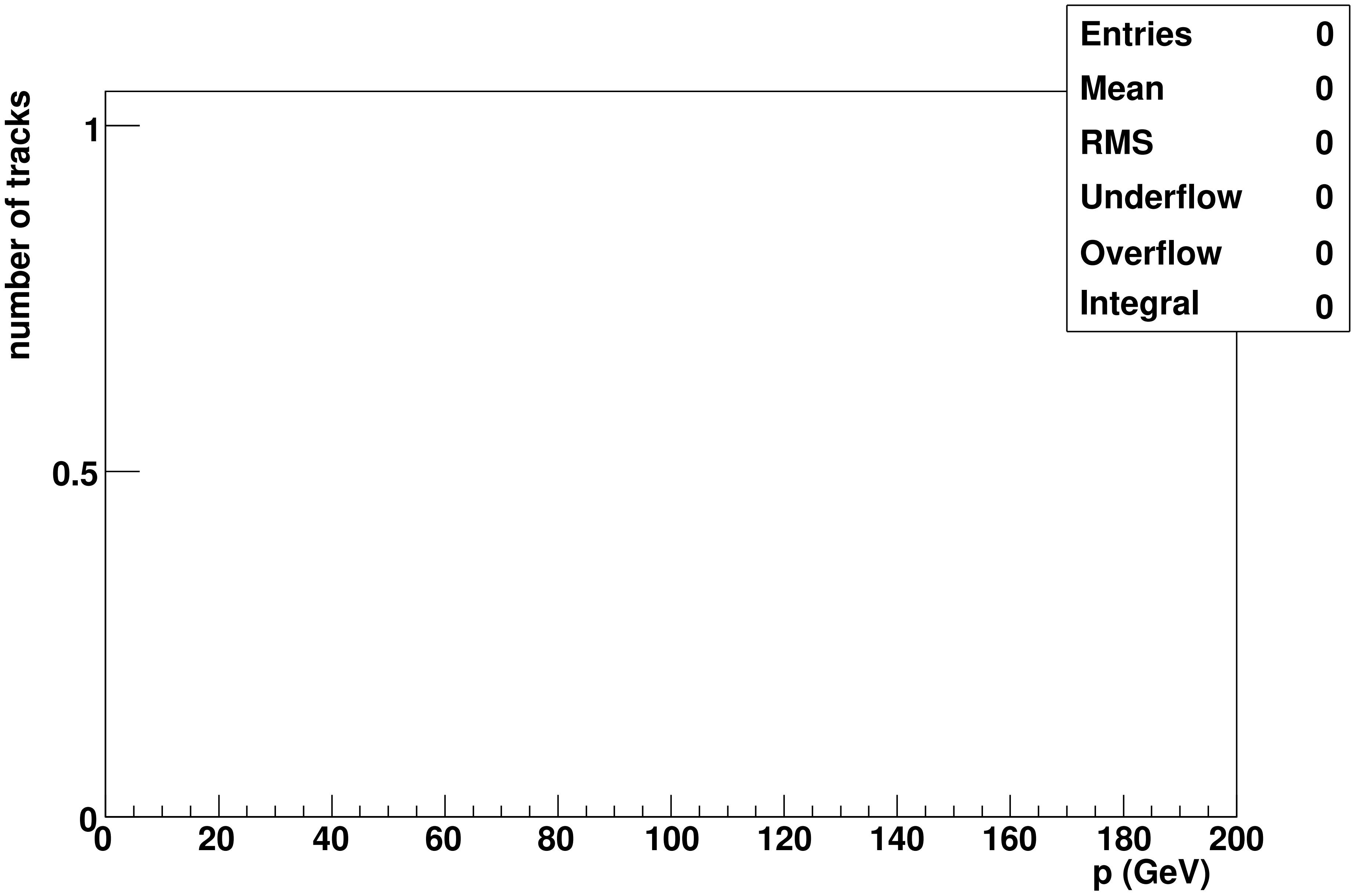
Entries 697385
Mean 1.5245
RMS 9.6985
Underflow 94174
Overflow 277
Integral 6.0293e+05
number of cosmics
0
20000
40000
-30
-20
-10
0
10
20
30
t0 (ns)

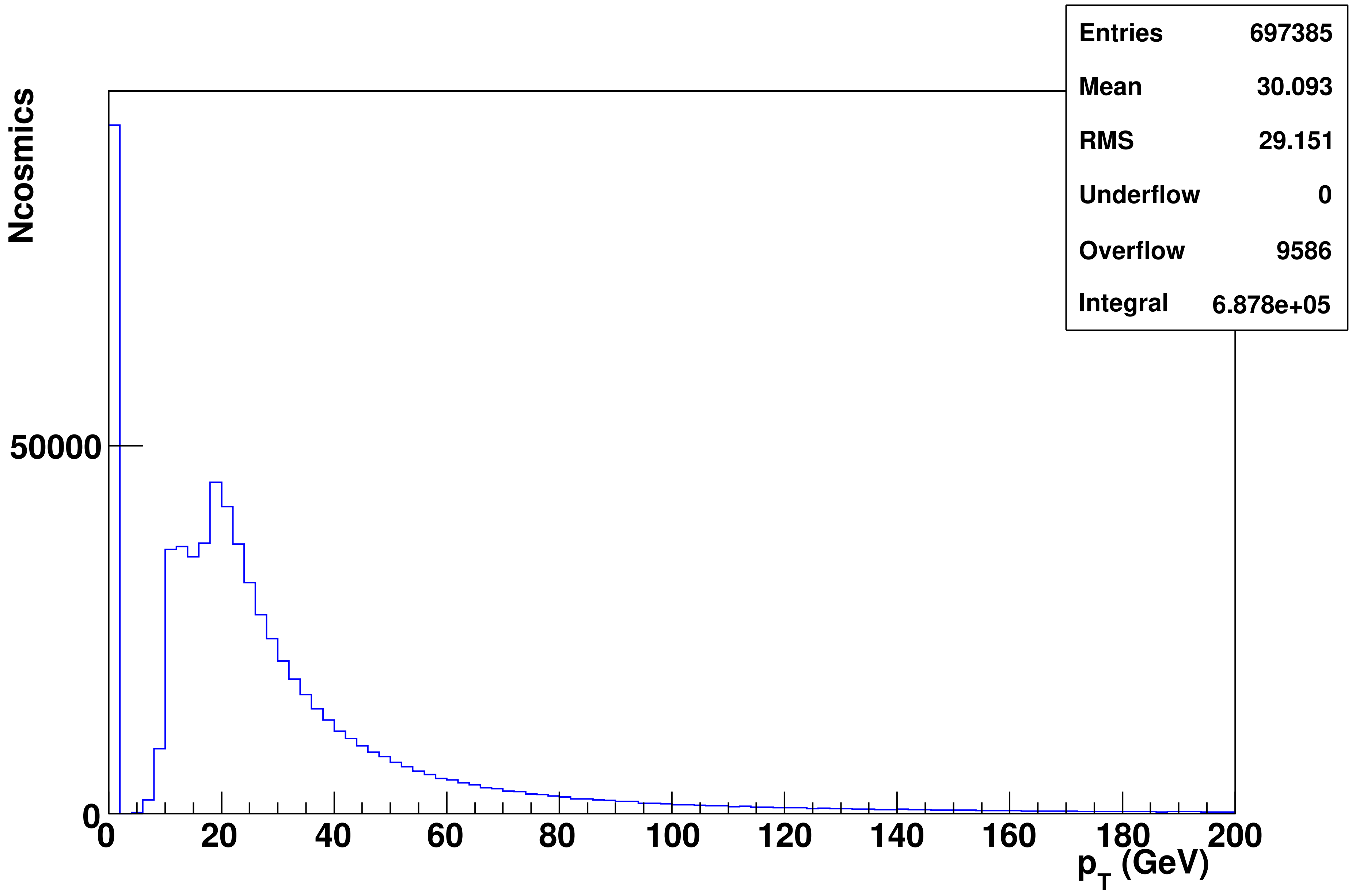


Entries 697385
Mean 0.0011083
RMS 0.32362
Underflow 96343
Overflow 2703
Integral 5.9834e+05
number of cosmics
40000
20000
0
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
cot θ

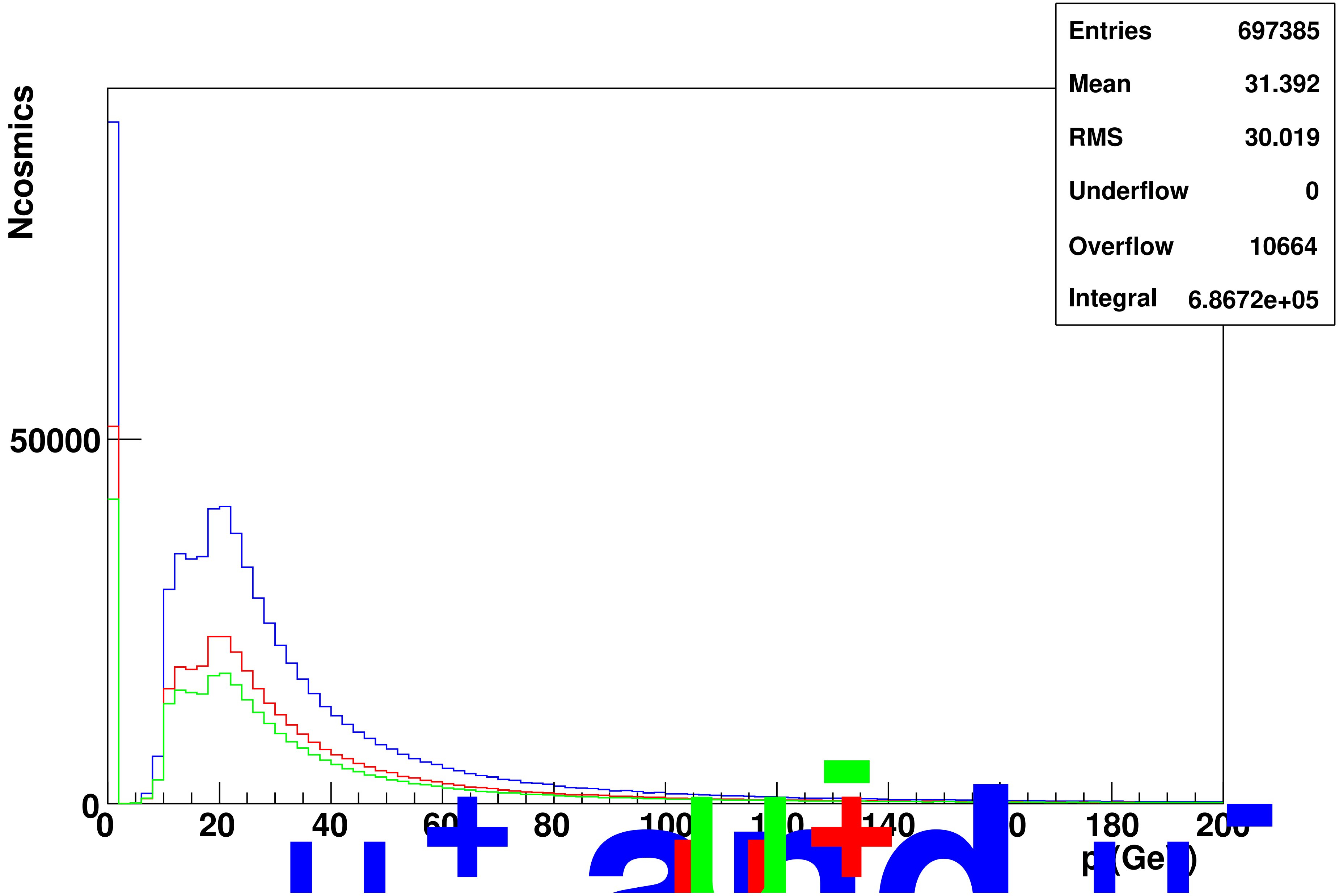


Entries 697385
Mean -1.4029
RMS 74.132
Underflow 93598
Overflow 0
Integral 6.0379e+05
number of cosmics
10000
5000
0
-150
-100
-50
0
50
100
150
$z_0$ (cm)

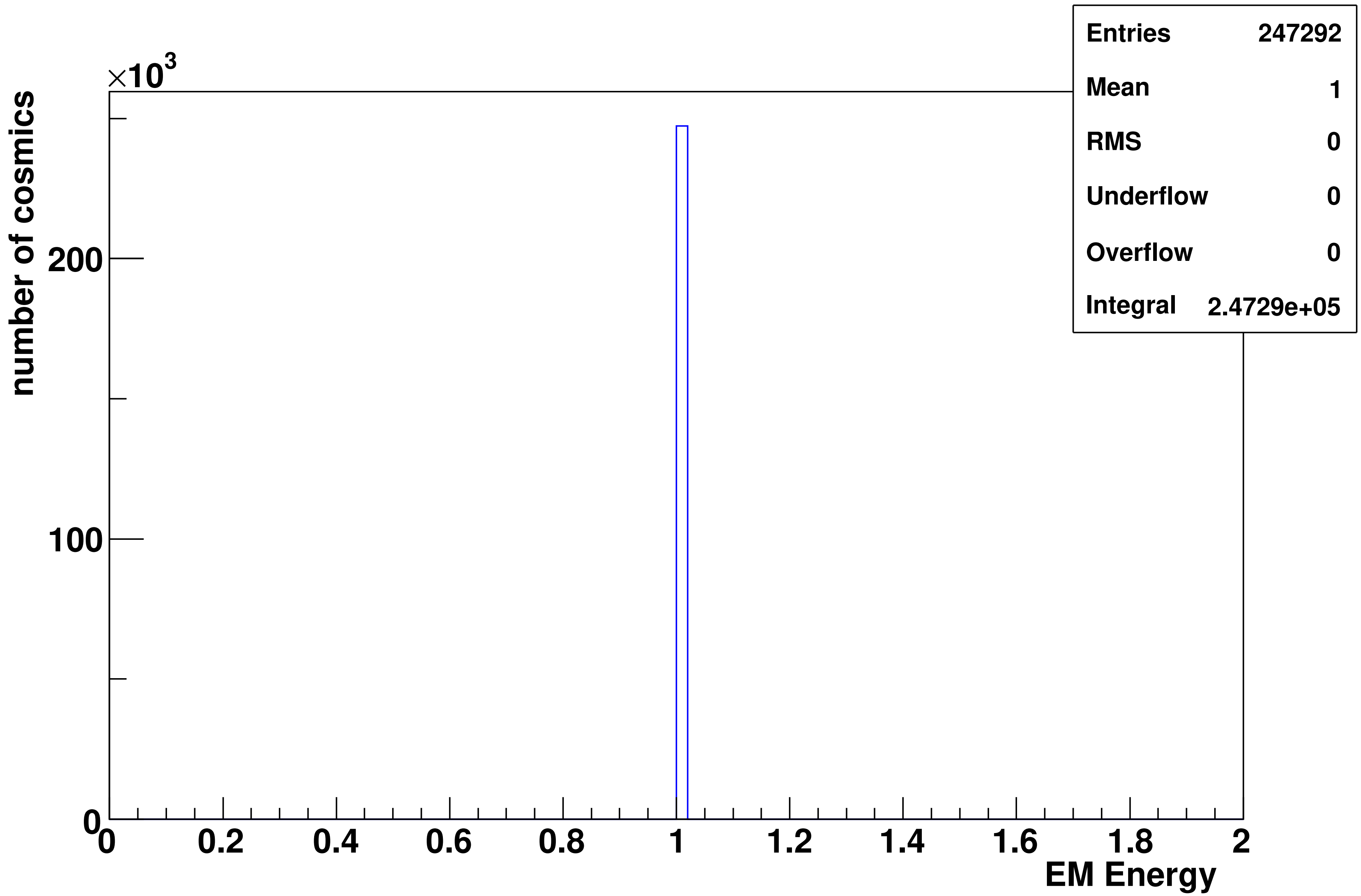

Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
number of tracks
1
0.5
0
0
20
40
60
80
100
120
140
160
180
200
p (GeV)

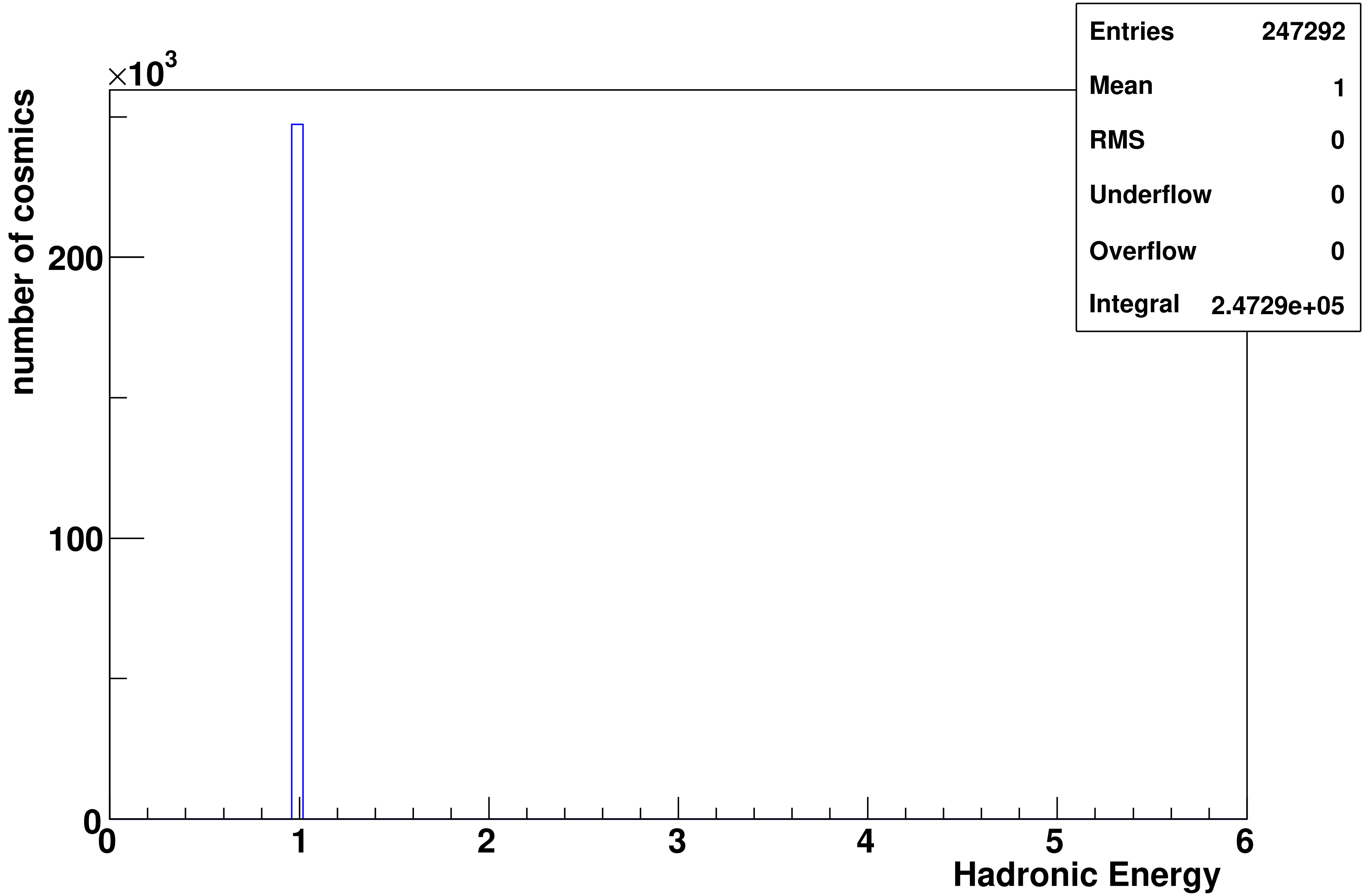


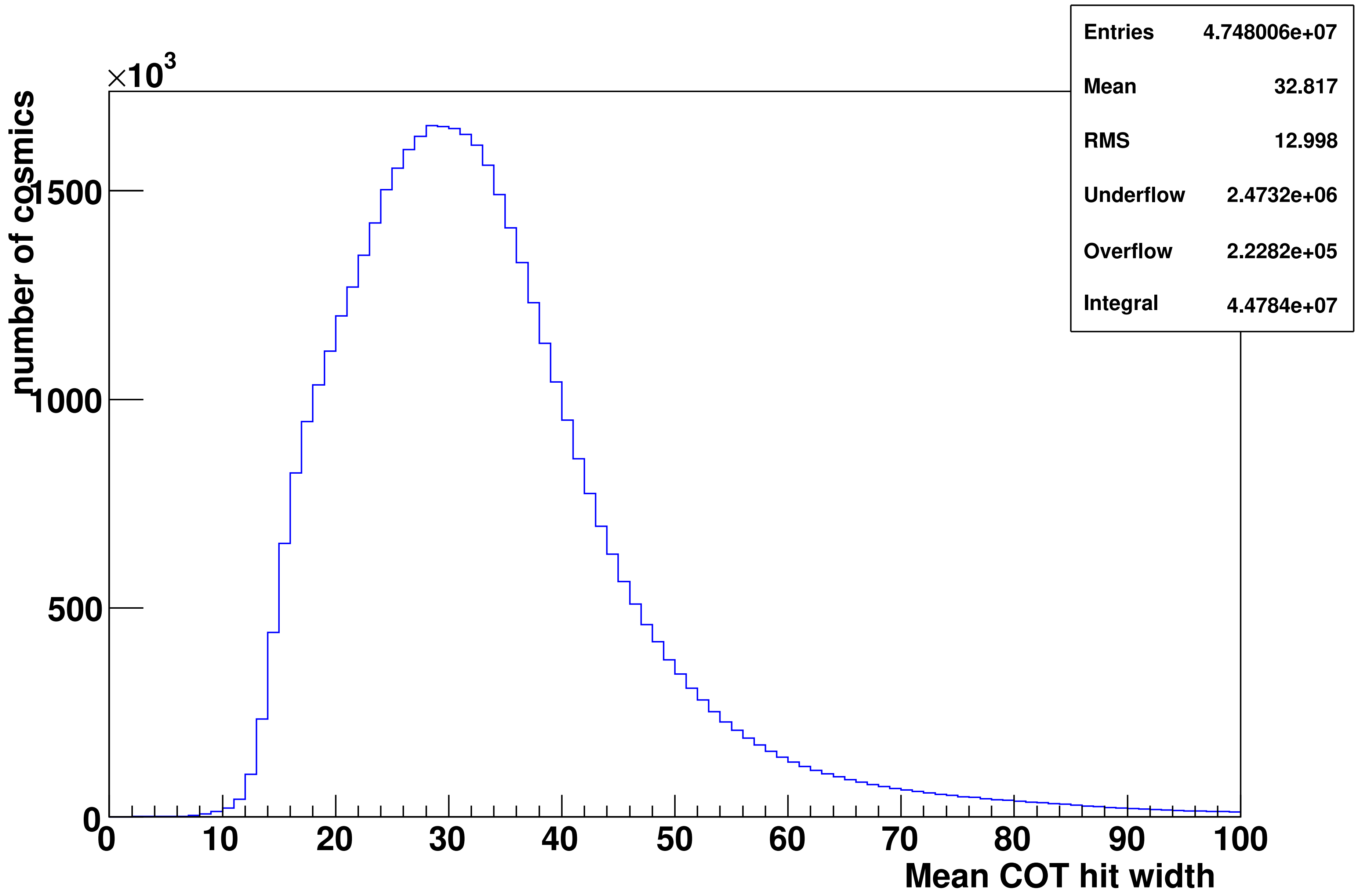
Entries 697385
Mean 30.093
RMS 29.151
Underflow 0
Overflow 9586
Integral 6.878e+05
Ncosmics
50000
0
0
20
40
60
80
100
120
140
160
180
200
p_T (GeV)



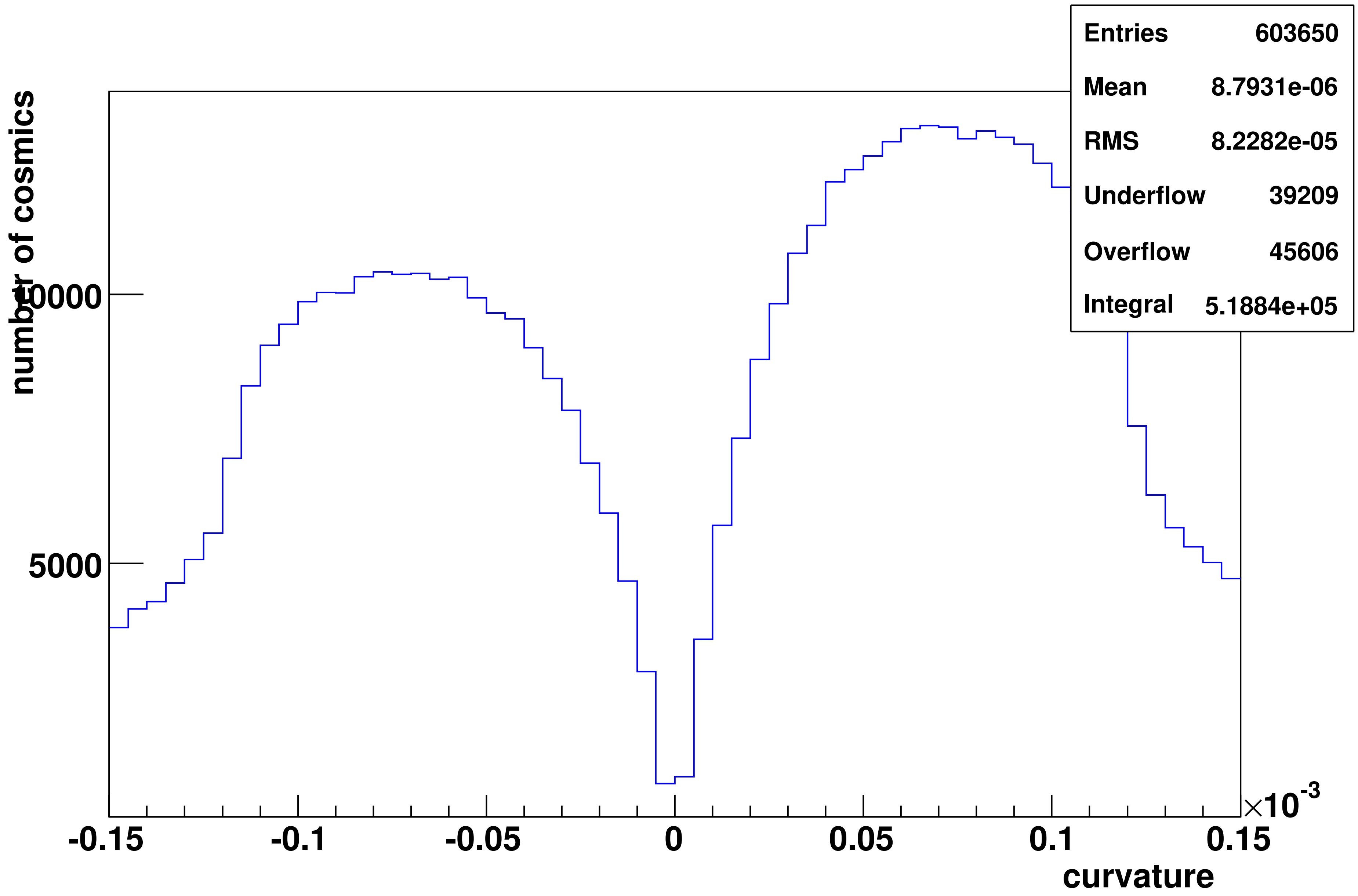
Entries 697385
Mean 31.392
RMS 30.019
Underflow 0
Overflow 10664
Integral 6.8672e+05
Ncosmics
50000
0
0
20
40
60
80
100
140
180
200
p (GeV)

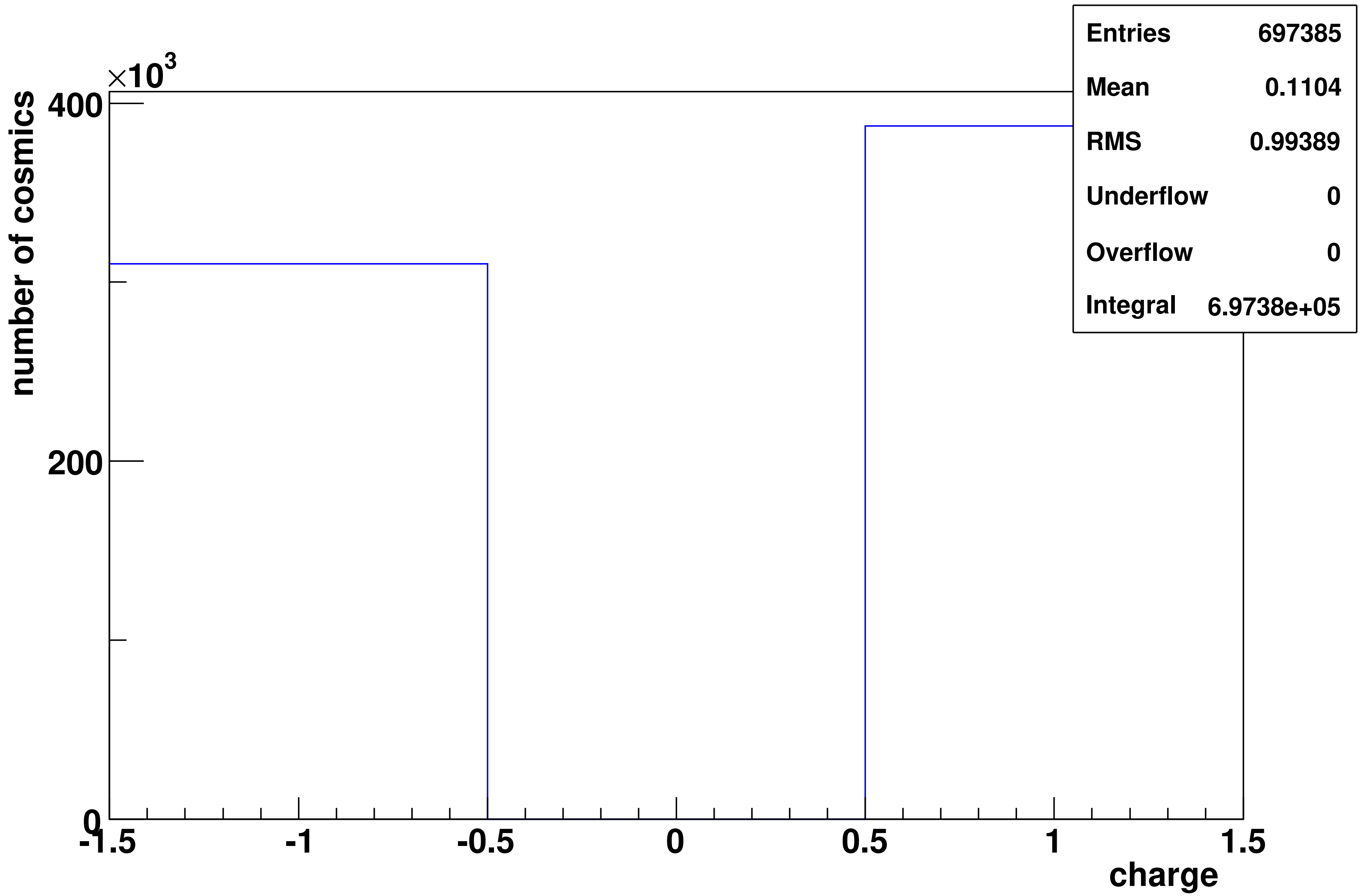

Entries 247292
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.4729e+05
×10^3
number of cosmics
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
EM Energy


Entries 247292
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.4729e+05
$\times 10^3$
number of cosmics
200
100
0
0
1
2
3
4
5
6
Hadronic Energy

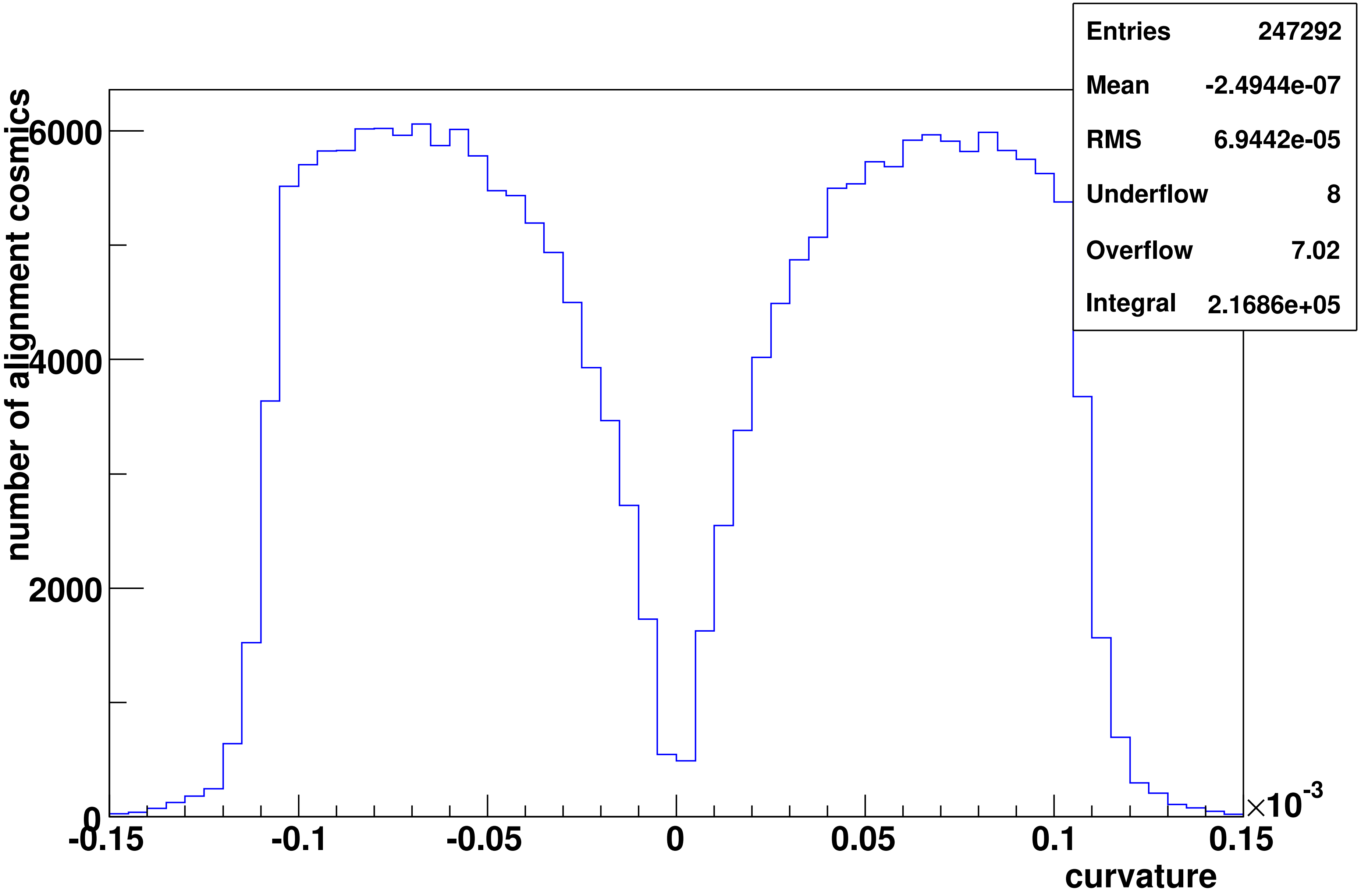


Entries 4.748006e+07
Mean 32.817
RMS 12.998
Underflow 2.4732e+06
Overflow 2.2282e+05
Integral 4.4784e+07
×10^3
number of cosmics
1500
1000
500
0
0
10
20
30
40
50
60
70
80
90
100
Mean COT hit width

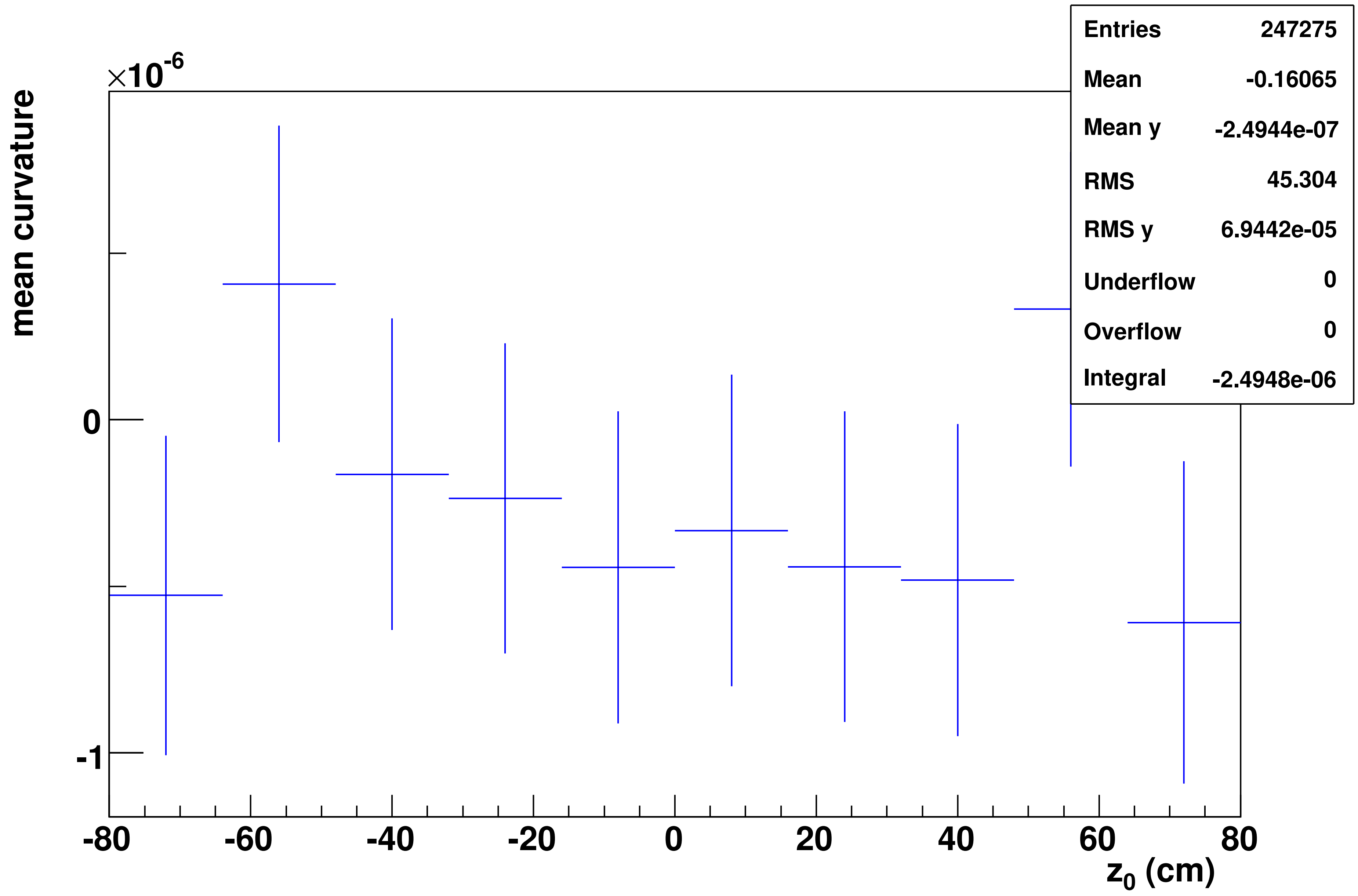

Entries 603650
Mean 8.7931e-06
RMS 8.2282e-05
Underflow 39209
Overflow 45606
Integral 5.1884e+05
number of cosmics
10000
5000
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
×10^-3
curvature



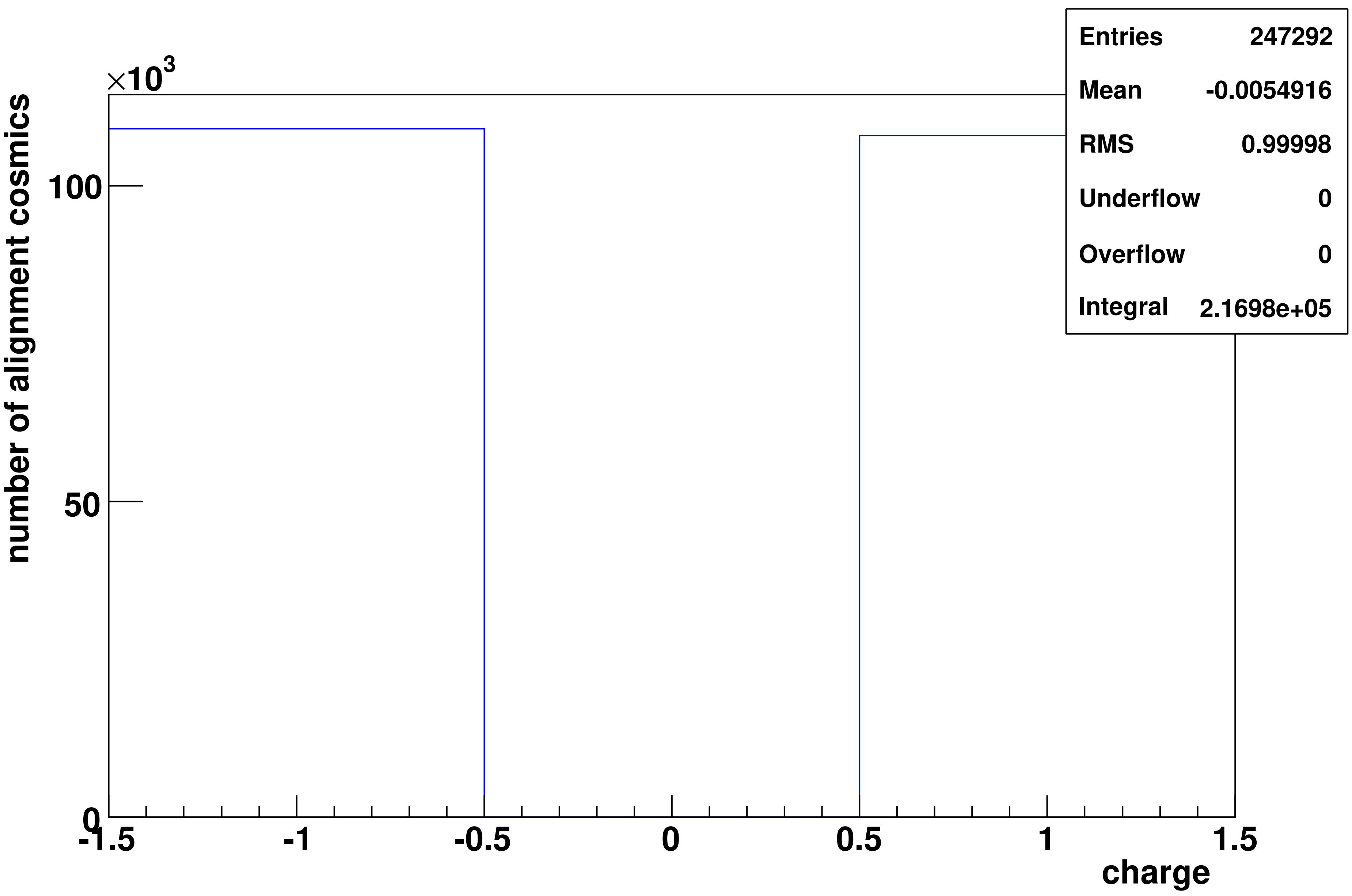
Entries 697385
Mean 0.1104
RMS 0.99389
Underflow 0
Overflow 0
Integral 6.9738e+05
×10^3
400
200
0
number of cosmics
-1.5
-1
-0.5
0
0.5
1
1.5
charge



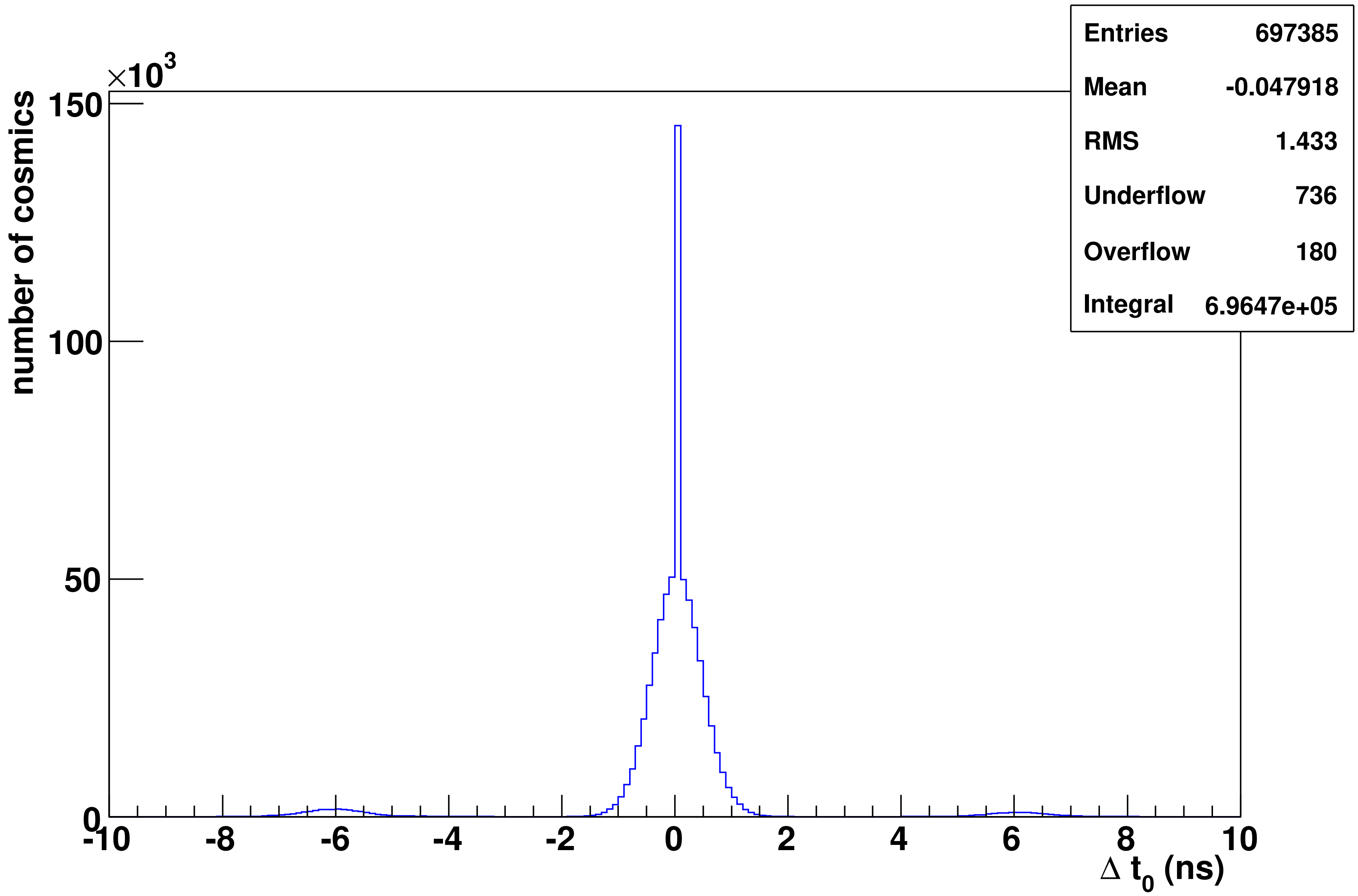
Entries 247292
Mean -2.4944e-07
RMS 6.9442e-05
Underflow 8
Overflow 7.02
Integral 2.1686e+05
number of alignment cosmics
6000
4000
2000
0
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
×10-3
curvature

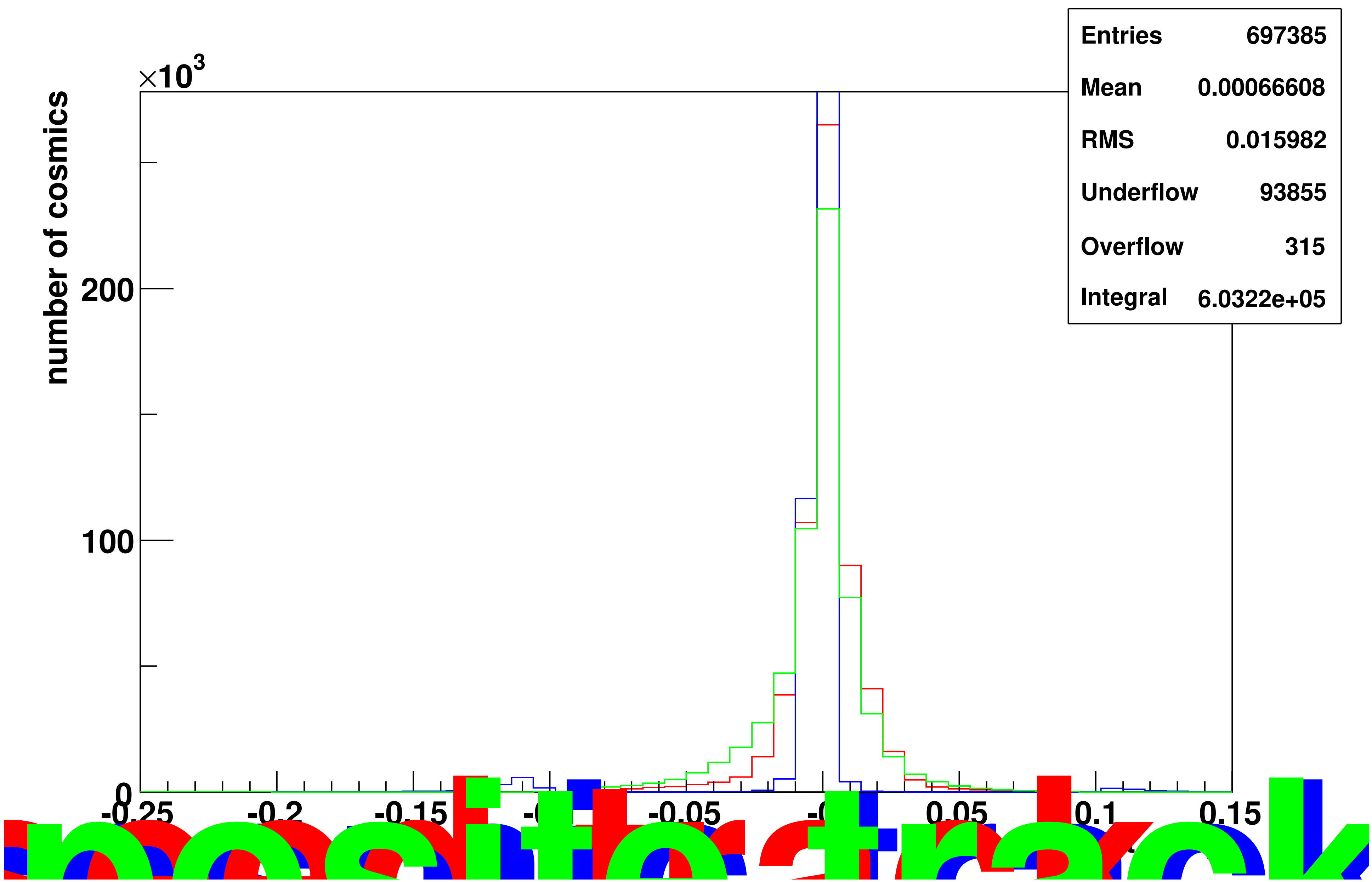


Entries 247275
Mean -0.16065
Mean y -2.4944e-07
RMS 45.304
RMS y 6.9442e-05
Underflow 0
Overflow 0
Integral -2.4948e-06
×10^-6
mean curvature
0
-1
-80
-60
-40
-20
0
20
40
60
80
z0 (cm)

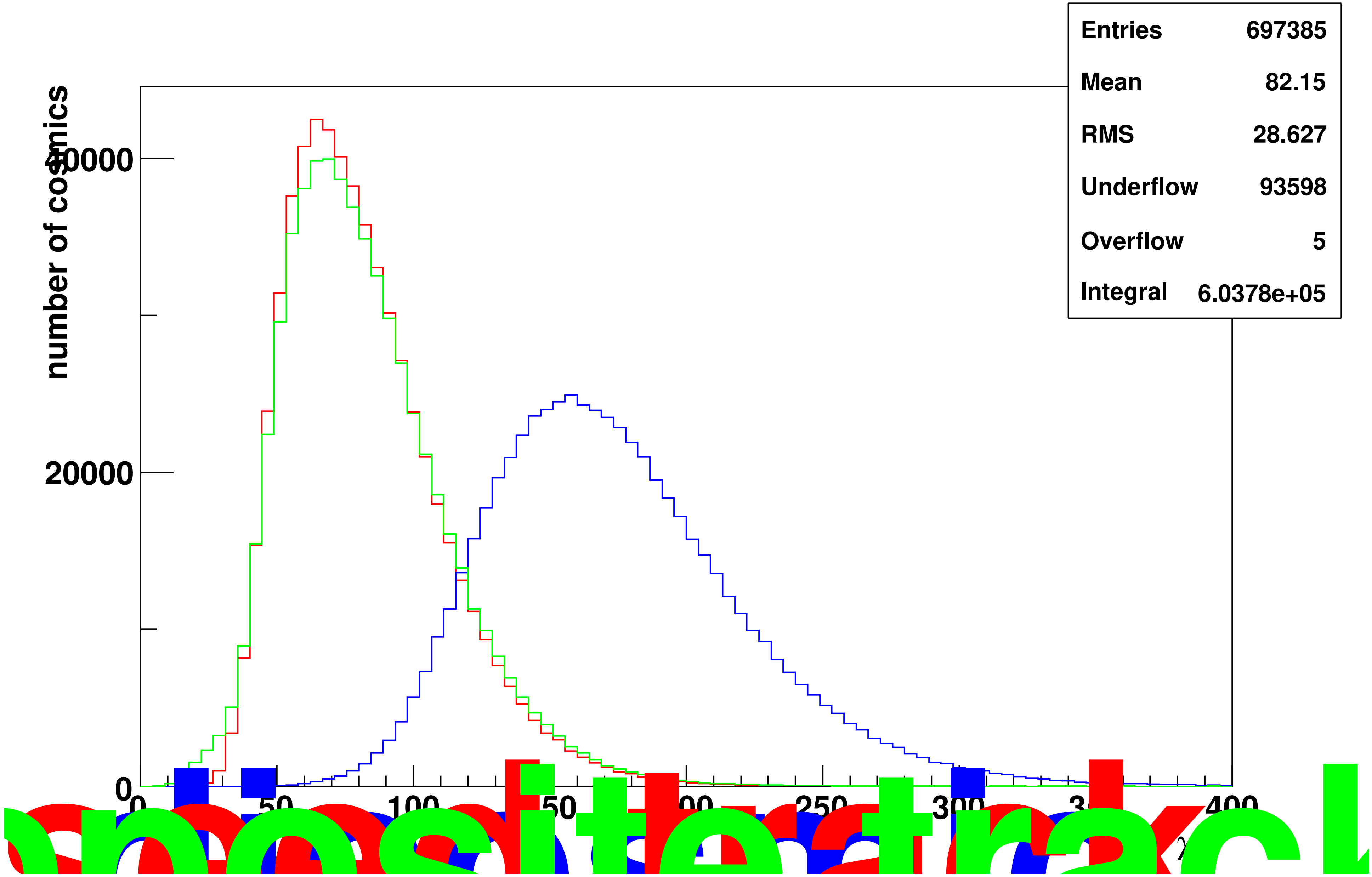


Entries 247292
Mean -0.0054916
RMS 0.99998
Underflow 0
Overflow 0
Integral 2.1698e+05
$\times 10^3$
number of alignment cosmics
100
50
0
-1.5
-1
-0.5
0
0.5
1
1.5
charge

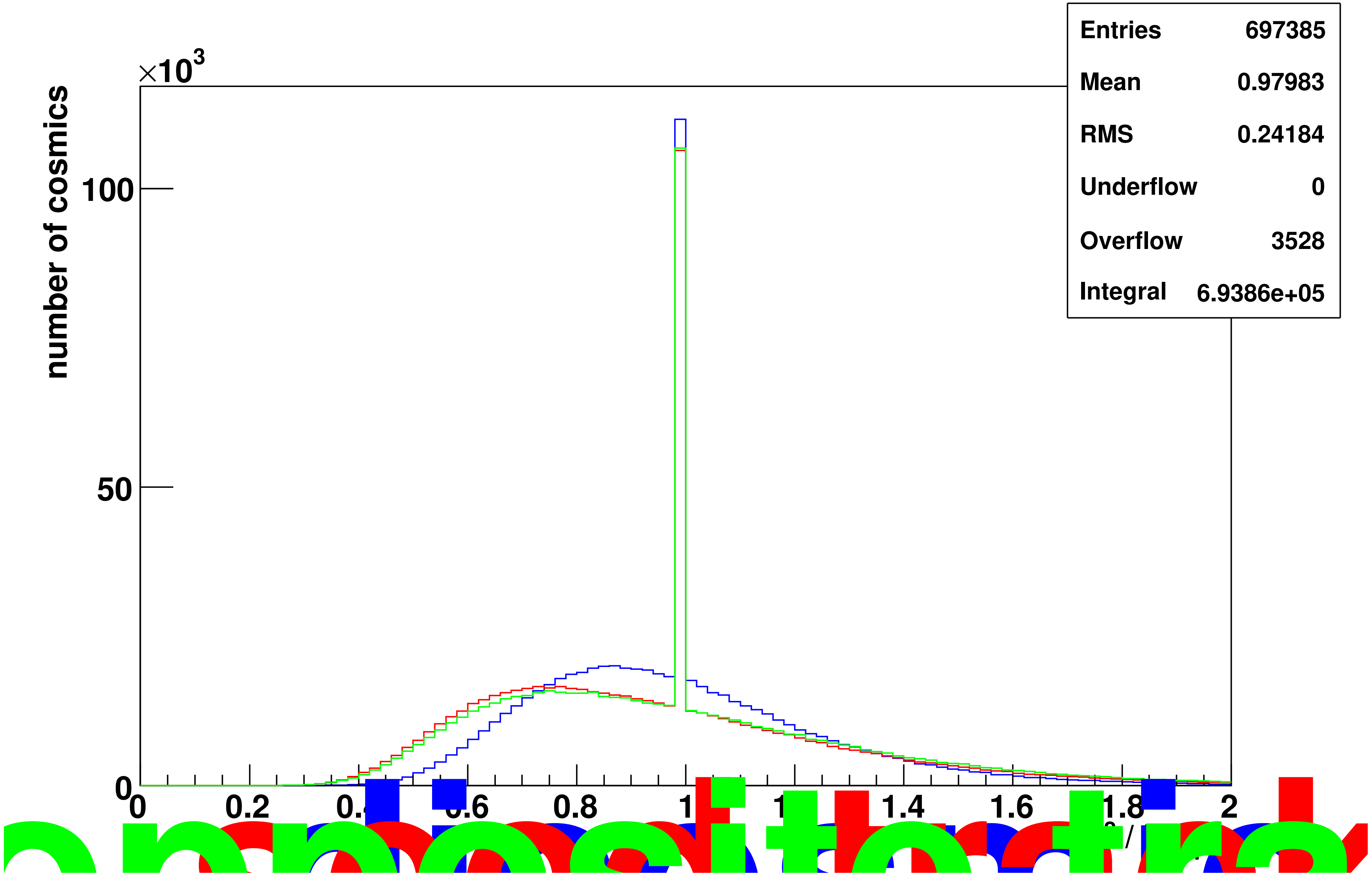

Entries 697385
Mean -0.047918
RMS 1.433
Underflow 736
Overflow 180
Integral 6.9647e+05
×10^3
number of cosmics
150
100
50
0
-10
-8
-6
-4
-2
0
2
4
6
8
10
Δ t_0 (ns)



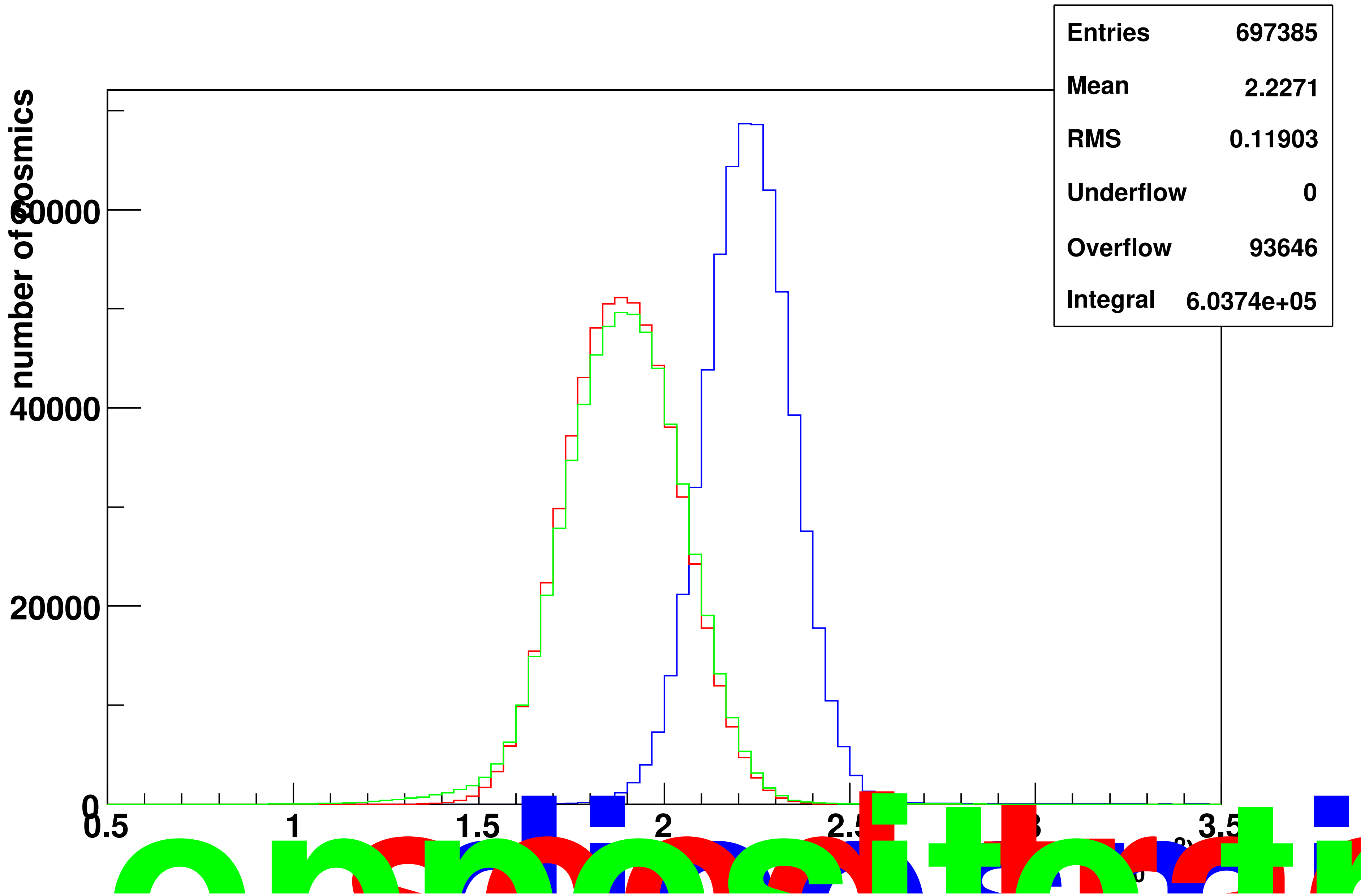
Entries 697385
Mean 0.00066608
RMS 0.015982
Underflow 93855
Overflow 315
Integral 6.0322e+05
×10^3
number of cosmics
200
100
0
-0.25
-0.2
-0.15
-0.05
0.05
0.1
0.15



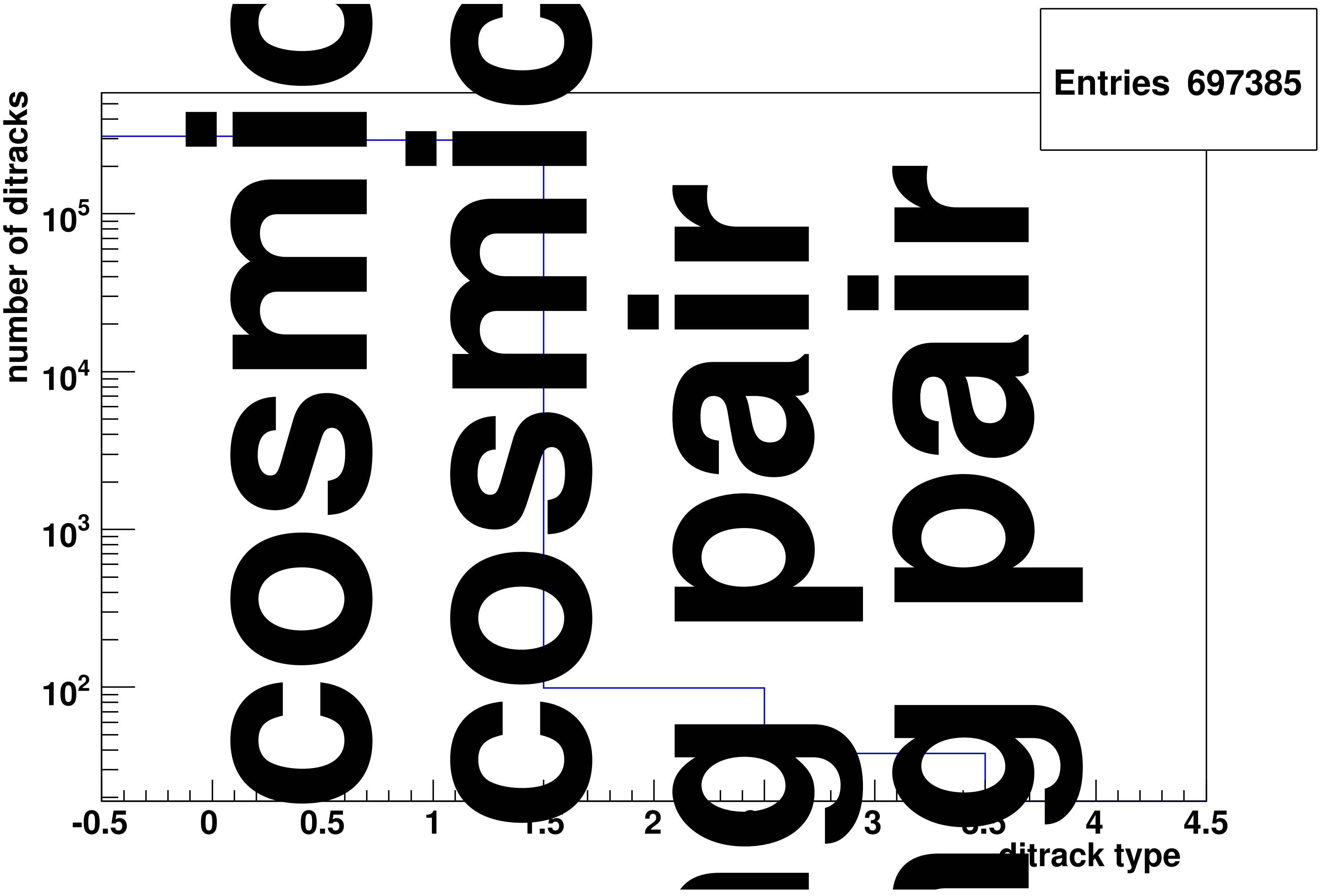
Entries 697385
Mean 82.15
RMS 28.627
Underflow 93598
Overflow 5
Integral 6.0378e+05
number of cosmics
40000
20000
0
0
50
100
250
300
400

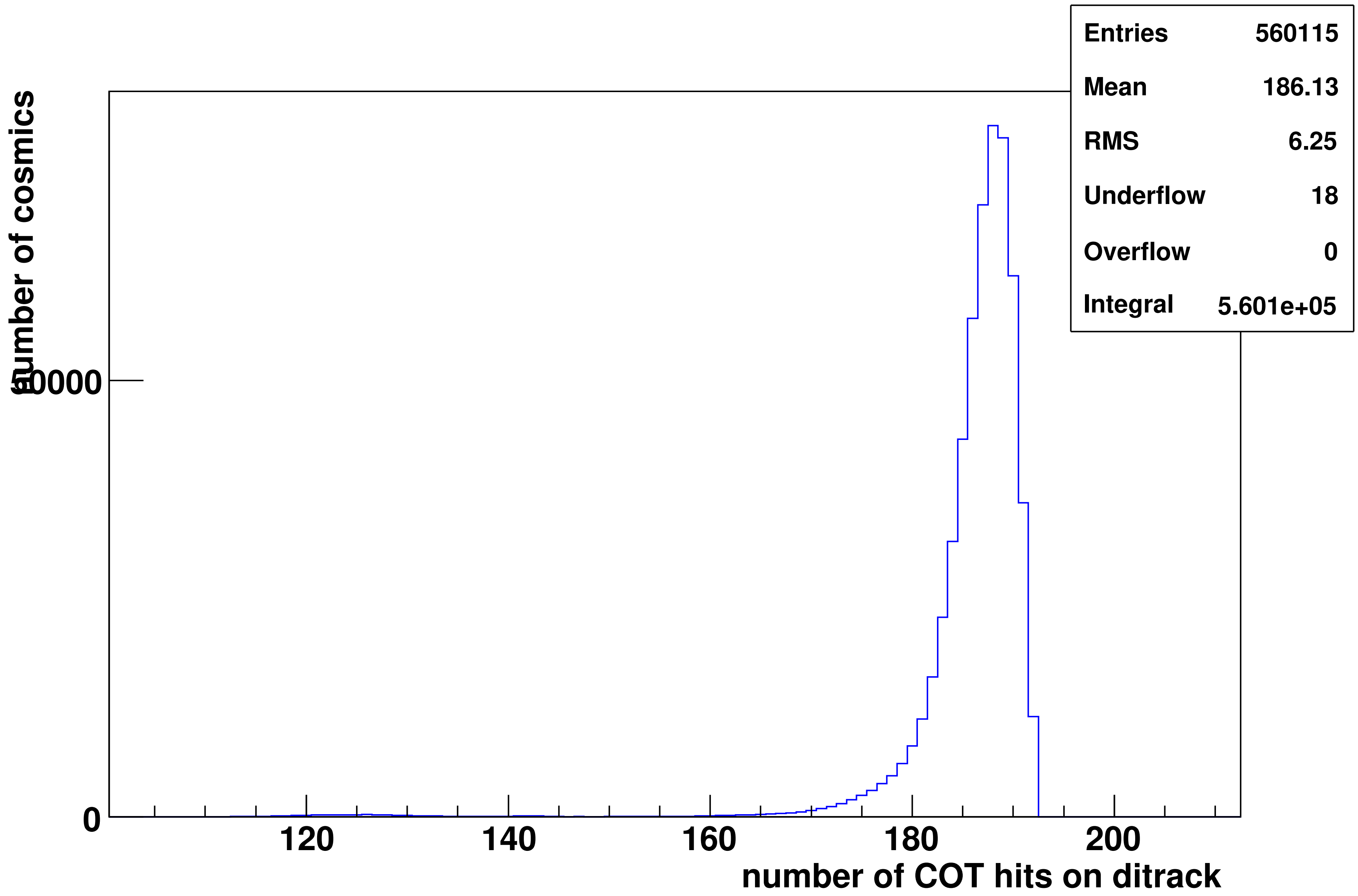


Entries 697385
Mean 0.97983
RMS 0.24184
Underflow 0
Overflow 3528
Integral 6.9386e+05
$\times 10^{3}$
number of cosmics
100
50
0
0
0.2
0.8
1
1.4
1.6
2

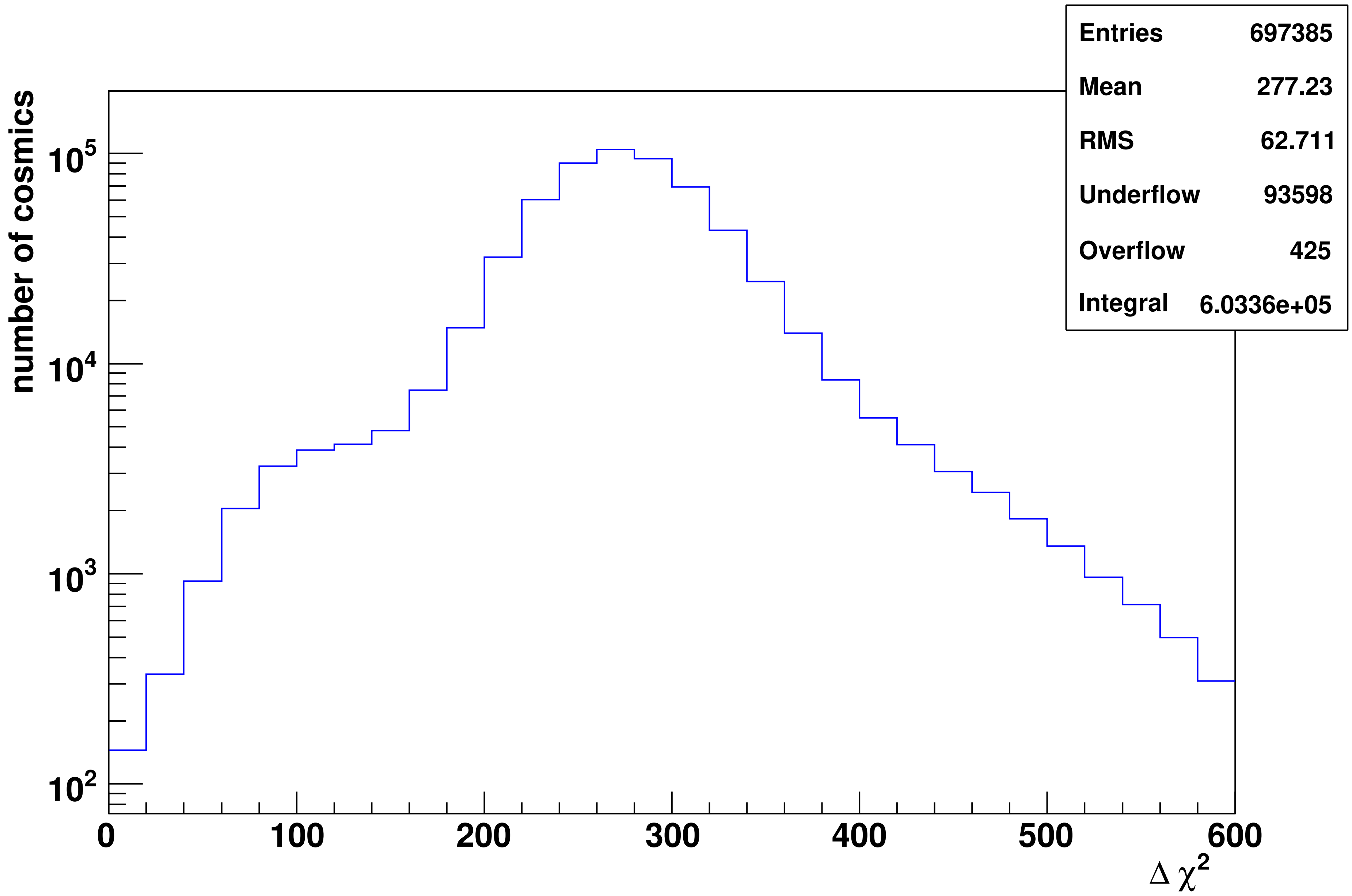


Entries 697385
Mean 2.2271
RMS 0.11903
Underflow 0
Overflow 93646
Integral 6.0374e+05
number of cosmics
0
20000
40000
60000
0.5
1
1.5
2
2.5
3
3.5

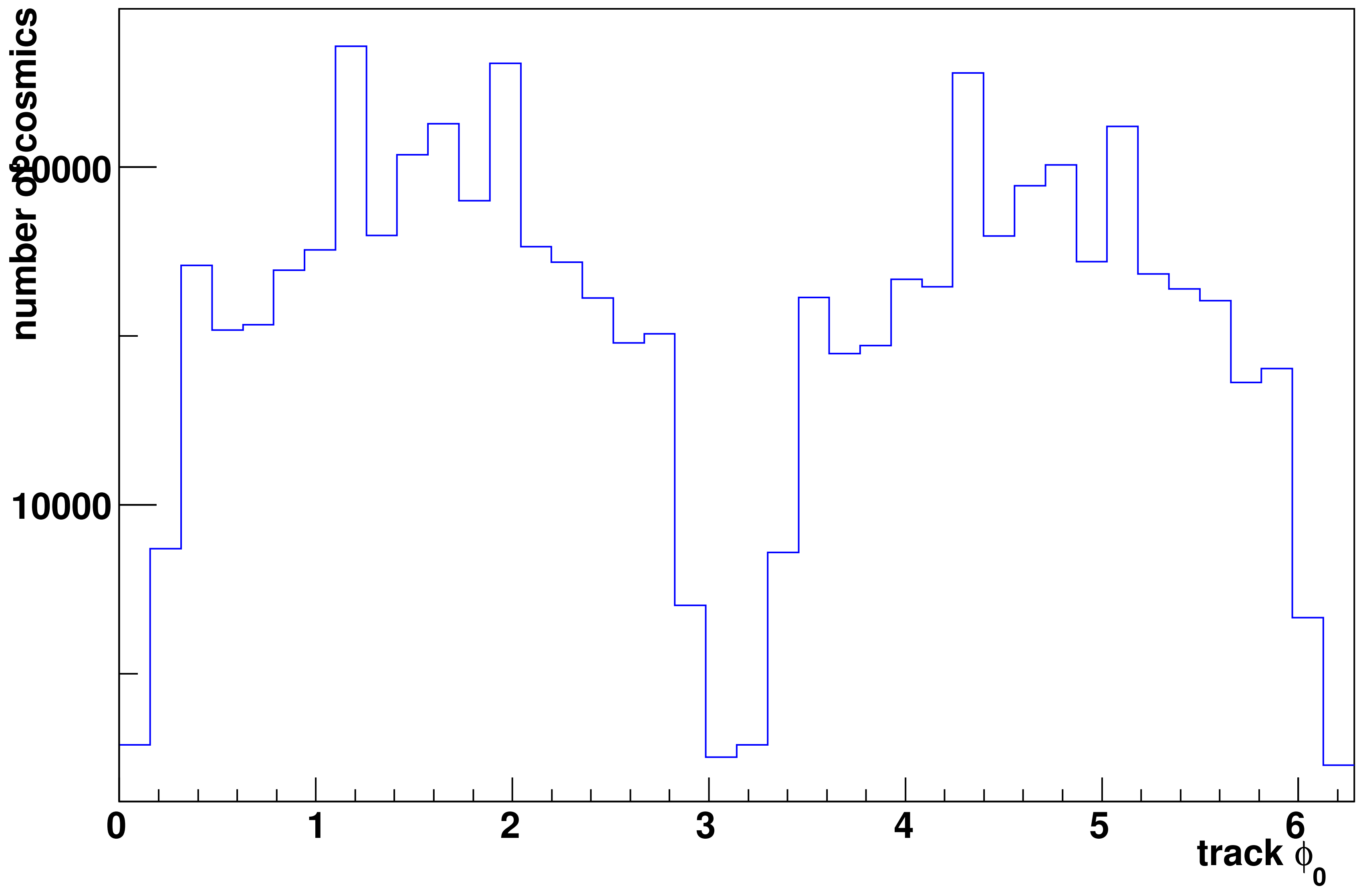

Entries 697385
number of ditracks
$10^5$
$10^4$
$10^3$
$10^2$
-0.5
0
0.5
1
1.5
2
3
4
4.5
ditrack type
cosmic
cosmic
pair
pair

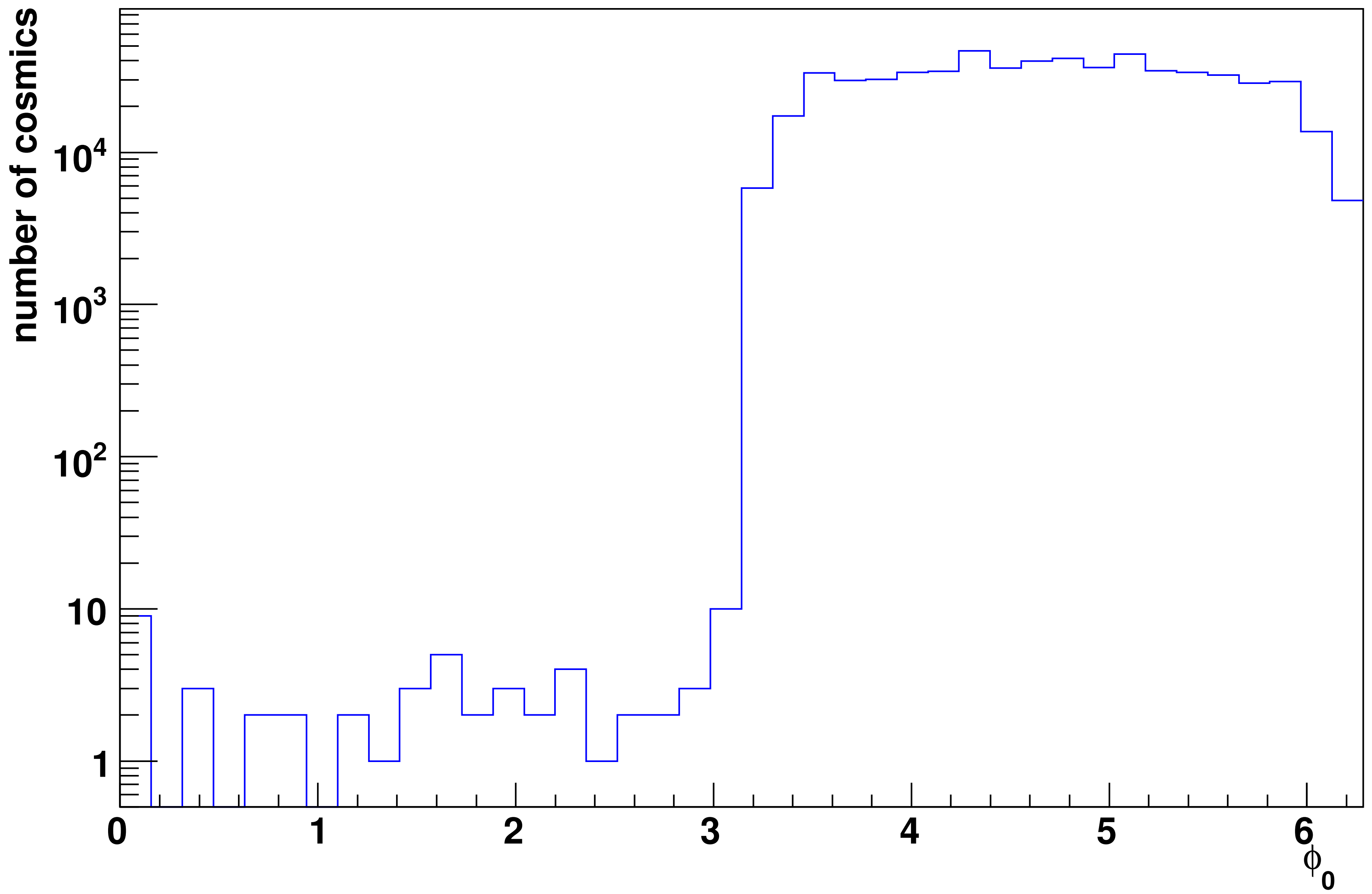


Entries 560115
Mean 186.13
RMS 6.25
Underflow 18
Overflow 0
Integral 5.601e+05
number of cosmics
0
120
140
160
180
200
number of COT hits on ditrack

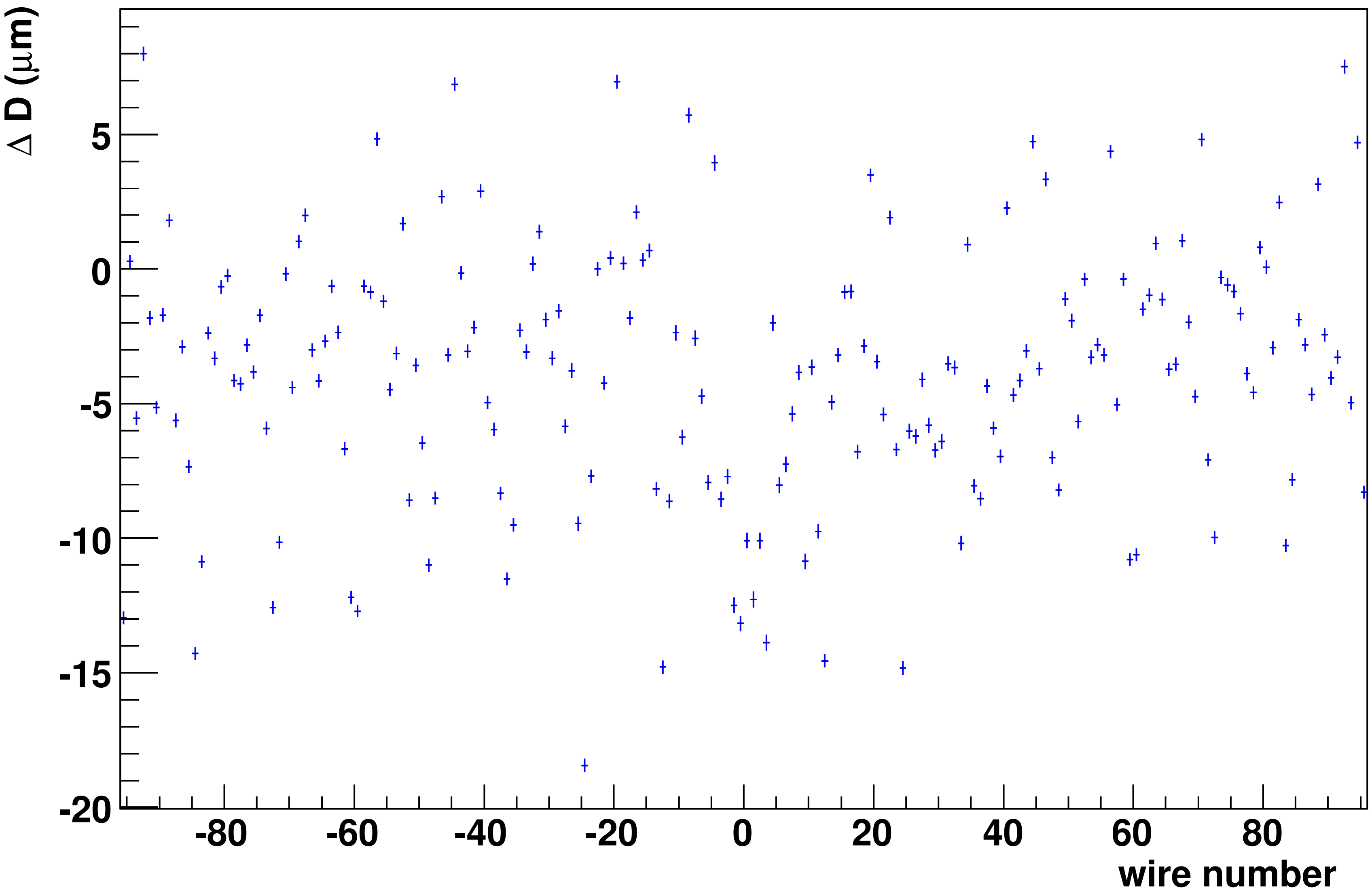


Entries 697385
Mean 277.23
RMS 62.711
Underflow 93598
Overflow 425
Integral 6.0336e+05
number of cosmics
$10^5$
$10^4$
$10^3$
$10^2$
0
100
200
300
400
500
600
$\Delta\chi^2$

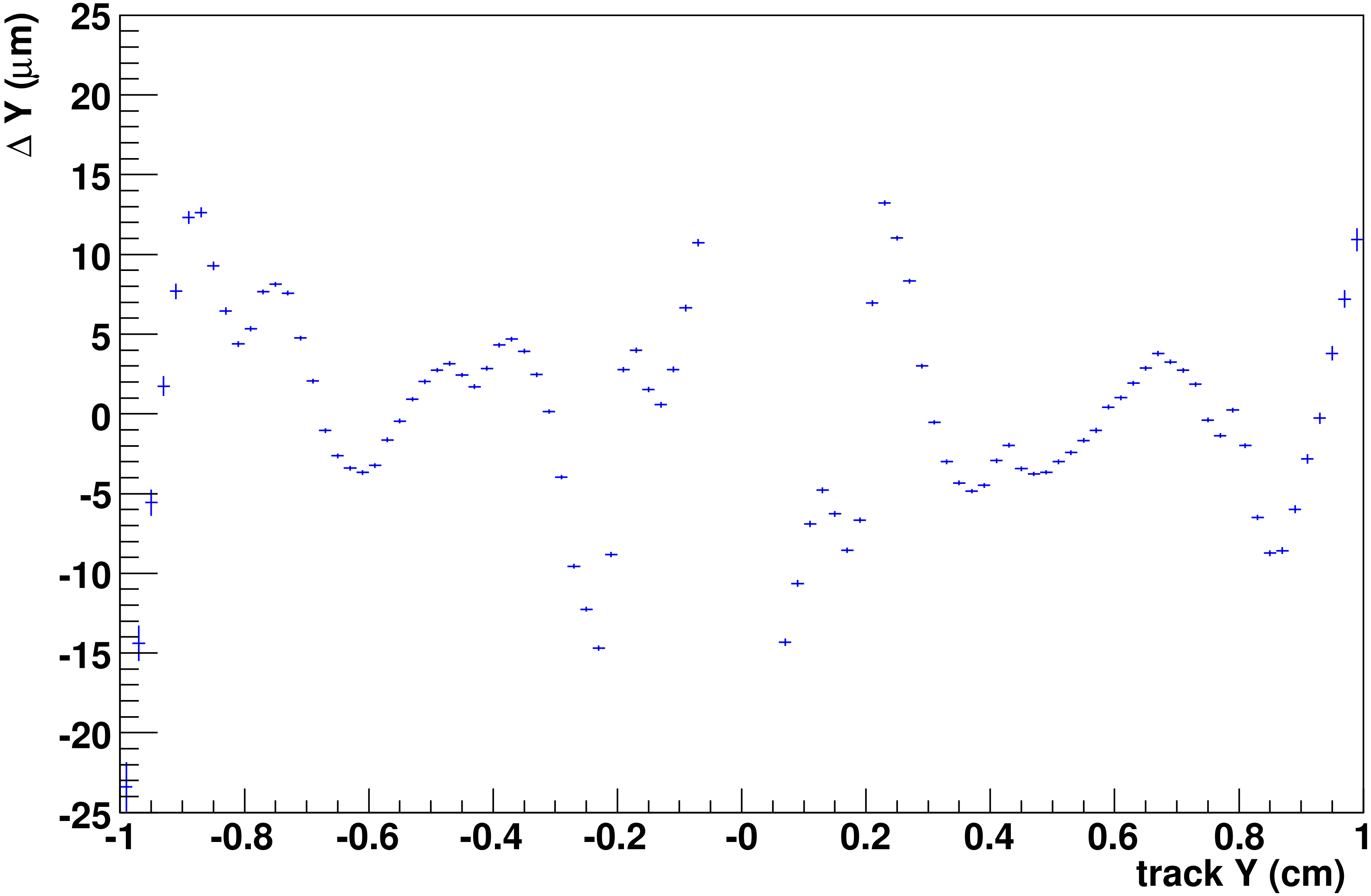

number of cosmics
20000
10000
0
1
2
3
4
5
6
track $\phi_0$



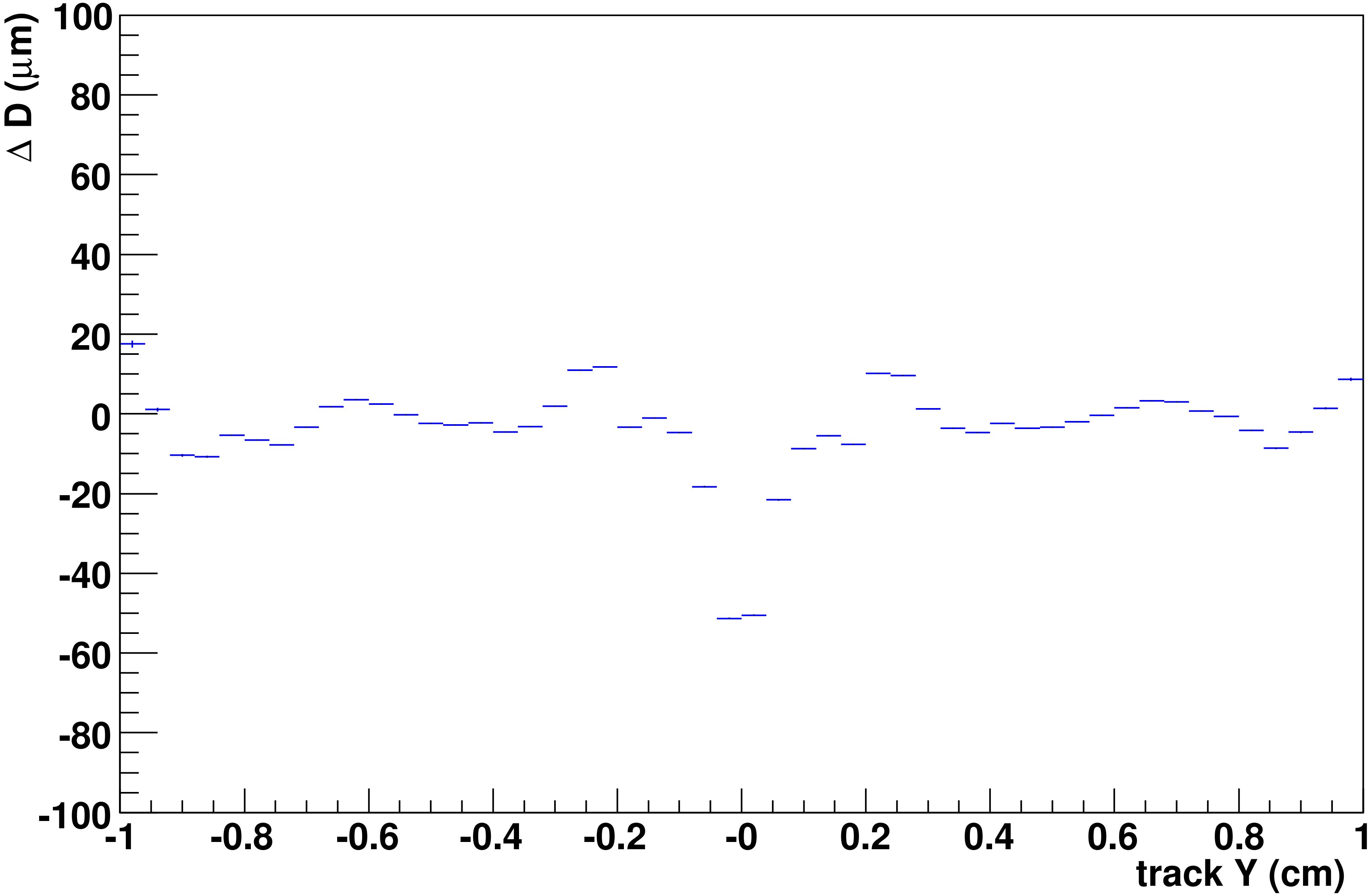
number of cosmics
$10^4$
$10^3$
$10^2$
10
1
0
1
2
3
4
5
6
$\phi_0$



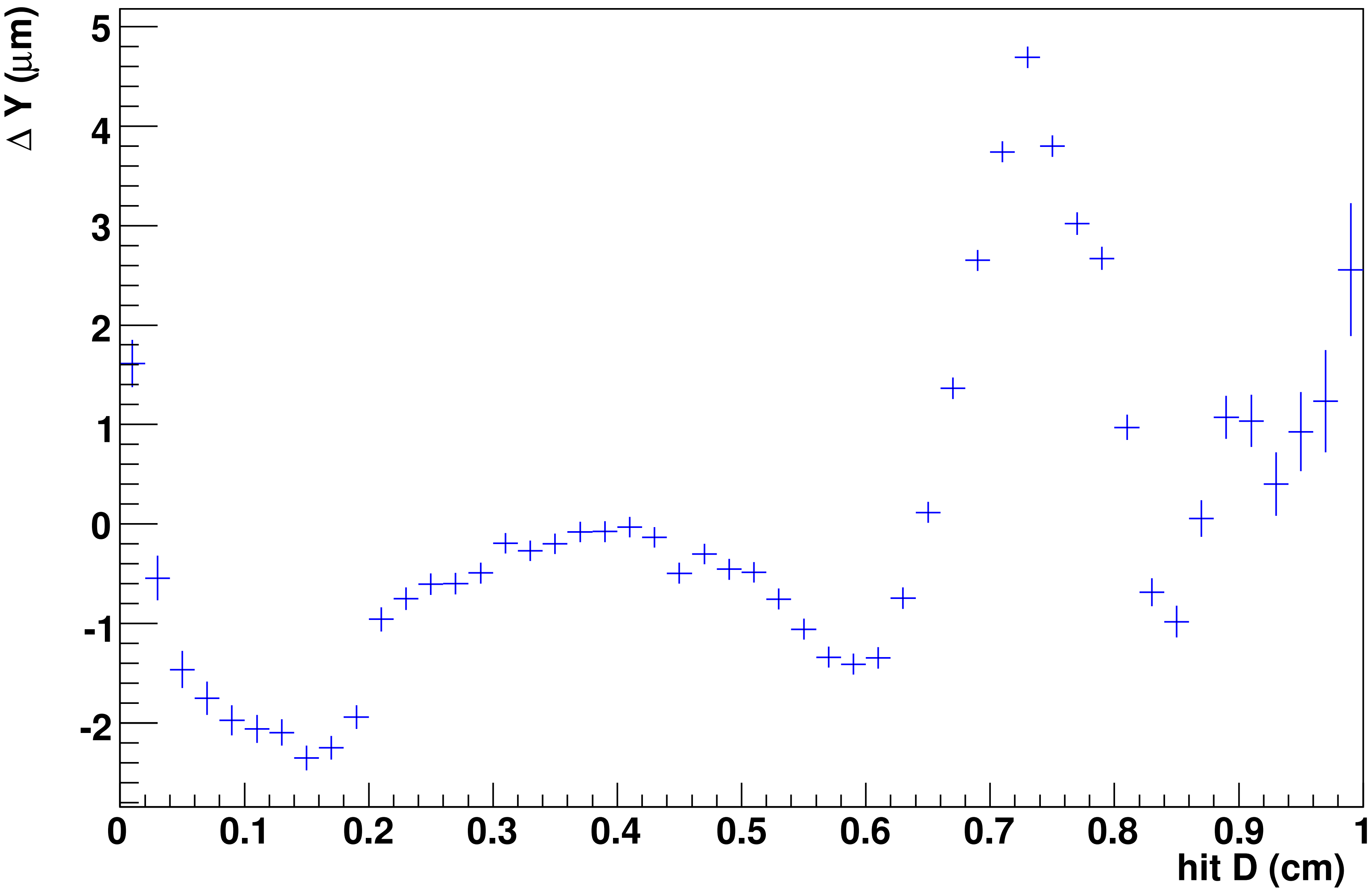
Δ D (μm)
5
0
-5
-10
-15
-20
-80
-60
-40
-20
0
20
40
60
80
wire number

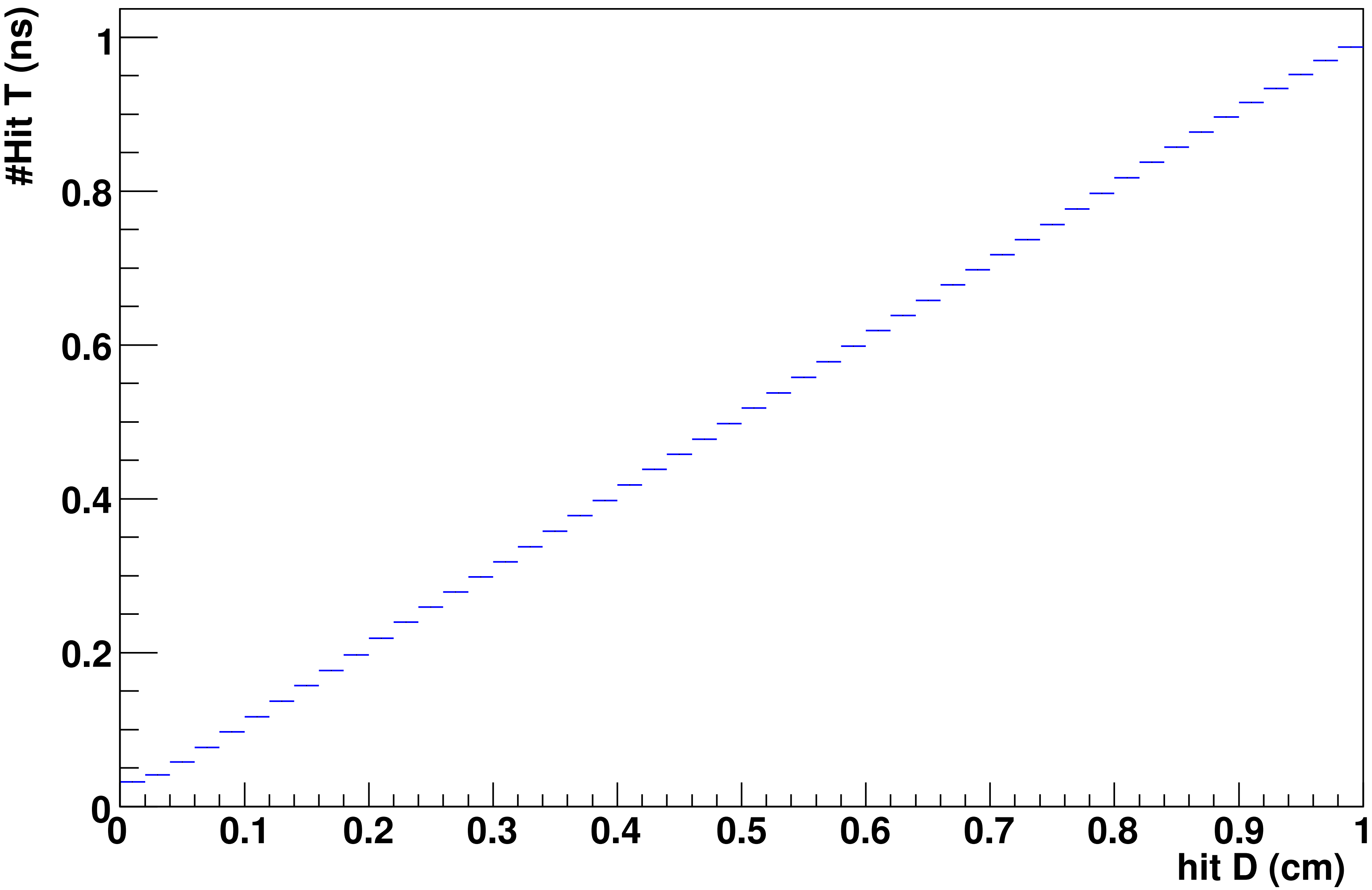


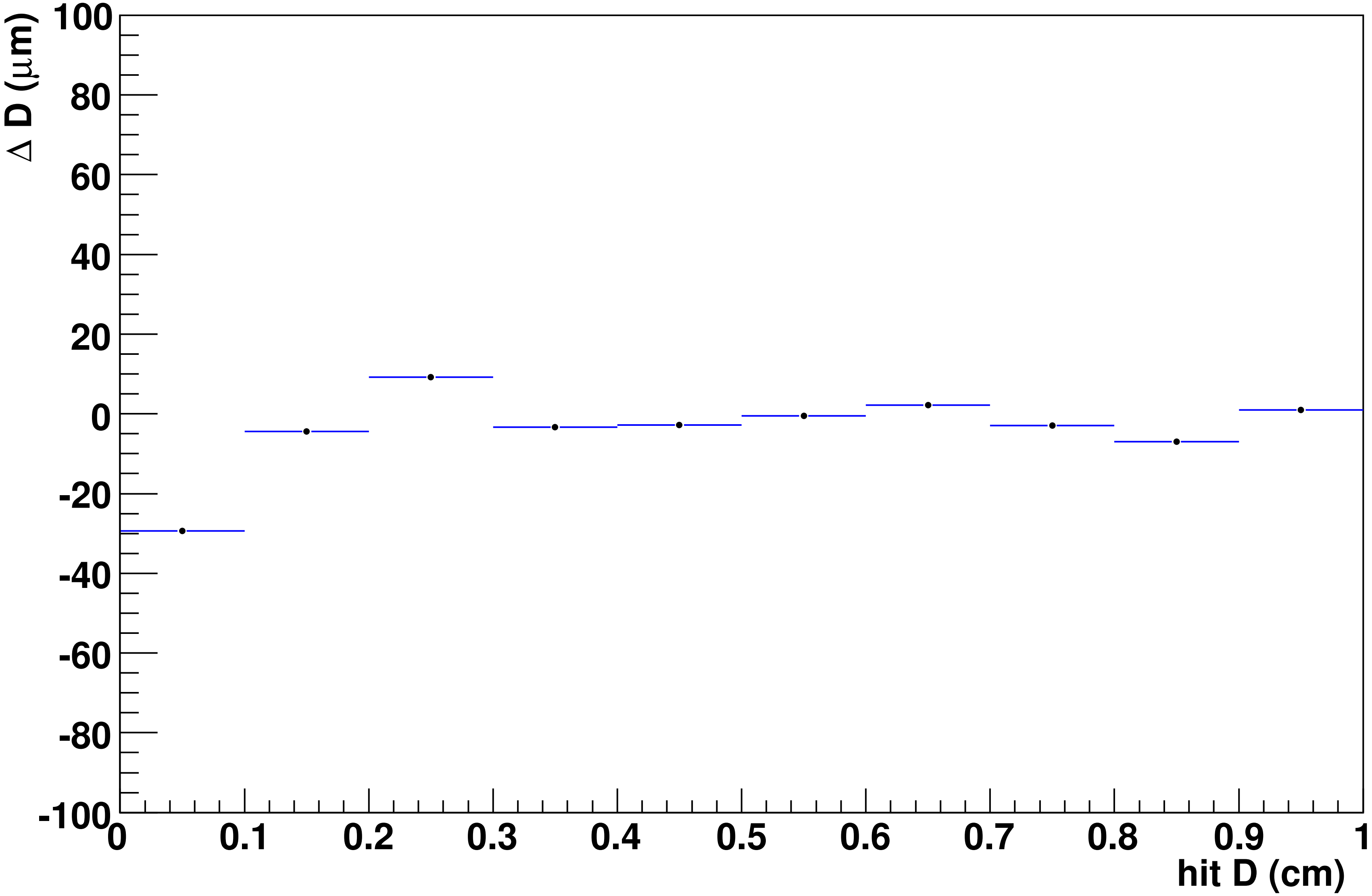
Δ Y (μm)
25
20
15
10
5
0
-5
-10
-15
-20
-25
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)

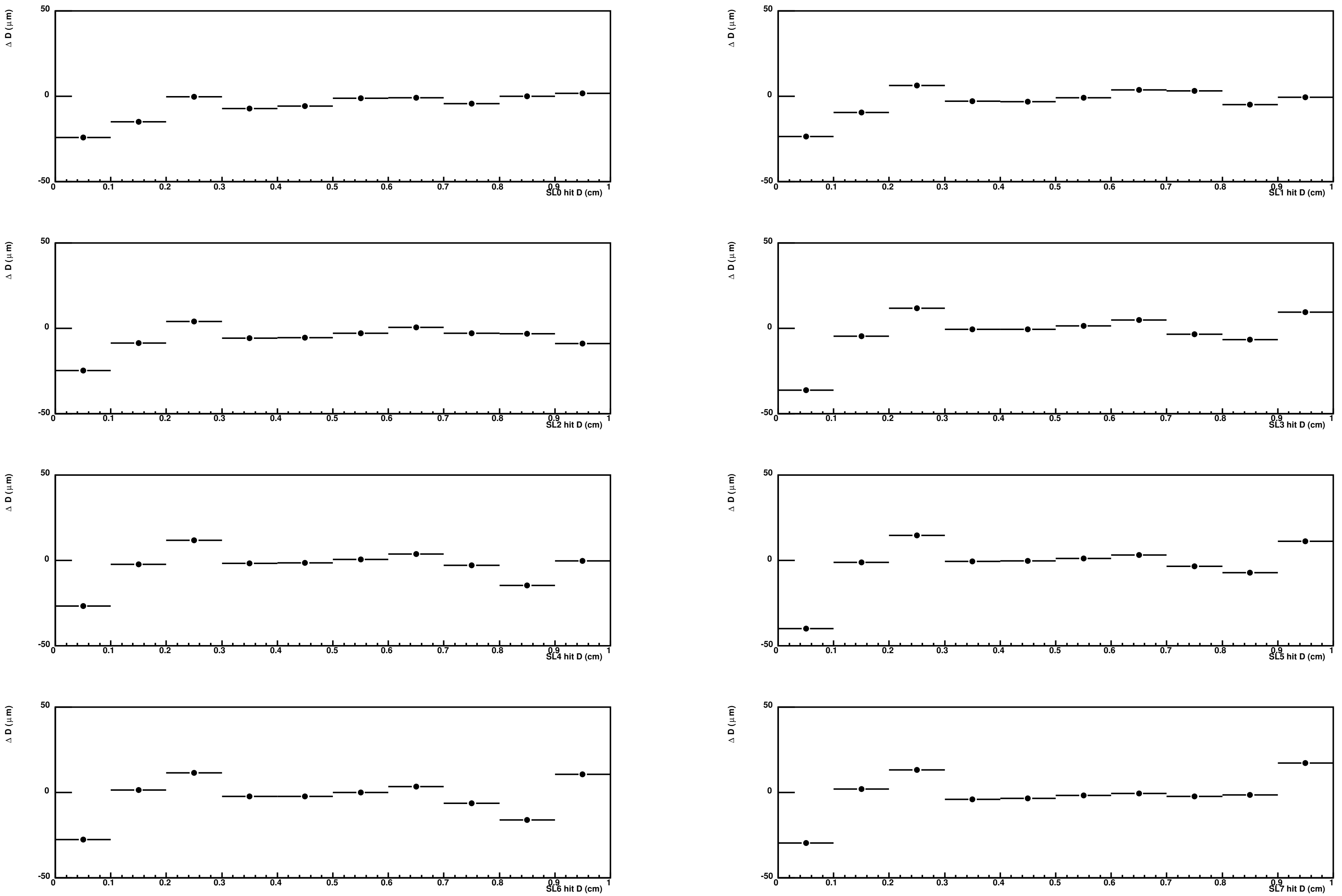


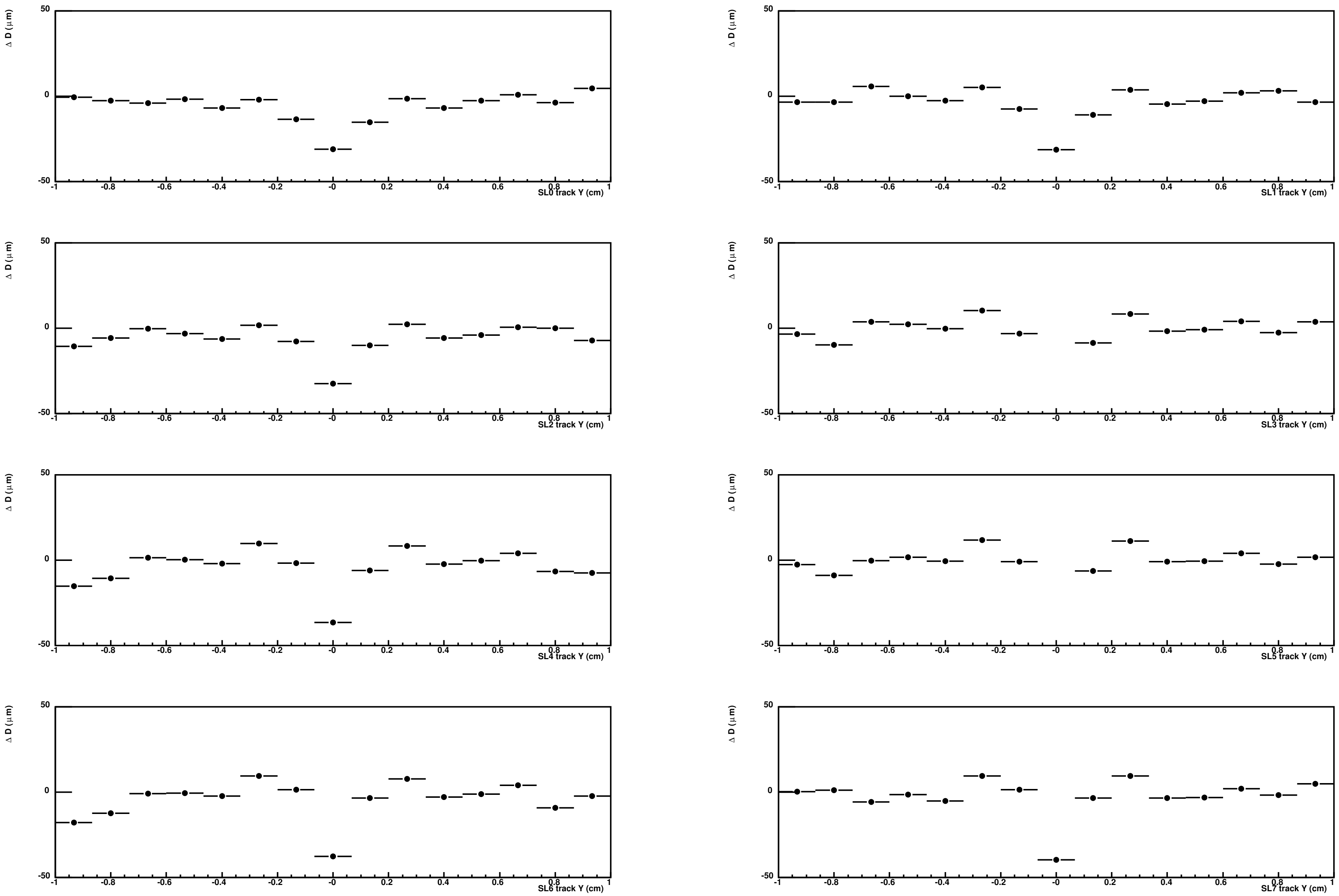
Δ D (μm)
100
80
60
40
20
0
-20
-40
-60
-80
-100
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)

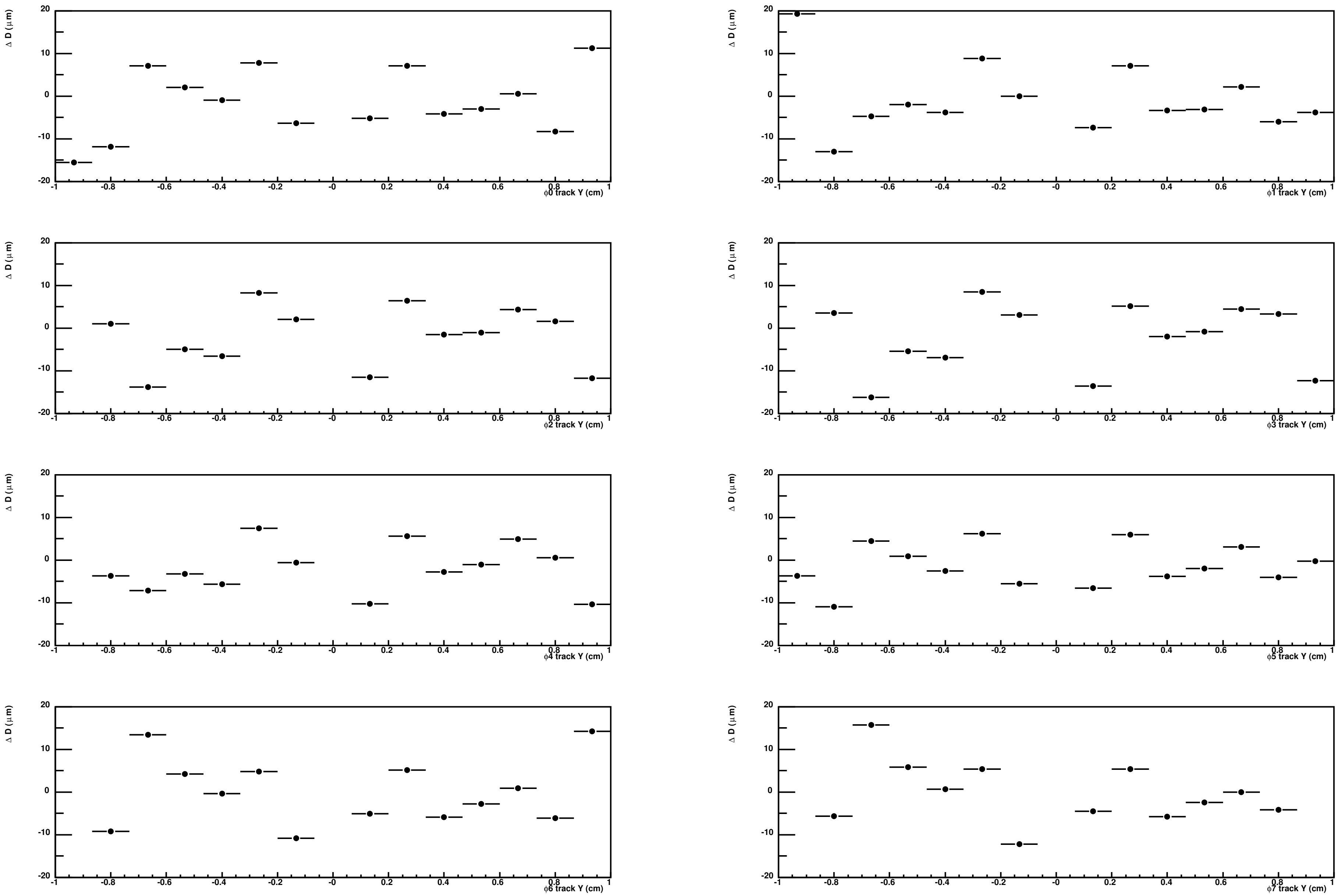

Δ Y (μm)
5
4
3
2
1
0
-1
-2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

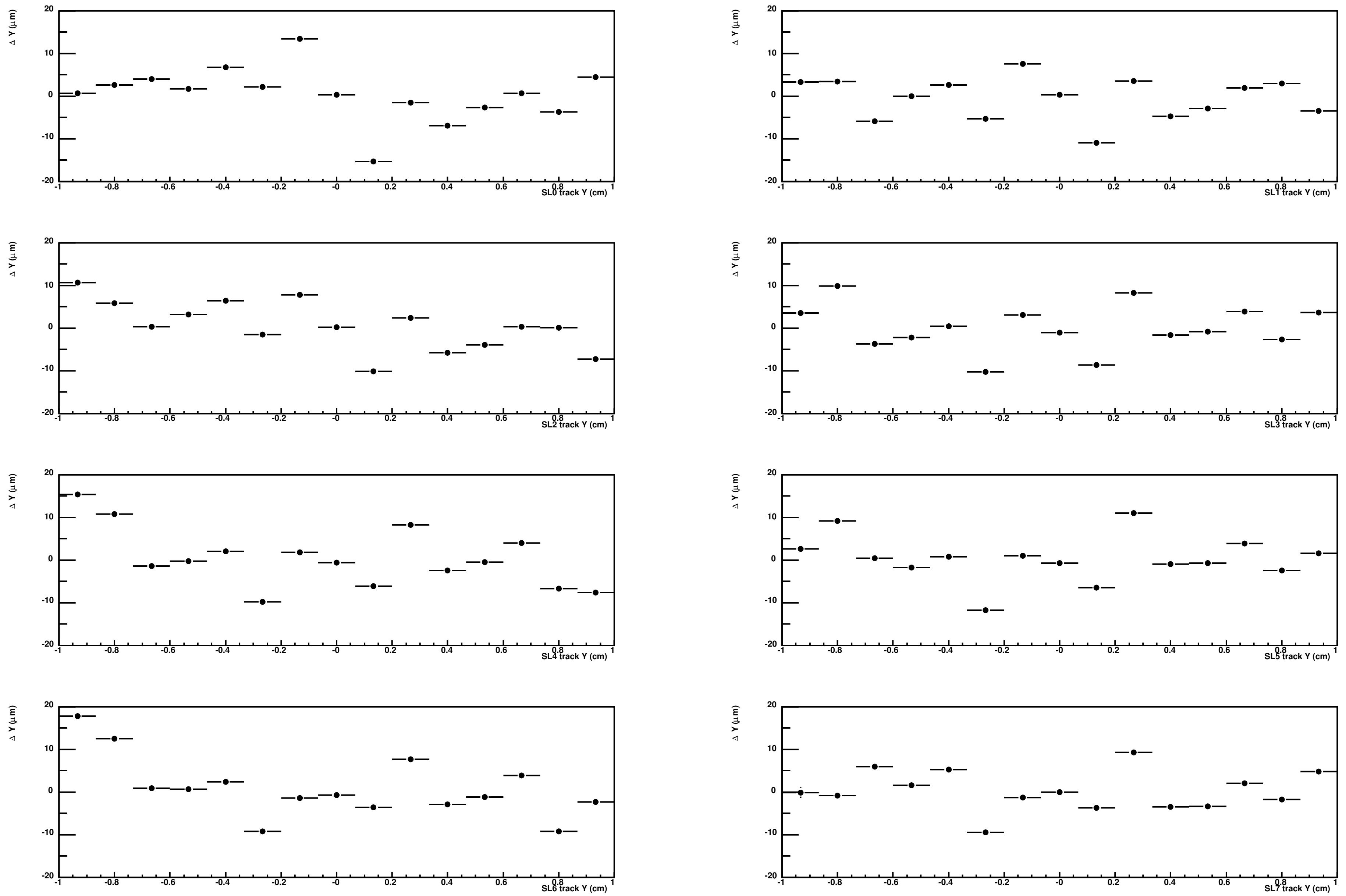

#Hit T (ns)
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)


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)

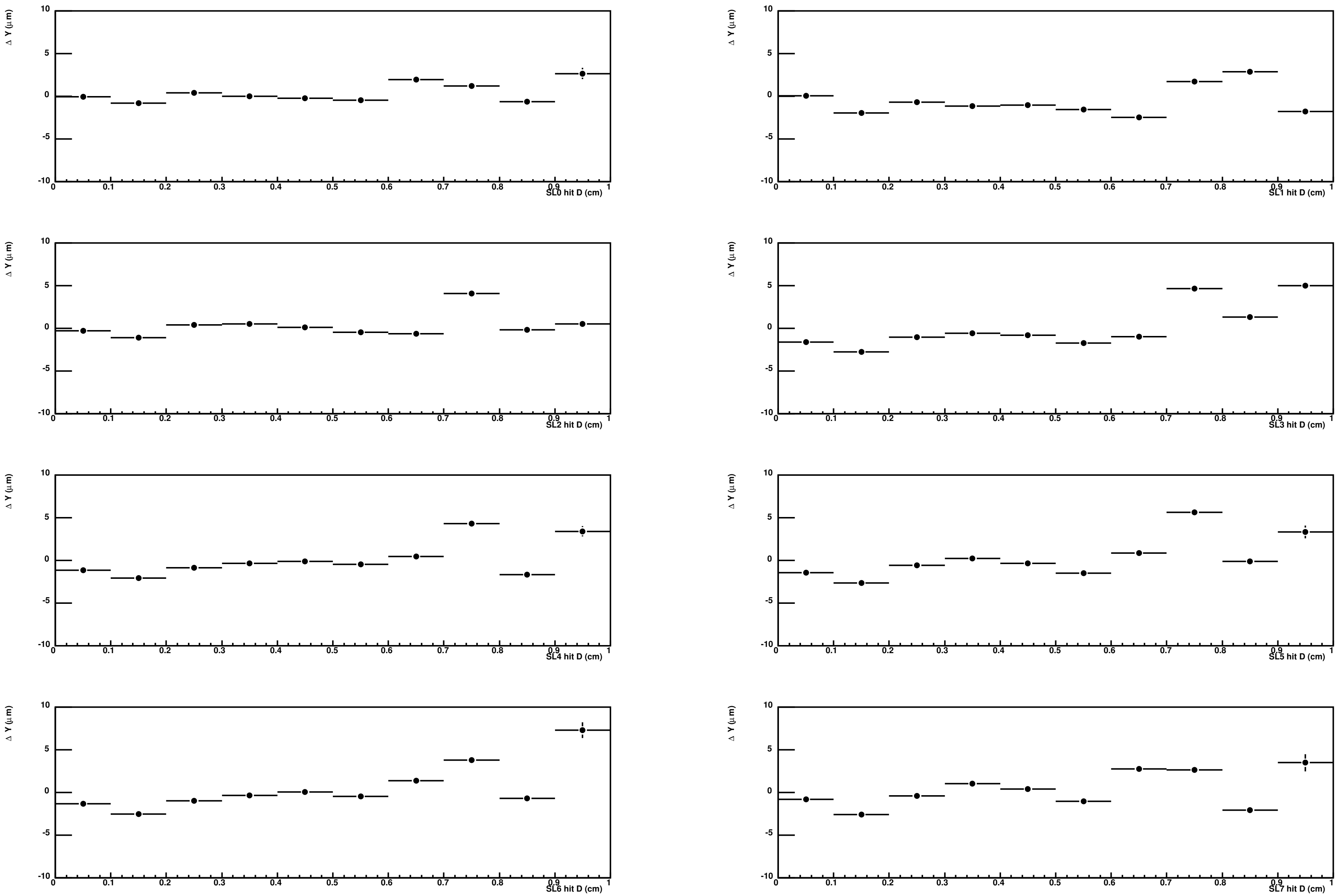

Δ D (μm)
SL0 hit D (cm)
SL1 hit D (cm)
SL2 hit D (cm)
SL3 hit D (cm)
SL4 hit D (cm)
SL5 hit D (cm)
SL6 hit D (cm)
SL7 hit D (cm)

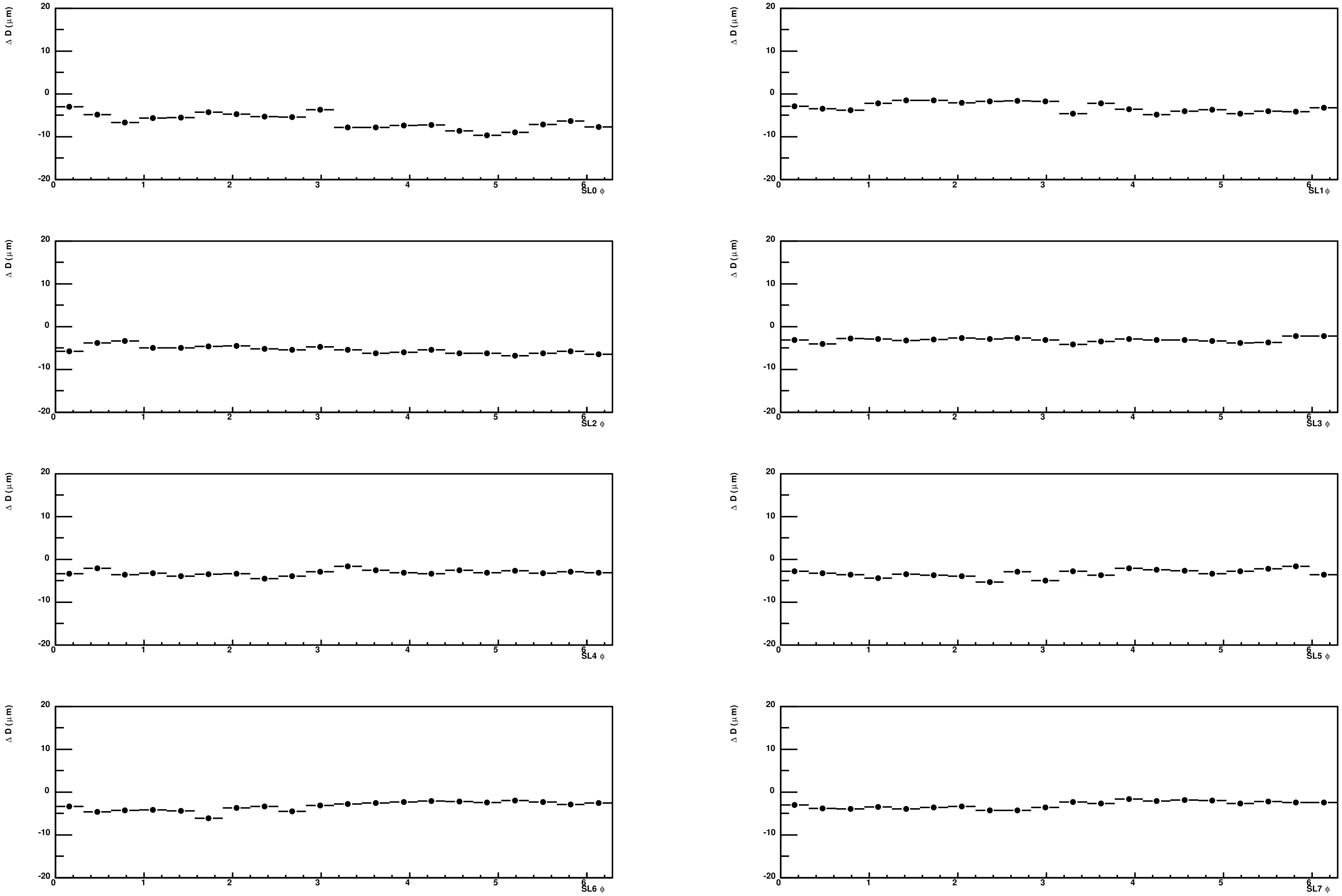

Δ D (μm)
SL0 track Y (cm)
Δ D (μm)
SL1 track Y (cm)
Δ D (μm)
SL2 track Y (cm)
Δ D (μm)
SL3 track Y (cm)
Δ D (μm)
SL4 track Y (cm)
Δ D (μm)
SL5 track Y (cm)
Δ D (μm)
SL6 track Y (cm)
Δ D (μm)
SL7 track Y (cm)

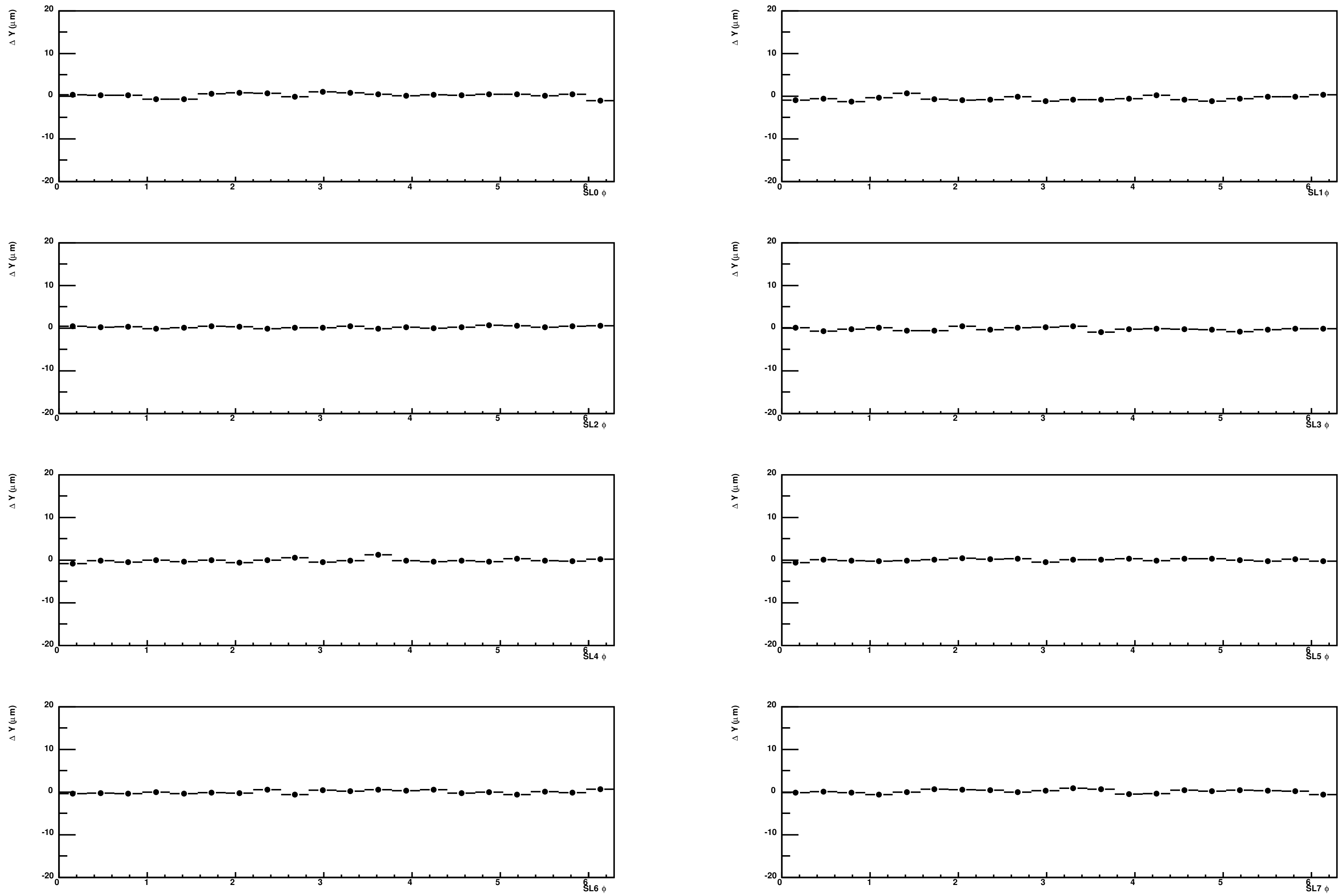

Δ D (μm)
φ0 track Y (cm)
φ1 track Y (cm)
φ2 track Y (cm)
φ3 track Y (cm)
φ4 track Y (cm)
φ5 track Y (cm)
φ6 track Y (cm)
φ7 track Y (cm)



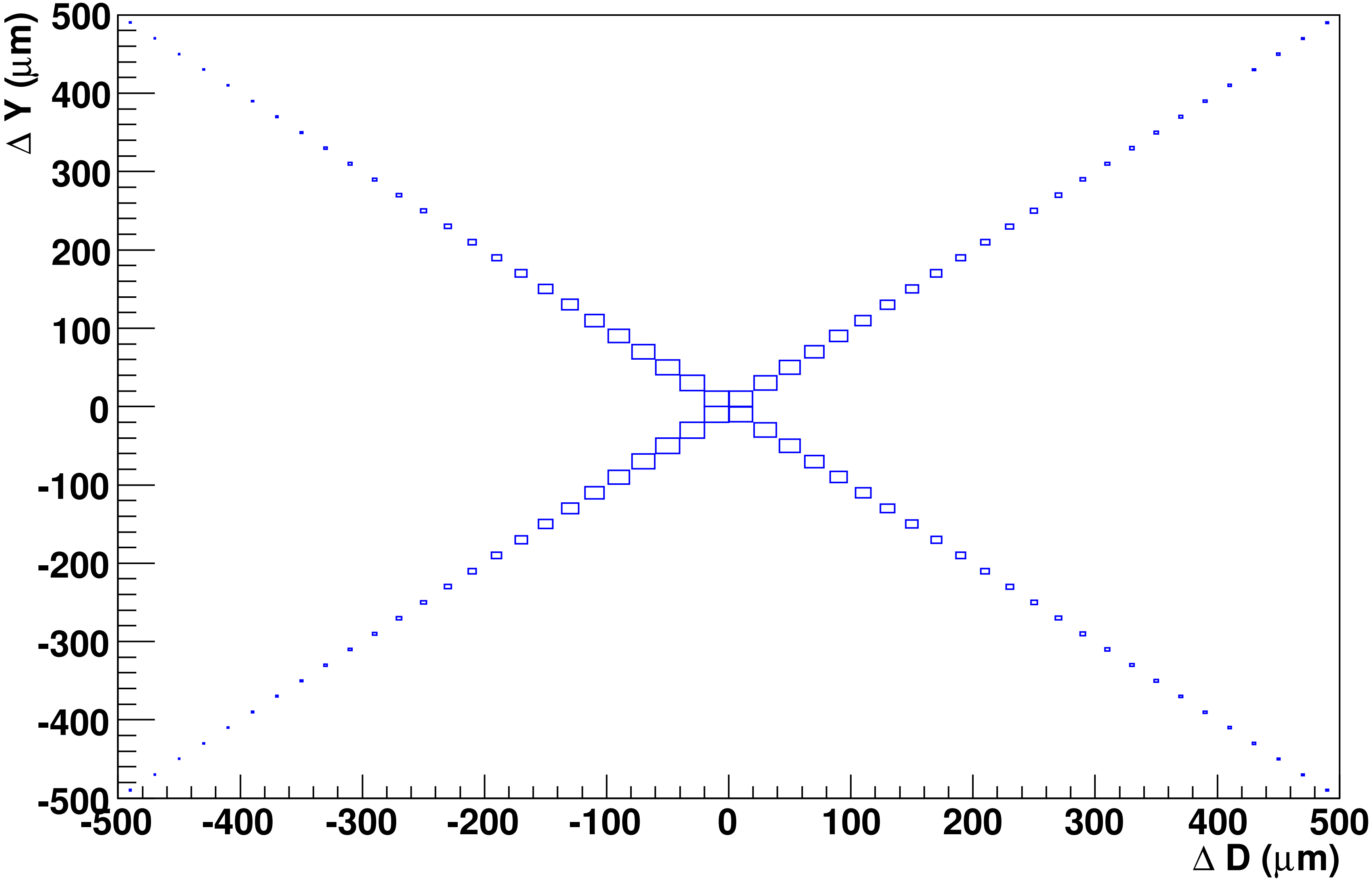
Δ Y (μ m)
SL0 track Y (cm)
SL1 track Y (cm)
SL2 track Y (cm)
SL3 track Y (cm)
SL4 track Y (cm)
SL5 track Y (cm)
SL6 track Y (cm)
SL7 track Y (cm)


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)

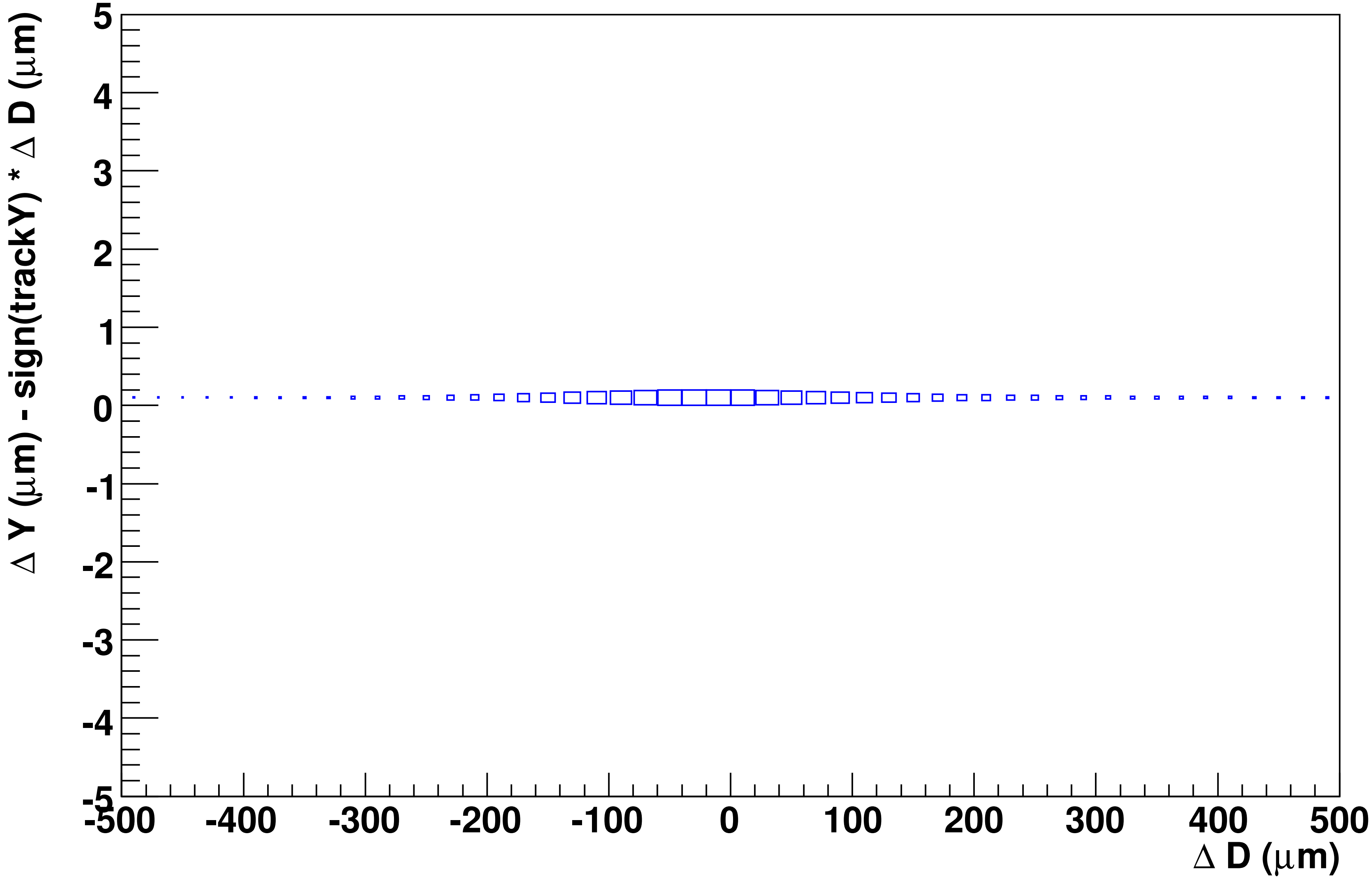

Δ D (μm)
SL0 φ
SL1 φ
SL2 φ
SL3 φ
SL4 φ
SL5 φ
SL6 φ
SL7 φ
20
10
0
-10
-20
0
1
2
3
4
5
6



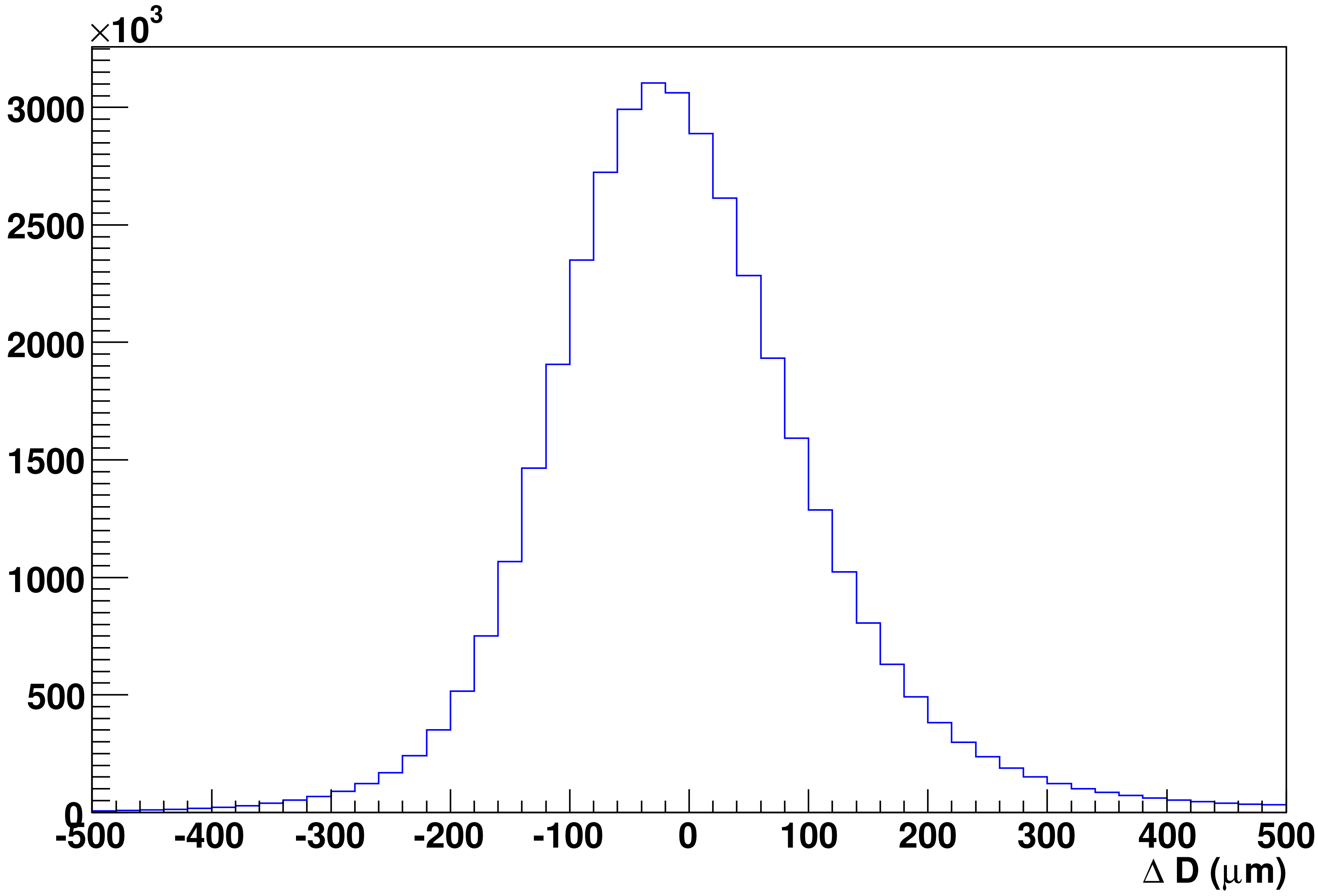
Δ Y (μm)
SL0 φ
SL1 φ
SL2 φ
SL3 φ
SL4 φ
SL5 φ
SL6 φ
SL7 φ



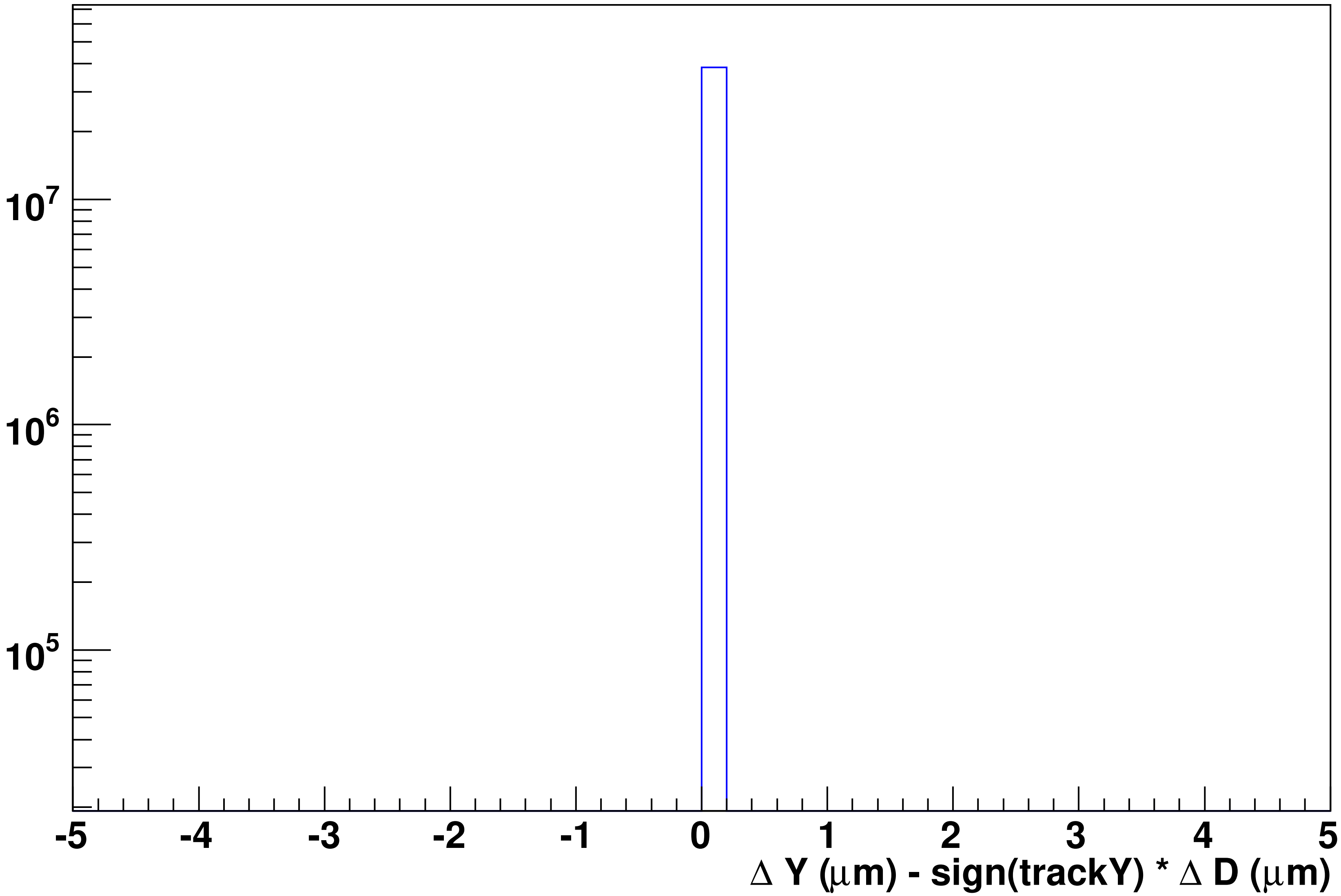
Δ Y (μm)
500
400
300
200
100
0
-100
-200
-300
-400
-500
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



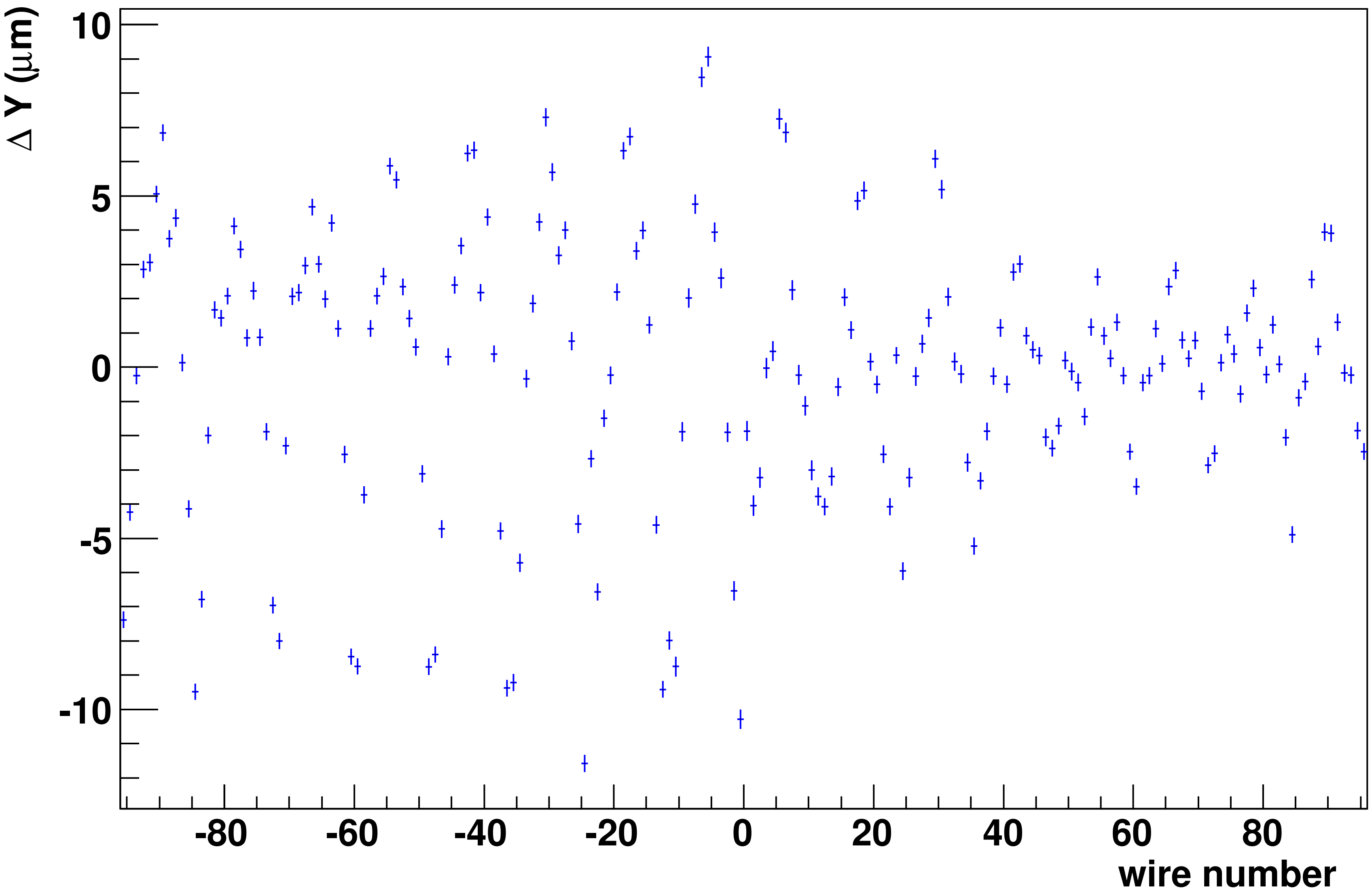
Δ Y (μm) - sign(trackY) * Δ D (μm)
5
4
3
2
1
0
-1
-2
-3
-4
-5
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)



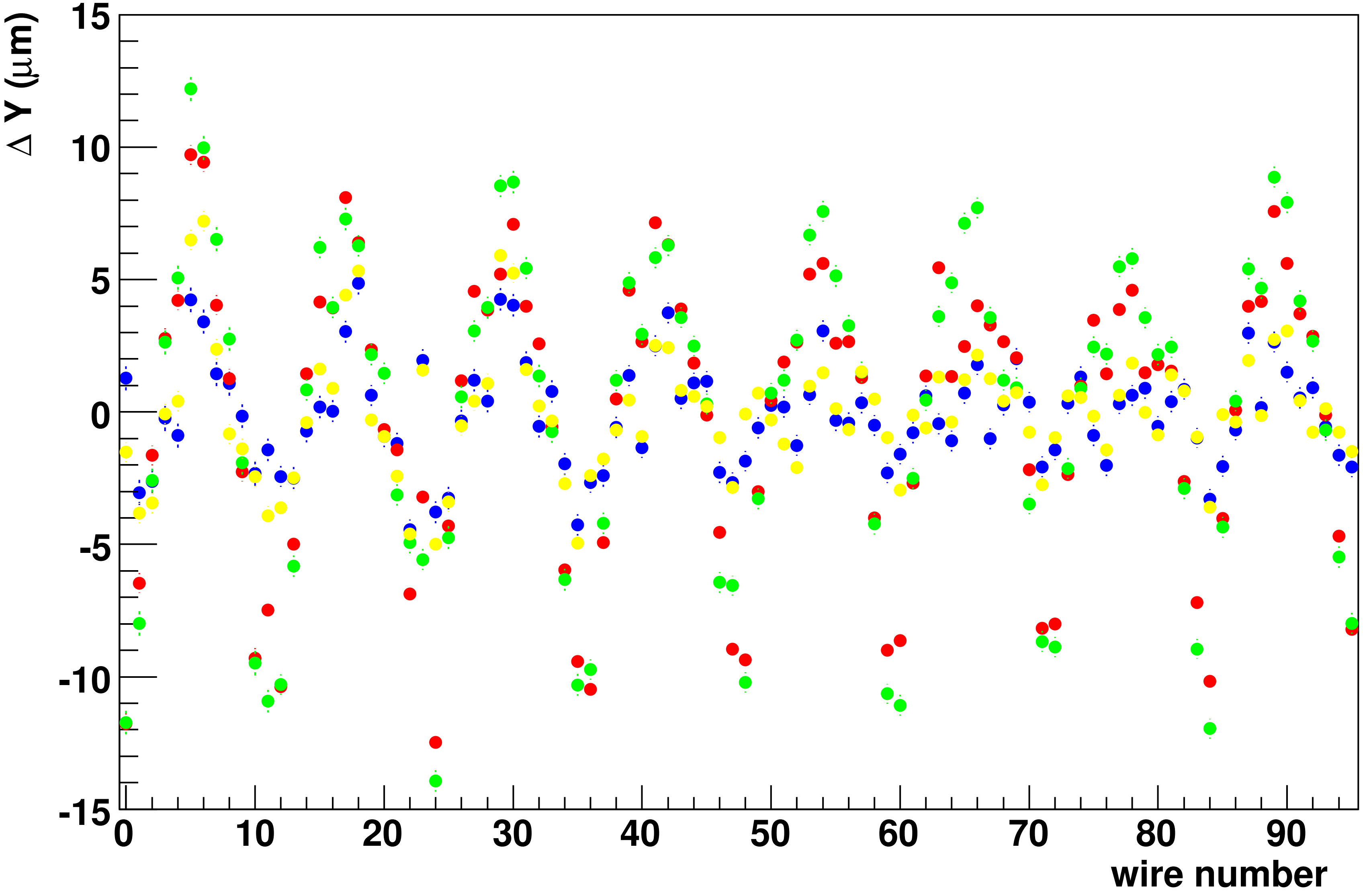
×10^3
3000
2500
2000
1500
1000
500
0
-500
-400
-300
-200
-100
0
100
200
300
400
500
Δ D (μm)

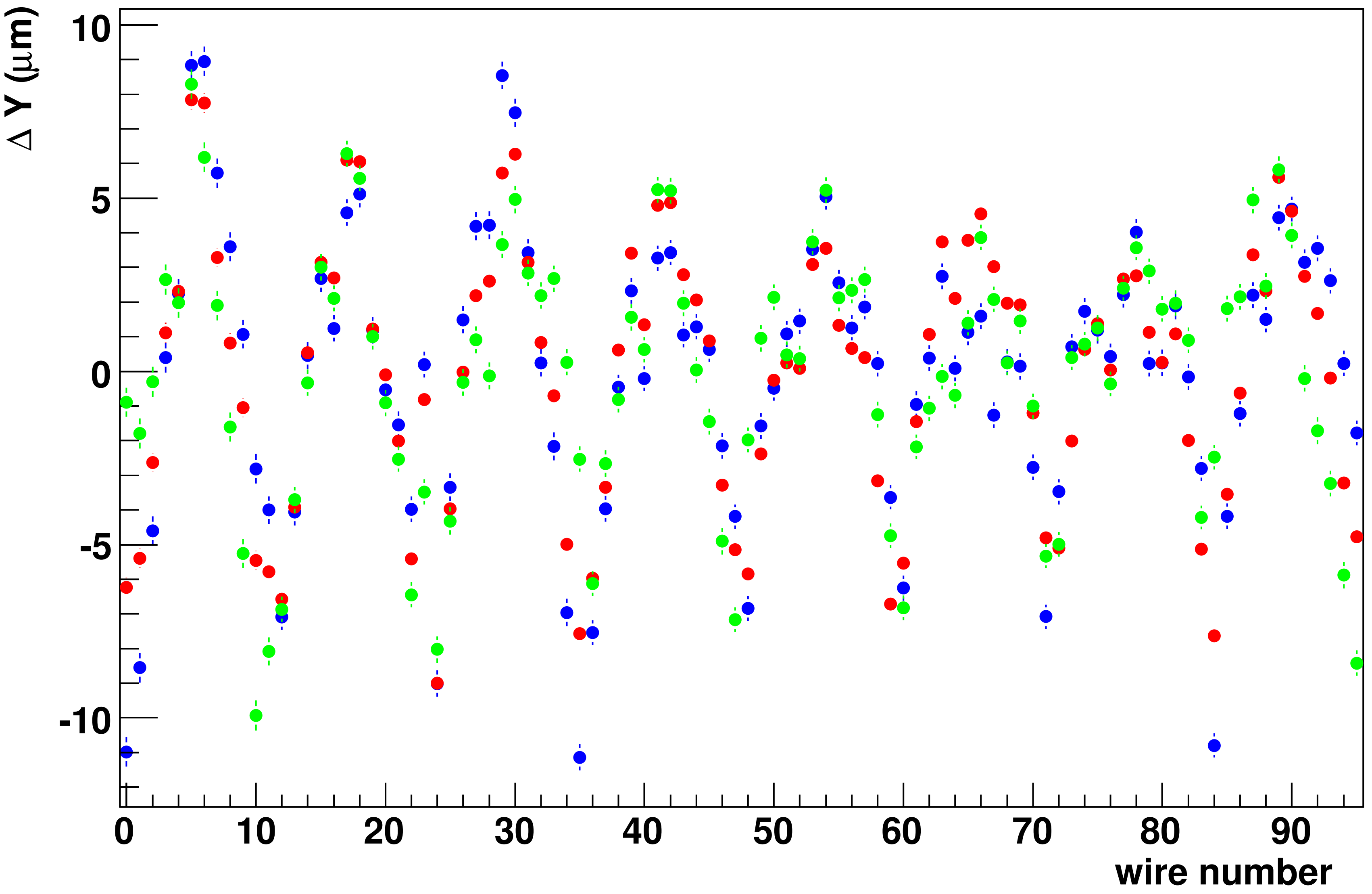


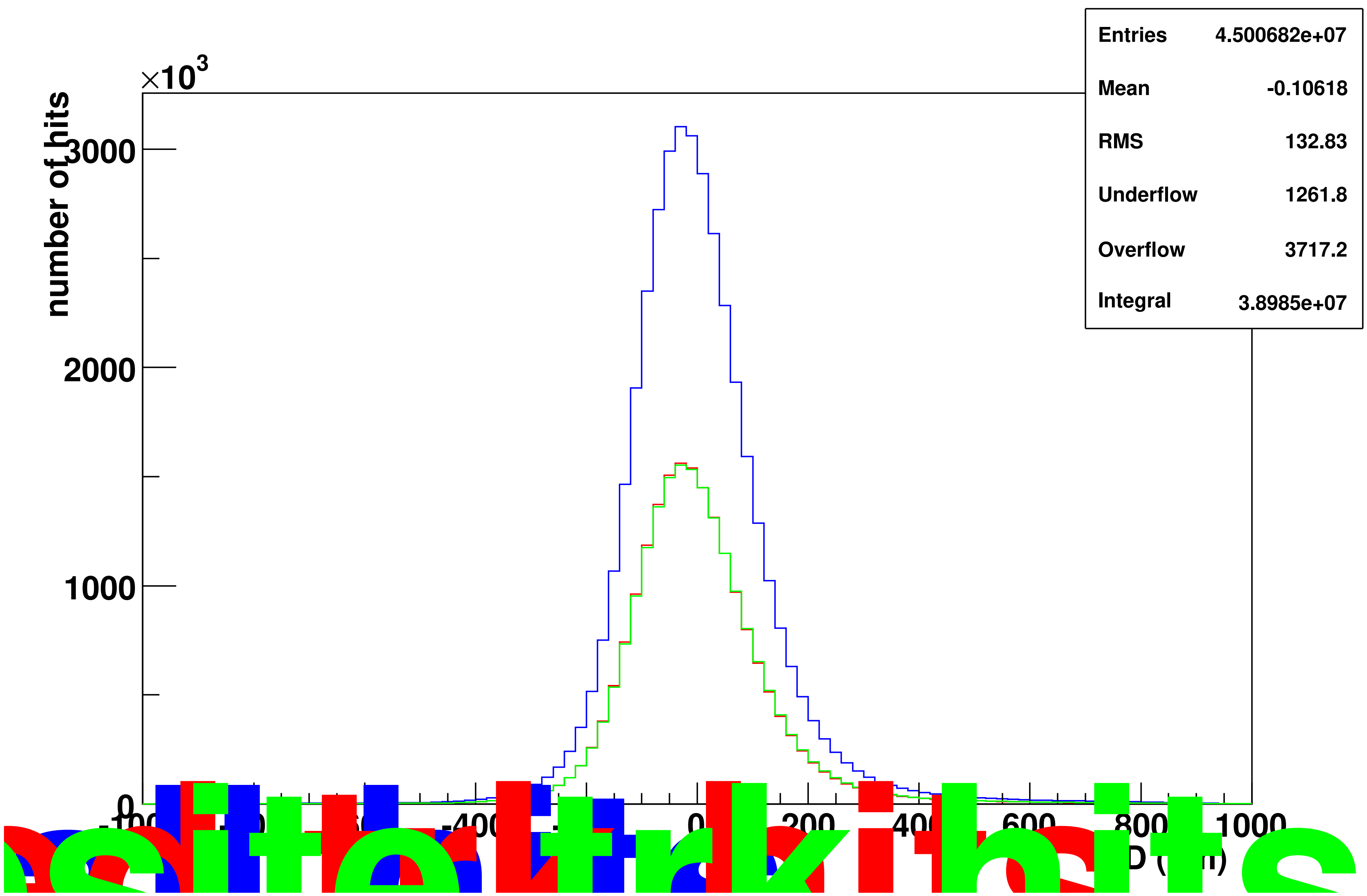
10^7
10^6
10^5
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δ Y (μm) - sign(trackY) * Δ D (μm)



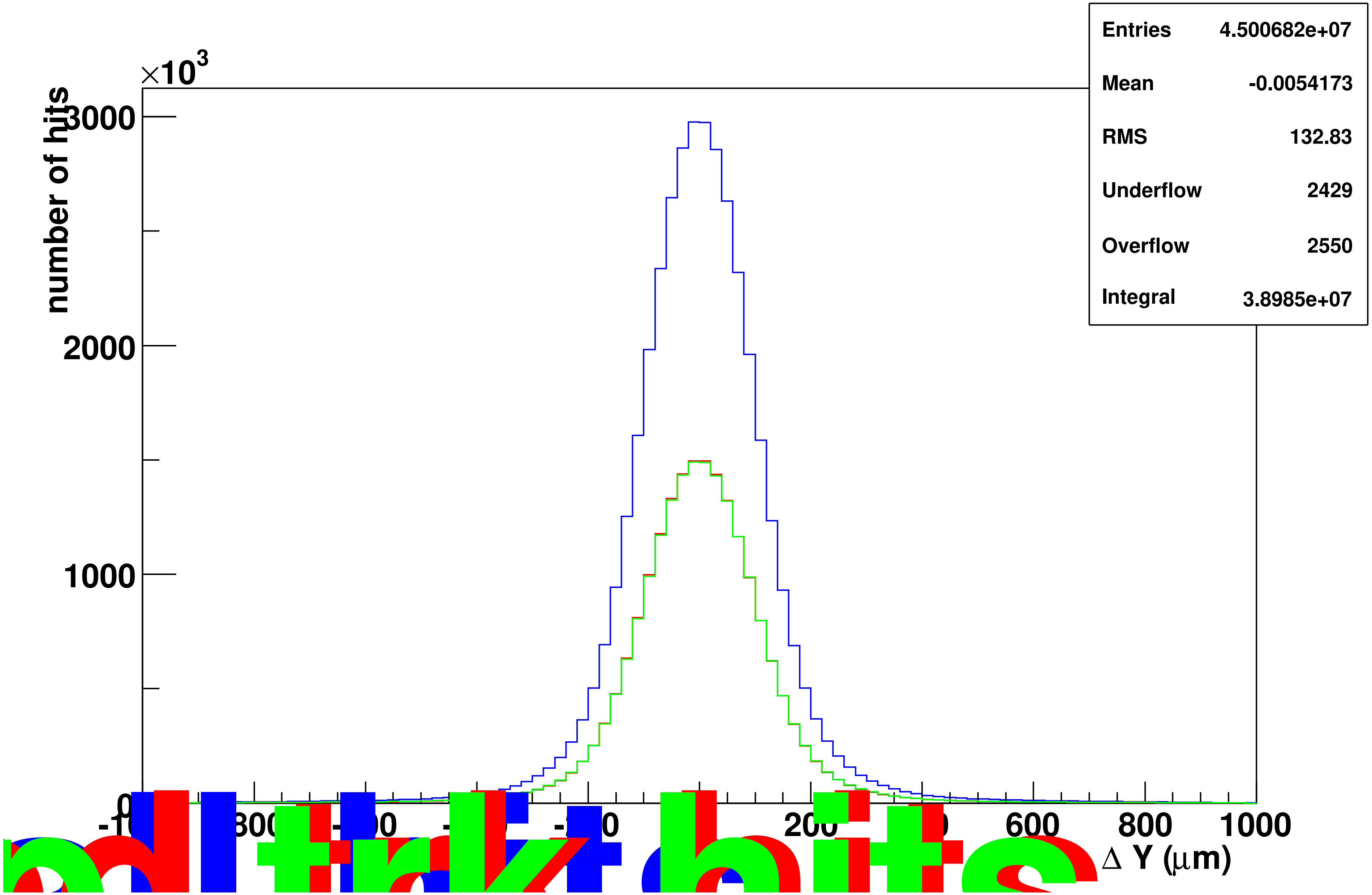
Δ Y (μm)
10
5
0
-5
-10
-80
-60
-40
-20
0
20
40
60
80
wire number

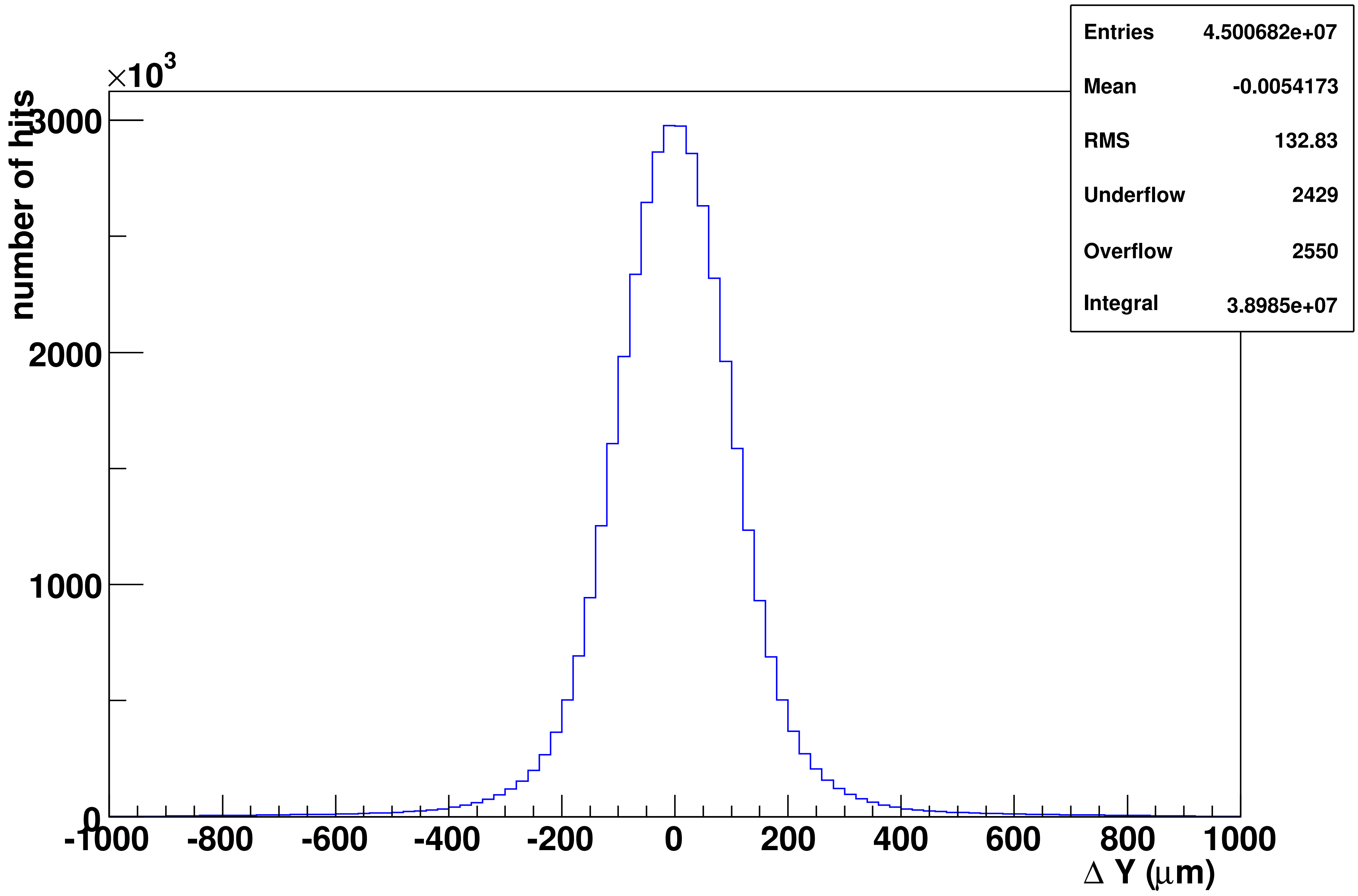

15
10
5
0
-5
-10
-15
Δ Y (μm)
0
10
20
30
40
50
60
70
80
90
wire number


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



Entries 4.500682e+07
Mean -0.10618
RMS 132.83
Underflow 1261.8
Overflow 3717.2
Integral 3.8985e+07
number of hits
×10^3
3000
2000
1000
0
200
1000


Entries 4.500682e+07
Mean -0.0054173
RMS 132.83
Underflow 2429
Overflow 2550
Integral 3.8985e+07
×10^3
number of hits
3000
2000
1000
0
200
600
800
1000
Δ Y (μm)



Entries 4.500682e+07
Mean -0.0054173
RMS 132.83
Underflow 2429
Overflow 2550
Integral 3.8985e+07
×10^3
number of hits
3000
2000
1000
0
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
Δ Y (μm)