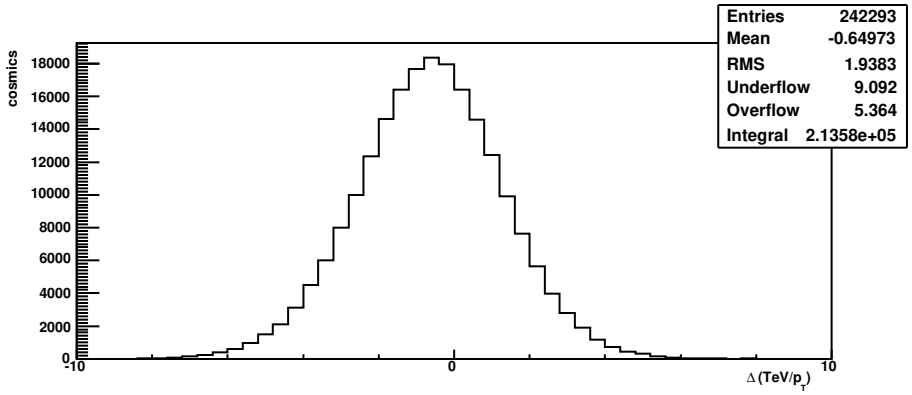
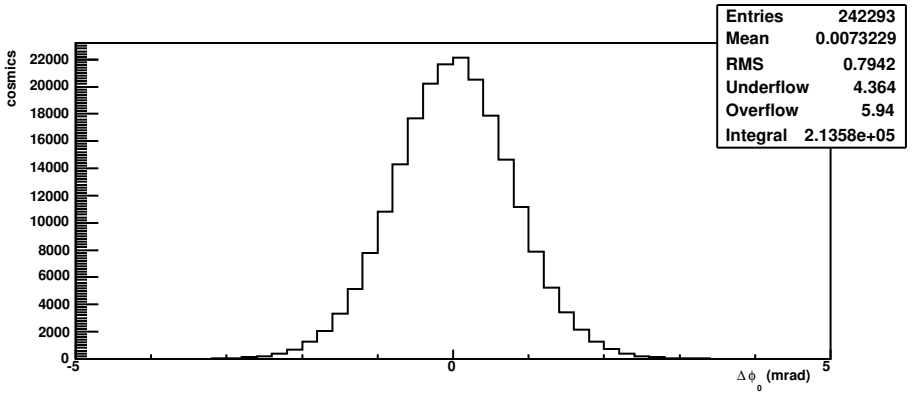
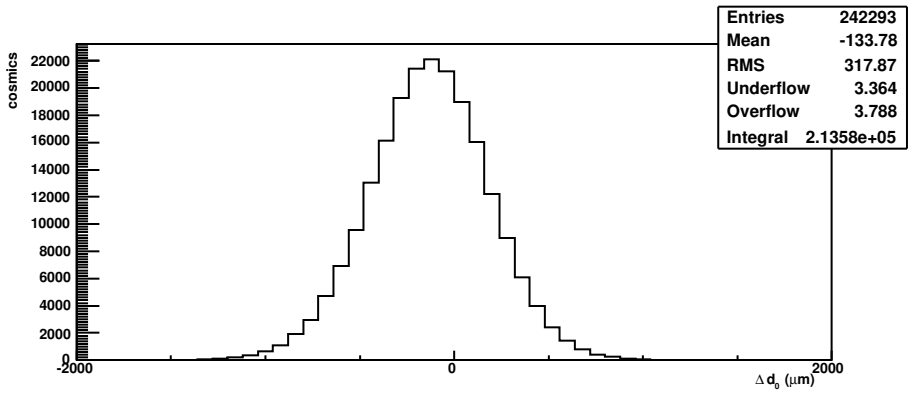
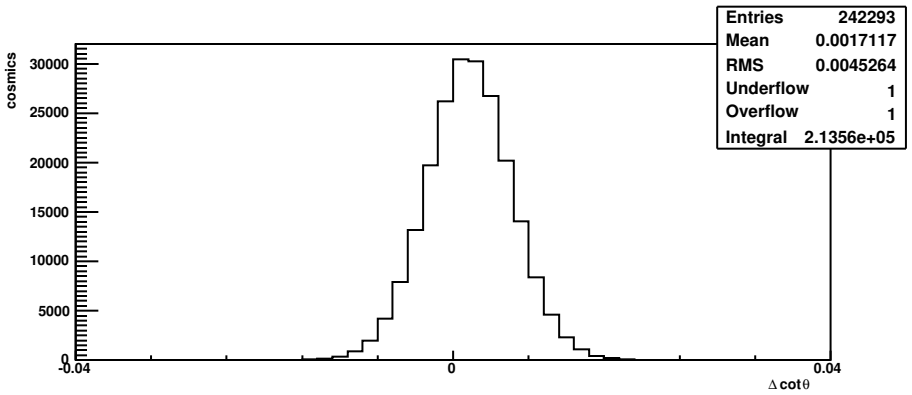
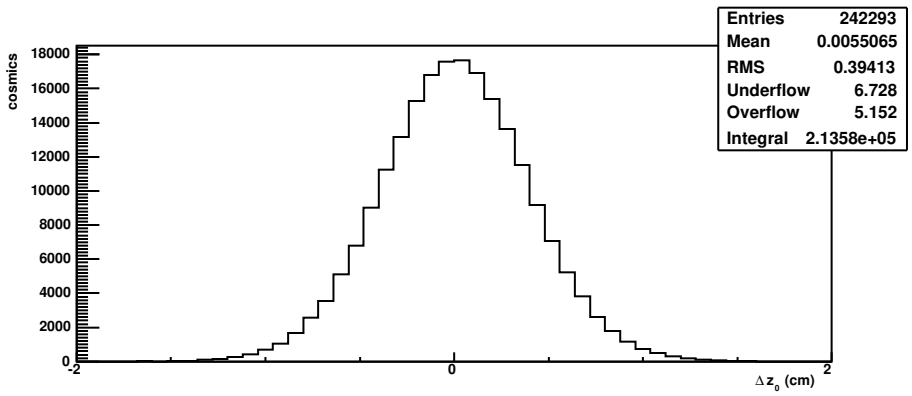
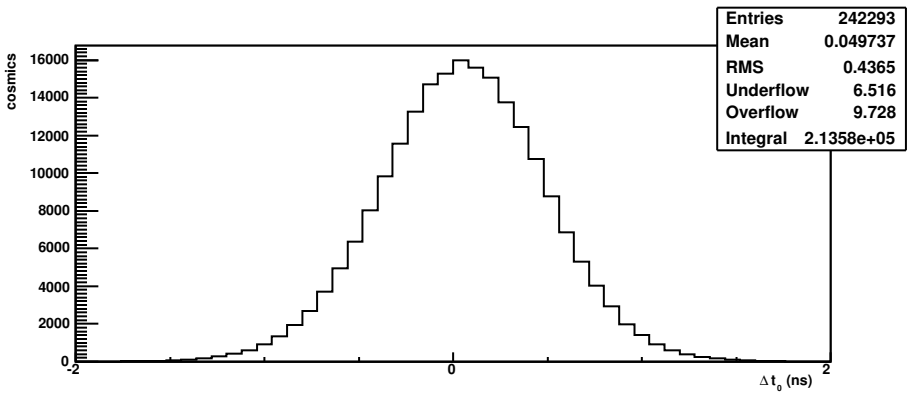

Entries 242293
Mean -0.64973
RMS 1.9383
Underflow 9.092
Overflow 5.364
Integral 2.1358e+05
cosmics
Δ(TeV/p_T)

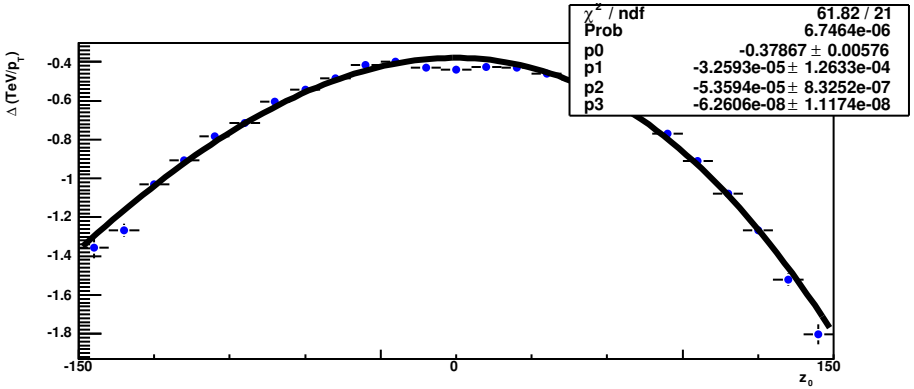

Entries 242293
Mean 0.0073229
RMS 0.7942
Underflow 4.364
Overflow 5.94
Integral 2.1358e+05
cosmics
Δφ_0 (mrad)

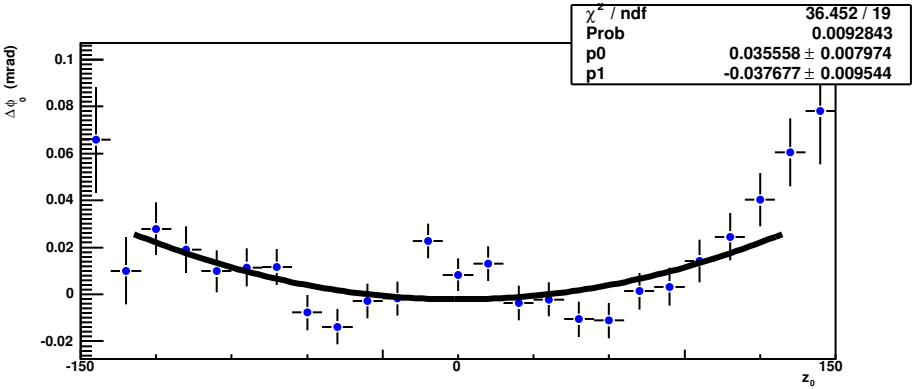

Entries 242293
Mean -133.78
RMS 317.87
Underflow 3.364
Overflow 3.788
Integral 2.1358e+05
cosmics
Δd_0 (μm)

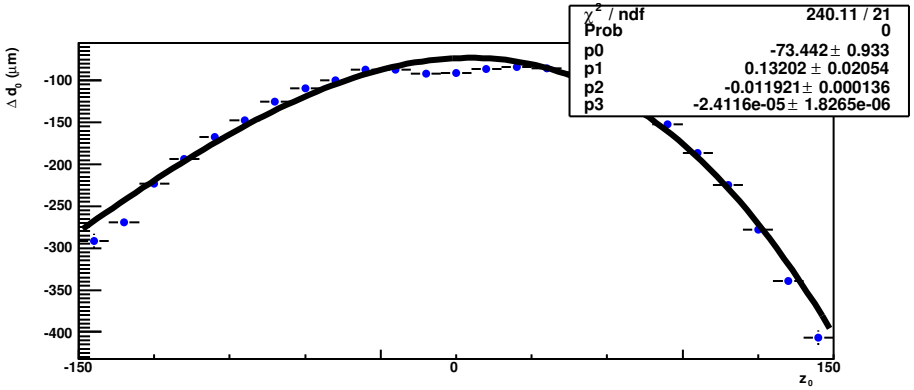

Entries 242293
Mean 0.0017117
RMS 0.0045264
Underflow 1
Overflow 1
Integral 2.1356e+05
cosmics
Δcotθ

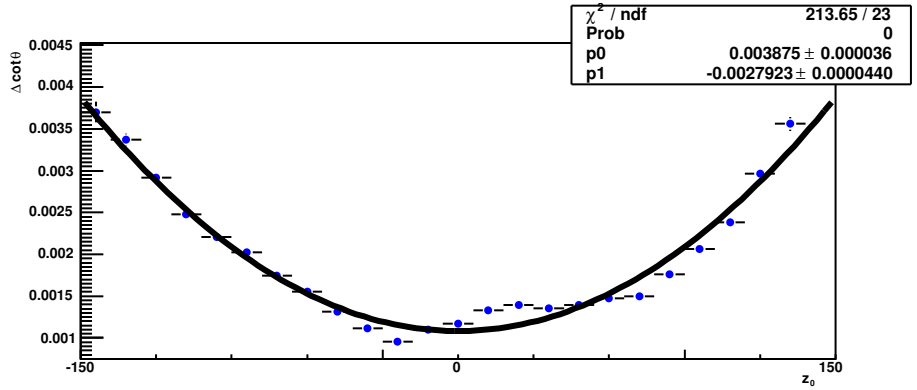

Entries 242293
Mean 0.0055065
RMS 0.39413
Underflow 6.728
Overflow 5.152
Integral 2.1358e+05
cosmics
Δz_0 (cm)

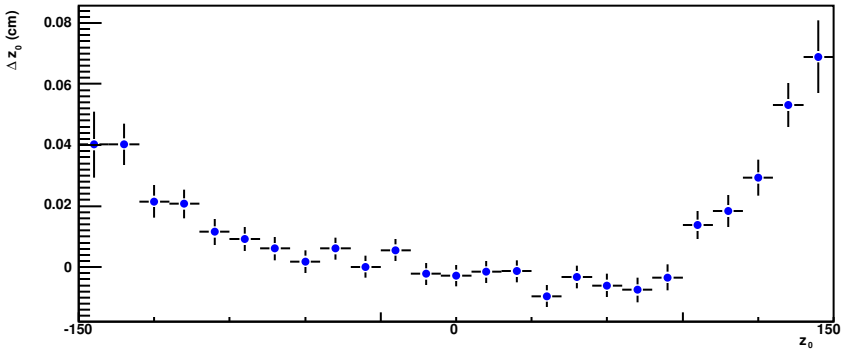

Entries 242293
Mean 0.049737
RMS 0.4365
Underflow 6.516
Overflow 9.728
Integral 2.1358e+05
cosmics
Δt_0 (ns)

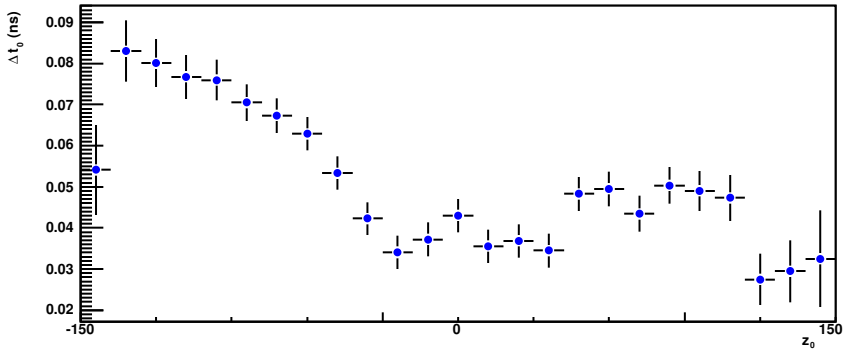

χ^2 / ndf 61.82 / 21
Prob 6.7464e-06
p0 -0.37867 ± 0.00576
p1 -3.2593e-05 ± 1.2633e-04
p2 -5.3594e-05 ± 8.3252e-07
p3 -6.2606e-08 ± 1.1174e-08
$\Delta(\mathrm{TeV}/p_T)$
z_0

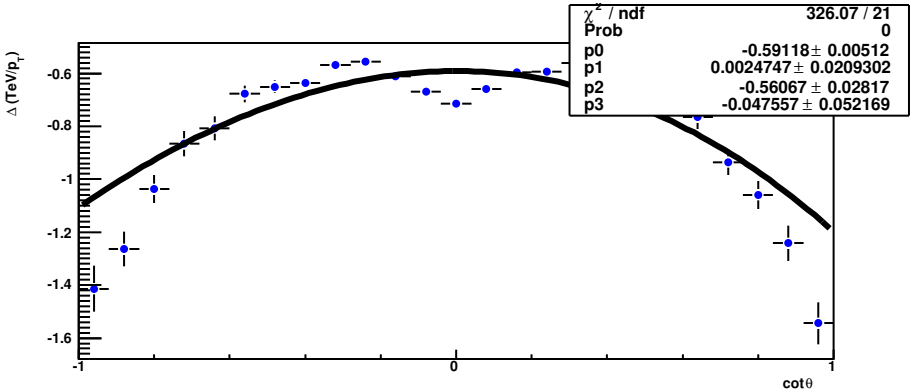

χ^2 / ndf 36.452 / 19
Prob 0.0092843
p0 0.035558 ± 0.007974
p1 -0.037677 ± 0.009544
$\Delta\phi_0$ (mrad)
z_0

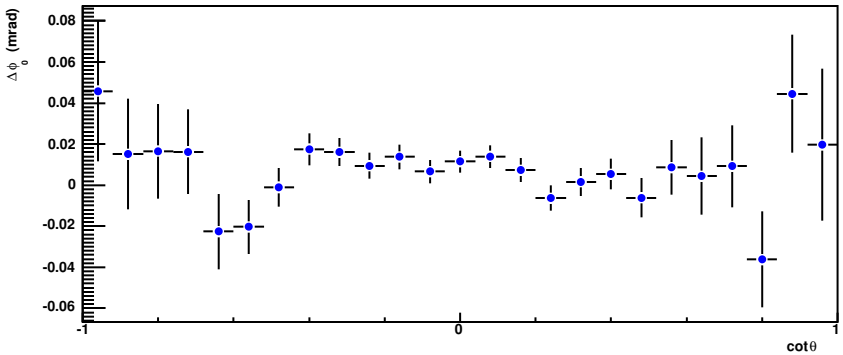

χ^2 / ndf 240.11 / 21
Prob 0
p0 -73.442 ± 0.933
p1 0.13202 ± 0.02054
p2 -0.011921 ± 0.000136
p3 -2.4116e-05 ± 1.8265e-06
Δd_0 (μm)
z_0

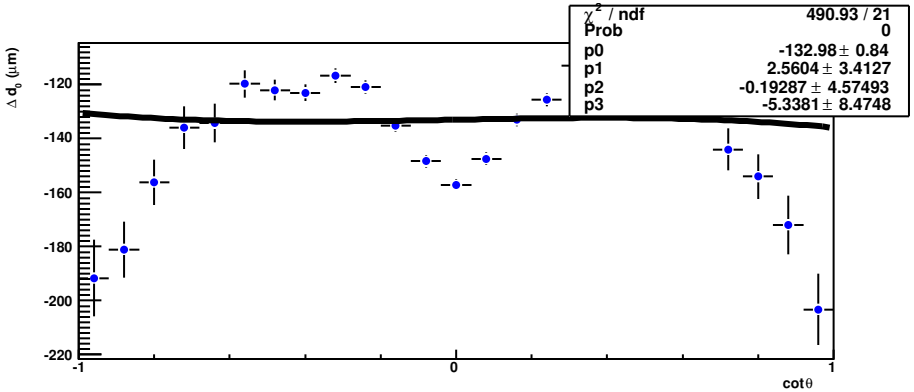

χ^2 / ndf 213.65 / 23
Prob 0
p0 0.003875 ± 0.000036
p1 -0.0027923 ± 0.0000440
$\Delta\cot\theta$
z_0

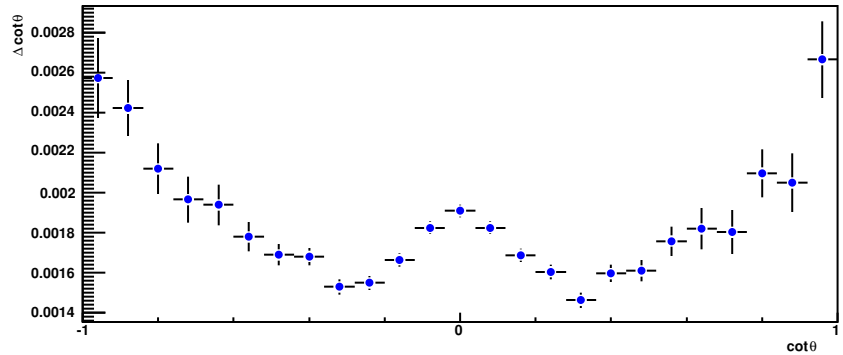

Δz_0 (cm)
z_0

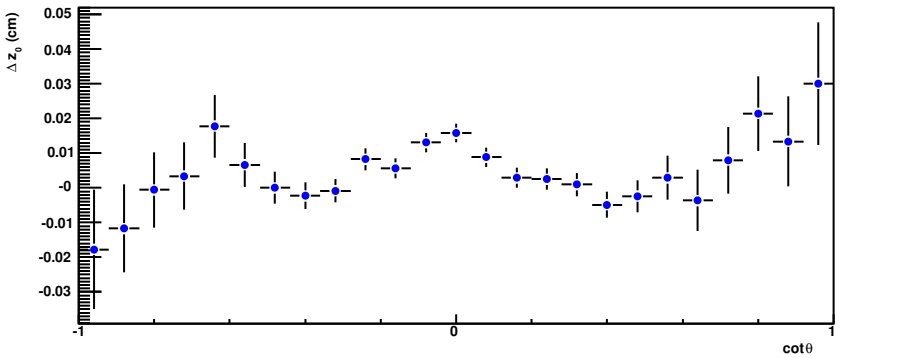

Δt_0 (ns)
z_0

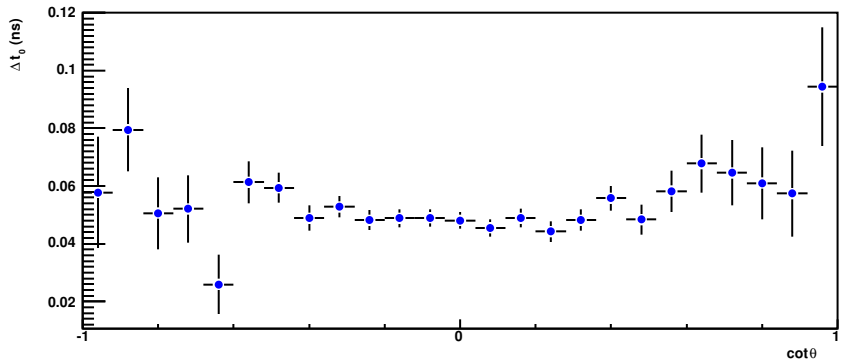

χ^2 / ndf 326.07 / 21
Prob 0
p0 -0.59118 ± 0.00512
p1 0.0024747 ± 0.0209302
p2 -0.56067 ± 0.02817
p3 -0.047557 ± 0.052169
Δ (TeV/p_T)
cotθ

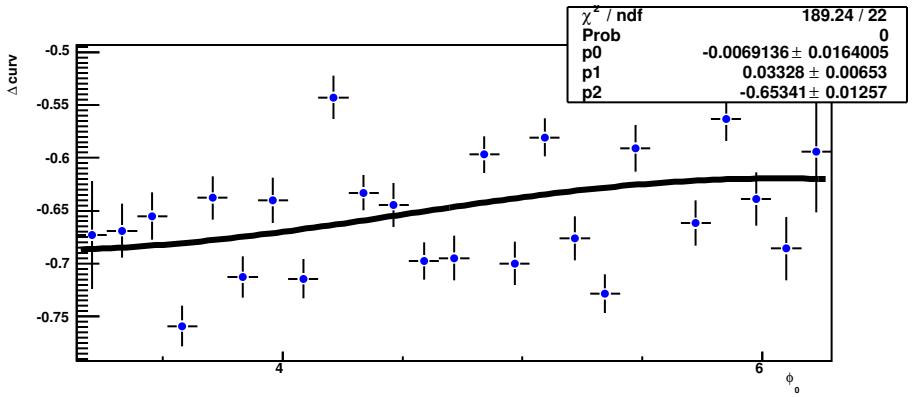

$\Delta\phi_0$ (mrad)
cotθ

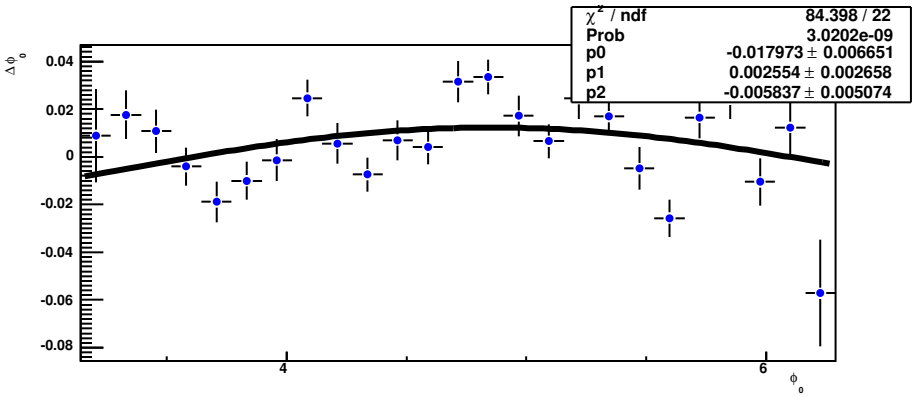

χ^2 / ndf 490.93 / 21
Prob 0
p0 -132.98 ± 0.84
p1 2.5604 ± 3.4127
p2 -0.19287 ± 4.57493
p3 -5.3381 ± 8.4748
Δd_0 (μm)
cotθ

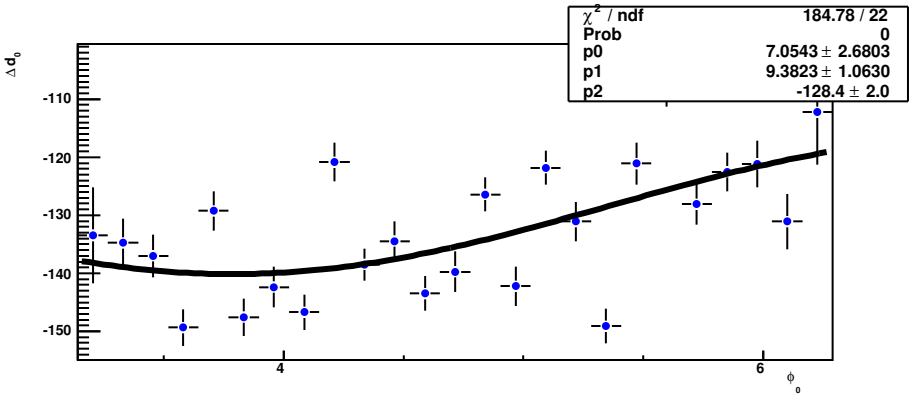

Δcotθ
cotθ

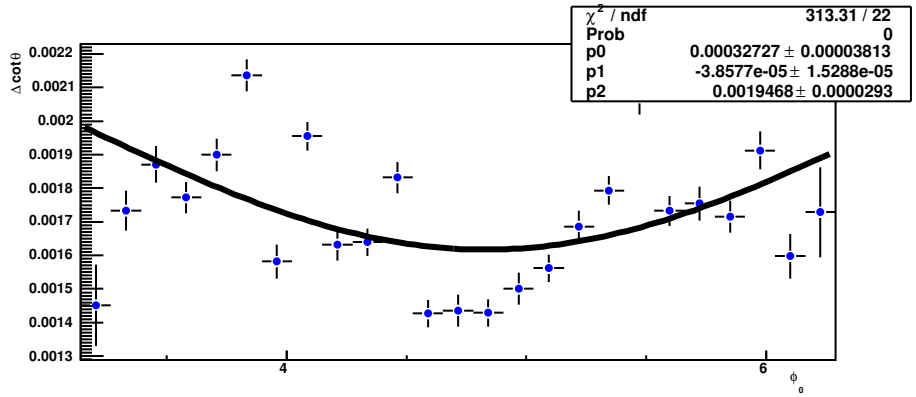

Δz_0 (cm)
cotθ

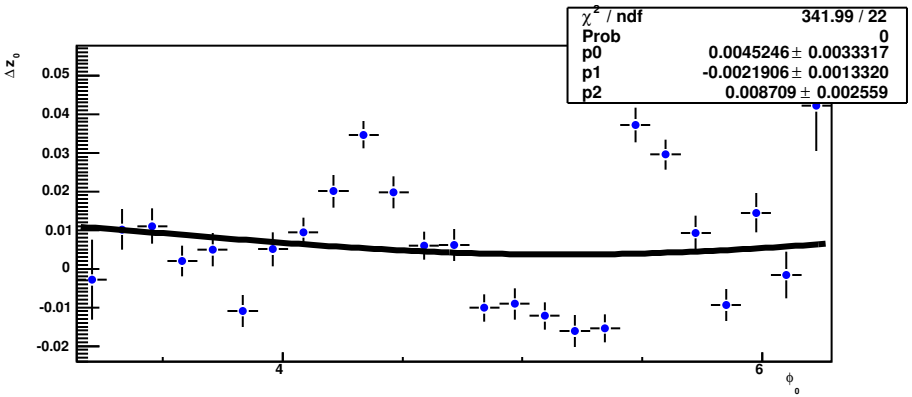

Δt_0 (ns)
cotθ

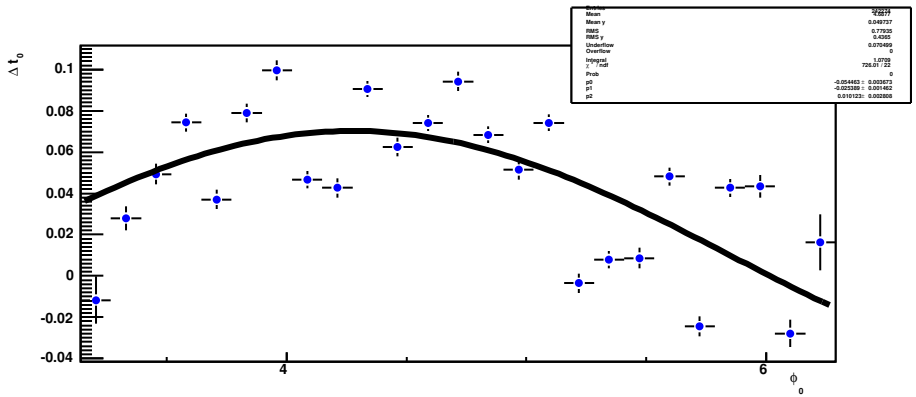

χ^2 / ndf 189.24 / 22
Prob 0
p0 -0.0069136 ± 0.0164005
p1 0.03328 ± 0.00653
p2 -0.65341 ± 0.01257
Δ curv
ϕ_0

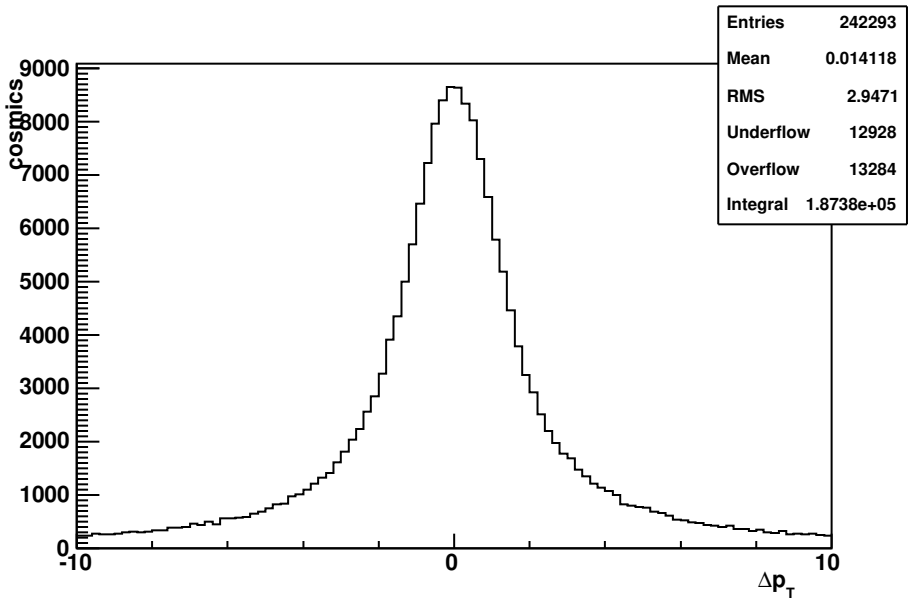

χ^2 / ndf 84.398 / 22
Prob 3.0202e-09
p0 -0.017973 ± 0.006651
p1 0.002554 ± 0.002658
p2 -0.005837 ± 0.005074
$\Delta\phi_0$
ϕ_0

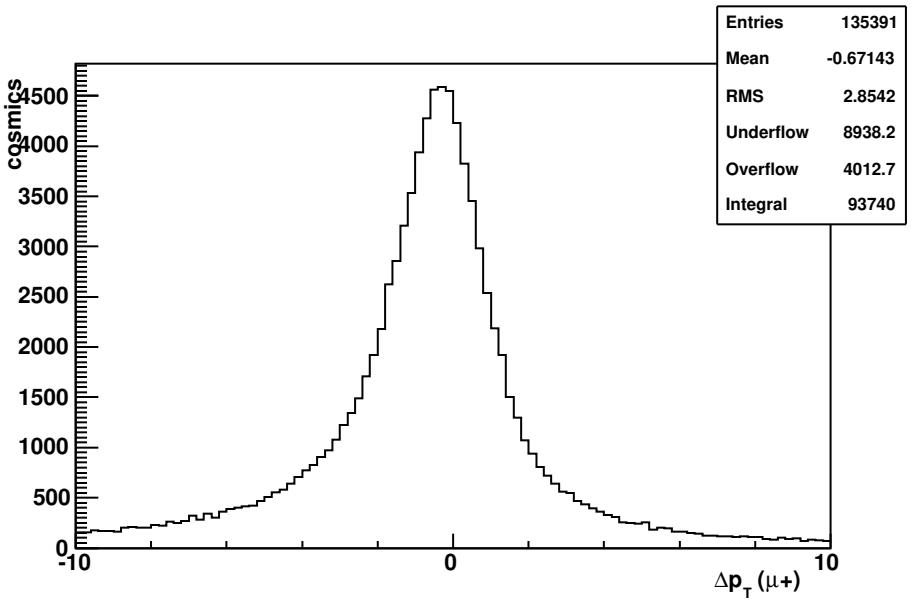

χ^2 / ndf 184.78 / 22
Prob 0
p0 7.0543 ± 2.6803
p1 9.3823 ± 1.0630
p2 -128.4 ± 2.0
Δd_0
ϕ_0

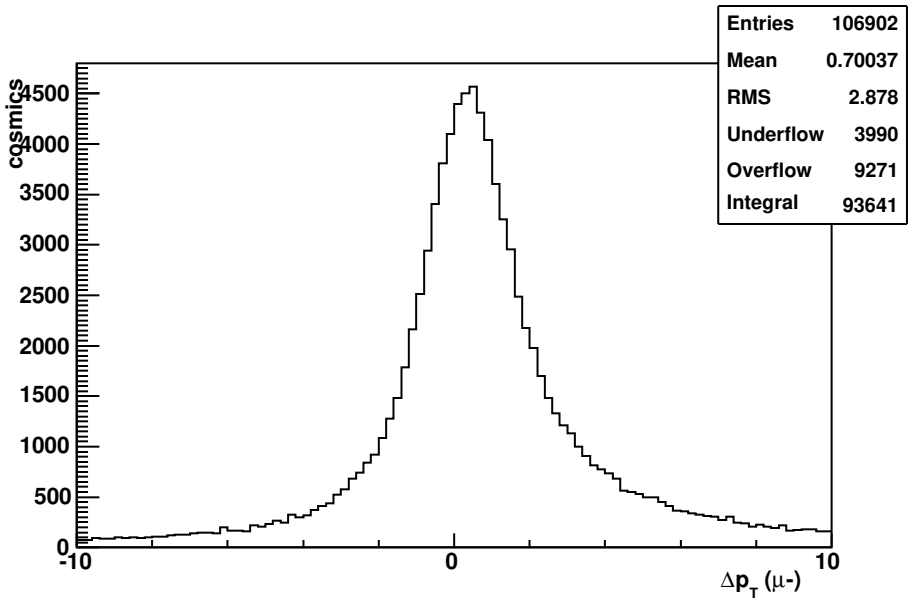

χ^2 / ndf 313.31 / 22
Prob 0
p0 0.00032727 ± 0.00003813
p1 -3.8577e-05 ± 1.5288e-05
p2 0.0019468 ± 0.0000293
$\Delta\cot\theta$
ϕ_0

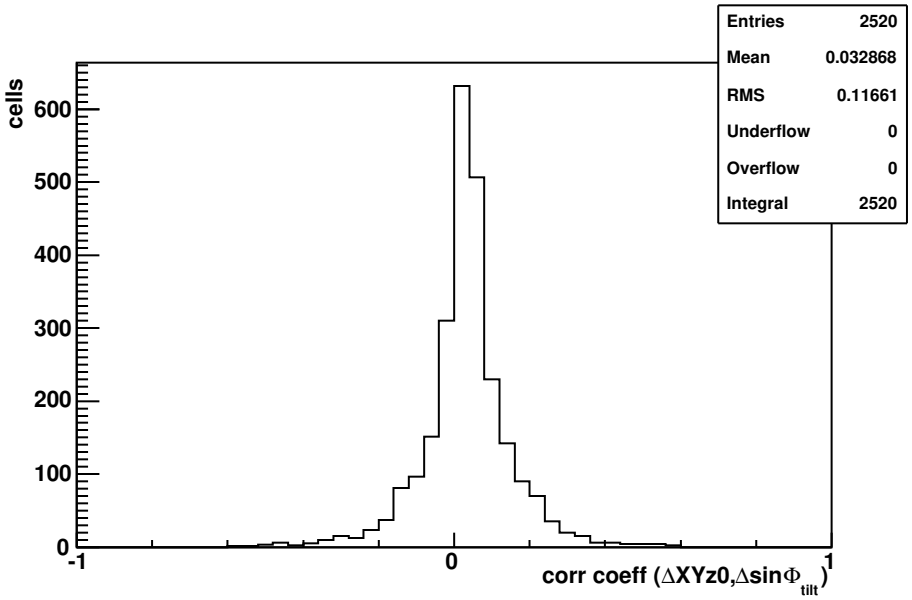

χ^2 / ndf 341.99 / 22
Prob 0
p0 0.0045246 ± 0.0033317
p1 -0.0021906 ± 0.0013320
p2 0.008709 ± 0.002559
Δz_0
ϕ_0

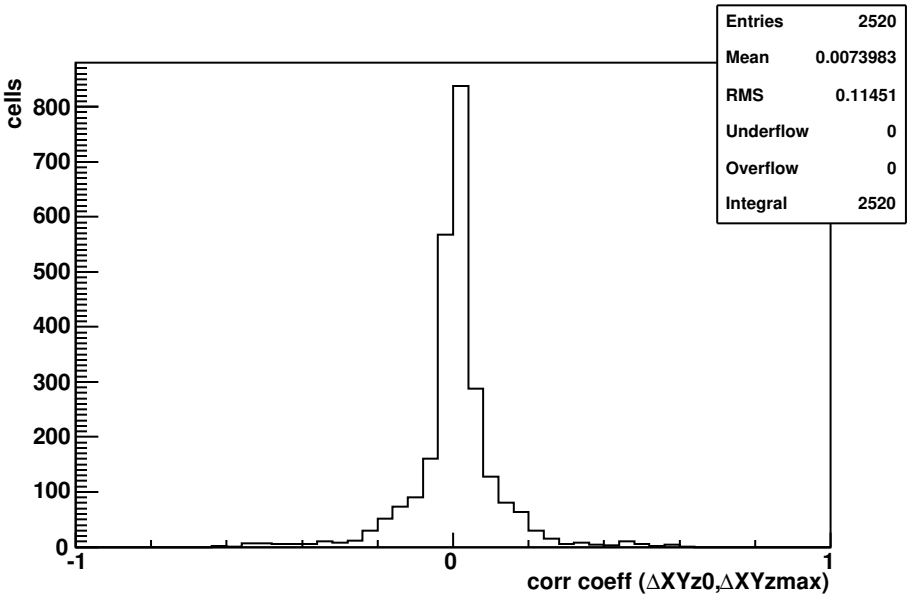

Δt_0
ϕ_0

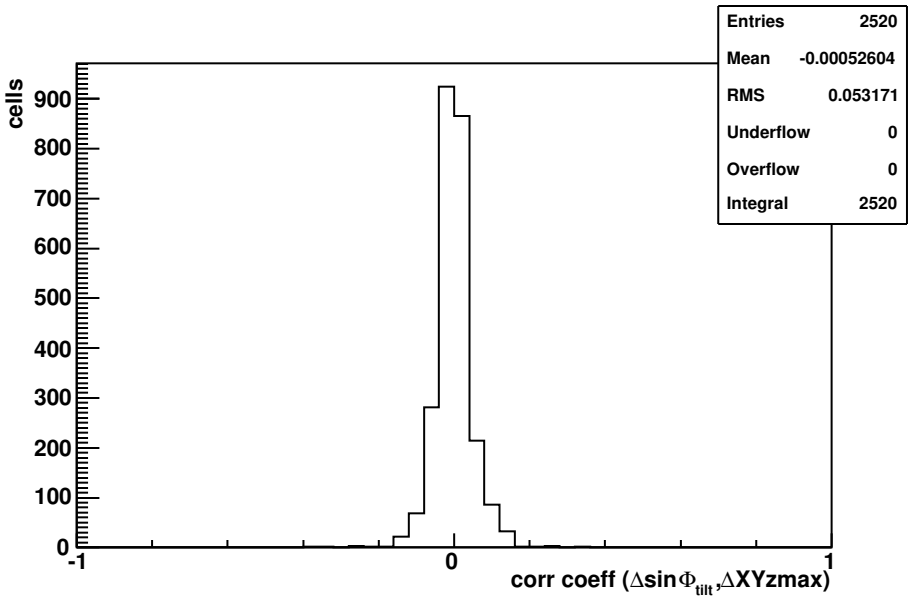

Entries 242293
Mean 0.014118
RMS 2.9471
Underflow 12928
Overflow 13284
Integral 1.8738e+05
cosmics
Δp_T

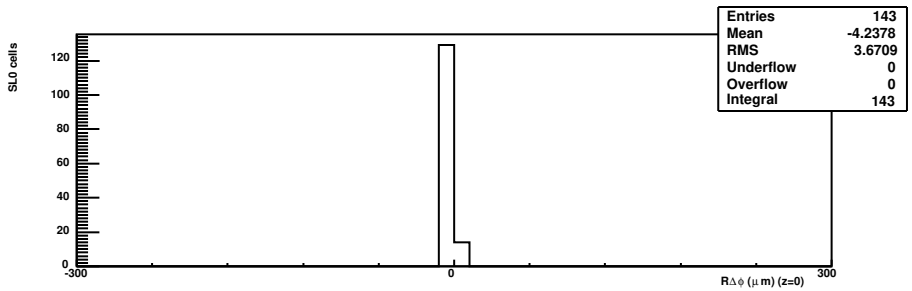

Entries 135391
Mean -0.67143
RMS 2.8542
Underflow 8938.2
Overflow 4012.7
Integral 93740
cosmics
Δp_T (μ+)

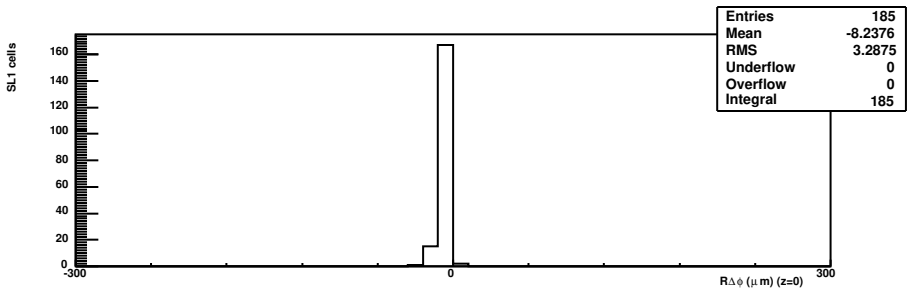

Entries 106902
Mean 0.70037
RMS 2.878
Underflow 3990
Overflow 9271
Integral 93641
cosmics
Δp_T (μ-)

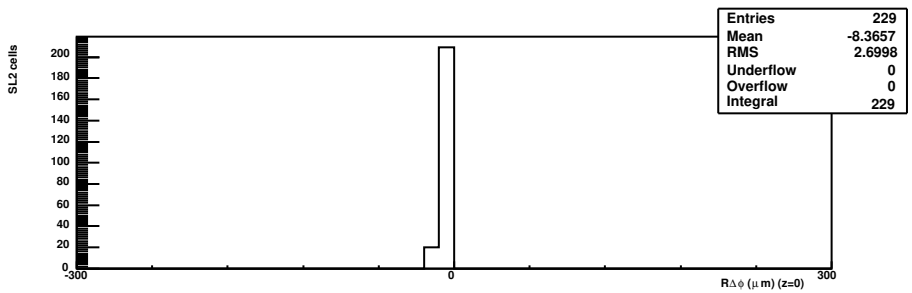

Entries 2520
Mean 0.032868
RMS 0.11661
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔXYz0,ΔsinΦ_{tilt})

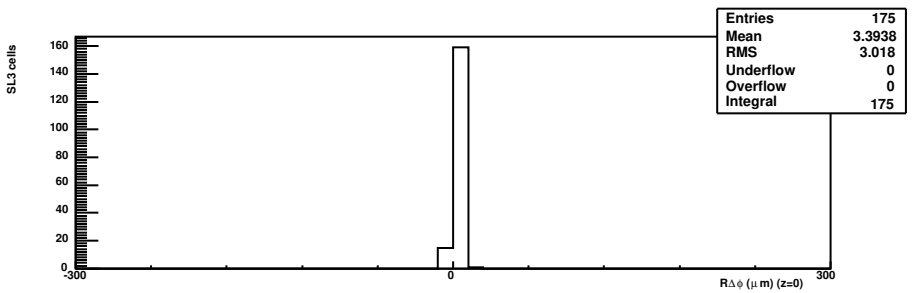

Entries 2520
Mean 0.0073983
RMS 0.11451
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔXYz0,ΔXYzmax)

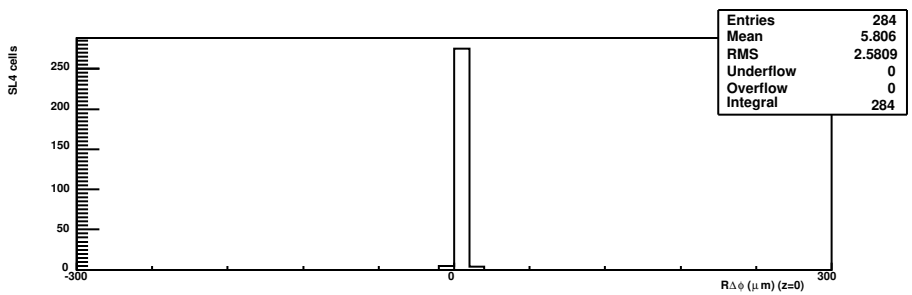

Entries 2520
Mean -0.00052604
RMS 0.053171
Underflow 0
Overflow 0
Integral 2520
cells
corr coeff (ΔsinΦ_{tilt},ΔXYzmax)

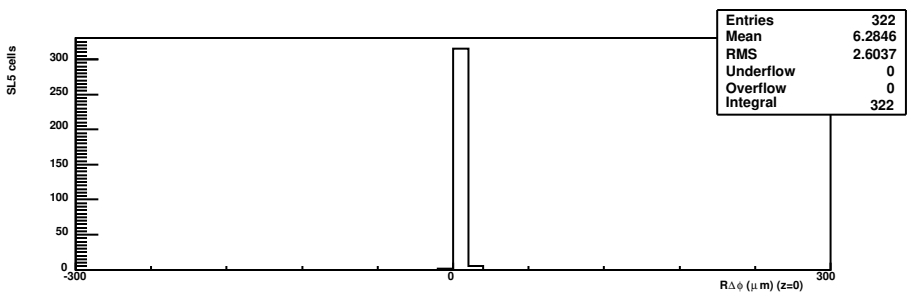

SL0 cells
Entries 143
Mean -4.2378
RMS 3.6709
Underflow 0
Overflow 0
Integral 143
0 20 40 60 80 100 120
-300 0 300
RΔϕ (μm) (z=0)

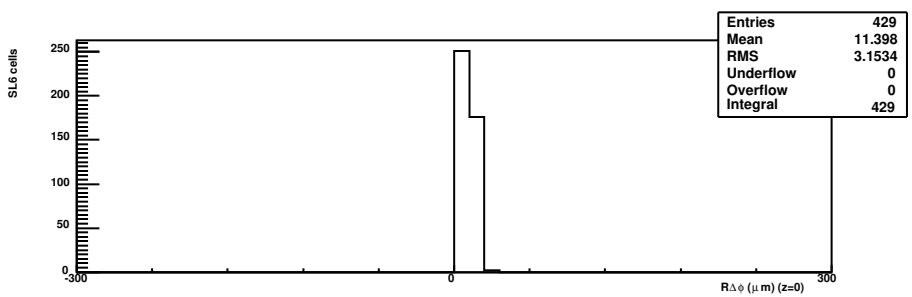

SL1 cells
Entries 185
Mean -8.2376
RMS 3.2875
Underflow 0
Overflow 0
Integral 185
0 20 40 60 80 100 120 140 160
-300 0 300
RΔϕ (μm) (z=0)

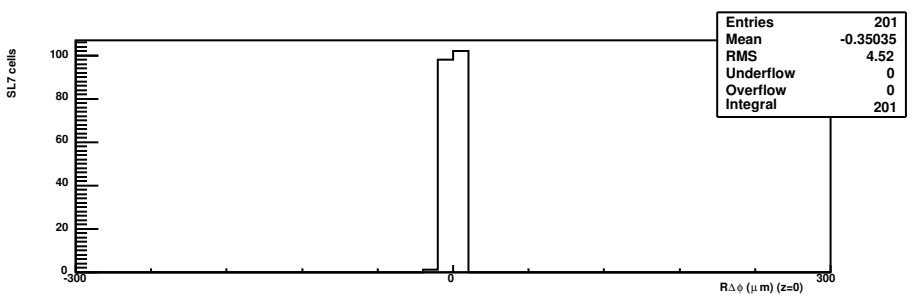

SL2 cells
Entries 229
Mean -8.3657
RMS 2.6998
Underflow 0
Overflow 0
Integral 229
0 20 40 60 80 100 120 140 160 180 200
-300 0 300
RΔϕ (μm) (z=0)

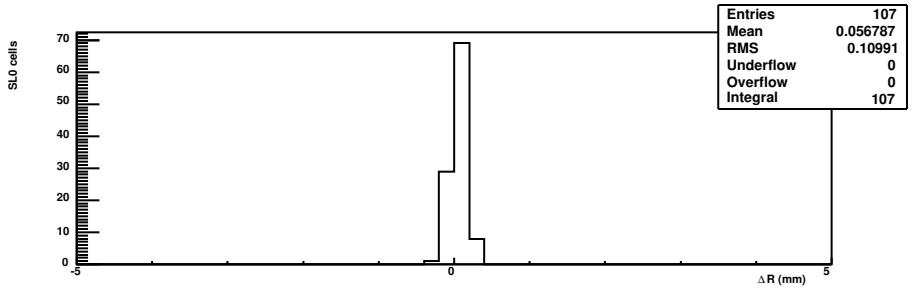

SL3 cells
Entries 175
Mean 3.3938
RMS 3.018
Underflow 0
Overflow 0
Integral 175
0 20 40 60 80 100 120 140 160
-300 0 300
RΔϕ (μm) (z=0)

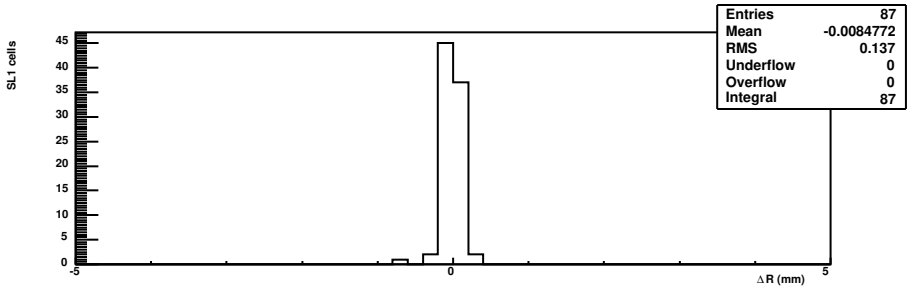

SL4 cells
Entries 284
Mean 5.806
RMS 2.5809
Underflow 0
Overflow 0
Integral 284
0 50 100 150 200 250
-300 0 300
RΔϕ (μm) (z=0)

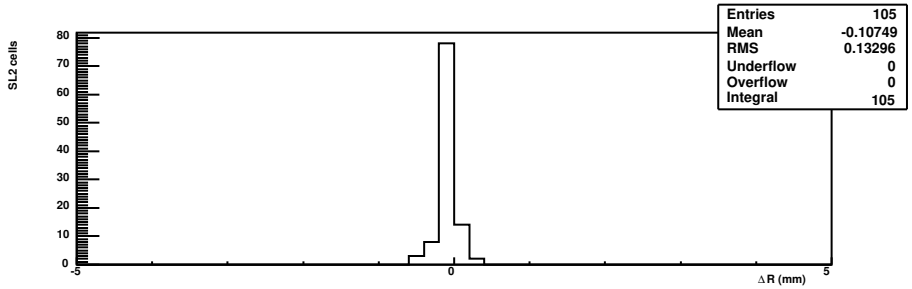

SL5 cells
Entries 322
Mean 6.2846
RMS 2.6037
Underflow 0
Overflow 0
Integral 322
0 50 100 150 200 250 300
-300 0 300
RΔϕ (μm) (z=0)

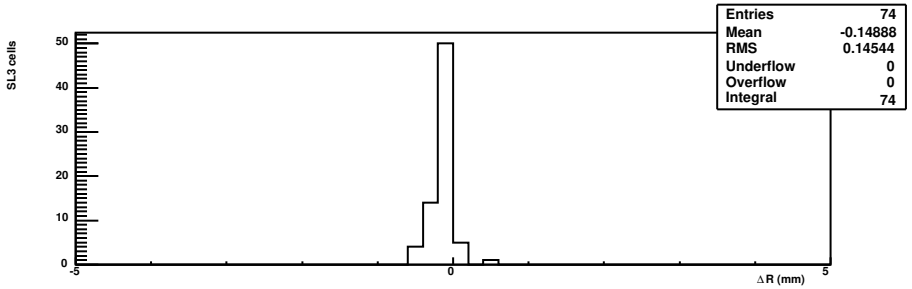

SL6 cells
Entries 429
Mean 11.398
RMS 3.1534
Underflow 0
Overflow 0
Integral 429
0 50 100 150 200 250
-300 0 300
RΔϕ (μm) (z=0)

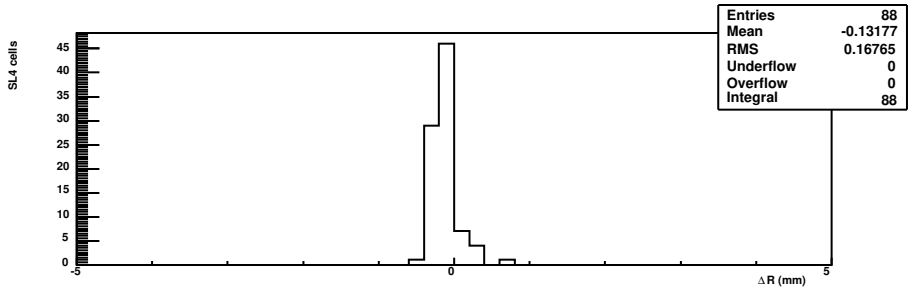

SL7 cells
Entries 201
Mean -0.35035
RMS 4.52
Underflow 0
Overflow 0
Integral 201
0 20 40 60 80 100
-300 0 300
RΔϕ (μm) (z=0)

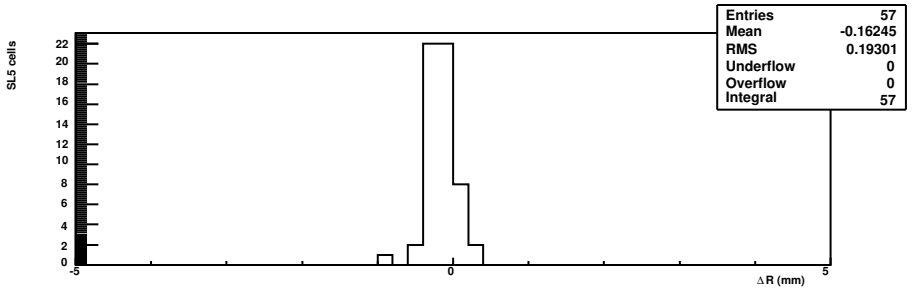

SL0 cells
Entries 107
Mean 0.056787
RMS 0.10991
Underflow 0
Overflow 0
Integral 107
ΔR (mm)

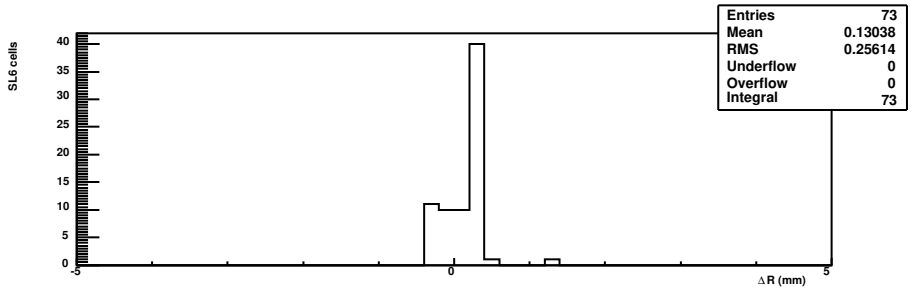

SL1 cells
Entries 87
Mean -0.0084772
RMS 0.137
Underflow 0
Overflow 0
Integral 87
ΔR (mm)

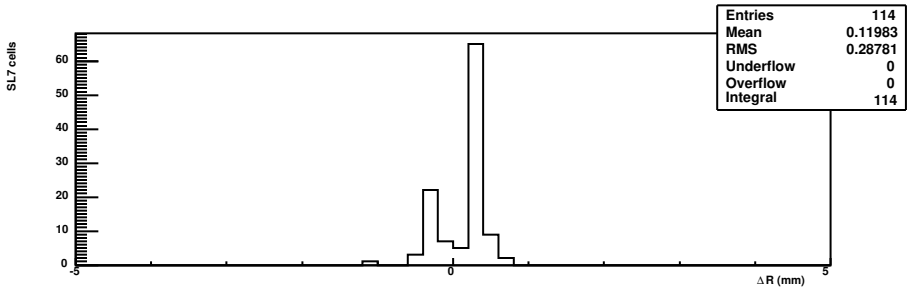

SL2 cells
Entries 105
Mean -0.10749
RMS 0.13296
Underflow 0
Overflow 0
Integral 105
ΔR (mm)

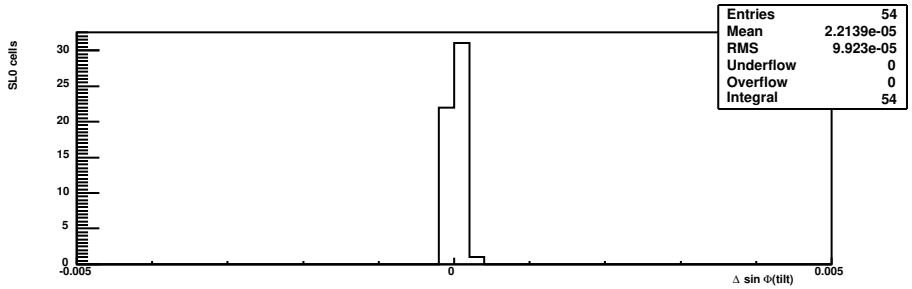

SL3 cells
Entries 74
Mean -0.14888
RMS 0.14544
Underflow 0
Overflow 0
Integral 74
ΔR (mm)

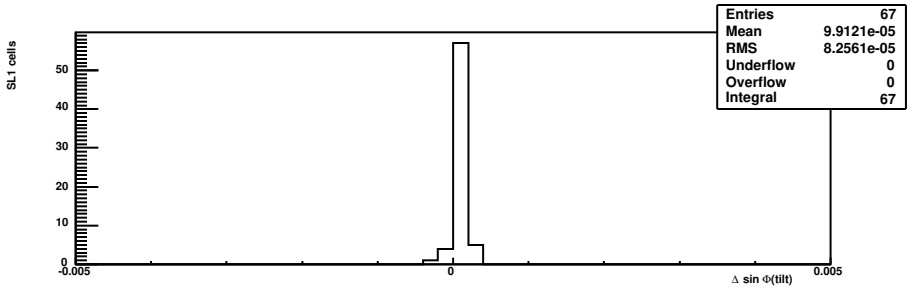

SL4 cells
Entries 88
Mean -0.13177
RMS 0.16765
Underflow 0
Overflow 0
Integral 88
ΔR (mm)

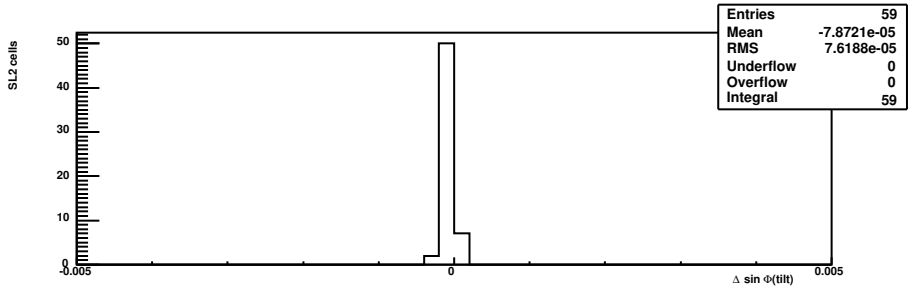

SL5 cells
Entries 57
Mean -0.16245
RMS 0.19301
Underflow 0
Overflow 0
Integral 57
ΔR (mm)

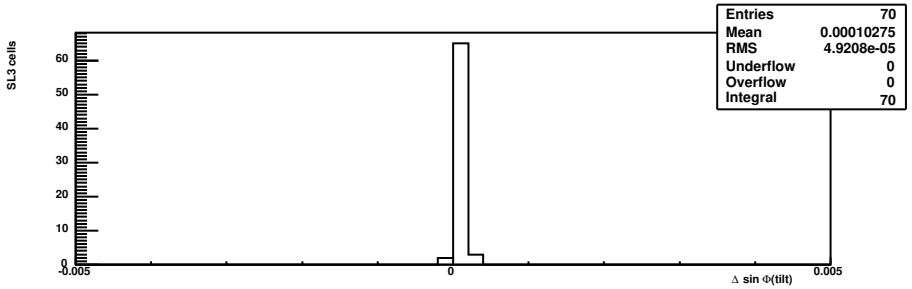

SL6 cells
Entries 73
Mean 0.13038
RMS 0.25614
Underflow 0
Overflow 0
Integral 73
ΔR (mm)

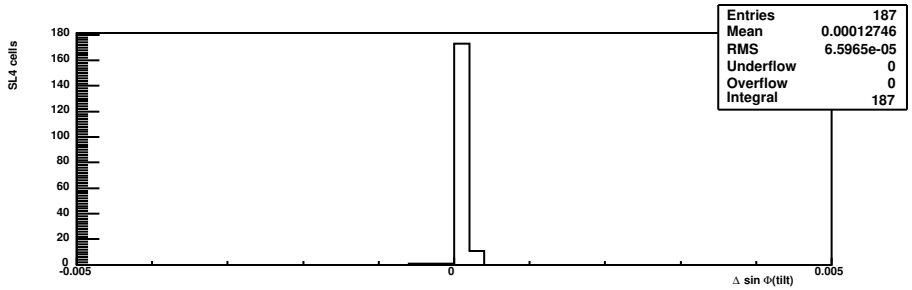

SL7 cells
Entries 114
Mean 0.11983
RMS 0.28781
Underflow 0
Overflow 0
Integral 114
ΔR (mm)

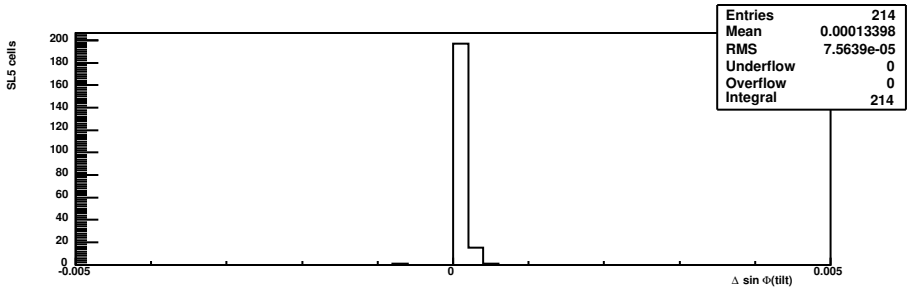

SL0 cells
Entries 54
Mean 2.2139e-05
RMS 9.923e-05
Underflow 0
Overflow 0
Integral 54
Δ sin Φ(tilt)

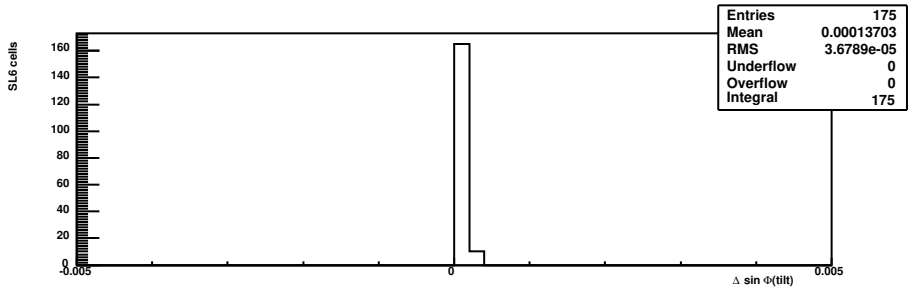

SL1 cells
Entries 67
Mean 9.9121e-05
RMS 8.2561e-05
Underflow 0
Overflow 0
Integral 67
Δ sin Φ(tilt)

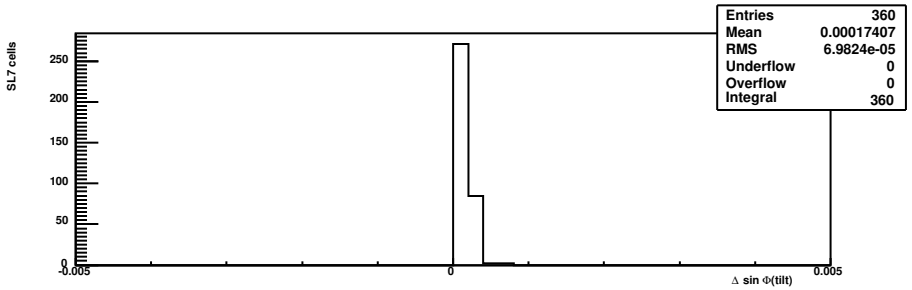

SL2 cells
Entries 59
Mean -7.8721e-05
RMS 7.6188e-05
Underflow 0
Overflow 0
Integral 59
Δ sin Φ(tilt)

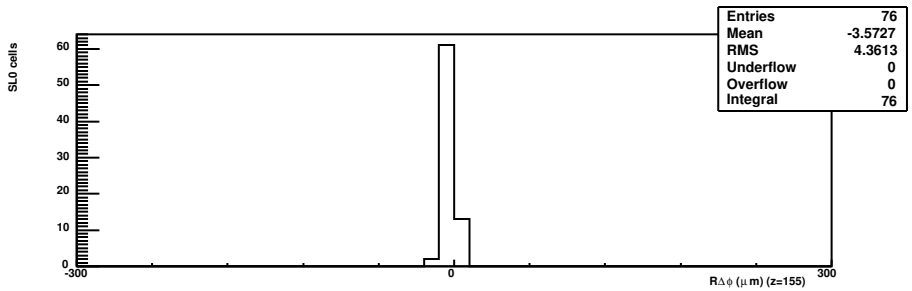

SL3 cells
Entries 70
Mean 0.00010275
RMS 4.9208e-05
Underflow 0
Overflow 0
Integral 70
Δ sin Φ(tilt)

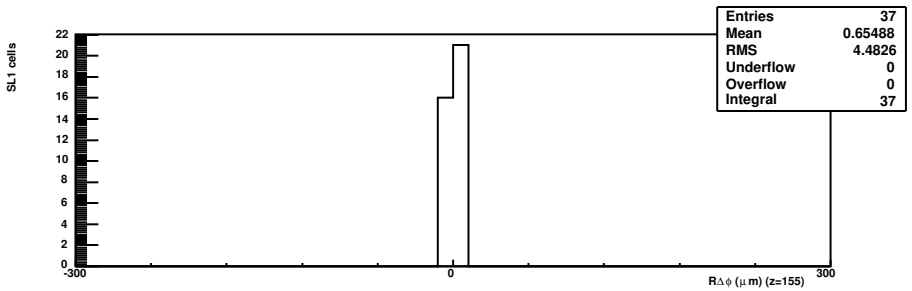

SL4 cells
Entries 187
Mean 0.00012746
RMS 6.5965e-05
Underflow 0
Overflow 0
Integral 187
Δ sin Φ(tilt)

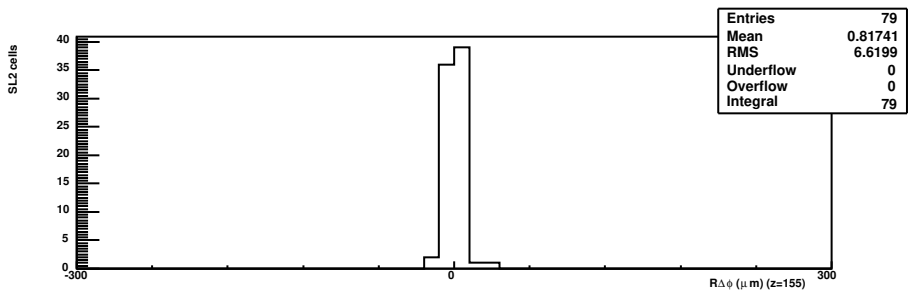

SL5 cells
Entries 214
Mean 0.00013398
RMS 7.5639e-05
Underflow 0
Overflow 0
Integral 214
Δ sin Φ(tilt)

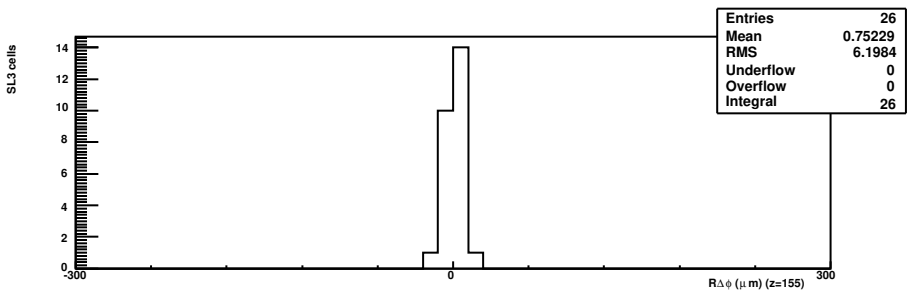

SL6 cells
Entries 175
Mean 0.00013703
RMS 3.6789e-05
Underflow 0
Overflow 0
Integral 175
Δ sin Φ(tilt)

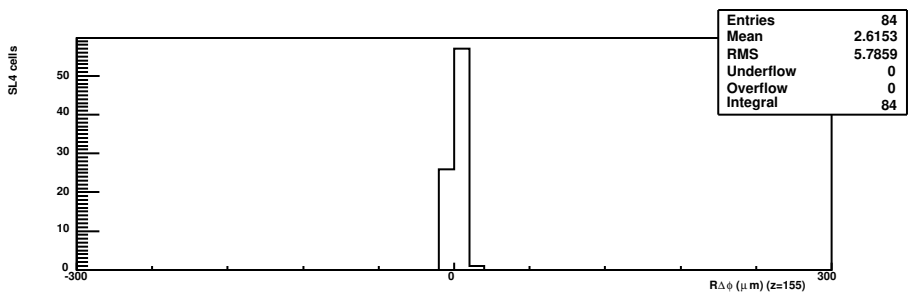

SL7 cells
Entries 360
Mean 0.00017407
RMS 6.9824e-05
Underflow 0
Overflow 0
Integral 360
Δ sin Φ(tilt)

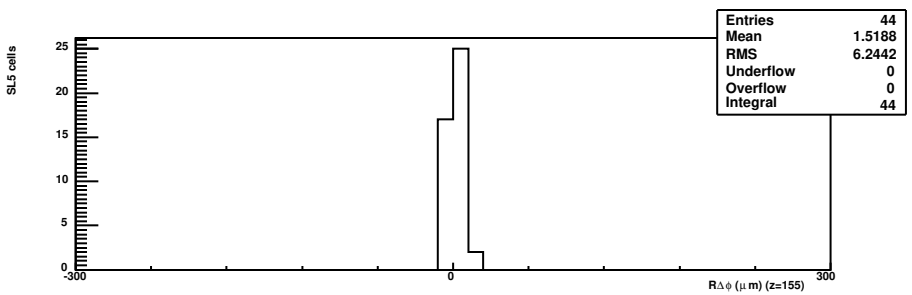

Entries 76
Mean -3.5727
RMS 4.3613
Underflow 0
Overflow 0
Integral 76
SL0 cells
RΔφ (μm) (z=155)

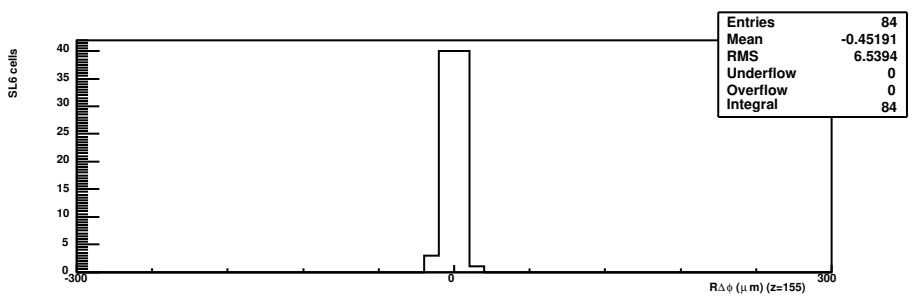

Entries 37
Mean 0.65488
RMS 4.4826
Underflow 0
Overflow 0
Integral 37
SL1 cells
RΔφ (μm) (z=155)

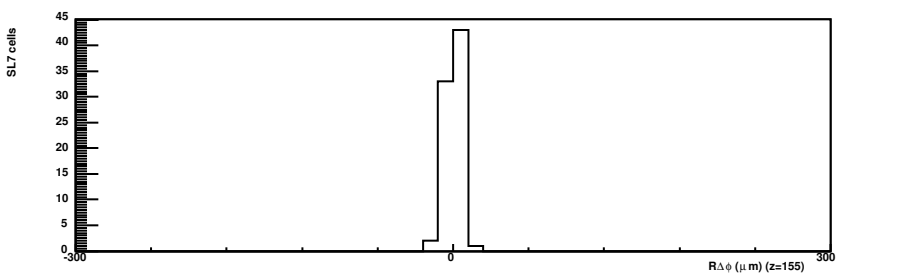

Entries 79
Mean 0.81741
RMS 6.6199
Underflow 0
Overflow 0
Integral 79
SL2 cells
RΔφ (μm) (z=155)

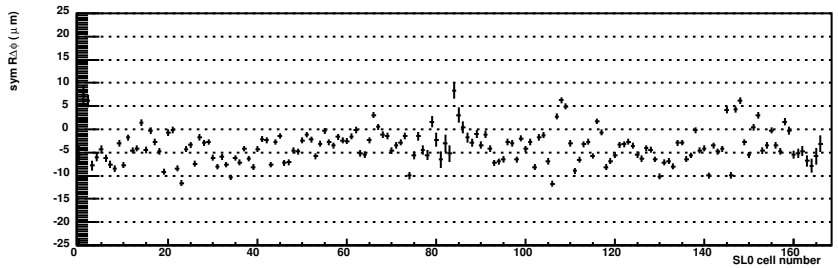

Entries 26
Mean 0.75229
RMS 6.1984
Underflow 0
Overflow 0
Integral 26
SL3 cells
RΔφ (μm) (z=155)

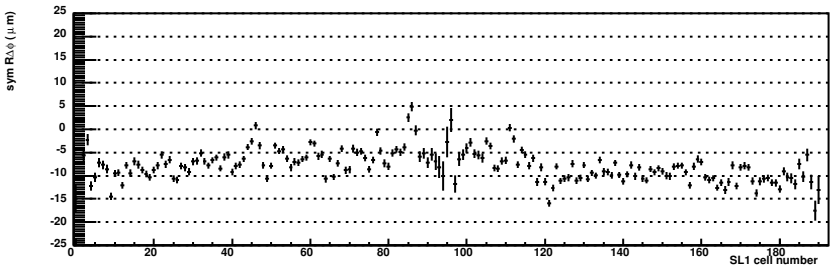

Entries 84
Mean 2.6153
RMS 5.7859
Underflow 0
Overflow 0
Integral 84
SL4 cells
RΔφ (μm) (z=155)

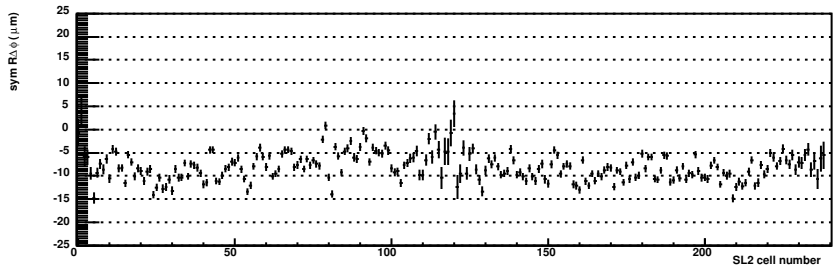

Entries 44
Mean 1.5188
RMS 6.2442
Underflow 0
Overflow 0
Integral 44
SL5 cells
RΔφ (μm) (z=155)

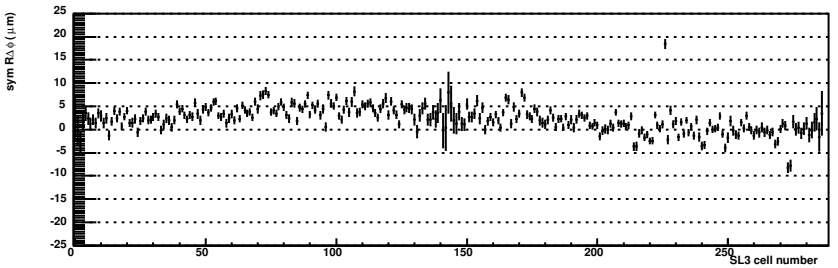

Entries 84
Mean -0.45191
RMS 6.5394
Underflow 0
Overflow 0
Integral 84
SL6 cells
RΔφ (μm) (z=155)

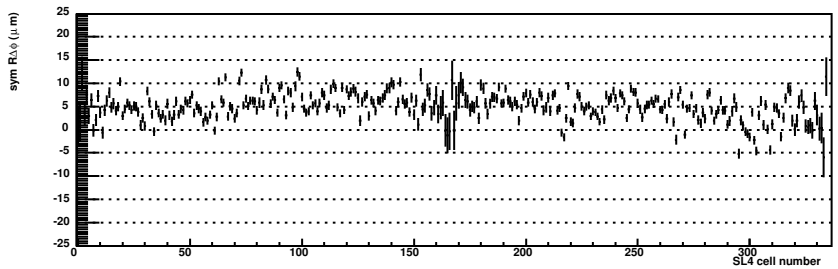

SL7 cells
RΔφ (μm) (z=155)

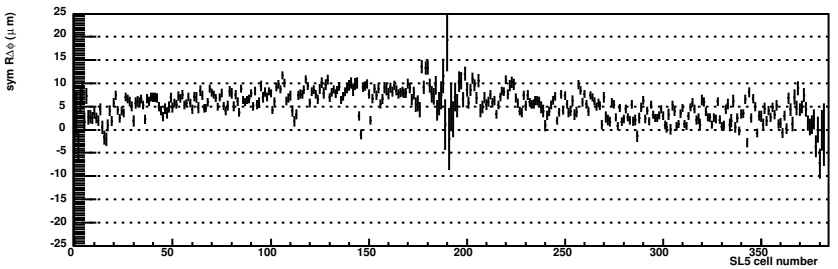

sym RΔφ (μm)
SL0 cell number

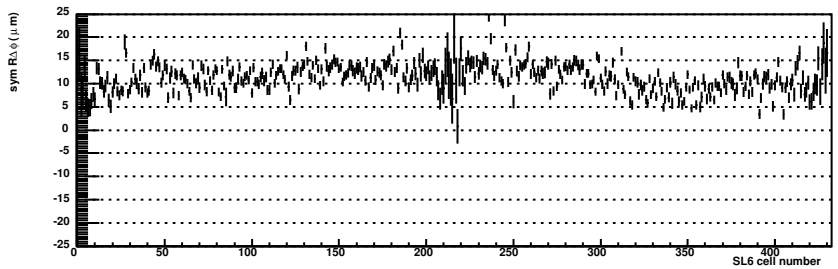

sym RΔφ (μm)
SL1 cell number

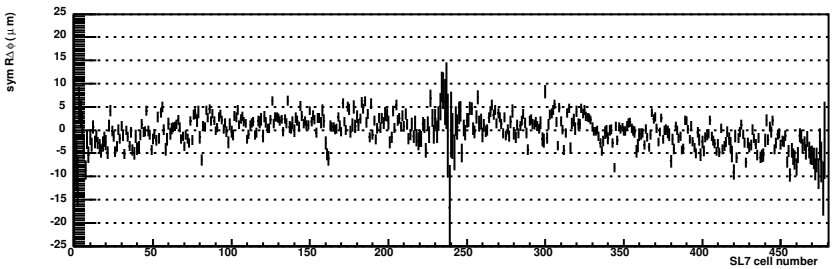

sym RΔφ (μm)
SL2 cell number

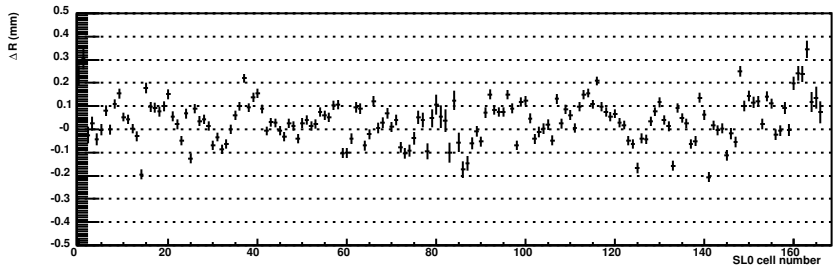

sym RΔφ (μm)
SL3 cell number

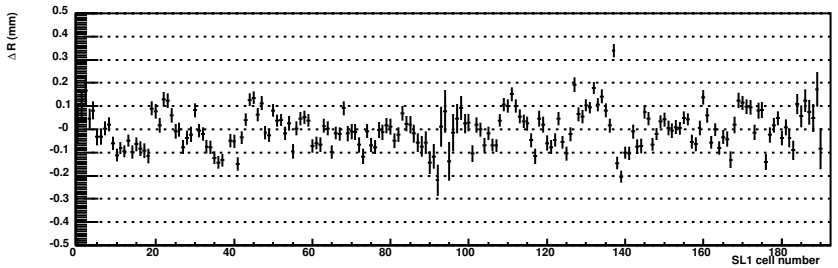

sym RΔφ (μm)
SL4 cell number

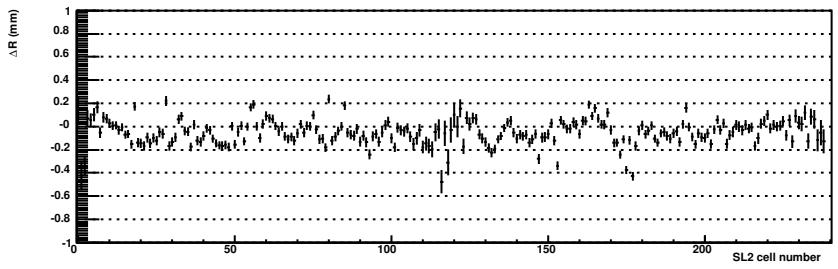

sym RΔφ (μm)
SL5 cell number

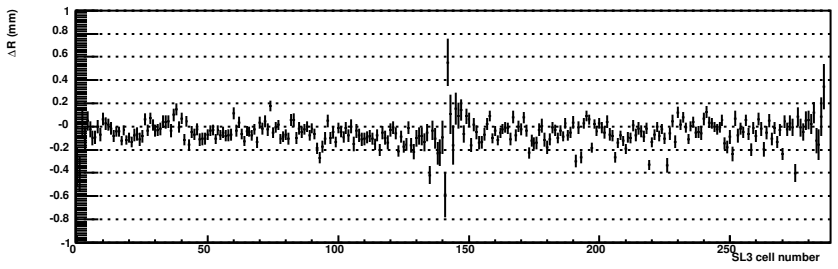

sym RΔφ (μm)
SL6 cell number

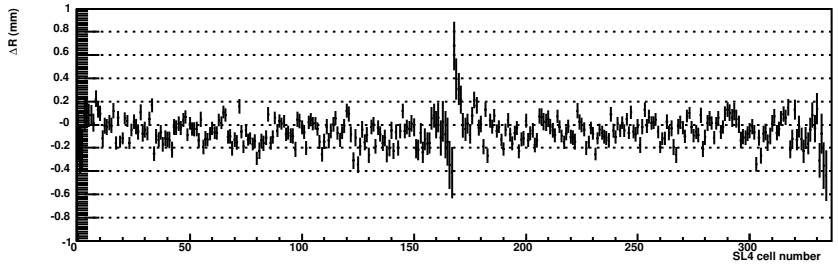

sym RΔφ (μm)
SL7 cell number

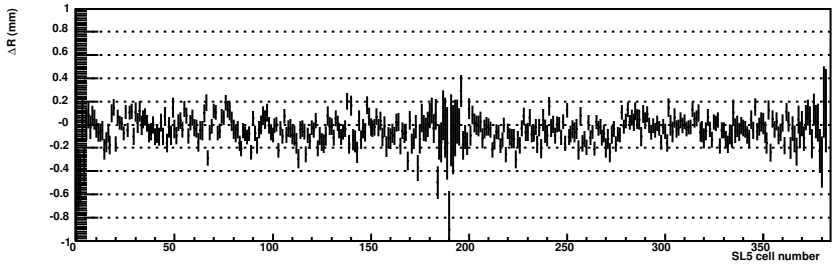

ΔR (mm)
SL0 cell number

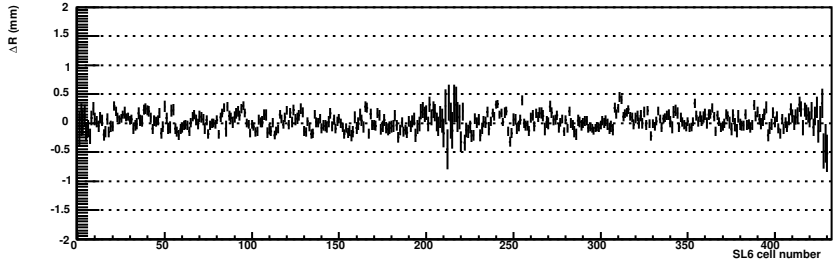

ΔR (mm)
SL1 cell number

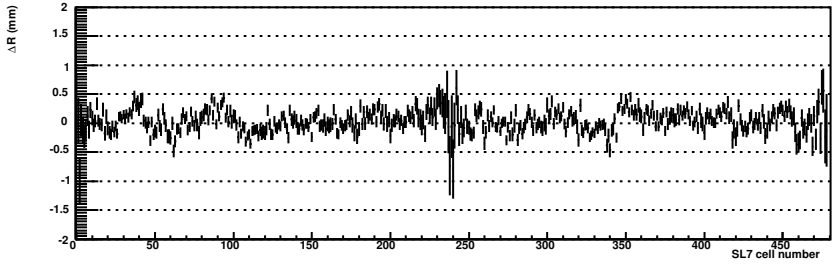

ΔR (mm)
SL2 cell number

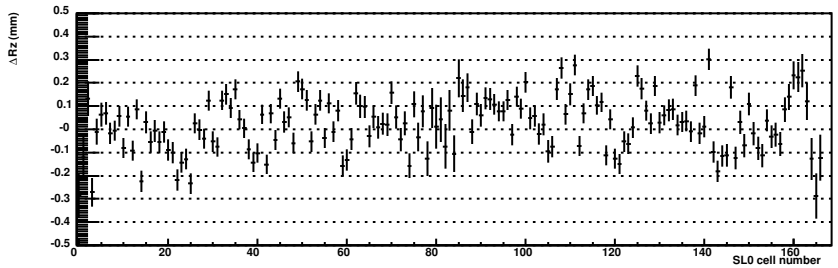

ΔR (mm)
SL3 cell number

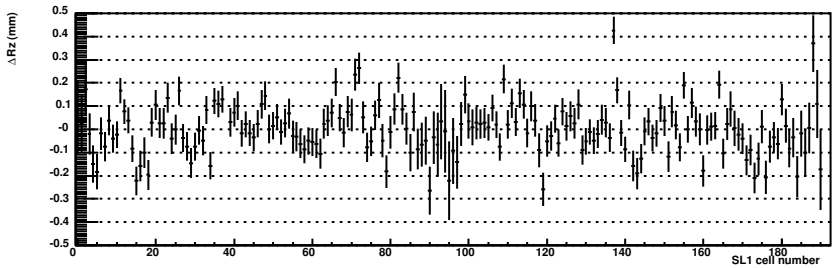

ΔR (mm)
SL4 cell number

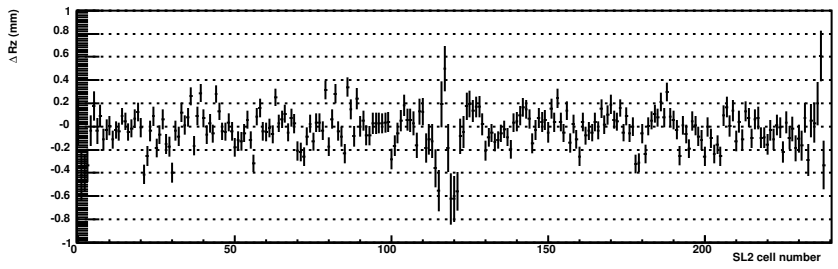

ΔR (mm)
SL5 cell number

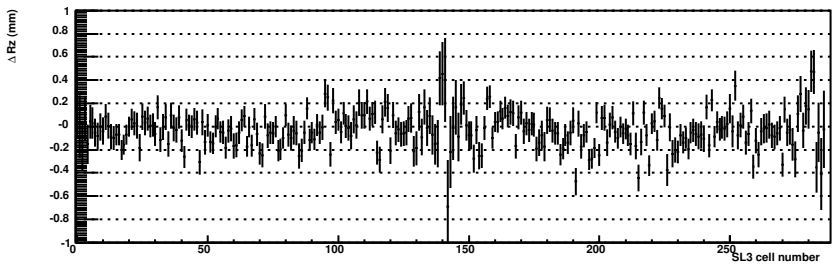

ΔR (mm)
SL6 cell number

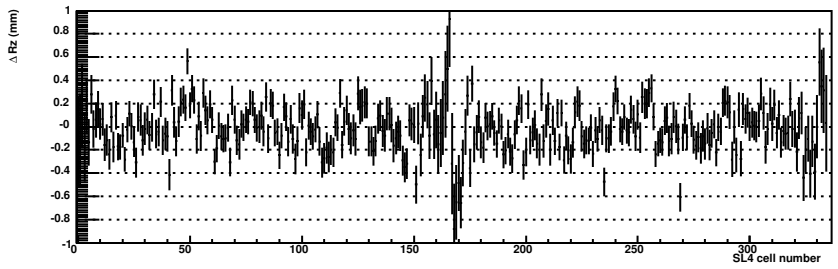

ΔR (mm)
SL7 cell number

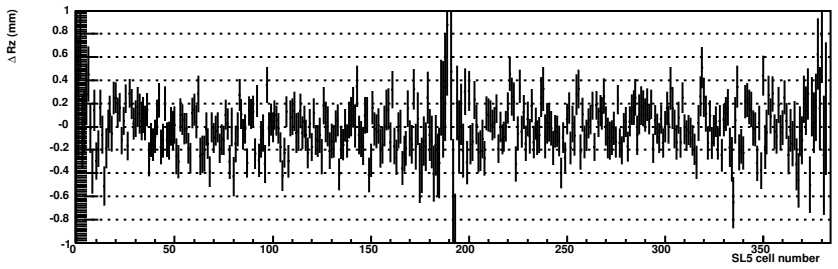

ΔRz (mm)
SL0 cell number

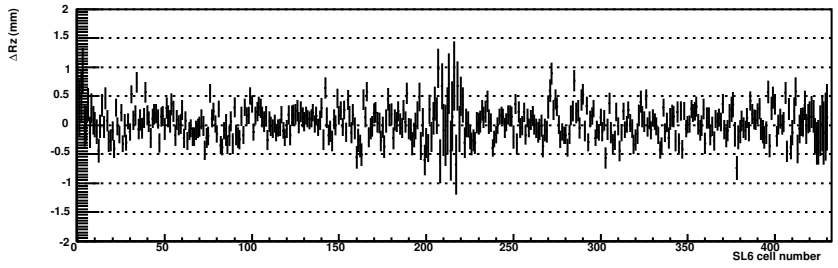

ΔRz (mm)
SL1 cell number

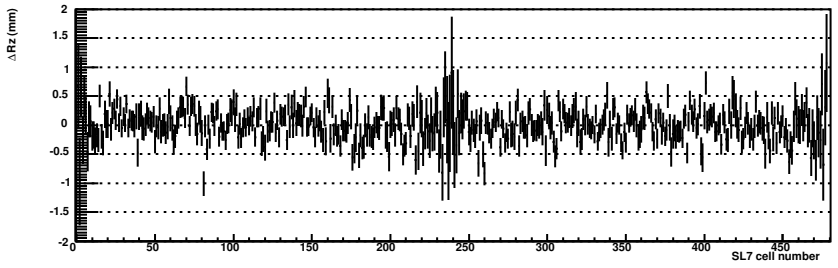

ΔRz (mm)
SL2 cell number

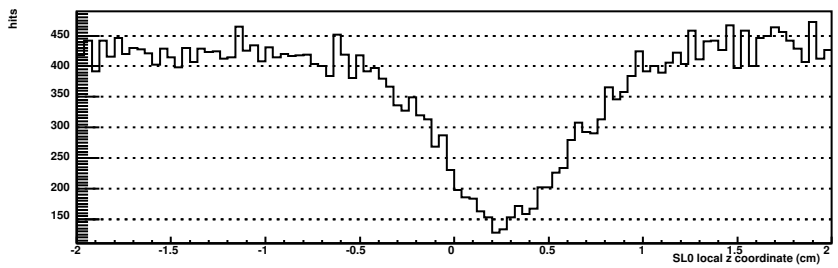

ΔRz (mm)
SL3 cell number

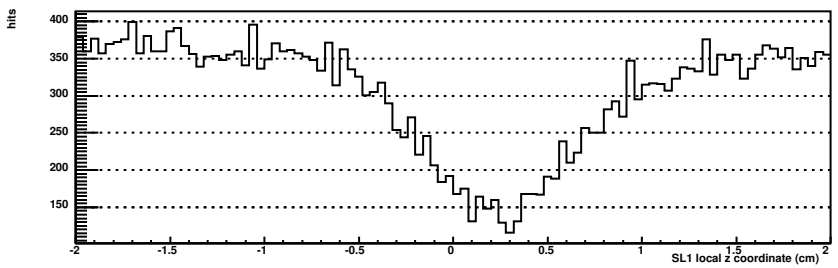

ΔRz (mm)
SL4 cell number

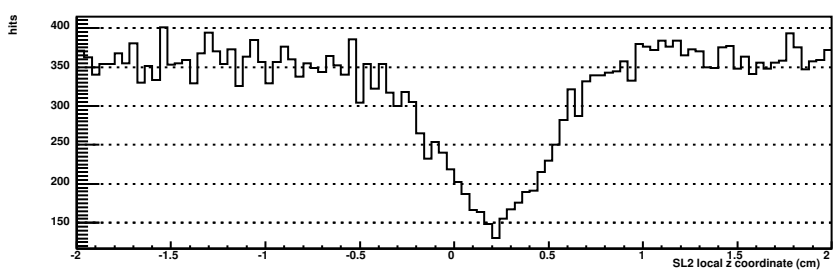

ΔRz (mm)
SL5 cell number

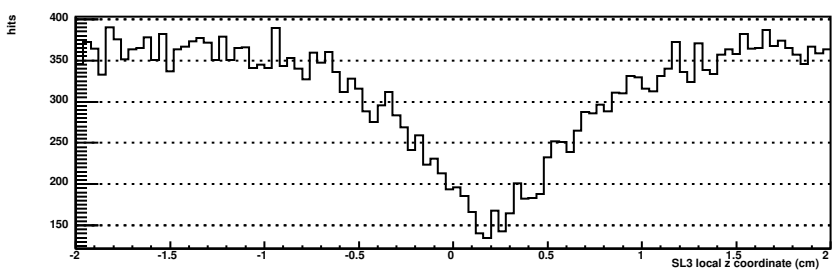

ΔRz (mm)
SL6 cell number

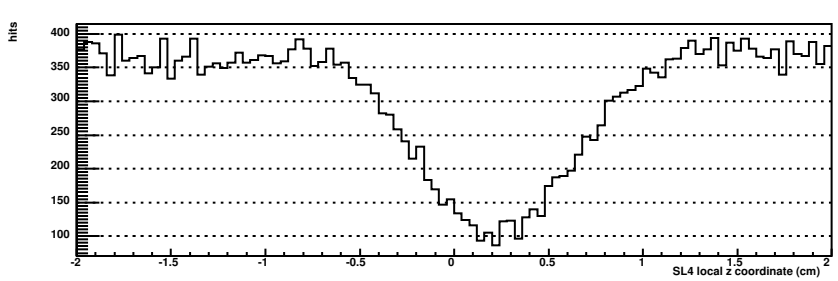

ΔRz (mm)
SL7 cell number

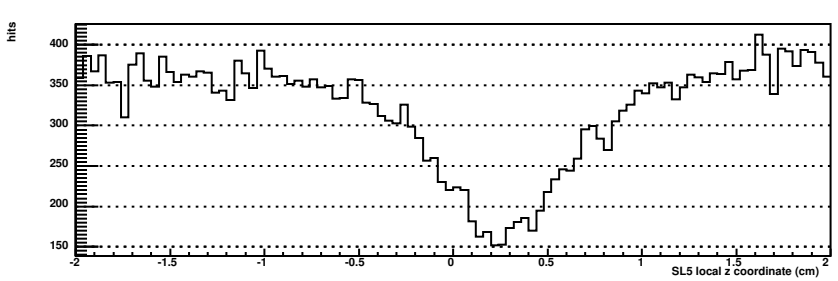

hits
SL0 local z coordinate (cm)

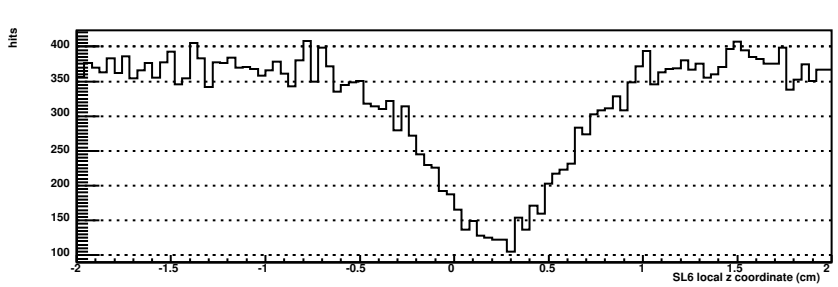

hits
SL1 local z coordinate (cm)

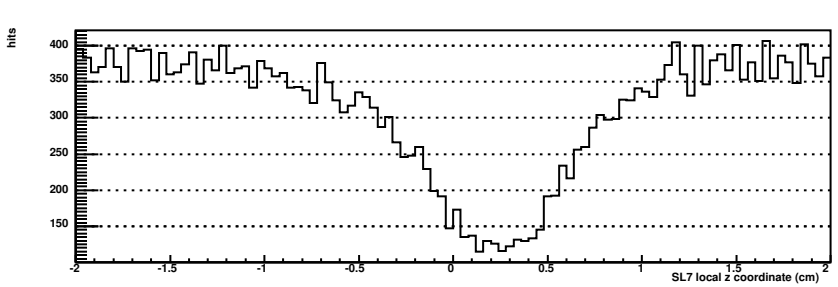

hits
SL2 local z coordinate (cm)

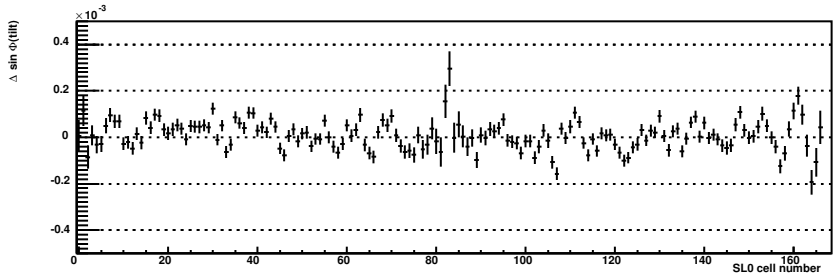

hits
SL3 local z coordinate (cm)

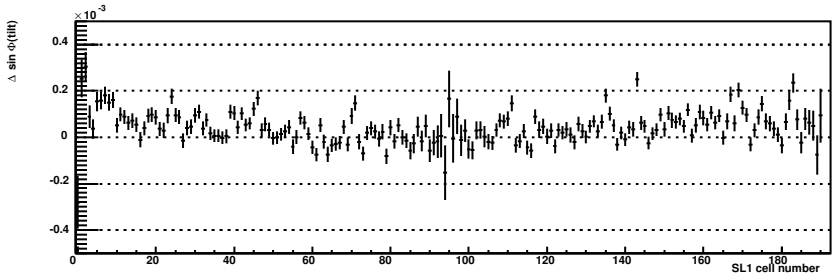

hits
SL4 local z coordinate (cm)

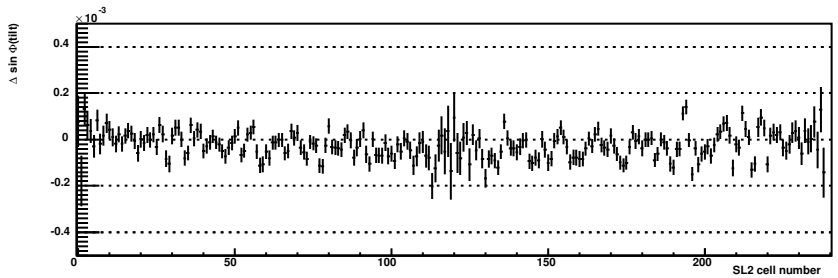

hits
SL5 local z coordinate (cm)

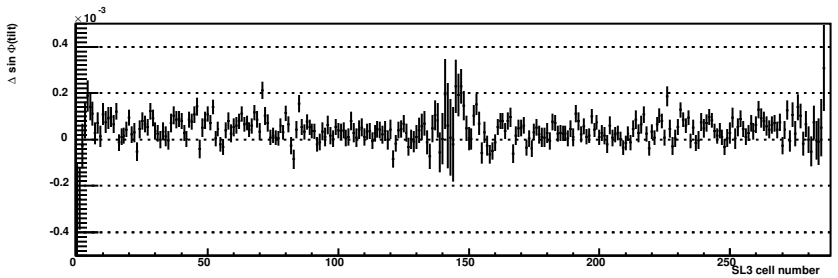

hits
SL6 local z coordinate (cm)

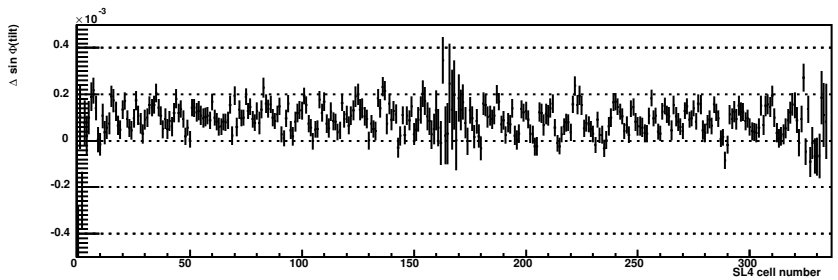

hits
SL7 local z coordinate (cm)

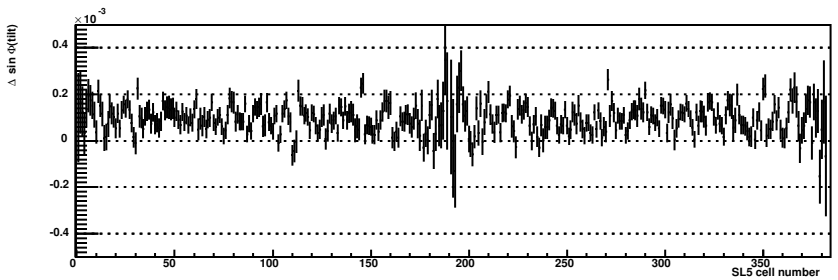

×10^-3
Δ sin Φ(tilt)
SL0 cell number

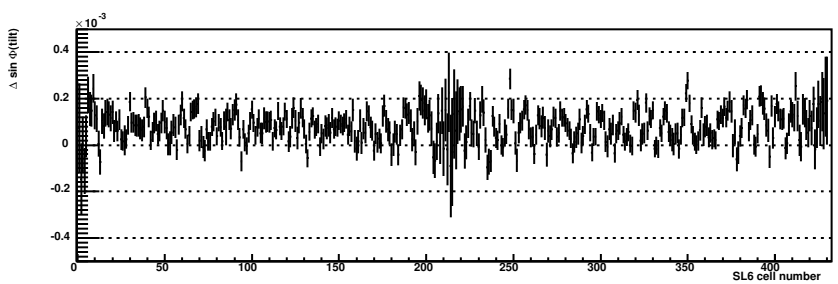

×10^-3
Δ sin Φ(tilt)
SL1 cell number

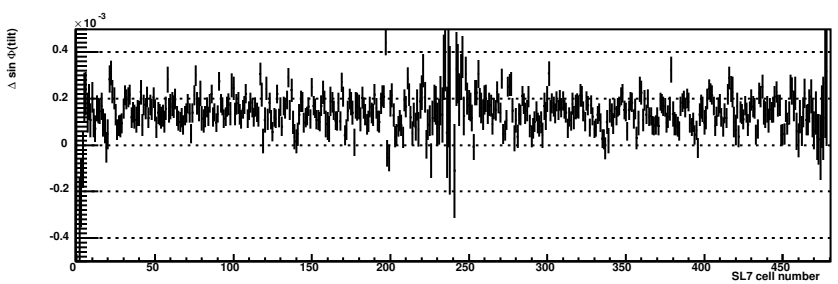

×10^-3
Δ sin Φ(tilt)
SL2 cell number

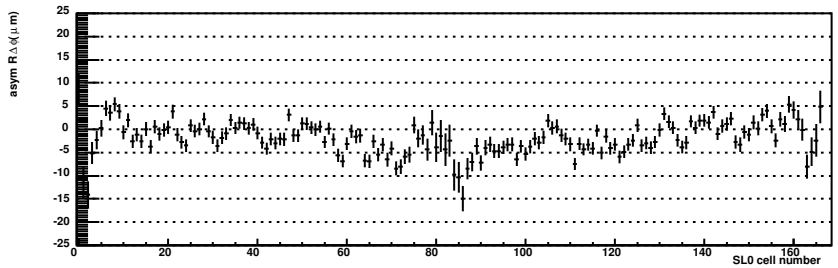

×10^-3
Δ sin Φ(tilt)
SL3 cell number

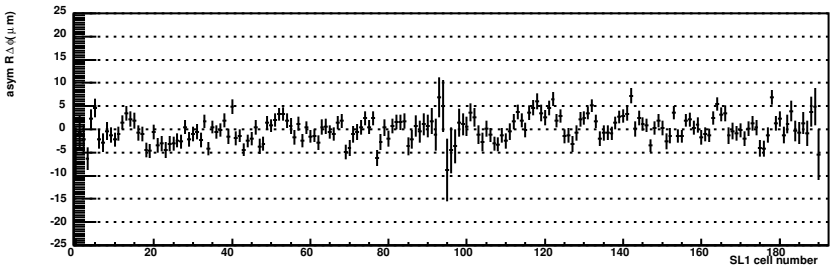

×10^-3
Δ sin Φ(tilt)
SL4 cell number

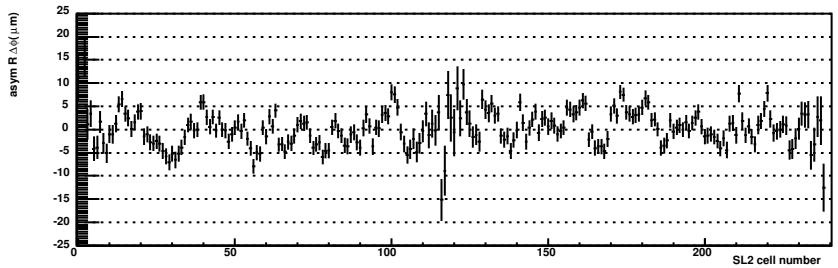

×10^-3
Δ sin Φ(tilt)
SL5 cell number

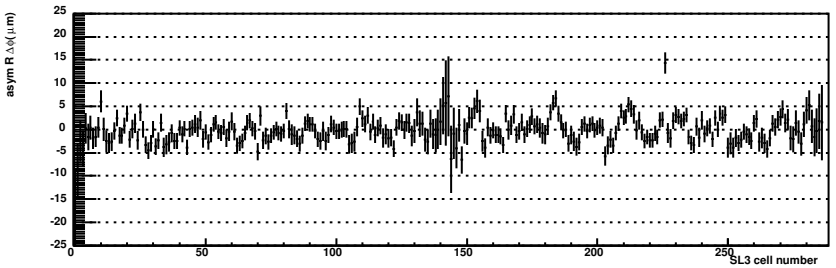

×10^-3
Δ sin Φ(tilt)
SL6 cell number

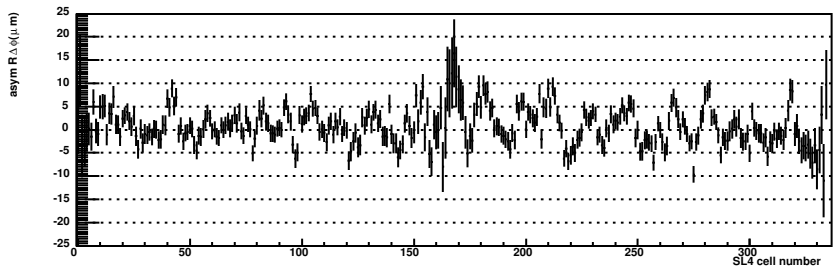

×10^-3
Δ sin Φ(tilt)
SL7 cell number

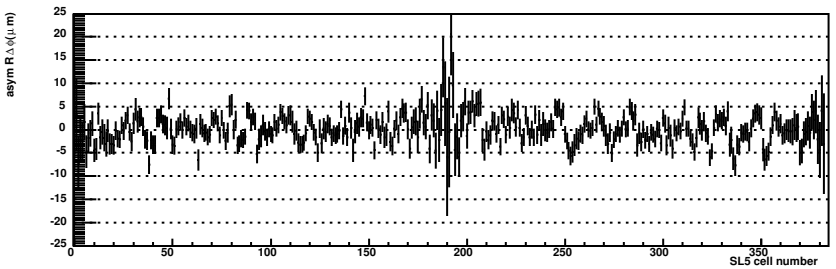

asym R Δφ(μm)
SL0 cell number

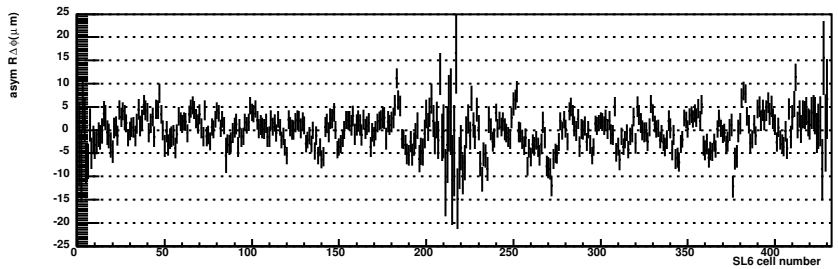

asym R Δφ(μm)
SL1 cell number

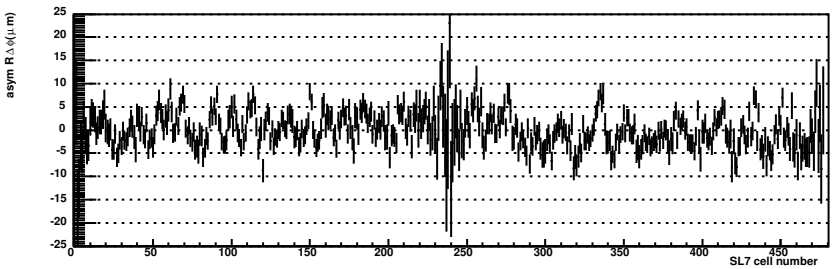

asym R Δφ(μm)
SL2 cell number

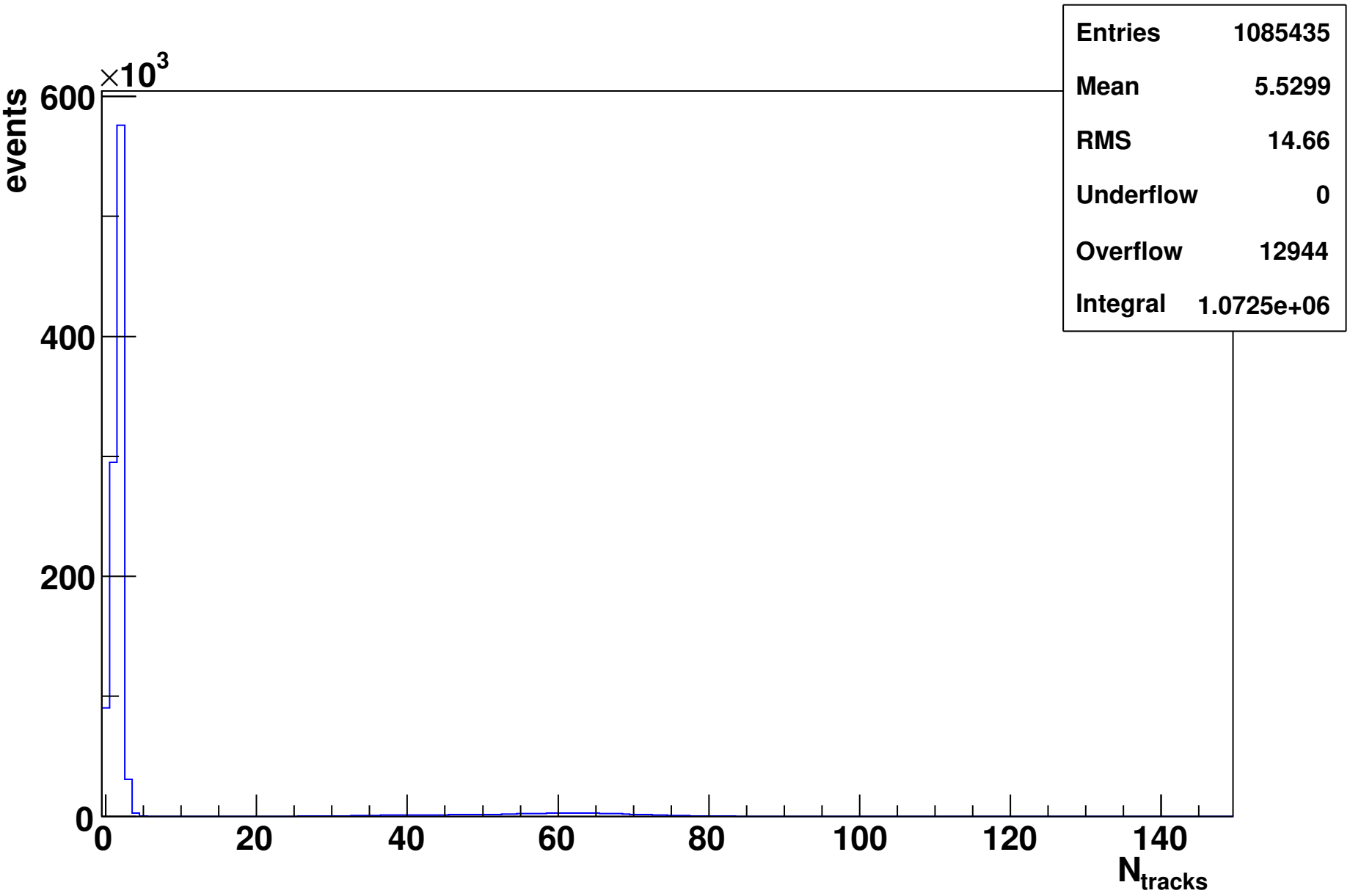

asym R Δφ(μm)
SL3 cell number

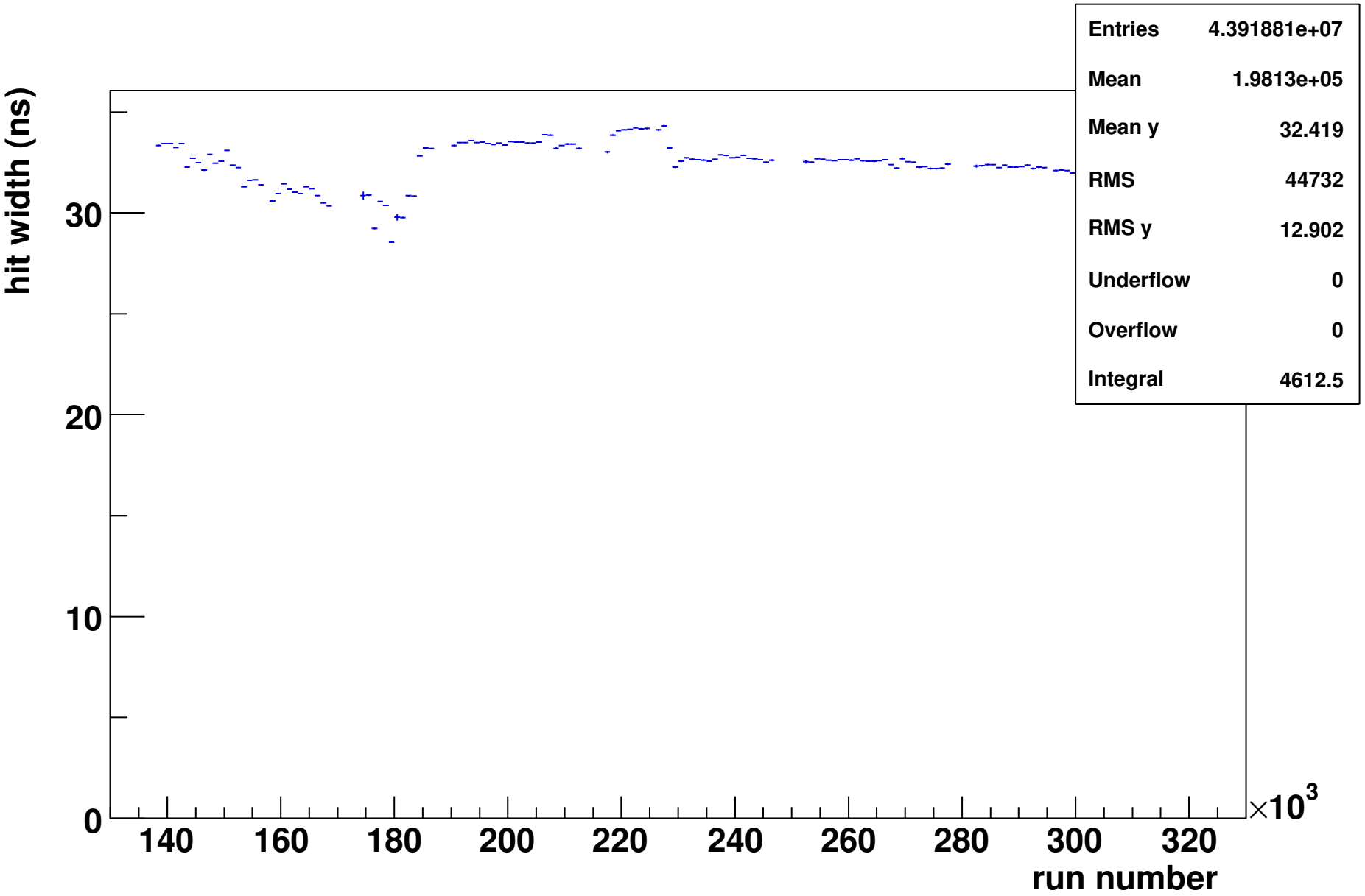

asym R Δφ(μm)
SL4 cell number

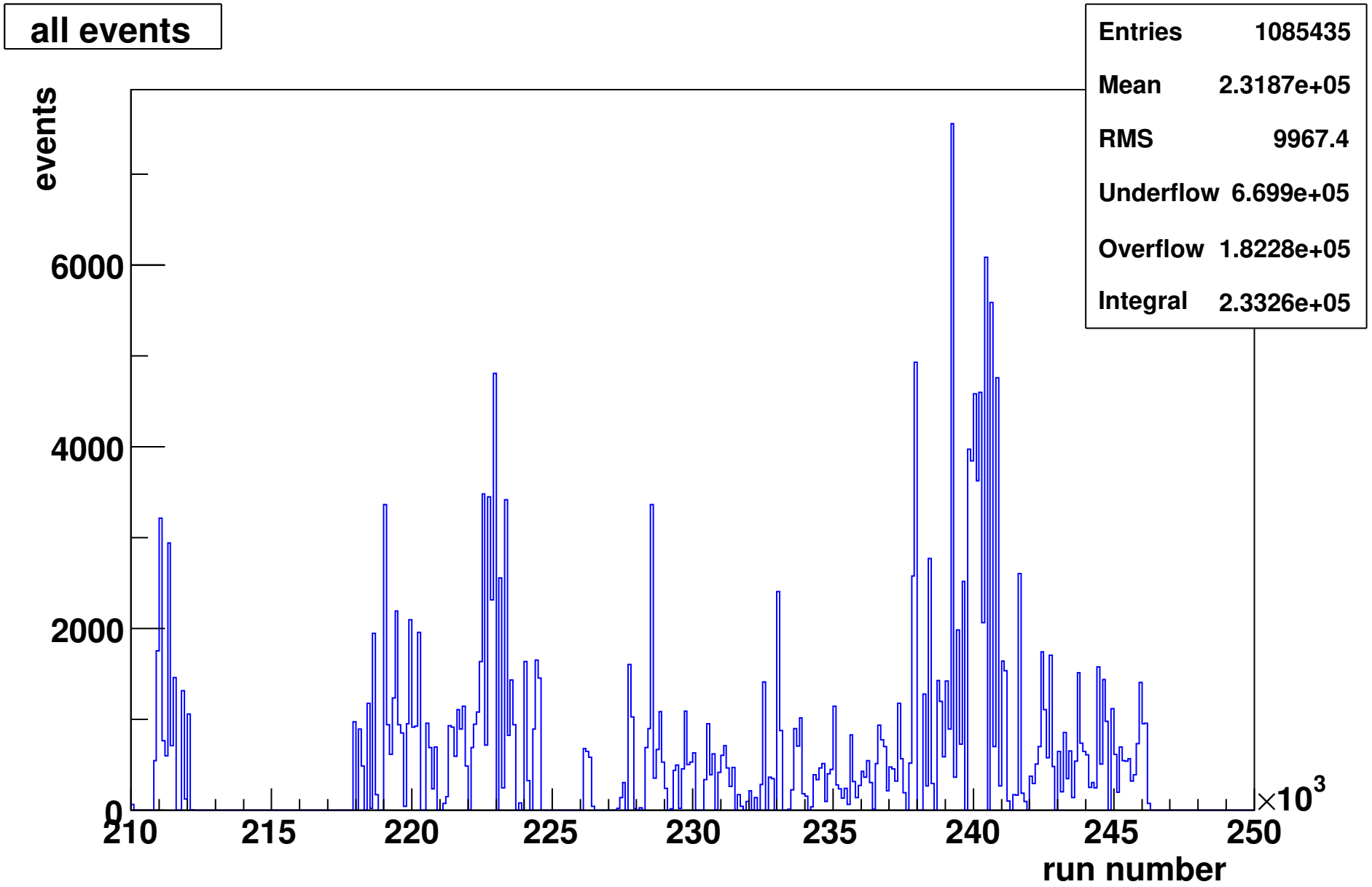

asym R Δφ(μm)
SL5 cell number

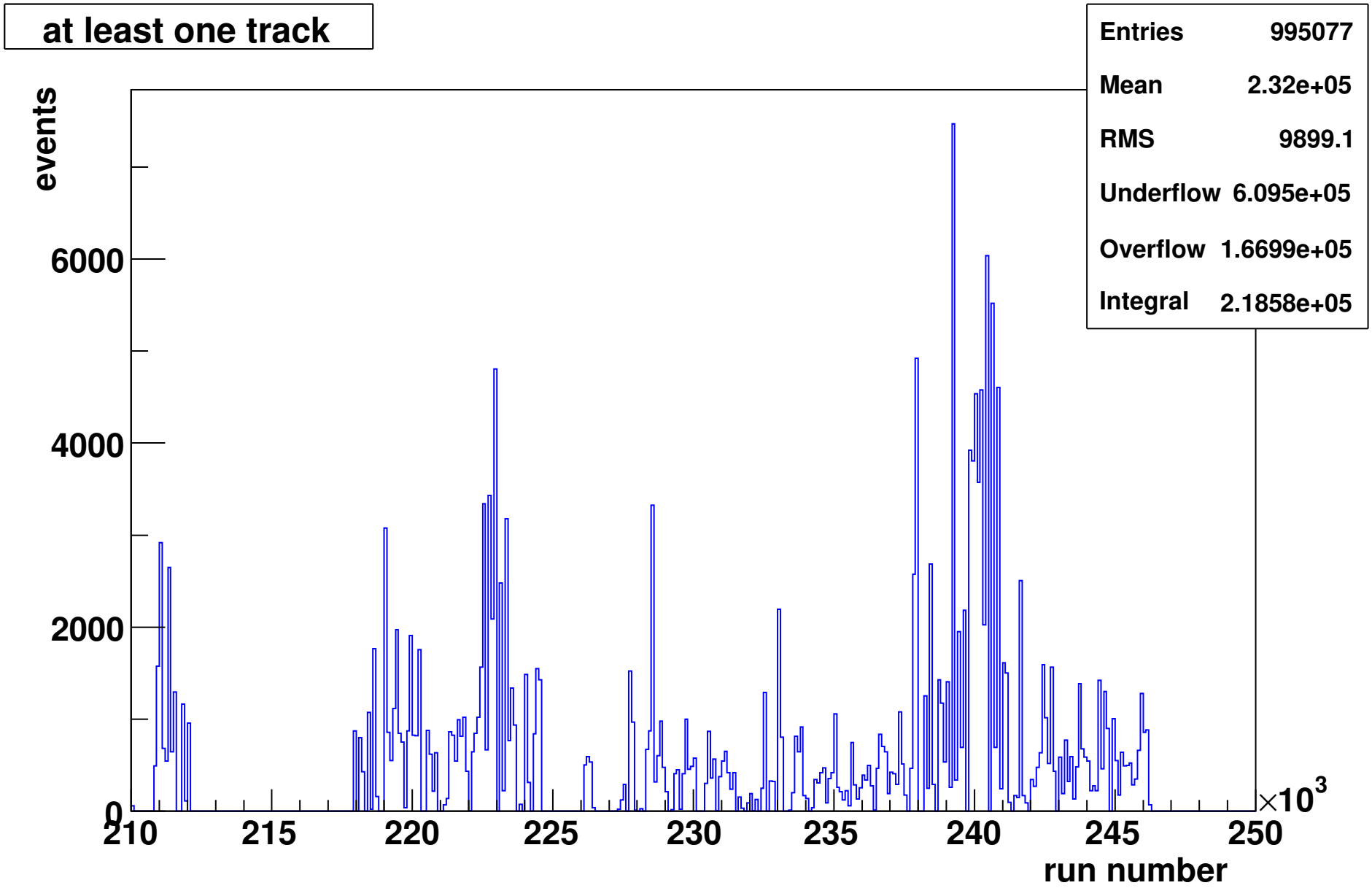

asym R Δφ(μm)
SL6 cell number

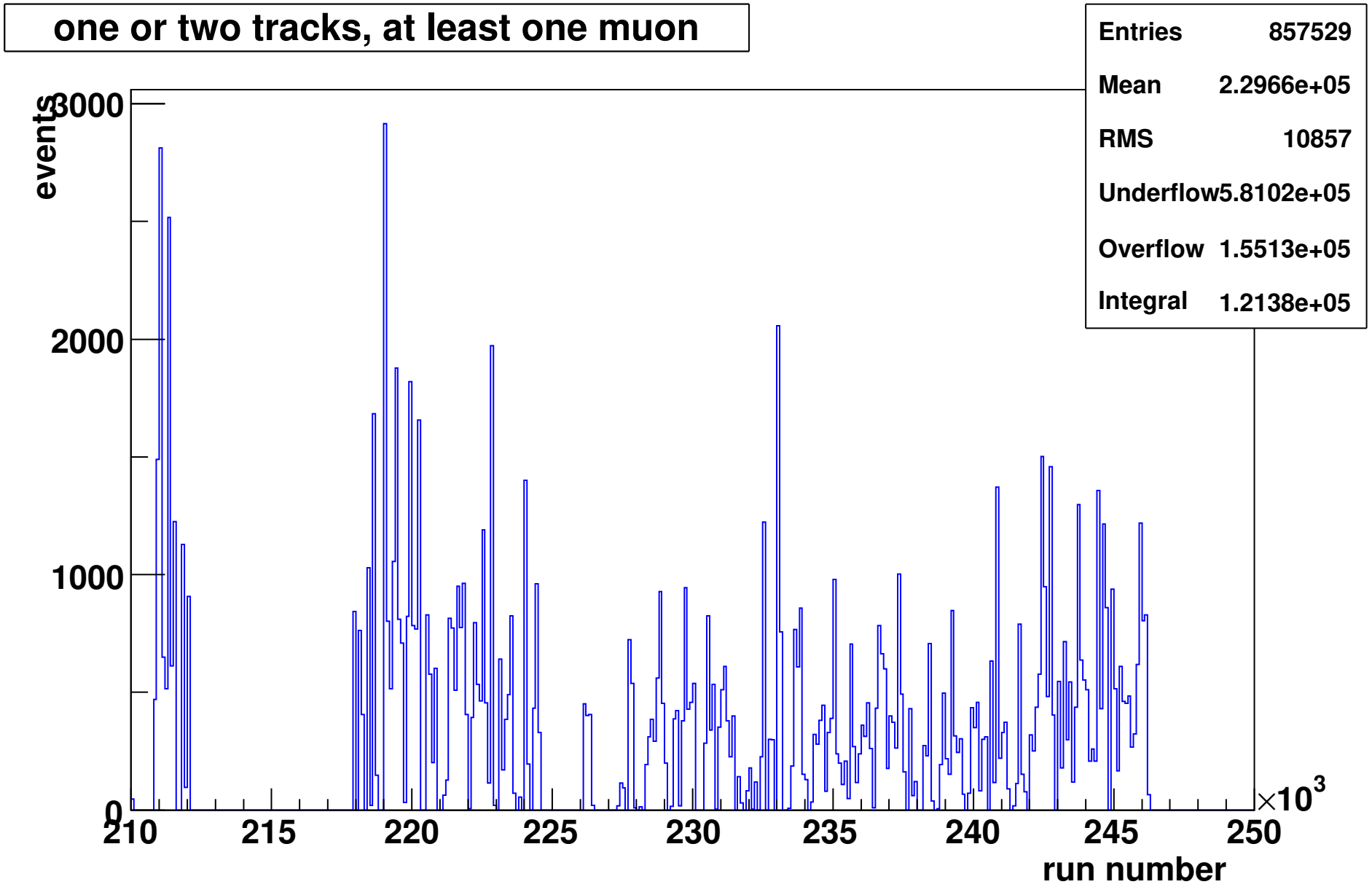

asym R Δφ(μm)
SL7 cell number

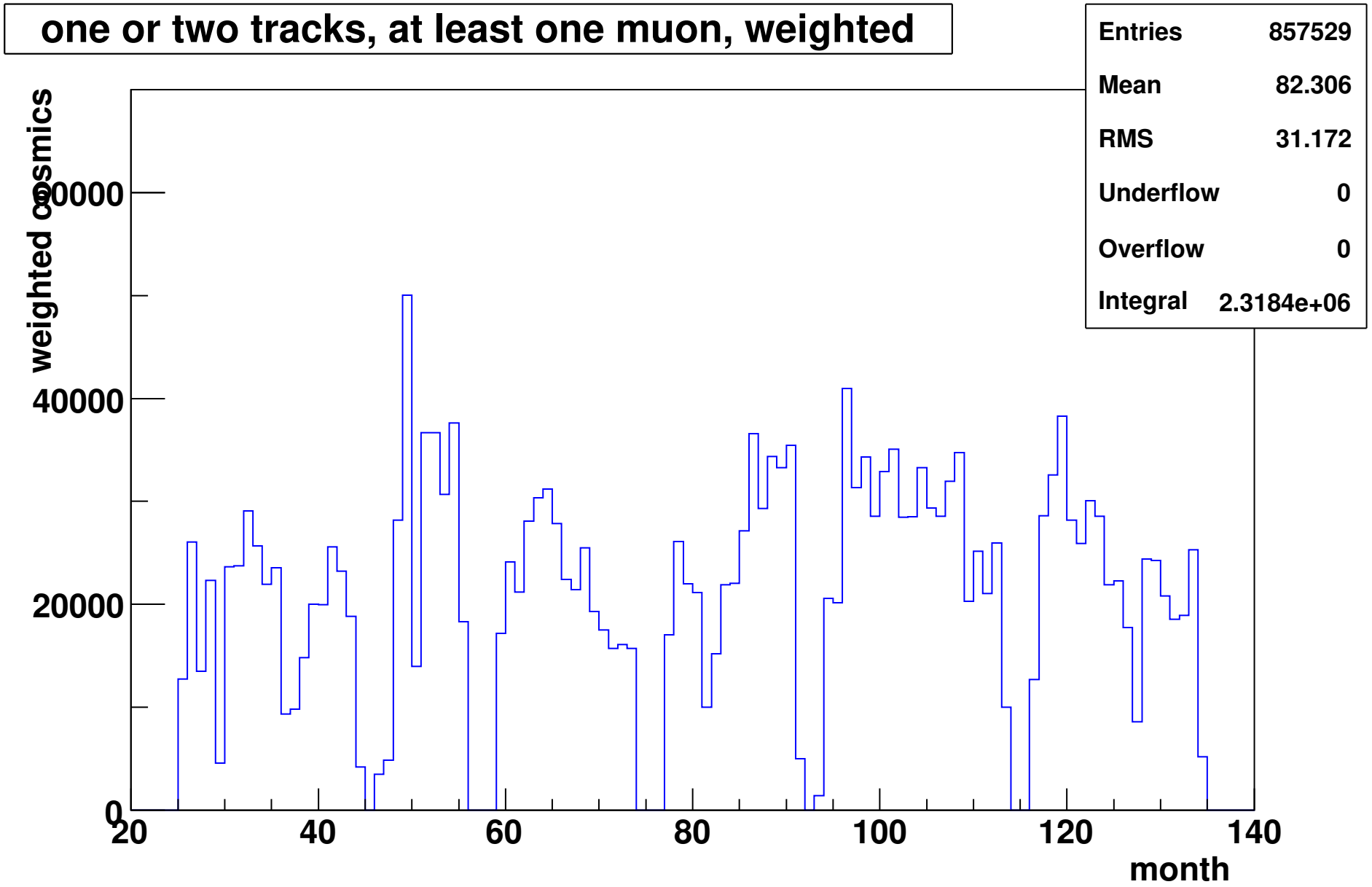

Entries 1085435
Mean 5.5299
RMS 14.66
Underflow 0
Overflow 12944
Integral 1.0725e+06
events
×10^3
600
400
200
0
0
20
40
60
80
100
120
140
N_tracks

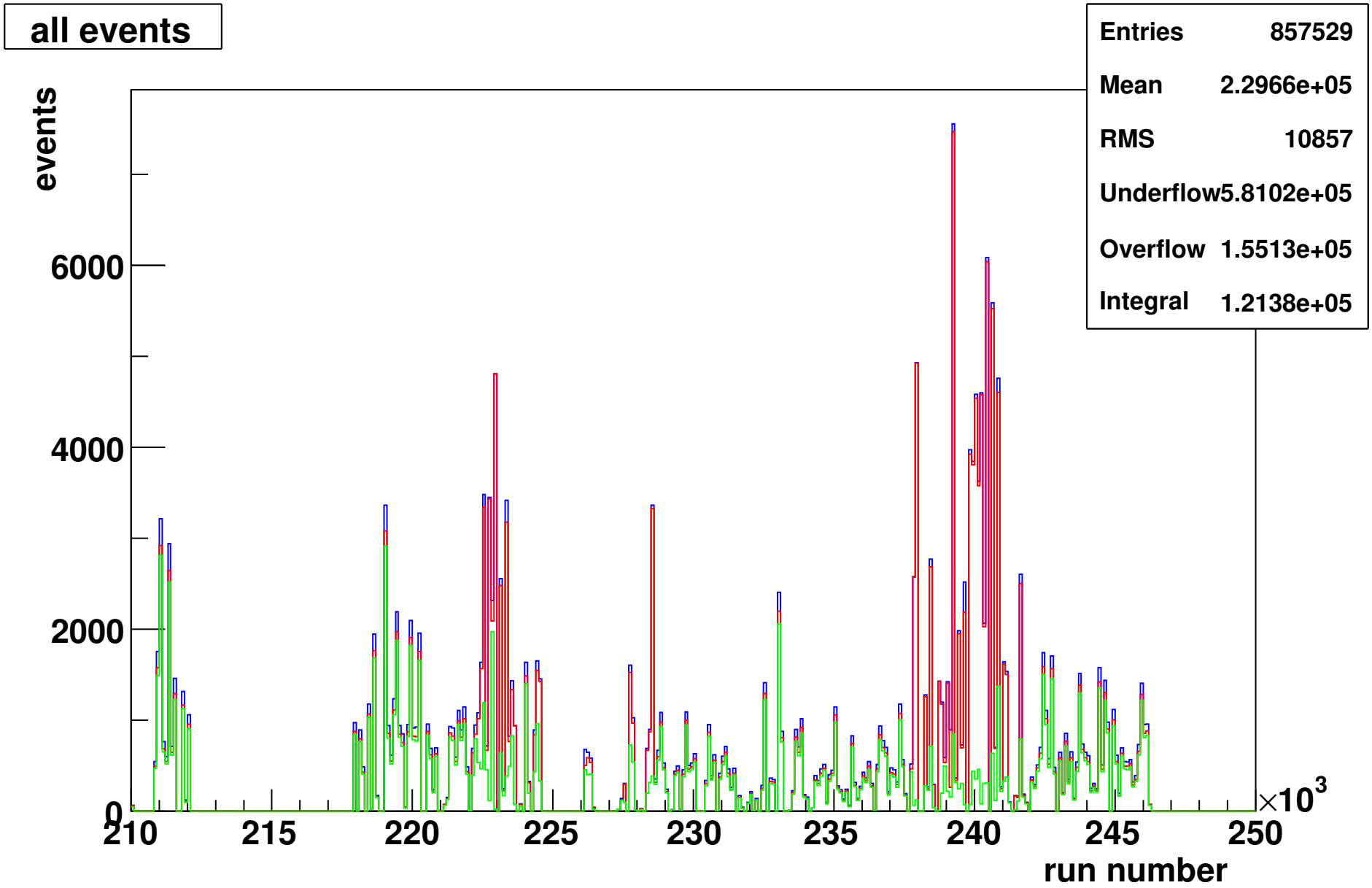

hit width (ns)
30
20
10
0
140
160
180
200
220
240
260
280
300
320
×10^3
run number
Entries 4.391881e+07
Mean 1.9813e+05
Mean y 32.419
RMS 44732
RMS y 12.902
Underflow 0
Overflow 0
Integral 4612.5

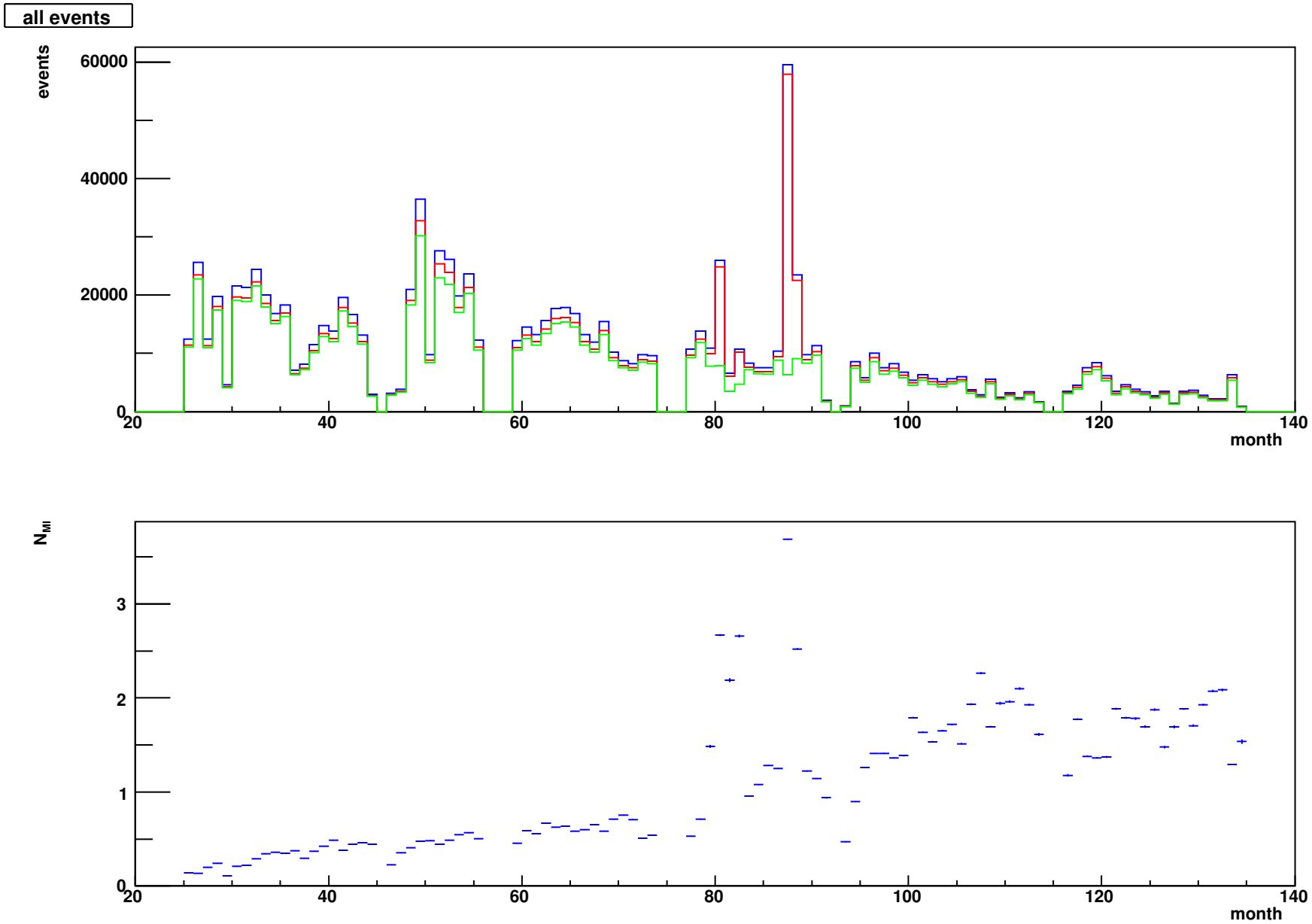

all events
Entries 1085435
Mean 2.3187e+05
RMS 9967.4
Underflow 6.699e+05
Overflow 1.8228e+05
Integral 2.3326e+05
events
6000
4000
2000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

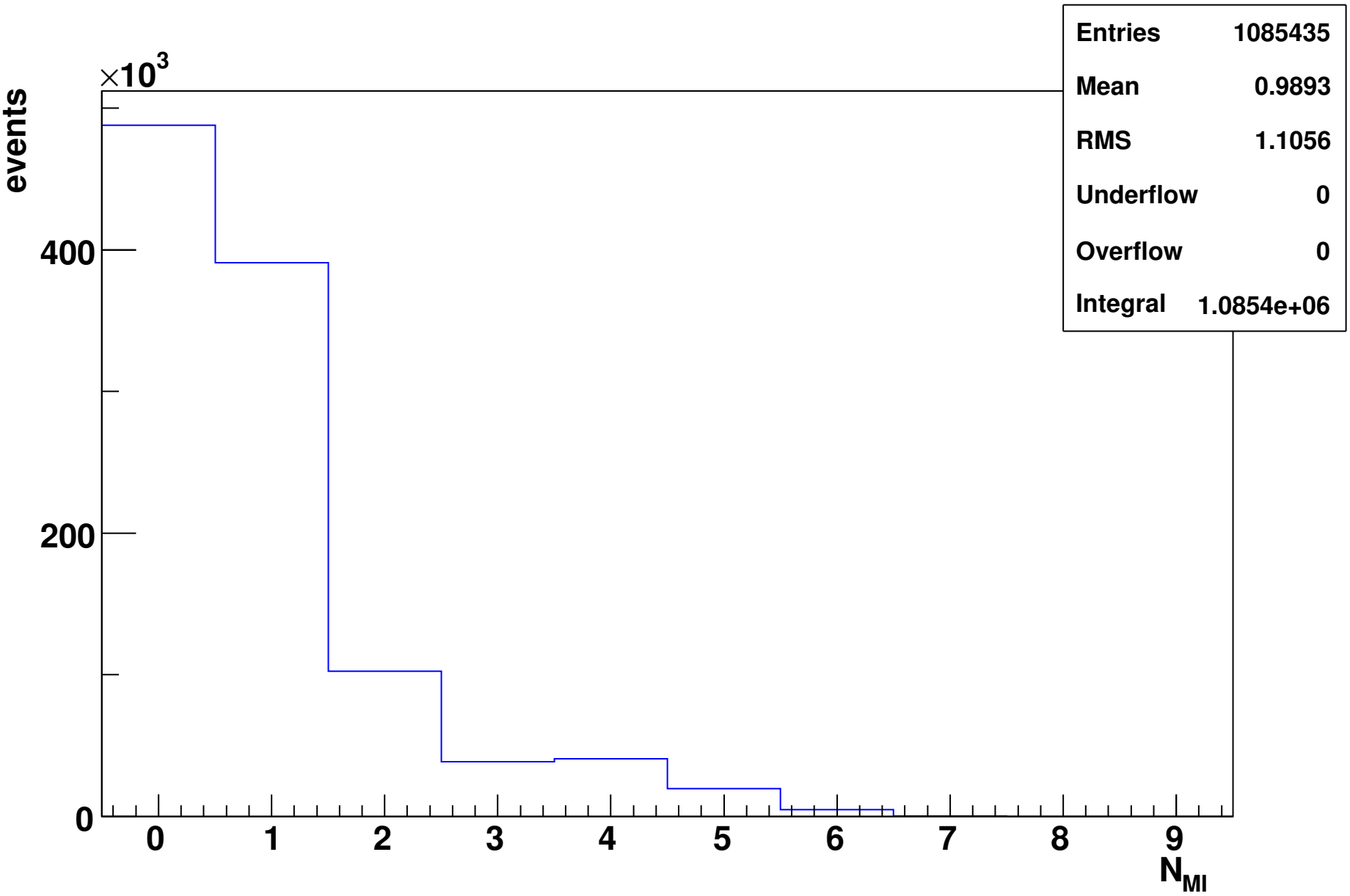

at least one track
Entries 995077
Mean 2.32e+05
RMS 9899.1
Underflow 6.095e+05
Overflow 1.6699e+05
Integral 2.1858e+05
events
6000
4000
2000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

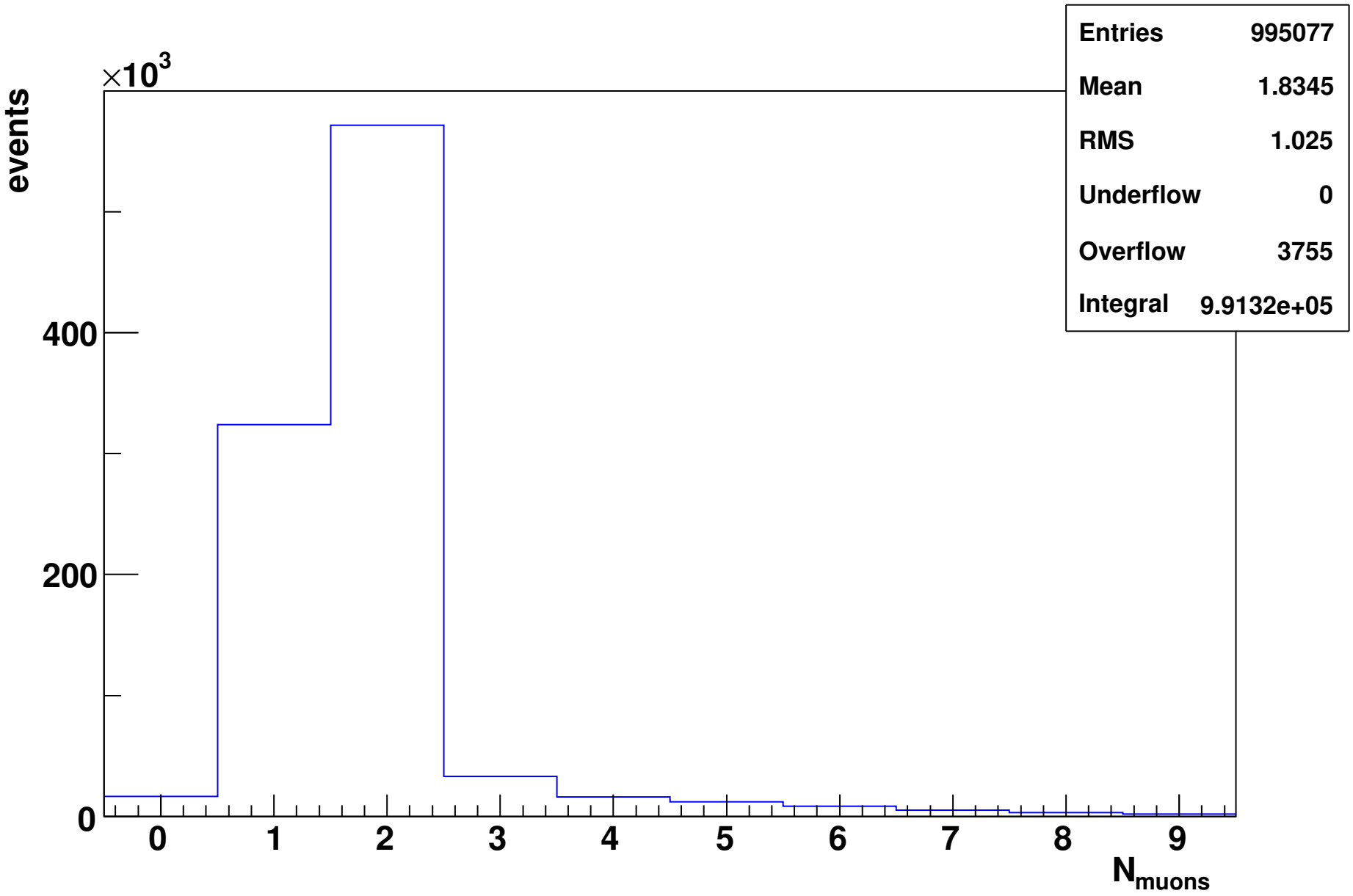

one or two tracks, at least one muon
Entries 857529
Mean 2.2966e+05
RMS 10857
Underflow 5.8102e+05
Overflow 1.5513e+05
Integral 1.2138e+05
events
3000
2000
1000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

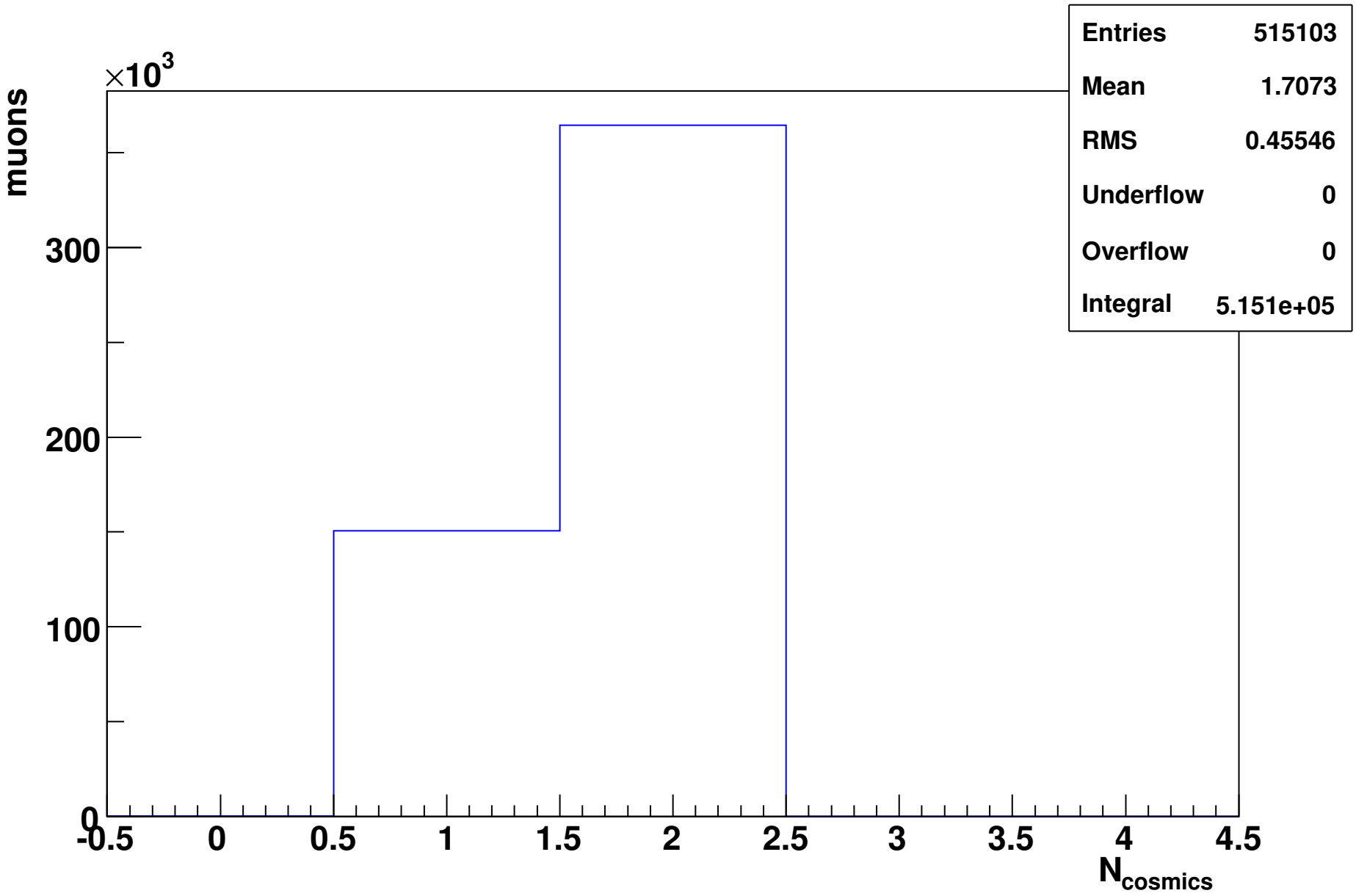

one or two tracks, at least one muon, weighted
Entries 857529
Mean 82.306
RMS 31.172
Underflow 0
Overflow 0
Integral 2.3184e+06
weighted cosmics
60000
40000
20000
0
20
40
60
80
100
120
140
month

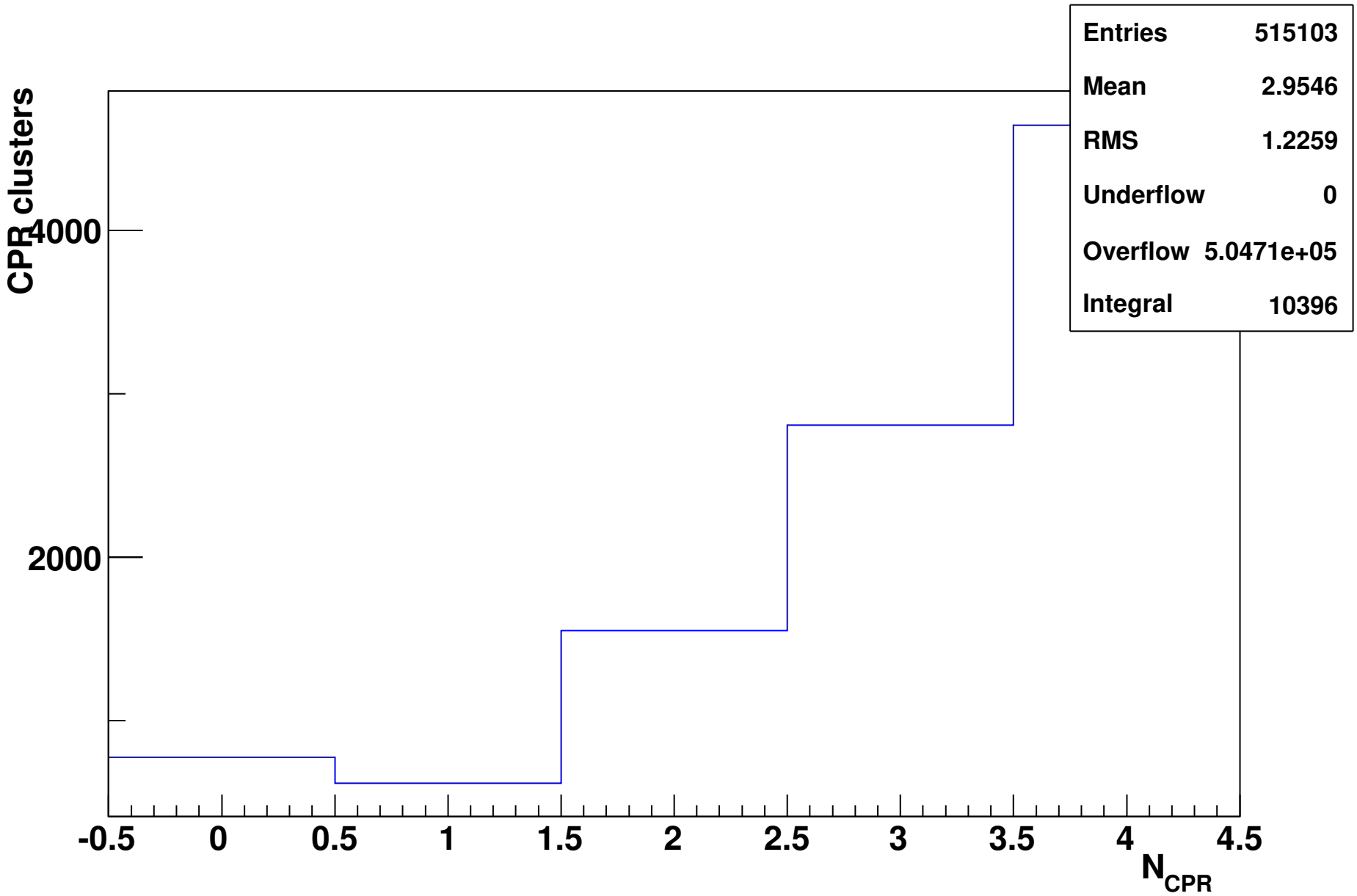

all events
Entries 857529
Mean 2.2966e+05
RMS 10857
Underflow 5.8102e+05
Overflow 1.5513e+05
Integral 1.2138e+05
events
6000
4000
2000
0
210
215
220
225
230
235
240
245
250
×10^3
run number

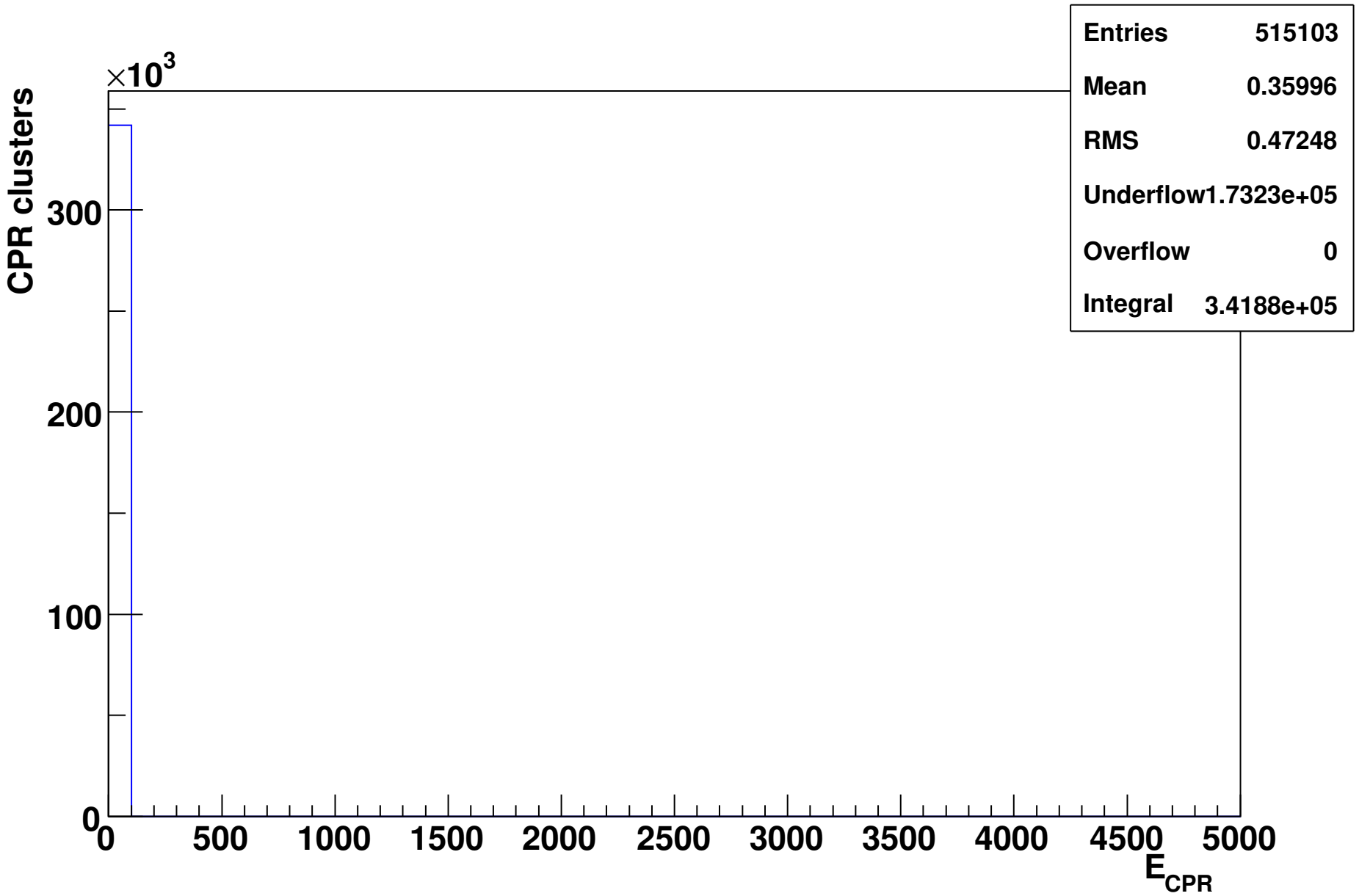

all events
events
60000
40000
20000
0
20
40
60
80
100
120
140
month
N_{MI}
3
2
1
0
20
40
60
80
100
120
140
month

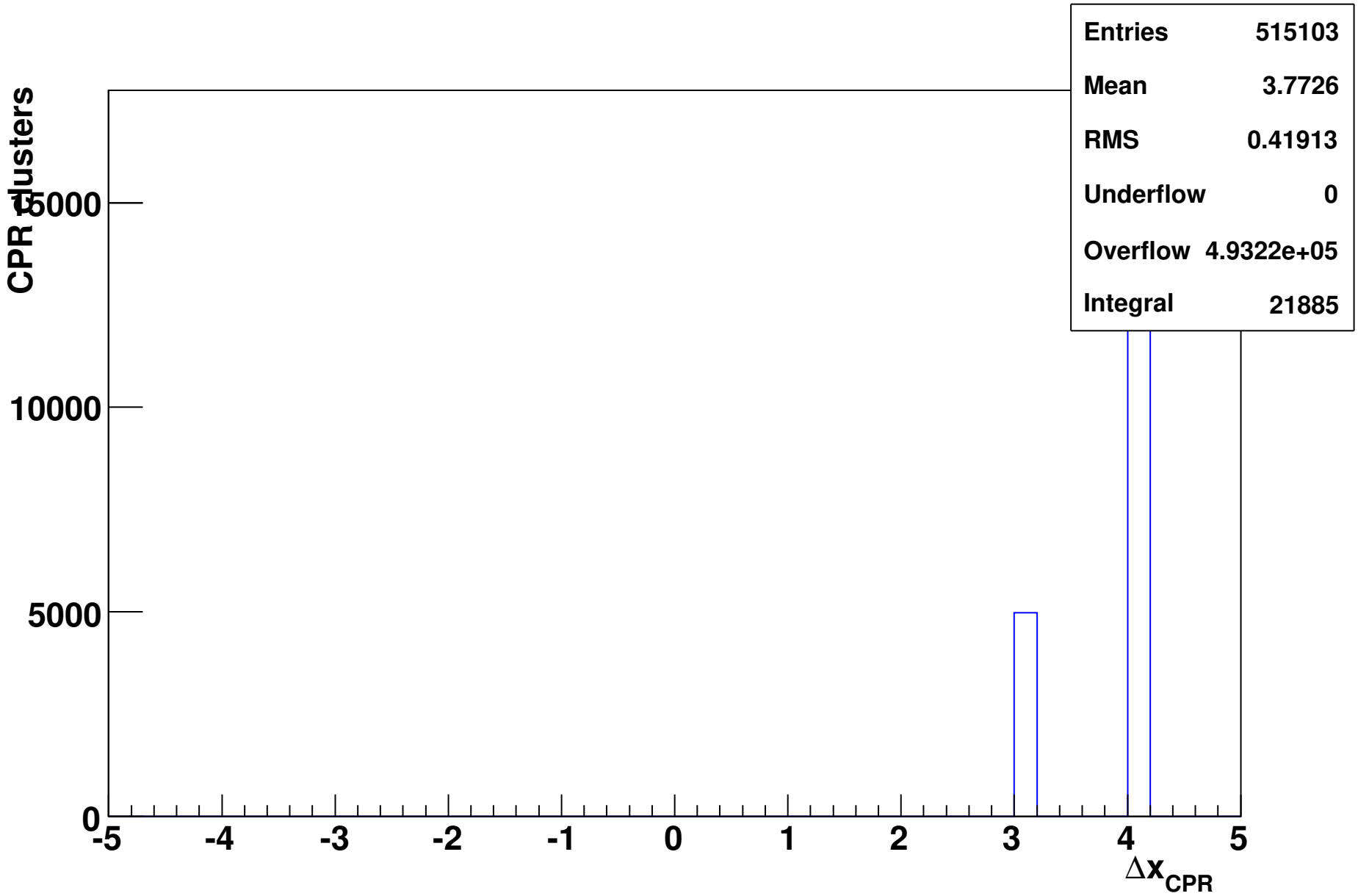

Entries 1085435
Mean 0.9893
RMS 1.1056
Underflow 0
Overflow 0
Integral 1.0854e+06
×10^3
events
400
200
0
0 1 2 3 4 5 6 7 8 9
N_MI

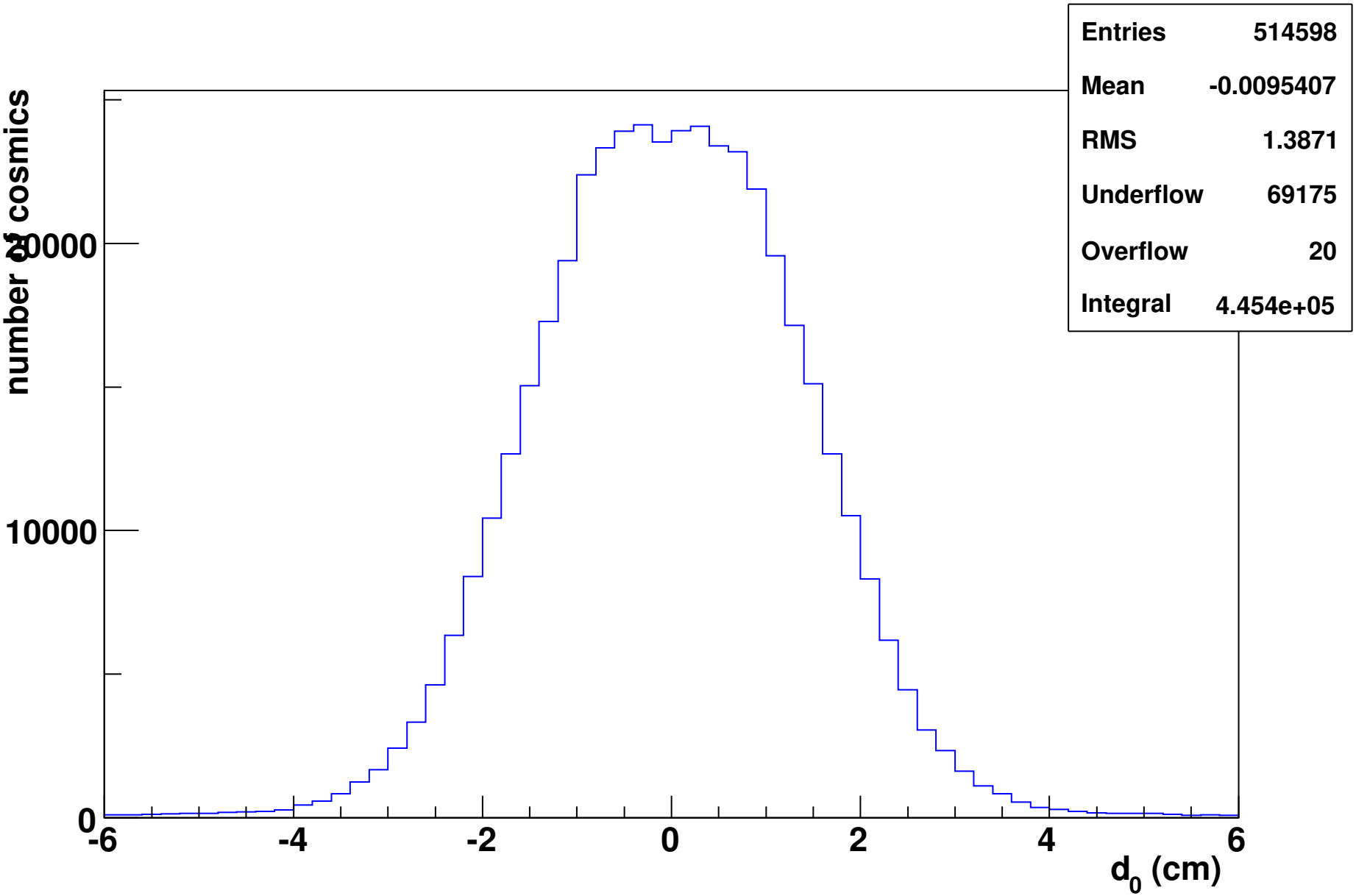

Entries 995077
Mean 1.8345
RMS 1.025
Underflow 0
Overflow 3755
Integral 9.9132e+05
×10^3
events
400
200
0
0
1
2
3
4
5
6
7
8
9
N_muons

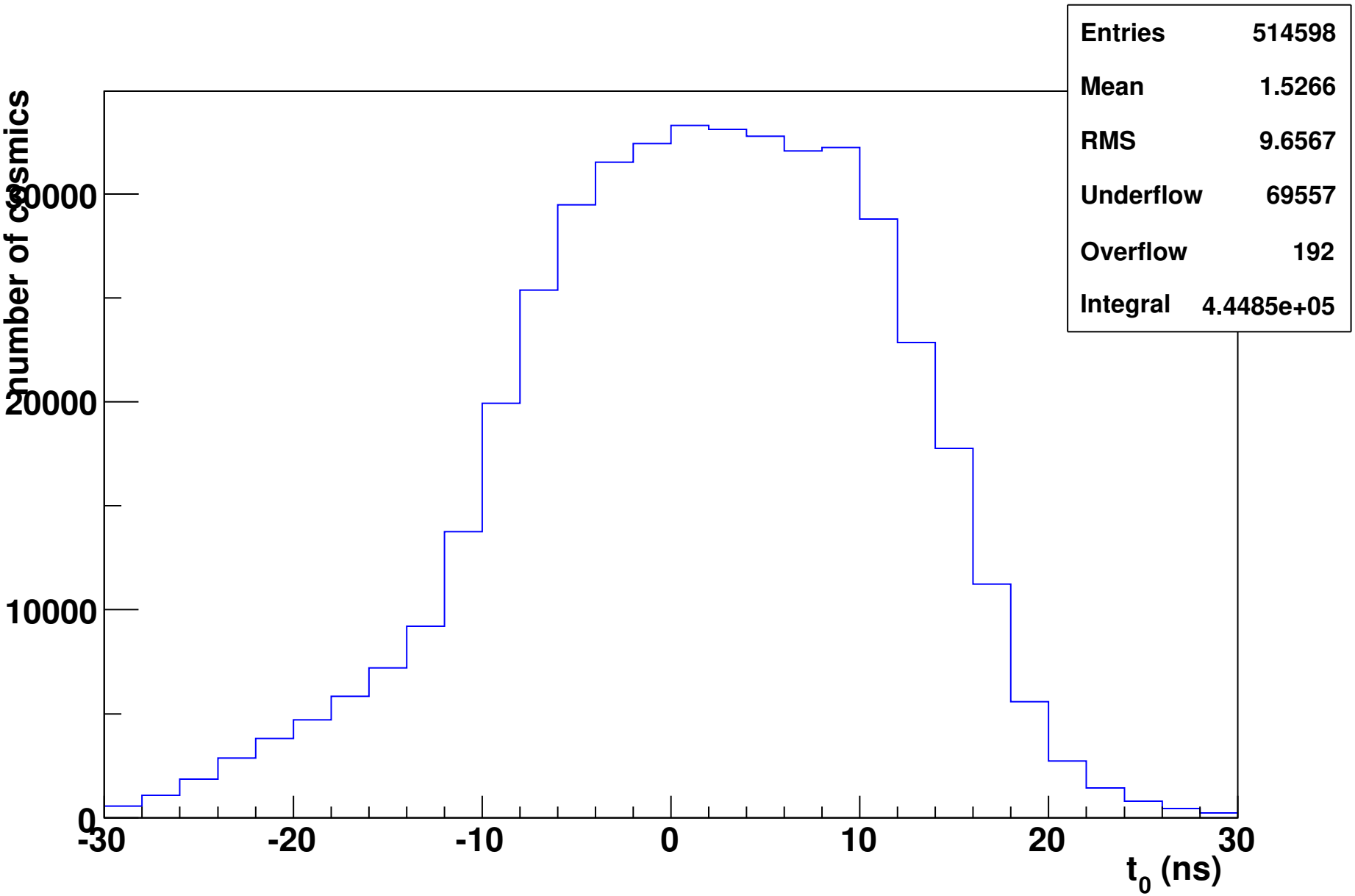

Entries 515103
Mean 1.7073
RMS 0.45546
Underflow 0
Overflow 0
Integral 5.151e+05
muons
×10^3
300
200
100
0
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_cosmics

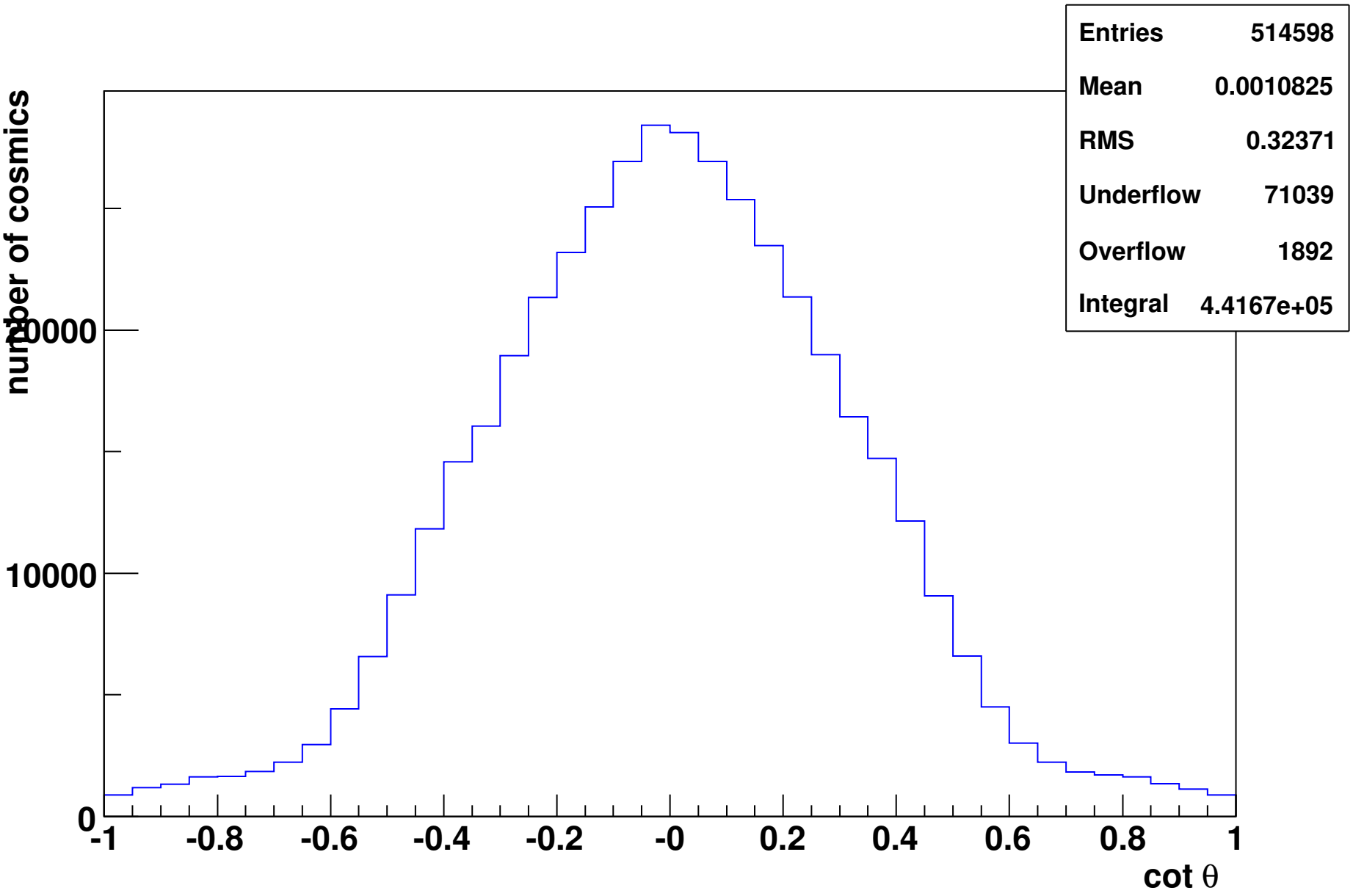

Entries 515103
Mean 2.9546
RMS 1.2259
Underflow 0
Overflow 5.0471e+05
Integral 10396
CPR clusters
4000
2000
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
N_CPR

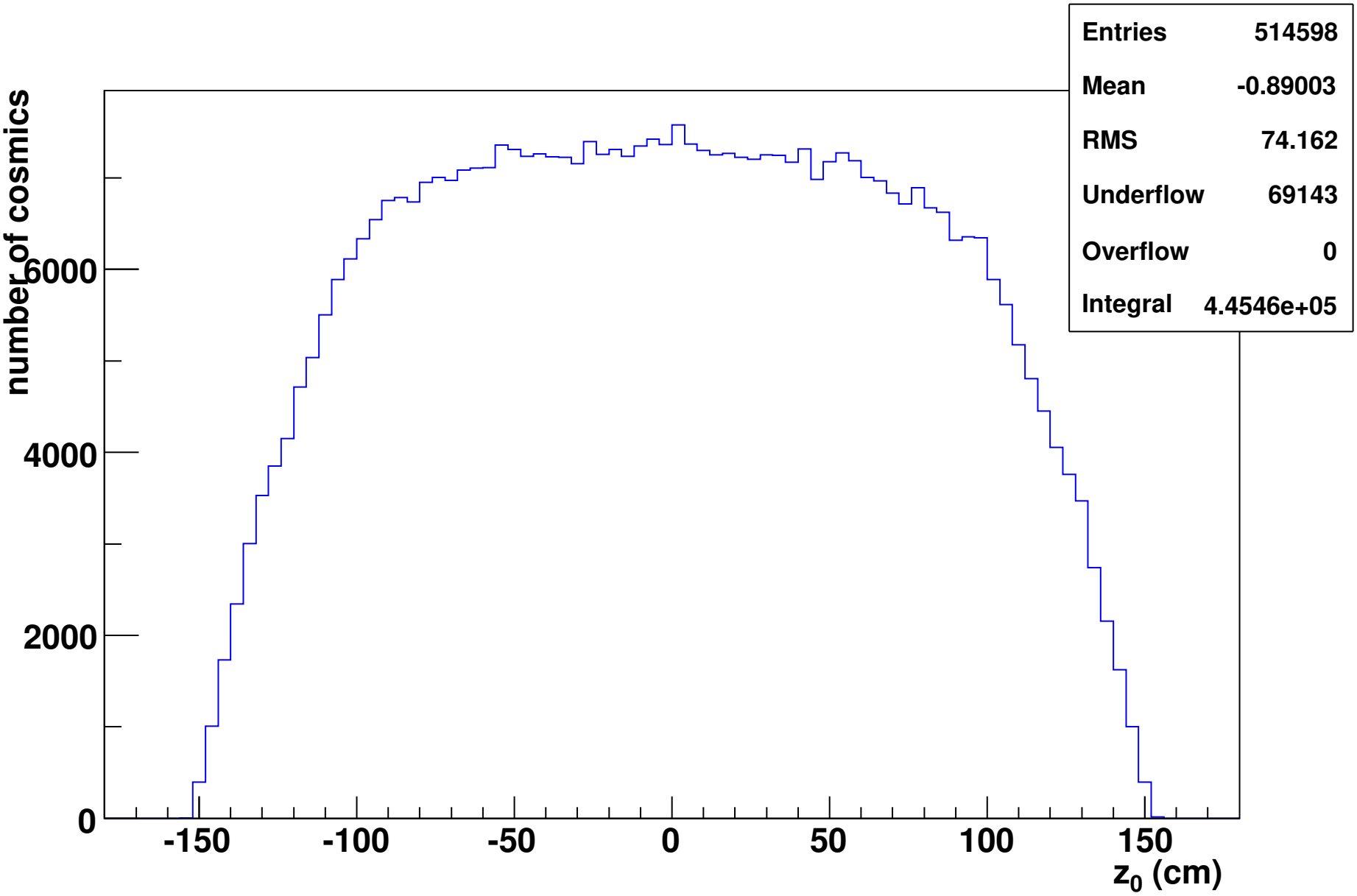

Entries 515103
Mean 0.35996
RMS 0.47248
Underflow 1.7323e+05
Overflow 0
Integral 3.4188e+05
×10^3
CPR clusters
300
200
100
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
E_CPR

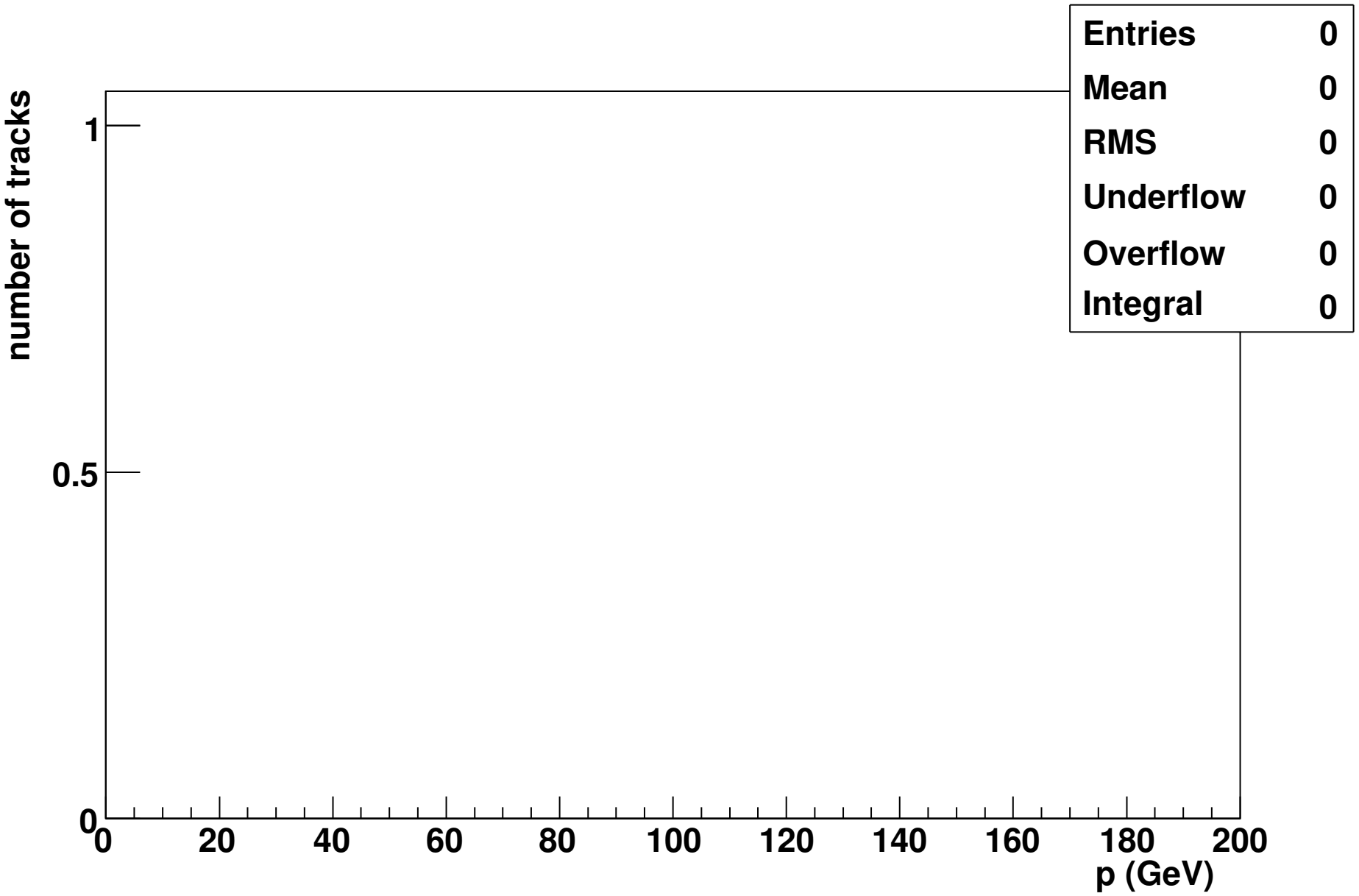

Entries 515103
Mean 3.7726
RMS 0.41913
Underflow 0
Overflow 4.9322e+05
Integral 21885
CPR clusters
10000
5000
0
-5
-4
-3
-2
-1
0
1
2
3
4
5
Δx_{CPR}

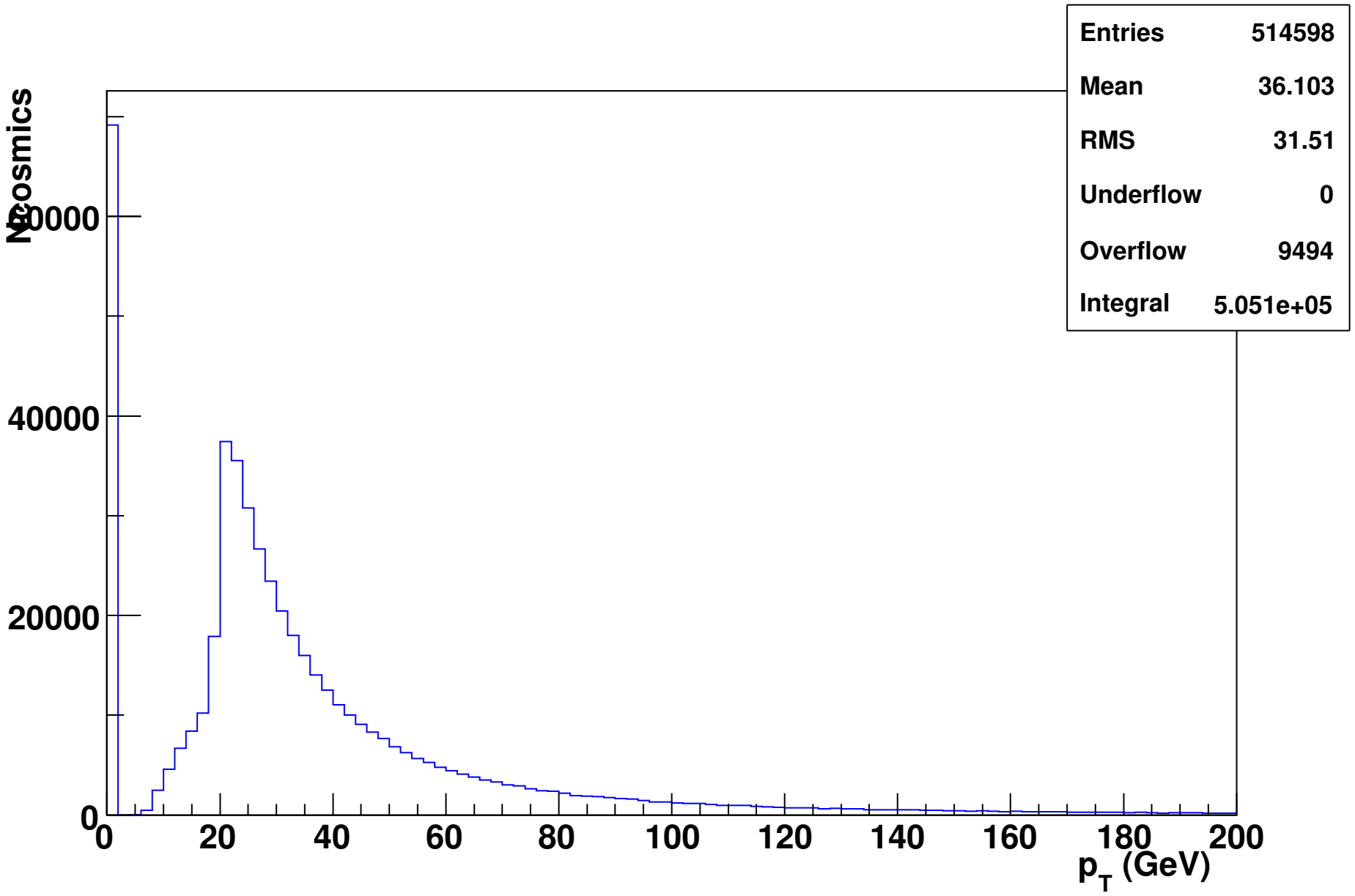

Entries 514598
Mean -0.0095407
RMS 1.3871
Underflow 69175
Overflow 20
Integral 4.454e+05
number of cosmics
20000
10000
0
-6
-4
-2
0
2
4
6
d_0 (cm)

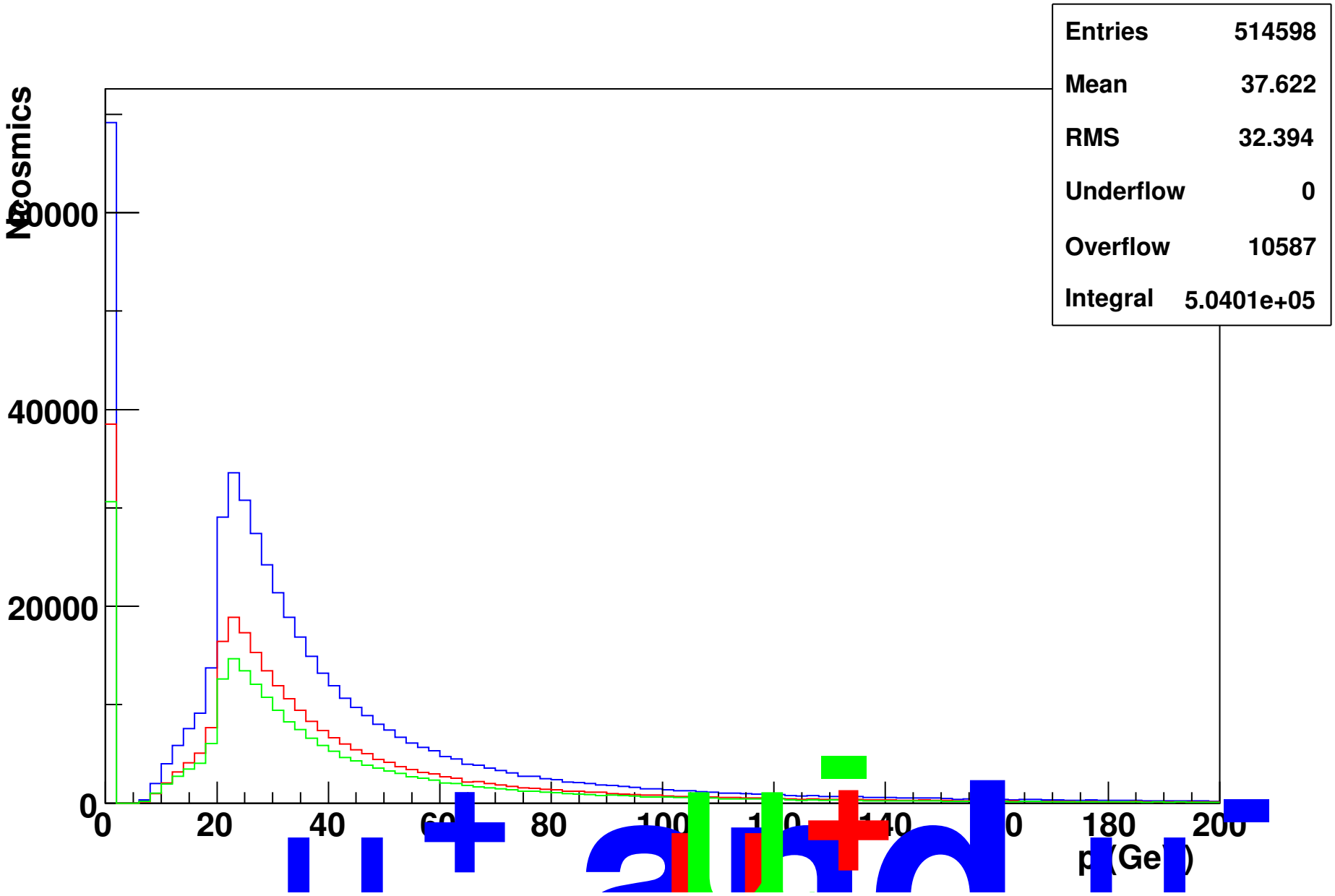

Entries 514598
Mean 1.5266
RMS 9.6567
Underflow 69557
Overflow 192
Integral 4.4485e+05
number of cosmics
30000
20000
10000
0
-30
-20
-10
0
10
20
30
t0 (ns)


Entries 514598
Mean 0.0010825
RMS 0.32371
Underflow 71039
Overflow 1892
Integral 4.4167e+05
number of cosmics
20000
10000
0
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
cot θ

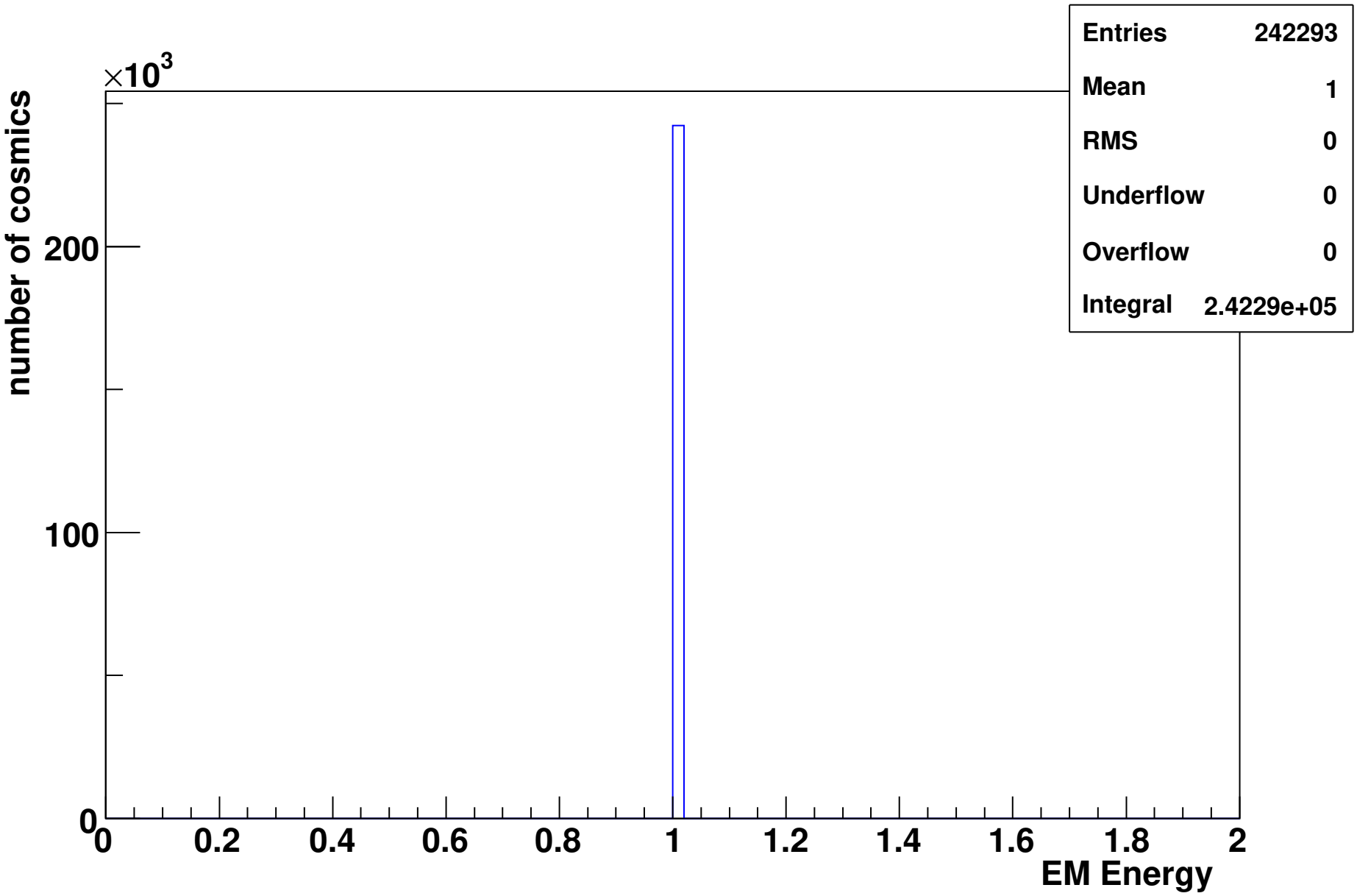

Entries 514598
Mean -0.89003
RMS 74.162
Underflow 69143
Overflow 0
Integral 4.4546e+05
number of cosmics
0
2000
4000
6000
-150
-100
-50
0
50
100
150
z_0 (cm)

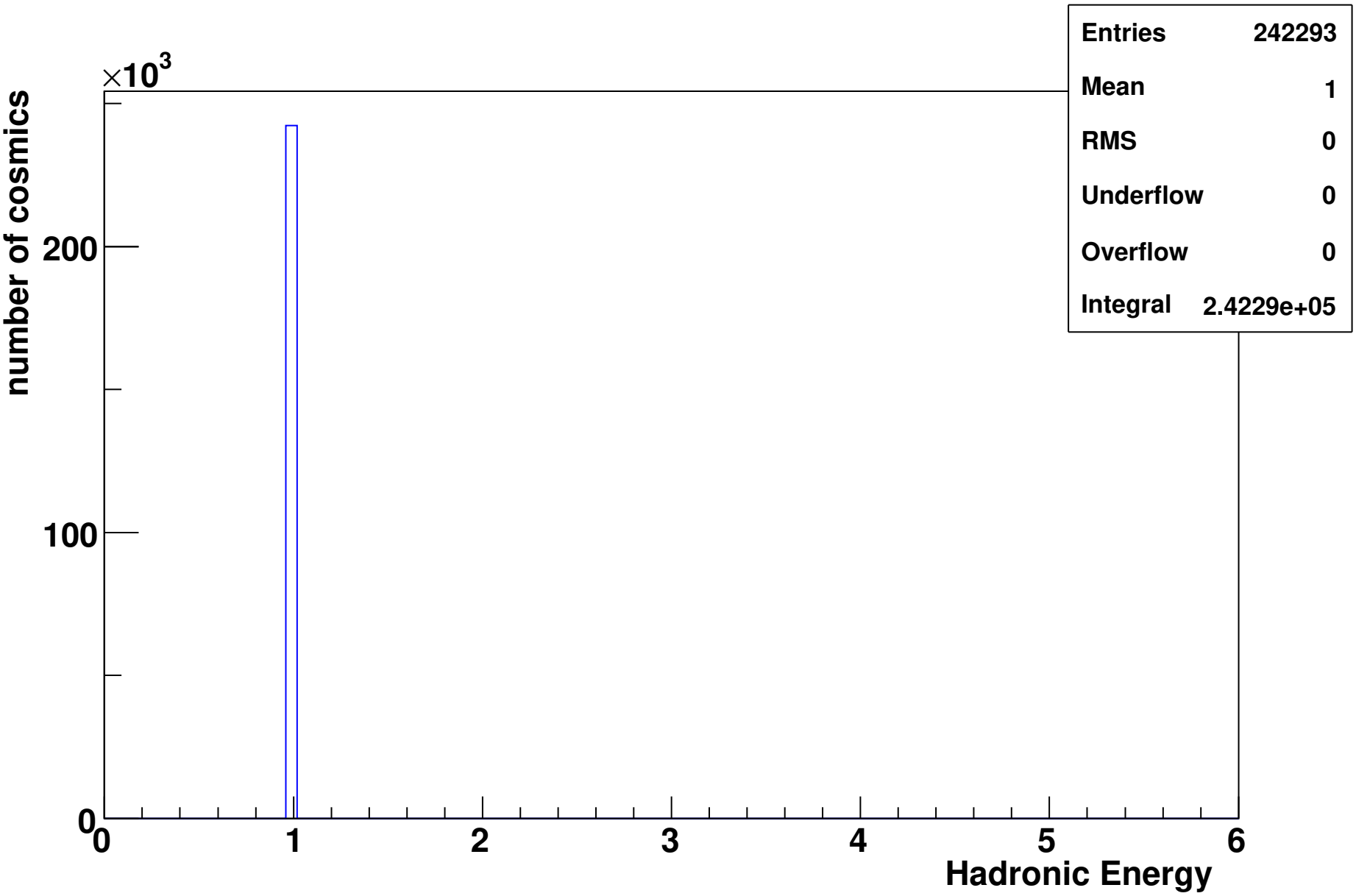

Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0
number of tracks
1
0.5
0
0
20
40
60
80
100
120
140
160
180
200
p (GeV)

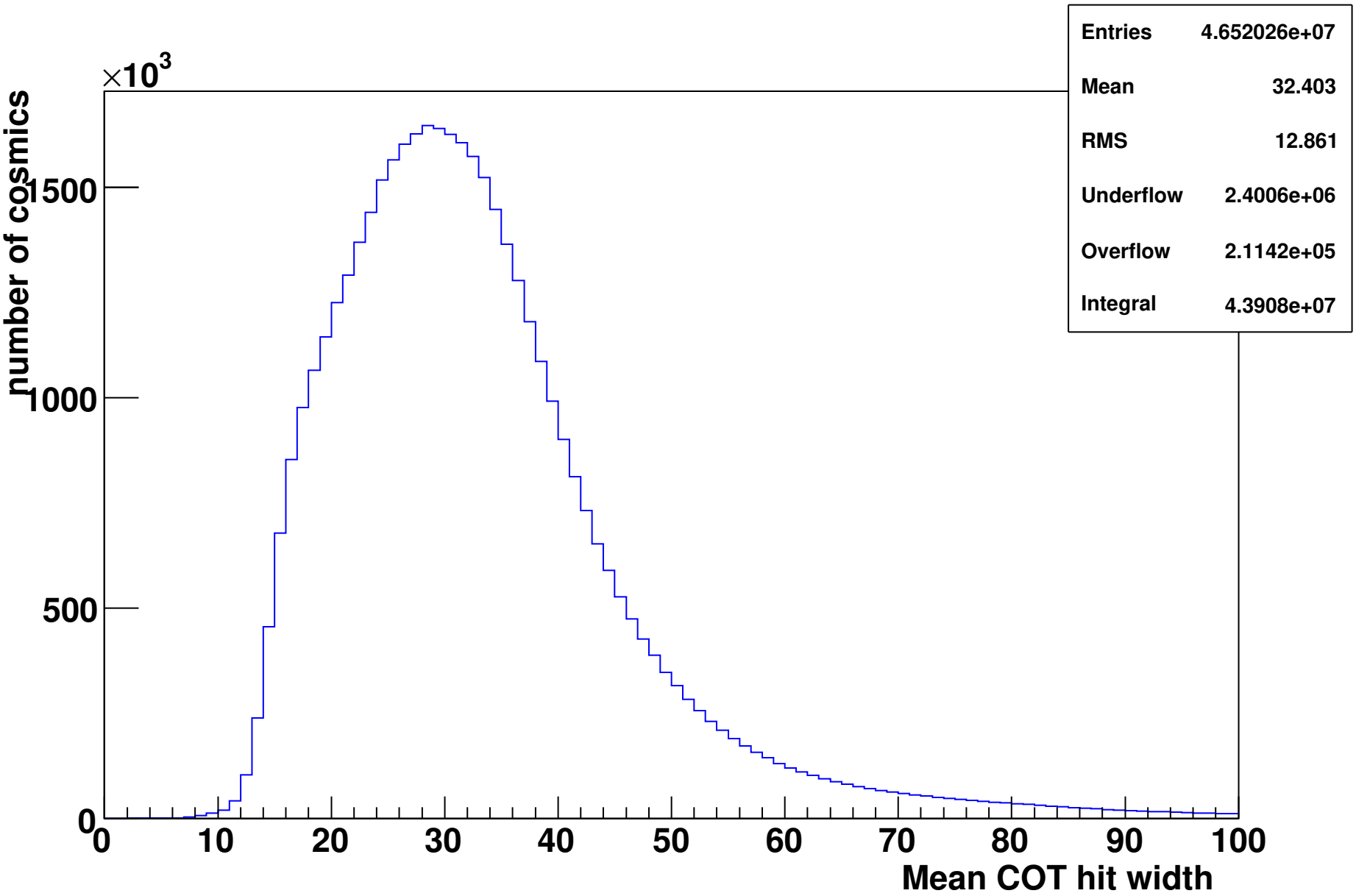

Entries 514598
Mean 36.103
RMS 31.51
Underflow 0
Overflow 9494
Integral 5.051e+05
N cosmics
60000
40000
20000
0
0
20
40
60
80
100
120
140
160
180
200
p_T (GeV)

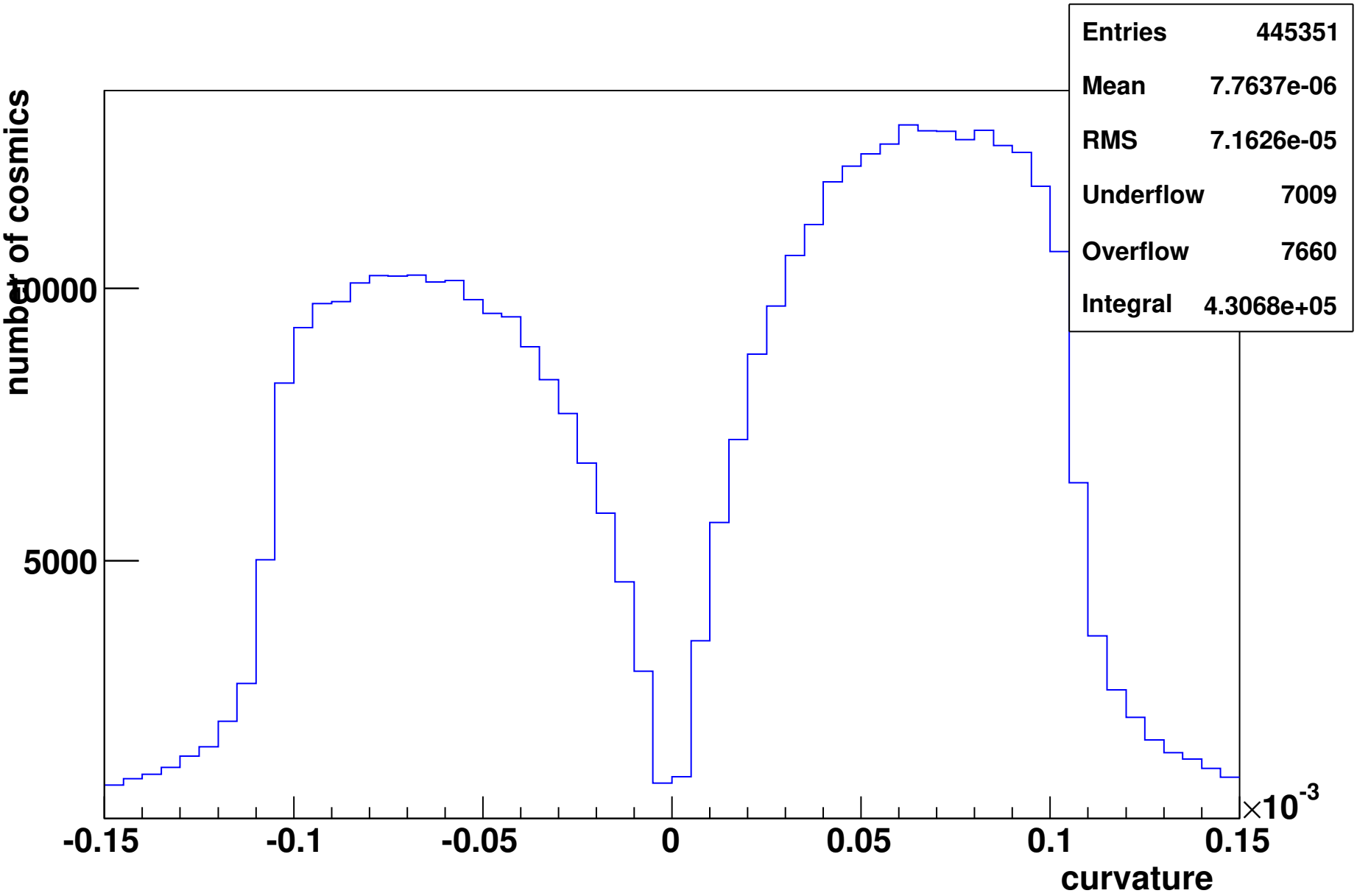


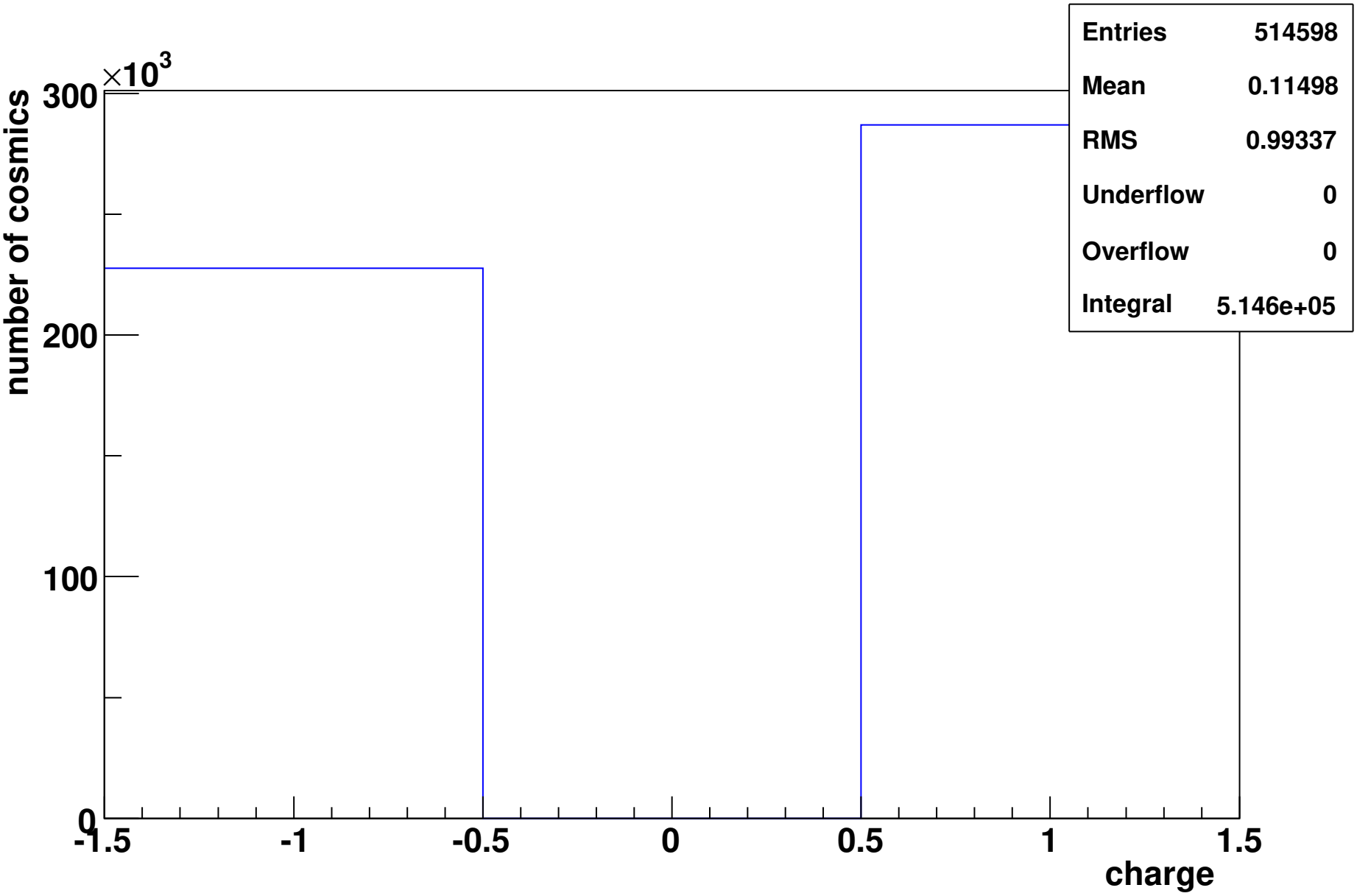
Entries 514598
Mean 37.622
RMS 32.394
Underflow 0
Overflow 10587
Integral 5.0401e+05
Ncosmics
60000
40000
20000
0
0
20
40
60
80
100
120
140
160
180
200
p (GeV)

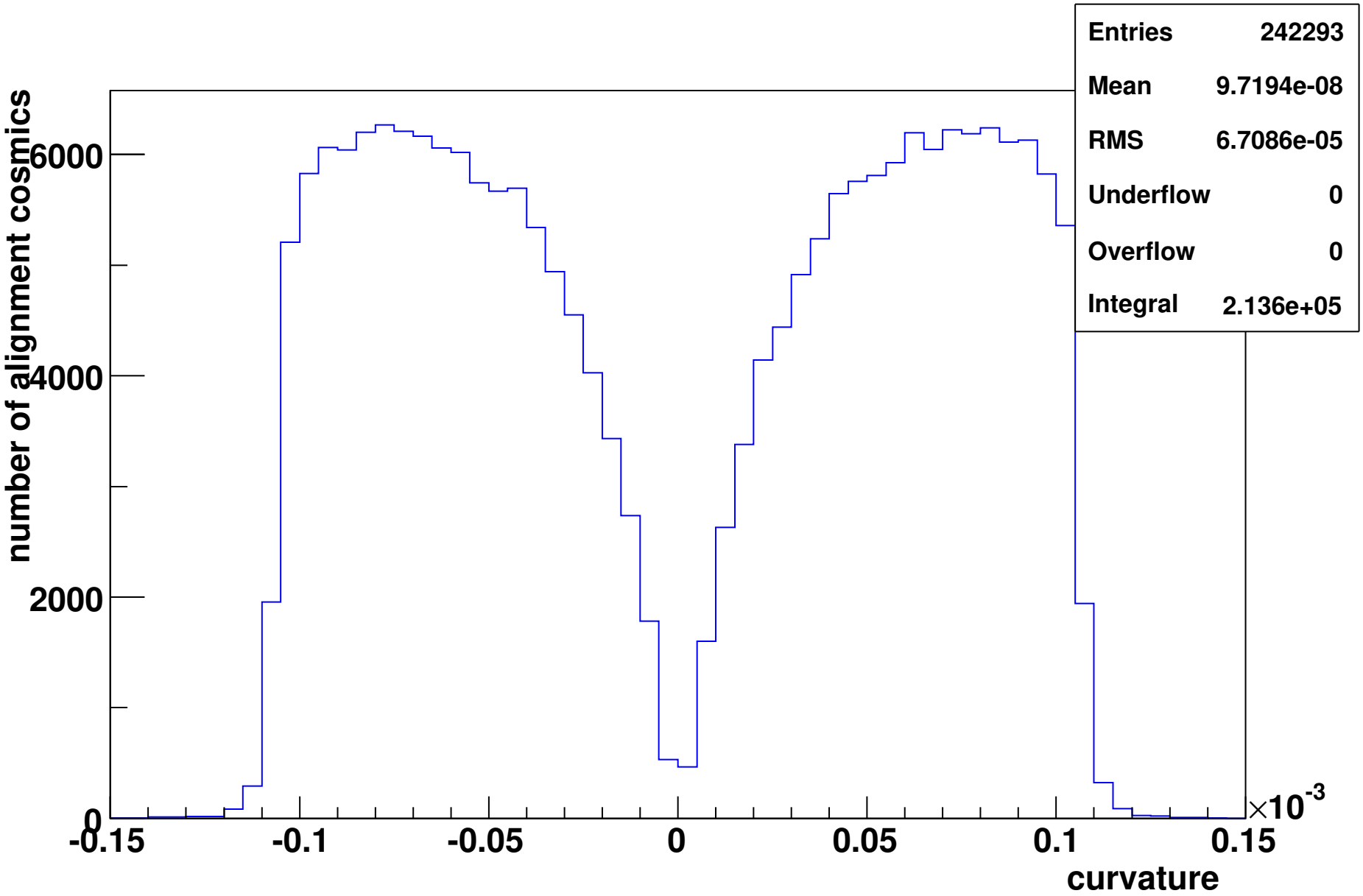

Entries 242293
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.4229e+05
×10^3
number of cosmics
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
EM Energy

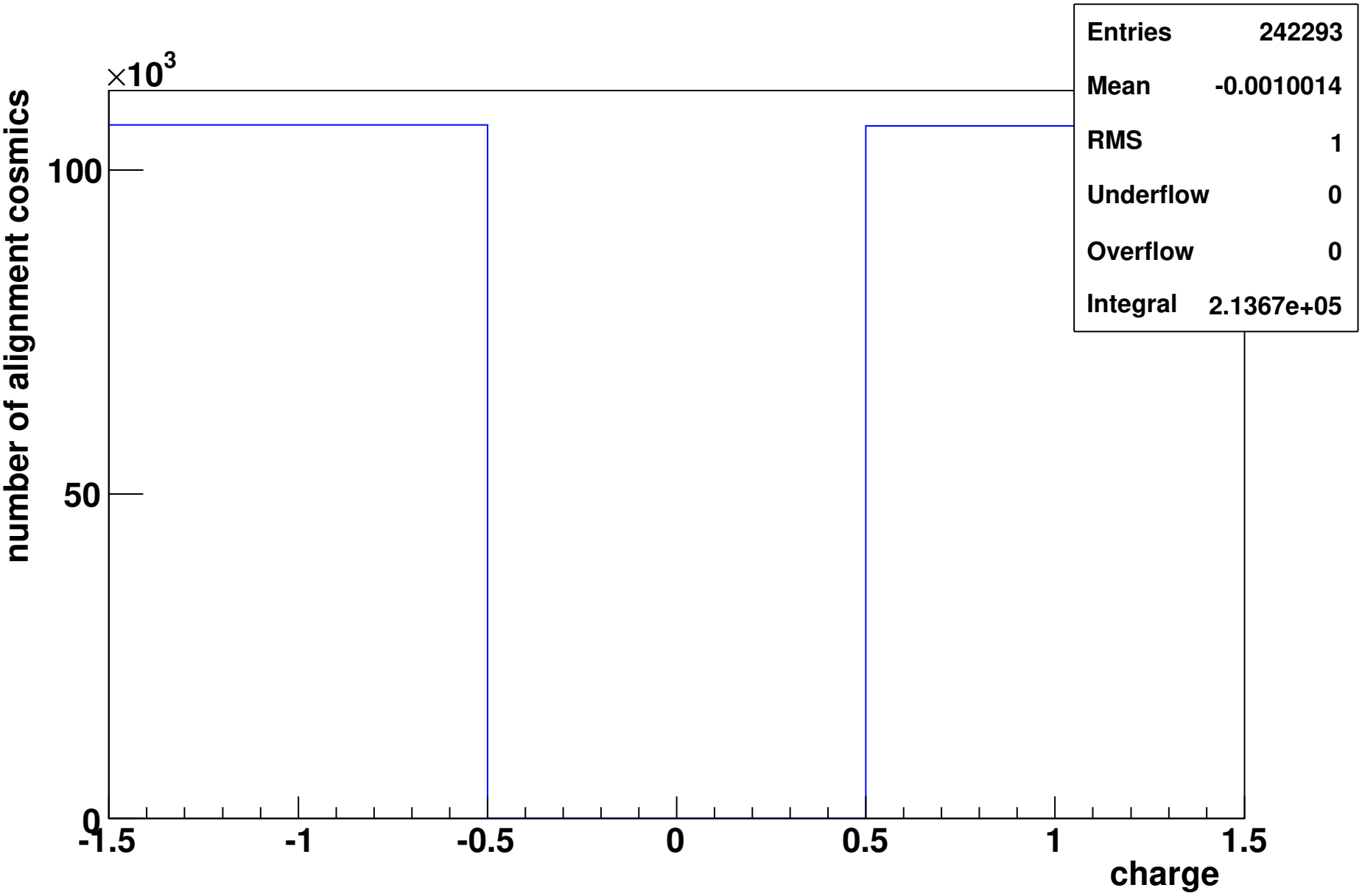

Entries 242293
Mean 1
RMS 0
Underflow 0
Overflow 0
Integral 2.4229e+05
×10^3
number of cosmics
200
100
0
0
1
2
3
4
5
6
Hadronic Energy

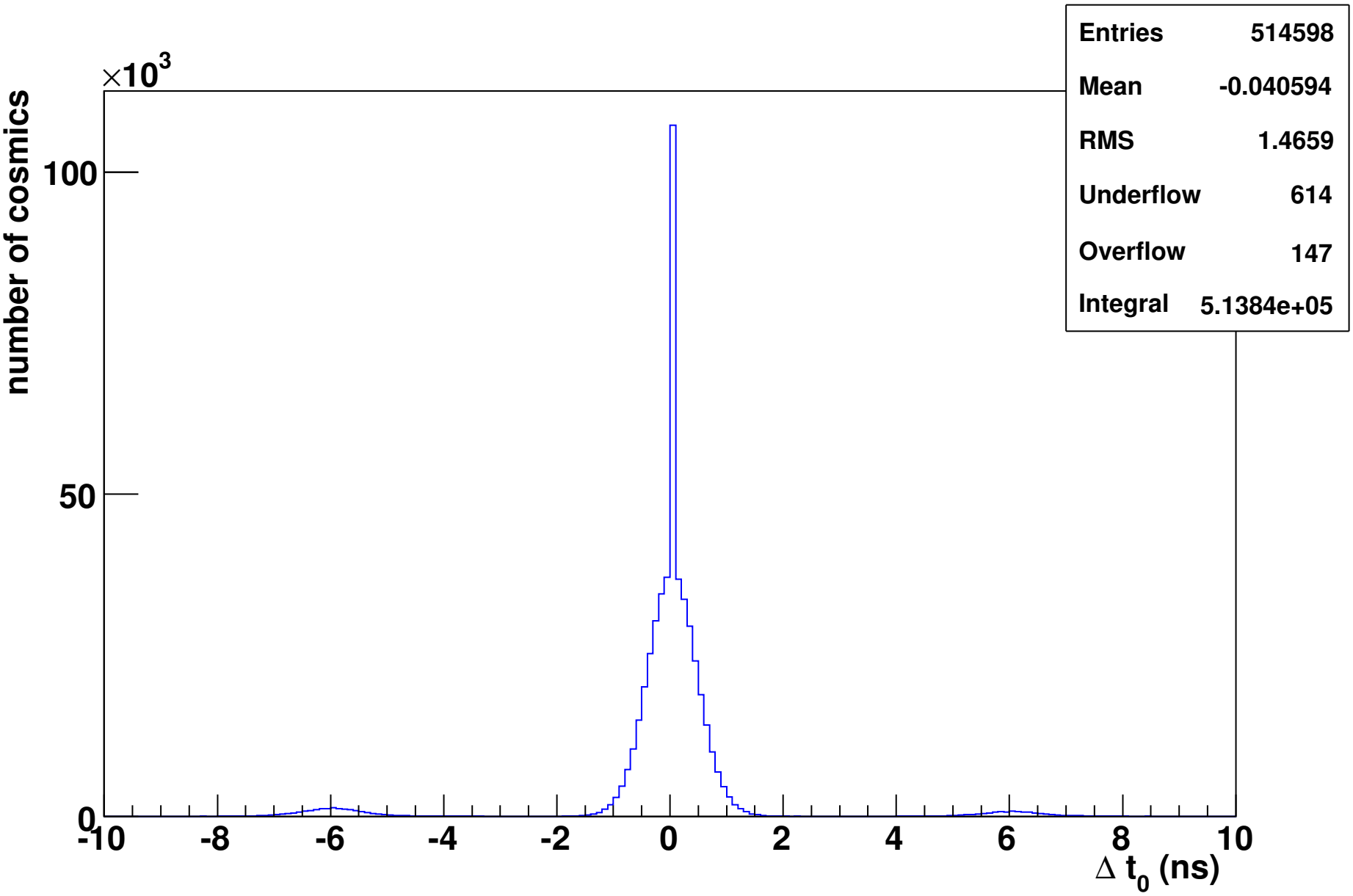

Entries 4.652026e+07
Mean 32.403
RMS 12.861
Underflow 2.4006e+06
Overflow 2.1142e+05
Integral 4.3908e+07
×10^3
number of cosmics
1500
1000
500
0
0
10
20
30
40
50
60
70
80
90
100
Mean COT hit width

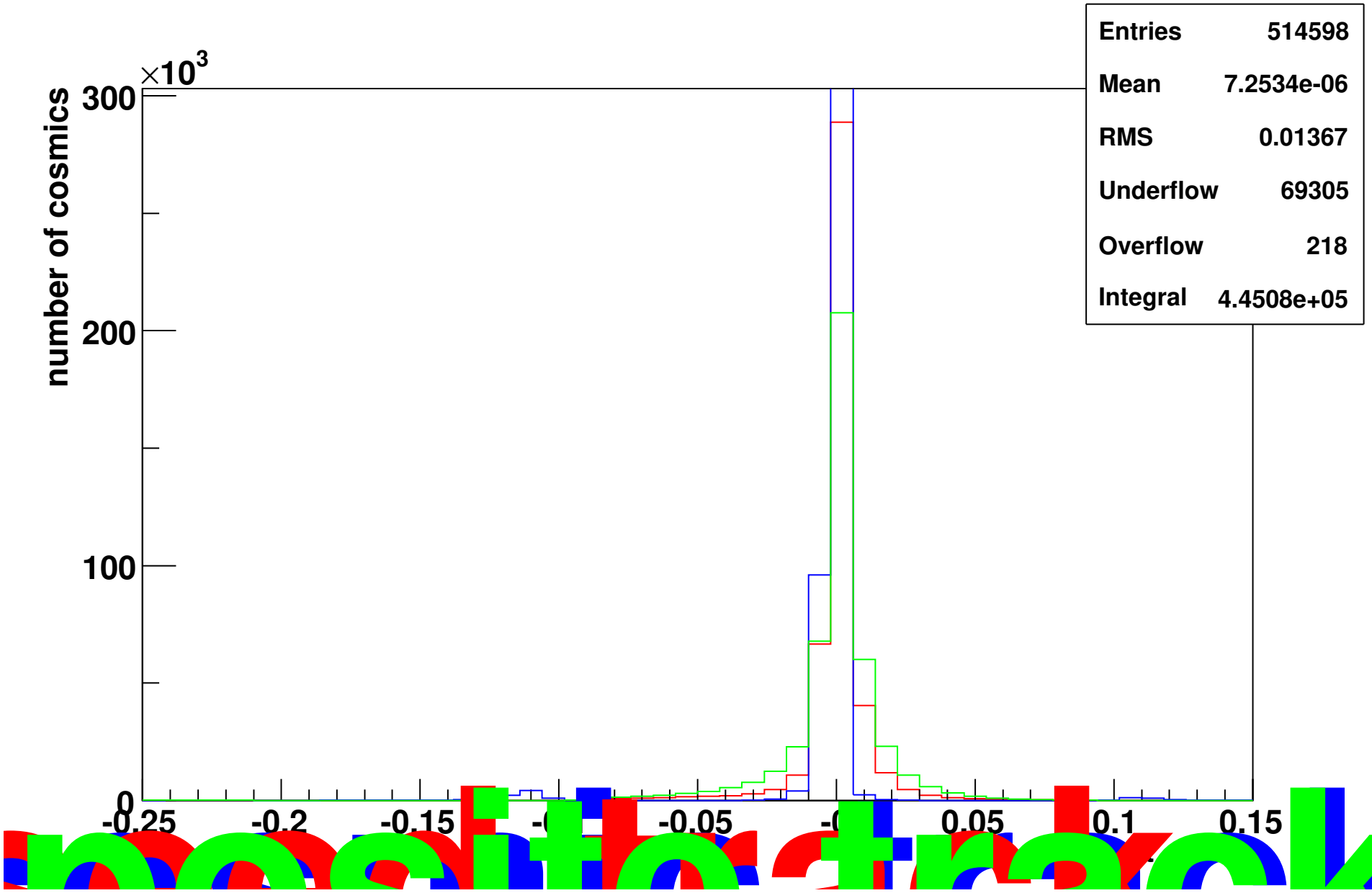

Entries 445351
Mean 7.7637e-06
RMS 7.1626e-05
Underflow 7009
Overflow 7660
Integral 4.3068e+05
number of cosmics
10000
5000
-0.15
-0.1
-0.05
0
0.05
0.1
0.15
×10^-3
curvature

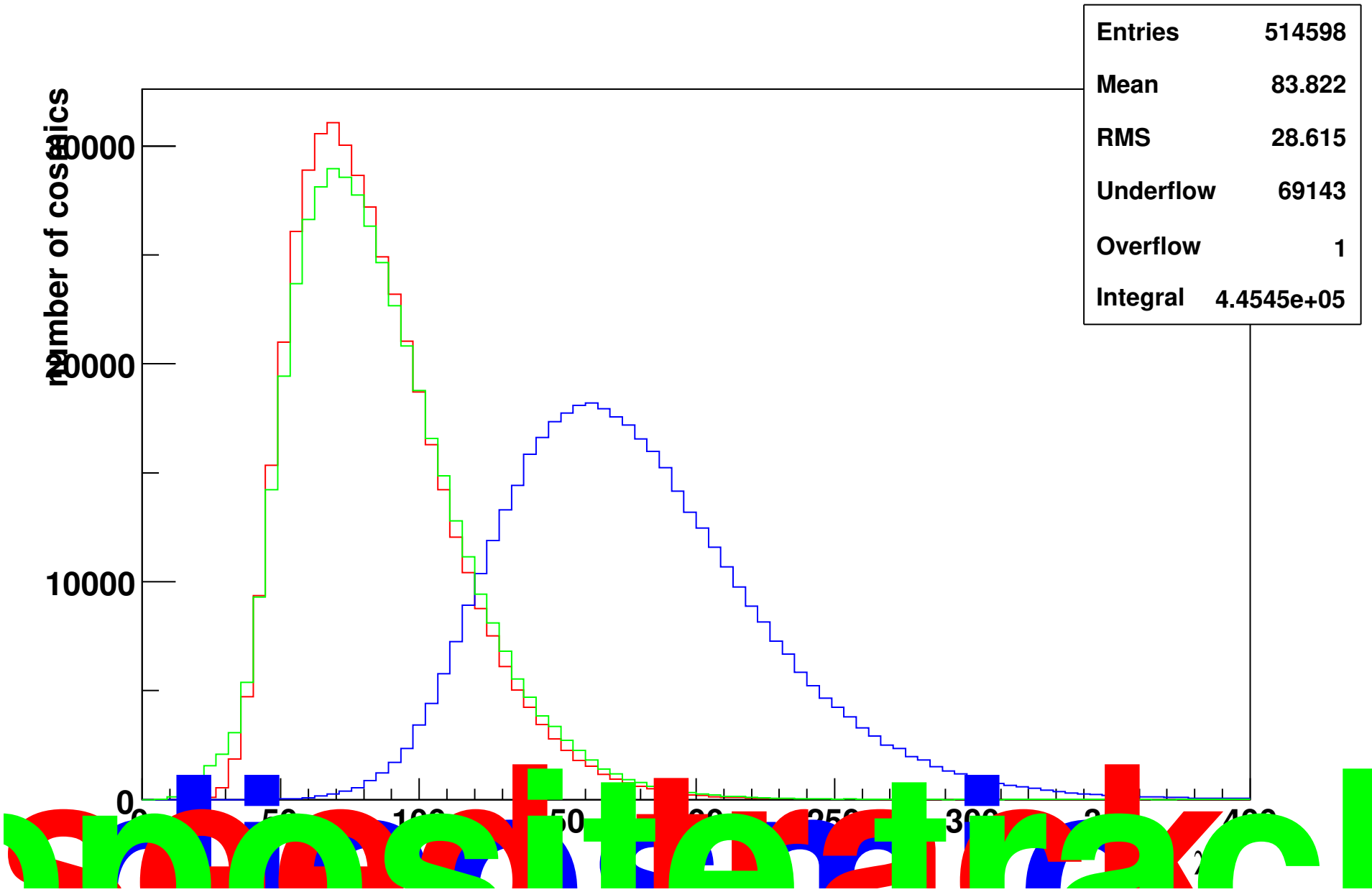

Entries 514598
Mean 0.11498
RMS 0.99337
Underflow 0
Overflow 0
Integral 5.146e+05
×10^3
300
200
100
0
number of cosmics
-1.5
-1
-0.5
0
0.5
1
1.5
charge


Entries 242293
Mean 9.7194e-08
RMS 6.7086e-05
Underflow 0
Overflow 0
Integral 2.136e+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

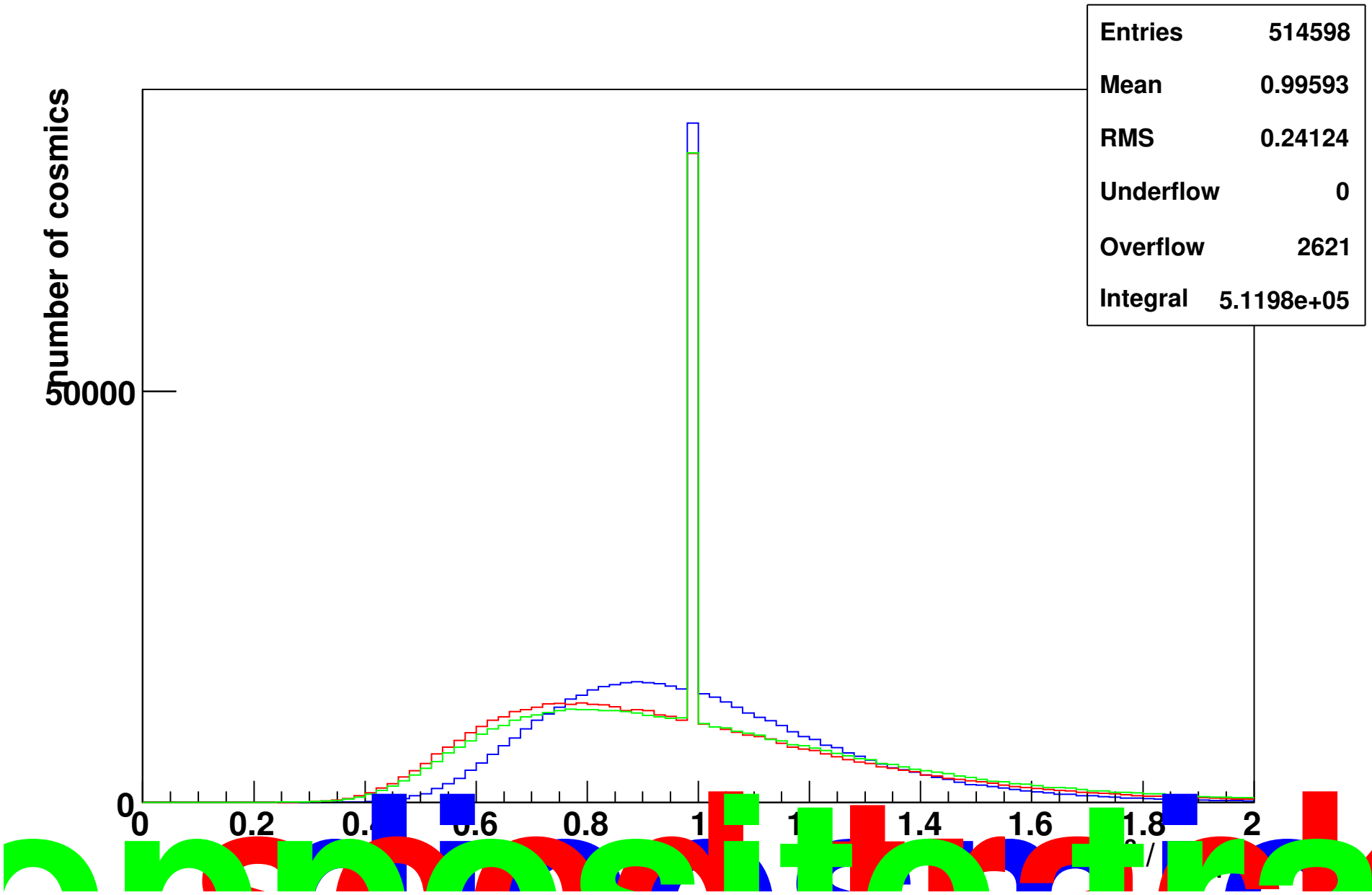

Entries 242293
Mean -0.0010014
RMS 1
Underflow 0
Overflow 0
Integral 2.1367e+05
×10^3
number of alignment cosmics
100
50
0
-1.5
-1
-0.5
0
0.5
1
1.5
charge

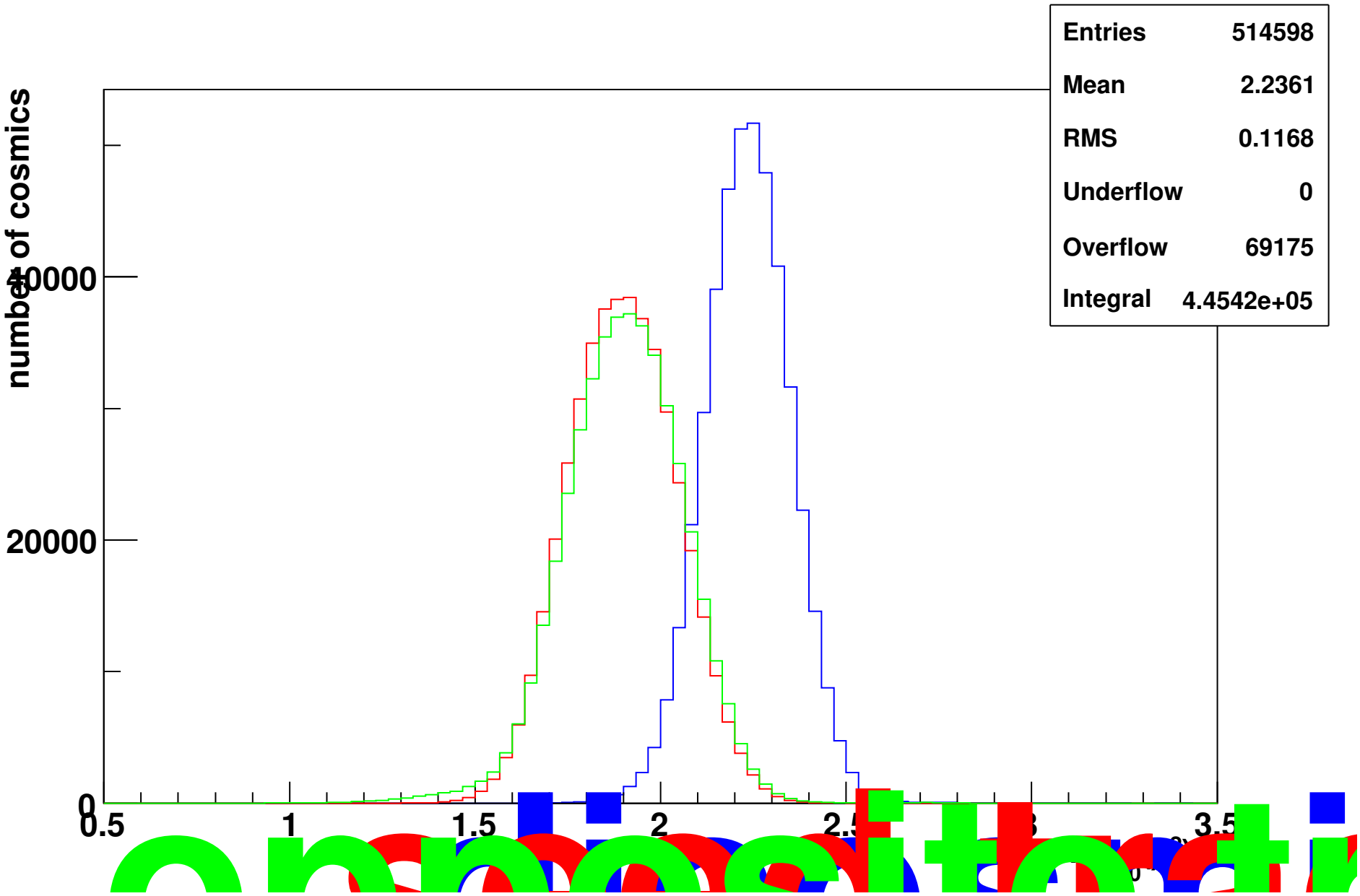

Entries 514598
Mean -0.040594
RMS 1.4659
Underflow 614
Overflow 147
Integral 5.1384e+05
×10^3
number of cosmics
100
50
0
-10
-8
-6
-4
-2
0
2
4
6
8
10
Δ t0 (ns)


Entries 514598
Mean 7.2534e-06
RMS 0.01367
Underflow 69305
Overflow 218
Integral 4.4508e+05
number of cosmics
×10^3
300
200
100
0
-0.25
-0.2
-0.15
-0.05
0.05
0.1
0.15

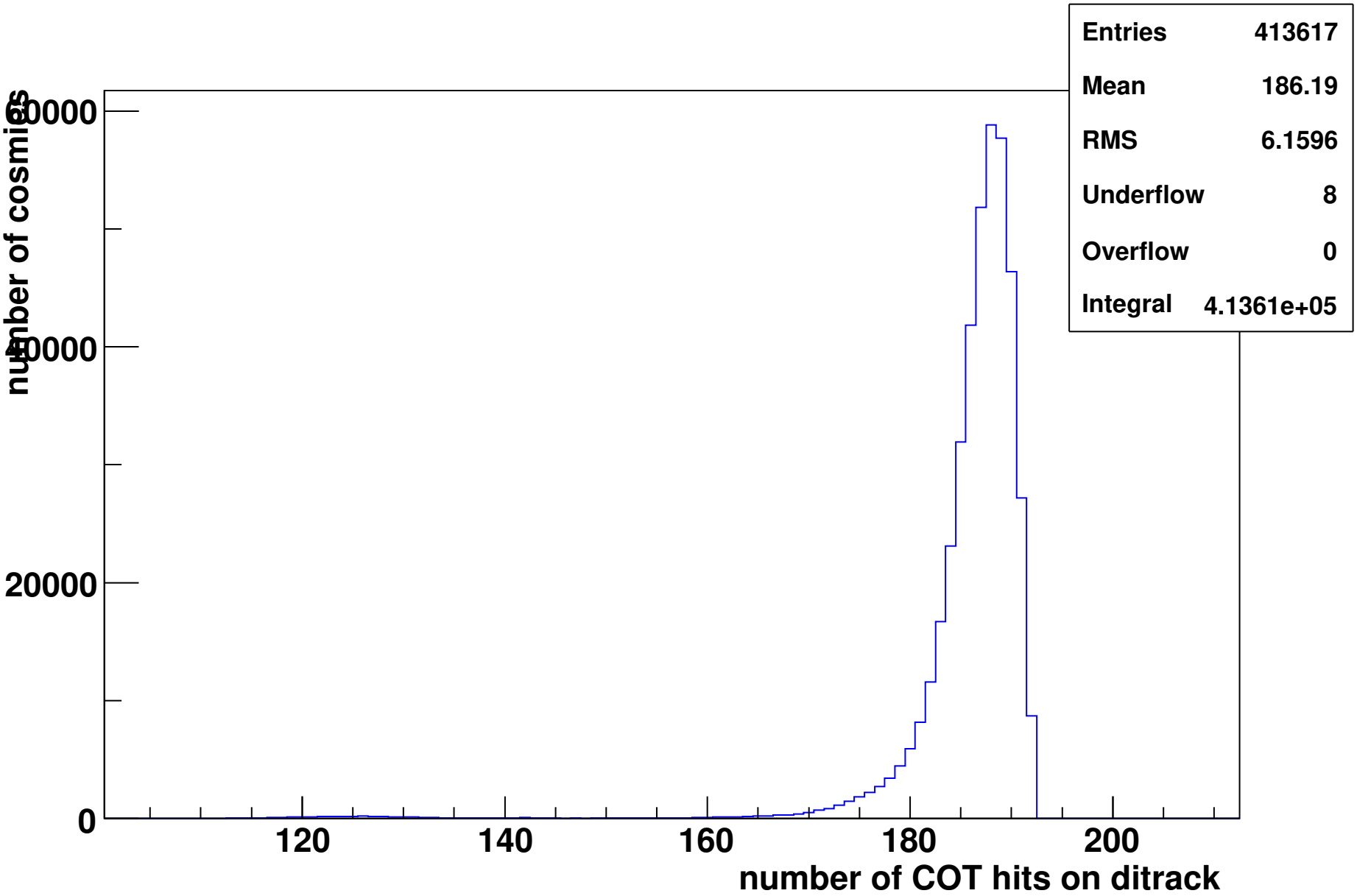


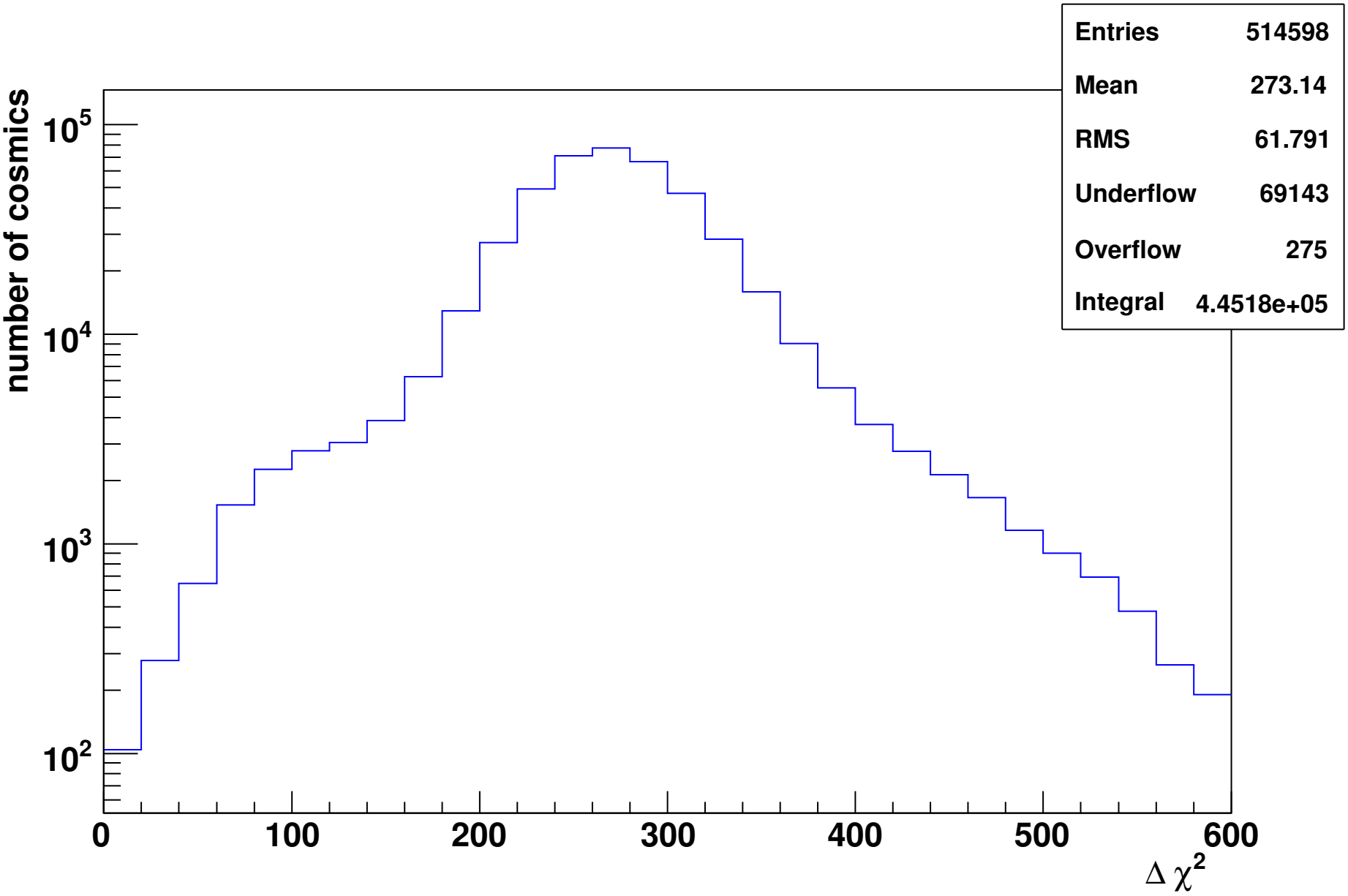
constantaraki

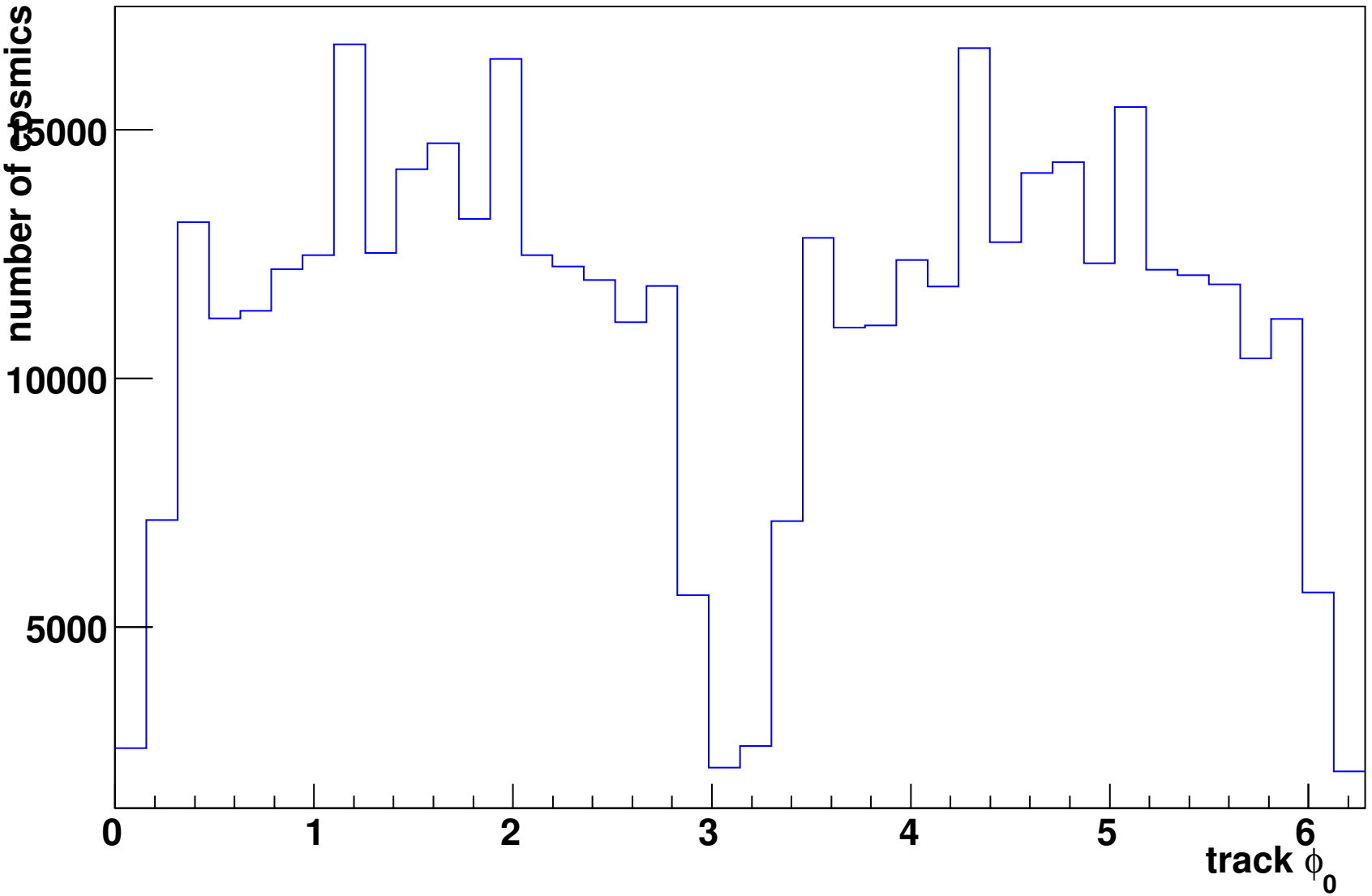

Entries 514598
Mean 0.99593
RMS 0.24124
Underflow 0
Overflow 2621
Integral 5.1198e+05
number of cosmics
50000
0
0
0.2
0.6
0.8
1.4
1.6
1.8
2

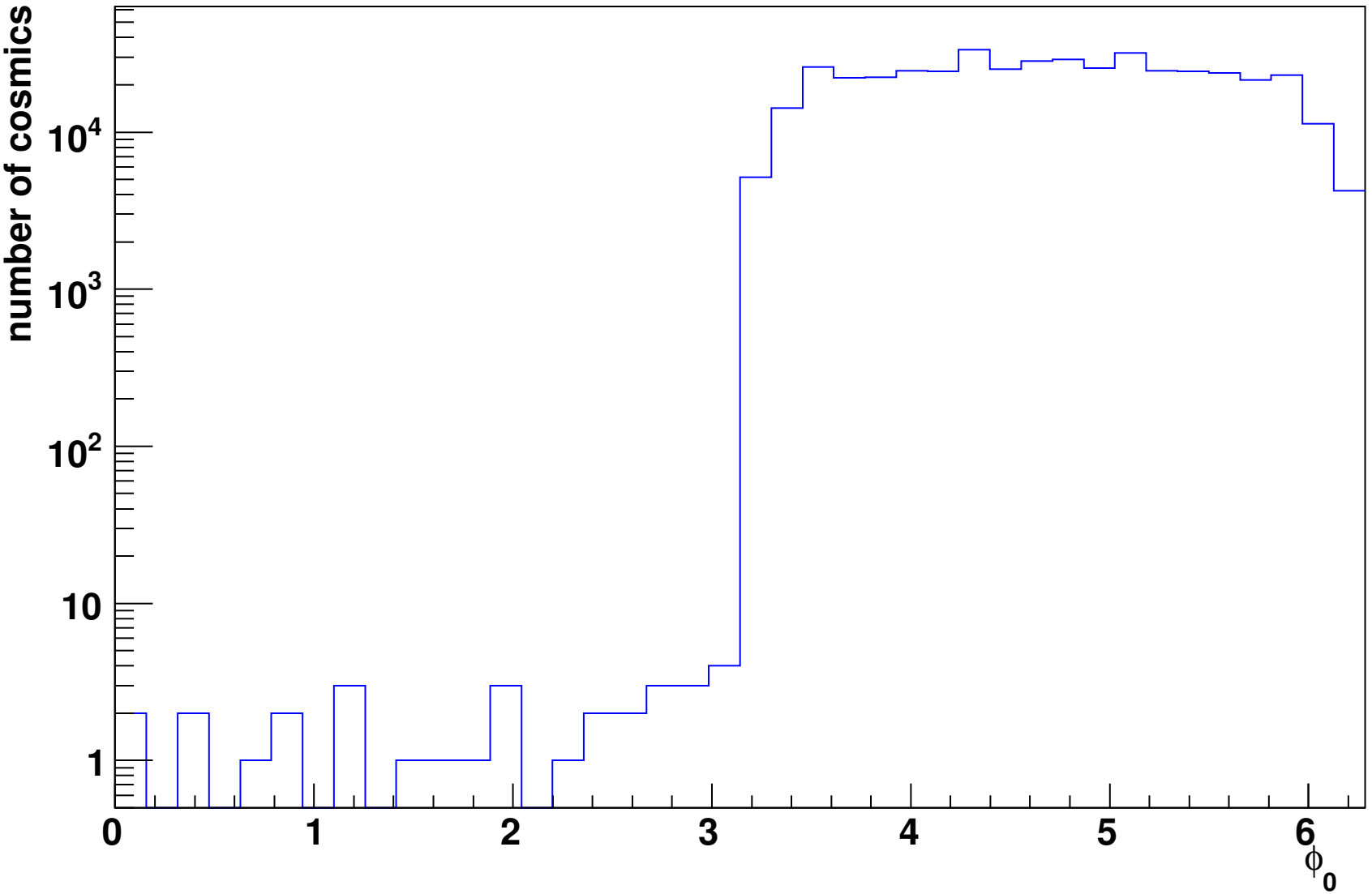

Entries 514598
Mean 2.2361
RMS 0.1168
Underflow 0
Overflow 69175
Integral 4.4542e+05
number of cosmics
40000
20000
0
0.5
1
1.5
2
2.5
3.5

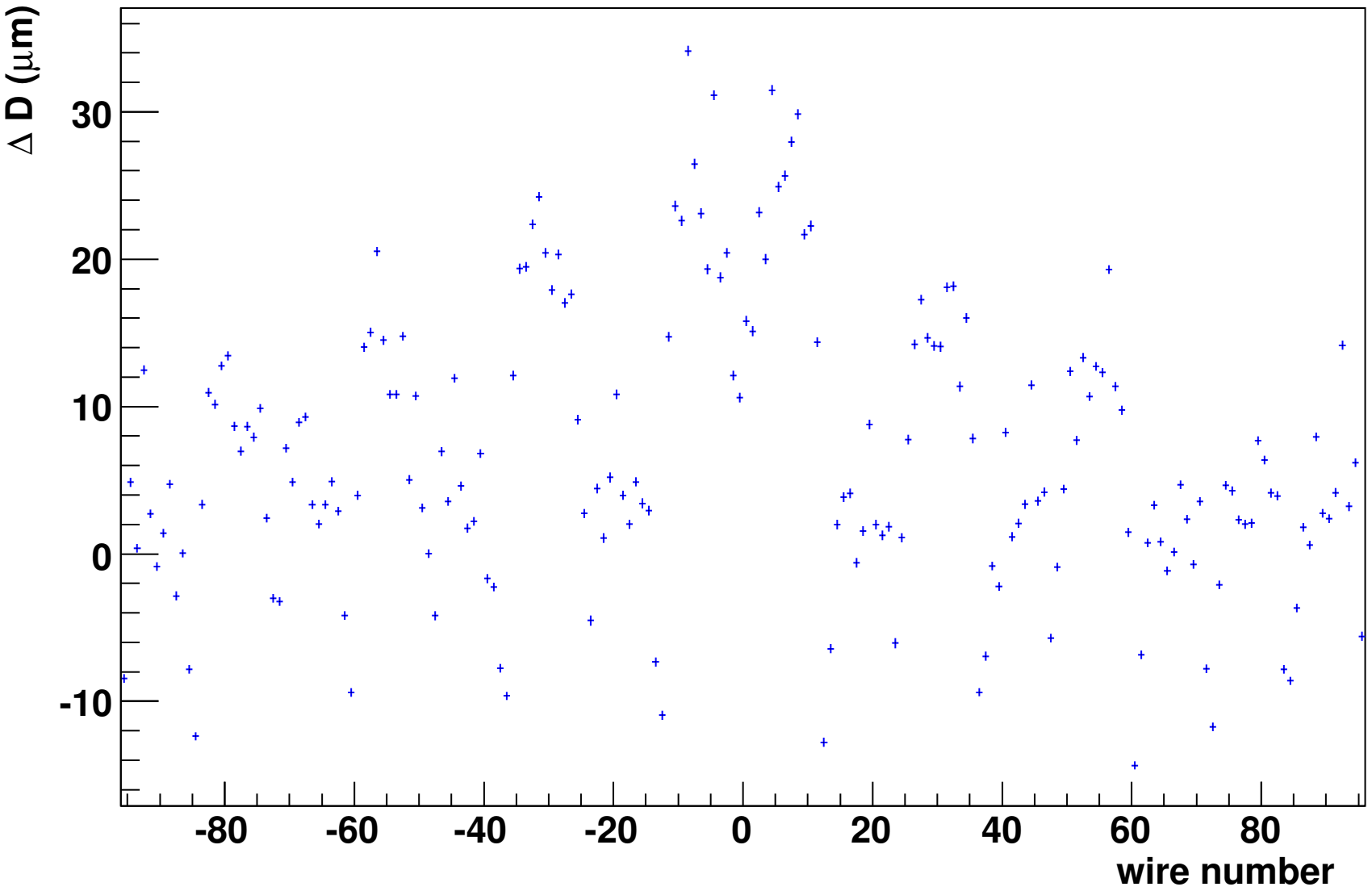
Entries 514598
number of ditracks
10^5
10^4
10^3
10^2
-0.5
0
0.5
1
1.5
2
2.5
3
4
4.5
ditrack type

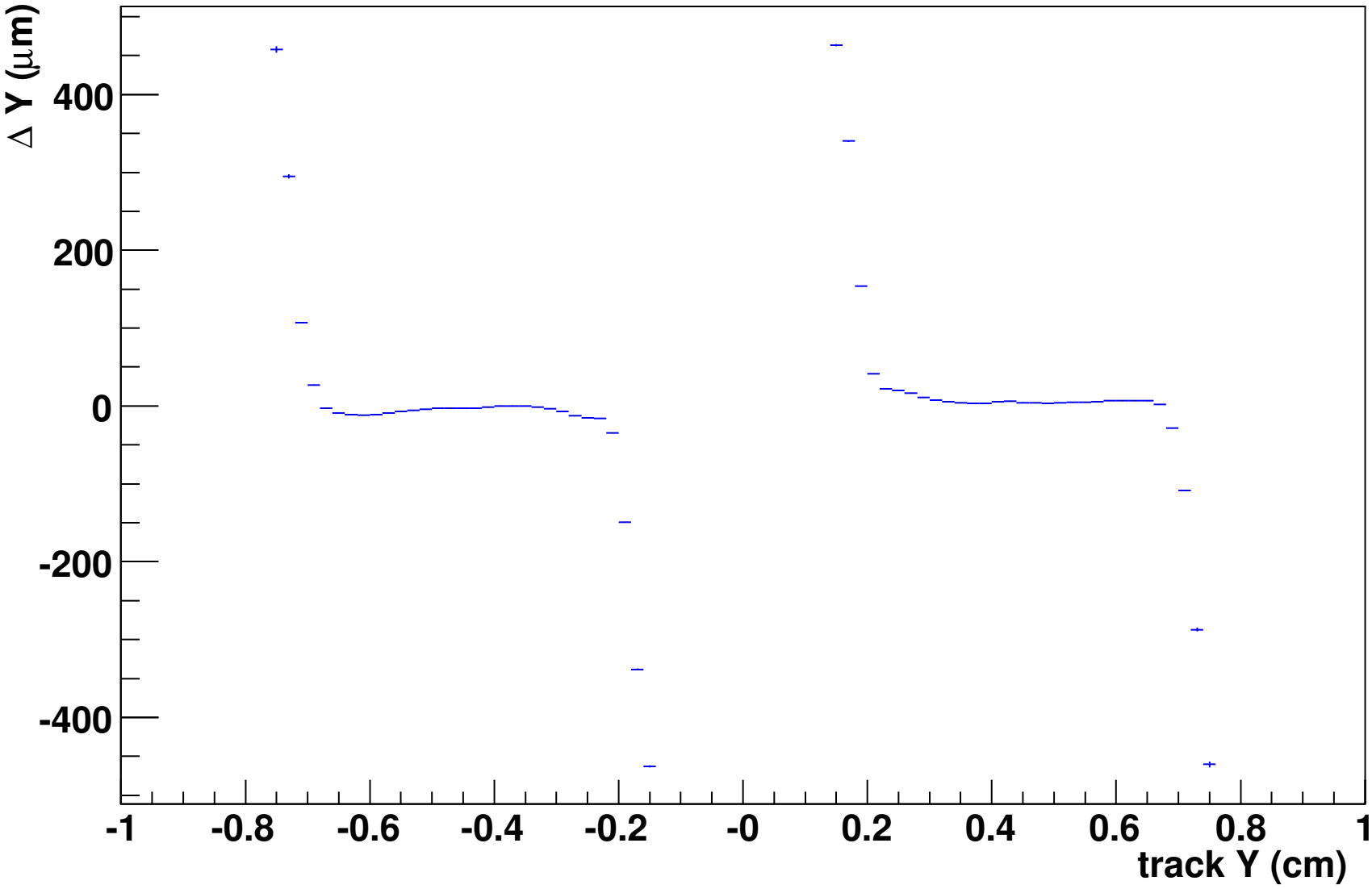

Entries 413617
Mean 186.19
RMS 6.1596
Underflow 8
Overflow 0
Integral 4.1361e+05
number of cosmics
40000
20000
0
120
140
160
180
200
number of COT hits on ditrack

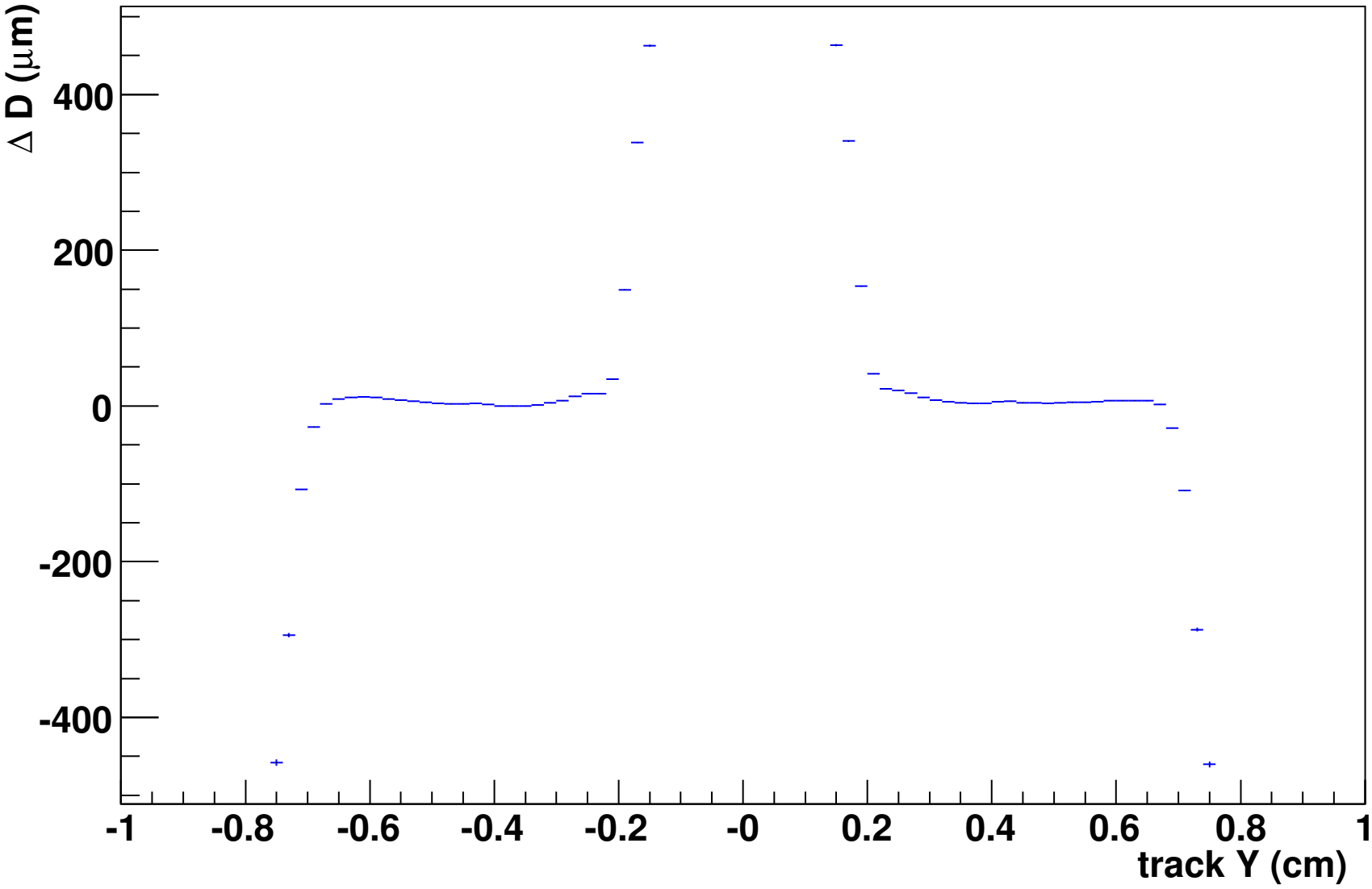

Entries 514598
Mean 273.14
RMS 61.791
Underflow 69143
Overflow 275
Integral 4.4518e+05
number of cosmics
10^5
10^4
10^3
10^2
0
100
200
300
400
500
600
$\Delta\ \chi^2$

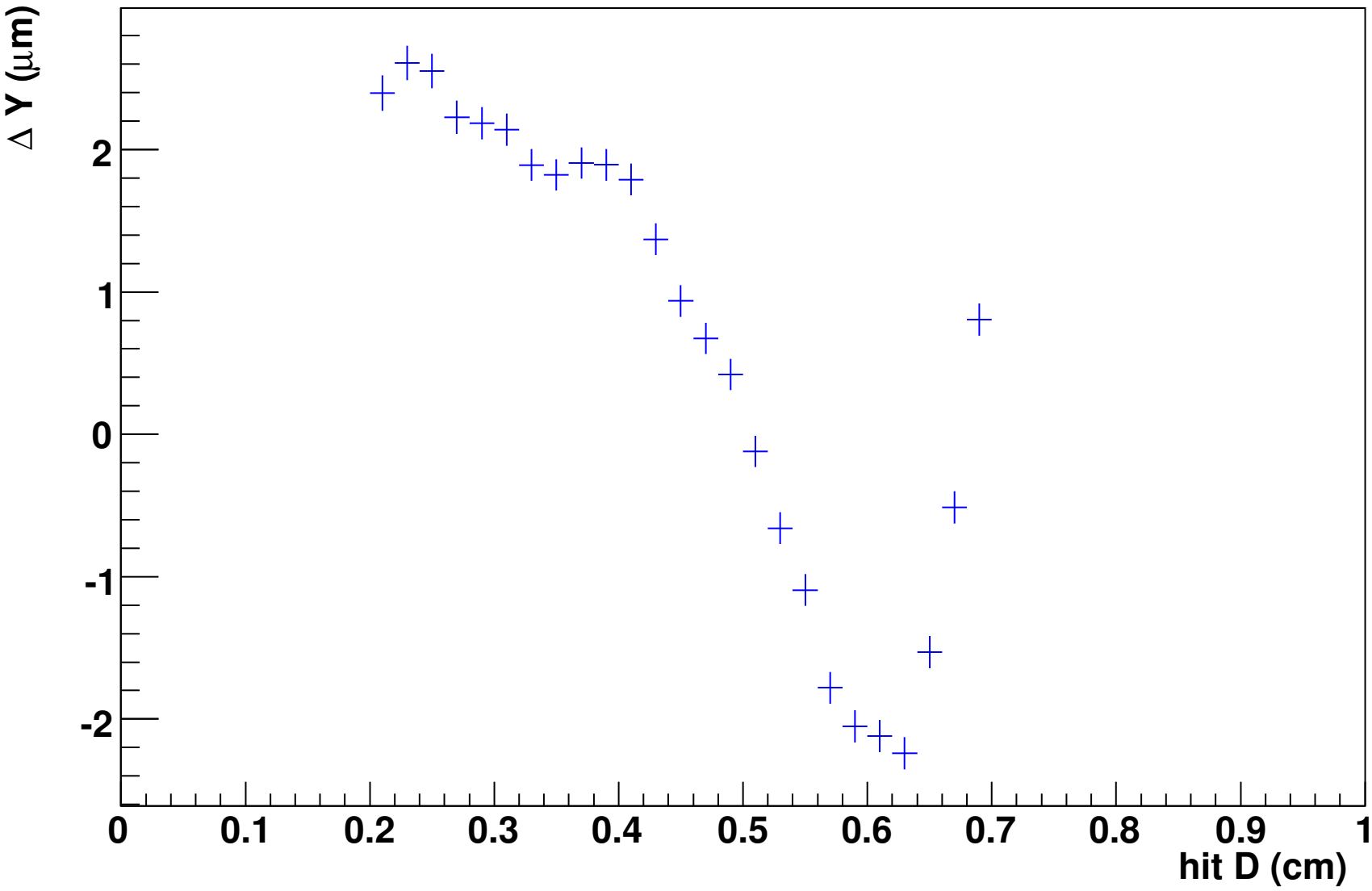

number of cosmics
15000
10000
5000
0
1
2
3
4
5
6
track ϕ_0

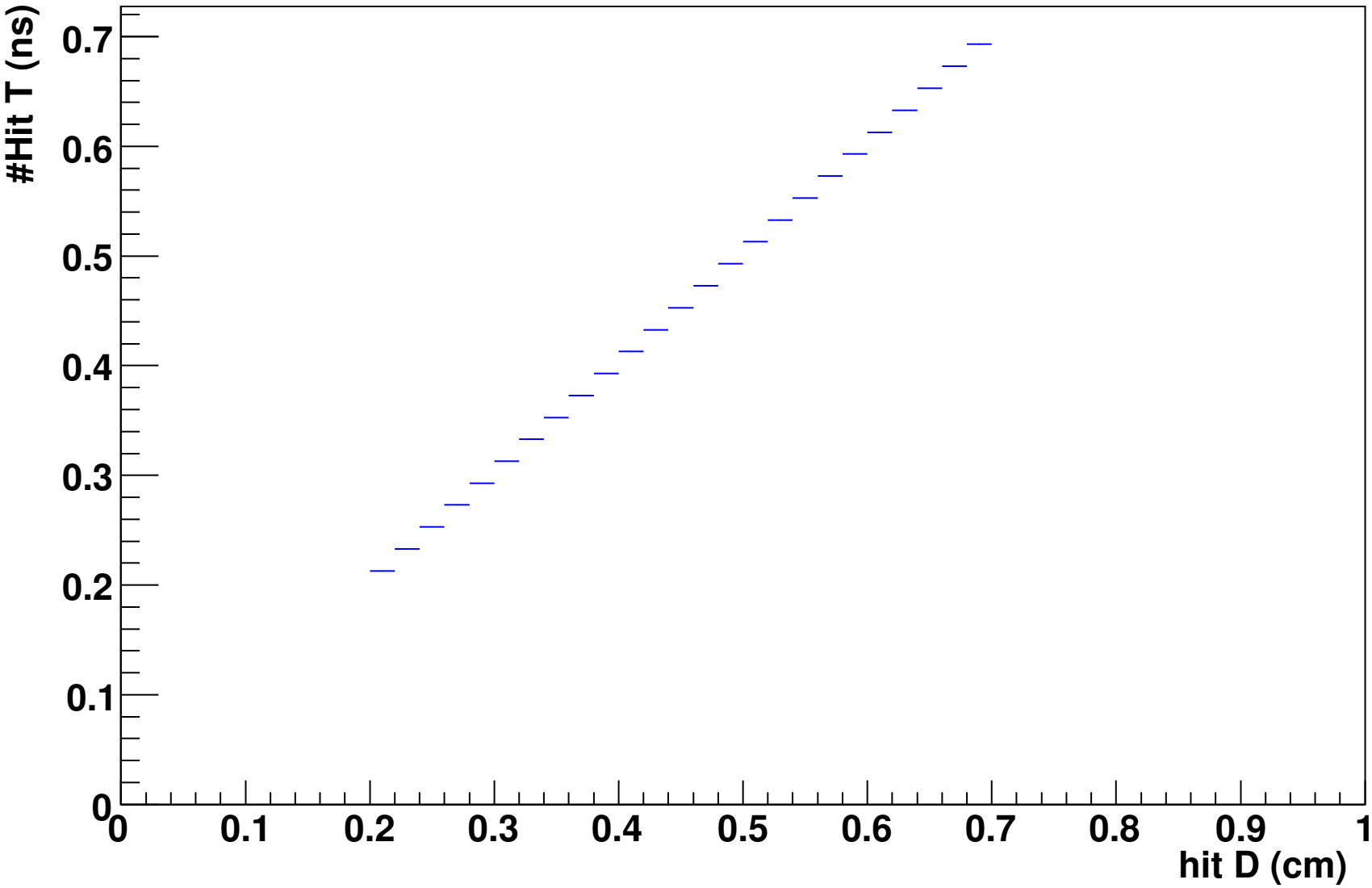

number of cosmics
10^4
10^3
10^2
10
1
0
1
2
3
4
5
6
ϕ_0

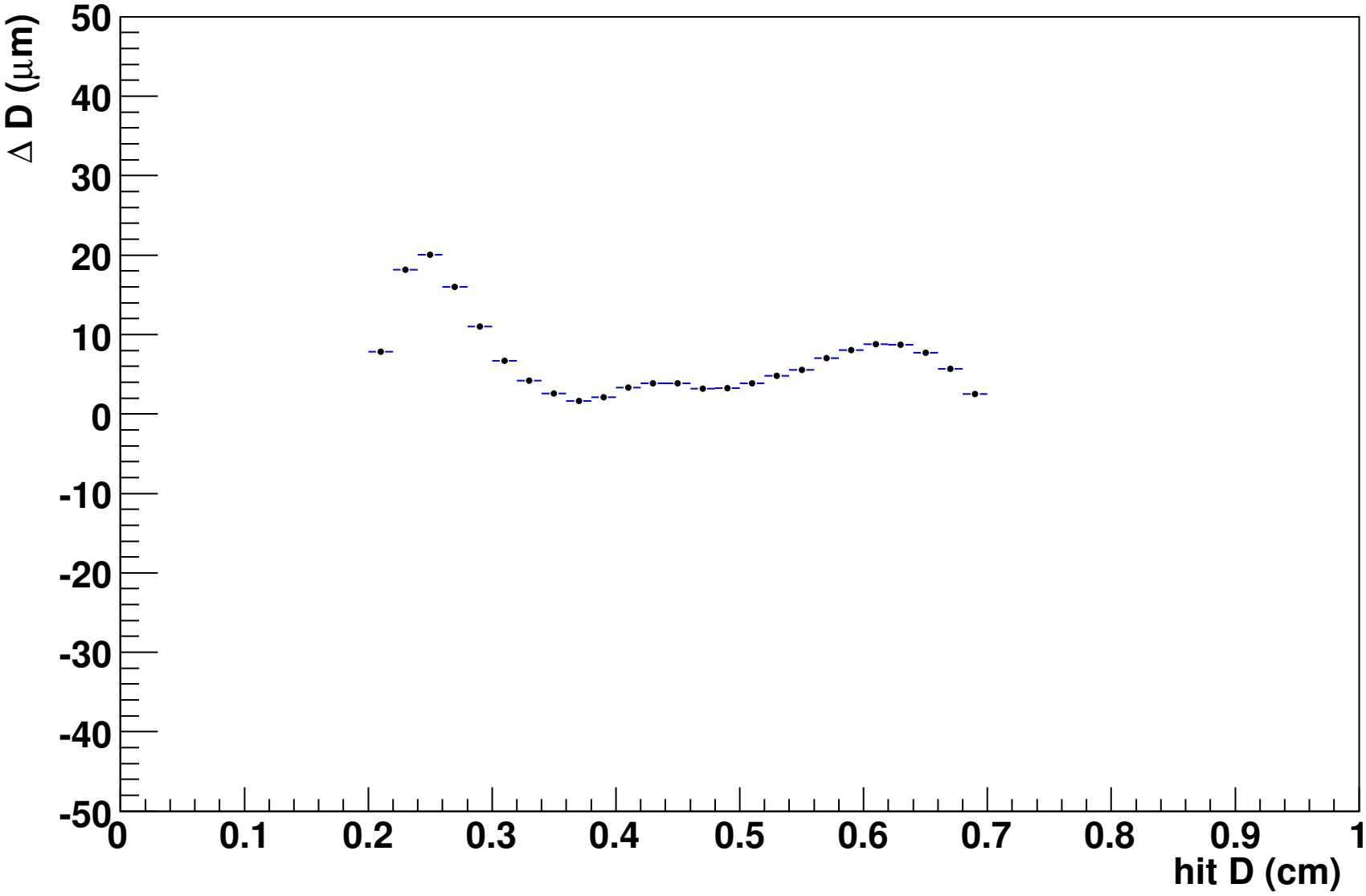

Δ D (μm)
30
20
10
0
-10
-80
-60
-40
-20
0
20
40
60
80
wire number

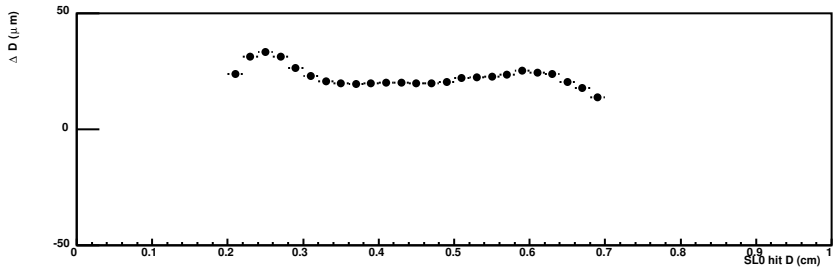

Δ Y (μm)
400
200
0
-200
-400
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)

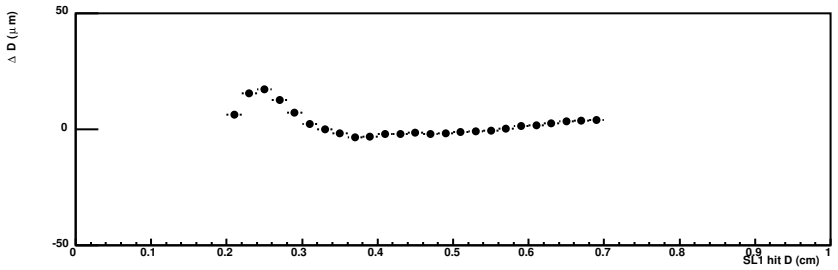

Δ D (μm)
400
200
0
-200
-400
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1
track Y (cm)

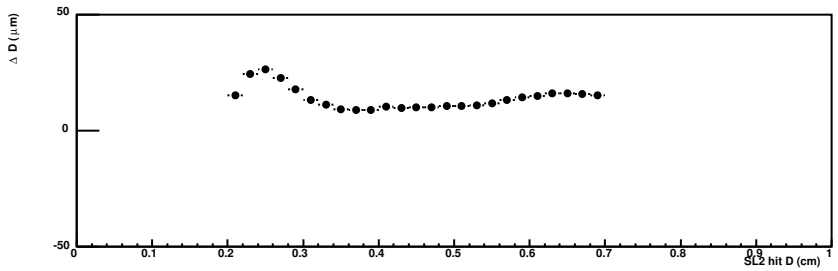

Δ Y (μm)
2
1
0
-1
-2
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

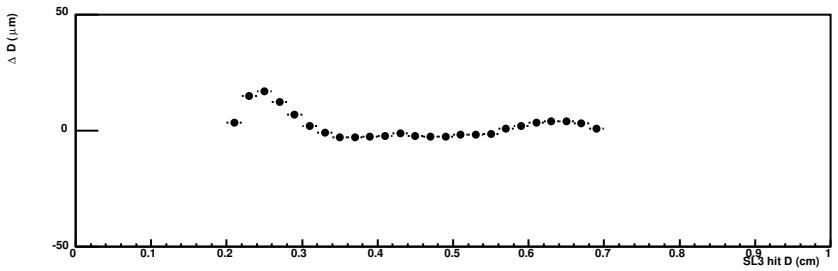

#Hit T (ns)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

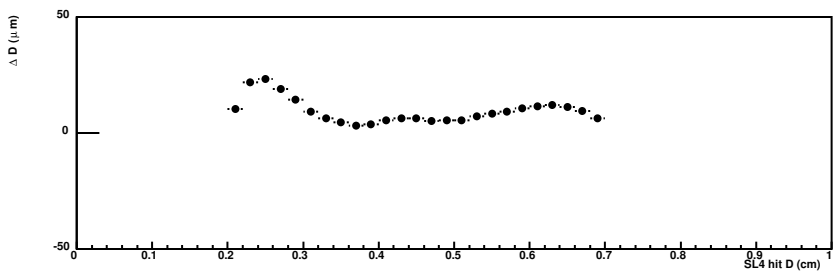

Δ D (μm)
50
40
30
20
10
0
-10
-20
-30
-40
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
hit D (cm)

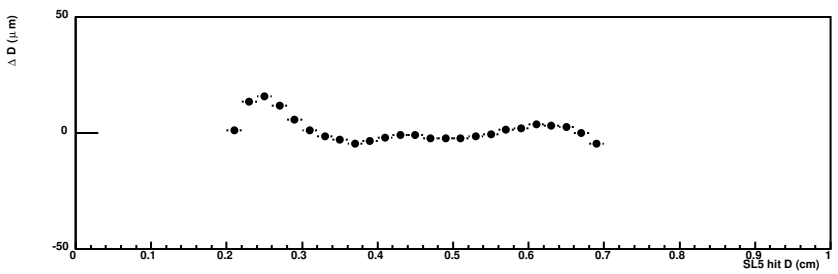

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL0 hit D (cm)

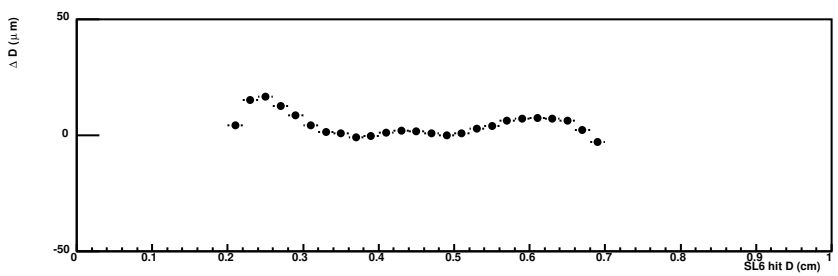

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL1 hit D (cm)

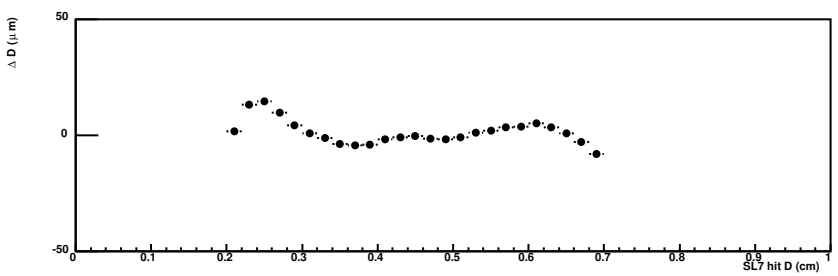

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL2 hit D (cm)

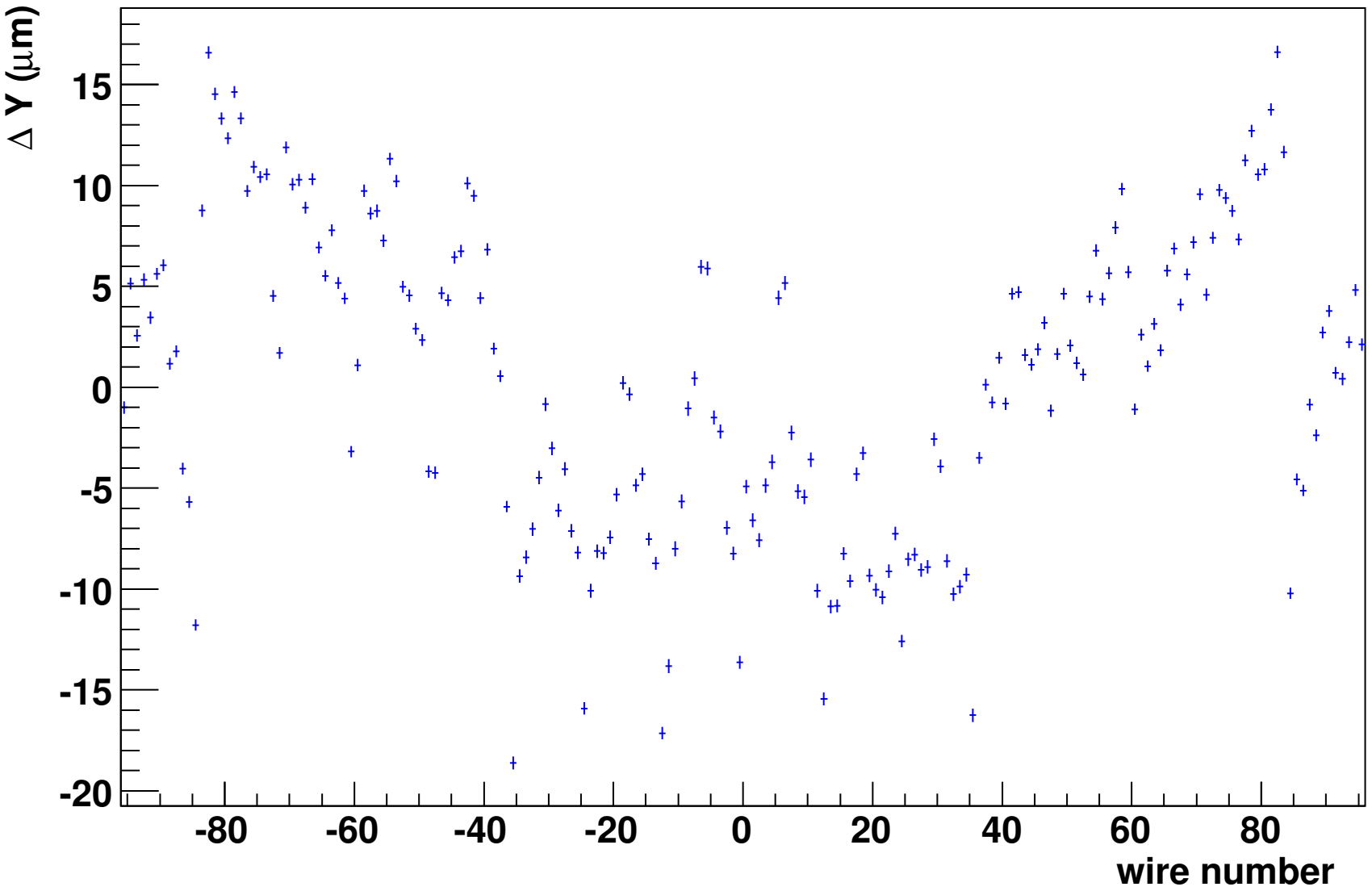

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL3 hit D (cm)

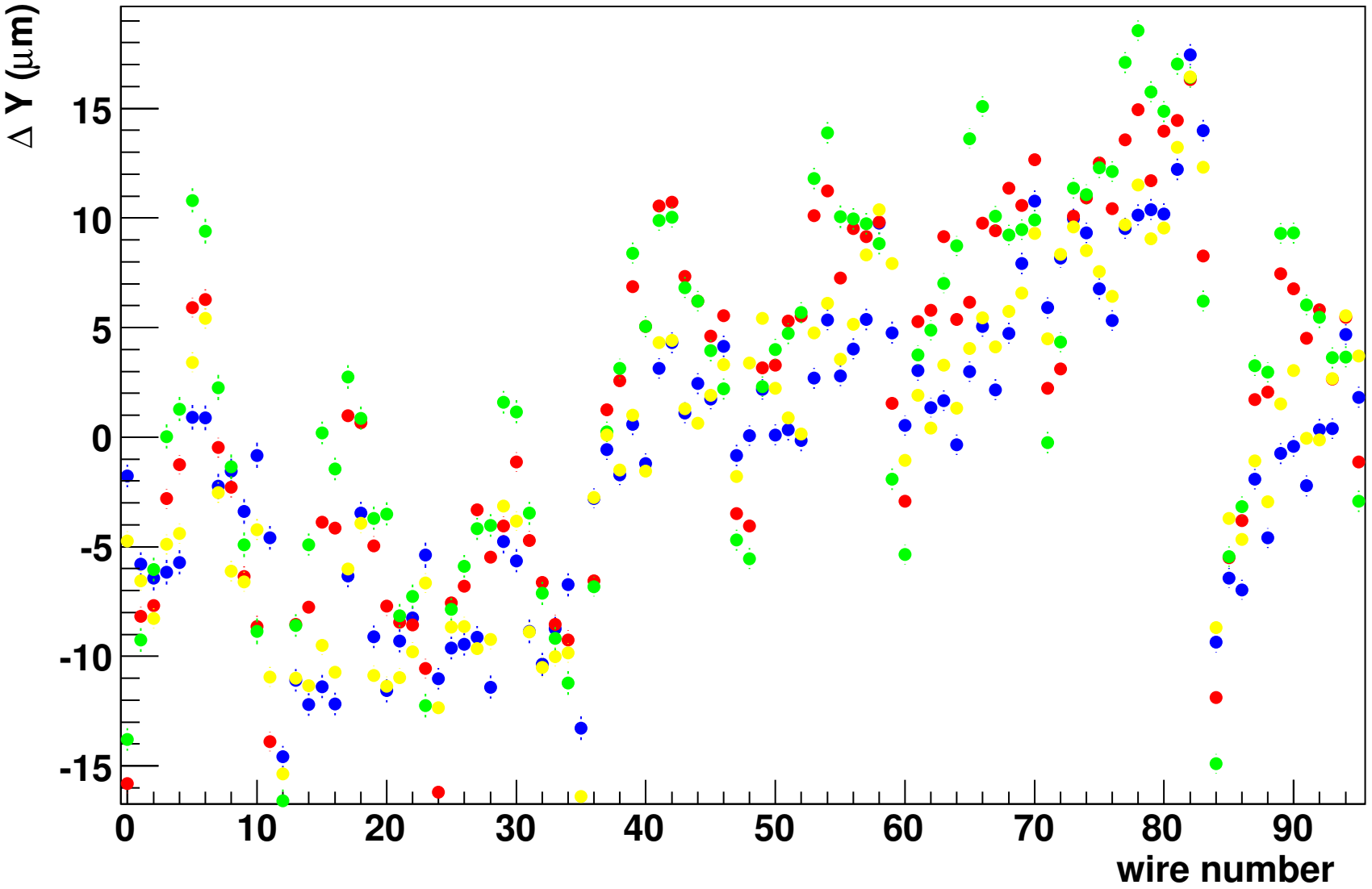

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL4 hit D (cm)

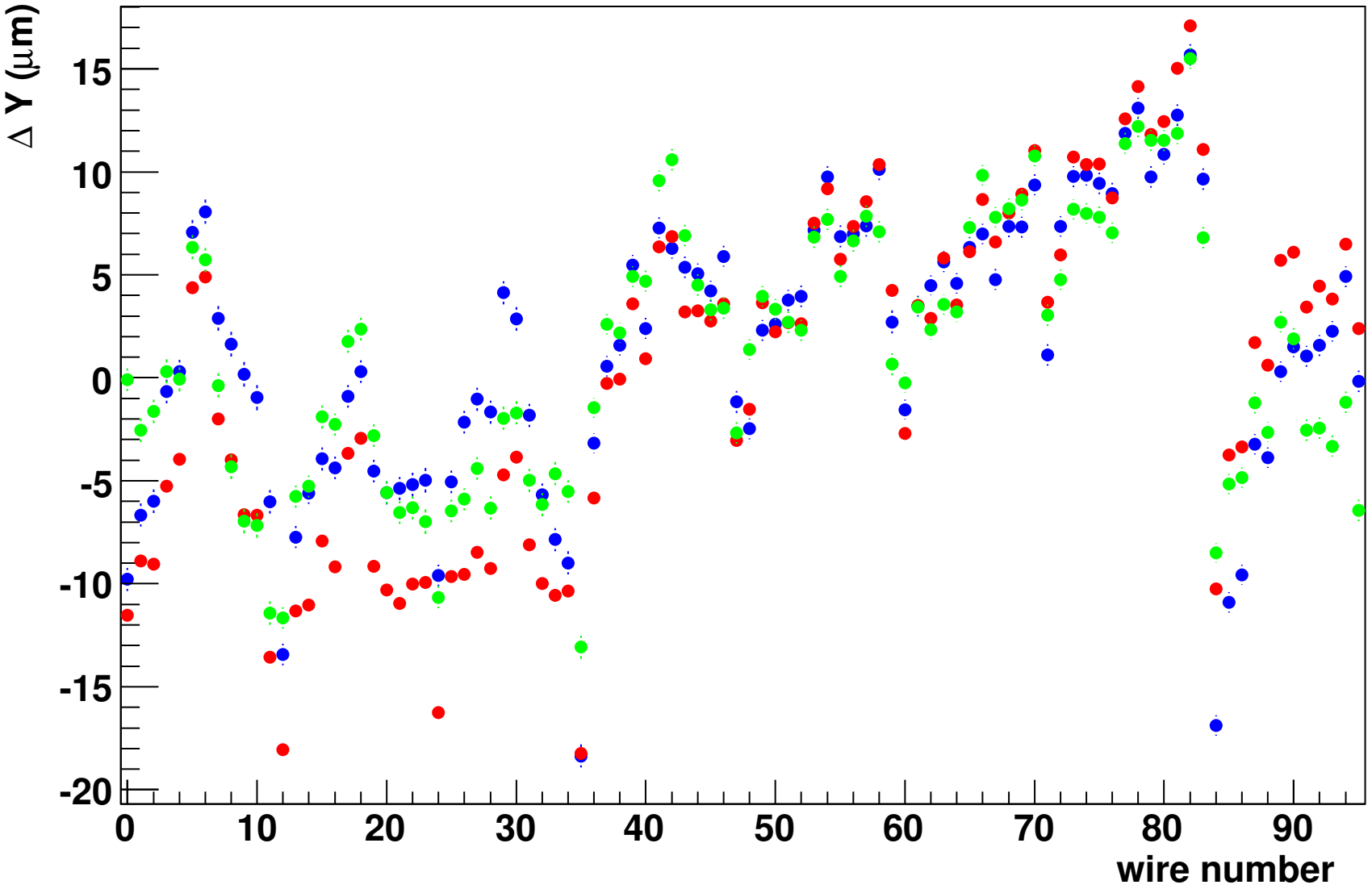

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL5 hit D (cm)

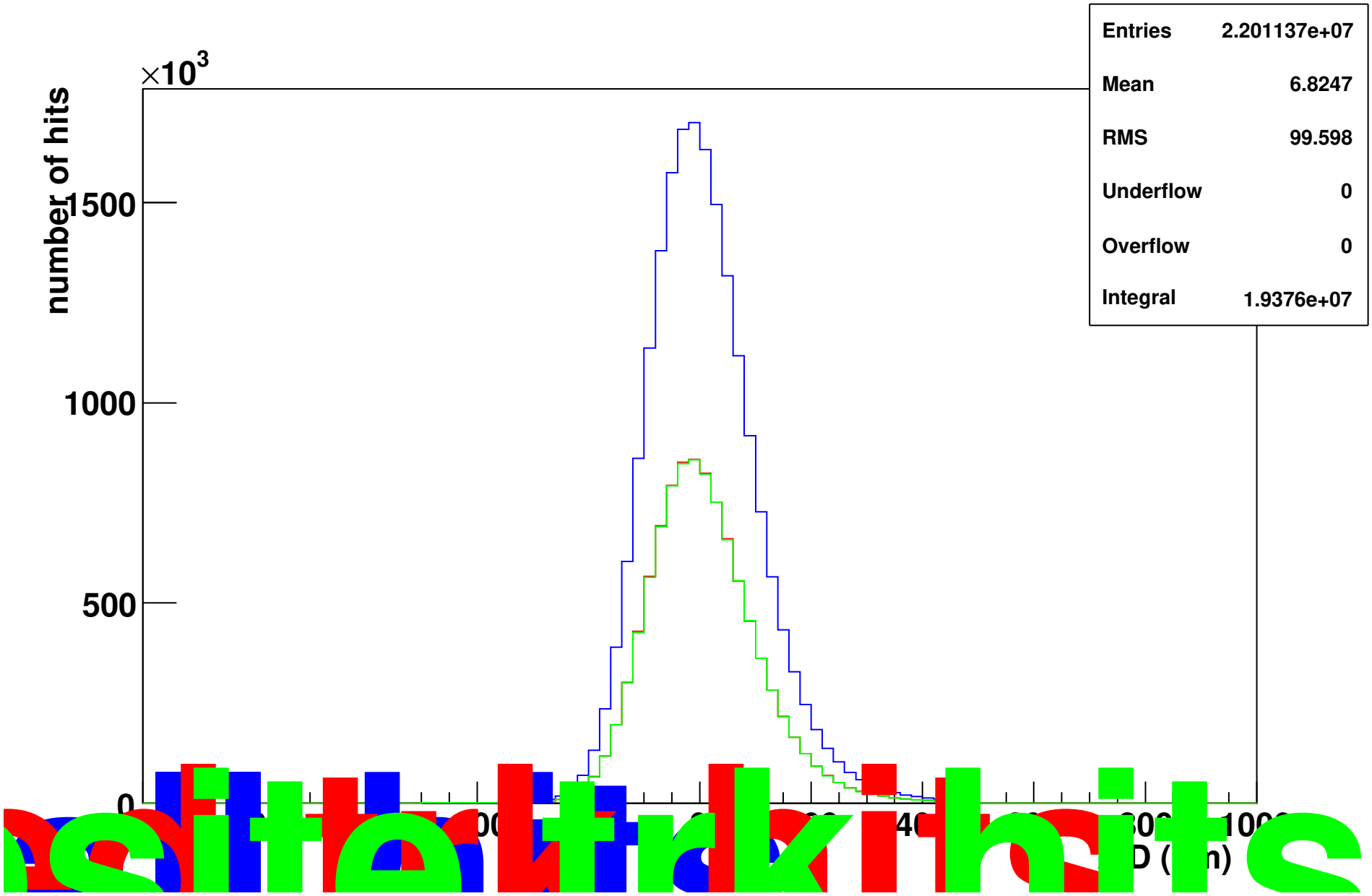

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL6 hit D (cm)

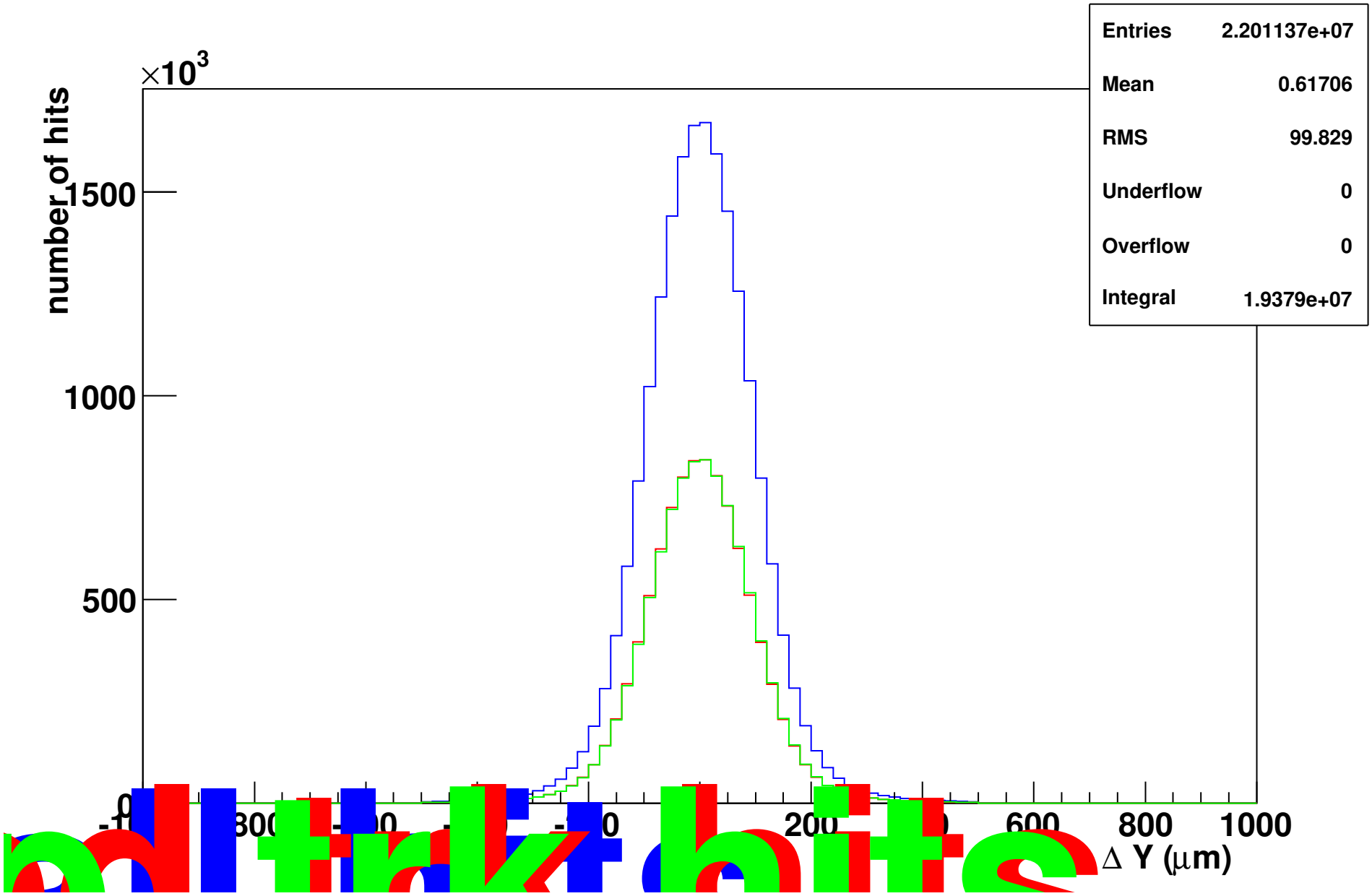

Δ D (μm)
50
0
-50
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
SL7 hit D (cm)


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

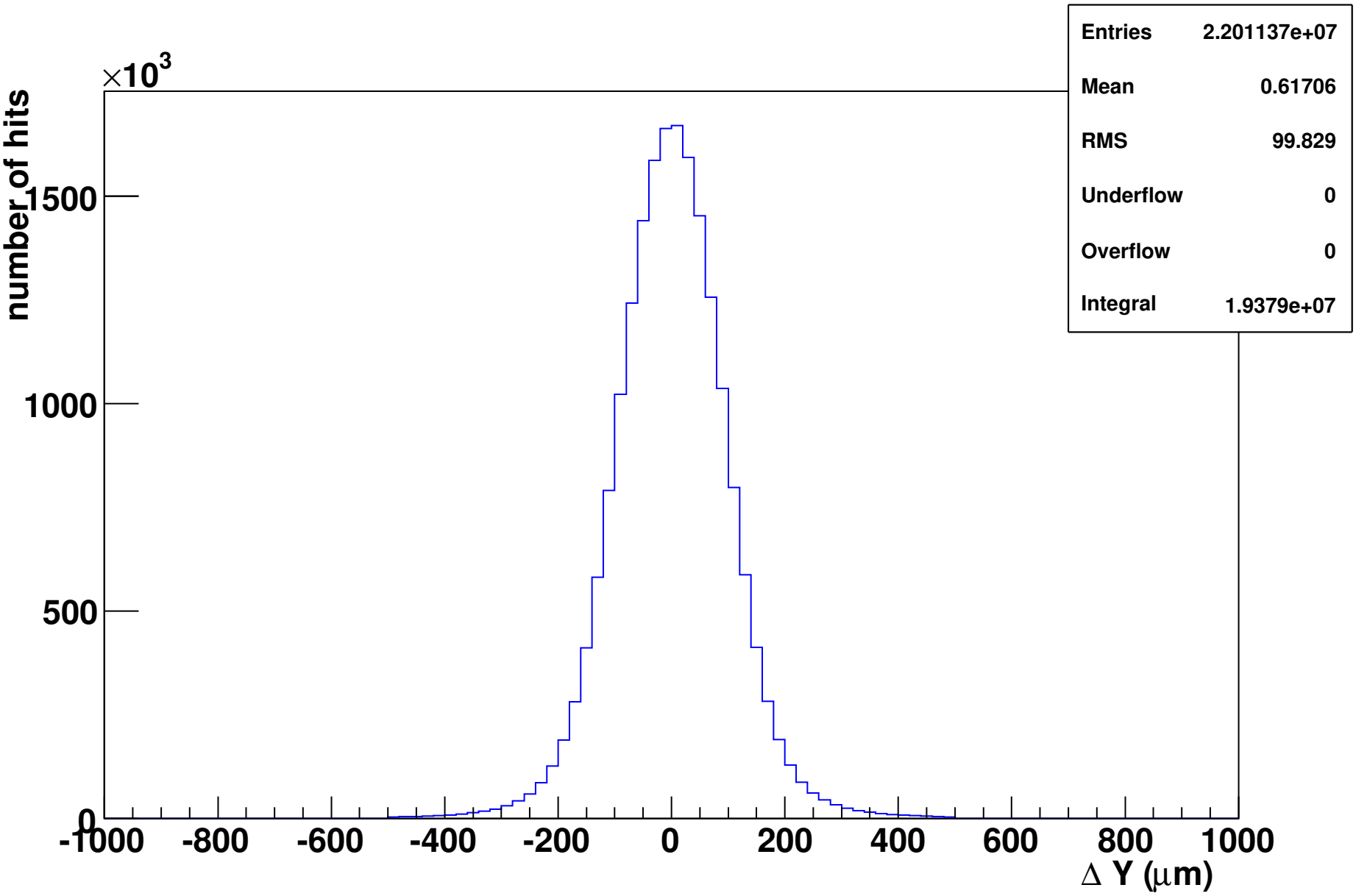

Δ Y (μm)
15
10
5
0
-5
-10
-15
0
10
20
30
40
50
60
70
80
90
wire number


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


Entries 2.201137e+07
Mean 6.8247
RMS 99.598
Underflow 0
Overflow 0
Integral 1.9376e+07
number of hits
×10^3
1500
1000
500
0



Entries 2.201137e+07
Mean 0.61706
RMS 99.829
Underflow 0
Overflow 0
Integral 1.9379e+07
×10^3
number of hits
1500
1000
500
0
200
600
800
1000
Δ Y (μm)
all tracks


Entries 2.201137e+07
Mean 0.61706
RMS 99.829
Underflow 0
Overflow 0
Integral 1.9379e+07
×10^3
number of hits
1500
1000
500
0
-1000
-800
-600
-400
-200
0
200
400
600
800
1000
Δ Y (μm)