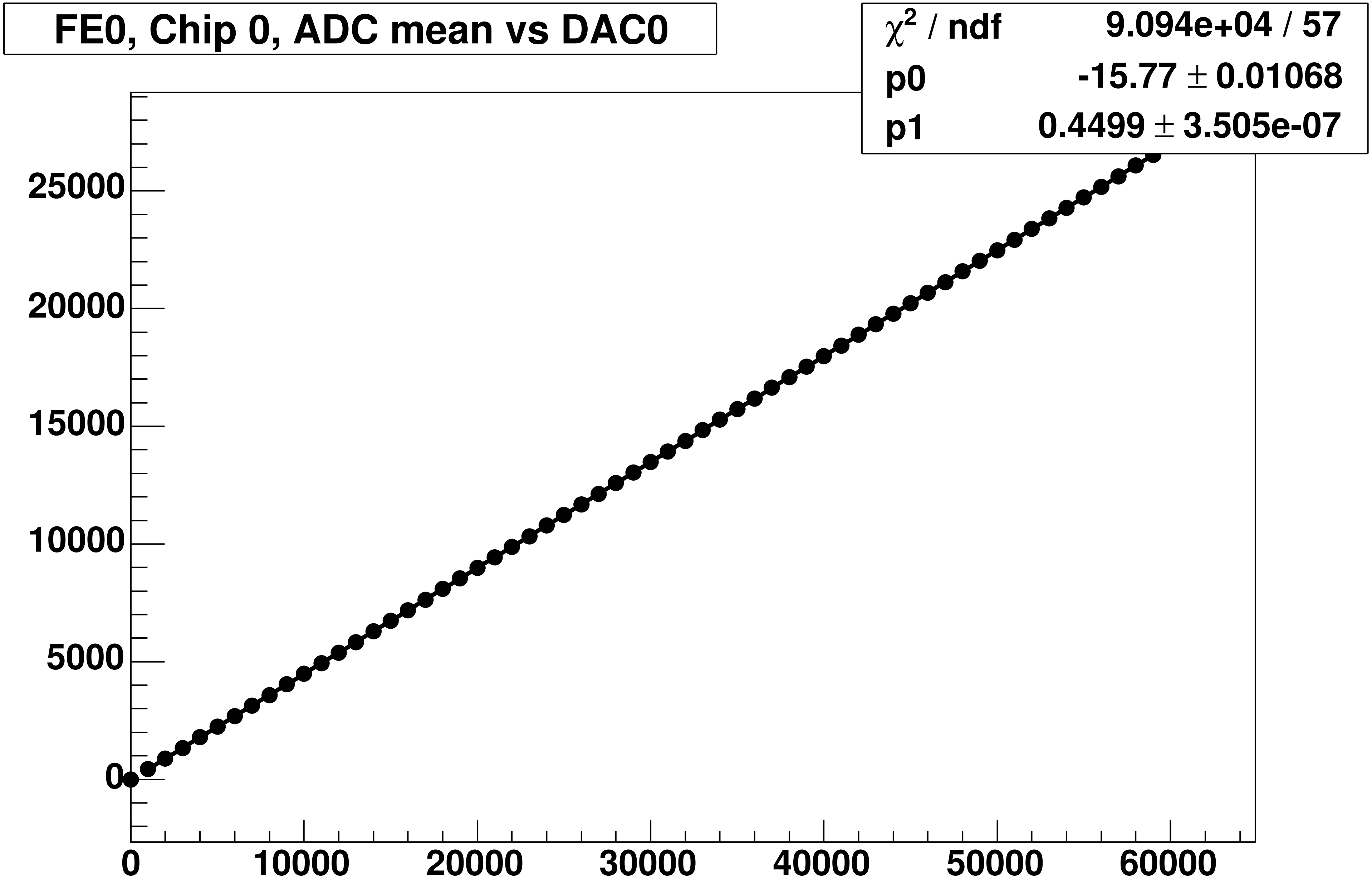
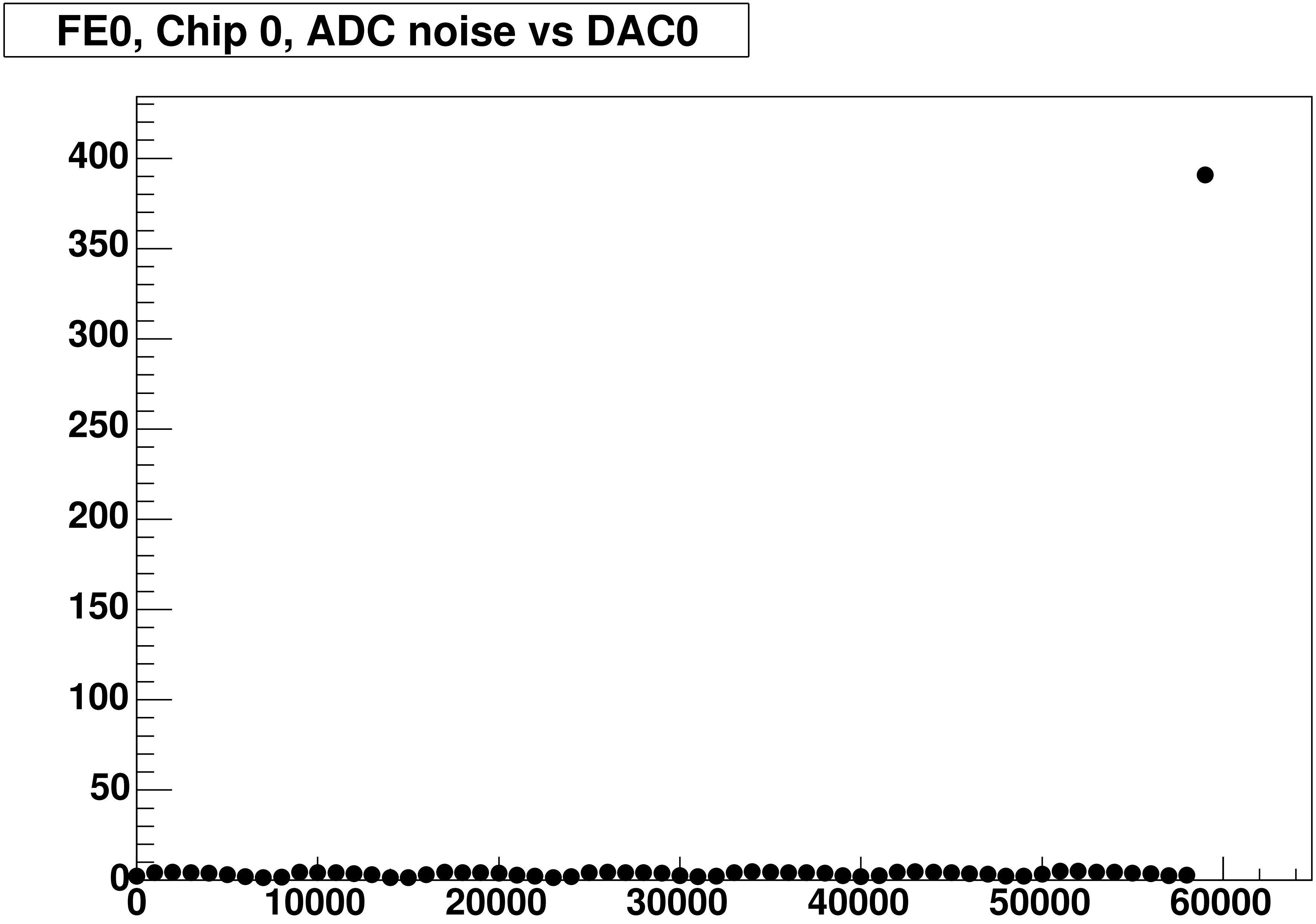
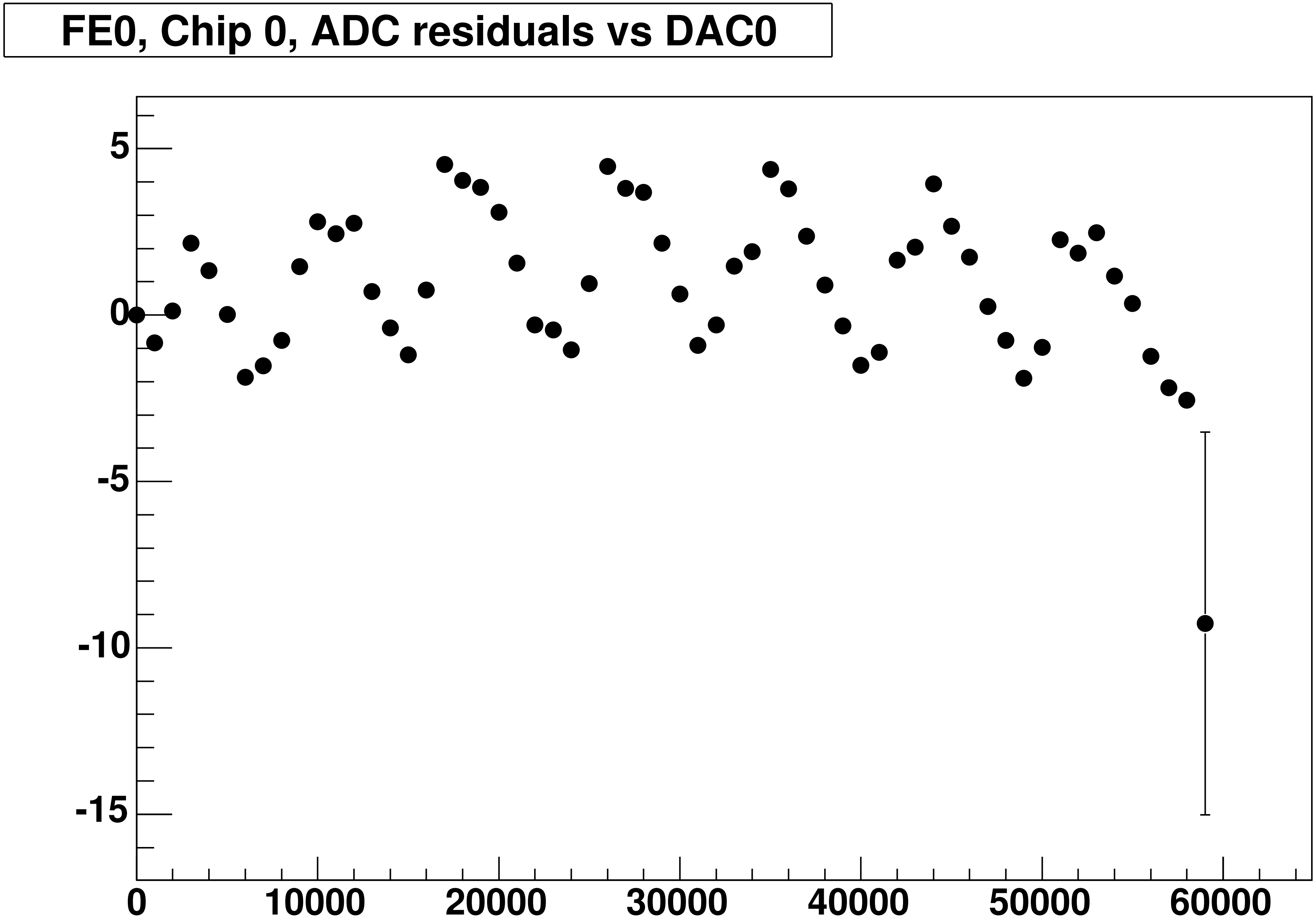
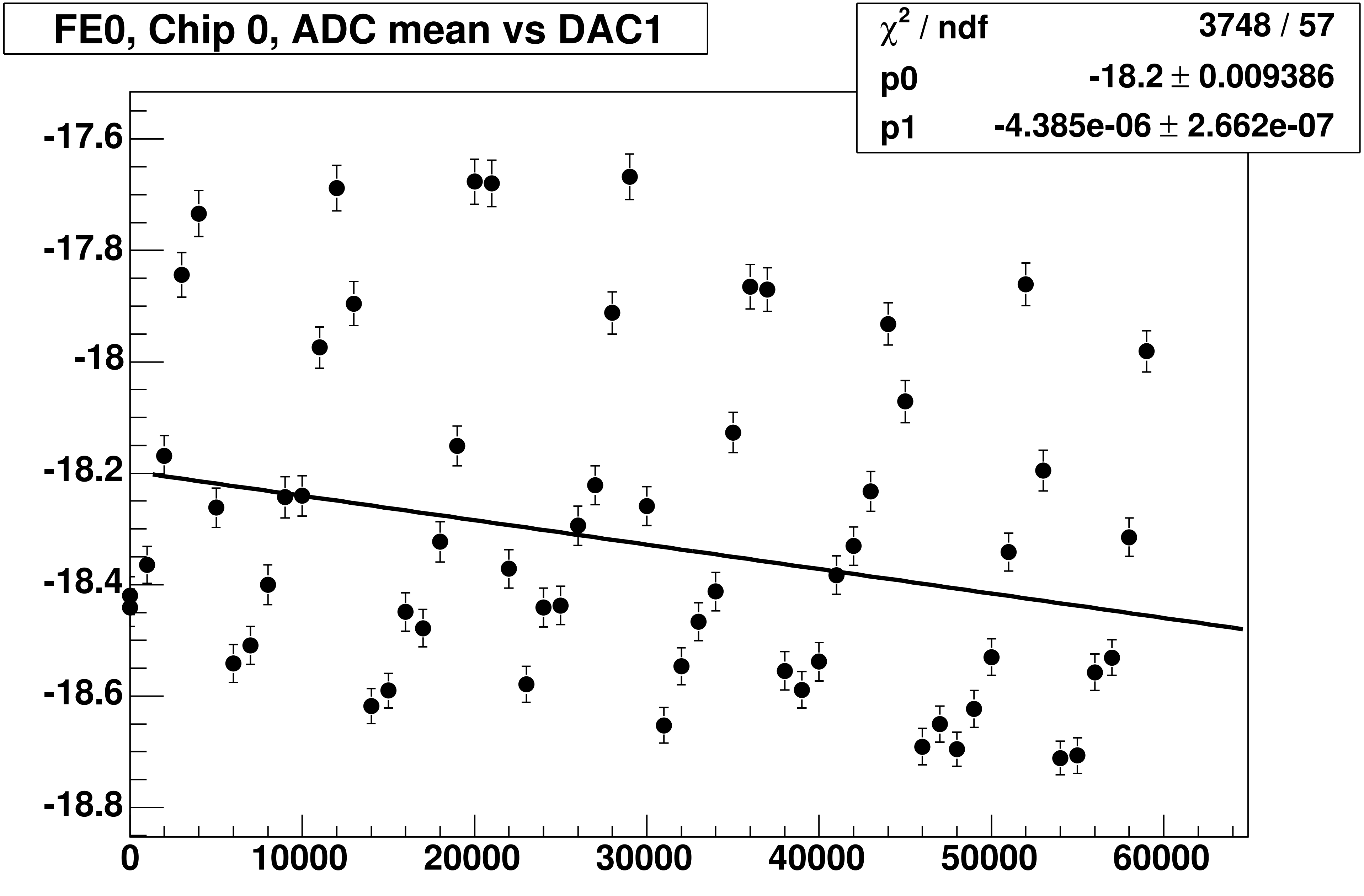


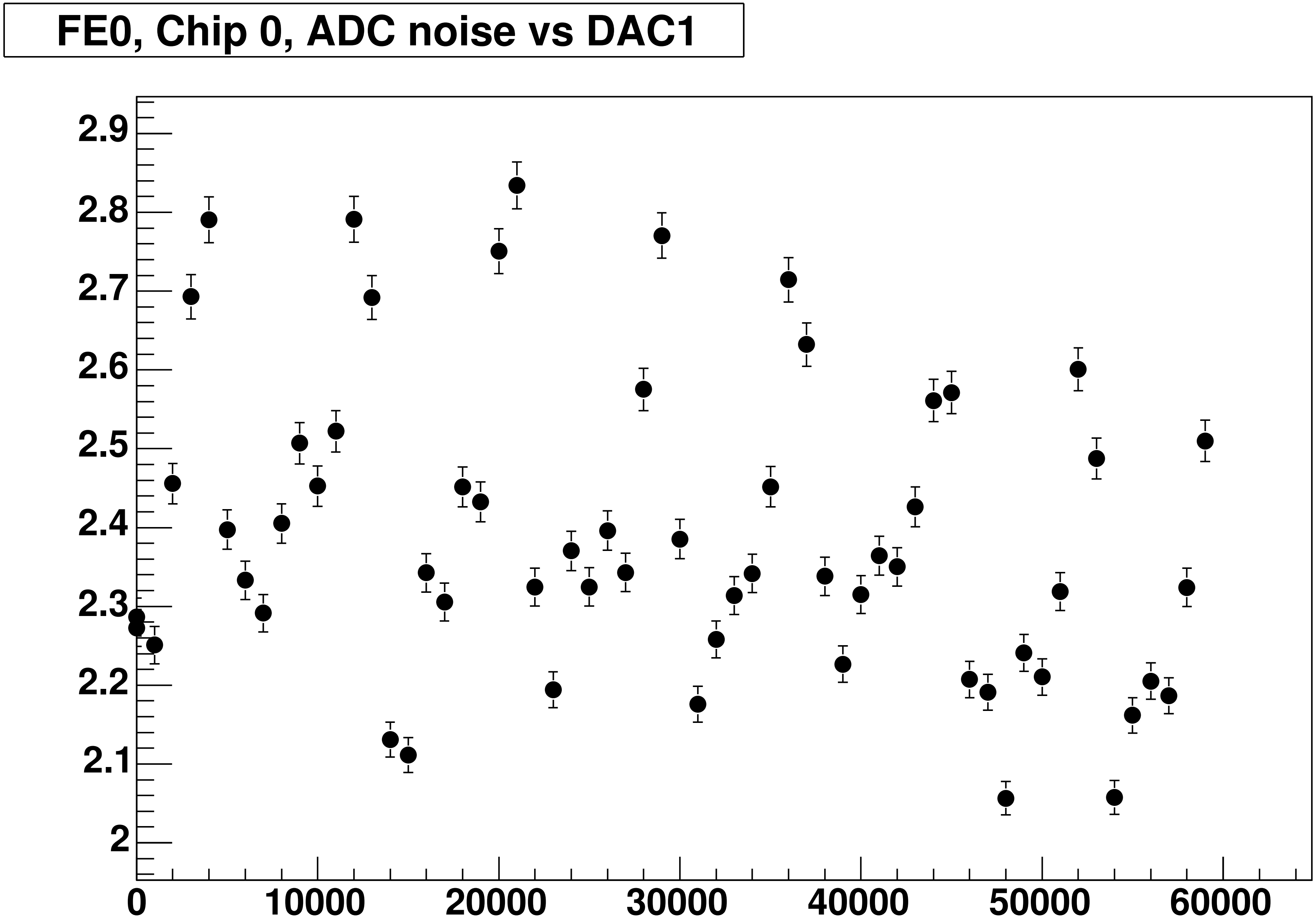
FE0, Chip 0, ADC mean vs DAC0
χ^2 / ndf 9.094e+04 / 57
p0 -15.77 ± 0.01068
p1 0.4499 ± 3.505e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

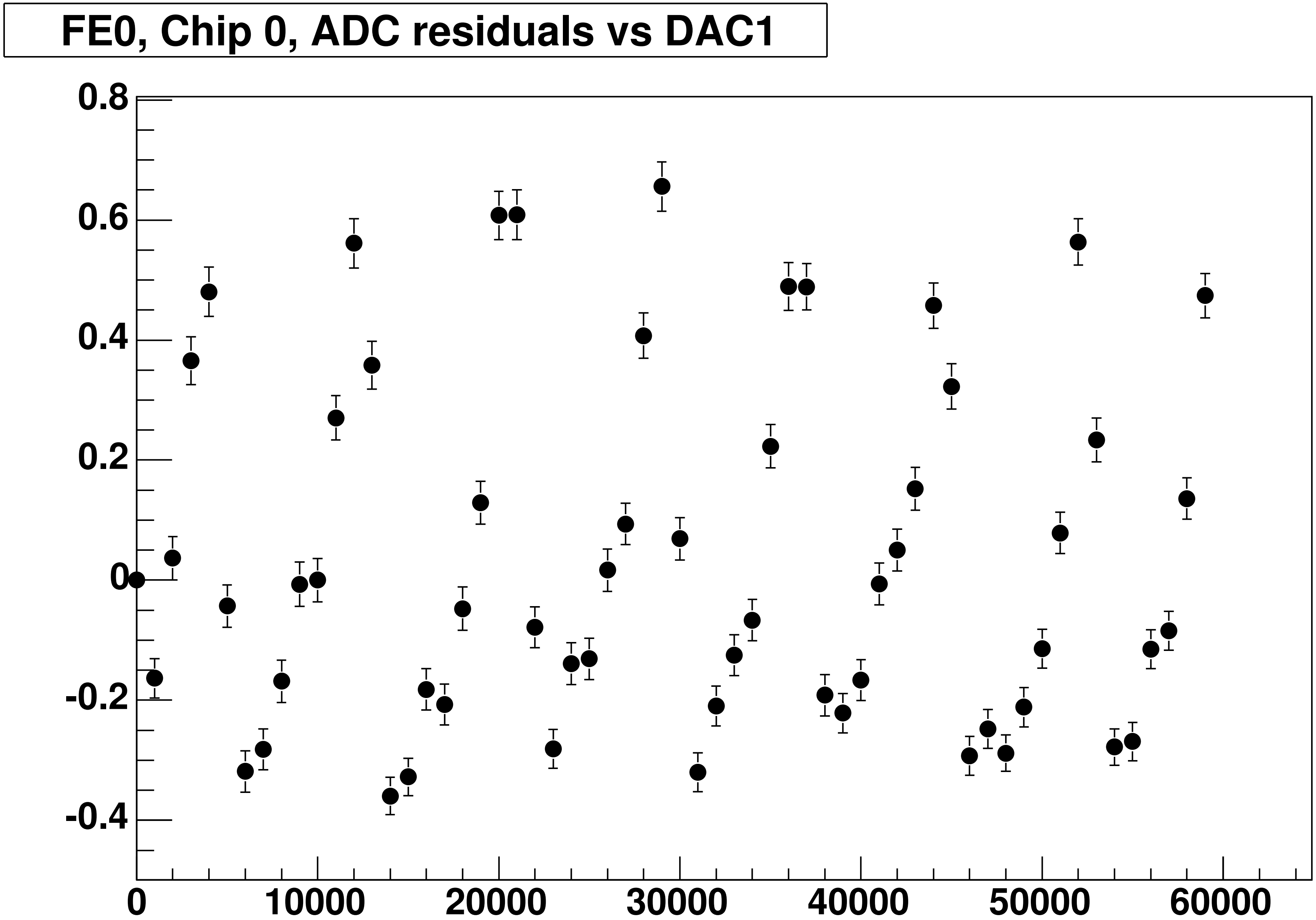

FE0, Chip 0, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000


FE0, Chip 0, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

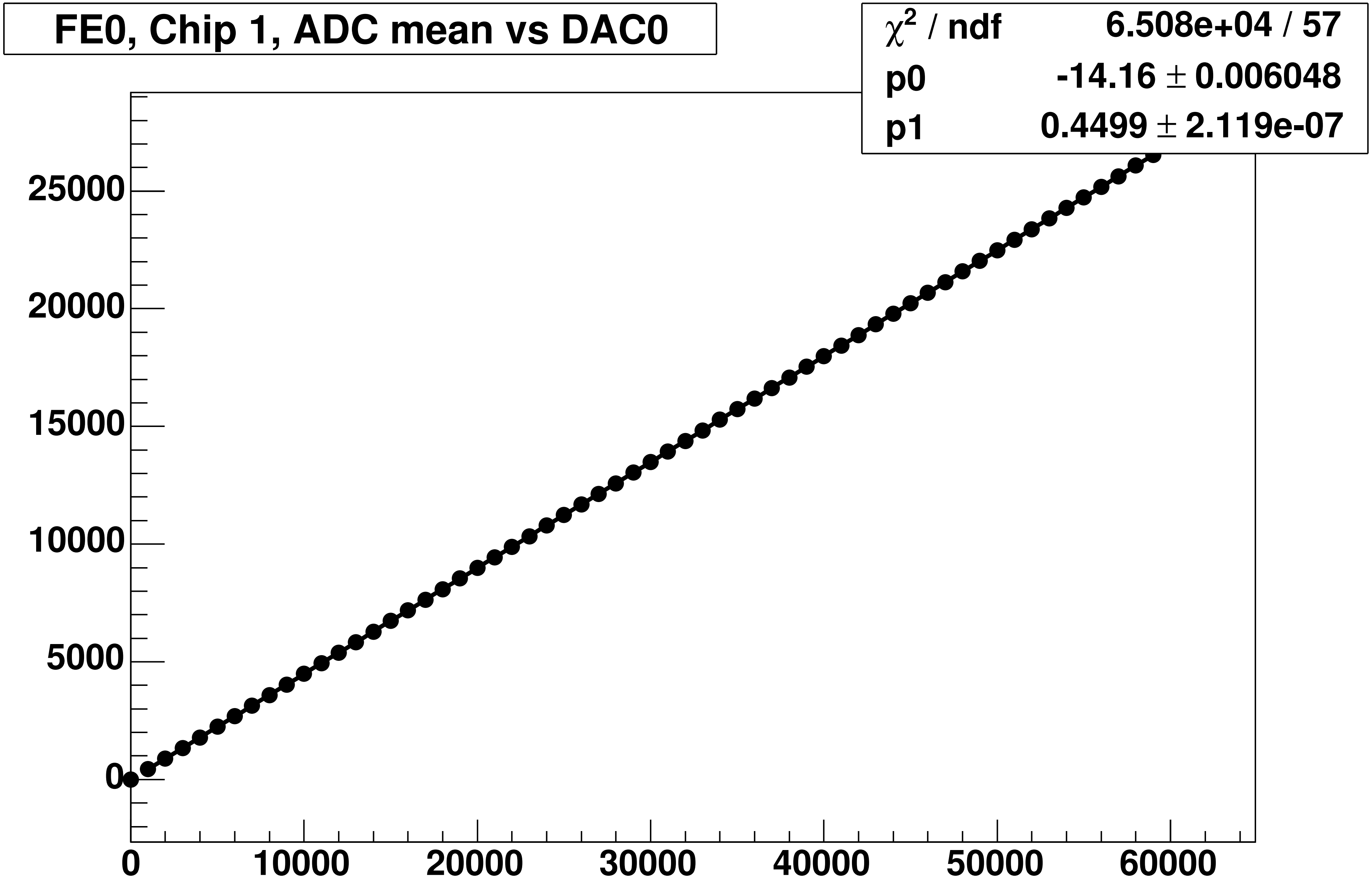


FE0, Chip 0, ADC mean vs DAC1
χ^2 / ndf 3748 / 57
p0 -18.2 ± 0.009386
p1 -4.385e-06 ± 2.662e-07
-17.6
-17.8
-18
-18.2
-18.4
-18.6
-18.8
0
10000
20000
30000
40000
50000
60000

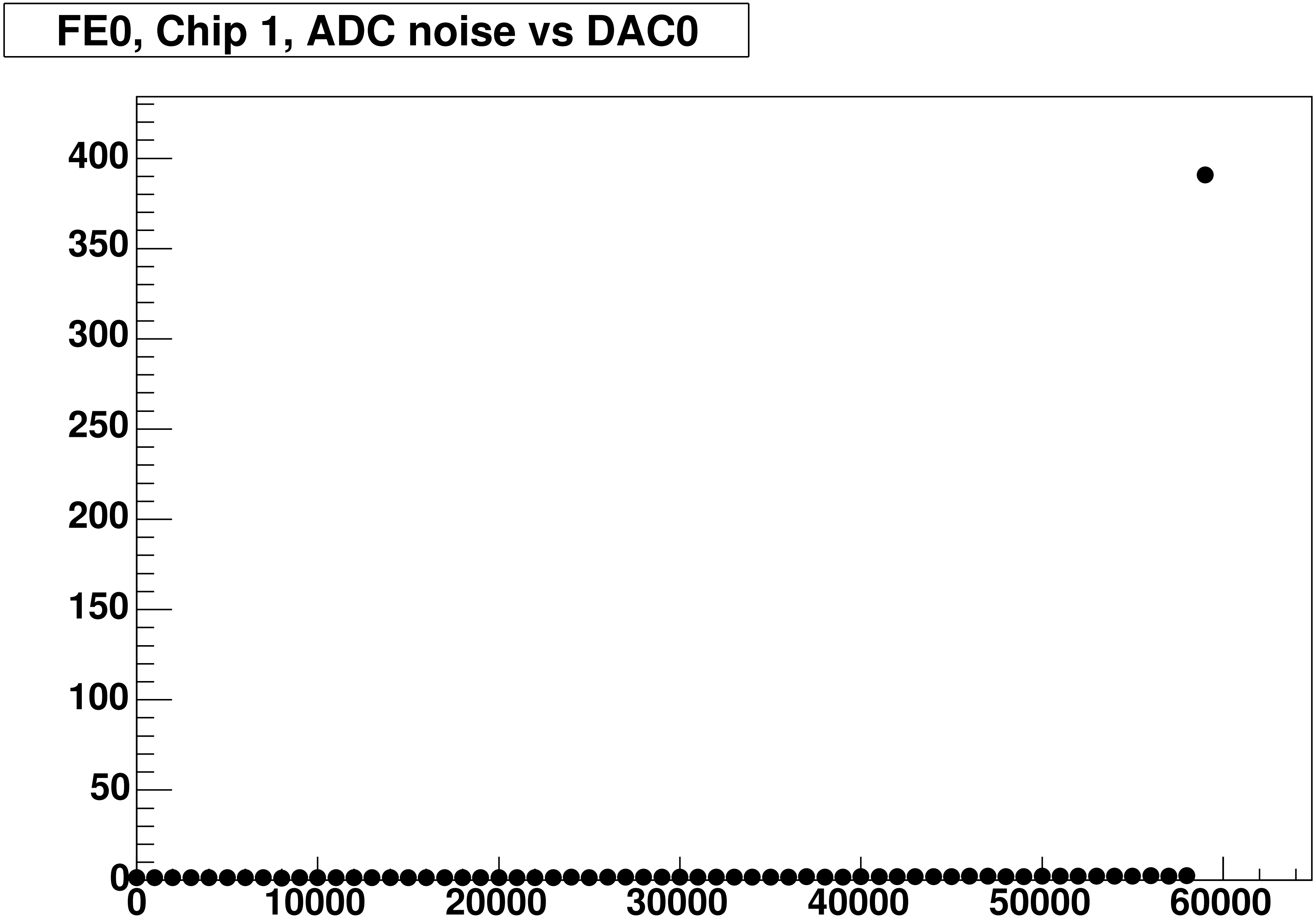

FE0, Chip 0, ADC noise vs DAC1
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
2
0
10000
20000
30000
40000
50000
60000

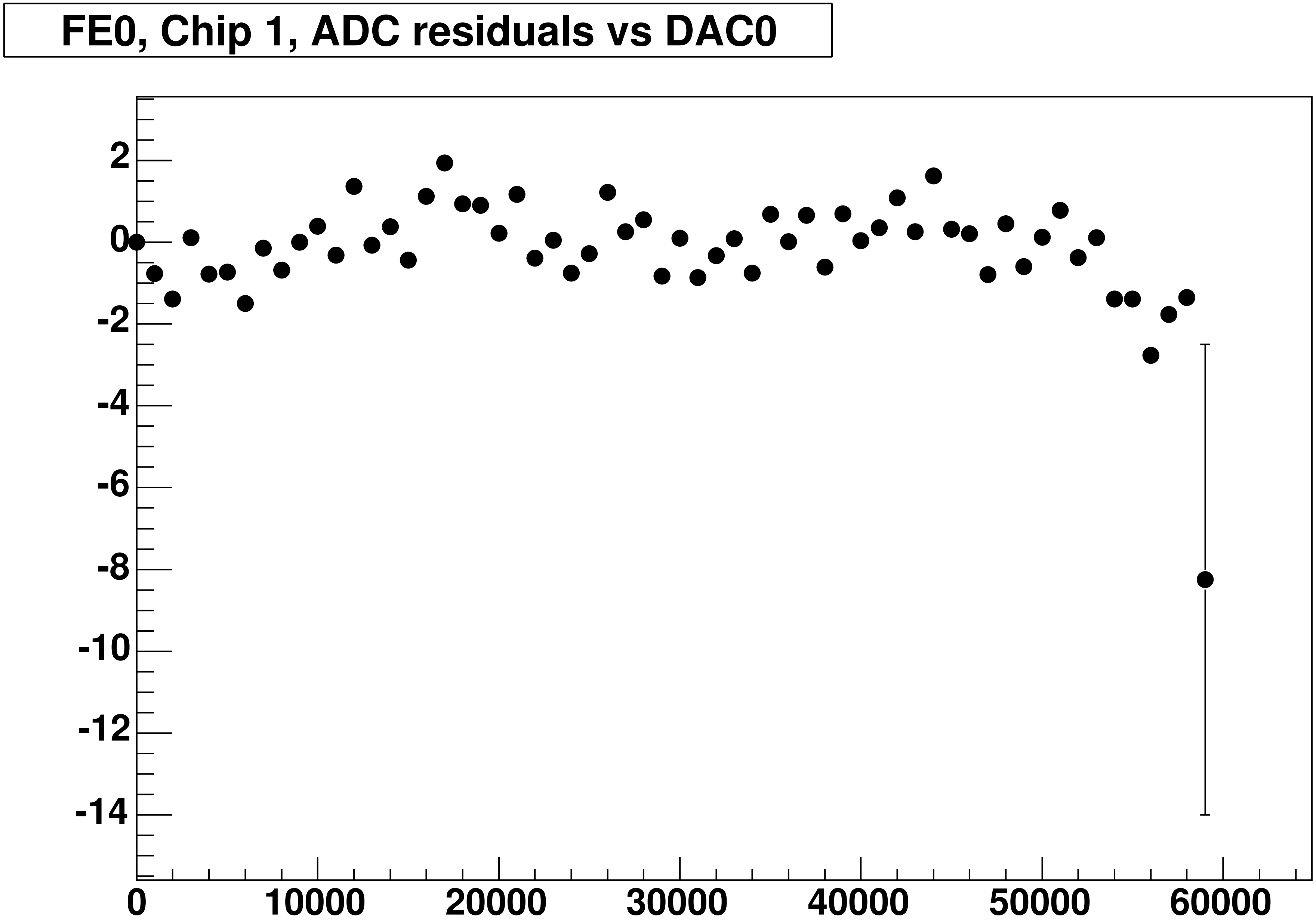


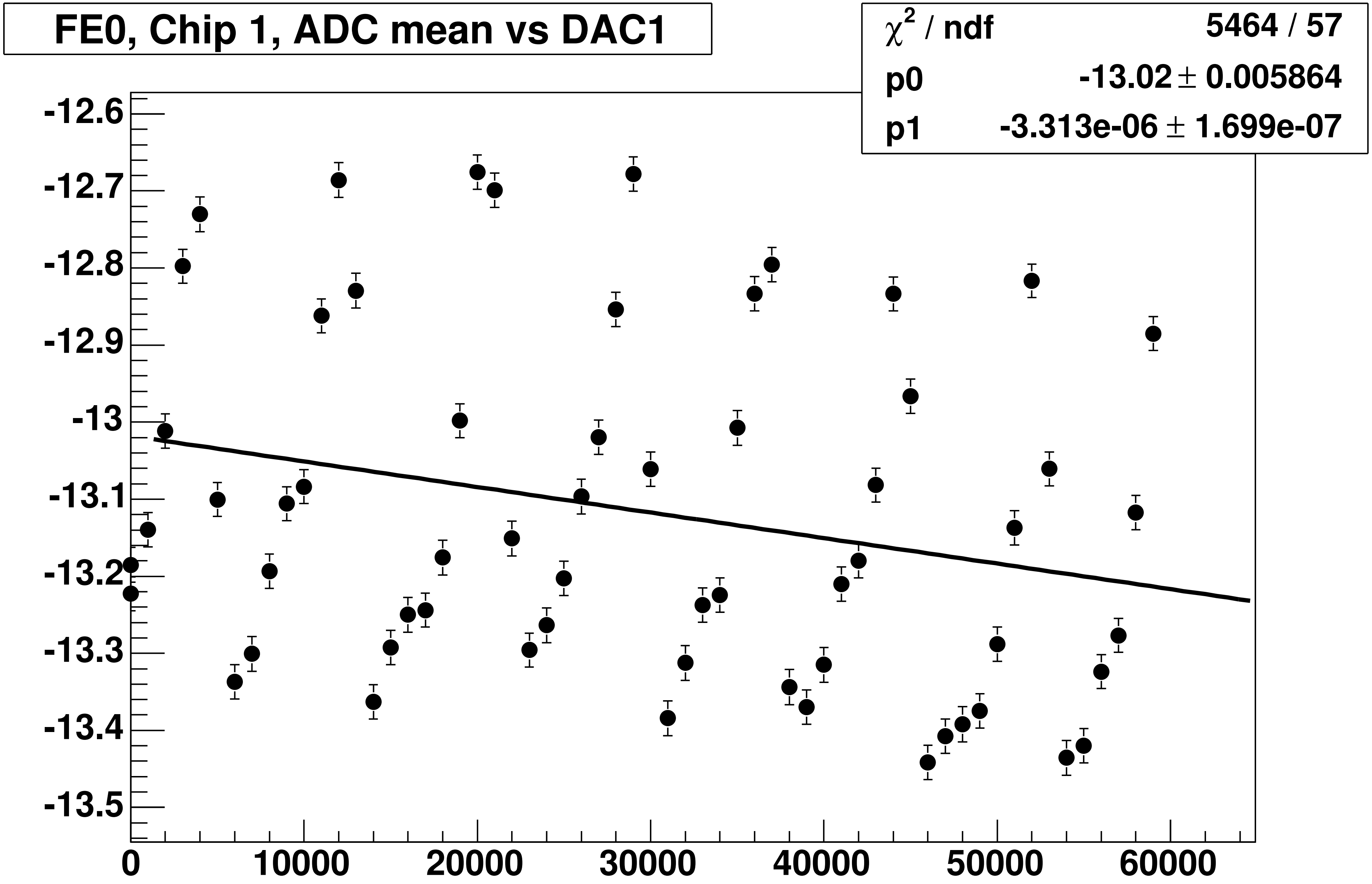
FE0, Chip 0, ADC residuals vs DAC1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
60000

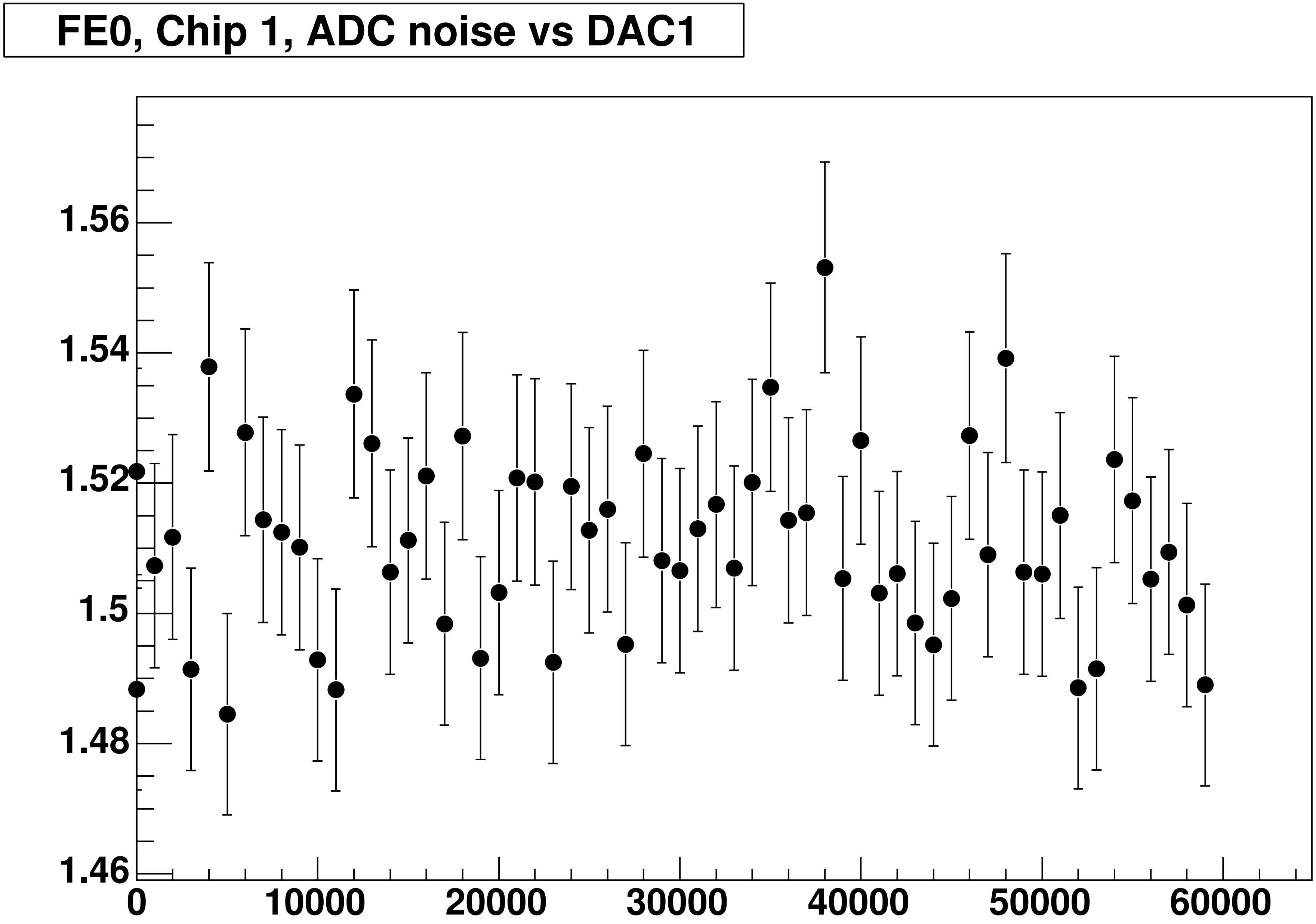


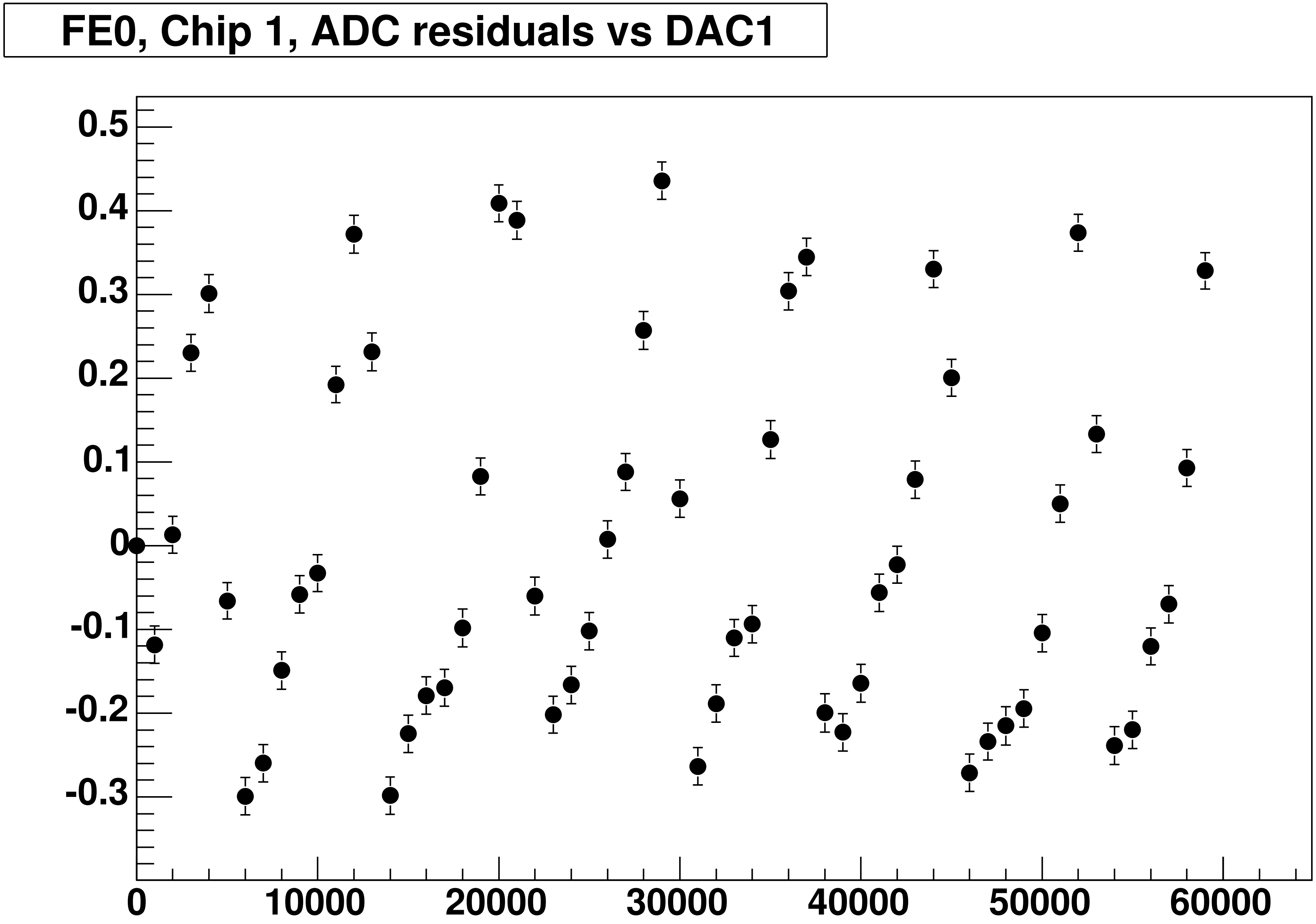
FE0, Chip 1, ADC mean vs DAC0
χ^2 / ndf 6.508e+04 / 57
p0 -14.16 ± 0.006048
p1 0.4499 ± 2.119e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

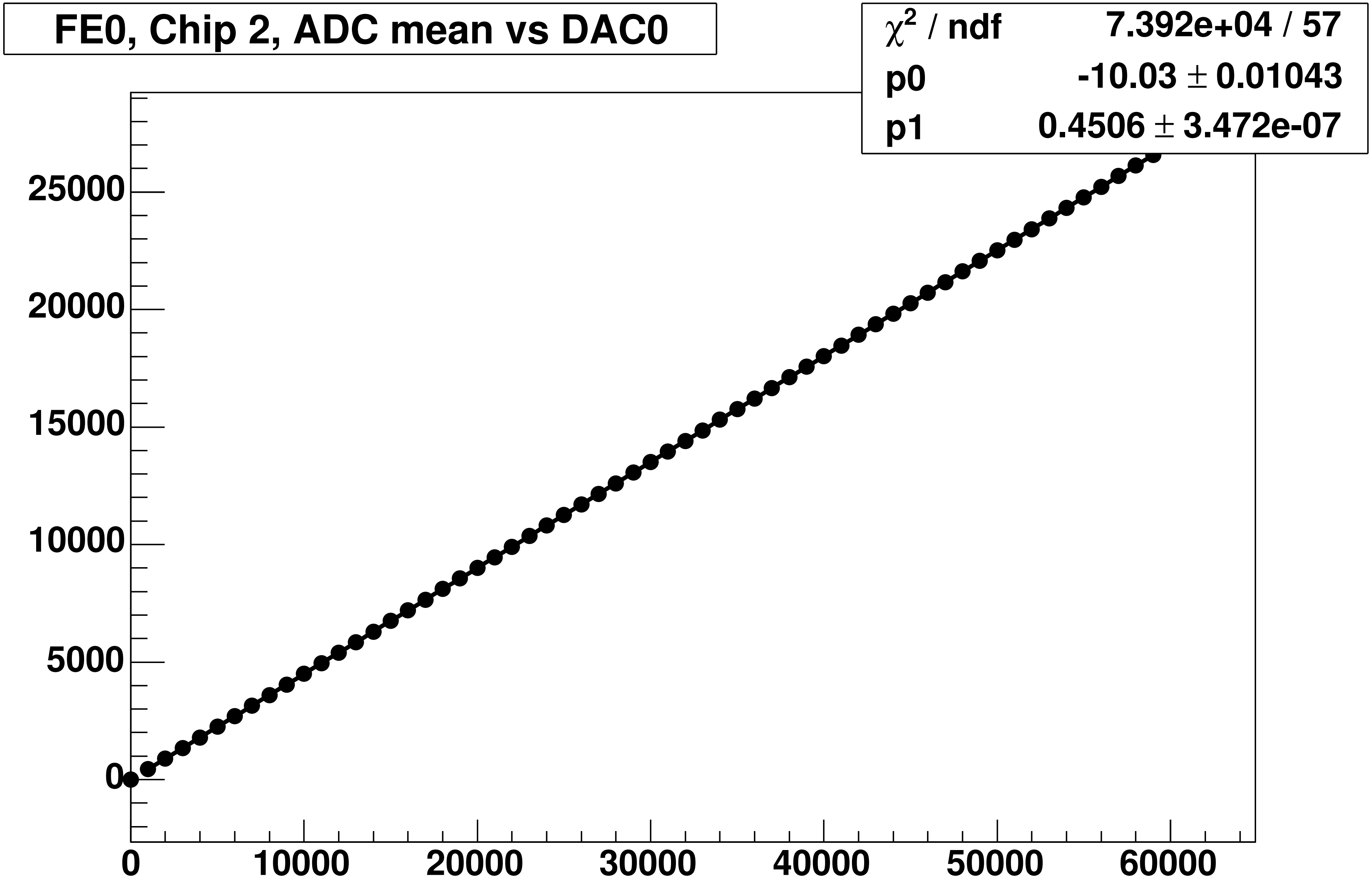

FE0, Chip 1, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

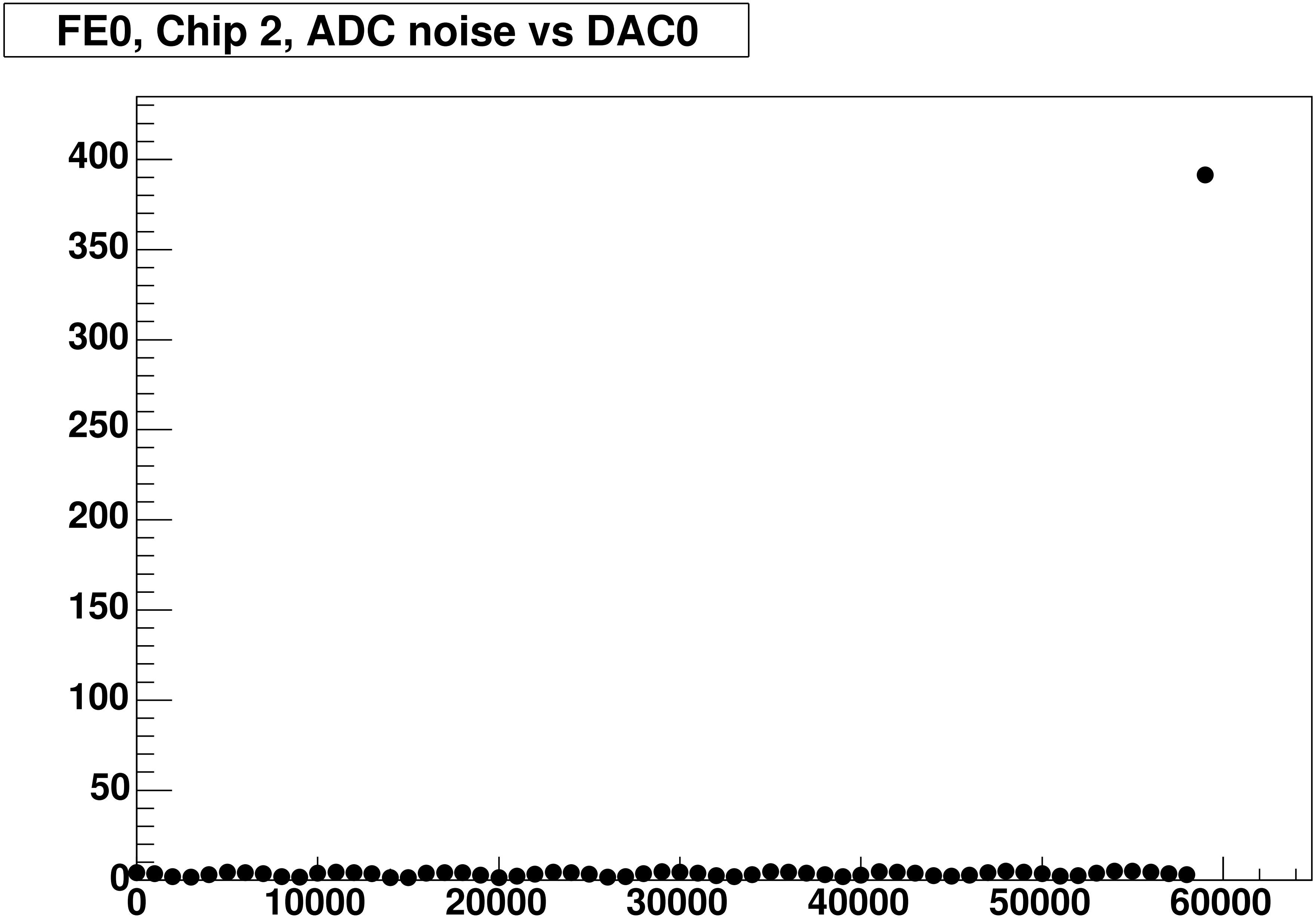

FE0, Chip 1, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
0
10000
20000
30000
40000
50000
60000

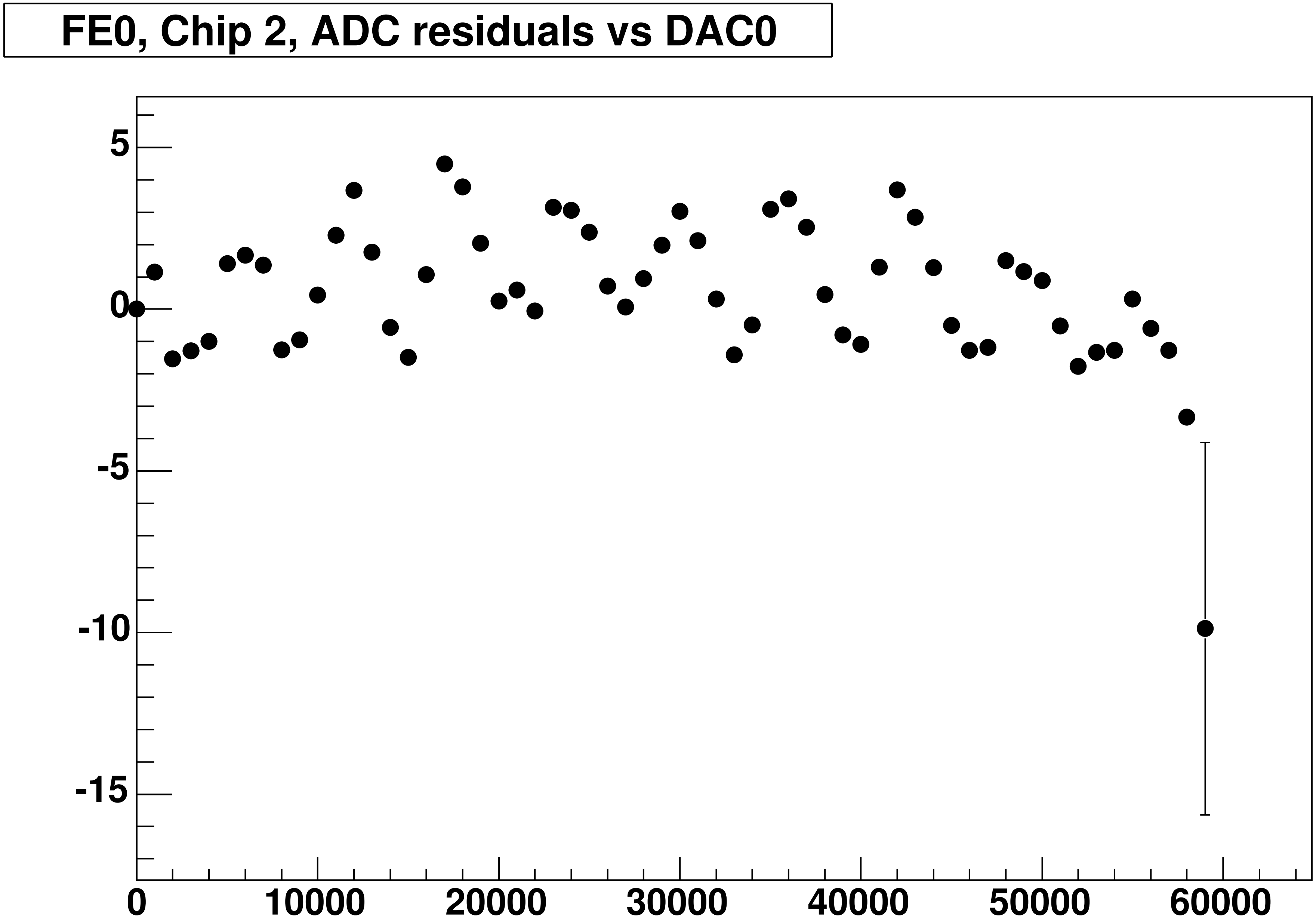

FE0, Chip 1, ADC mean vs DAC1
χ^2 / ndf 5464 / 57
p0 -13.02 ± 0.005864
p1 -3.313e-06 ± 1.699e-07
-12.6
-12.7
-12.8
-12.9
-13
-13.1
-13.2
-13.3
-13.4
-13.5
0
10000
20000
30000
40000
50000
60000


FE0, Chip 1, ADC noise vs DAC1
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

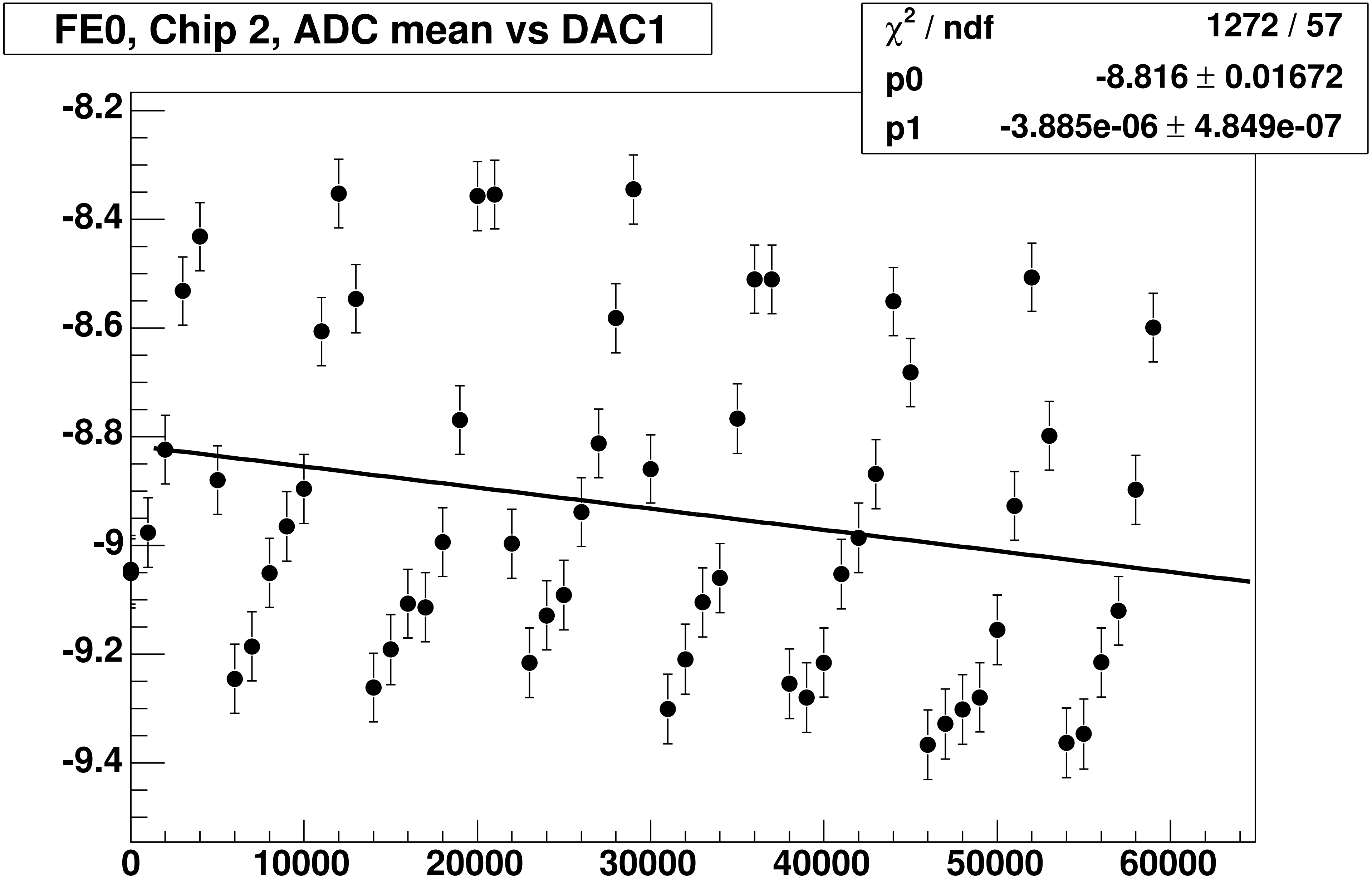

FE0, Chip 1, ADC residuals vs DAC1
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
0
10000
20000
30000
40000
50000
60000


FE0, Chip 2, ADC mean vs DAC0
χ^2 / ndf 7.392e+04 / 57
p0 -10.03 ± 0.01043
p1 0.4506 ± 3.472e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

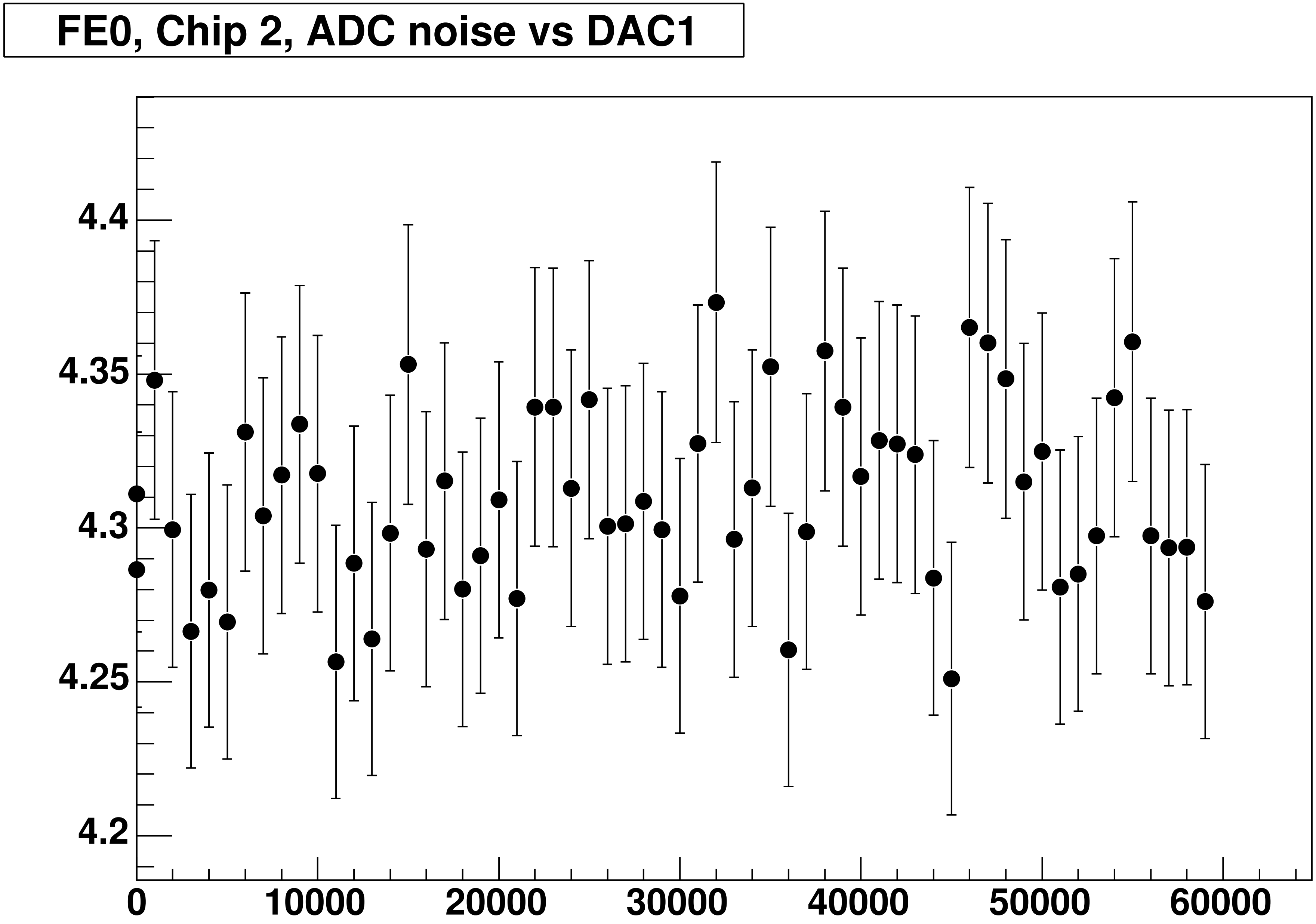

FE0, Chip 2, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

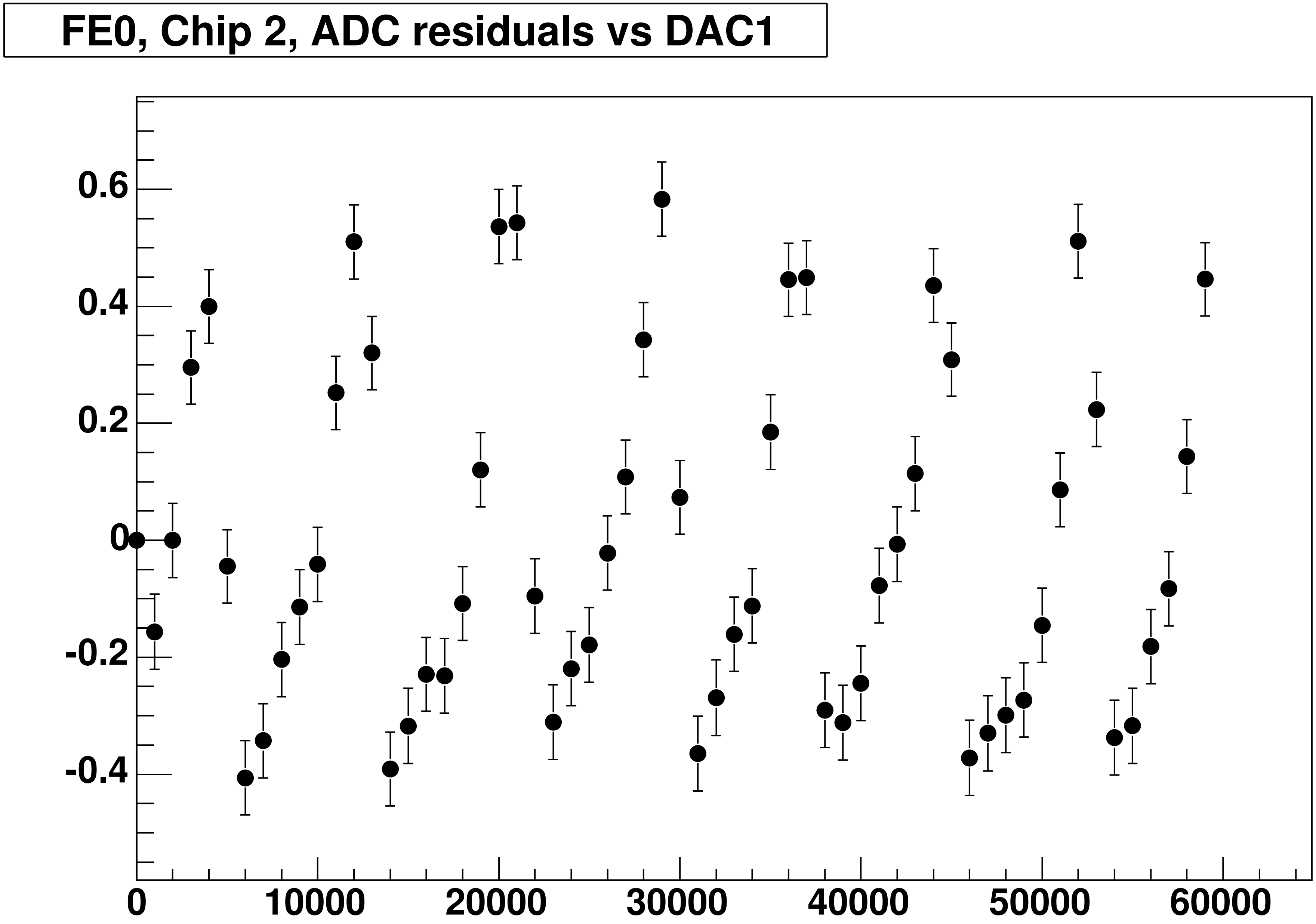


FE0, Chip 2, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

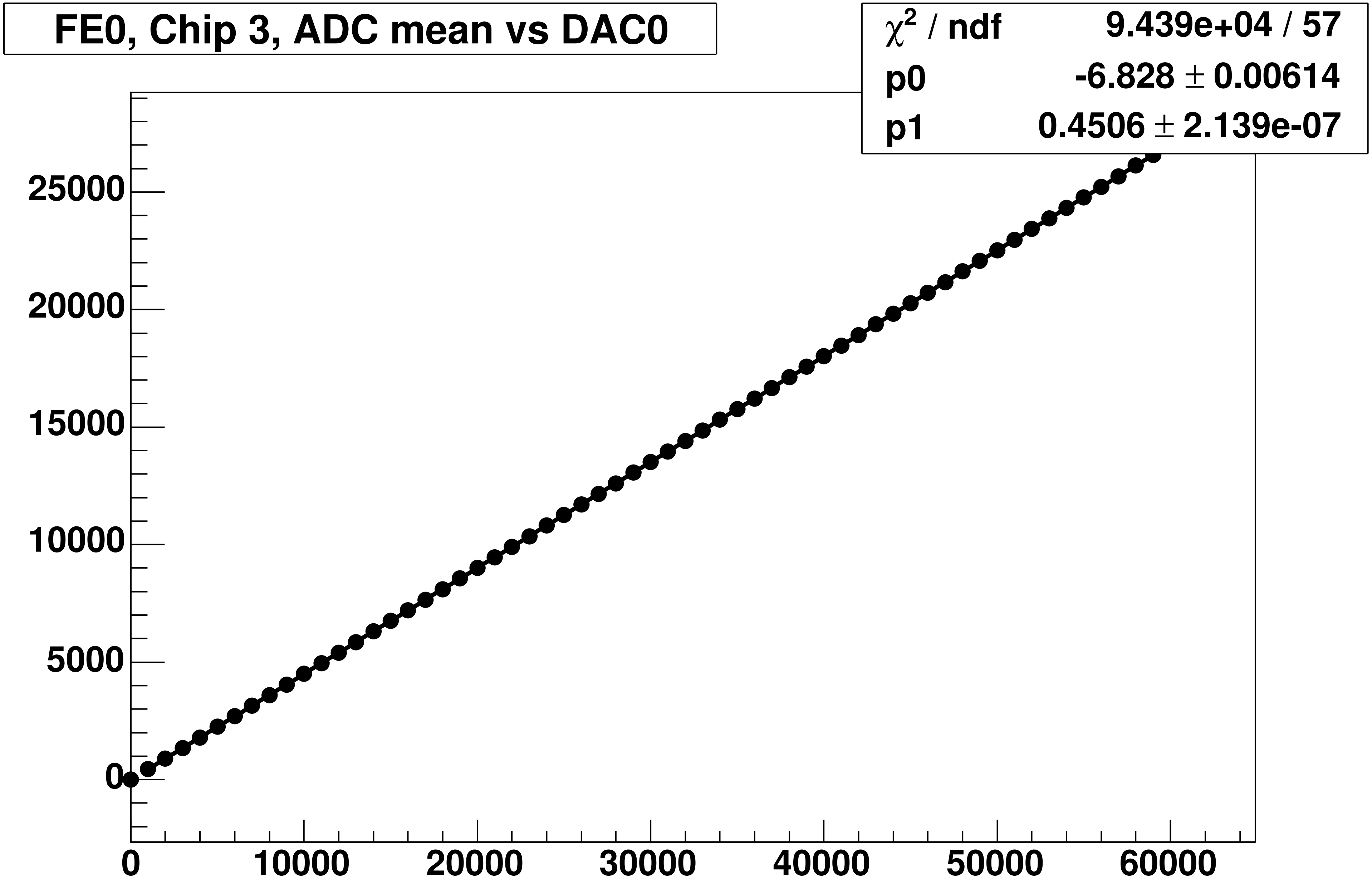


FE0, Chip 2, ADC mean vs DAC1
χ^2 / ndf 1272 / 57
p0 -8.816 ± 0.01672
p1 -3.885e-06 ± 4.849e-07
-8.2
-8.4
-8.6
-8.8
-9
-9.2
-9.4
0
10000
20000
30000
40000
50000
60000

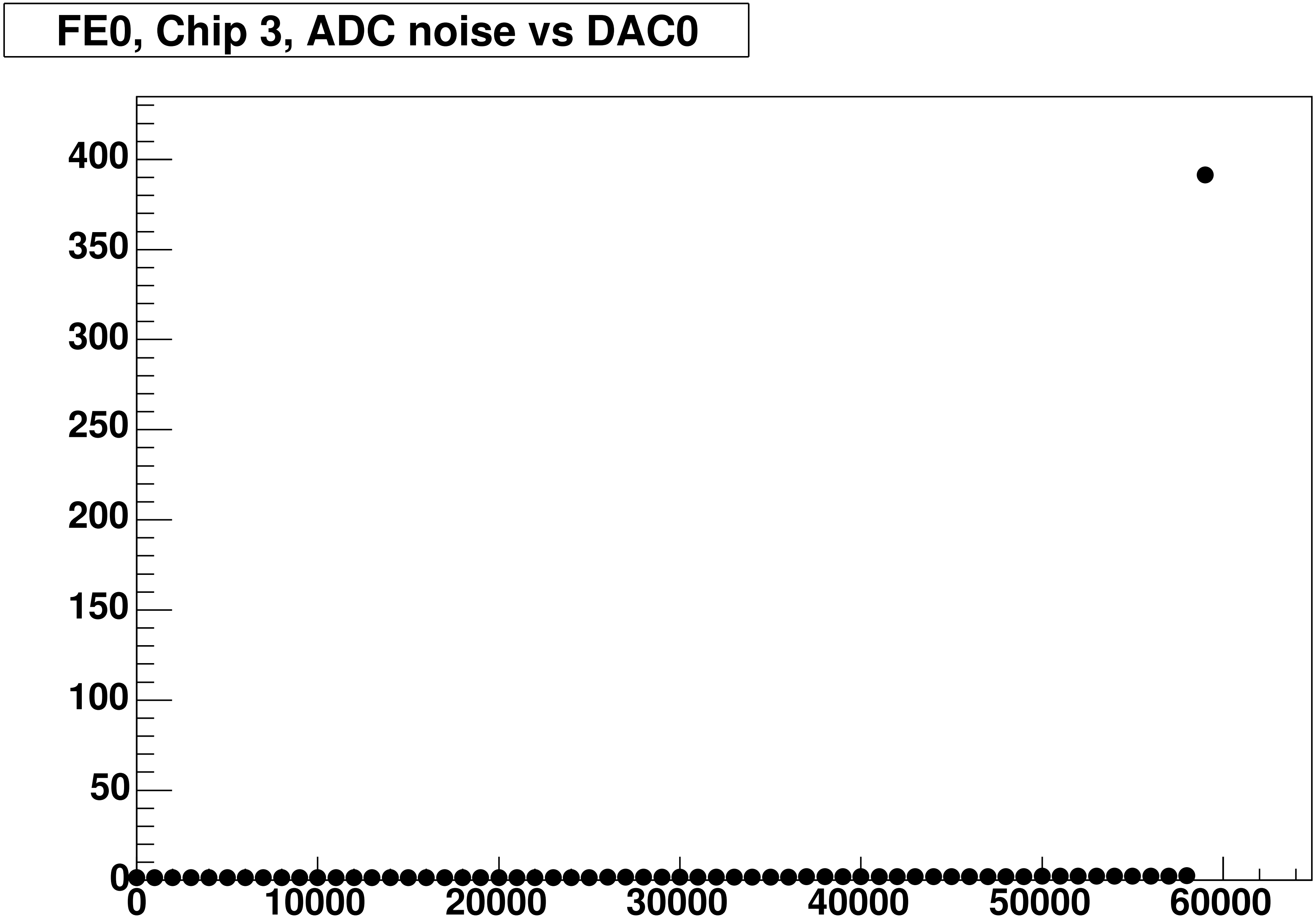

FE0, Chip 2, ADC noise vs DAC1
4.2
4.25
4.3
4.35
4.4
0
10000
20000
30000
40000
50000
60000

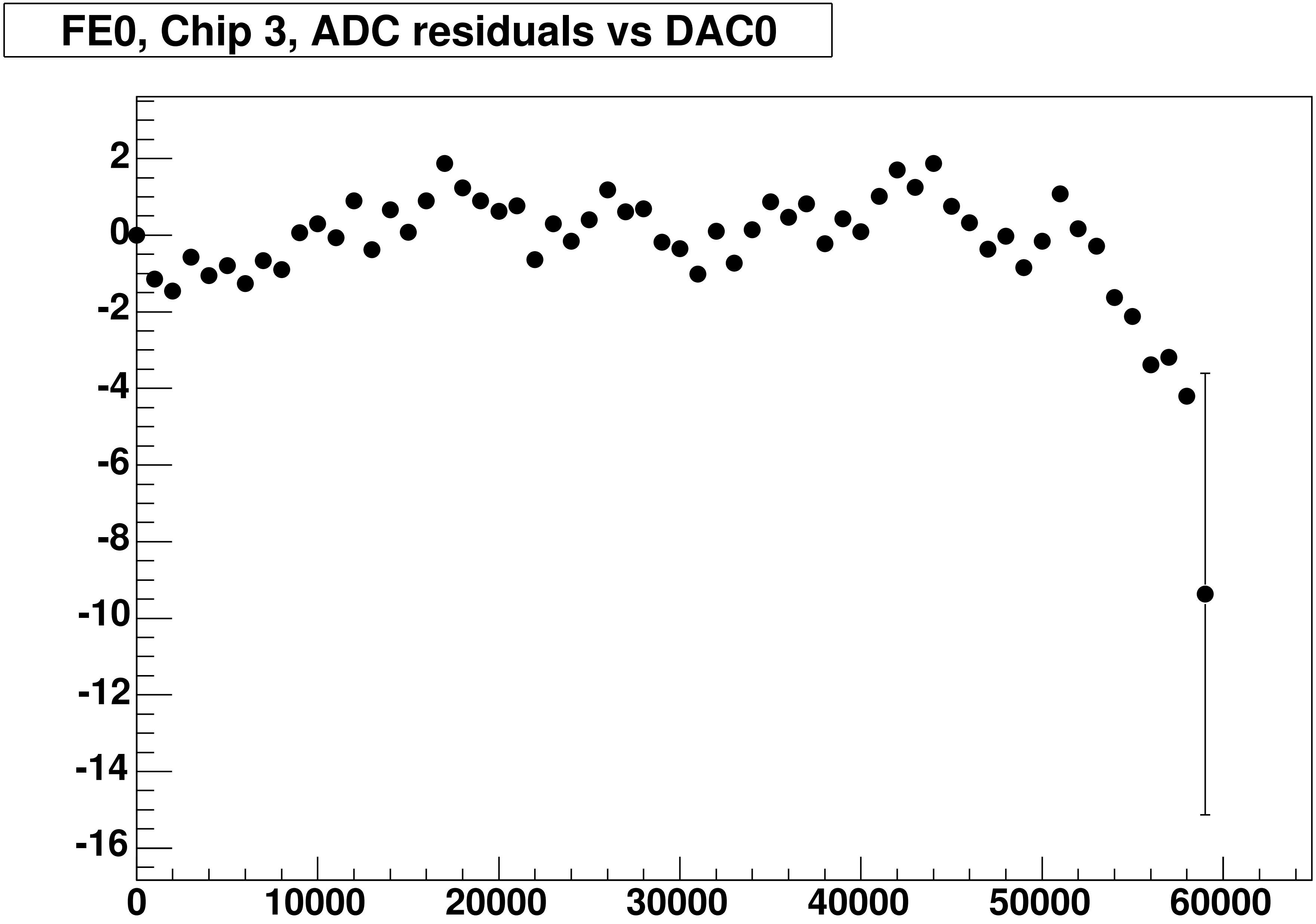


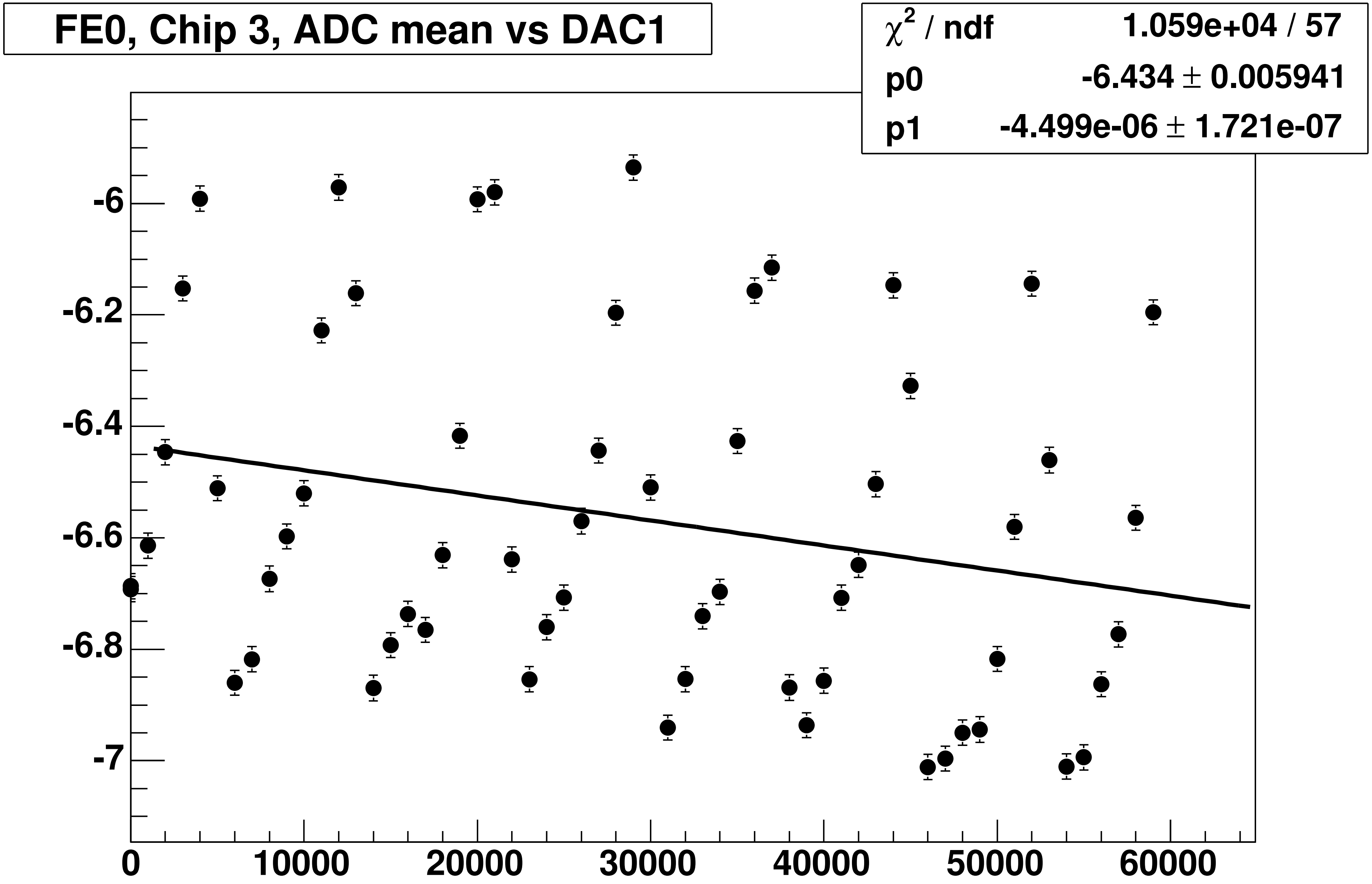
FE0, Chip 2, ADC residuals vs DAC1
0.6
0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
60000



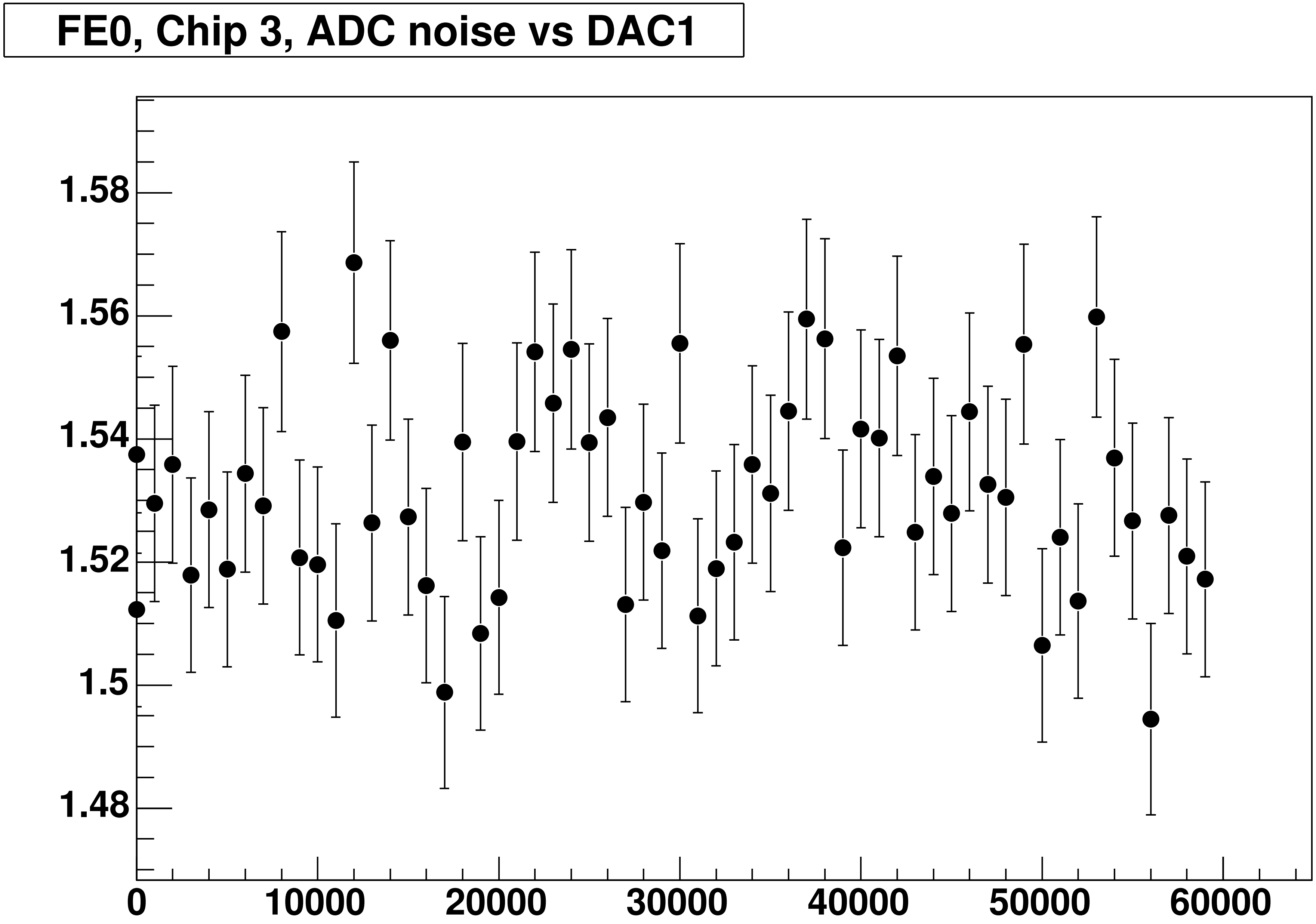
FE0, Chip 3, ADC mean vs DAC0
χ^2 / ndf 9.439e+04 / 57
p0 -6.828 ± 0.00614
p1 0.4506 ± 2.139e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

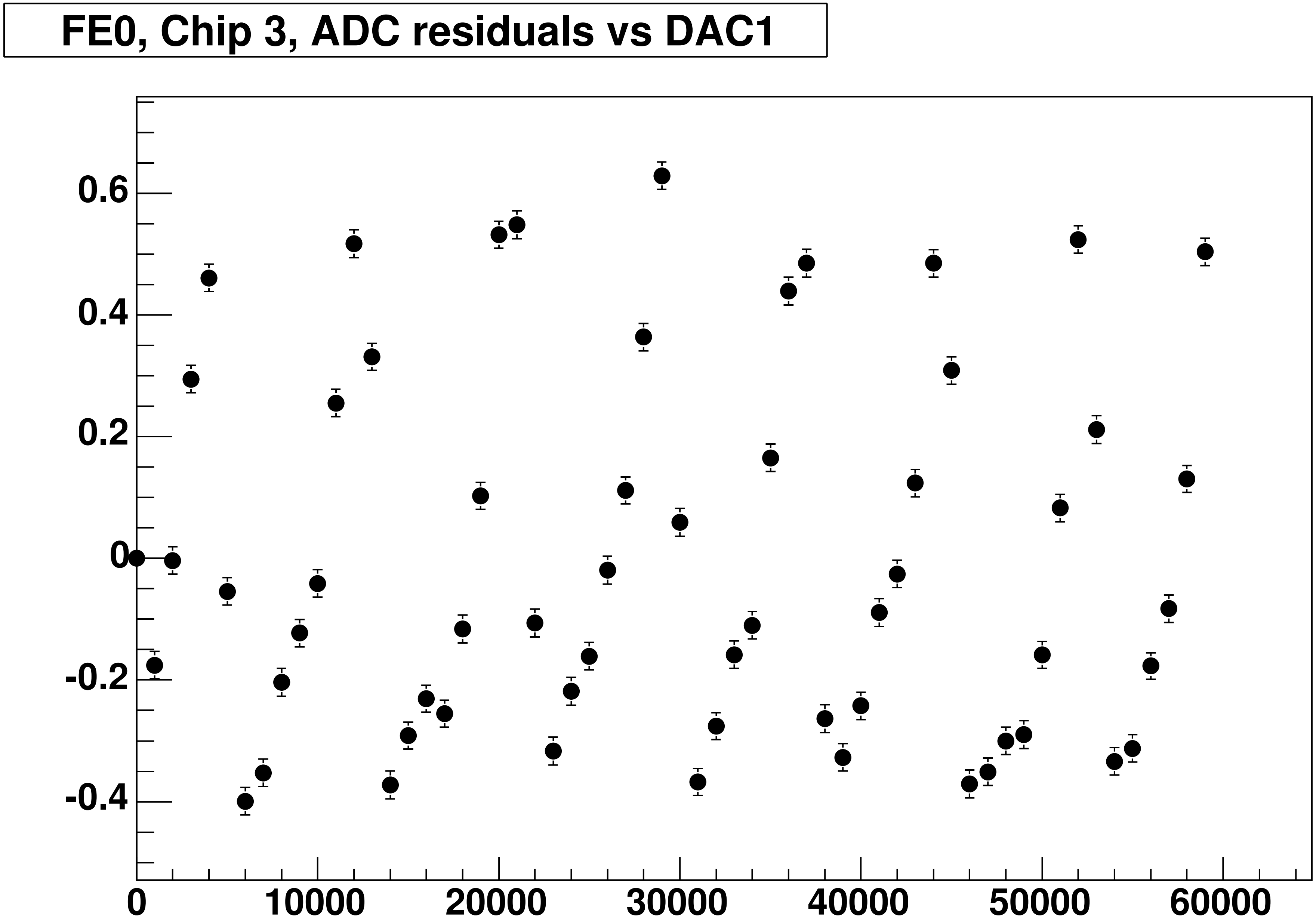

FE0, Chip 3, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000


FE0, Chip 3, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000

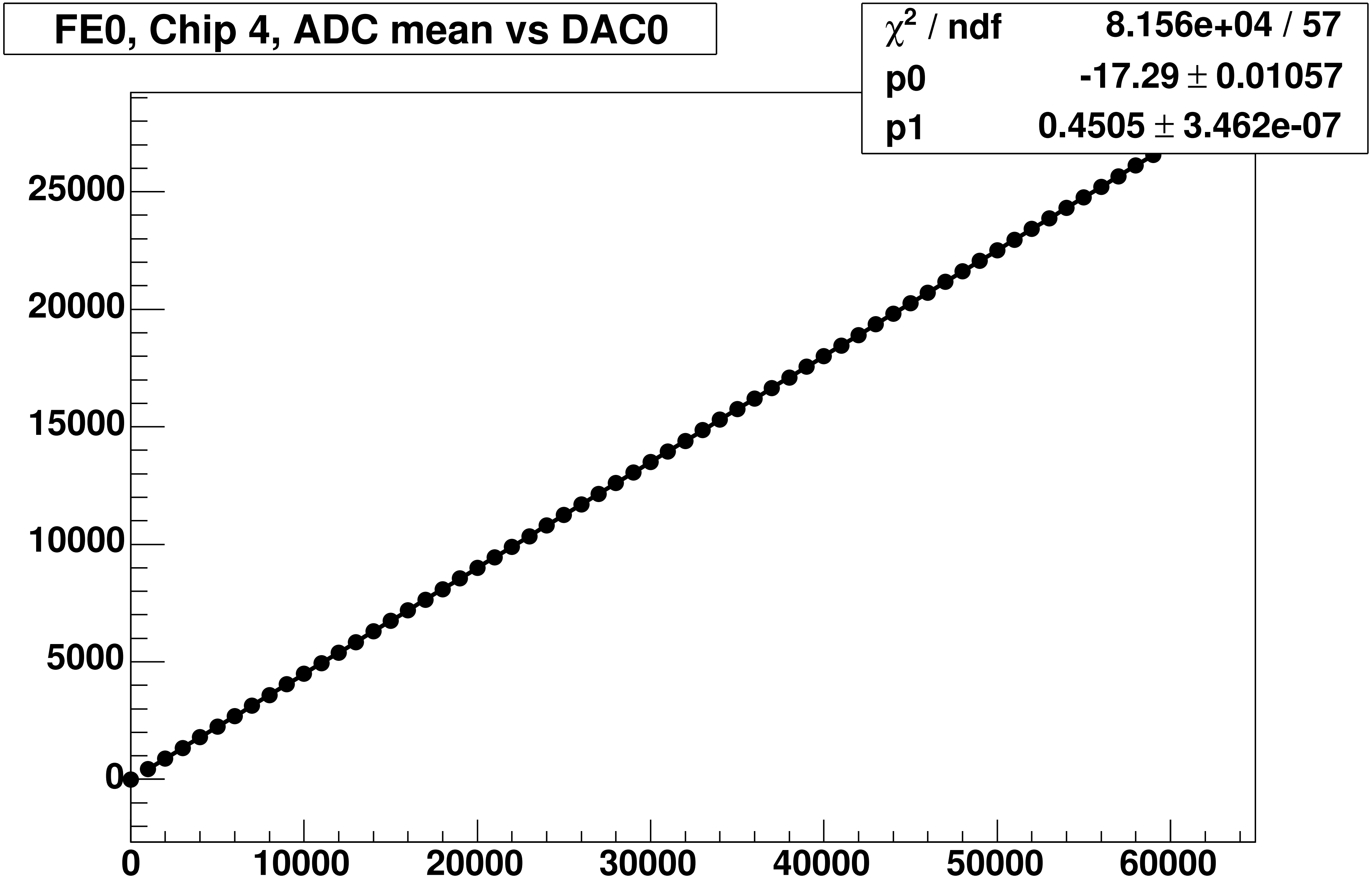


FE0, Chip 3, ADC mean vs DAC1
χ2 / ndf 1.059e+04 / 57
p0 -6.434 ± 0.005941
p1 -4.499e-06 ± 1.721e-07
-6
-6.2
-6.4
-6.6
-6.8
-7
0
10000
20000
30000
40000
50000
60000

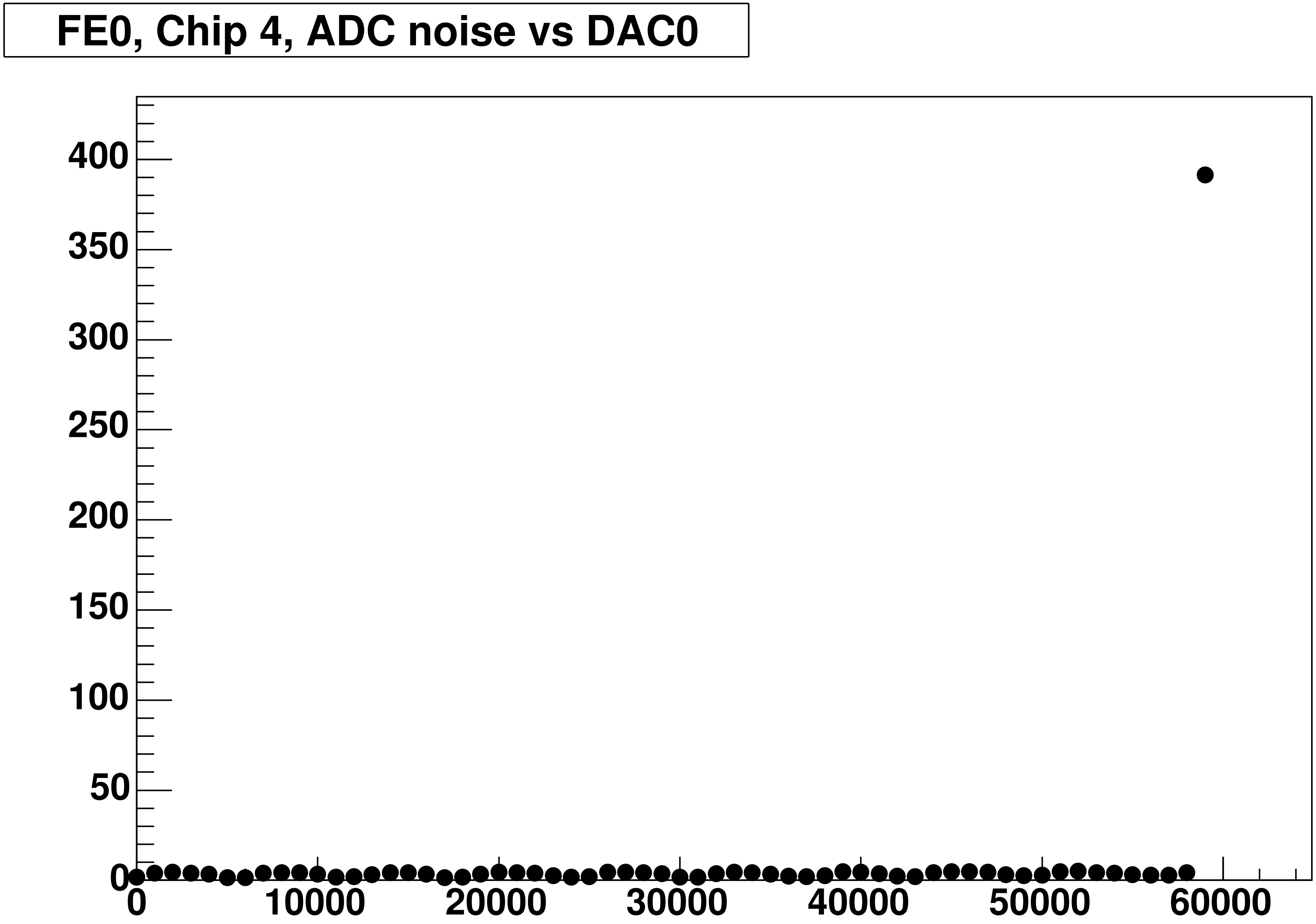

FE0, Chip 3, ADC noise vs DAC1
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000



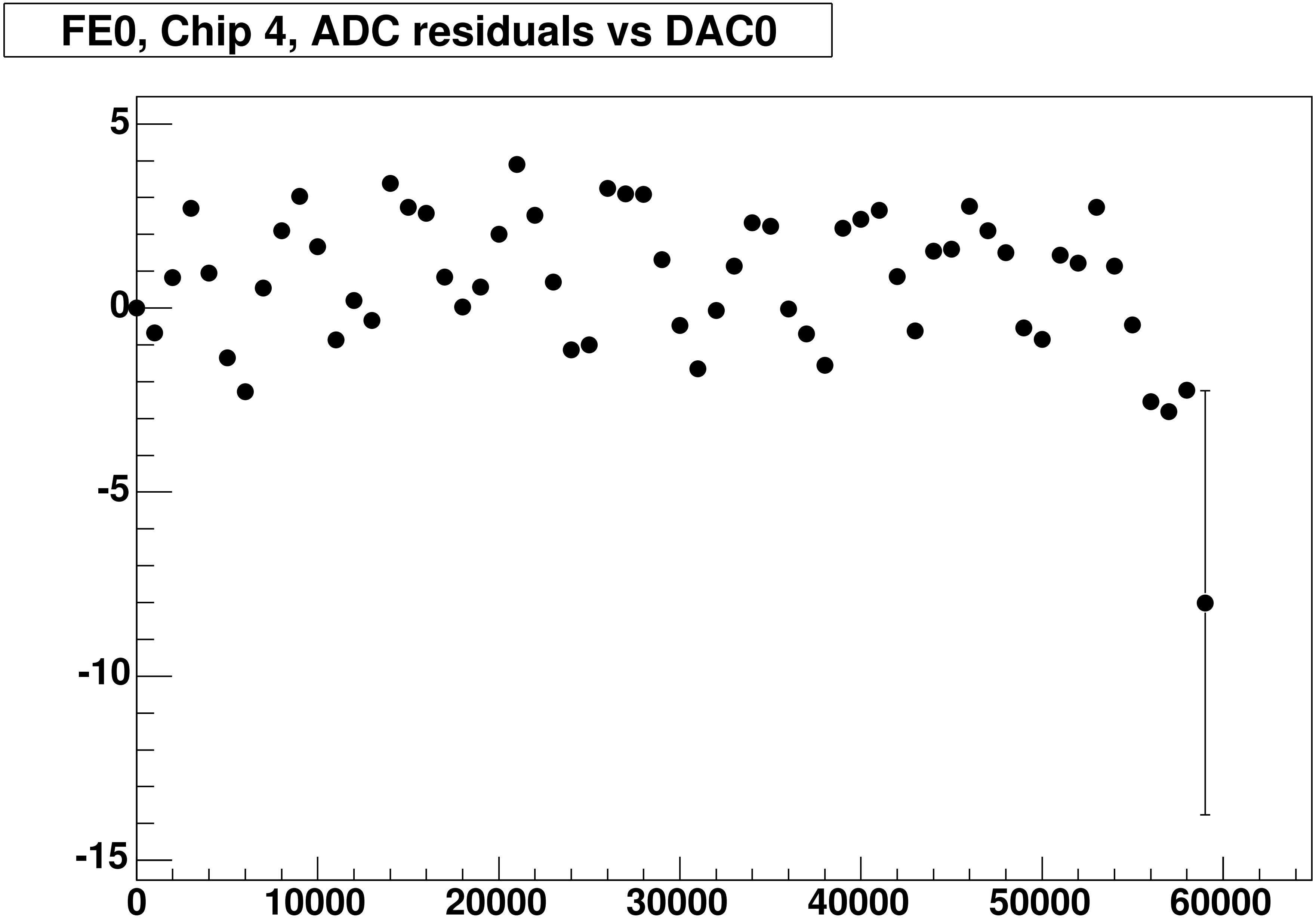
FE0, Chip 3, ADC residuals vs DAC1
0.6
0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
60000

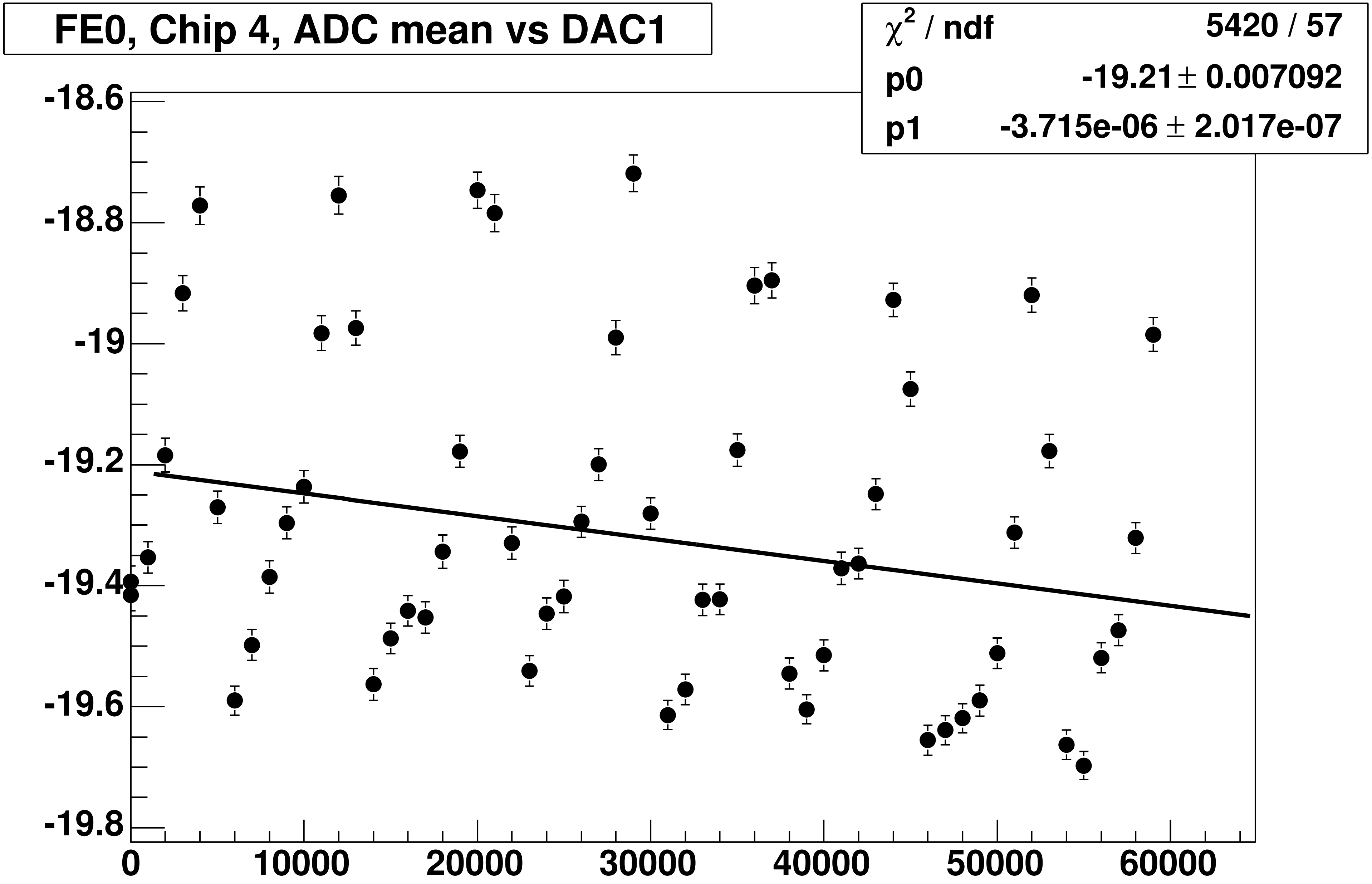


FE0, Chip 4, ADC mean vs DAC0
χ^2 / ndf 8.156e+04 / 57
p0 -17.29 ± 0.01057
p1 0.4505 ± 3.462e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

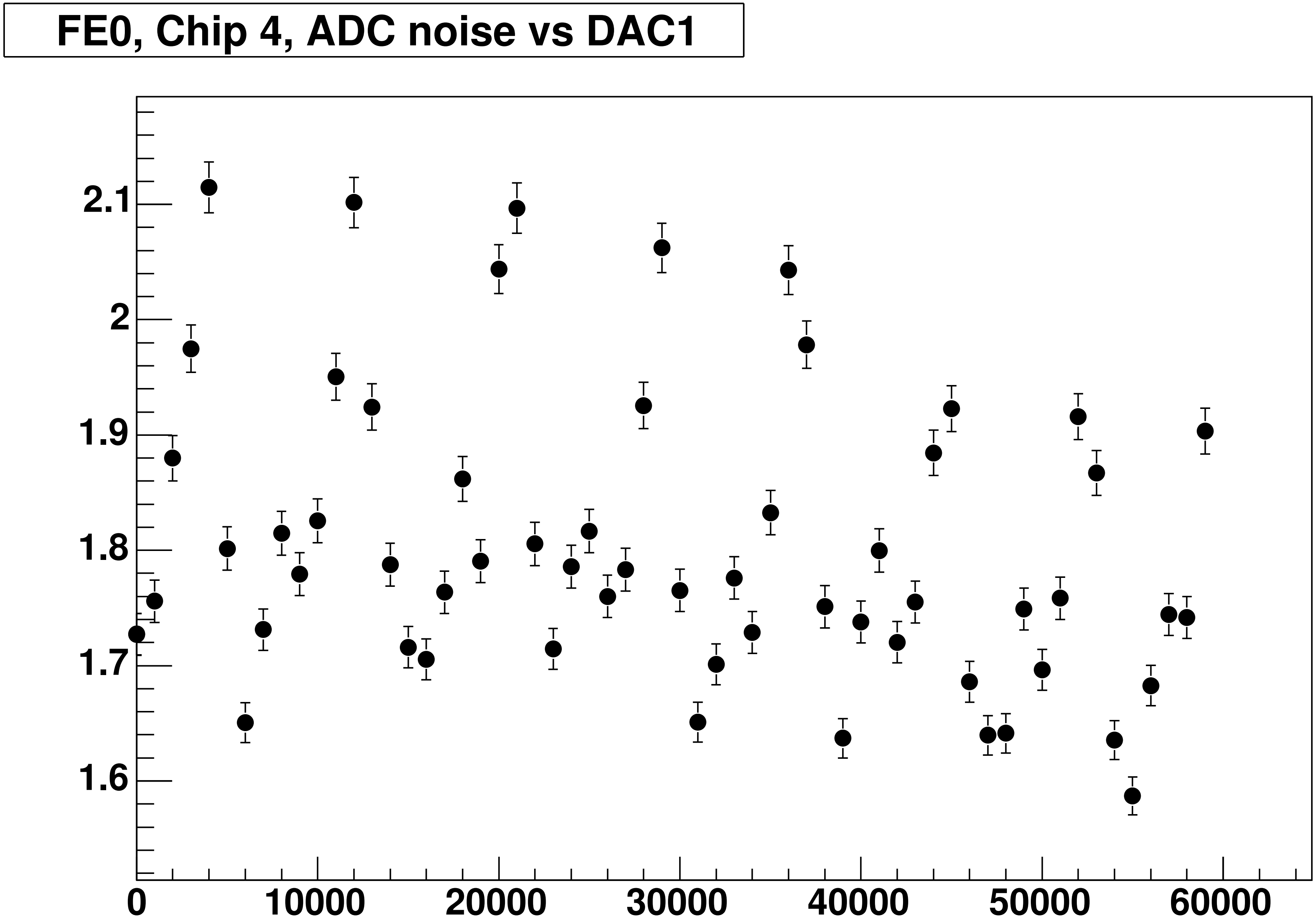


FE0, Chip 4, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

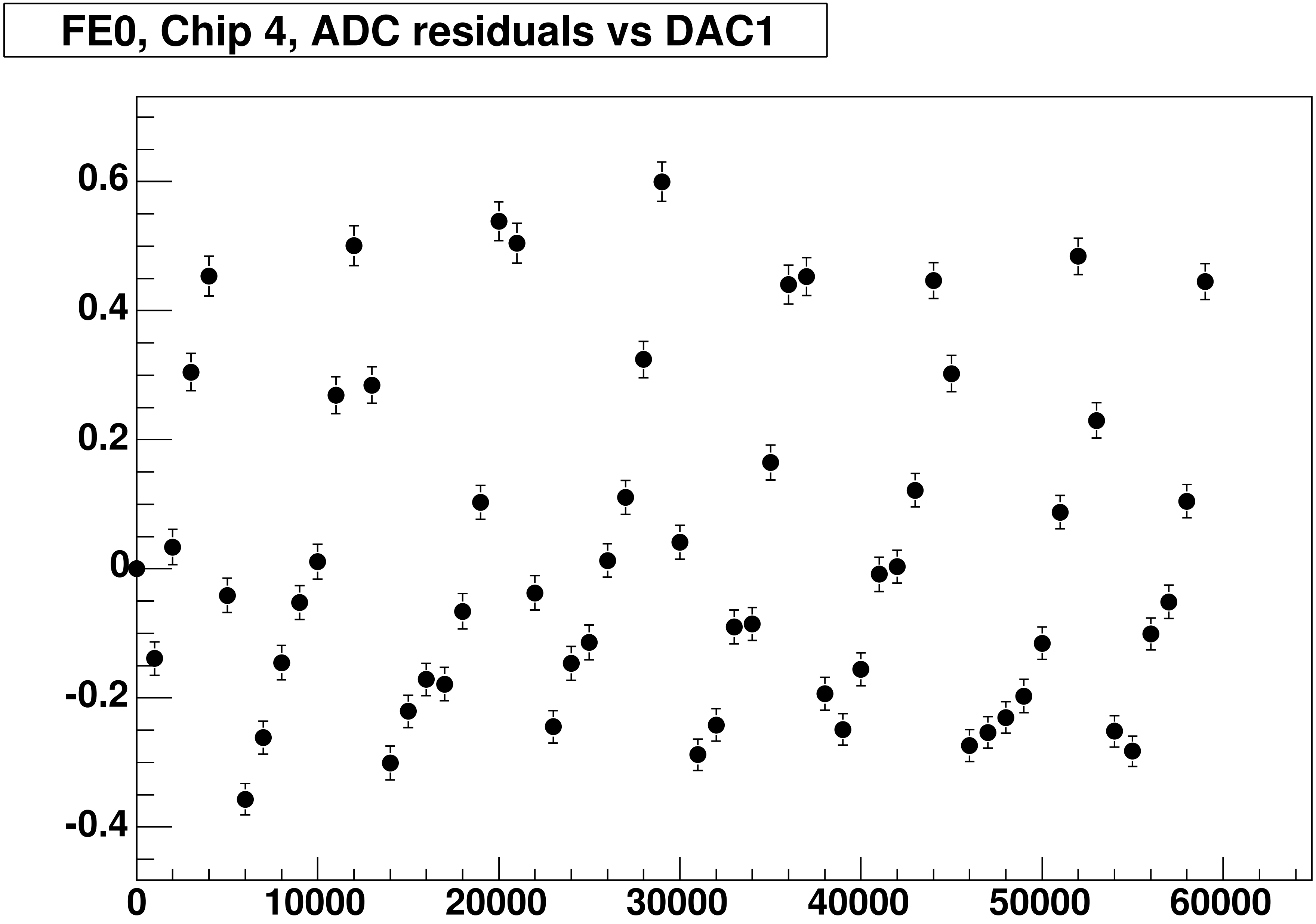

FE0, Chip 4, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

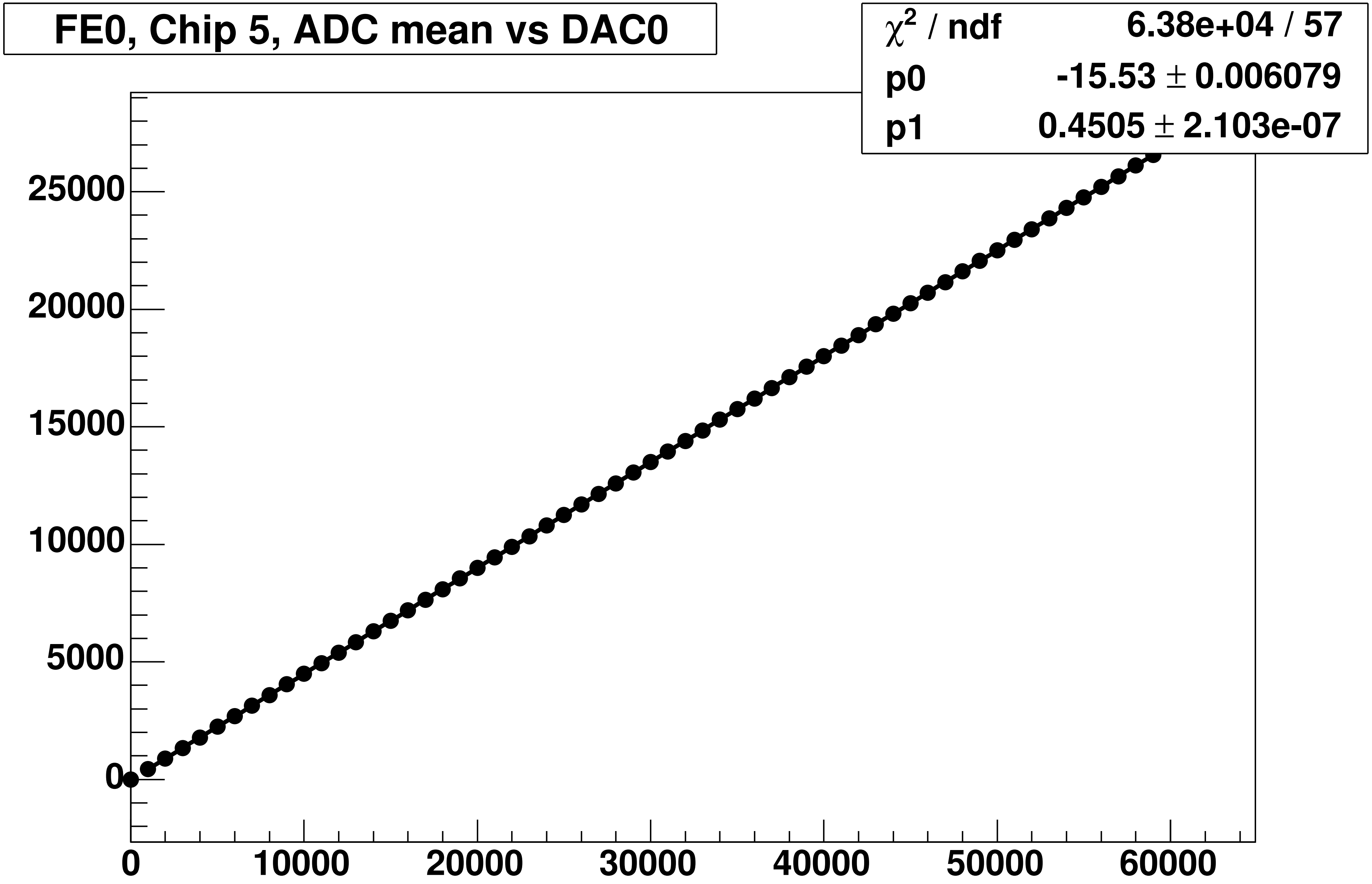


FE0, Chip 4, ADC mean vs DAC1
χ^2 / ndf 5420 / 57
p0 -19.21 ± 0.007092
p1 -3.715e-06 ± 2.017e-07
-18.6
-18.8
-19
-19.2
-19.4
-19.6
-19.8
0
10000
20000
30000
40000
50000
60000

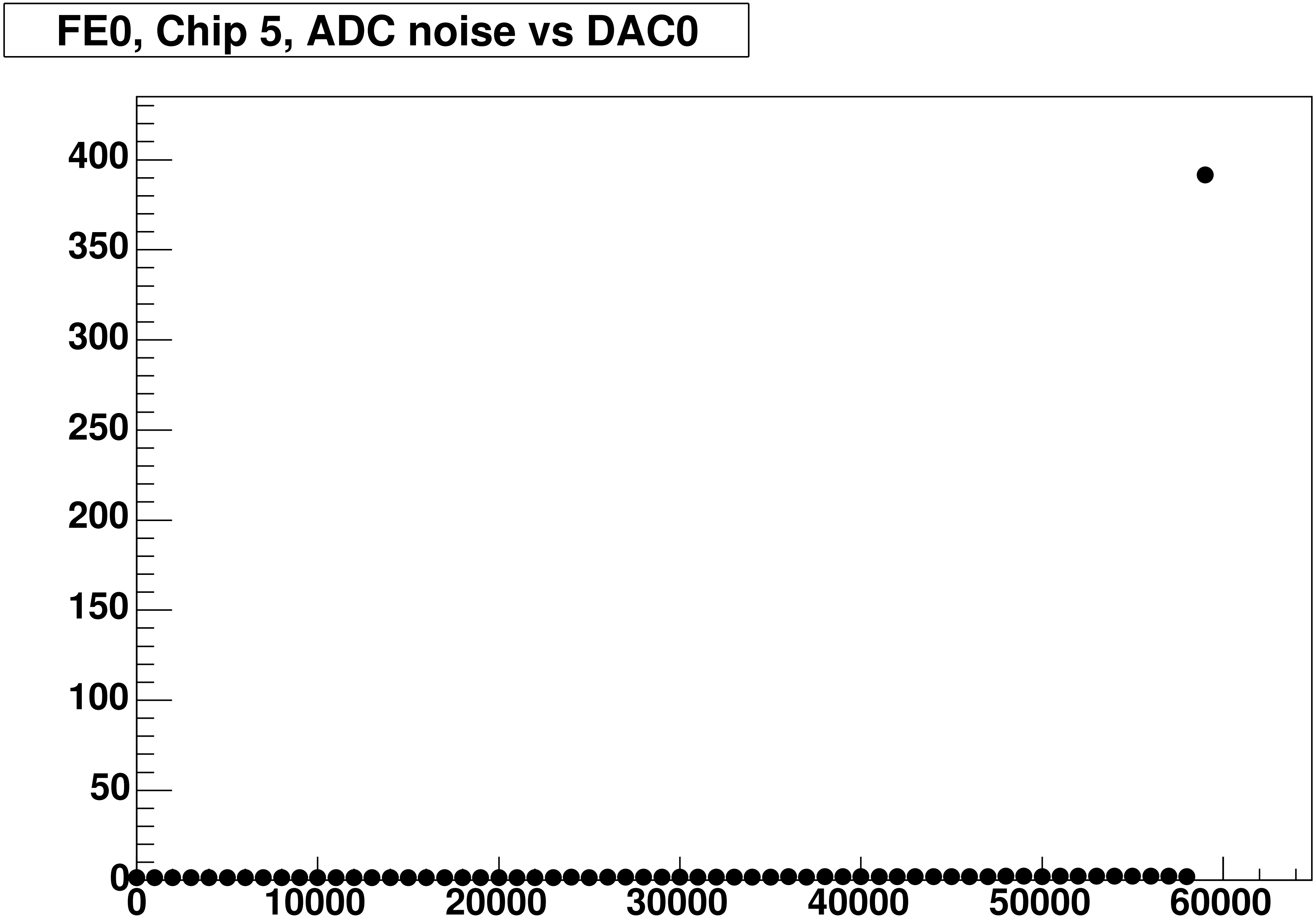


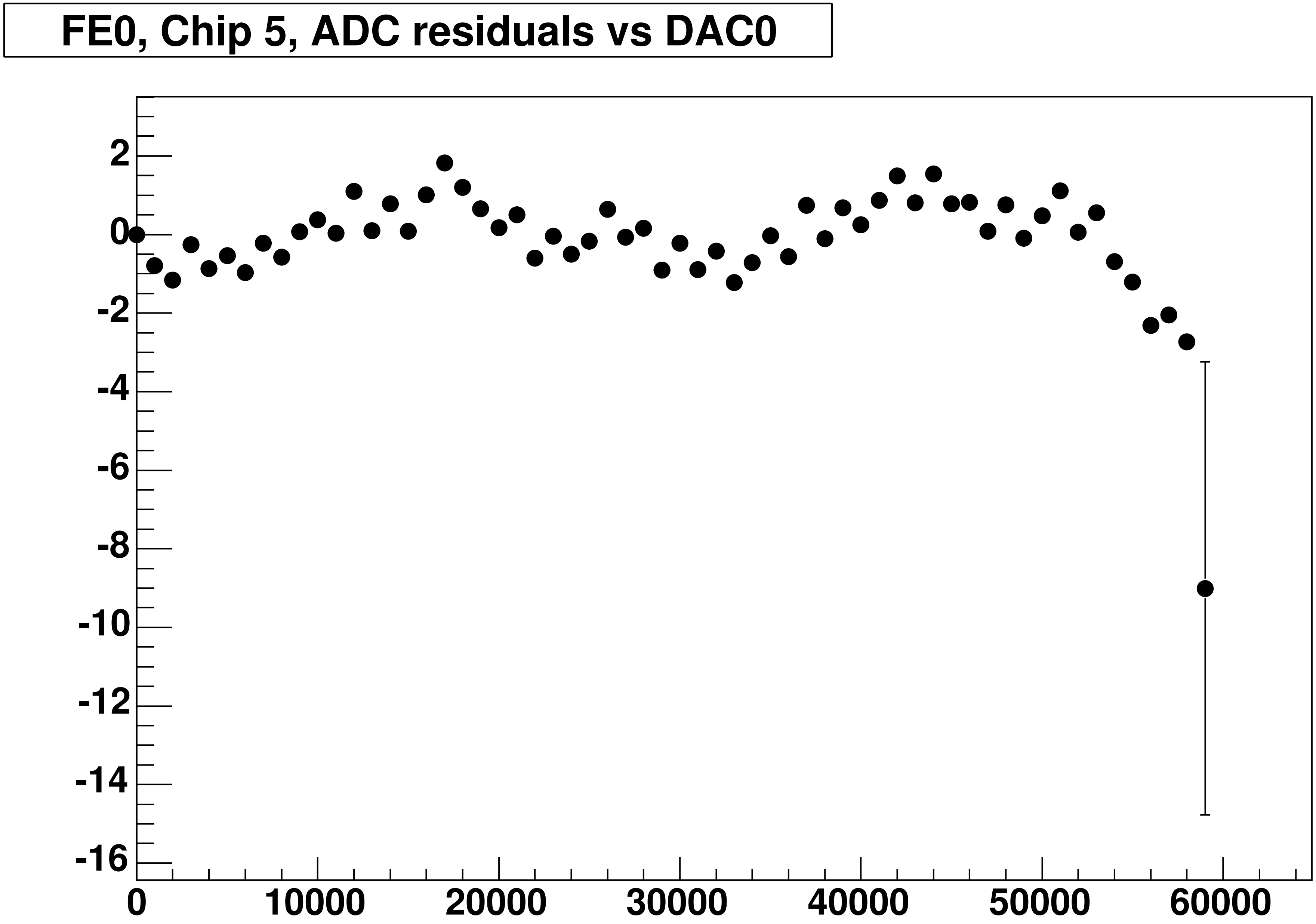
FE0, Chip 4, ADC noise vs DAC1
2.1
2
1.9
1.8
1.7
1.6
0
10000
20000
30000
40000
50000
60000


FE0, Chip 4, ADC residuals vs DAC1
0.6
0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
60000

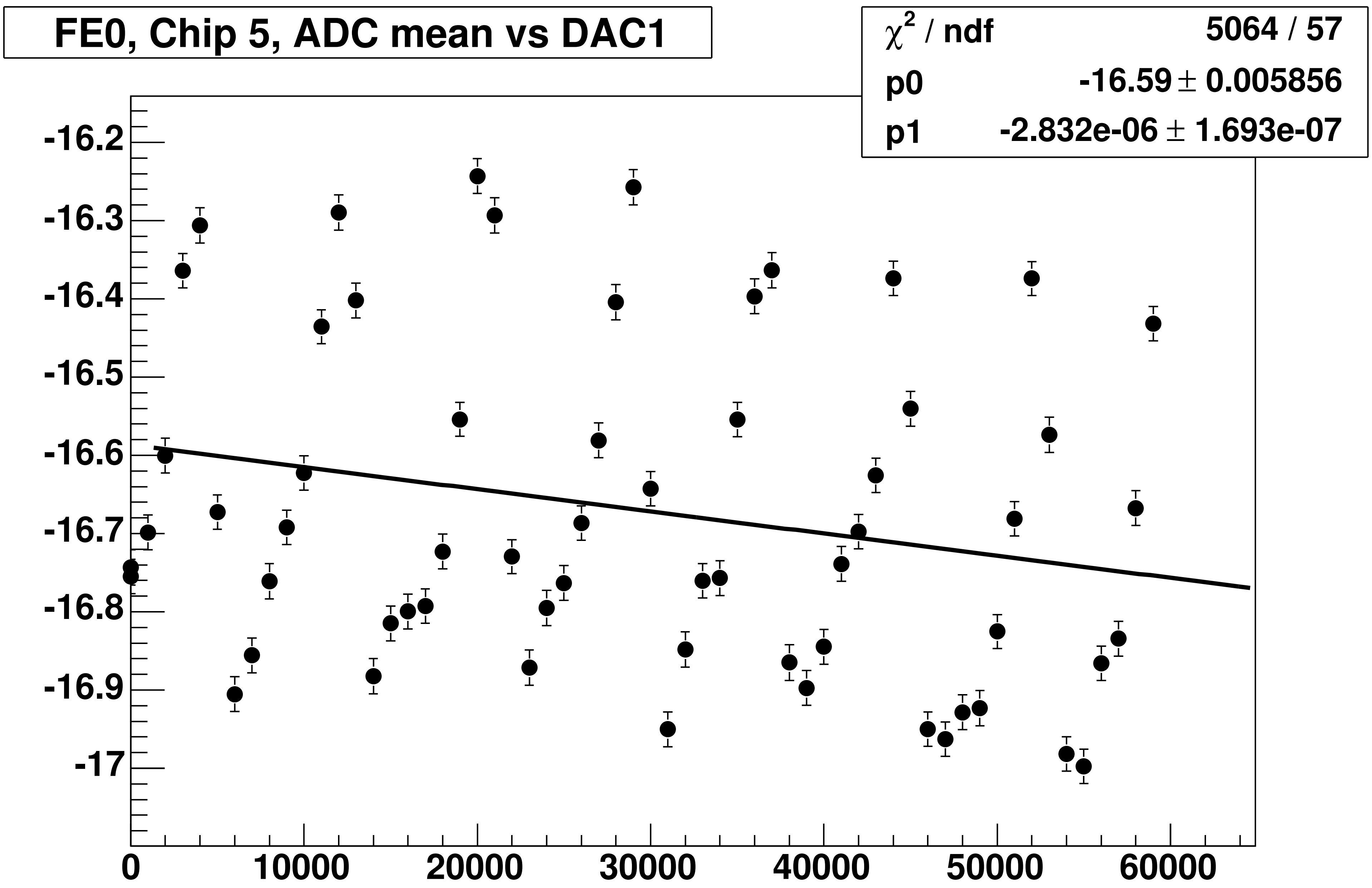


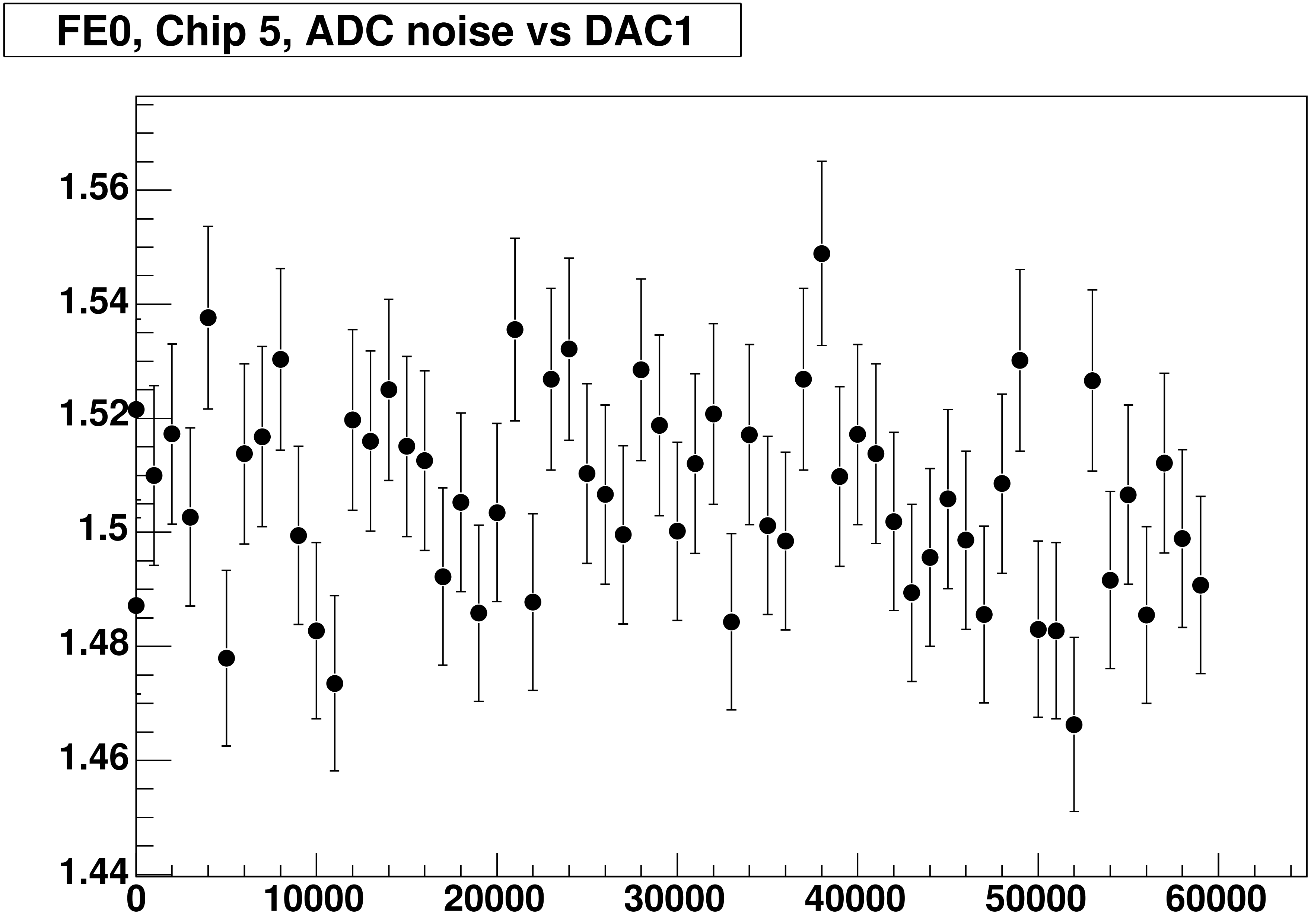
FE0, Chip 5, ADC mean vs DAC0
χ^2 / ndf 6.38e+04 / 57
p0 -15.53 ± 0.006079
p1 0.4505 ± 2.103e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

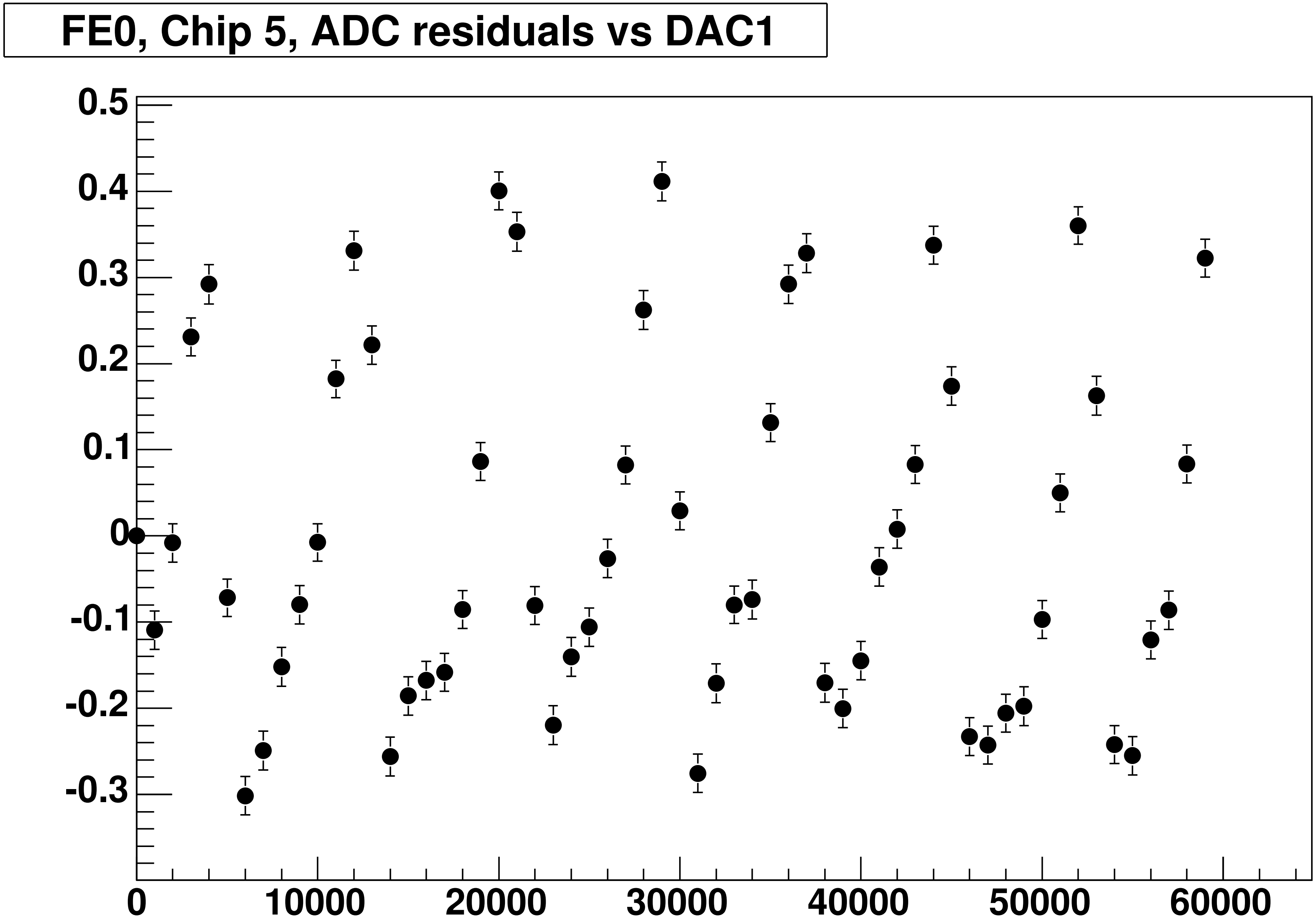

FE0, Chip 5, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000



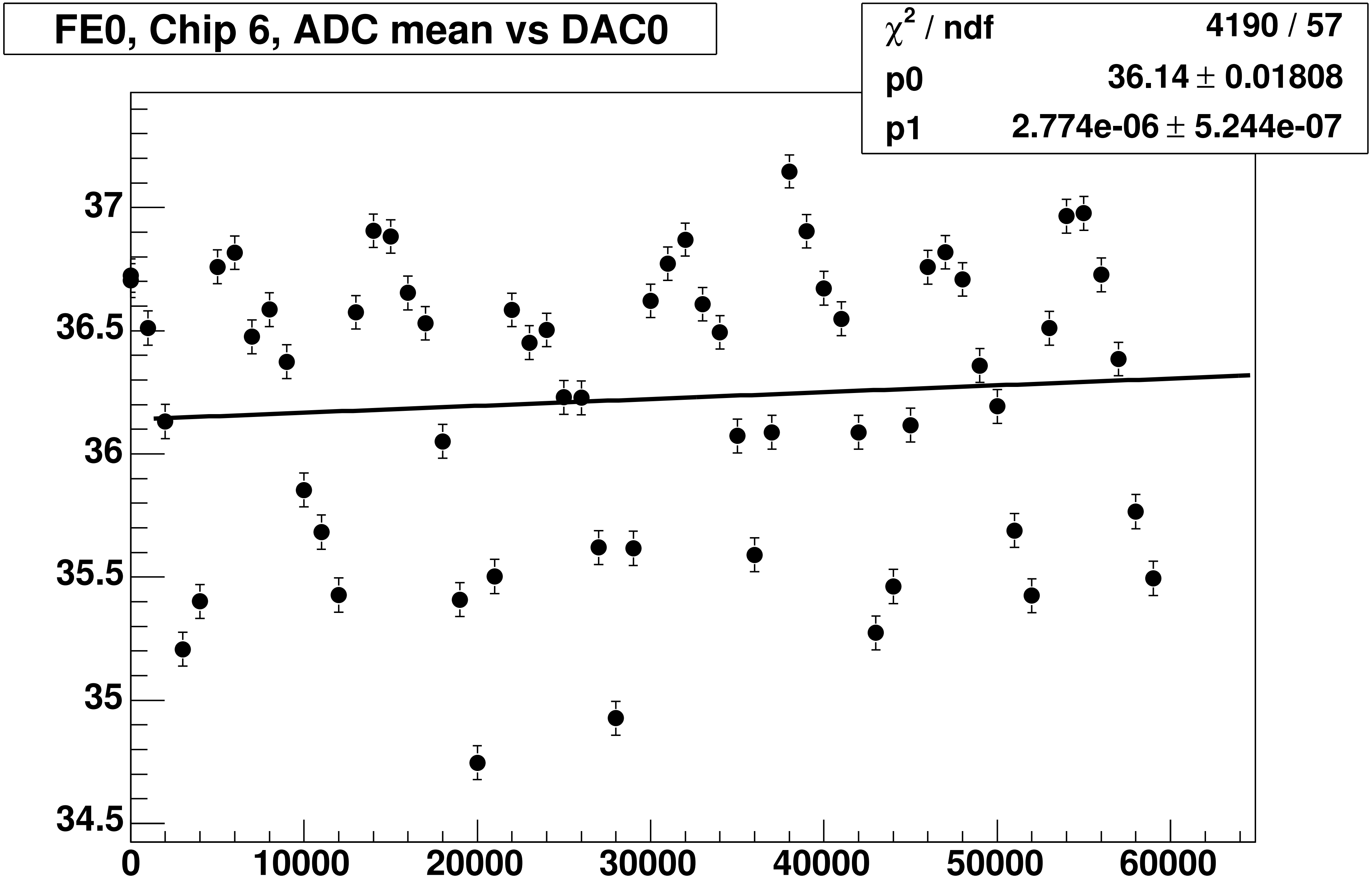
FE0, Chip 5, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000

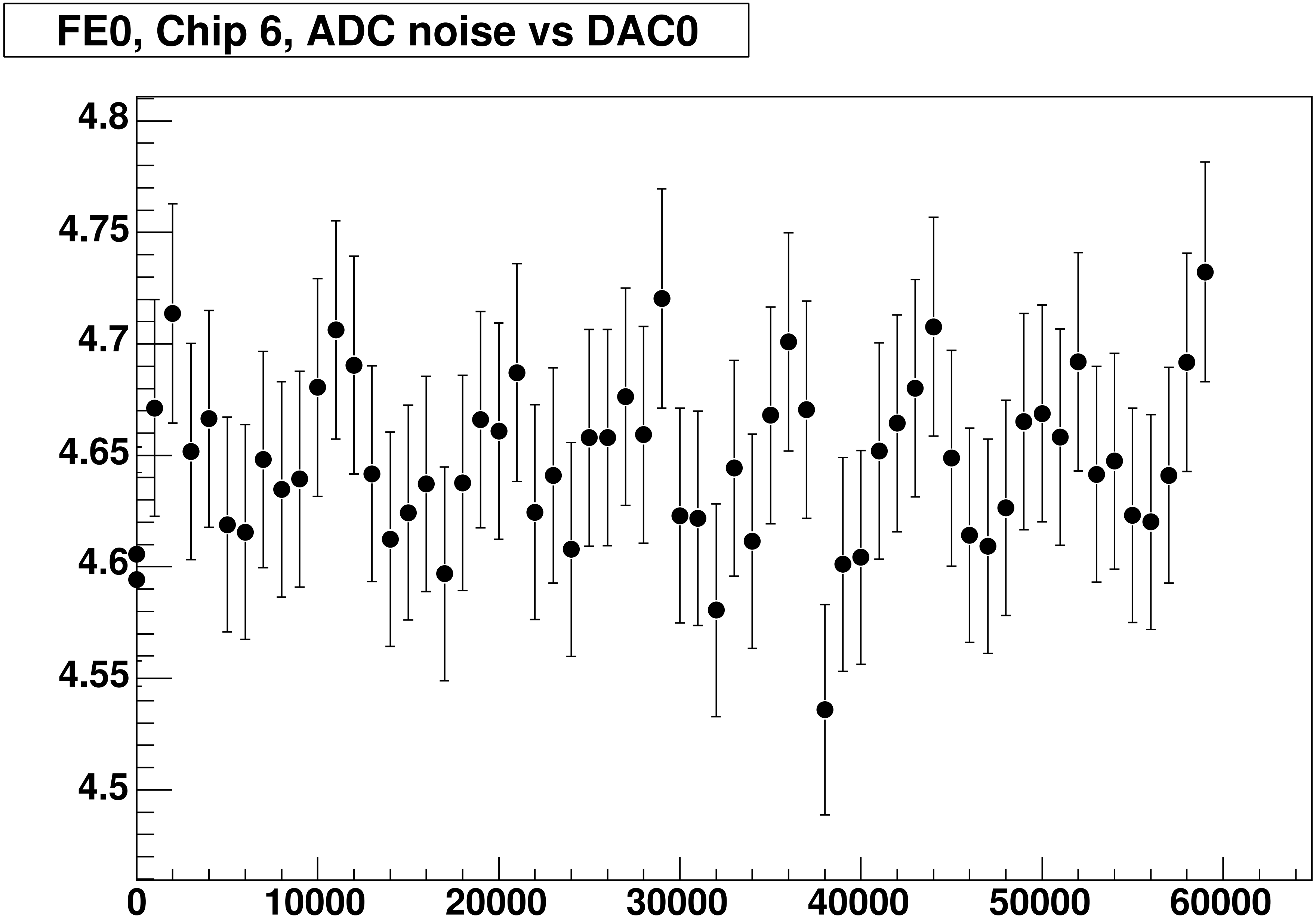

FE0, Chip 5, ADC mean vs DAC1
χ² / ndf 5064 / 57
p0 -16.59 ± 0.005856
p1 -2.832e-06 ± 1.693e-07
-16.2
-16.3
-16.4
-16.5
-16.6
-16.7
-16.8
-16.9
-17
0
10000
20000
30000
40000
50000
60000

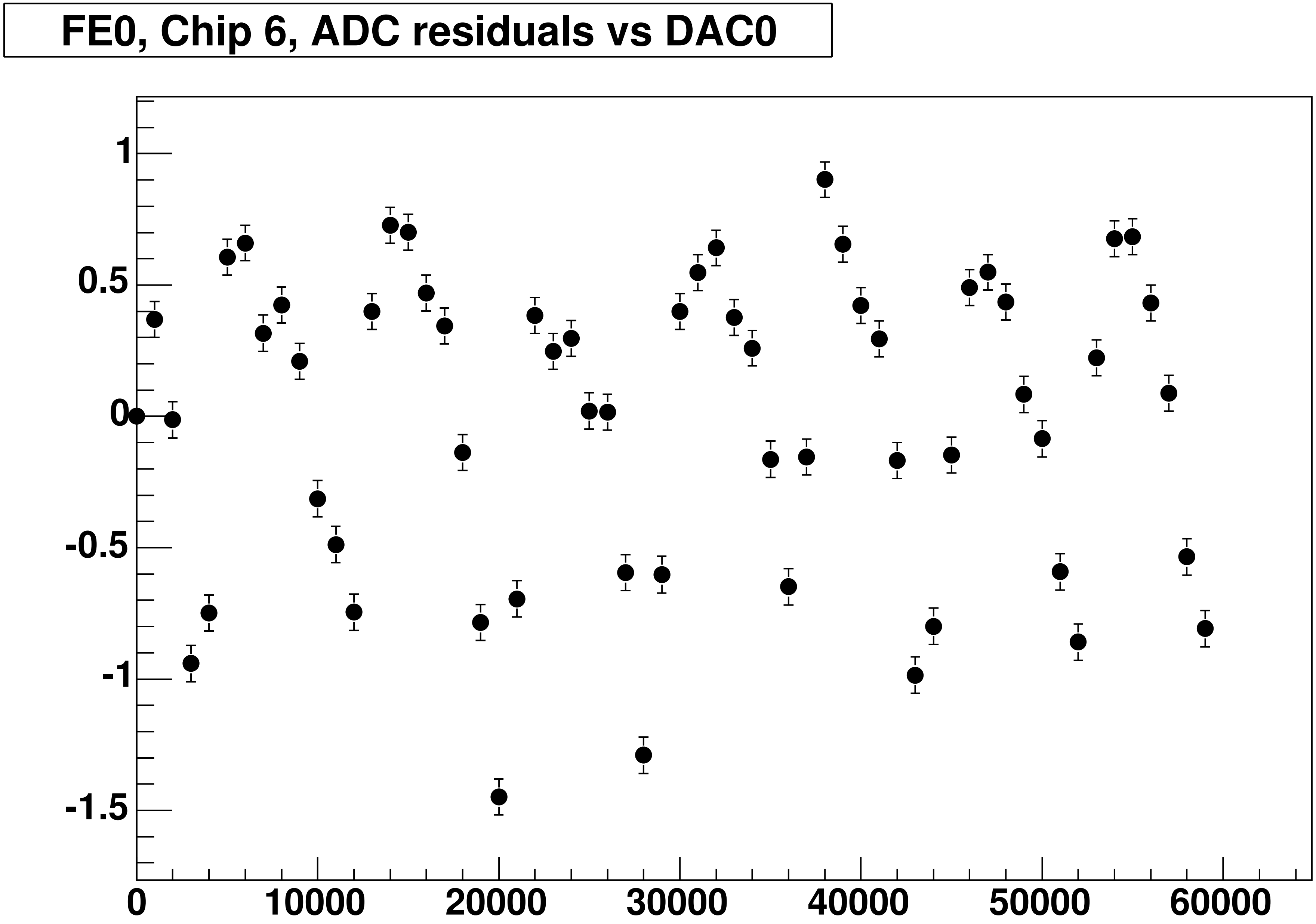

FE0, Chip 5, ADC noise vs DAC1
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

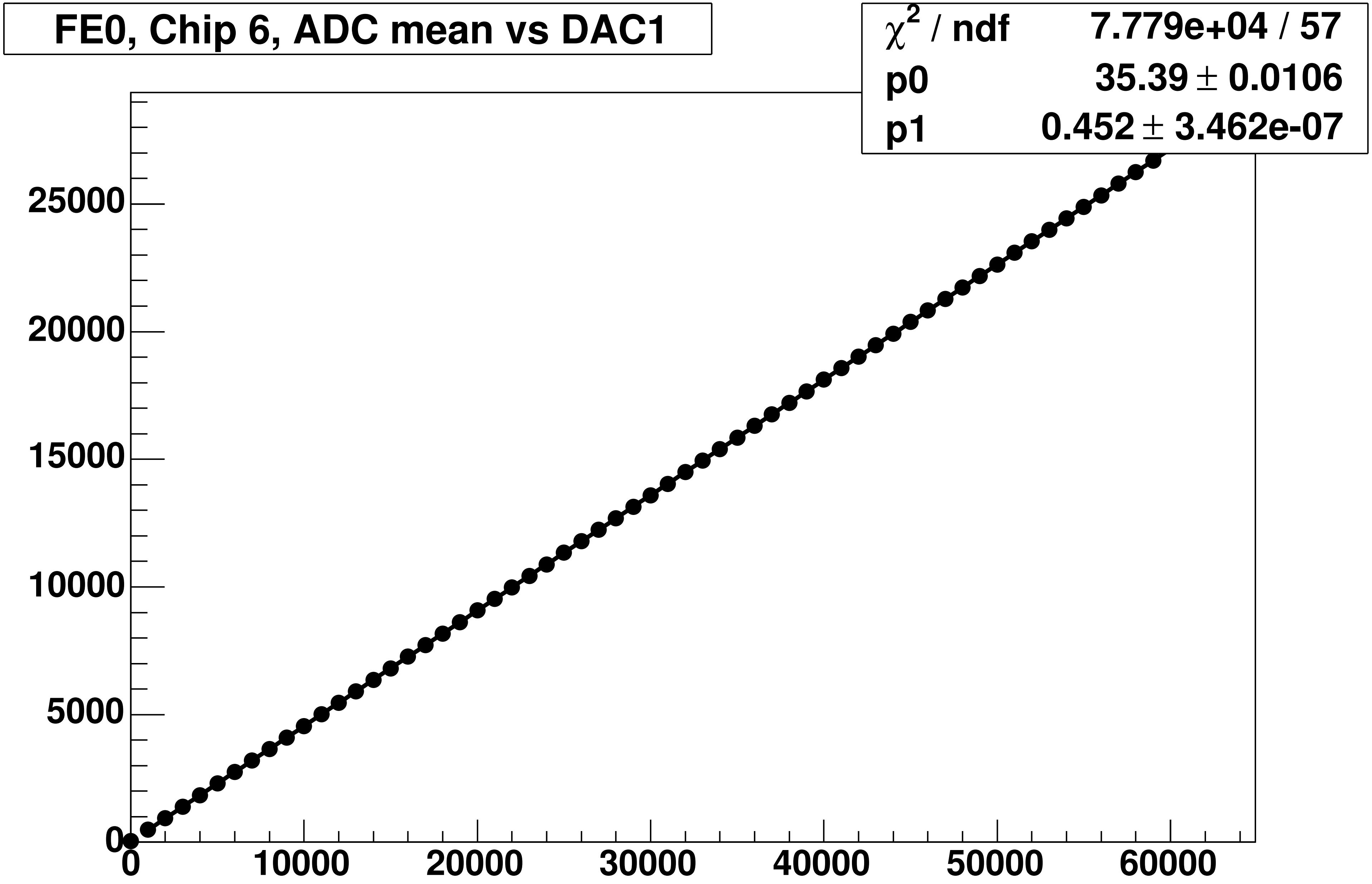


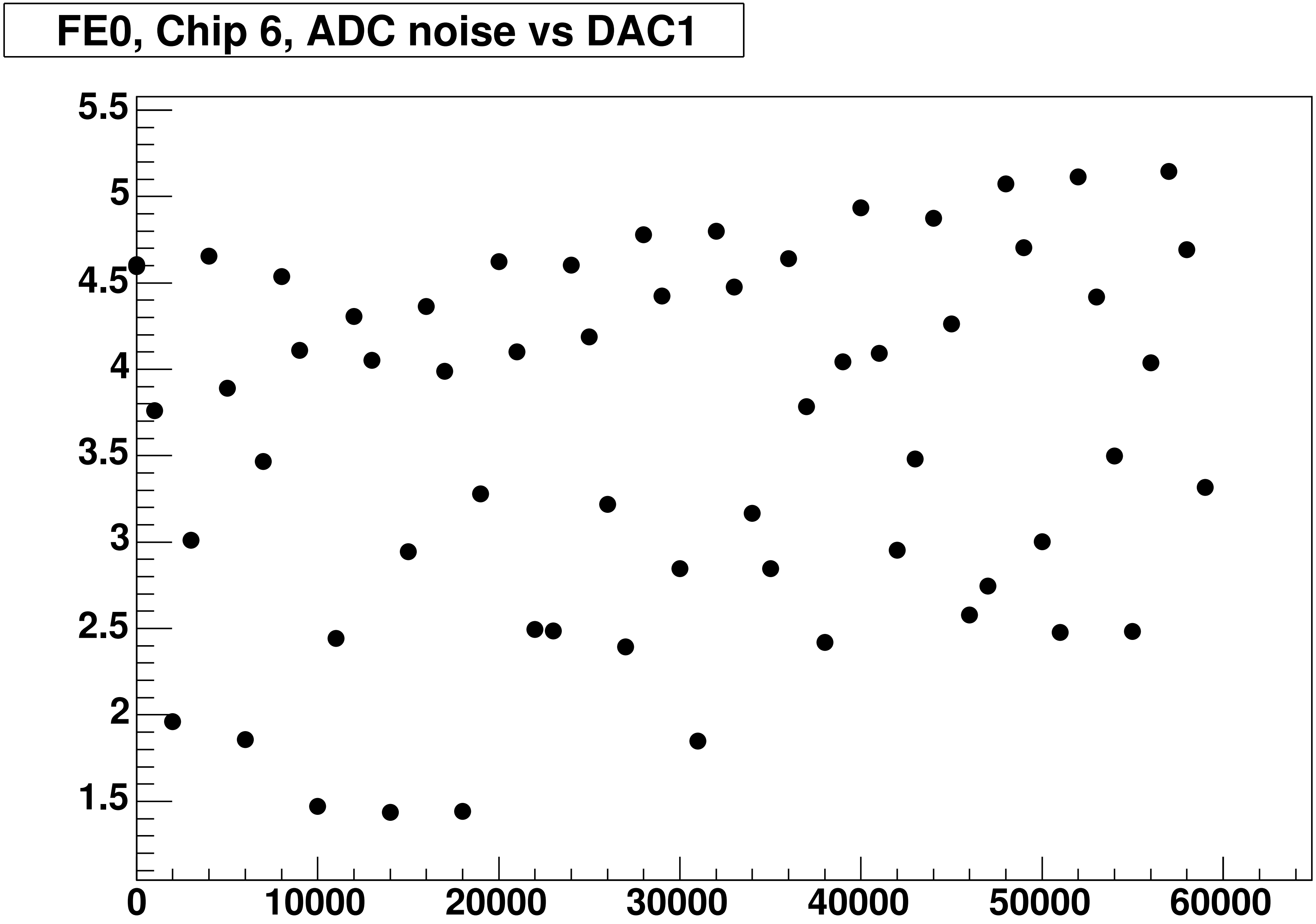
FE0, Chip 5, ADC residuals vs DAC1
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
0
10000
20000
30000
40000
50000
60000

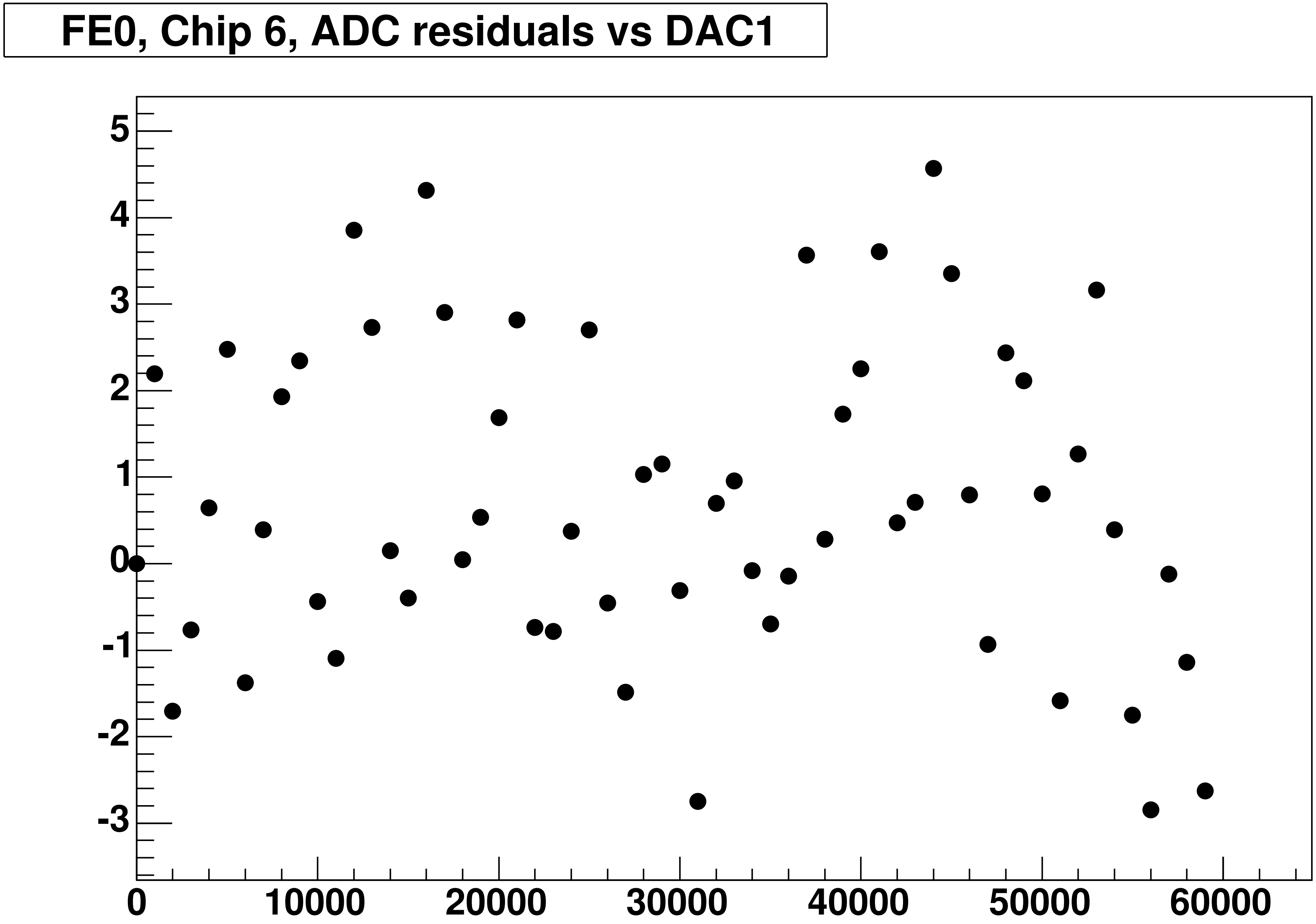

FE0, Chip 6, ADC mean vs DAC0
χ² / ndf 4190 / 57
p0 36.14 ± 0.01808
p1 2.774e-06 ± 5.244e-07
37
36.5
36
35.5
35
34.5
0
10000
20000
30000
40000
50000
60000

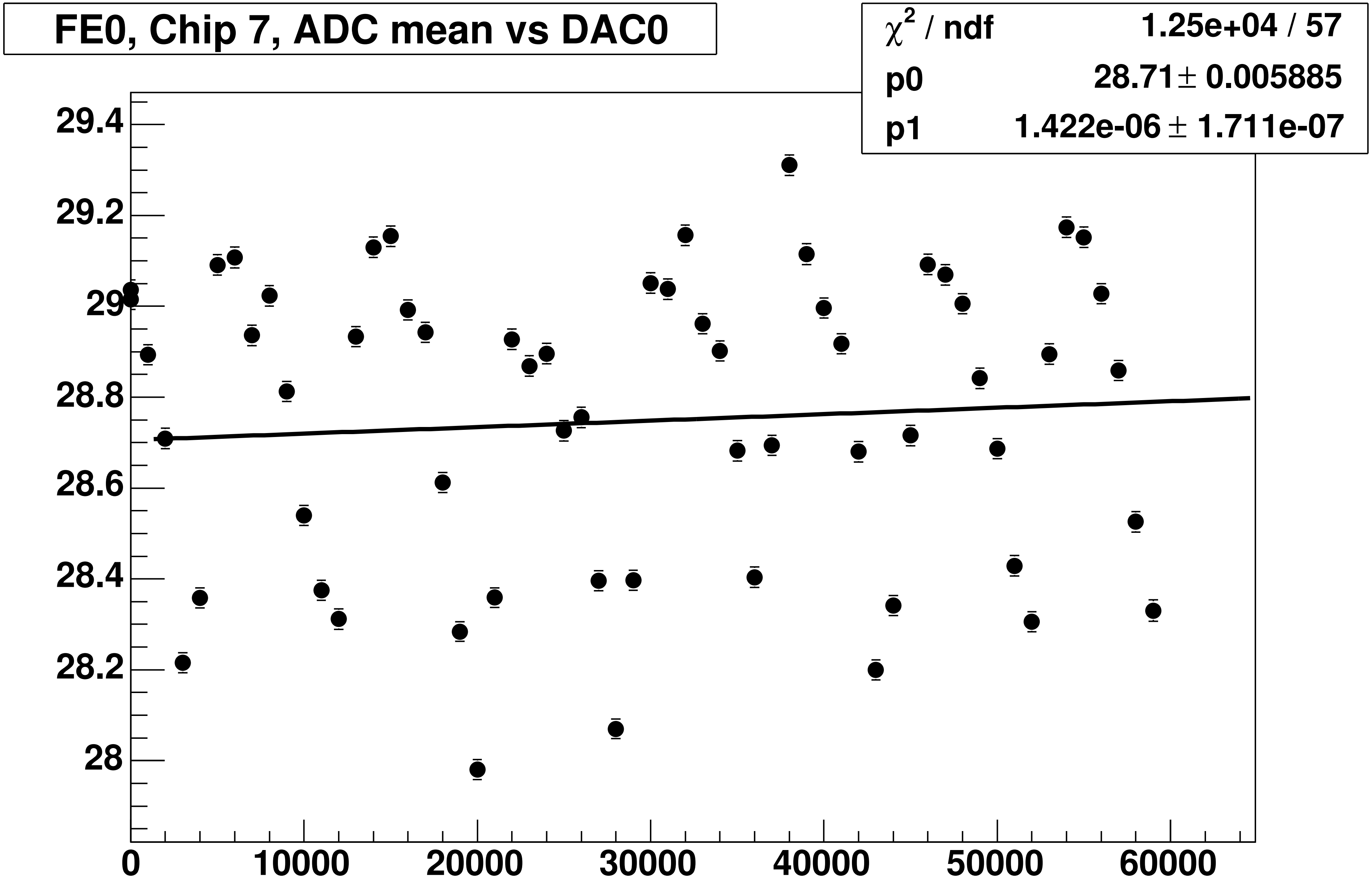

FE0, Chip 6, ADC noise vs DAC0
4.8
4.75
4.7
4.65
4.6
4.55
4.5
0
10000
20000
30000
40000
50000
60000


FE0, Chip 6, ADC residuals vs DAC0
1
0.5
0
-0.5
-1
-1.5
0
10000
20000
30000
40000
50000
60000


FE0, Chip 6, ADC mean vs DAC1
χ^2 / ndf 7.779e+04 / 57
p0 35.39 ± 0.0106
p1 0.452 ± 3.462e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

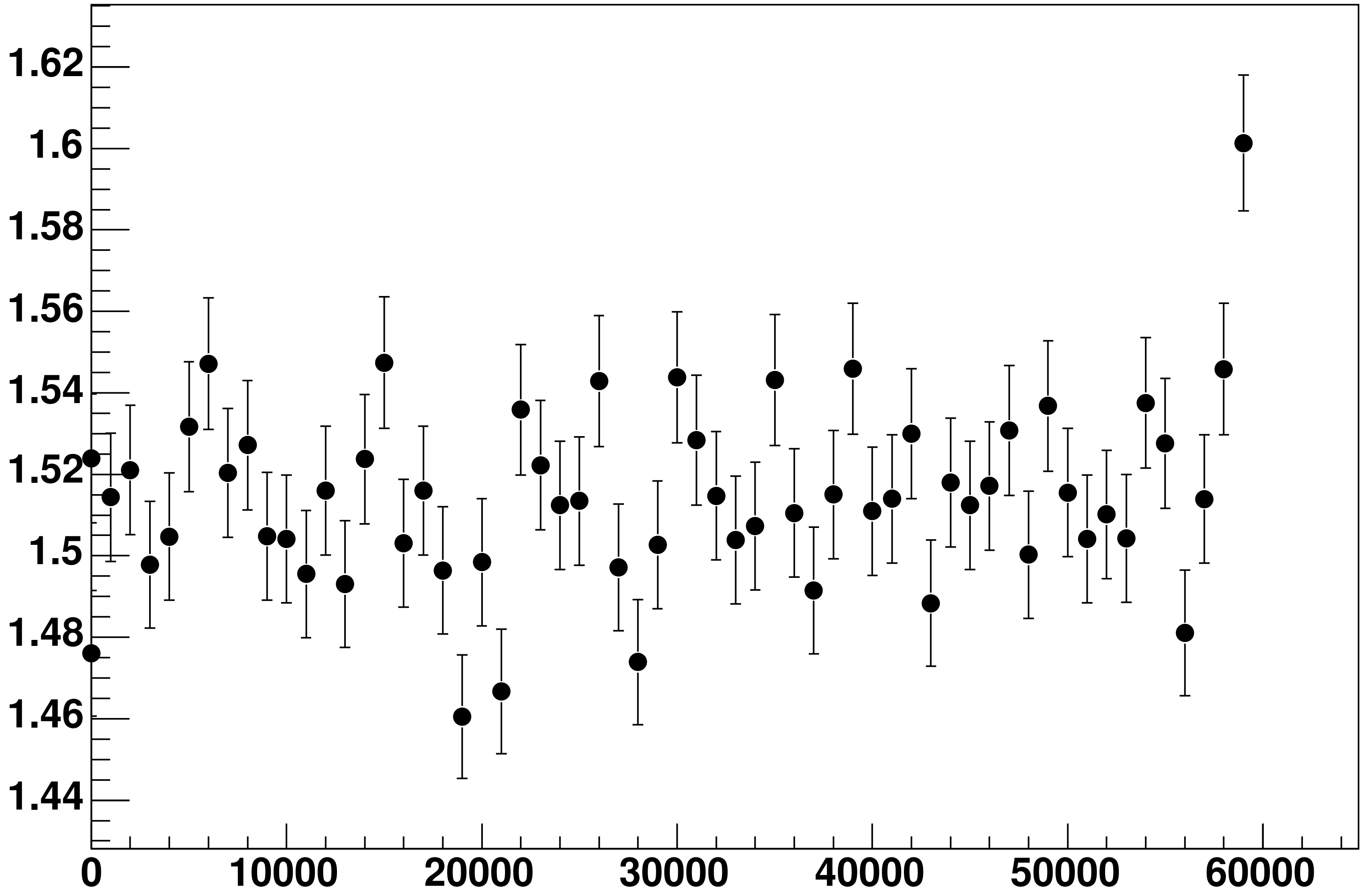

FE0, Chip 6, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

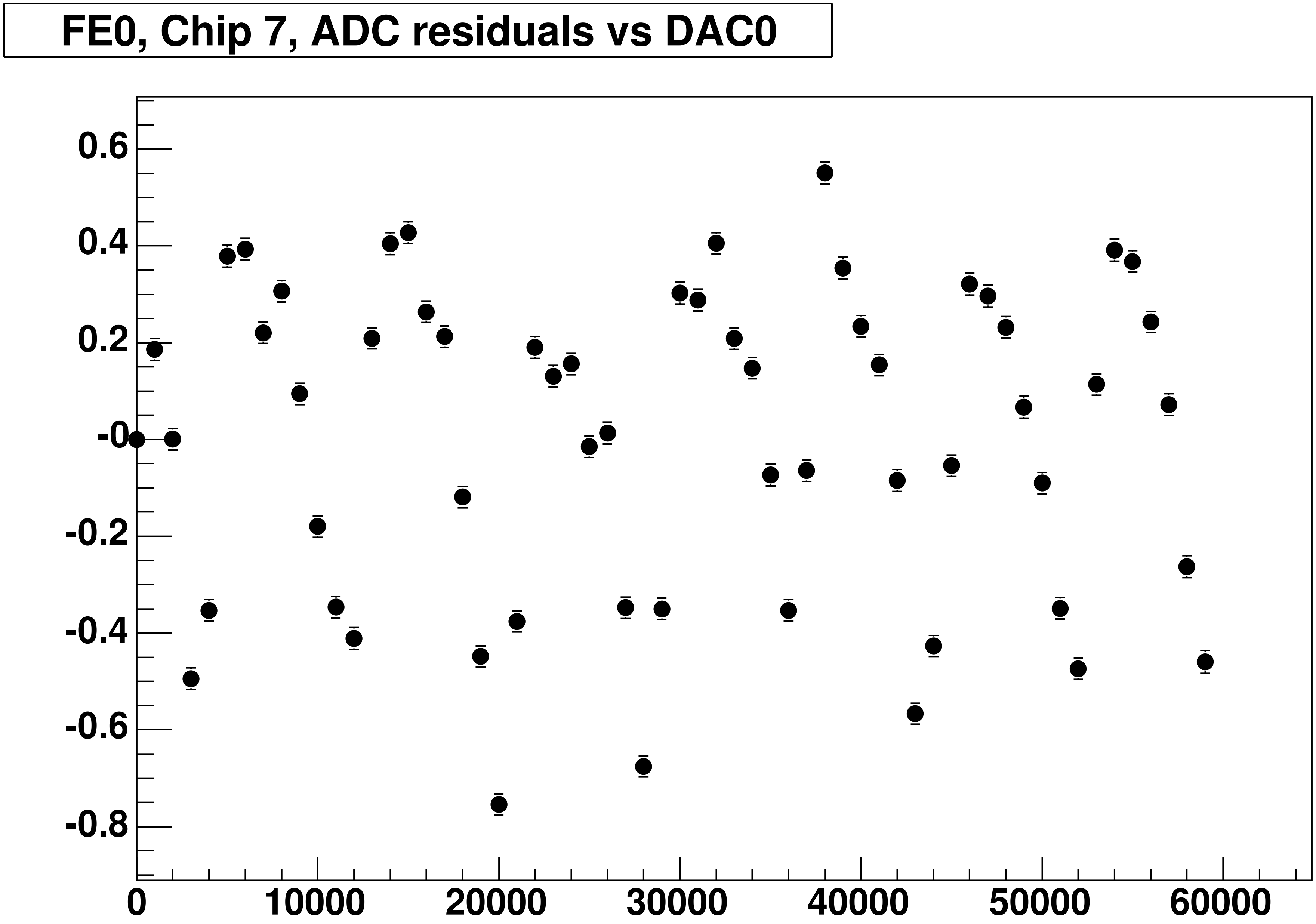

FE0, Chip 6, ADC residuals vs DAC1
5
4
3
2
1
0
-1
-2
-3
0
10000
20000
30000
40000
50000
60000

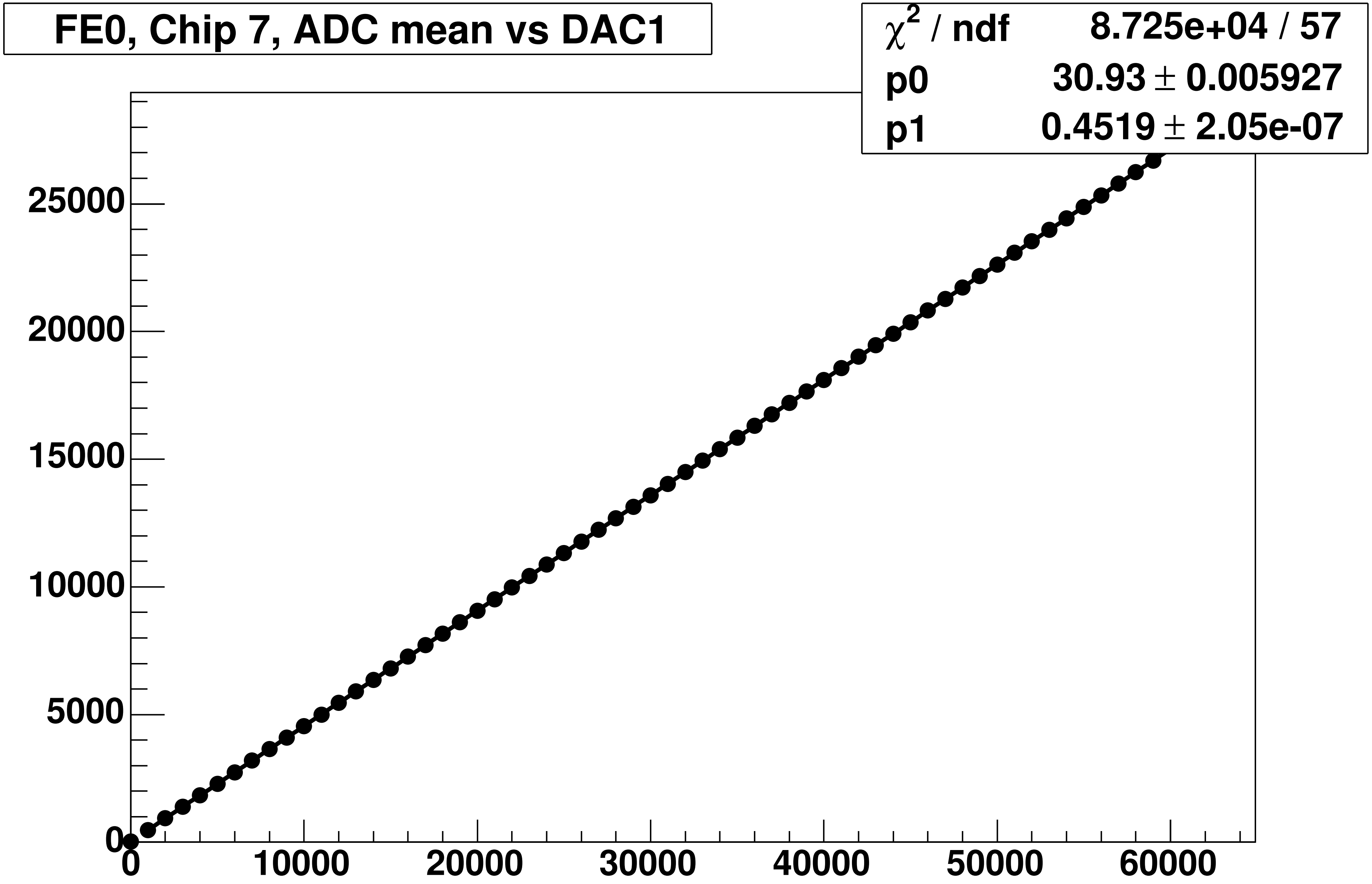


FE0, Chip 7, ADC mean vs DAC0
χ^2 / ndf 1.25e+04 / 57
p0 28.71 ± 0.005885
p1 1.422e-06 ± 1.711e-07
29.4
29.2
29
28.8
28.6
28.4
28.2
28
0
10000
20000
30000
40000
50000
60000

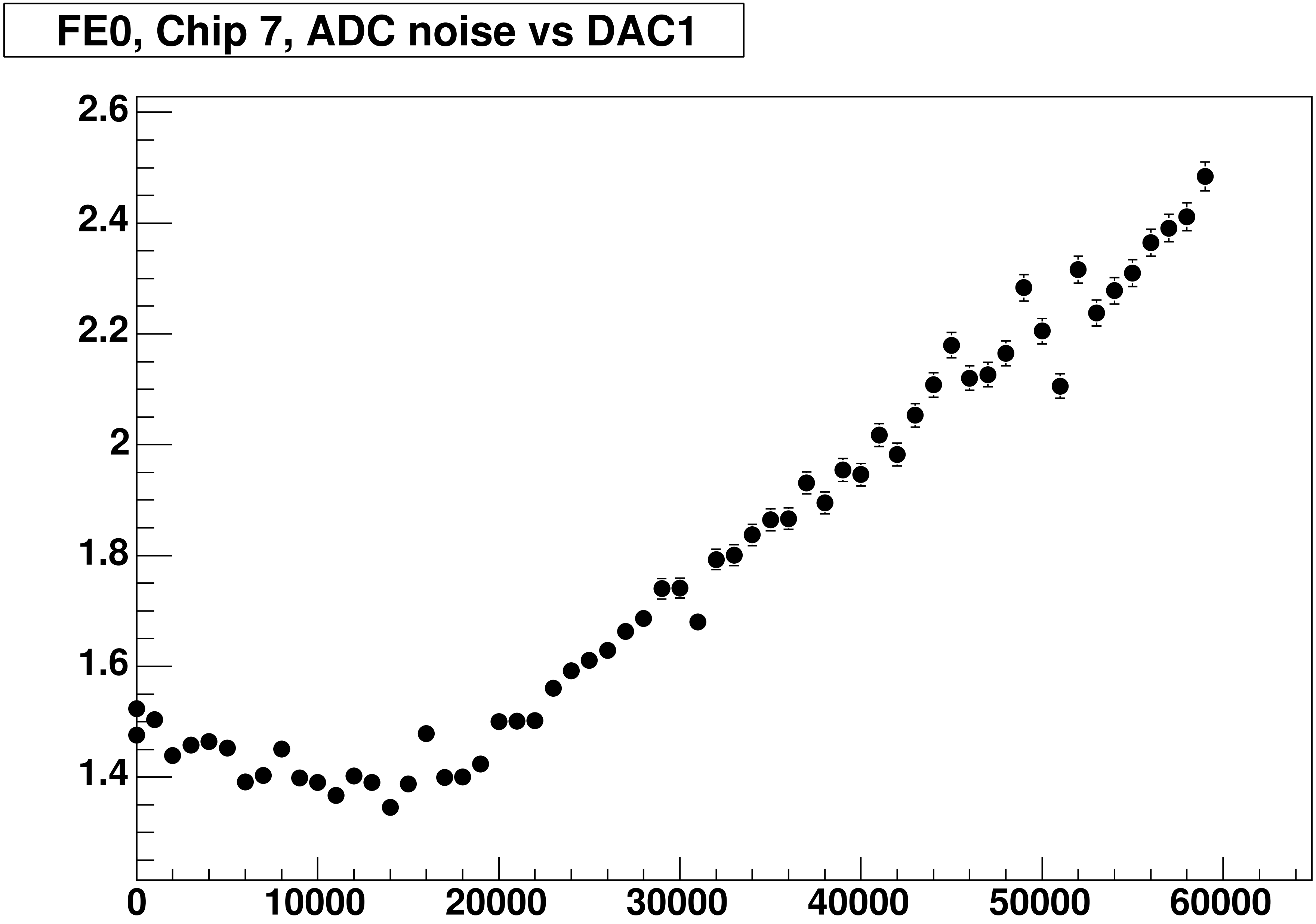
FE0, Chip 7, ADC noise vs DAC0

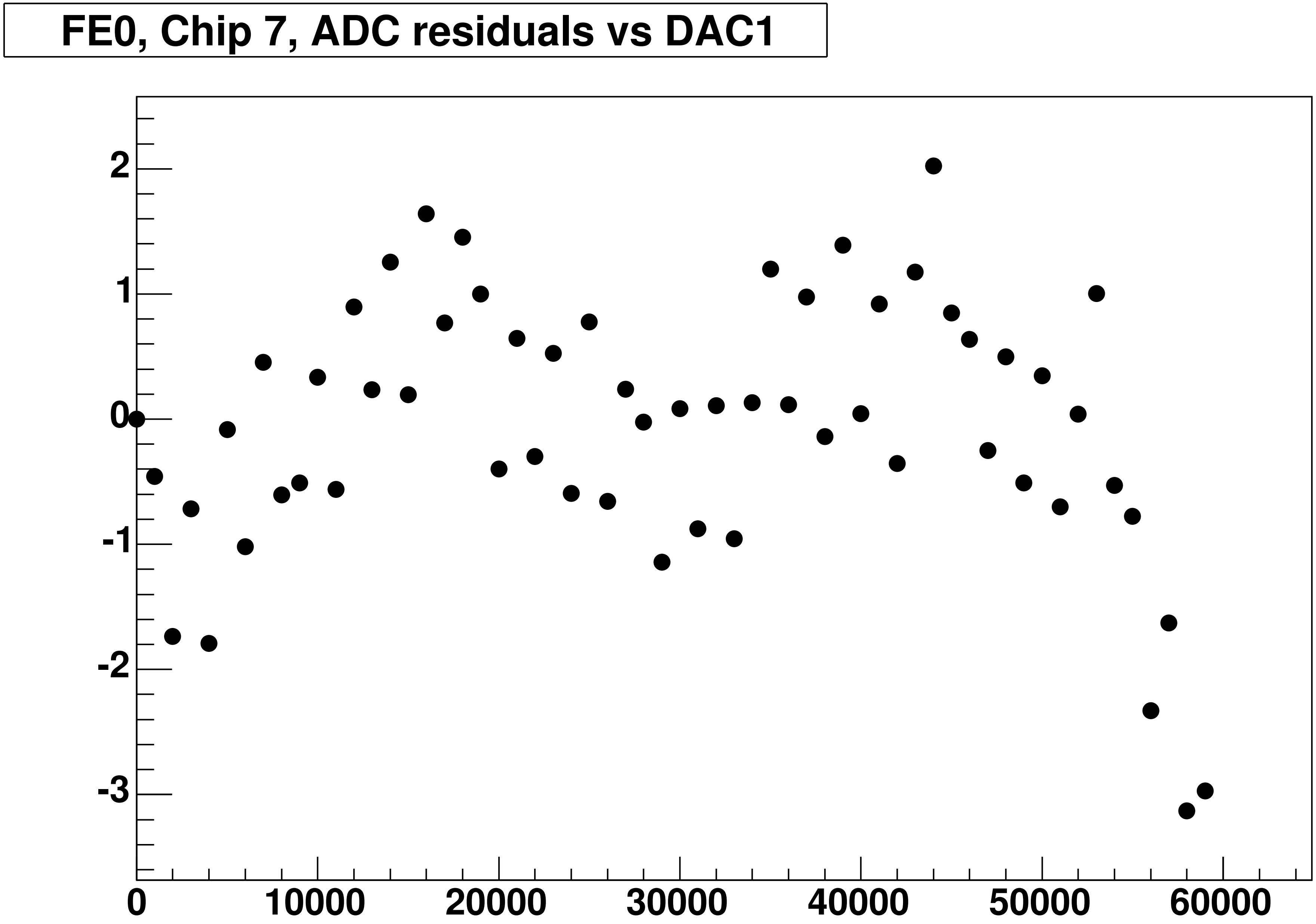


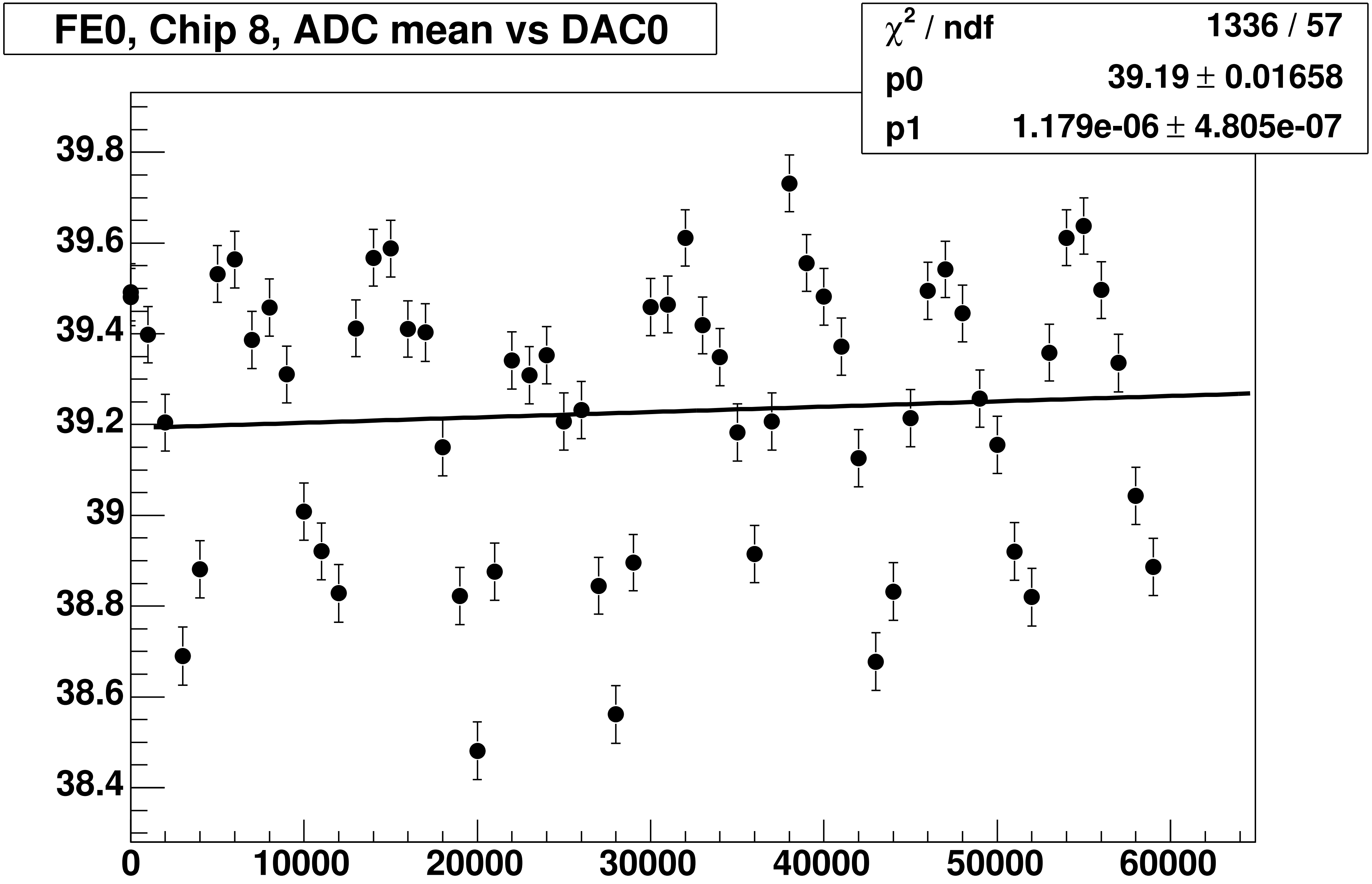

FE0, Chip 7, ADC residuals vs DAC0
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
-0.8
0
10000
20000
30000
40000
50000
60000

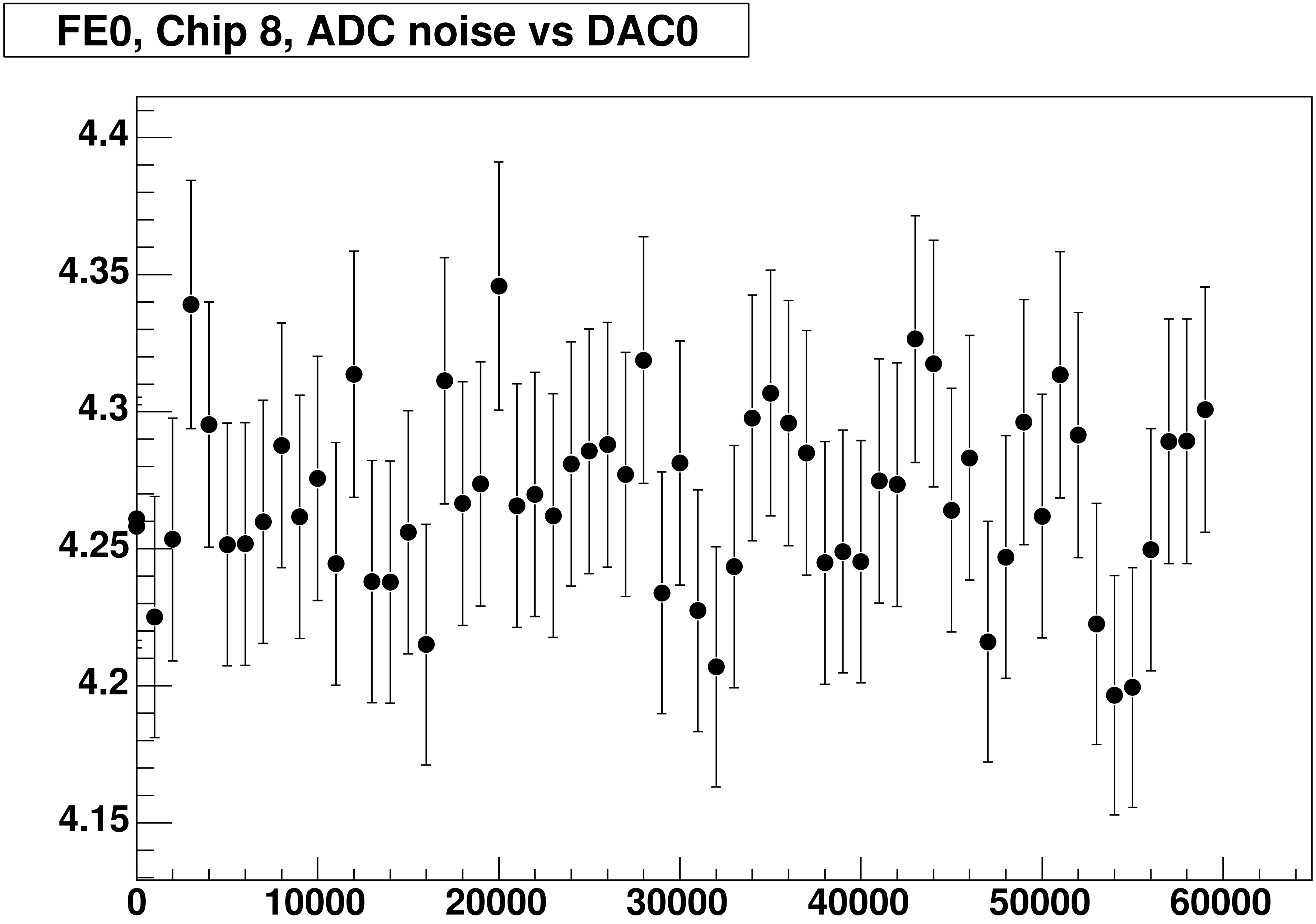


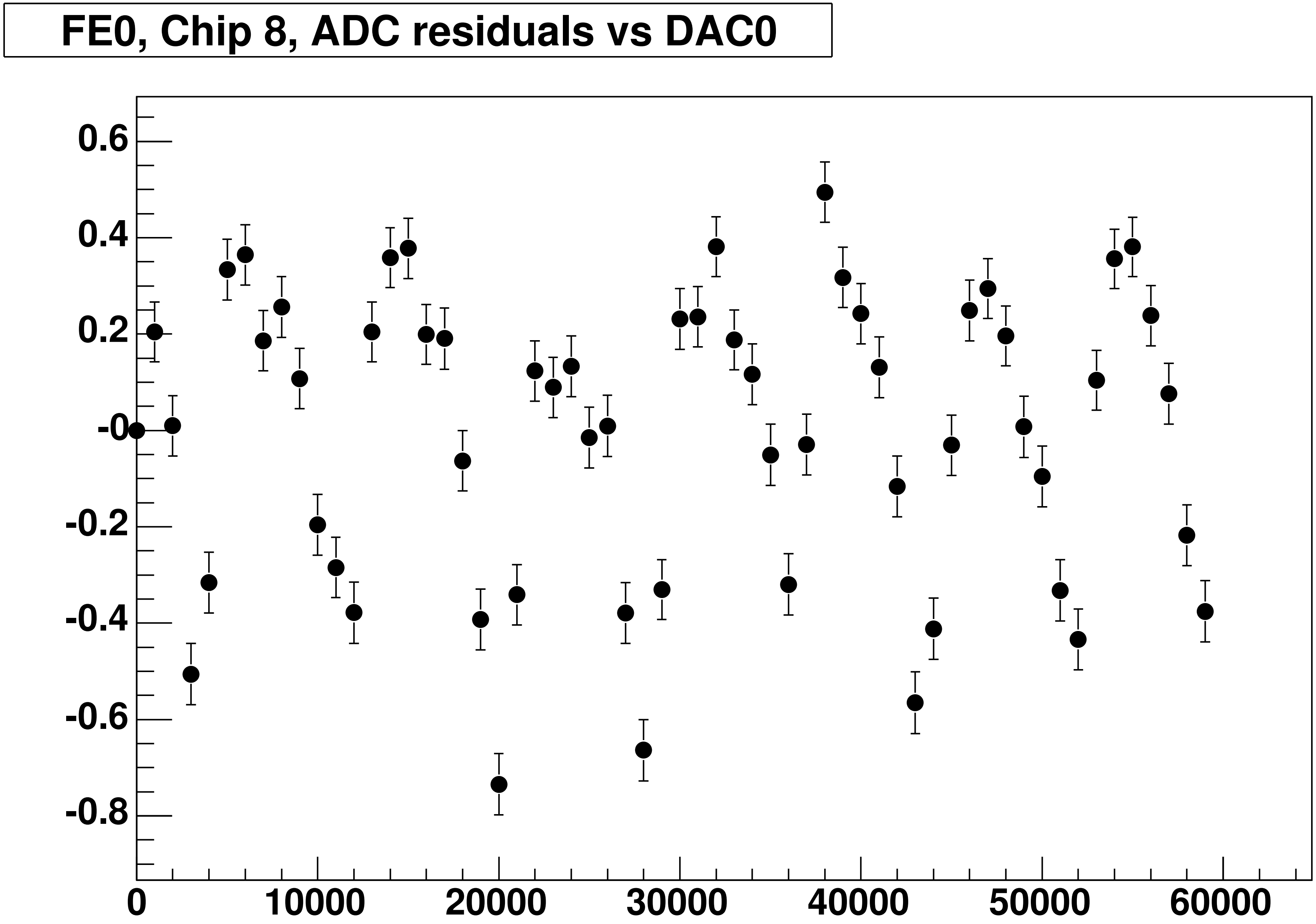
FE0, Chip 7, ADC mean vs DAC1
χ^2 / ndf 8.725e+04 / 57
p0 30.93 ± 0.005927
p1 0.4519 ± 2.05e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

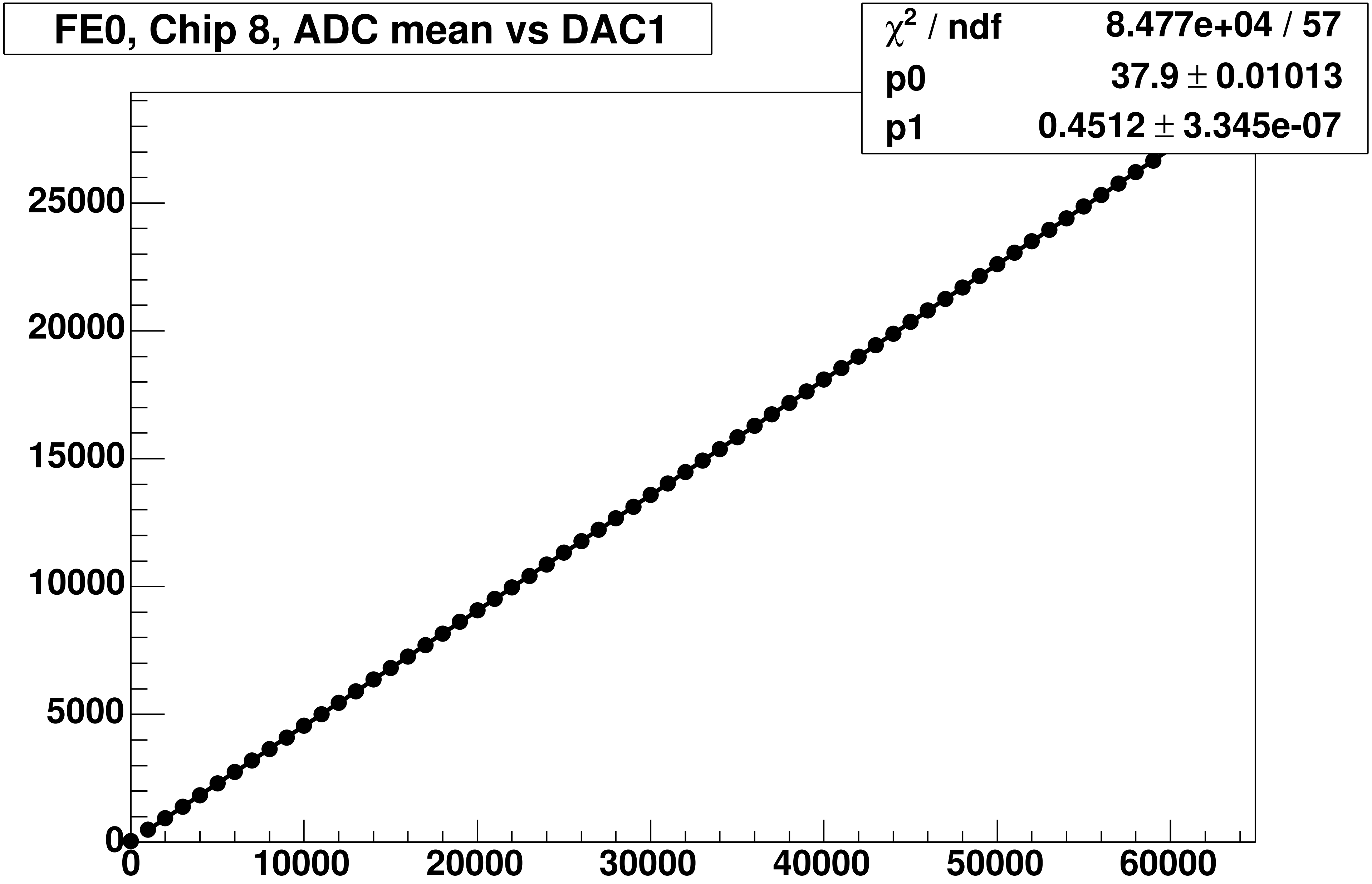

FE0, Chip 7, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0, Chip 7, ADC residuals vs DAC1
2
1
0
-1
-2
-3
0
10000
20000
30000
40000
50000
60000

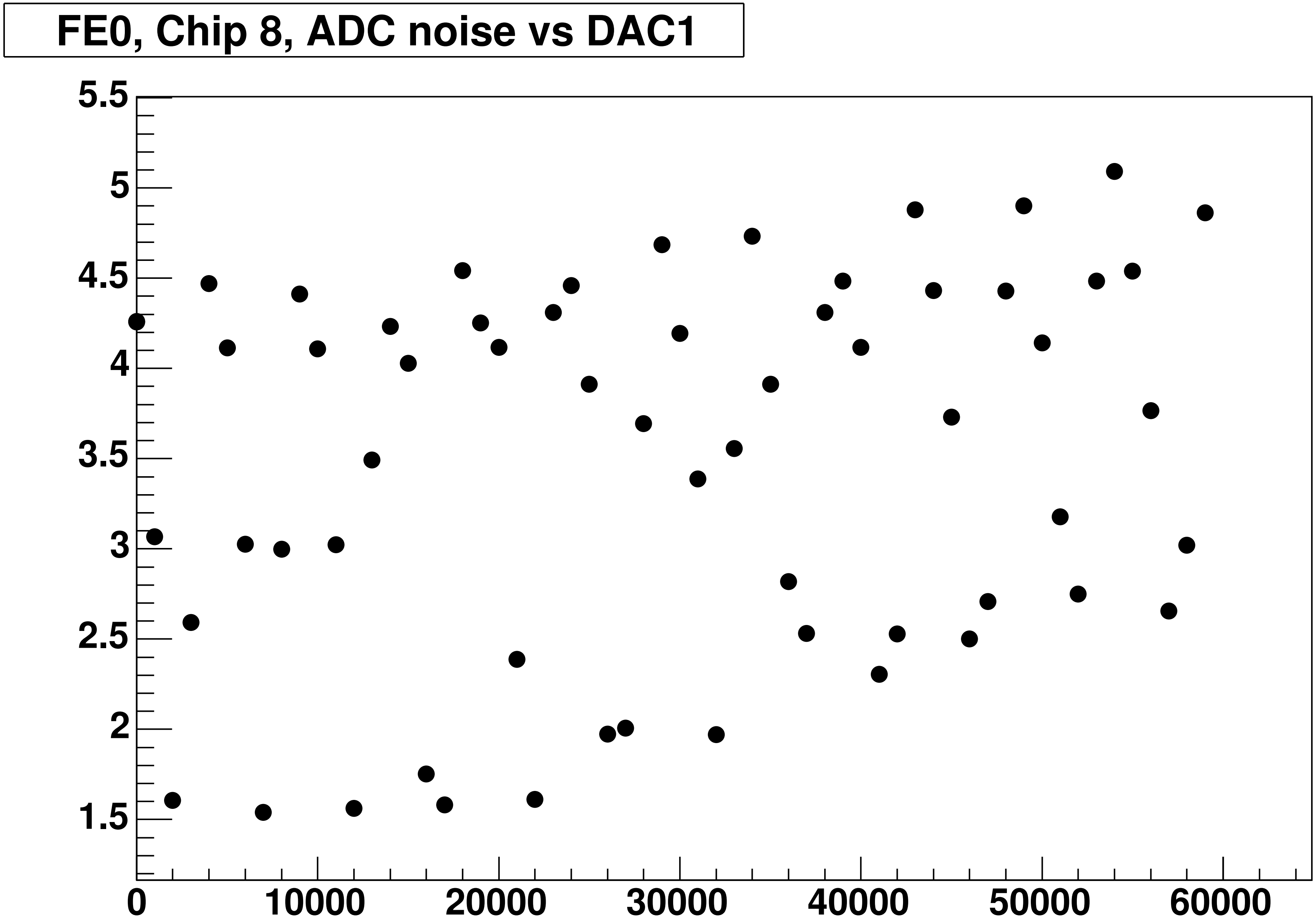

FE0, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1336 / 57
p0 39.19 ± 0.01658
p1 1.179e-06 ± 4.805e-07
39.8
39.6
39.4
39.2
39
38.8
38.6
38.4
0
10000
20000
30000
40000
50000
60000

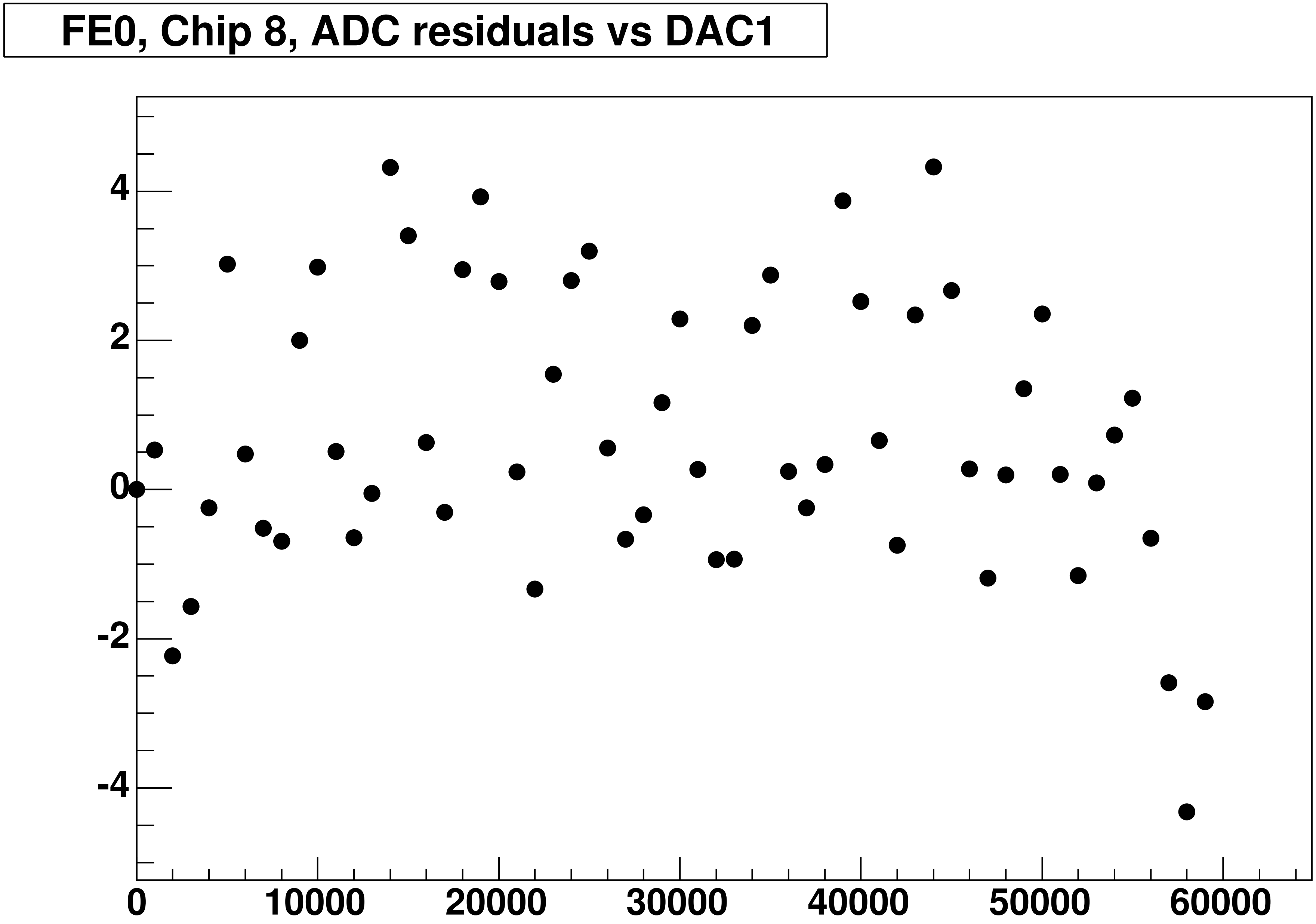

FE0, Chip 8, ADC noise vs DAC0
4.4
4.35
4.3
4.25
4.2
4.15
0
10000
20000
30000
40000
50000
60000

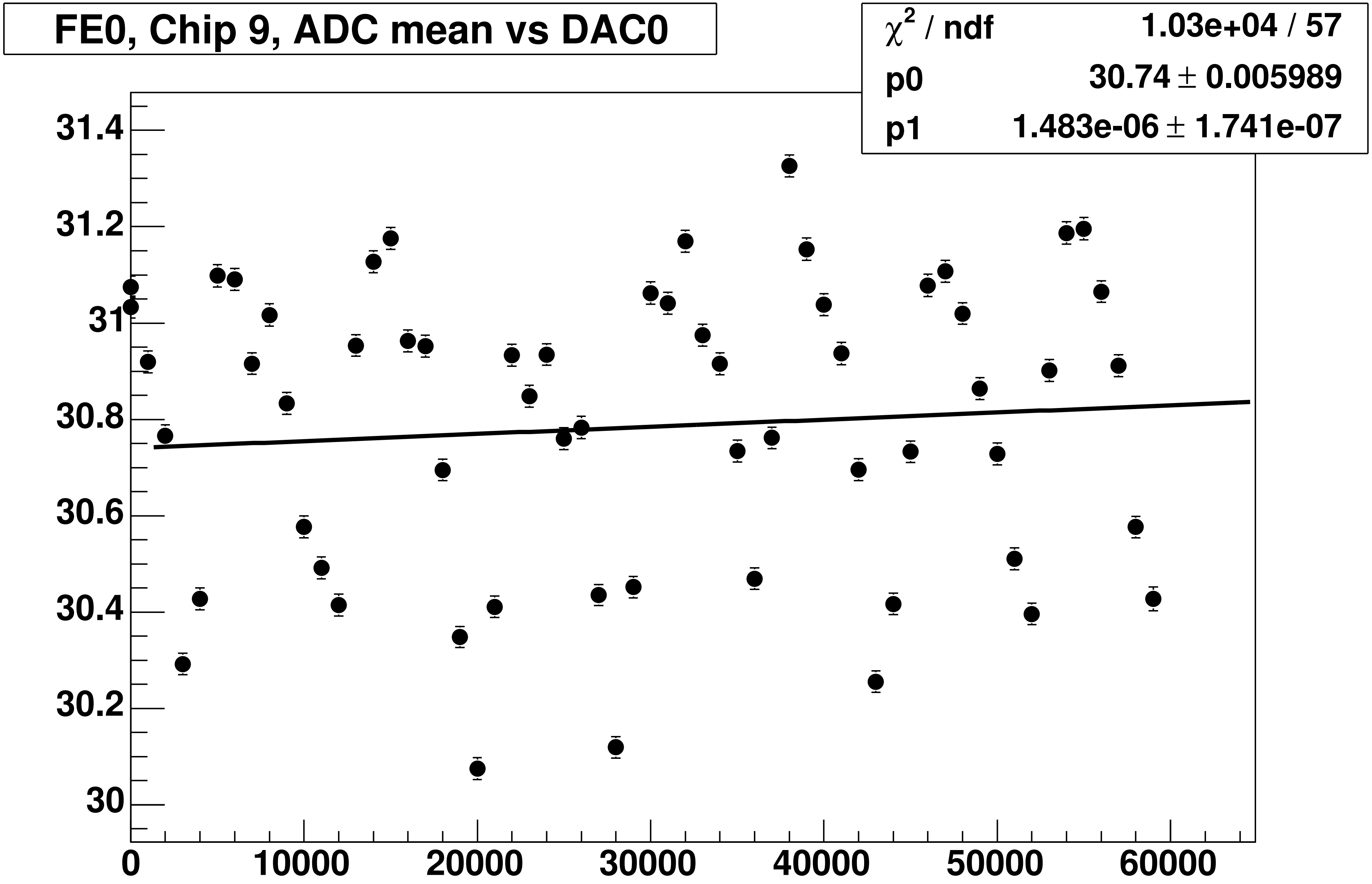

FE0, Chip 8, ADC residuals vs DAC0
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
-0.8
0
10000
20000
30000
40000
50000
60000



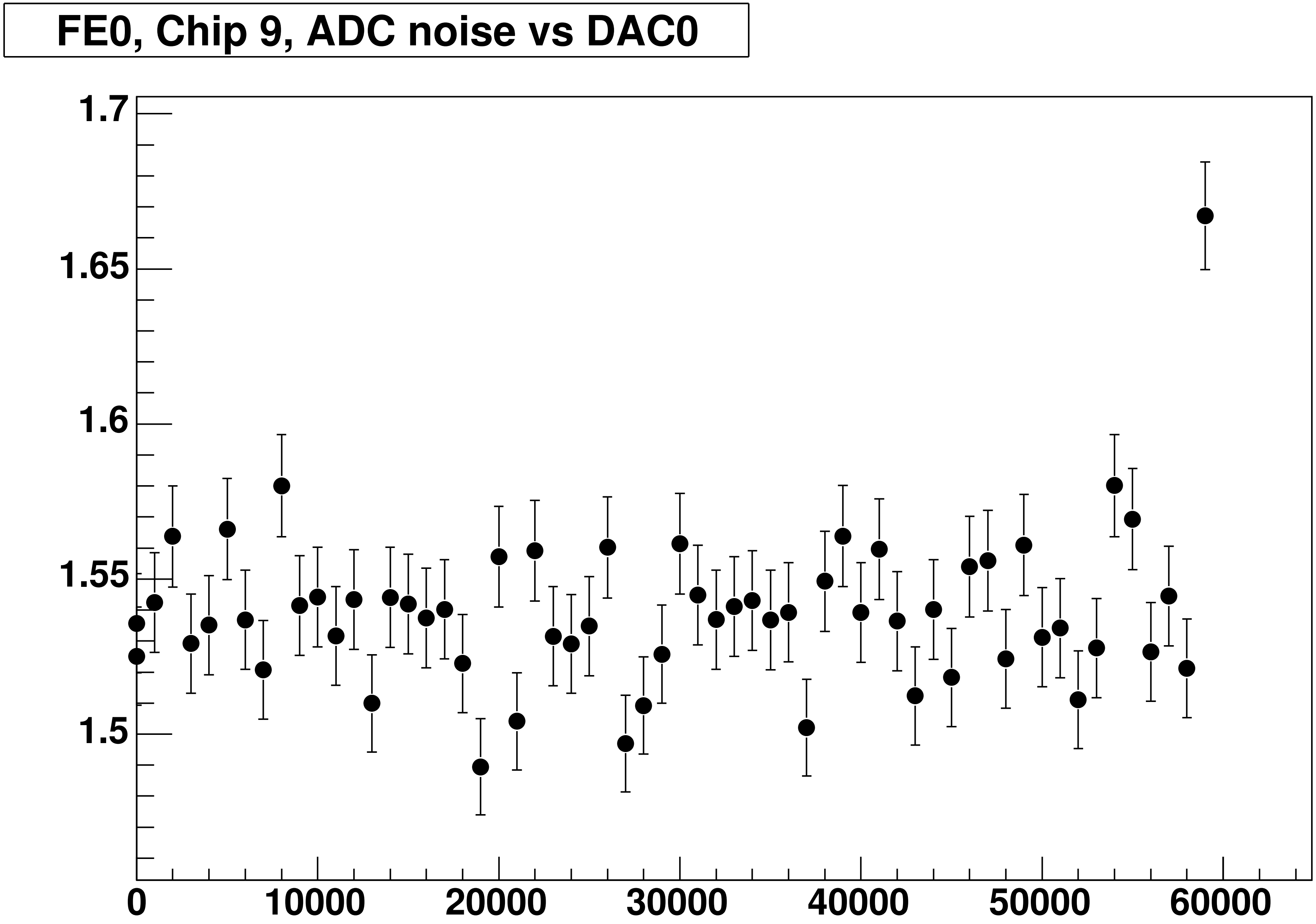
FE0, Chip 8, ADC mean vs DAC1
χ^2 / ndf 8.477e+04 / 57
p0 37.9 ± 0.01013
p1 0.4512 ± 3.345e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

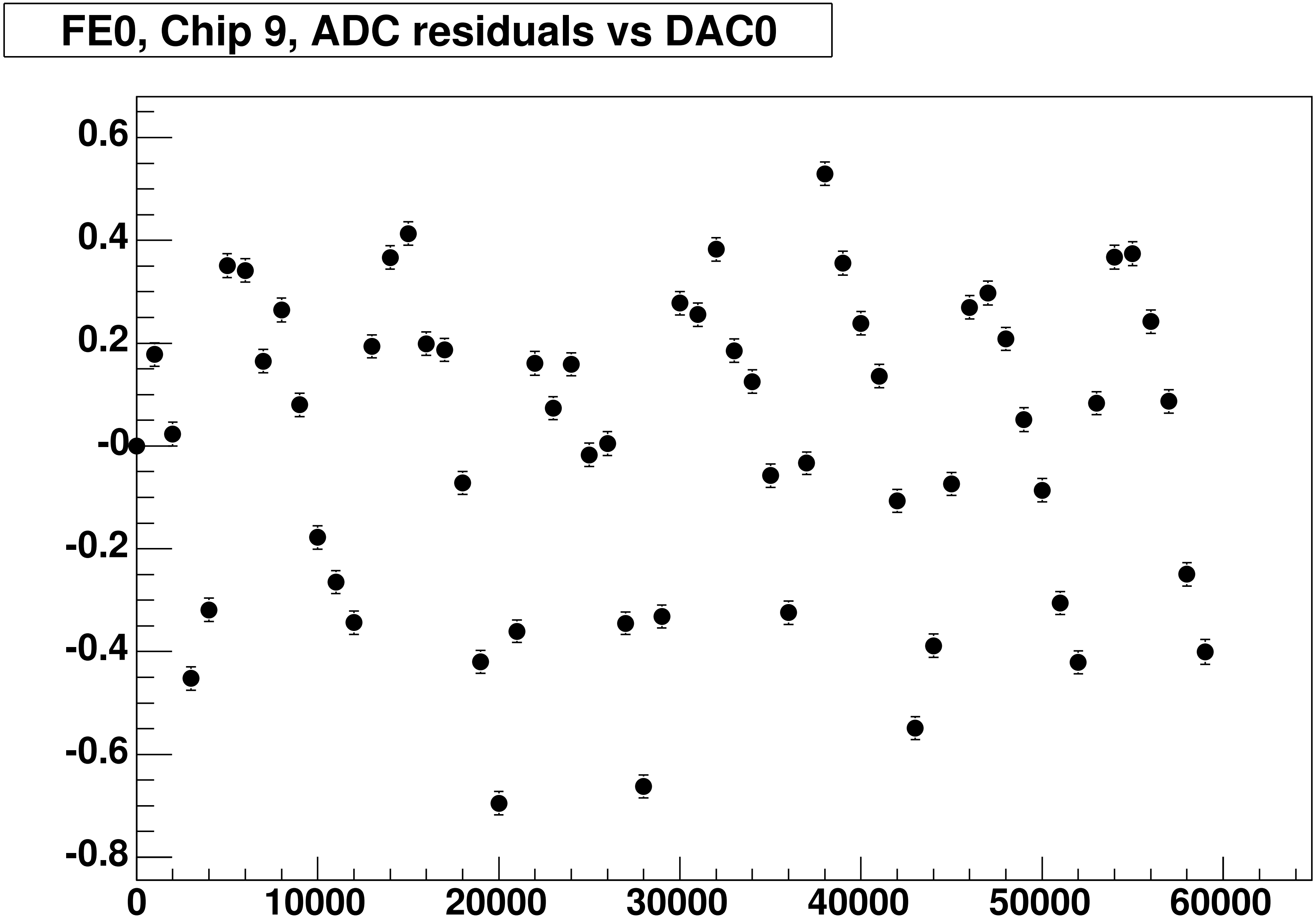

FE0, Chip 8, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

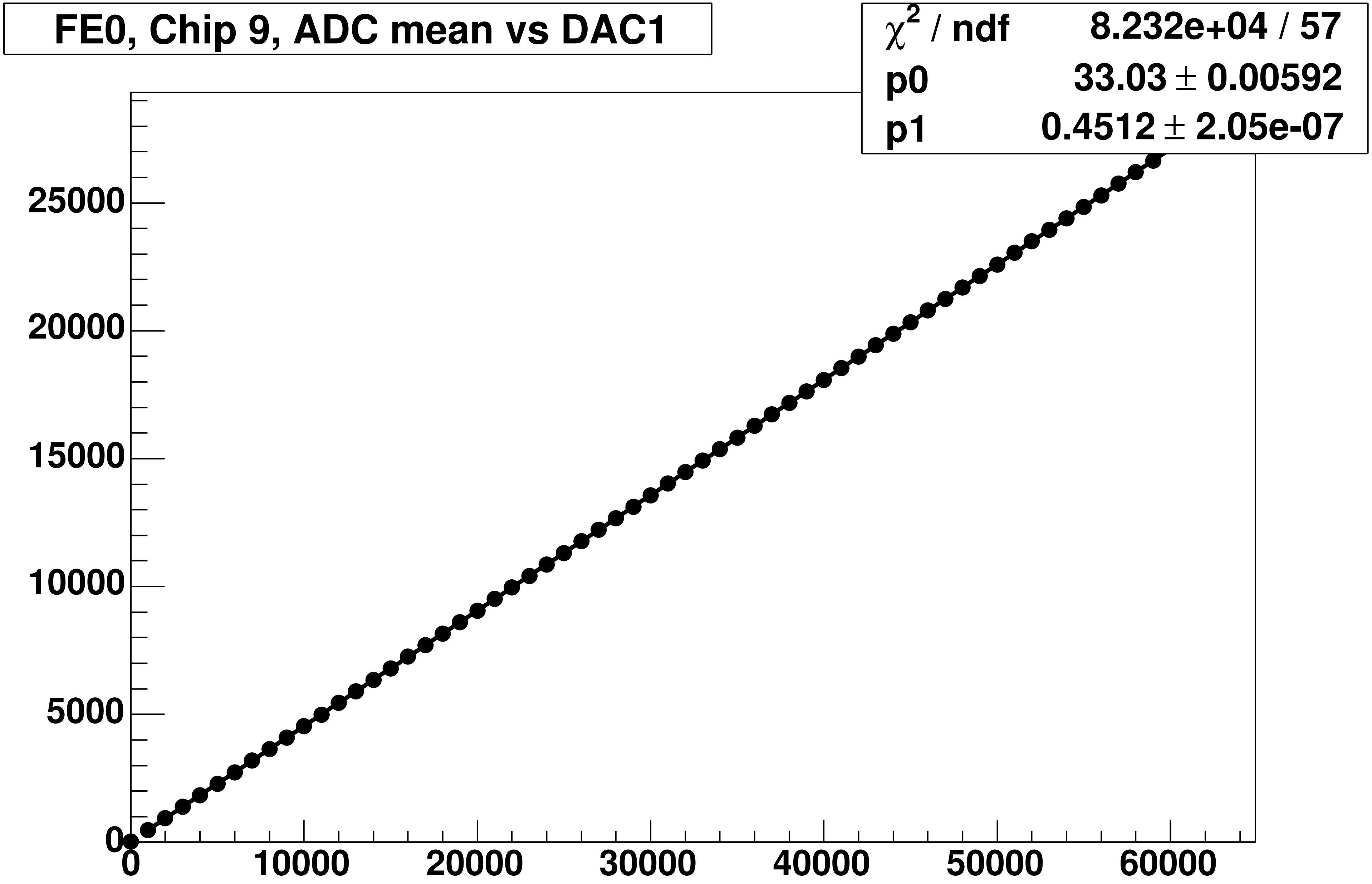

FE0, Chip 8, ADC residuals vs DAC1
4
2
0
-2
-4
0
10000
20000
30000
40000
50000
60000



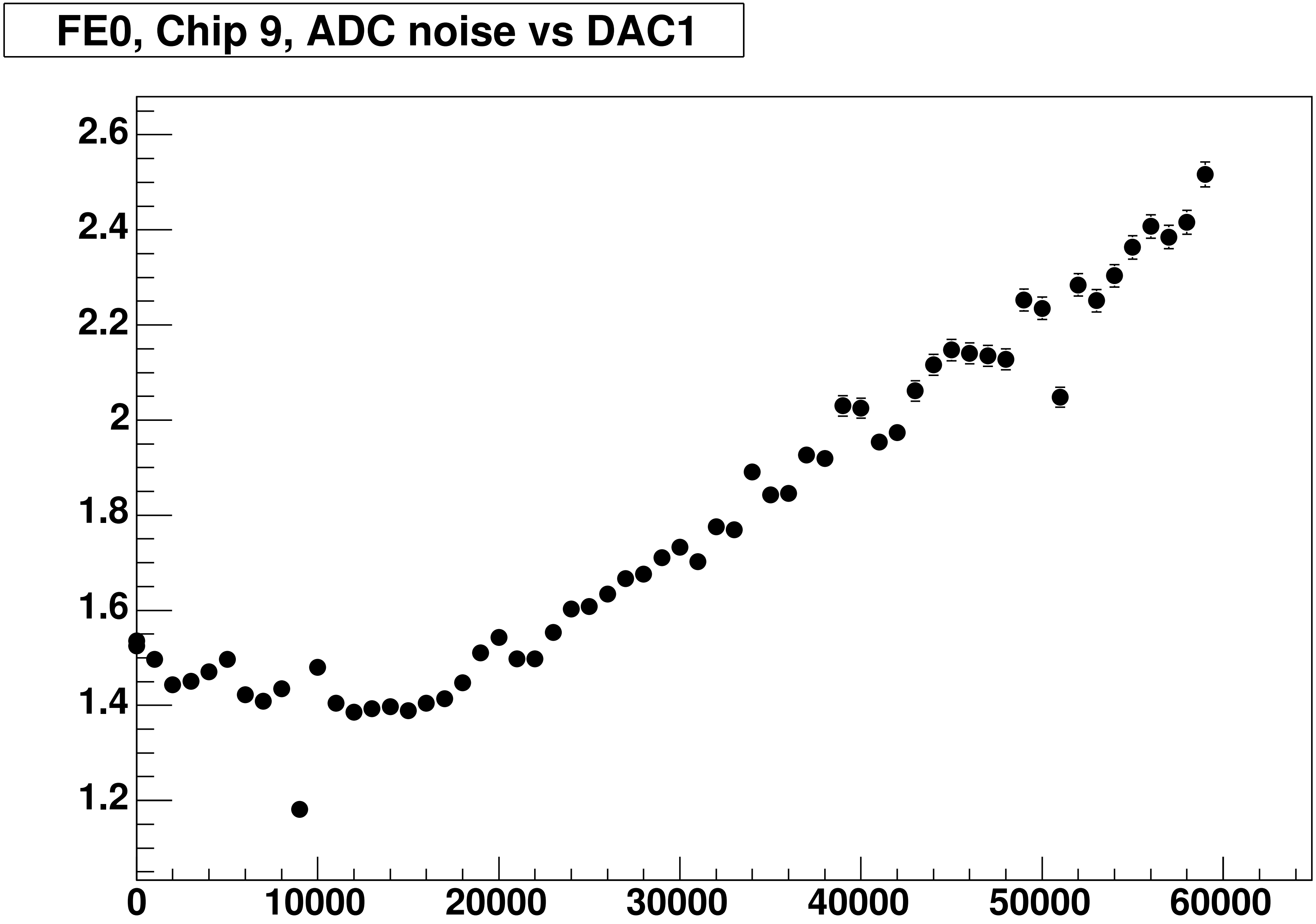
FE0, Chip 9, ADC mean vs DAC0
χ² / ndf 1.03e+04 / 57
p0 30.74 ± 0.005989
p1 1.483e-06 ± 1.741e-07
31.4
31.2
31
30.8
30.6
30.4
30.2
30
0
10000
20000
30000
40000
50000
60000

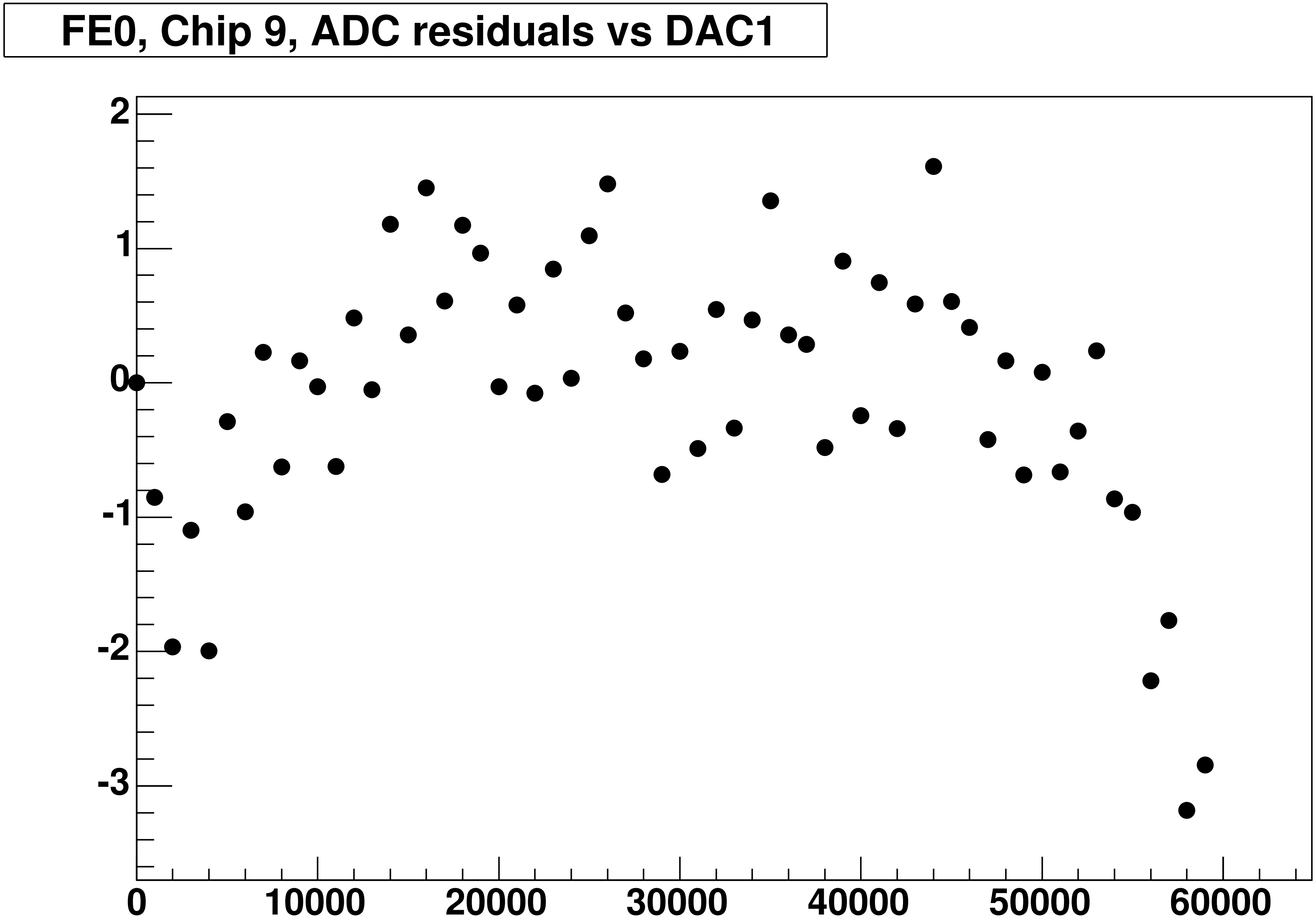

FE0, Chip 9, ADC noise vs DAC0
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

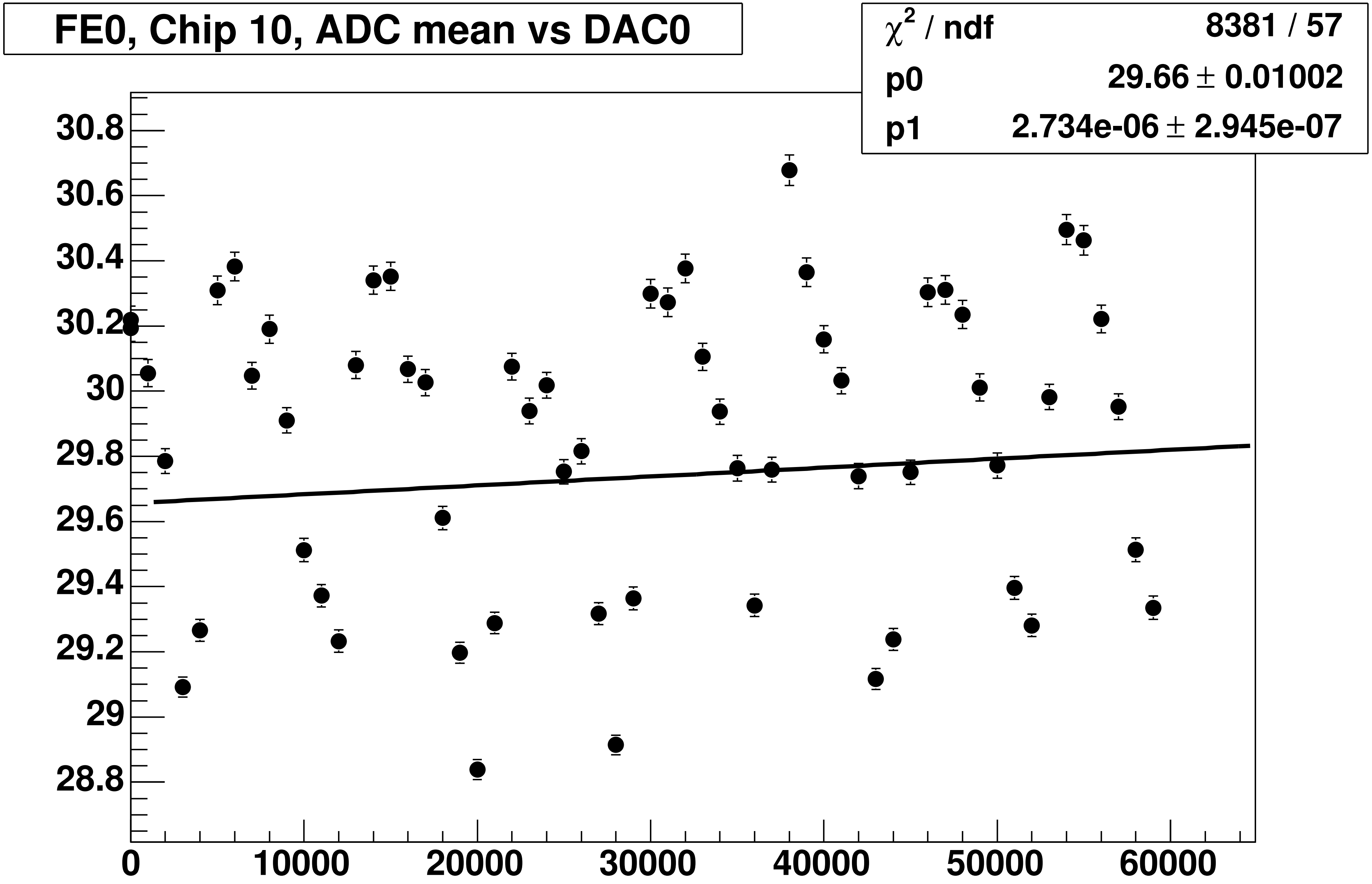

FE0, Chip 9, ADC residuals vs DAC0
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
-0.8
0
10000
20000
30000
40000
50000
60000

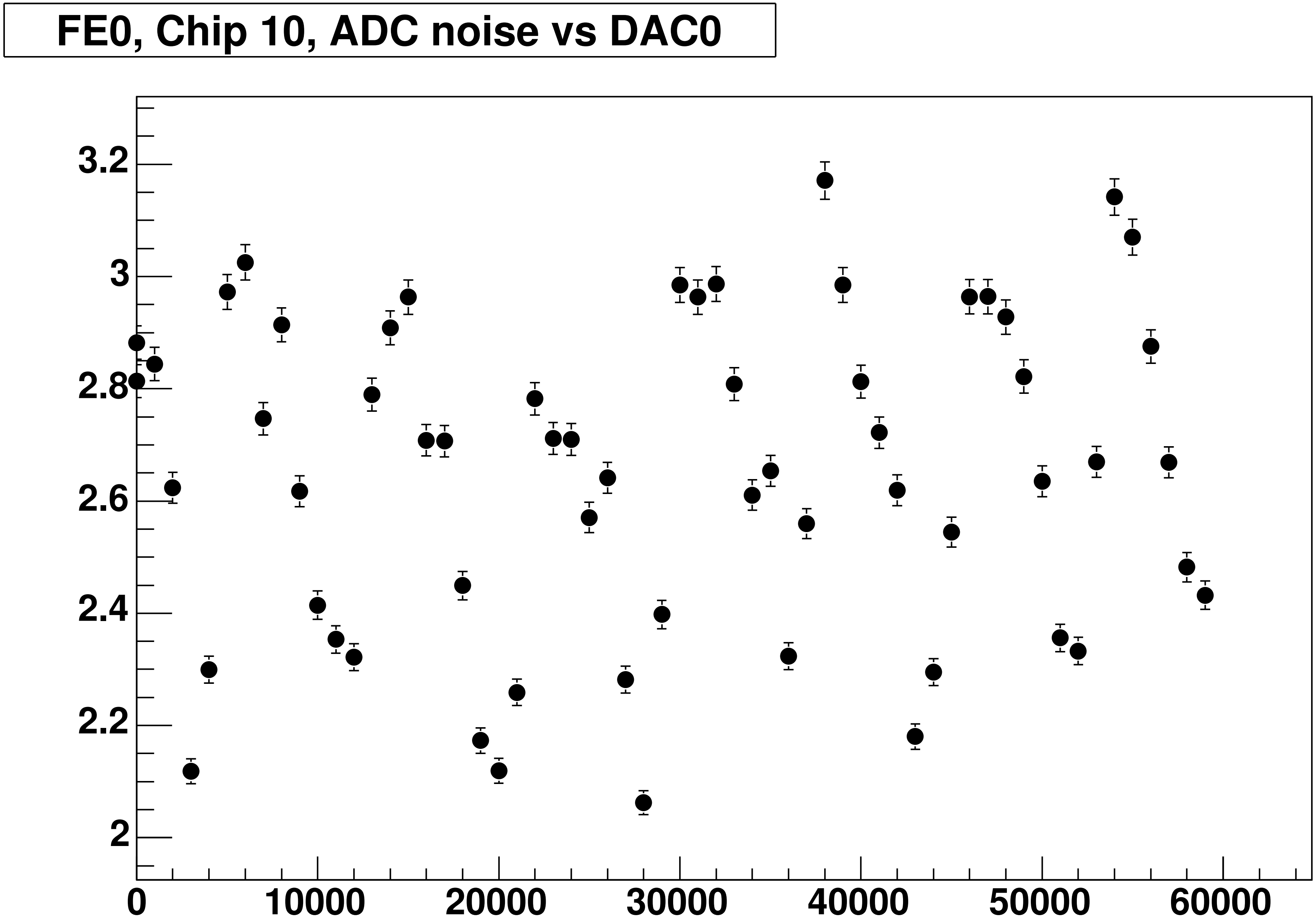


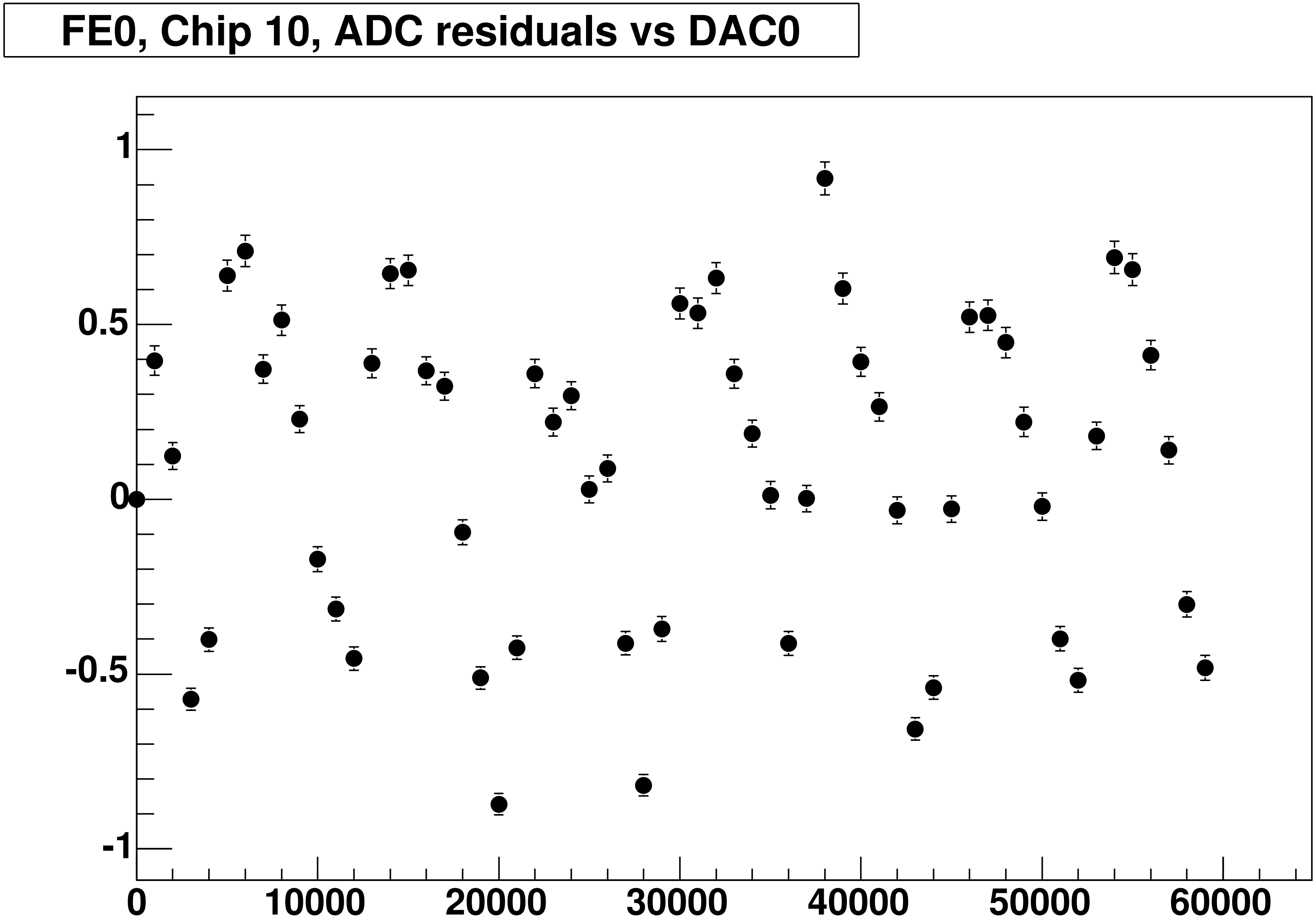
FE0, Chip 9, ADC mean vs DAC1
χ² / ndf 8.232e+04 / 57
p0 33.03 ± 0.00592
p1 0.4512 ± 2.05e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 9, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

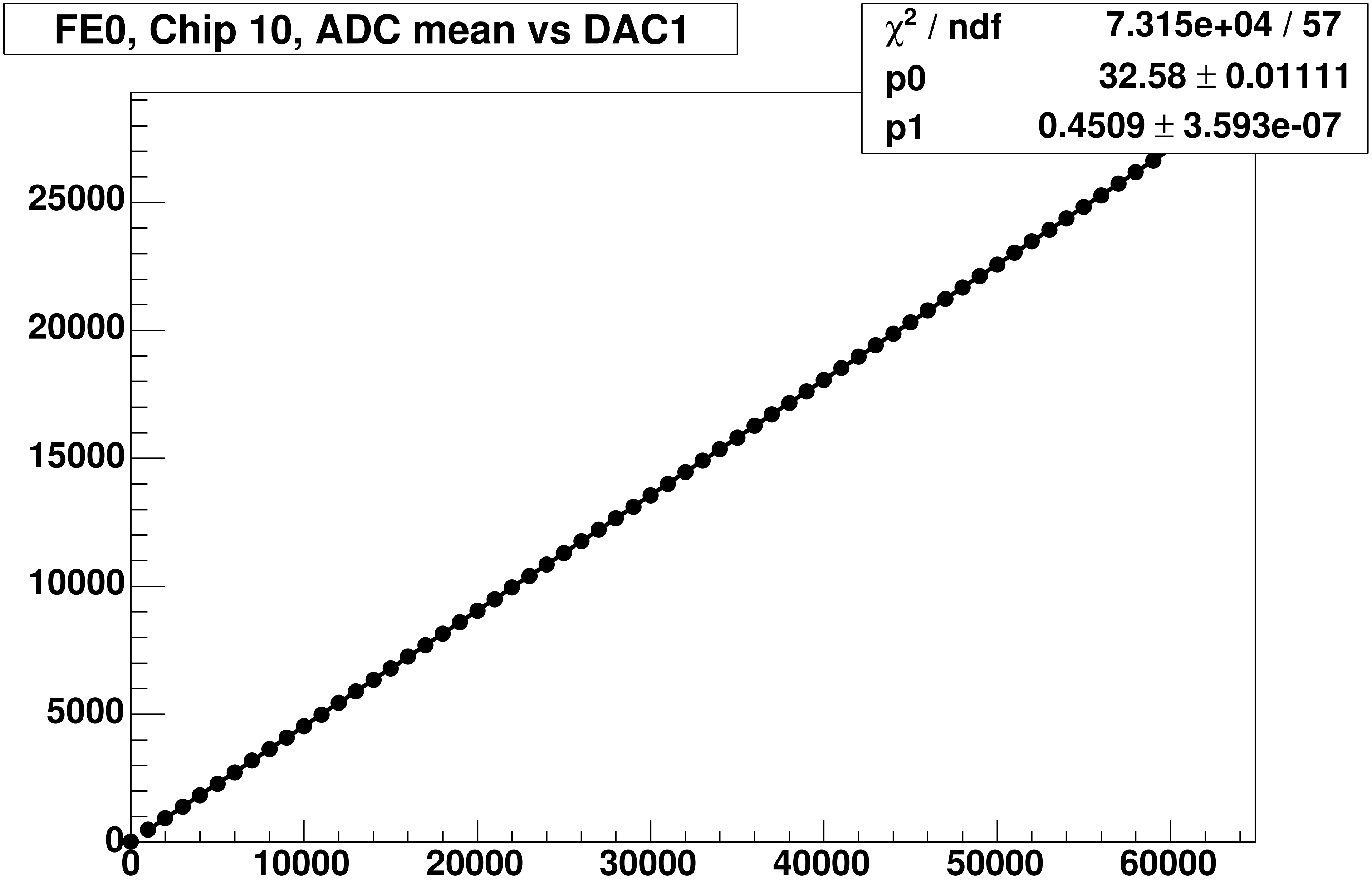

FE0, Chip 9, ADC residuals vs DAC1
2
1
0
-1
-2
-3
0
10000
20000
30000
40000
50000
60000


FE0, Chip 10, ADC mean vs DAC0
χ^2 / ndf 8381 / 57
p0 29.66 ± 0.01002
p1 2.734e-06 ± 2.945e-07
30.8
30.6
30.4
30.2
30
29.8
29.6
29.4
29.2
29
28.8
0
10000
20000
30000
40000
50000
60000

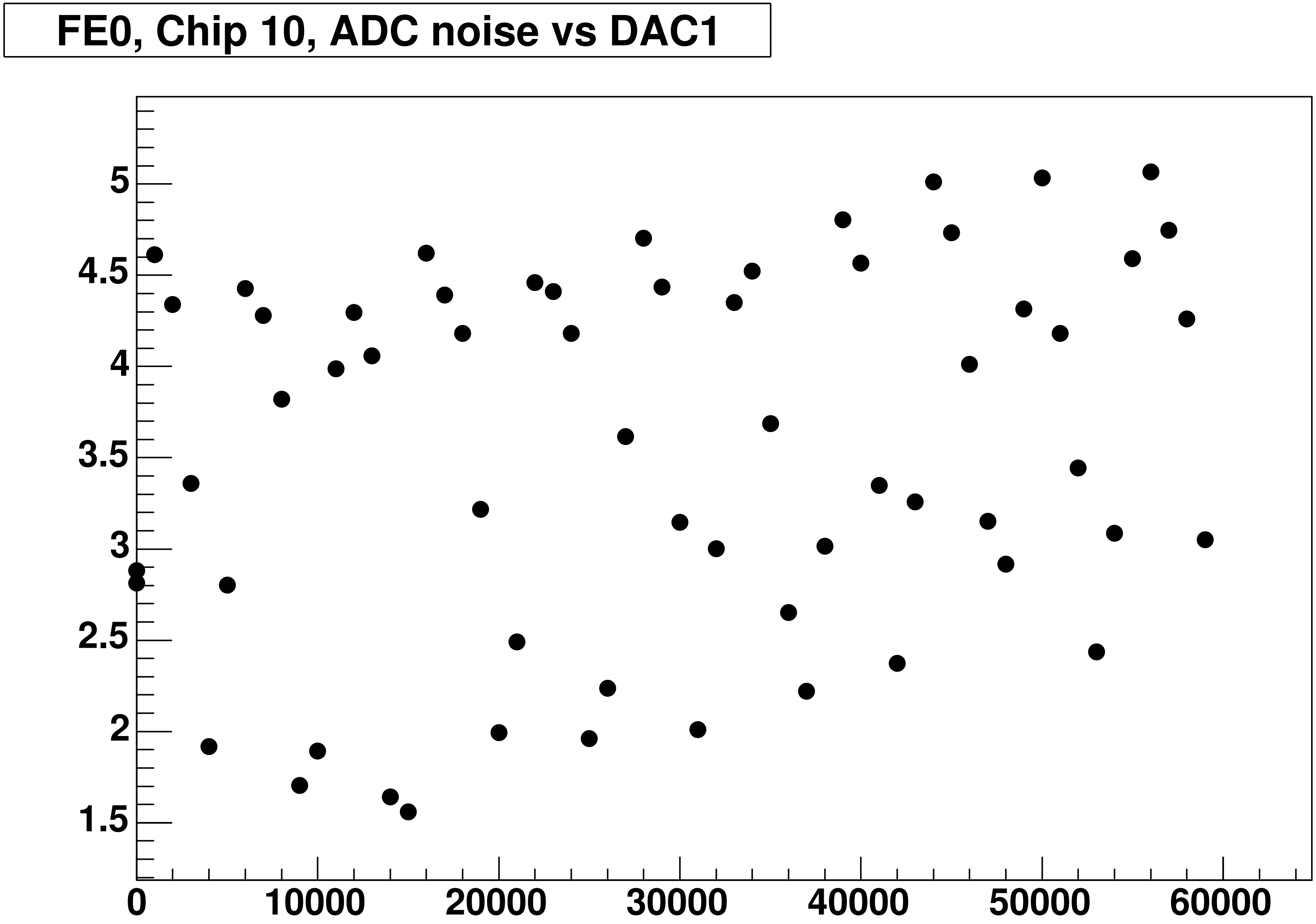

FE0, Chip 10, ADC noise vs DAC0
3.2
3
2.8
2.6
2.4
2.2
2
0
10000
20000
30000
40000
50000
60000

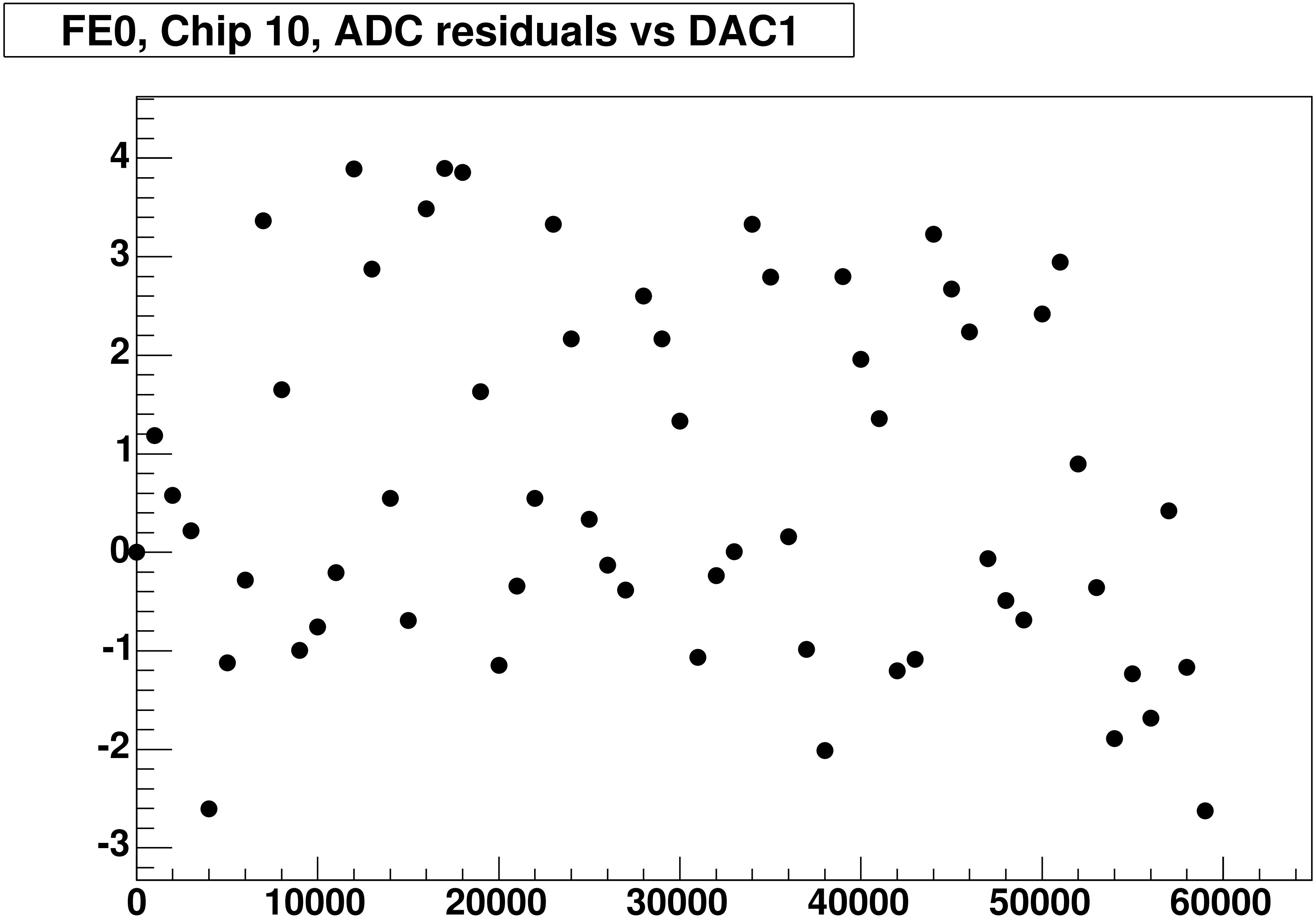


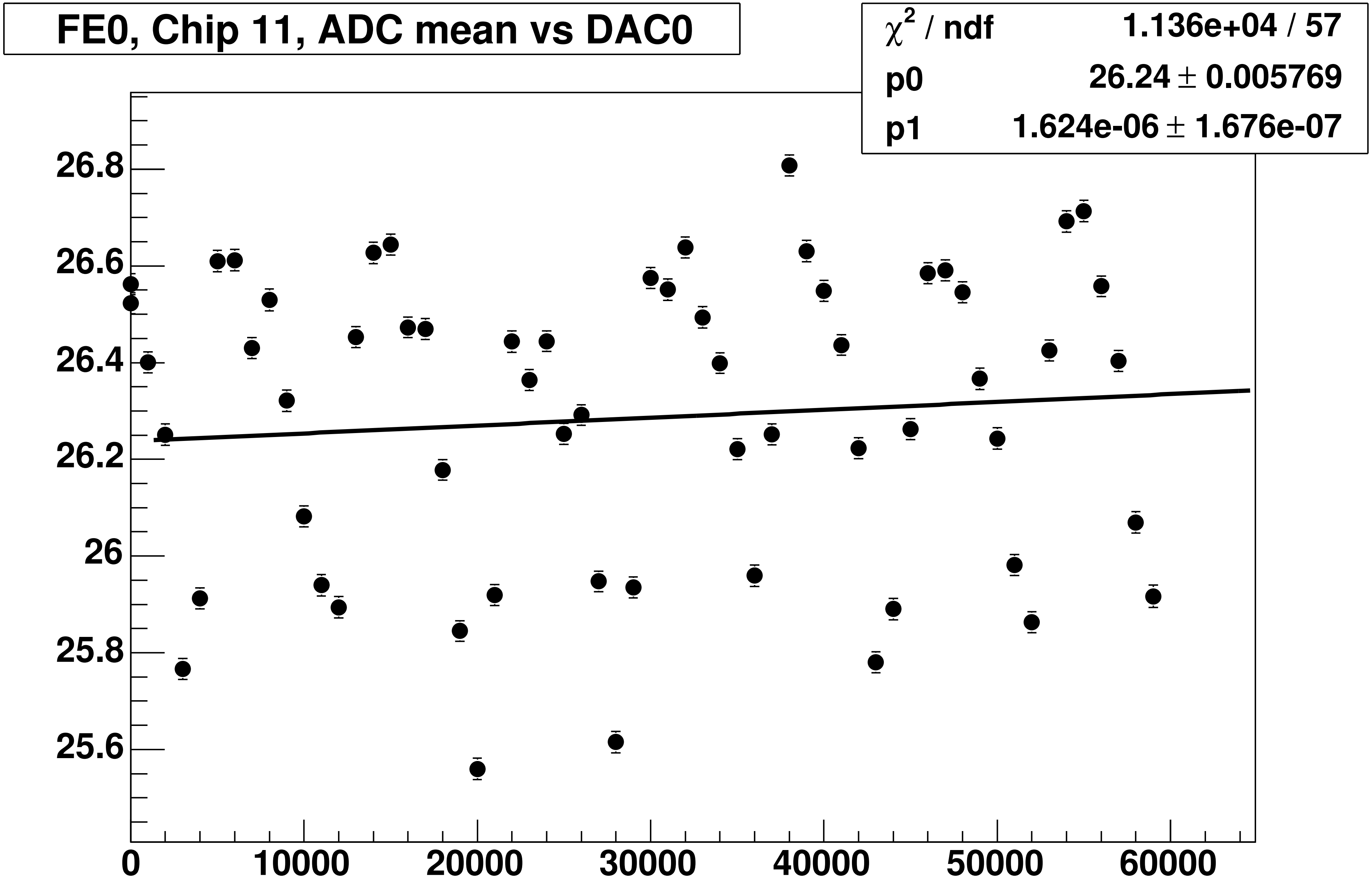
FE0, Chip 10, ADC residuals vs DAC0
1
0.5
0
-0.5
-1
0
10000
20000
30000
40000
50000
60000

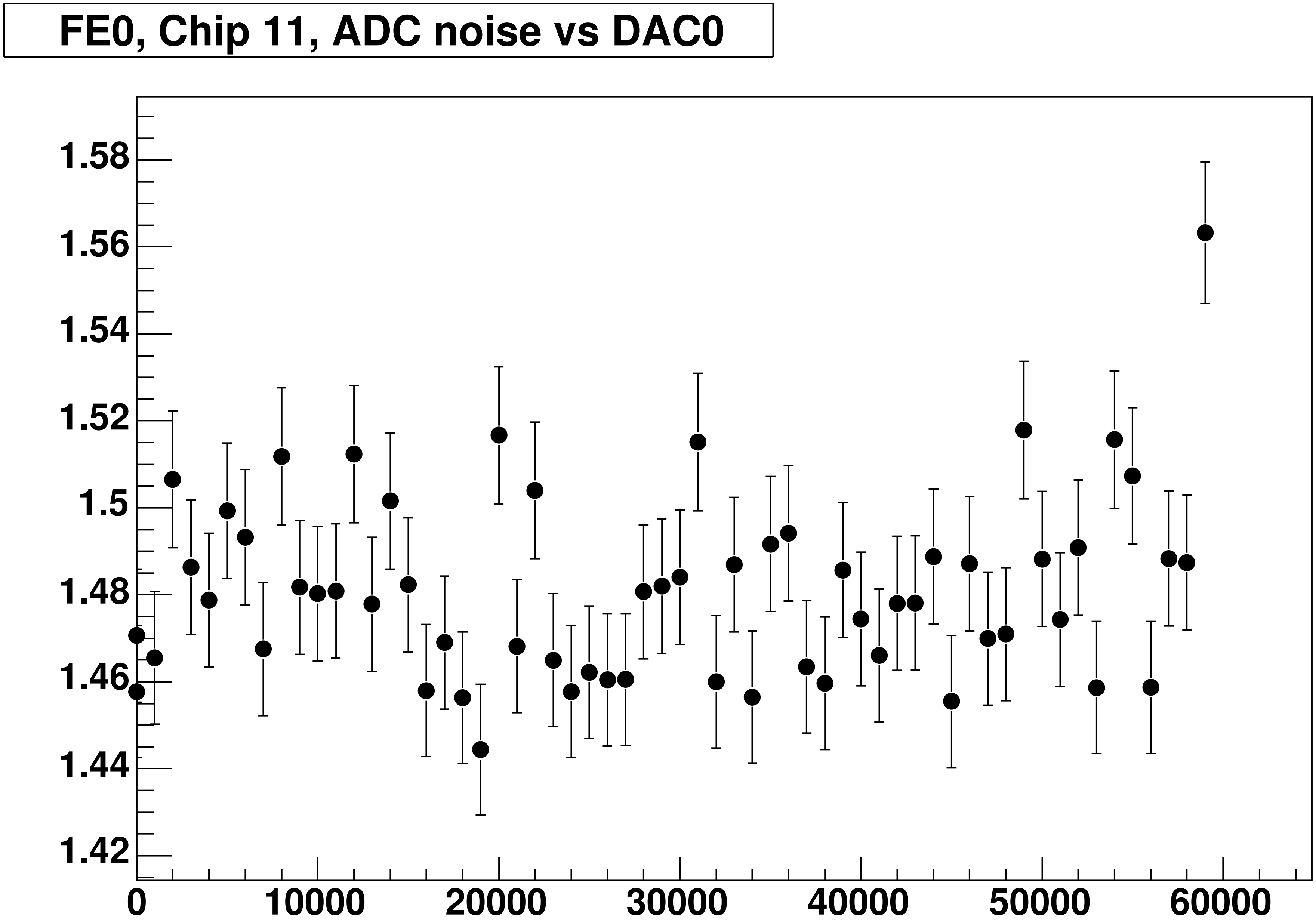


FE0, Chip 10, ADC mean vs DAC1
χ^2 / ndf 7.315e+04 / 57
p0 32.58 ± 0.01111
p1 0.4509 ± 3.593e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

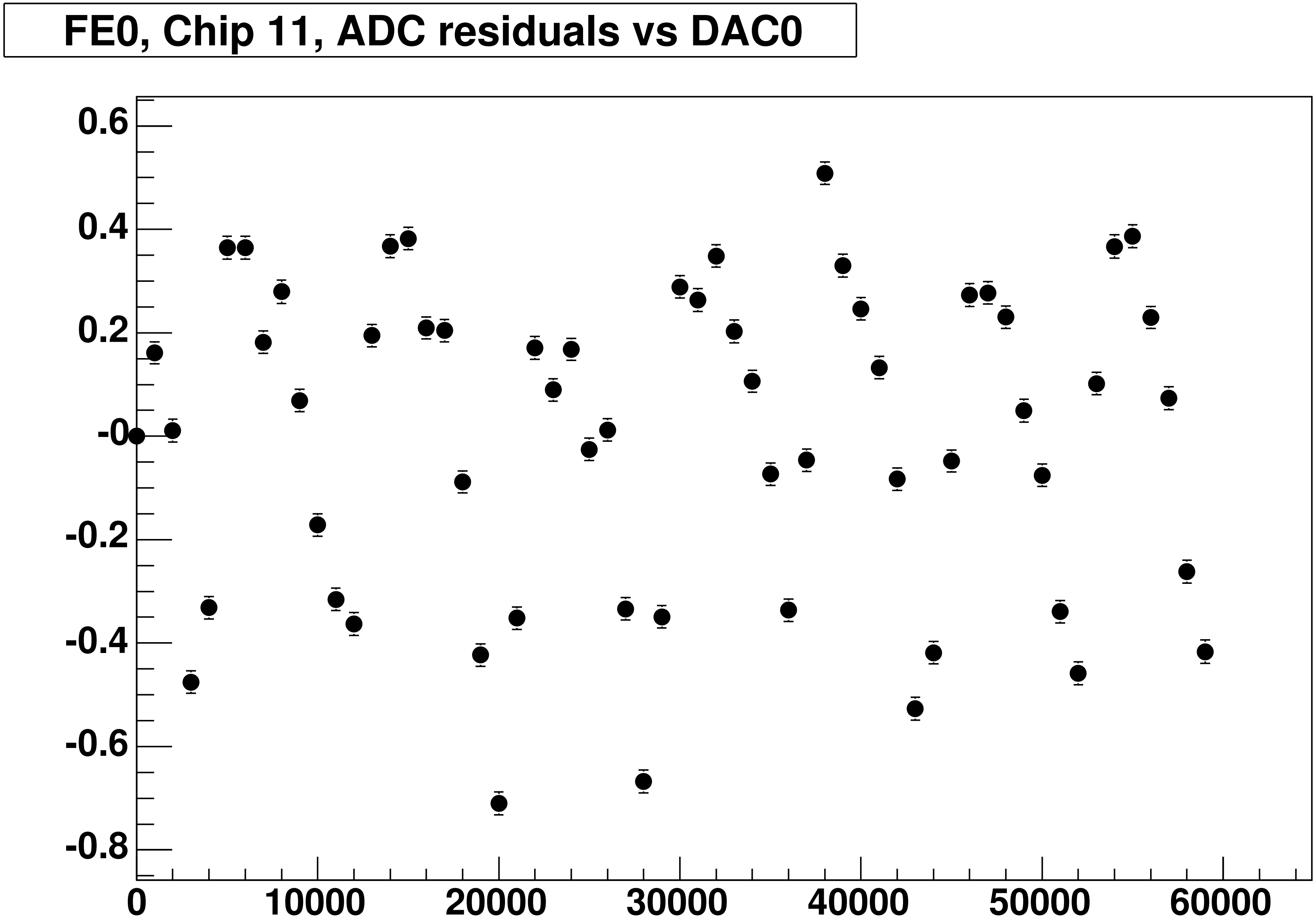

FE0, Chip 10, ADC noise vs DAC1
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

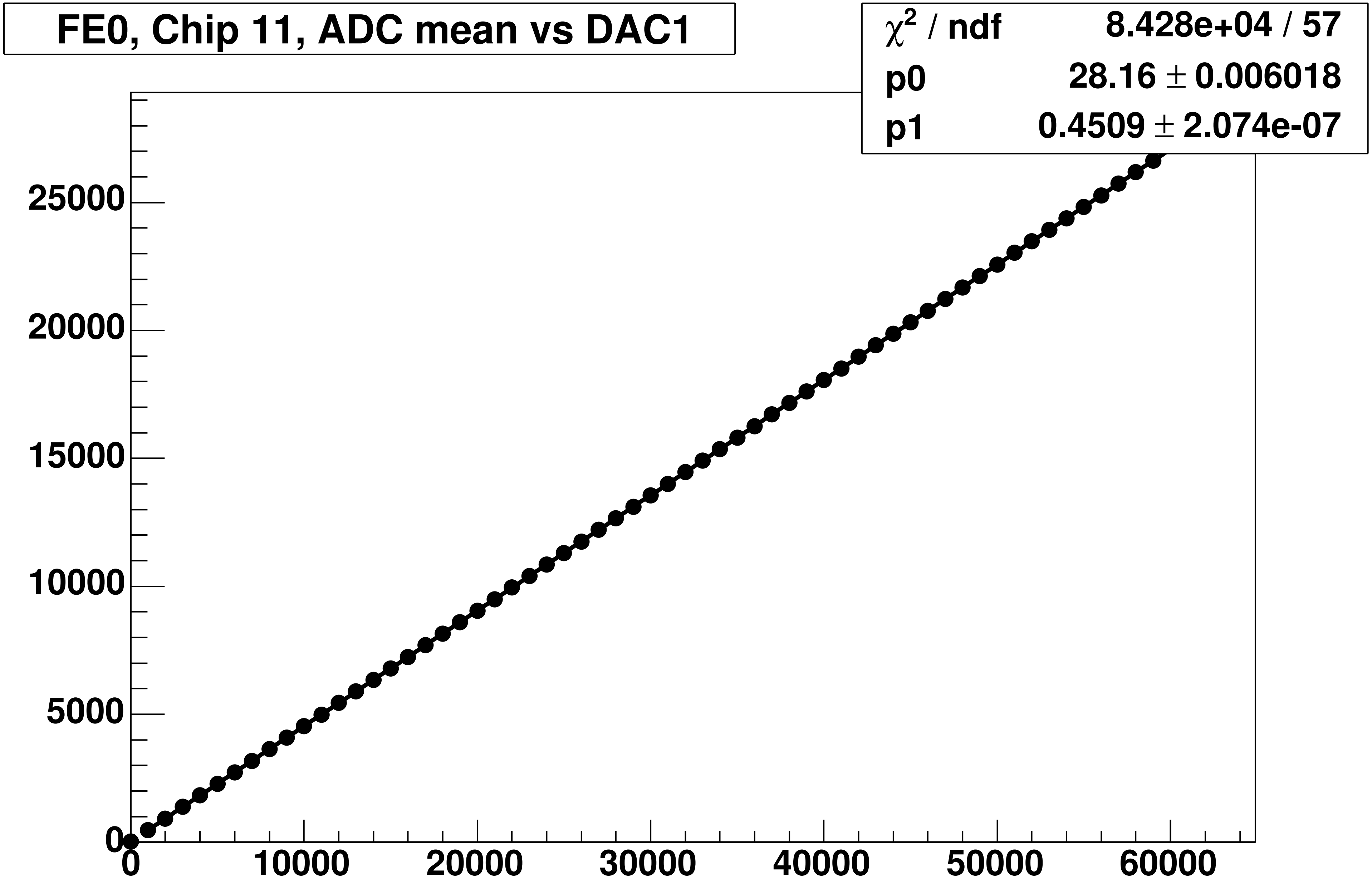

FE0, Chip 10, ADC residuals vs DAC1
4
3
2
1
0
-1
-2
-3
0
10000
20000
30000
40000
50000
60000


FE0, Chip 11, ADC mean vs DAC0
χ² / ndf 1.136e+04 / 57
p0 26.24 ± 0.005769
p1 1.624e-06 ± 1.676e-07
26.8
26.6
26.4
26.2
26
25.8
25.6
0
10000
20000
30000
40000
50000
60000

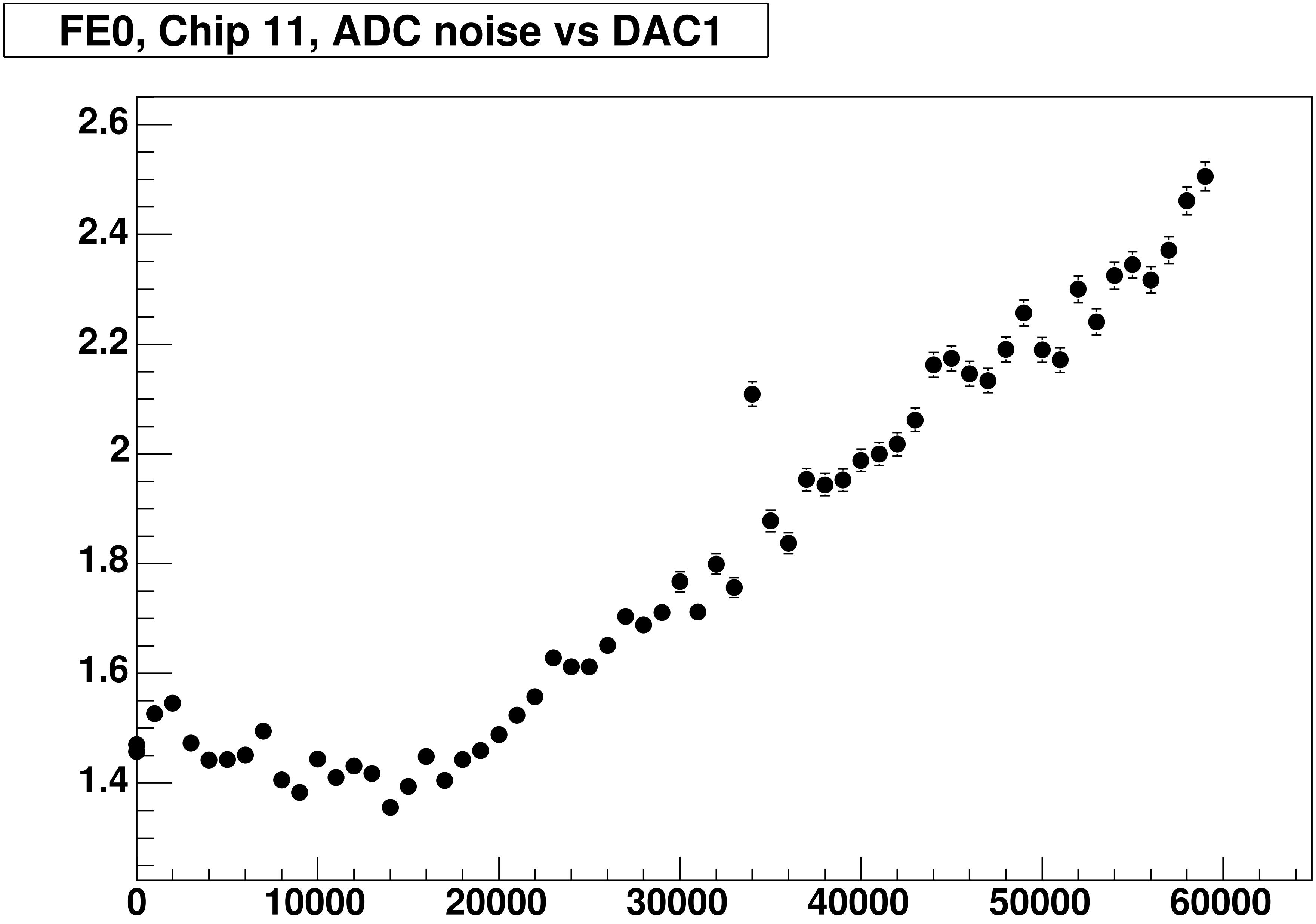


FE0, Chip 11, ADC noise vs DAC0
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

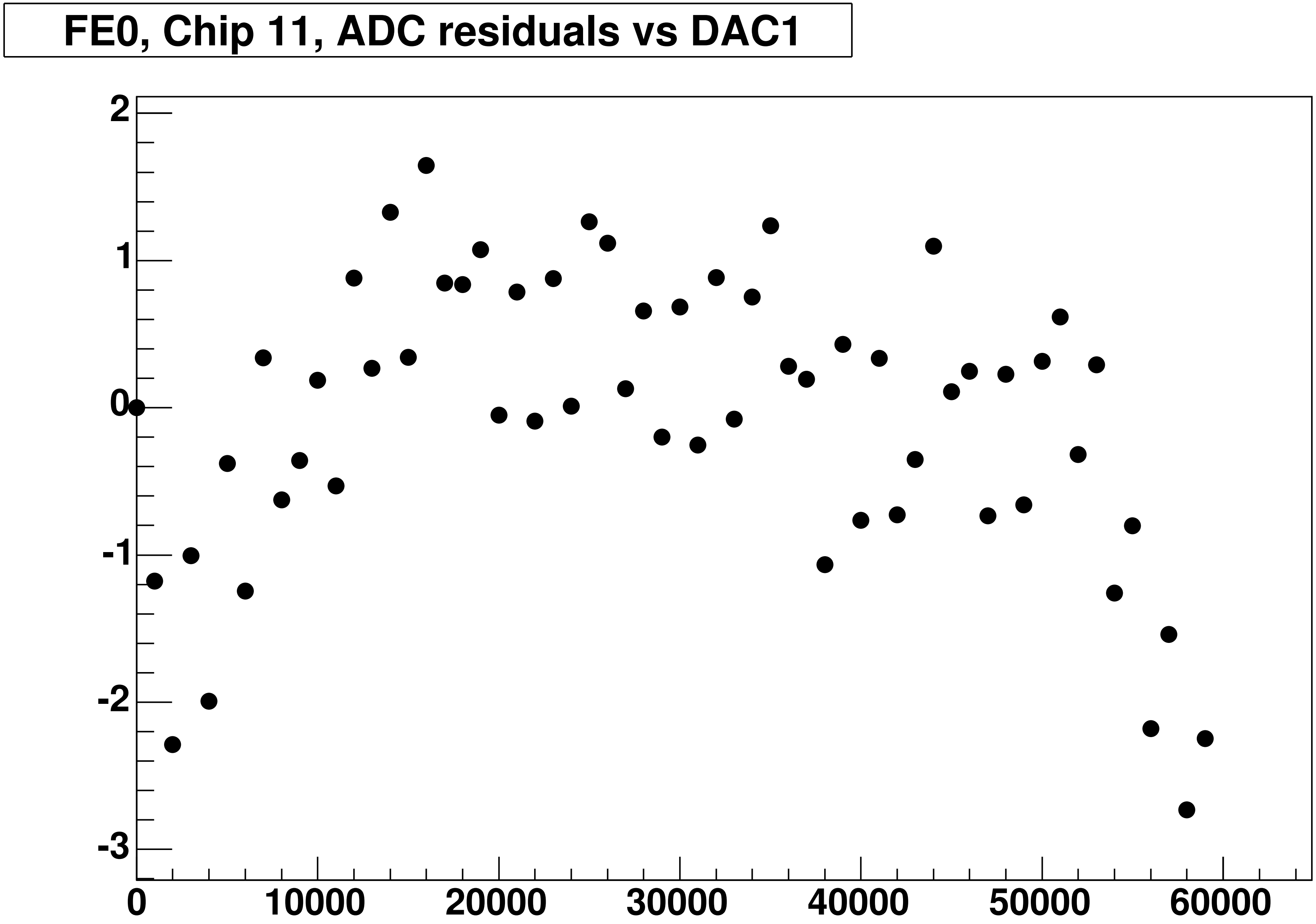

FE0, Chip 11, ADC residuals vs DAC0
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
-0.8
0
10000
20000
30000
40000
50000
60000

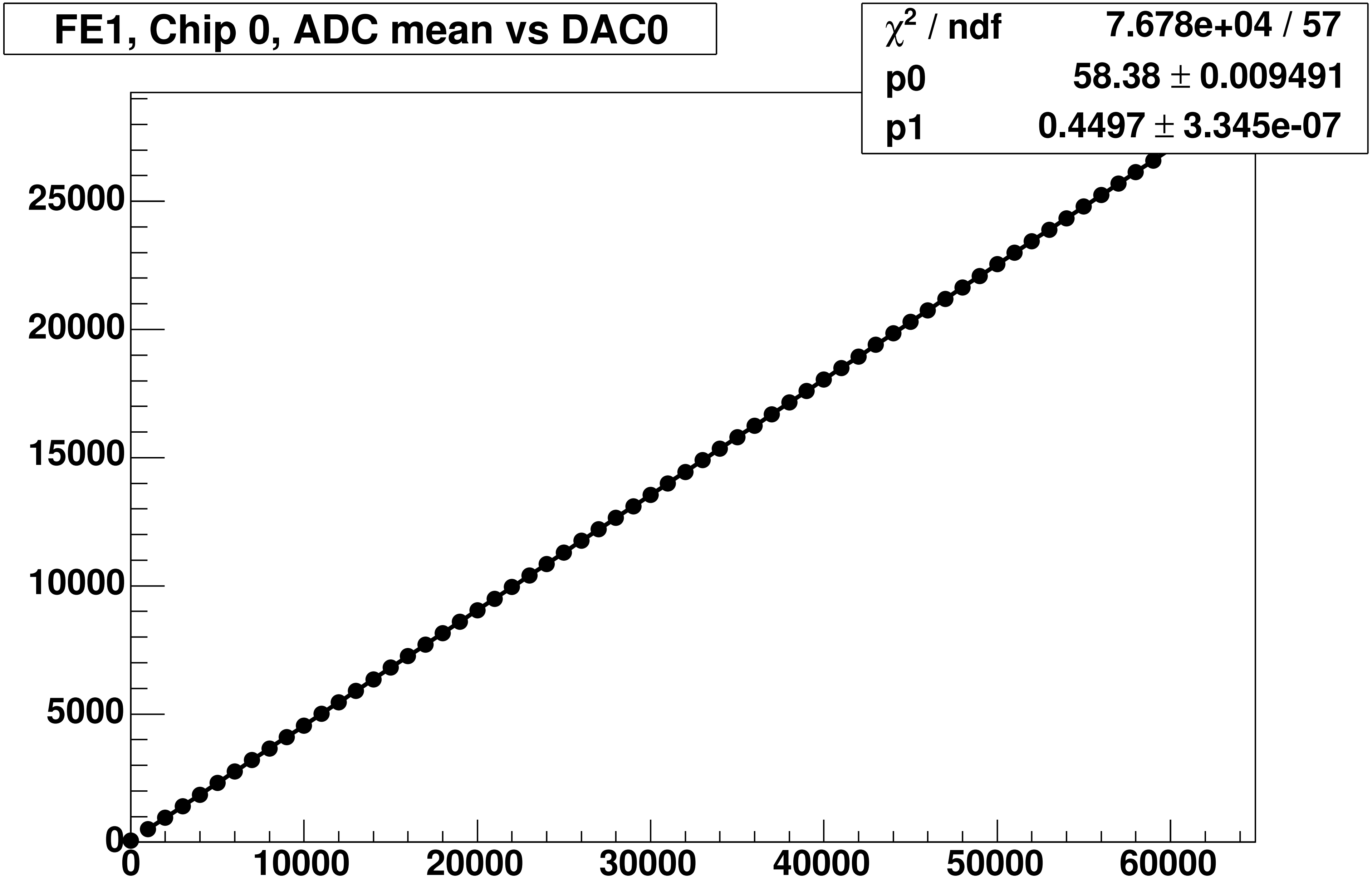


FE0, Chip 11, ADC mean vs DAC1
χ^2 / ndf 8.428e+04 / 57
p0 28.16 ± 0.006018
p1 0.4509 ± 2.074e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

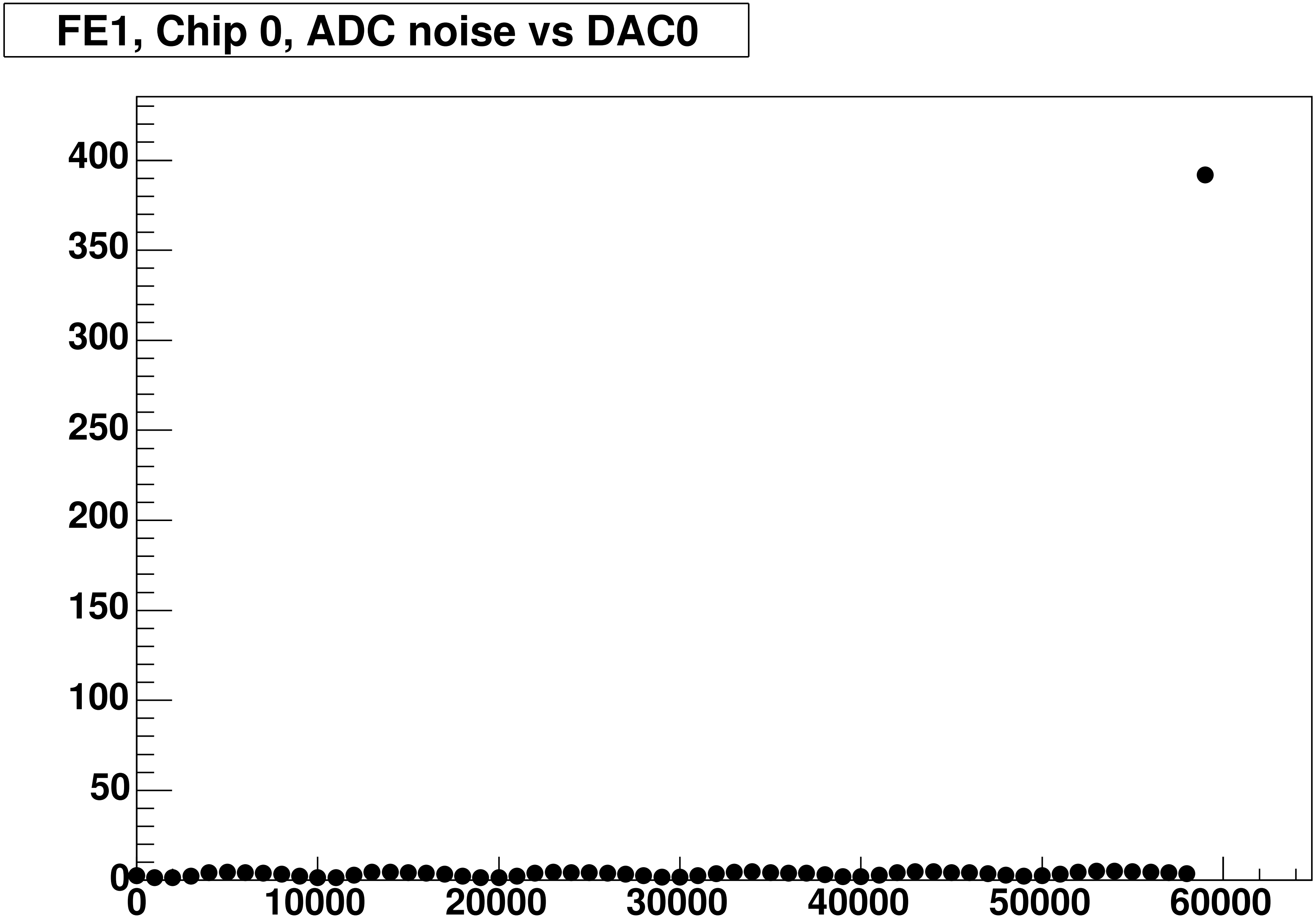


FE0, Chip 11, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0, Chip 11, ADC residuals vs DAC1
2
1
0
-1
-2
-3
0
10000
20000
30000
40000
50000
60000

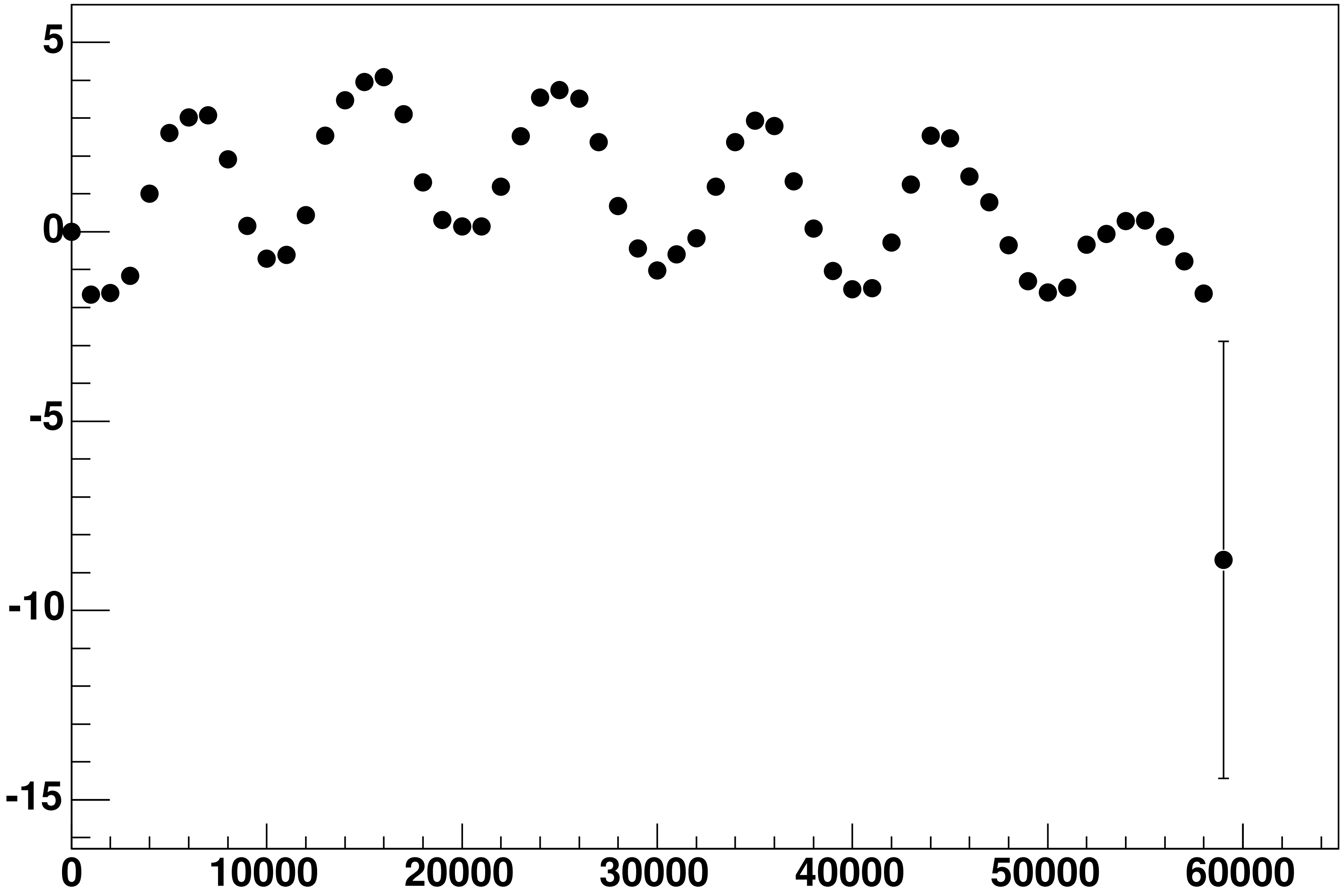


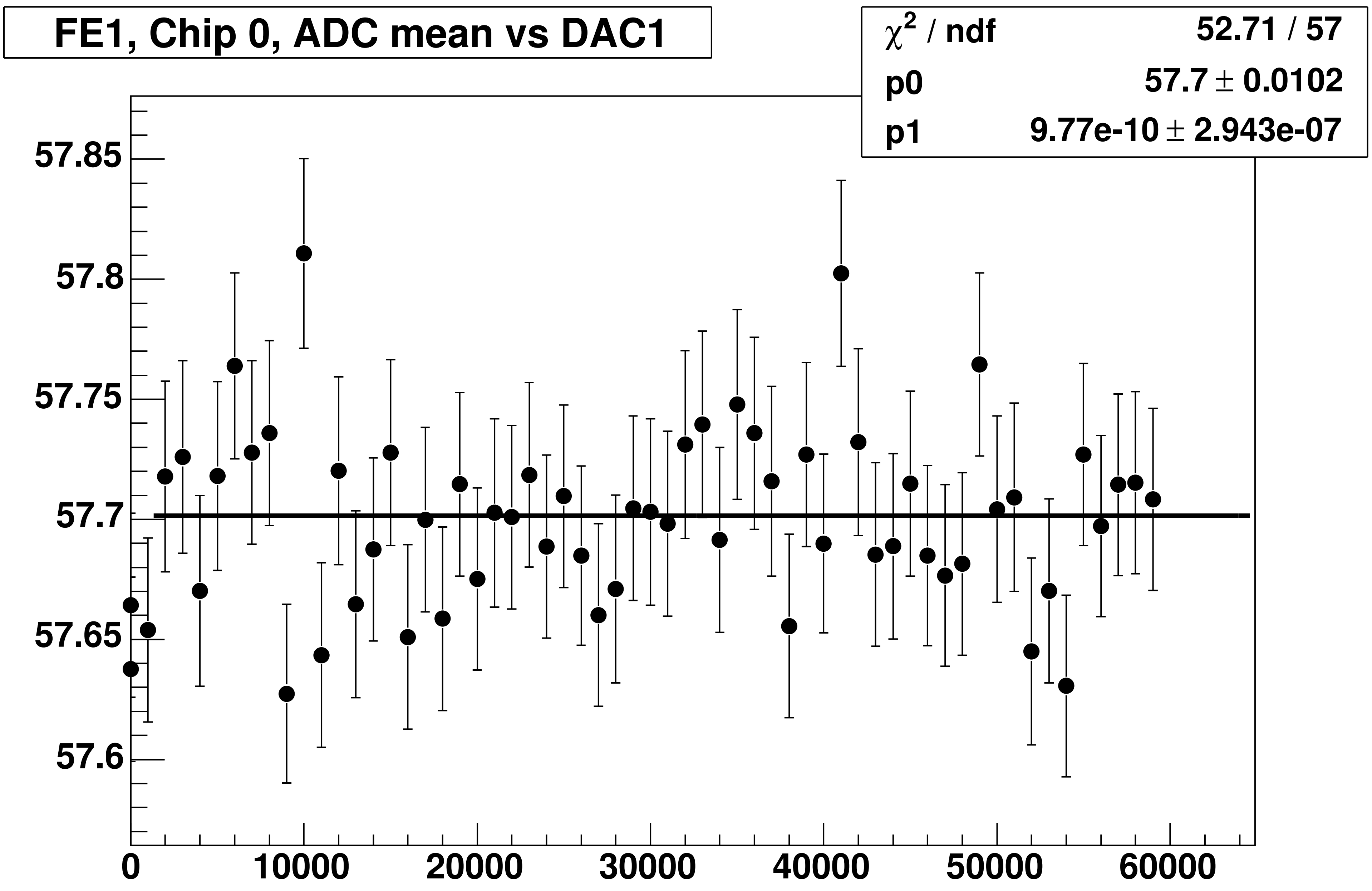
FE1, Chip 0, ADC mean vs DAC0
χ^2 / ndf 7.678e+04 / 57
p0 58.38 ± 0.009491
p1 0.4497 ± 3.345e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



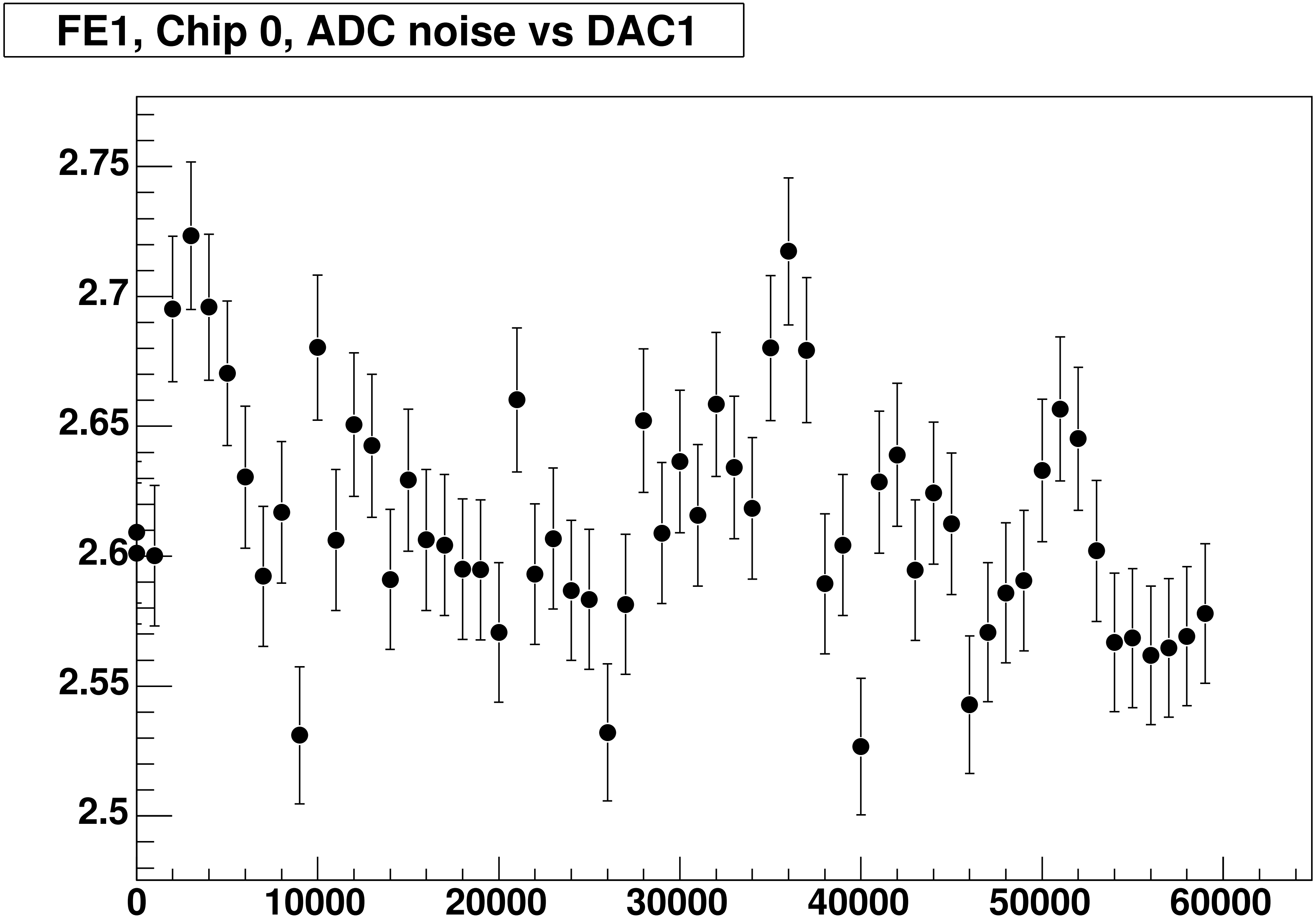
FE1, Chip 0, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

FE1, Chip 0, ADC residuals vs DAC0

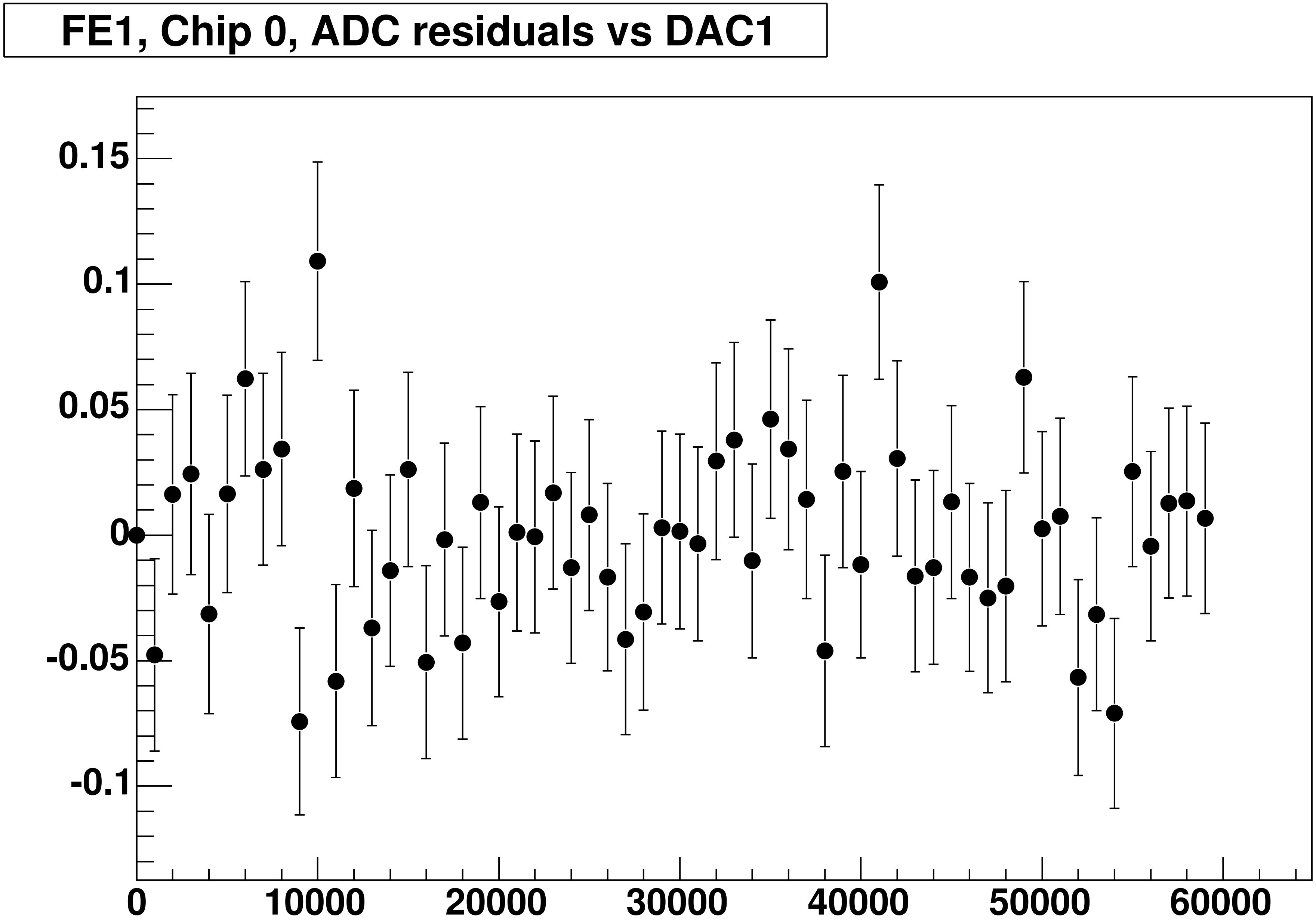




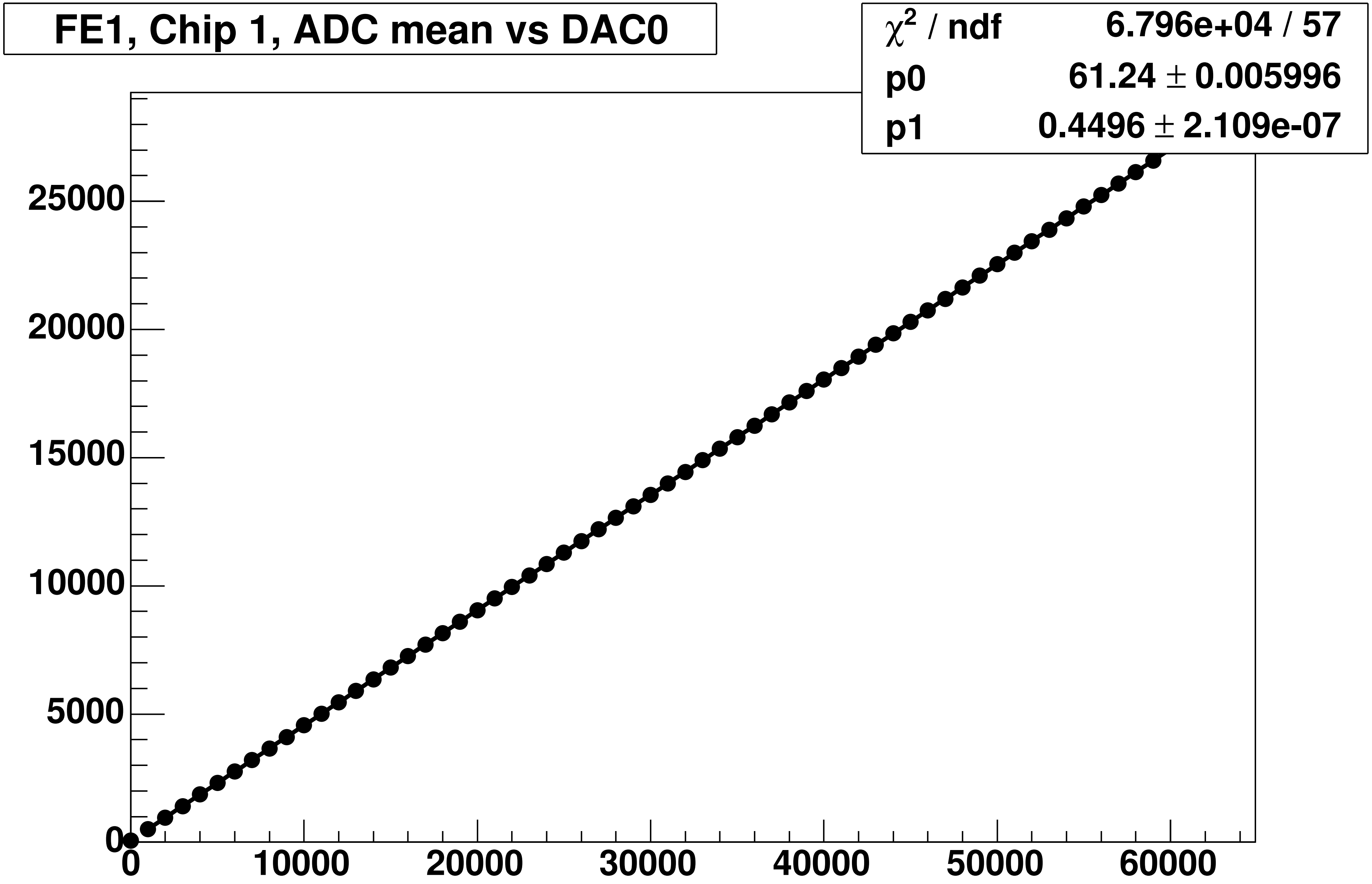
FE1, Chip 0, ADC mean vs DAC1
χ^2 / ndf 52.71 / 57
p0 57.7 ± 0.0102
p1 9.77e-10 ± 2.943e-07
57.85
57.8
57.75
57.7
57.65
57.6
0
10000
20000
30000
40000
50000
60000

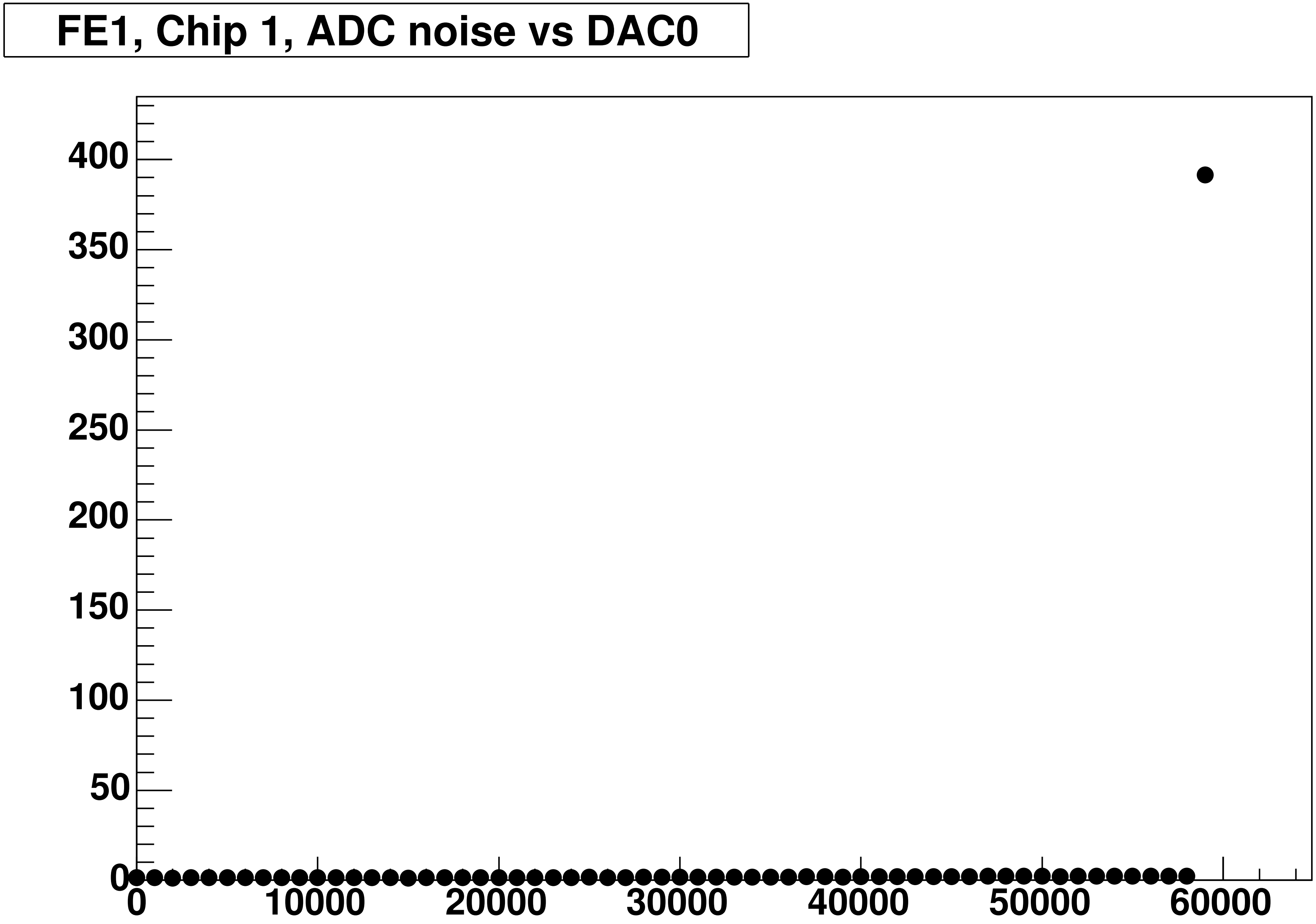


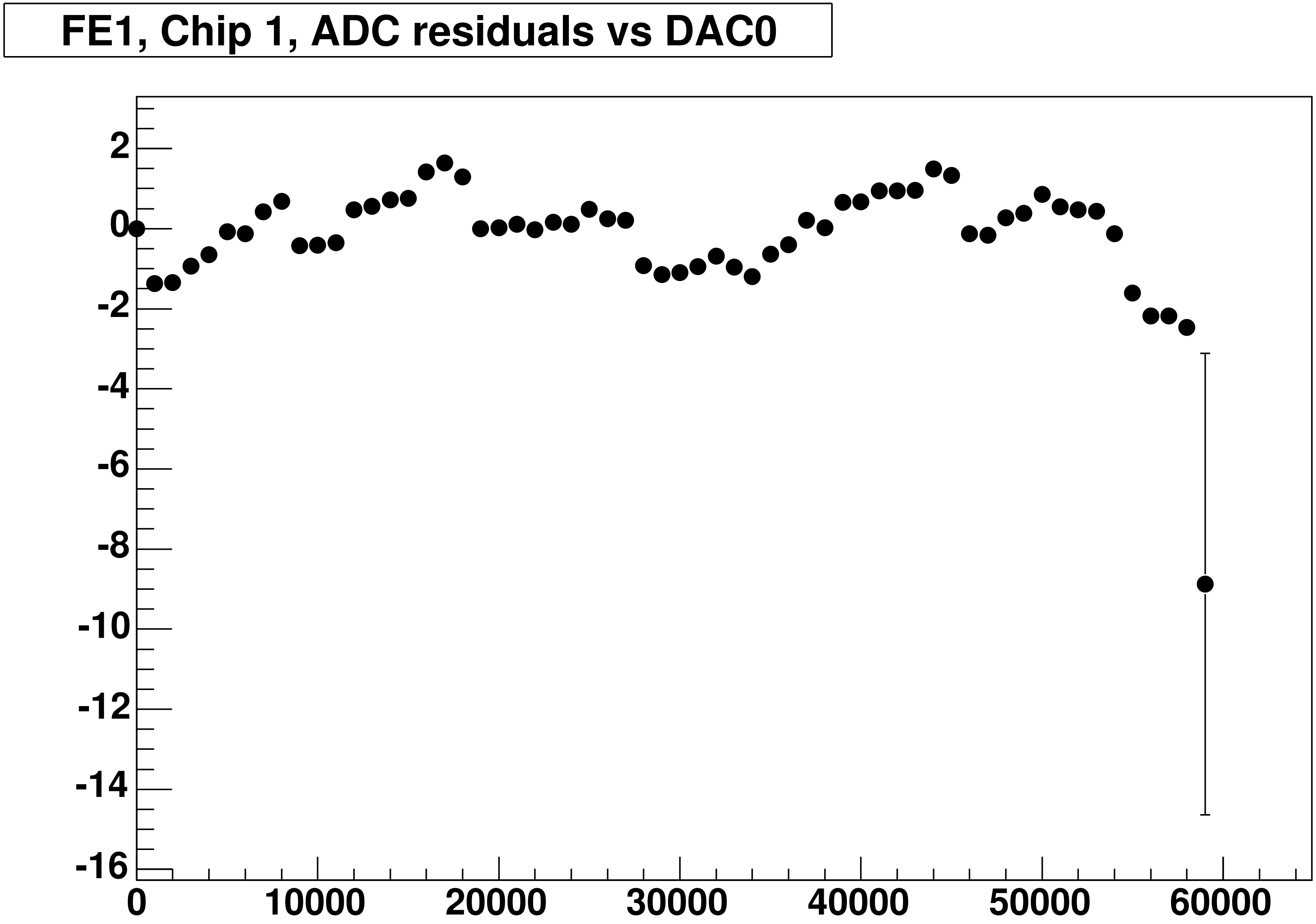
FE1, Chip 0, ADC noise vs DAC1
2.75
2.7
2.65
2.6
2.55
2.5
0
10000
20000
30000
40000
50000
60000

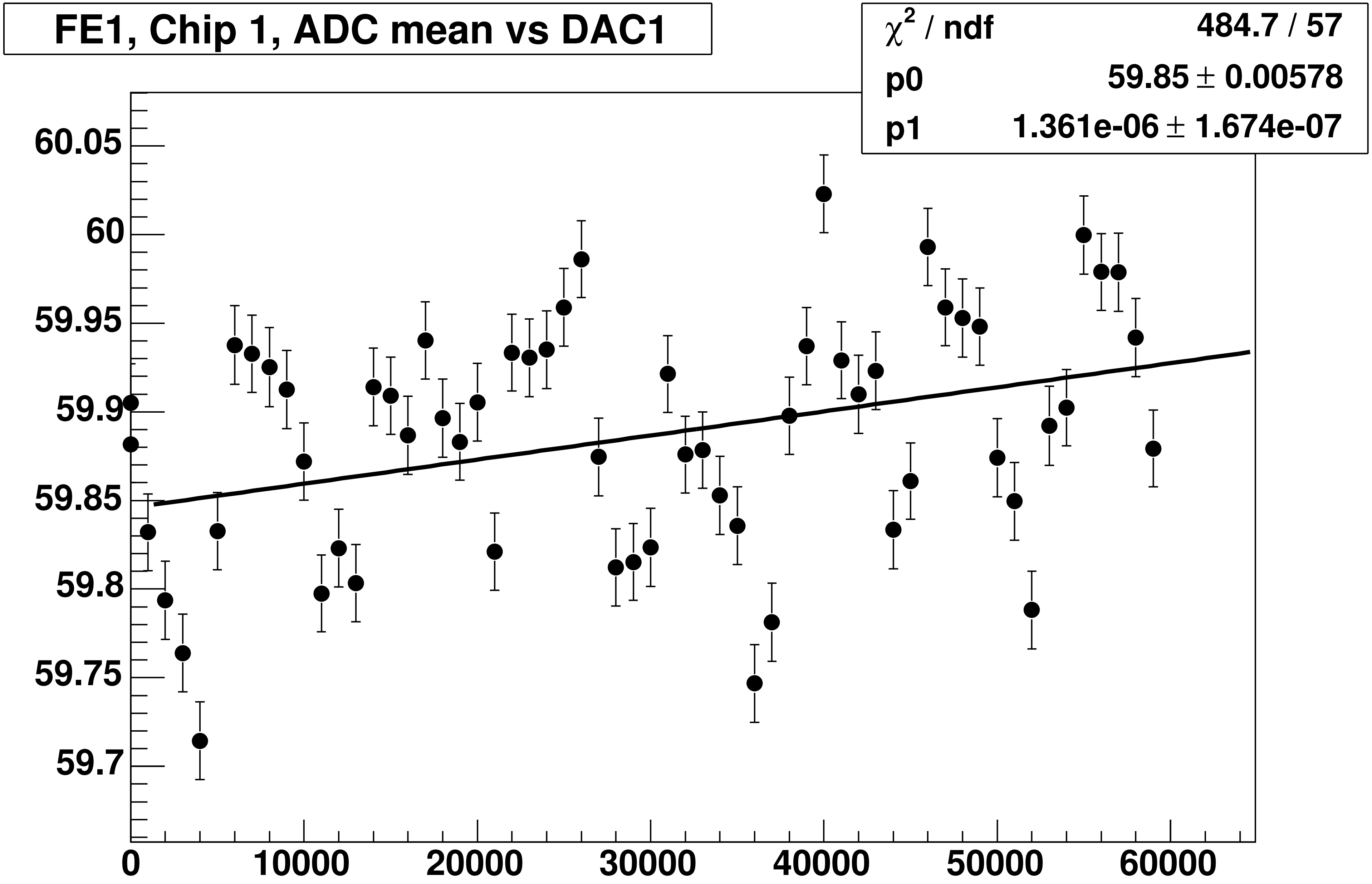


FE1, Chip 0, ADC residuals vs DAC1
0.15
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000

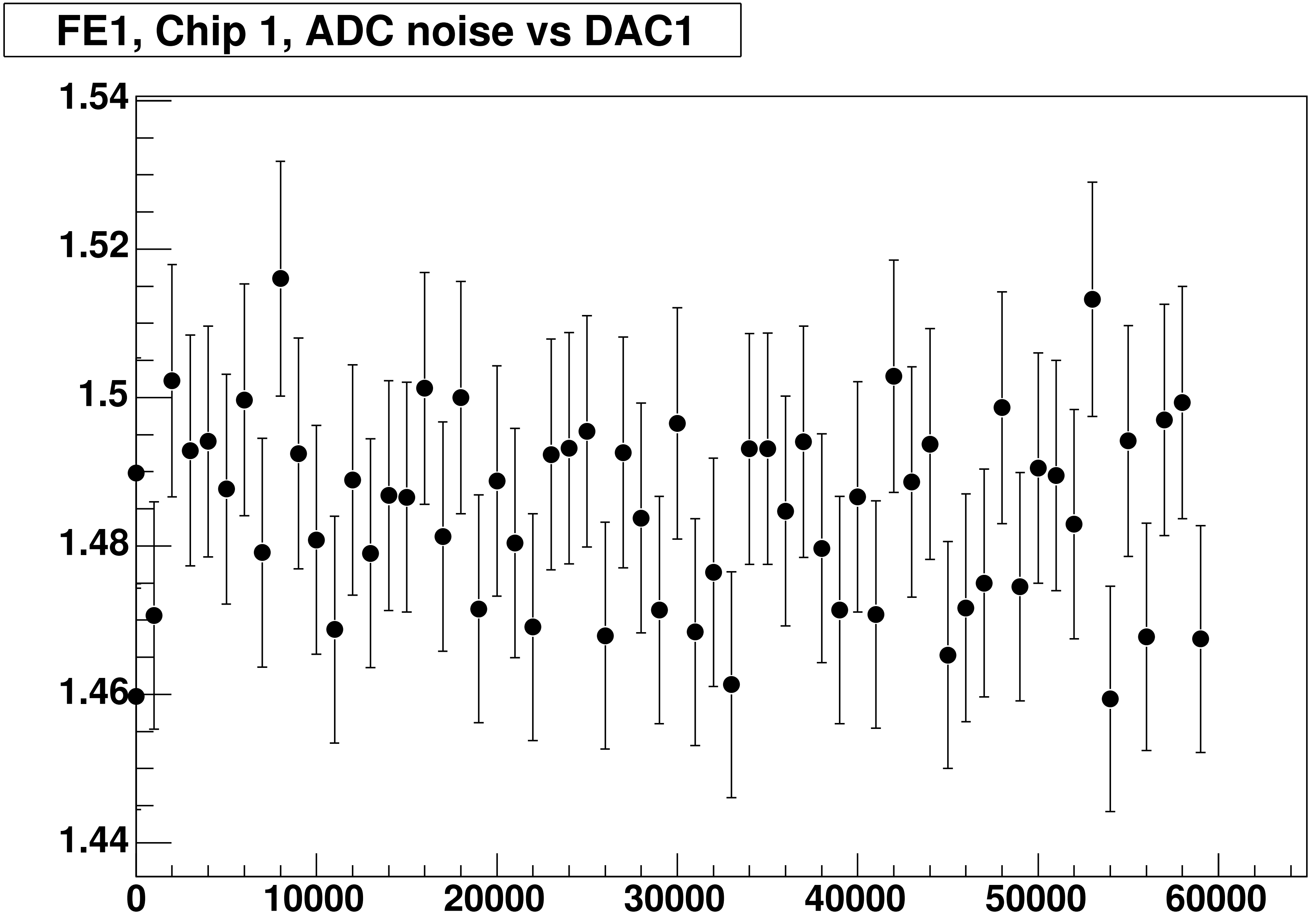

FE1, Chip 1, ADC mean vs DAC0
χ^2 / ndf 6.796e+04 / 57
p0 61.24 ± 0.005996
p1 0.4496 ± 2.109e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

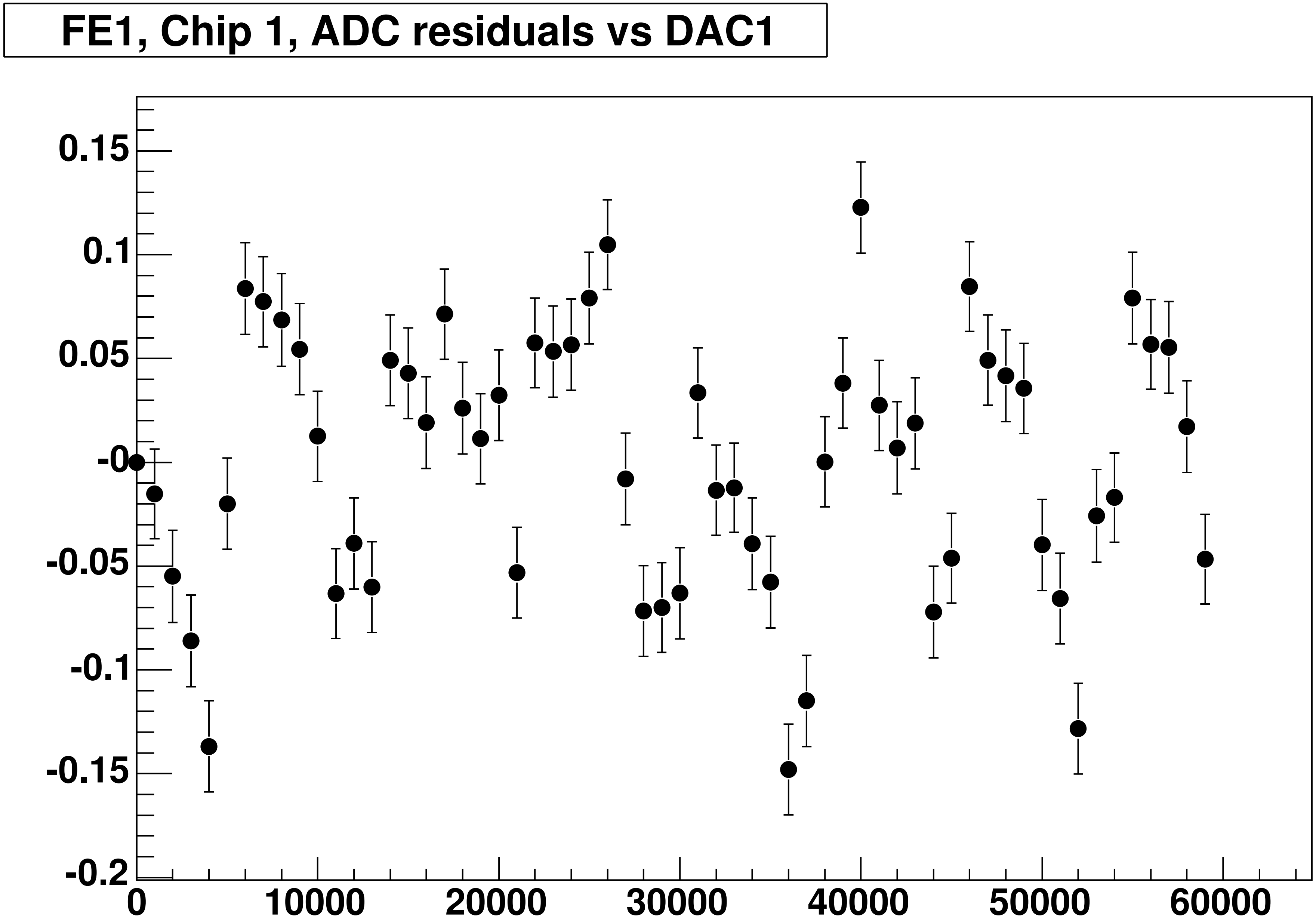

FE1, Chip 1, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

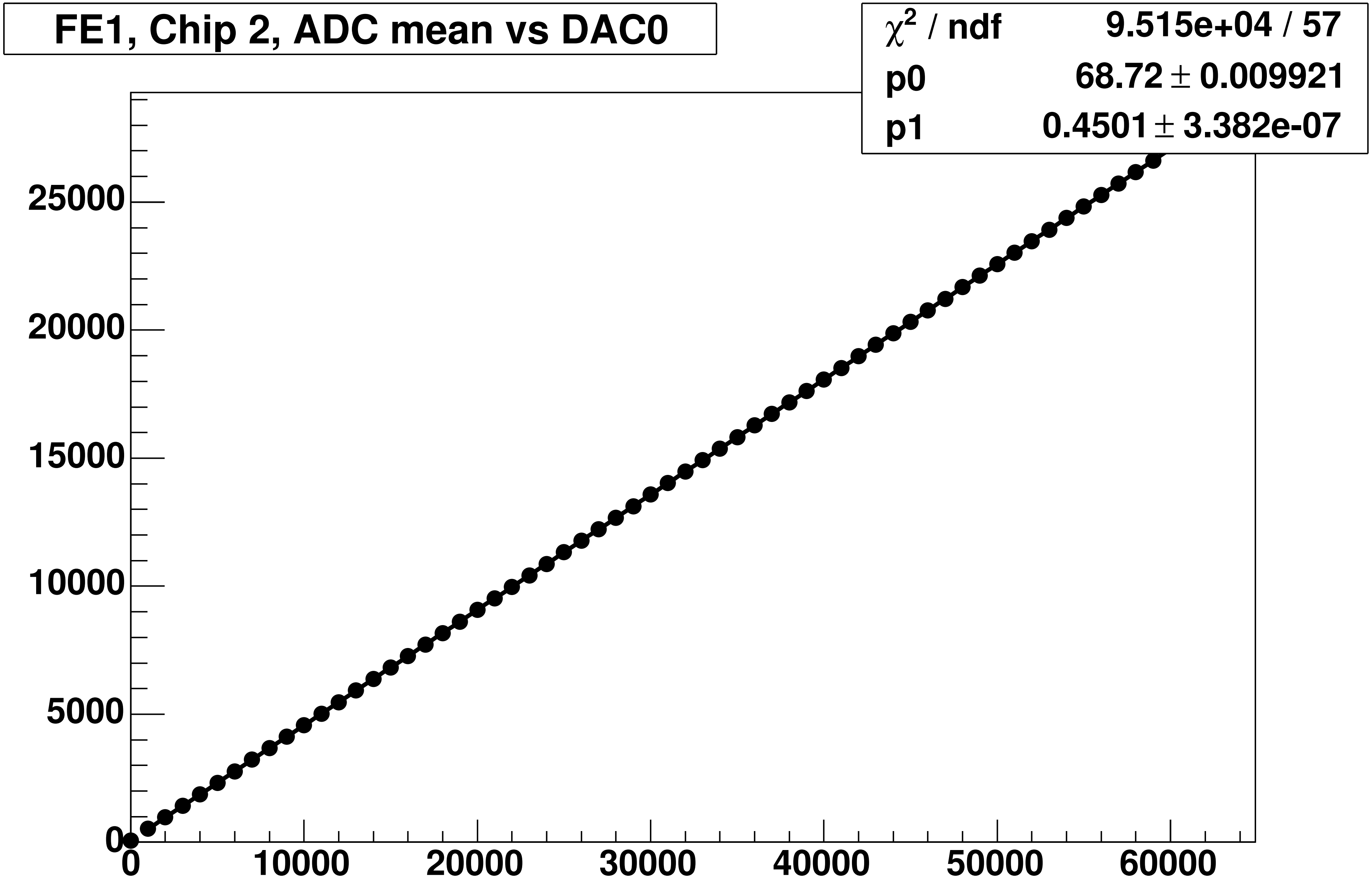

FE1, Chip 1, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000

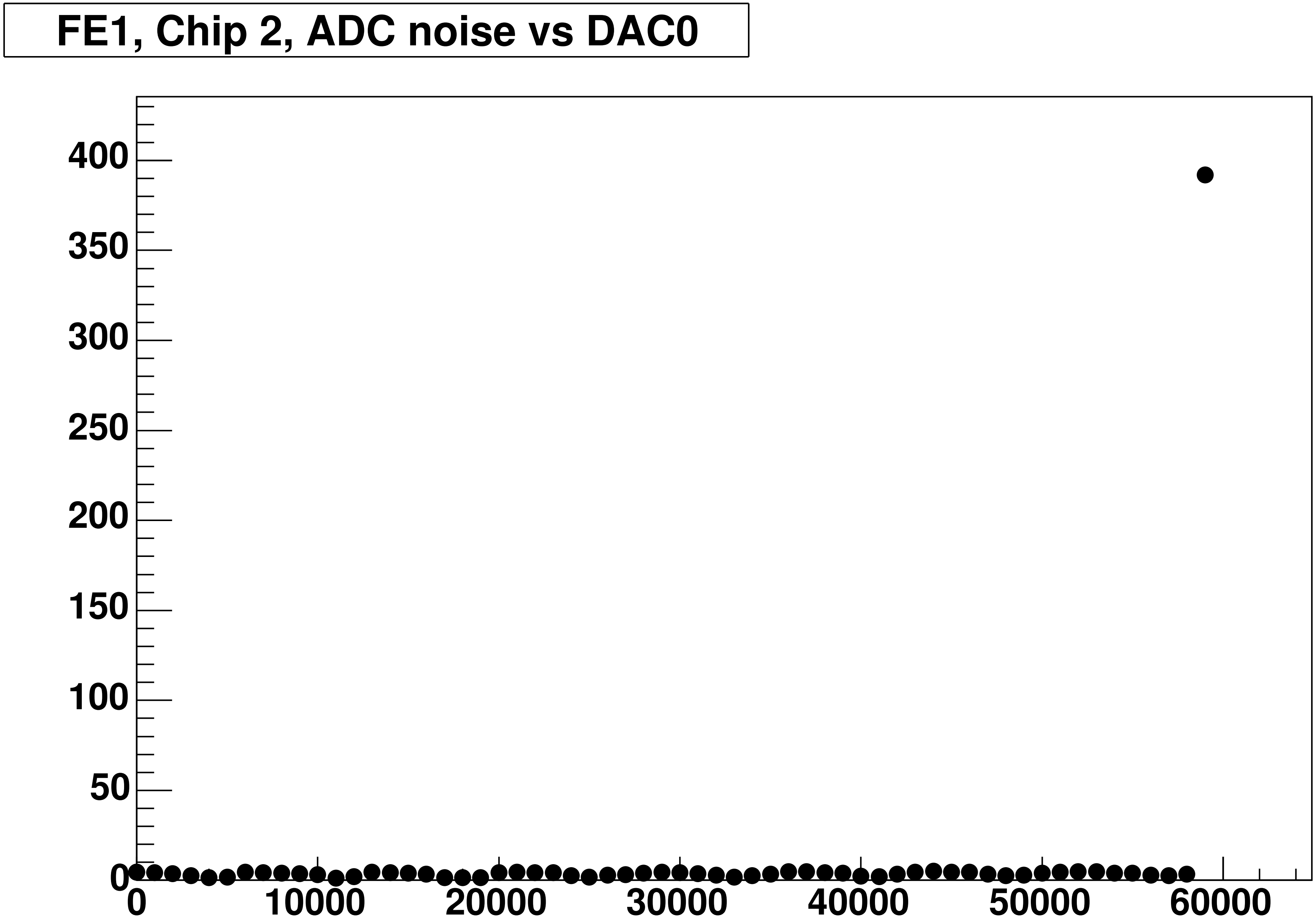


FE1, Chip 1, ADC mean vs DAC1
χ^2 / ndf 484.7 / 57
p0 59.85 ± 0.00578
p1 1.361e-06 ± 1.674e-07
60.05
60
59.95
59.9
59.85
59.8
59.75
59.7
0
10000
20000
30000
40000
50000
60000

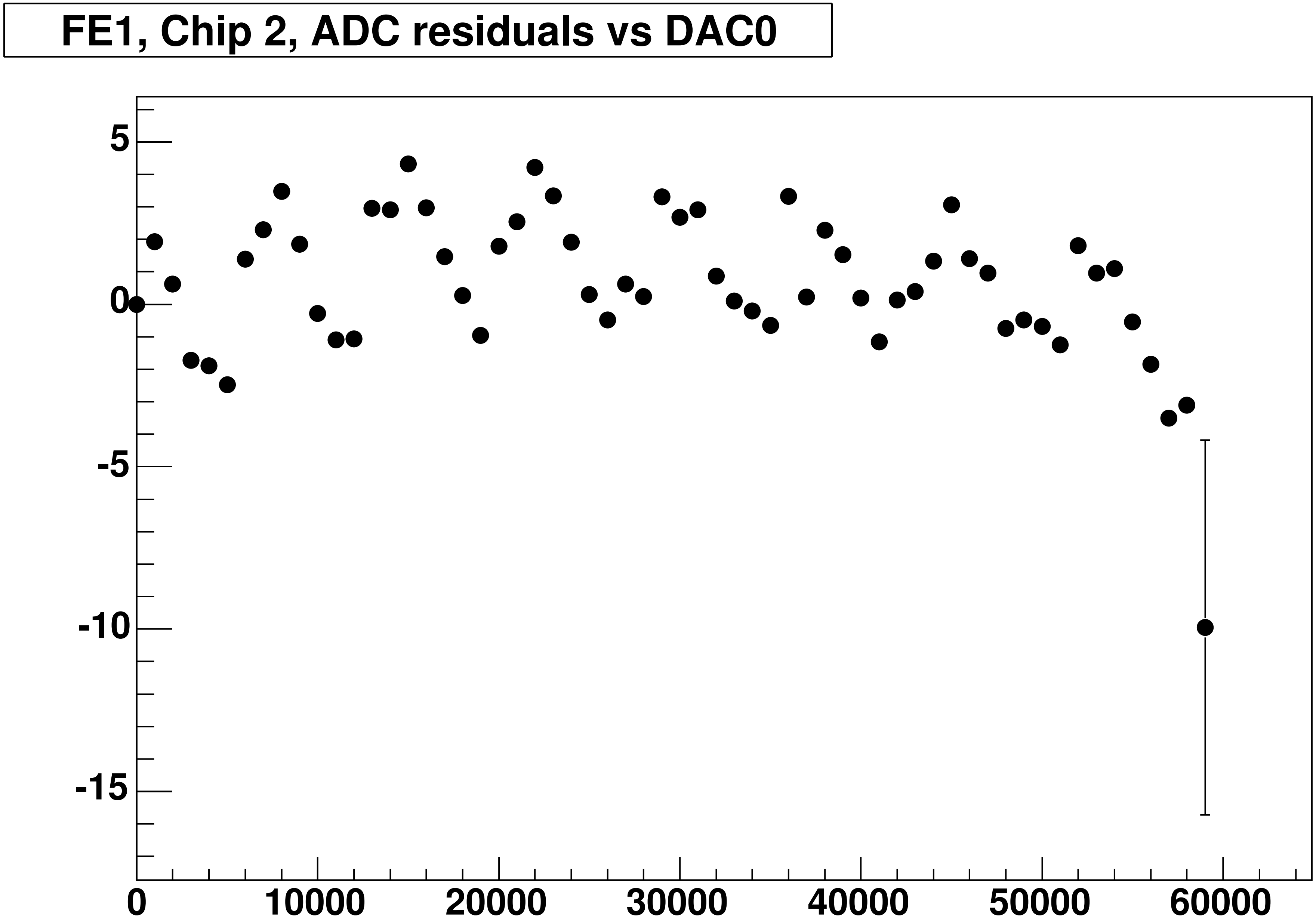

FE1, Chip 1, ADC noise vs DAC1
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

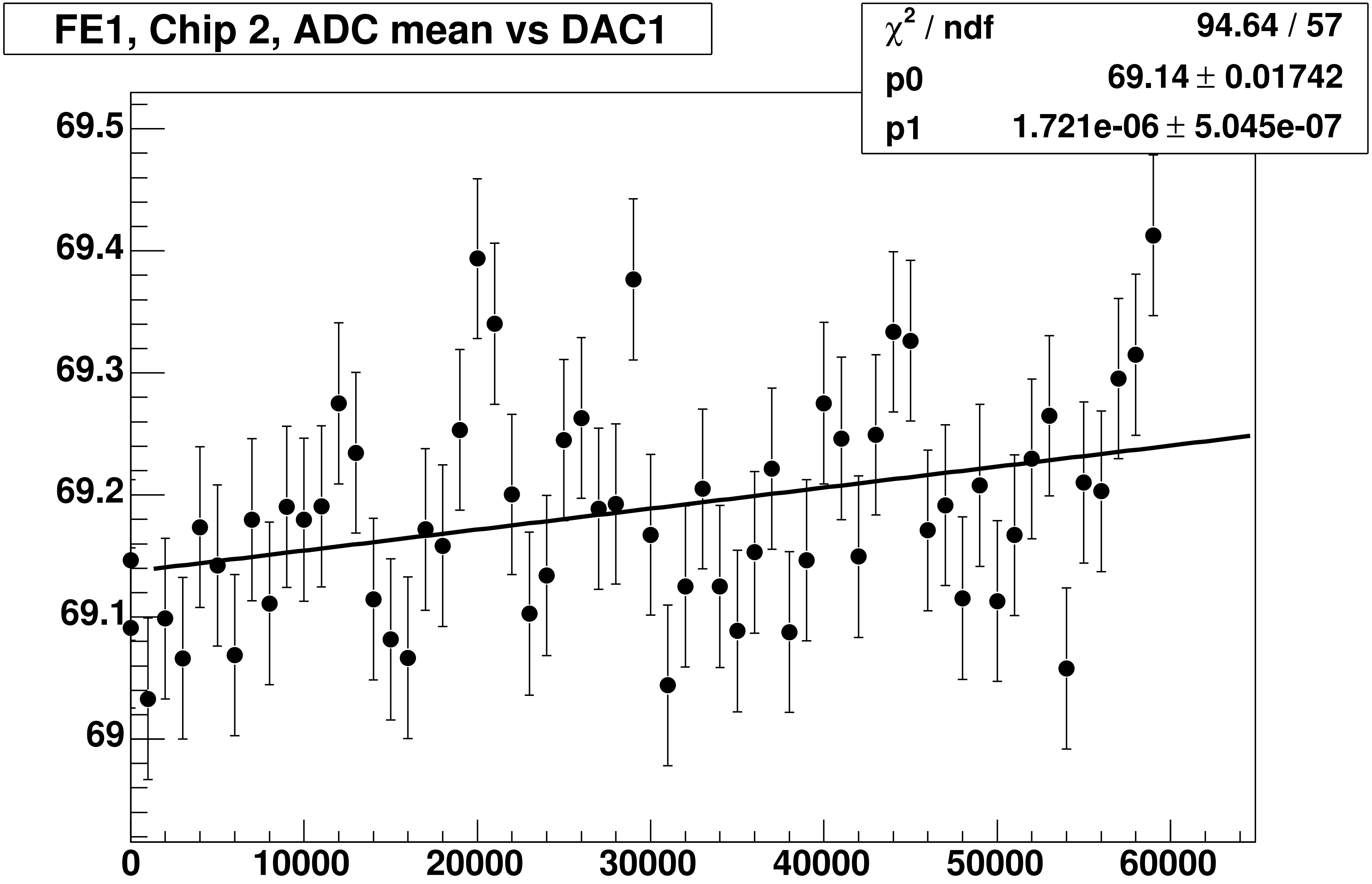

FE1, Chip 1, ADC residuals vs DAC1
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
0
10000
20000
30000
40000
50000
60000


FE1, Chip 2, ADC mean vs DAC0
χ^2 / ndf 9.515e+04 / 57
p0 68.72 ± 0.009921
p1 0.4501 ± 3.382e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

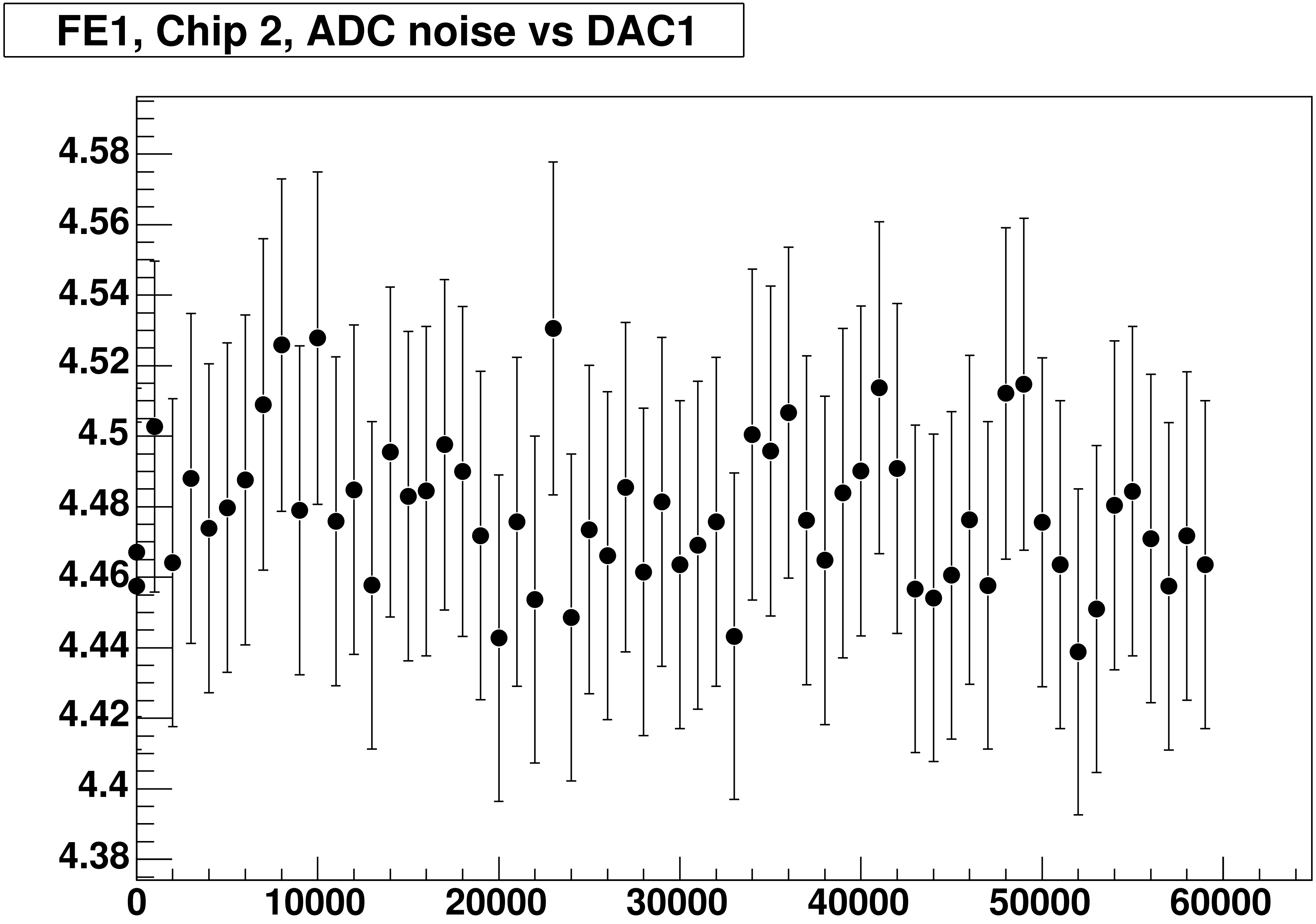


FE1, Chip 2, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

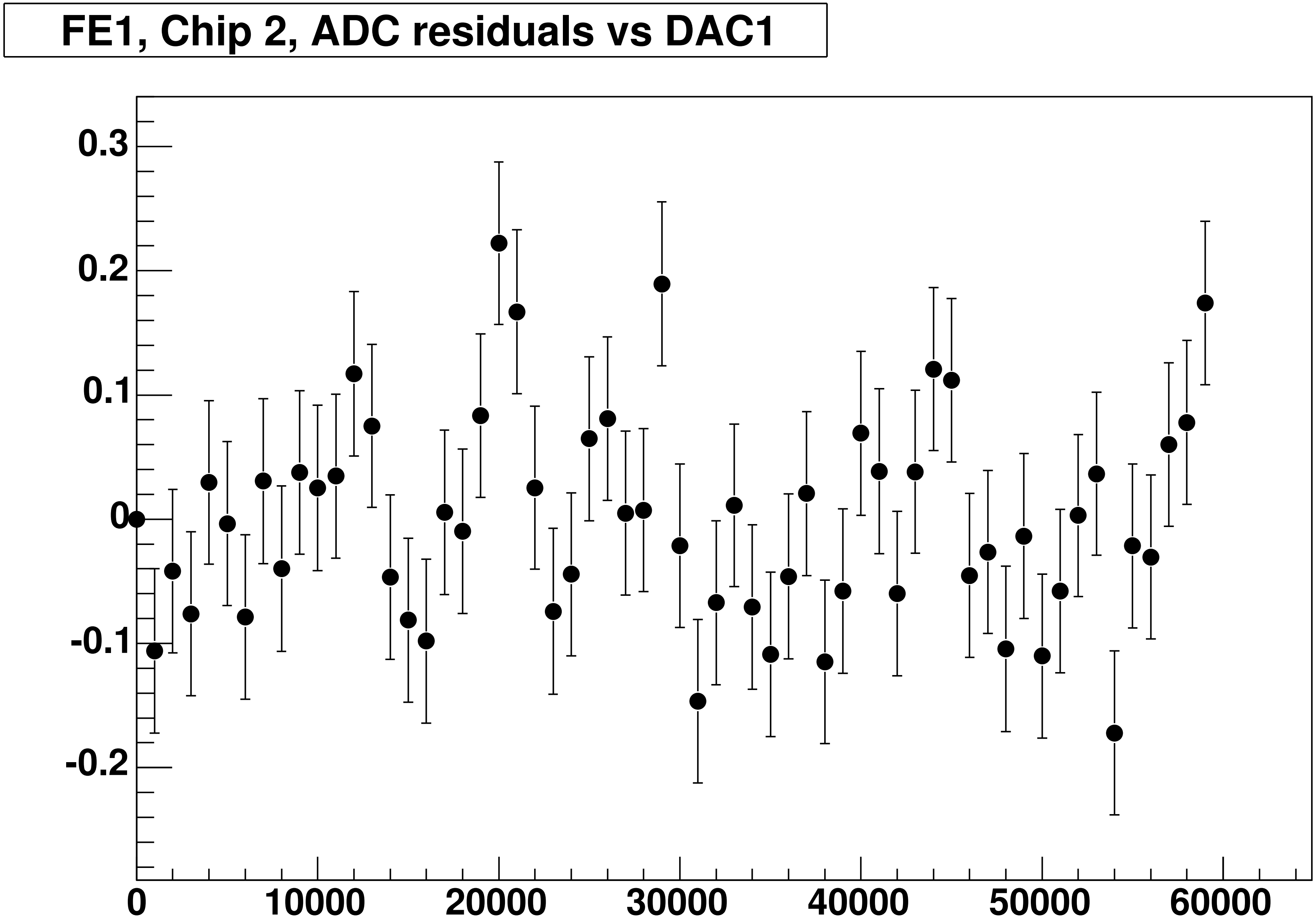

FE1, Chip 2, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

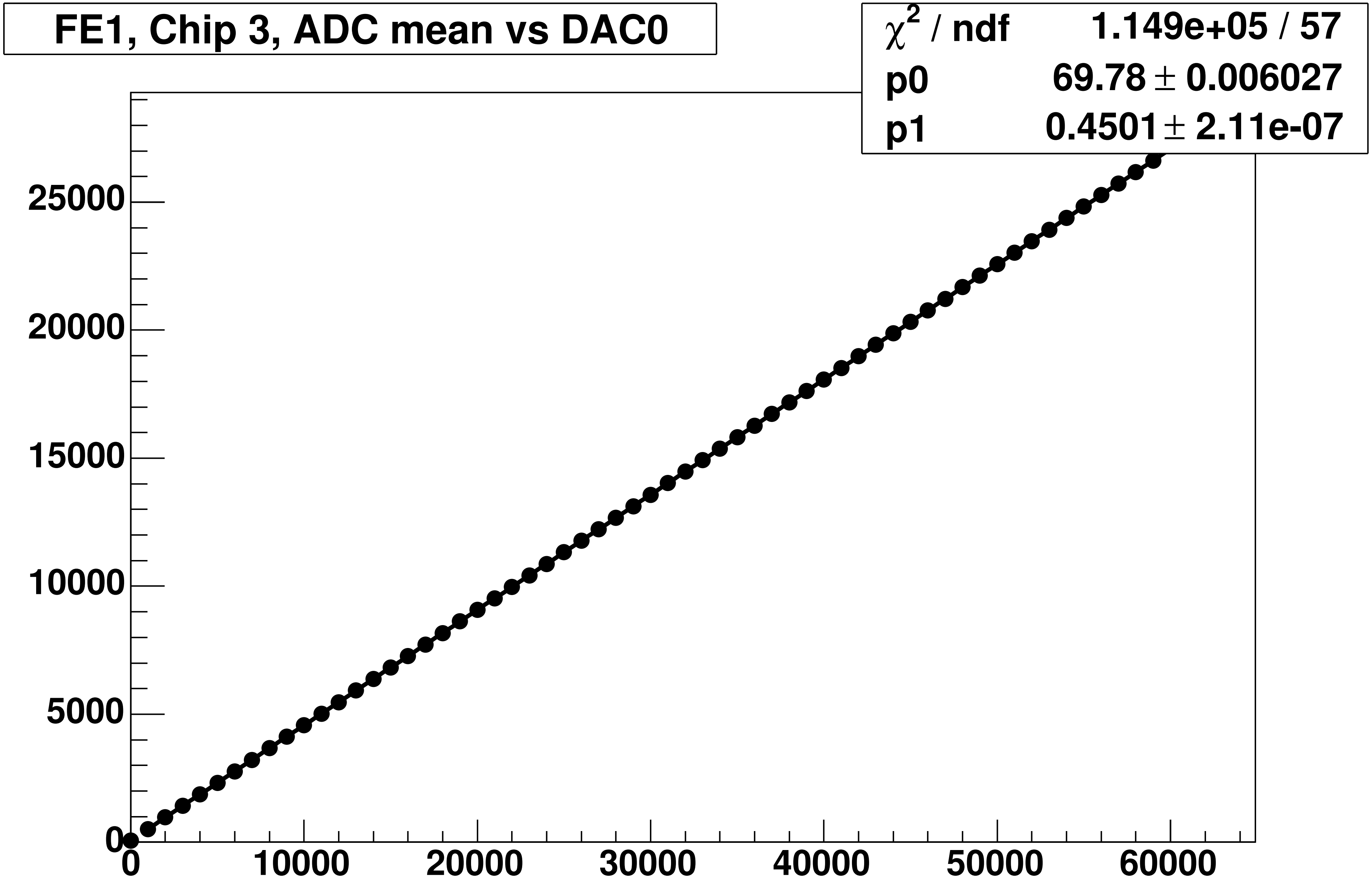


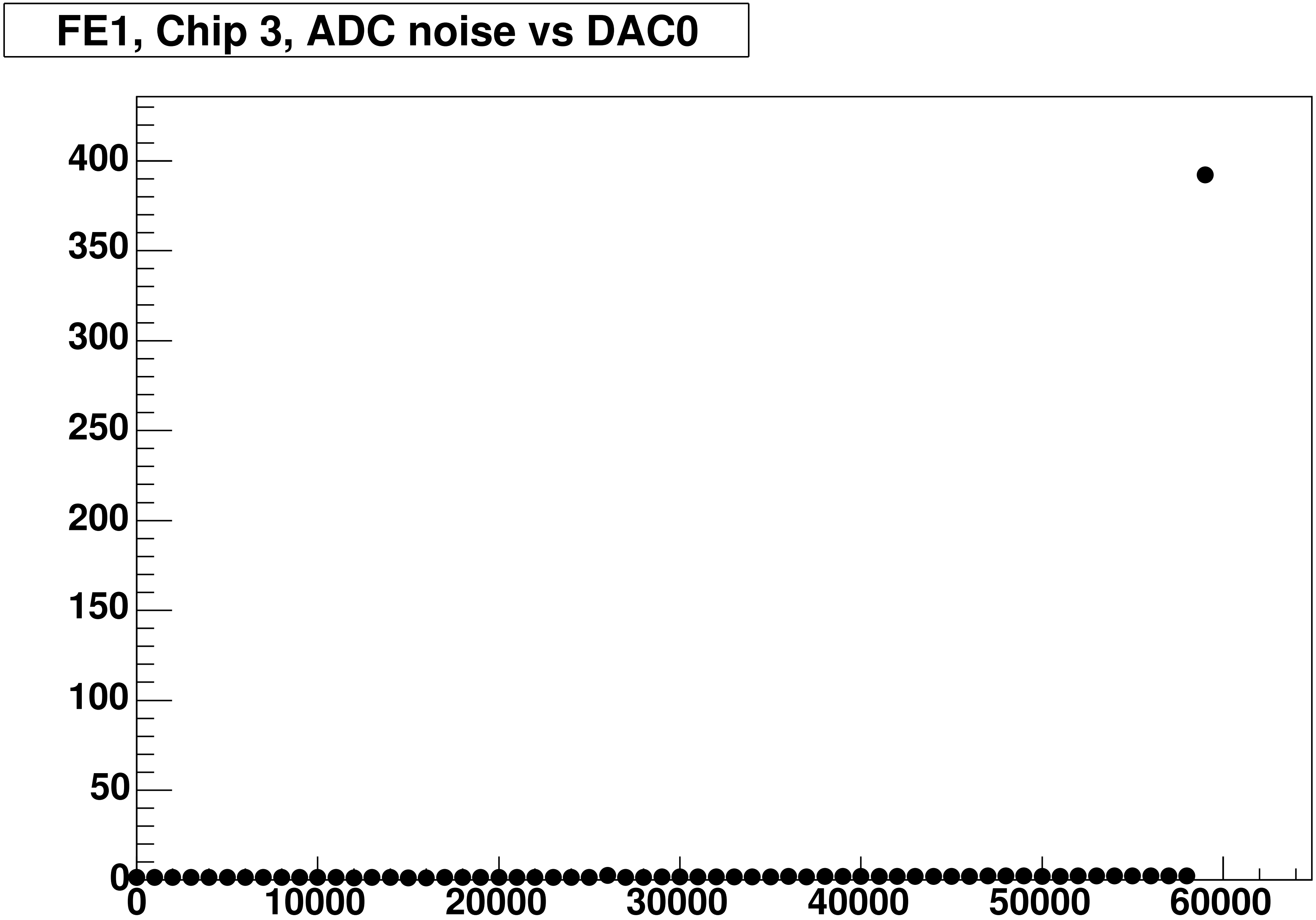
FE1, Chip 2, ADC mean vs DAC1
χ^2 / ndf 94.64 / 57
p0 69.14 ± 0.01742
p1 1.721e-06 ± 5.045e-07
69.5
69.4
69.3
69.2
69.1
69
0
10000
20000
30000
40000
50000
60000

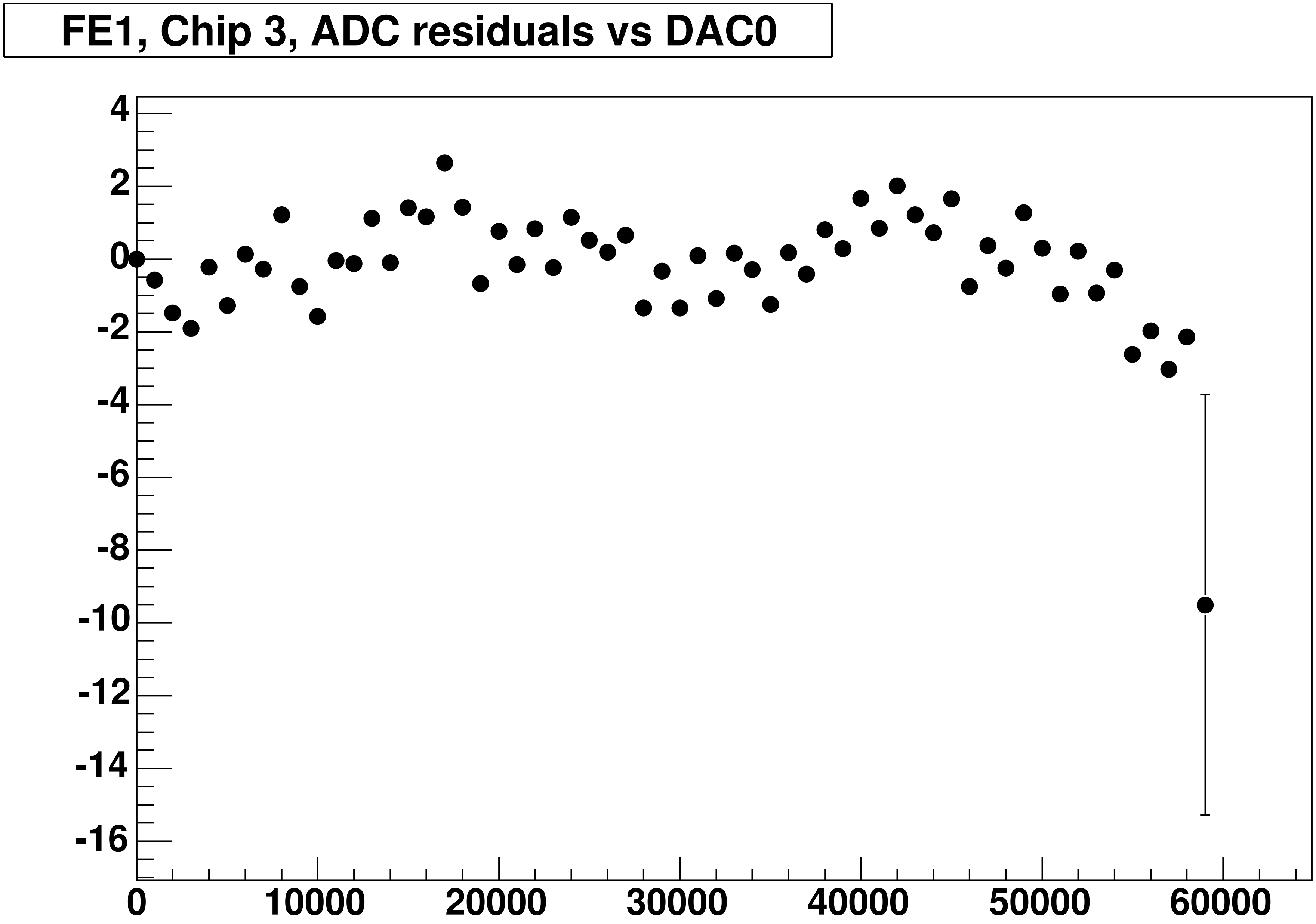


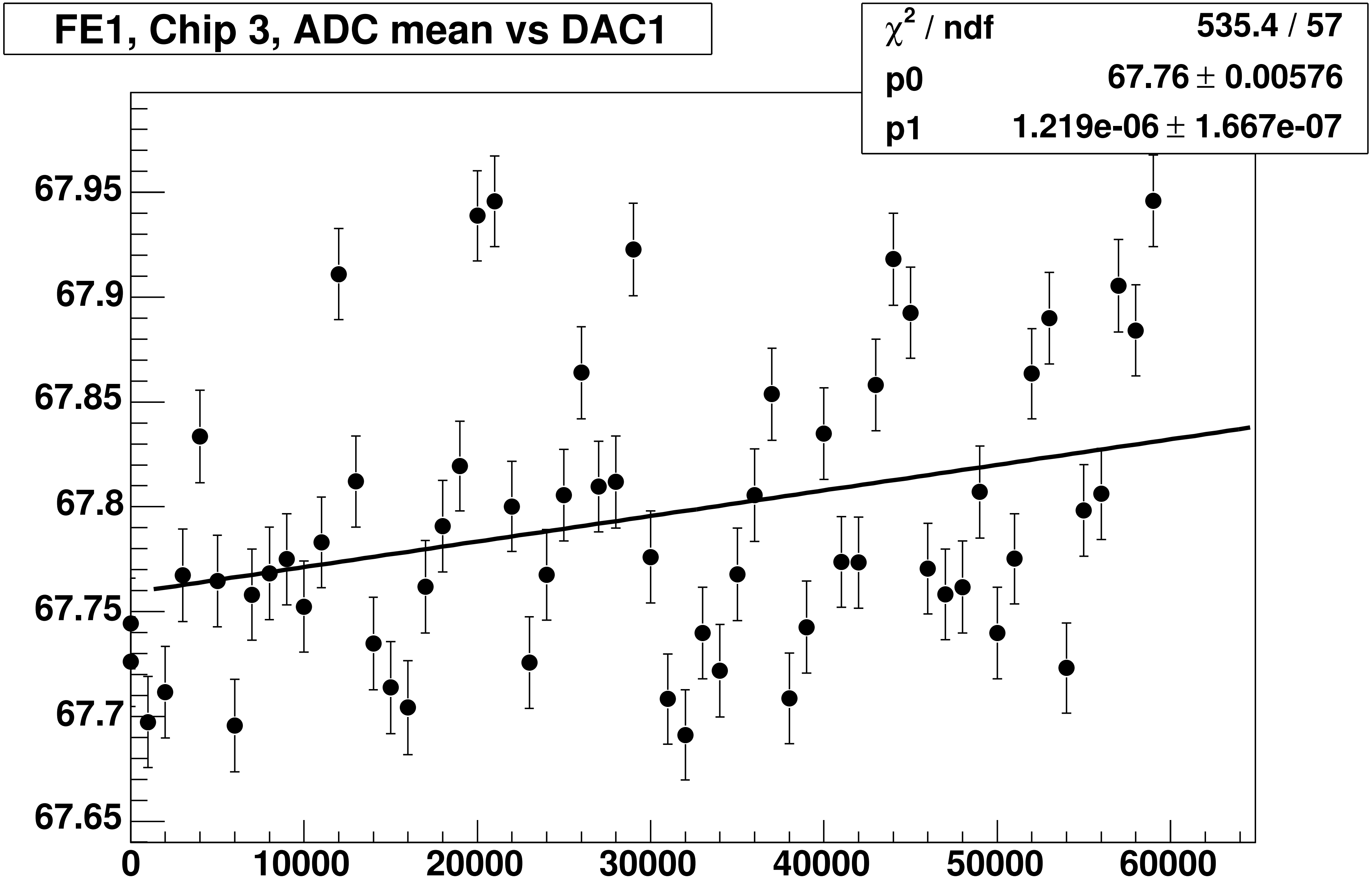
FE1, Chip 2, ADC noise vs DAC1
4.58
4.56
4.54
4.52
4.5
4.48
4.46
4.44
4.42
4.4
4.38
0
10000
20000
30000
40000
50000
60000

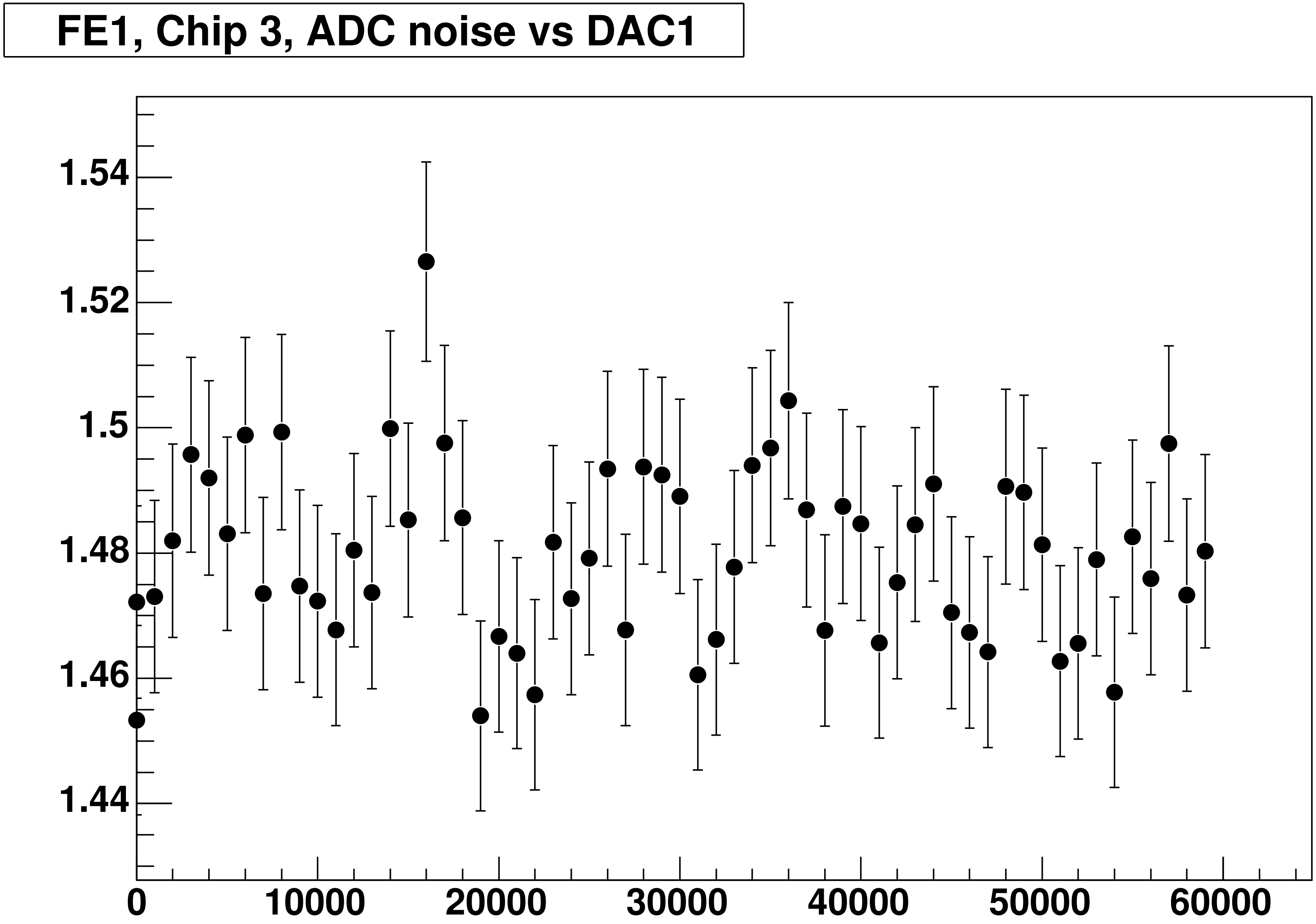

FE1, Chip 2, ADC residuals vs DAC1
0.3
0.2
0.1
0
-0.1
-0.2
0
10000
20000
30000
40000
50000
60000

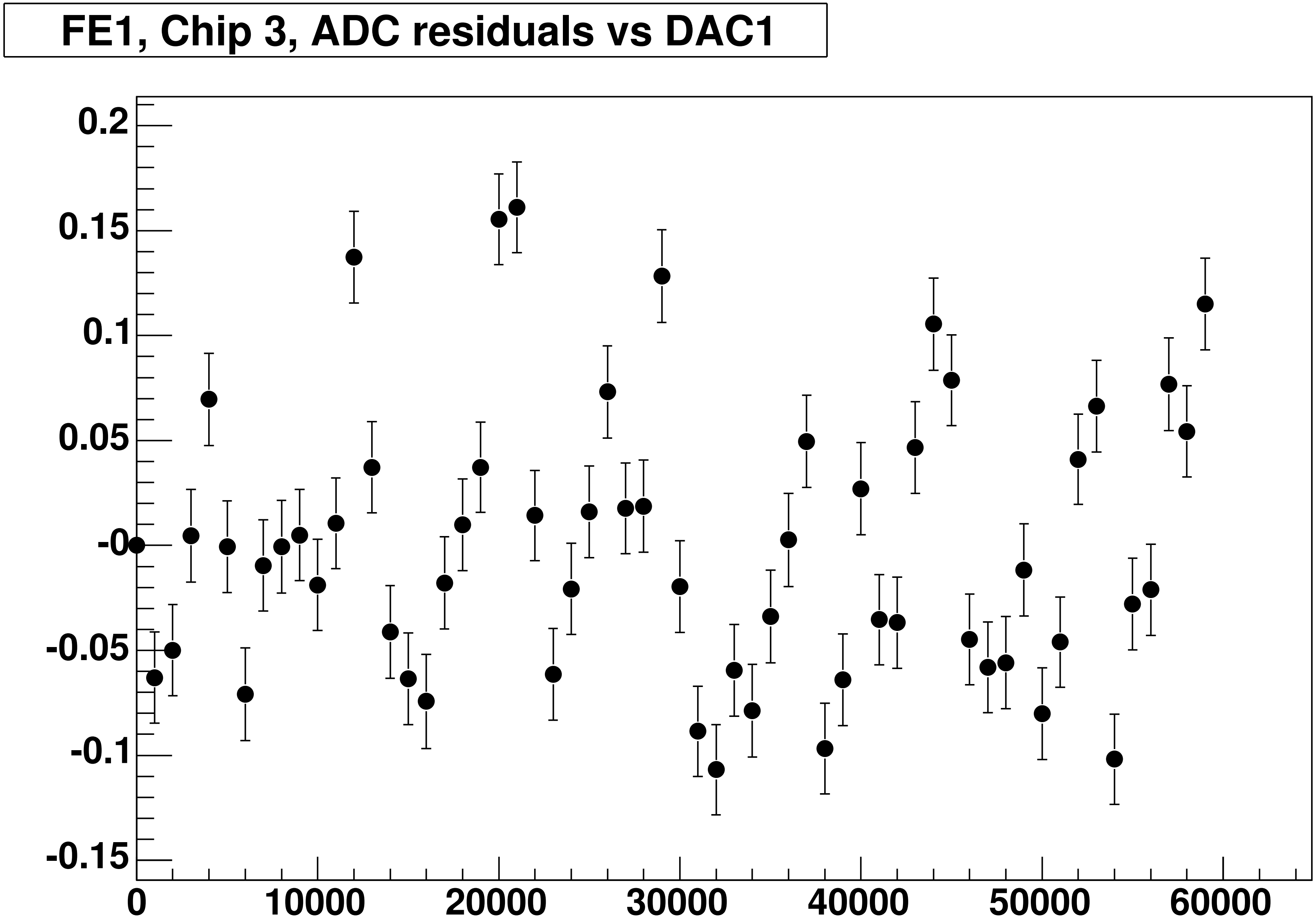

FE1, Chip 3, ADC mean vs DAC0
χ^2 / ndf 1.149e+05 / 57
p0 69.78 ± 0.006027
p1 0.4501 ± 2.11e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 3, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

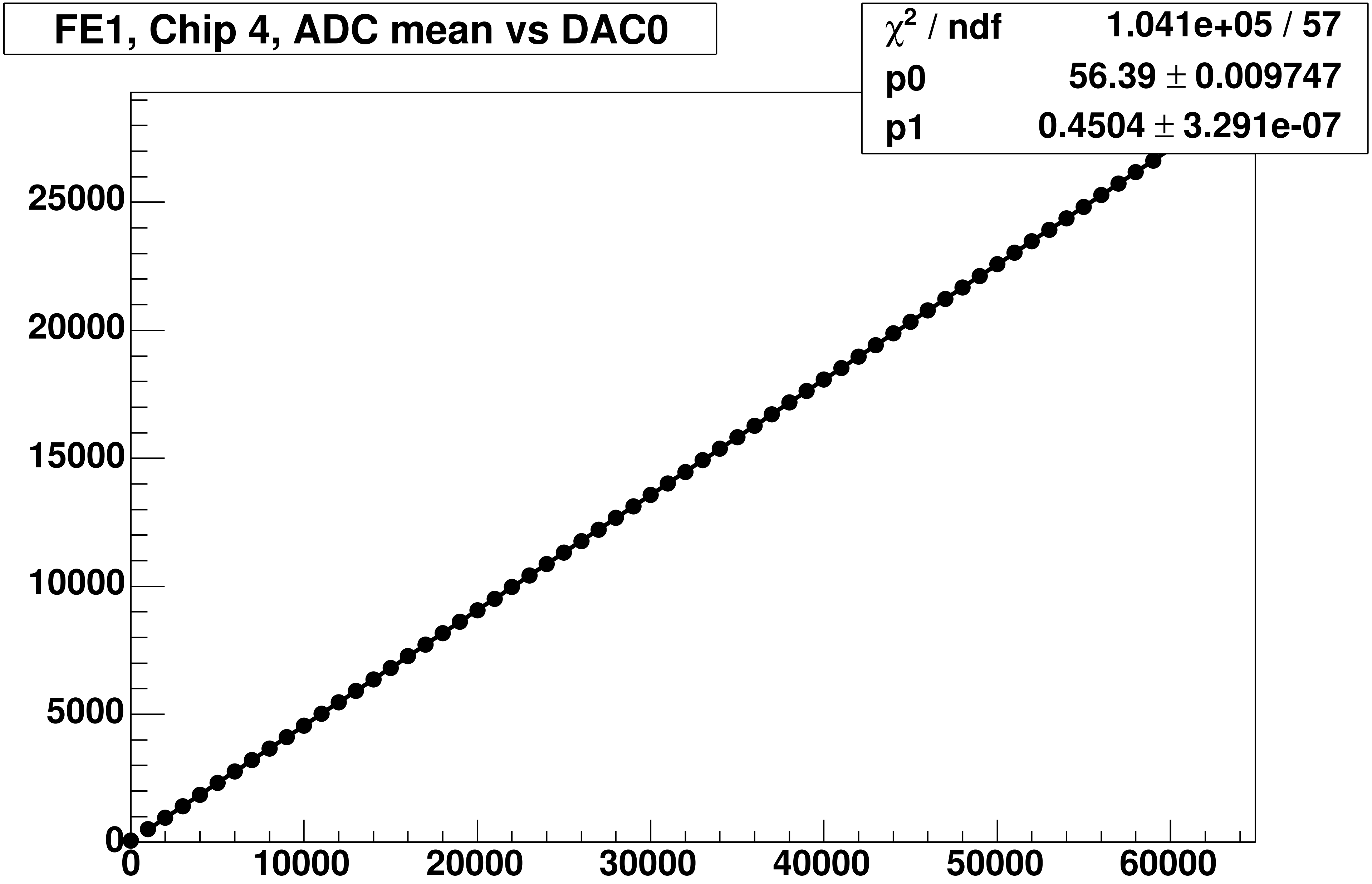

FE1, Chip 3, ADC residuals vs DAC0
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000

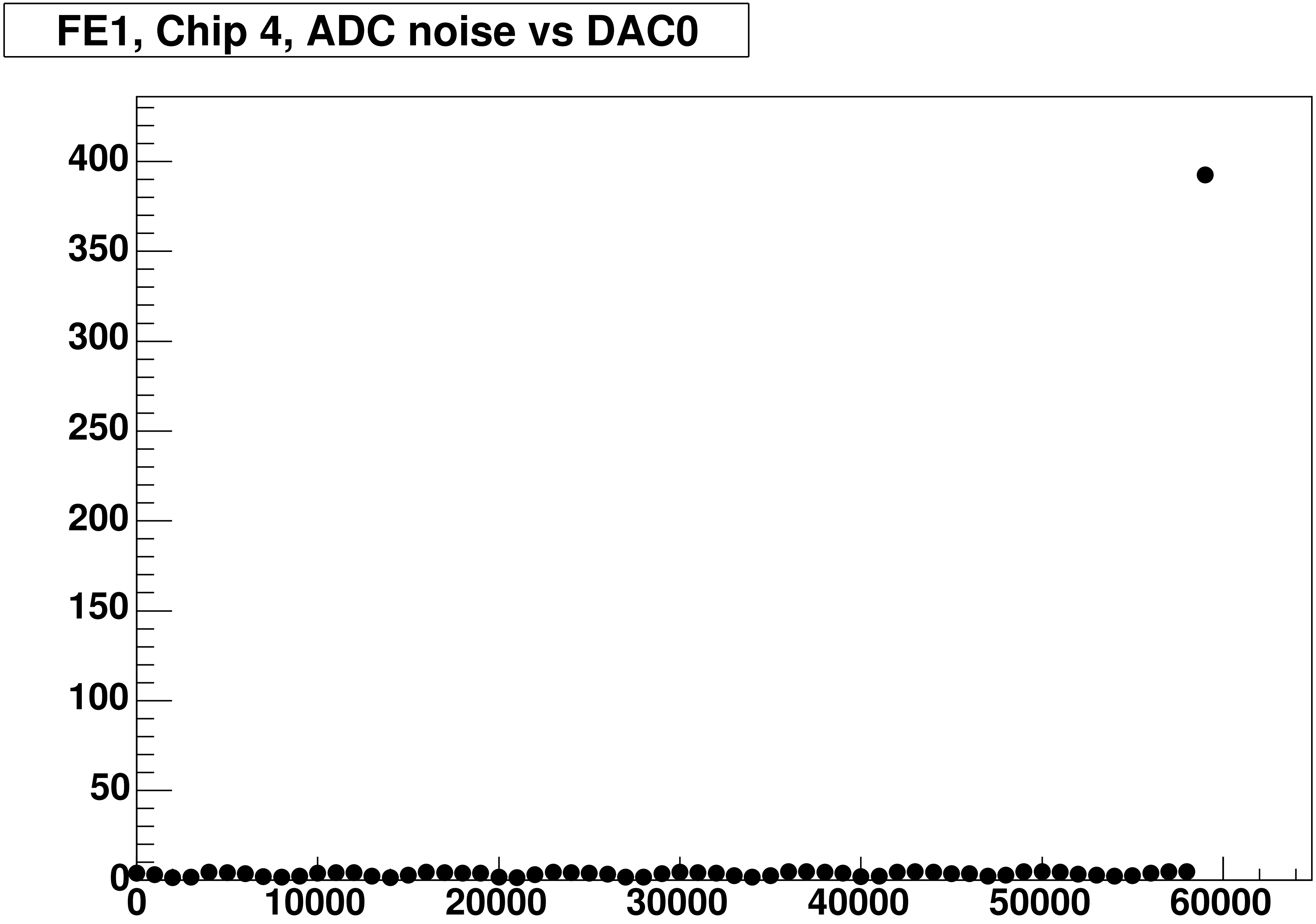

FE1, Chip 3, ADC mean vs DAC1
χ^2 / ndf 535.4 / 57
p0 67.76 ± 0.00576
p1 1.219e-06 ± 1.667e-07
67.95
67.9
67.85
67.8
67.75
67.7
67.65
0
10000
20000
30000
40000
50000
60000

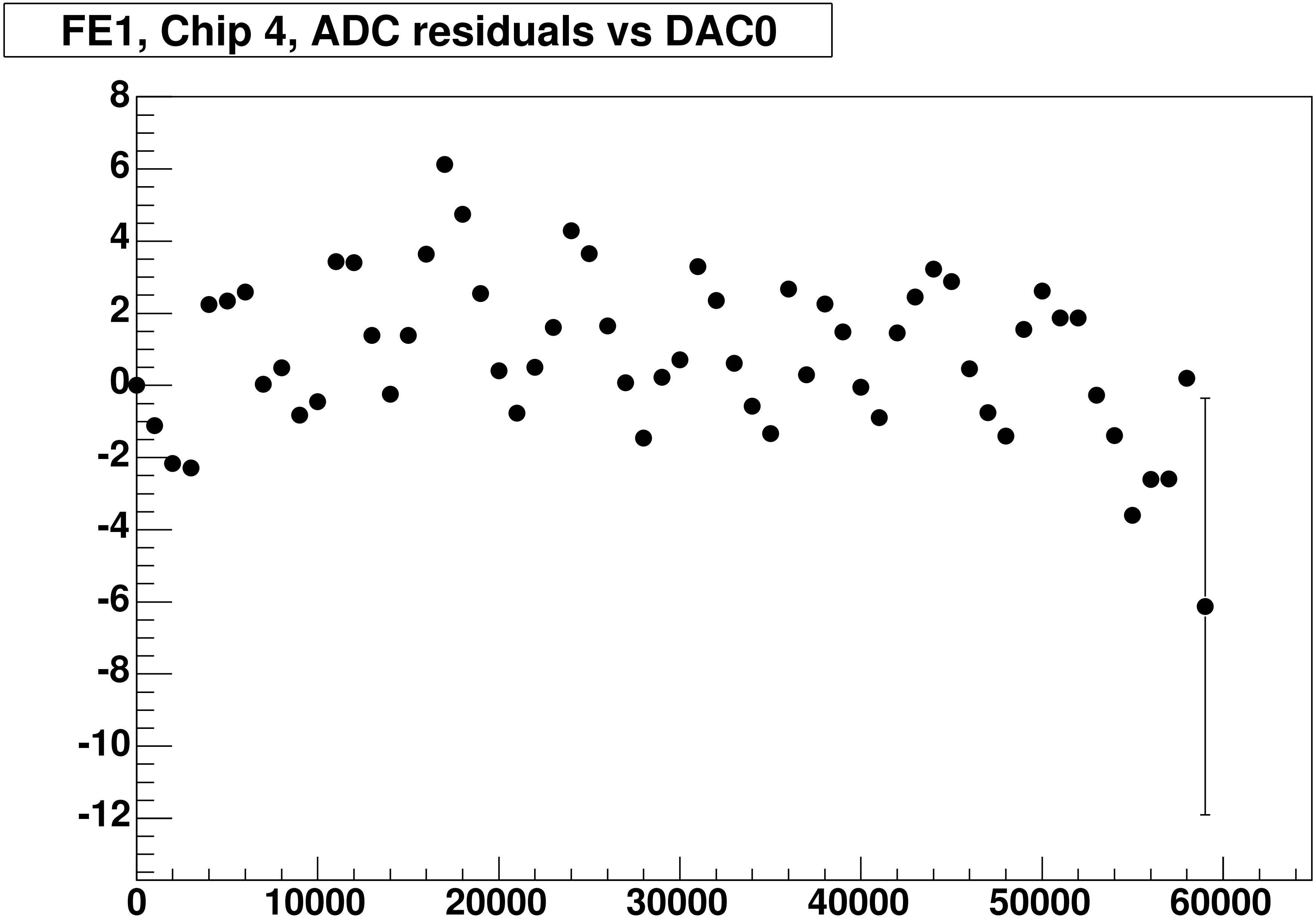

FE1, Chip 3, ADC noise vs DAC1
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

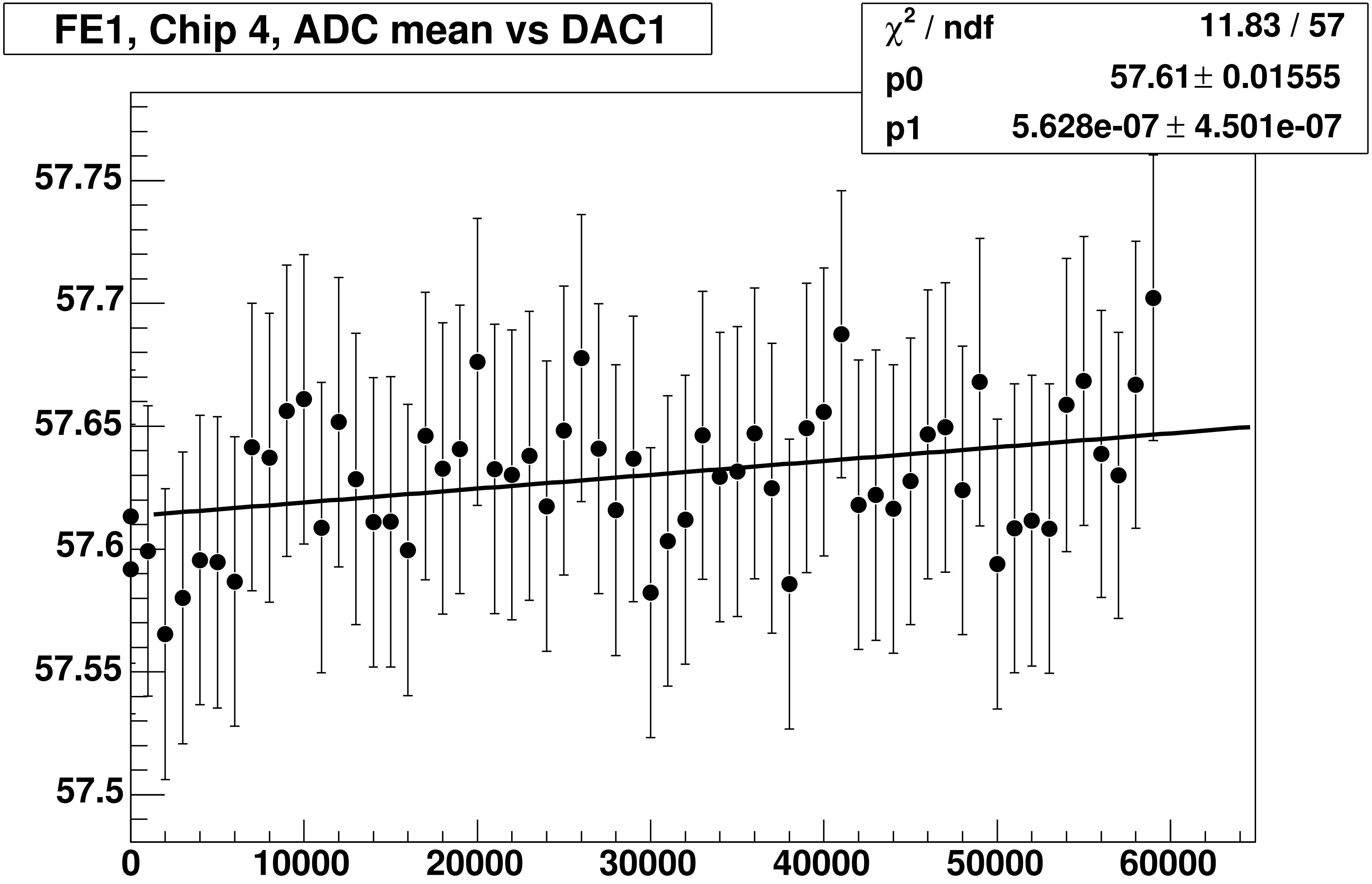


FE1, Chip 3, ADC residuals vs DAC1
0.2
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000

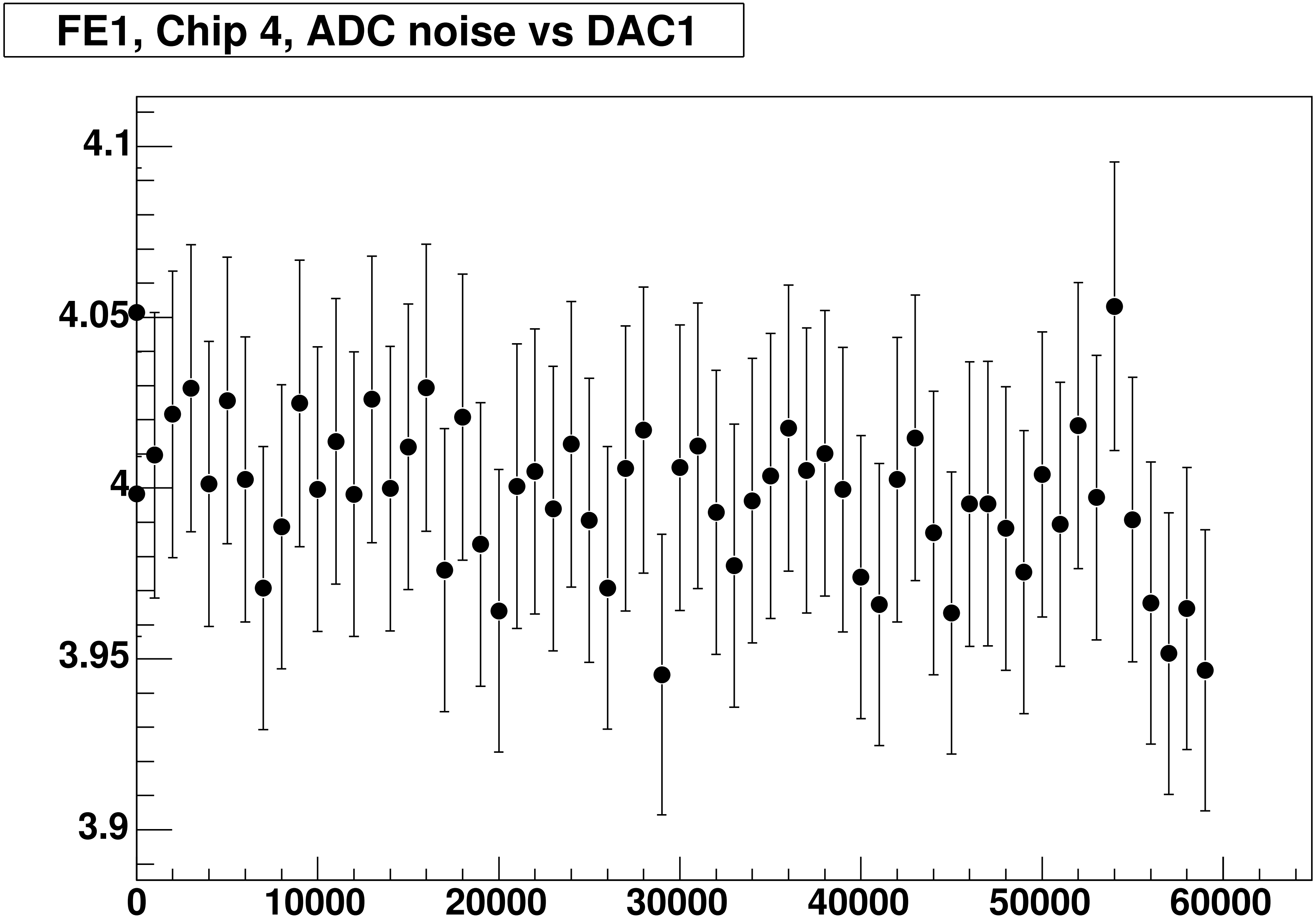

FE1, Chip 4, ADC mean vs DAC0
χ^2 / ndf 1.041e+05 / 57
p0 56.39 ± 0.009747
p1 0.4504 ± 3.291e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

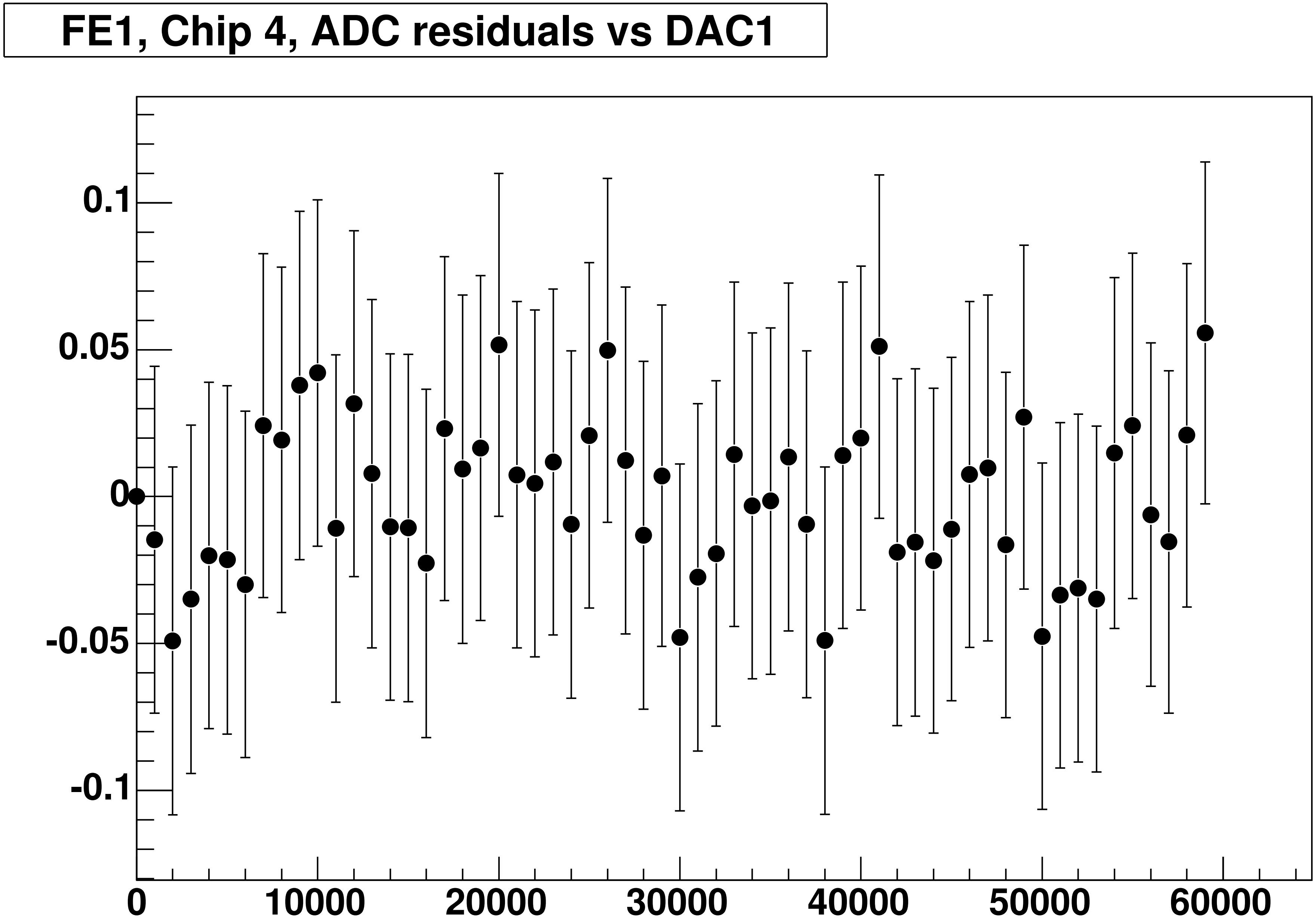

FE1, Chip 4, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

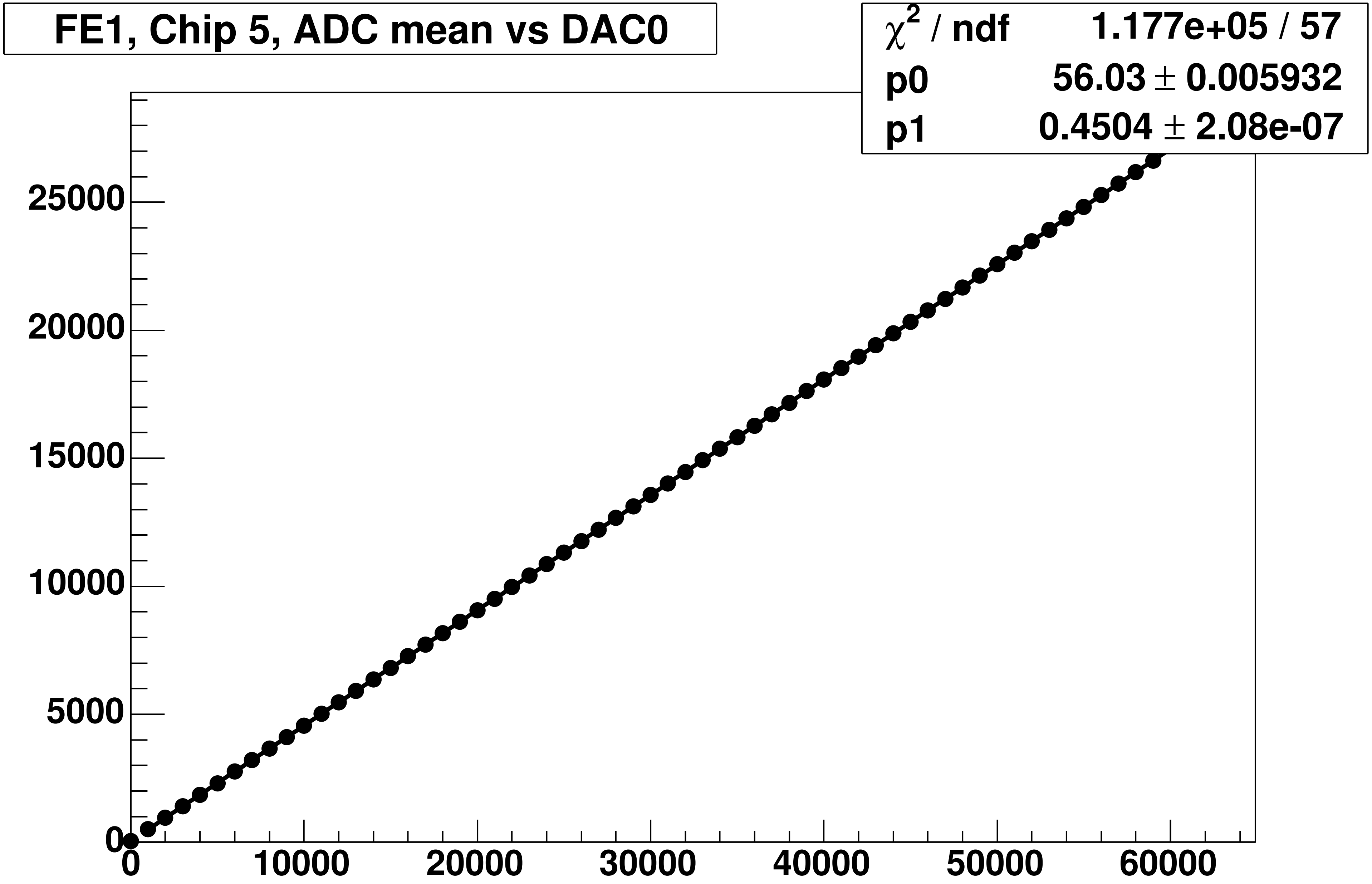

FE1, Chip 4, ADC residuals vs DAC0
8
6
4
2
0
-2
-4
-6
-8
-10
-12
0
10000
20000
30000
40000
50000
60000

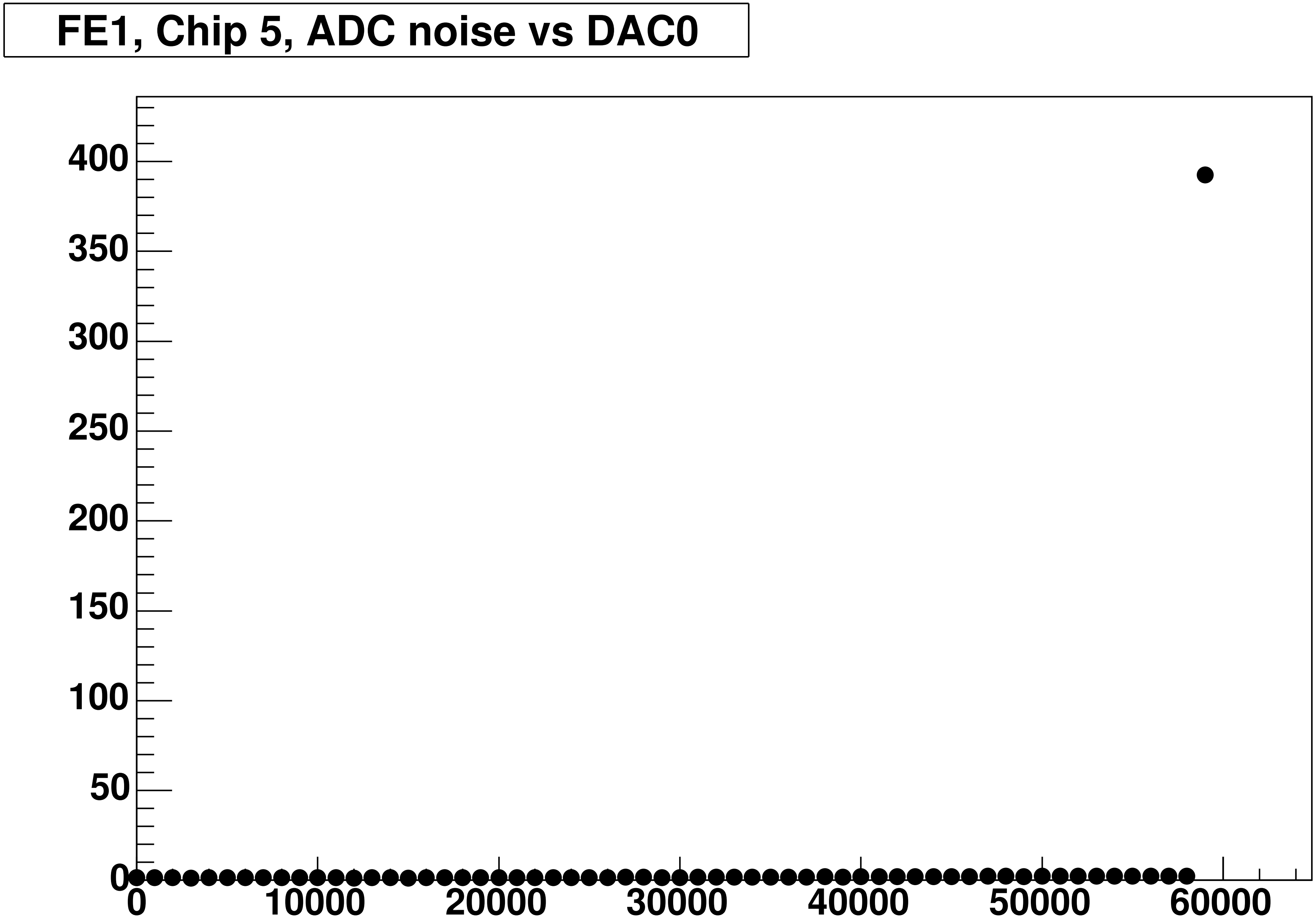


FE1, Chip 4, ADC mean vs DAC1
χ^2 / ndf 11.83 / 57
p0 57.61 ± 0.01555
p1 5.628e-07 ± 4.501e-07
57.75
57.7
57.65
57.6
57.55
57.5
0
10000
20000
30000
40000
50000
60000

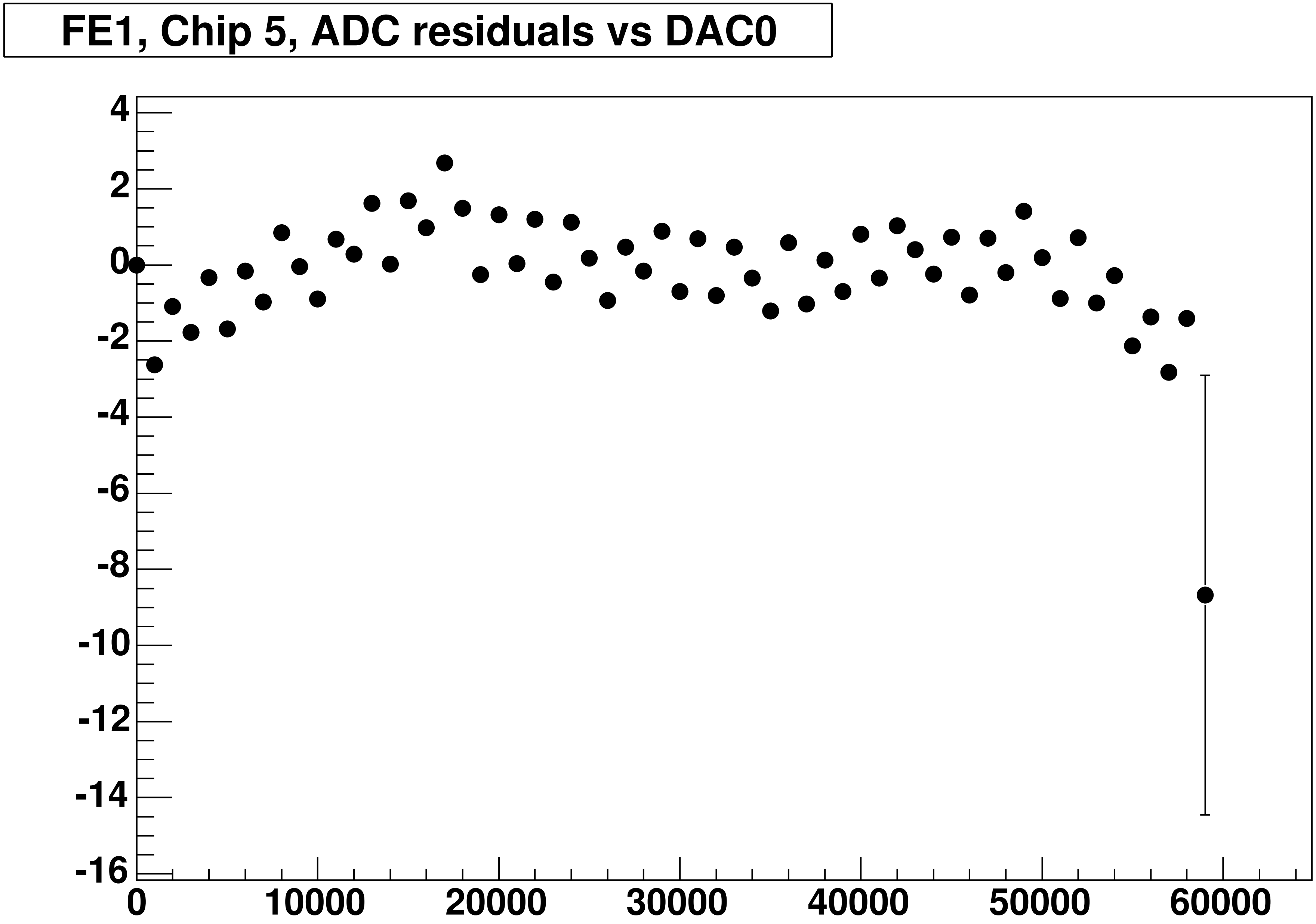

FE1, Chip 4, ADC noise vs DAC1
4.1
4.05
4
3.95
3.9
0
10000
20000
30000
40000
50000
60000

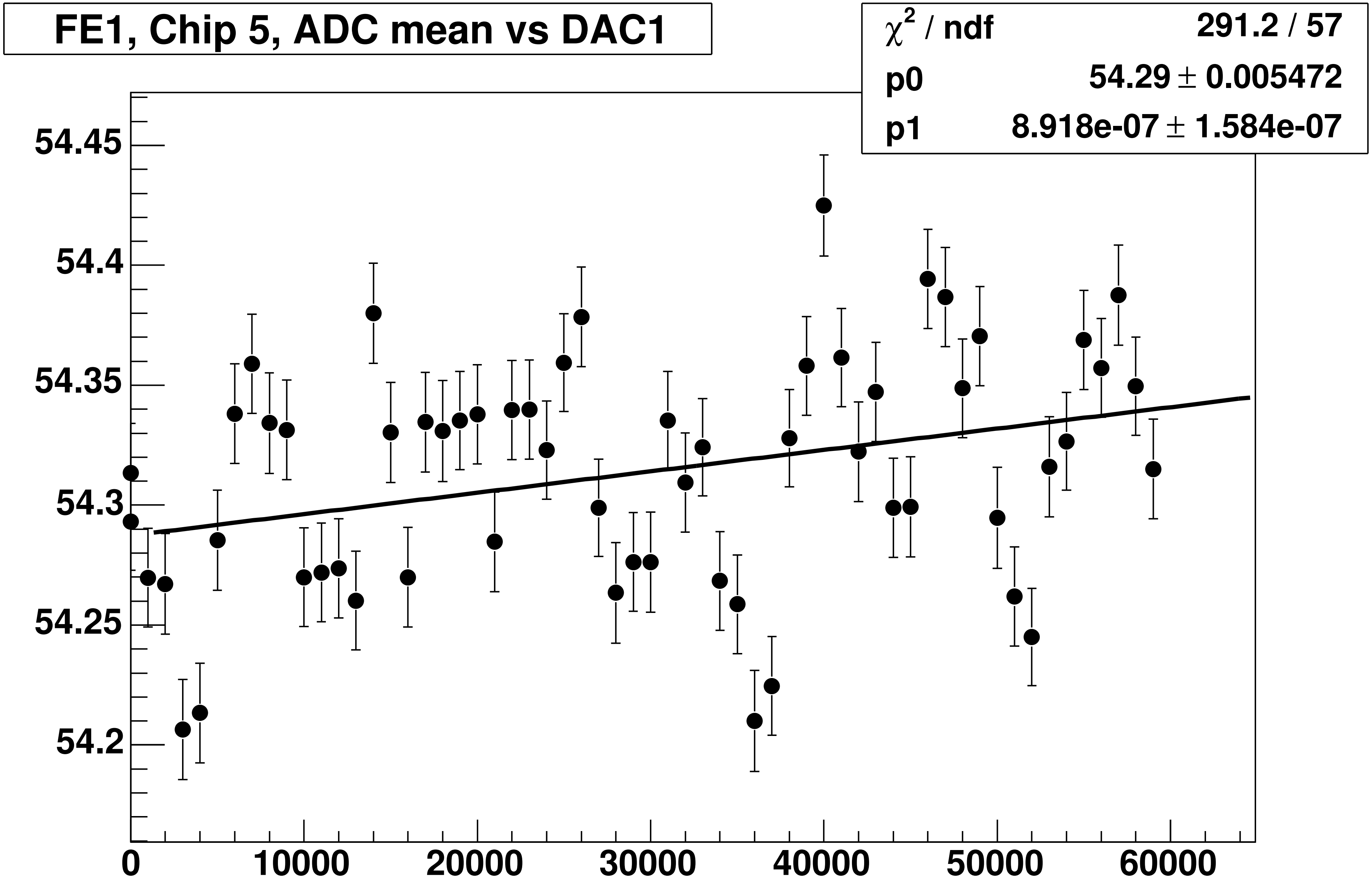

FE1, Chip 4, ADC residuals vs DAC1
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000


FE1, Chip 5, ADC mean vs DAC0
χ^2 / ndf 1.177e+05 / 57
p0 56.03 ± 0.005932
p1 0.4504 ± 2.08e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

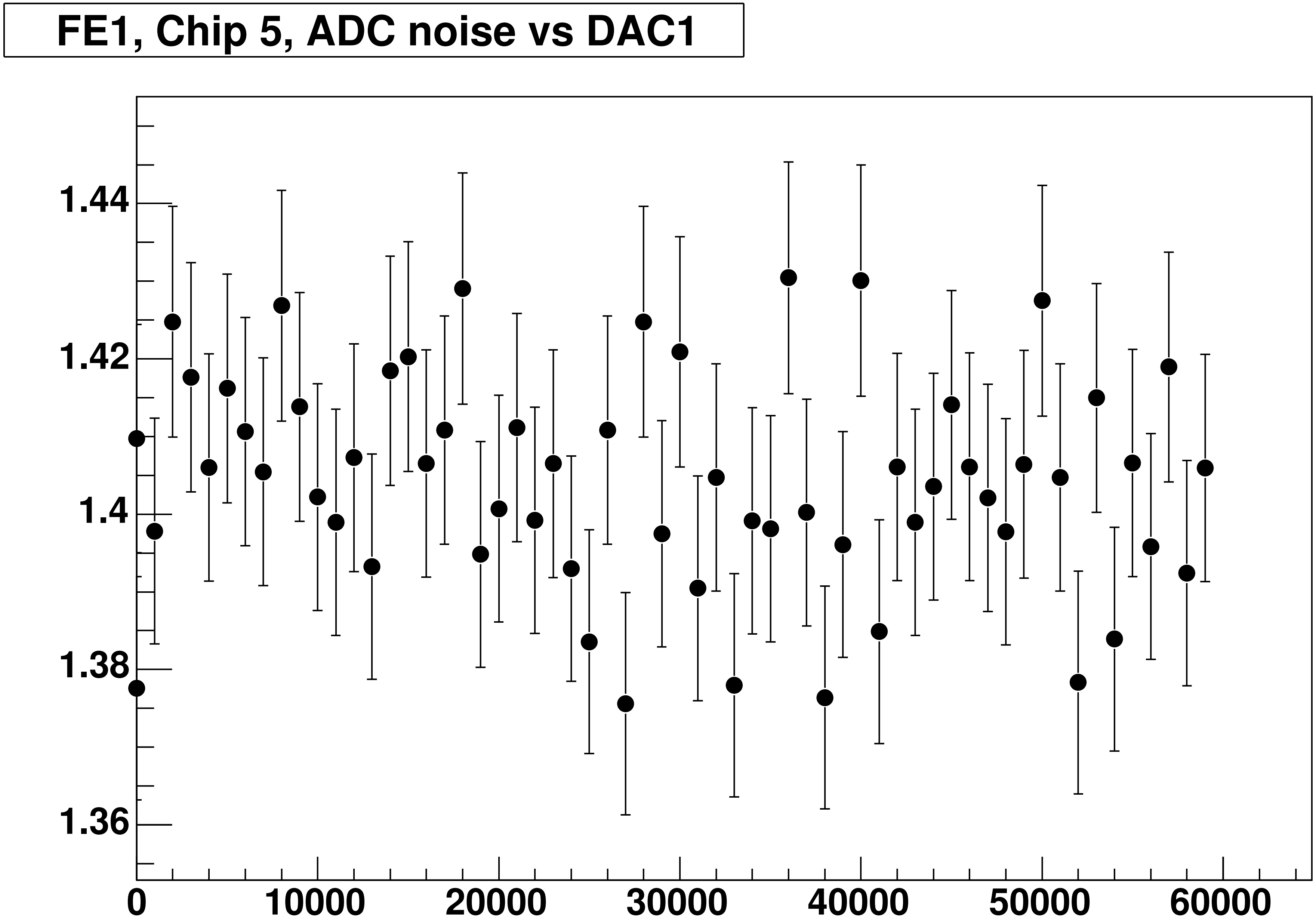


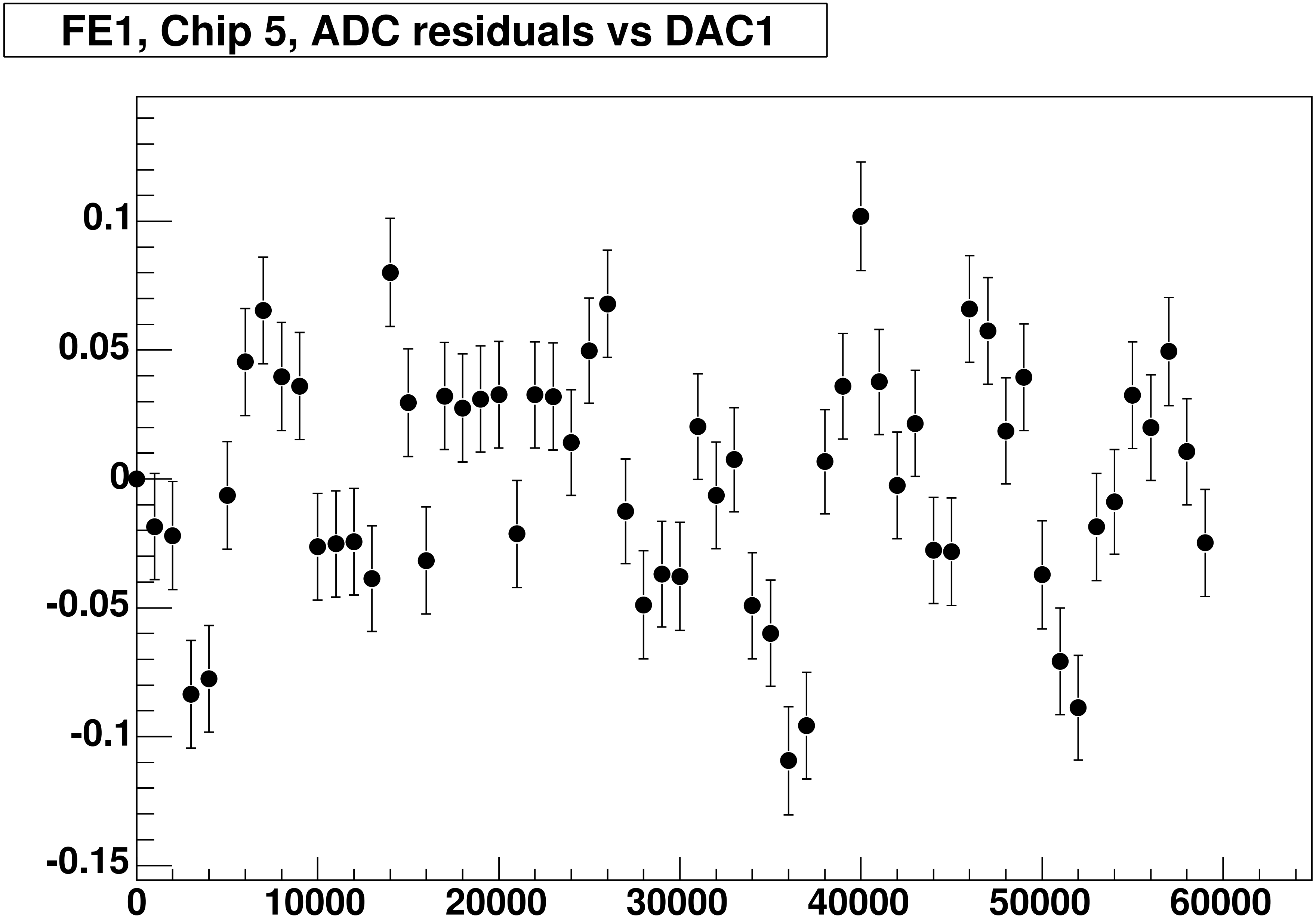
FE1, Chip 5, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000


FE1, Chip 5, ADC residuals vs DAC0
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000

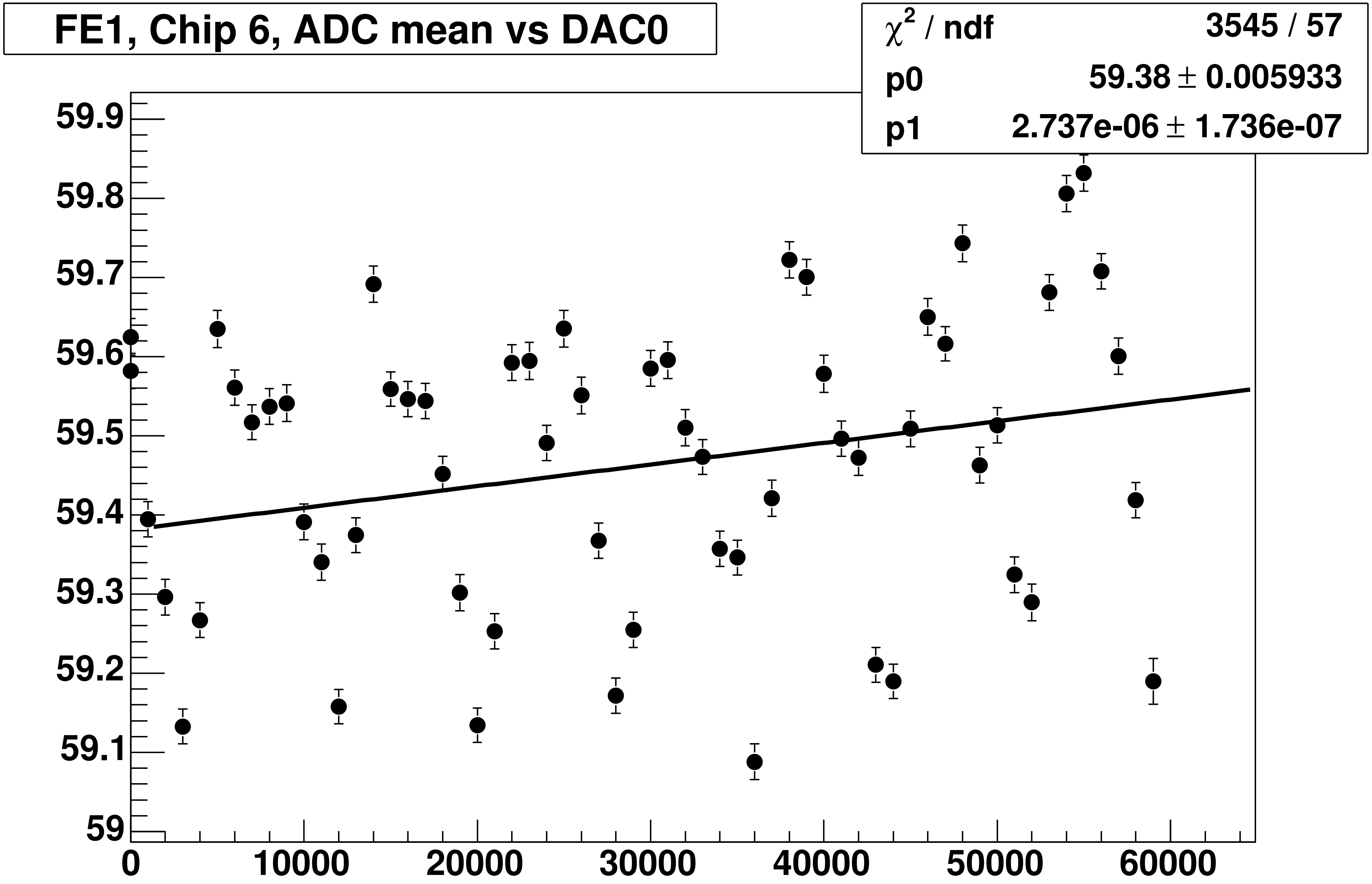


FE1, Chip 5, ADC mean vs DAC1
χ^2 / ndf 291.2 / 57
p0 54.29 ± 0.005472
p1 8.918e-07 ± 1.584e-07
54.45
54.4
54.35
54.3
54.25
54.2
0
10000
20000
30000
40000
50000
60000

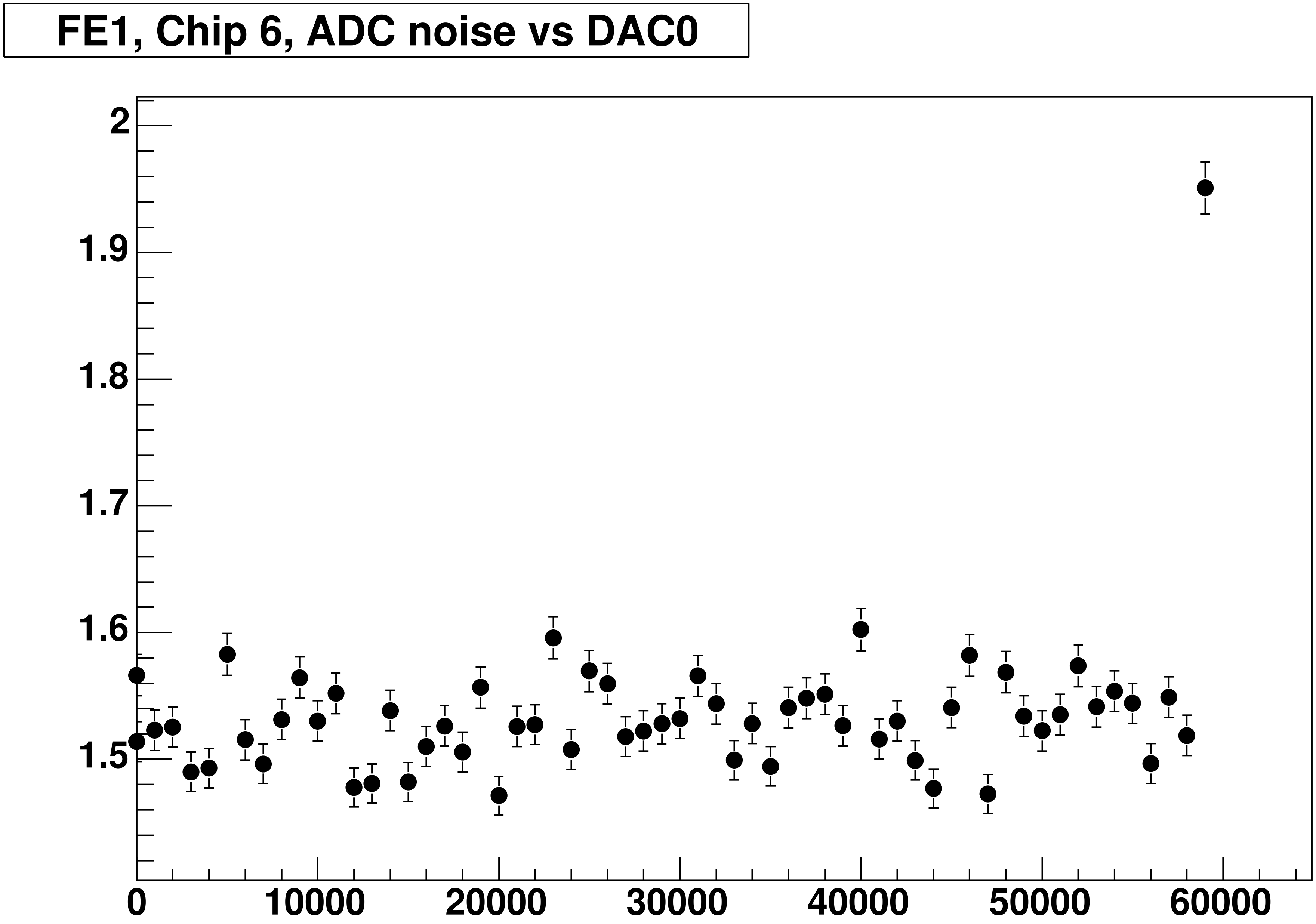

FE1, Chip 5, ADC noise vs DAC1
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000

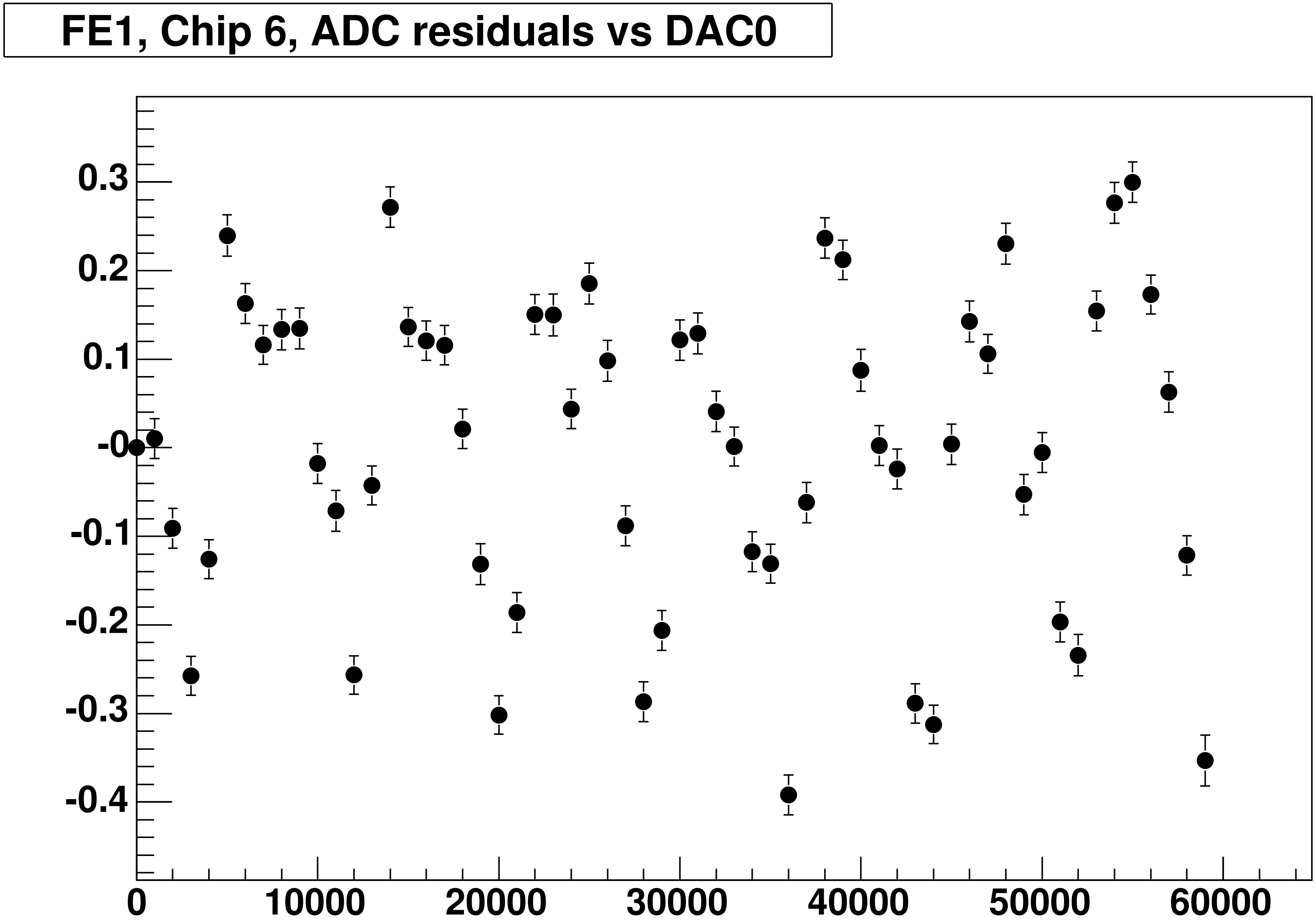


FE1, Chip 5, ADC residuals vs DAC1
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000

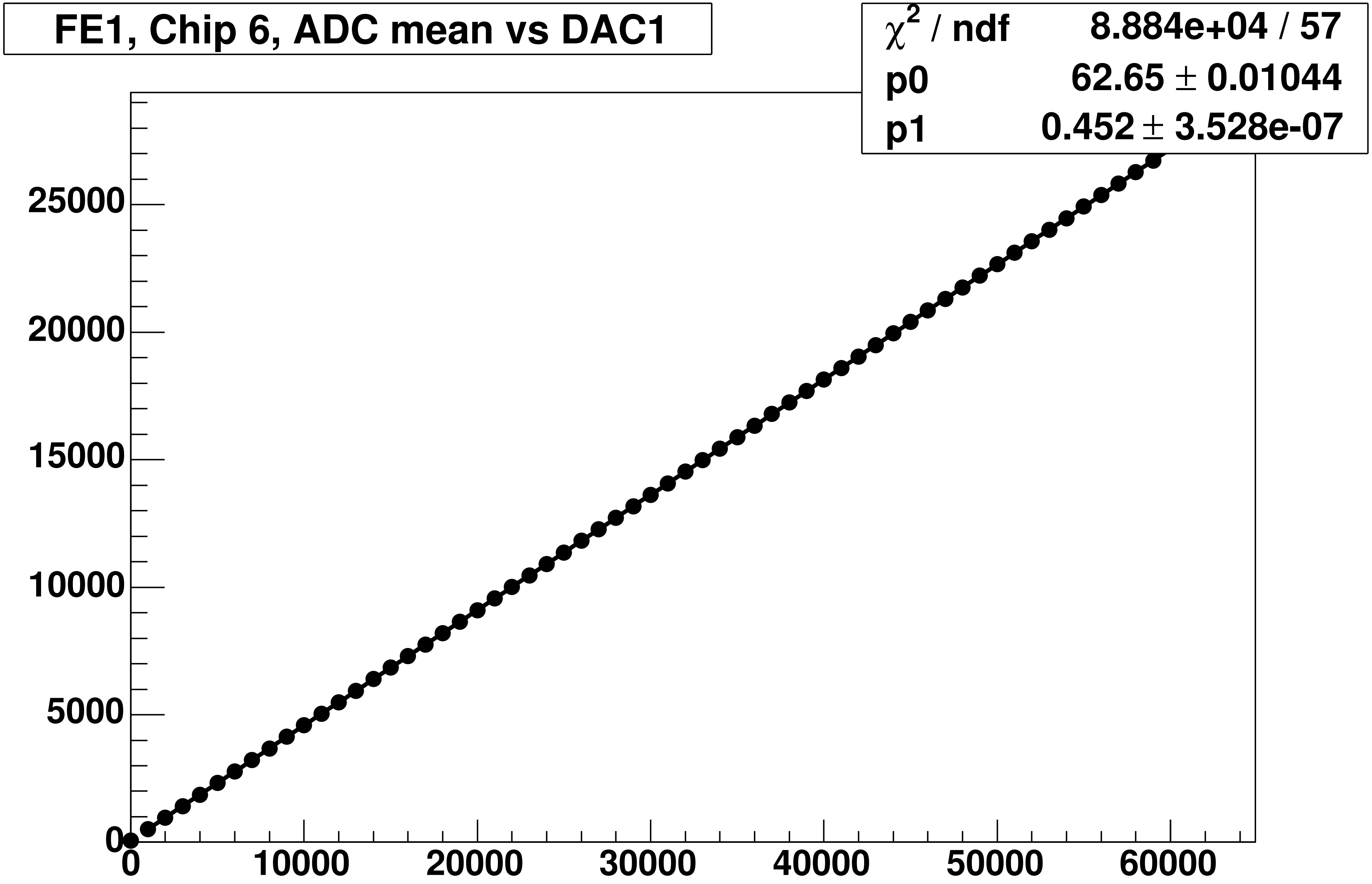


FE1, Chip 6, ADC mean vs DAC0
χ2 / ndf 3545 / 57
p0 59.38 ± 0.005933
p1 2.737e-06 ± 1.736e-07
59.9
59.8
59.7
59.6
59.5
59.4
59.3
59.2
59.1
59
0
10000
20000
30000
40000
50000
60000

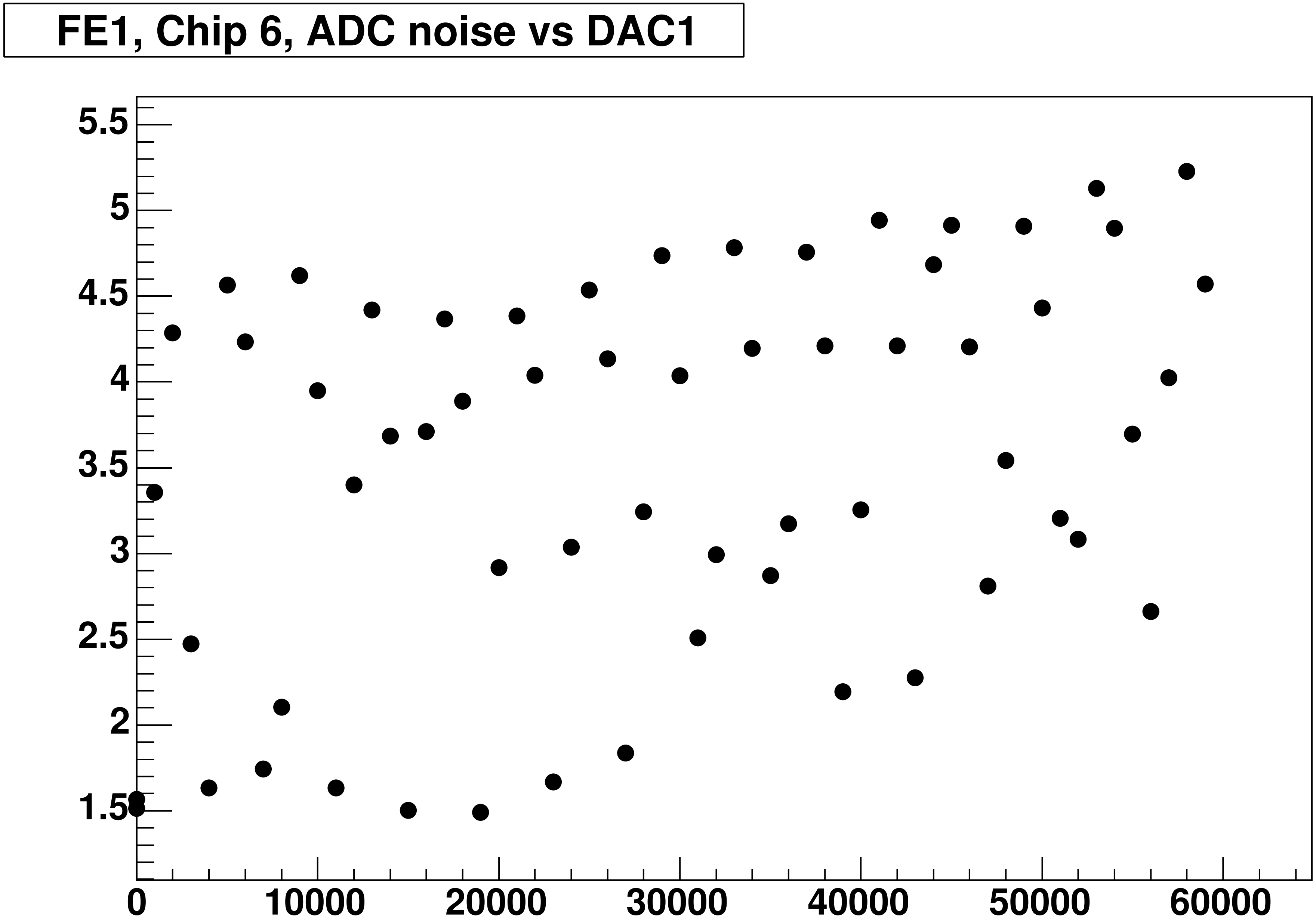

FE1, Chip 6, ADC noise vs DAC0
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000

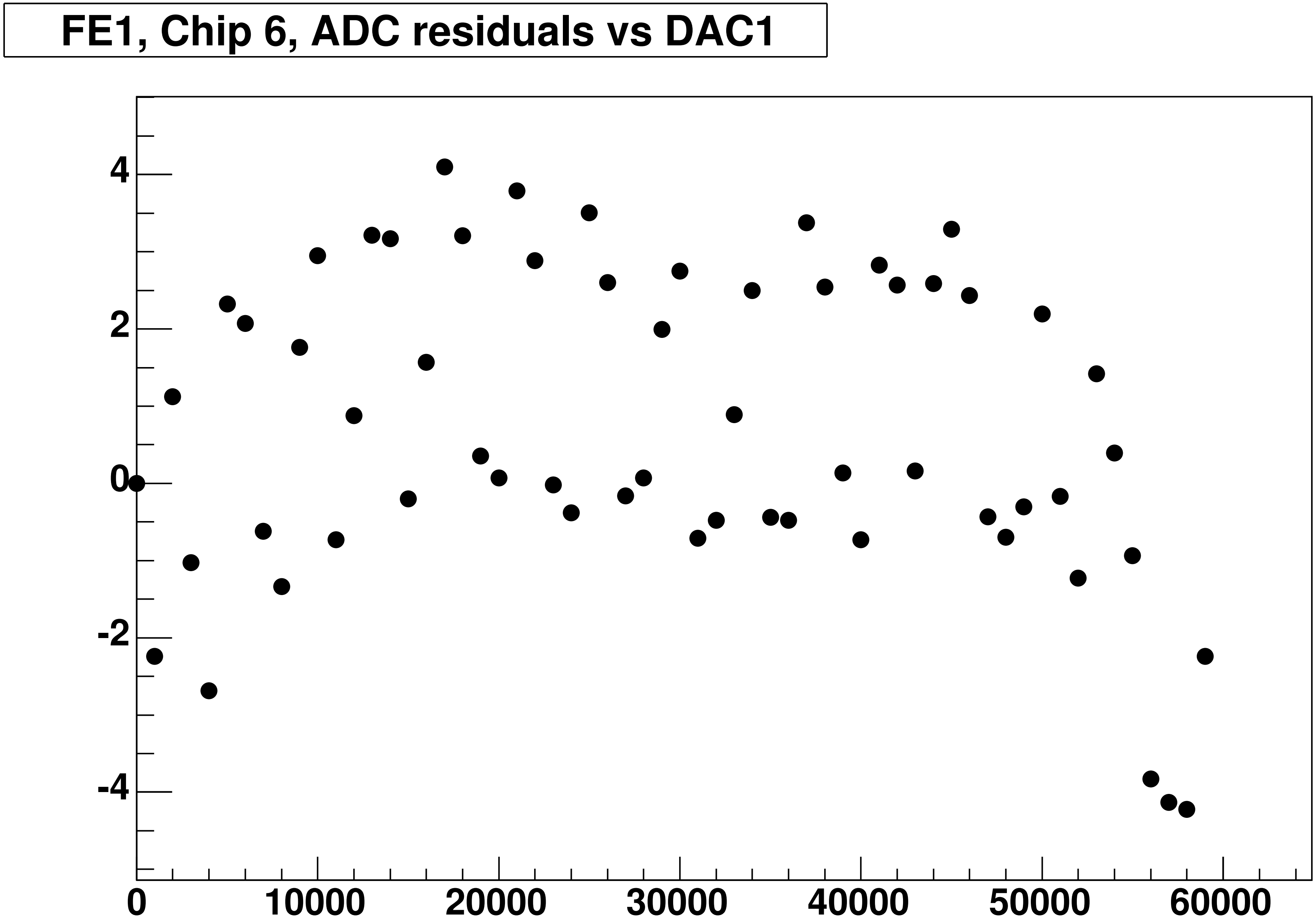


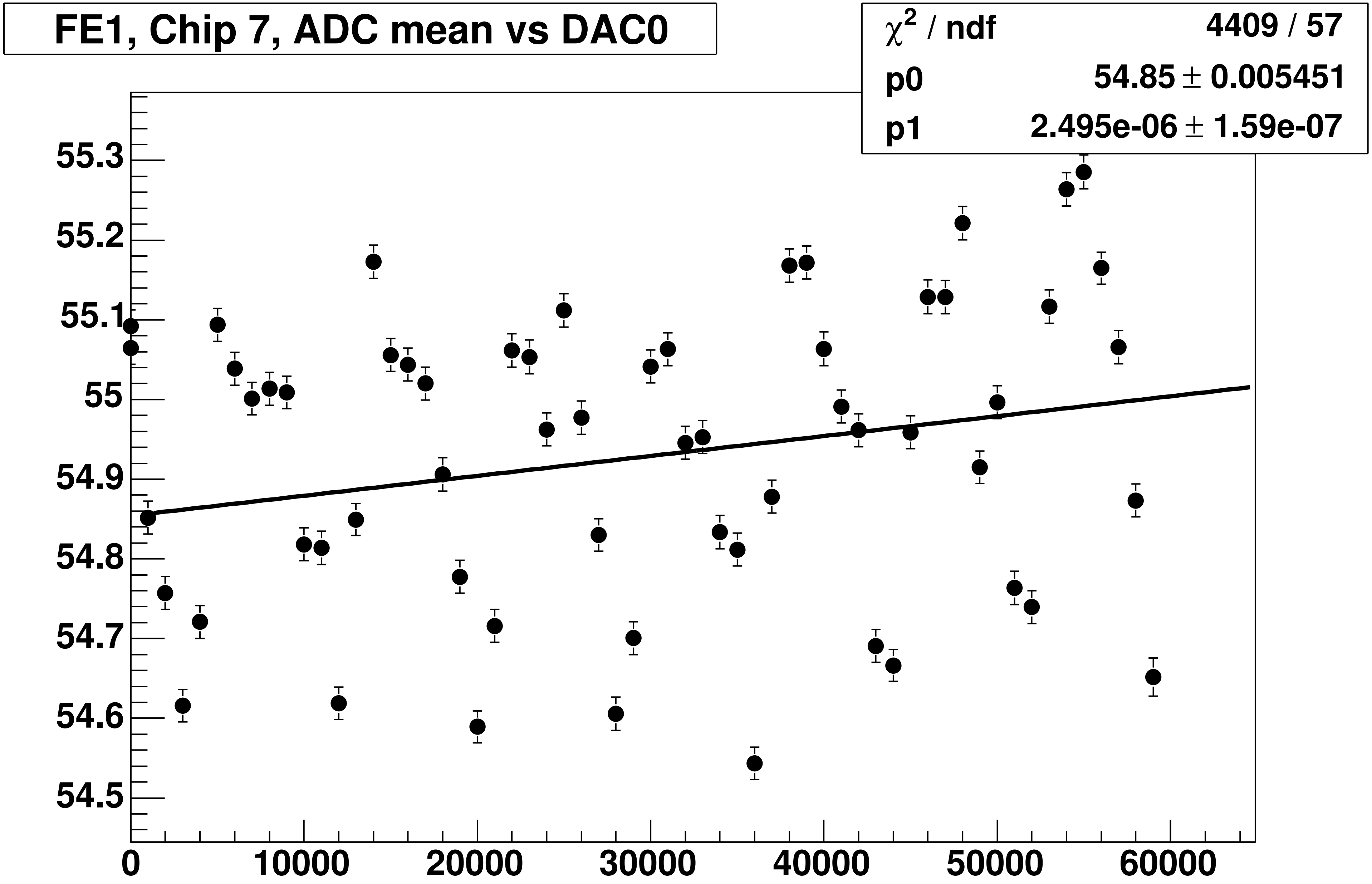
FE1, Chip 6, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

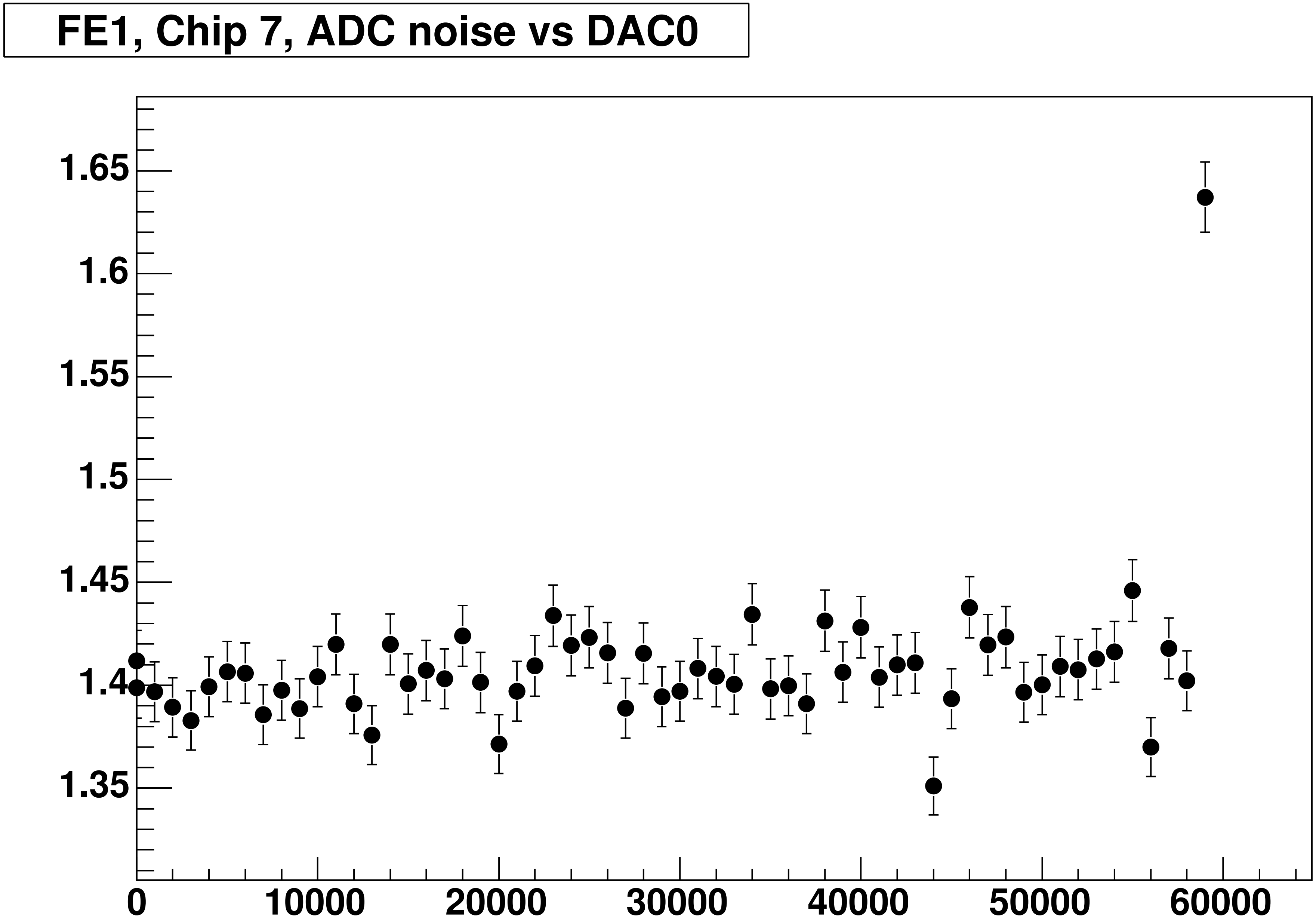


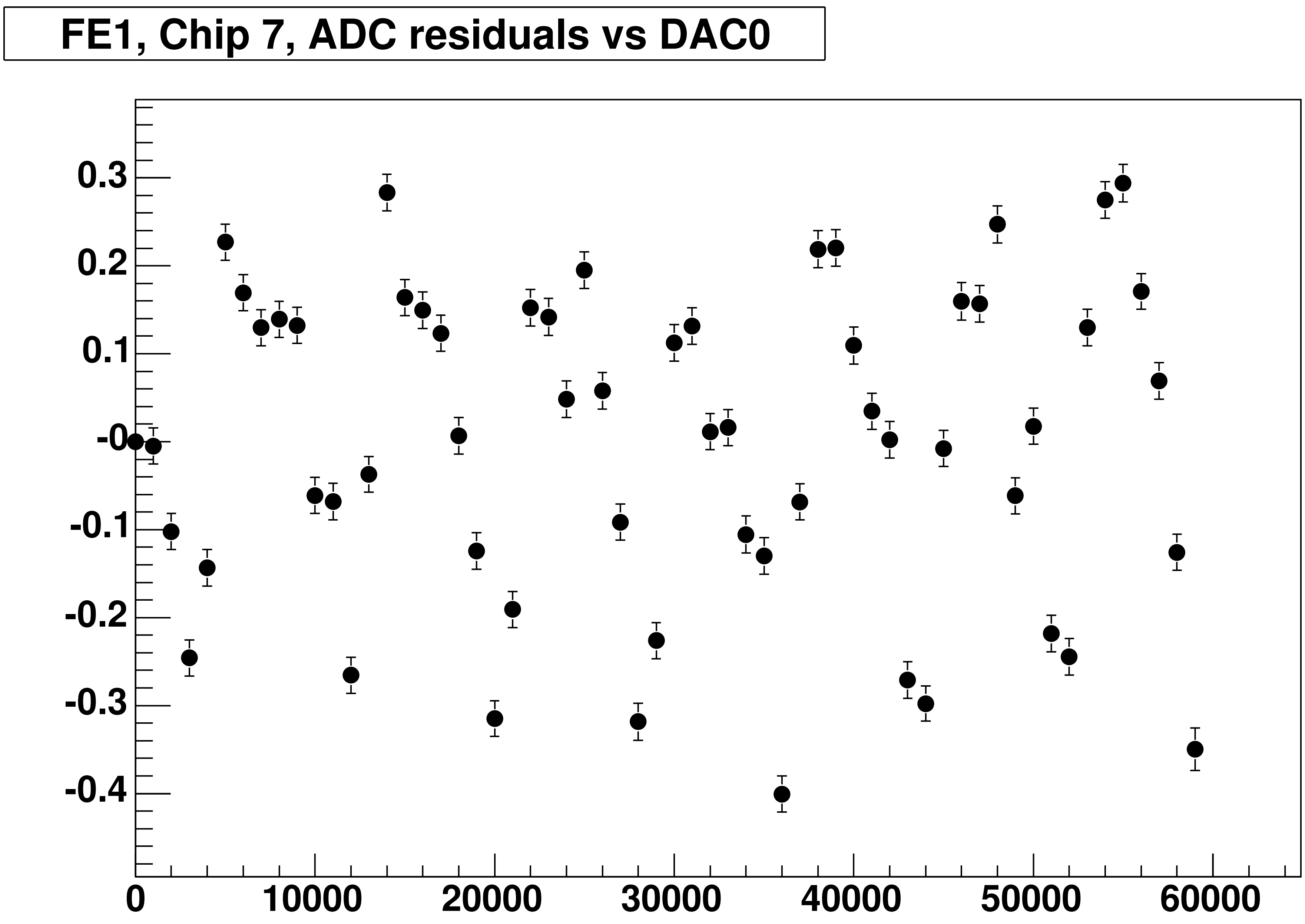
FE1, Chip 6, ADC mean vs DAC1
χ2 / ndf 8.884e+04 / 57
p0 62.65 ± 0.01044
p1 0.452 ± 3.528e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

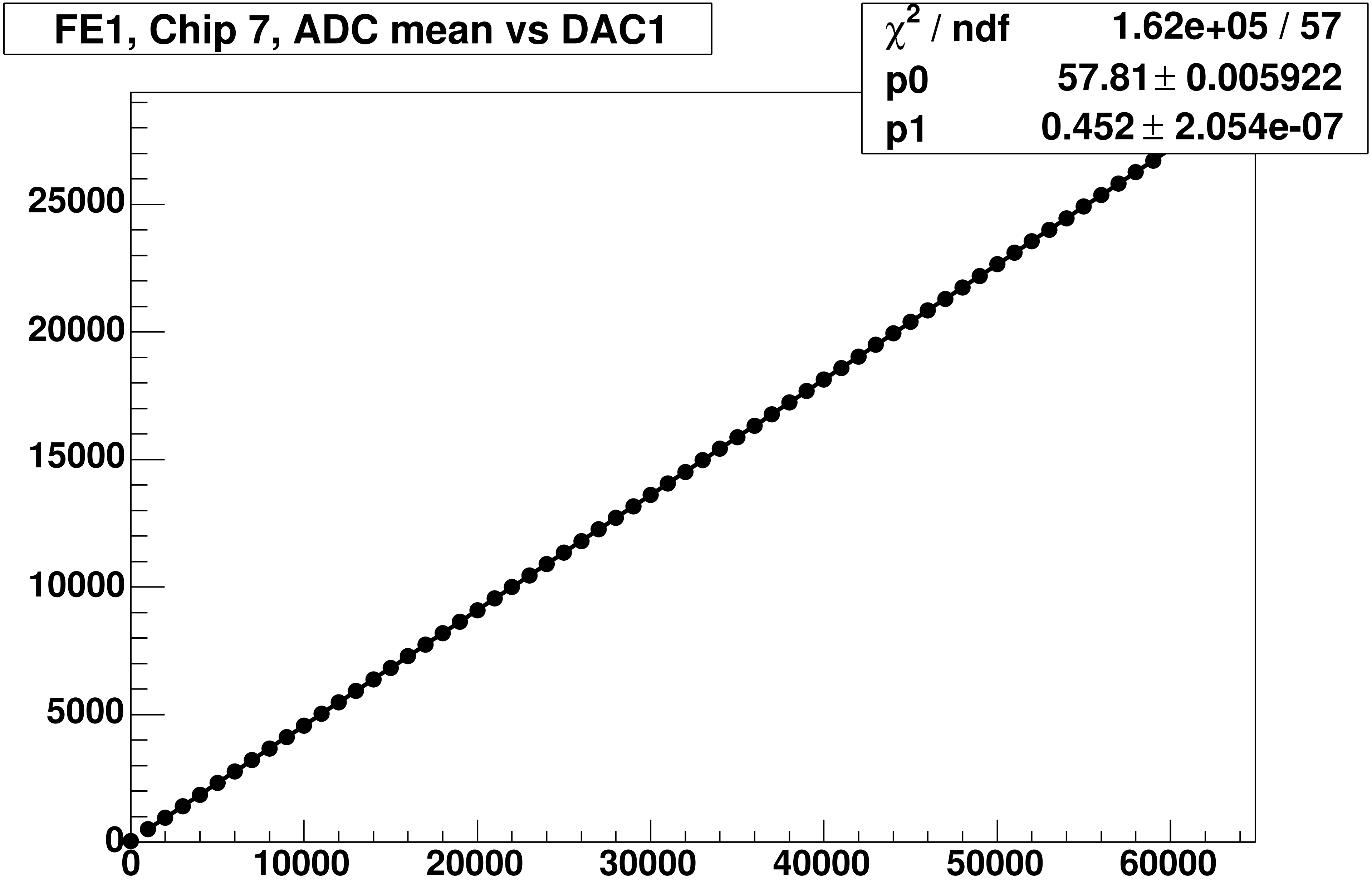

FE1, Chip 6, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

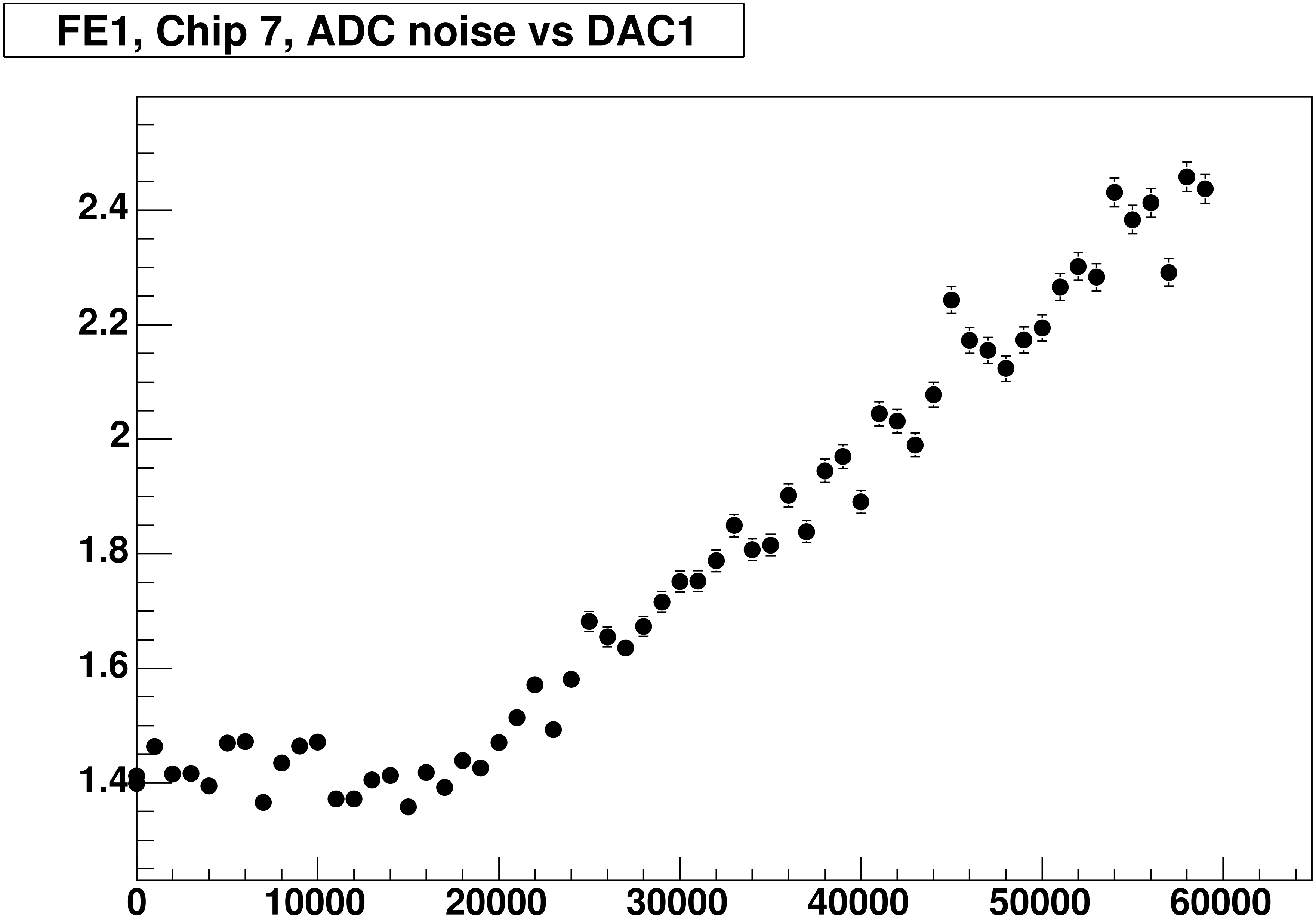

FE1, Chip 6, ADC residuals vs DAC1
4
2
0
-2
-4
0
10000
20000
30000
40000
50000
60000

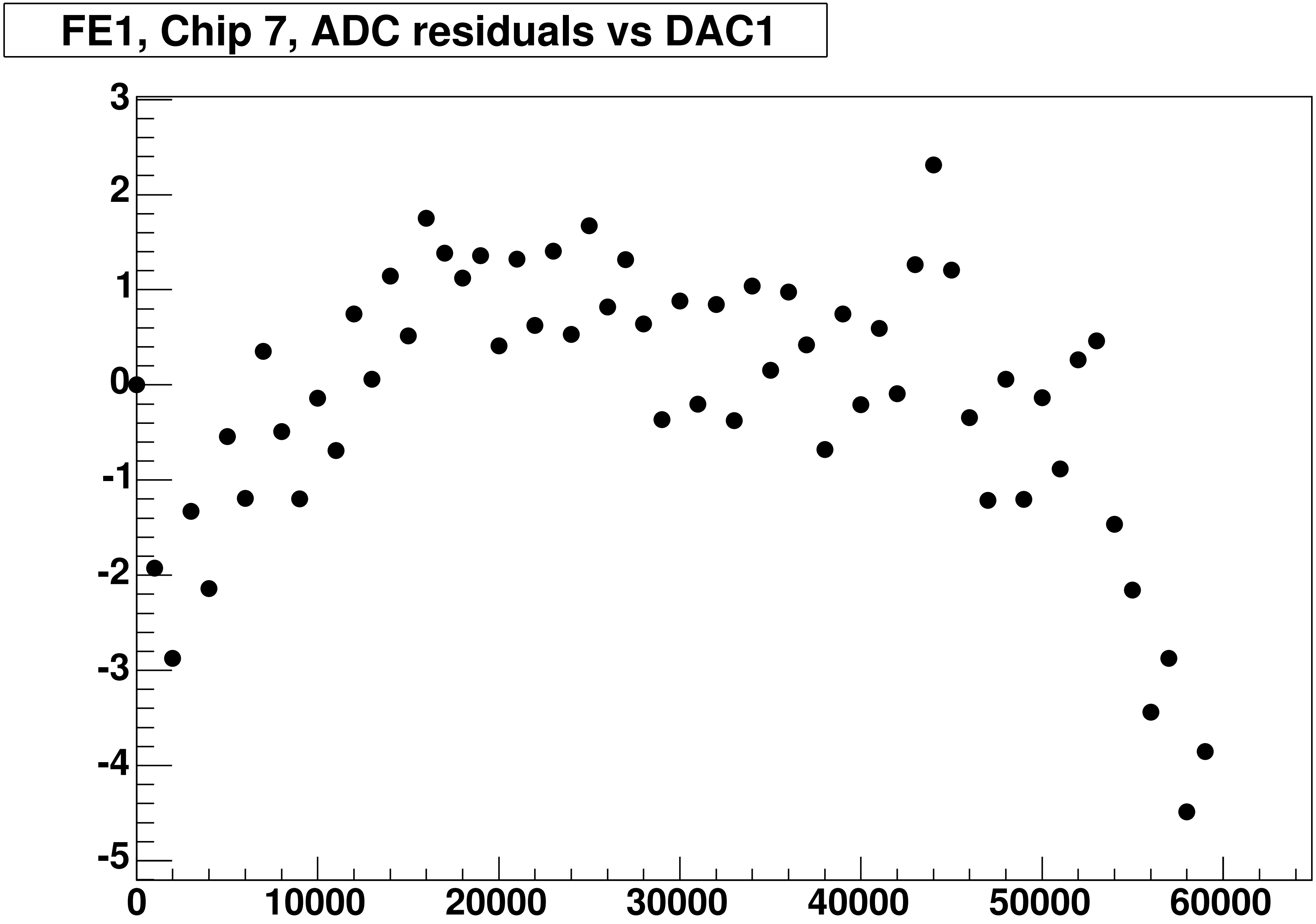

FE1, Chip 7, ADC mean vs DAC0
χ^2 / ndf 4409 / 57
p0 54.85 ± 0.005451
p1 2.495e-06 ± 1.59e-07
55.3
55.2
55.1
55
54.9
54.8
54.7
54.6
54.5
0
10000
20000
30000
40000
50000
60000

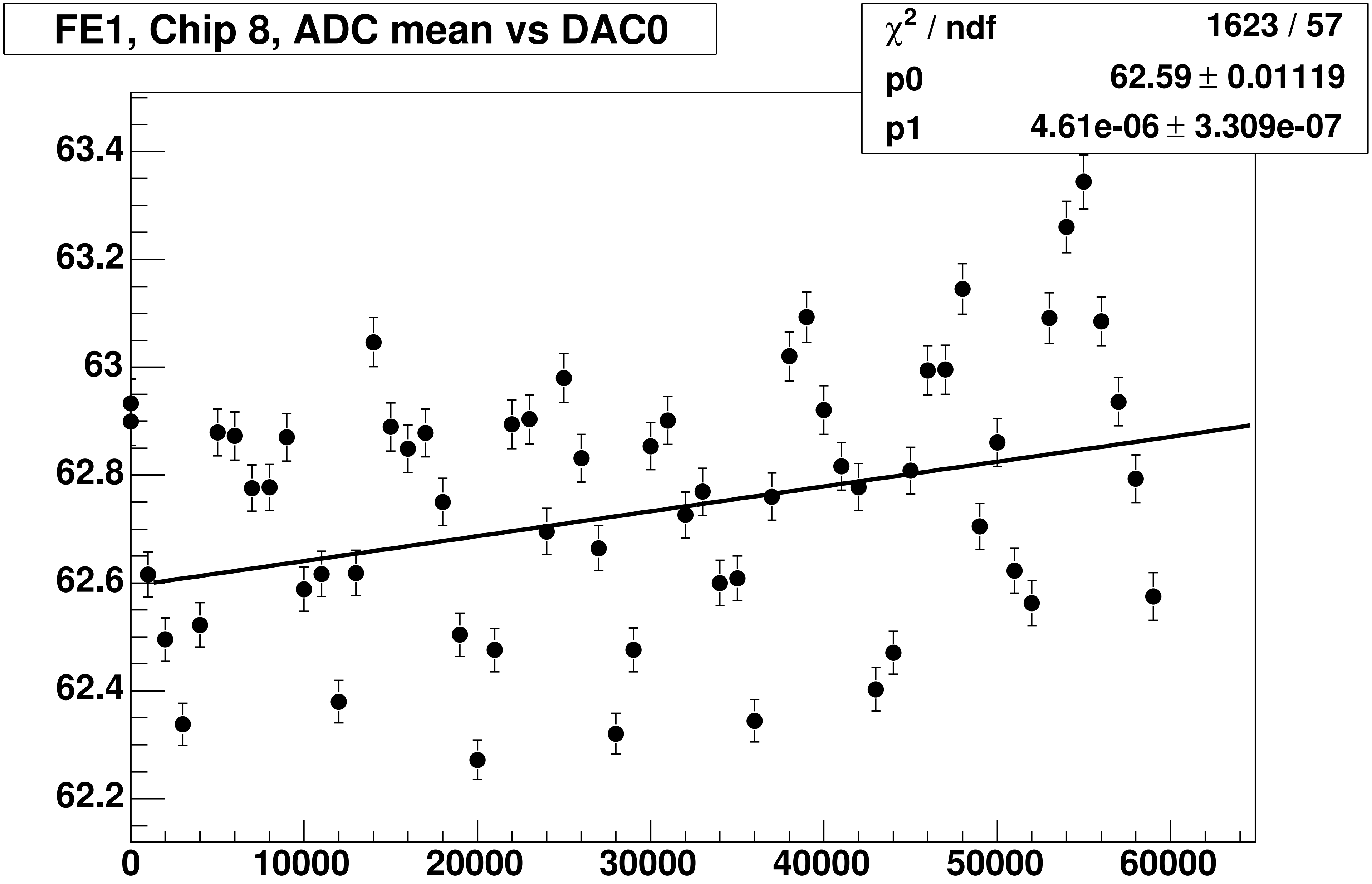

FE1, Chip 7, ADC noise vs DAC0
1.65
1.6
1.55
1.5
1.45
1.4
1.35
0
10000
20000
30000
40000
50000
60000


FE1, Chip 7, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

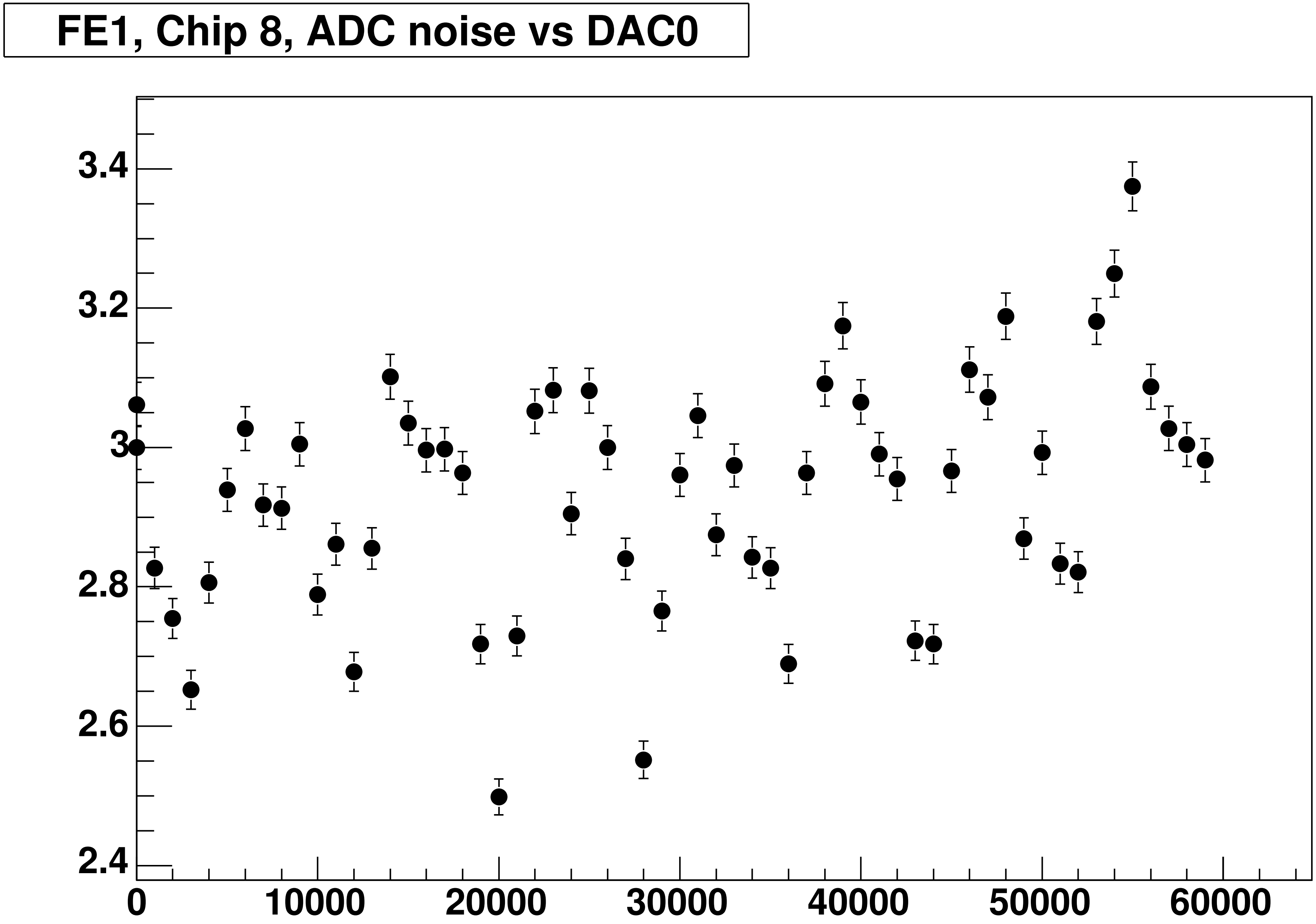

FE1, Chip 7, ADC mean vs DAC1
χ^2 / ndf 1.62e+05 / 57
p0 57.81 ± 0.005922
p1 0.452 ± 2.054e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 7, ADC noise vs DAC1
1.4
1.6
1.8
2
2.2
2.4
0
10000
20000
30000
40000
50000
60000

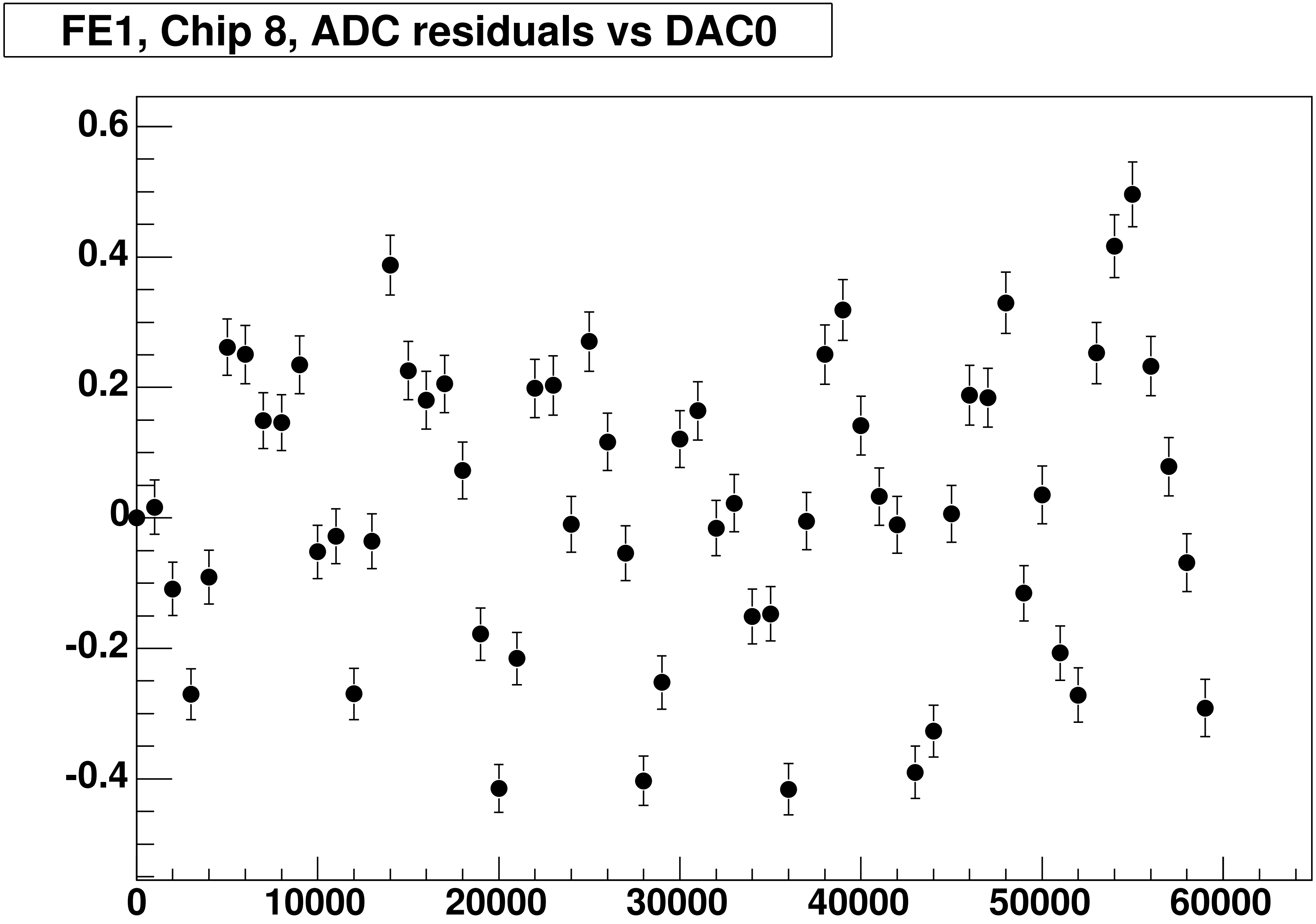

FE1, Chip 7, ADC residuals vs DAC1
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

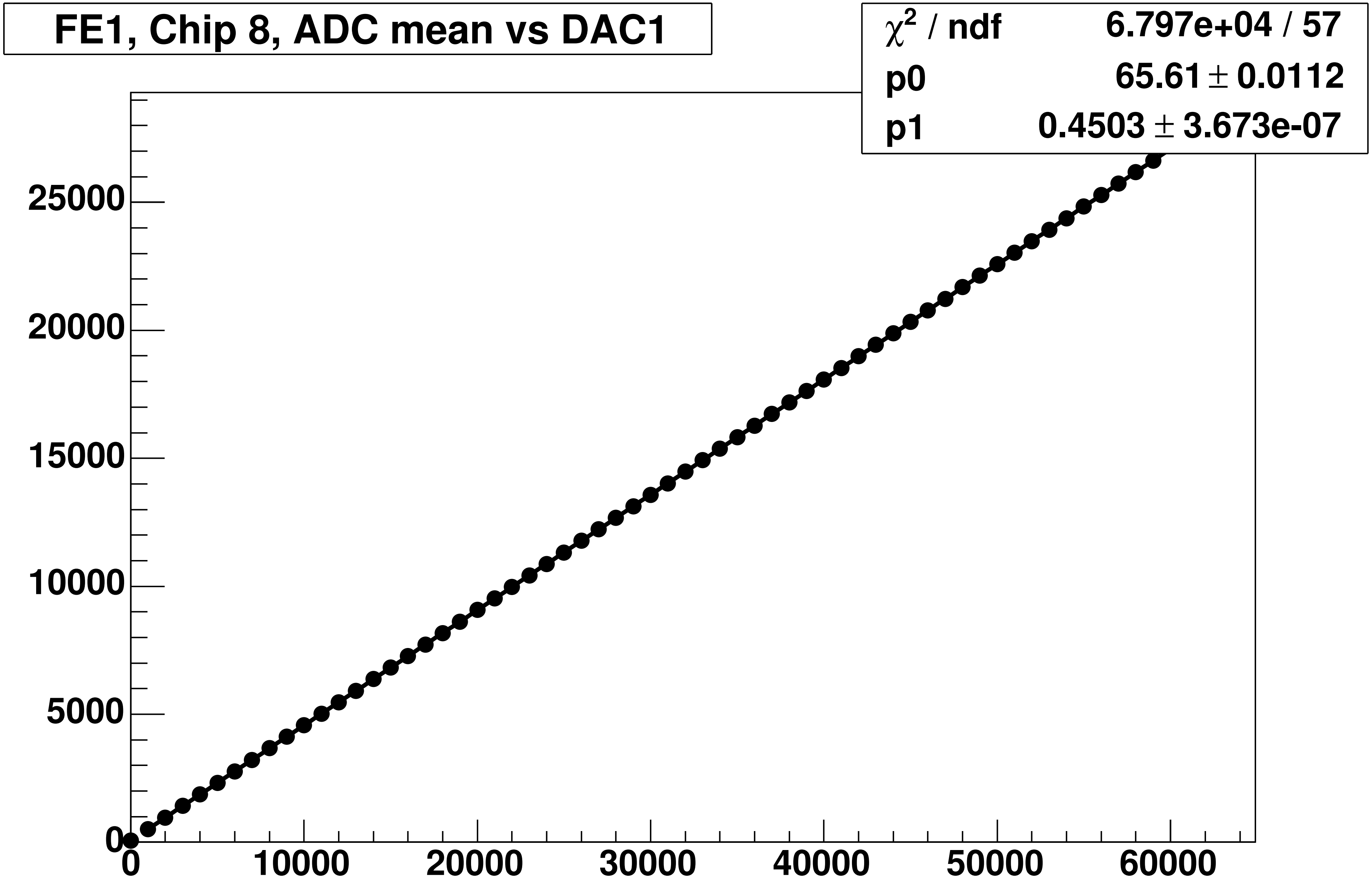


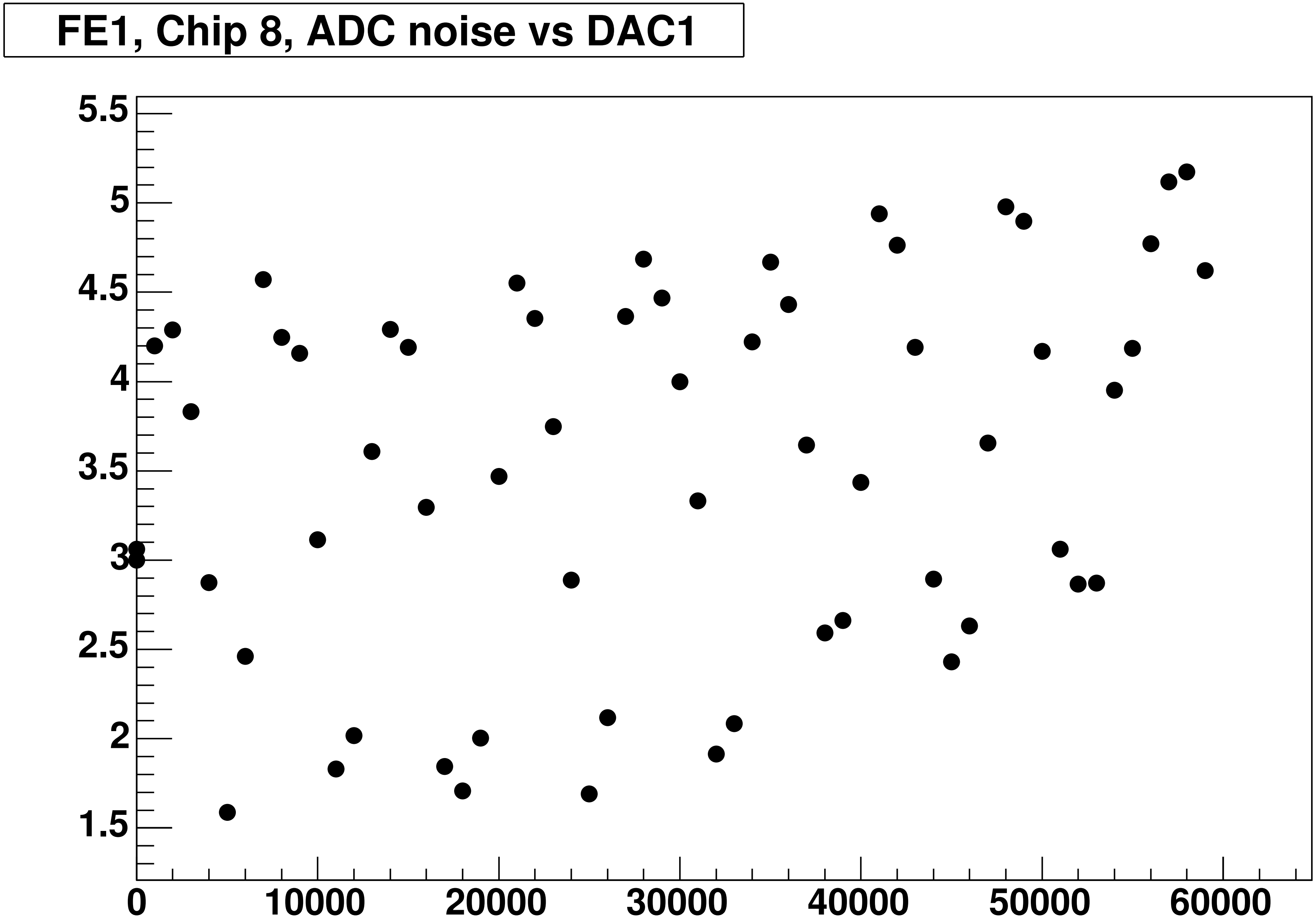
FE1, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1623 / 57
p0 62.59 ± 0.01119
p1 4.61e-06 ± 3.309e-07
63.4
63.2
63
62.8
62.6
62.4
62.2
0
10000
20000
30000
40000
50000
60000

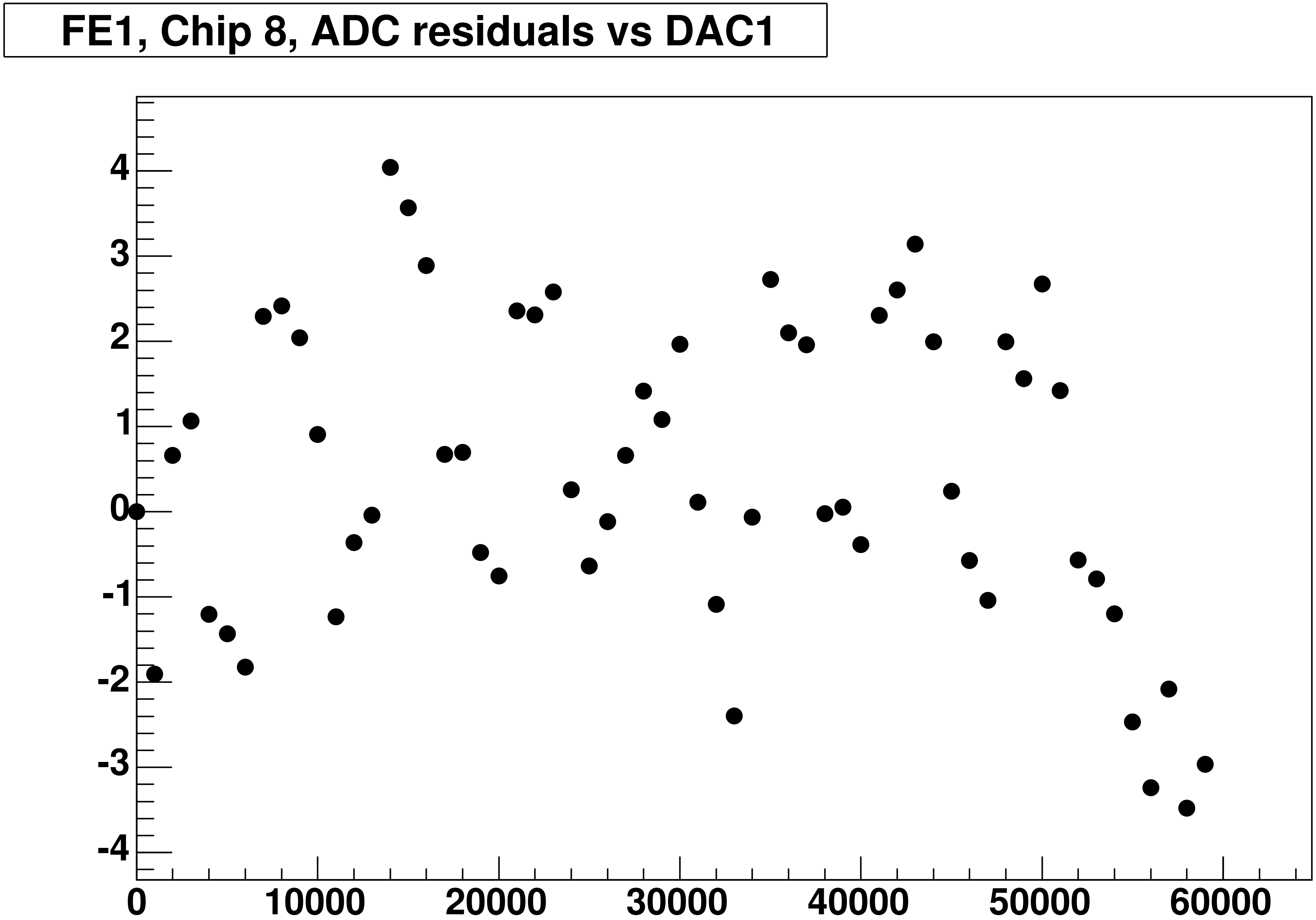


FE1, Chip 8, ADC noise vs DAC0
3.4
3.2
3
2.8
2.6
2.4
0
10000
20000
30000
40000
50000
60000

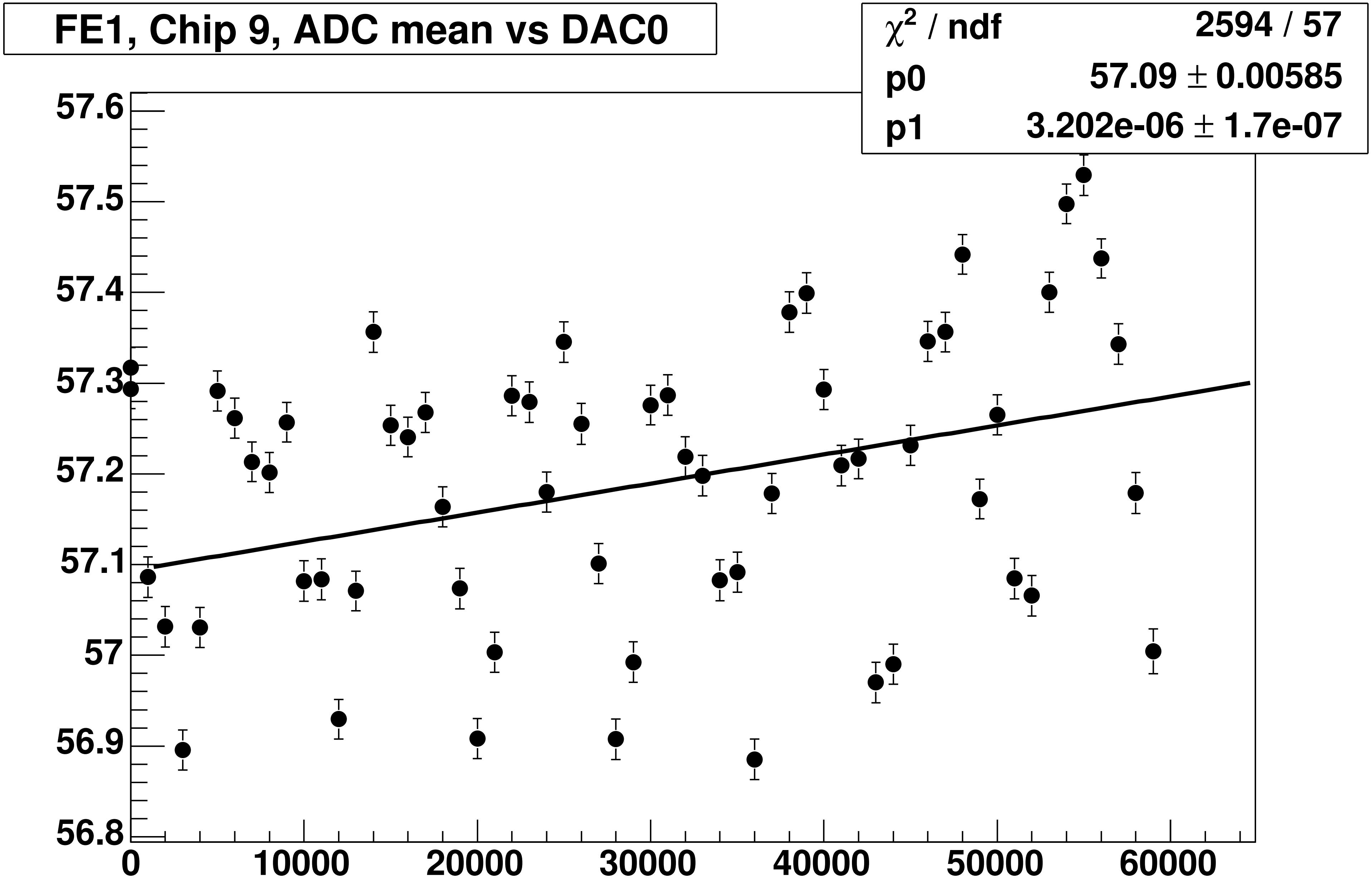

FE1, Chip 8, ADC residuals vs DAC0
0.6
0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
60000


FE1, Chip 8, ADC mean vs DAC1
χ^2 / ndf 6.797e+04 / 57
p0 65.61 ± 0.0112
p1 0.4503 ± 3.673e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

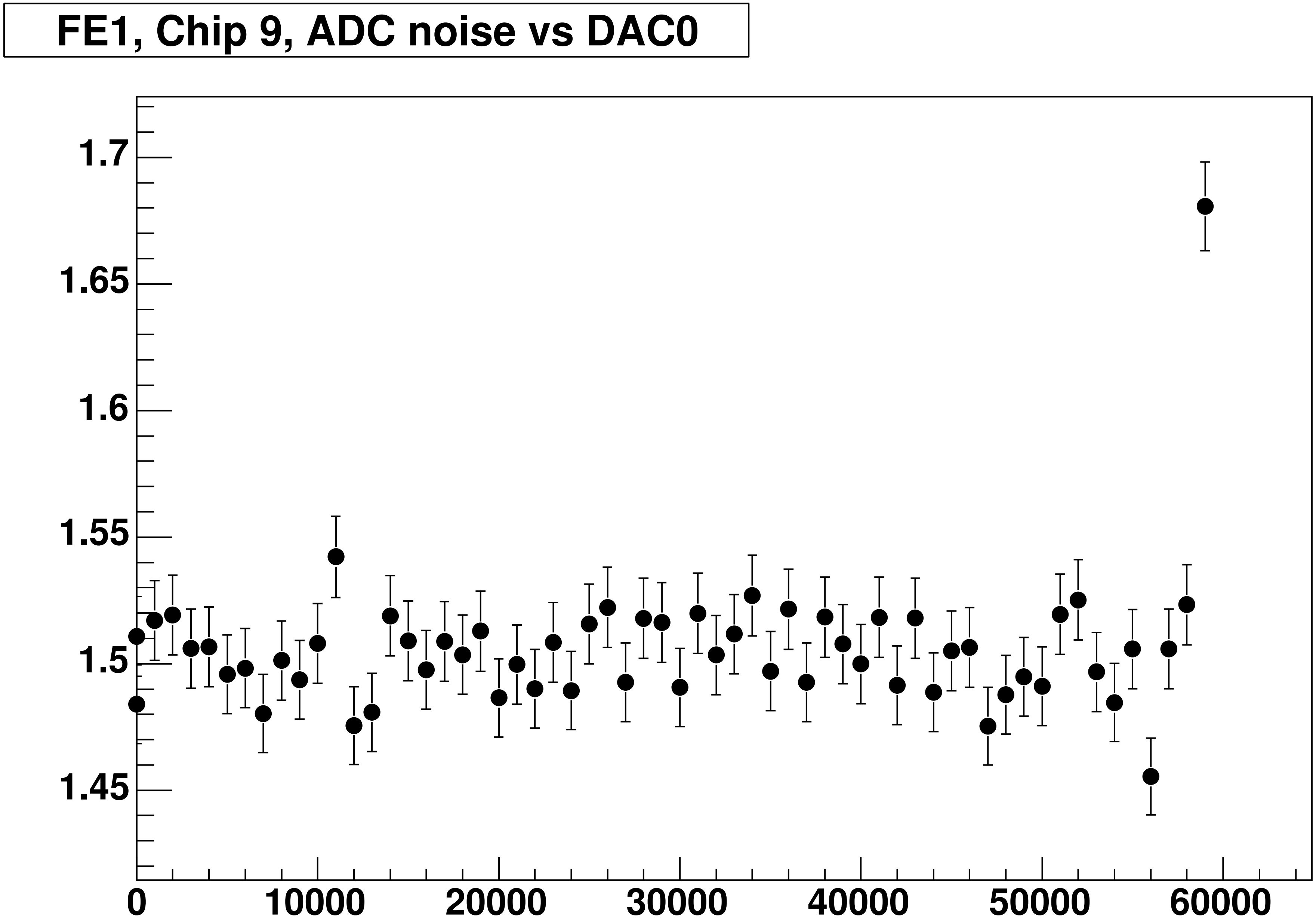

FE1, Chip 8, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000



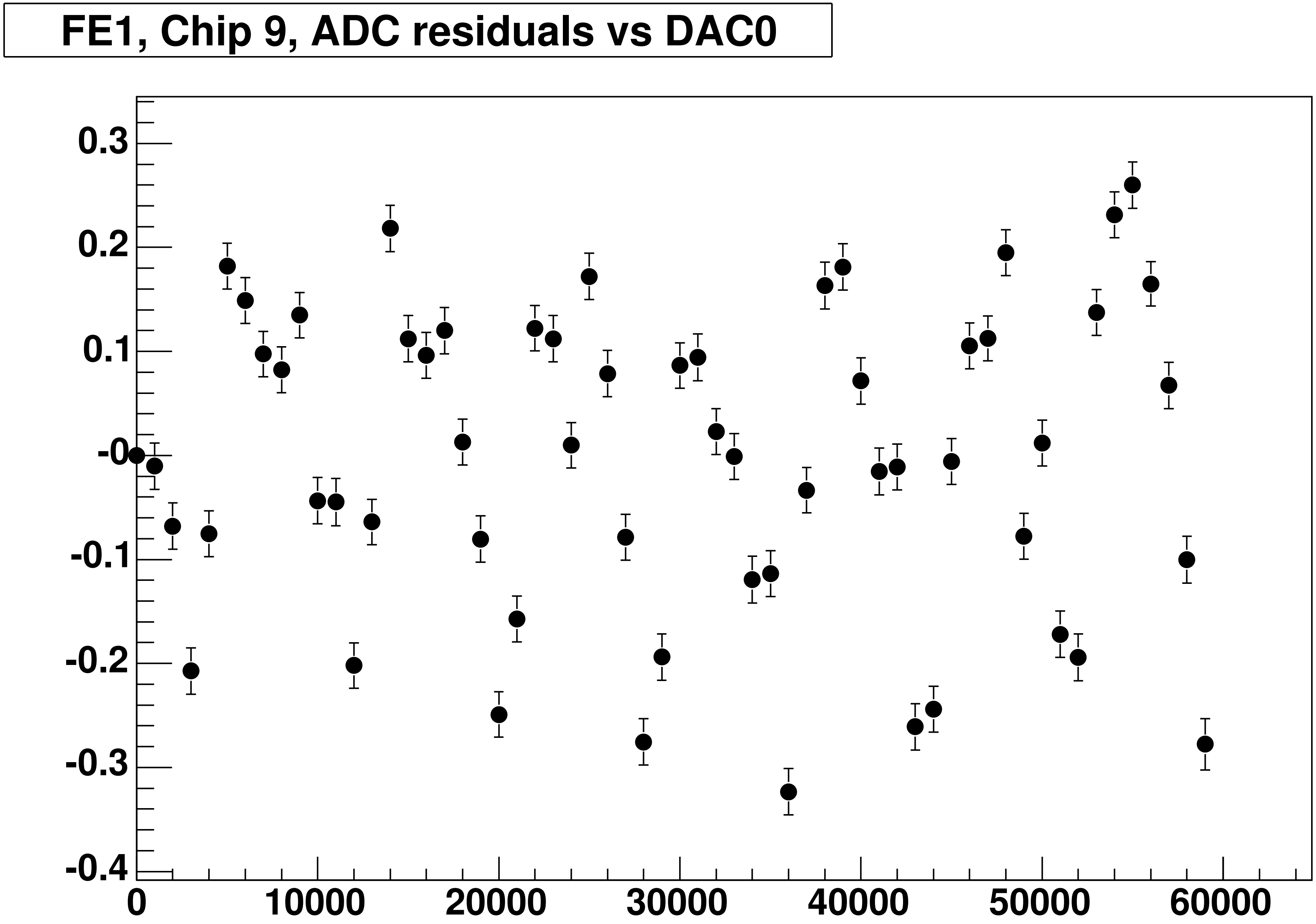
FE1, Chip 8, ADC residuals vs DAC1
4
3
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000



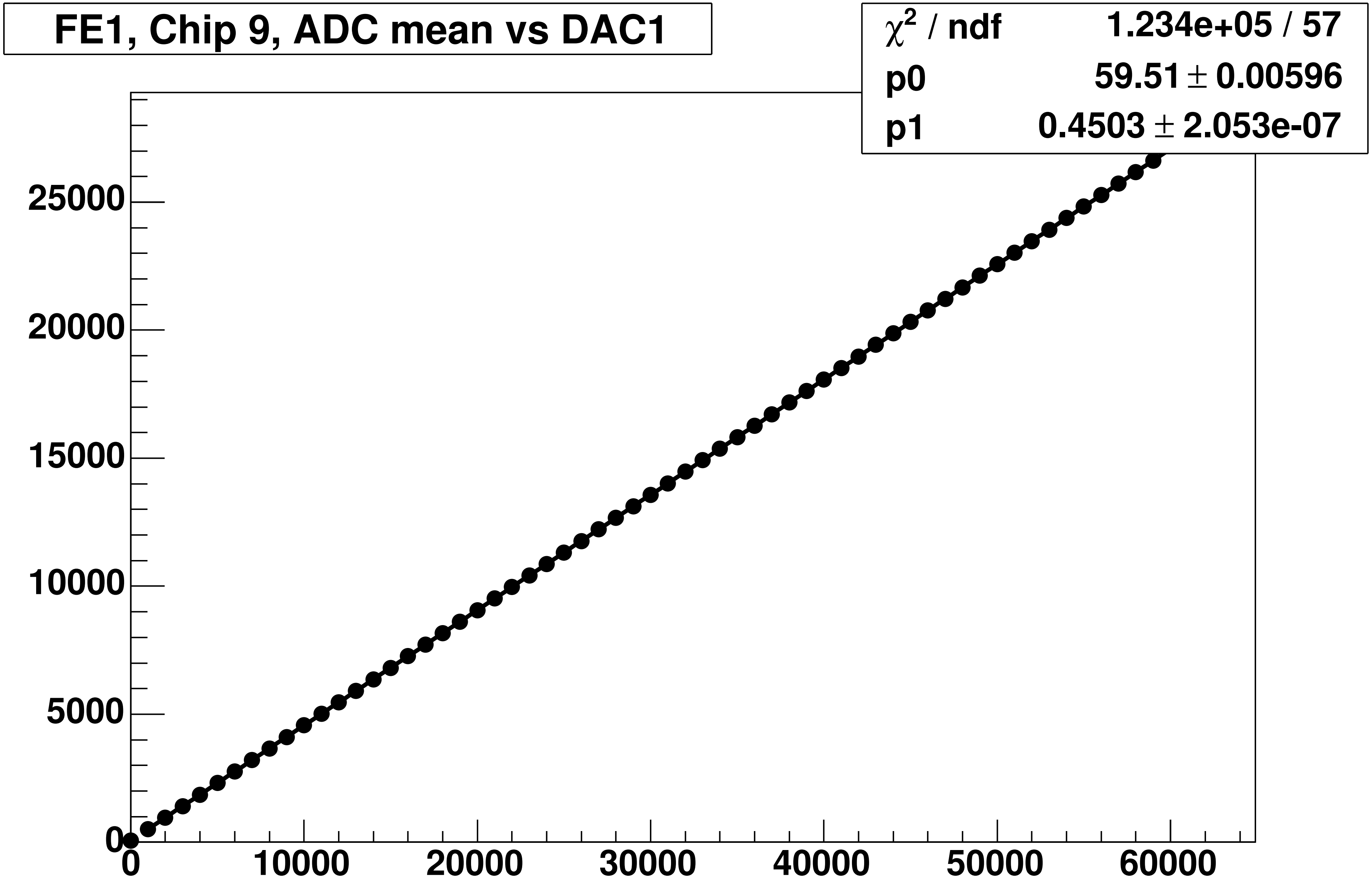
FE1, Chip 9, ADC mean vs DAC0
χ^2 / ndf 2594 / 57
p0 57.09 ± 0.00585
p1 3.202e-06 ± 1.7e-07
57.6
57.5
57.4
57.3
57.2
57.1
57
56.9
56.8
0
10000
20000
30000
40000
50000
60000

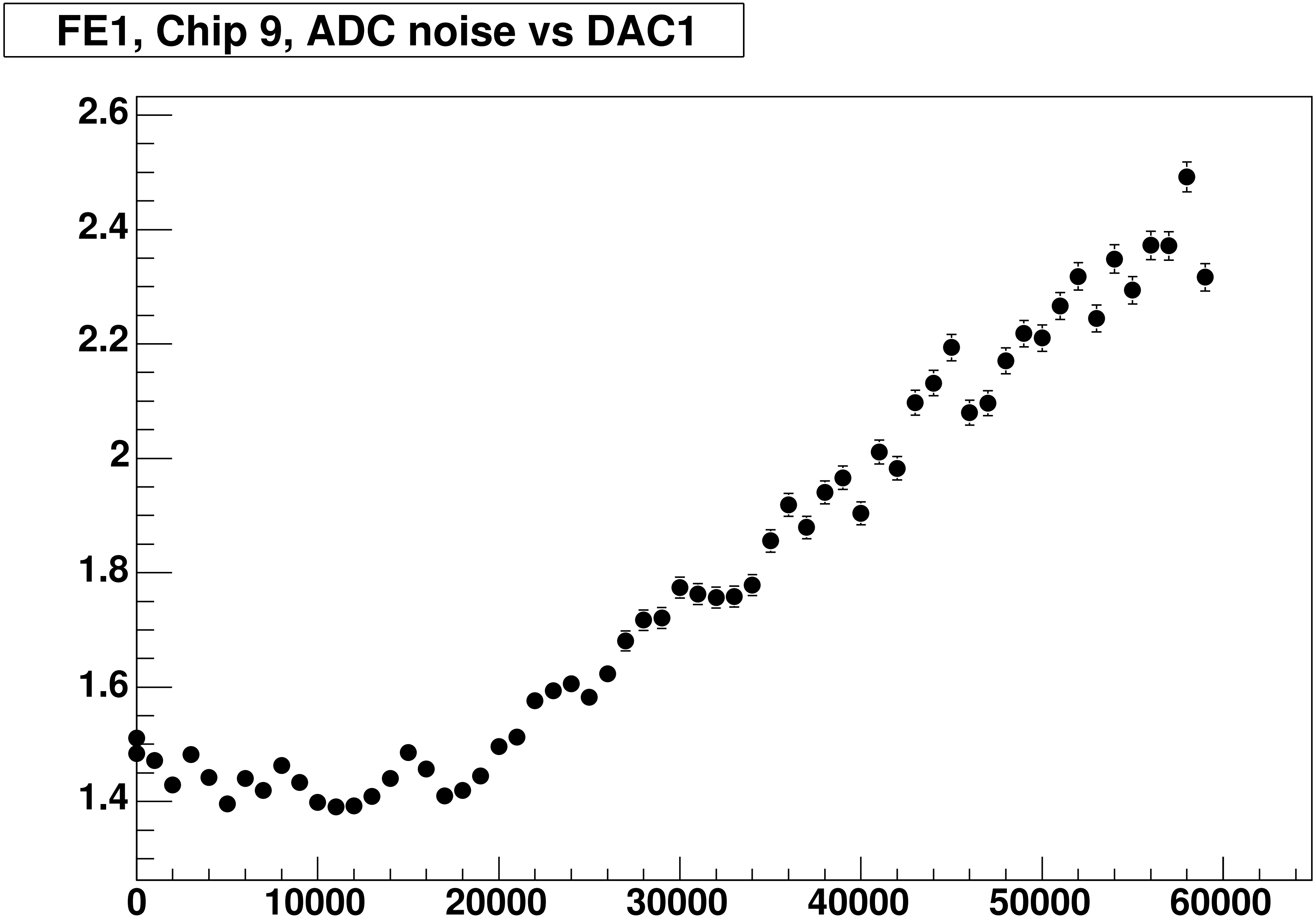


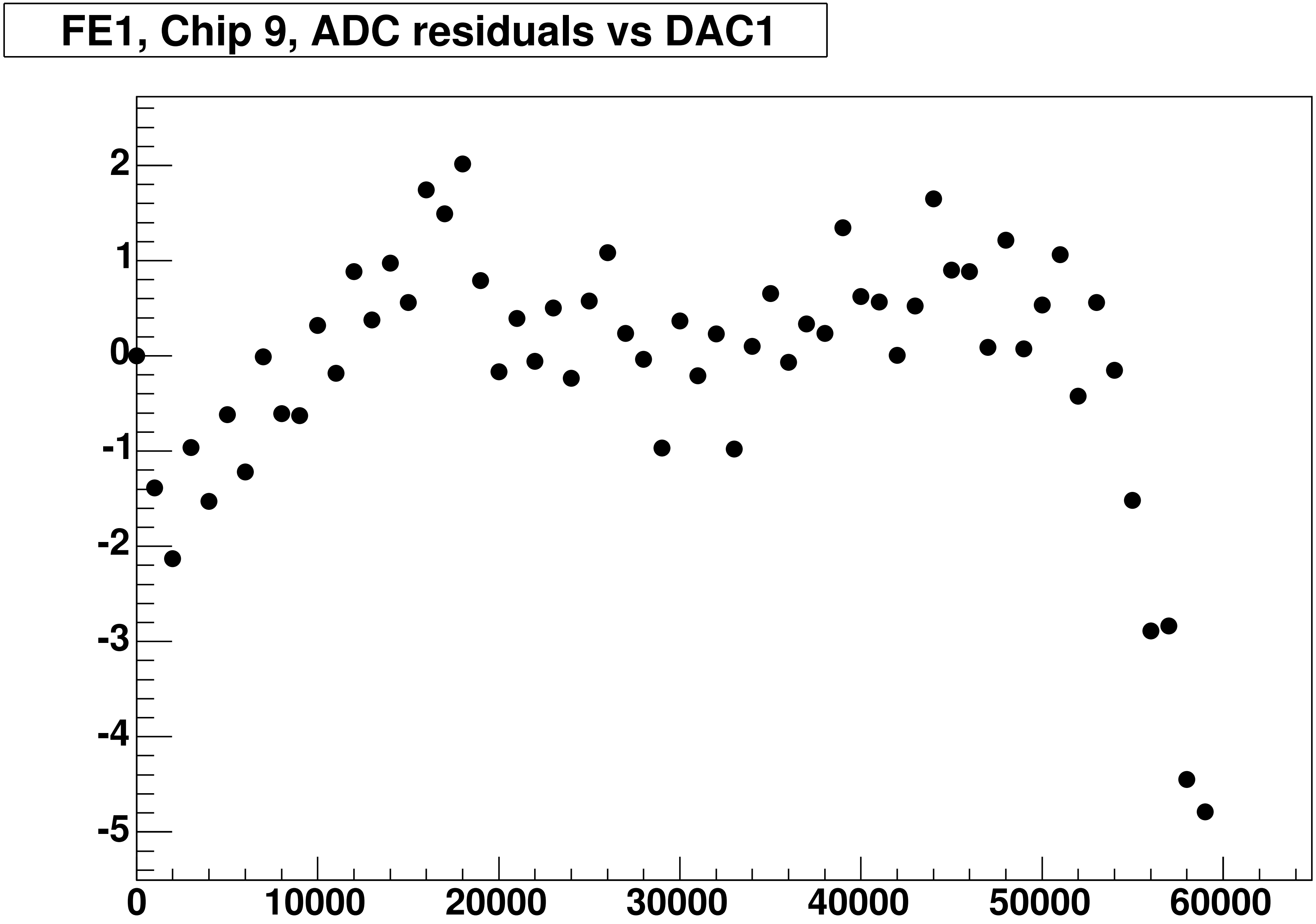
FE1, Chip 9, ADC noise vs DAC0
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

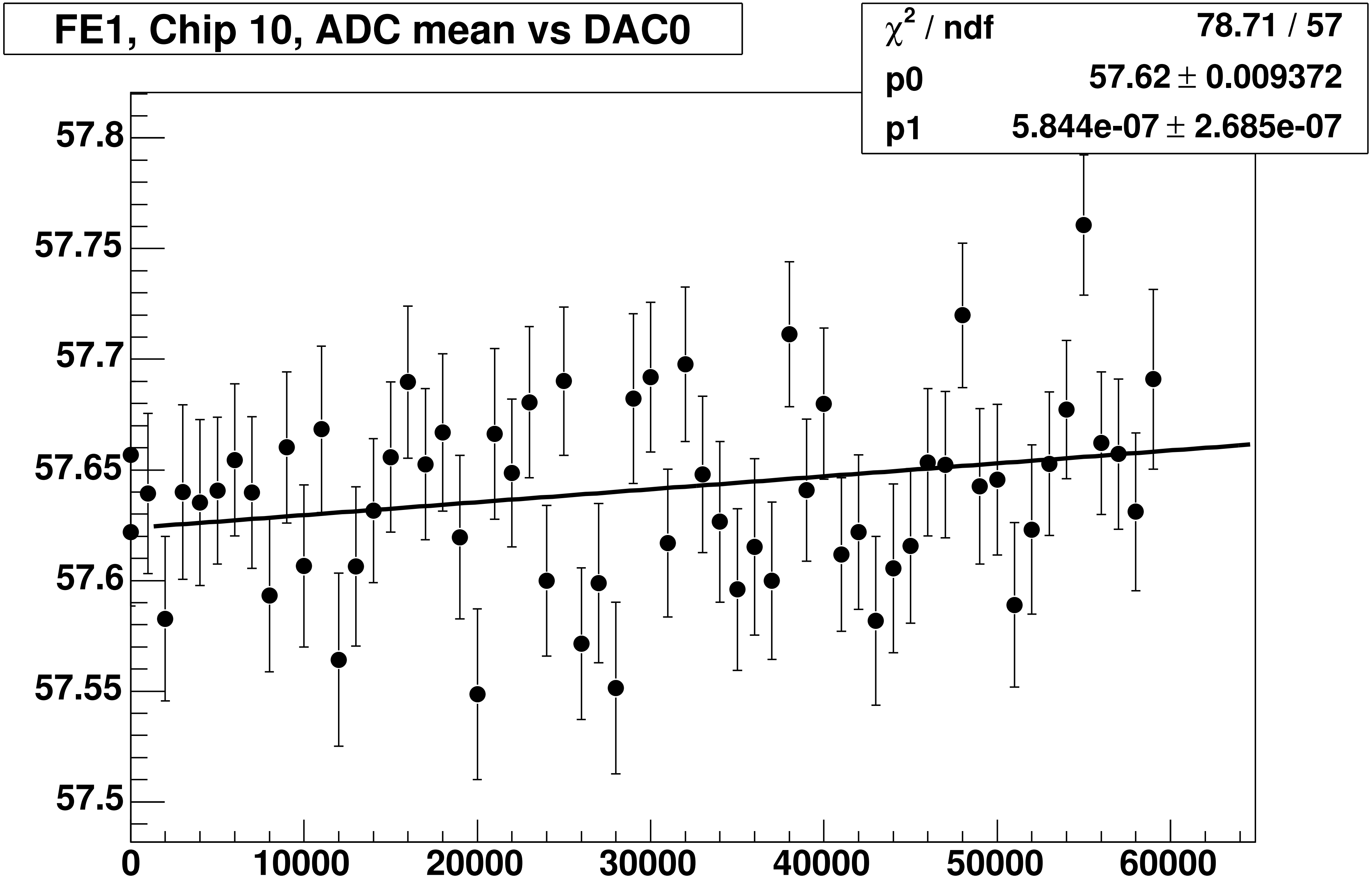


FE1, Chip 9, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

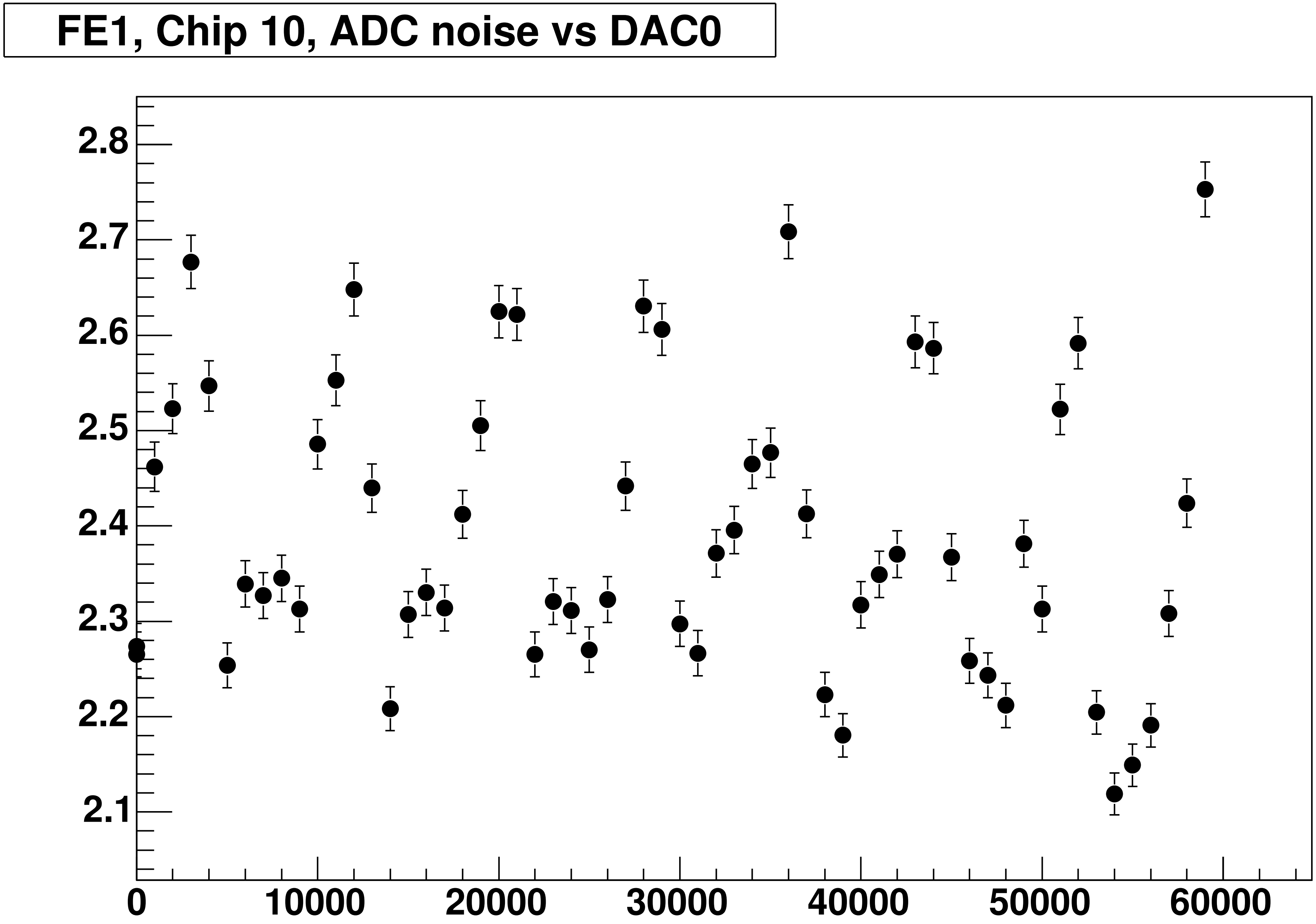

FE1, Chip 9, ADC mean vs DAC1
χ^2 / ndf 1.234e+05 / 57
p0 59.51 ± 0.00596
p1 0.4503 ± 2.053e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

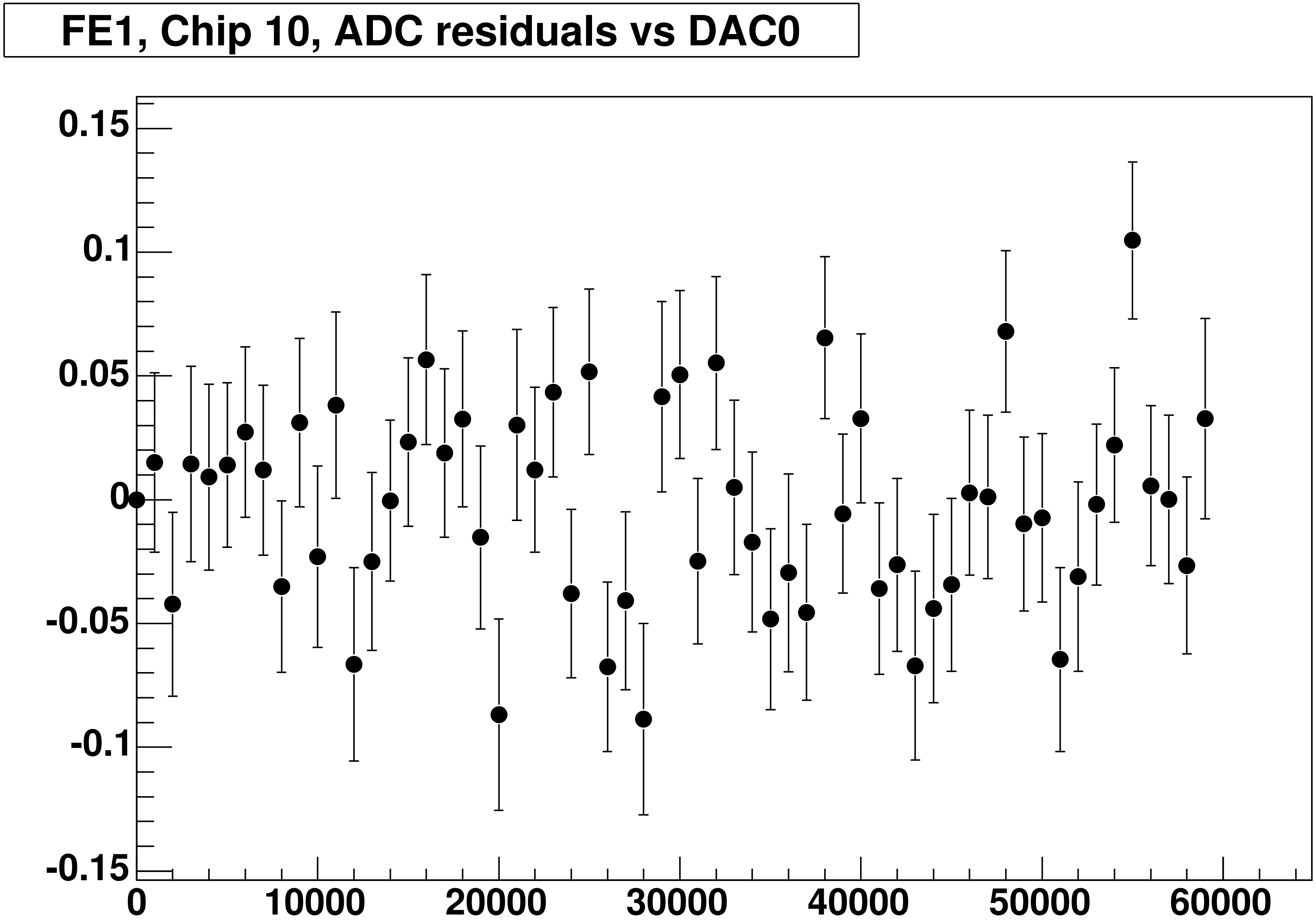

FE1, Chip 9, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

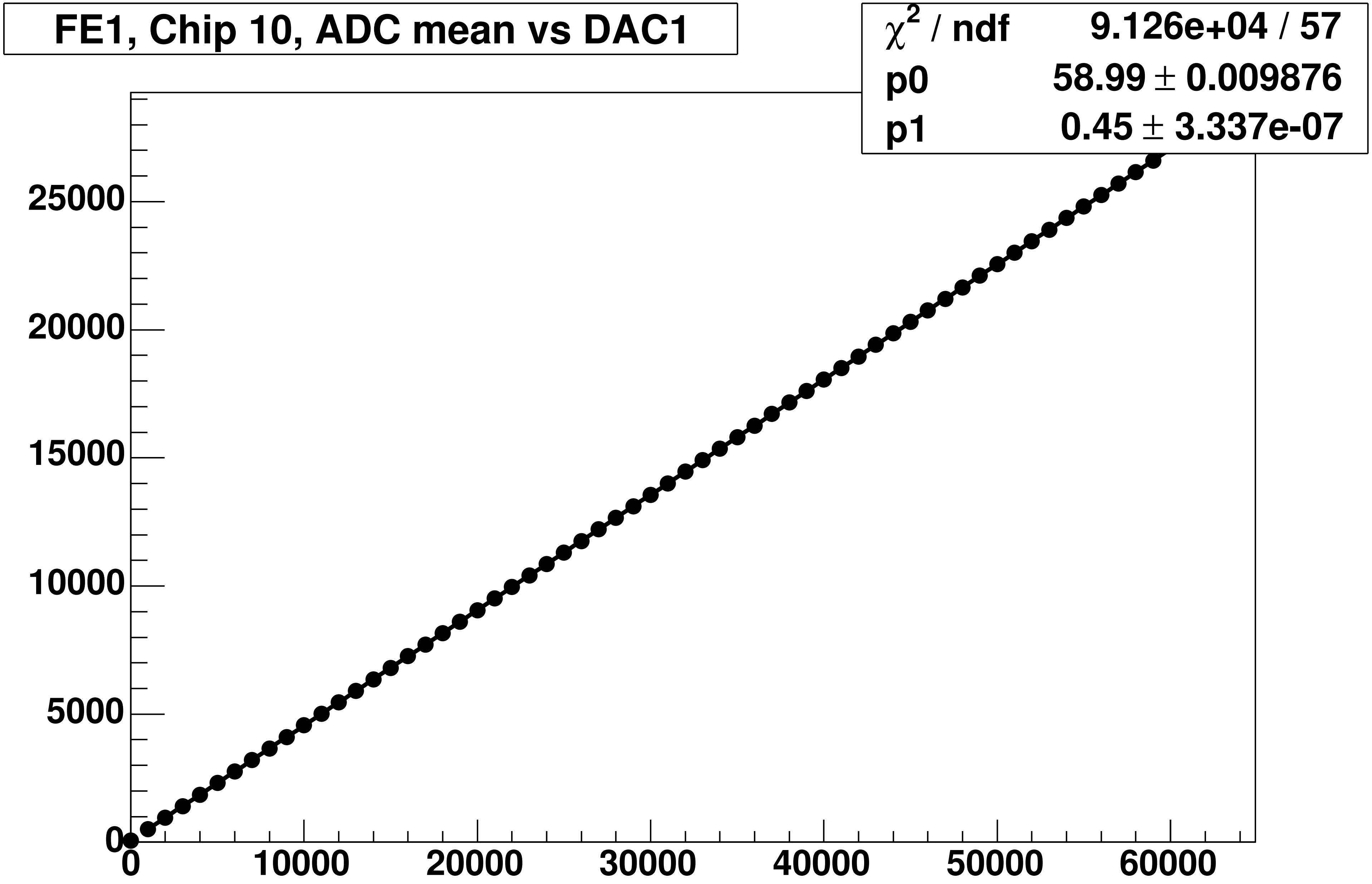

FE1, Chip 9, ADC residuals vs DAC1
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

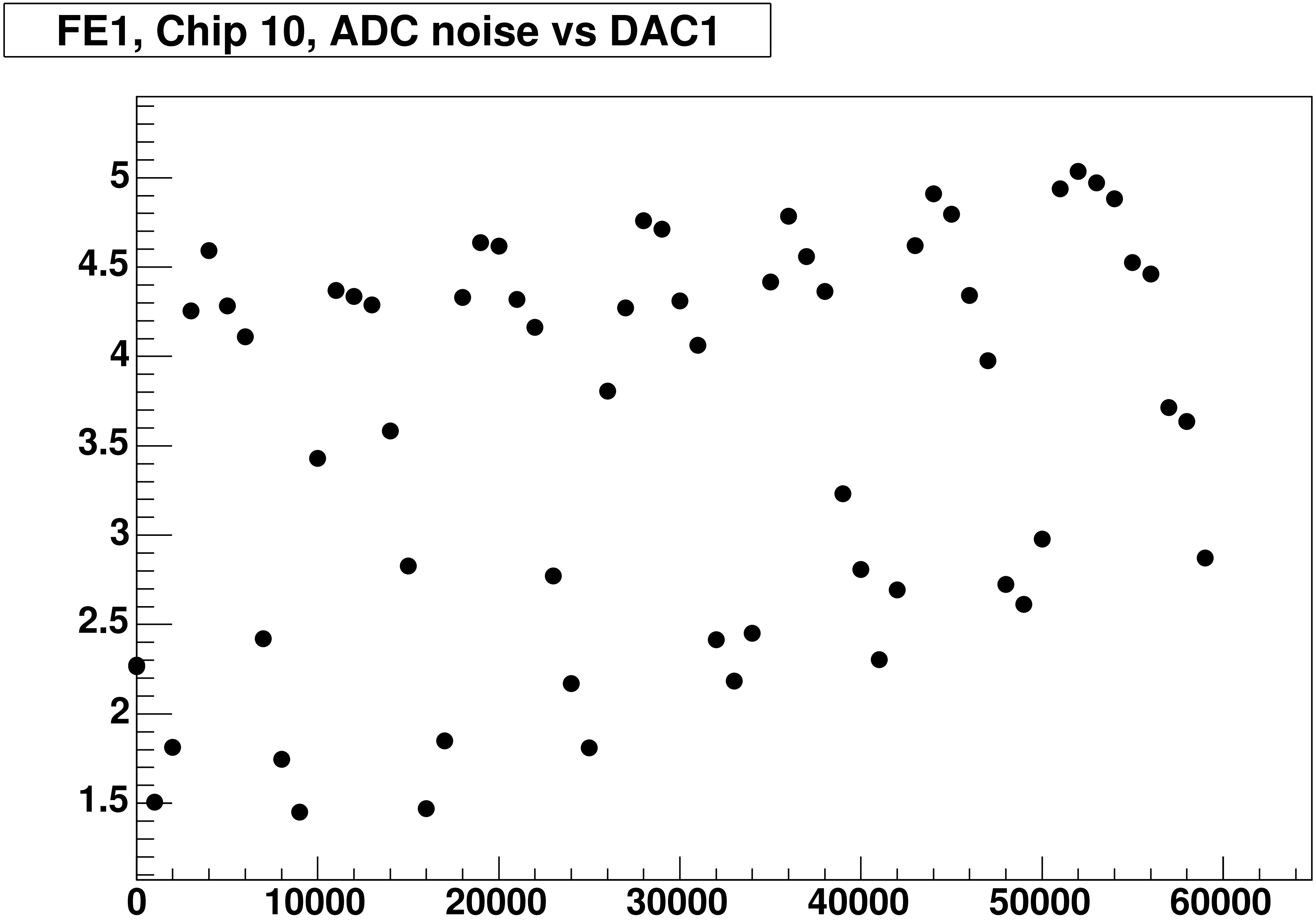


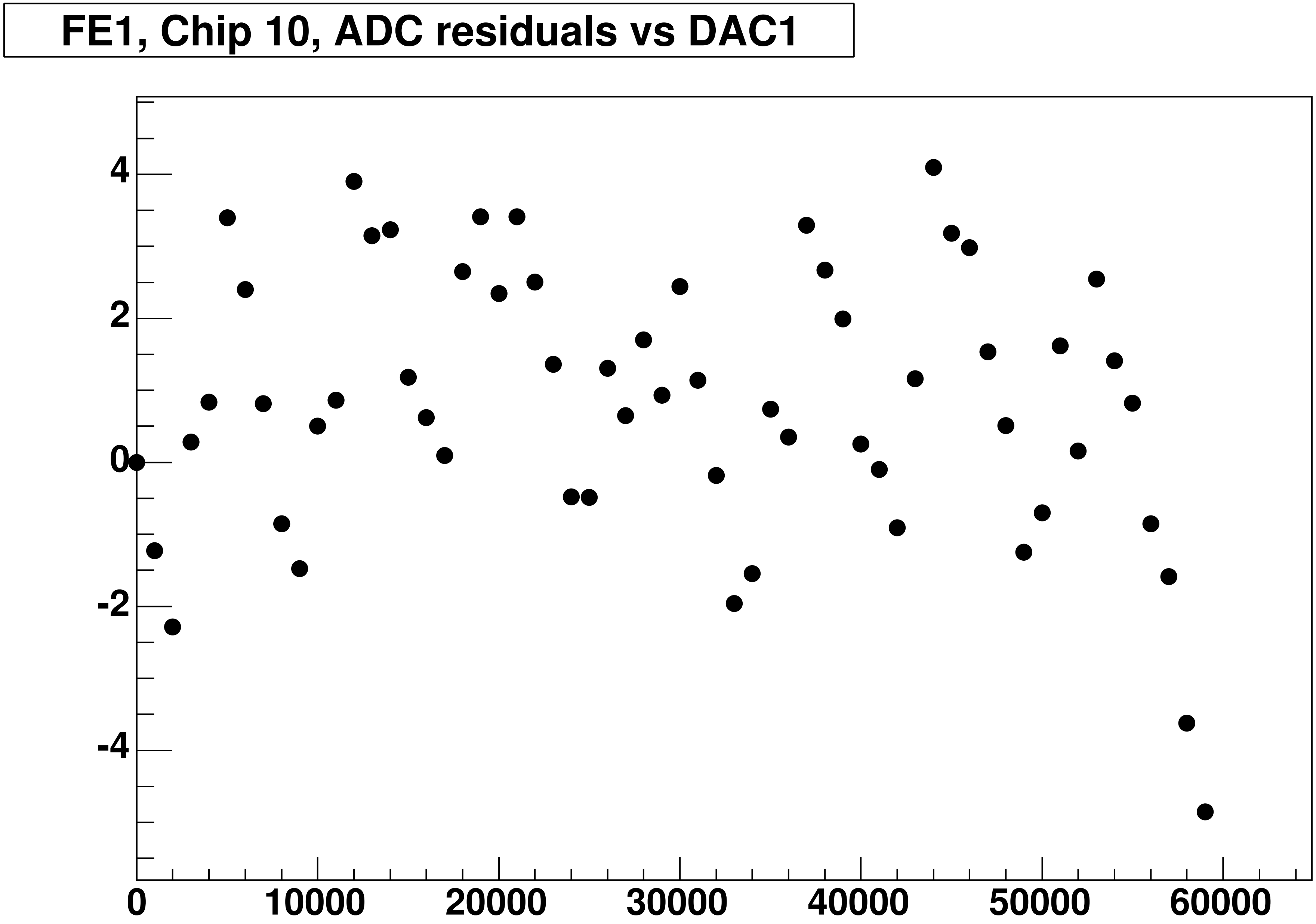
FE1, Chip 10, ADC mean vs DAC0
χ^2 / ndf 78.71 / 57
p0 57.62 ± 0.009372
p1 5.844e-07 ± 2.685e-07
57.8
57.75
57.7
57.65
57.6
57.55
57.5
0
10000
20000
30000
40000
50000
60000


FE1, Chip 10, ADC noise vs DAC0
2.8
2.7
2.6
2.5
2.4
2.3
2.2
2.1
0
10000
20000
30000
40000
50000
60000

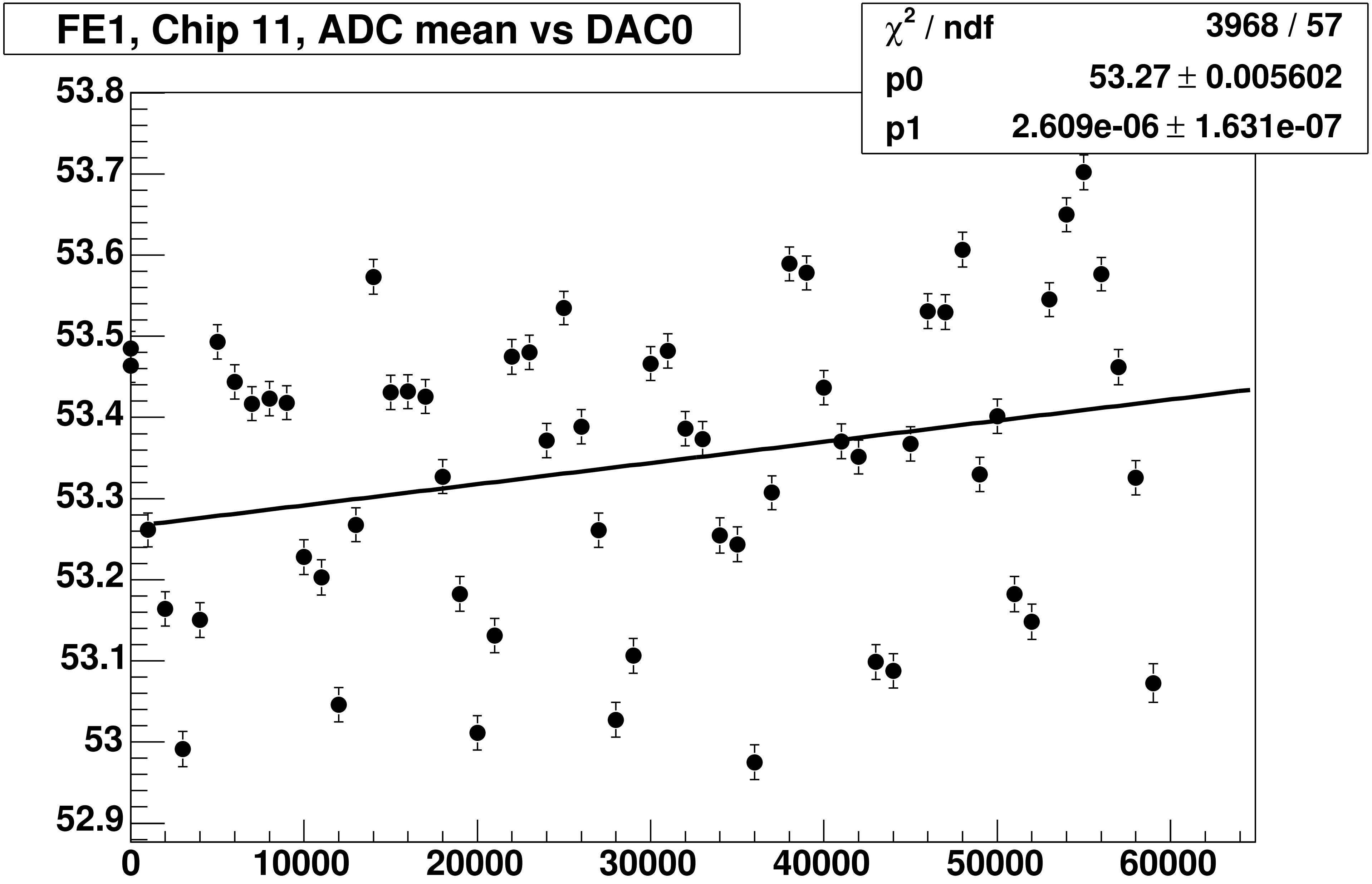

FE1, Chip 10, ADC residuals vs DAC0
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000


FE1, Chip 10, ADC mean vs DAC1
χ^2 / ndf 9.126e+04 / 57
p0 58.99 ± 0.009876
p1 0.45 ± 3.337e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

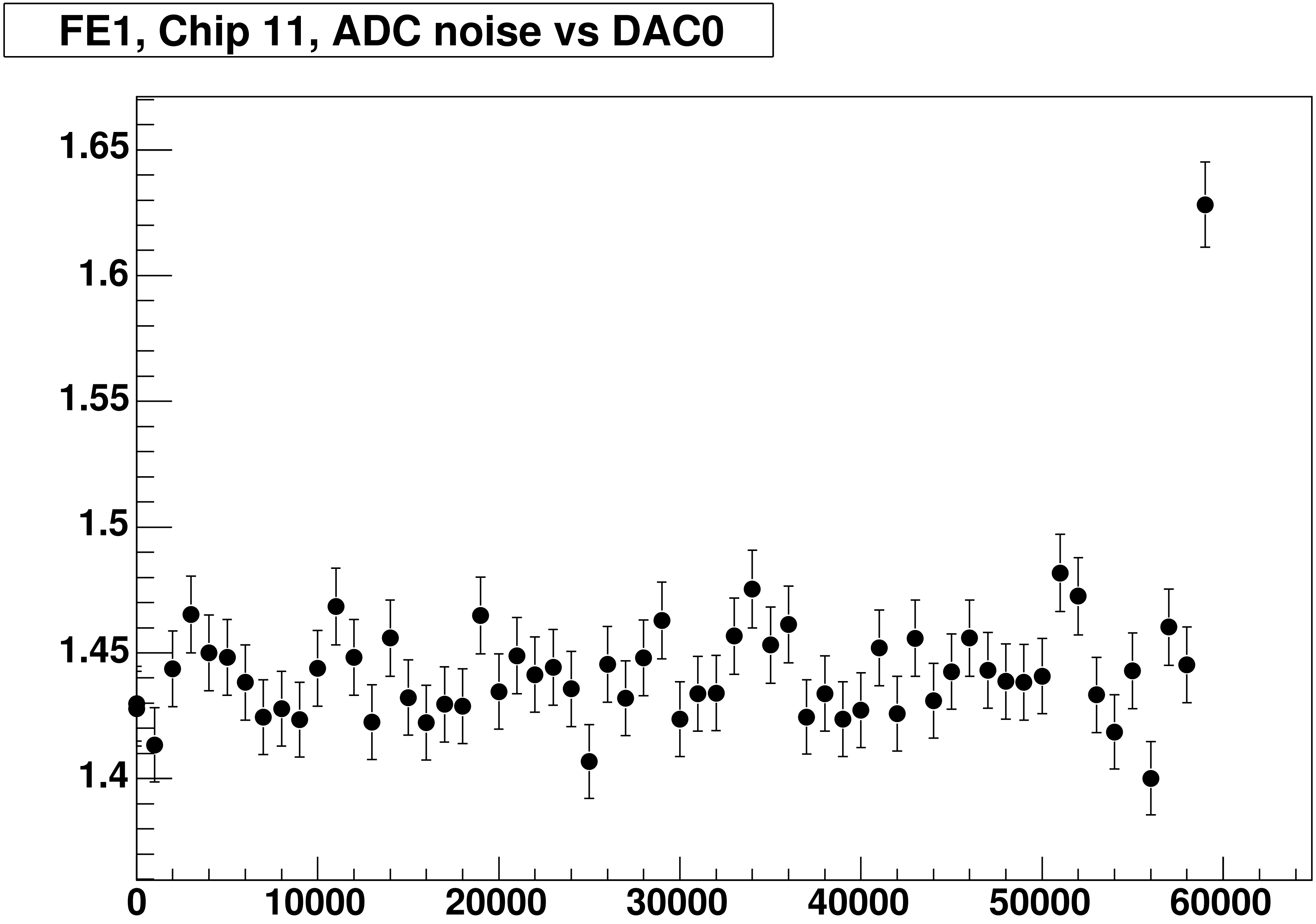

FE1, Chip 10, ADC noise vs DAC1
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

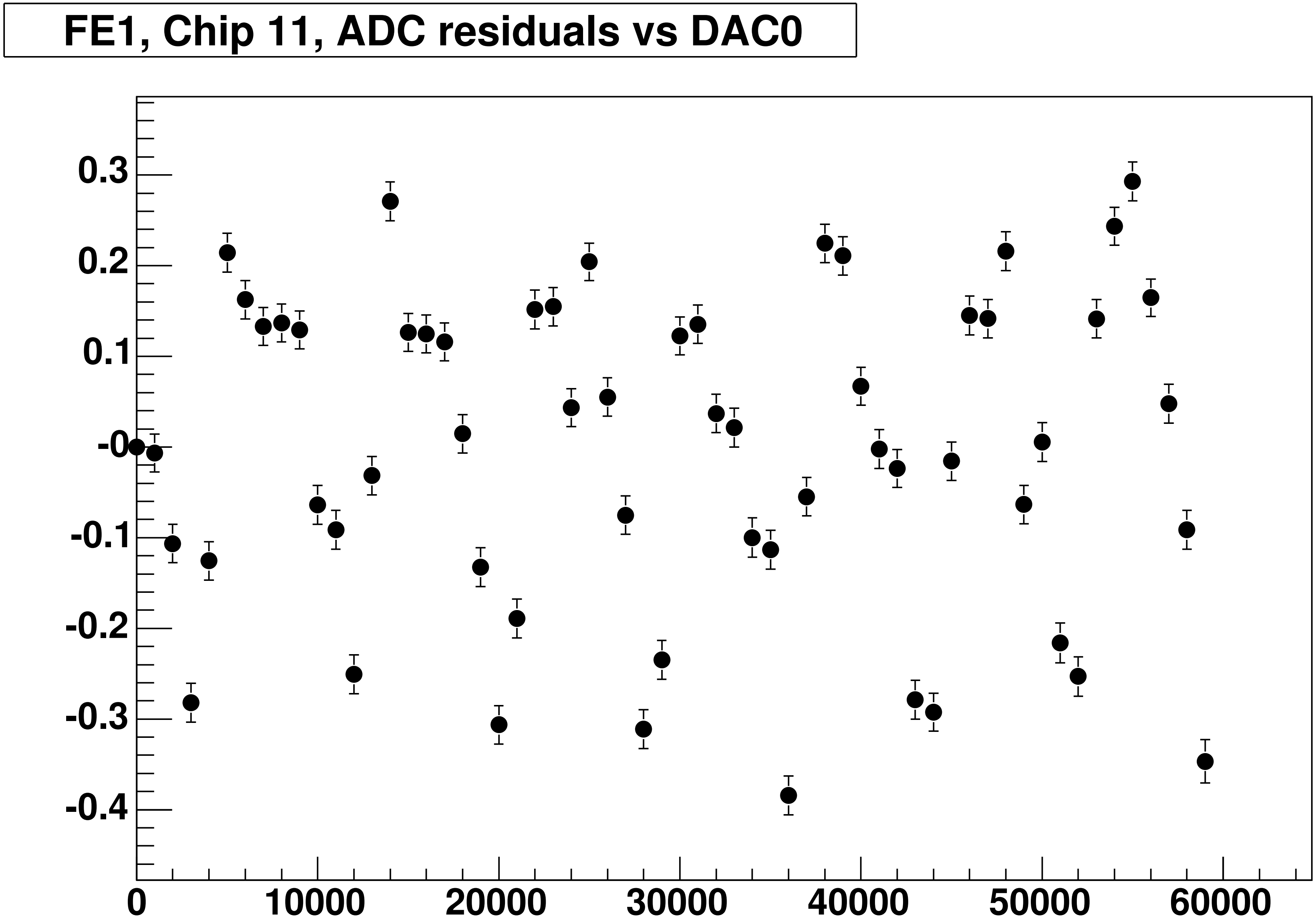


FE1, Chip 10, ADC residuals vs DAC1
4
2
0
-2
-4
0
10000
20000
30000
40000
50000
60000

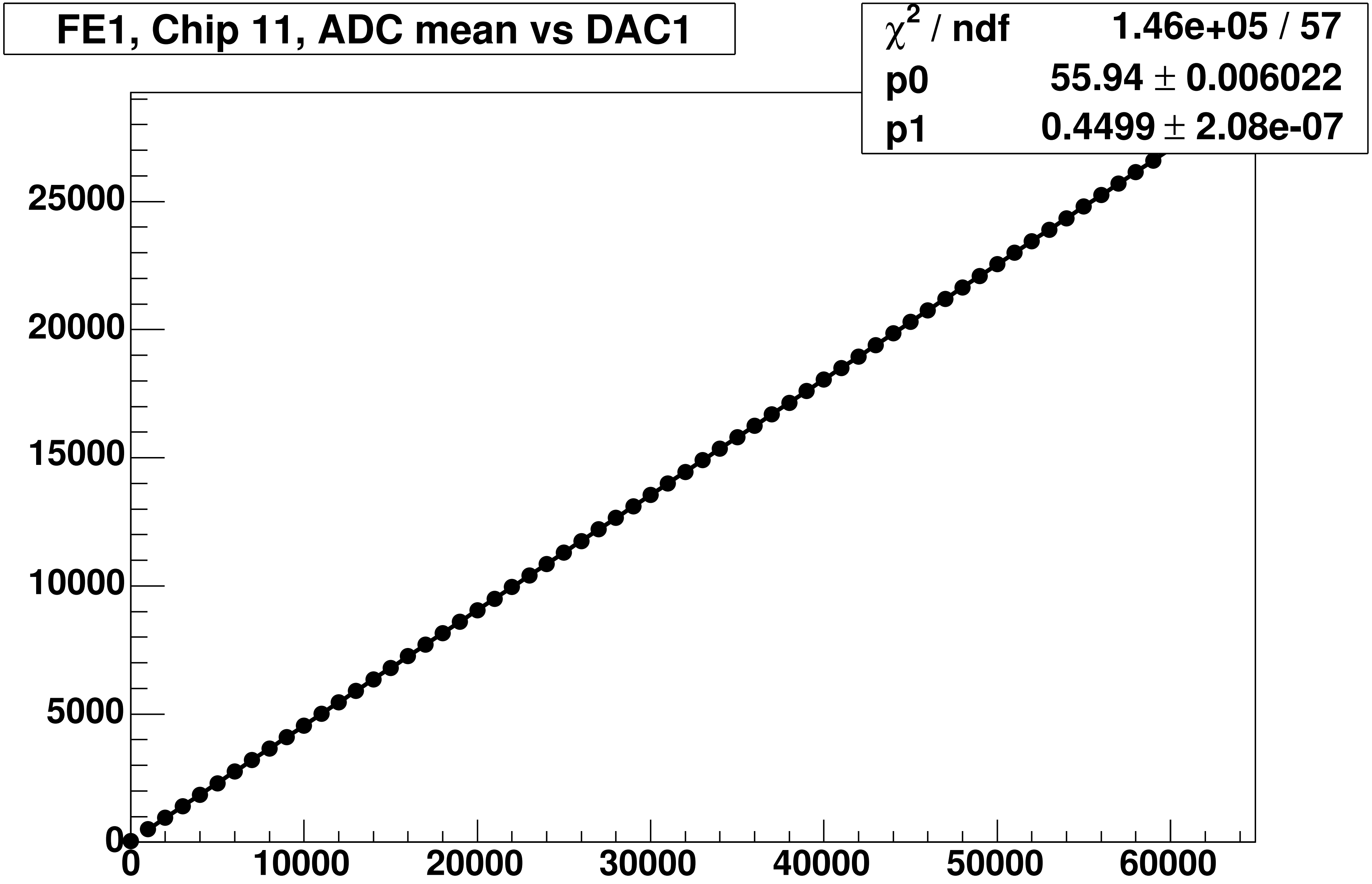


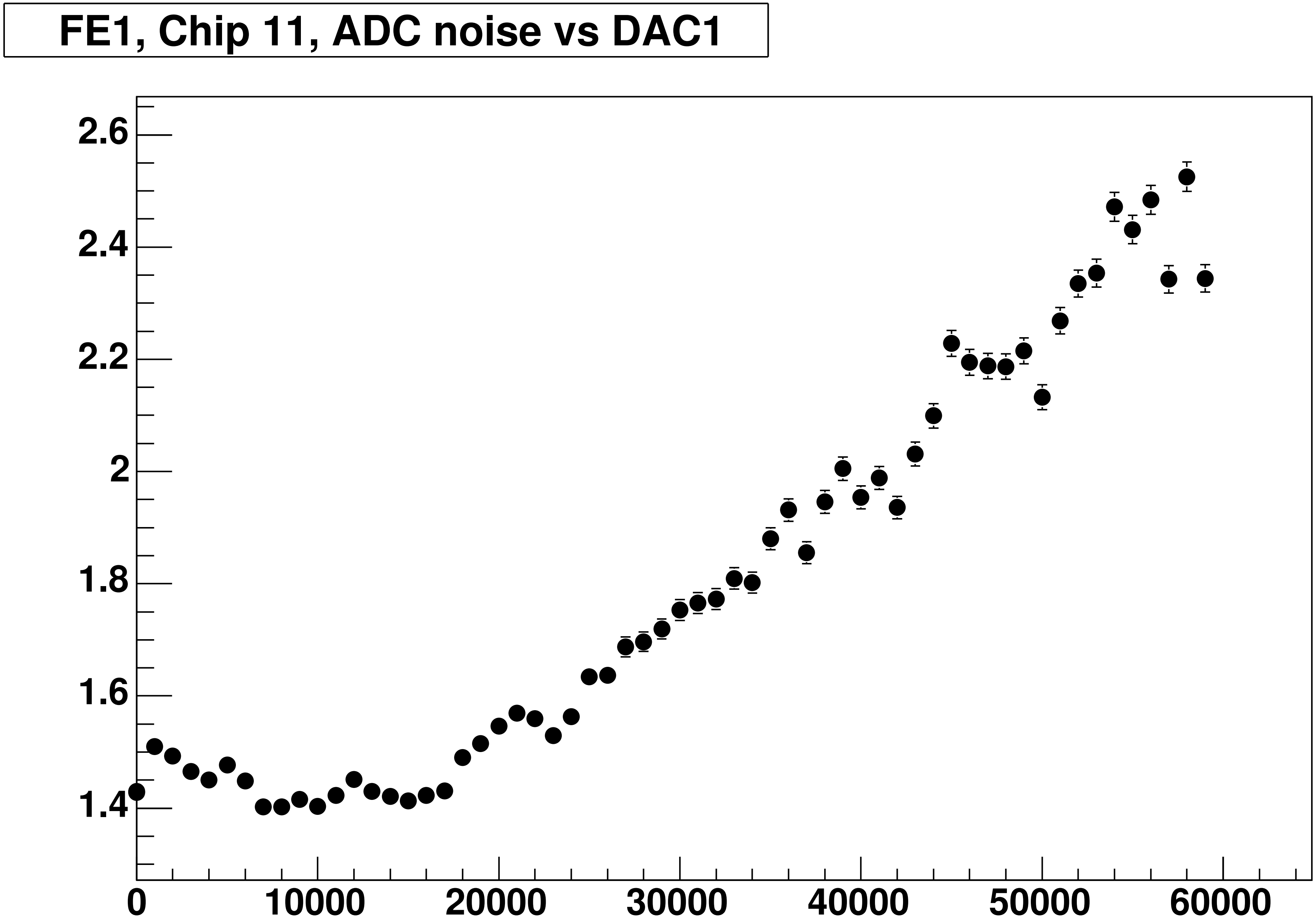
FE1, Chip 11, ADC mean vs DAC0
χ^2 / ndf 3968 / 57
p0 53.27 ± 0.005602
p1 2.609e-06 ± 1.631e-07
53.8
53.7
53.6
53.5
53.4
53.3
53.2
53.1
53
52.9
0
10000
20000
30000
40000
50000
60000


FE1, Chip 11, ADC noise vs DAC0
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

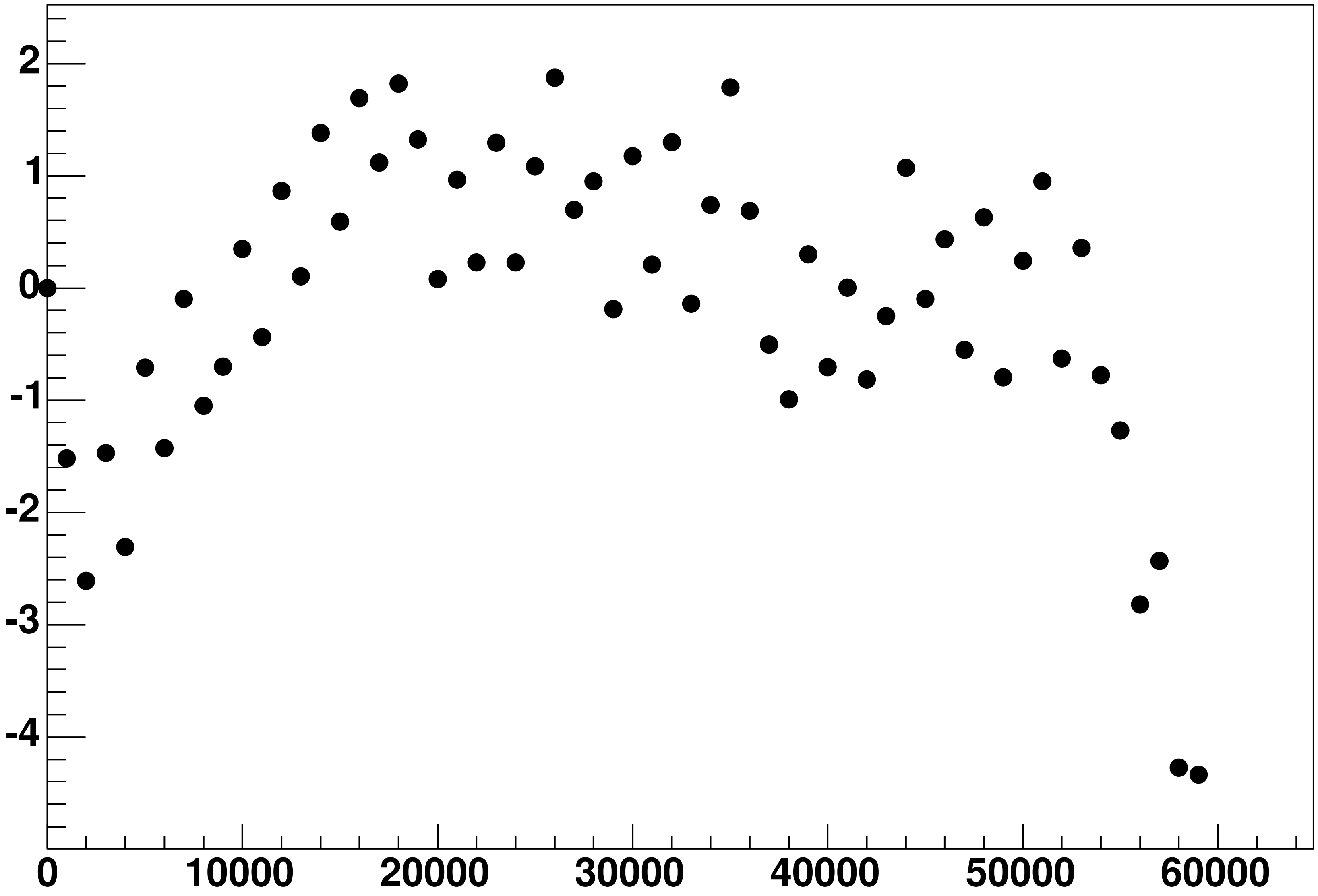


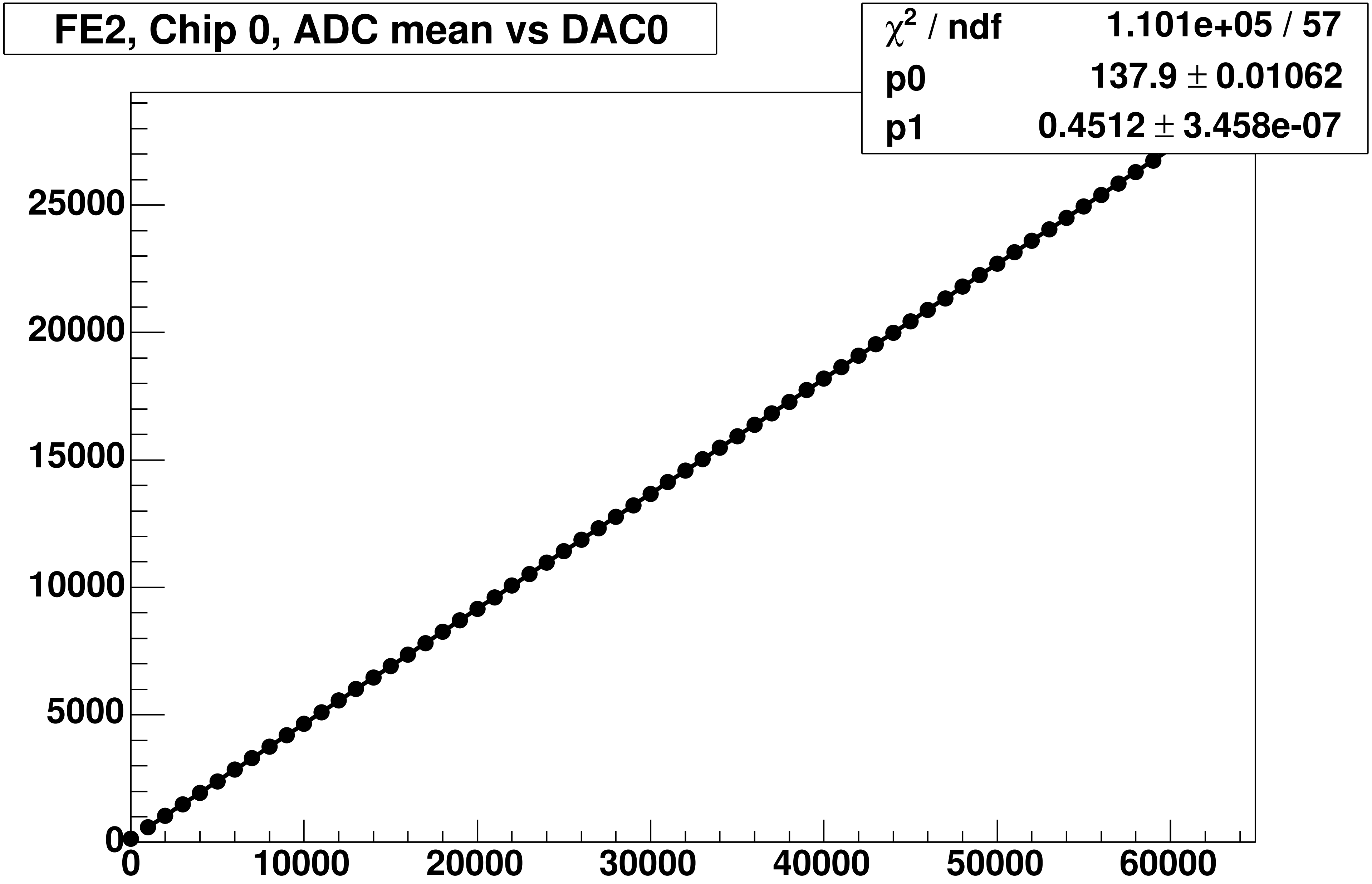
FE1, Chip 11, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

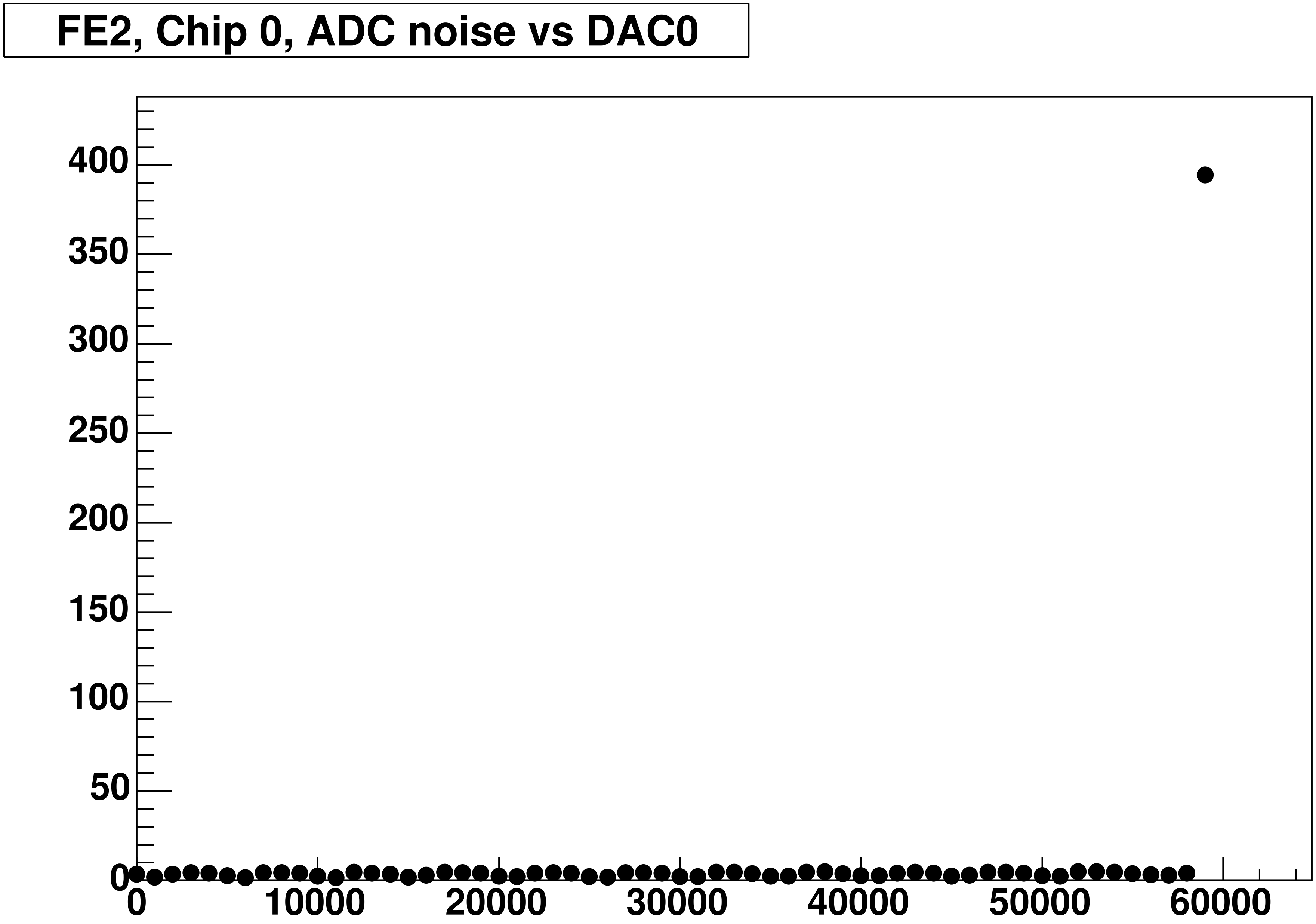

FE1, Chip 11, ADC mean vs DAC1
χ^2 / ndf 1.46e+05 / 57
p0 55.94 ± 0.006022
p1 0.4499 ± 2.08e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

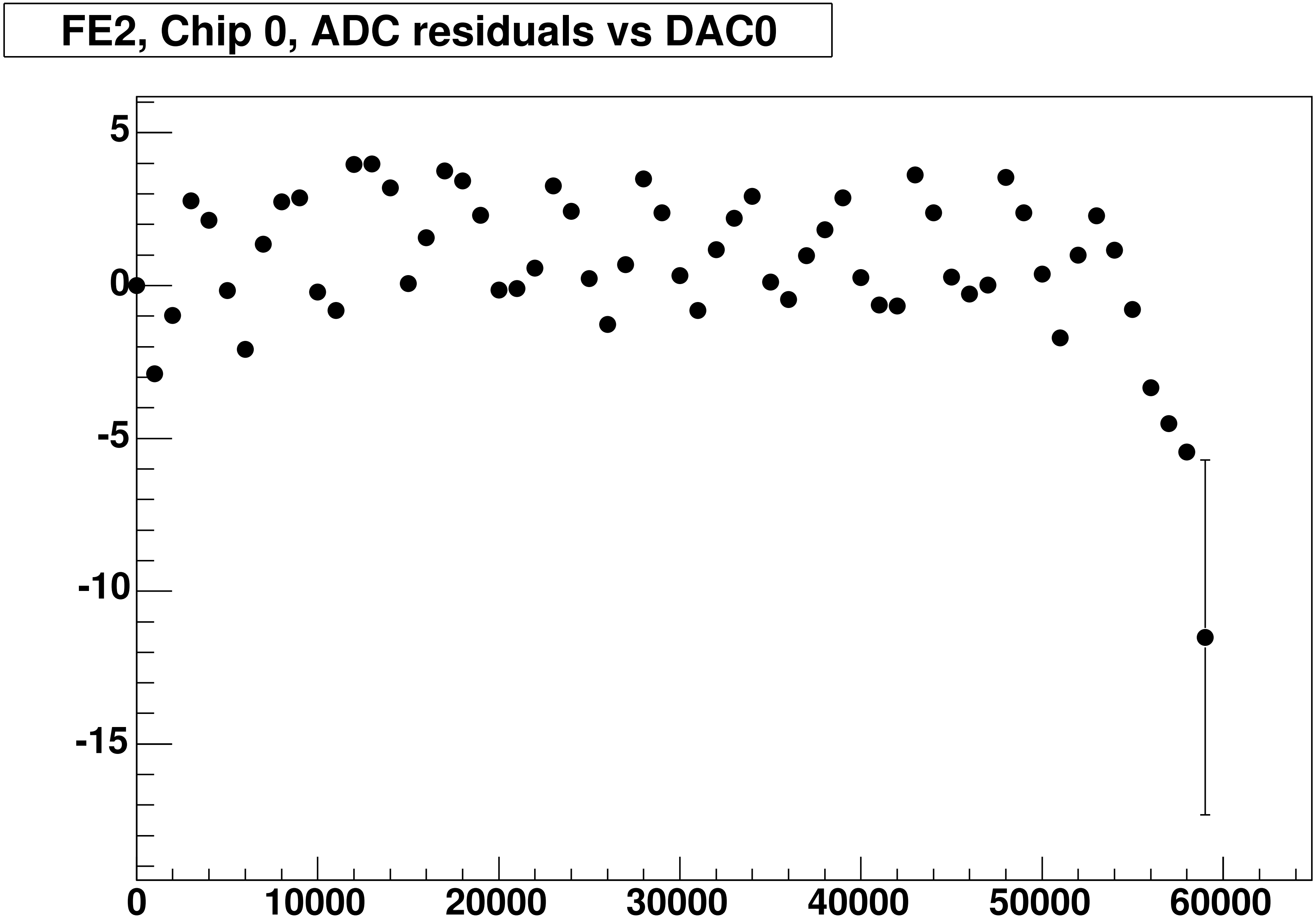

FE1, Chip 11, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

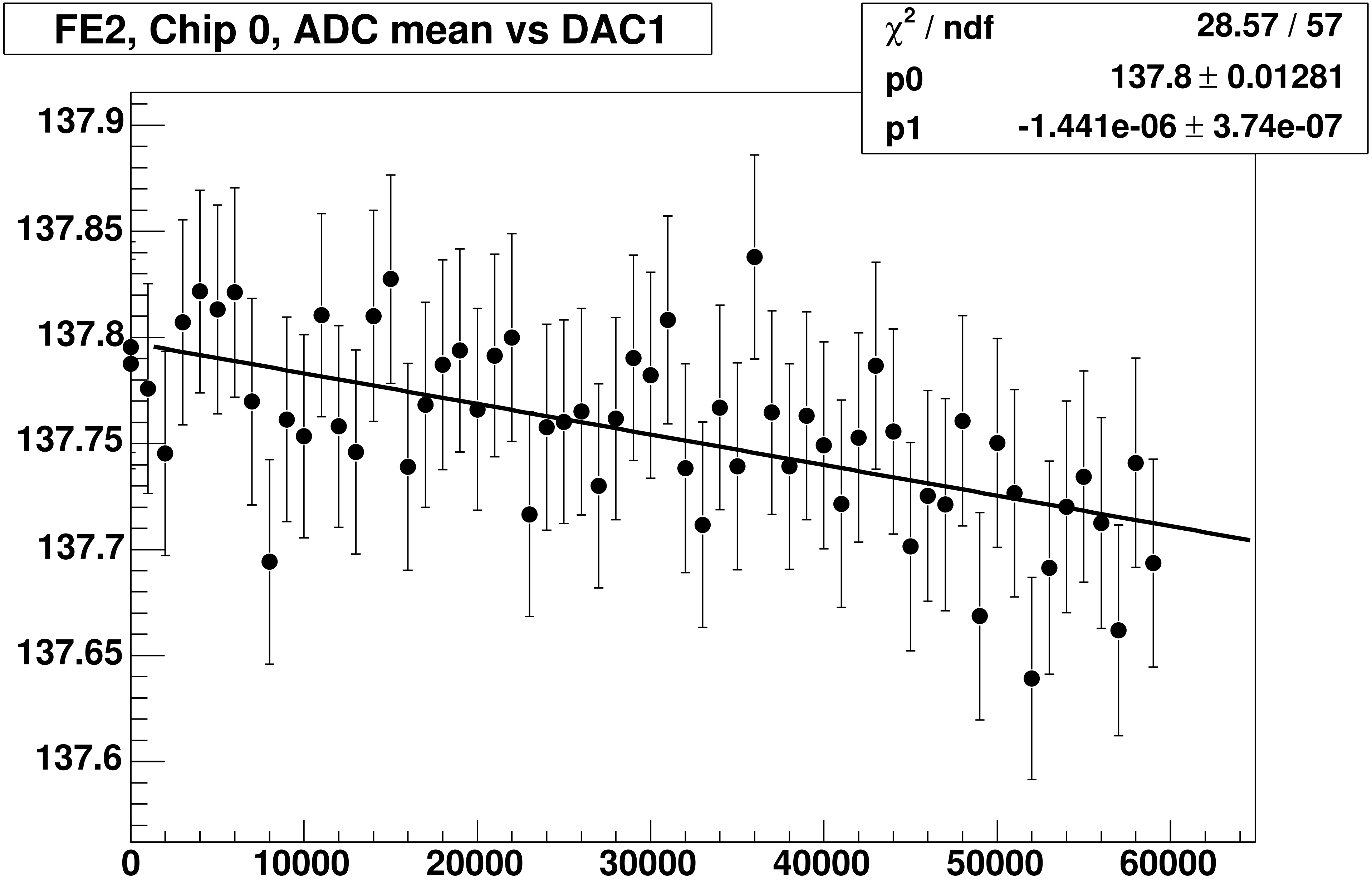
FE1, Chip 11, ADC residuals vs DAC1




FE2, Chip 0, ADC mean vs DAC0
χ^2 / ndf 1.101e+05 / 57
p0 137.9 ± 0.01062
p1 0.4512 ± 3.458e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

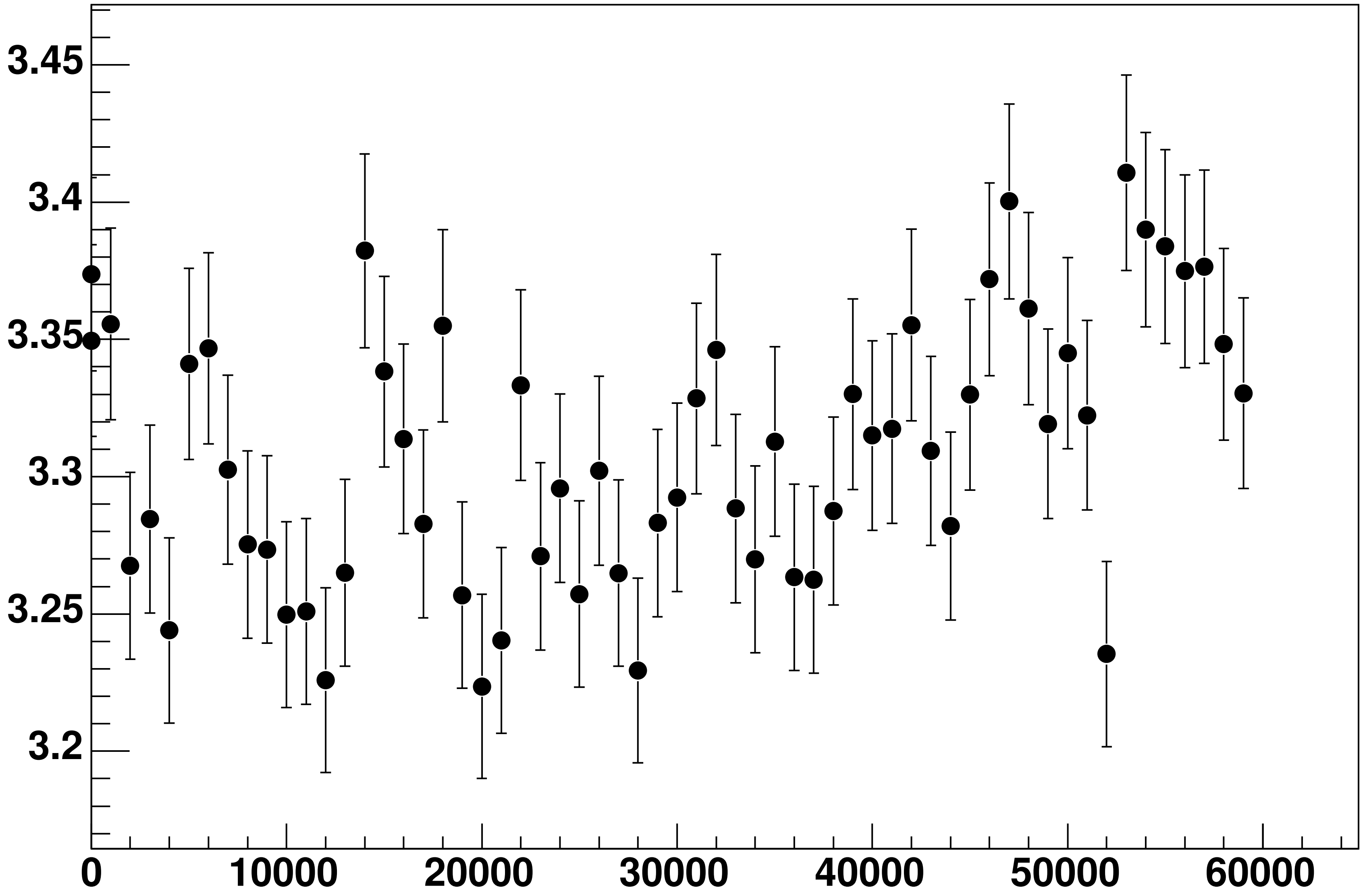

FE2, Chip 0, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

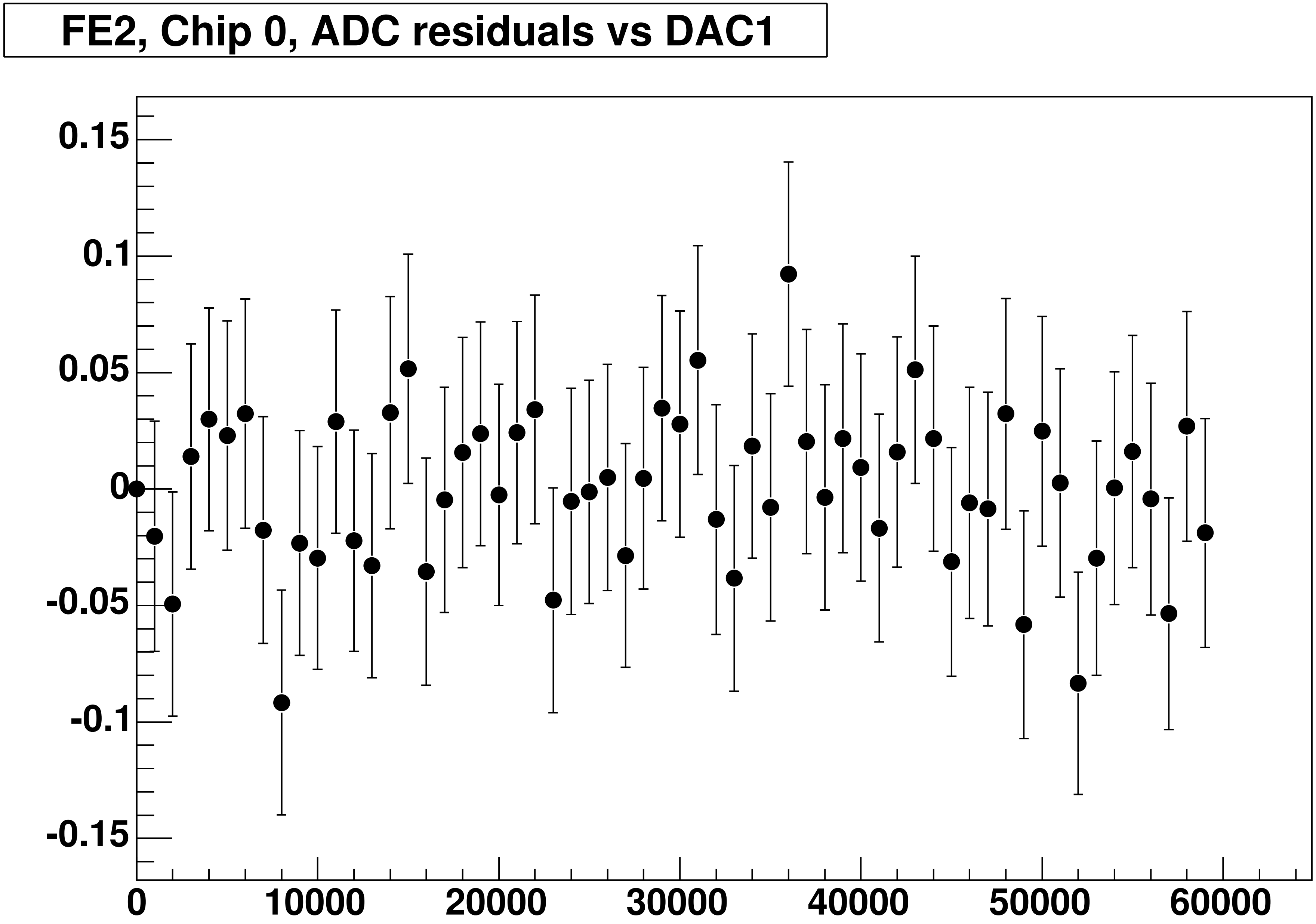

FE2, Chip 0, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

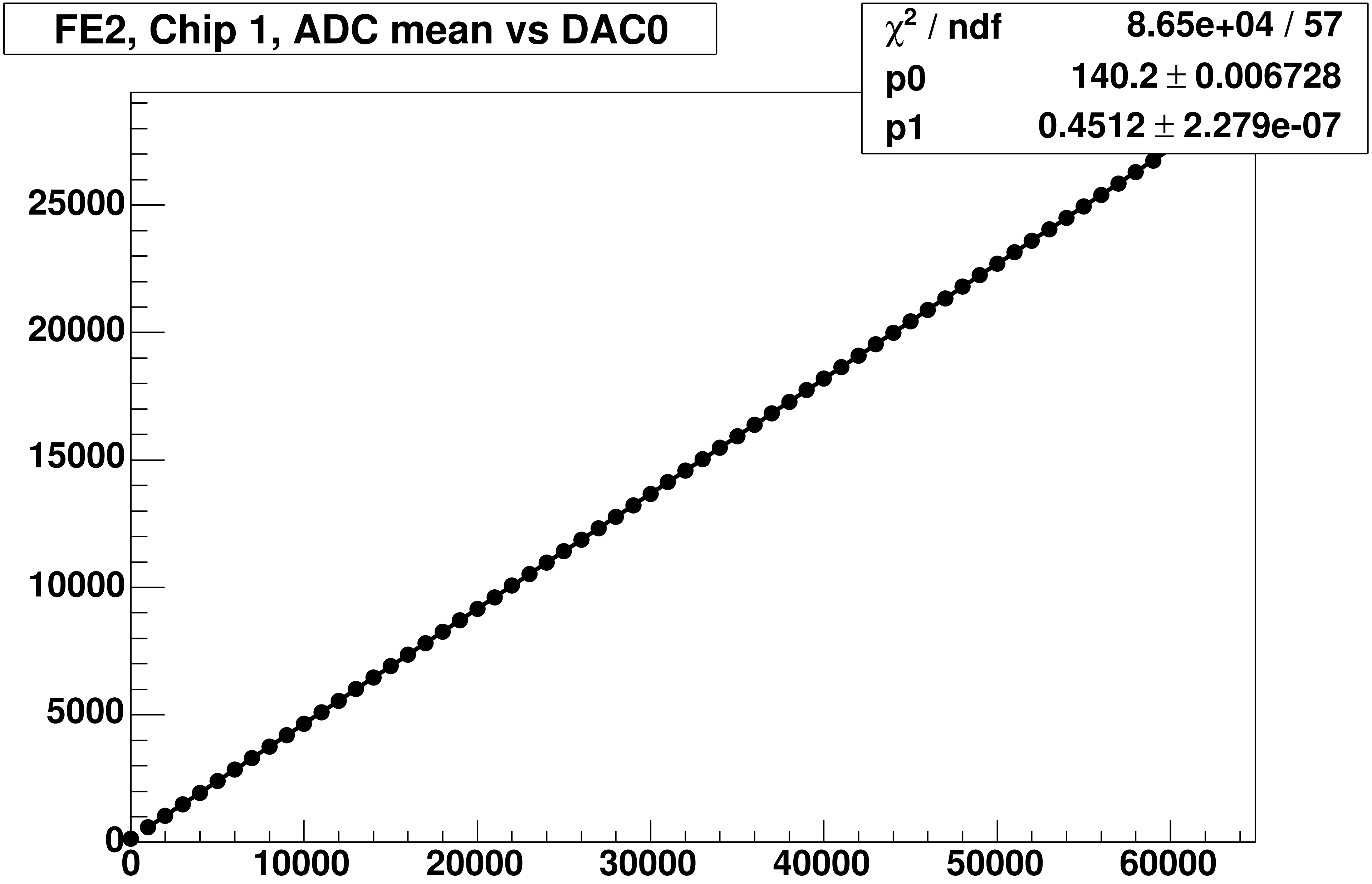


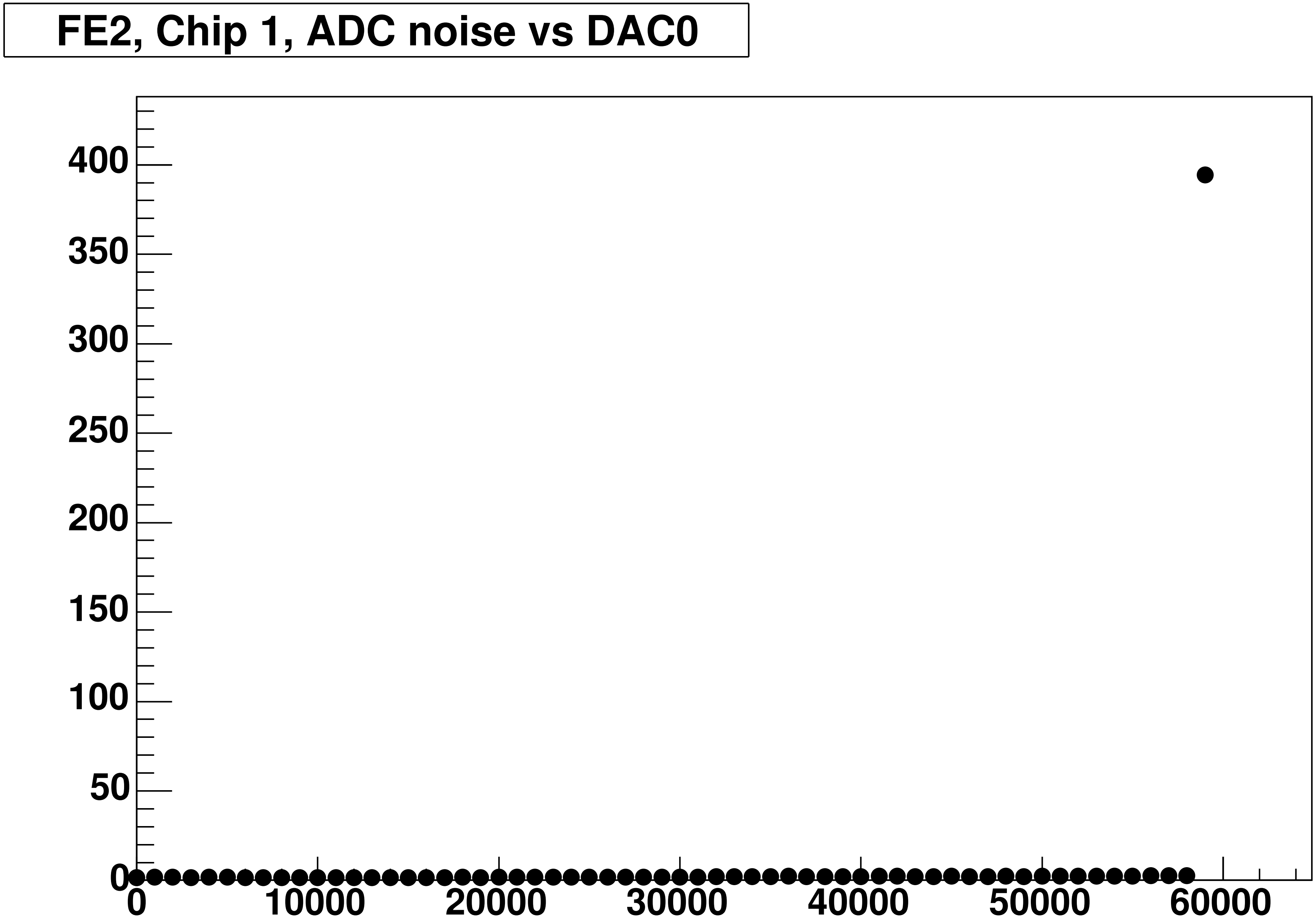
FE2, Chip 0, ADC mean vs DAC1
χ^2 / ndf 28.57 / 57
p0 137.8 ± 0.01281
p1 -1.441e-06 ± 3.74e-07
137.9
137.85
137.8
137.75
137.7
137.65
137.6
0
10000
20000
30000
40000
50000
60000

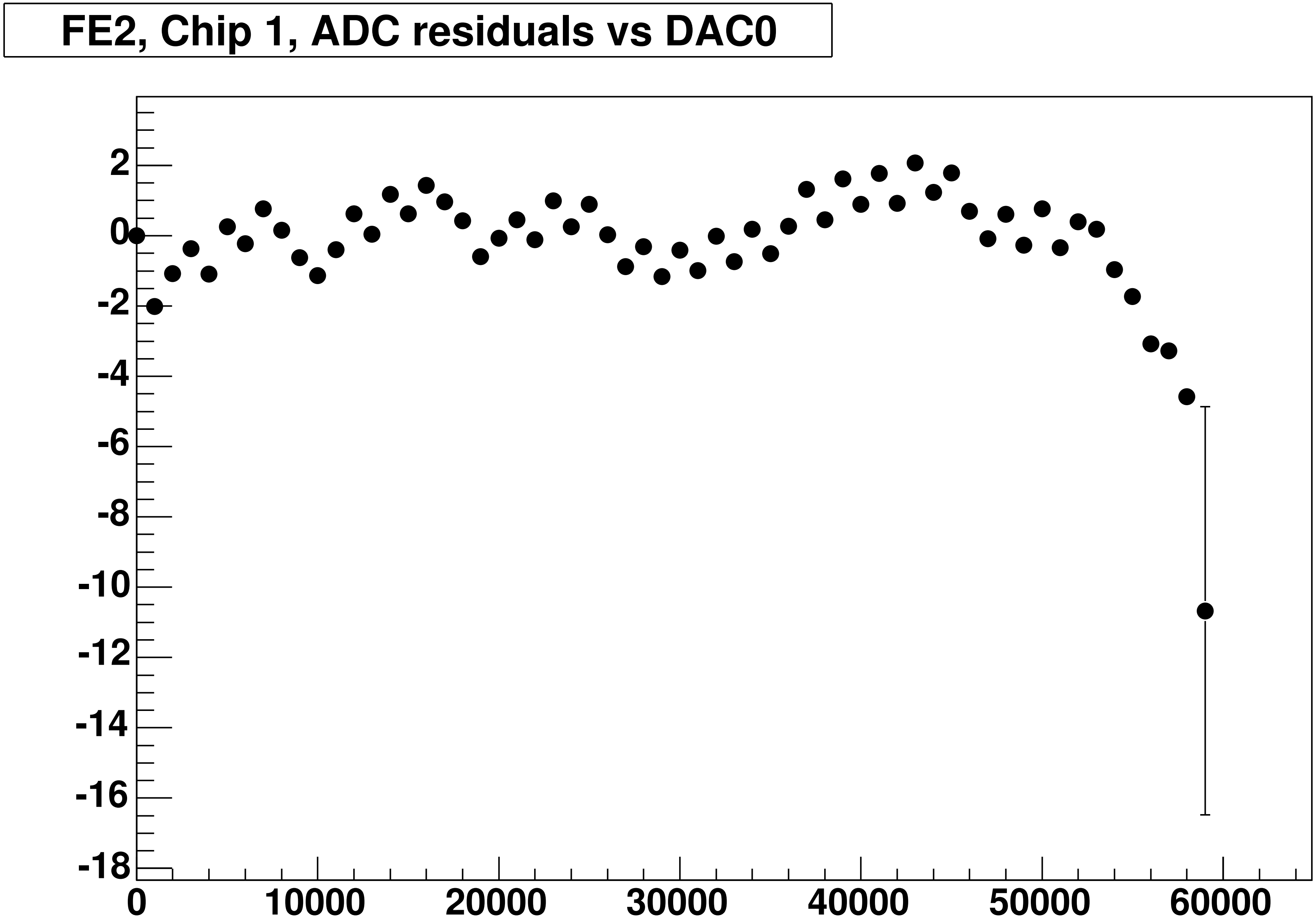
FE2, Chip 0, ADC noise vs DAC1

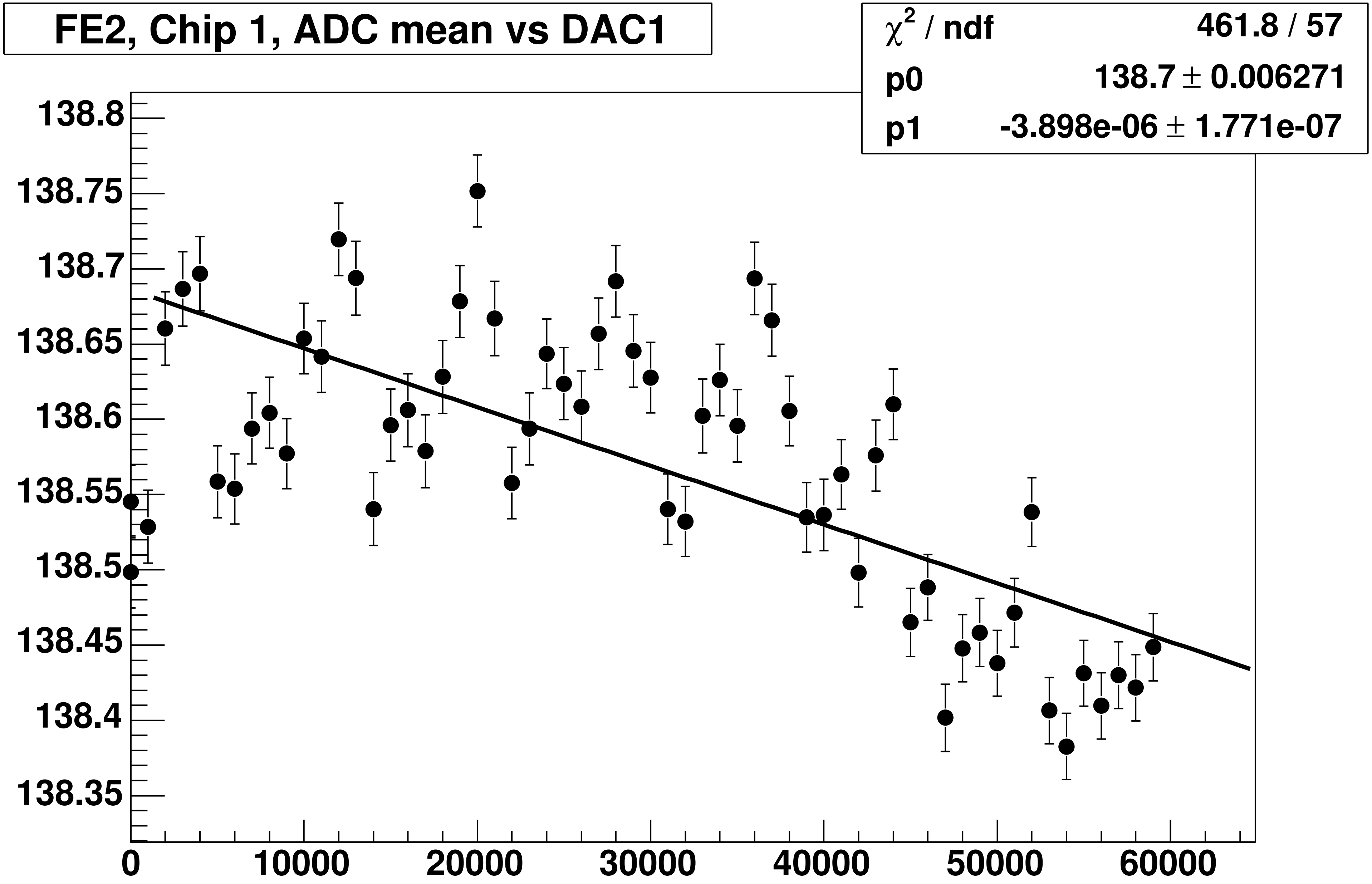


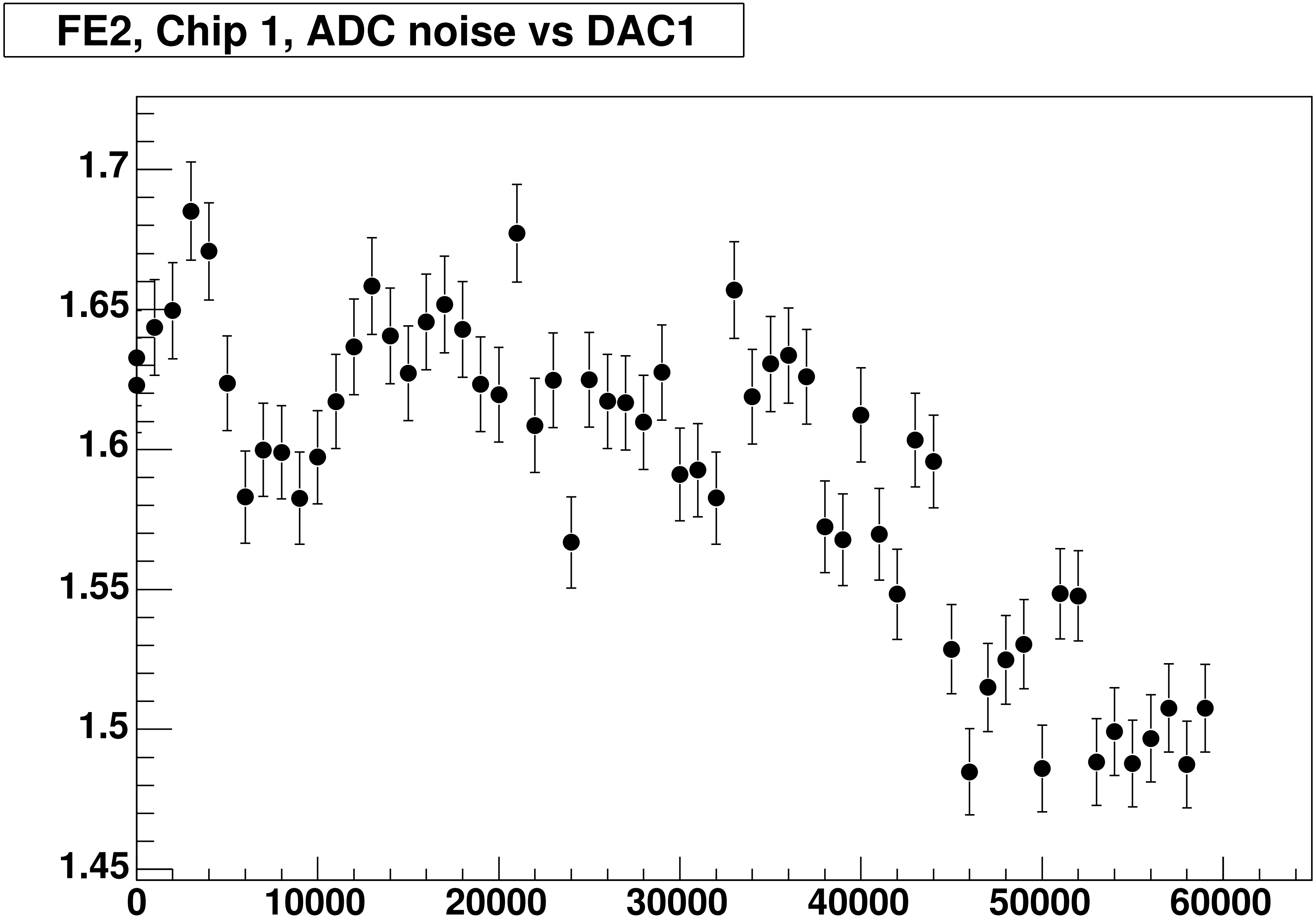

FE2, Chip 0, ADC residuals vs DAC1
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000

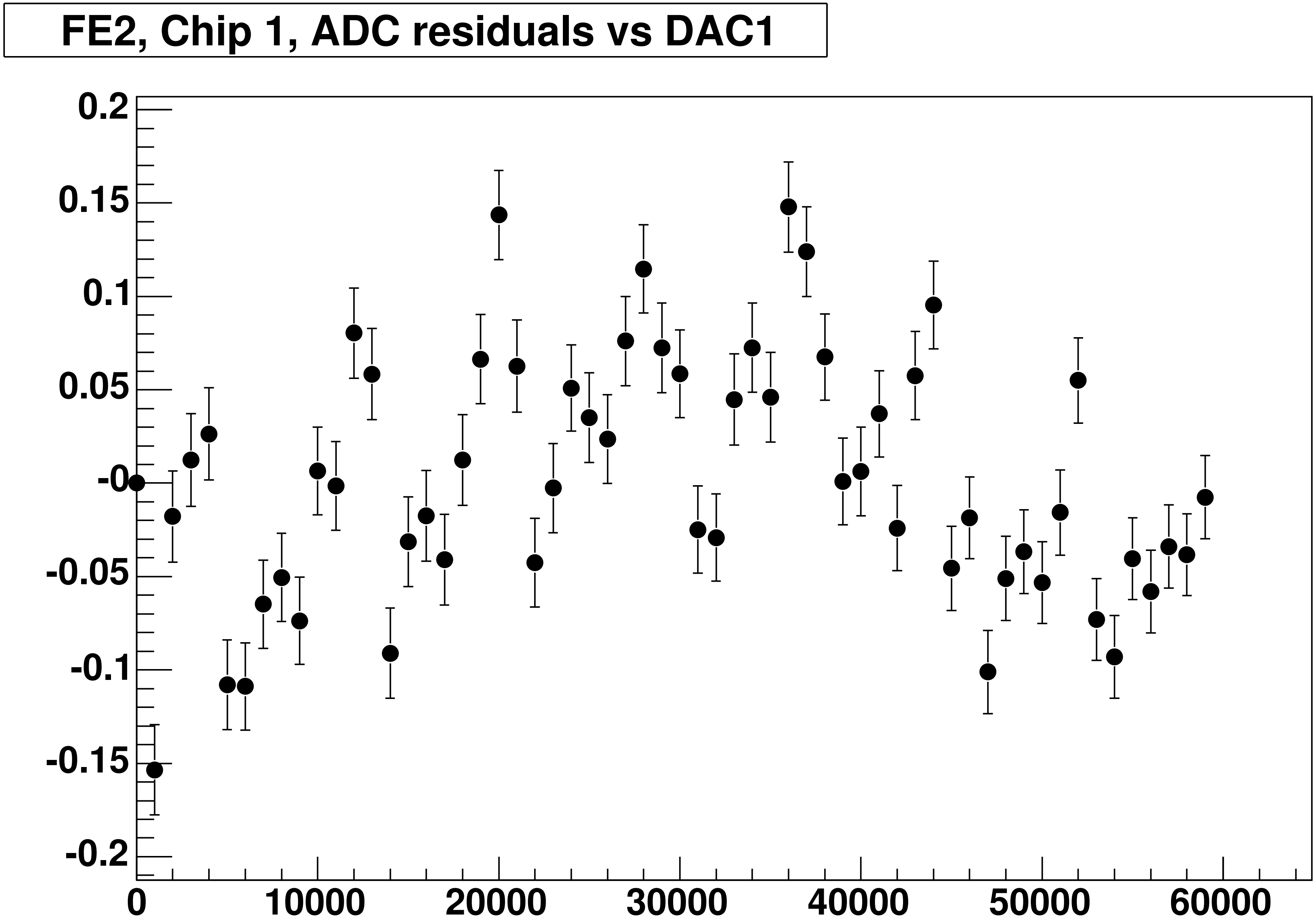

FE2, Chip 1, ADC mean vs DAC0
χ^2 / ndf 8.65e+04 / 57
p0 140.2 ± 0.006728
p1 0.4512 ± 2.279e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2, Chip 1, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

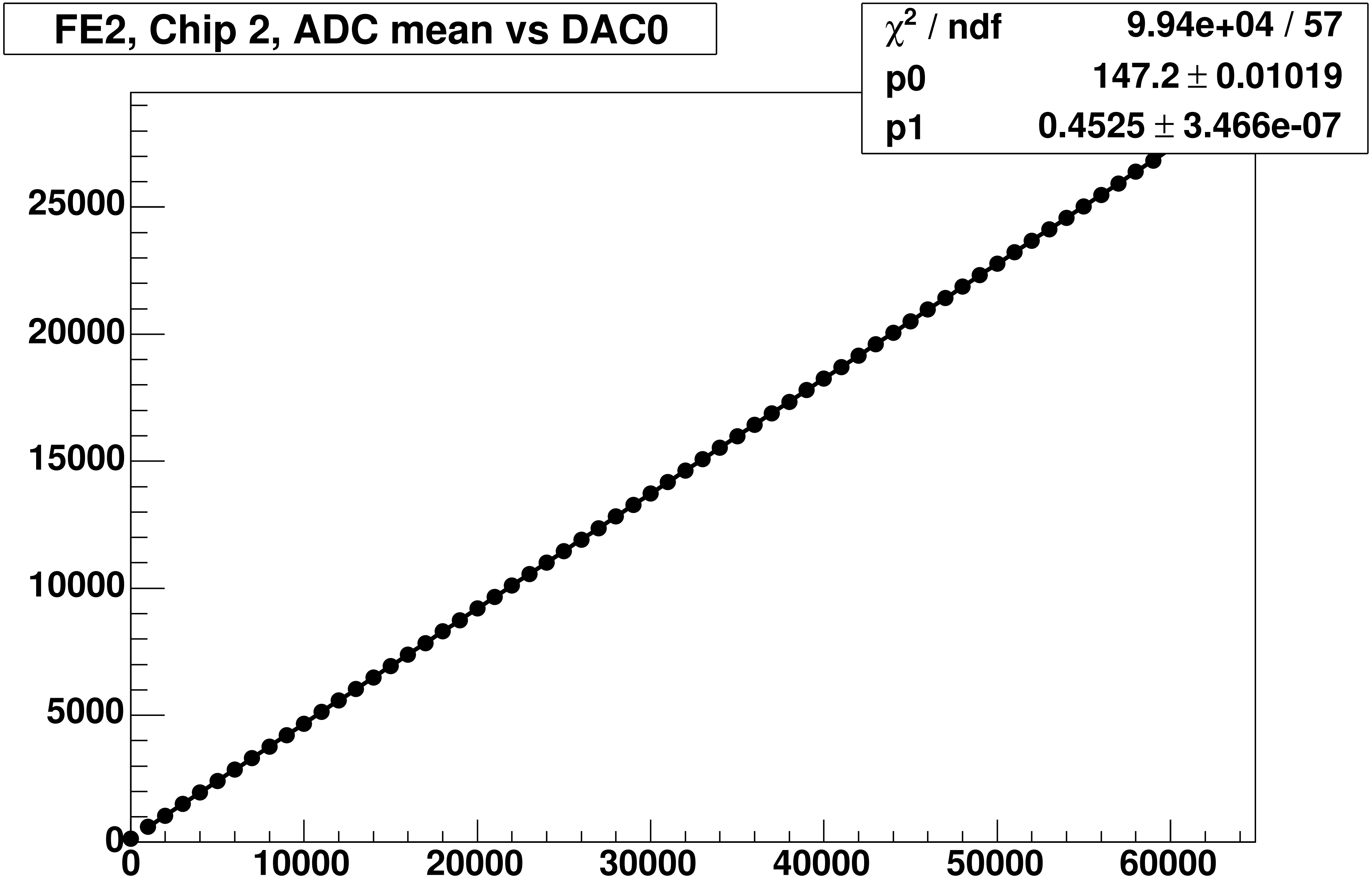

FE2, Chip 1, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
0
10000
20000
30000
40000
50000
60000

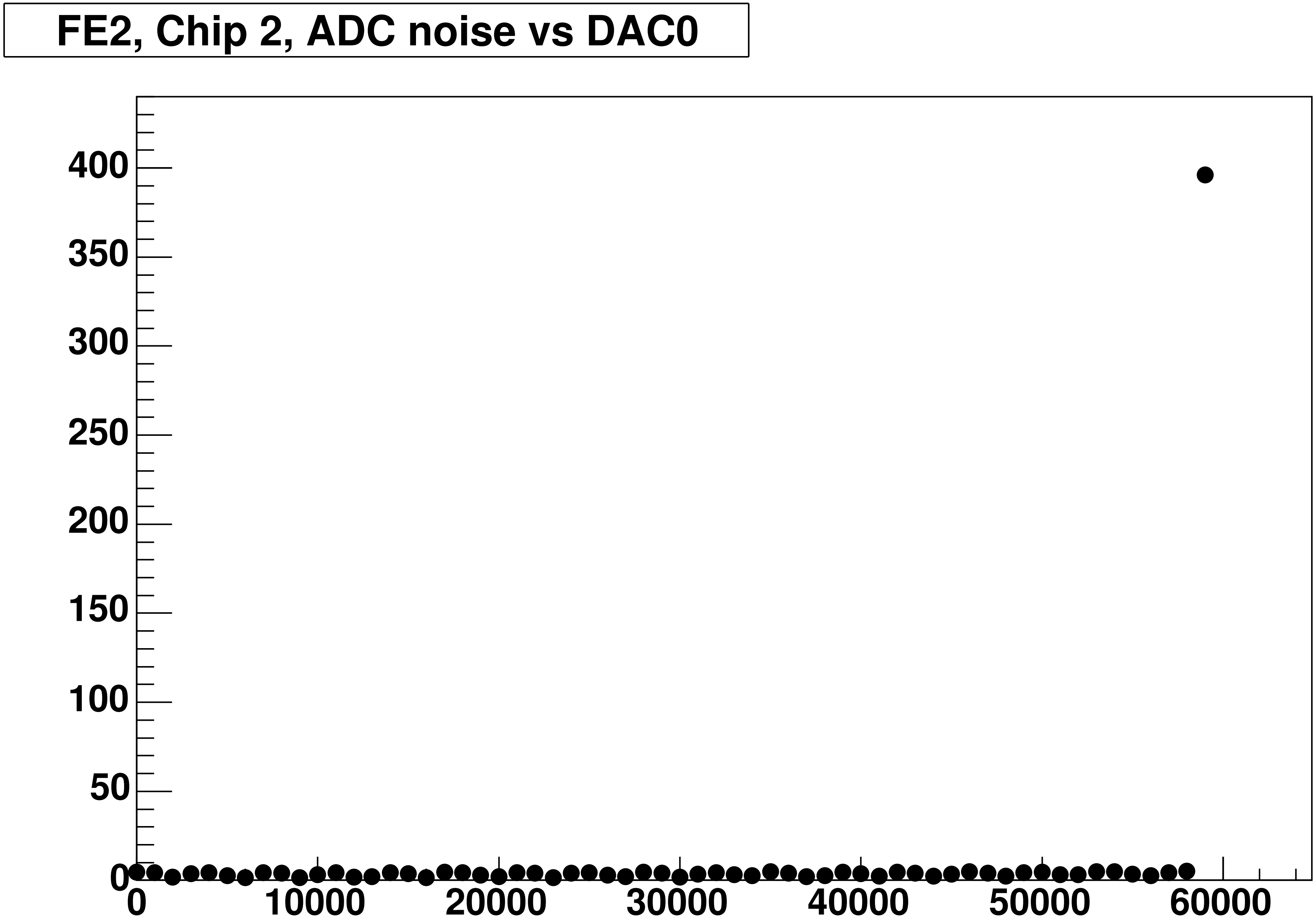

FE2, Chip 1, ADC mean vs DAC1
χ² / ndf 461.8 / 57
p0 138.7 ± 0.006271
p1 -3.898e-06 ± 1.771e-07
138.8
138.75
138.7
138.65
138.6
138.55
138.5
138.45
138.4
138.35
0
10000
20000
30000
40000
50000
60000

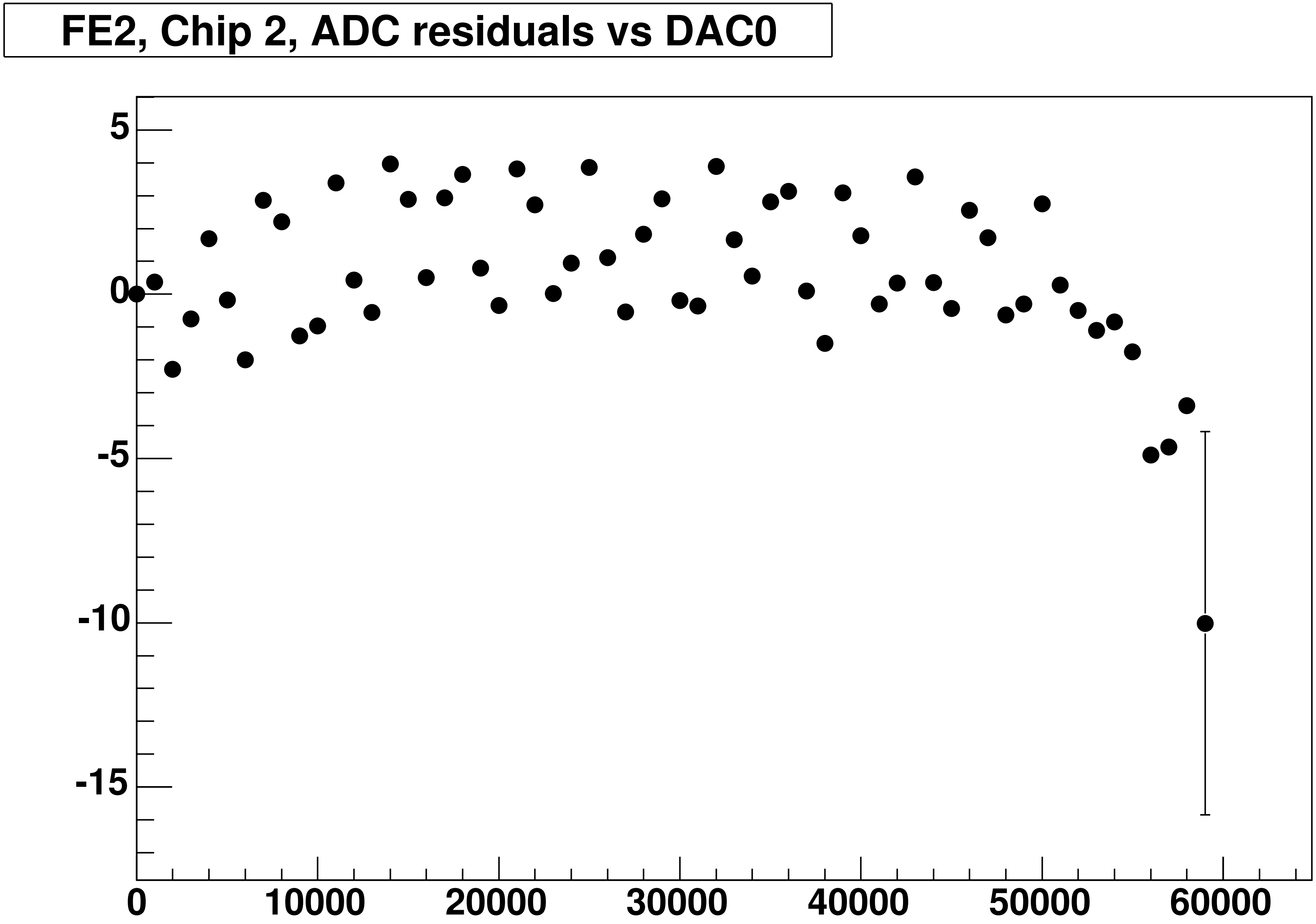

FE2, Chip 1, ADC noise vs DAC1
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

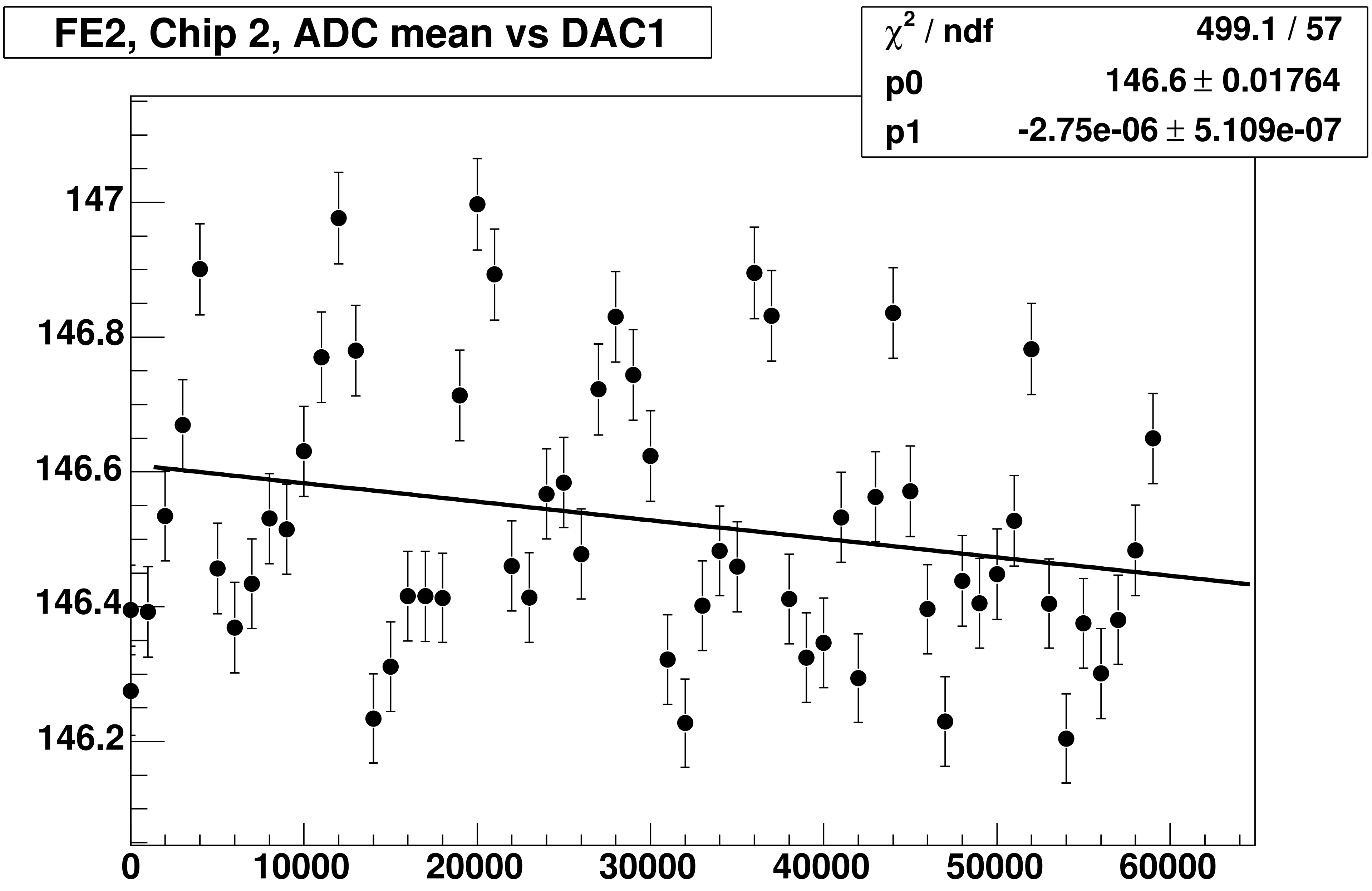


FE2, Chip 1, ADC residuals vs DAC1
0.2
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
0
10000
20000
30000
40000
50000
60000

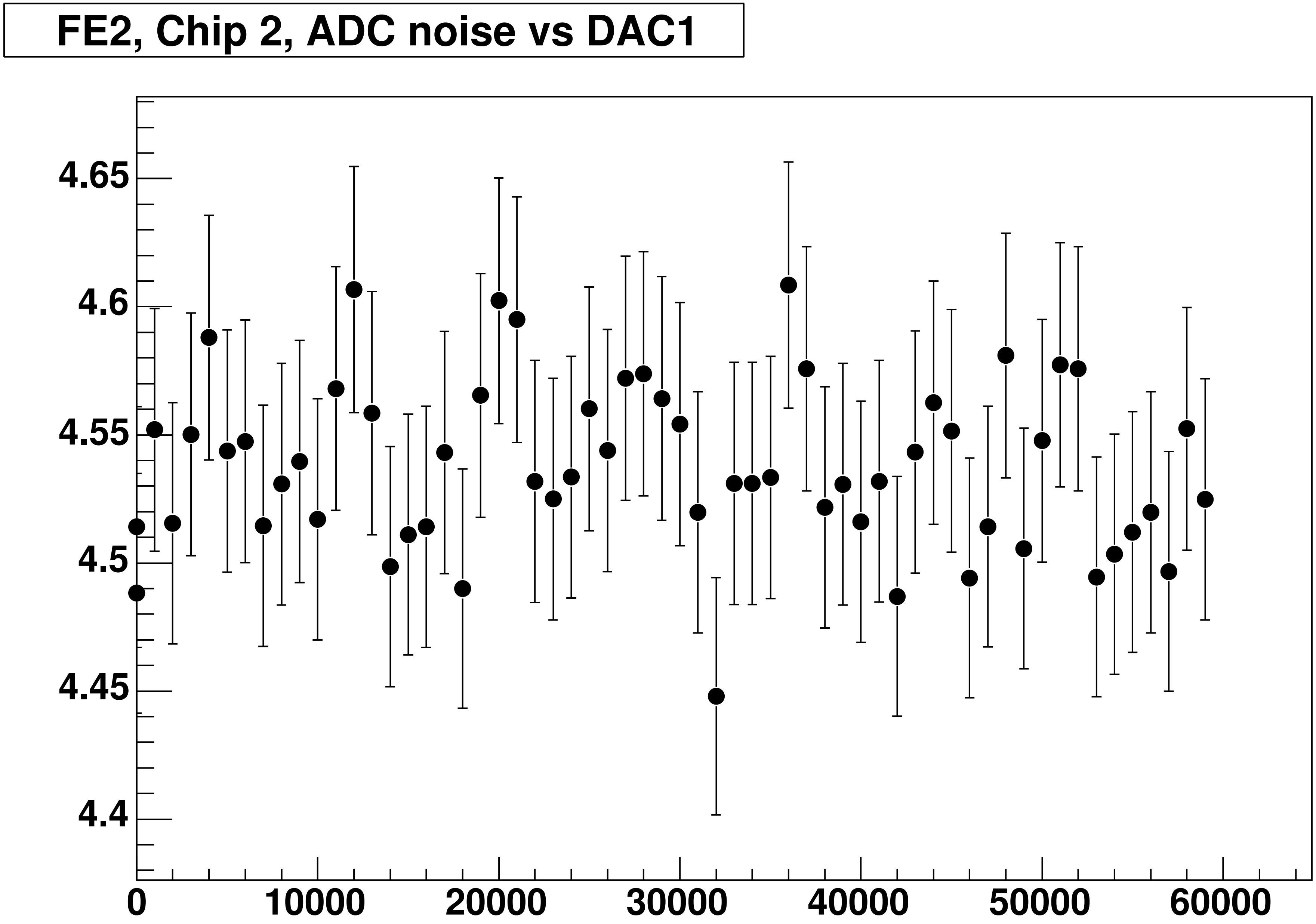

FE2, Chip 2, ADC mean vs DAC0
χ^2 / ndf 9.94e+04 / 57
p0 147.2 ± 0.01019
p1 0.4525 ± 3.466e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 2, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

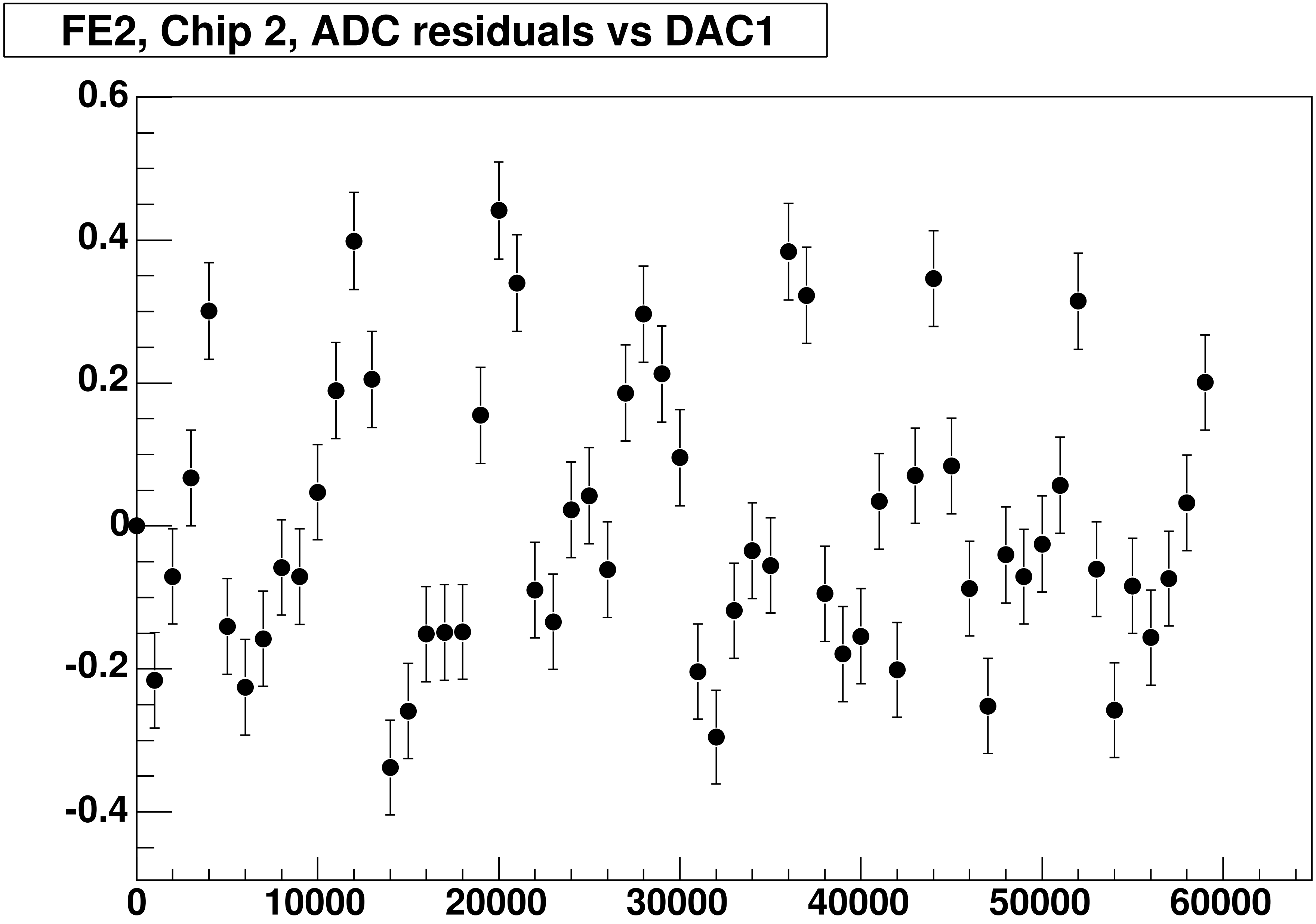

FE2, Chip 2, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

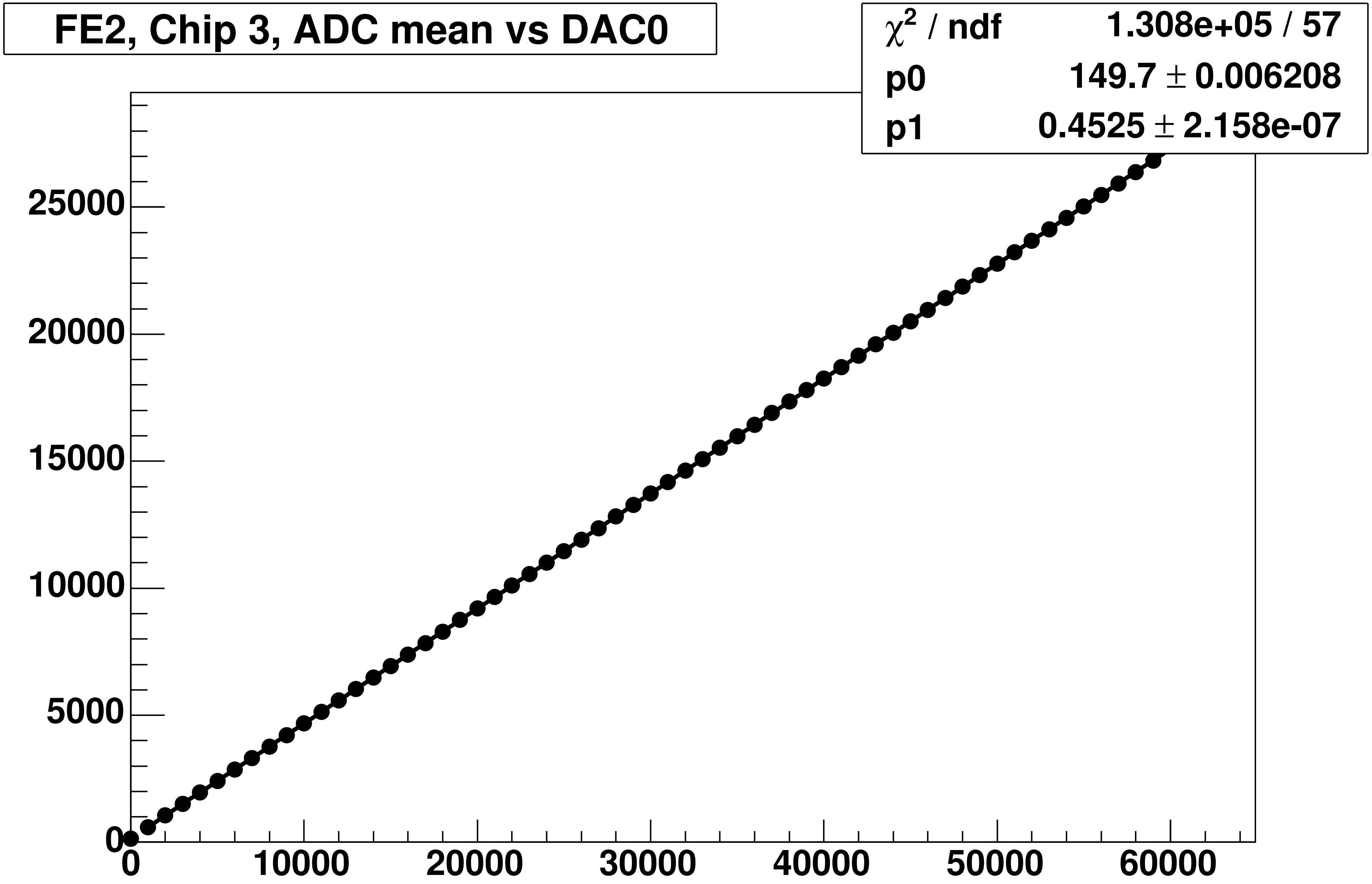


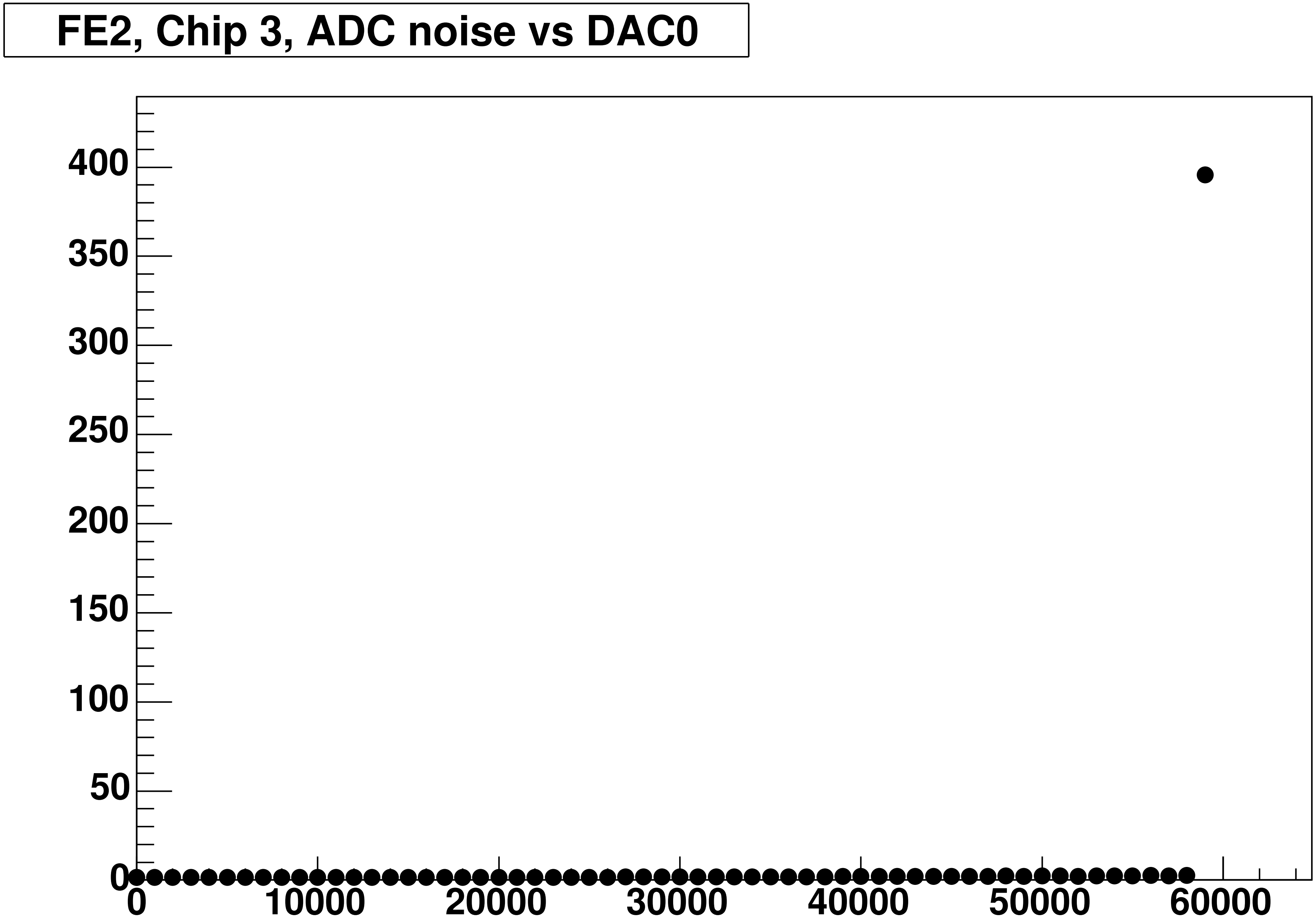
FE2, Chip 2, ADC mean vs DAC1
χ^2 / ndf 499.1 / 57
p0 146.6 ± 0.01764
p1 -2.75e-06 ± 5.109e-07
147
146.8
146.6
146.4
146.2
0
10000
20000
30000
40000
50000
60000

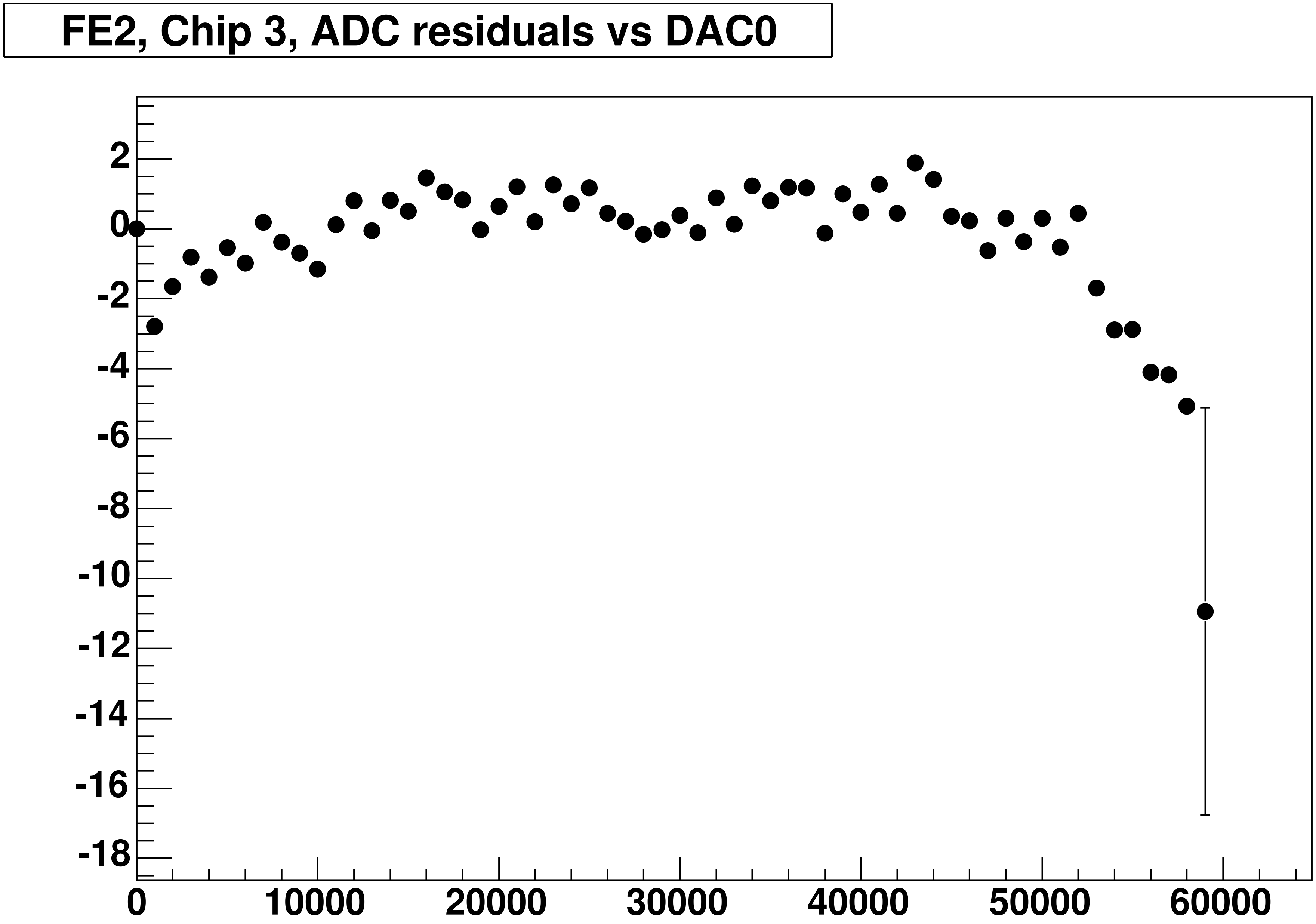


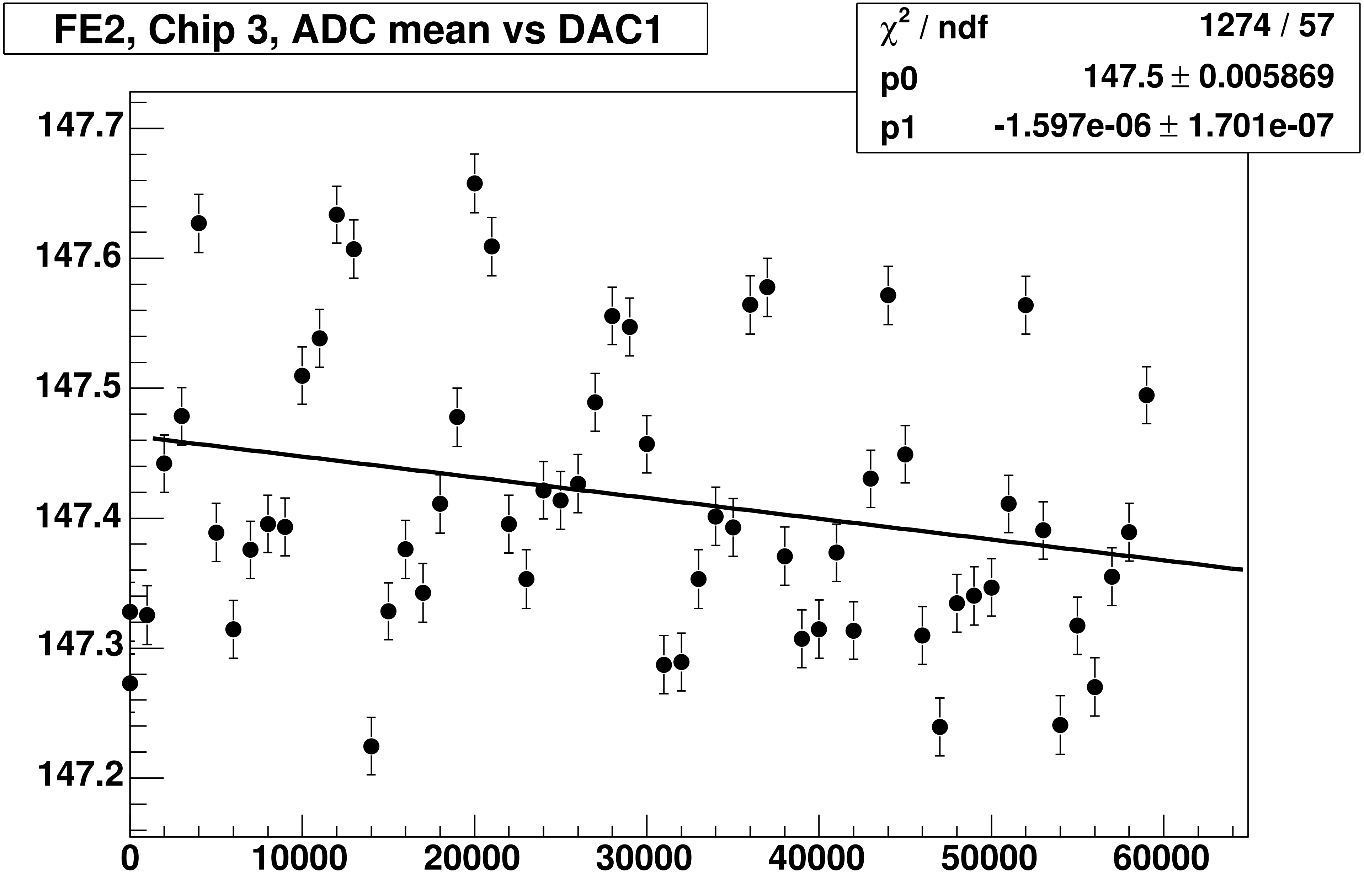
FE2, Chip 2, ADC noise vs DAC1
4.65
4.6
4.55
4.5
4.45
4.4
0
10000
20000
30000
40000
50000
60000

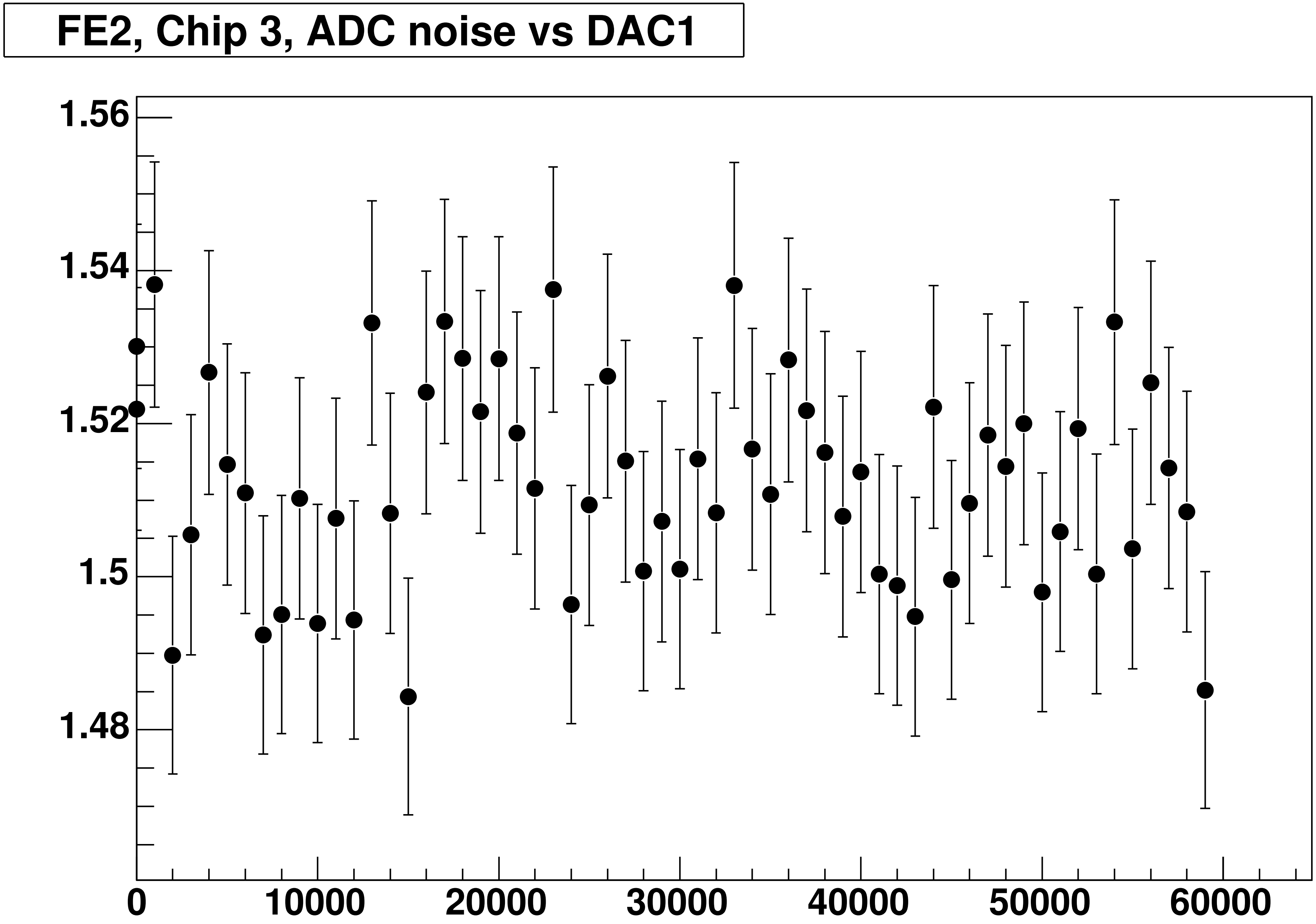

FE2, Chip 2, ADC residuals vs DAC1
0.6
0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
60000


FE2, Chip 3, ADC mean vs DAC0
χ^2 / ndf 1.308e+05 / 57
p0 149.7 ± 0.006208
p1 0.4525 ± 2.158e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

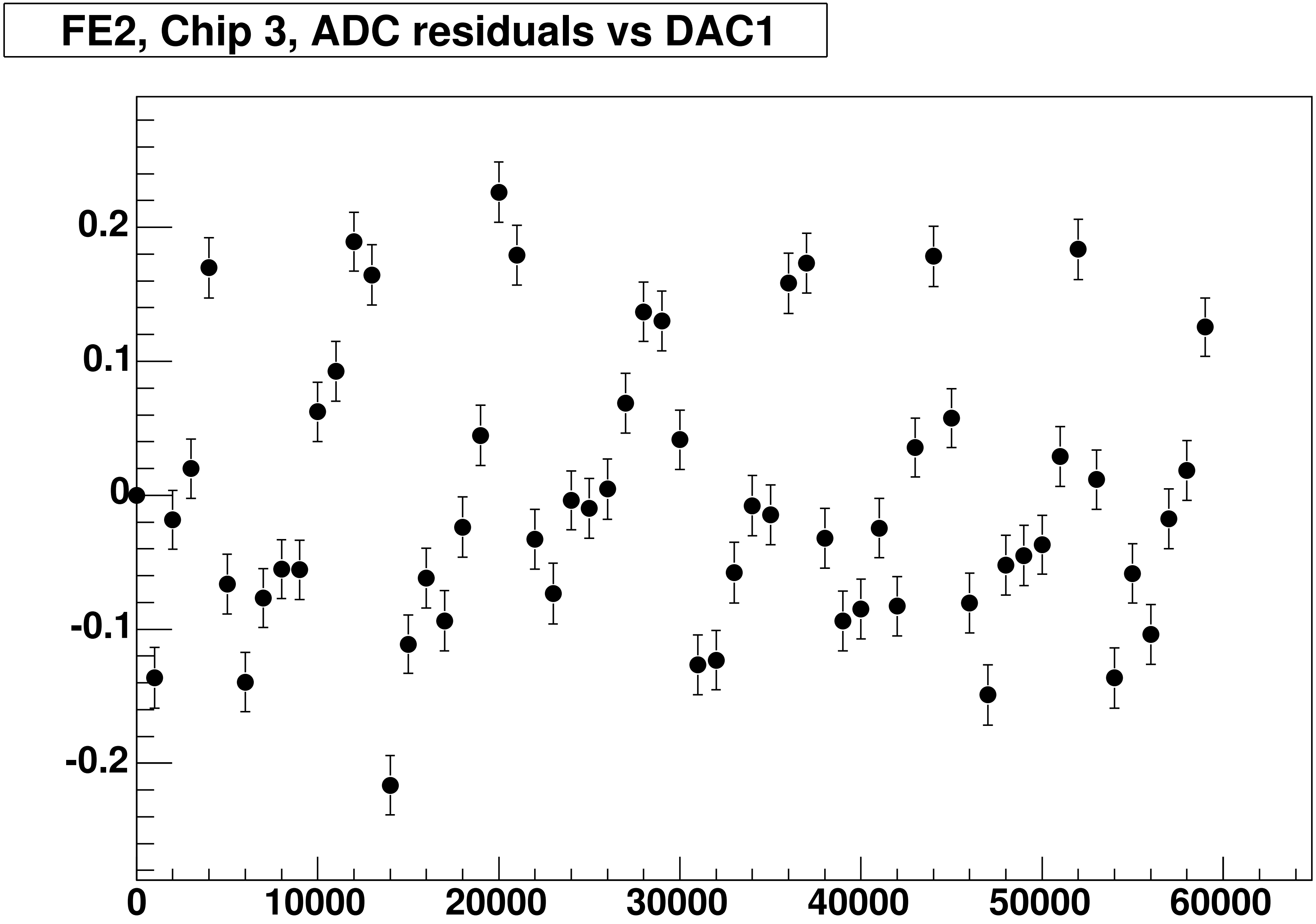

FE2, Chip 3, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

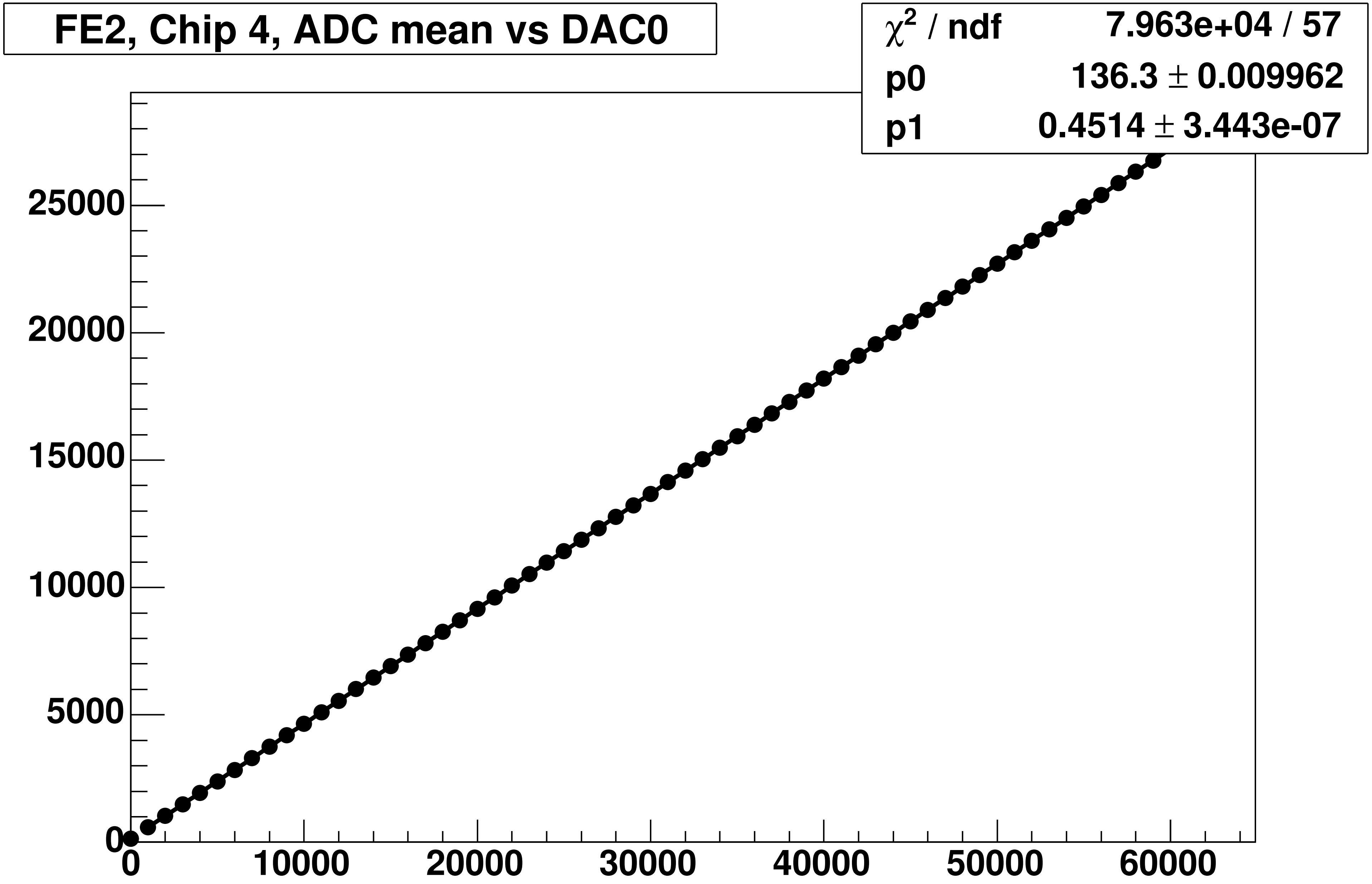

FE2, Chip 3, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
0
10000
20000
30000
40000
50000
60000

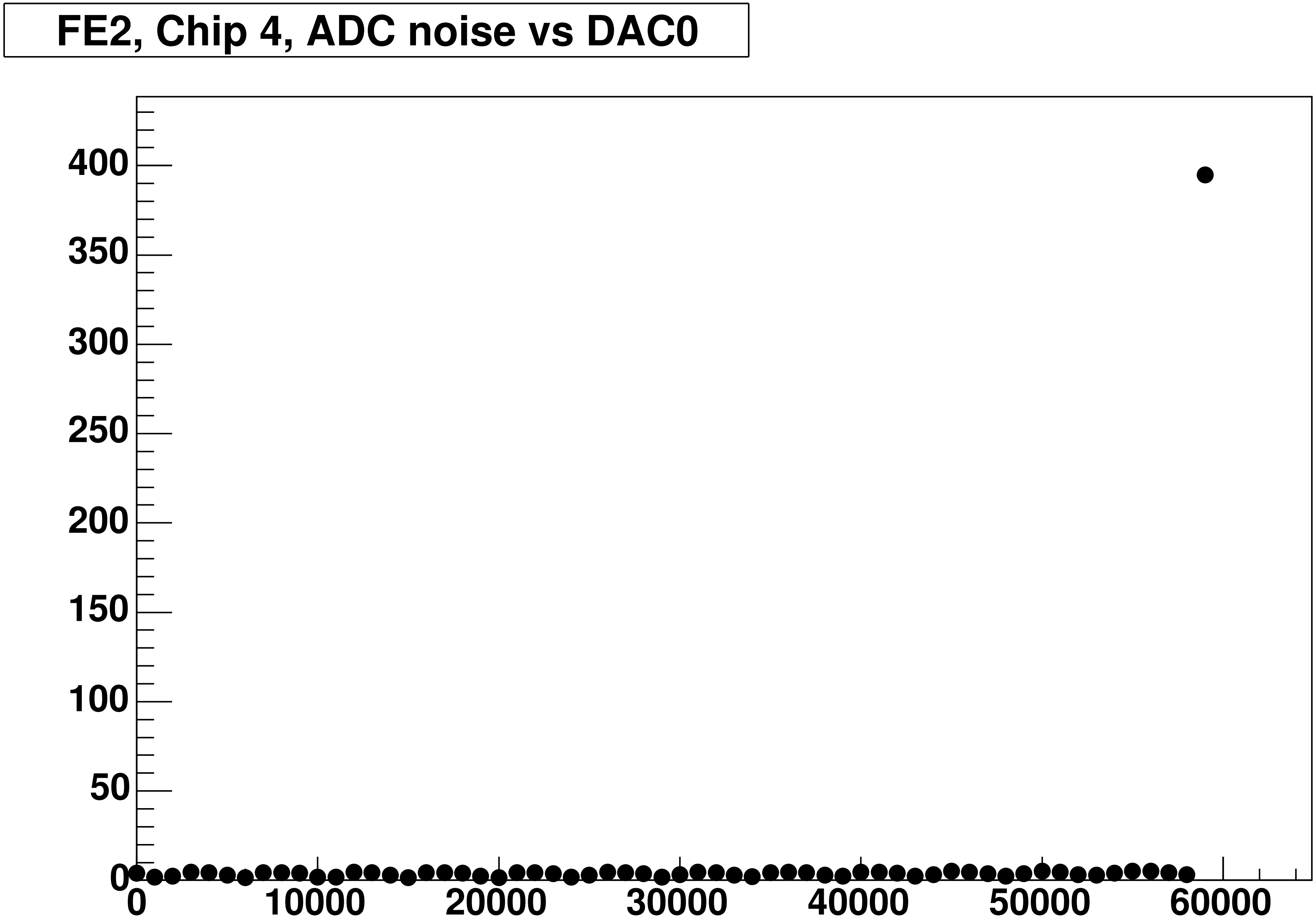

FE2, Chip 3, ADC mean vs DAC1
χ^2 / ndf 1274 / 57
p0 147.5 ± 0.005869
p1 -1.597e-06 ± 1.701e-07
147.7
147.6
147.5
147.4
147.3
147.2
0
10000
20000
30000
40000
50000
60000



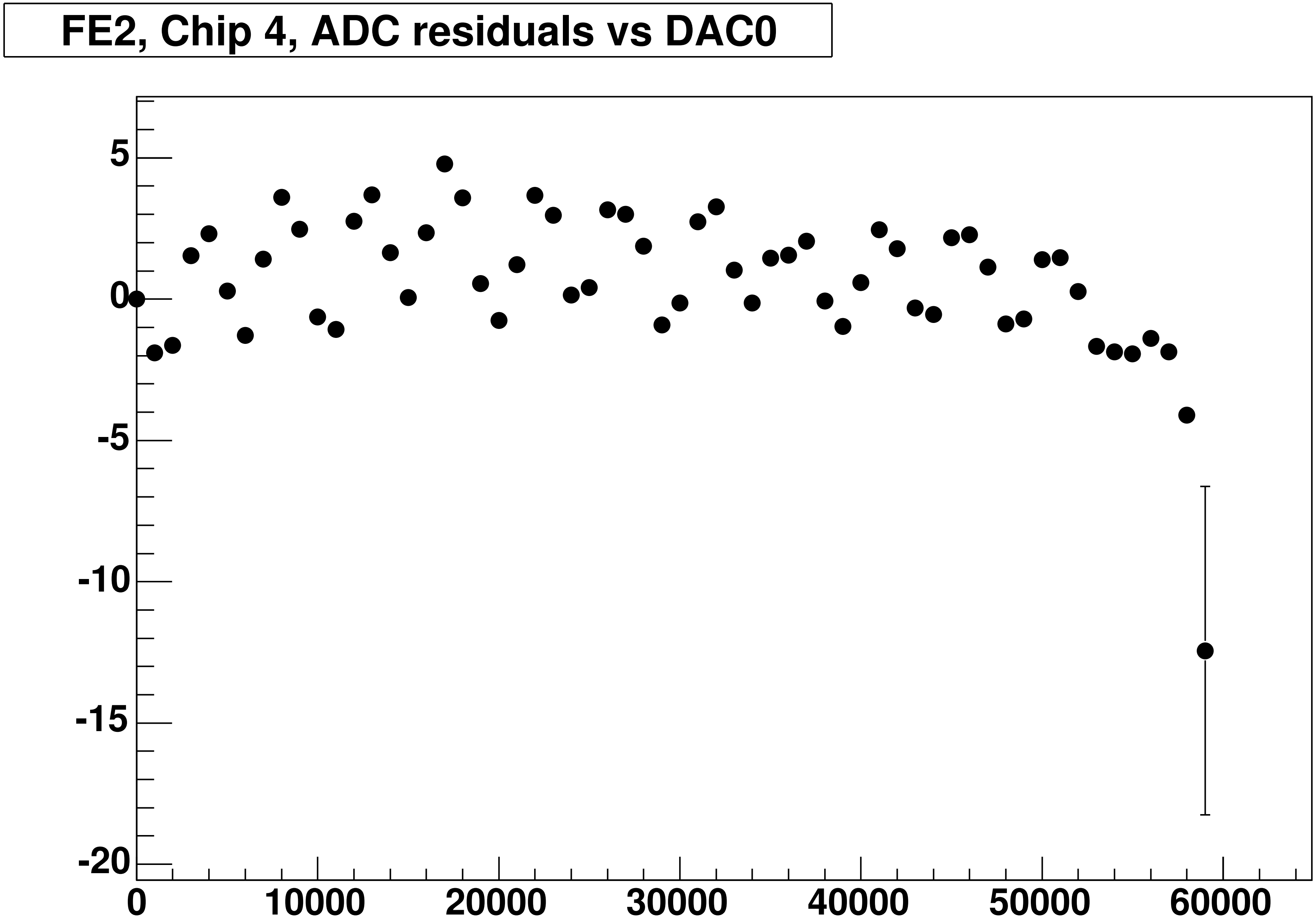
FE2, Chip 3, ADC noise vs DAC1
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

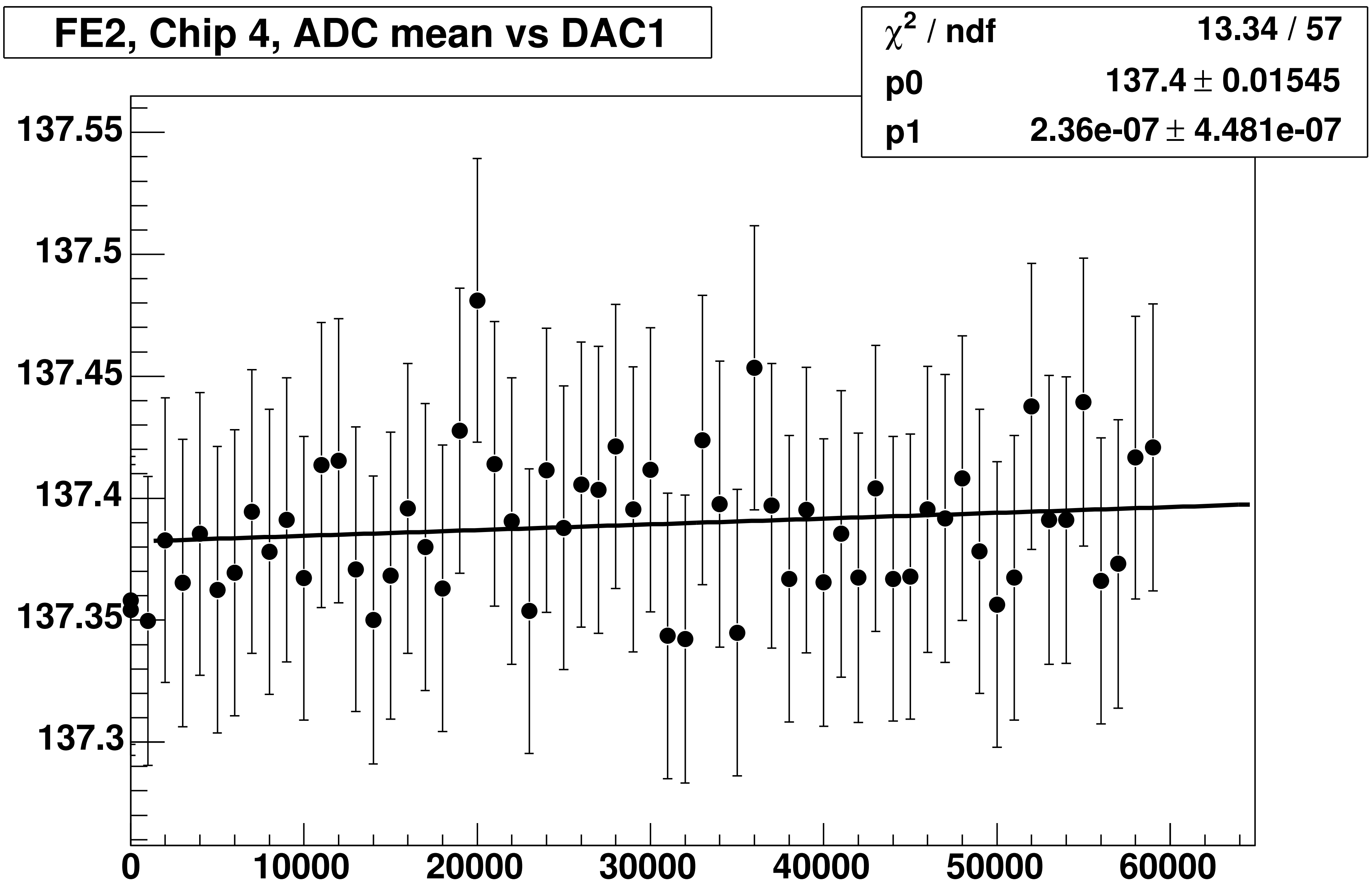

FE2, Chip 3, ADC residuals vs DAC1
0.2
0.1
0
-0.1
-0.2
0
10000
20000
30000
40000
50000
60000

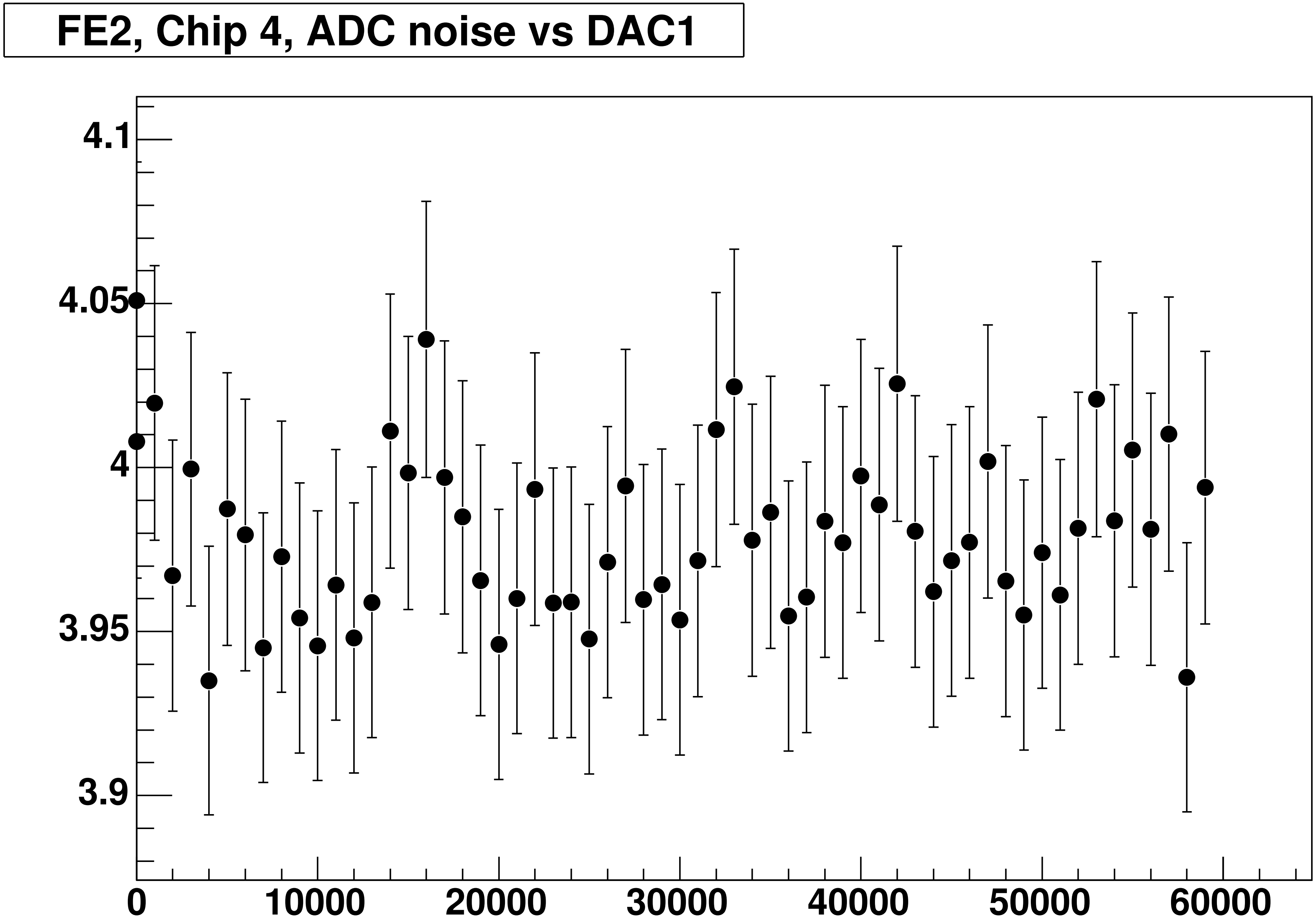

FE2, Chip 4, ADC mean vs DAC0
χ^2 / ndf 7.963e+04 / 57
p0 136.3 ± 0.009962
p1 0.4514 ± 3.443e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

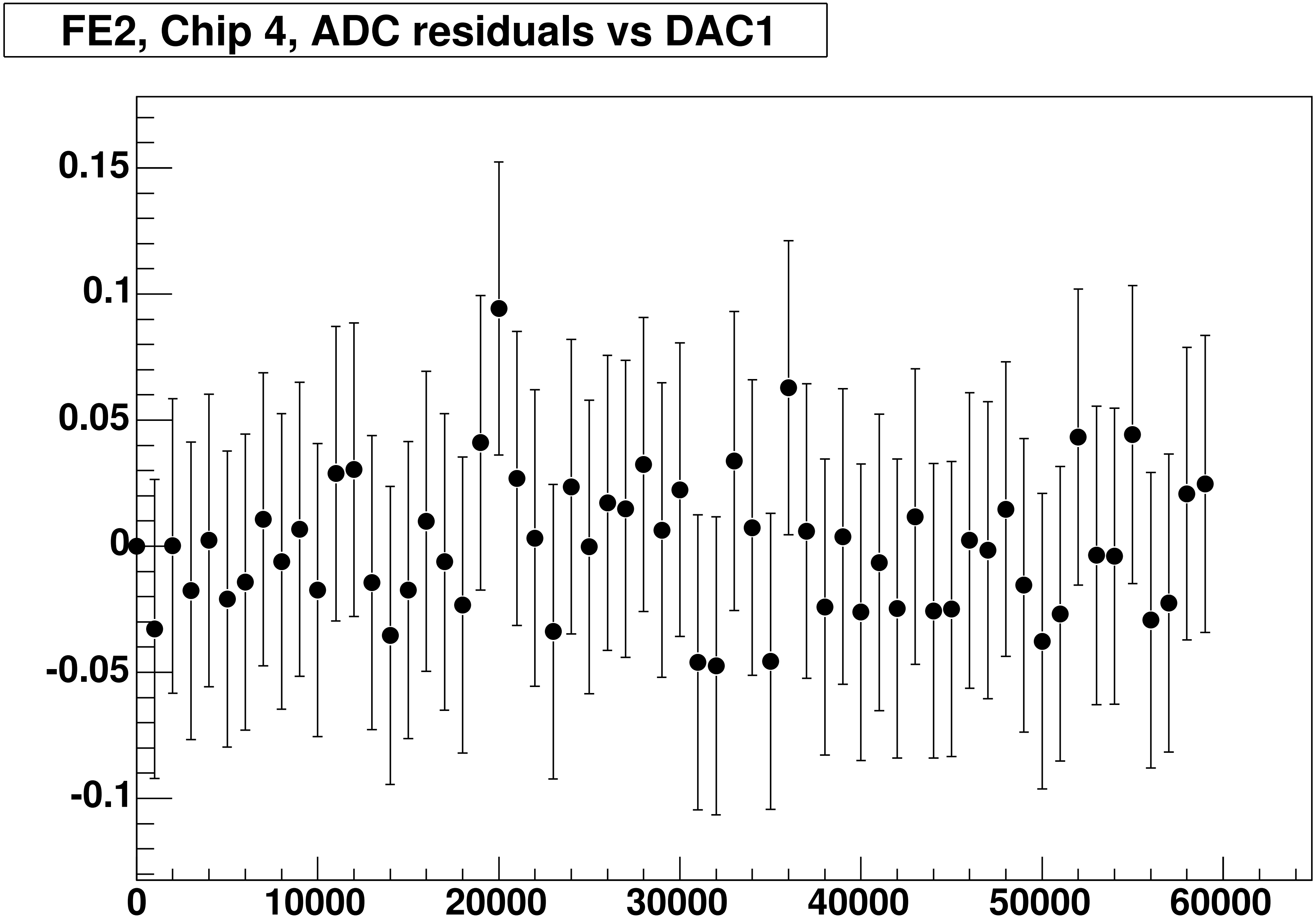


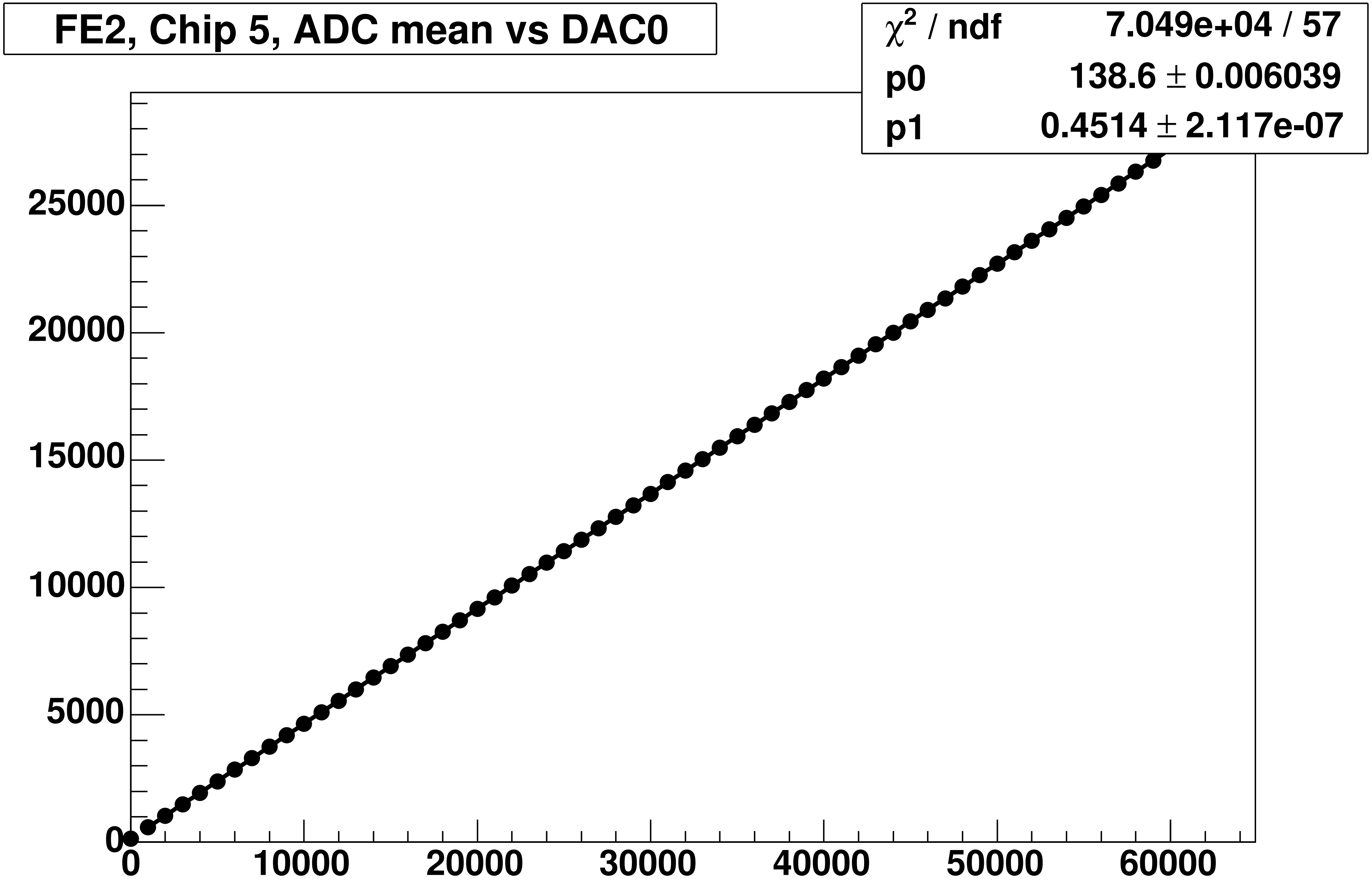
FE2, Chip 4, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000


FE2, Chip 4, ADC residuals vs DAC0
5
0
-5
-10
-15
-20
0
10000
20000
30000
40000
50000
60000

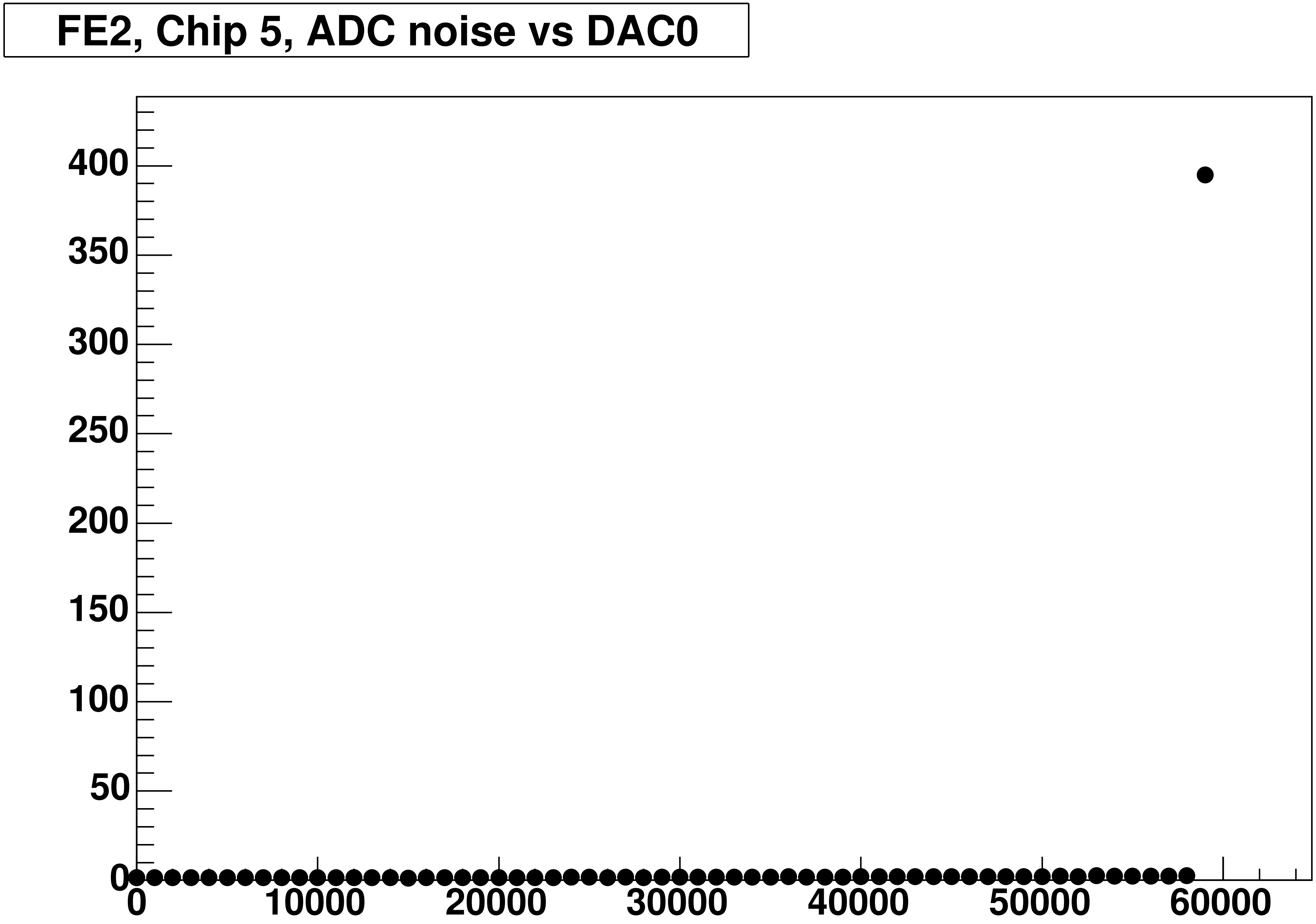

FE2, Chip 4, ADC mean vs DAC1
χ^2 / ndf 13.34 / 57
p0 137.4 ± 0.01545
p1 2.36e-07 ± 4.481e-07
137.55
137.5
137.45
137.4
137.35
137.3
0
10000
20000
30000
40000
50000
60000


FE2, Chip 4, ADC noise vs DAC1
4.1
4.05
4
3.95
3.9
0
10000
20000
30000
40000
50000
60000

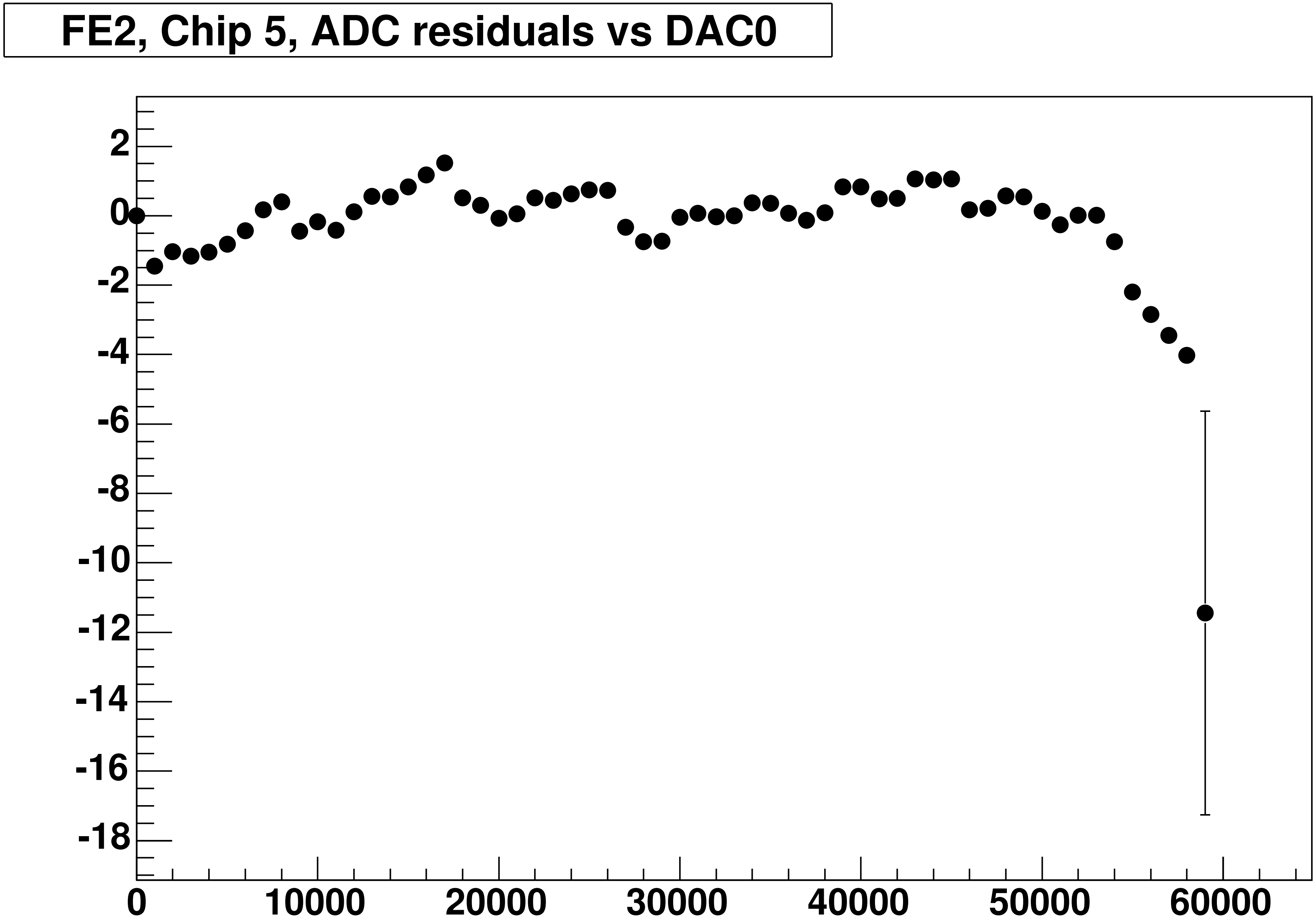

FE2, Chip 4, ADC residuals vs DAC1
0.15
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000



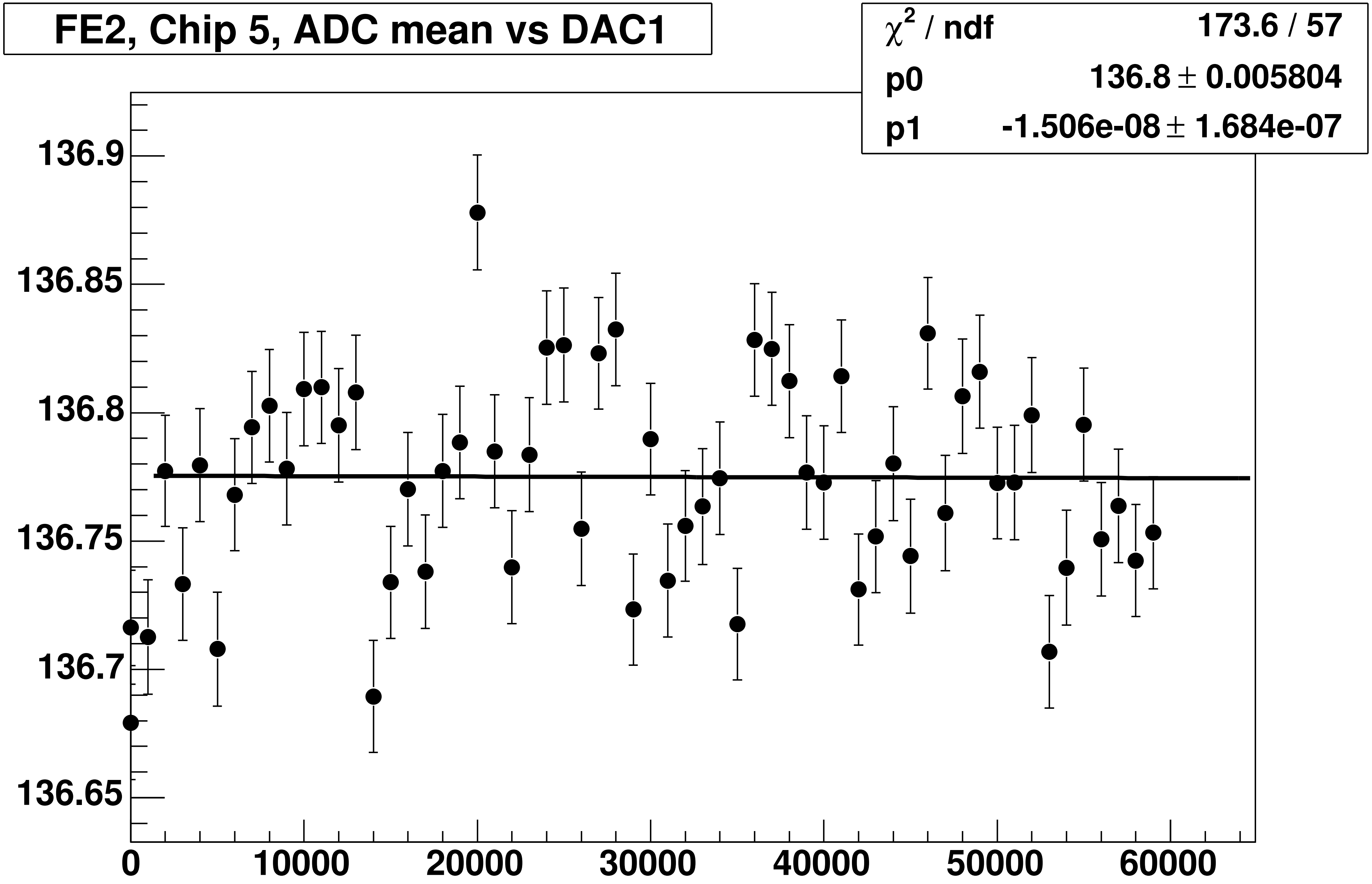
FE2, Chip 5, ADC mean vs DAC0
χ^2 / ndf 7.049e+04 / 57
p0 138.6 ± 0.006039
p1 0.4514 ± 2.117e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



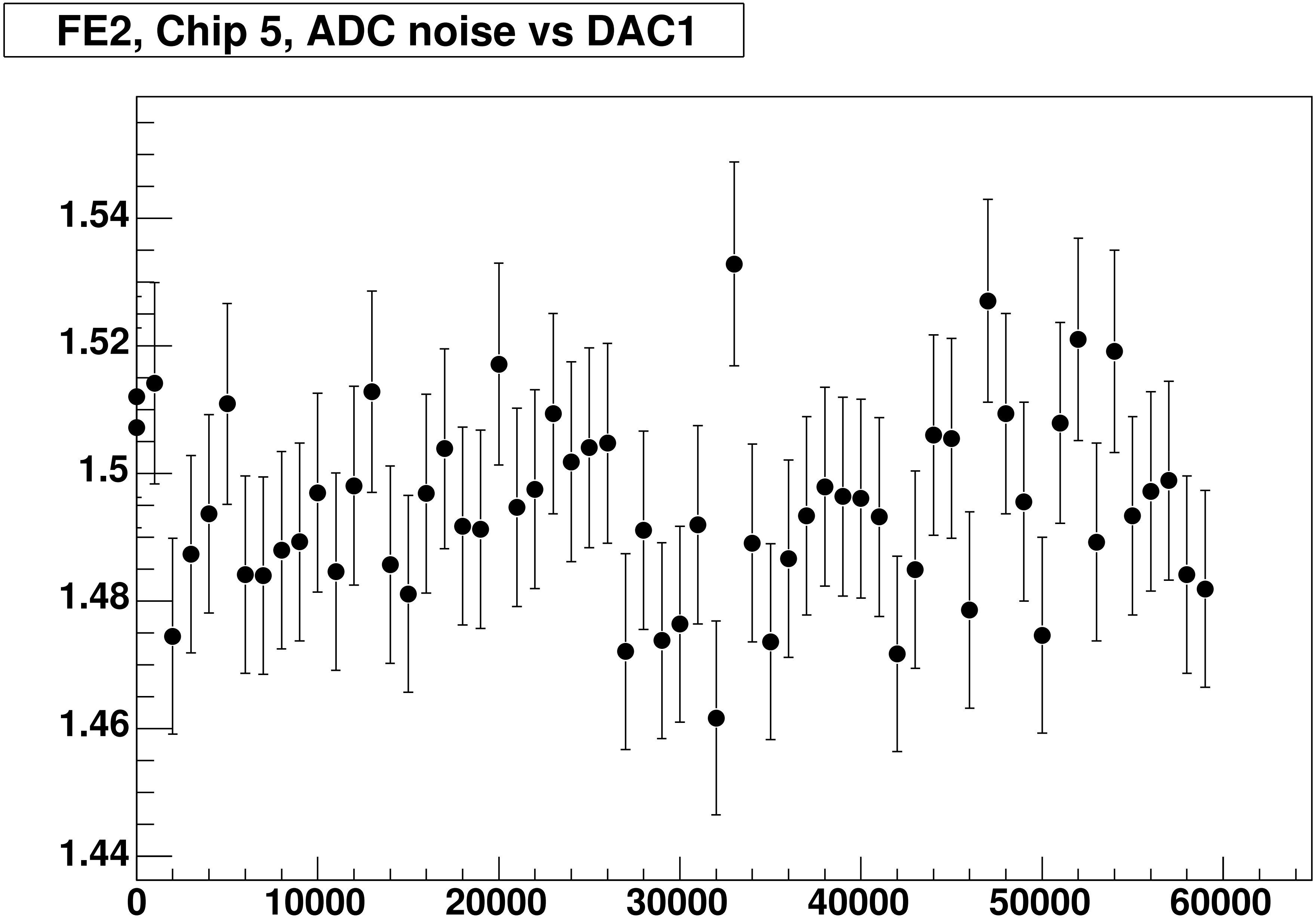
FE2, Chip 5, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

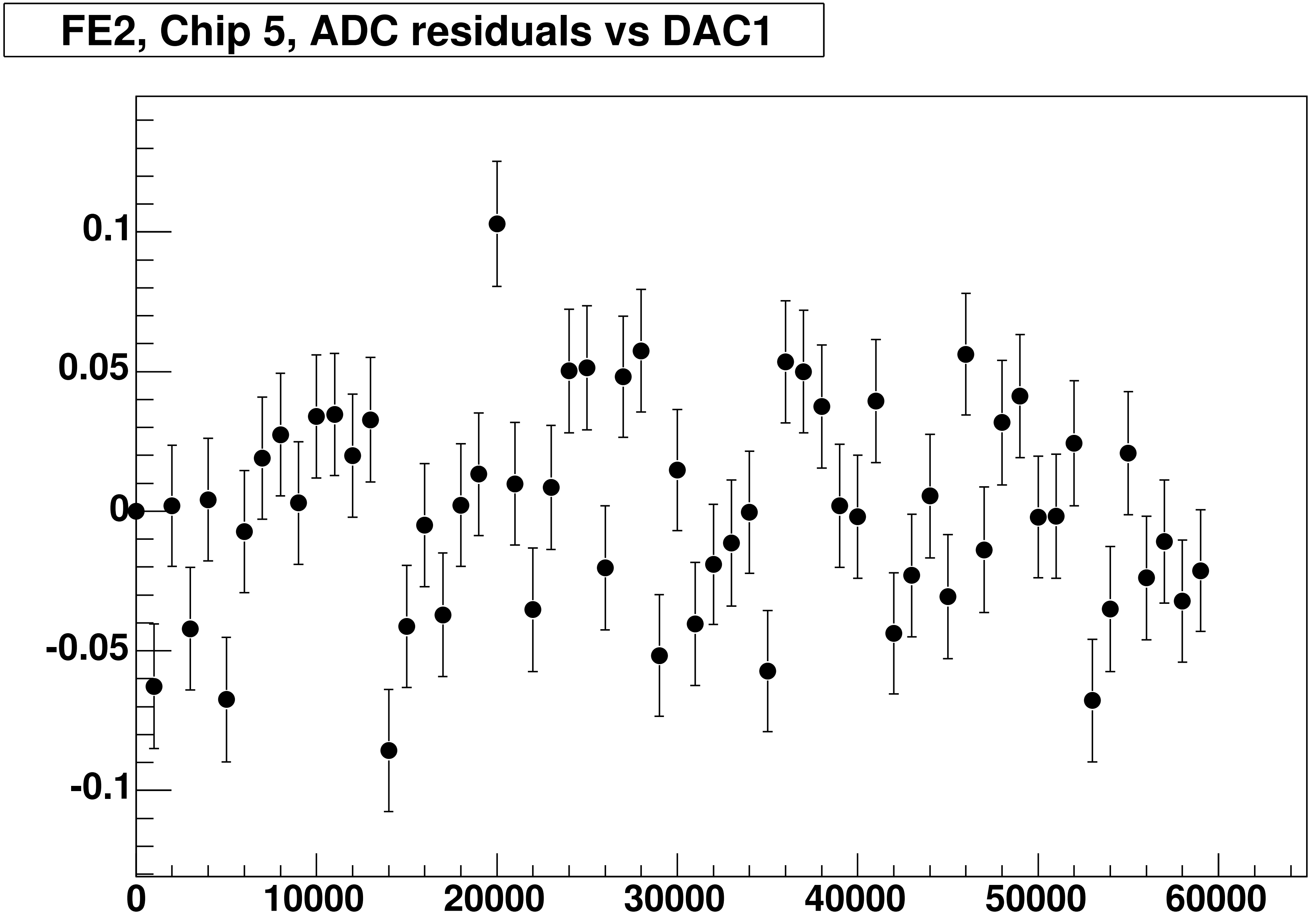


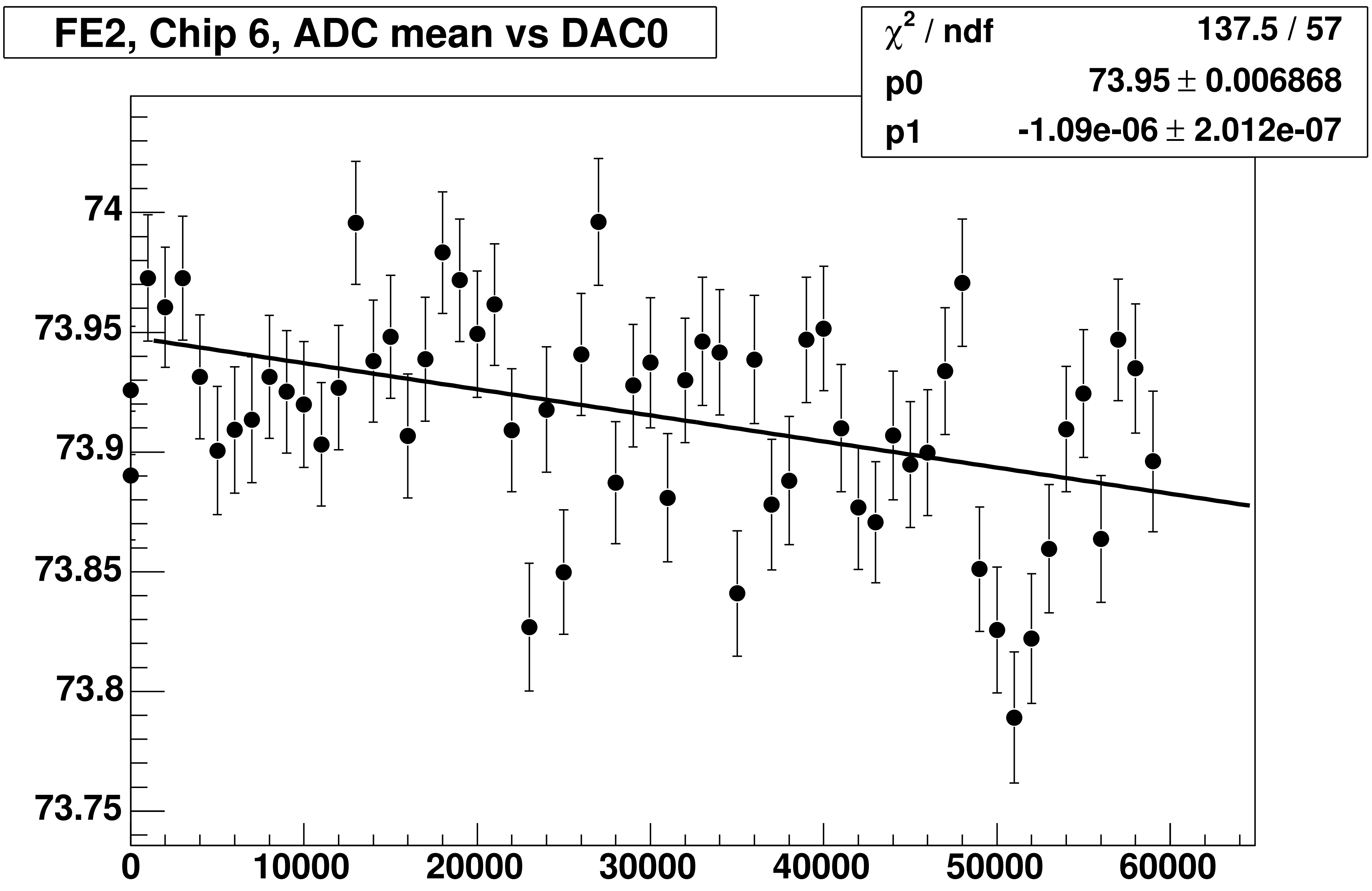
FE2, Chip 5, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
0
10000
20000
30000
40000
50000
60000



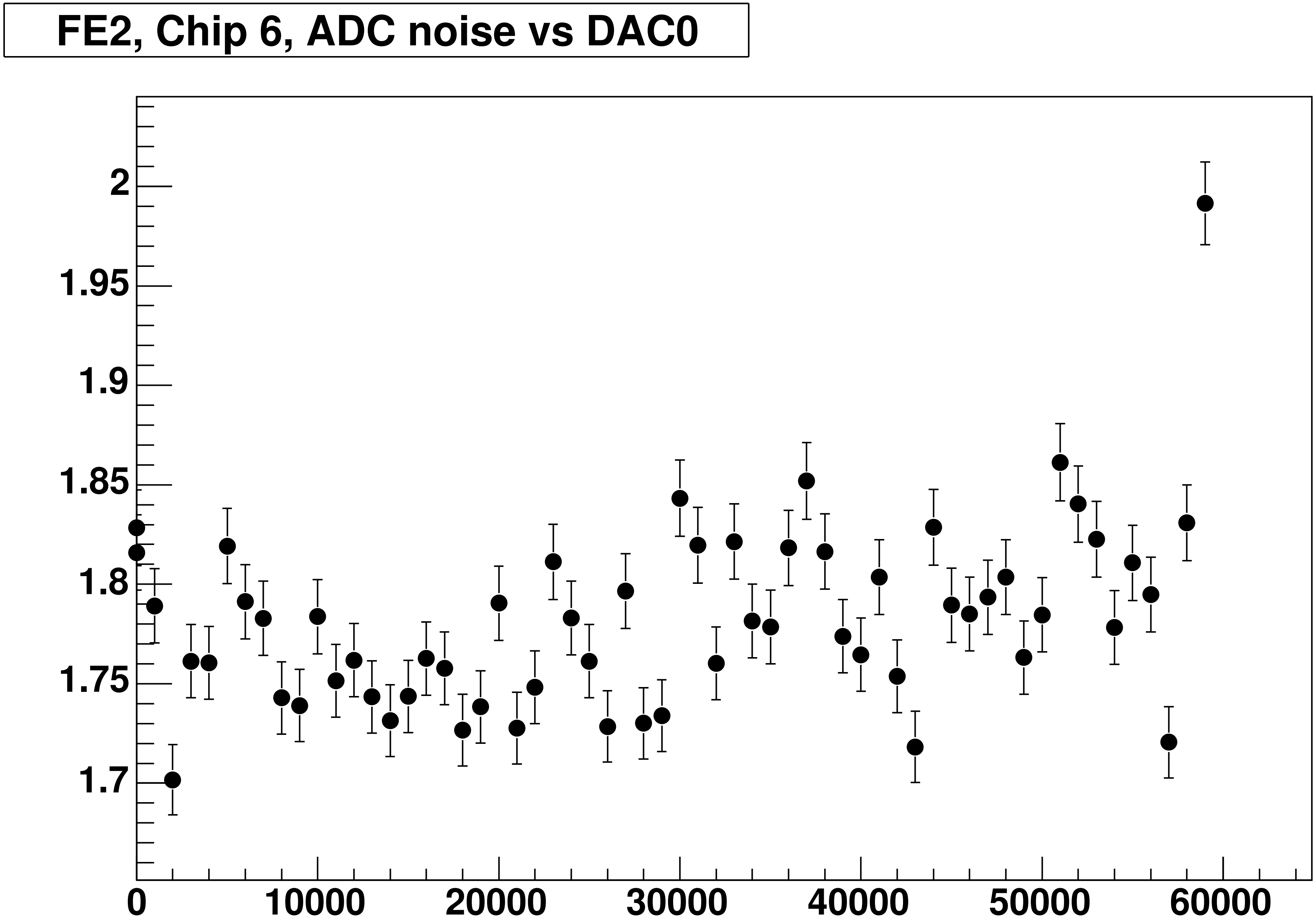
FE2, Chip 5, ADC mean vs DAC1
χ² / ndf 173.6 / 57
p0 136.8 ± 0.005804
p1 -1.506e-08 ± 1.684e-07
136.9
136.85
136.8
136.75
136.7
136.65
0
10000
20000
30000
40000
50000
60000

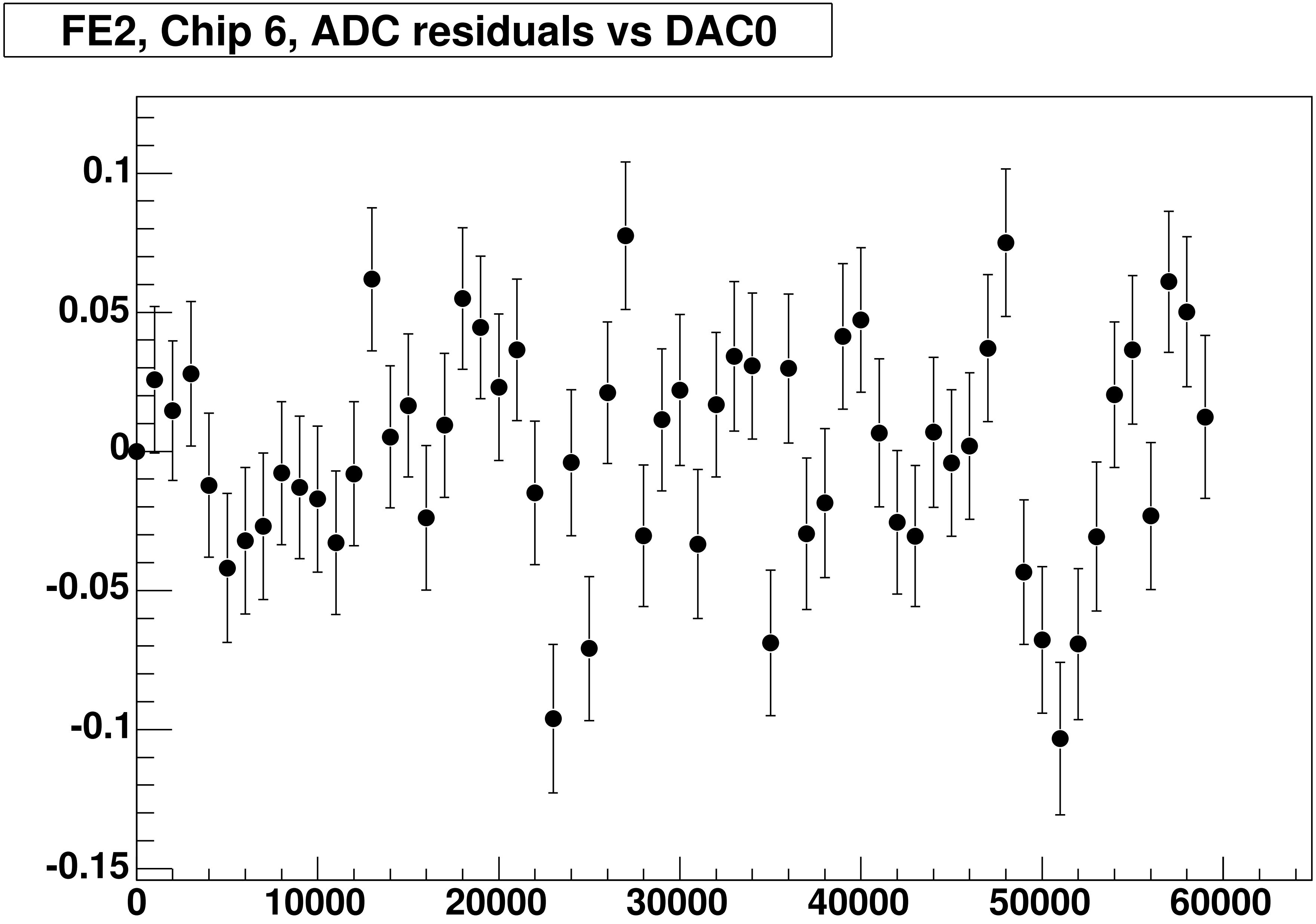

FE2, Chip 5, ADC noise vs DAC1
1.44
1.46
1.48
1.5
1.52
1.54
0
10000
20000
30000
40000
50000
60000

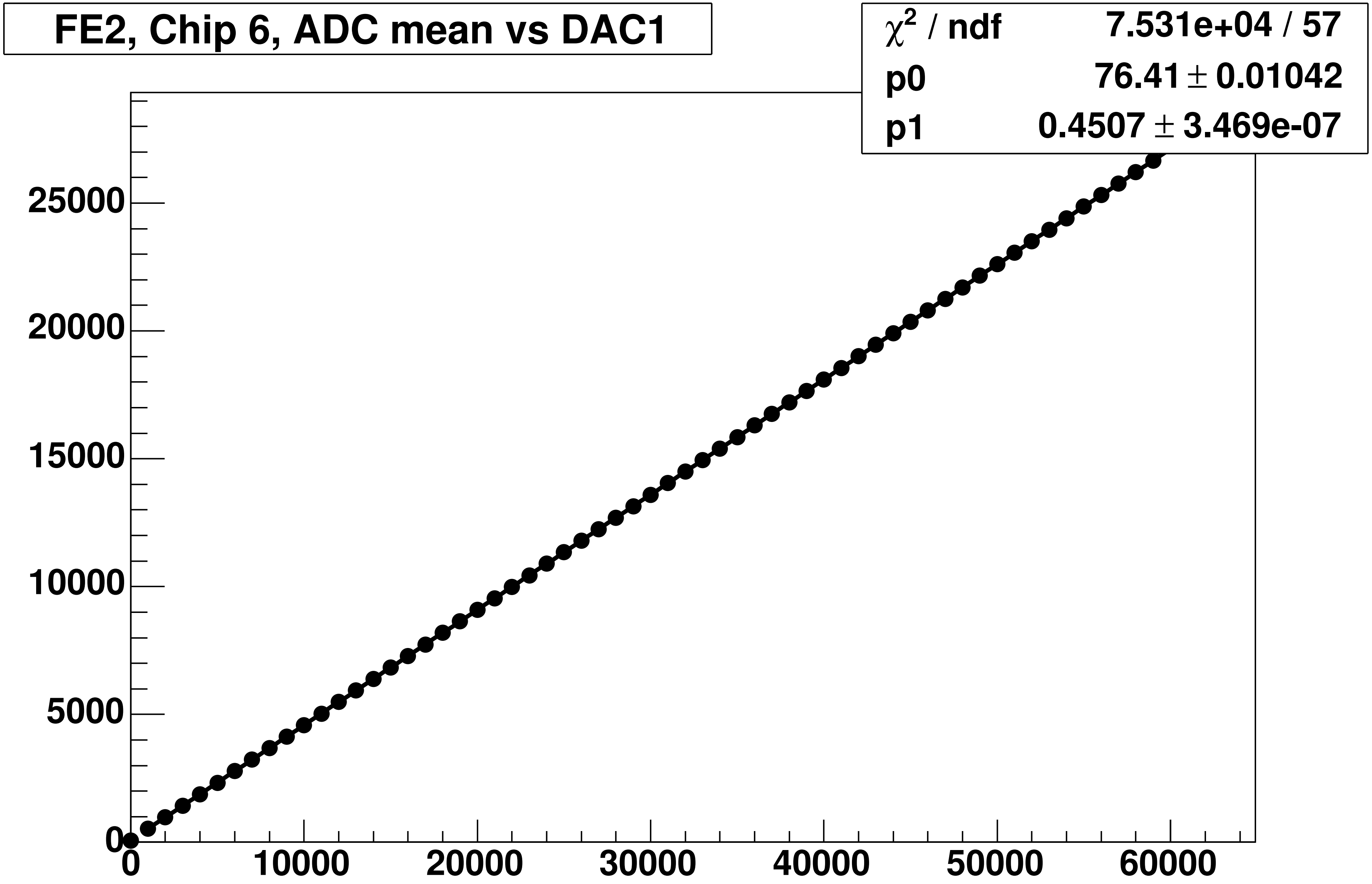

FE2, Chip 5, ADC residuals vs DAC1
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000

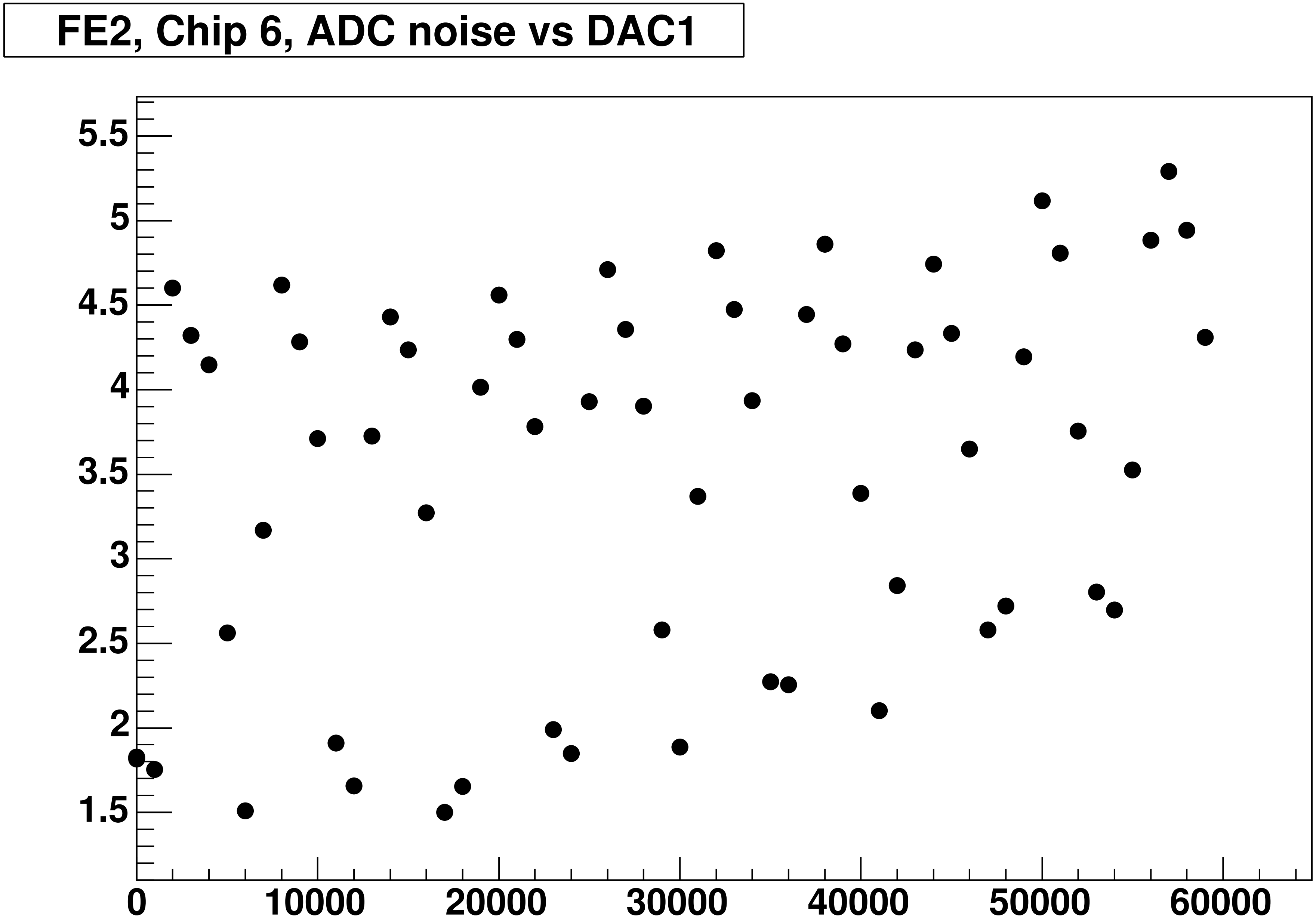


FE2, Chip 6, ADC mean vs DAC0
χ² / ndf 137.5 / 57
p0 73.95 ± 0.006868
p1 -1.09e-06 ± 2.012e-07
74
73.95
73.9
73.85
73.8
73.75
0
10000
20000
30000
40000
50000
60000

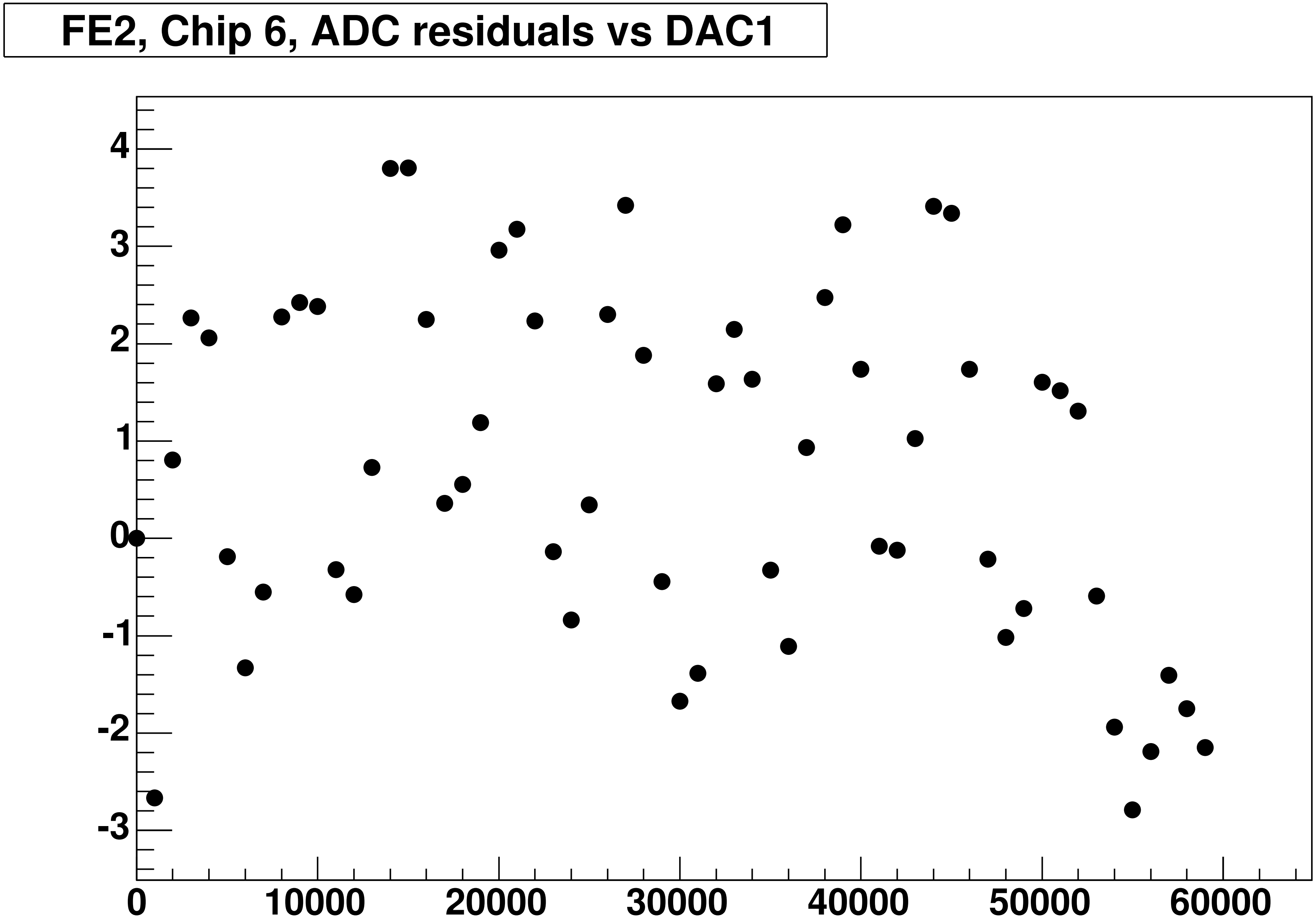

FE2, Chip 6, ADC noise vs DAC0
2
1.95
1.9
1.85
1.8
1.75
1.7
0
10000
20000
30000
40000
50000
60000

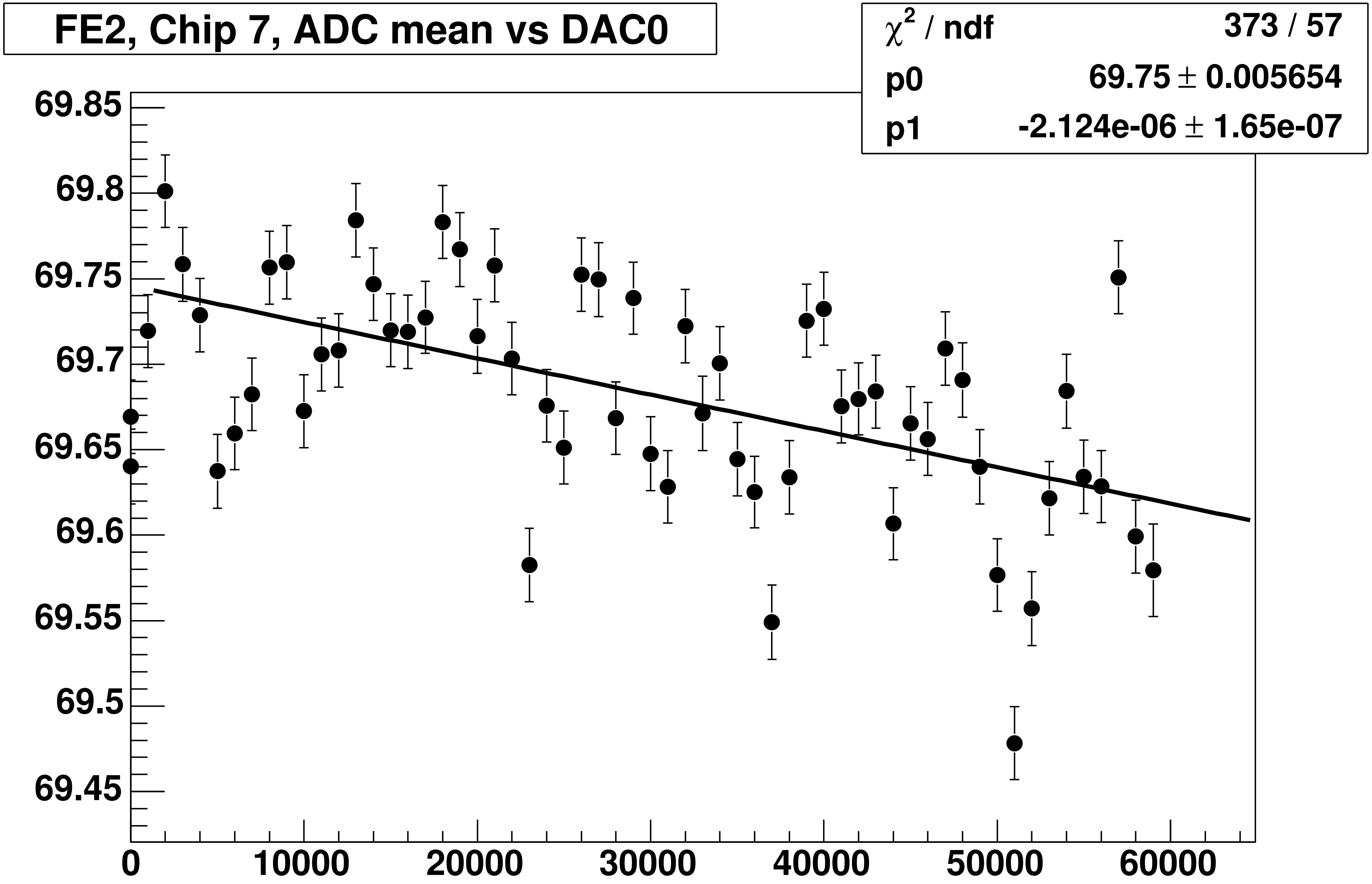

FE2, Chip 6, ADC residuals vs DAC0
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000


FE2, Chip 6, ADC mean vs DAC1
χ^2 / ndf 7.531e+04 / 57
p0 76.41 ± 0.01042
p1 0.4507 ± 3.469e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

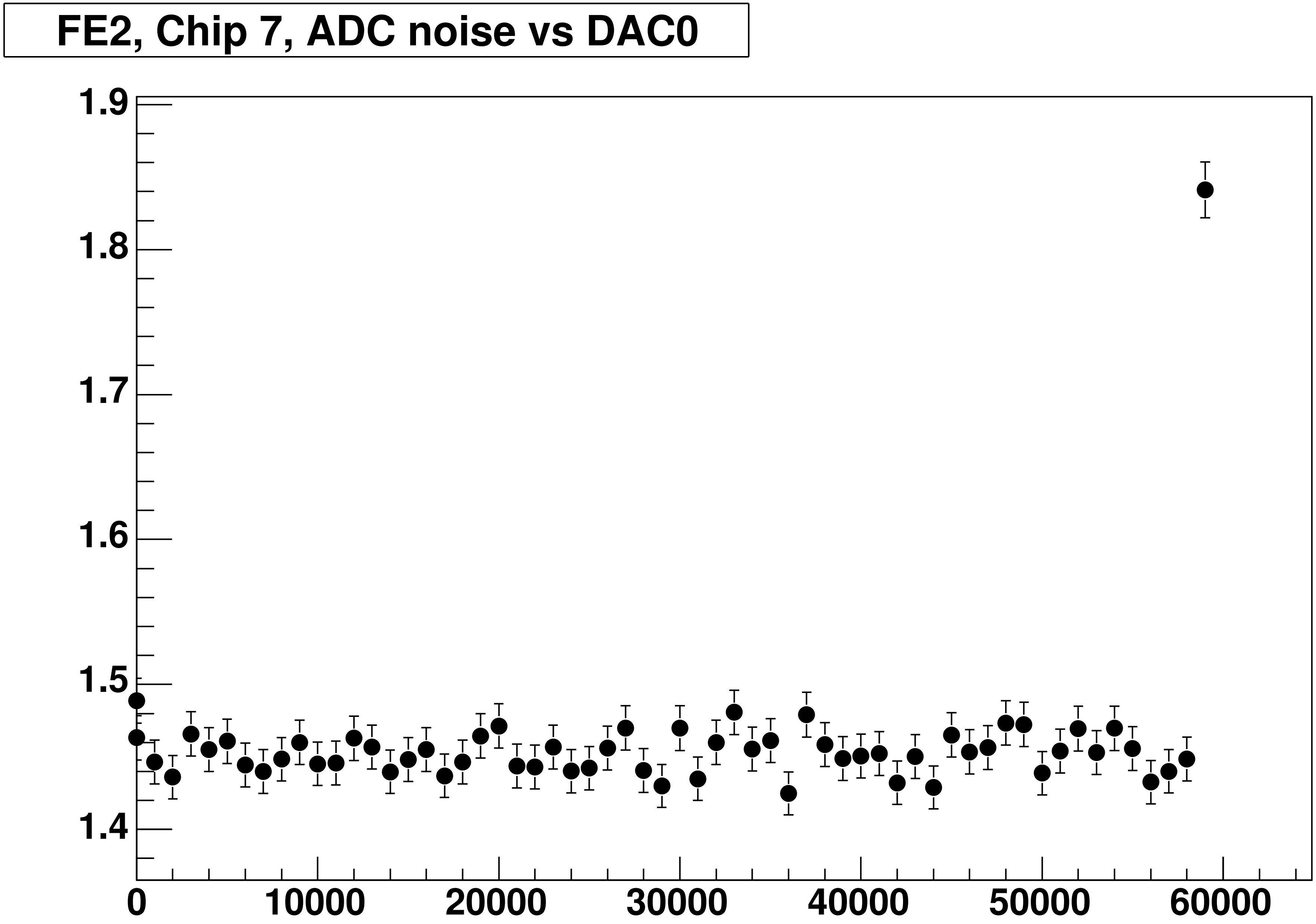


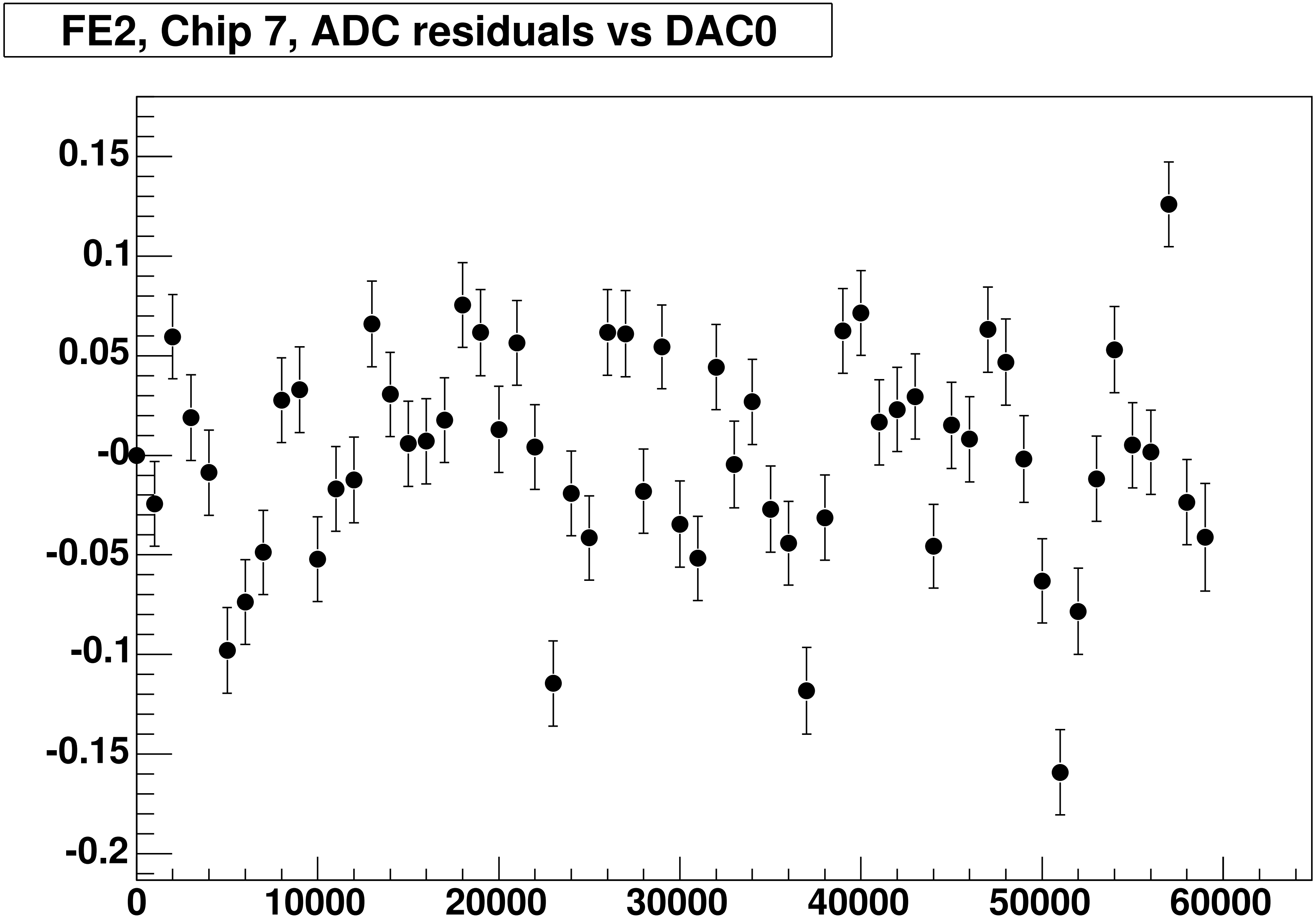
FE2, Chip 6, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

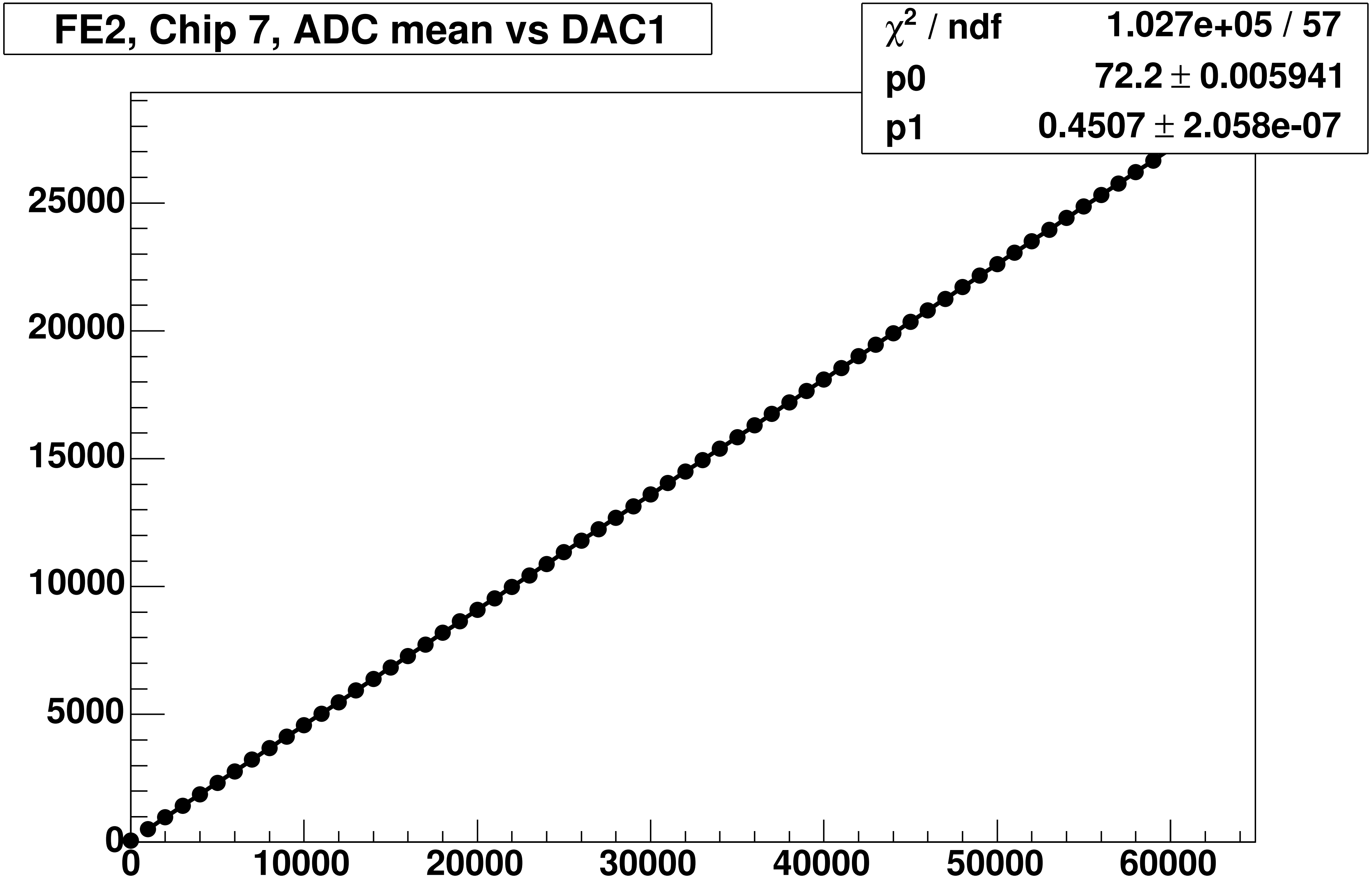

FE2, Chip 6, ADC residuals vs DAC1
4
3
2
1
0
-1
-2
-3
0
10000
20000
30000
40000
50000
60000

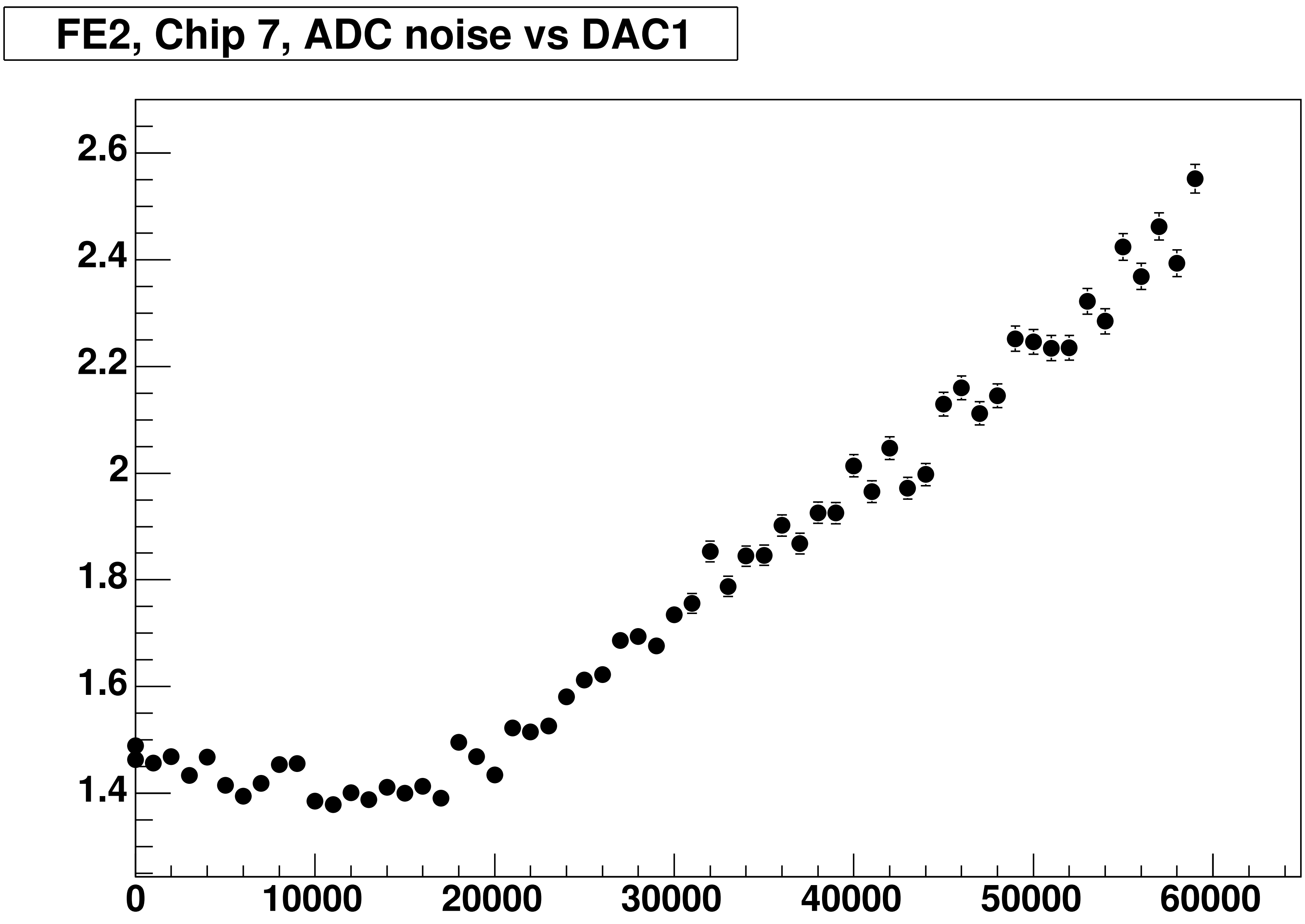


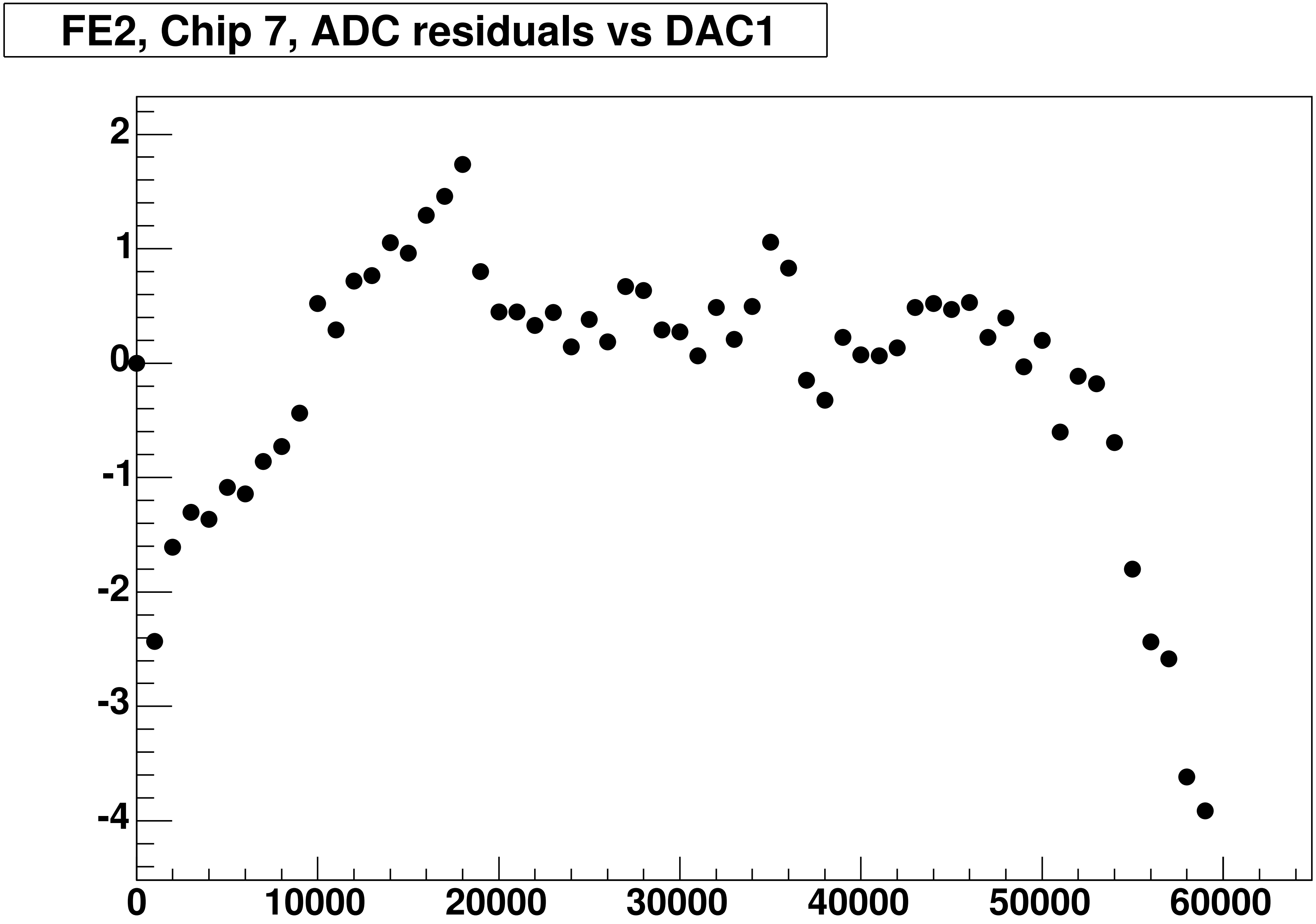
FE2, Chip 7, ADC mean vs DAC0
χ^2 / ndf 373 / 57
p0 69.75 ± 0.005654
p1 -2.124e-06 ± 1.65e-07
69.85
69.8
69.75
69.7
69.65
69.6
69.55
69.5
69.45
0
10000
20000
30000
40000
50000
60000

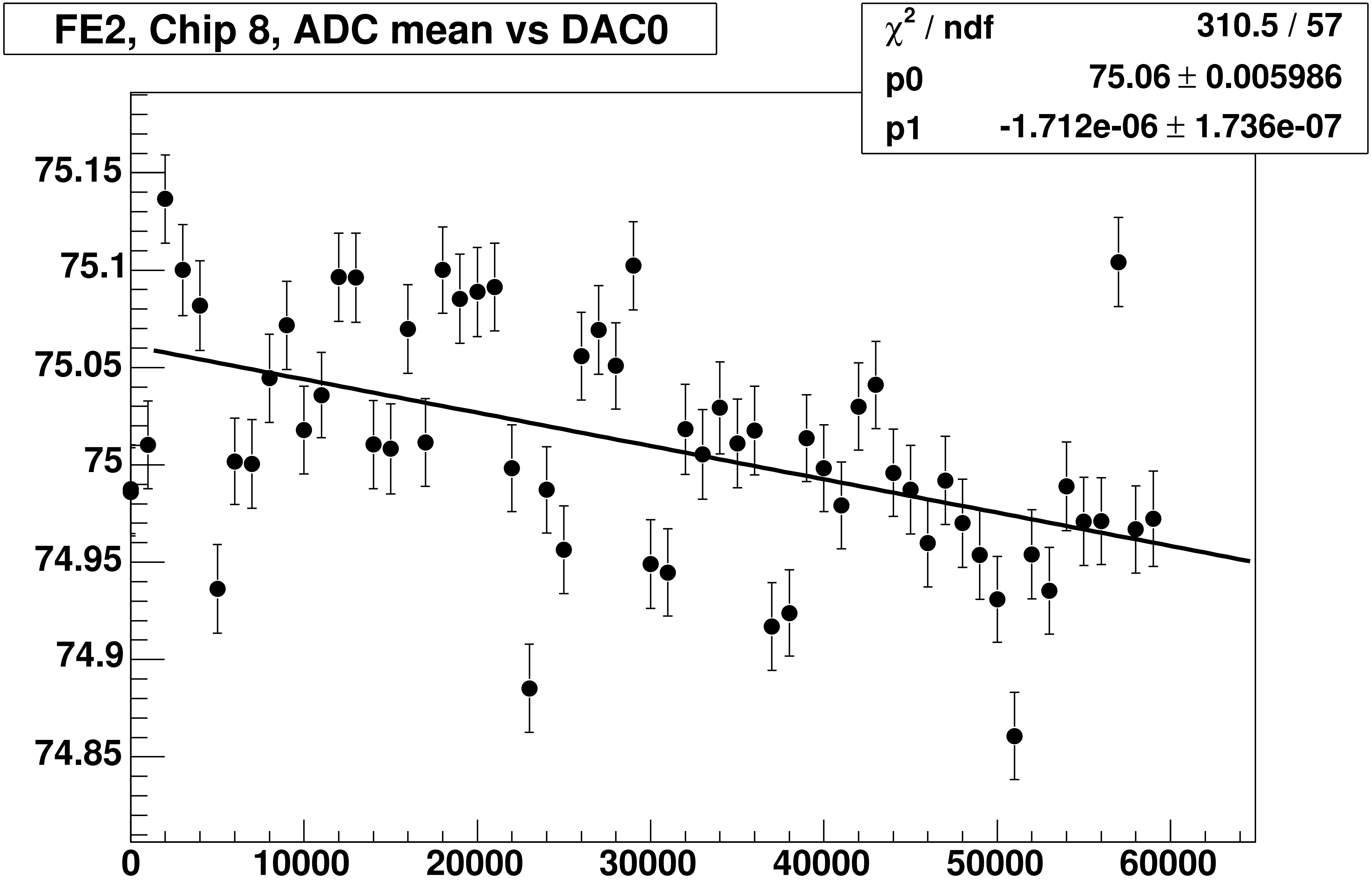

FE2, Chip 7, ADC noise vs DAC0
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000

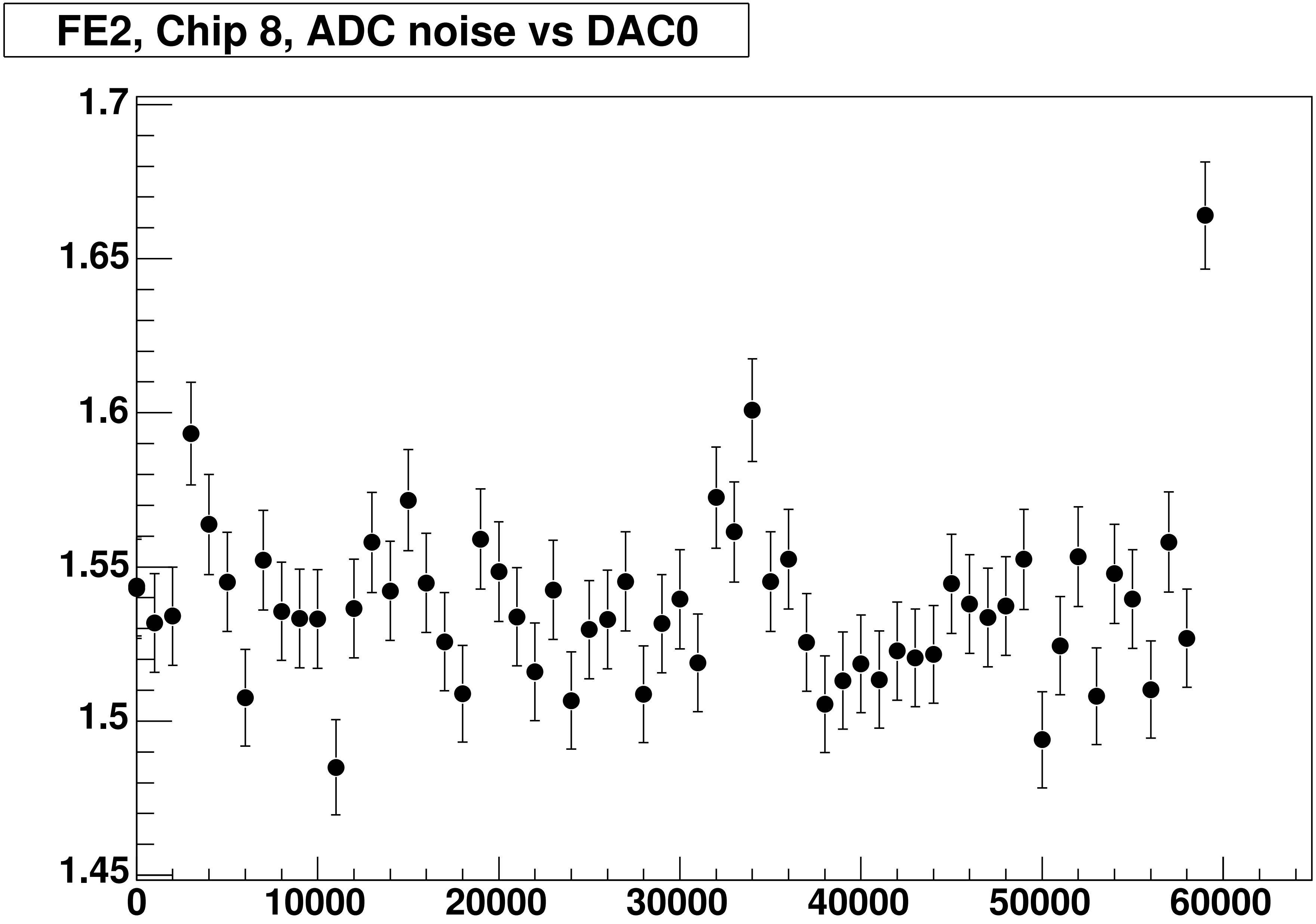

FE2, Chip 7, ADC residuals vs DAC0
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
0
10000
20000
30000
40000
50000
60000


FE2, Chip 7, ADC mean vs DAC1
χ2 / ndf 1.027e+05 / 57
p0 72.2 ± 0.005941
p1 0.4507 ± 2.058e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

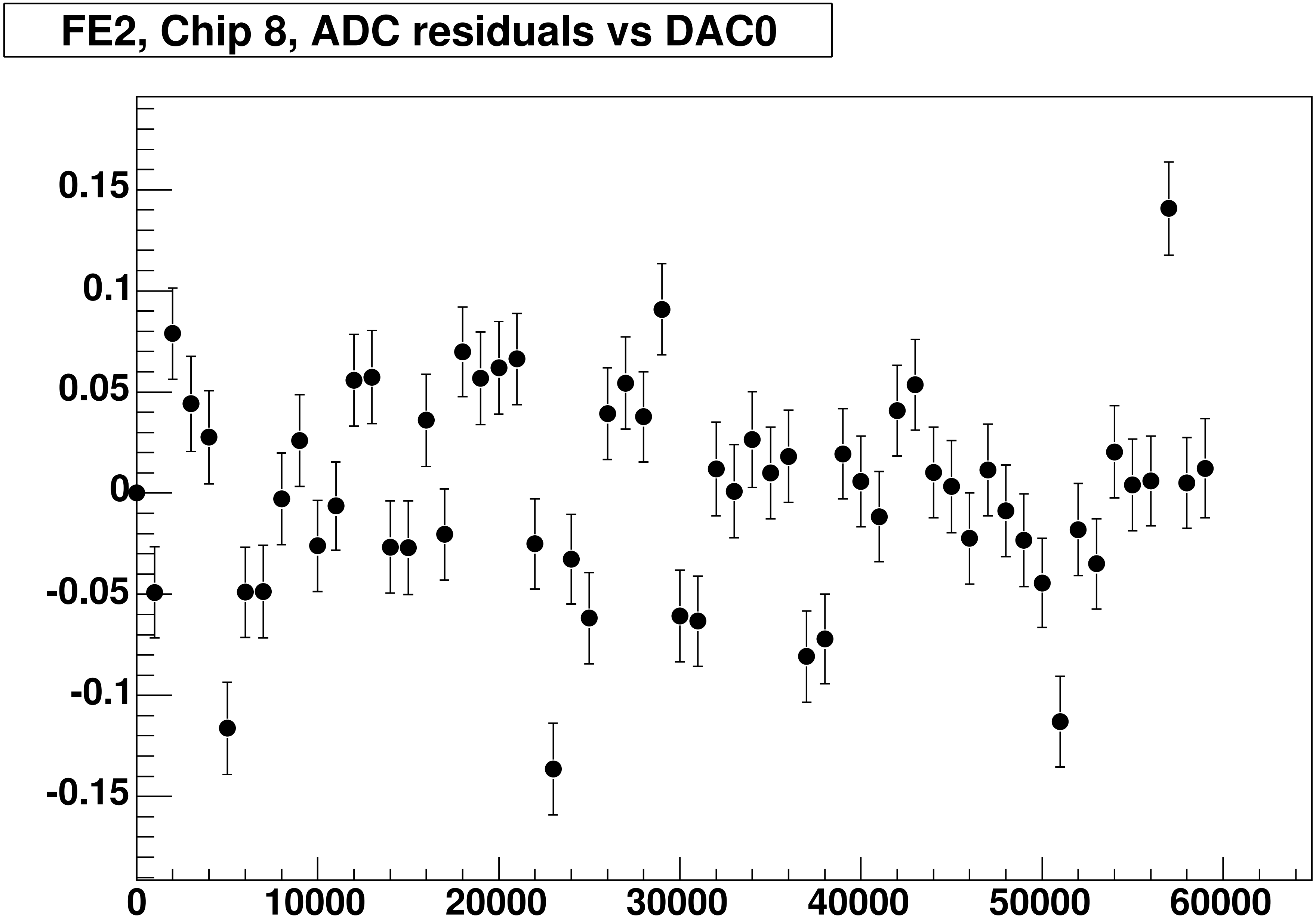

FE2, Chip 7, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2, Chip 7, ADC residuals vs DAC1
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000

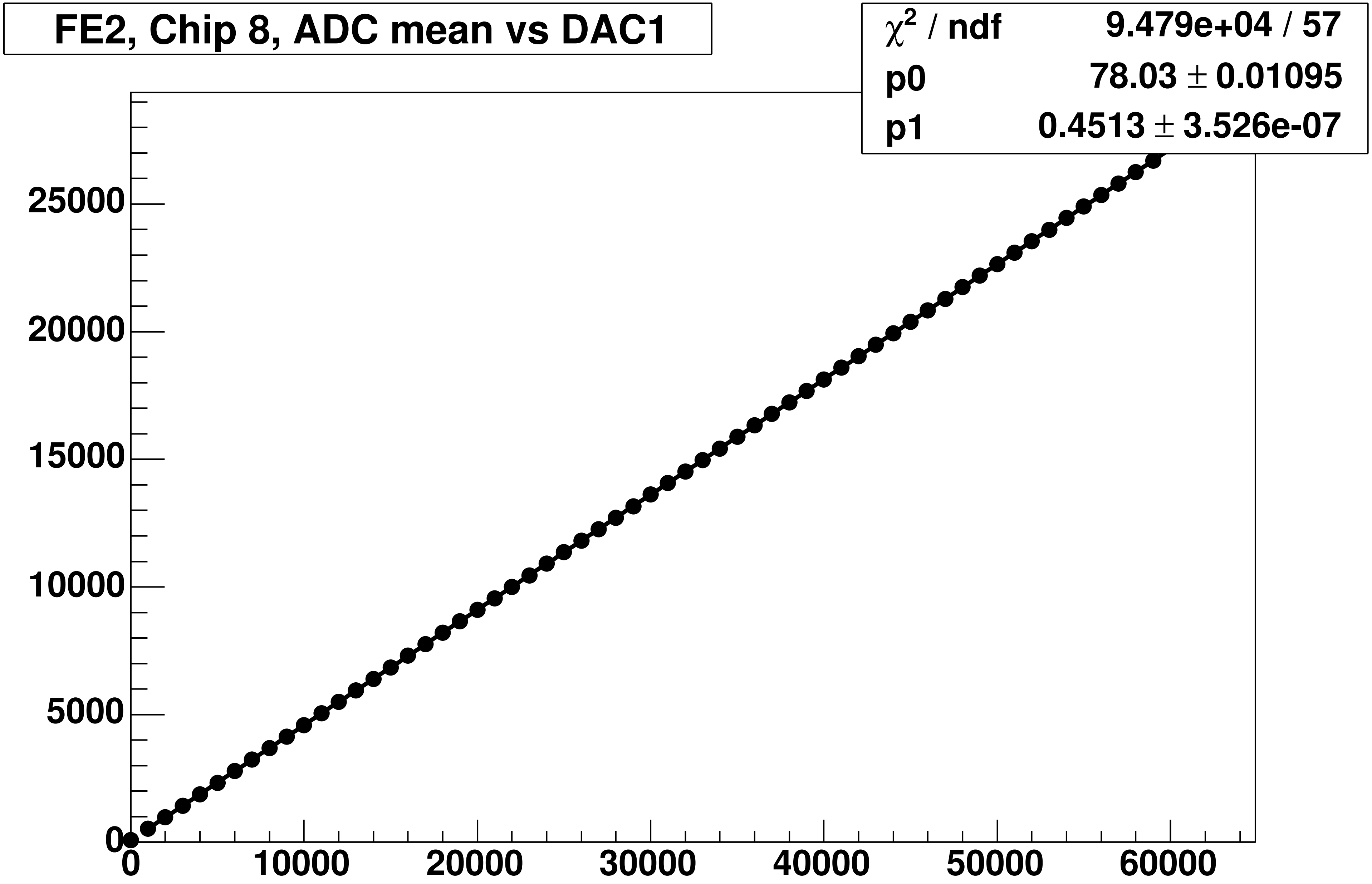

FE2, Chip 8, ADC mean vs DAC0
χ^2 / ndf 310.5 / 57
p0 75.06 ± 0.005986
p1 -1.712e-06 ± 1.736e-07
75.15
75.1
75.05
75
74.95
74.9
74.85
0
10000
20000
30000
40000
50000
60000

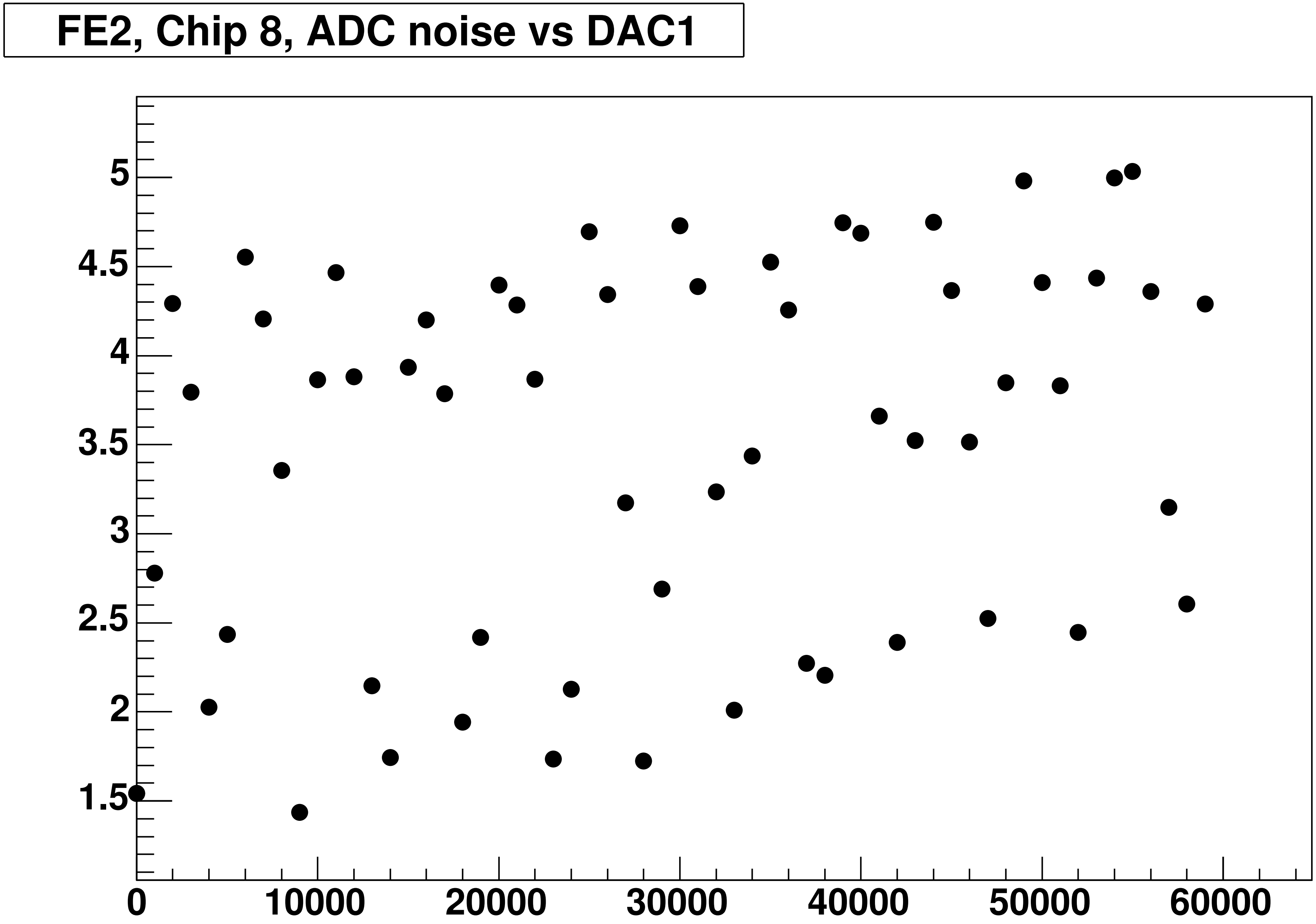


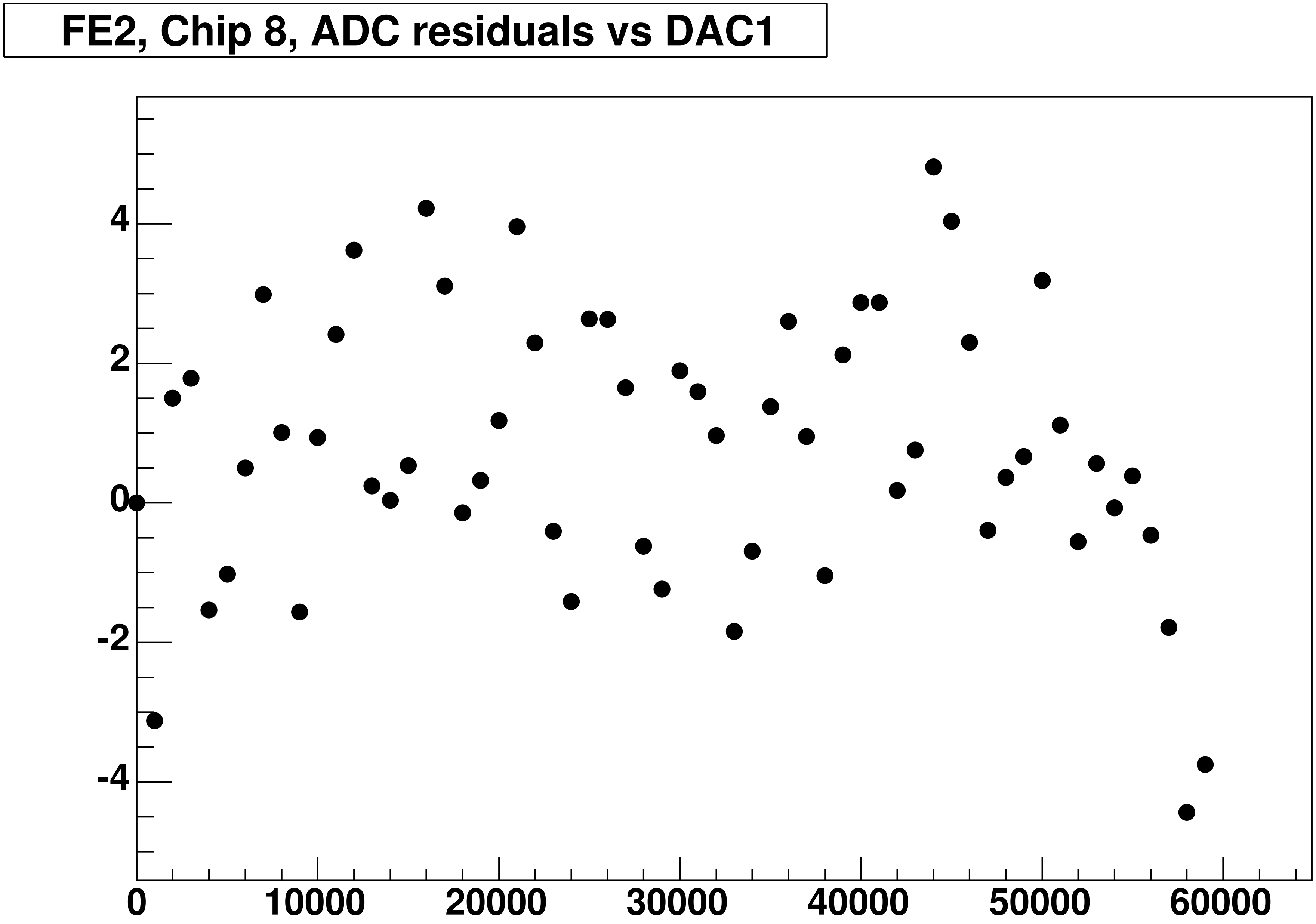
FE2, Chip 8, ADC noise vs DAC0
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

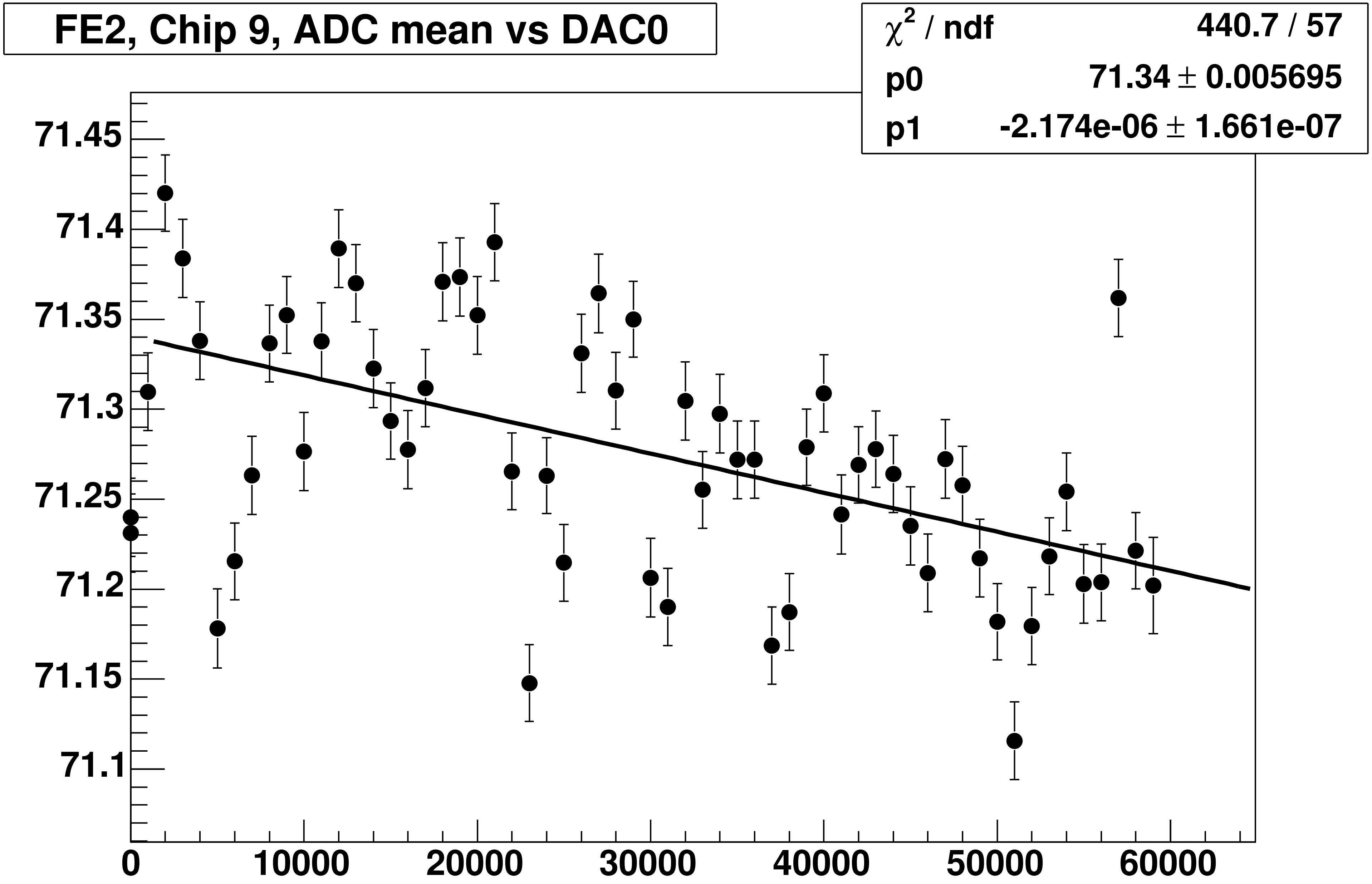


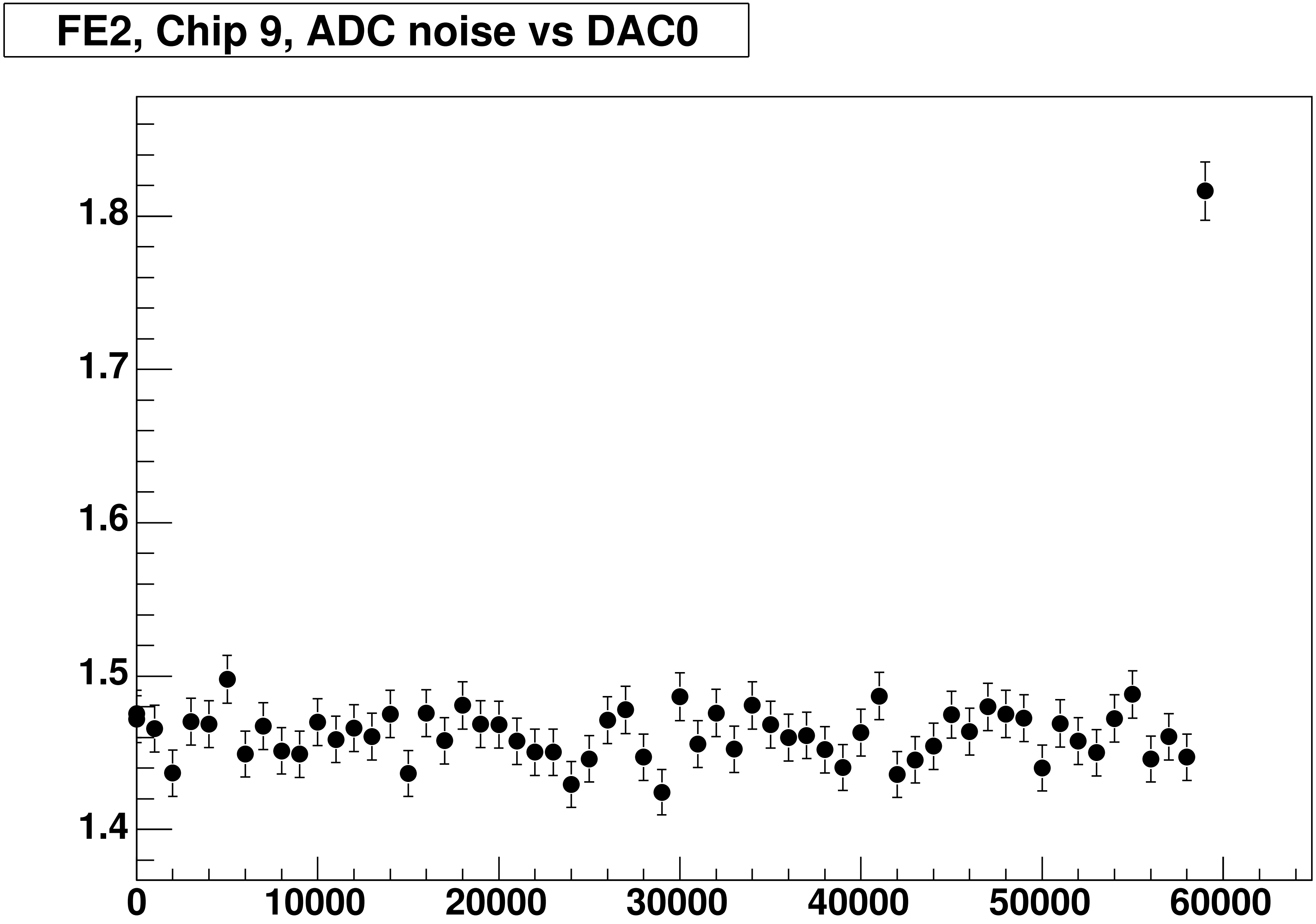
FE2, Chip 8, ADC residuals vs DAC0
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000

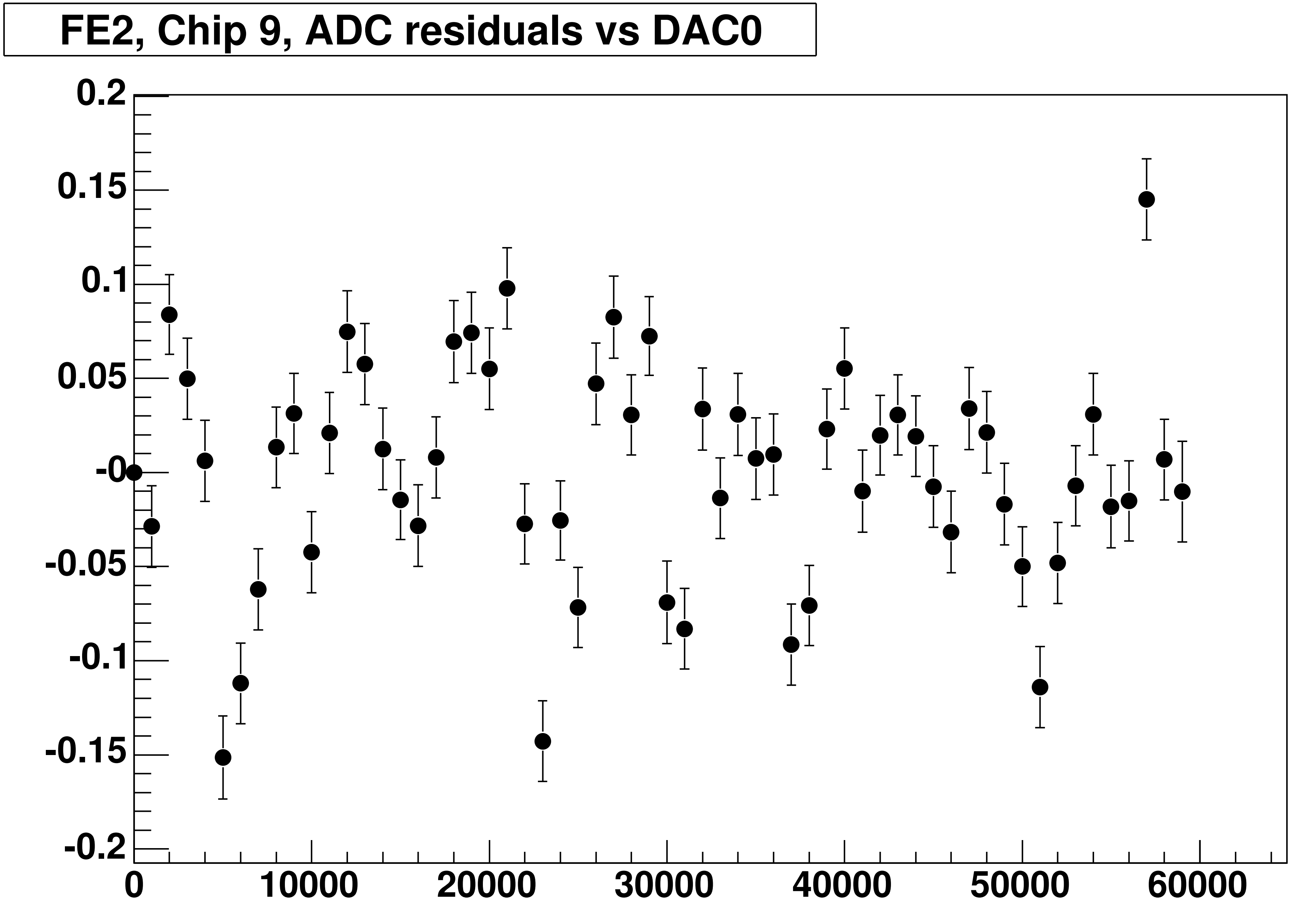

FE2, Chip 8, ADC mean vs DAC1
χ^2 / ndf 9.479e+04 / 57
p0 78.03 ± 0.01095
p1 0.4513 ± 3.526e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 8, ADC noise vs DAC1
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

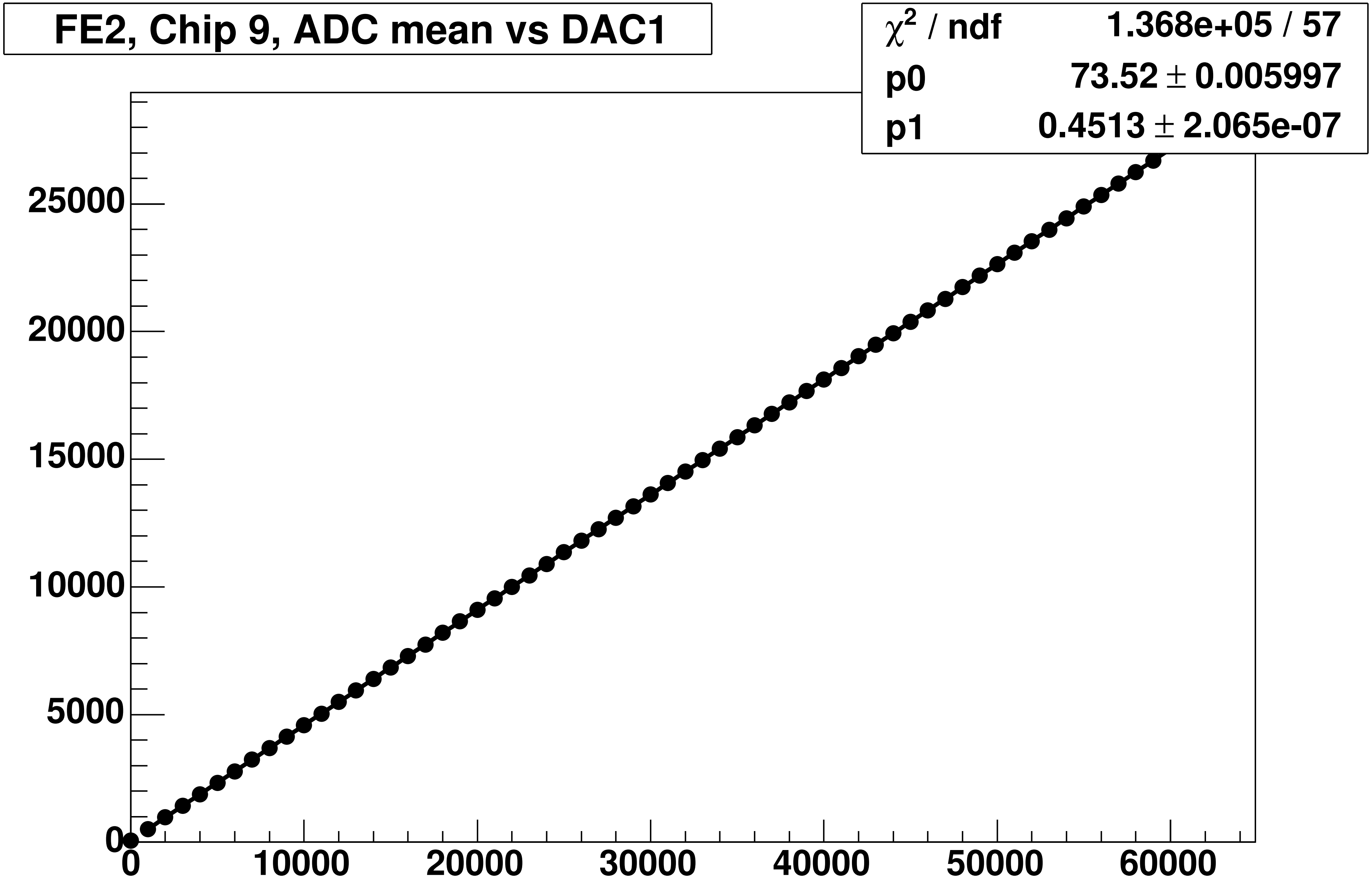

FE2, Chip 8, ADC residuals vs DAC1
4
2
0
-2
-4
0
10000
20000
30000
40000
50000
60000


FE2, Chip 9, ADC mean vs DAC0
χ^2 / ndf 440.7 / 57
p0 71.34 ± 0.005695
p1 -2.174e-06 ± 1.661e-07
71.45
71.4
71.35
71.3
71.25
71.2
71.15
71.1
0
10000
20000
30000
40000
50000
60000

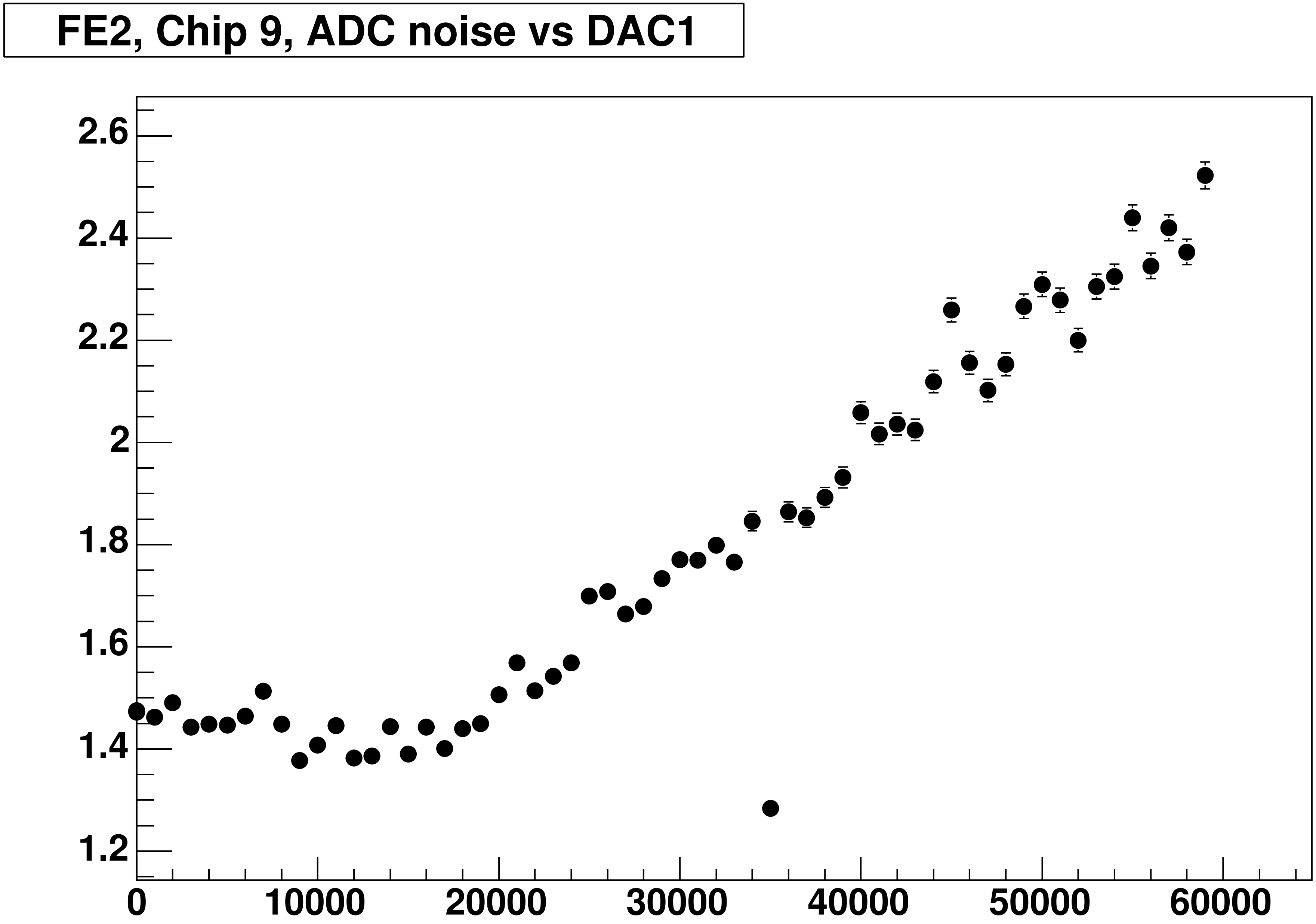

FE2, Chip 9, ADC noise vs DAC0
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000



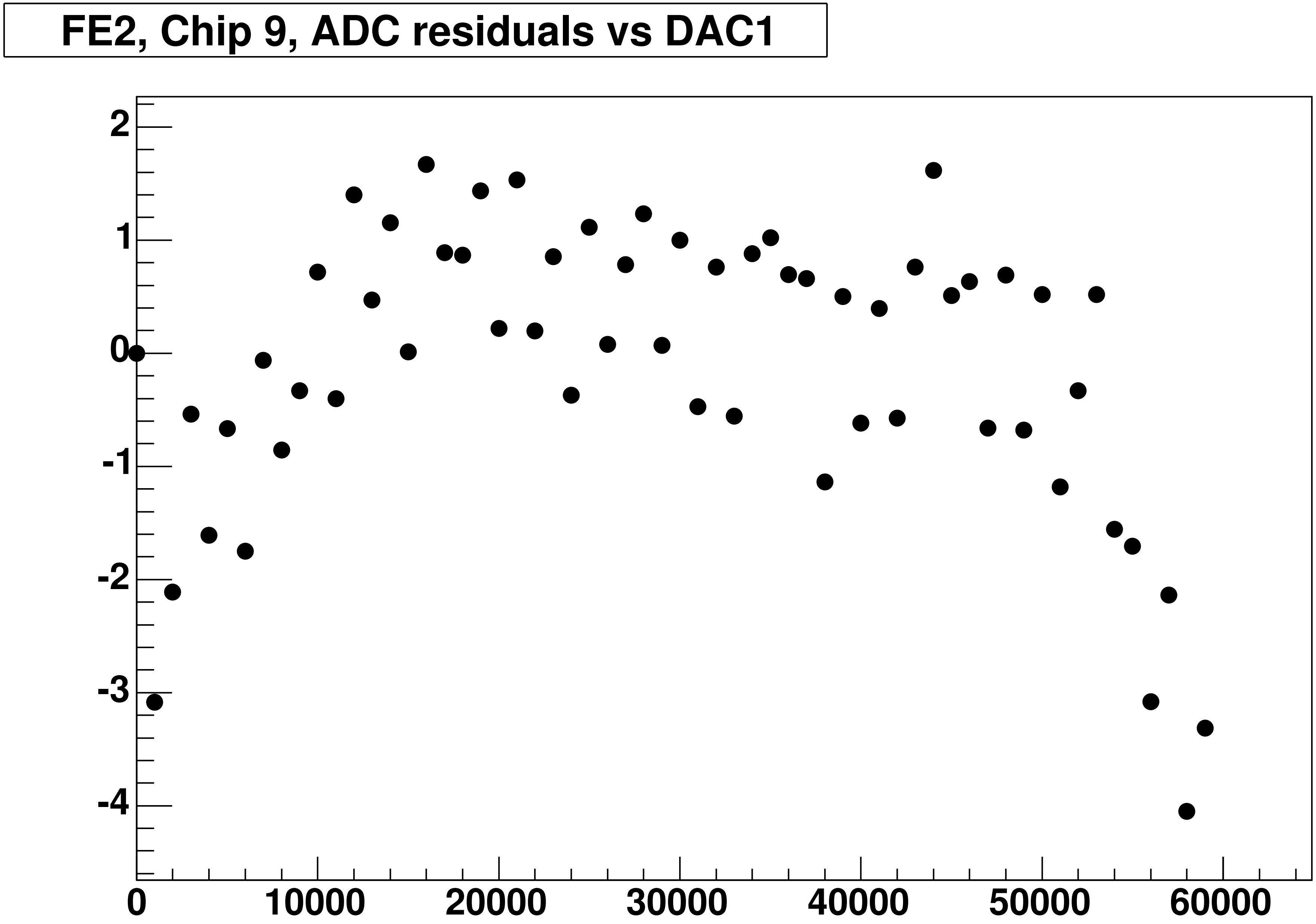
FE2, Chip 9, ADC residuals vs DAC0
0.2
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
0
10000
20000
30000
40000
50000
60000

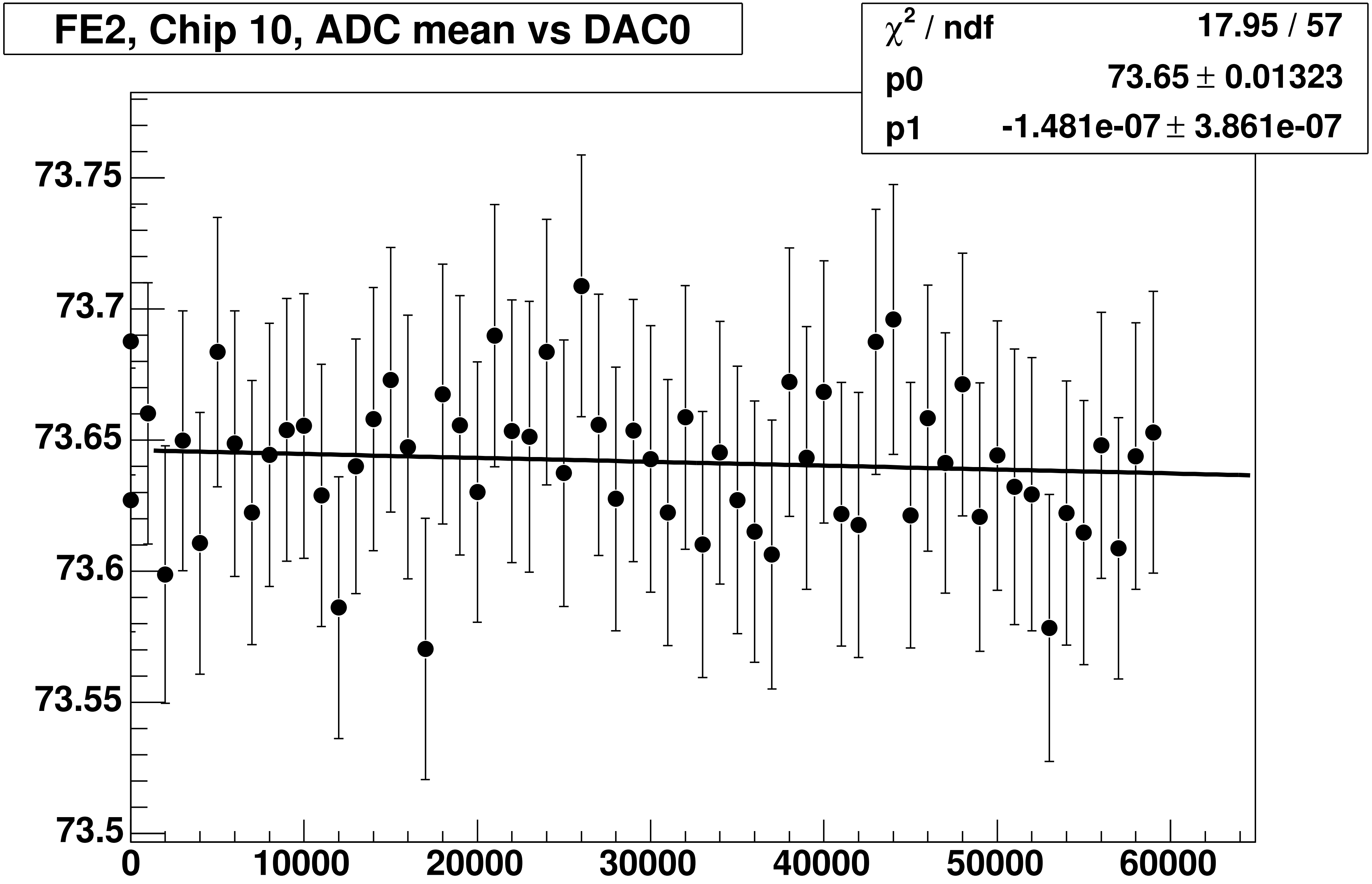


FE2, Chip 9, ADC mean vs DAC1
χ^2 / ndf 1.368e+05 / 57
p0 73.52 ± 0.005997
p1 0.4513 ± 2.065e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

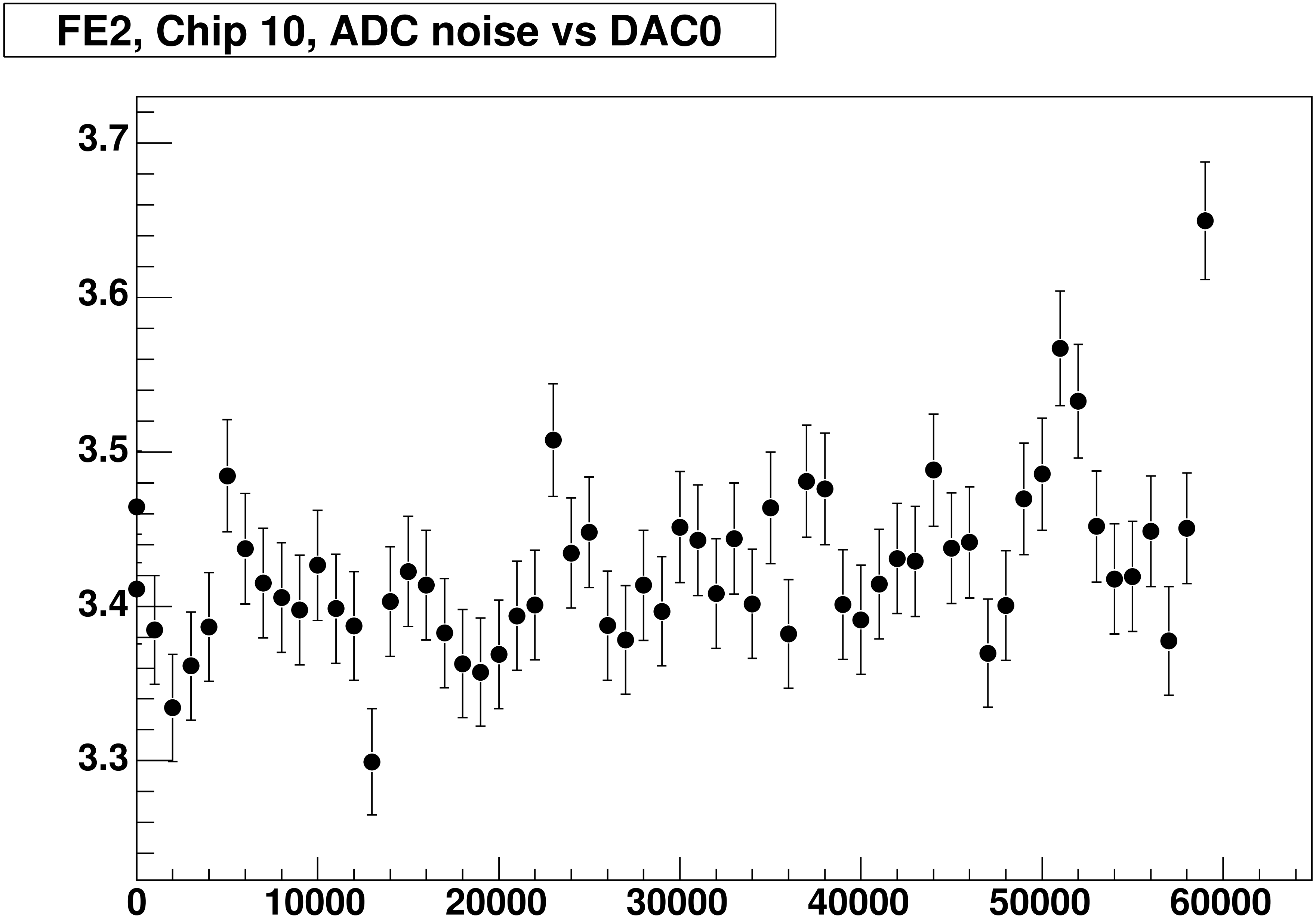


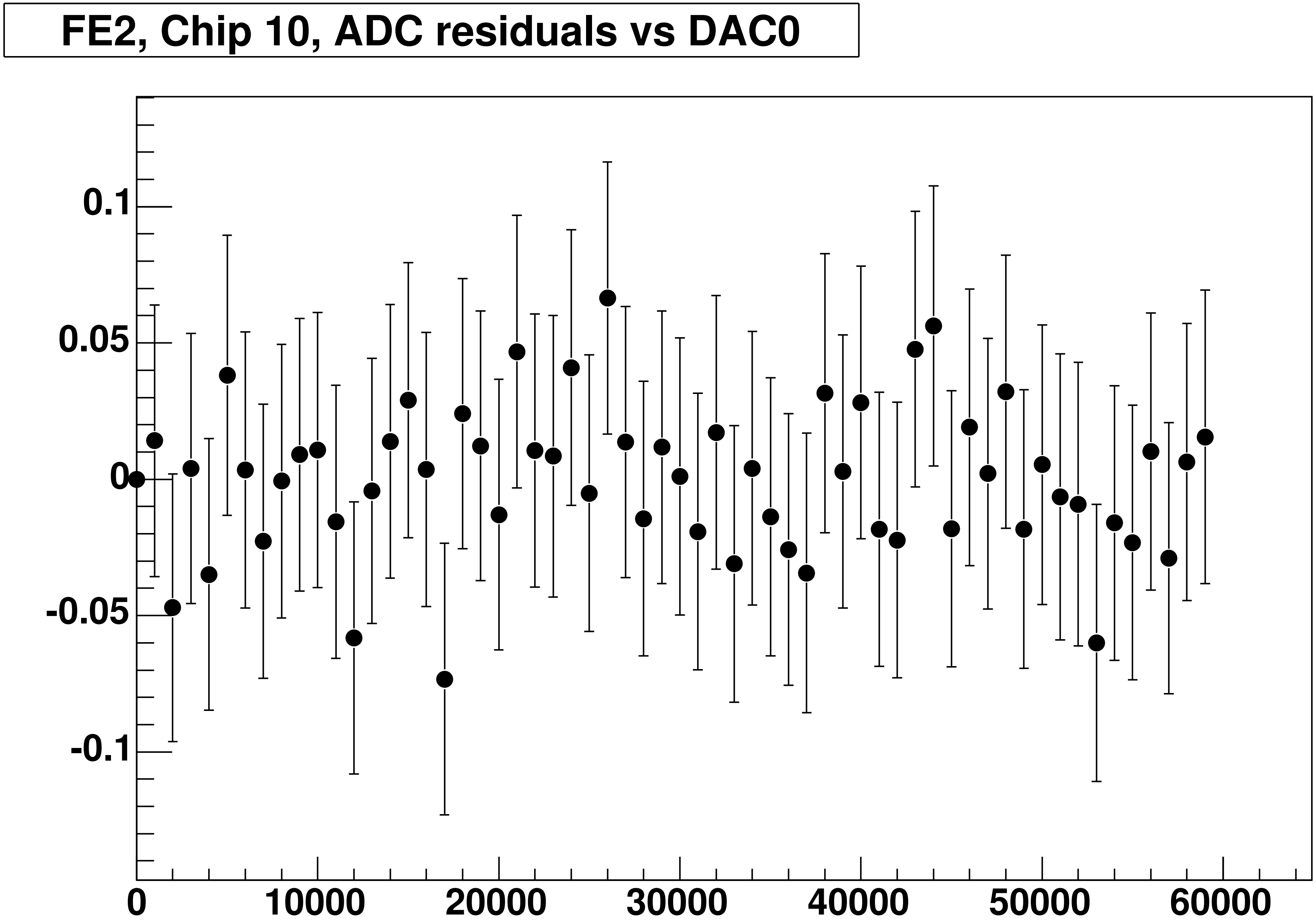
FE2, Chip 9, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

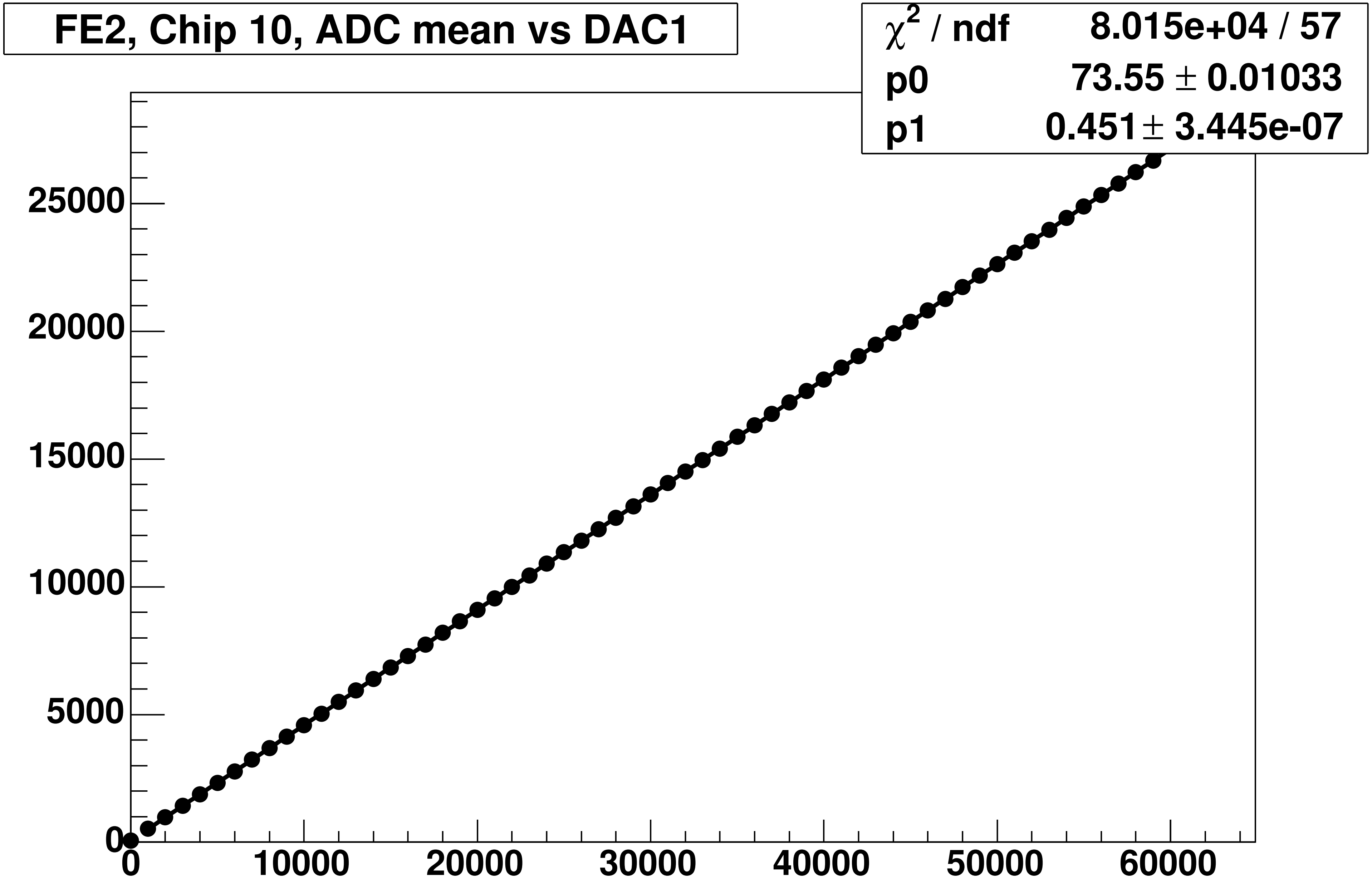

FE2, Chip 9, ADC residuals vs DAC1
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000



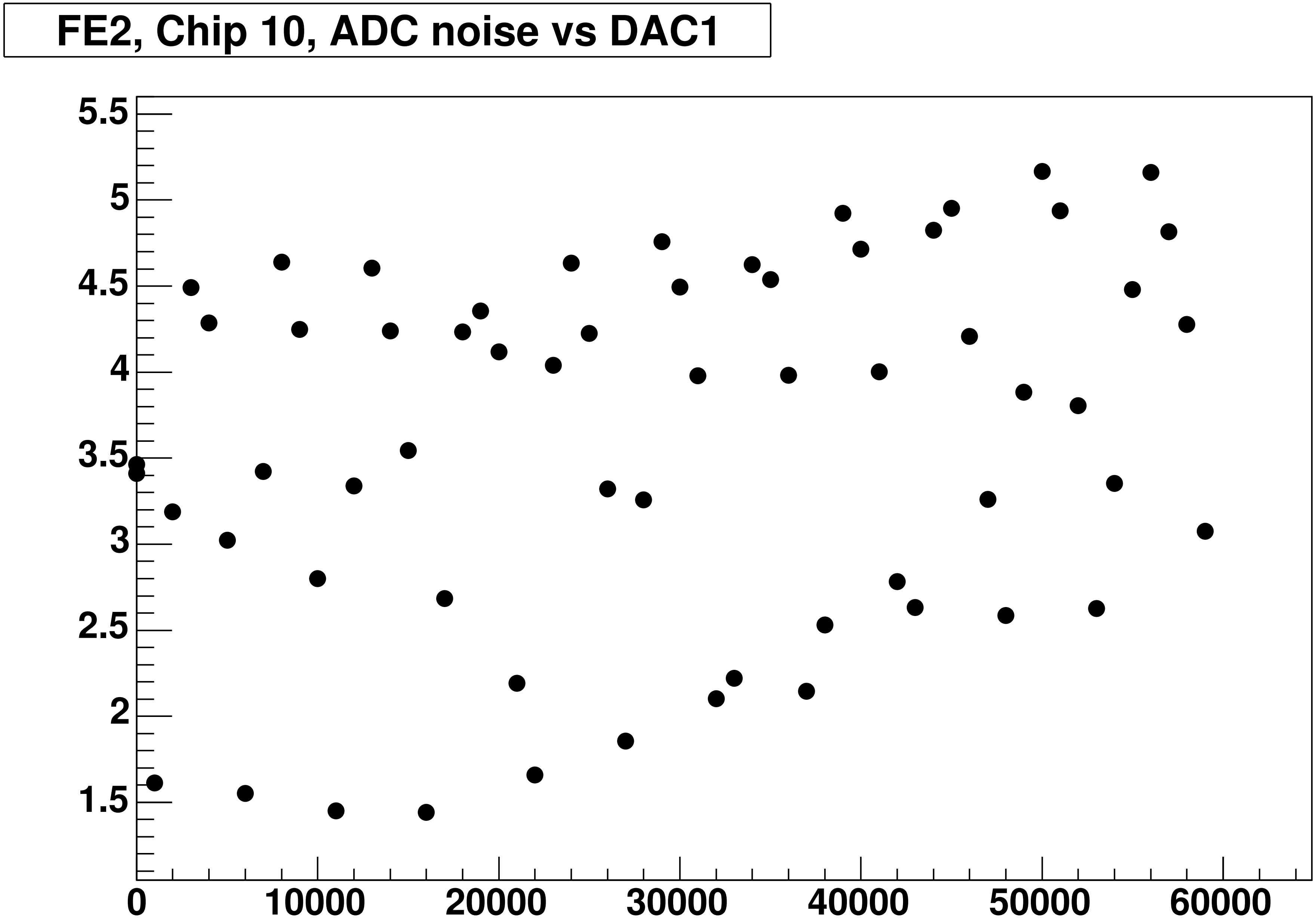
FE2, Chip 10, ADC mean vs DAC0
χ^2 / ndf 17.95 / 57
p0 73.65 ± 0.01323
p1 -1.481e-07 ± 3.861e-07
73.75
73.7
73.65
73.6
73.55
73.5
0
10000
20000
30000
40000
50000
60000

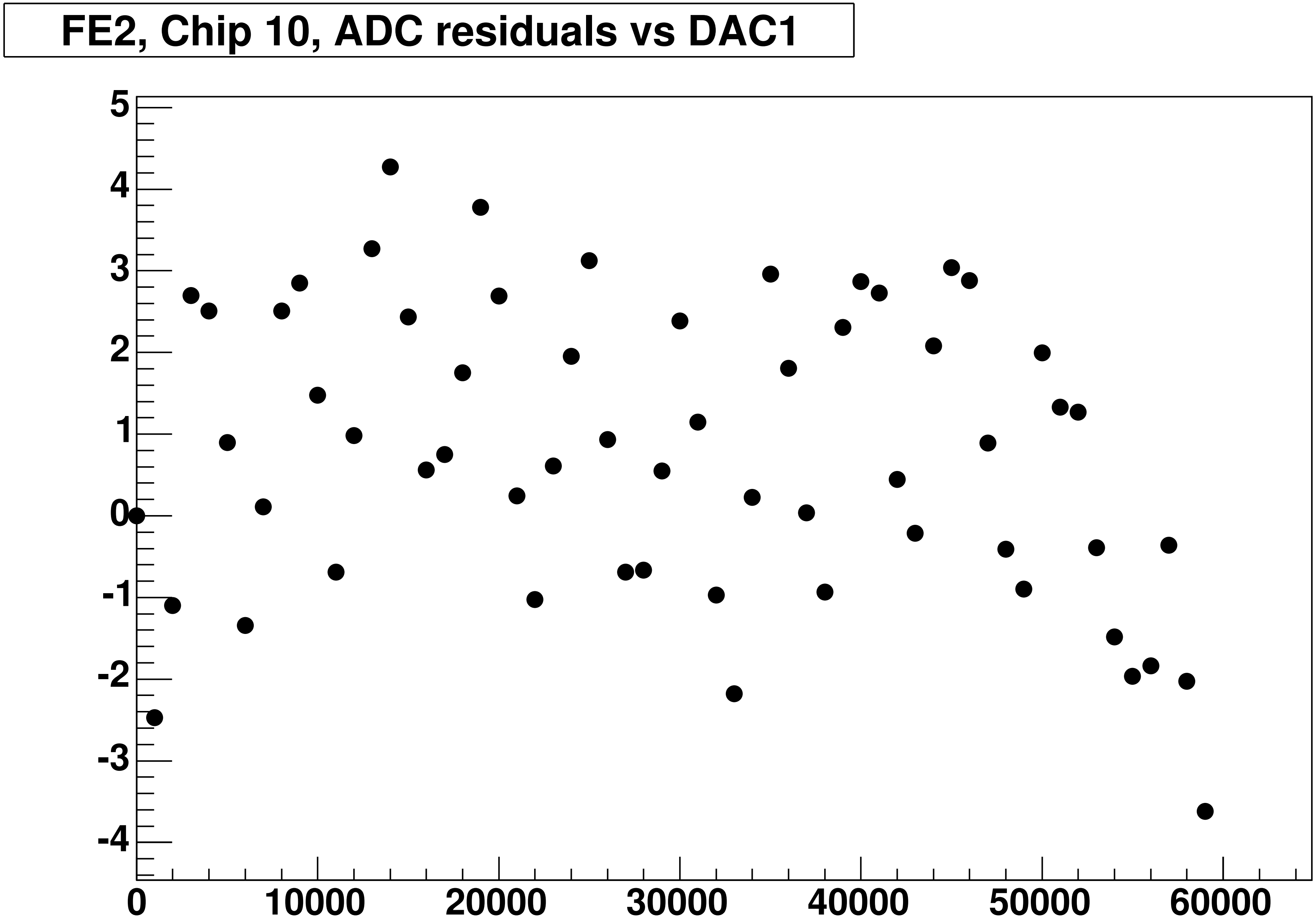

FE2, Chip 10, ADC noise vs DAC0
3.7
3.6
3.5
3.4
3.3
0
10000
20000
30000
40000
50000
60000

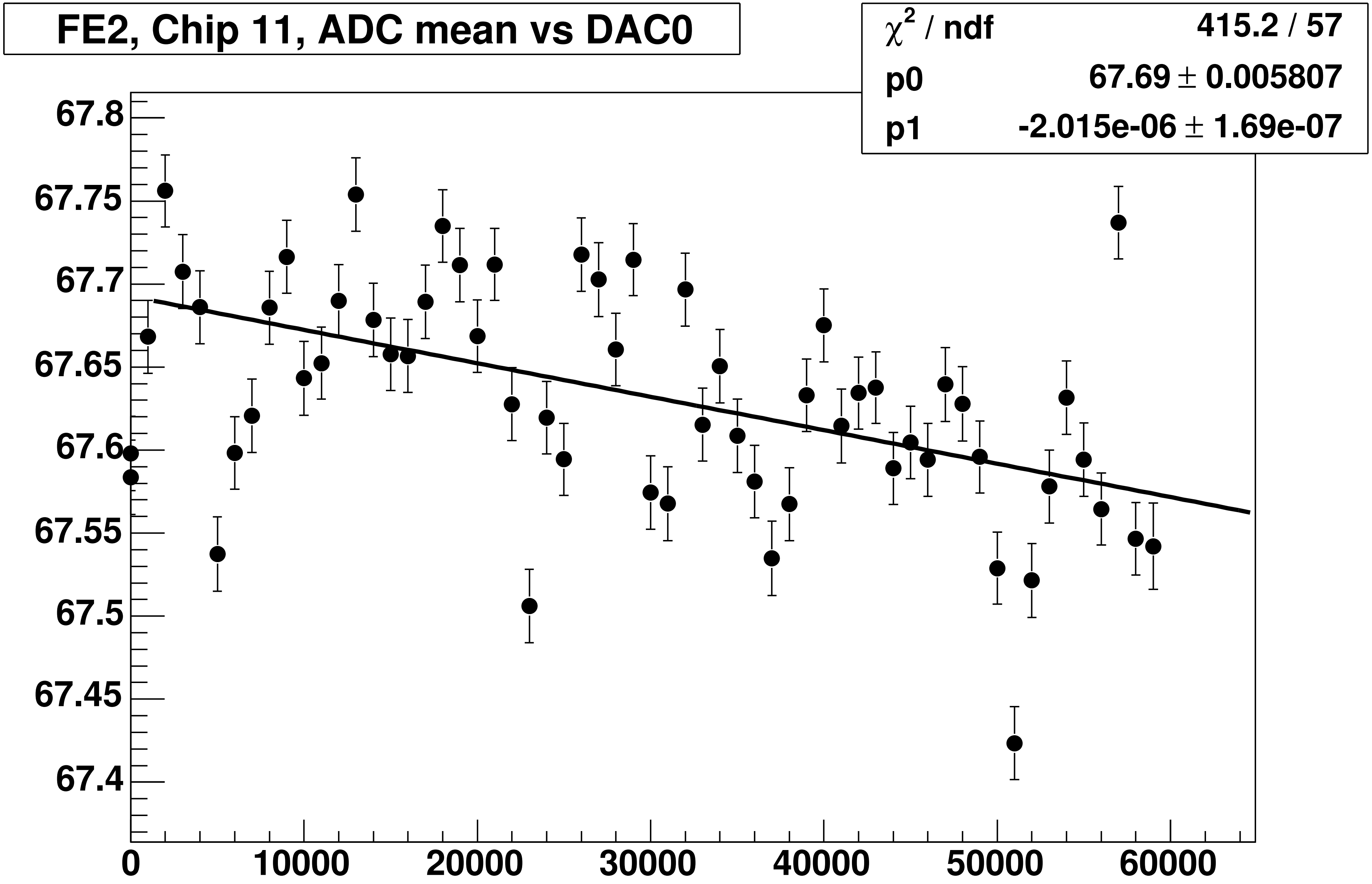

FE2, Chip 10, ADC residuals vs DAC0
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000



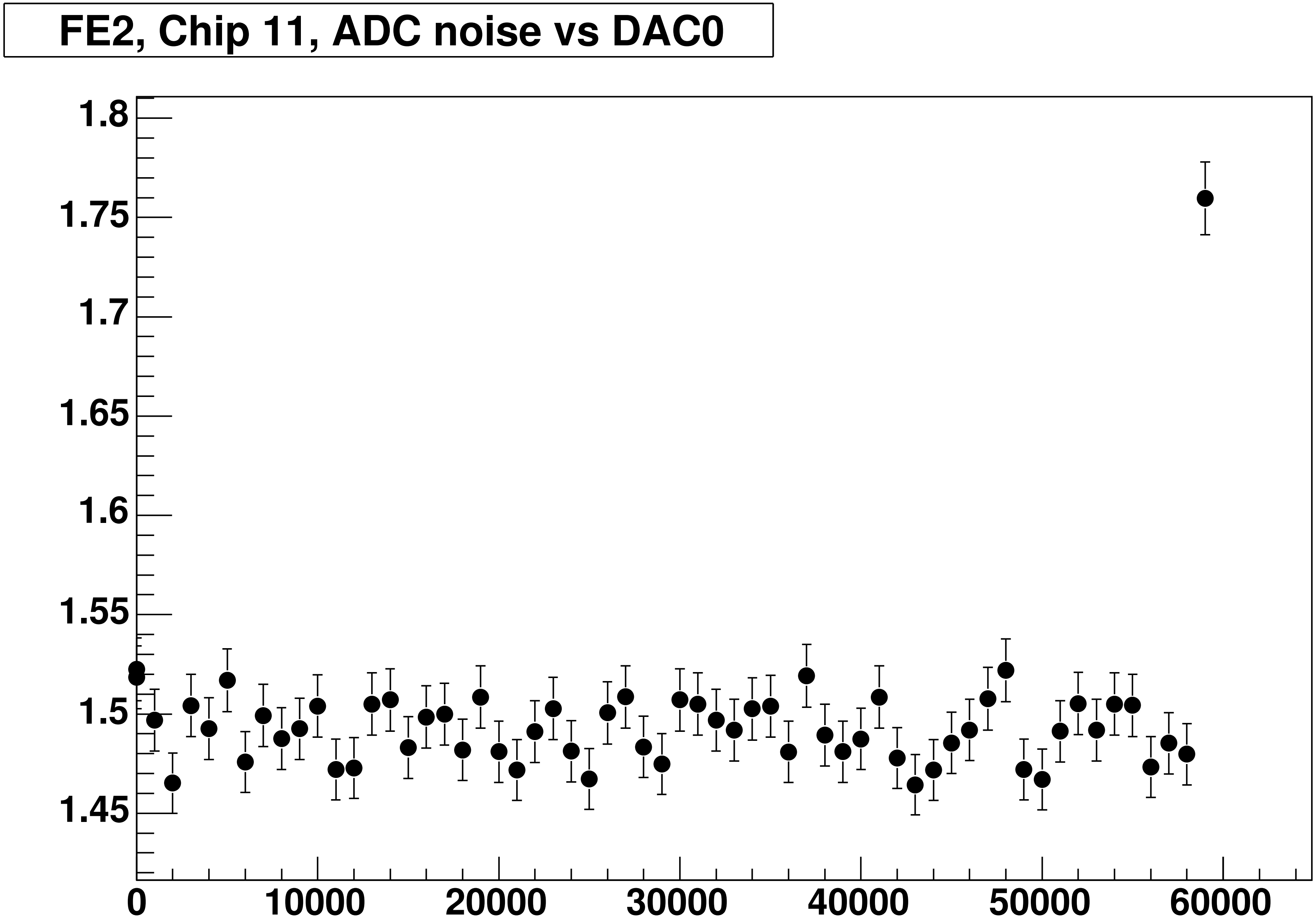
FE2, Chip 10, ADC mean vs DAC1
χ^2 / ndf 8.015e+04 / 57
p0 73.55 ± 0.01033
p1 0.451 ± 3.445e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 10, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

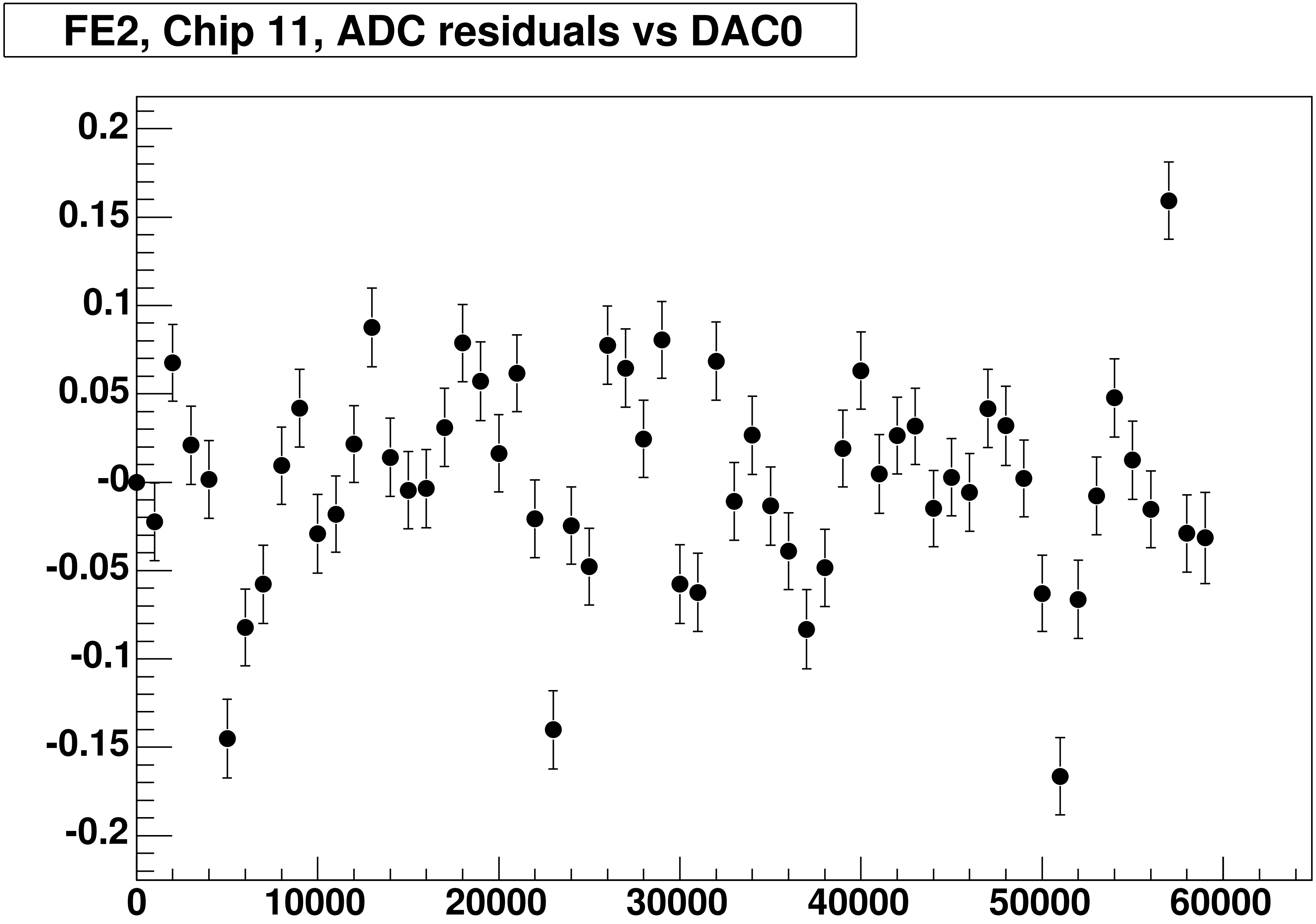

FE2, Chip 10, ADC residuals vs DAC1
5
4
3
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000

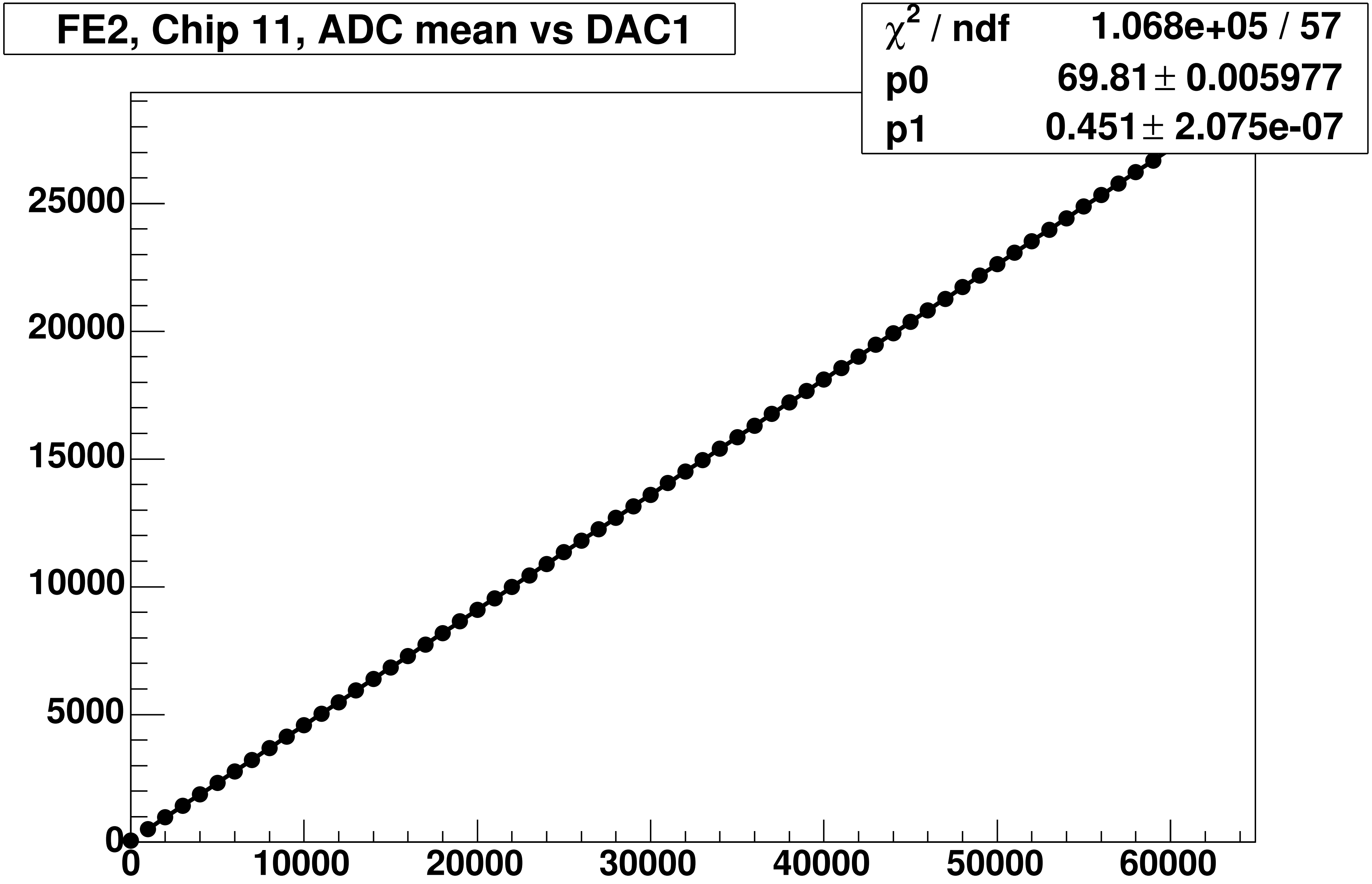


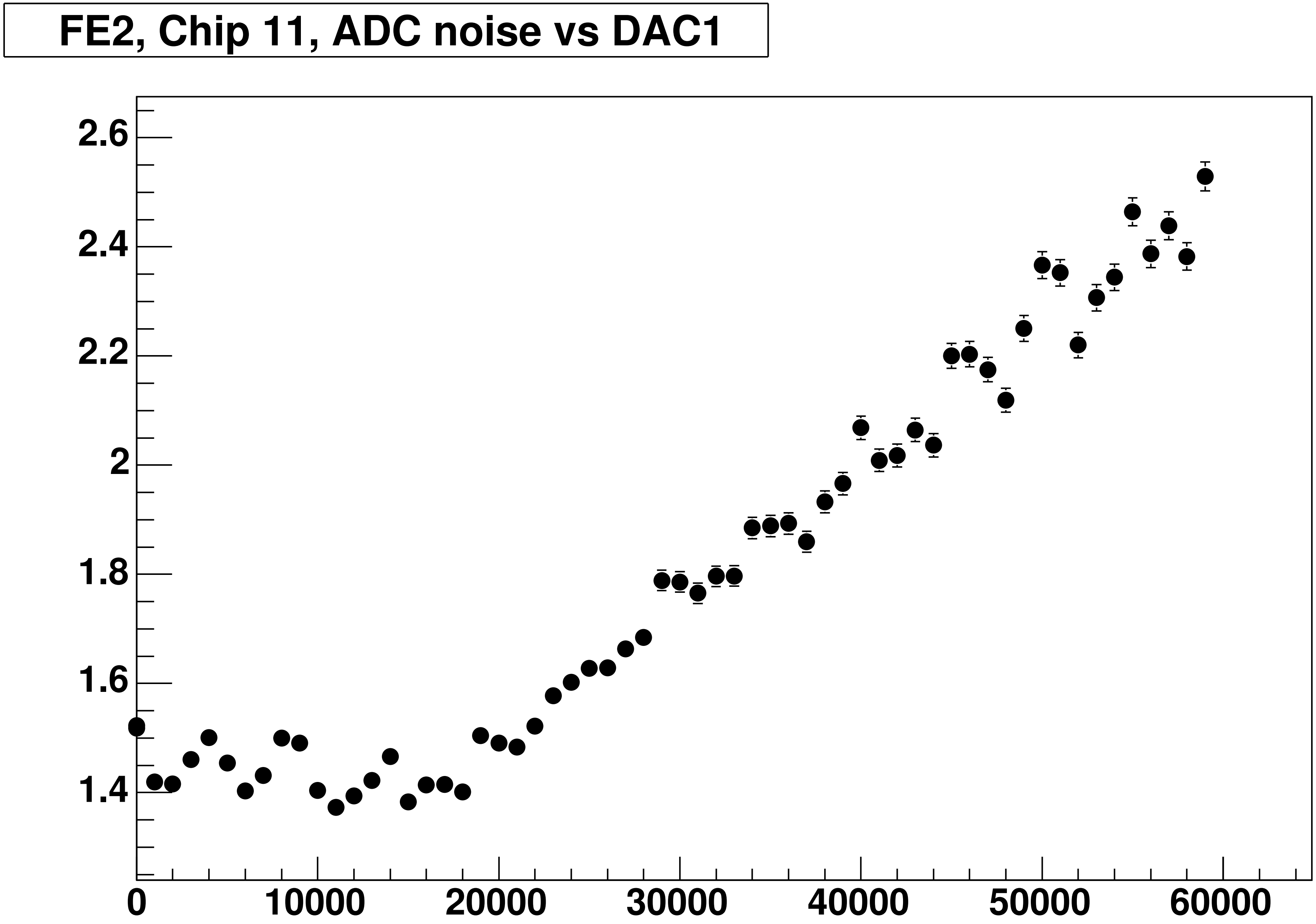
FE2, Chip 11, ADC mean vs DAC0
χ² / ndf 415.2 / 57
p0 67.69 ± 0.005807
p1 -2.015e-06 ± 1.69e-07
67.8
67.75
67.7
67.65
67.6
67.55
67.5
67.45
67.4
0
10000
20000
30000
40000
50000
60000

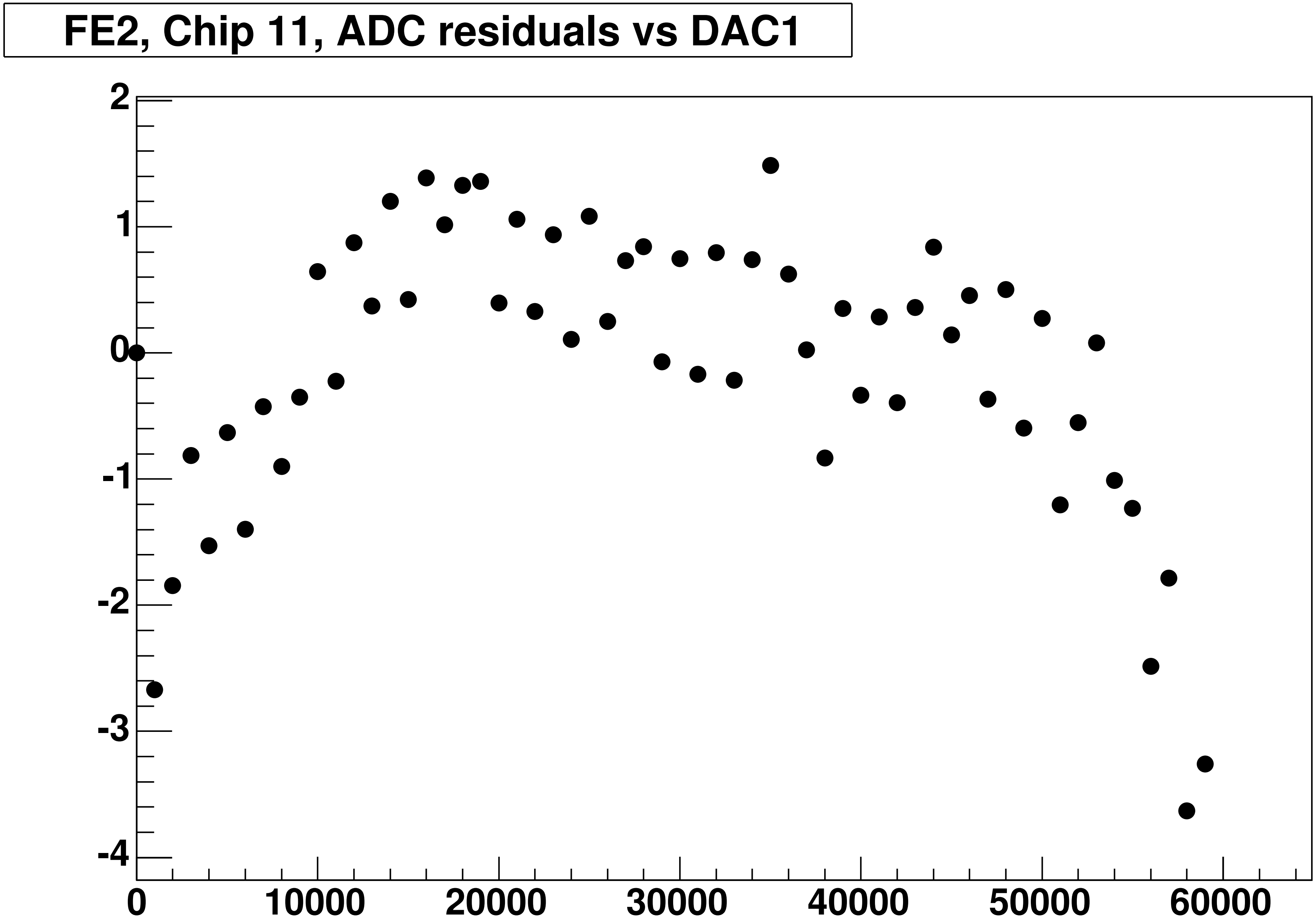


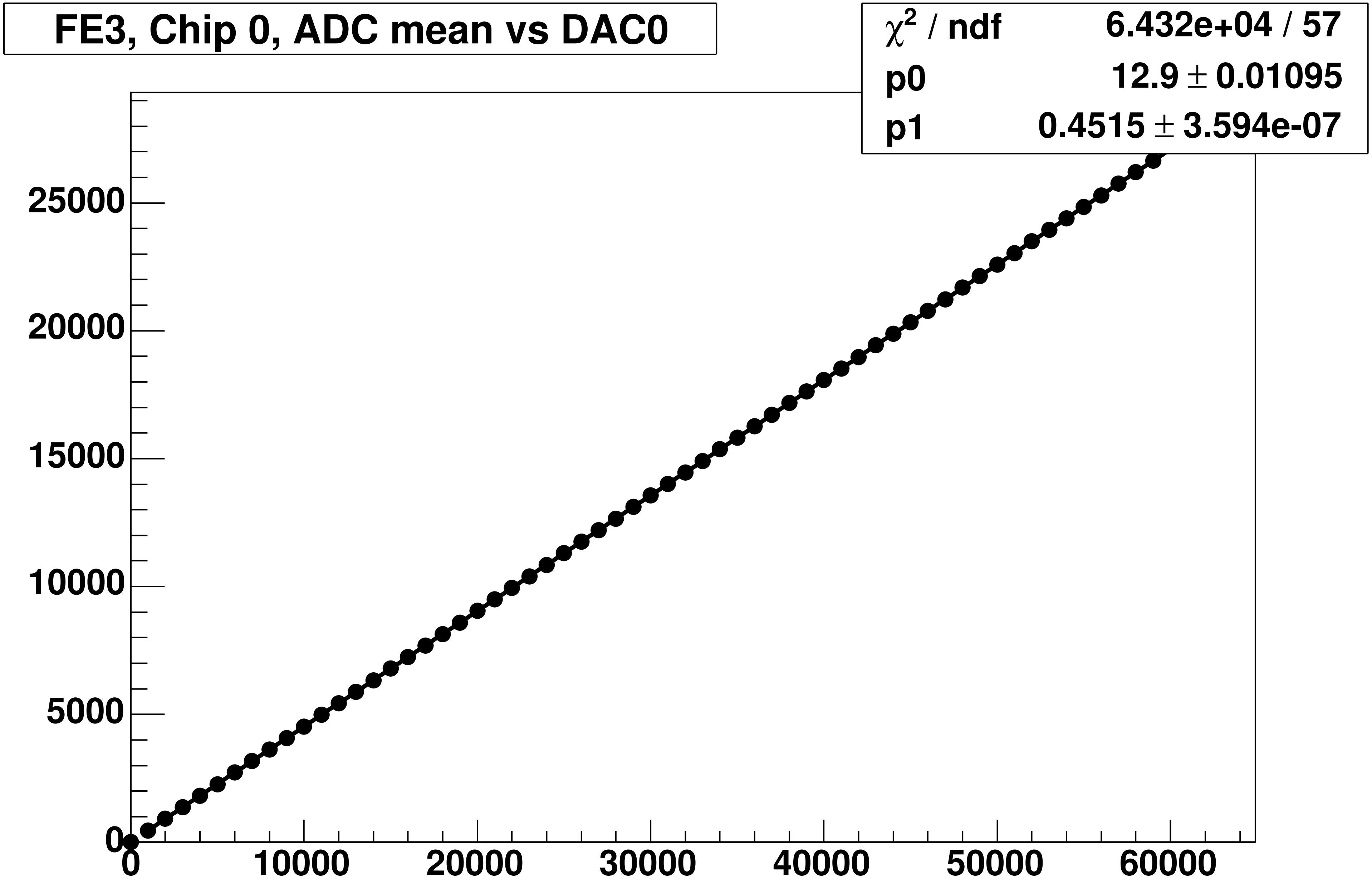
FE2, Chip 11, ADC noise vs DAC0
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

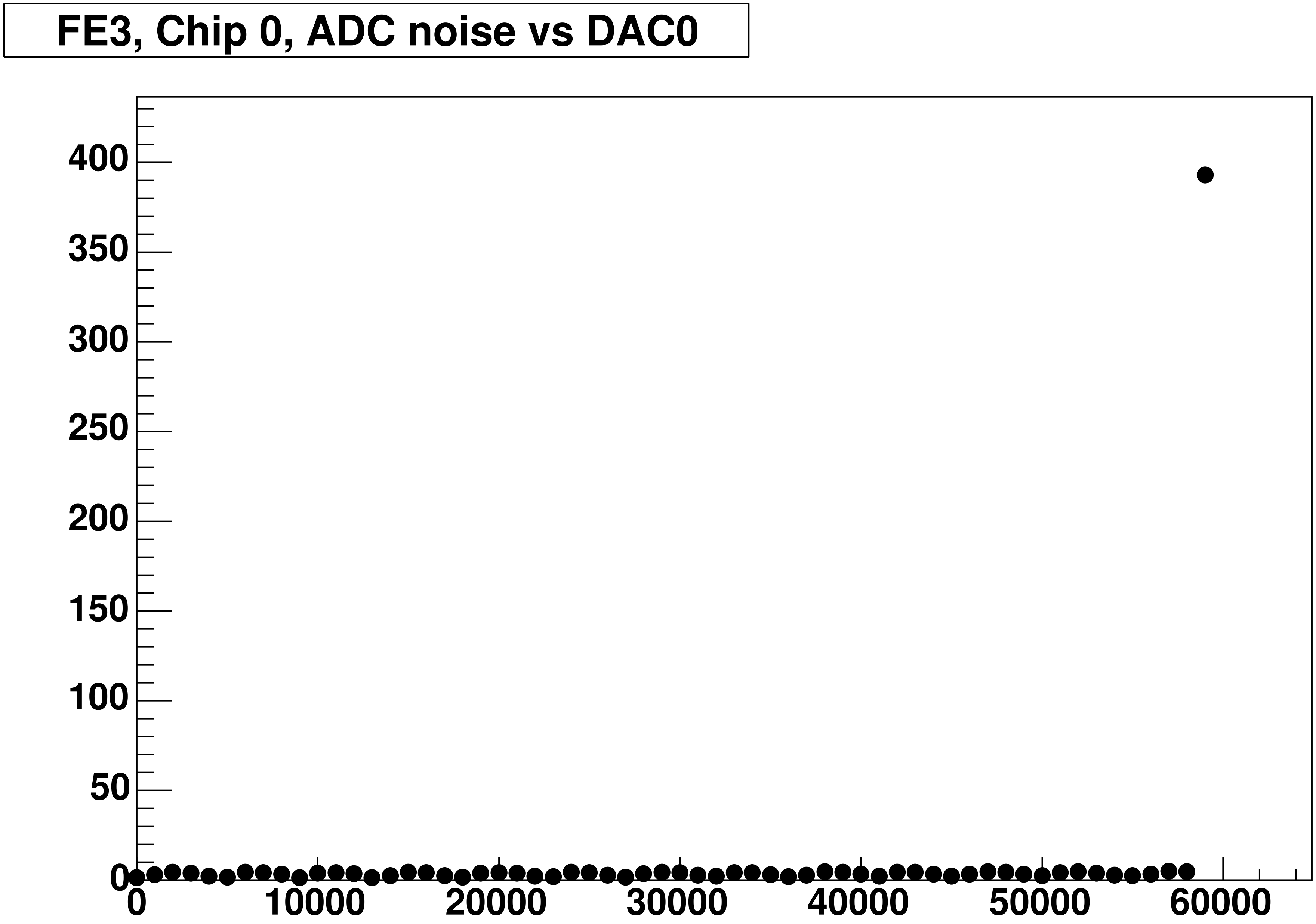

FE2, Chip 11, ADC residuals vs DAC0
0.2
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
0
10000
20000
30000
40000
50000
60000

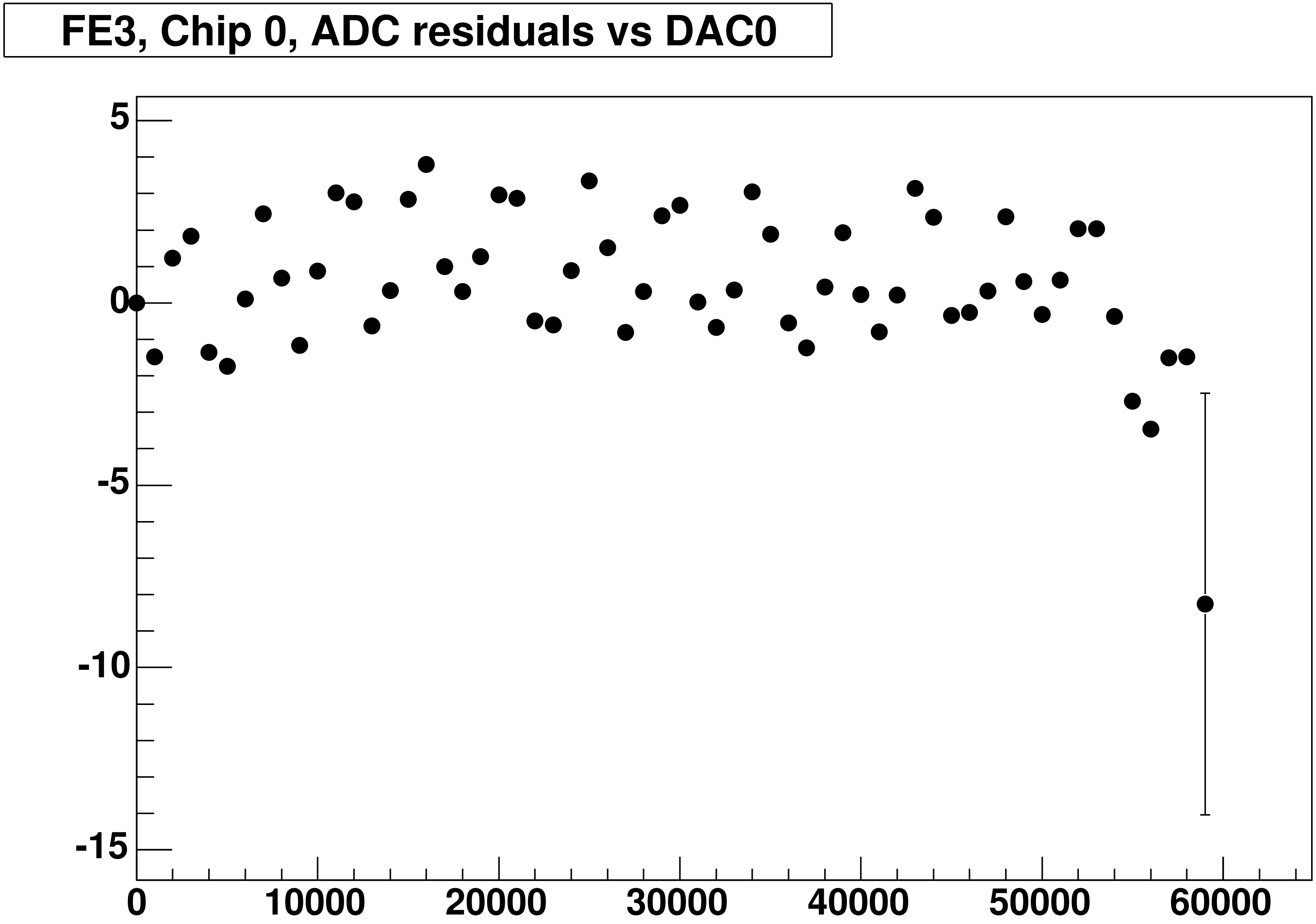

FE2, Chip 11, ADC mean vs DAC1
χ^2 / ndf 1.068e+05 / 57
p0 69.81 ± 0.005977
p1 0.451 ± 2.075e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

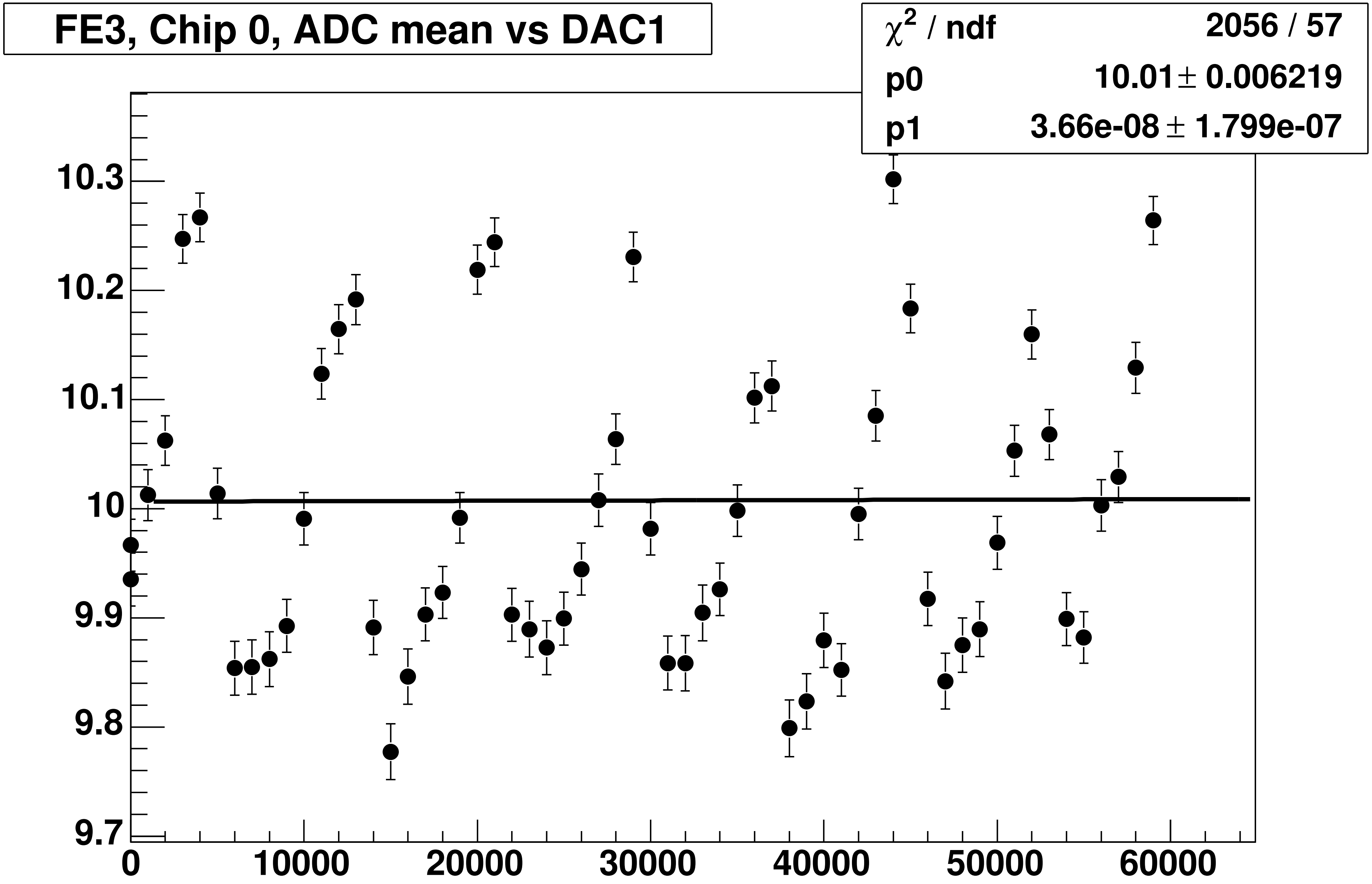

FE2, Chip 11, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2, Chip 11, ADC residuals vs DAC1
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000

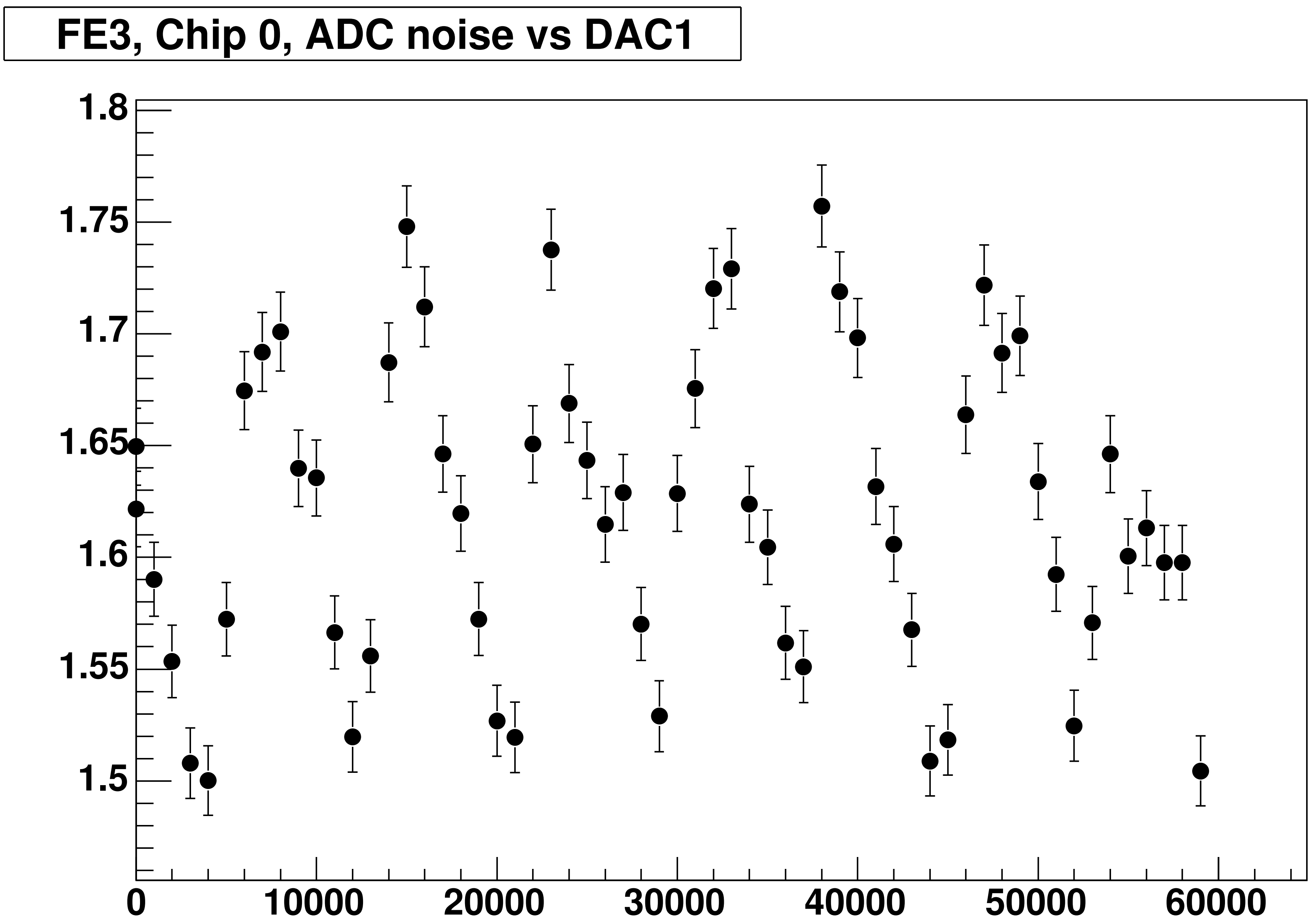

FE3, Chip 0, ADC mean vs DAC0
χ^2 / ndf 6.432e+04 / 57
p0 12.9 ± 0.01095
p1 0.4515 ± 3.594e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

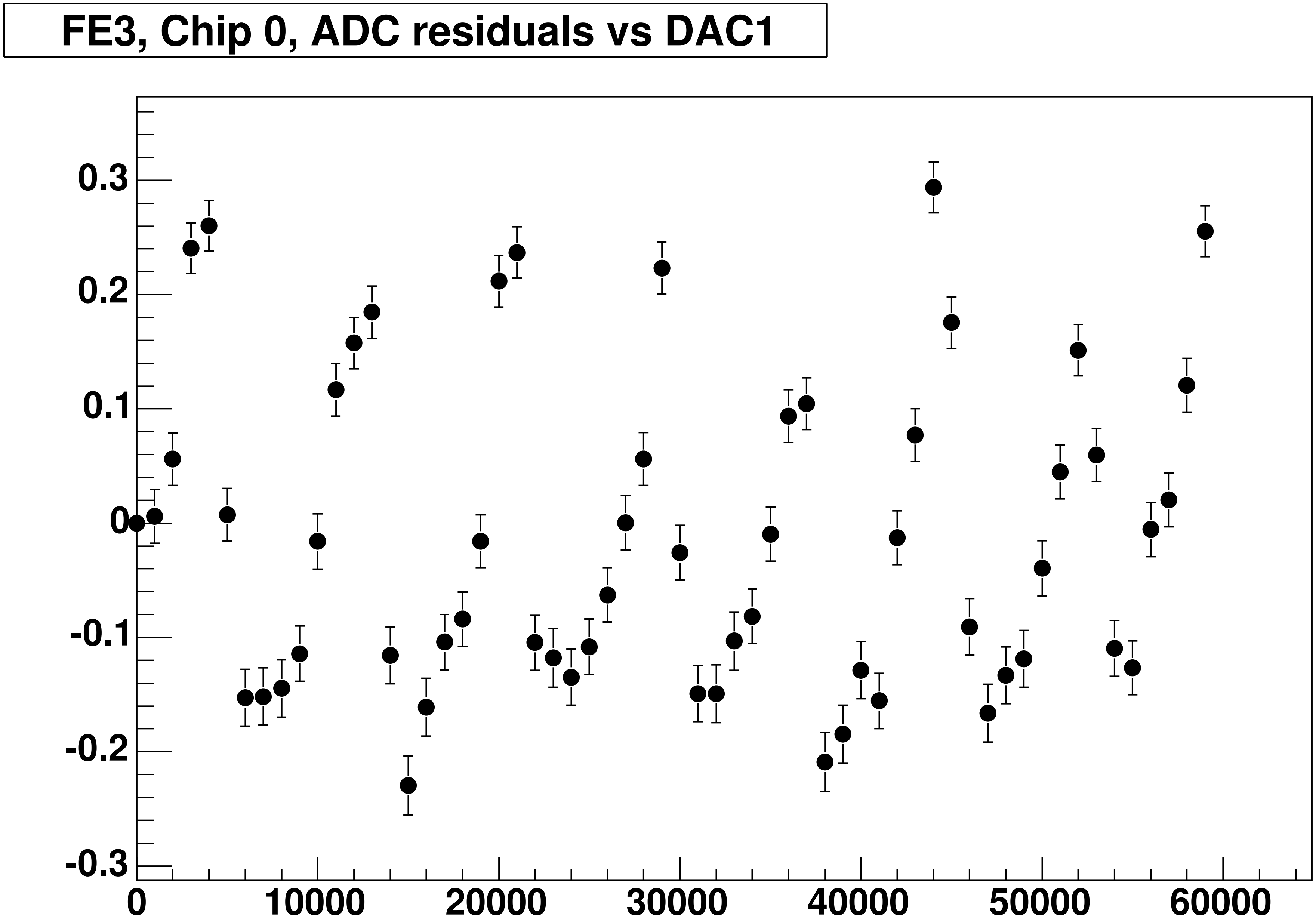

FE3, Chip 0, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000


FE3, Chip 0, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

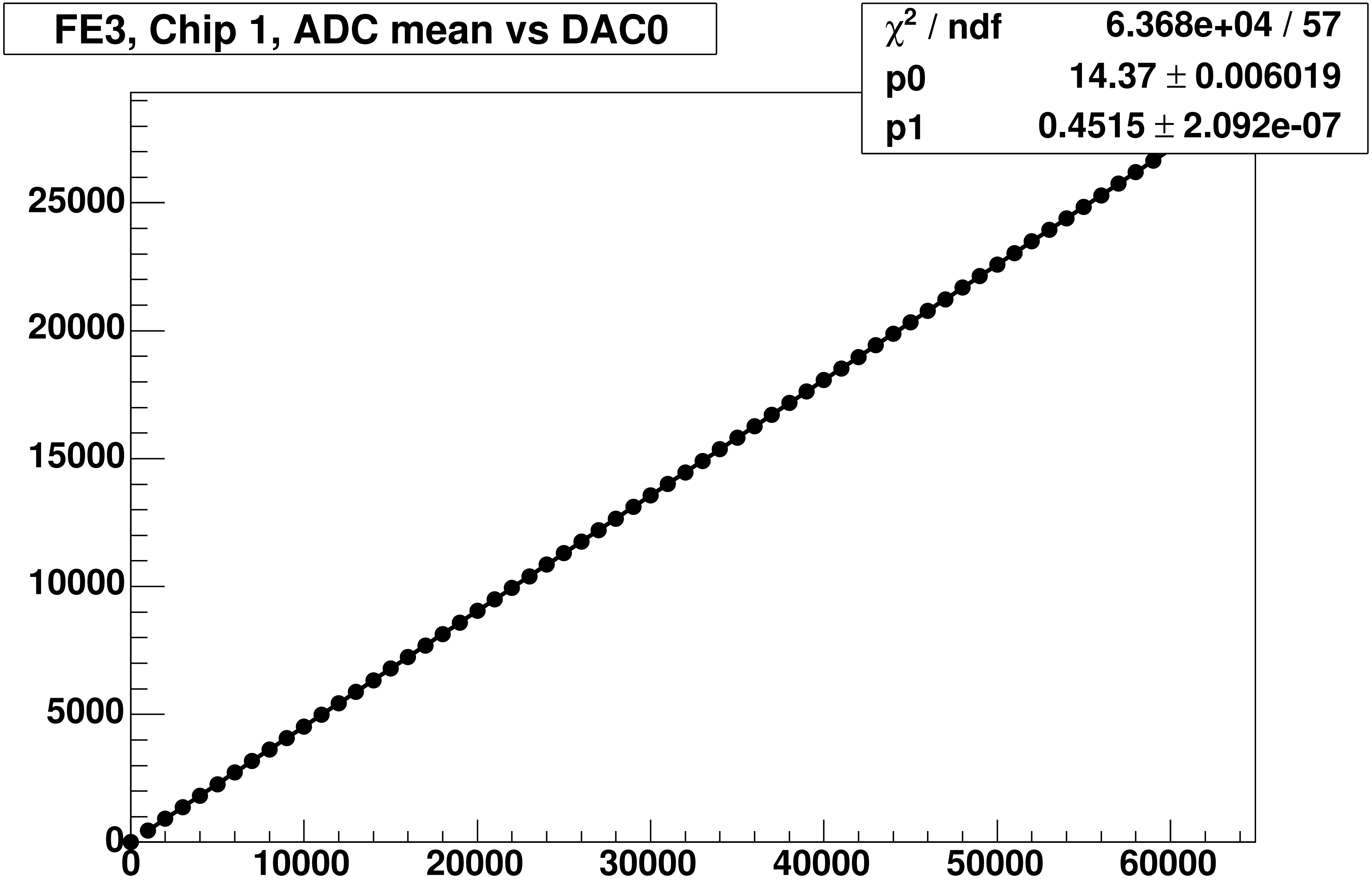


FE3, Chip 0, ADC mean vs DAC1
χ^2 / ndf 2056 / 57
p0 10.01 ± 0.006219
p1 3.66e-08 ± 1.799e-07
10.3
10.2
10.1
10
9.9
9.8
9.7
0
10000
20000
30000
40000
50000
60000

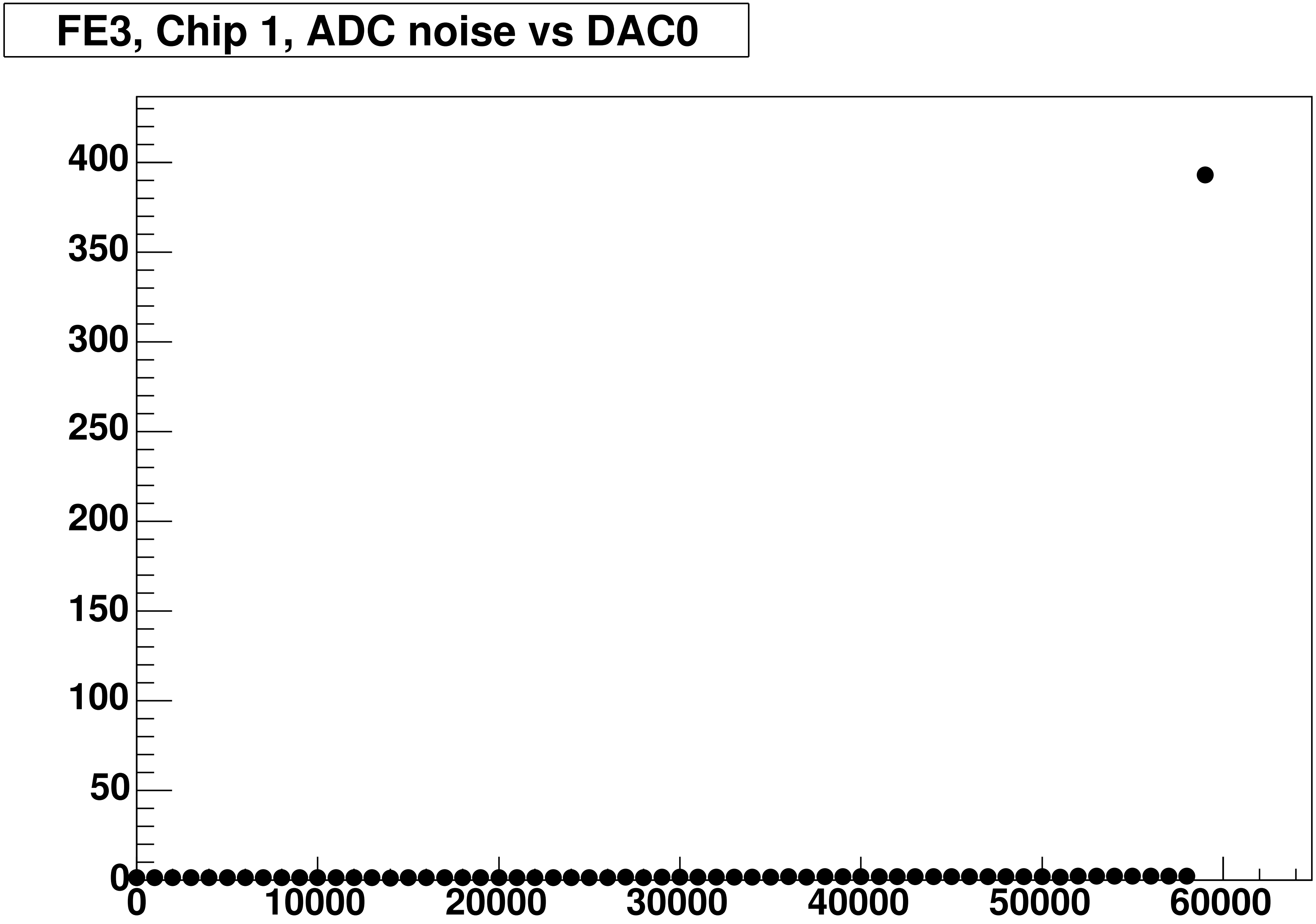

FE3, Chip 0, ADC noise vs DAC1
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

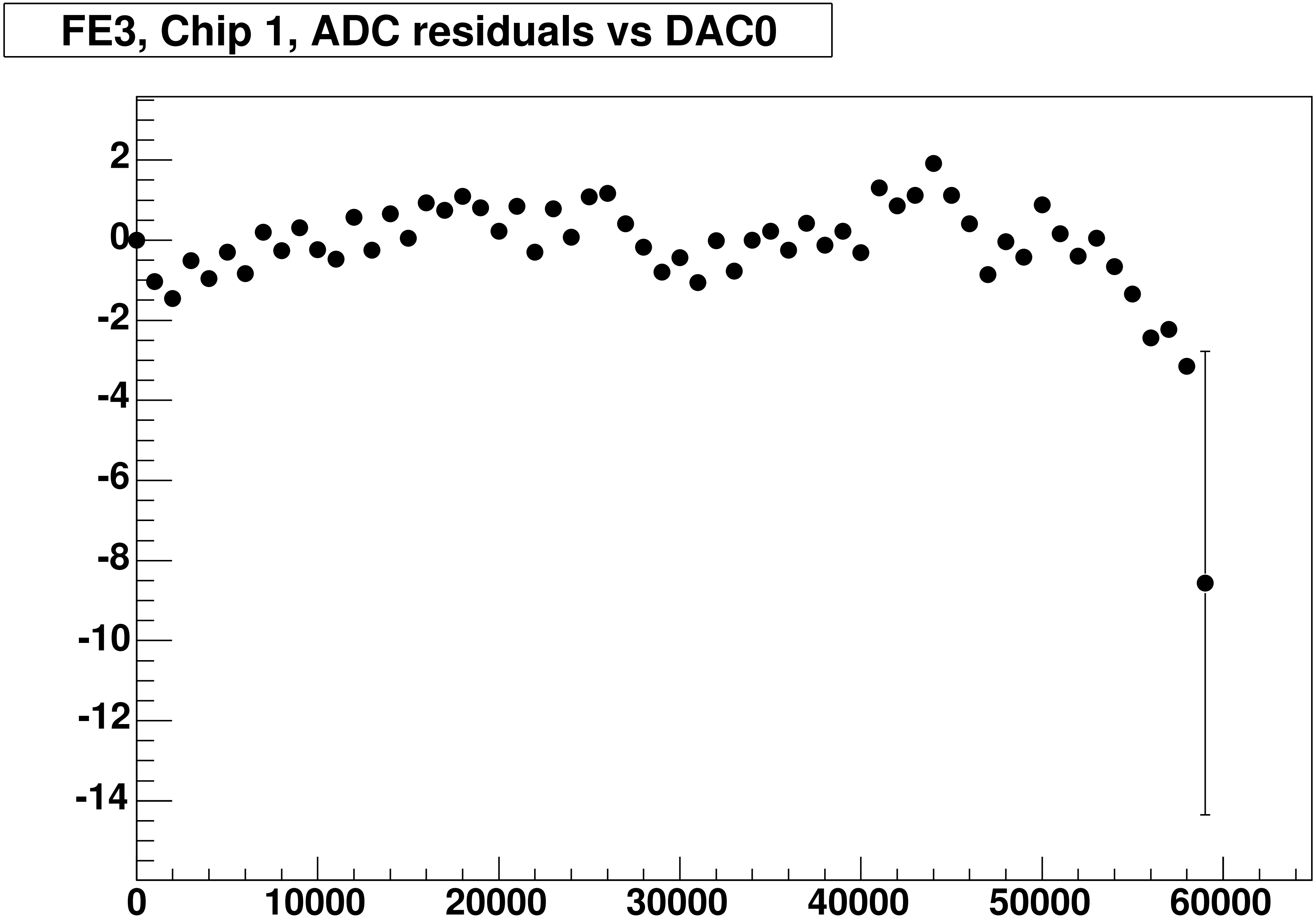


FE3, Chip 0, ADC residuals vs DAC1
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
0
10000
20000
30000
40000
50000
60000

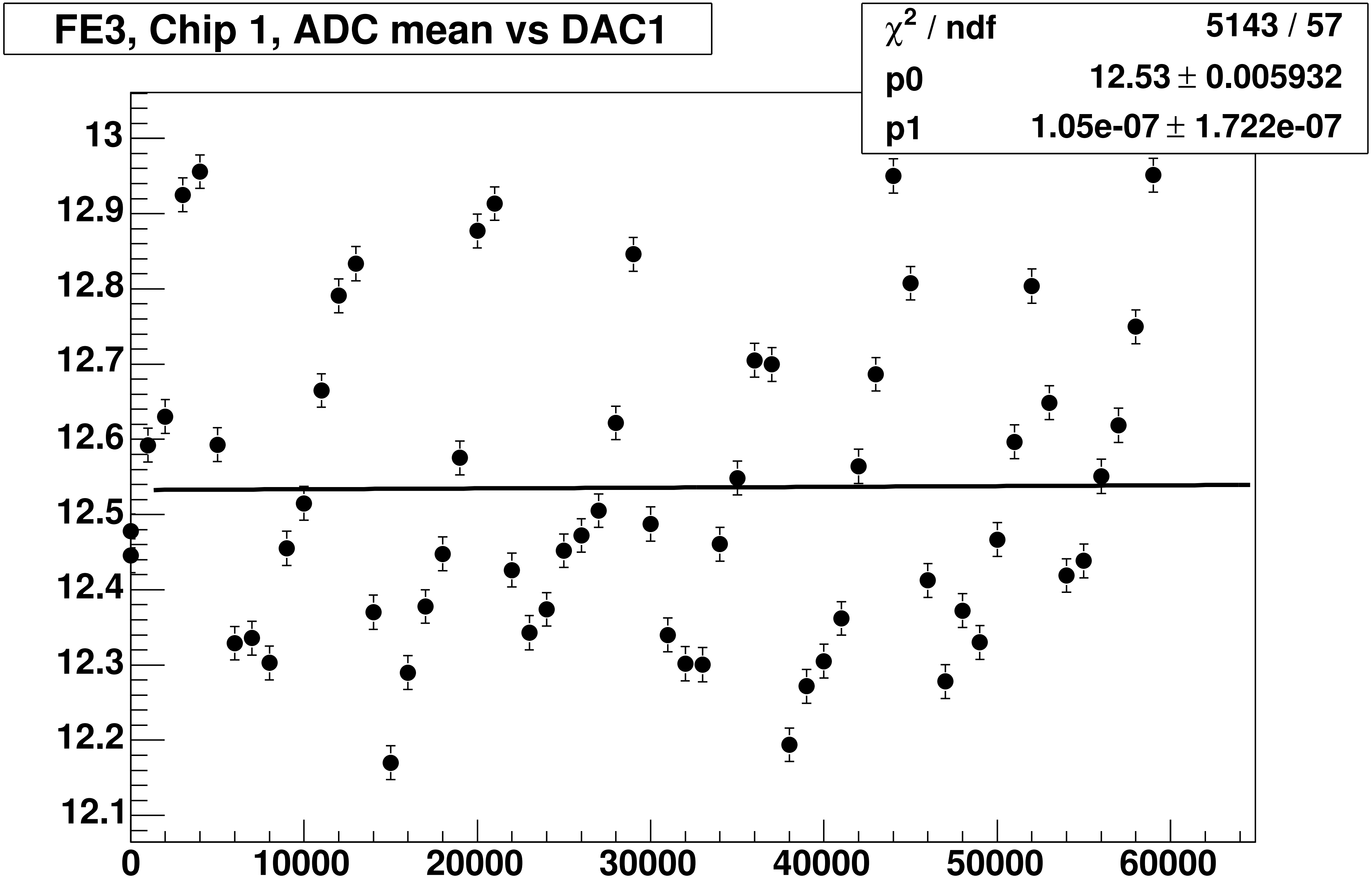


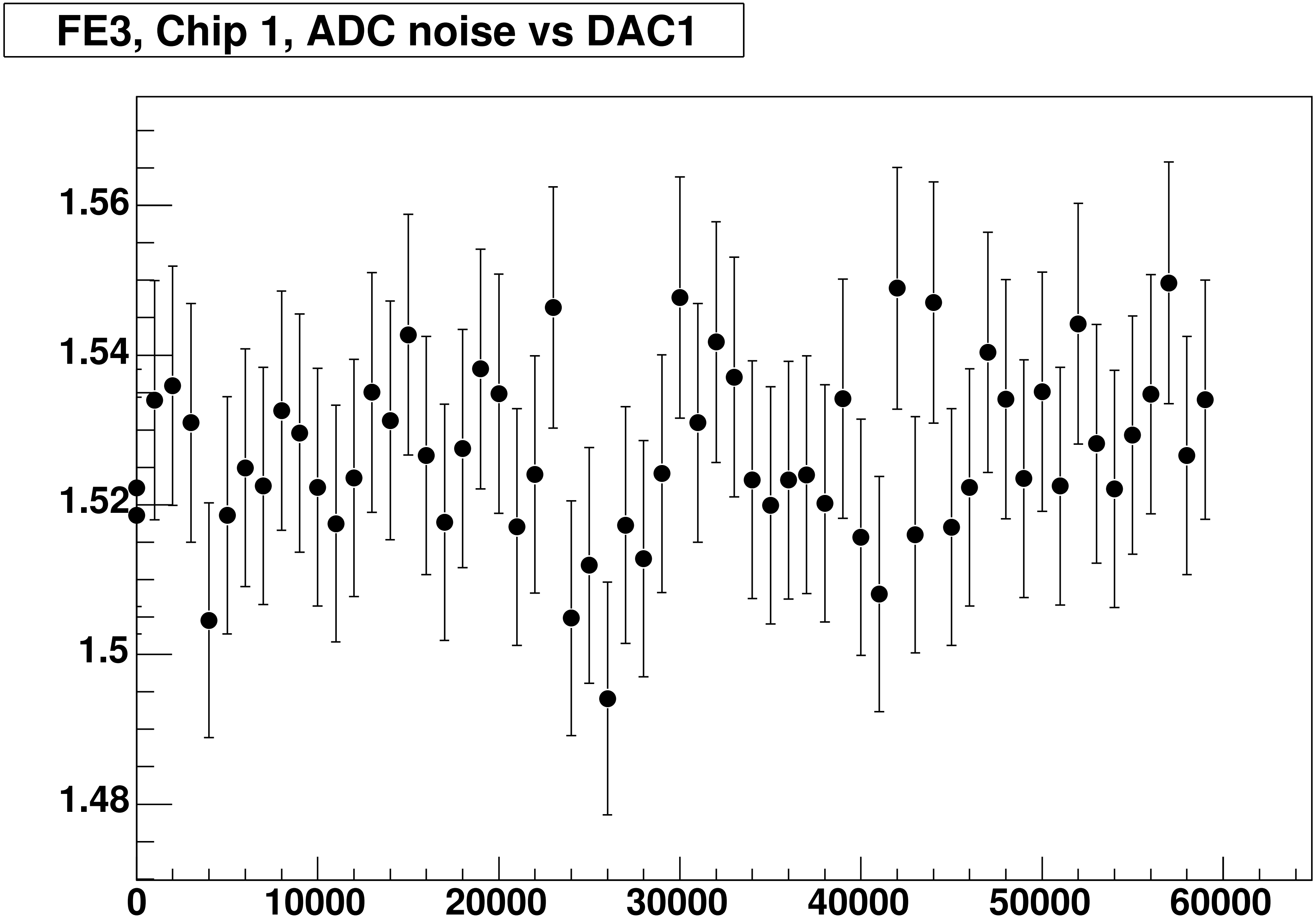
FE3, Chip 1, ADC mean vs DAC0
χ^2 / ndf 6.368e+04 / 57
p0 14.37 ± 0.006019
p1 0.4515 ± 2.092e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

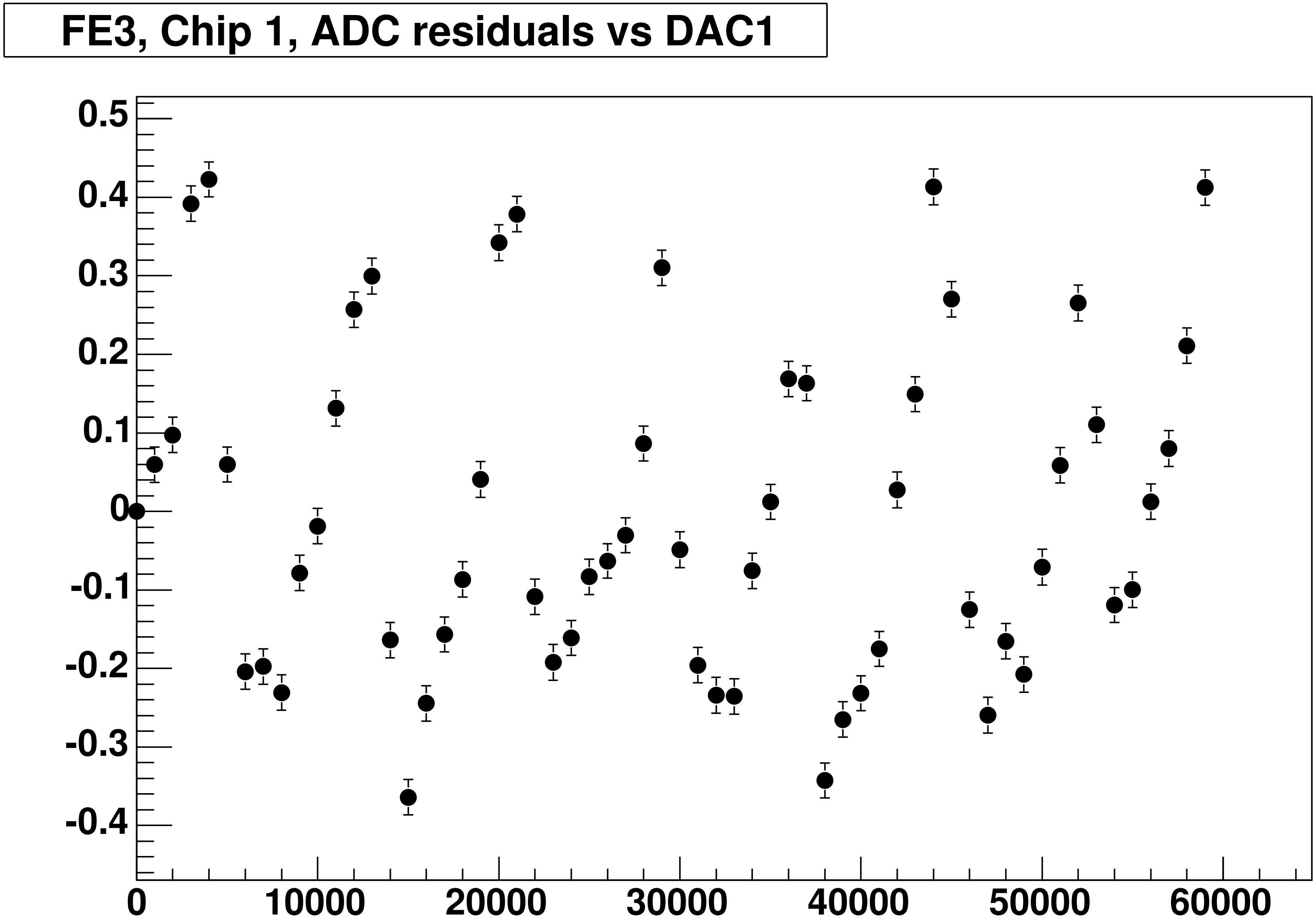

FE3, Chip 1, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000



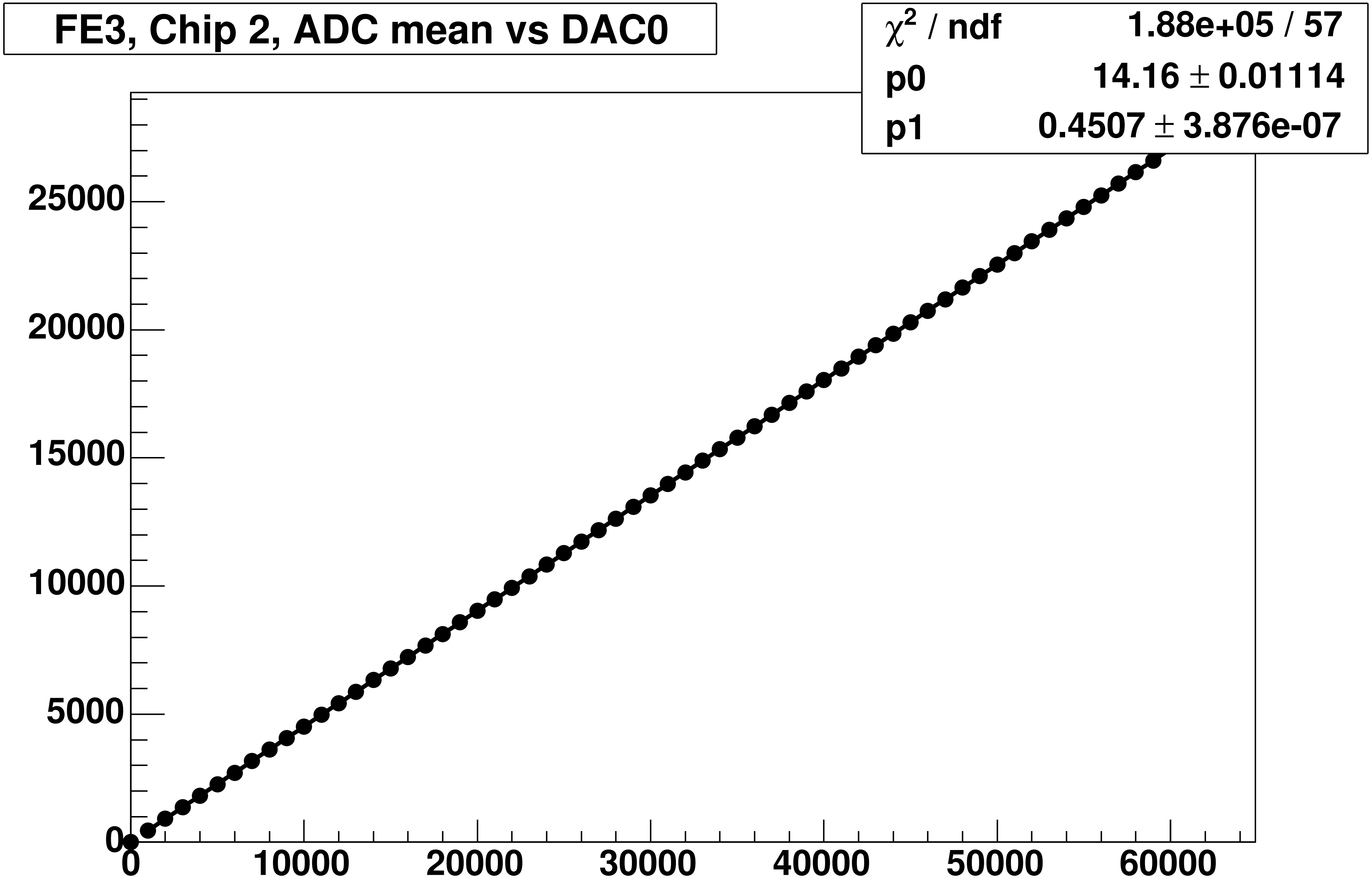
FE3, Chip 1, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
0
10000
20000
30000
40000
50000
60000

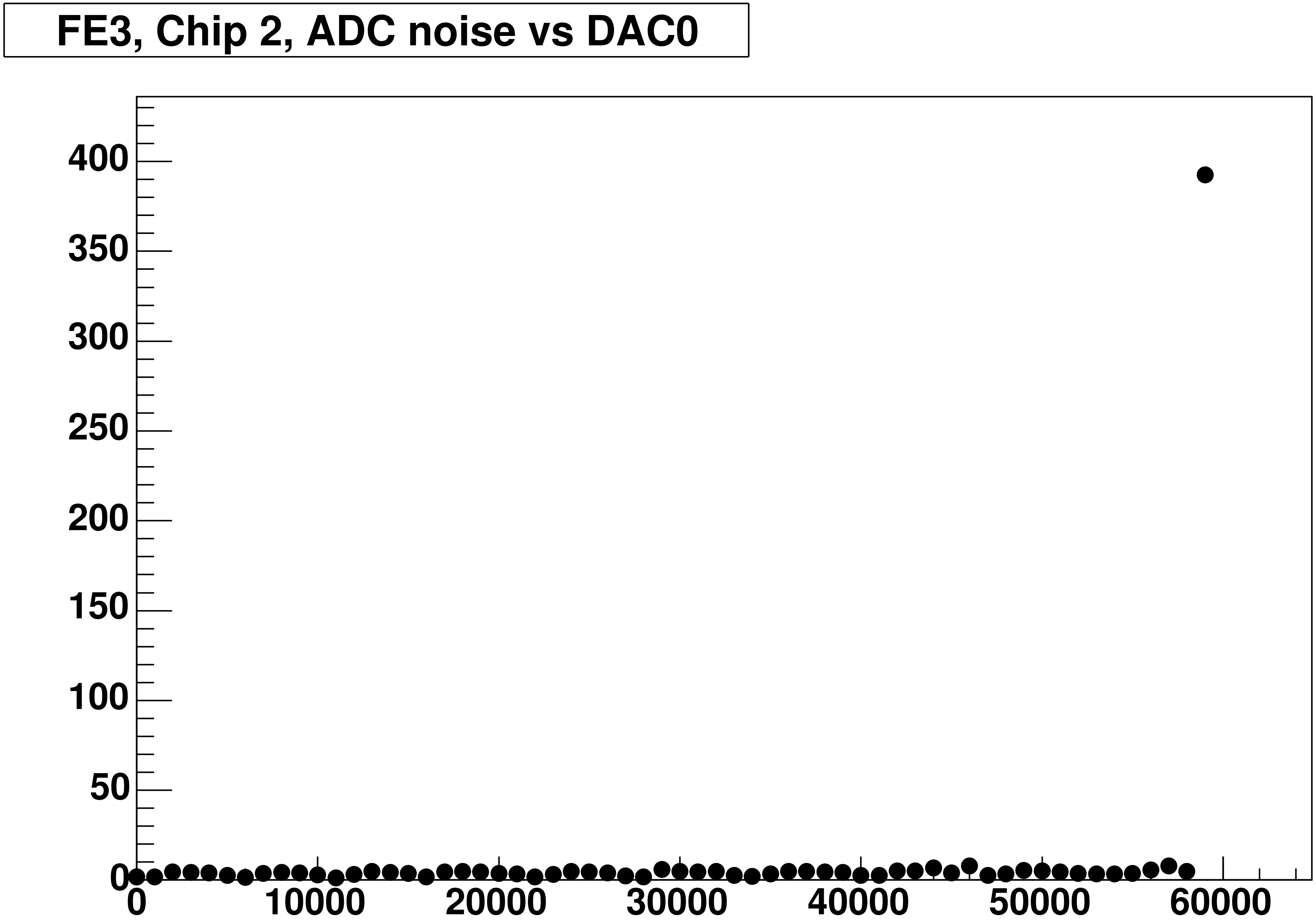

FE3, Chip 1, ADC mean vs DAC1
χ^2 / ndf 5143 / 57
p0 12.53 ± 0.005932
p1 1.05e-07 ± 1.722e-07
13
12.9
12.8
12.7
12.6
12.5
12.4
12.3
12.2
12.1
0
10000
20000
30000
40000
50000
60000


FE3, Chip 1, ADC noise vs DAC1
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

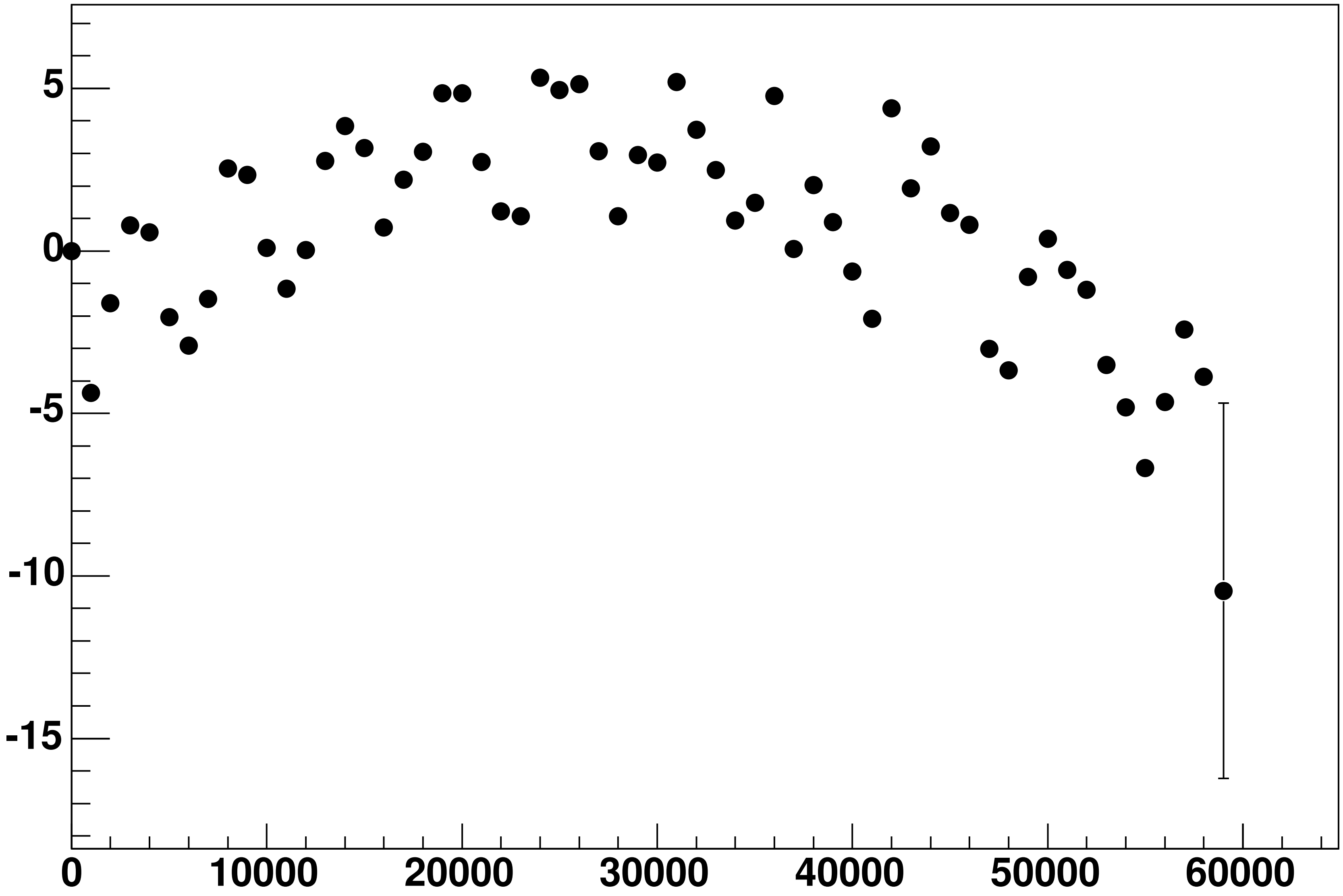


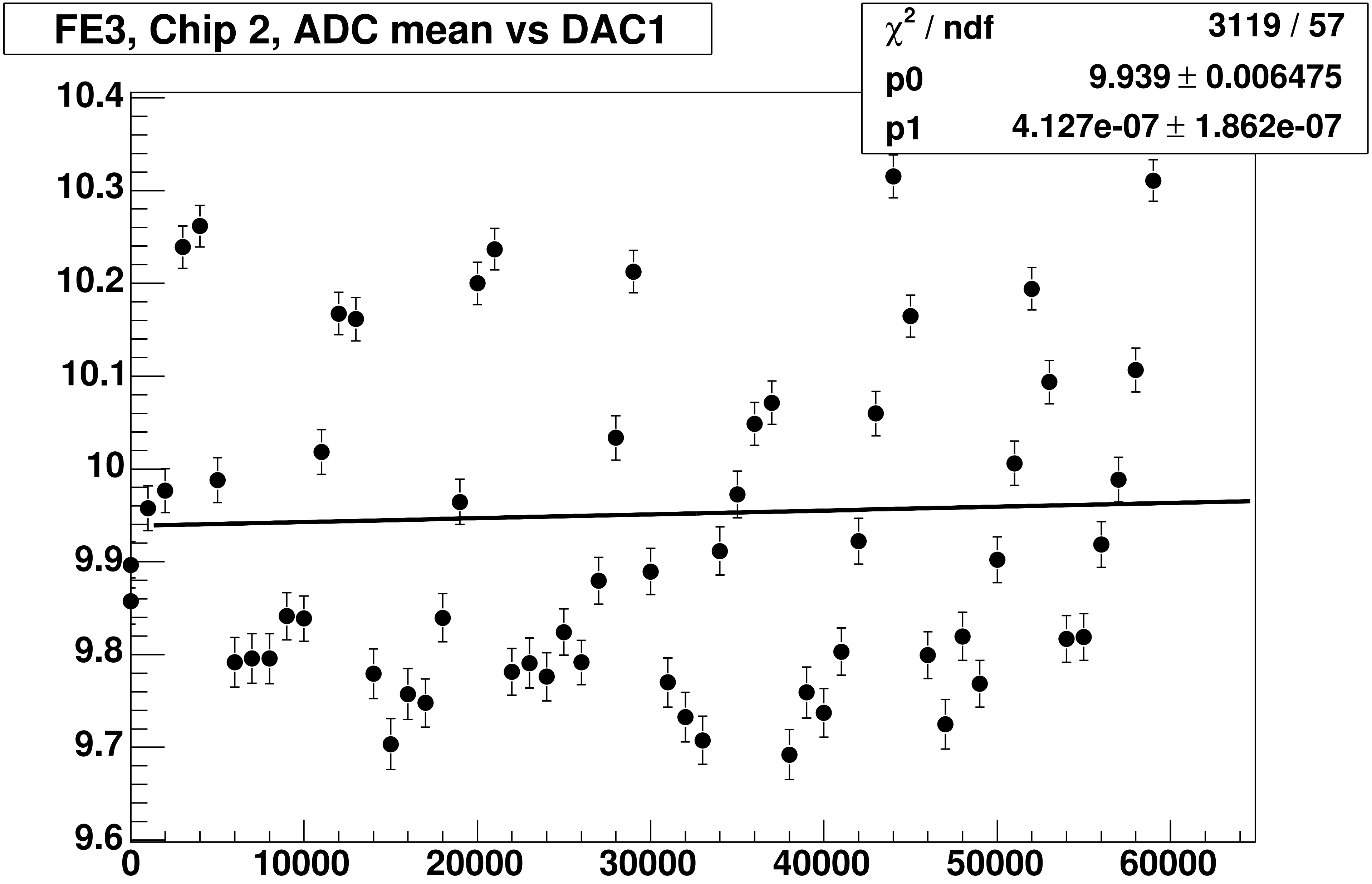
FE3, Chip 1, ADC residuals vs DAC1
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000


FE3, Chip 2, ADC mean vs DAC0
χ^2 / ndf 1.88e+05 / 57
p0 14.16 ± 0.01114
p1 0.4507 ± 3.876e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

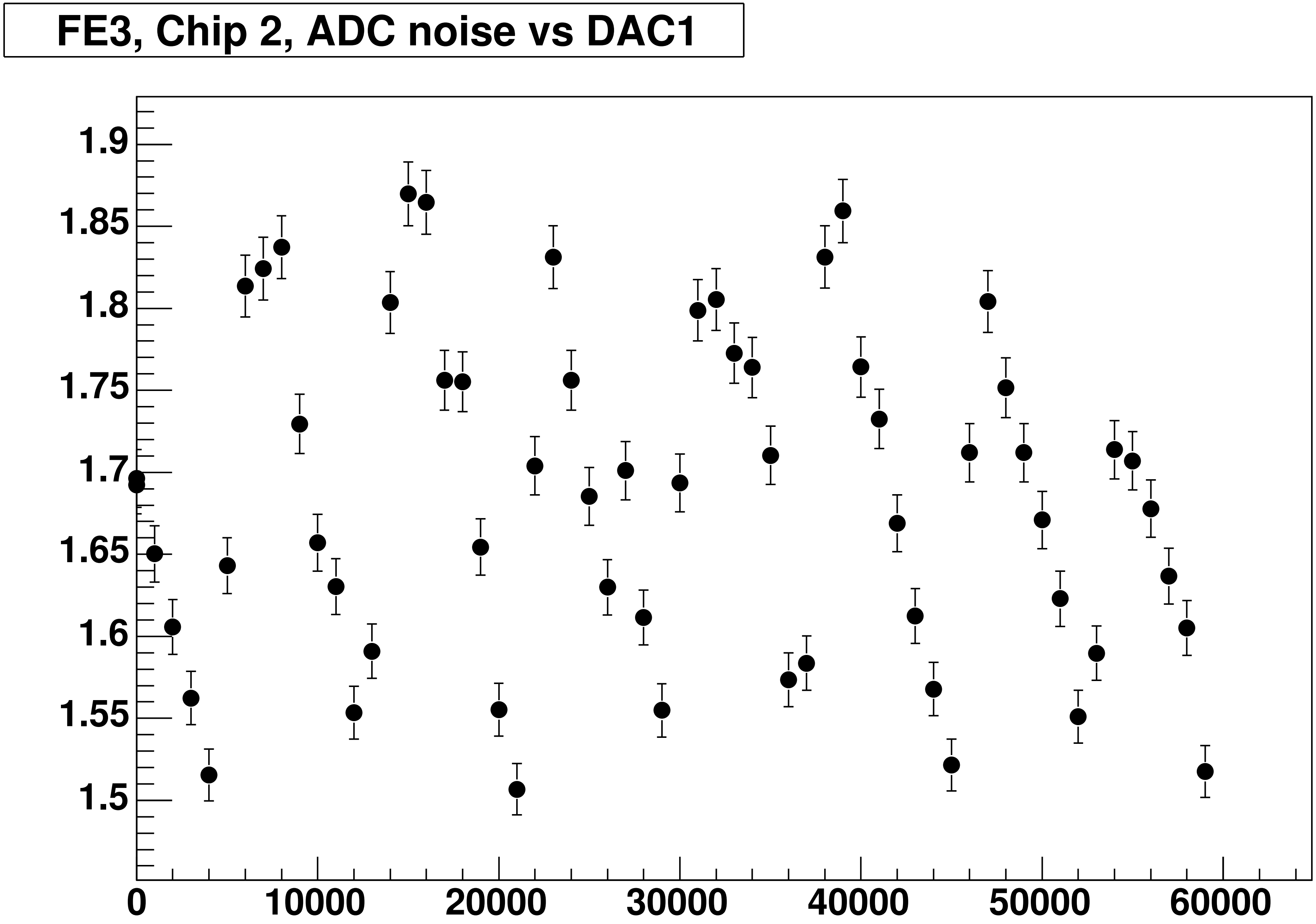

FE3, Chip 2, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

FE3, Chip 2, ADC residuals vs DAC0

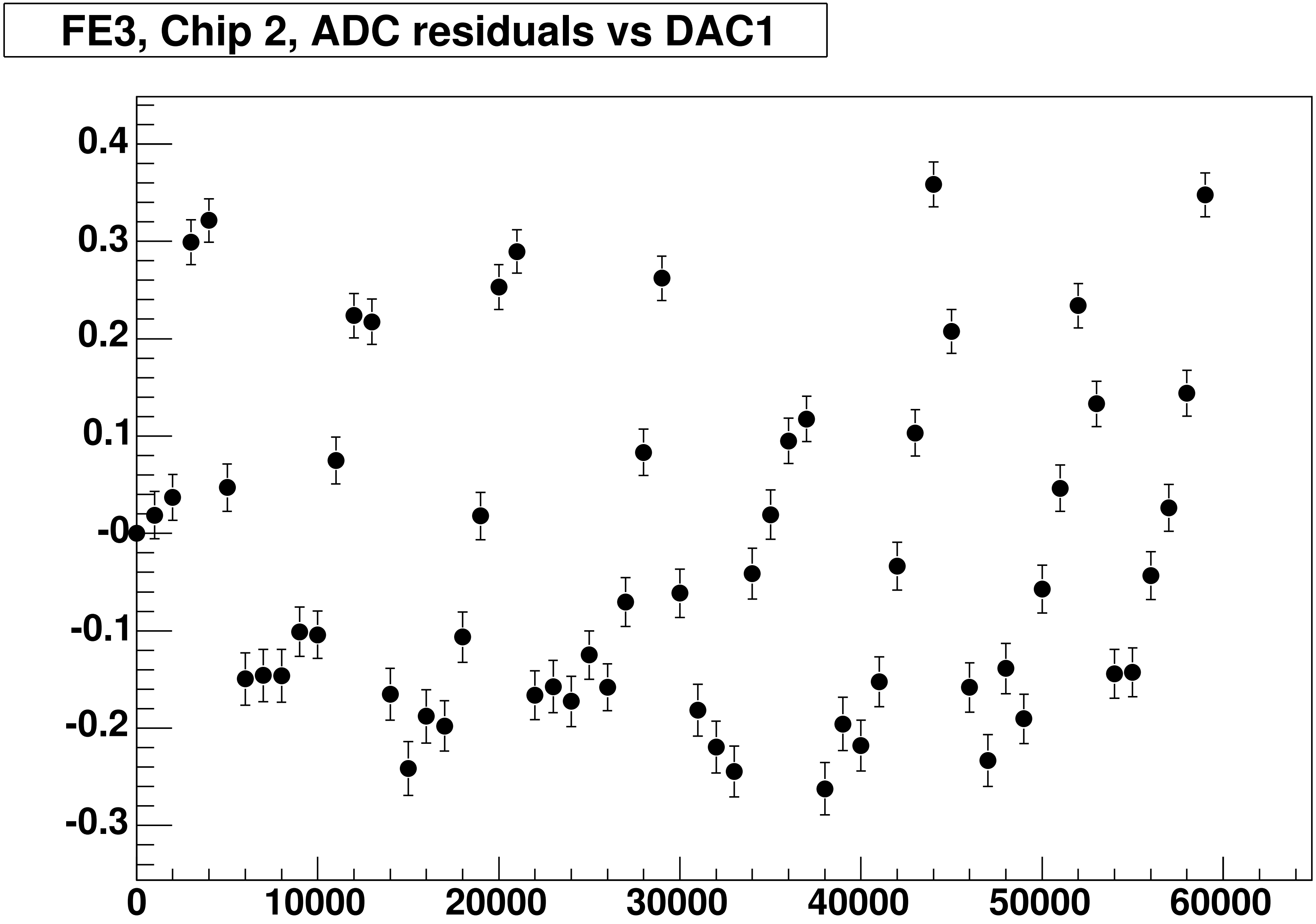




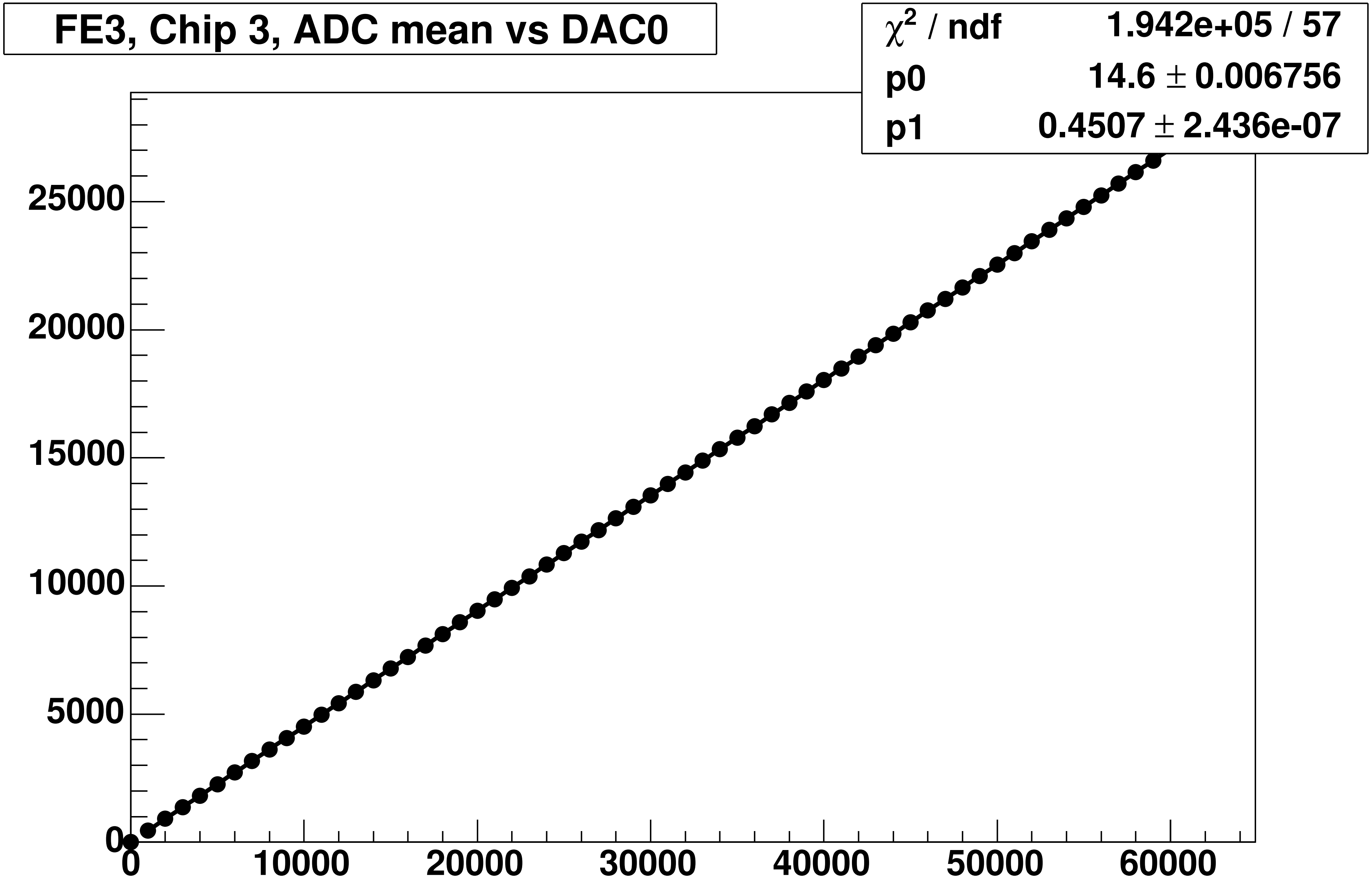
FE3, Chip 2, ADC mean vs DAC1
χ^2 / ndf 3119 / 57
p0 9.939 ± 0.006475
p1 4.127e-07 ± 1.862e-07
10.4
10.3
10.2
10.1
10
9.9
9.8
9.7
9.6
0
10000
20000
30000
40000
50000
60000

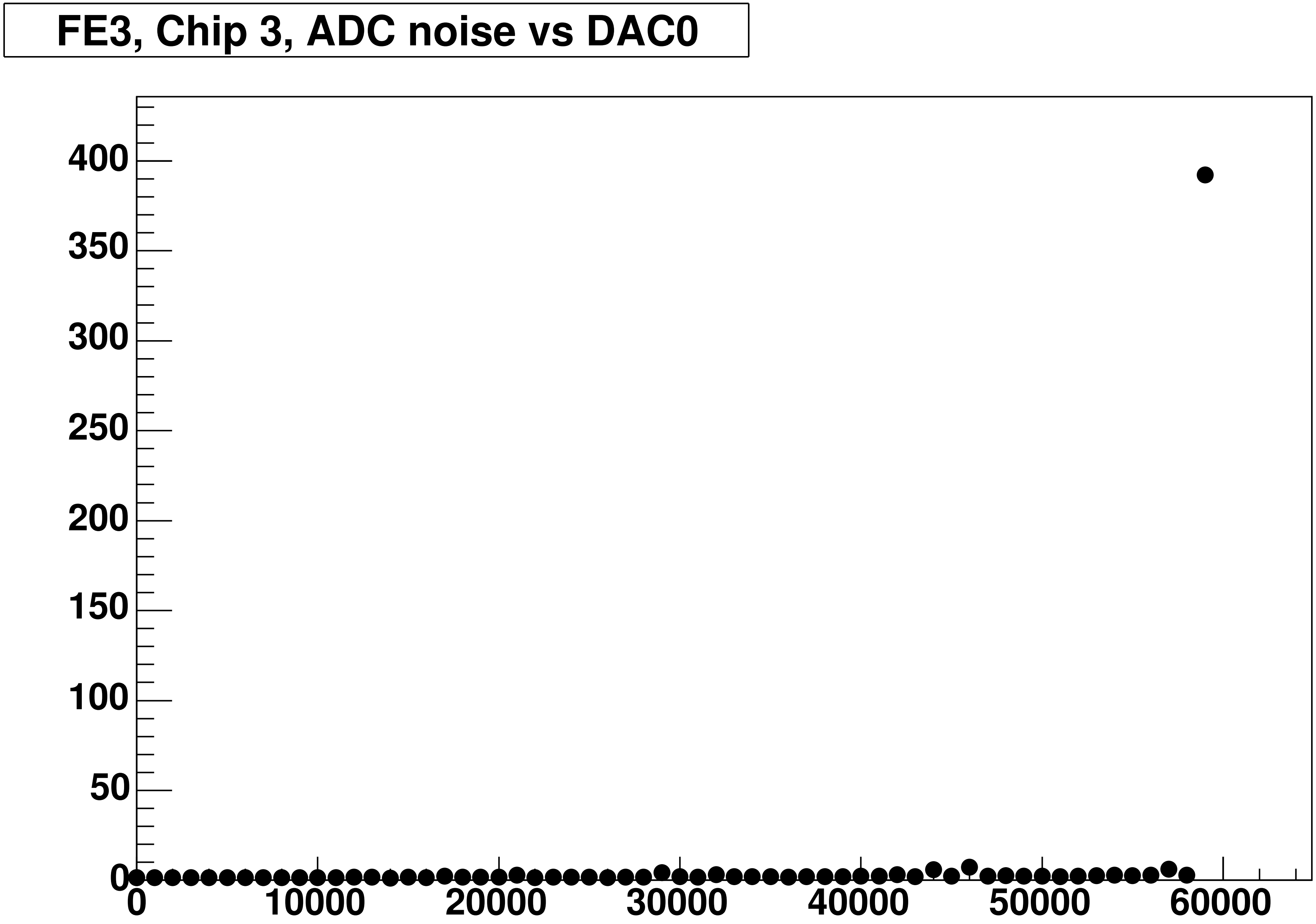


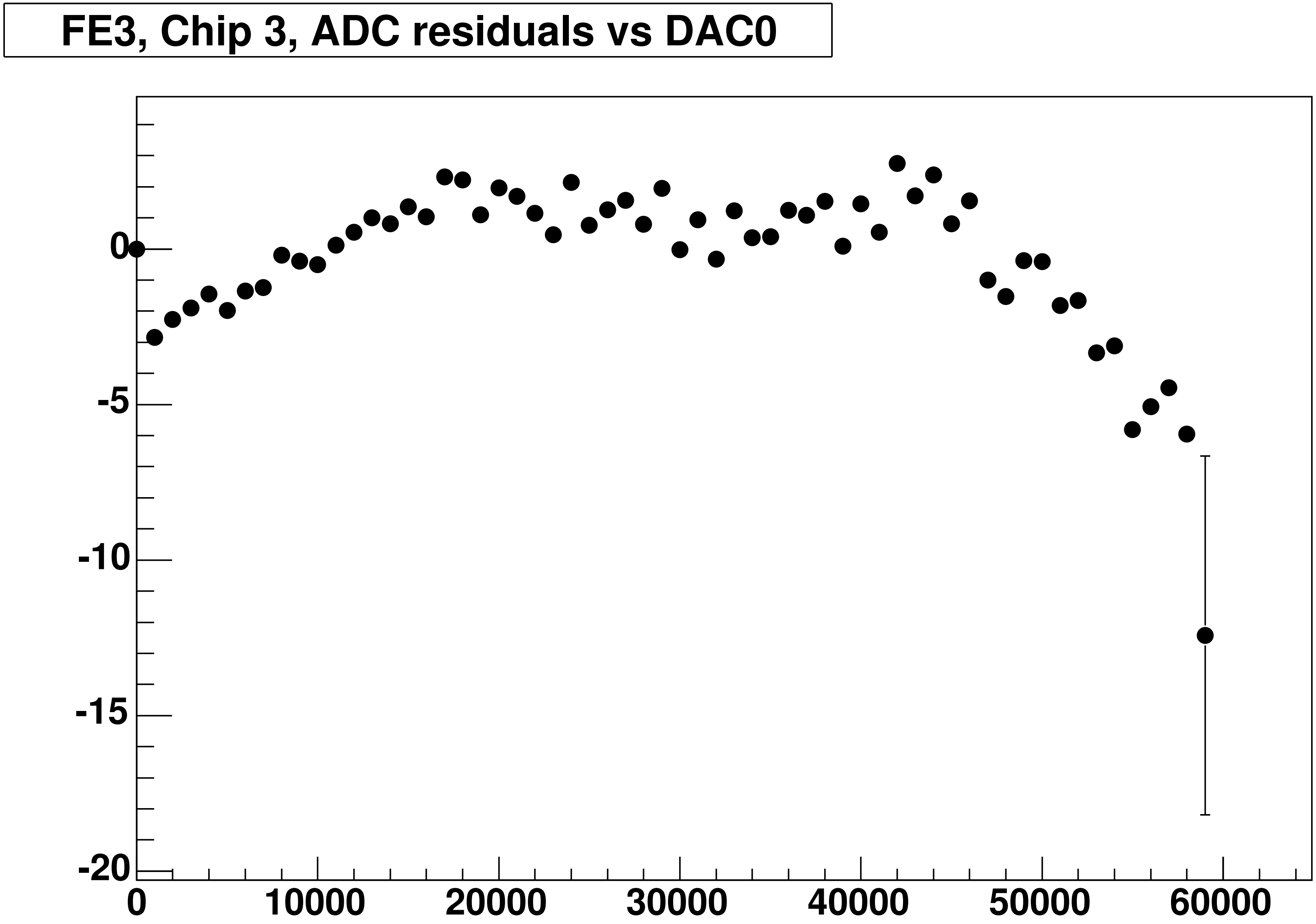
FE3, Chip 2, ADC noise vs DAC1
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000



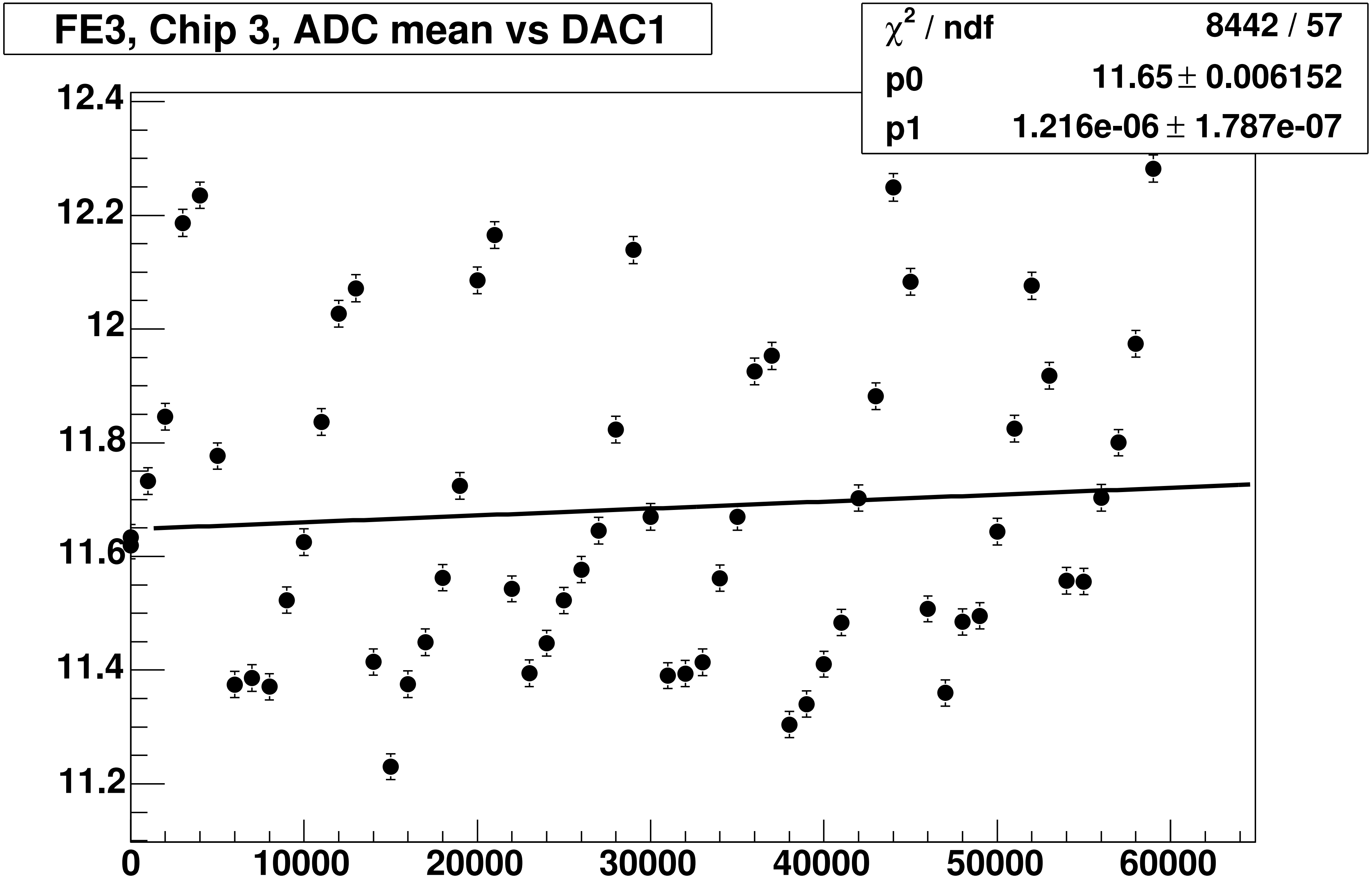
FE3, Chip 2, ADC residuals vs DAC1
0.4
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
0
10000
20000
30000
40000
50000
60000


FE3, Chip 3, ADC mean vs DAC0
χ^2 / ndf 1.942e+05 / 57
p0 14.6 ± 0.006756
p1 0.4507 ± 2.436e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

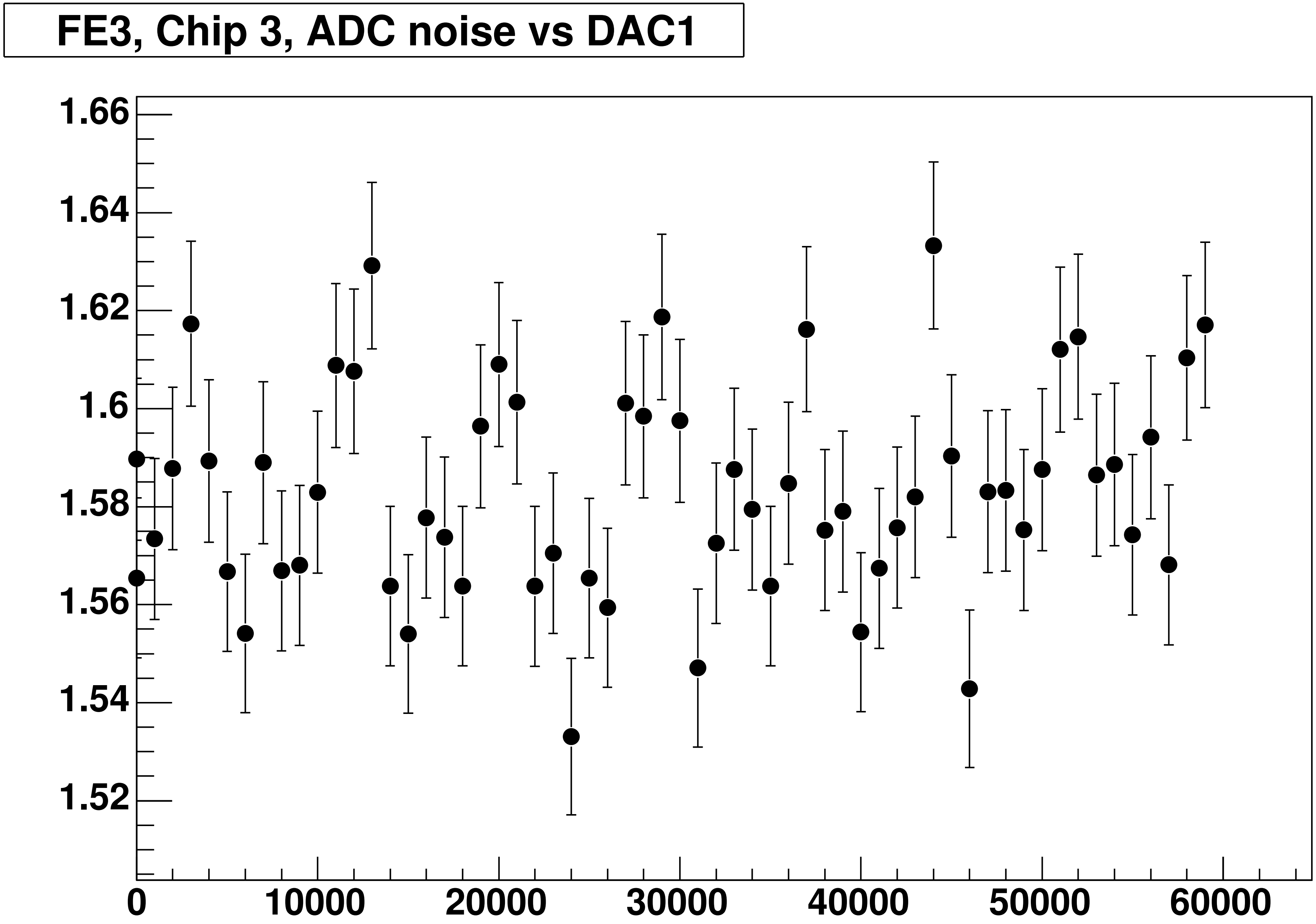

FE3, Chip 3, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000



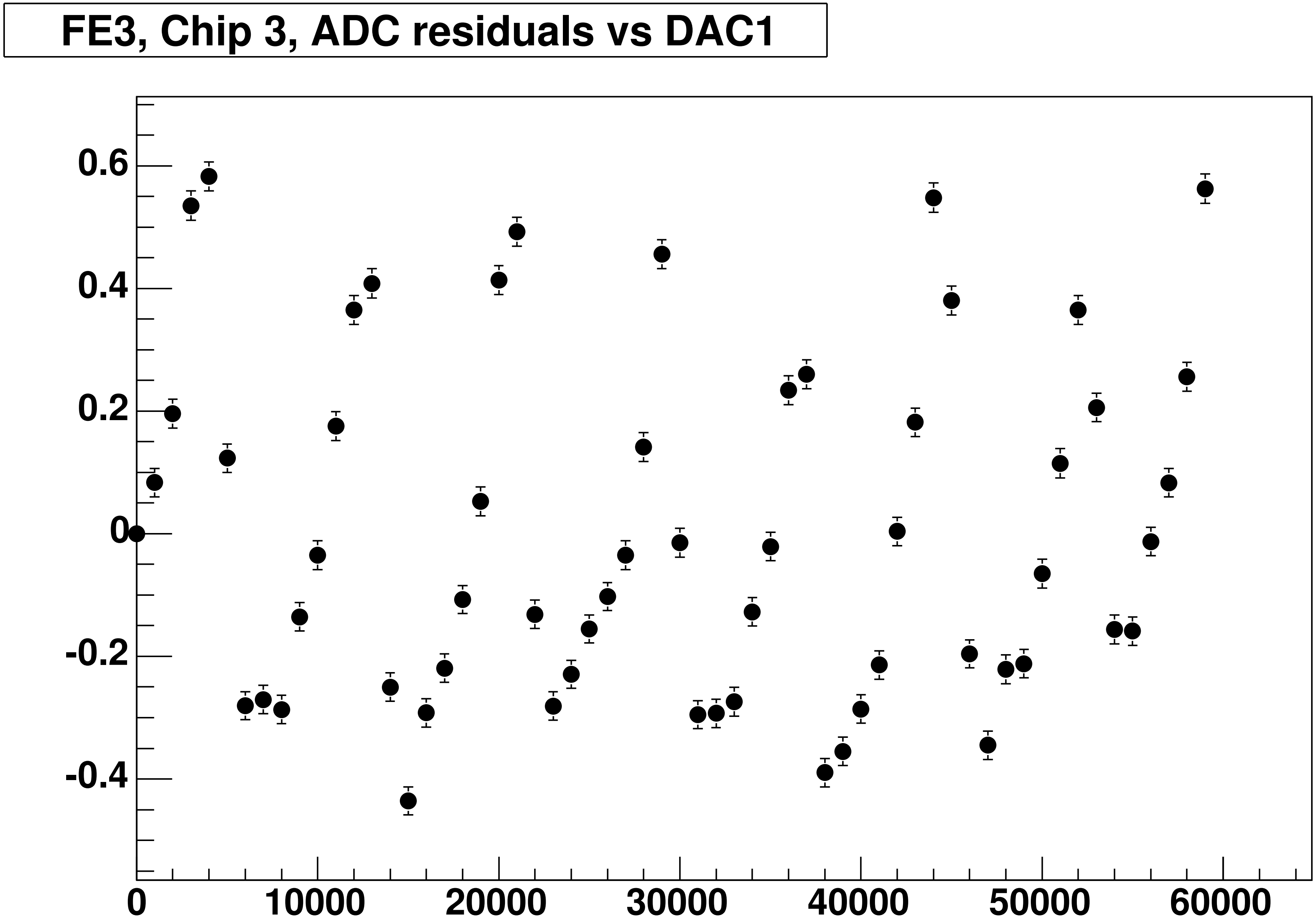
FE3, Chip 3, ADC residuals vs DAC0
0
-5
-10
-15
-20
0
10000
20000
30000
40000
50000
60000



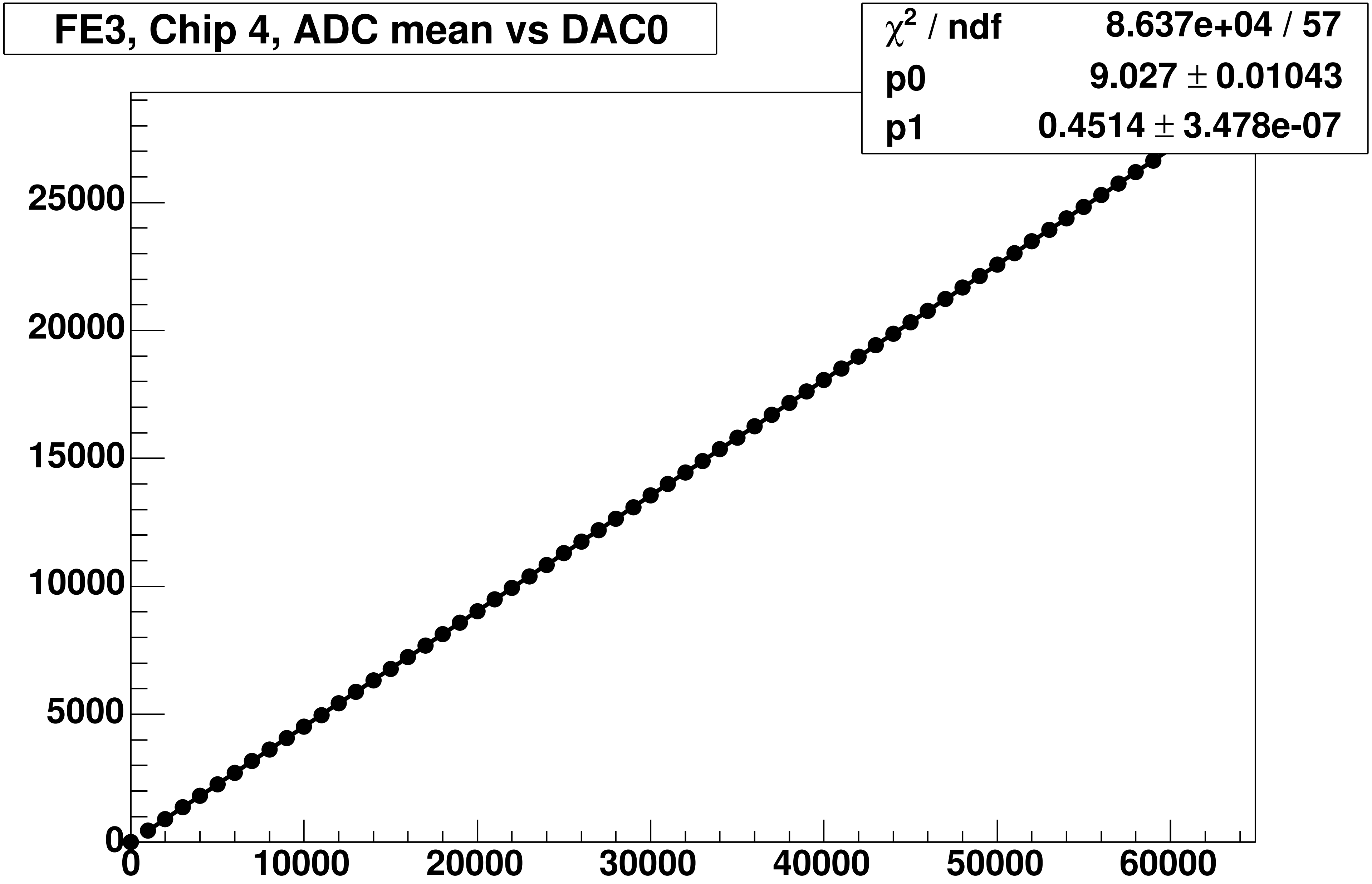
FE3, Chip 3, ADC mean vs DAC1
χ^2 / ndf 8442 / 57
p0 11.65 ± 0.006152
p1 1.216e-06 ± 1.787e-07
12.4
12.2
12
11.8
11.6
11.4
11.2
0
10000
20000
30000
40000
50000
60000

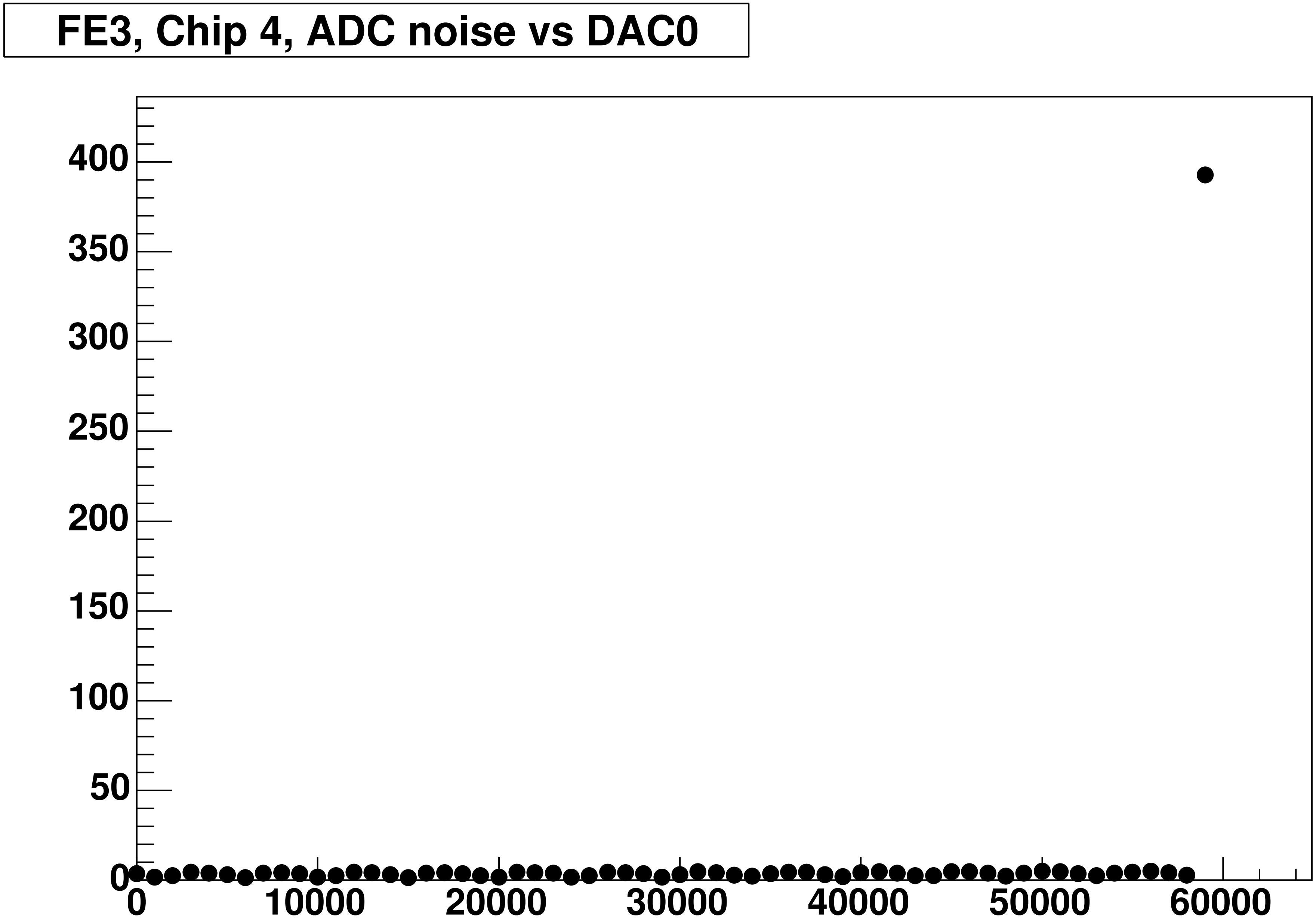


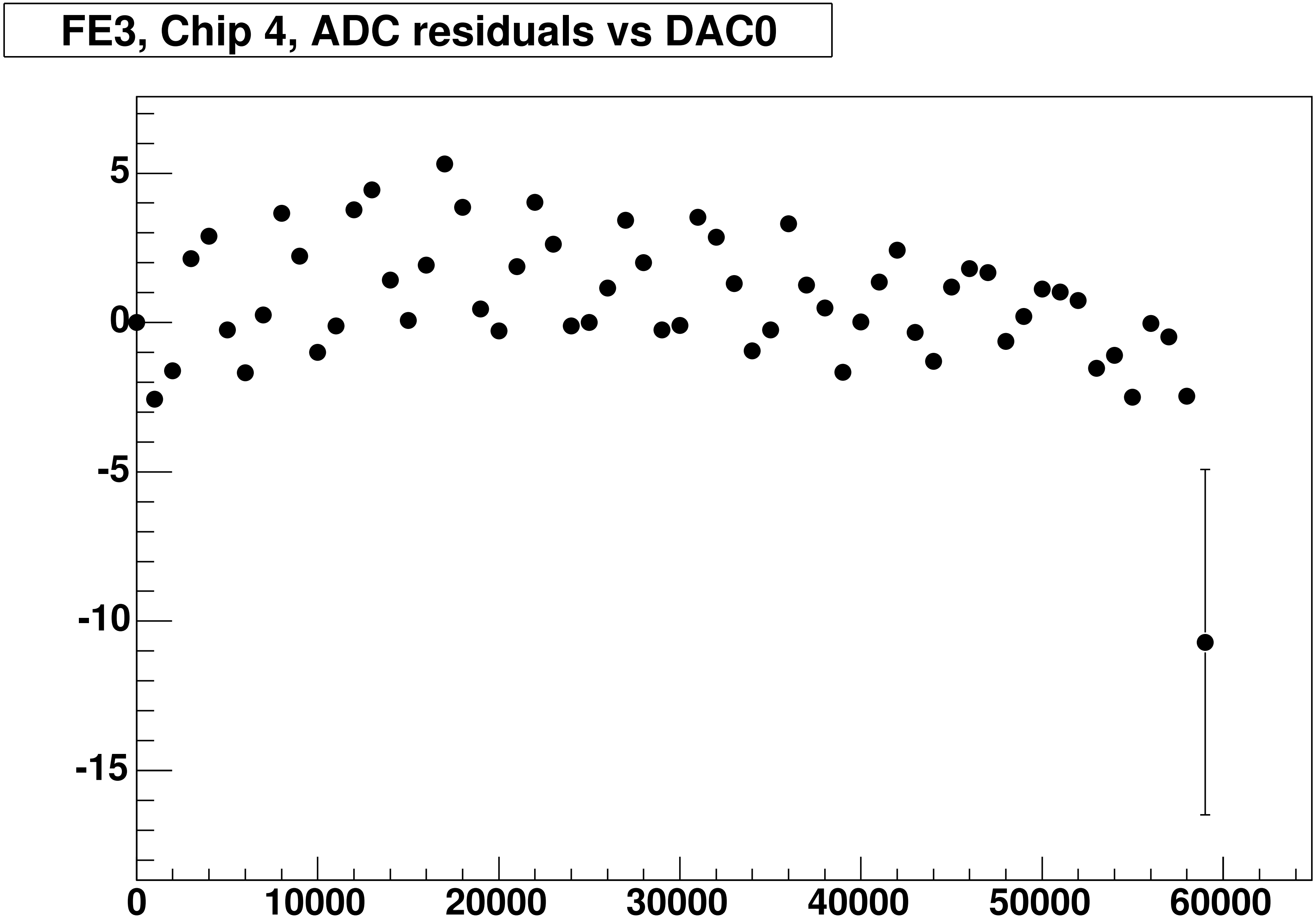
FE3, Chip 3, ADC noise vs DAC1
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000

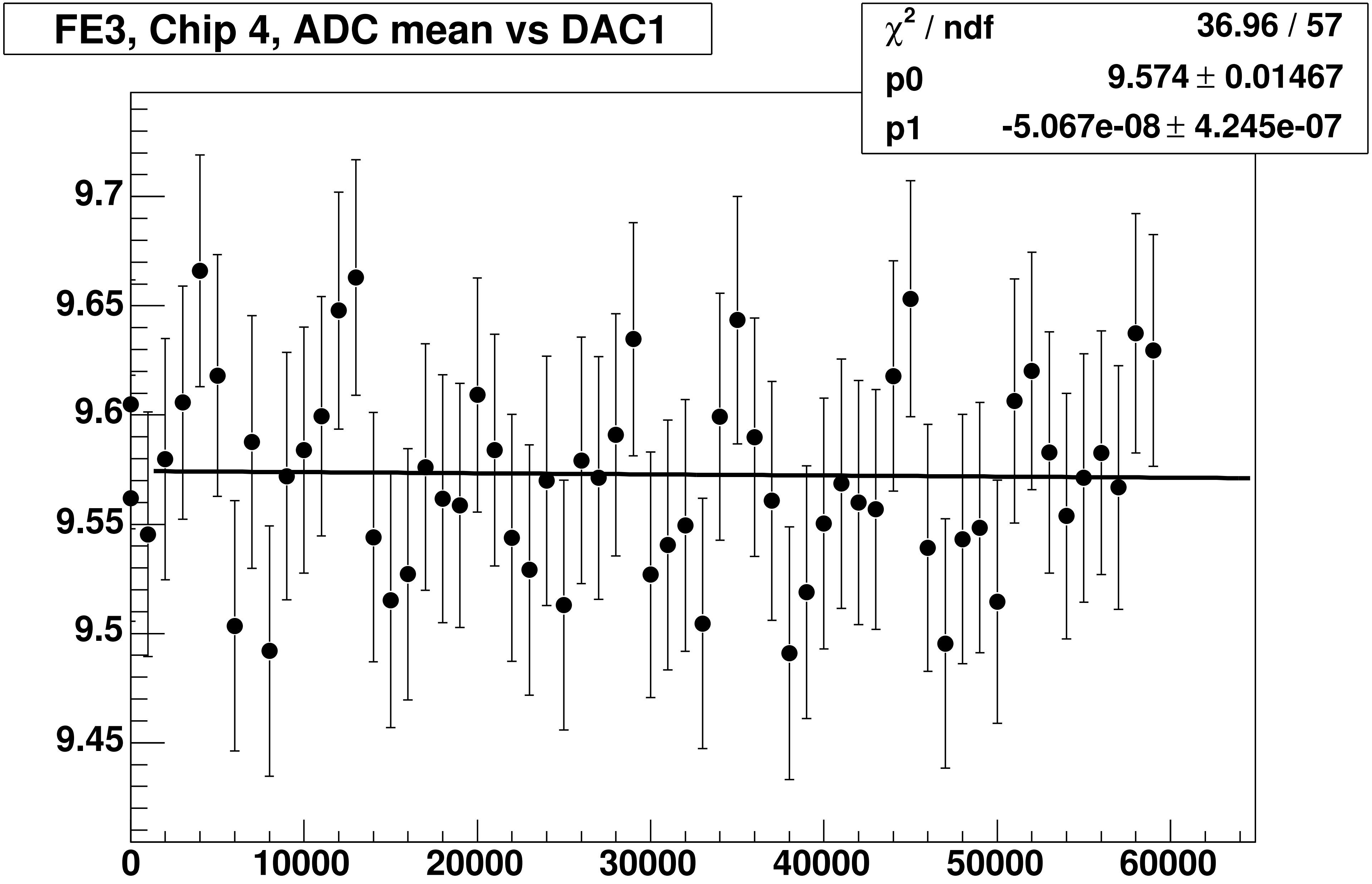


FE3, Chip 3, ADC residuals vs DAC1
0.6
0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
60000

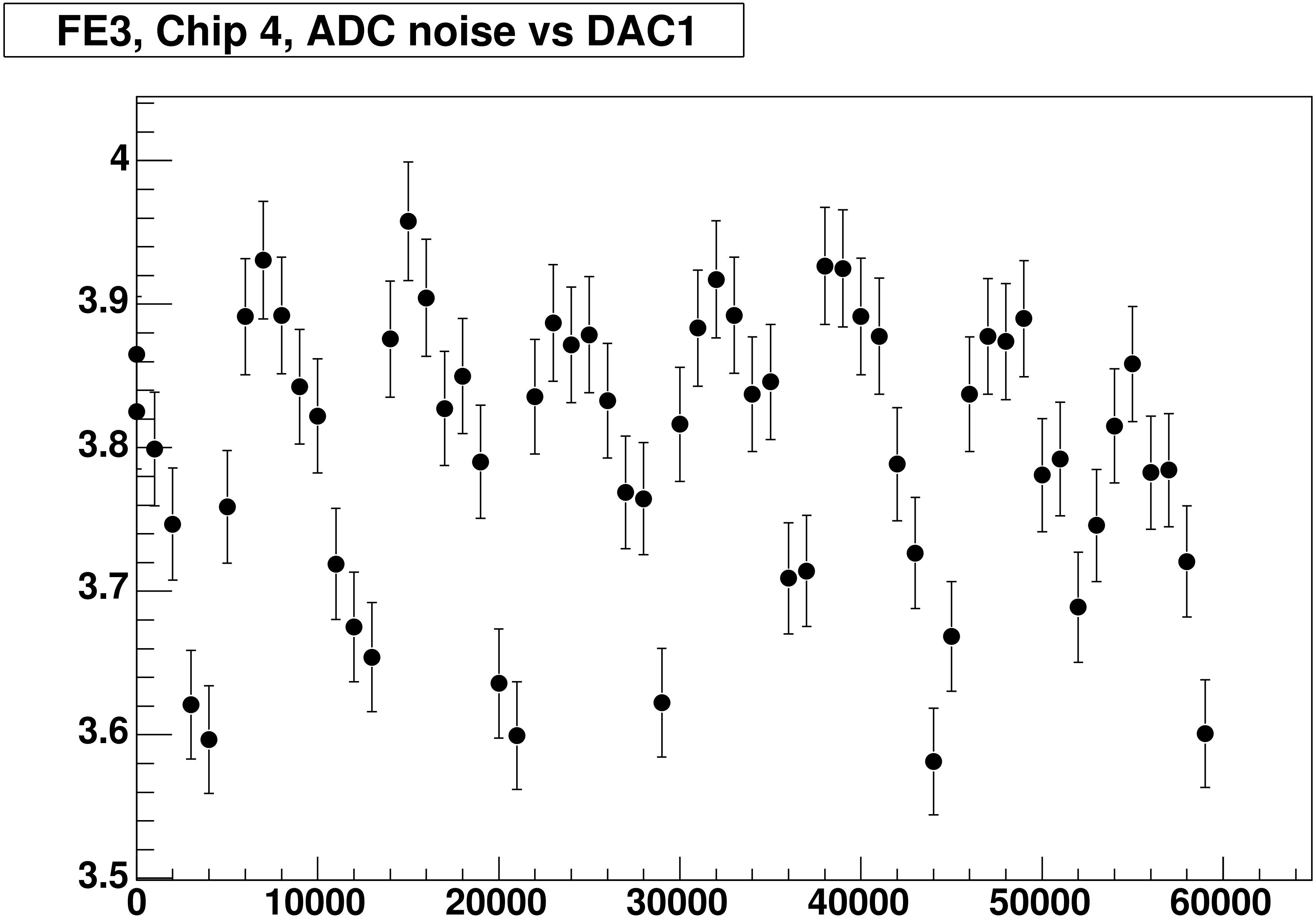

FE3, Chip 4, ADC mean vs DAC0
χ^2 / ndf 8.637e+04 / 57
p0 9.027 ± 0.01043
p1 0.4514 ± 3.478e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE3, Chip 4, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

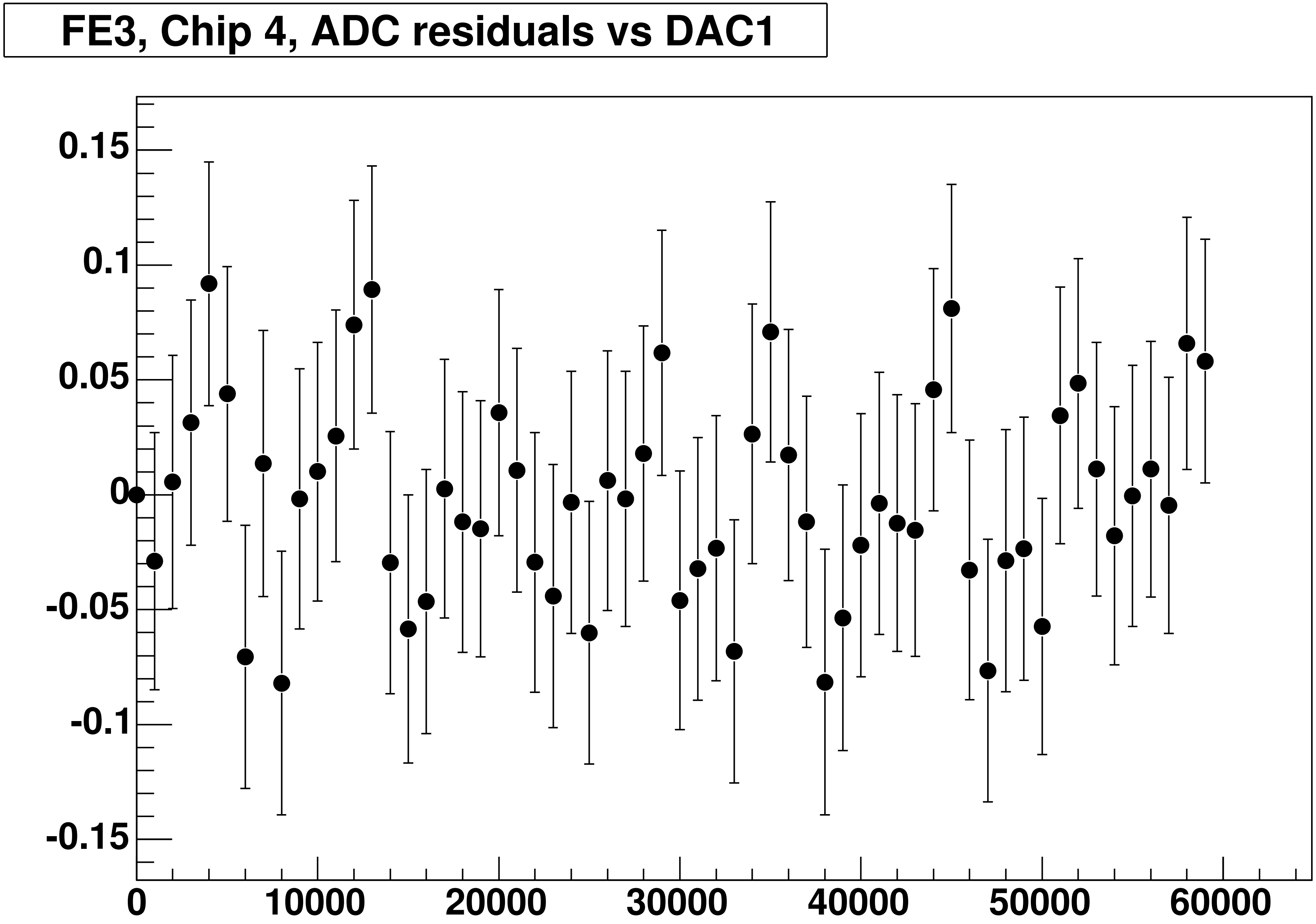

FE3, Chip 4, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

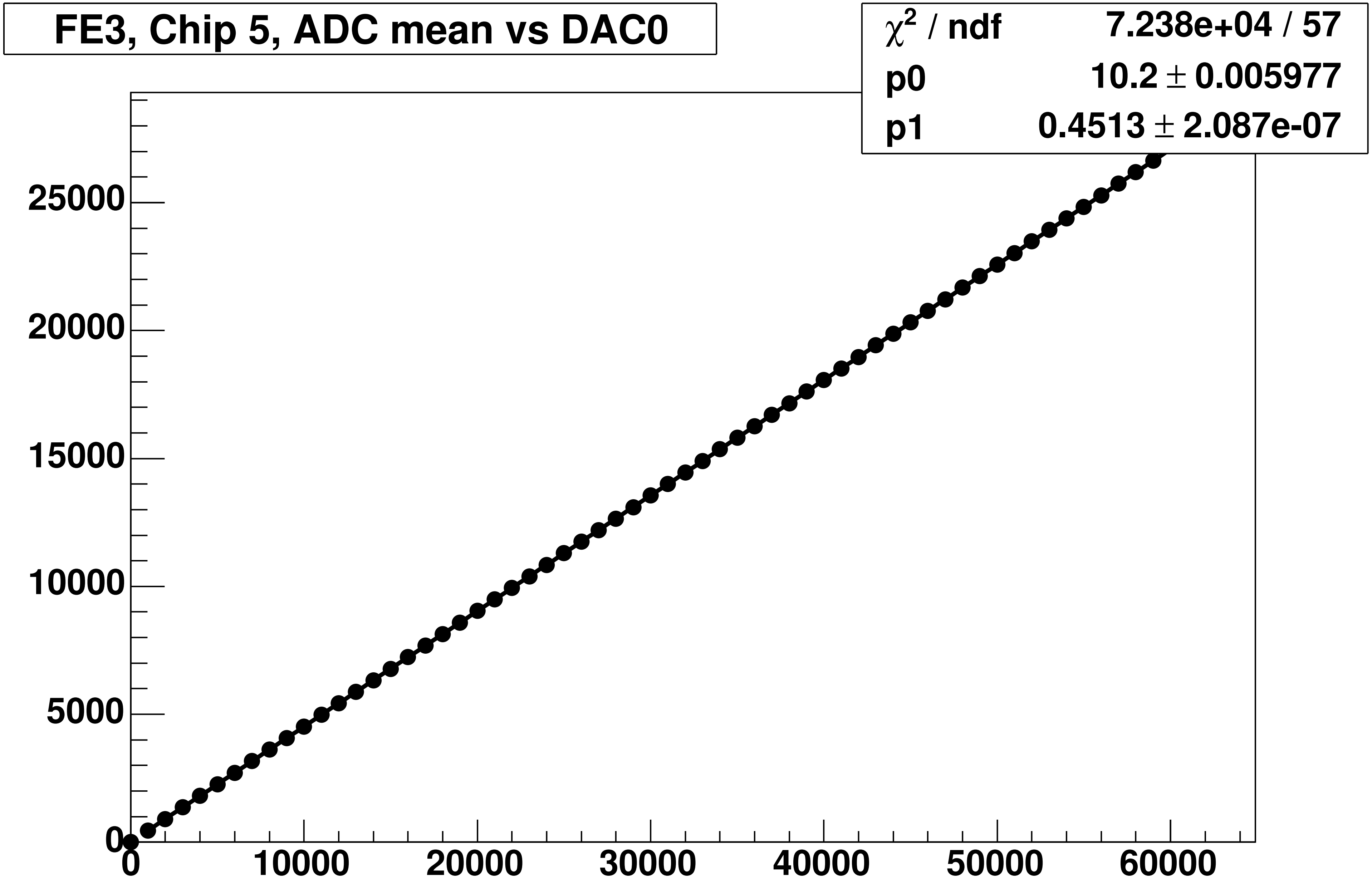


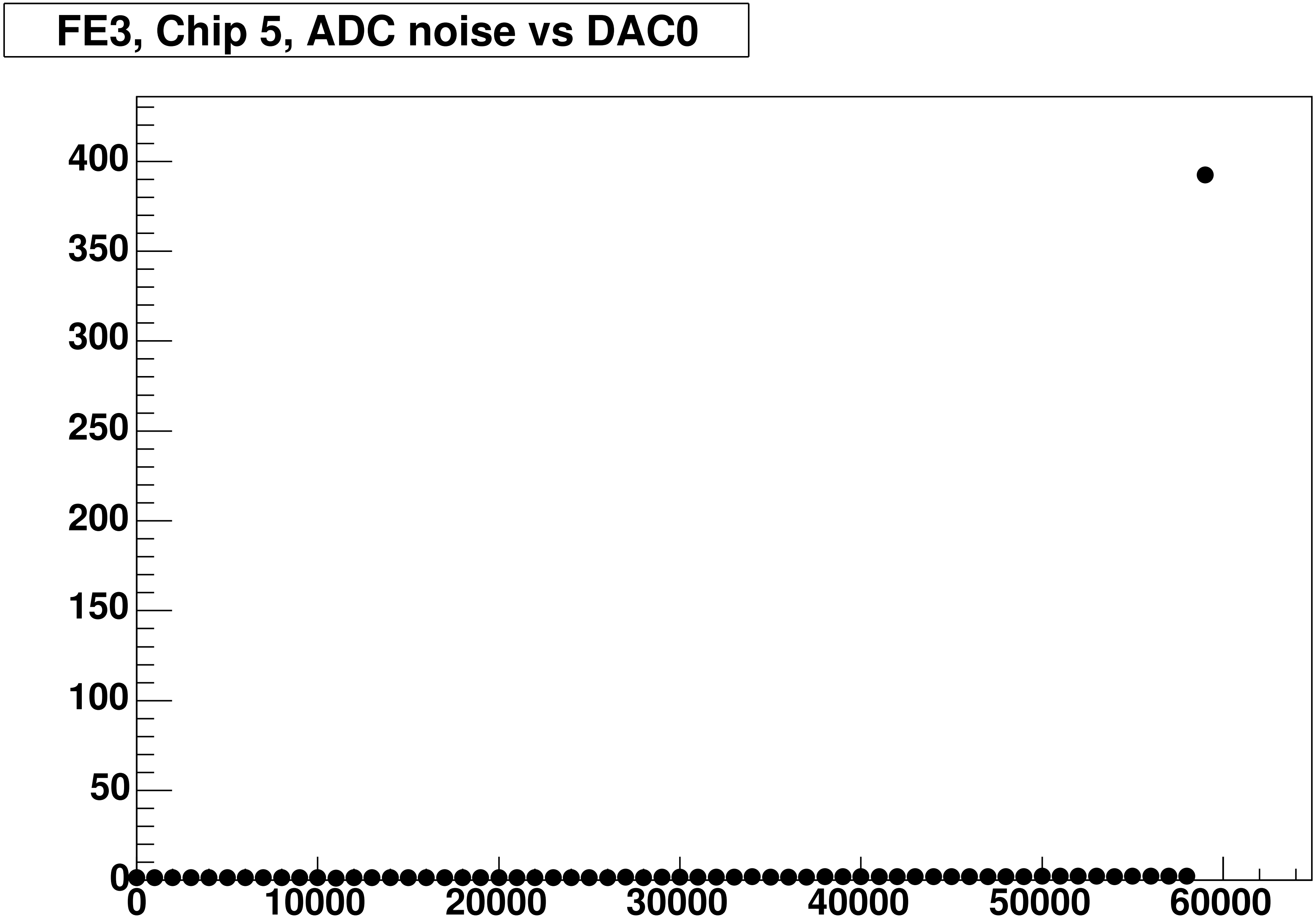
FE3, Chip 4, ADC mean vs DAC1
χ^2 / ndf 36.96 / 57
p0 9.574 ± 0.01467
p1 -5.067e-08 ± 4.245e-07
9.7
9.65
9.6
9.55
9.5
9.45
0
10000
20000
30000
40000
50000
60000

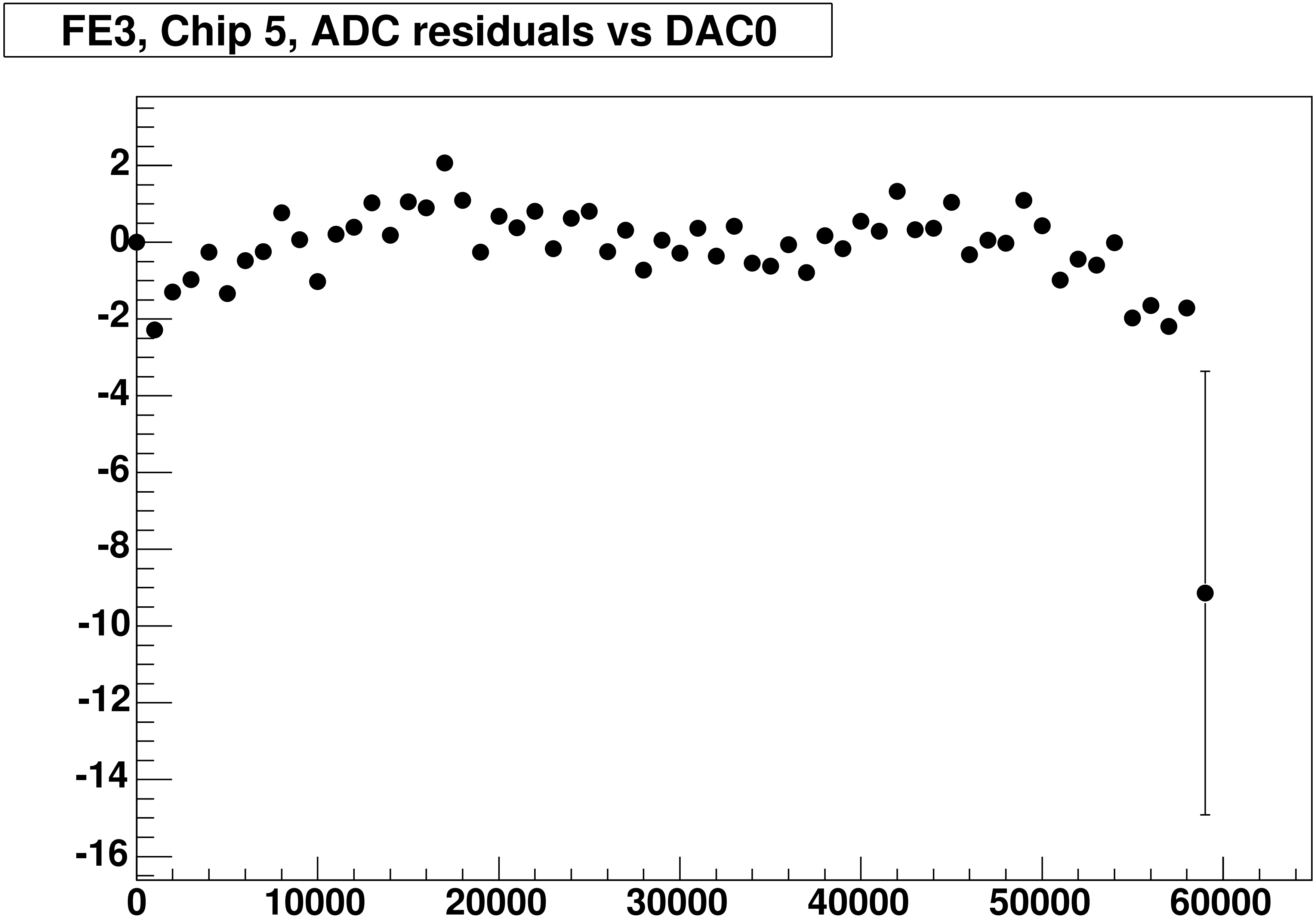


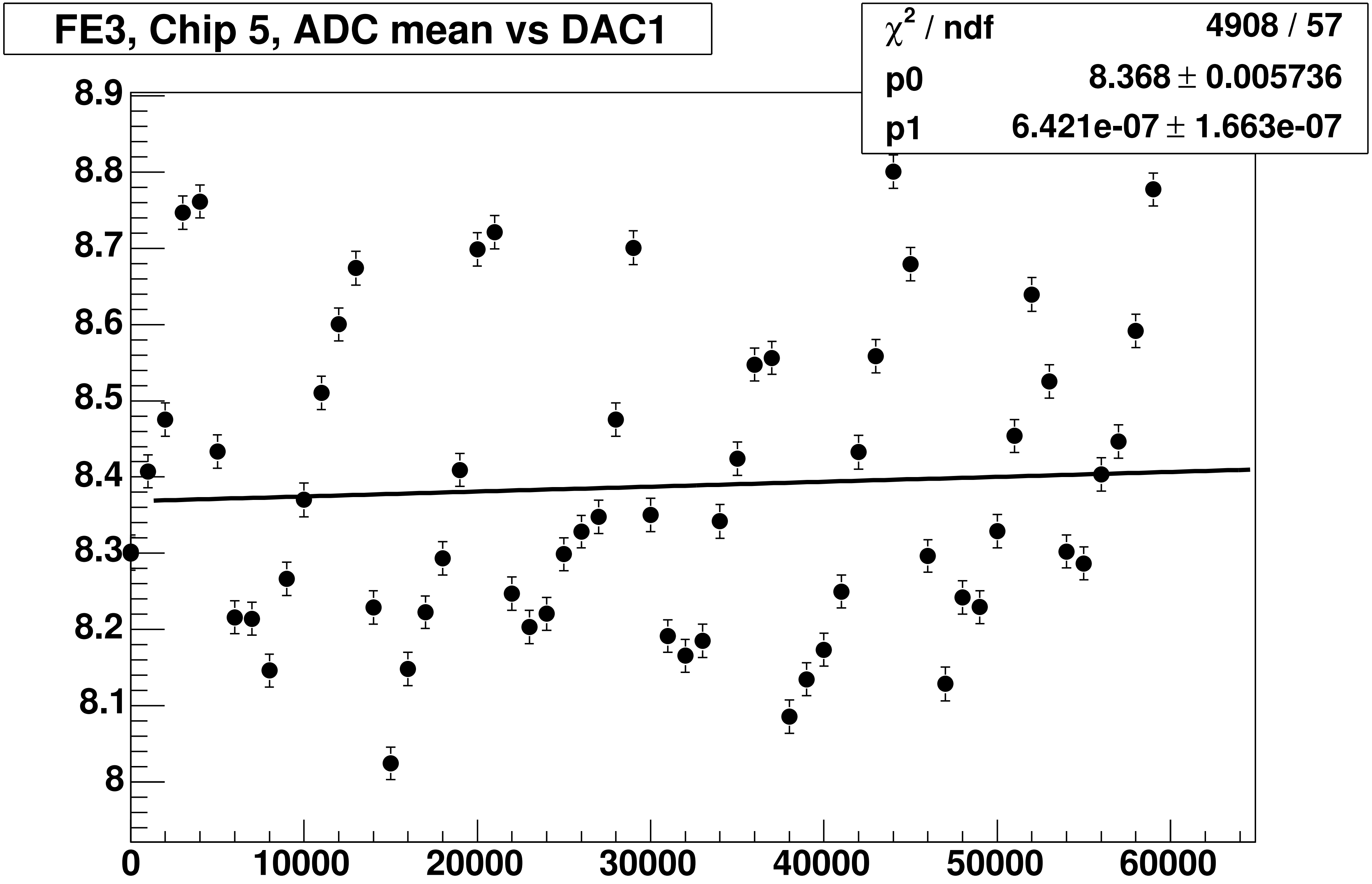
FE3, Chip 4, ADC noise vs DAC1
4
3.9
3.8
3.7
3.6
3.5
0
10000
20000
30000
40000
50000
60000

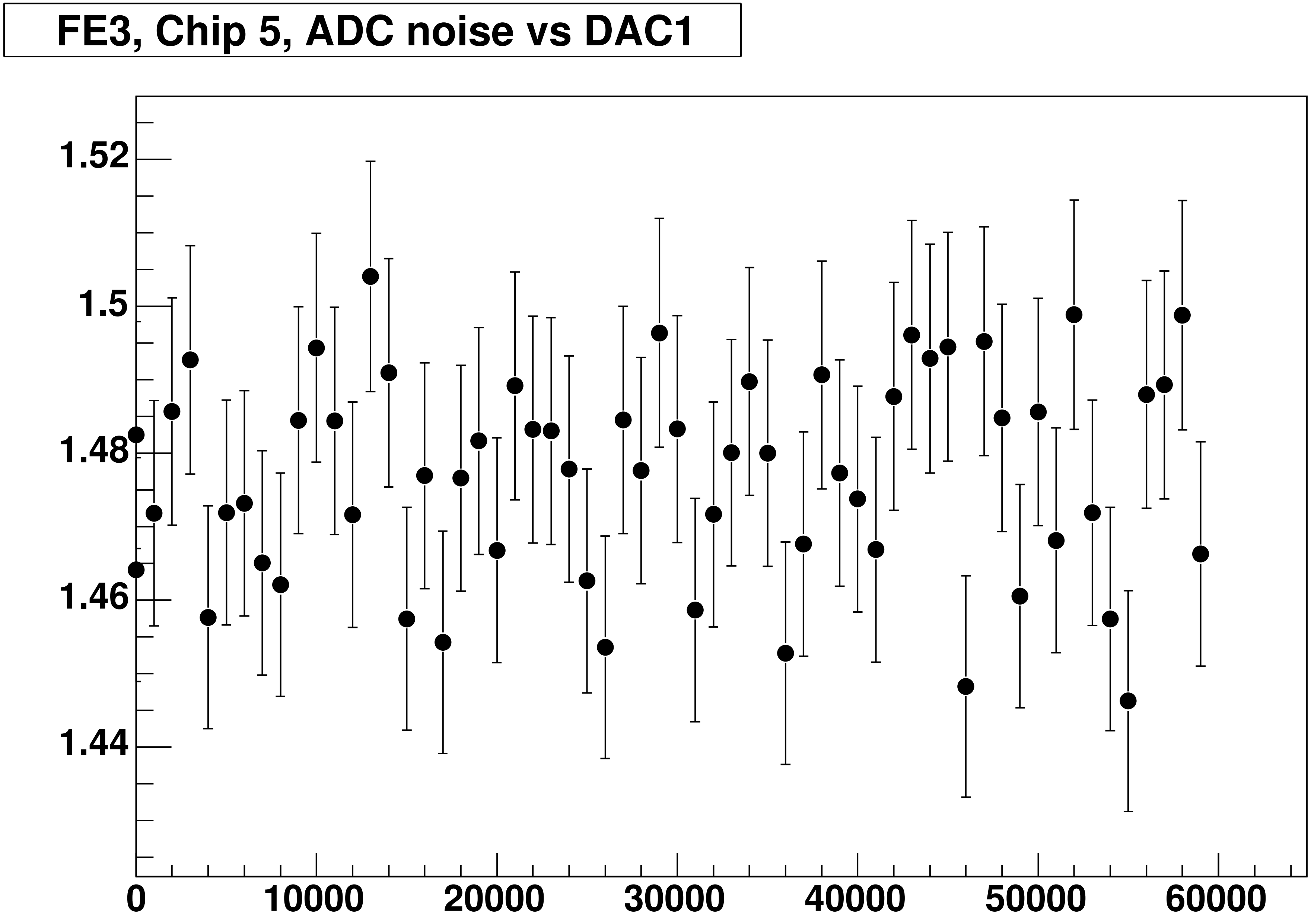

FE3, Chip 4, ADC residuals vs DAC1
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000


FE3, Chip 5, ADC mean vs DAC0
χ^2 / ndf 7.238e+04 / 57
p0 10.2 ± 0.005977
p1 0.4513 ± 2.087e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

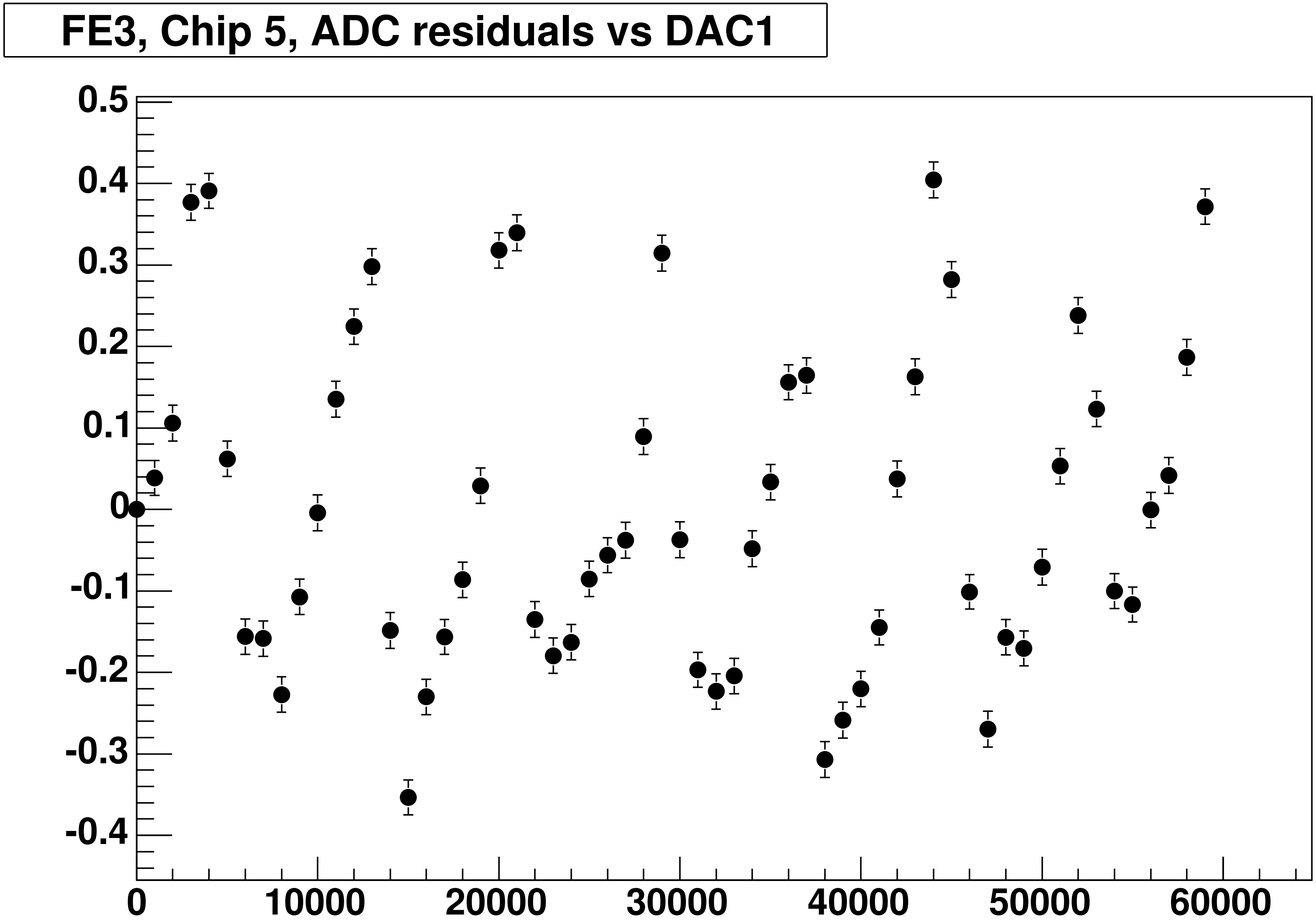

FE3, Chip 5, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

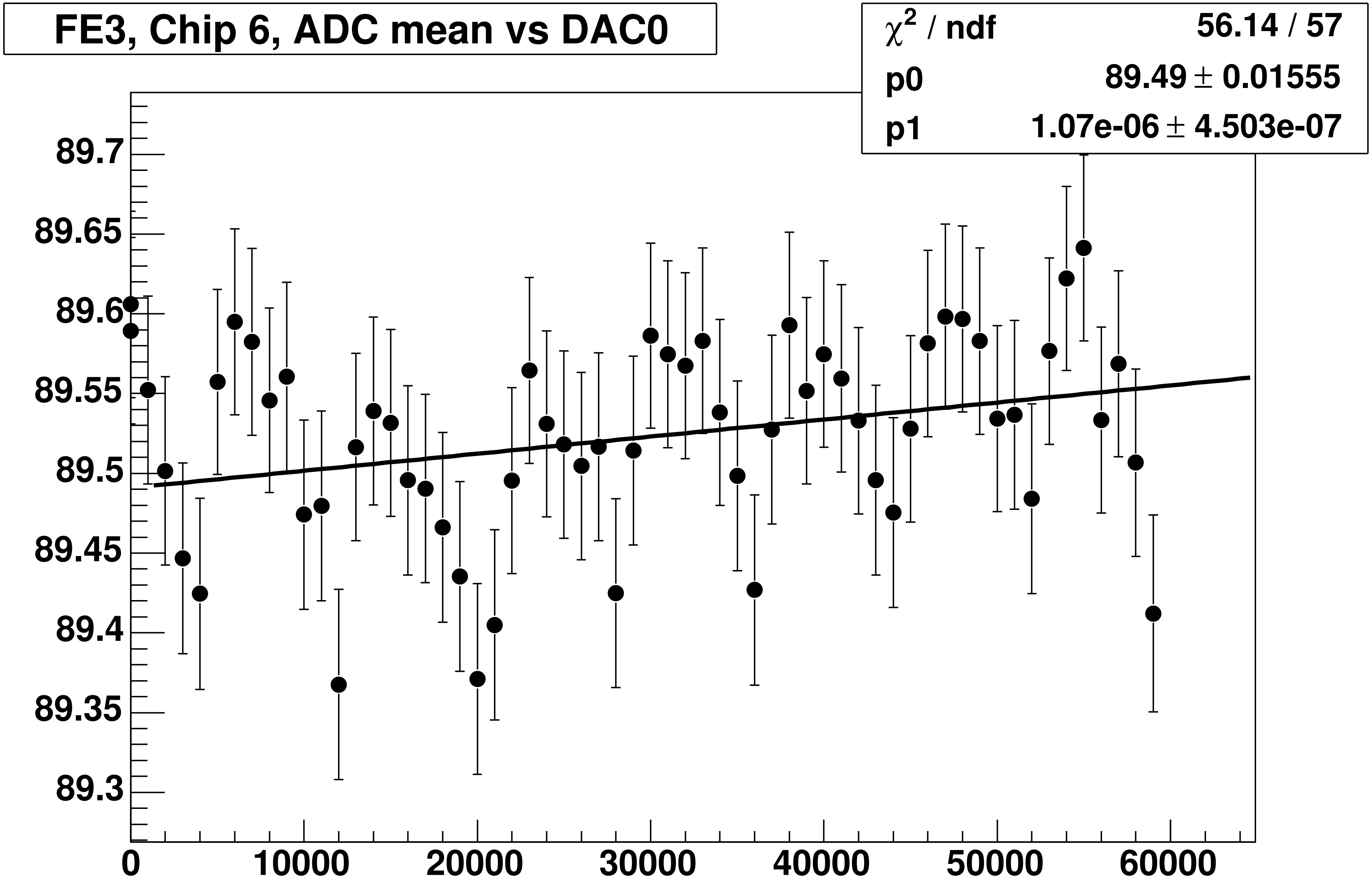

FE3, Chip 5, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000


FE3, Chip 5, ADC mean vs DAC1
χ^2 / ndf 4908 / 57
p0 8.368 ± 0.005736
p1 6.421e-07 ± 1.663e-07
8.9
8.8
8.7
8.6
8.5
8.4
8.3
8.2
8.1
8
0
10000
20000
30000
40000
50000
60000

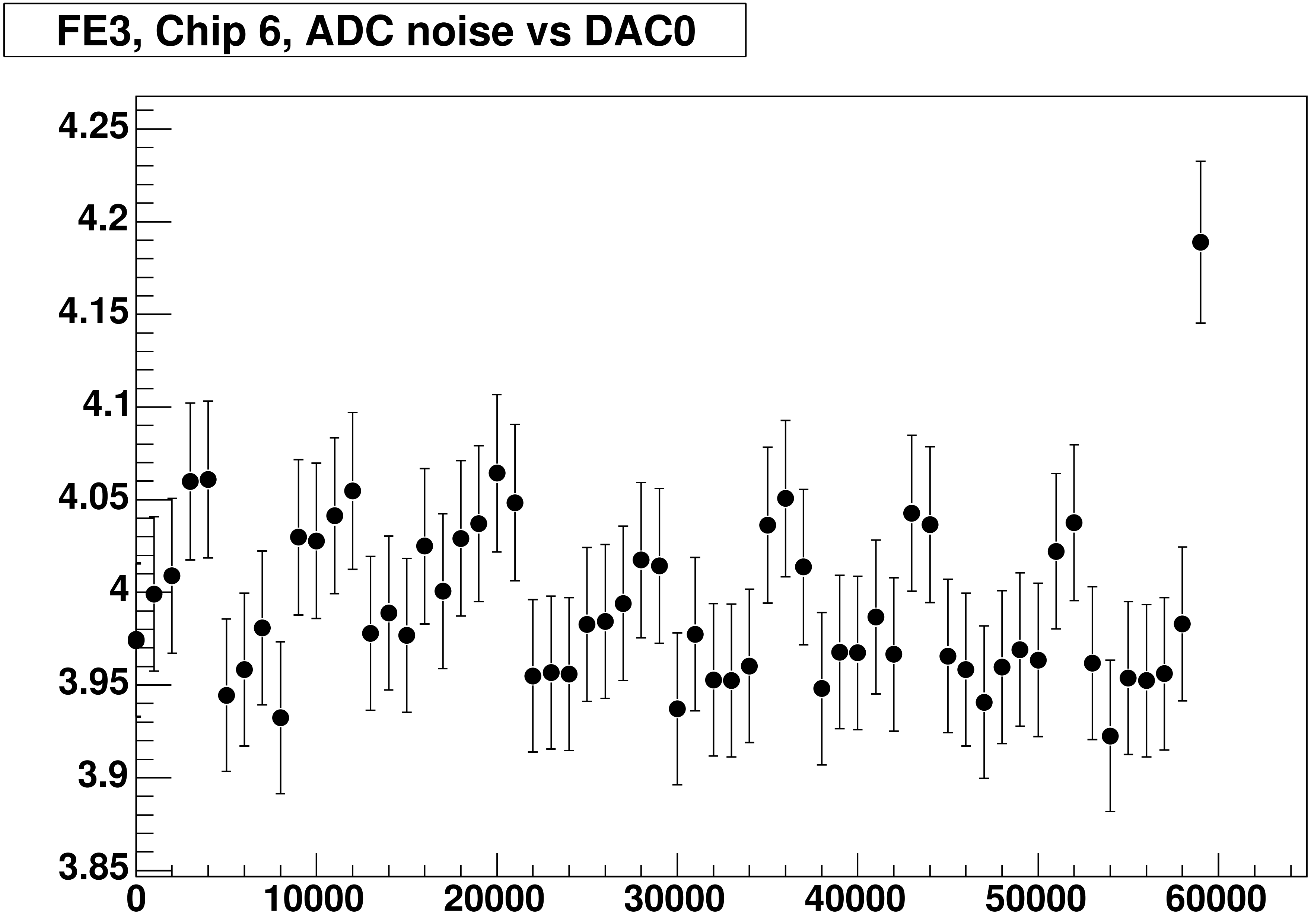


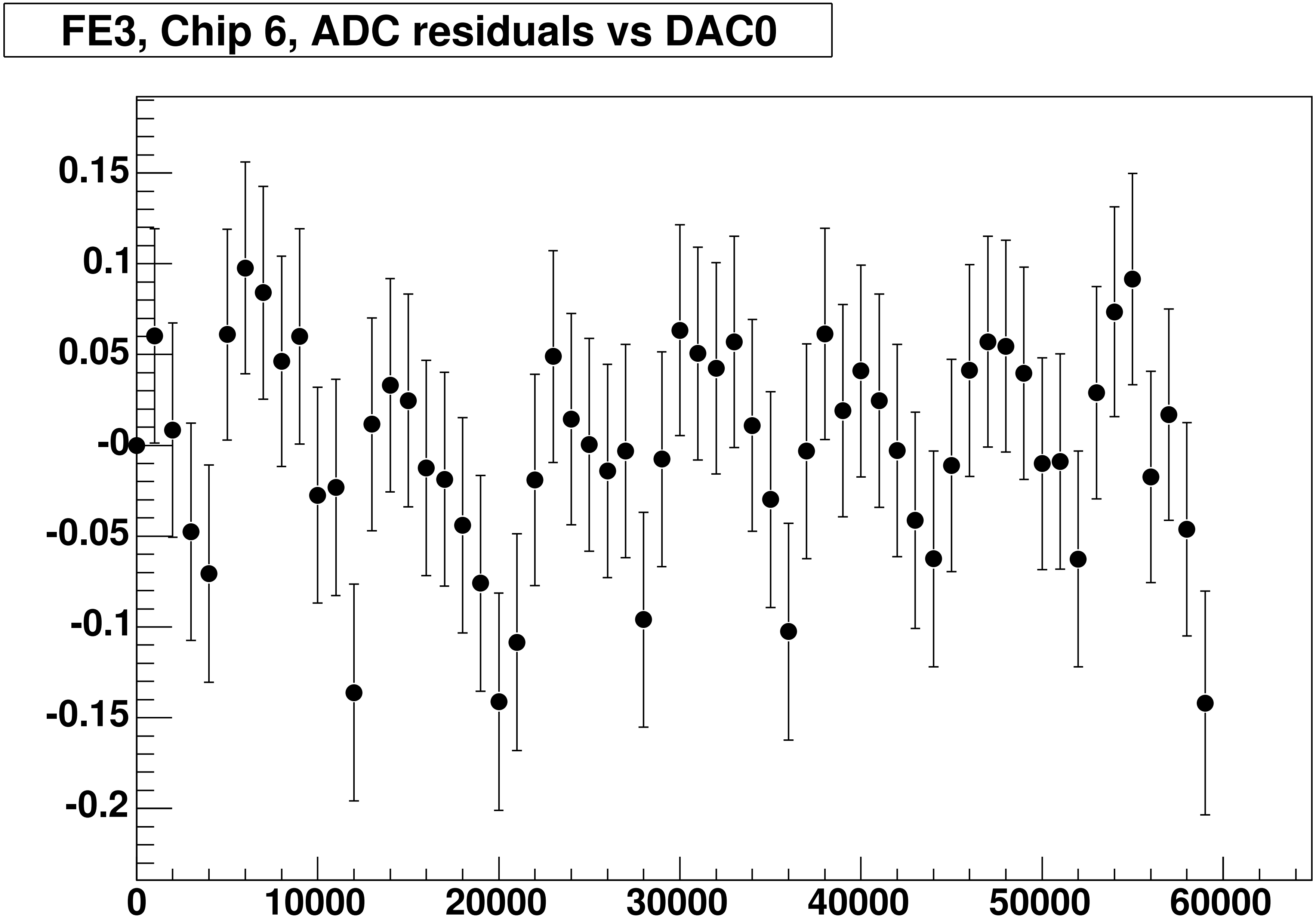
FE3, Chip 5, ADC noise vs DAC1
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE3, Chip 5, ADC residuals vs DAC1
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

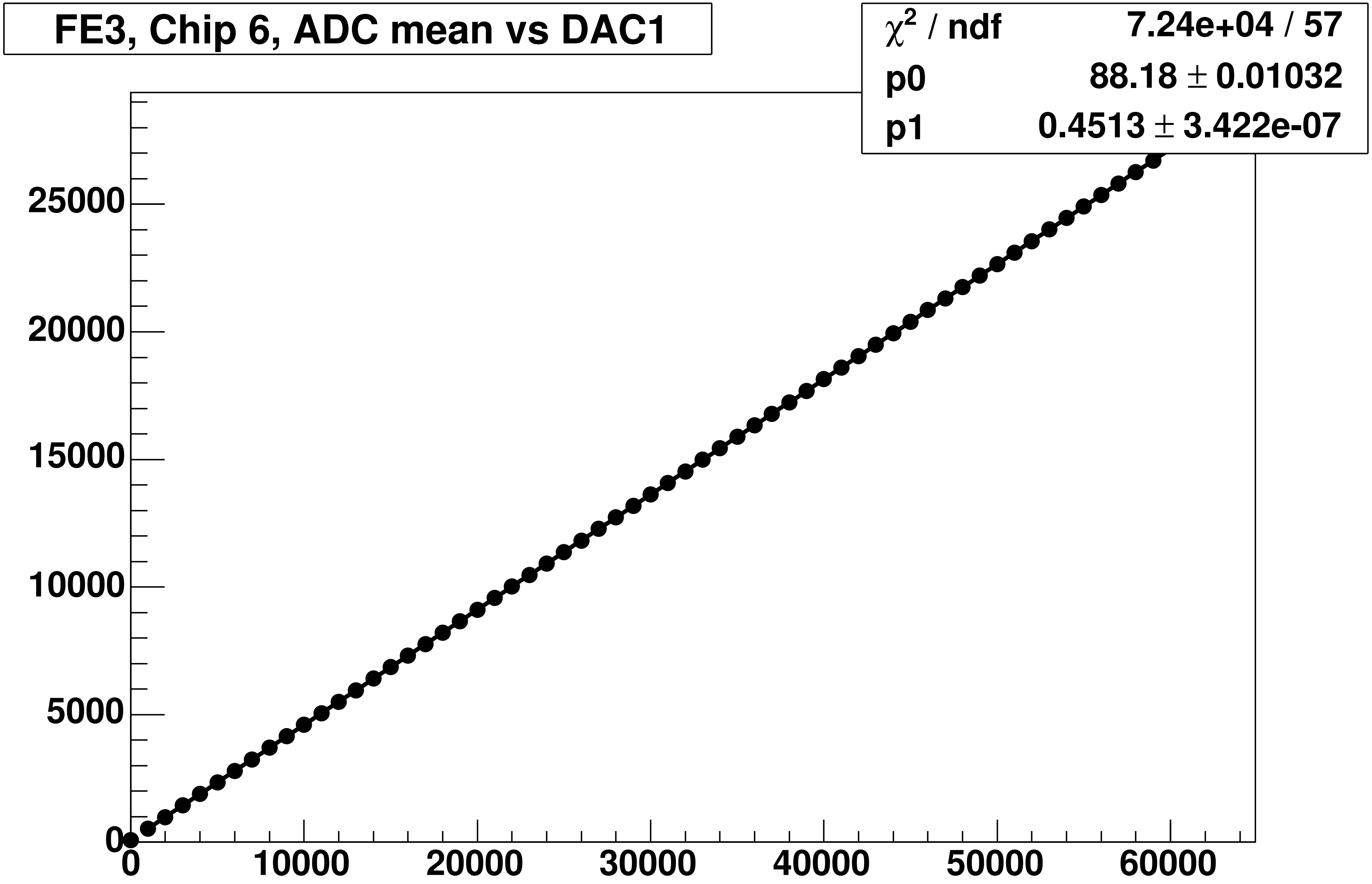


FE3, Chip 6, ADC mean vs DAC0
χ^2 / ndf 56.14 / 57
p0 89.49 ± 0.01555
p1 1.07e-06 ± 4.503e-07
89.7
89.65
89.6
89.55
89.5
89.45
89.4
89.35
89.3
0
10000
20000
30000
40000
50000
60000

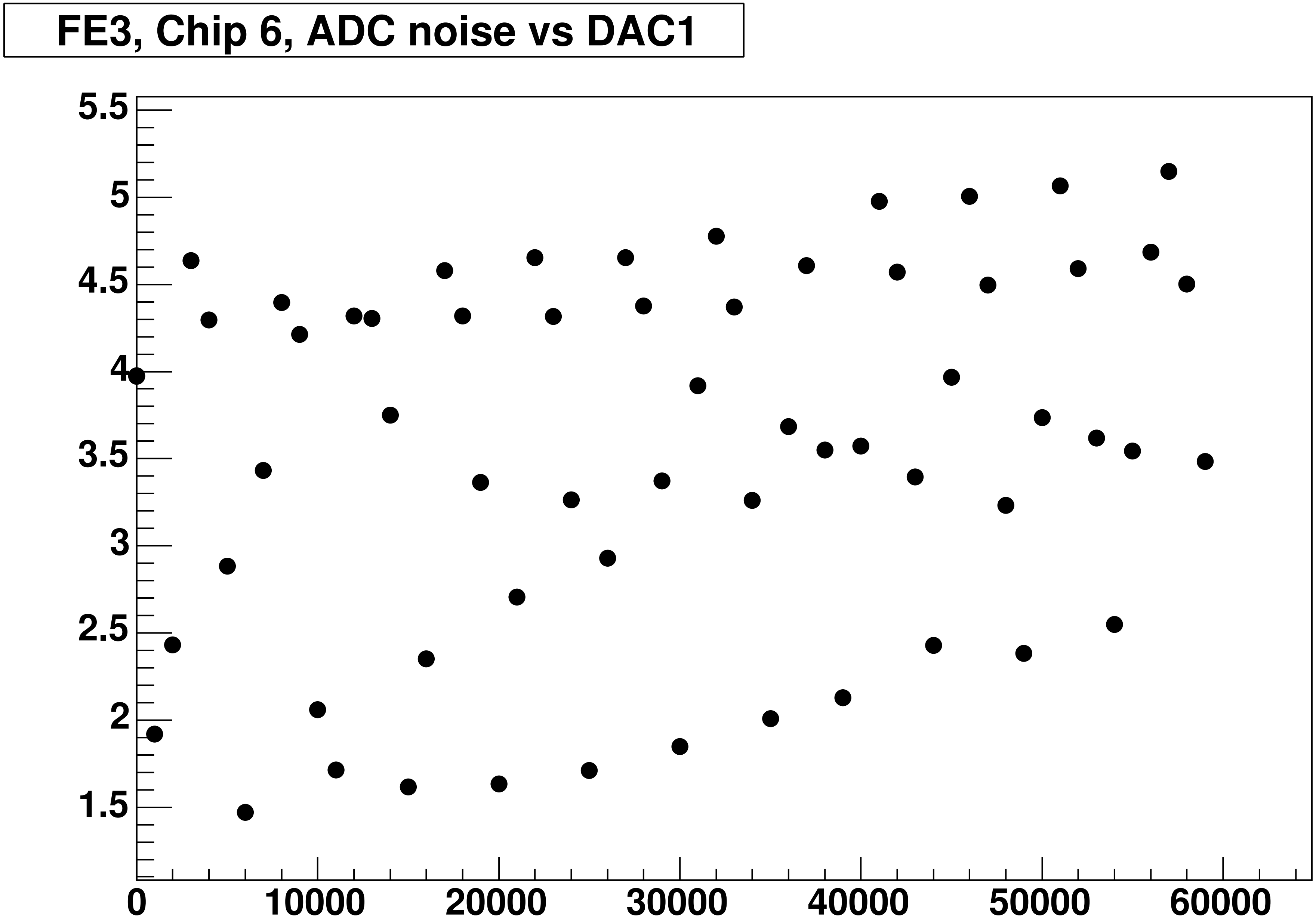

FE3, Chip 6, ADC noise vs DAC0
4.25
4.2
4.15
4.1
4.05
4
3.95
3.9
3.85
0
10000
20000
30000
40000
50000
60000

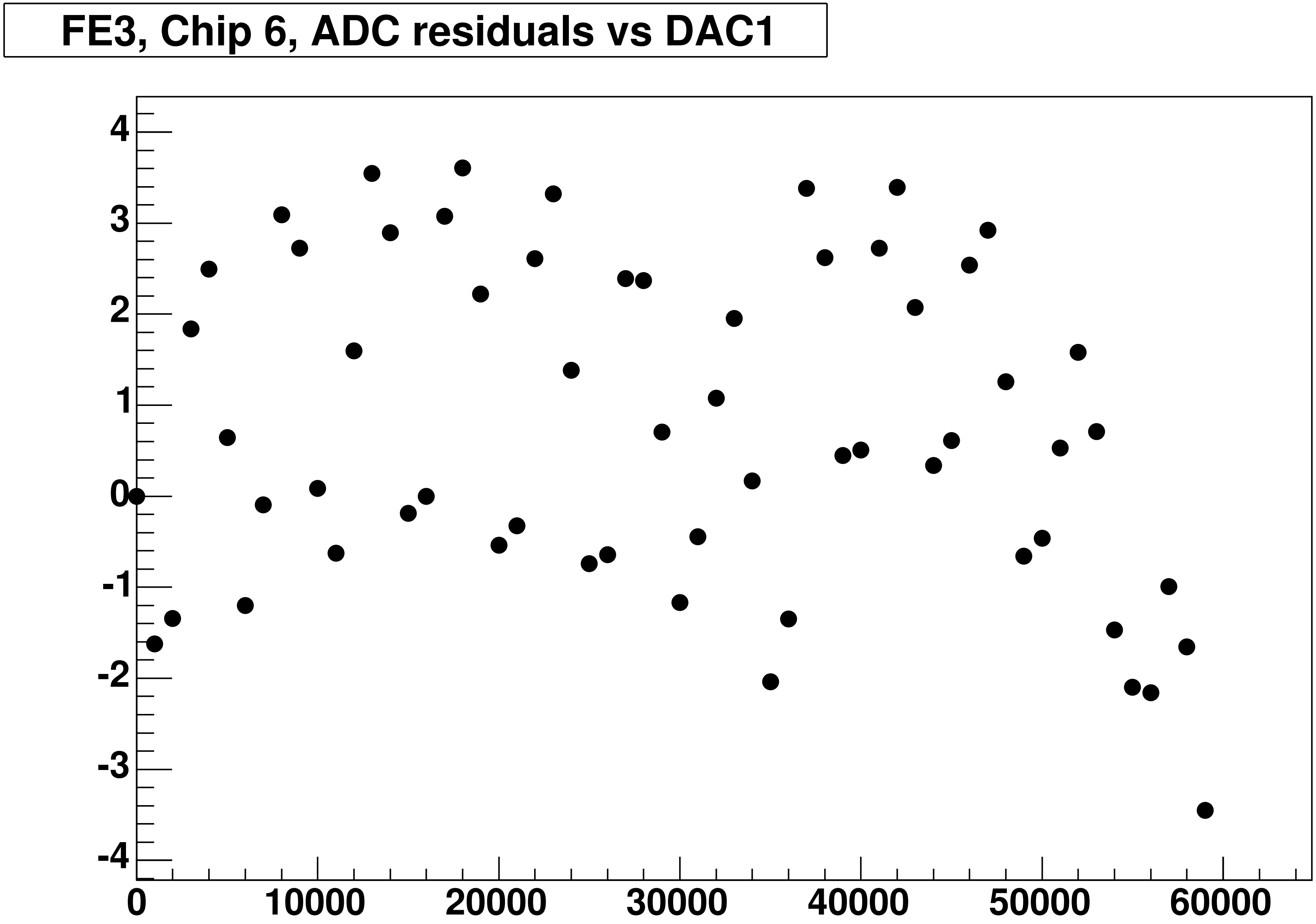


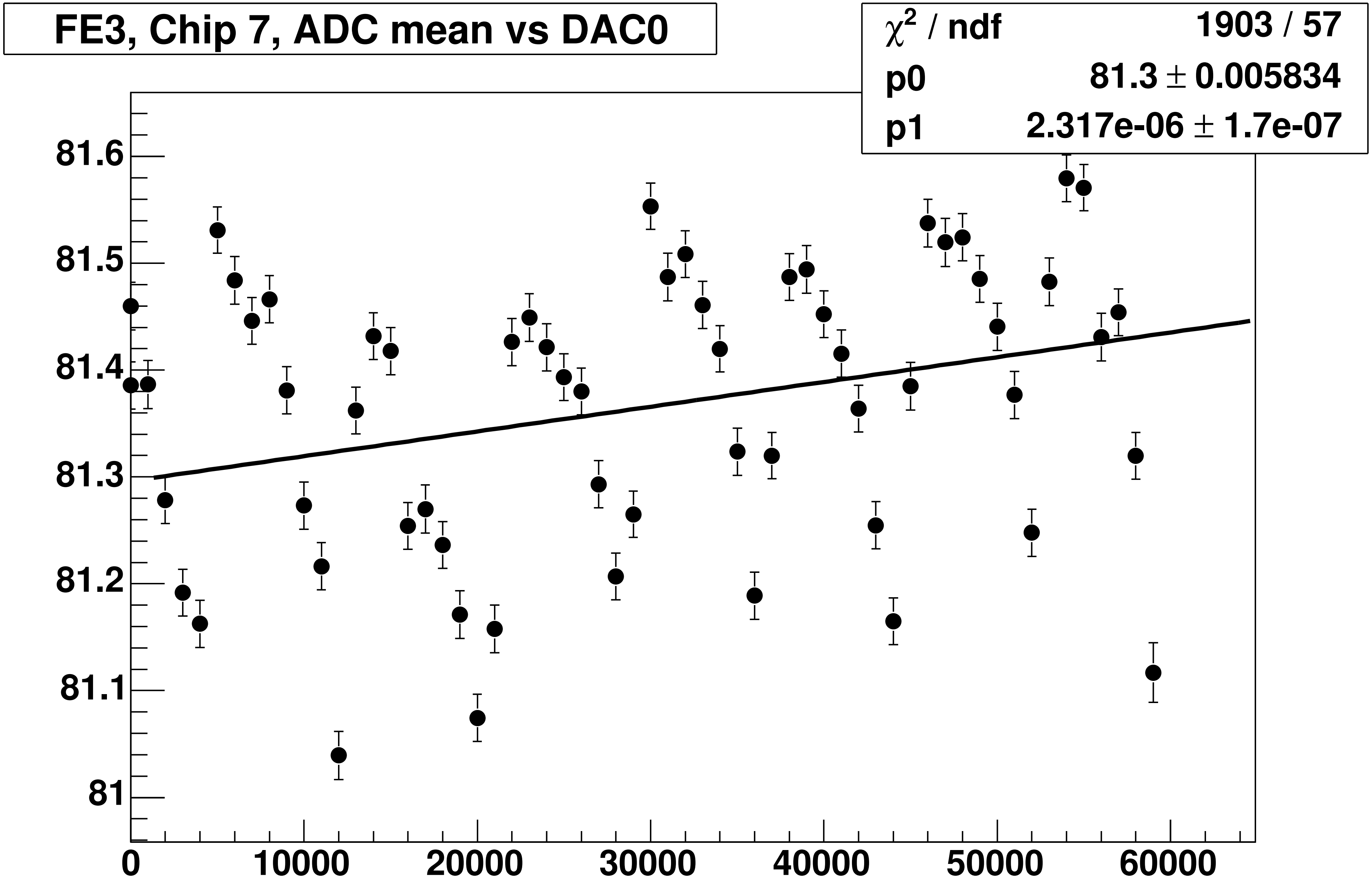
FE3, Chip 6, ADC residuals vs DAC0
0.15
0.1
0.05
-0
-0.05
-0.1
-0.15
-0.2
0
10000
20000
30000
40000
50000
60000



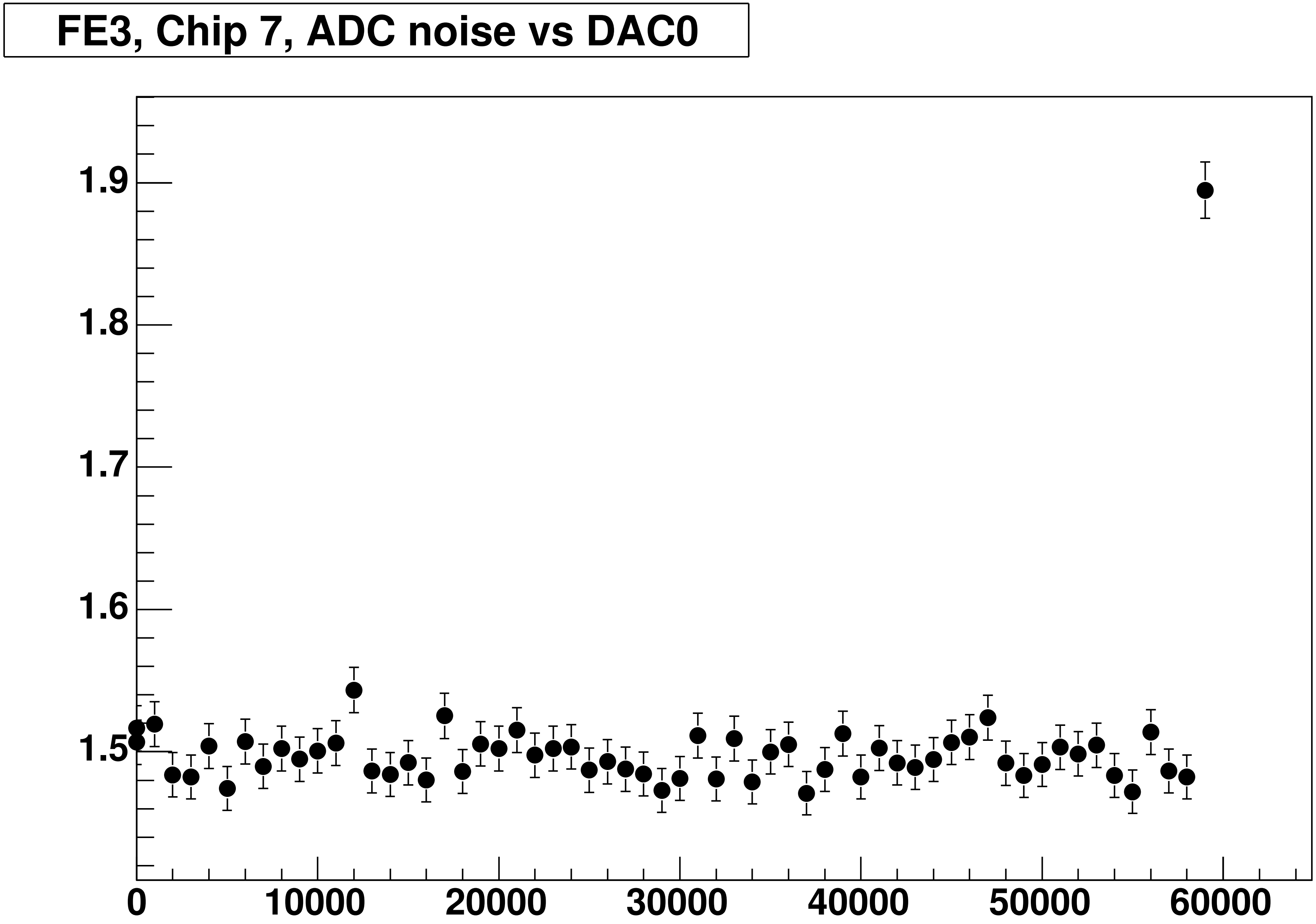
FE3, Chip 6, ADC mean vs DAC1
χ^2 / ndf 7.24e+04 / 57
p0 88.18 ± 0.01032
p1 0.4513 ± 3.422e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

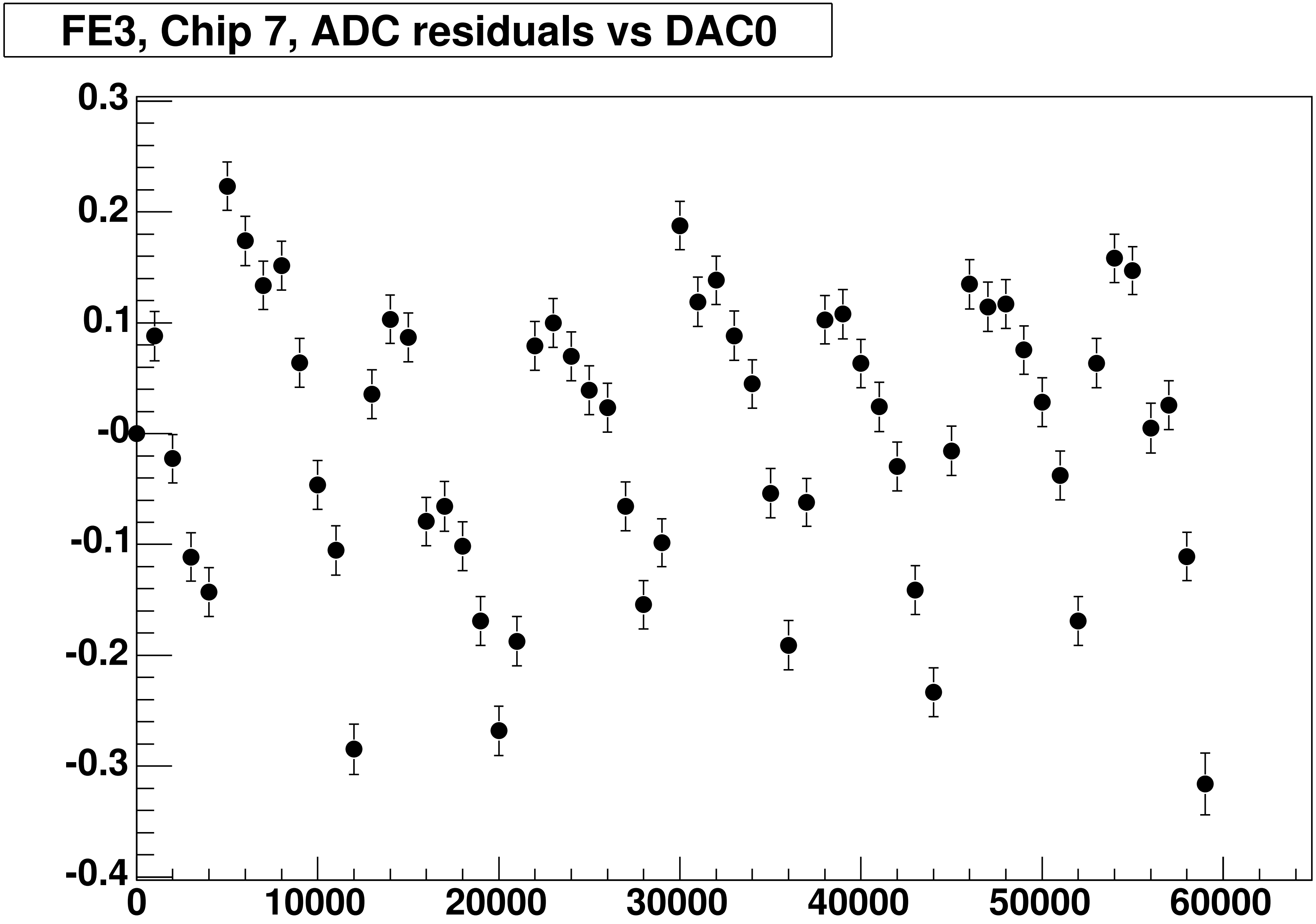

FE3, Chip 6, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

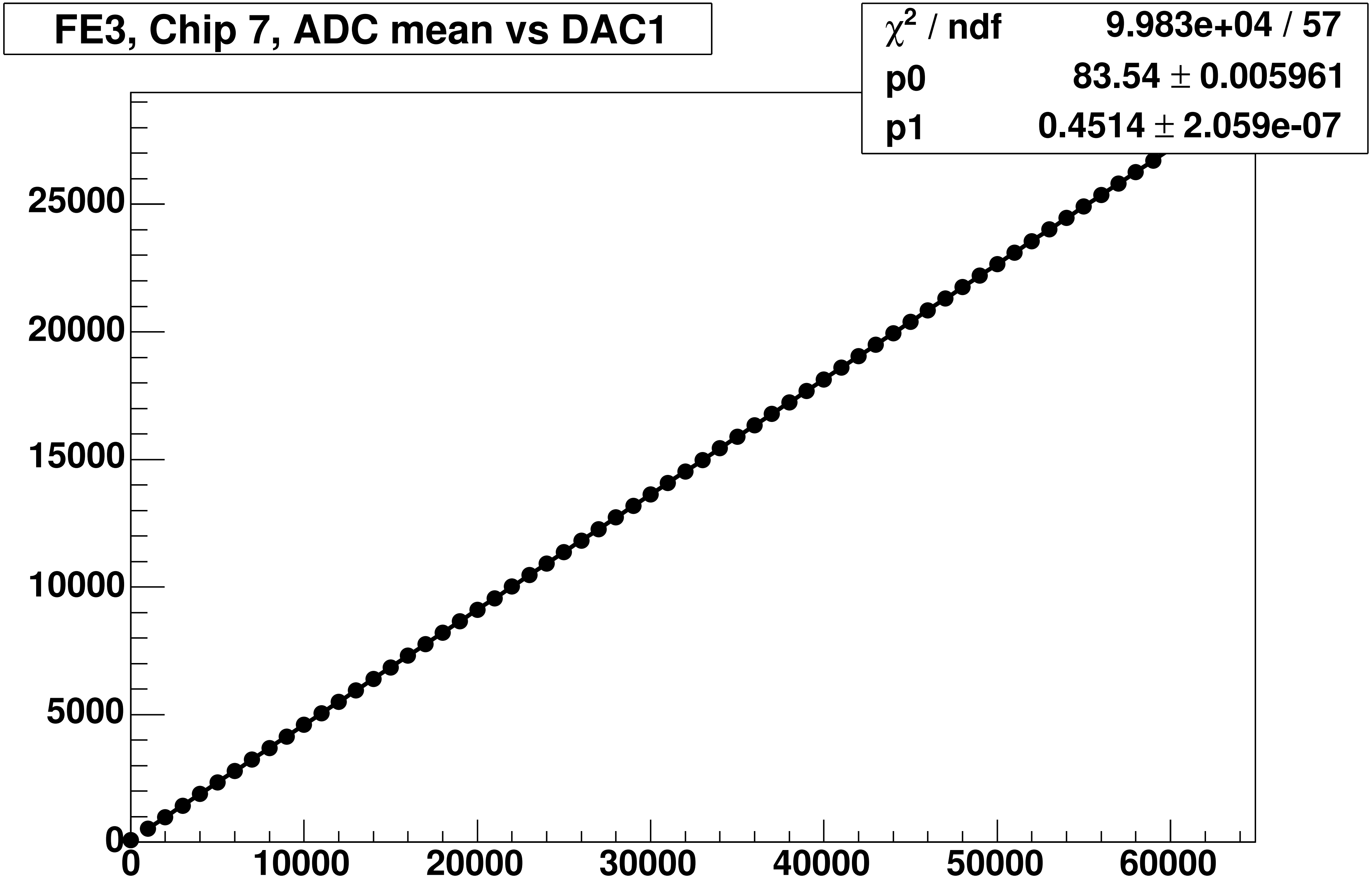

FE3, Chip 6, ADC residuals vs DAC1
4
3
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000



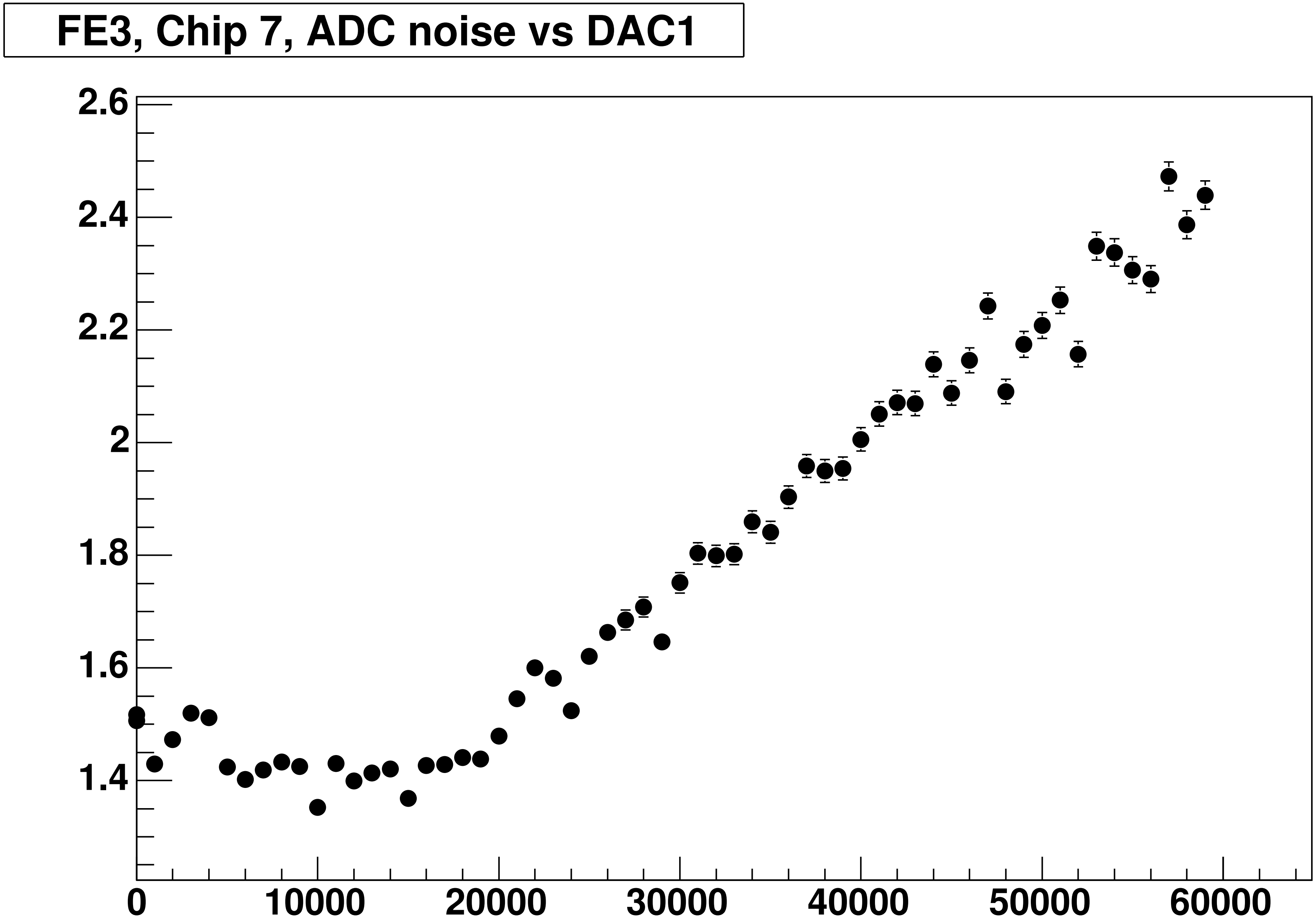
FE3, Chip 7, ADC mean vs DAC0
χ^2 / ndf 1903 / 57
p0 81.3 ± 0.005834
p1 2.317e-06 ± 1.7e-07
81.6
81.5
81.4
81.3
81.2
81.1
81
0
10000
20000
30000
40000
50000
60000

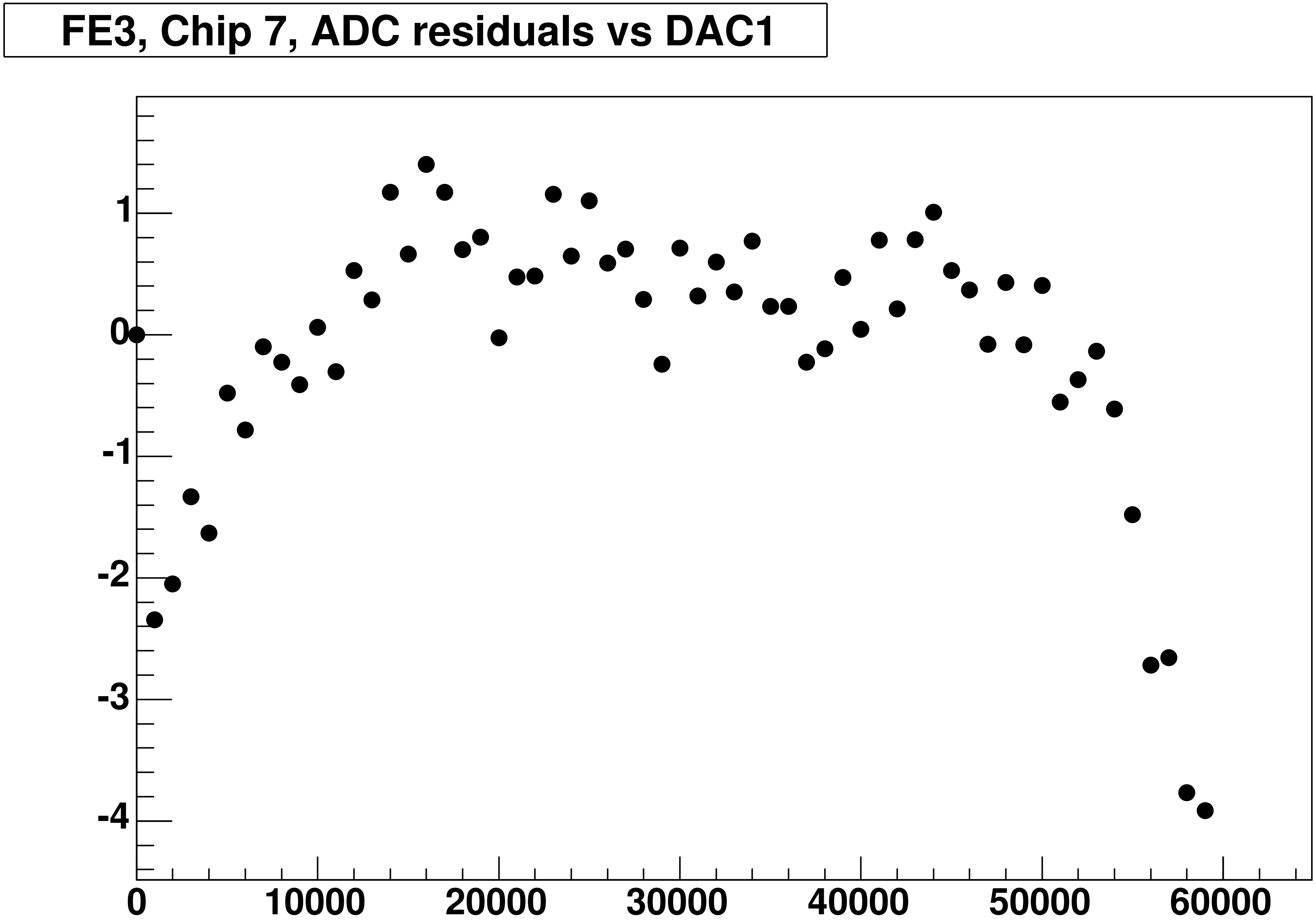

FE3, Chip 7, ADC noise vs DAC0
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000

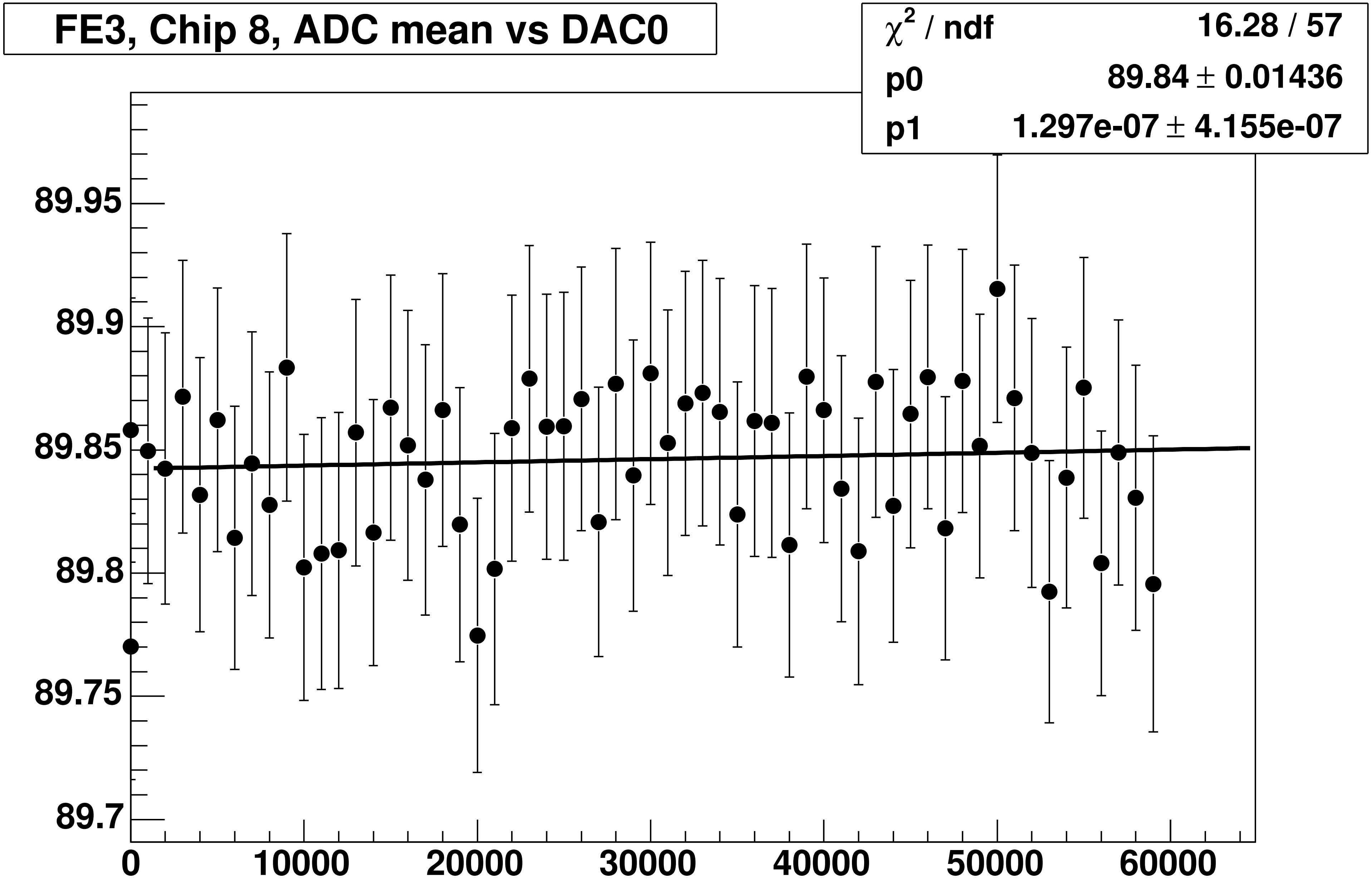

FE3, Chip 7, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

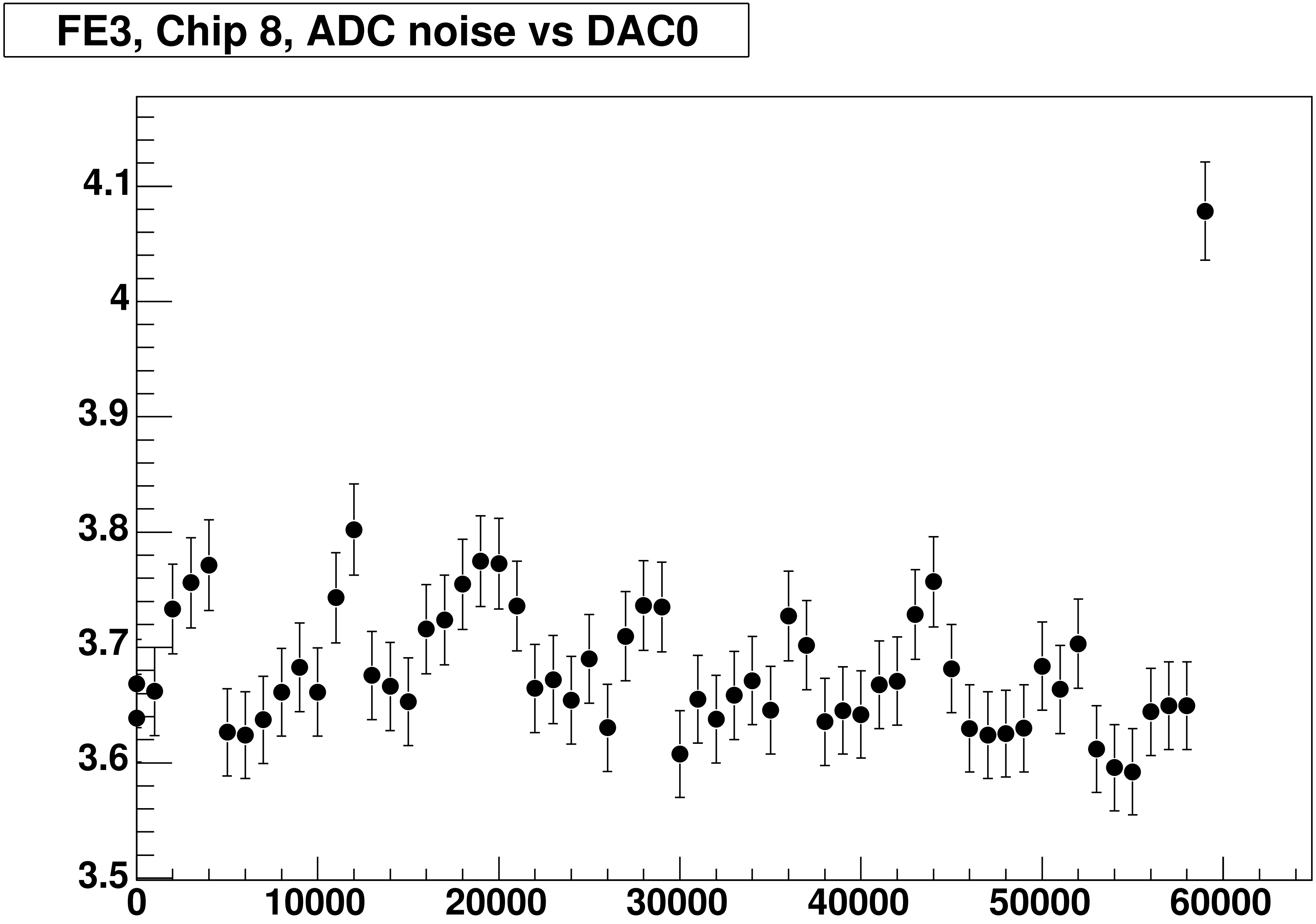


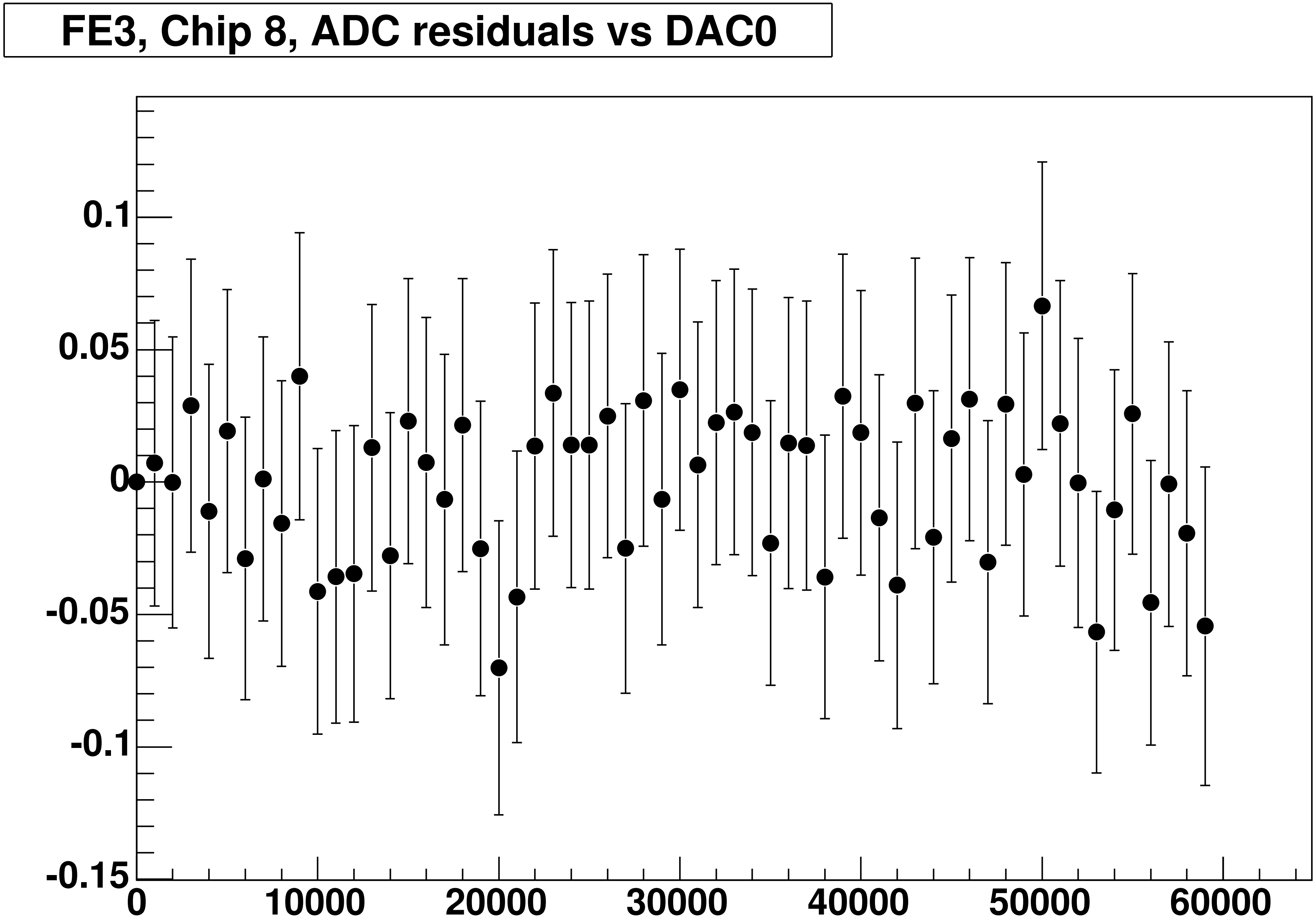
FE3, Chip 7, ADC mean vs DAC1
χ^2 / ndf 9.983e+04 / 57
p0 83.54 ± 0.005961
p1 0.4514 ± 2.059e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

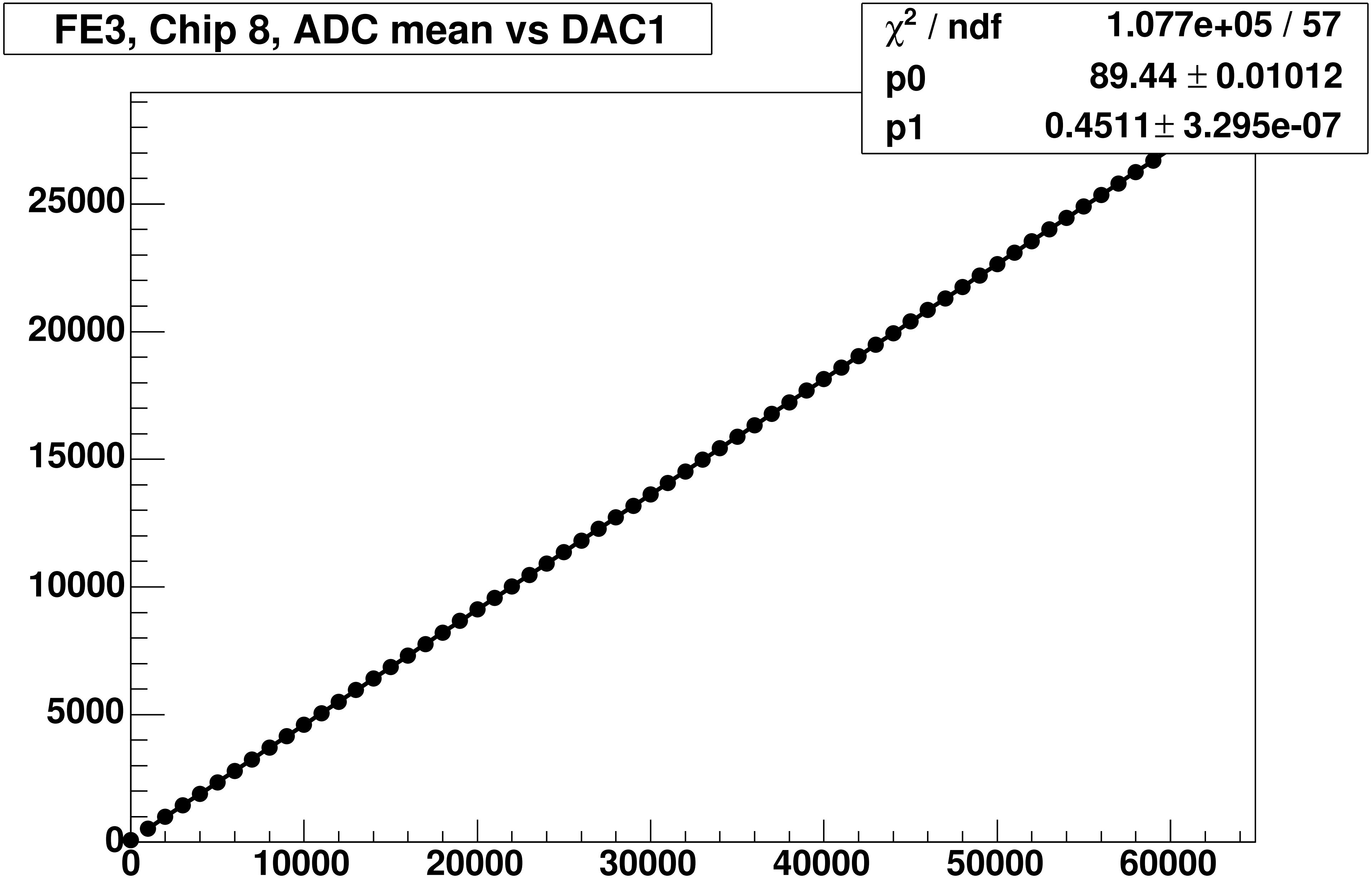

FE3, Chip 7, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3, Chip 7, ADC residuals vs DAC1
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000

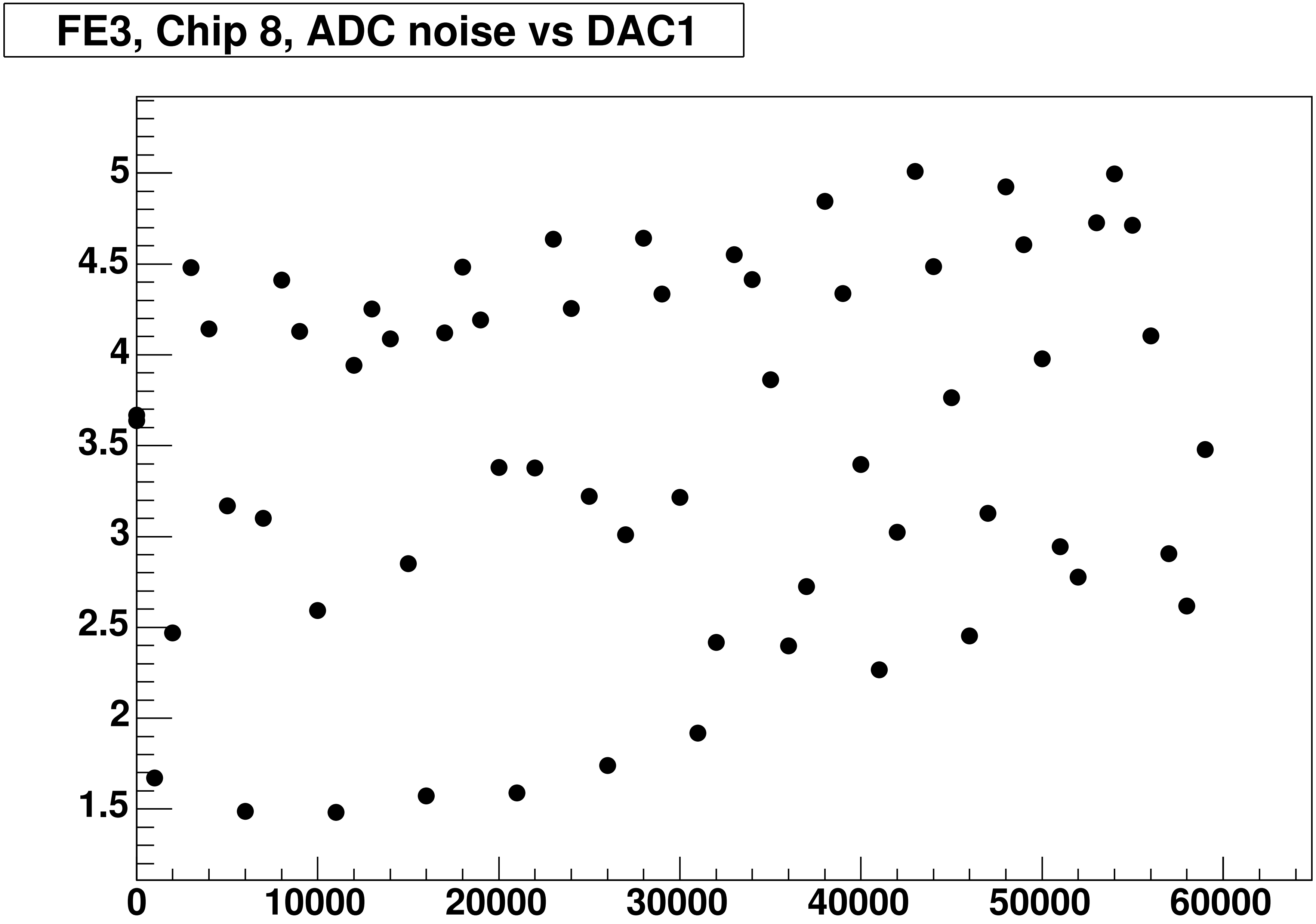

FE3, Chip 8, ADC mean vs DAC0
χ^2 / ndf 16.28 / 57
p0 89.84 ± 0.01436
p1 1.297e-07 ± 4.155e-07
89.95
89.9
89.85
89.8
89.75
89.7
0
10000
20000
30000
40000
50000
60000

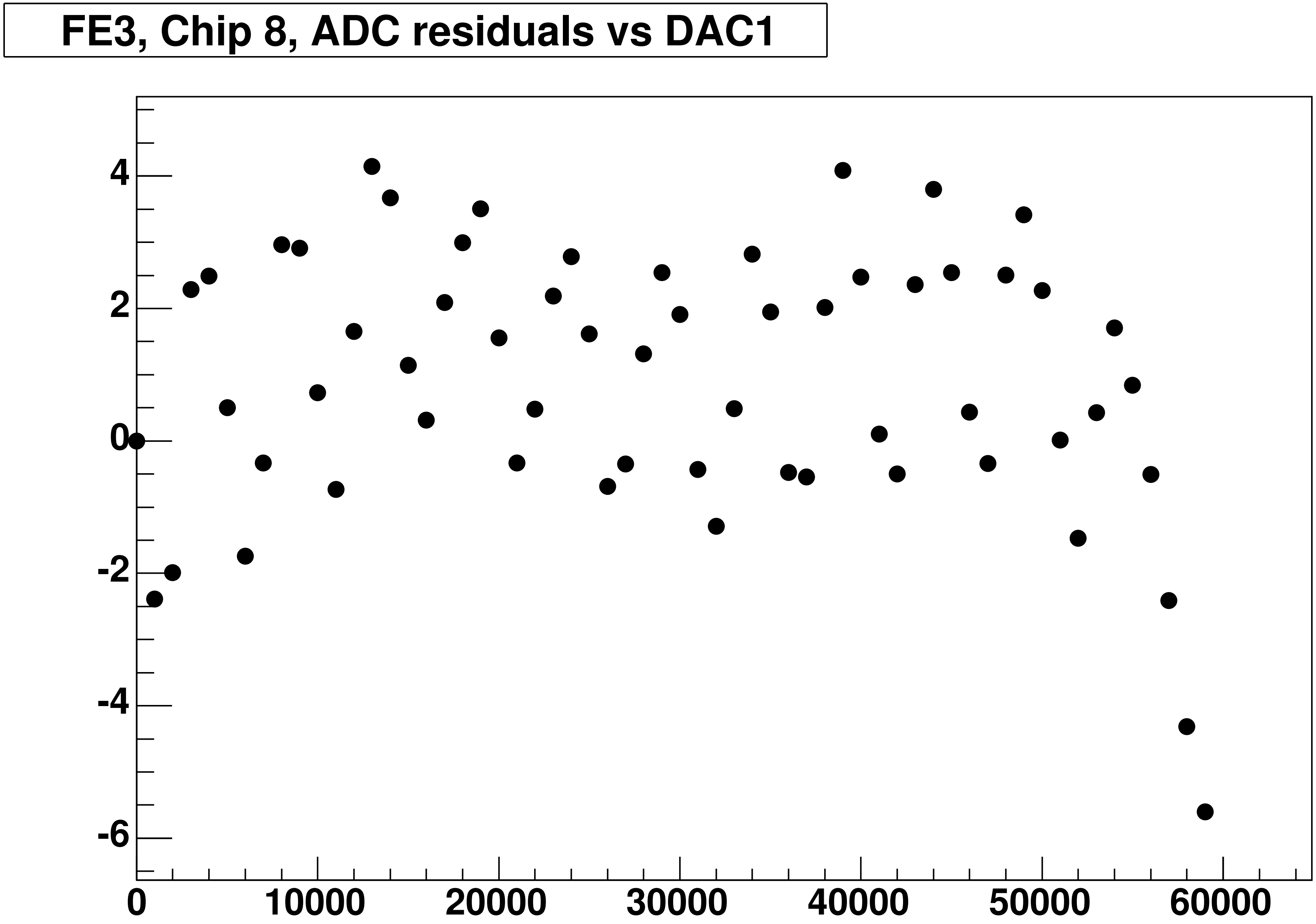

FE3, Chip 8, ADC noise vs DAC0
4.1
4
3.9
3.8
3.7
3.6
3.5
0
10000
20000
30000
40000
50000
60000

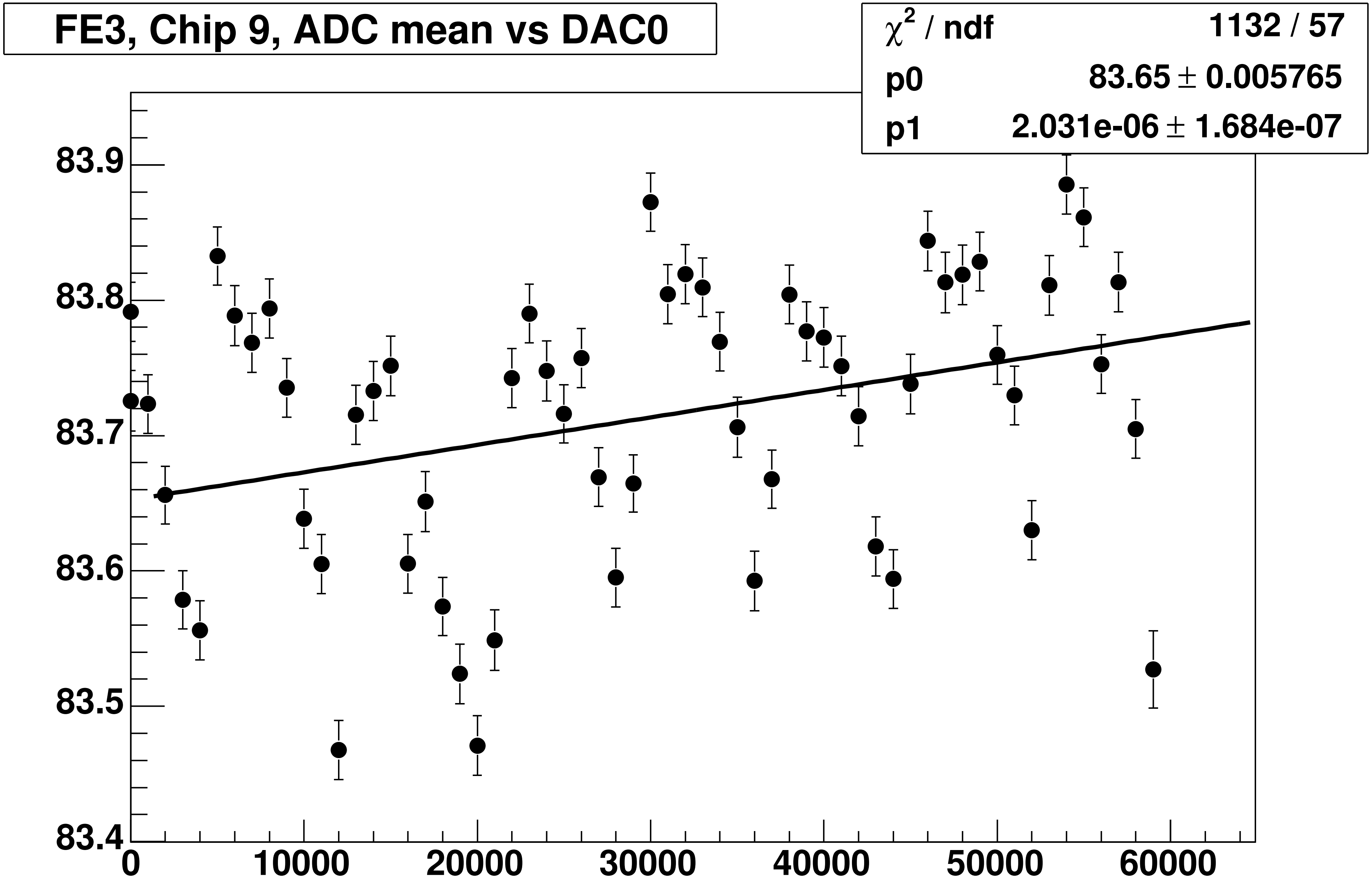

FE3, Chip 8, ADC residuals vs DAC0
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000

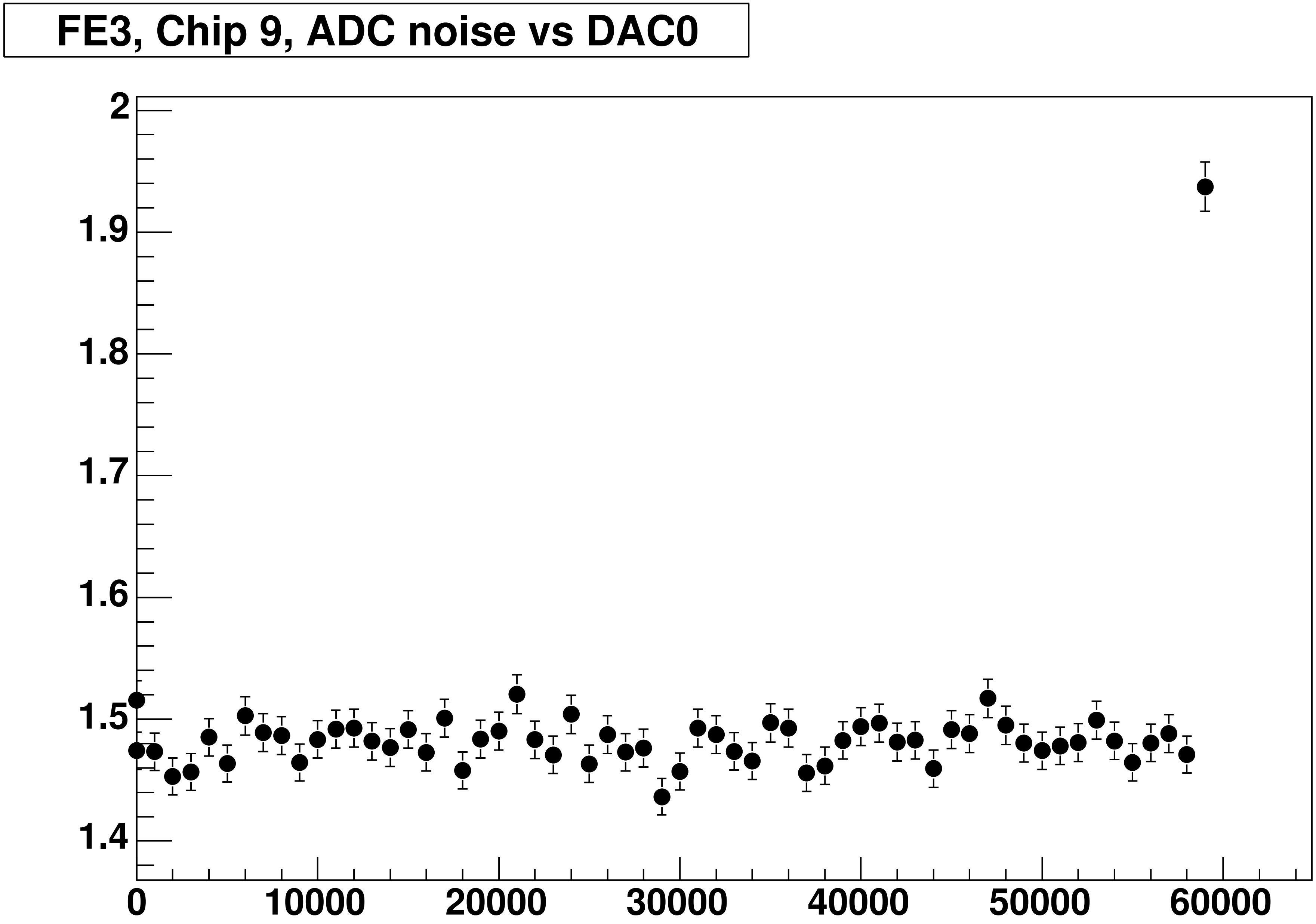


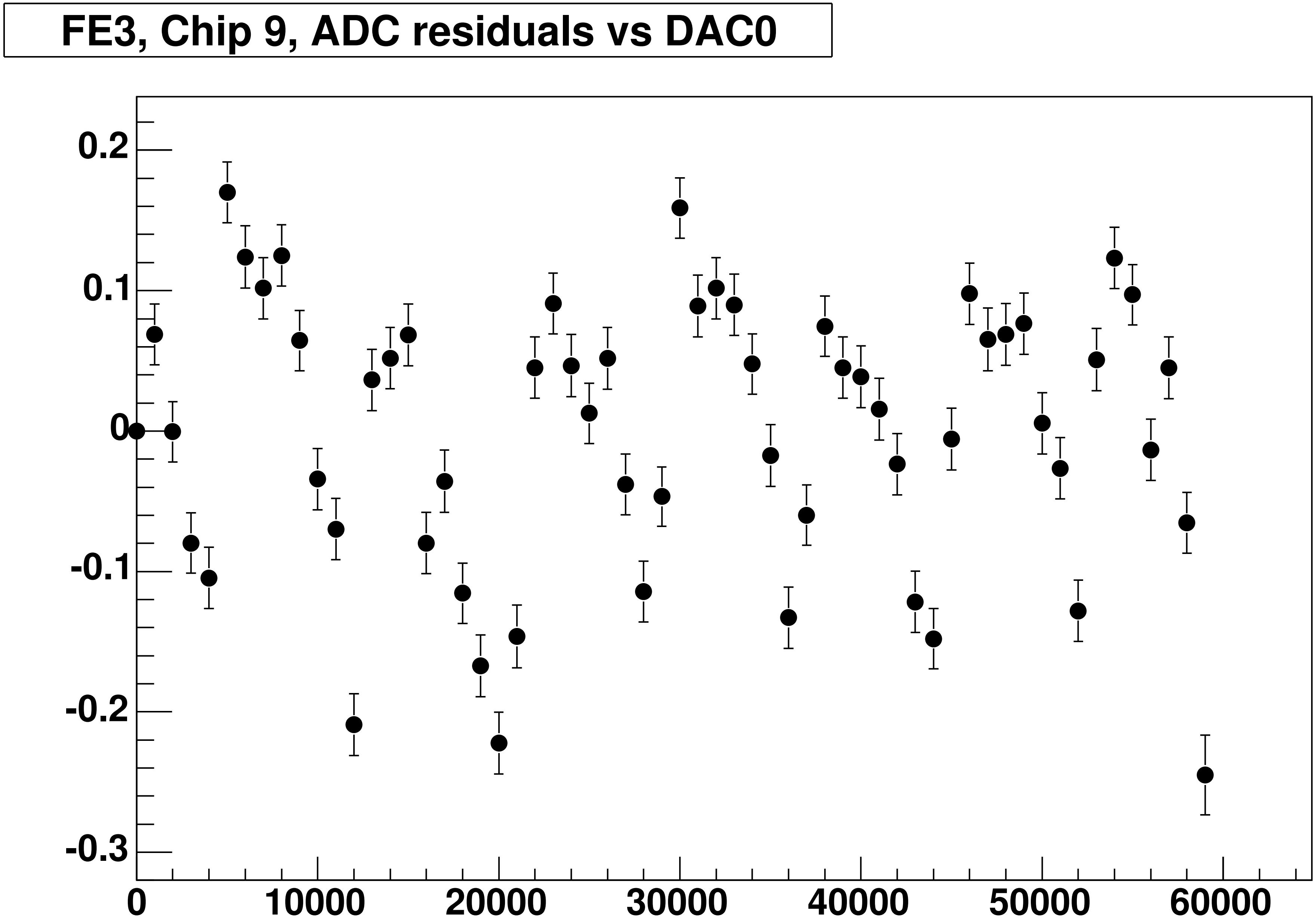
FE3, Chip 8, ADC mean vs DAC1
χ^2 / ndf 1.077e+05 / 57
p0 89.44 ± 0.01012
p1 0.4511 ± 3.295e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

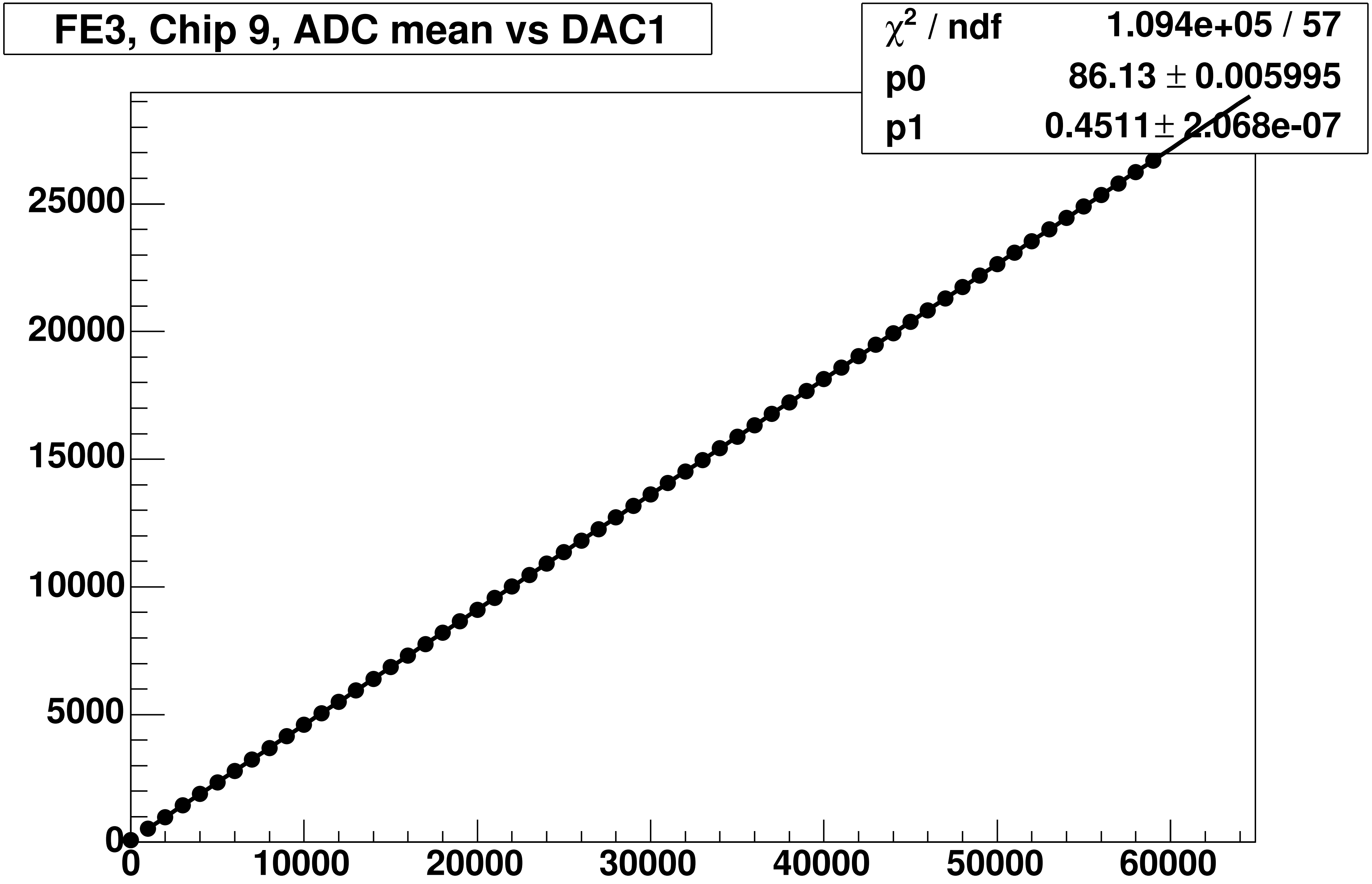

FE3, Chip 8, ADC noise vs DAC1
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

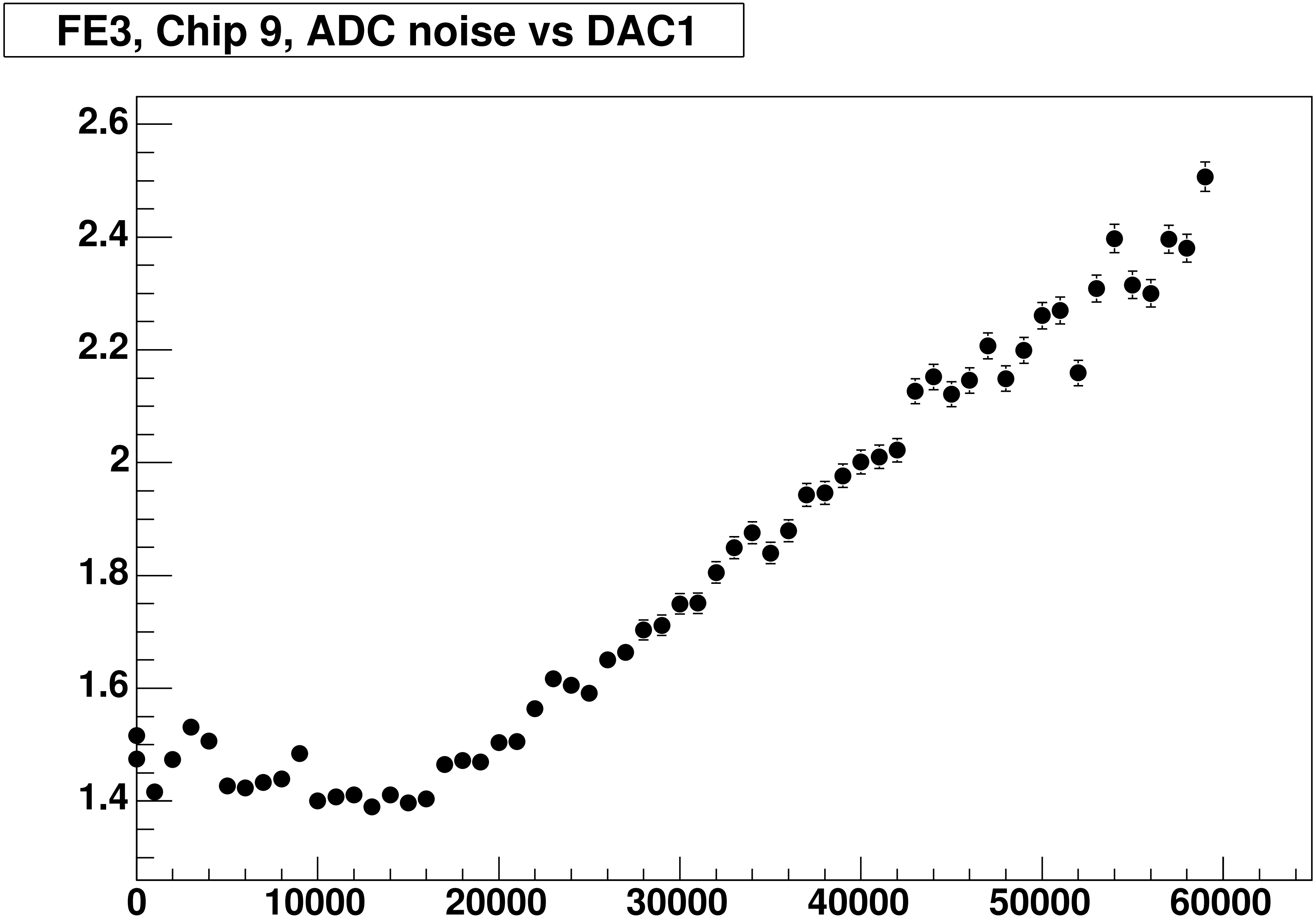

FE3, Chip 8, ADC residuals vs DAC1
4
2
0
-2
-4
-6
0
10000
20000
30000
40000
50000
60000

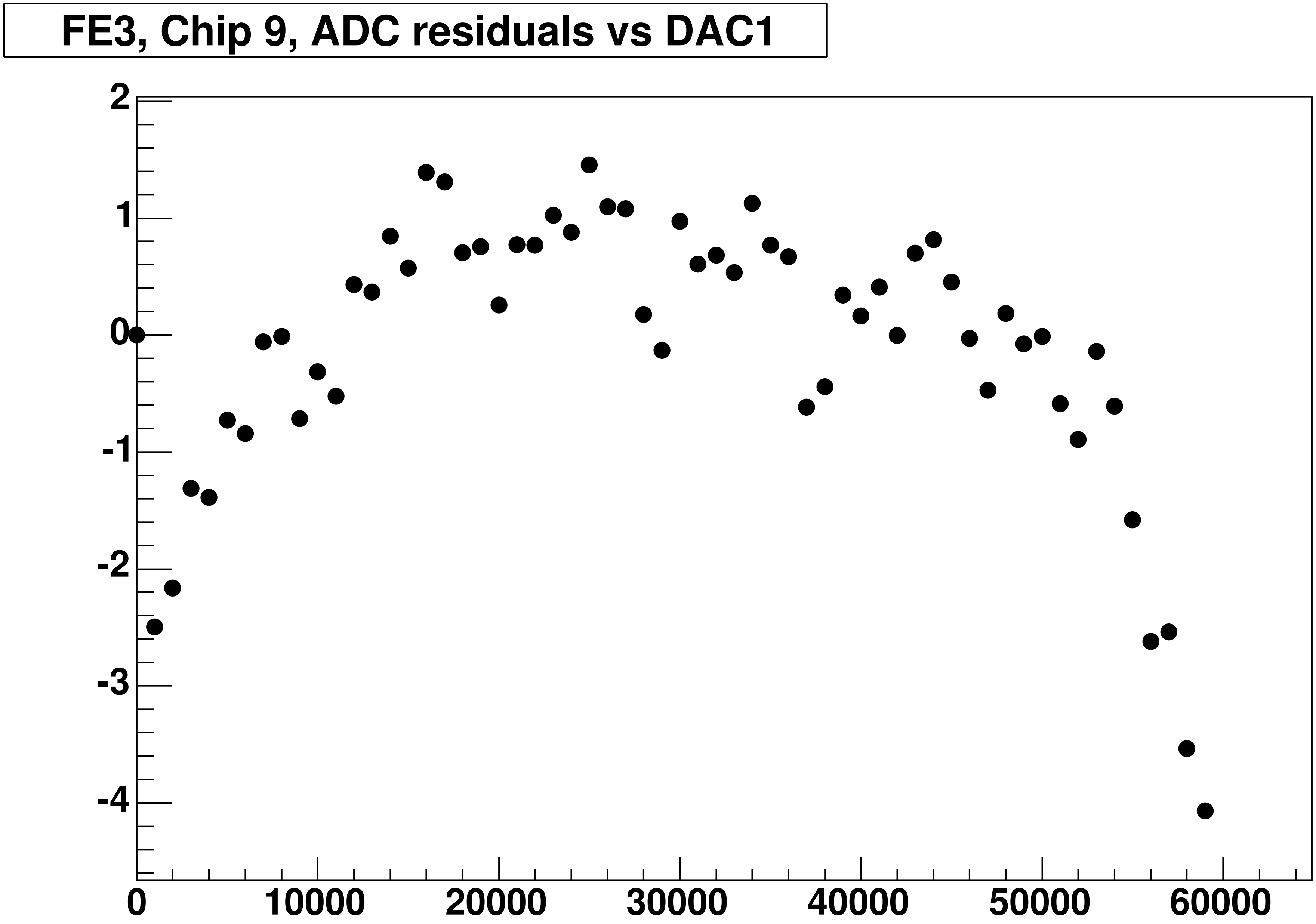

FE3, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1132 / 57
p0 83.65 ± 0.005765
p1 2.031e-06 ± 1.684e-07
83.4
83.5
83.6
83.7
83.8
83.9
0
10000
20000
30000
40000
50000
60000

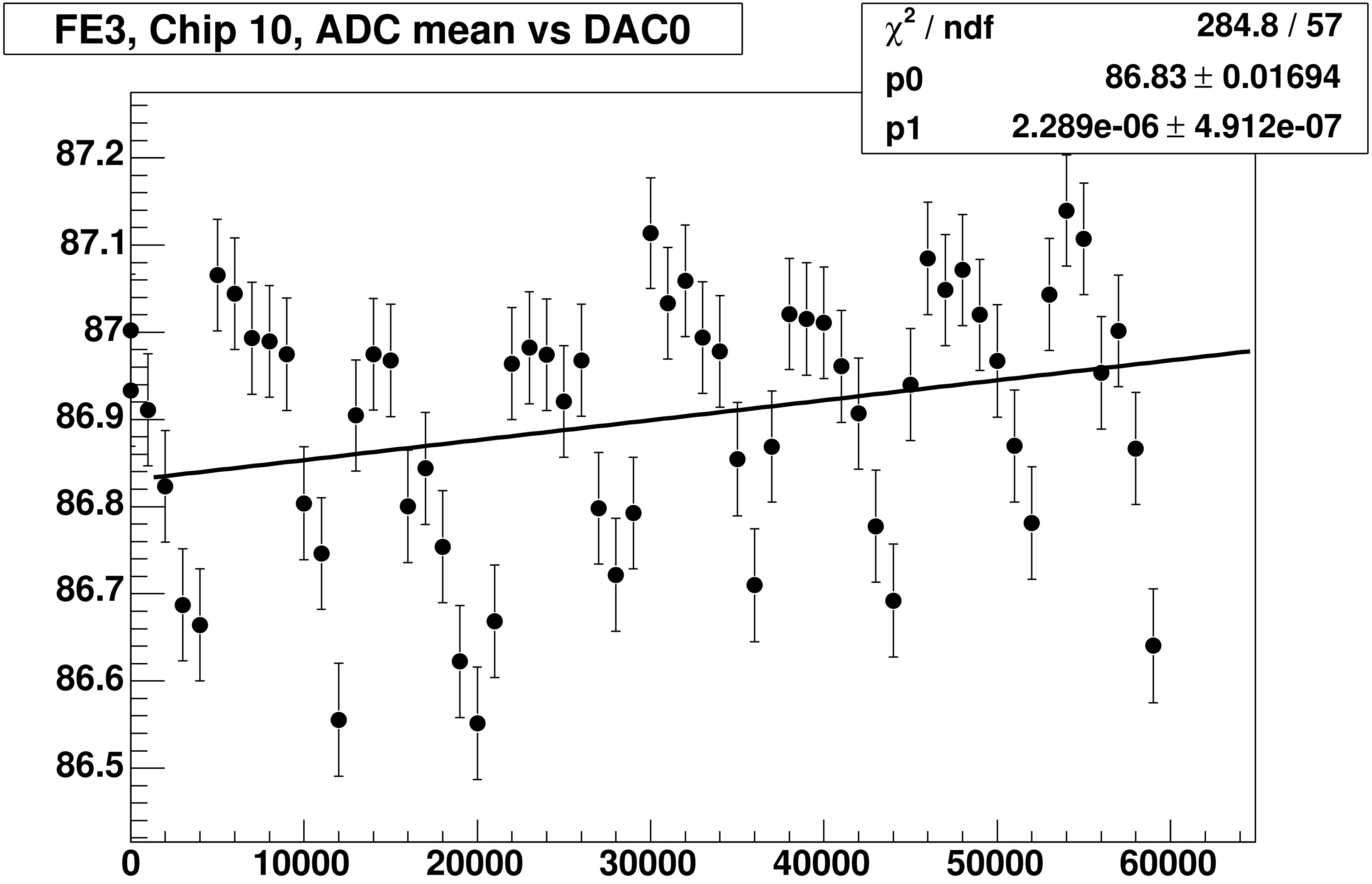

FE3, Chip 9, ADC noise vs DAC0
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000


FE3, Chip 9, ADC residuals vs DAC0
0.2
0.1
0
-0.1
-0.2
-0.3
0
10000
20000
30000
40000
50000
60000

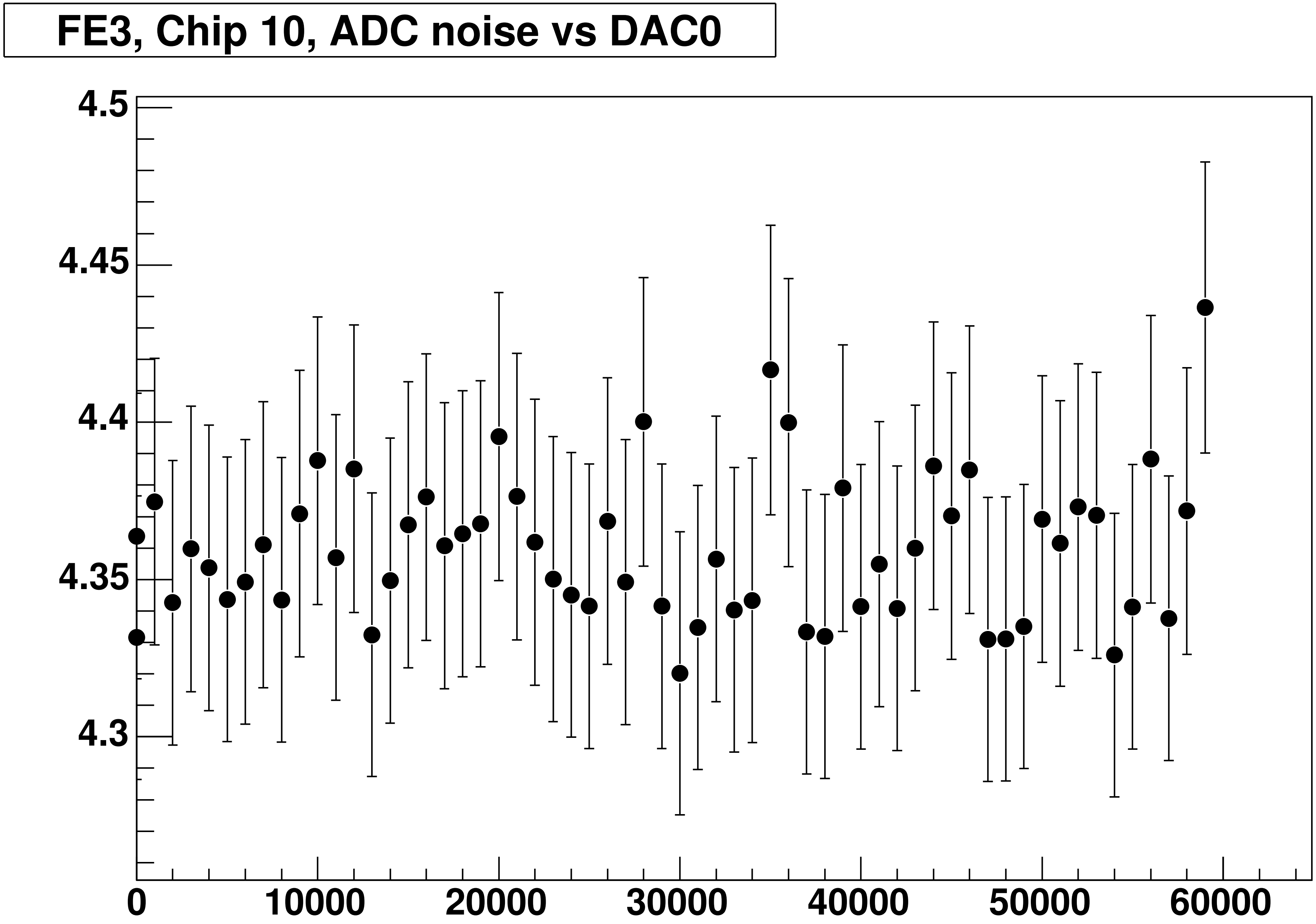

FE3, Chip 9, ADC mean vs DAC1
χ^2 / ndf 1.094e+05 / 57
p0 86.13 ± 0.005995
p1 0.4511 ± 2.068e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

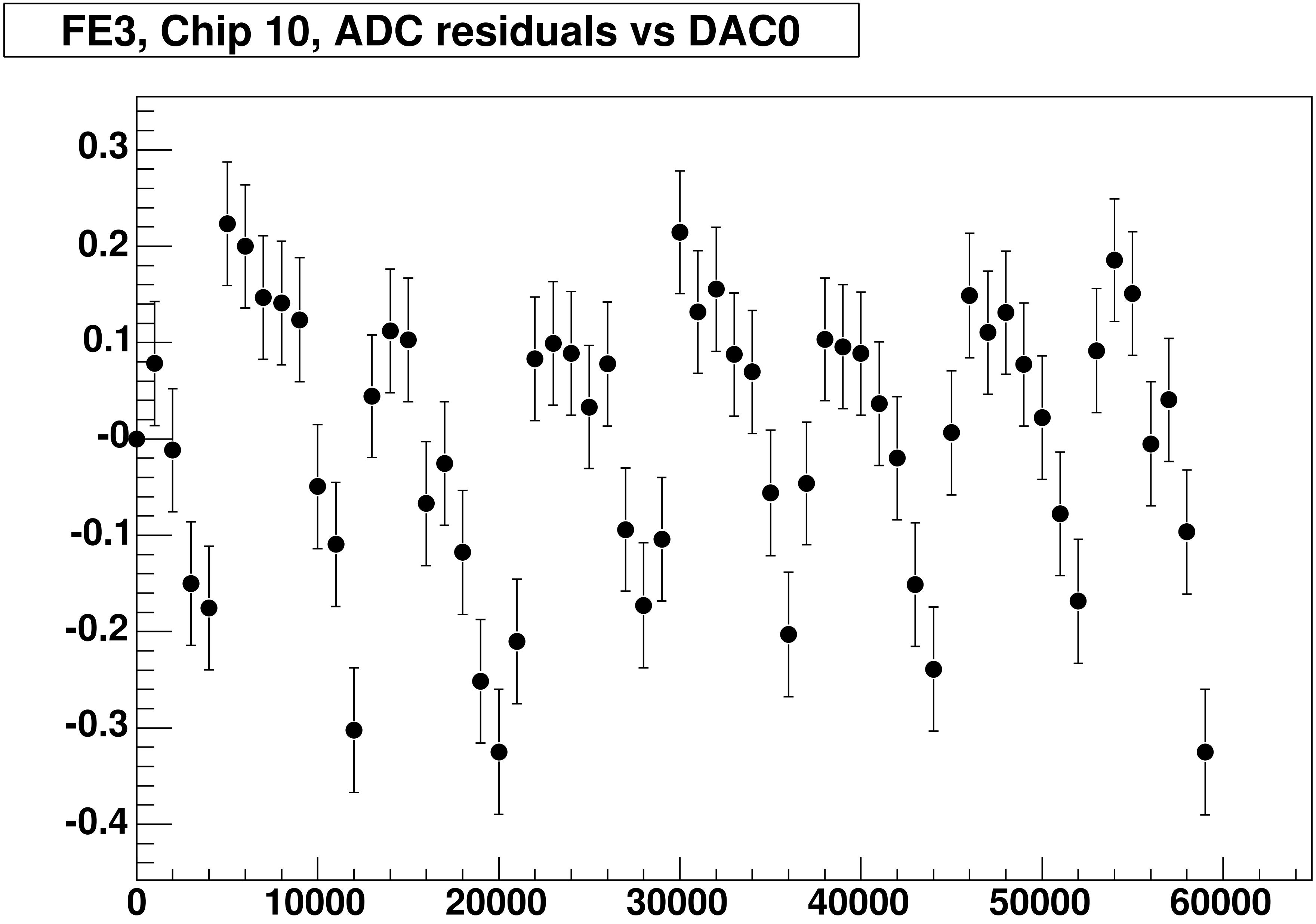

FE3, Chip 9, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

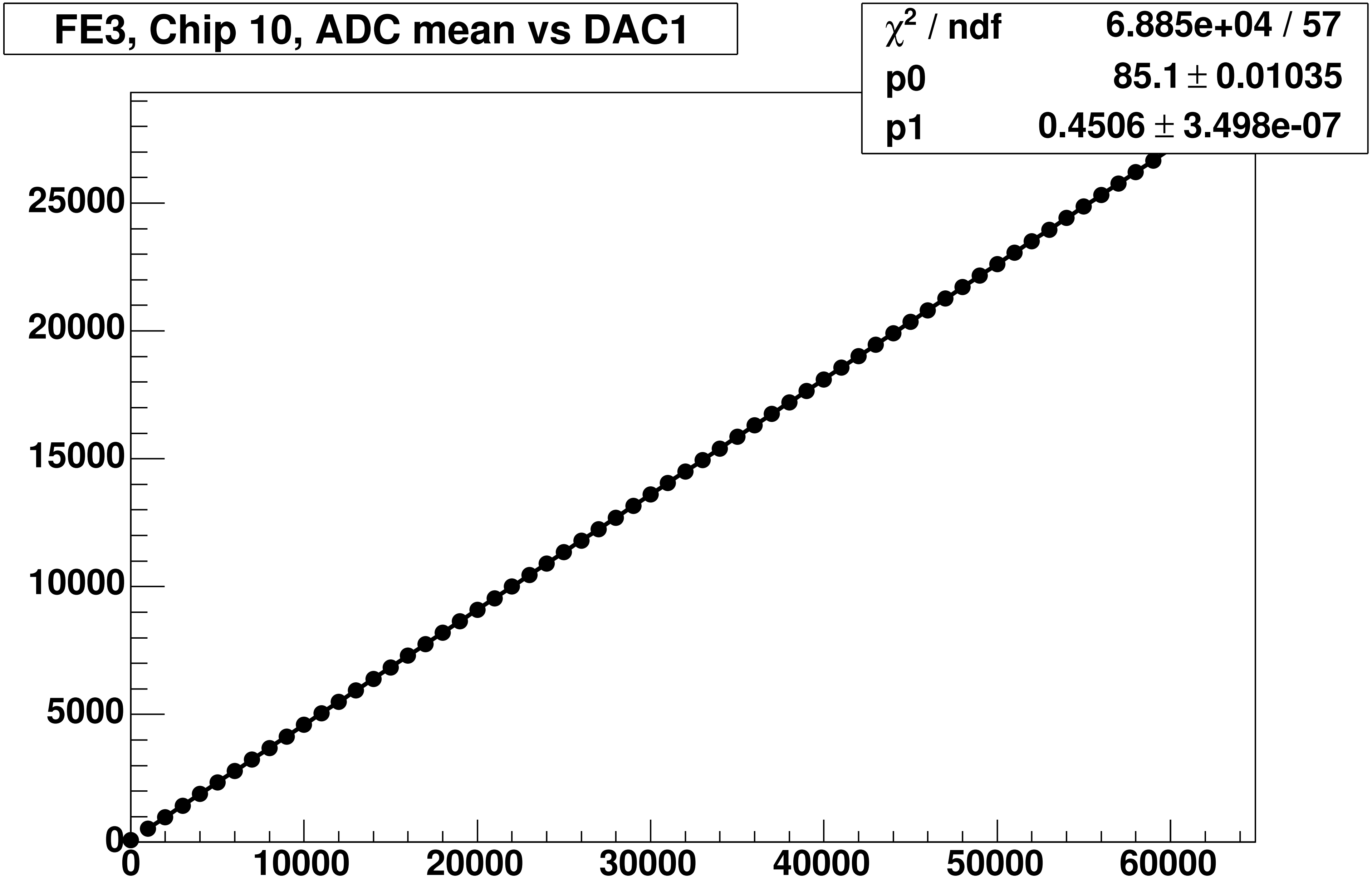

FE3, Chip 9, ADC residuals vs DAC1
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000

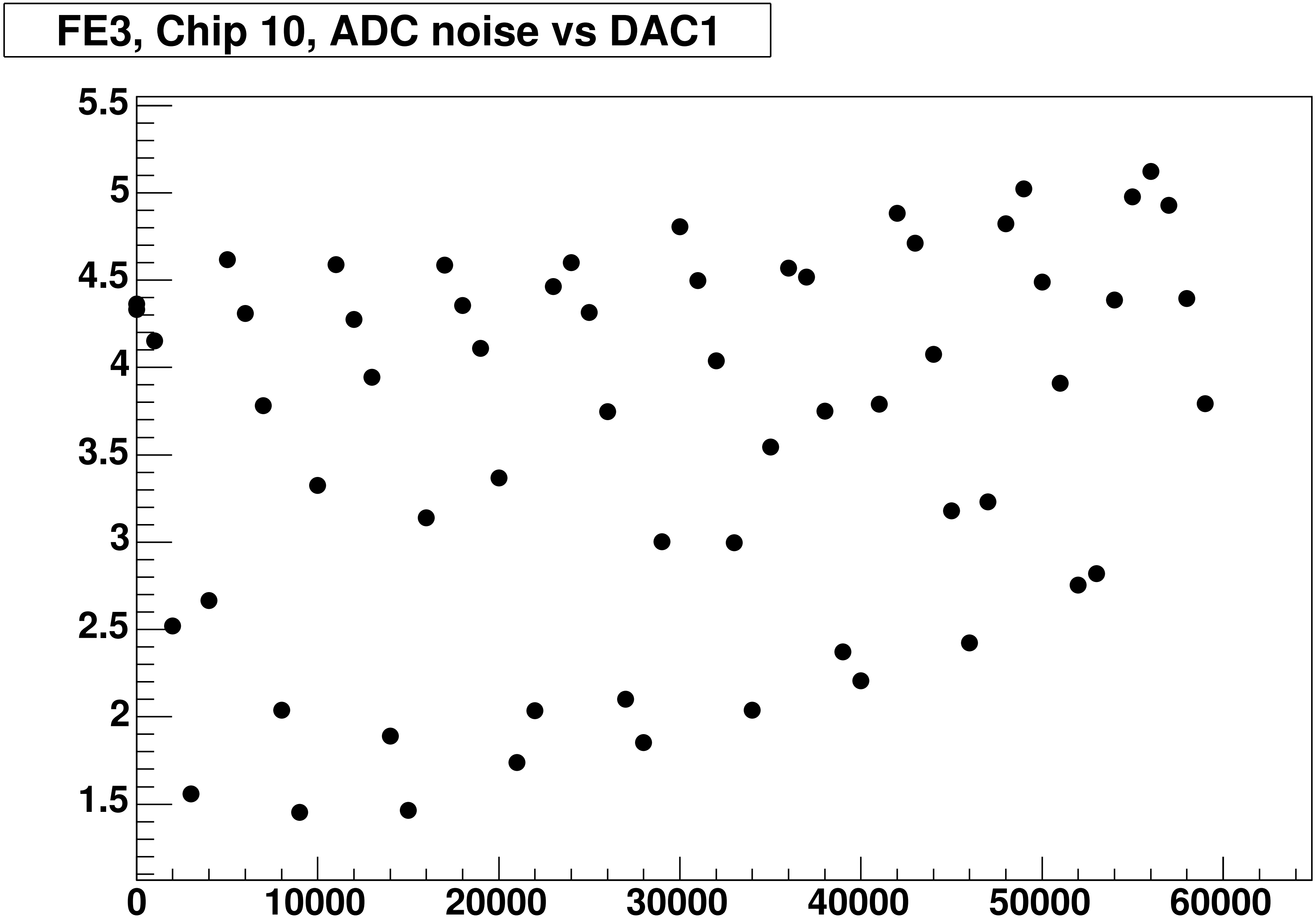


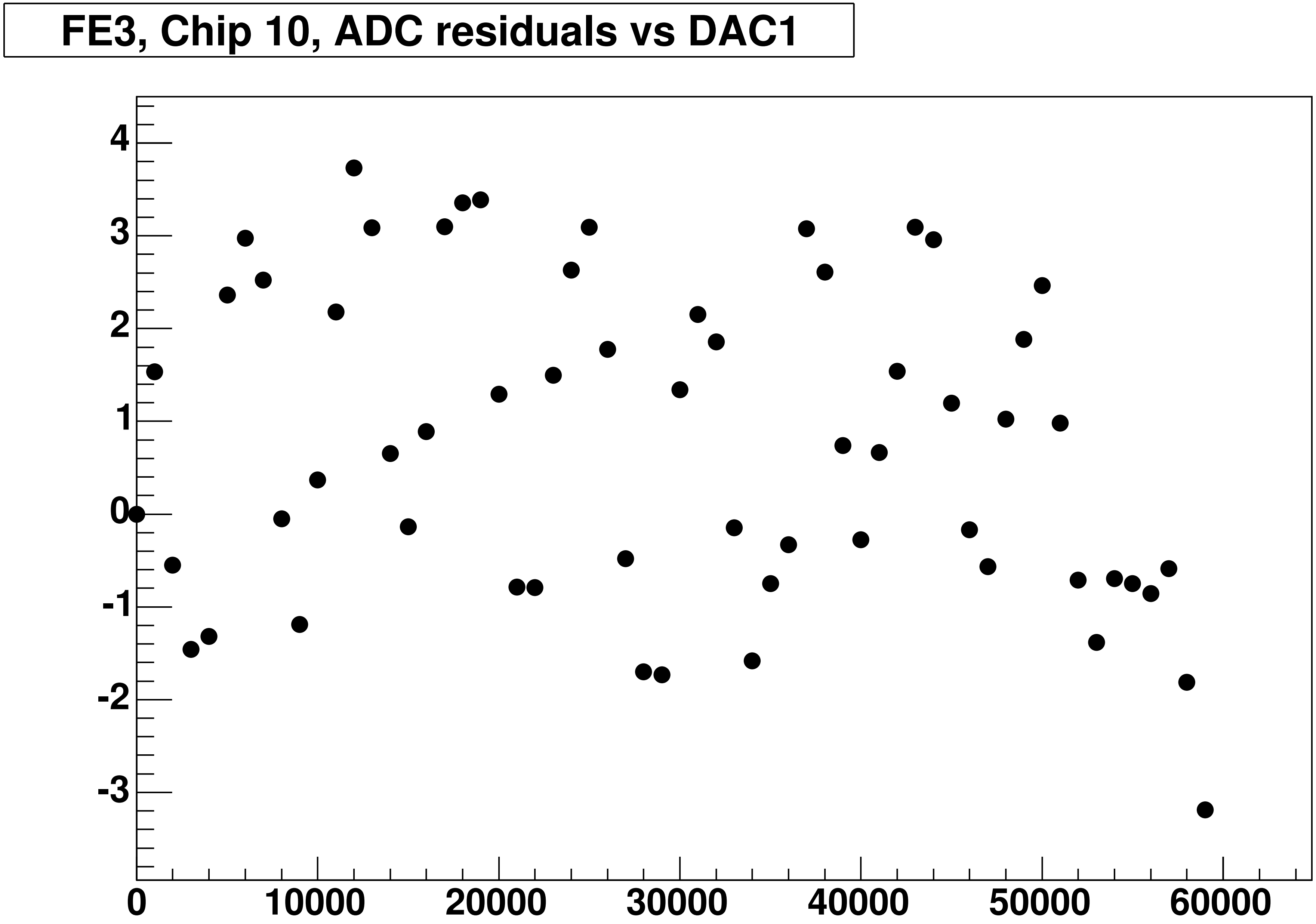
FE3, Chip 10, ADC mean vs DAC0
χ^2 / ndf 284.8 / 57
p0 86.83 ± 0.01694
p1 2.289e-06 ± 4.912e-07
87.2
87.1
87
86.9
86.8
86.7
86.6
86.5
0
10000
20000
30000
40000
50000
60000

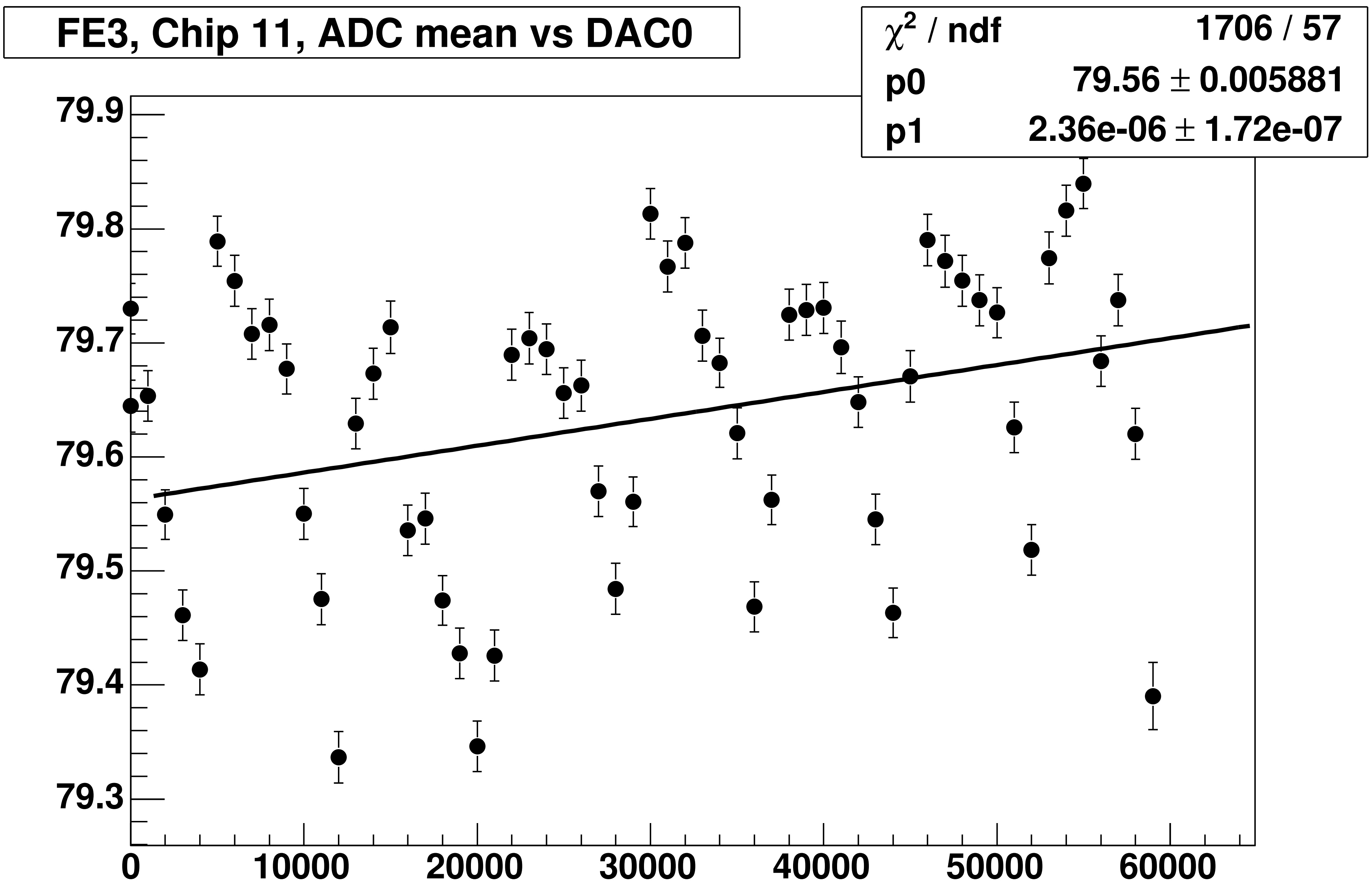

FE3, Chip 10, ADC noise vs DAC0
4.5
4.45
4.4
4.35
4.3
0
10000
20000
30000
40000
50000
60000


FE3, Chip 10, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

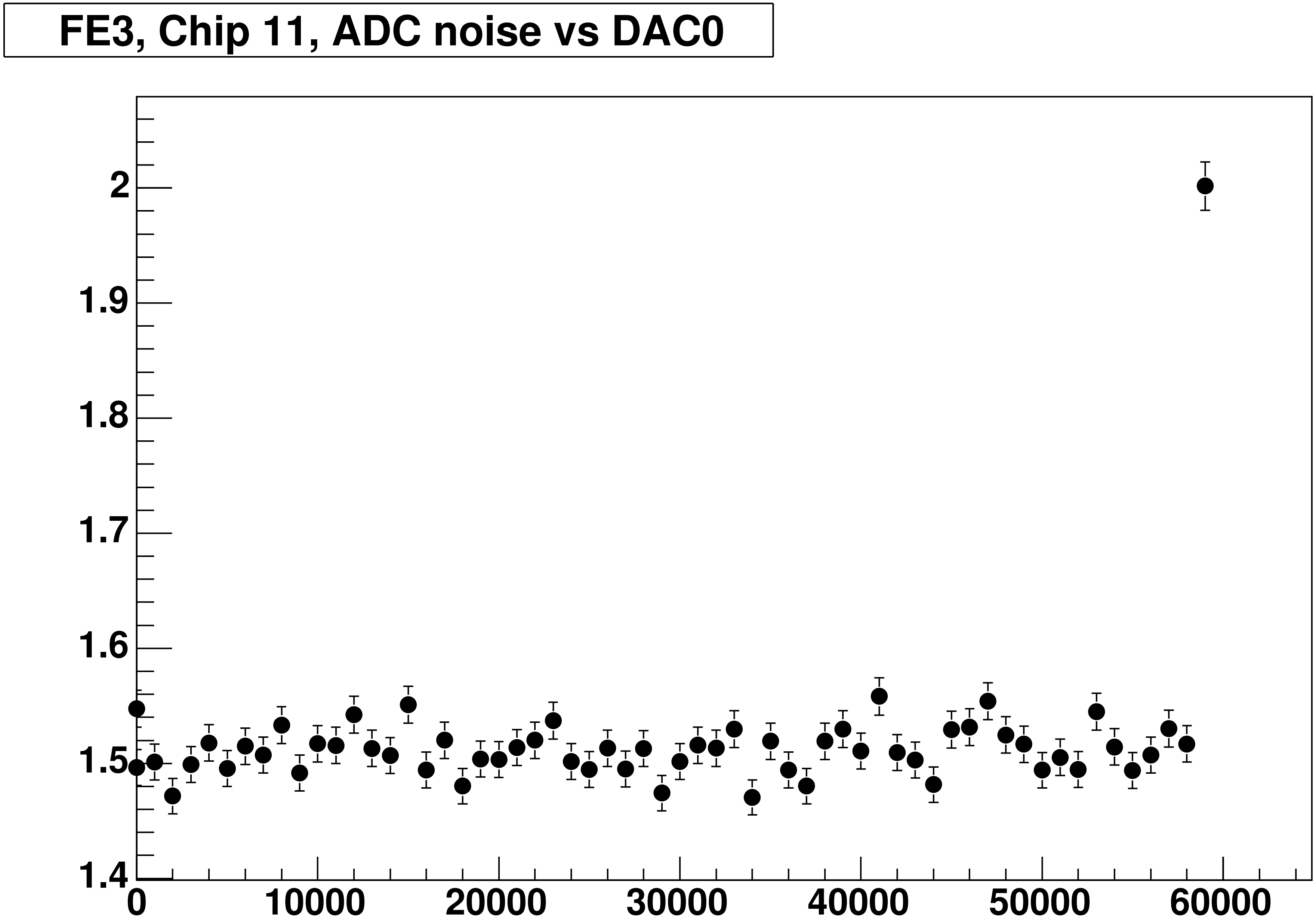

FE3, Chip 10, ADC mean vs DAC1
χ^2 / ndf 6.885e+04 / 57
p0 85.1 ± 0.01035
p1 0.4506 ± 3.498e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

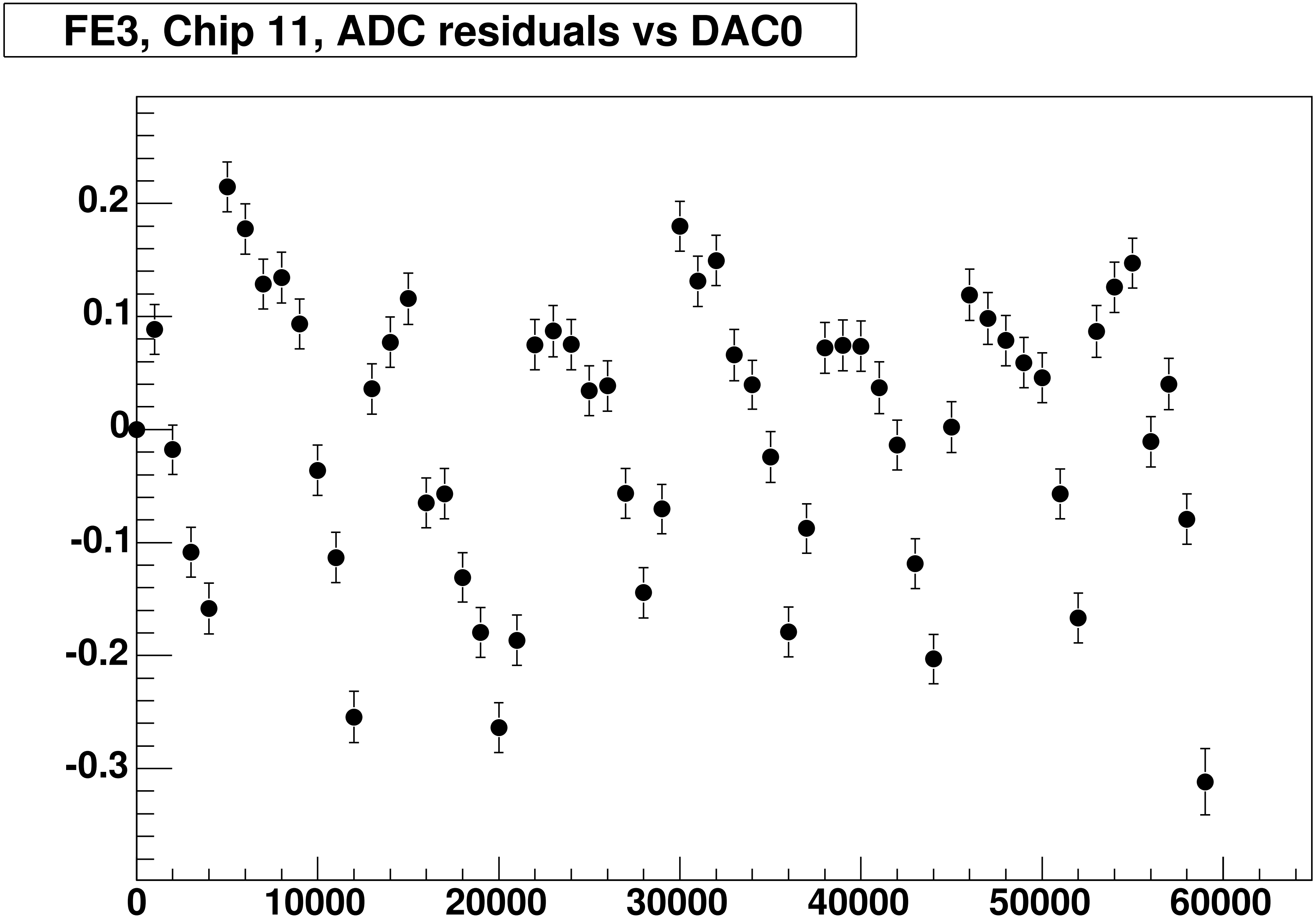

FE3, Chip 10, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

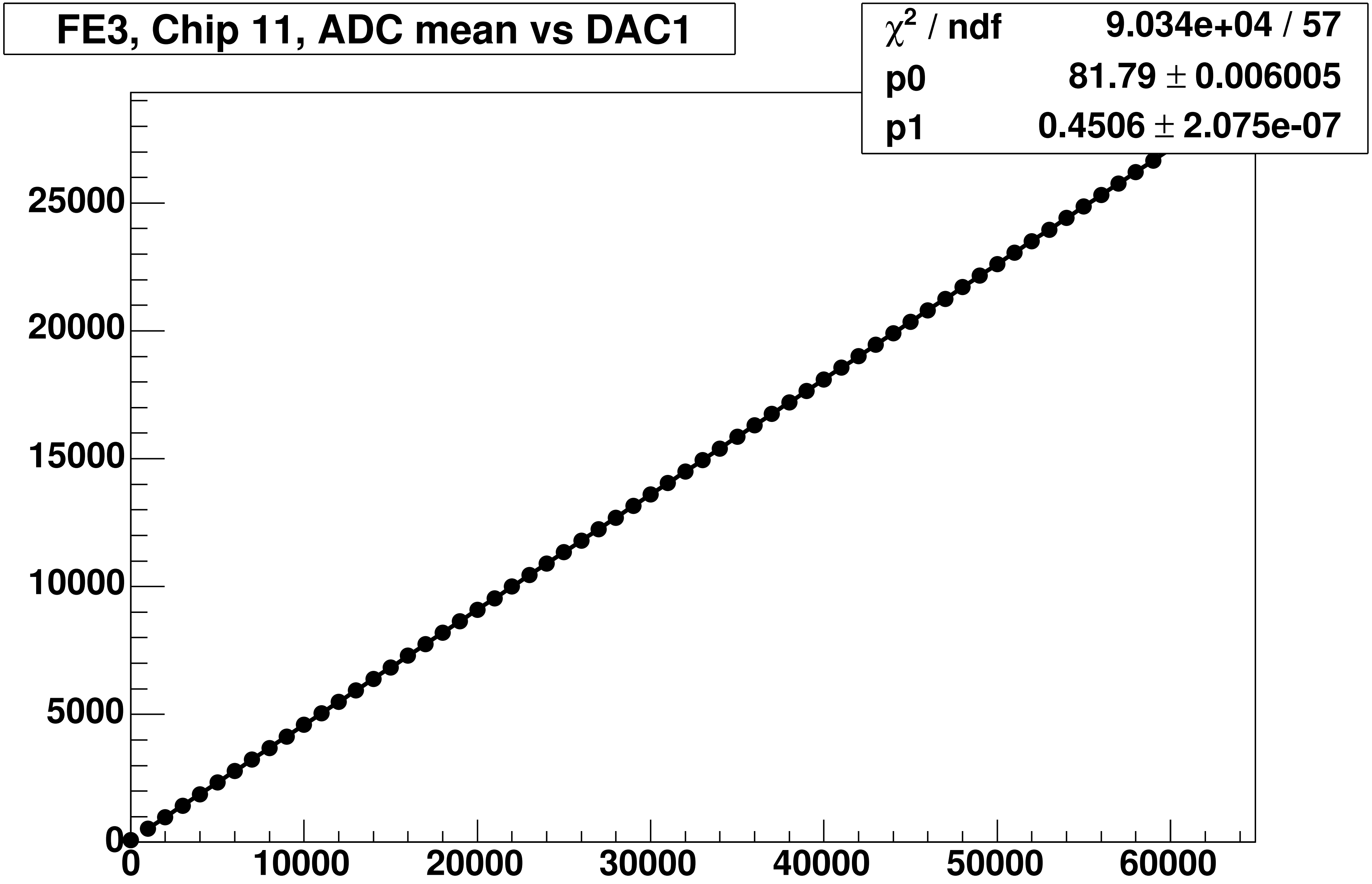

FE3, Chip 10, ADC residuals vs DAC1
4
3
2
1
0
-1
-2
-3
0
10000
20000
30000
40000
50000
60000

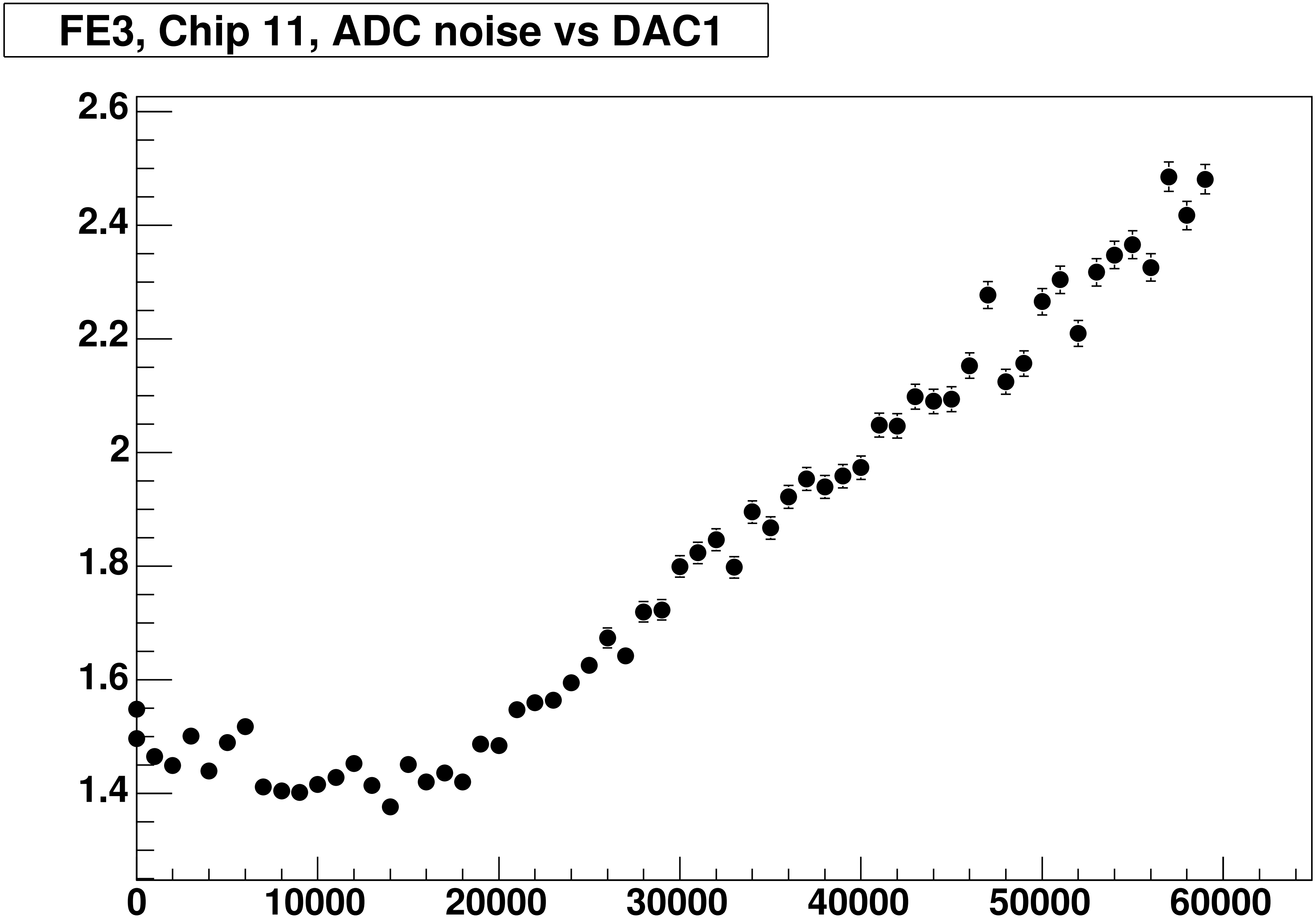


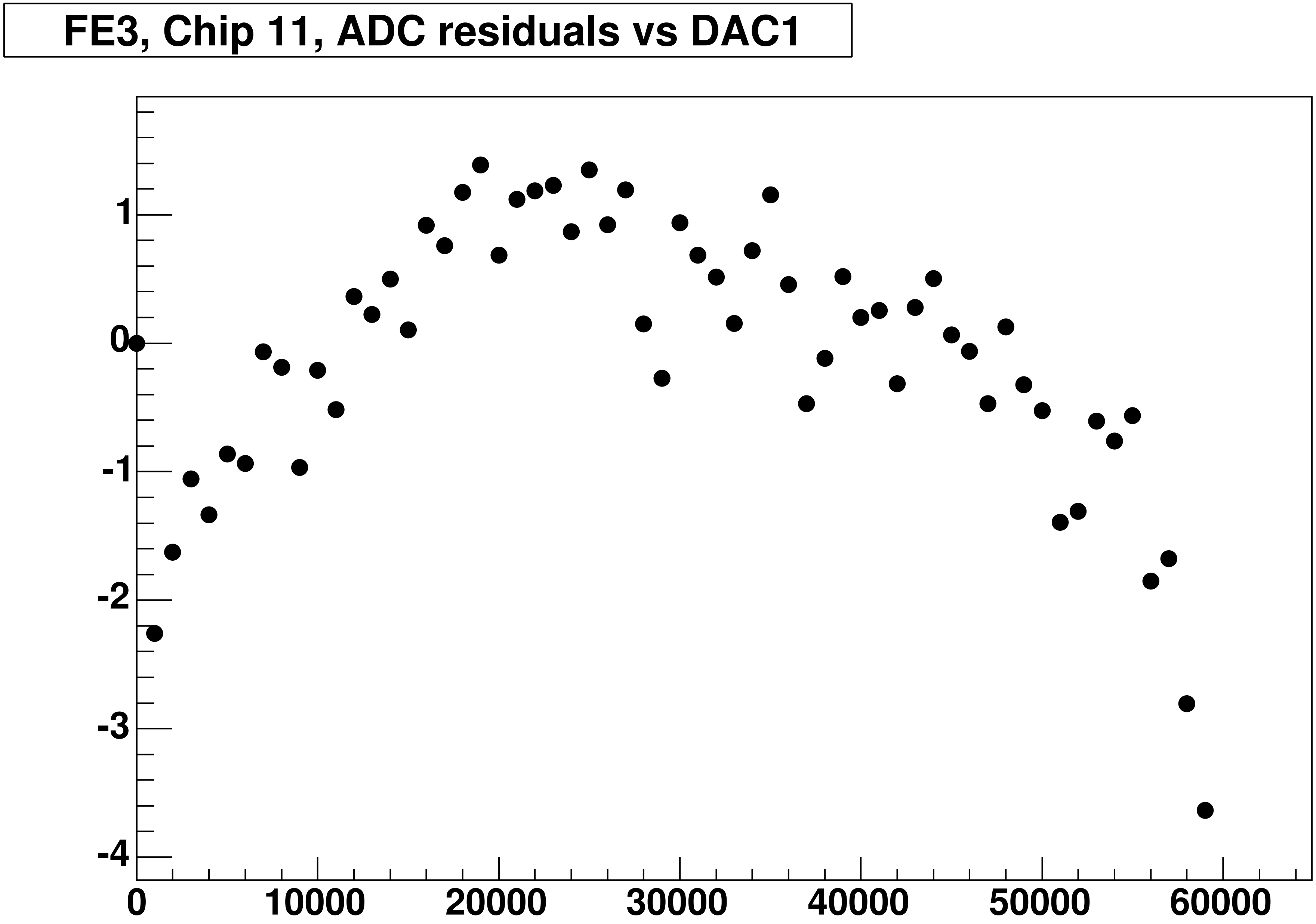
FE3, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1706 / 57
p0 79.56 ± 0.005881
p1 2.36e-06 ± 1.72e-07
79.9
79.8
79.7
79.6
79.5
79.4
79.3
0
10000
20000
30000
40000
50000
60000

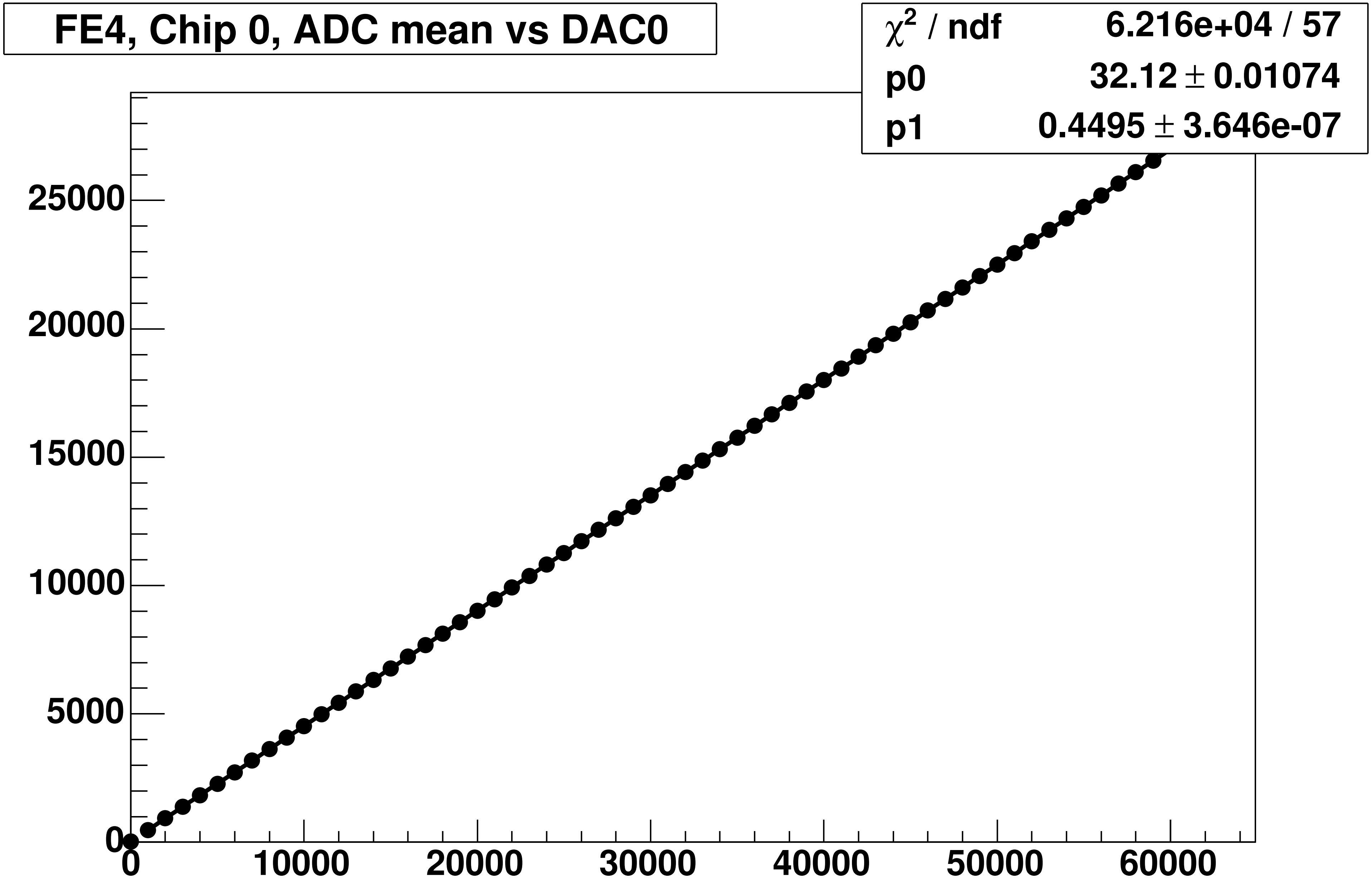

FE3, Chip 11, ADC noise vs DAC0
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000

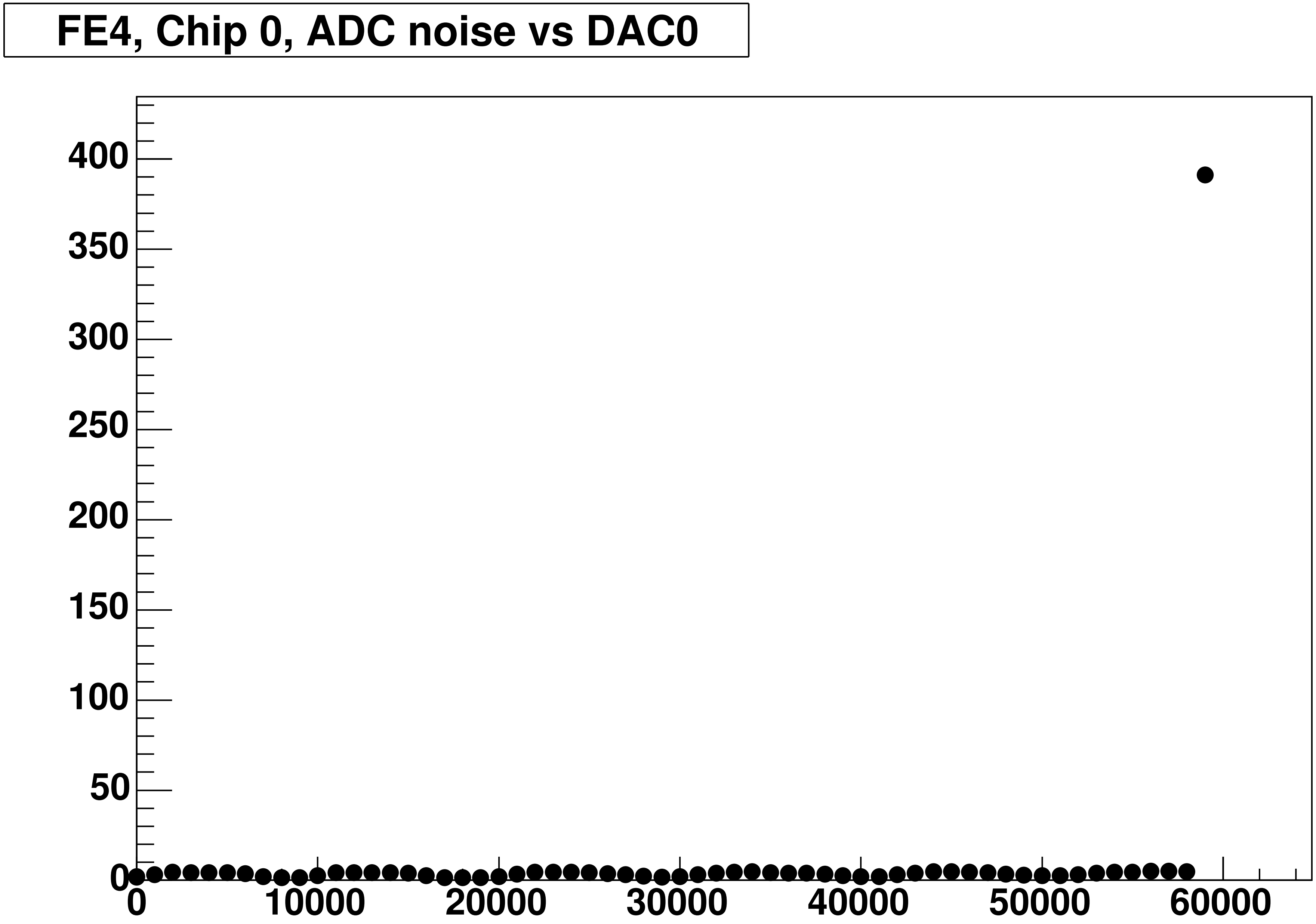

FE3, Chip 11, ADC residuals vs DAC0
0.2
0.1
0
-0.1
-0.2
-0.3
0
10000
20000
30000
40000
50000
60000

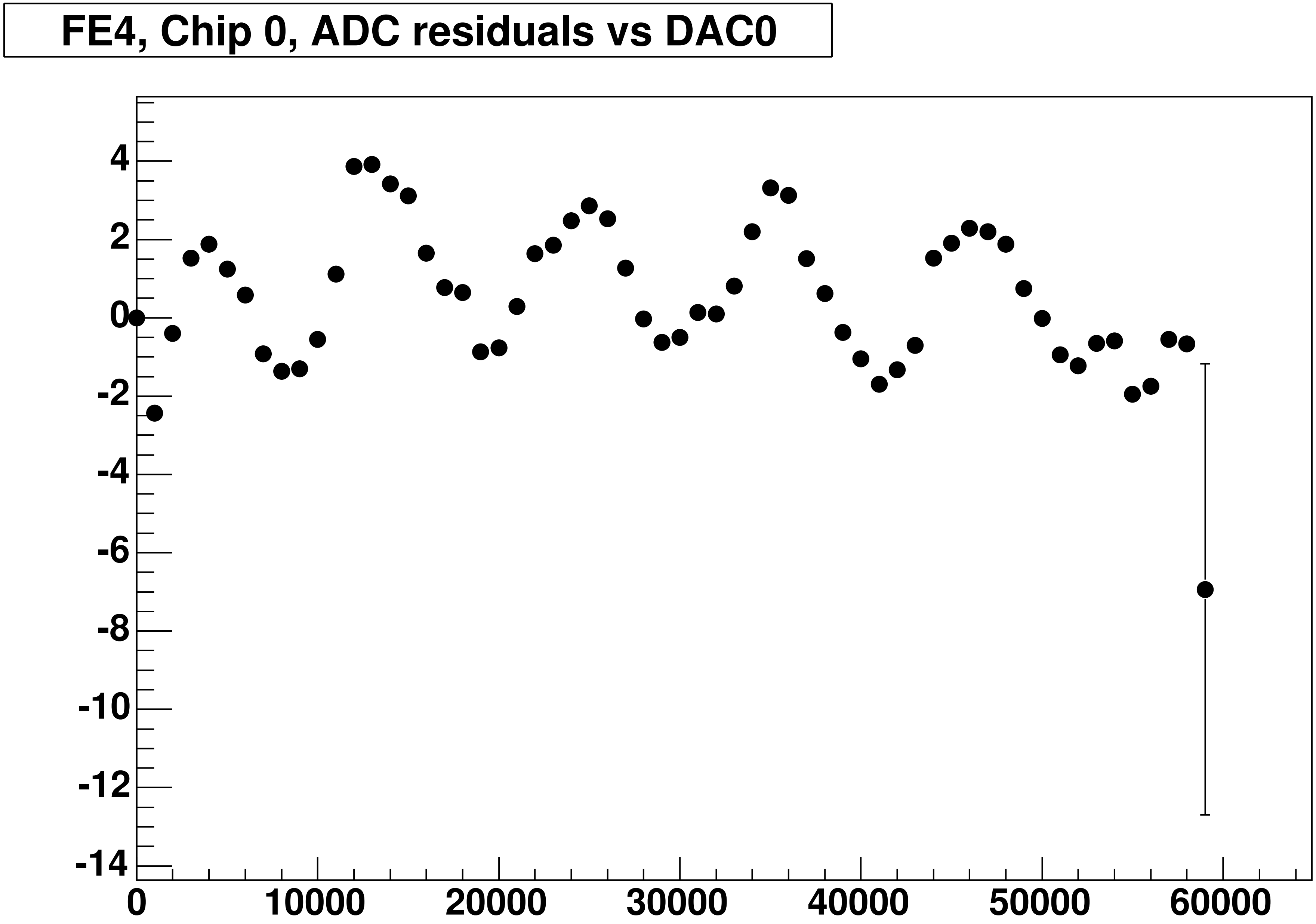

FE3, Chip 11, ADC mean vs DAC1
χ^2 / ndf 9.034e+04 / 57
p0 81.79 ± 0.006005
p1 0.4506 ± 2.075e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

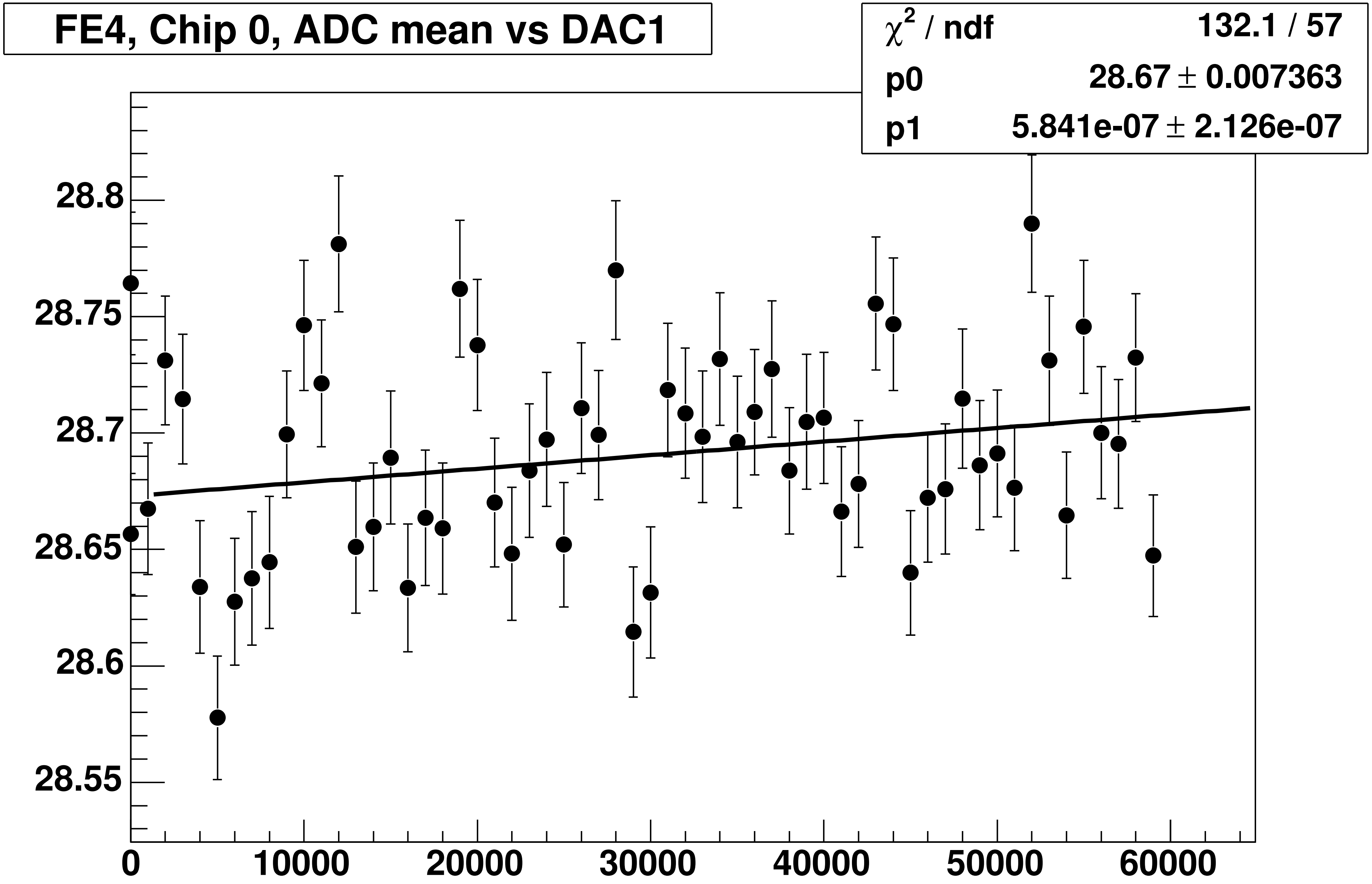

FE3, Chip 11, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

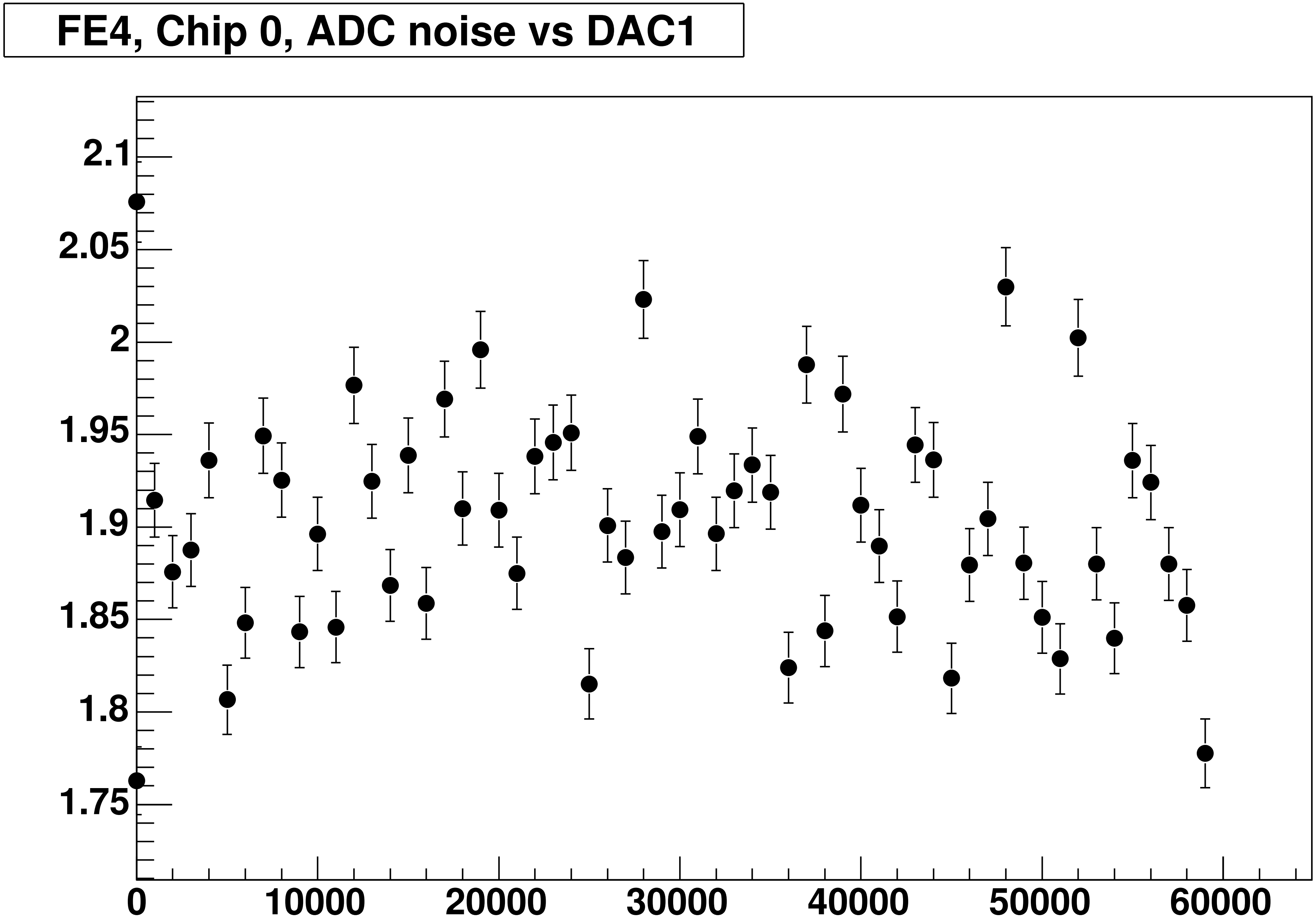

FE3, Chip 11, ADC residuals vs DAC1
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000

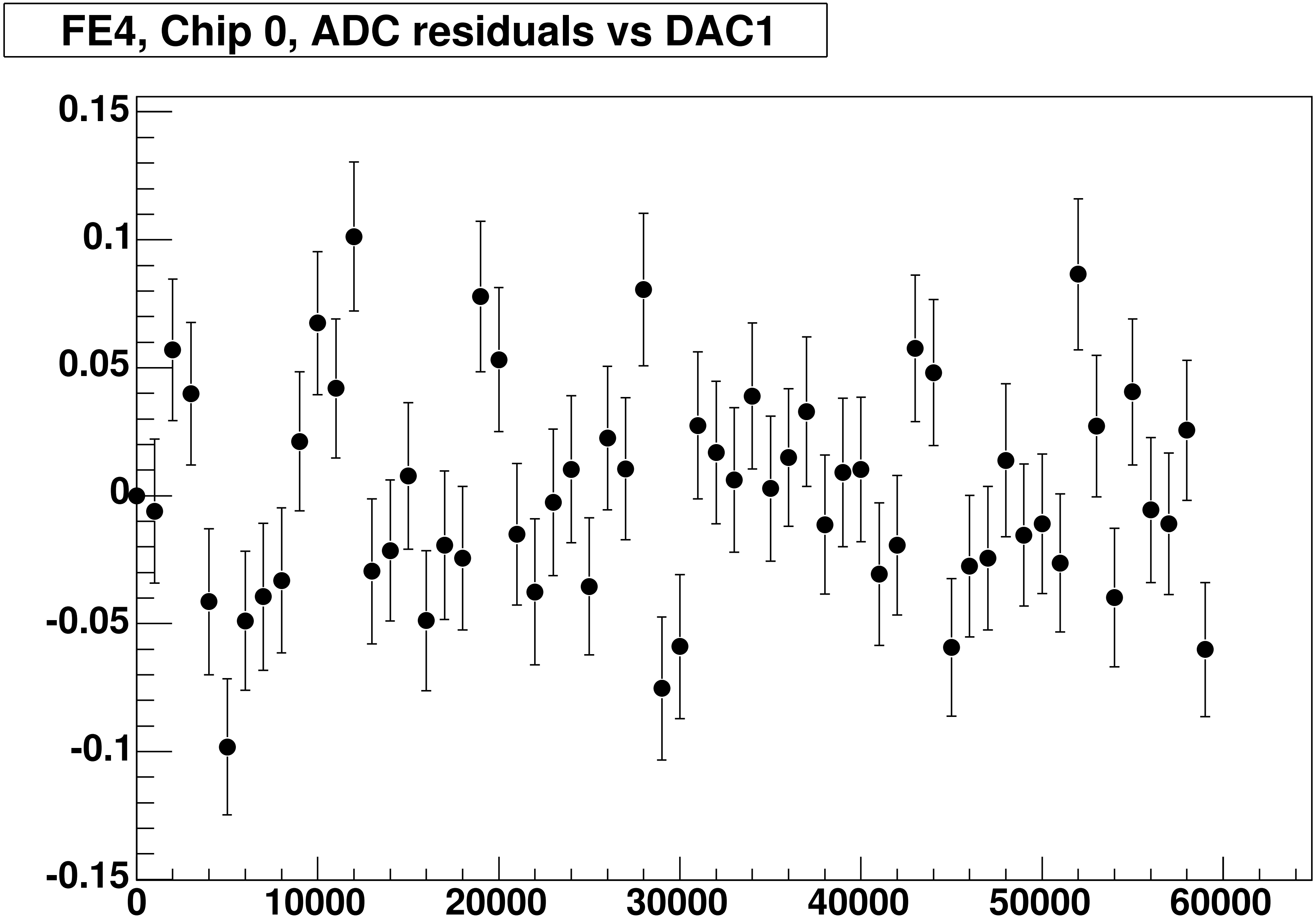

FE4, Chip 0, ADC mean vs DAC0
χ^2 / ndf 6.216e+04 / 57
p0 32.12 ± 0.01074
p1 0.4495 ± 3.646e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE4, Chip 0, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

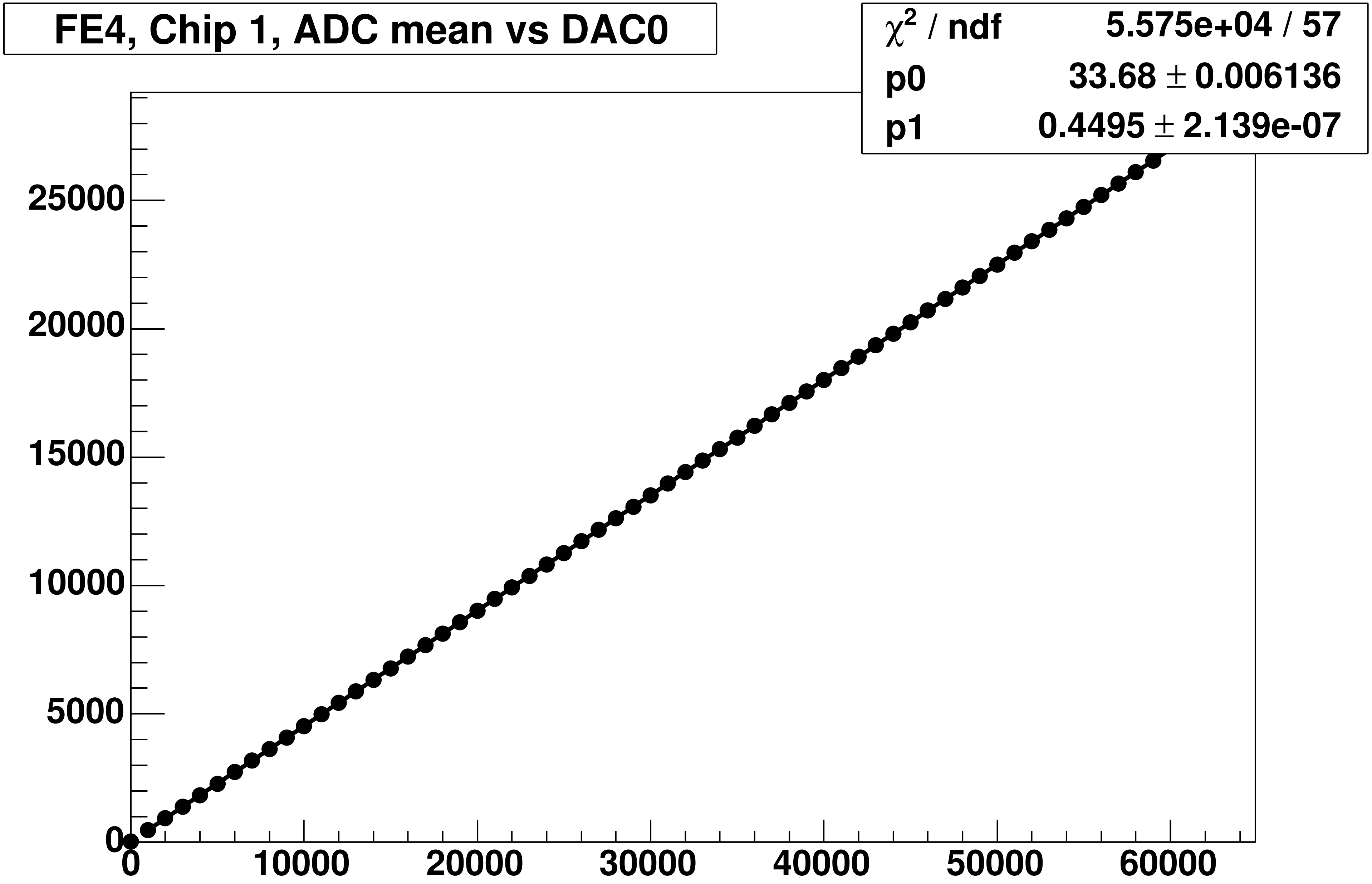

FE4, Chip 0, ADC residuals vs DAC0
4
2
0
-2
-4
-6
-8
-10
-12
-14
0
10000
20000
30000
40000
50000
60000


FE4, Chip 0, ADC mean vs DAC1
χ^2 / ndf 132.1 / 57
p0 28.67 ± 0.007363
p1 5.841e-07 ± 2.126e-07
28.55
28.6
28.65
28.7
28.75
28.8
0
10000
20000
30000
40000
50000
60000

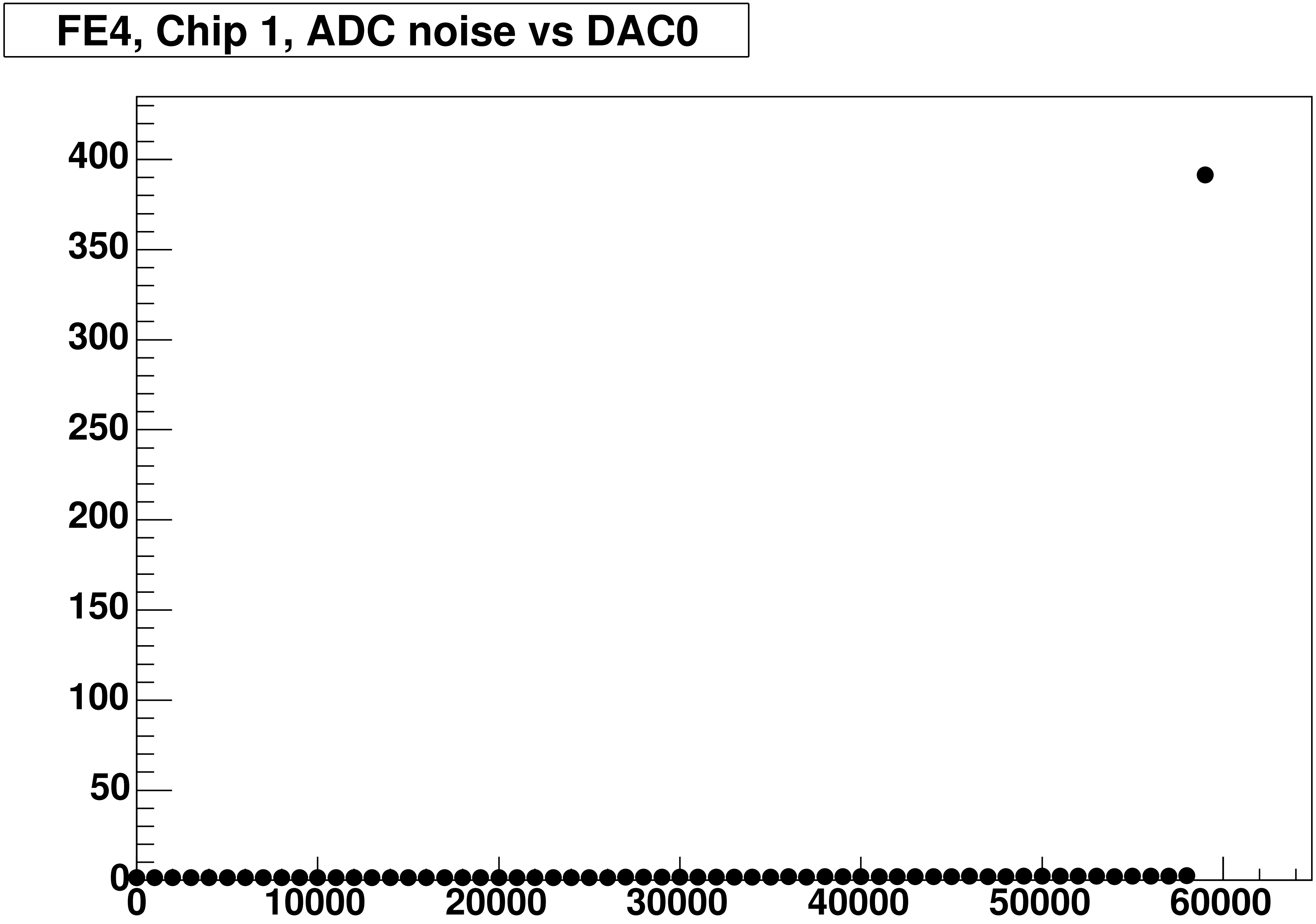

FE4, Chip 0, ADC noise vs DAC1
2.1
2.05
2
1.95
1.9
1.85
1.8
1.75
0
10000
20000
30000
40000
50000
60000

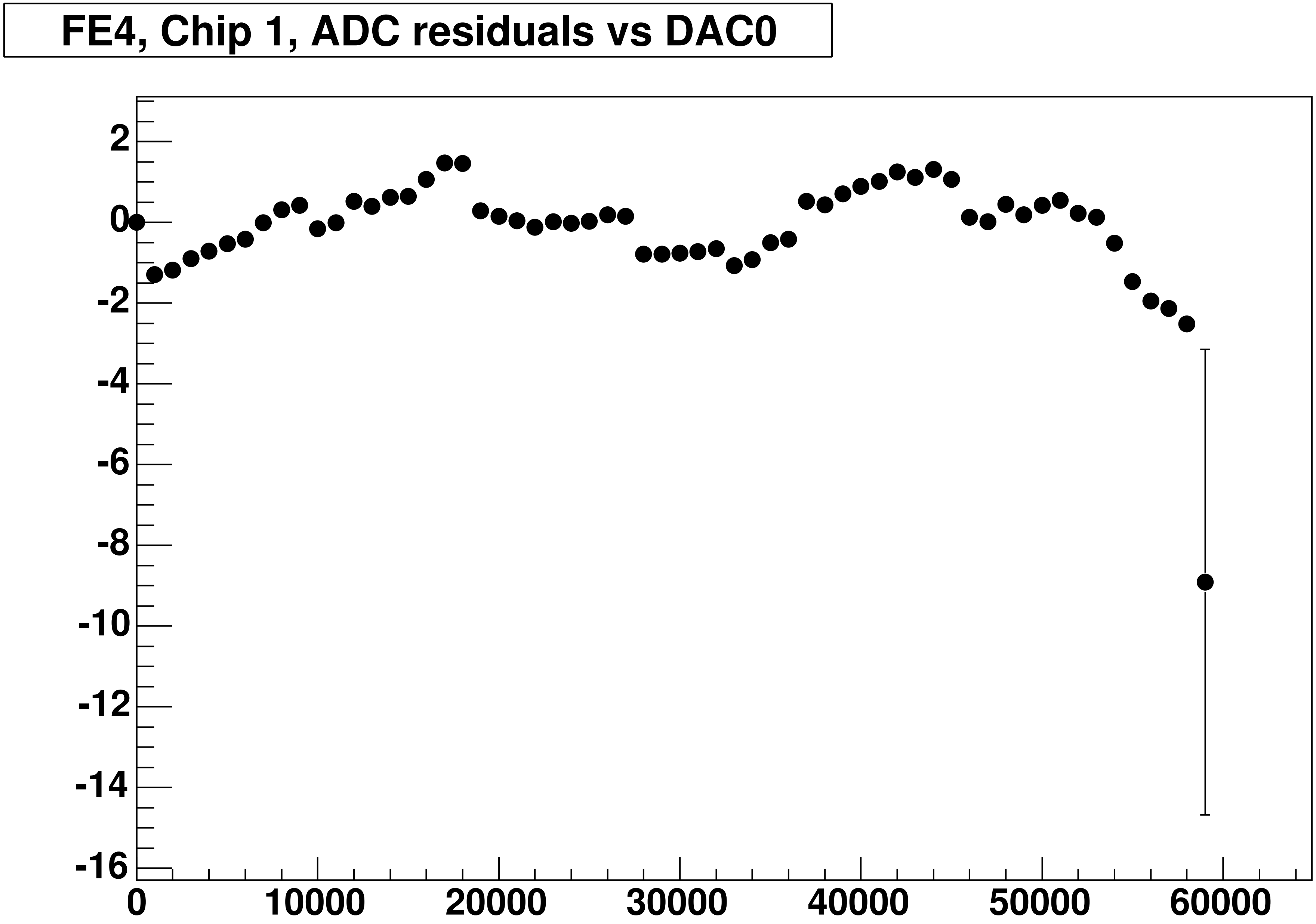


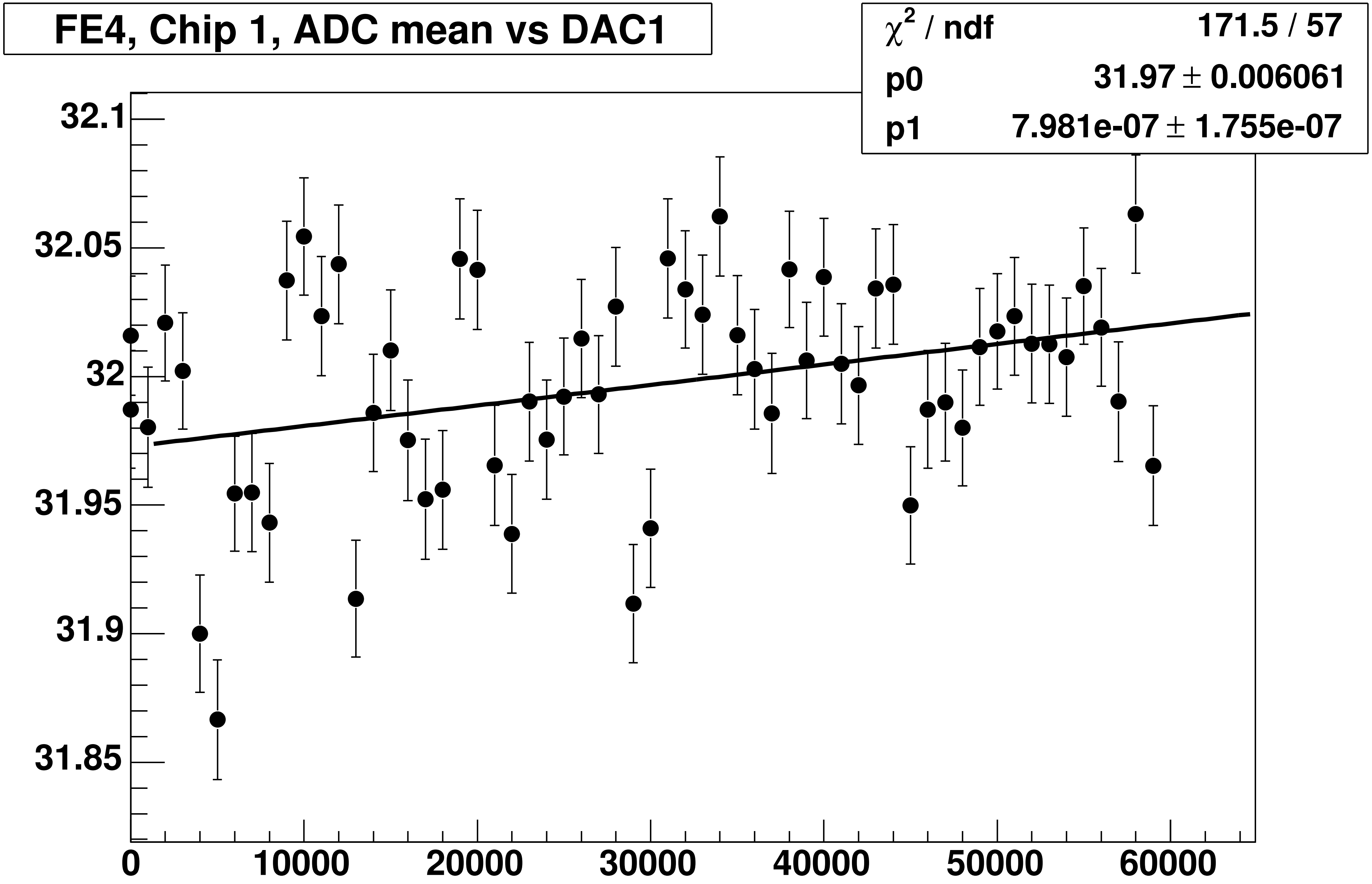
FE4, Chip 0, ADC residuals vs DAC1
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000



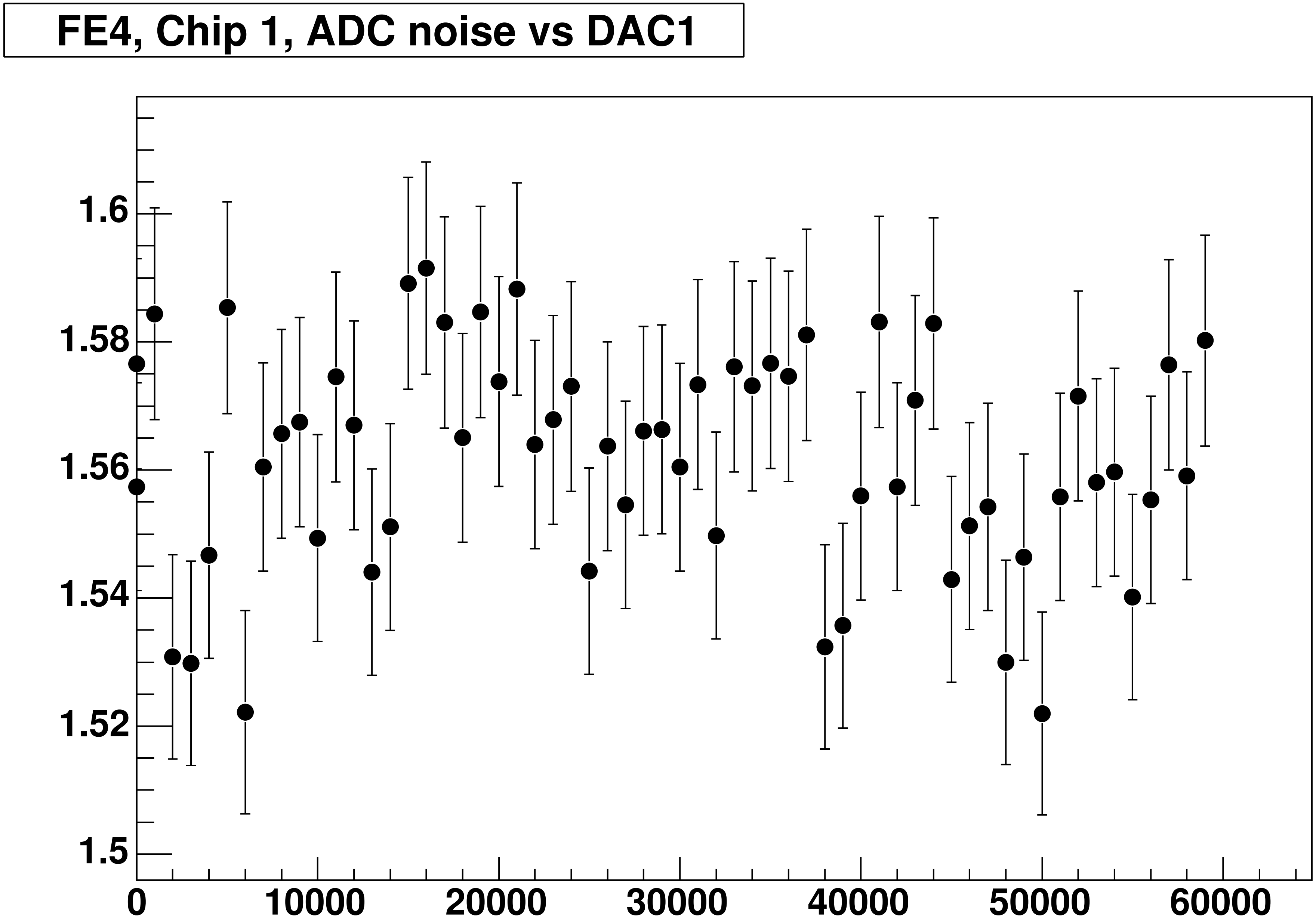
FE4, Chip 1, ADC mean vs DAC0
χ^2 / ndf 5.575e+04 / 57
p0 33.68 ± 0.006136
p1 0.4495 ± 2.139e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

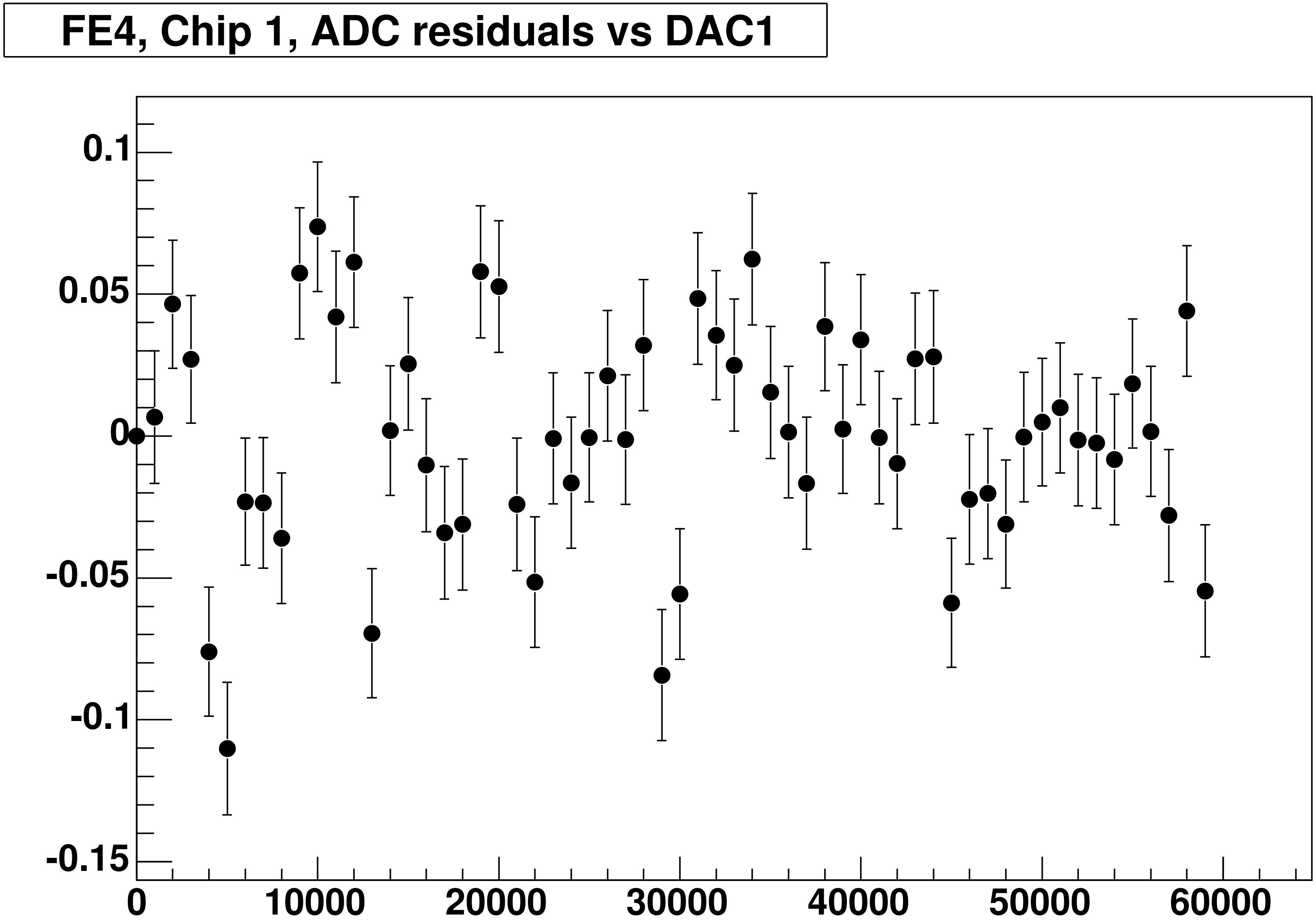

FE4, Chip 1, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

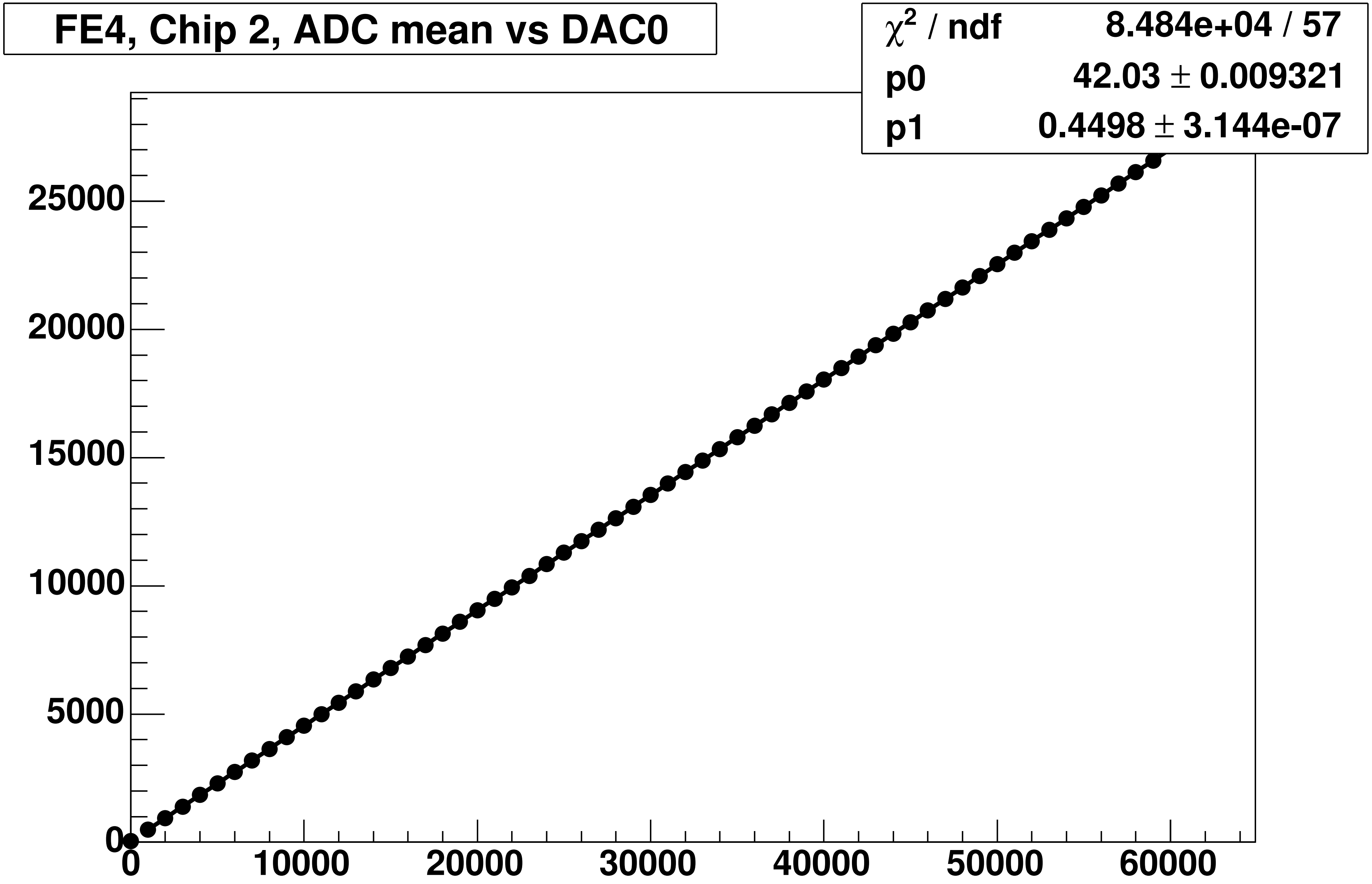

FE4, Chip 1, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000



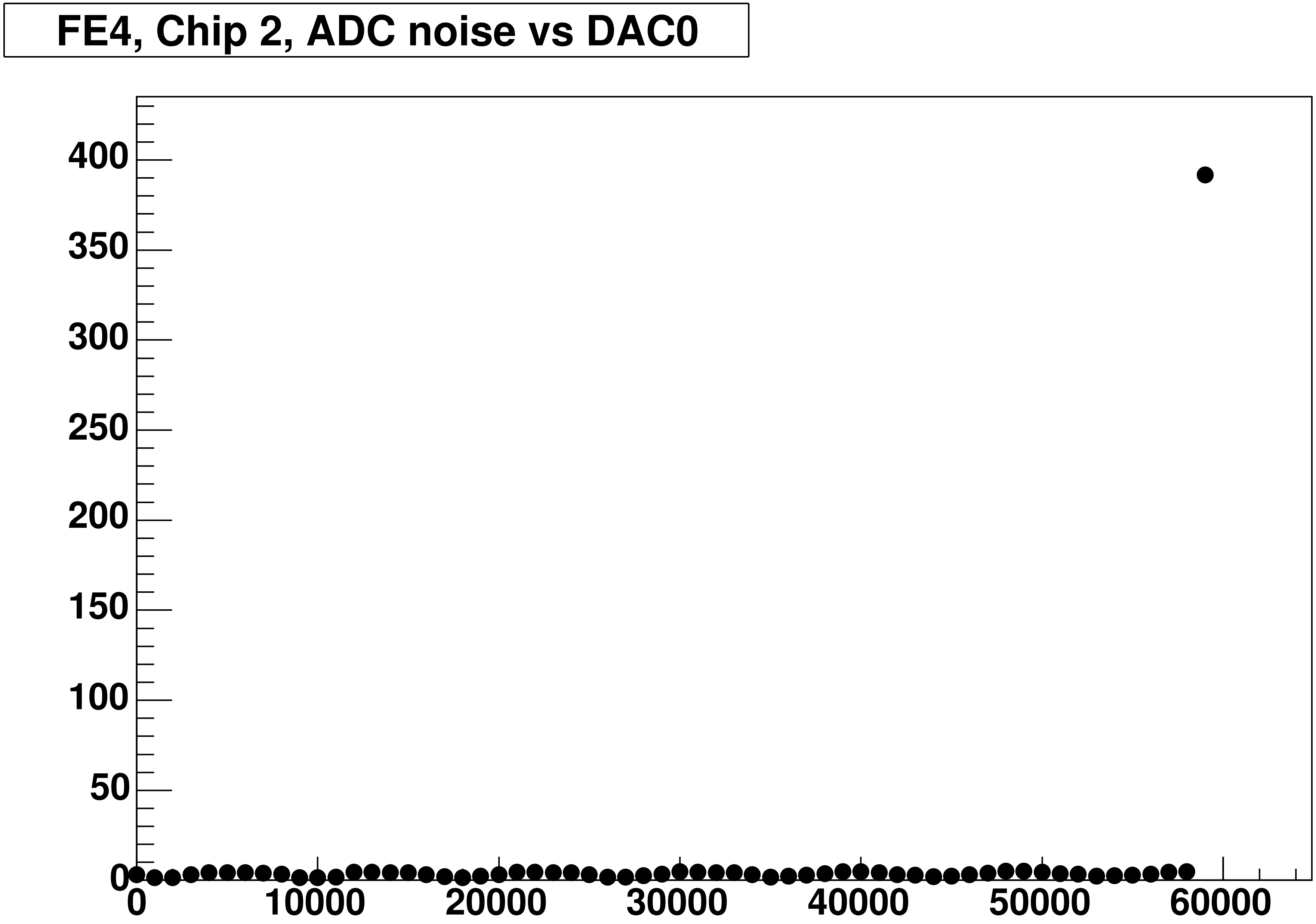
FE4, Chip 1, ADC mean vs DAC1
χ^2 / ndf 171.5 / 57
p0 31.97 ± 0.006061
p1 7.981e-07 ± 1.755e-07
32.1
32.05
32
31.95
31.9
31.85
0
10000
20000
30000
40000
50000
60000

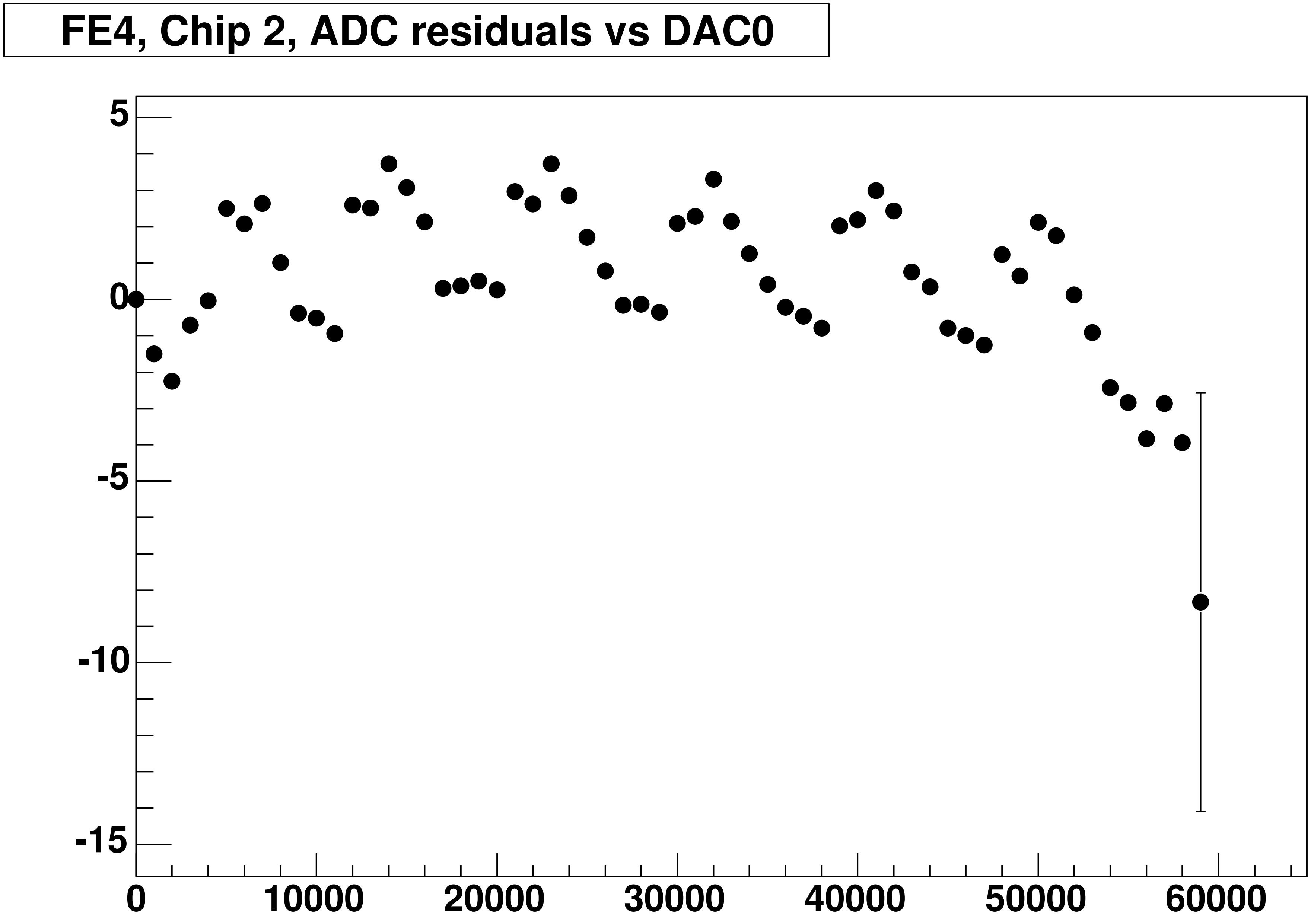

FE4, Chip 1, ADC noise vs DAC1
1.5
1.52
1.54
1.56
1.58
1.6
0
10000
20000
30000
40000
50000
60000


FE4, Chip 1, ADC residuals vs DAC1
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000

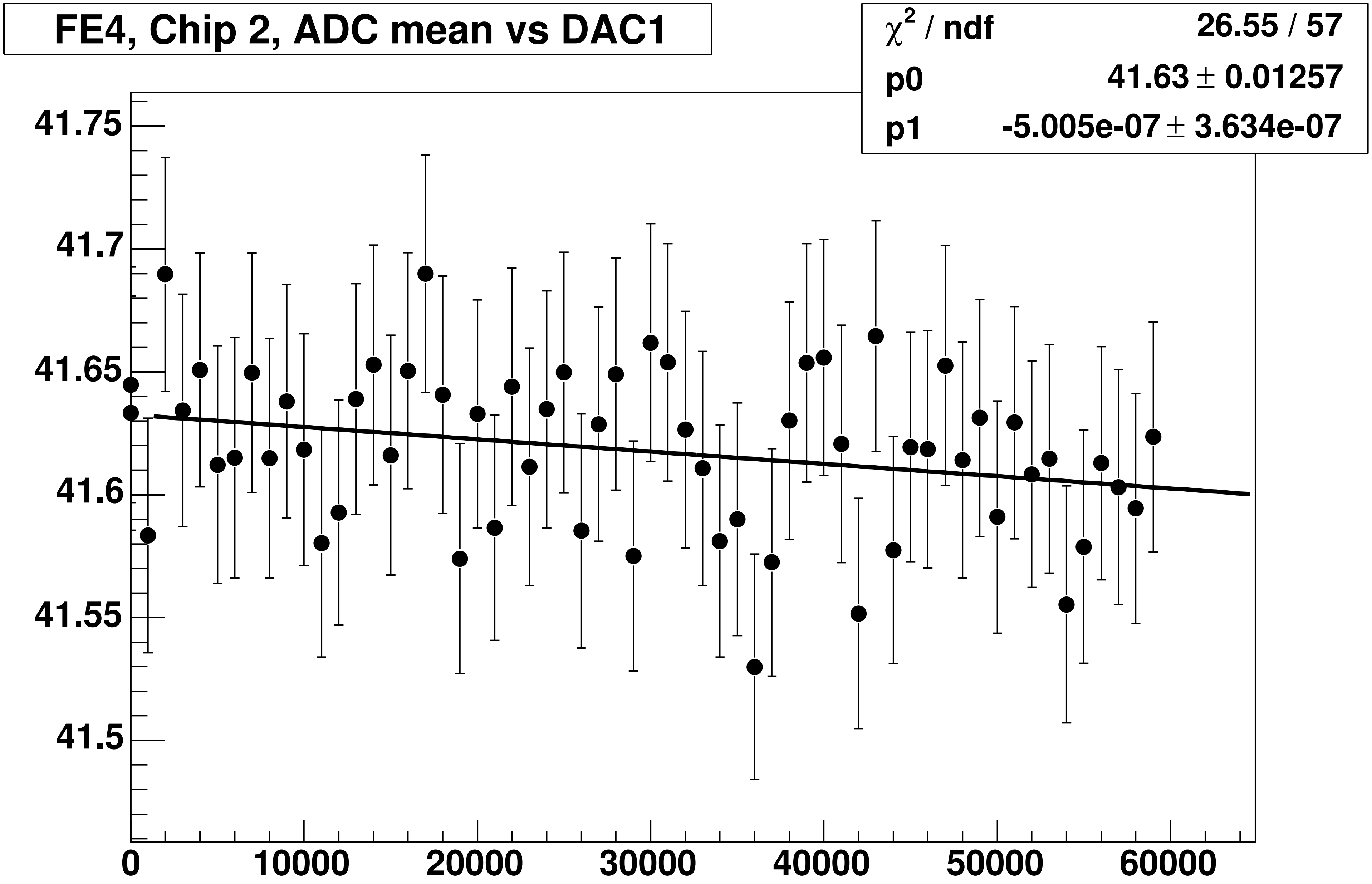


FE4, Chip 2, ADC mean vs DAC0
χ^2 / ndf 8.484e+04 / 57
p0 42.03 ± 0.009321
p1 0.4498 ± 3.144e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

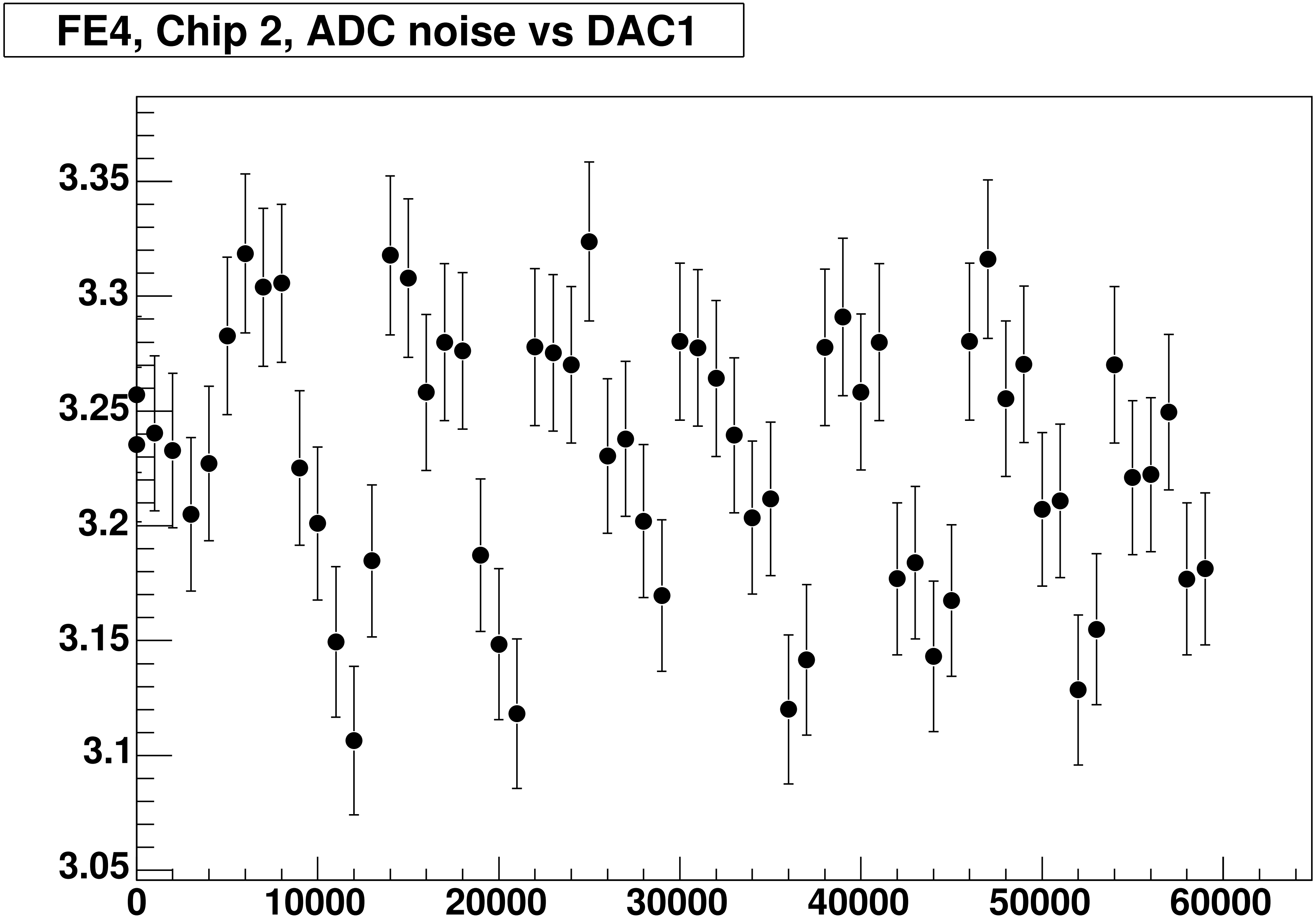

FE4, Chip 2, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

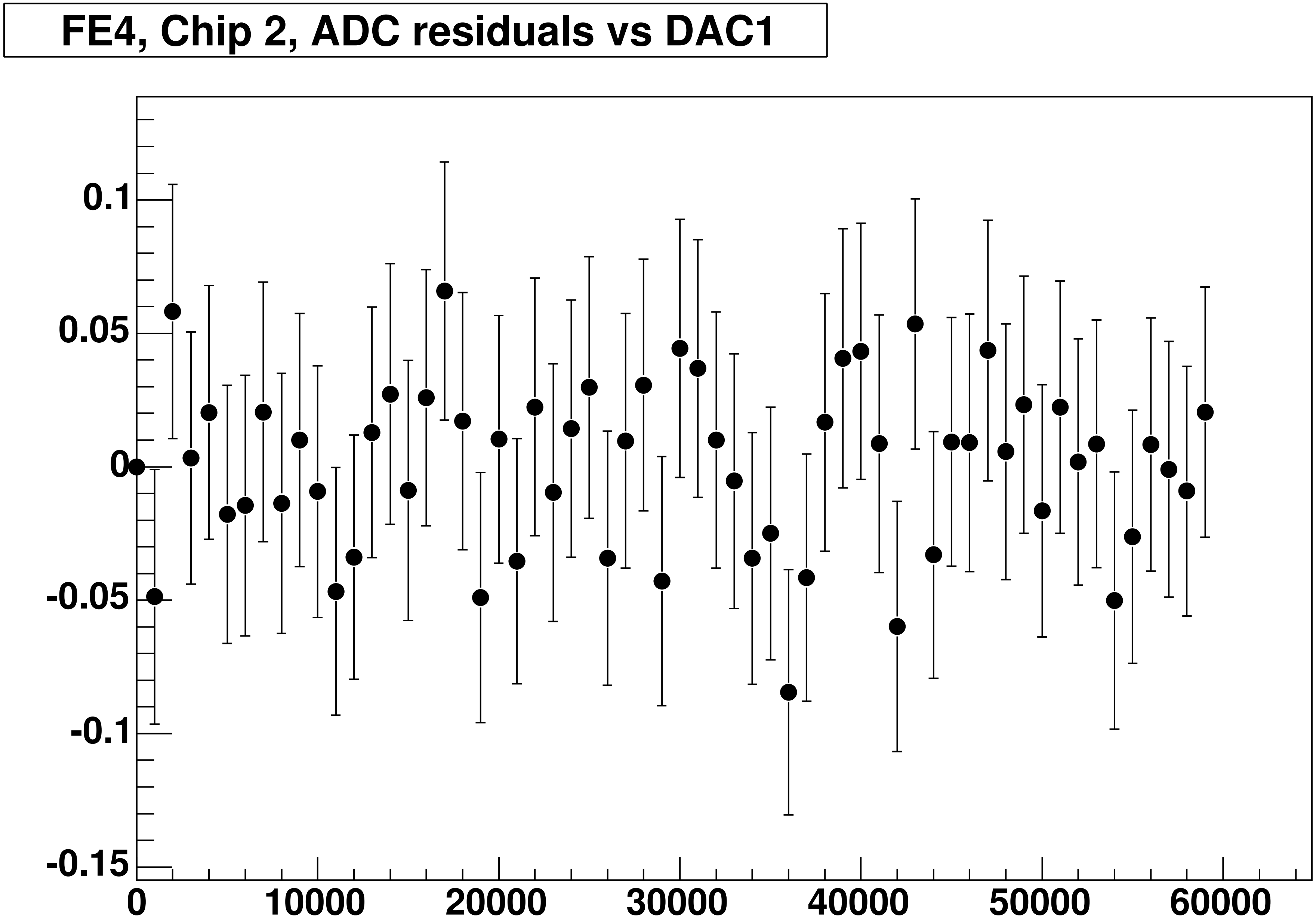


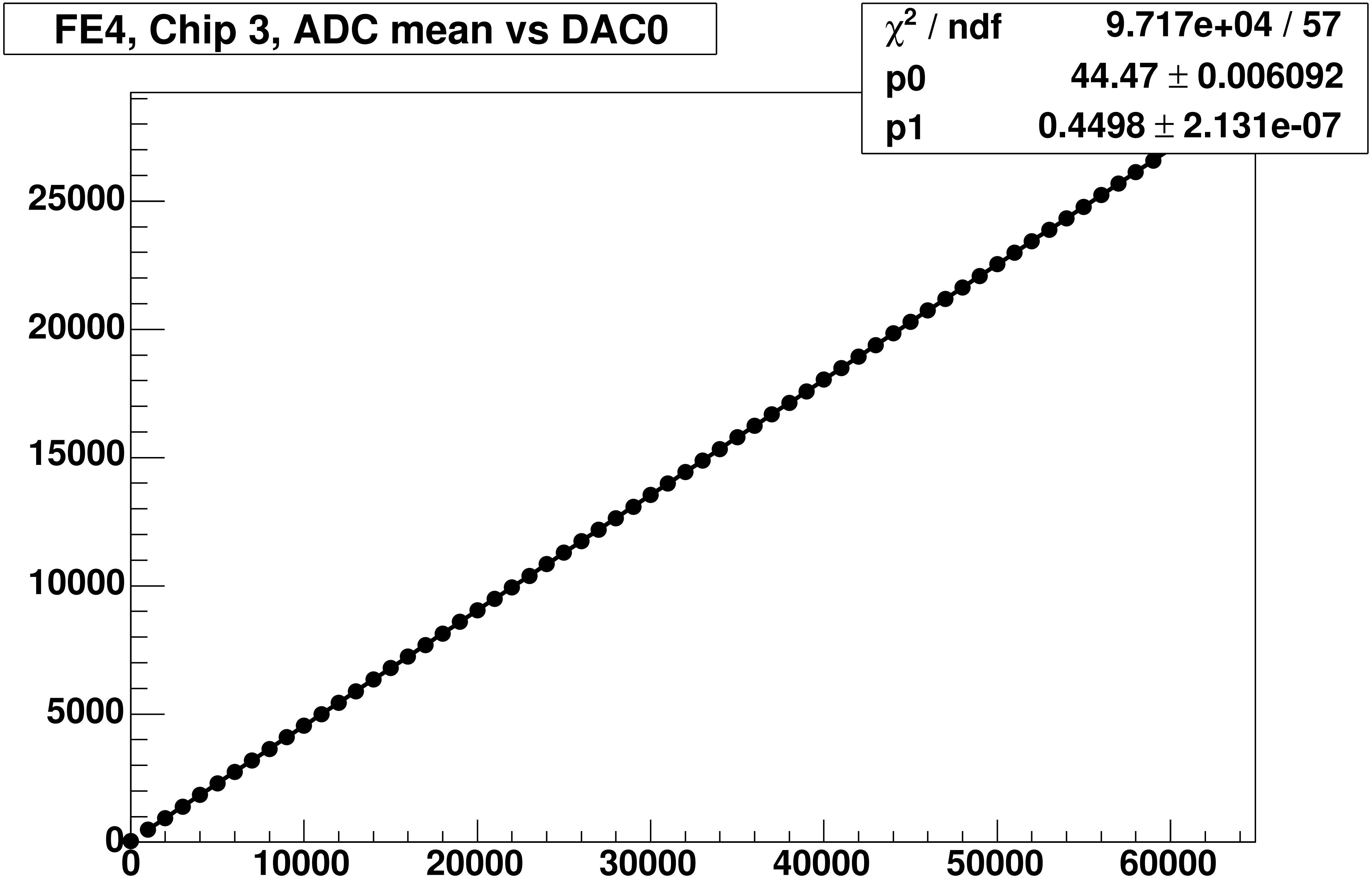
FE4, Chip 2, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000



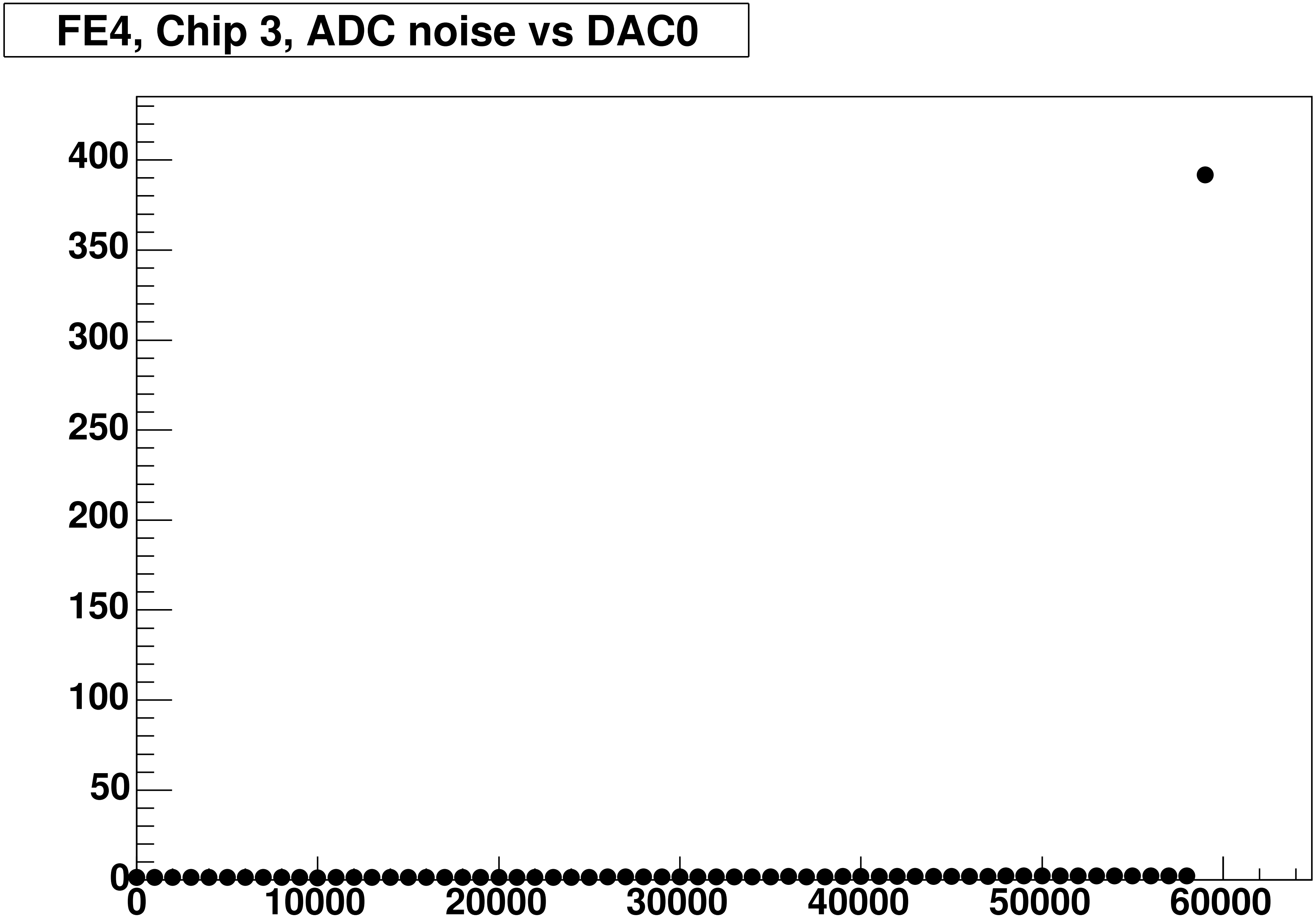
FE4, Chip 2, ADC mean vs DAC1
χ2 / ndf 26.55 / 57
p0 41.63 ± 0.01257
p1 -5.005e-07 ± 3.634e-07
41.75
41.7
41.65
41.6
41.55
41.5
0
10000
20000
30000
40000
50000
60000

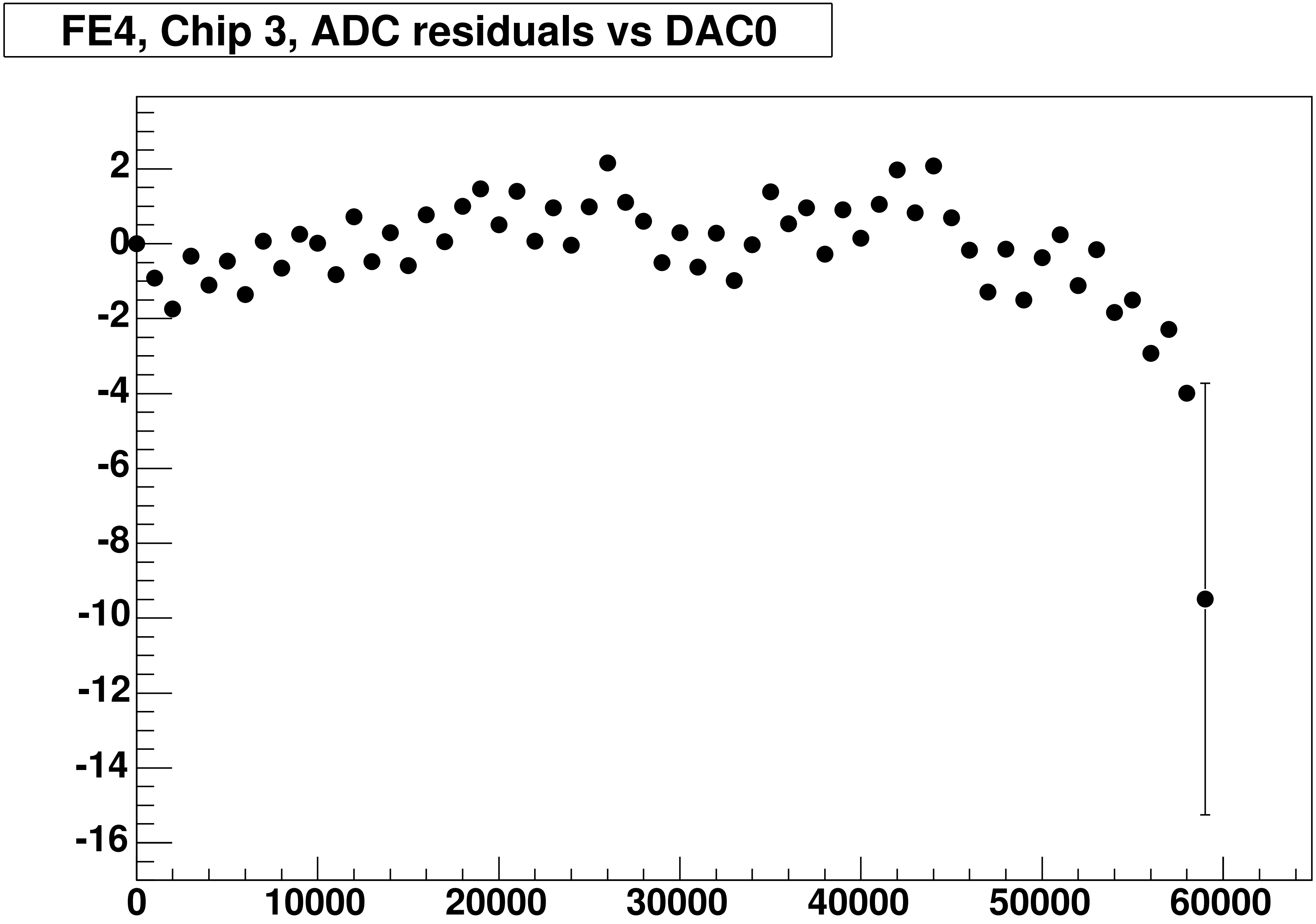

FE4, Chip 2, ADC noise vs DAC1
3.35
3.3
3.25
3.2
3.15
3.1
3.05
0
10000
20000
30000
40000
50000
60000

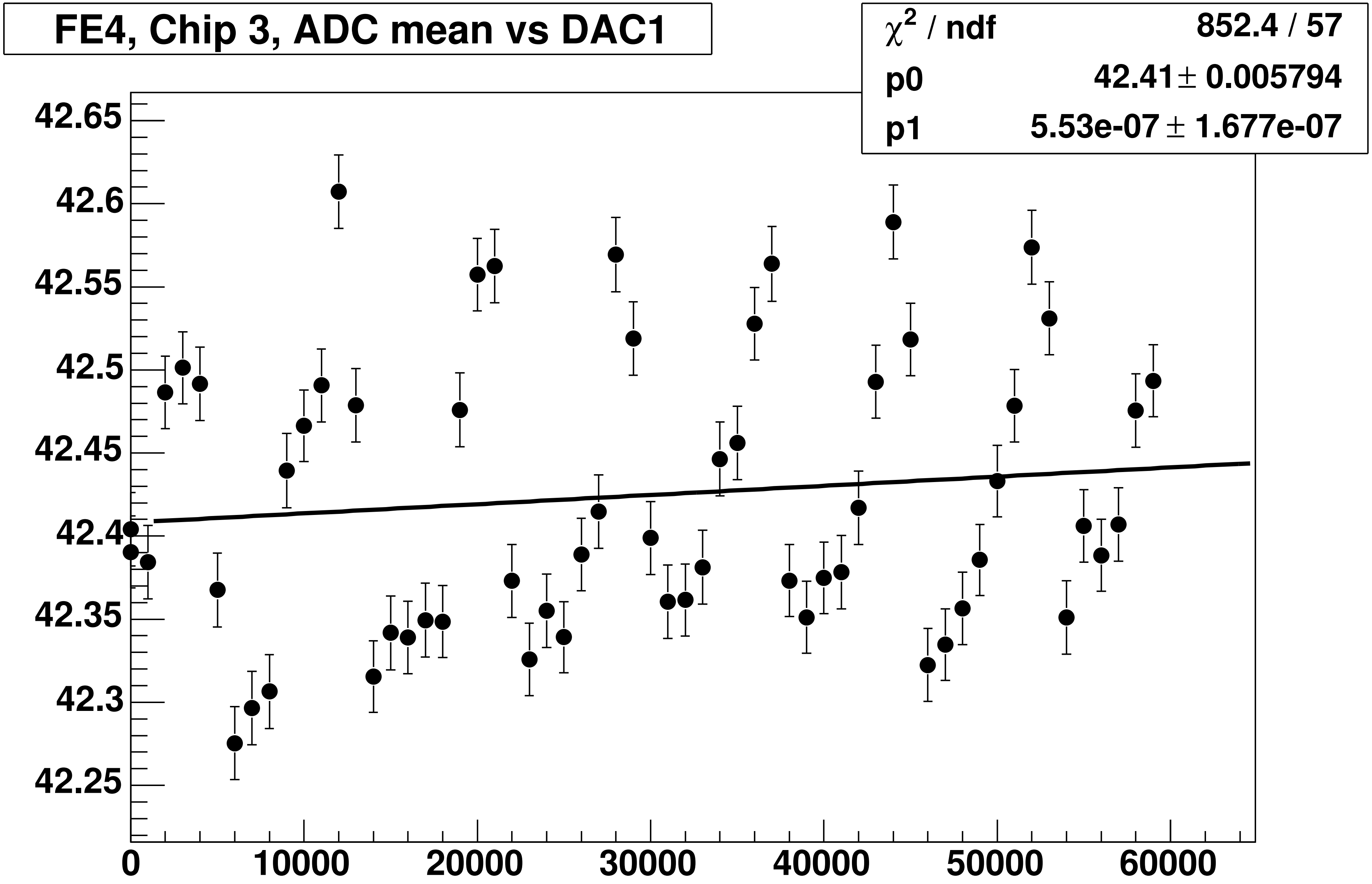

FE4, Chip 2, ADC residuals vs DAC1
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000



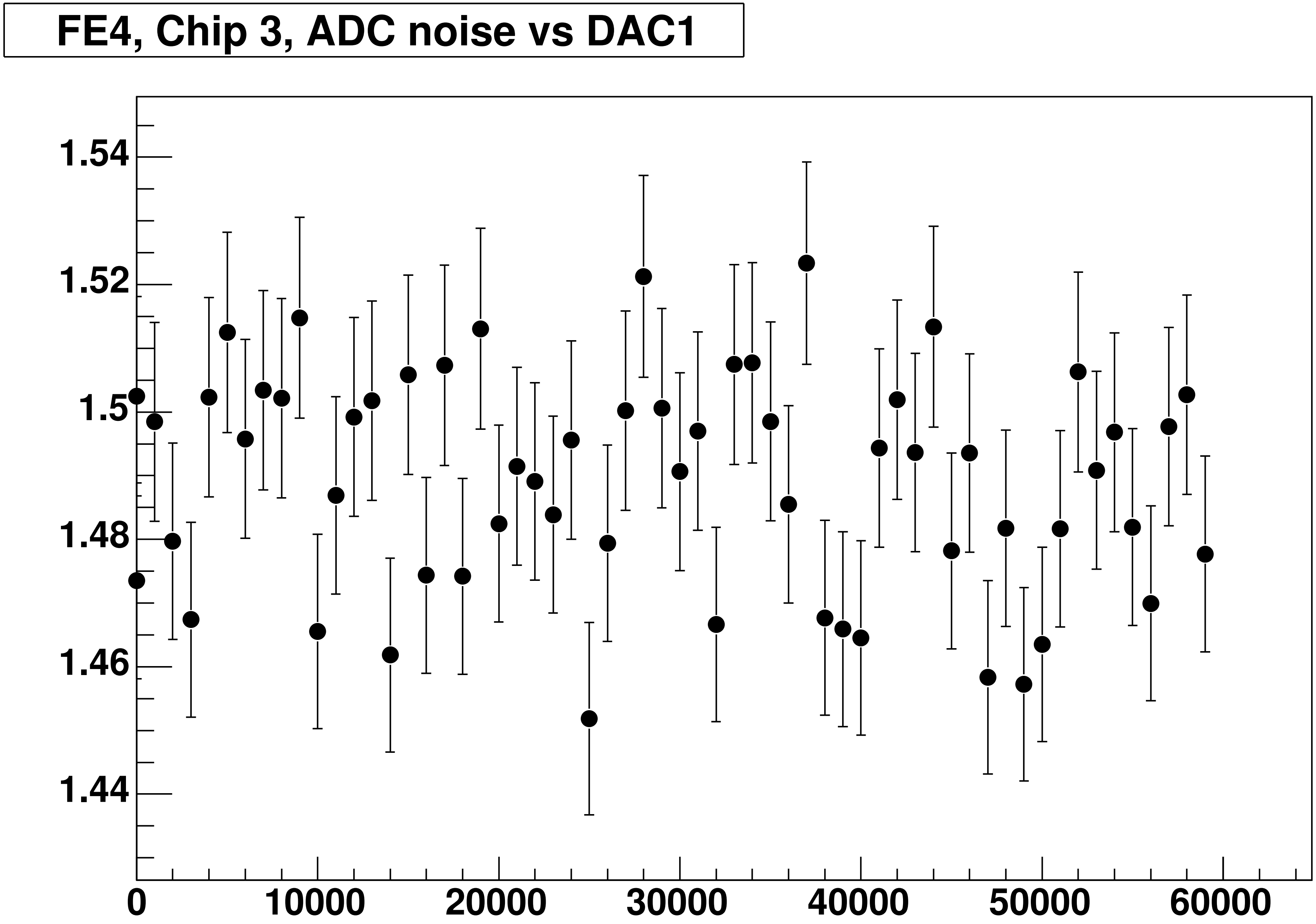
FE4, Chip 3, ADC mean vs DAC0
χ^2 / ndf 9.717e+04 / 57
p0 44.47 ± 0.006092
p1 0.4498 ± 2.131e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 3, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

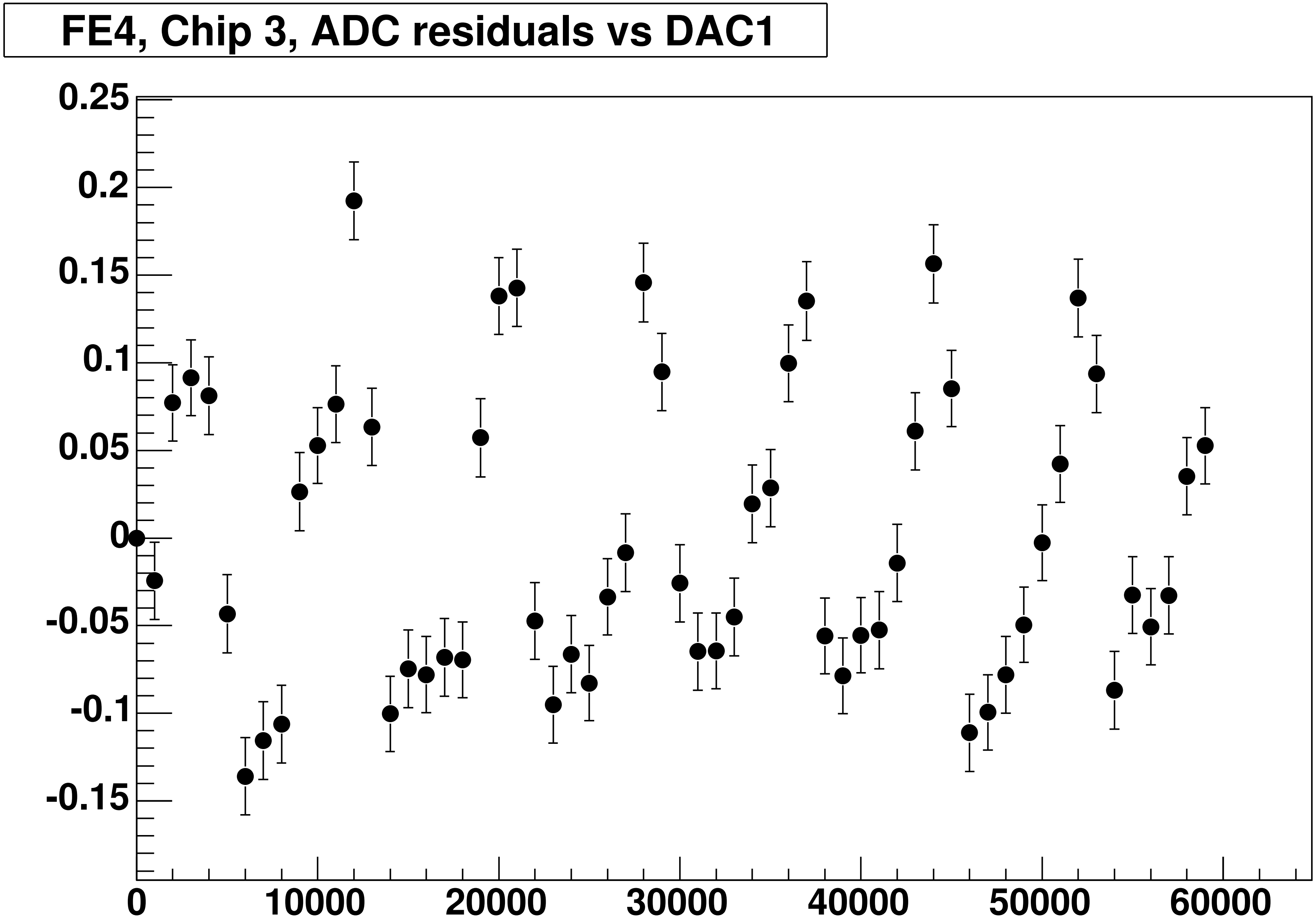

FE4, Chip 3, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000



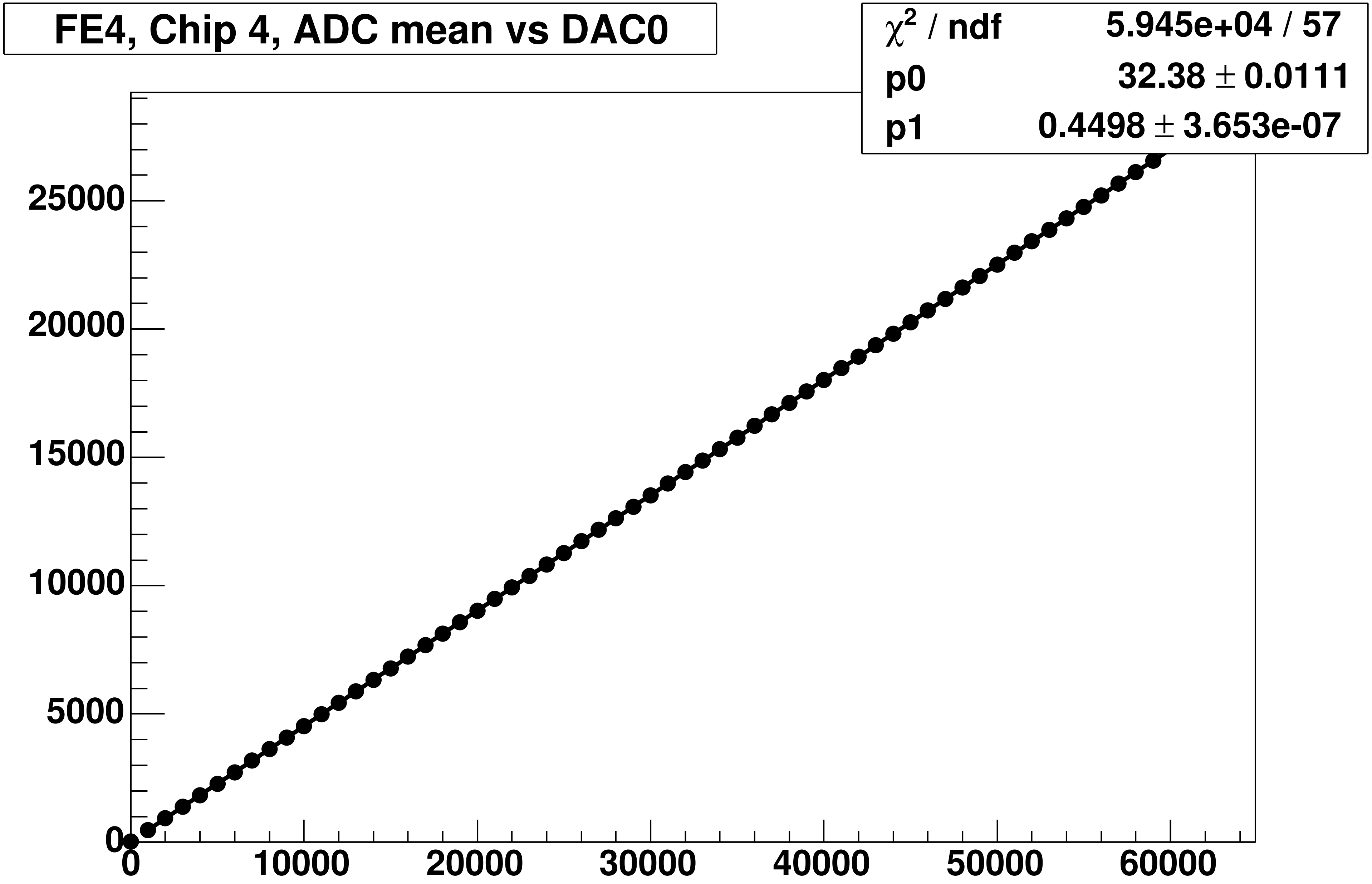
FE4, Chip 3, ADC mean vs DAC1
χ^2 / ndf 852.4 / 57
p0 42.41 ± 0.005794
p1 5.53e-07 ± 1.677e-07
42.65
42.6
42.55
42.5
42.45
42.4
42.35
42.3
42.25
0
10000
20000
30000
40000
50000
60000

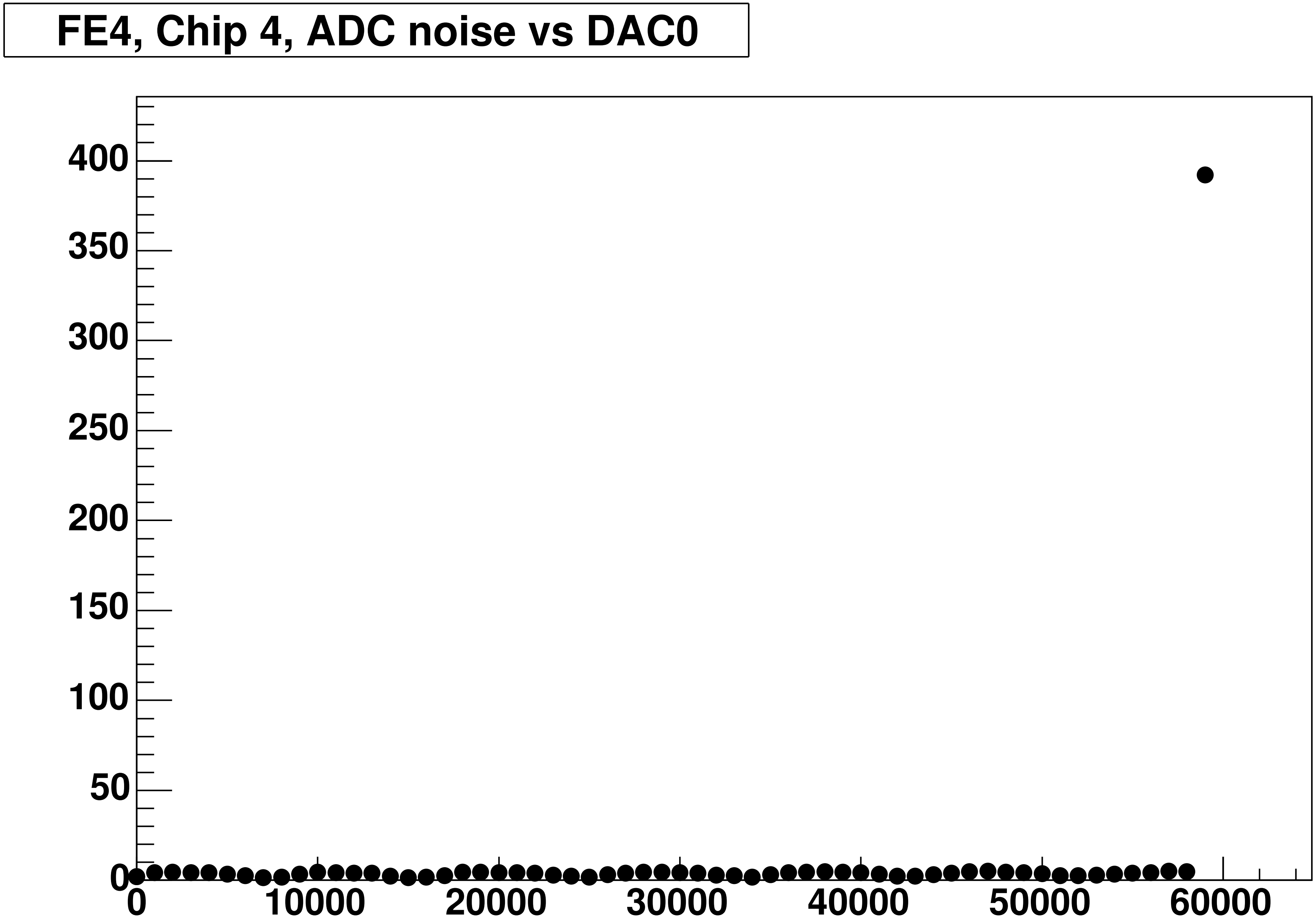


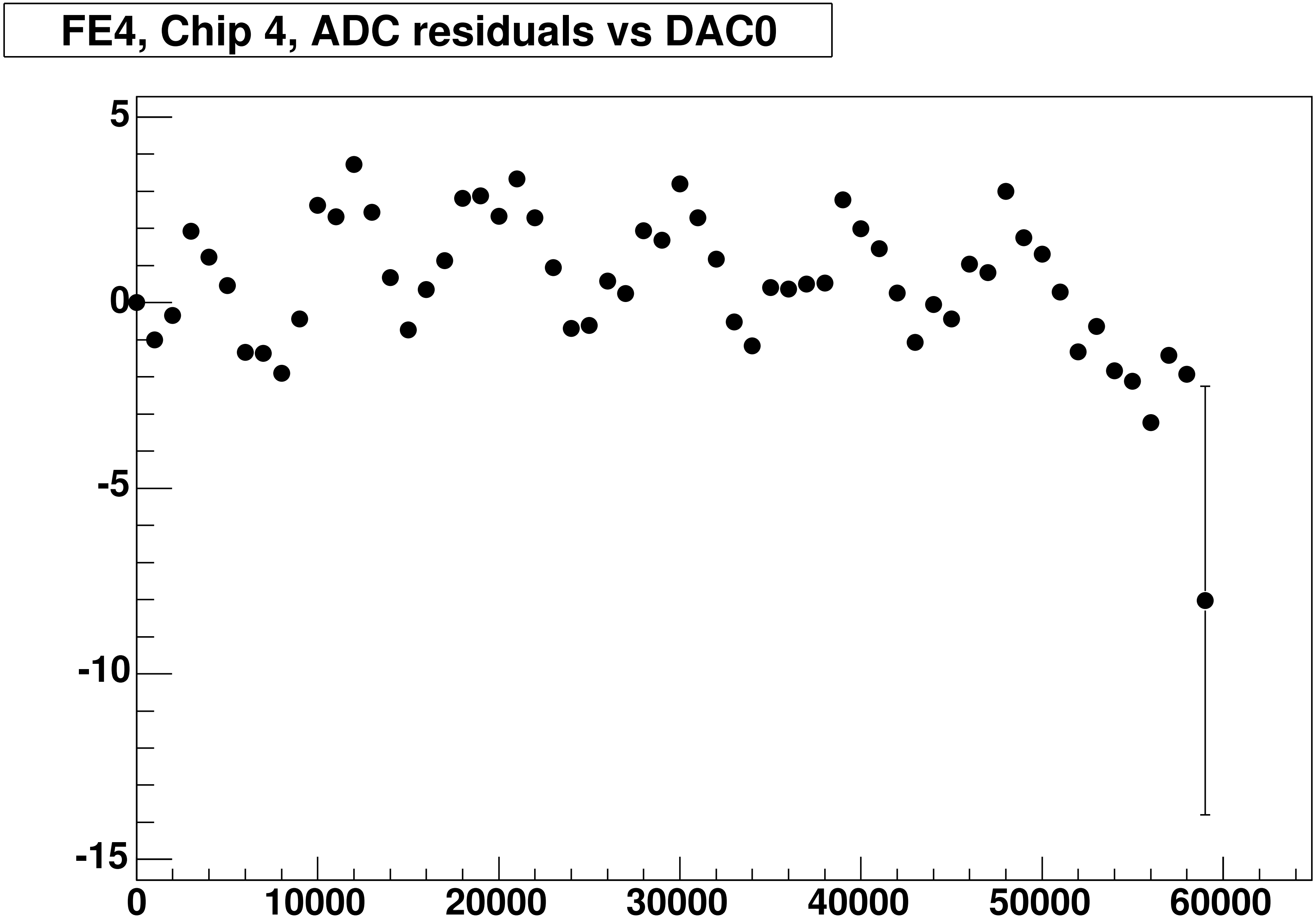
FE4, Chip 3, ADC noise vs DAC1
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

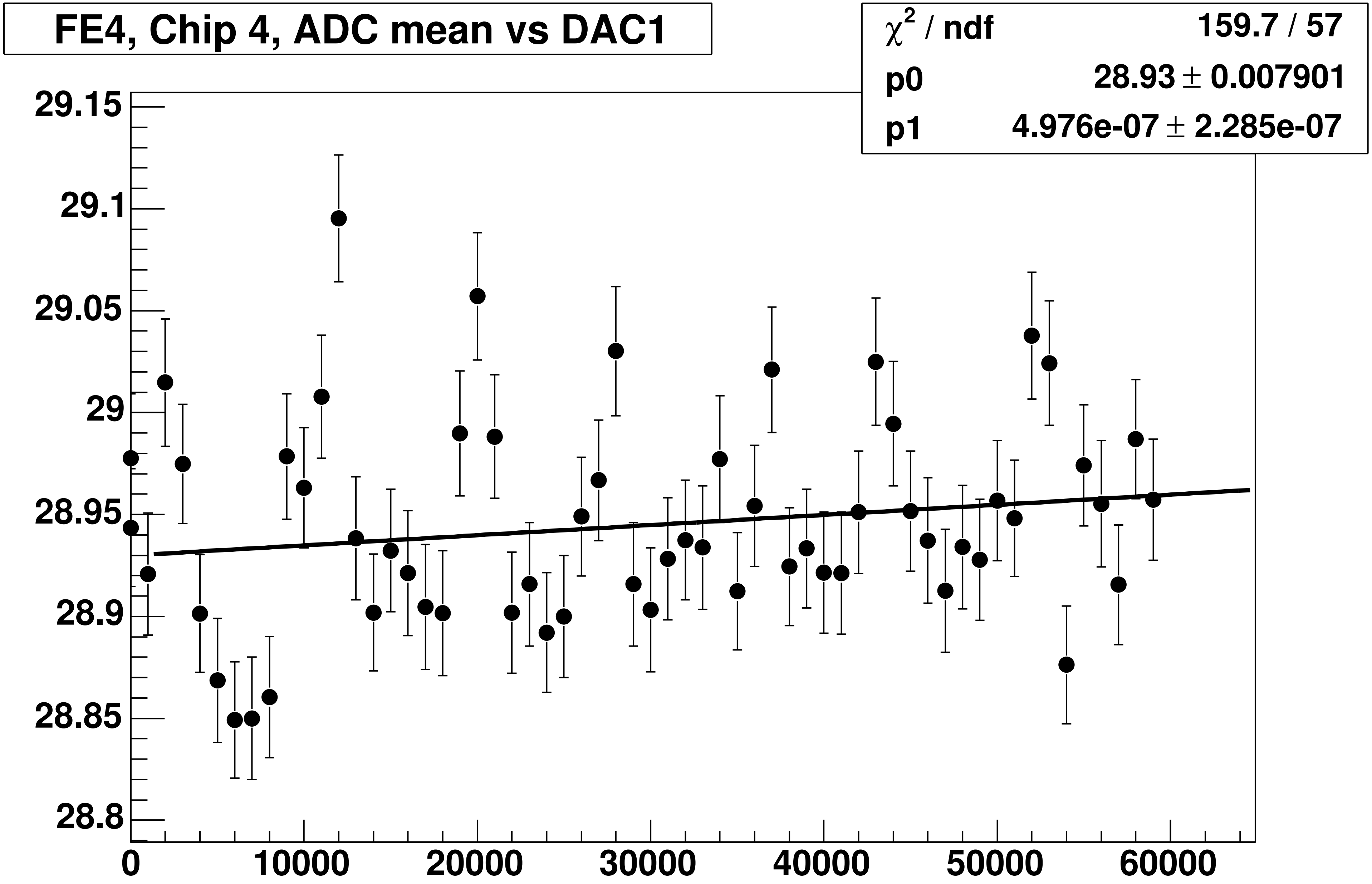


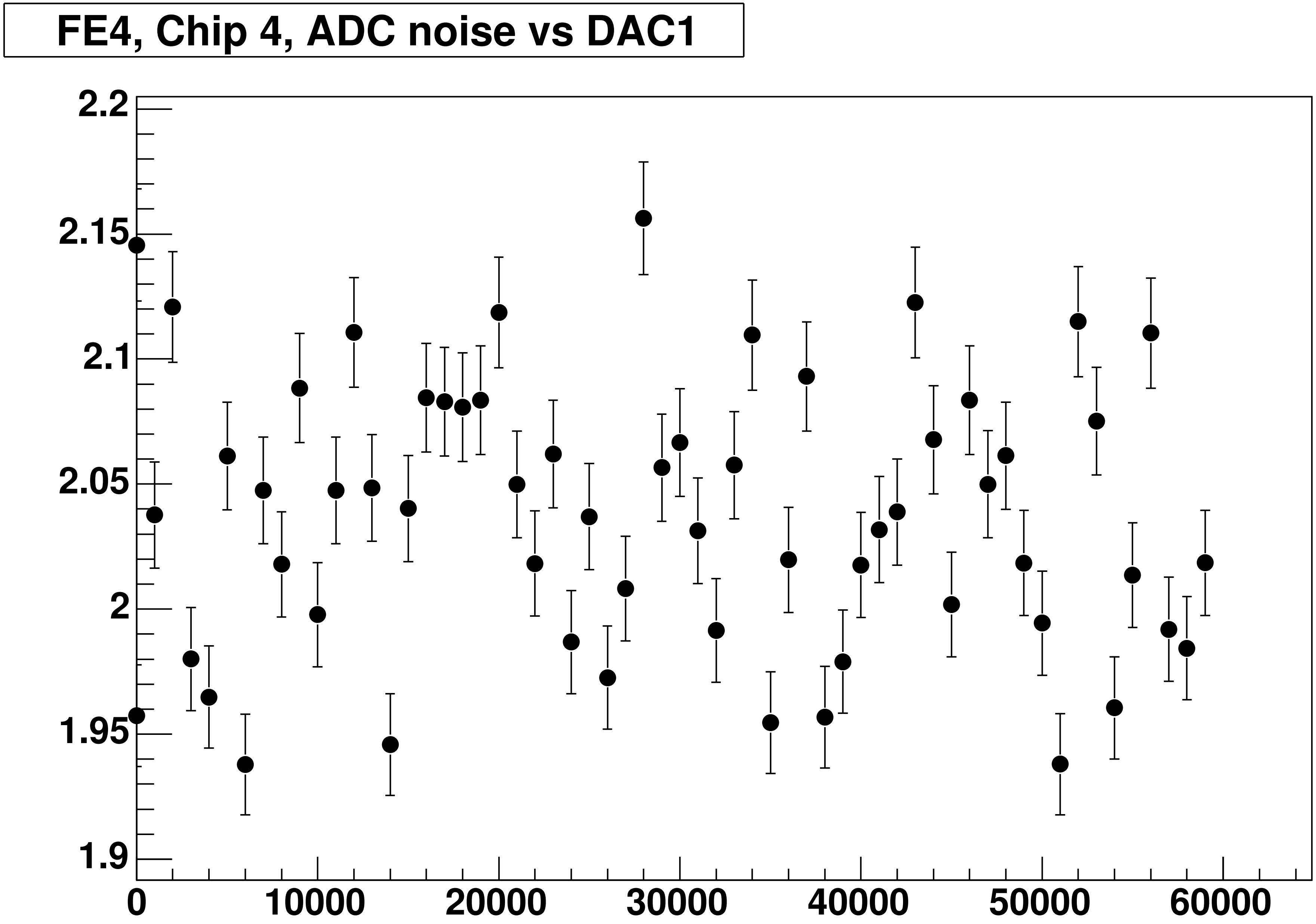
FE4, Chip 3, ADC residuals vs DAC1
0.25
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
0
10000
20000
30000
40000
50000
60000


FE4, Chip 4, ADC mean vs DAC0
χ^2 / ndf 5.945e+04 / 57
p0 32.38 ± 0.0111
p1 0.4498 ± 3.653e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

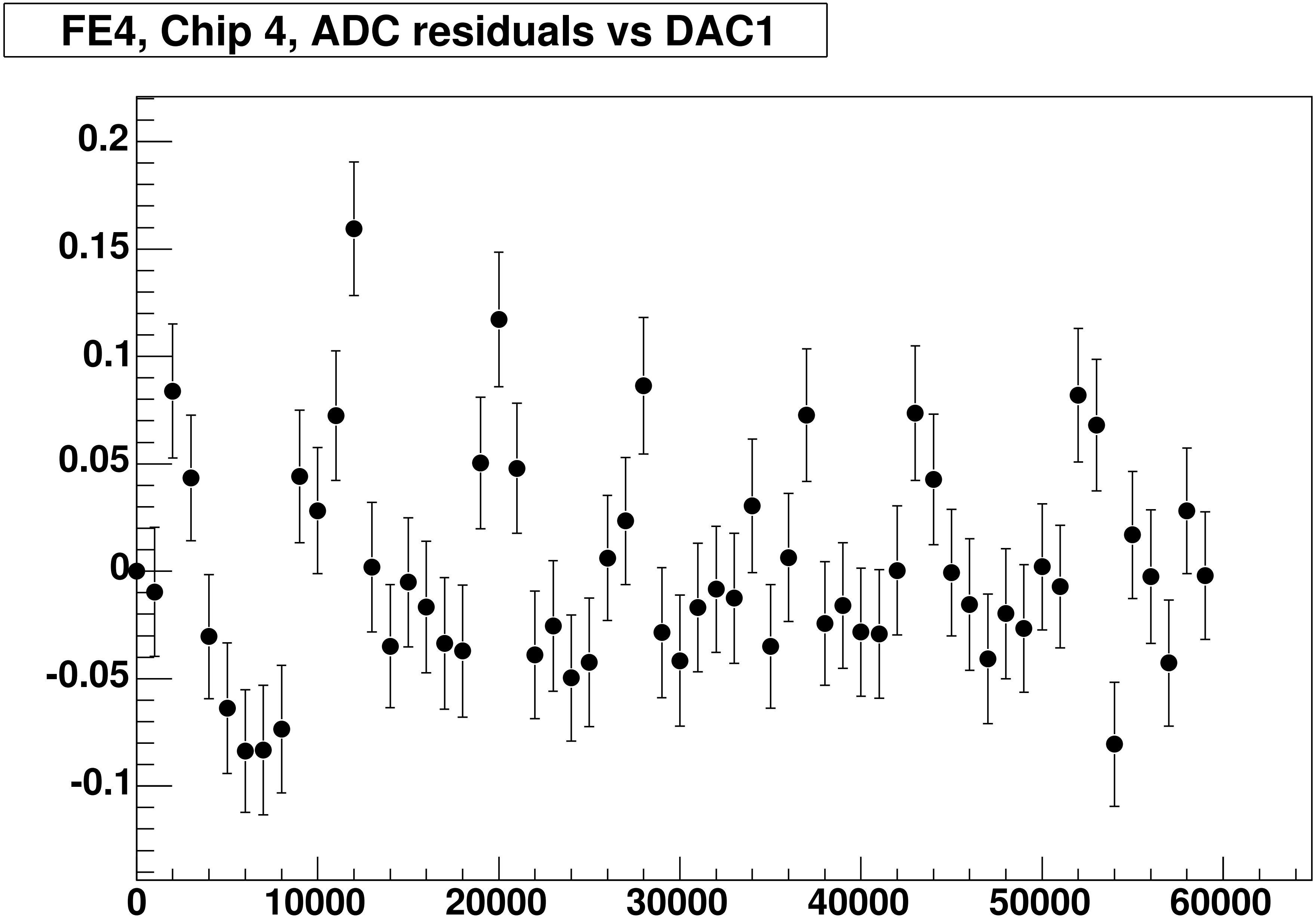

FE4, Chip 4, ADC noise vs DAC0
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 4, ADC residuals vs DAC0
5
0
-5
-10
-15
0
10000
20000
30000
40000
50000
60000

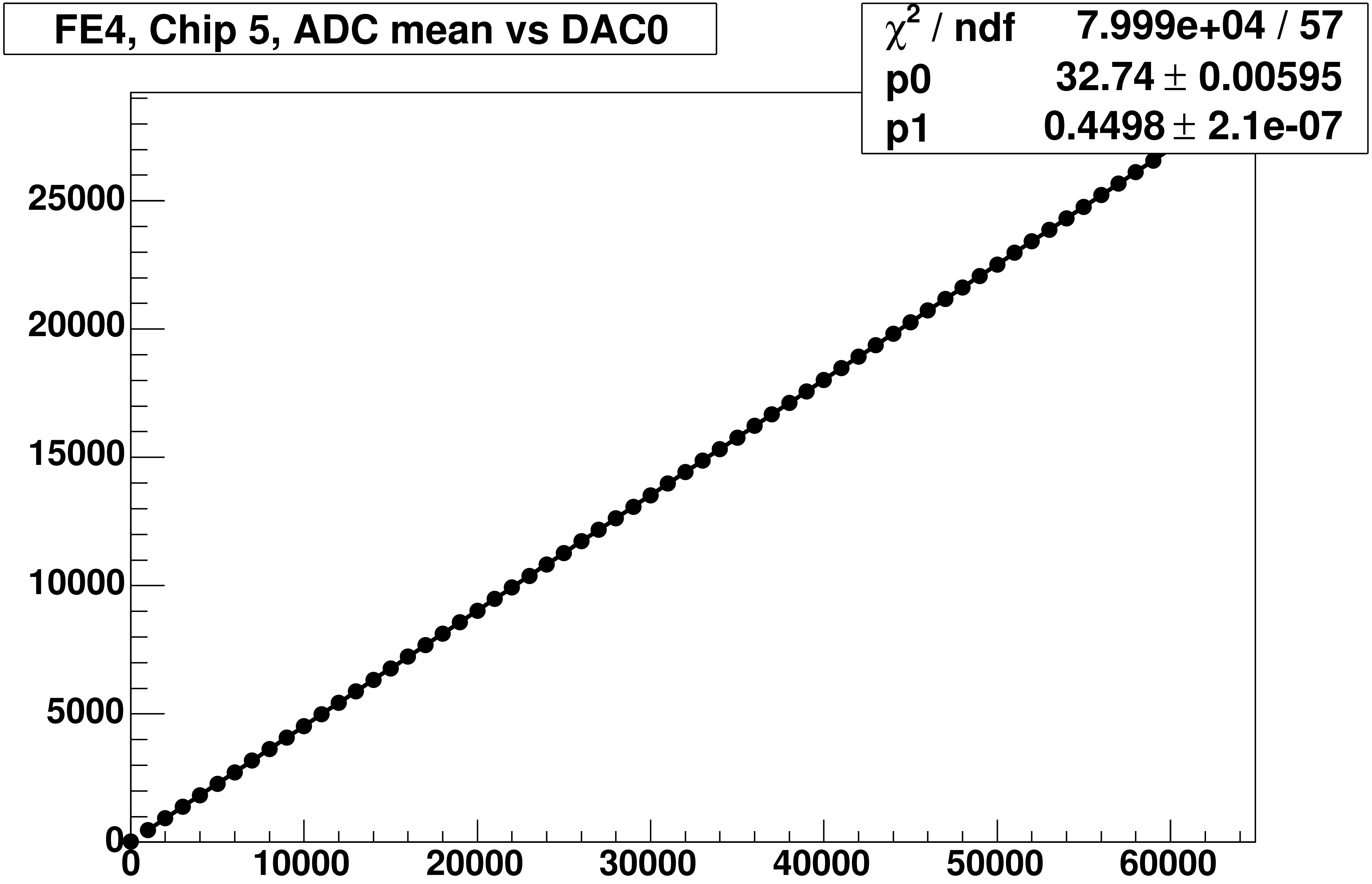

FE4, Chip 4, ADC mean vs DAC1
χ² / ndf 159.7 / 57
p0 28.93 ± 0.007901
p1 4.976e-07 ± 2.285e-07
29.15
29.1
29.05
29
28.95
28.9
28.85
28.8
0
10000
20000
30000
40000
50000
60000



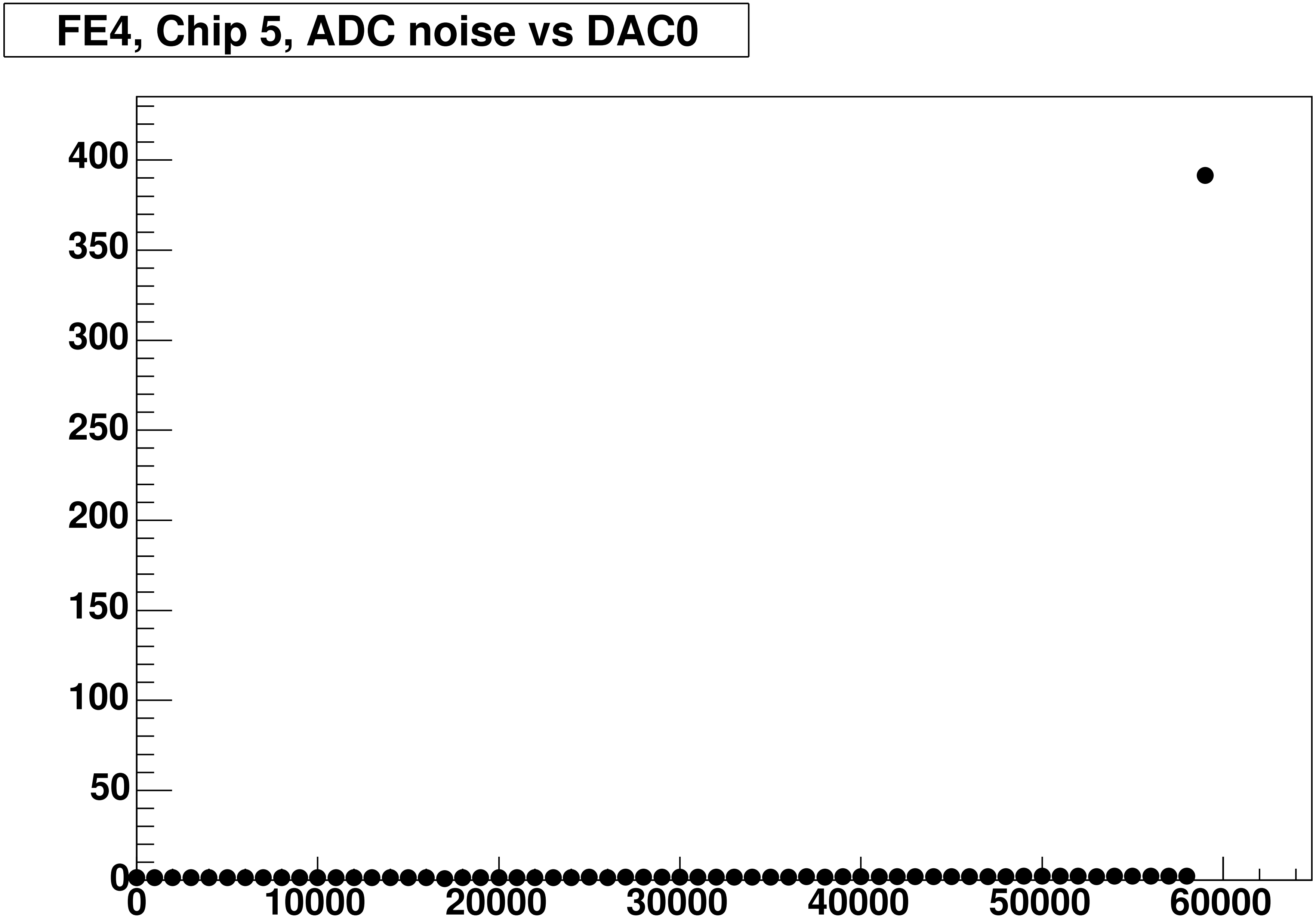
FE4, Chip 4, ADC noise vs DAC1
2.2
2.15
2.1
2.05
2
1.95
1.9
0
10000
20000
30000
40000
50000
60000

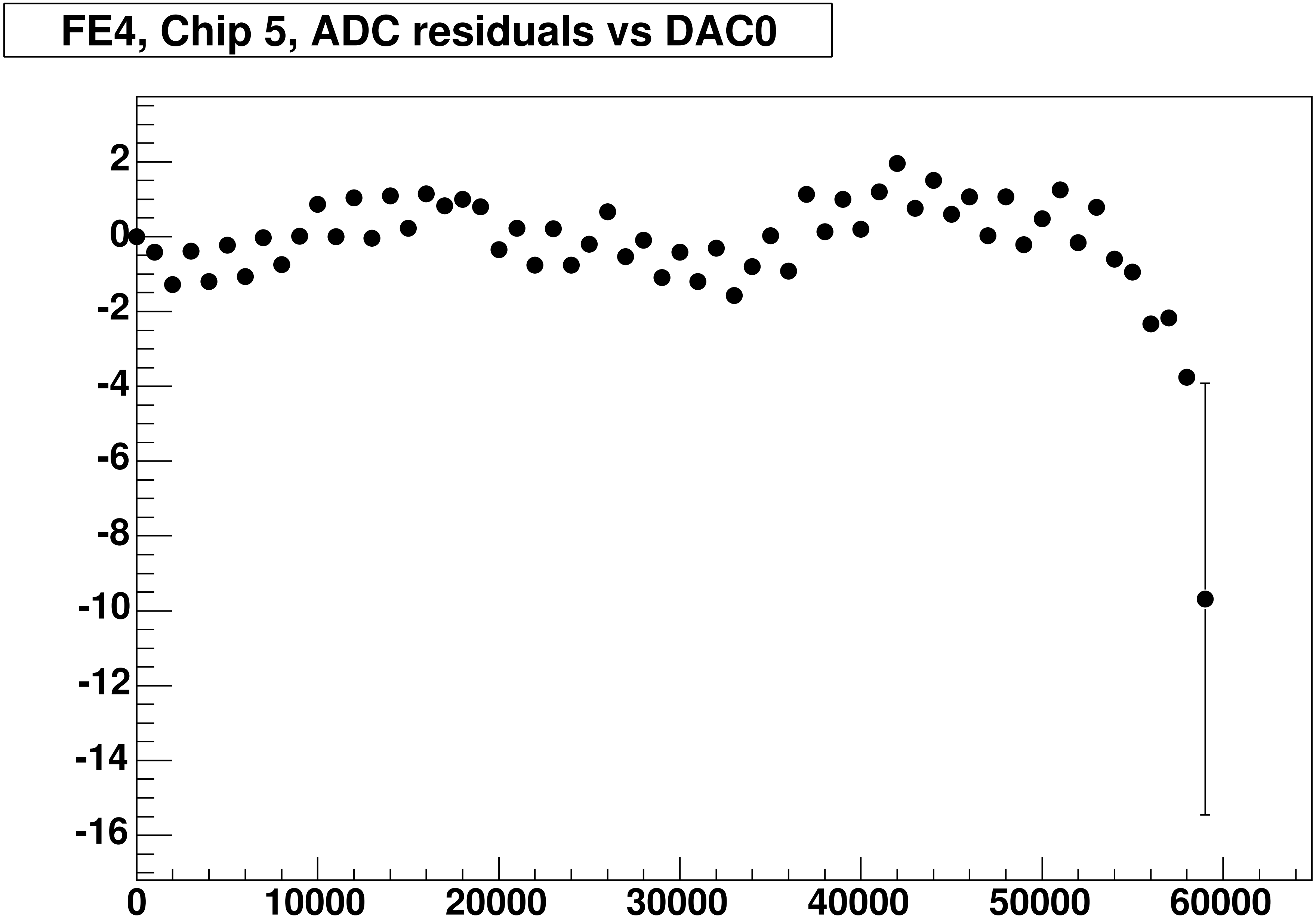


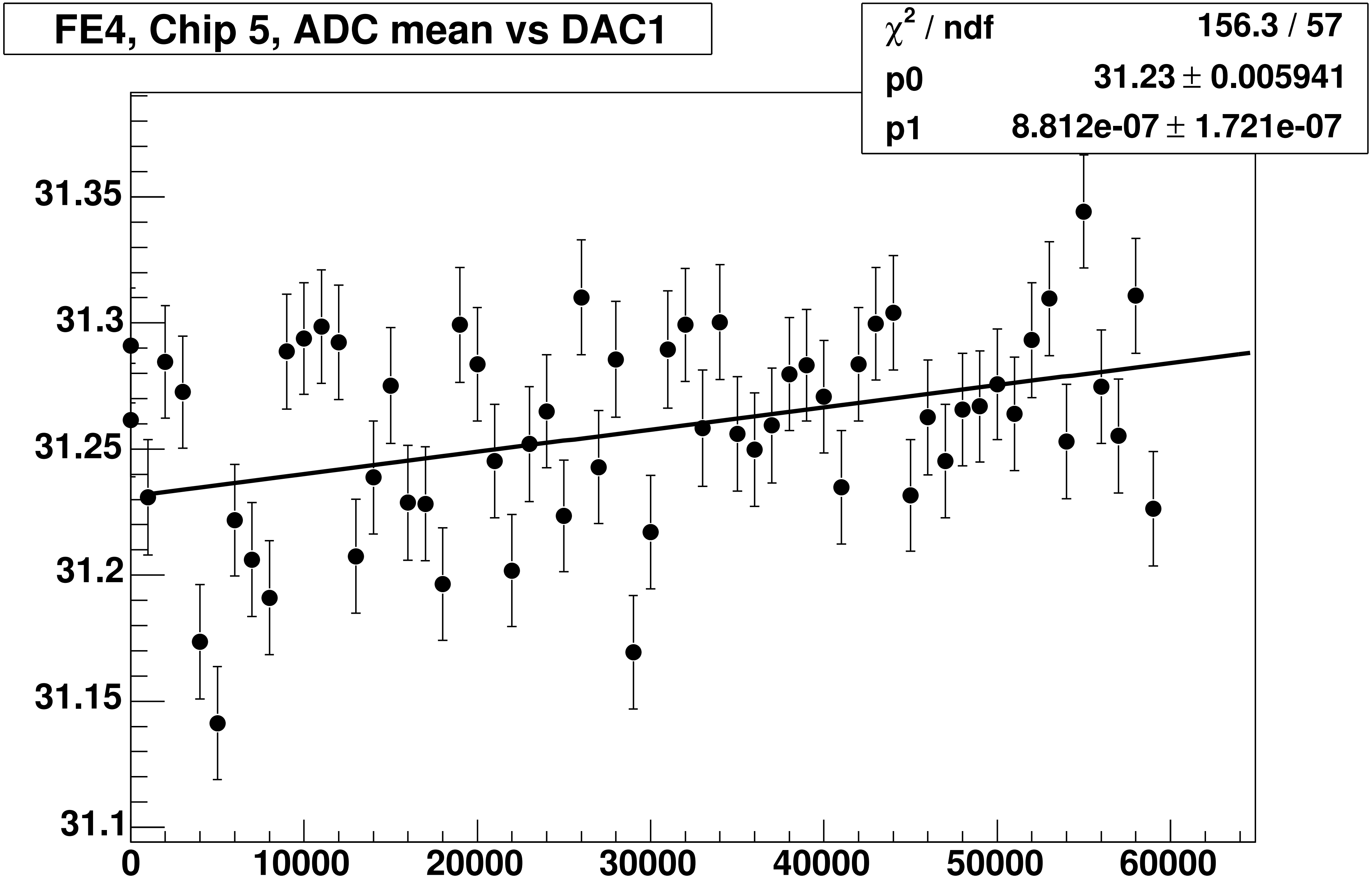
FE4, Chip 4, ADC residuals vs DAC1
0.2
0.15
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000



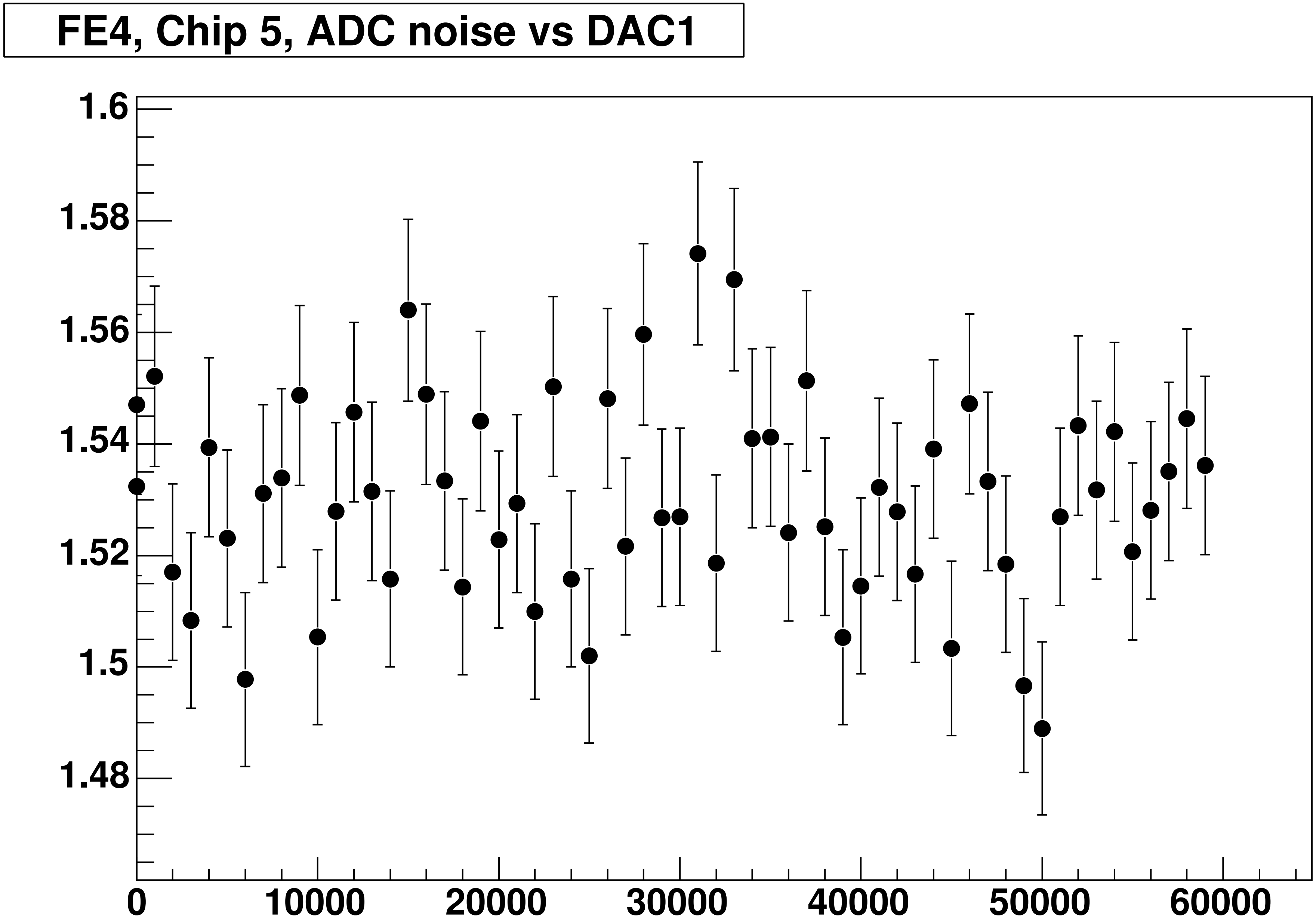
FE4, Chip 5, ADC mean vs DAC0
χ^2 / ndf 7.999e+04 / 57
p0 32.74 ± 0.00595
p1 0.4498 ± 2.1e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

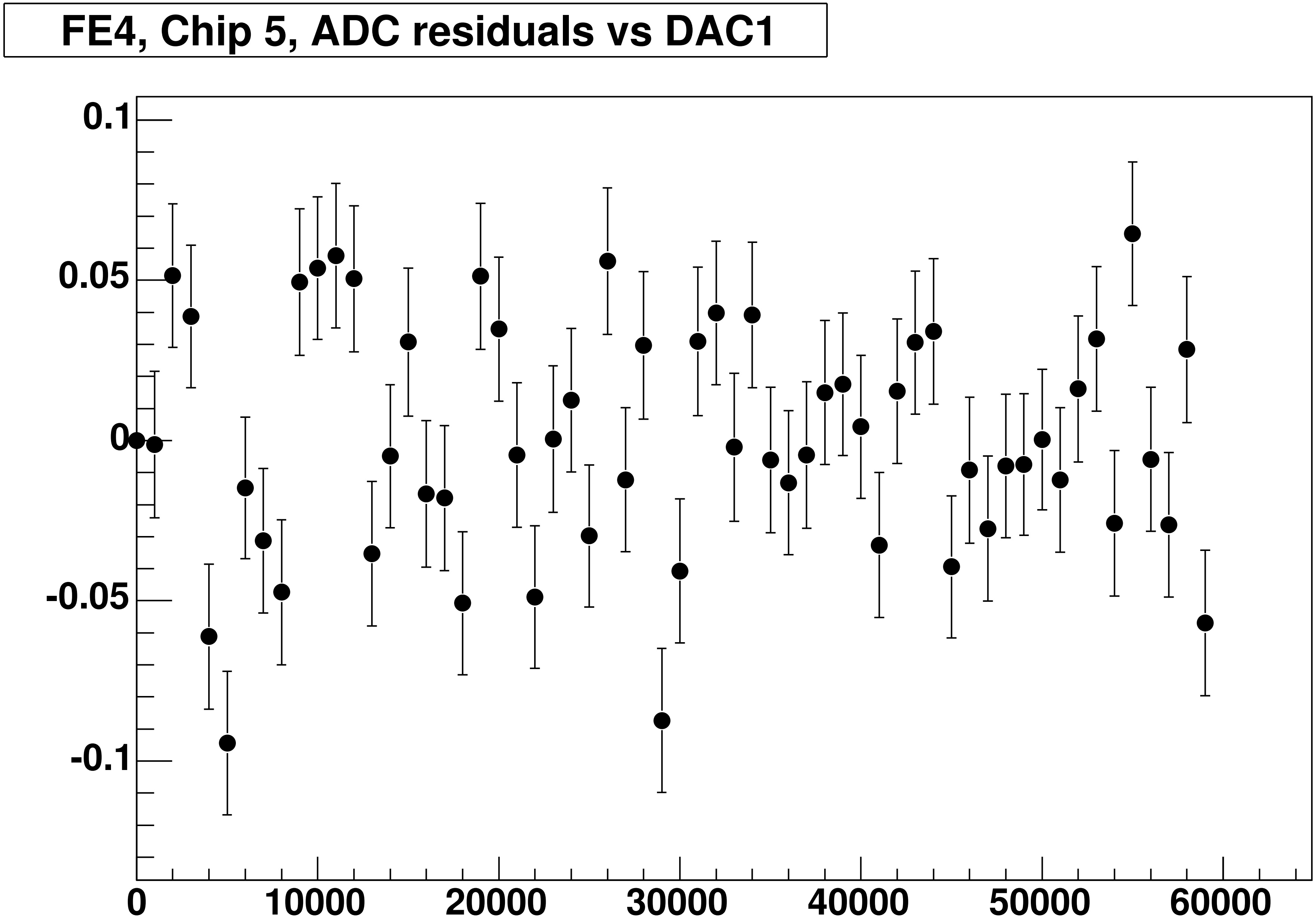

FE4, Chip 5, ADC noise vs DAC0
0
50
100
150
200
250
300
350
400
0
10000
20000
30000
40000
50000
60000

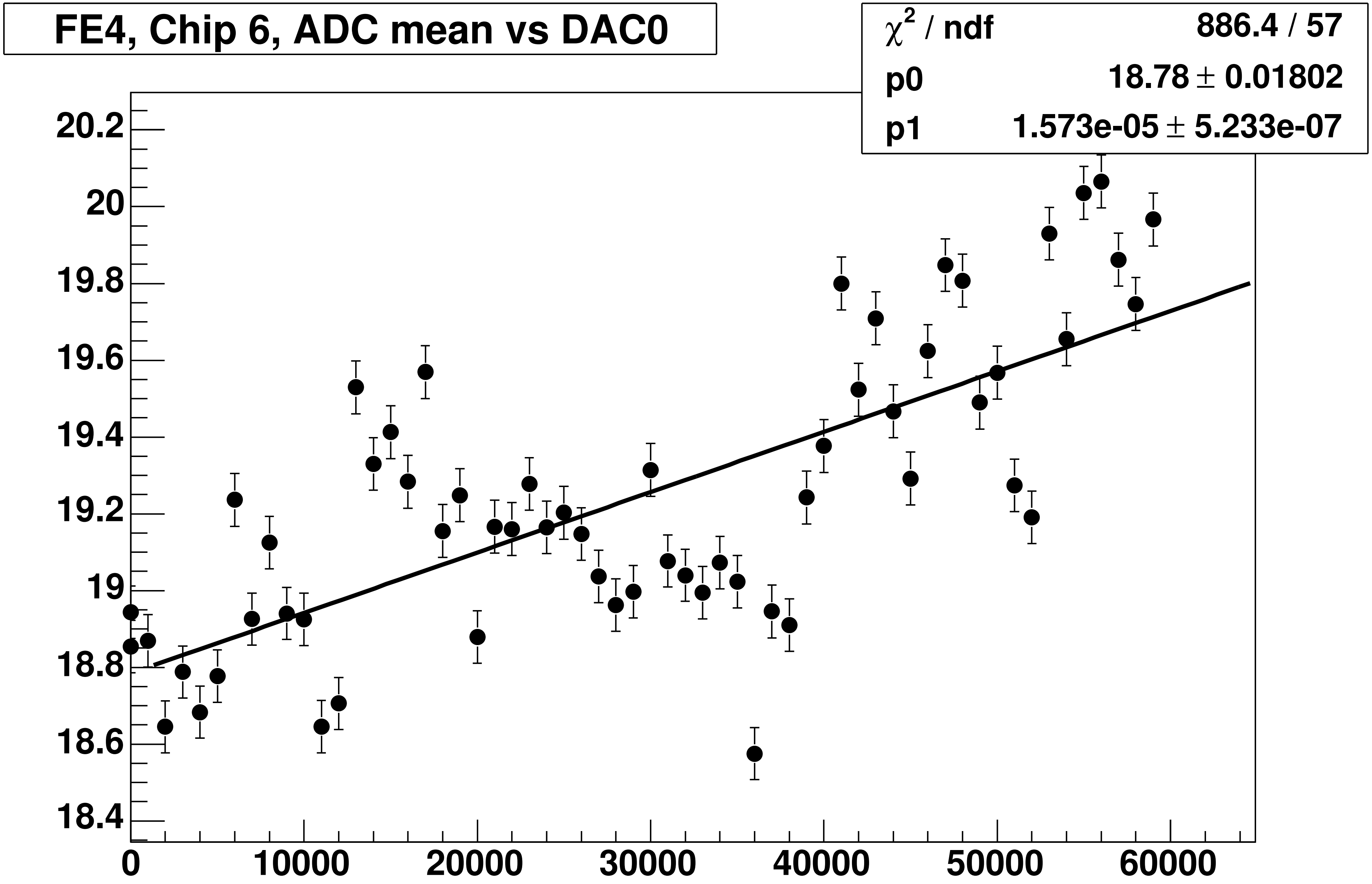

FE4, Chip 5, ADC residuals vs DAC0
2
0
-2
-4
-6
-8
-10
-12
-14
-16
0
10000
20000
30000
40000
50000
60000

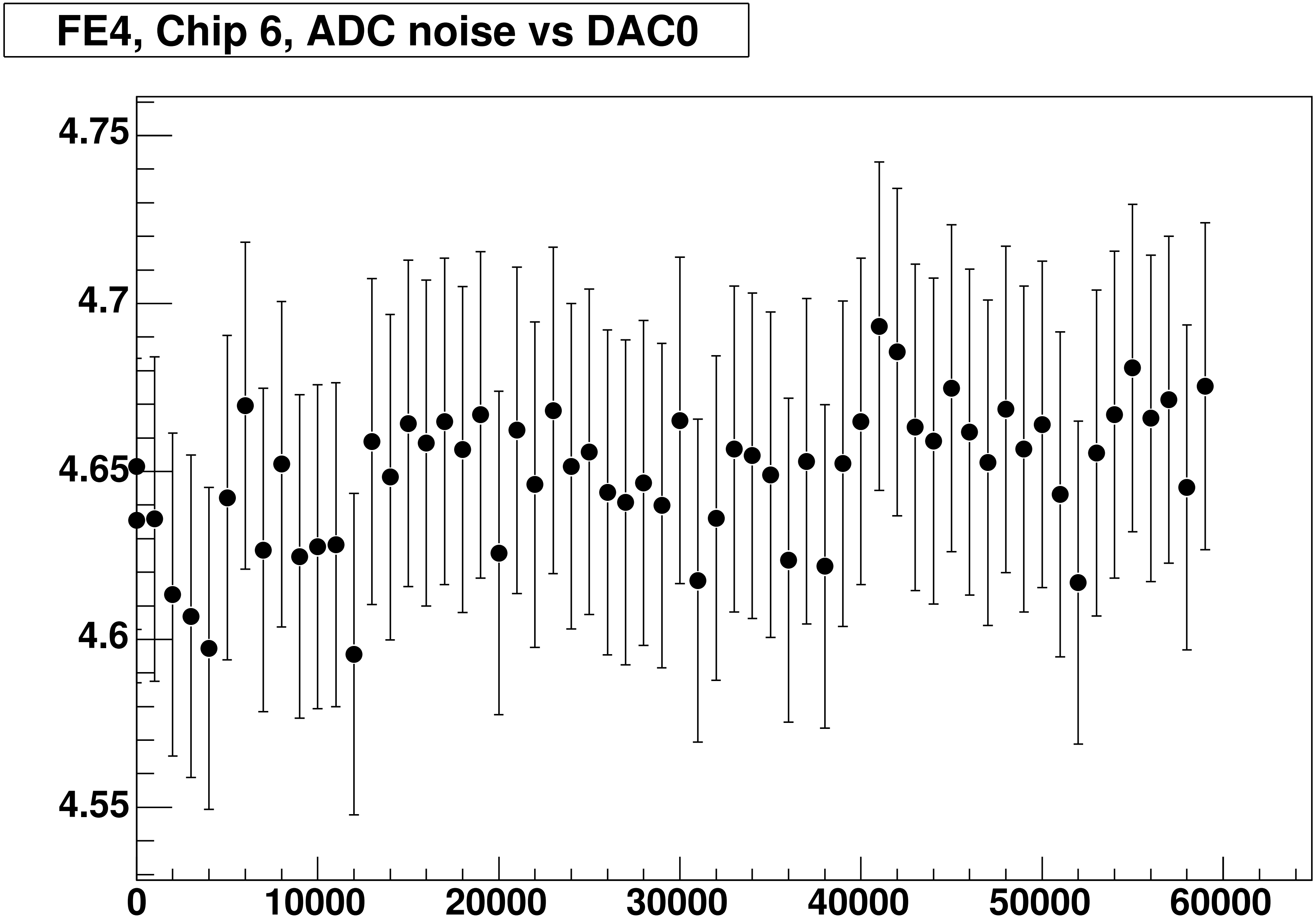


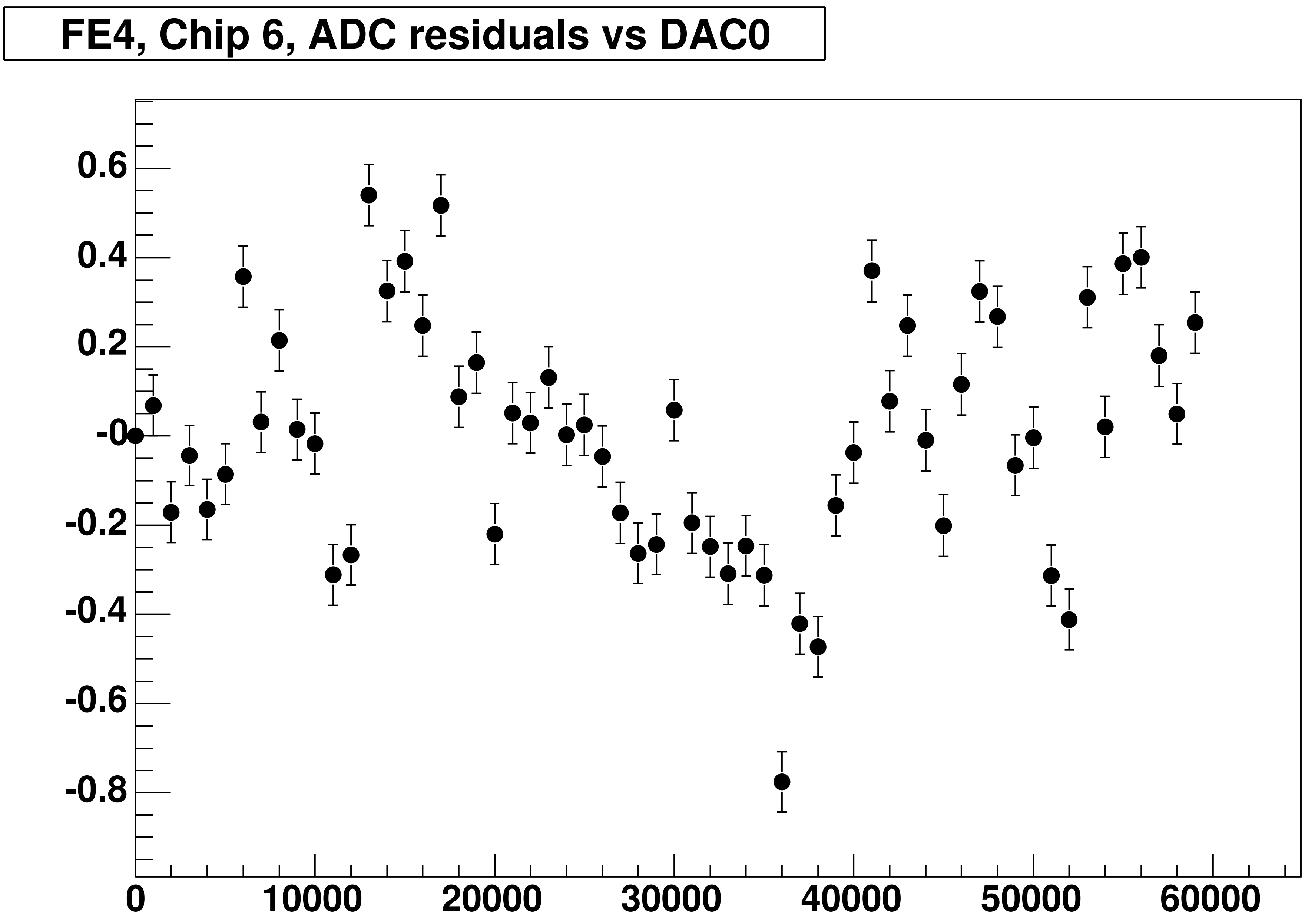
FE4, Chip 5, ADC mean vs DAC1
χ^2 / ndf 156.3 / 57
p0 31.23 ± 0.005941
p1 8.812e-07 ± 1.721e-07
31.35
31.3
31.25
31.2
31.15
31.1
0
10000
20000
30000
40000
50000
60000

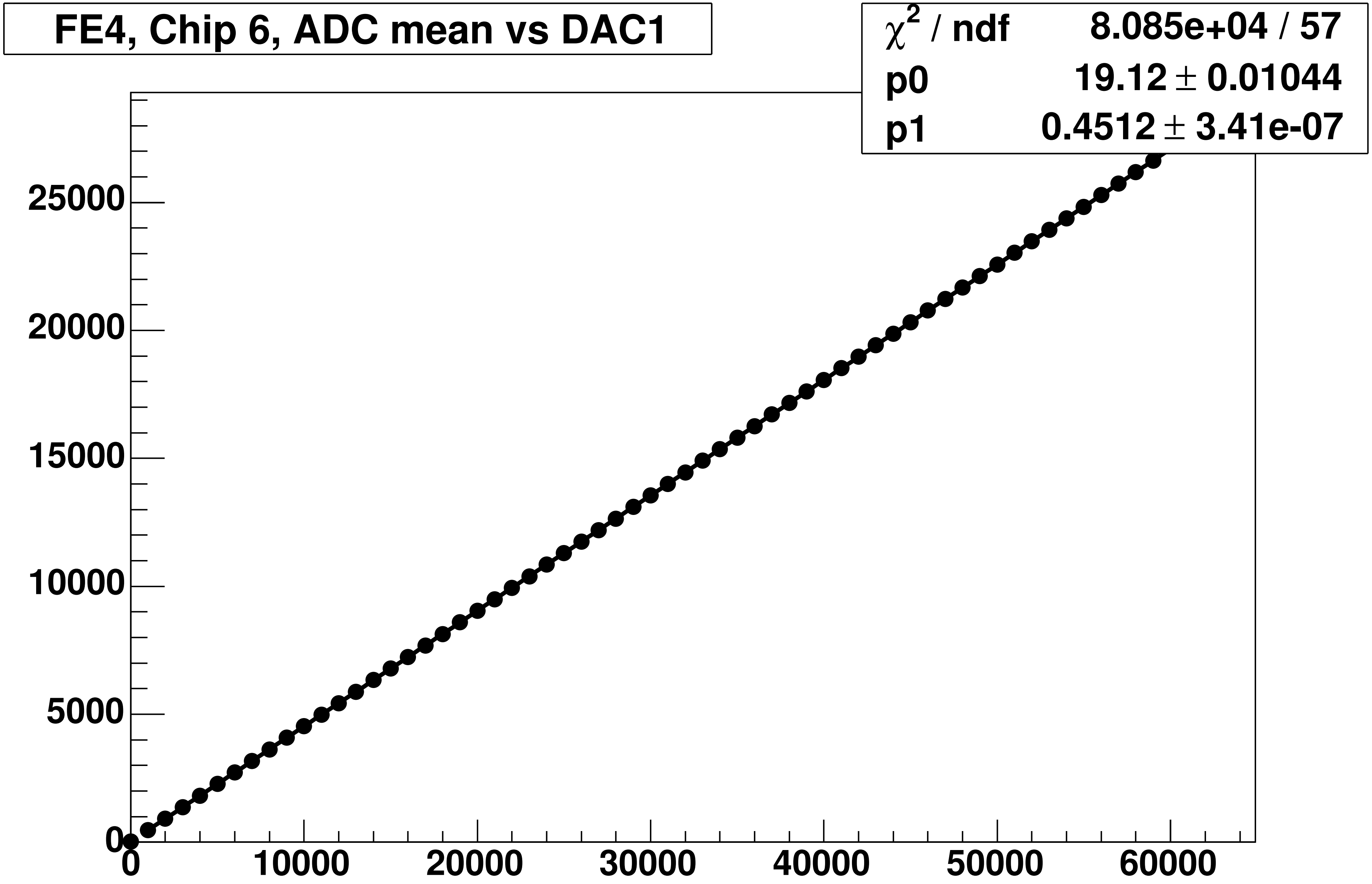

FE4, Chip 5, ADC noise vs DAC1
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

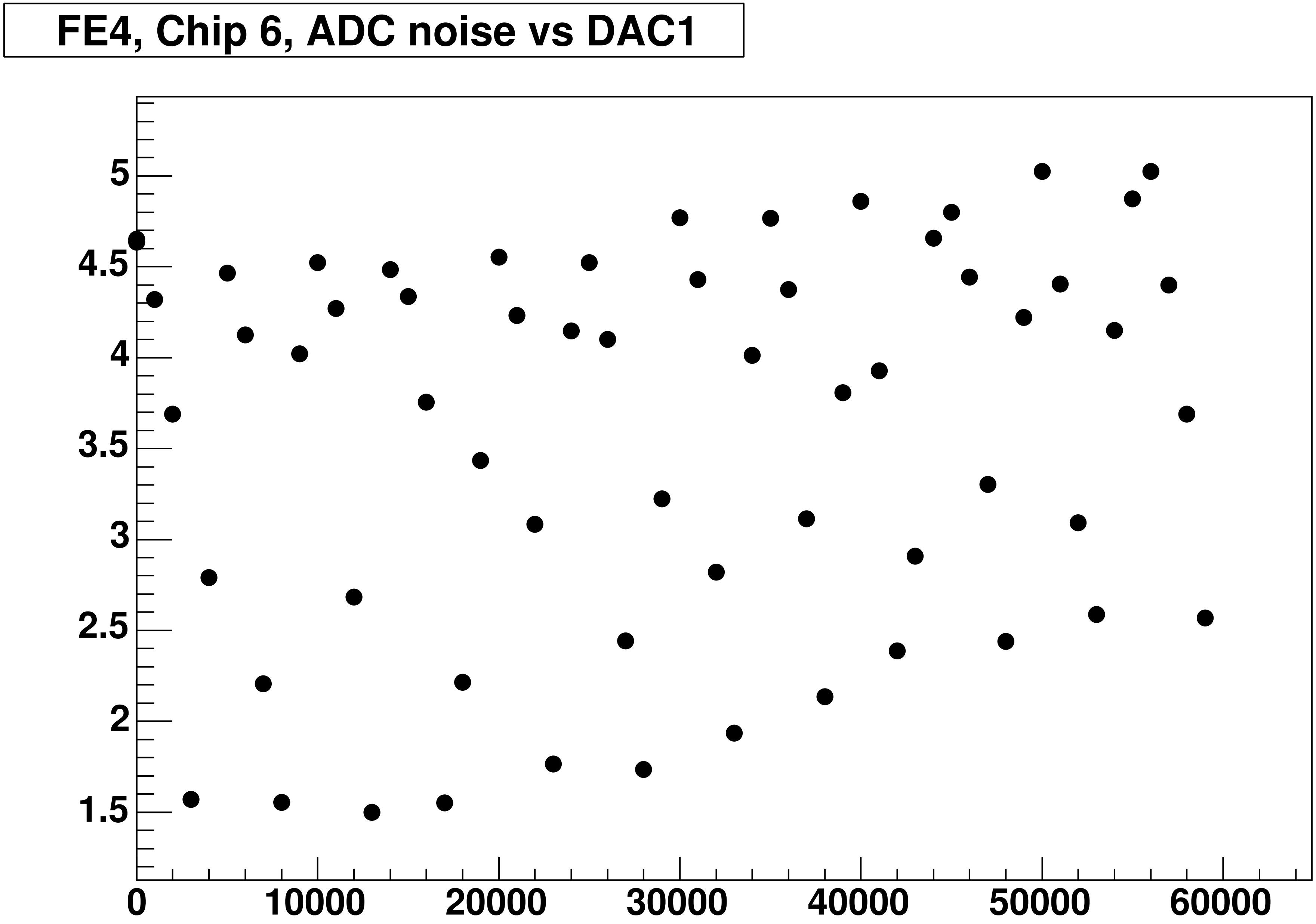

FE4, Chip 5, ADC residuals vs DAC1
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000


FE4, Chip 6, ADC mean vs DAC0
χ² / ndf 886.4 / 57
p0 18.78 ± 0.01802
p1 1.573e-05 ± 5.233e-07
20.2
20
19.8
19.6
19.4
19.2
19
18.8
18.6
18.4
0
10000
20000
30000
40000
50000
60000


FE4, Chip 6, ADC noise vs DAC0
4.75
4.7
4.65
4.6
4.55
0
10000
20000
30000
40000
50000
60000

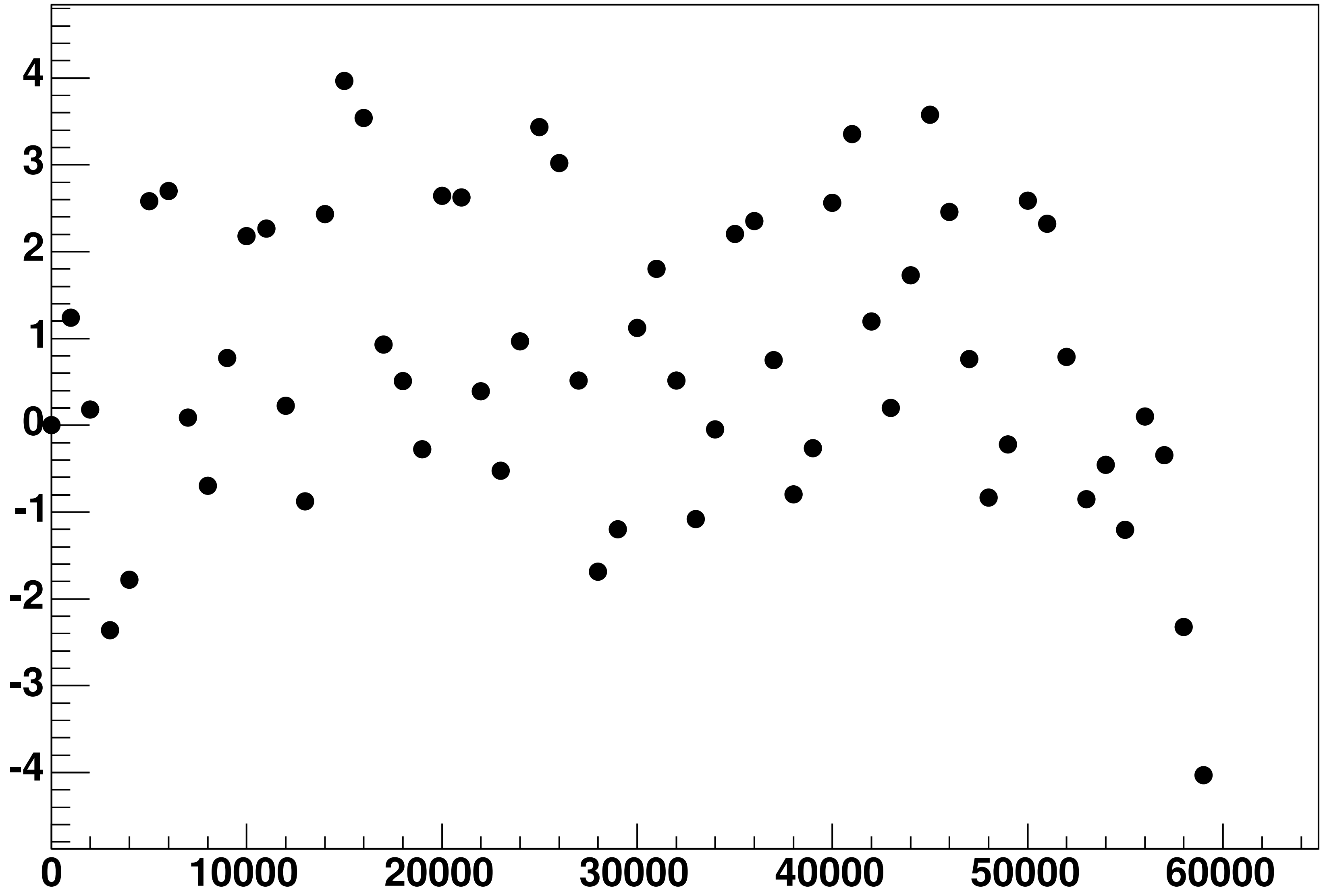

FE4, Chip 6, ADC residuals vs DAC0
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
-0.8
0
10000
20000
30000
40000
50000
60000

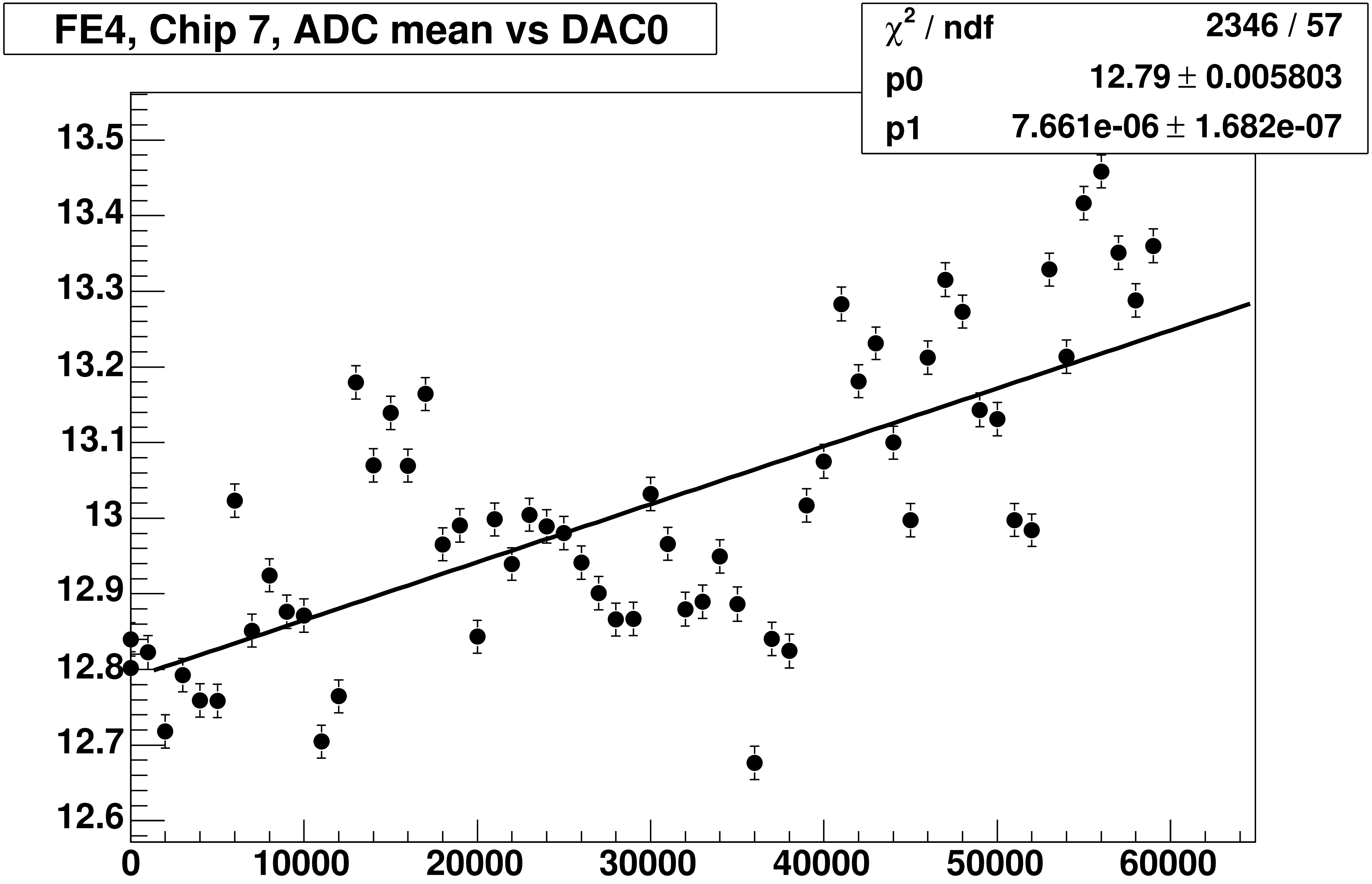

FE4, Chip 6, ADC mean vs DAC1
χ^2 / ndf 8.085e+04 / 57
p0 19.12 ± 0.01044
p1 0.4512 ± 3.41e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



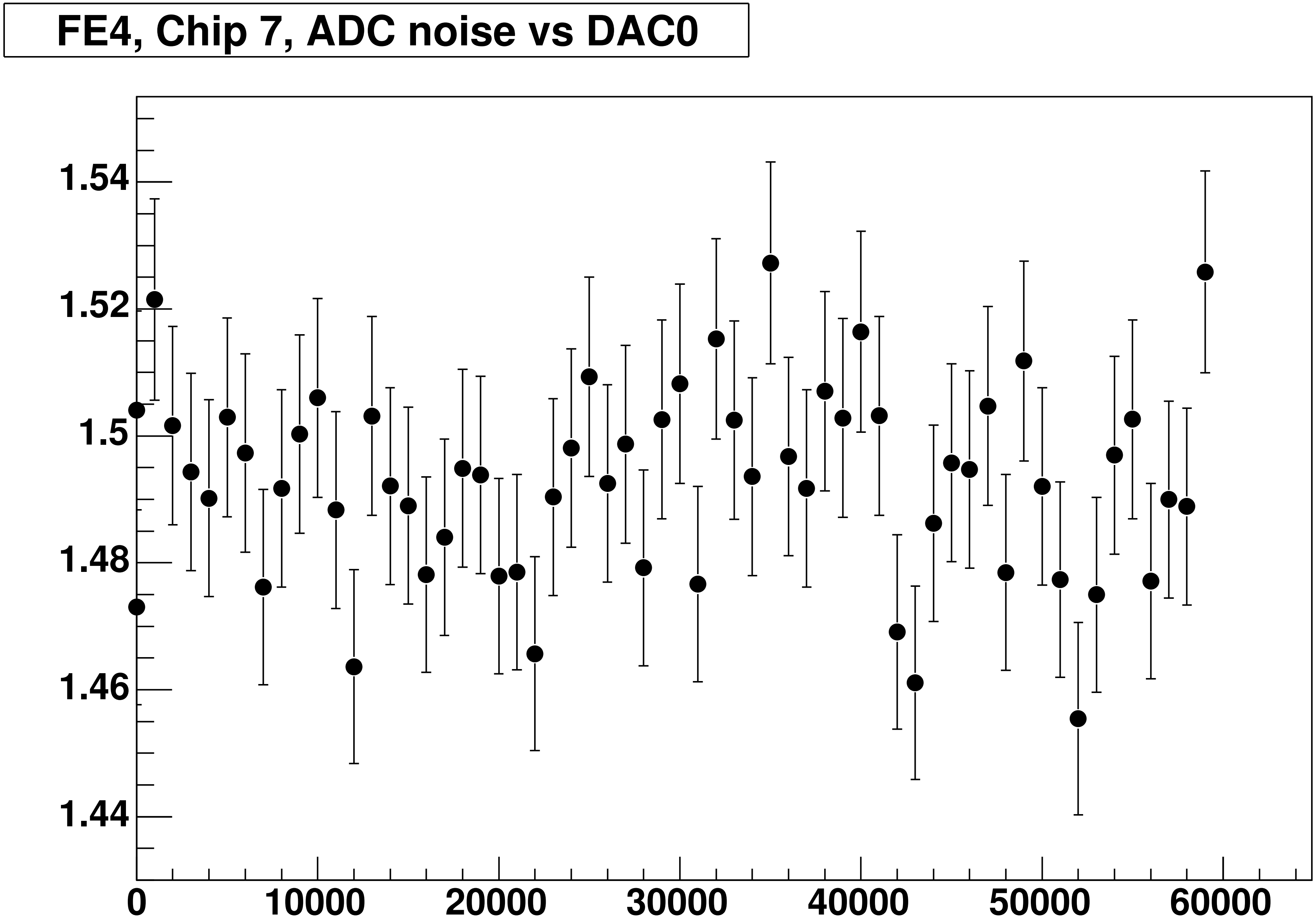
FE4, Chip 6, ADC noise vs DAC1
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

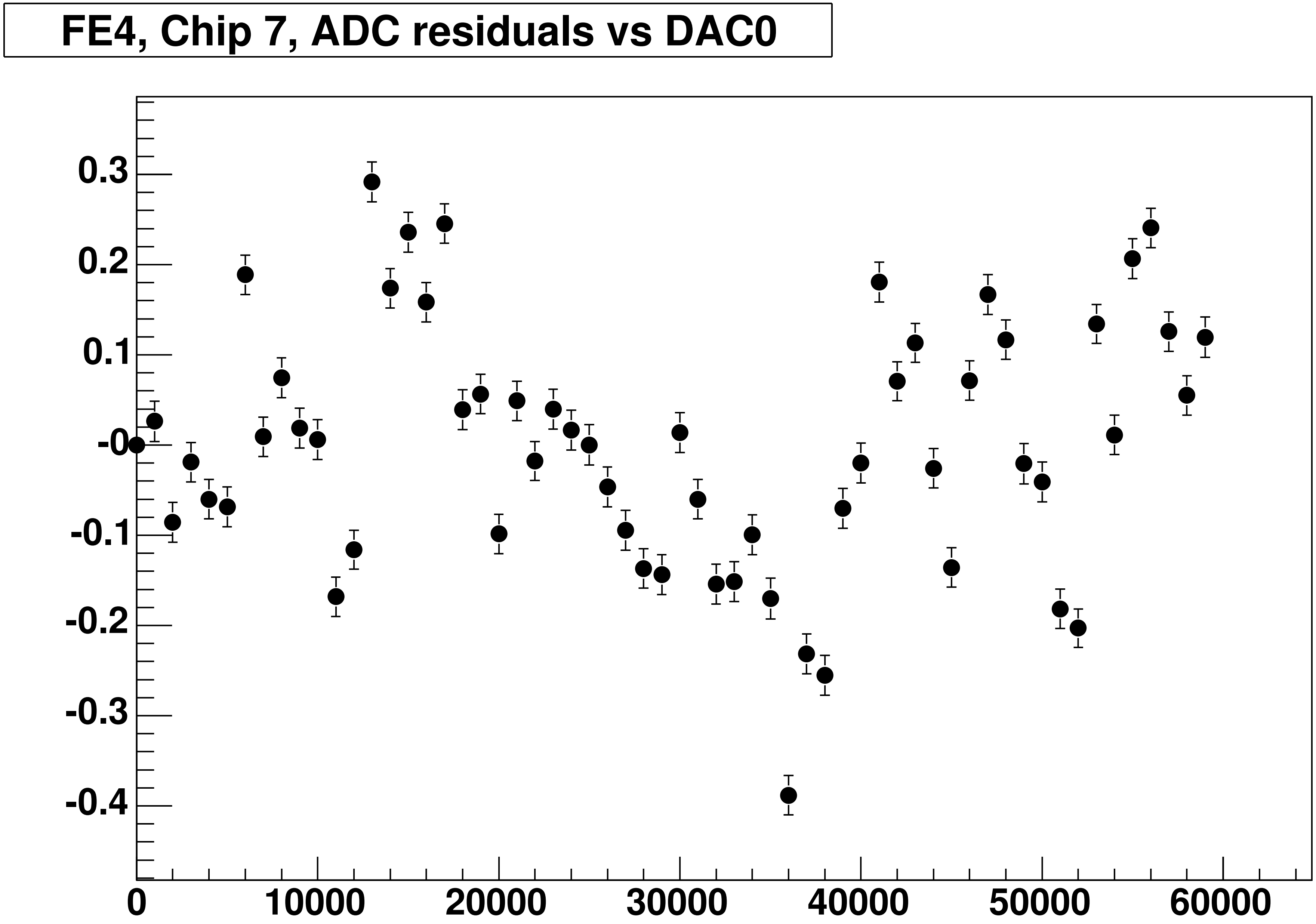
FE4, Chip 6, ADC residuals vs DAC1

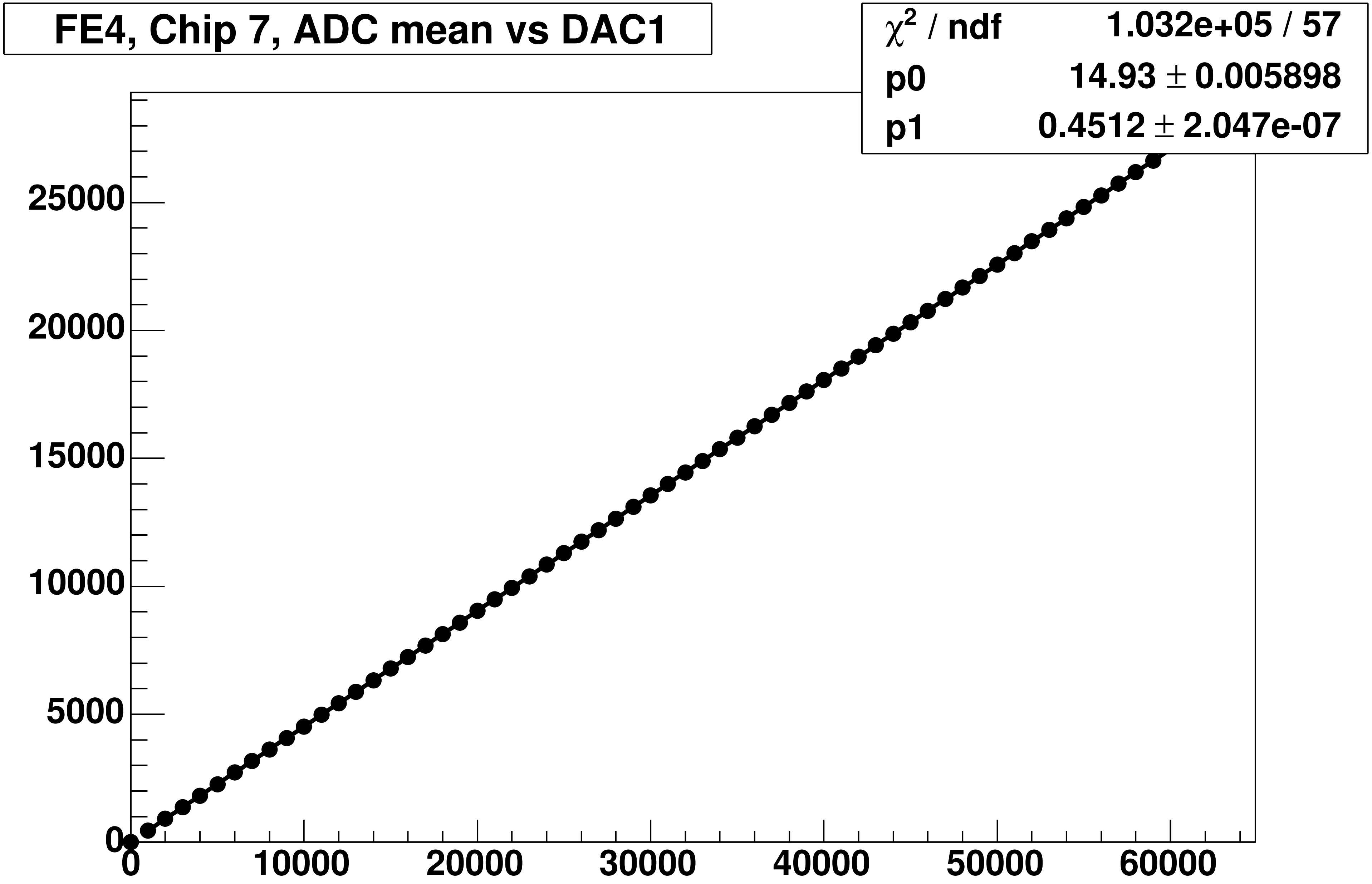




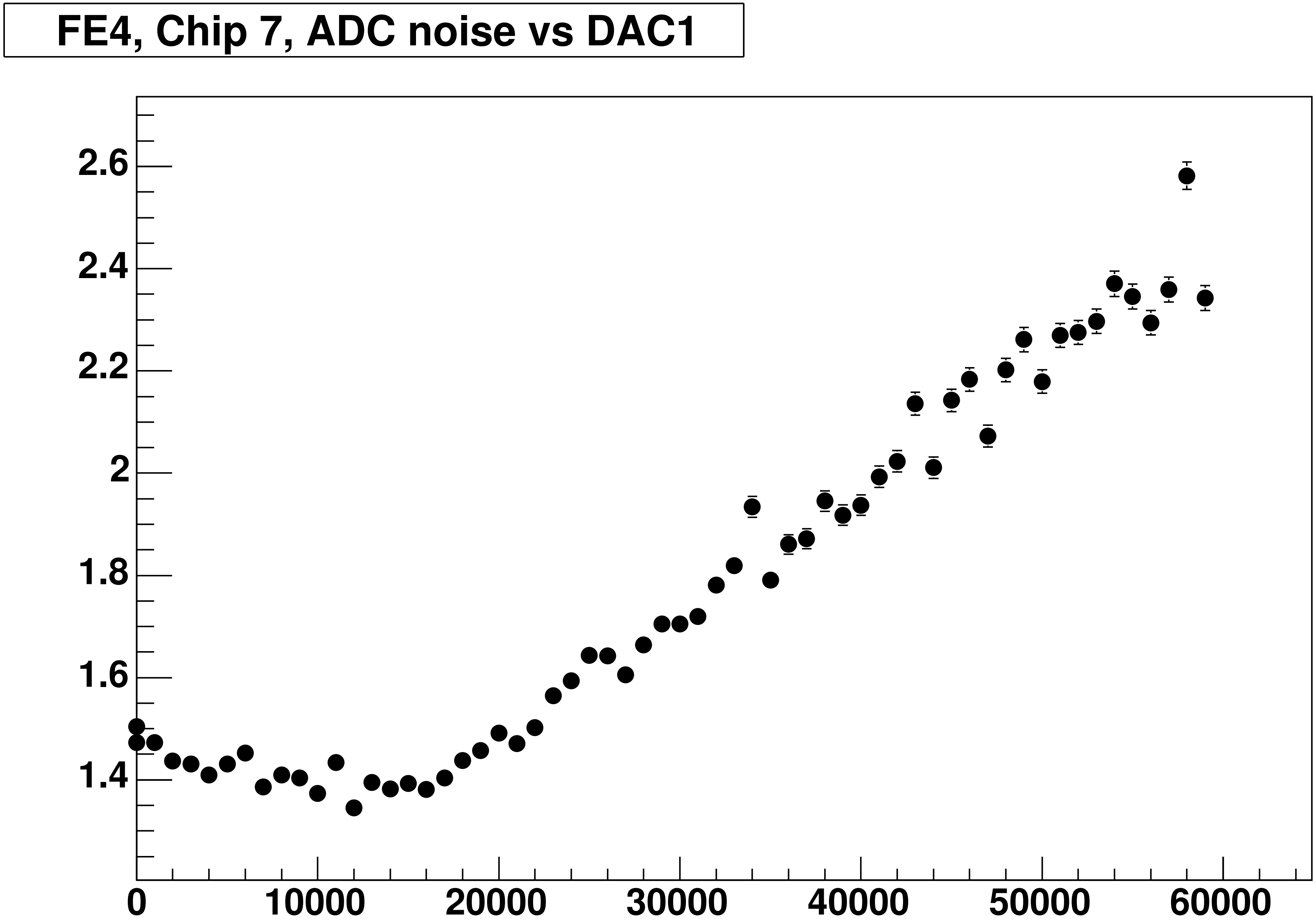
FE4, Chip 7, ADC mean vs DAC0
χ^2 / ndf 2346 / 57
p0 12.79 ± 0.005803
p1 7.661e-06 ± 1.682e-07
13.5
13.4
13.3
13.2
13.1
13
12.9
12.8
12.7
12.6
0
10000
20000
30000
40000
50000
60000


FE4, Chip 7, ADC noise vs DAC0
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

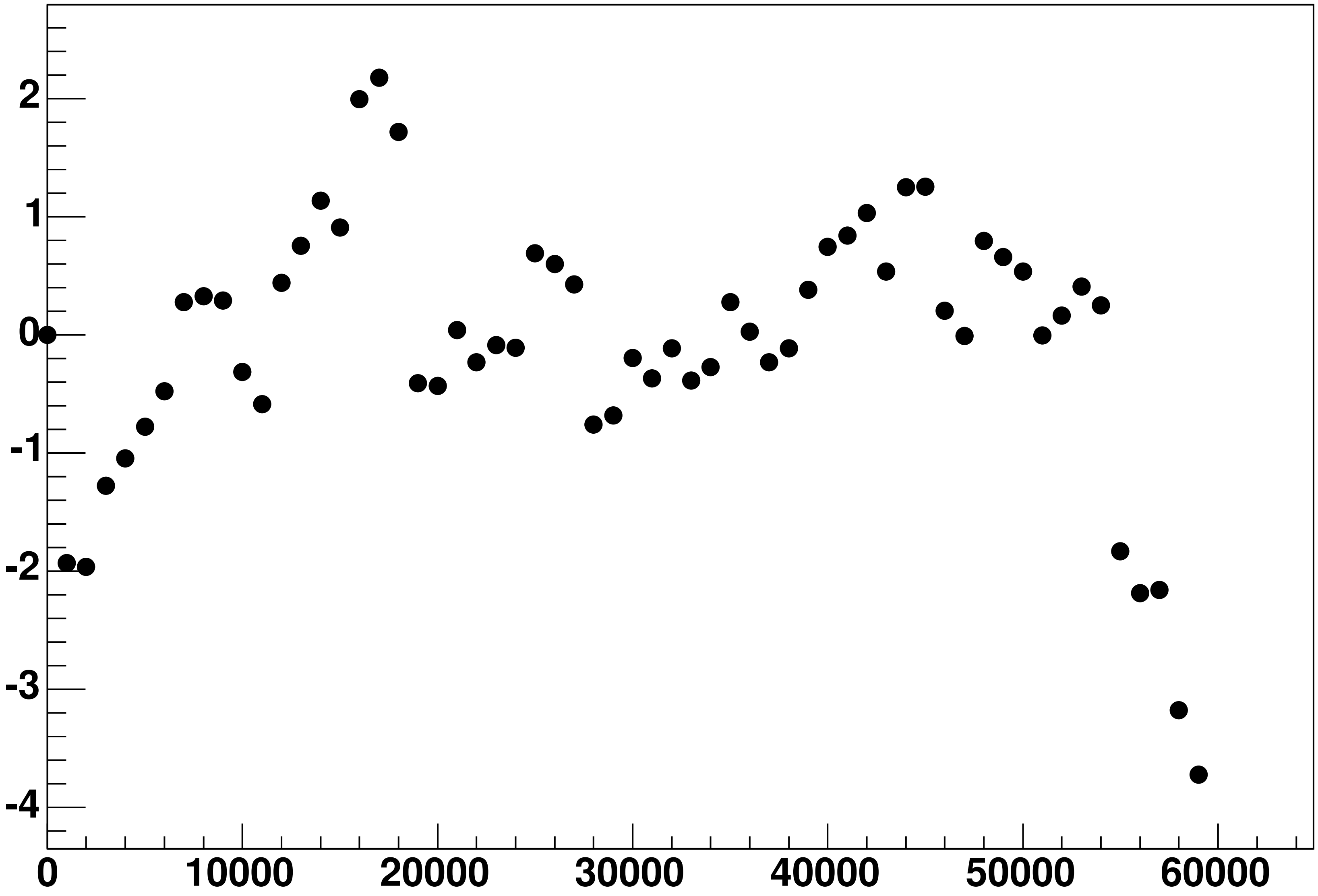

FE4, Chip 7, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

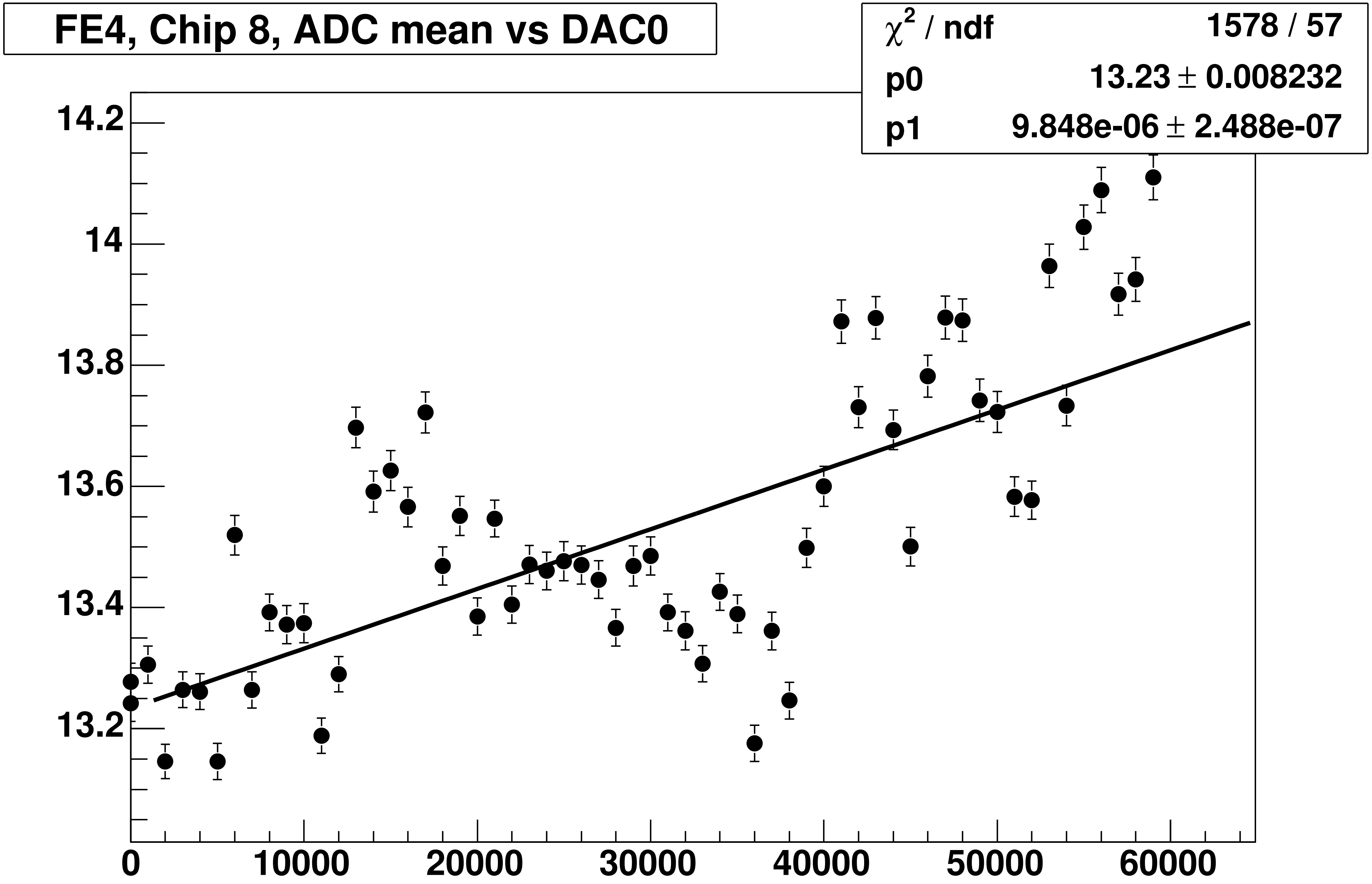


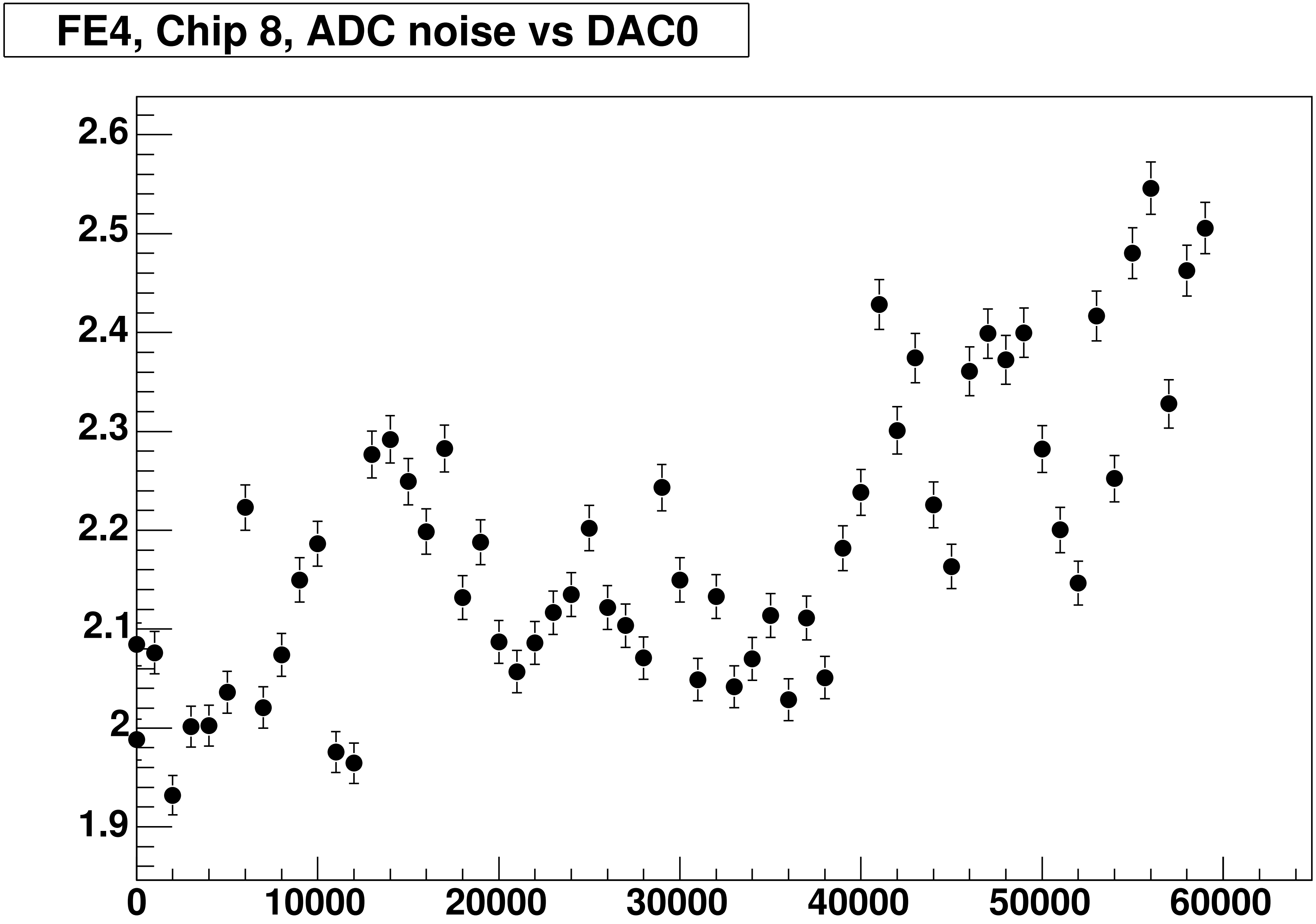
FE4, Chip 7, ADC mean vs DAC1
χ^2 / ndf 1.032e+05 / 57
p0 14.93 ± 0.005898
p1 0.4512 ± 2.047e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 7, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

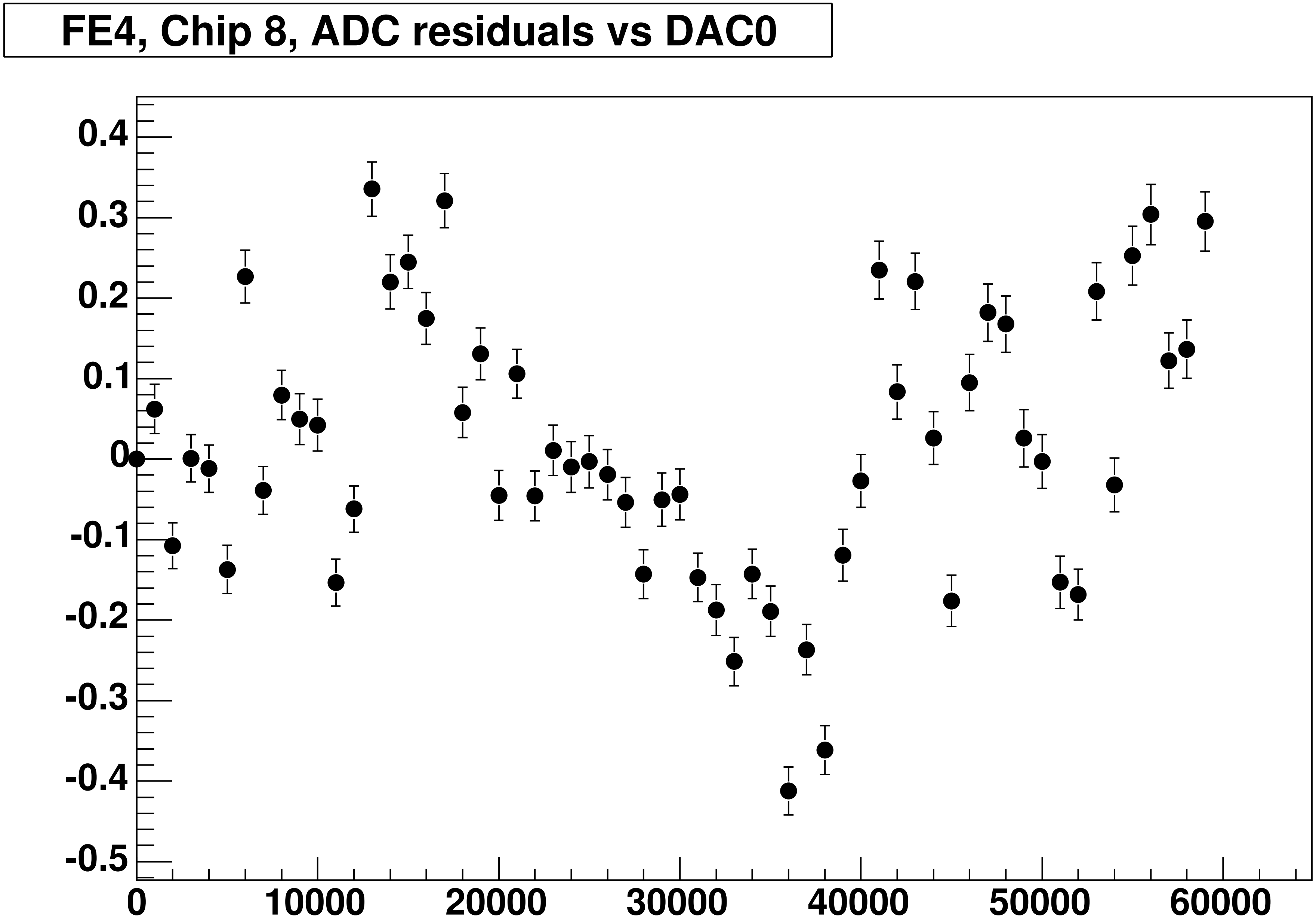
FE4, Chip 7, ADC residuals vs DAC1

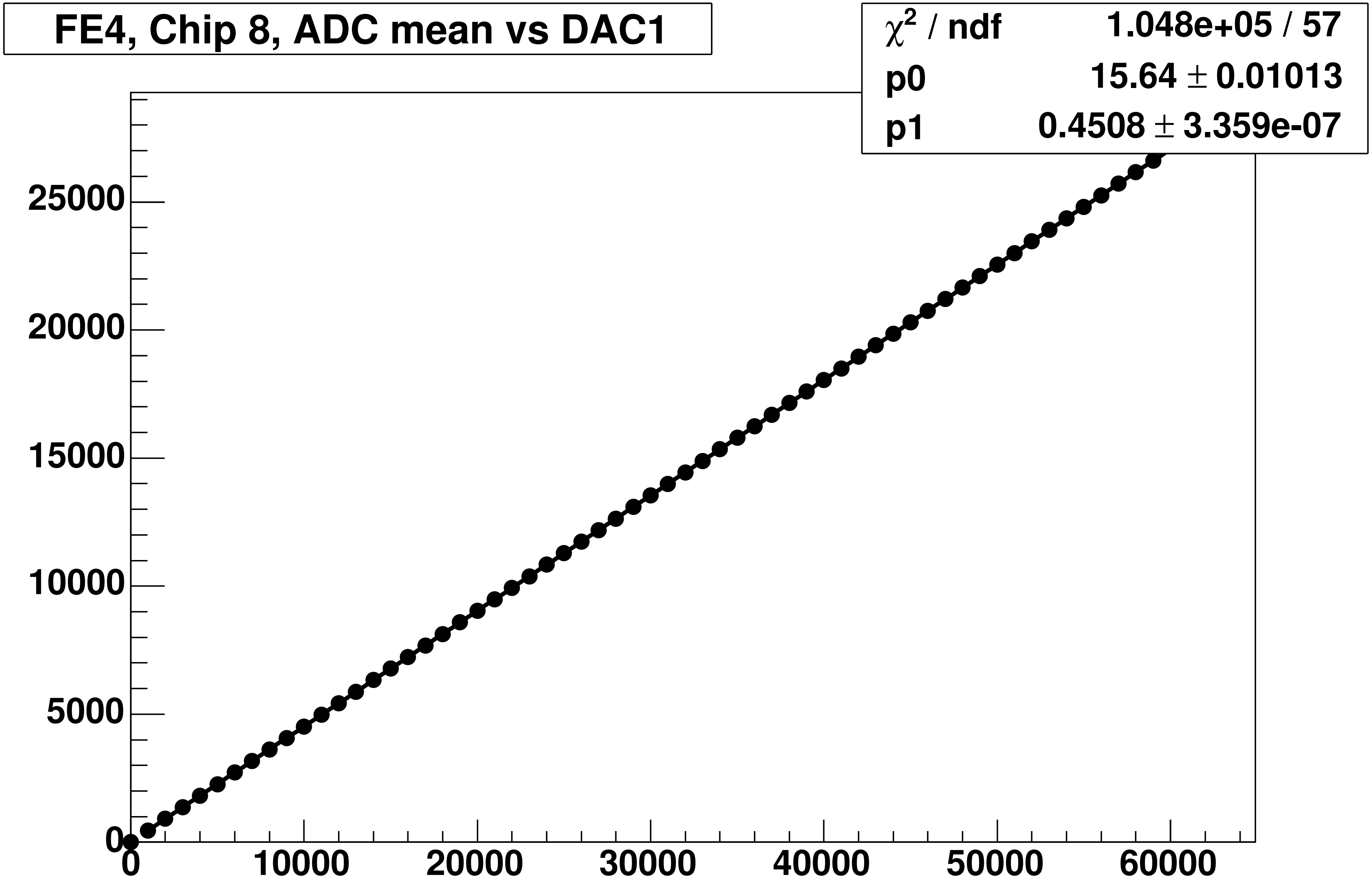



FE4, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1578 / 57
p0 13.23 ± 0.008232
p1 9.848e-06 ± 2.488e-07
14.2
14
13.8
13.6
13.4
13.2
0
10000
20000
30000
40000
50000
60000

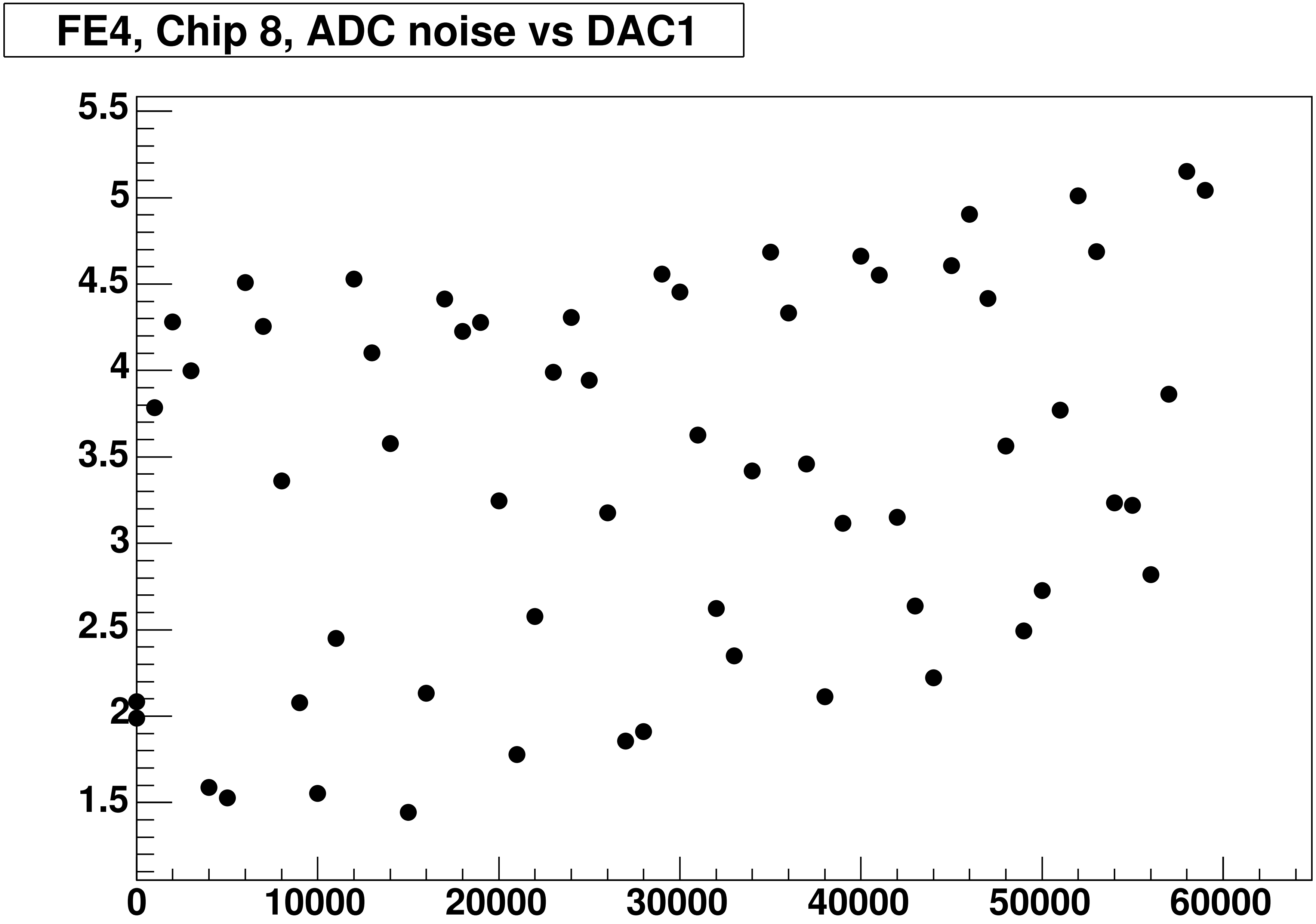


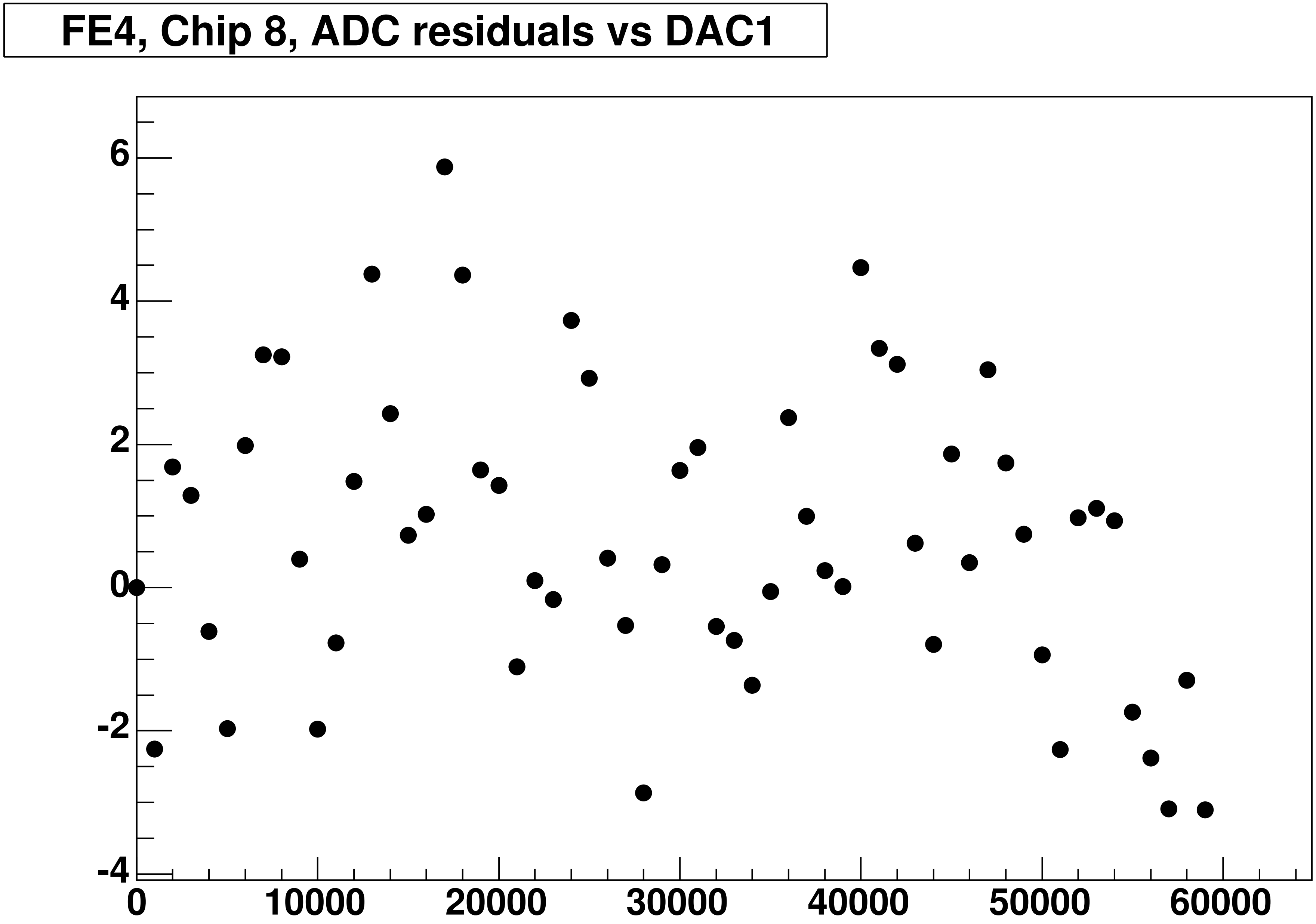
FE4, Chip 8, ADC noise vs DAC0
2.6
2.5
2.4
2.3
2.2
2.1
2
1.9
0
10000
20000
30000
40000
50000
60000

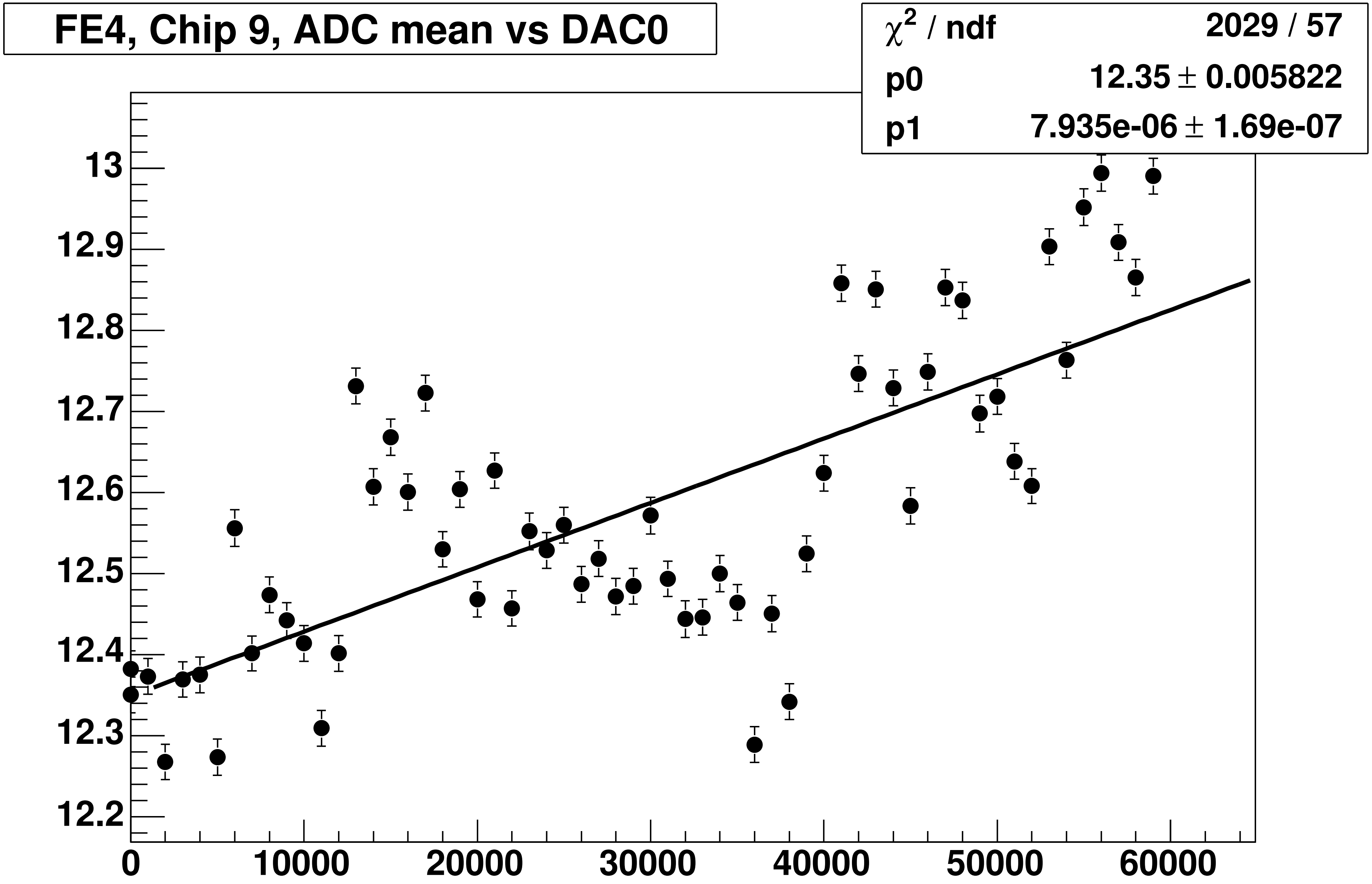

FE4, Chip 8, ADC residuals vs DAC0
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
0
10000
20000
30000
40000
50000
60000



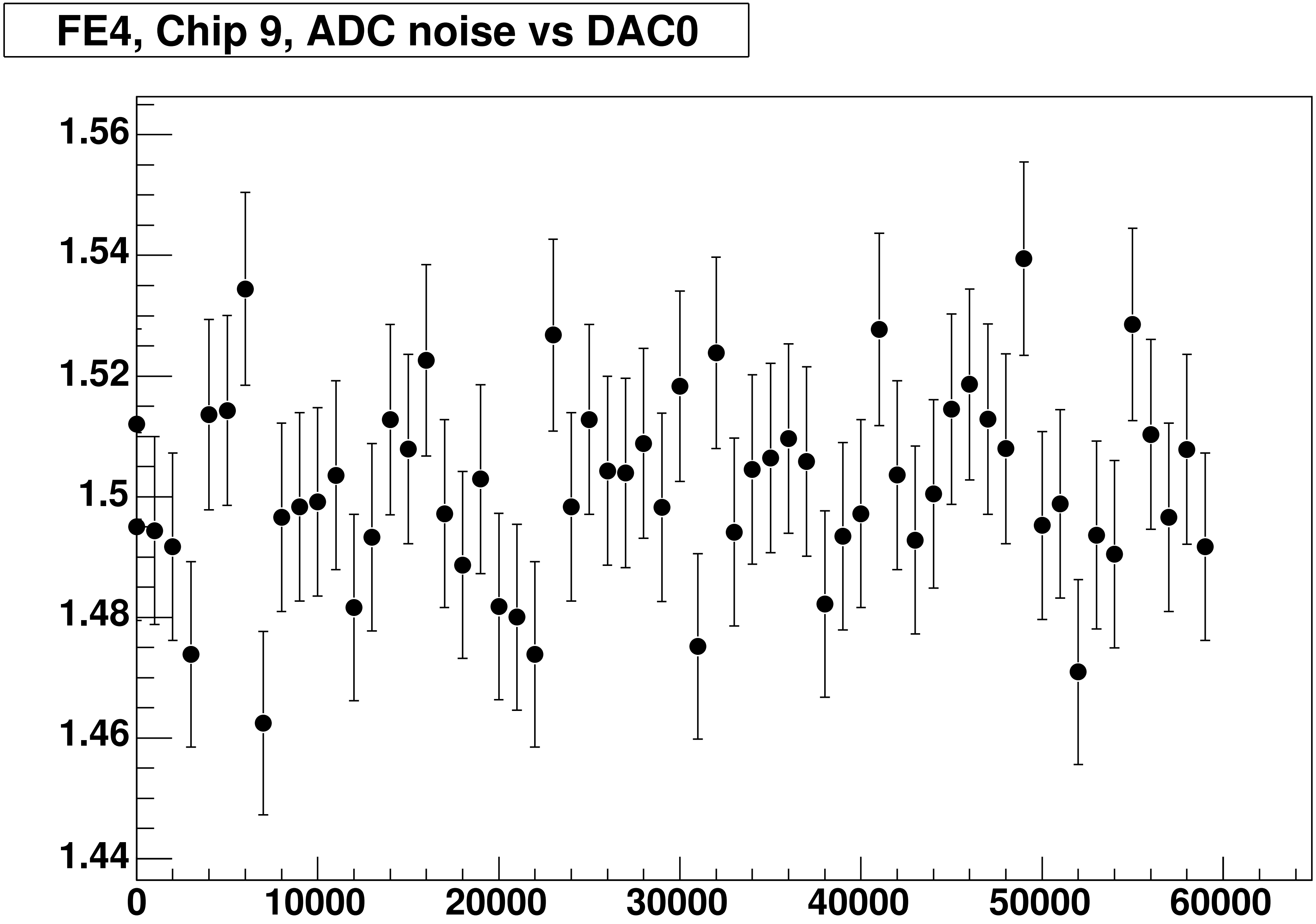
FE4, Chip 8, ADC mean vs DAC1
χ² / ndf 1.048e+05 / 57
p0 15.64 ± 0.01013
p1 0.4508 ± 3.359e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

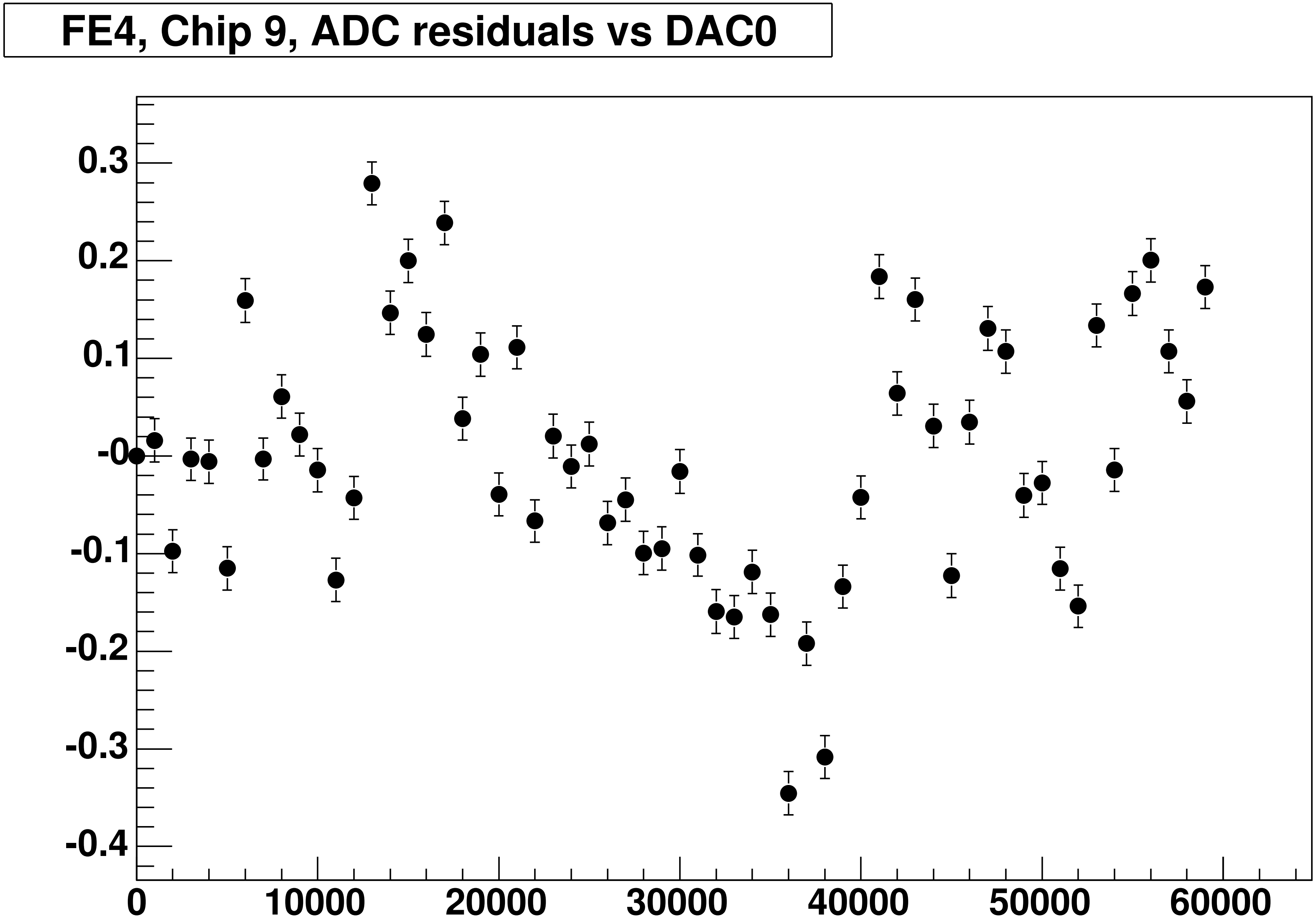

FE4, Chip 8, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000


FE4, Chip 8, ADC residuals vs DAC1
6
4
2
0
-2
-4
0
10000
20000
30000
40000
50000
60000

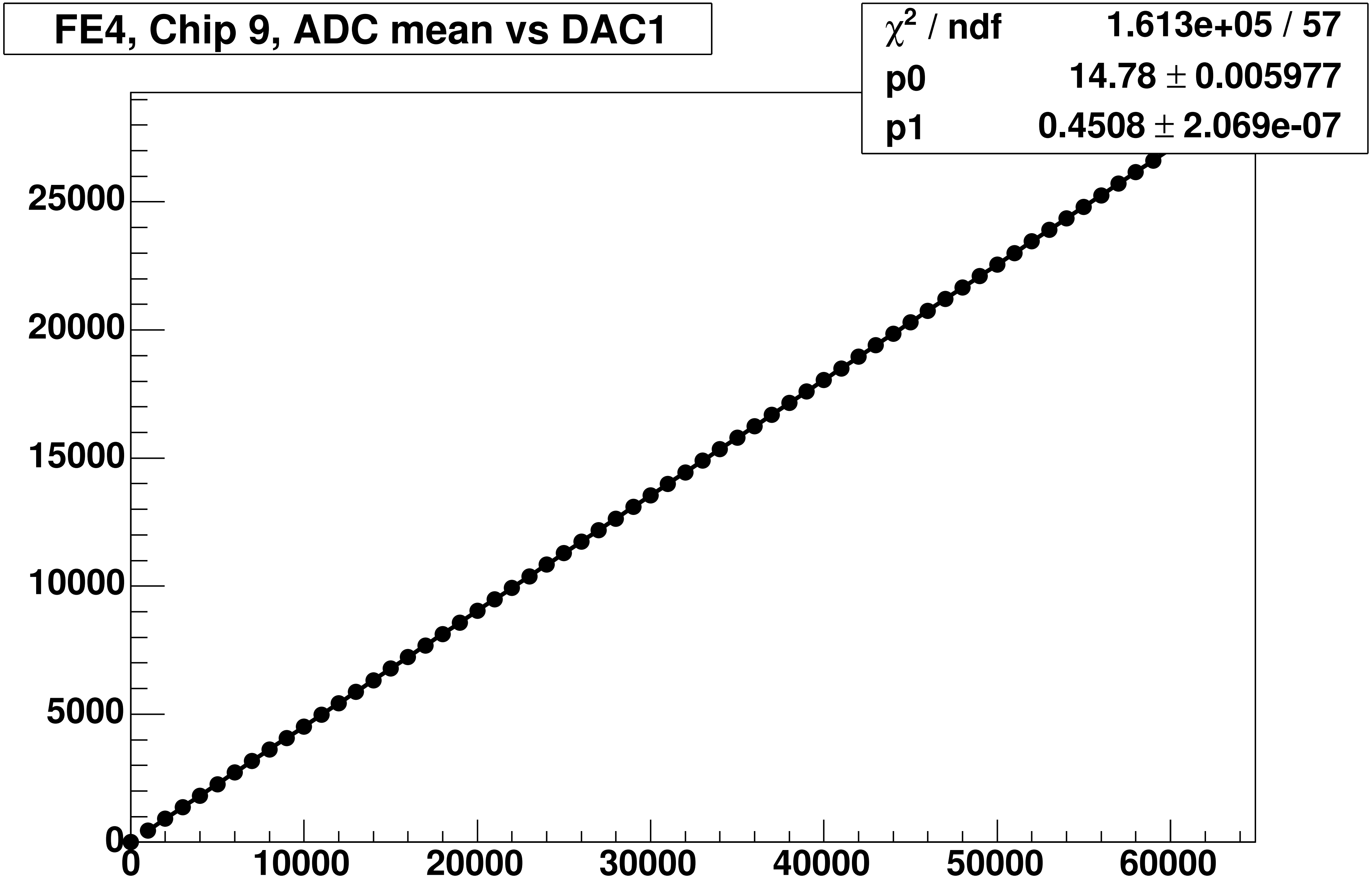


FE4, Chip 9, ADC mean vs DAC0
χ^2 / ndf 2029 / 57
p0 12.35 ± 0.005822
p1 7.935e-06 ± 1.69e-07
13
12.9
12.8
12.7
12.6
12.5
12.4
12.3
12.2
0
10000
20000
30000
40000
50000
60000

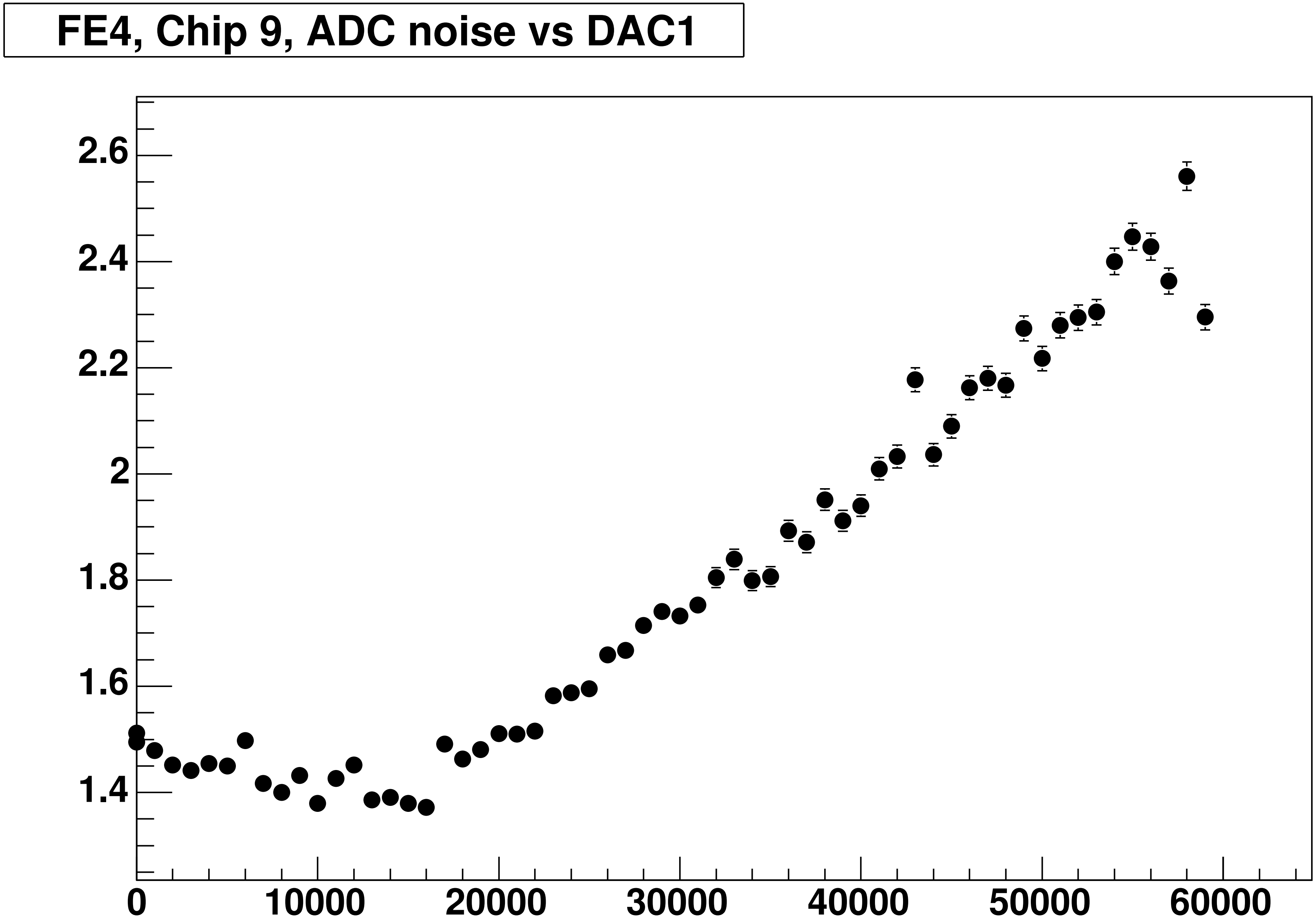

FE4, Chip 9, ADC noise vs DAC0
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

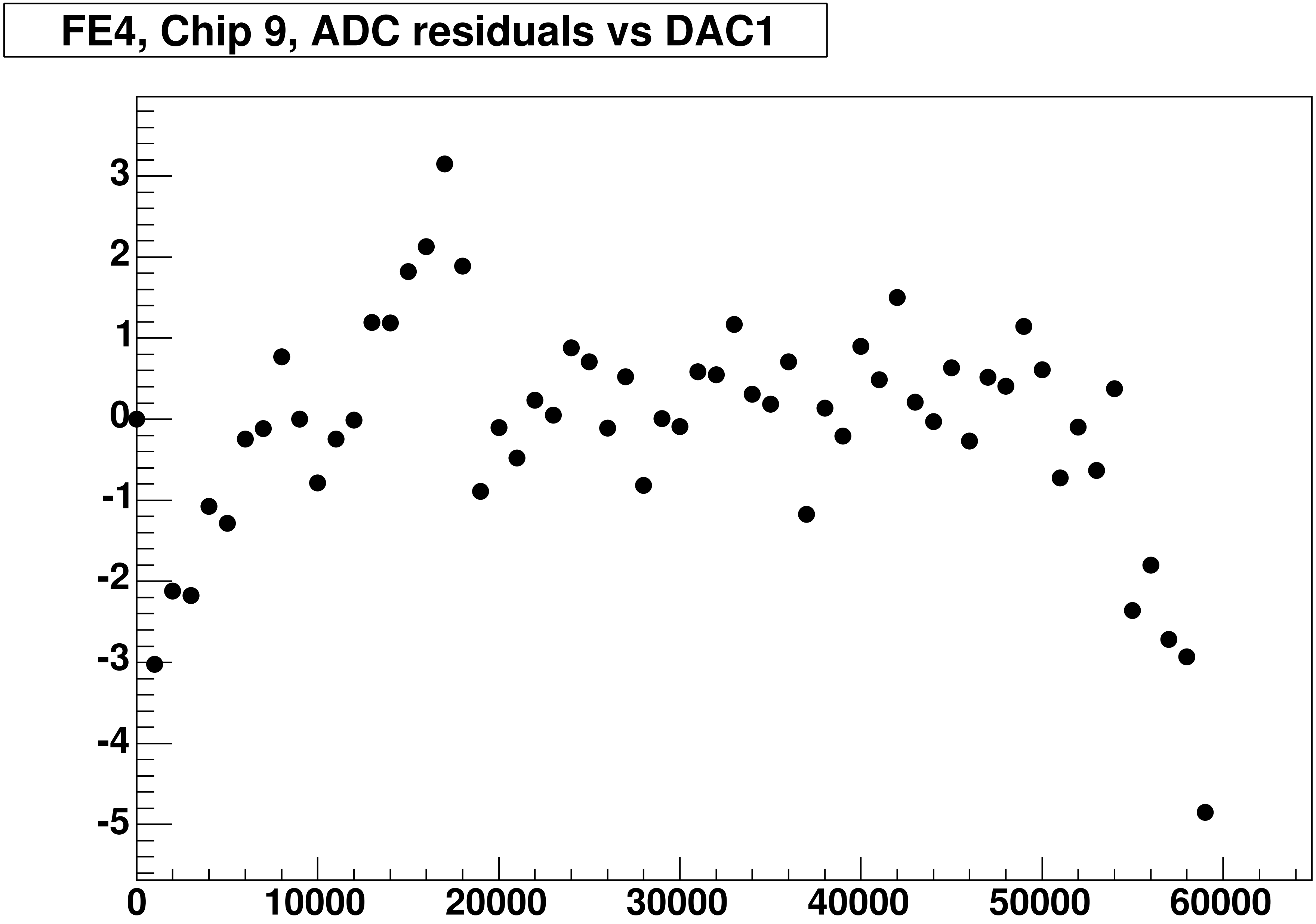


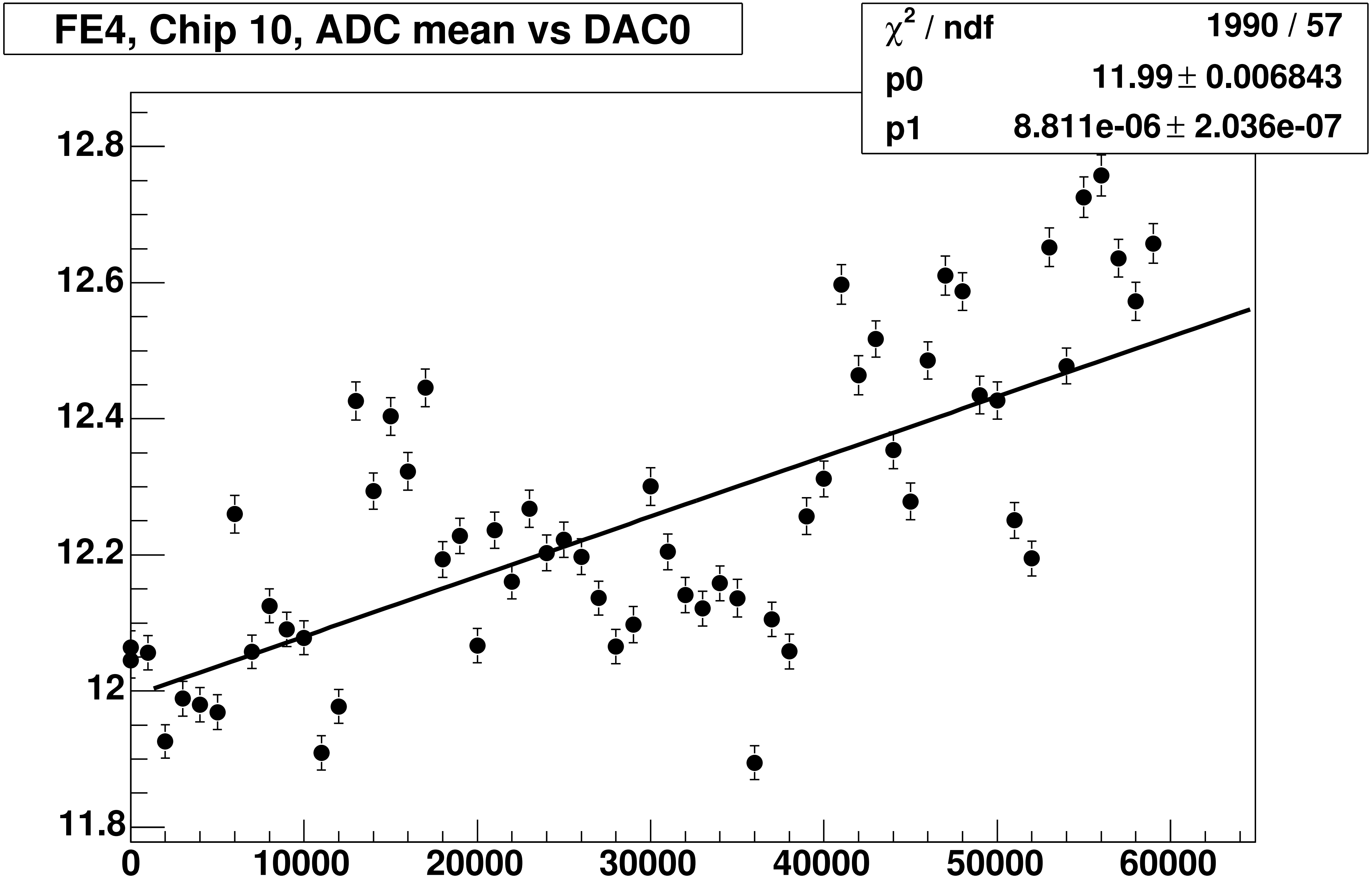
FE4, Chip 9, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000



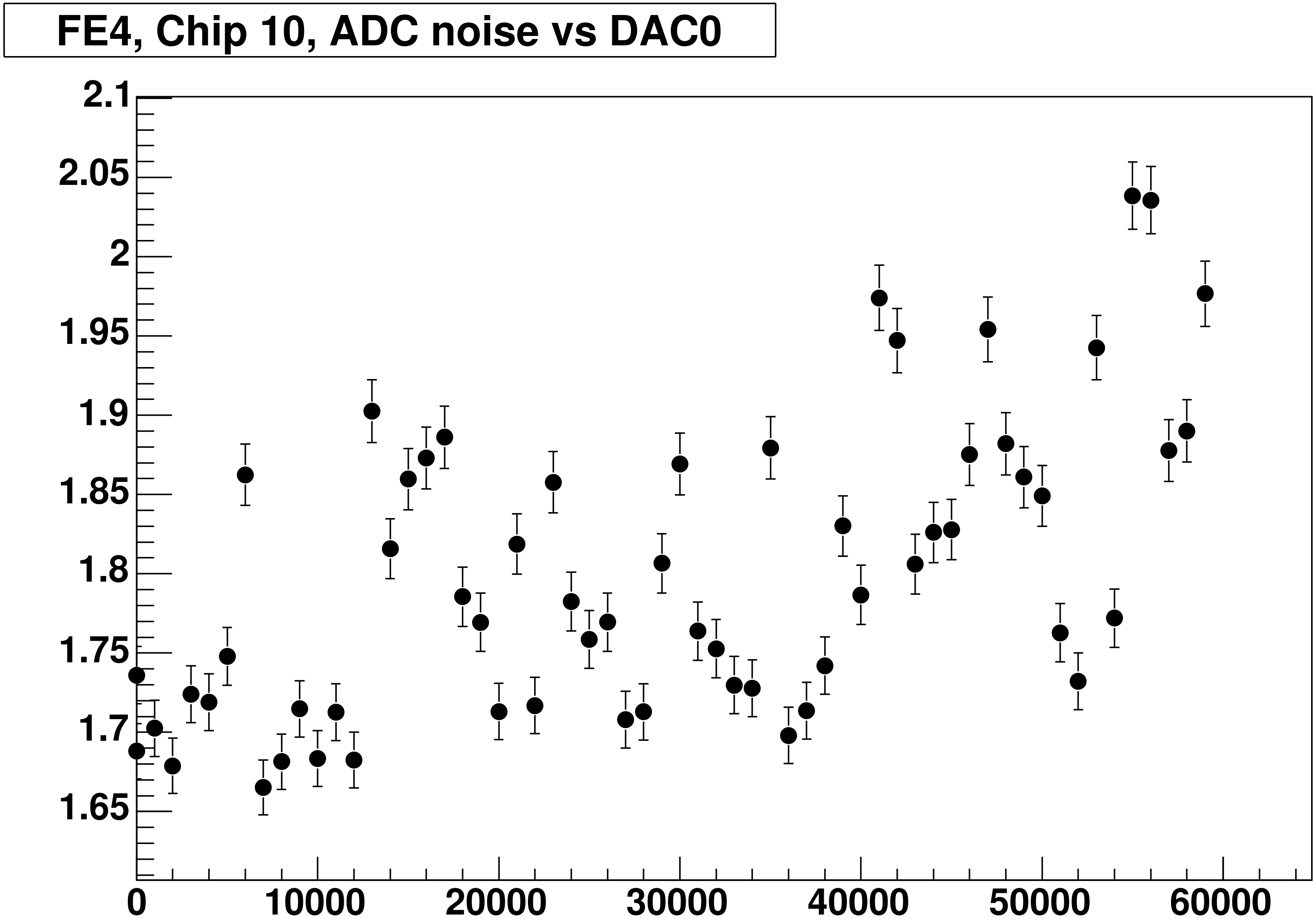
FE4, Chip 9, ADC mean vs DAC1
χ^2 / ndf 1.613e+05 / 57
p0 14.78 ± 0.005977
p1 0.4508 ± 2.069e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

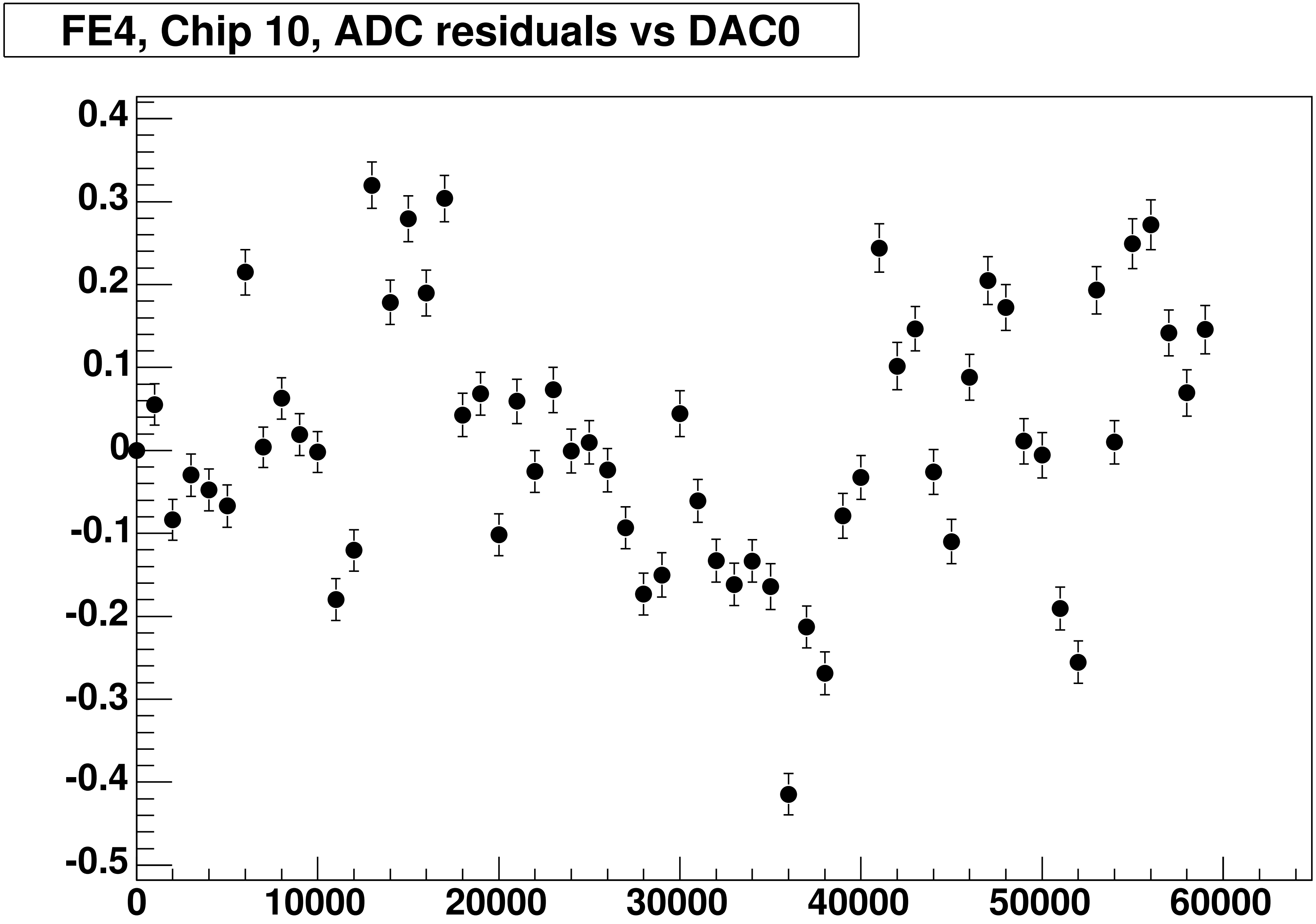

FE4, Chip 9, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

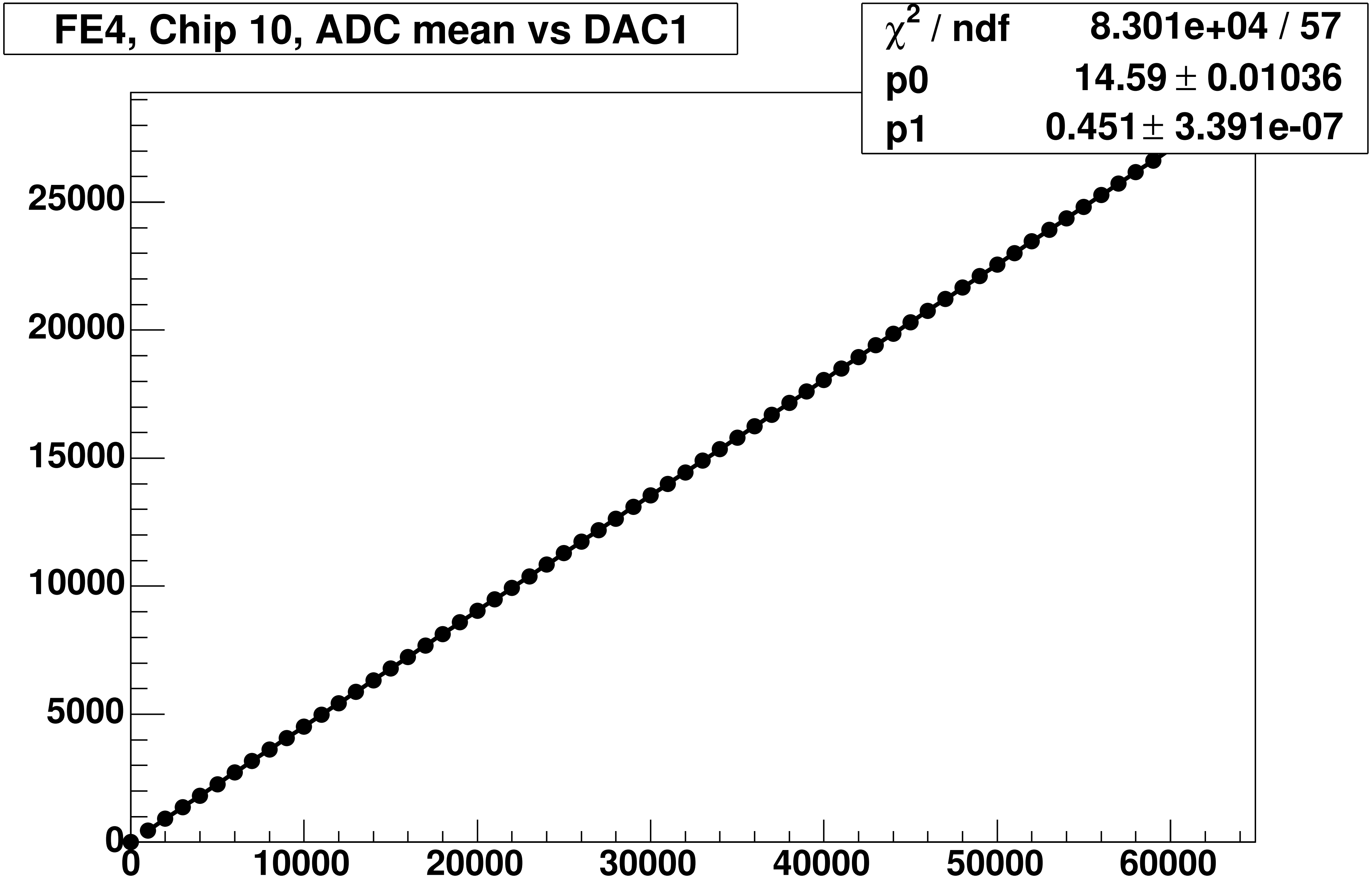

FE4, Chip 9, ADC residuals vs DAC1
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000



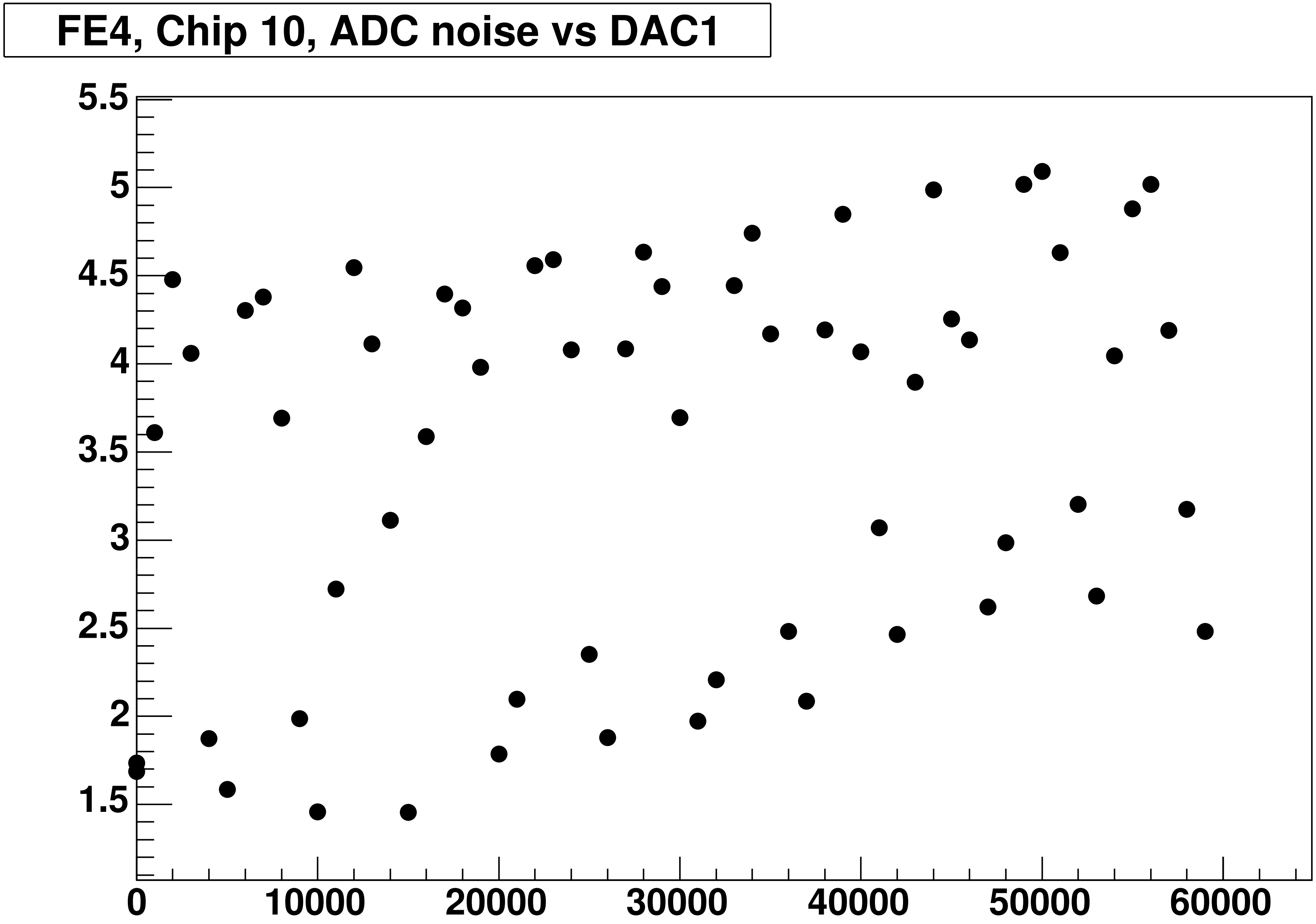
FE4, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1990 / 57
p0 11.99 ± 0.006843
p1 8.811e-06 ± 2.036e-07
12.8
12.6
12.4
12.2
12
11.8
0
10000
20000
30000
40000
50000
60000

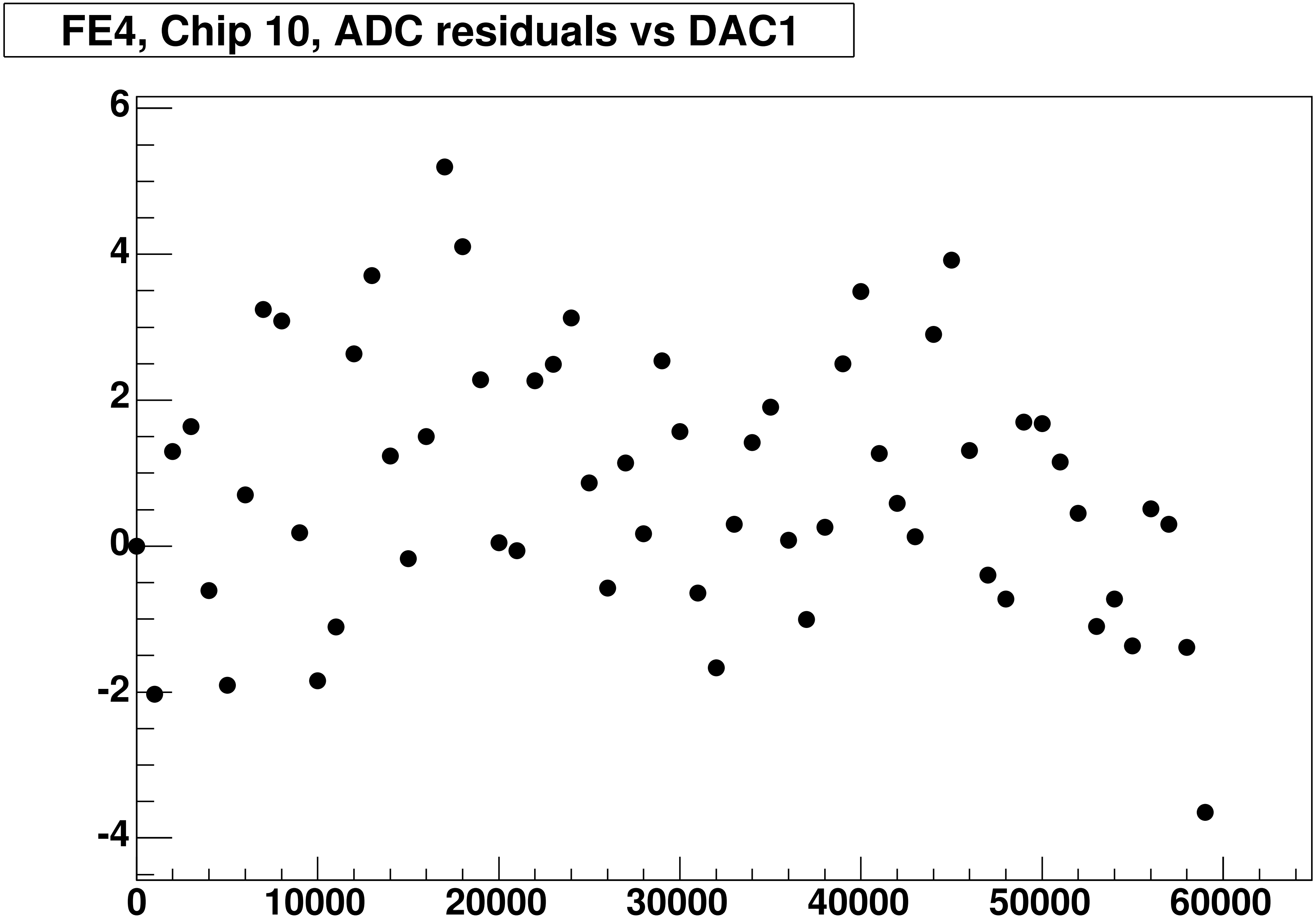

FE4, Chip 10, ADC noise vs DAC0
2.1
2.05
2
1.95
1.9
1.85
1.8
1.75
1.7
1.65
0
10000
20000
30000
40000
50000
60000

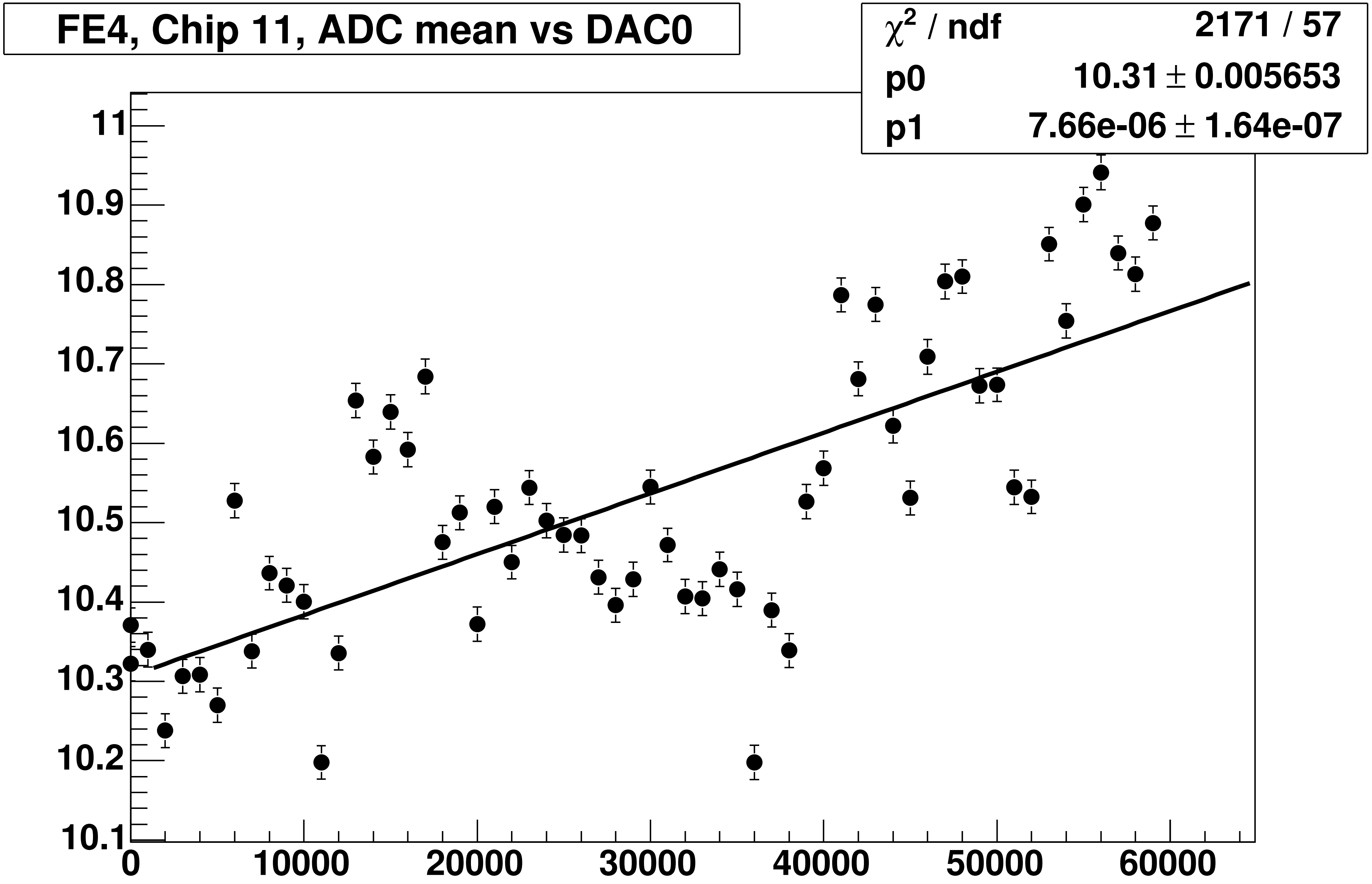

FE4, Chip 10, ADC residuals vs DAC0
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
0
10000
20000
30000
40000
50000
60000



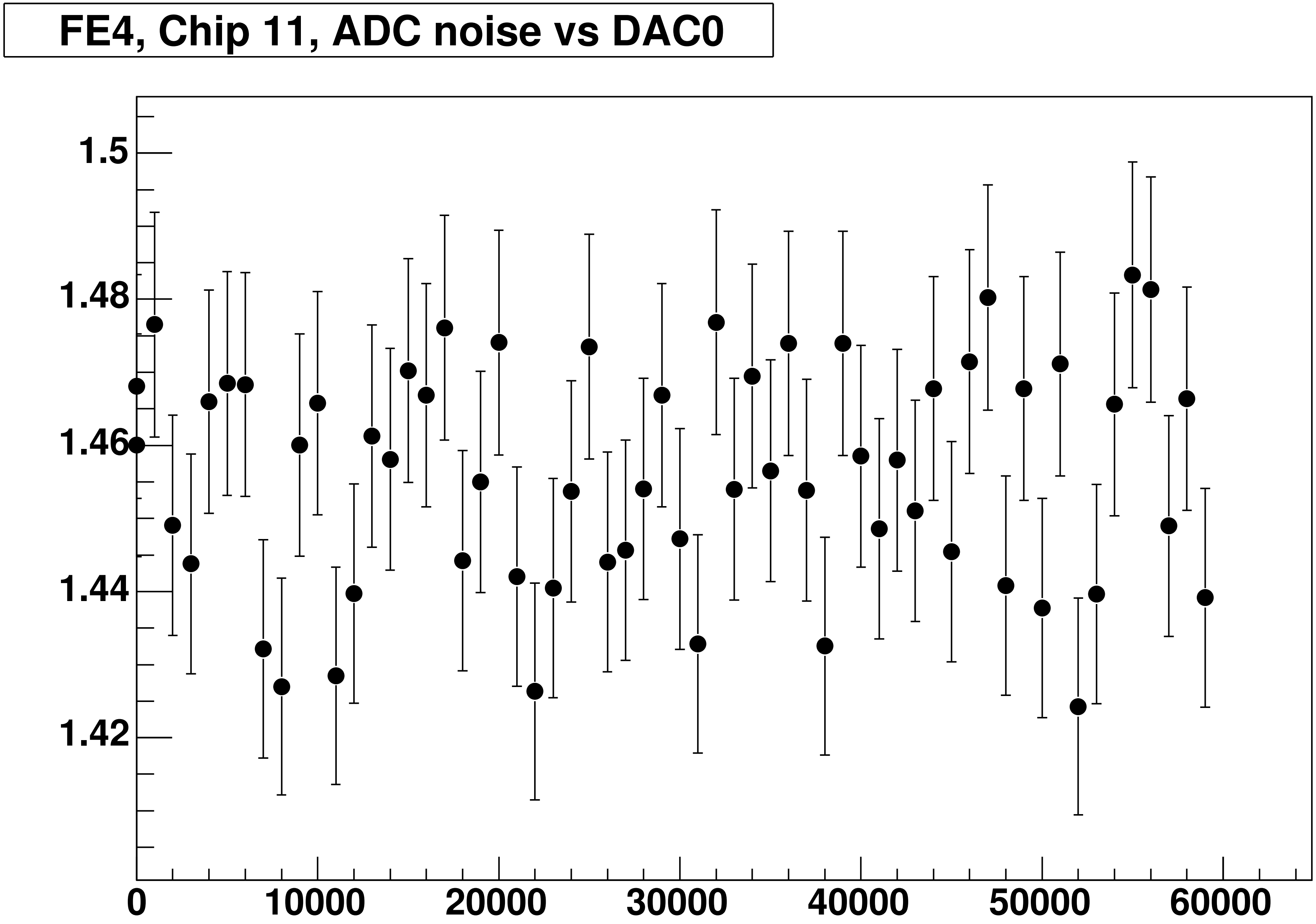
FE4, Chip 10, ADC mean vs DAC1
χ^2 / ndf 8.301e+04 / 57
p0 14.59 ± 0.01036
p1 0.451 ± 3.391e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

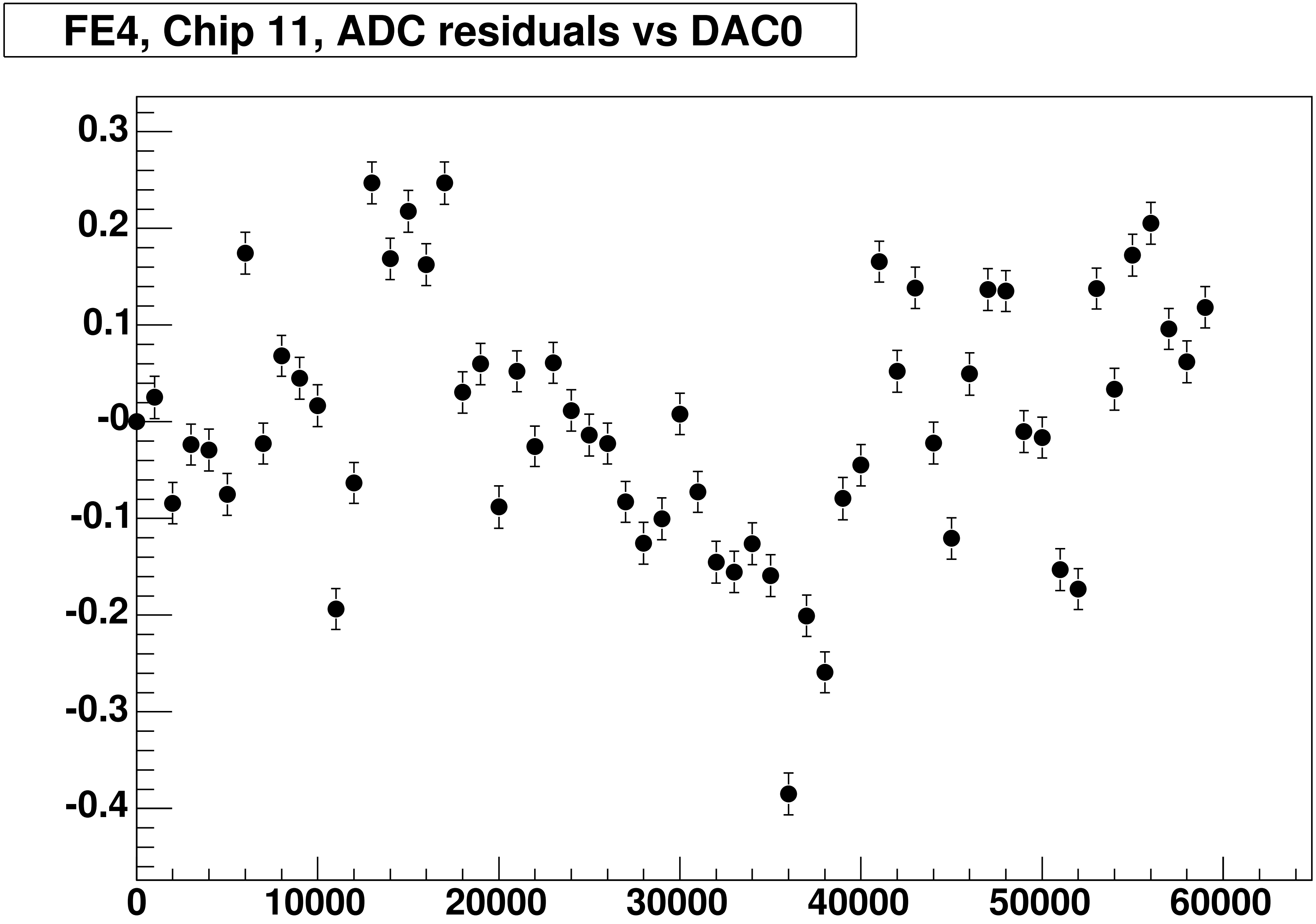

FE4, Chip 10, ADC noise vs DAC1
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000

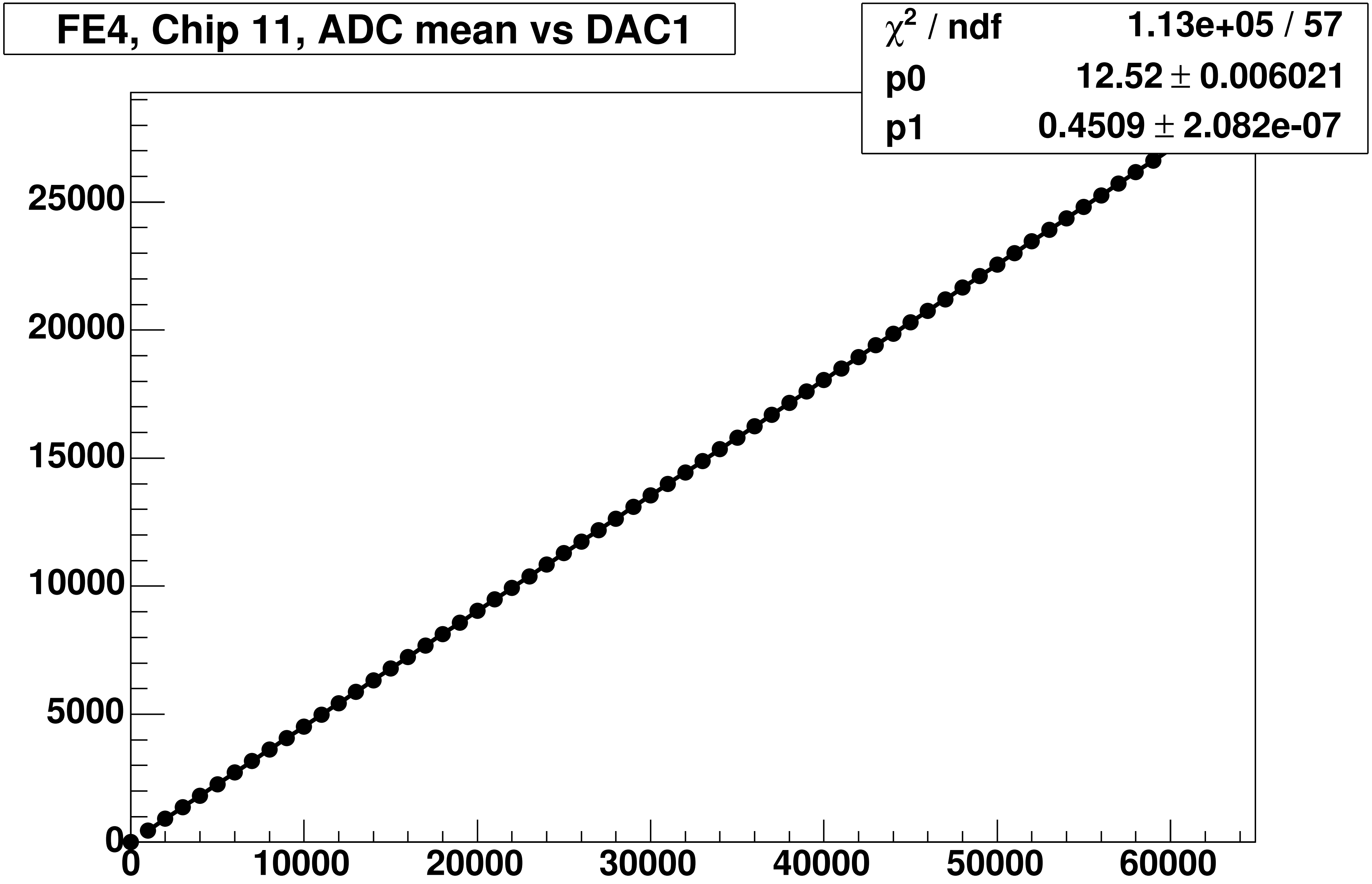

FE4, Chip 10, ADC residuals vs DAC1
6
4
2
0
-2
-4
0
10000
20000
30000
40000
50000
60000

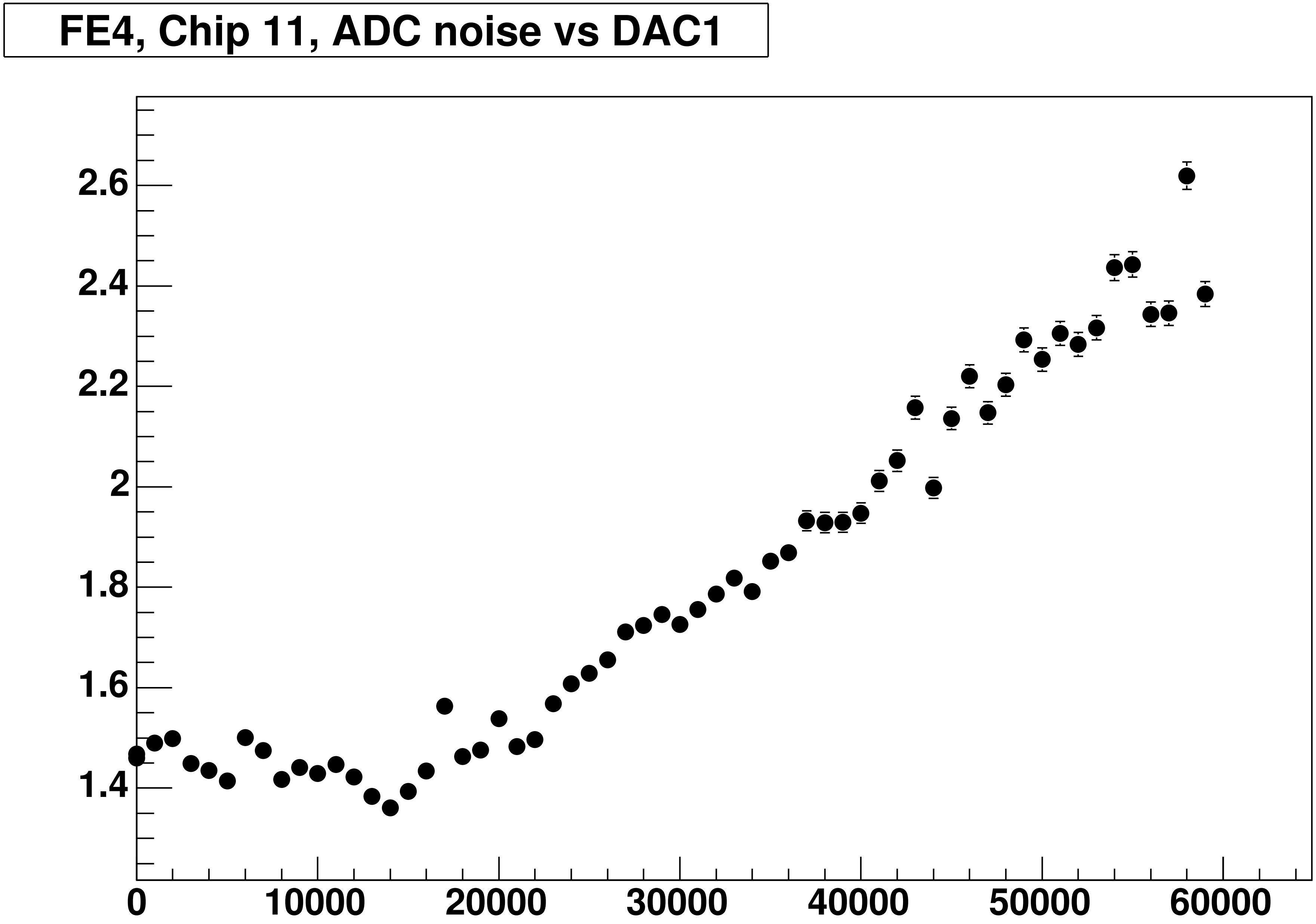


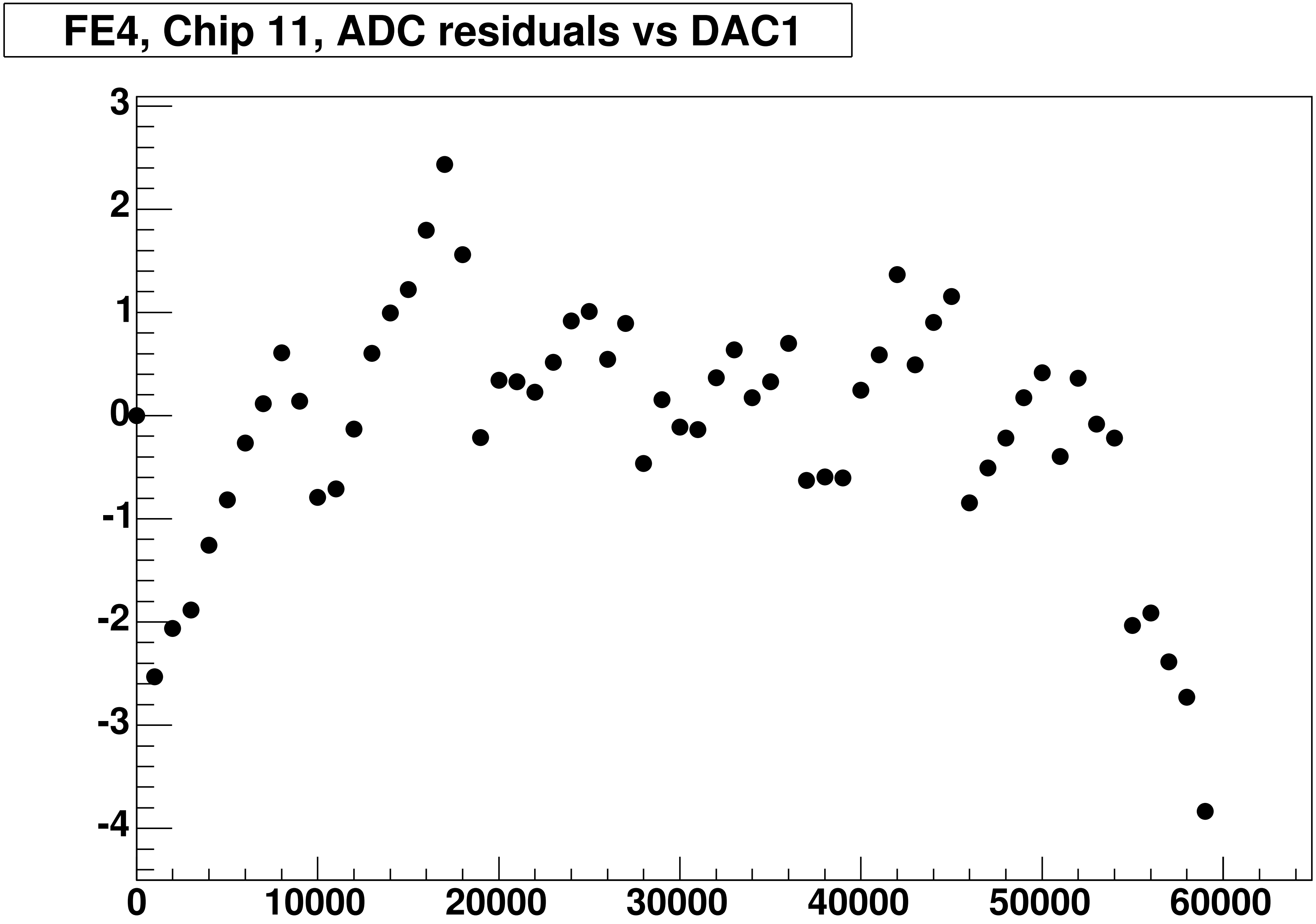
FE4, Chip 11, ADC mean vs DAC0
χ² / ndf 2171 / 57
p0 10.31 ± 0.005653
p1 7.66e-06 ± 1.64e-07
11
10.9
10.8
10.7
10.6
10.5
10.4
10.3
10.2
10.1
0
10000
20000
30000
40000
50000
60000

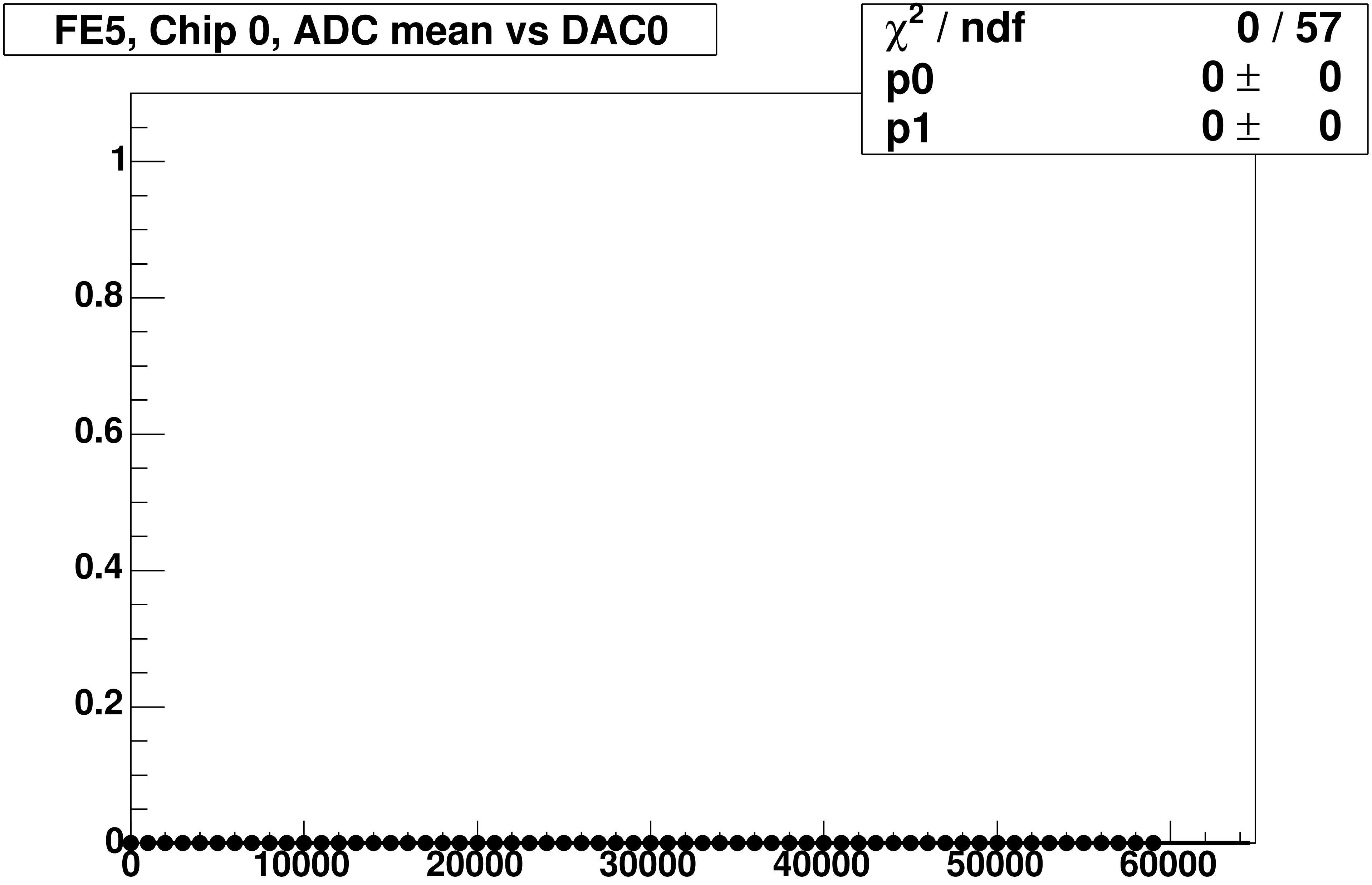

FE4, Chip 11, ADC noise vs DAC0
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE4, Chip 11, ADC residuals vs DAC0
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000

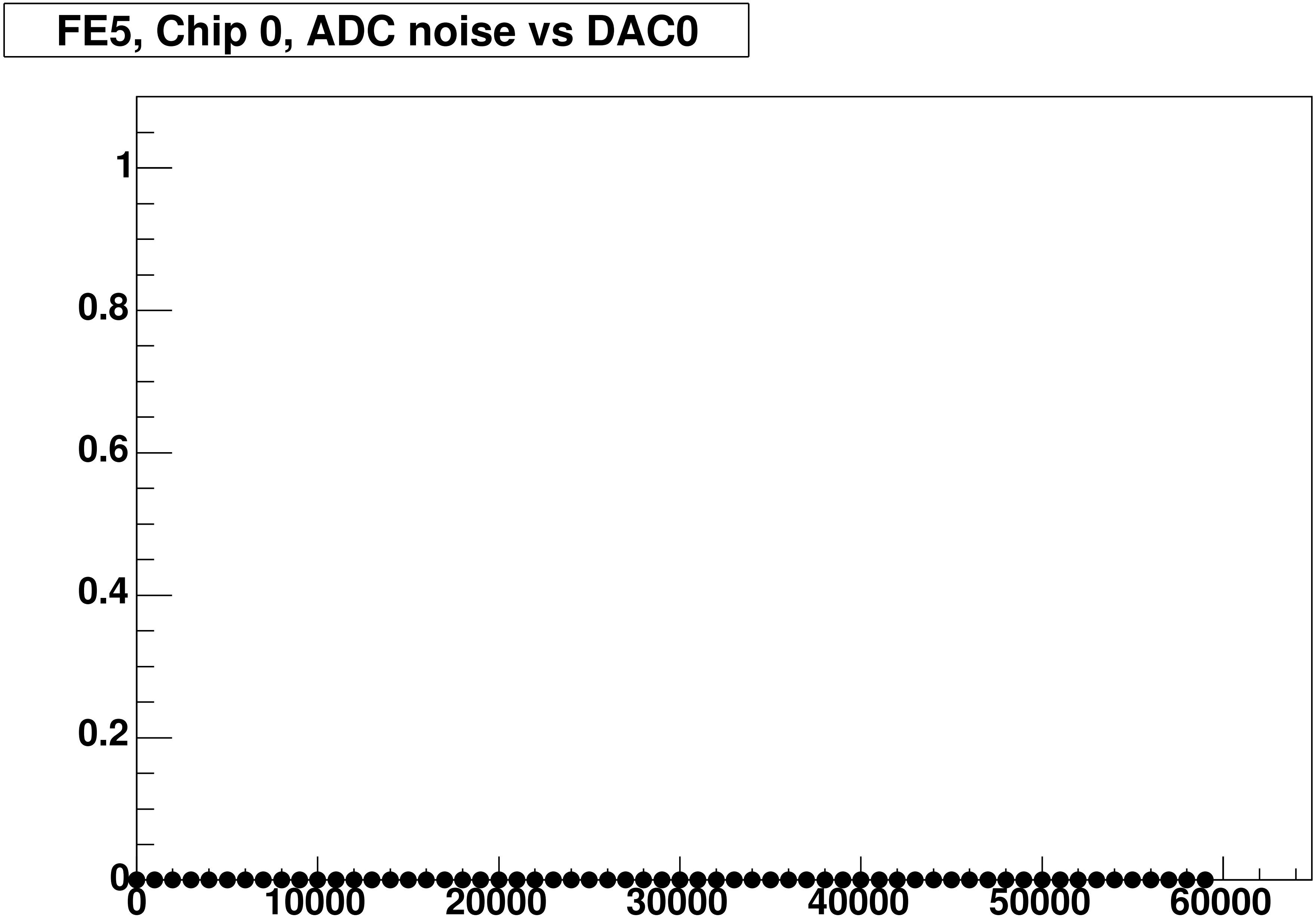

FE4, Chip 11, ADC mean vs DAC1
χ2 / ndf 1.13e+05 / 57
p0 12.52 ± 0.006021
p1 0.4509 ± 2.082e-07
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

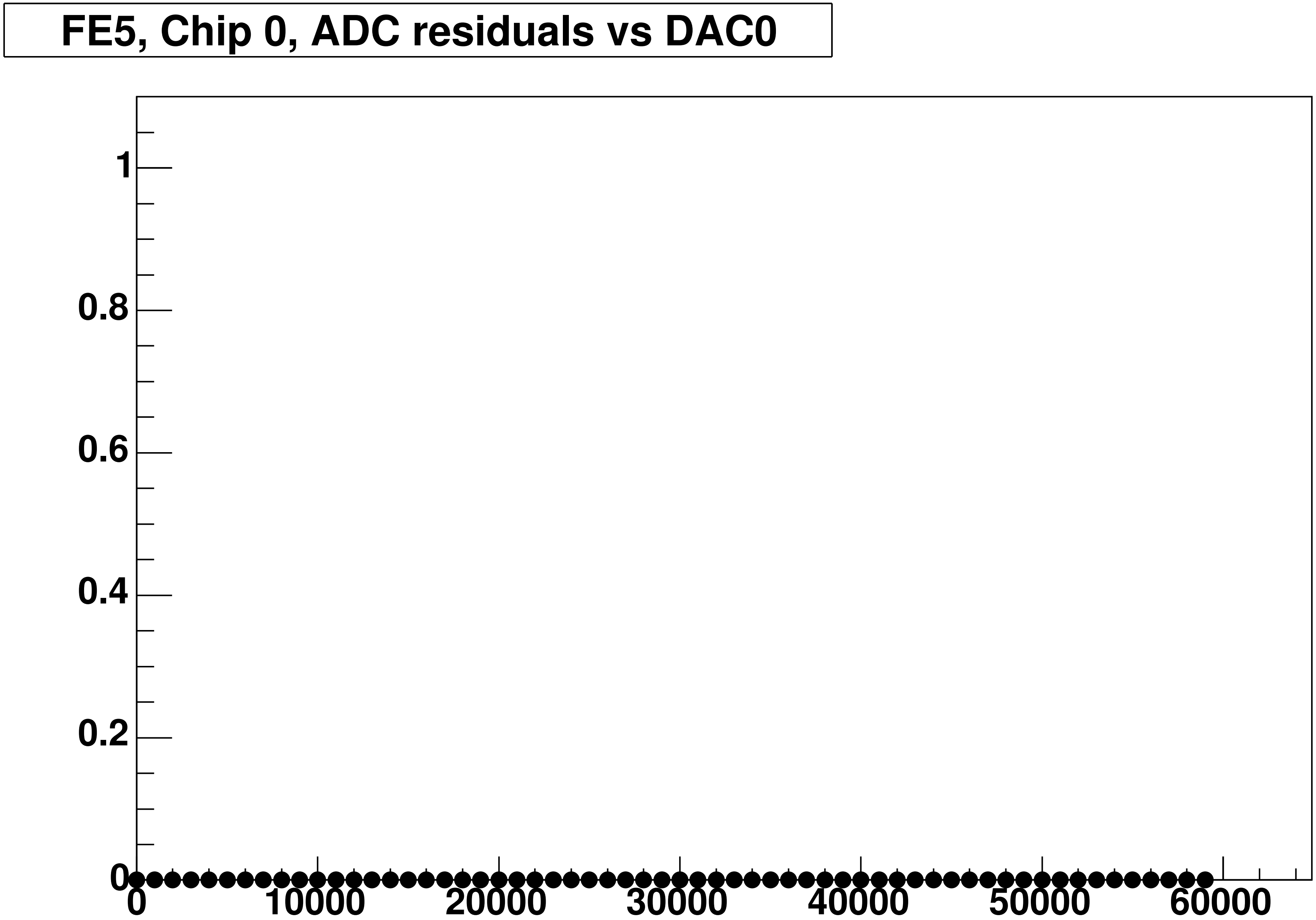

FE4, Chip 11, ADC noise vs DAC1
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

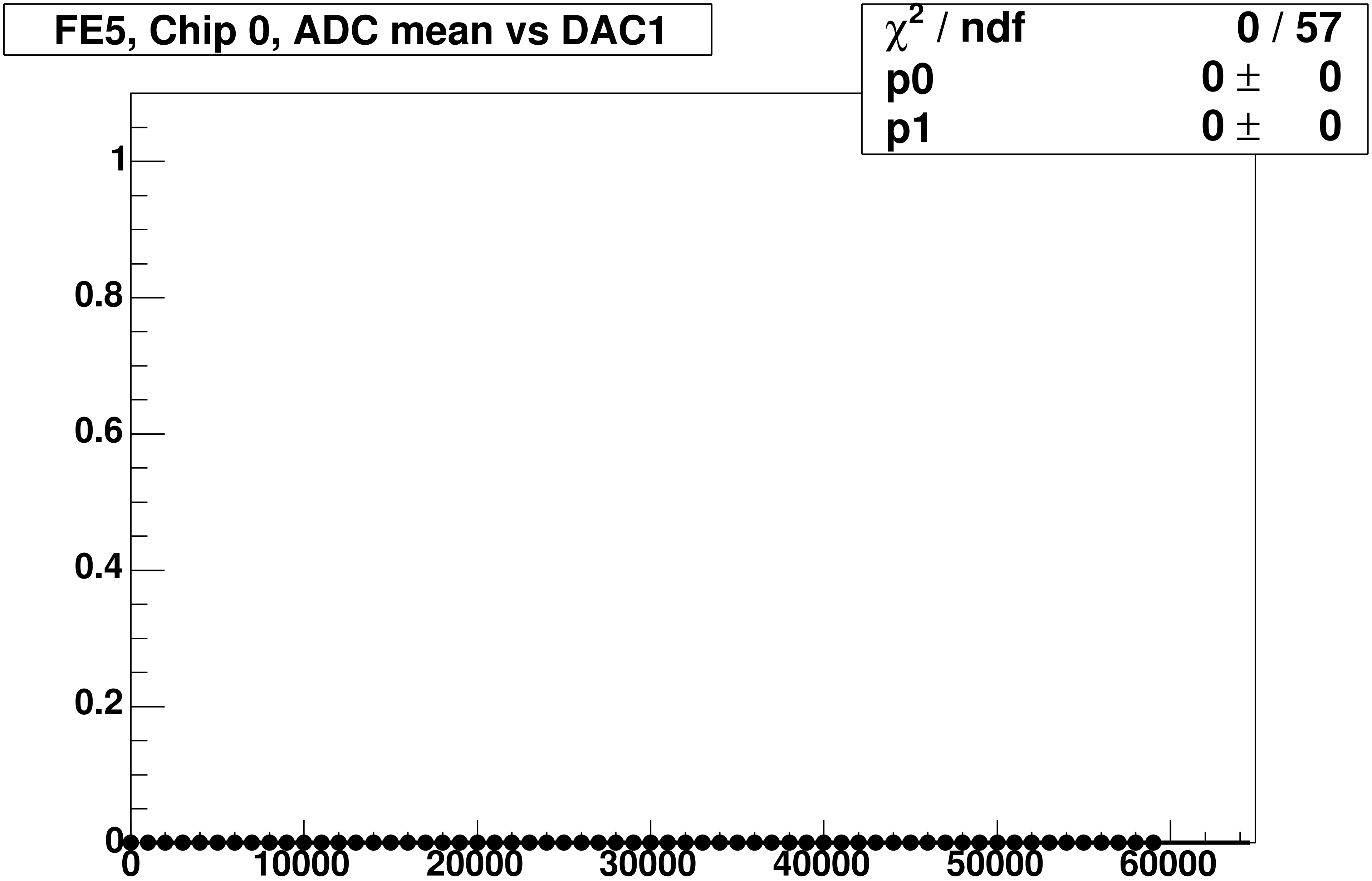

FE4, Chip 11, ADC residuals vs DAC1
3
2
1
0
-1
-2
-3
-4
0
10000
20000
30000
40000
50000
60000

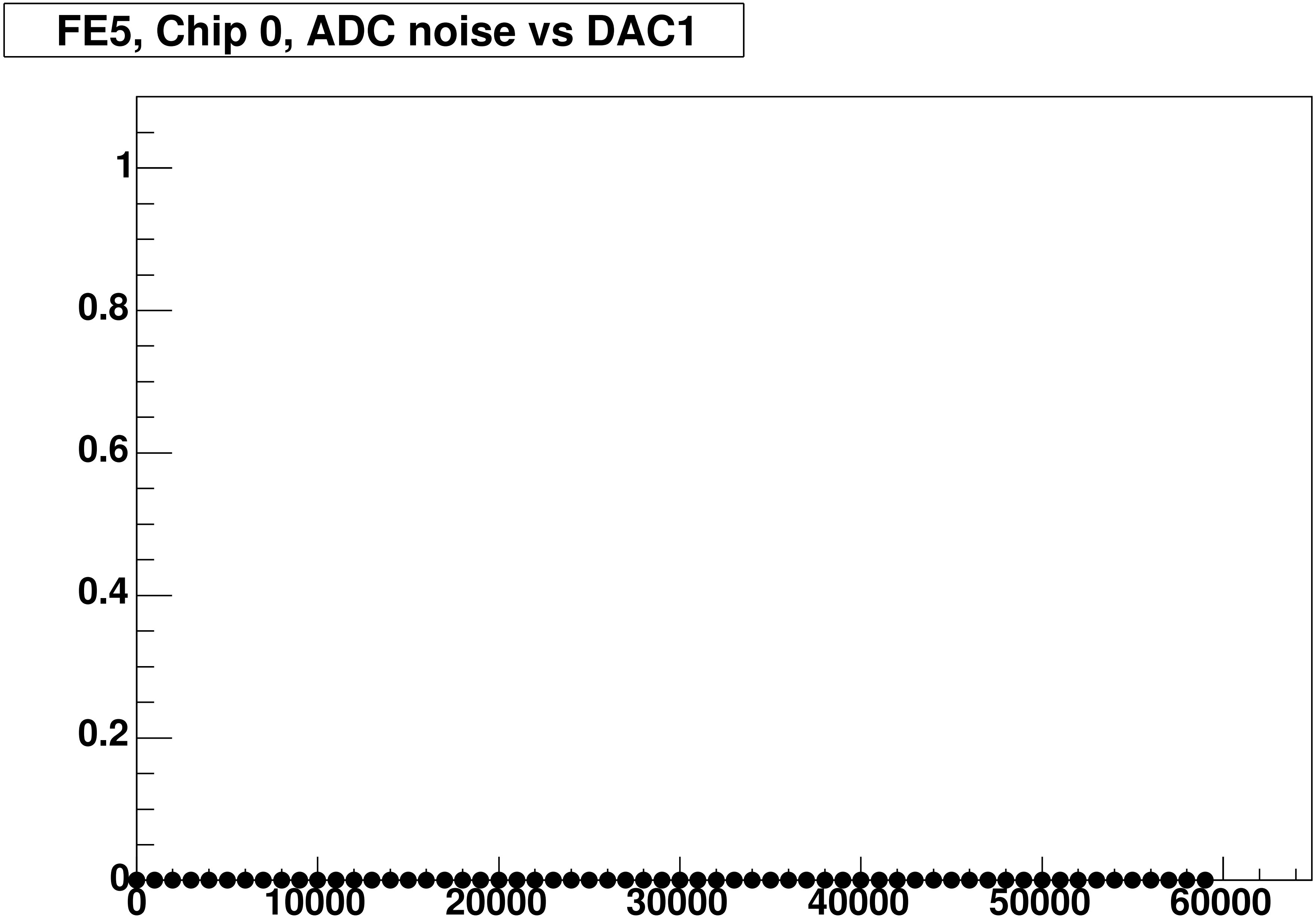


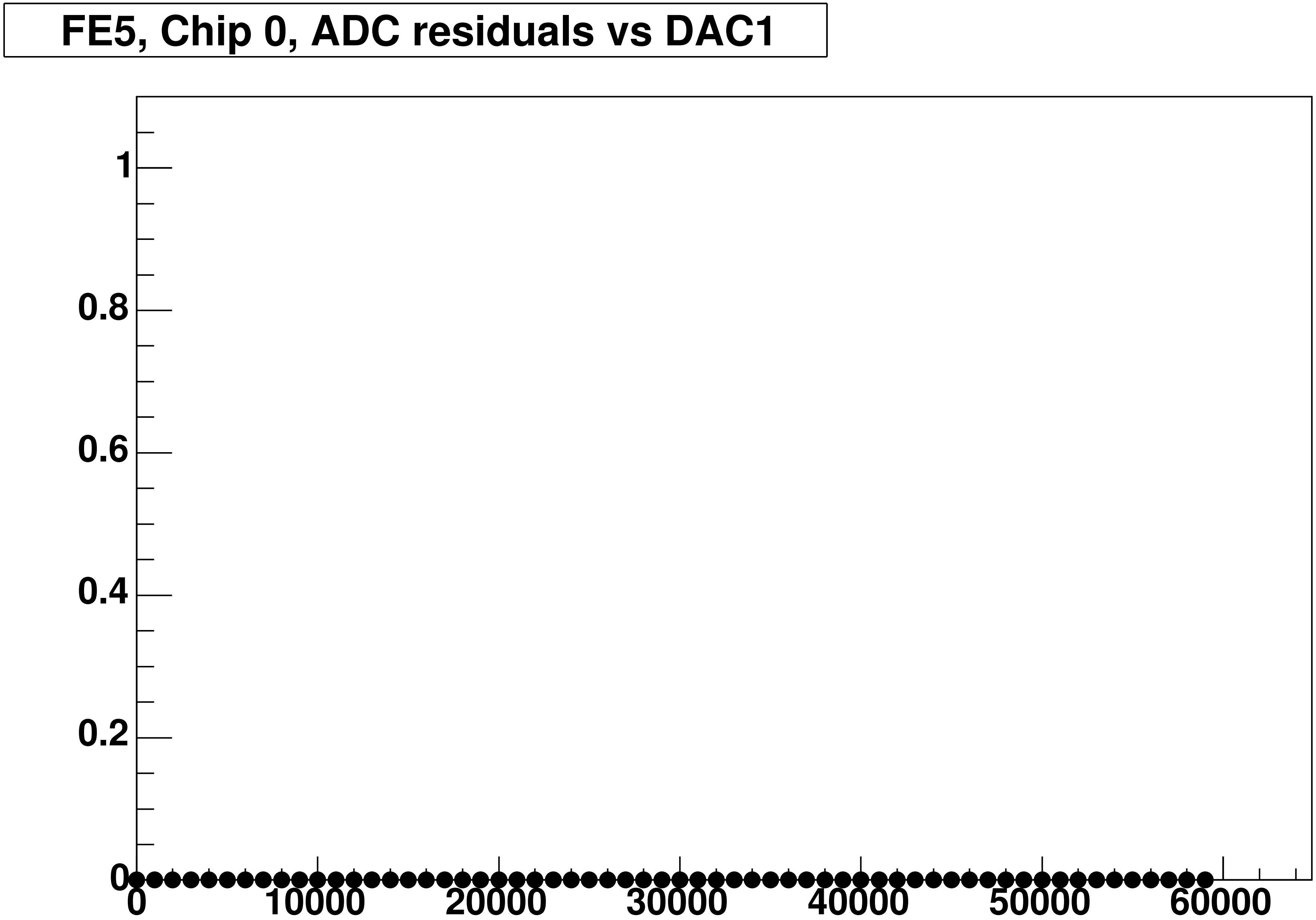
FE5, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

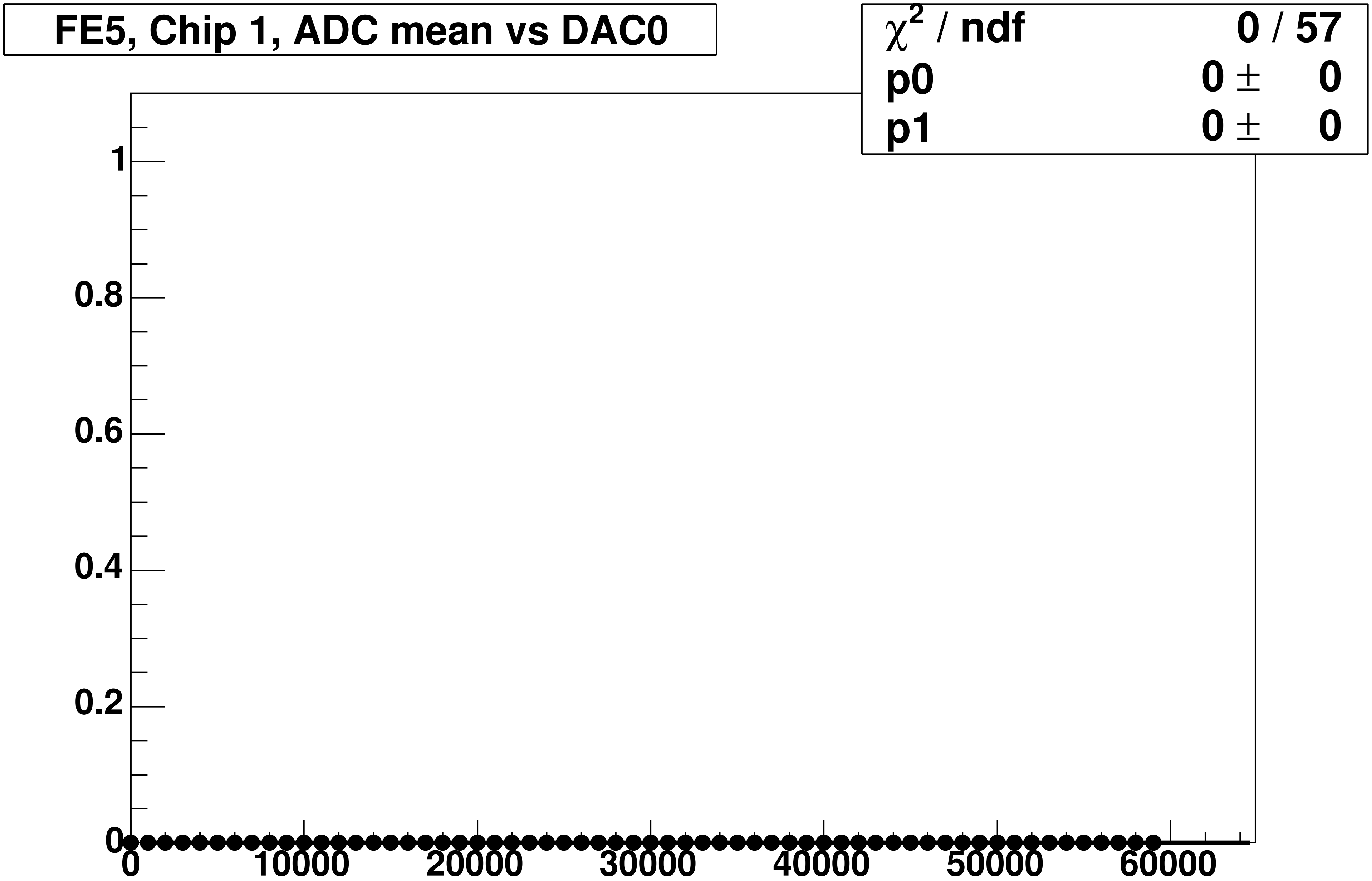

FE5, Chip 0, ADC noise vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000


FE5, Chip 0, ADC residuals vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

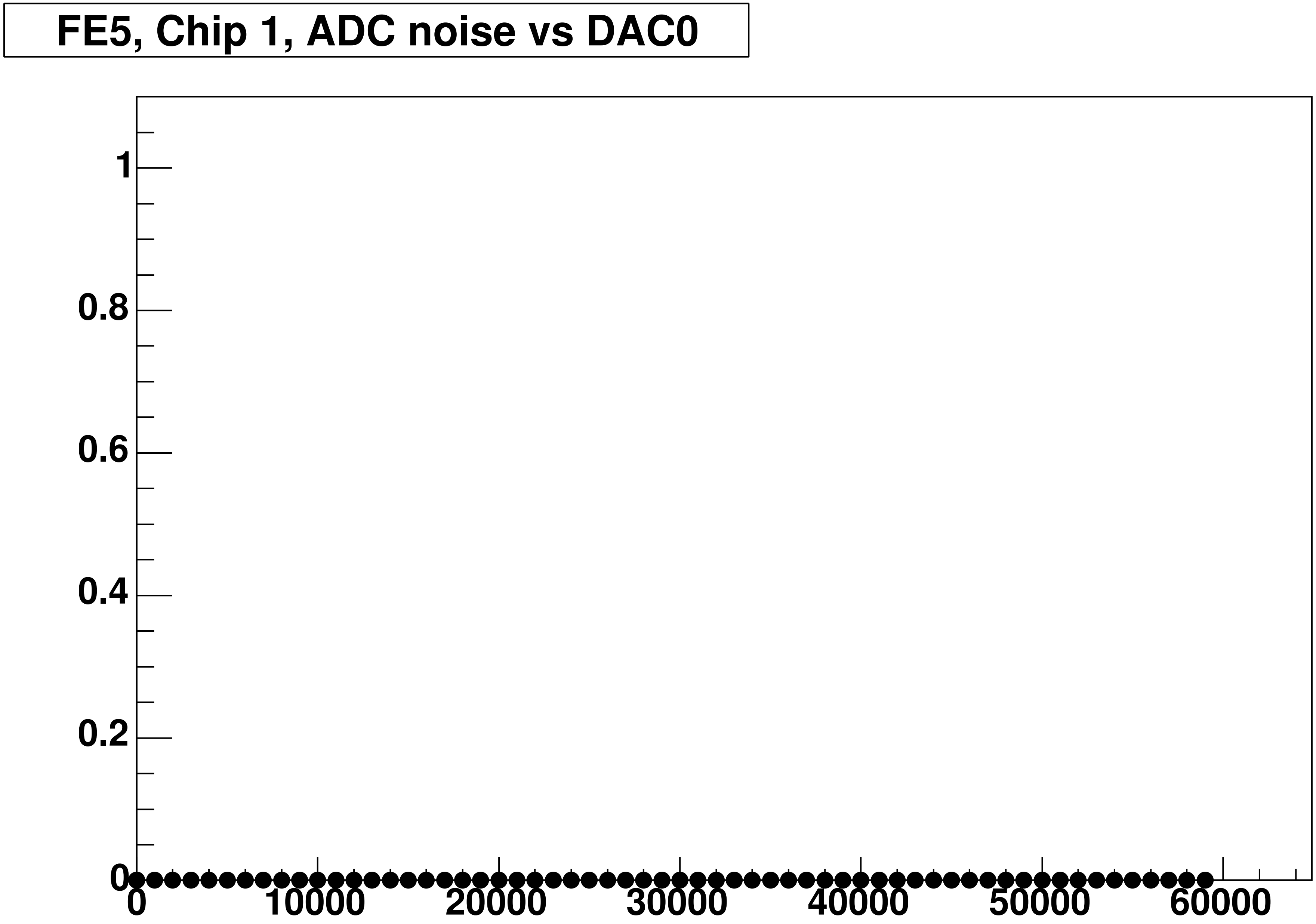

FE5, Chip 0, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

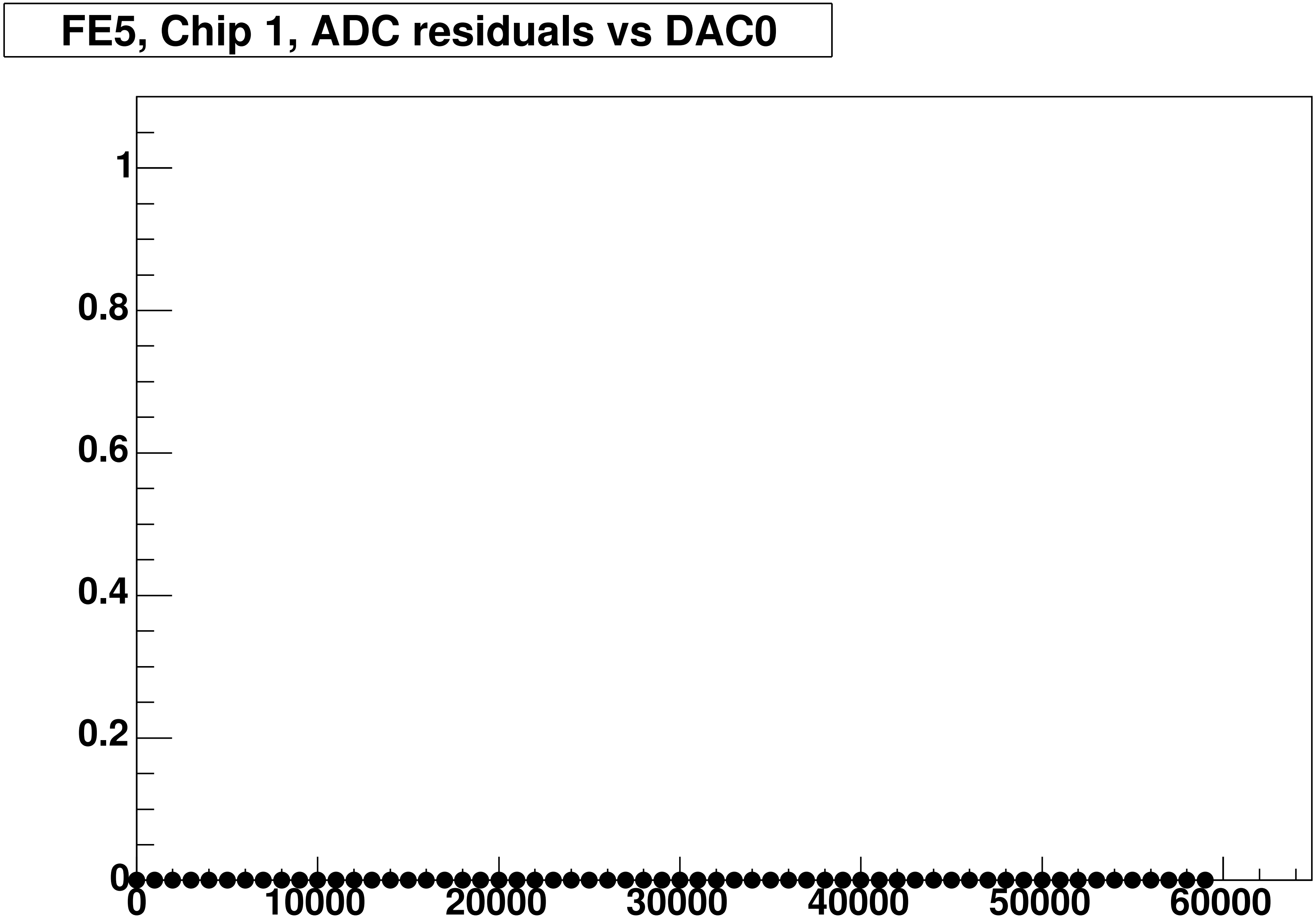

FE5, Chip 0, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 0, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

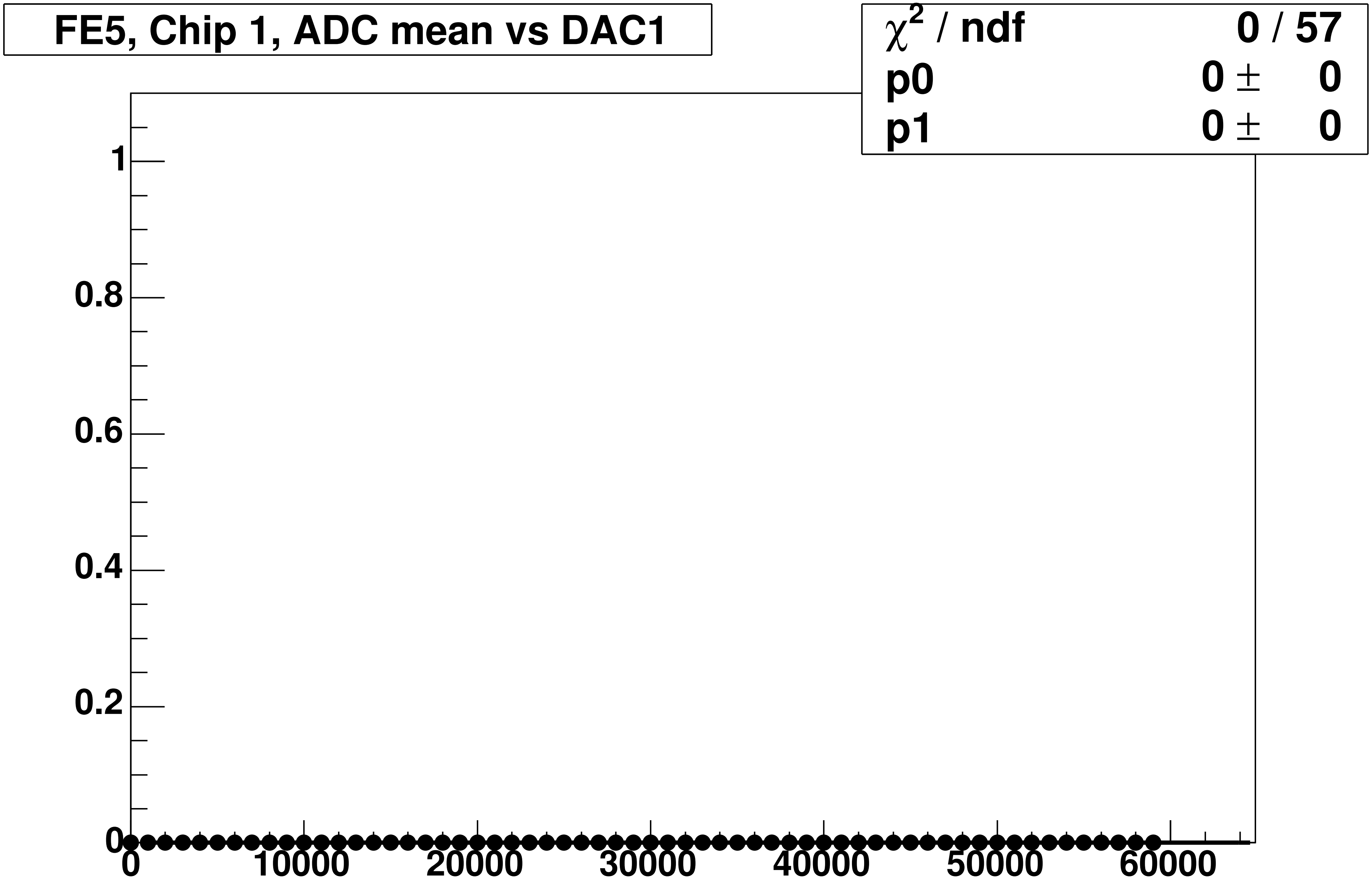


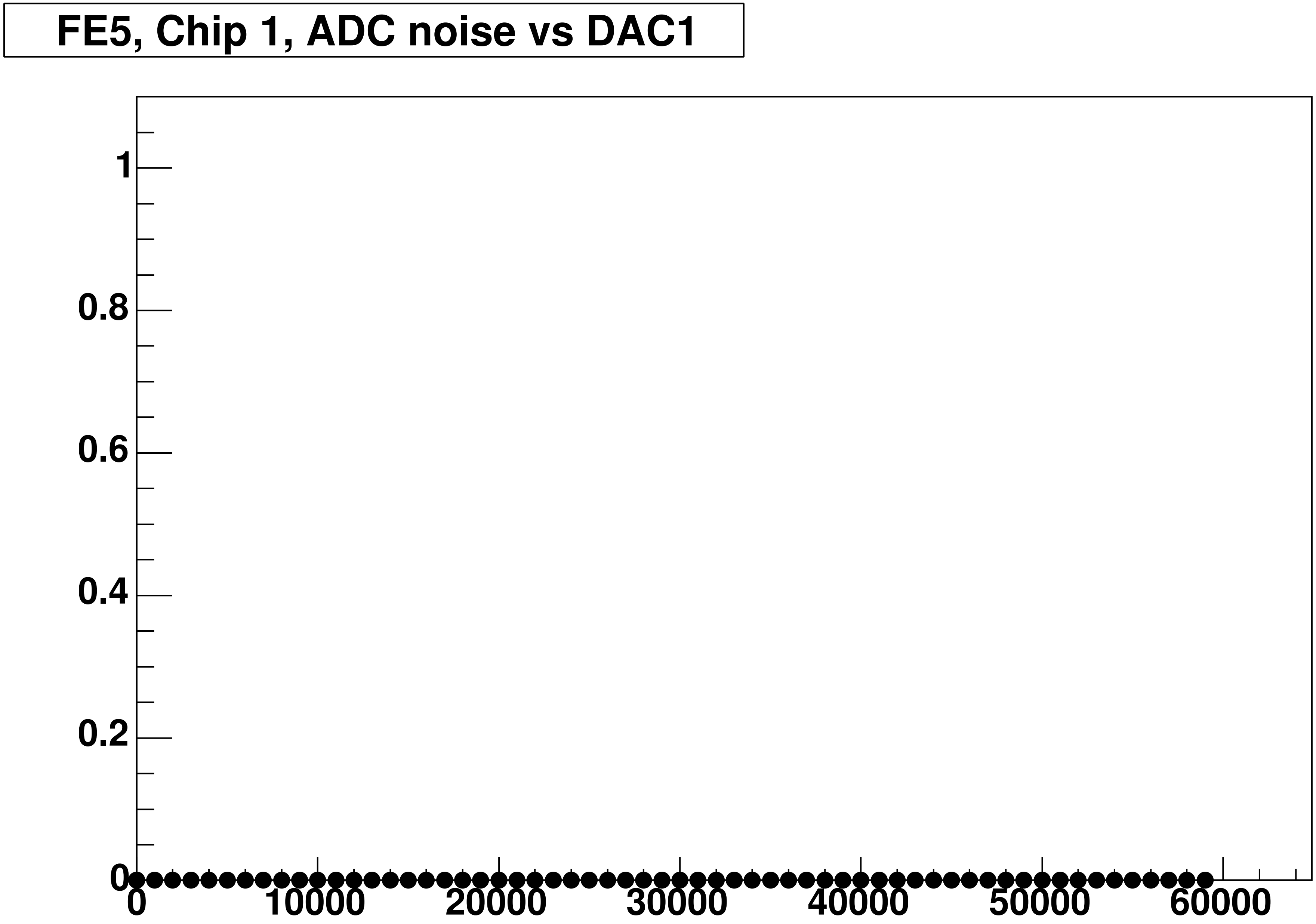
FE5, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

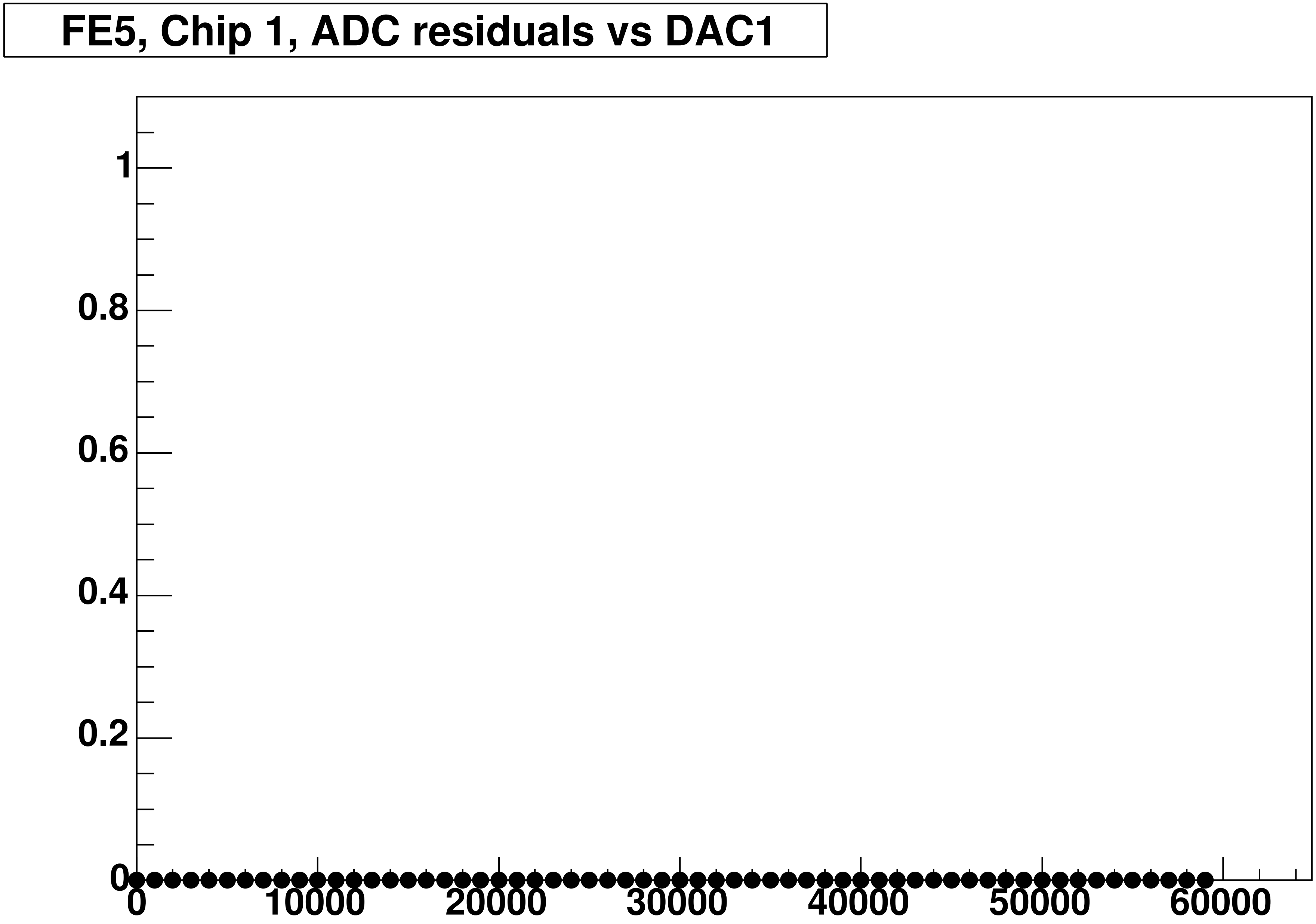

FE5, Chip 1, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

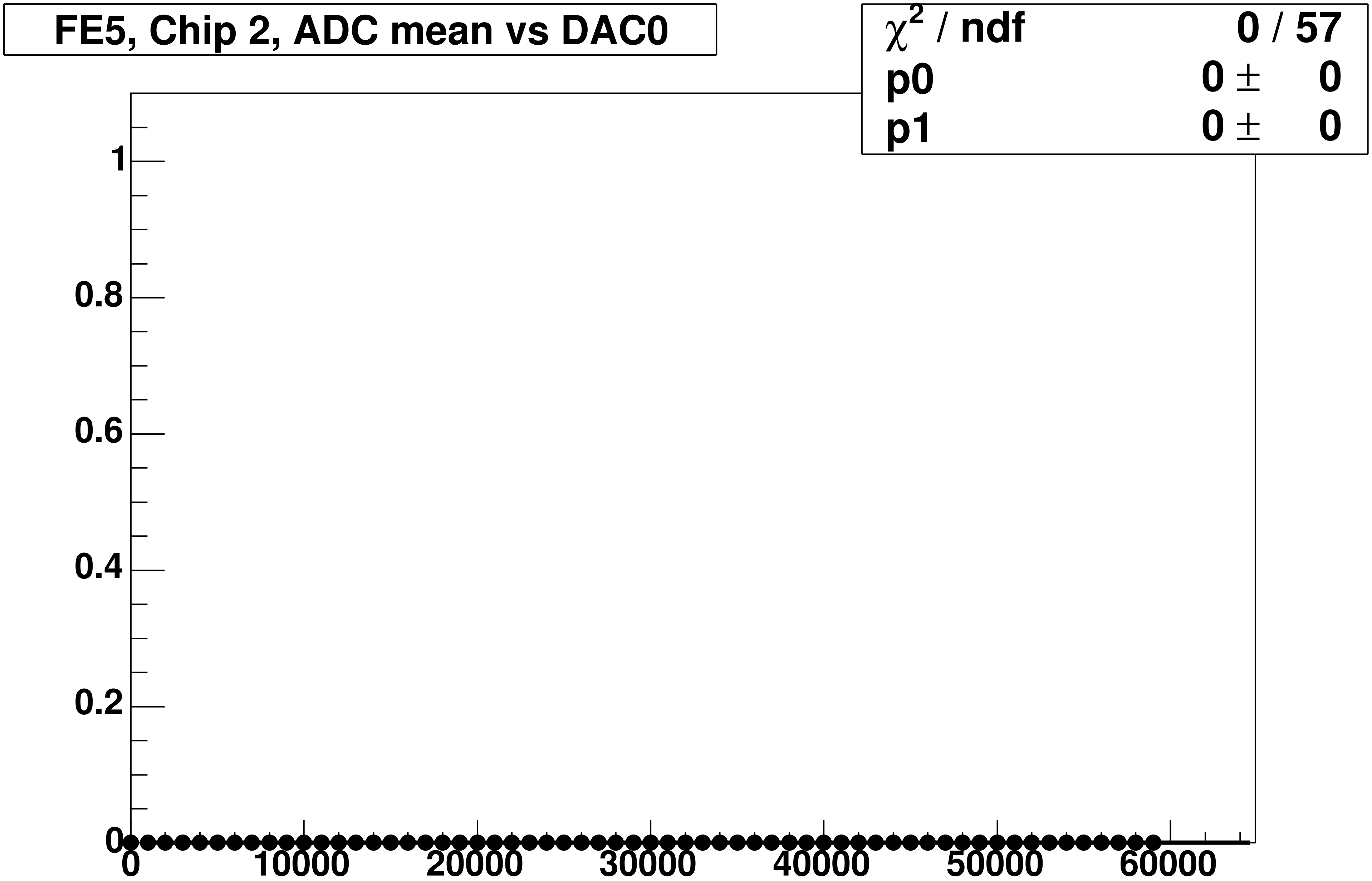


FE5, Chip 1, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 1, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

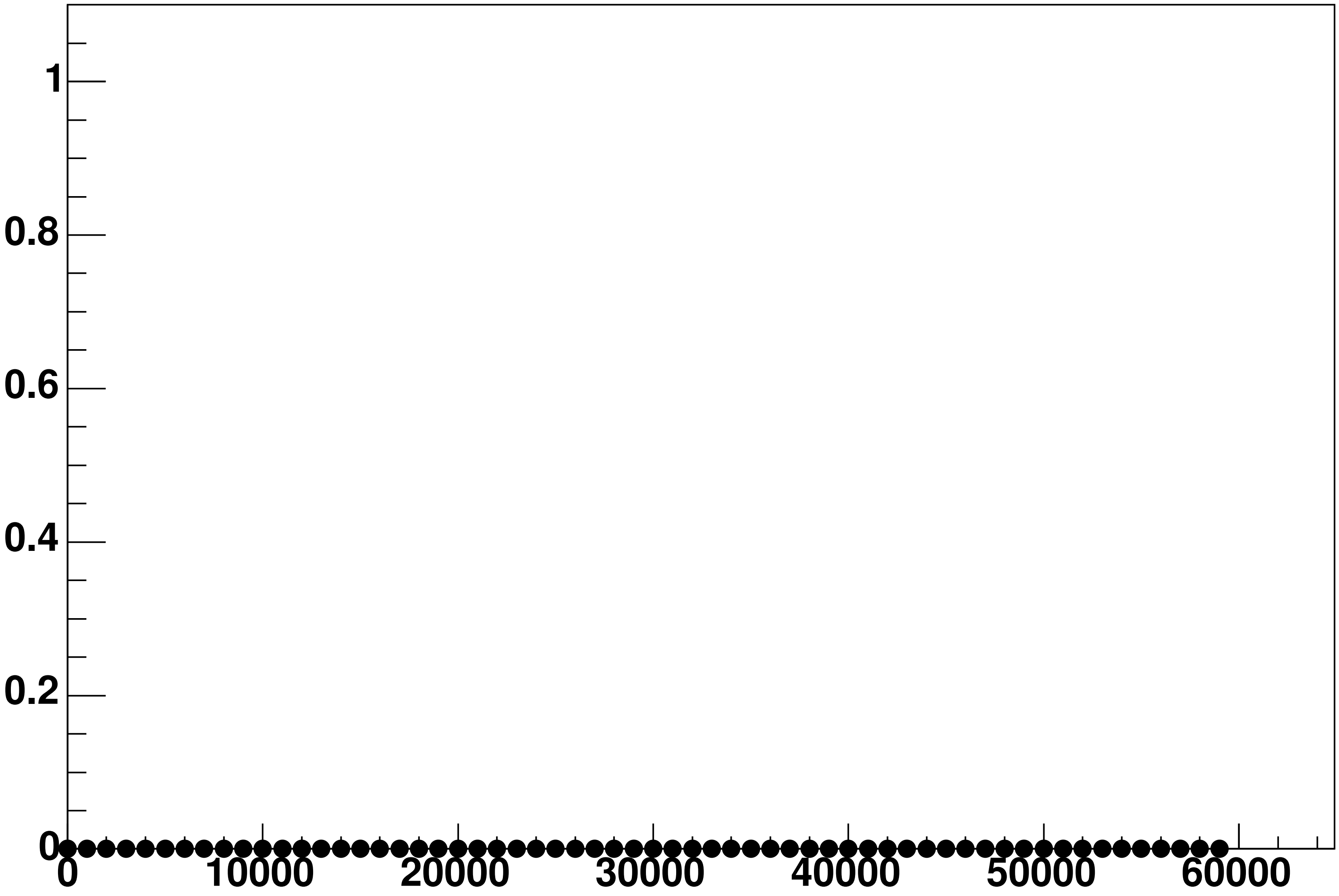

FE5, Chip 1, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 1, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

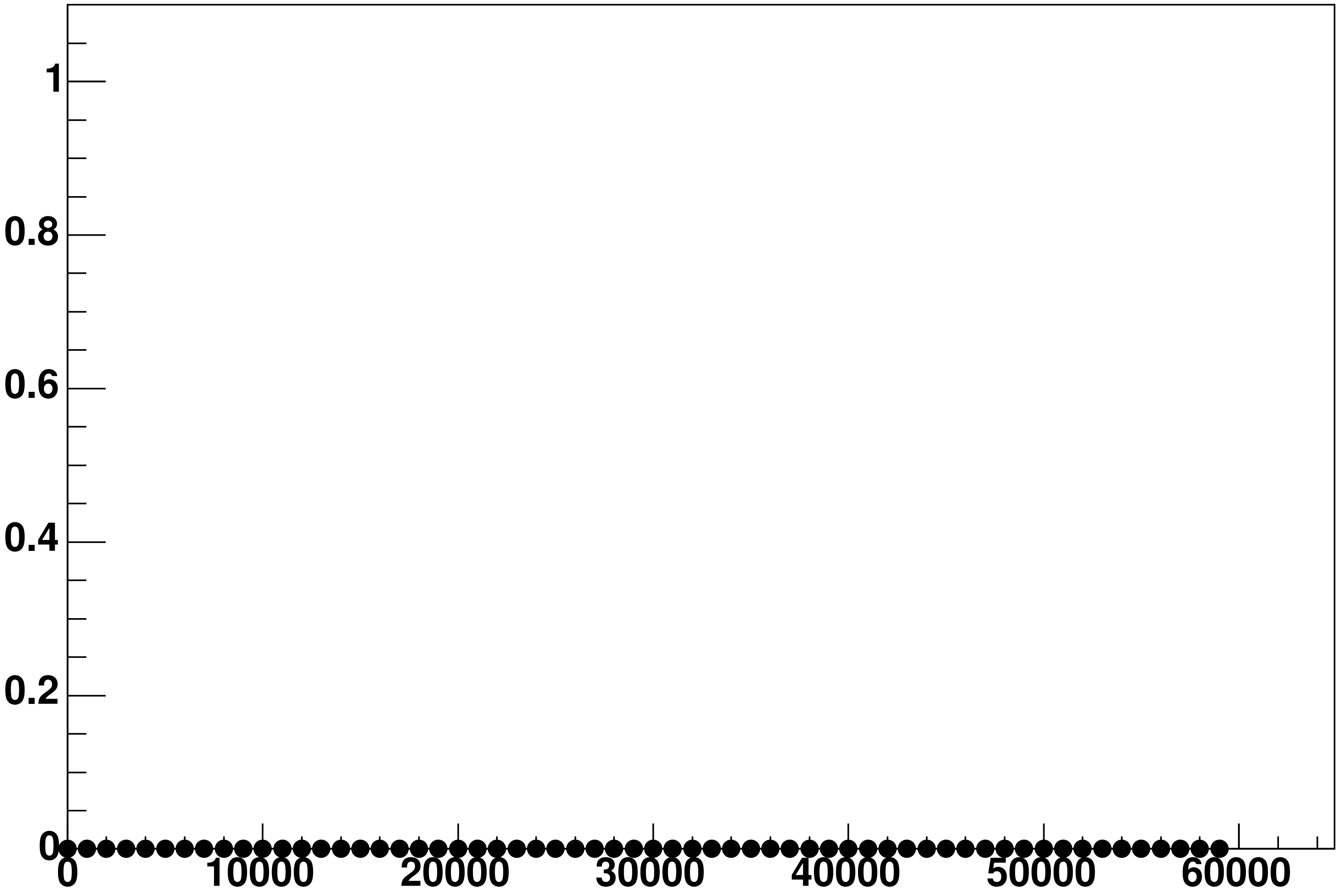


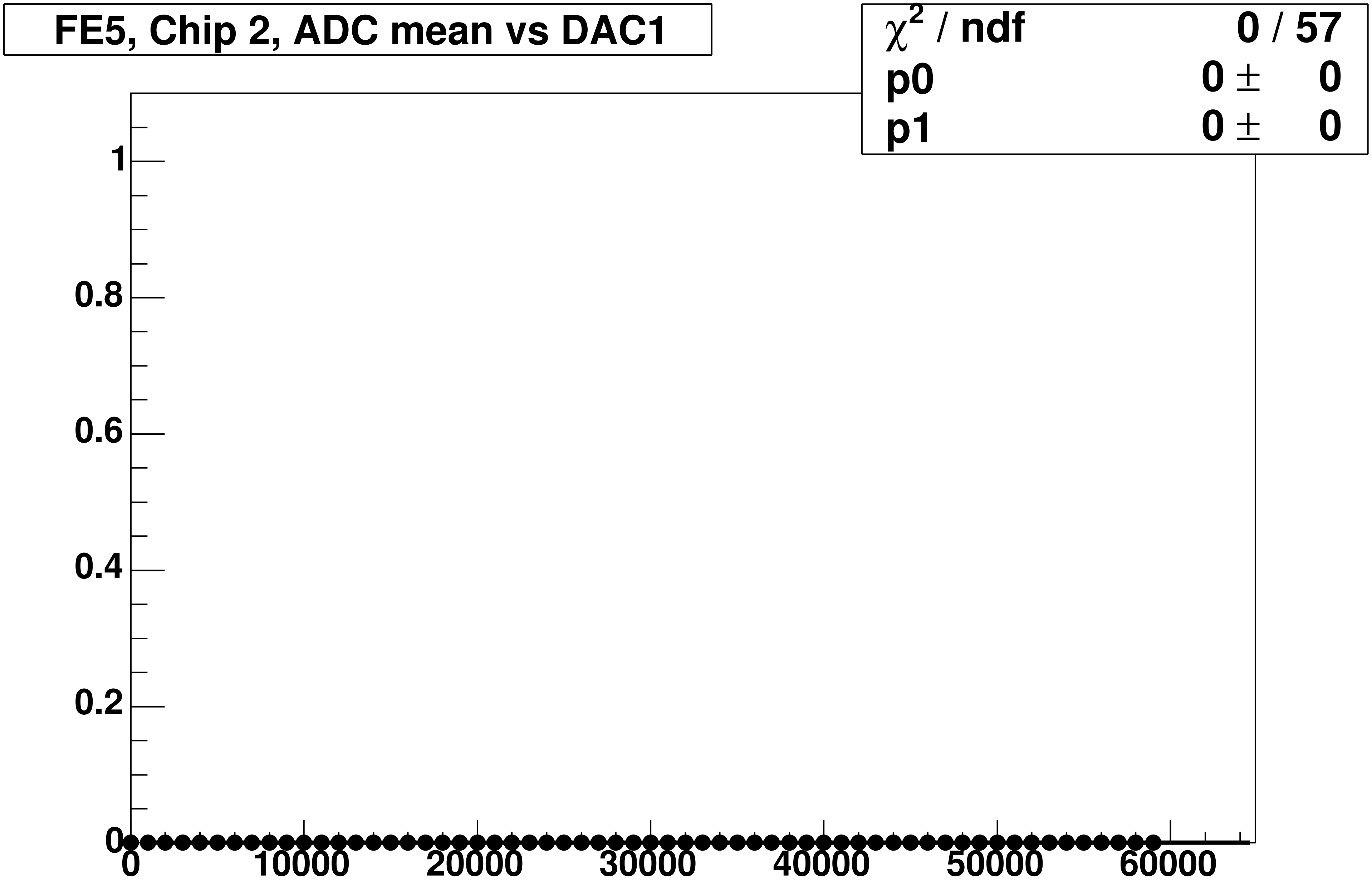
FE5, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

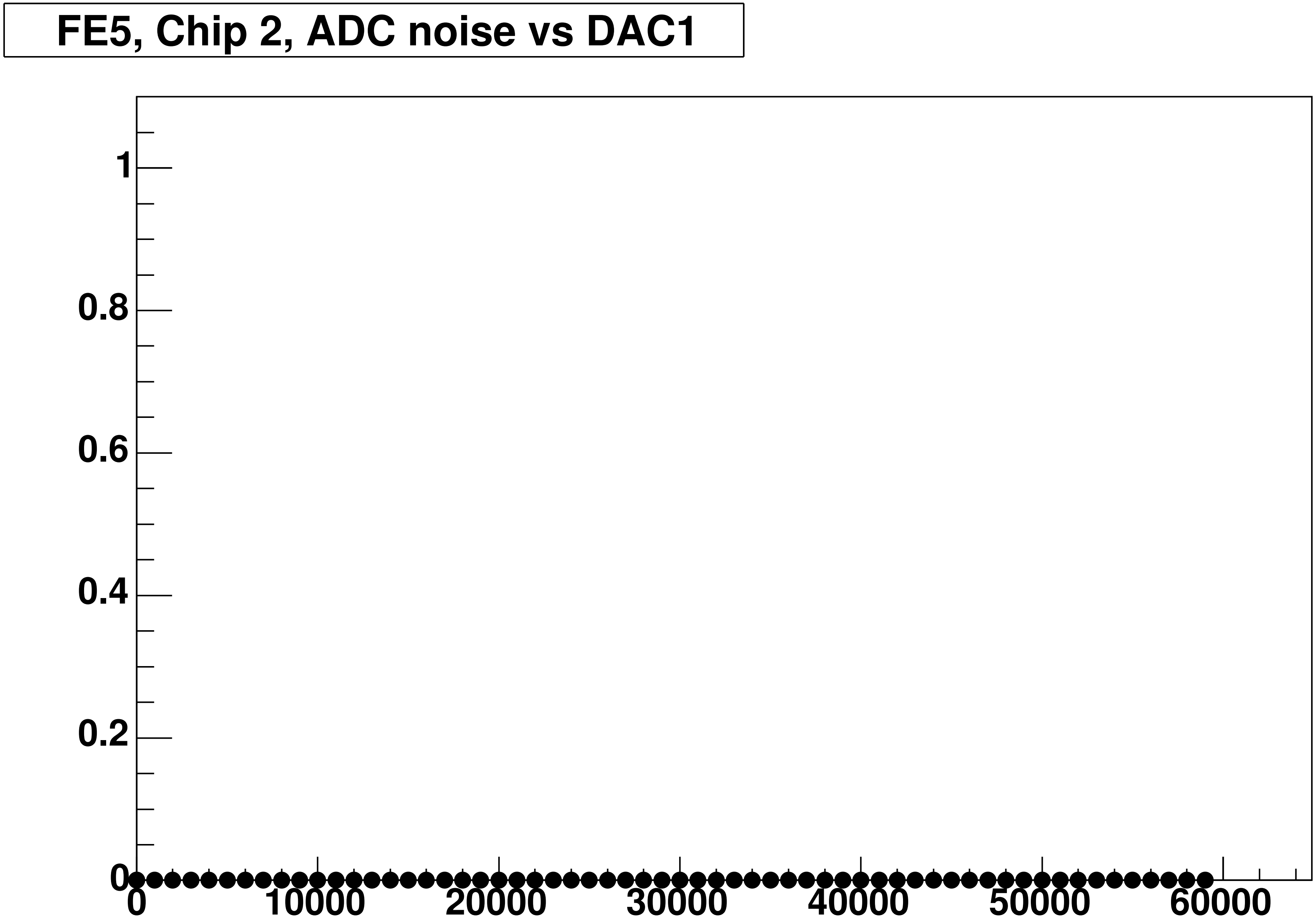
FE5, Chip 2, ADC noise vs DAC0

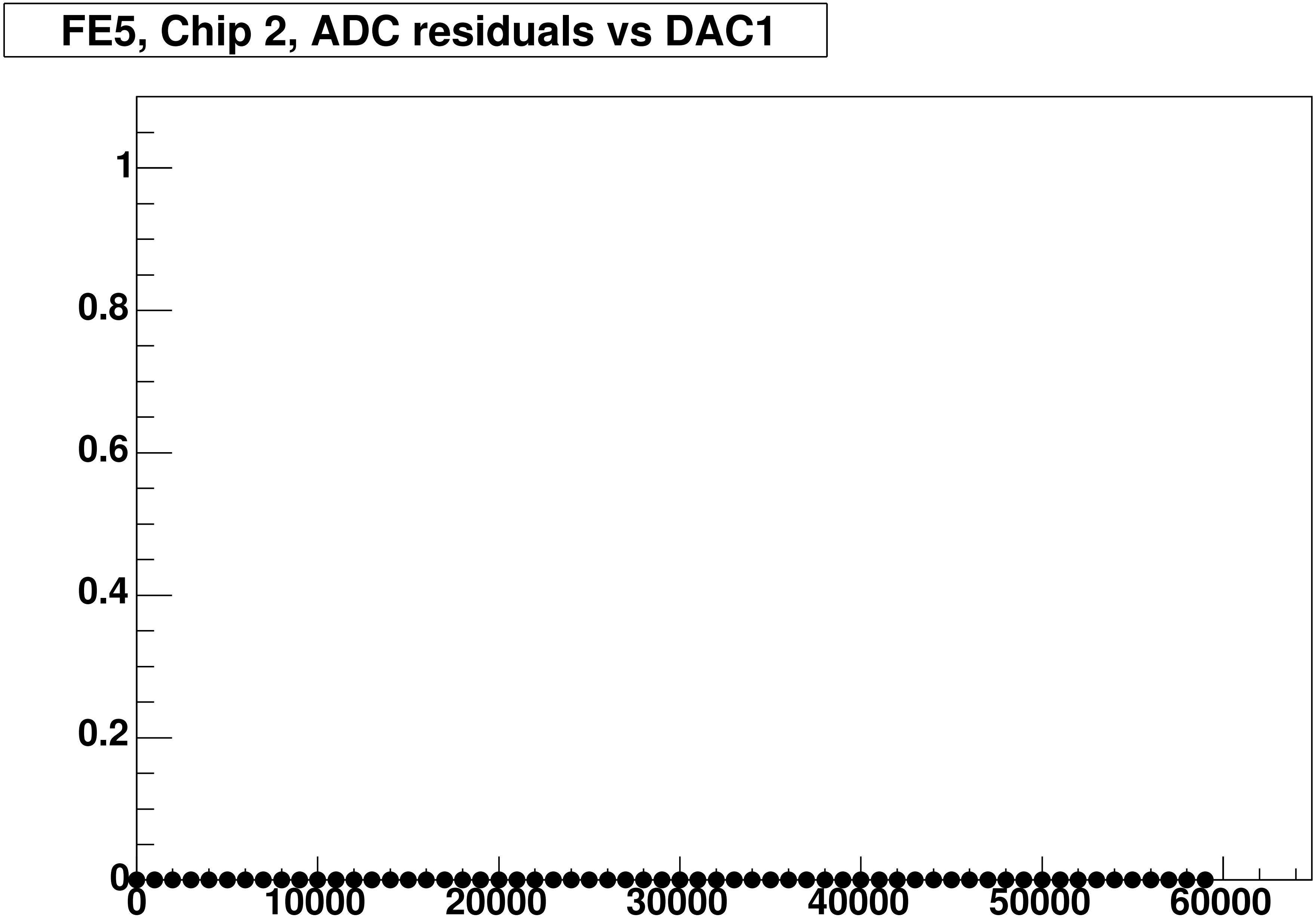


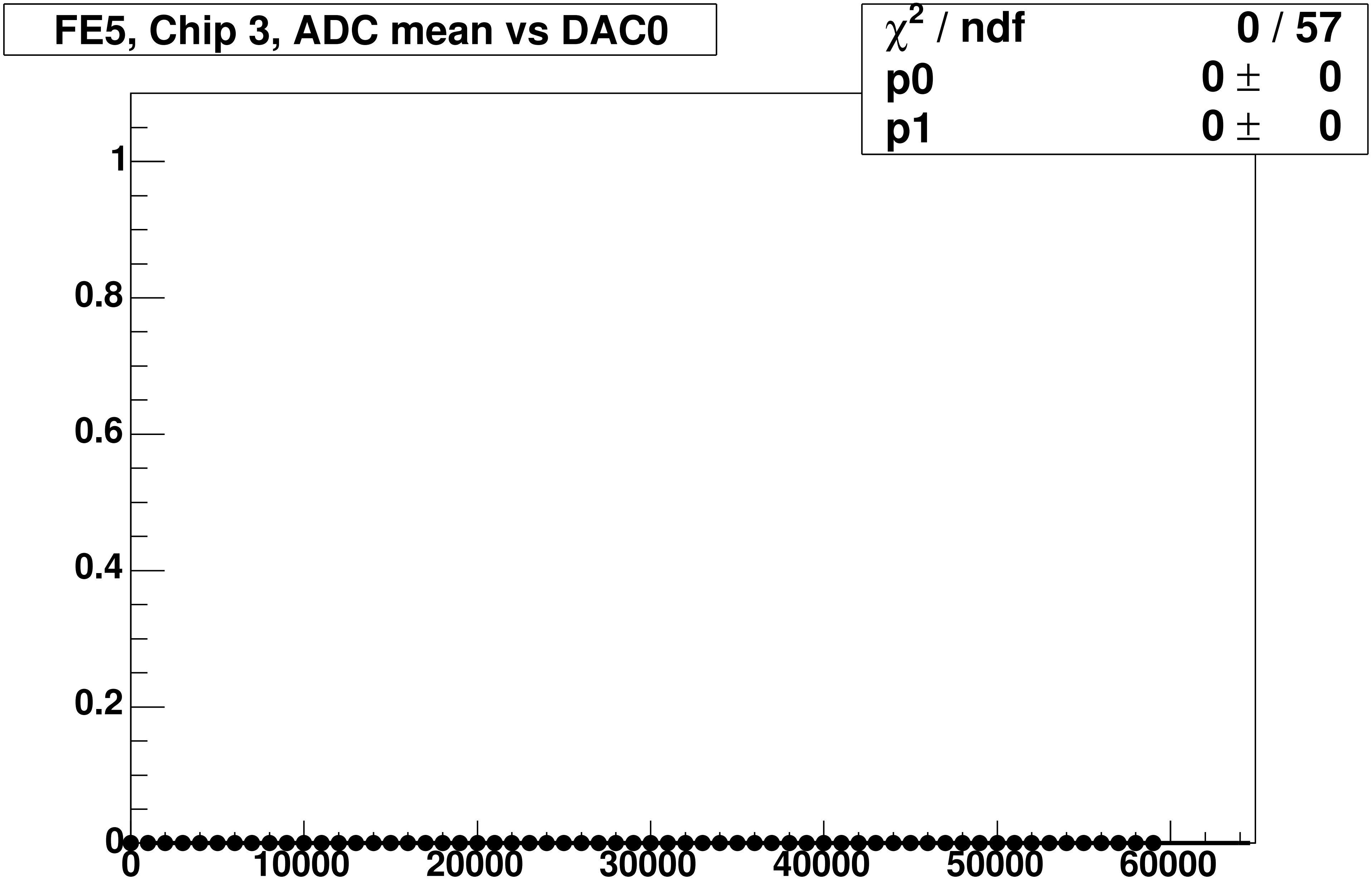
FE5, Chip 2, ADC residuals vs DAC0

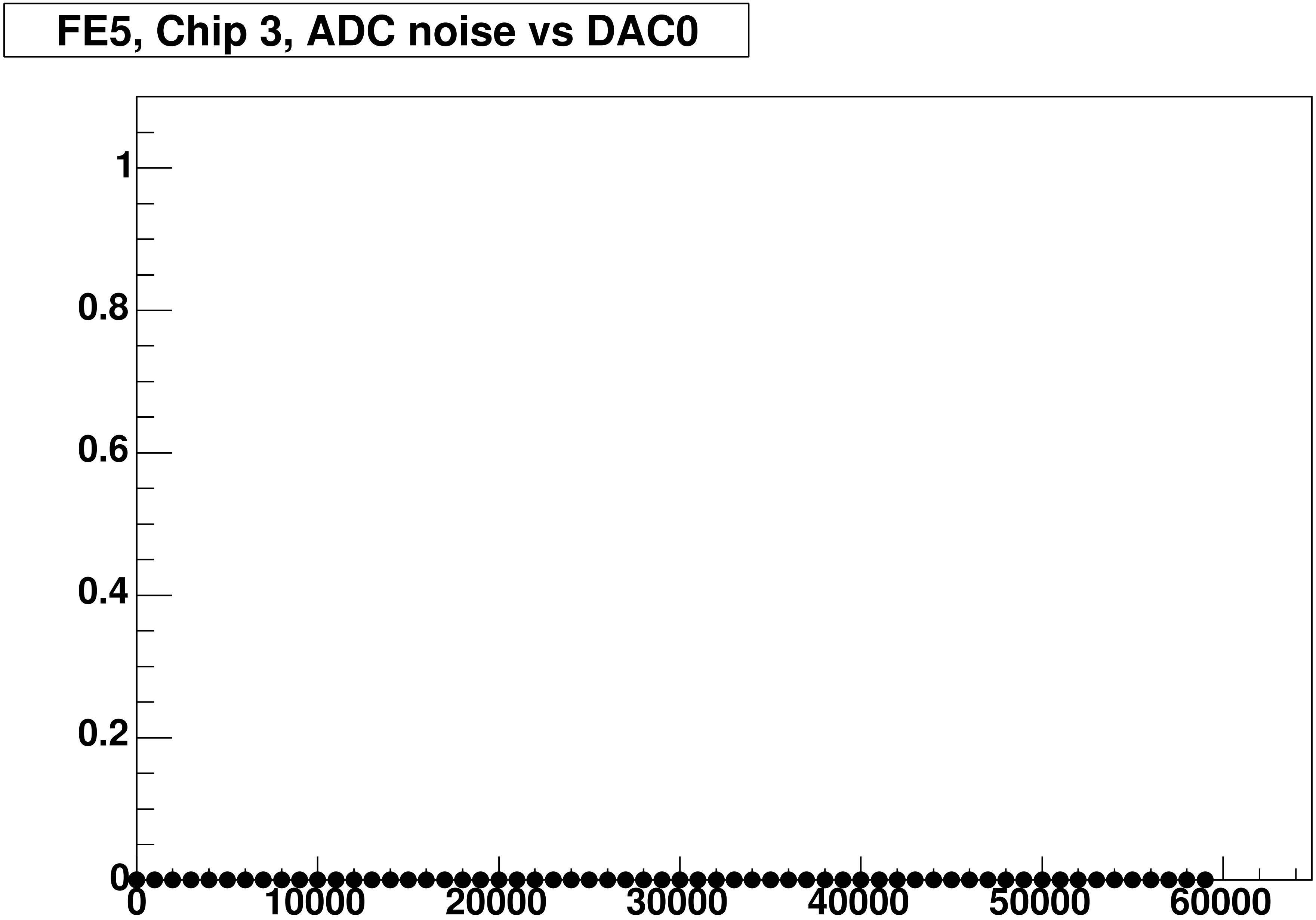


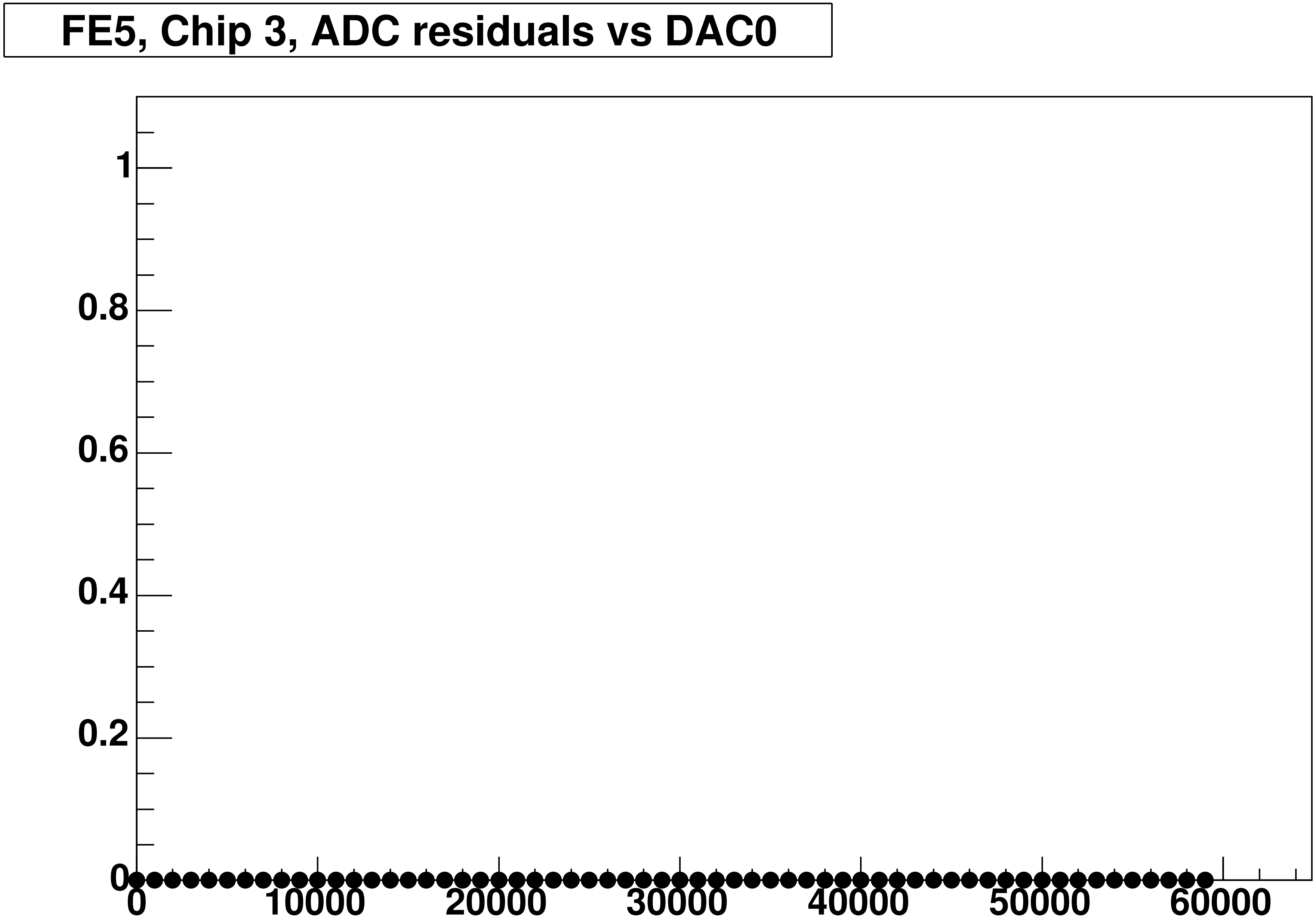

FE5, Chip 2, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

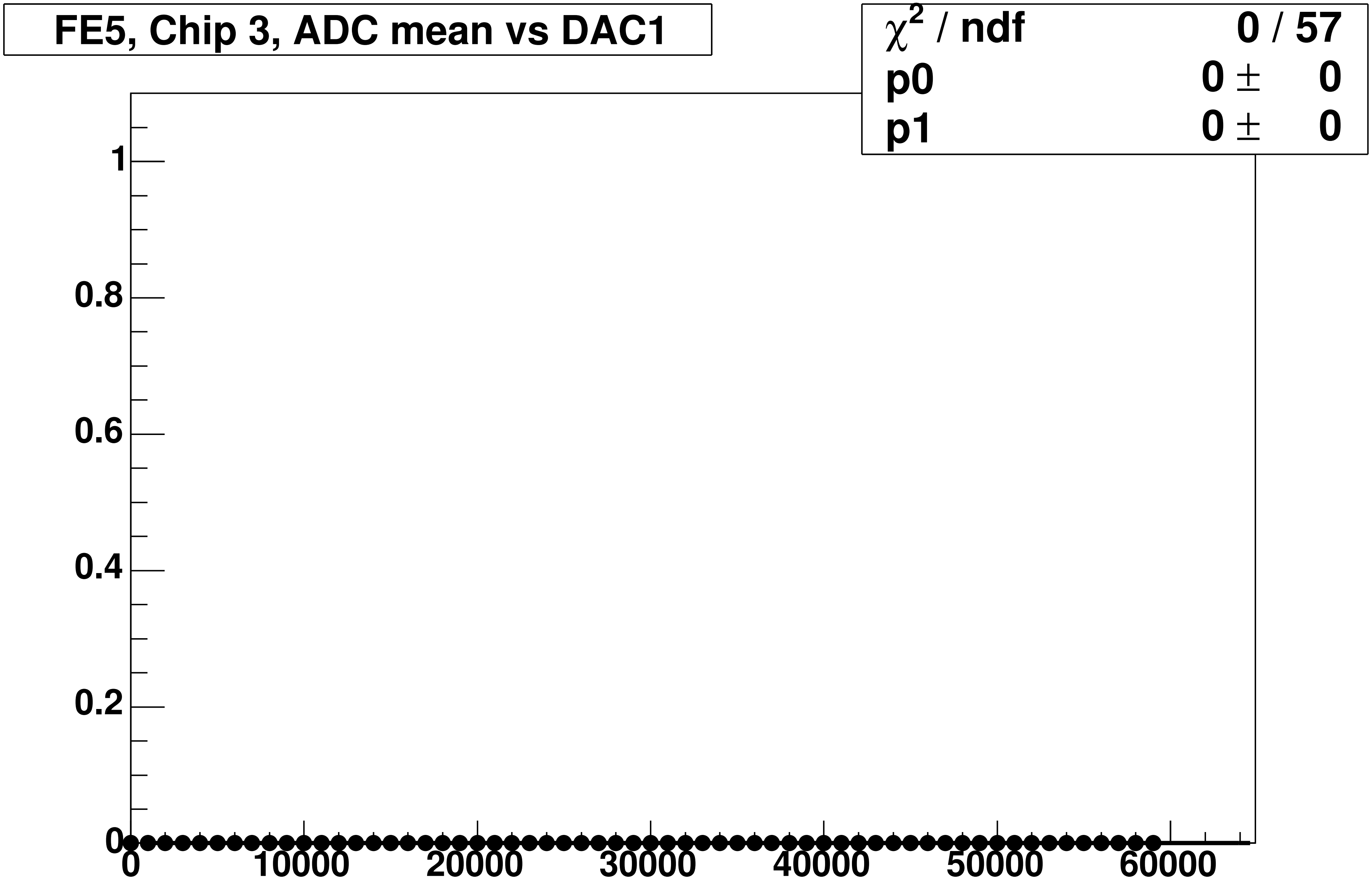

FE5, Chip 2, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

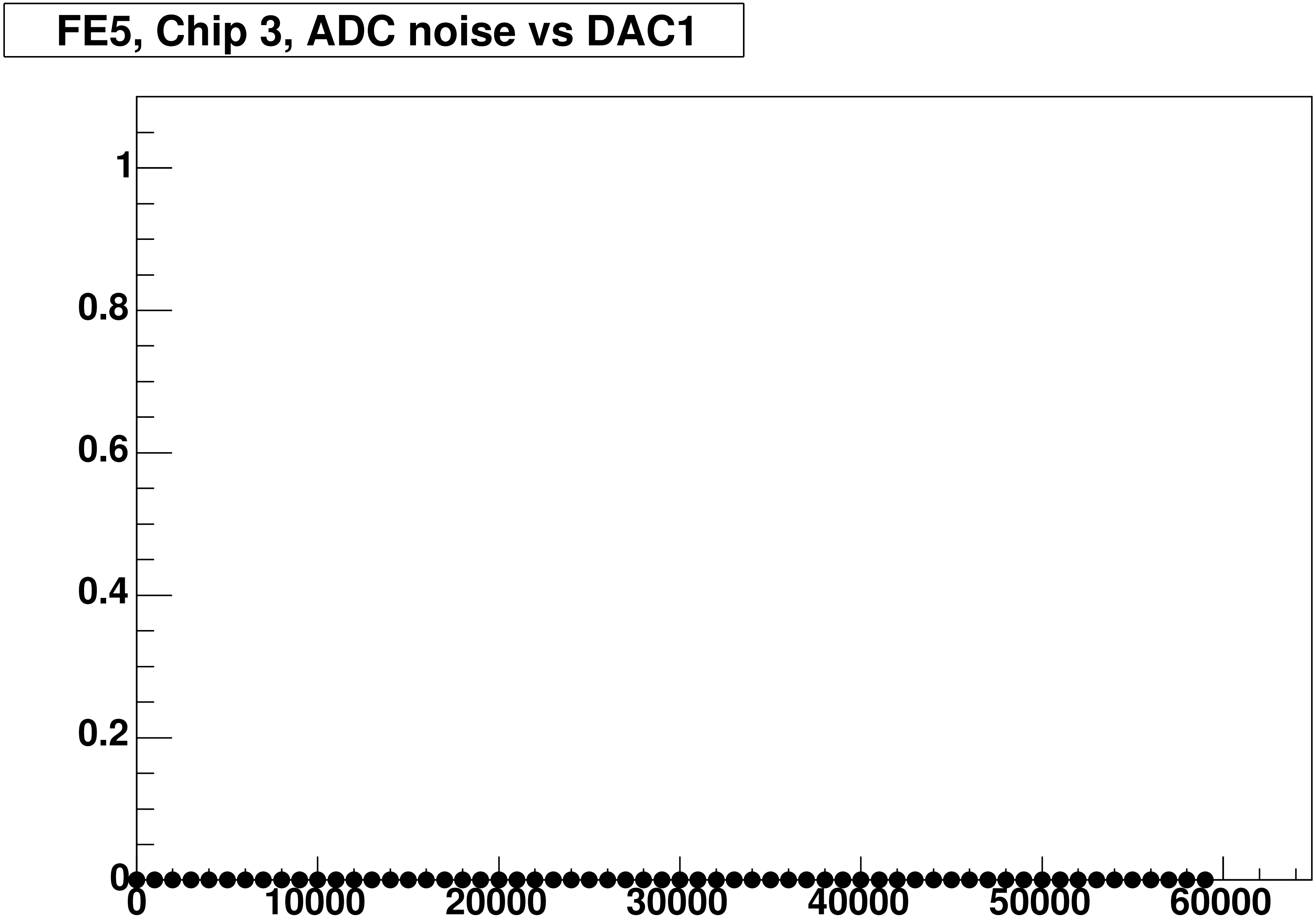

FE5, Chip 2, ADC residuals vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

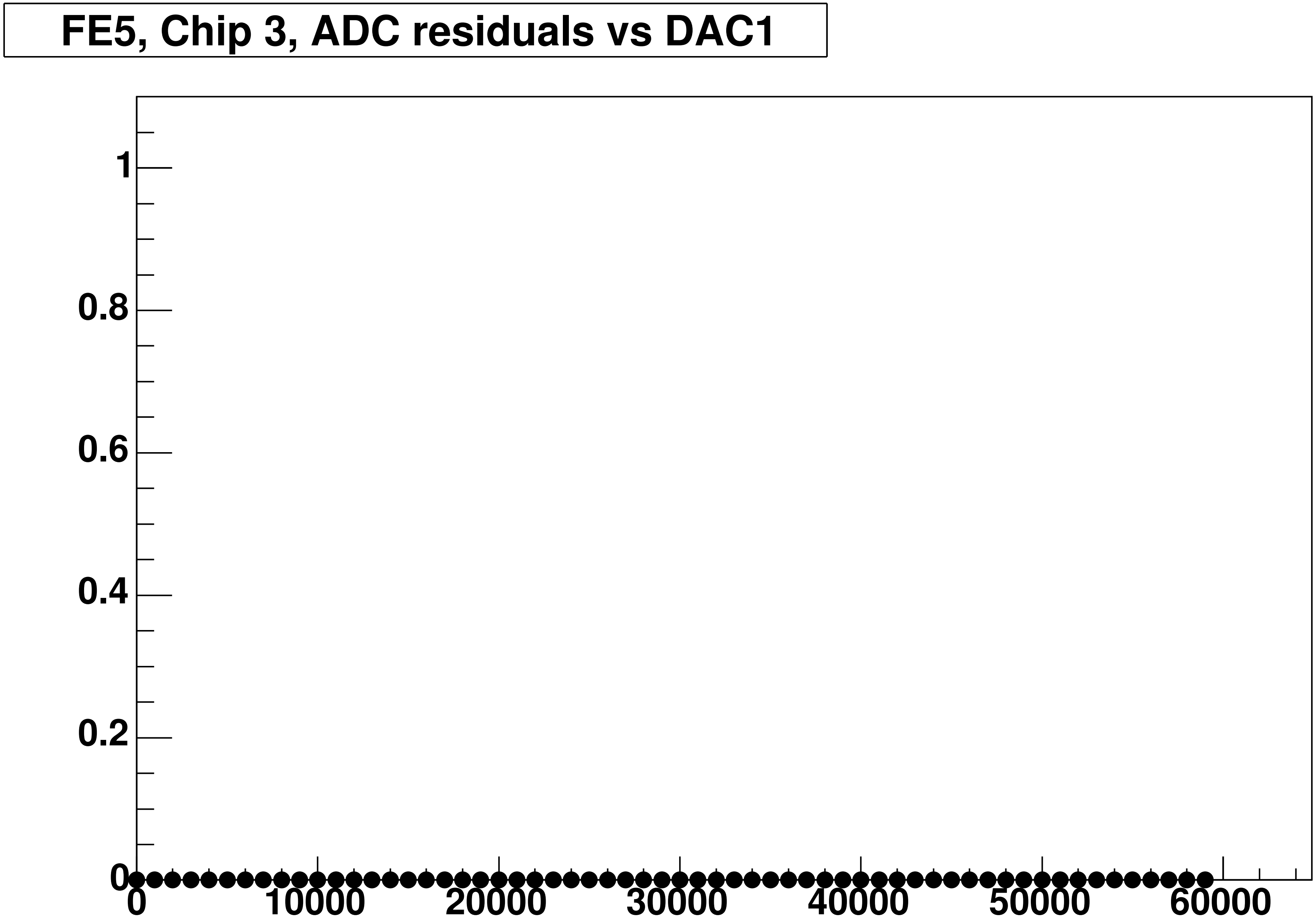

FE5, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 3, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

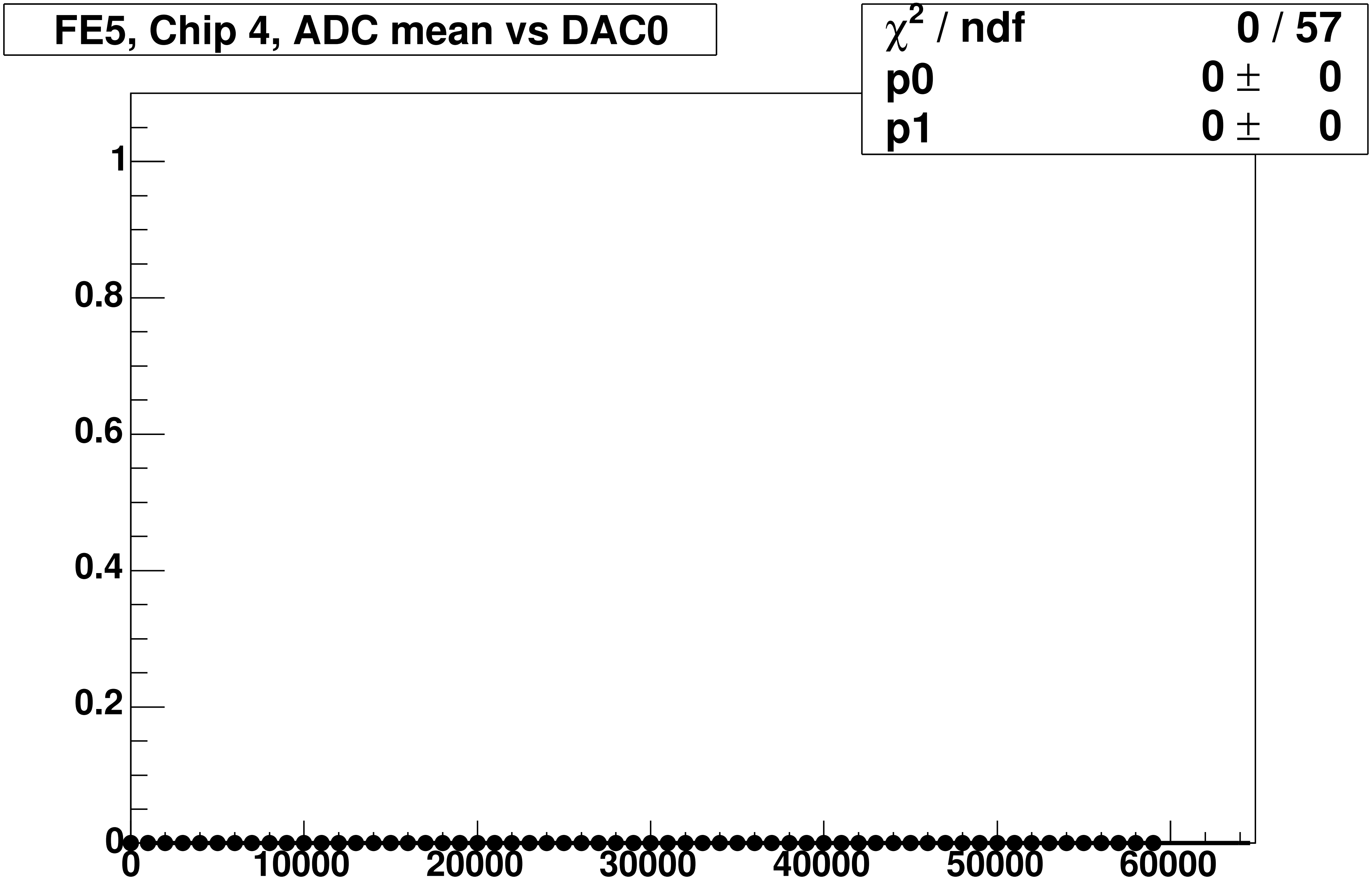

FE5, Chip 3, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 3, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

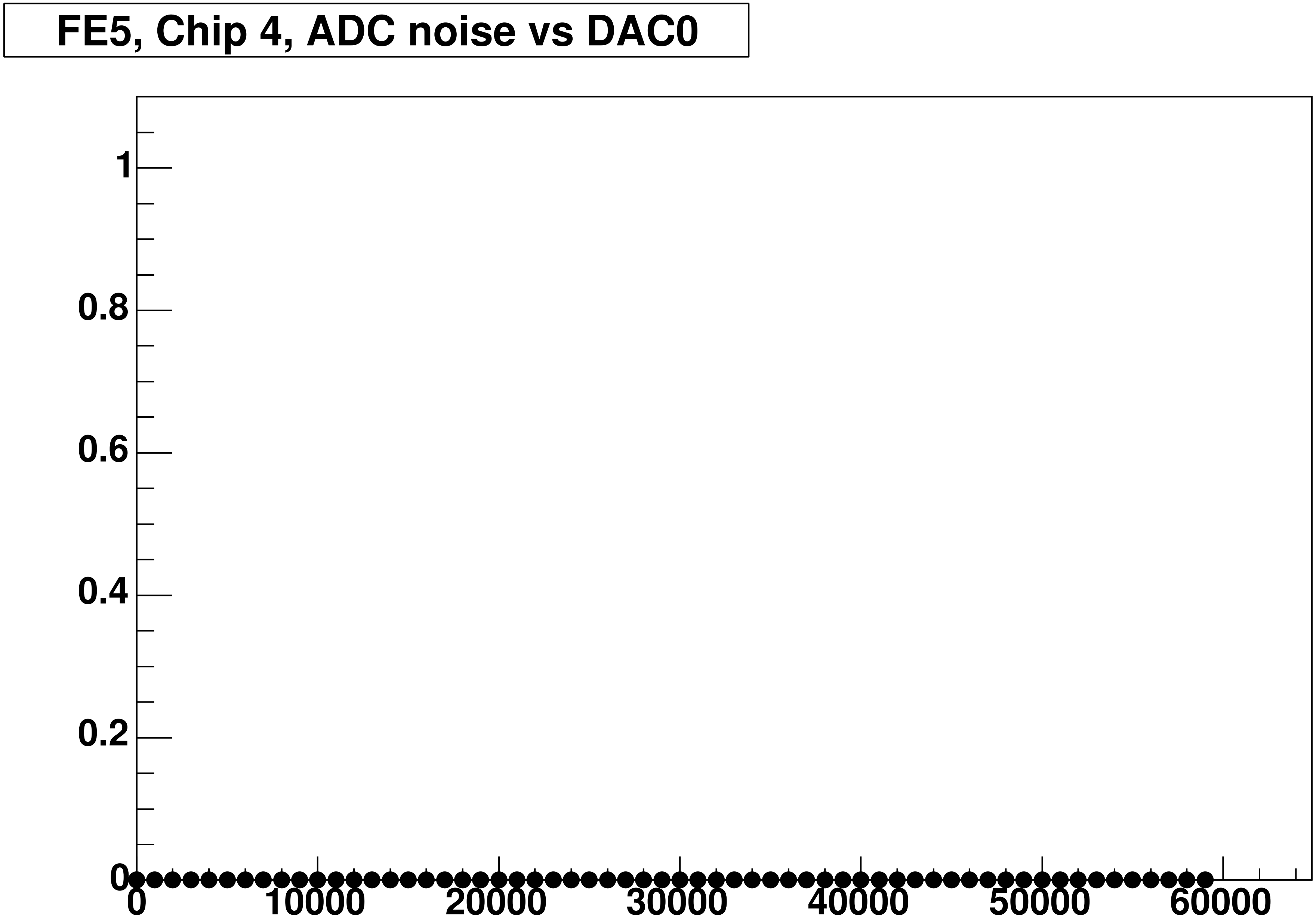

FE5, Chip 3, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

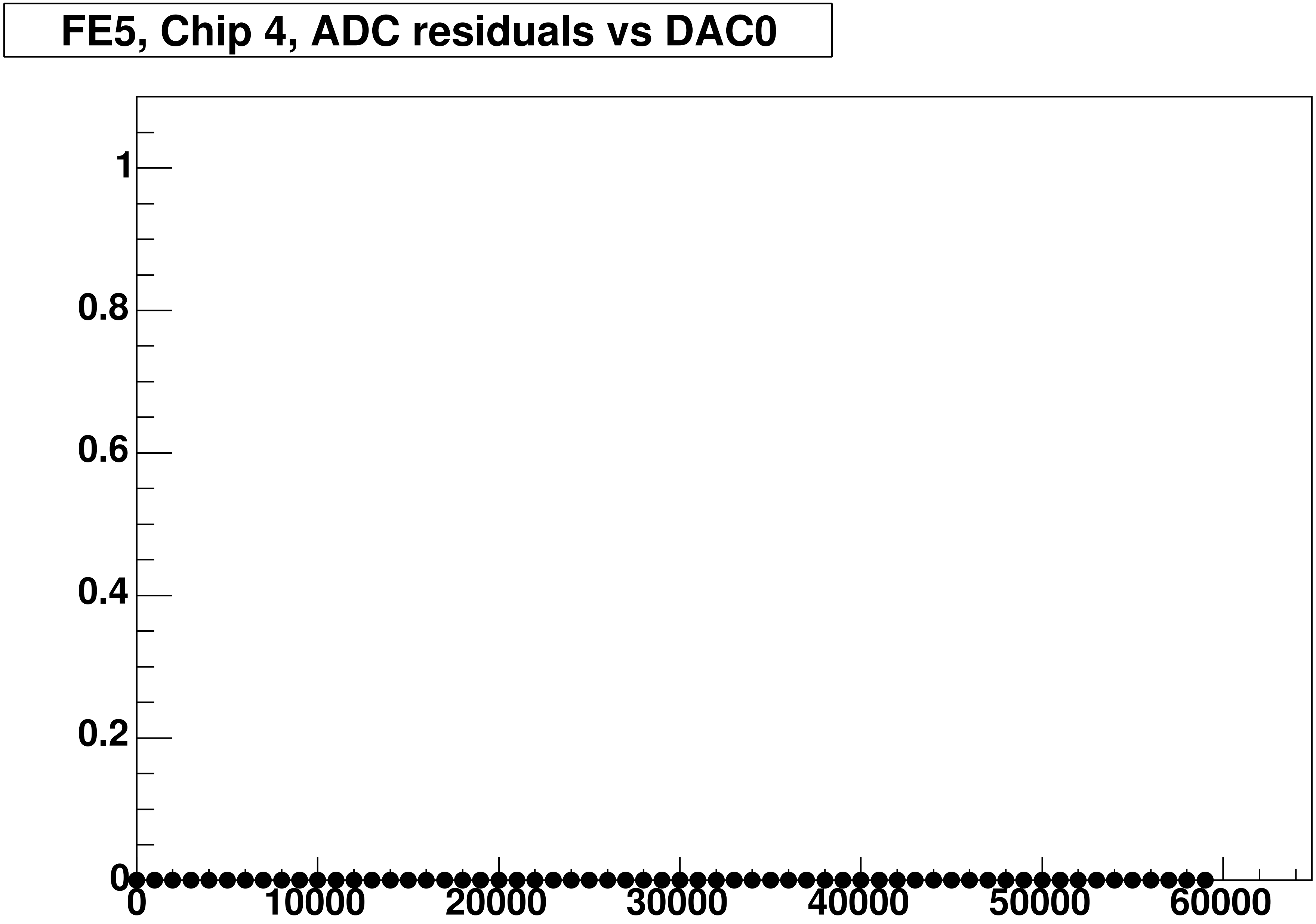


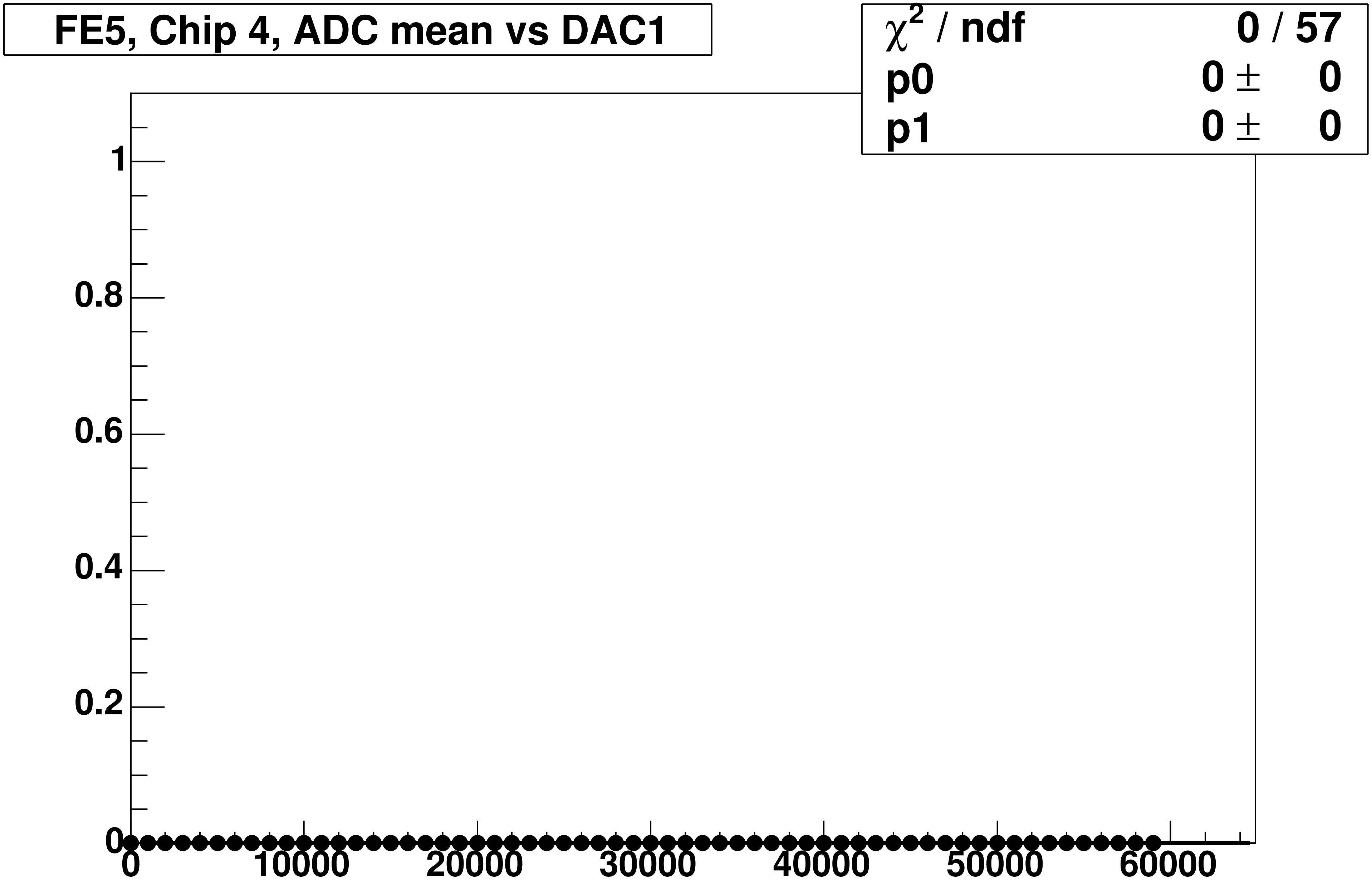
FE5, Chip 3, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



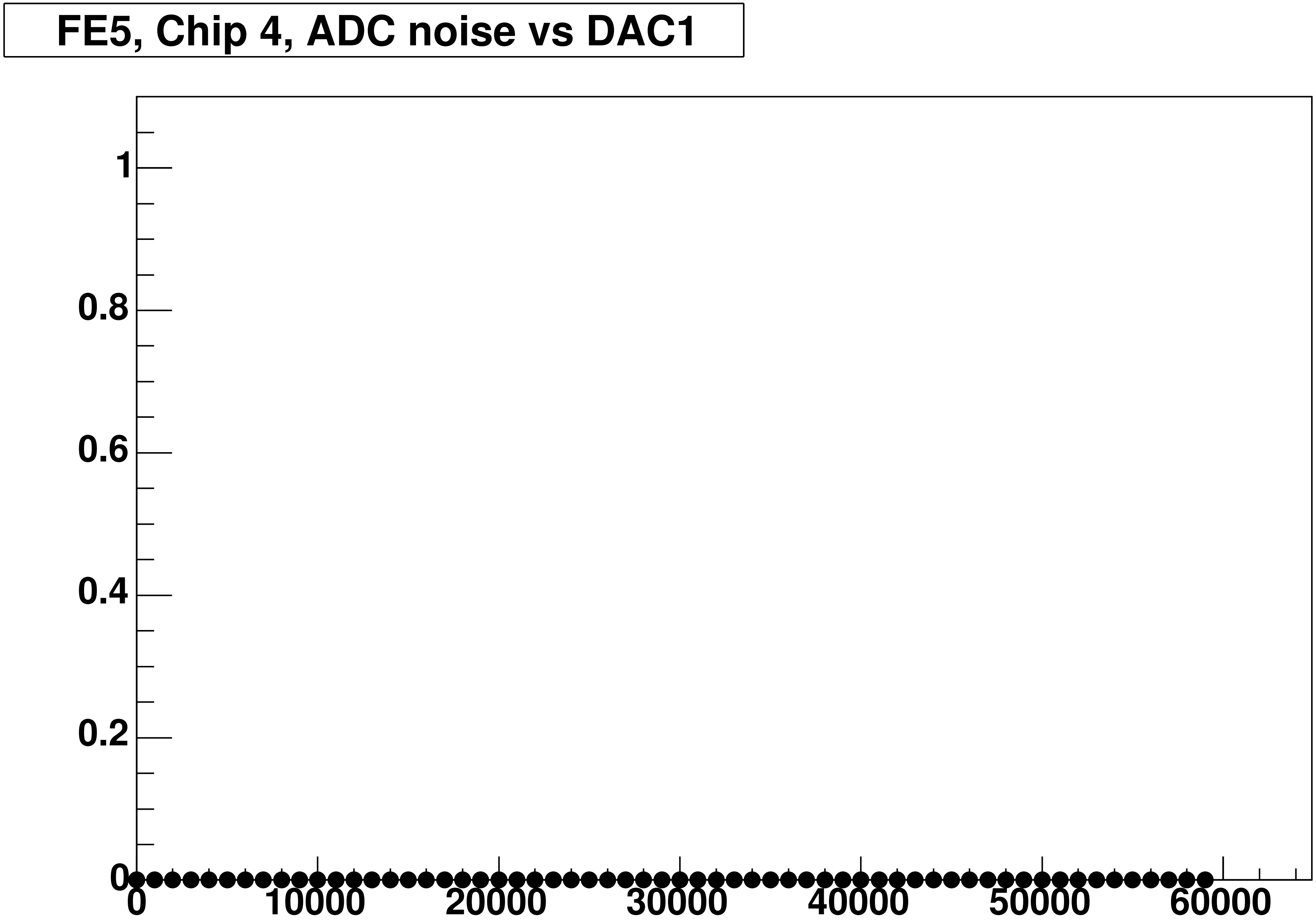
FE5, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

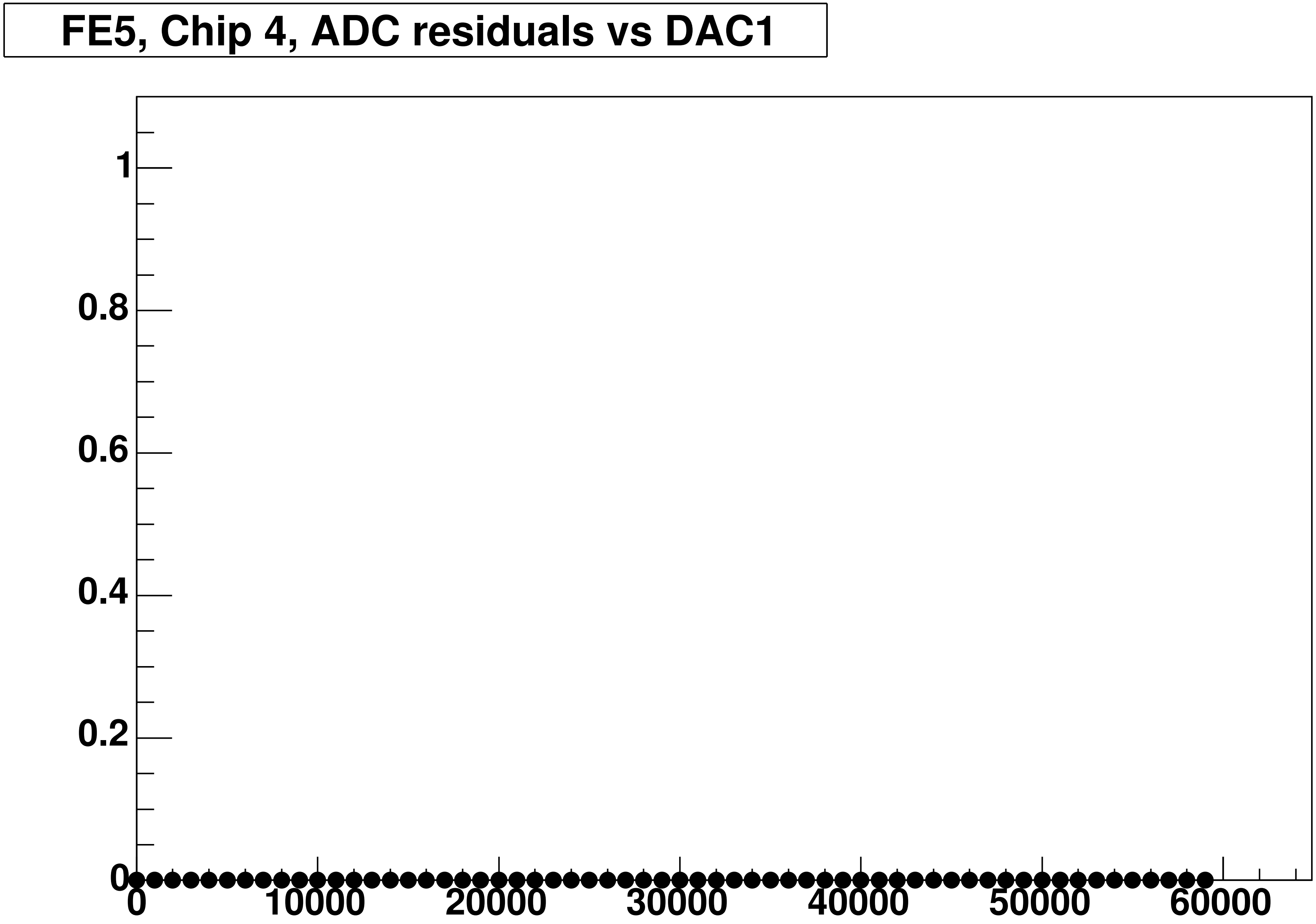

FE5, Chip 4, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 4, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

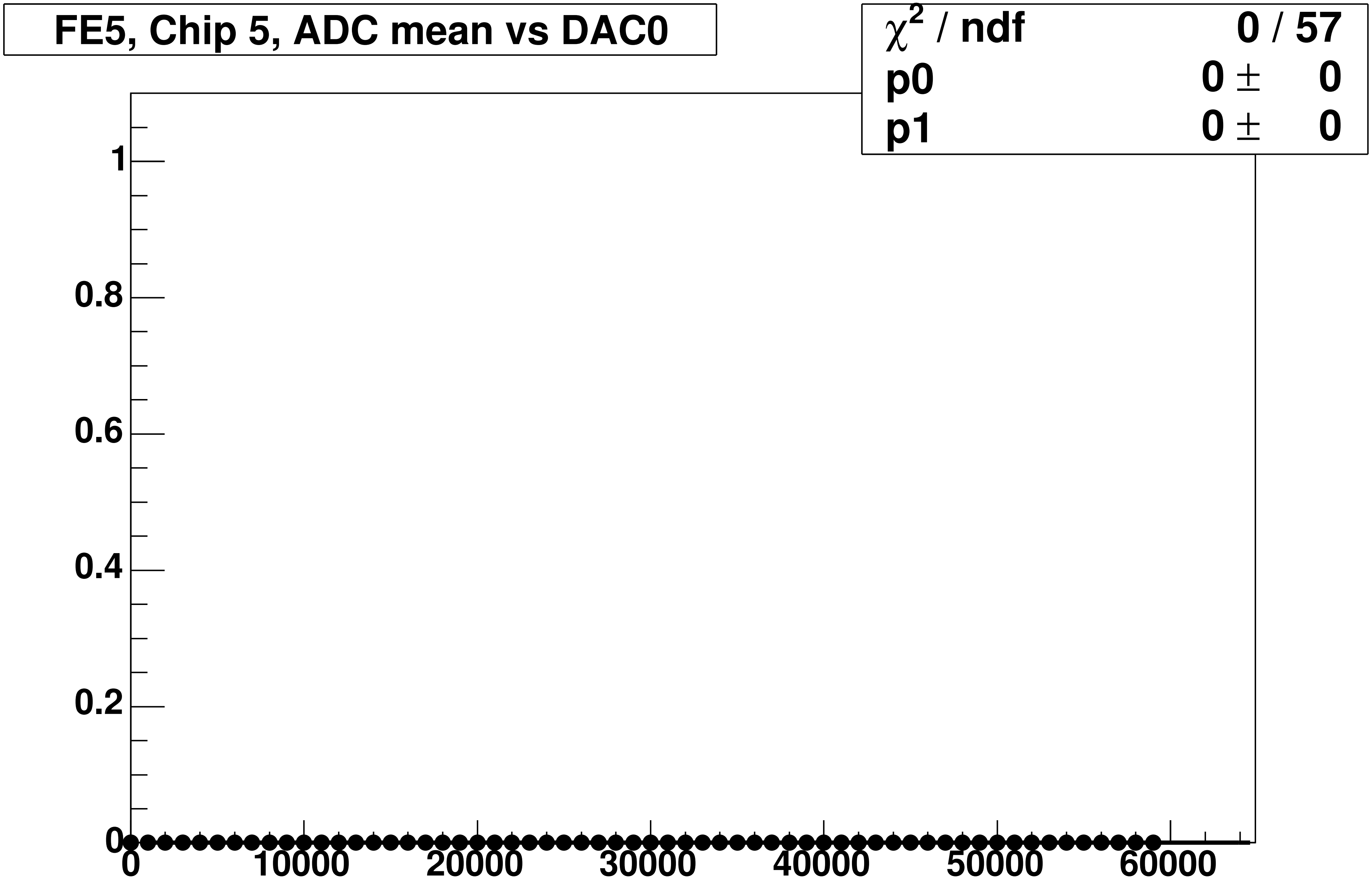


FE5, Chip 4, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

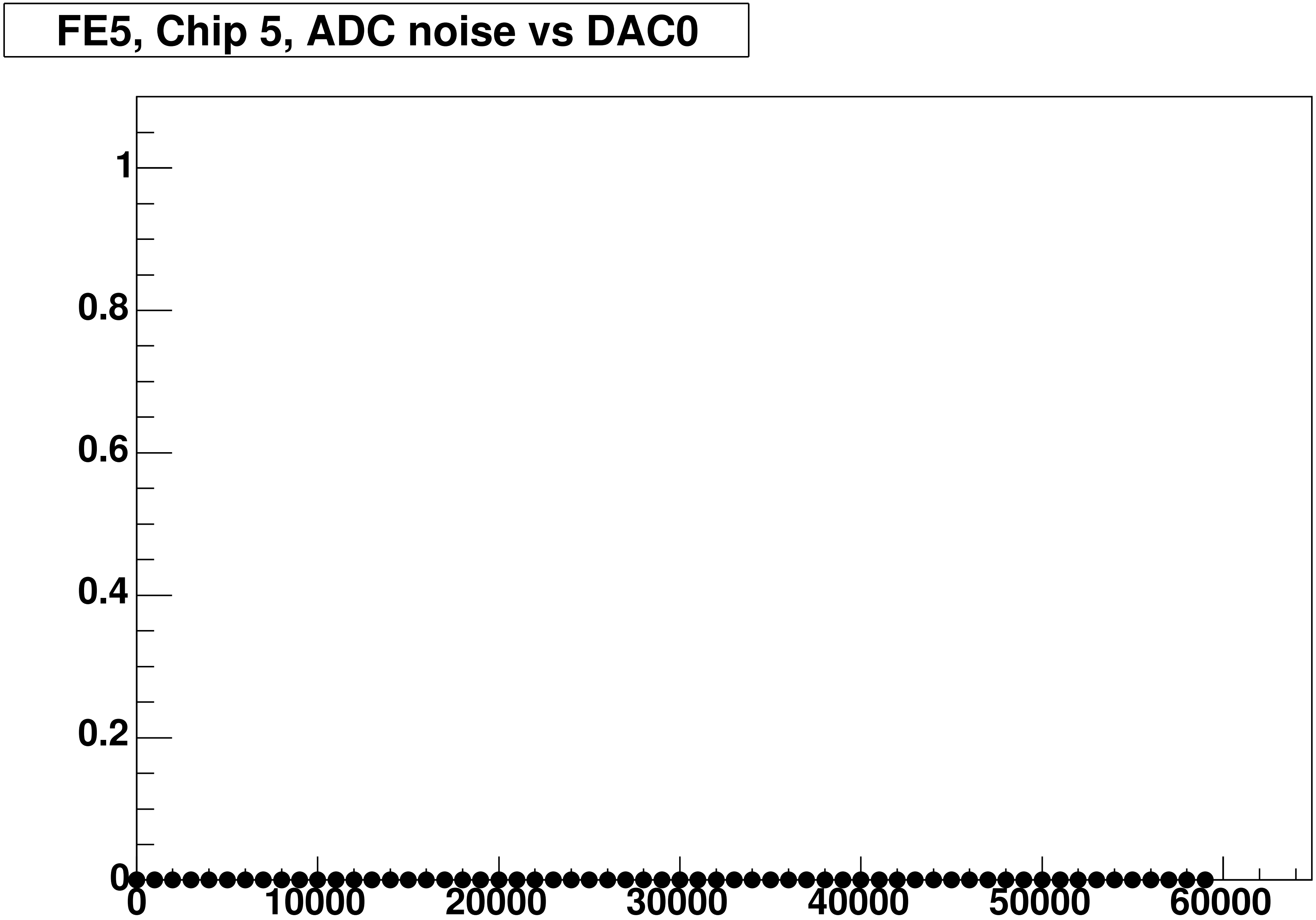

FE5, Chip 4, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

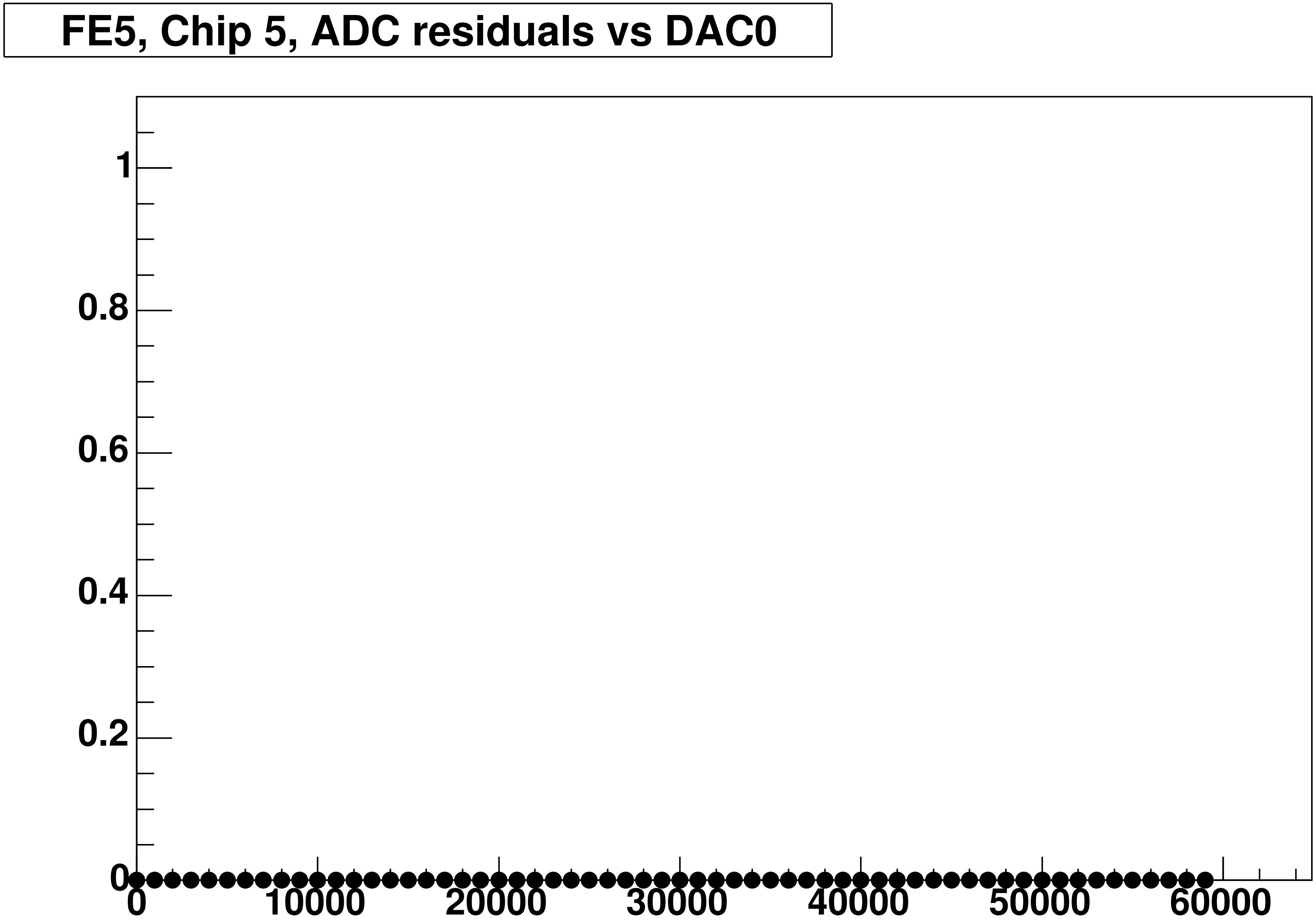


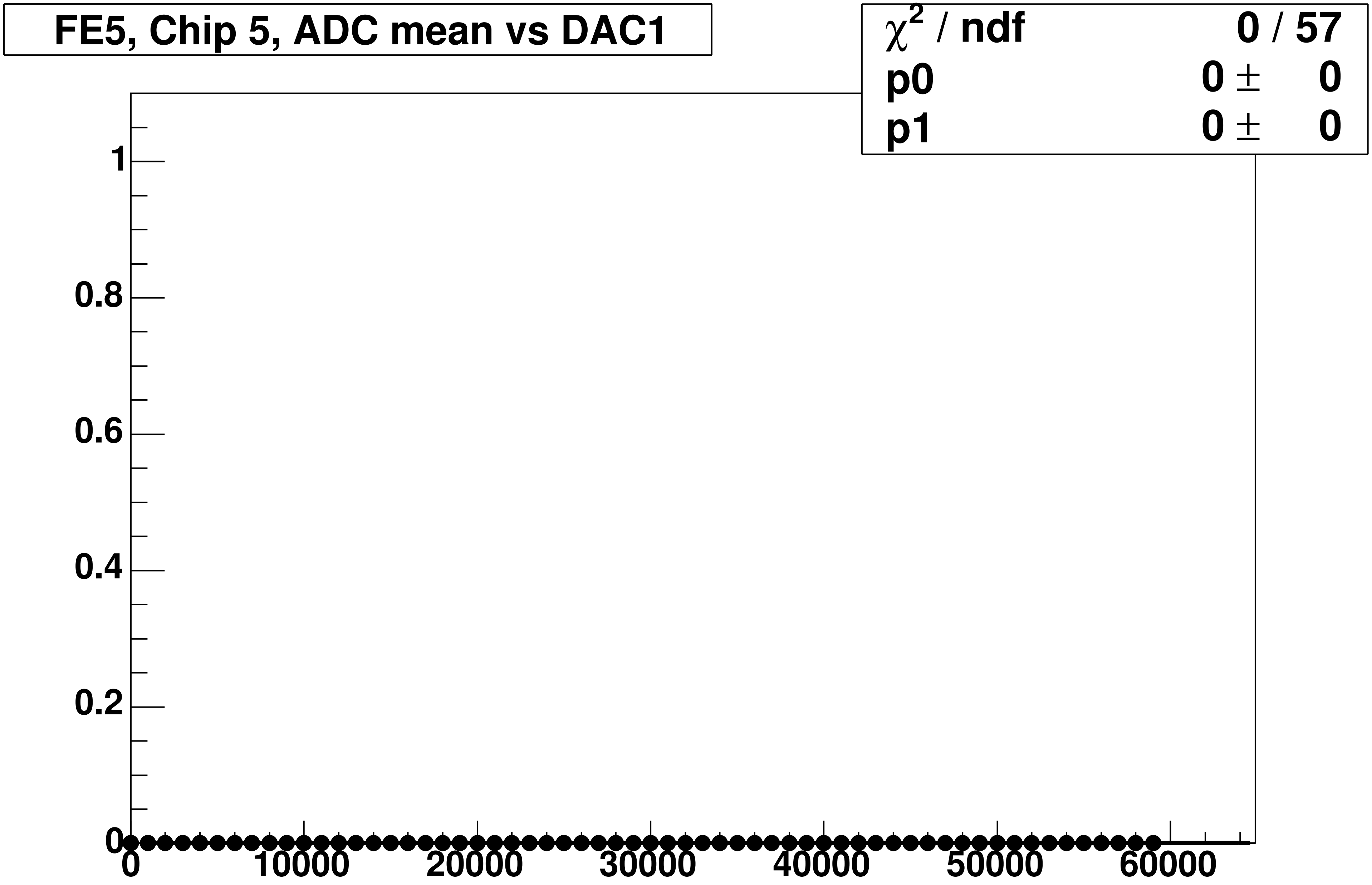
FE5, Chip 4, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



FE5, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

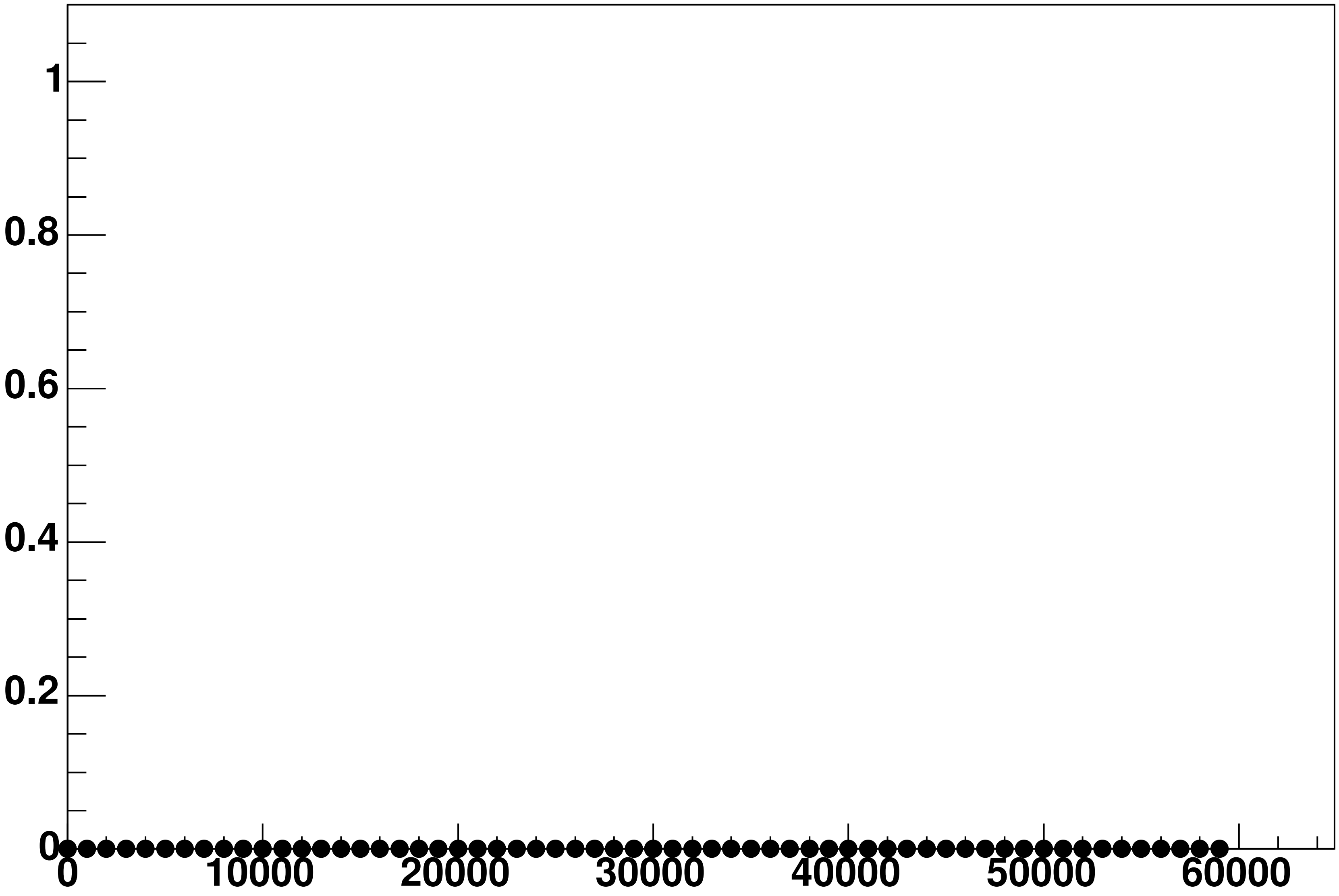

FE5, Chip 5, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

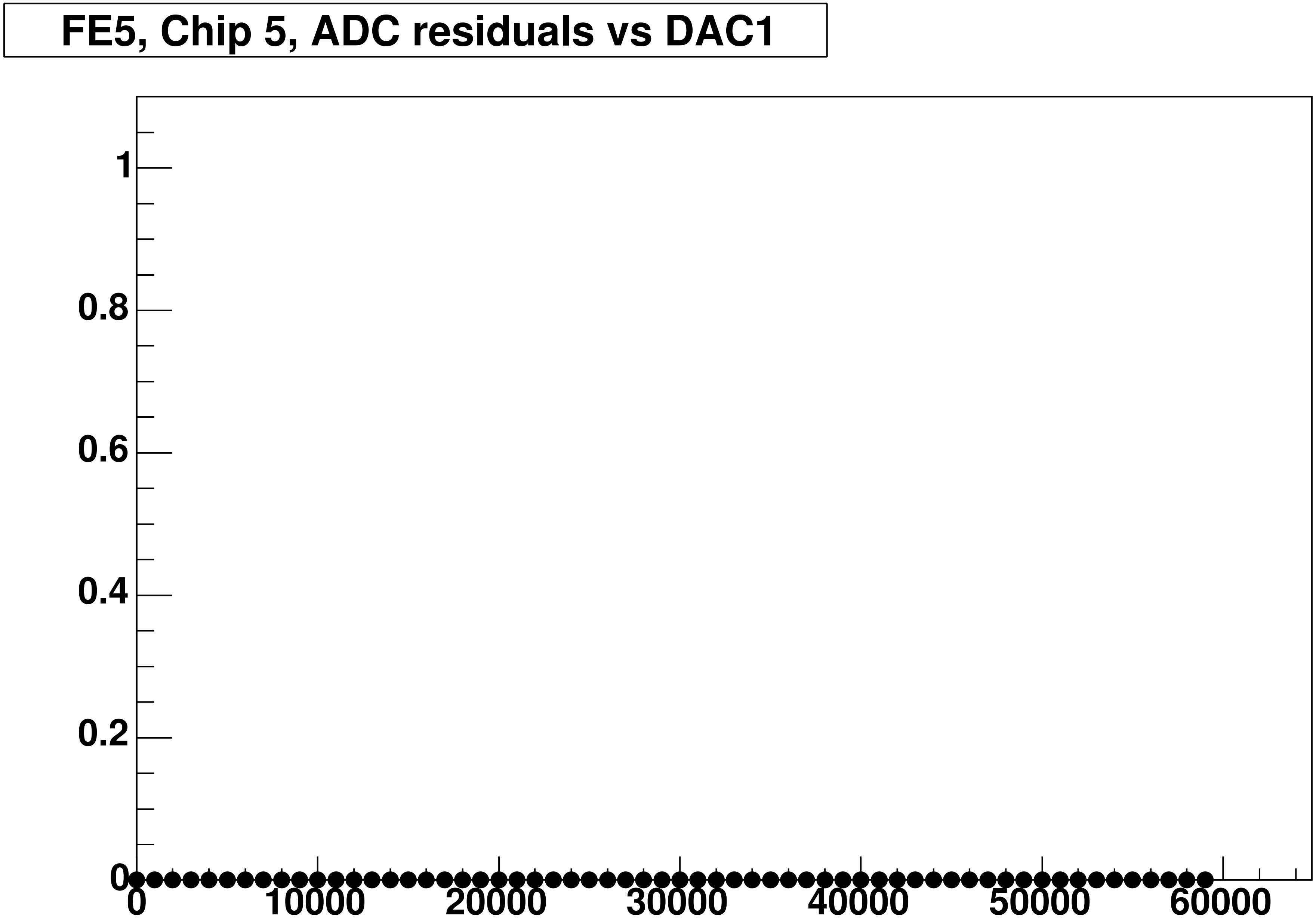

FE5, Chip 5, ADC residuals vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

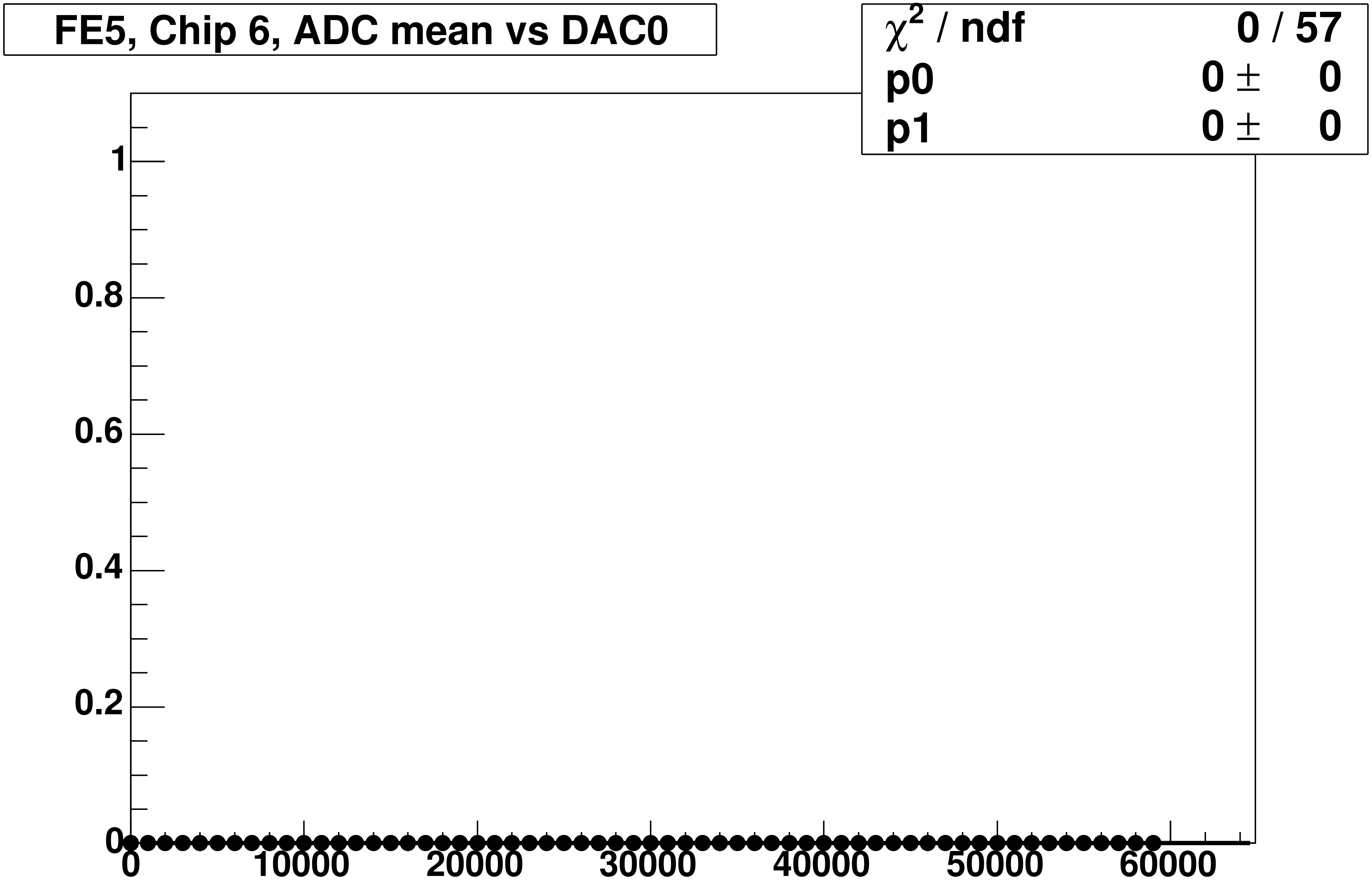


FE5, Chip 5, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

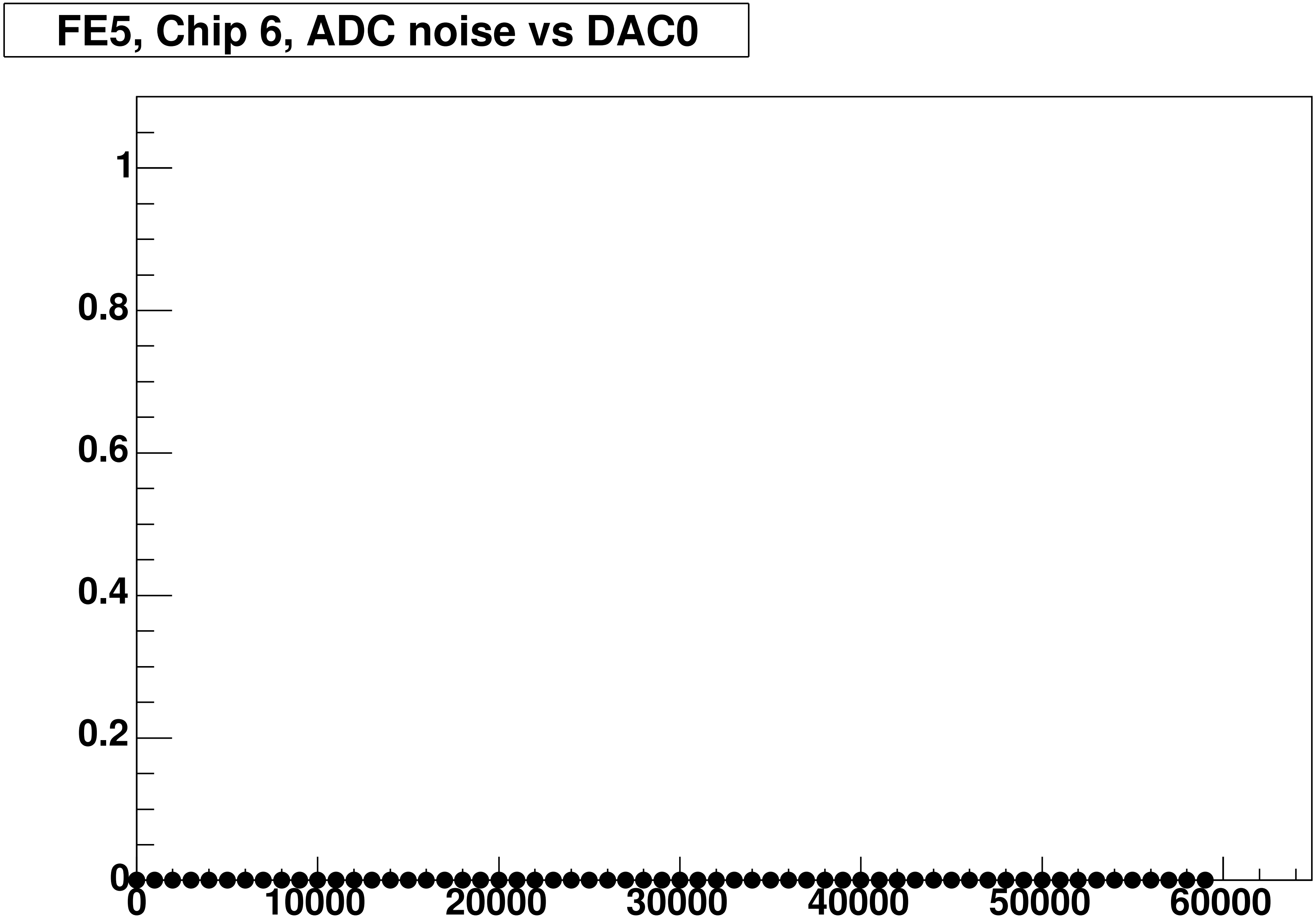
FE5, Chip 5, ADC noise vs DAC1



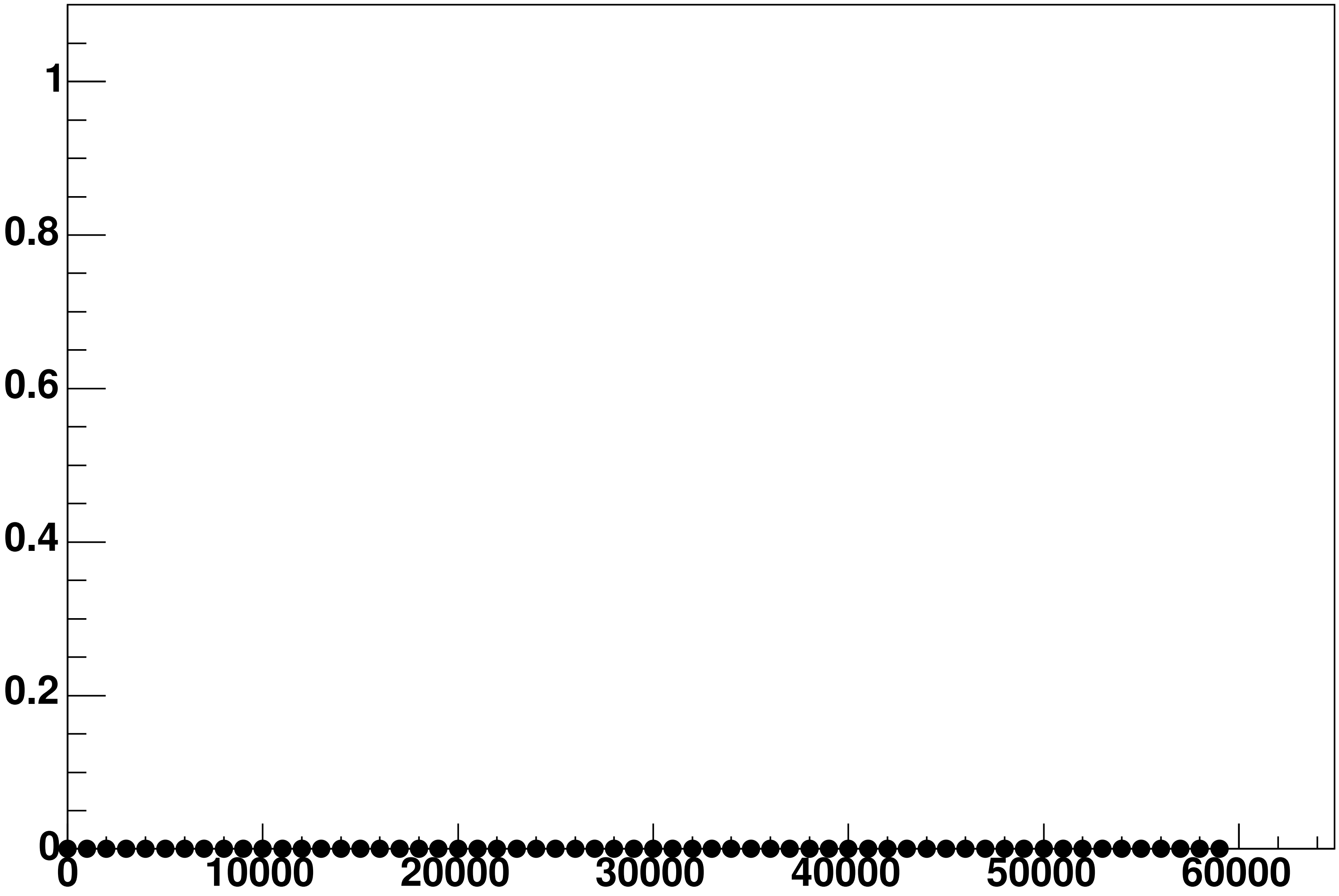

FE5, Chip 5, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

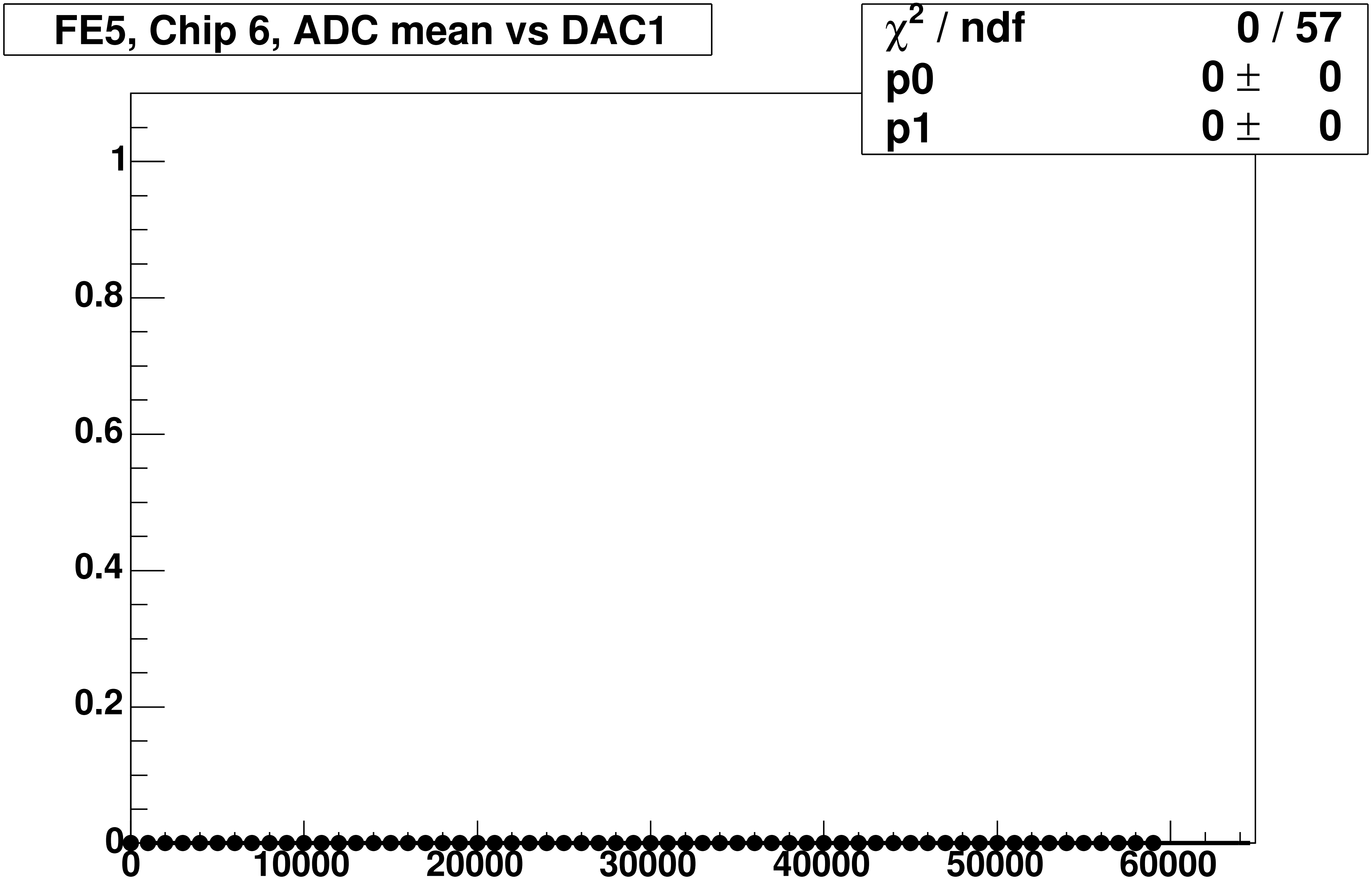


FE5, Chip 6, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

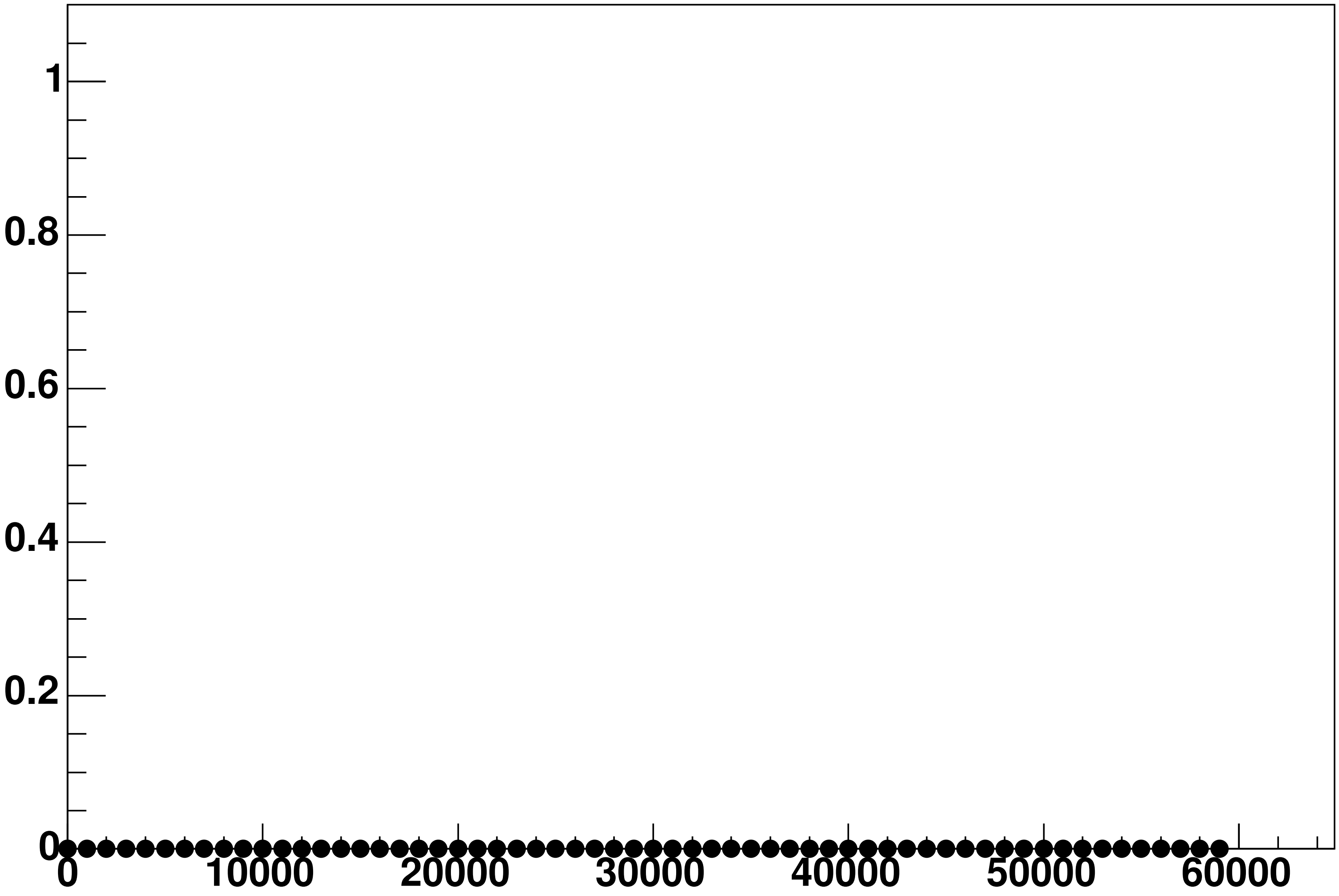

FE5, Chip 6, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

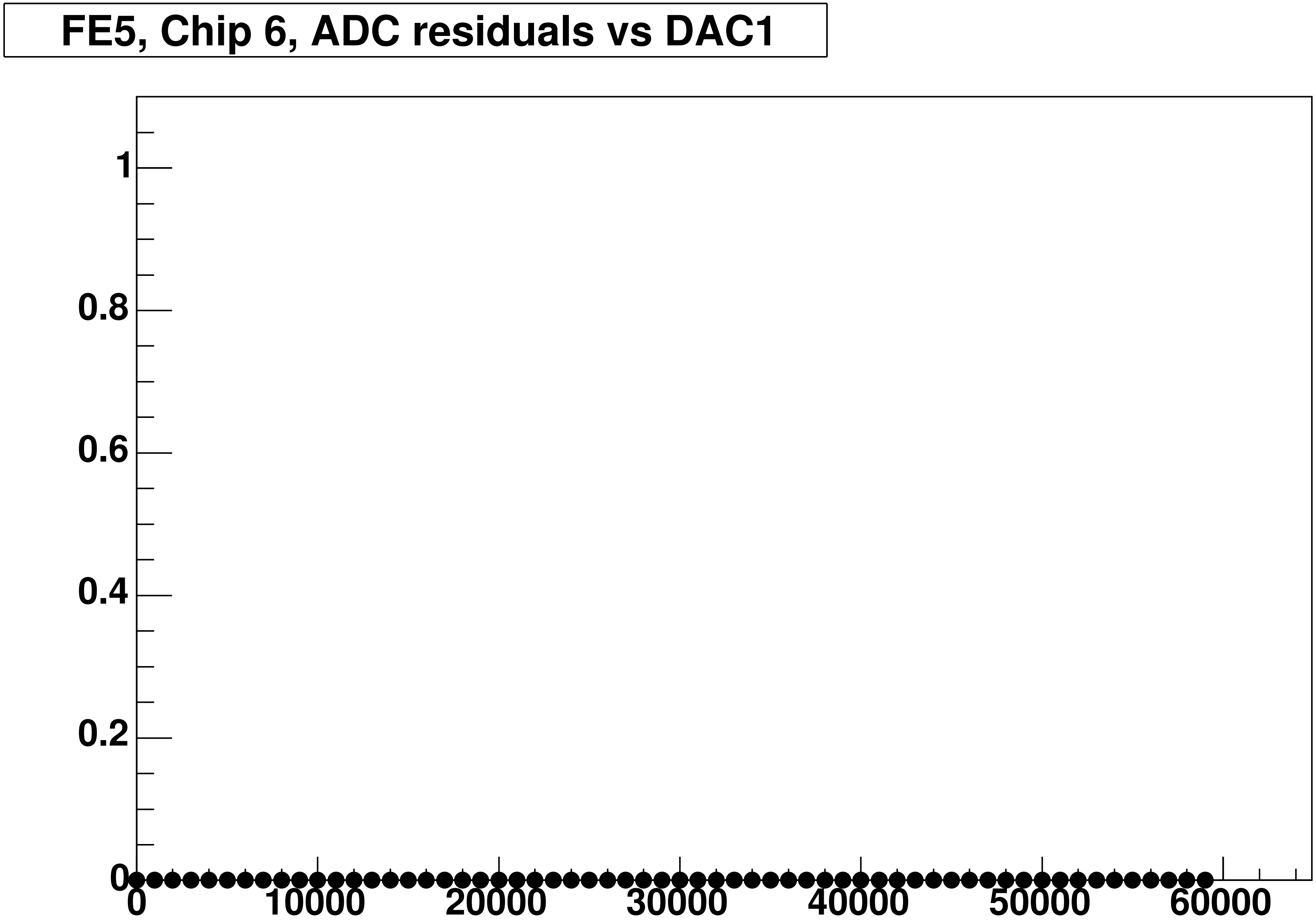
FE5, Chip 6, ADC residuals vs DAC0

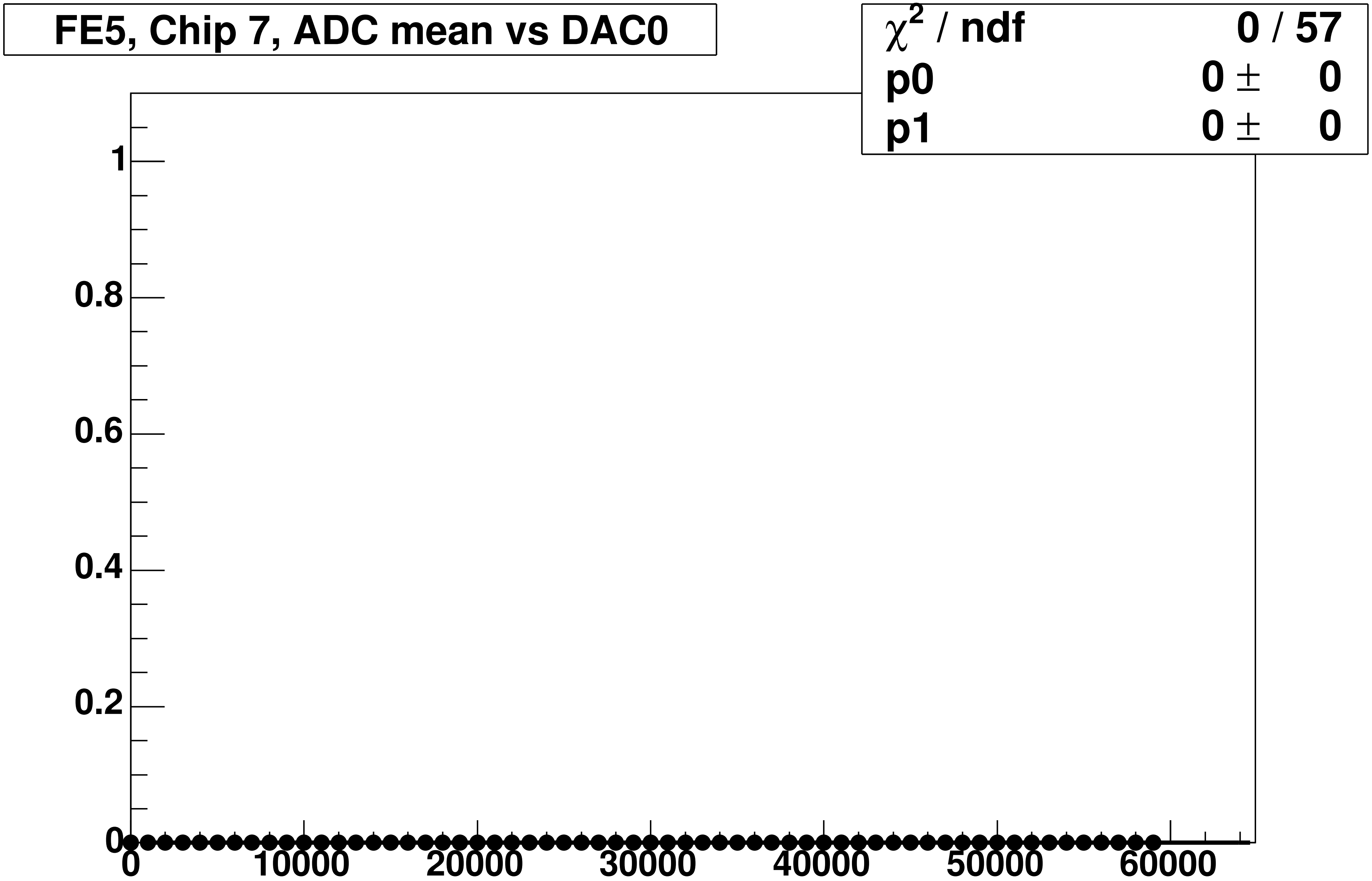



FE5, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

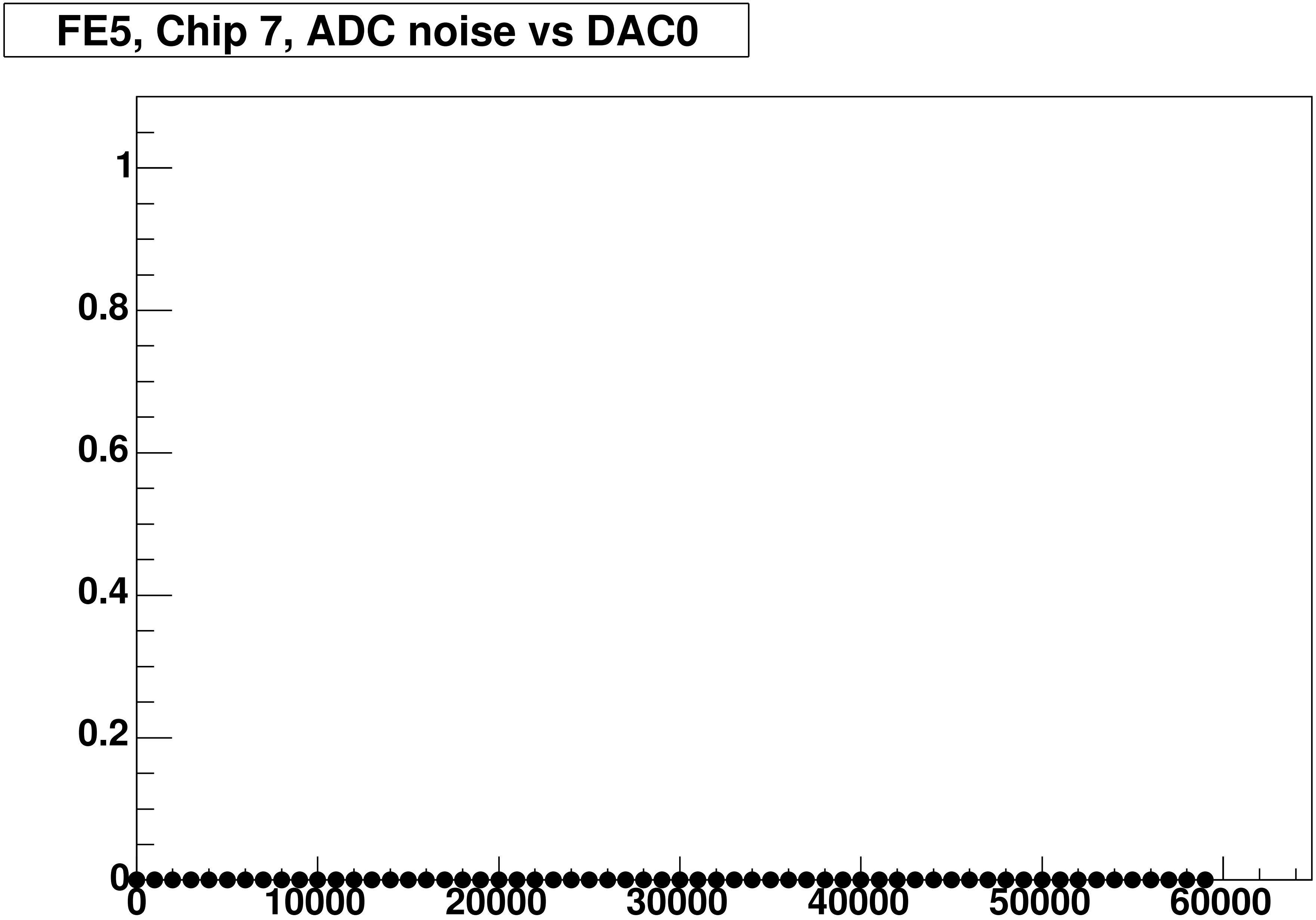
FE5, Chip 6, ADC noise vs DAC1

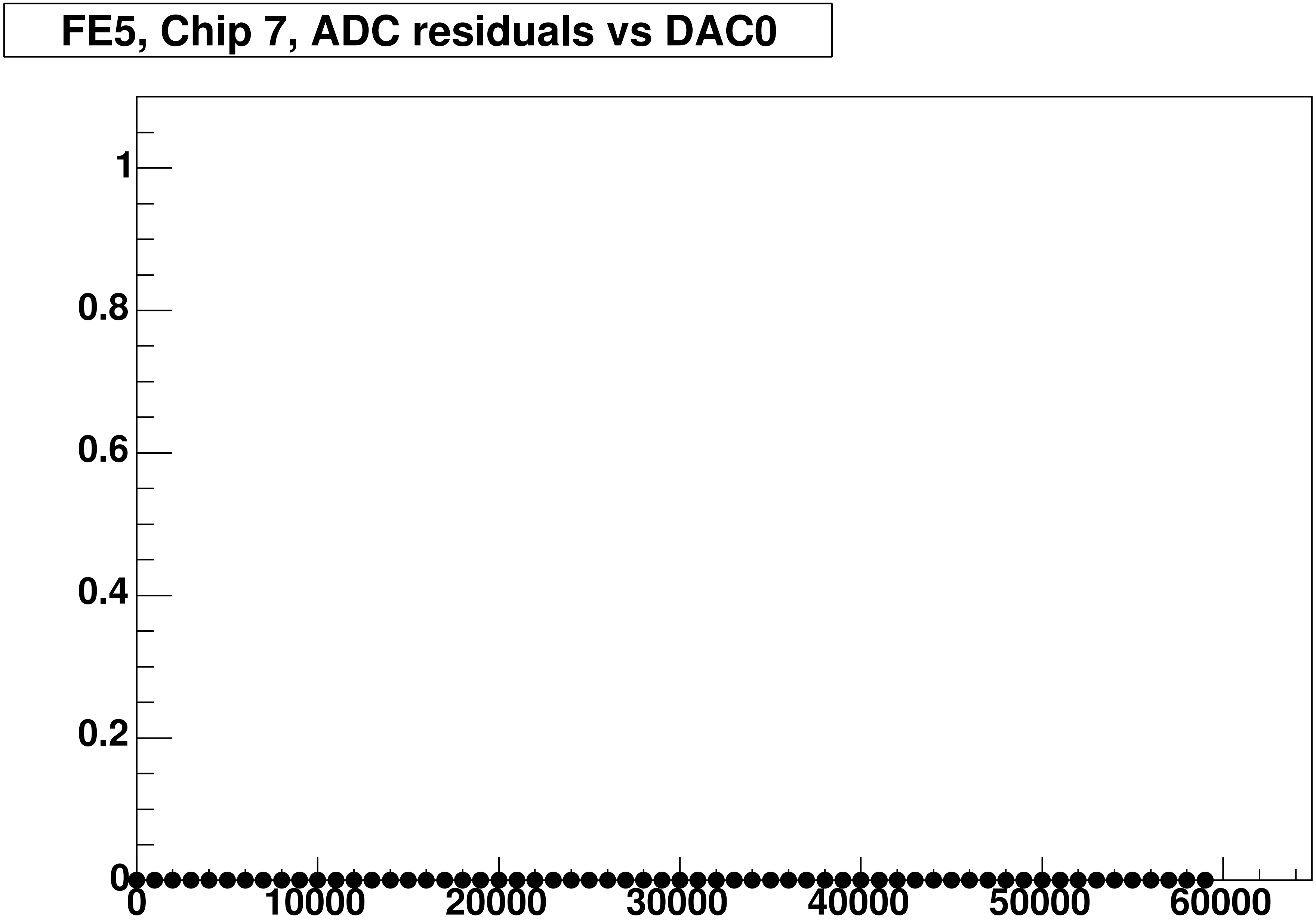



FE5, Chip 6, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

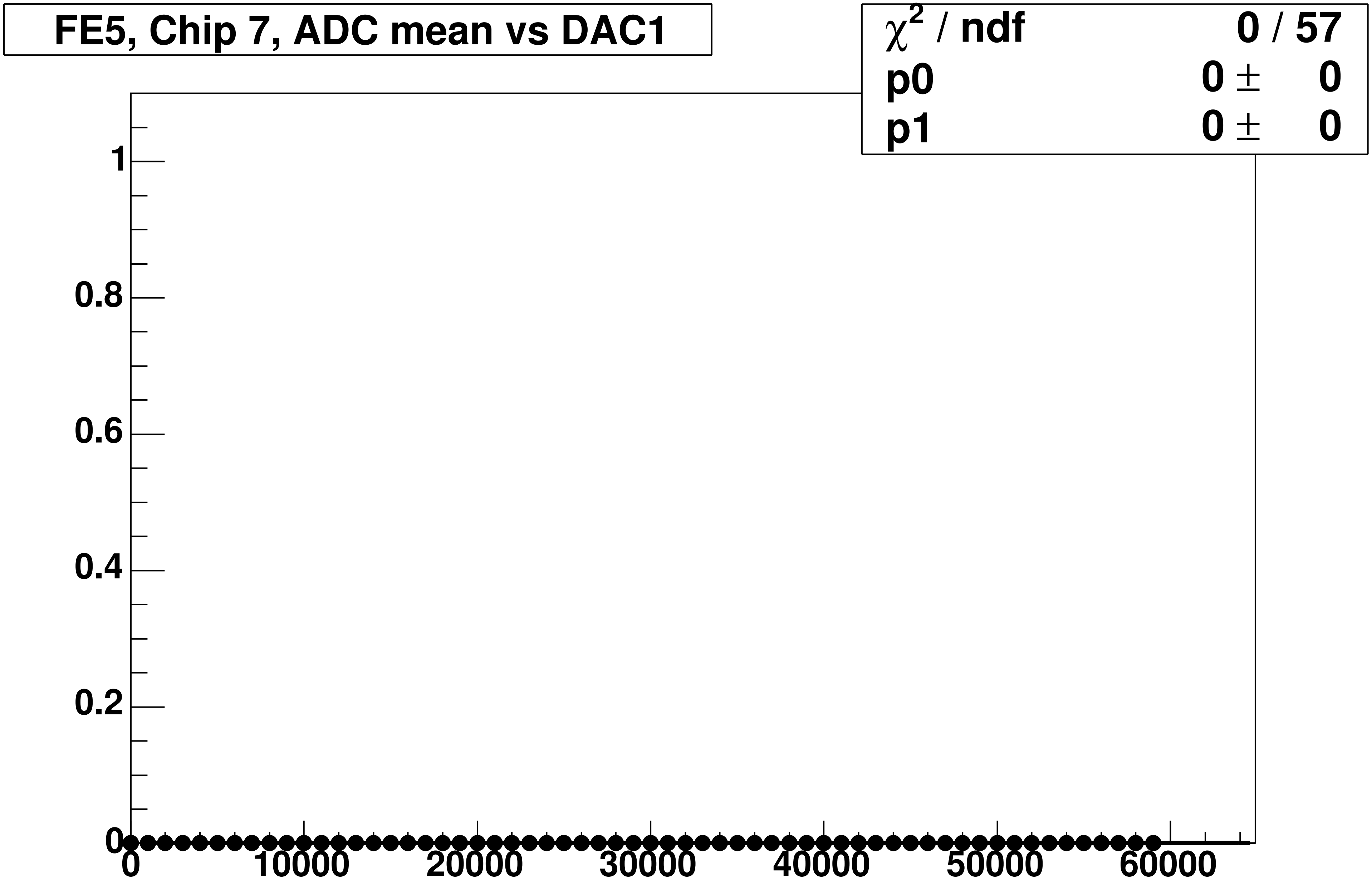


FE5, Chip 7, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 7, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



FE5, Chip 7, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
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30000
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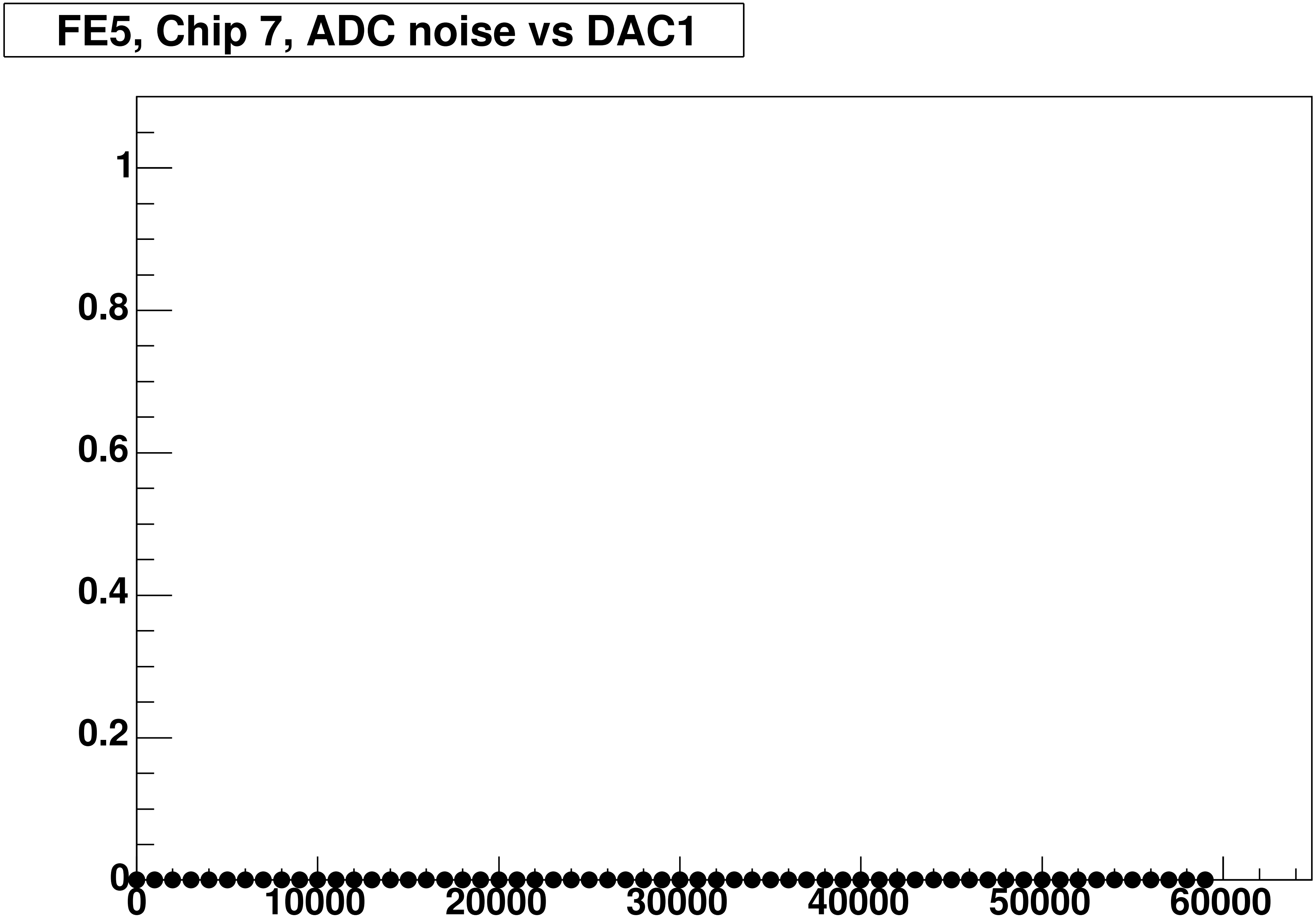
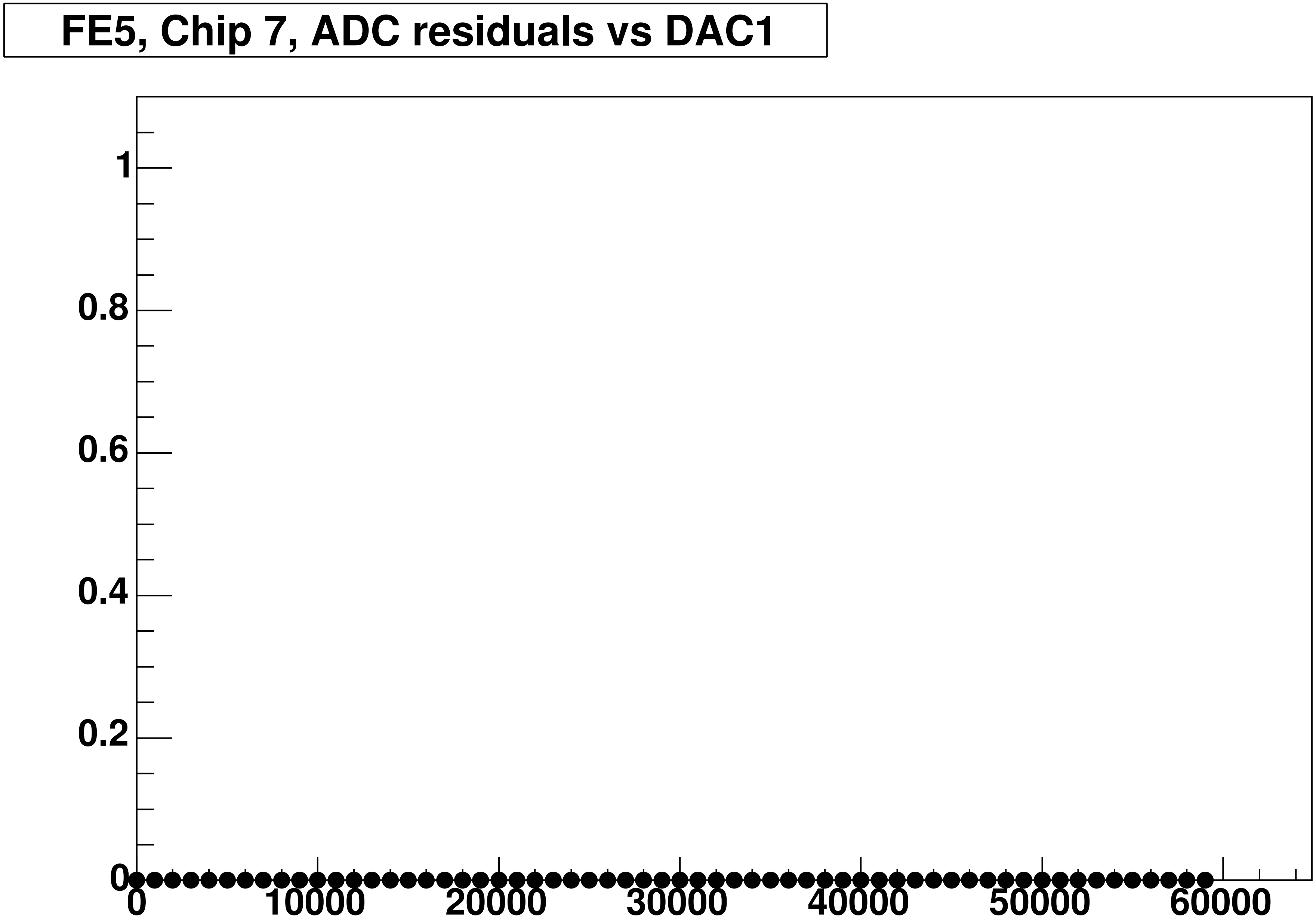


FE5, Chip 7, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 7, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
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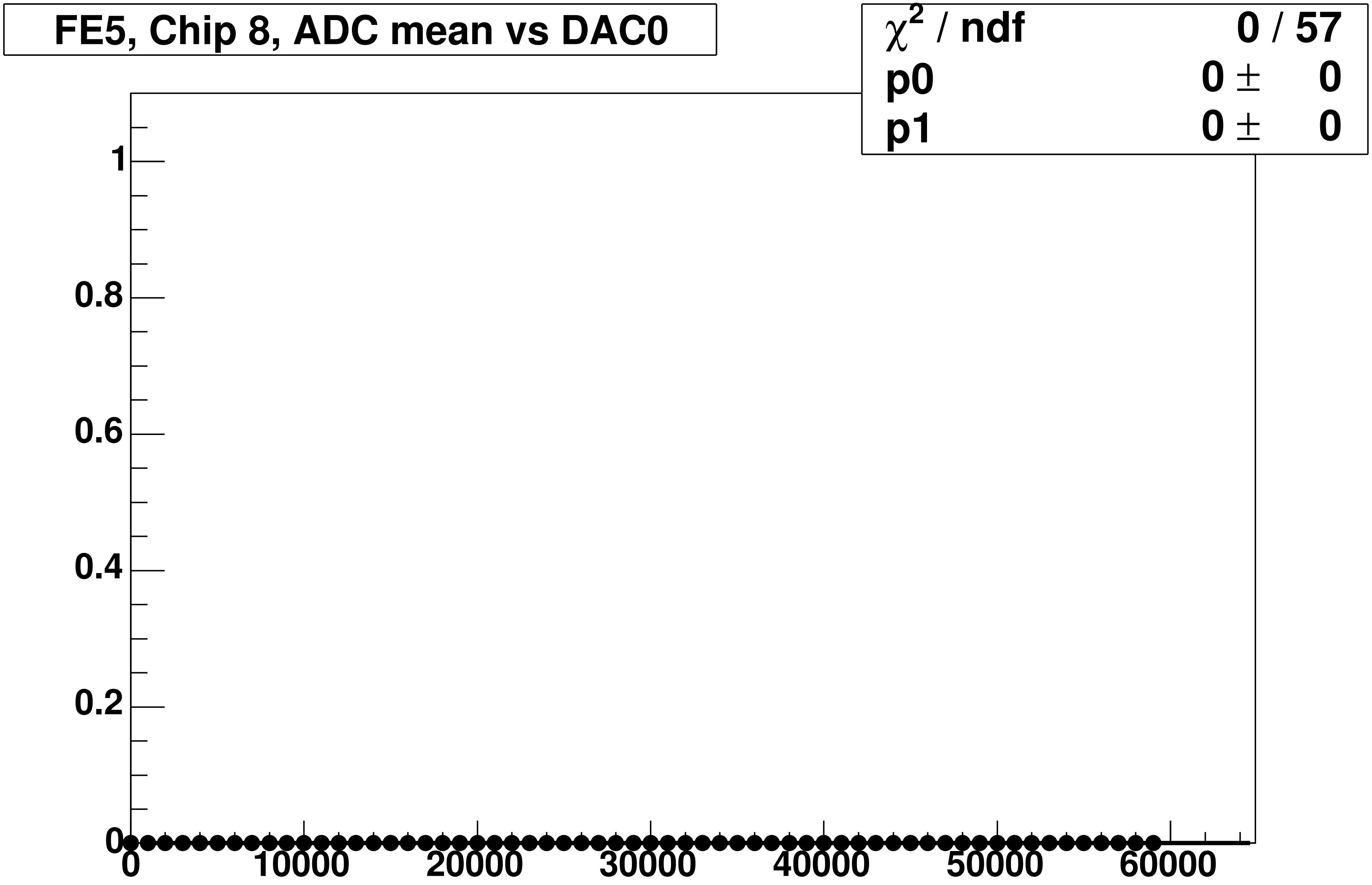
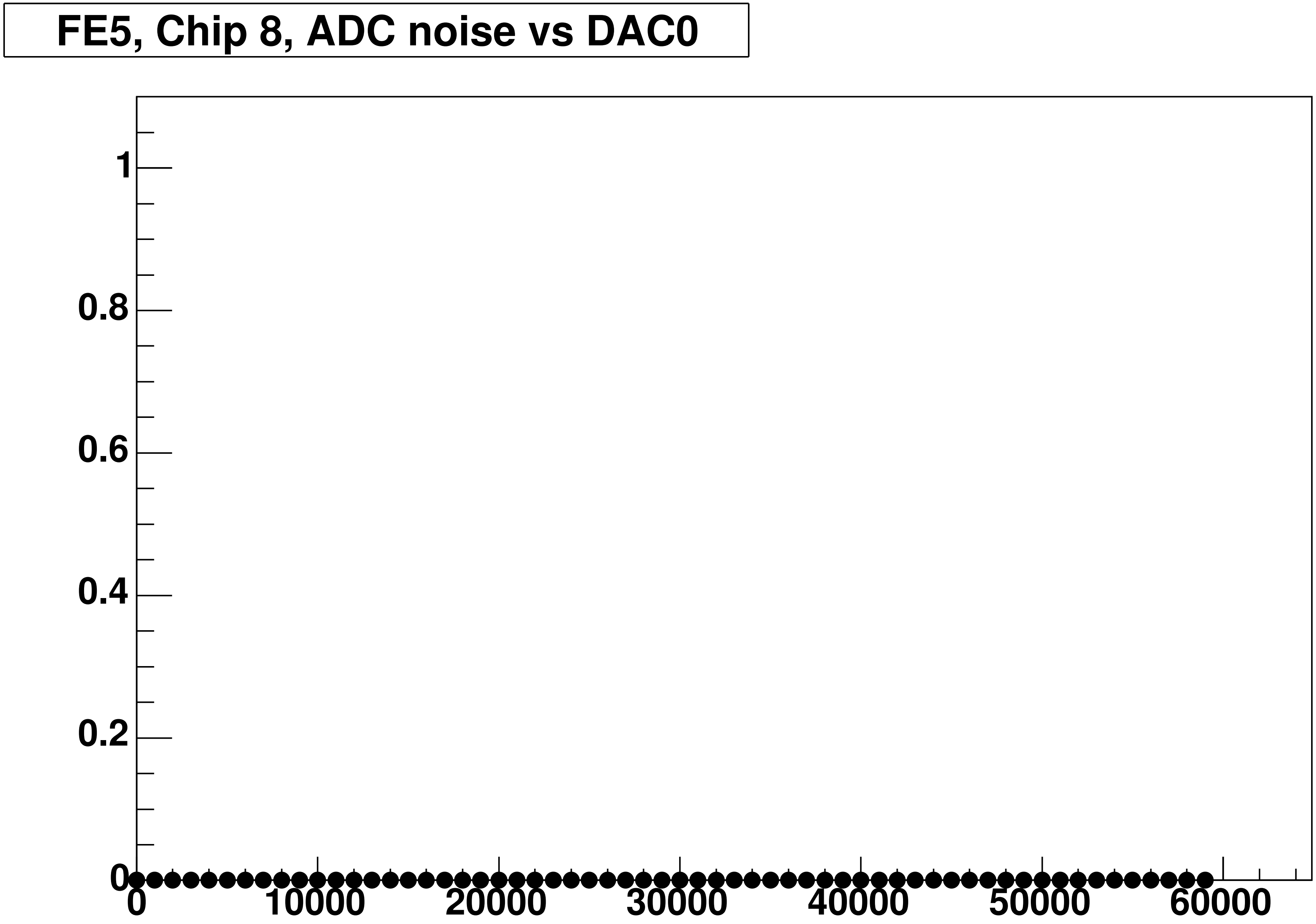
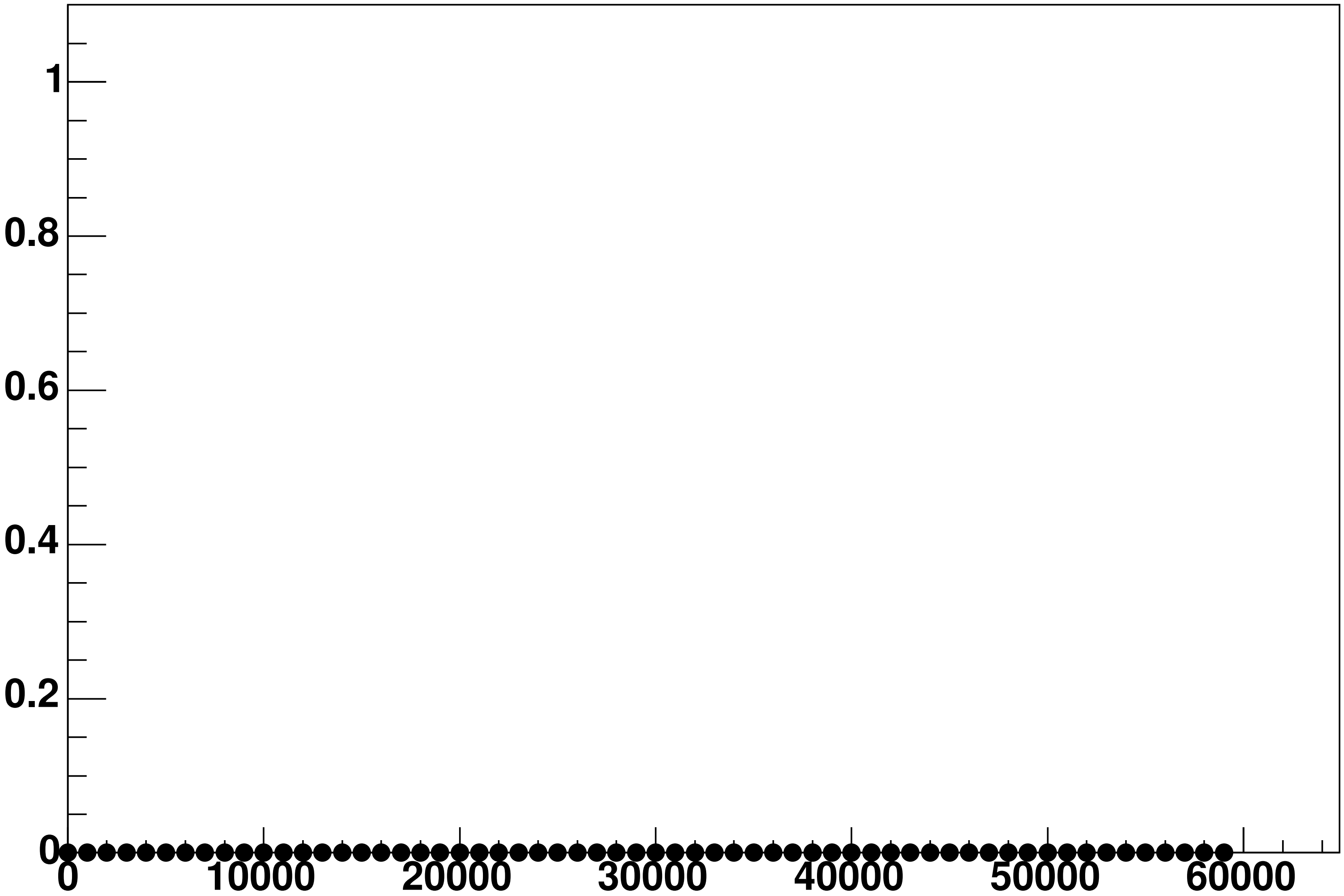
30000
40000
50000
60000

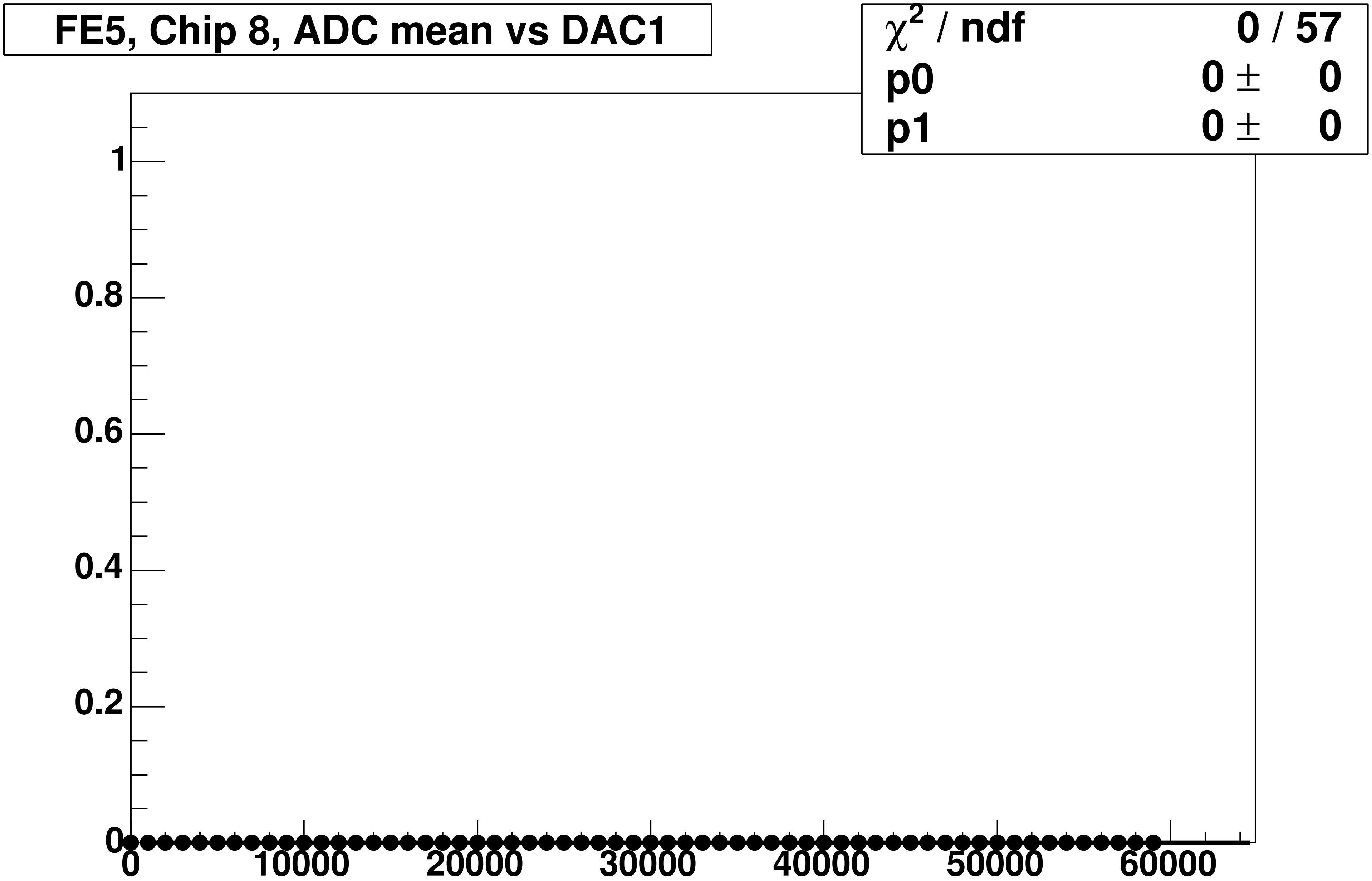


FE5, Chip 8, ADC mean vs DAC0
χ2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

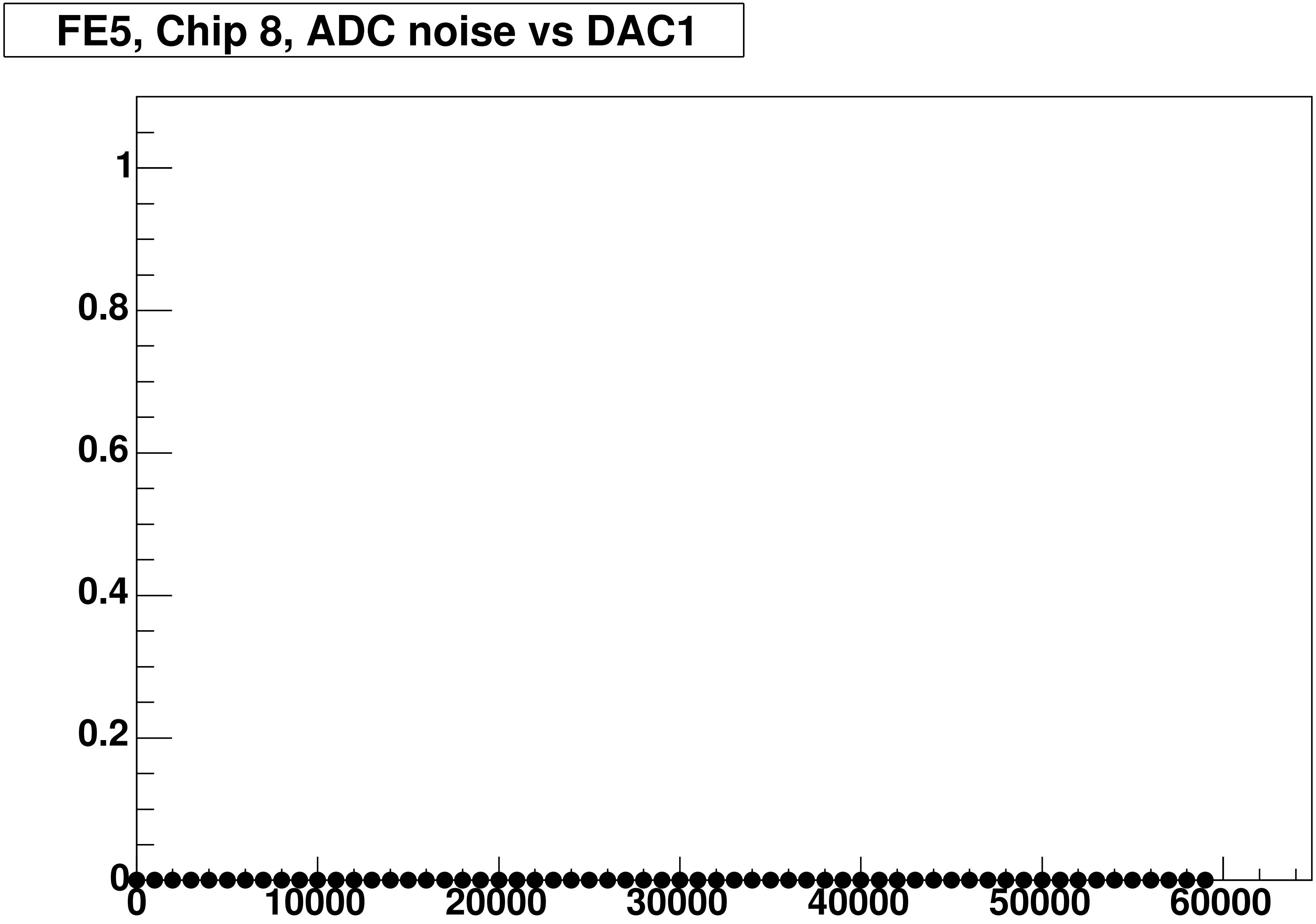

FE5, Chip 8, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

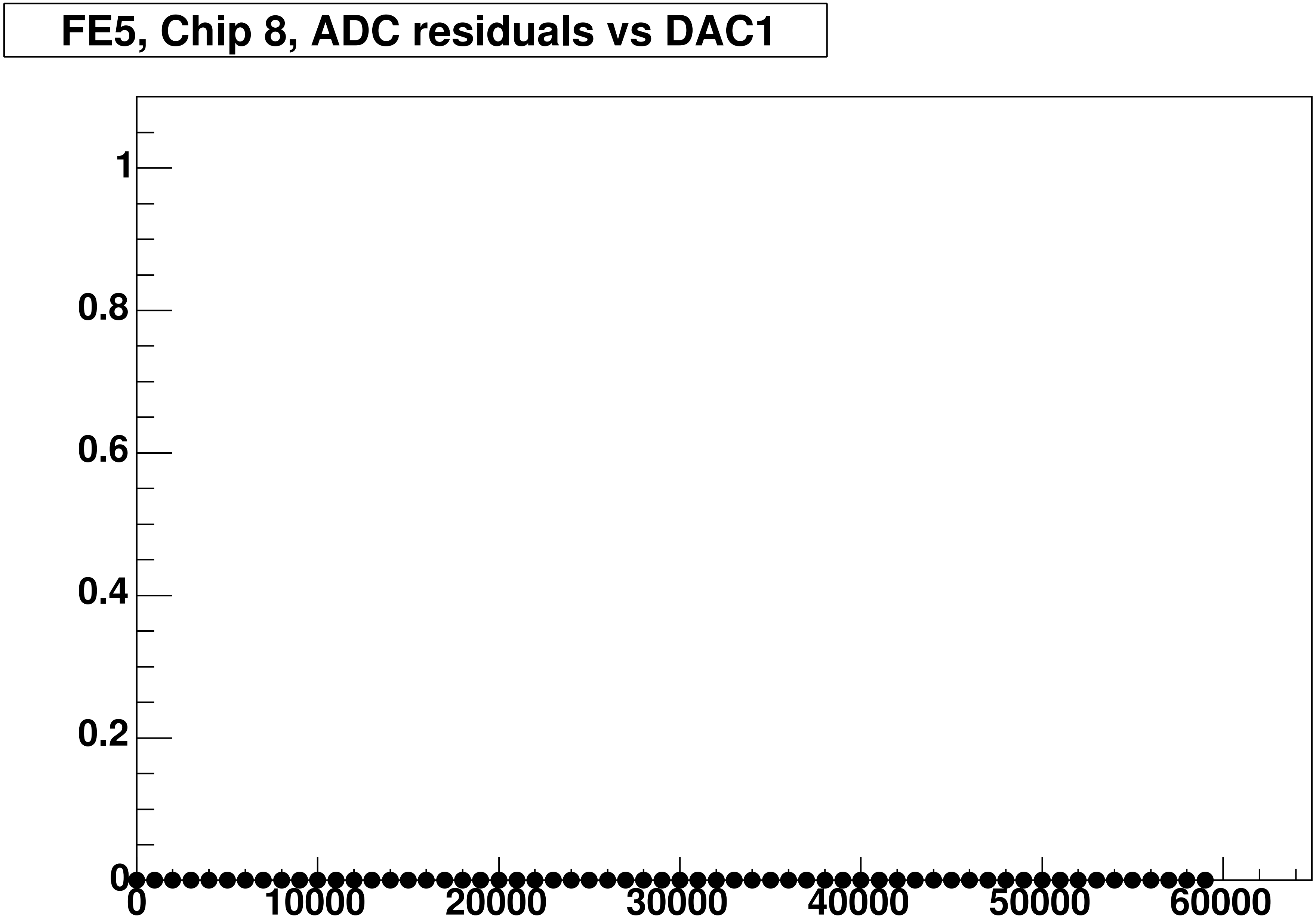
FE5, Chip 8, ADC residuals vs DAC0

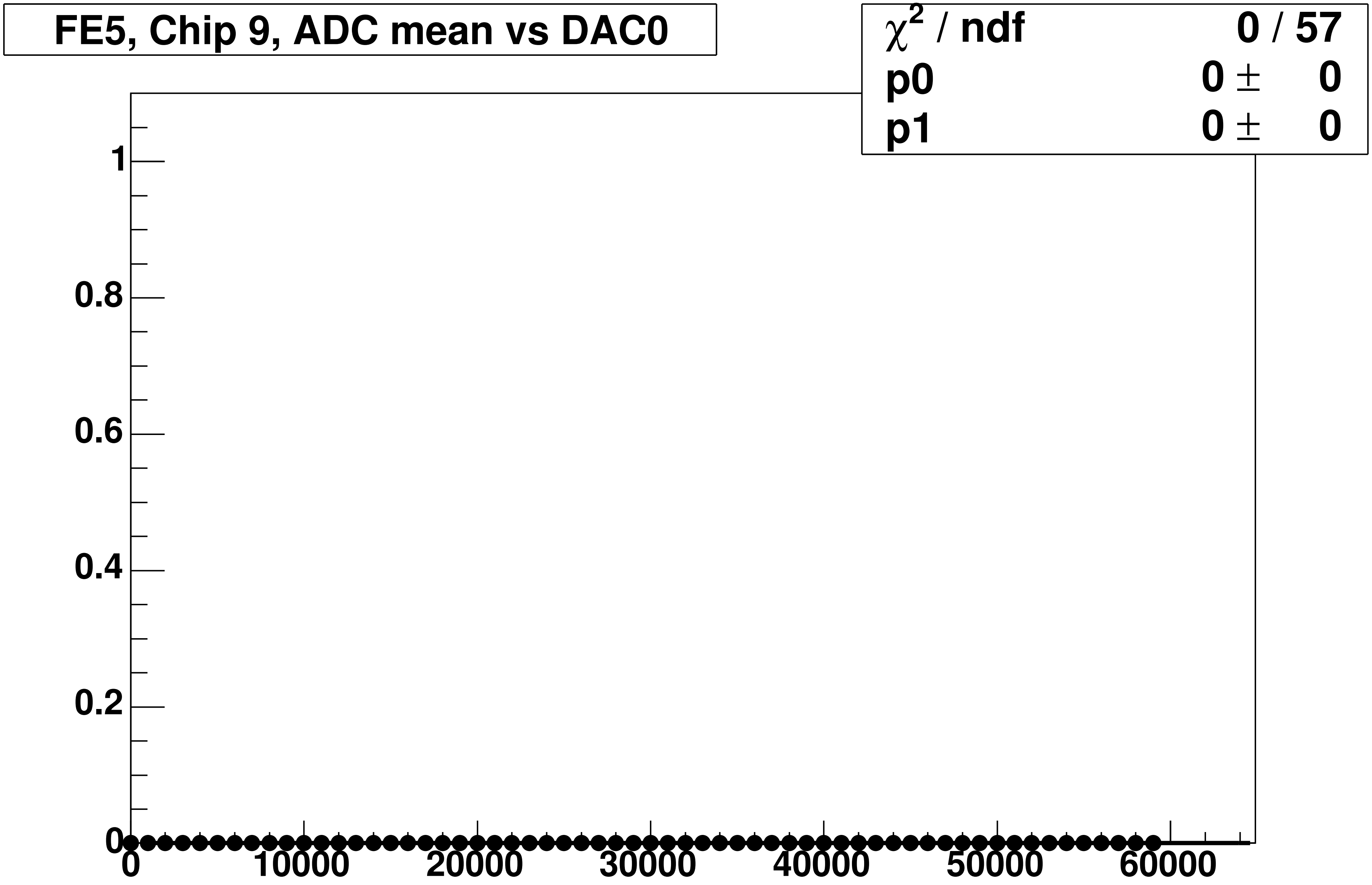




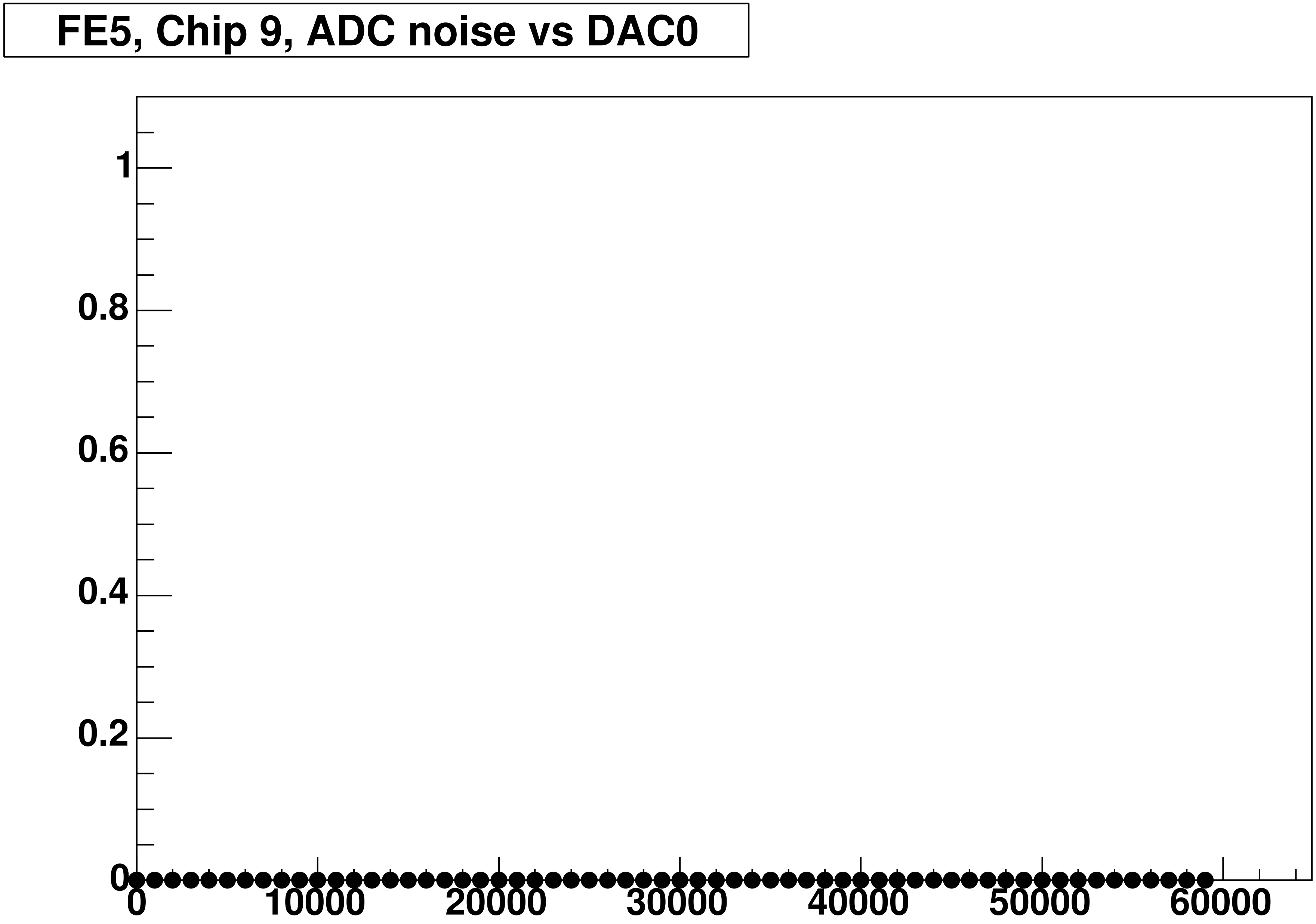
FE5, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

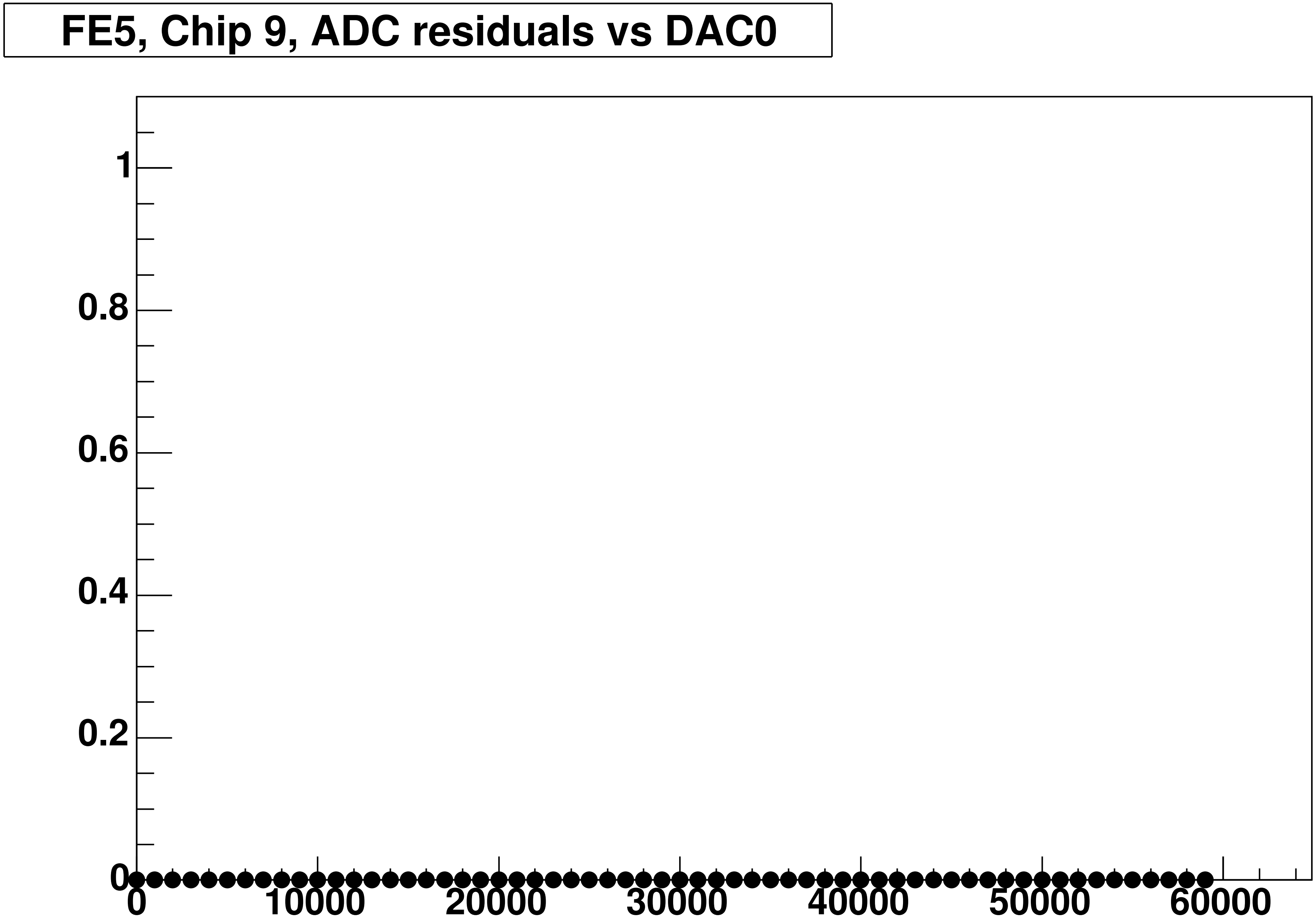

FE5, Chip 8, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

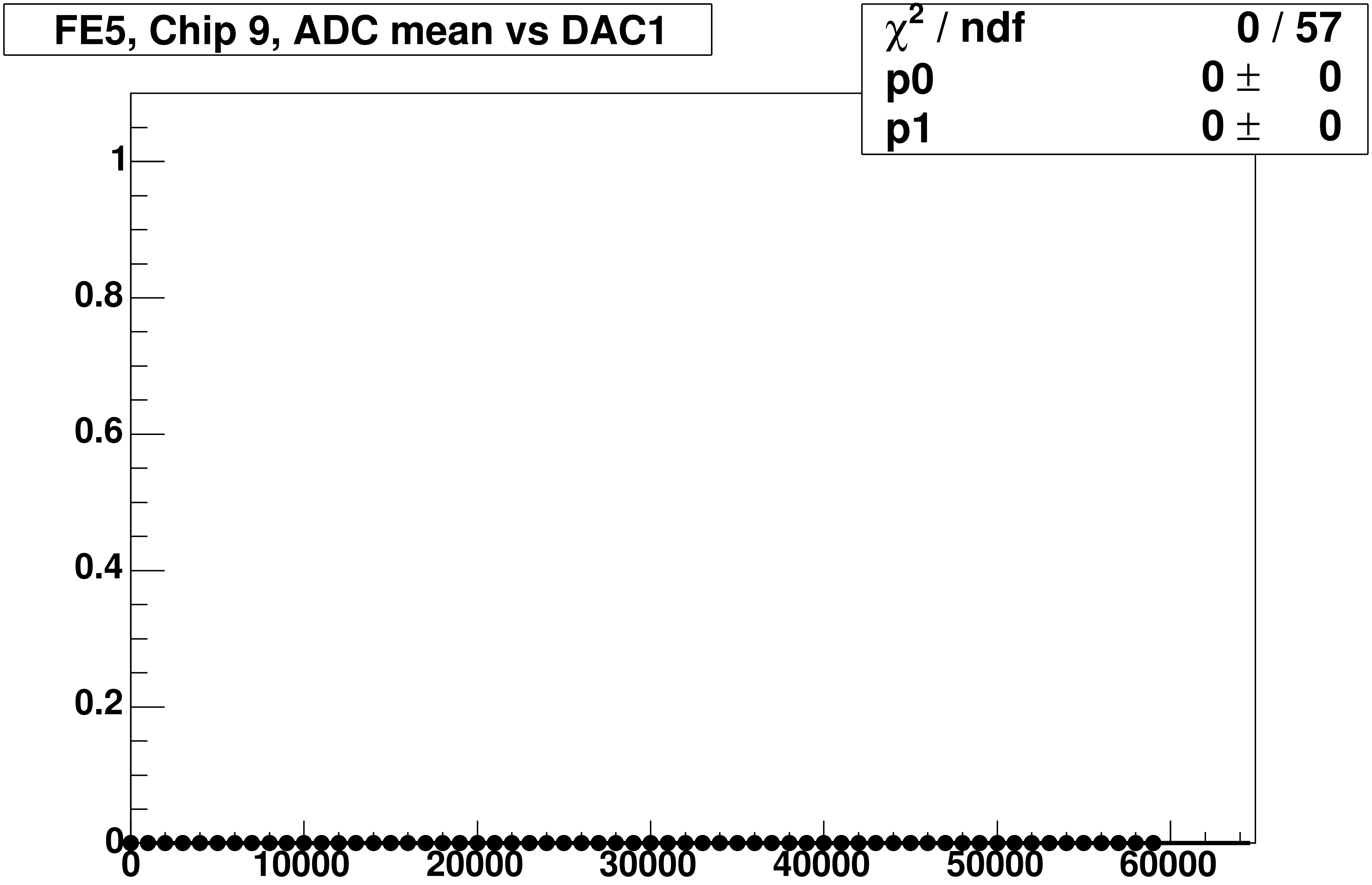

FE5, Chip 8, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



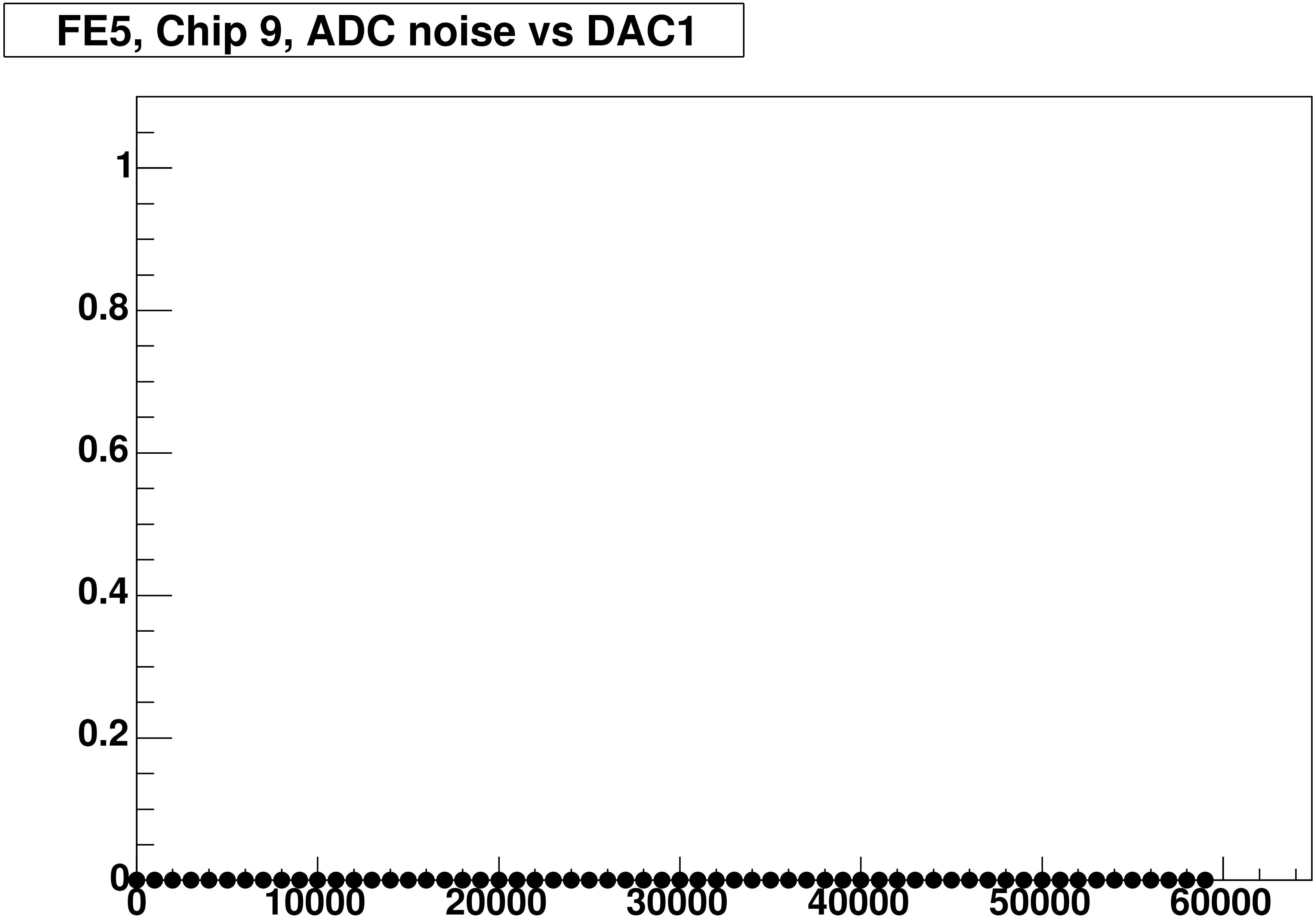
FE5, Chip 9, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 9, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

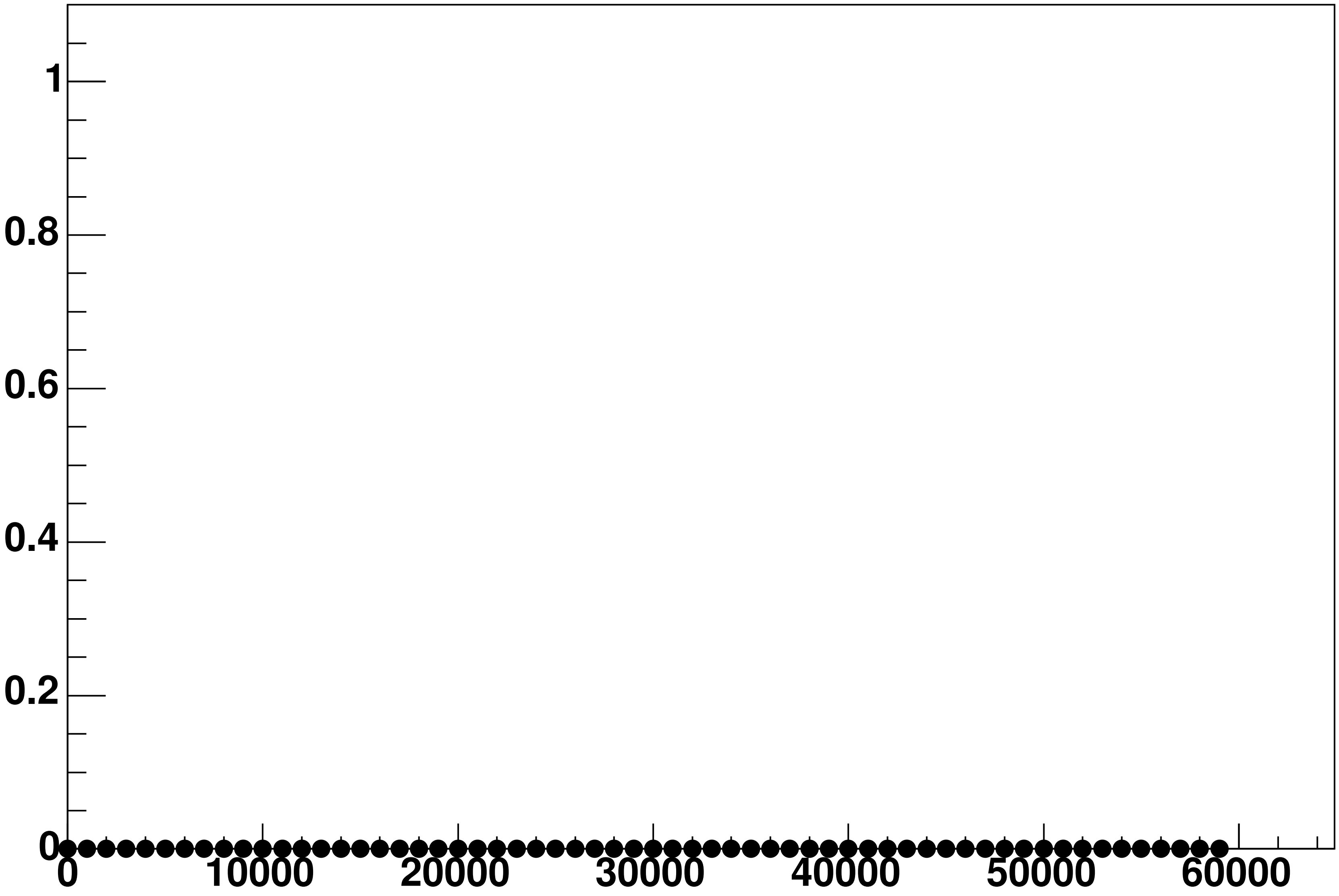

FE5, Chip 9, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

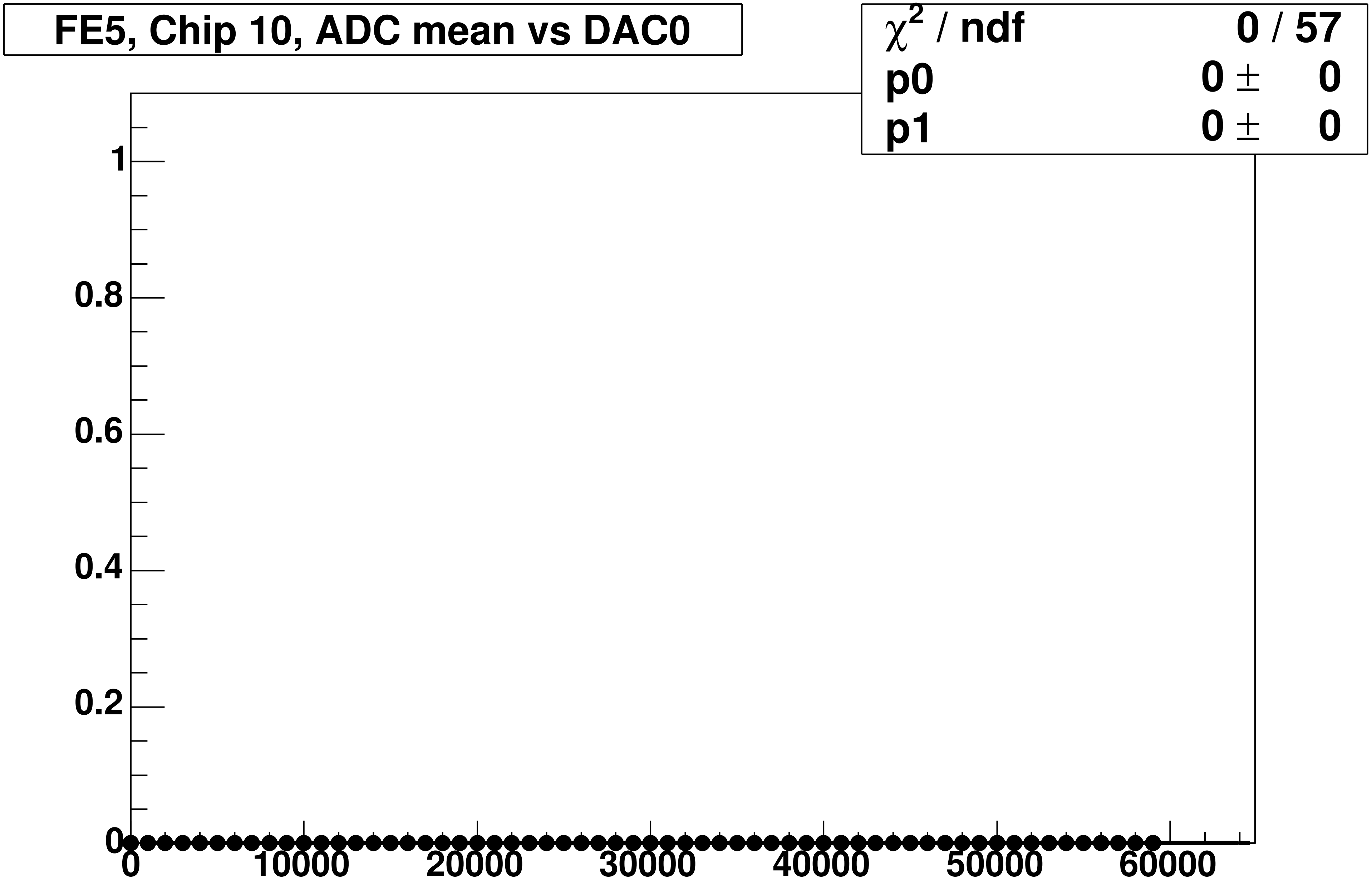


FE5, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

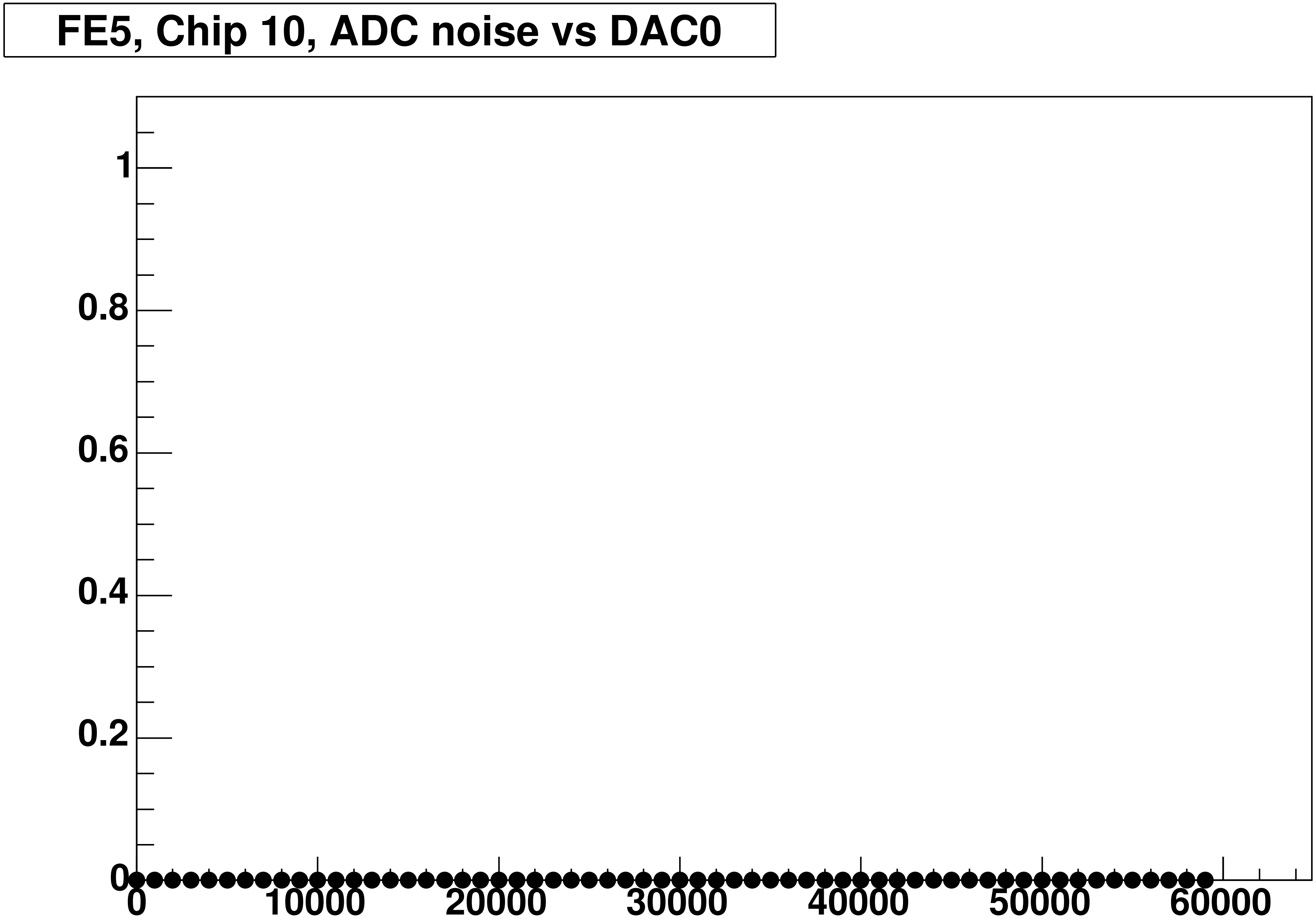

FE5, Chip 9, ADC noise vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

FE5, Chip 9, ADC residuals vs DAC1

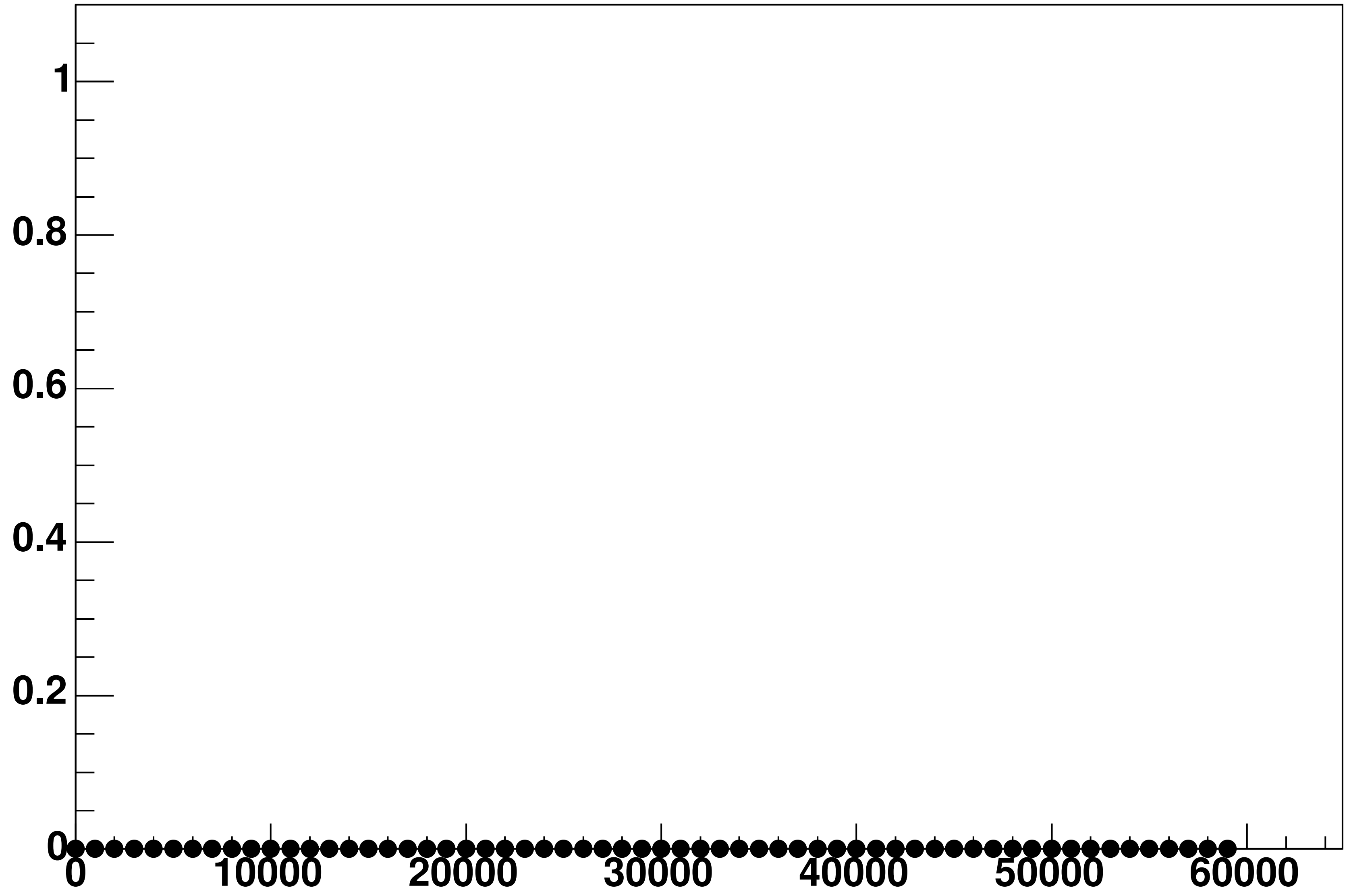


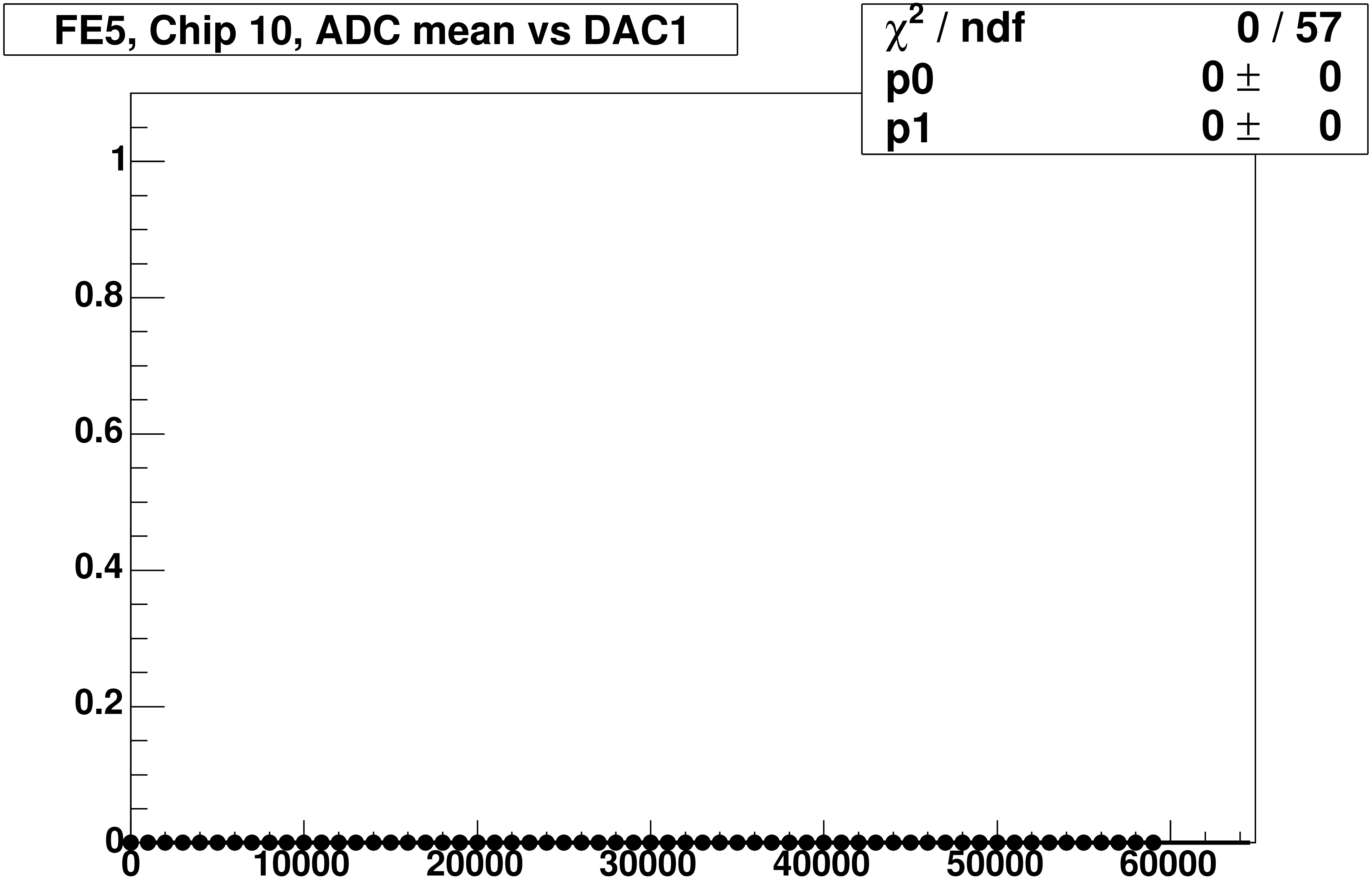


FE5, Chip 10, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 10, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE5, Chip 10, ADC residuals vs DAC0




FE5, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
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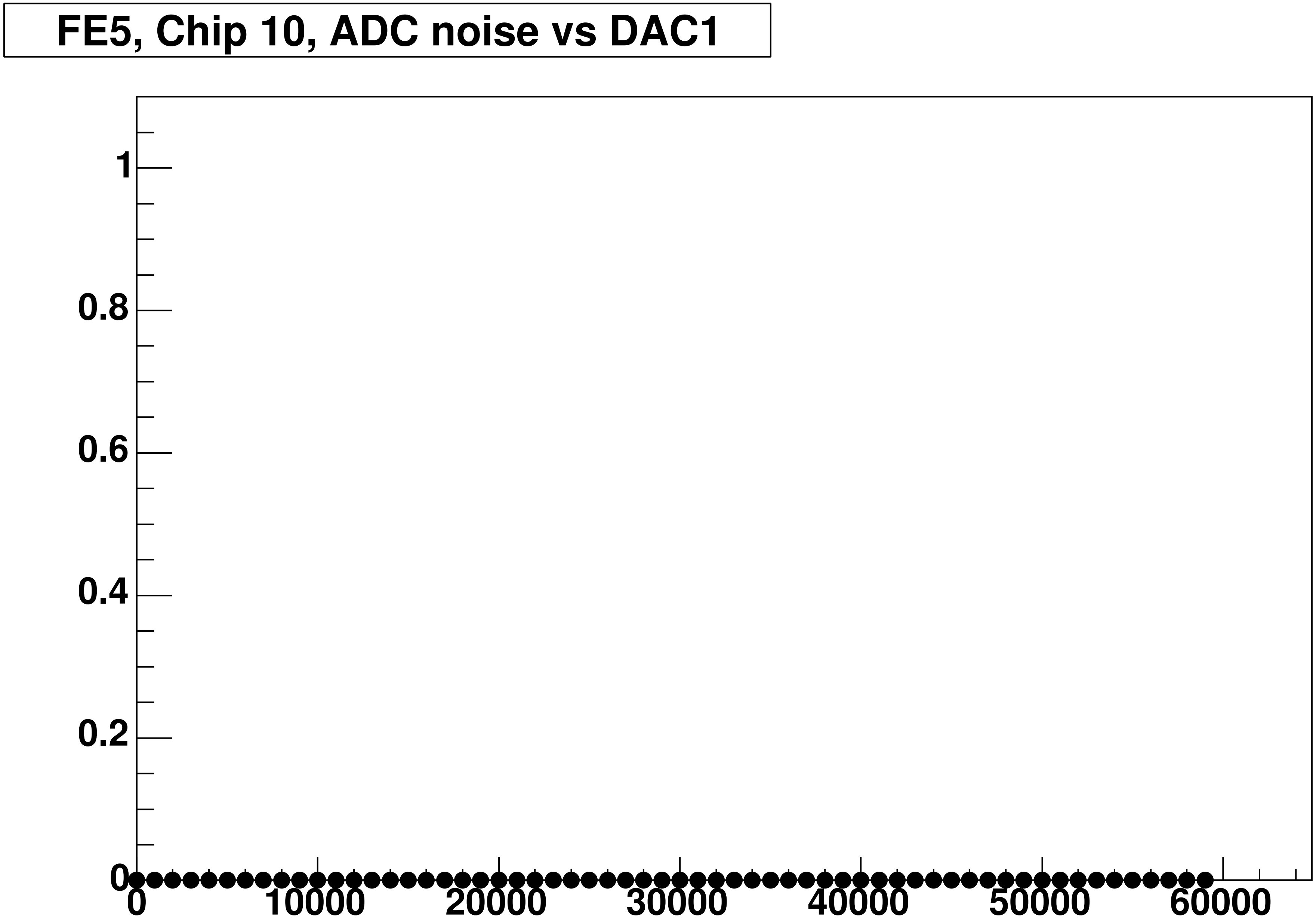
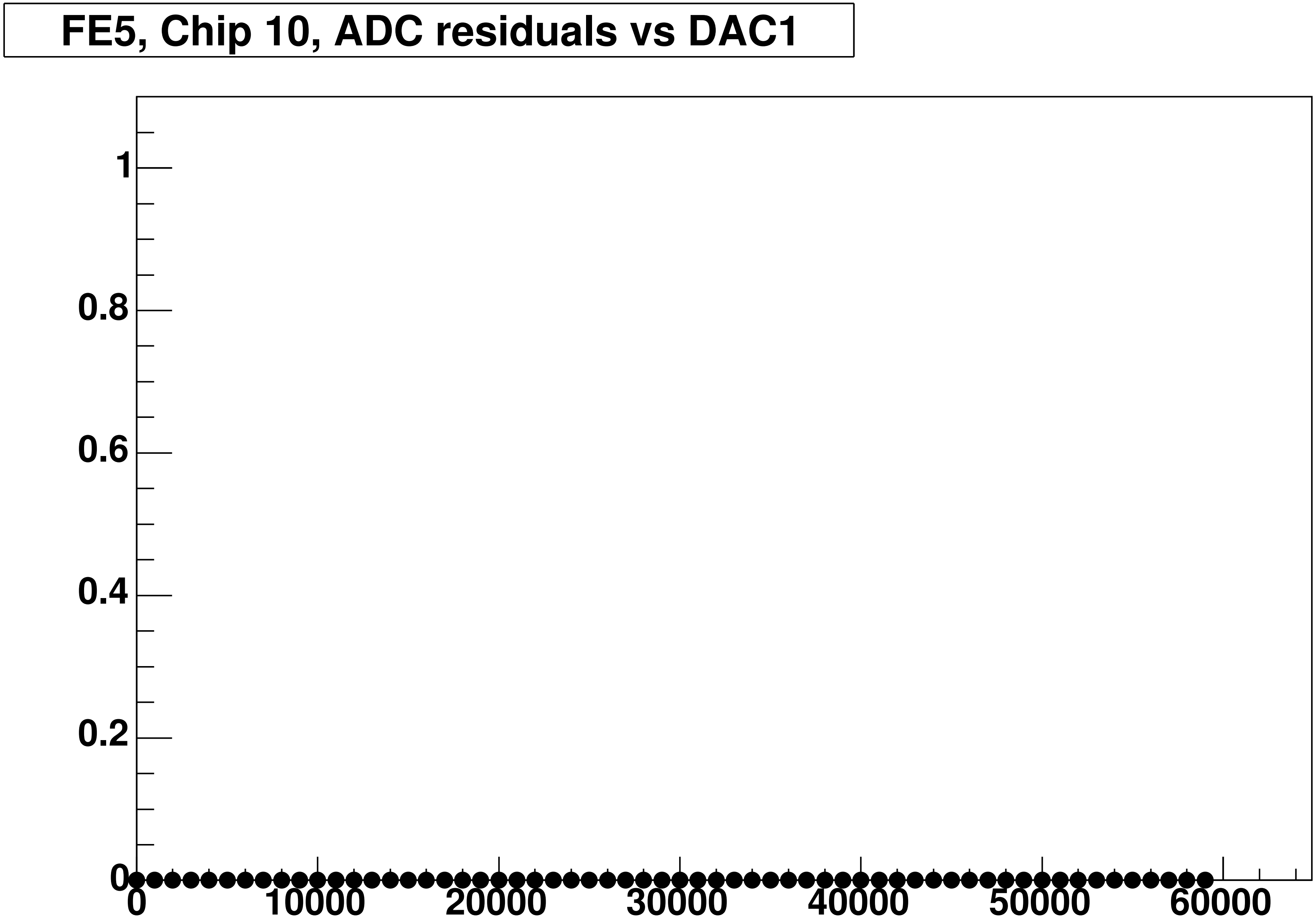
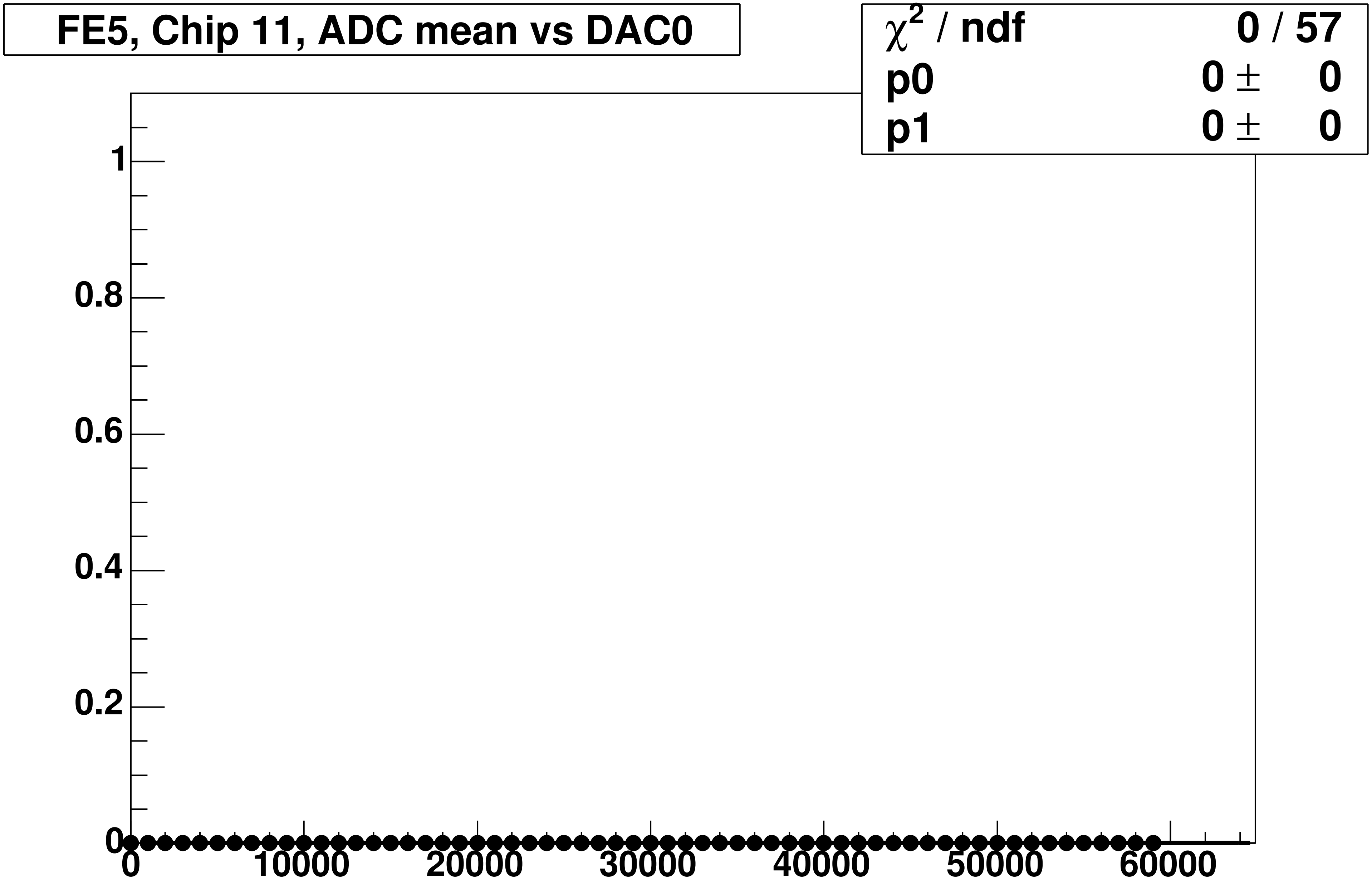
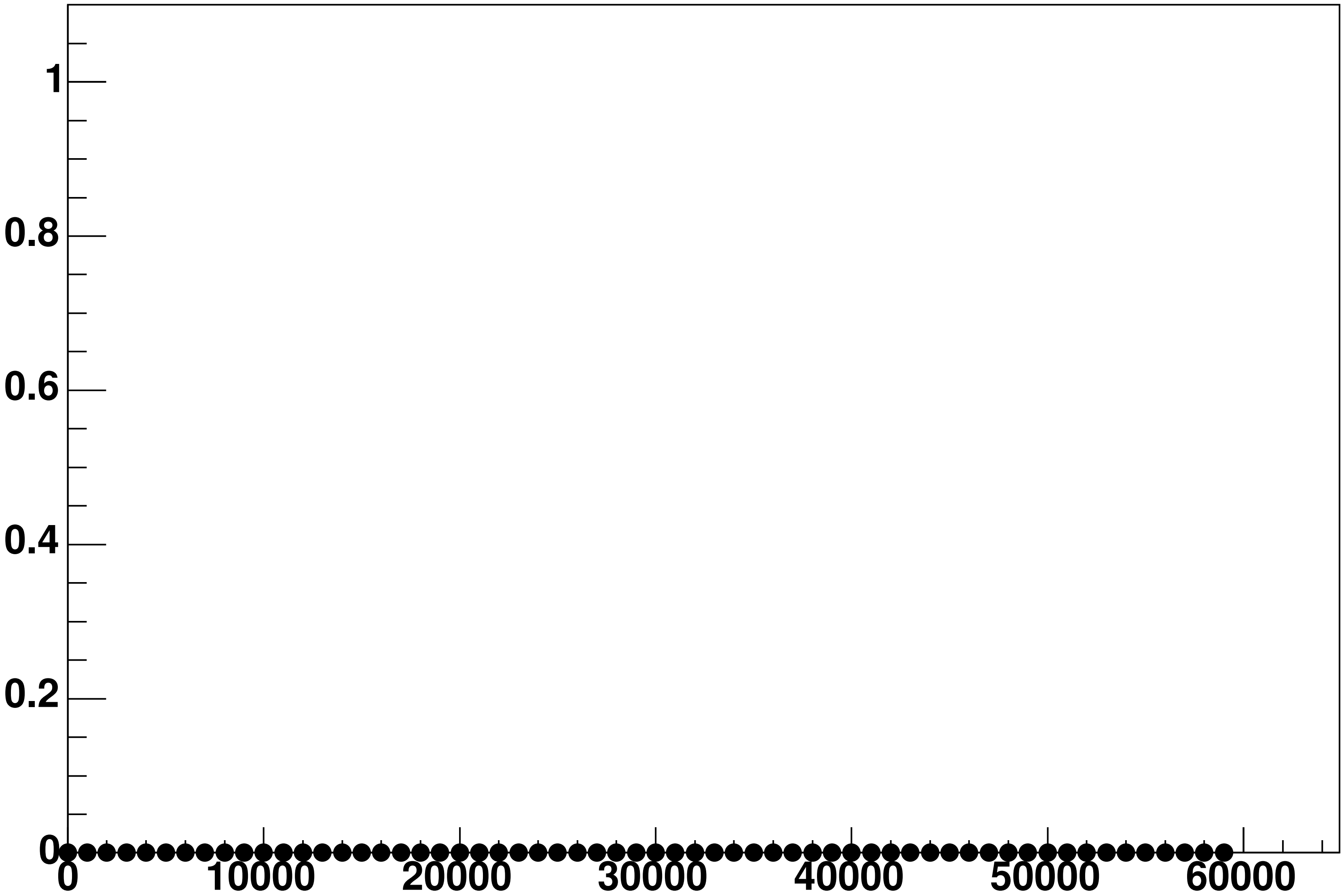

FE5, Chip 10, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 10, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

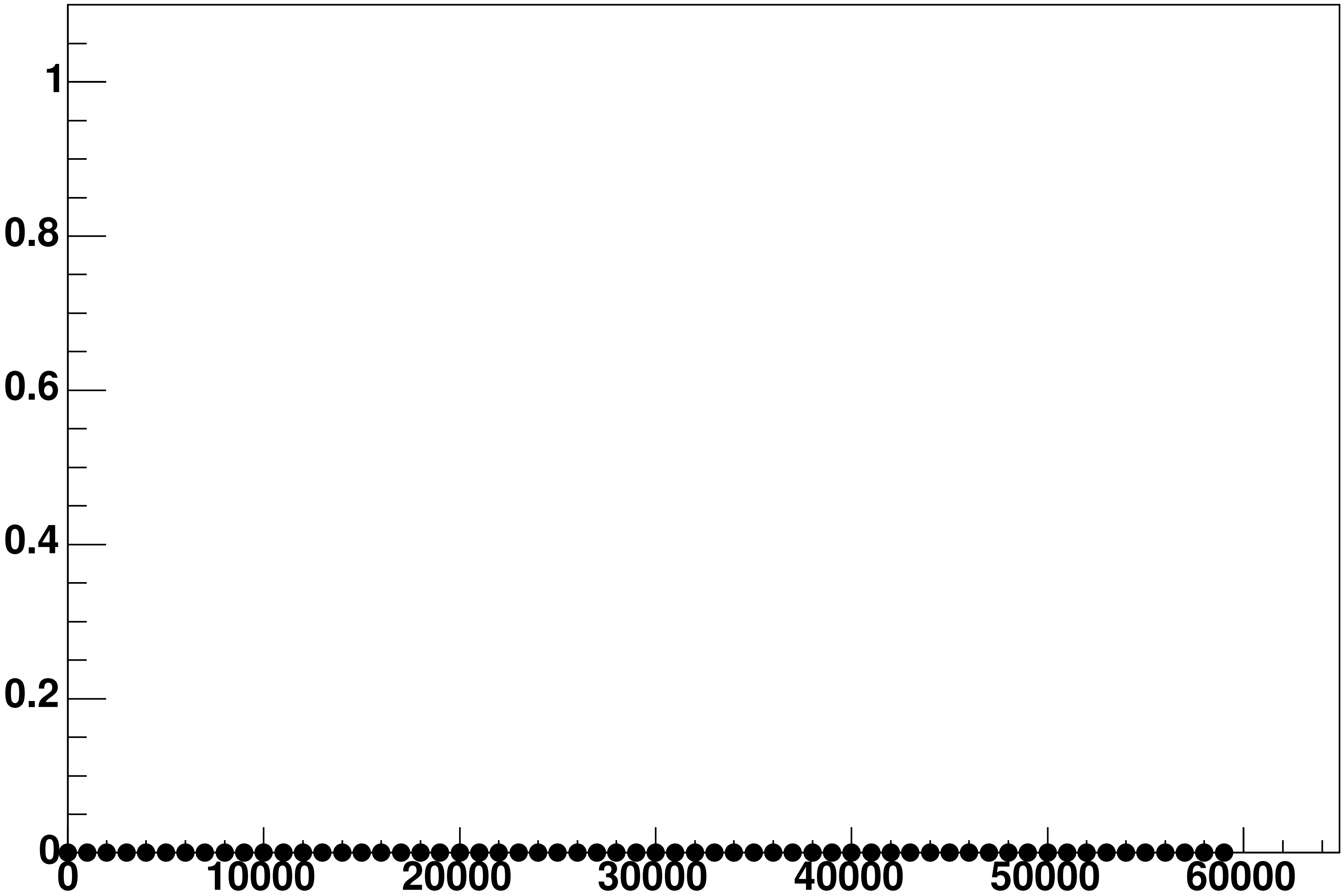


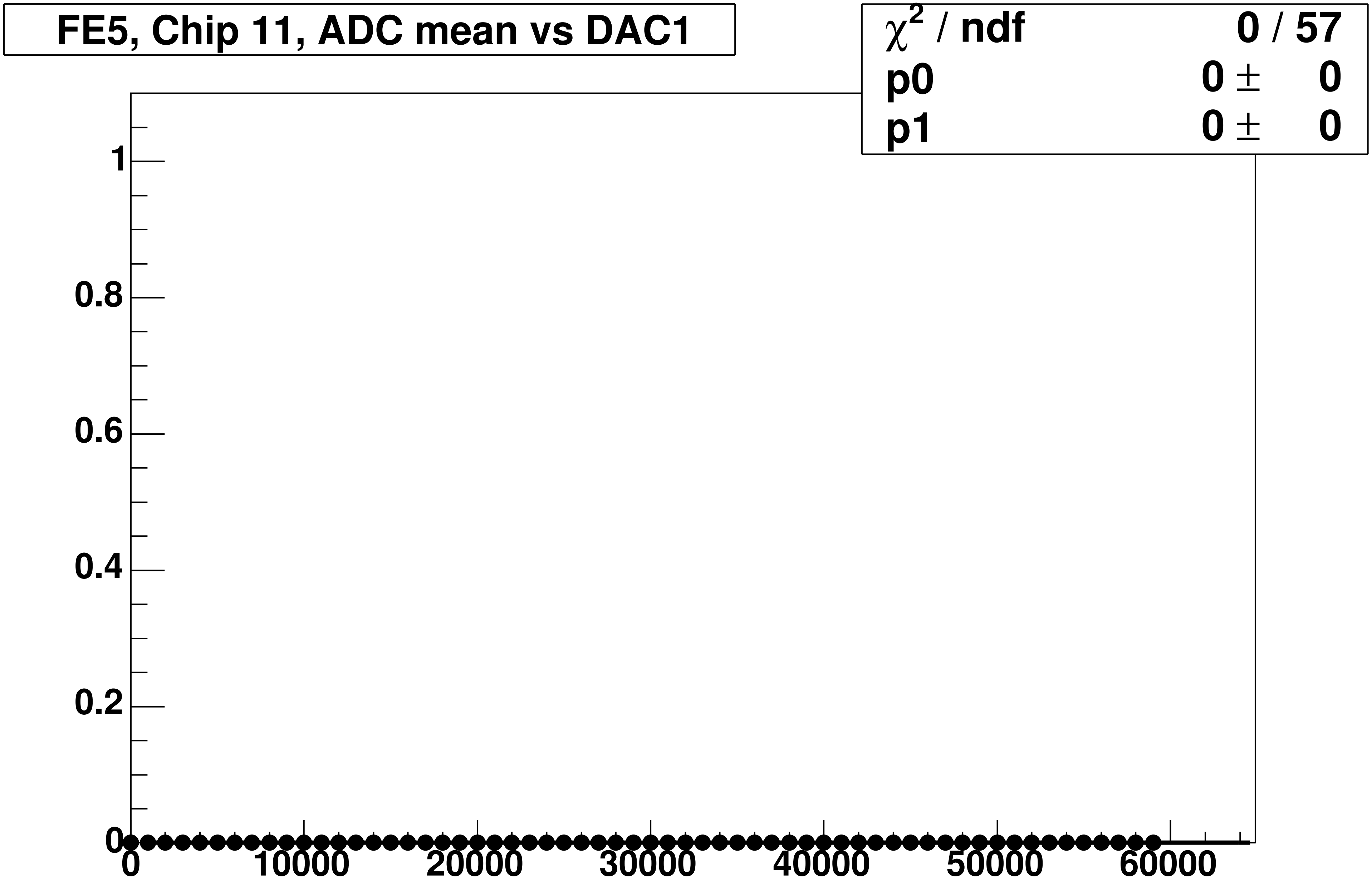
FE5, Chip 11, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

FE5, Chip 11, ADC noise vs DAC0



FE5, Chip 11, ADC residuals vs DAC0





FE5, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
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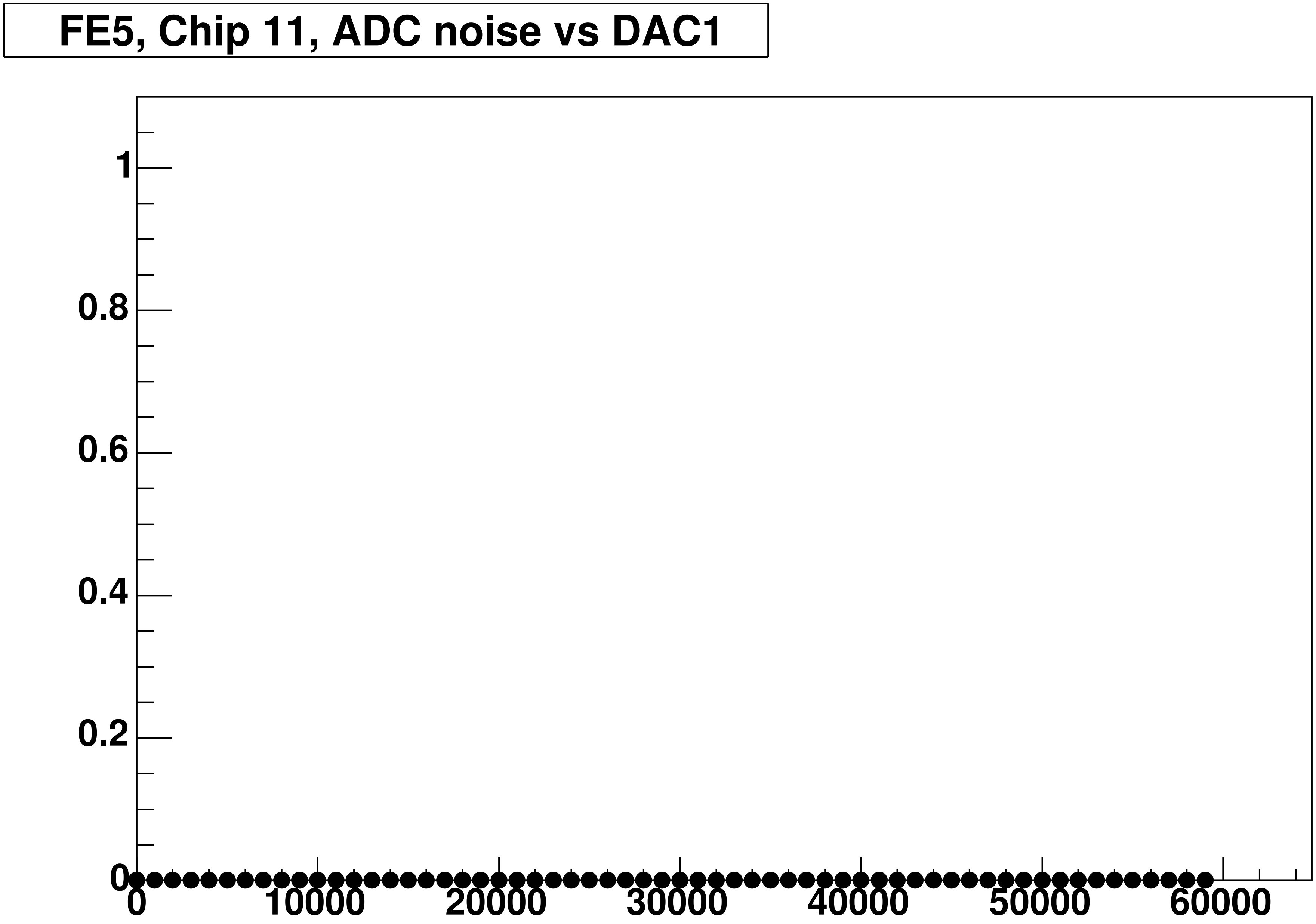
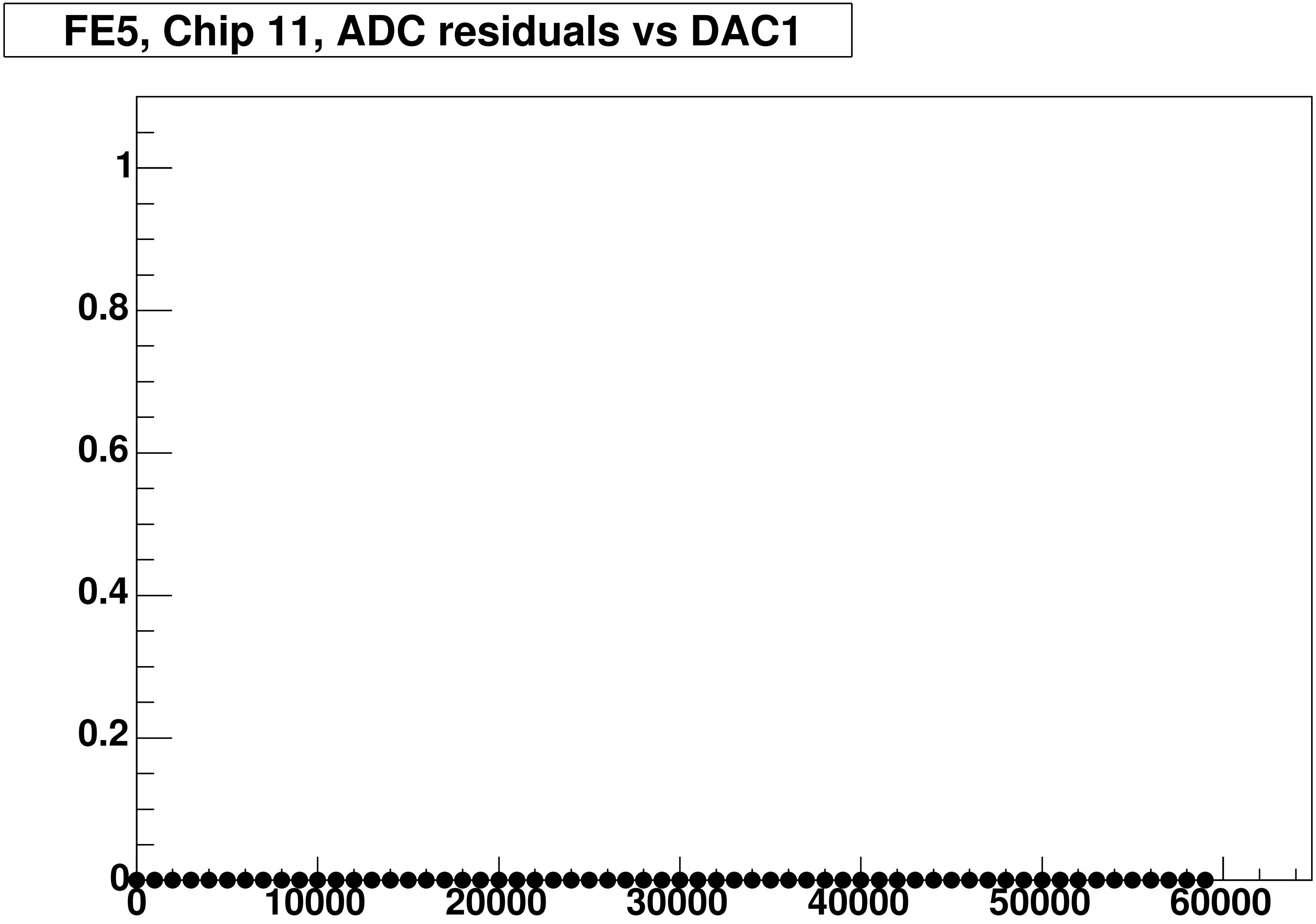
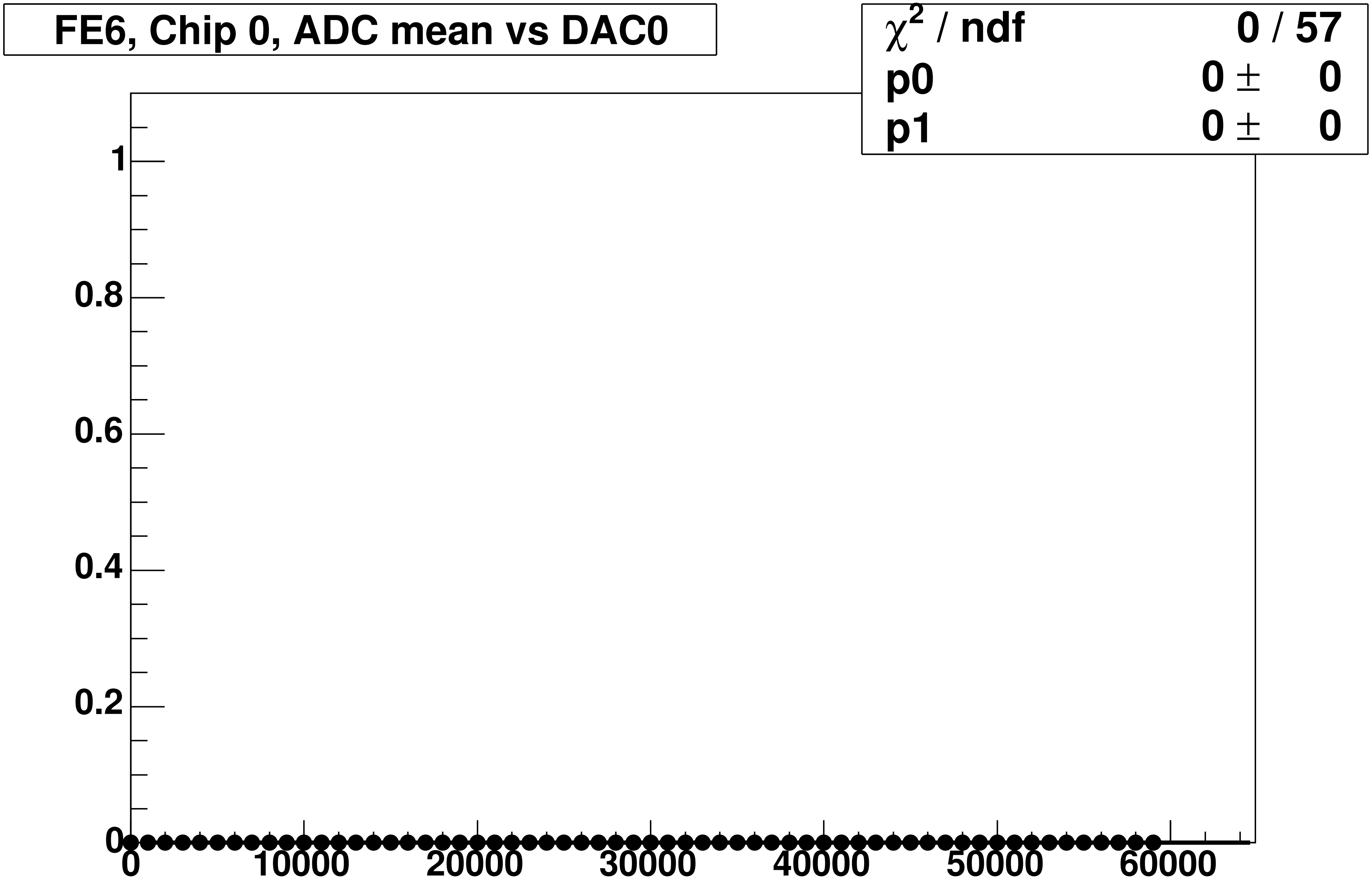
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 11, ADC noise vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000


FE5, Chip 11, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
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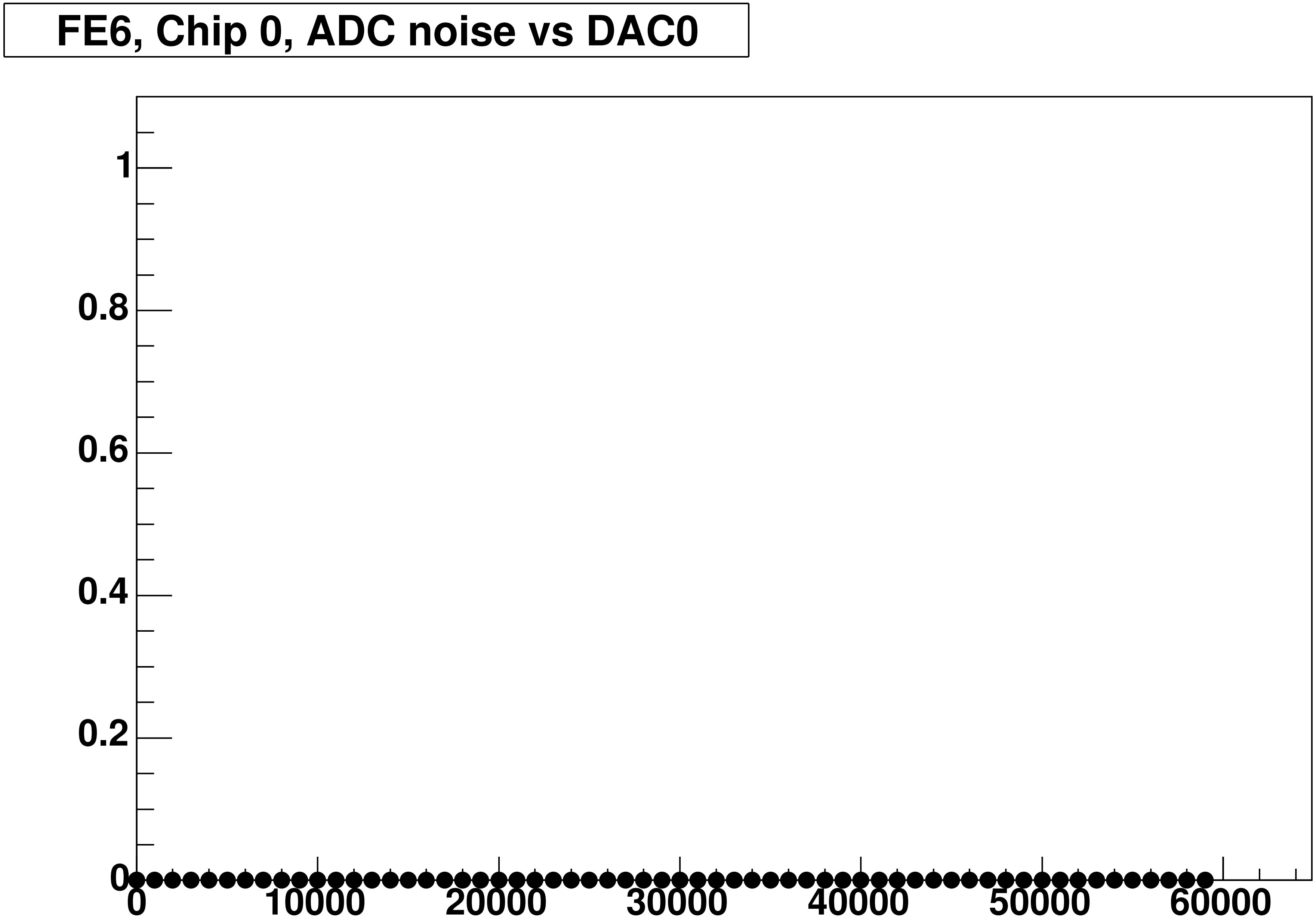
60000


FE6, Chip 0, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
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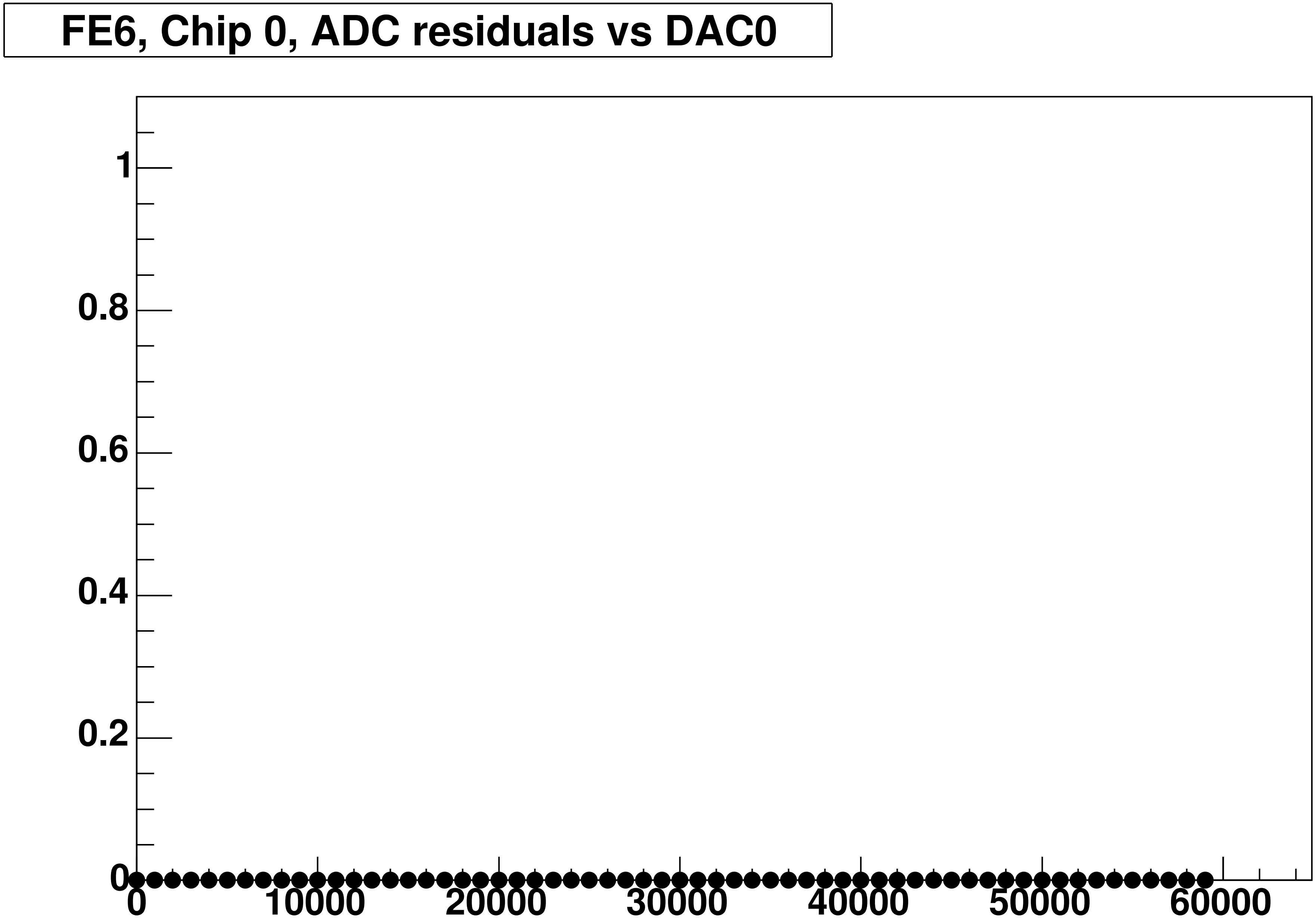
50000
60000


FE6, Chip 0, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
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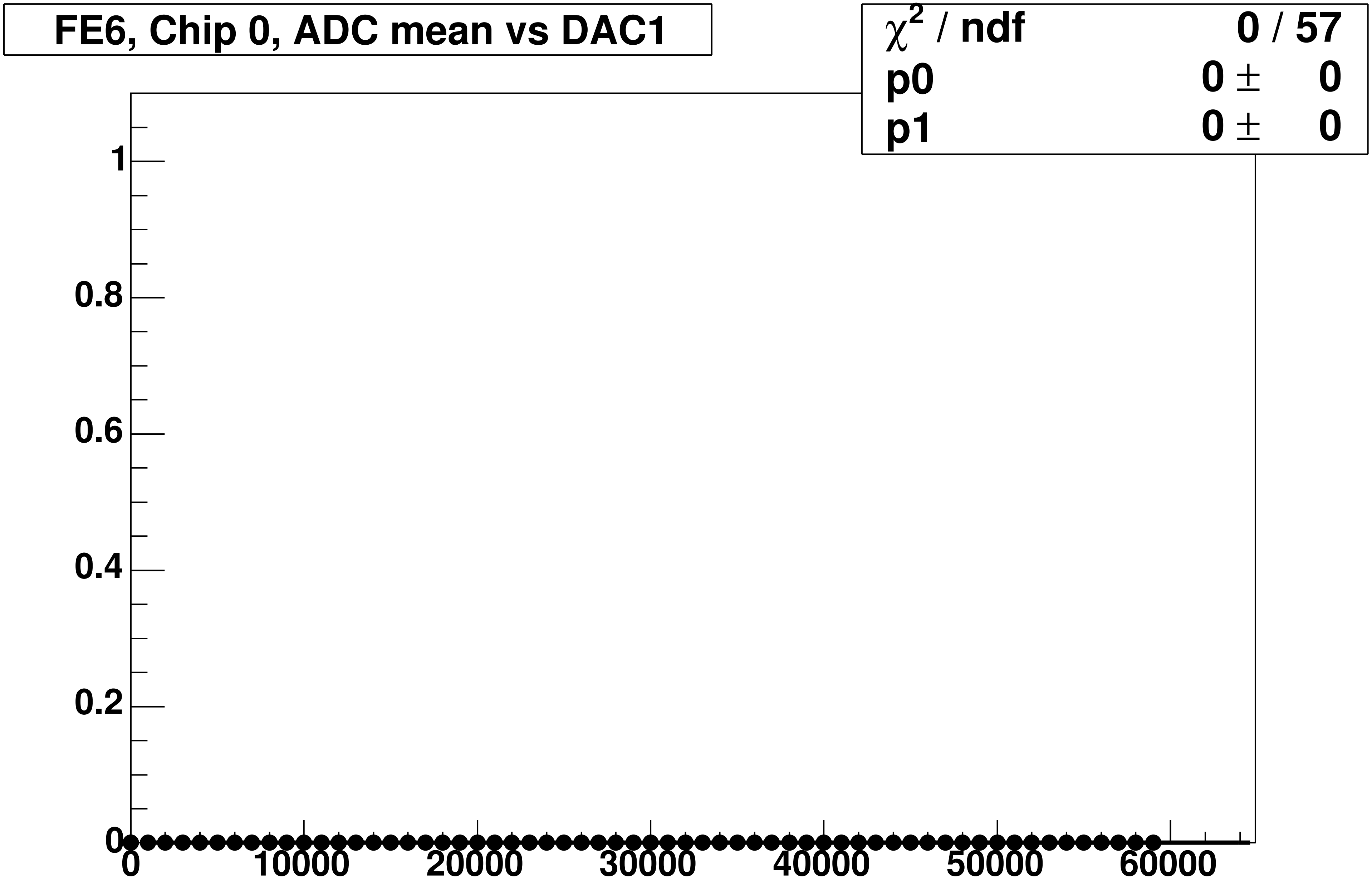
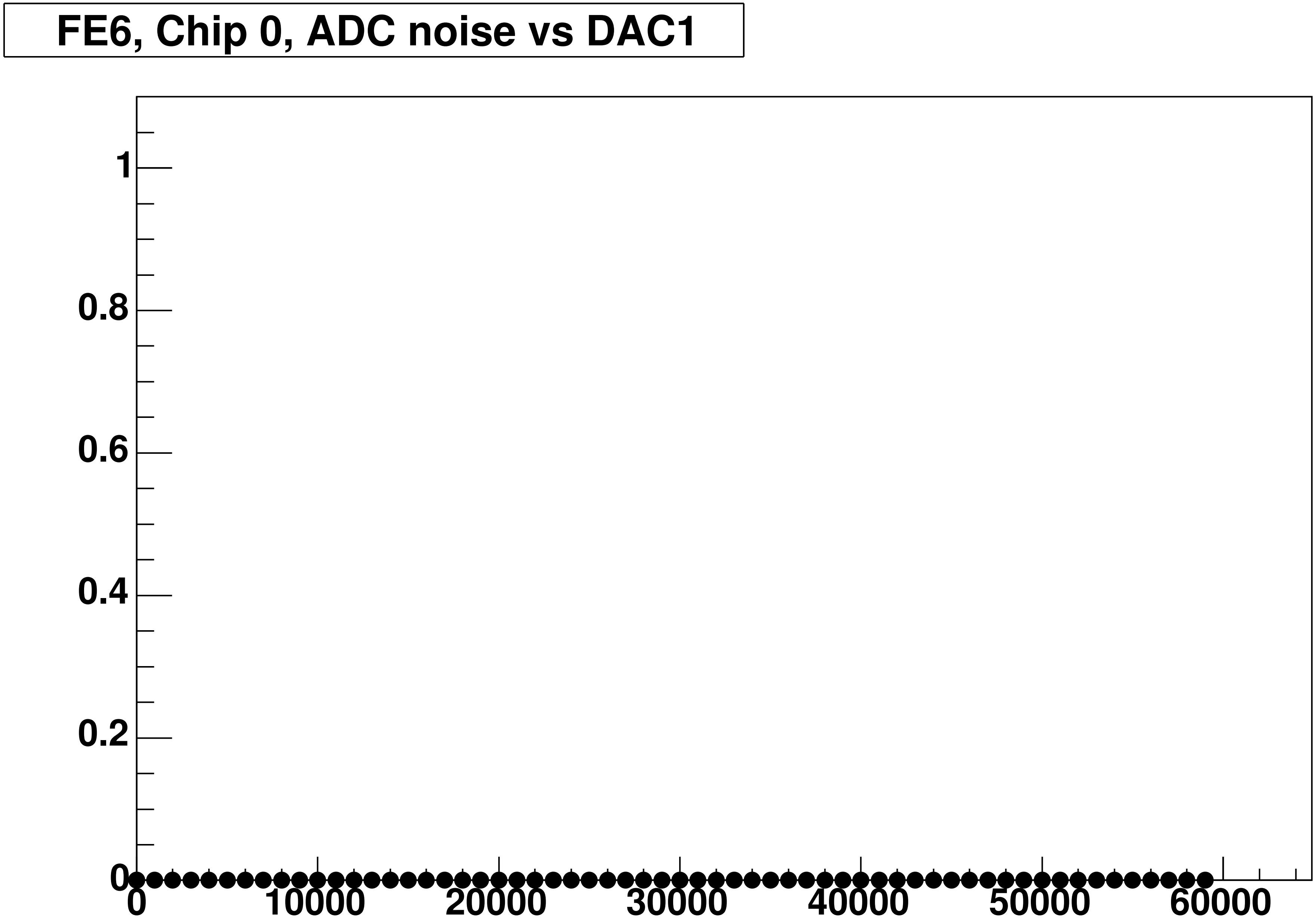
50000
60000

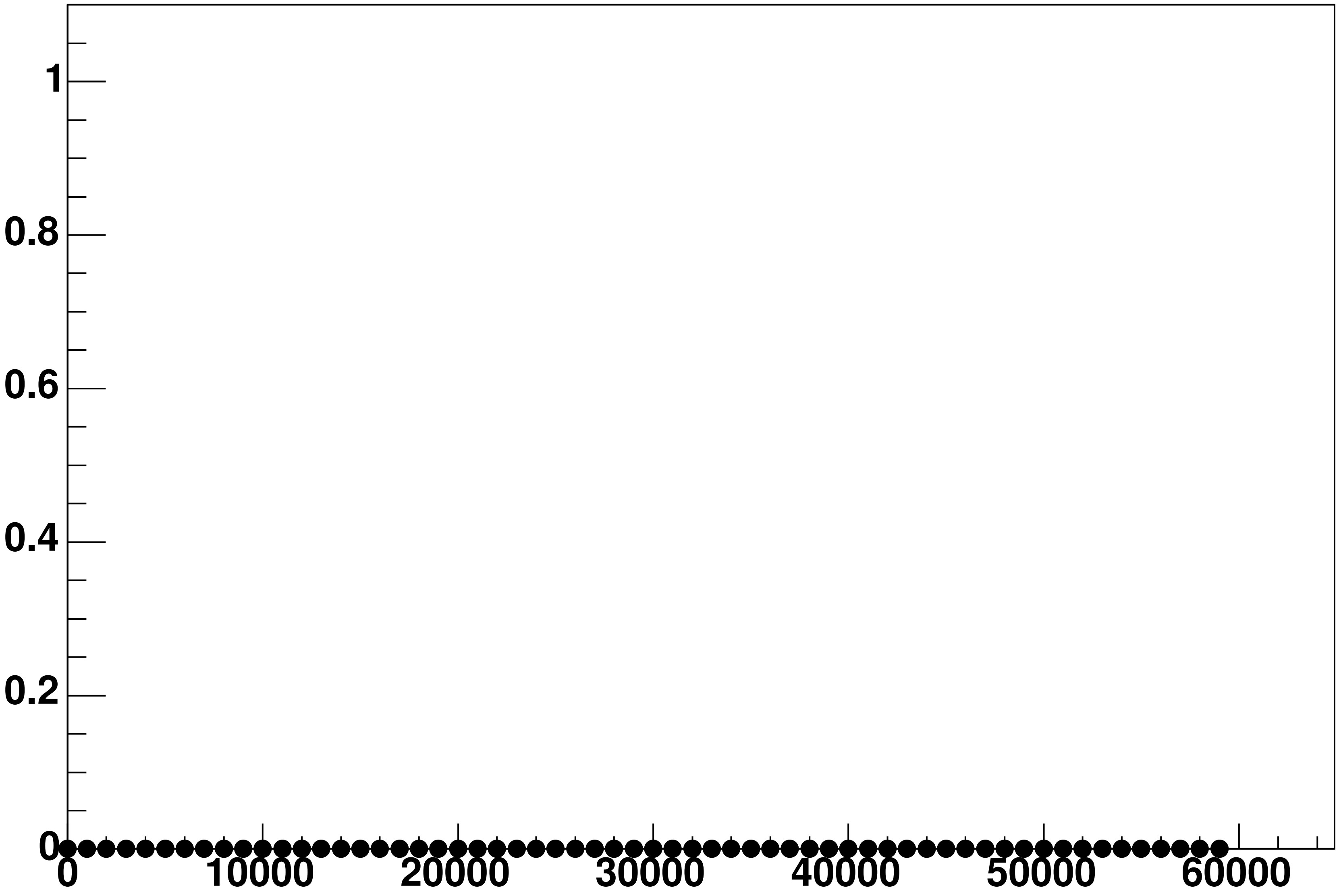


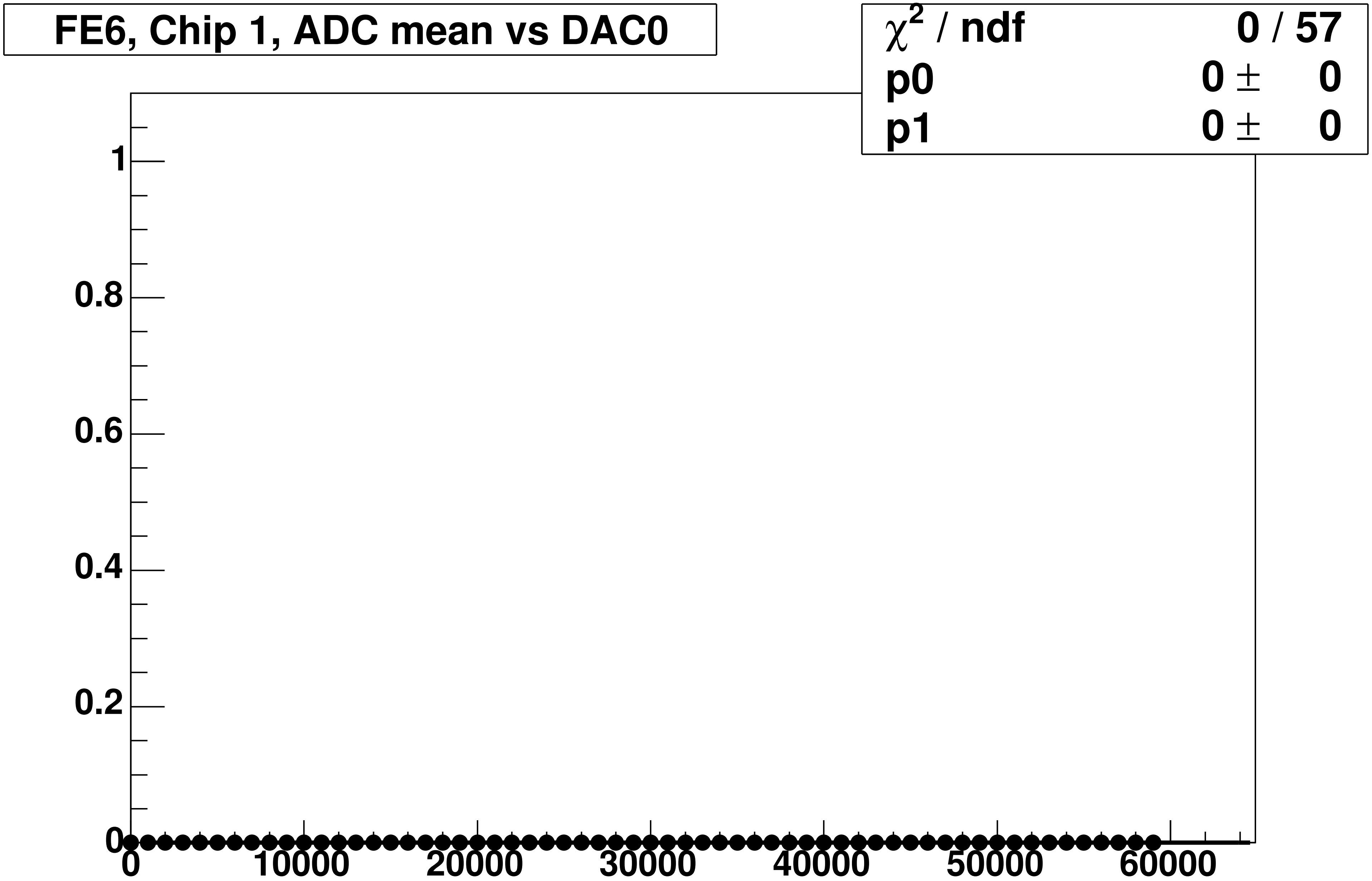
FE6, Chip 0, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



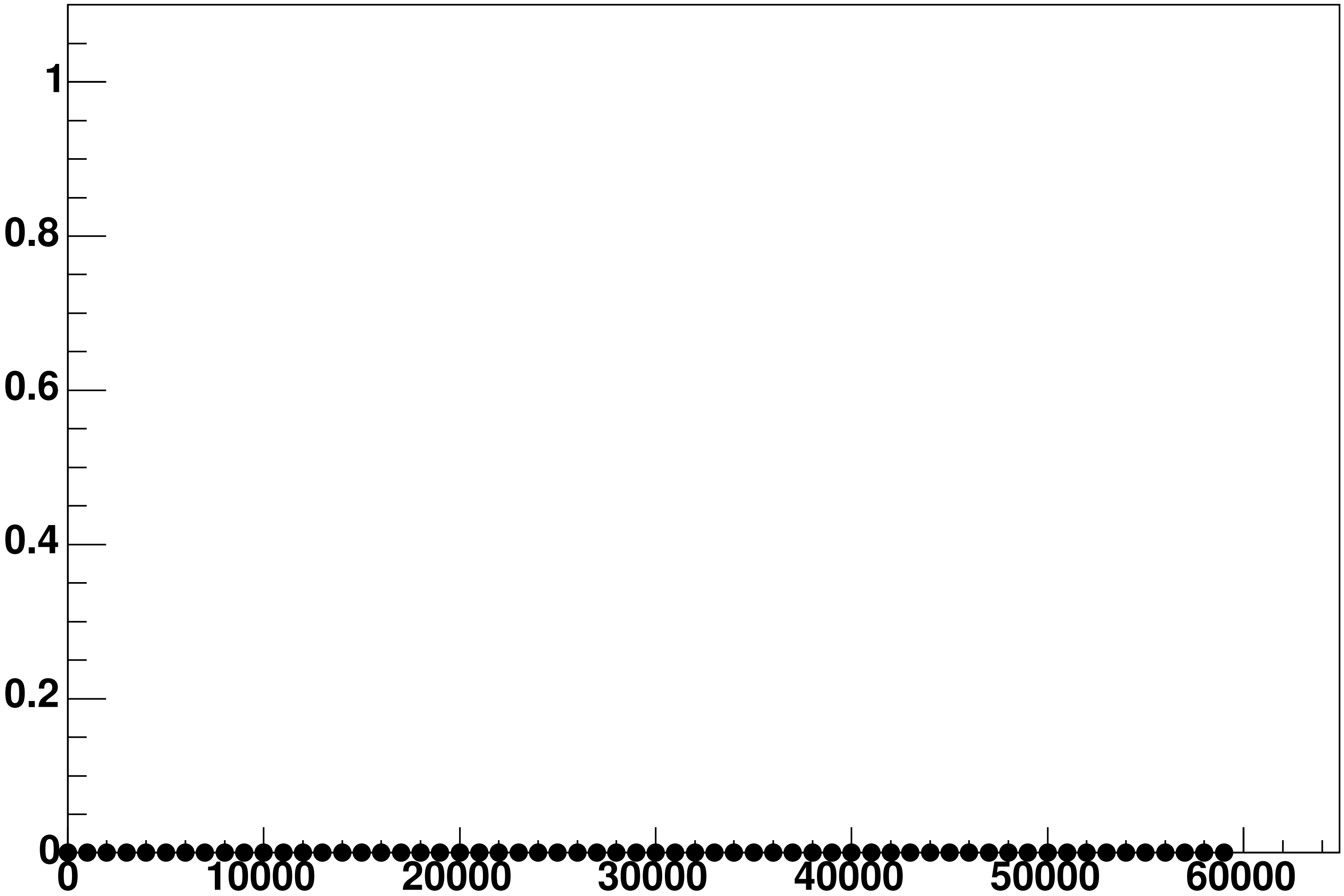
FE6, Chip 0, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

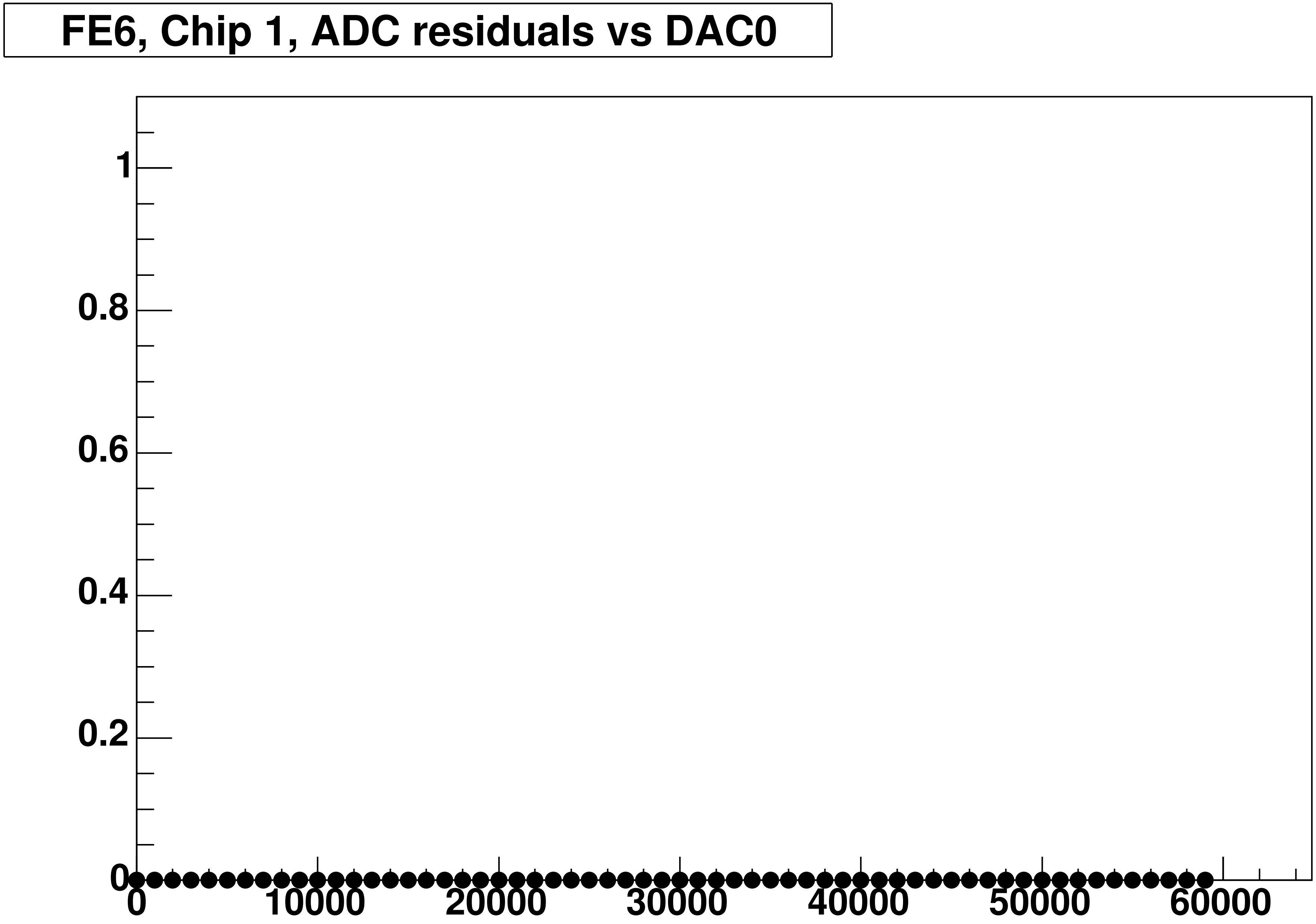
FE6, Chip 0, ADC residuals vs DAC1

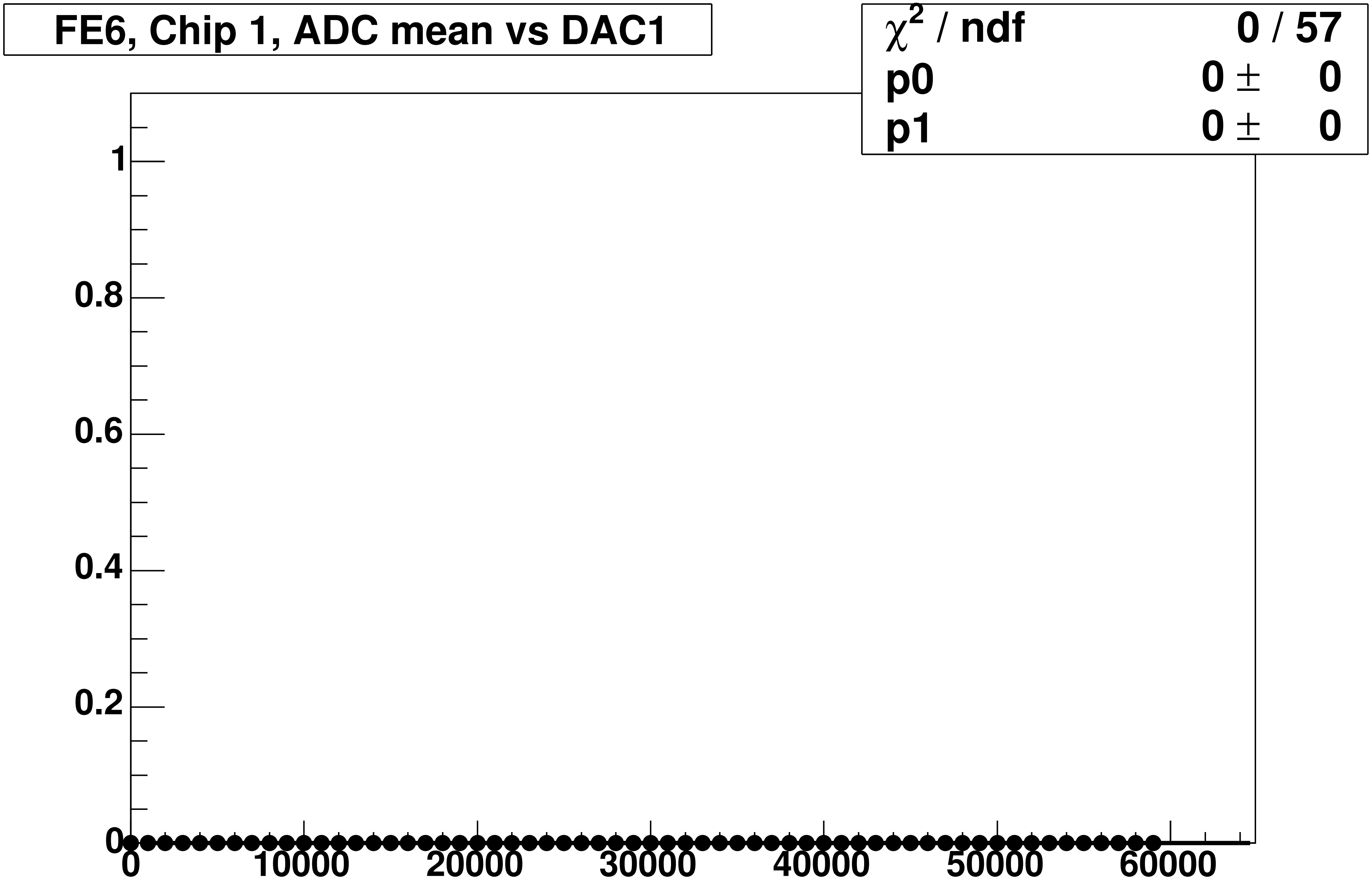


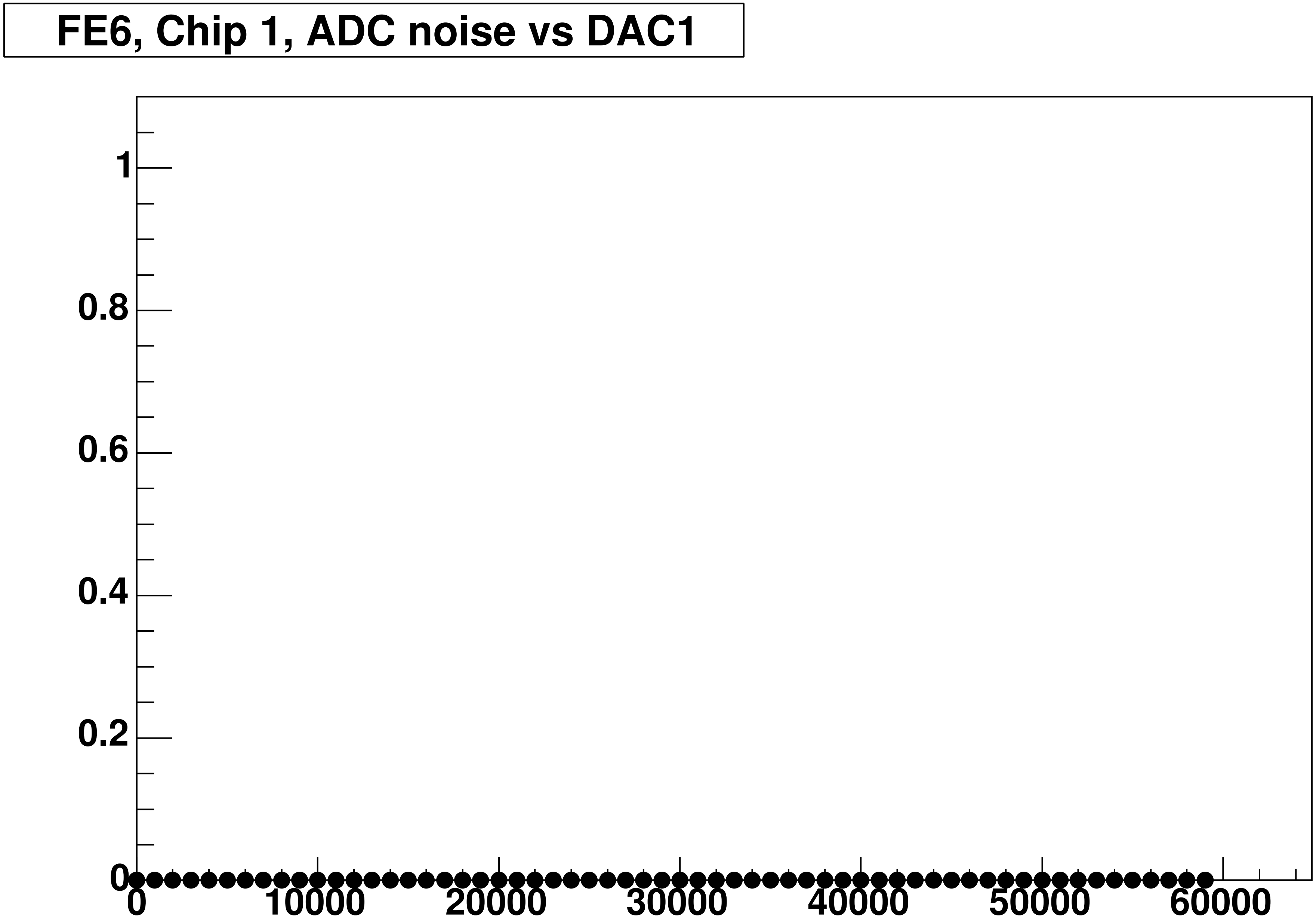

FE6, Chip 1, ADC mean vs DAC0
χ2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

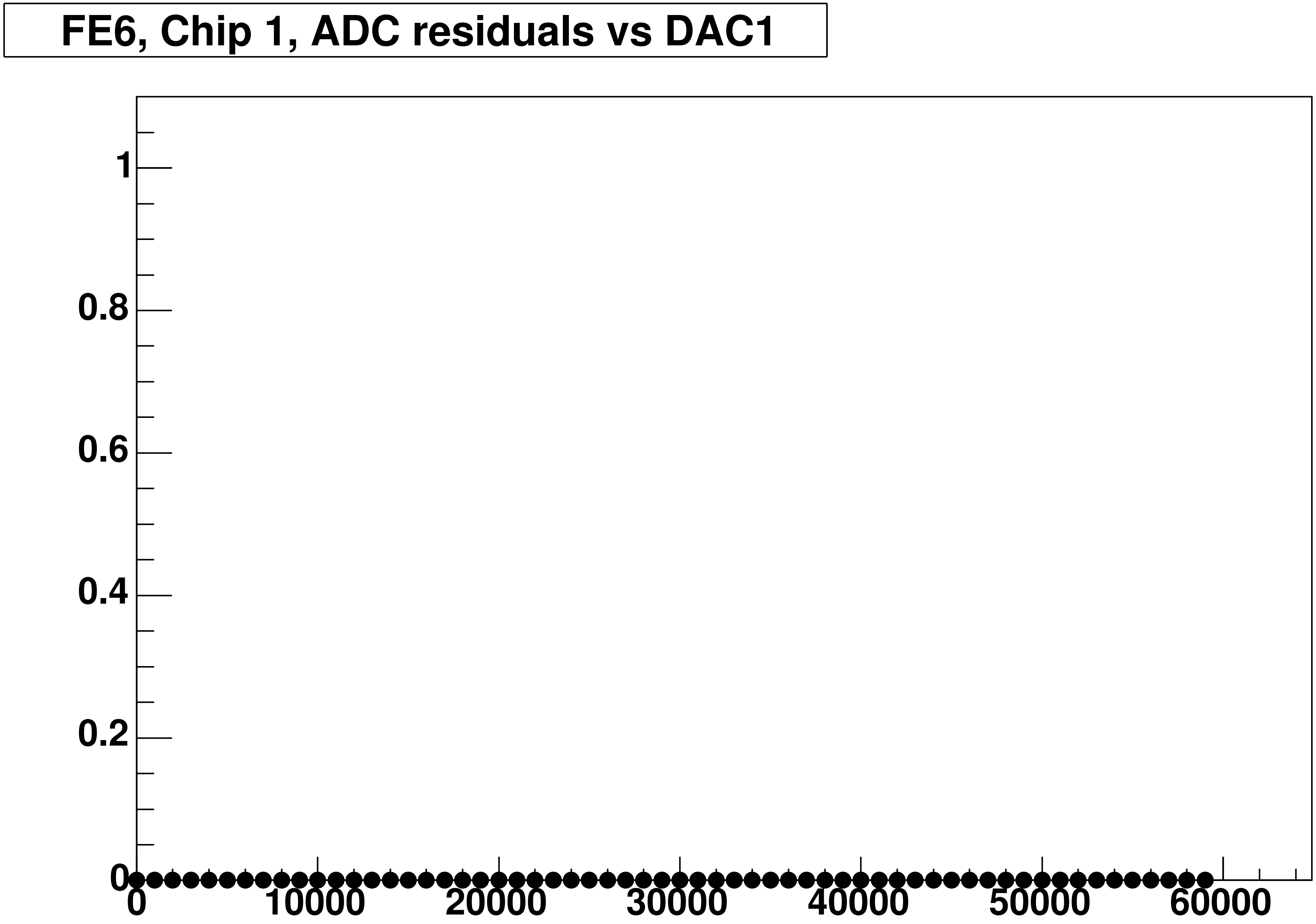
FE6, Chip 1, ADC noise vs DAC0

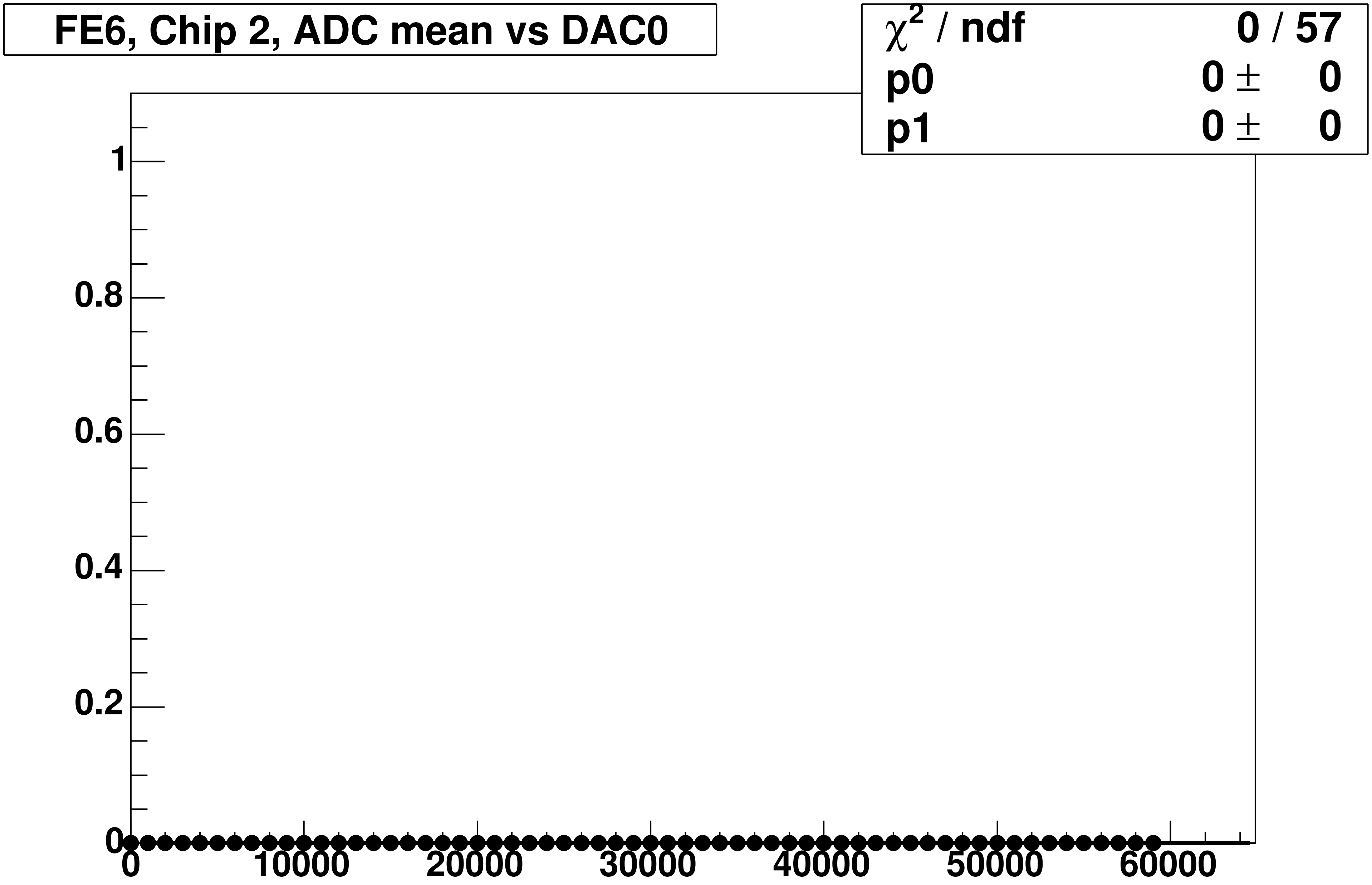


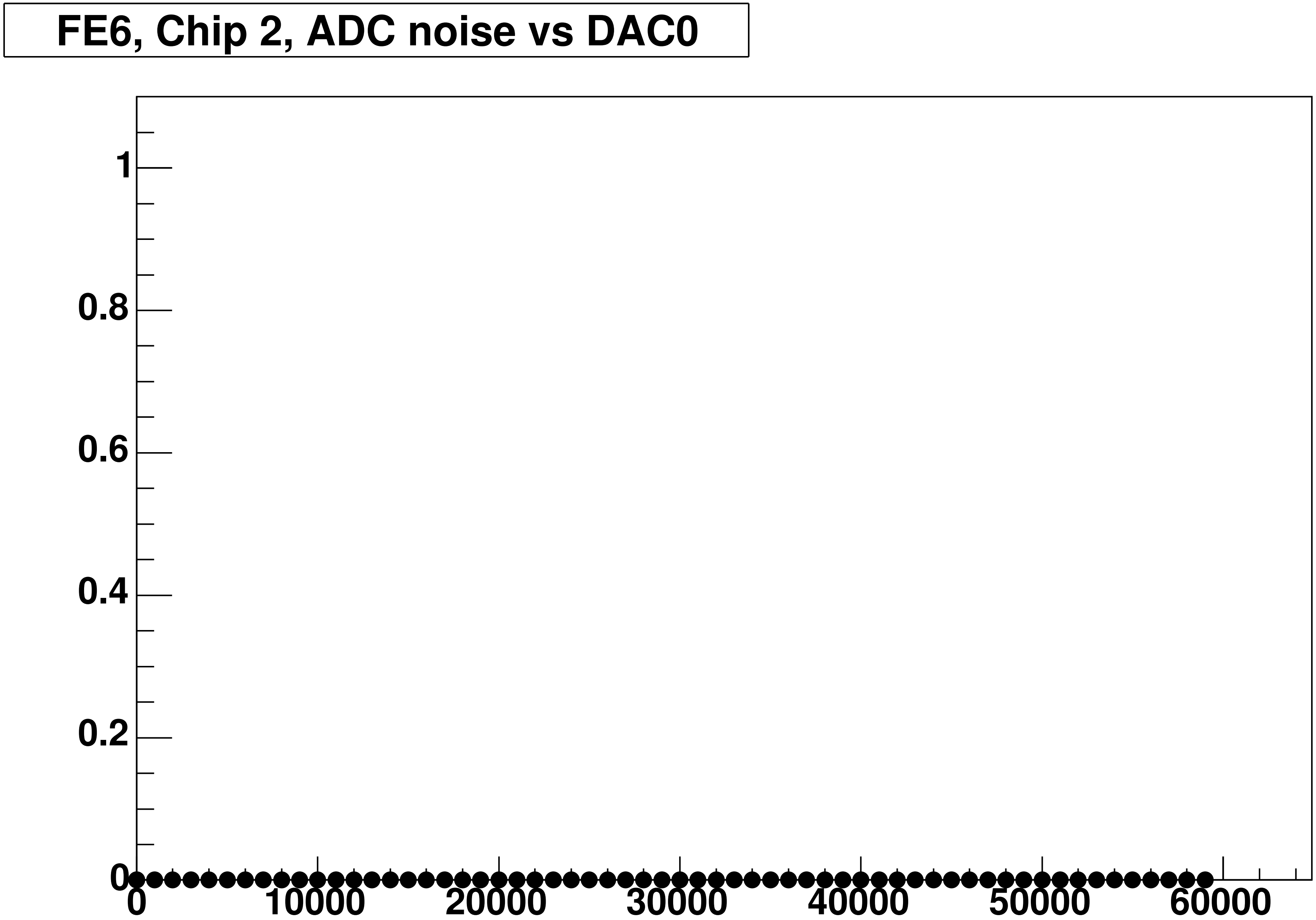

FE6, Chip 1, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 1, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

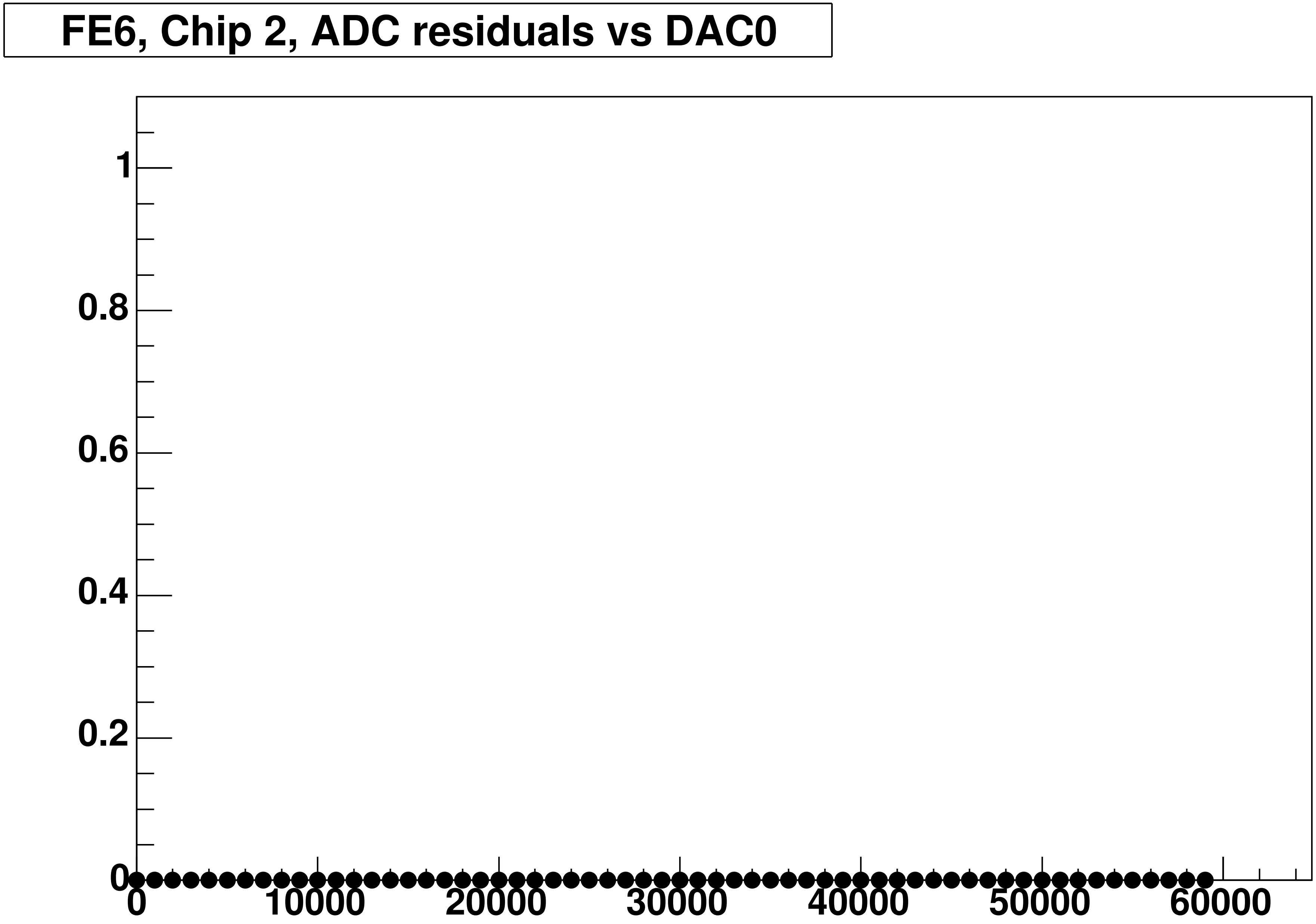

FE6, Chip 1, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 1, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

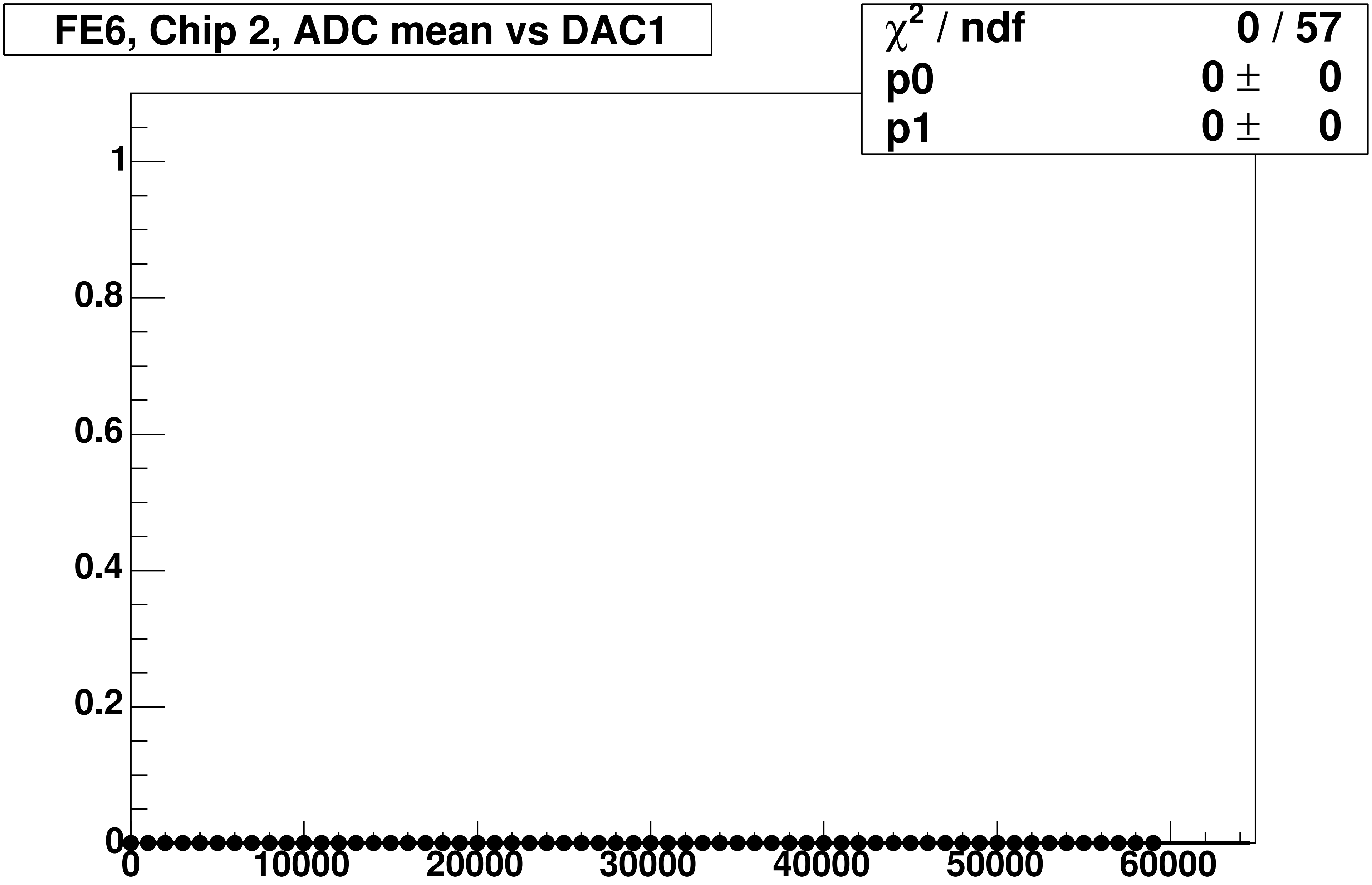

FE6, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



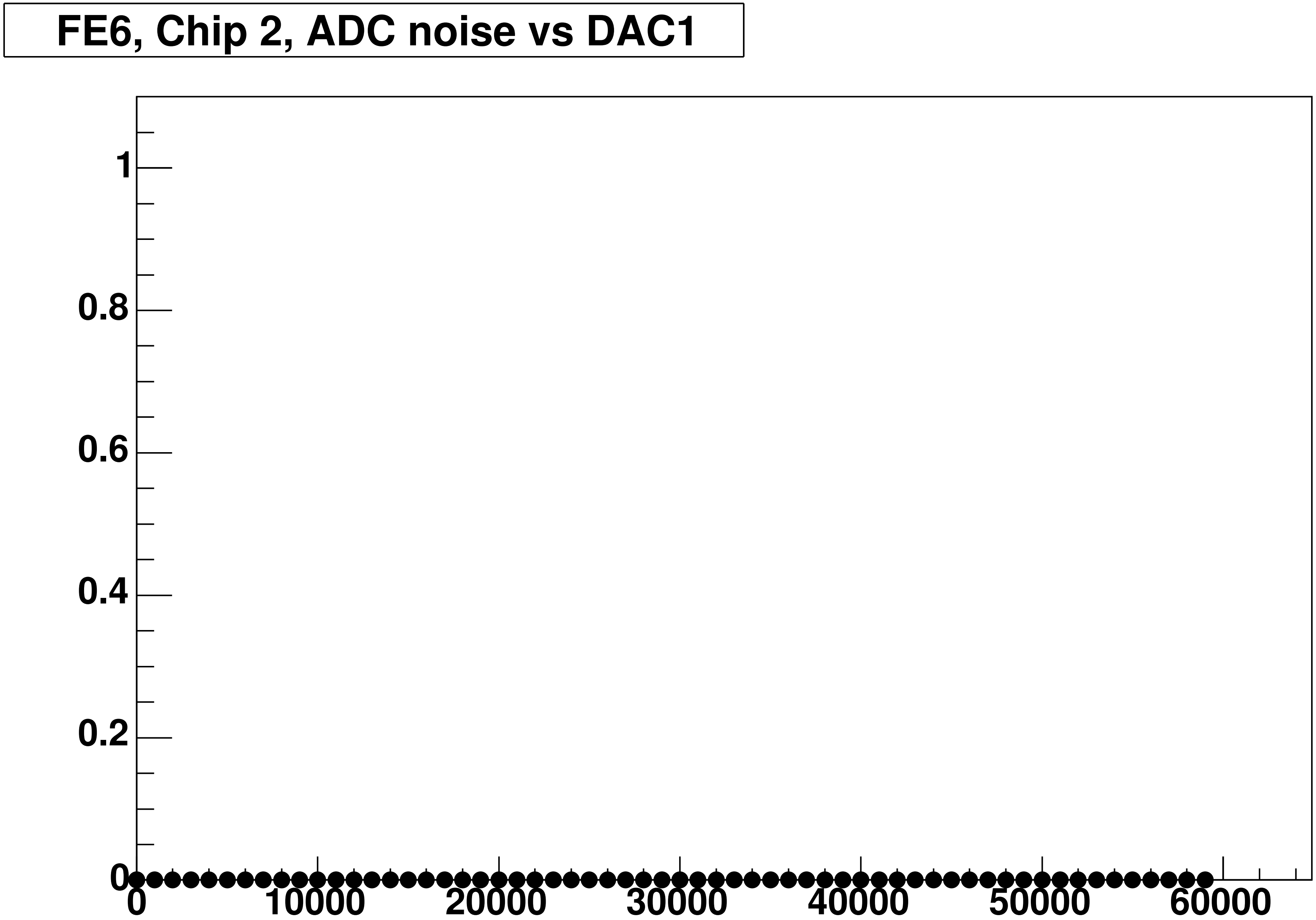
FE6, Chip 2, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

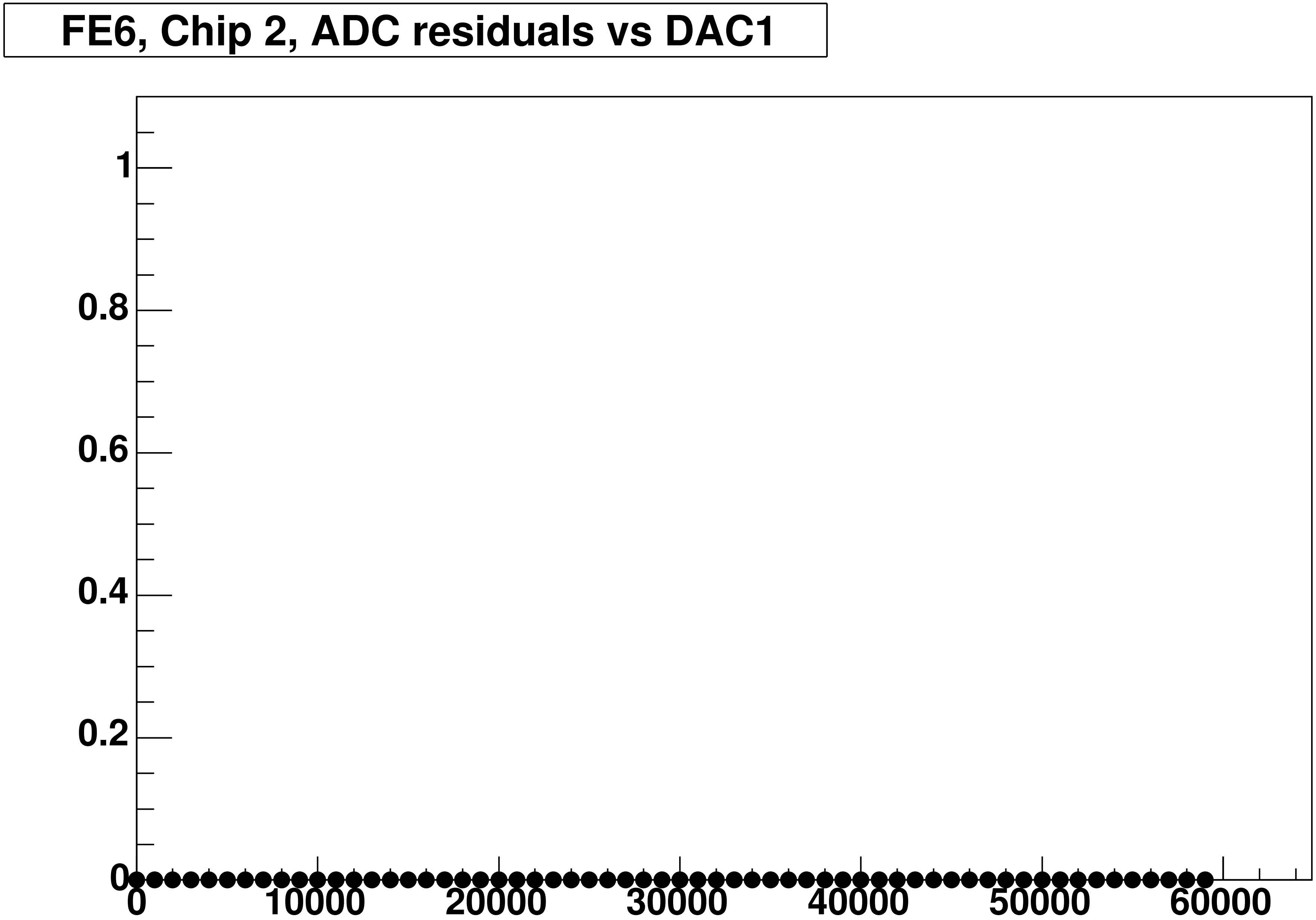


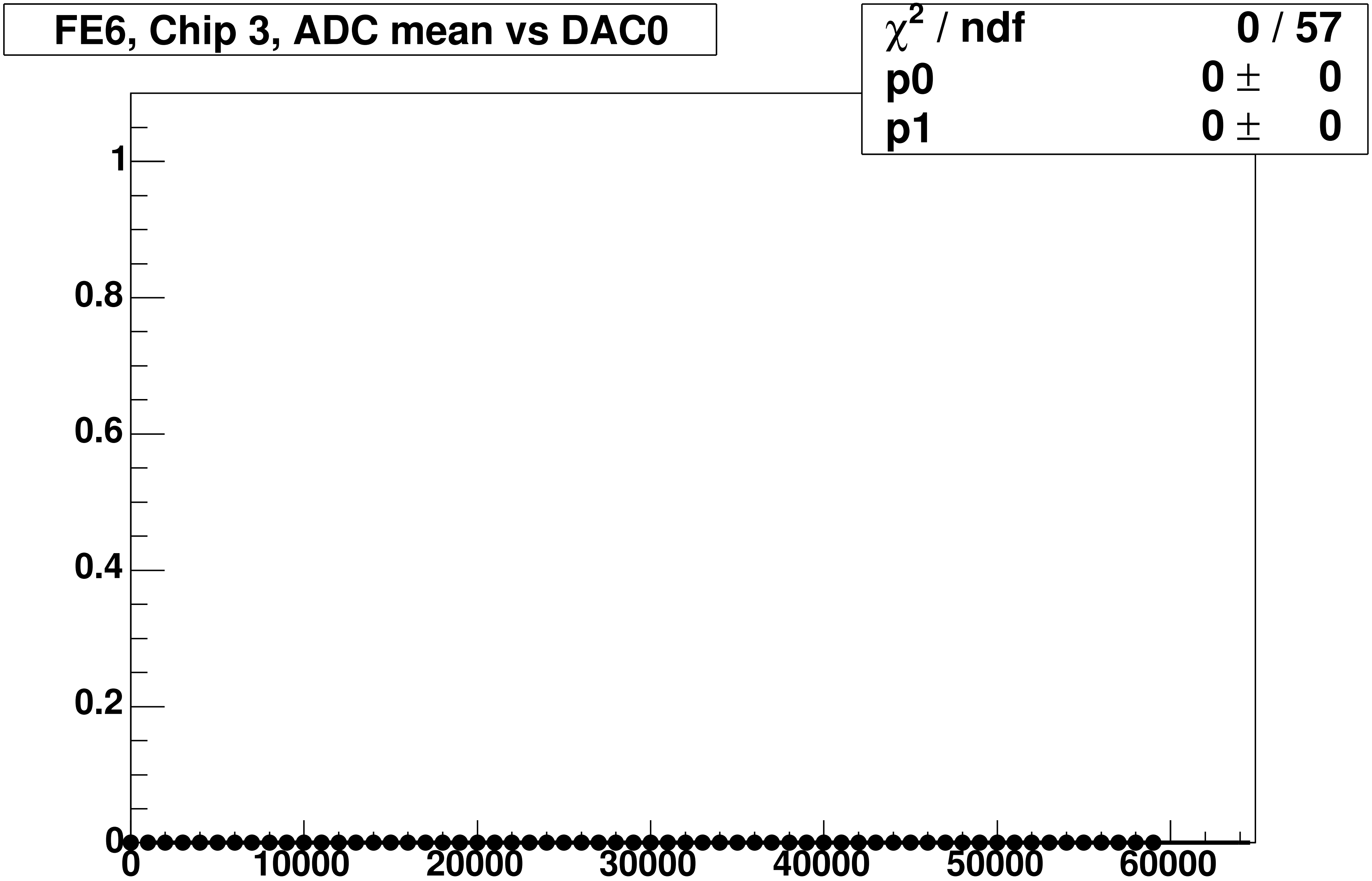
FE6, Chip 2, ADC residuals vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

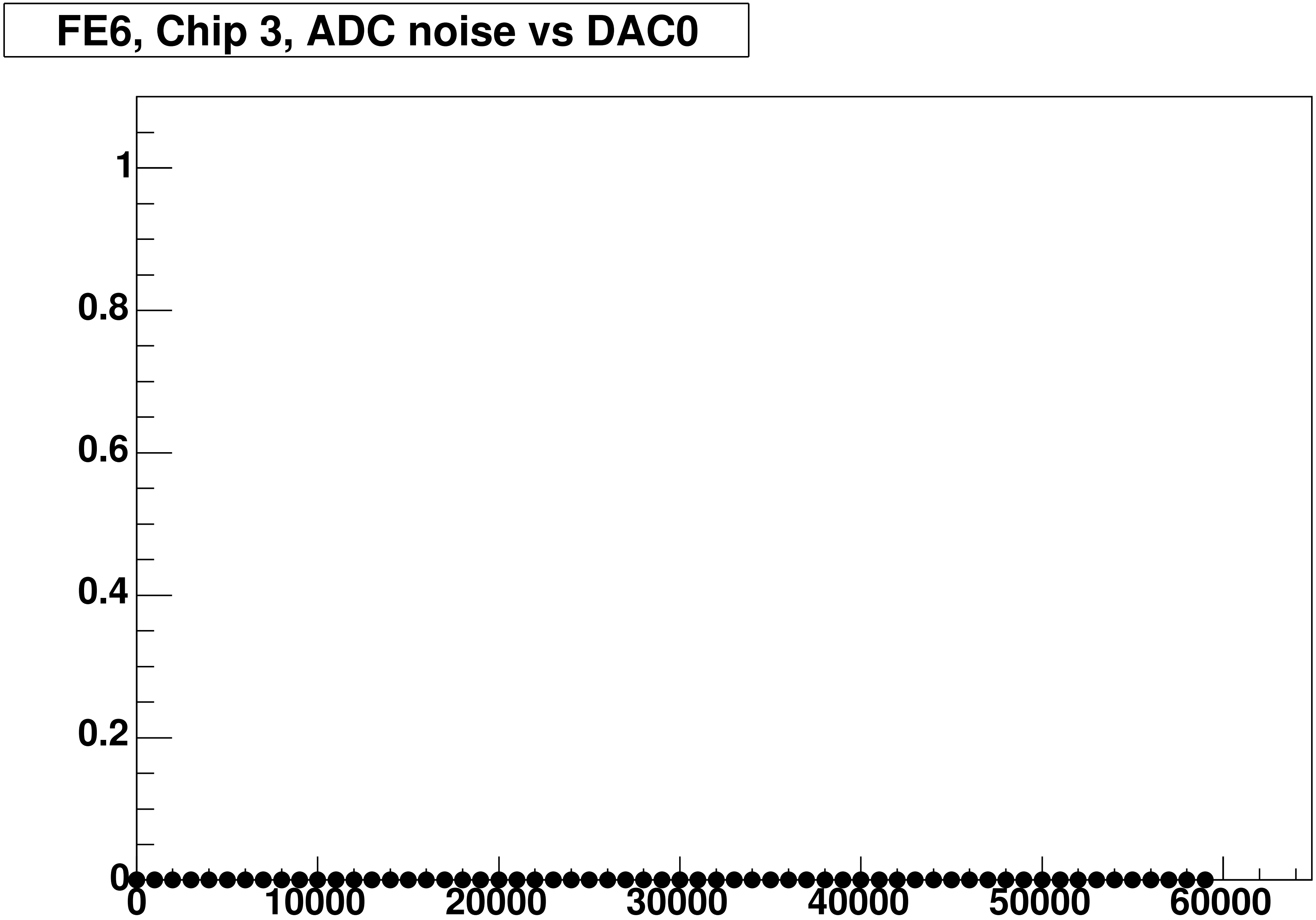


FE6, Chip 2, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

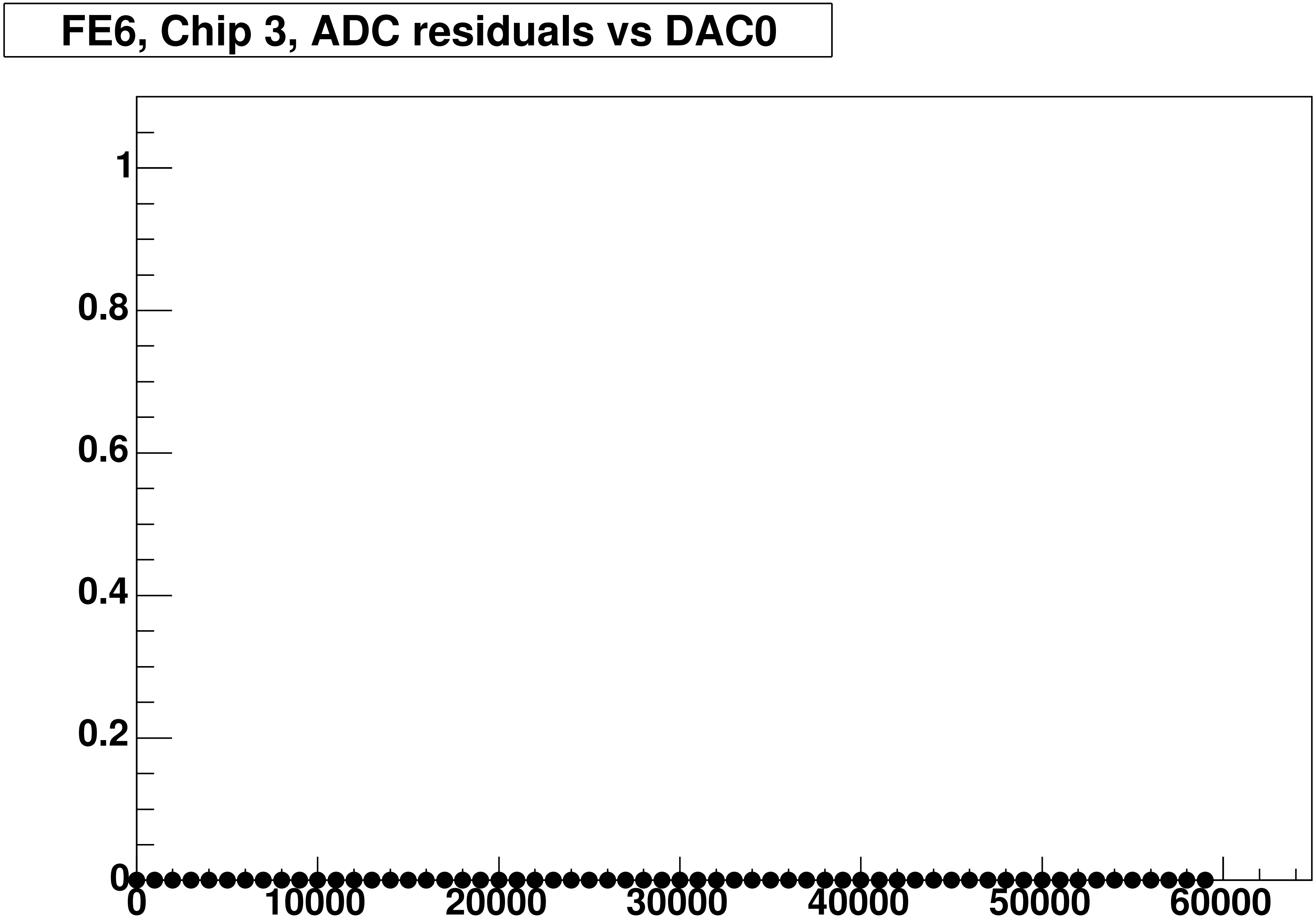

FE6, Chip 2, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

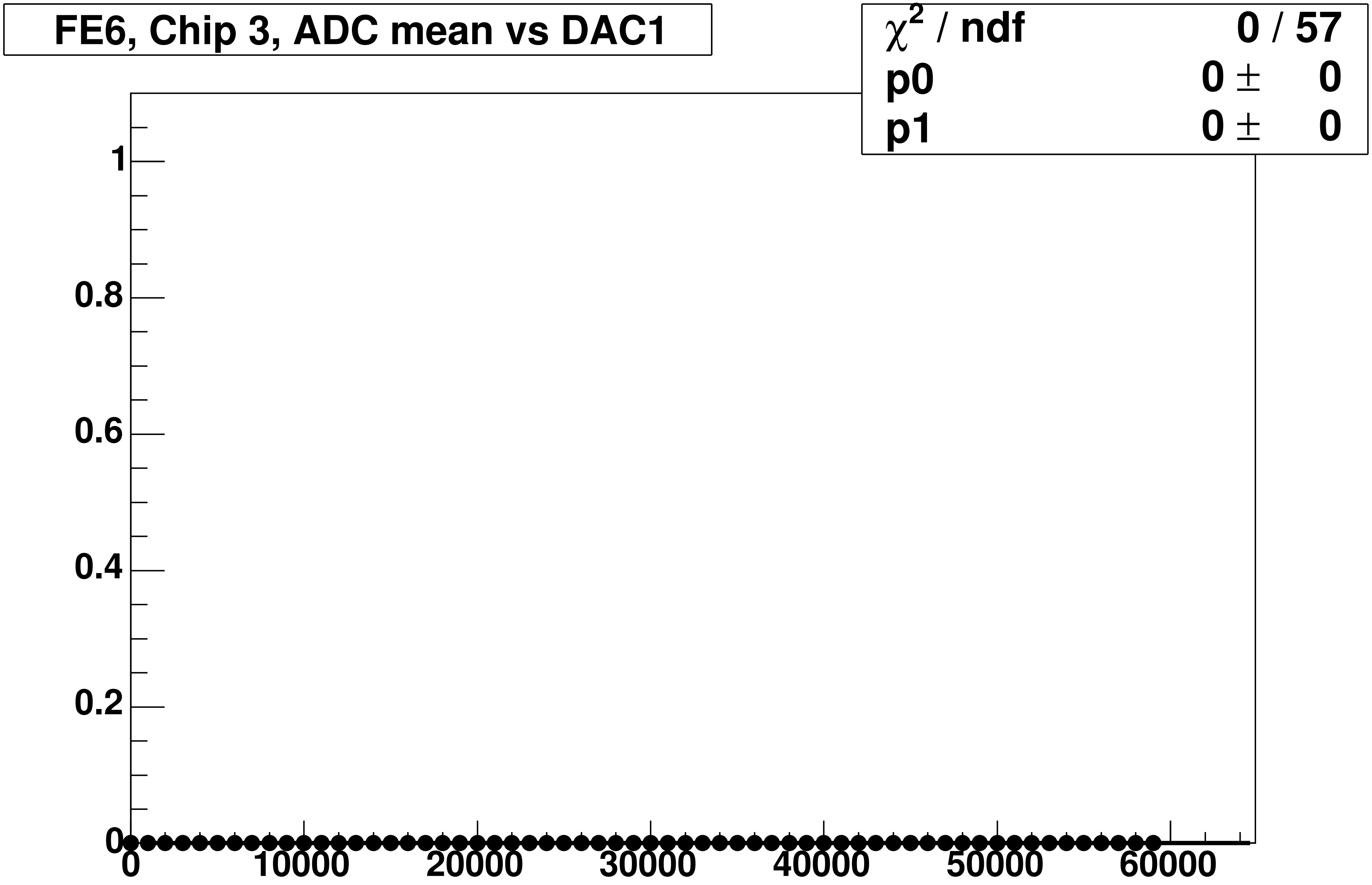

FE6, Chip 2, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

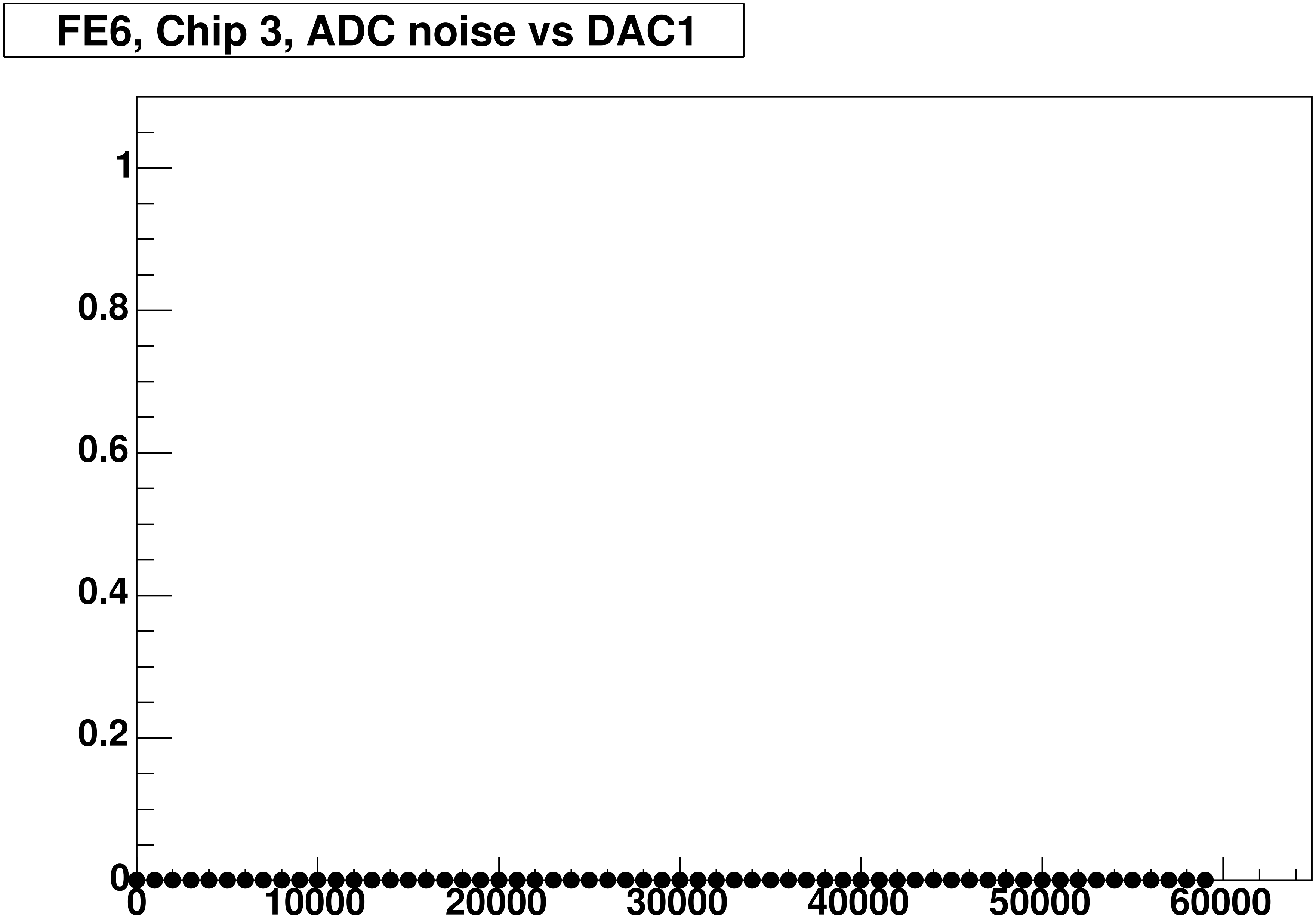

FE6, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



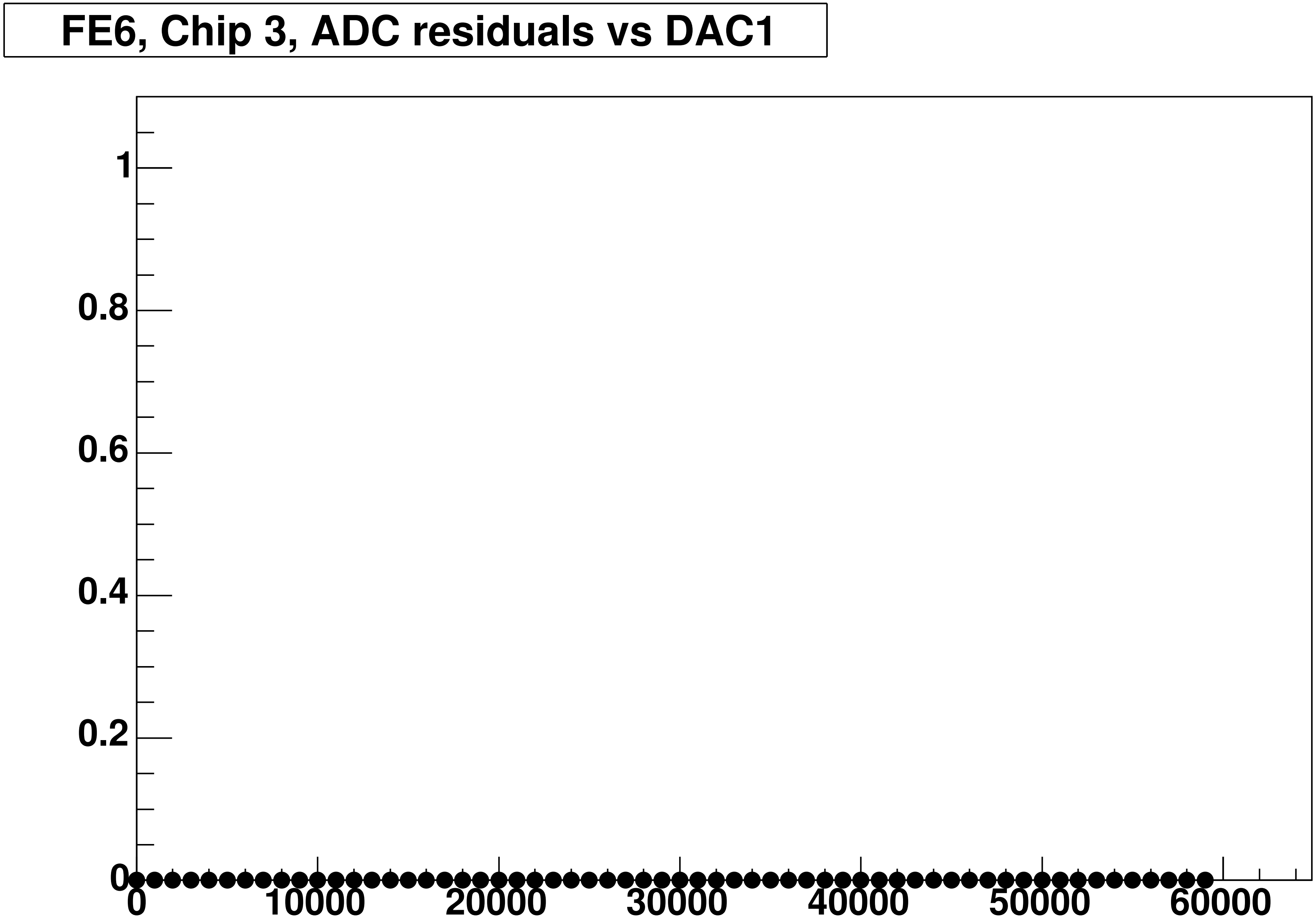
FE6, Chip 3, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

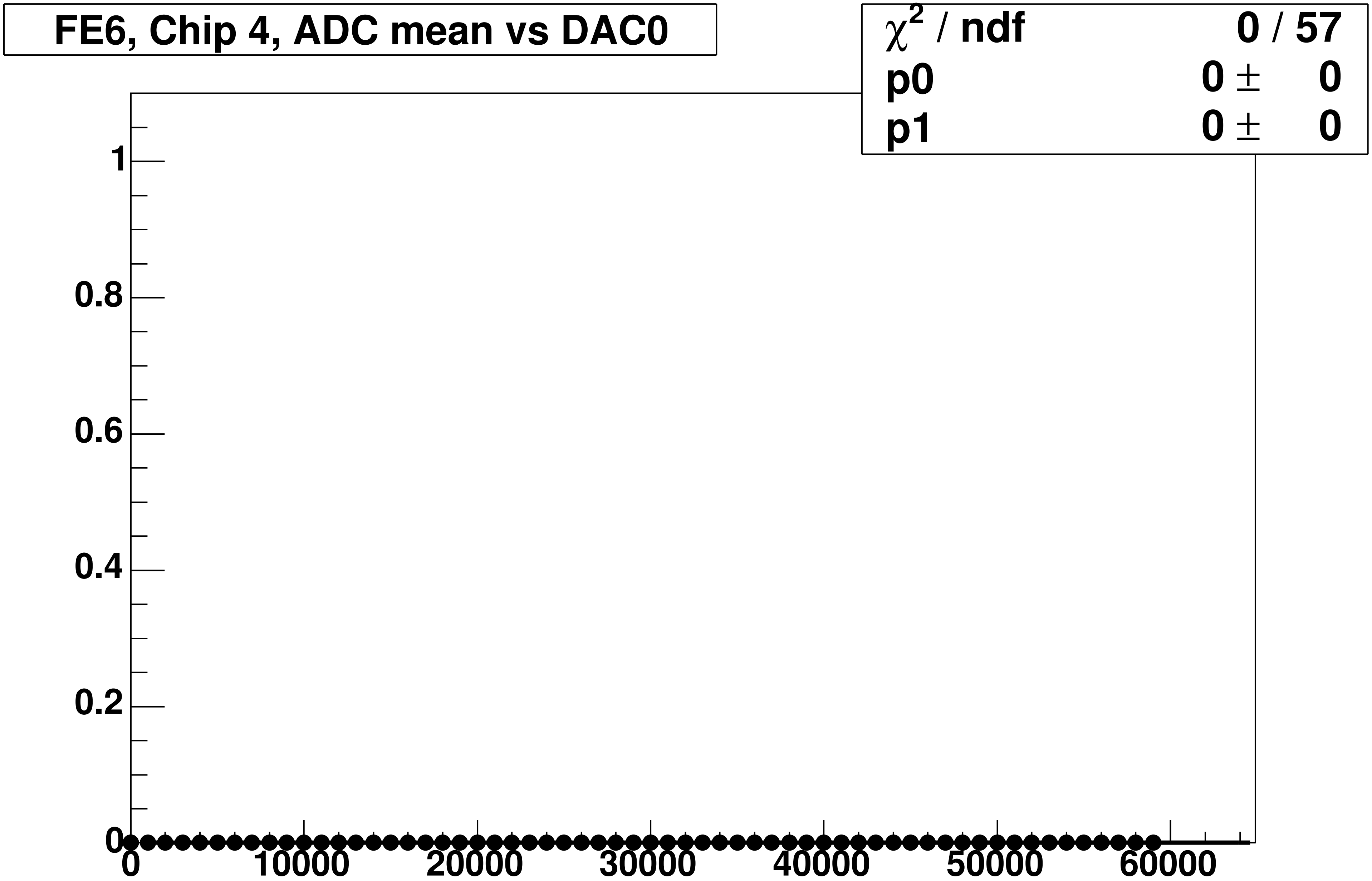

FE6, Chip 3, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

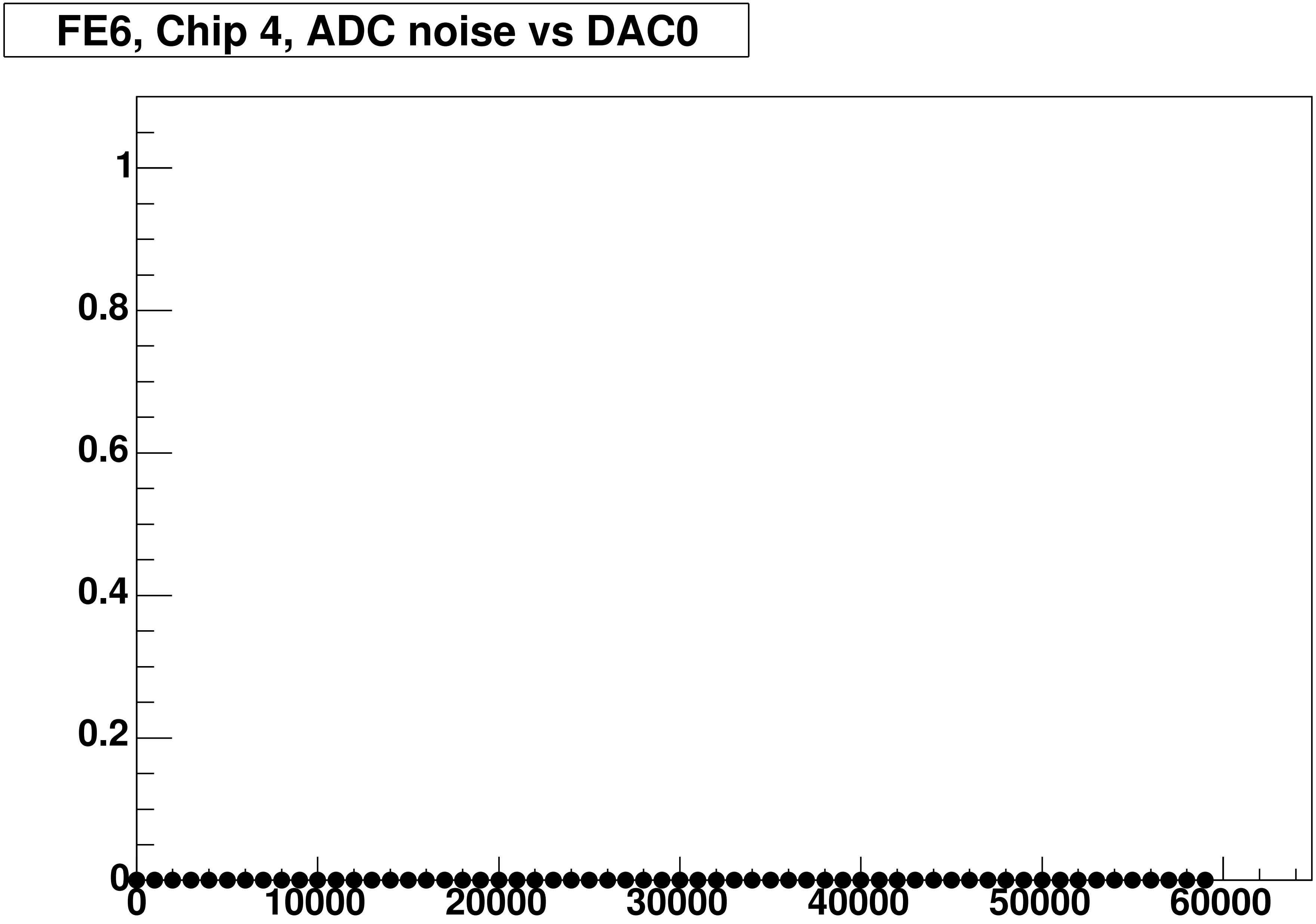

FE6, Chip 3, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

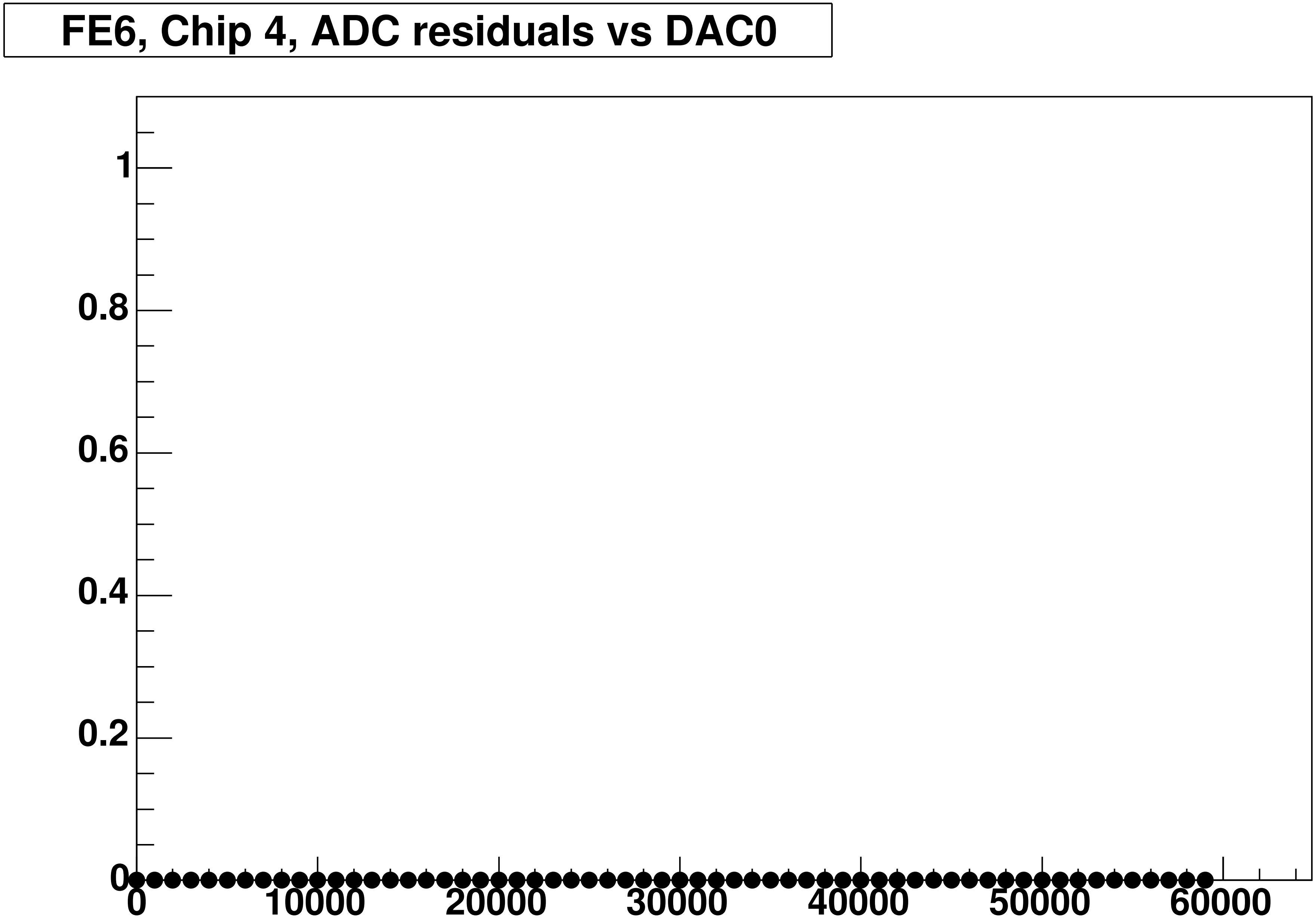


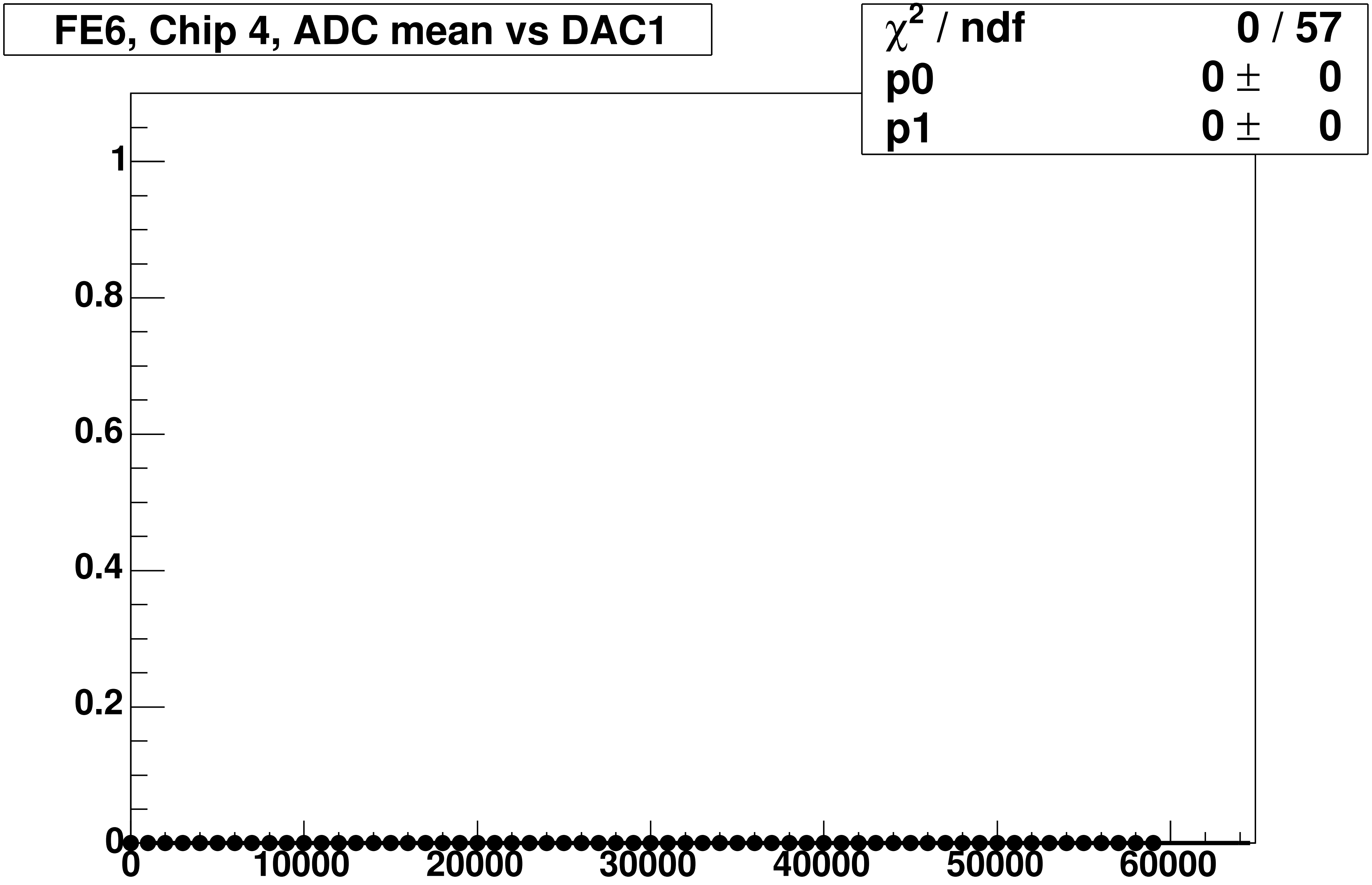
FE6, Chip 3, ADC noise vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

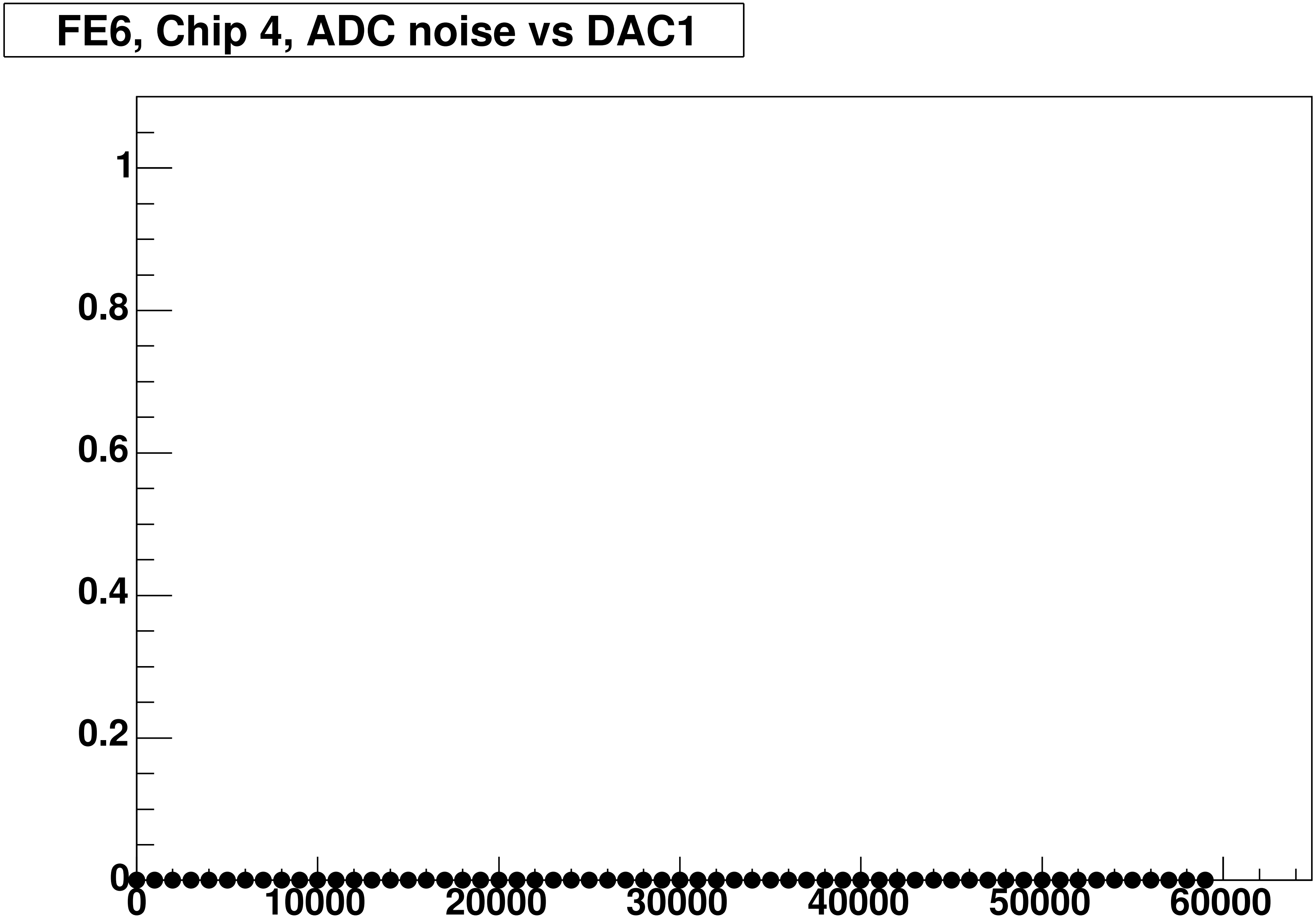

FE6, Chip 3, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

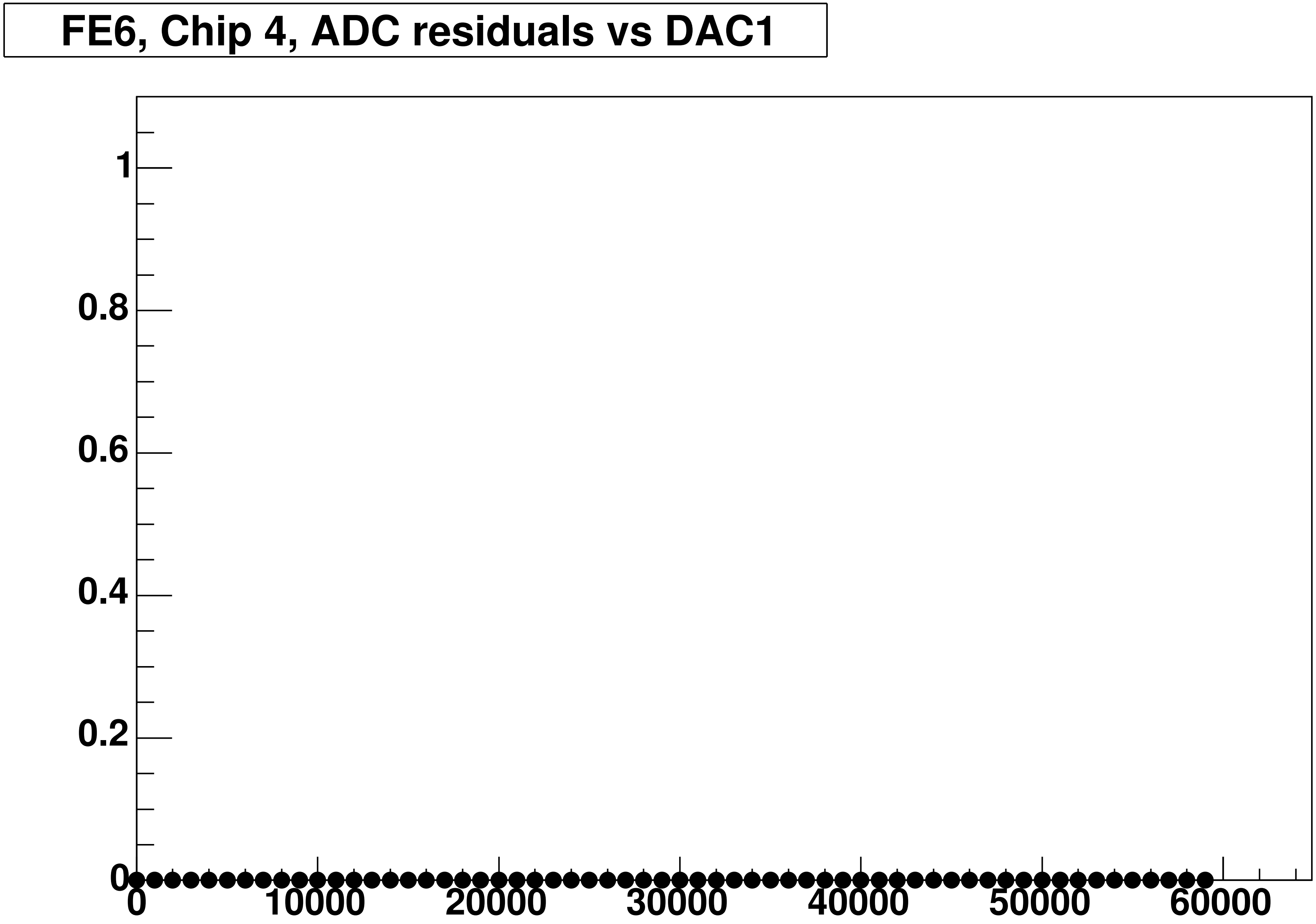

FE6, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

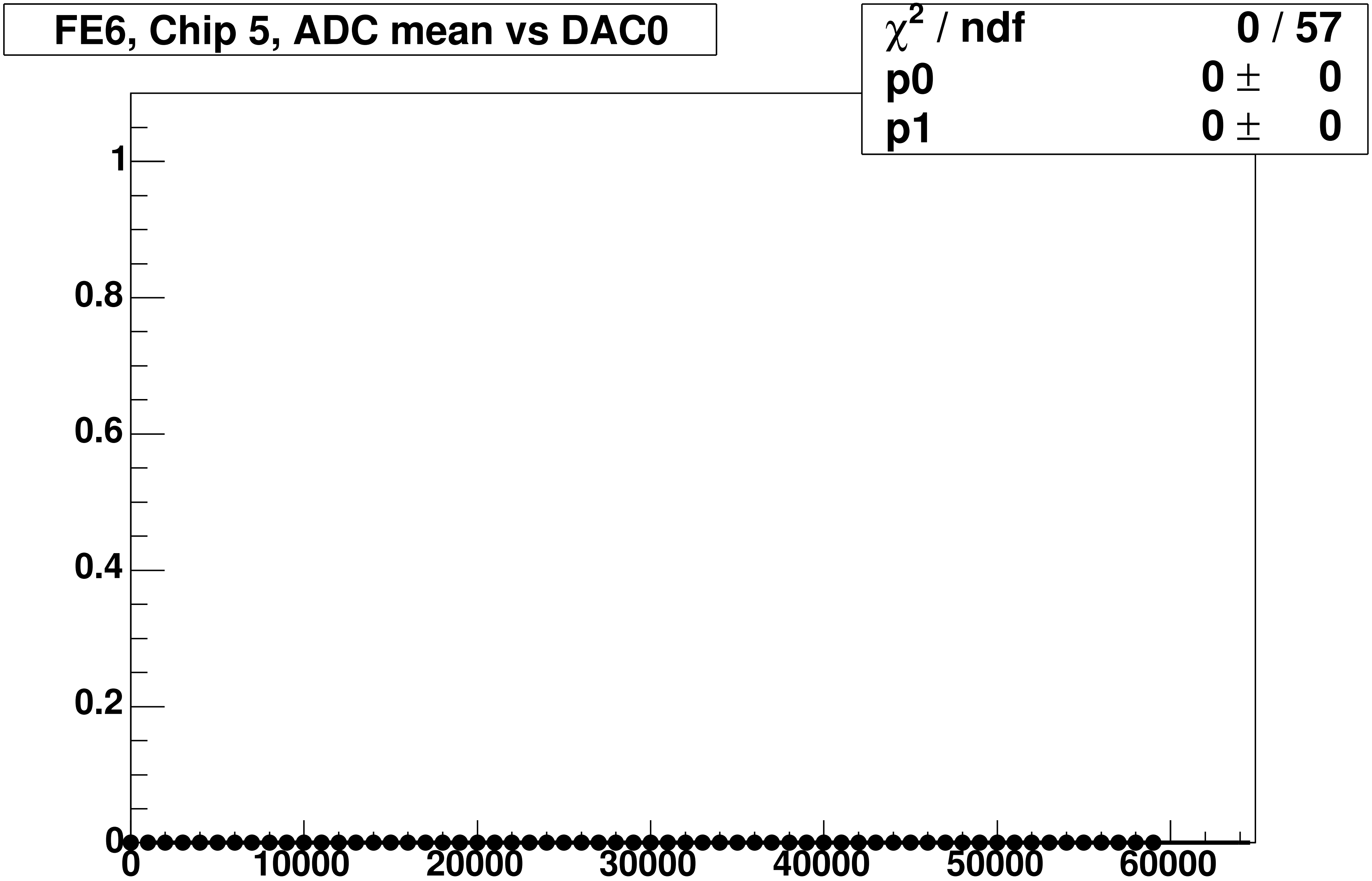

FE6, Chip 4, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

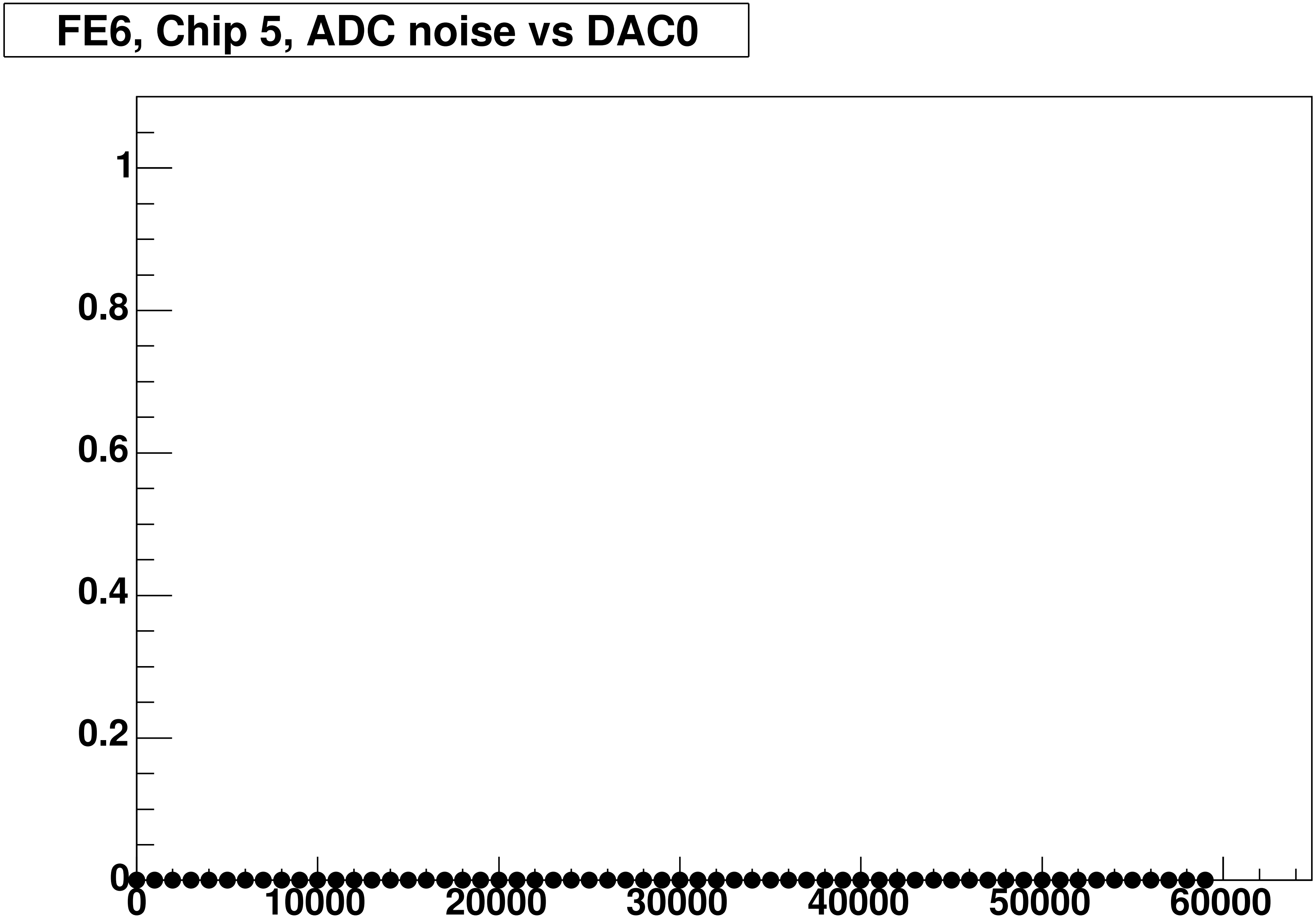

FE6, Chip 4, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

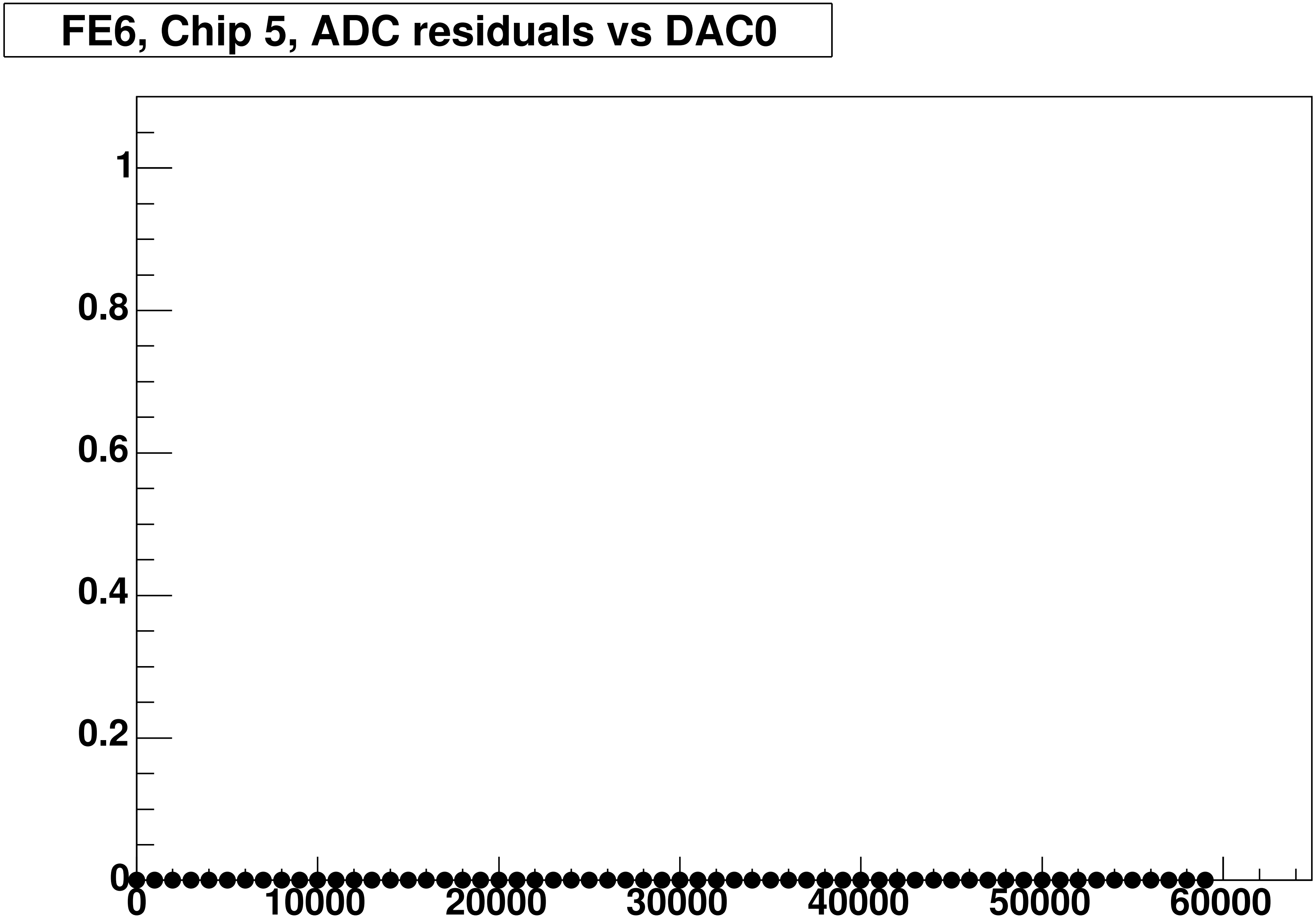

FE6, Chip 4, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

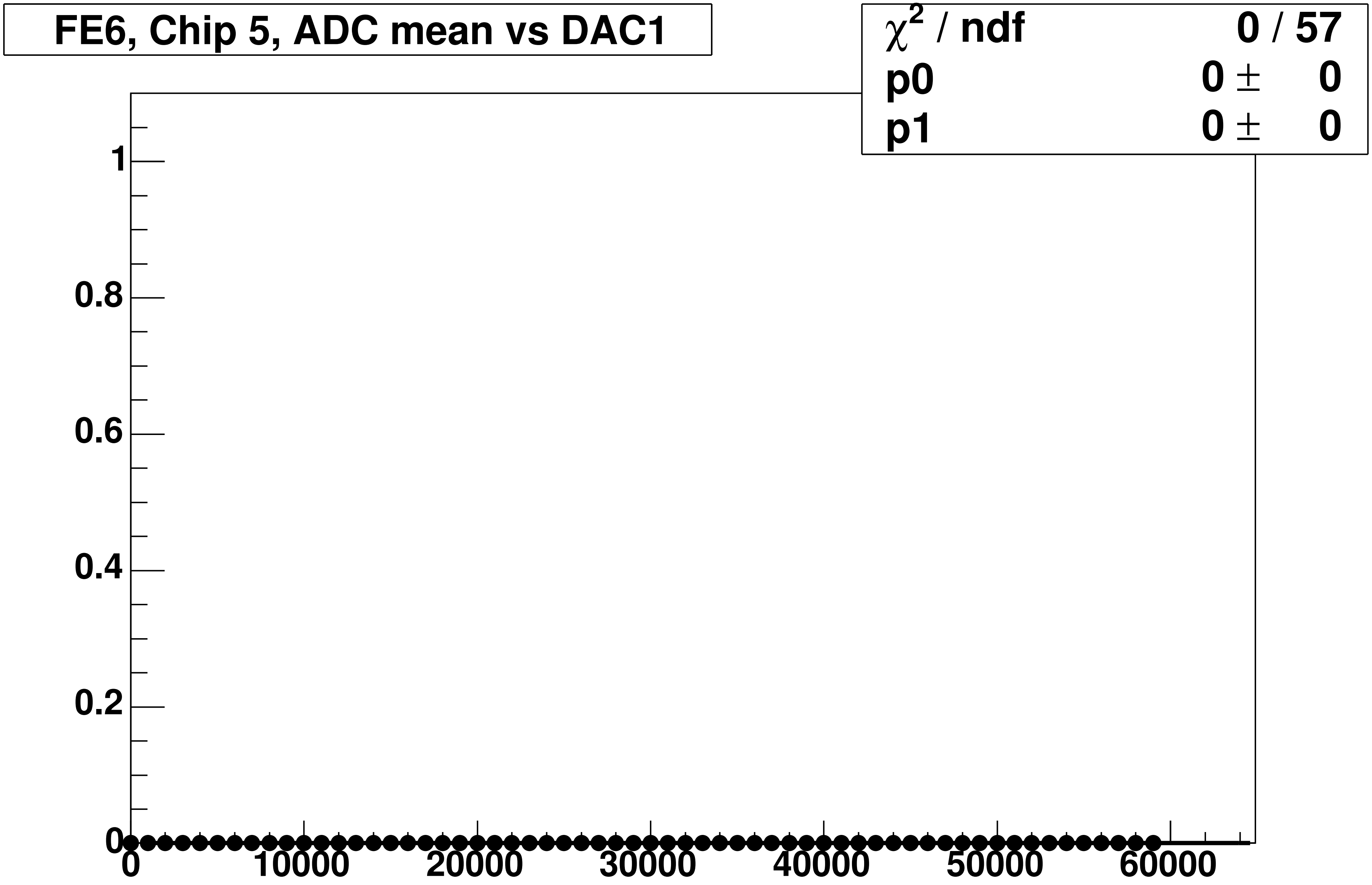

FE6, Chip 4, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 4, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

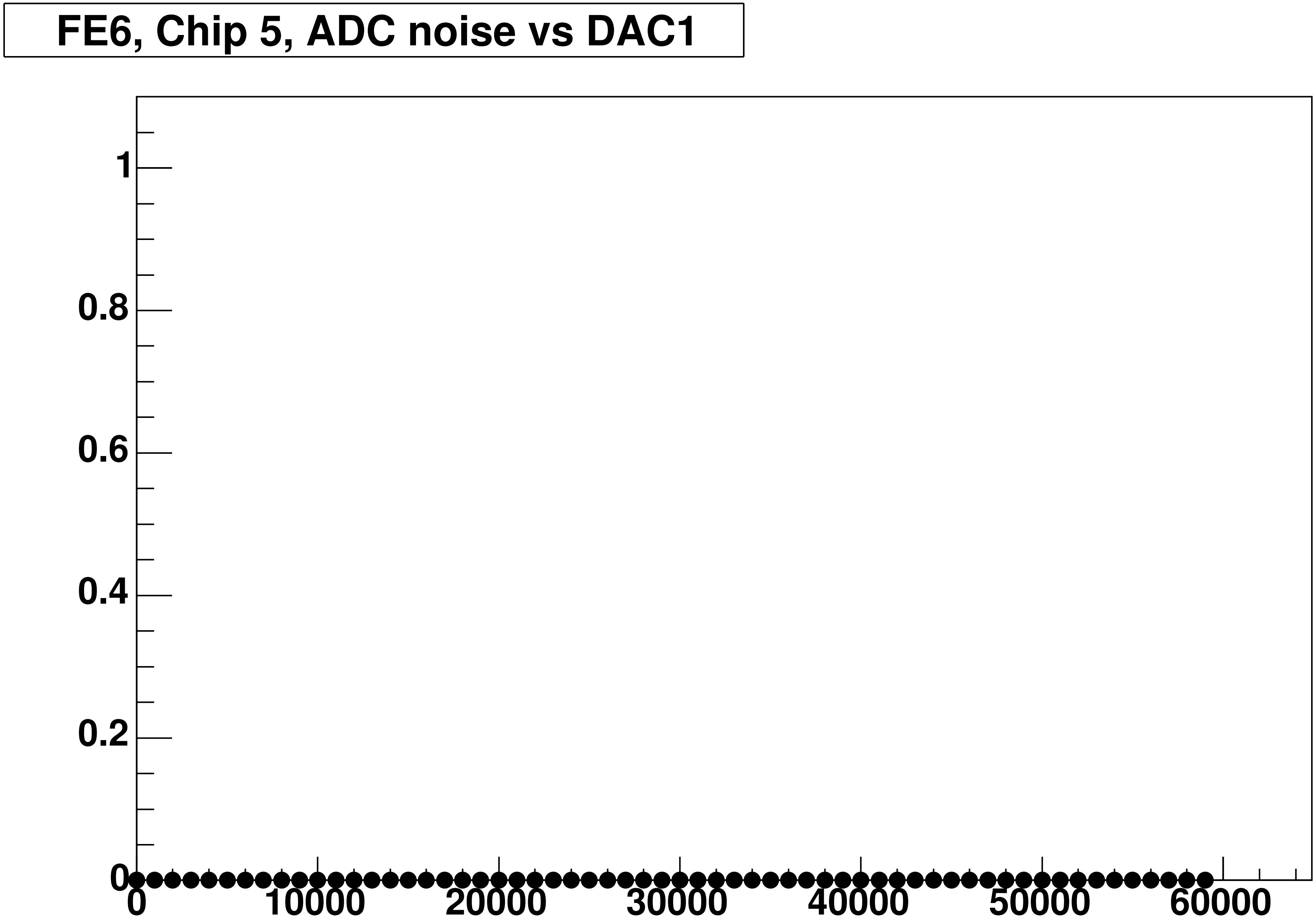

FE6, Chip 5, ADC mean vs DAC0
χ2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

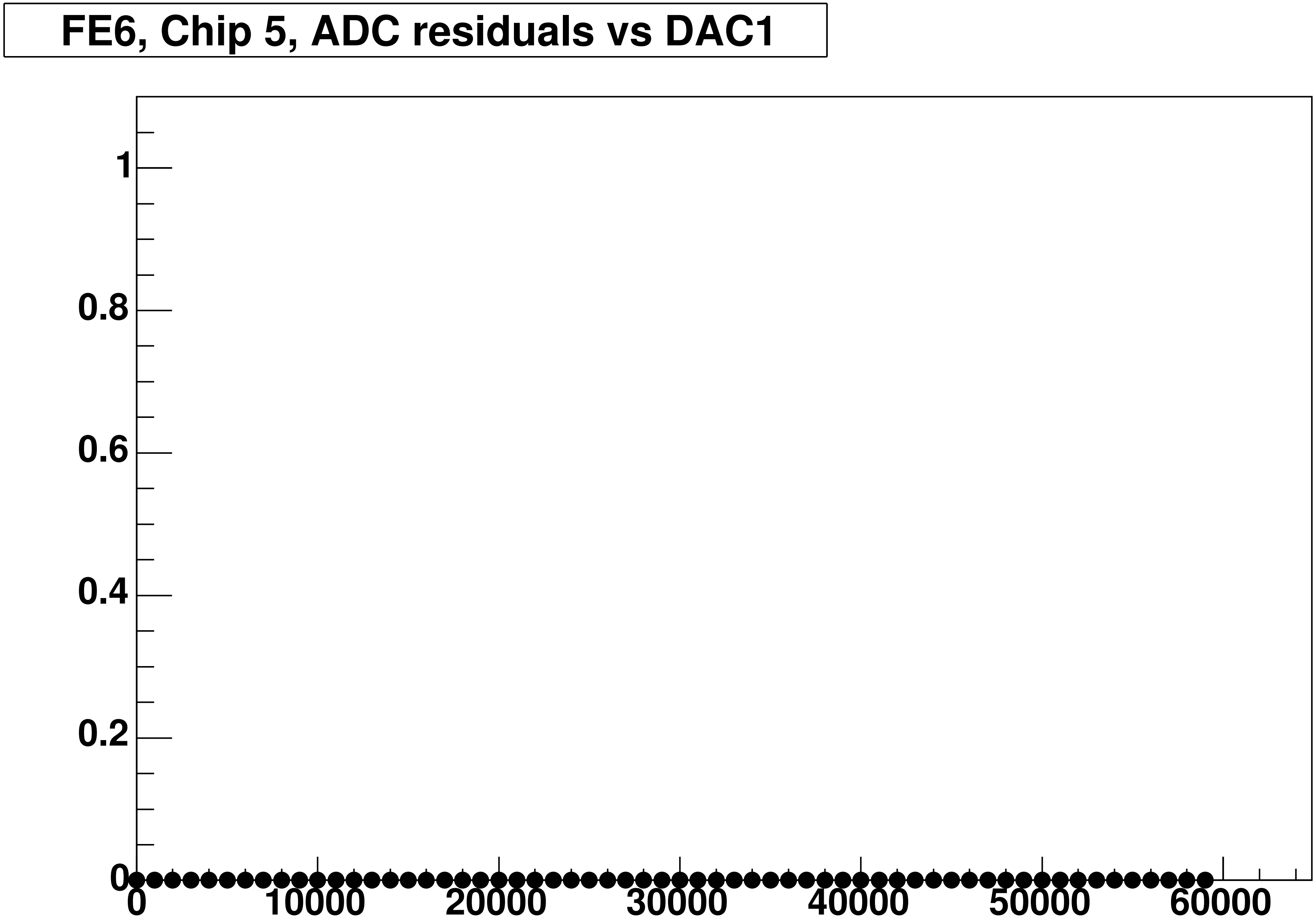

FE6, Chip 5, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

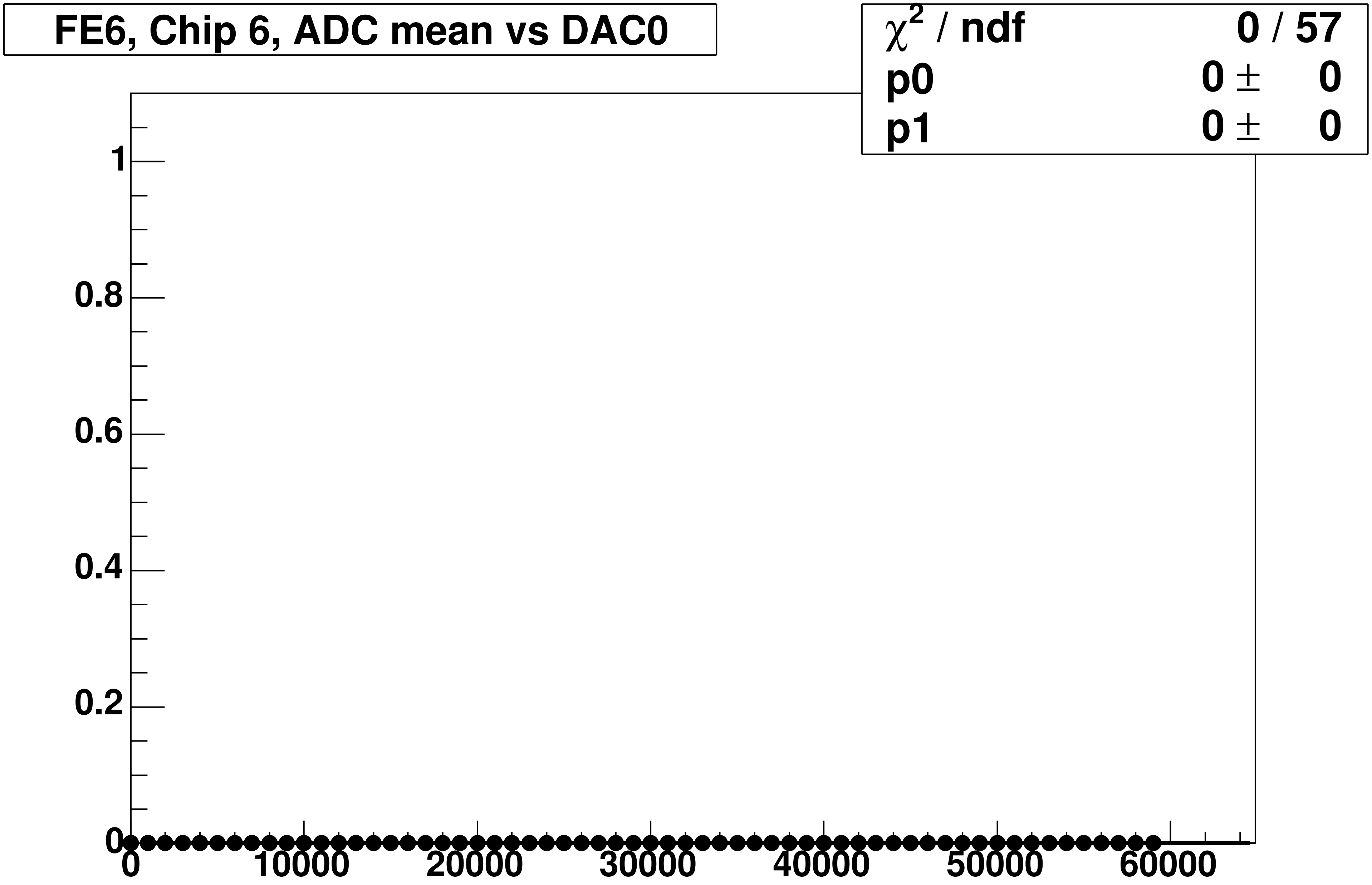

FE6, Chip 5, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



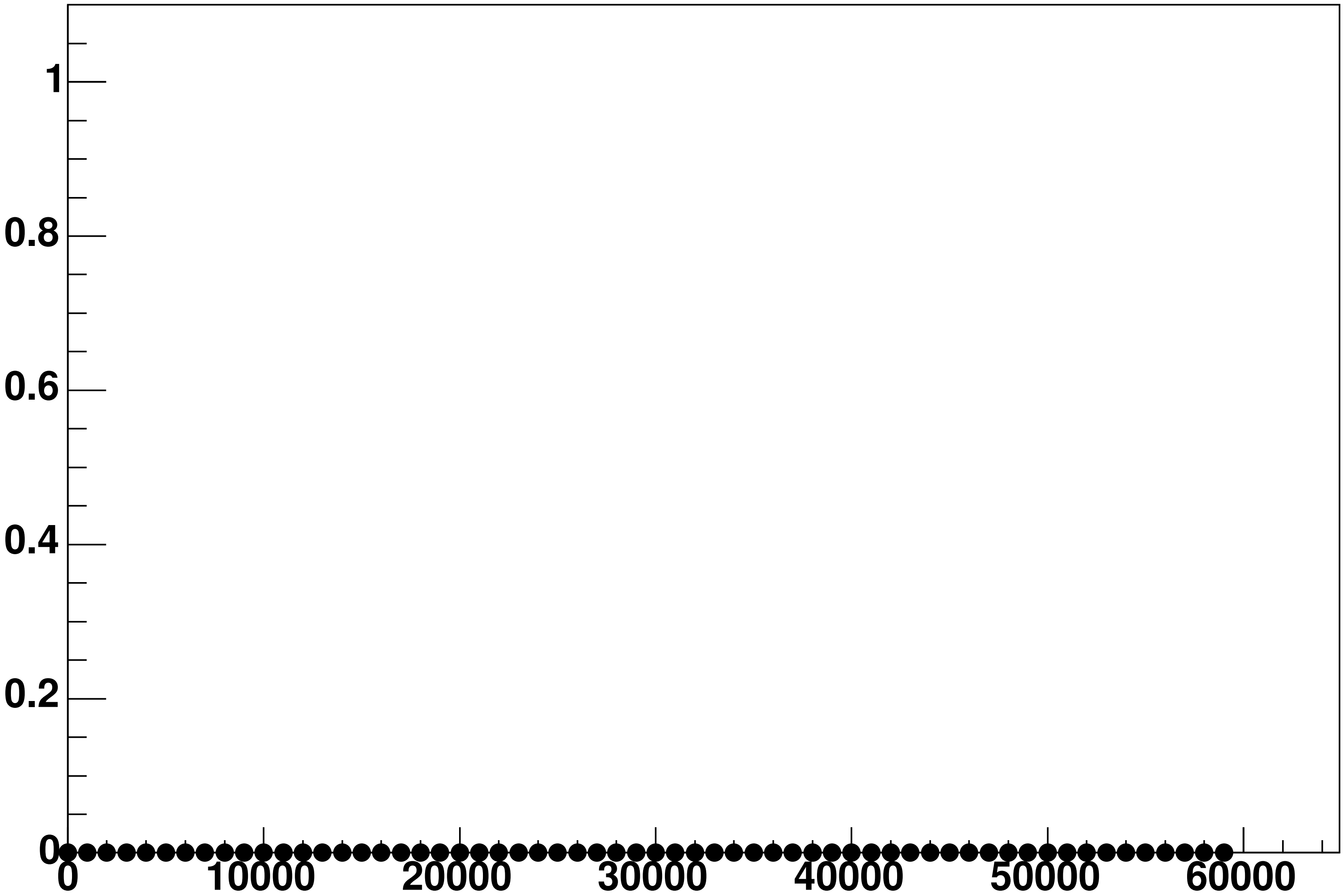
FE6, Chip 5, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

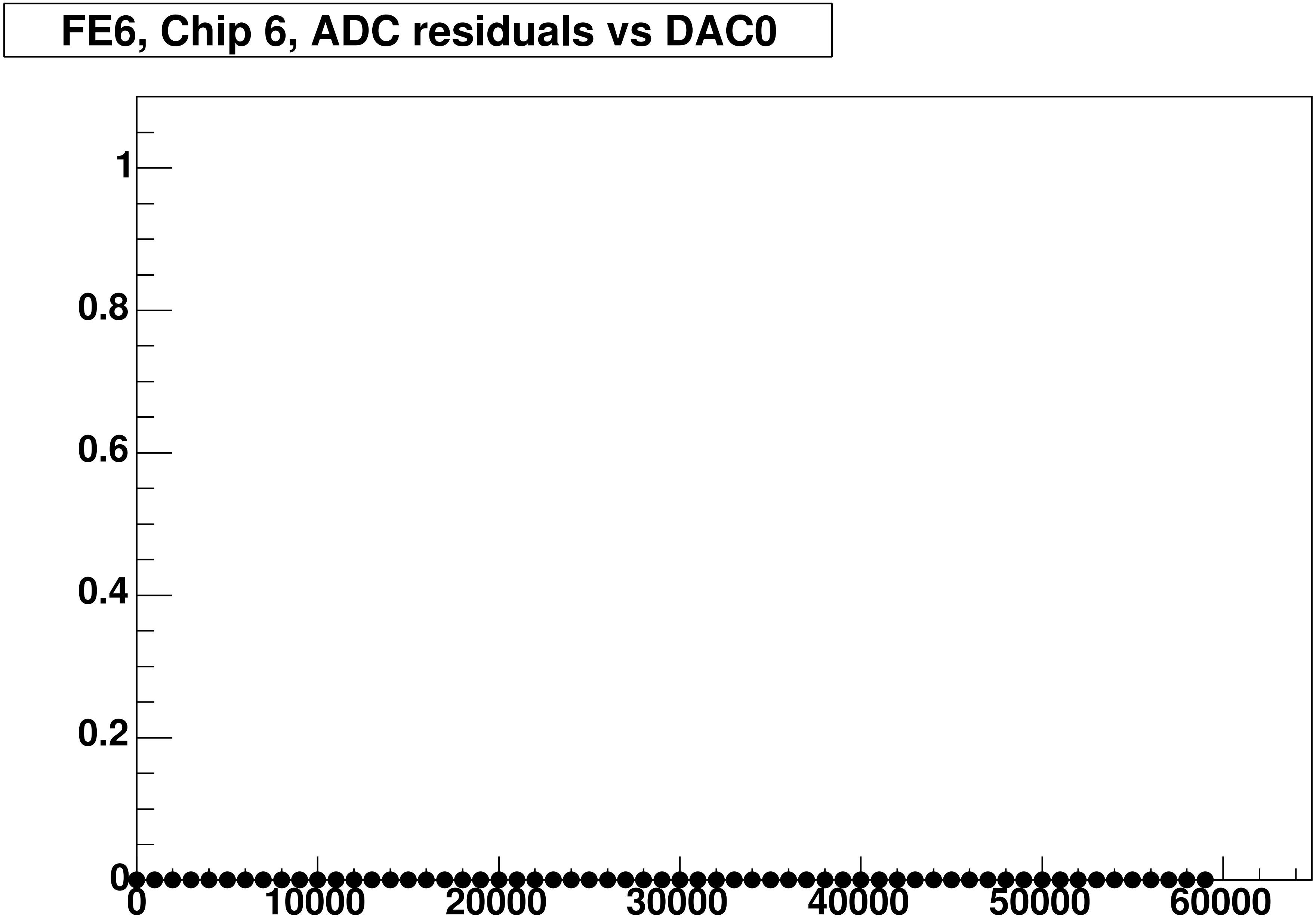

FE6, Chip 5, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 5, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

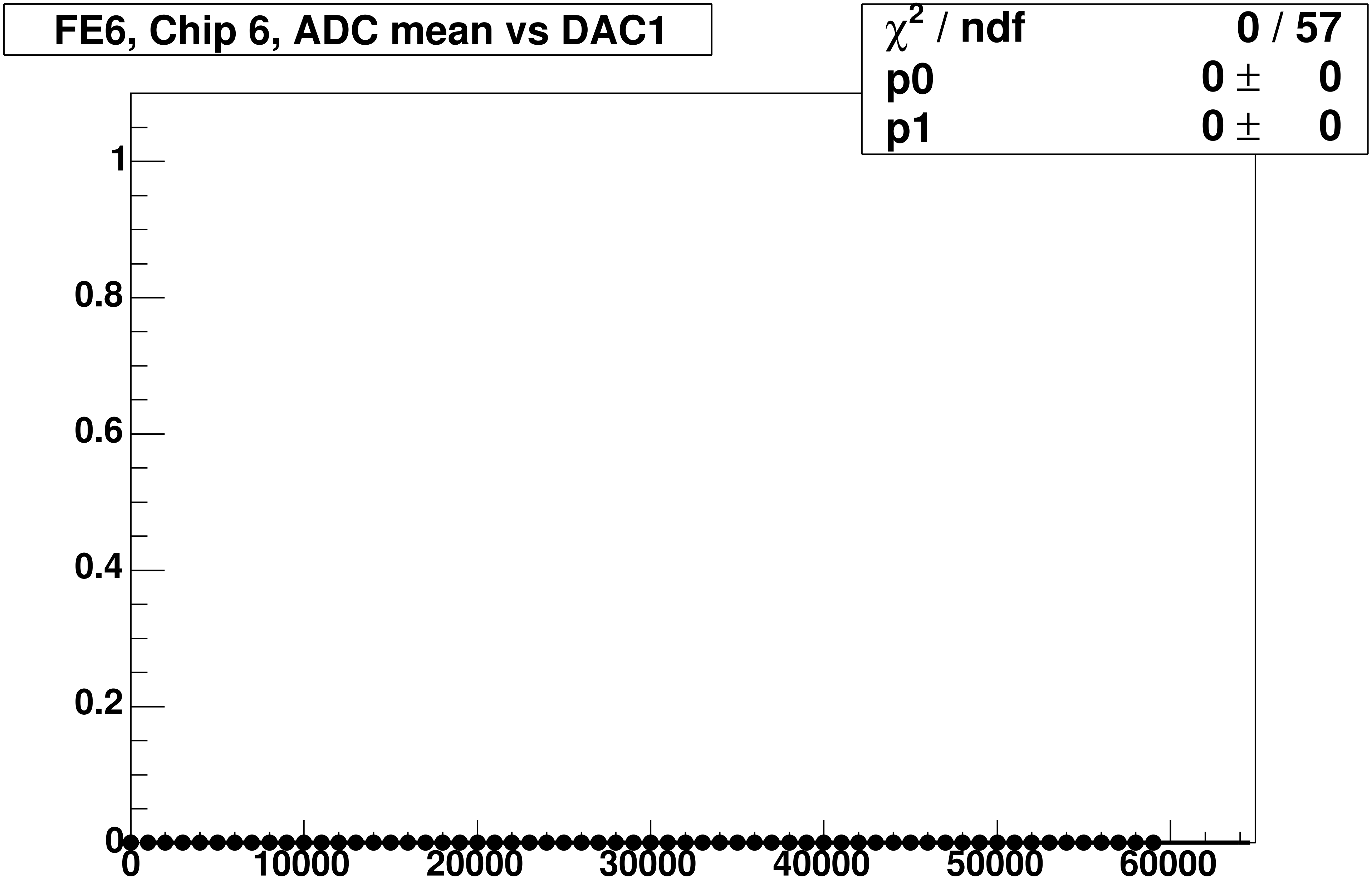

FE6, Chip 6, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE6, Chip 6, ADC noise vs DAC0

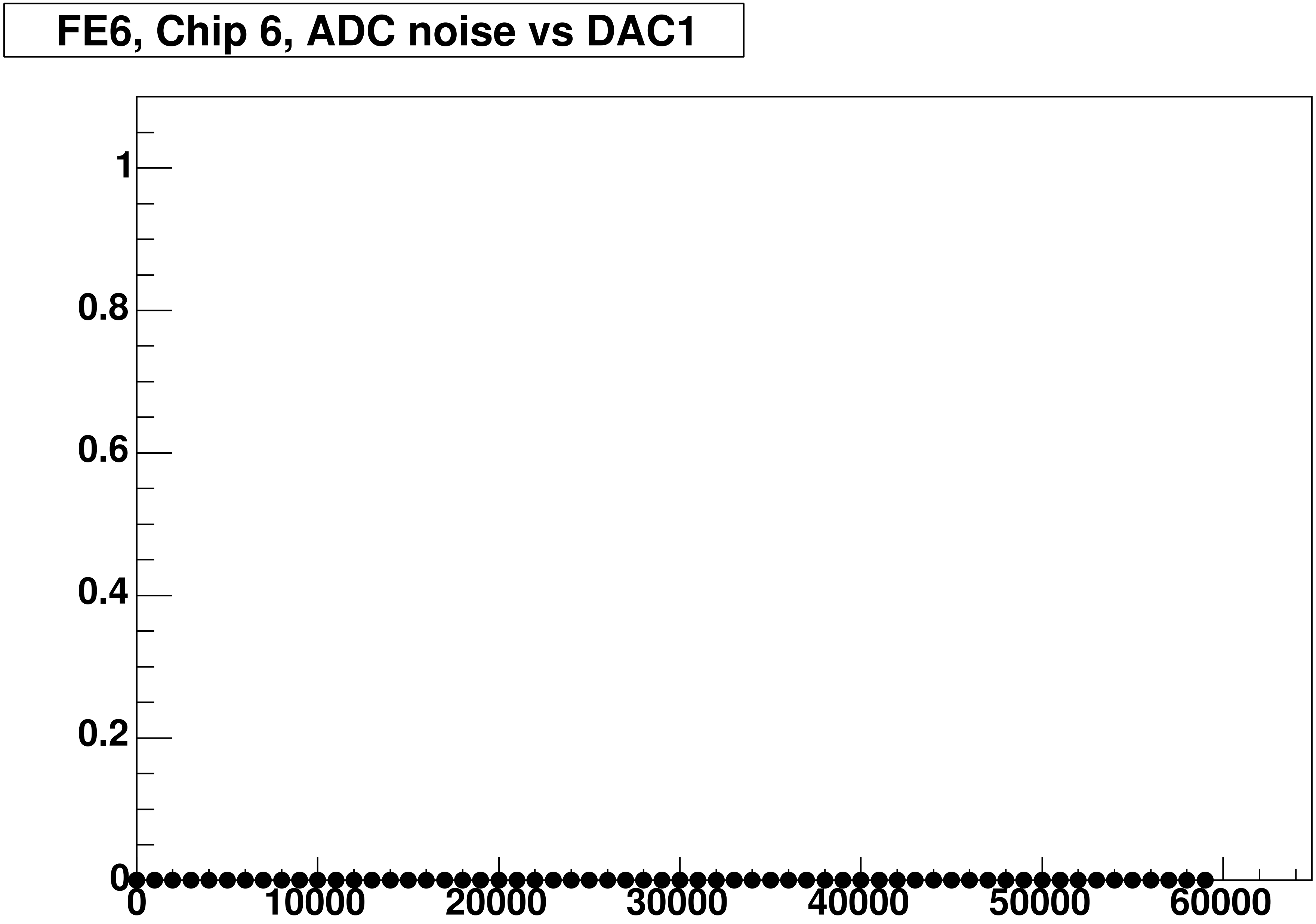


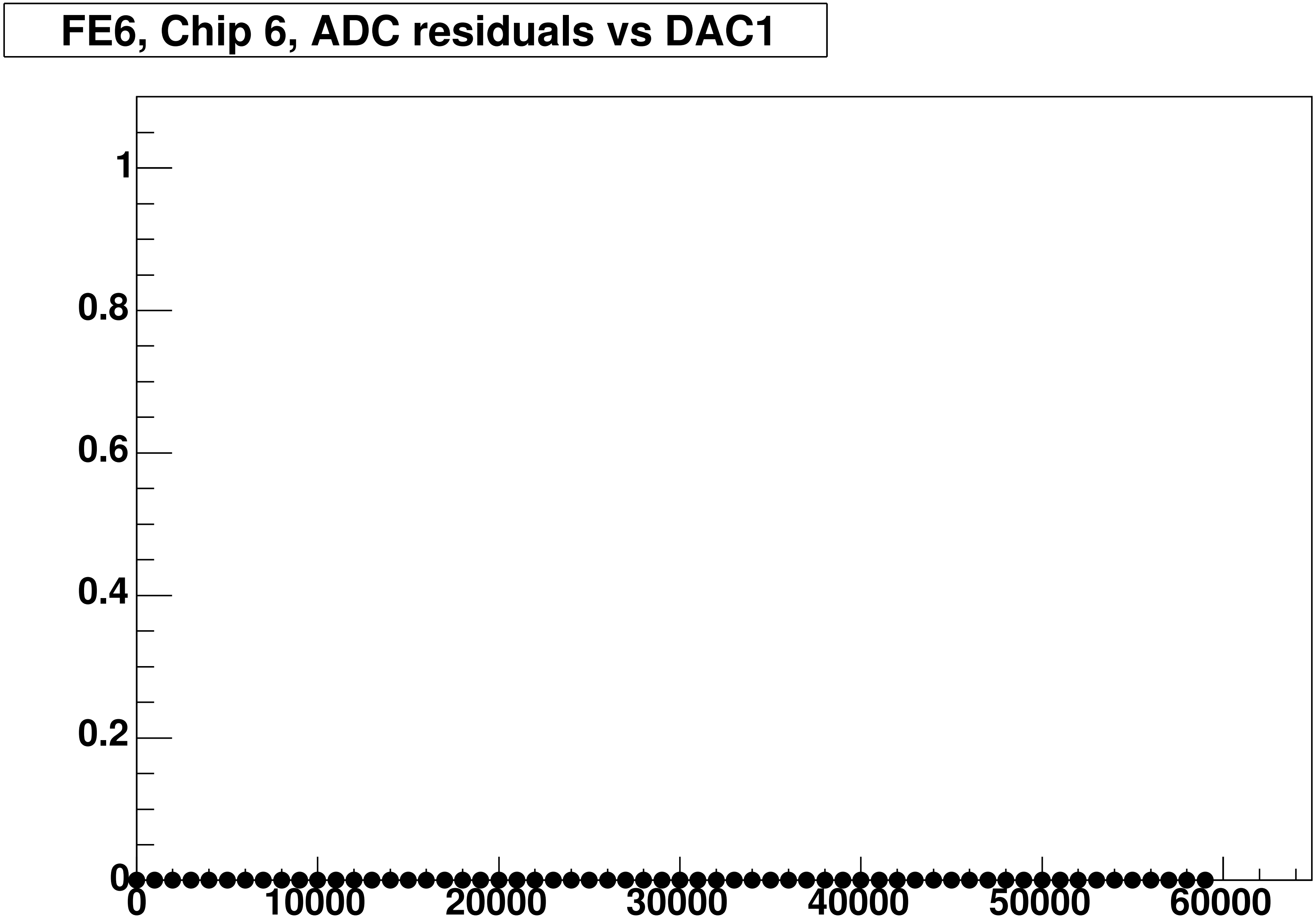


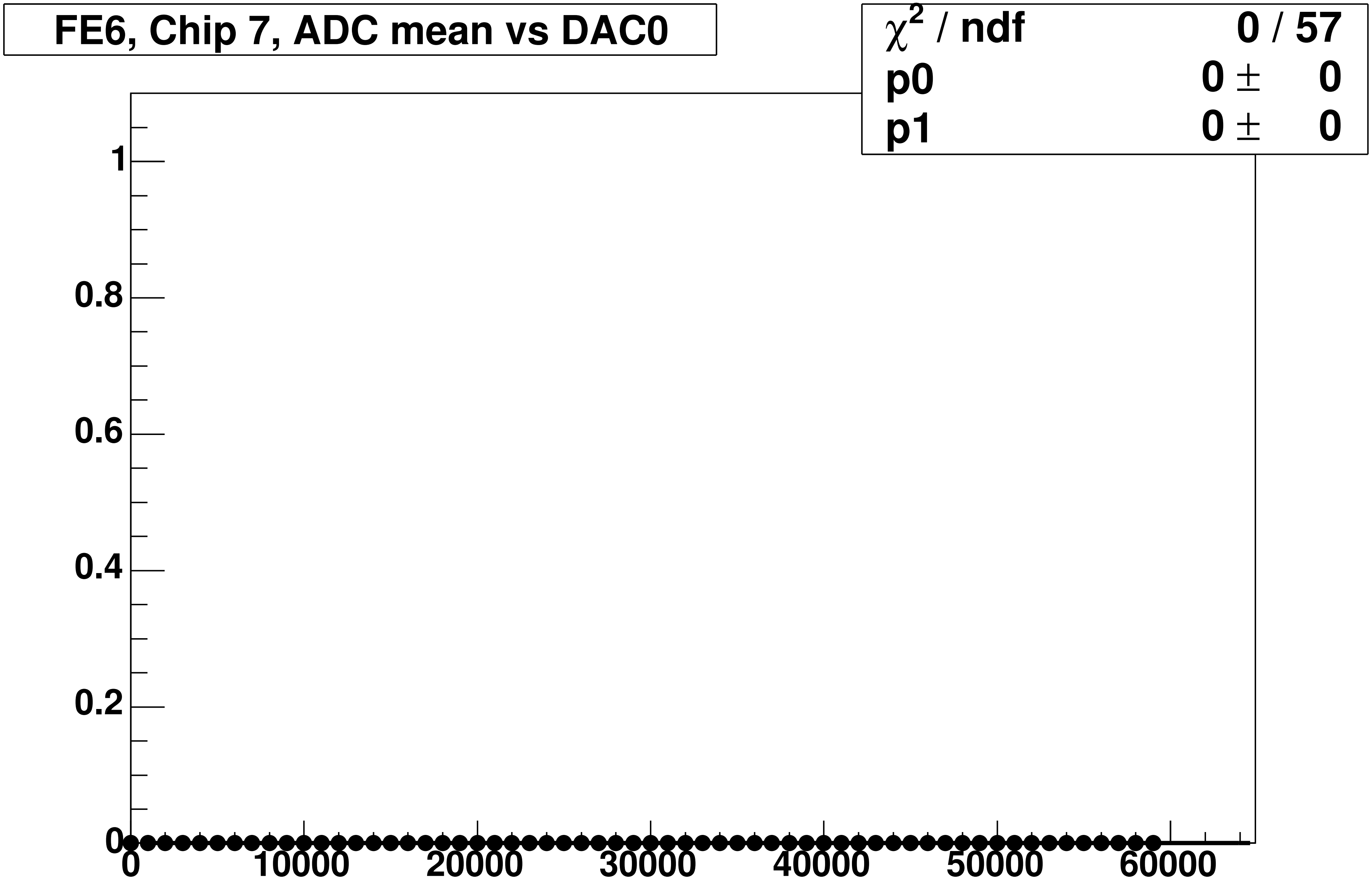
FE6, Chip 6, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



FE6, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

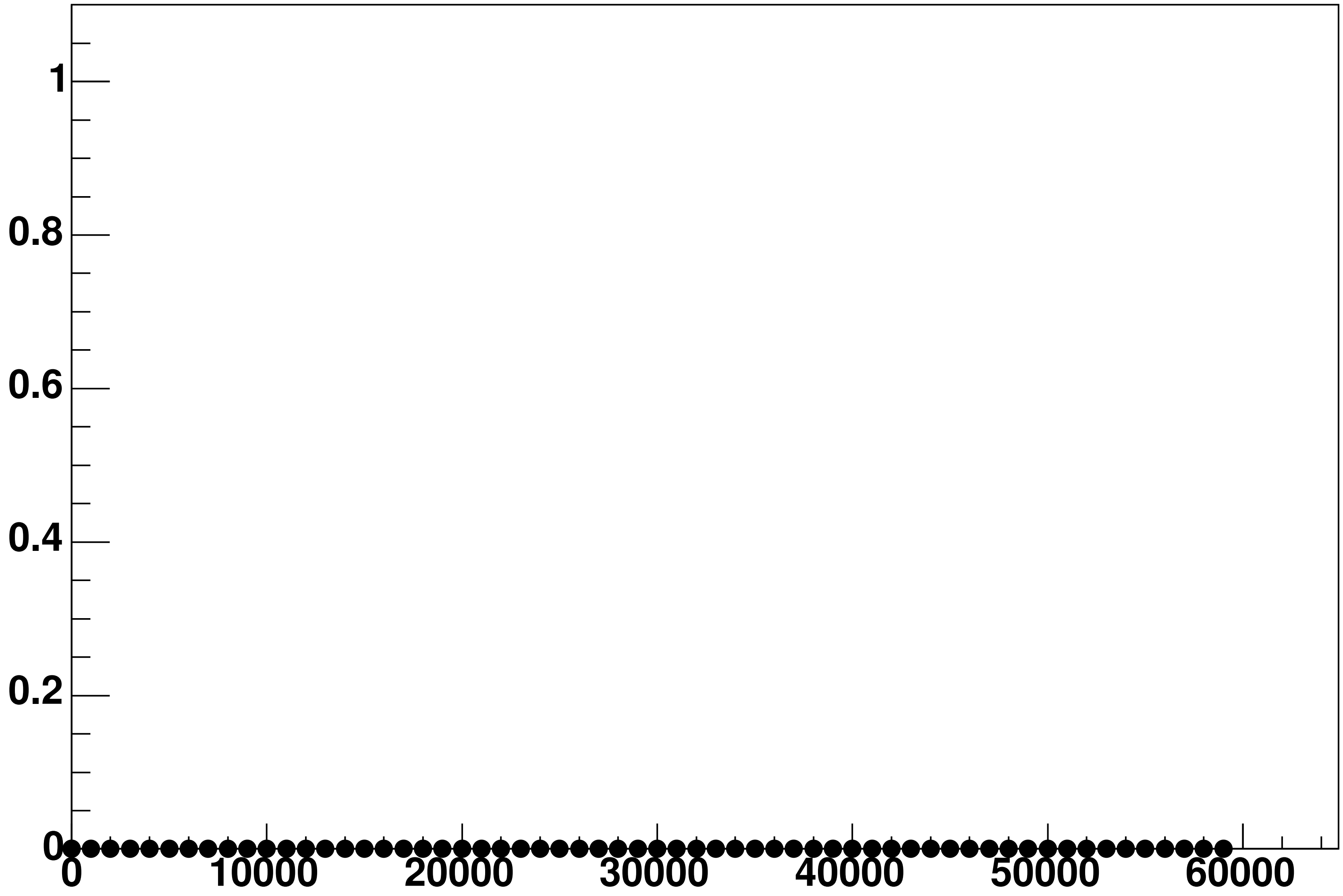

FE6, Chip 6, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 6, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

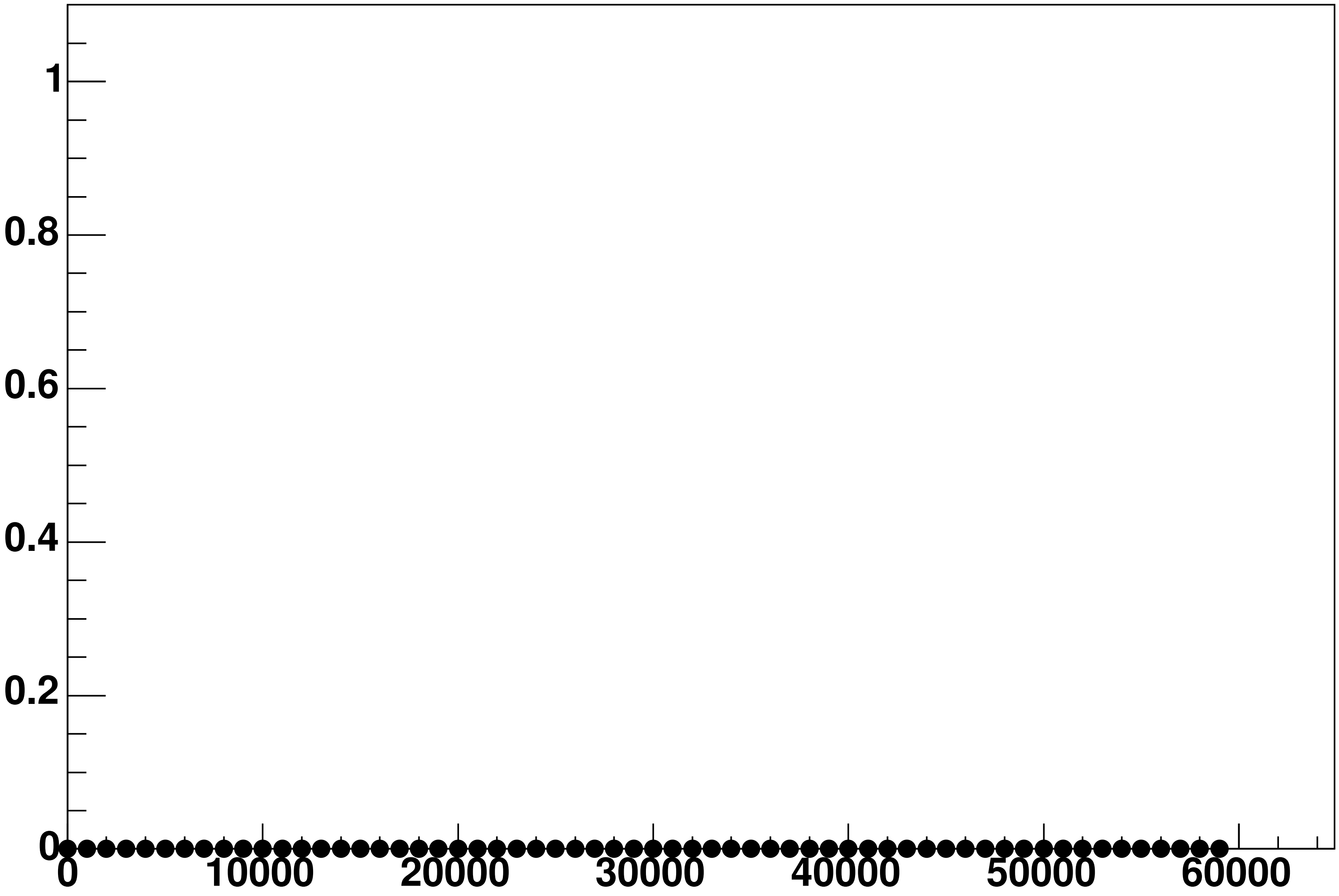


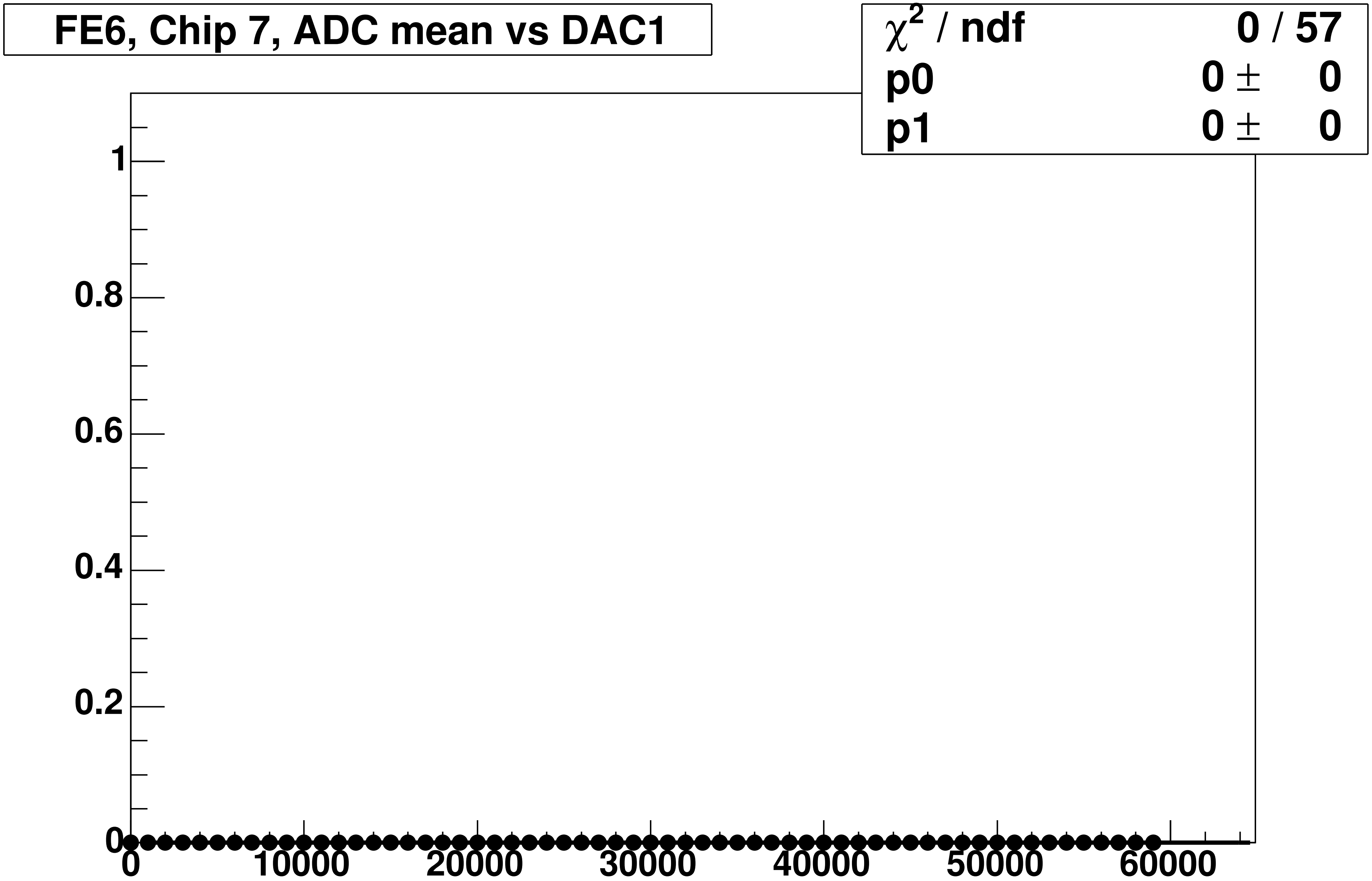
FE6, Chip 7, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE6, Chip 7, ADC noise vs DAC0

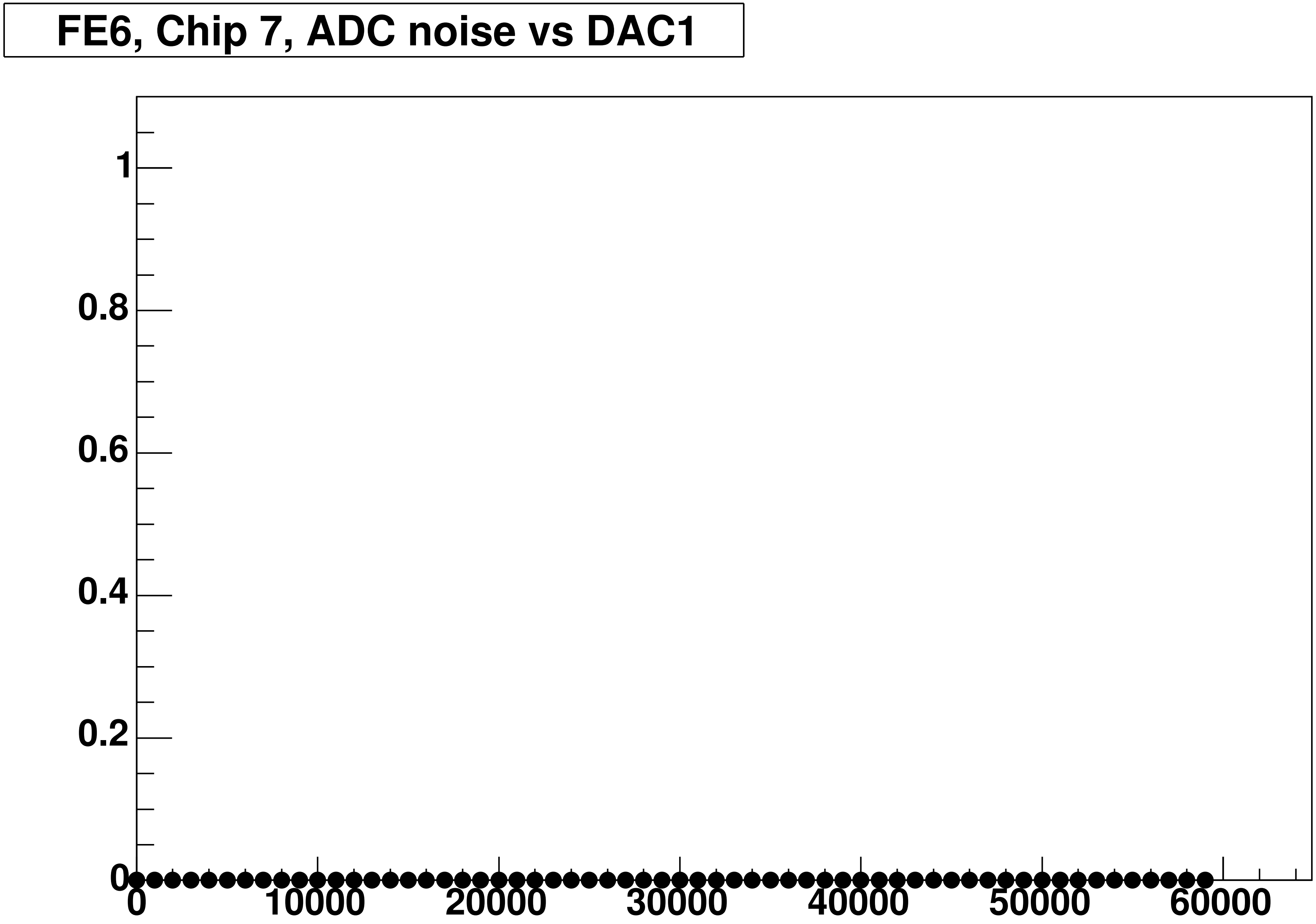


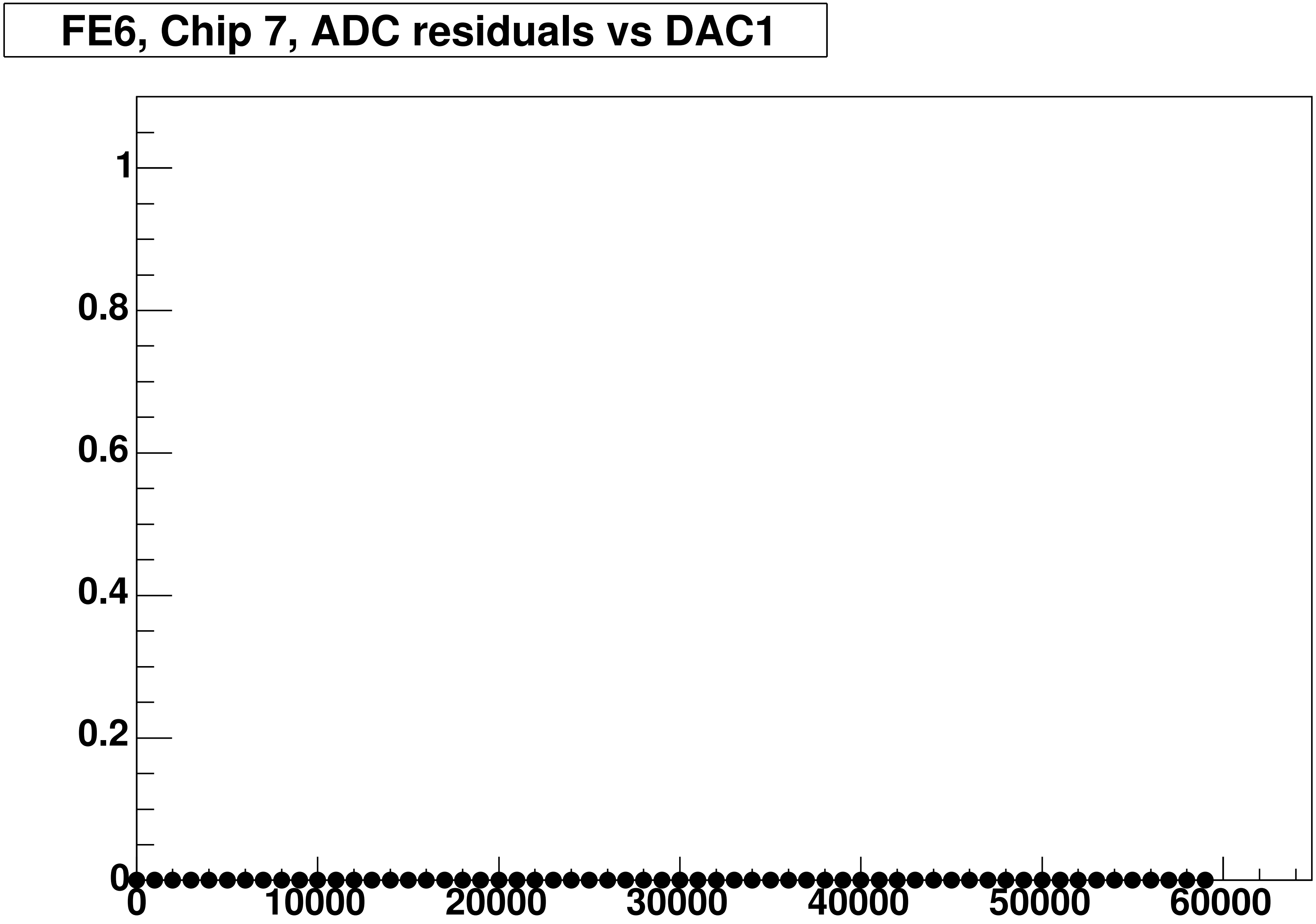
FE6, Chip 7, ADC residuals vs DAC0

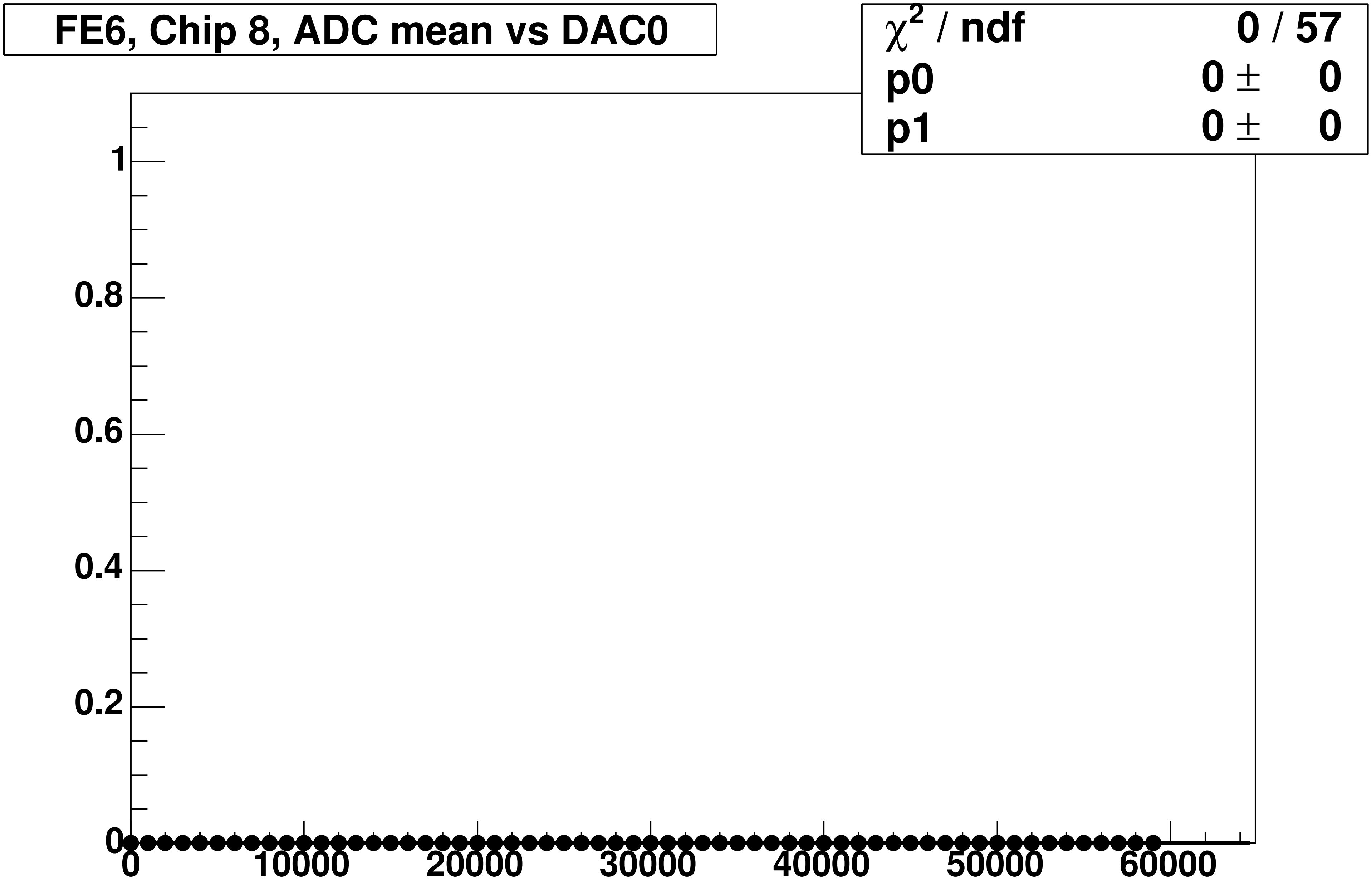




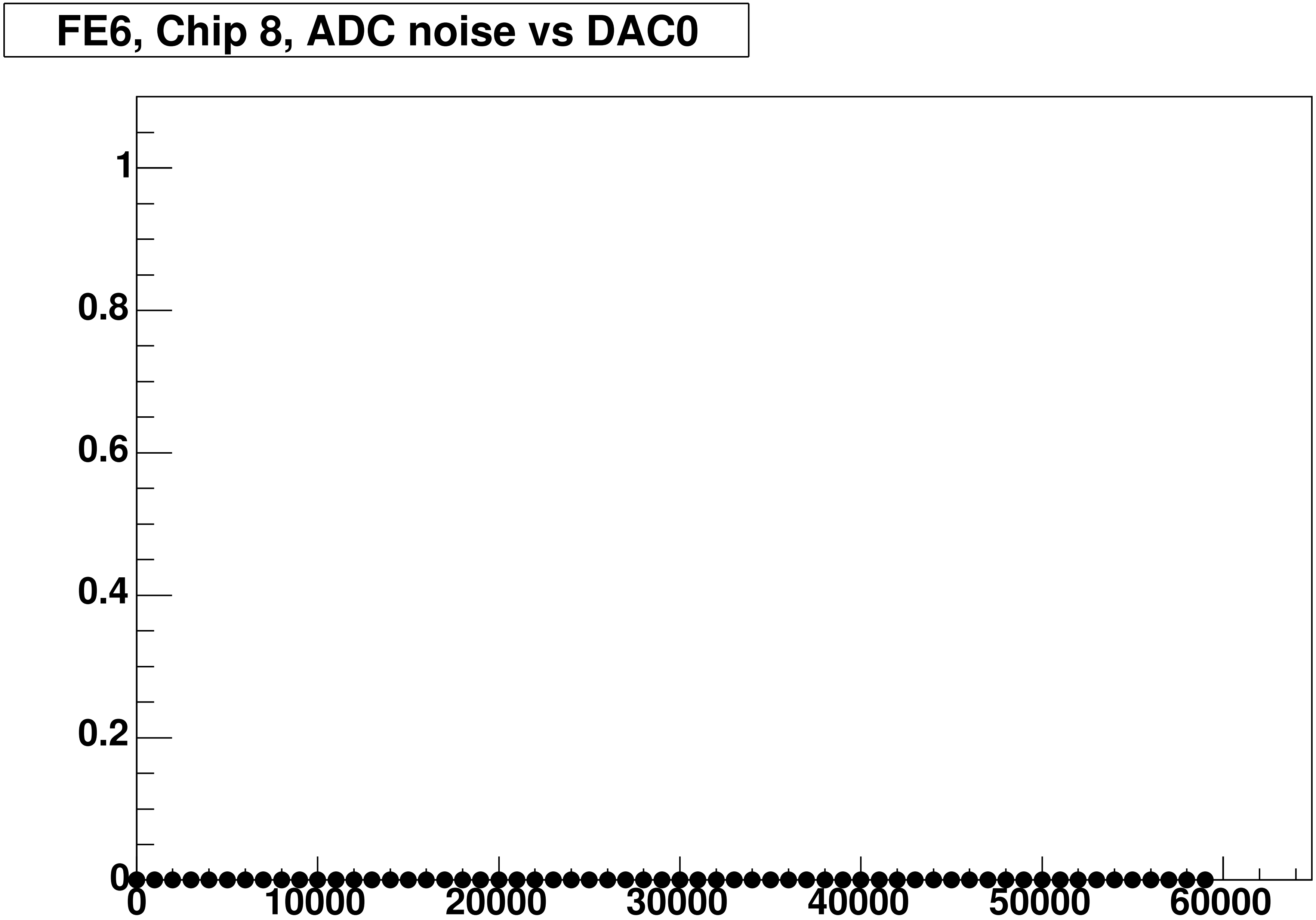
FE6, Chip 7, ADC mean vs DAC1
χ2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 7, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 7, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

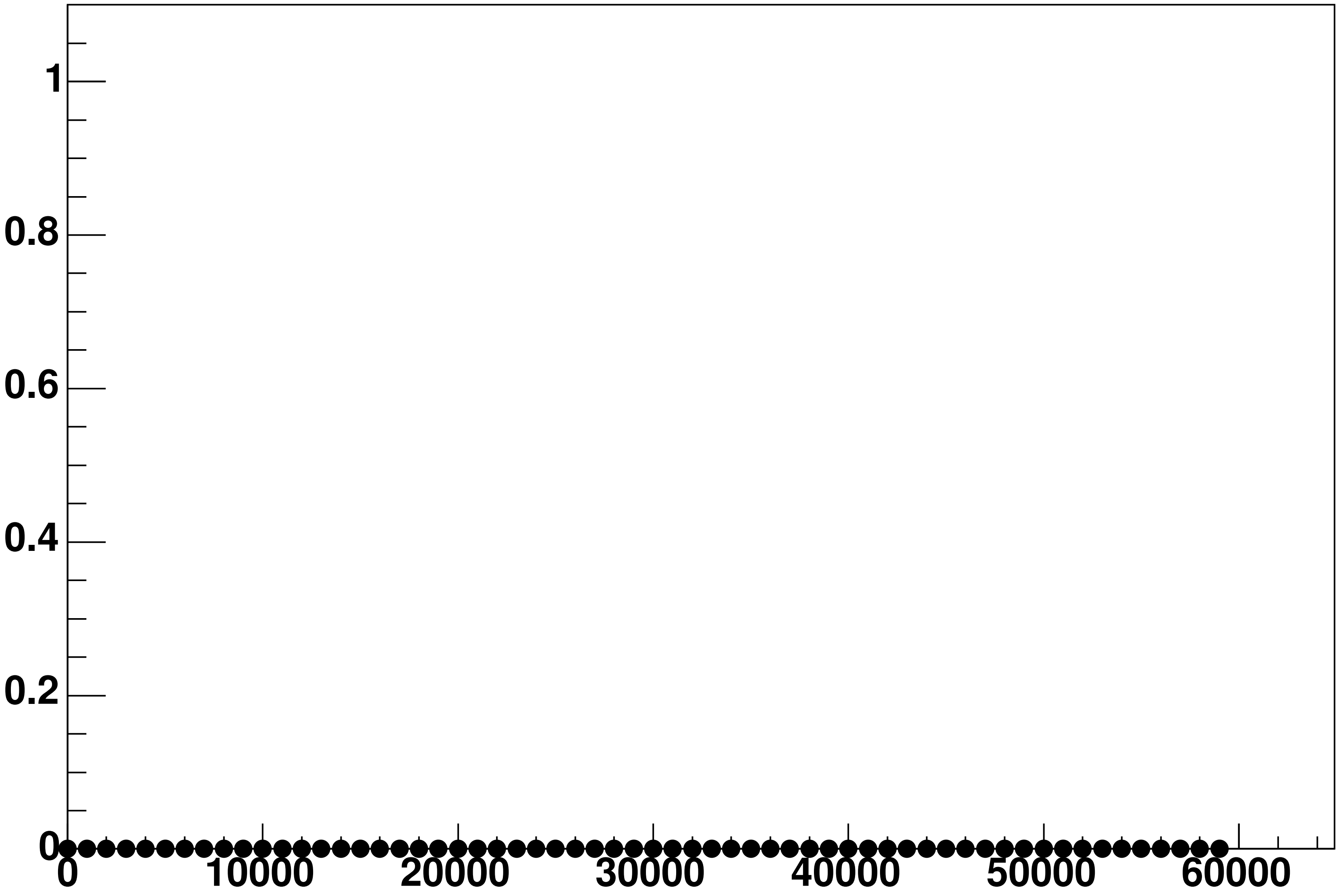


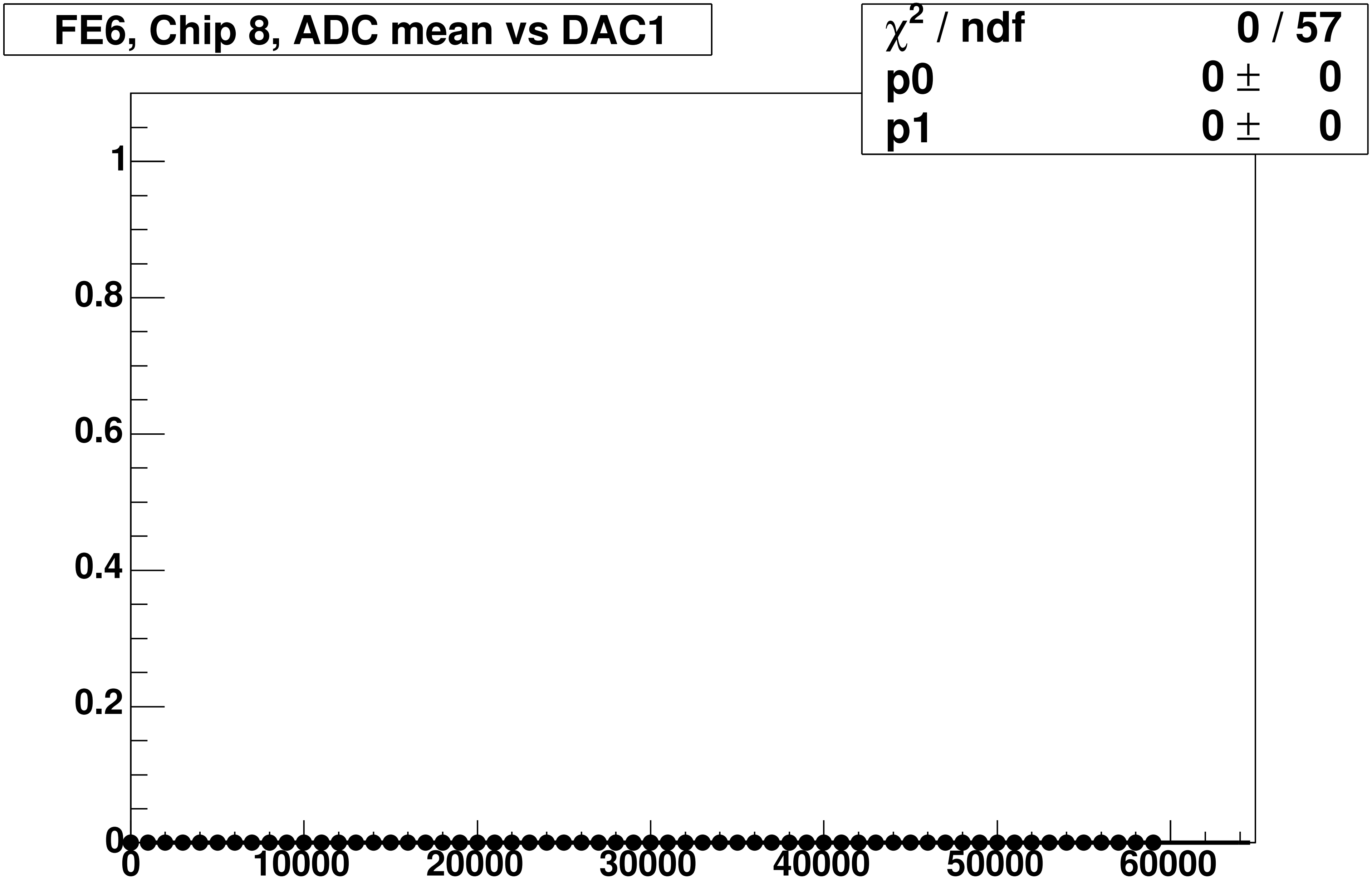
FE6, Chip 8, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



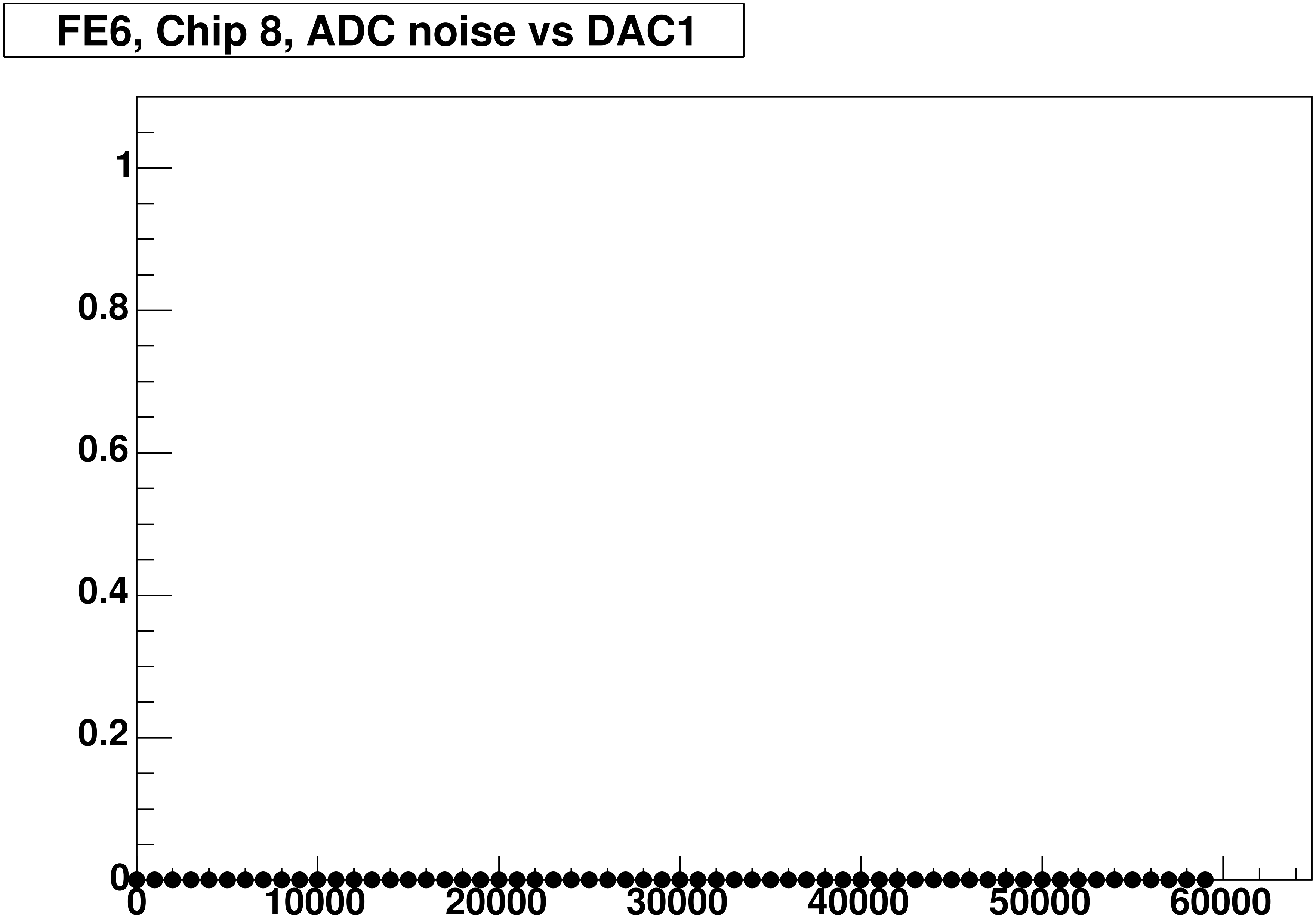
FE6, Chip 8, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE6, Chip 8, ADC residuals vs DAC0

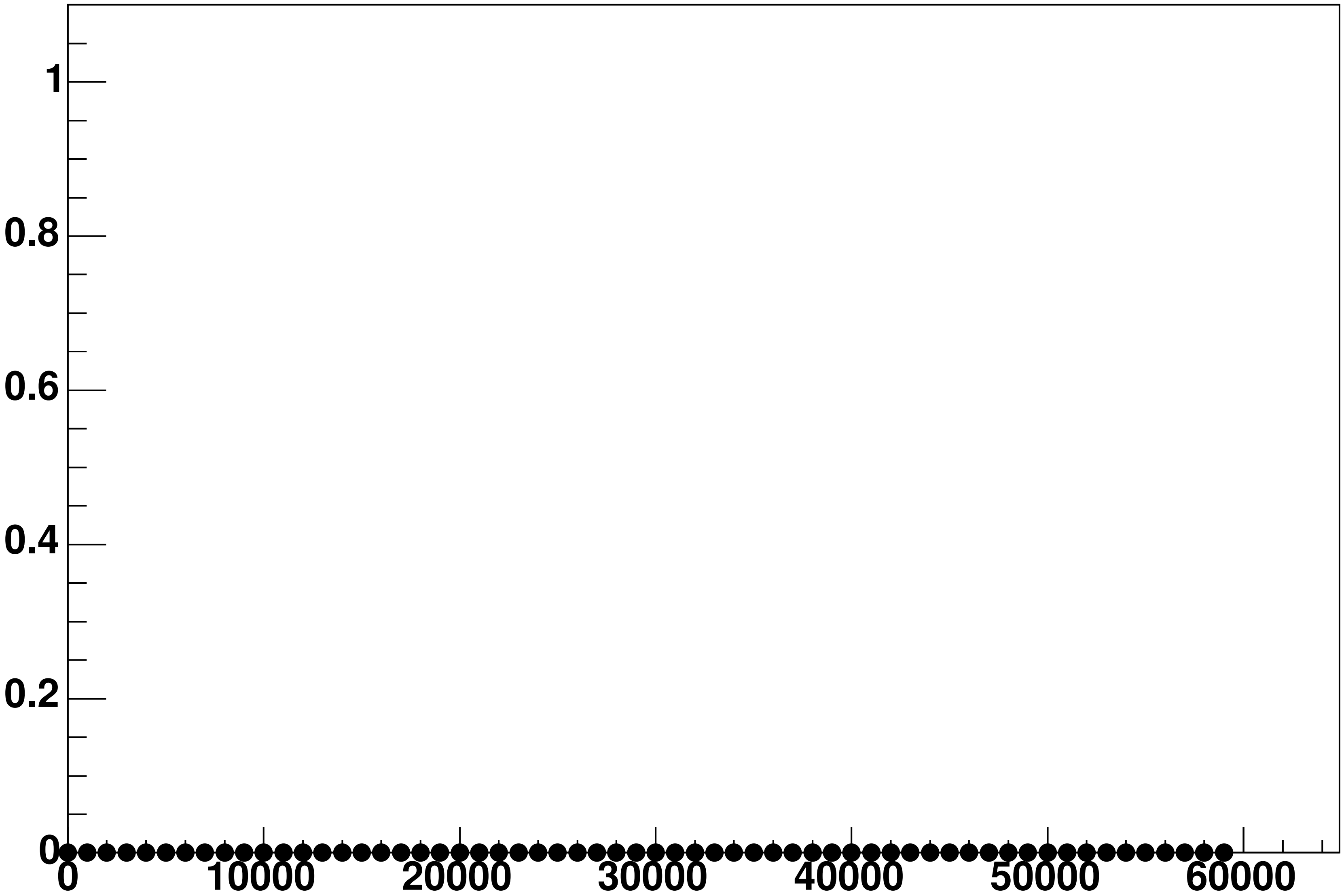




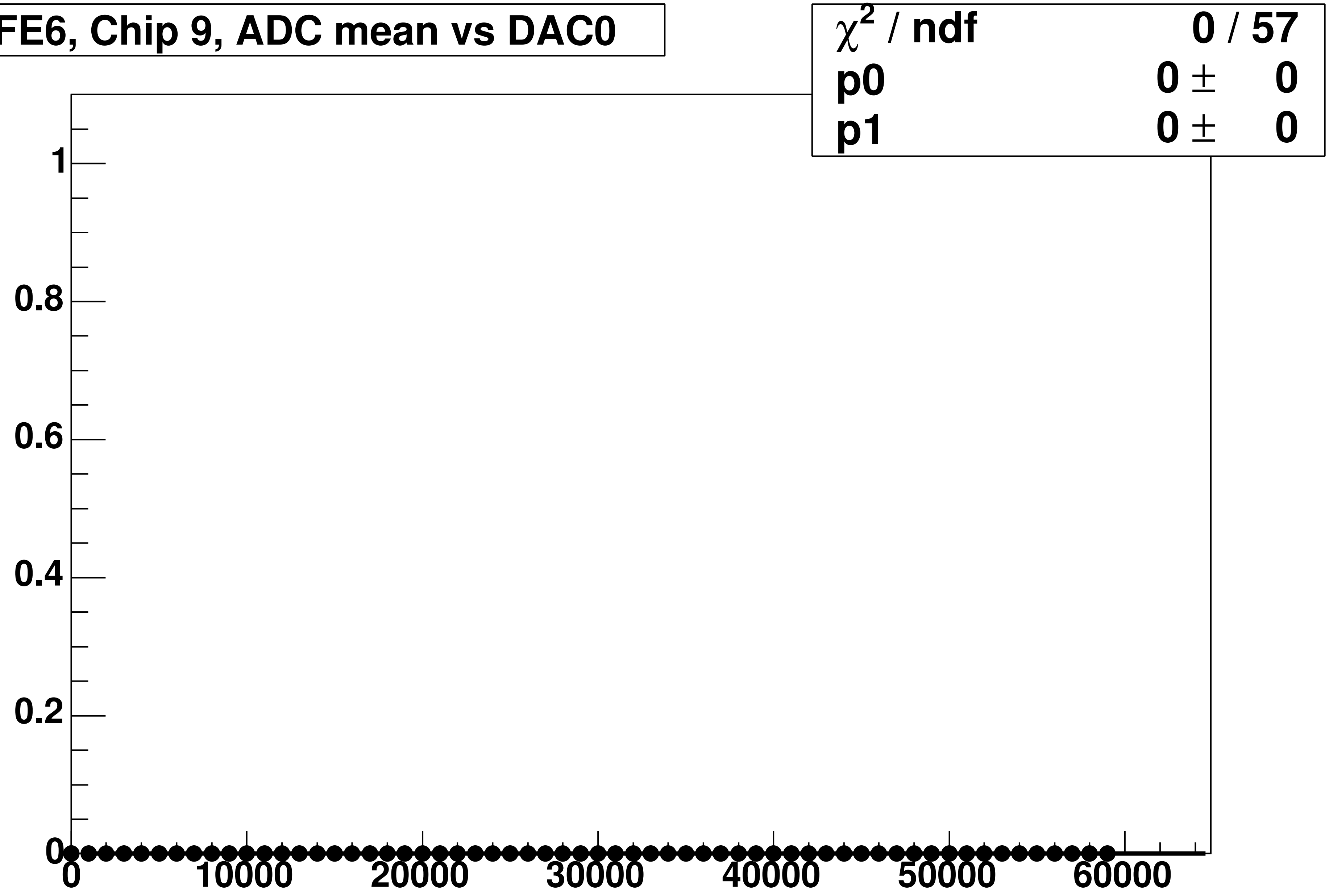
FE6, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

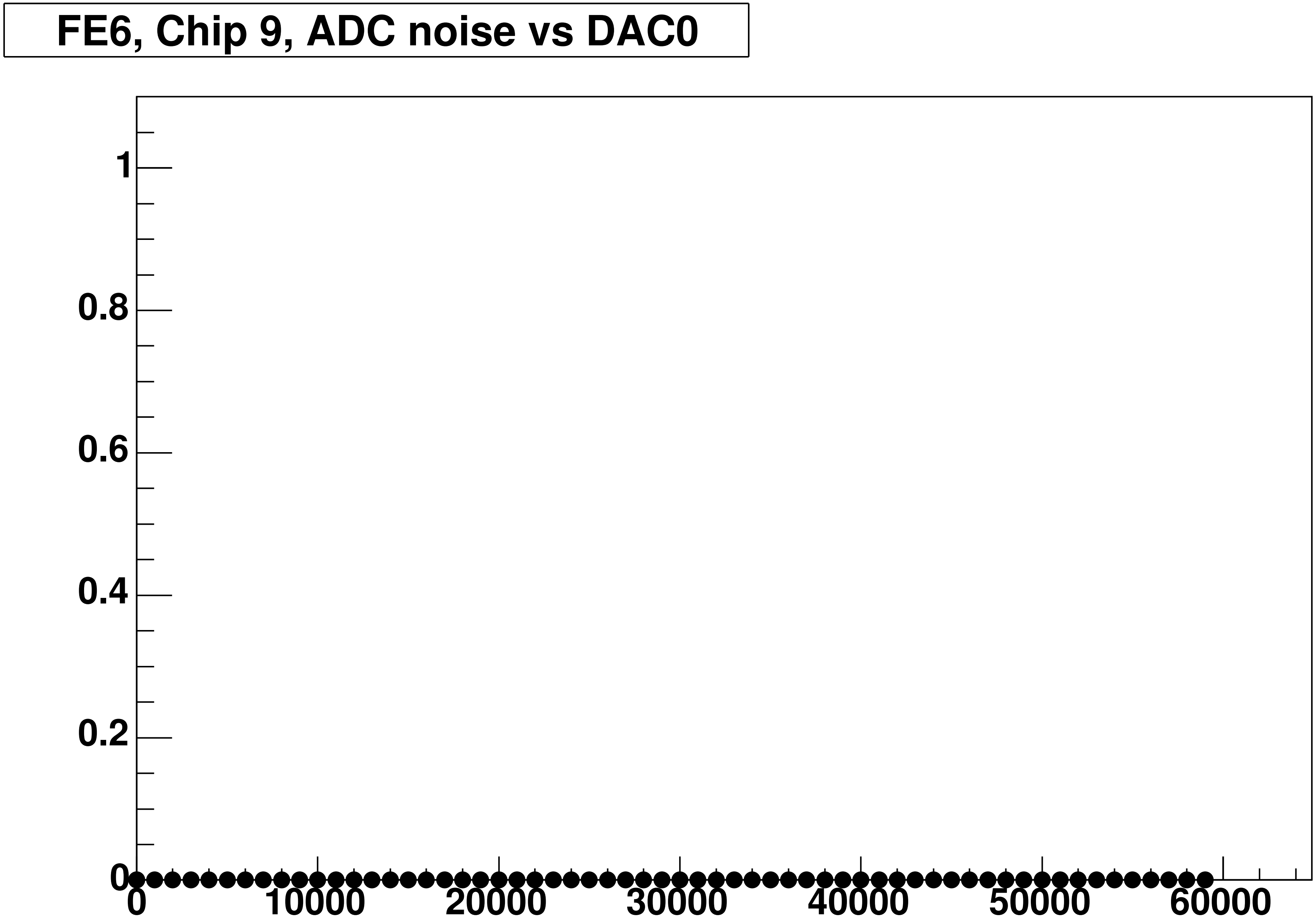

FE6, Chip 8, ADC noise vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

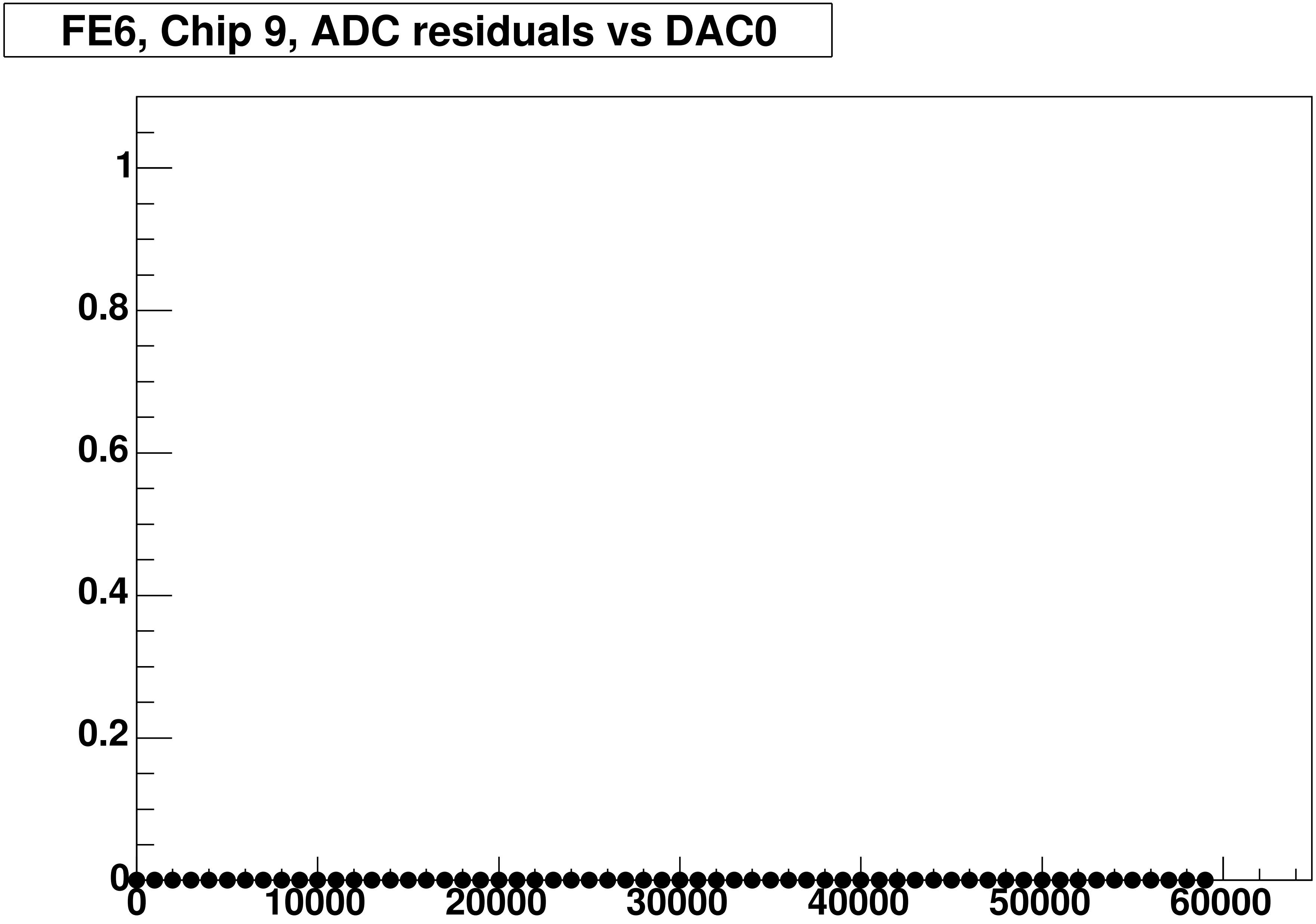
FE6, Chip 8, ADC residuals vs DAC1

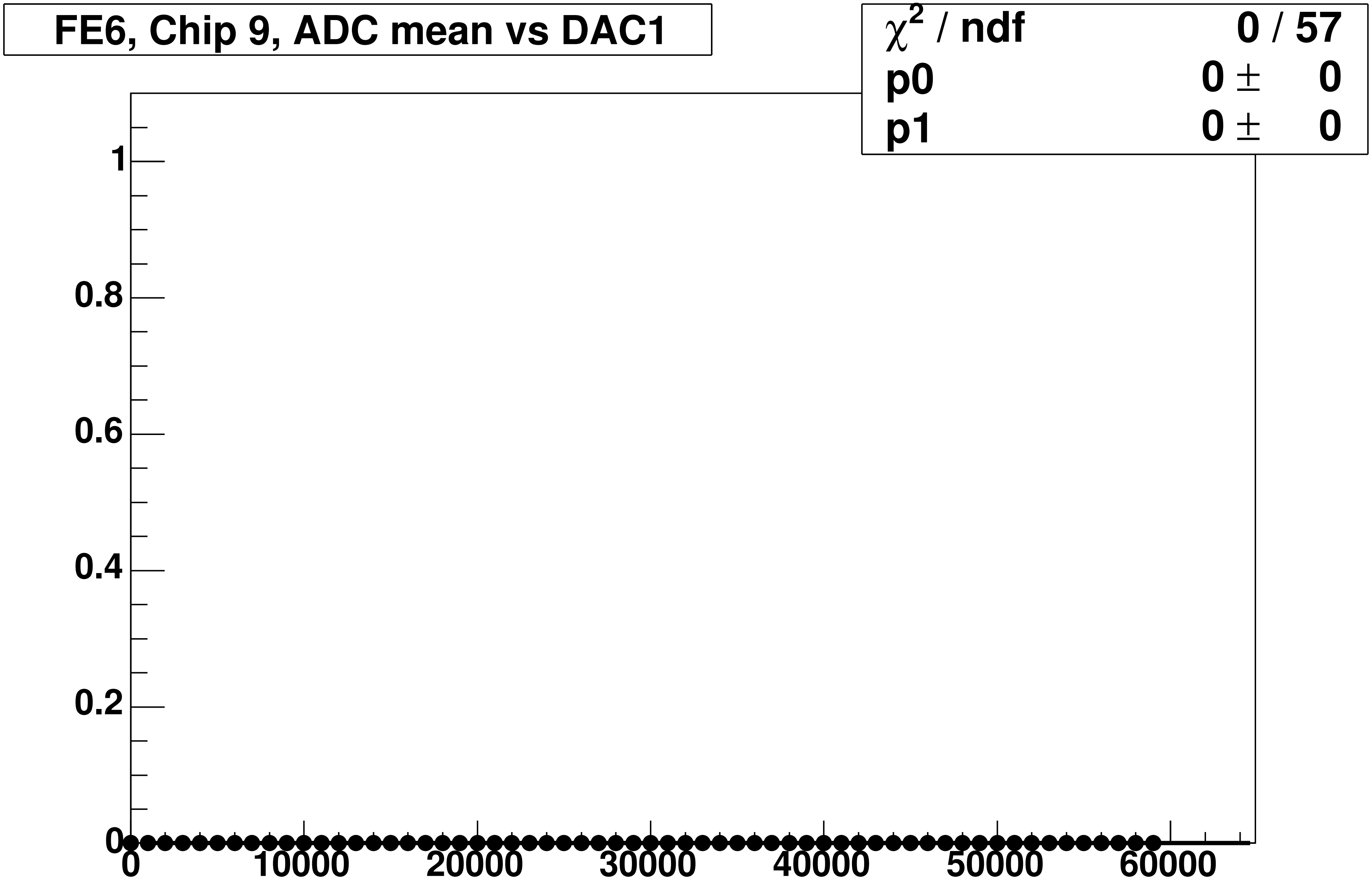


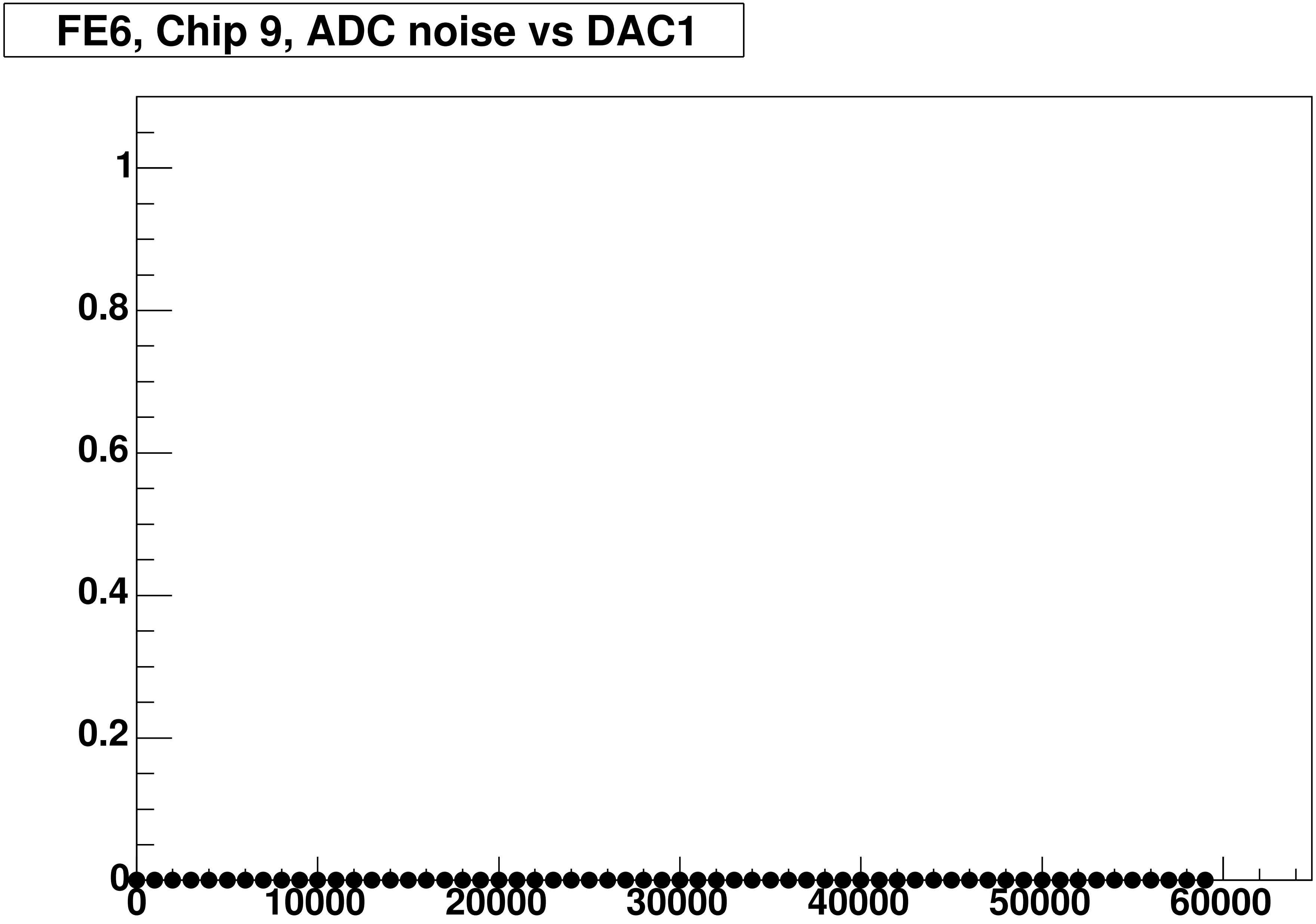
FE6, Chip 9, ADC mean vs DAC0

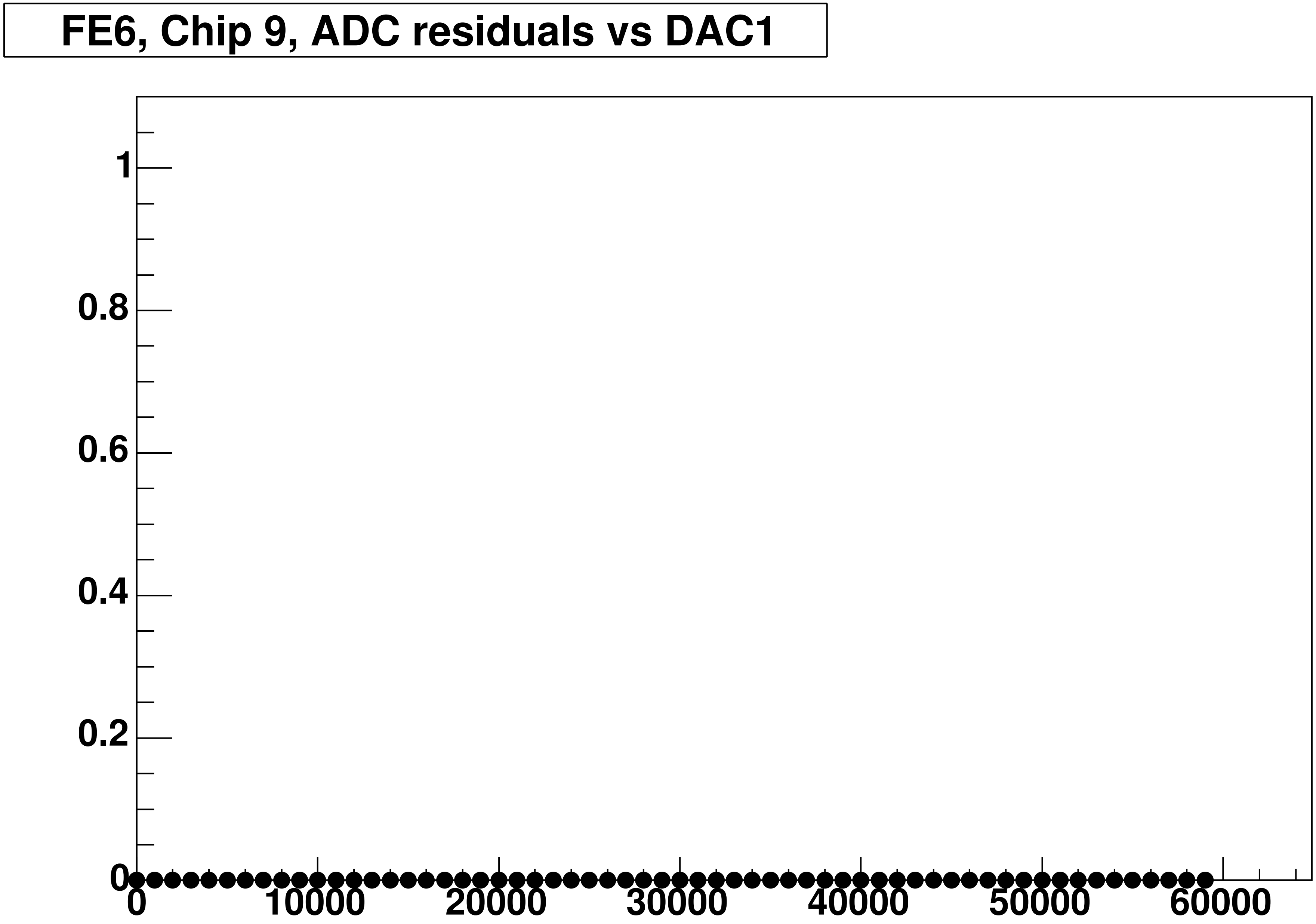



FE6, Chip 9, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

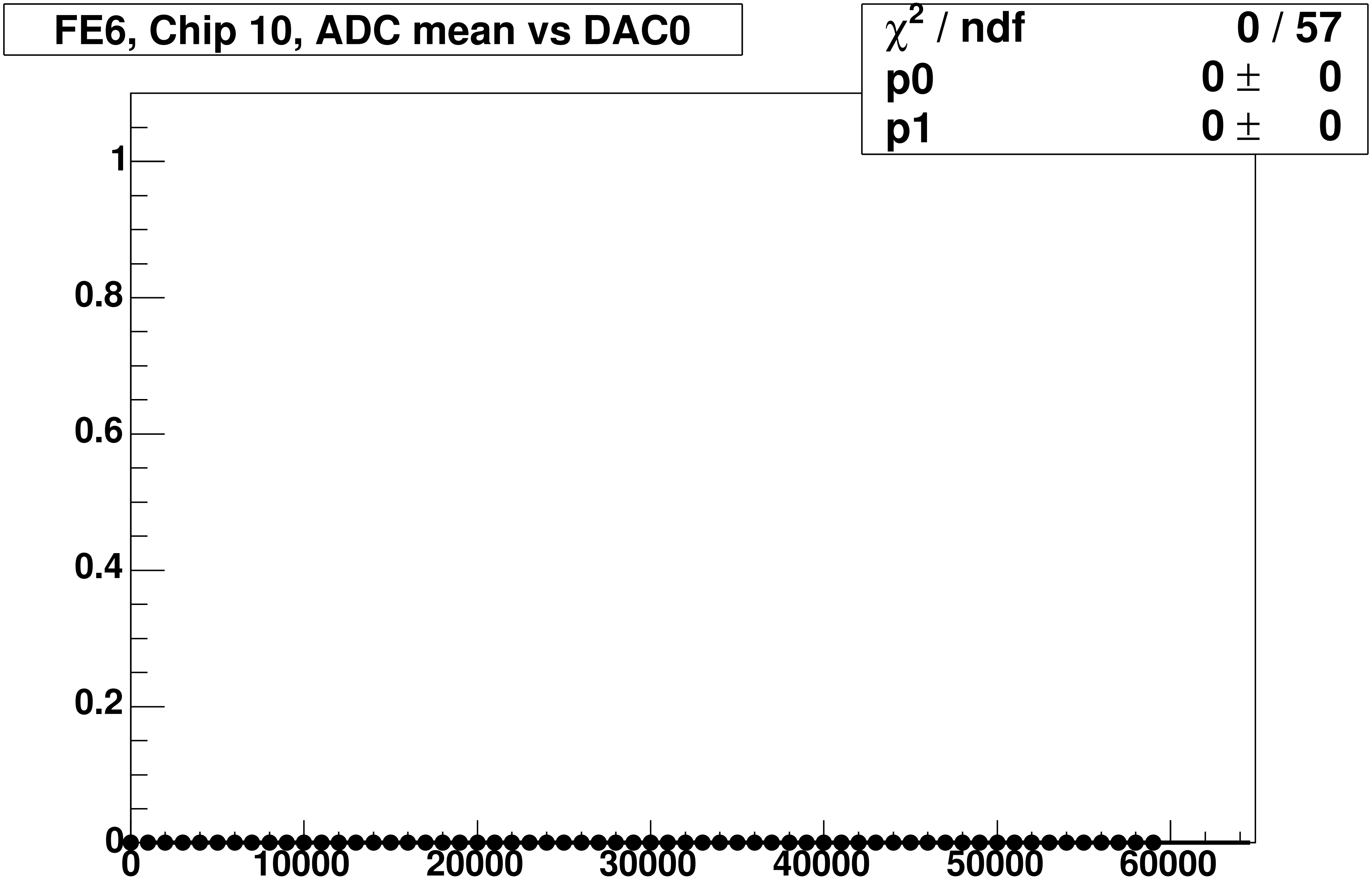

FE6, Chip 9, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 9, ADC mean vs DAC1
χ2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

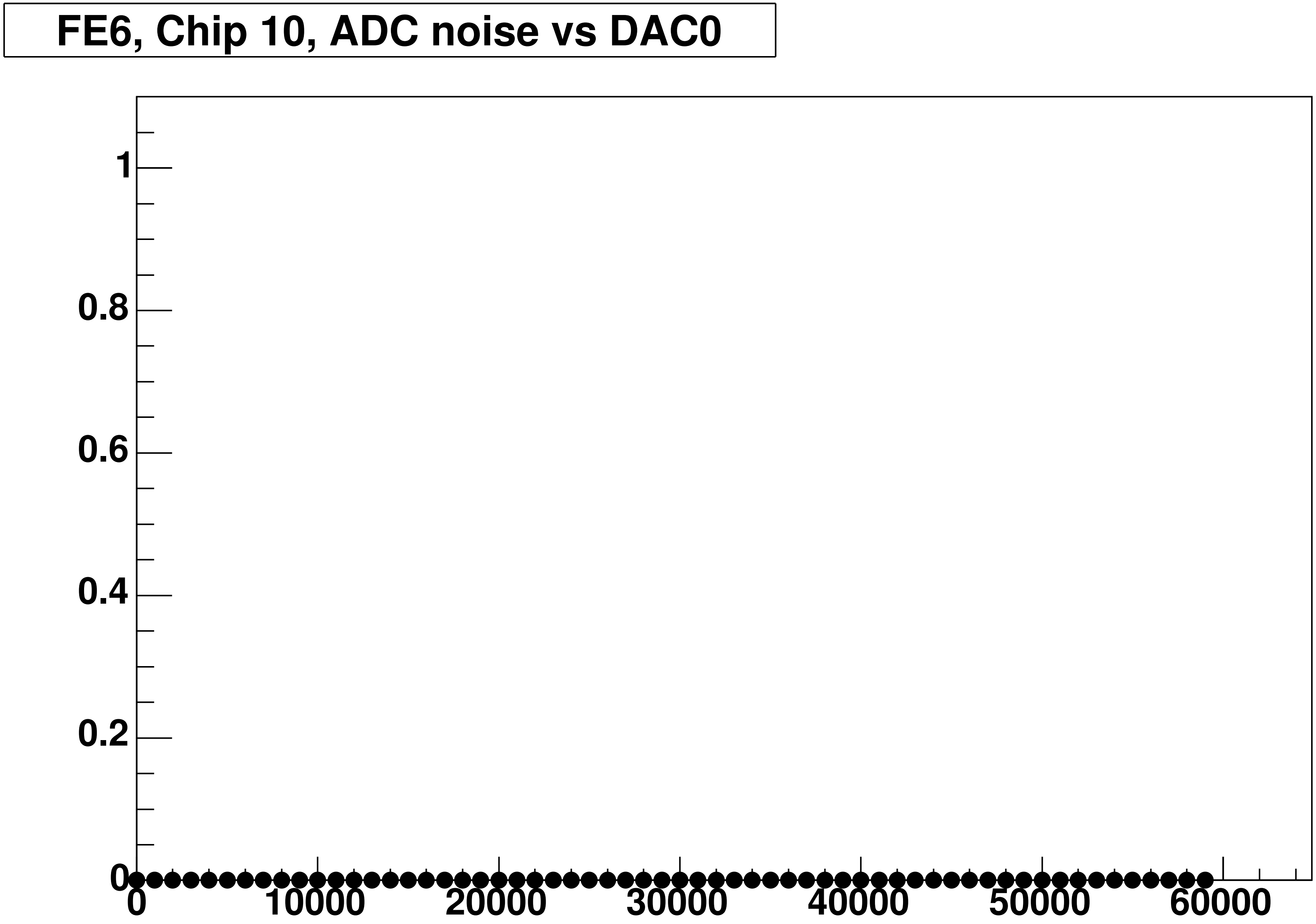

FE6, Chip 9, ADC noise vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

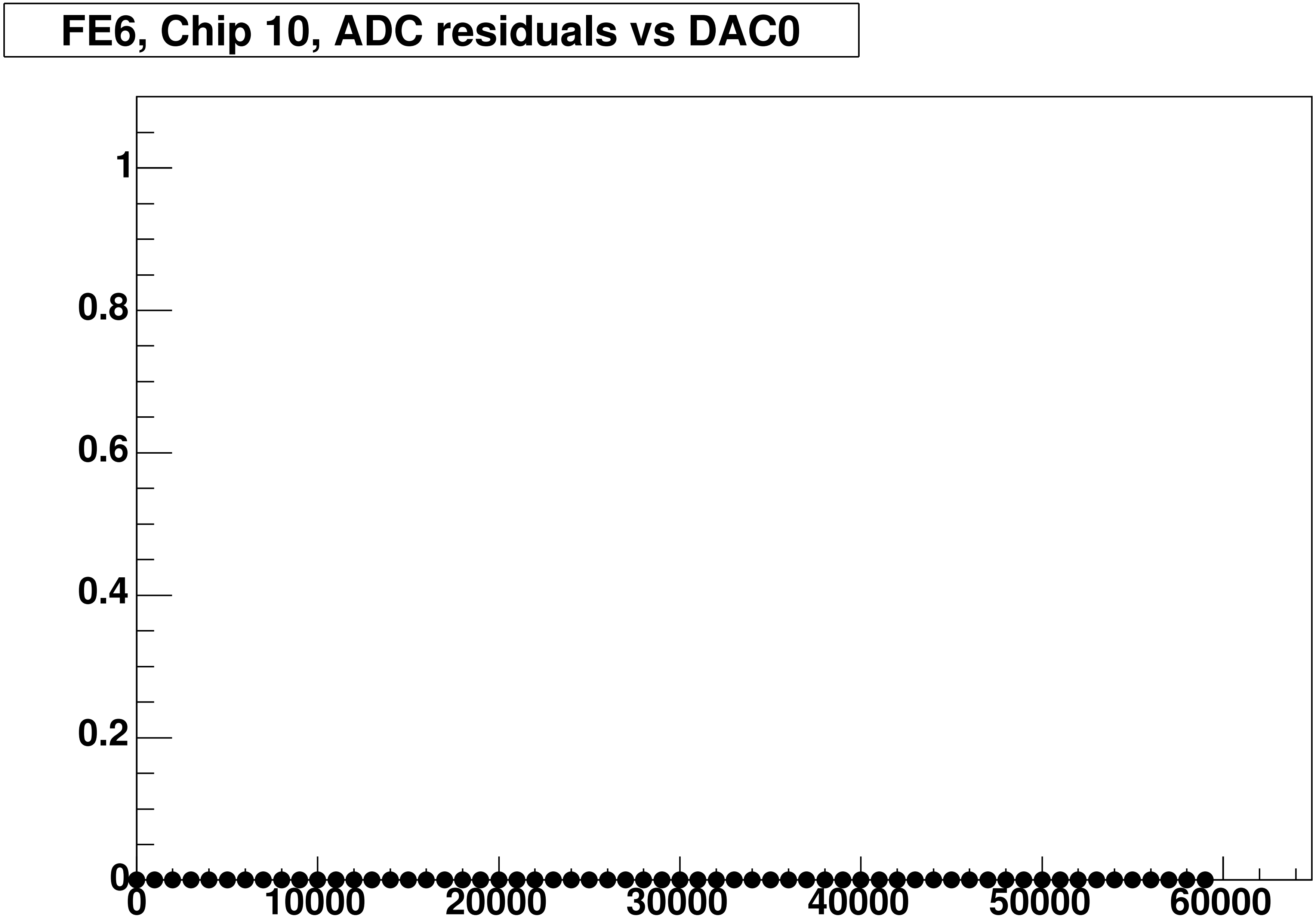


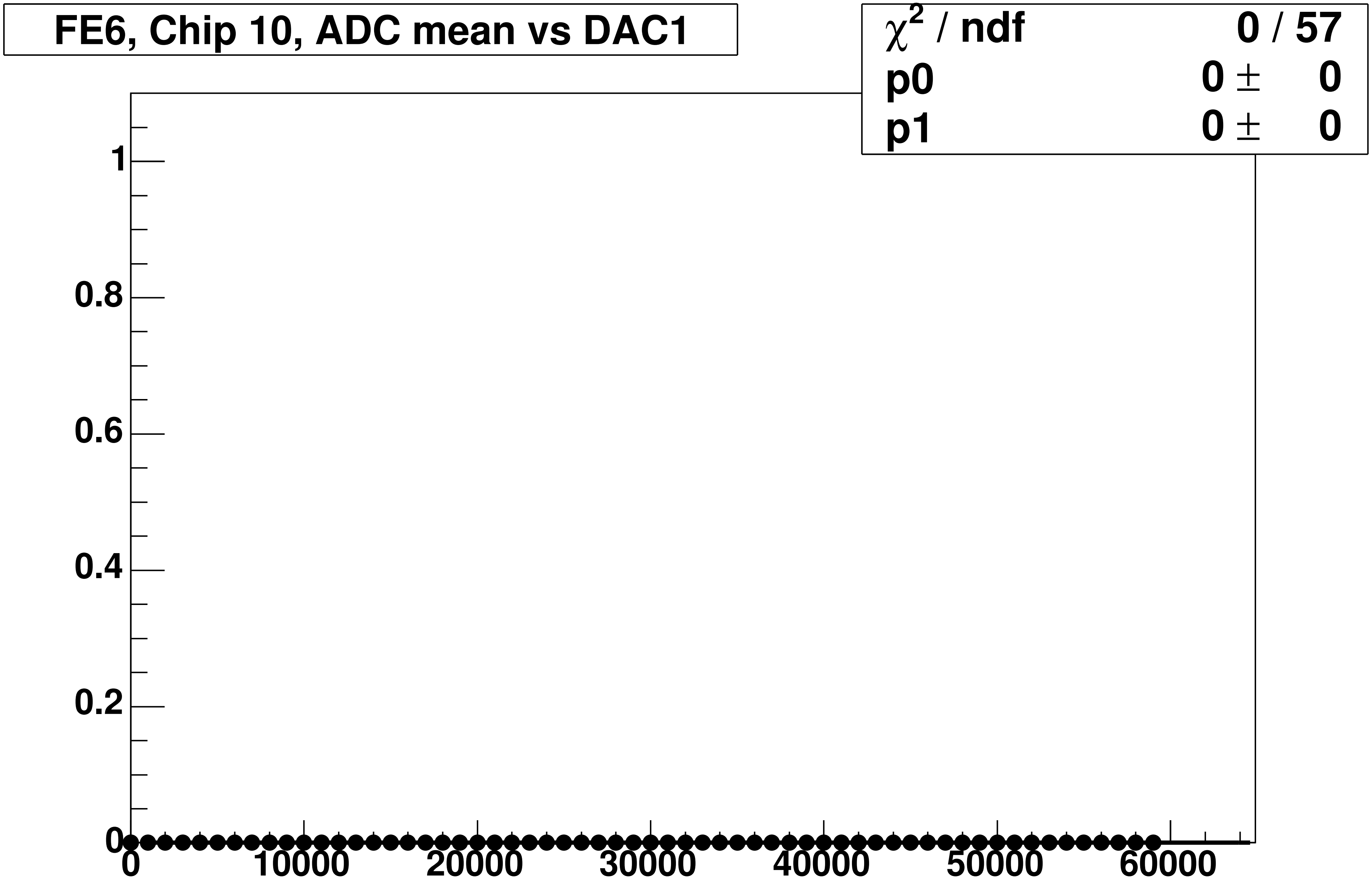
FE6, Chip 9, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

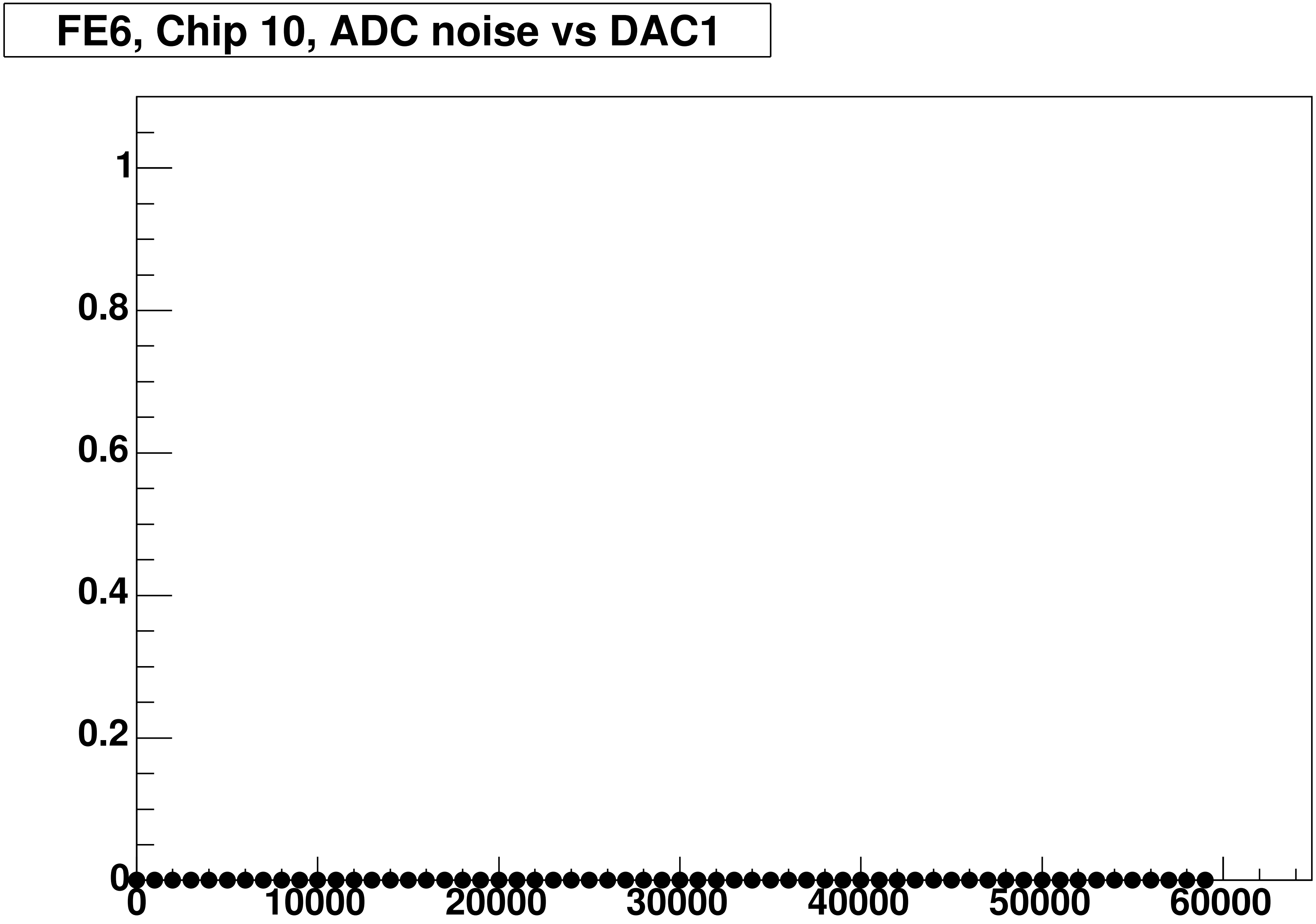


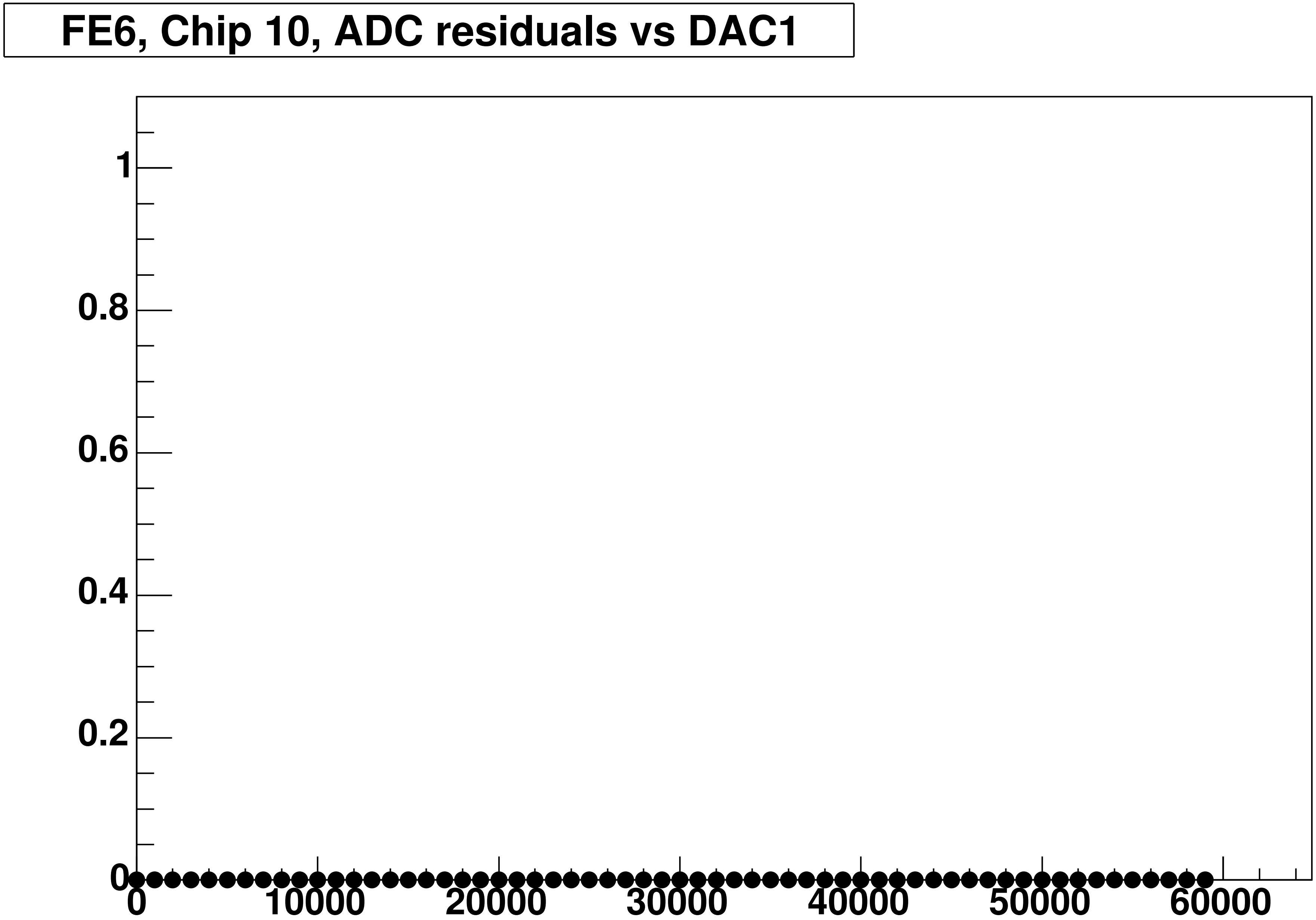
FE6, Chip 10, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

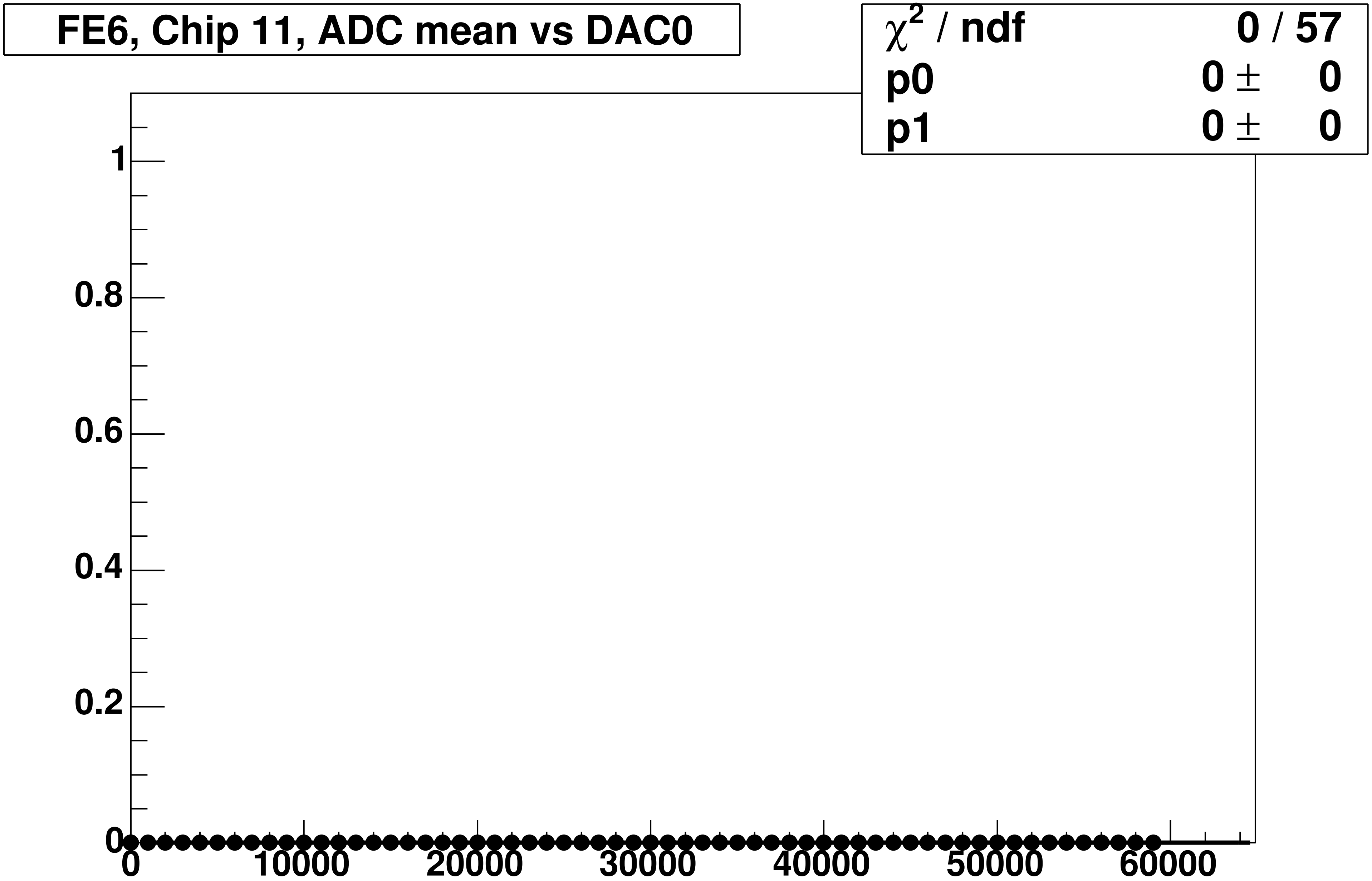

FE6, Chip 10, ADC noise vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000


FE6, Chip 10, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

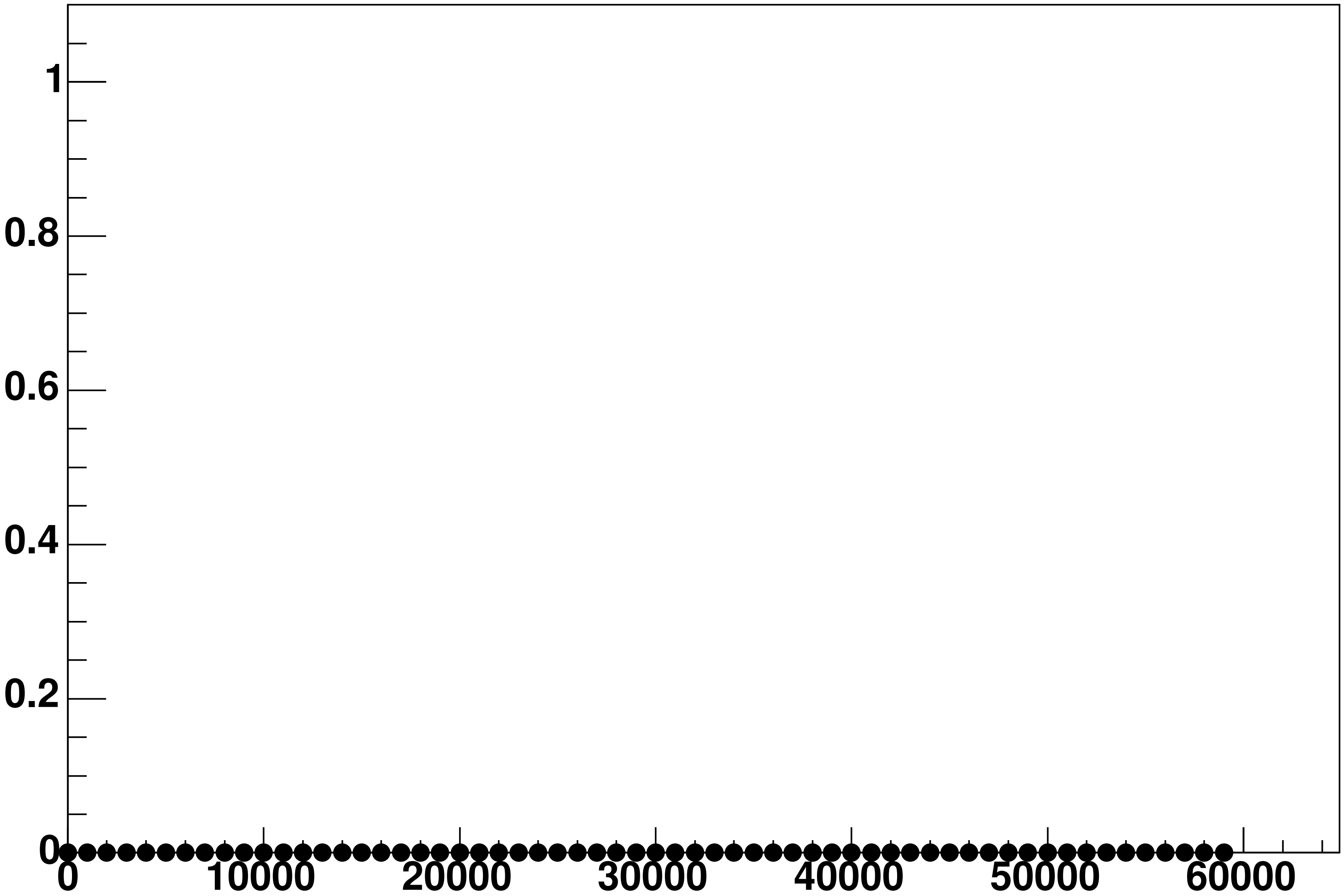

FE6, Chip 10, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

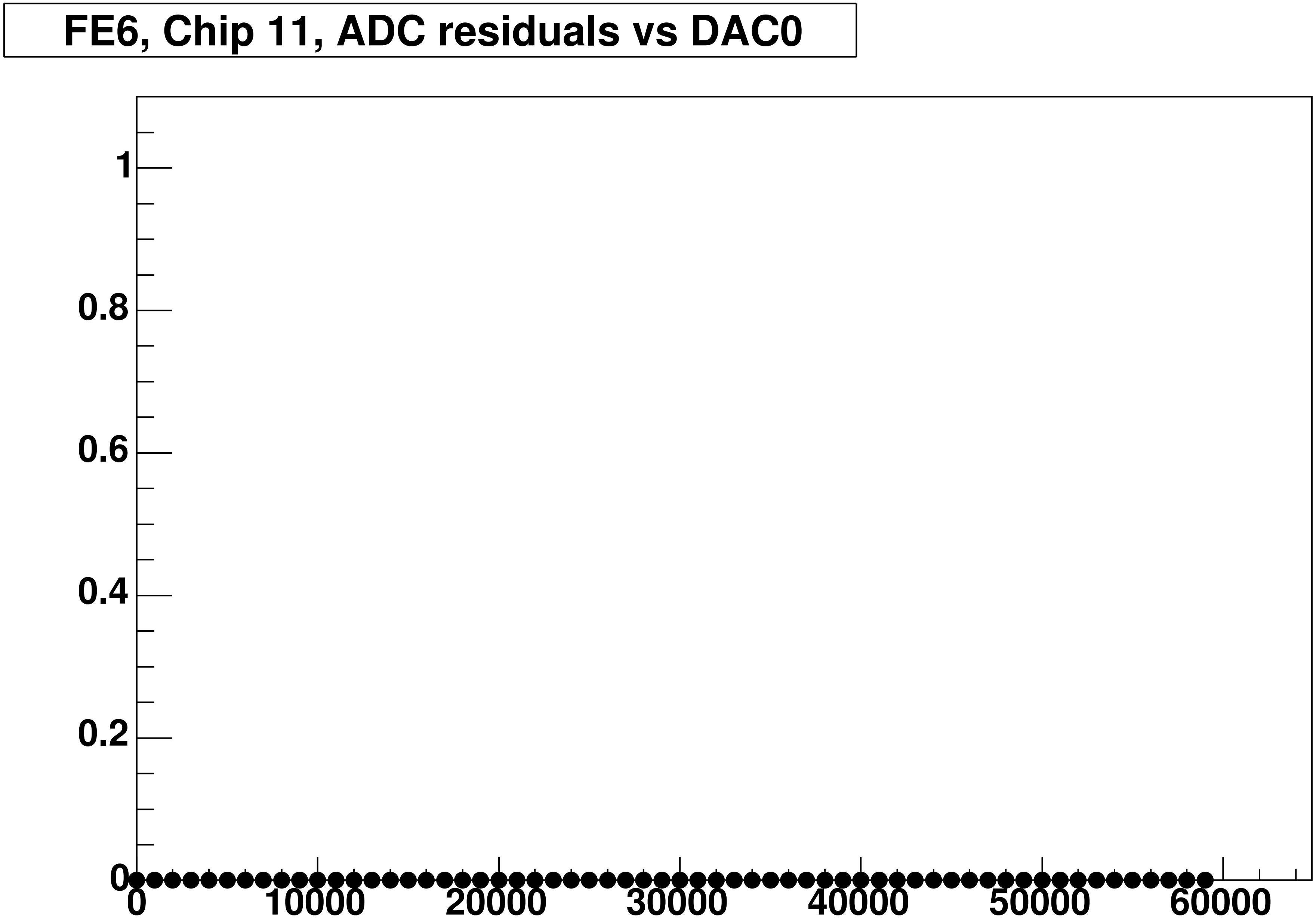

FE6, Chip 10, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

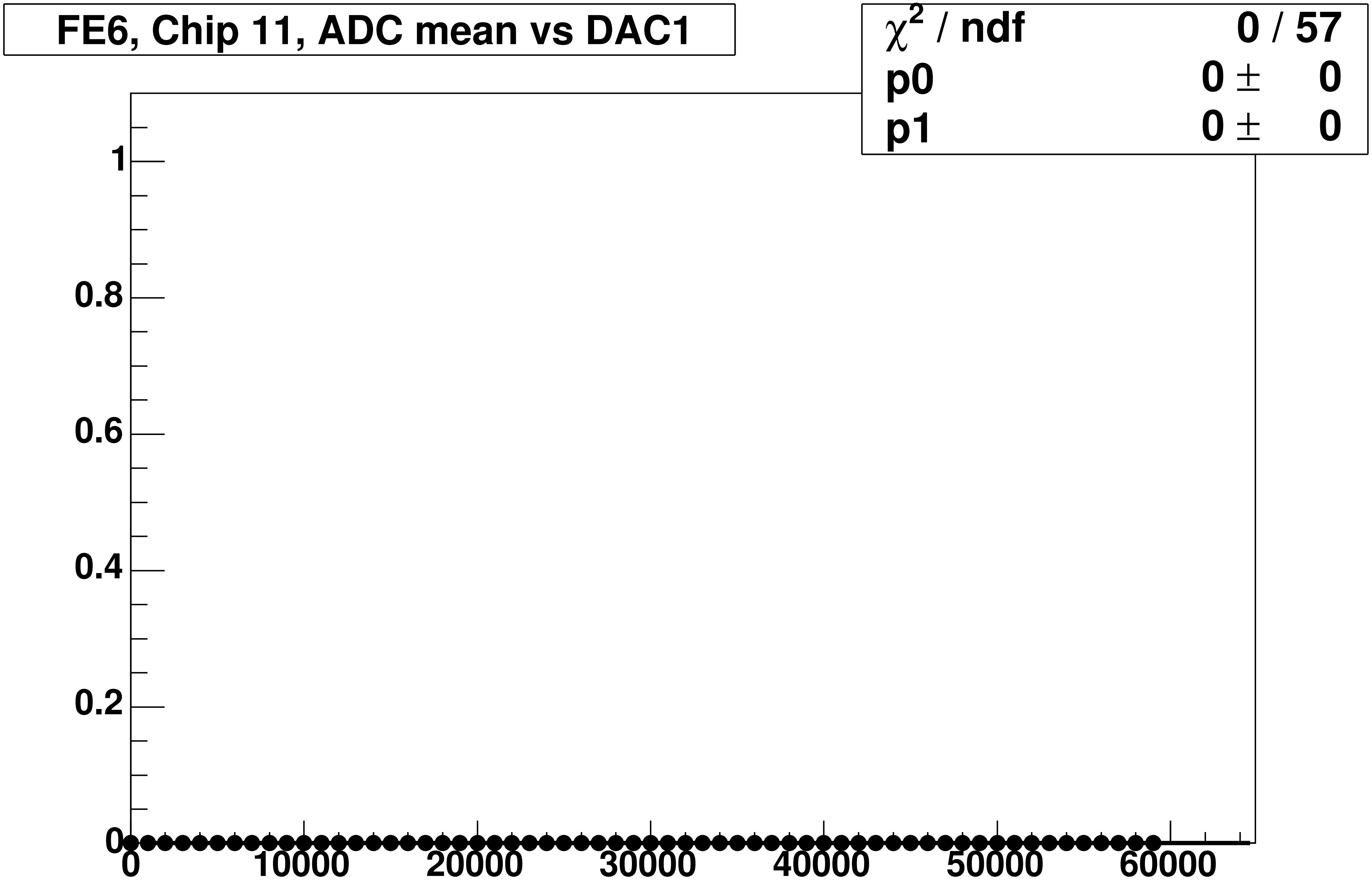


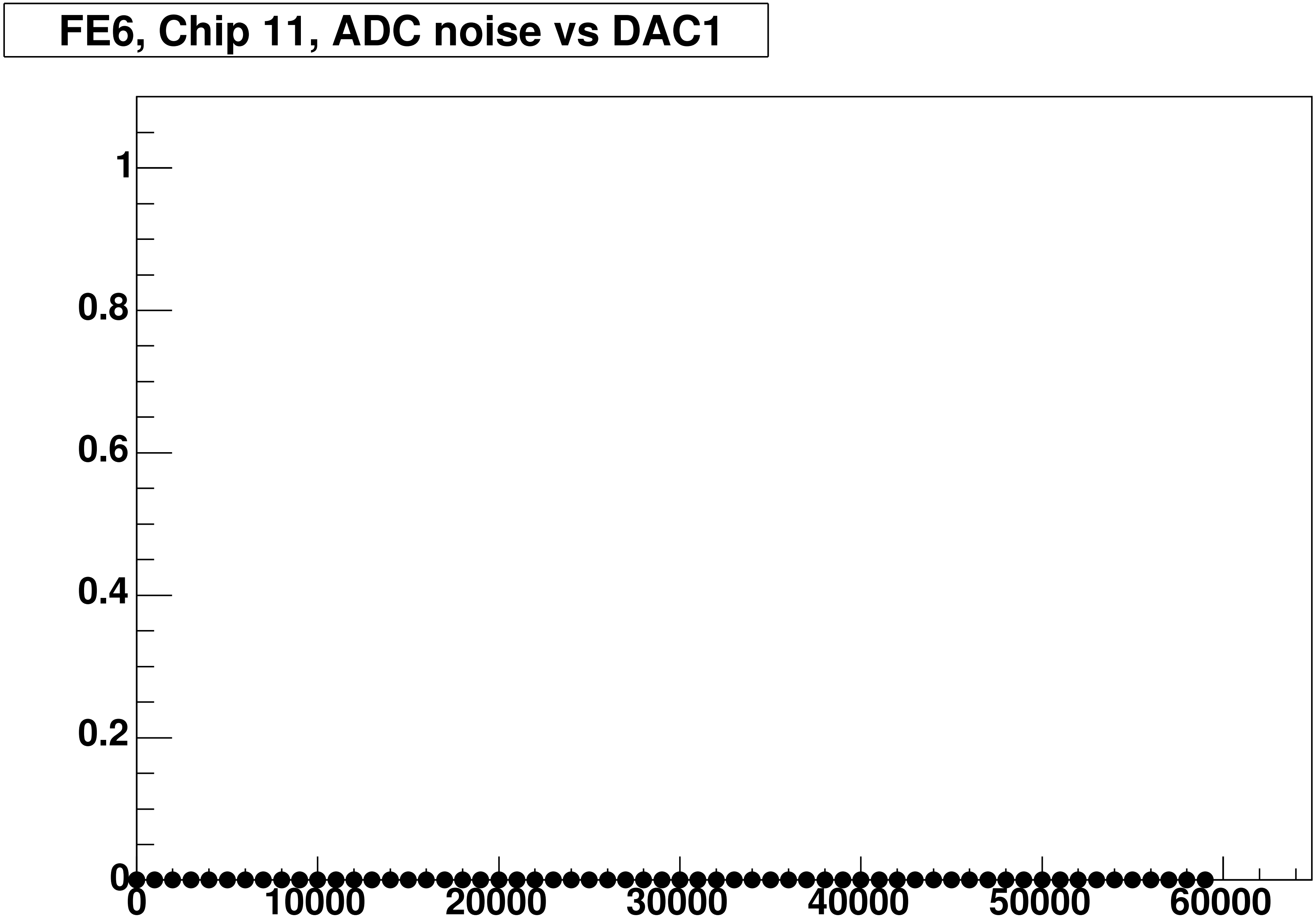
FE6, Chip 11, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE6, Chip 11, ADC noise vs DAC0



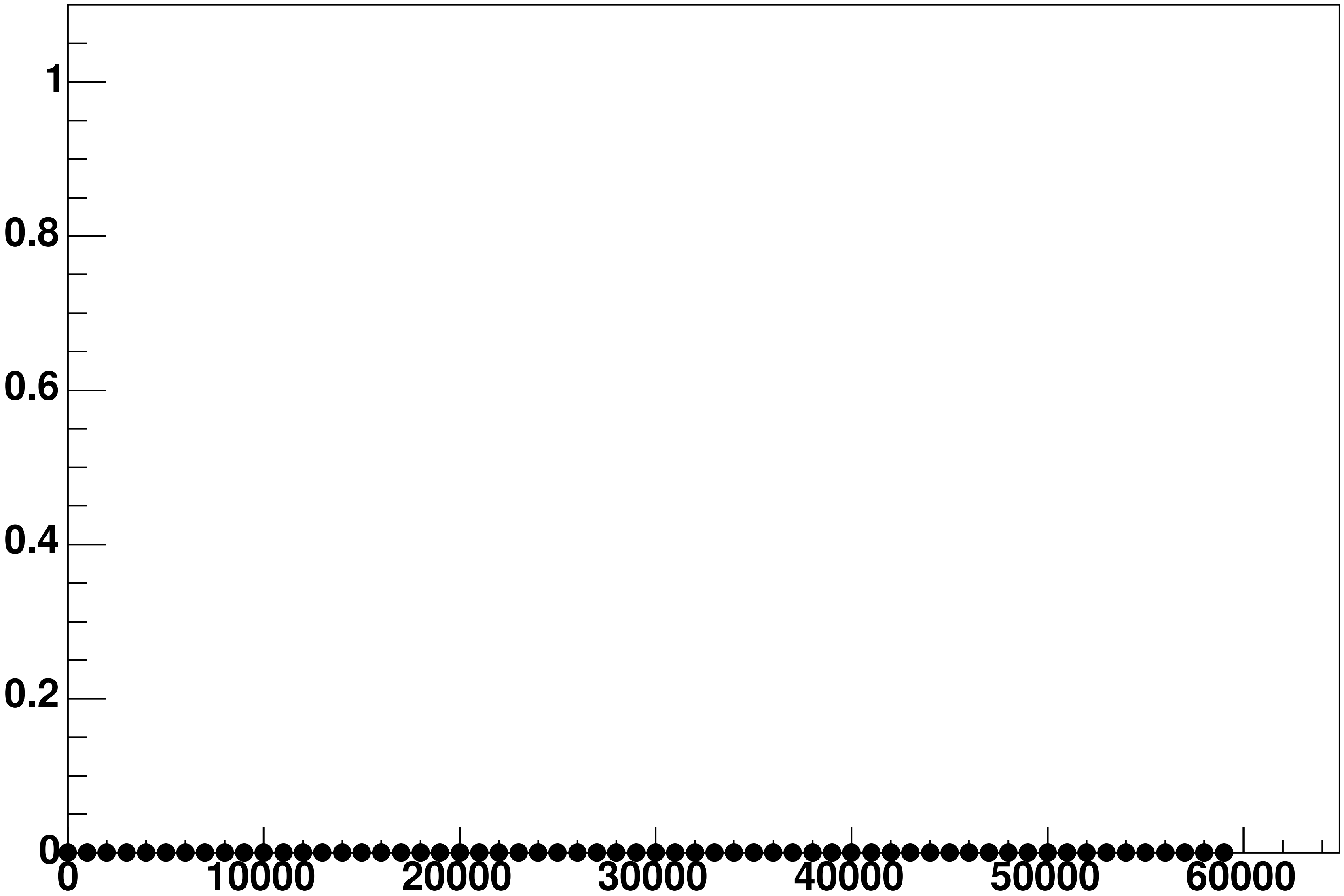

FE6, Chip 11, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

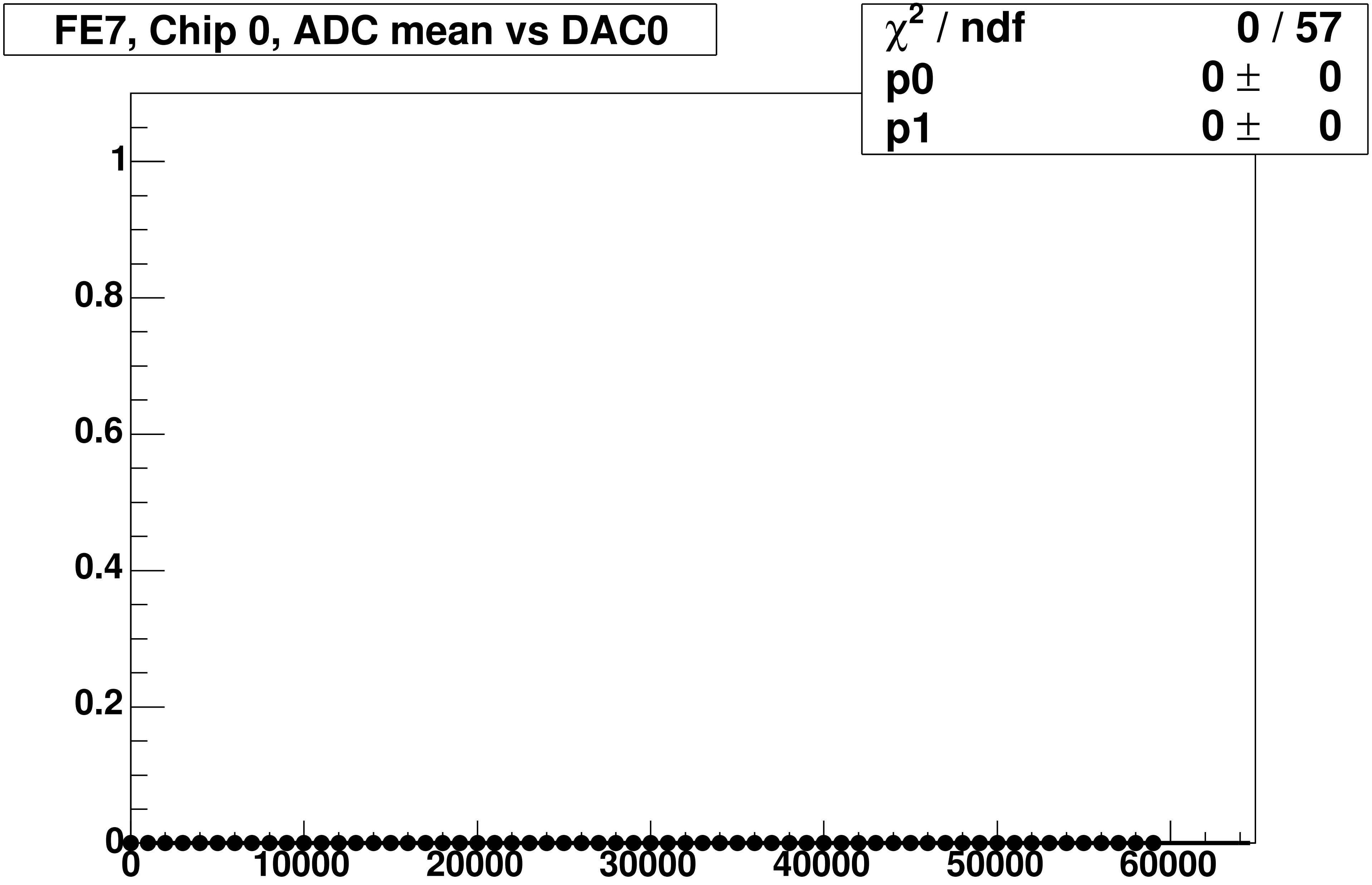

FE6, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000



FE6, Chip 11, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

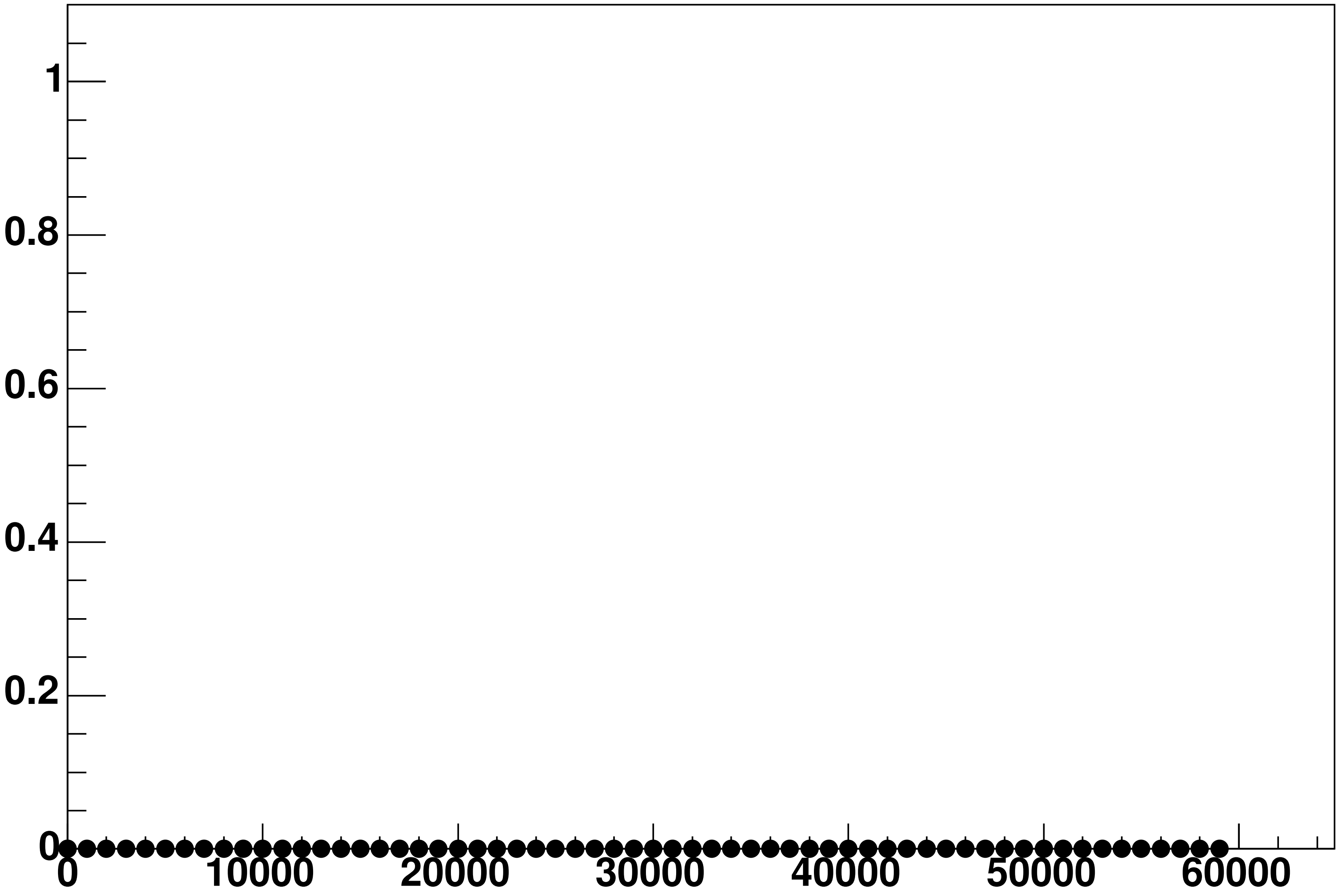
FE6, Chip 11, ADC residuals vs DAC1

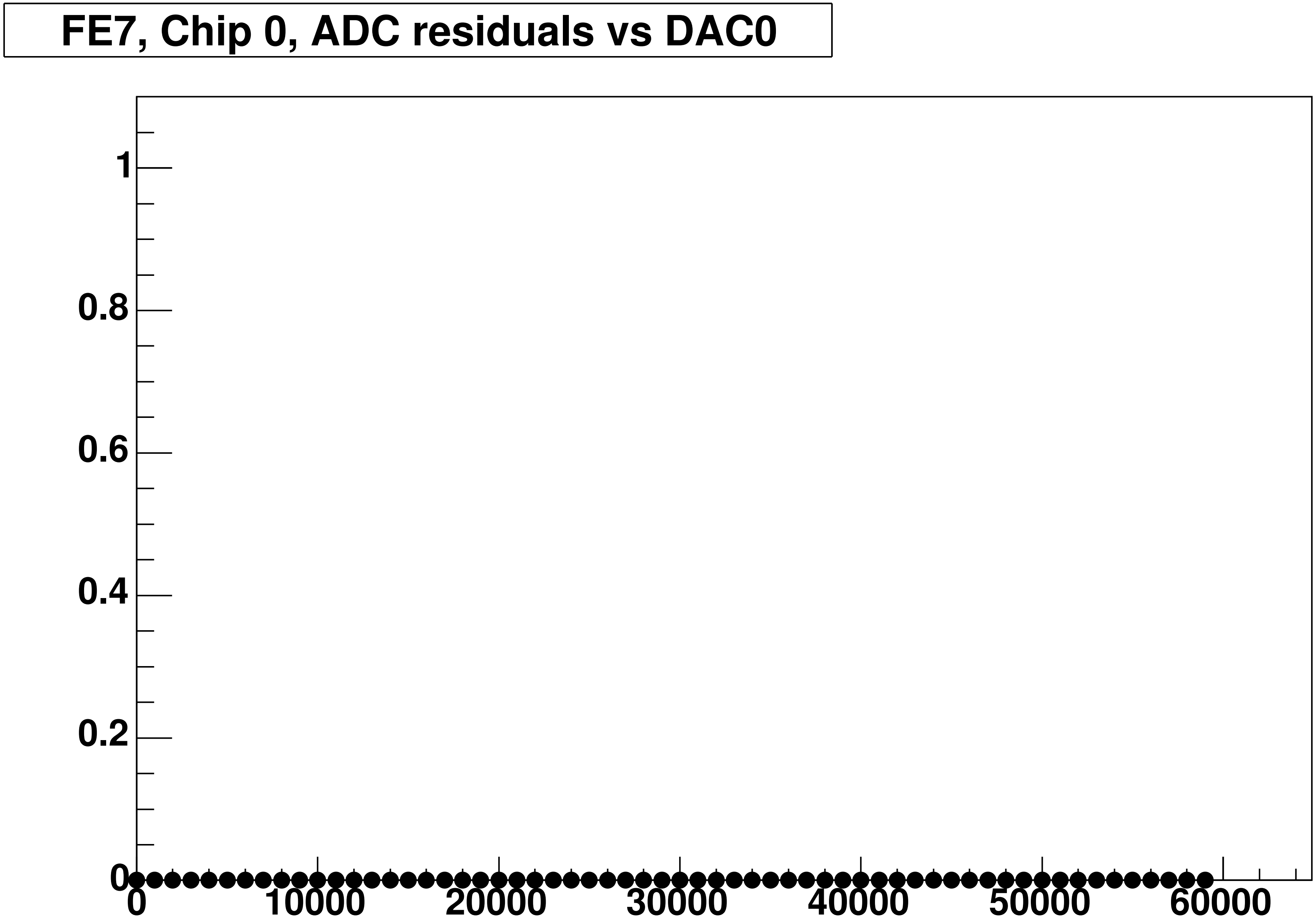


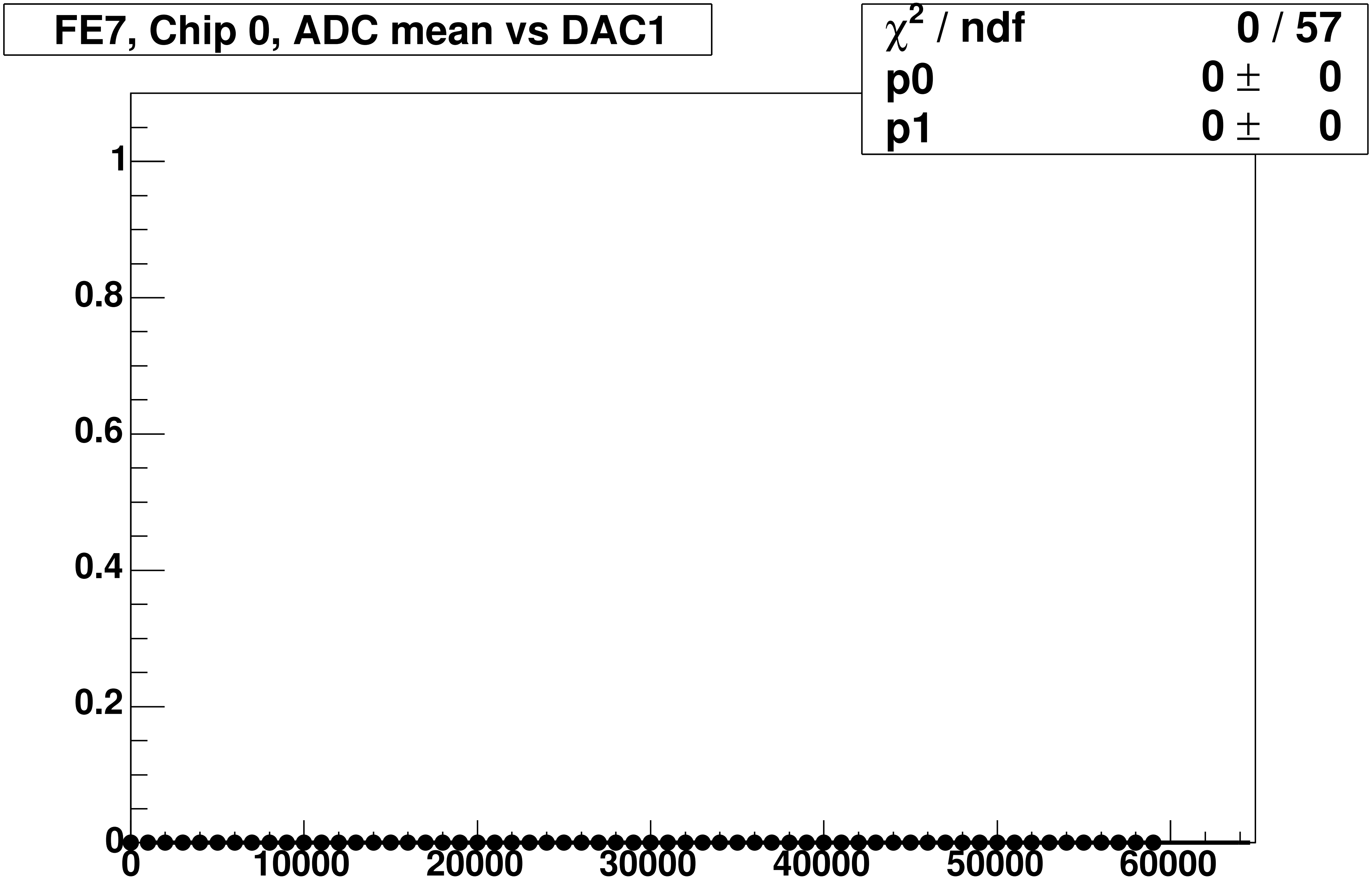


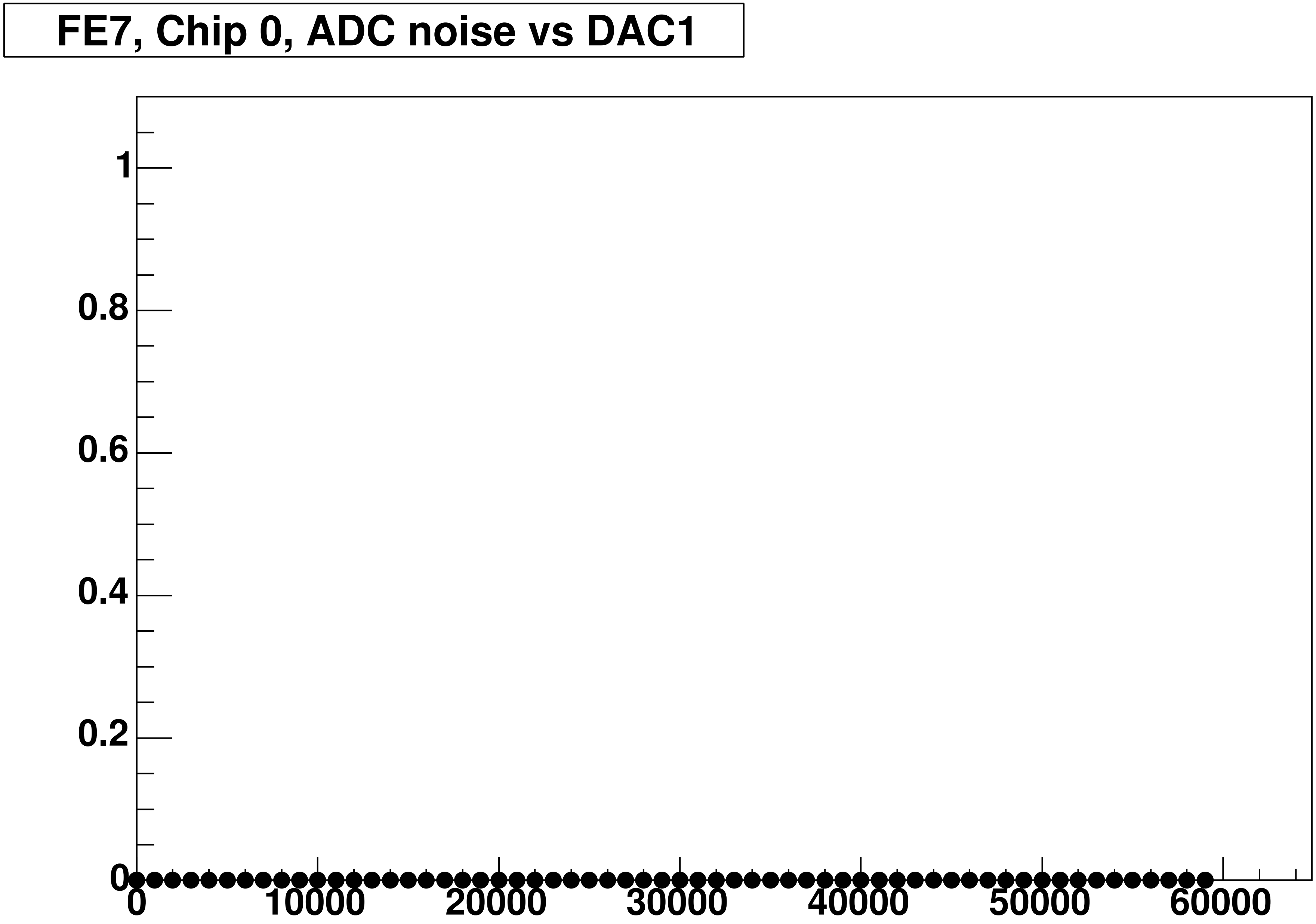
FE7, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE7, Chip 0, ADC noise vs DAC0

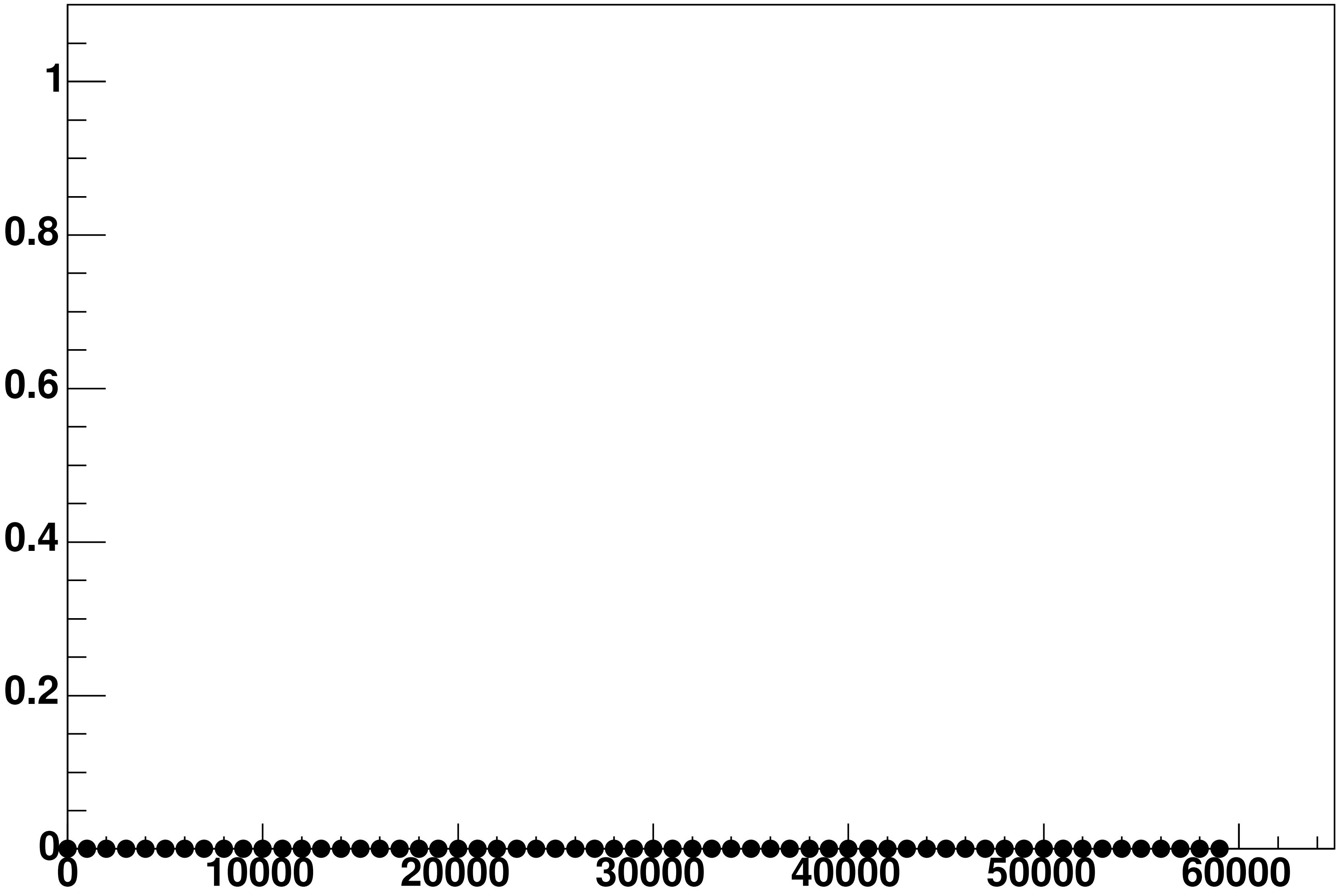


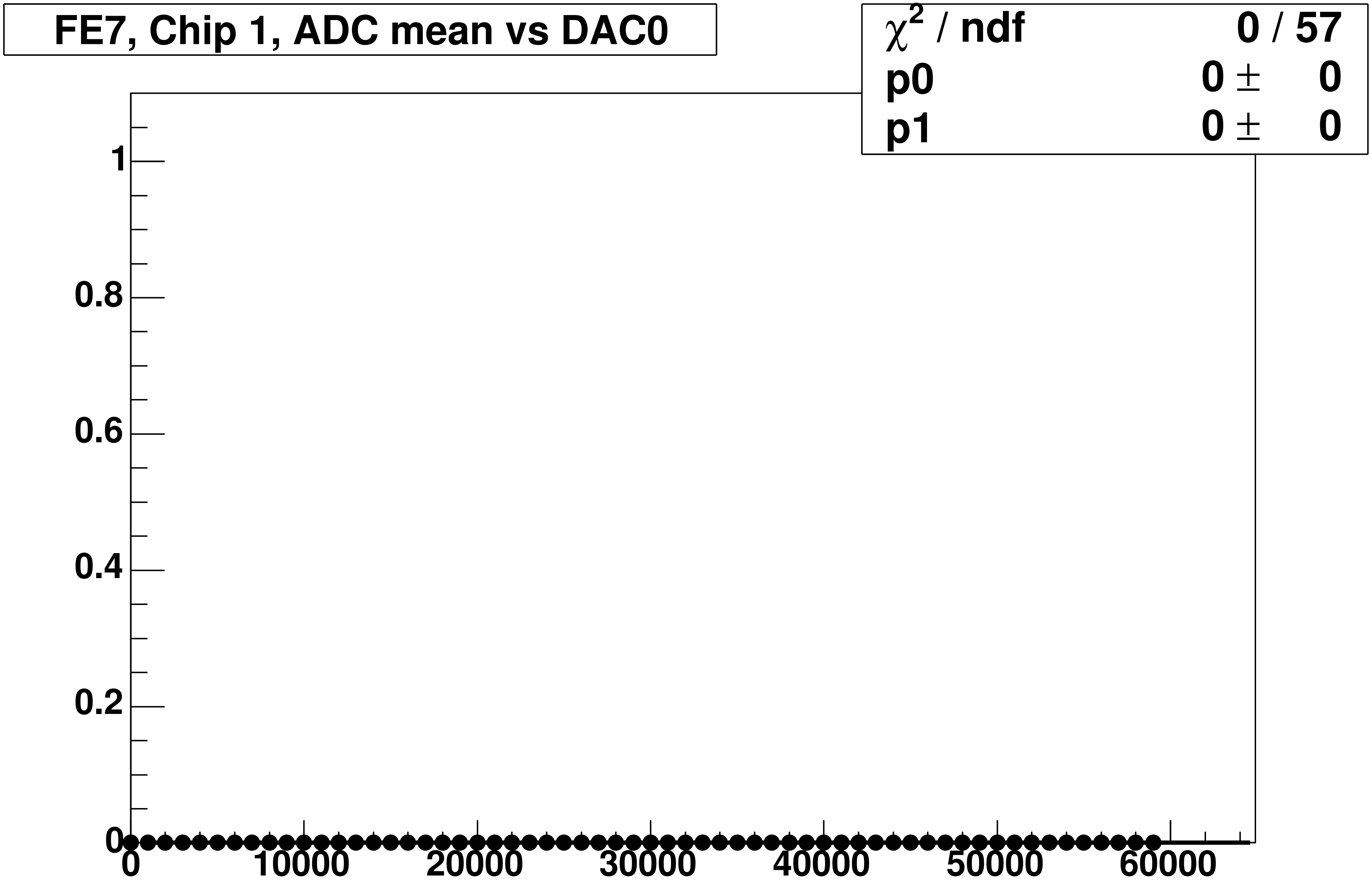

FE7, Chip 0, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 0, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

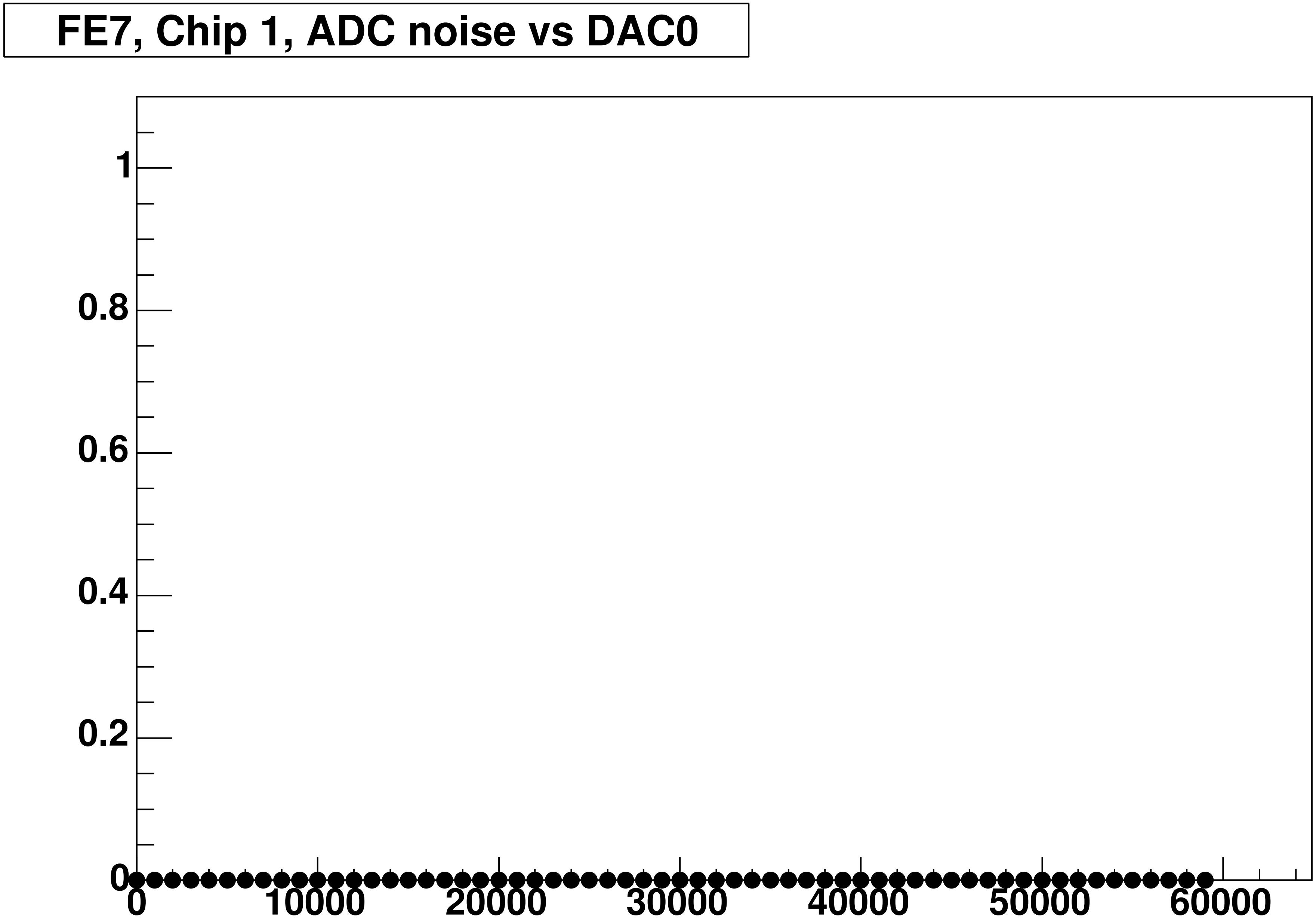

FE7, Chip 0, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE7, Chip 0, ADC residuals vs DAC1



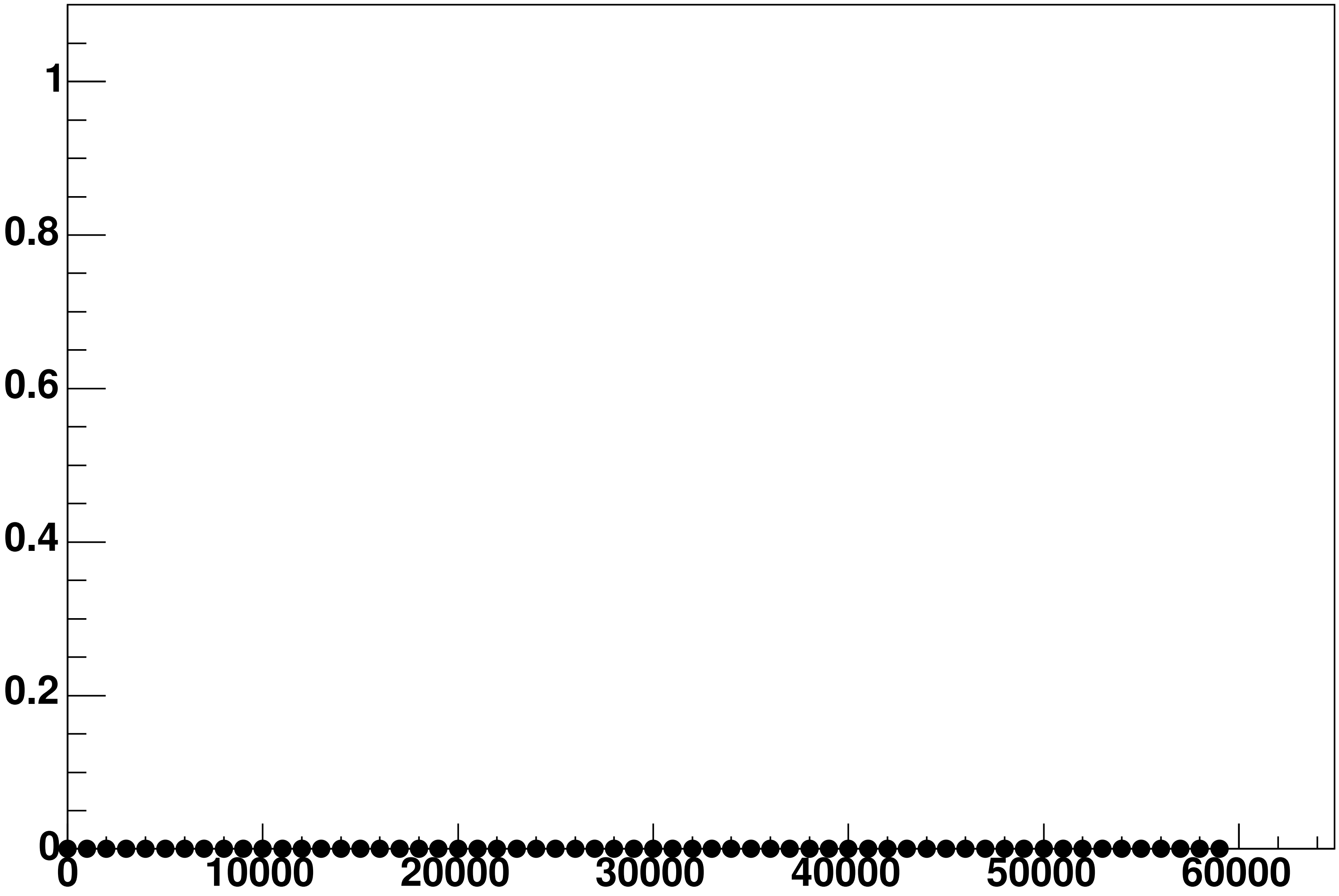


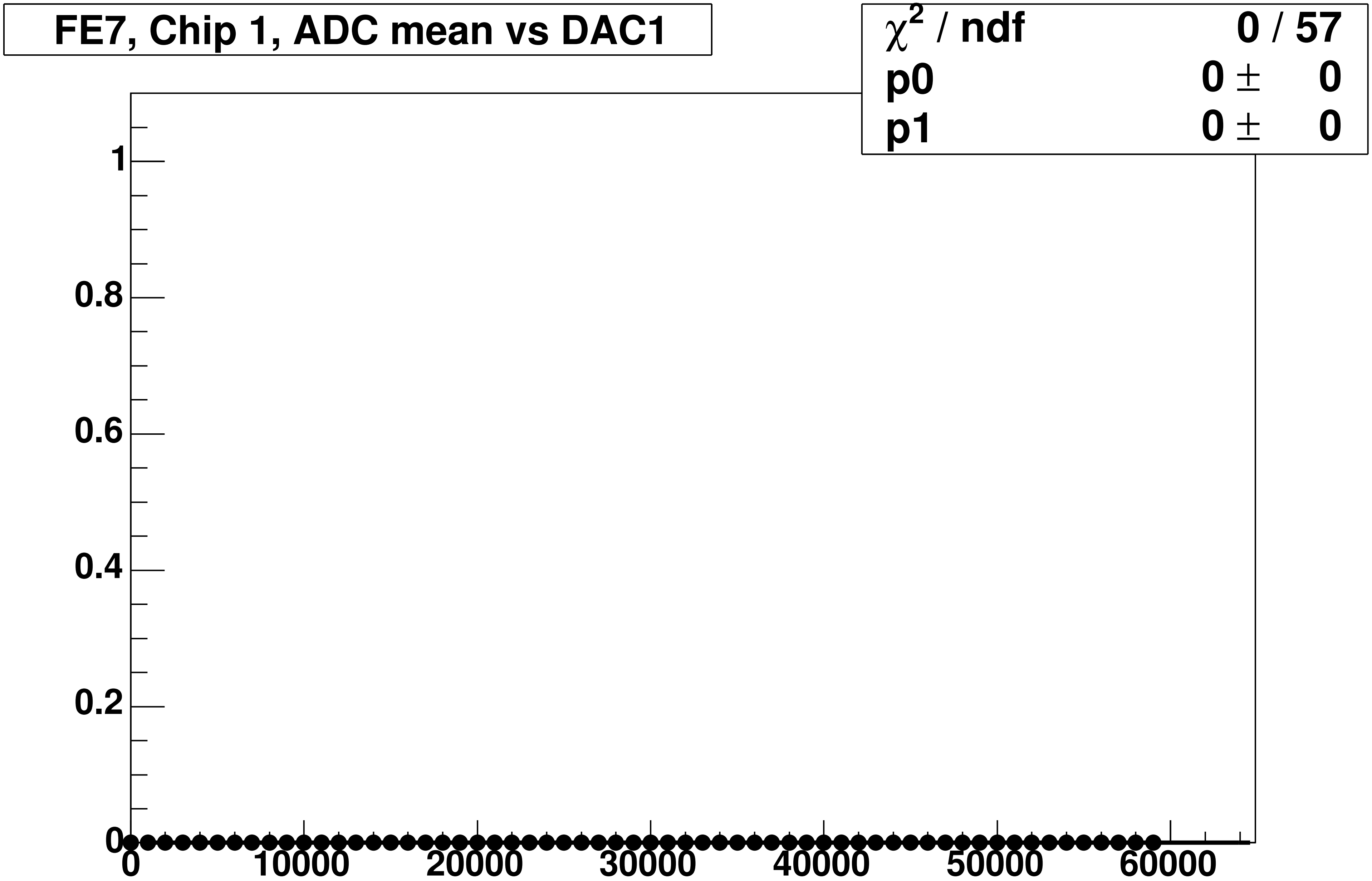
FE7, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



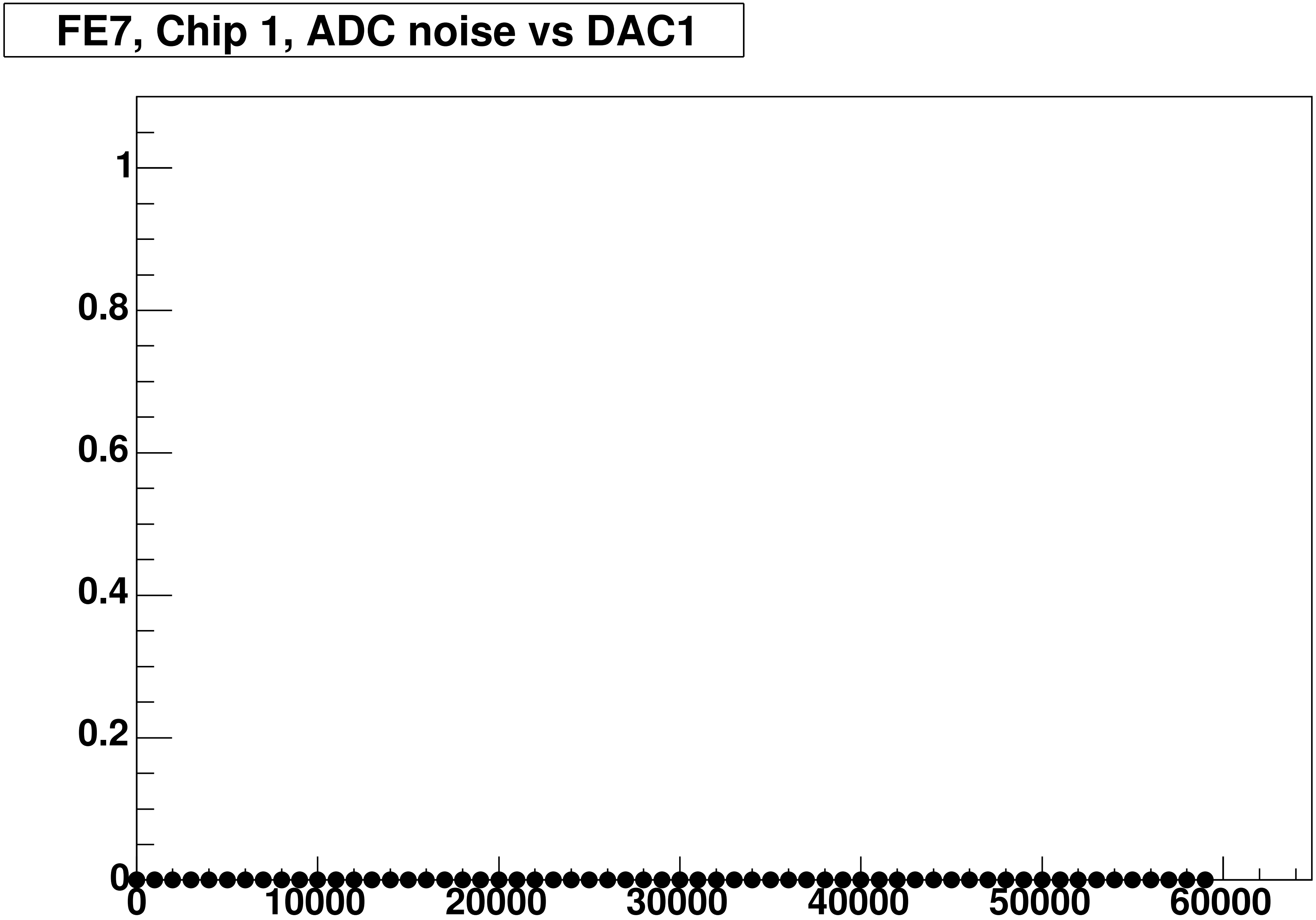
FE7, Chip 1, ADC noise vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

FE7, Chip 1, ADC residuals vs DAC0

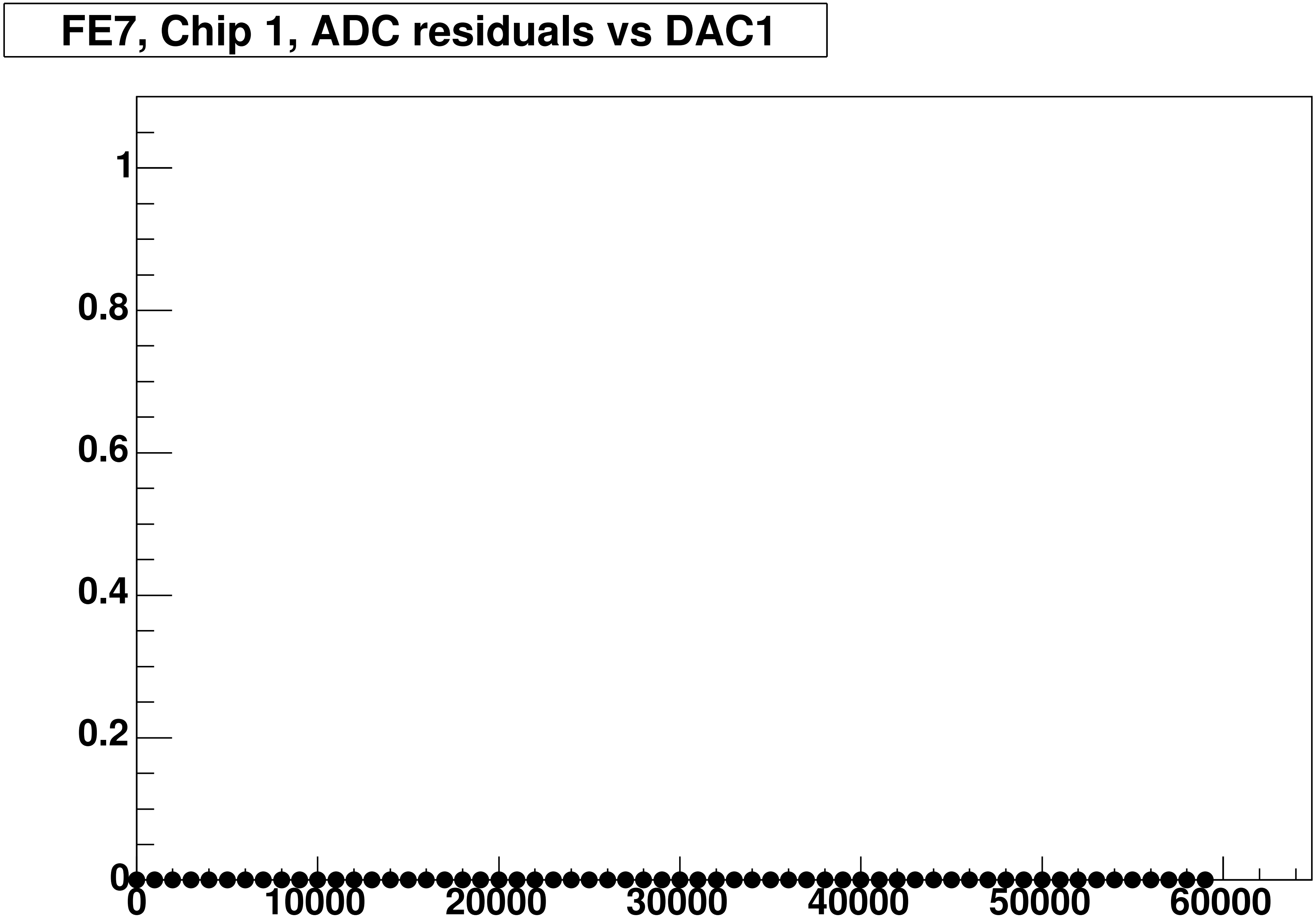


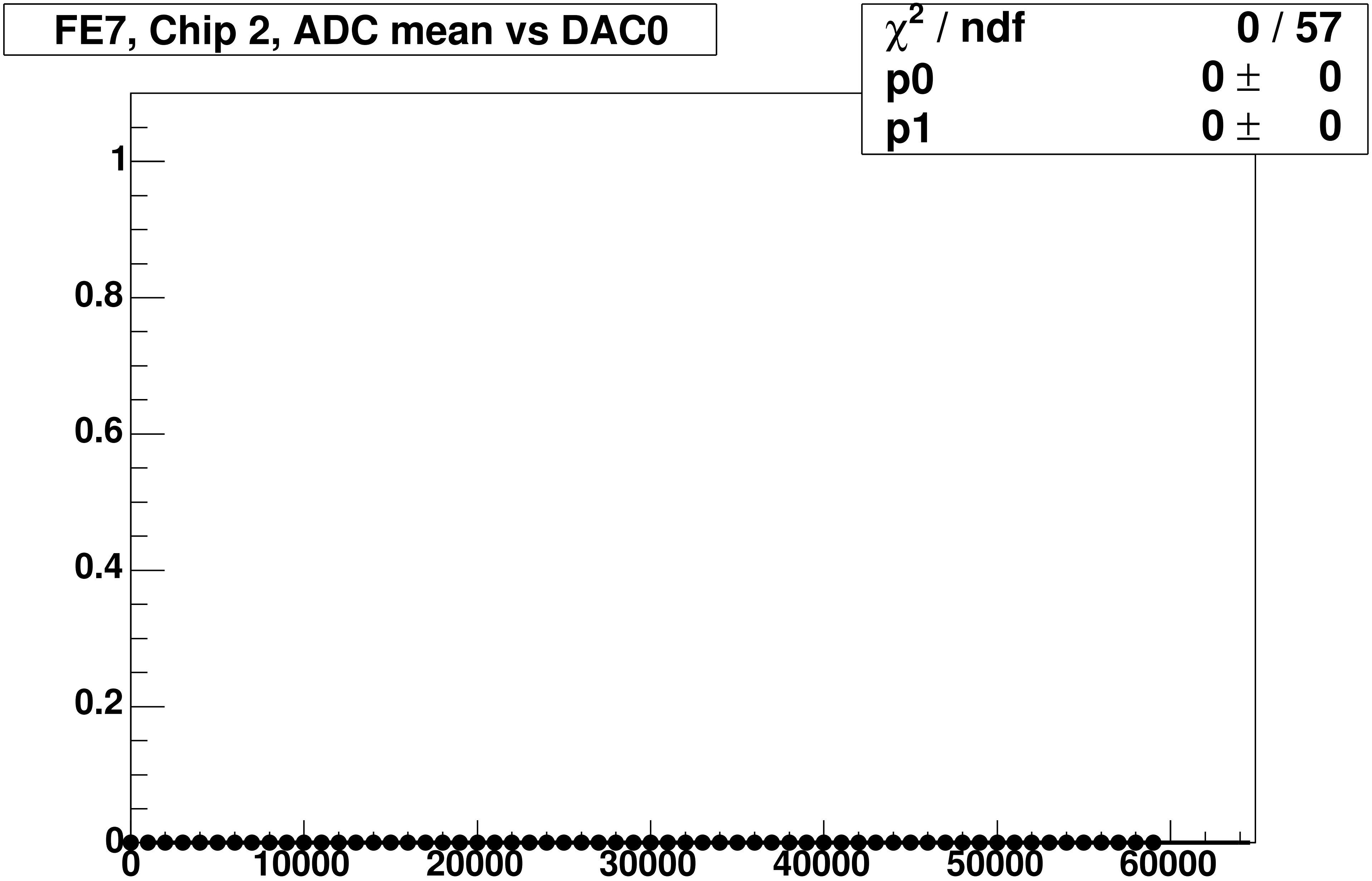


FE7, Chip 1, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

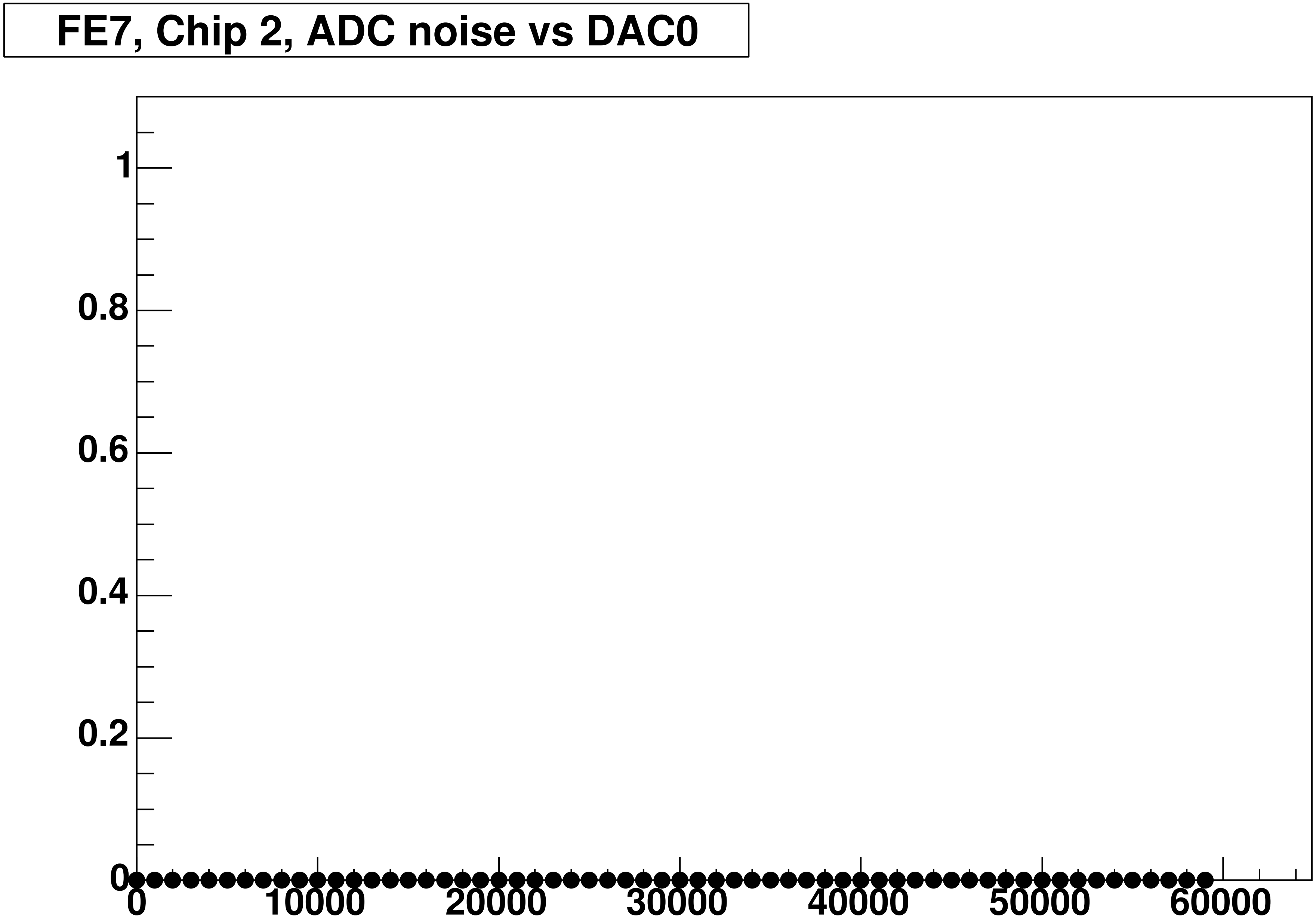


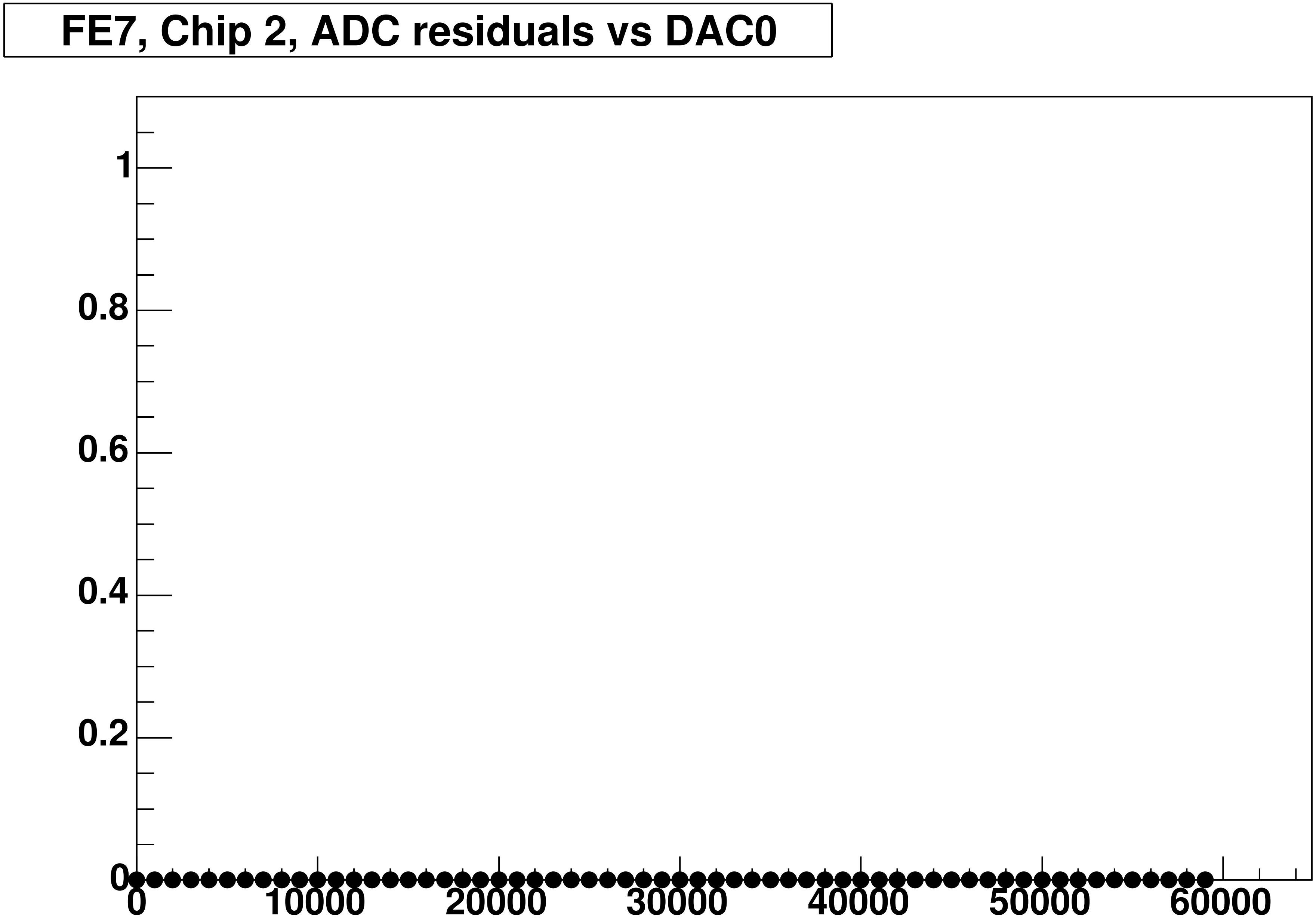
FE7, Chip 1, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

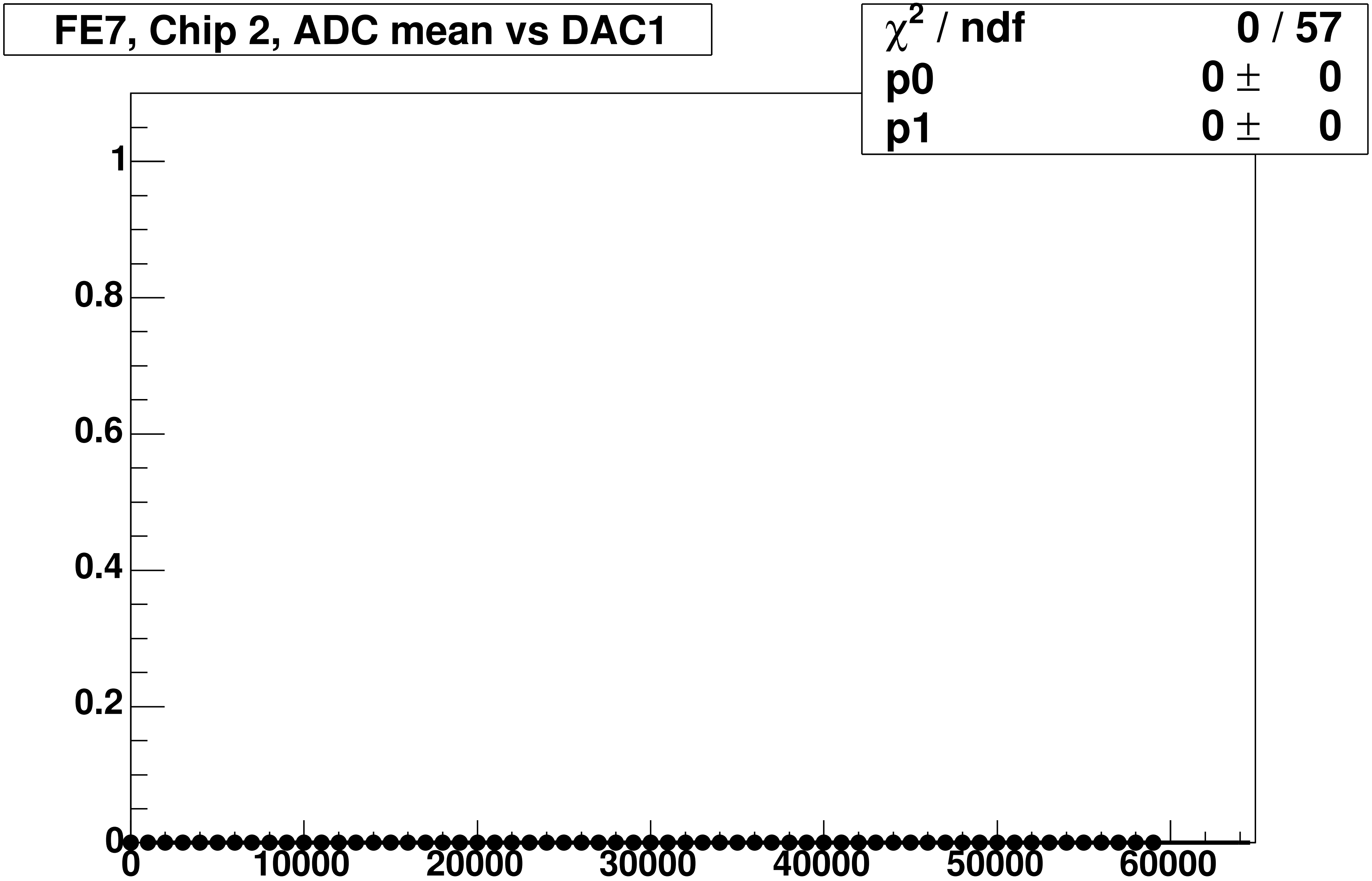

FE7, Chip 1, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

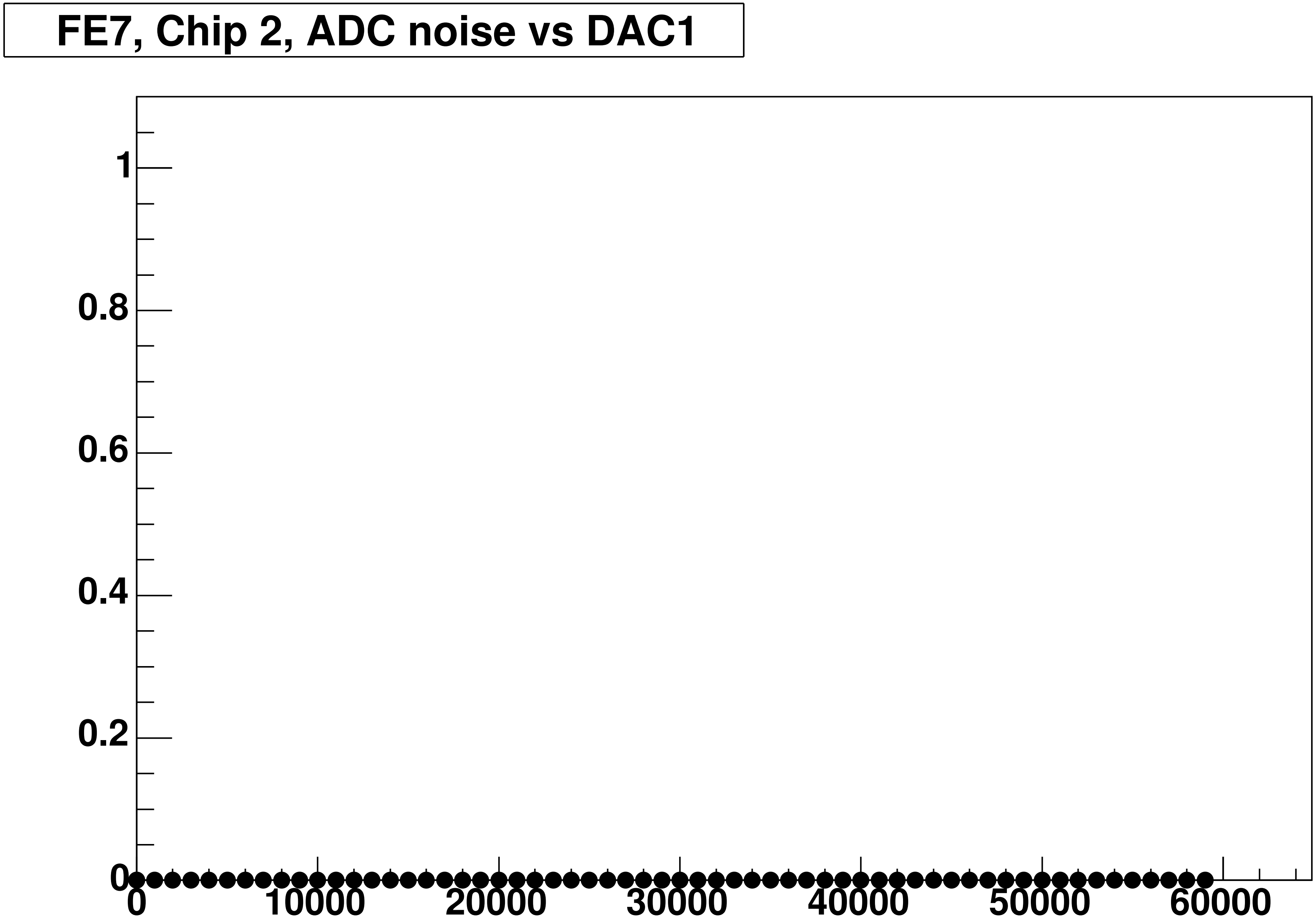


FE7, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 2, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

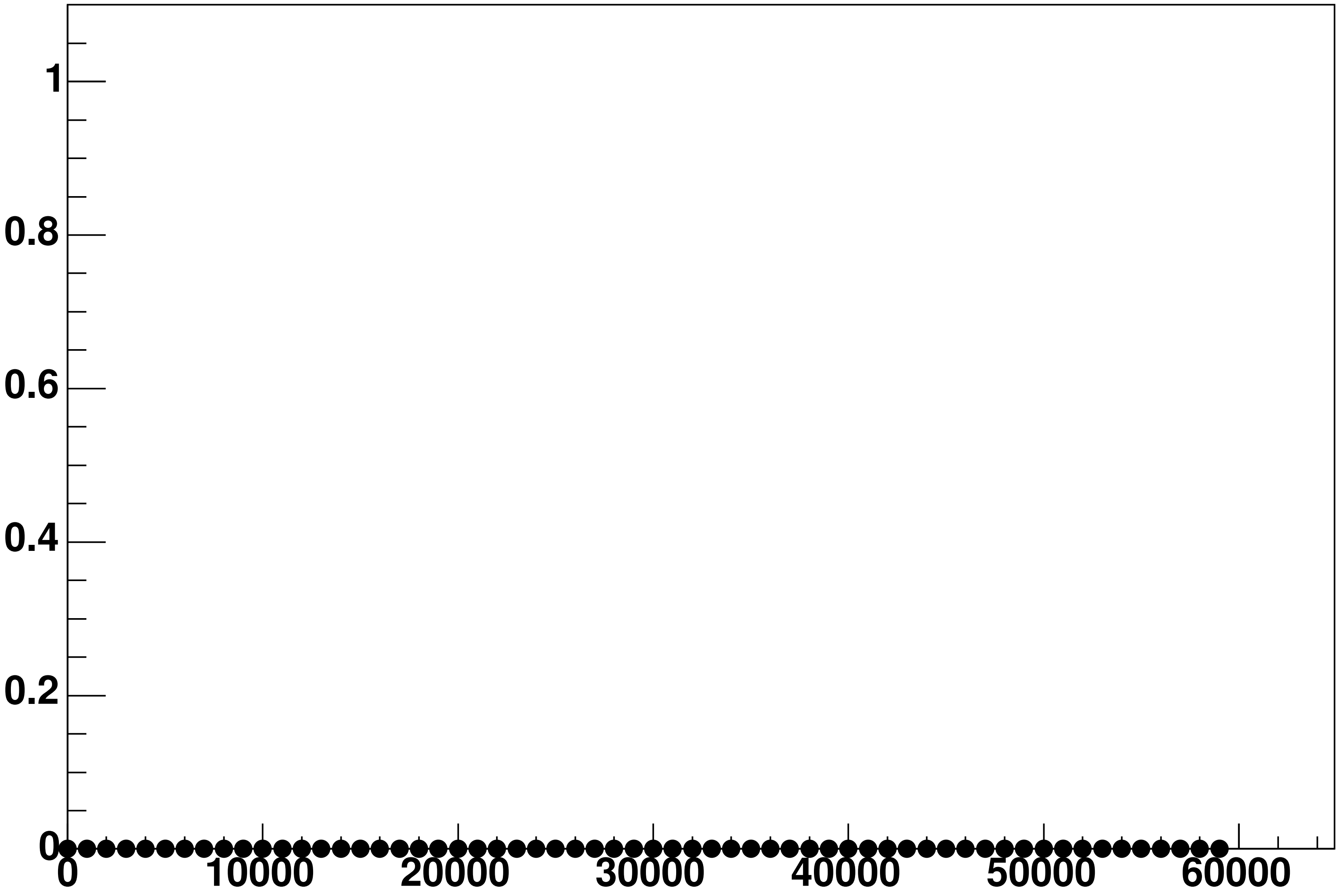

FE7, Chip 2, ADC residuals vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

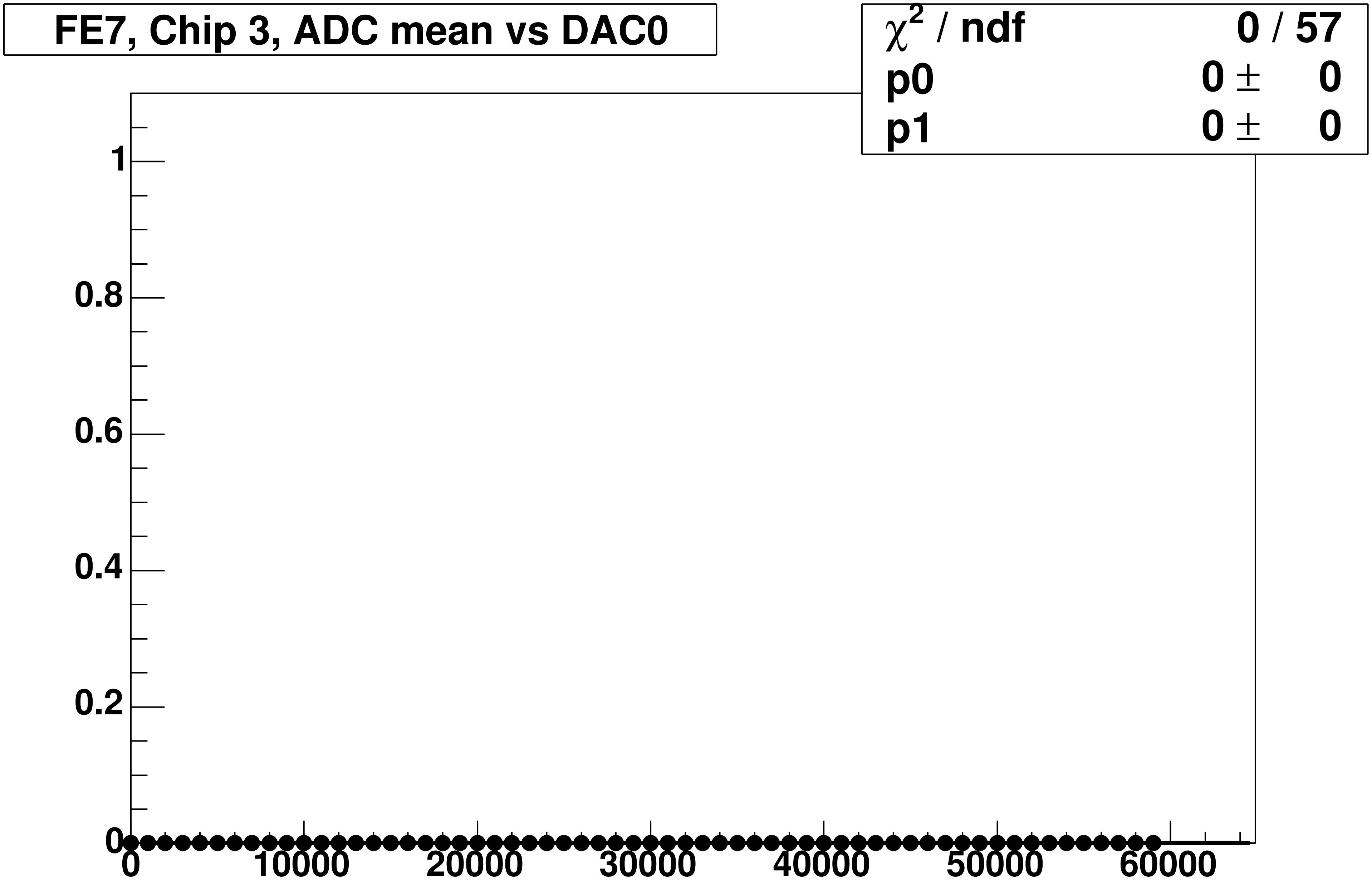

FE7, Chip 2, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

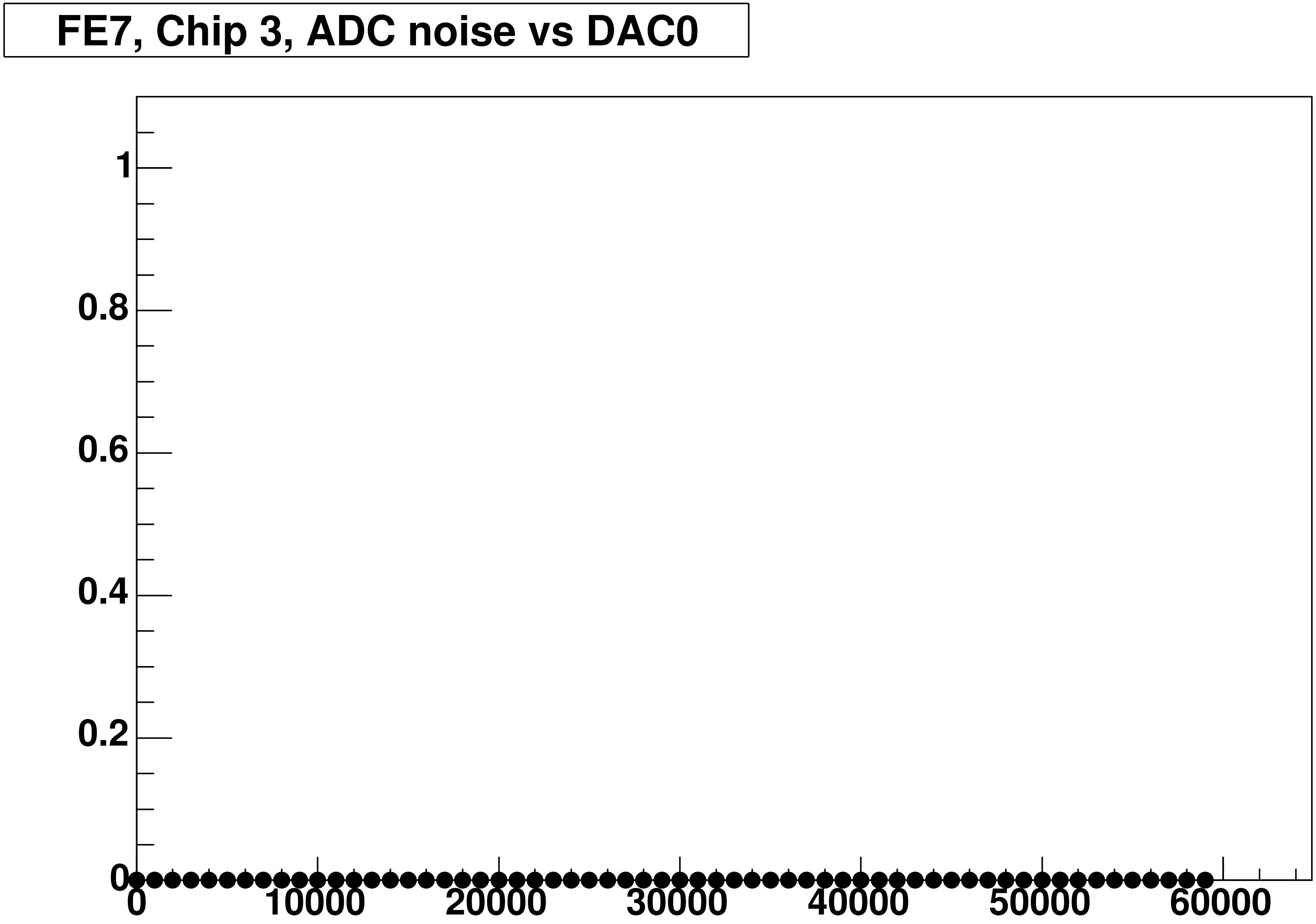


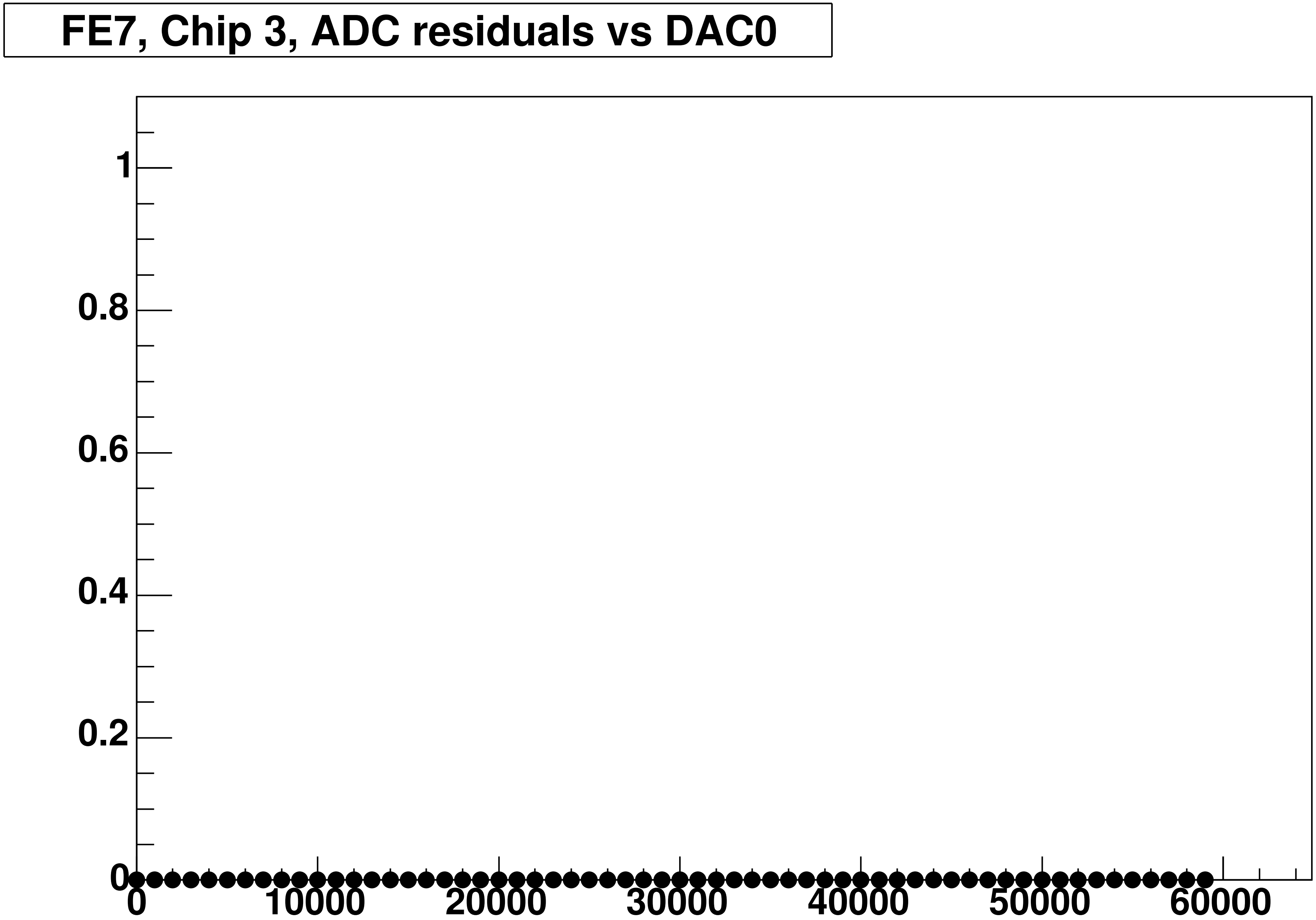
FE7, Chip 2, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

FE7, Chip 2, ADC residuals vs DAC1

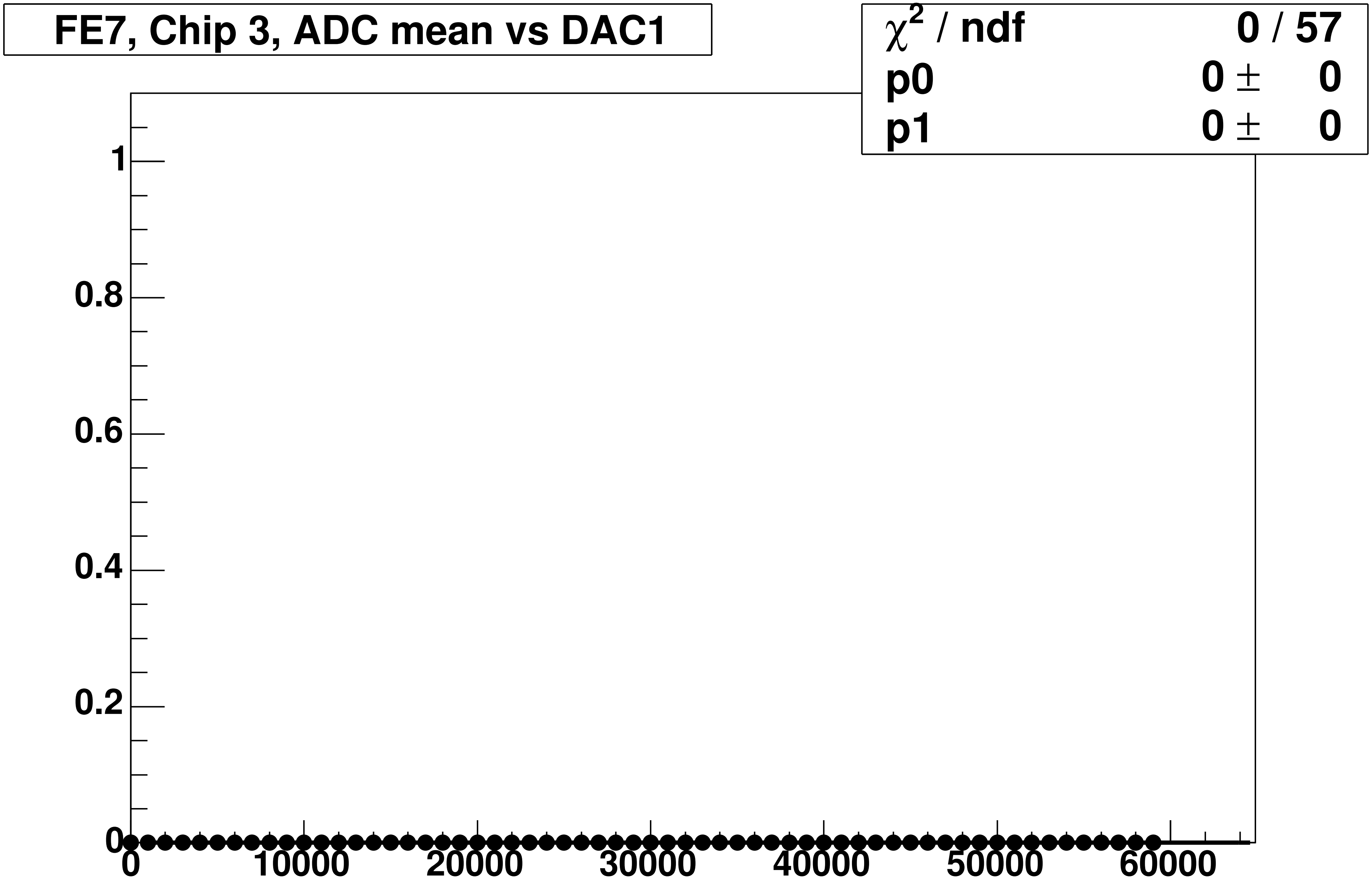


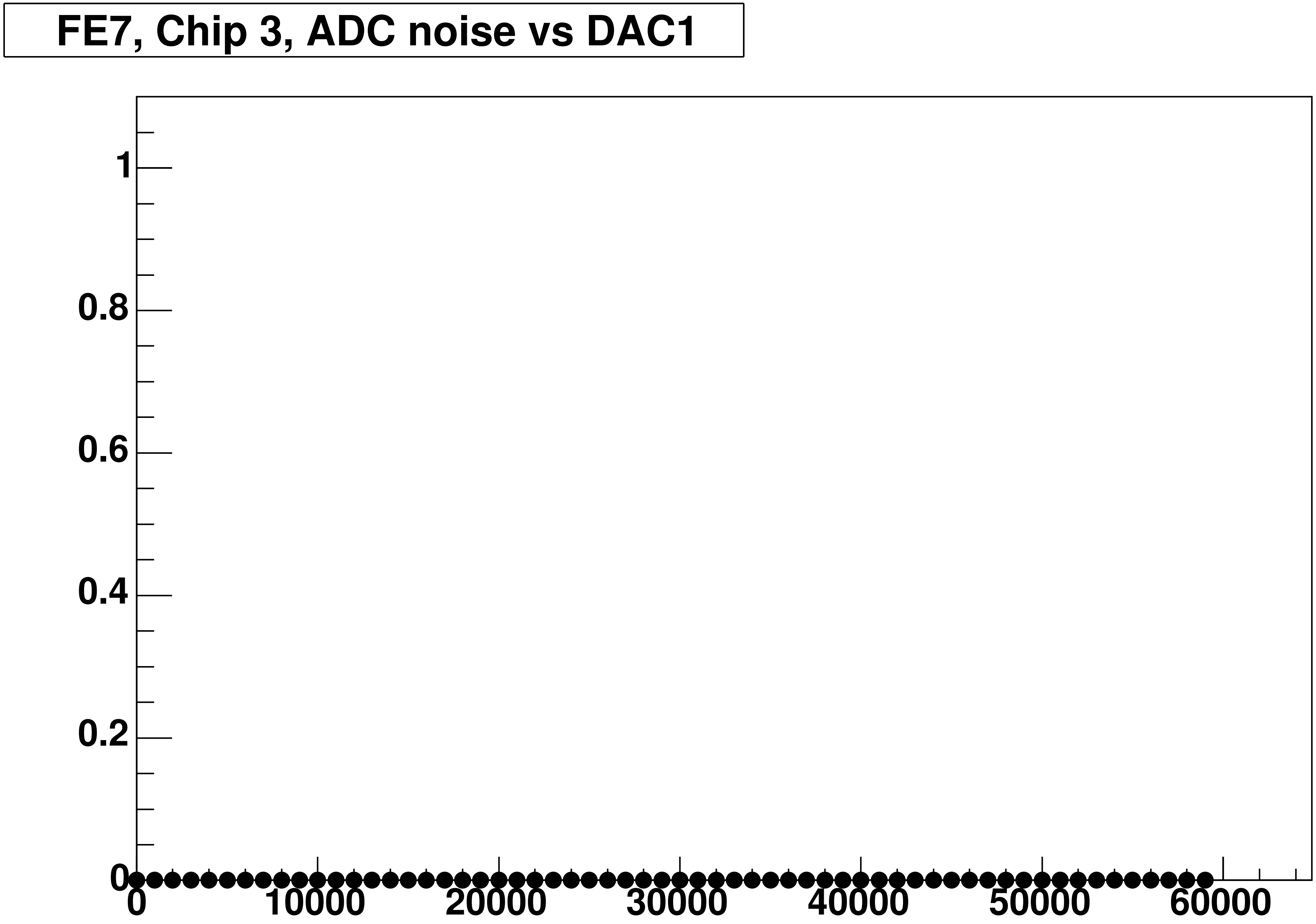

FE7, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000


FE7, Chip 3, ADC noise vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

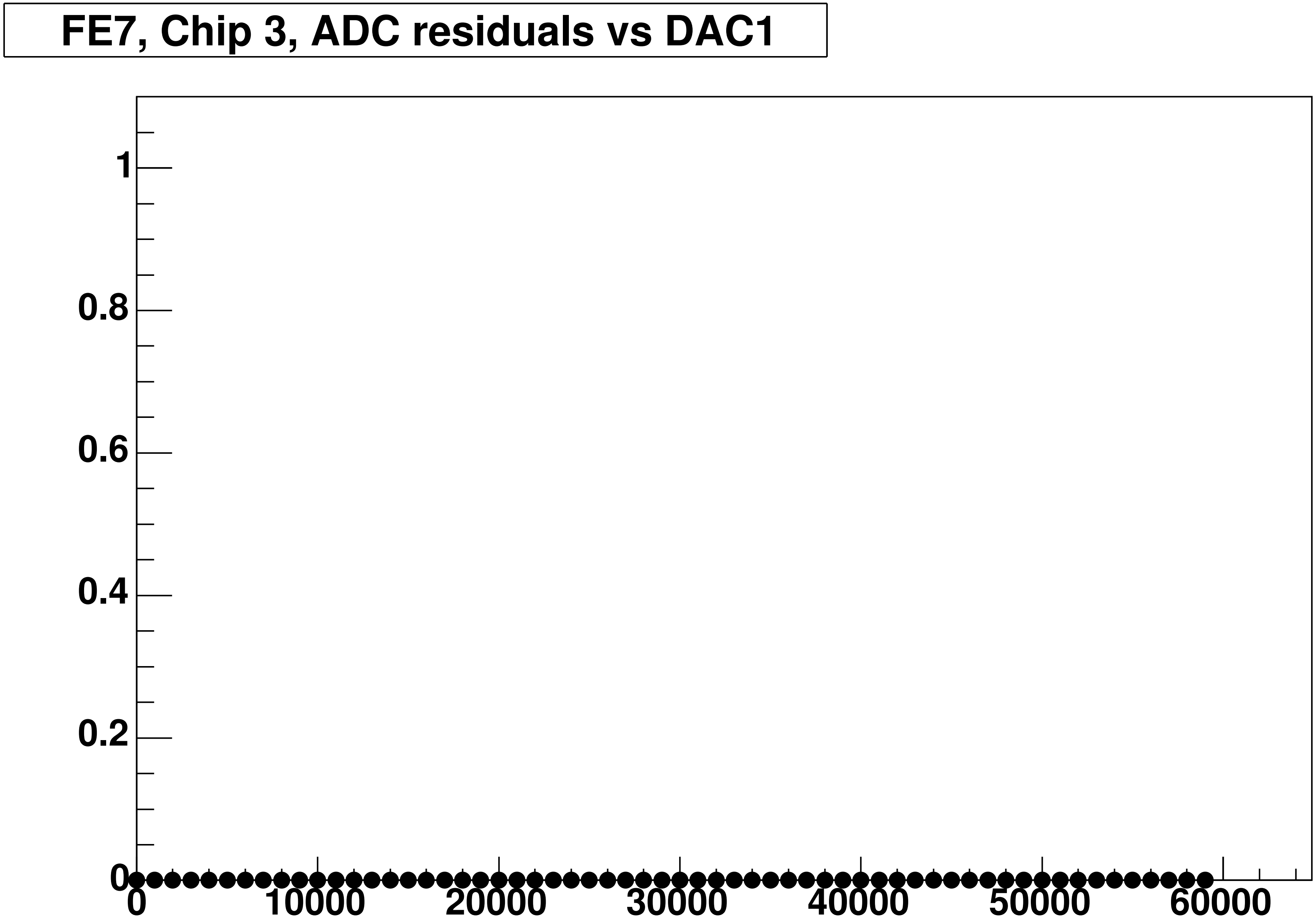


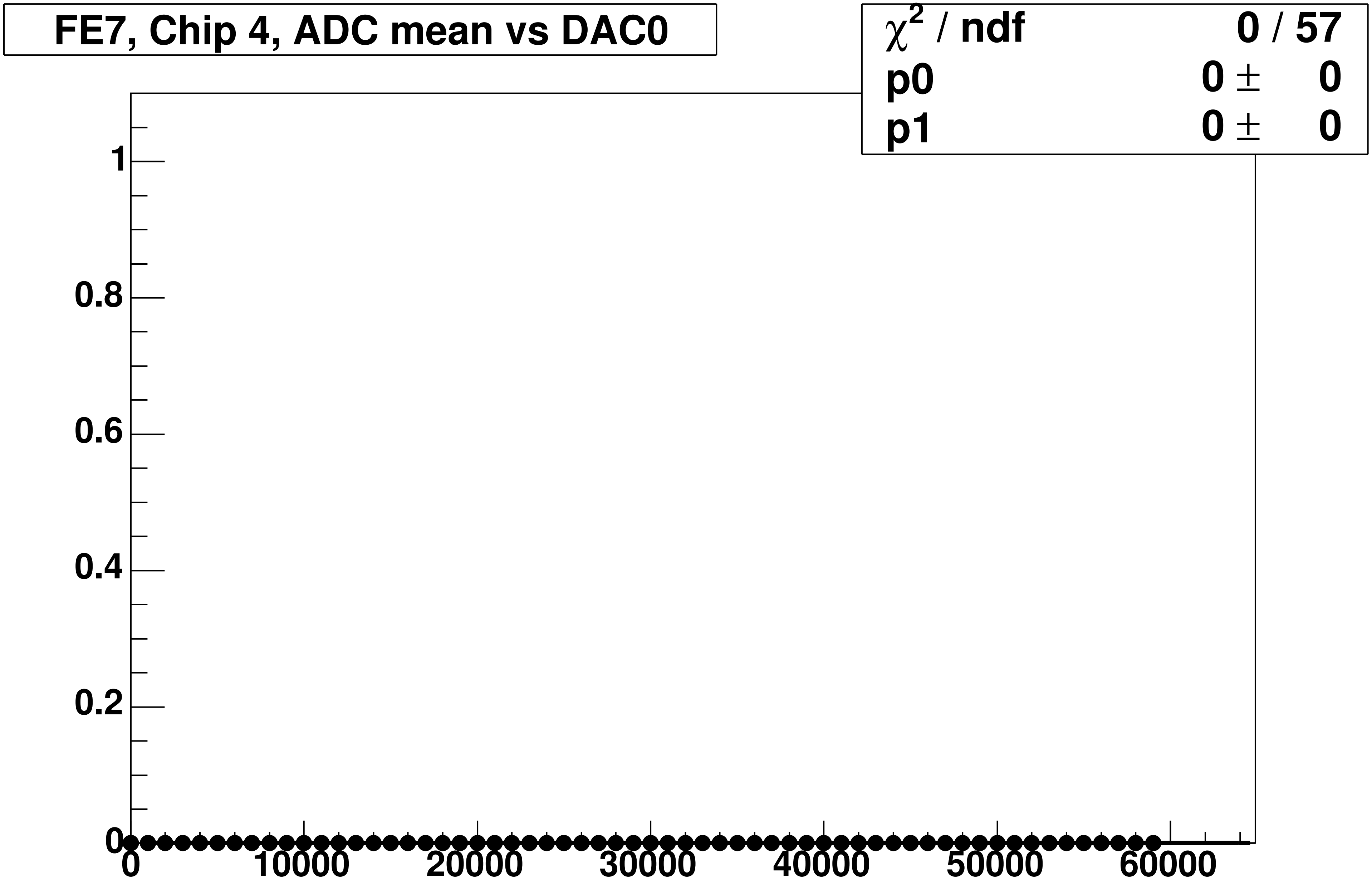
FE7, Chip 3, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

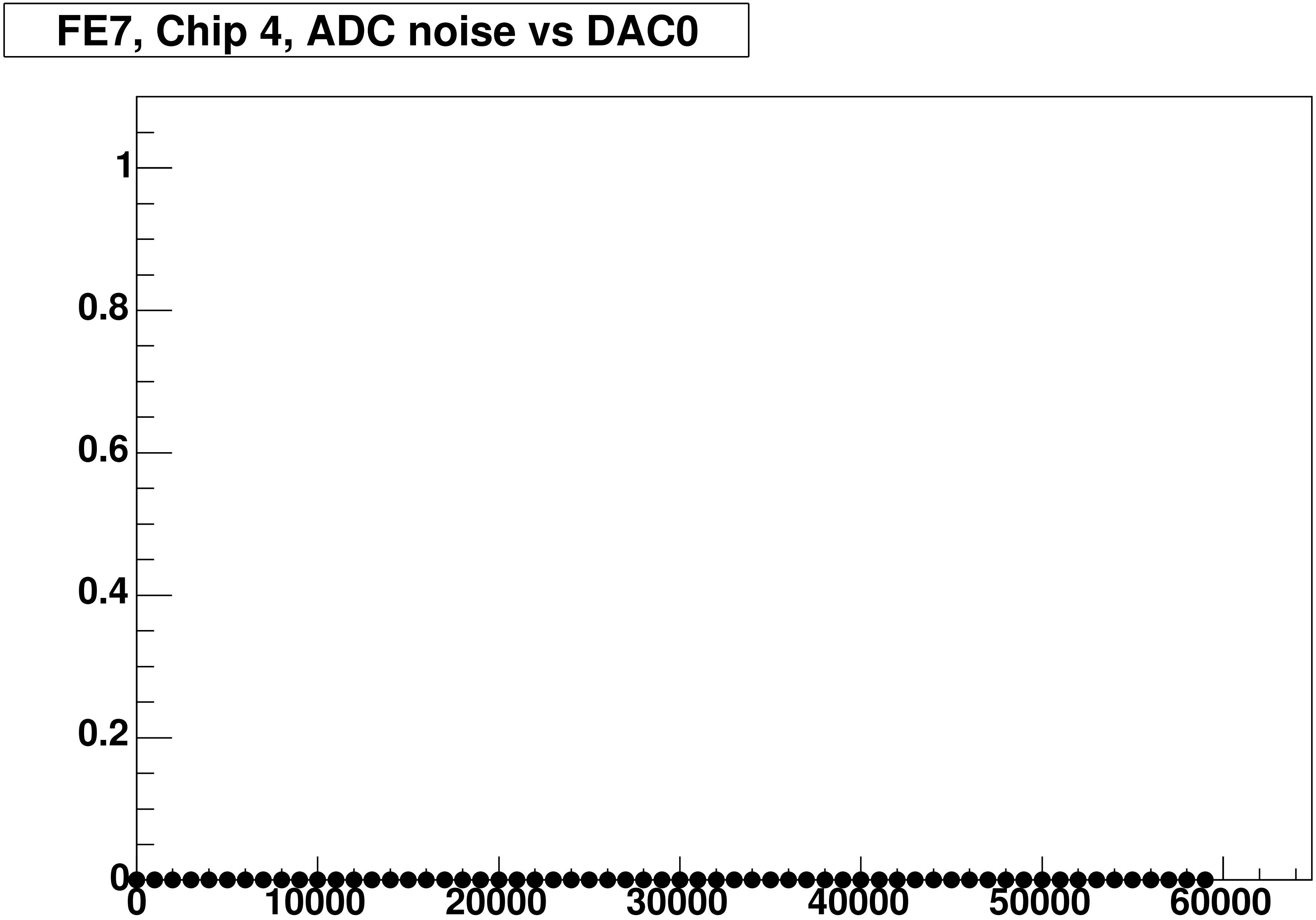

FE7, Chip 3, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



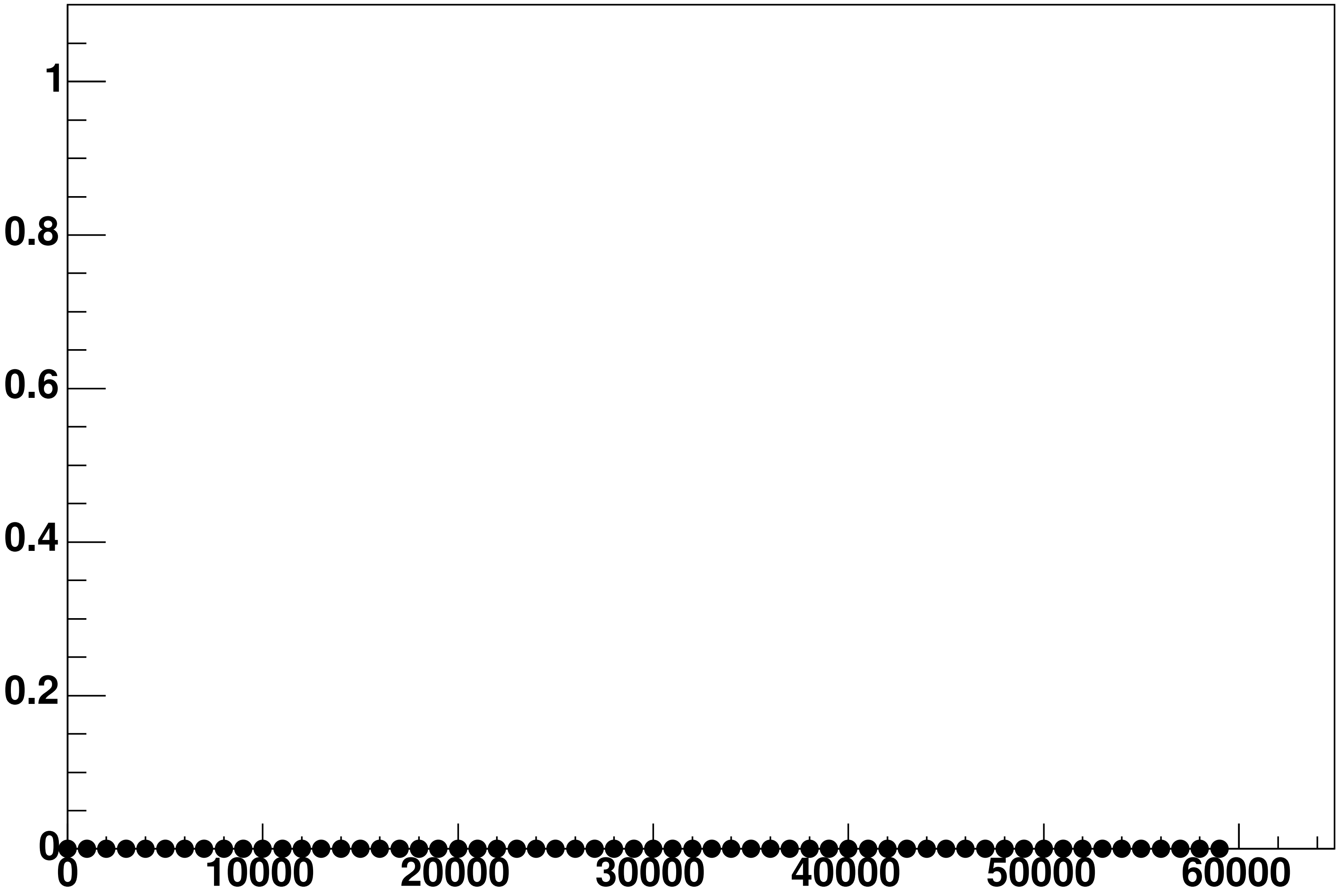
FE7, Chip 3, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

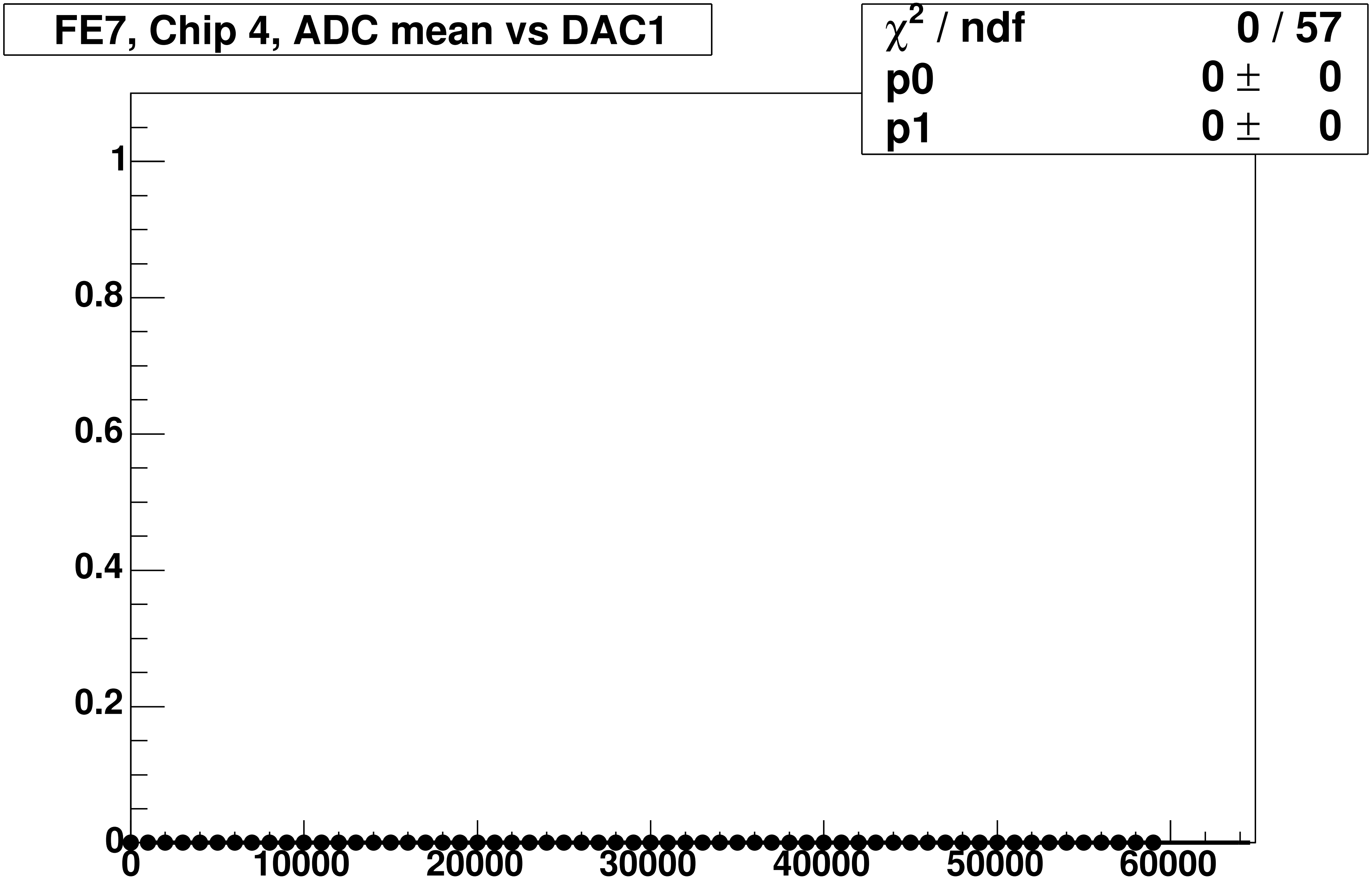

FE7, Chip 3, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000


FE7, Chip 4, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

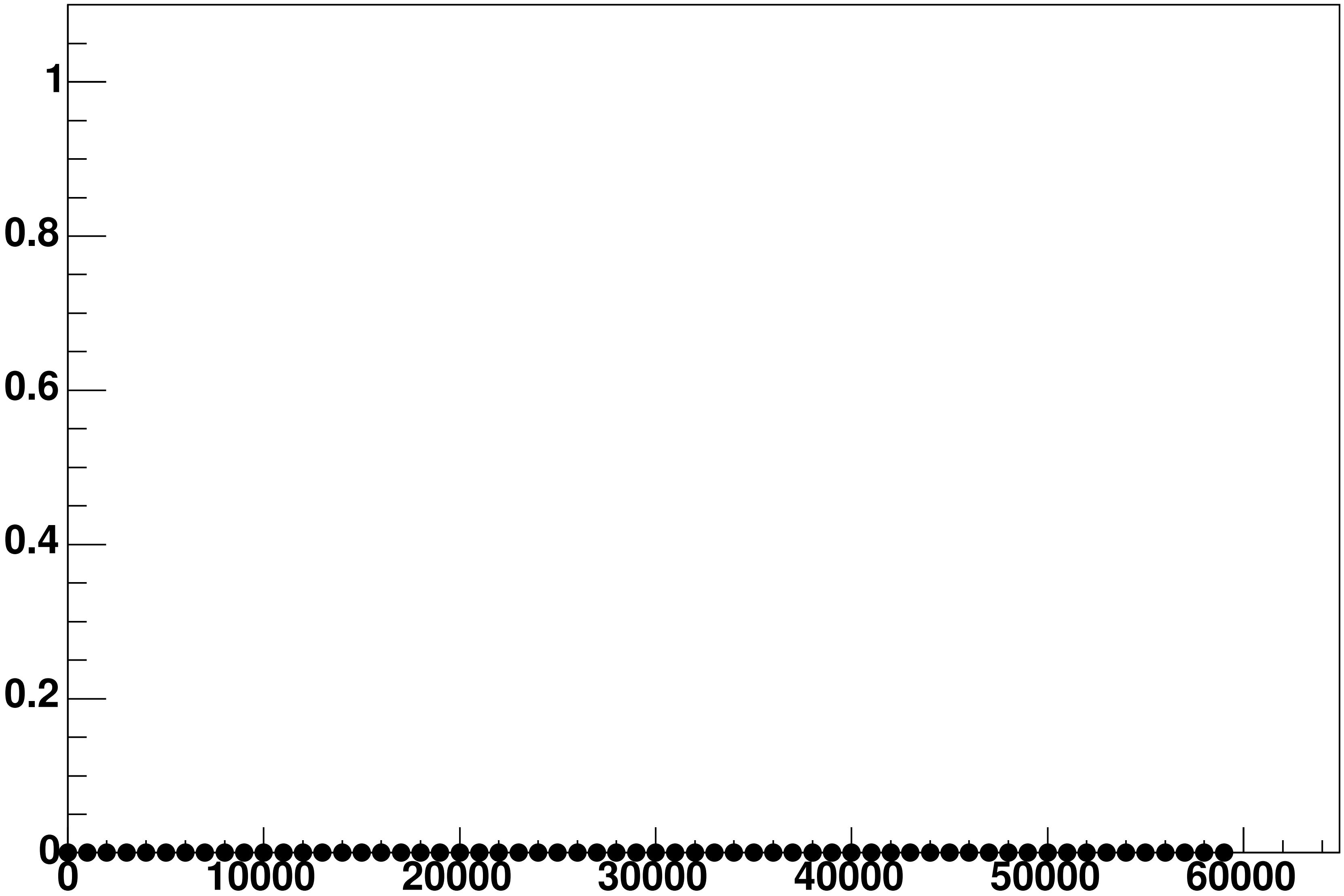
FE7, Chip 4, ADC residuals vs DAC0

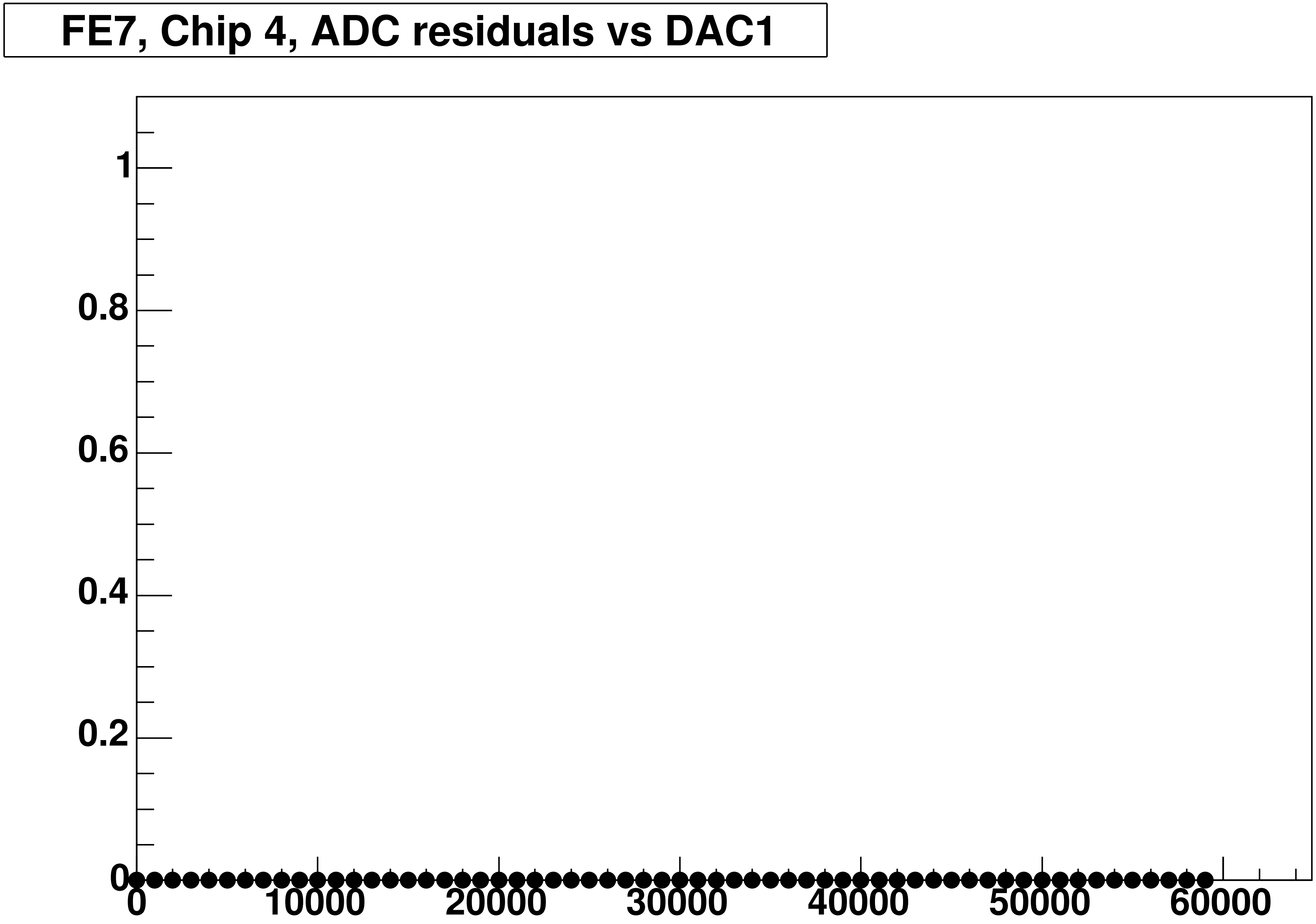


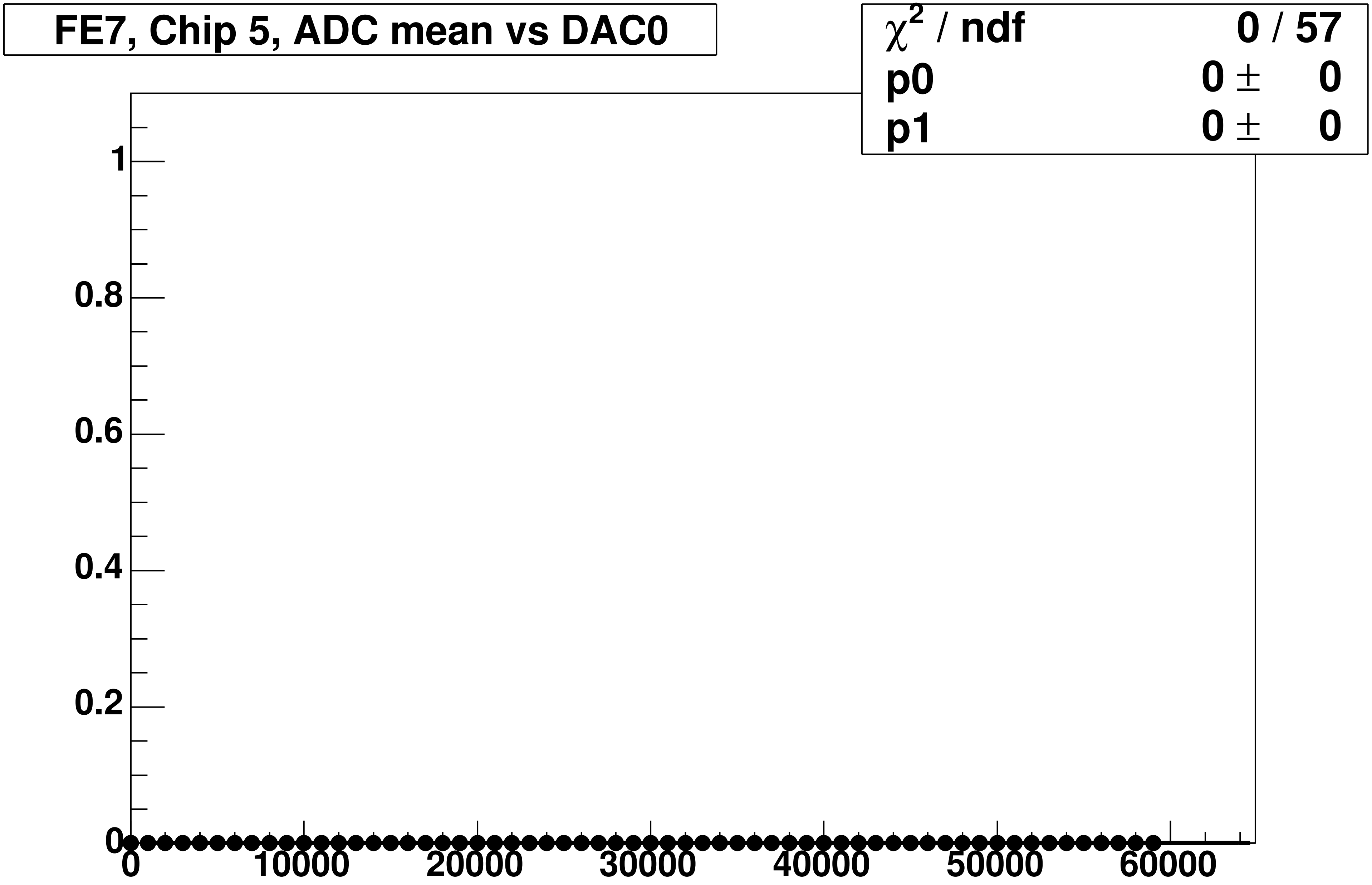


FE7, Chip 4, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

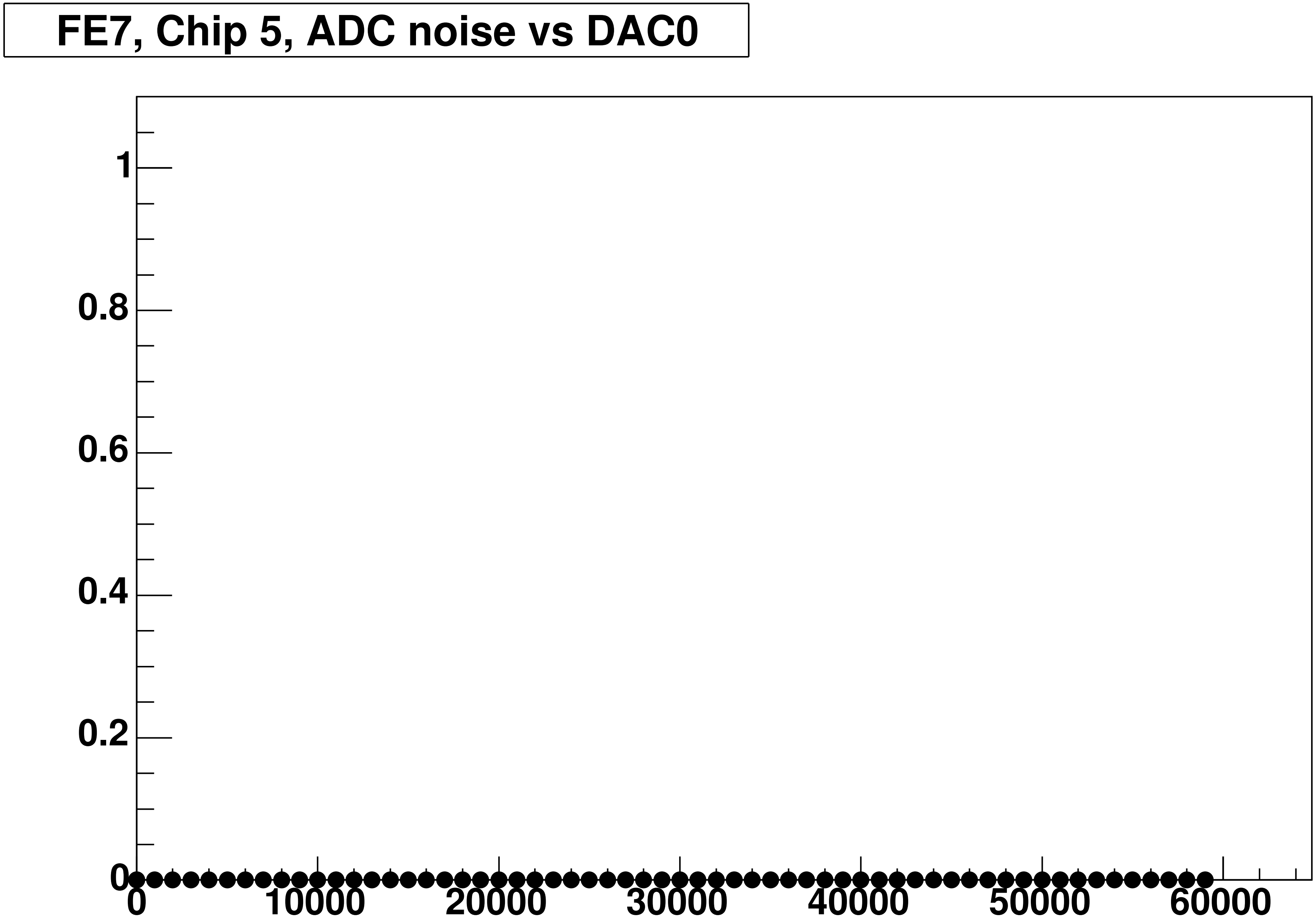
FE7, Chip 4, ADC noise vs DAC1



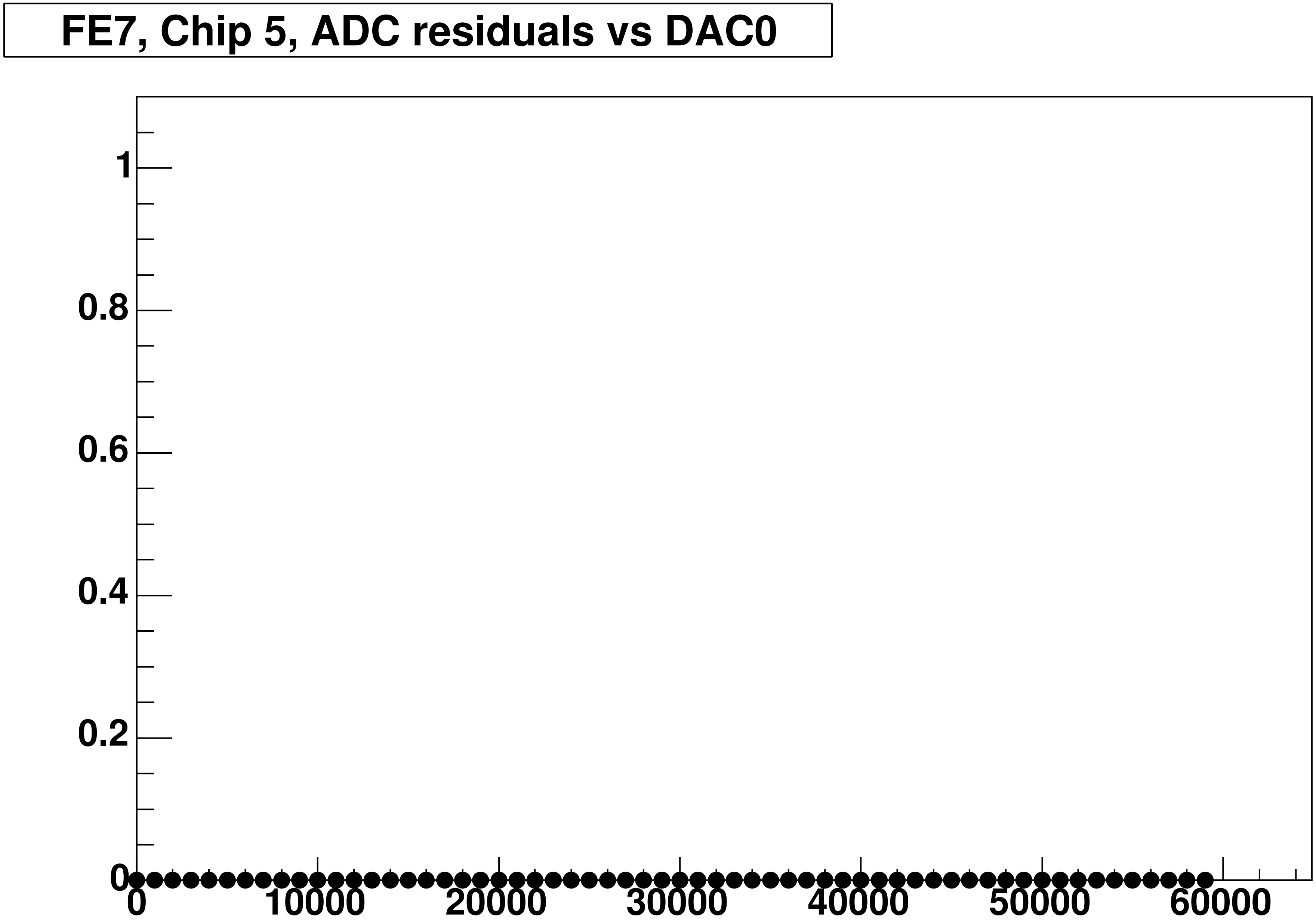

FE7, Chip 4, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

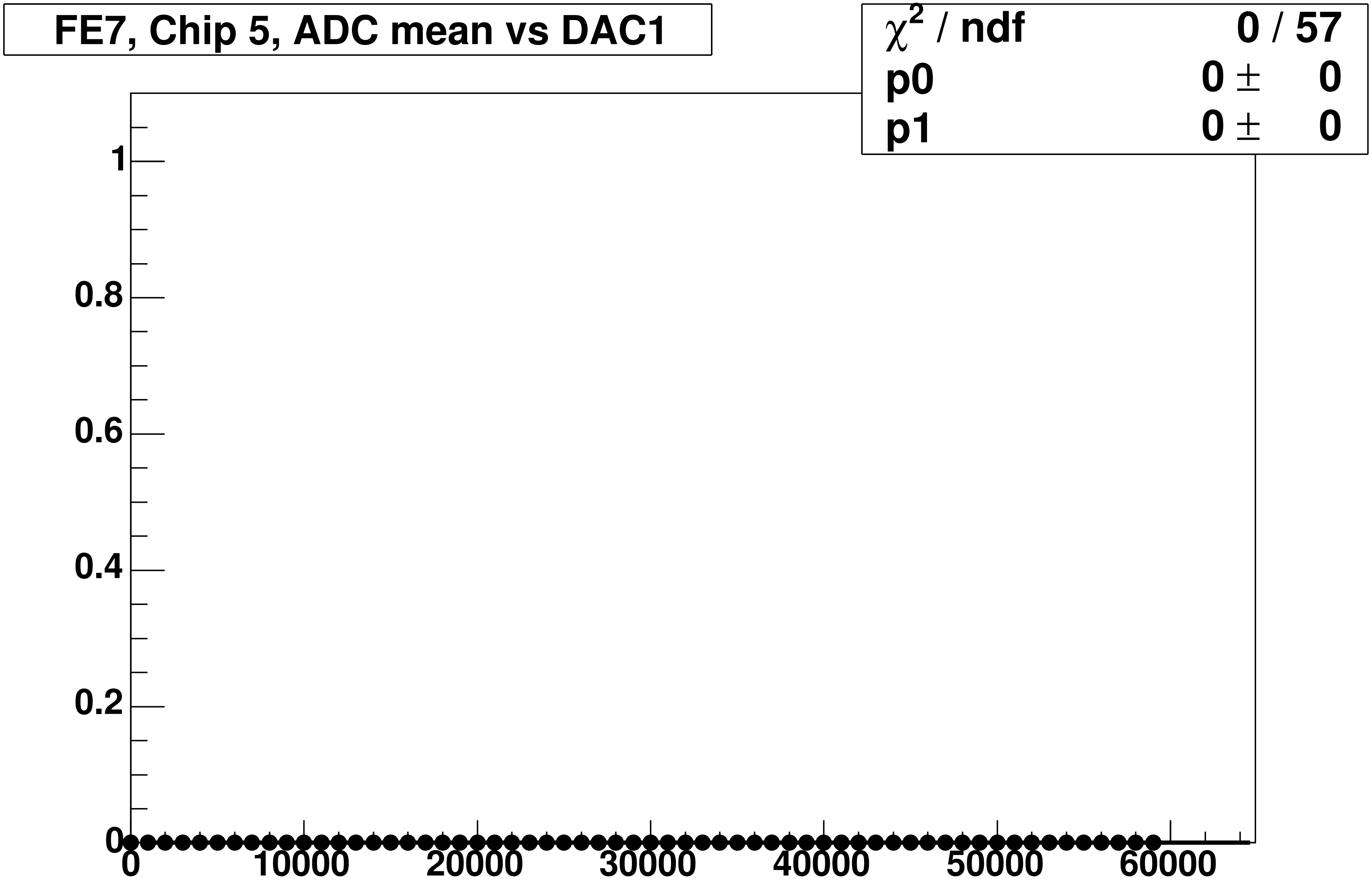


FE7, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

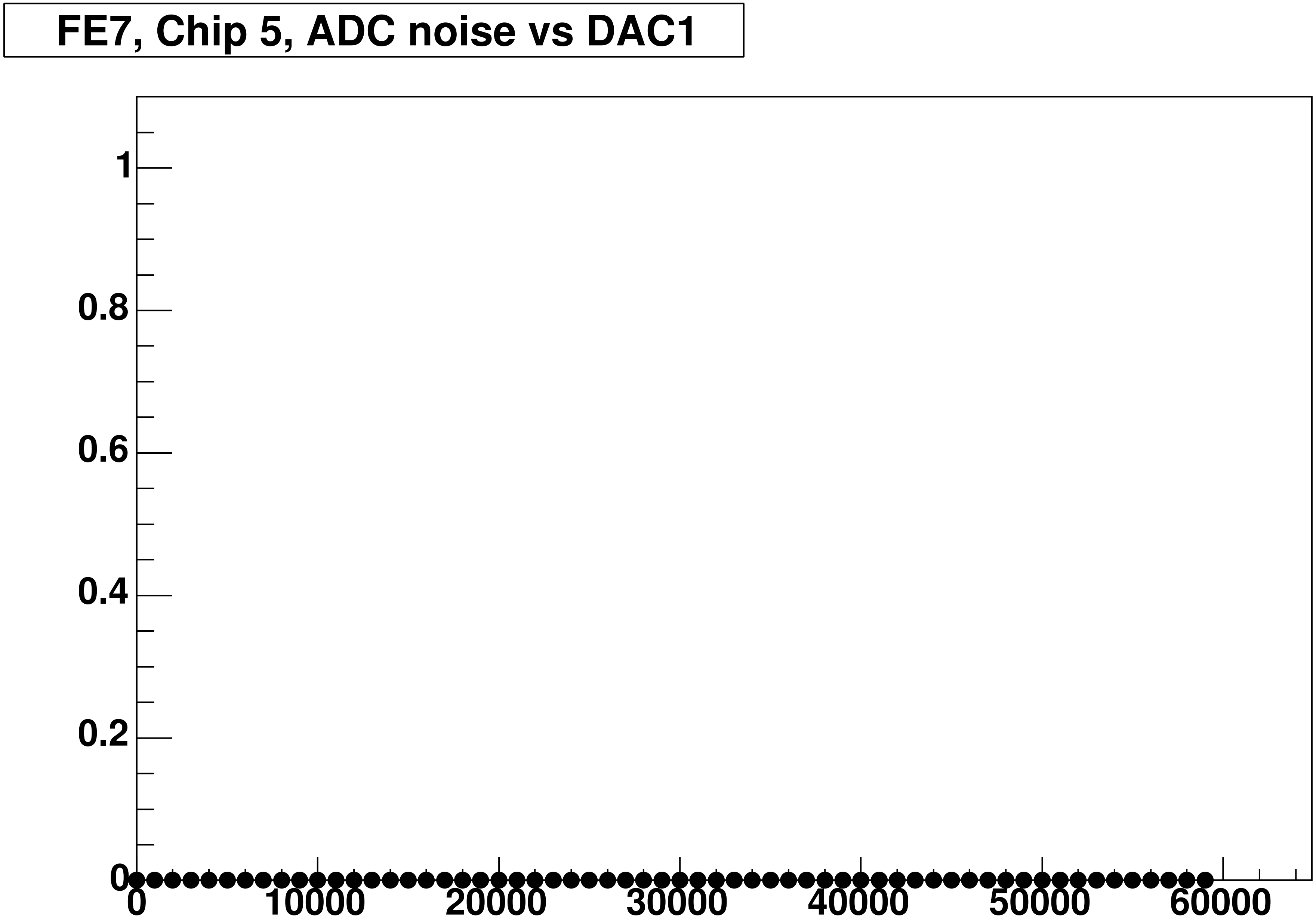


FE7, Chip 5, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

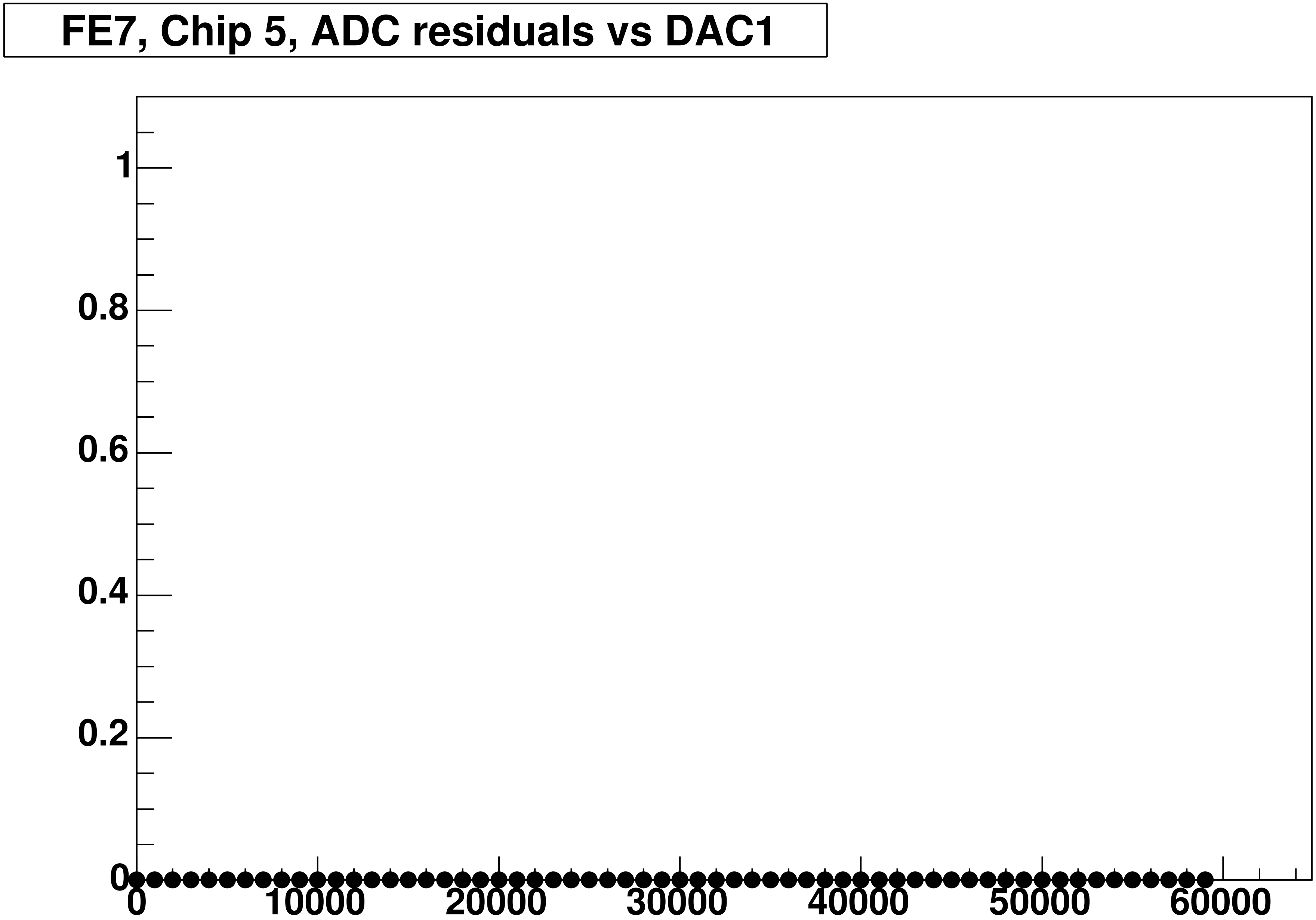

FE7, Chip 5, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



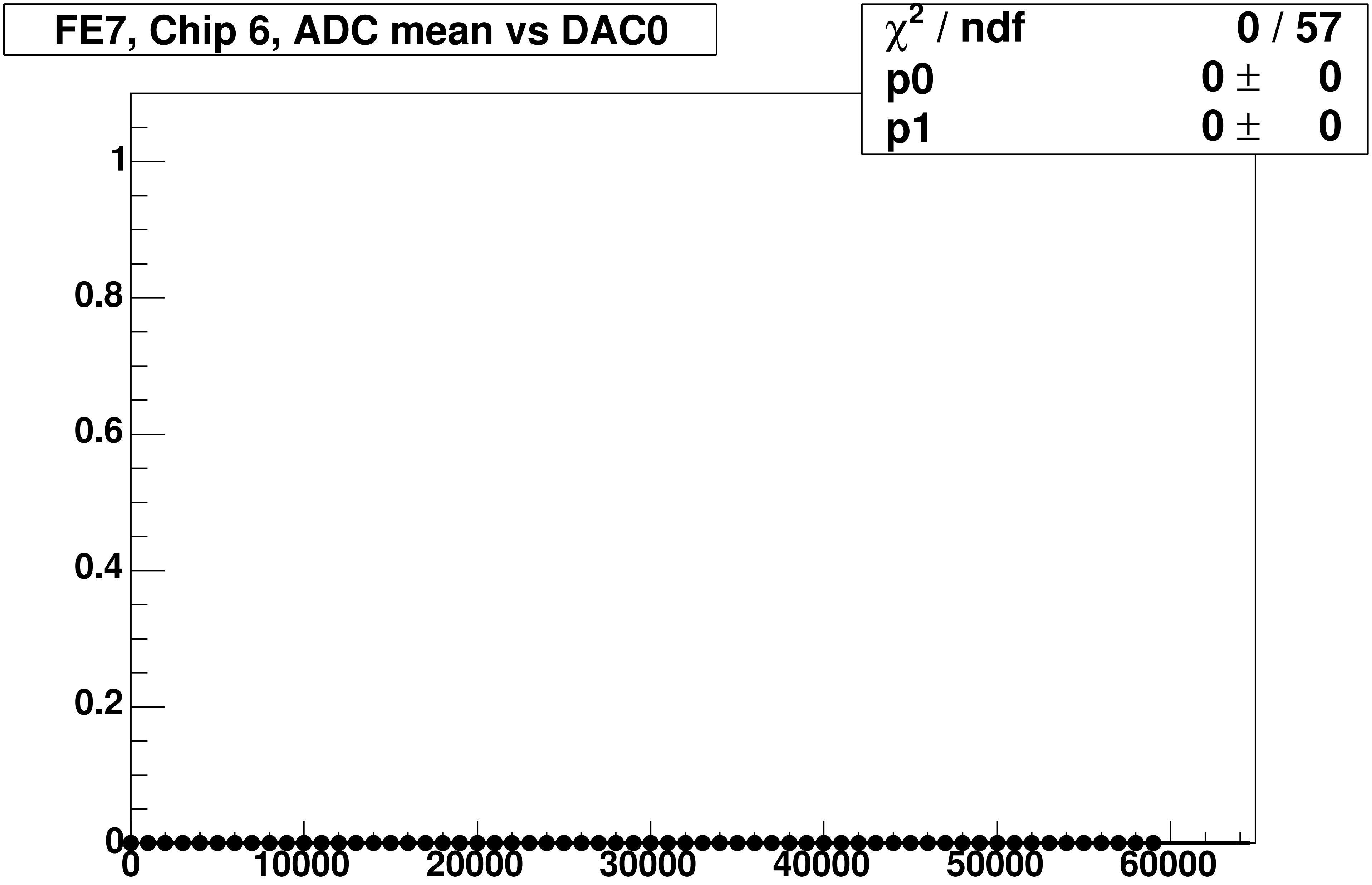
FE7, Chip 5, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

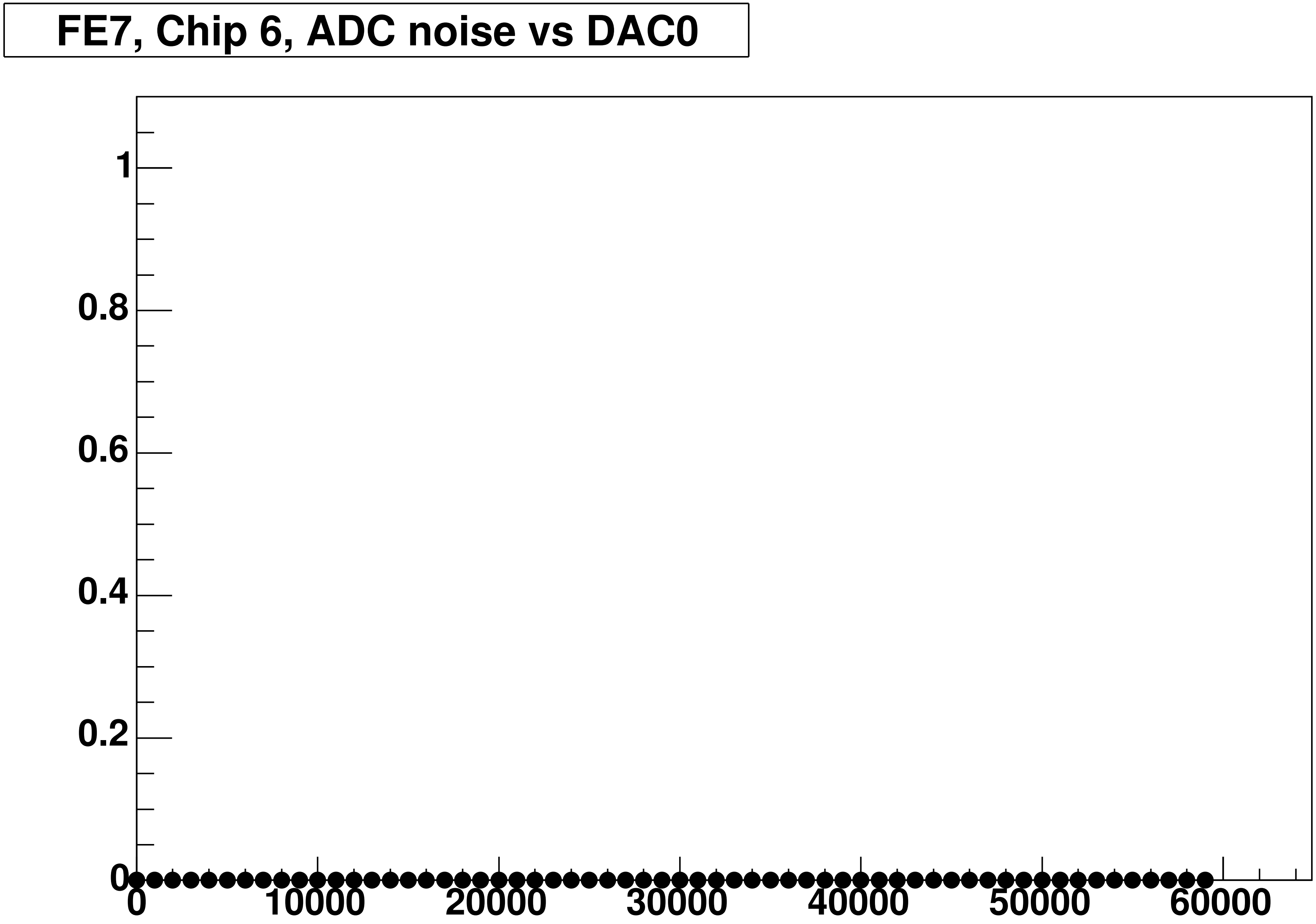


FE7, Chip 5, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

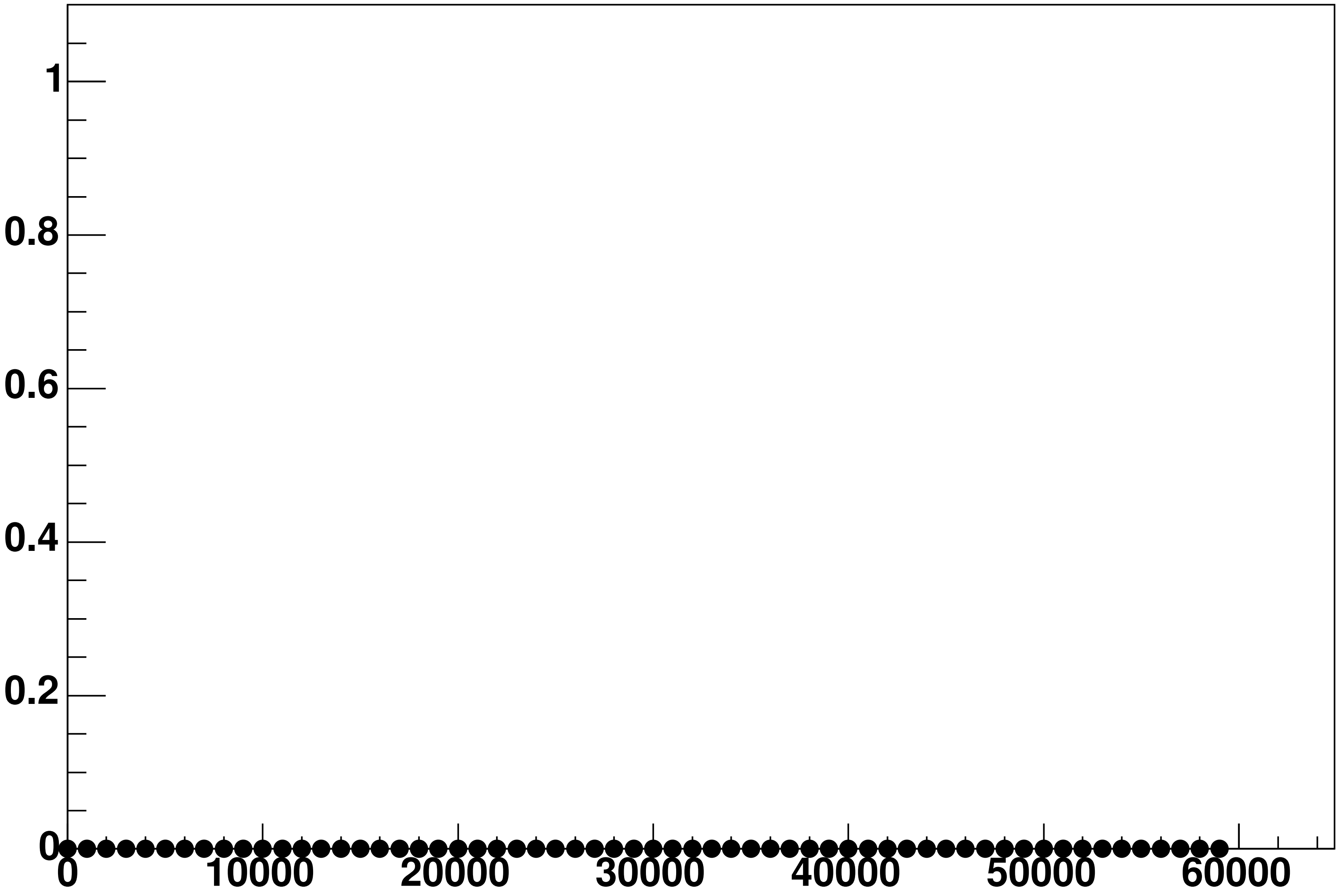


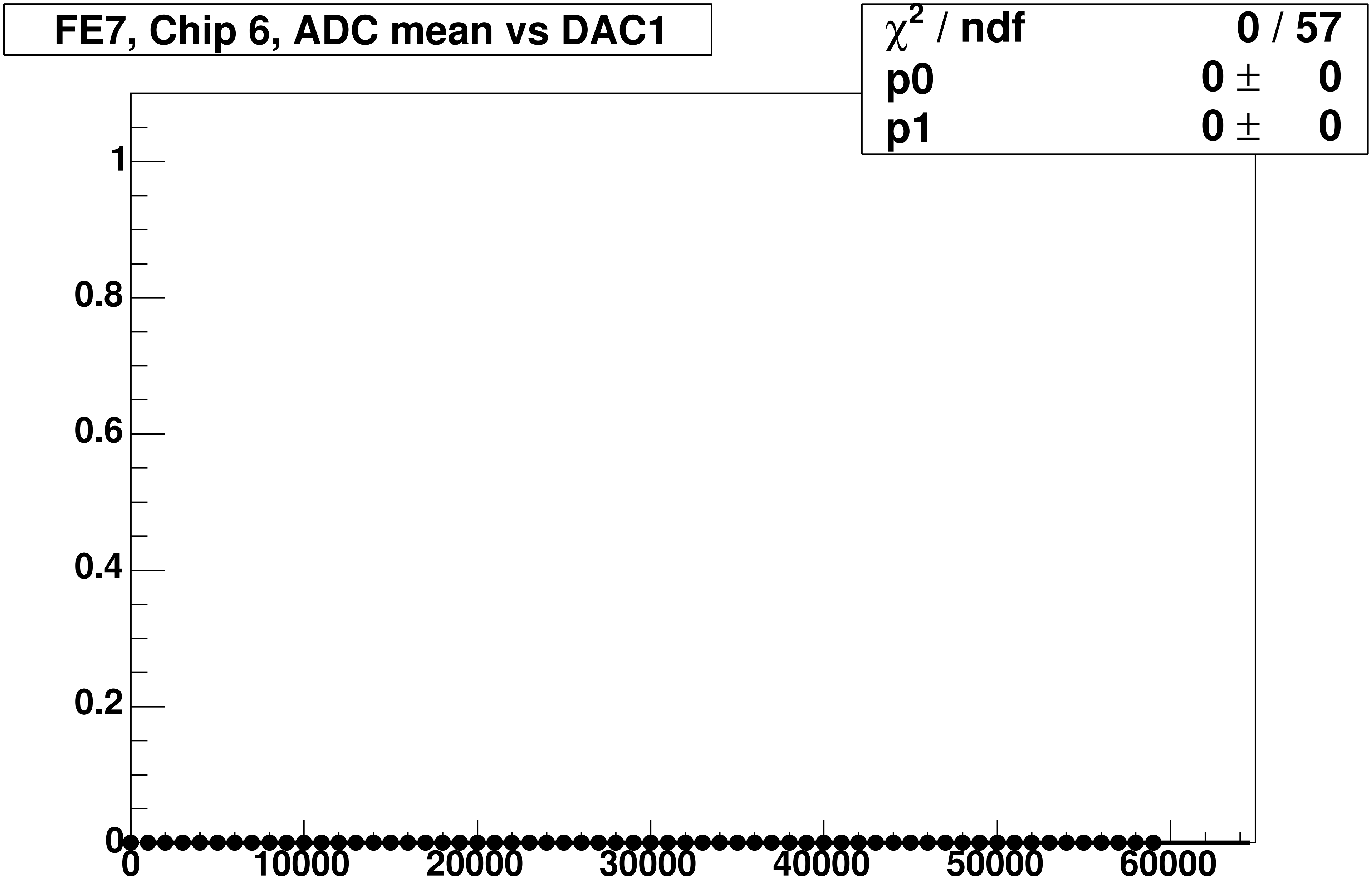
FE7, Chip 5, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

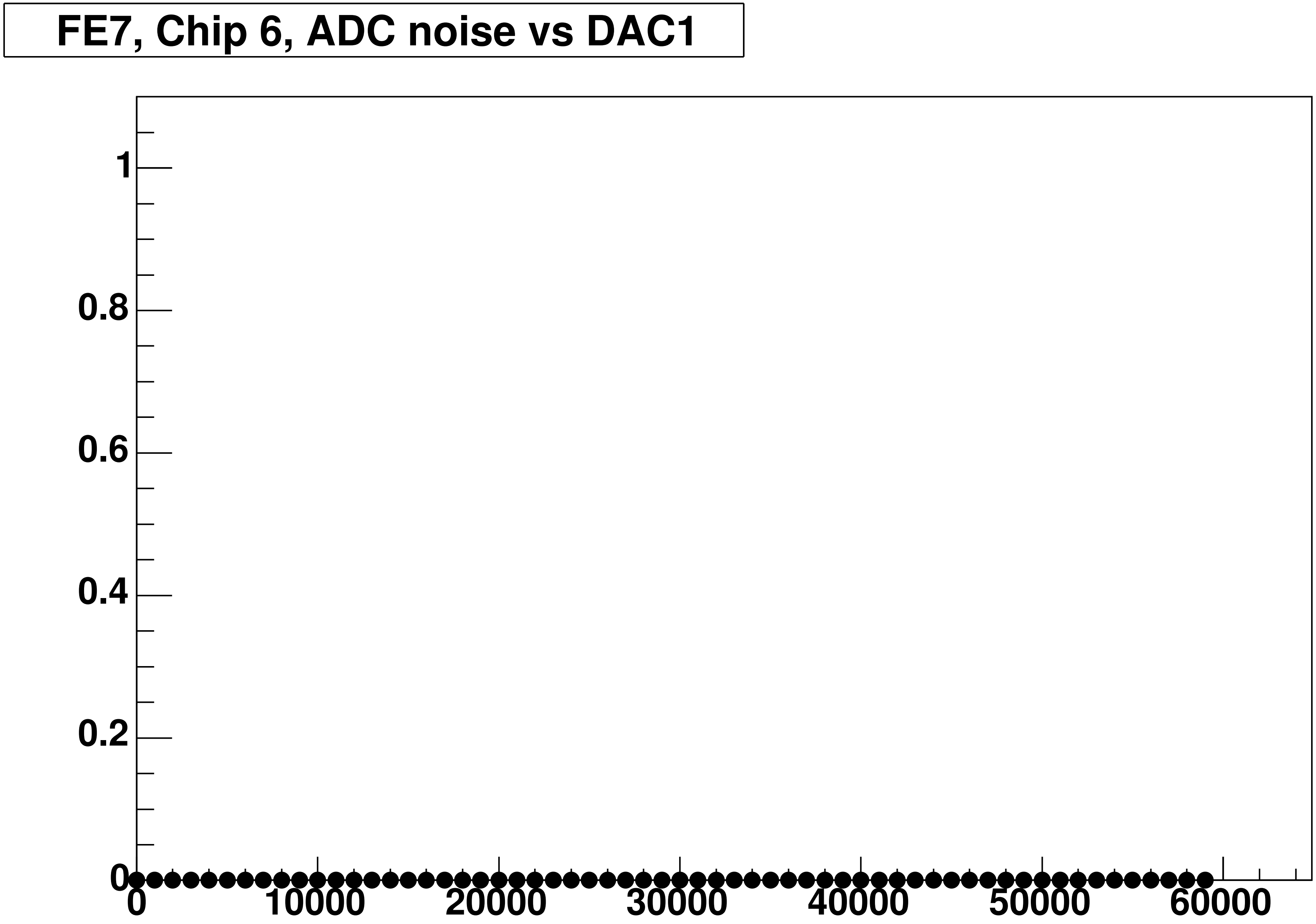

FE7, Chip 6, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

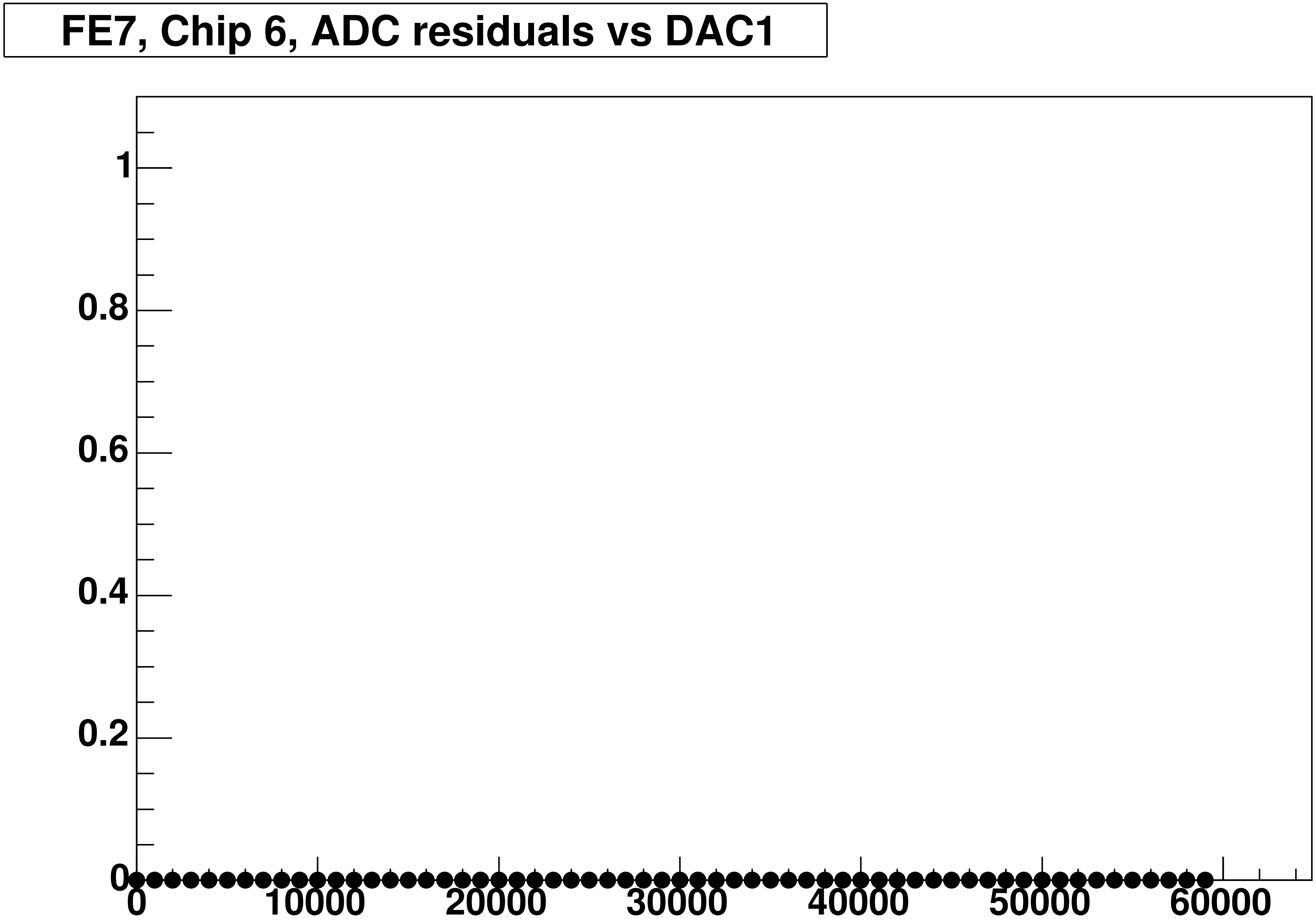

FE7, Chip 6, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

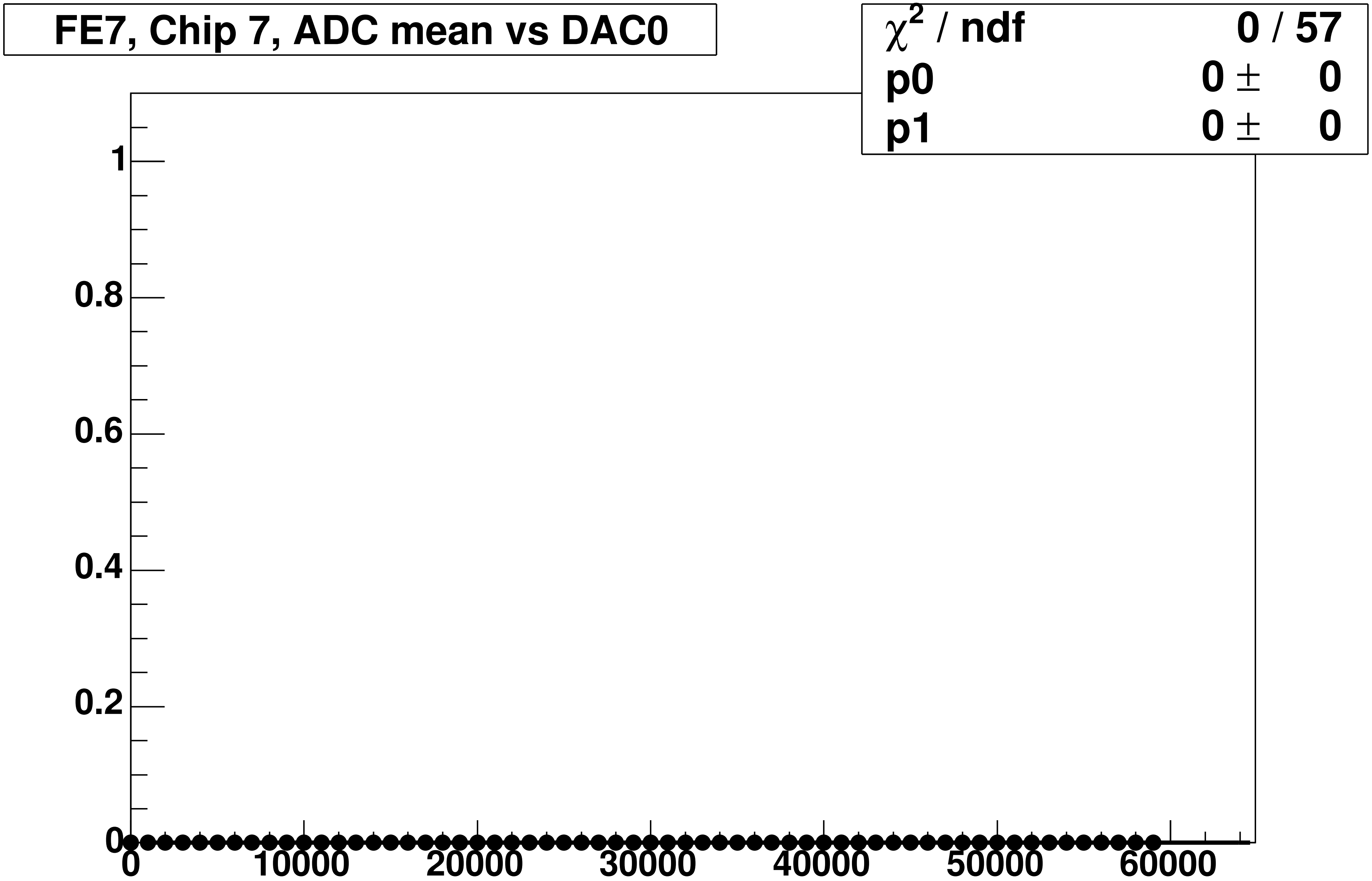
FE7, Chip 6, ADC residuals vs DAC0

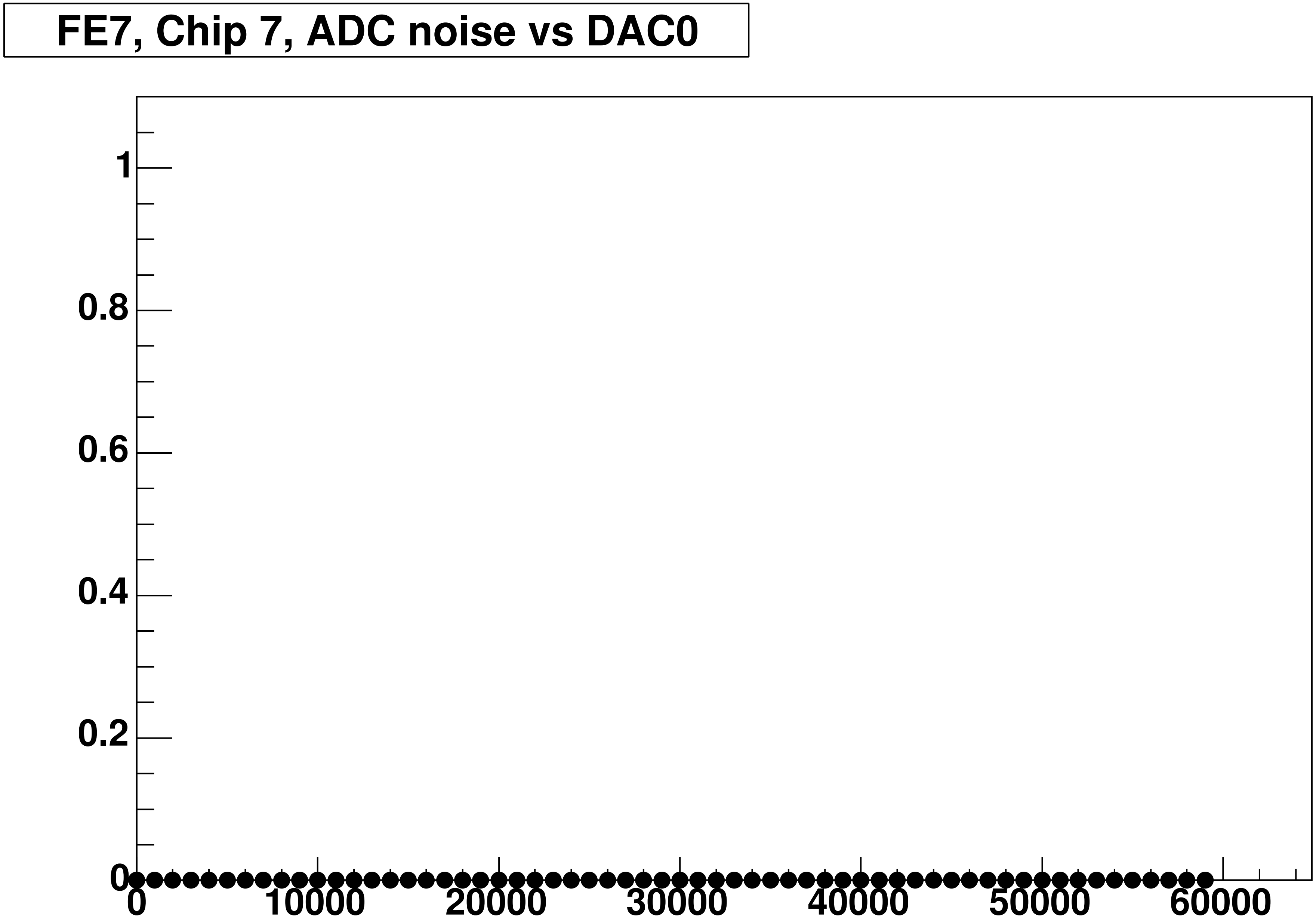



FE7, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

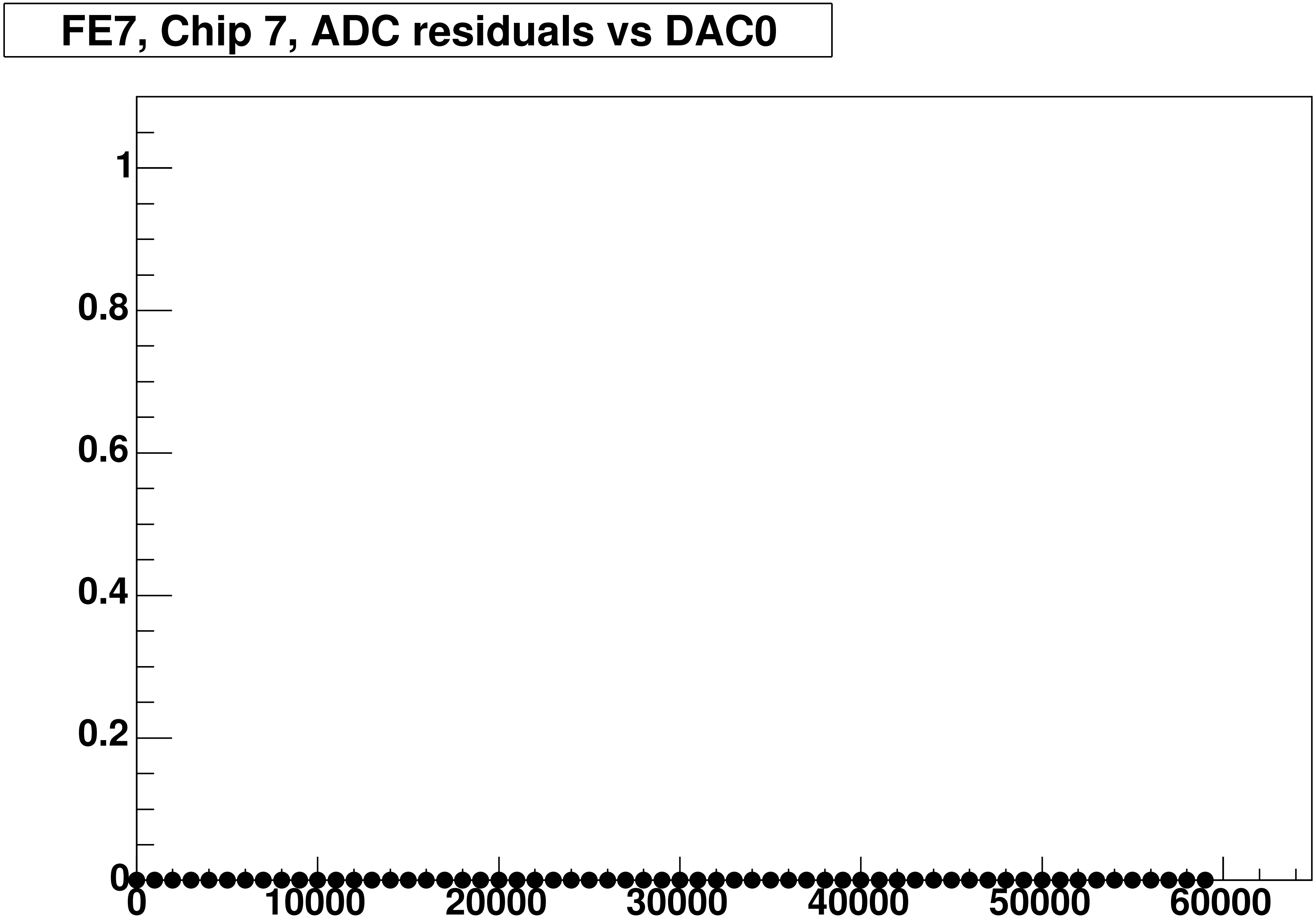

FE7, Chip 6, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

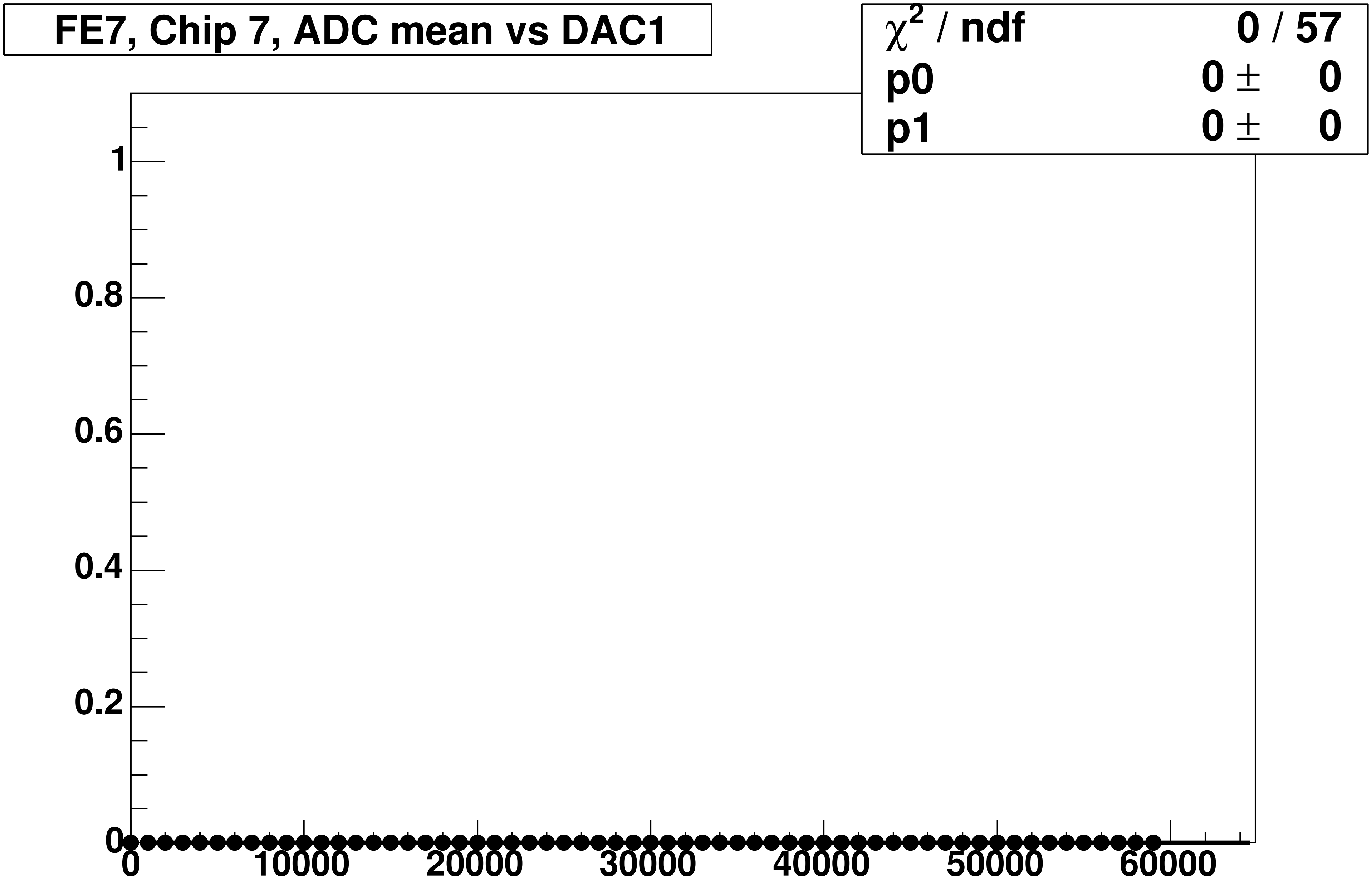

FE7, Chip 6, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 7, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

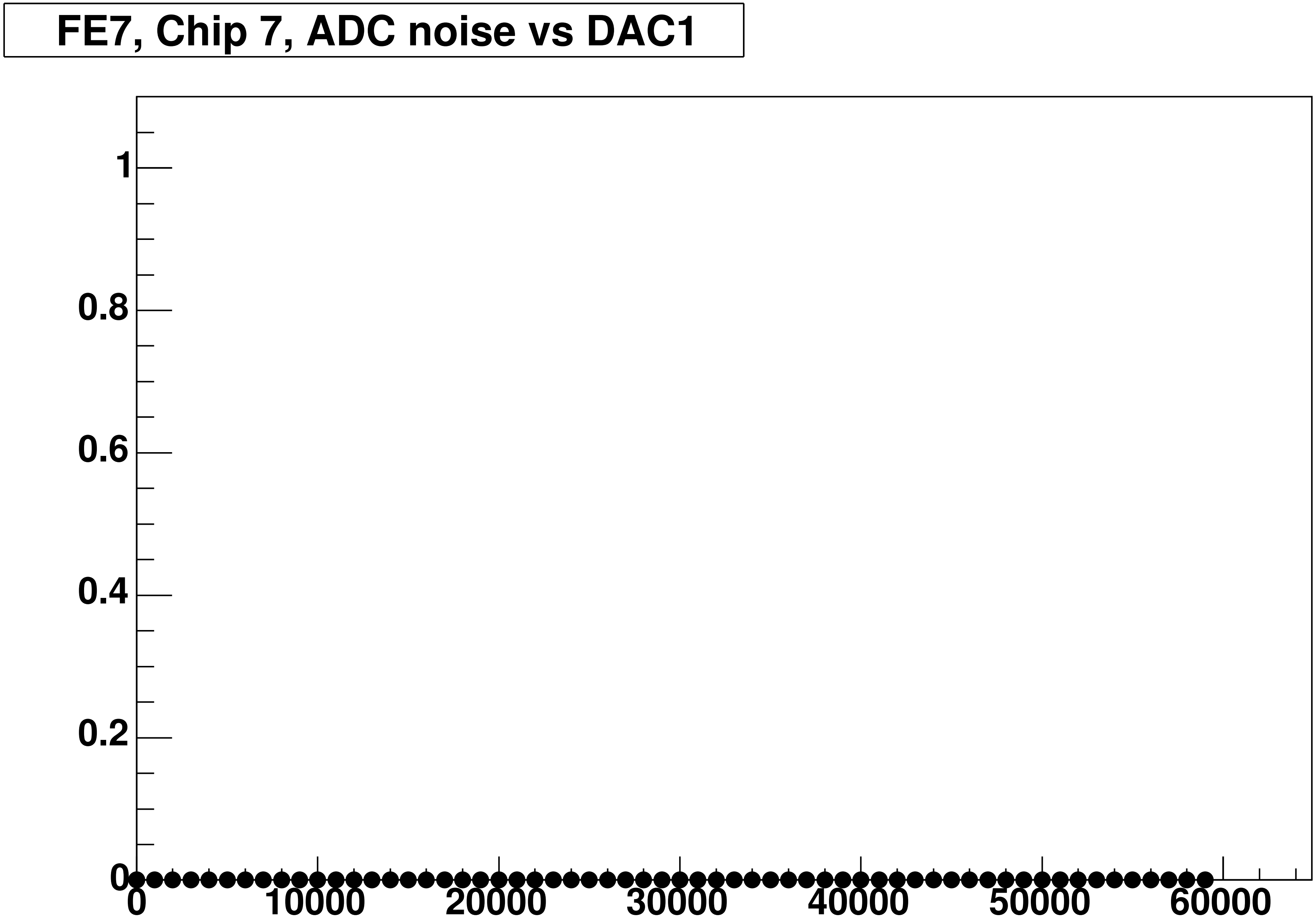


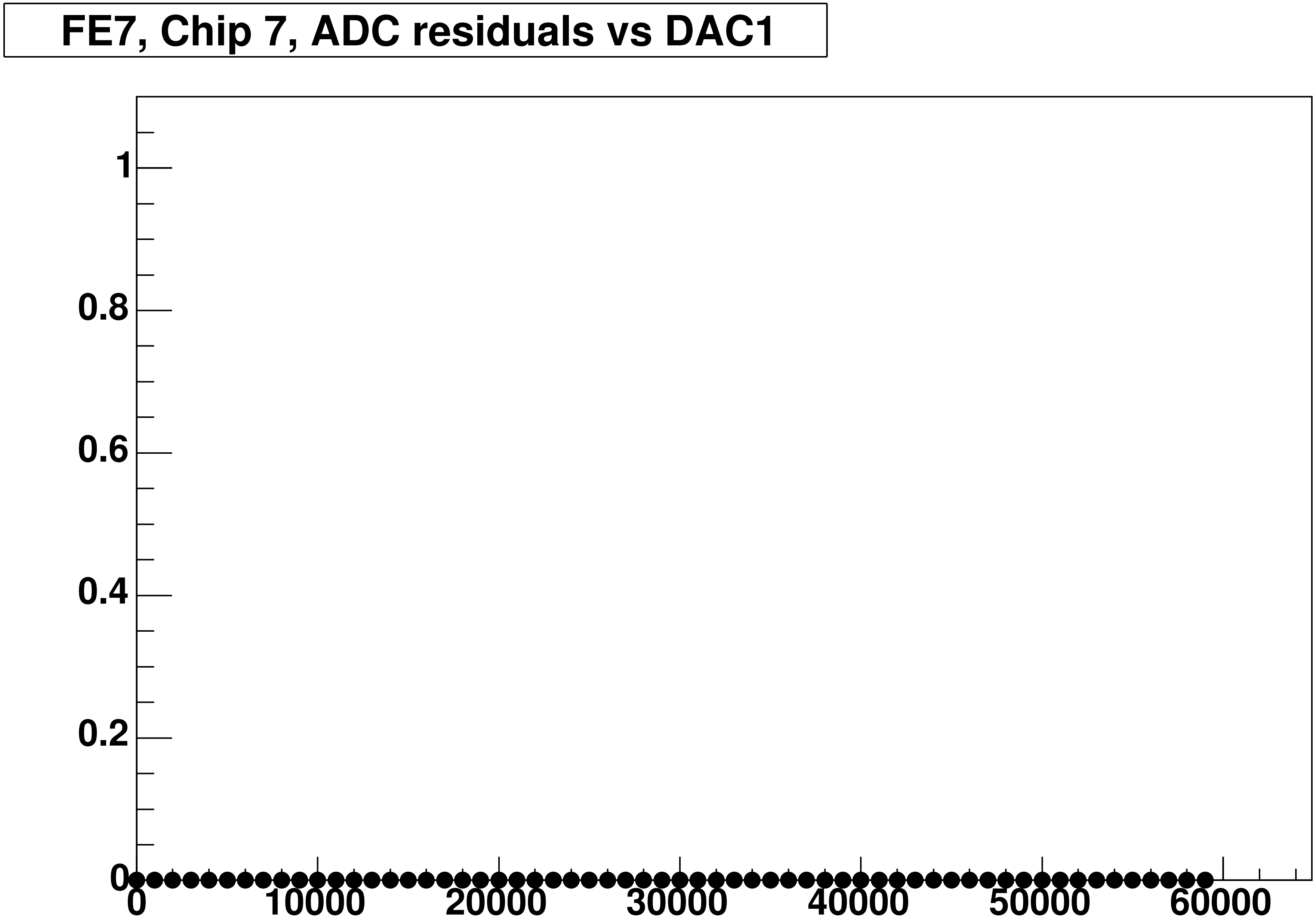
FE7, Chip 7, ADC noise vs DAC0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000


FE7, Chip 7, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

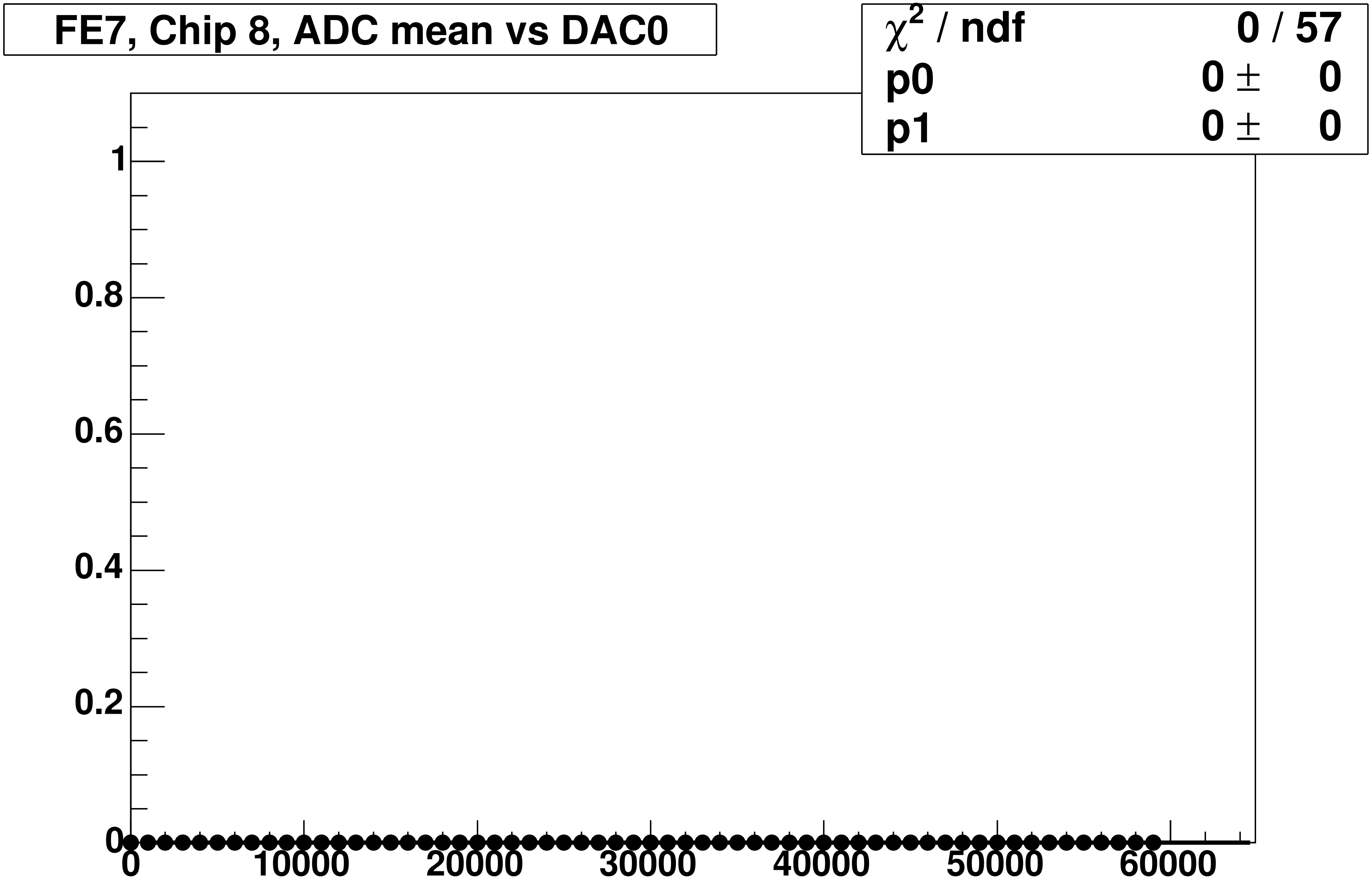


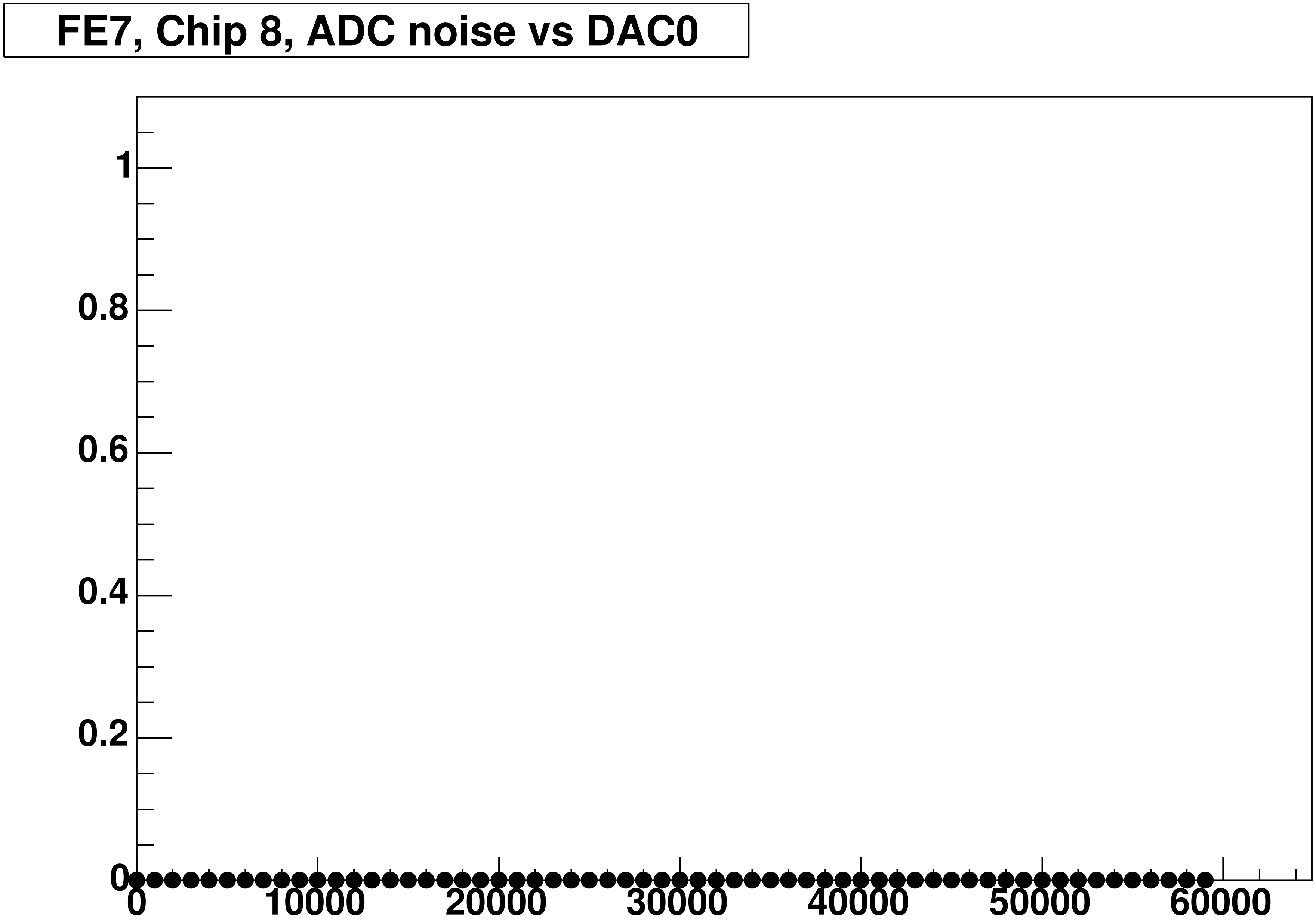
FE7, Chip 7, ADC mean vs DAC1
χ2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 7, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

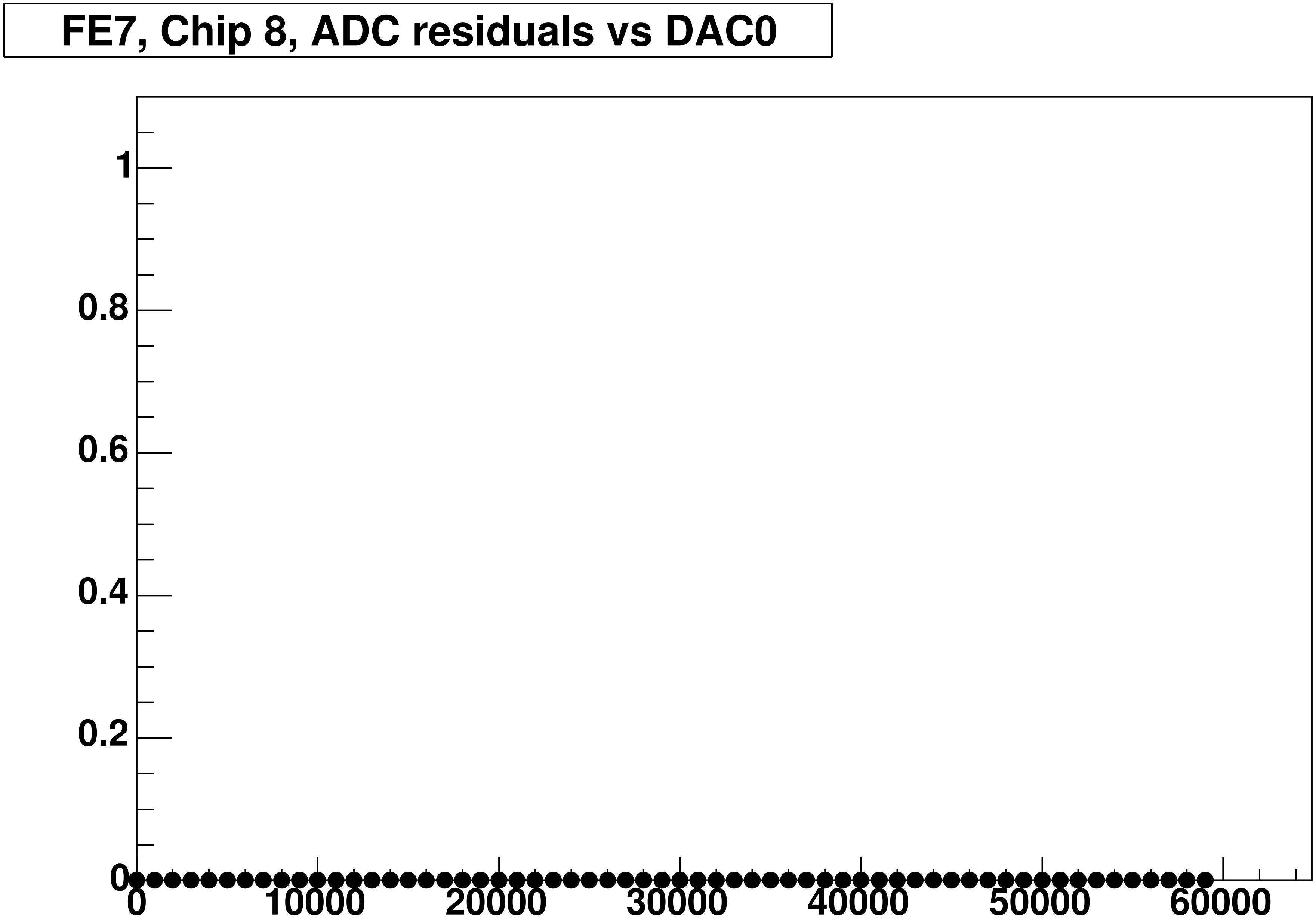


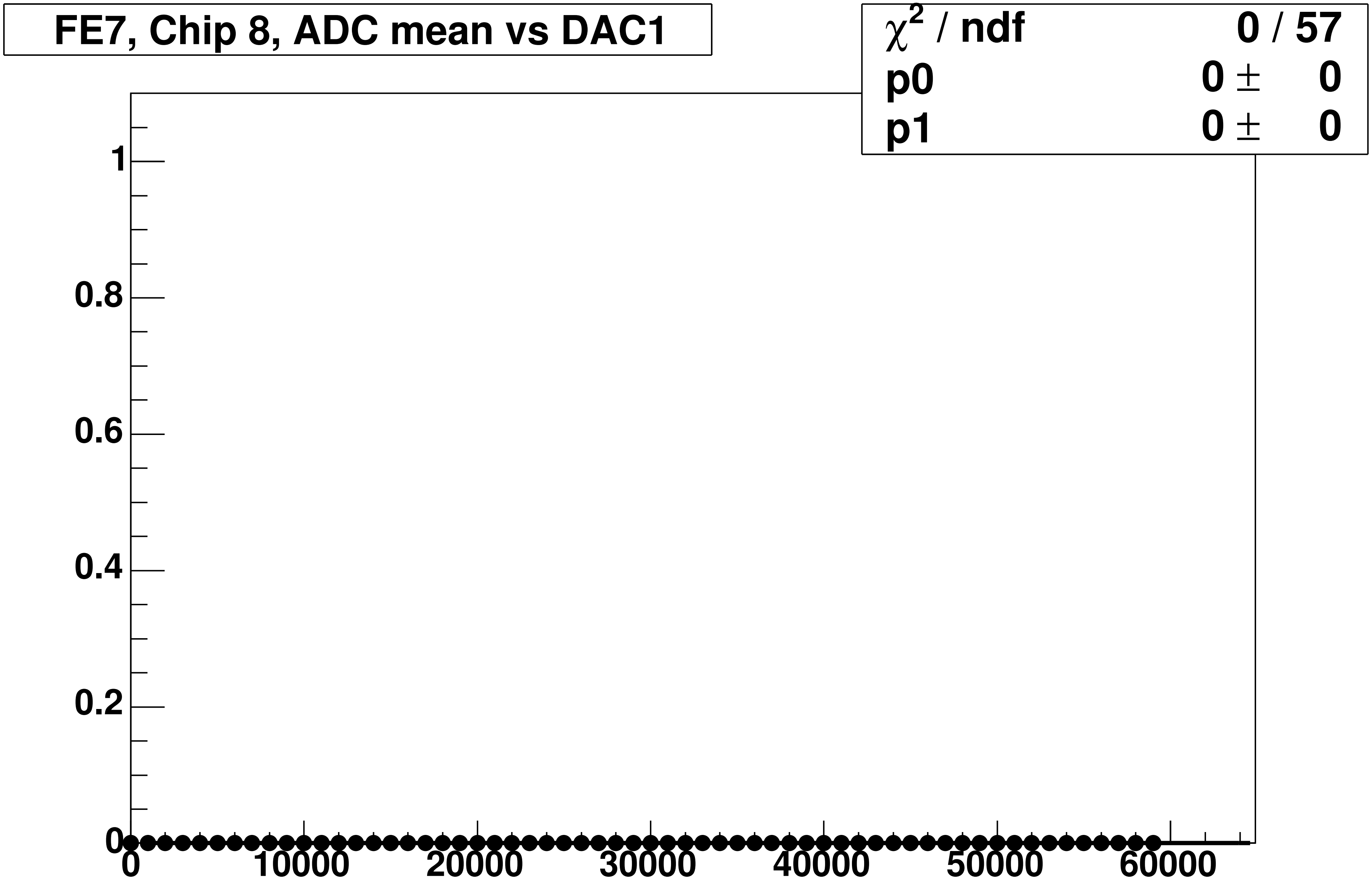
FE7, Chip 7, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

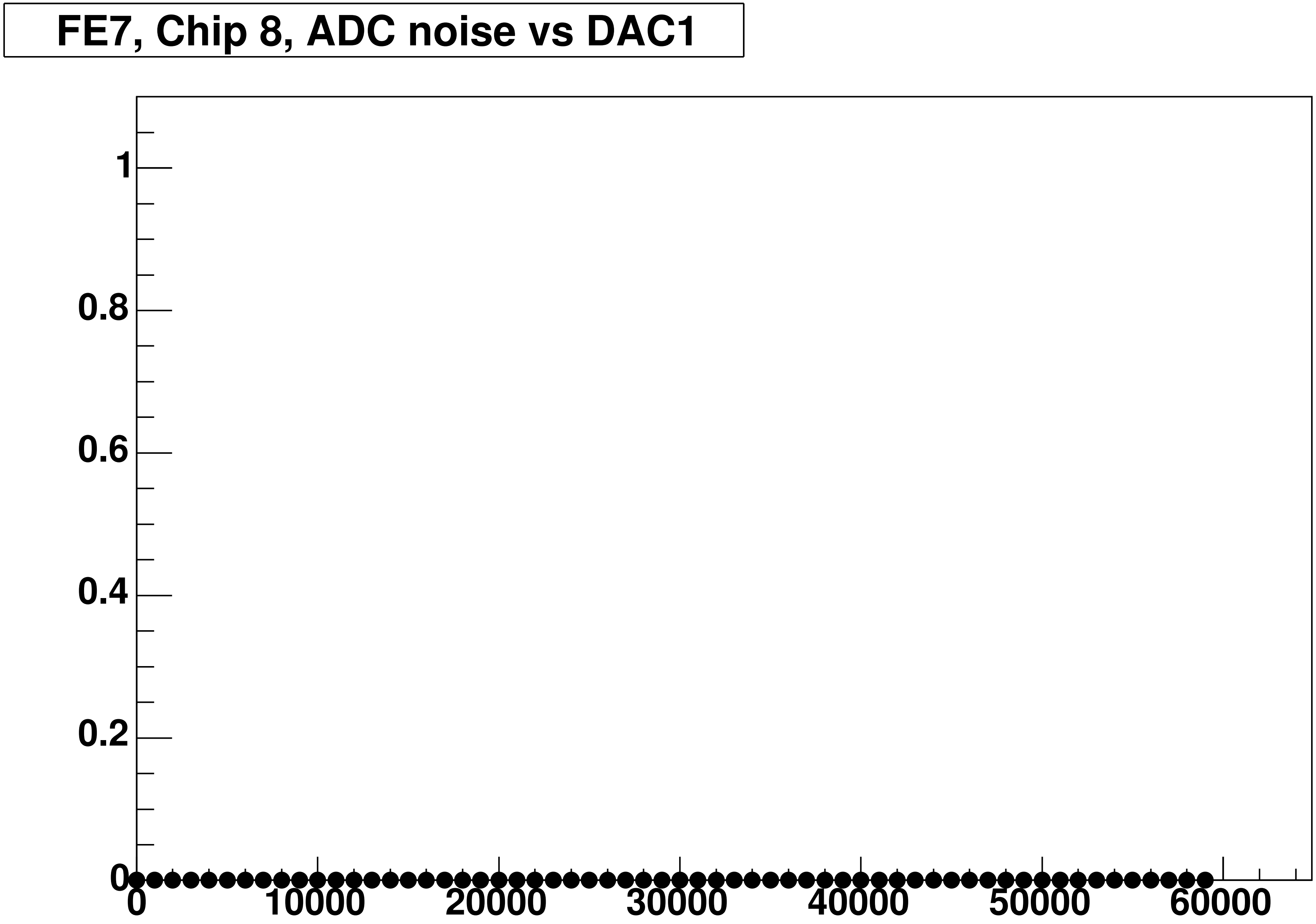

FE7, Chip 8, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

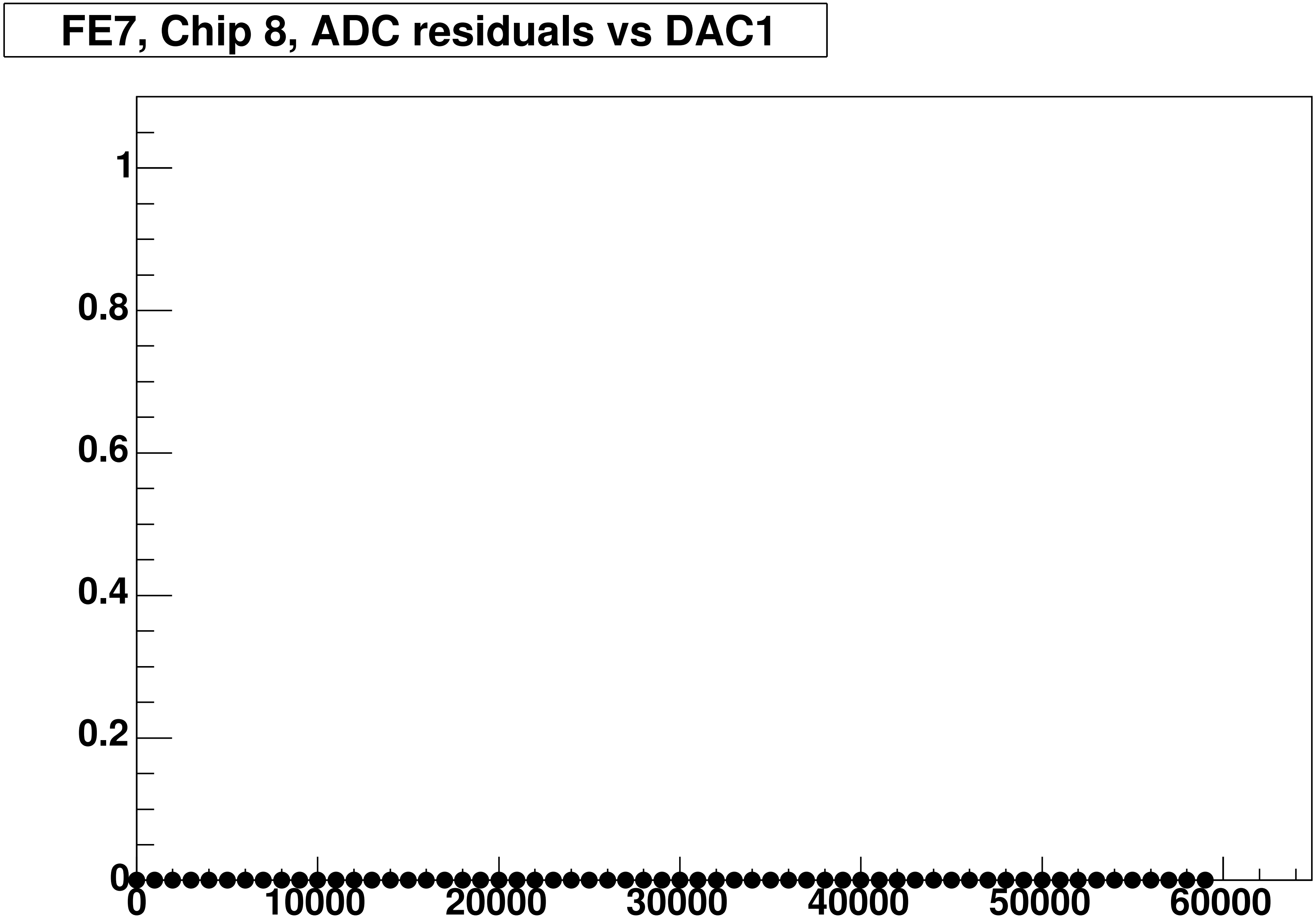


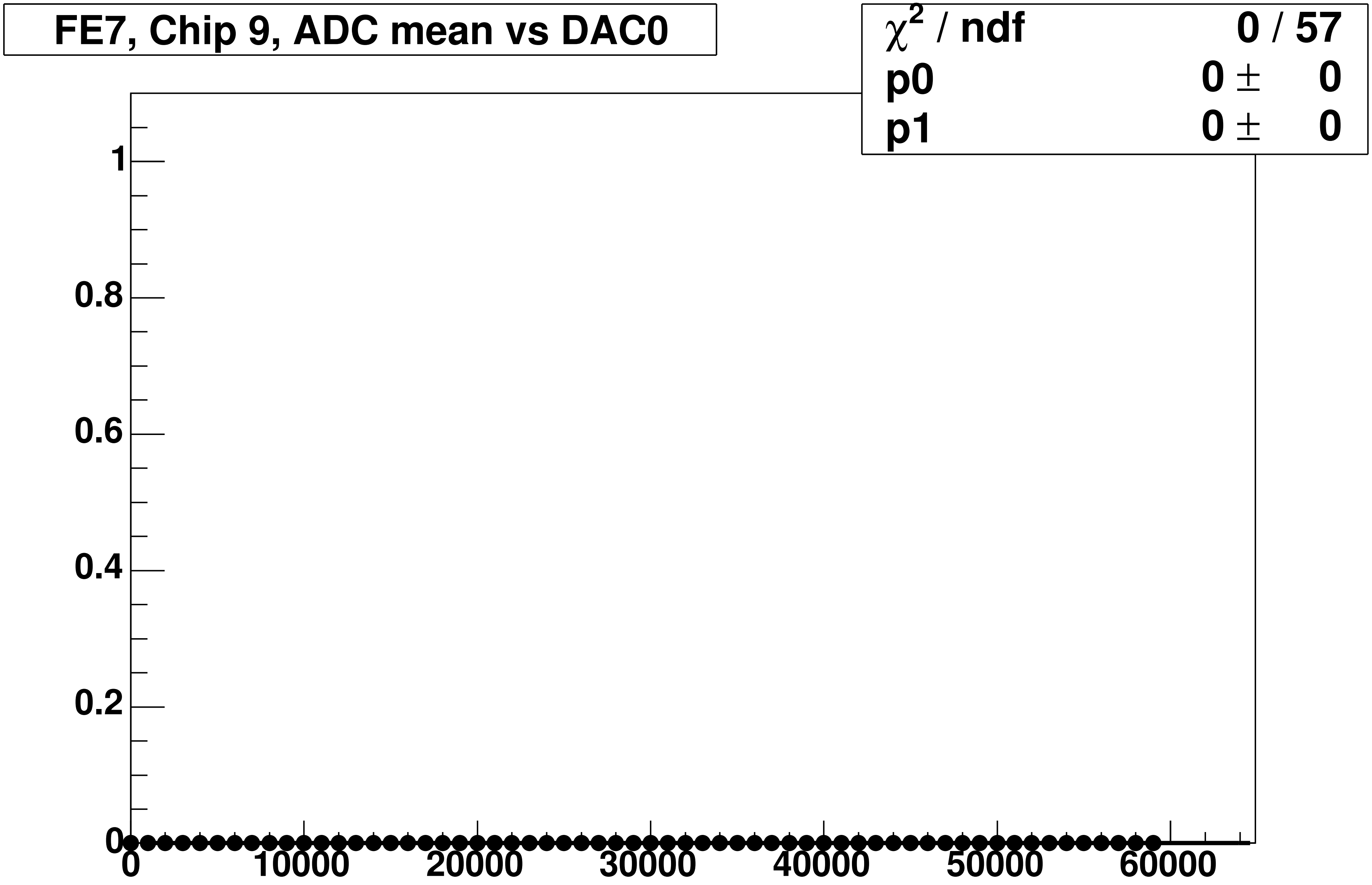
FE7, Chip 8, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 8, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

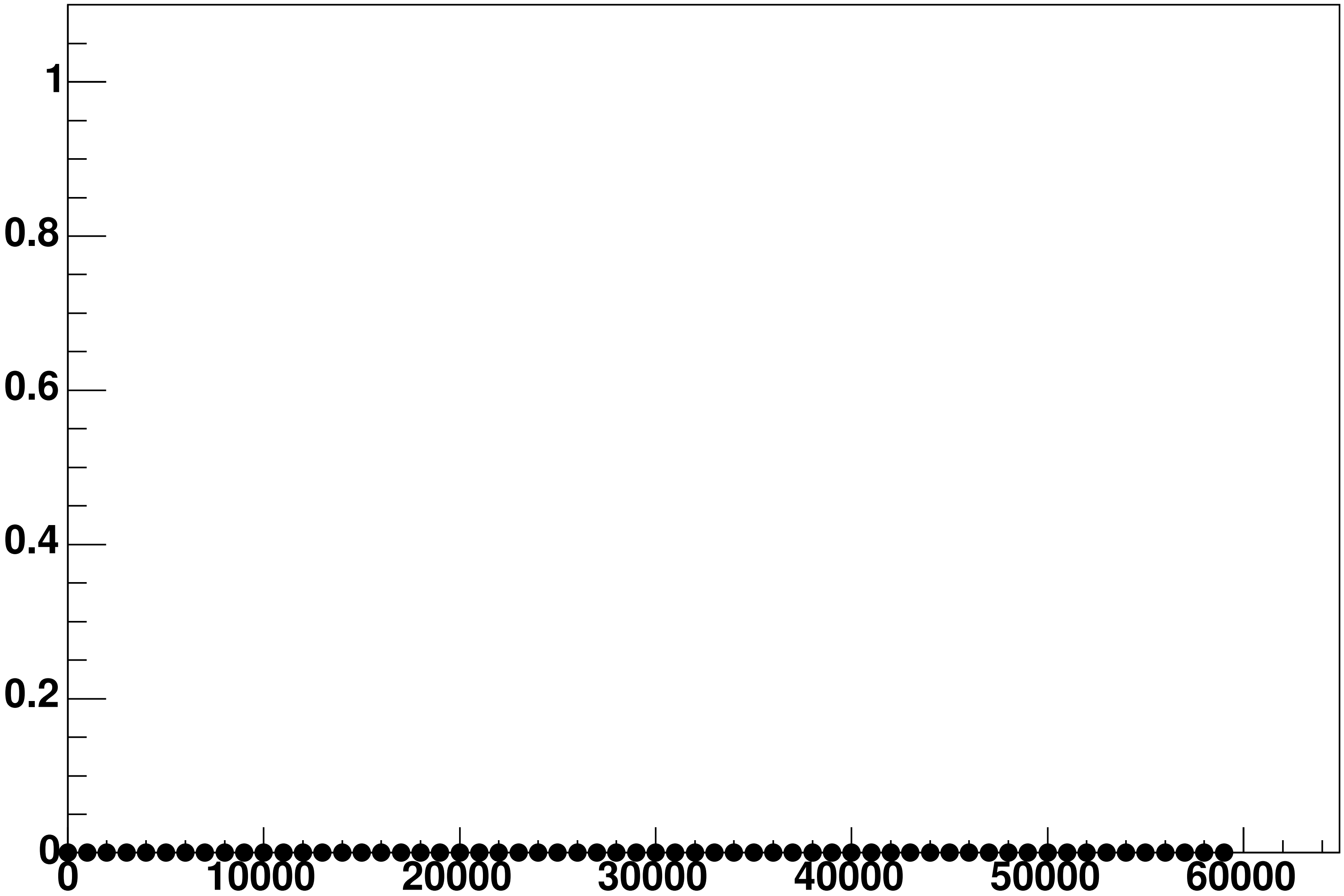

FE7, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

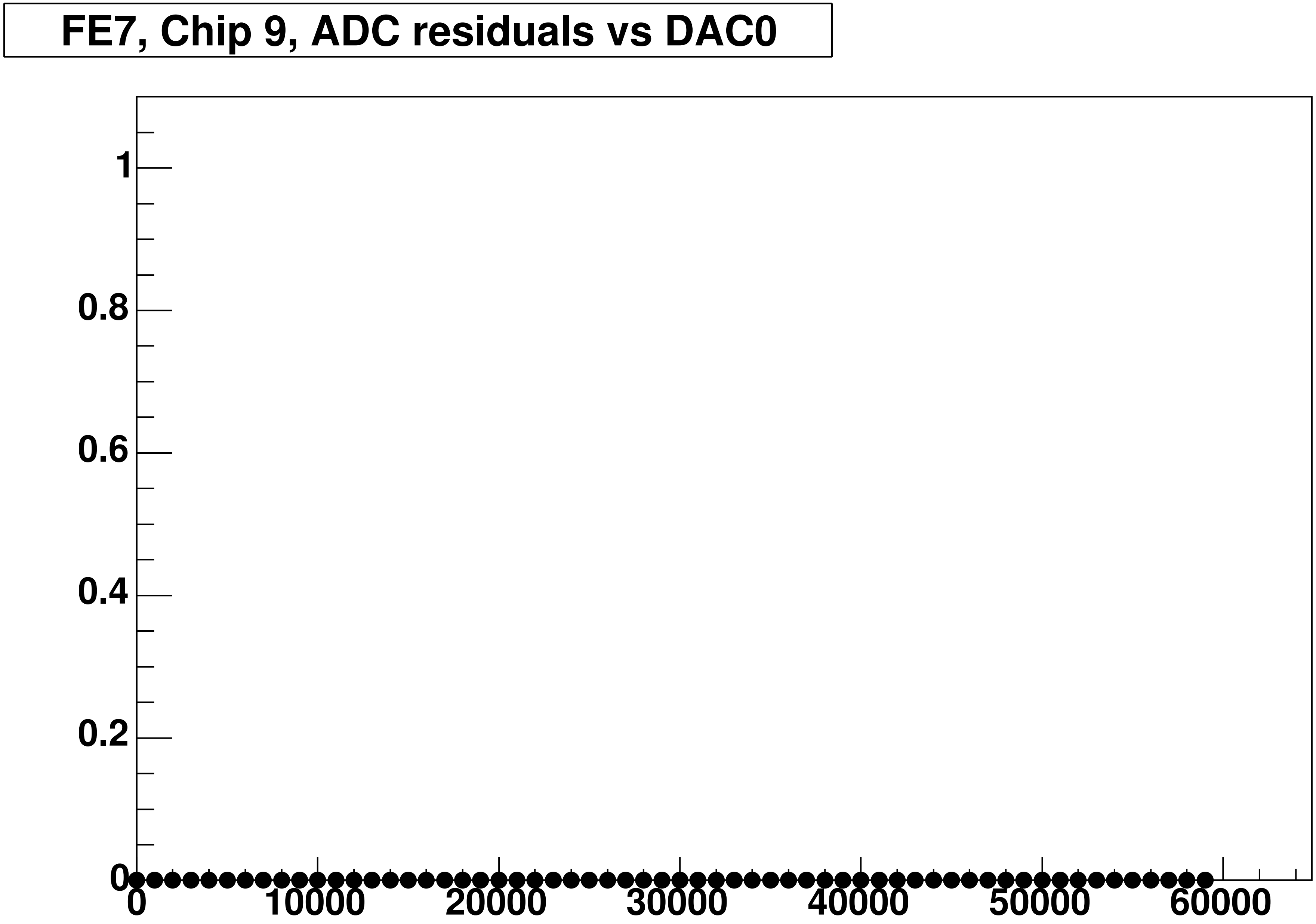

FE7, Chip 8, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

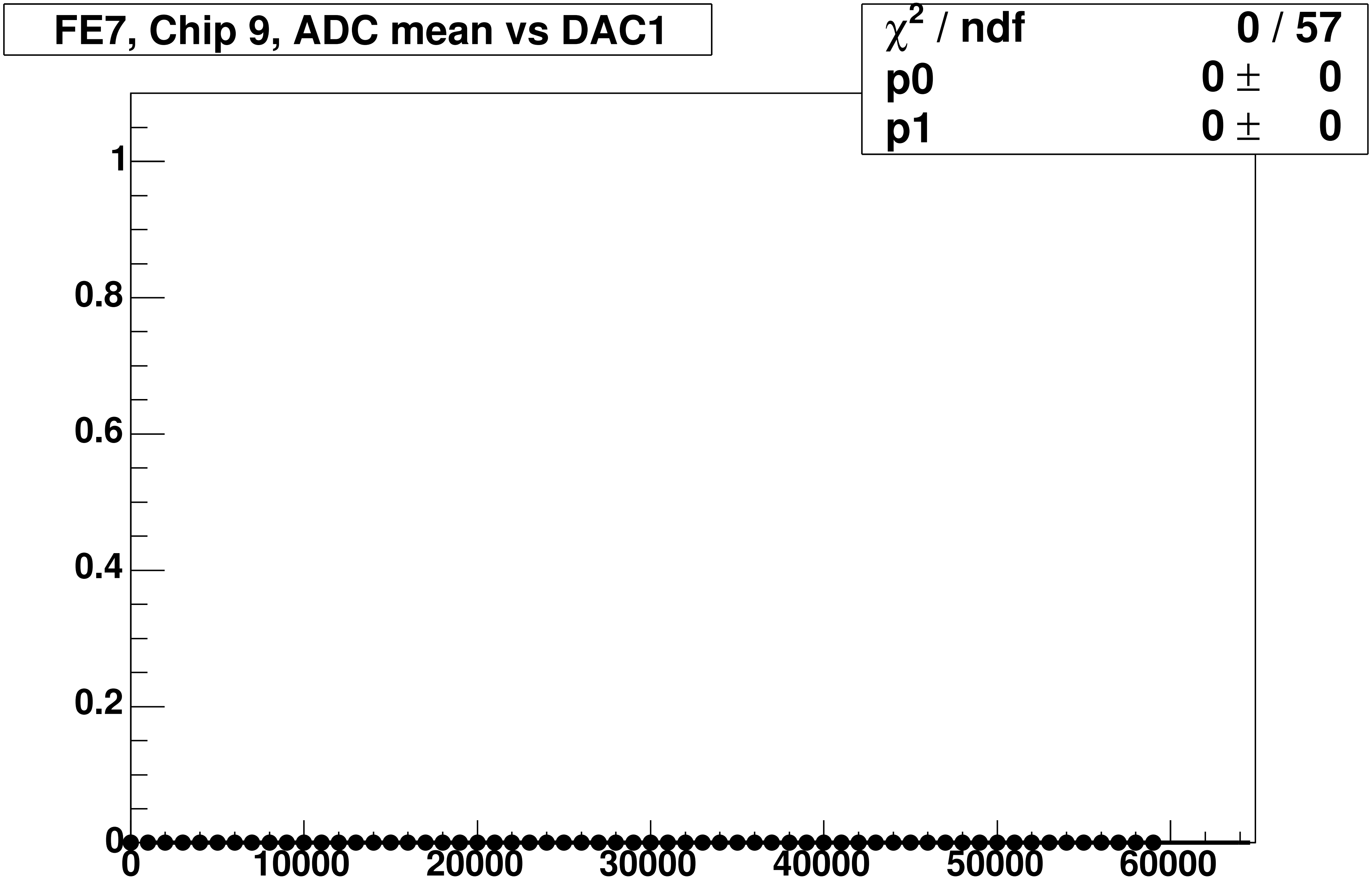

FE7, Chip 8, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 9, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

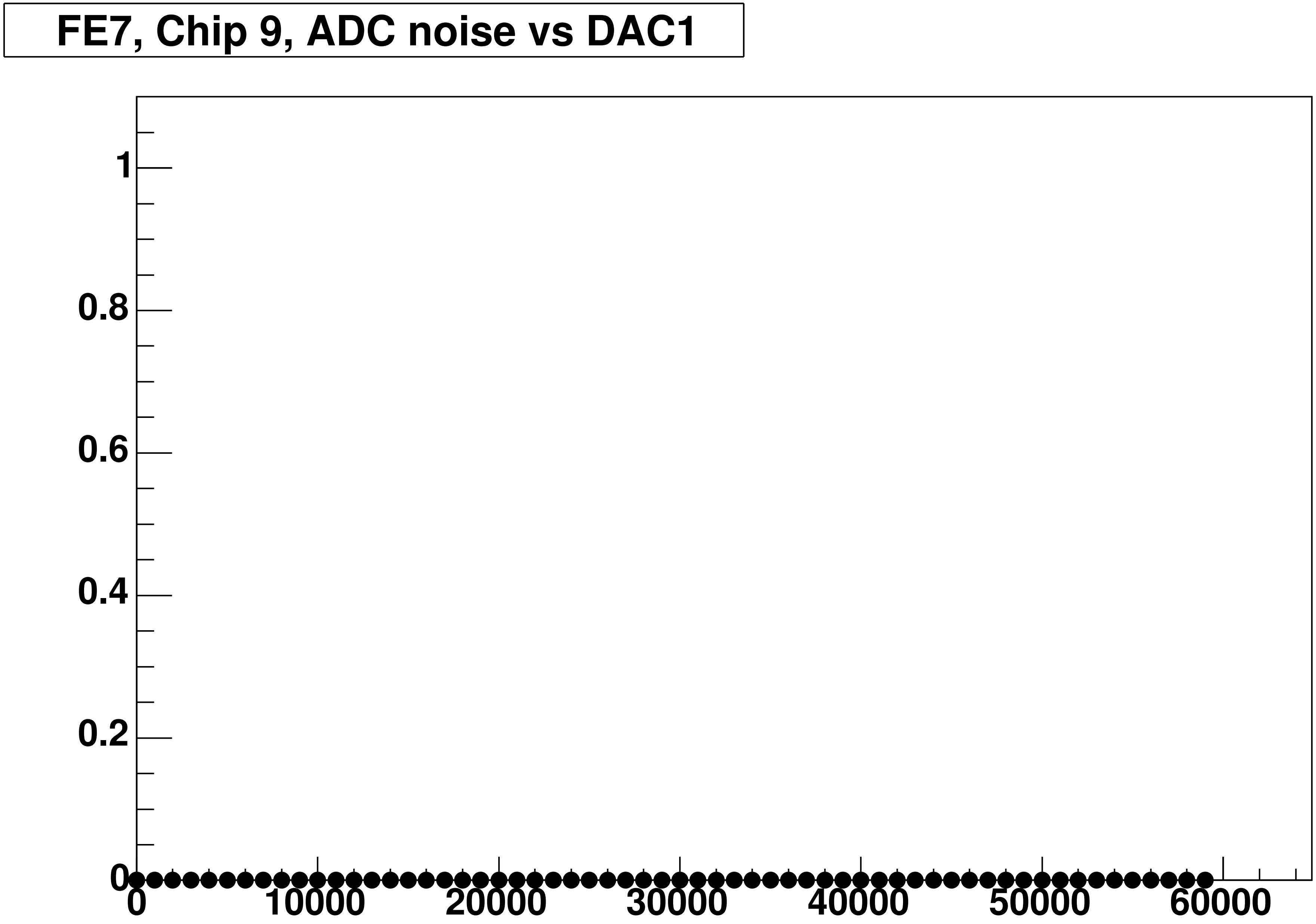
FE7, Chip 9, ADC noise vs DAC0

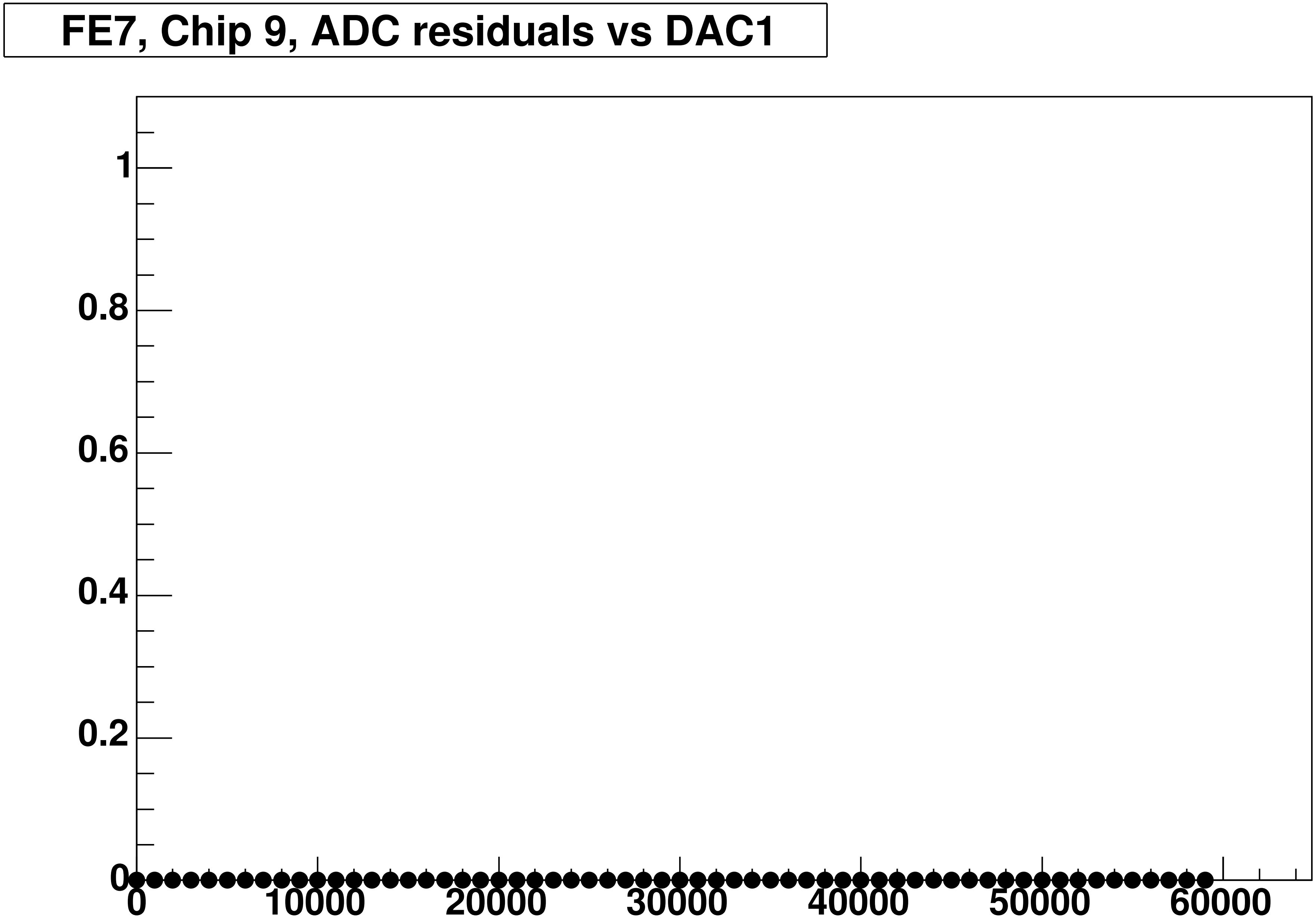


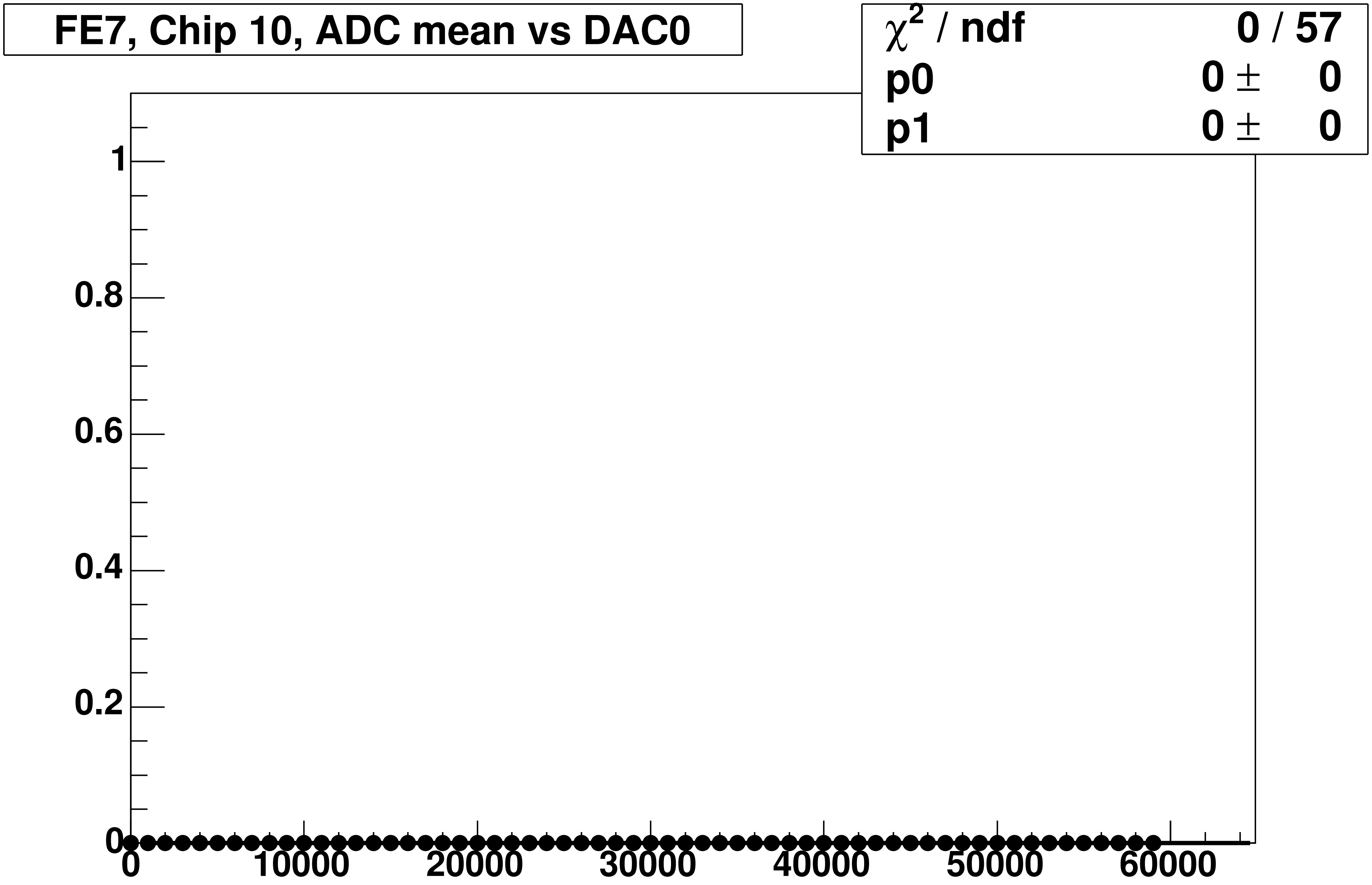

FE7, Chip 9, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

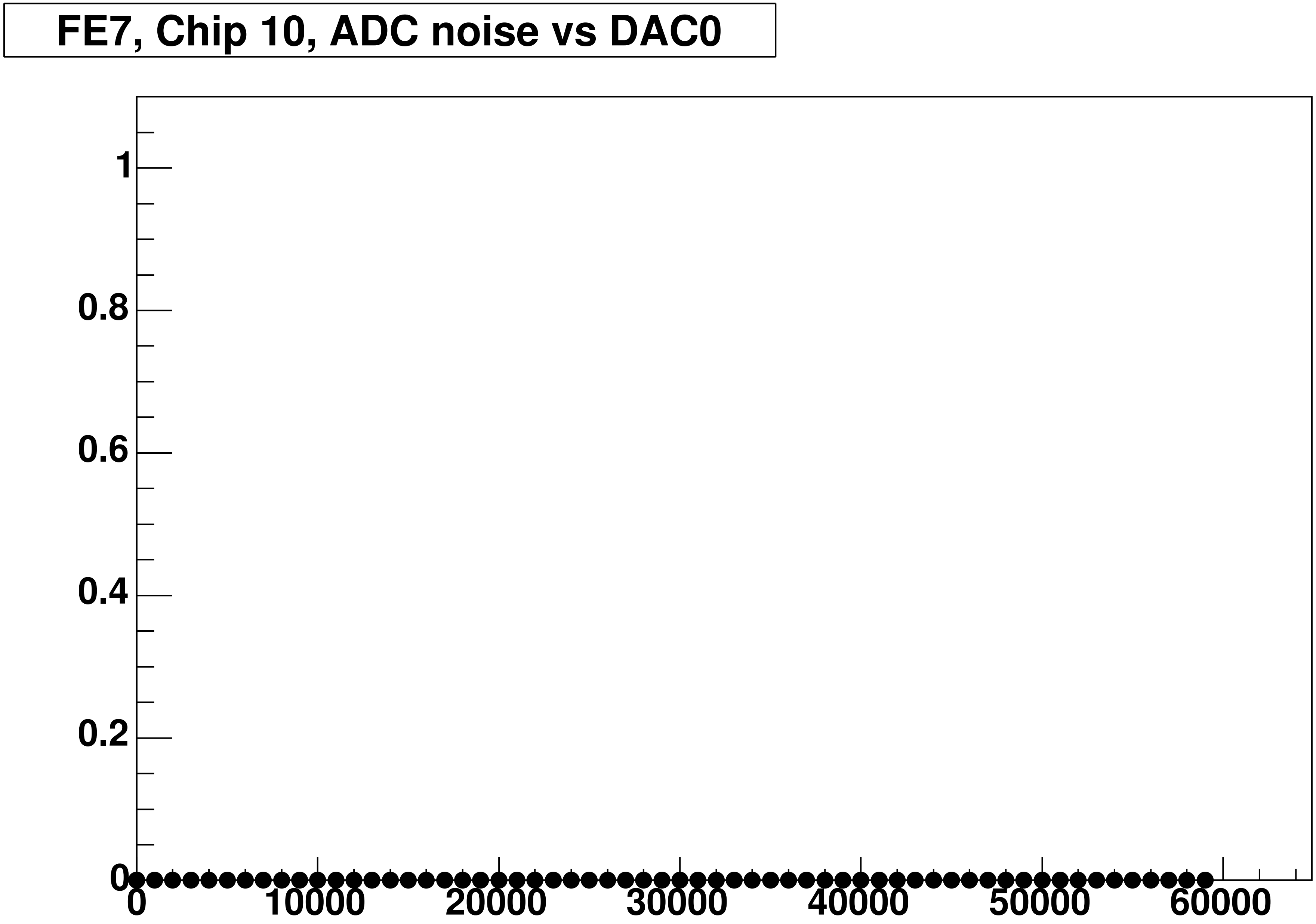


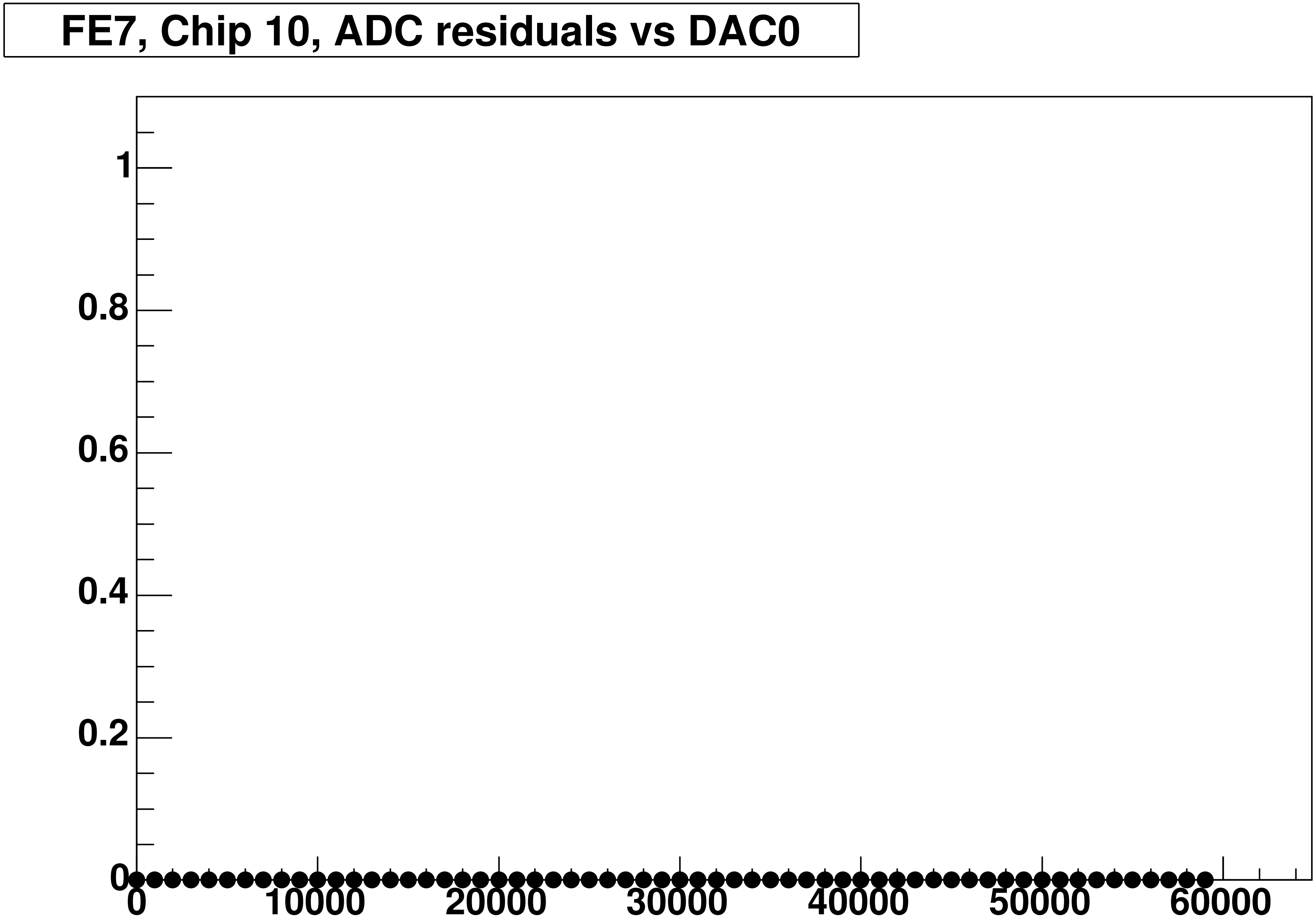
FE7, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

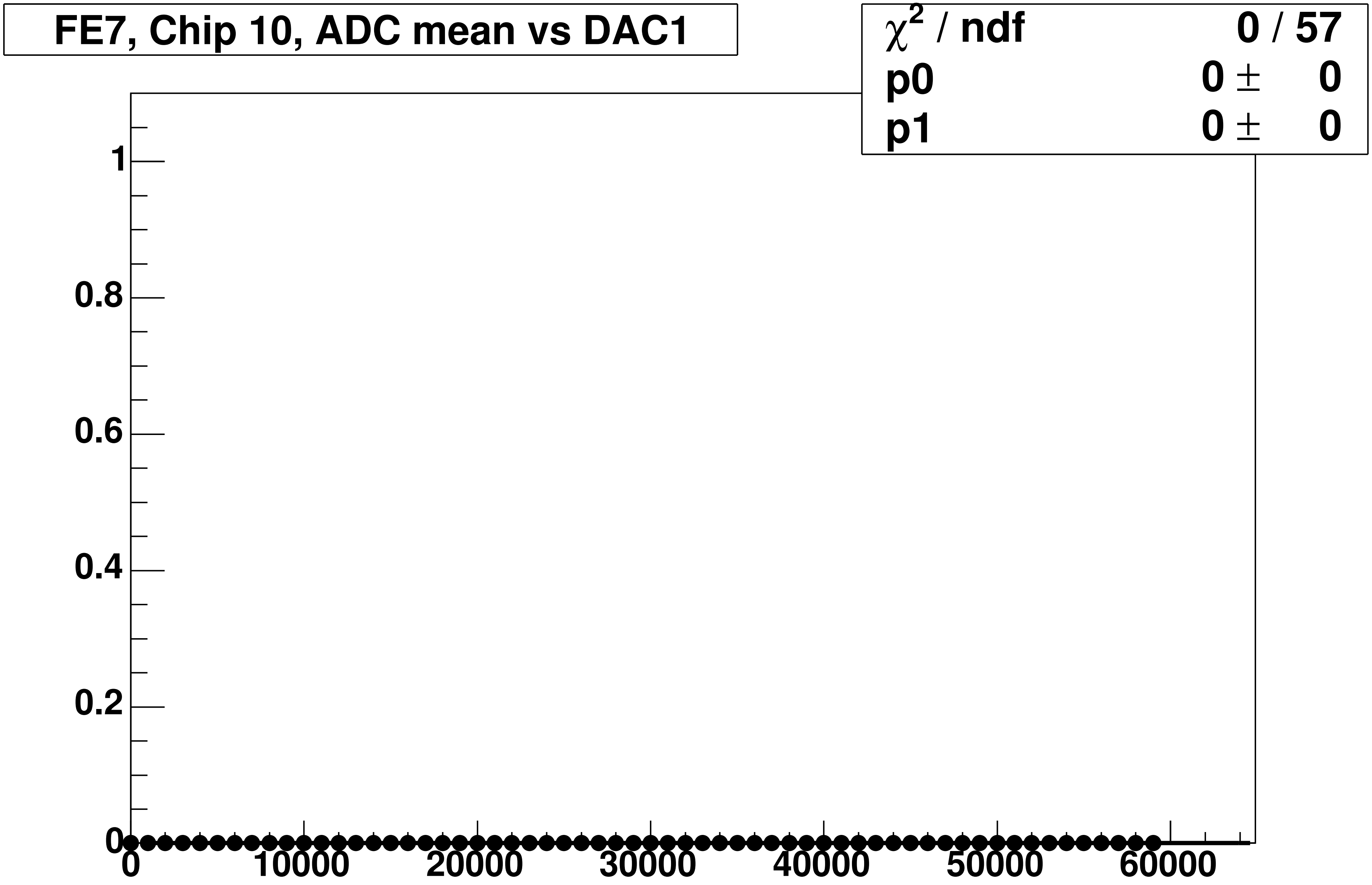

FE7, Chip 9, ADC noise vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000

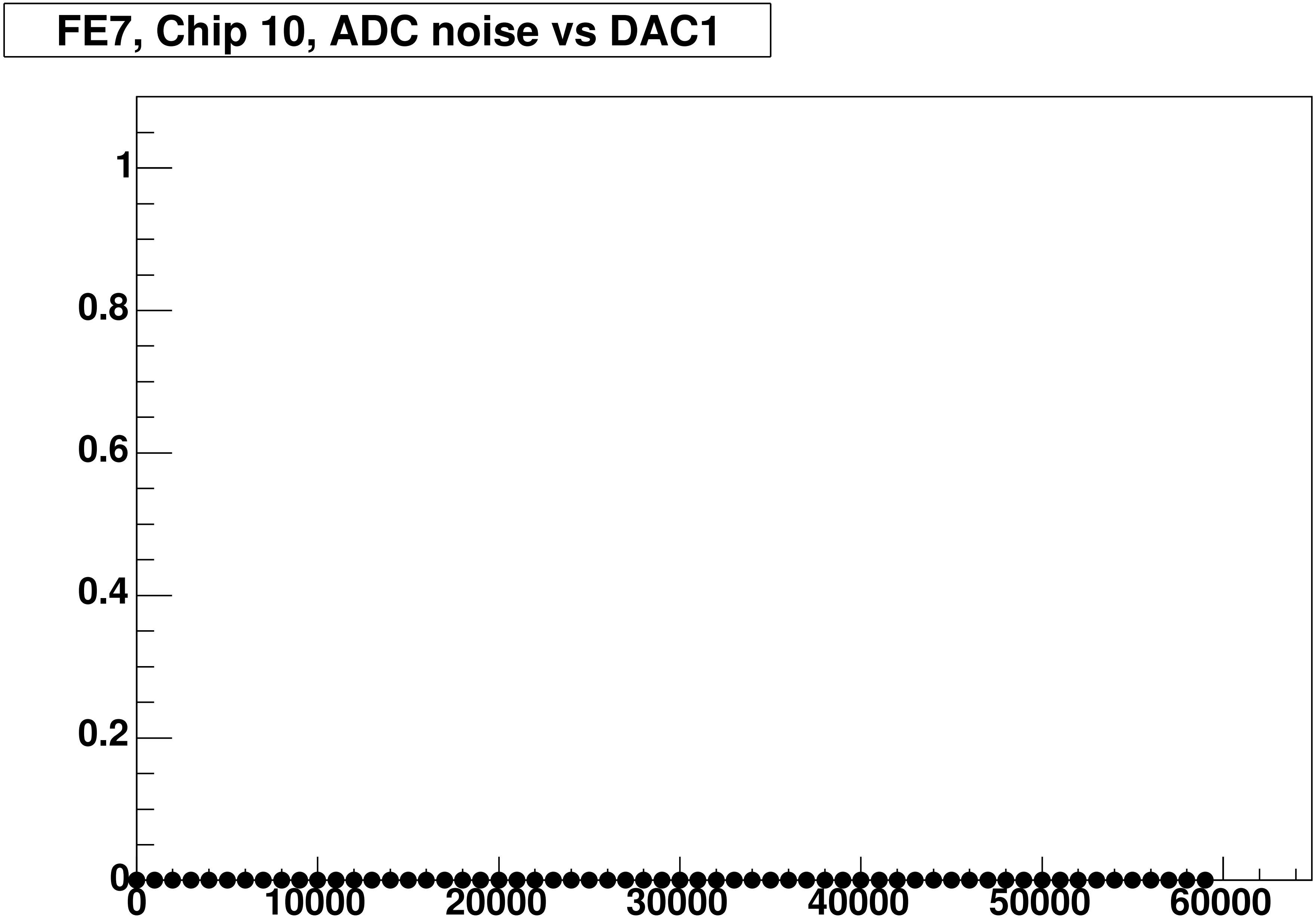

FE7, Chip 9, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

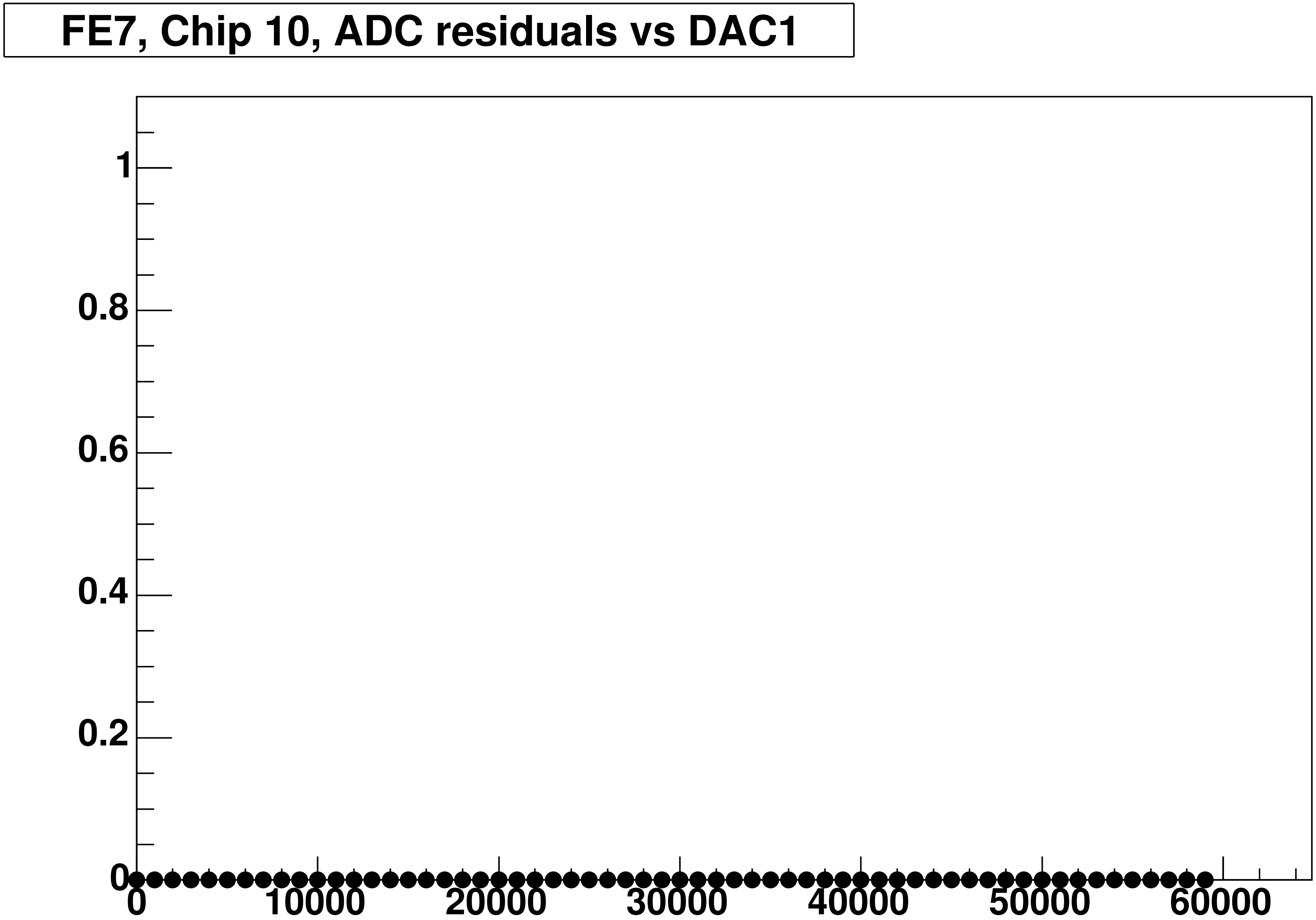

FE7, Chip 10, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

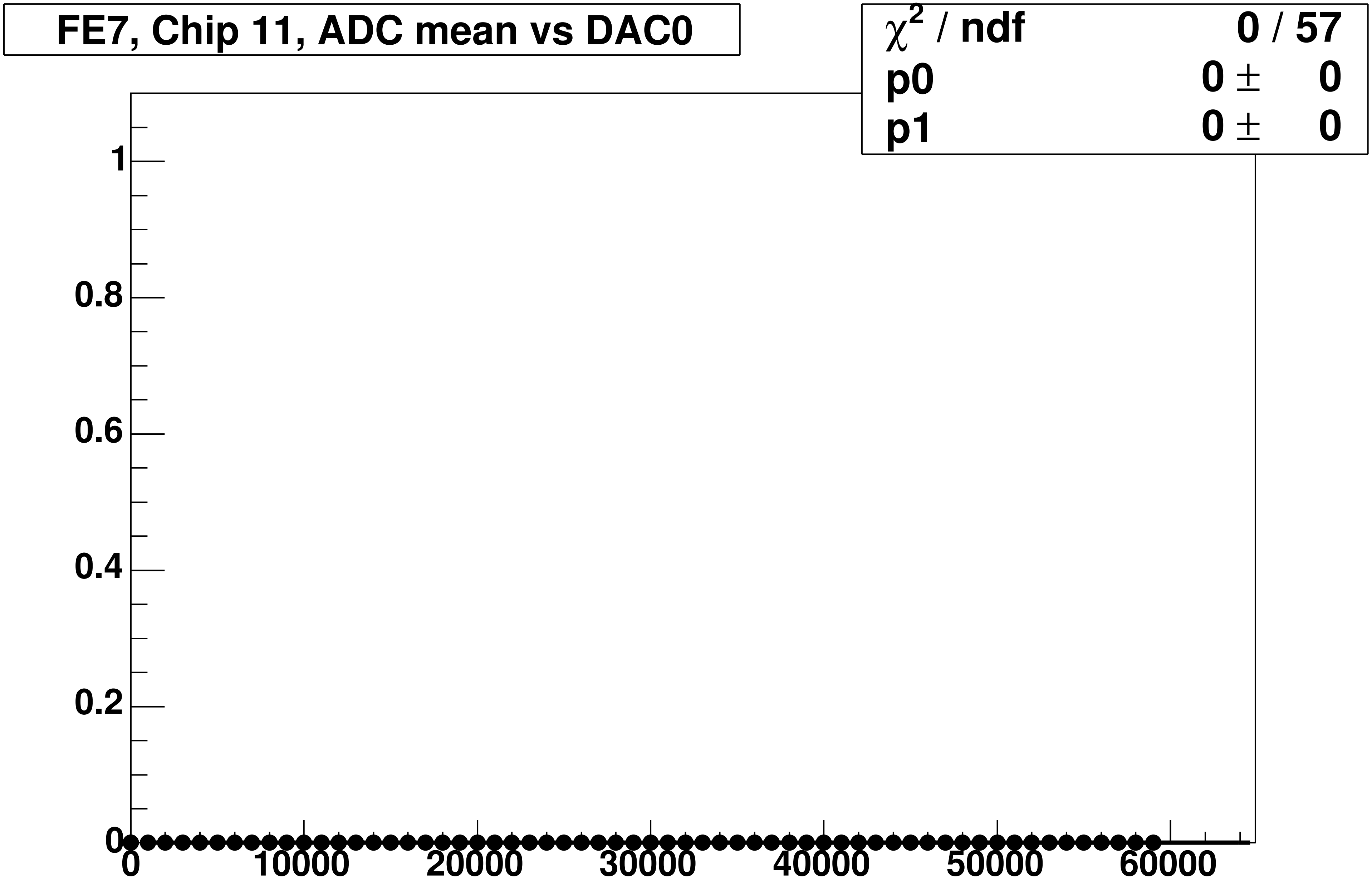

FE7, Chip 10, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

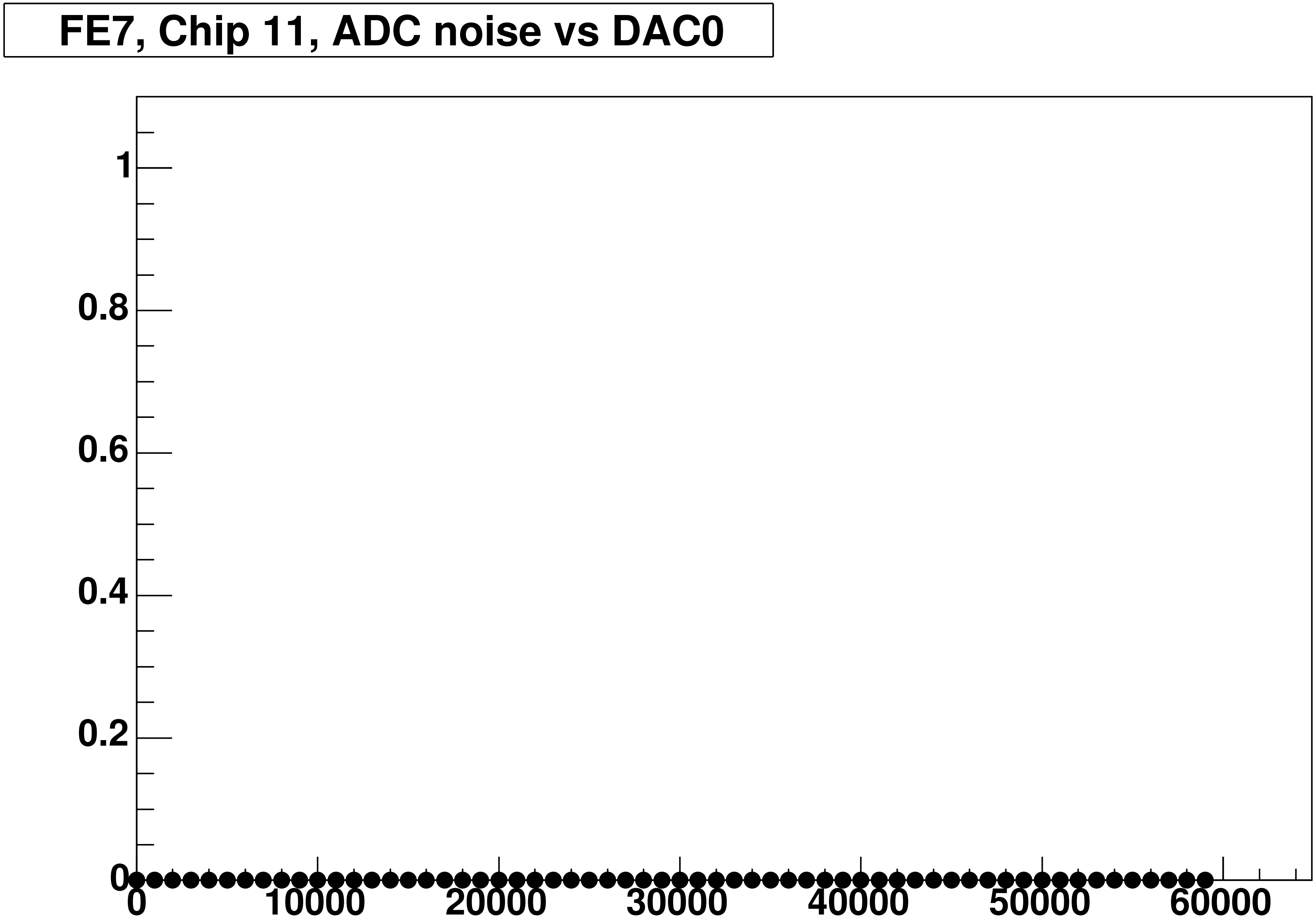

FE7, Chip 10, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

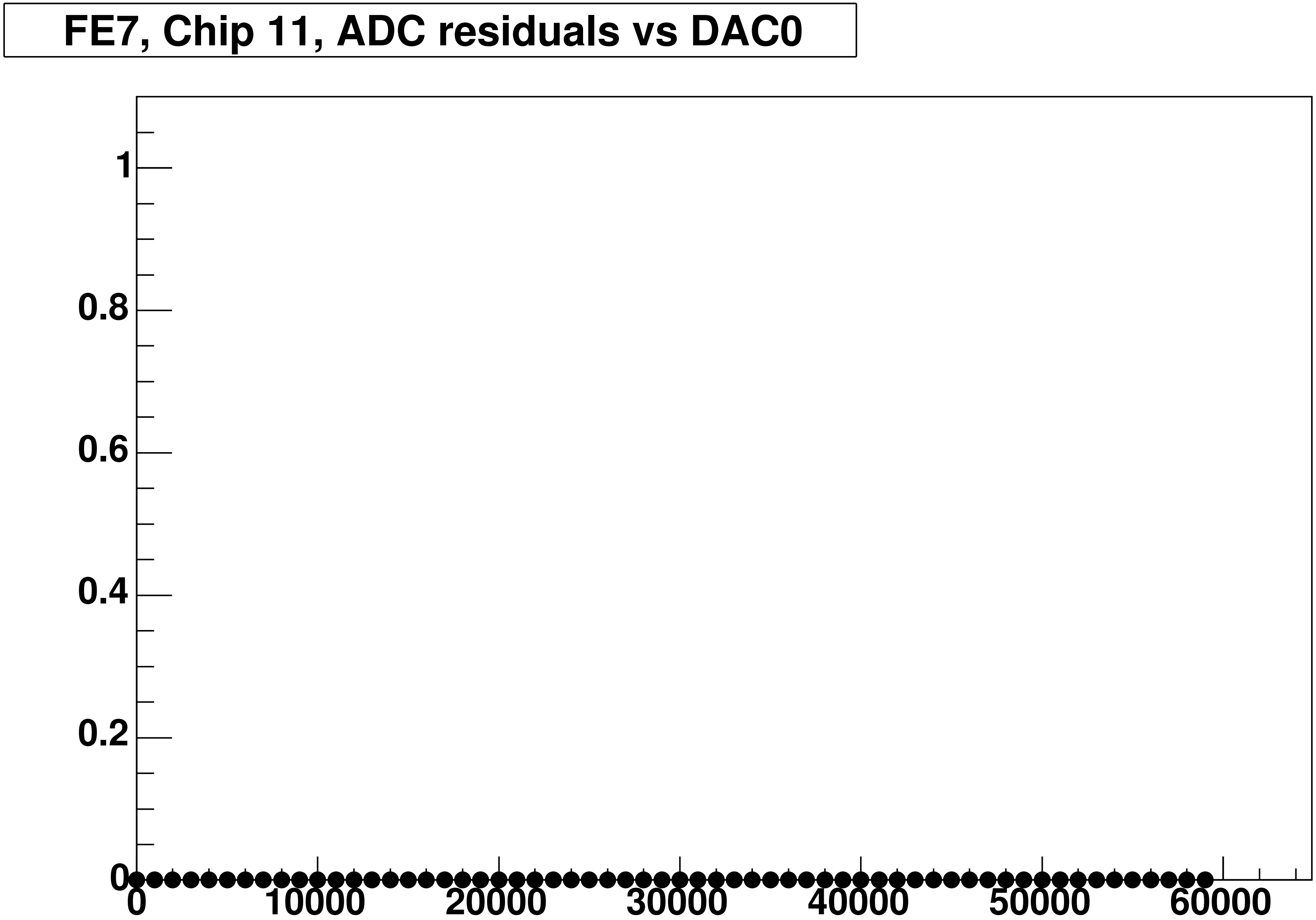

FE7, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 10, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

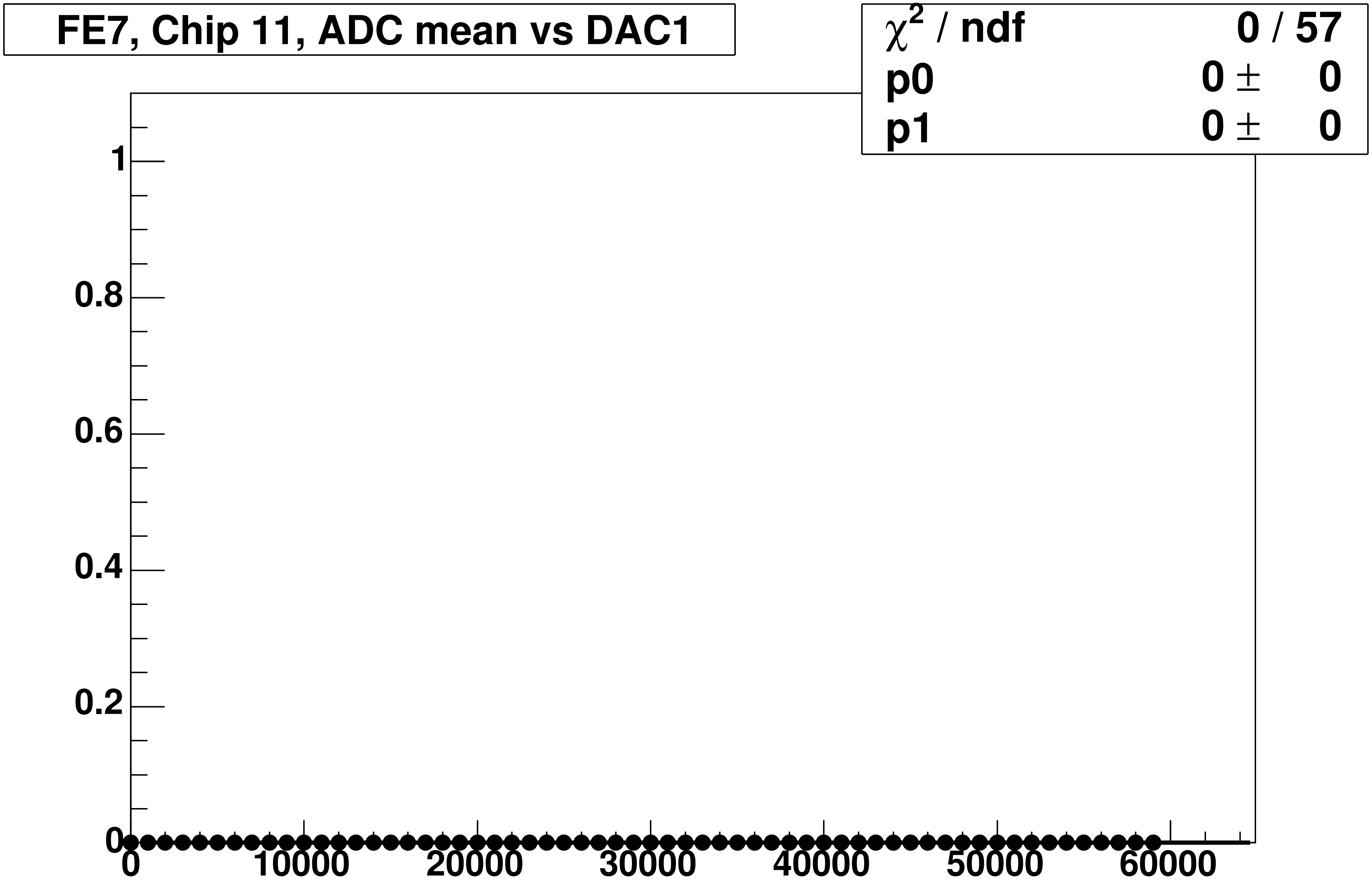

FE7, Chip 10, ADC residuals vs DAC1
0
0.2
0.4
0.6
0.8
1
0
10000
20000
30000
40000
50000
60000


FE7, Chip 11, ADC mean vs DAC0
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

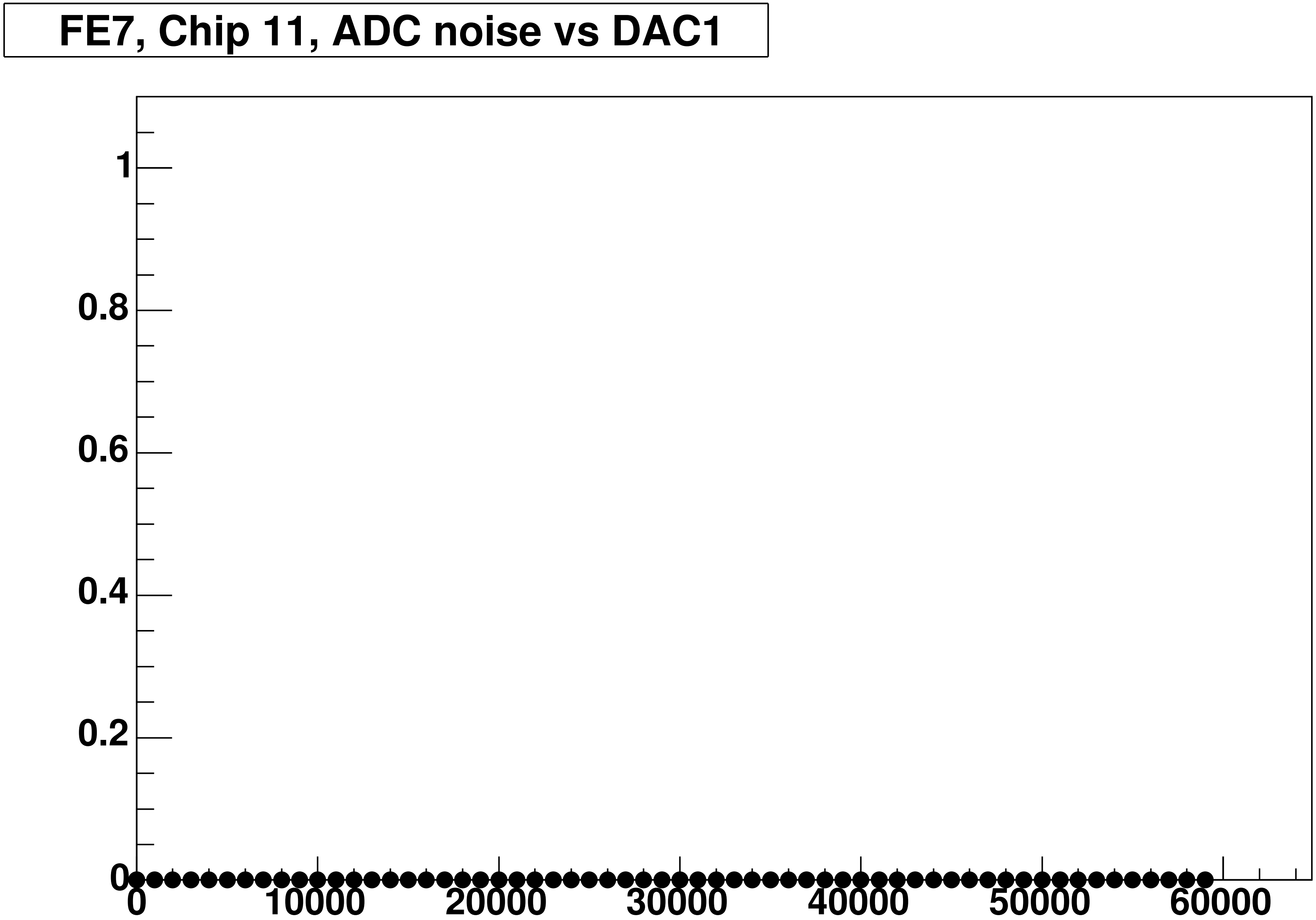

FE7, Chip 11, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



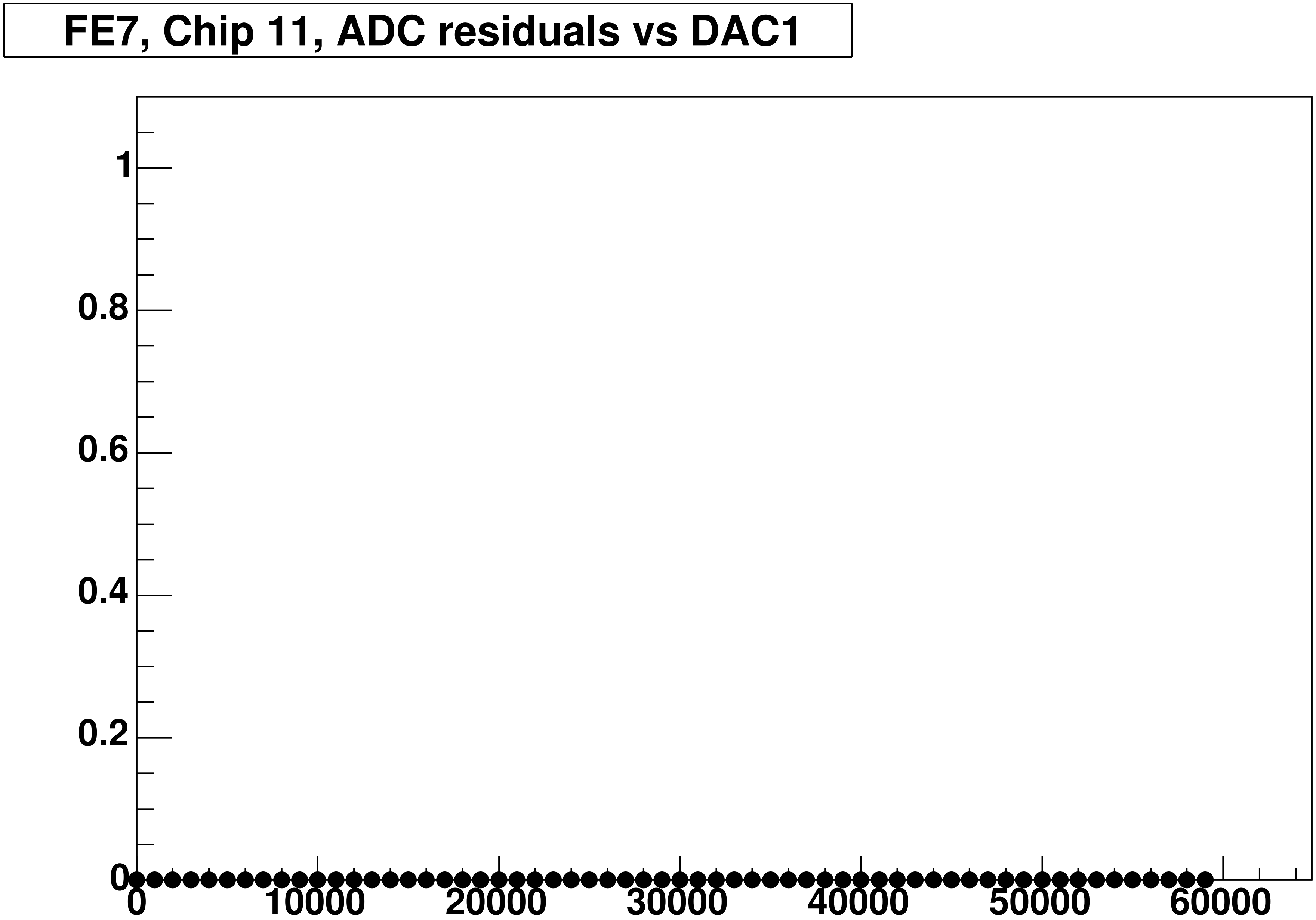
FE7, Chip 11, ADC residuals vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

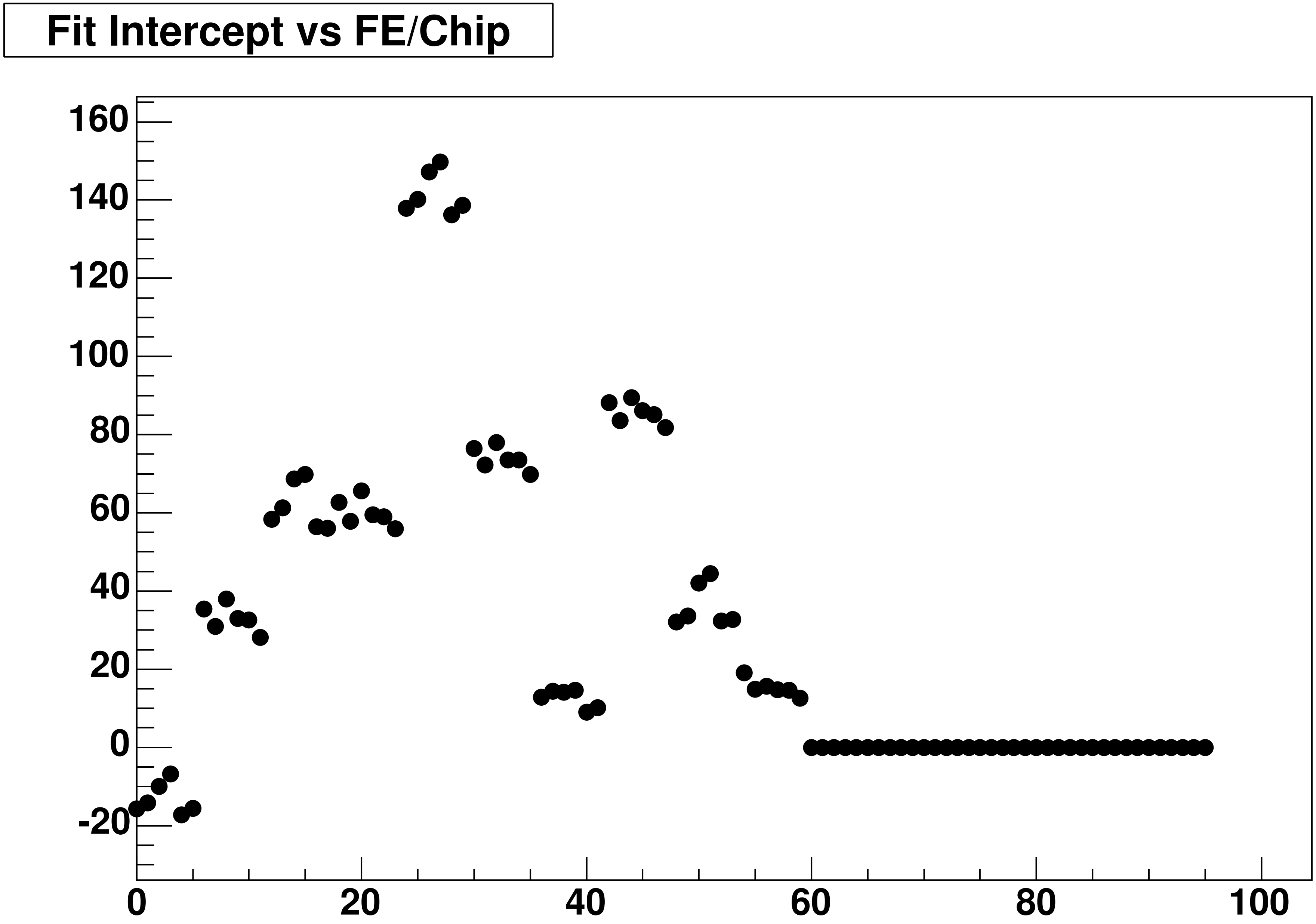


FE7, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0 / 57
p0 0 ± 0
p1 0 ± 0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

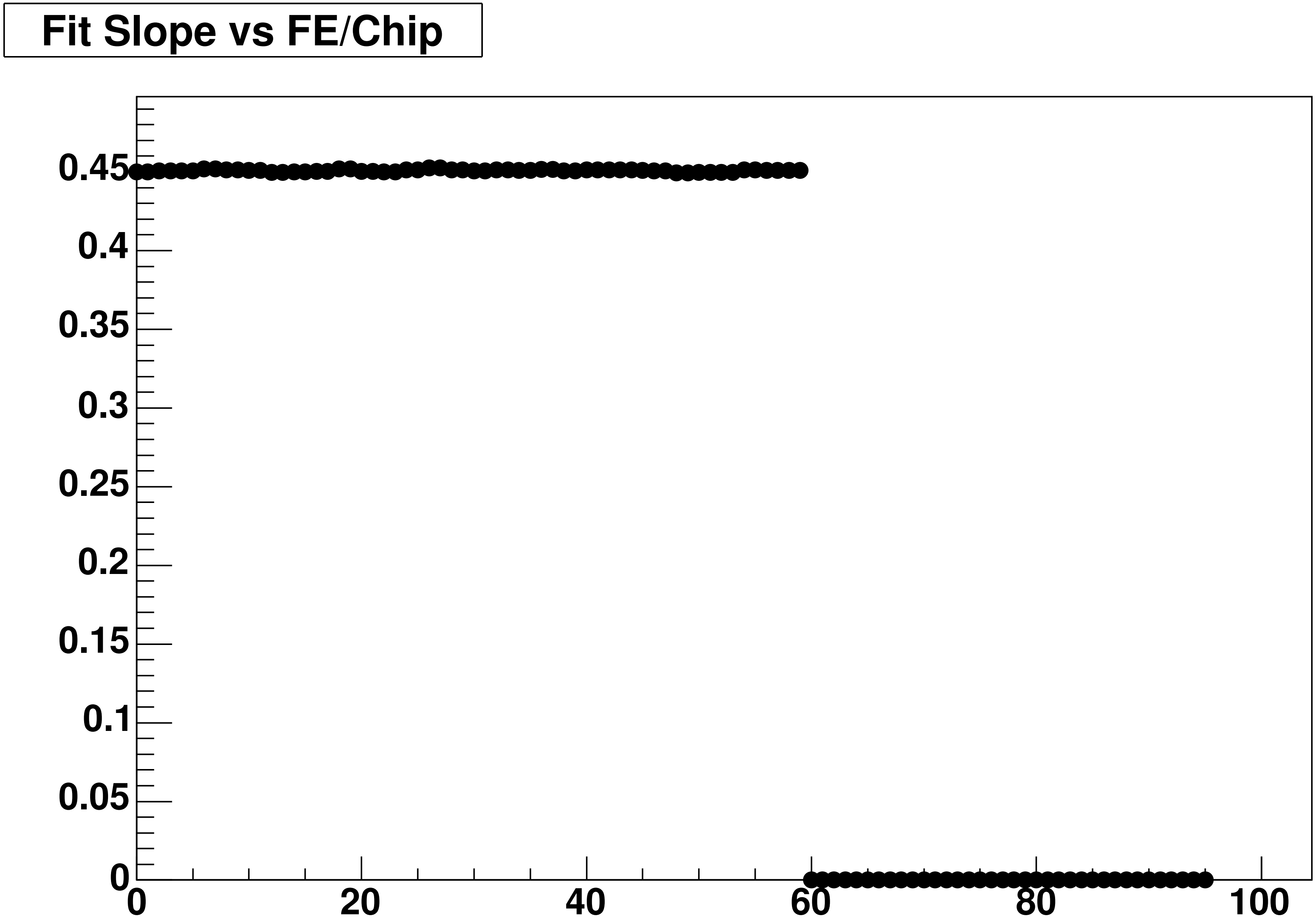


FE7, Chip 11, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 11, ADC residuals vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



Fit Intercept vs FE/Chip
160
140
120
100
80
60
40
20
0
-20
0
20
40
60
80
100


Fit Slope vs FE/Chip
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100