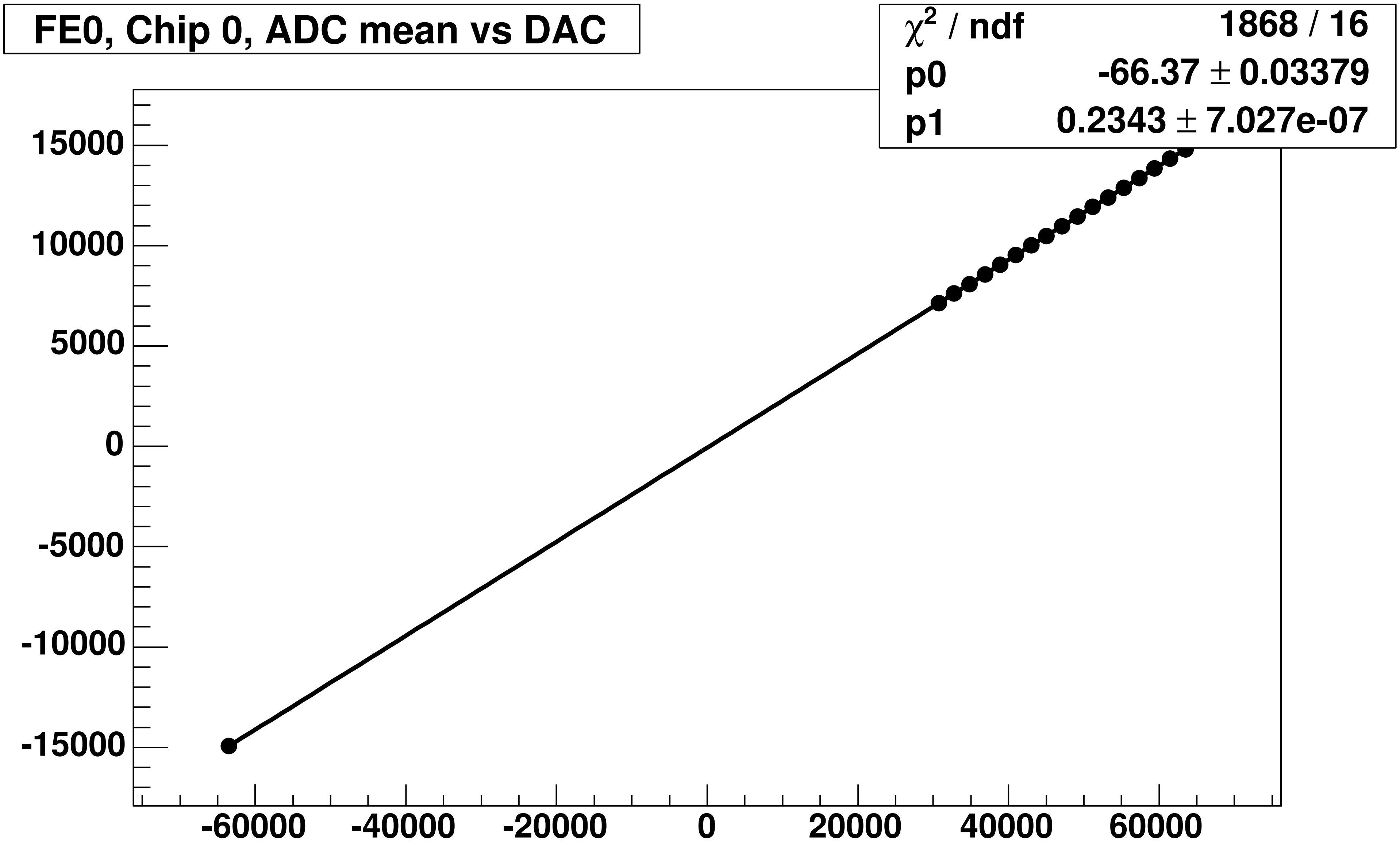
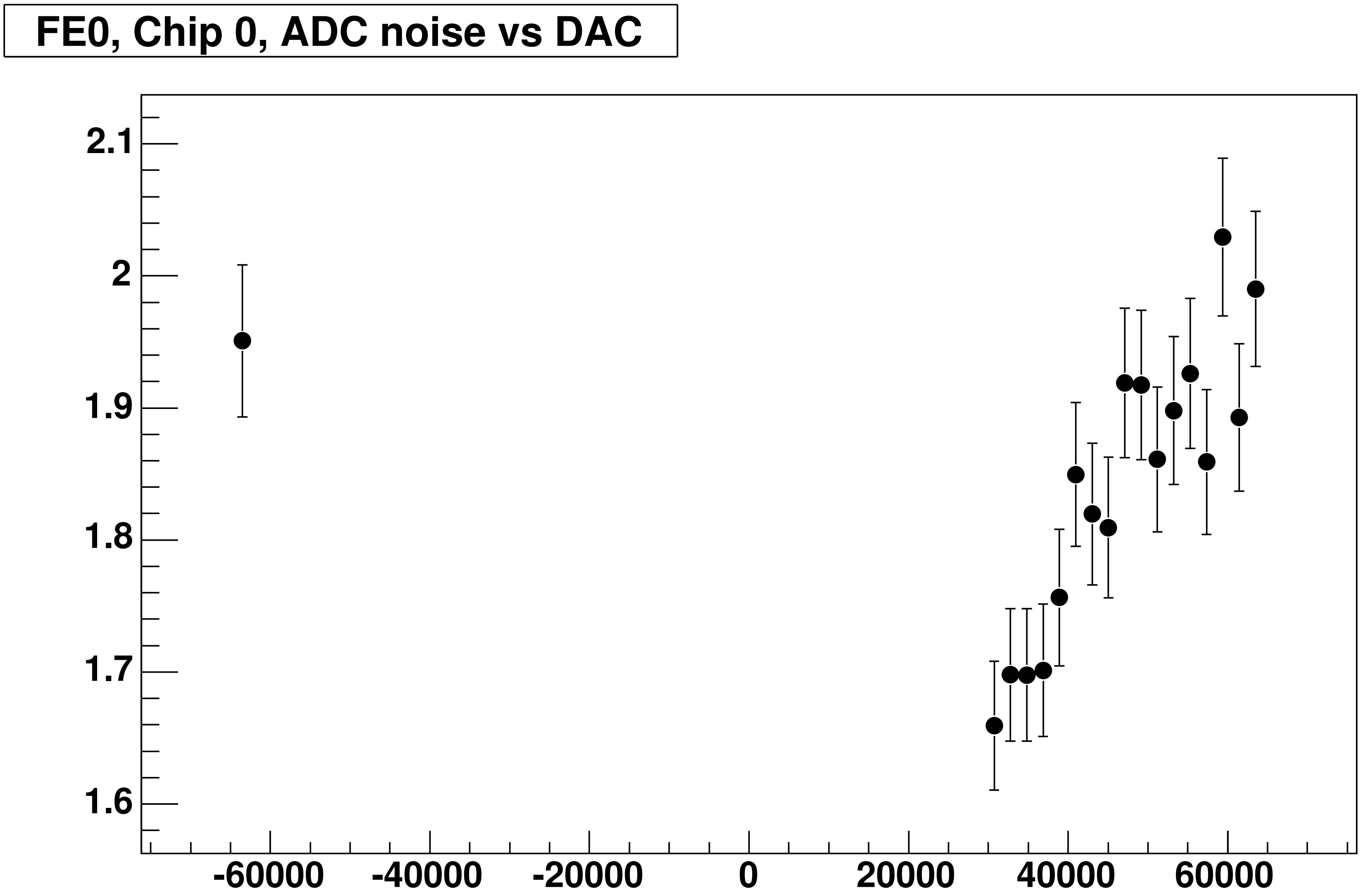
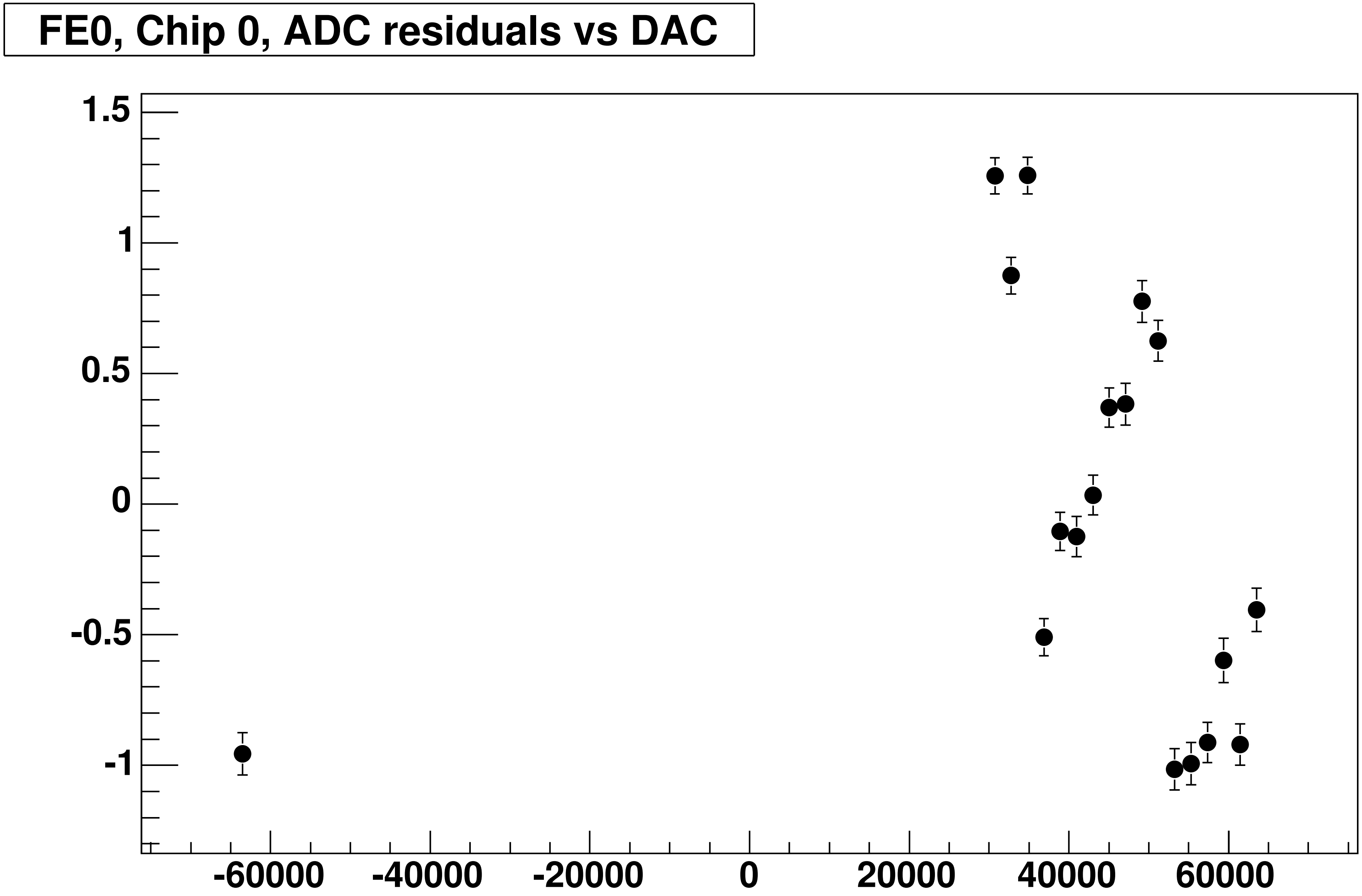
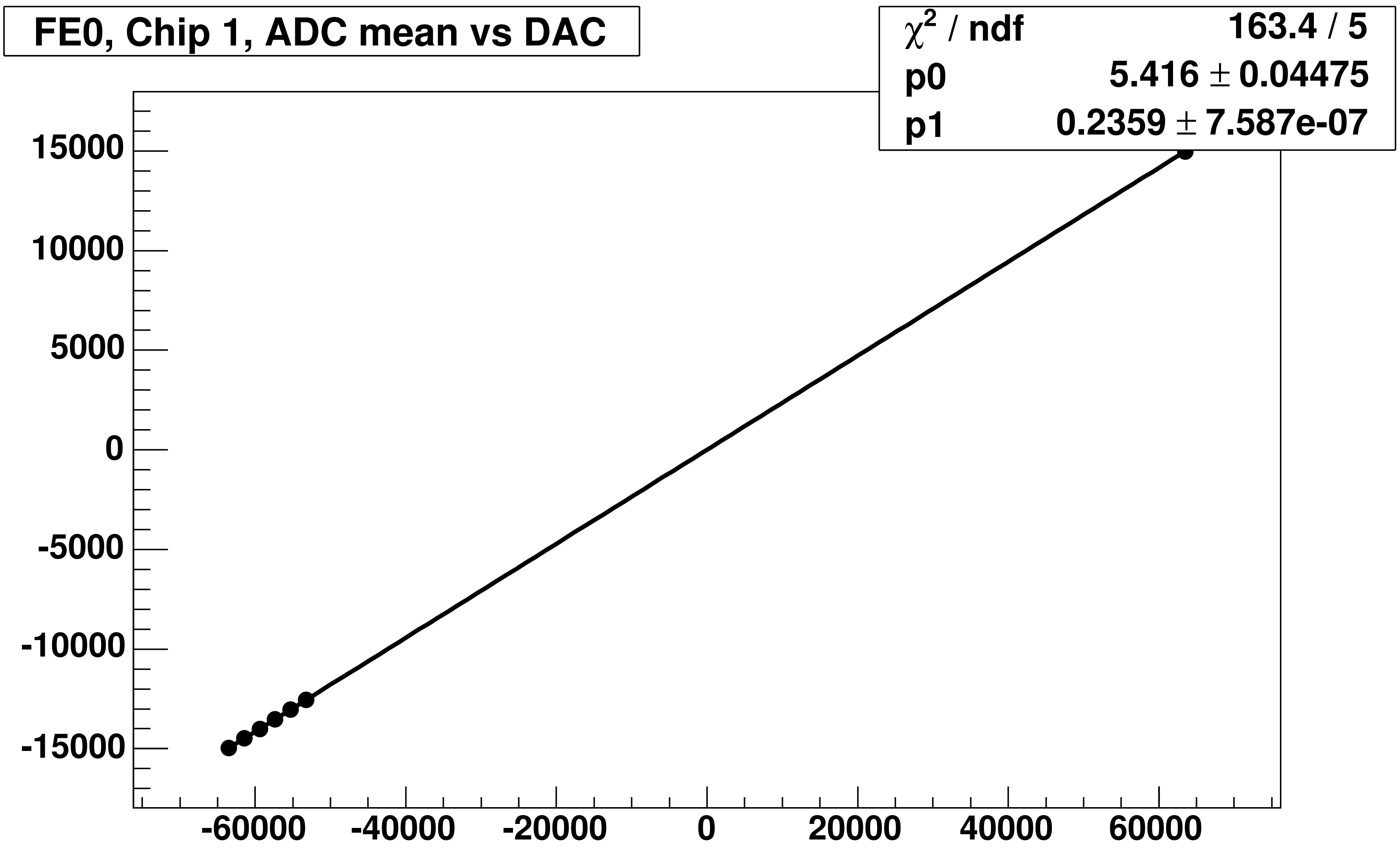
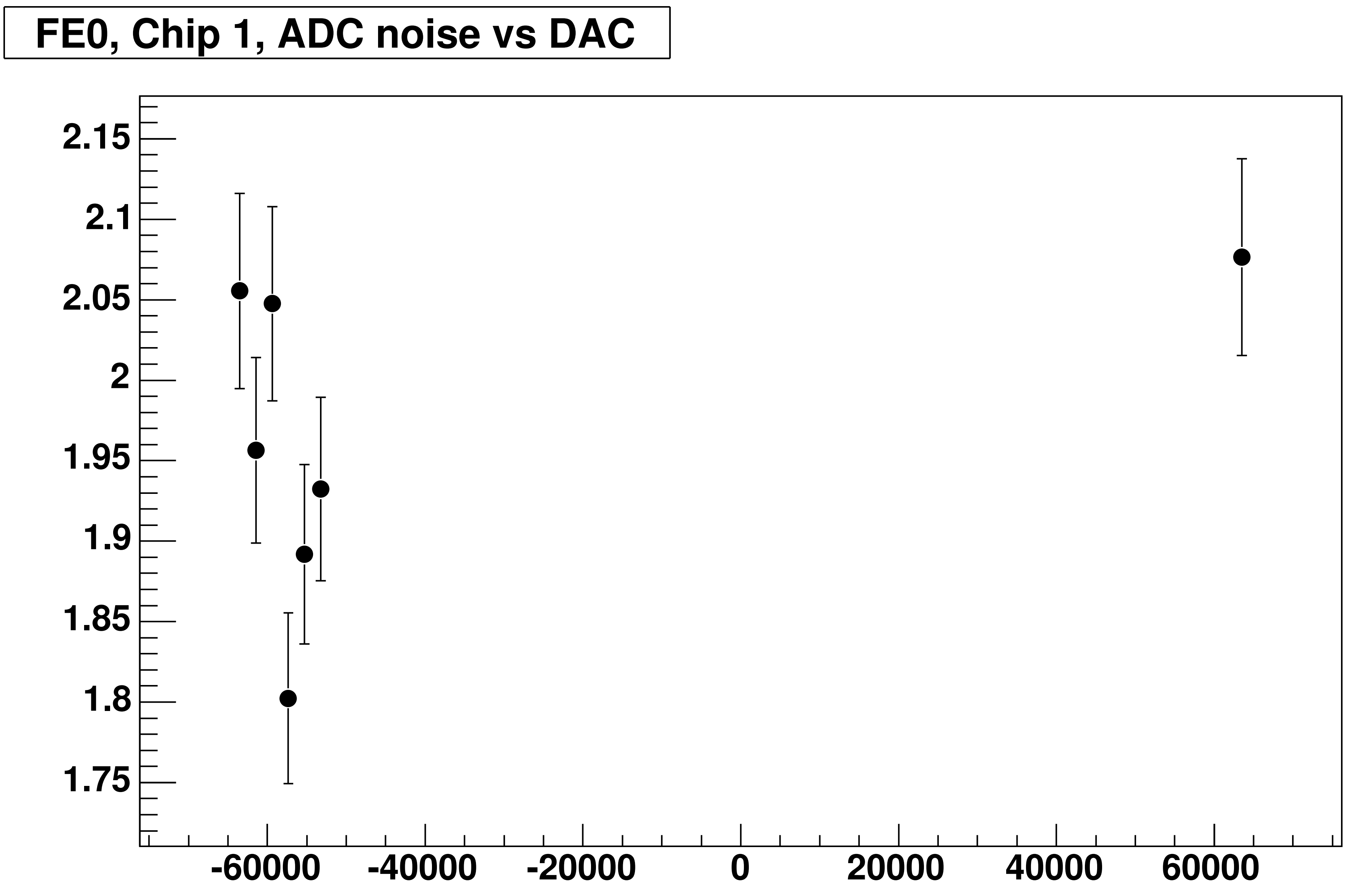
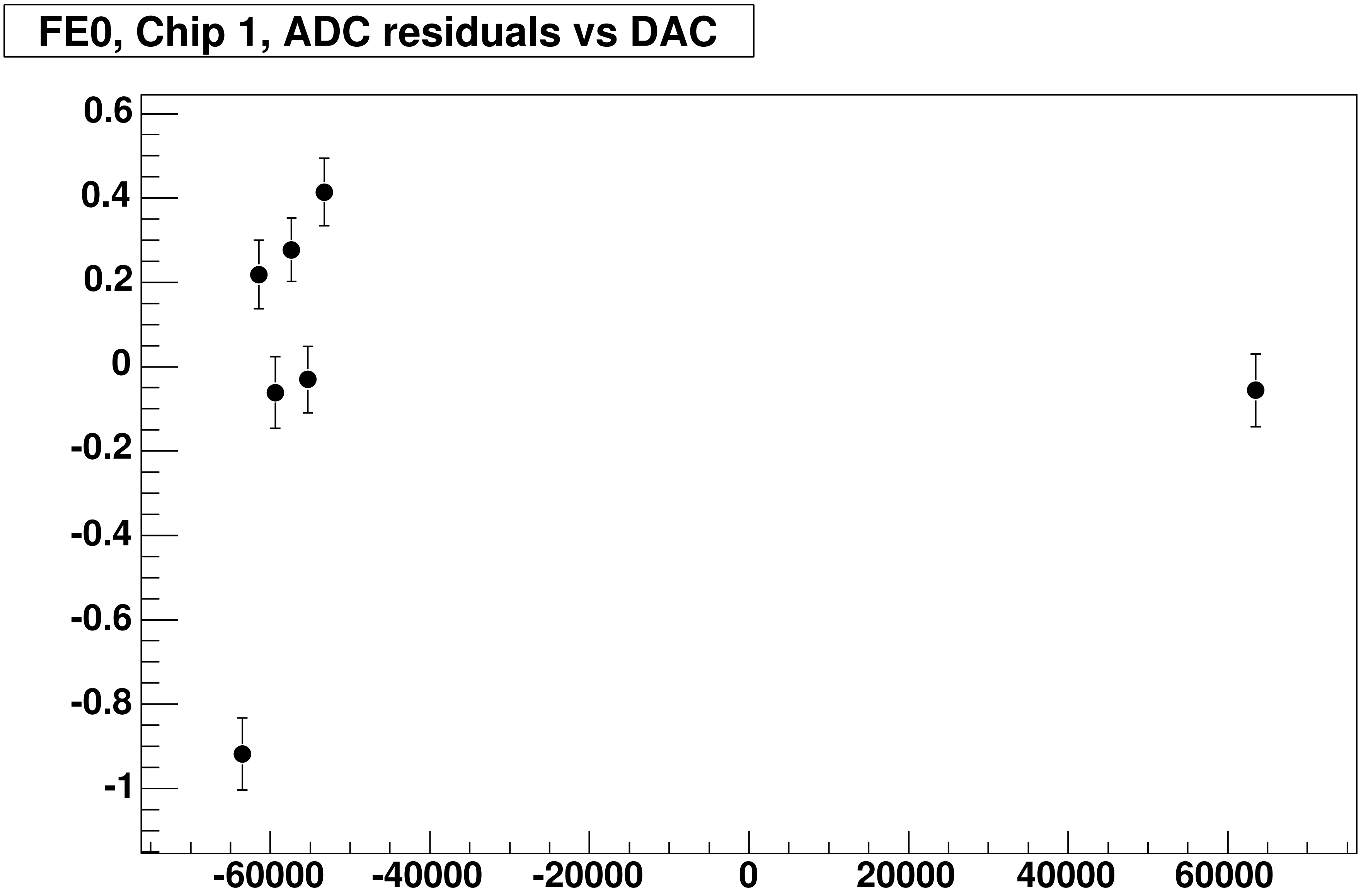

FE0, Chip 0, ADC mean vs DAC
χ^2 / ndf 1868 / 16
p0 -66.37 ± 0.03379
p1 0.2343 ± 7.027e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

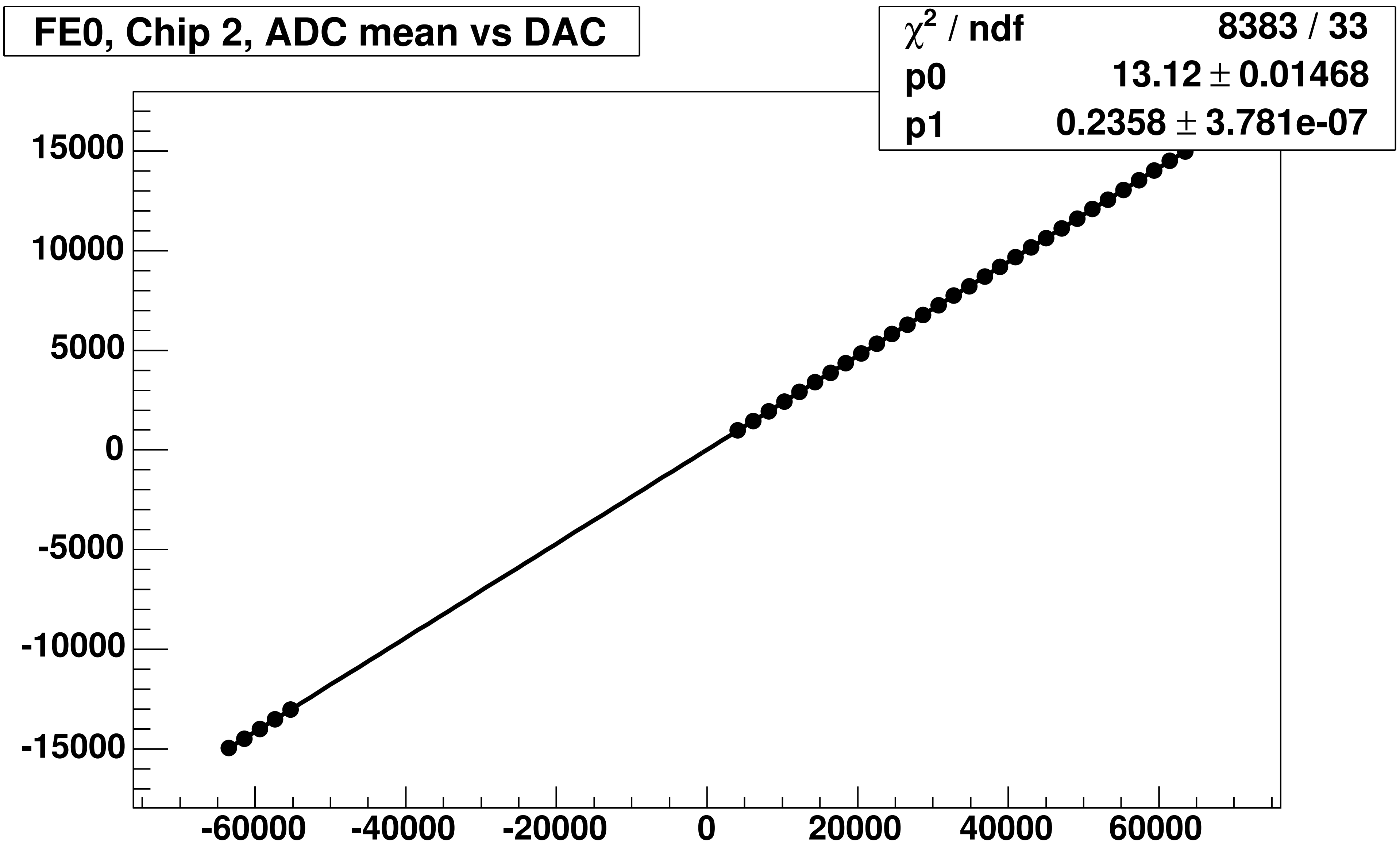

FE0, Chip 0, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
-60000
-40000
-20000
0
20000
40000
60000

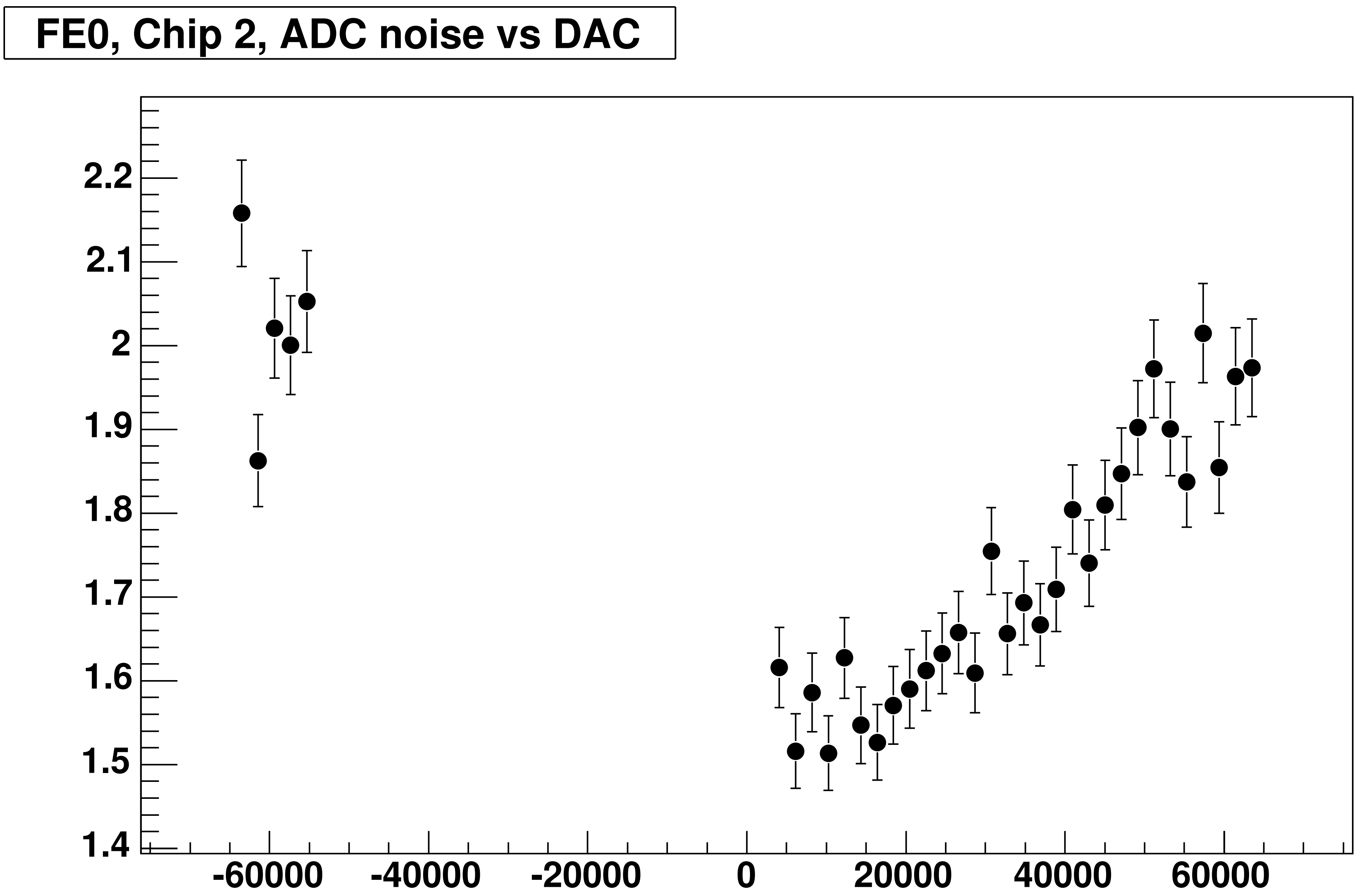

FE0, Chip 0, ADC residuals vs DAC
1.5
1
0.5
0
-0.5
-1
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 1, ADC mean vs DAC
χ^2 / ndf 163.4 / 5
p0 5.416 ± 0.04475
p1 0.2359 ± 7.587e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

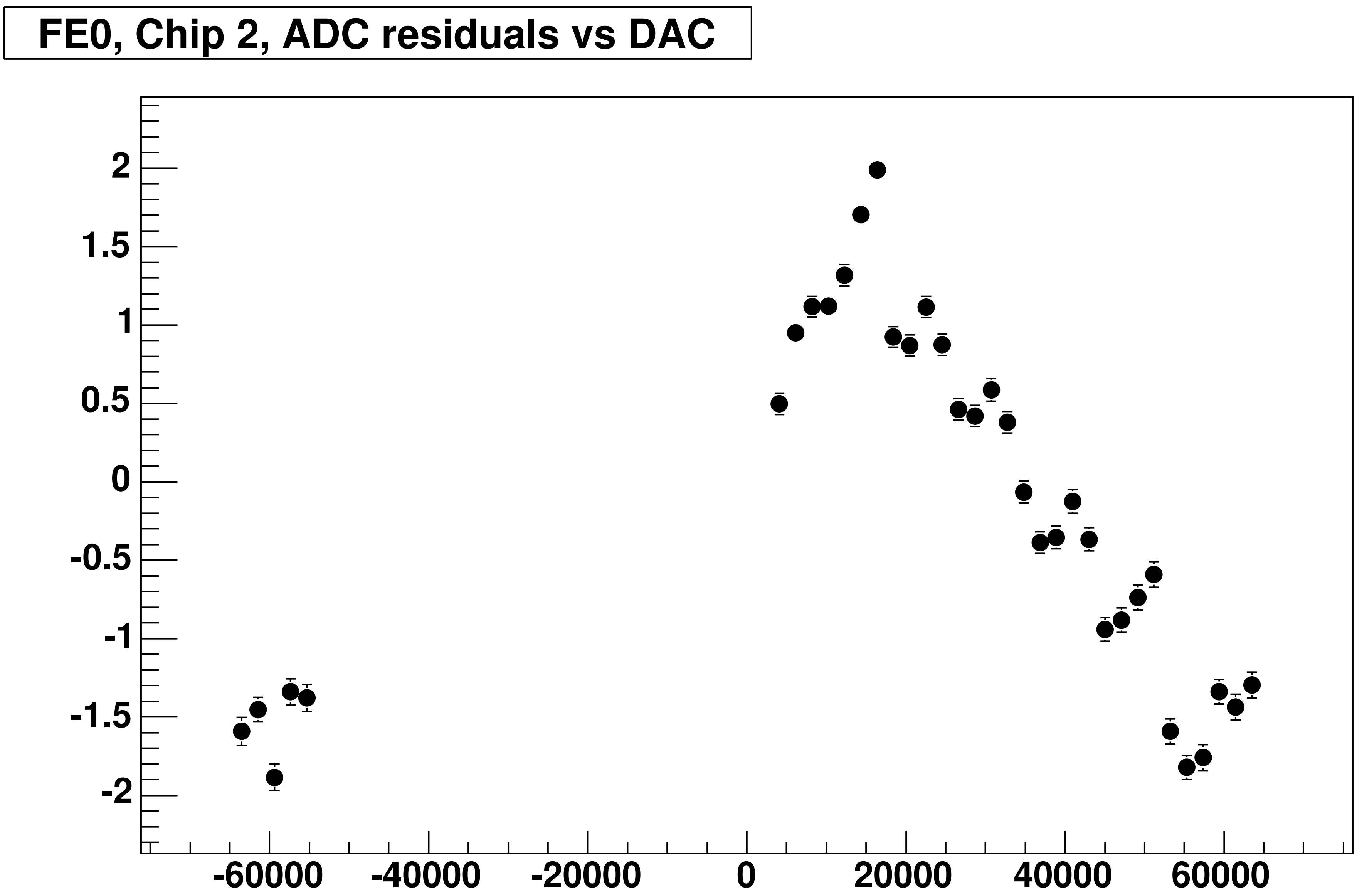

FE0, Chip 1, ADC noise vs DAC
2.15
2.1
2.05
2
1.95
1.9
1.85
1.8
1.75
-60000
-40000
-20000
0
20000
40000
60000

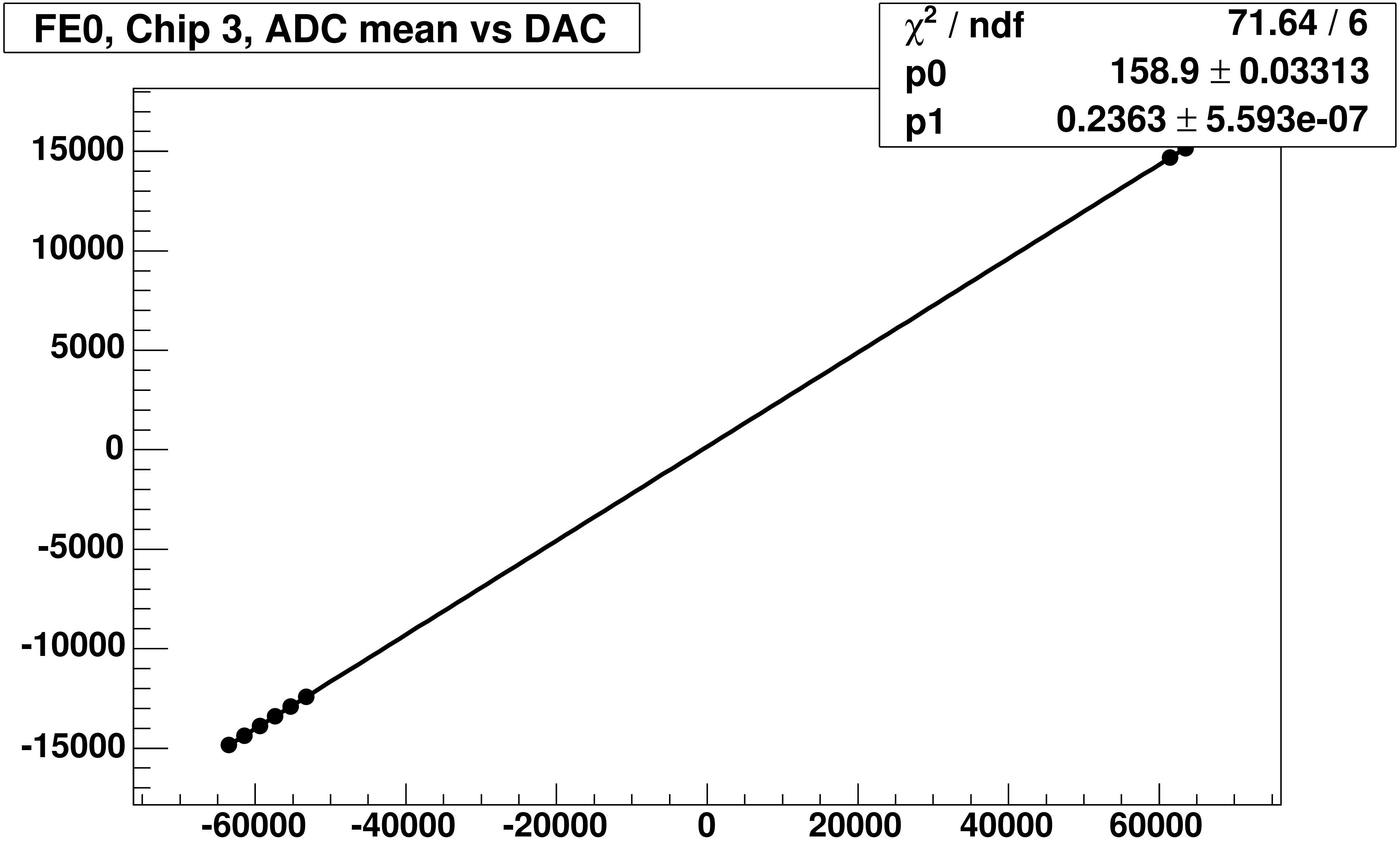

FE0, Chip 1, ADC residuals vs DAC
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 2, ADC mean vs DAC
χ^2 / ndf 8383 / 33
p0 13.12 ± 0.01468
p1 0.2358 ± 3.781e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

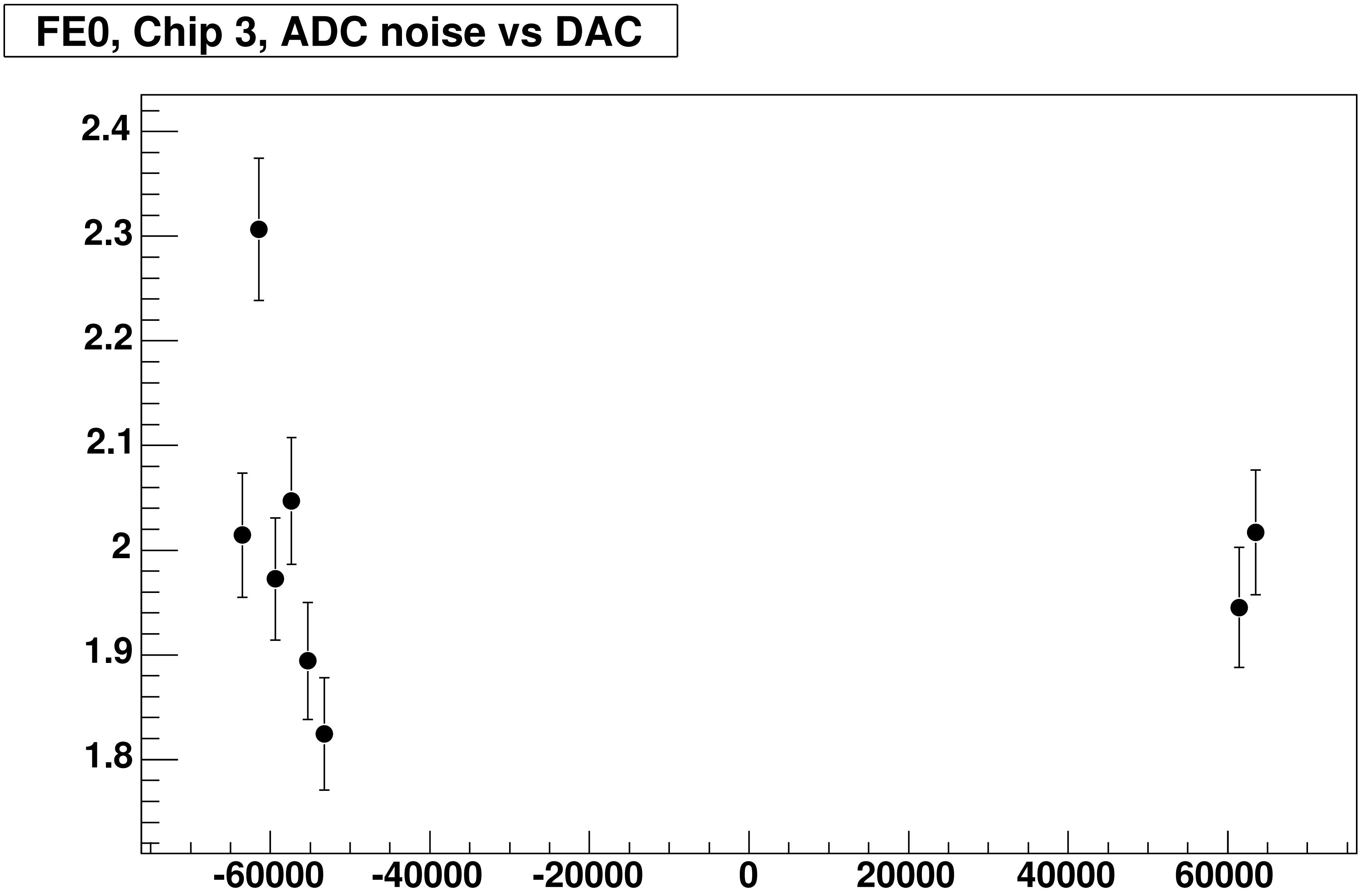


FE0, Chip 2, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

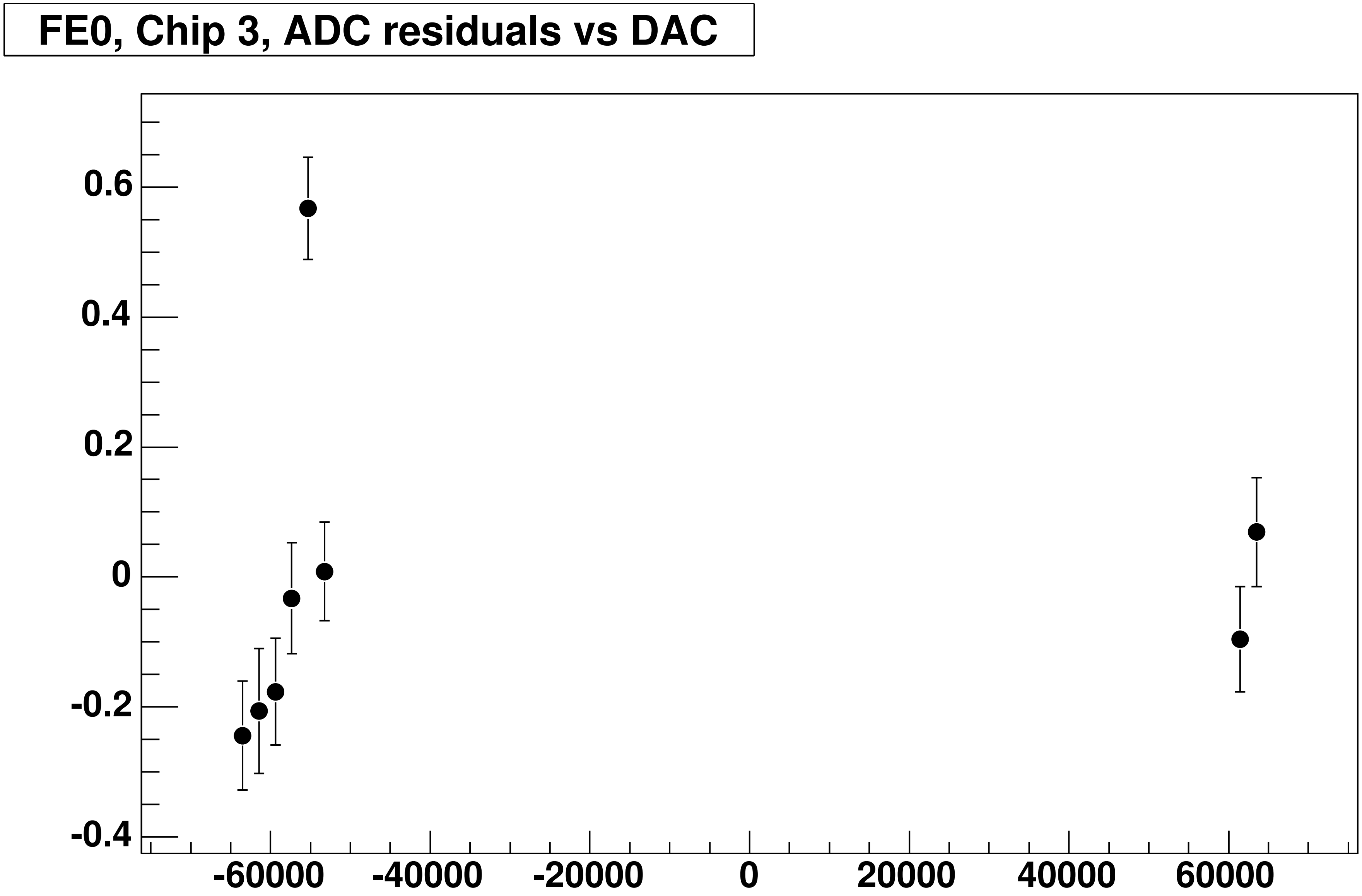

FE0, Chip 2, ADC residuals vs DAC
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-60000
-40000
-20000
0
20000
40000
60000

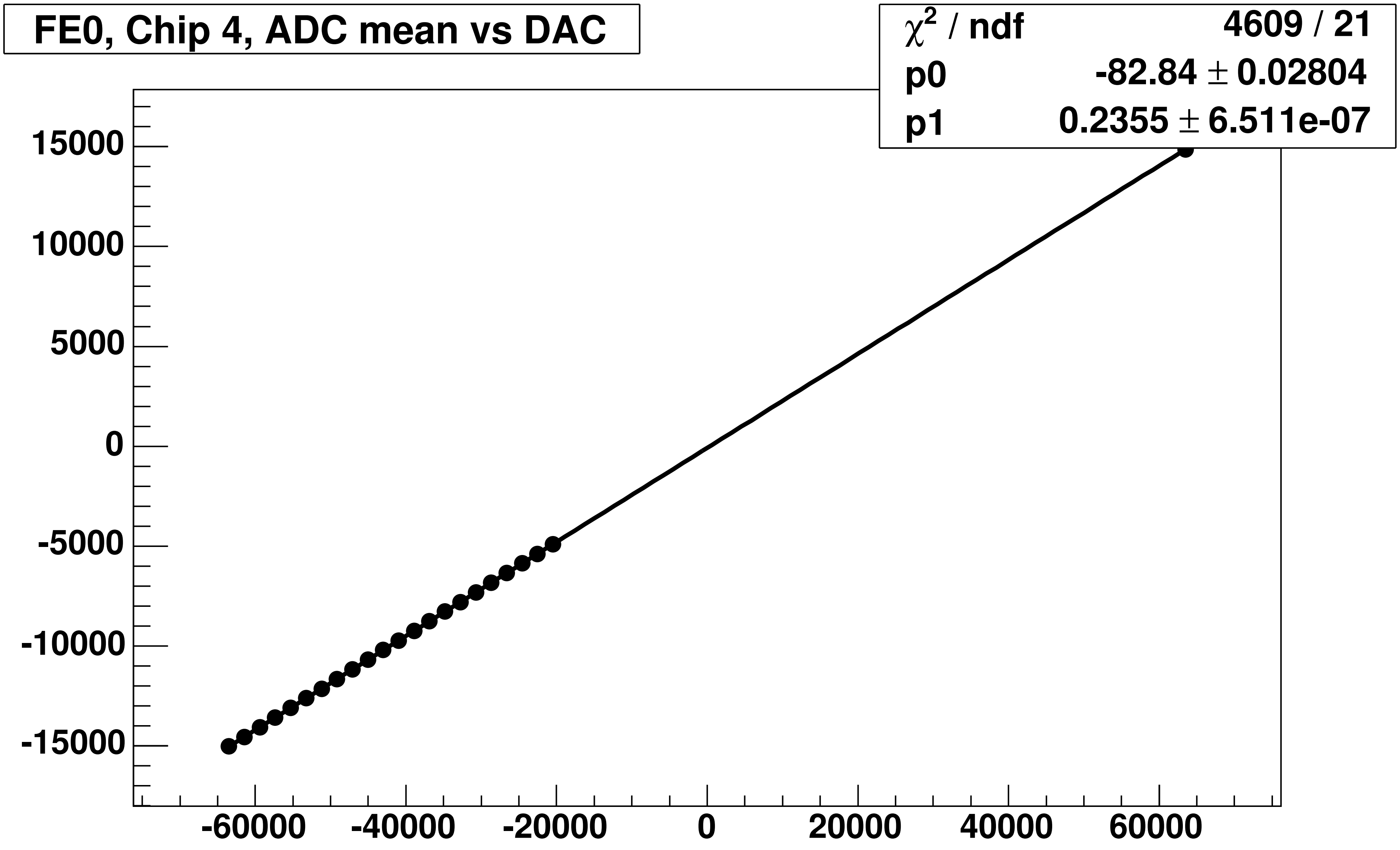


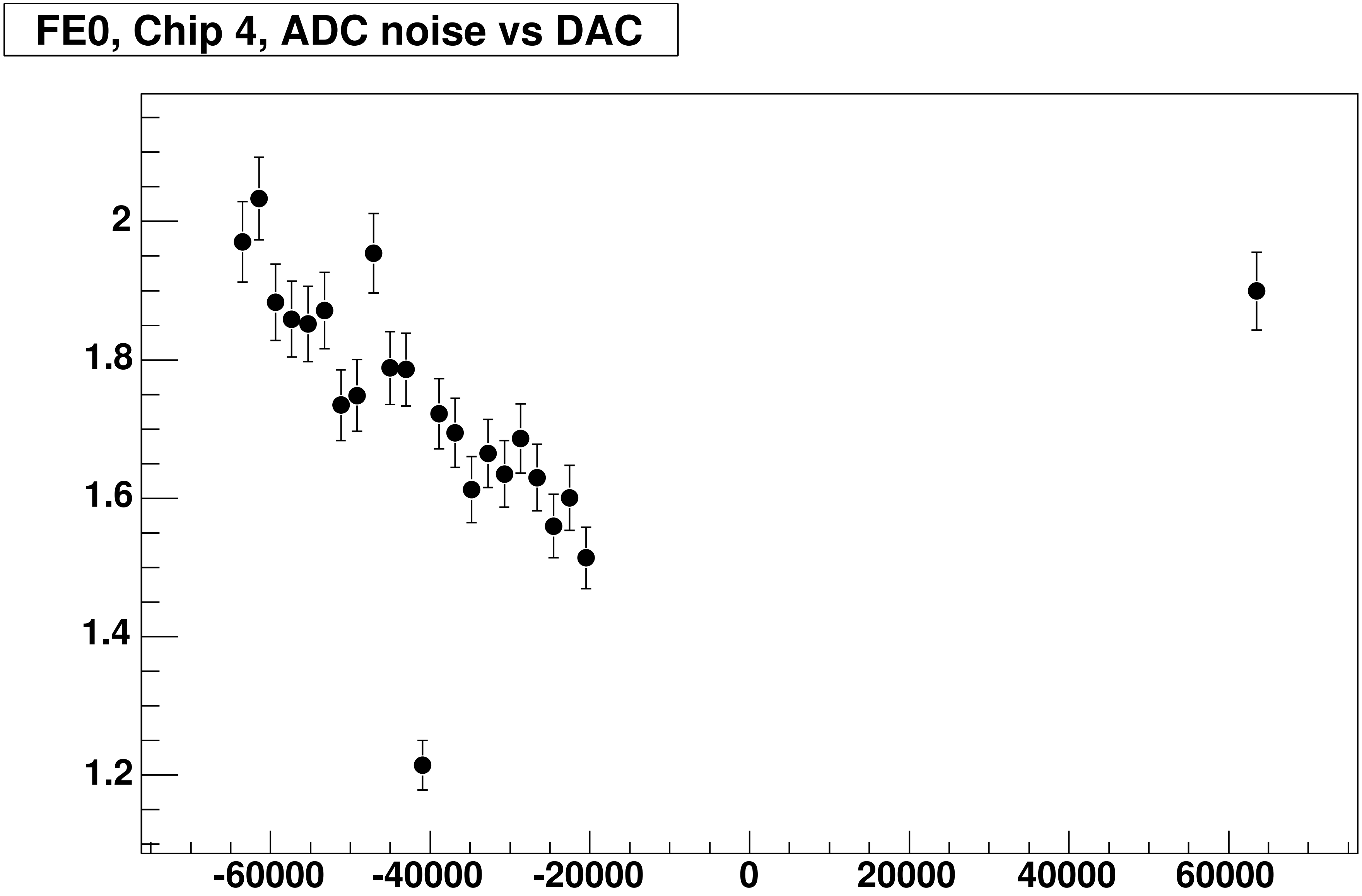
FE0, Chip 3, ADC mean vs DAC
χ^2 / ndf 71.64 / 6
p0 158.9 ± 0.03313
p1 0.2363 ± 5.593e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

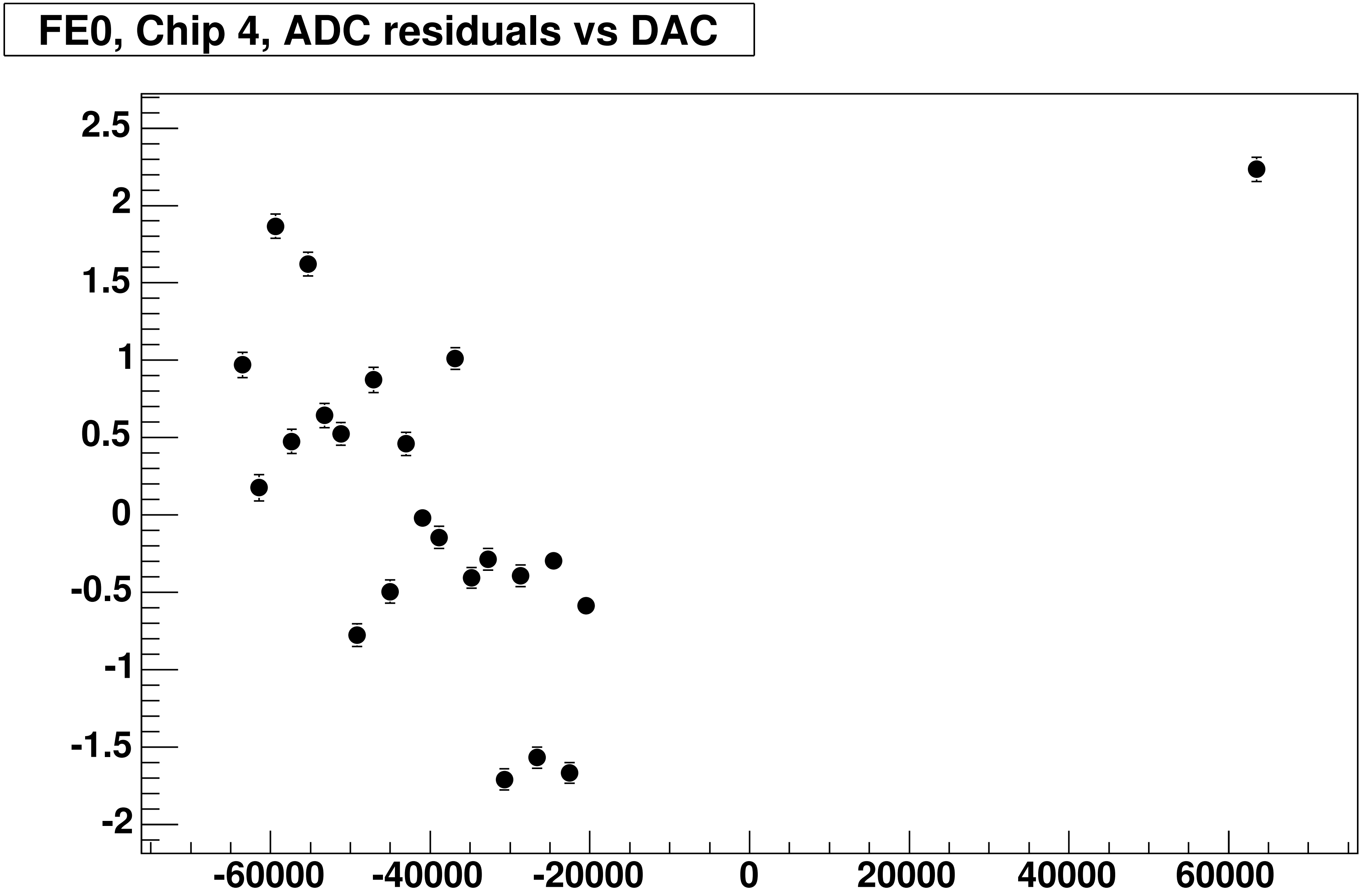


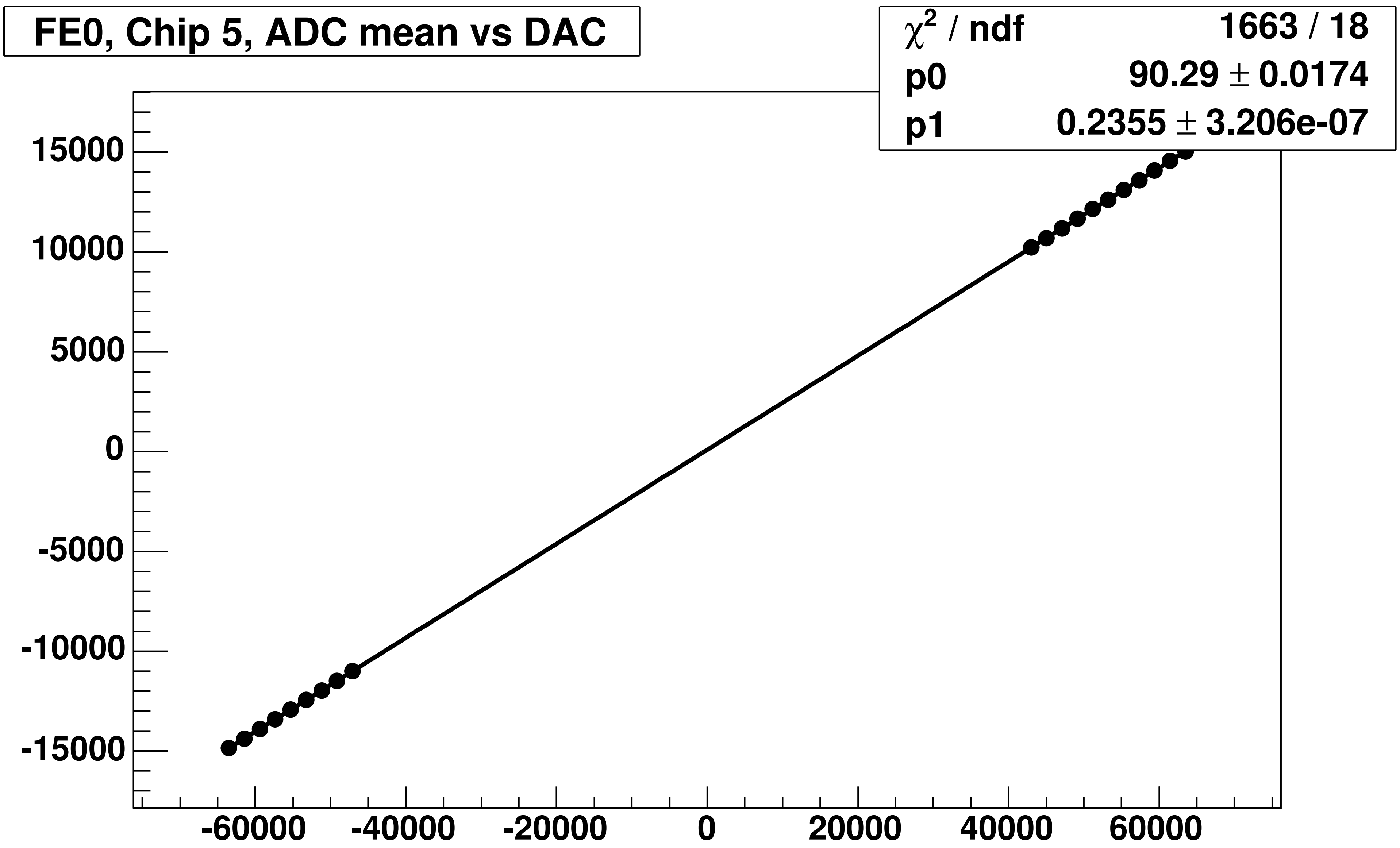
FE0, Chip 3, ADC noise vs DAC
2.4
2.3
2.2
2.1
2
1.9
1.8
-60000
-40000
-20000
0
20000
40000
60000

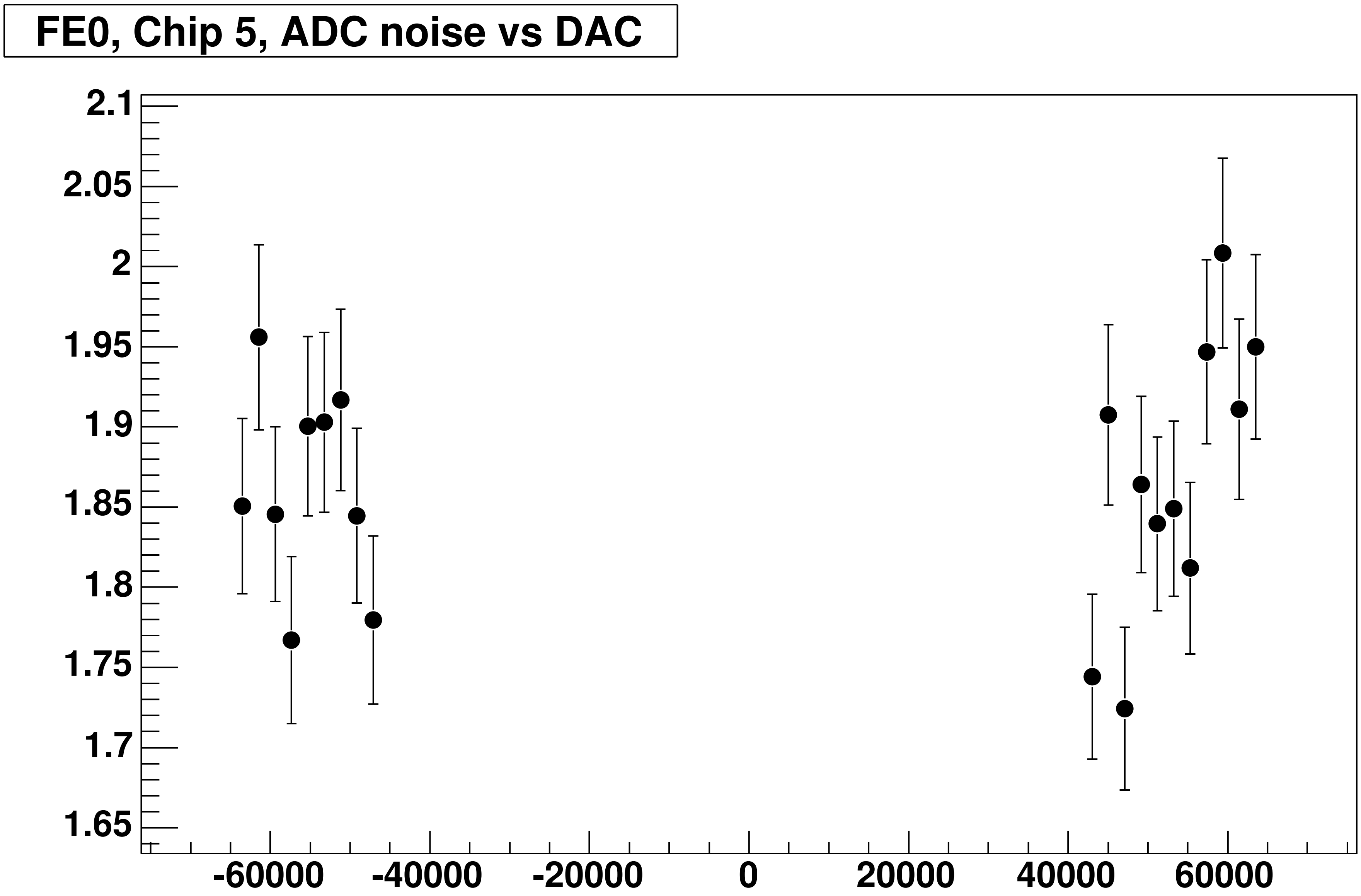

FE0, Chip 3, ADC residuals vs DAC
0.6
0.4
0.2
0
-0.2
-0.4
-60000
-40000
-20000
0
20000
40000
60000

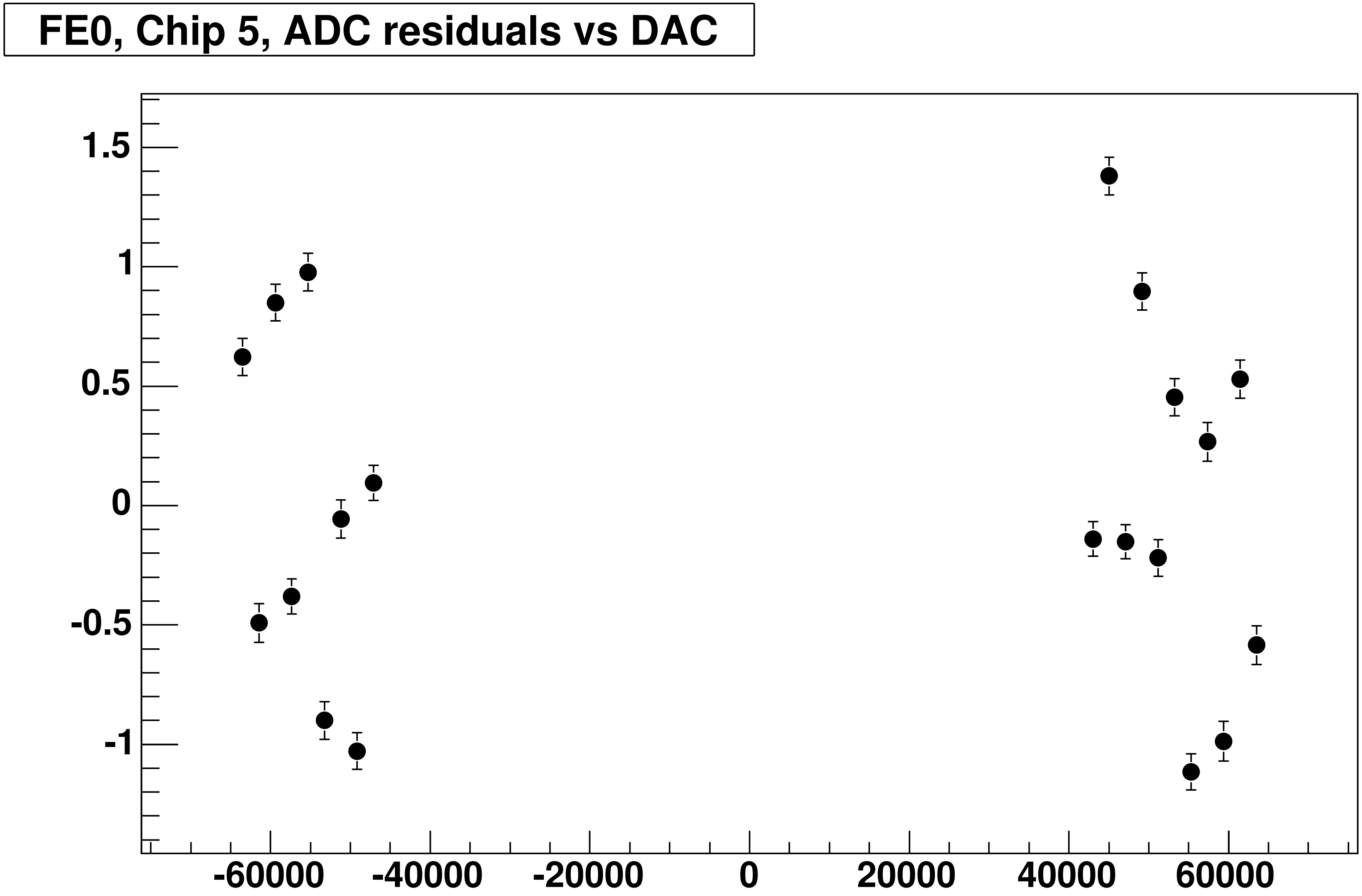

FE0, Chip 4, ADC mean vs DAC
χ2 / ndf 4609 / 21
p0 -82.84 ± 0.02804
p1 0.2355 ± 6.511e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 4, ADC noise vs DAC
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000

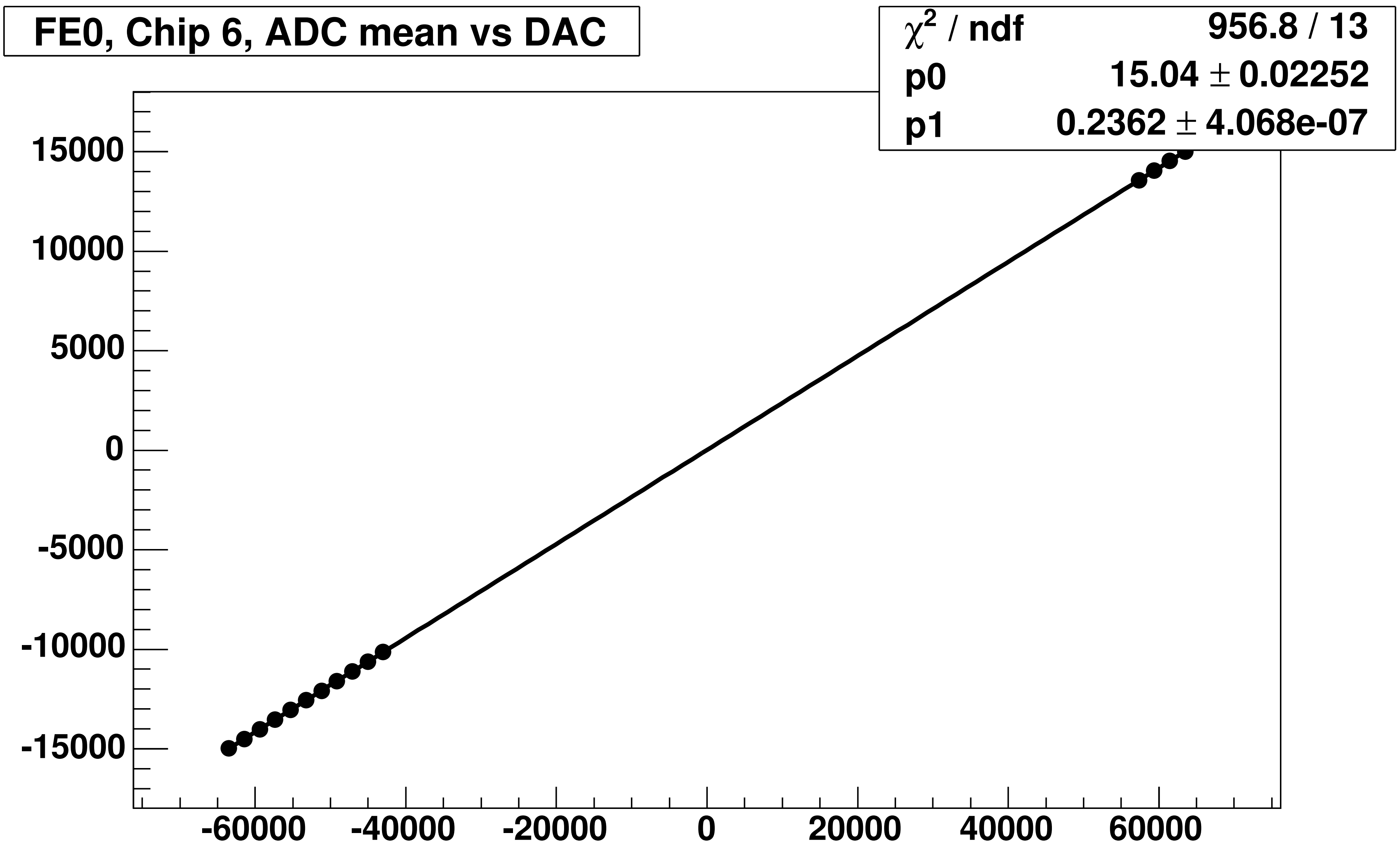

FE0, Chip 4, ADC residuals vs DAC
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 5, ADC mean vs DAC
χ2 / ndf 1663 / 18
p0 90.29 ± 0.0174
p1 0.2355 ± 3.206e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

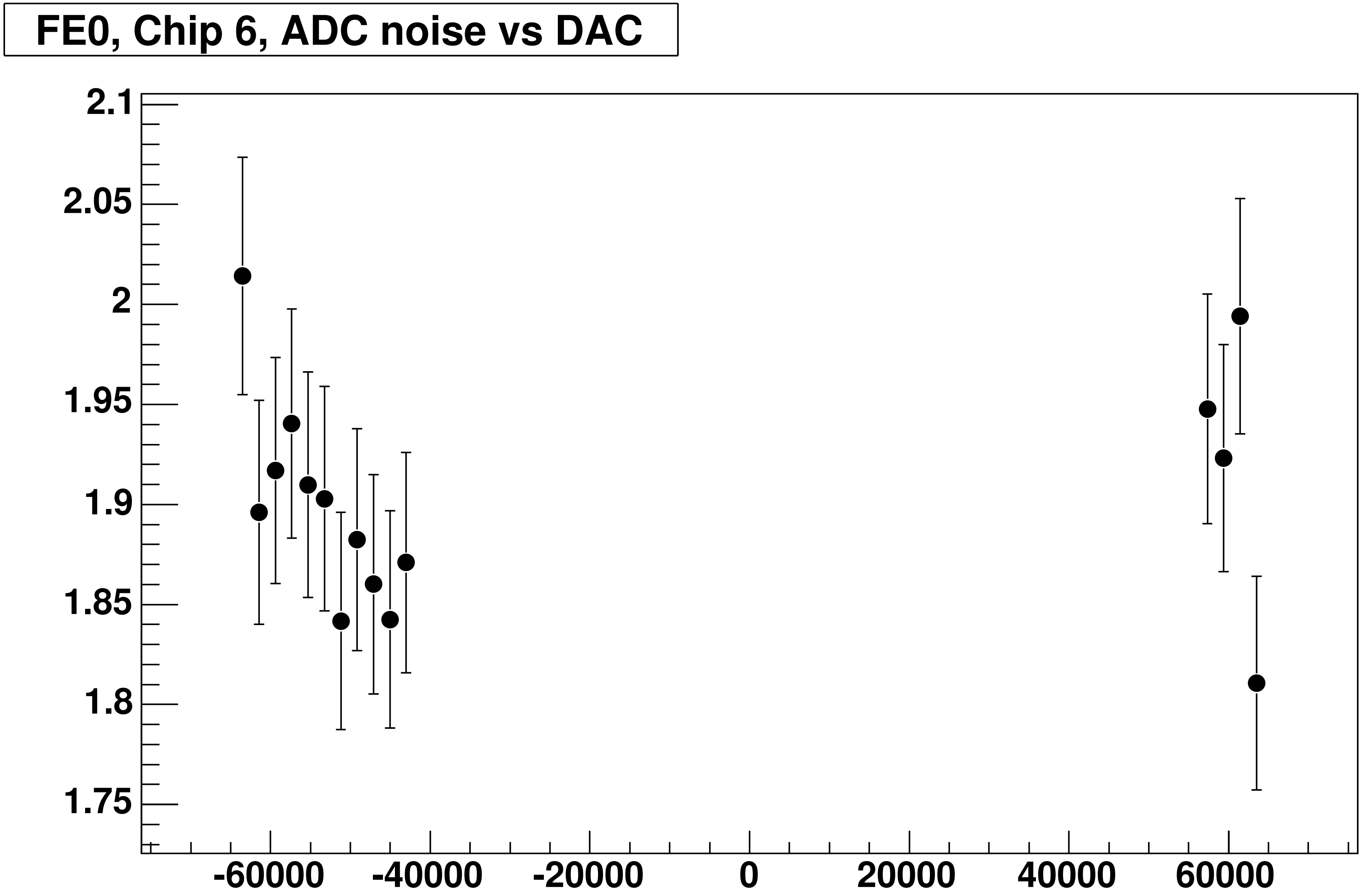

FE0, Chip 5, ADC noise vs DAC
2.1
2.05
2
1.95
1.9
1.85
1.8
1.75
1.7
1.65
-60000
-40000
-20000
0
20000
40000
60000



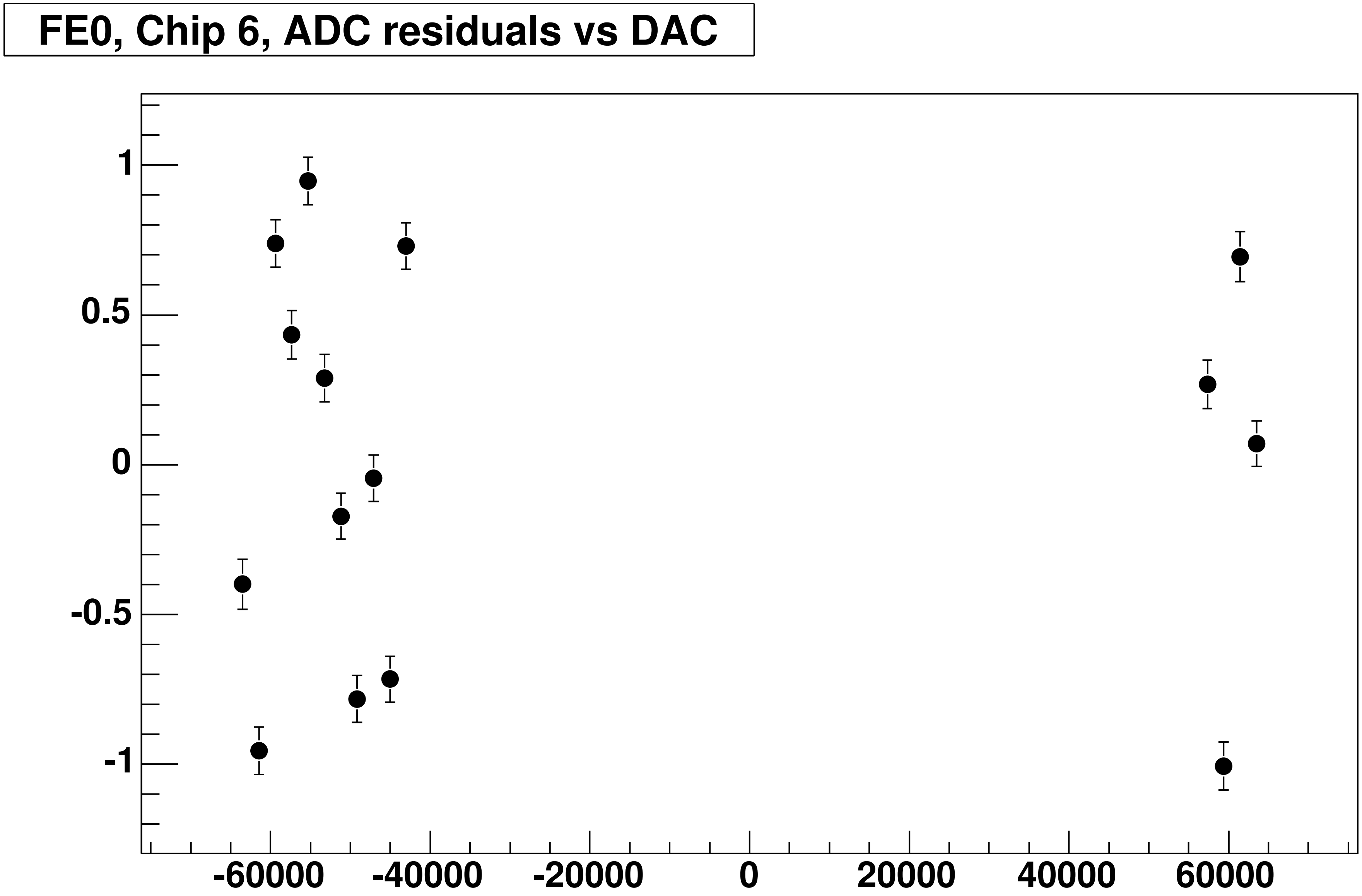
FE0, Chip 5, ADC residuals vs DAC
1.5
1
0.5
0
-0.5
-1
-60000
-40000
-20000
0
20000
40000
60000

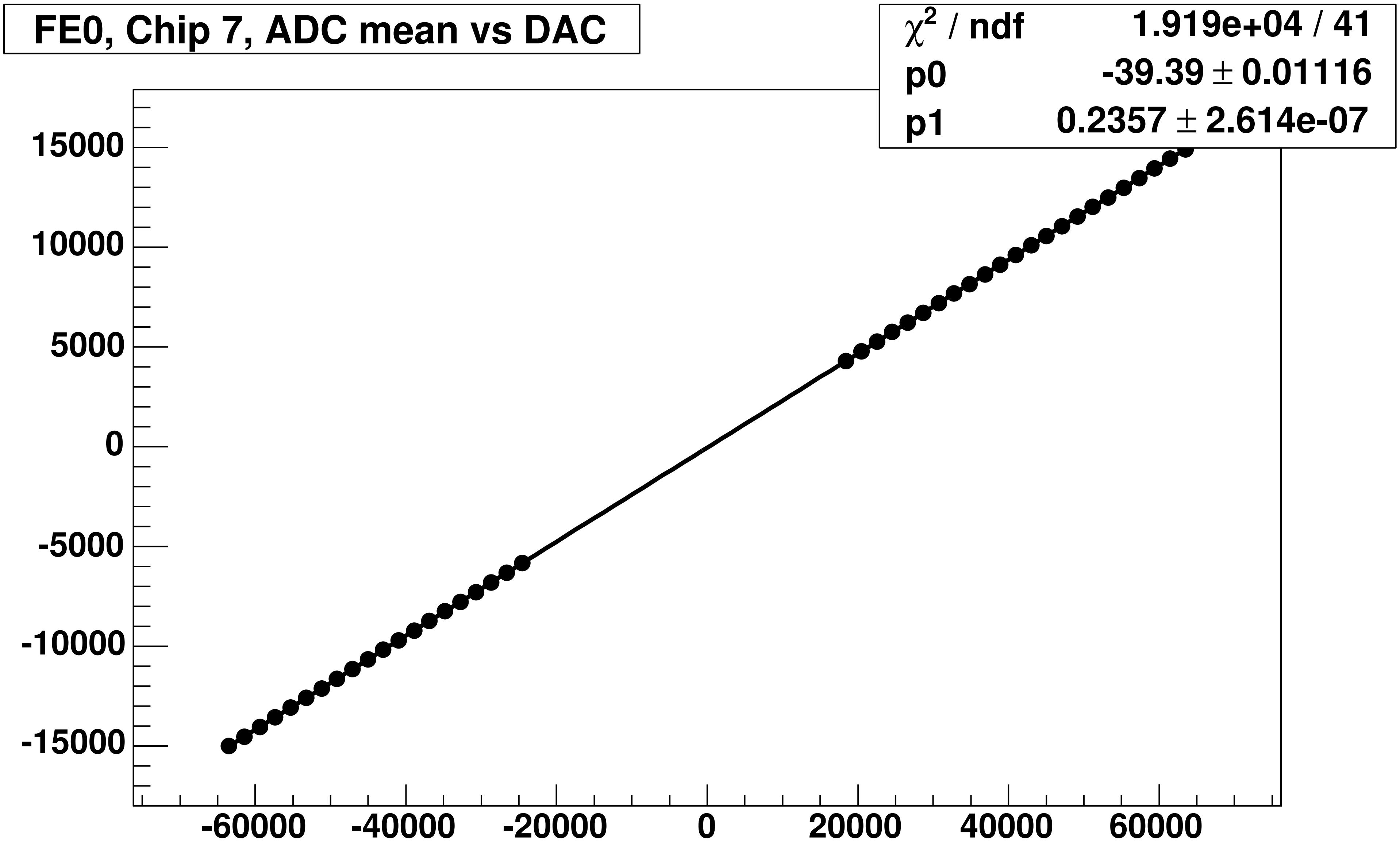


FE0, Chip 6, ADC mean vs DAC
χ^2 / ndf 956.8 / 13
p0 15.04 ± 0.02252
p1 0.2362 ± 4.068e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

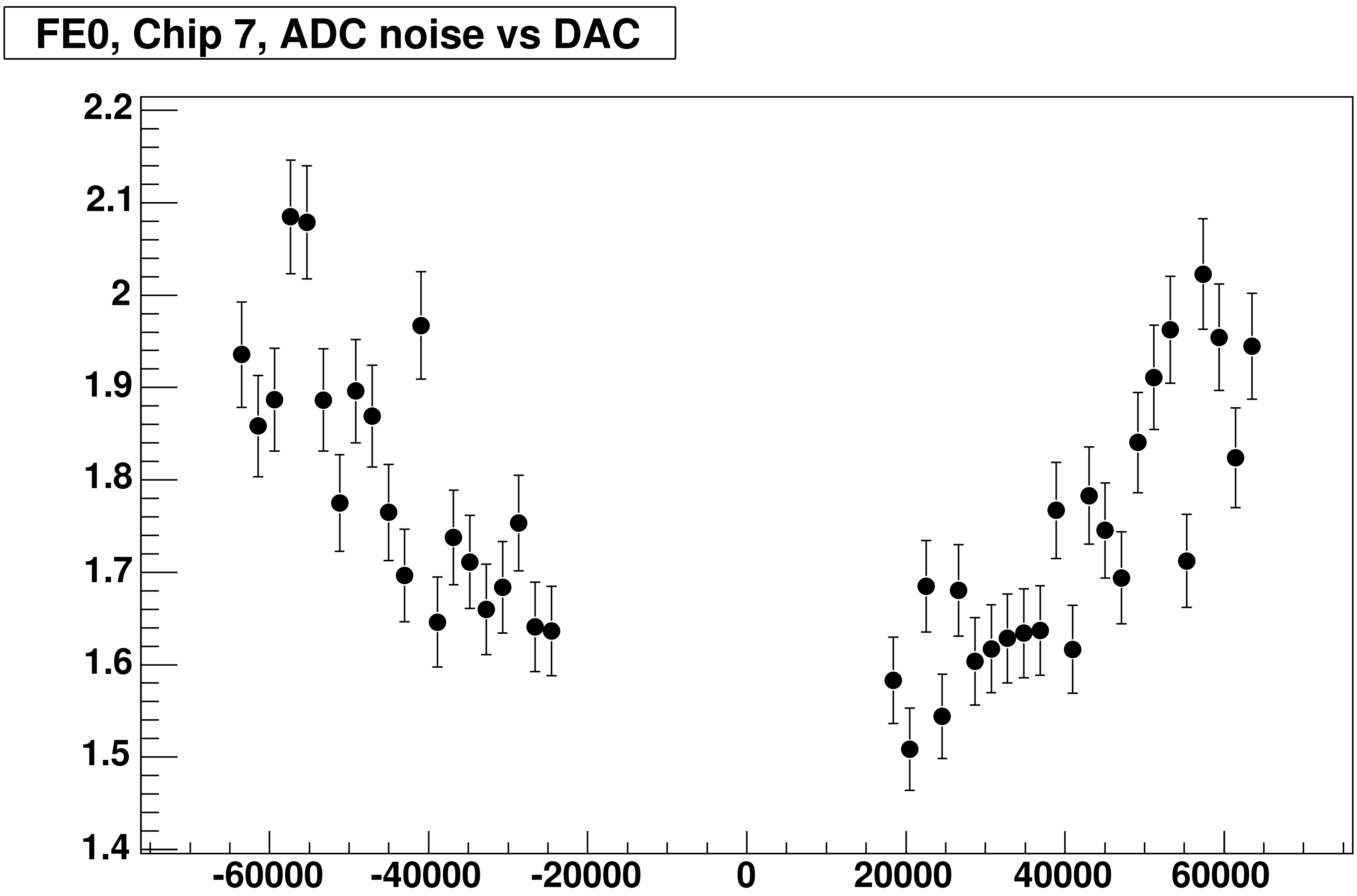


FE0, Chip 6, ADC noise vs DAC
2.1
2.05
2
1.95
1.9
1.85
1.8
1.75
-60000
-40000
-20000
0
20000
40000
60000

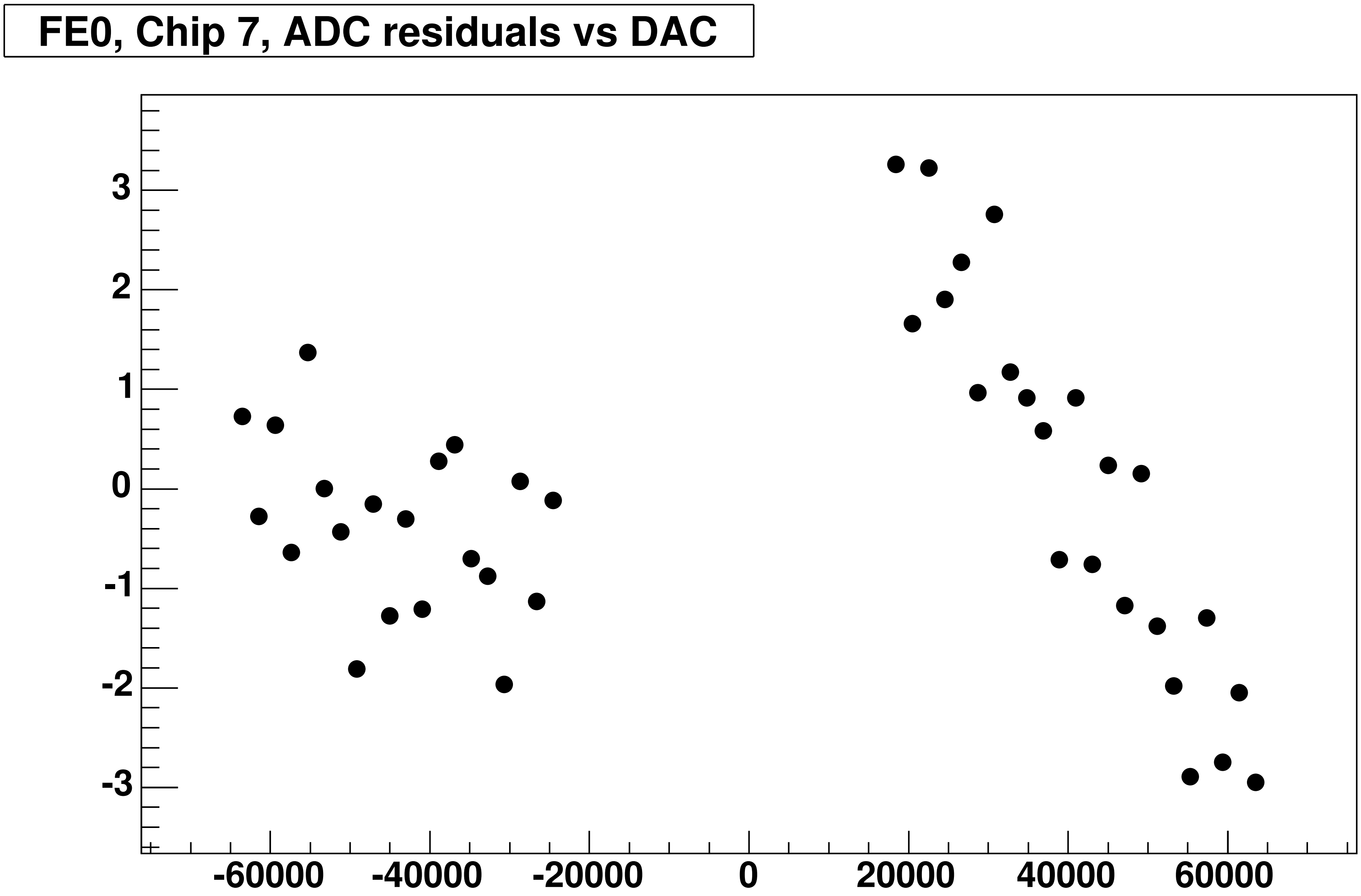

FE0, Chip 6, ADC residuals vs DAC
1
0.5
0
-0.5
-1
-60000
-40000
-20000
0
20000
40000
60000

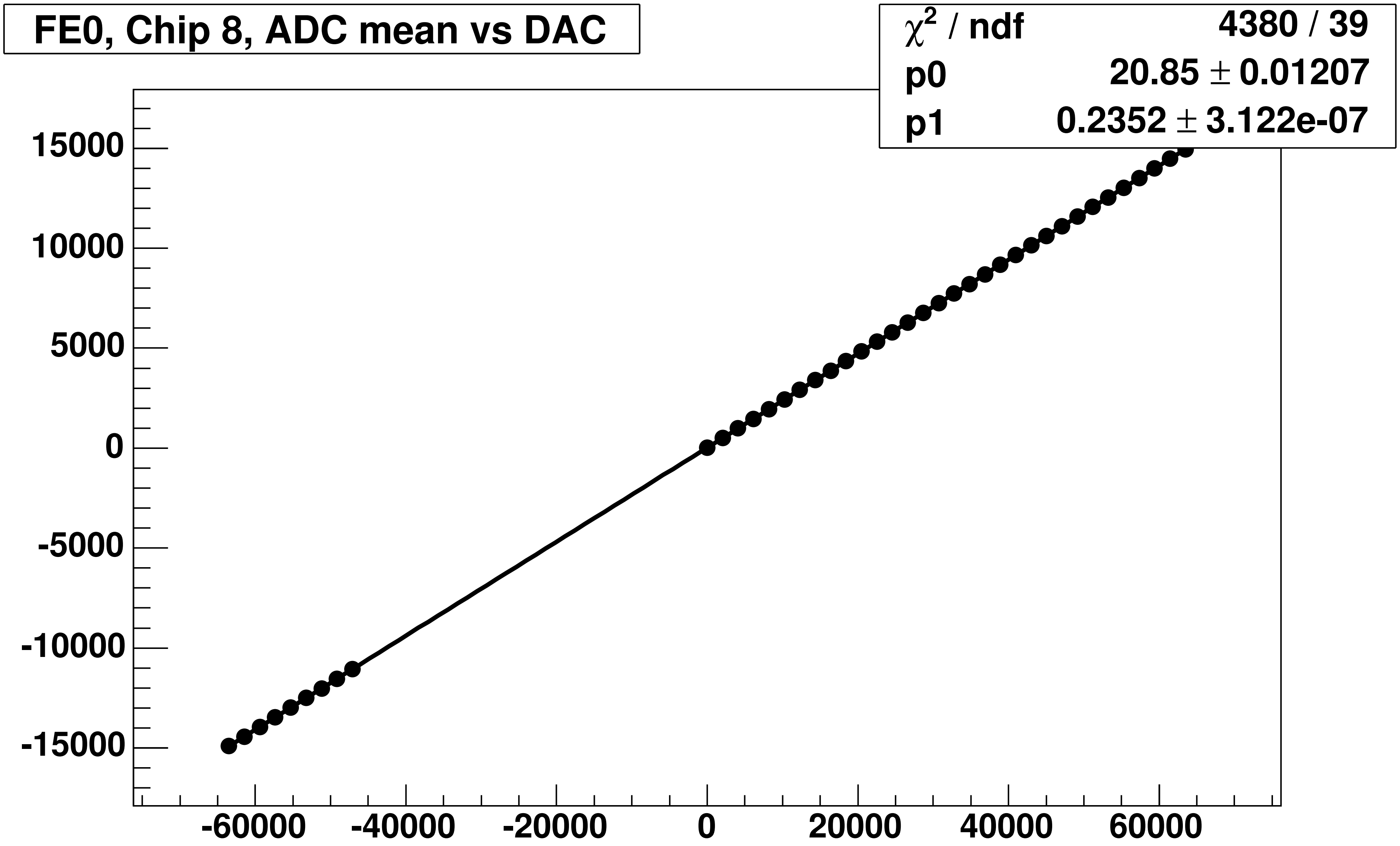


FE0, Chip 7, ADC mean vs DAC
χ^2 / ndf 1.919e+04 / 41
p0 -39.39 ± 0.01116
p1 0.2357 ± 2.614e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

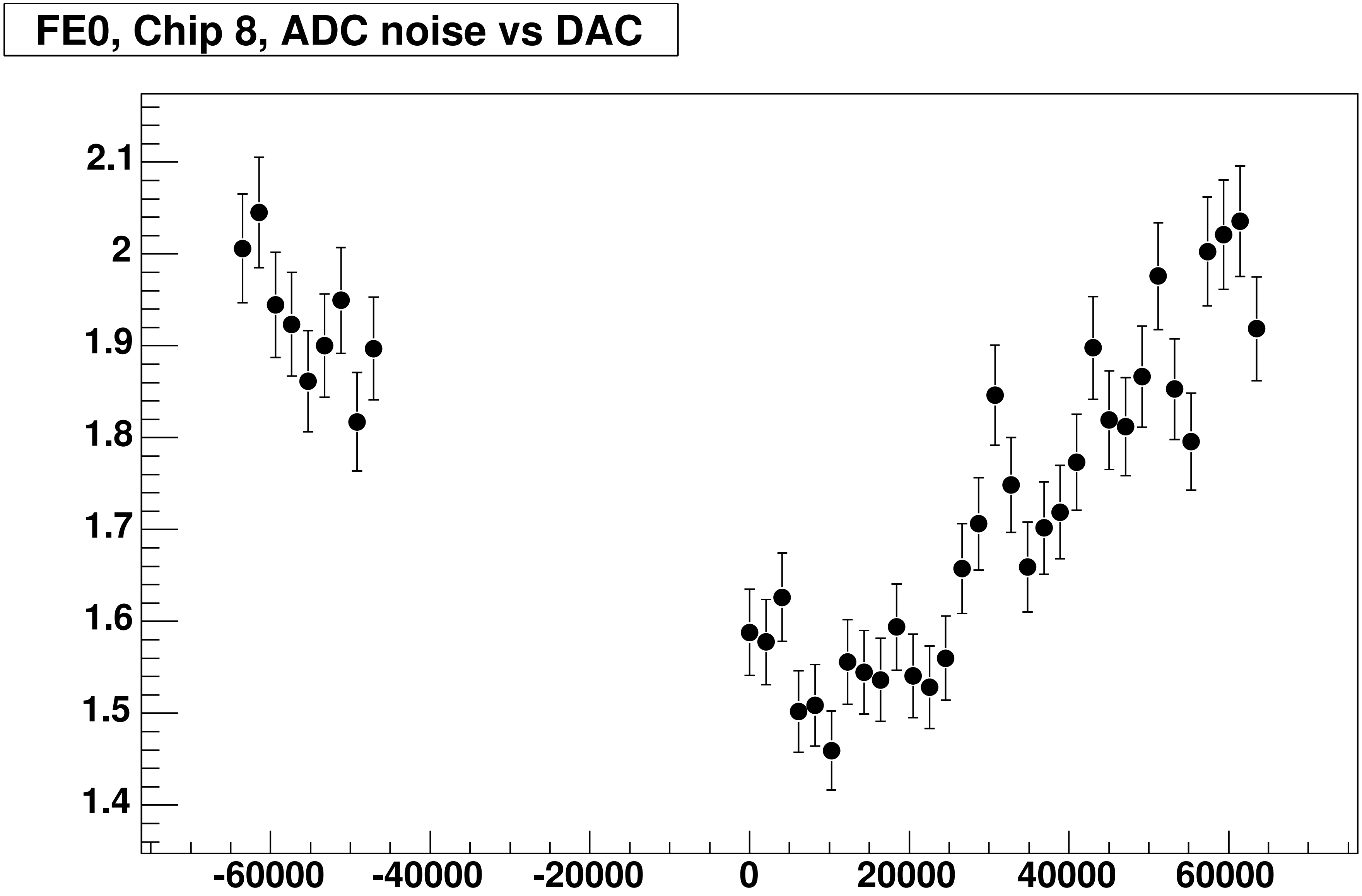


FE0, Chip 7, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

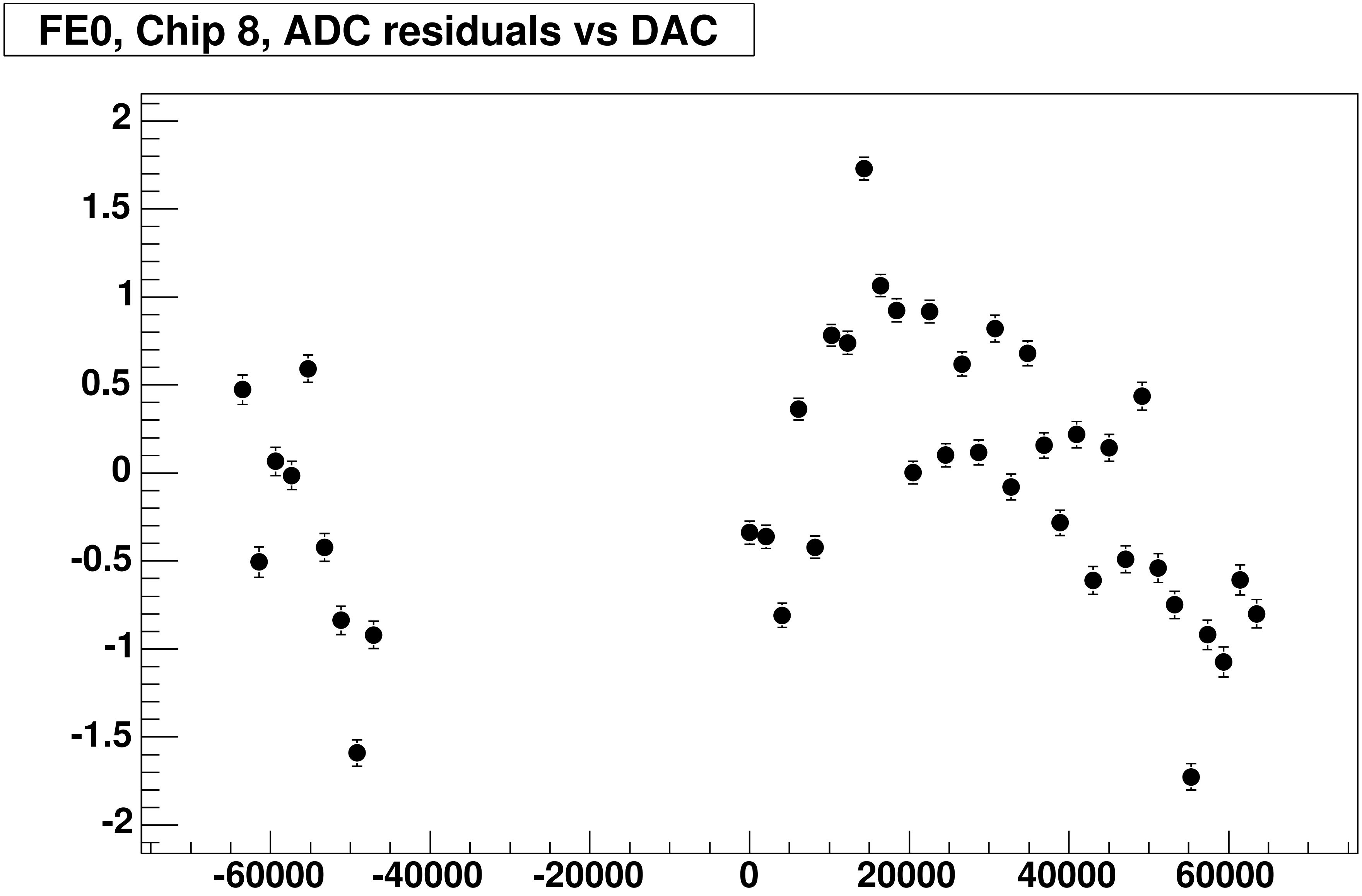

FE0, Chip 7, ADC residuals vs DAC
3
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000



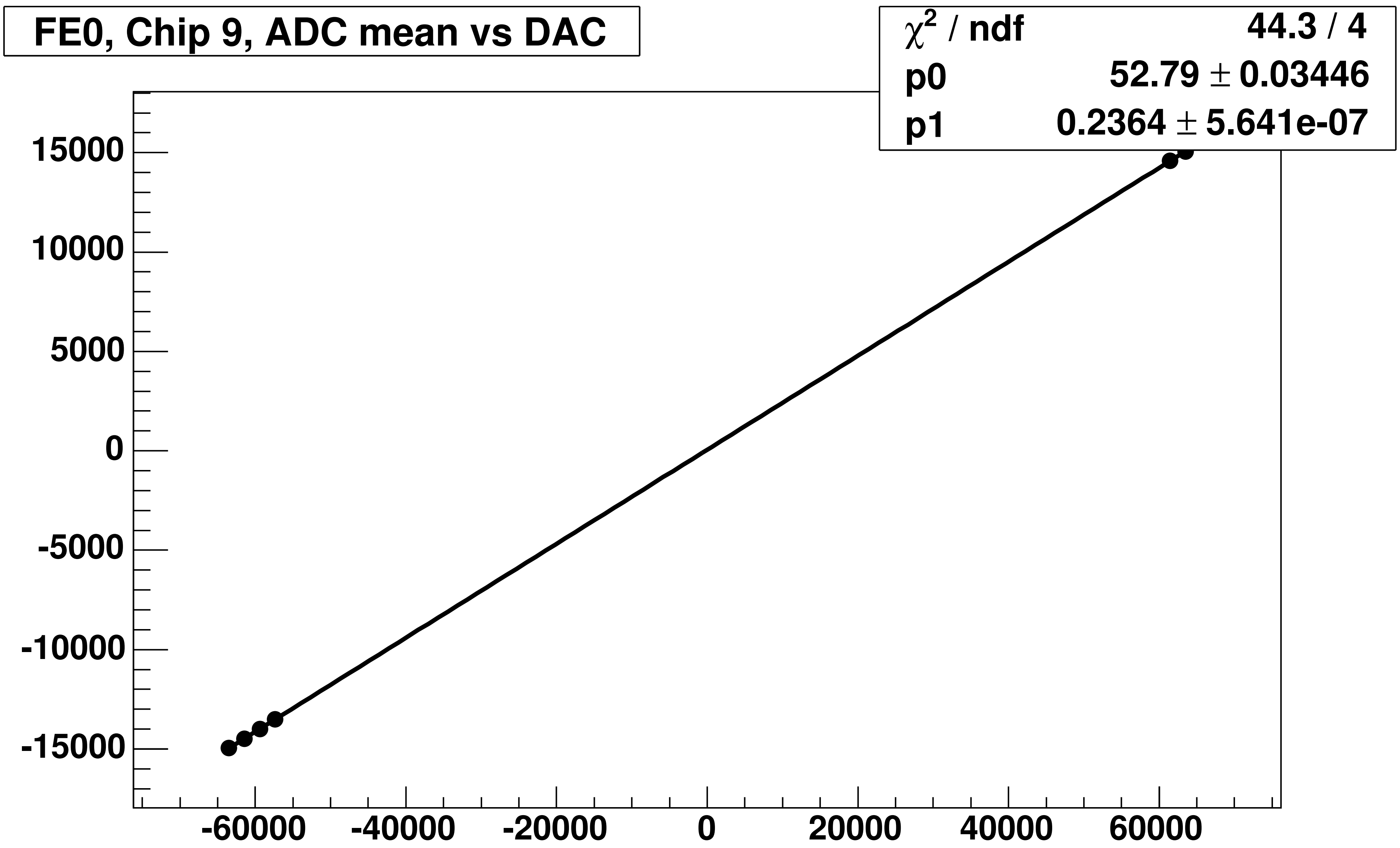
FE0, Chip 8, ADC mean vs DAC
χ² / ndf 4380 / 39
p0 20.85 ± 0.01207
p1 0.2352 ± 3.122e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



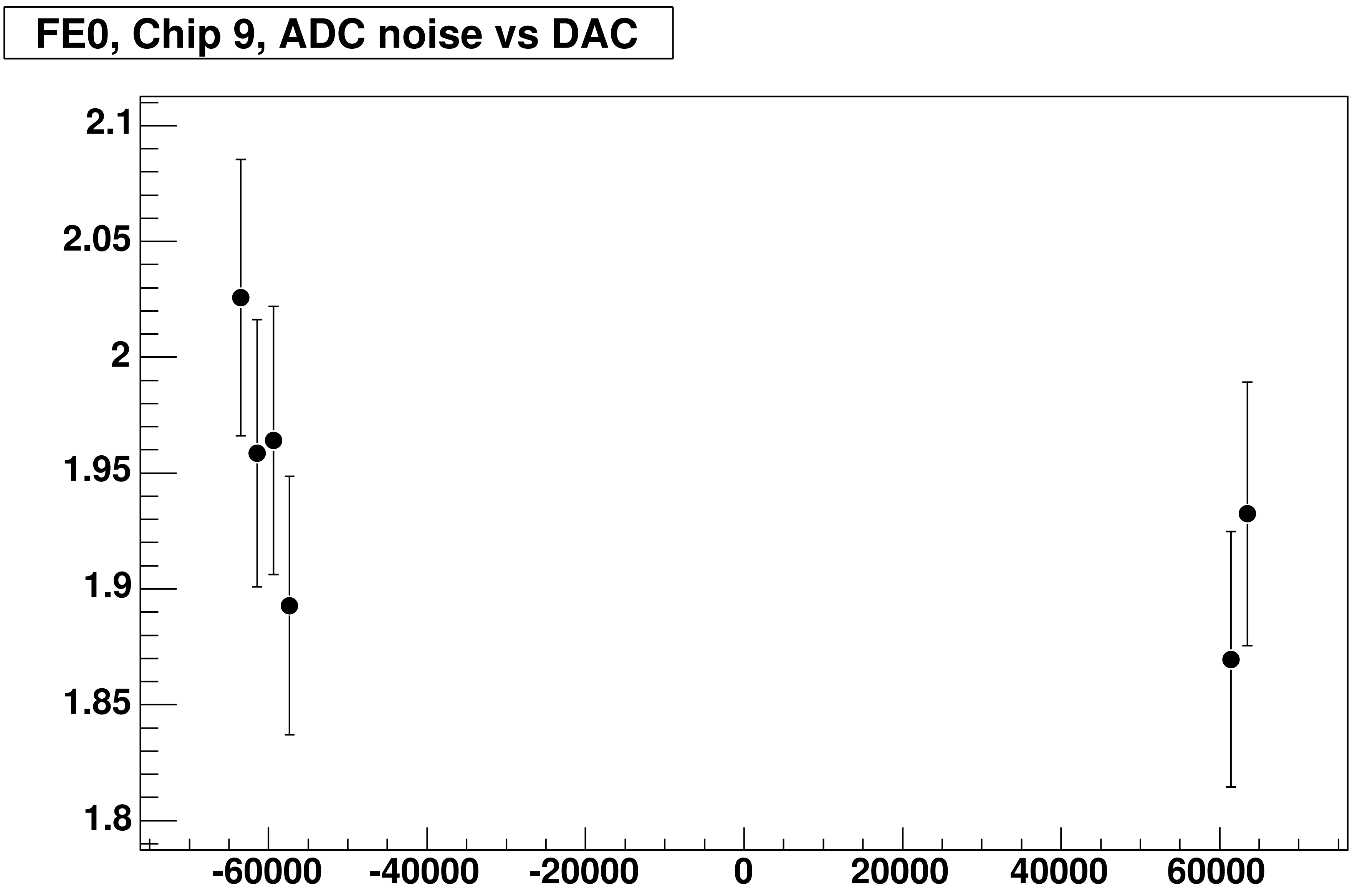
FE0, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000



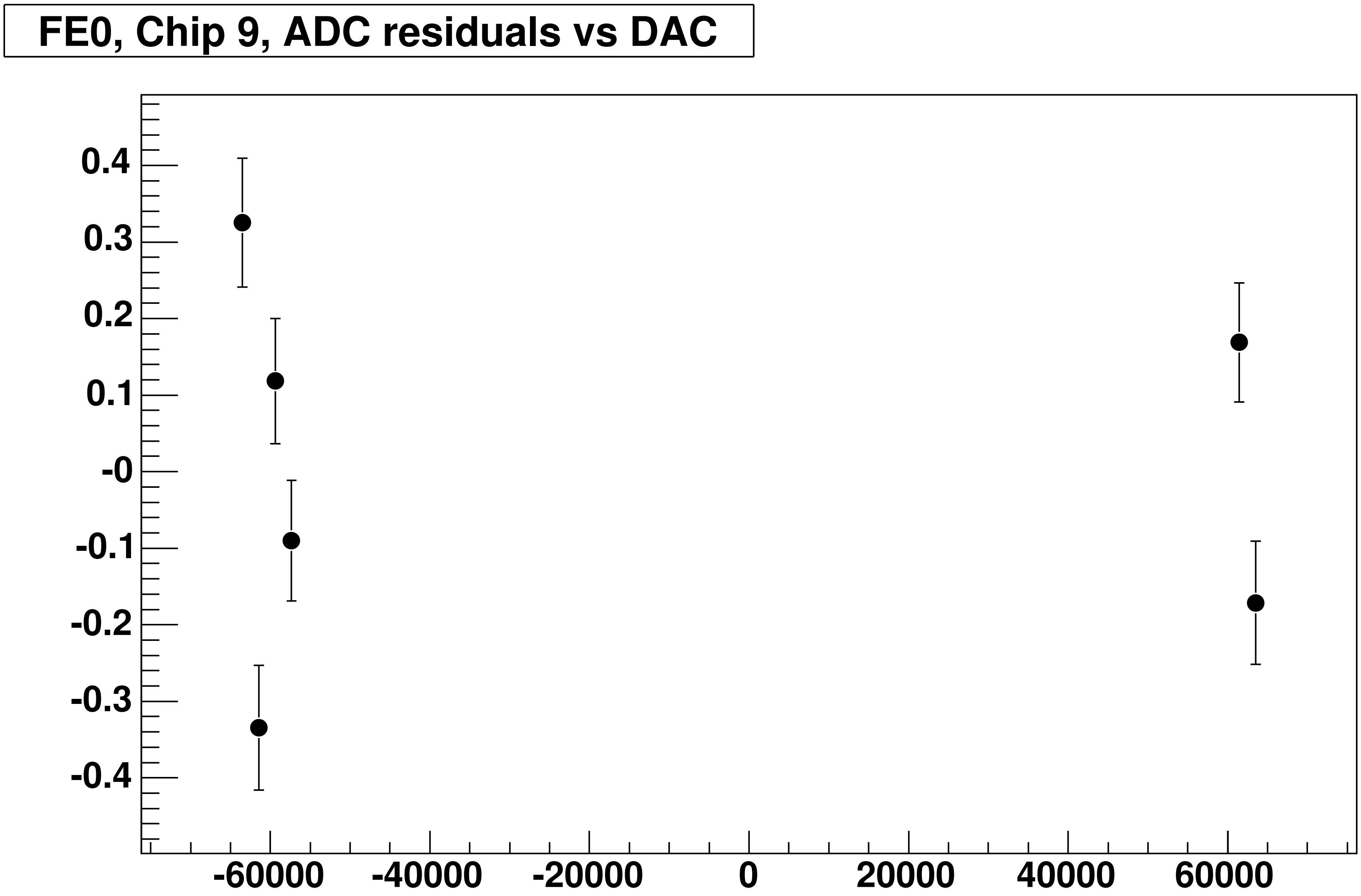
FE0, Chip 8, ADC residuals vs DAC
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-60000
-40000
-20000
0
20000
40000
60000

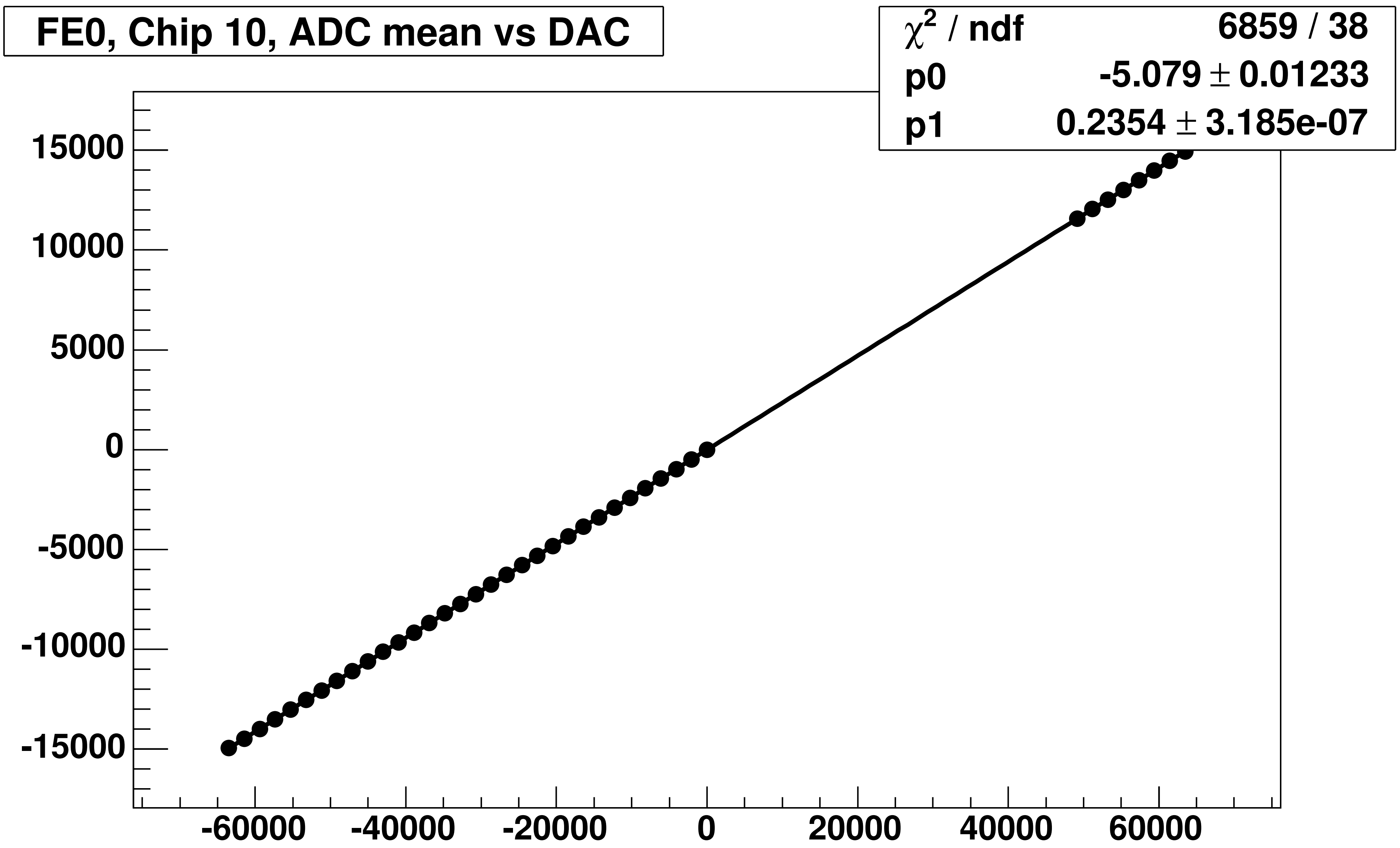


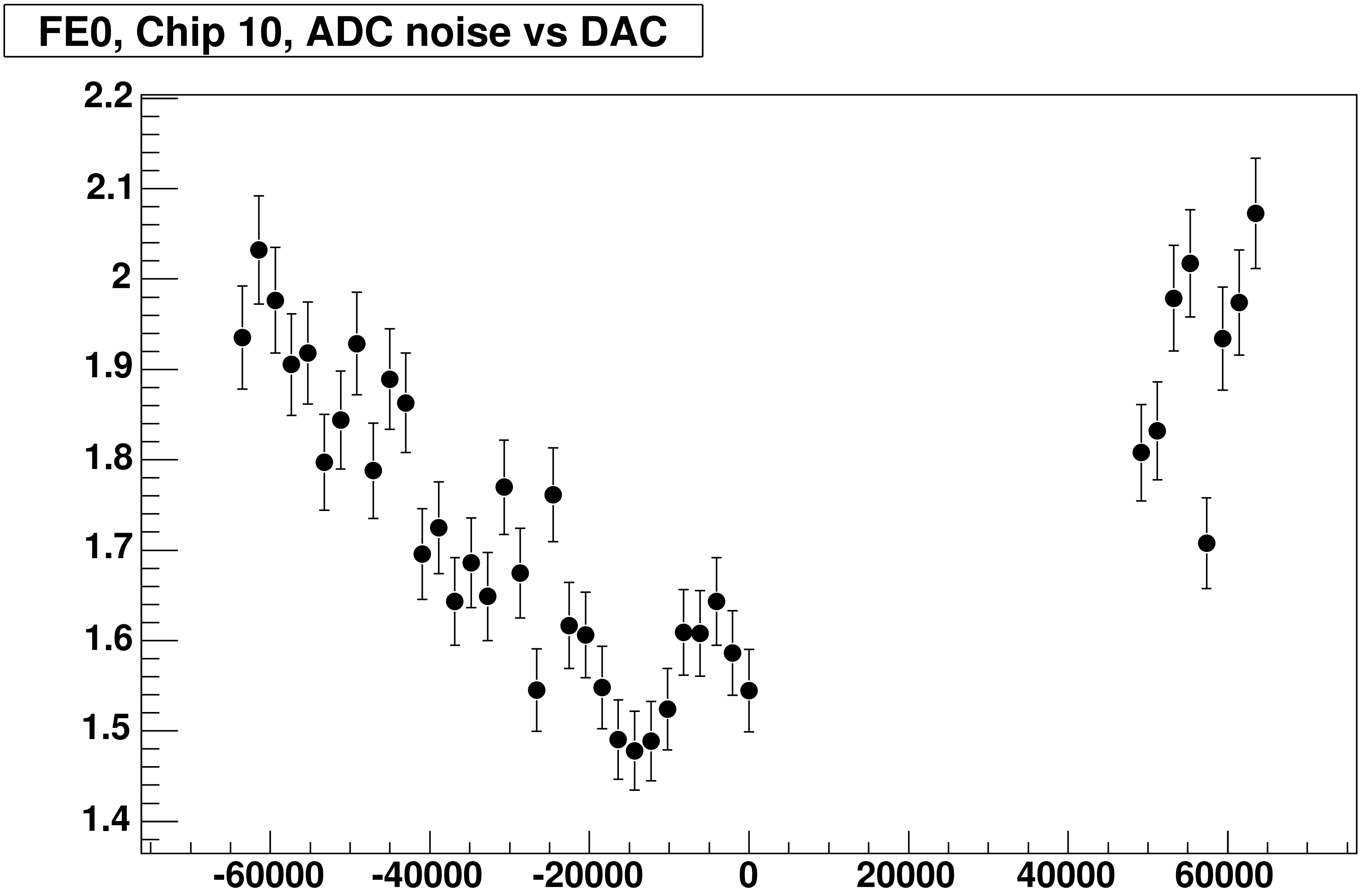
FE0, Chip 9, ADC mean vs DAC
χ^2 / ndf 44.3 / 4
p0 52.79 ± 0.03446
p1 0.2364 ± 5.641e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



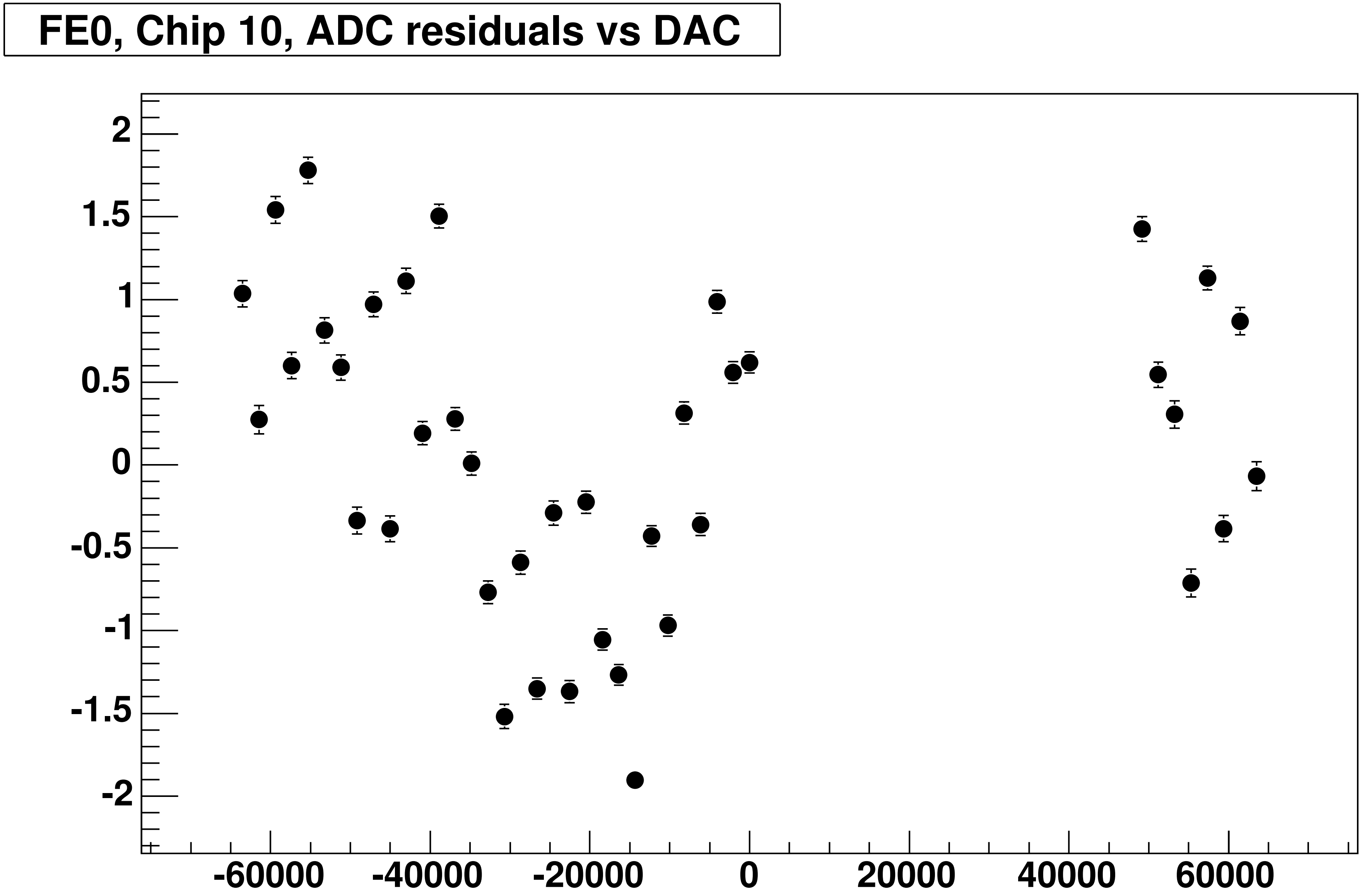
FE0, Chip 9, ADC noise vs DAC
2.1
2.05
2
1.95
1.9
1.85
1.8
-60000
-40000
-20000
0
20000
40000
60000

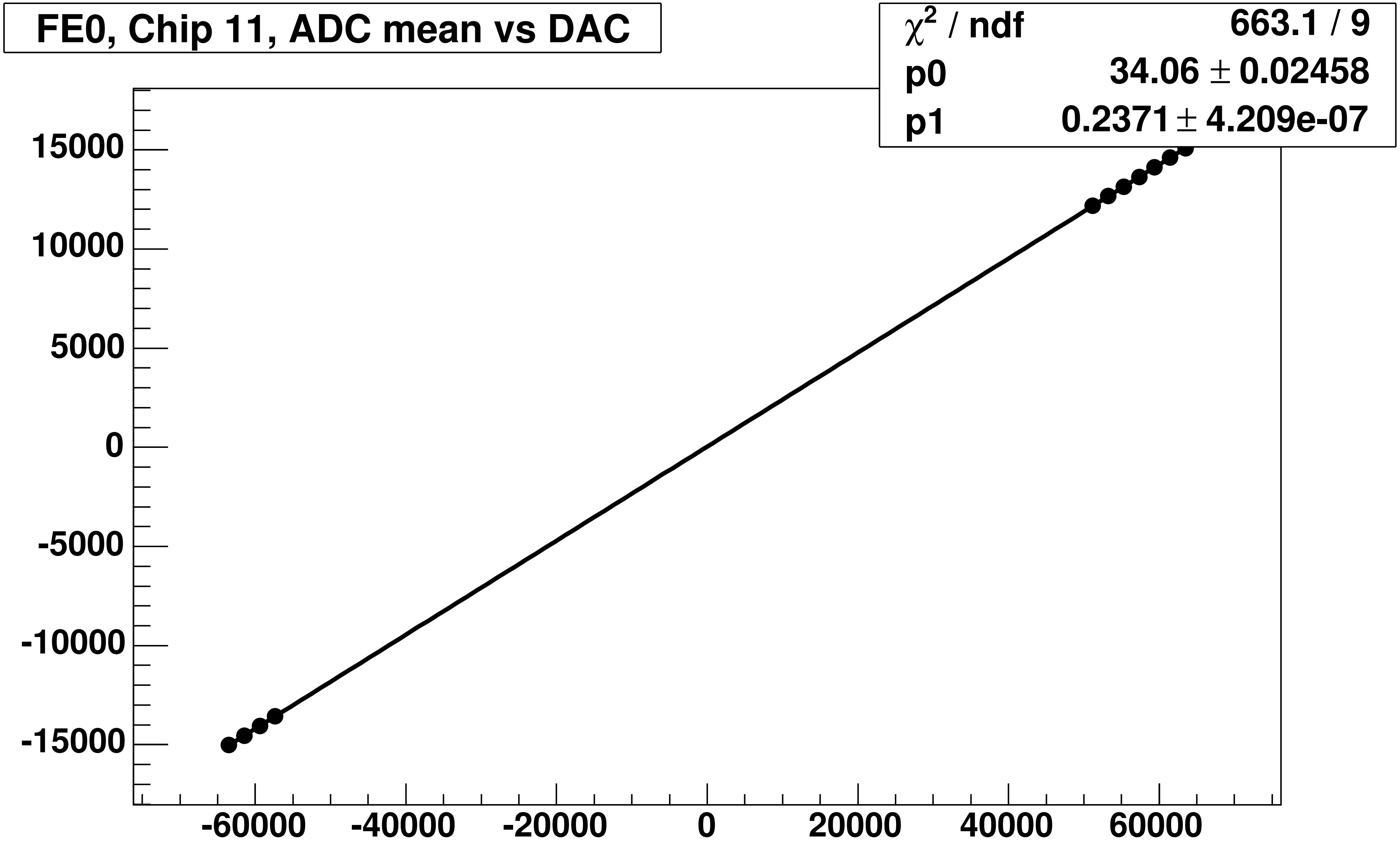

FE0, Chip 9, ADC residuals vs DAC
0.4
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
-0.4
-60000
-40000
-20000
0
20000
40000
60000

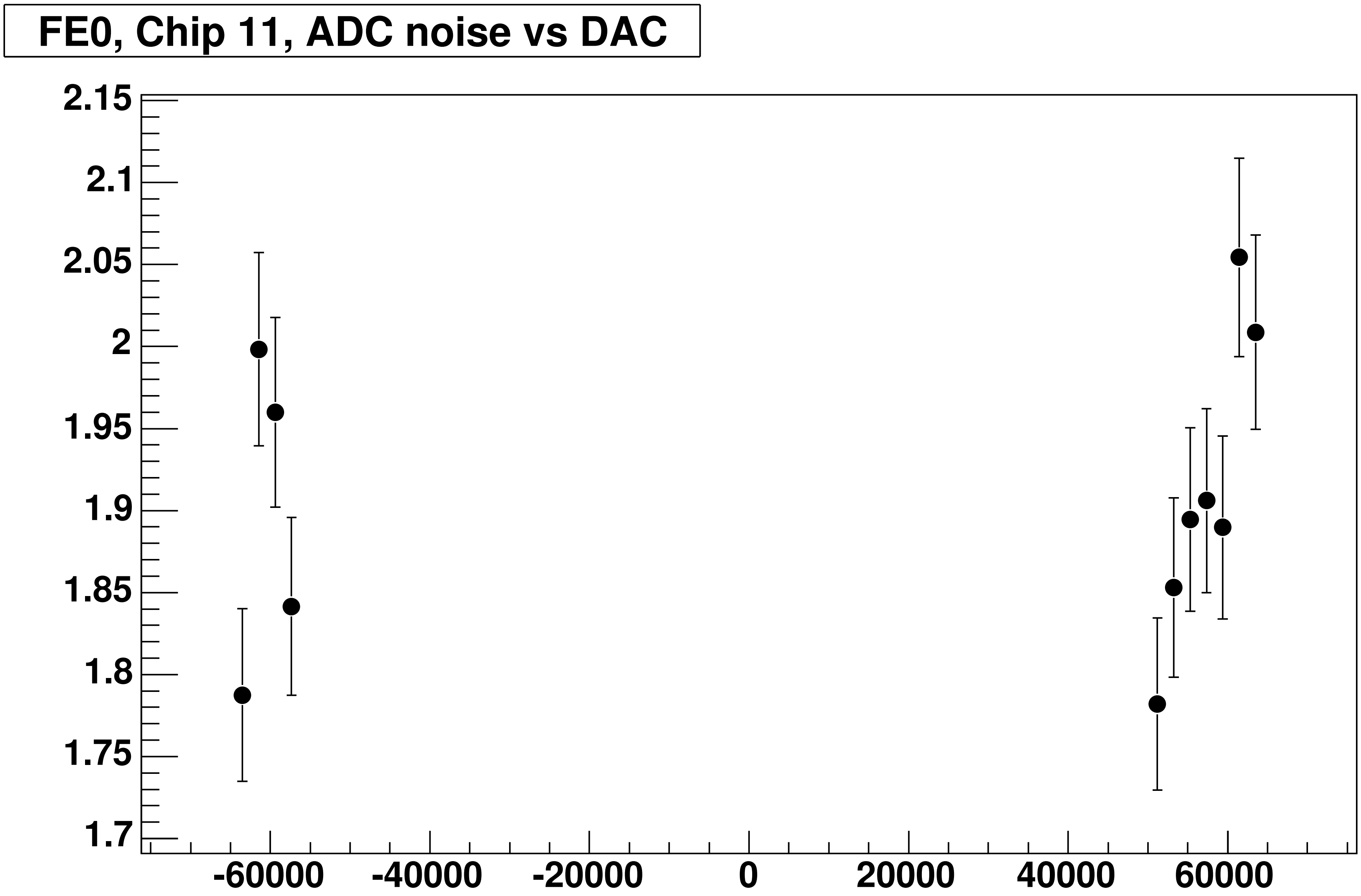

FE0, Chip 10, ADC mean vs DAC
χ2 / ndf 6859 / 38
p0 -5.079 ± 0.01233
p1 0.2354 ± 3.185e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

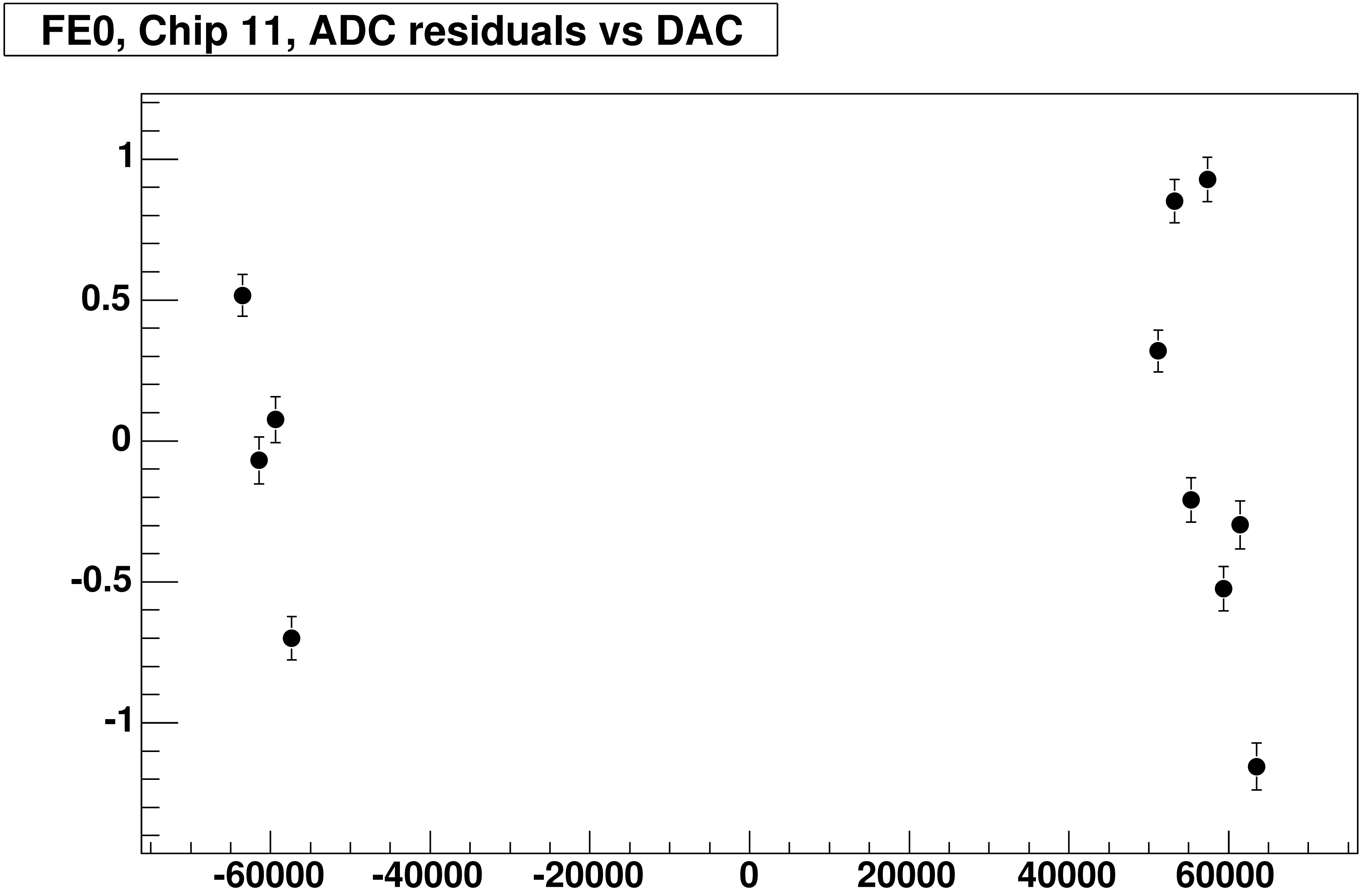


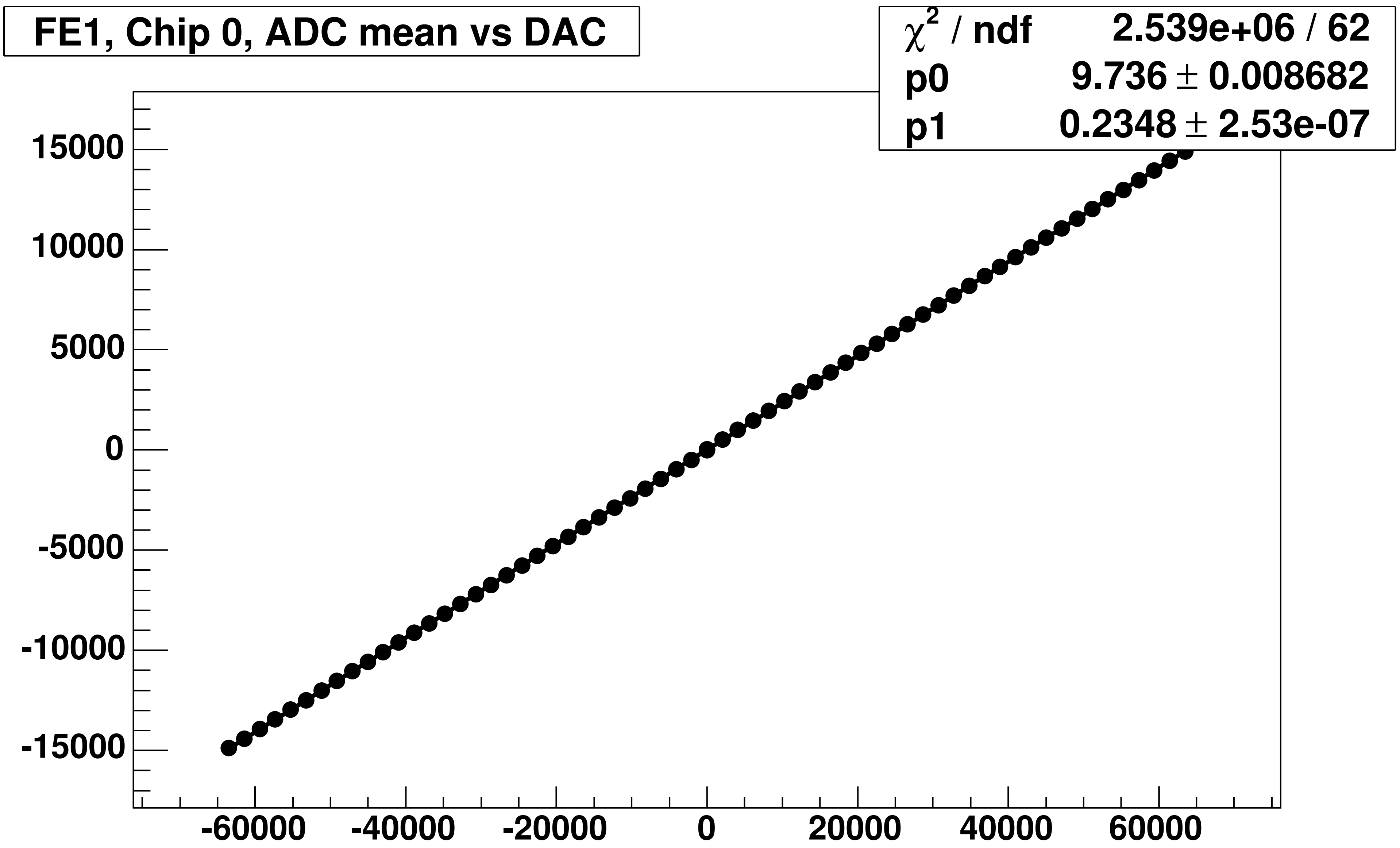
FE0, Chip 10, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

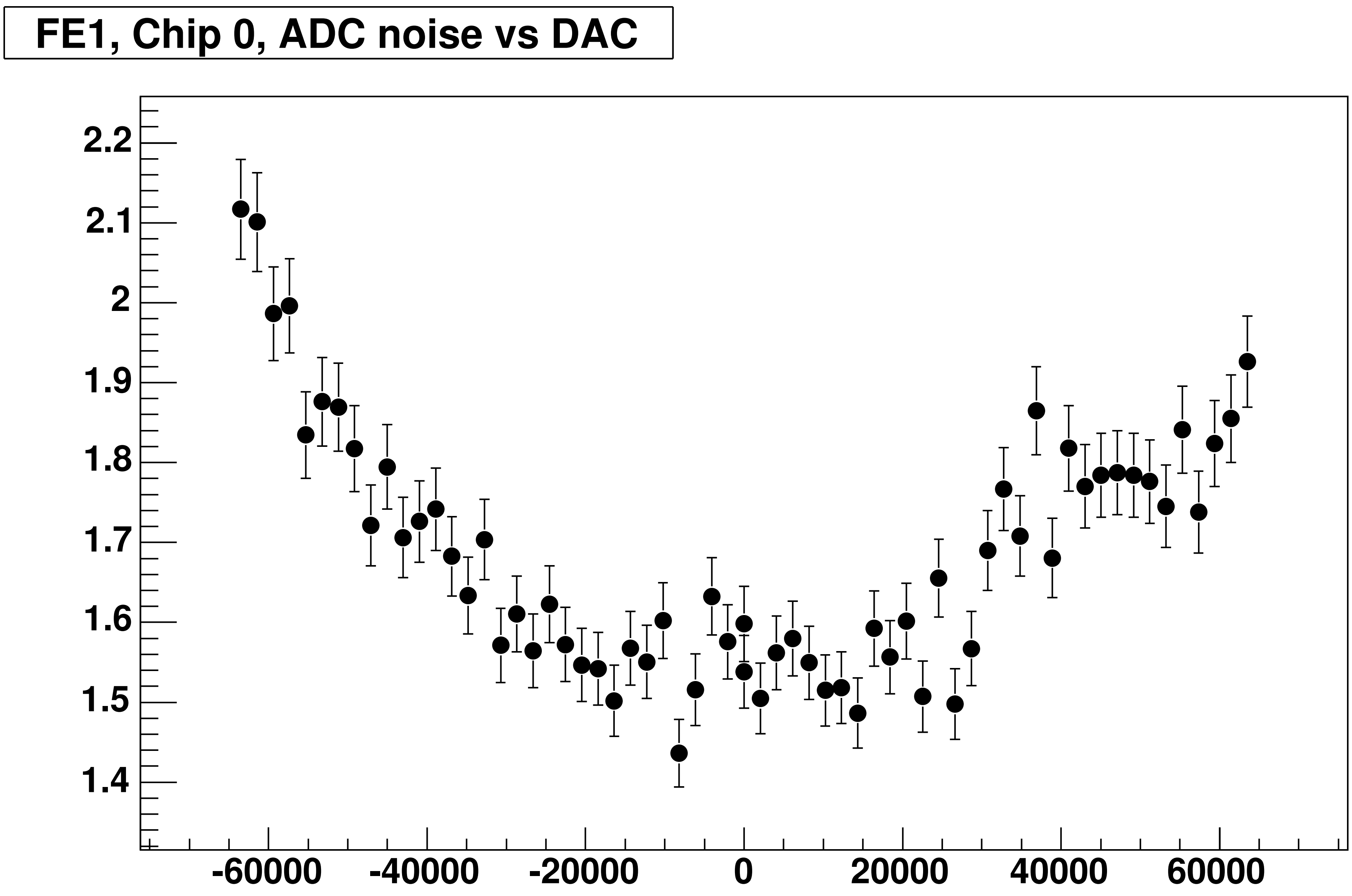

FE0, Chip 10, ADC residuals vs DAC
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-60000
-40000
-20000
0
20000
40000
60000

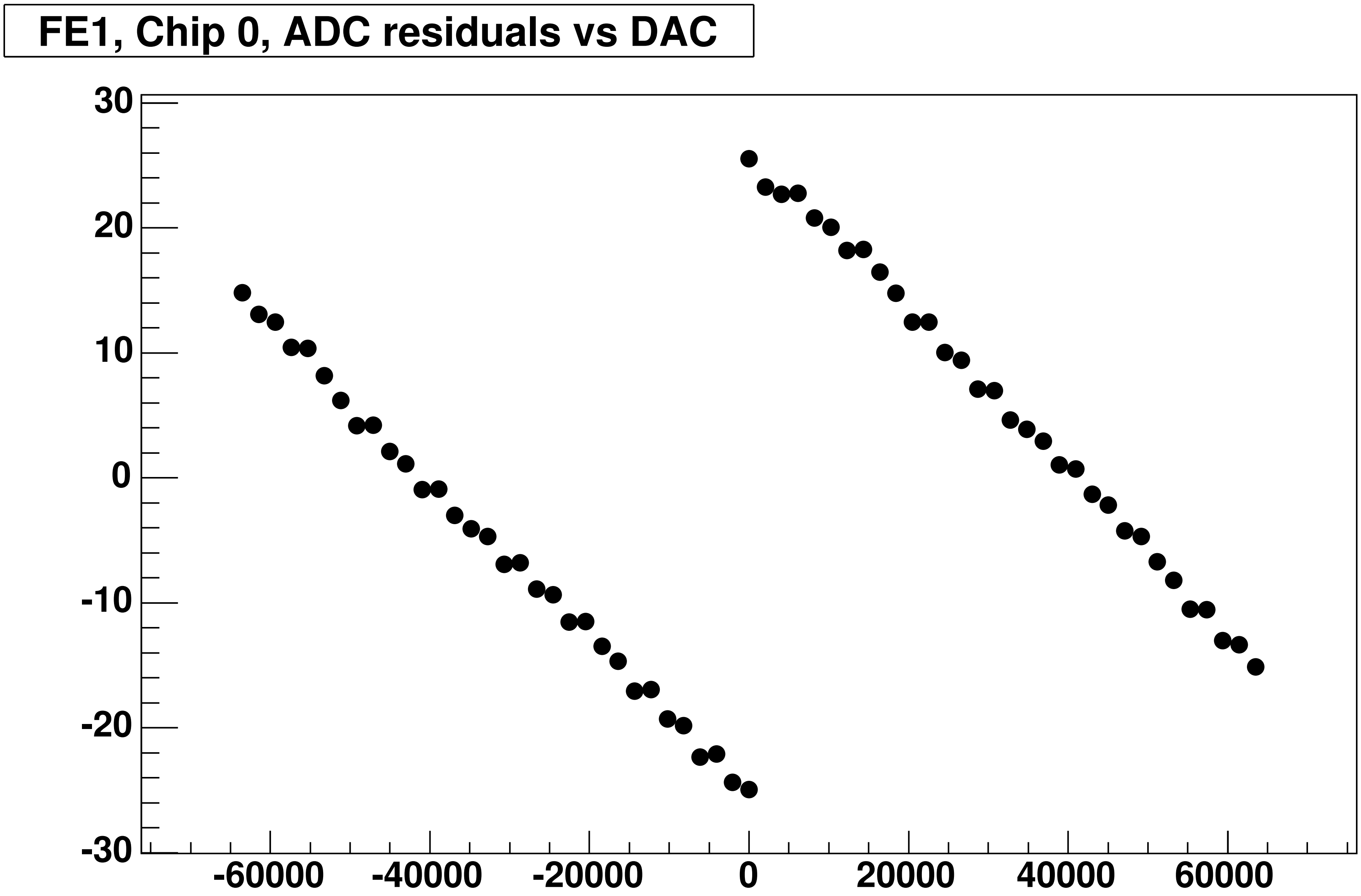

FE0, Chip 11, ADC mean vs DAC
χ^2 / ndf 663.1 / 9
p0 34.06 ± 0.02458
p1 0.2371 ± 4.209e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

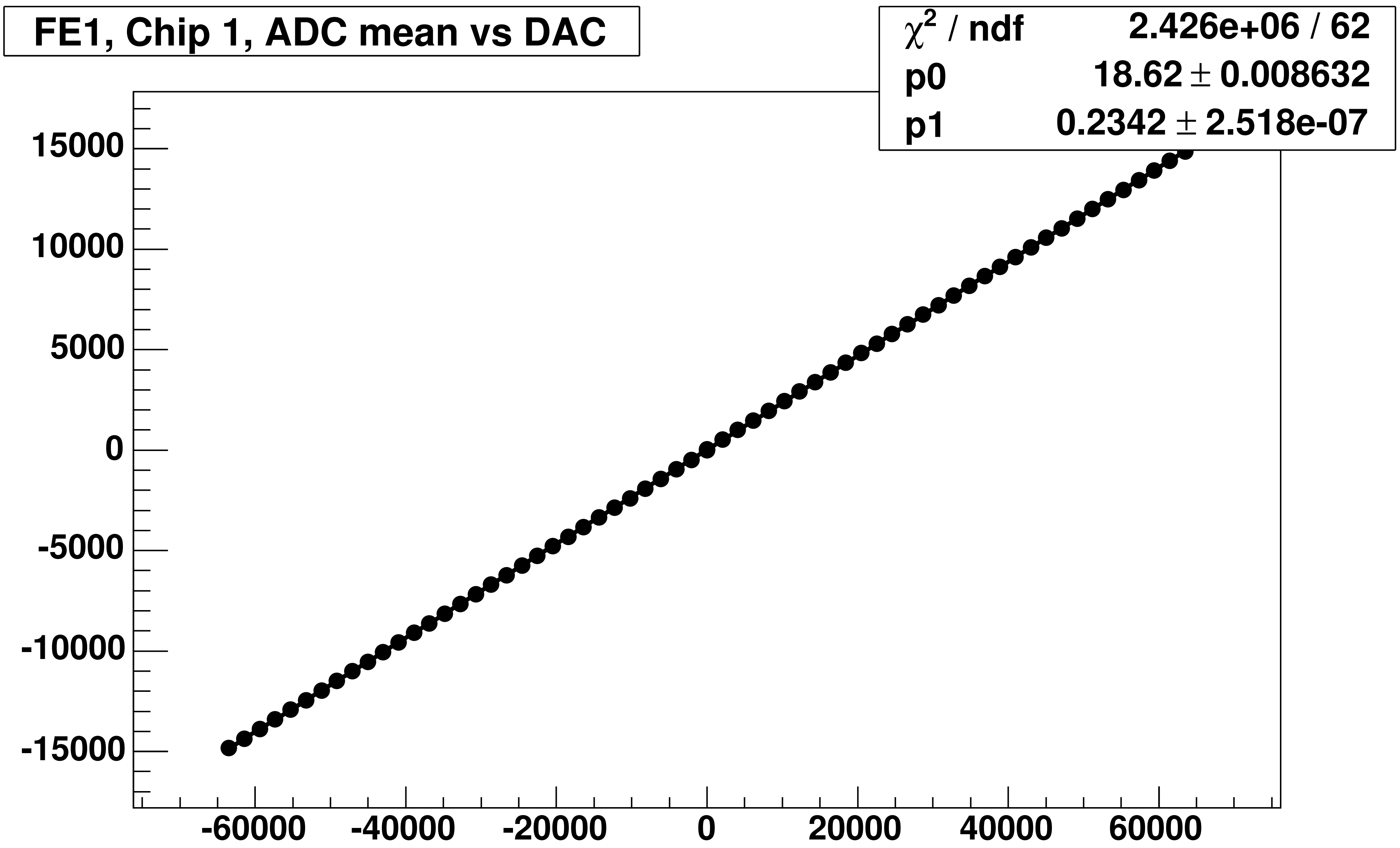

FE0, Chip 11, ADC noise vs DAC
2.15
2.1
2.05
2
1.95
1.9
1.85
1.8
1.75
1.7
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 11, ADC residuals vs DAC
1
0.5
0
-0.5
-1
-60000
-40000
-20000
0
20000
40000
60000

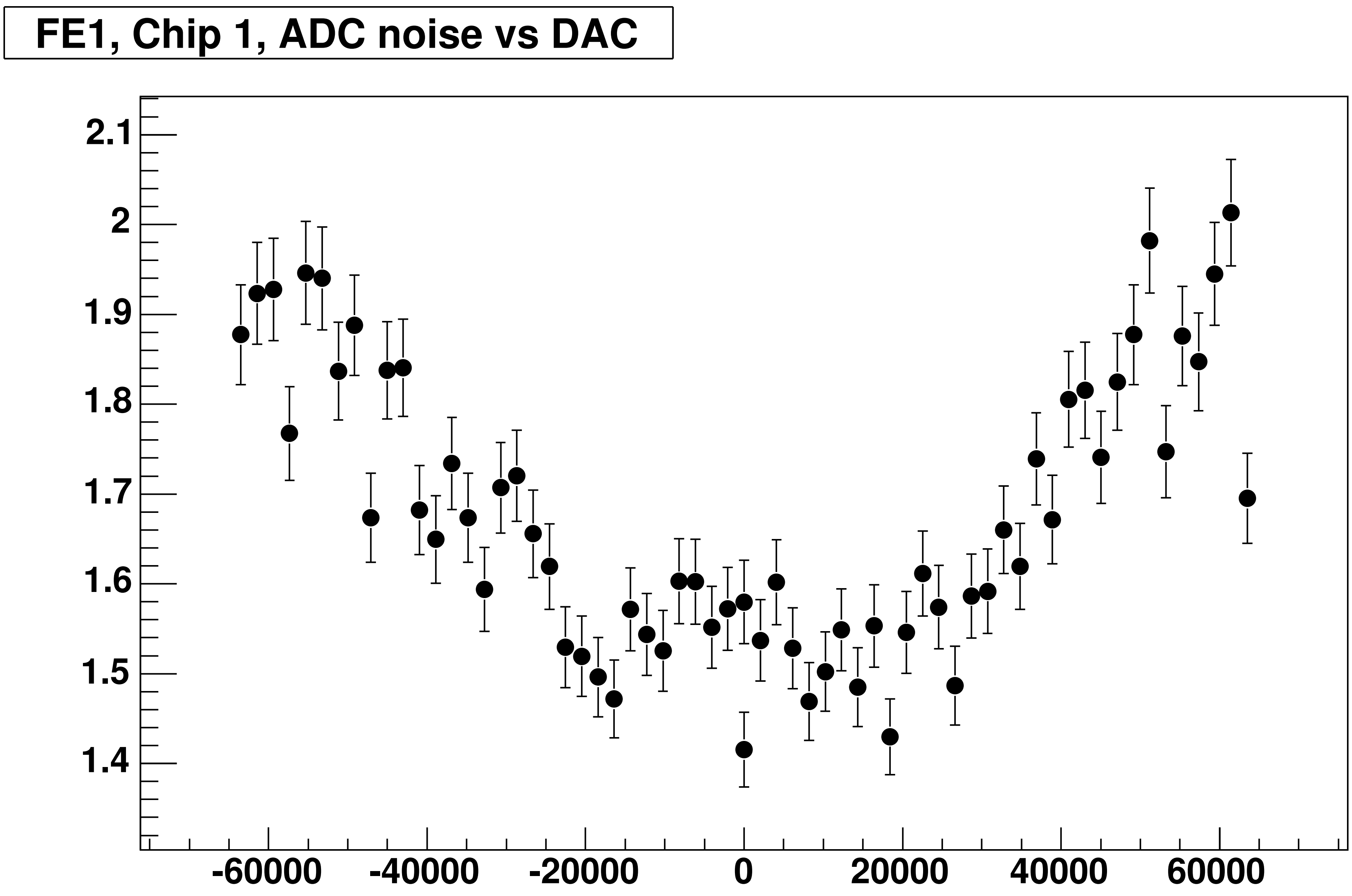

FE1, Chip 0, ADC mean vs DAC
χ² / ndf 2.539e+06 / 62
p0 9.736 ± 0.008682
p1 0.2348 ± 2.53e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

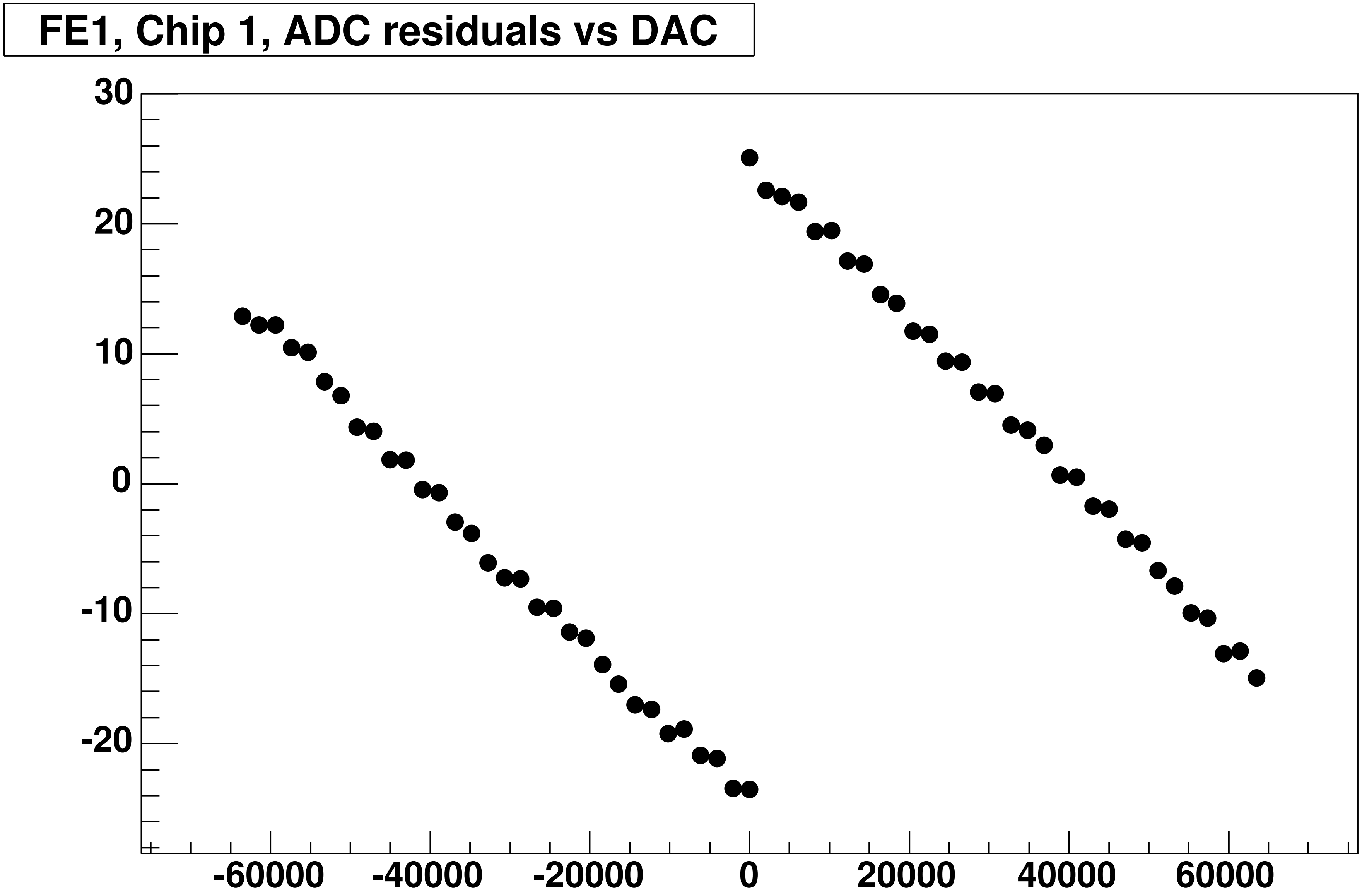

FE1, Chip 0, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 0, ADC residuals vs DAC
30
20
10
0
-10
-20
-30
-60000
-40000
-20000
0
20000
40000
60000

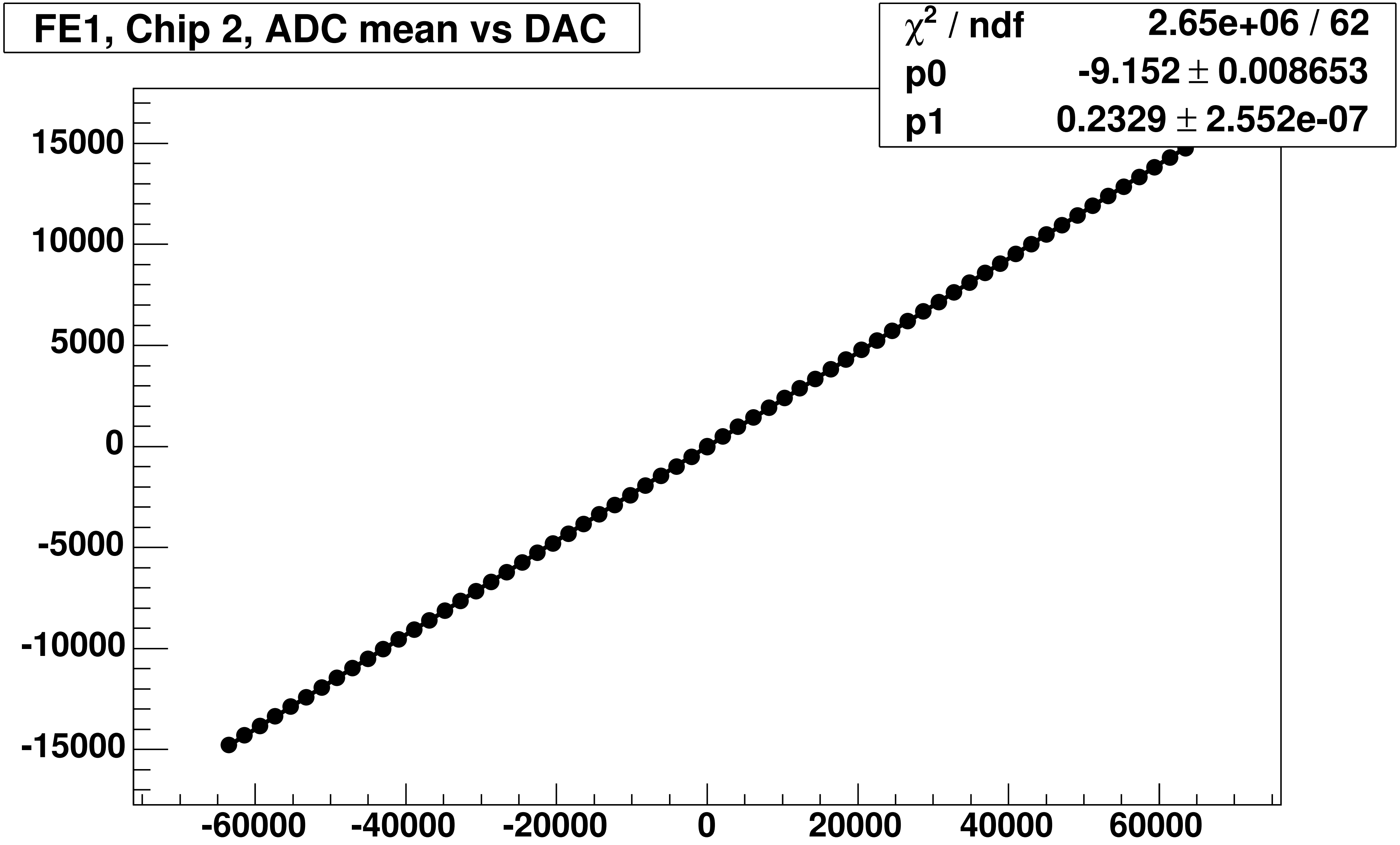


FE1, Chip 1, ADC mean vs DAC
χ^2 / ndf 2.426e+06 / 62
p0 18.62 ± 0.008632
p1 0.2342 ± 2.518e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

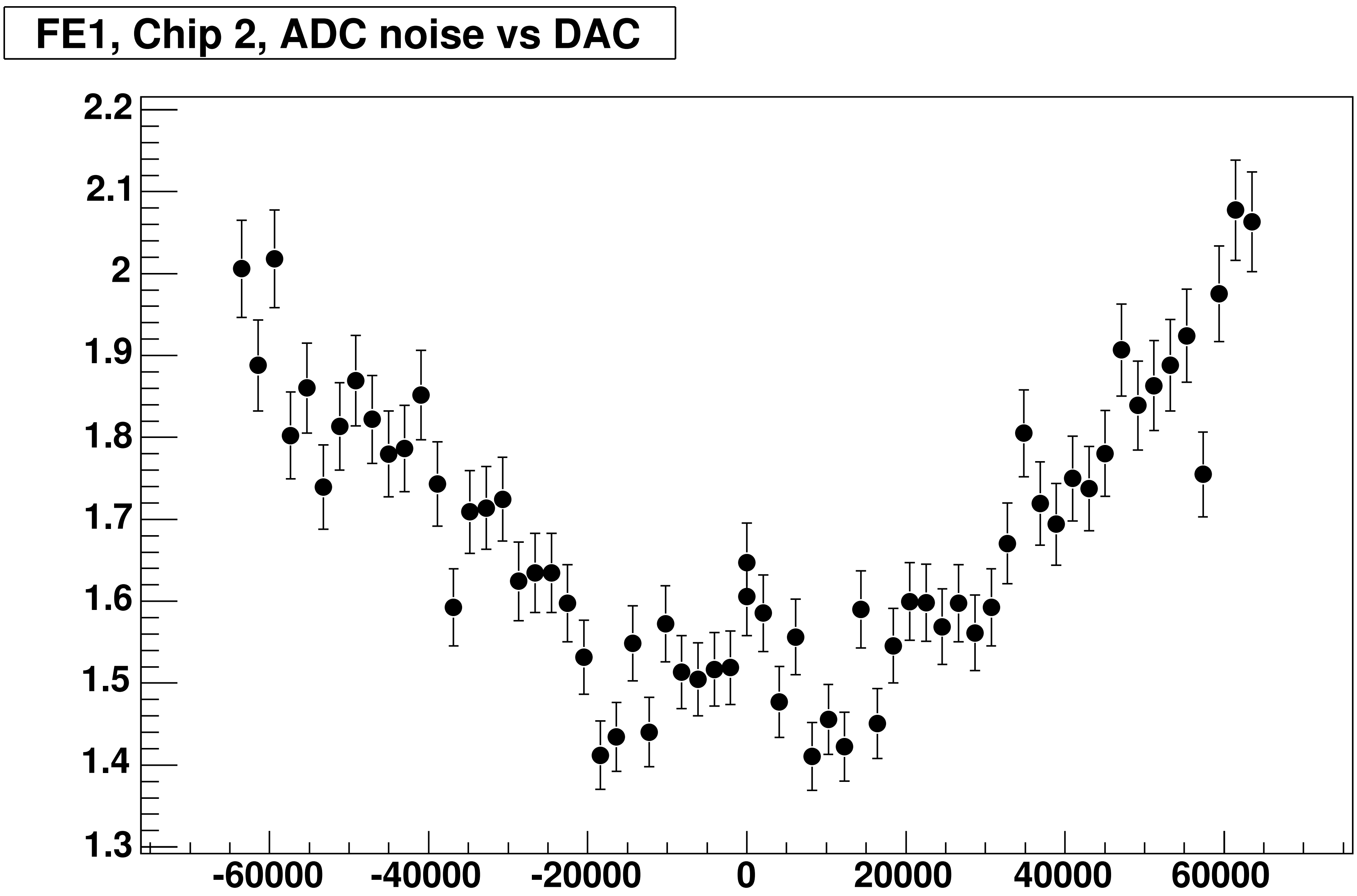

FE1, Chip 1, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

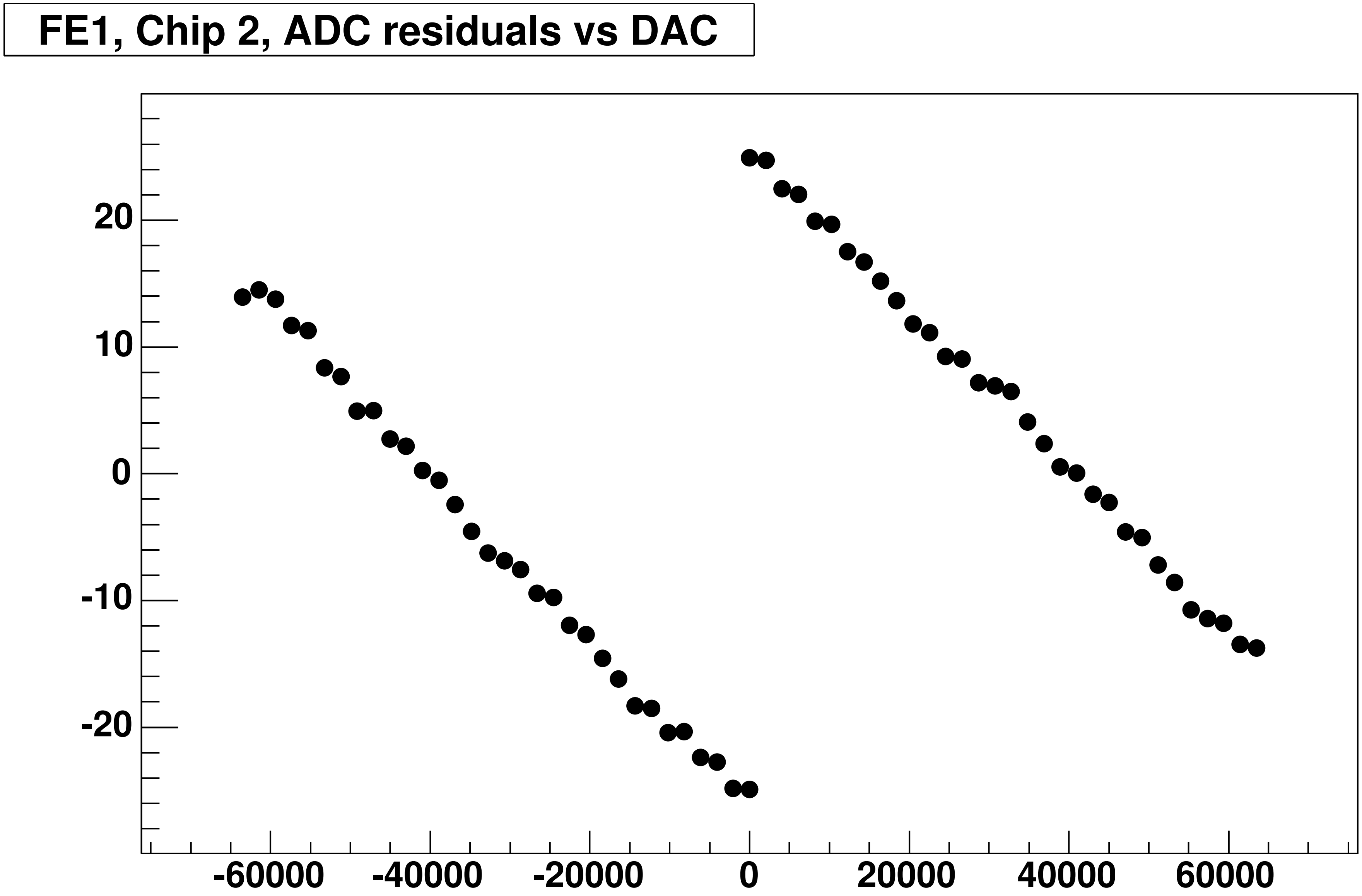


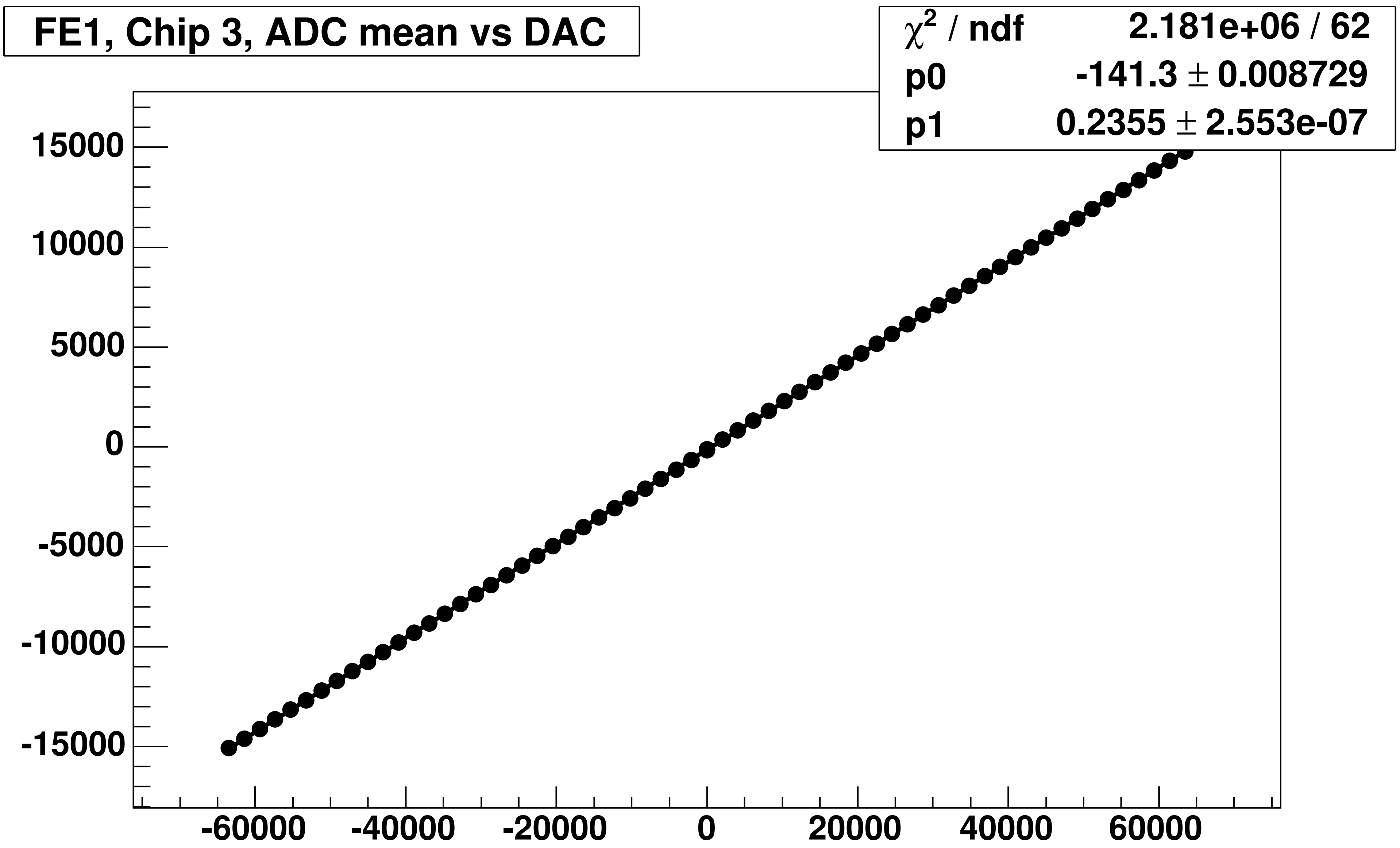
FE1, Chip 1, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000



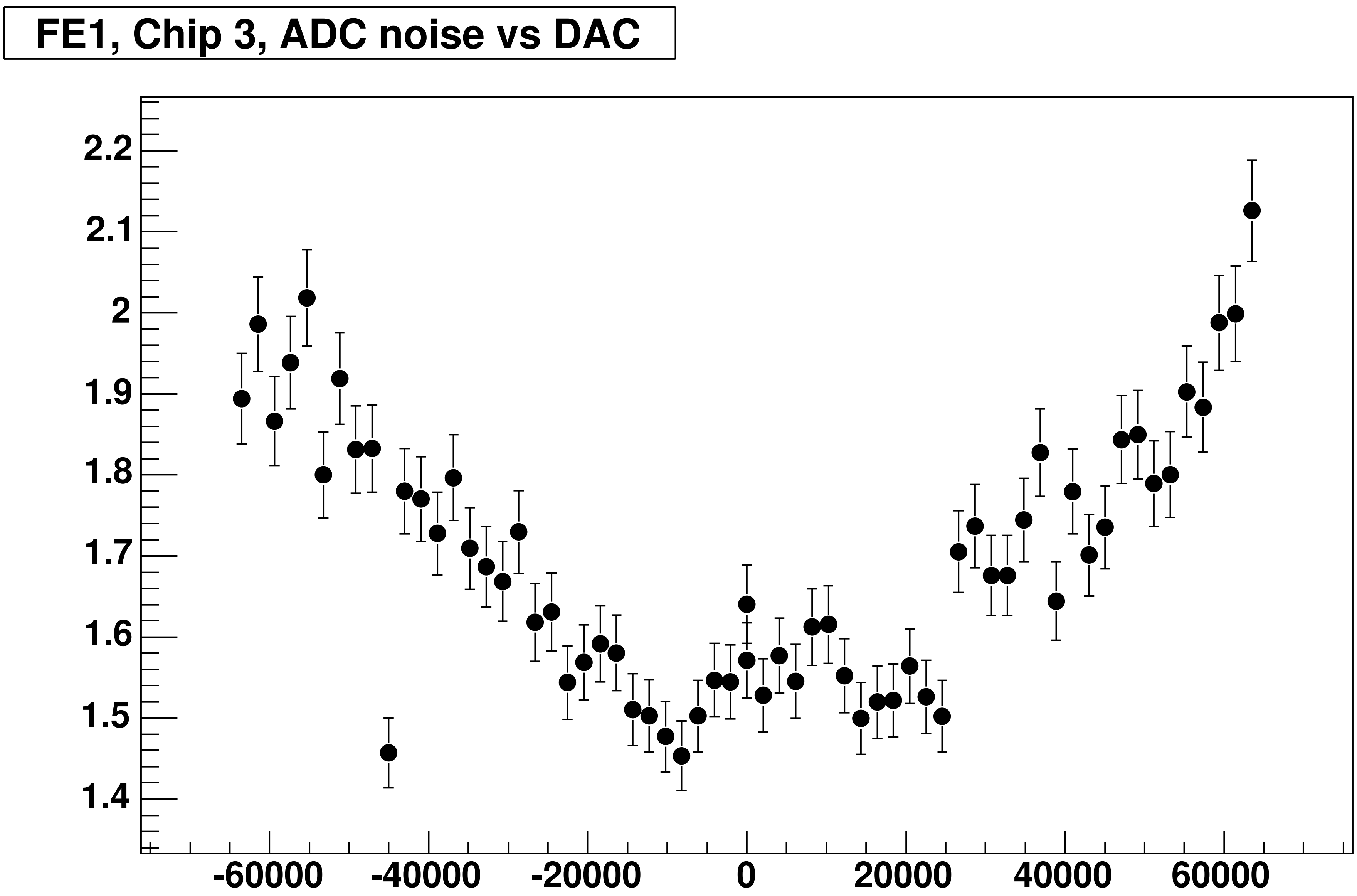
FE1, Chip 2, ADC mean vs DAC
χ^2 / ndf 2.65e+06 / 62
p0 -9.152 ± 0.008653
p1 0.2329 ± 2.552e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

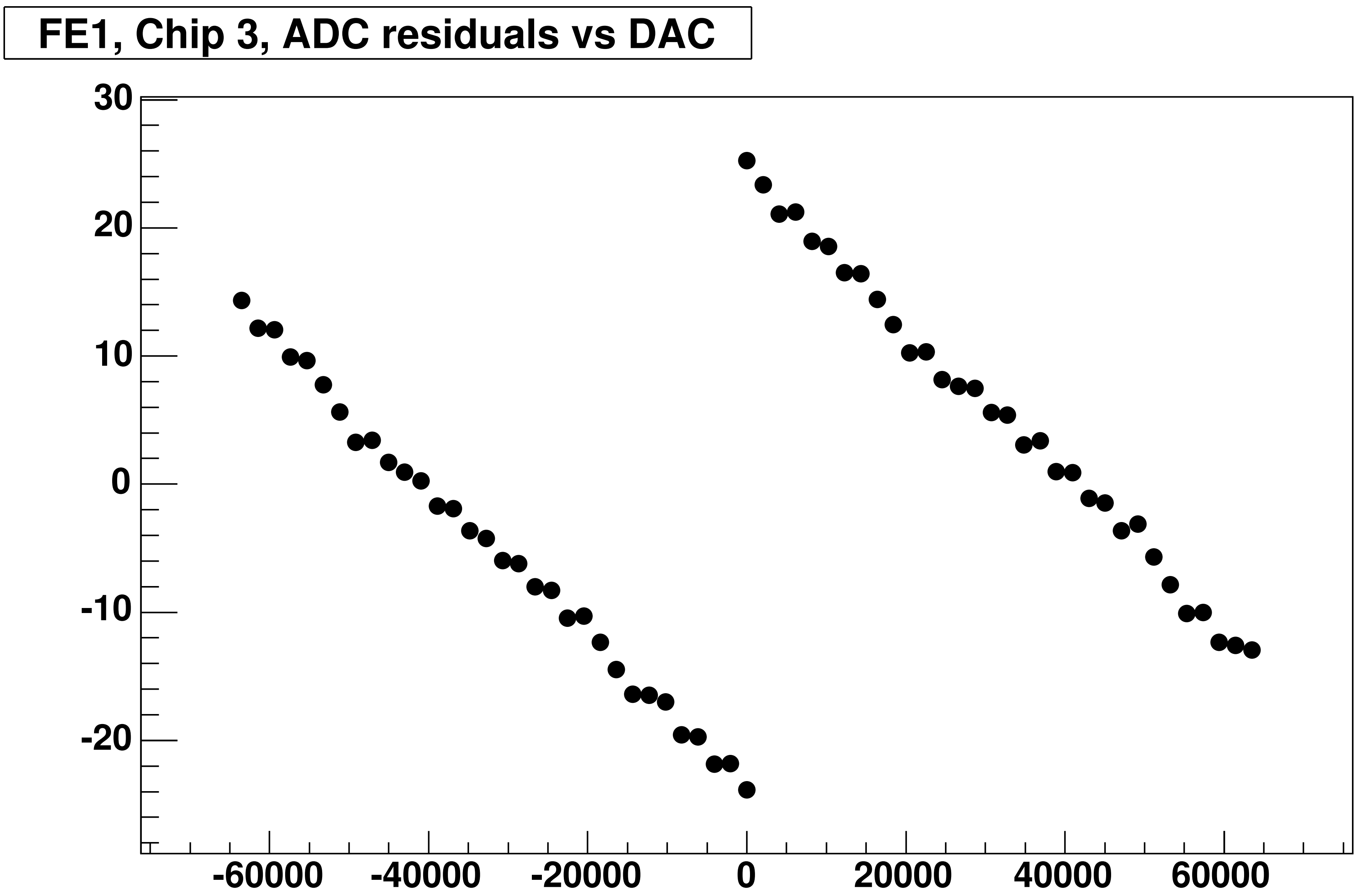

FE1, Chip 2, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 2, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

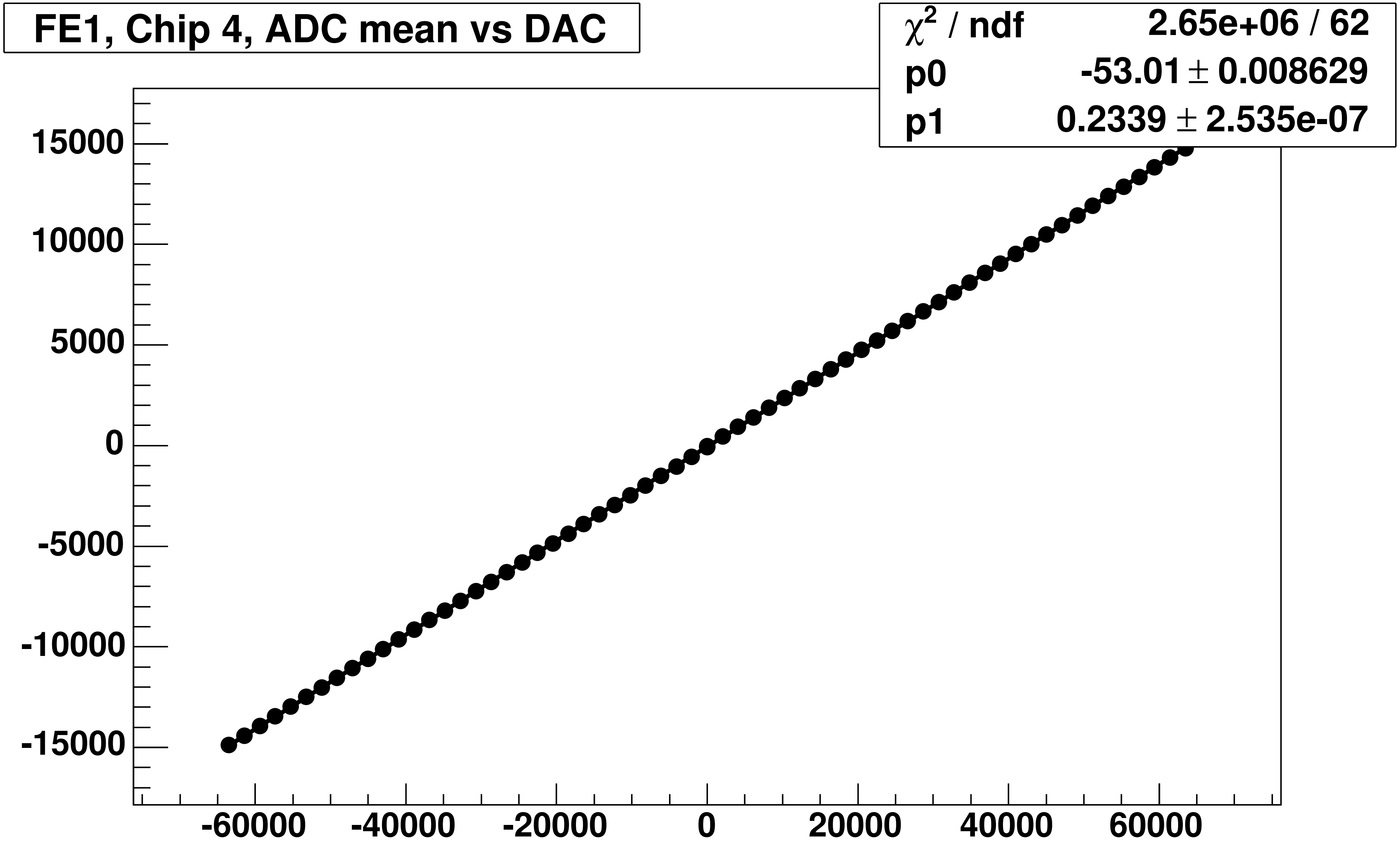


FE1, Chip 3, ADC mean vs DAC
χ^2 / ndf 2.181e+06 / 62
p0 -141.3 ± 0.008729
p1 0.2355 ± 2.553e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

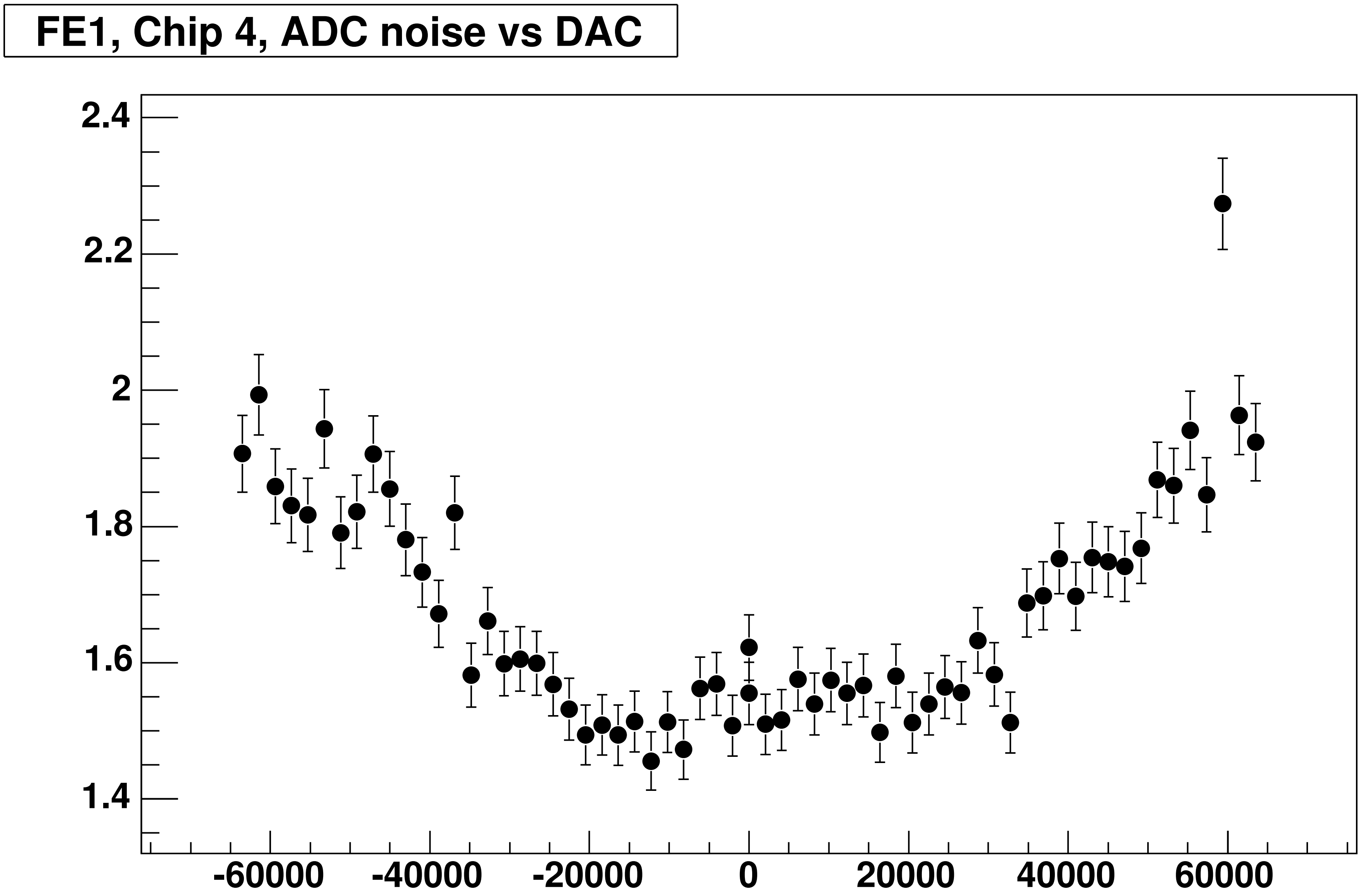

FE1, Chip 3, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000



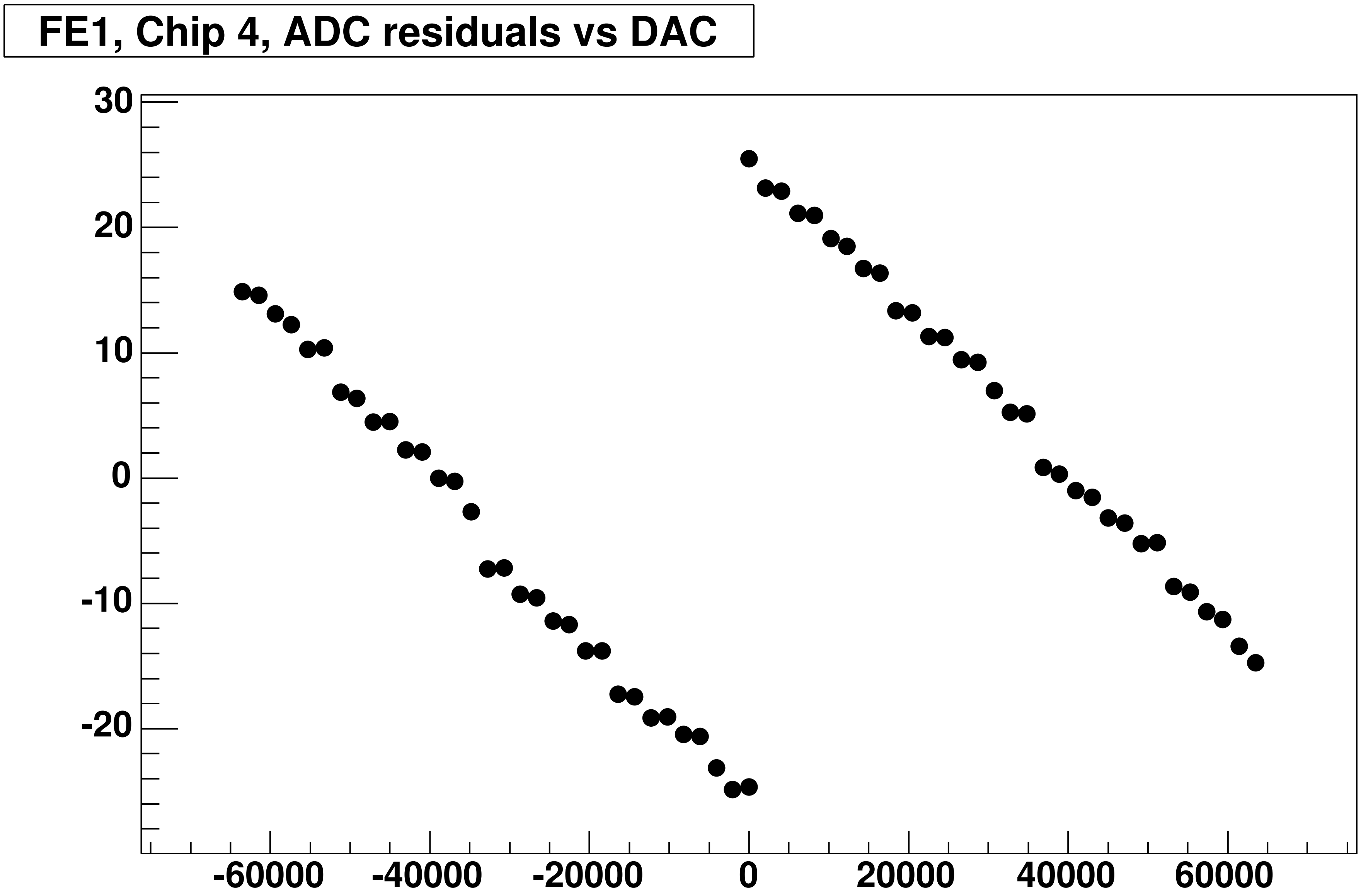
FE1, Chip 3, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

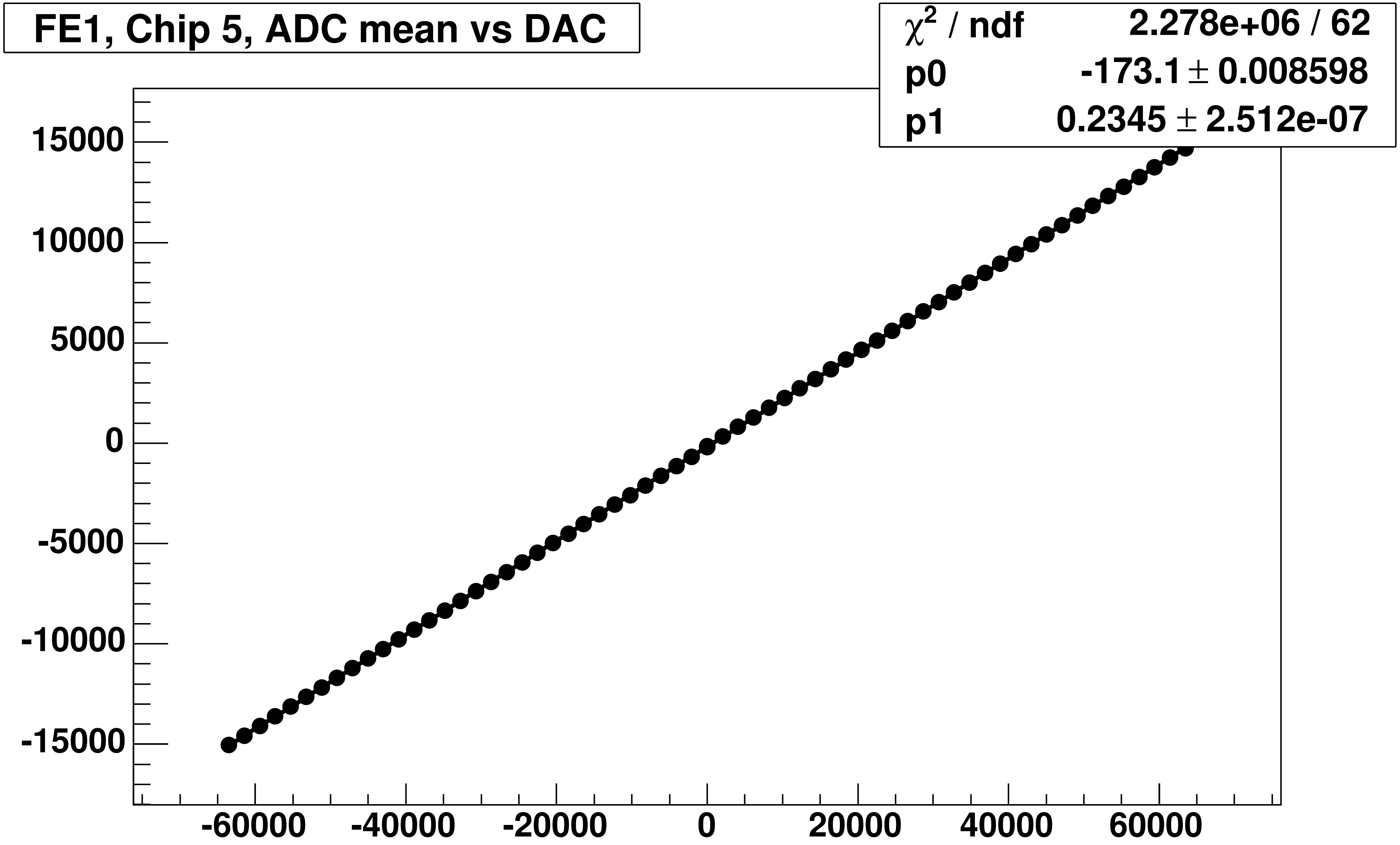


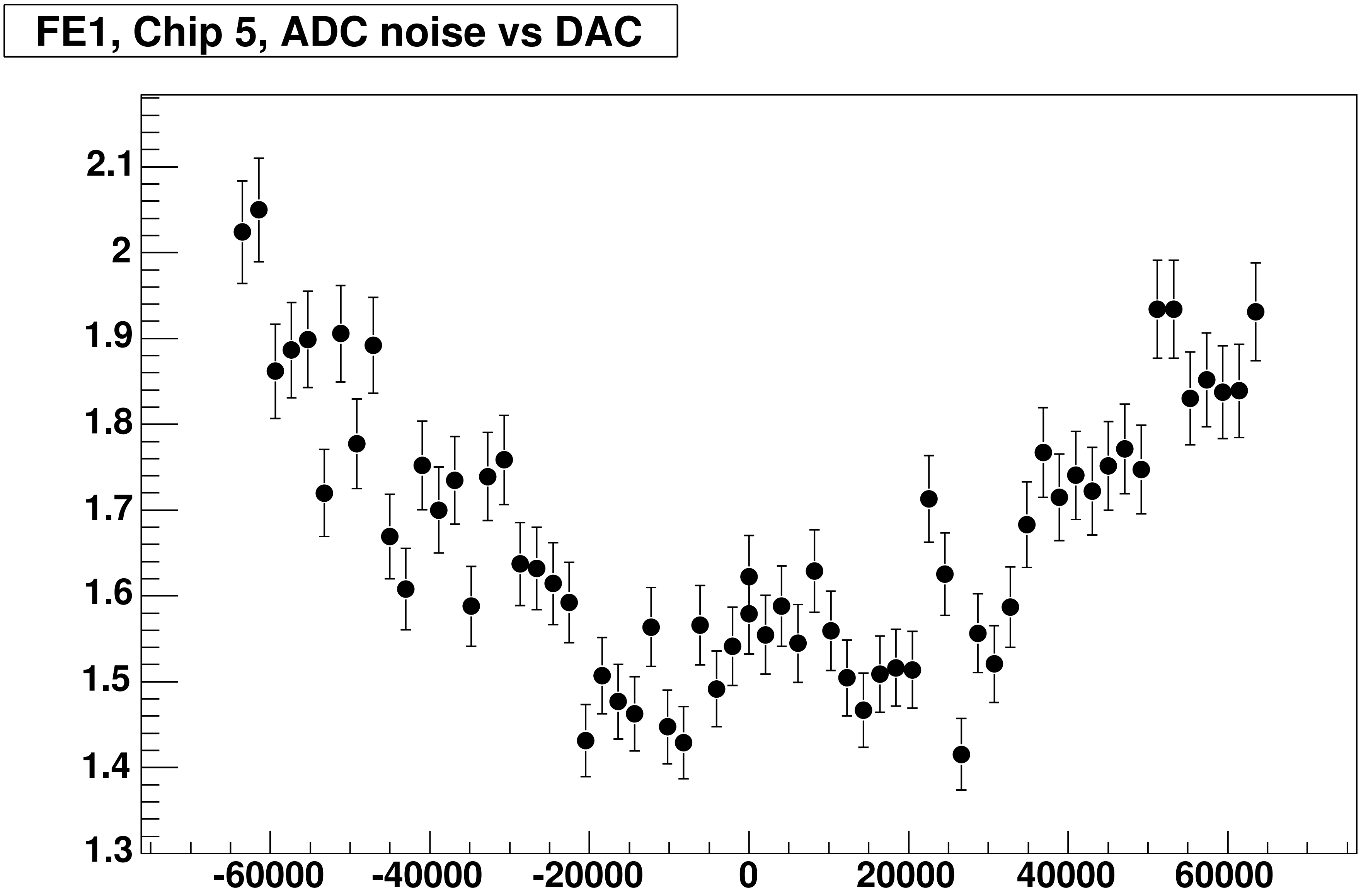
FE1, Chip 4, ADC mean vs DAC
χ^2 / ndf 2.65e+06 / 62
p0 -53.01 ± 0.008629
p1 0.2339 ± 2.535e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



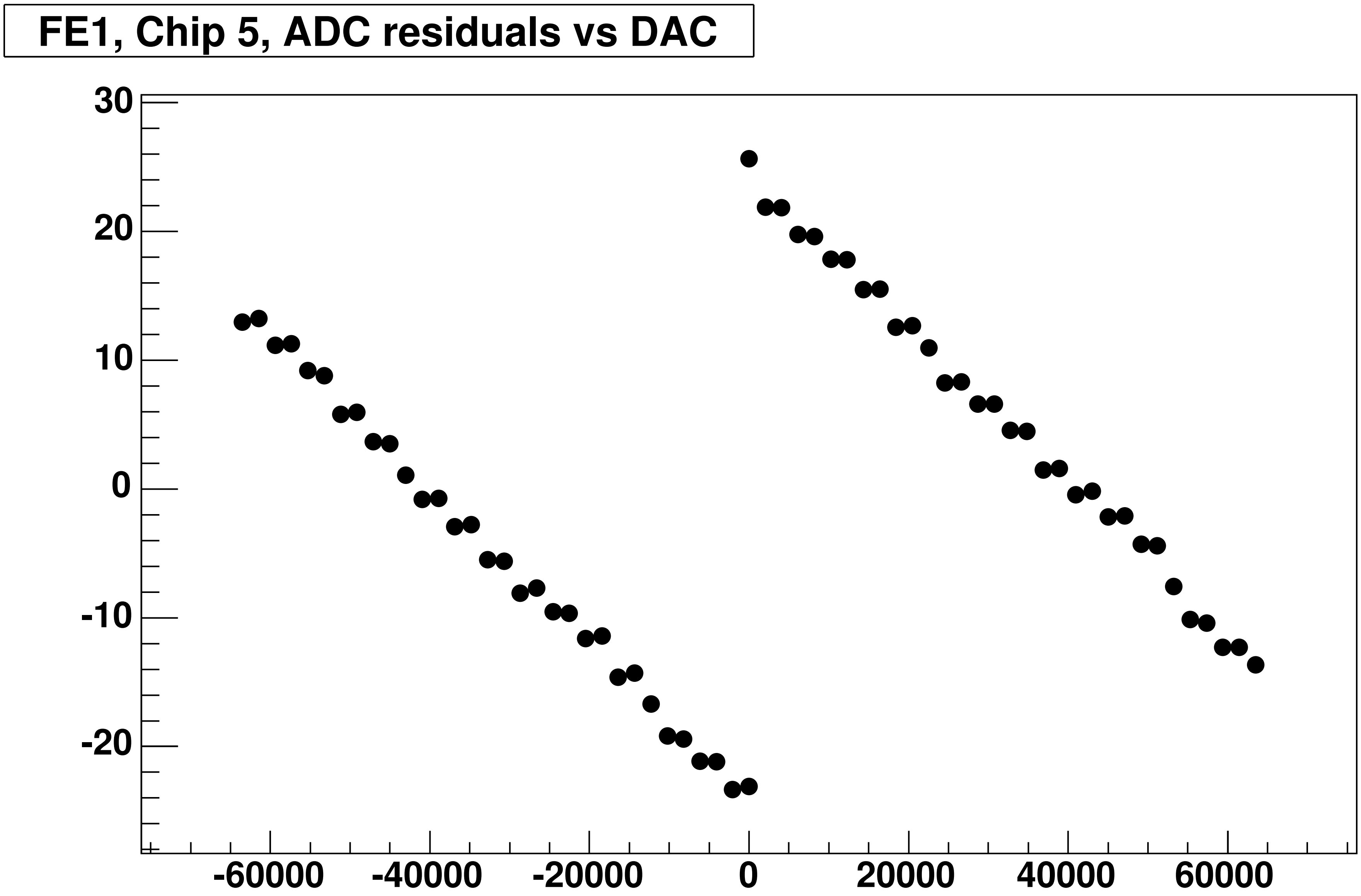
FE1, Chip 4, ADC noise vs DAC
2.4
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 4, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

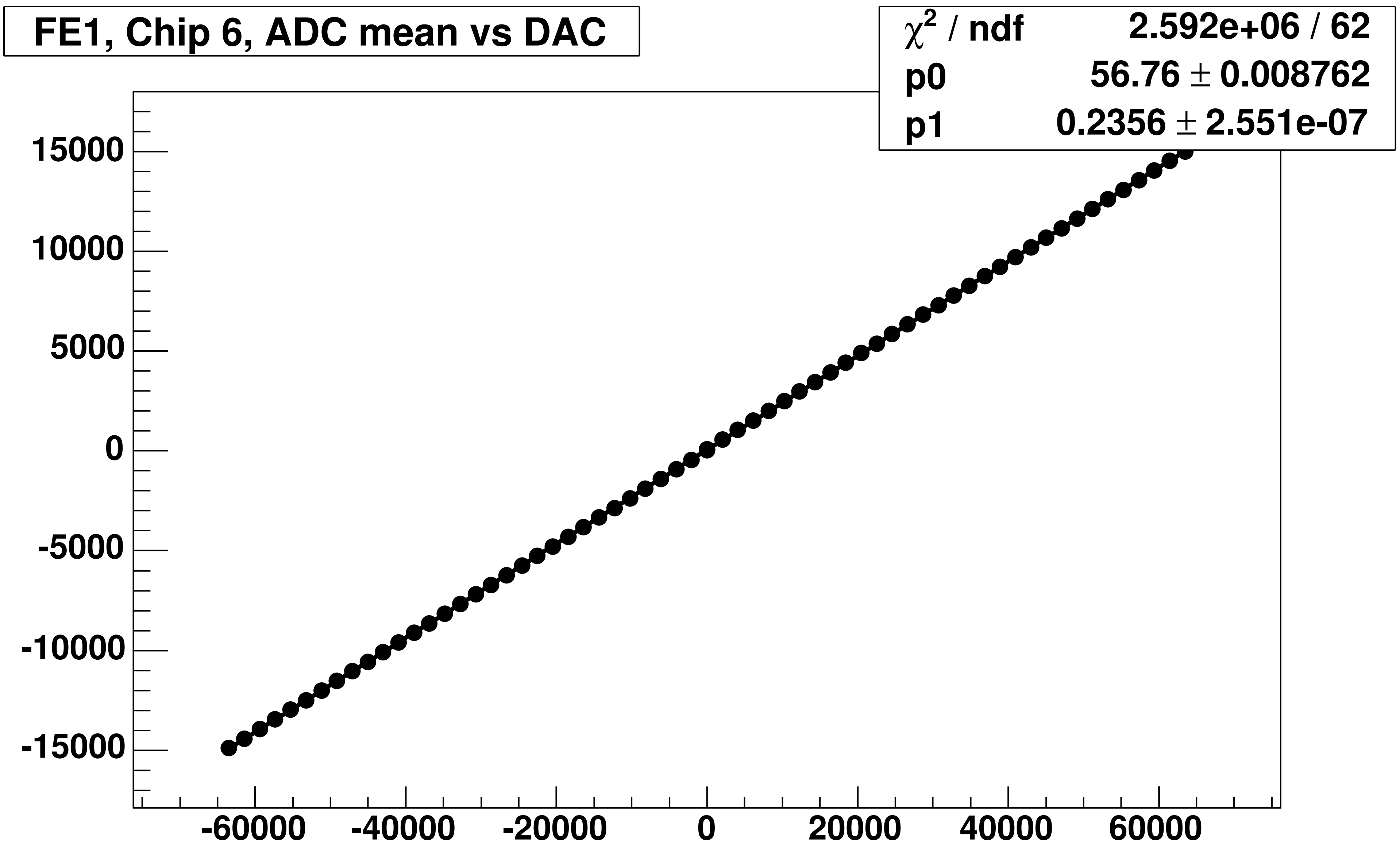

FE1, Chip 5, ADC mean vs DAC
χ^2 / ndf 2.278e+06 / 62
p0 -173.1 ± 0.008598
p1 0.2345 ± 2.512e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

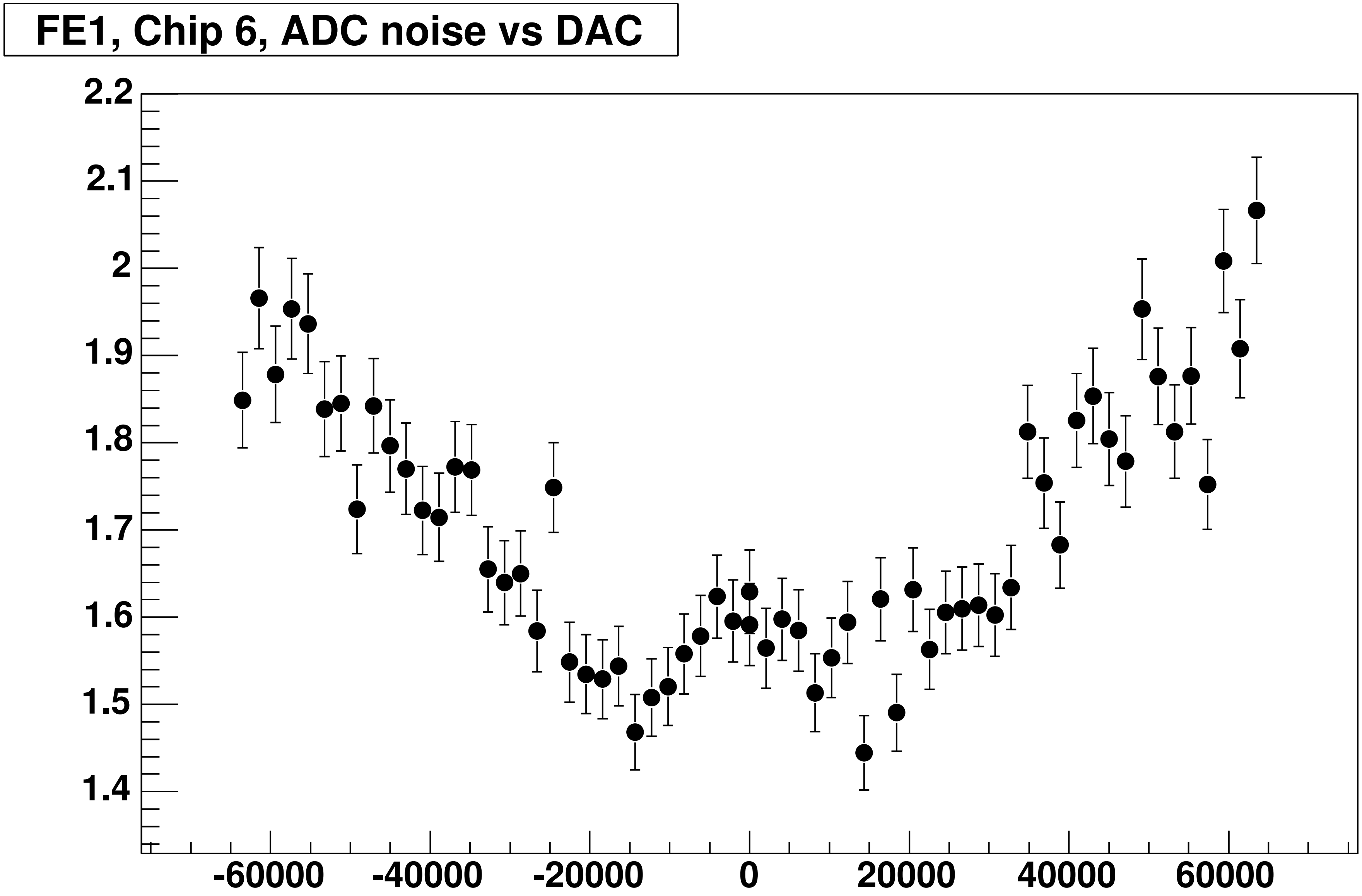


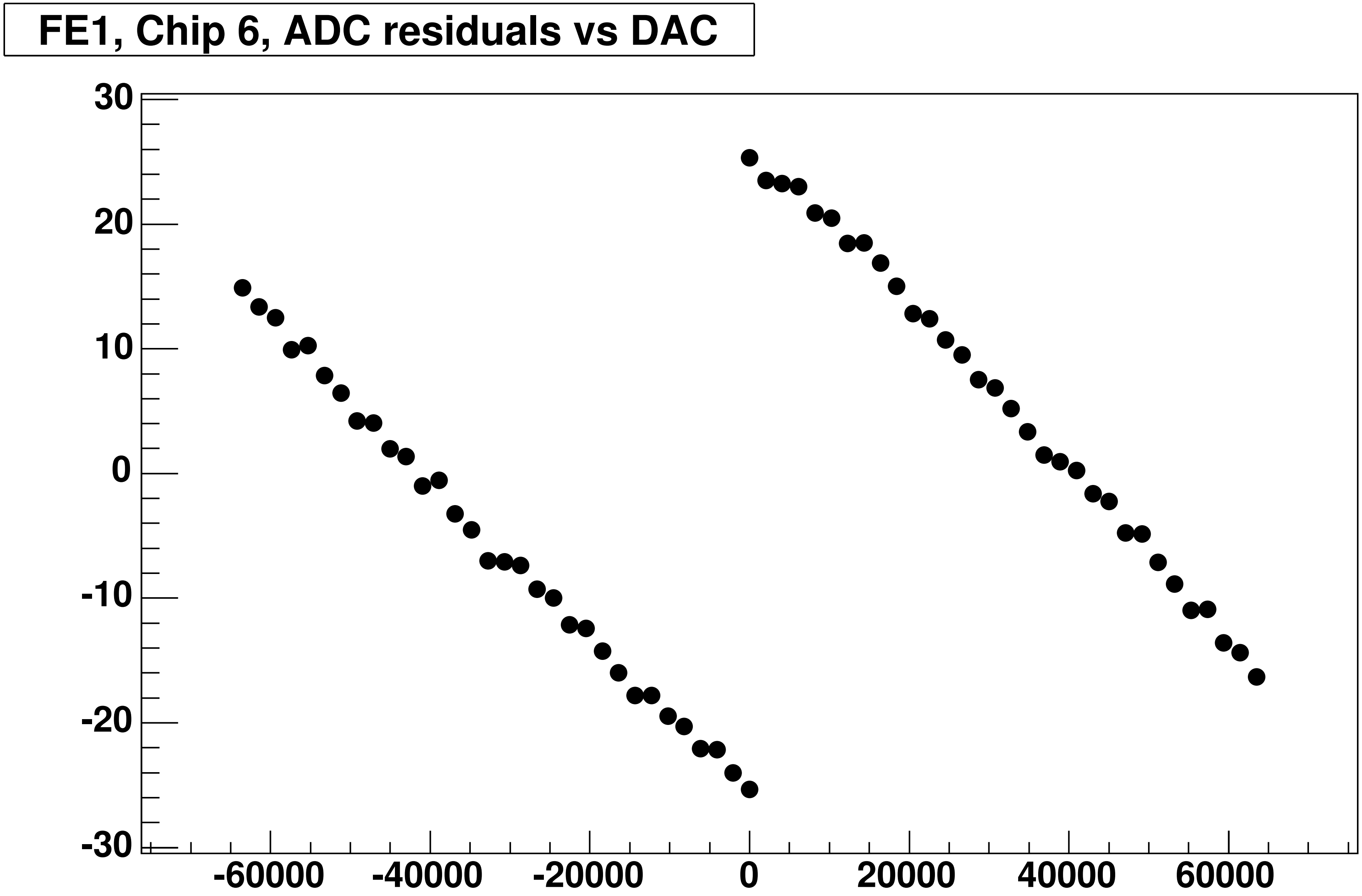
FE1, Chip 5, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

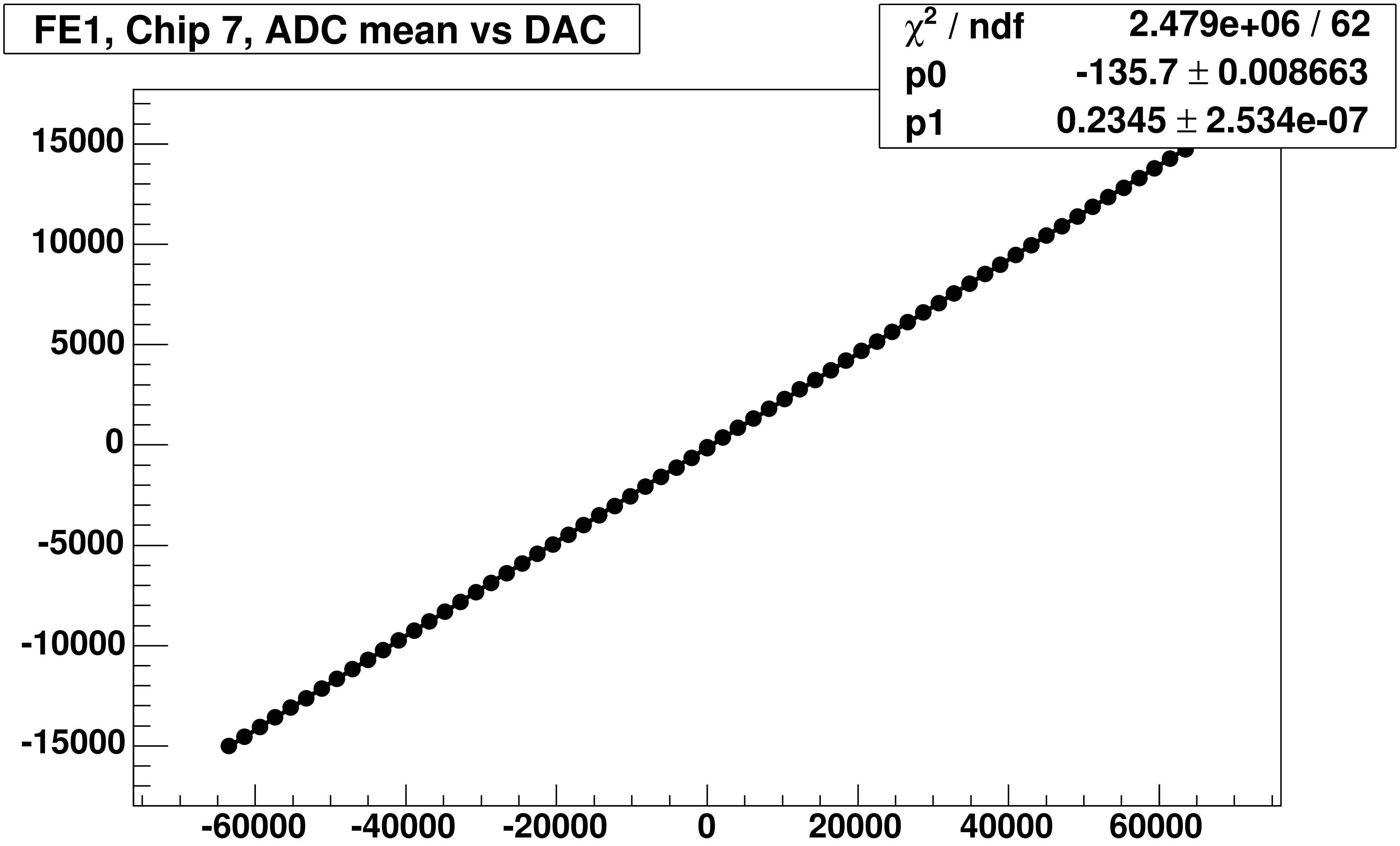


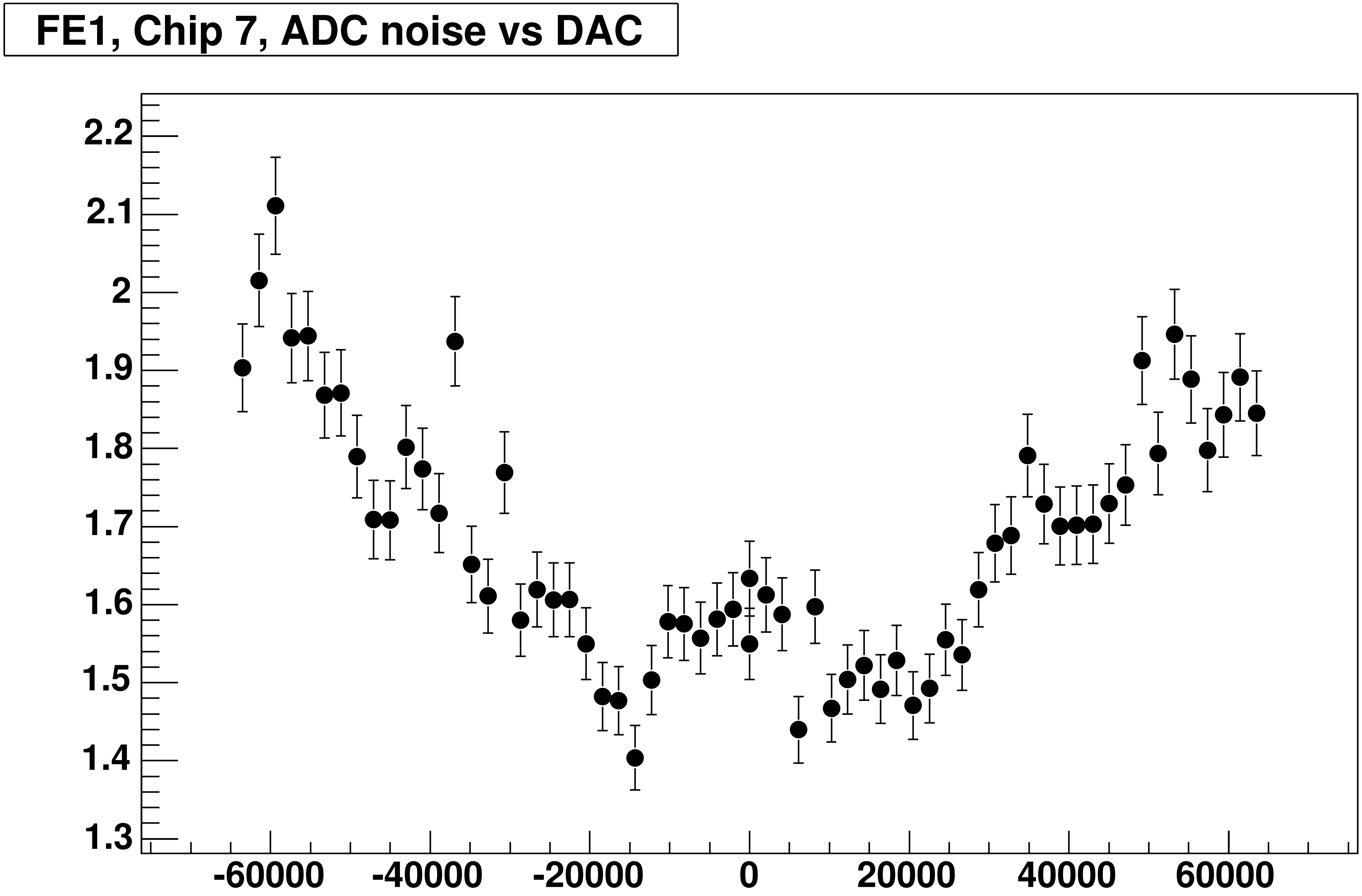
FE1, Chip 5, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 6, ADC mean vs DAC
χ^2 / ndf 2.592e+06 / 62
p0 56.76 ± 0.008762
p1 0.2356 ± 2.551e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

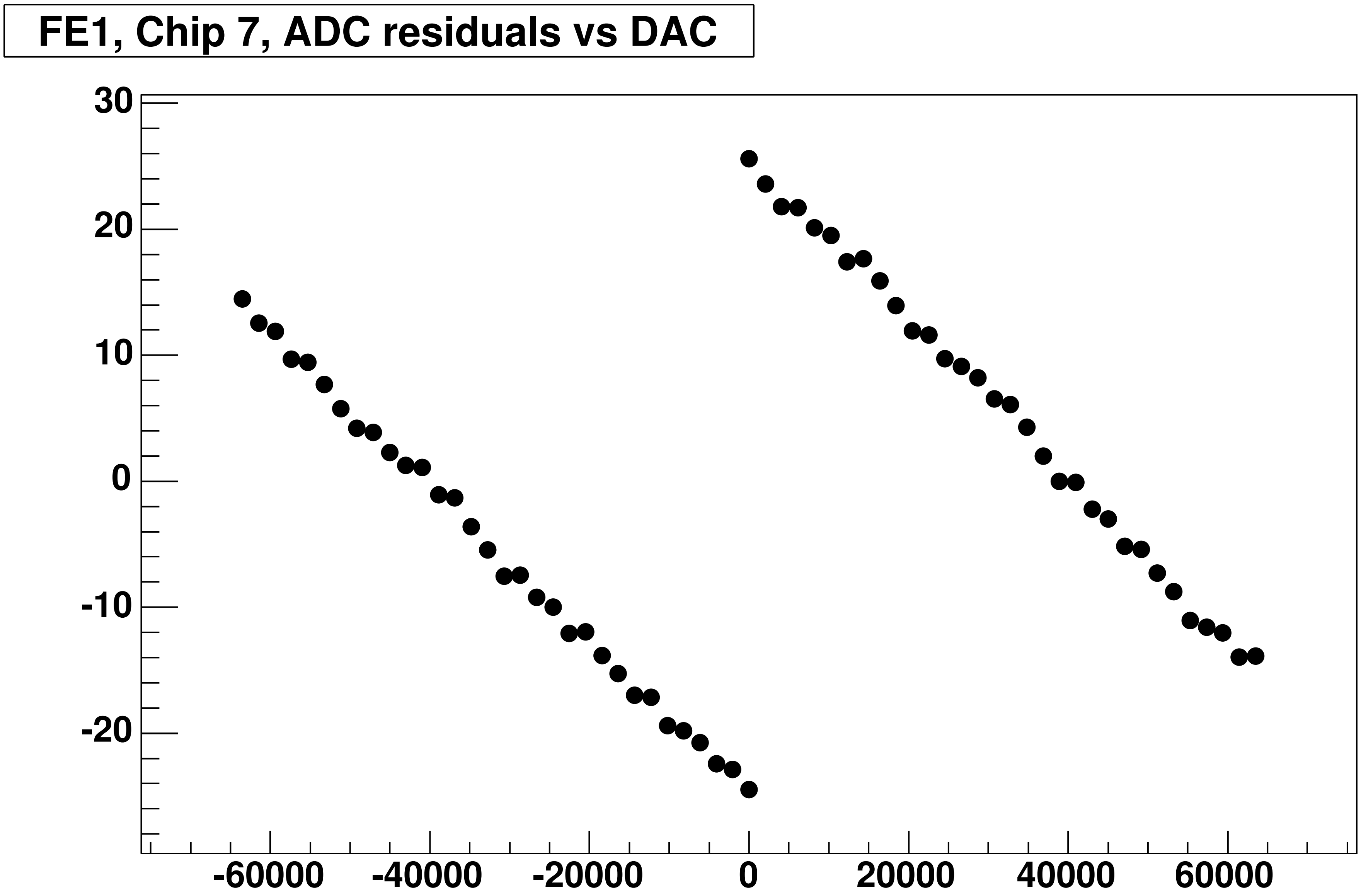

FE1, Chip 6, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 6, ADC residuals vs DAC
30
20
10
0
-10
-20
-30
-60000
-40000
-20000
0
20000
40000
60000

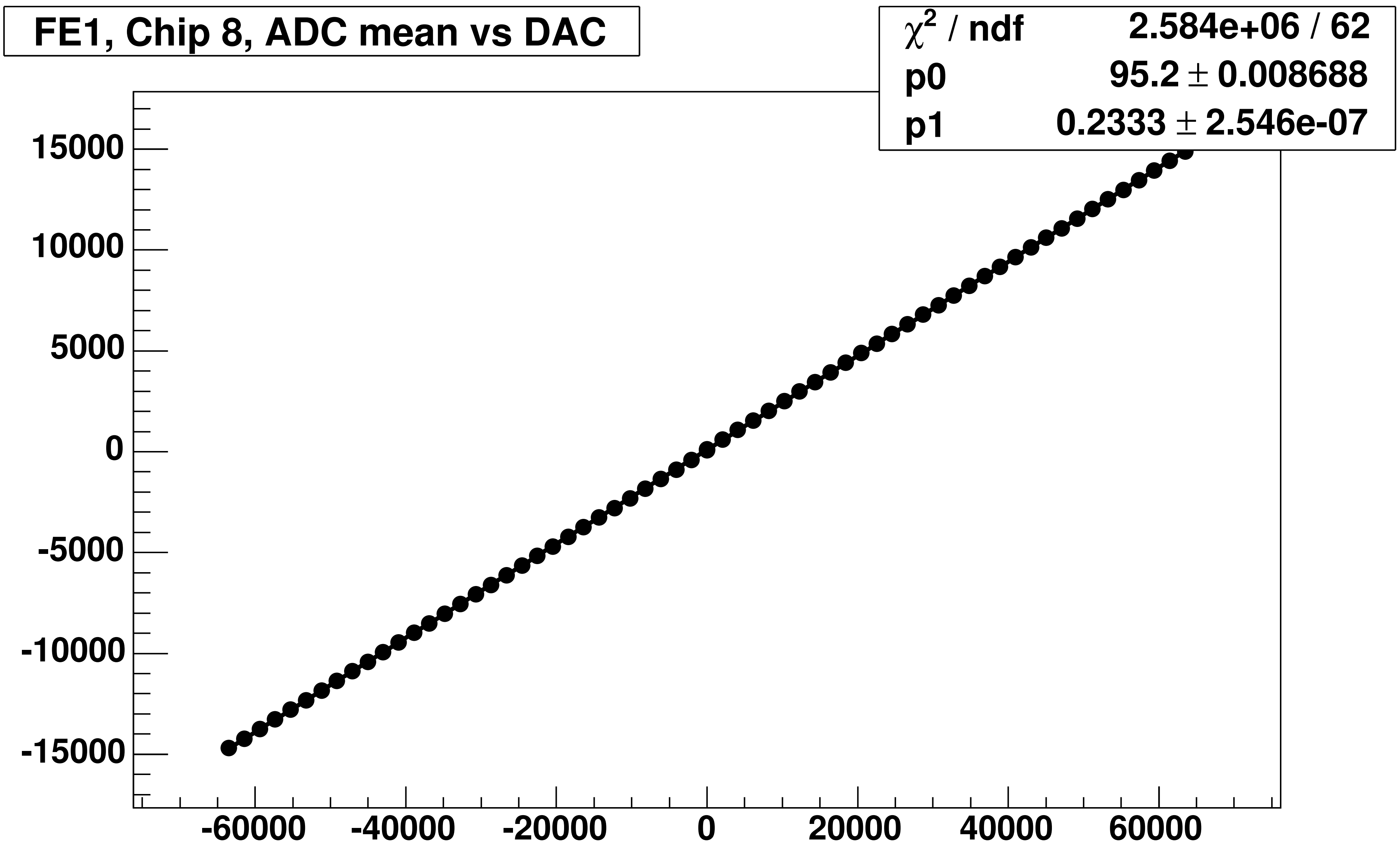

FE1, Chip 7, ADC mean vs DAC
χ² / ndf 2.479e+06 / 62
p0 -135.7 ± 0.008663
p1 0.2345 ± 2.534e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



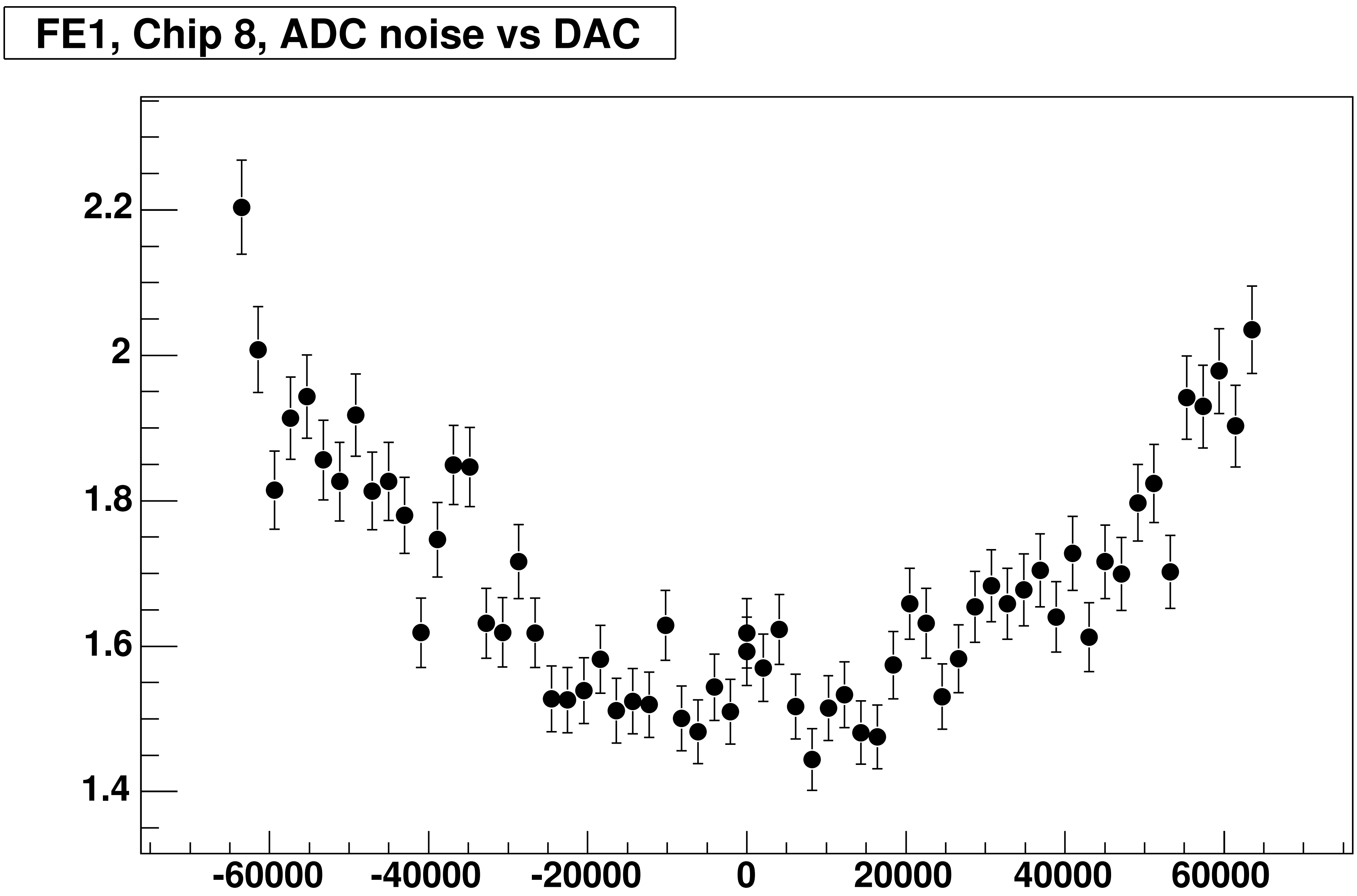
FE1, Chip 7, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

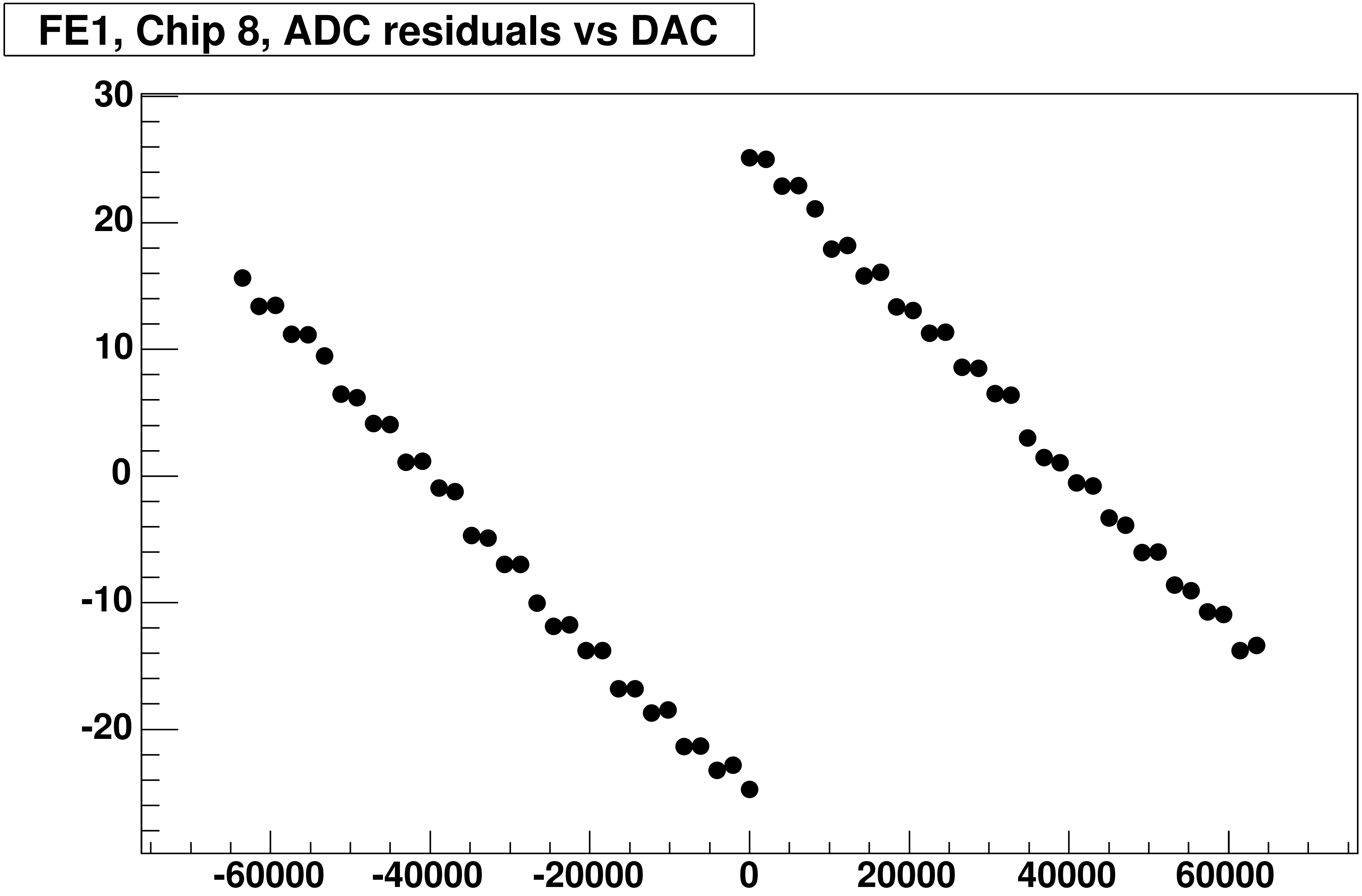


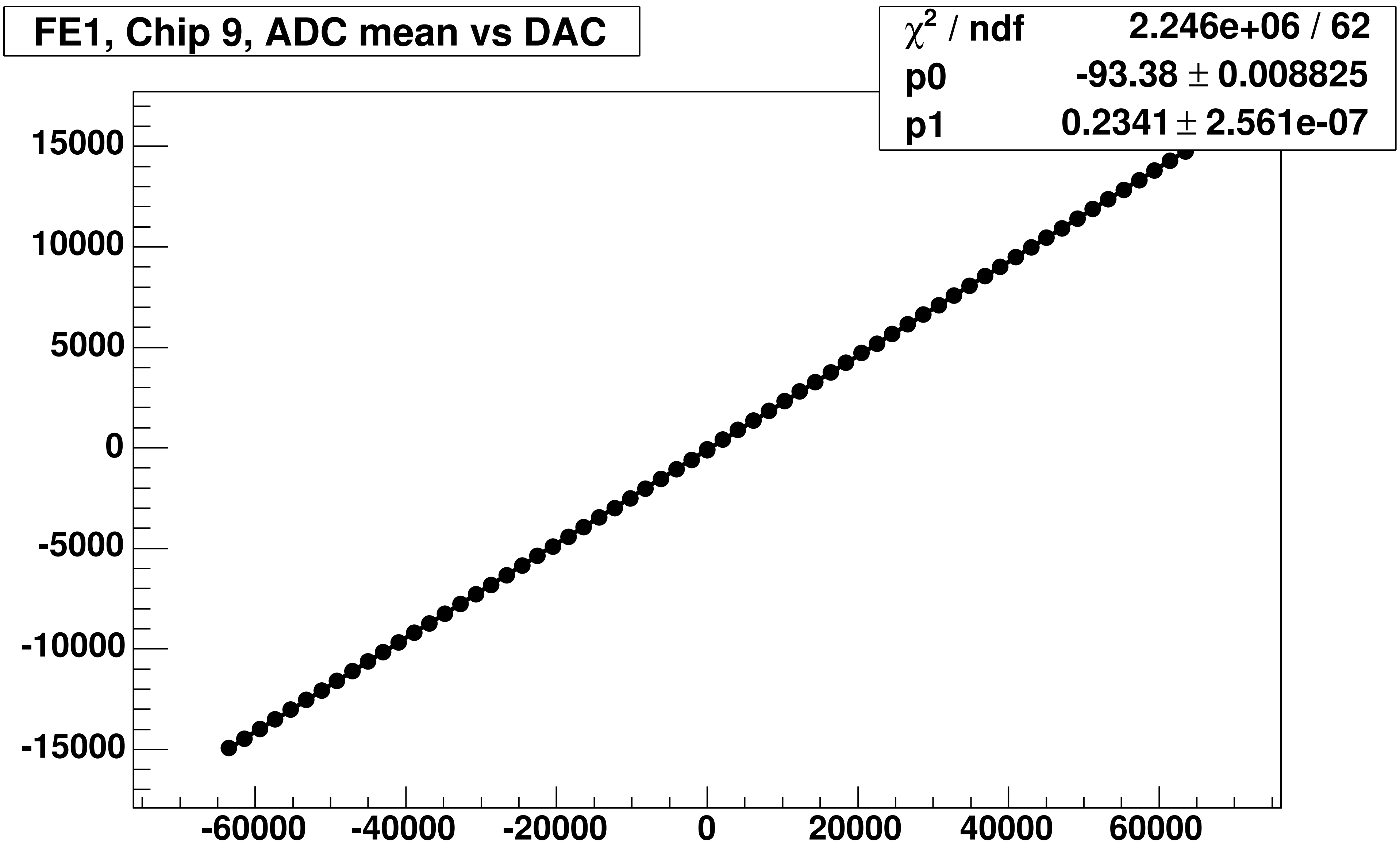
FE1, Chip 7, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000



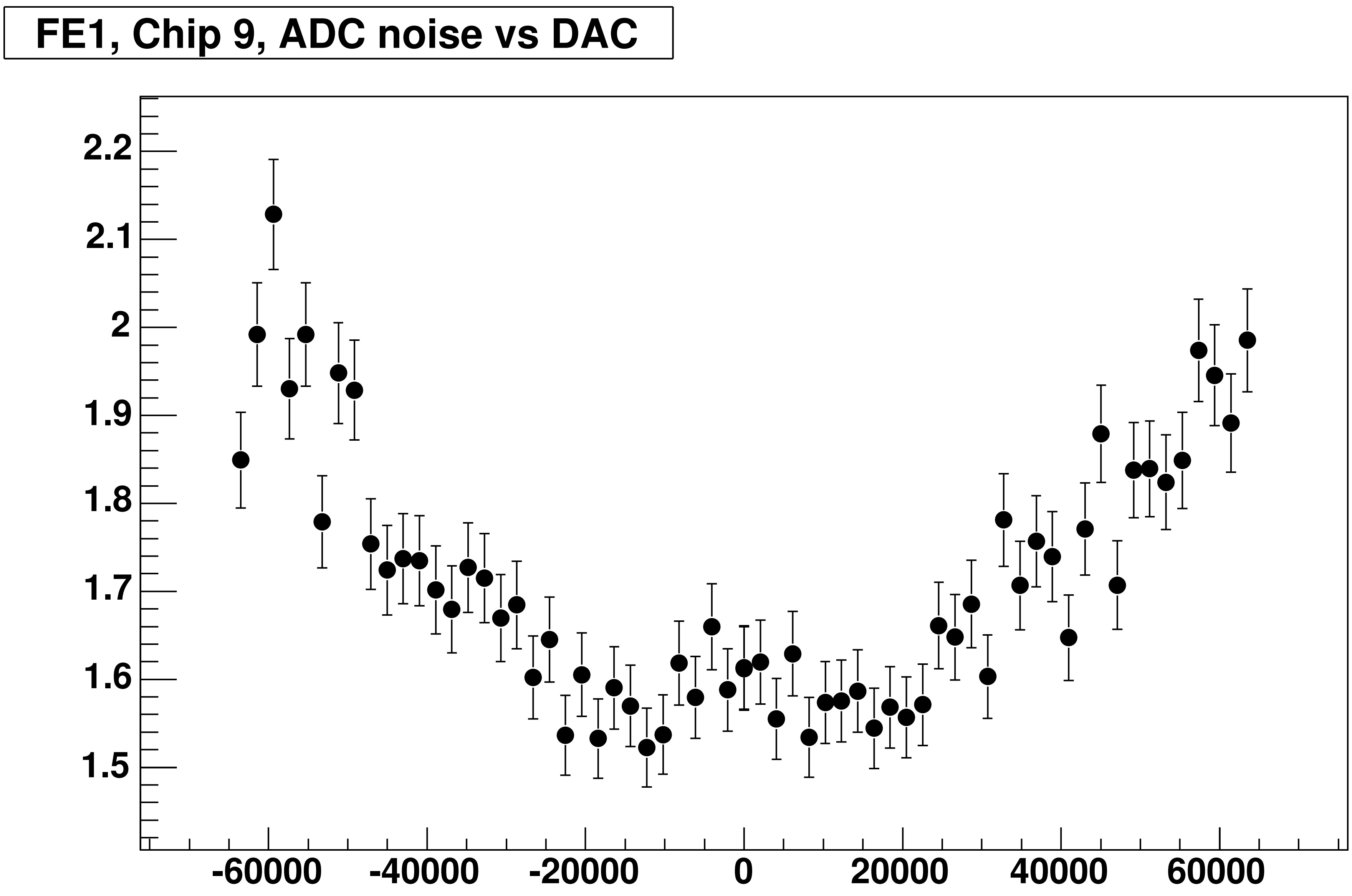
FE1, Chip 8, ADC mean vs DAC
χ2 / ndf 2.584e+06 / 62
p0 95.2 ± 0.008688
p1 0.2333 ± 2.546e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

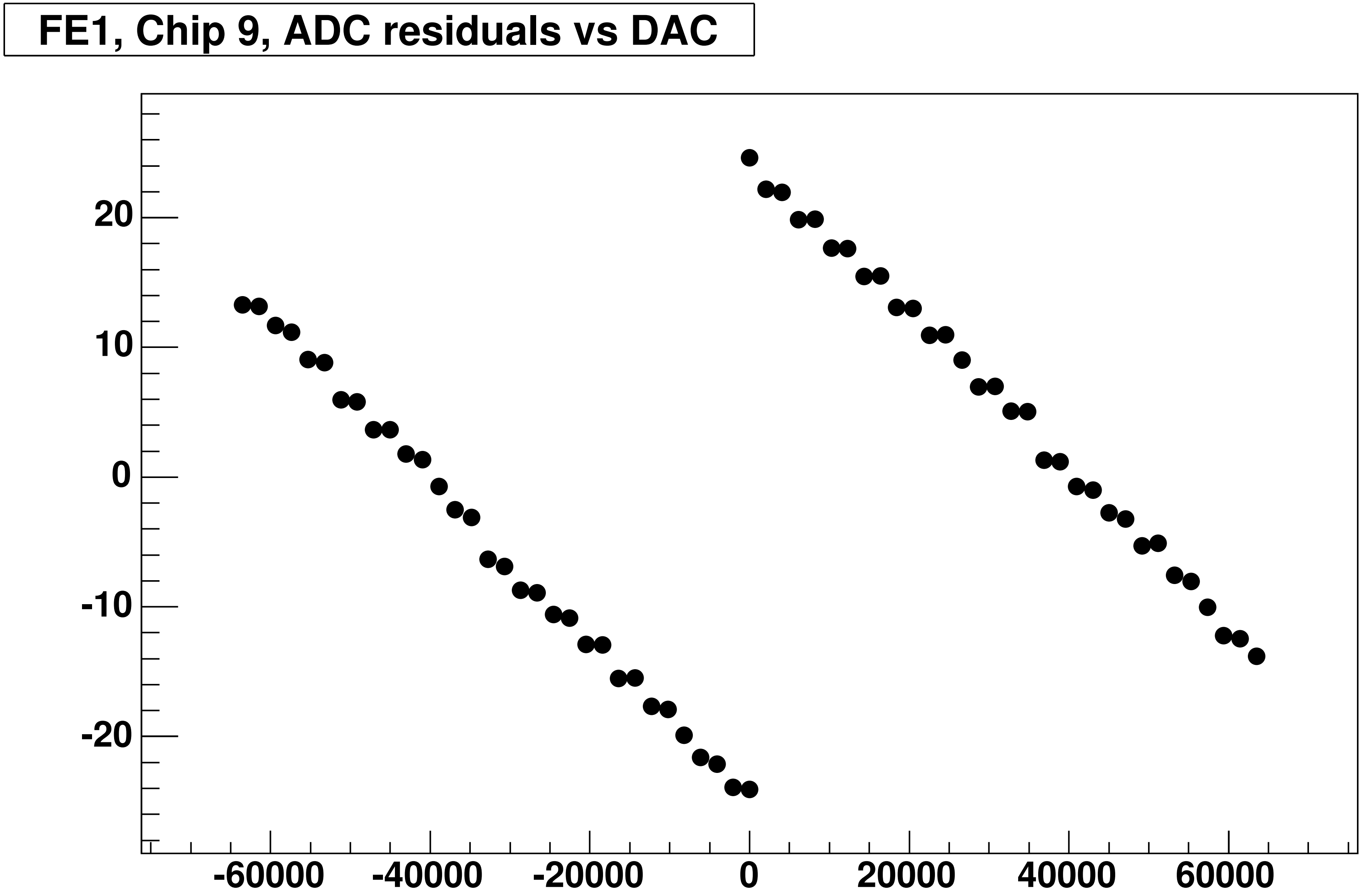

FE1, Chip 8, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

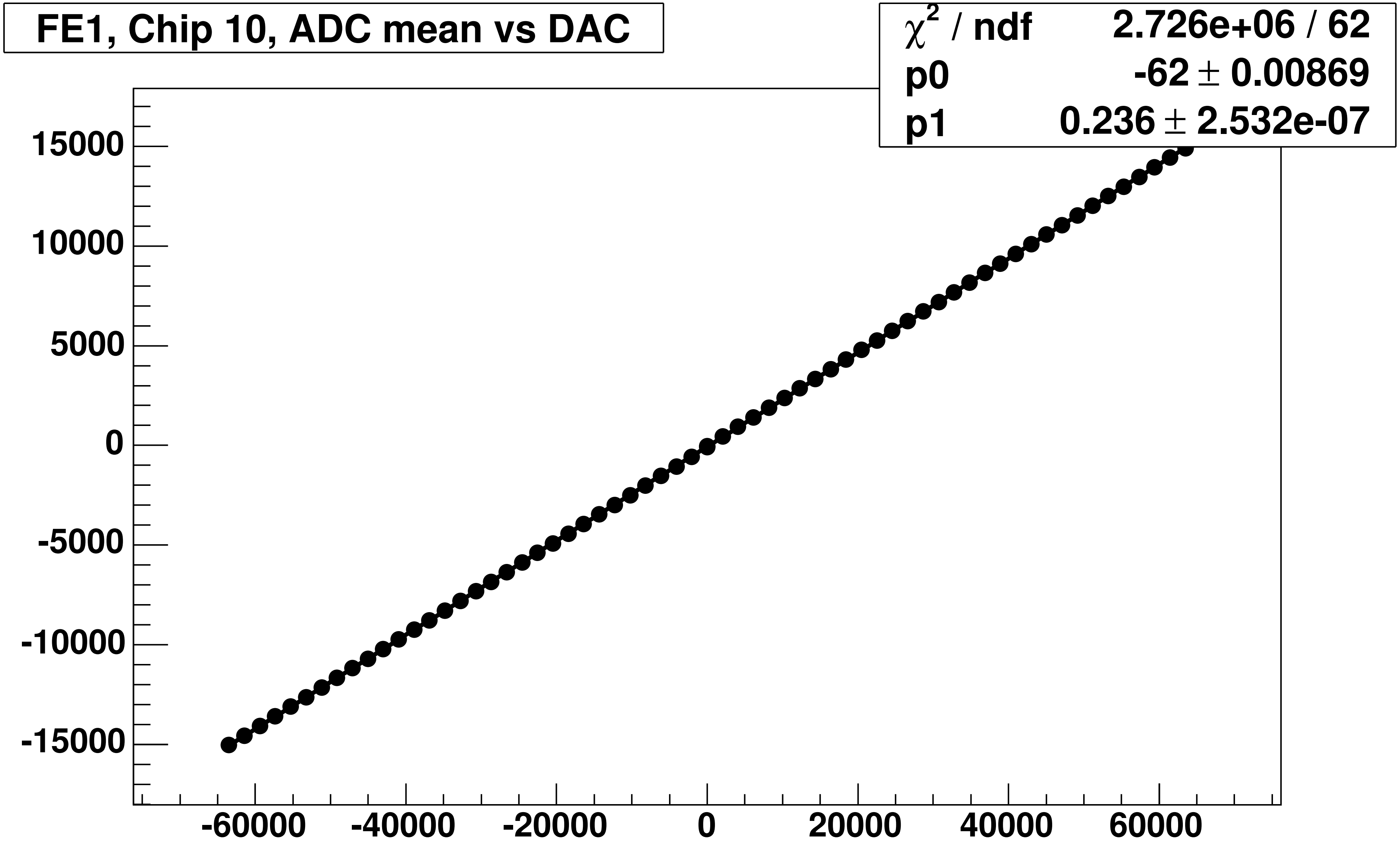

FE1, Chip 8, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000



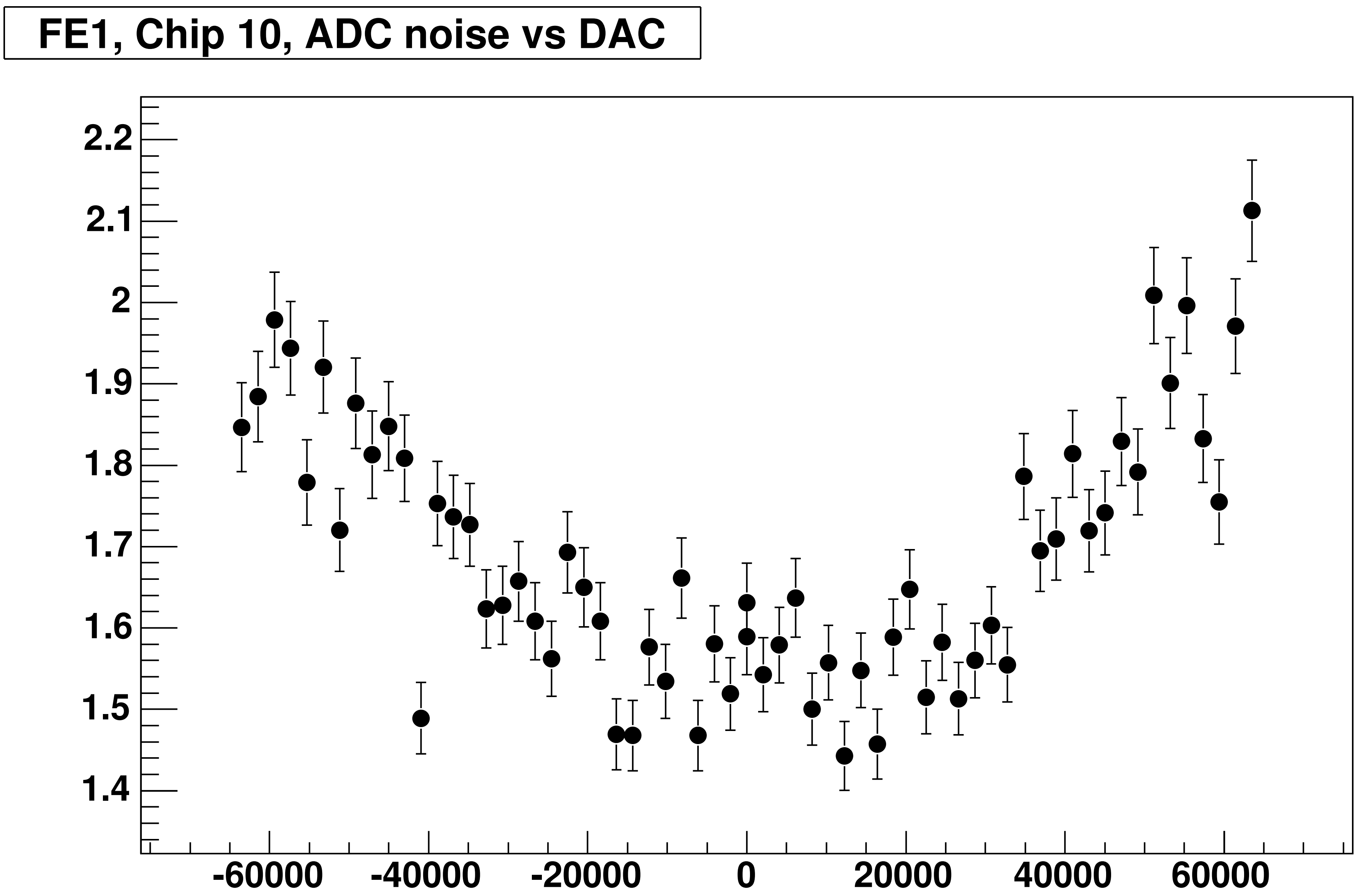
FE1, Chip 9, ADC mean vs DAC
χ^2 / ndf 2.246e+06 / 62
p0 -93.38 ± 0.008825
p1 0.2341 ± 2.561e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

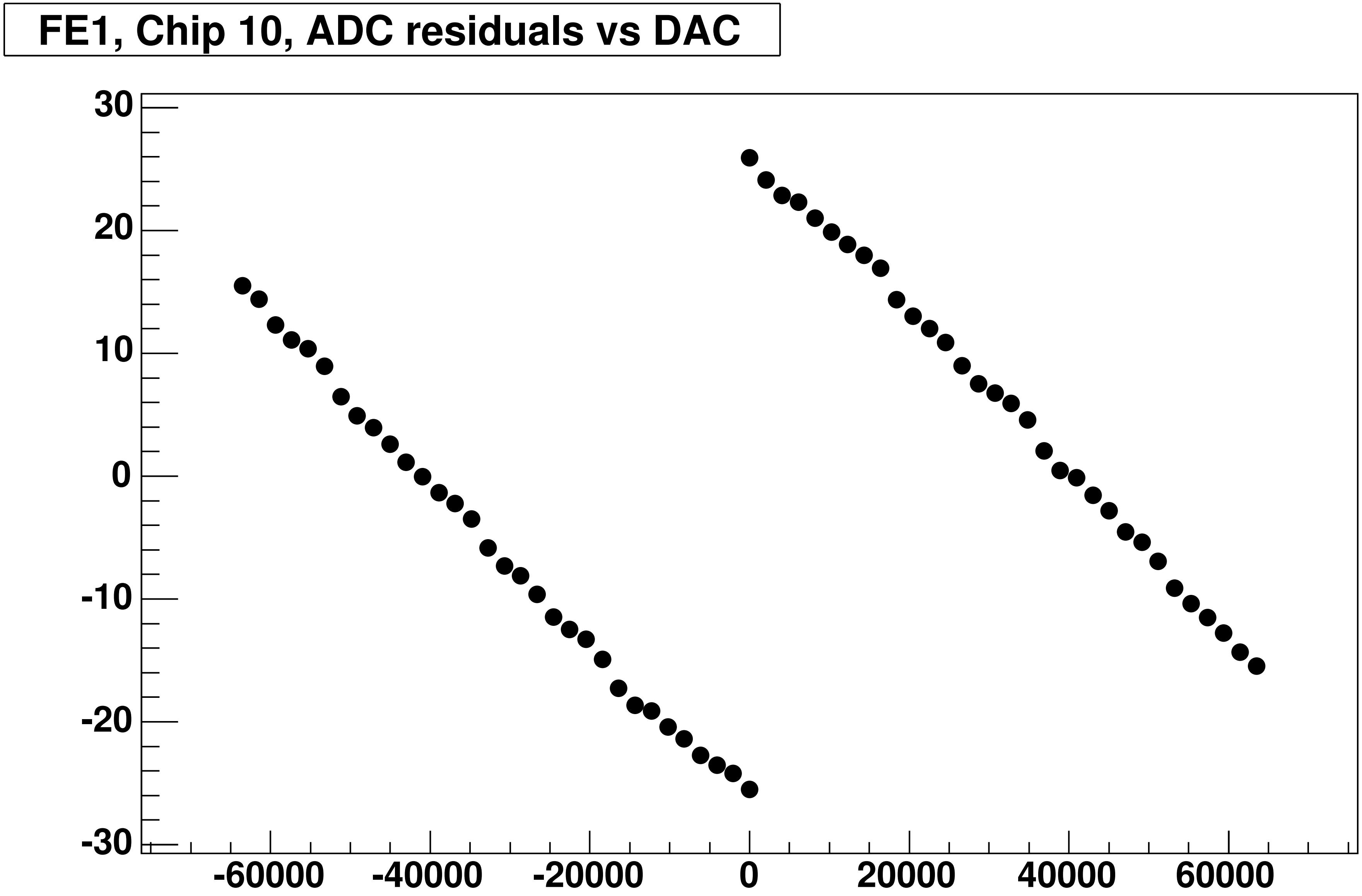

FE1, Chip 9, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 9, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

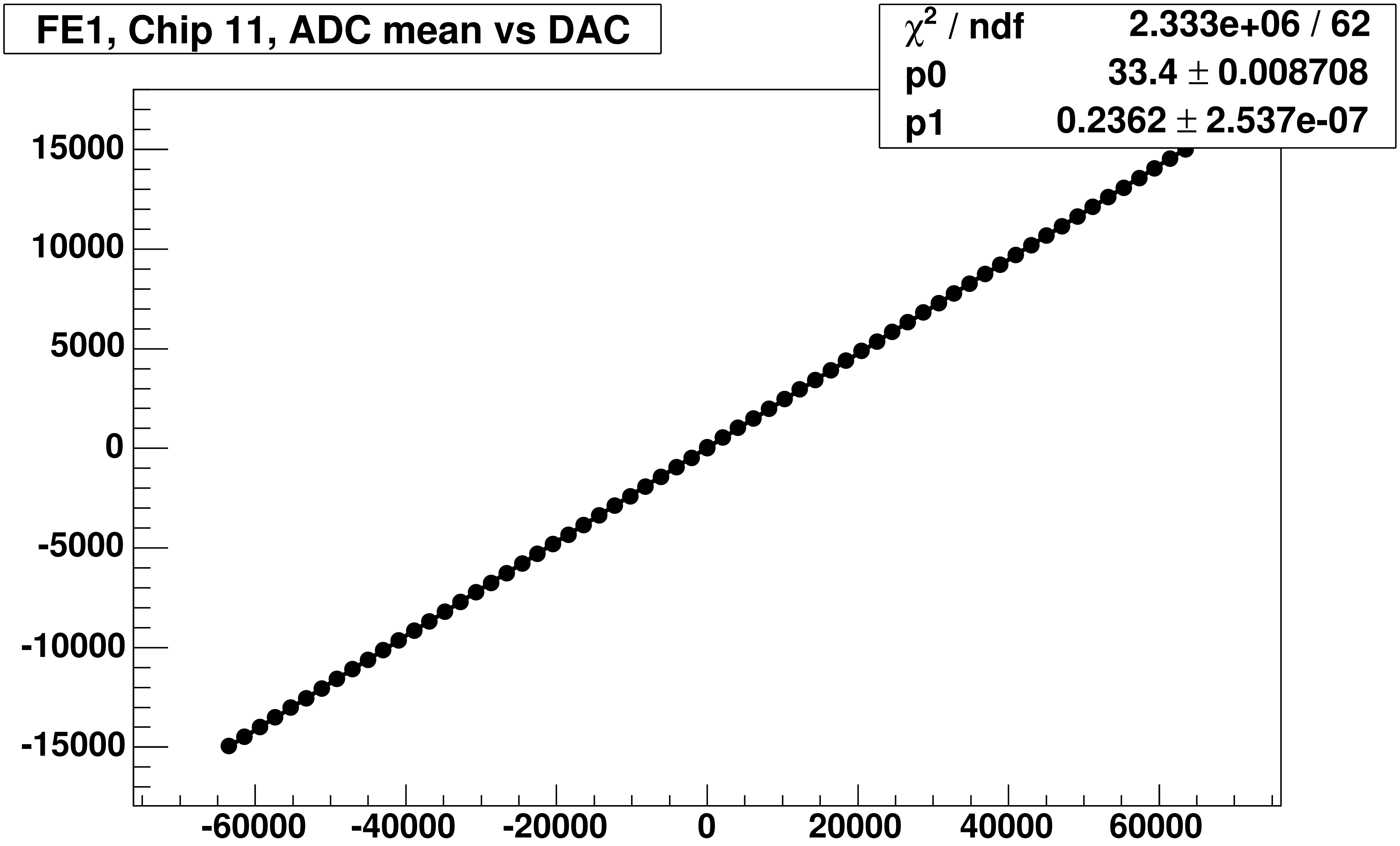


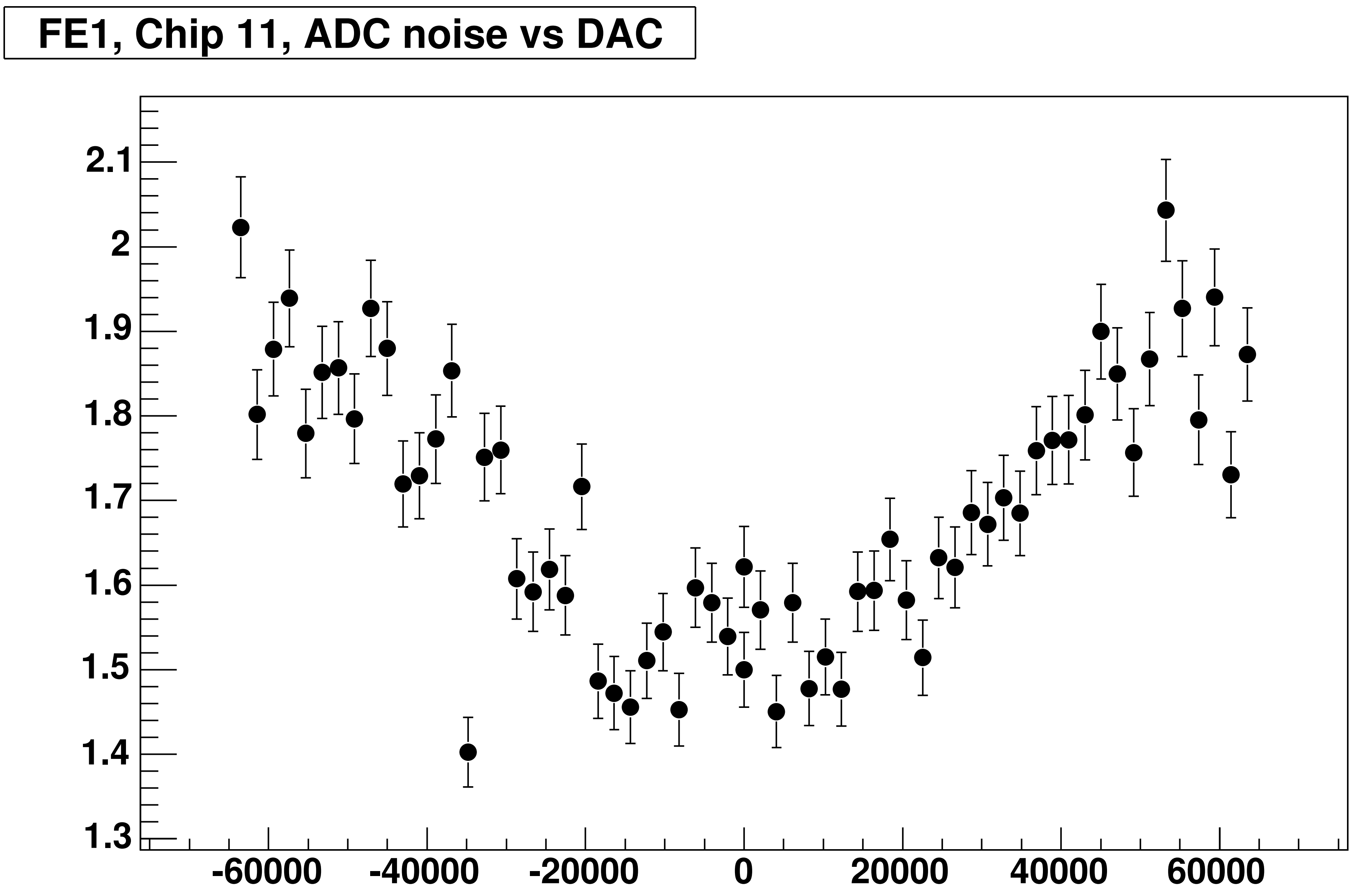
FE1, Chip 10, ADC mean vs DAC
χ² / ndf 2.726e+06 / 62
p0 -62 ± 0.00869
p1 0.236 ± 2.532e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 10, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

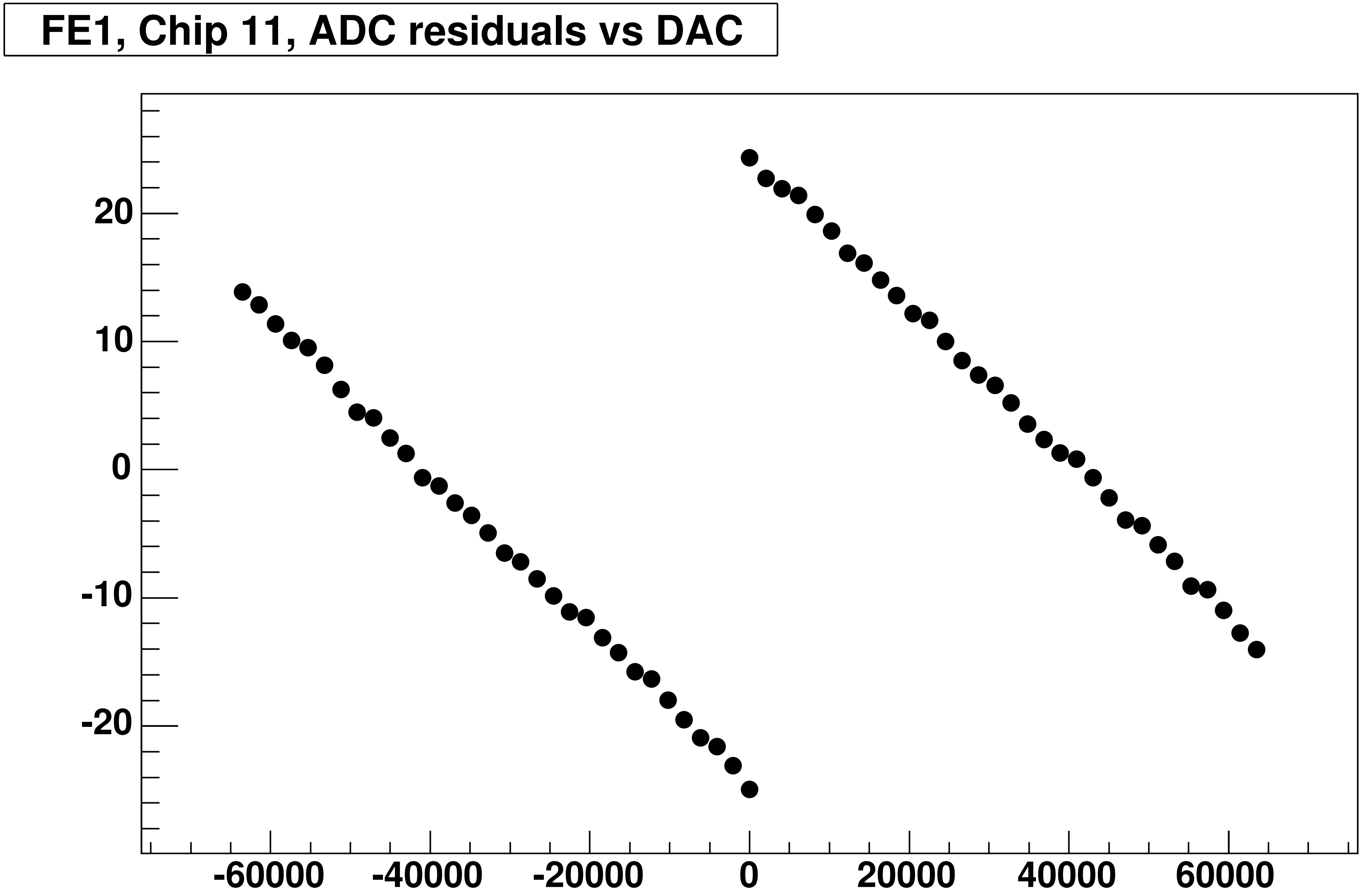


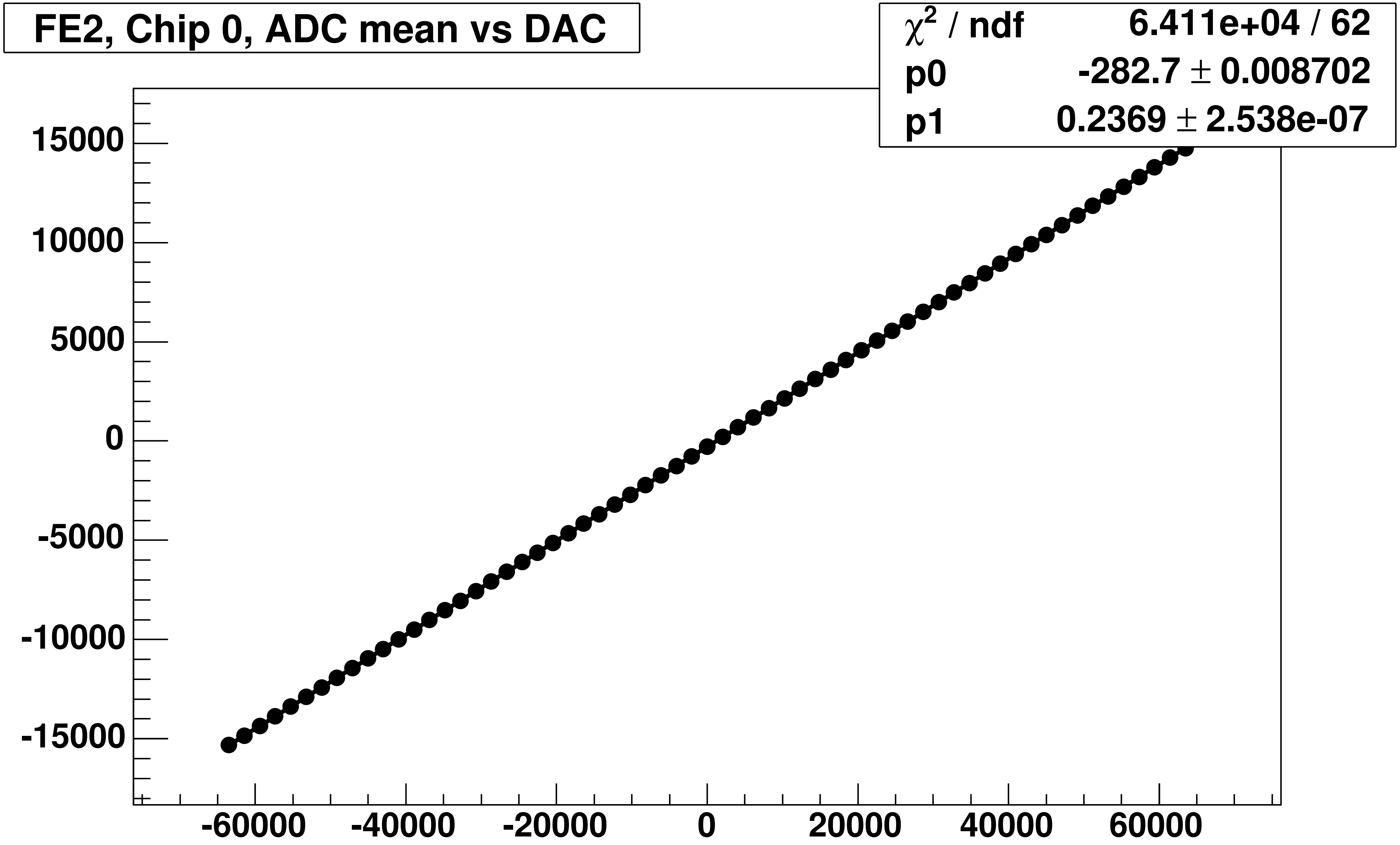
FE1, Chip 10, ADC residuals vs DAC
30
20
10
0
-10
-20
-30
-60000
-40000
-20000
0
20000
40000
60000

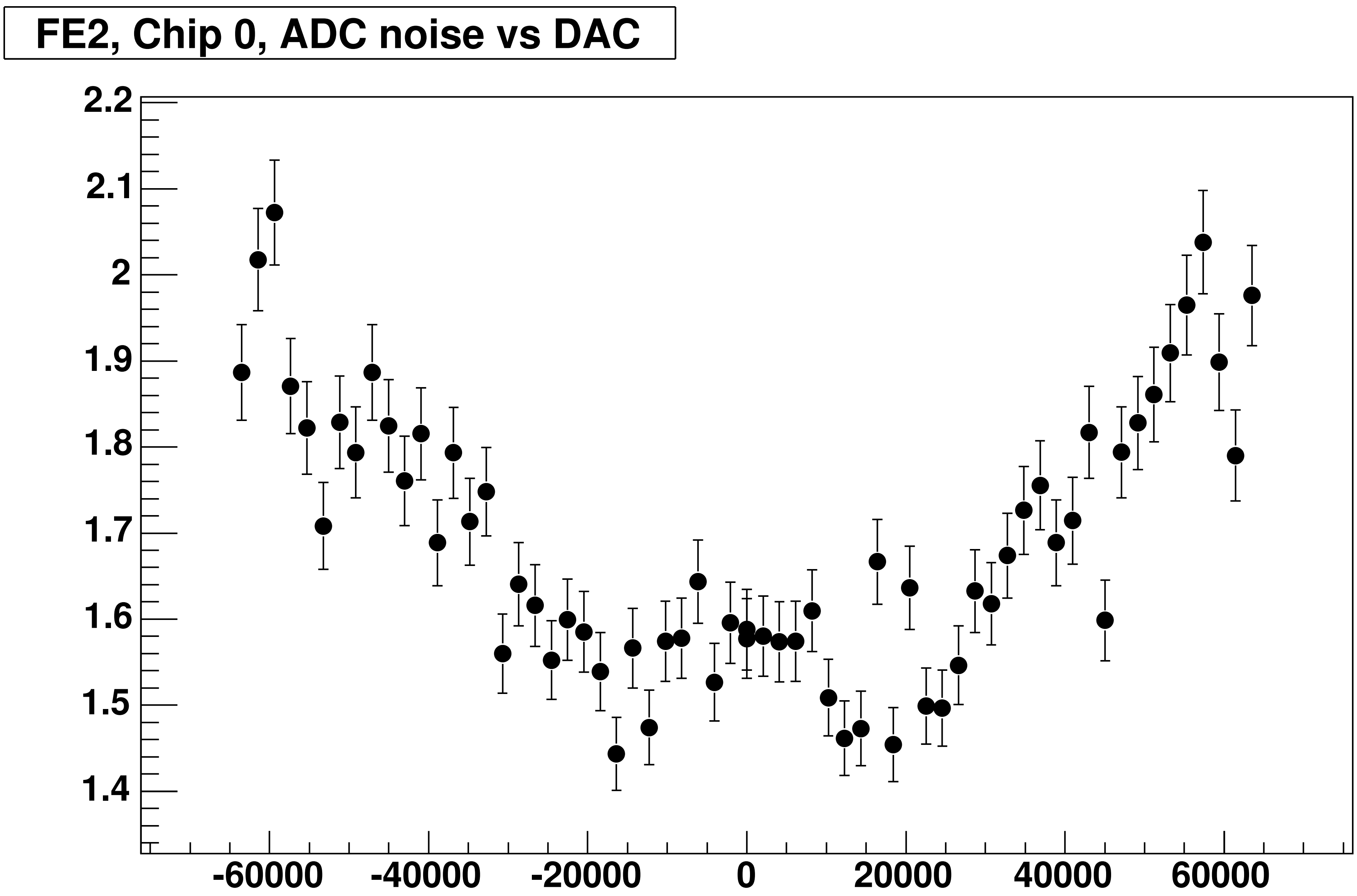

FE1, Chip 11, ADC mean vs DAC
χ^2 / ndf 2.333e+06 / 62
p0 33.4 ± 0.008708
p1 0.2362 ± 2.537e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



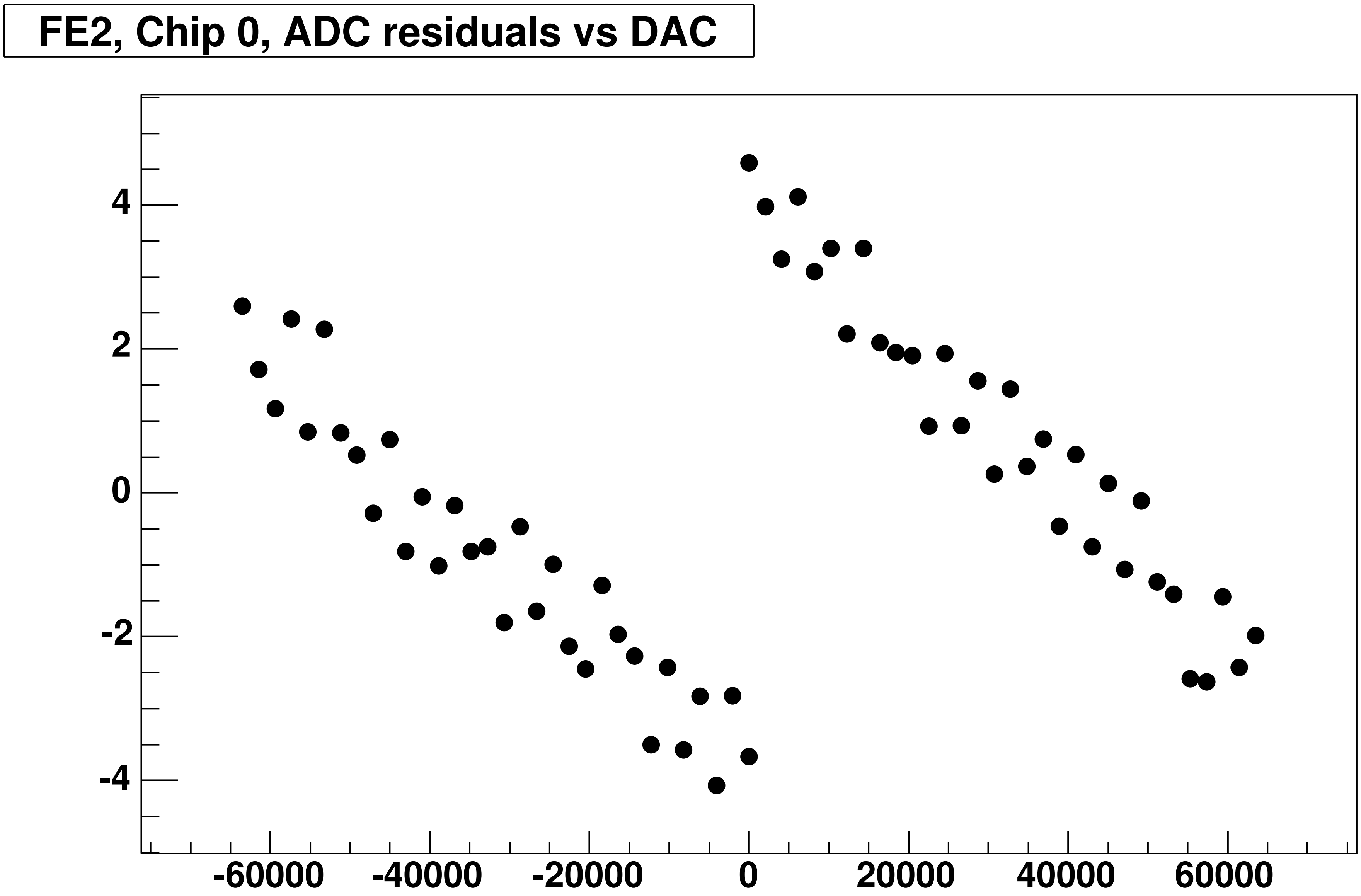
FE1, Chip 11, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

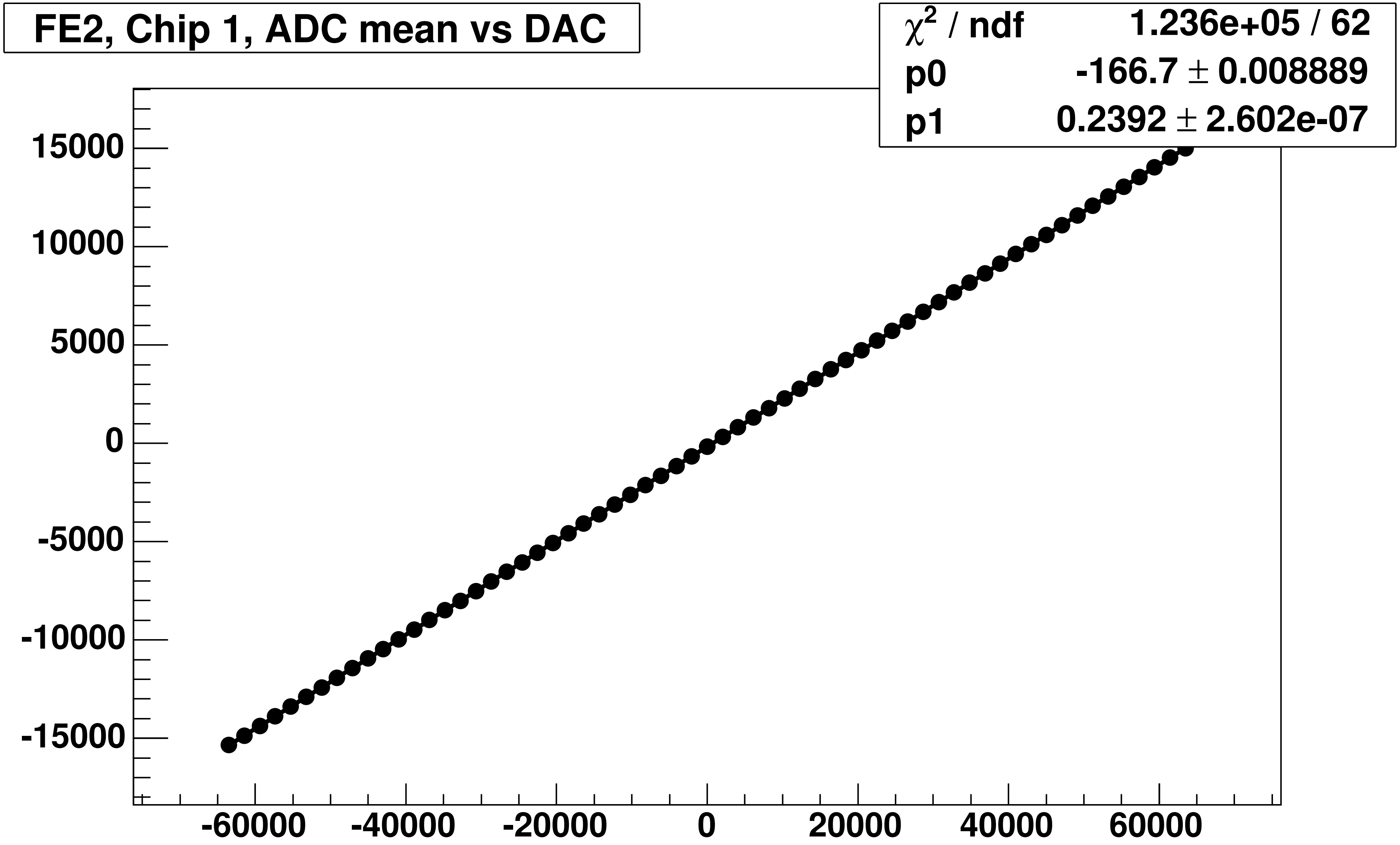

FE1, Chip 11, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 0, ADC mean vs DAC
χ2 / ndf 6.411e+04 / 62
p0 -282.7 ± 0.008702
p1 0.2369 ± 2.538e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

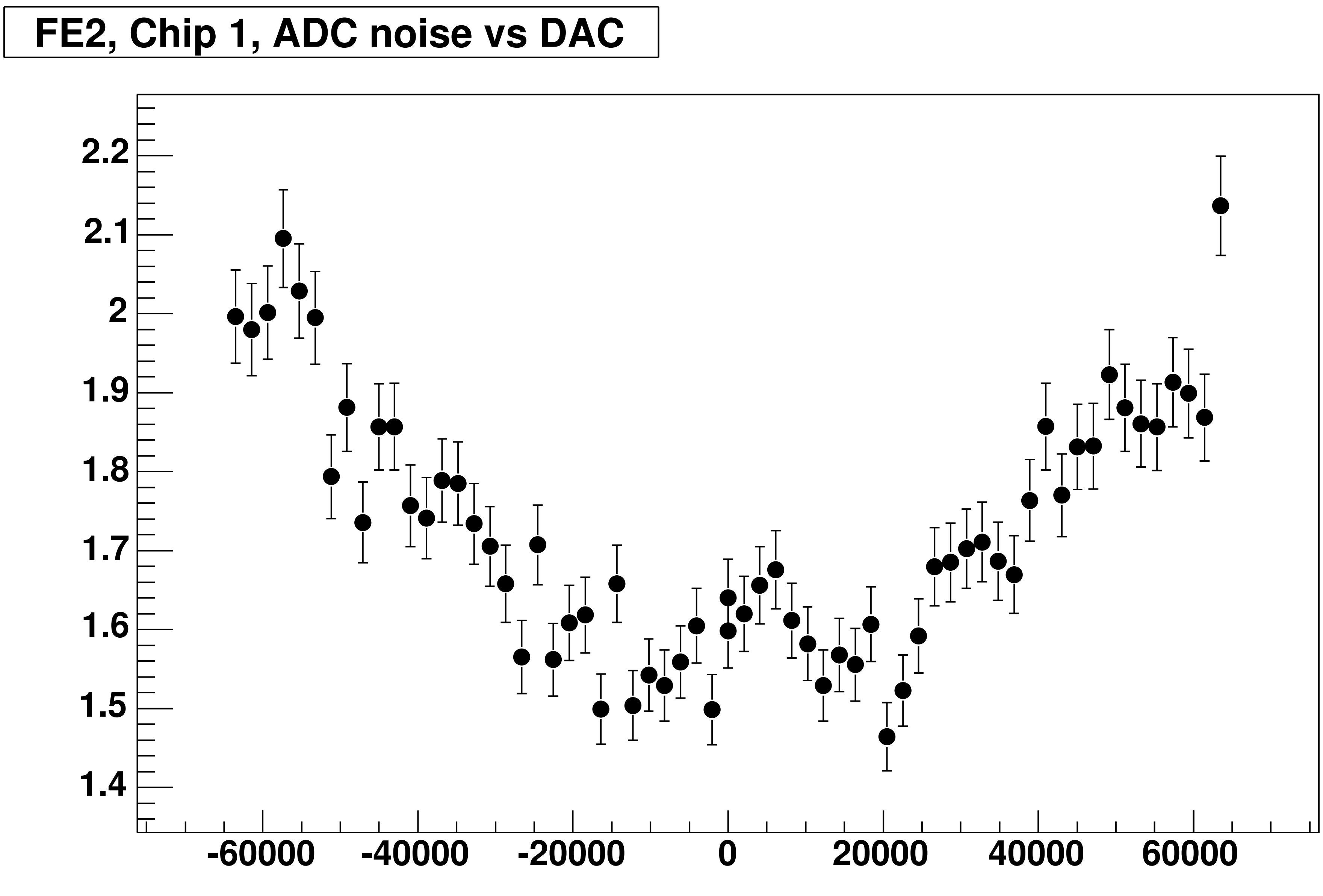


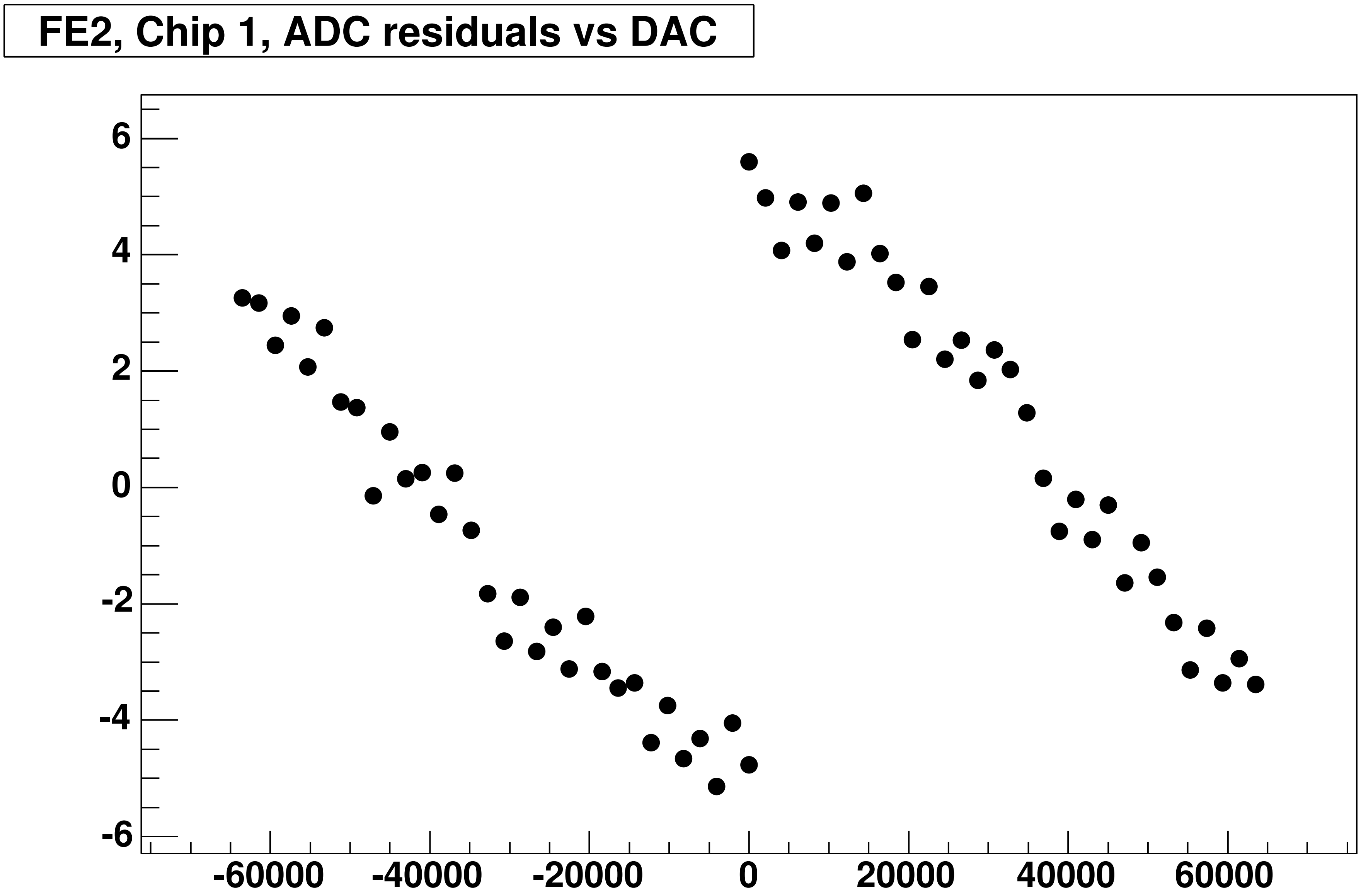
FE2, Chip 0, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

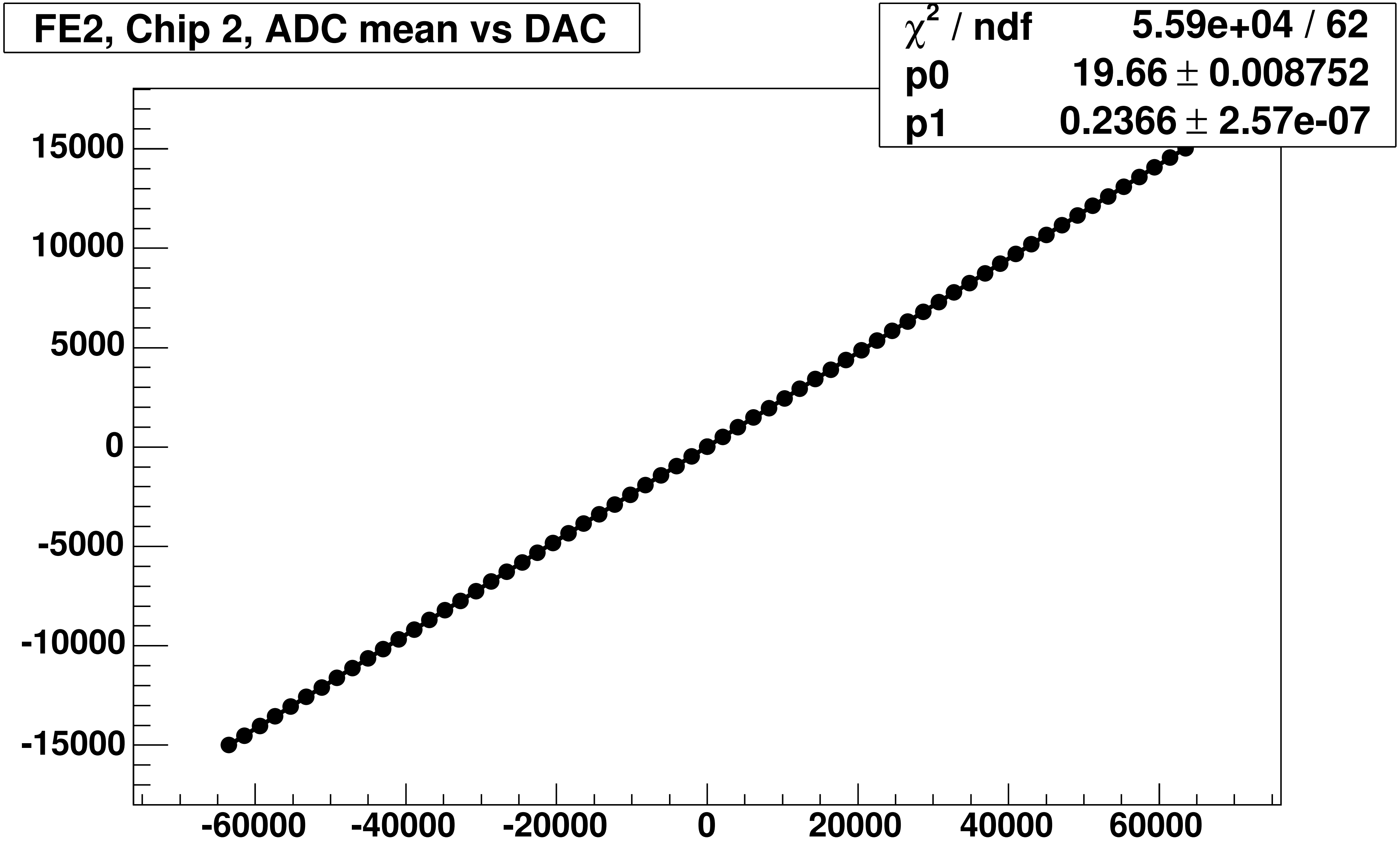

FE2, Chip 0, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000



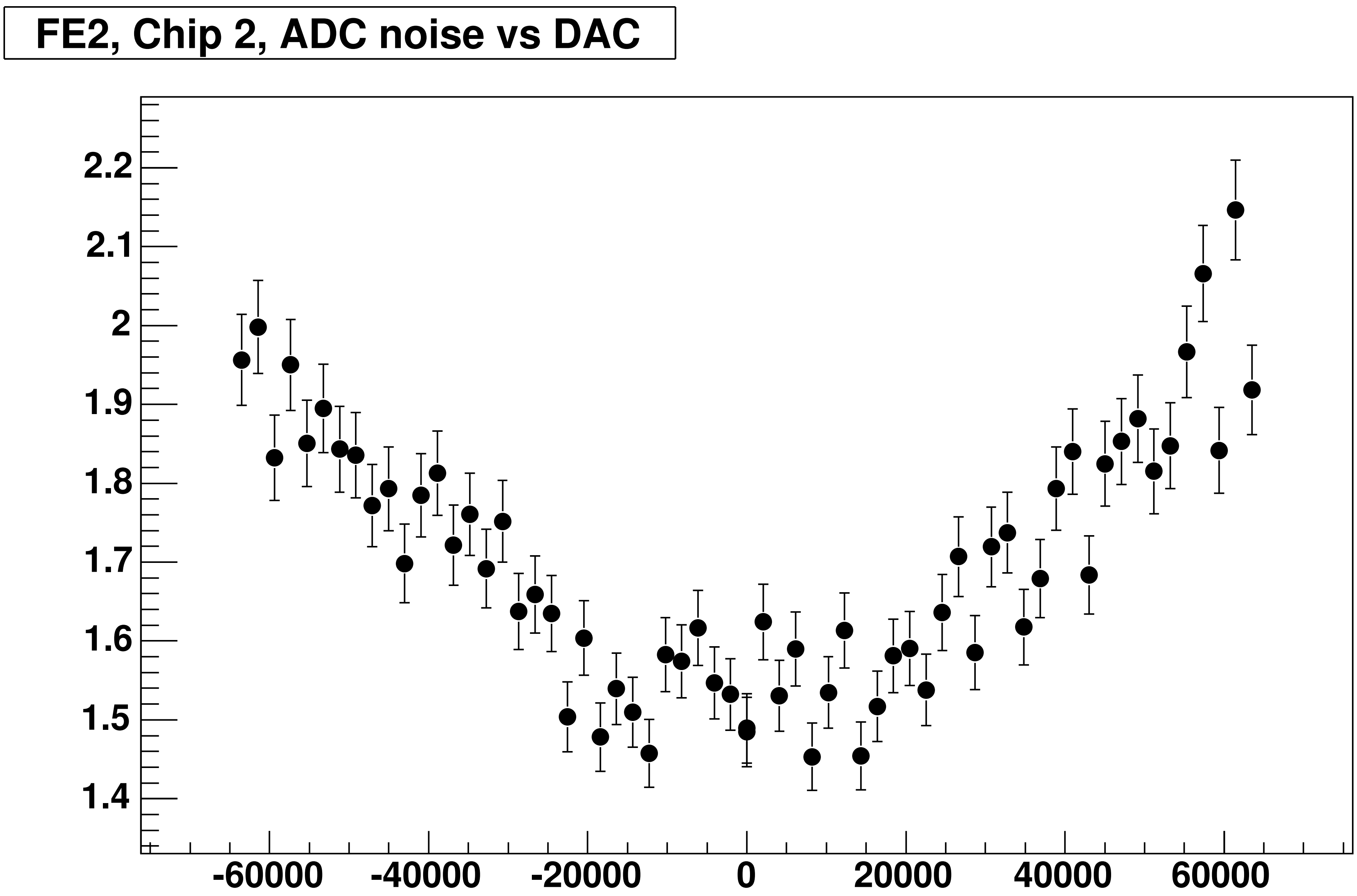
FE2, Chip 1, ADC mean vs DAC
χ2 / ndf 1.236e+05 / 62
p0 -166.7 ± 0.008889
p1 0.2392 ± 2.602e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 1, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

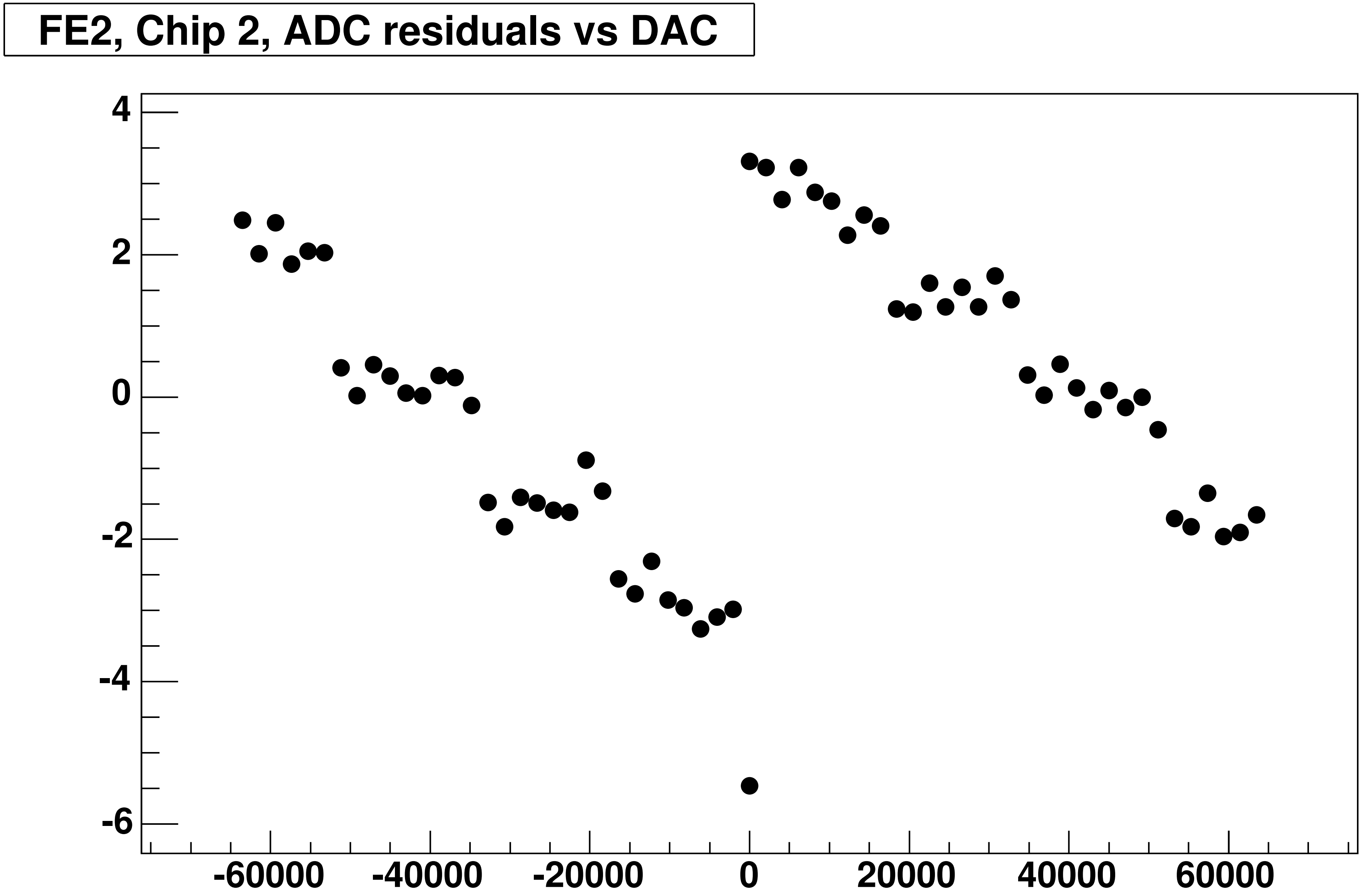

FE2, Chip 1, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

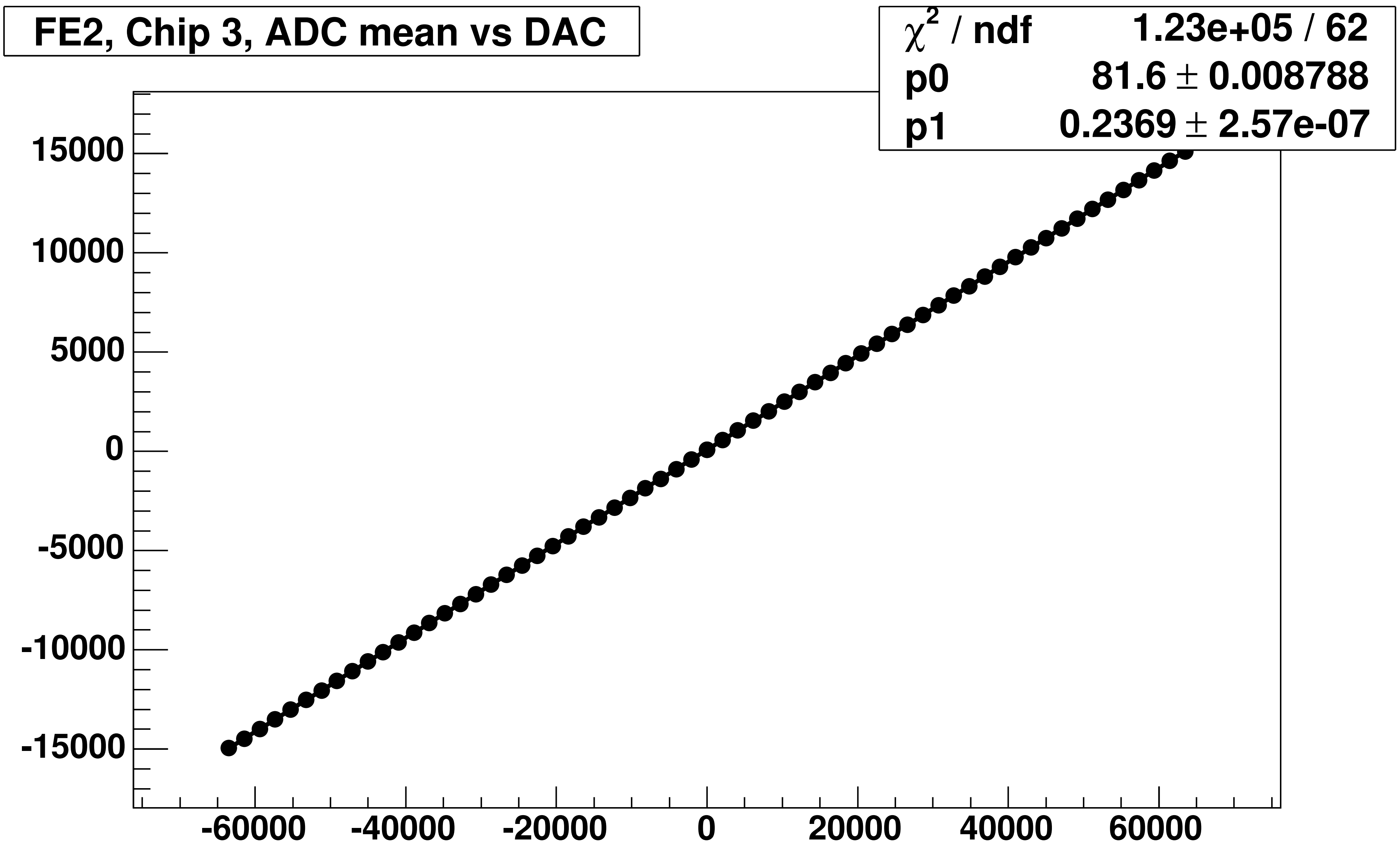


FE2, Chip 2, ADC mean vs DAC
χ^2 / ndf 5.59e+04 / 62
p0 19.66 ± 0.008752
p1 0.2366 ± 2.57e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

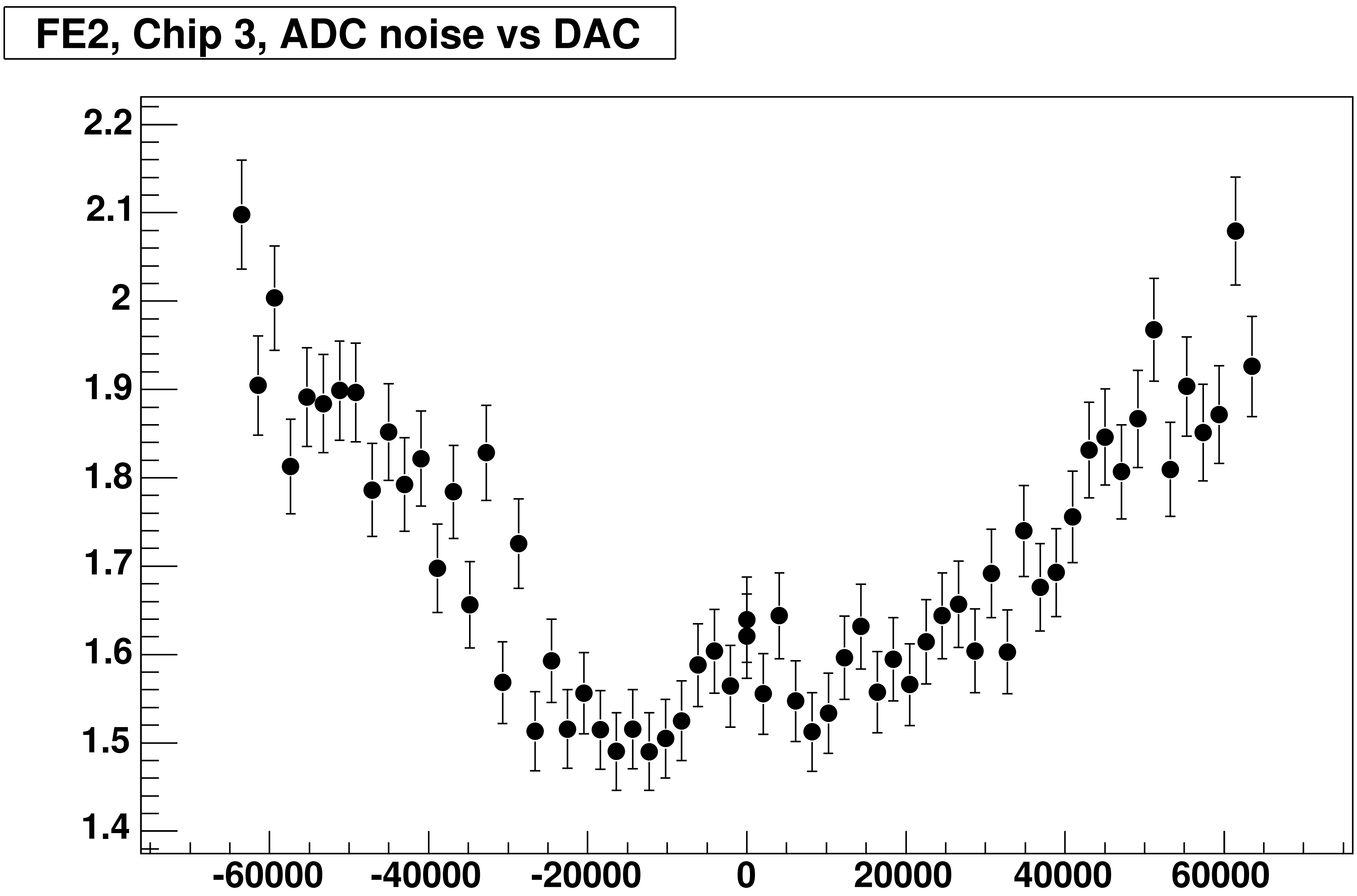


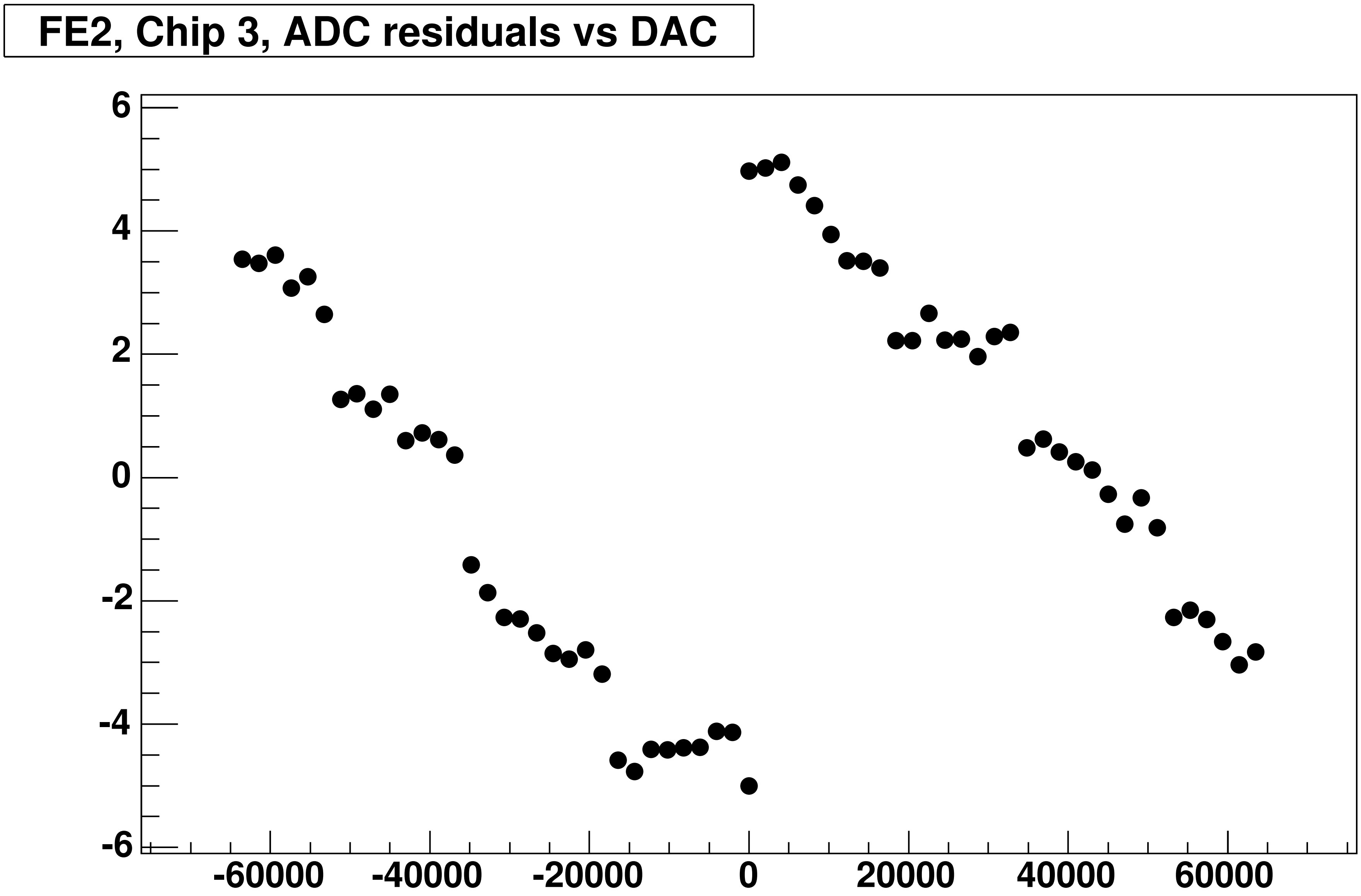
FE2, Chip 2, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

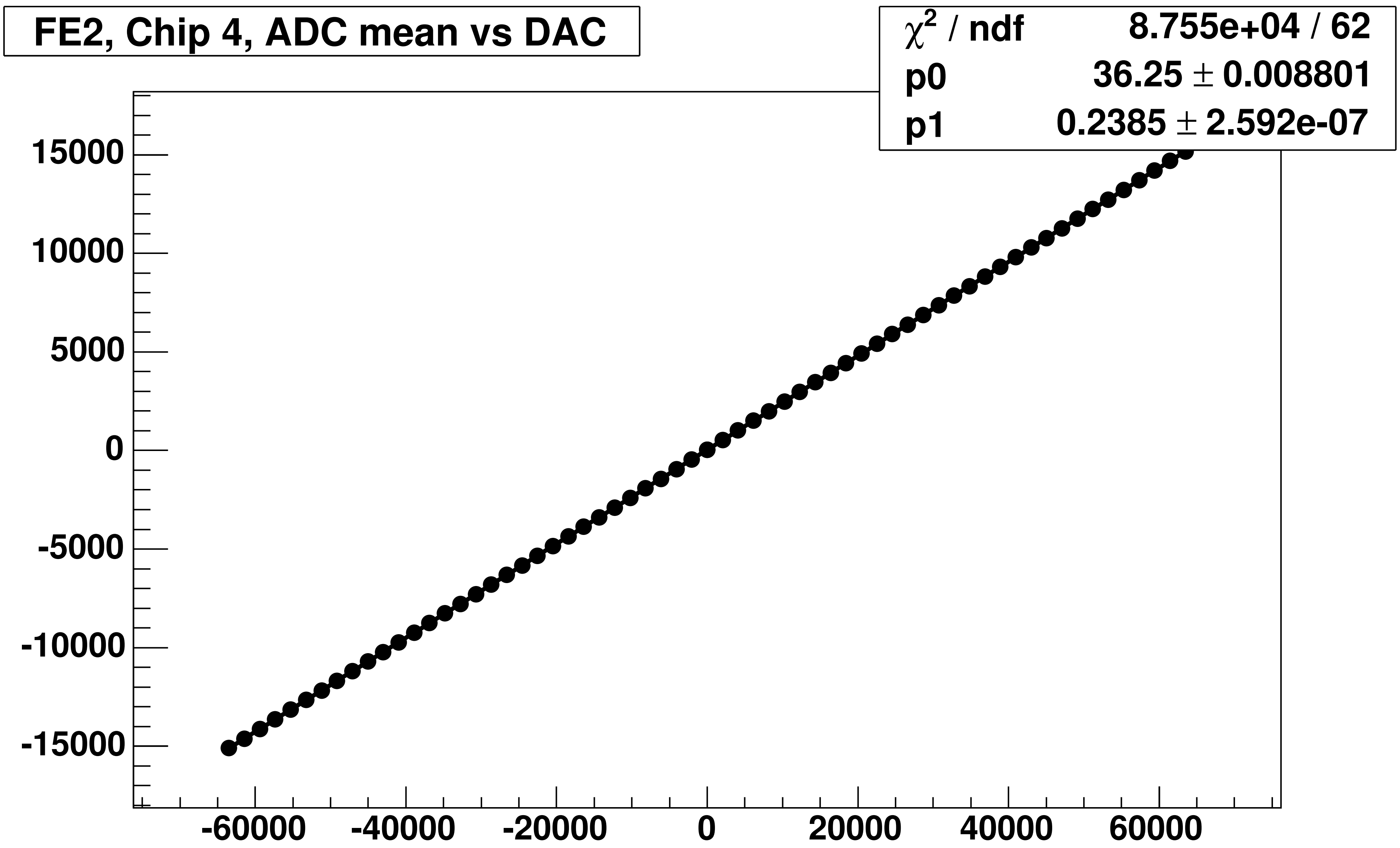

FE2, Chip 2, ADC residuals vs DAC
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000



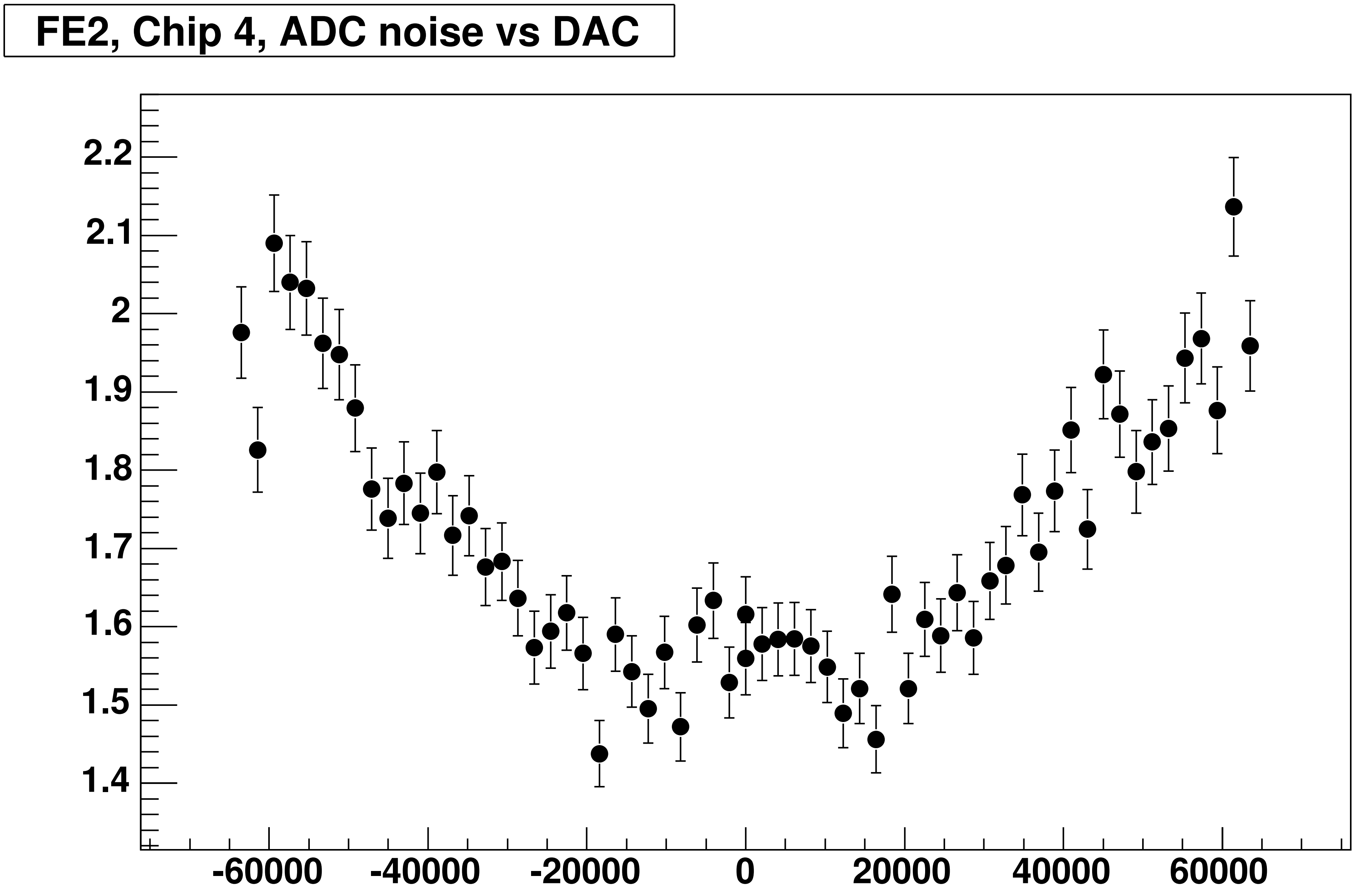
FE2, Chip 3, ADC mean vs DAC
χ² / ndf 1.23e+05 / 62
p0 81.6 ± 0.008788
p1 0.2369 ± 2.57e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

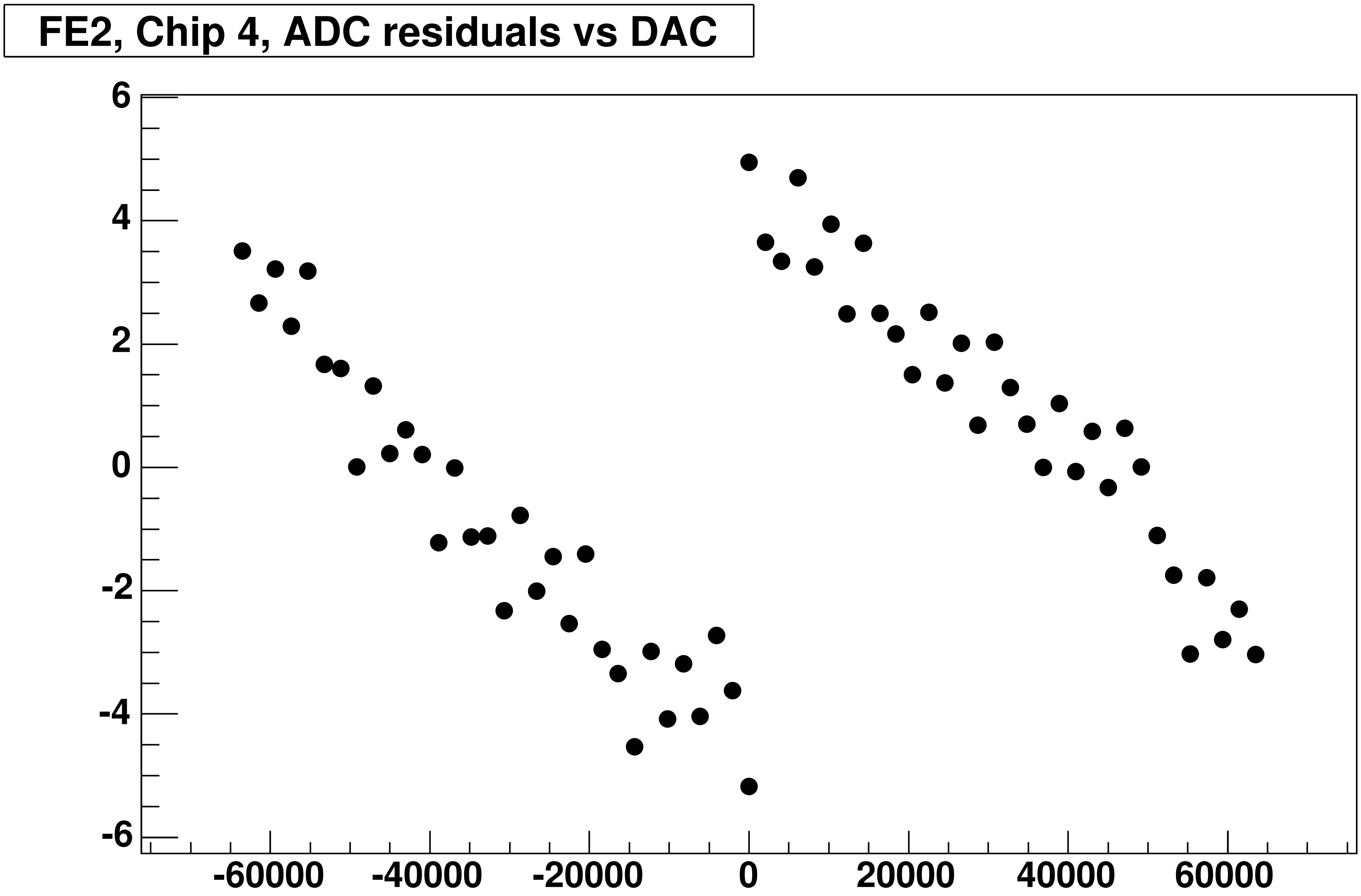

FE2, Chip 3, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

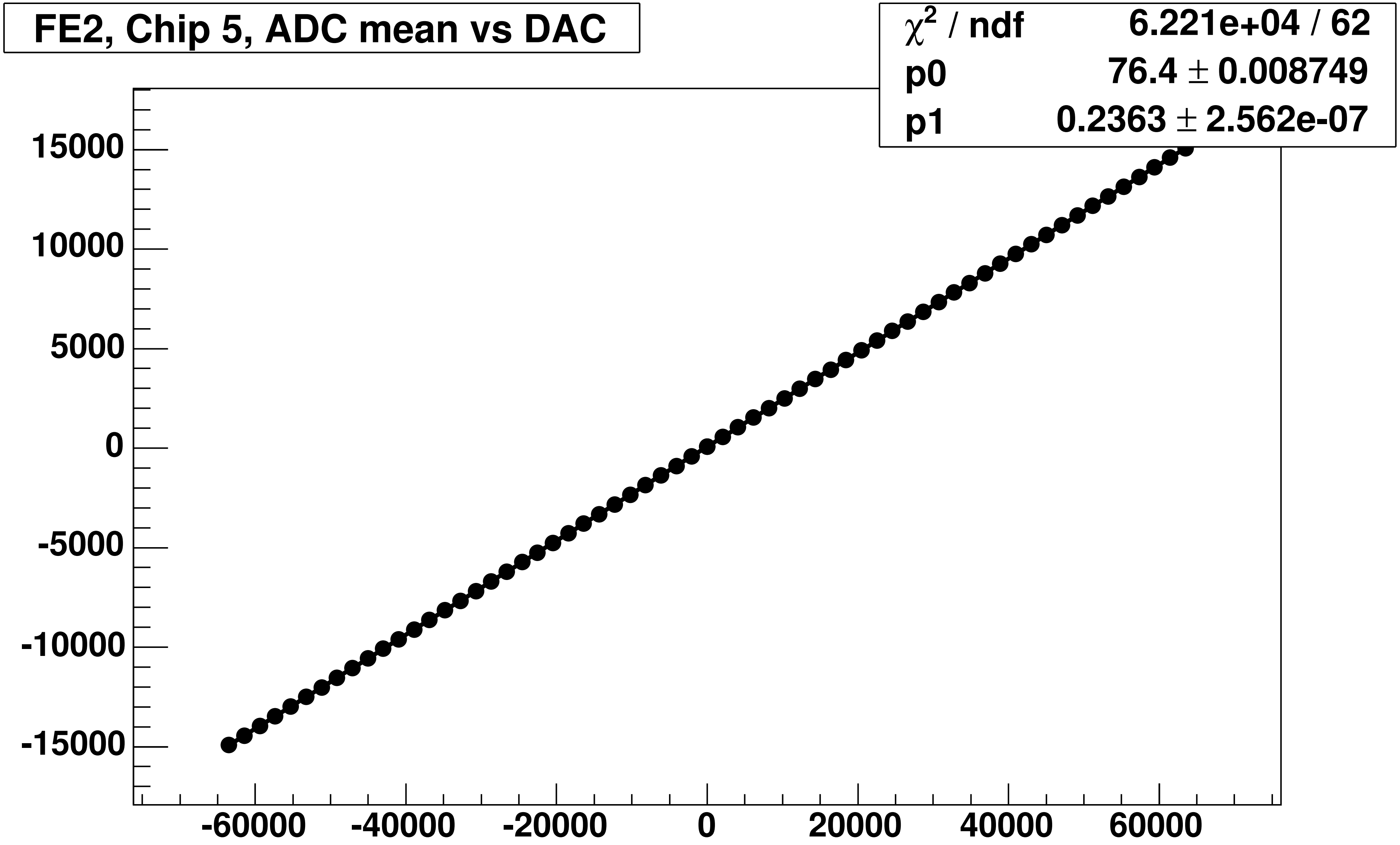

FE2, Chip 3, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000



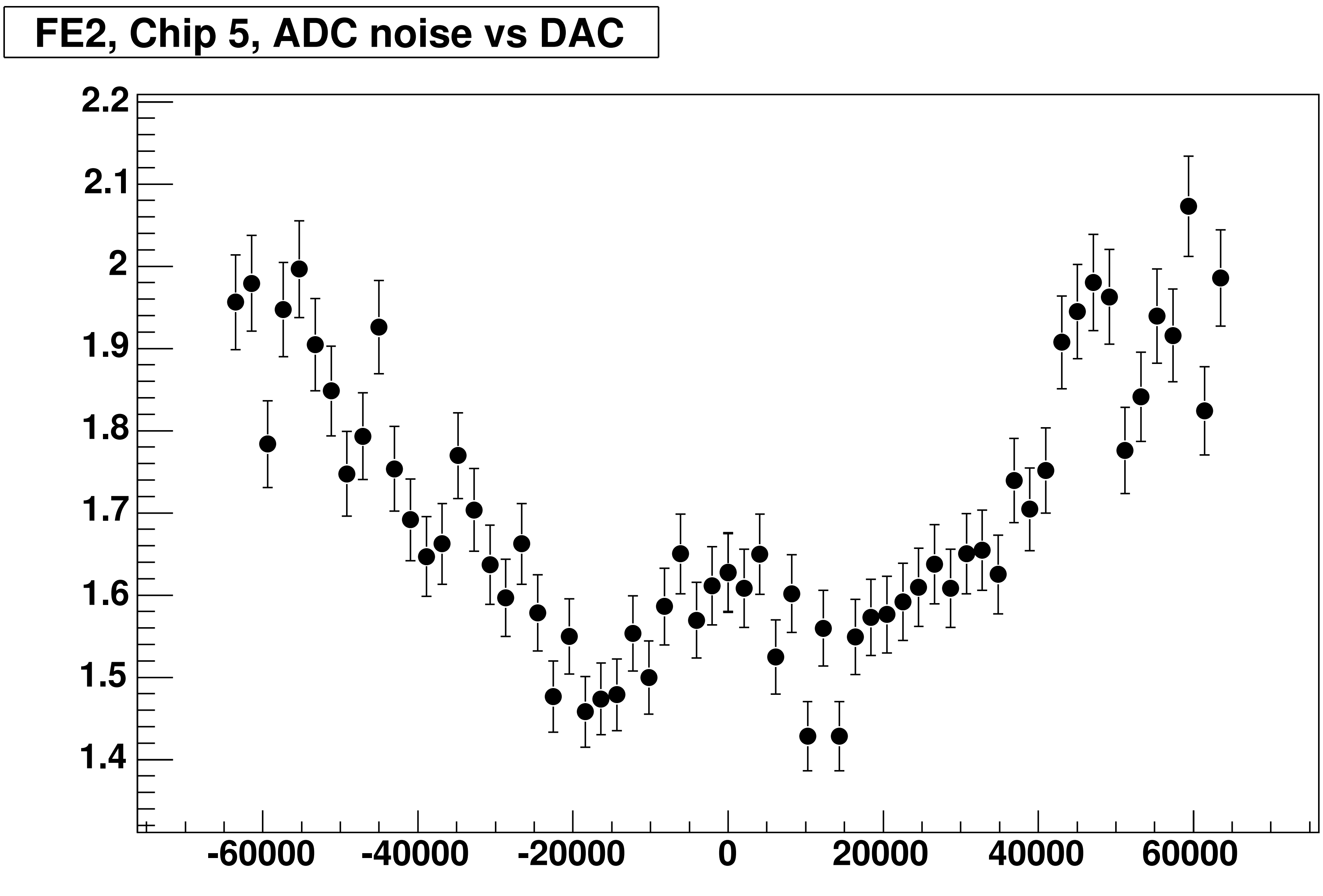
FE2, Chip 4, ADC mean vs DAC
χ^2 / ndf 8.755e+04 / 62
p0 36.25 ± 0.008801
p1 0.2385 ± 2.592e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 4, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

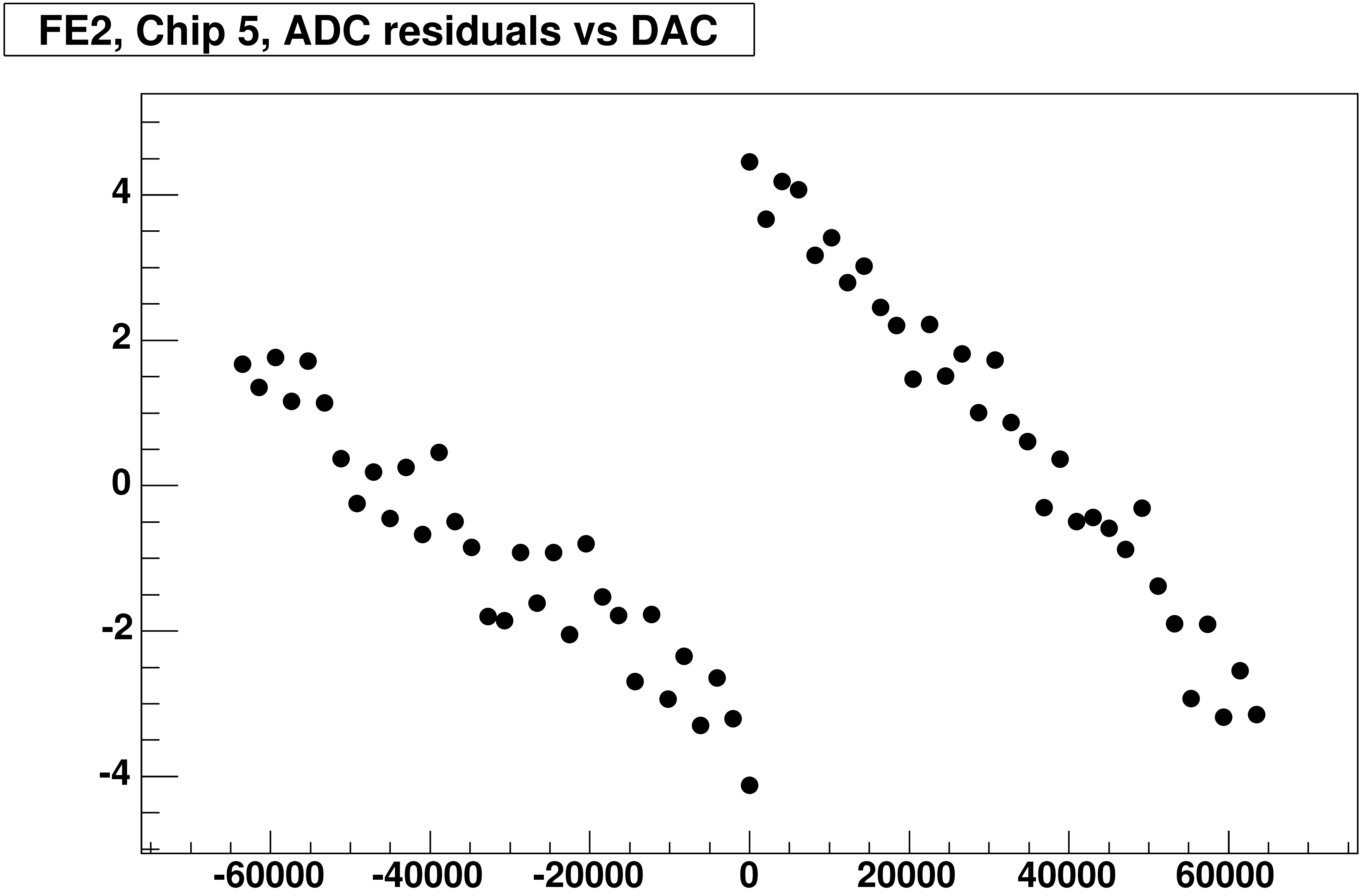

FE2, Chip 4, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

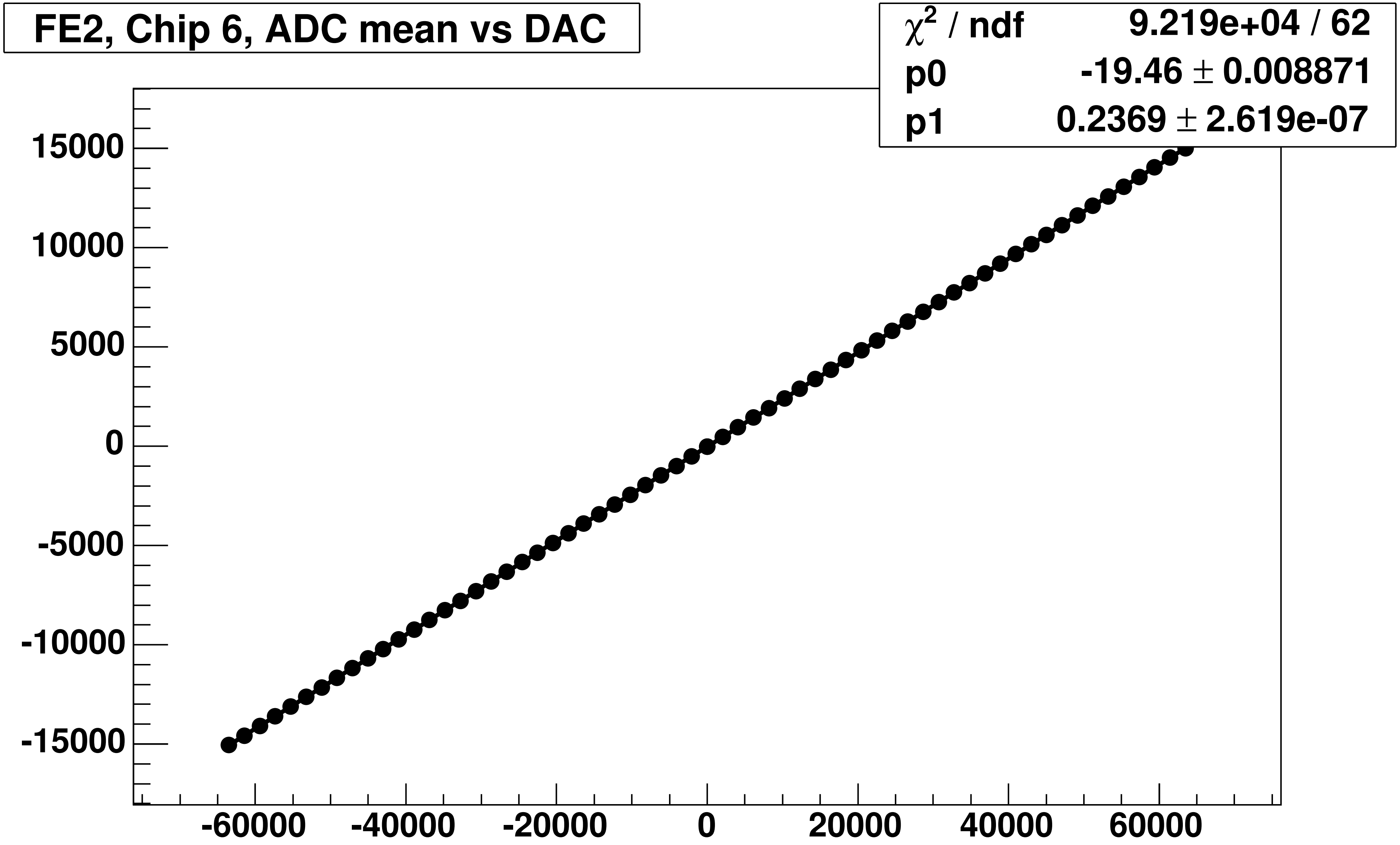


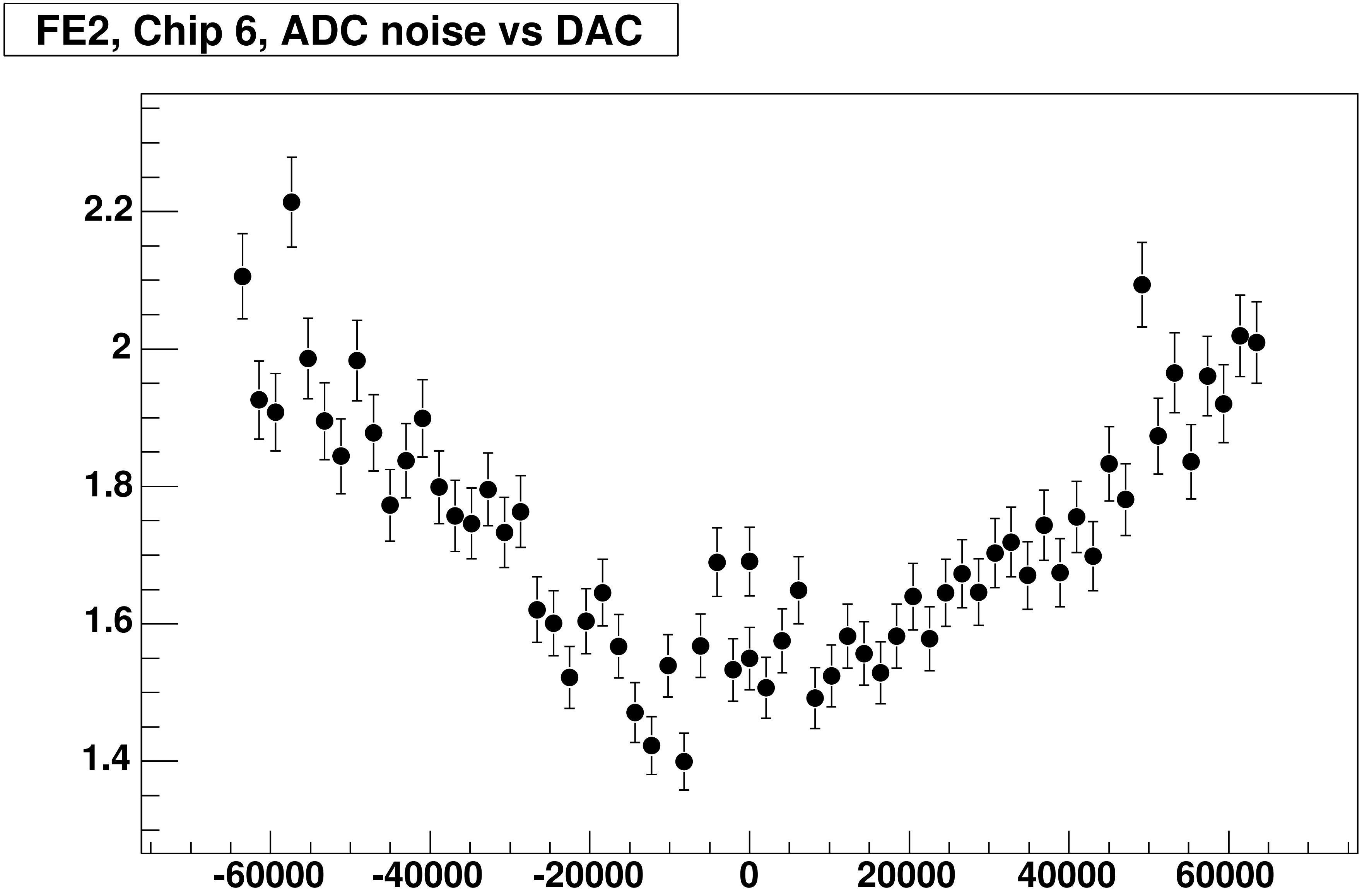
FE2, Chip 5, ADC mean vs DAC
χ^2 / ndf 6.221e+04 / 62
p0 76.4 ± 0.008749
p1 0.2363 ± 2.562e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

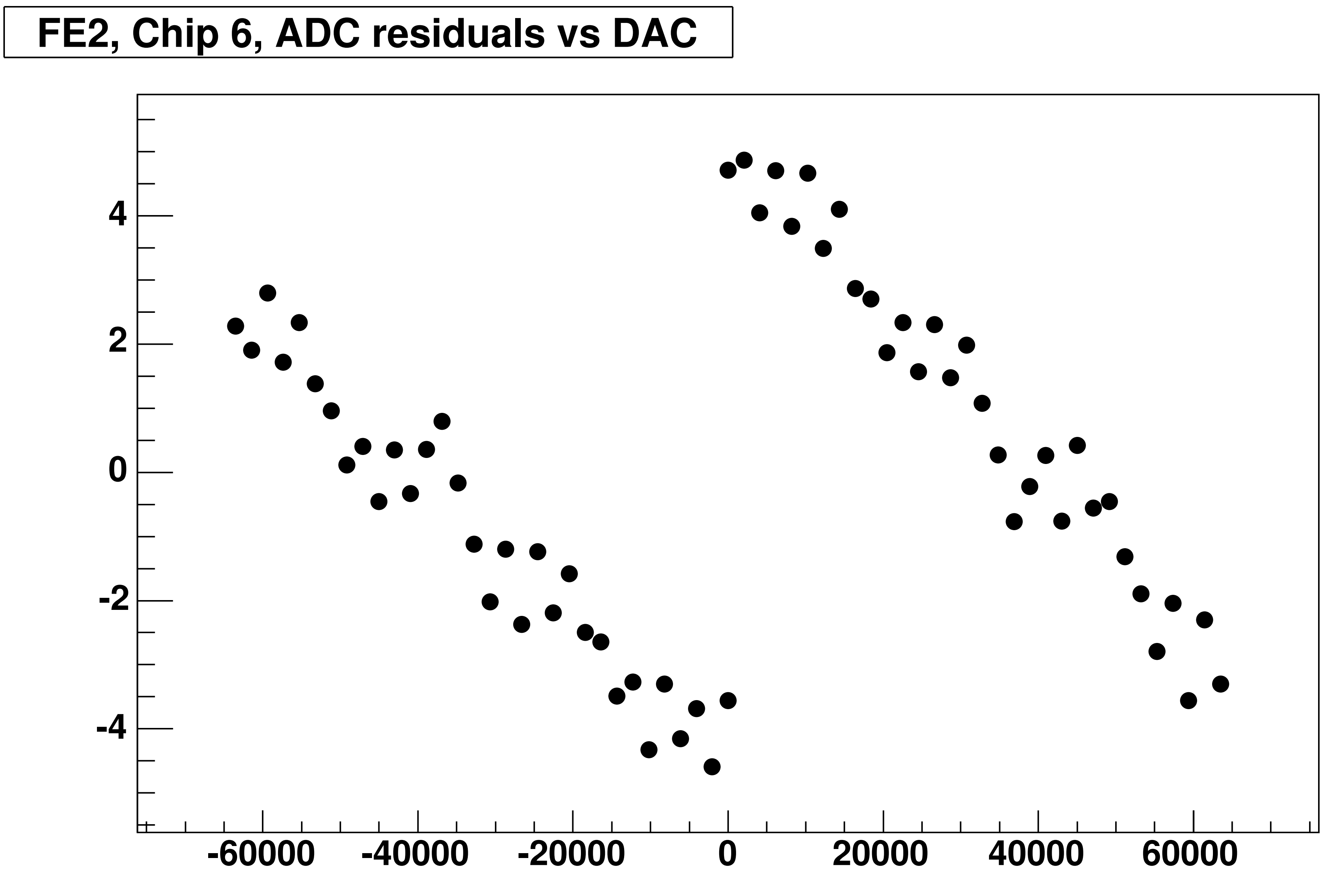


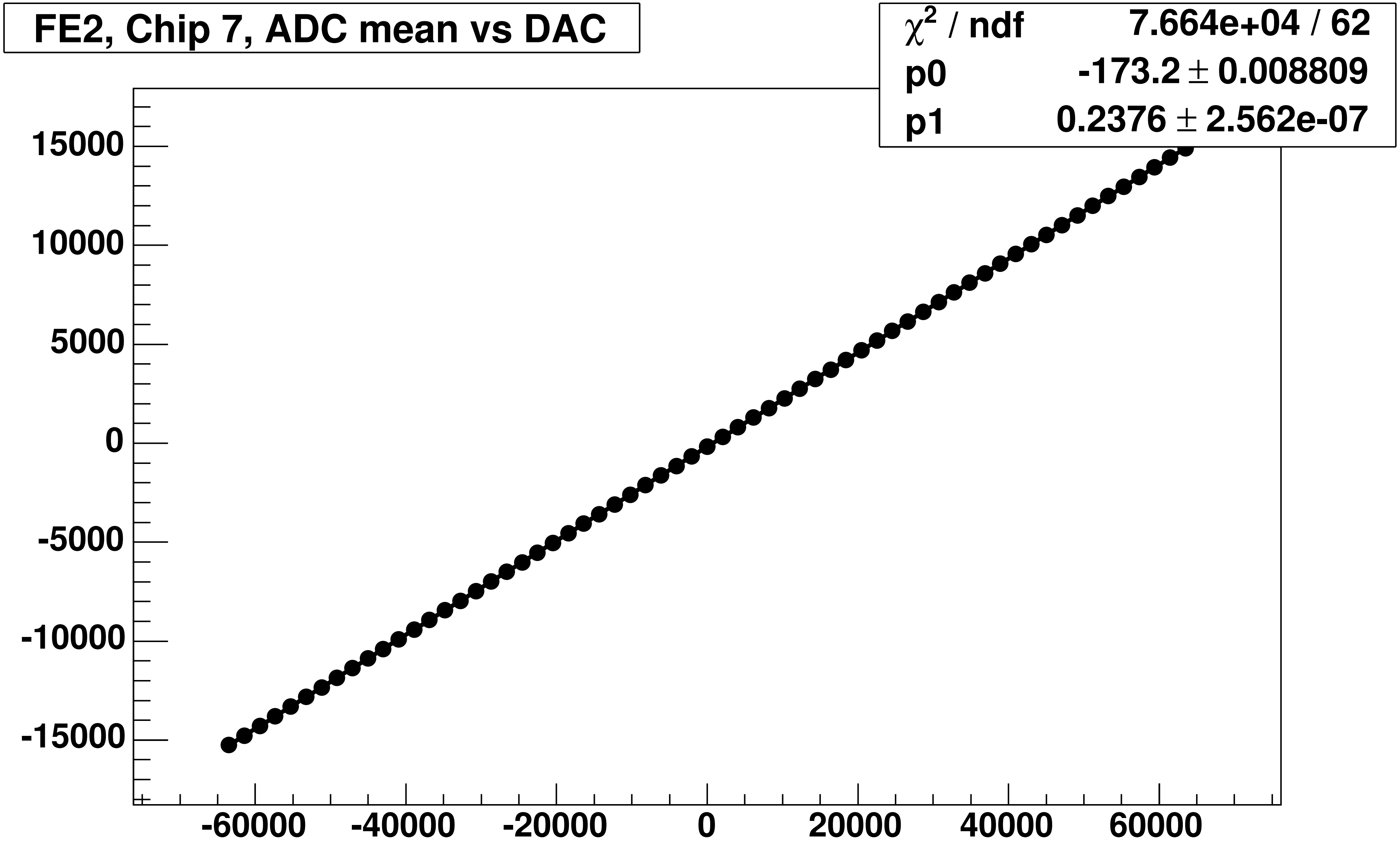
FE2, Chip 5, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 5, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

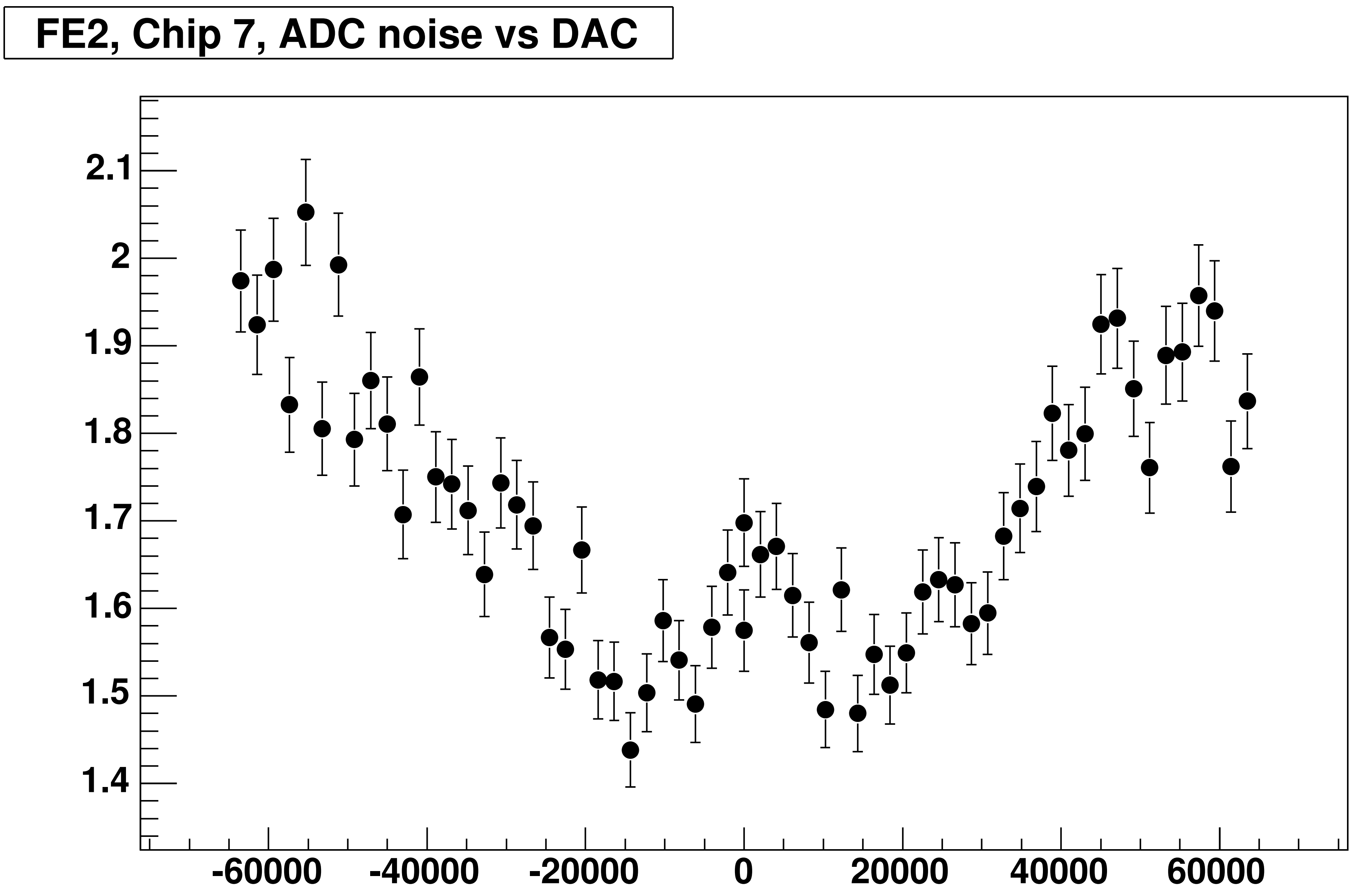

FE2, Chip 6, ADC mean vs DAC
χ^2 / ndf 9.219e+04 / 62
p0 -19.46 ± 0.008871
p1 0.2369 ± 2.619e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

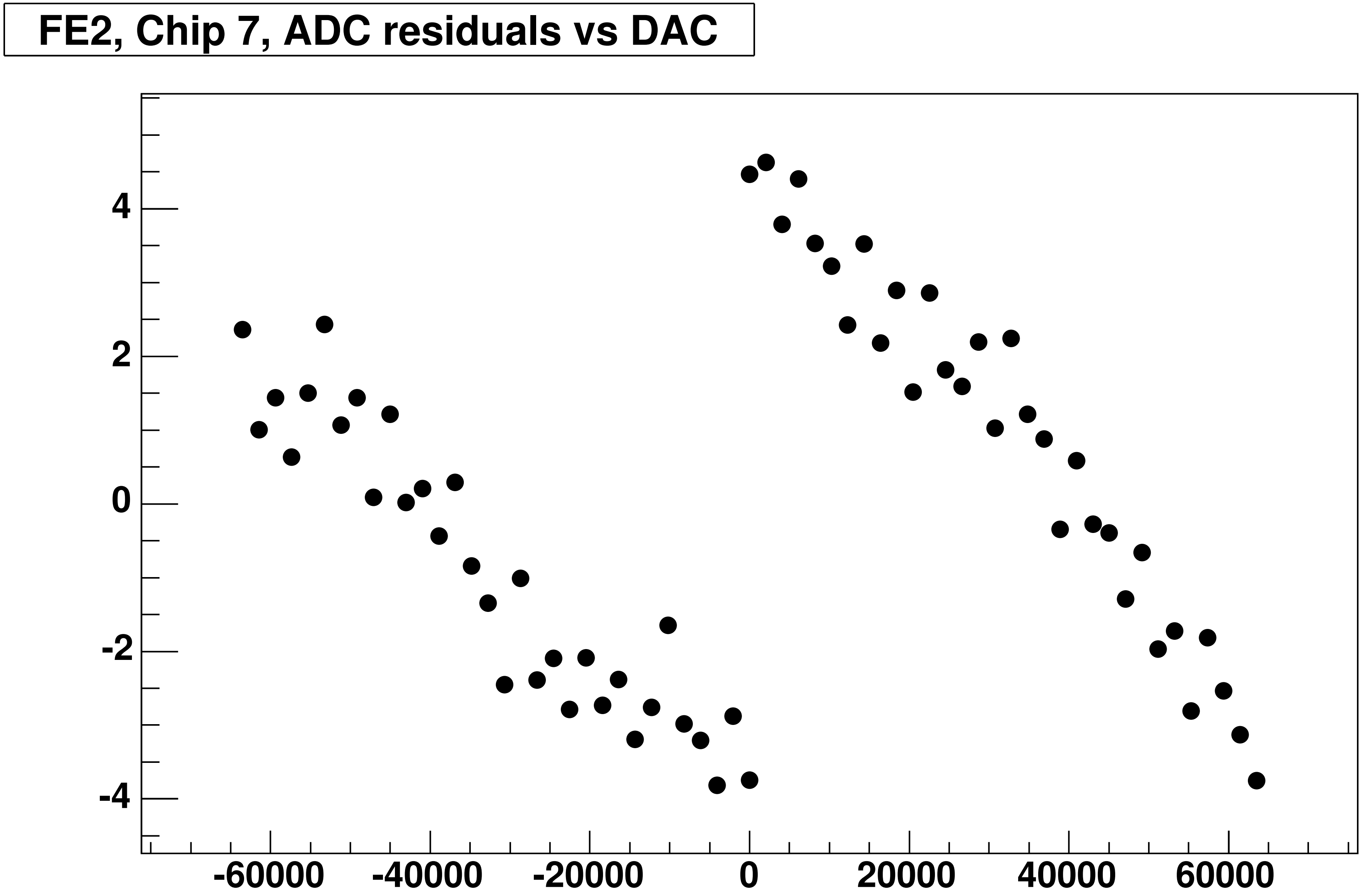

FE2, Chip 6, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

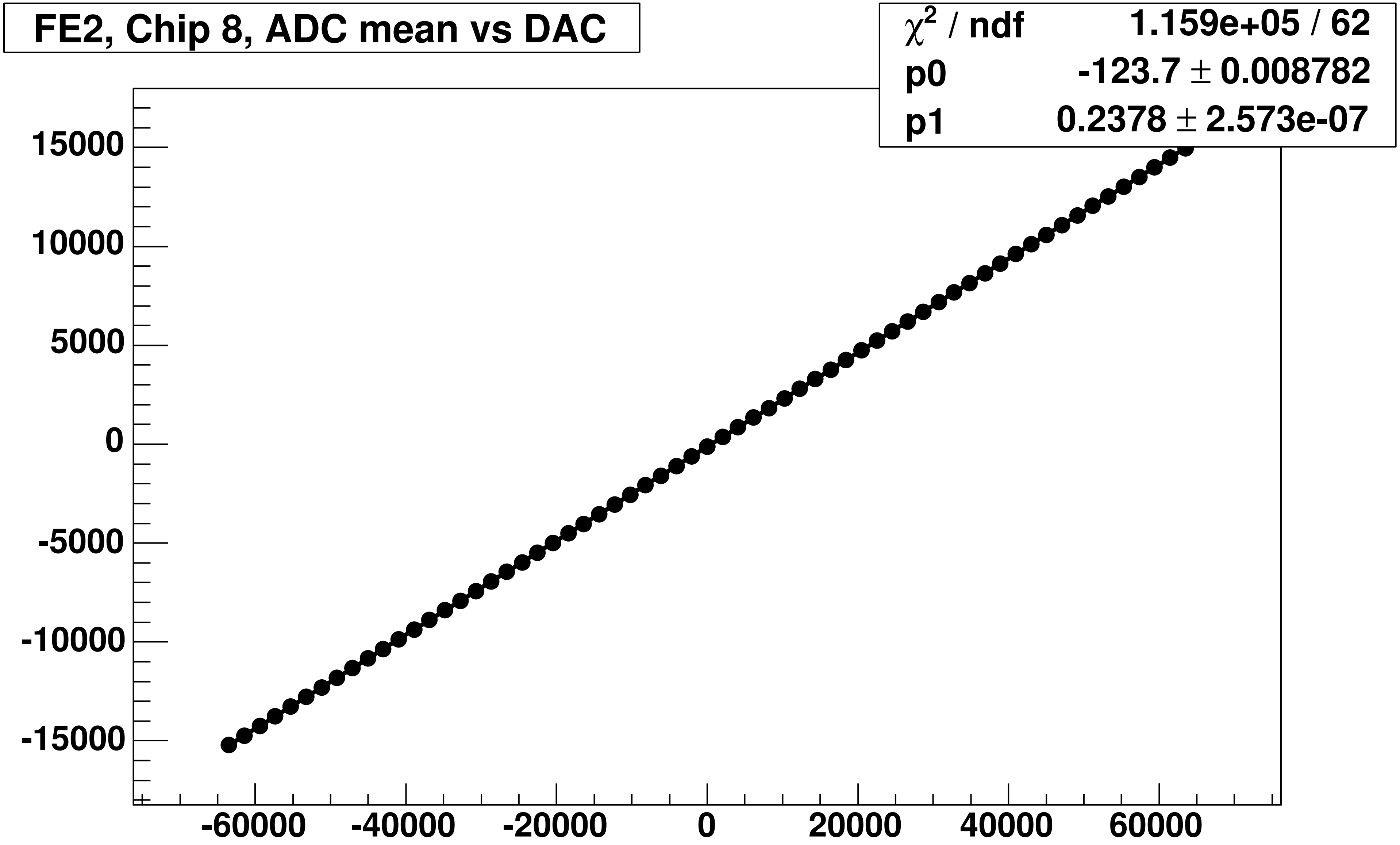

FE2, Chip 6, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000



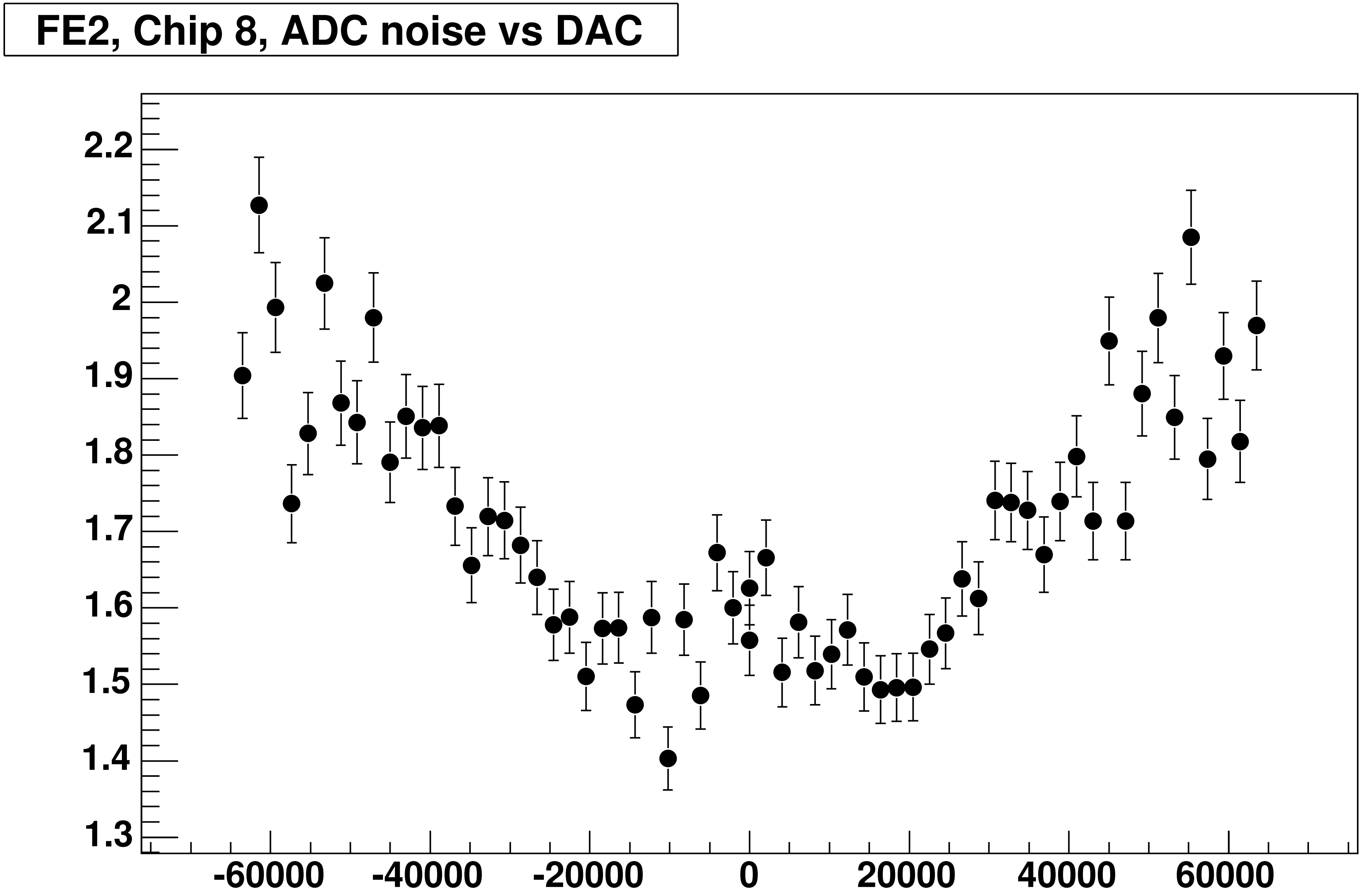
FE2, Chip 7, ADC mean vs DAC
χ² / ndf 7.664e+04 / 62
p0 -173.2 ± 0.008809
p1 0.2376 ± 2.562e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 7, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

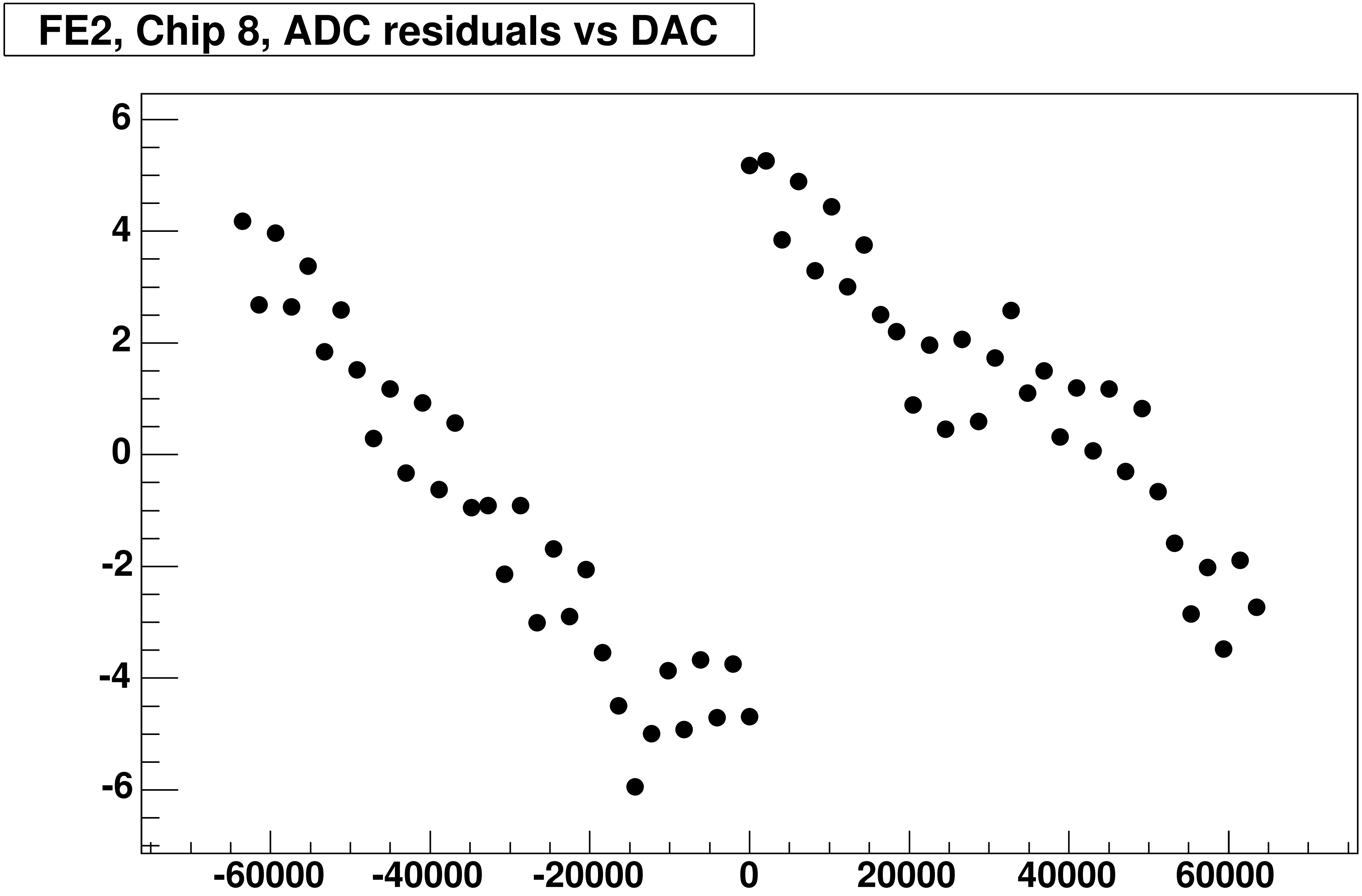

FE2, Chip 7, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

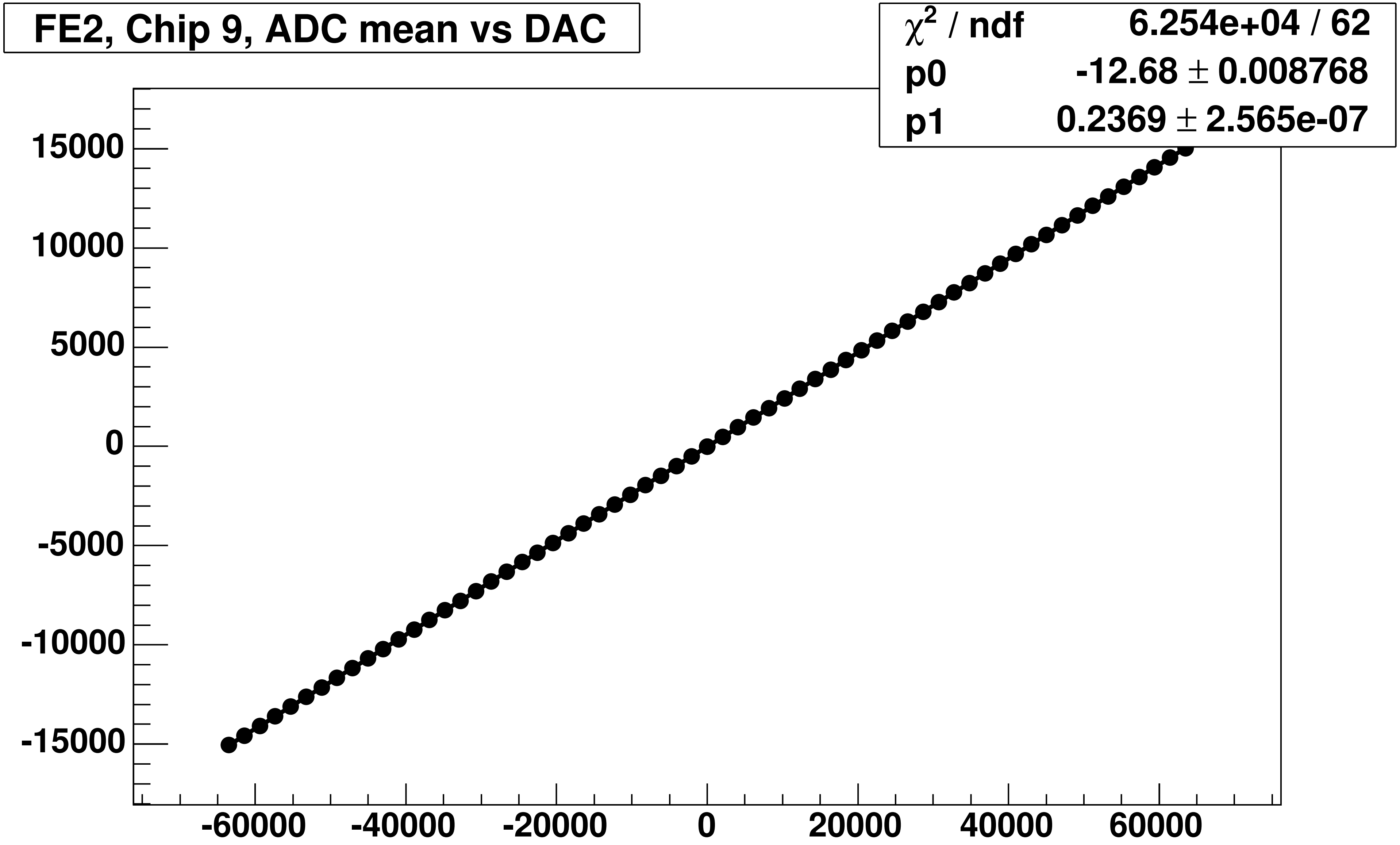


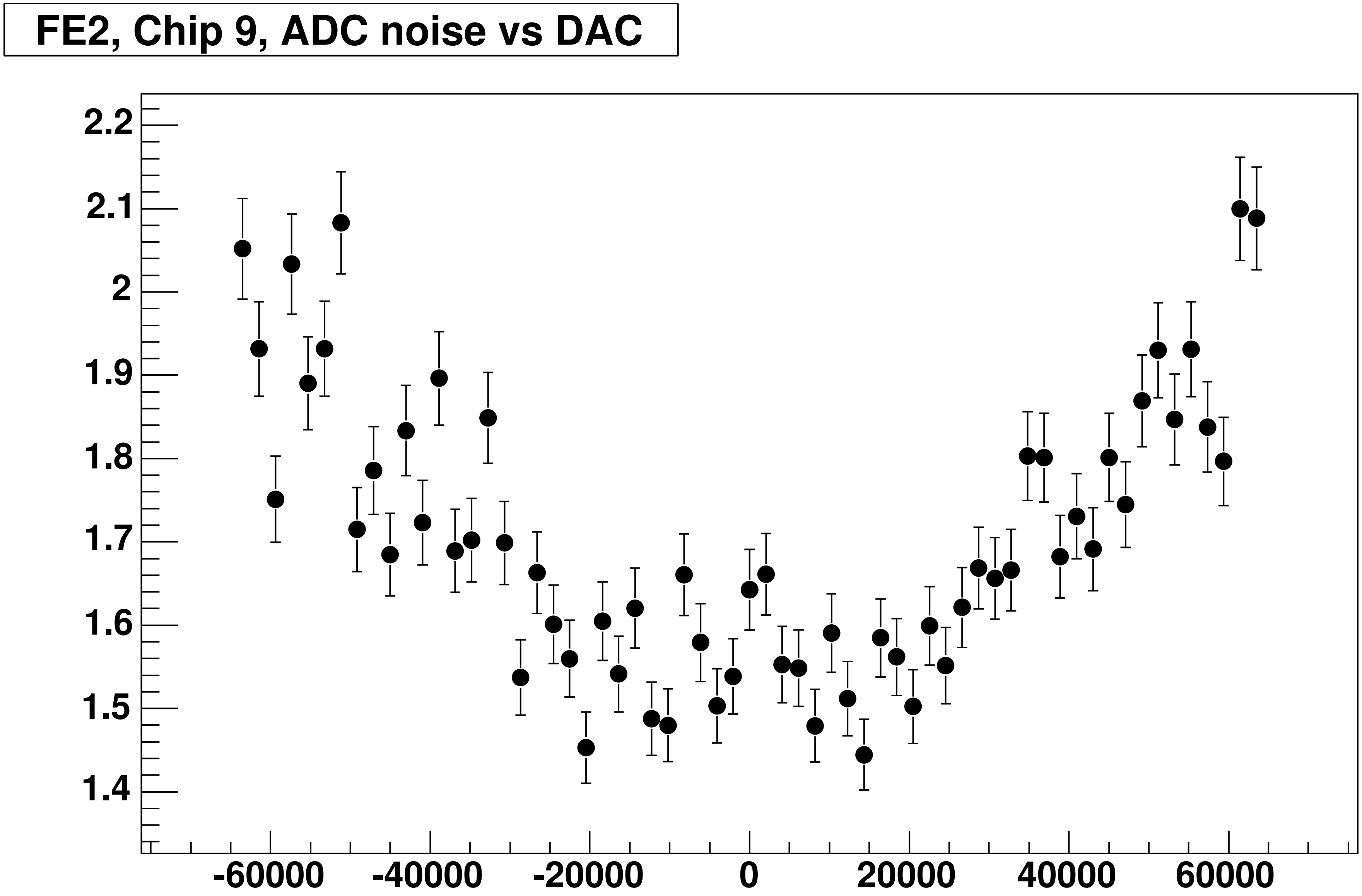
FE2, Chip 8, ADC mean vs DAC
χ^2 / ndf 1.159e+05 / 62
p0 -123.7 ± 0.008782
p1 0.2378 ± 2.573e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

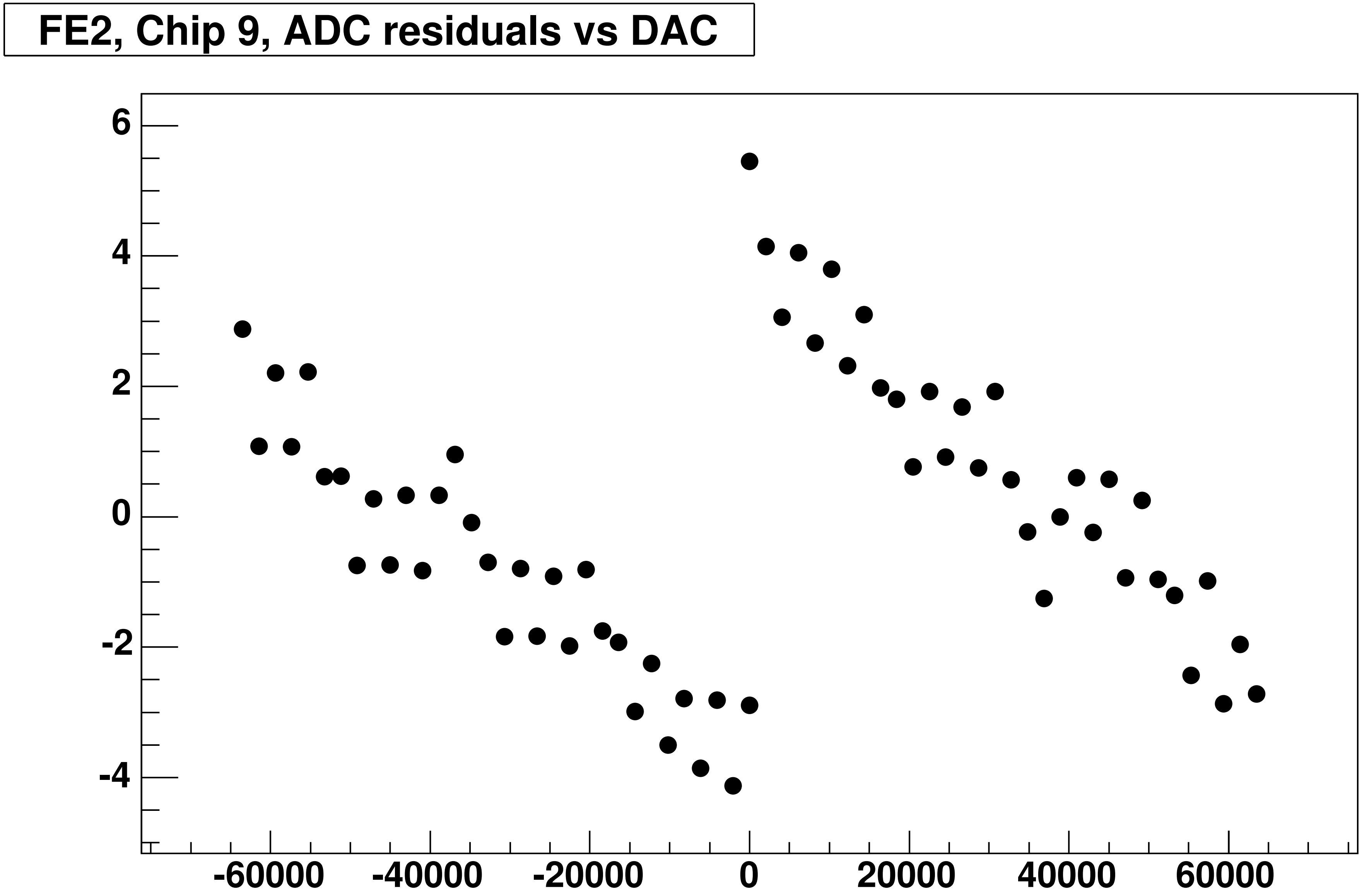


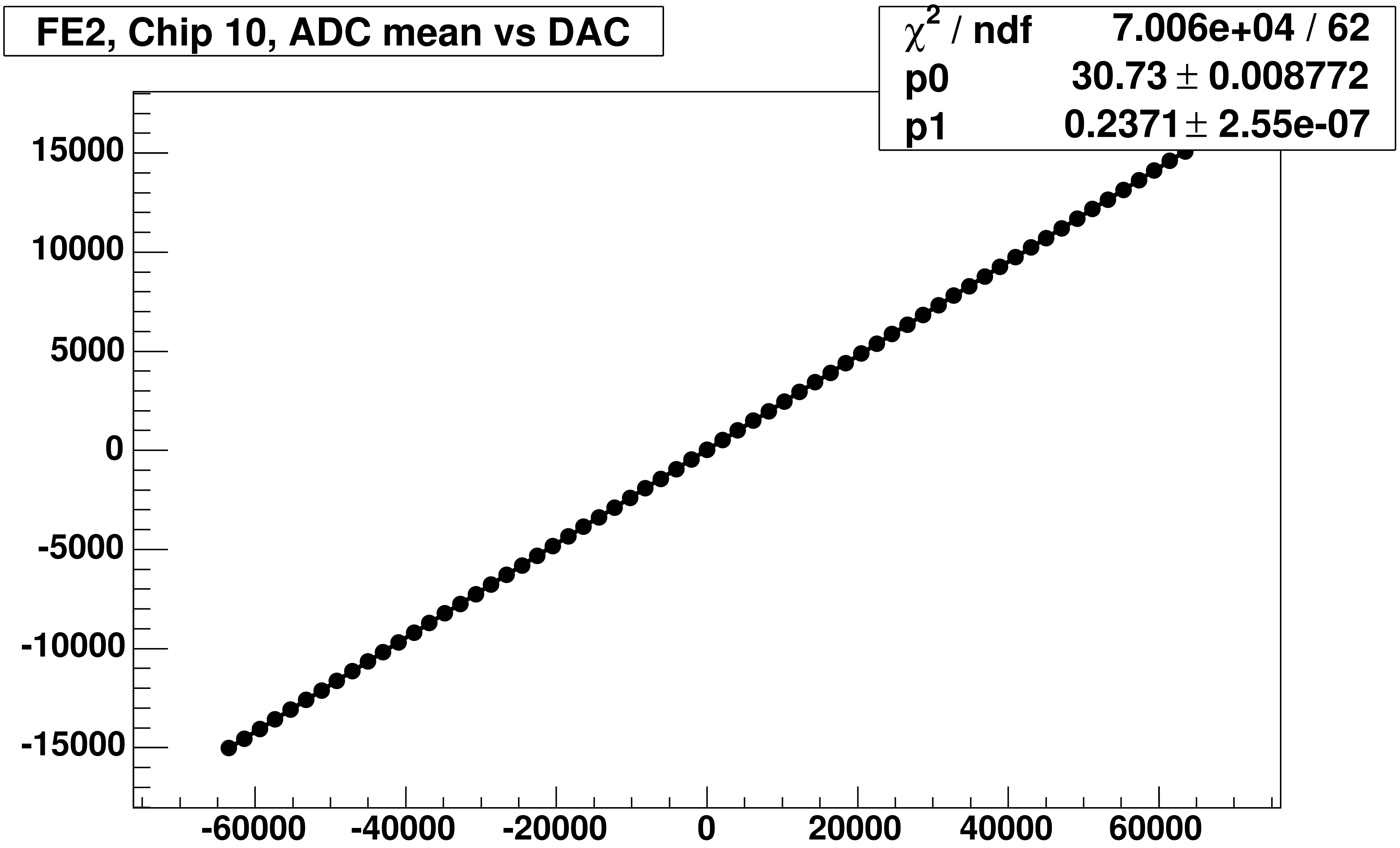
FE2, Chip 8, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

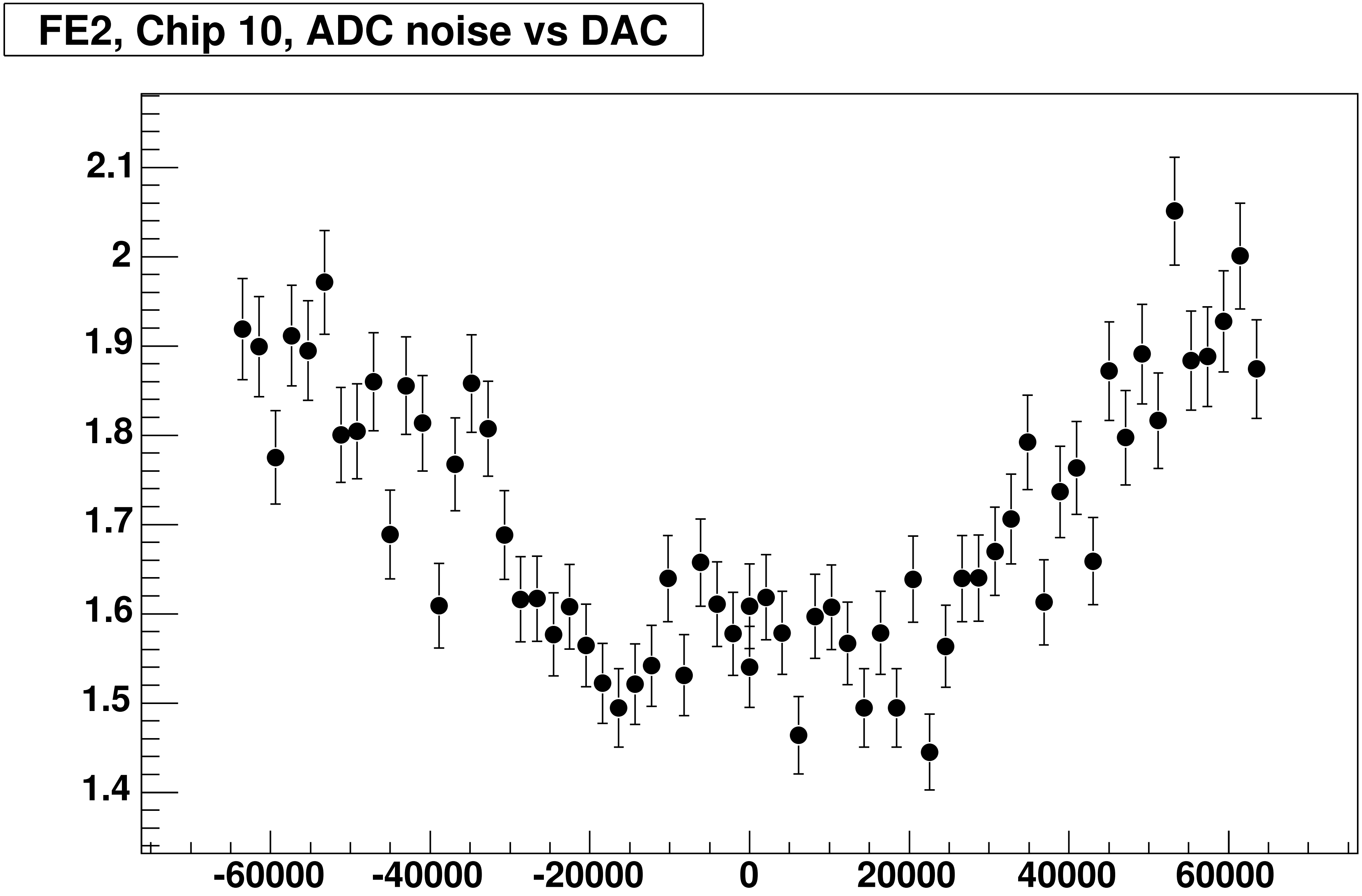

FE2, Chip 8, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

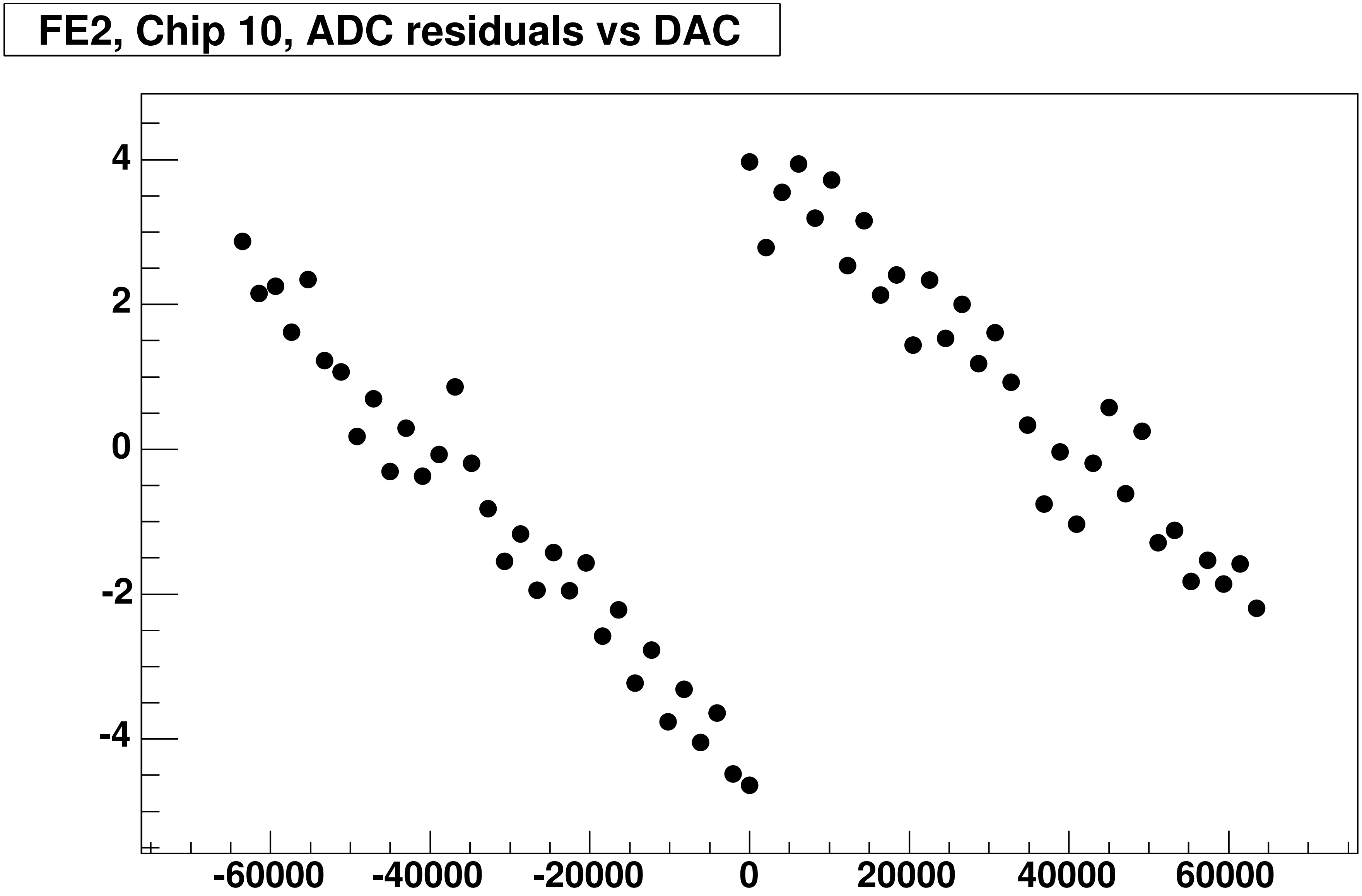

FE2, Chip 9, ADC mean vs DAC
χ2 / ndf 6.254e+04 / 62
p0 -12.68 ± 0.008768
p1 0.2369 ± 2.565e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

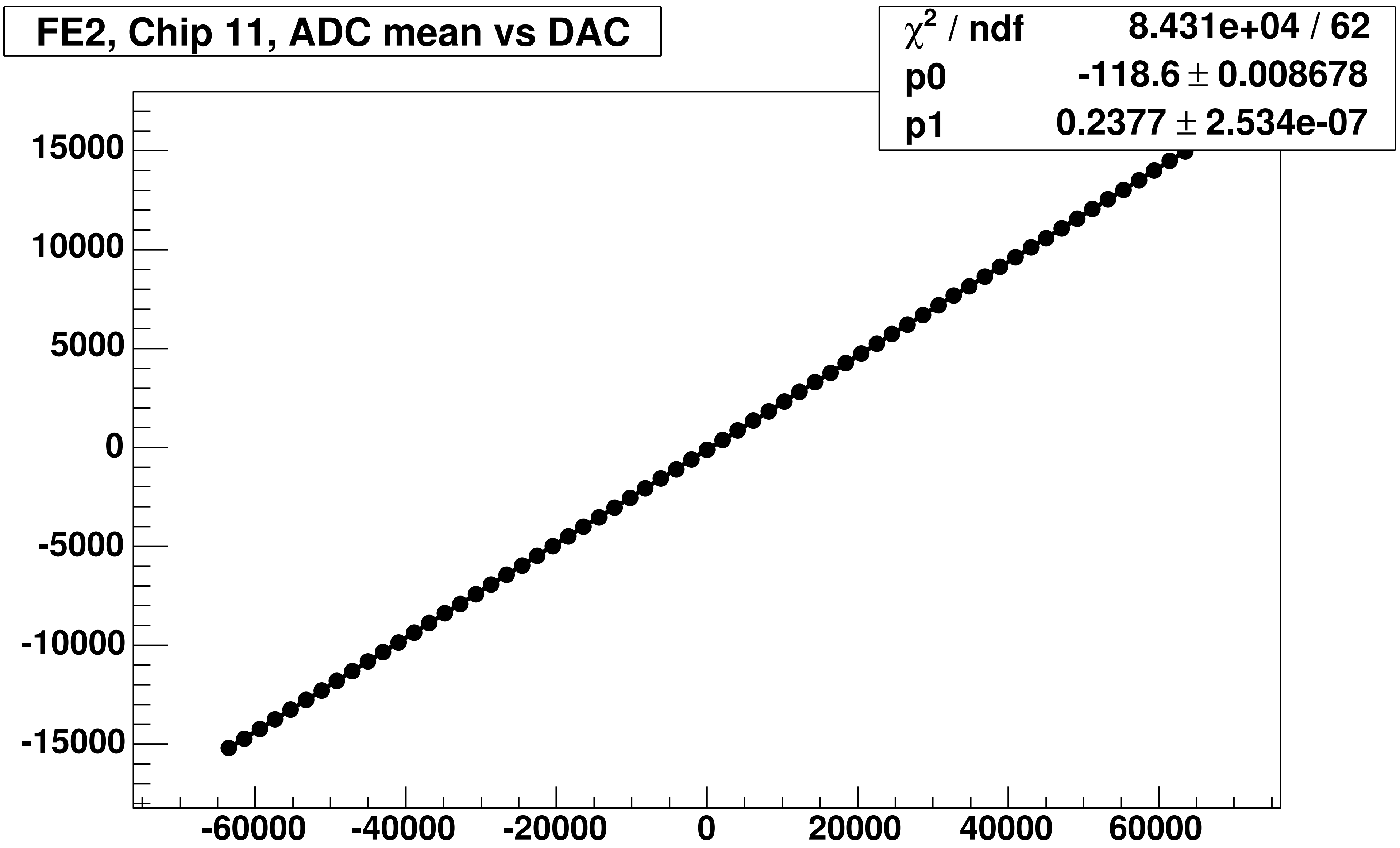

FE2, Chip 9, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

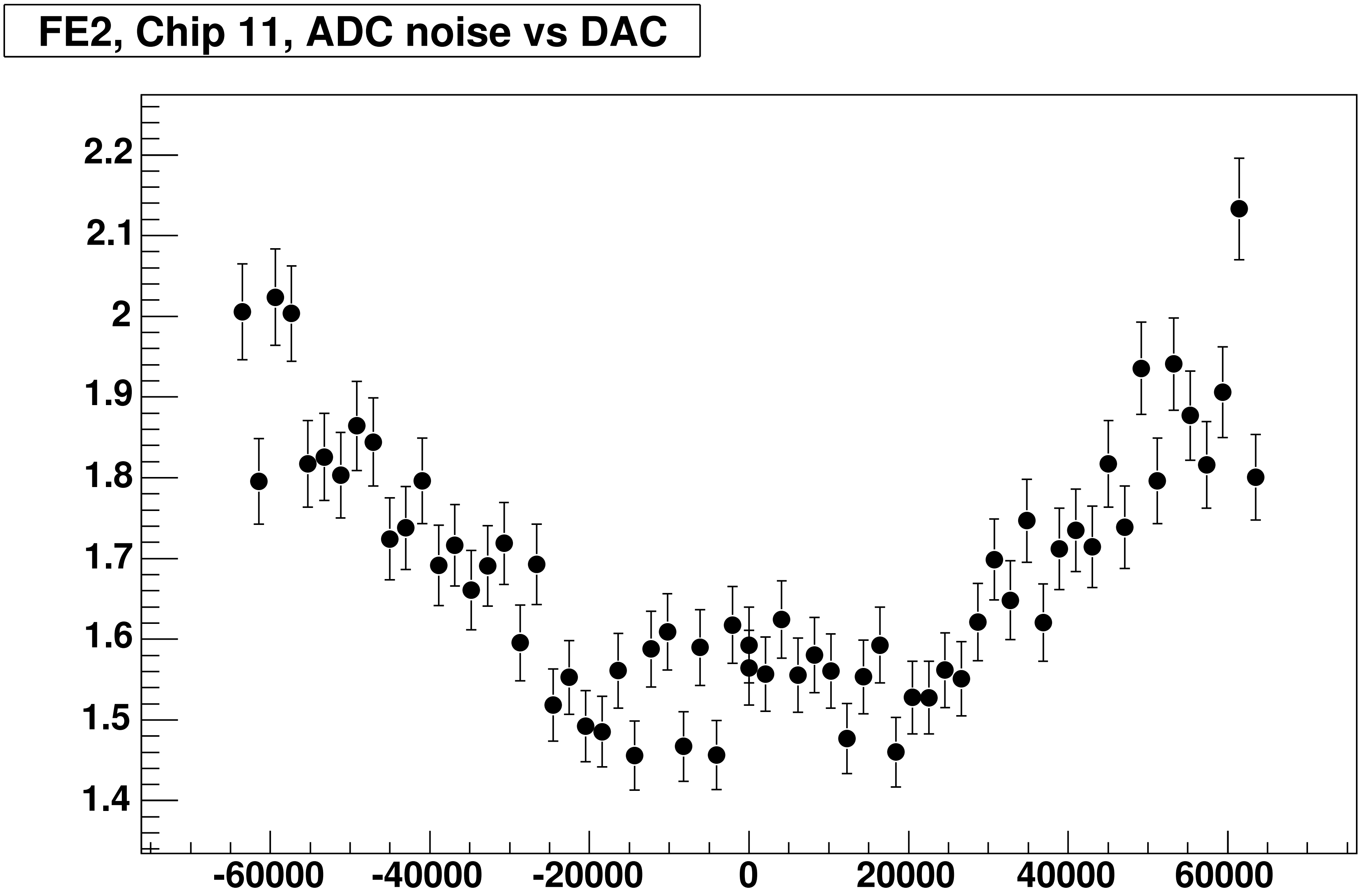

FE2, Chip 9, ADC residuals vs DAC
6
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 10, ADC mean vs DAC
χ^2 / ndf 7.006e+04 / 62
p0 30.73 ± 0.008772
p1 0.2371 ± 2.55e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

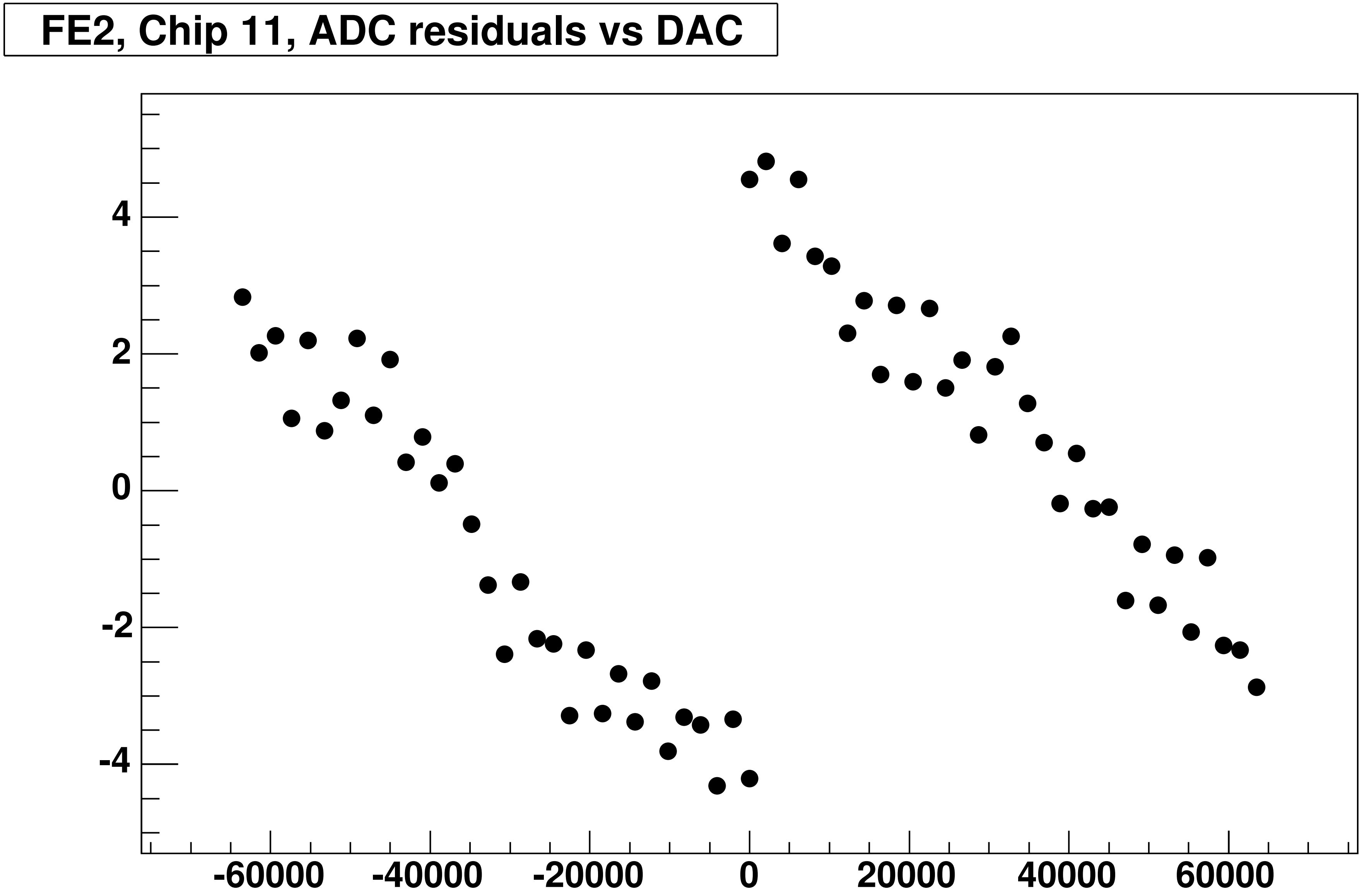

FE2, Chip 10, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 10, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

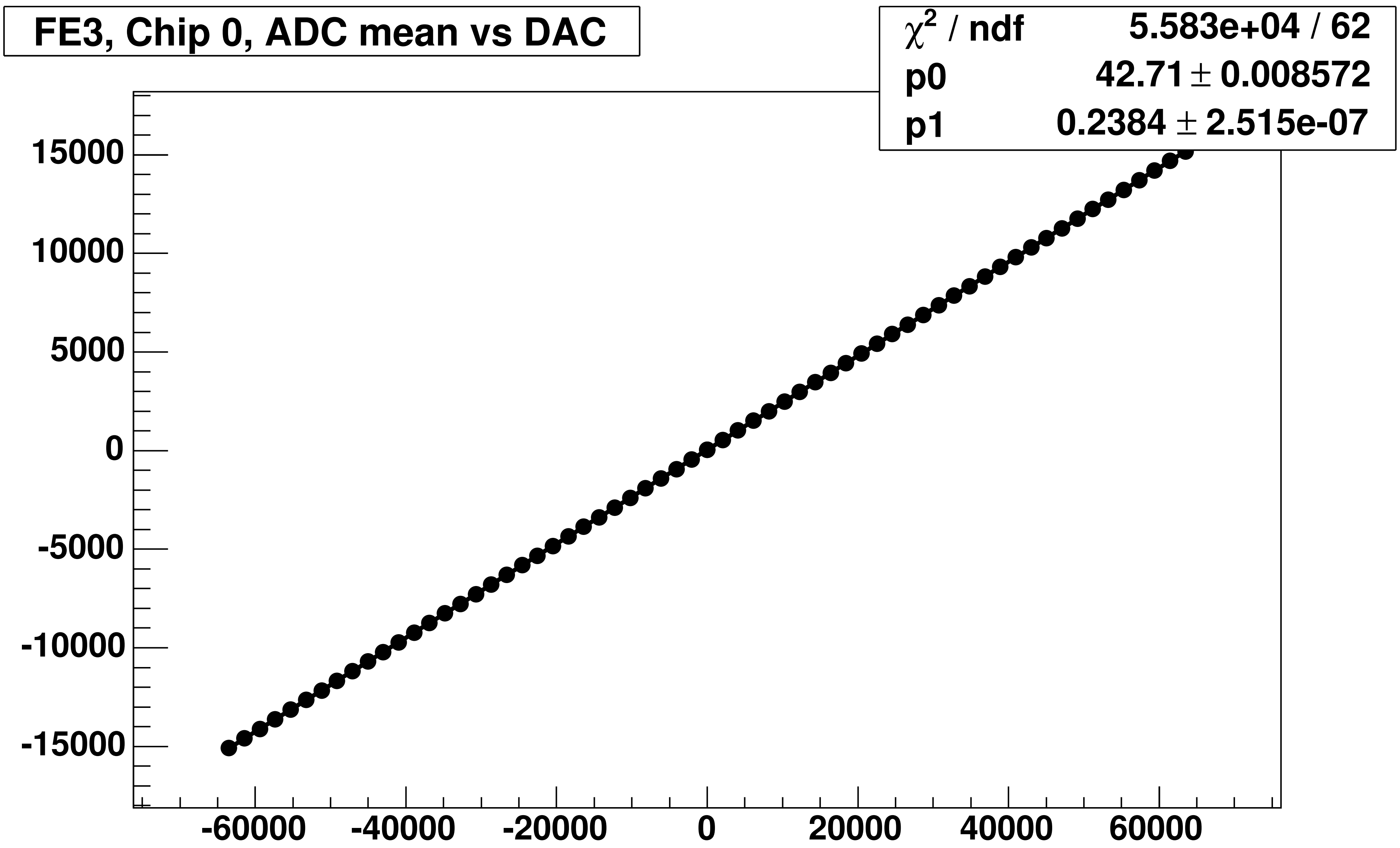

FE2, Chip 11, ADC mean vs DAC
χ2 / ndf 8.431e+04 / 62
p0 -118.6 ± 0.008678
p1 0.2377 ± 2.534e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

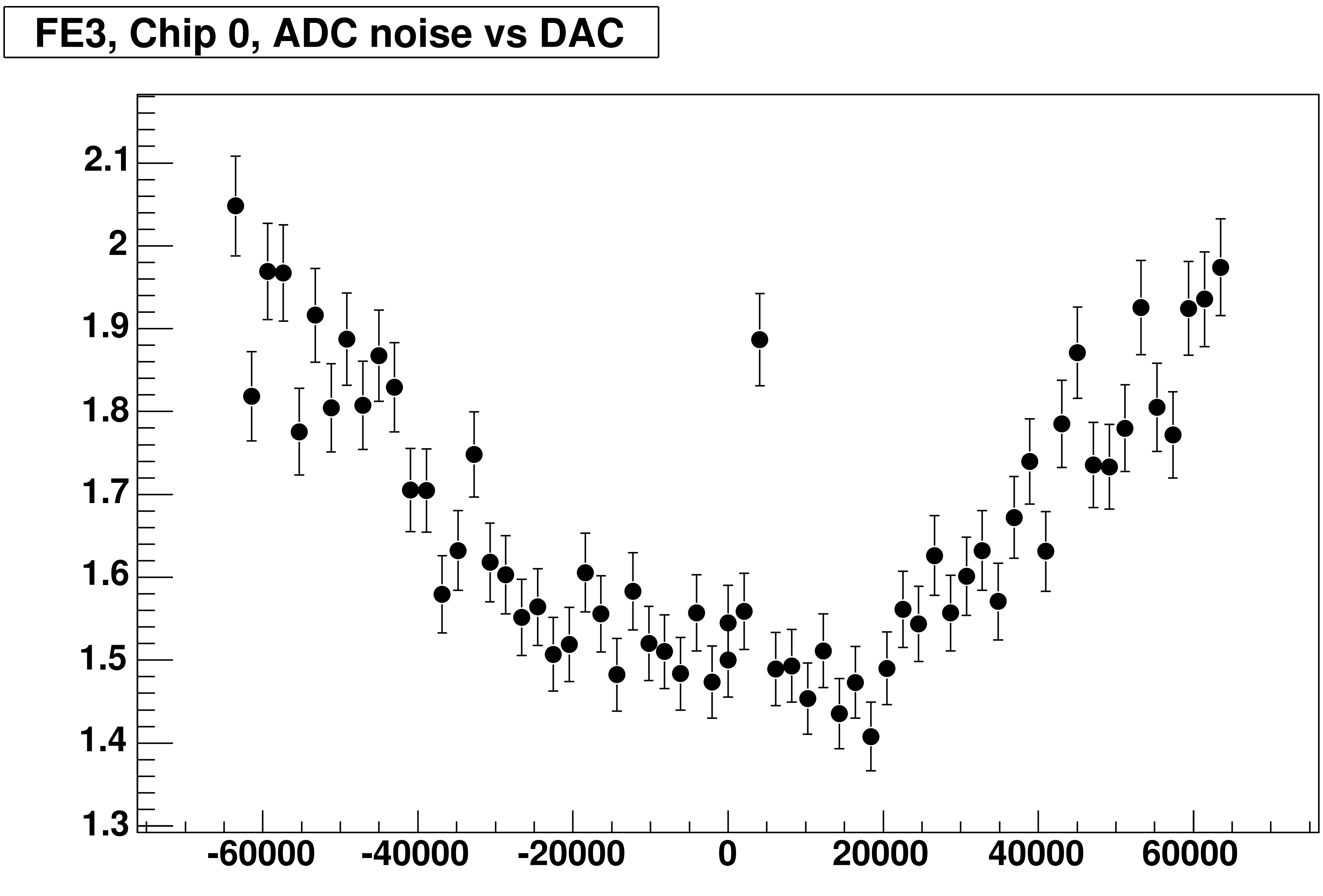


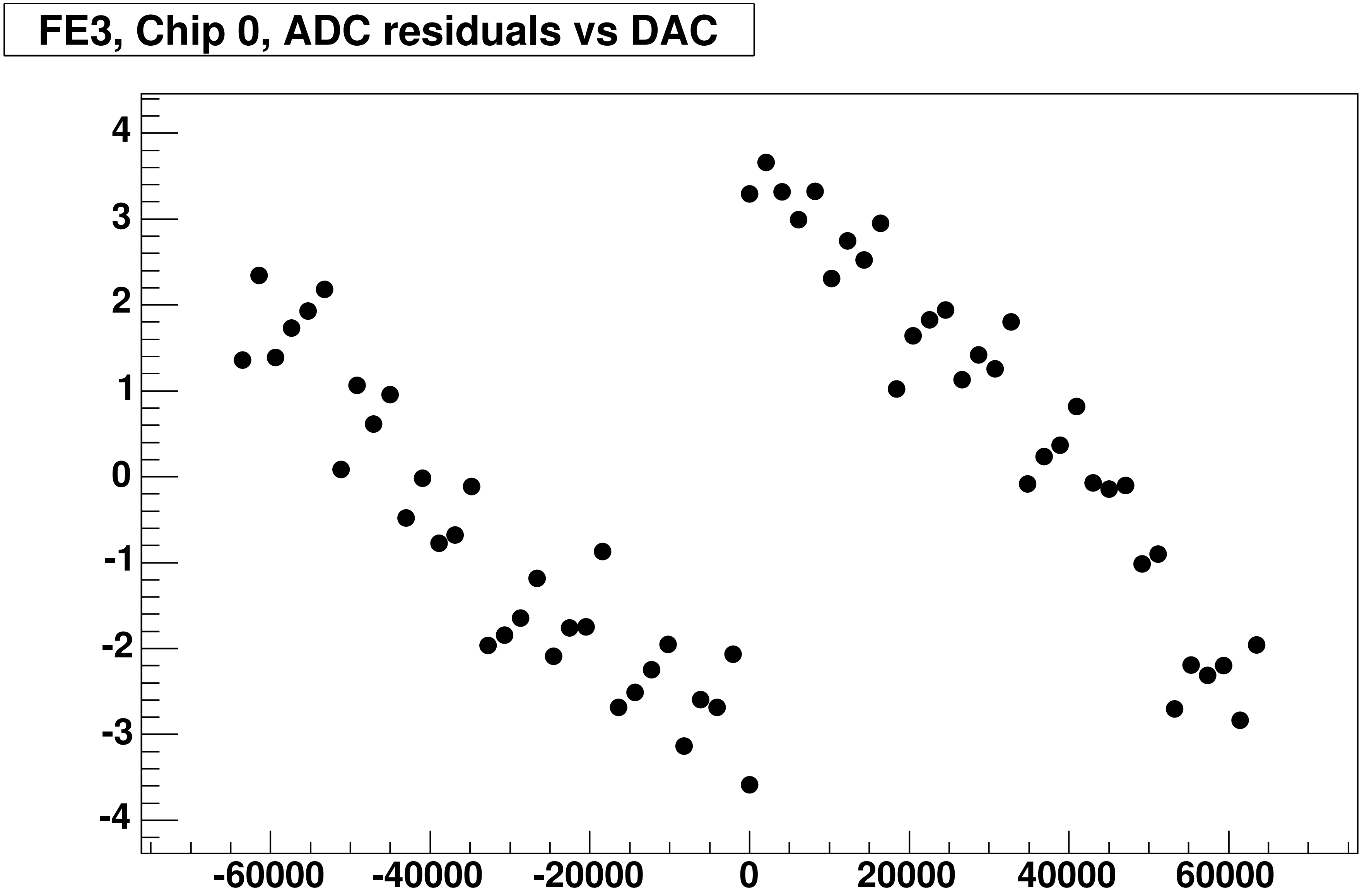
FE2, Chip 11, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

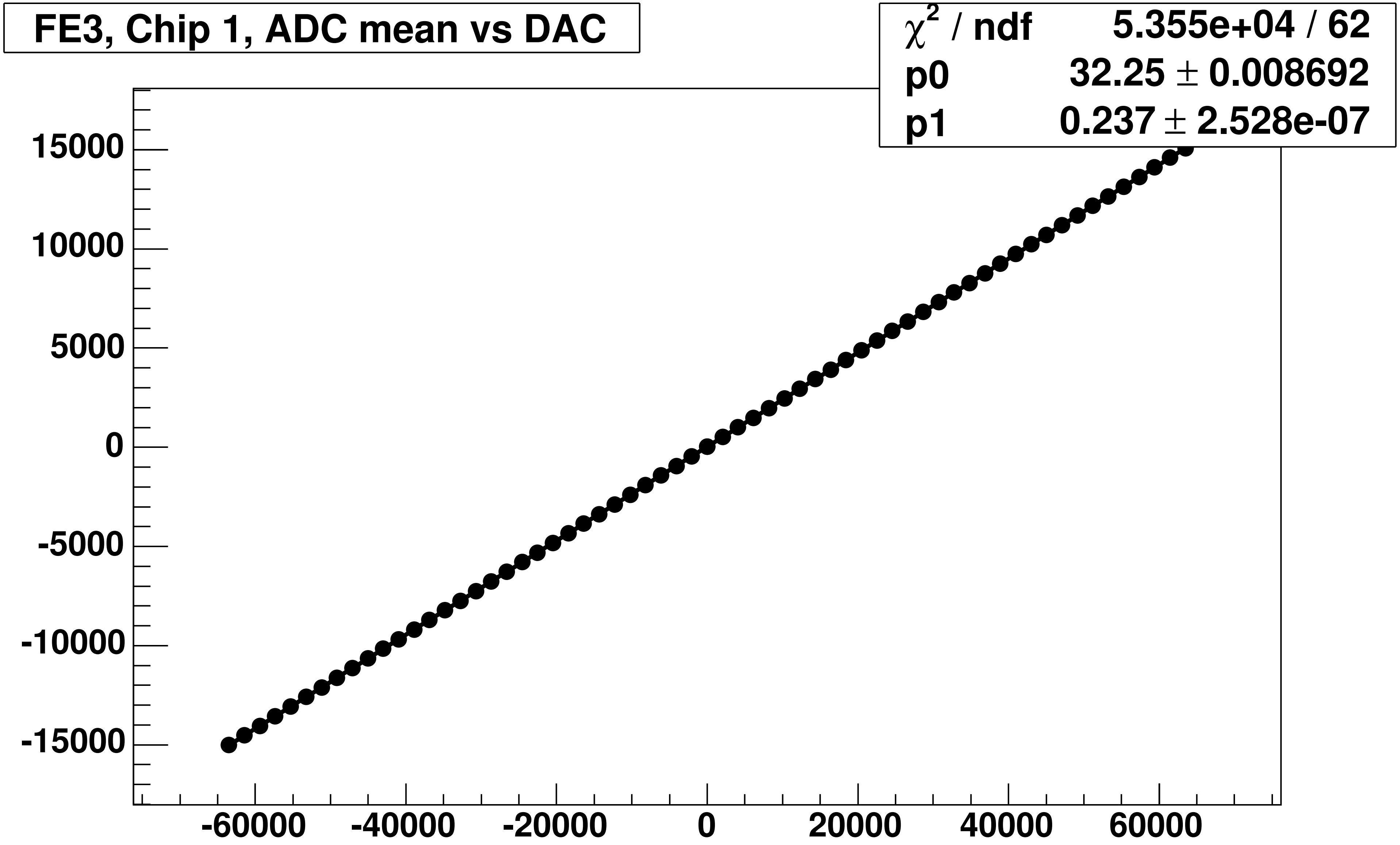


FE2, Chip 11, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

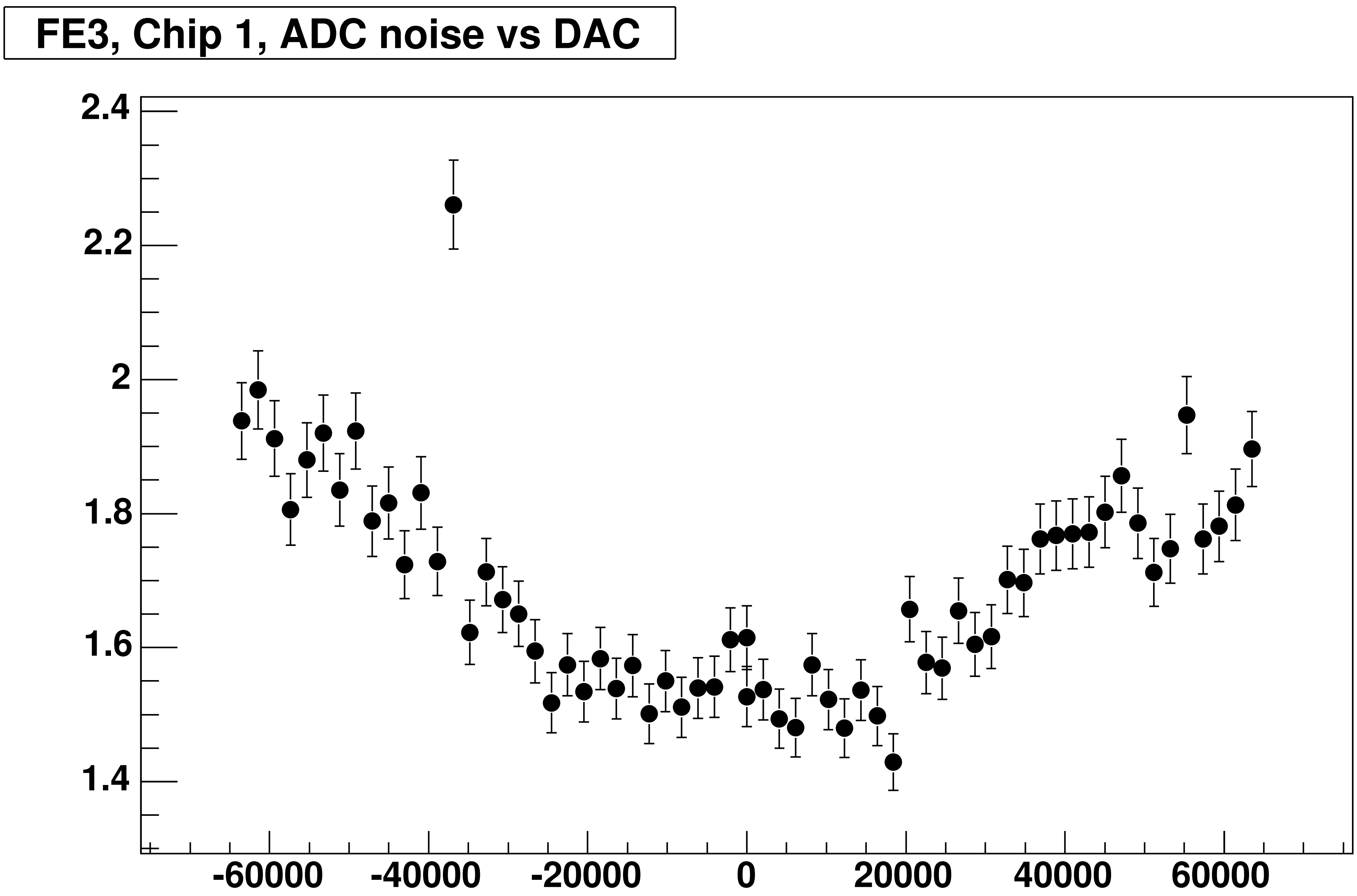

FE3, Chip 0, ADC mean vs DAC
χ^2 / ndf 5.583e+04 / 62
p0 42.71 ± 0.008572
p1 0.2384 ± 2.515e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

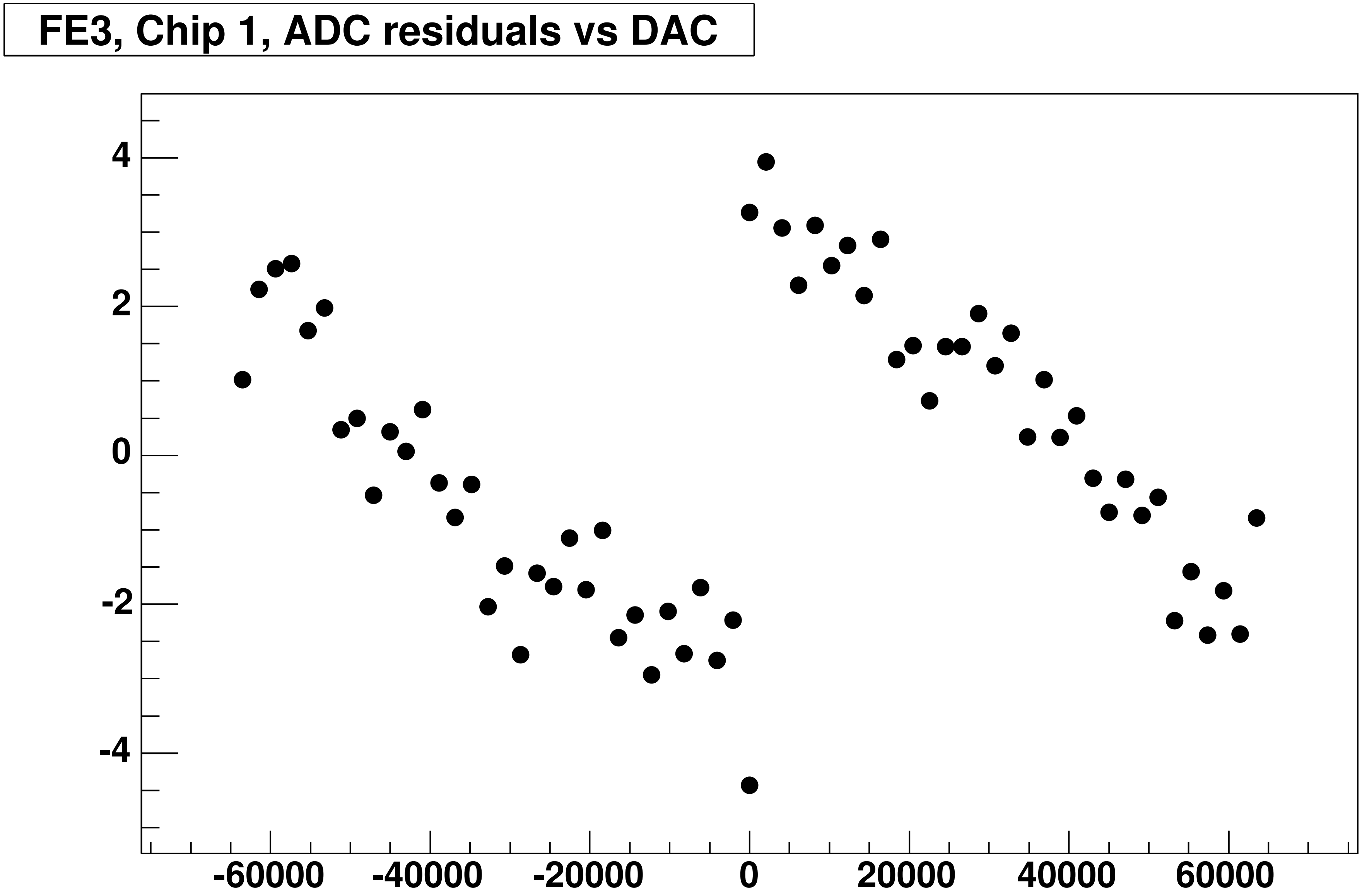

FE3, Chip 0, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

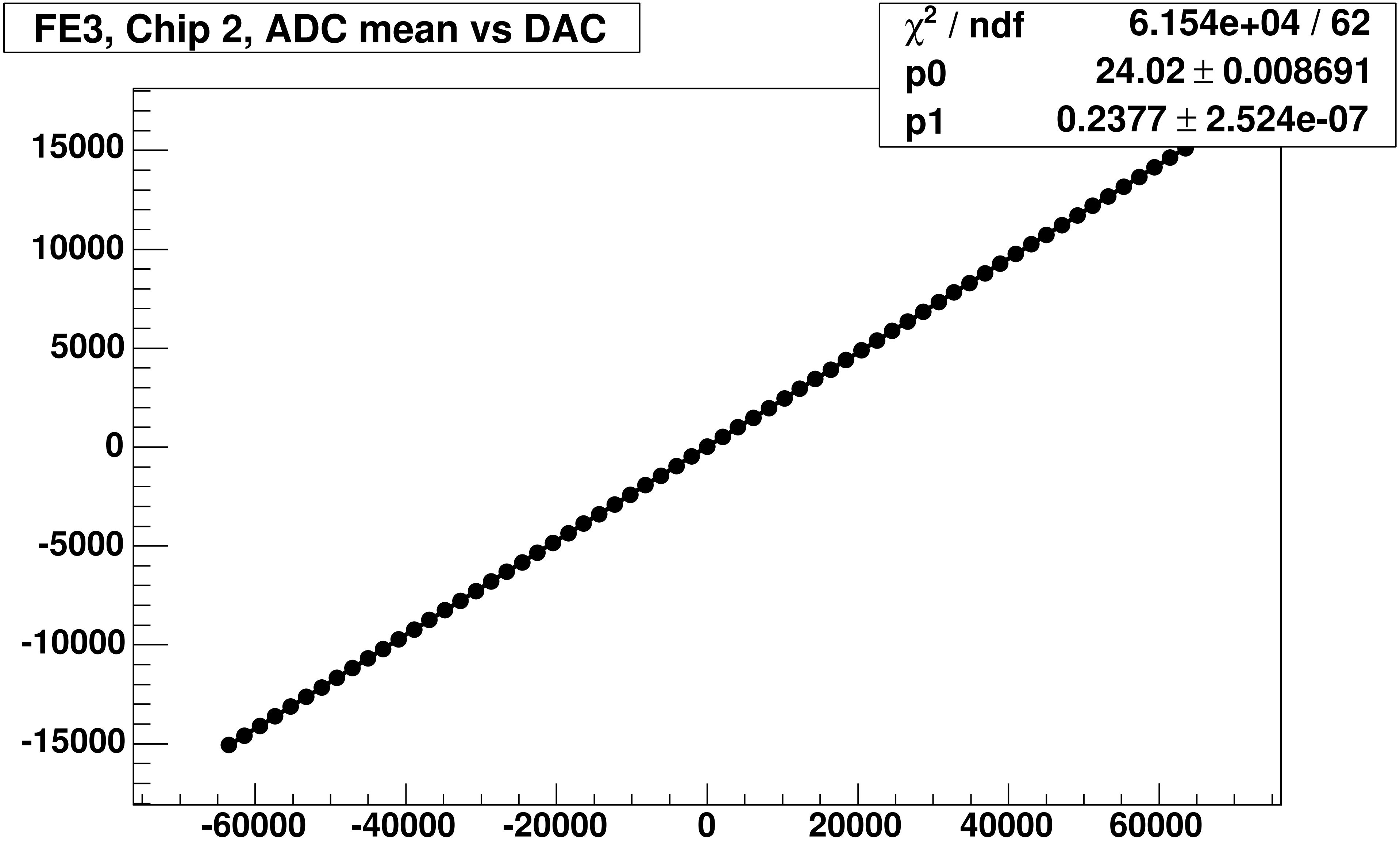

FE3, Chip 0, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

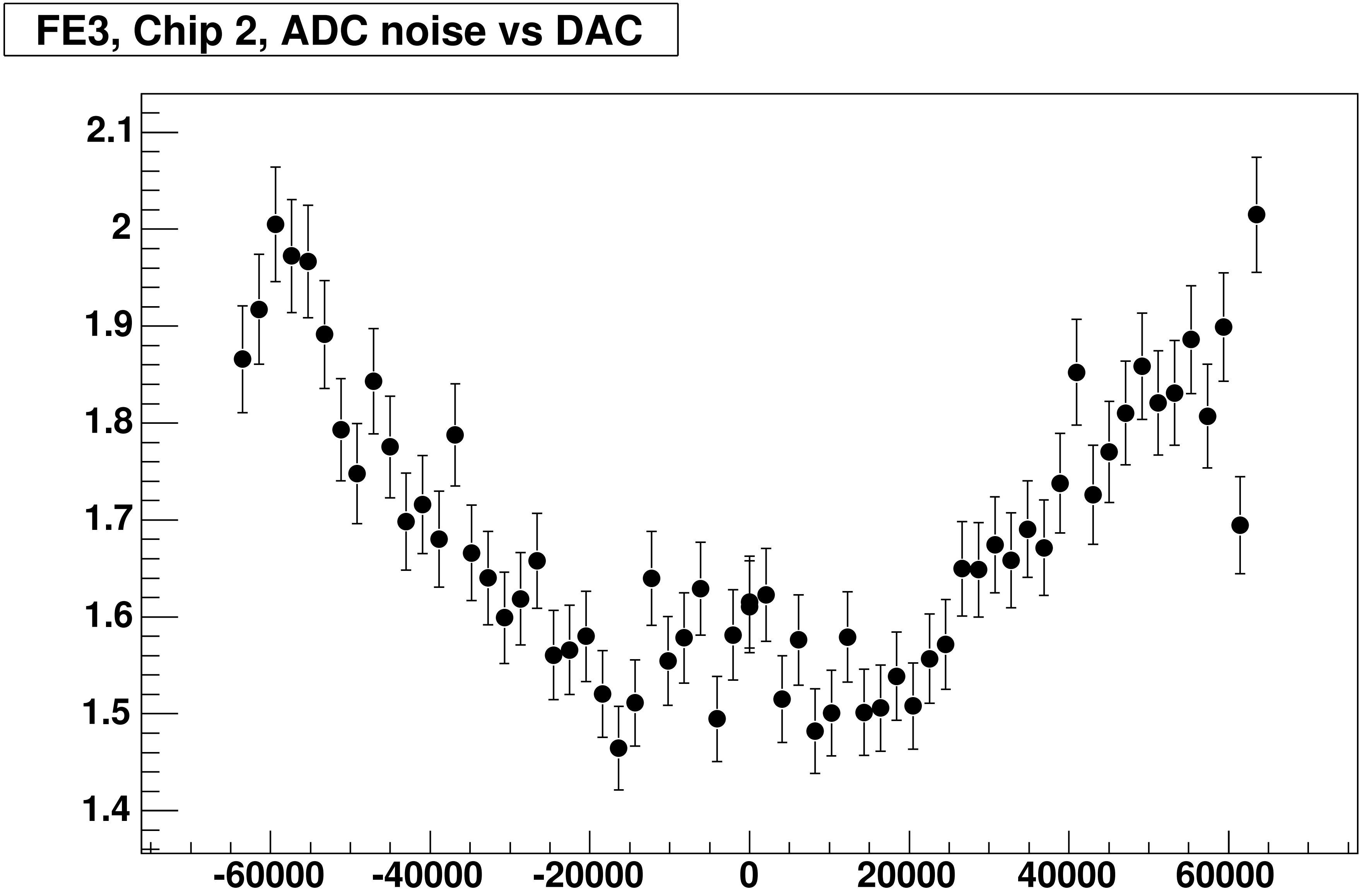


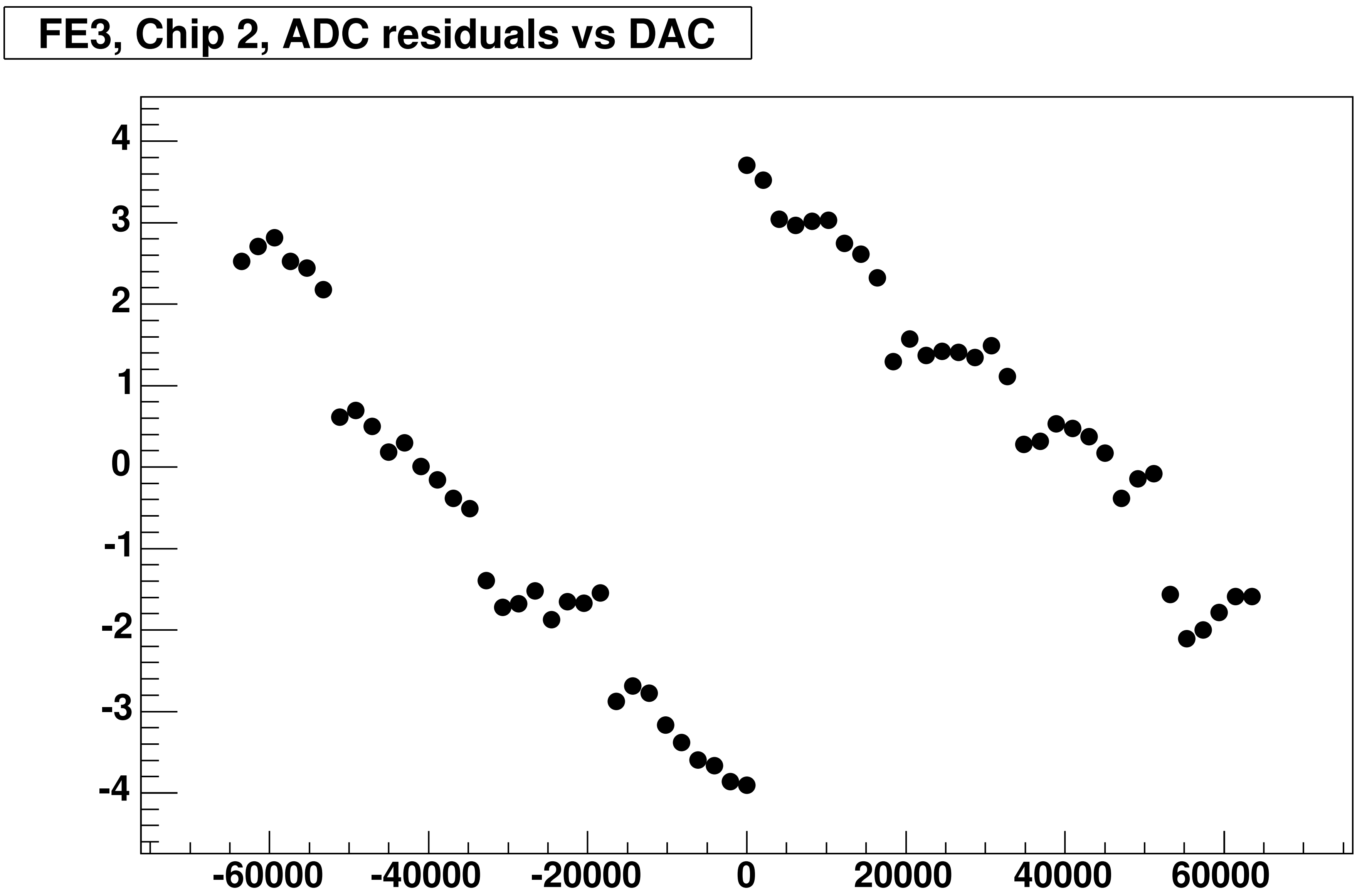
FE3, Chip 1, ADC mean vs DAC
χ² / ndf 5.355e+04 / 62
p0 32.25 ± 0.008692
p1 0.237 ± 2.528e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

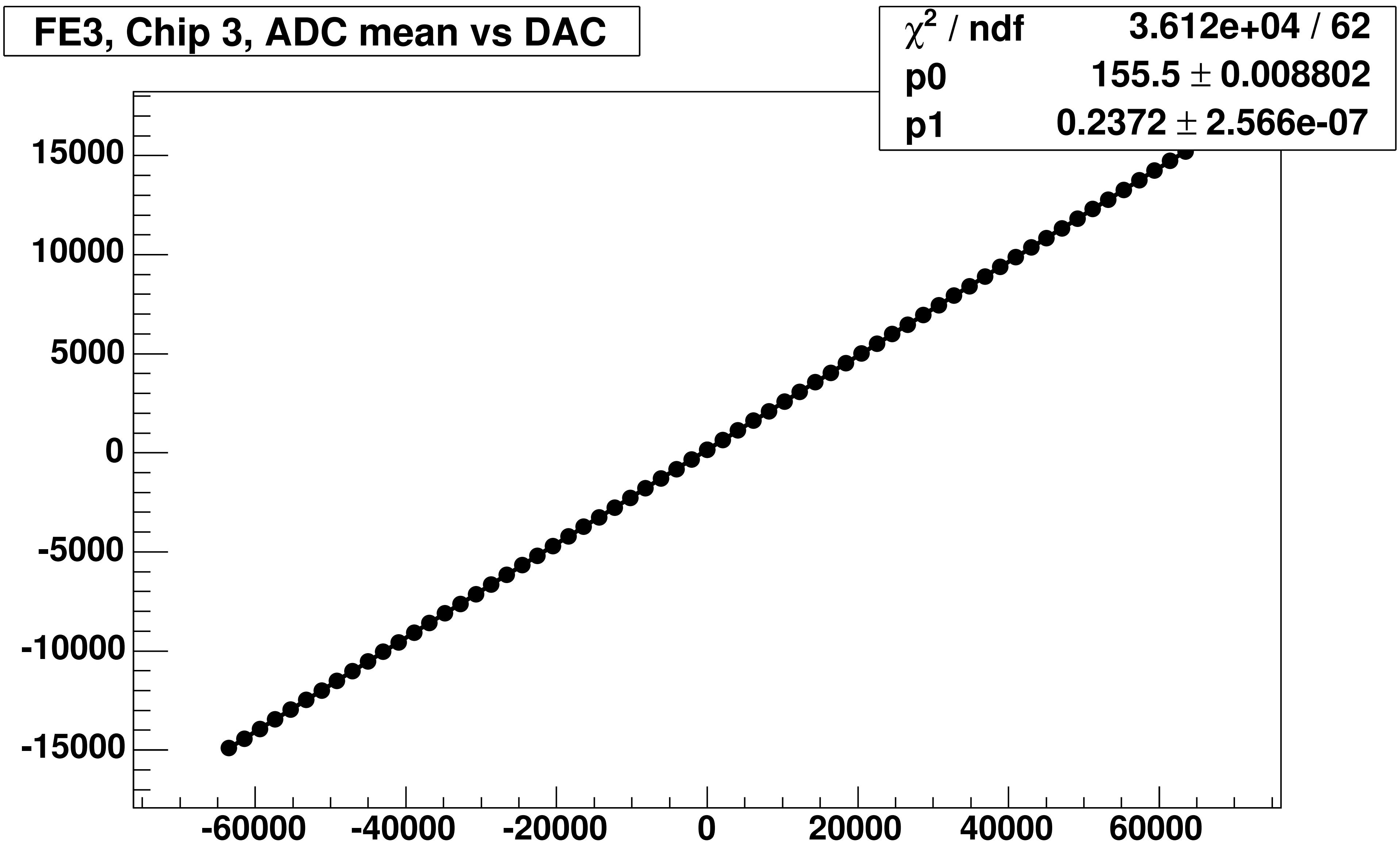

FE3, Chip 1, ADC noise vs DAC
2.4
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

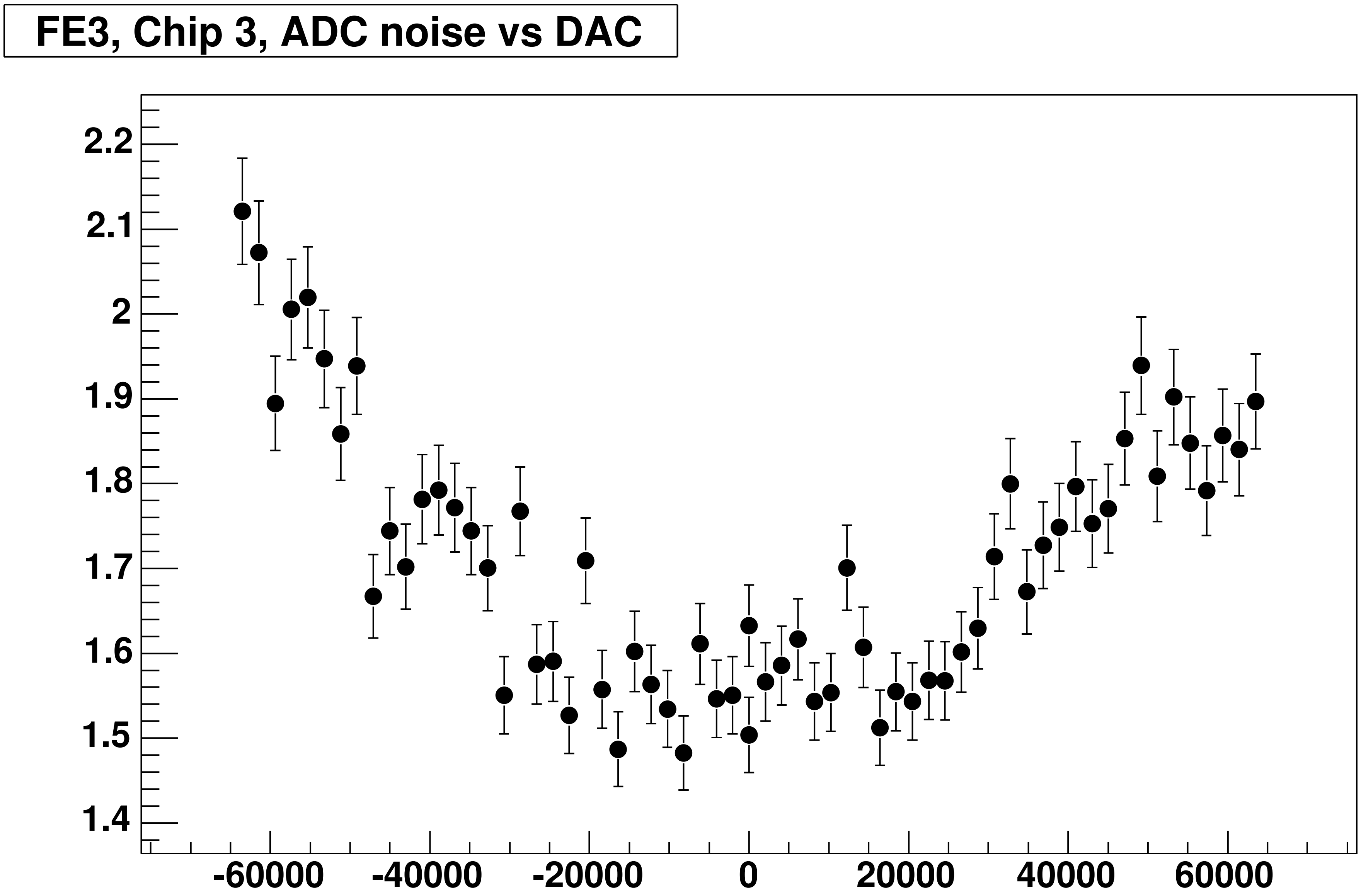

FE3, Chip 1, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

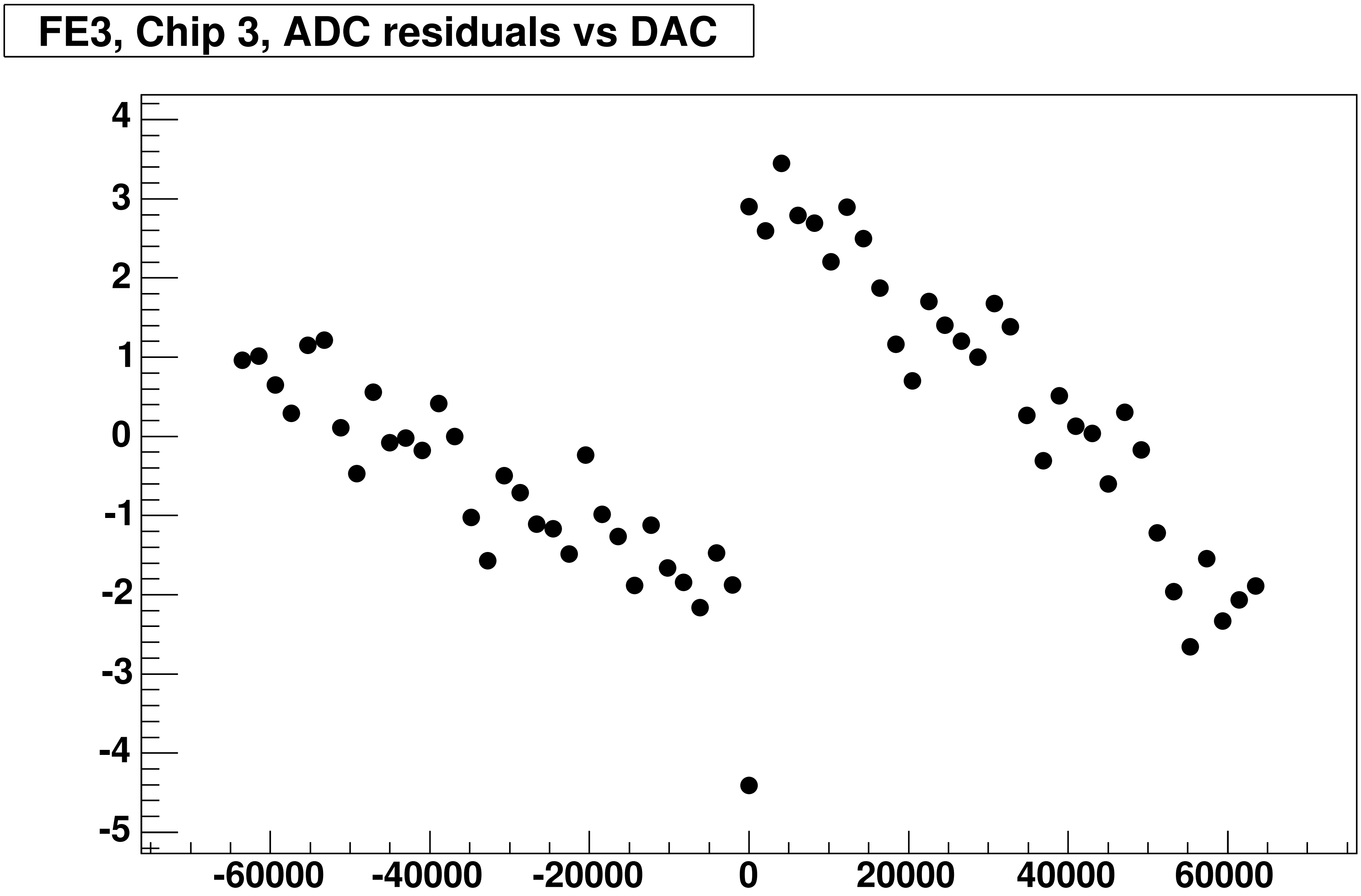

FE3, Chip 2, ADC mean vs DAC
χ^2 / ndf 6.154e+04 / 62
p0 24.02 ± 0.008691
p1 0.2377 ± 2.524e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

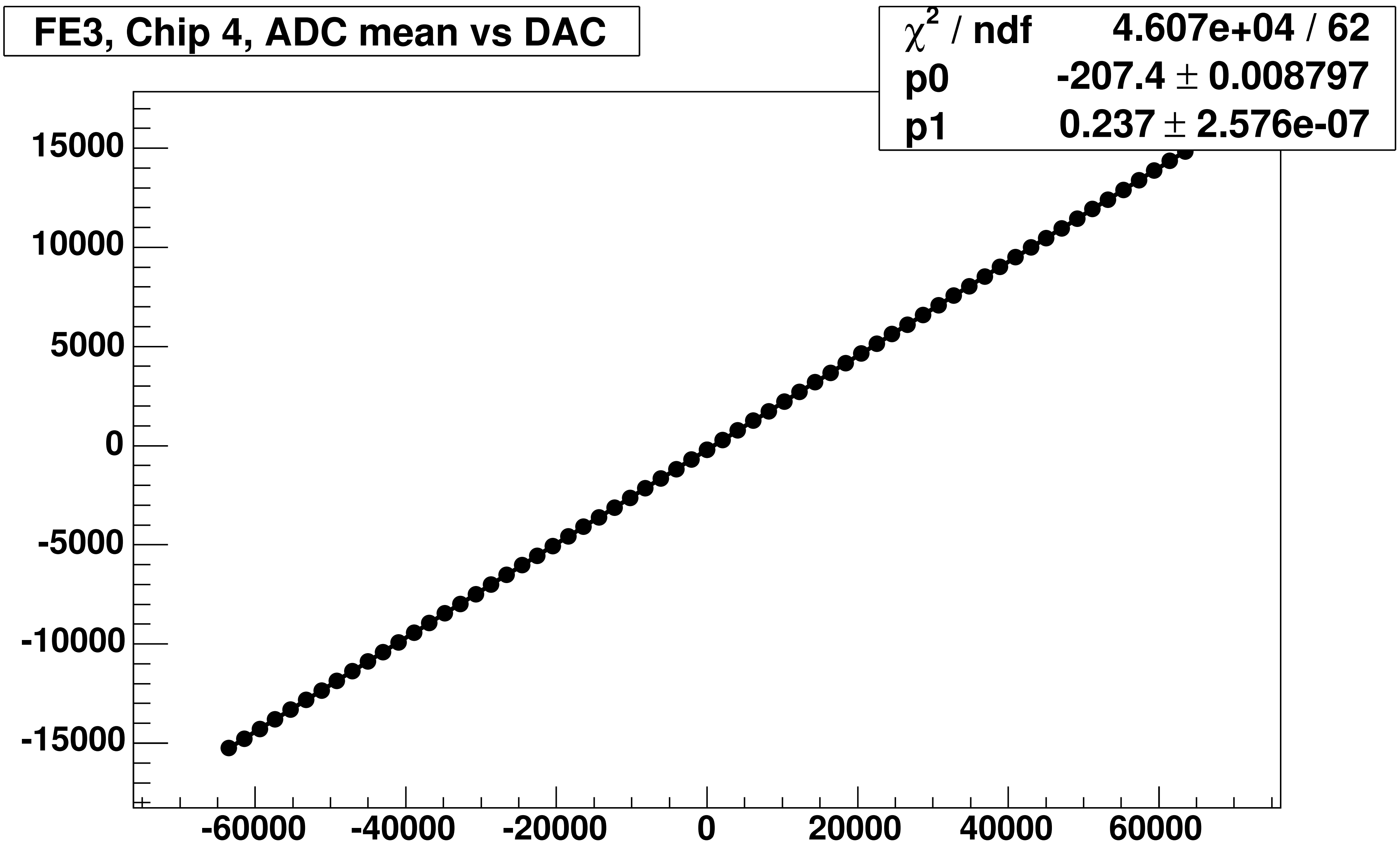

FE3, Chip 2, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

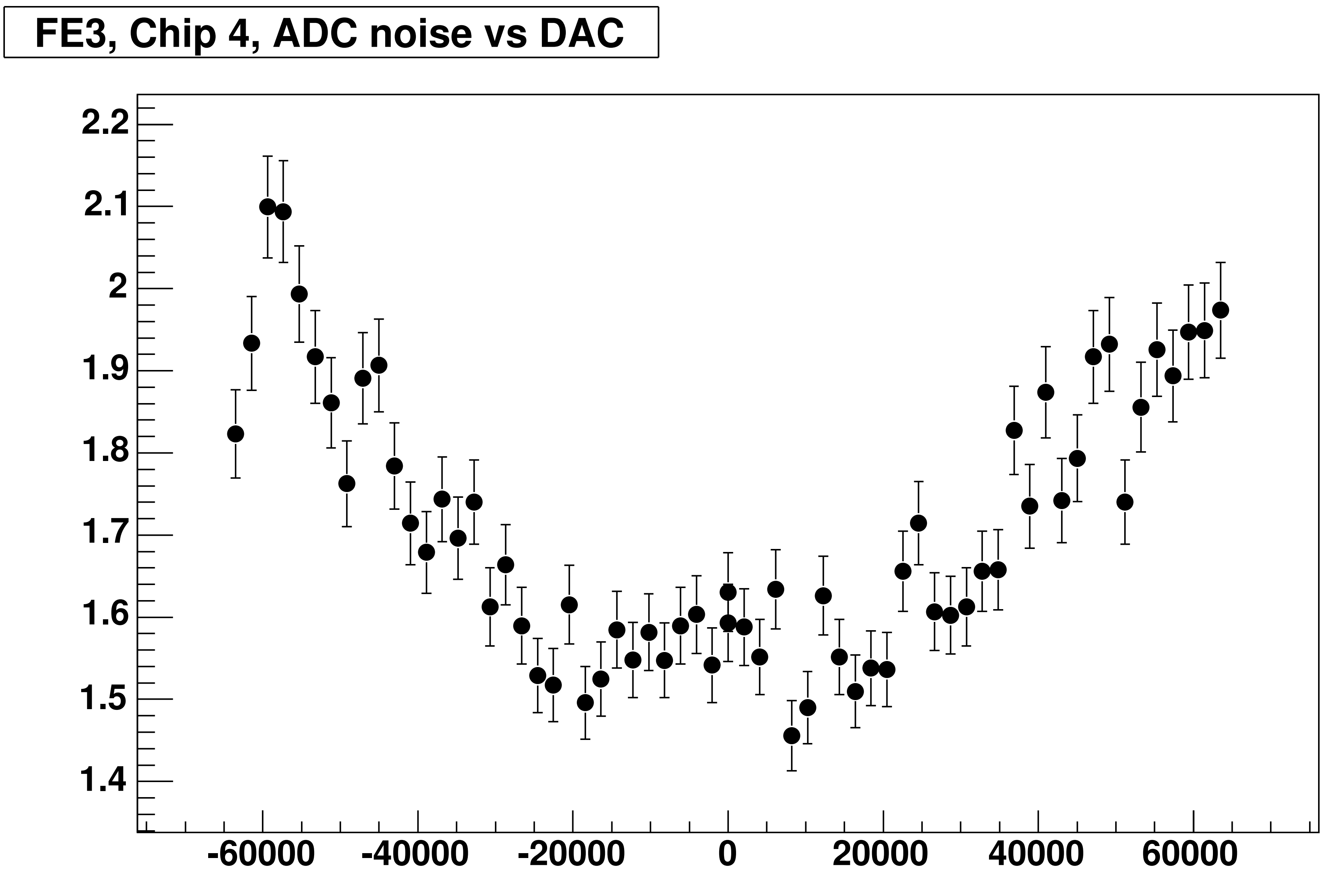

FE3, Chip 2, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

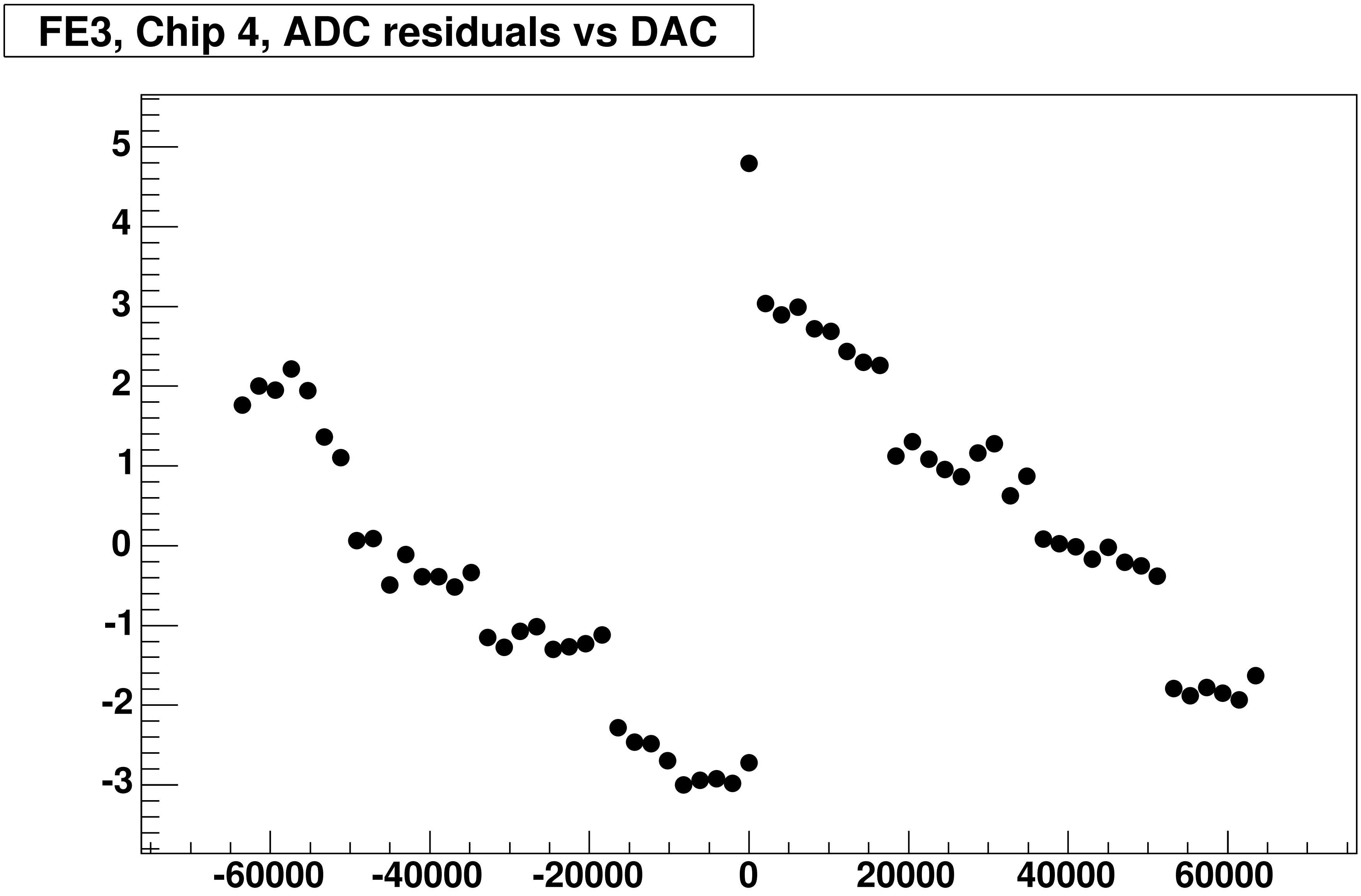

FE3, Chip 3, ADC mean vs DAC
χ² / ndf 3.612e+04 / 62
p0 155.5 ± 0.008802
p1 0.2372 ± 2.566e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

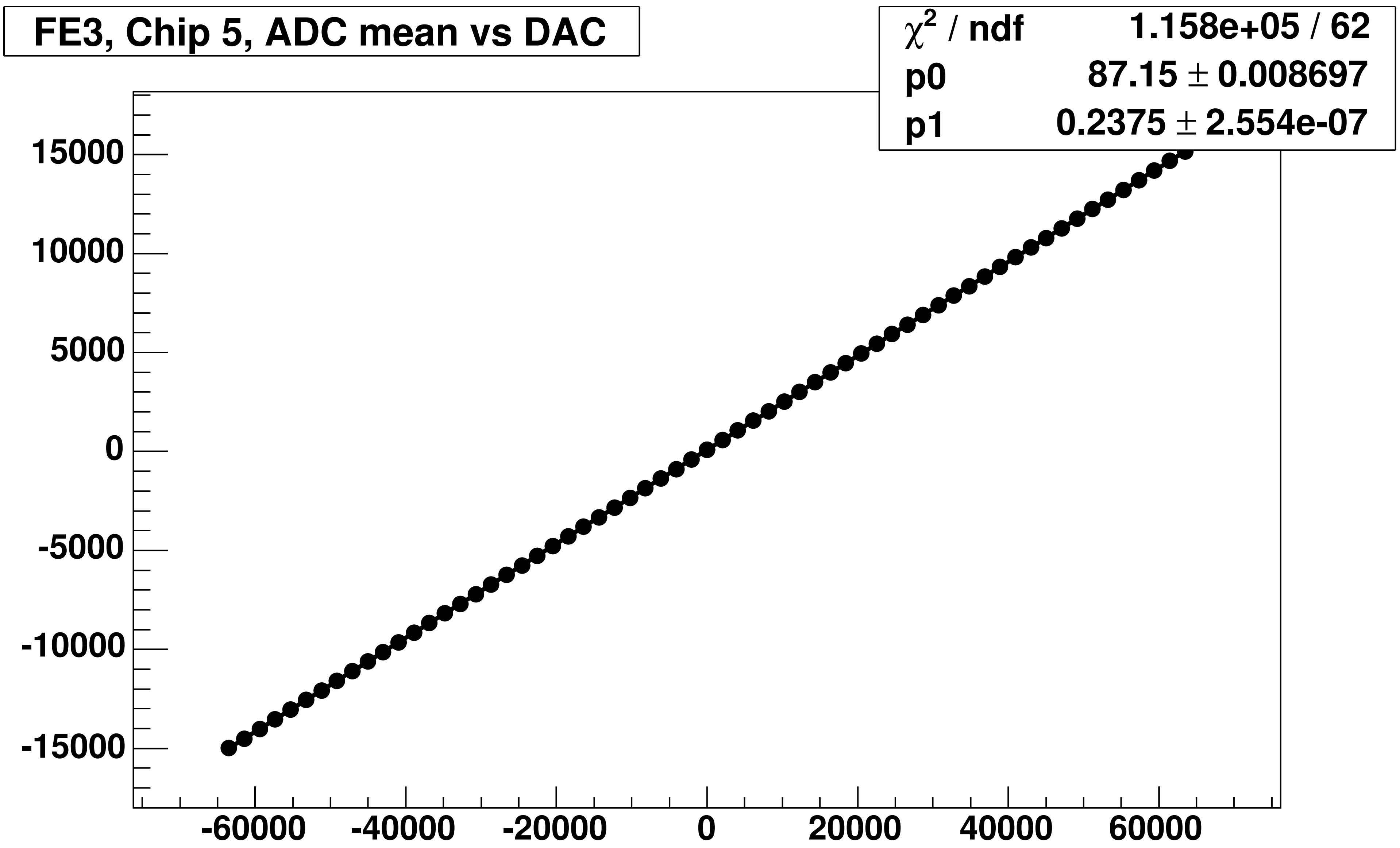

FE3, Chip 3, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

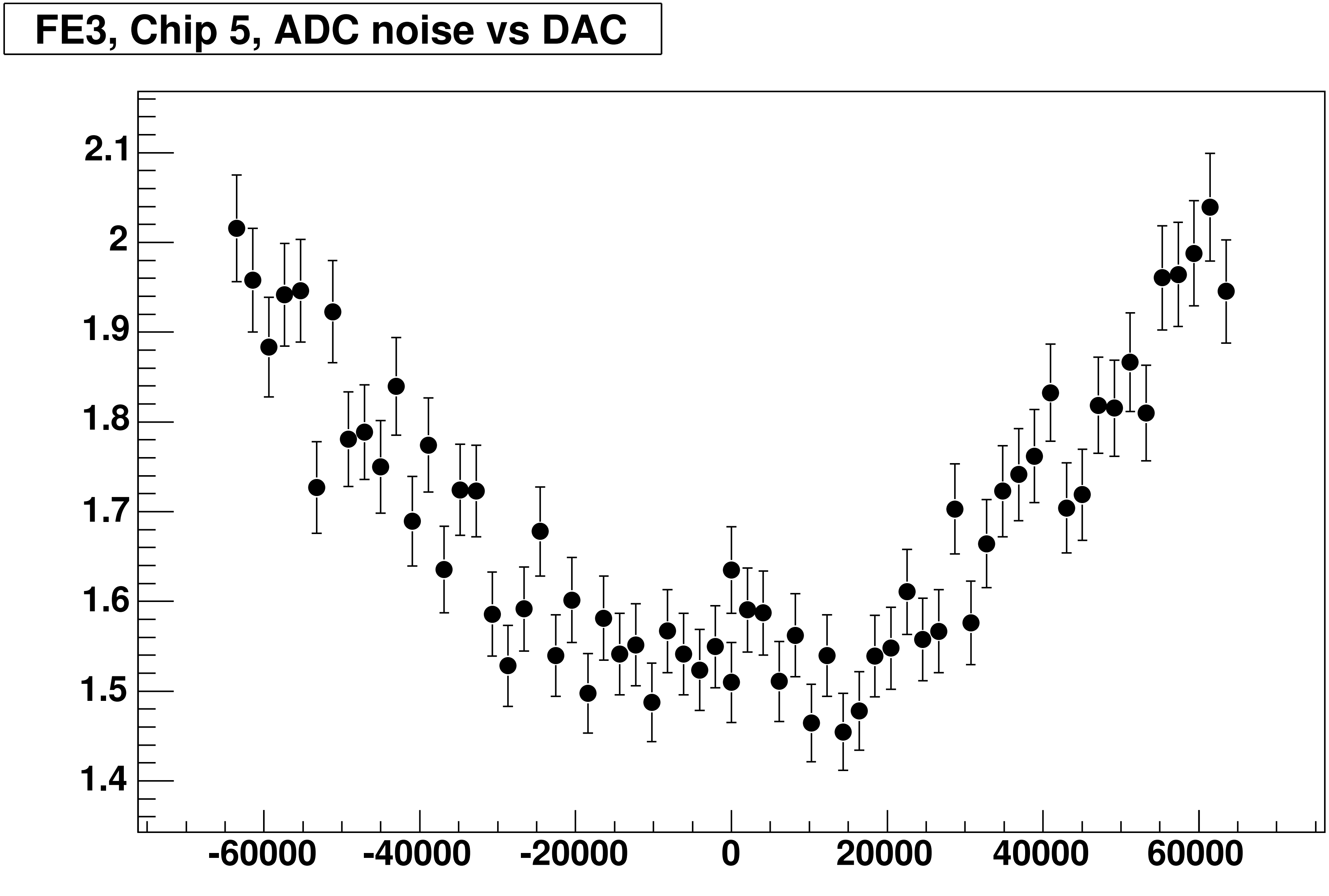

FE3, Chip 3, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-5
-60000
-40000
-20000
0
20000
40000
60000

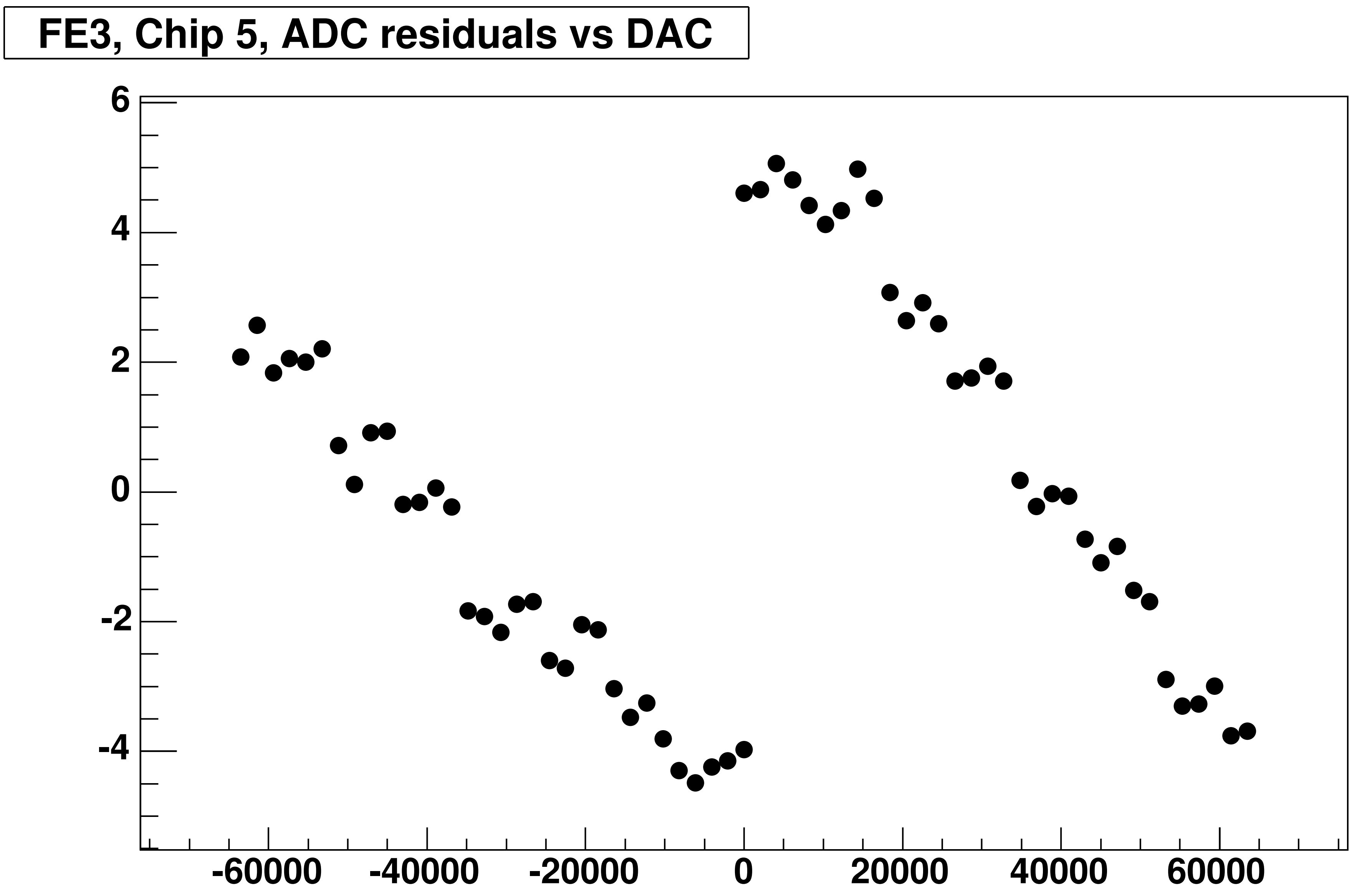

FE3, Chip 4, ADC mean vs DAC
χ^2 / ndf 4.607e+04 / 62
p0 -207.4 ± 0.008797
p1 0.237 ± 2.576e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

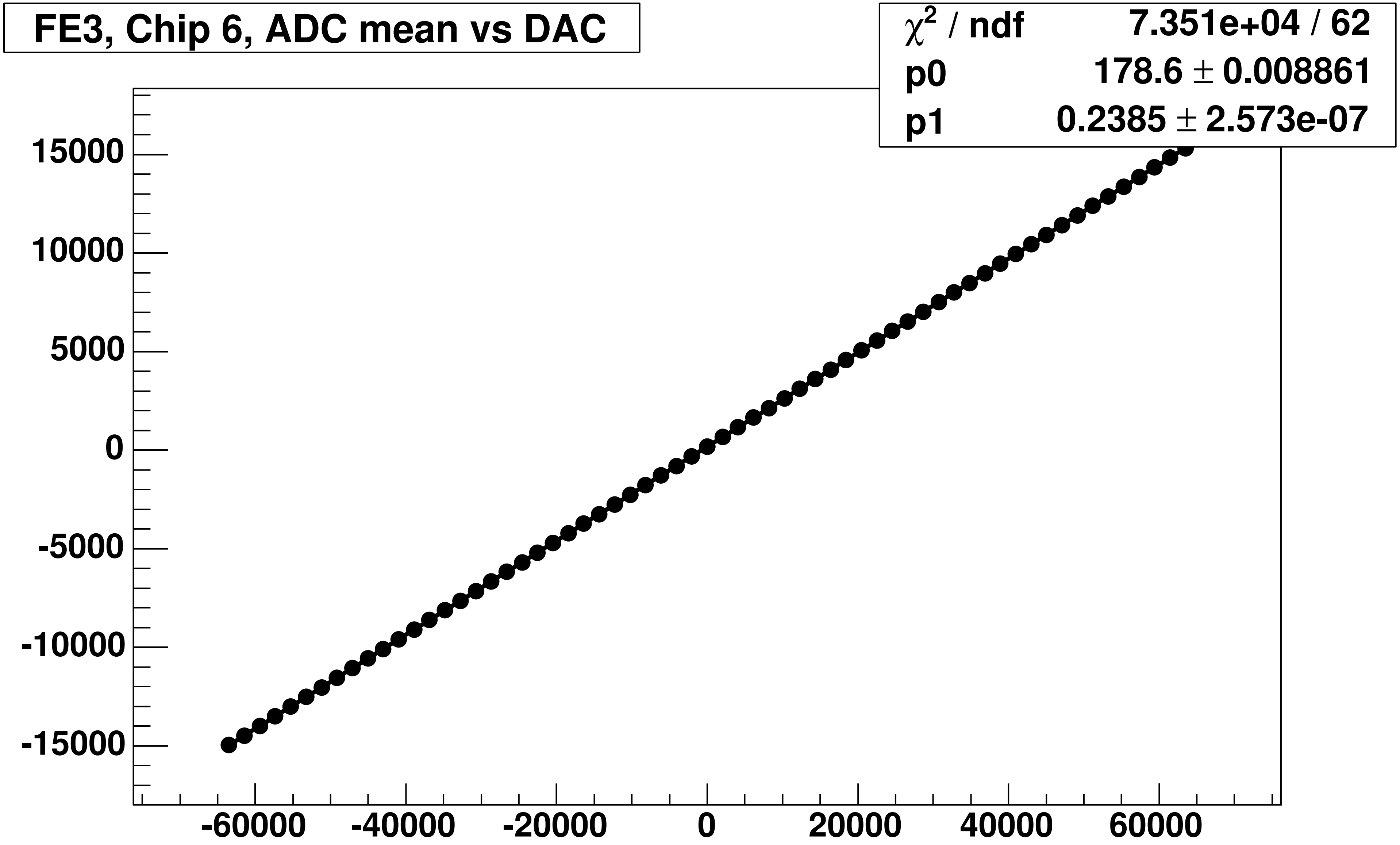

FE3, Chip 4, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 4, ADC residuals vs DAC
5
4
3
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000

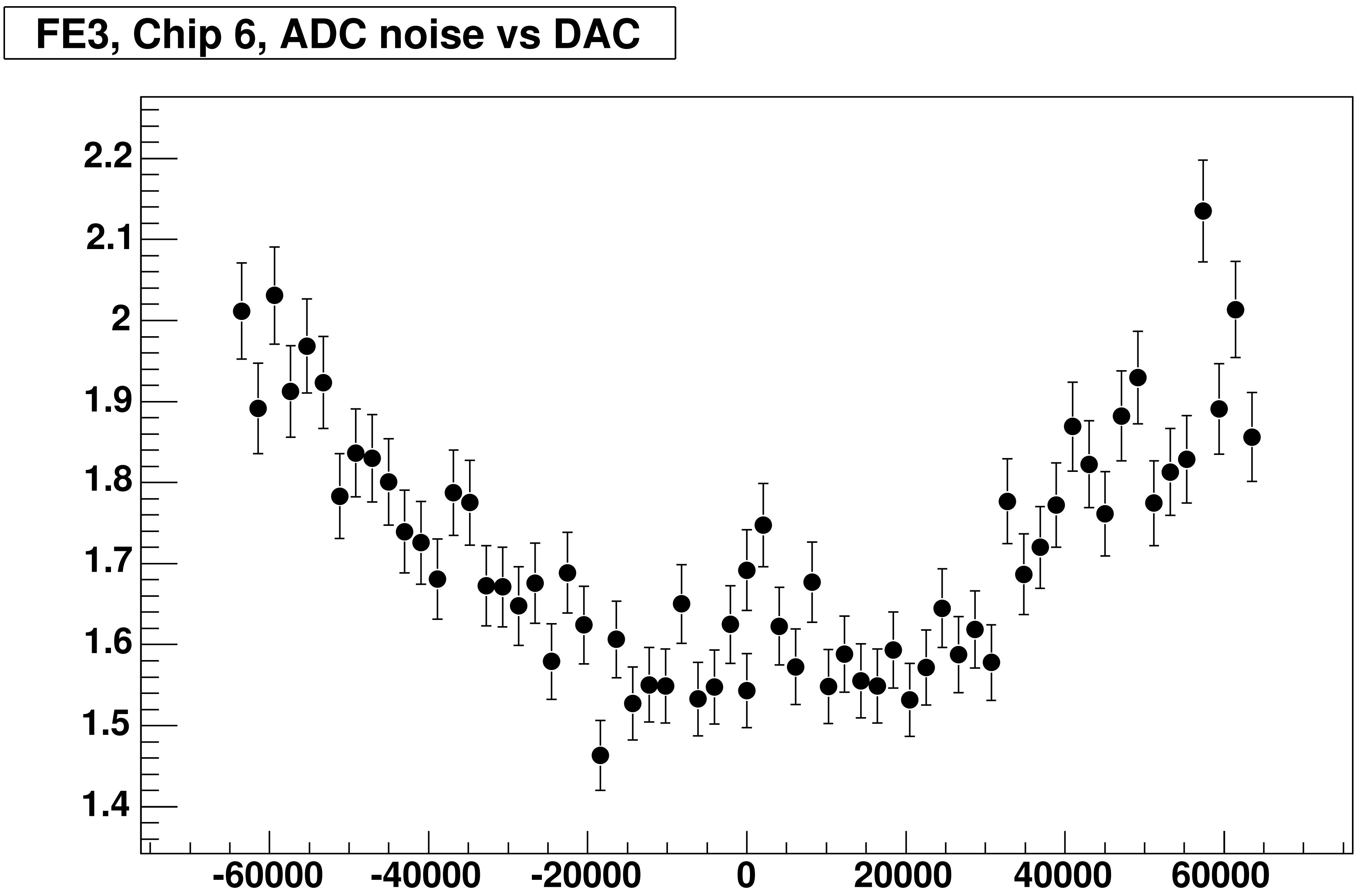

FE3, Chip 5, ADC mean vs DAC
χ^2 / ndf 1.158e+05 / 62
p0 87.15 ± 0.008697
p1 0.2375 ± 2.554e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

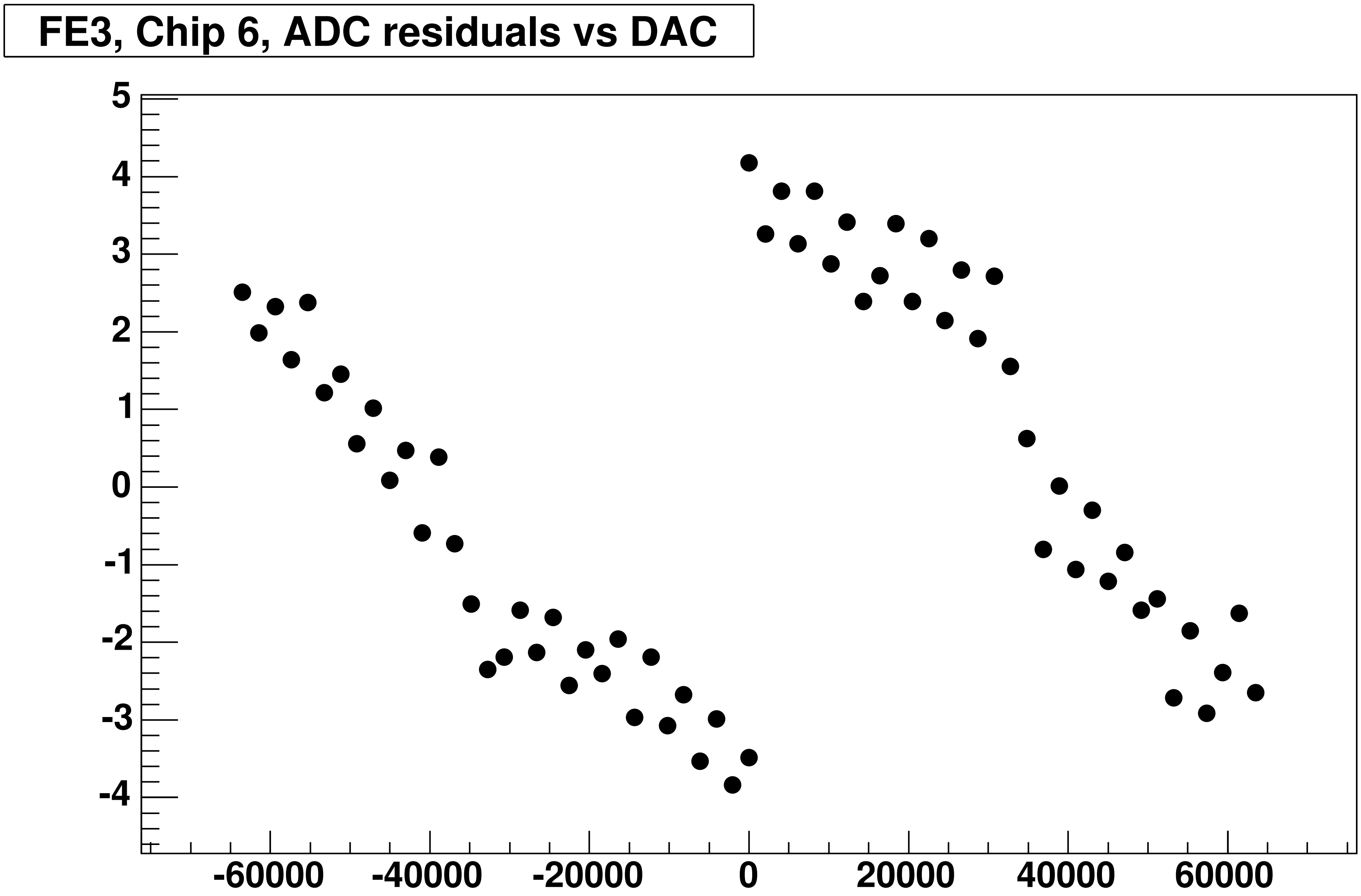

FE3, Chip 5, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

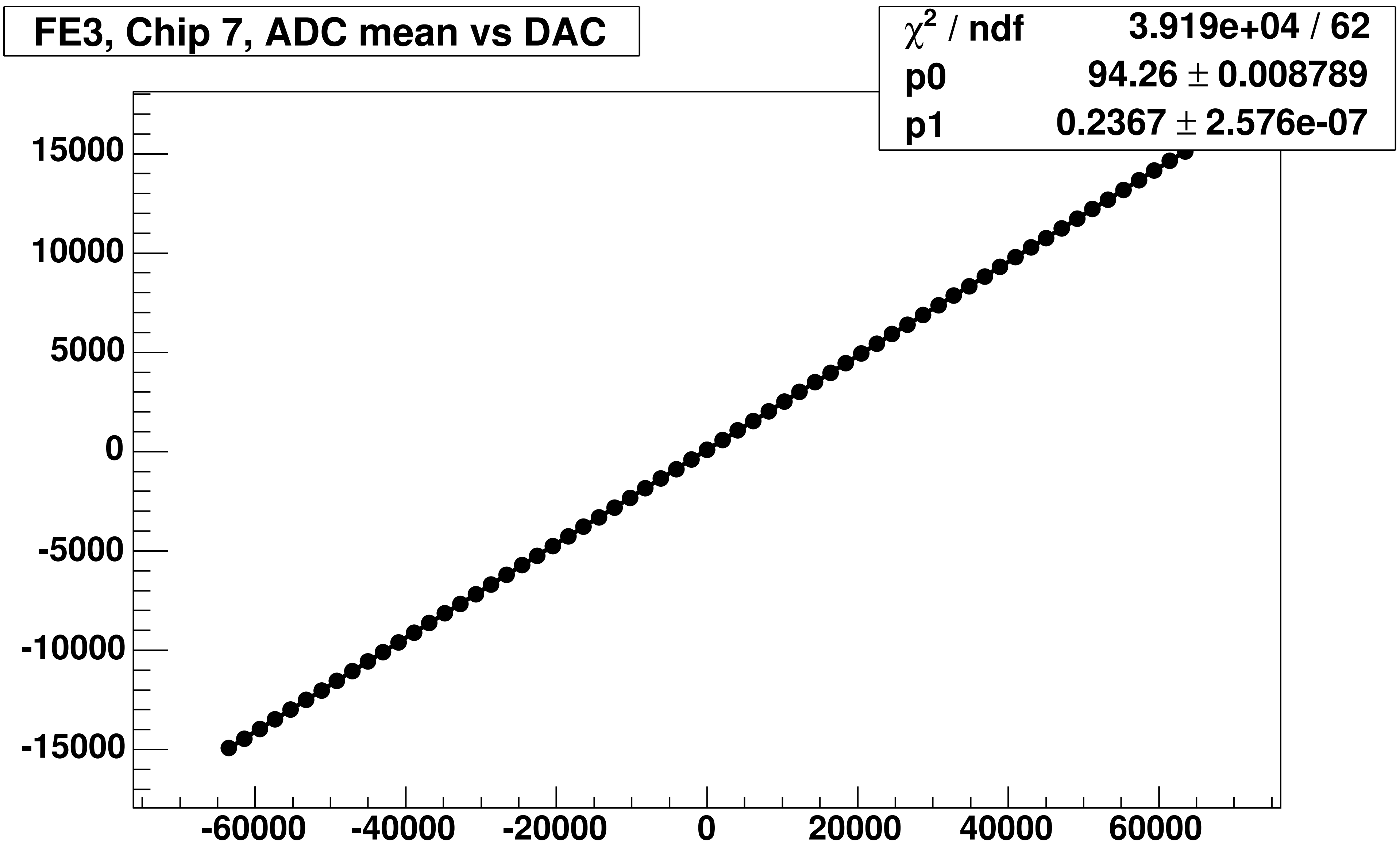

FE3, Chip 5, ADC residuals vs DAC
6
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000



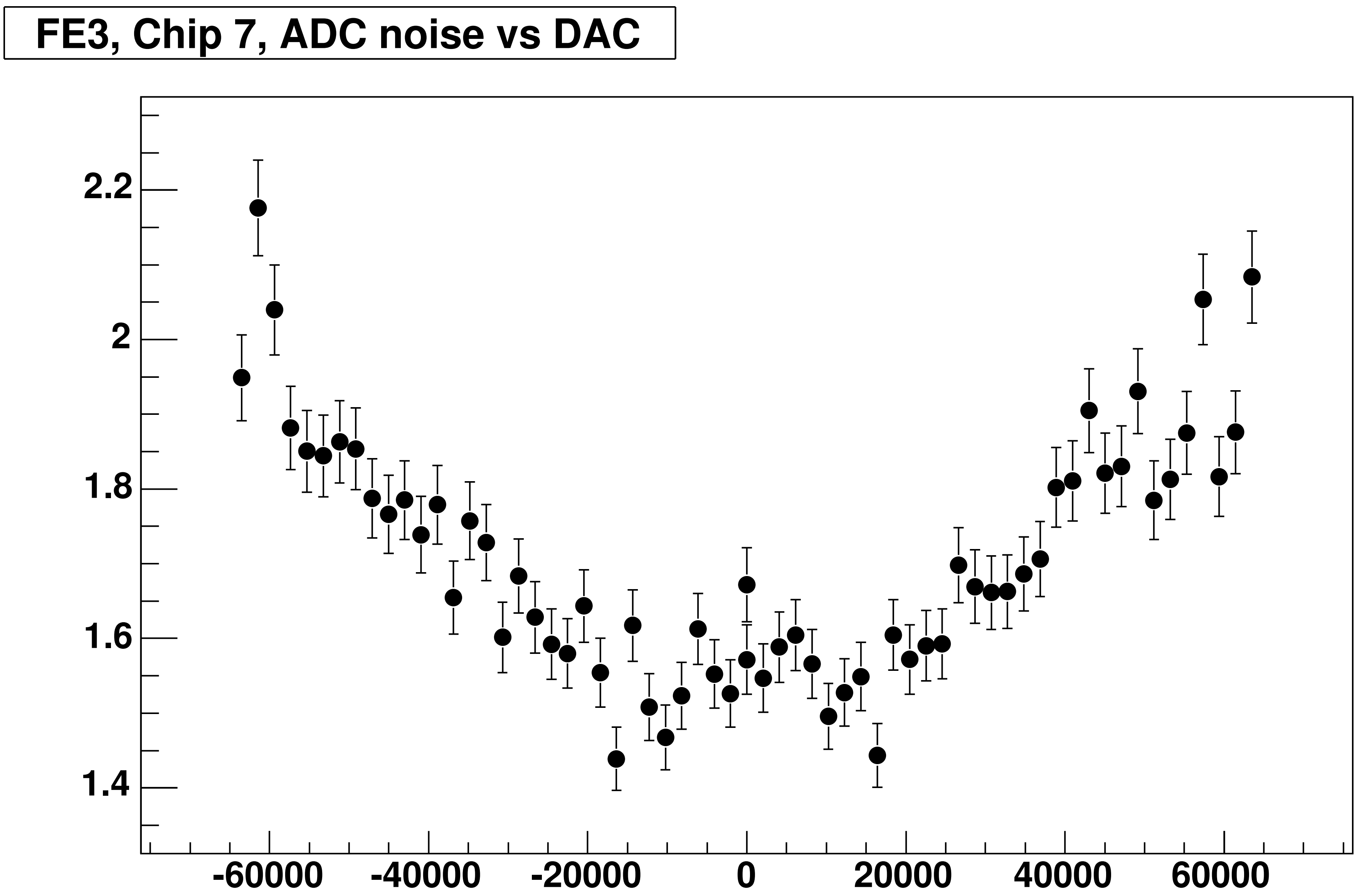
FE3, Chip 6, ADC mean vs DAC
χ^2 / ndf 7.351e+04 / 62
p0 178.6 $\pm$ 0.008861
p1 0.2385 $\pm$ 2.573e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

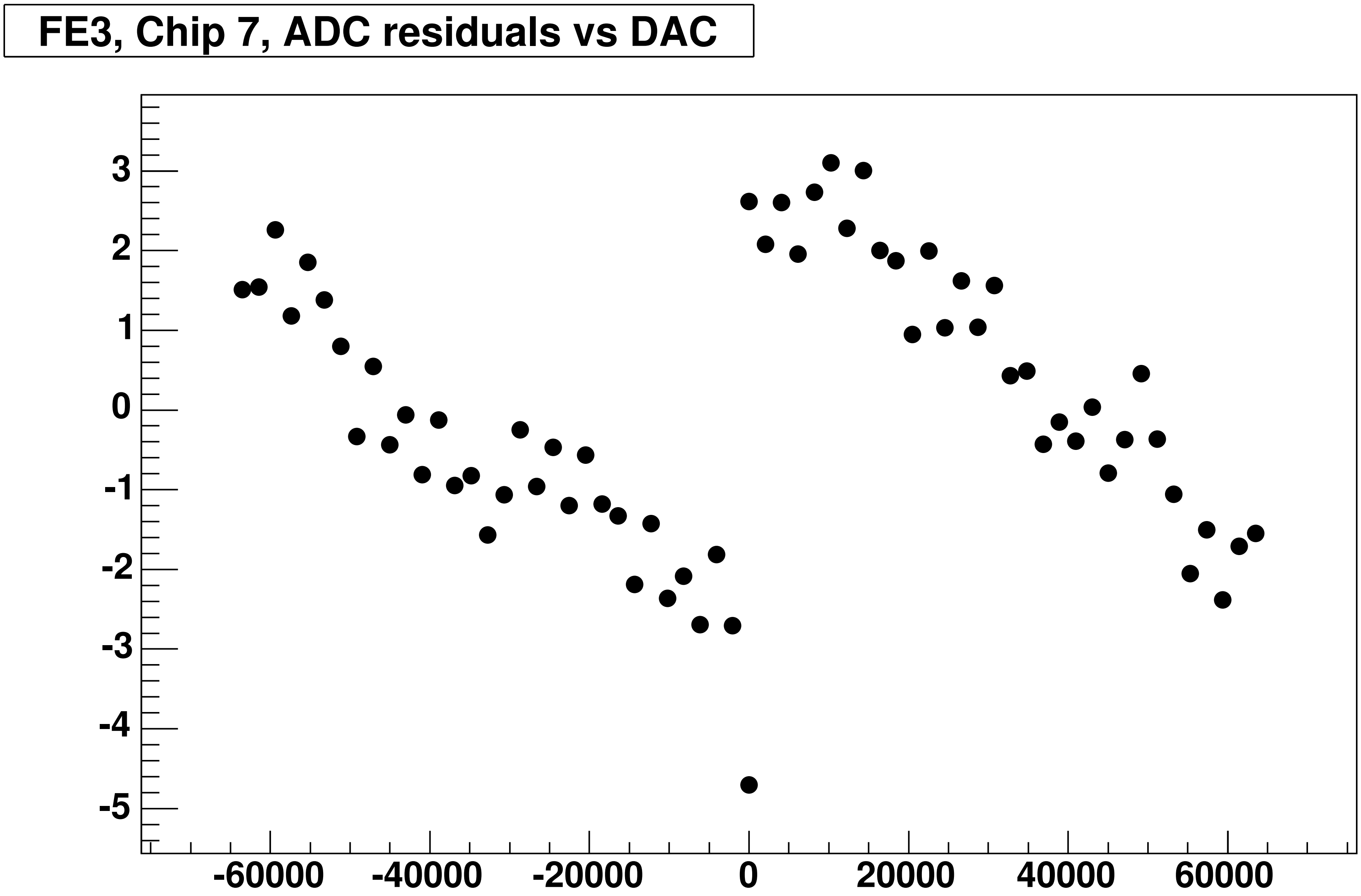

FE3, Chip 6, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

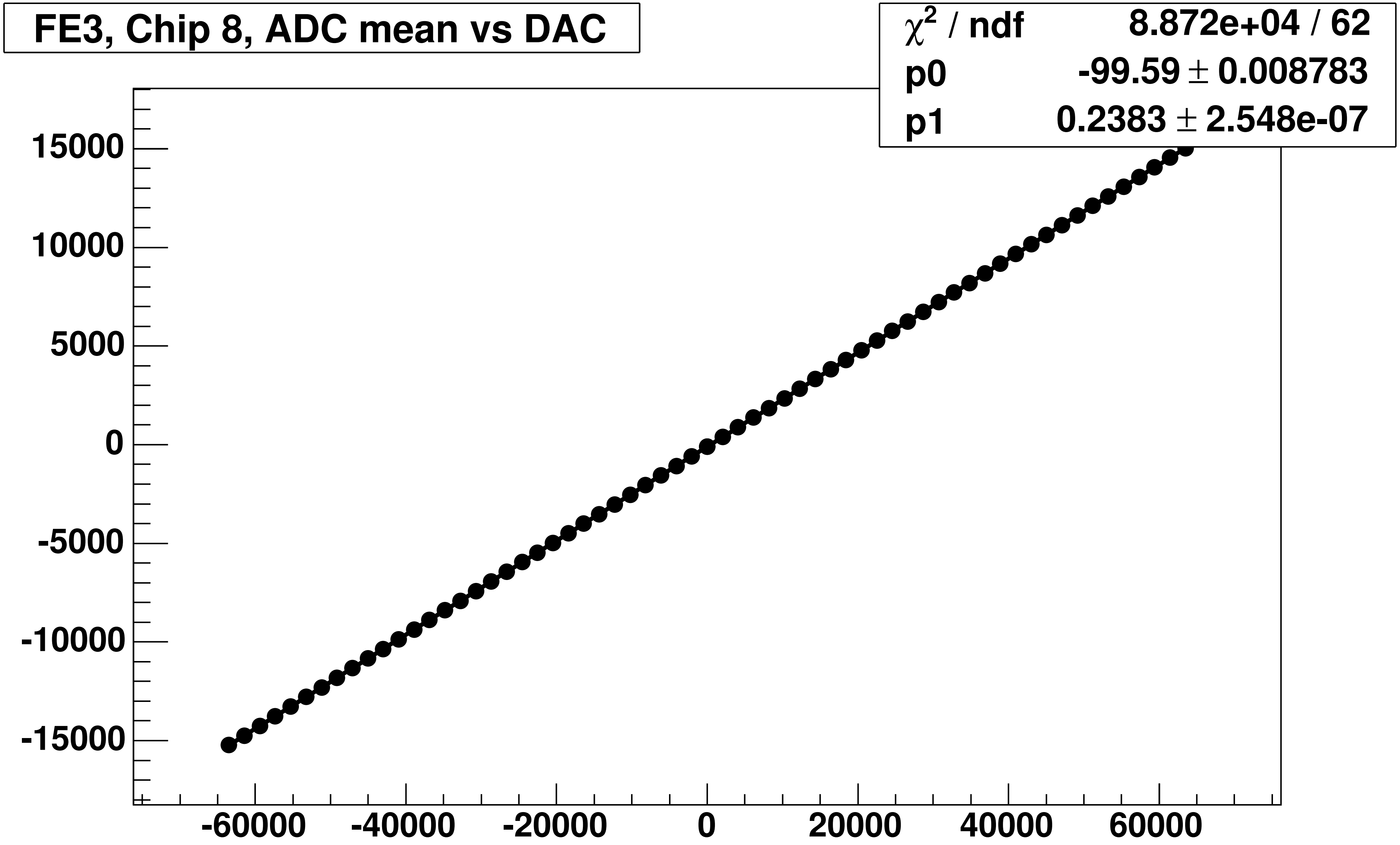

FE3, Chip 6, ADC residuals vs DAC
5
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

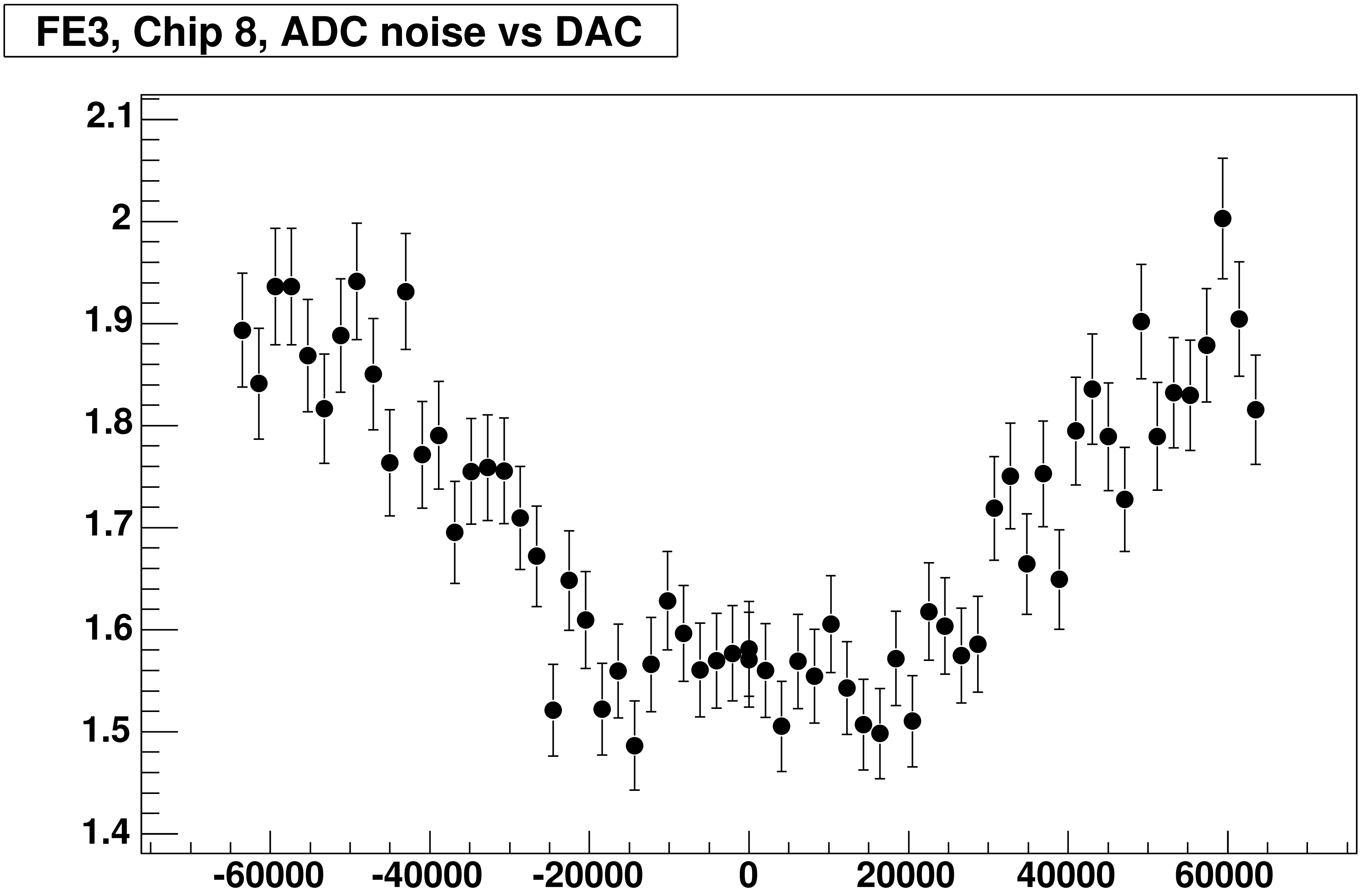


FE3, Chip 7, ADC mean vs DAC
χ^2 / ndf 3.919e+04 / 62
p0 94.26 ± 0.008789
p1 0.2367 ± 2.576e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

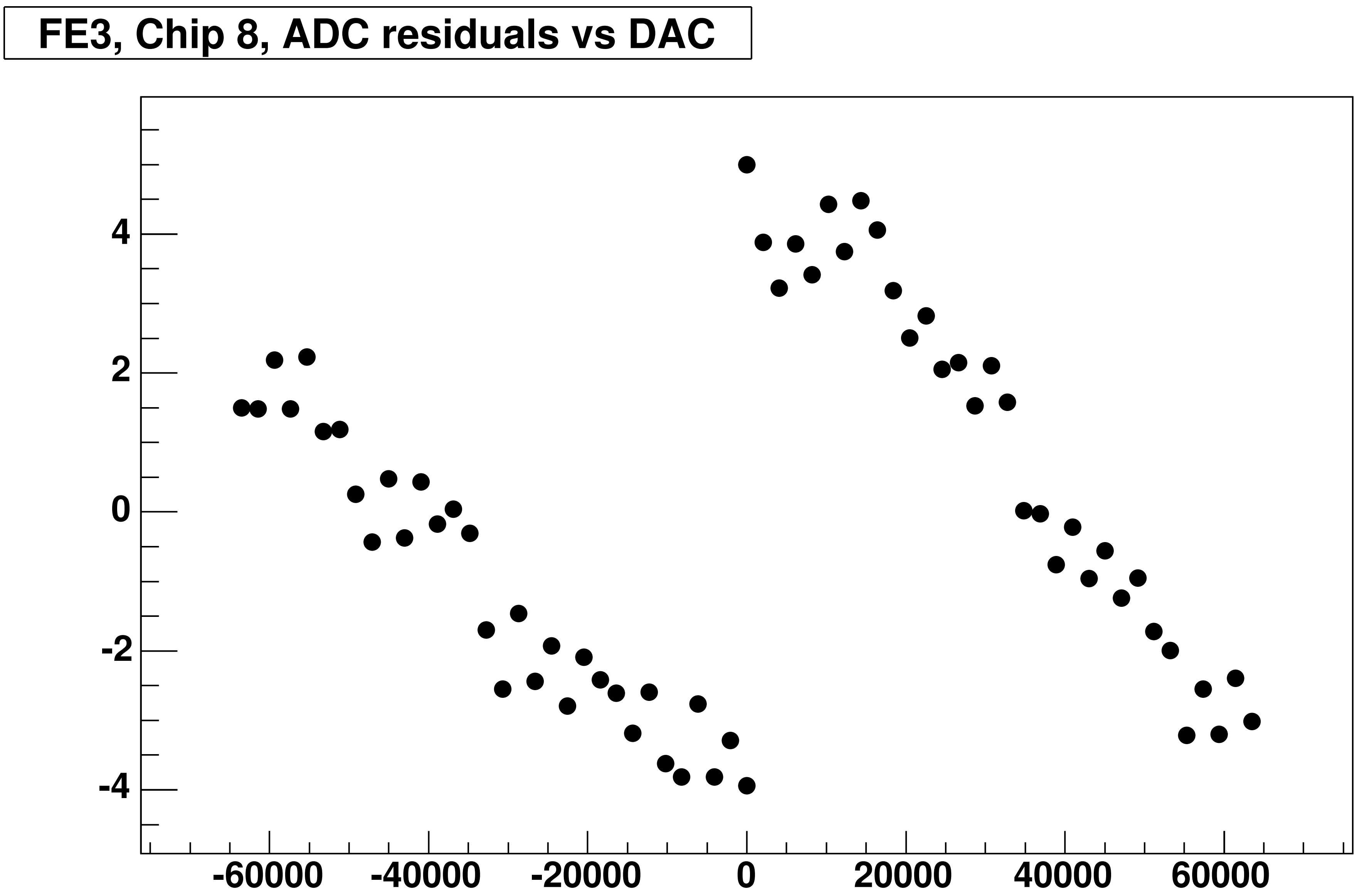

FE3, Chip 7, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

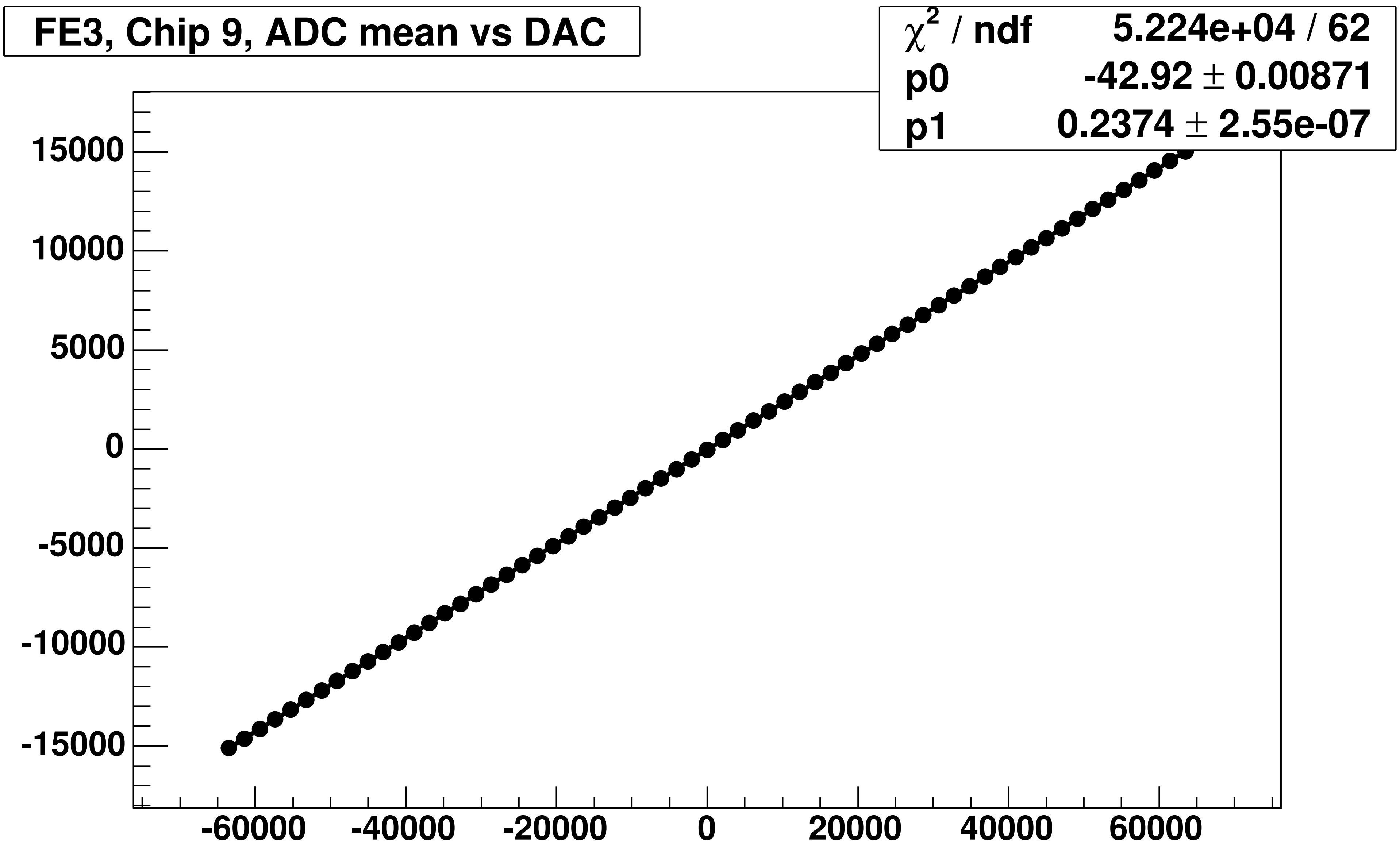

FE3, Chip 7, ADC residuals vs DAC
3
2
1
0
-1
-2
-3
-4
-5
-60000
-40000
-20000
0
20000
40000
60000

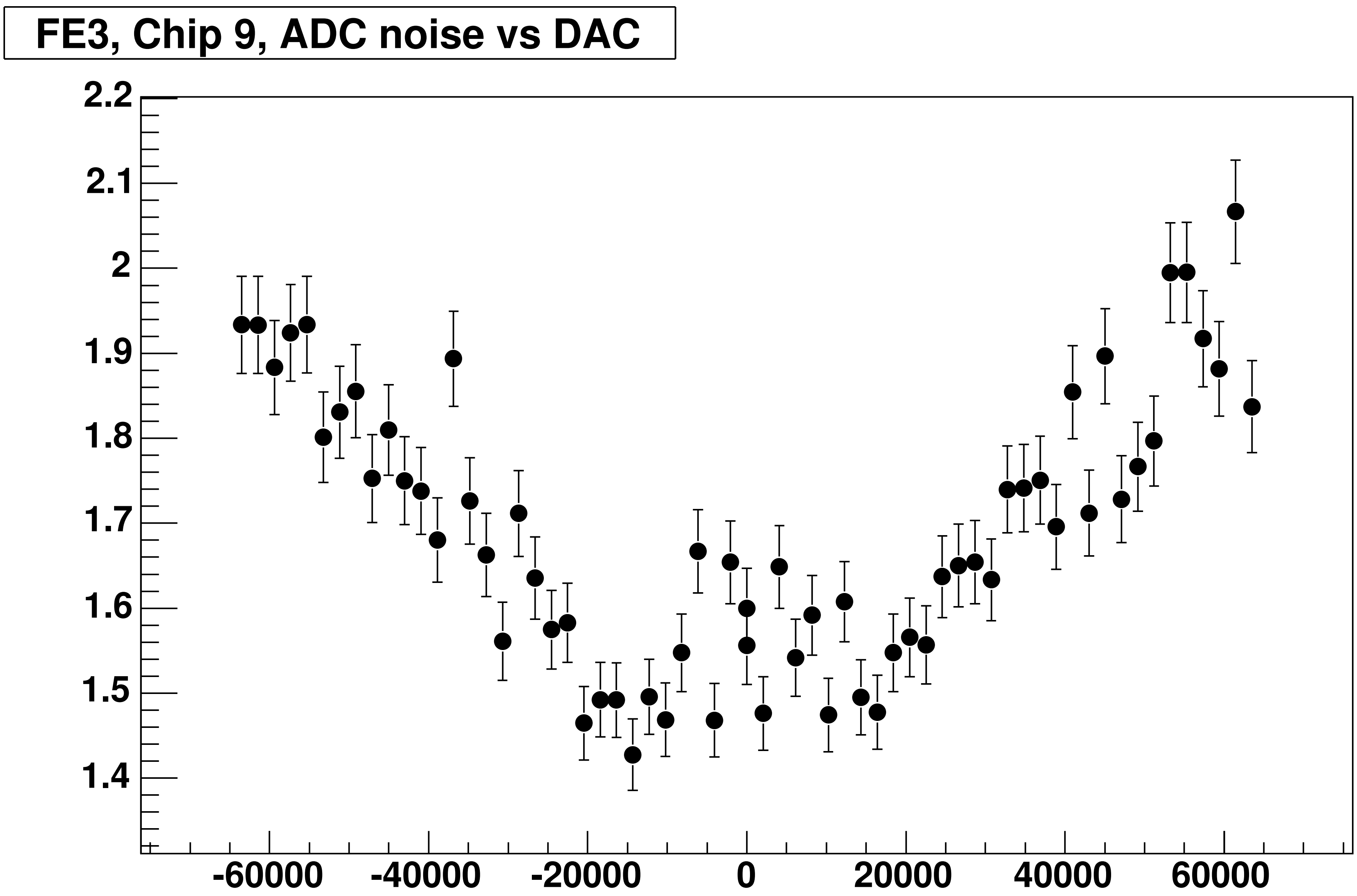

FE3, Chip 8, ADC mean vs DAC
χ^2 / ndf 8.872e+04 / 62
p0 -99.59 ± 0.008783
p1 0.2383 ± 2.548e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

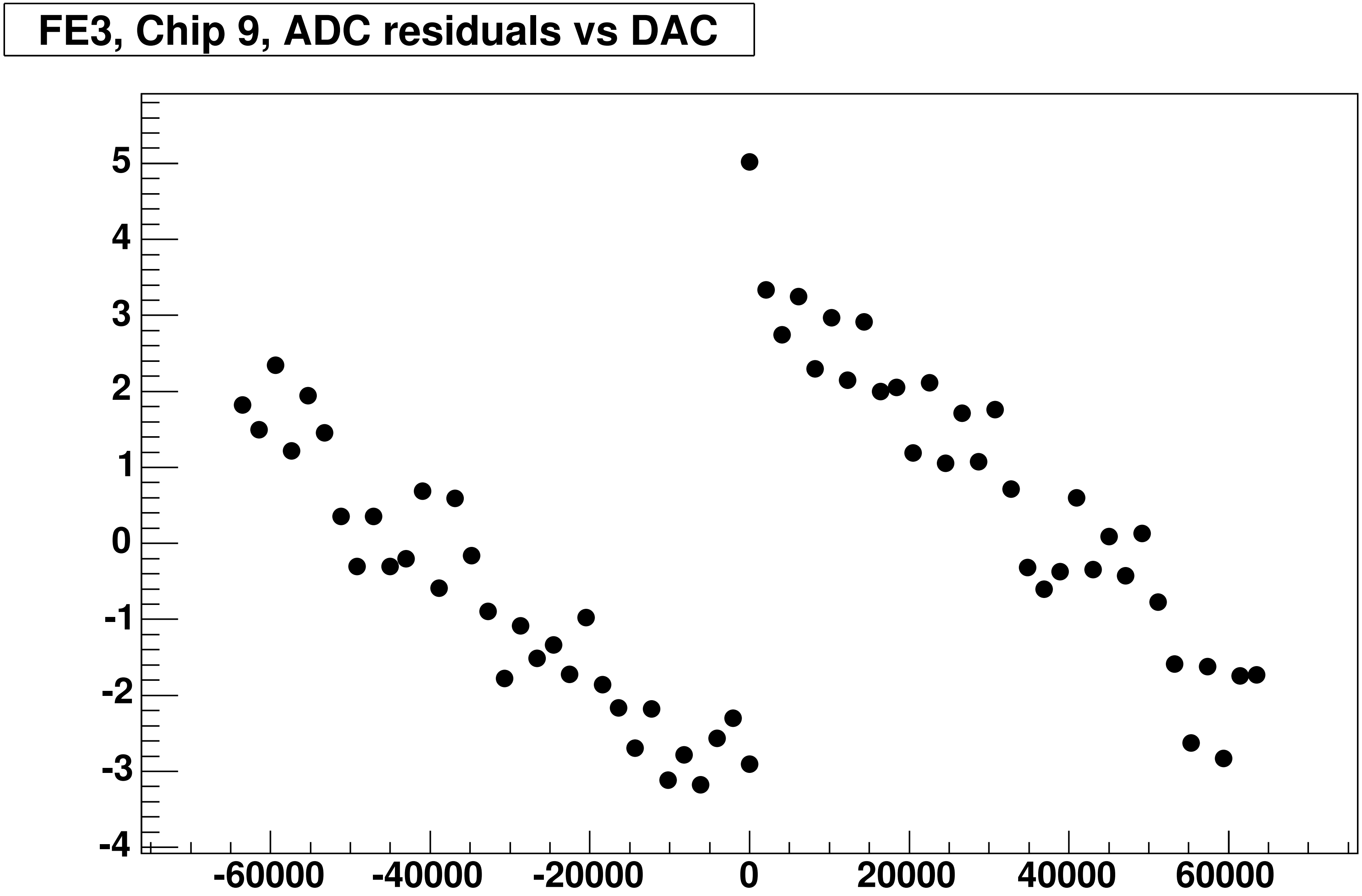


FE3, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

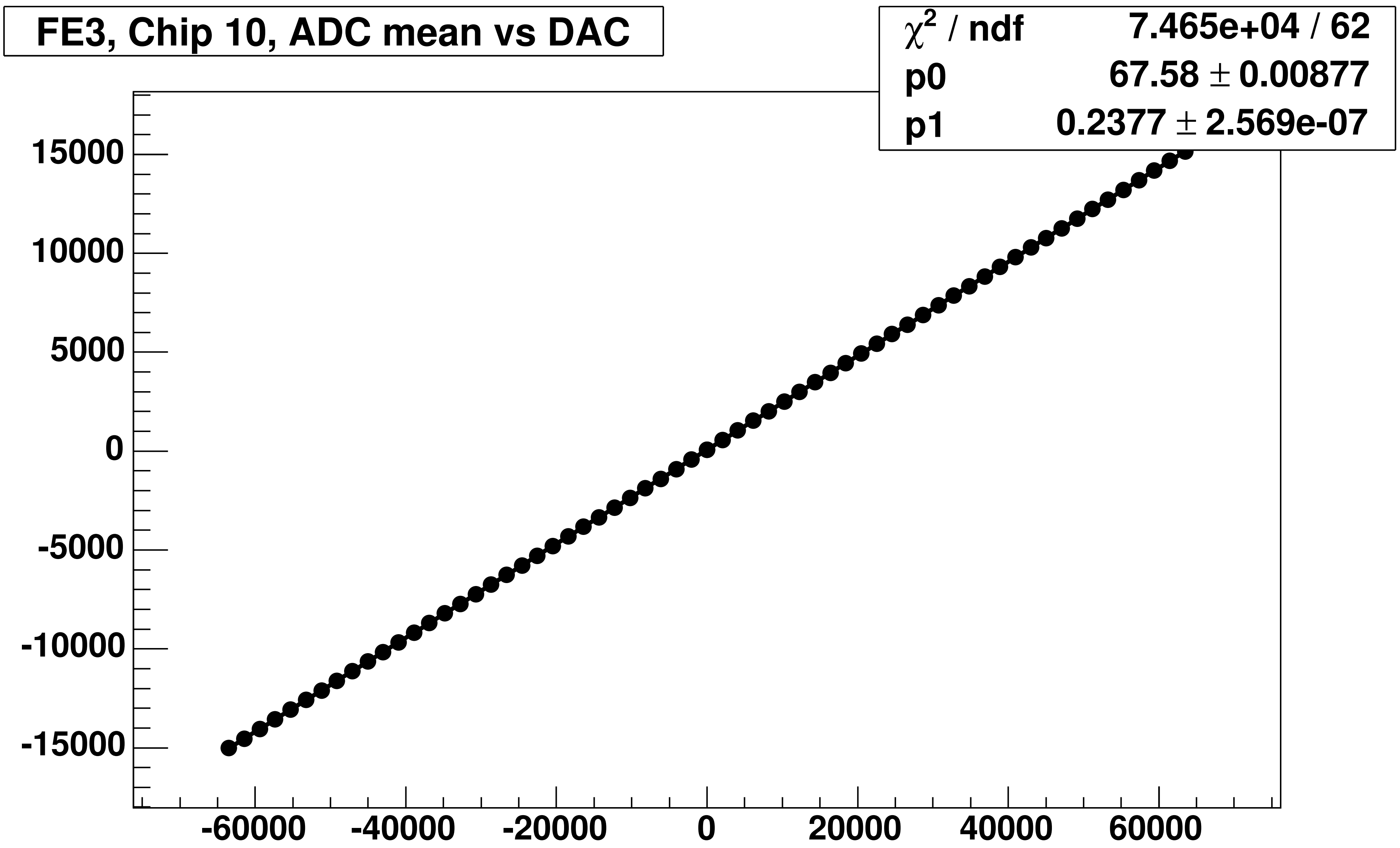

FE3, Chip 8, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

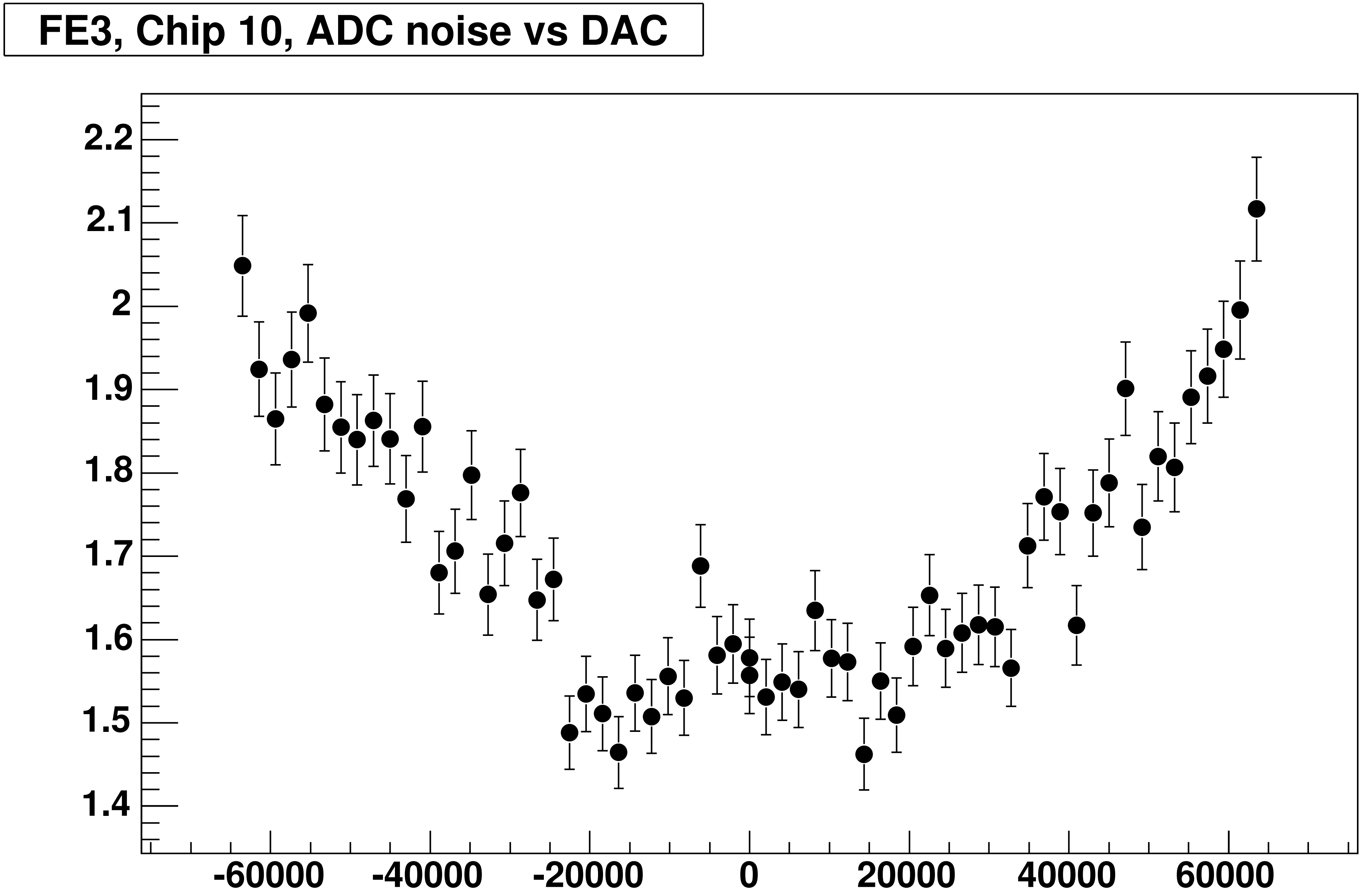

FE3, Chip 9, ADC mean vs DAC
χ2 / ndf 5.224e+04 / 62
p0 -42.92 ± 0.00871
p1 0.2374 ± 2.55e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

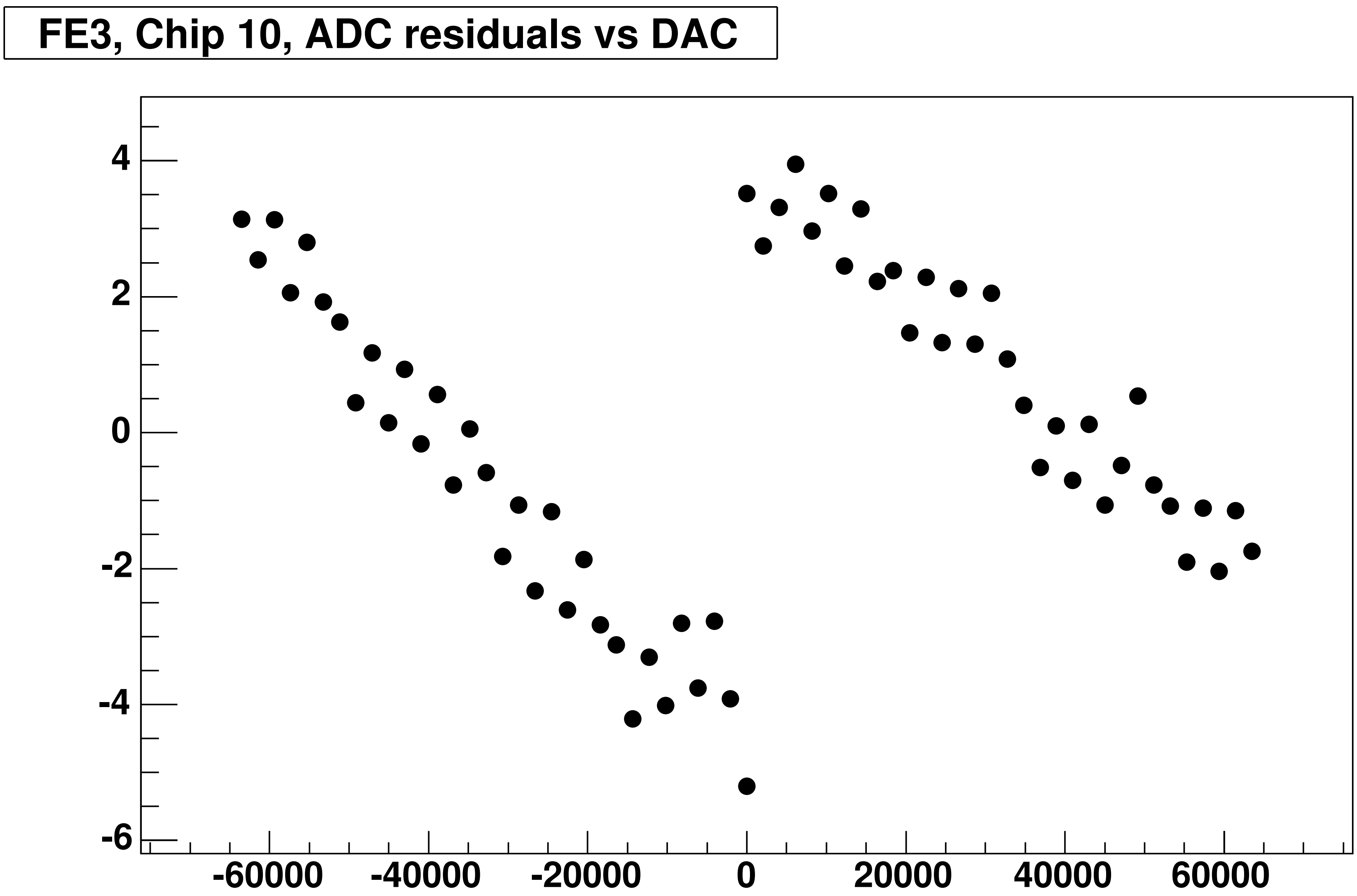

FE3, Chip 9, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

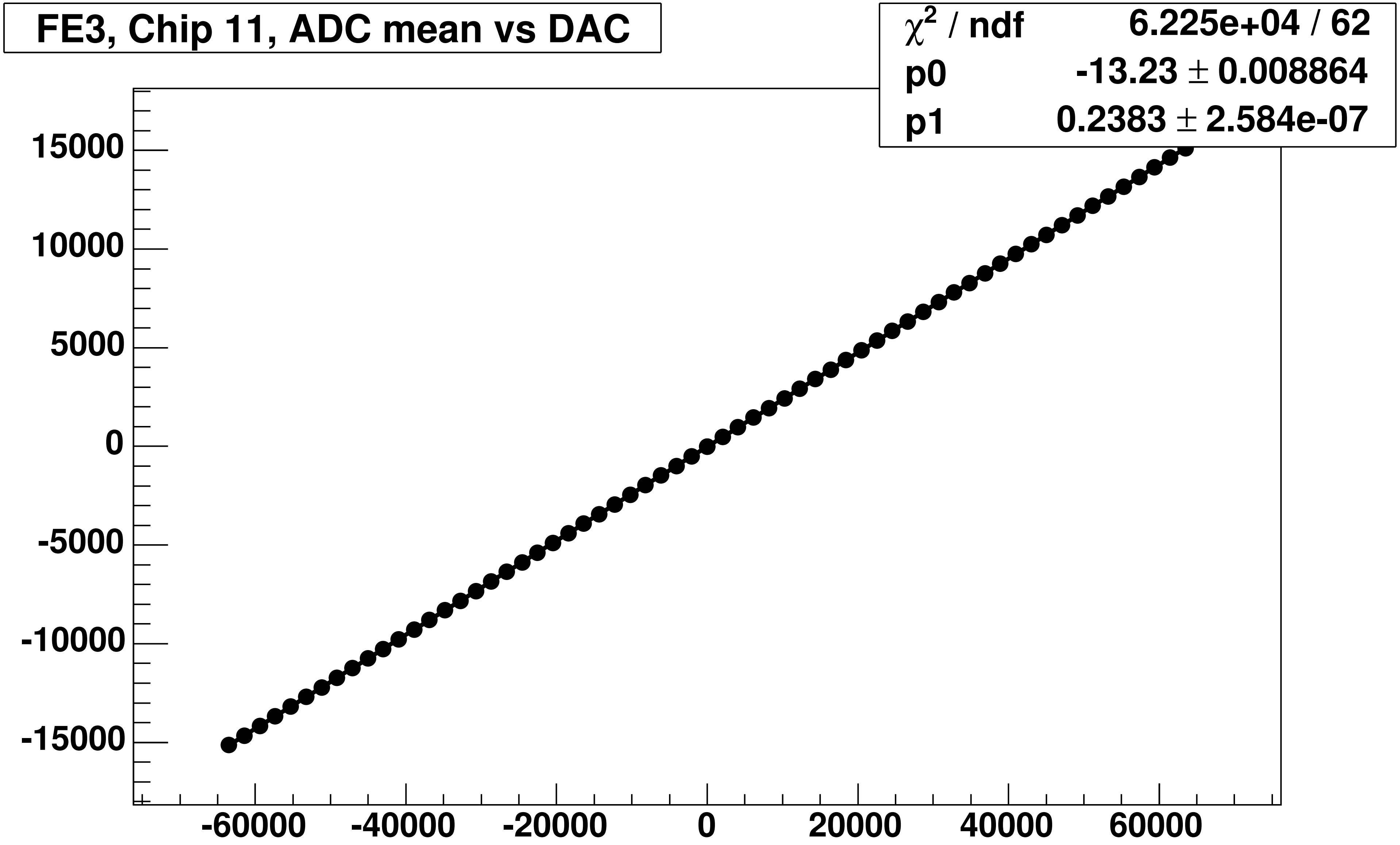


FE3, Chip 9, ADC residuals vs DAC
5
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

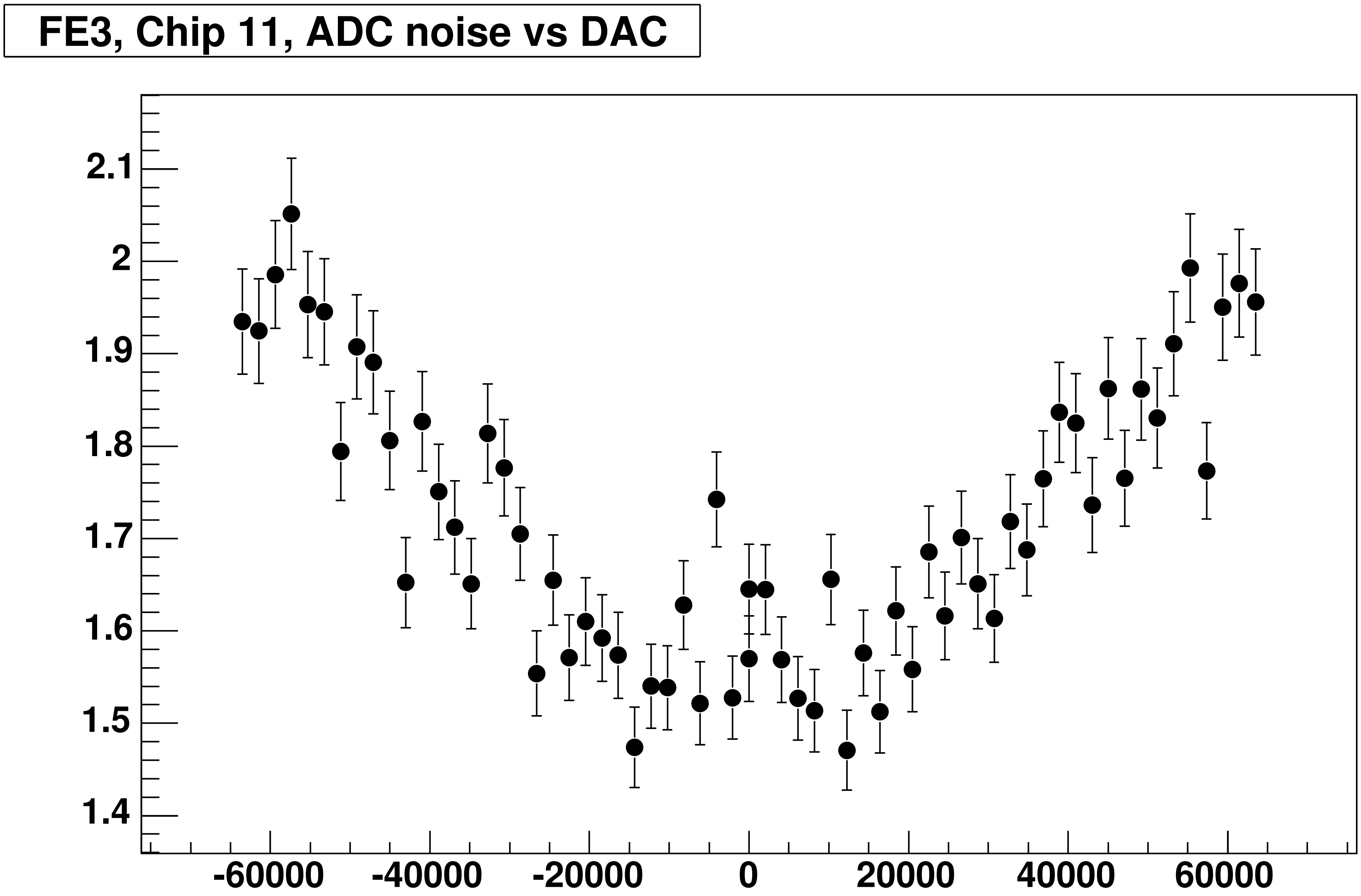

FE3, Chip 10, ADC mean vs DAC
χ^2 / ndf 7.465e+04 / 62
p0 67.58 ± 0.00877
p1 0.2377 ± 2.569e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 10, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

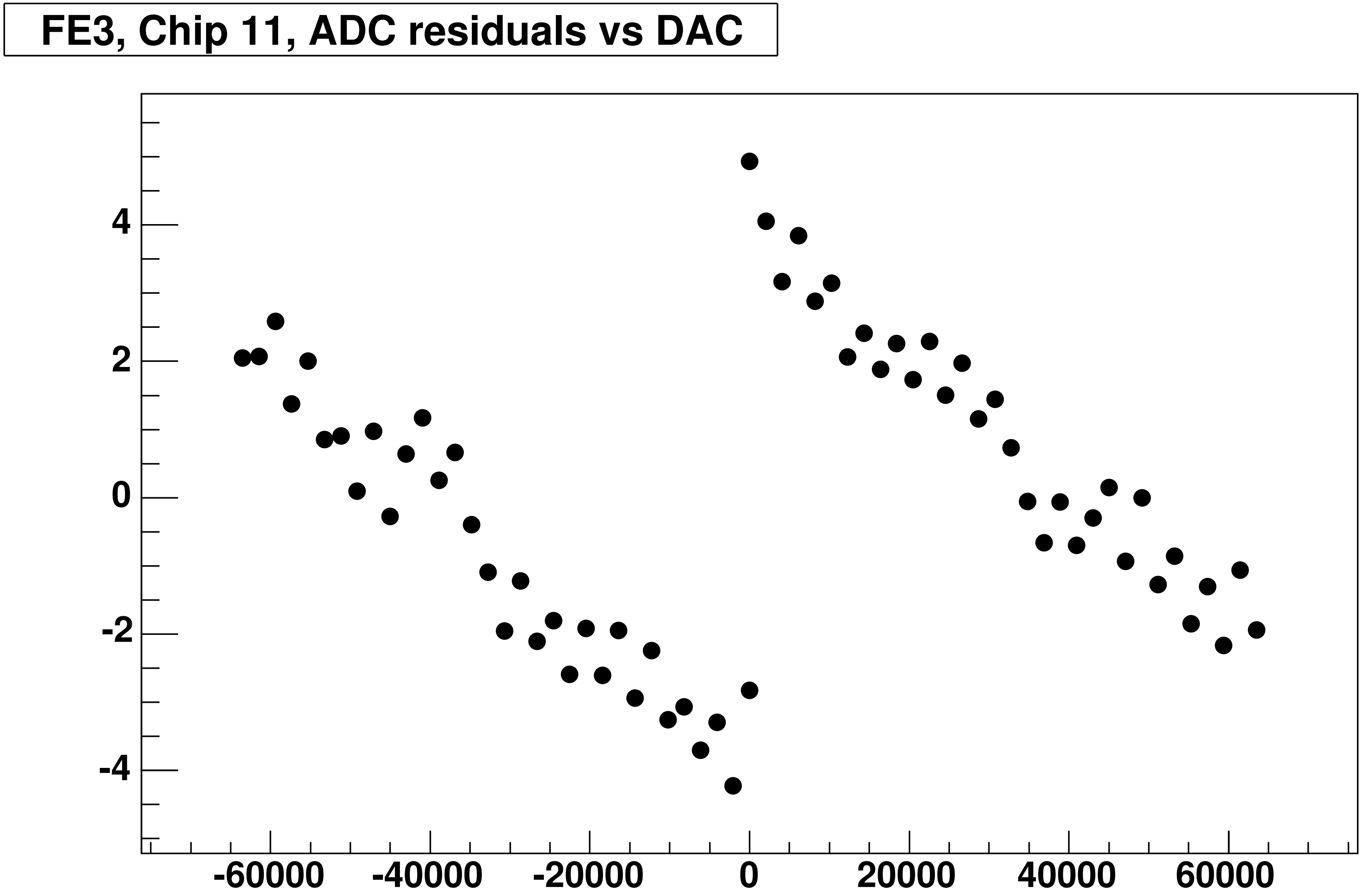

FE3, Chip 10, ADC residuals vs DAC
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

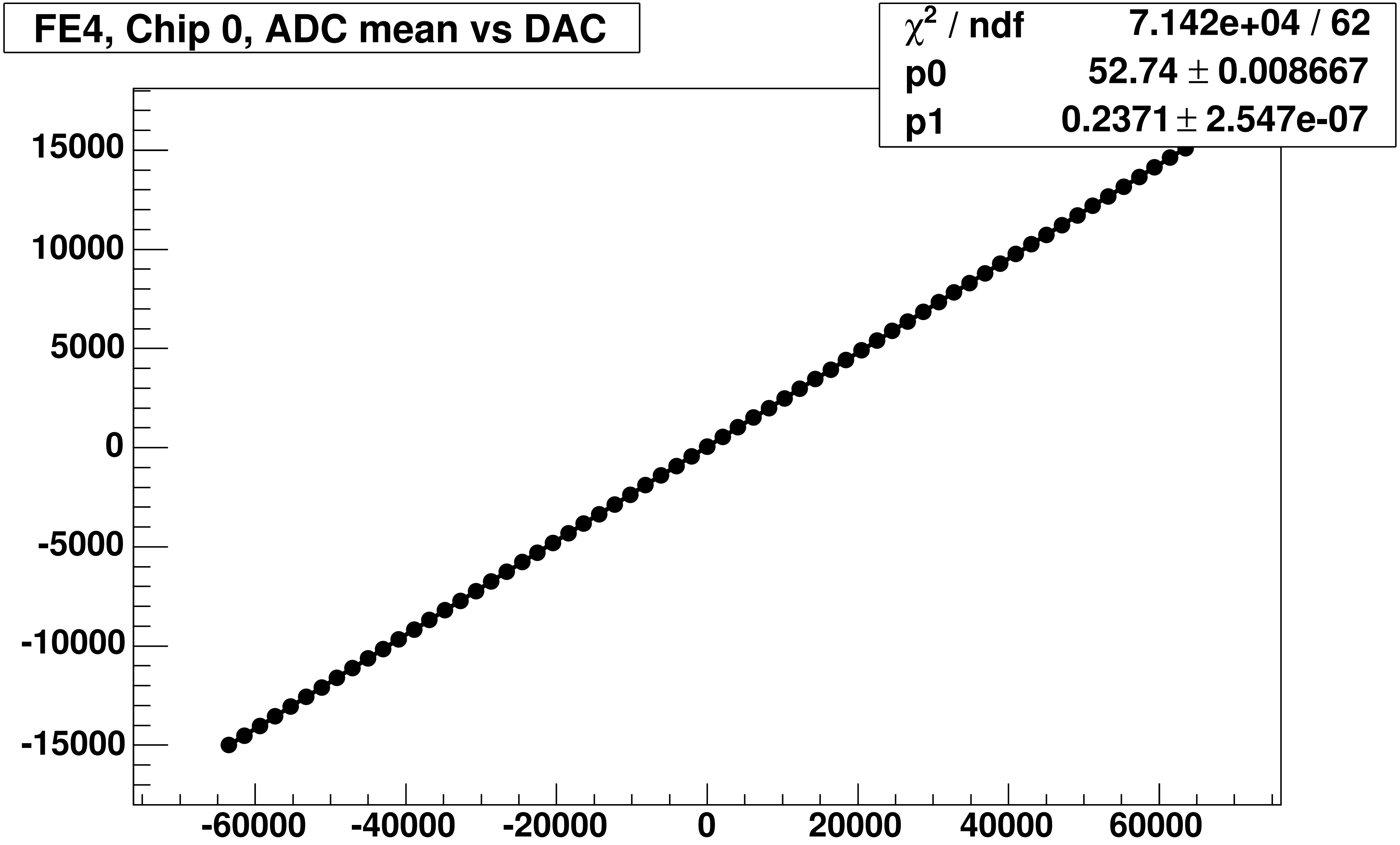


FE3, Chip 11, ADC mean vs DAC
χ² / ndf 6.225e+04 / 62
p0 -13.23 ± 0.008864
p1 0.2383 ± 2.584e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

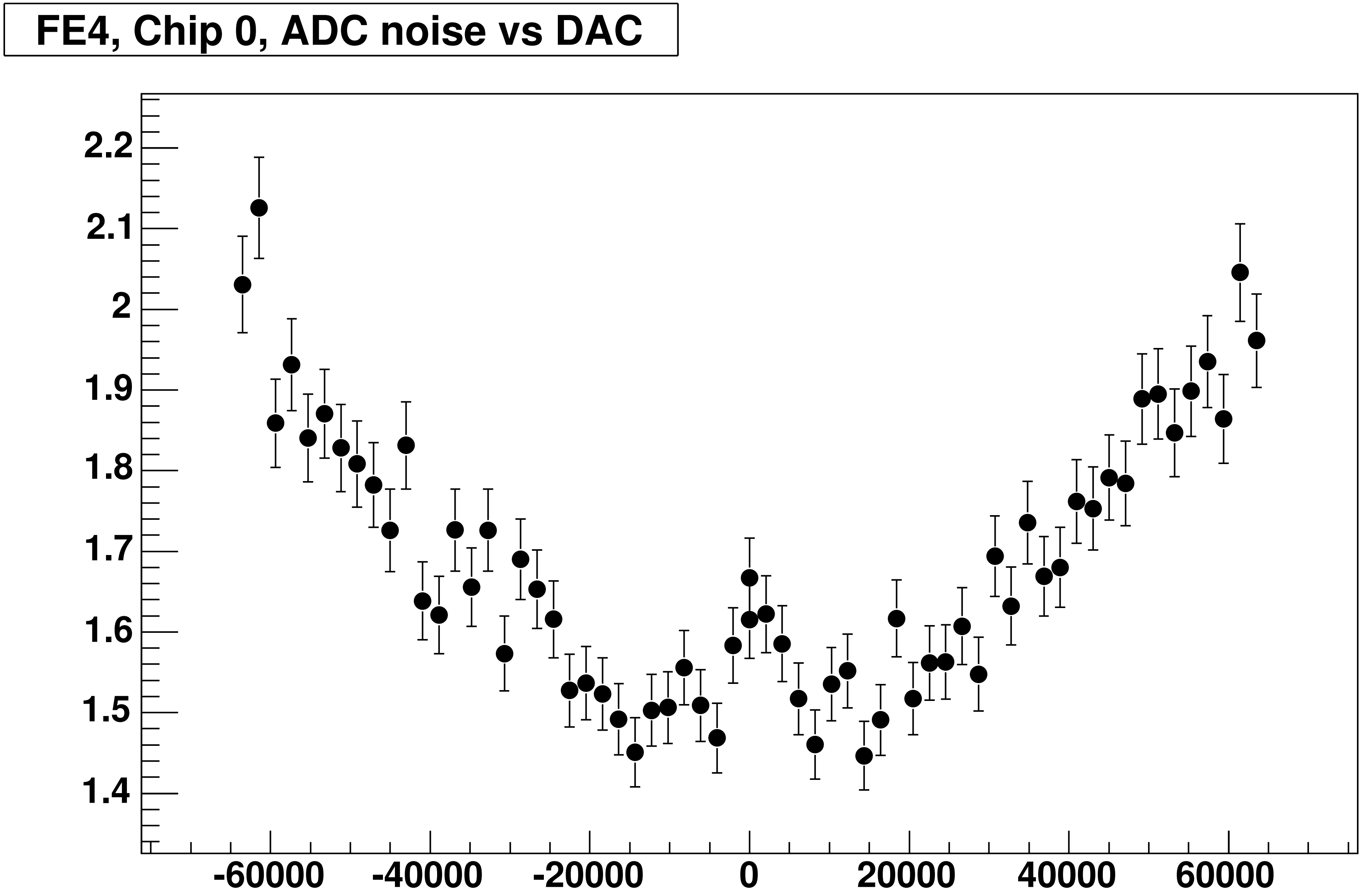


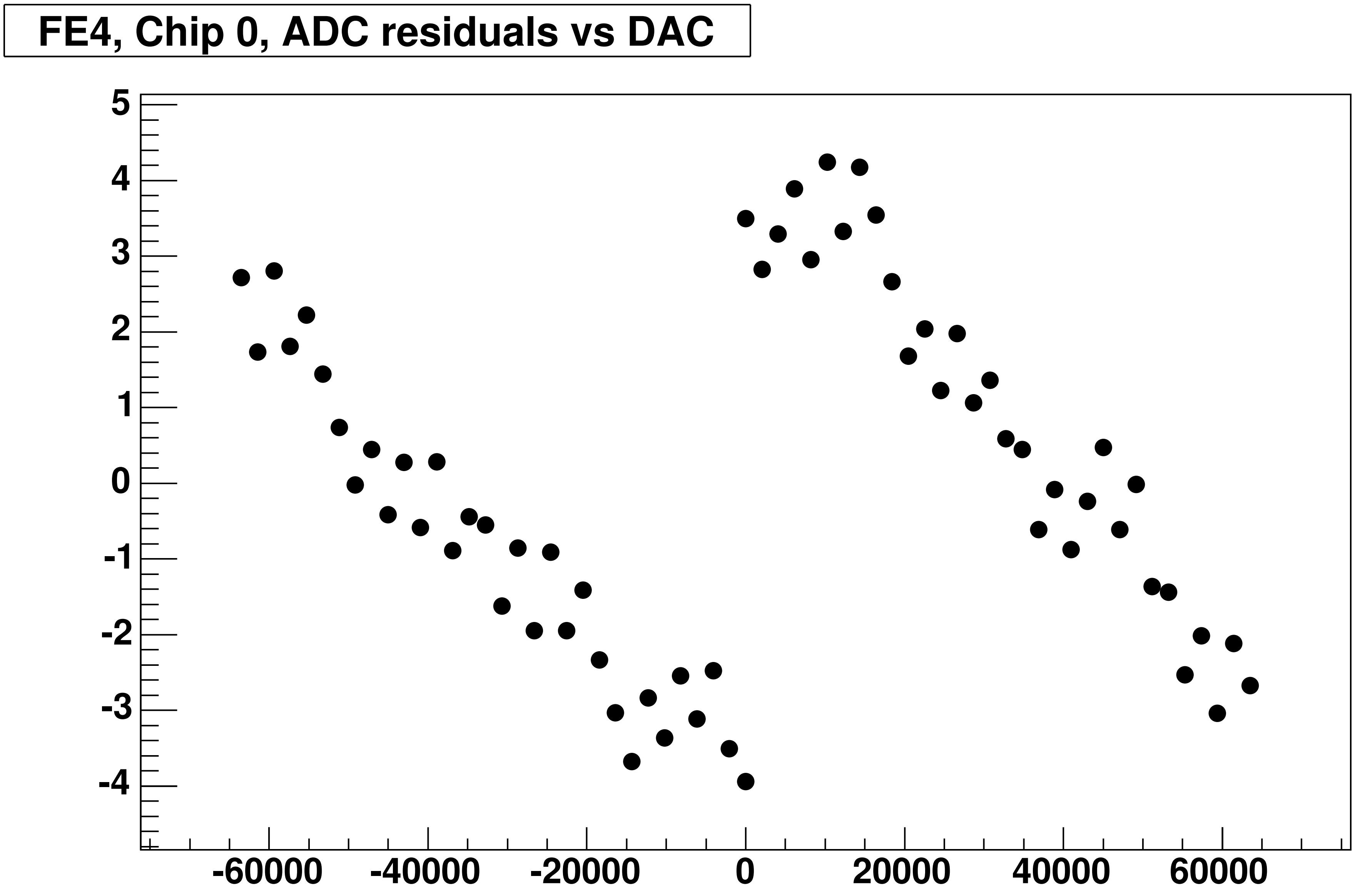
FE3, Chip 11, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

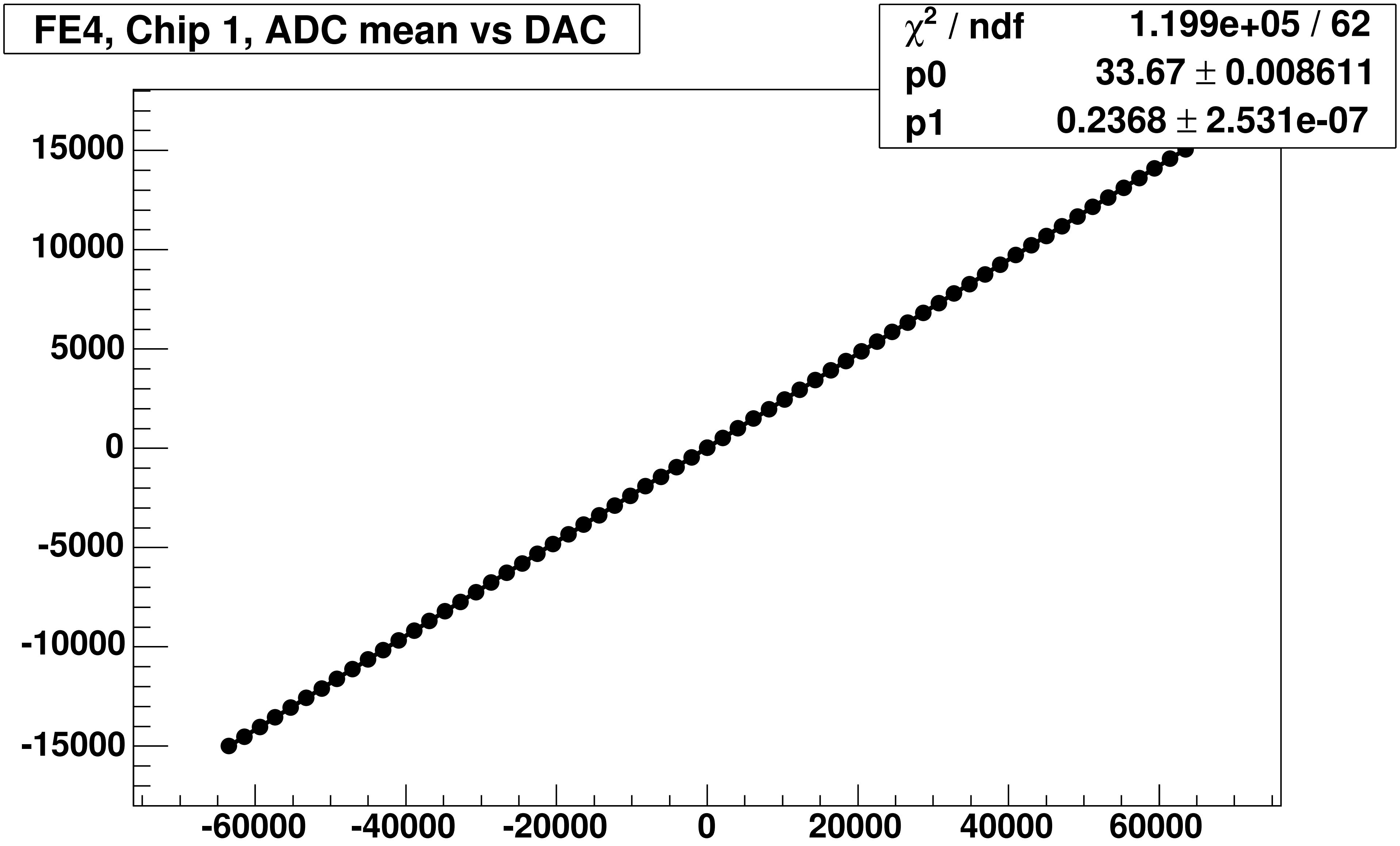

FE3, Chip 11, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000



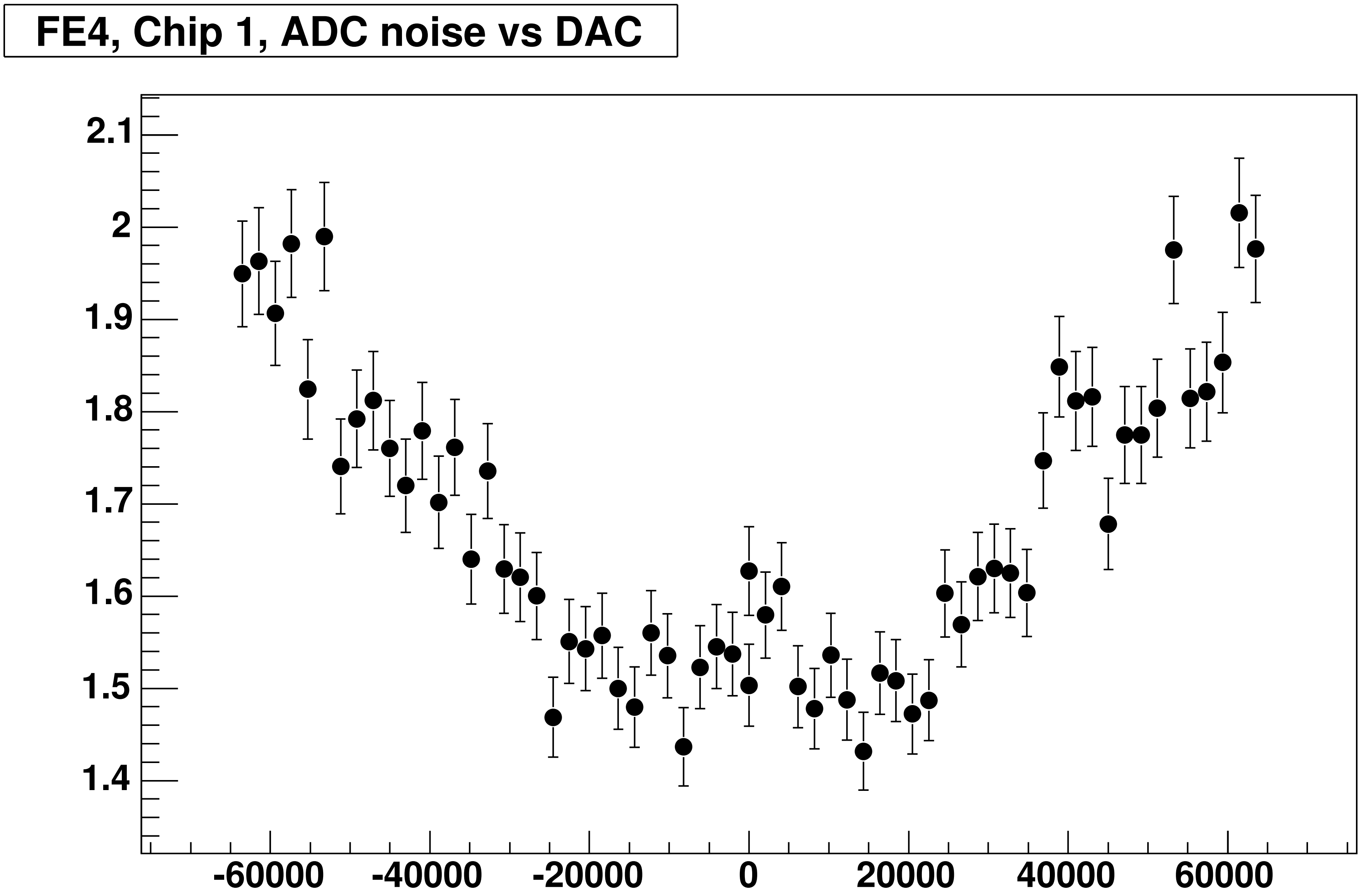
FE4, Chip 0, ADC mean vs DAC
χ² / ndf 7.142e+04 / 62
p0 52.74 ± 0.008667
p1 0.2371 ± 2.547e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

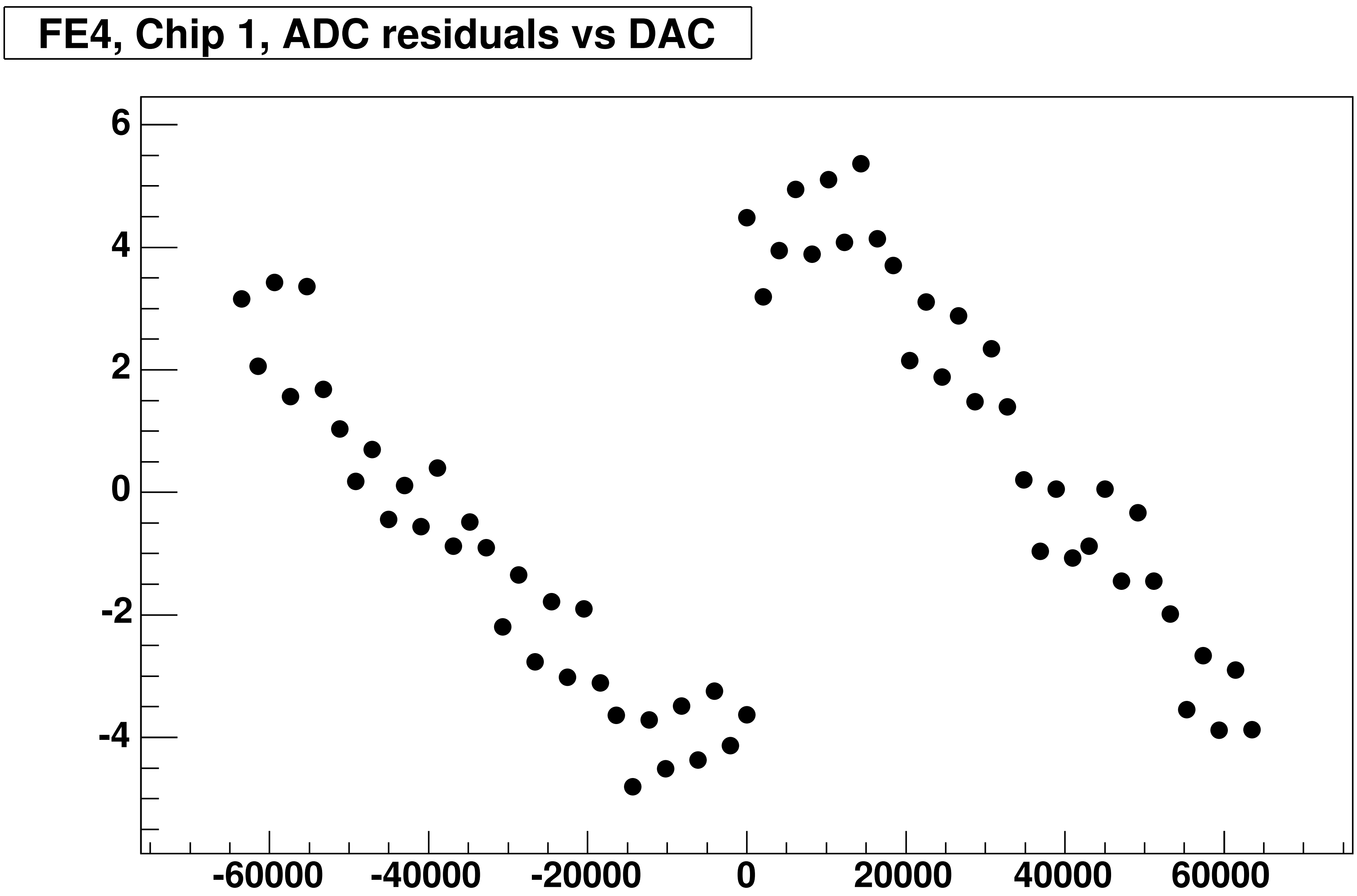

FE4, Chip 0, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

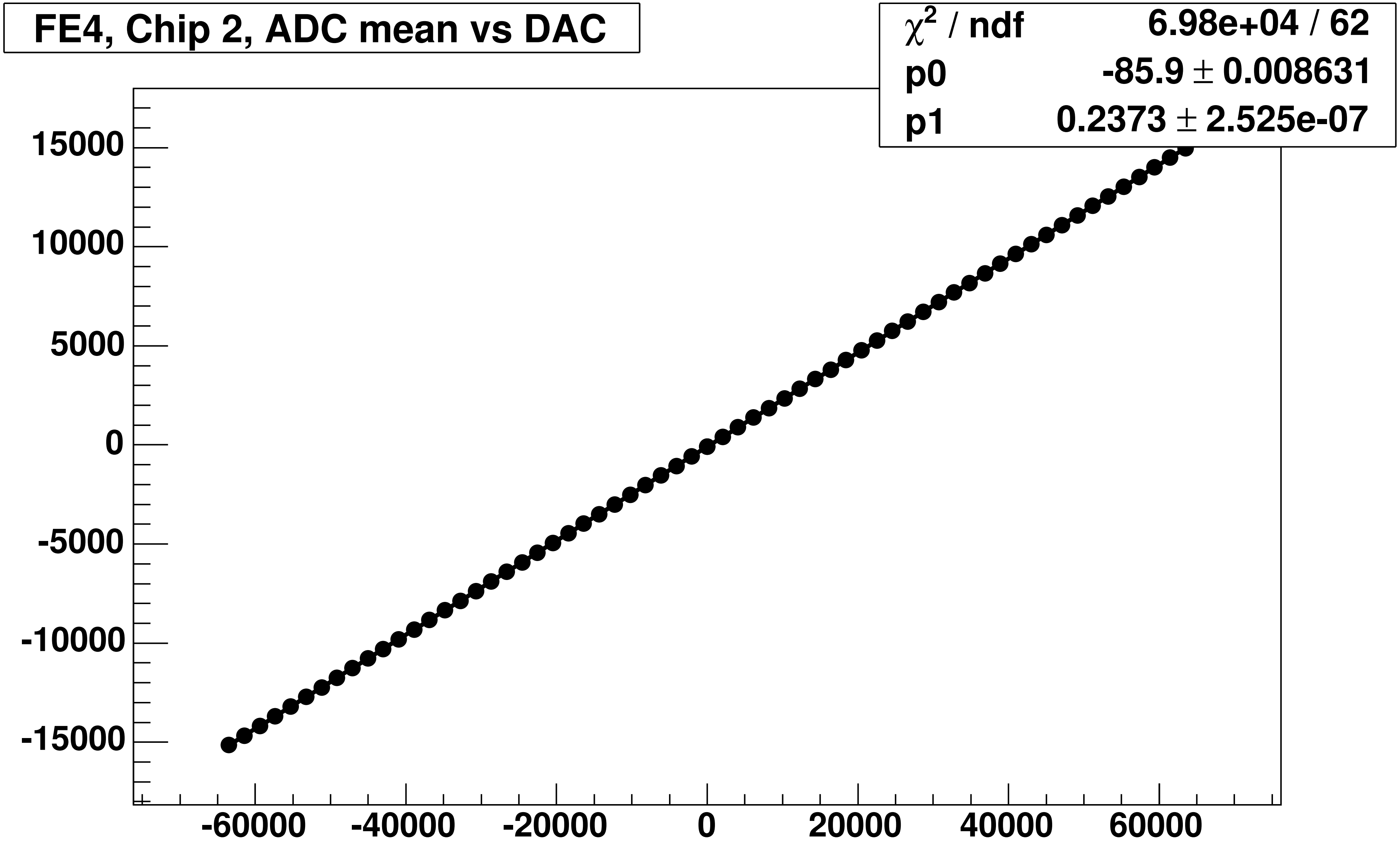

FE4, Chip 0, ADC residuals vs DAC
5
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000



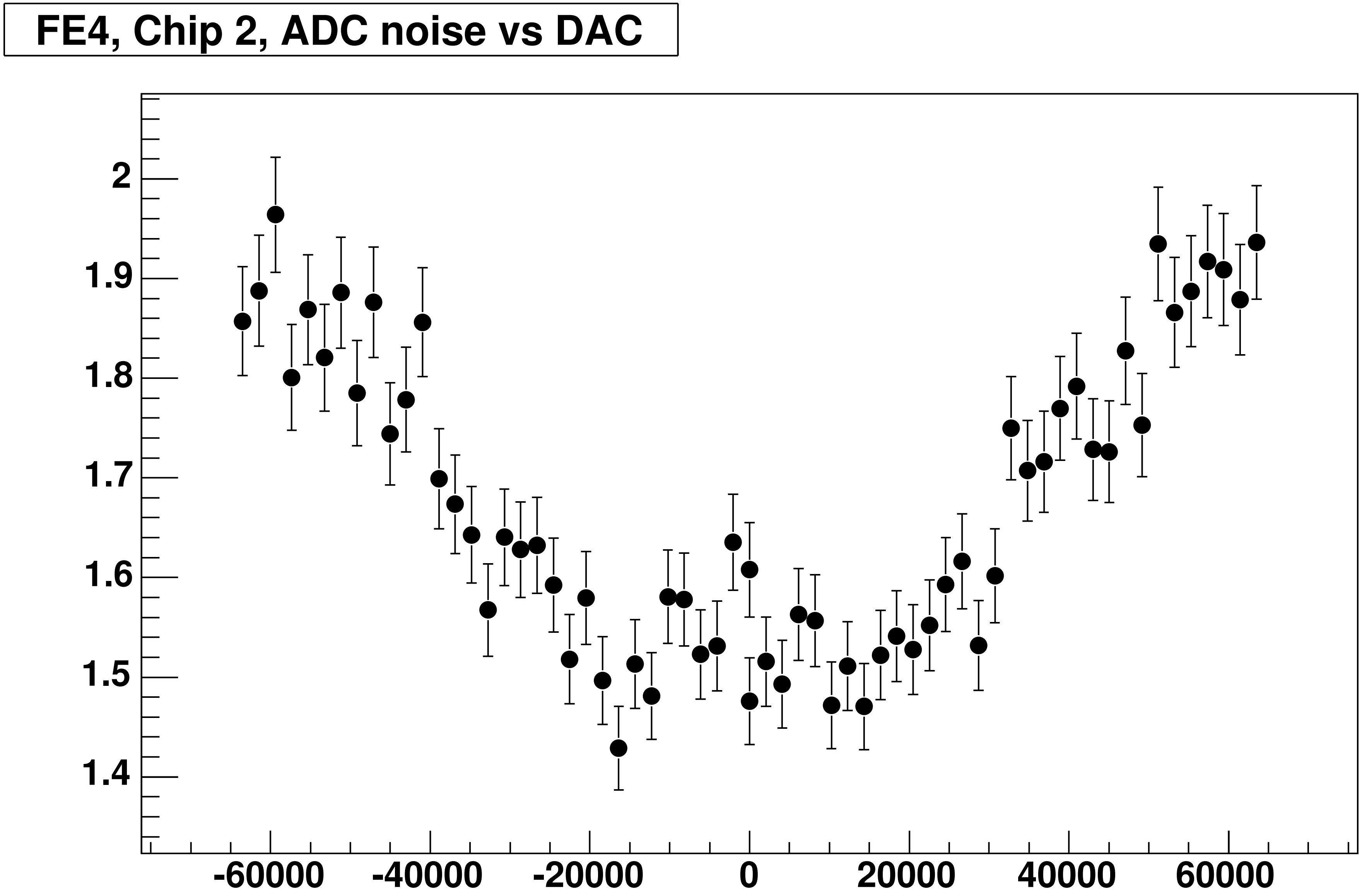
FE4, Chip 1, ADC mean vs DAC
χ^2 / ndf 1.199e+05 / 62
p0 33.67 ± 0.008611
p1 0.2368 ± 2.531e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

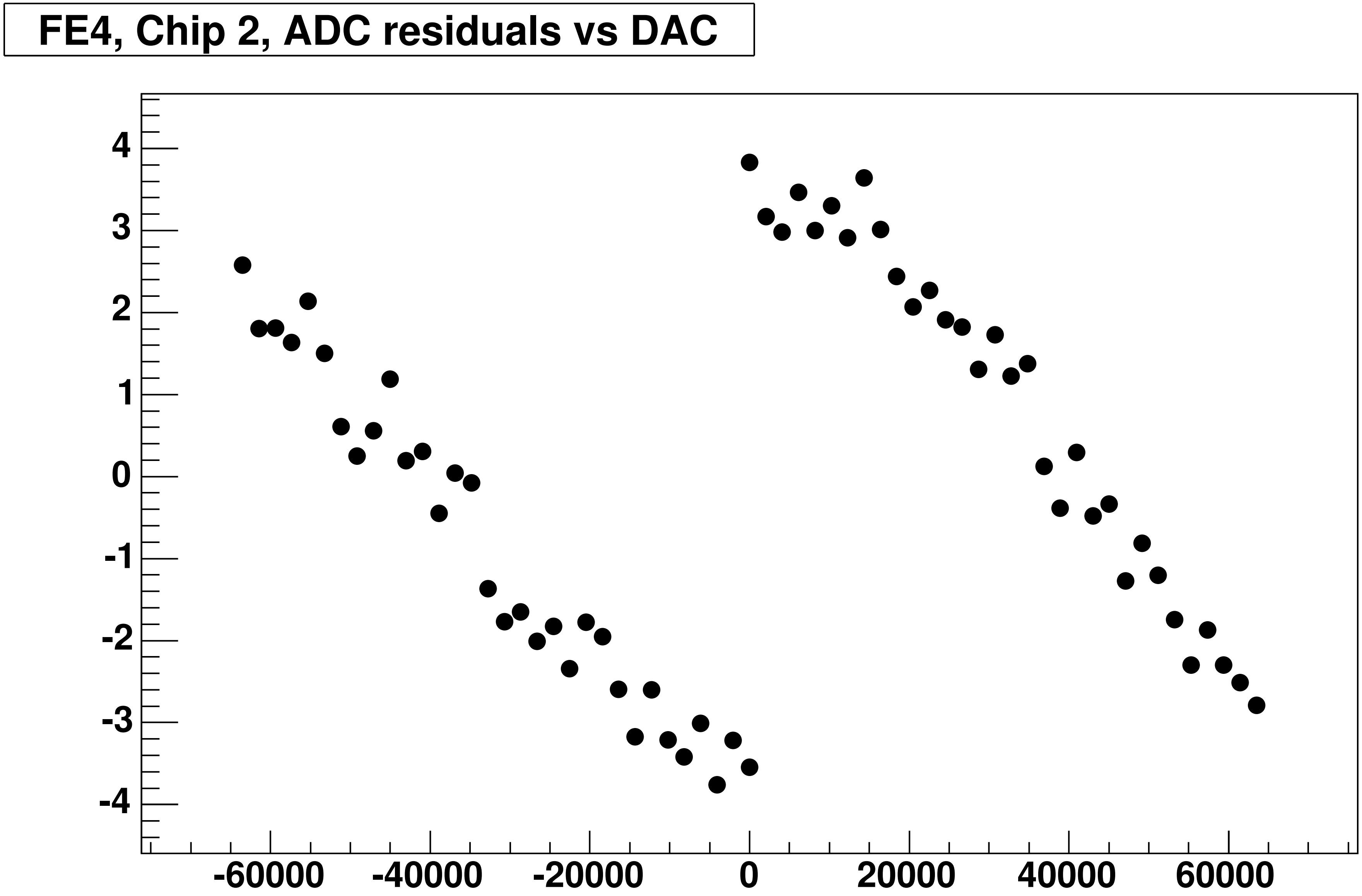

FE4, Chip 1, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 1, ADC residuals vs DAC
6
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

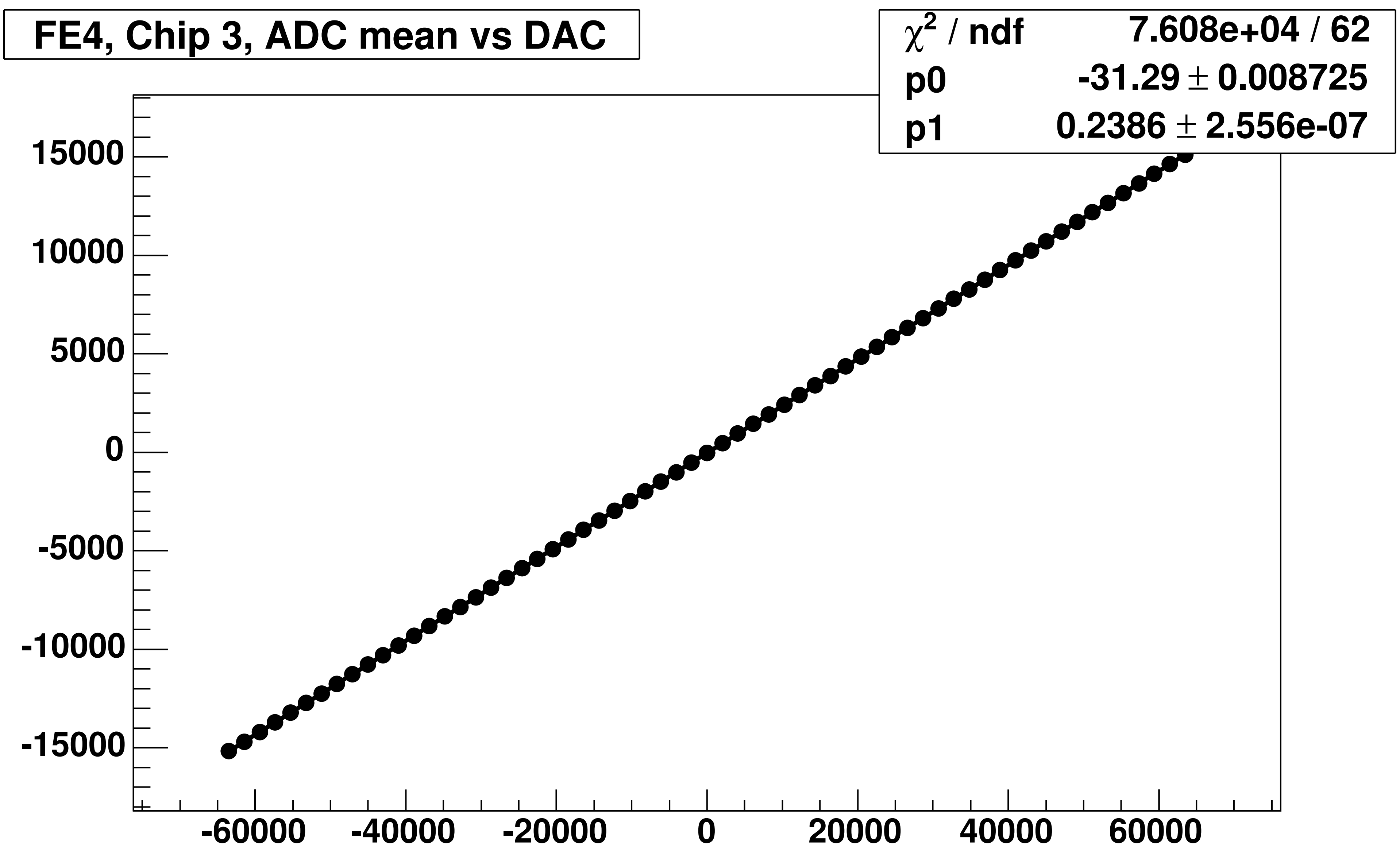


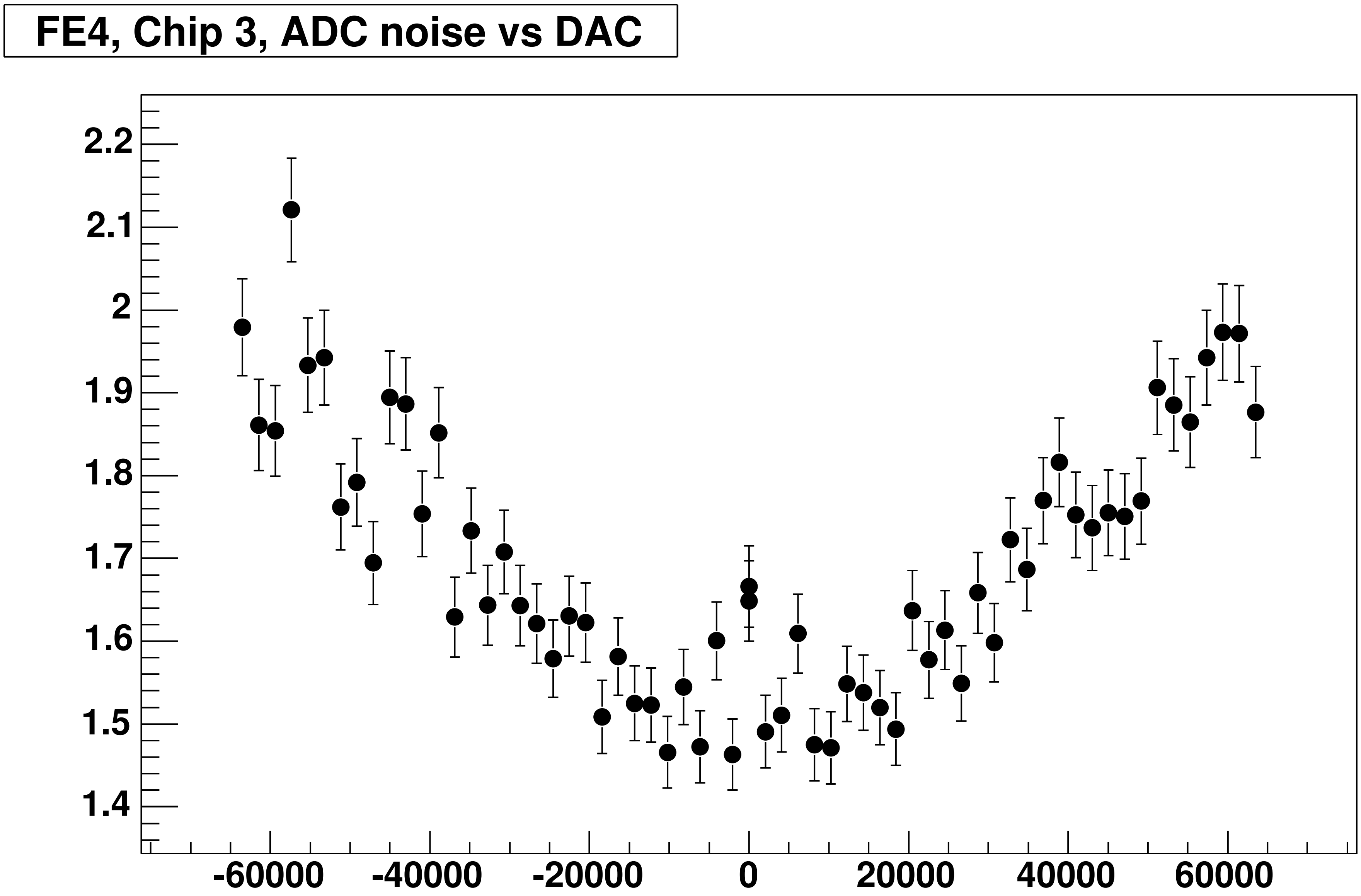
FE4, Chip 2, ADC mean vs DAC
χ^2 / ndf 6.98e+04 / 62
p0 -85.9 ± 0.008631
p1 0.2373 ± 2.525e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 2, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

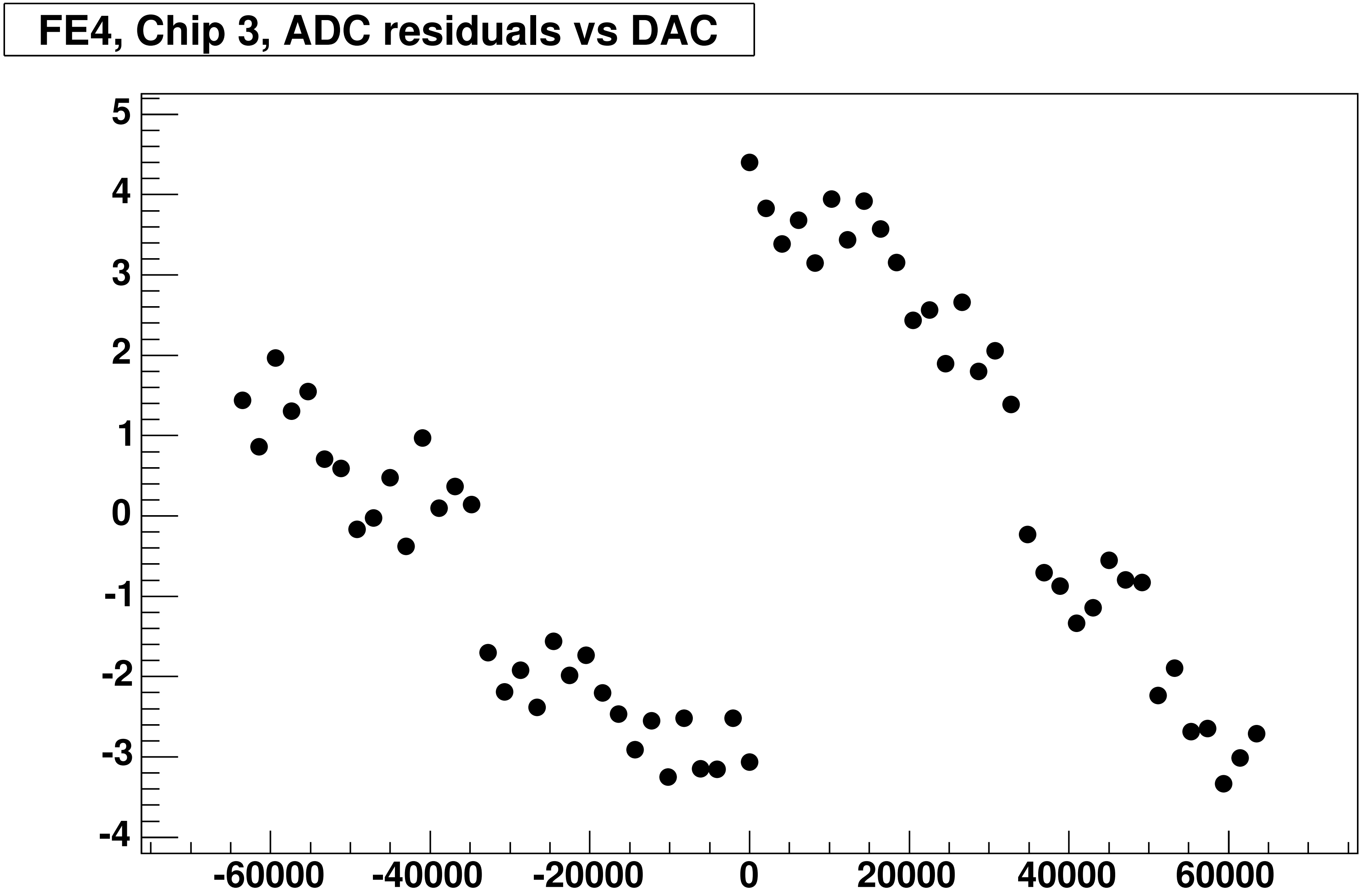


FE4, Chip 2, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

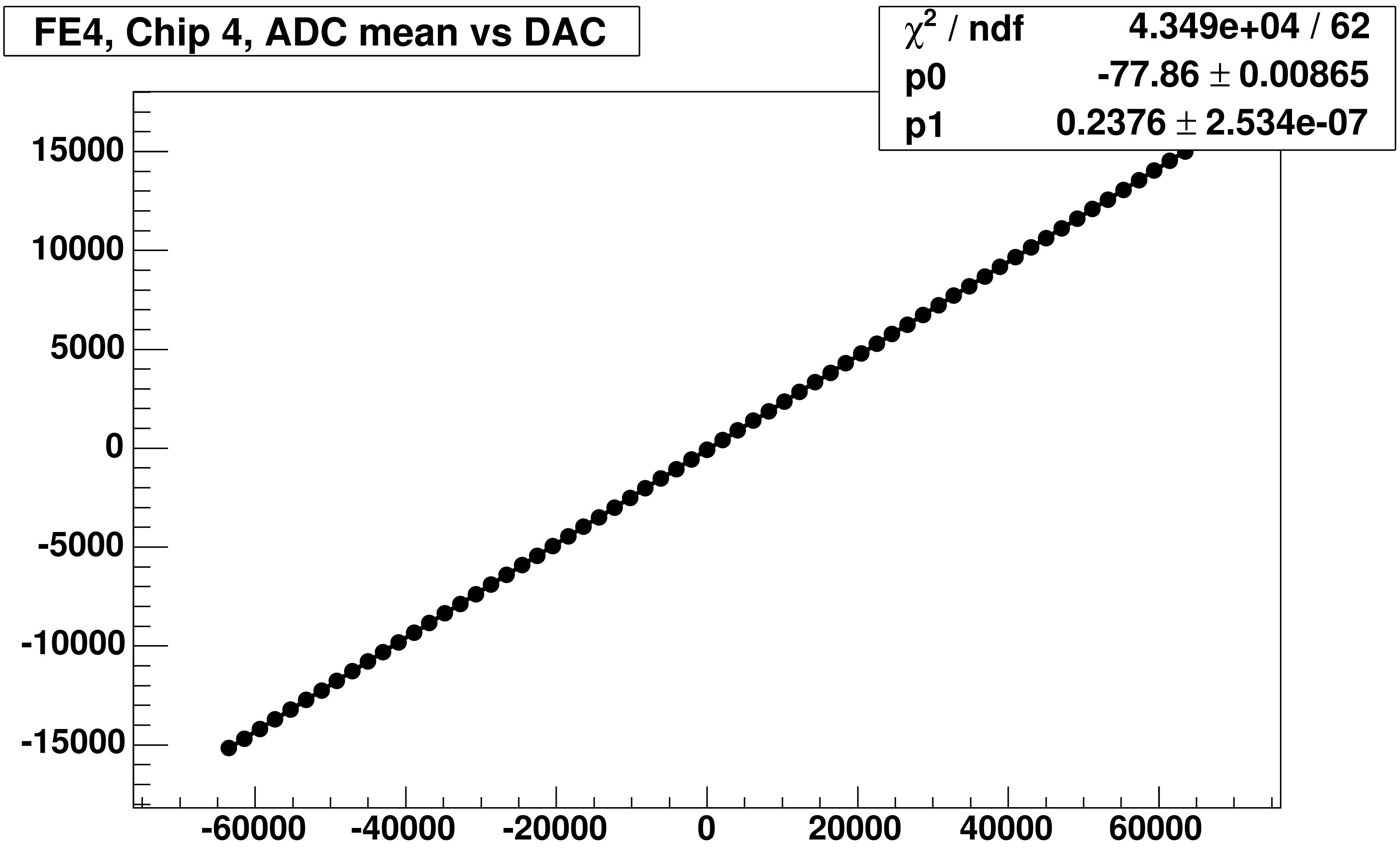

FE4, Chip 3, ADC mean vs DAC
χ^2 / ndf 7.608e+04 / 62
p0 -31.29 ± 0.008725
p1 0.2386 ± 2.556e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



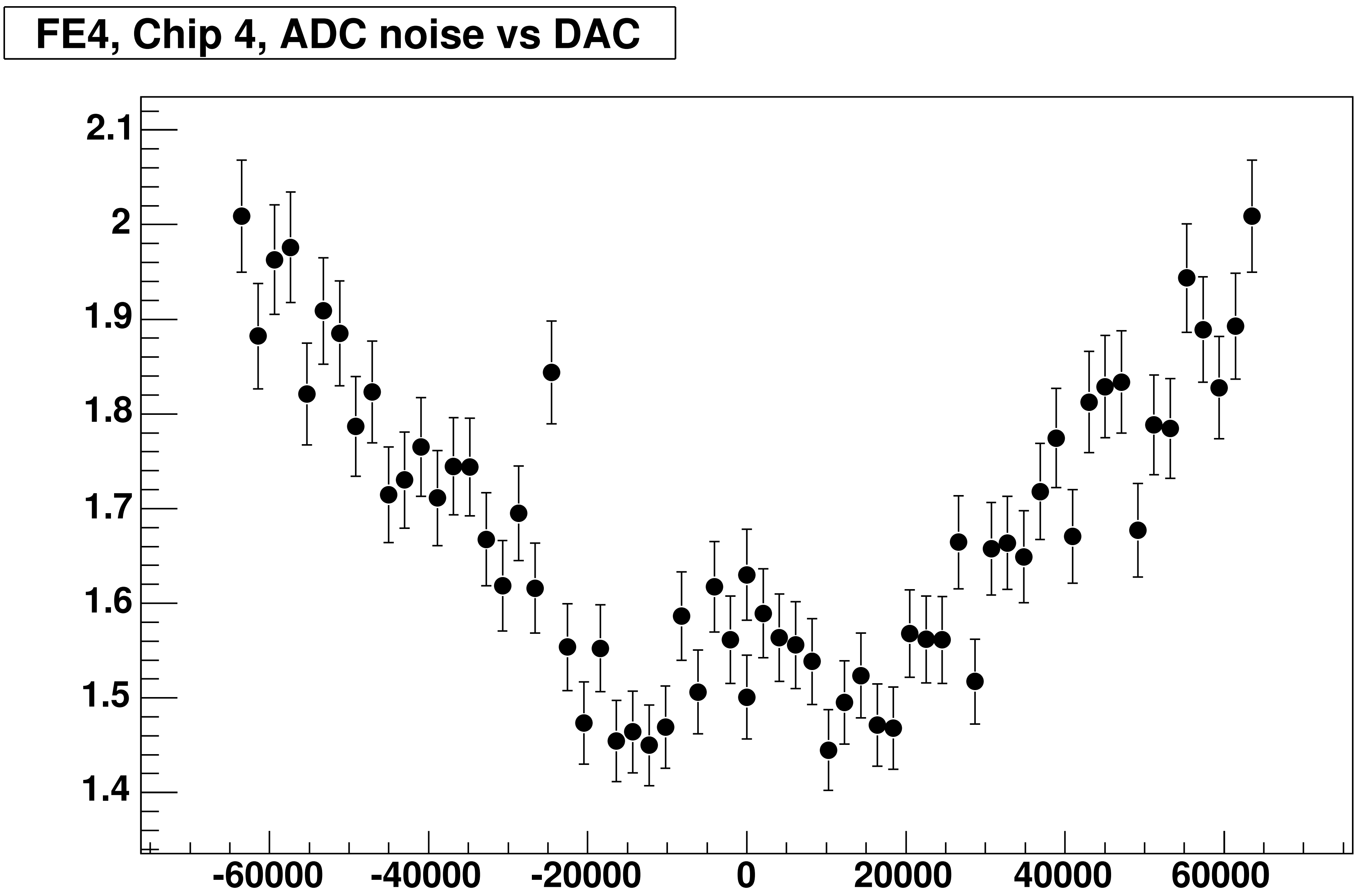
FE4, Chip 3, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

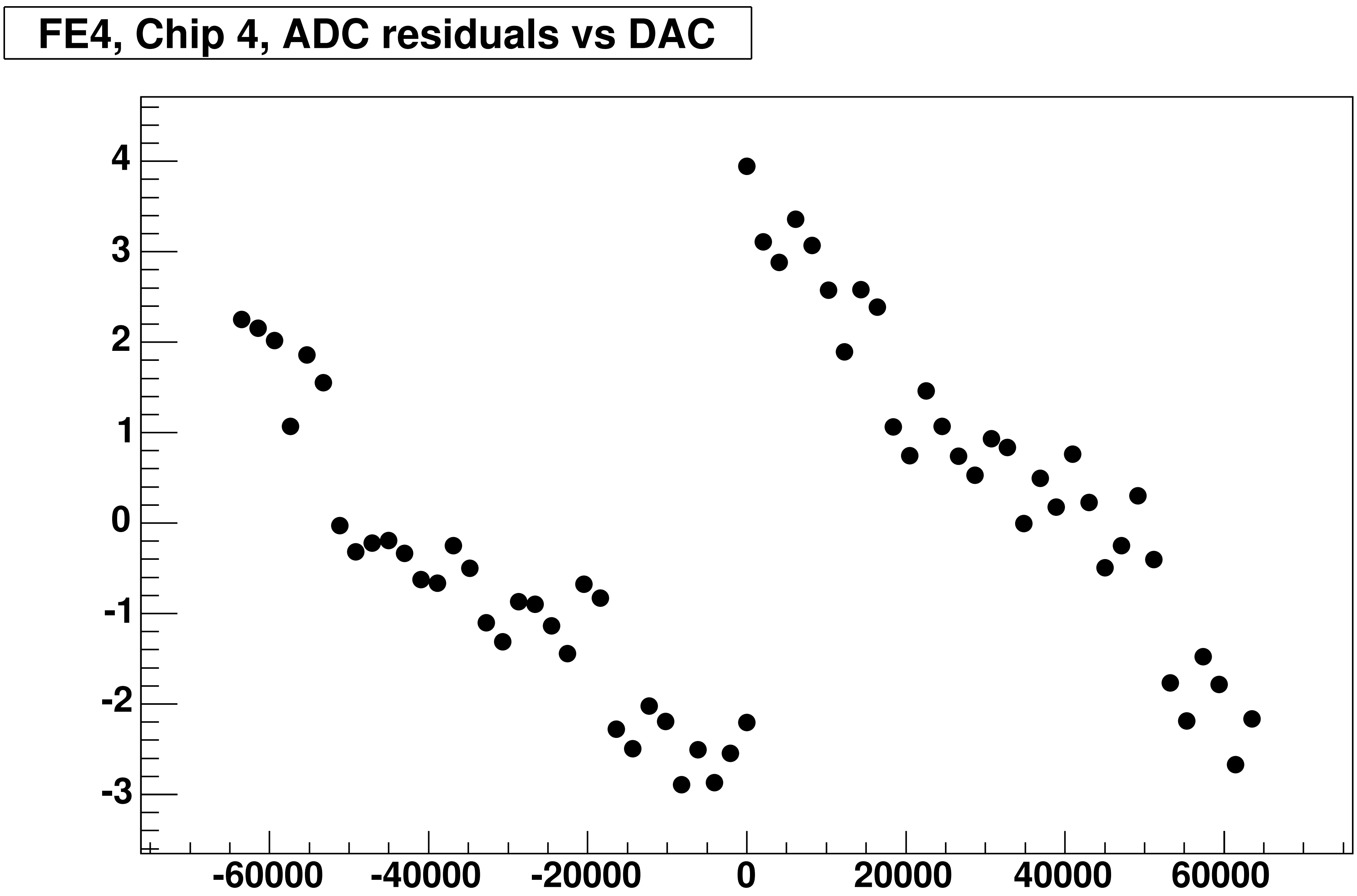


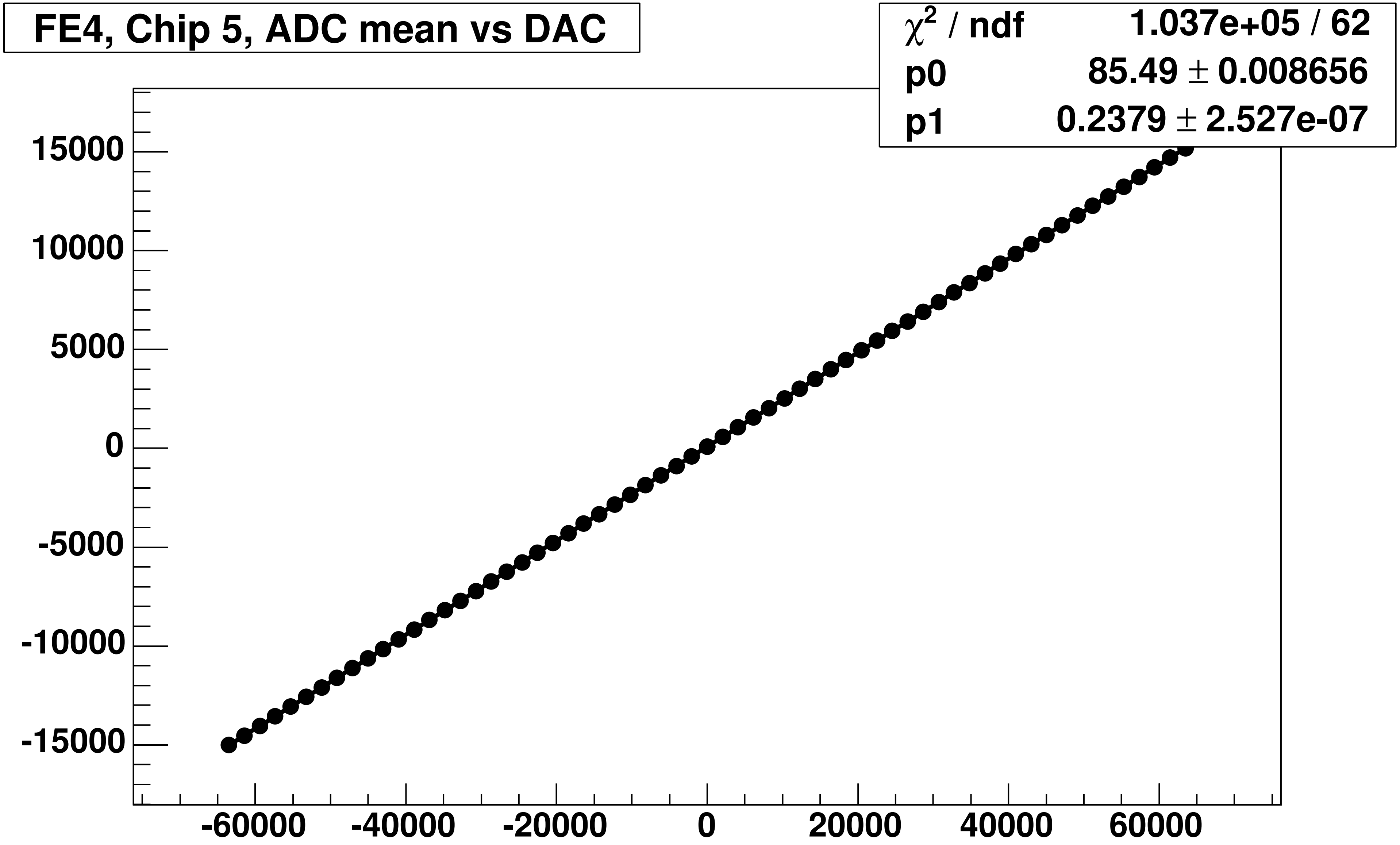
FE4, Chip 3, ADC residuals vs DAC
5
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000



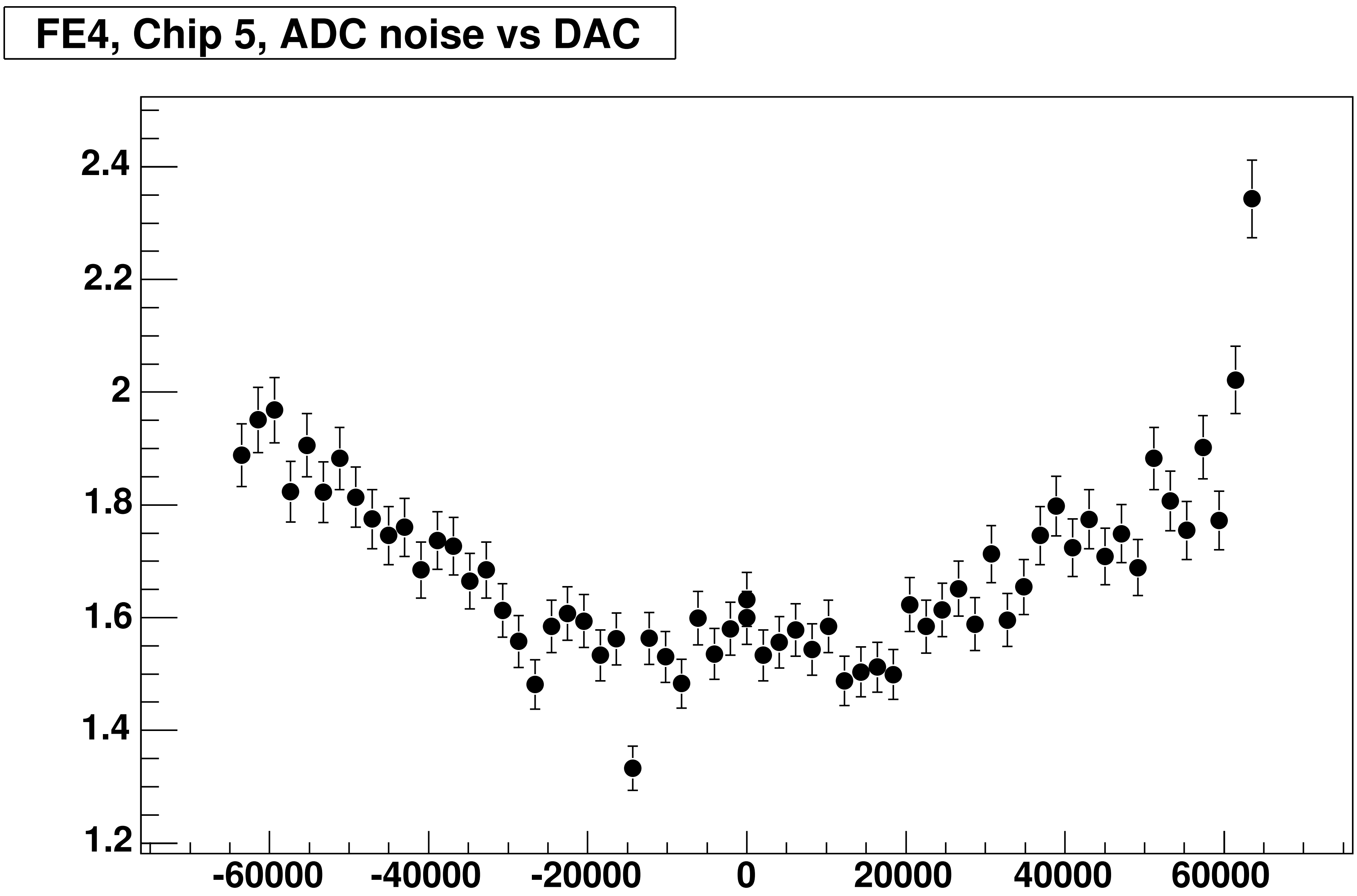
FE4, Chip 4, ADC mean vs DAC
χ2 / ndf 4.349e+04 / 62
p0 -77.86 ± 0.00865
p1 0.2376 ± 2.534e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

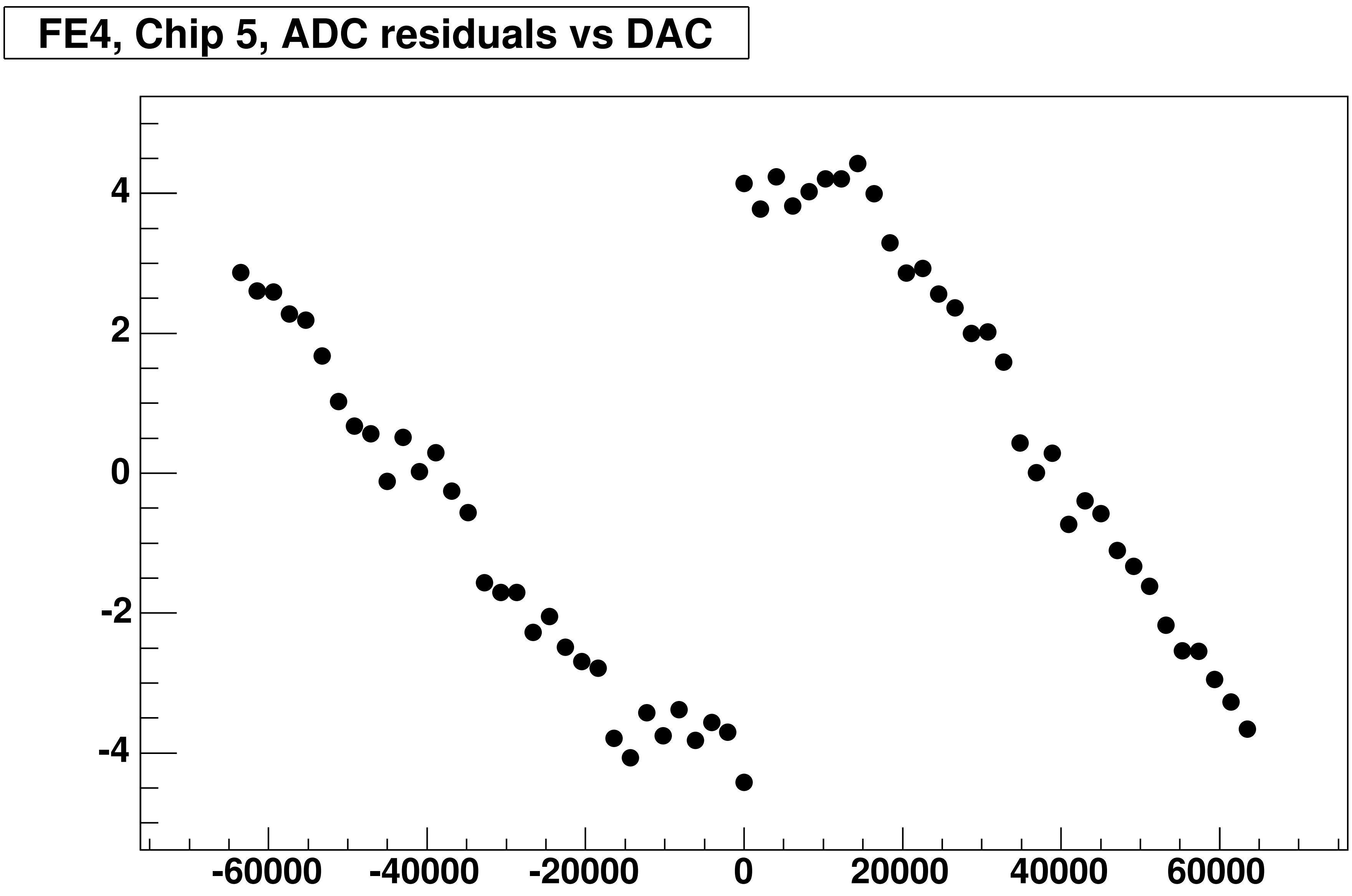

FE4, Chip 4, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

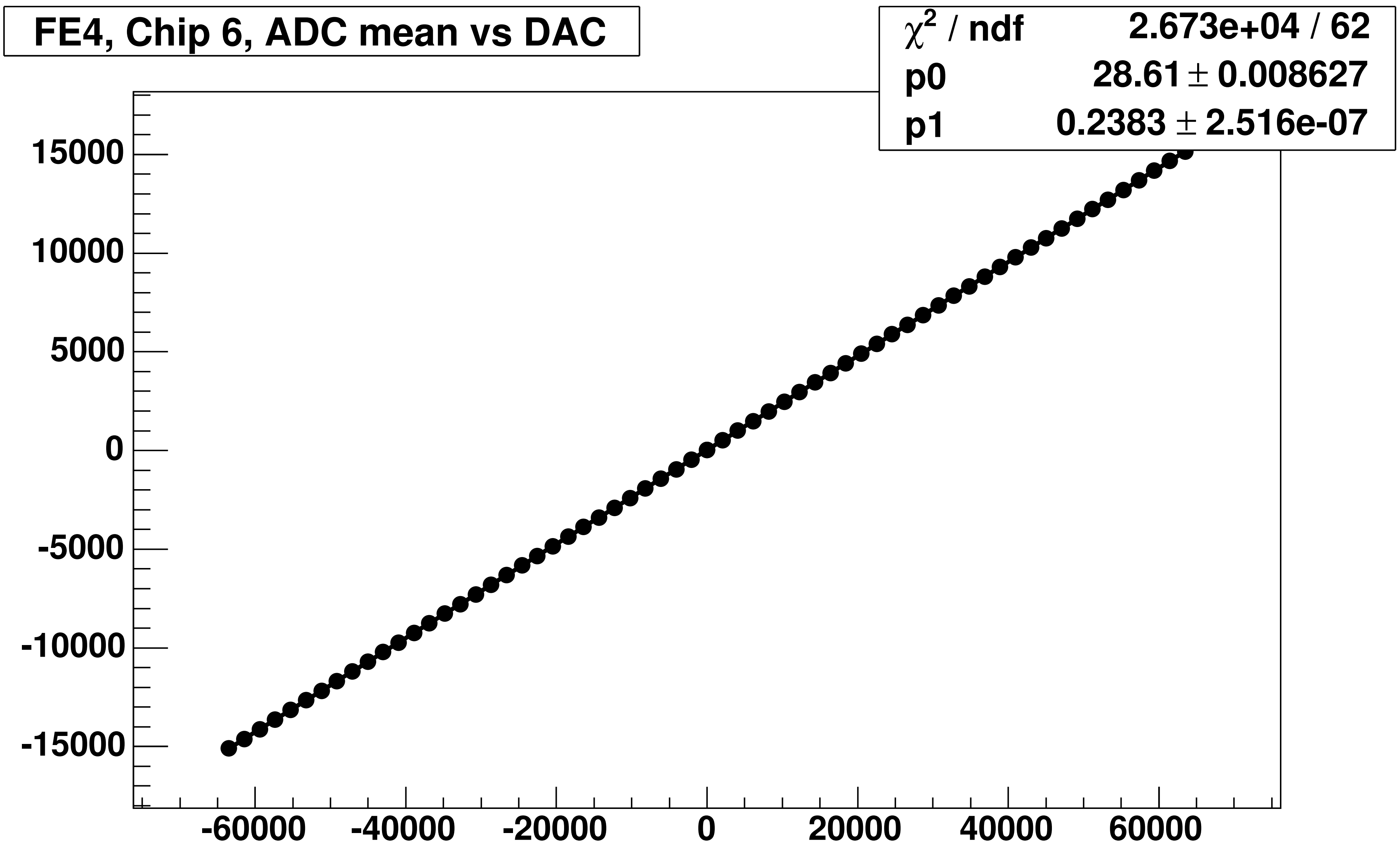

FE4, Chip 4, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000

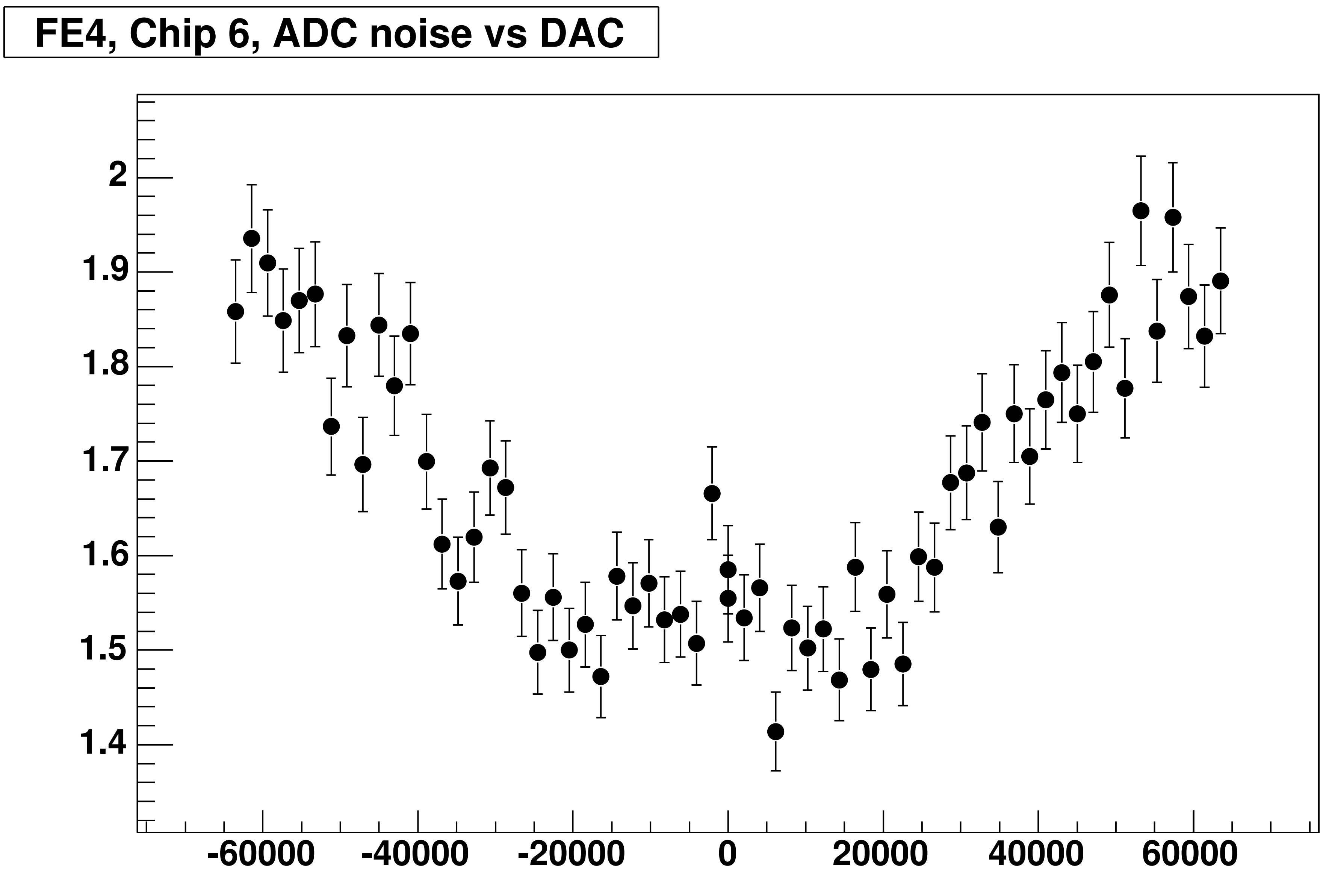


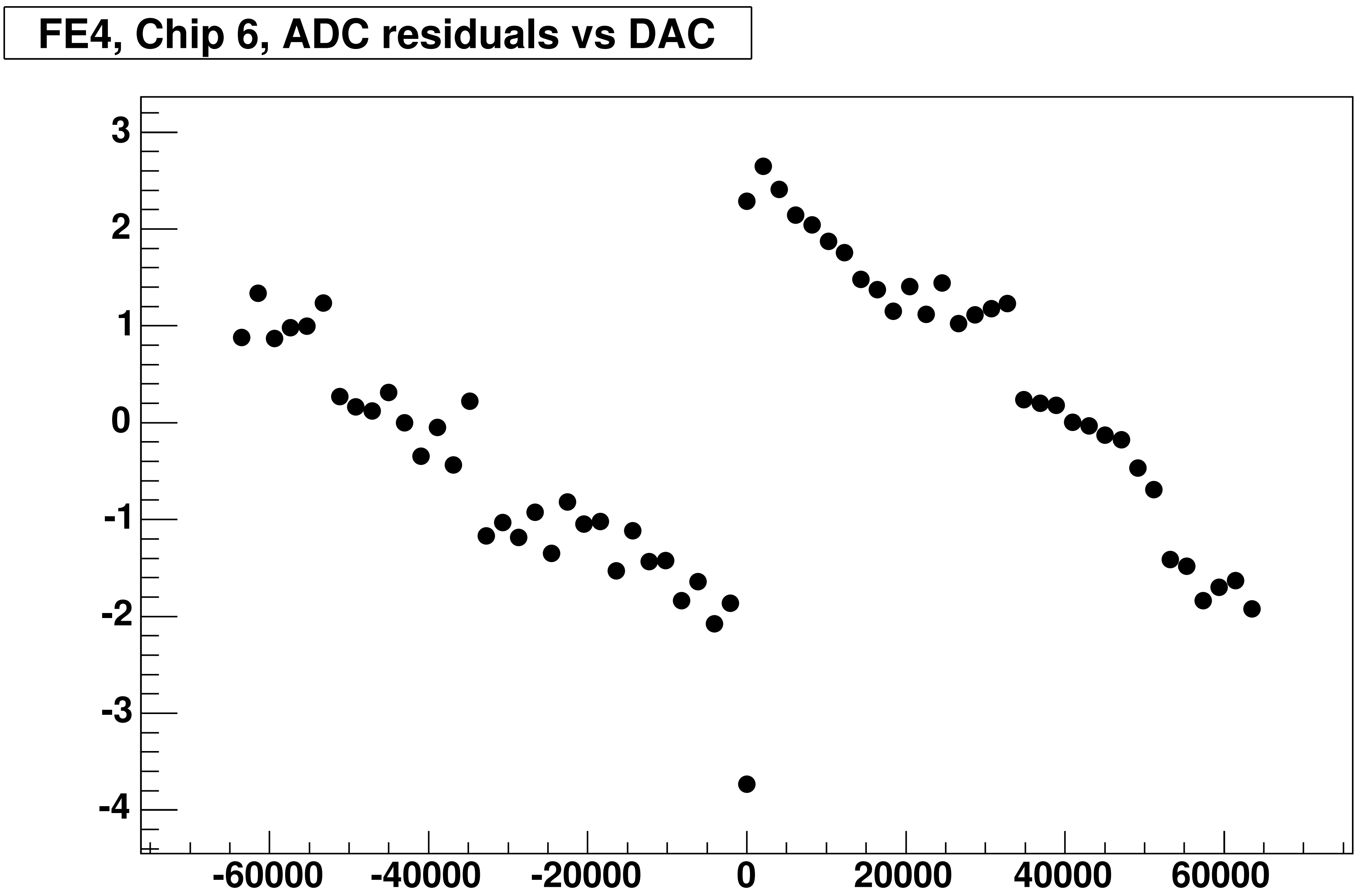
FE4, Chip 5, ADC mean vs DAC
χ^2 / ndf 1.037e+05 / 62
p0 85.49 ± 0.008656
p1 0.2379 ± 2.527e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

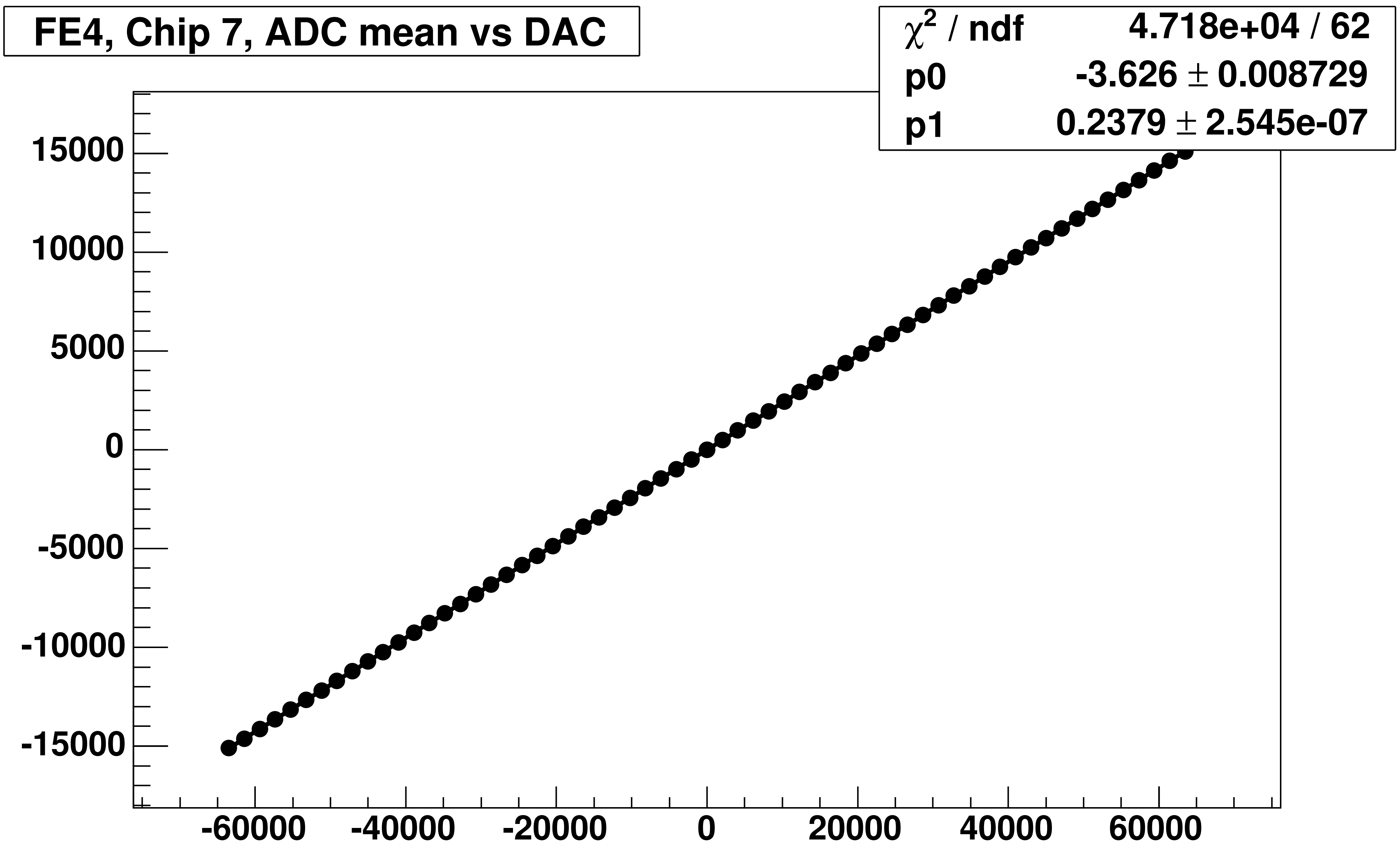

FE4, Chip 5, ADC noise vs DAC
2.4
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000

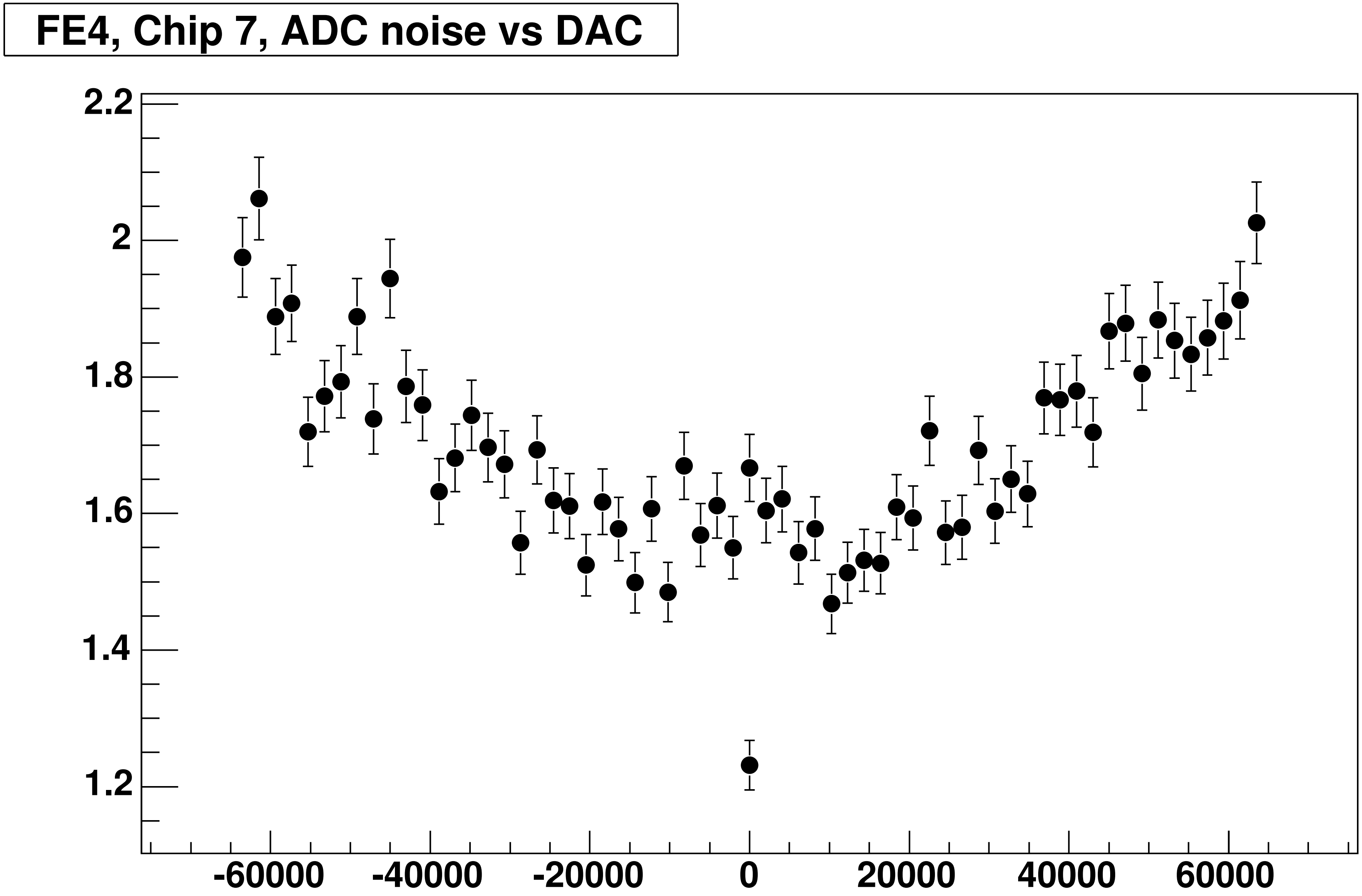

FE4, Chip 5, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 6, ADC mean vs DAC
χ^2 / ndf 2.673e+04 / 62
p0 28.61 ± 0.008627
p1 0.2383 ± 2.516e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

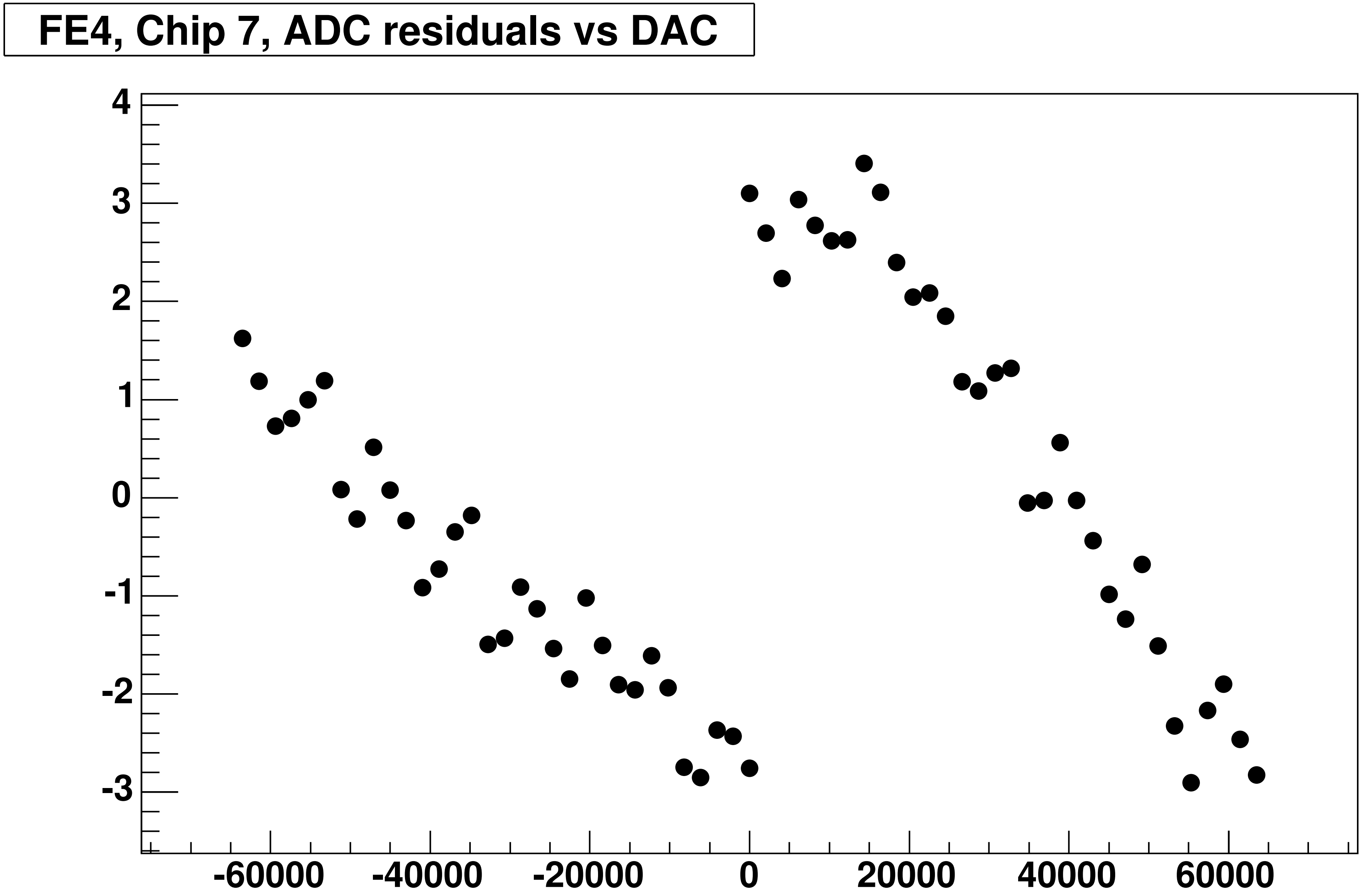

FE4, Chip 6, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

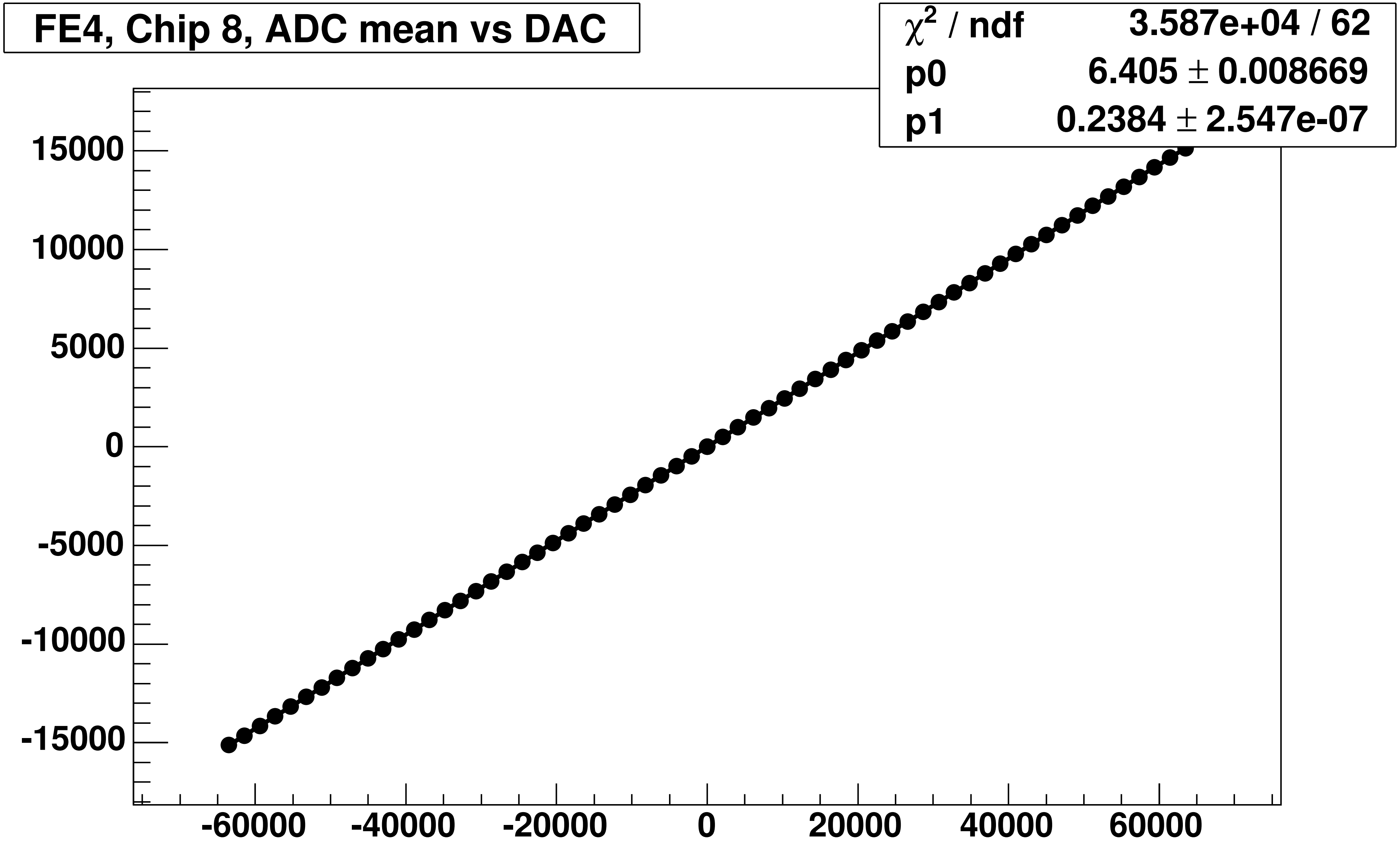

FE4, Chip 6, ADC residuals vs DAC
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

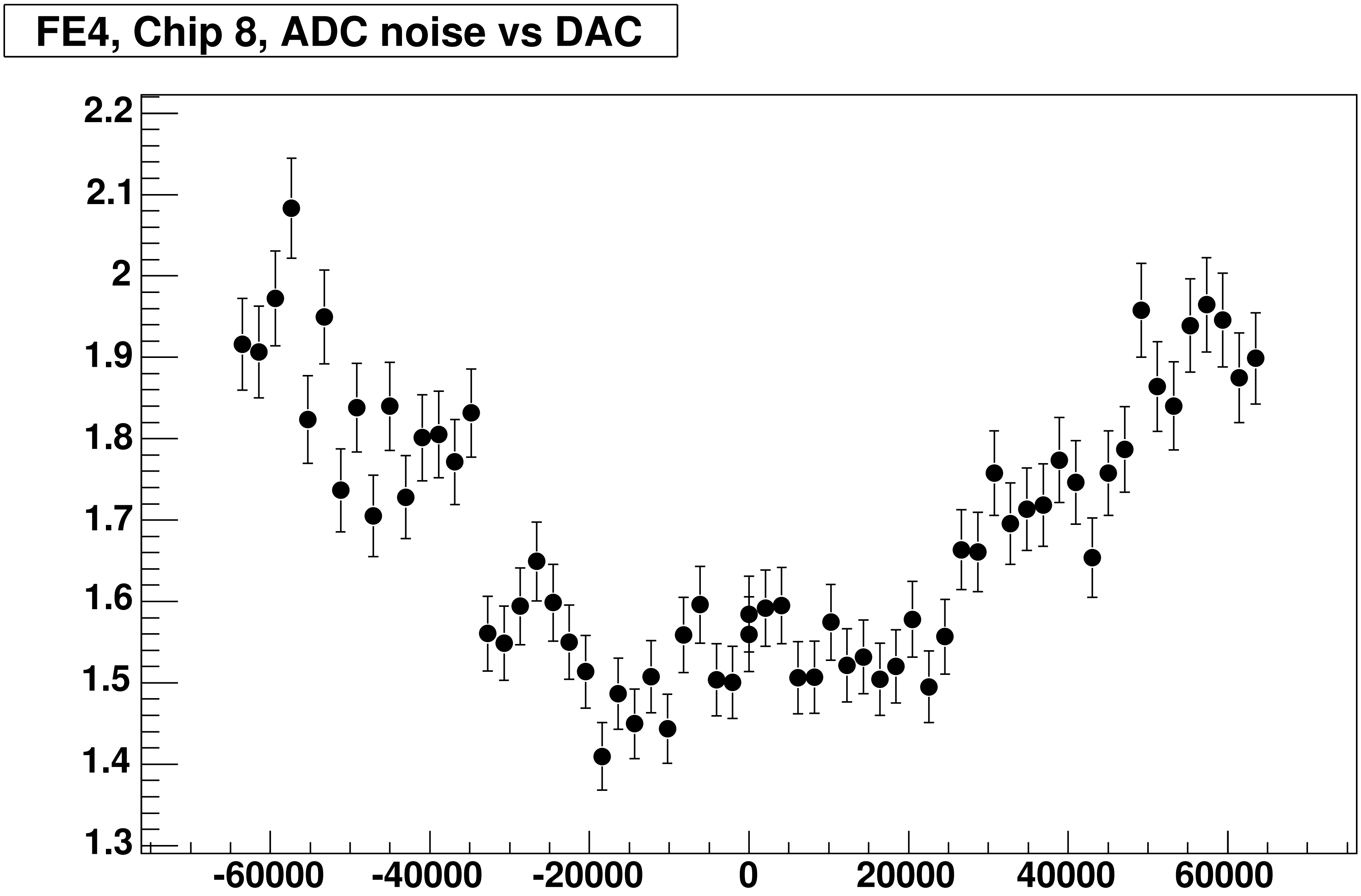

FE4, Chip 7, ADC mean vs DAC
χ^2 / ndf 4.718e+04 / 62
p0 -3.626 ± 0.008729
p1 0.2379 ± 2.545e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

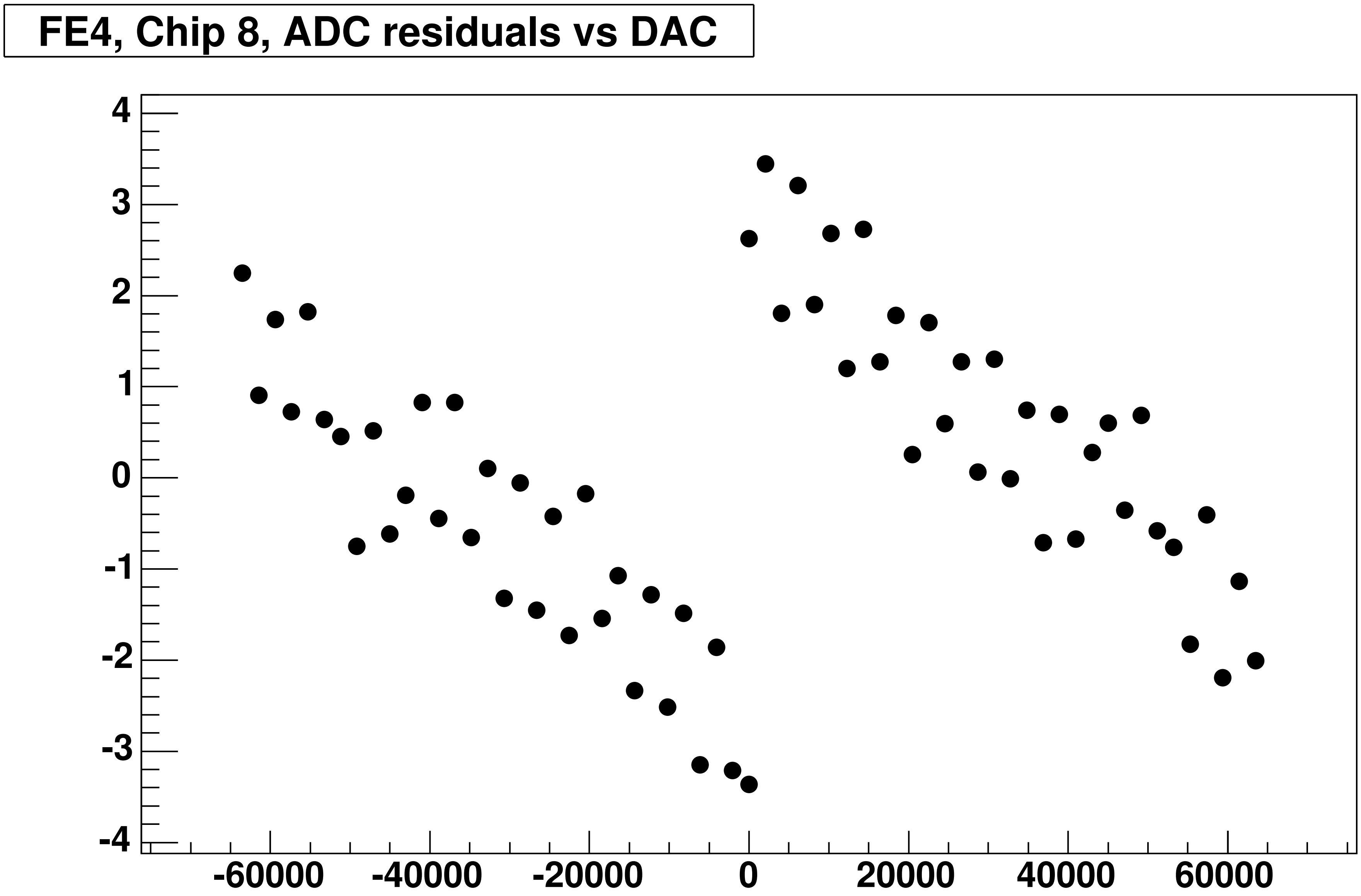


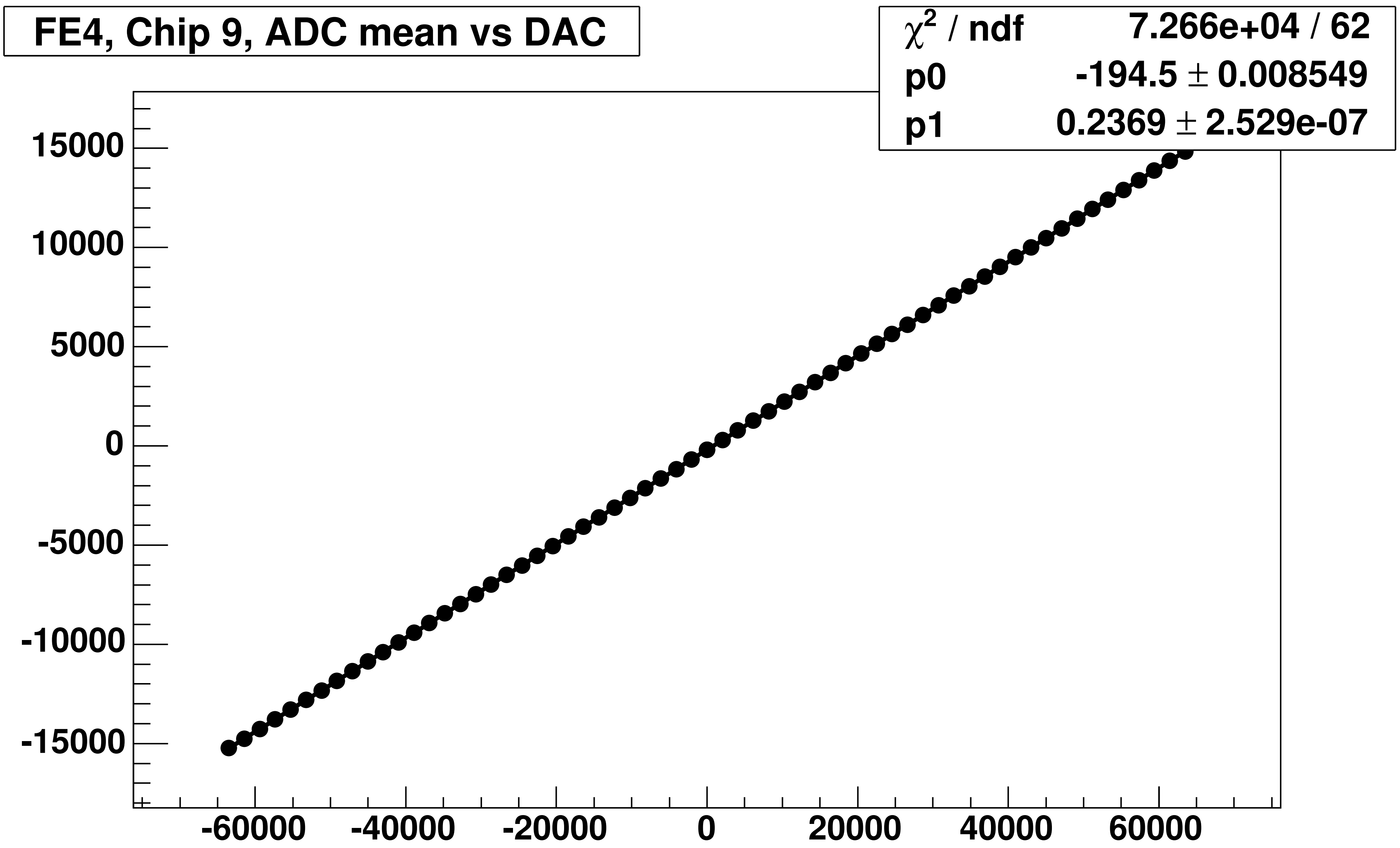
FE4, Chip 7, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000

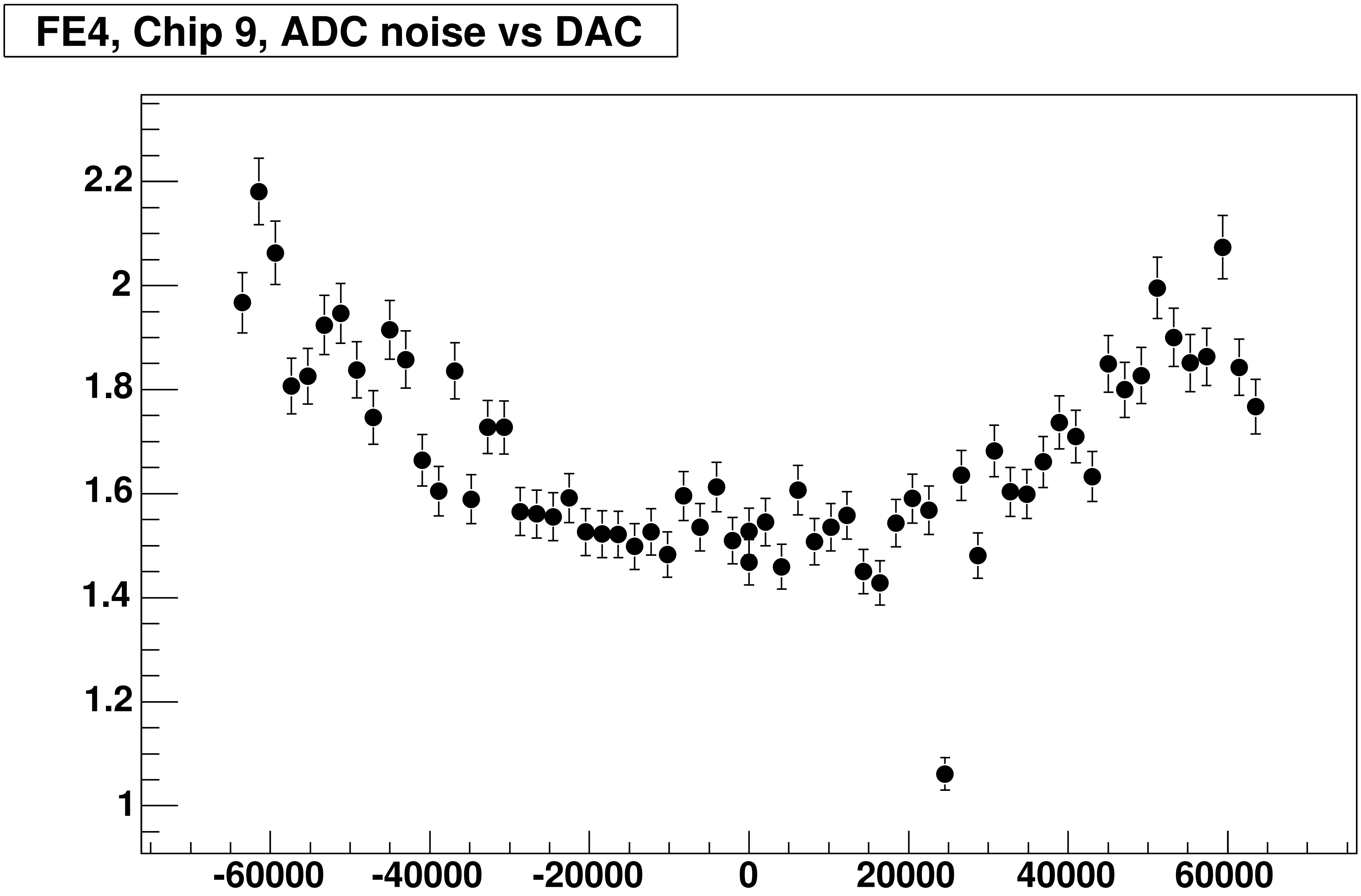

FE4, Chip 7, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000

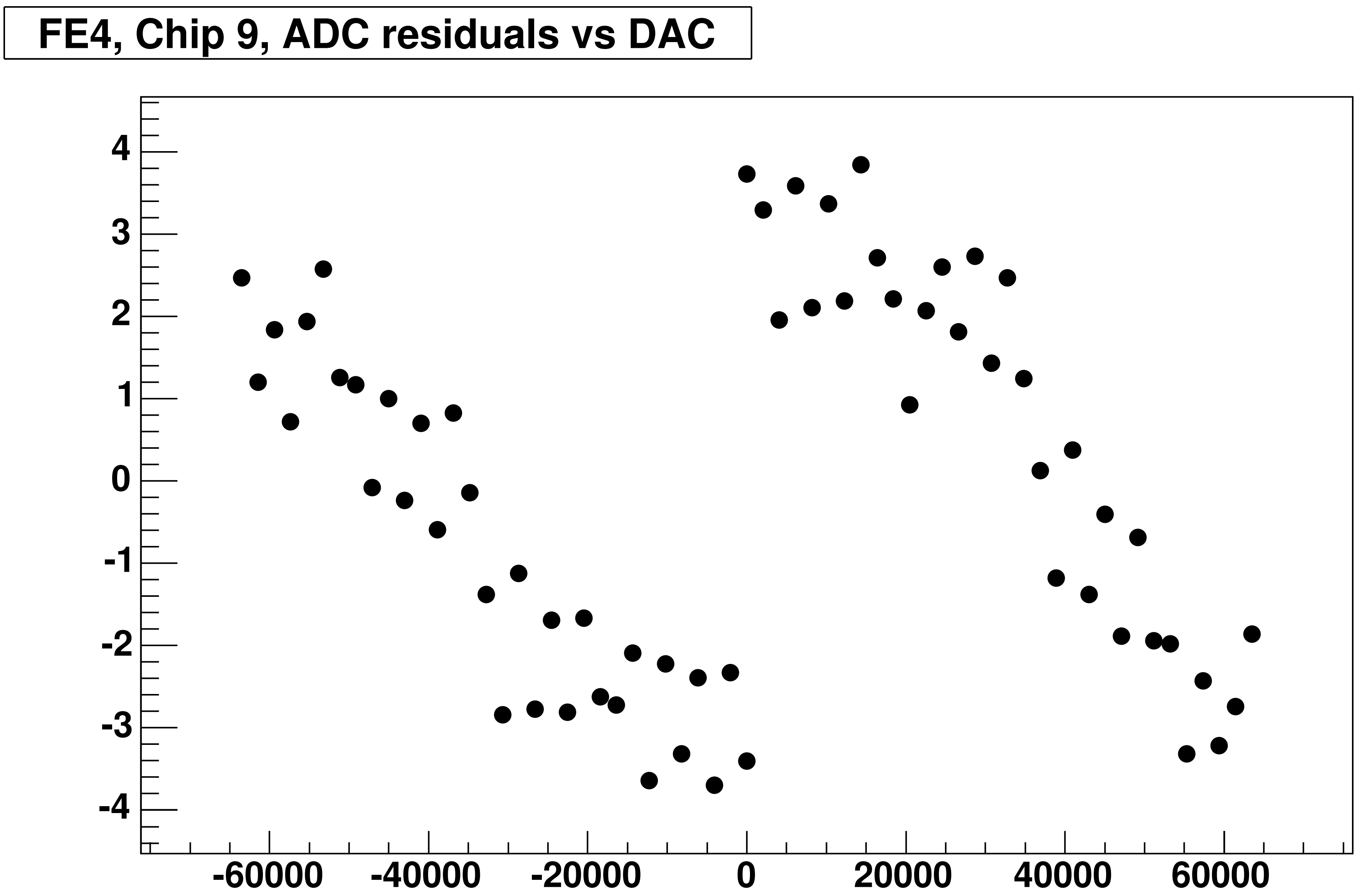

FE4, Chip 8, ADC mean vs DAC
χ^2 / ndf 3.587e+04 / 62
p0 6.405 ± 0.008669
p1 0.2384 ± 2.547e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

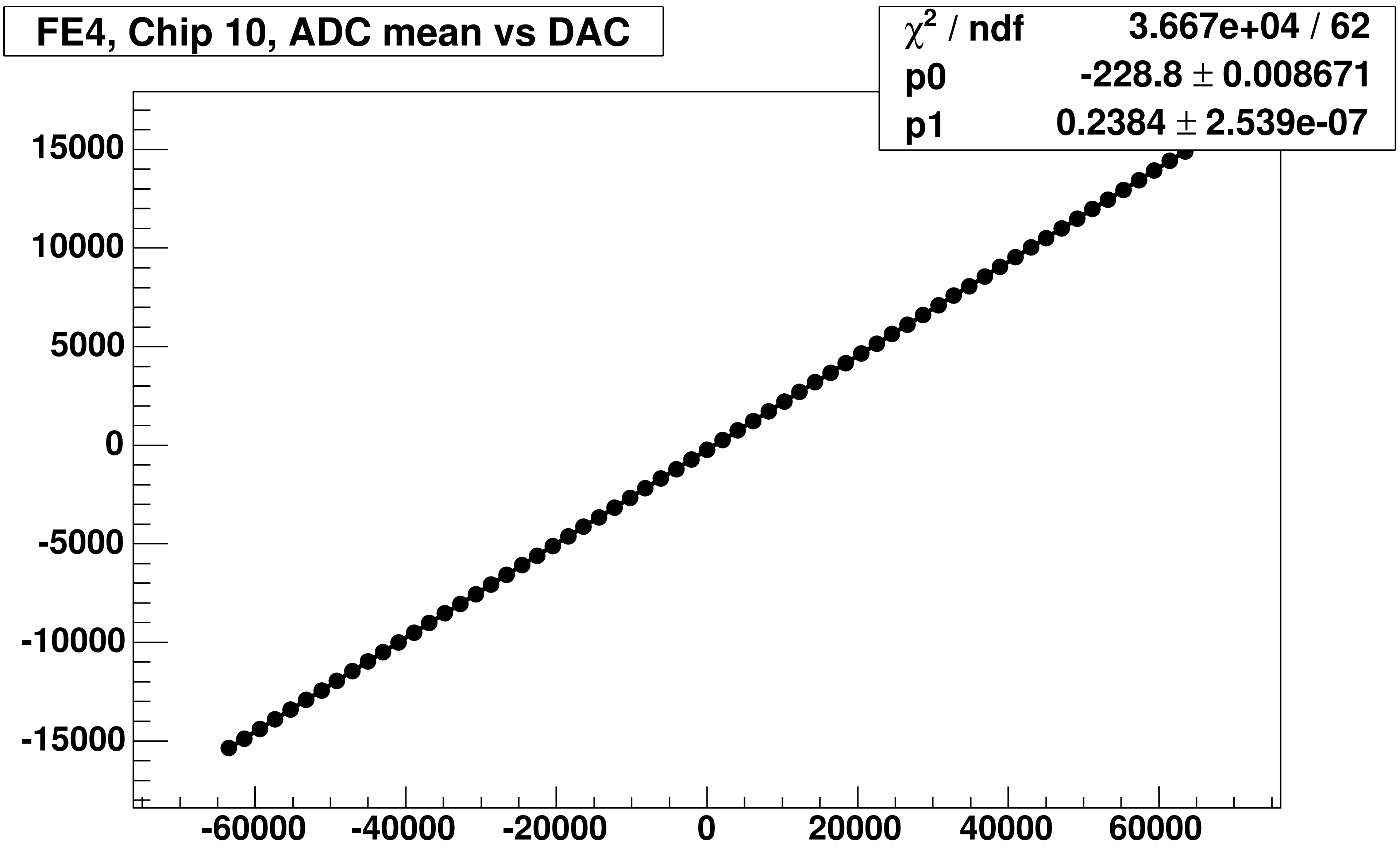

FE4, Chip 8, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

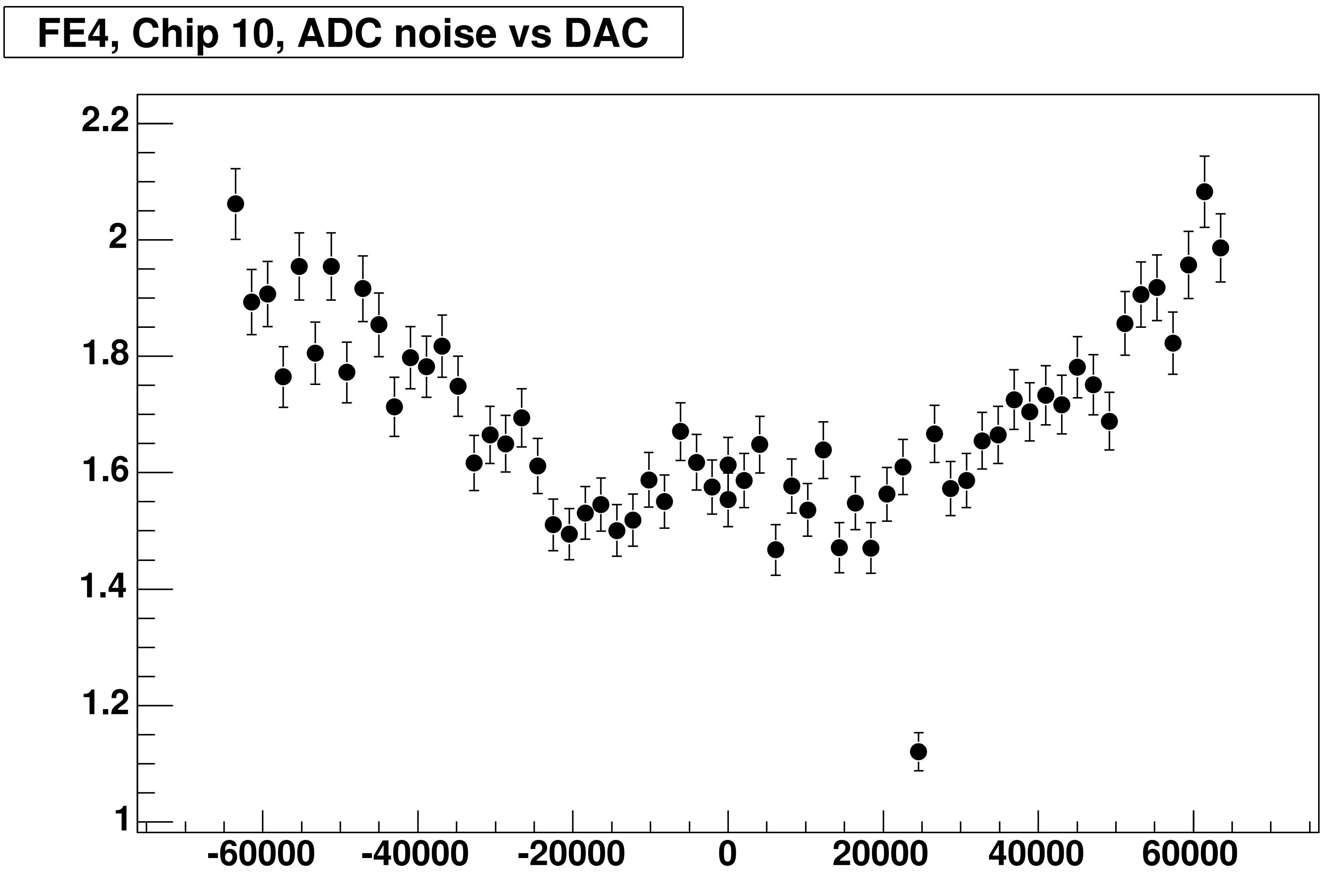

FE4, Chip 8, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 9, ADC mean vs DAC
χ^2 / ndf 7.266e+04 / 62
p0 -194.5 ± 0.008549
p1 0.2369 ± 2.529e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

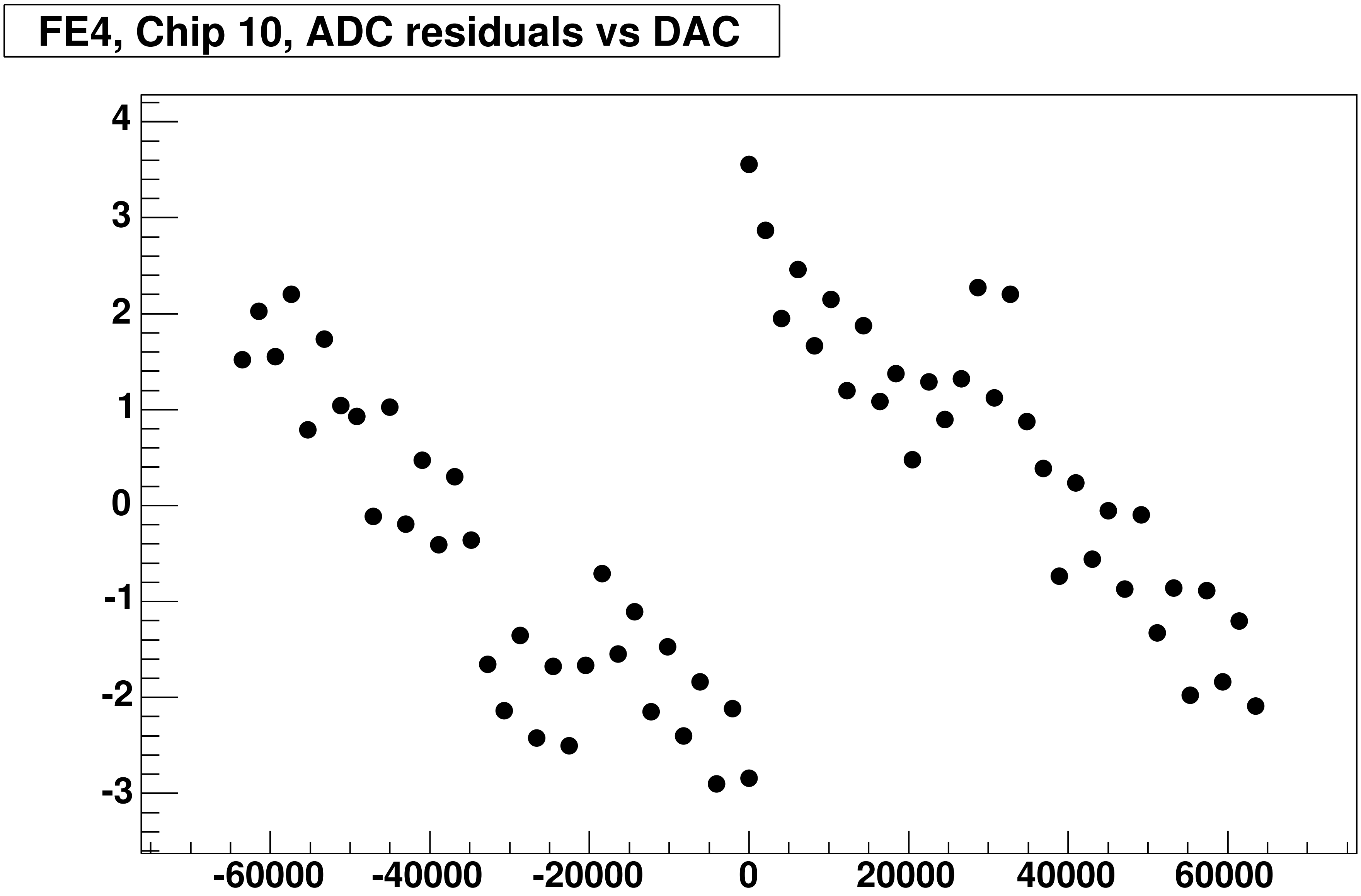

FE4, Chip 9, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
1
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 9, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

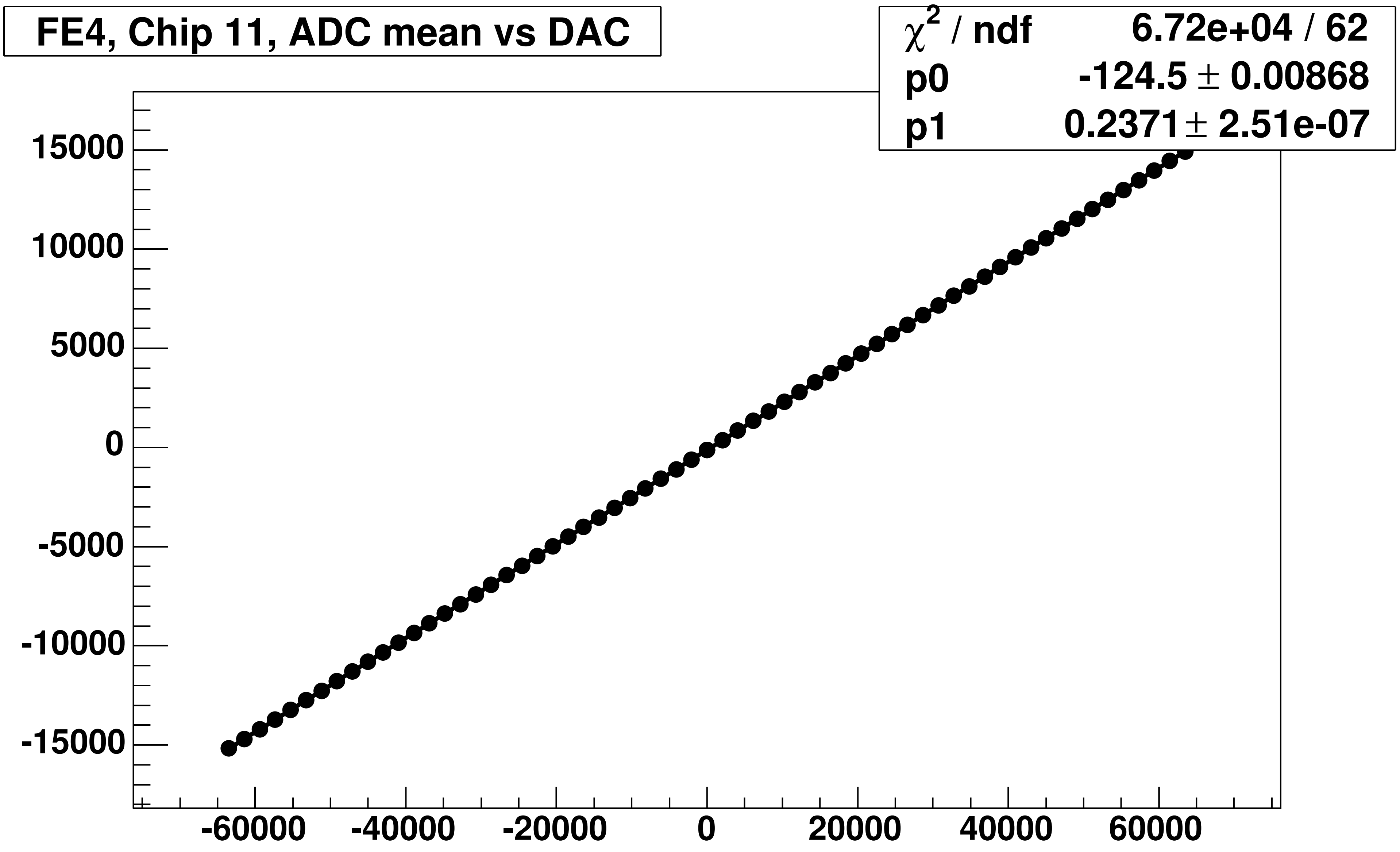

FE4, Chip 10, ADC mean vs DAC
χ2 / ndf 3.667e+04 / 62
p0 -228.8 ± 0.008671
p1 0.2384 ± 2.539e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



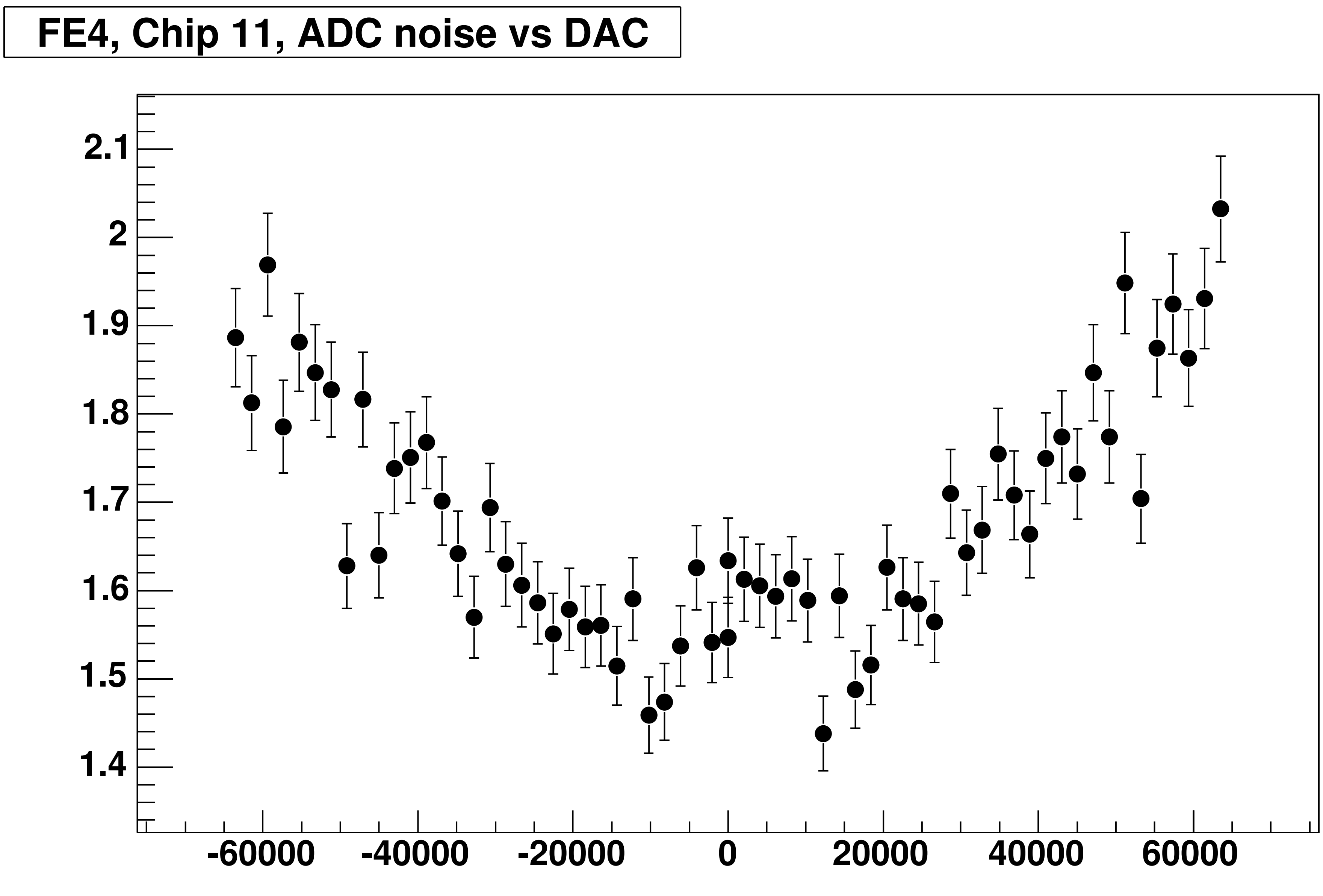
FE4, Chip 10, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
1
-60000
-40000
-20000
0
20000
40000
60000

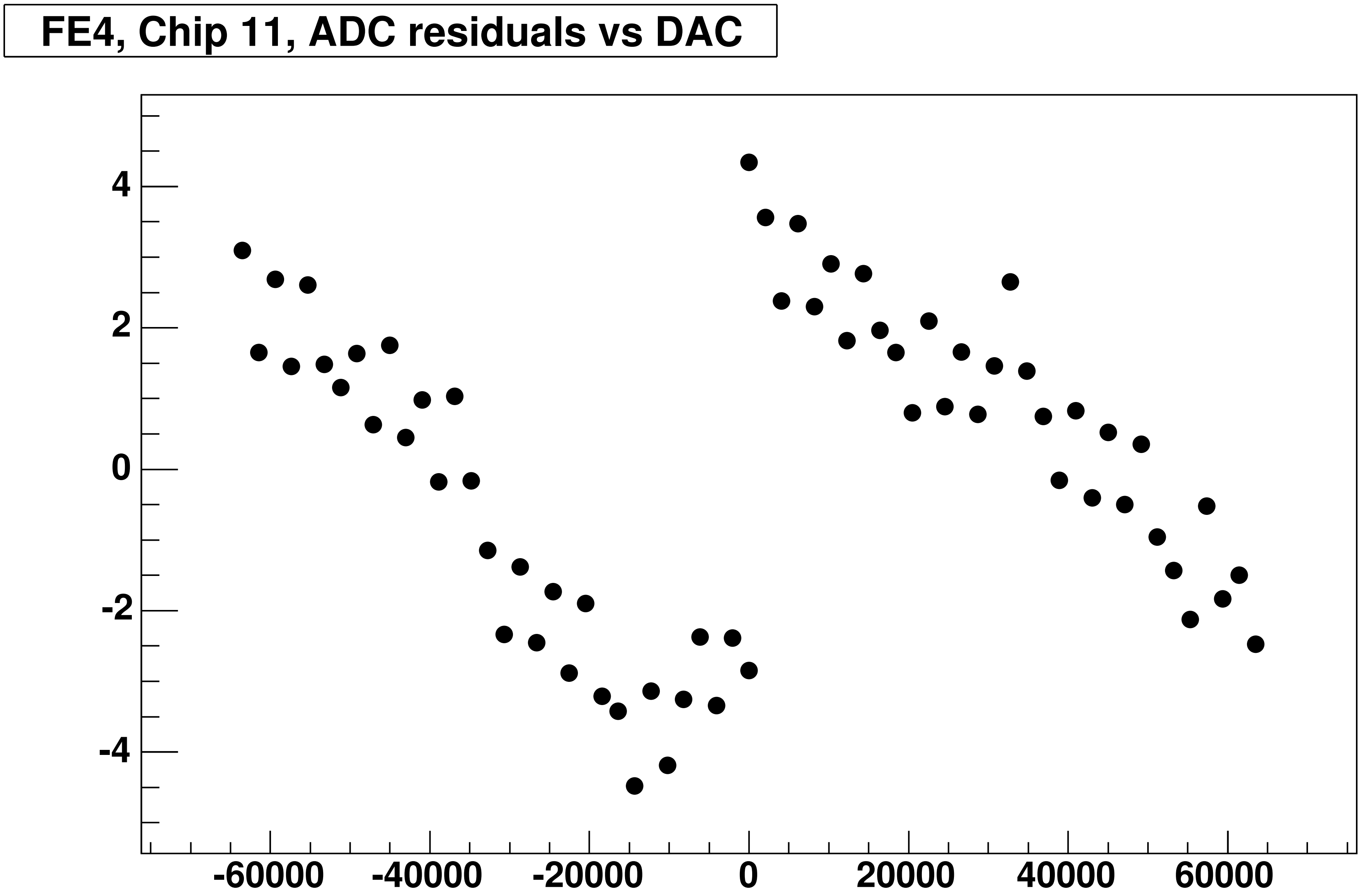


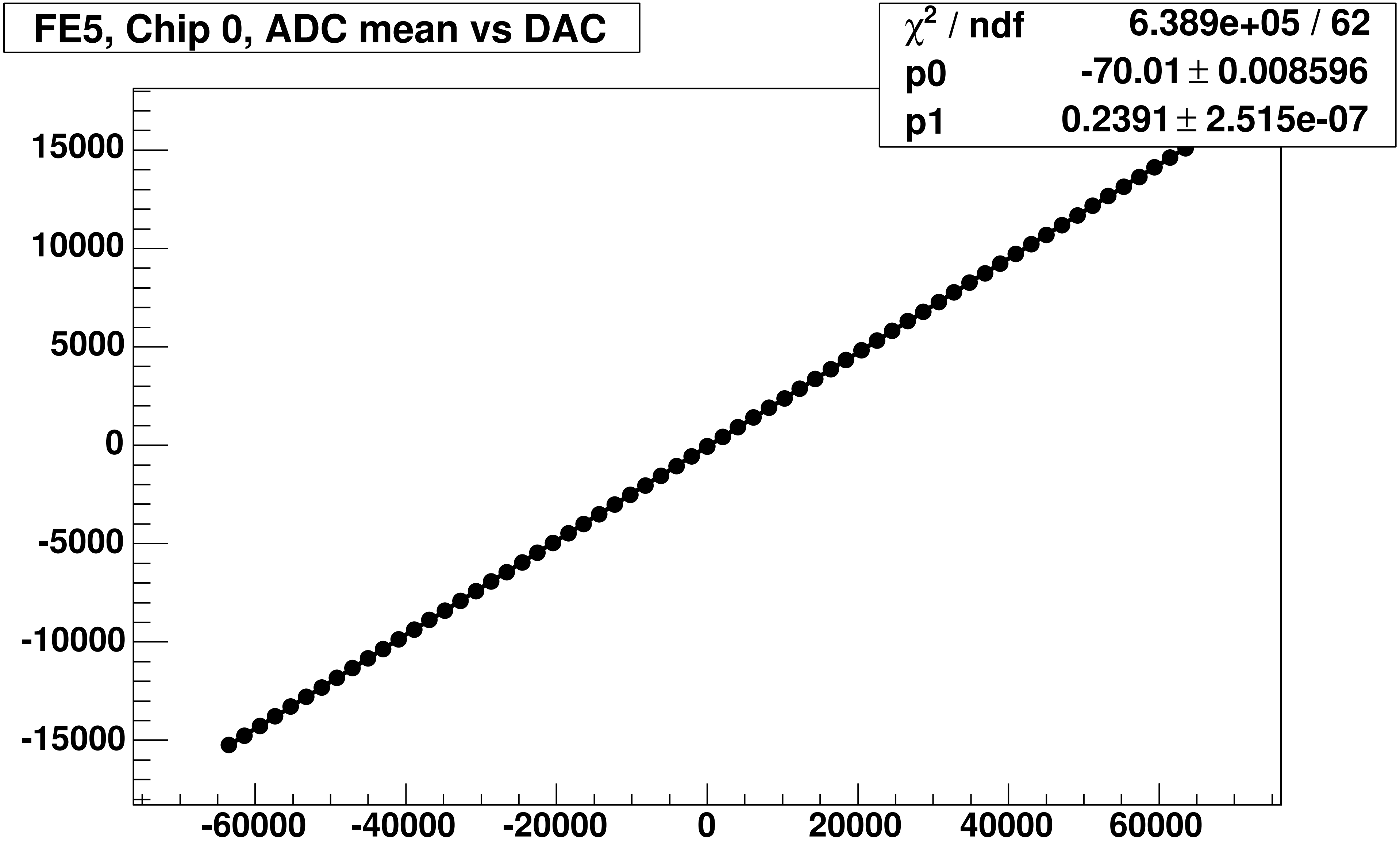
FE4, Chip 10, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000



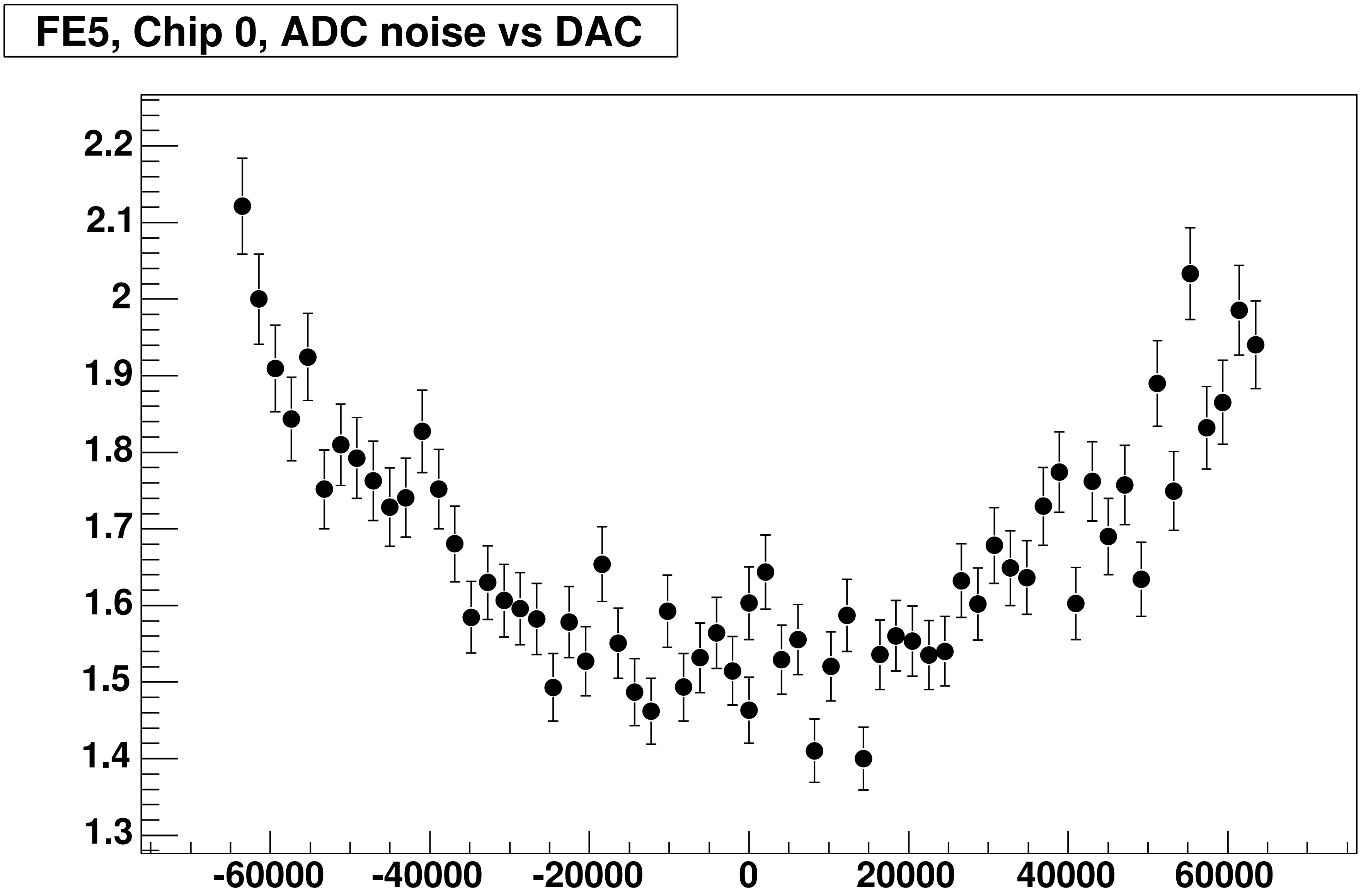
FE4, Chip 11, ADC mean vs DAC
χ^2 / ndf 6.72e+04 / 62
p0 -124.5 ± 0.00868
p1 0.2371 ± 2.51e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

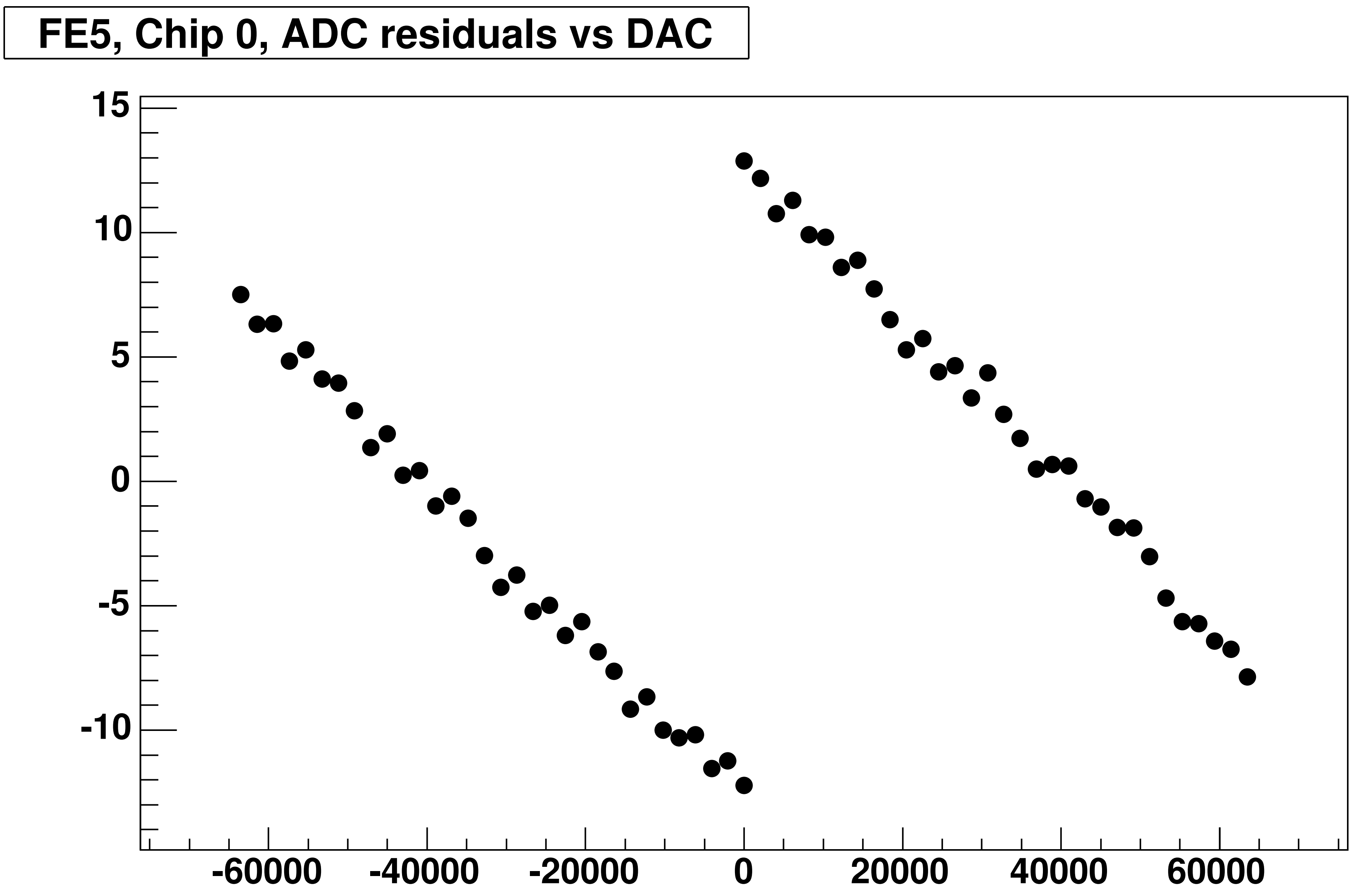

FE4, Chip 11, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

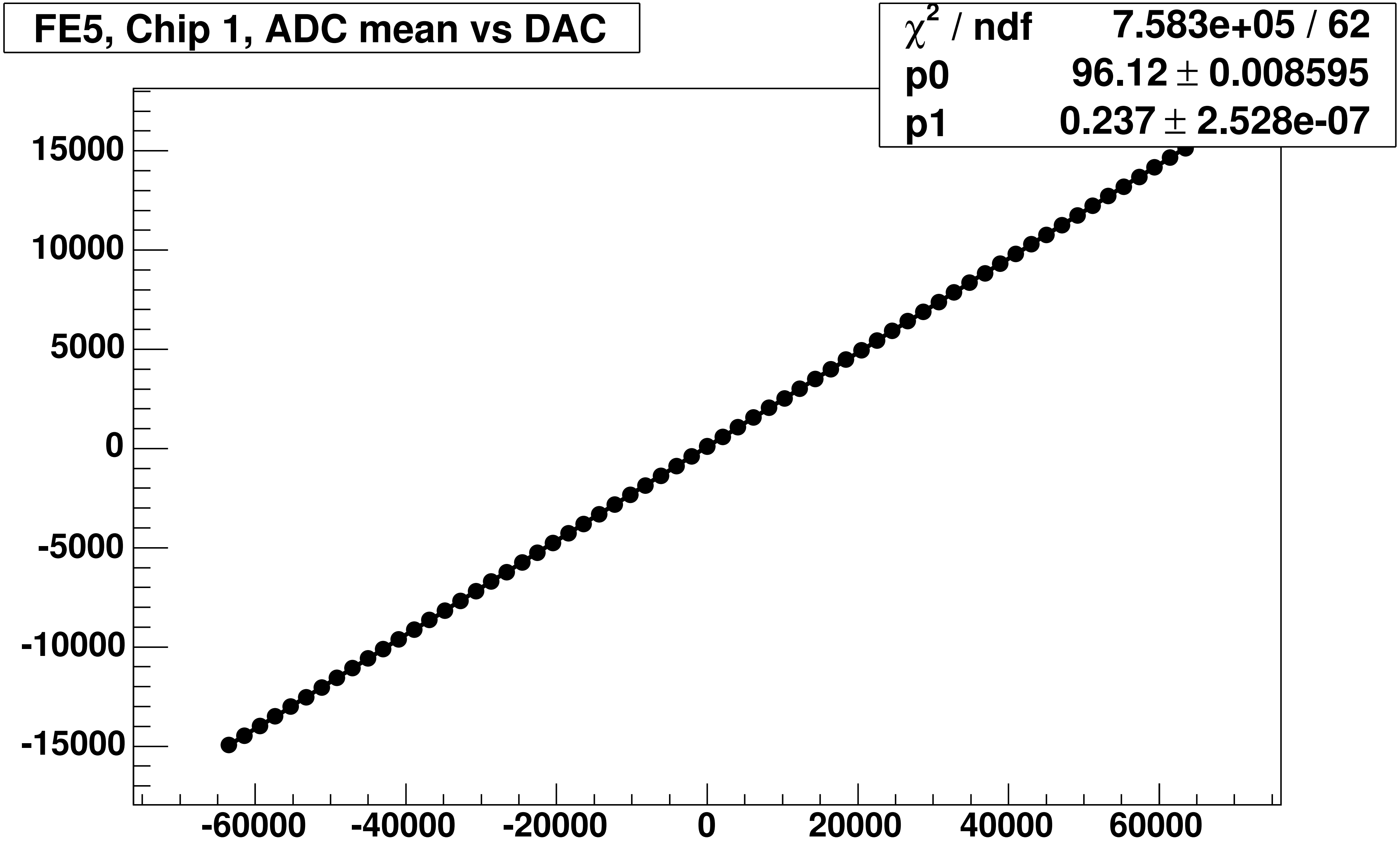

FE4, Chip 11, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000



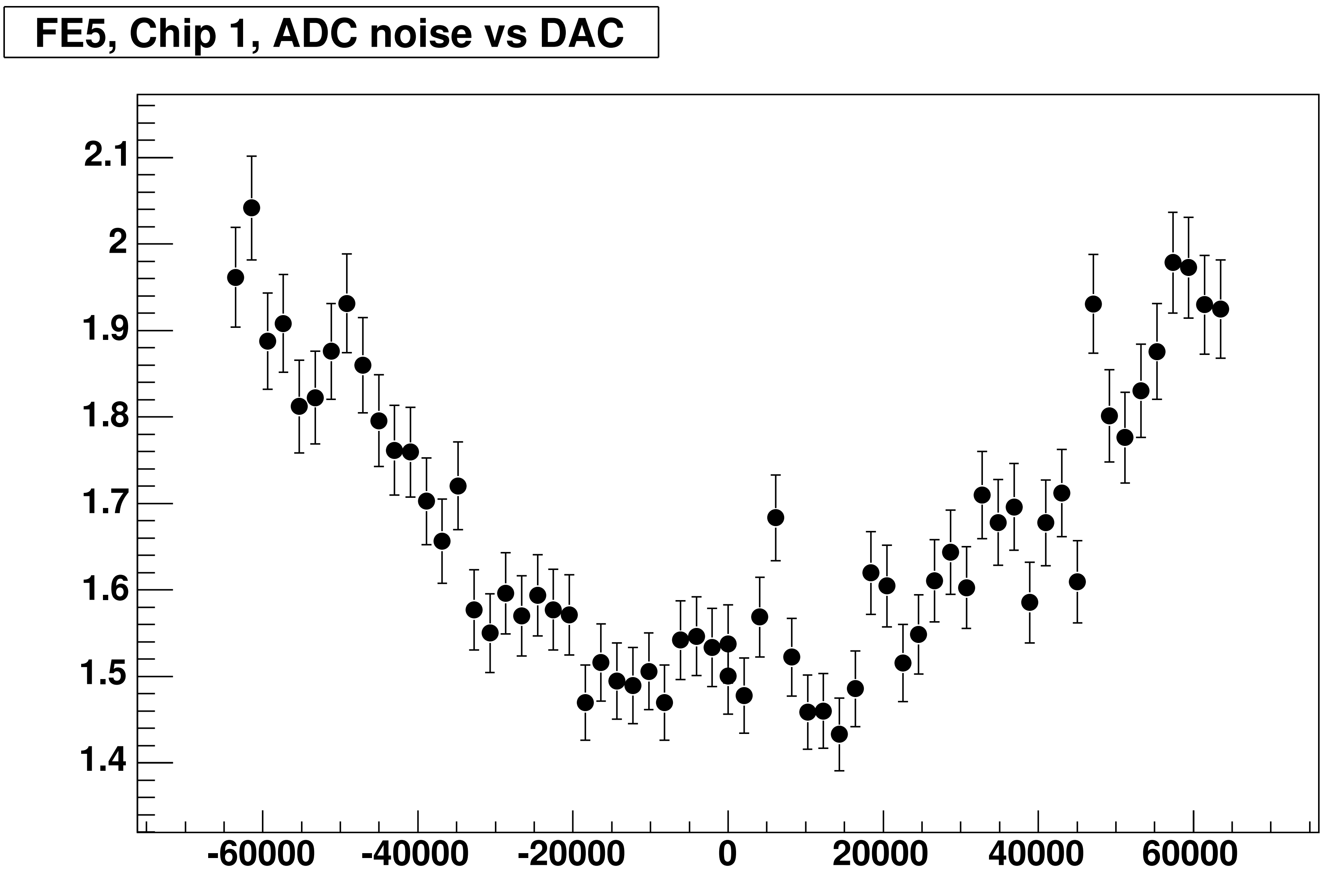
FE5, Chip 0, ADC mean vs DAC
χ^2 / ndf 6.389e+05 / 62
p0 -70.01 ± 0.008596
p1 0.2391 ± 2.515e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

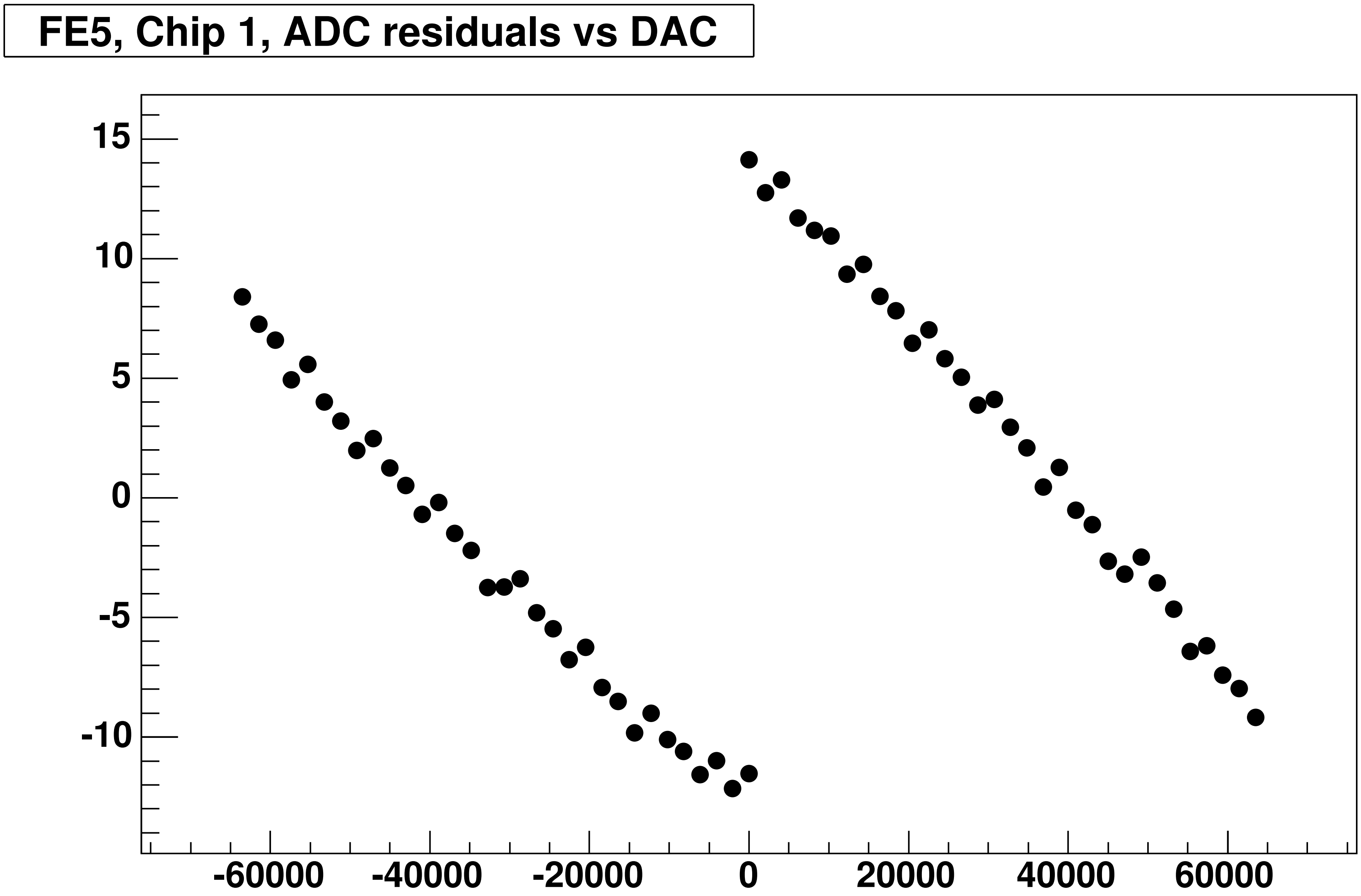

FE5, Chip 0, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 0, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

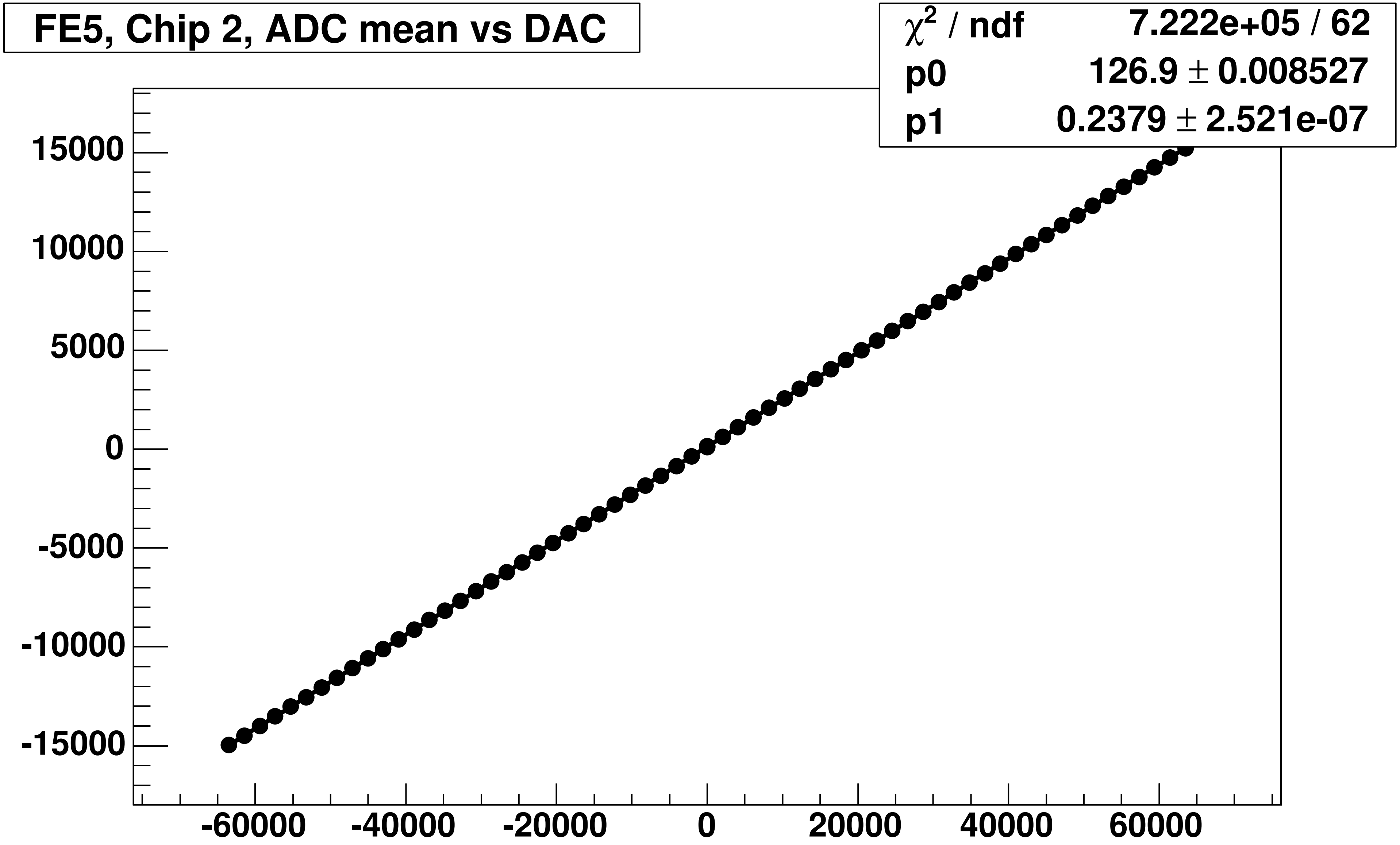


FE5, Chip 1, ADC mean vs DAC
χ^2 / ndf 7.583e+05 / 62
p0 96.12 ± 0.008595
p1 0.237 ± 2.528e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

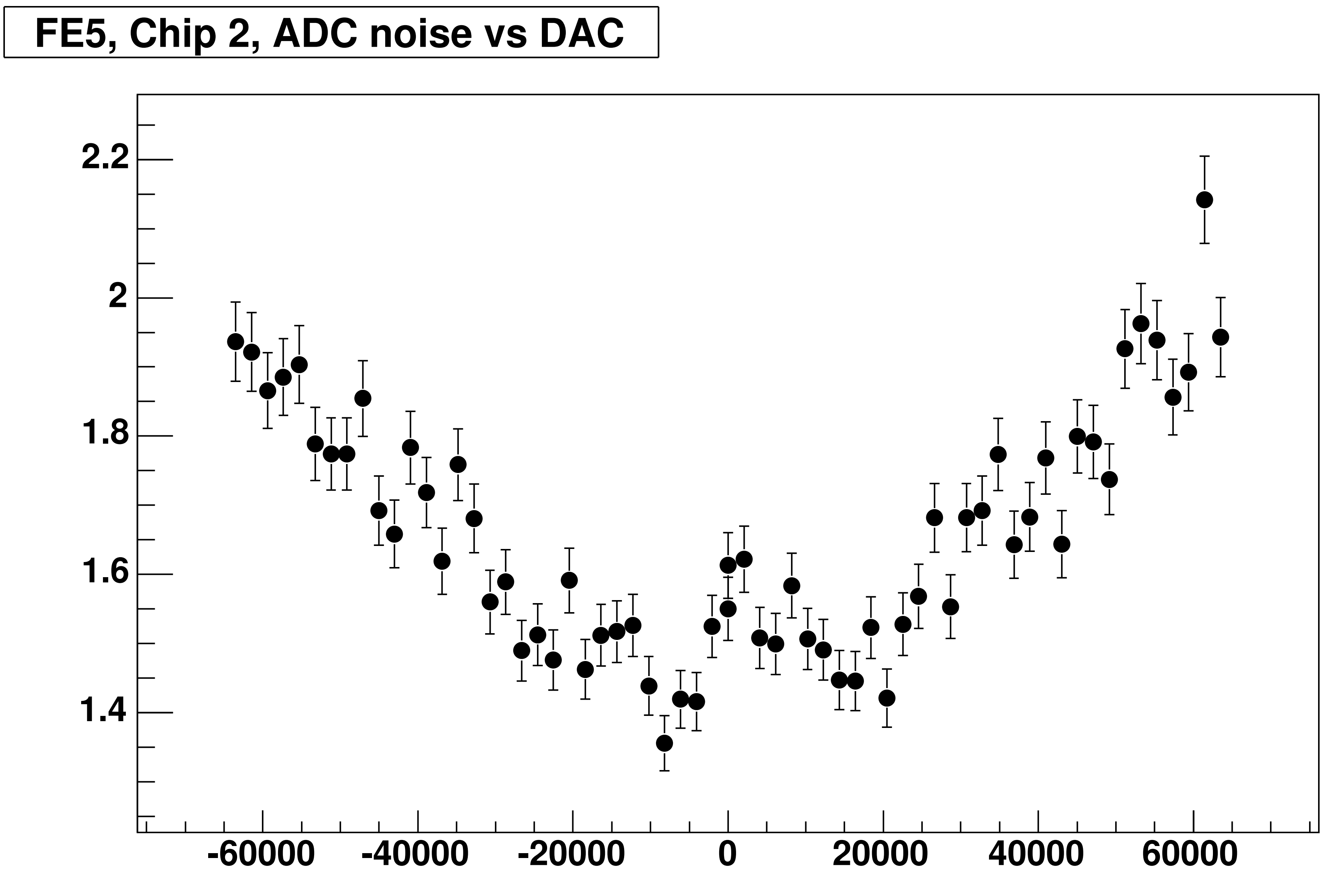

FE5, Chip 1, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000



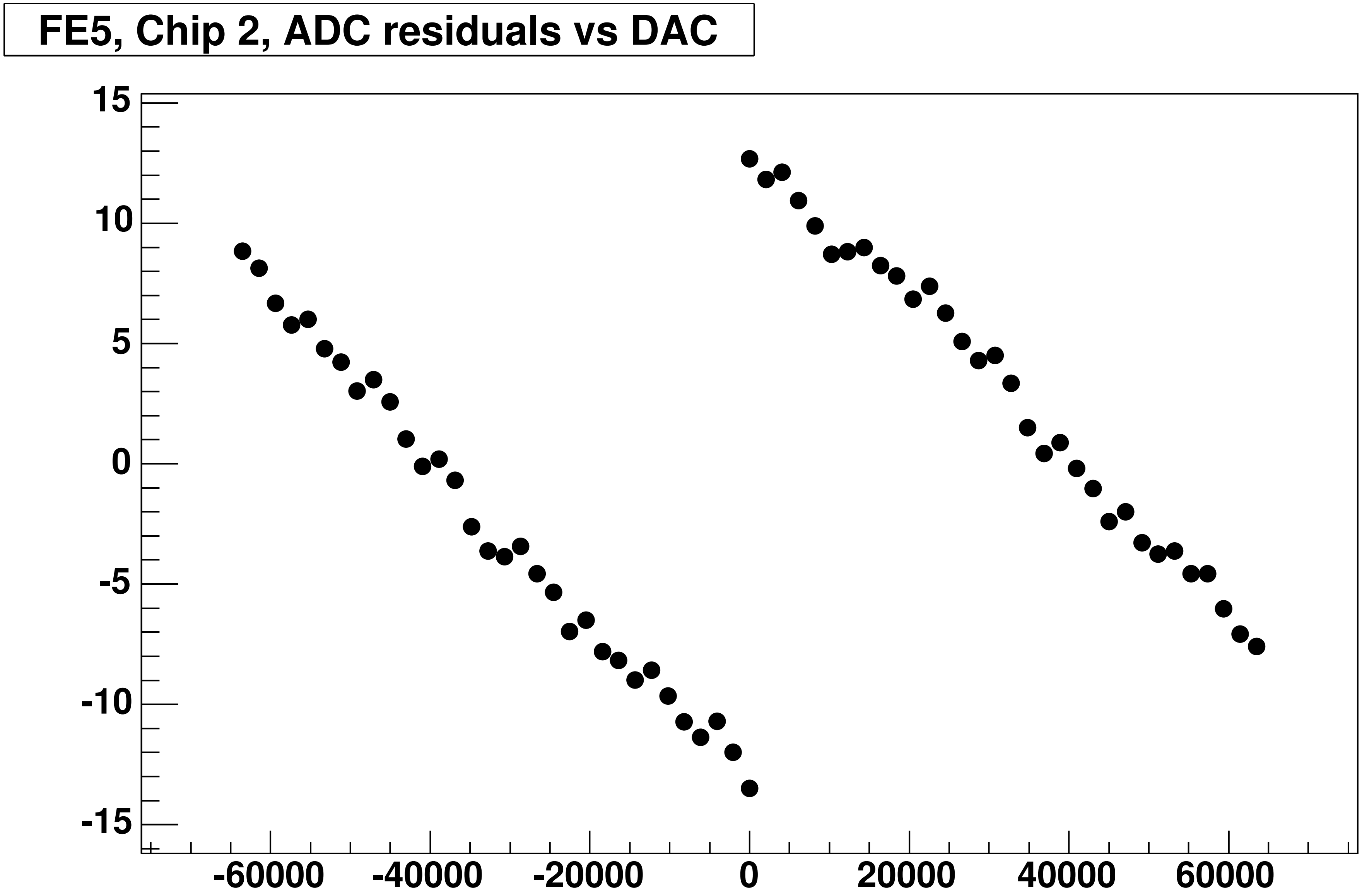
FE5, Chip 1, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000



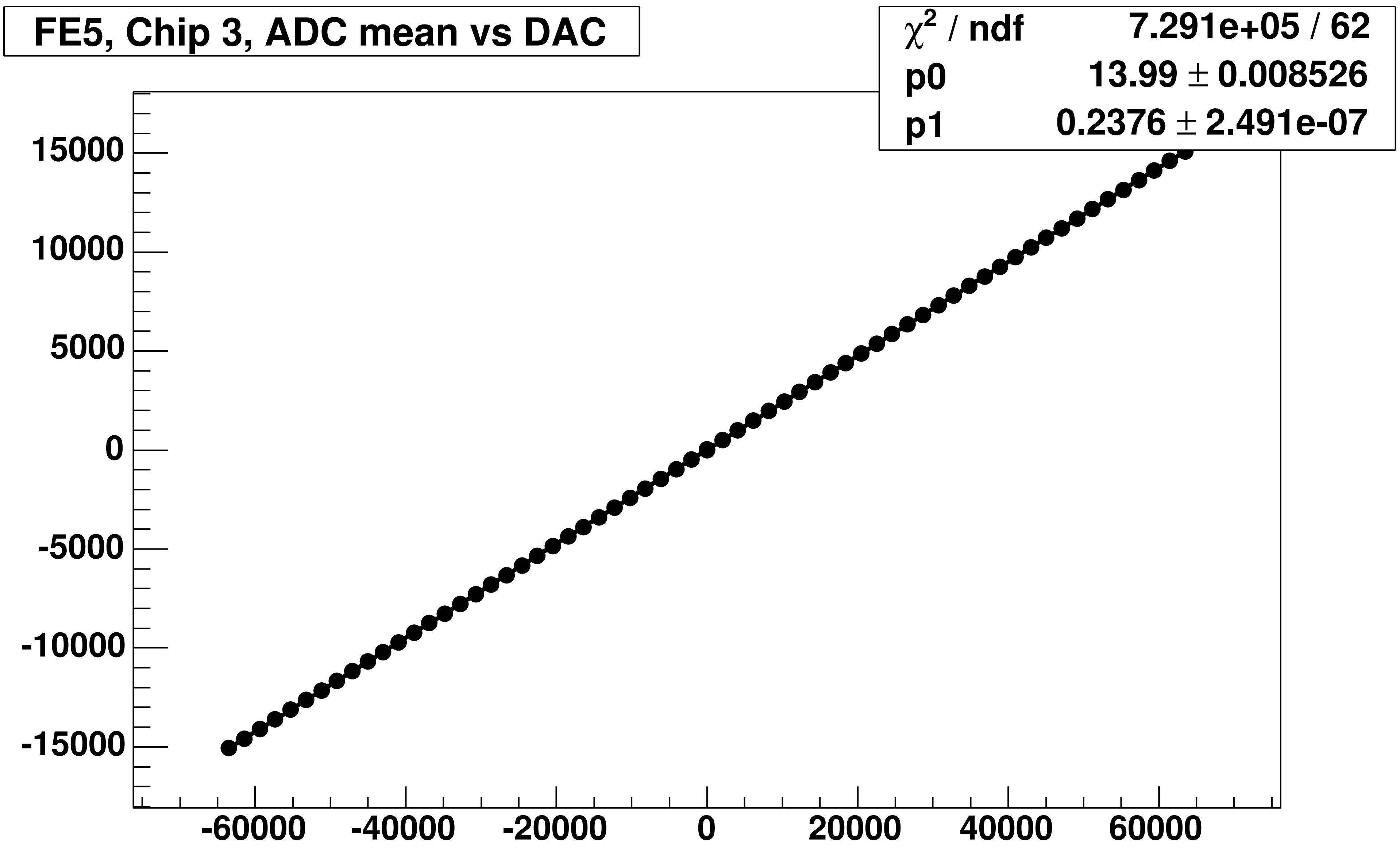
FE5, Chip 2, ADC mean vs DAC
χ2 / ndf 7.222e+05 / 62
p0 126.9 ± 0.008527
p1 0.2379 ± 2.521e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

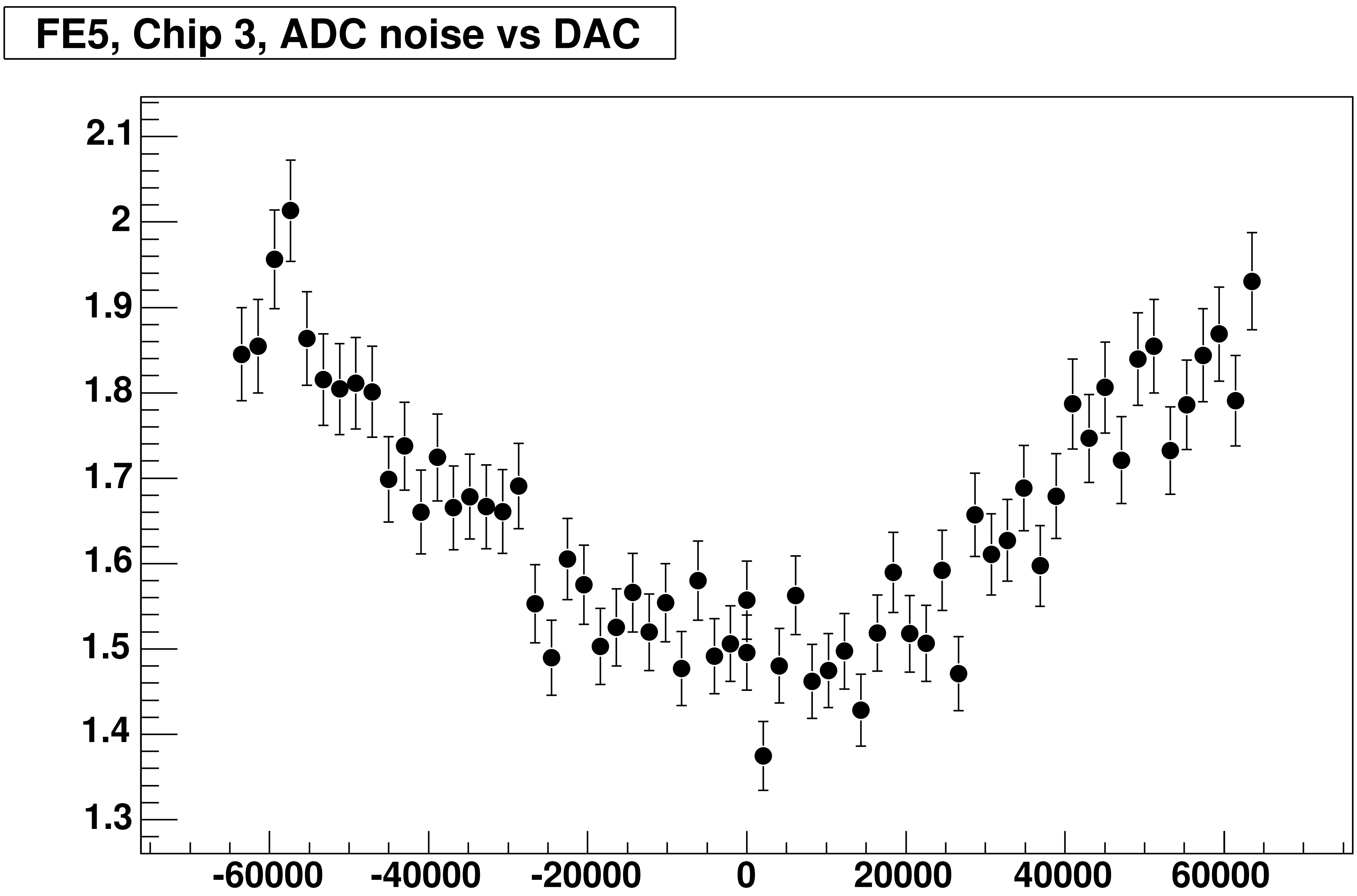


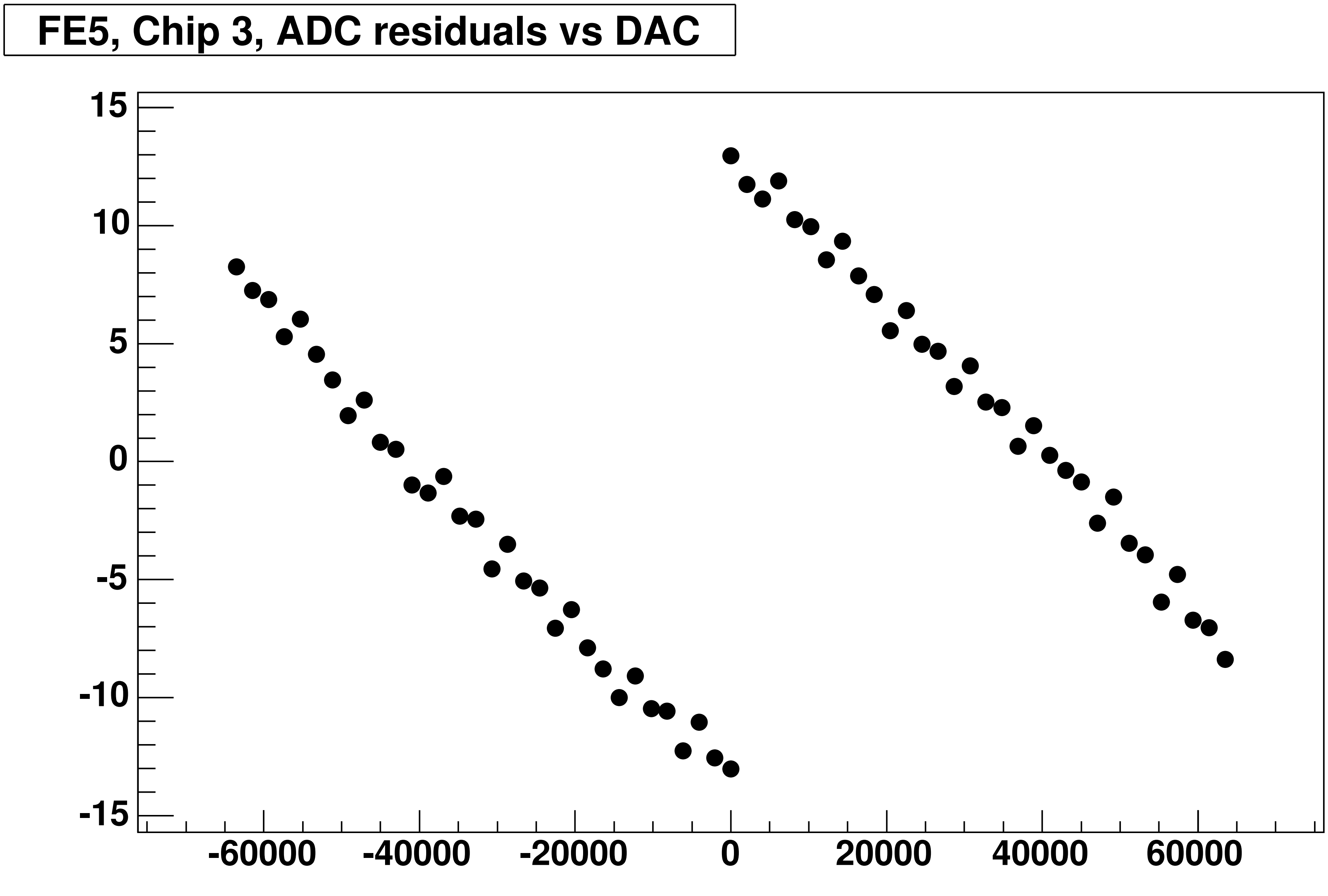
FE5, Chip 2, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000



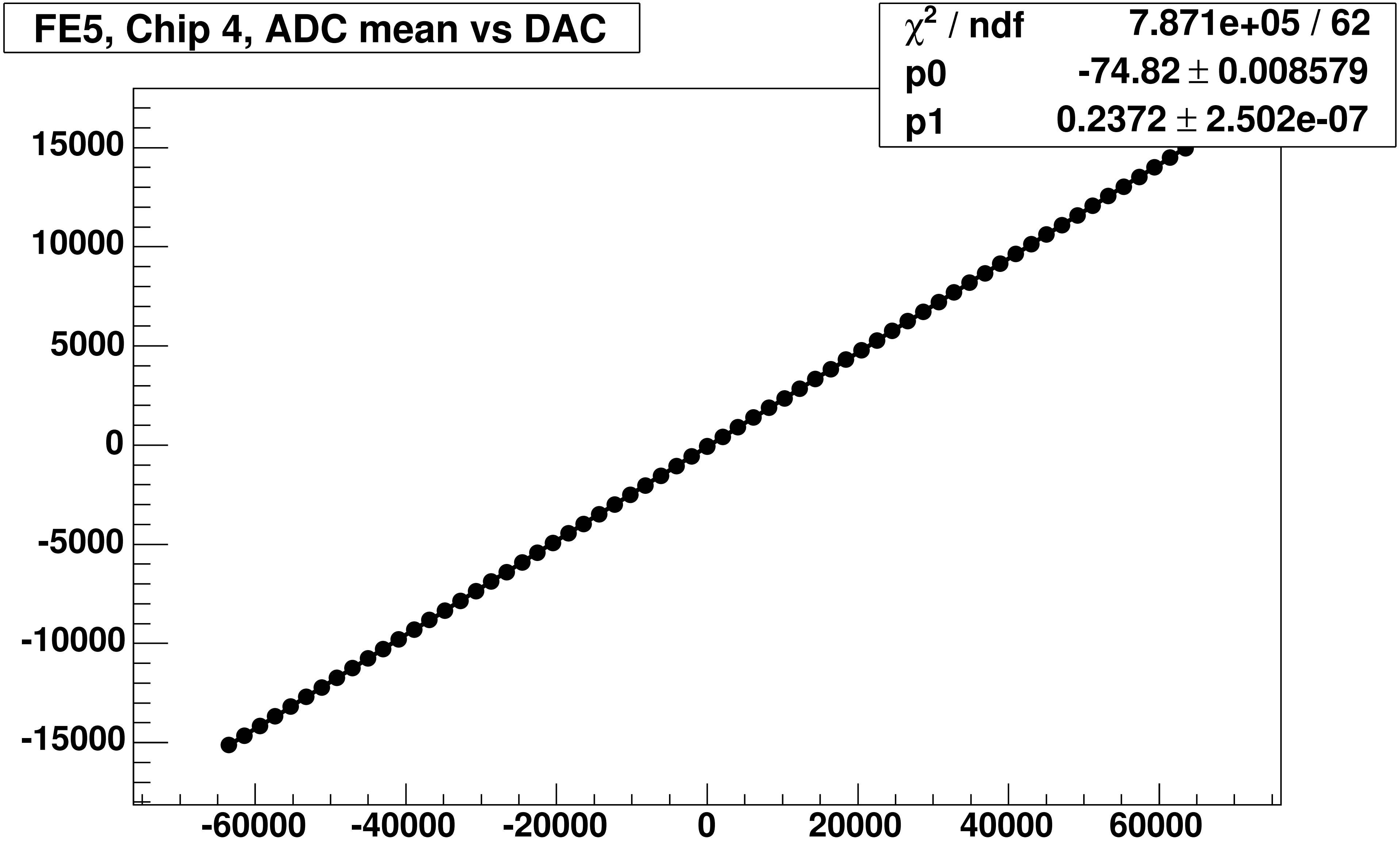
FE5, Chip 2, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 3, ADC mean vs DAC
χ² / ndf 7.291e+05 / 62
p0 13.99 ± 0.008526
p1 0.2376 ± 2.491e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

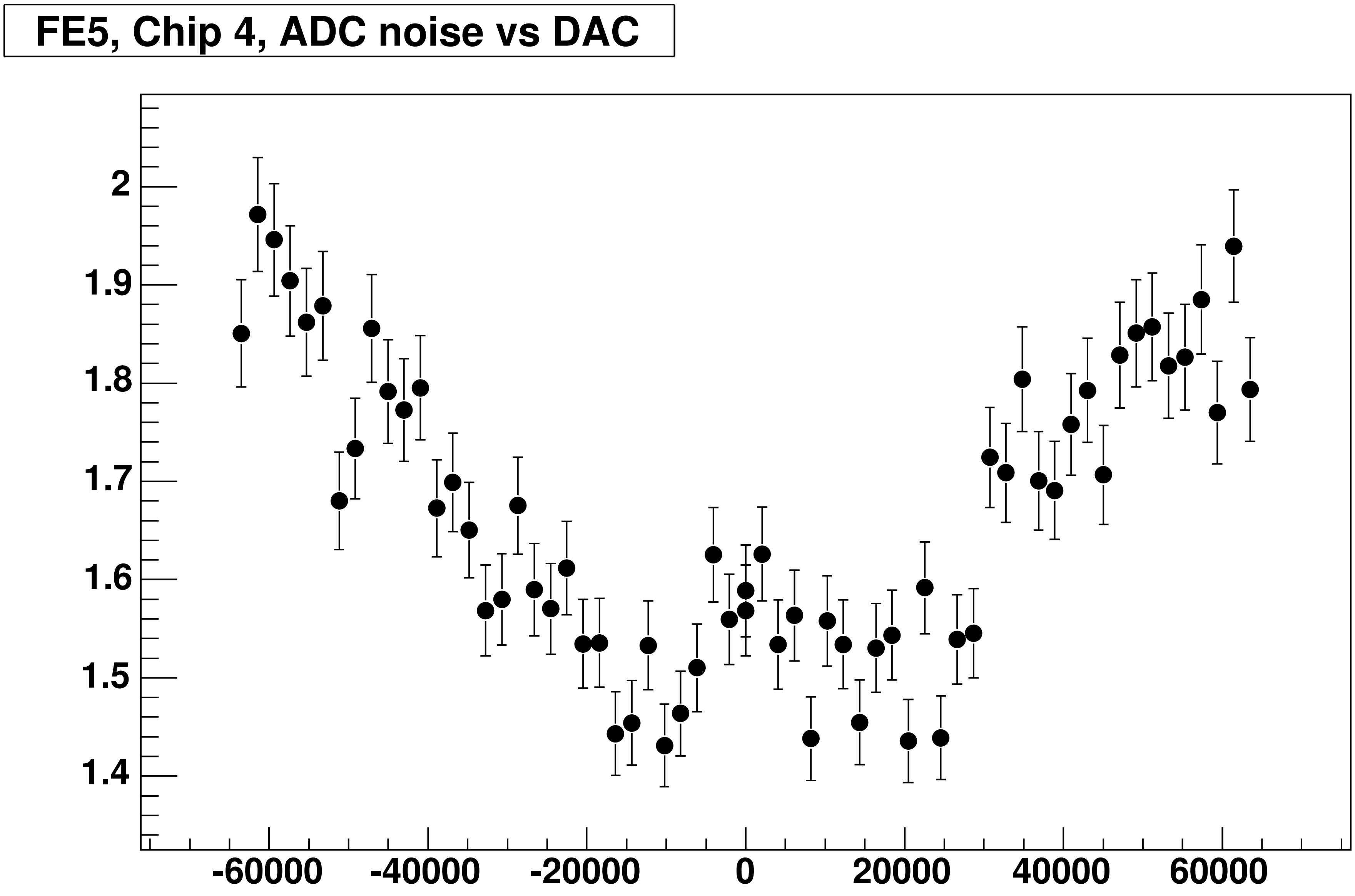

FE5, Chip 3, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

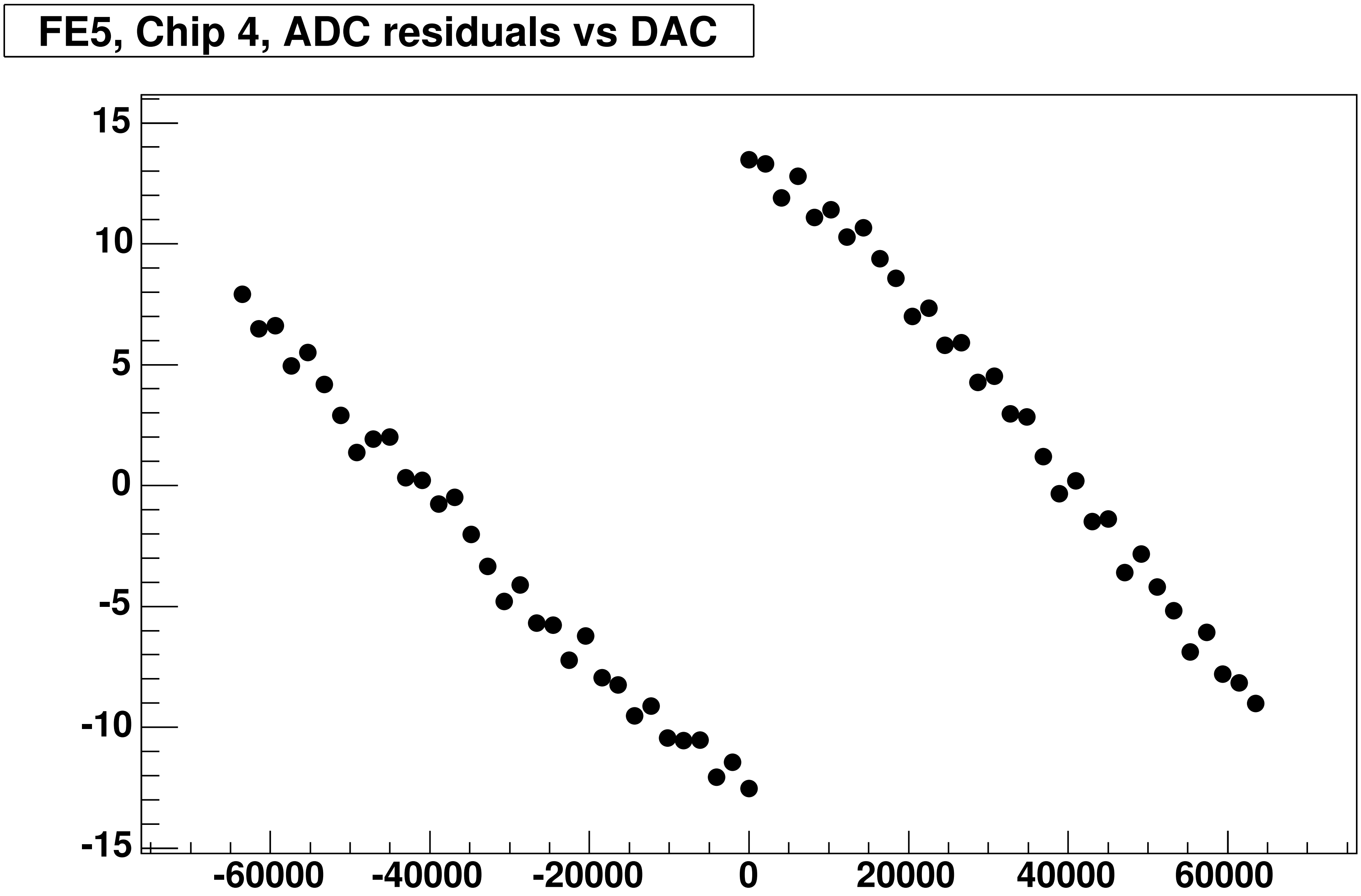


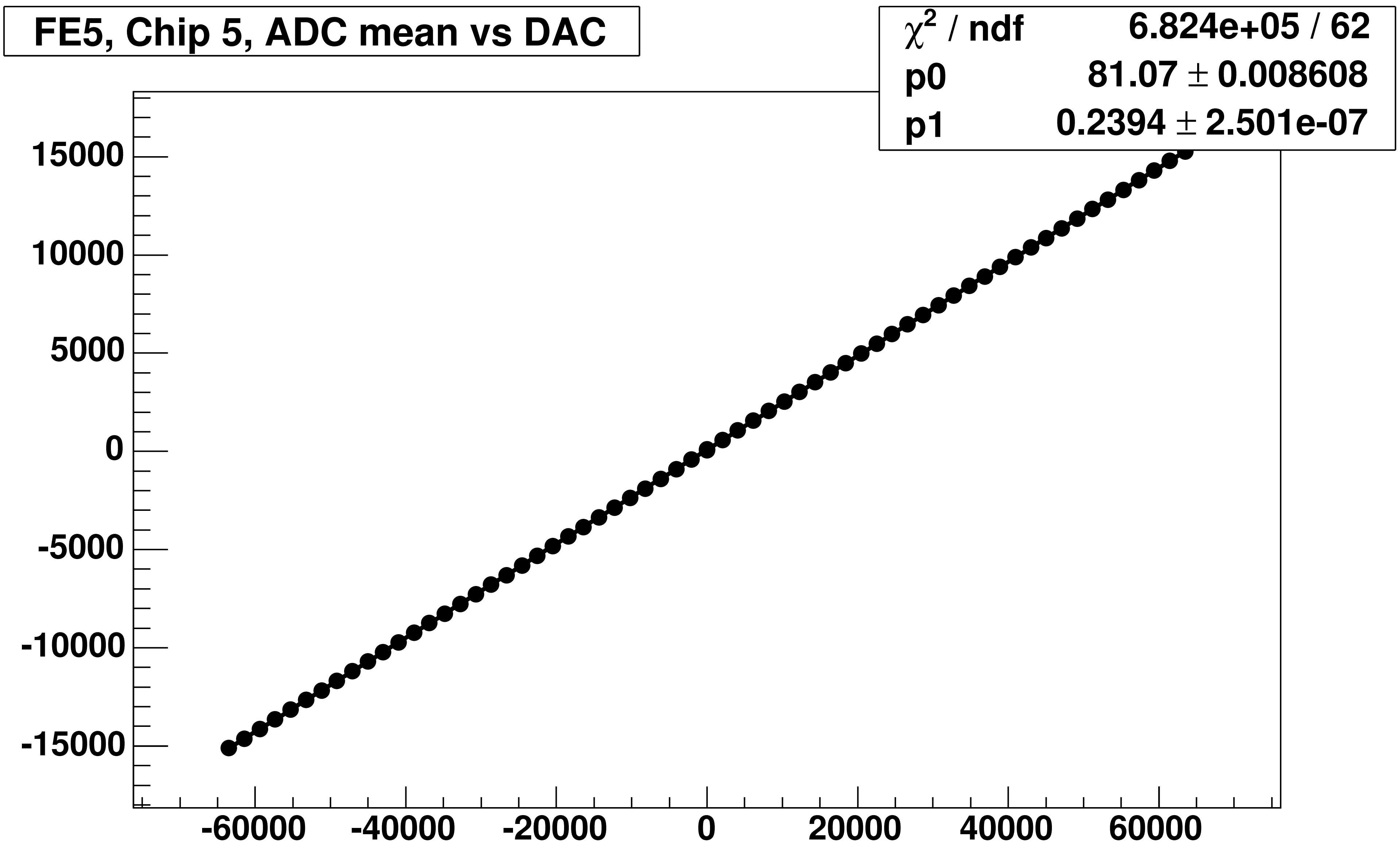
FE5, Chip 3, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



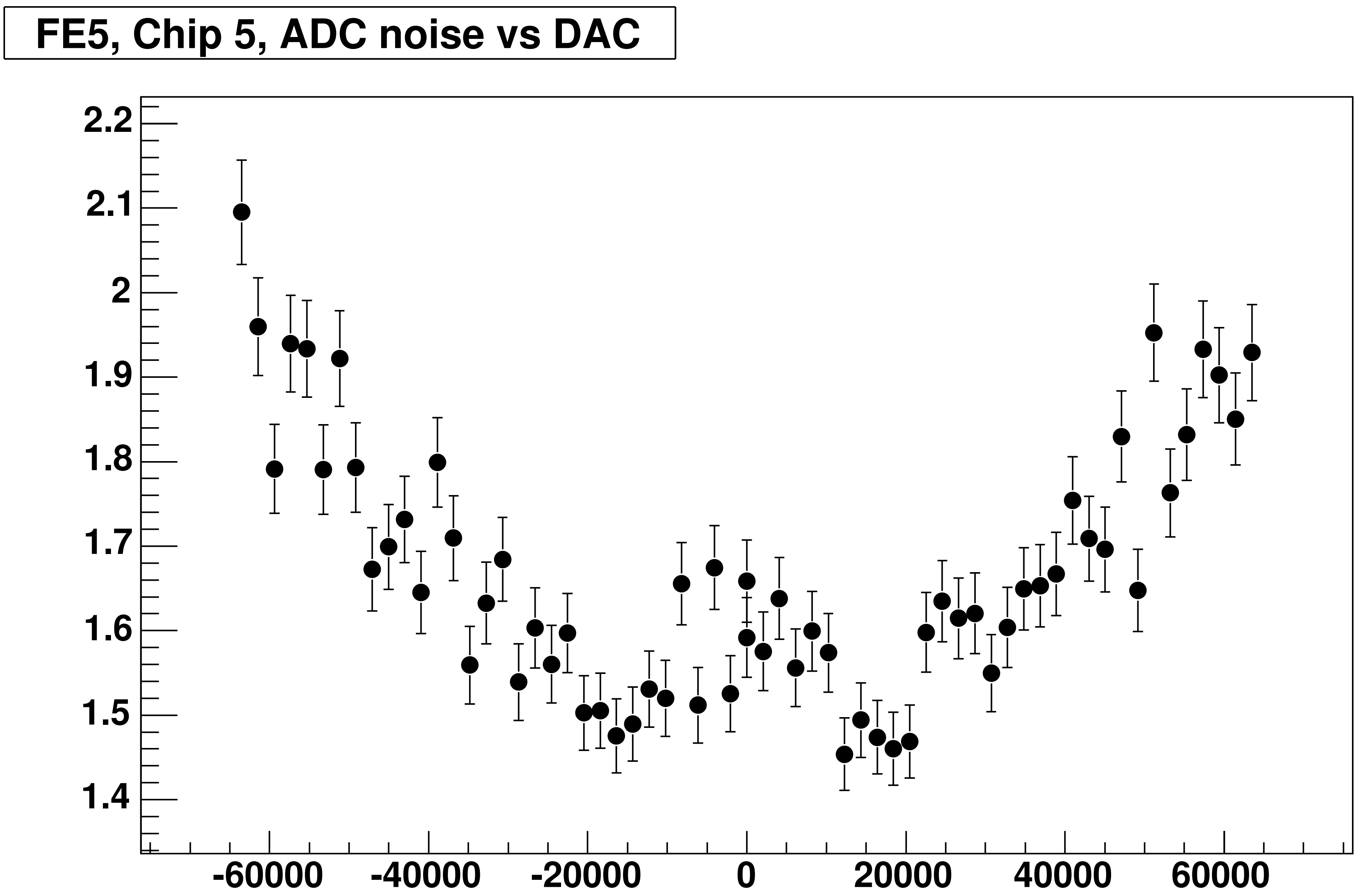
FE5, Chip 4, ADC mean vs DAC
χ^2 / ndf 7.871e+05 / 62
p0 -74.82 ± 0.008579
p1 0.2372 ± 2.502e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

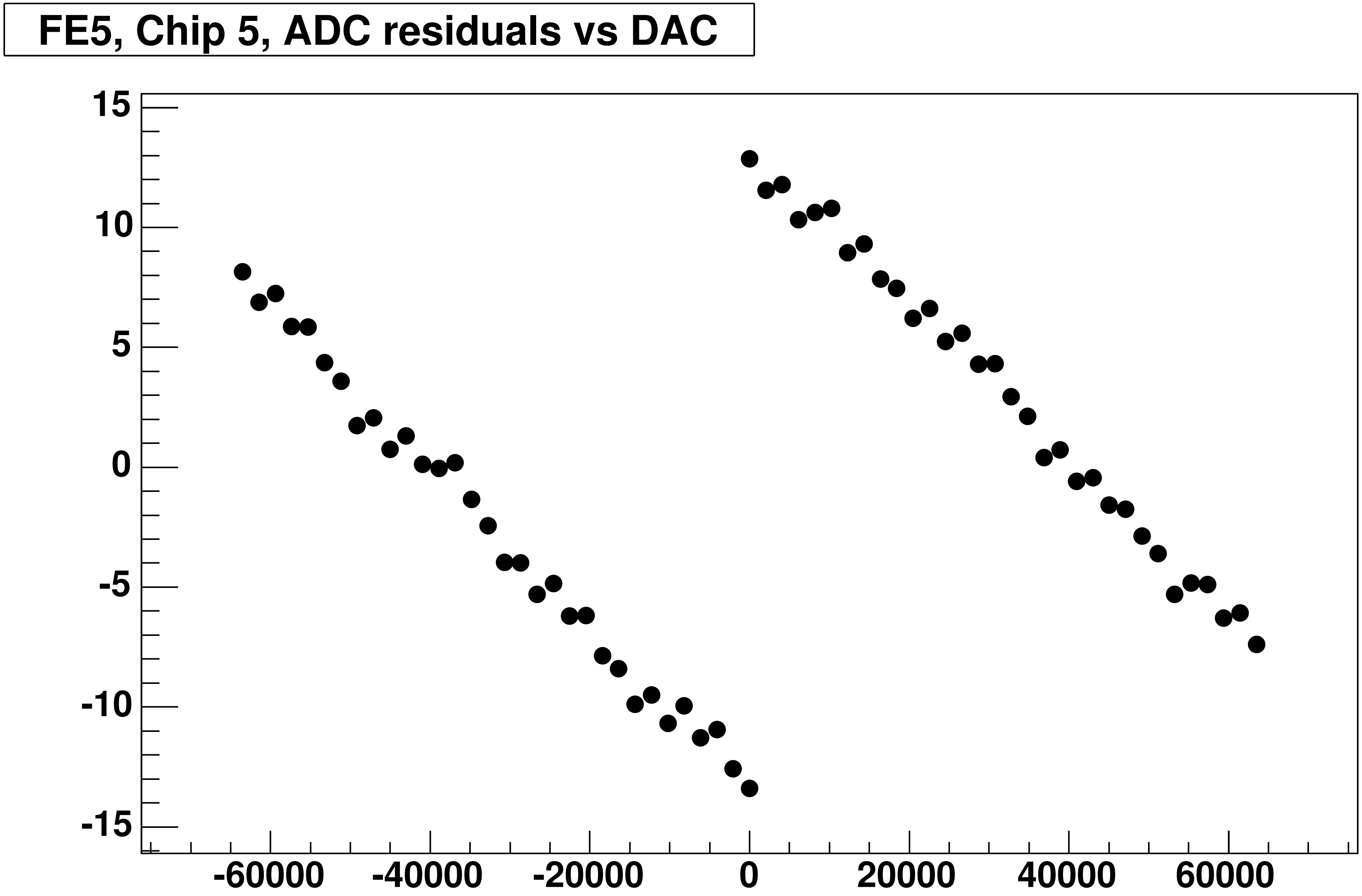

FE5, Chip 4, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

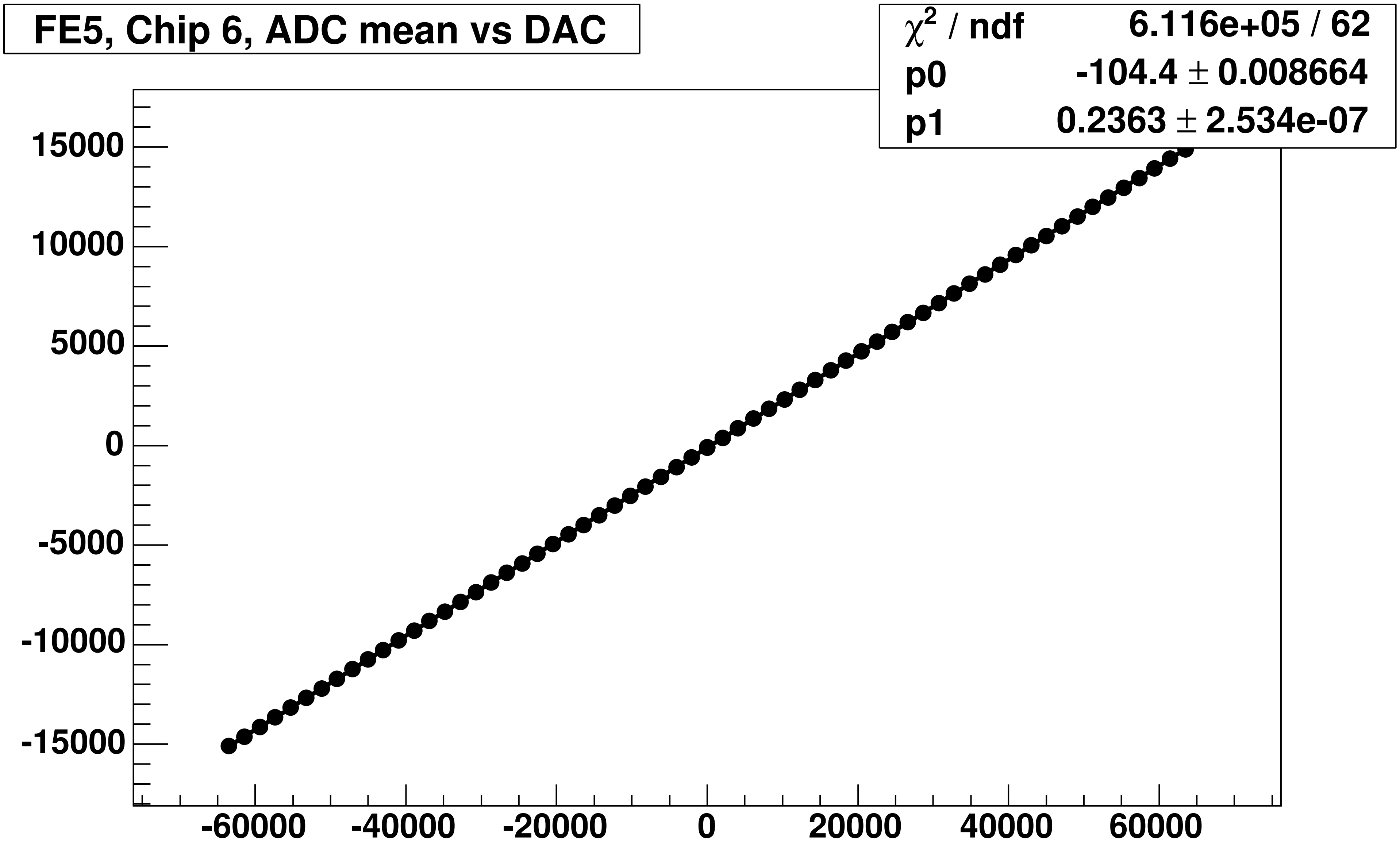

FE5, Chip 4, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



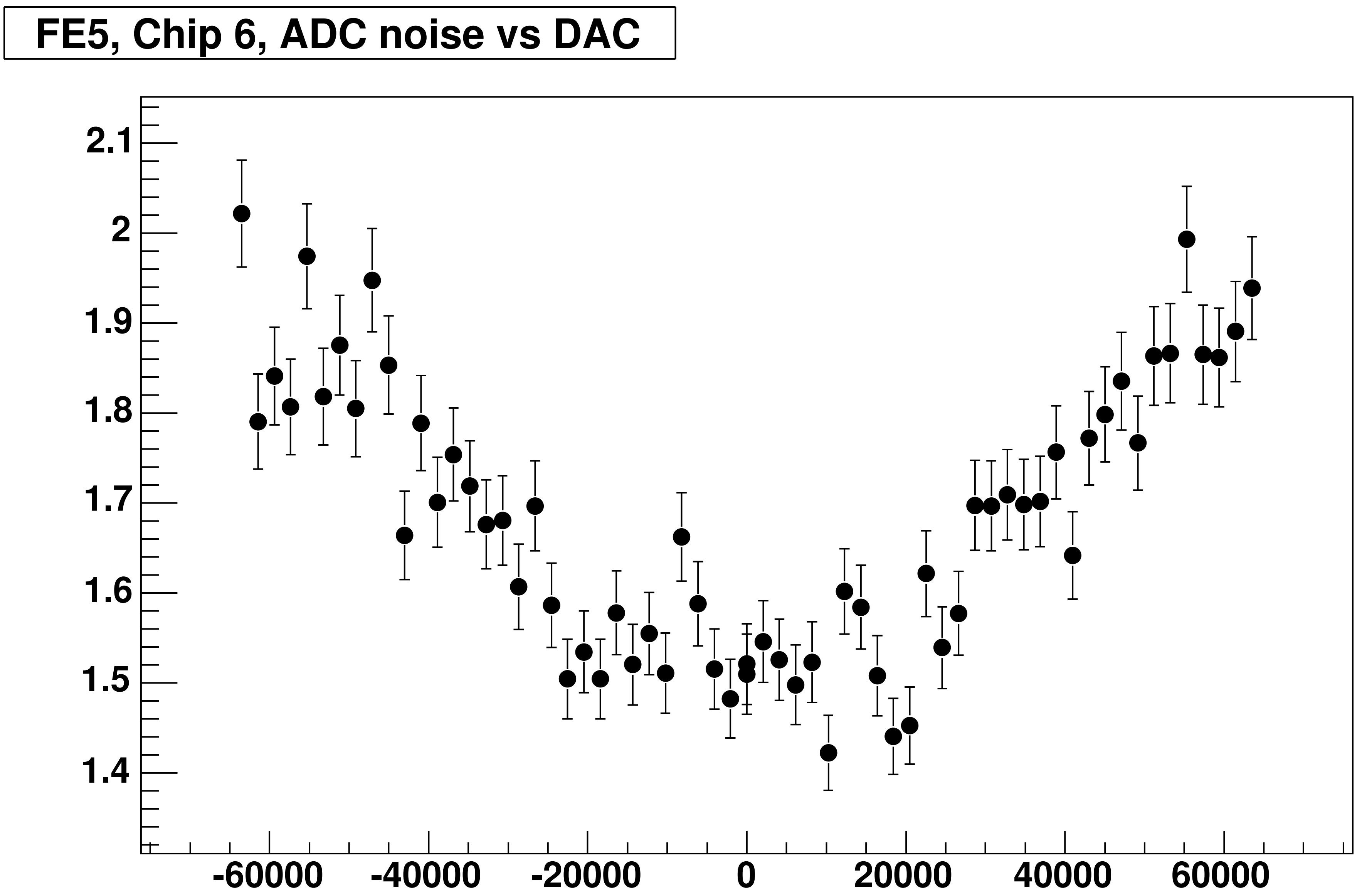
FE5, Chip 5, ADC mean vs DAC
χ² / ndf 6.824e+05 / 62
p0 81.07 ± 0.008608
p1 0.2394 ± 2.501e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

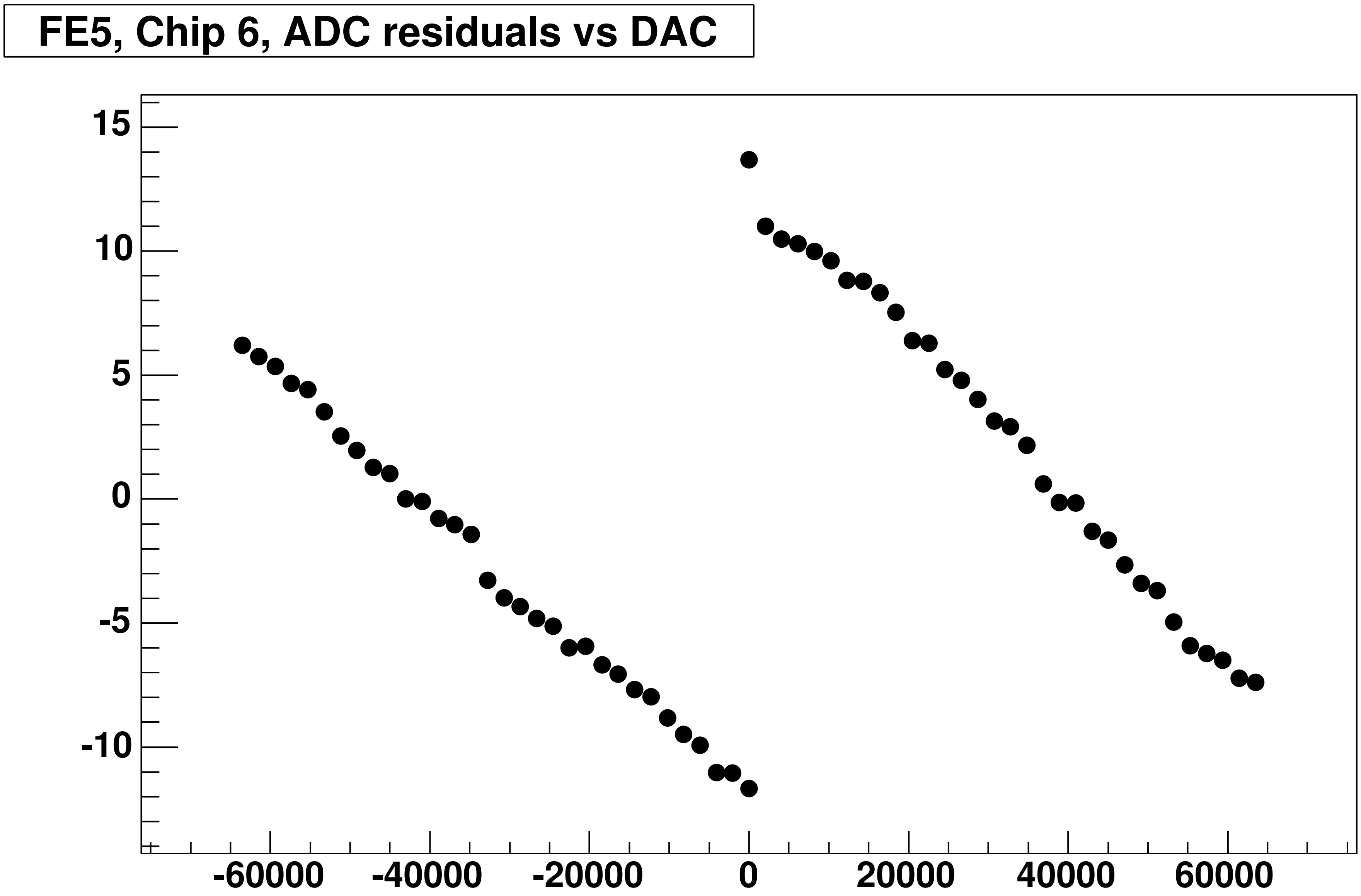

FE5, Chip 5, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

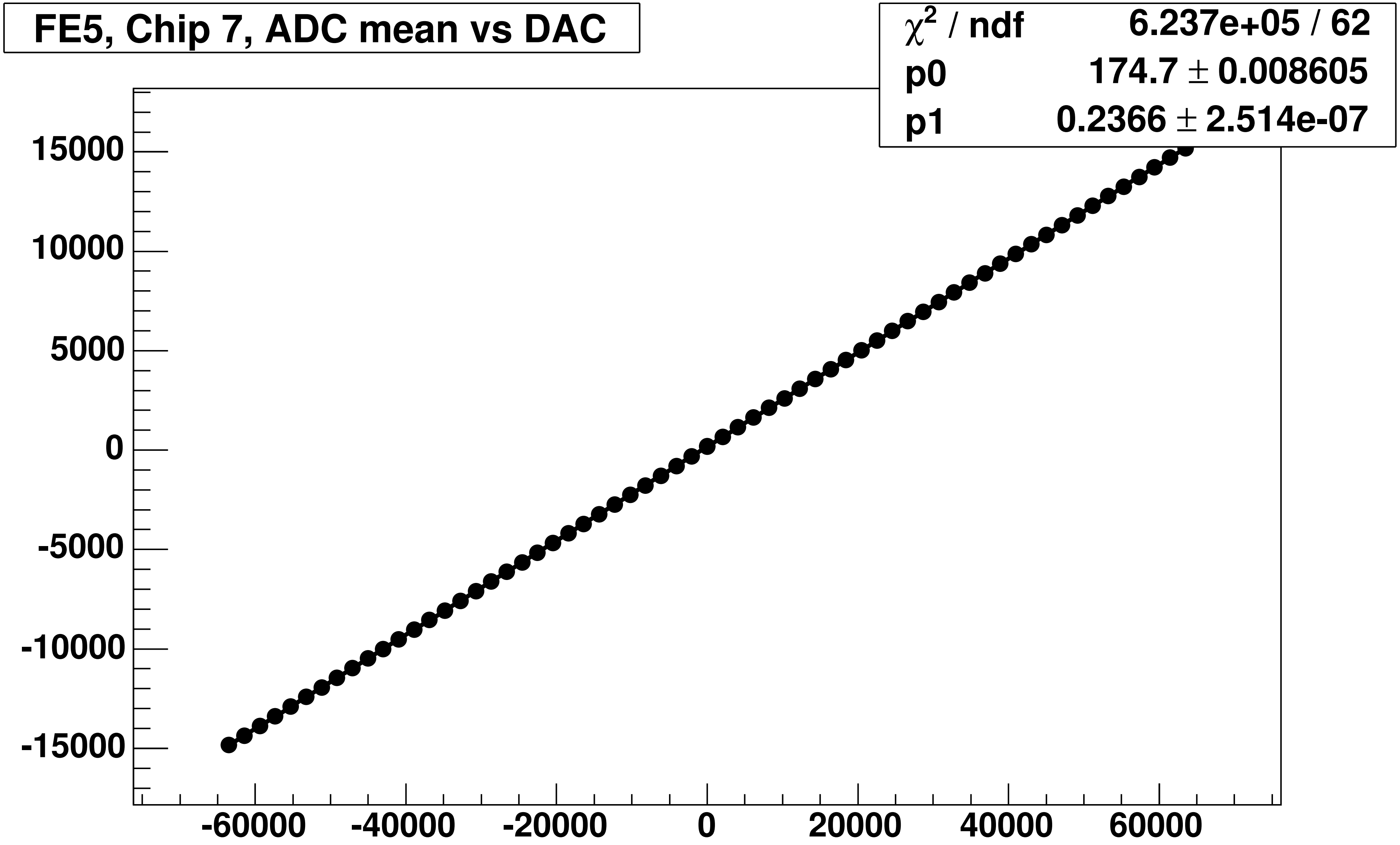

FE5, Chip 5, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



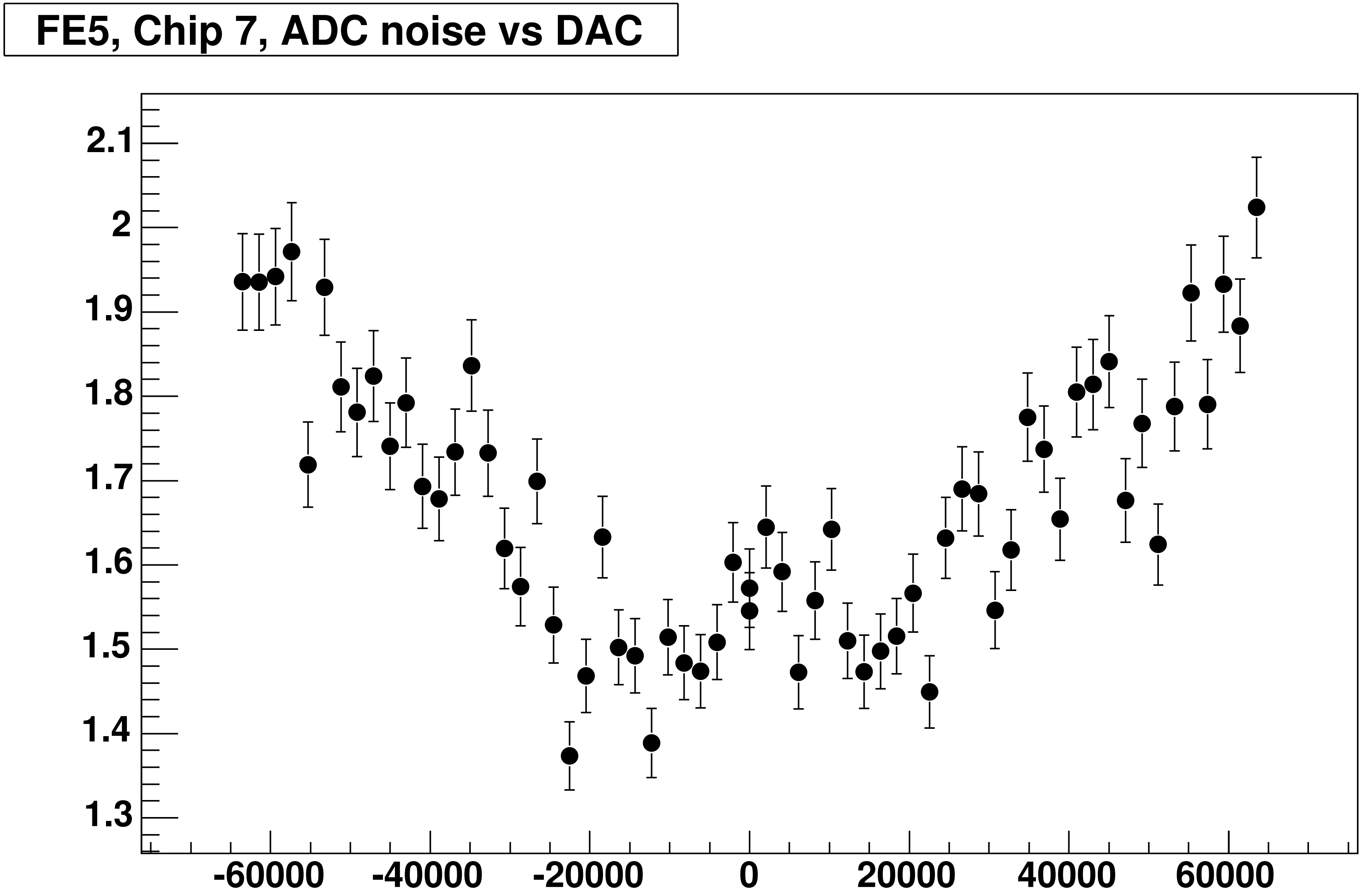
FE5, Chip 6, ADC mean vs DAC
χ² / ndf 6.116e+05 / 62
p0 -104.4 ± 0.008664
p1 0.2363 ± 2.534e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 6, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

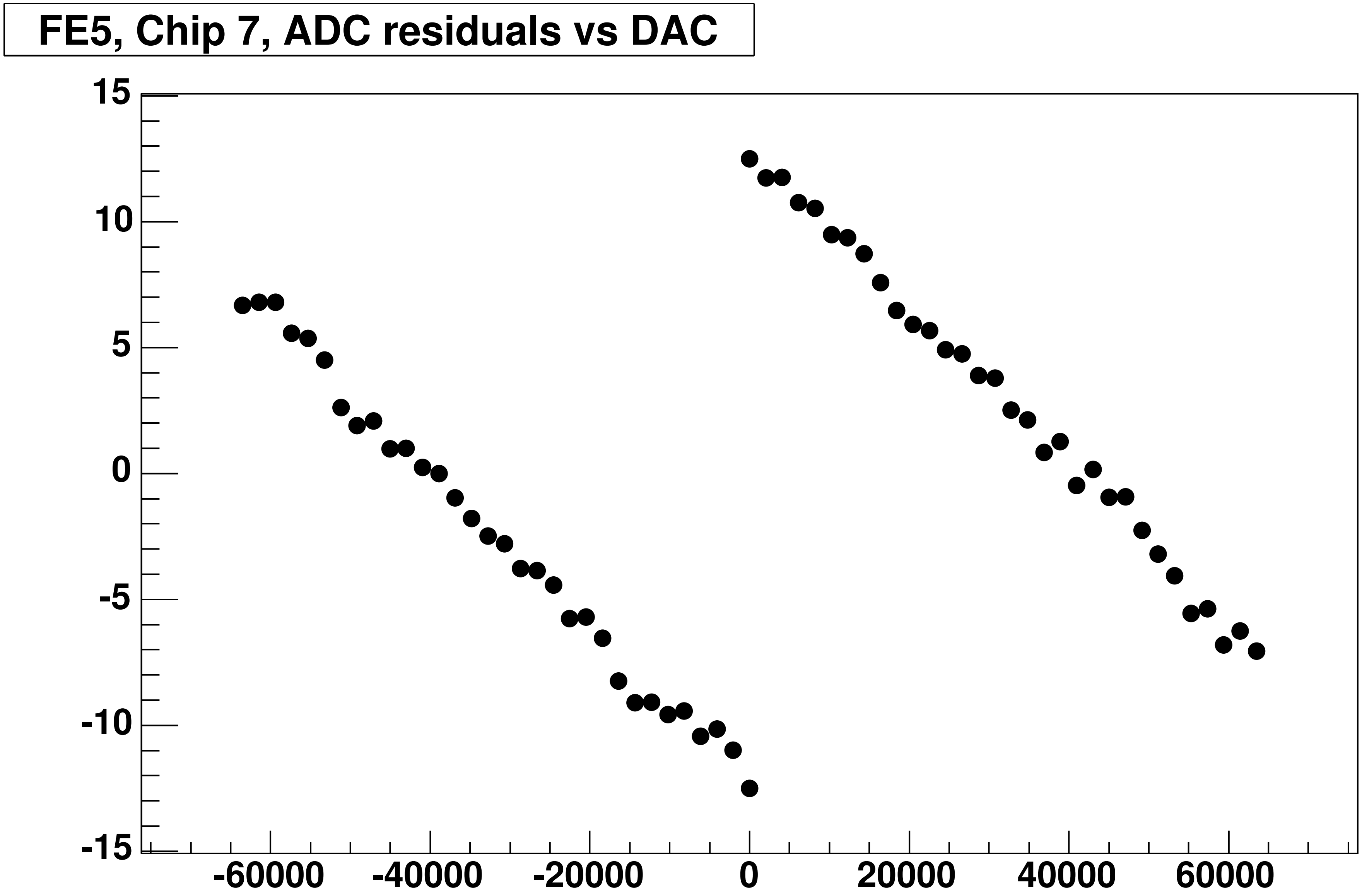

FE5, Chip 6, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000



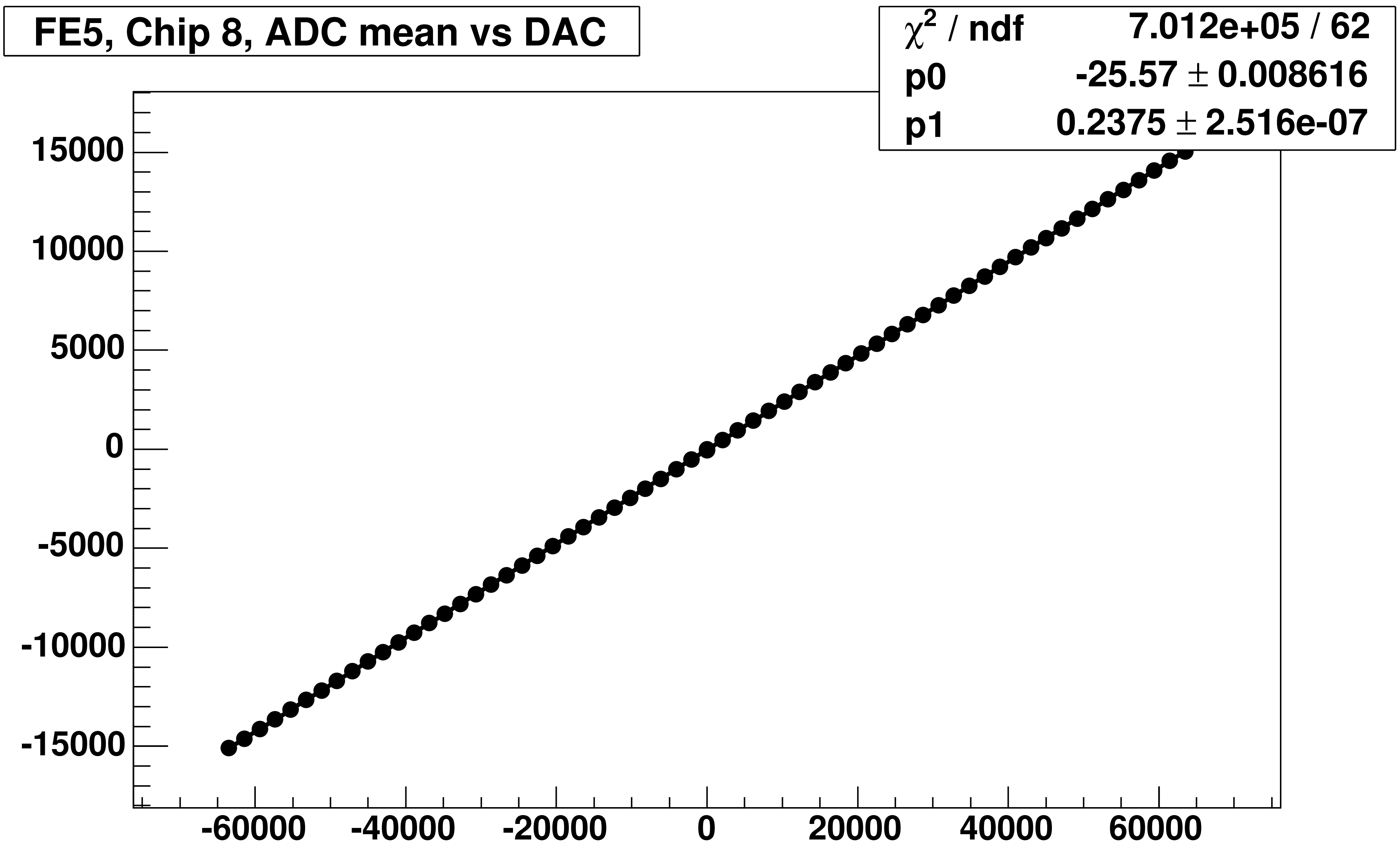
FE5, Chip 7, ADC mean vs DAC
χ2 / ndf 6.237e+05 / 62
p0 174.7 ± 0.008605
p1 0.2366 ± 2.514e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



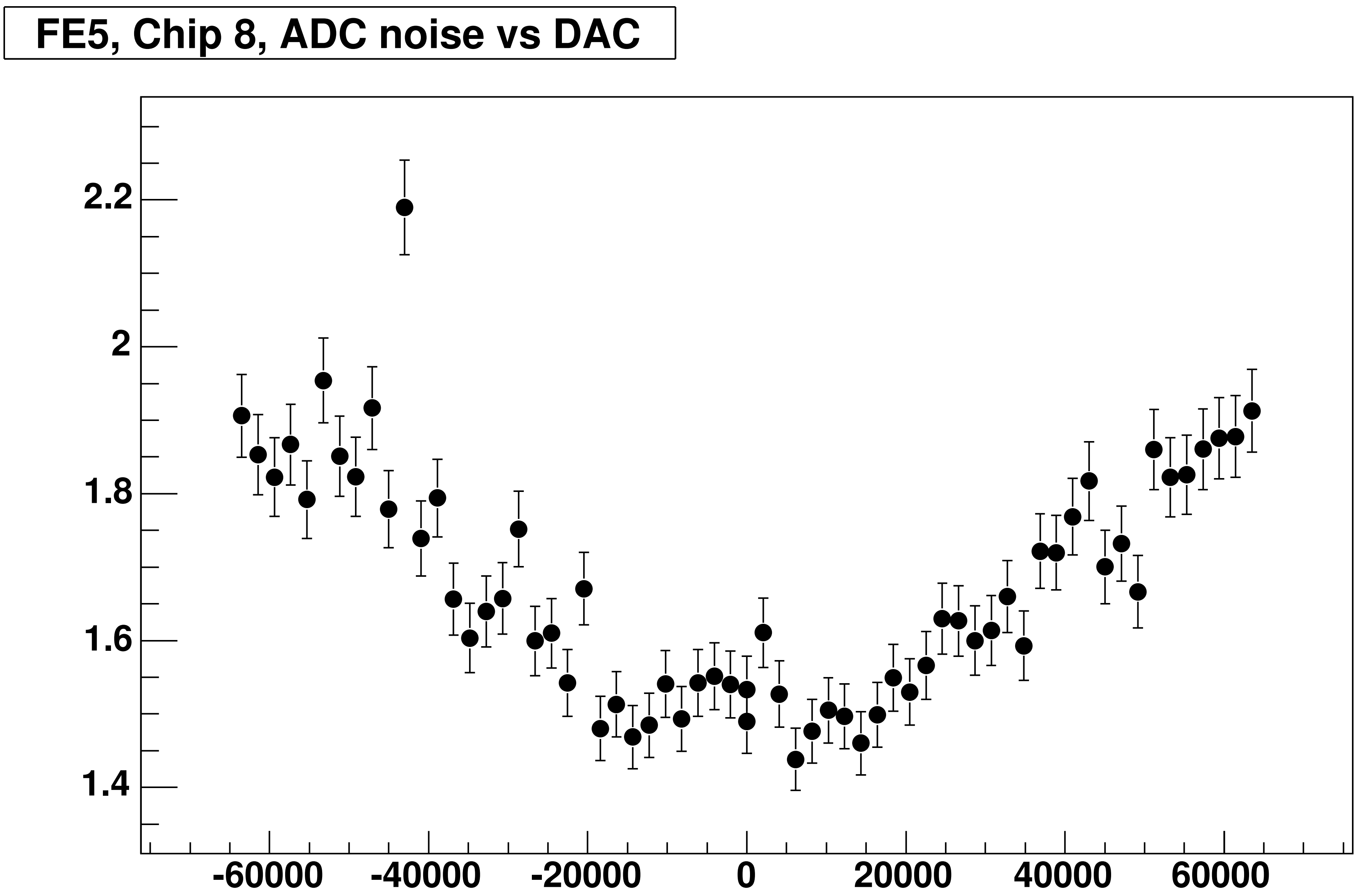
FE5, Chip 7, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

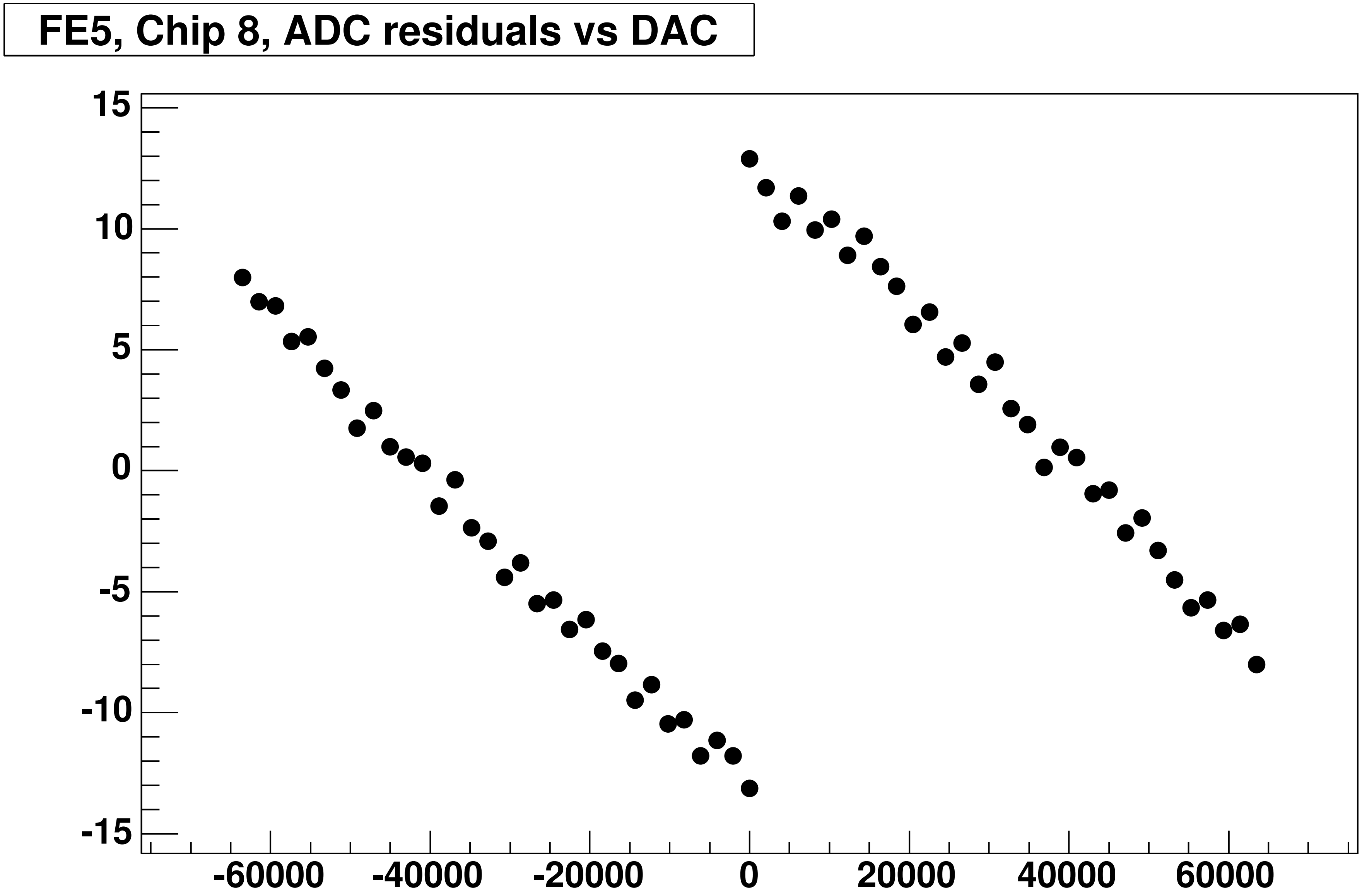


FE5, Chip 7, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

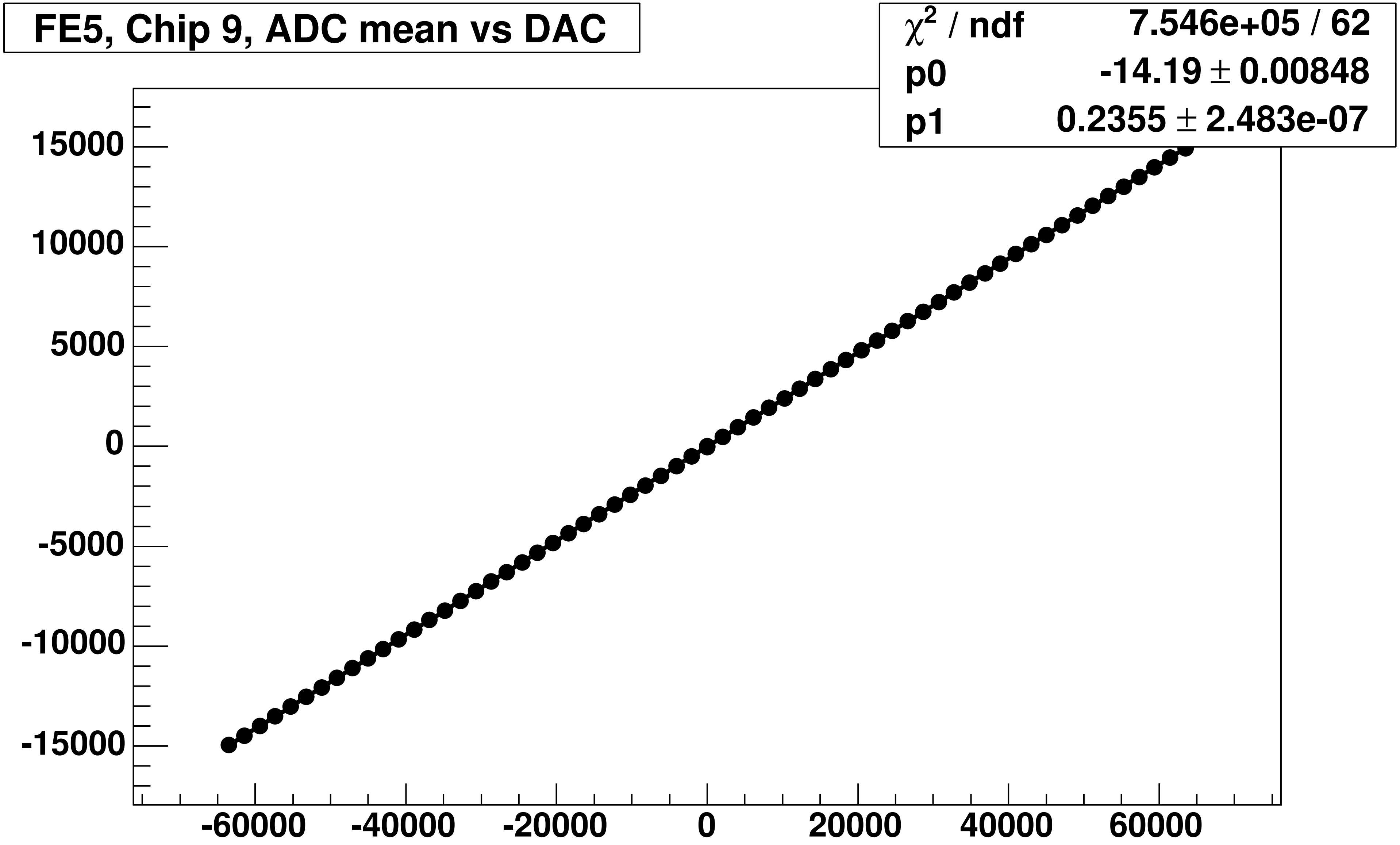


FE5, Chip 8, ADC mean vs DAC
χ^2 / ndf 7.012e+05 / 62
p0 -25.57 ± 0.008616
p1 0.2375 ± 2.516e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

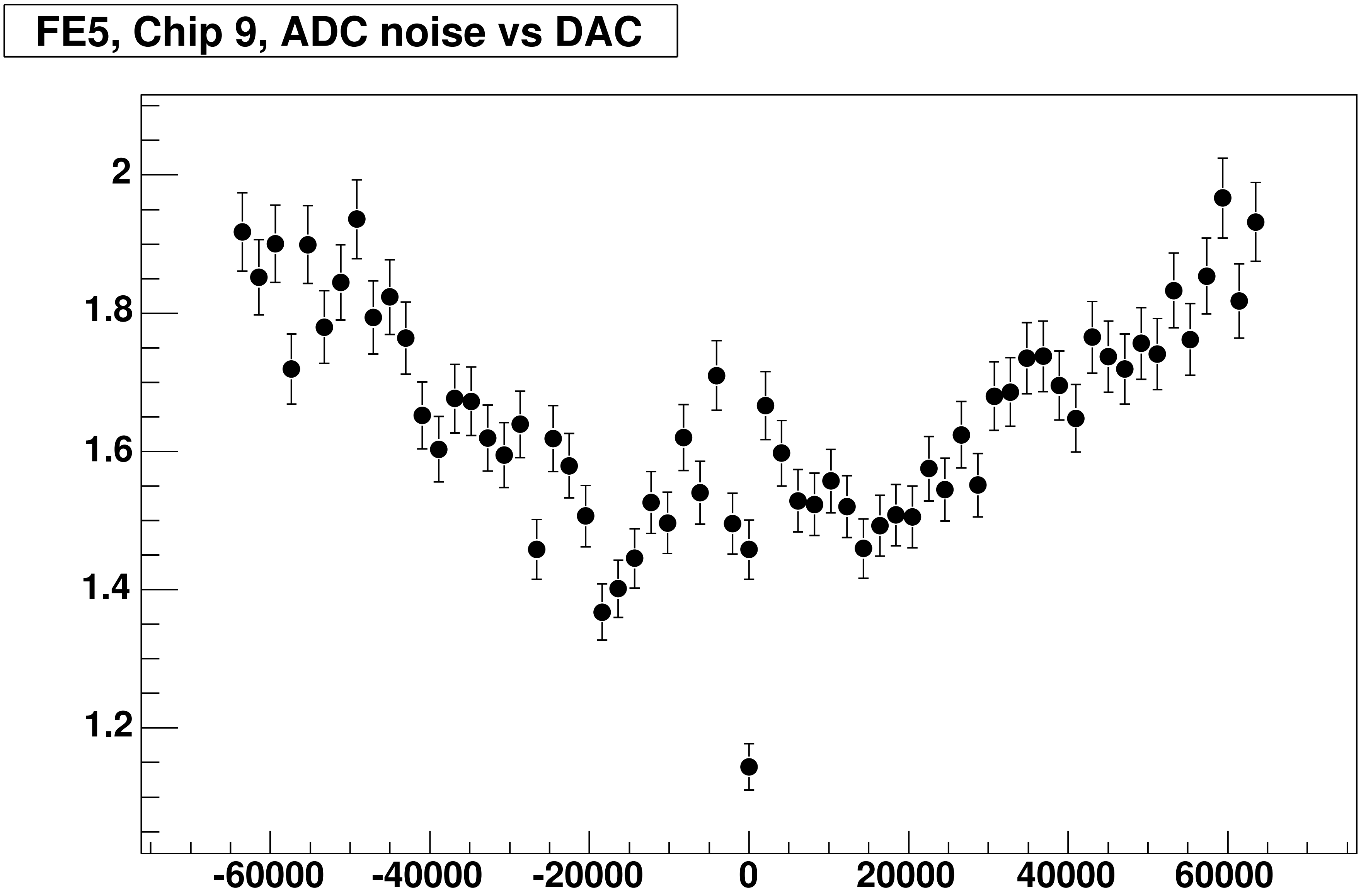

FE5, Chip 8, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

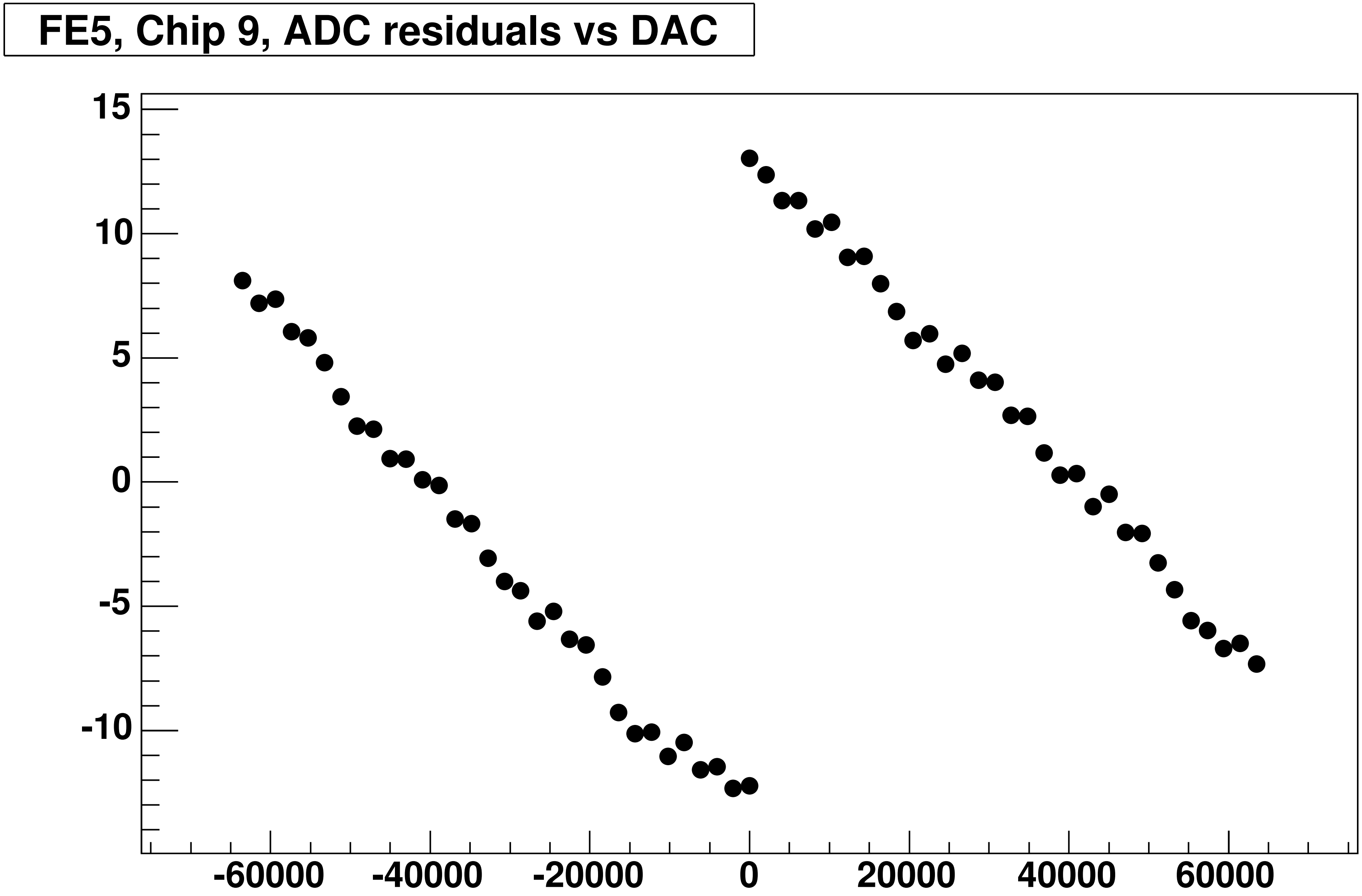


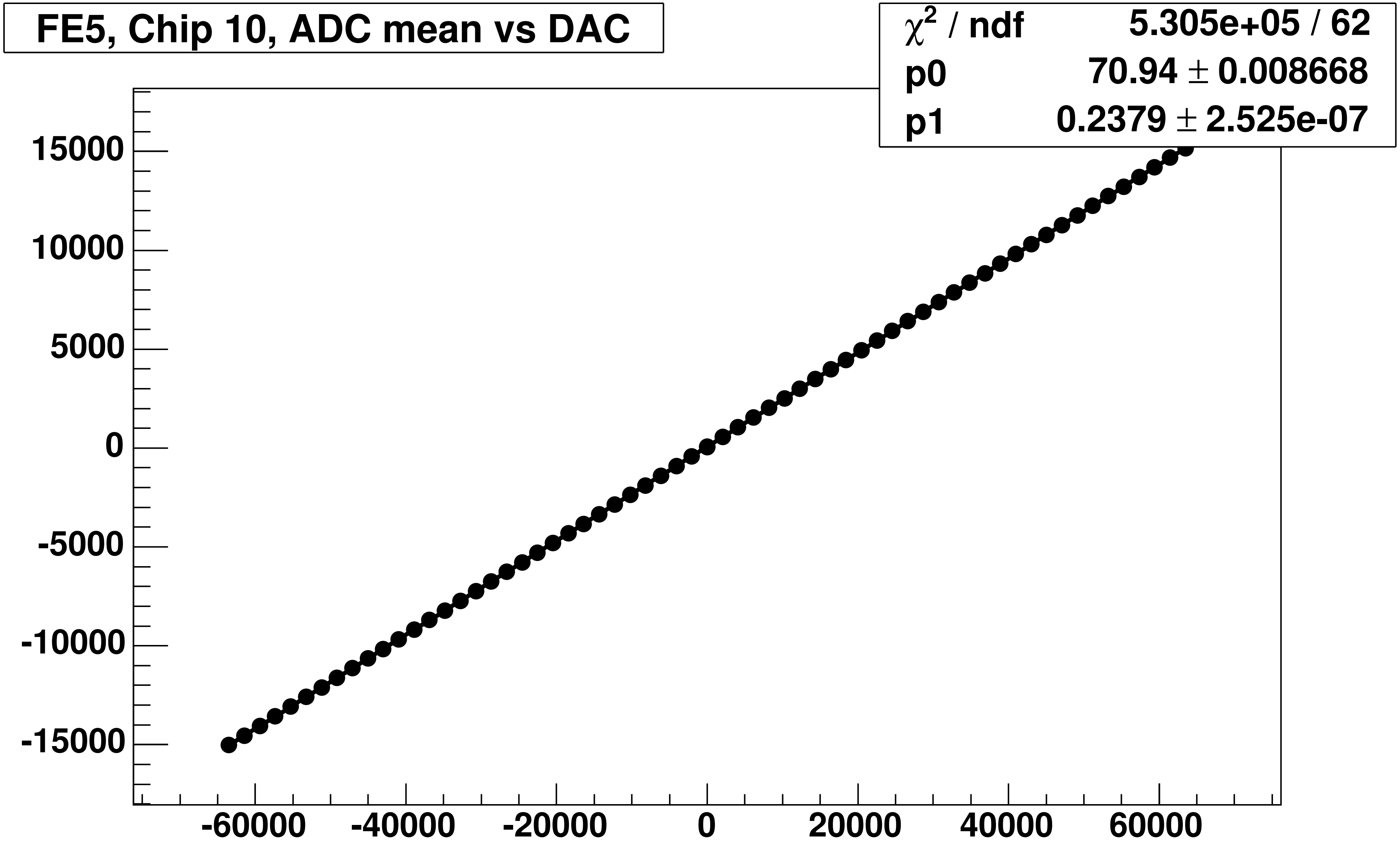
FE5, Chip 8, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



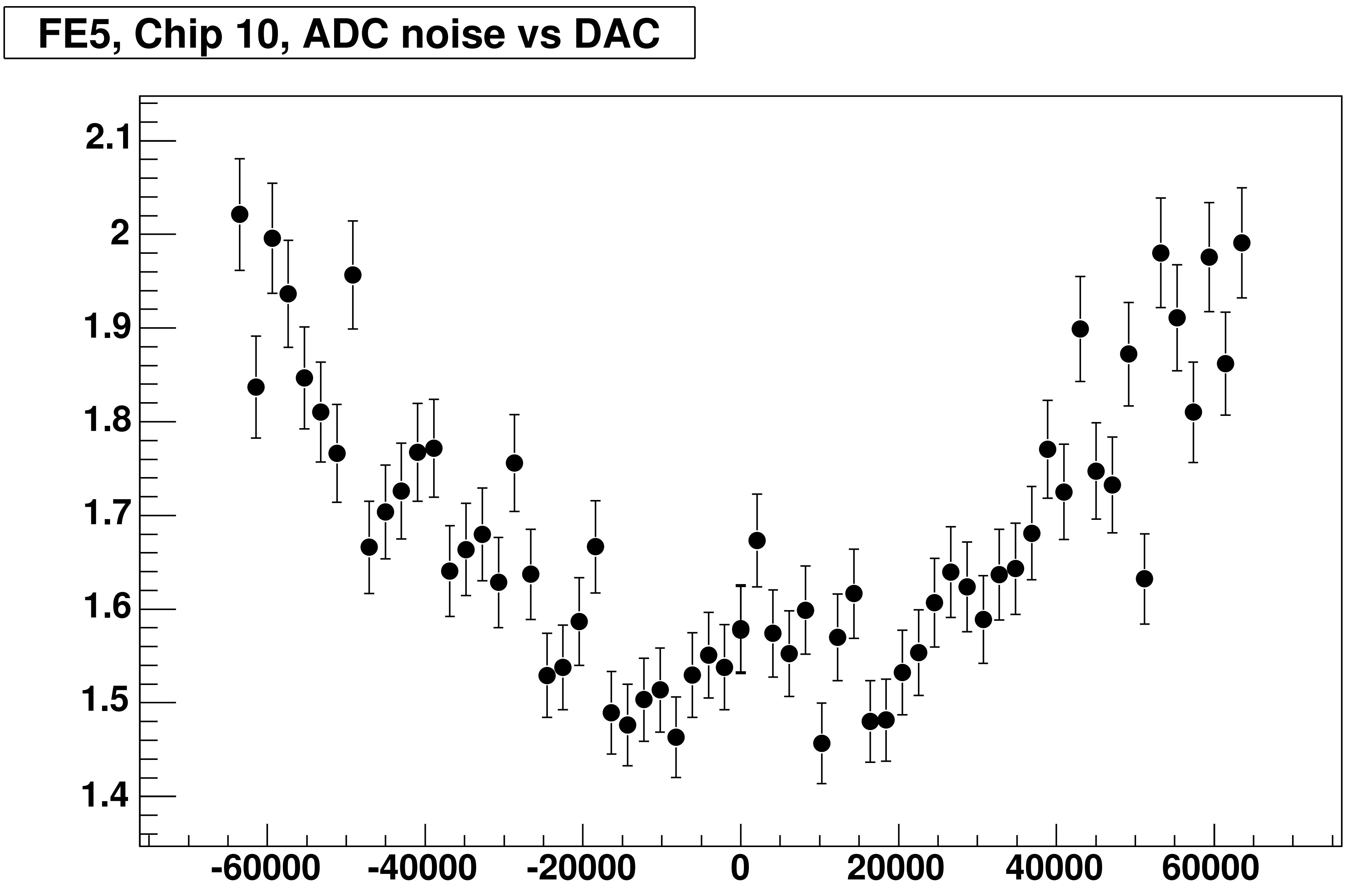
FE5, Chip 9, ADC mean vs DAC
χ^2 / ndf 7.546e+05 / 62
p0 -14.19 ± 0.00848
p1 0.2355 ± 2.483e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

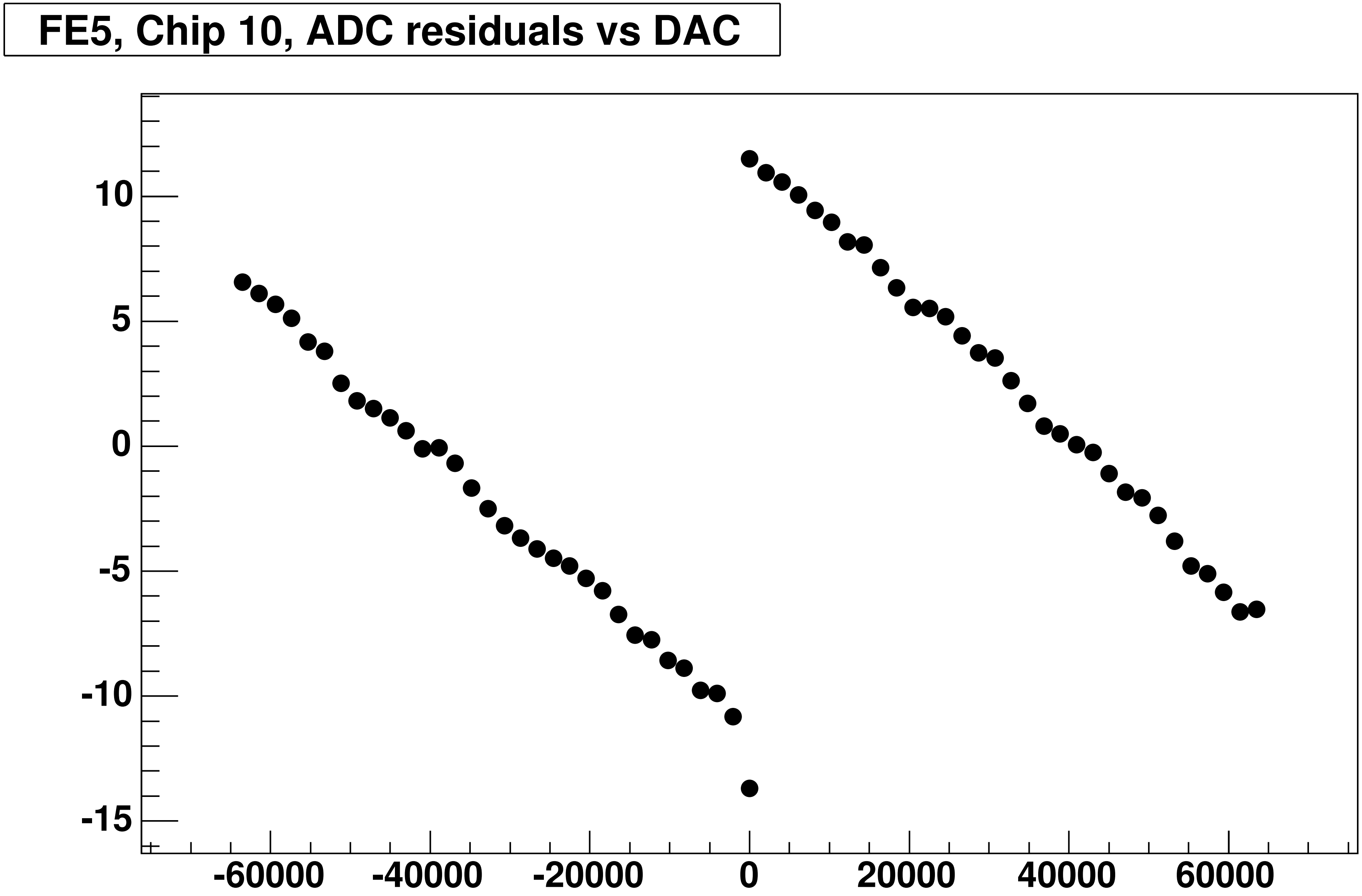

FE5, Chip 9, ADC noise vs DAC
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 9, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

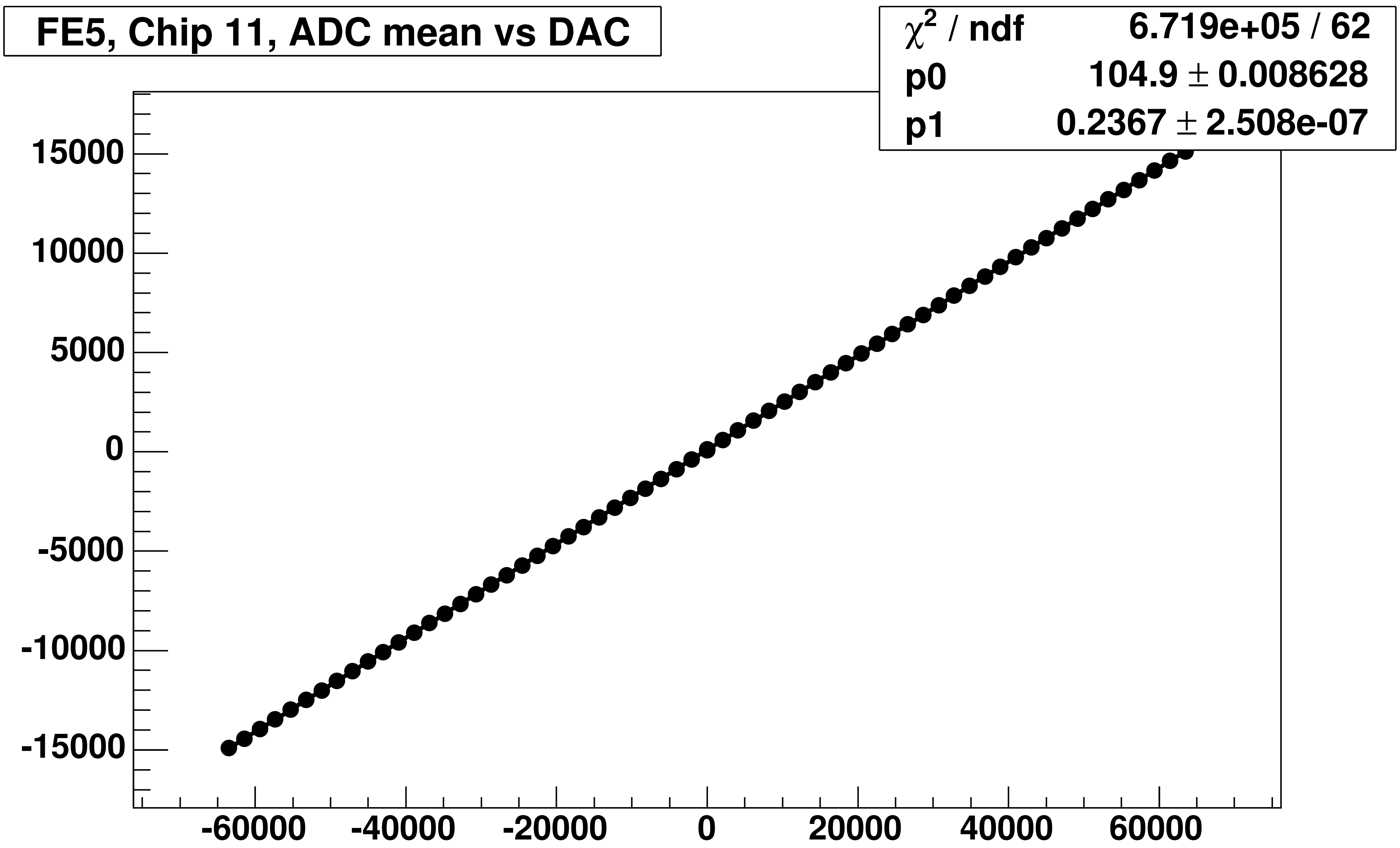


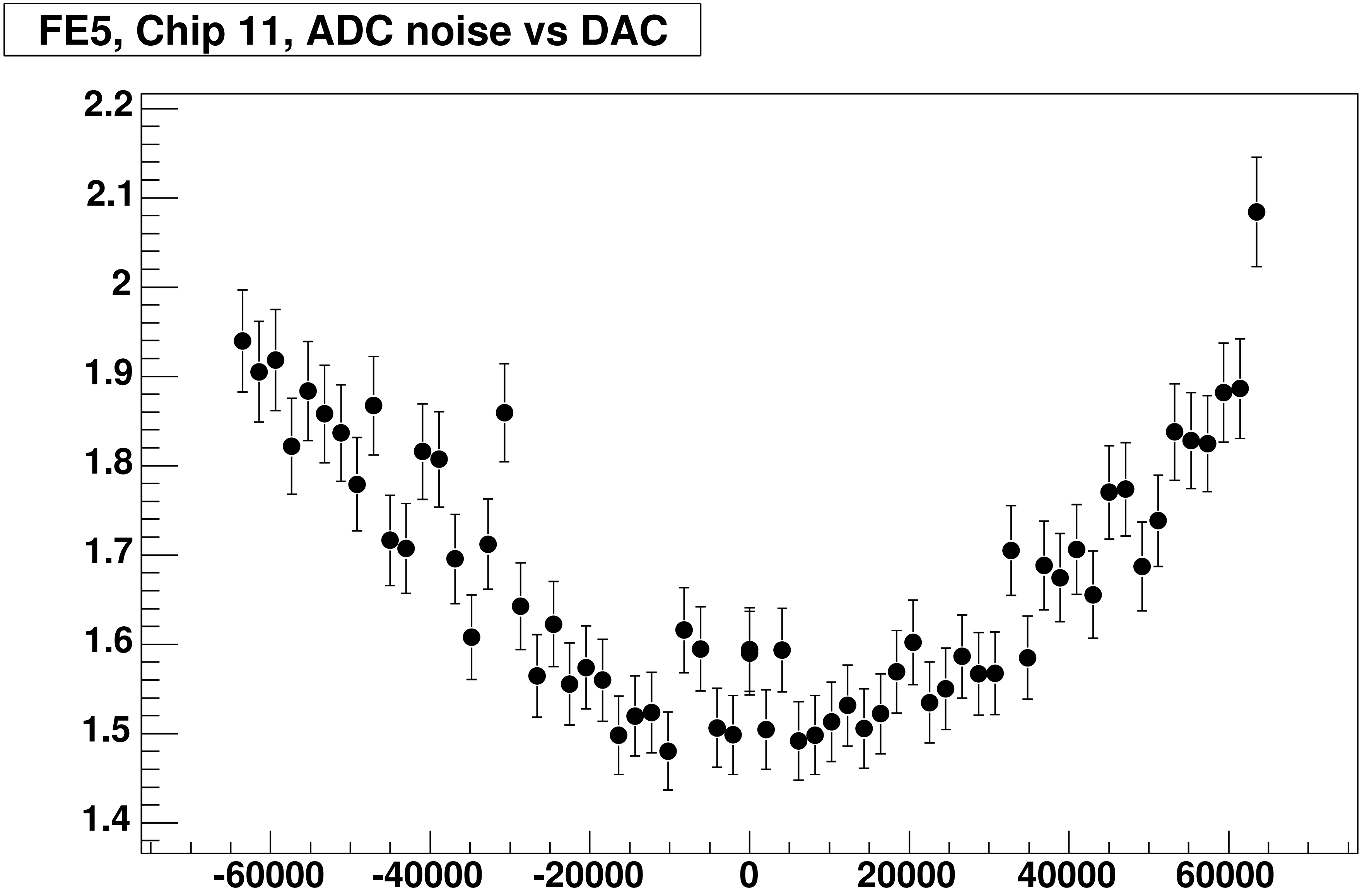
FE5, Chip 10, ADC mean vs DAC
χ2 / ndf 5.305e+05 / 62
p0 70.94 ± 0.008668
p1 0.2379 ± 2.525e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 10, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

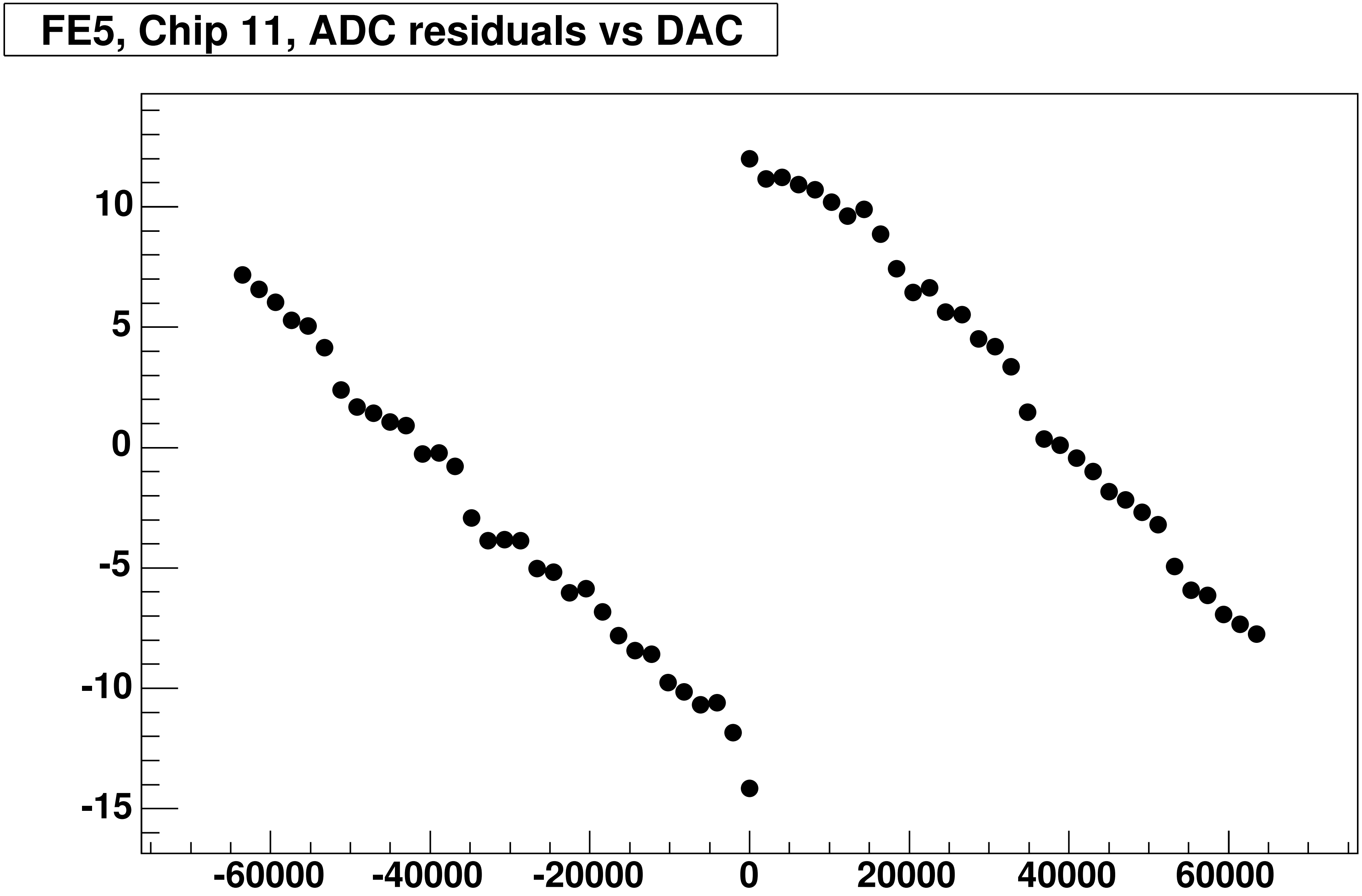


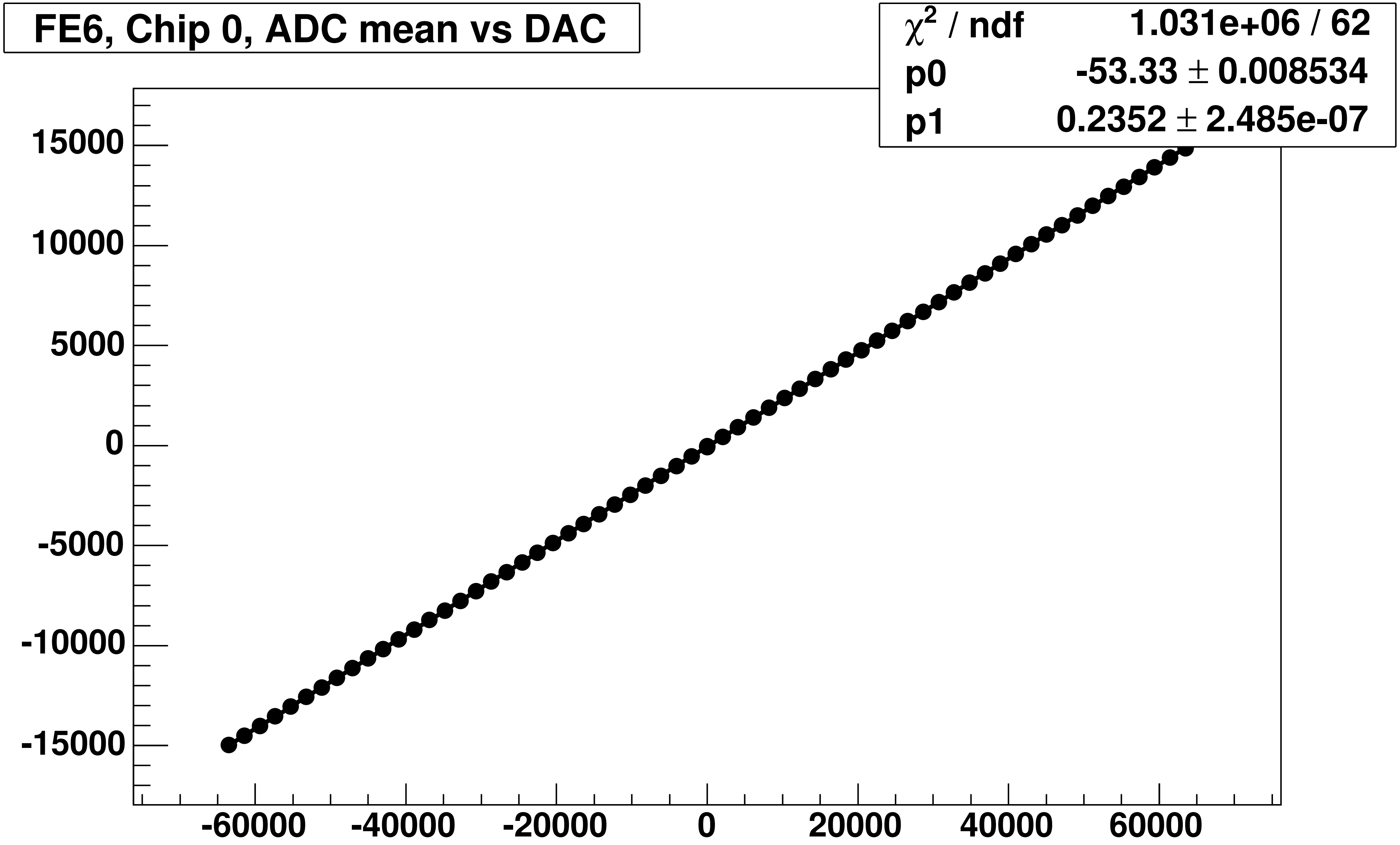
FE5, Chip 10, ADC residuals vs DAC
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 11, ADC mean vs DAC
χ2 / ndf 6.719e+05 / 62
p0 104.9 ± 0.008628
p1 0.2367 ± 2.508e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

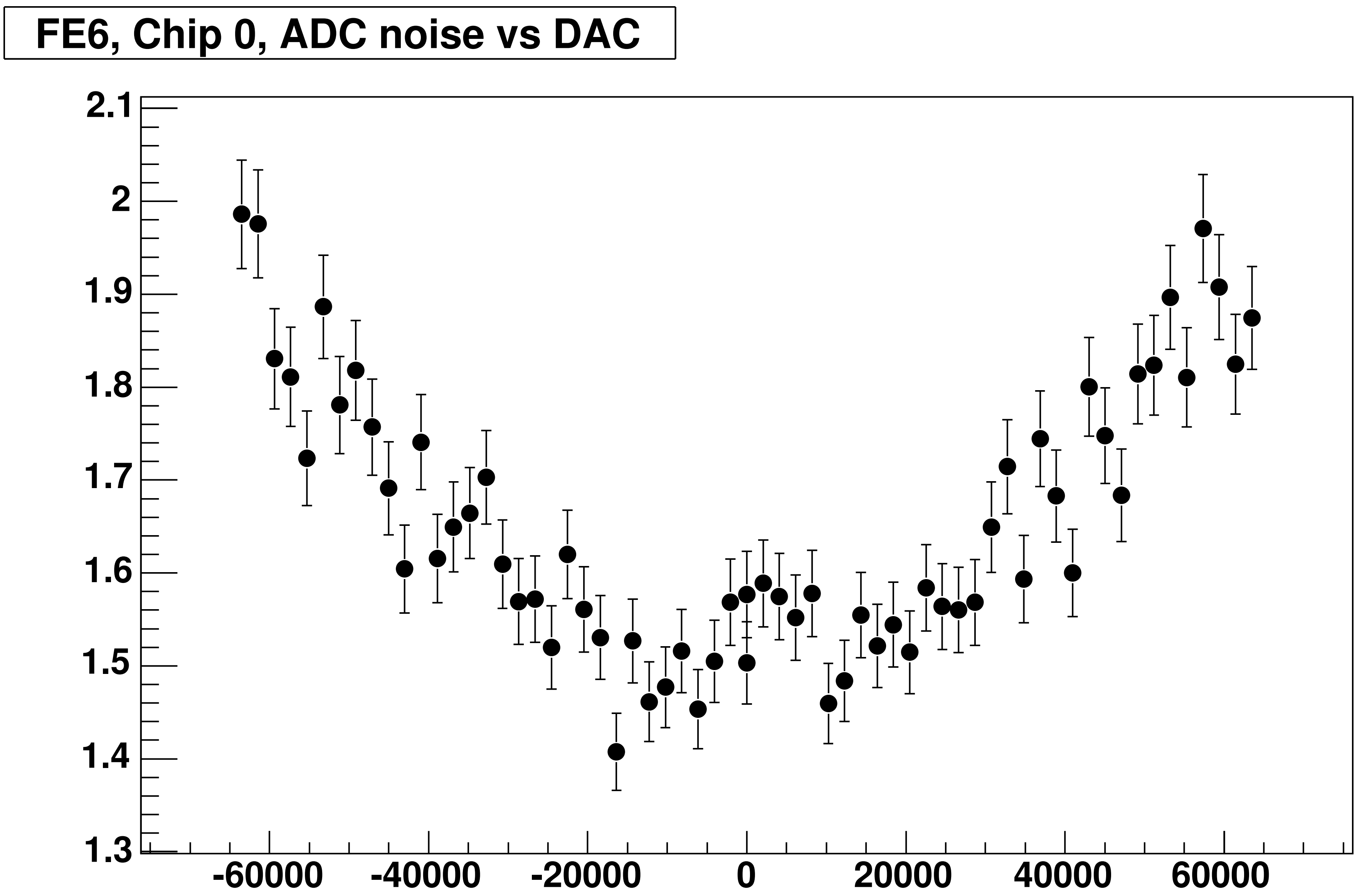


FE5, Chip 11, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

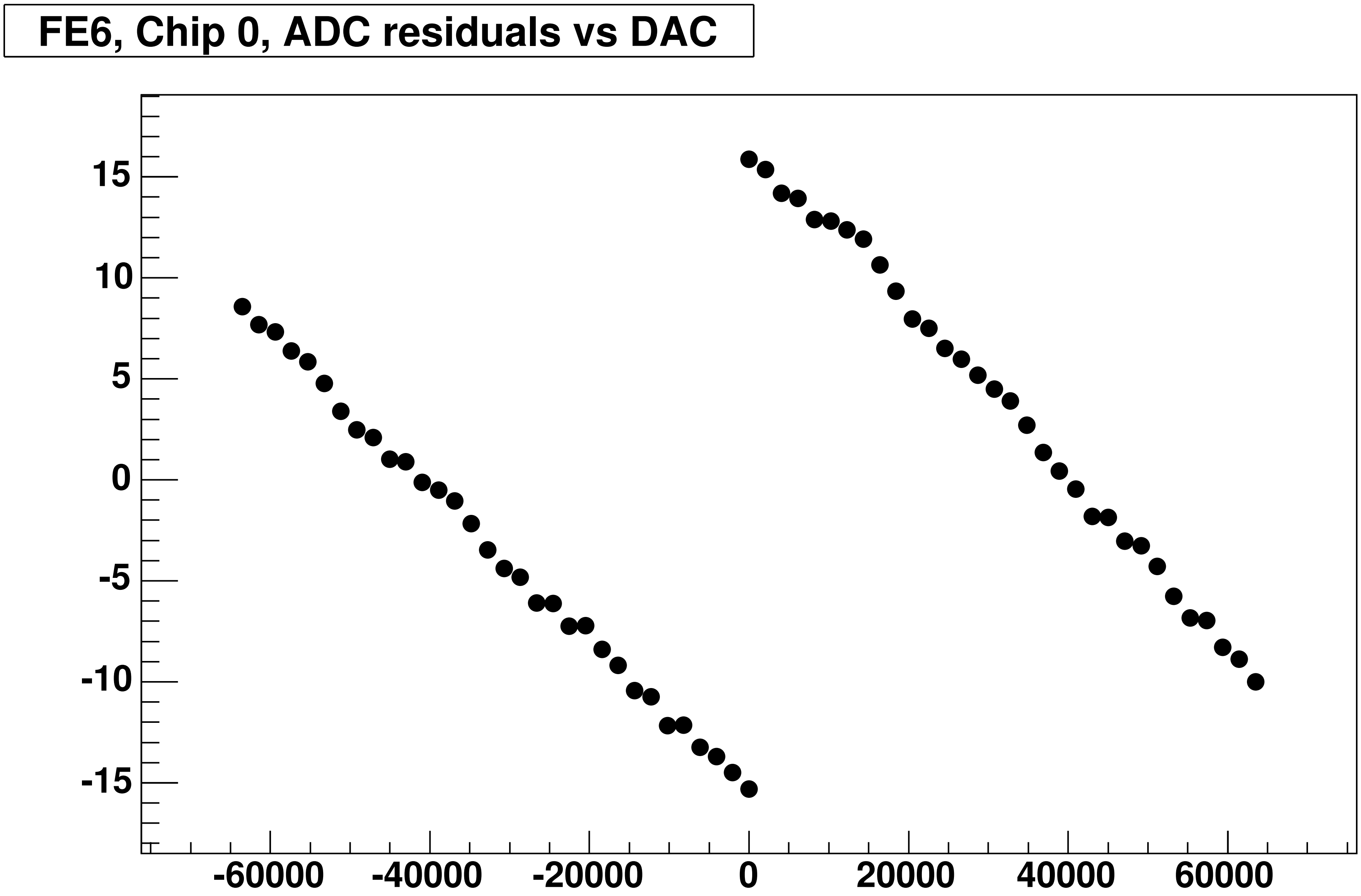

FE5, Chip 11, ADC residuals vs DAC
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

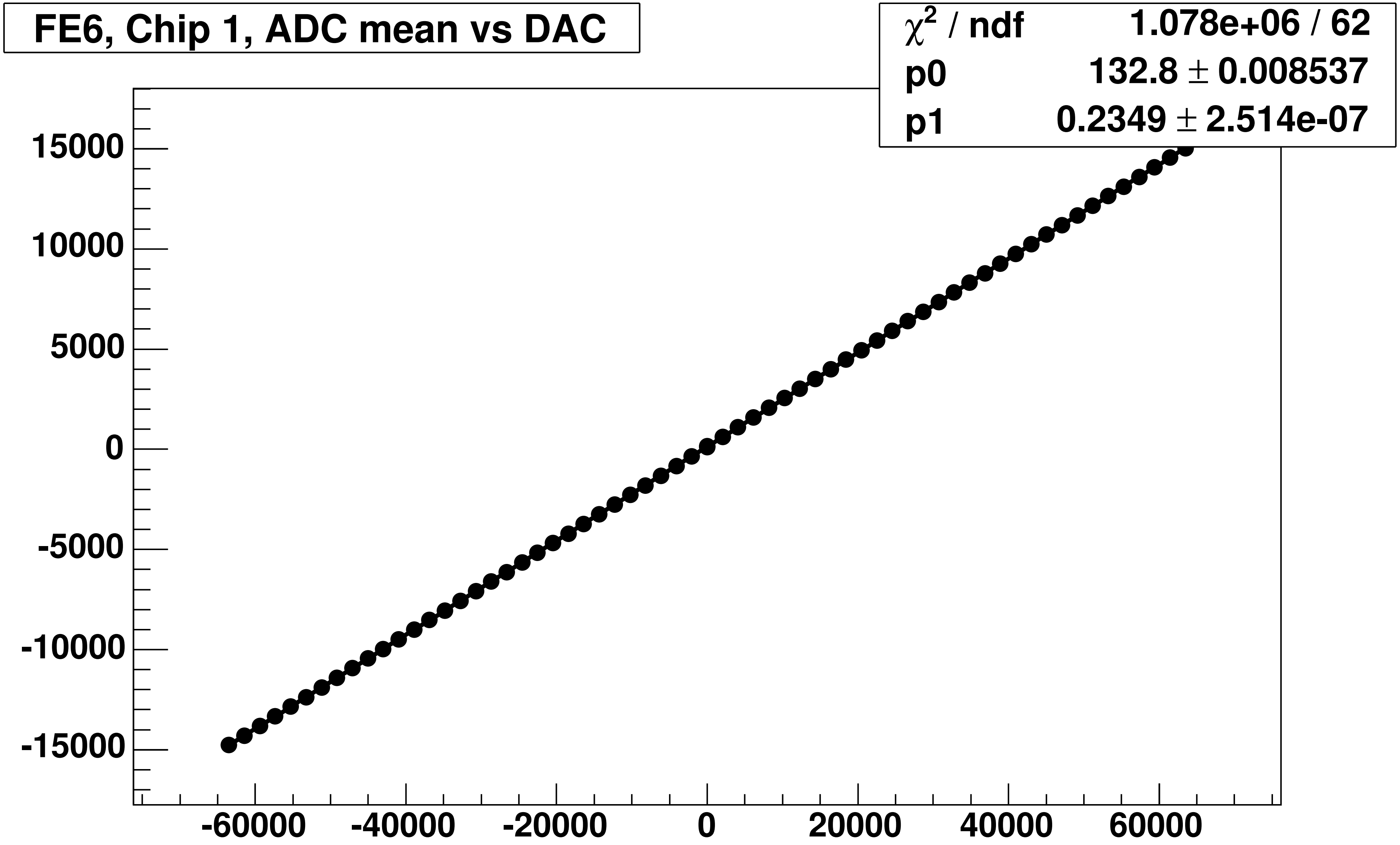


FE6, Chip 0, ADC mean vs DAC
χ2 / ndf 1.031e+06 / 62
p0 -53.33 ± 0.008534
p1 0.2352 ± 2.485e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

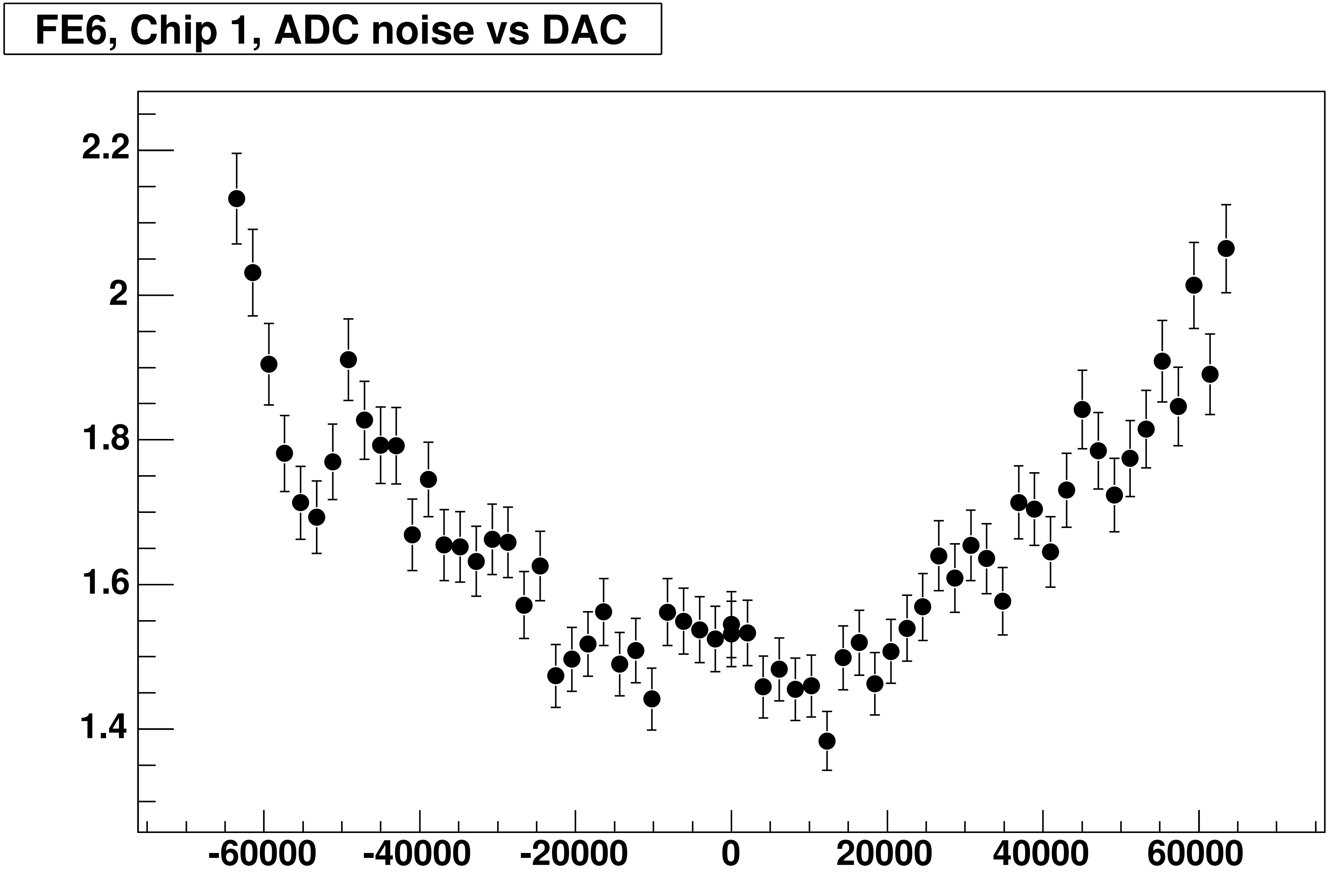


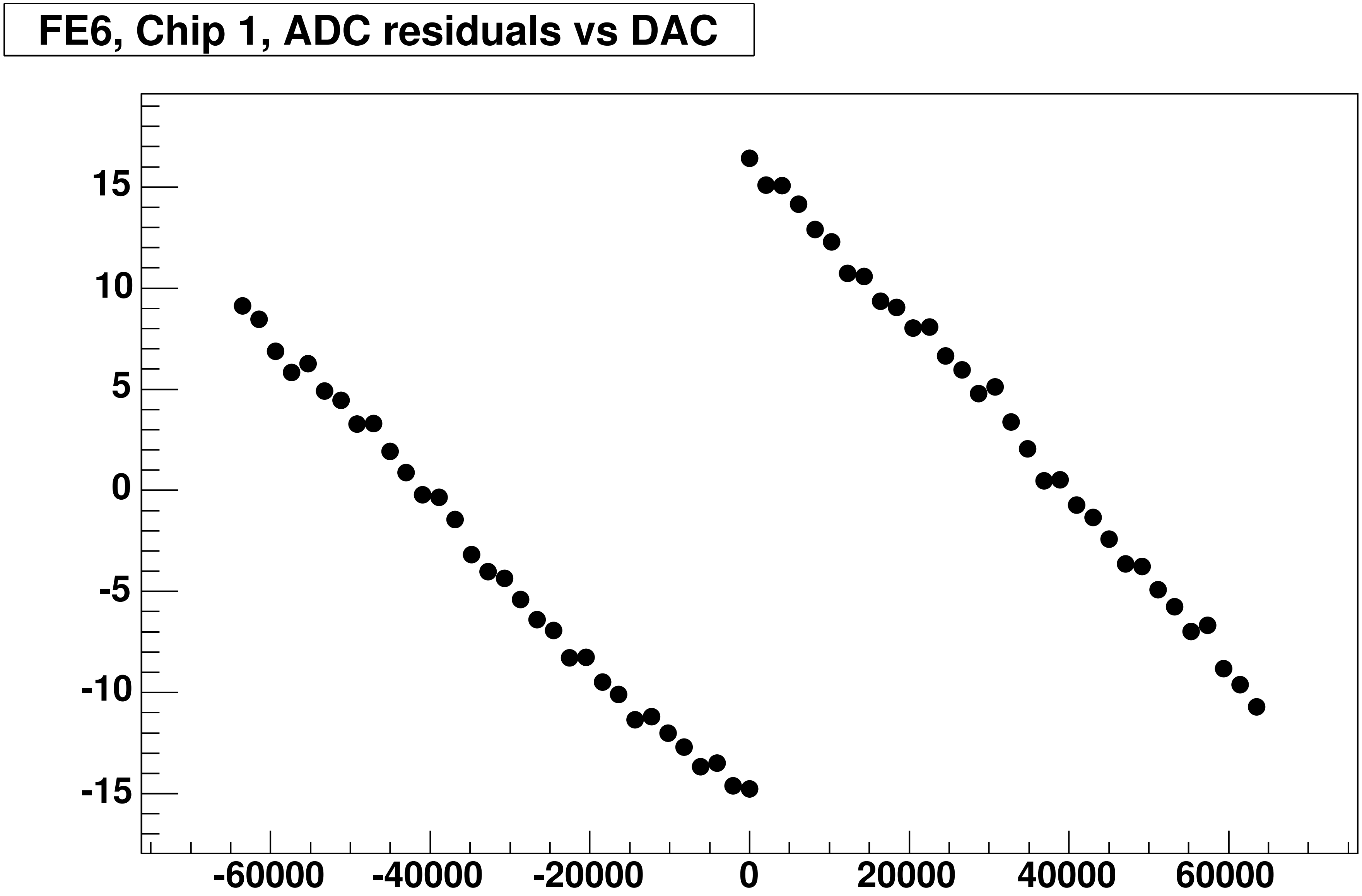
FE6, Chip 0, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

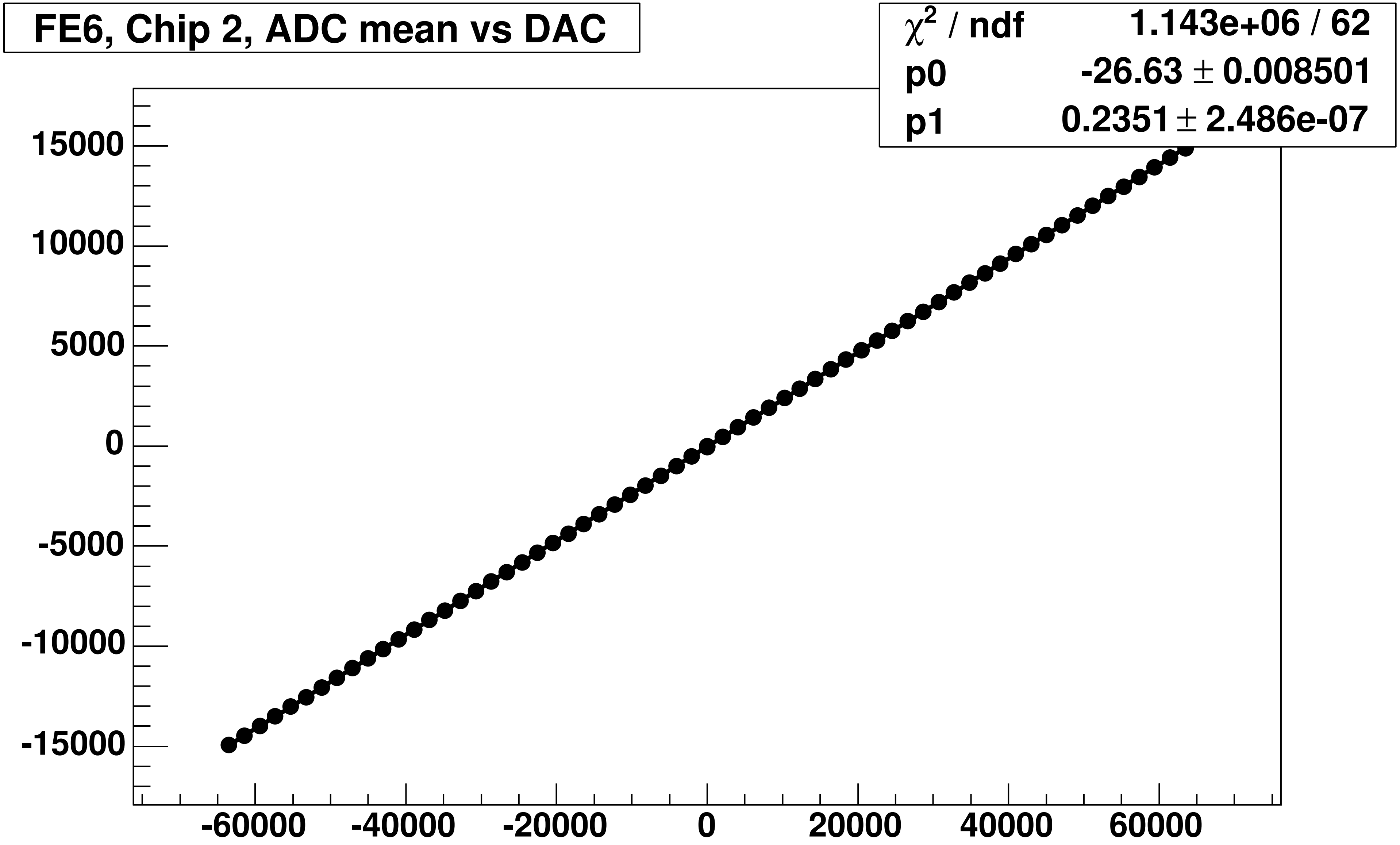

FE6, Chip 0, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



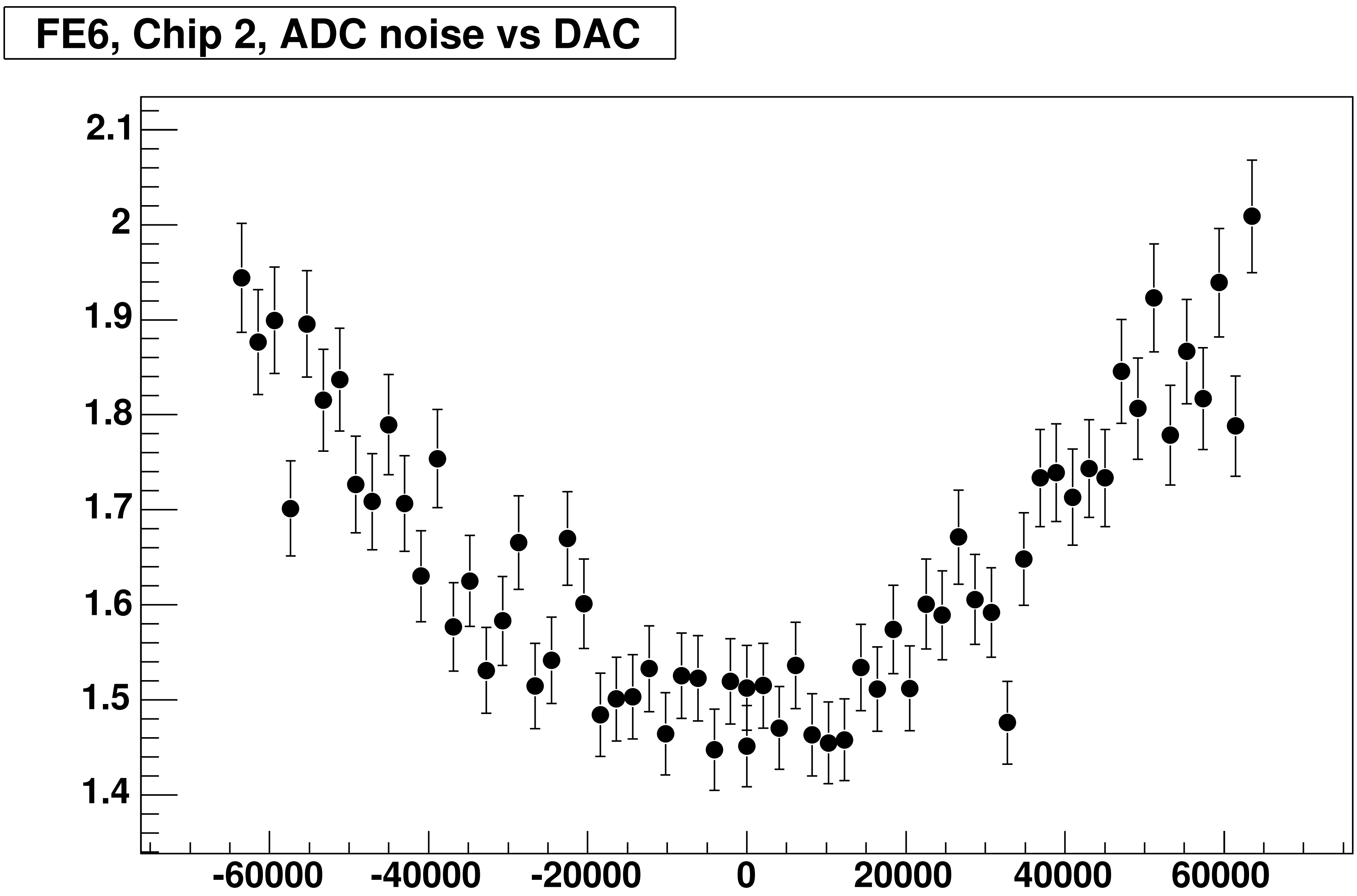
FE6, Chip 1, ADC mean vs DAC
χ^2 / ndf 1.078e+06 / 62
p0 132.8 ± 0.008537
p1 0.2349 ± 2.514e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

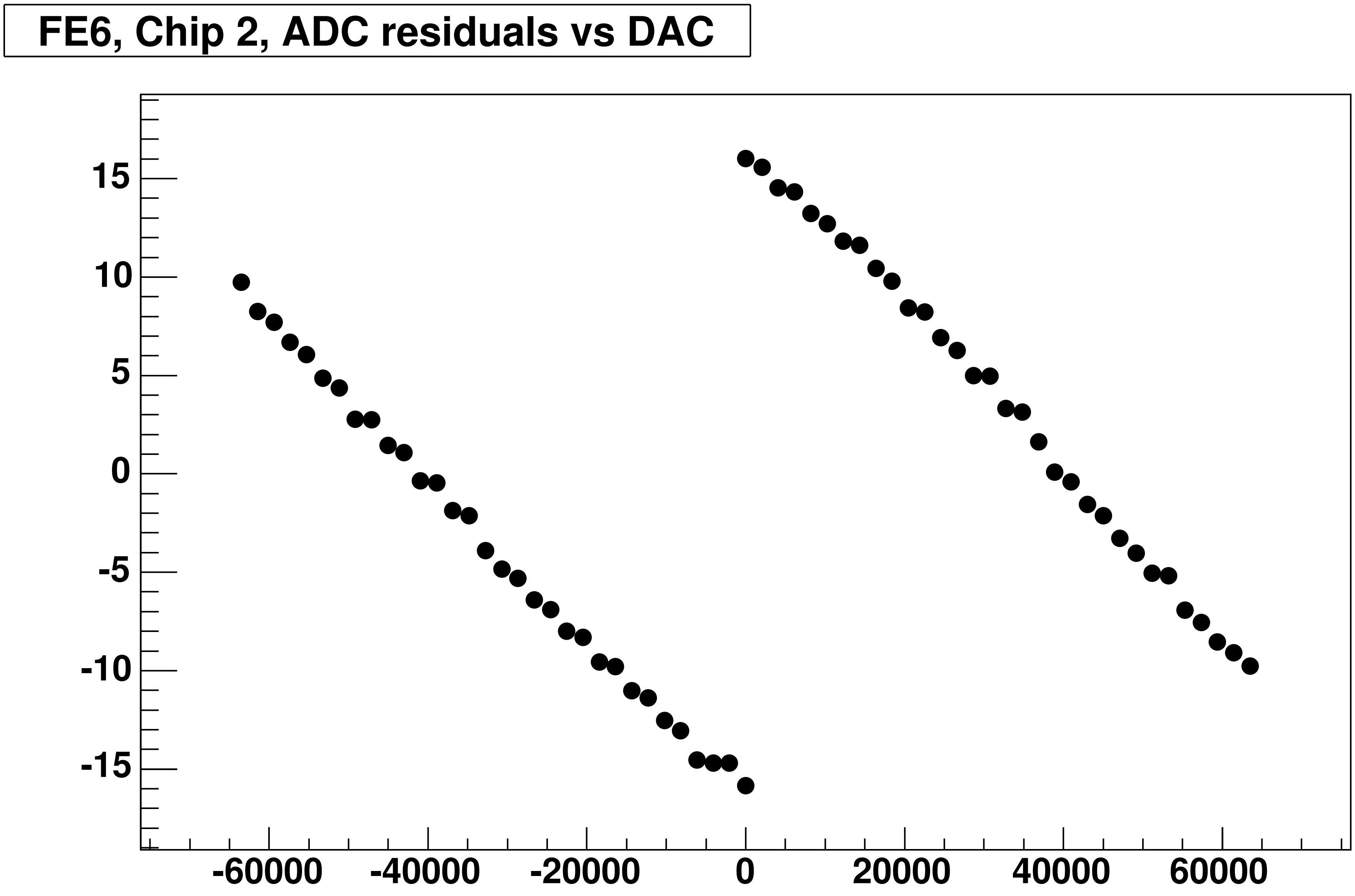

FE6, Chip 1, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

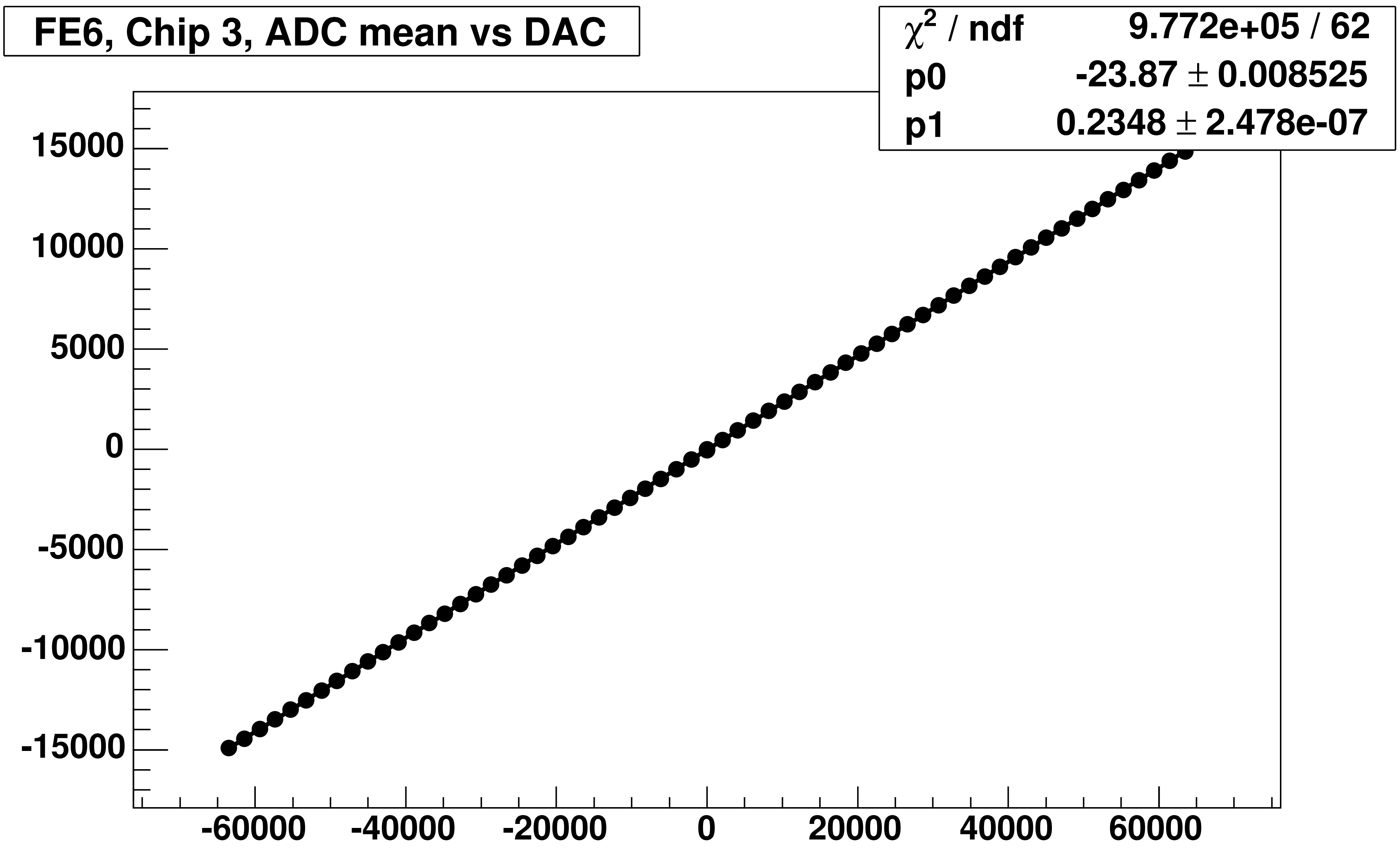

FE6, Chip 1, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

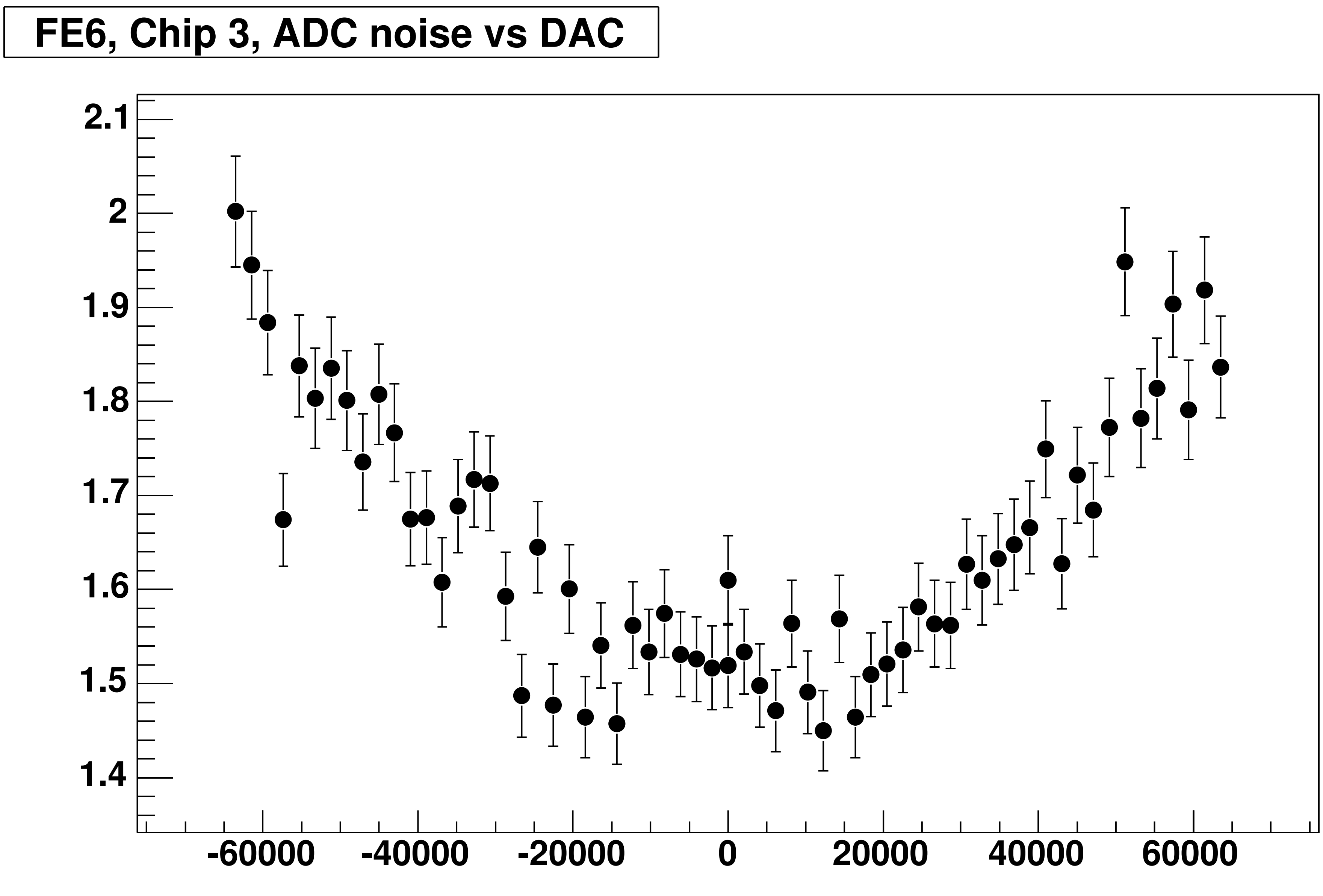


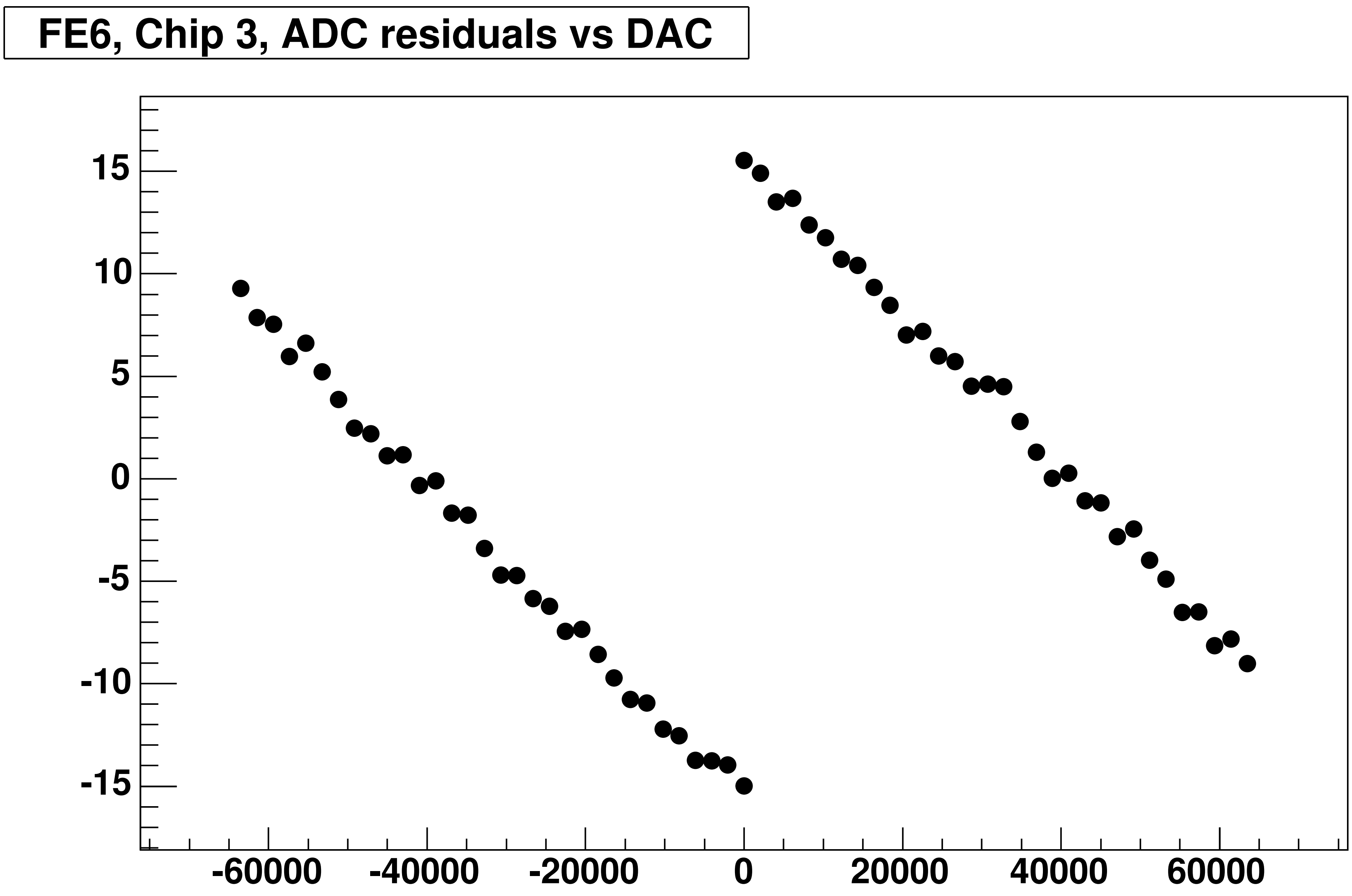
FE6, Chip 2, ADC mean vs DAC
χ^2 / ndf 1.143e+06 / 62
p0 -26.63 ± 0.008501
p1 0.2351 ± 2.486e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

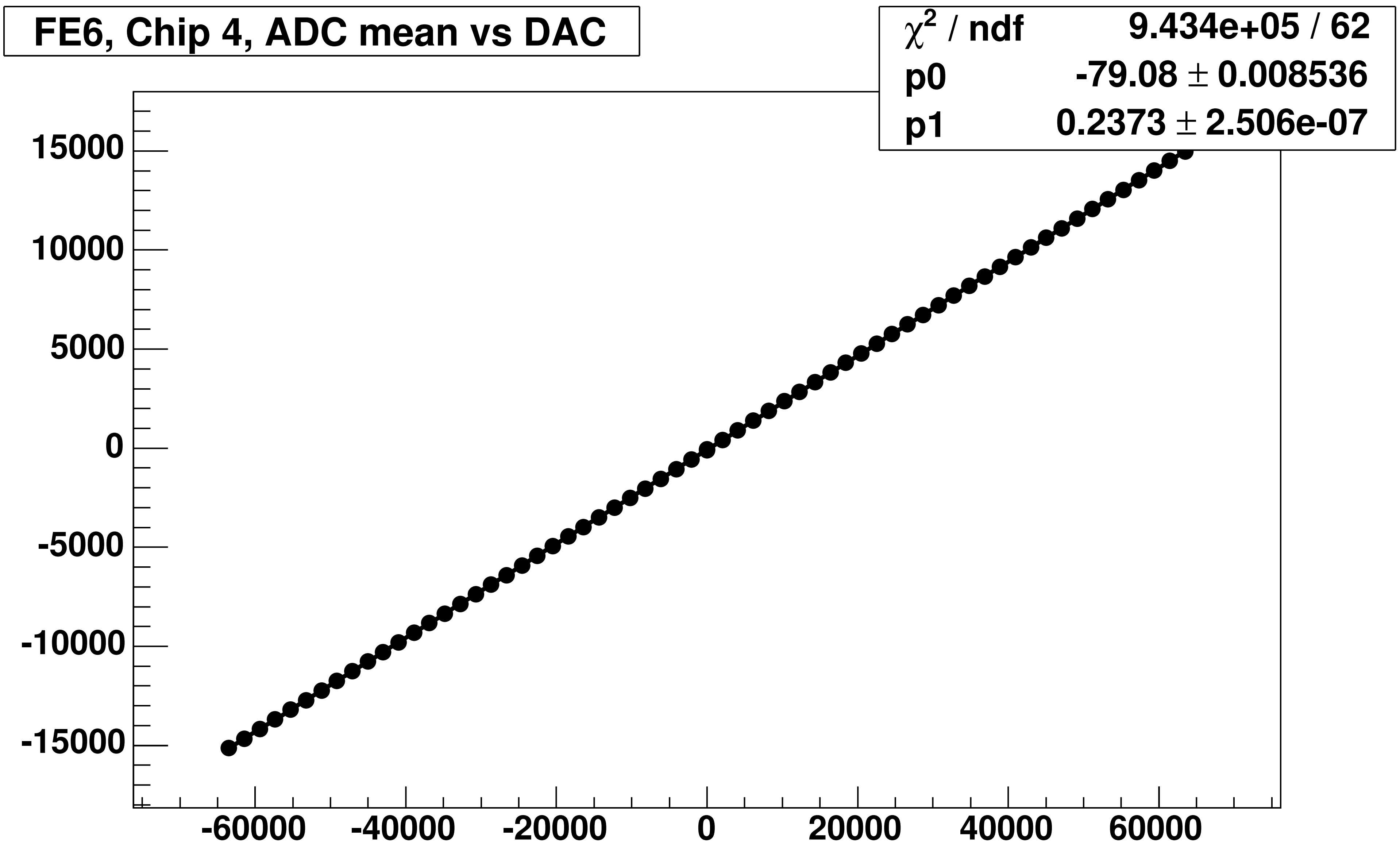

FE6, Chip 2, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

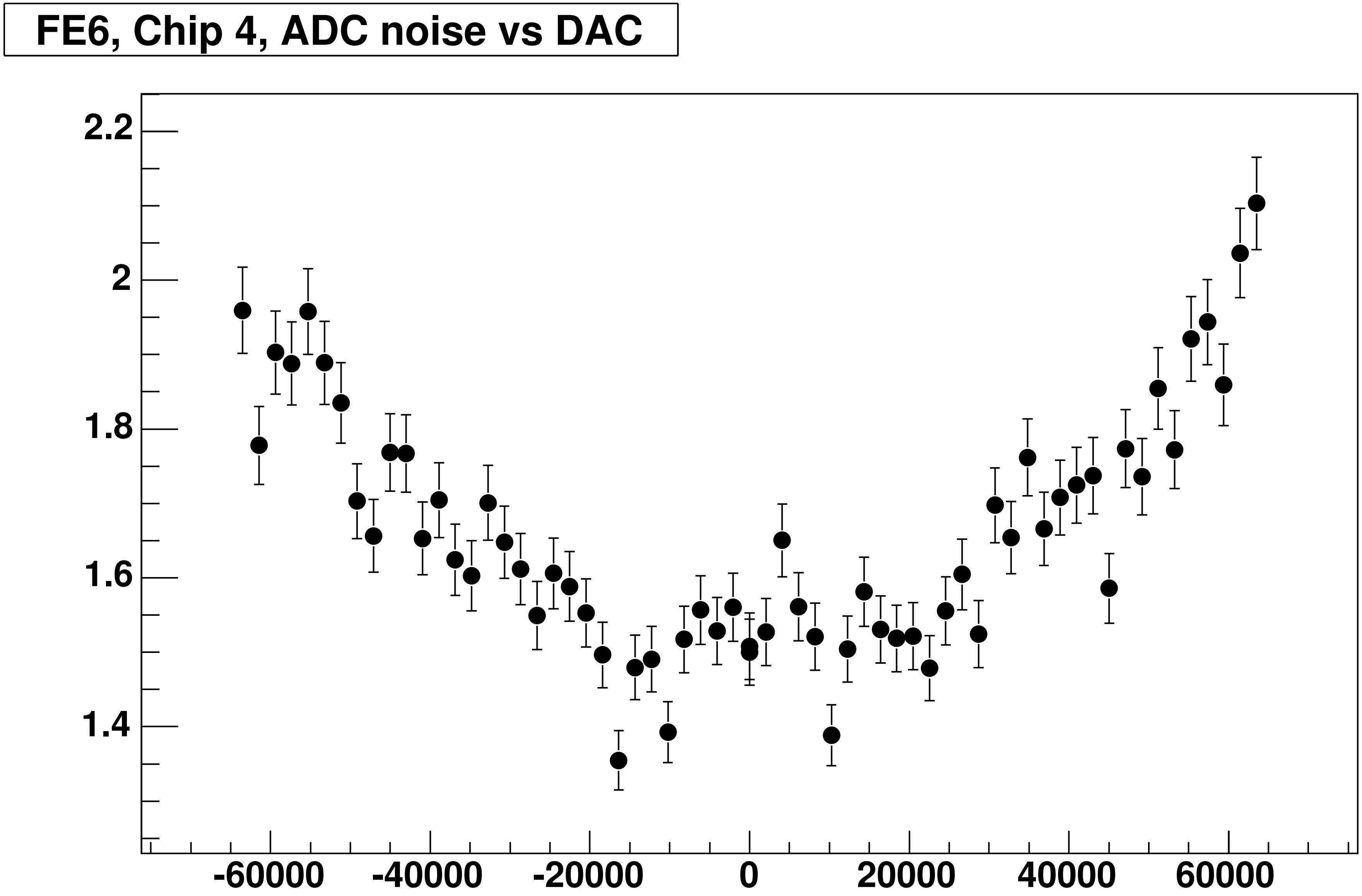

FE6, Chip 2, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

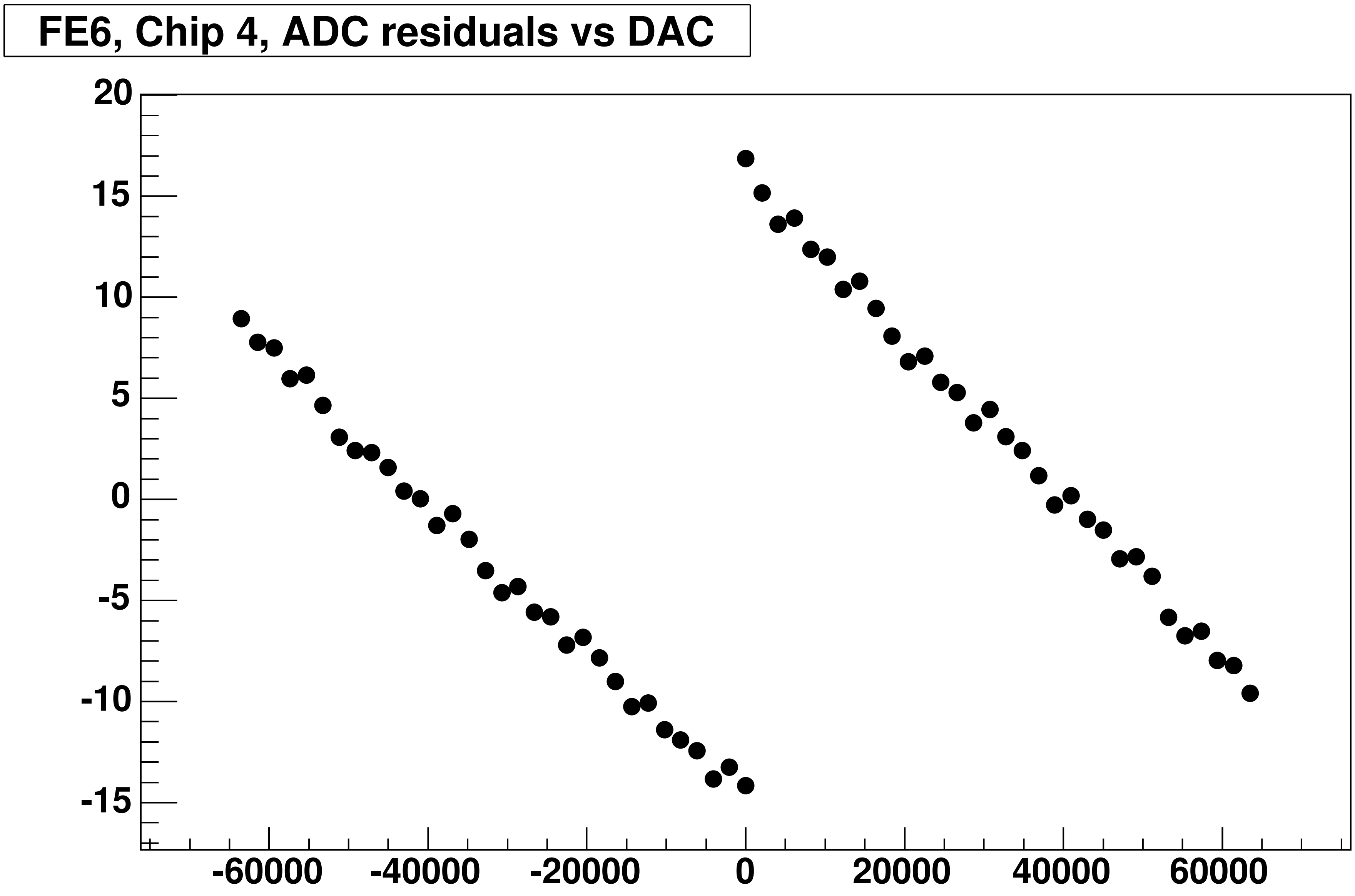

FE6, Chip 3, ADC mean vs DAC
χ^2 / ndf 9.772e+05 / 62
p0 -23.87 ± 0.008525
p1 0.2348 ± 2.478e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

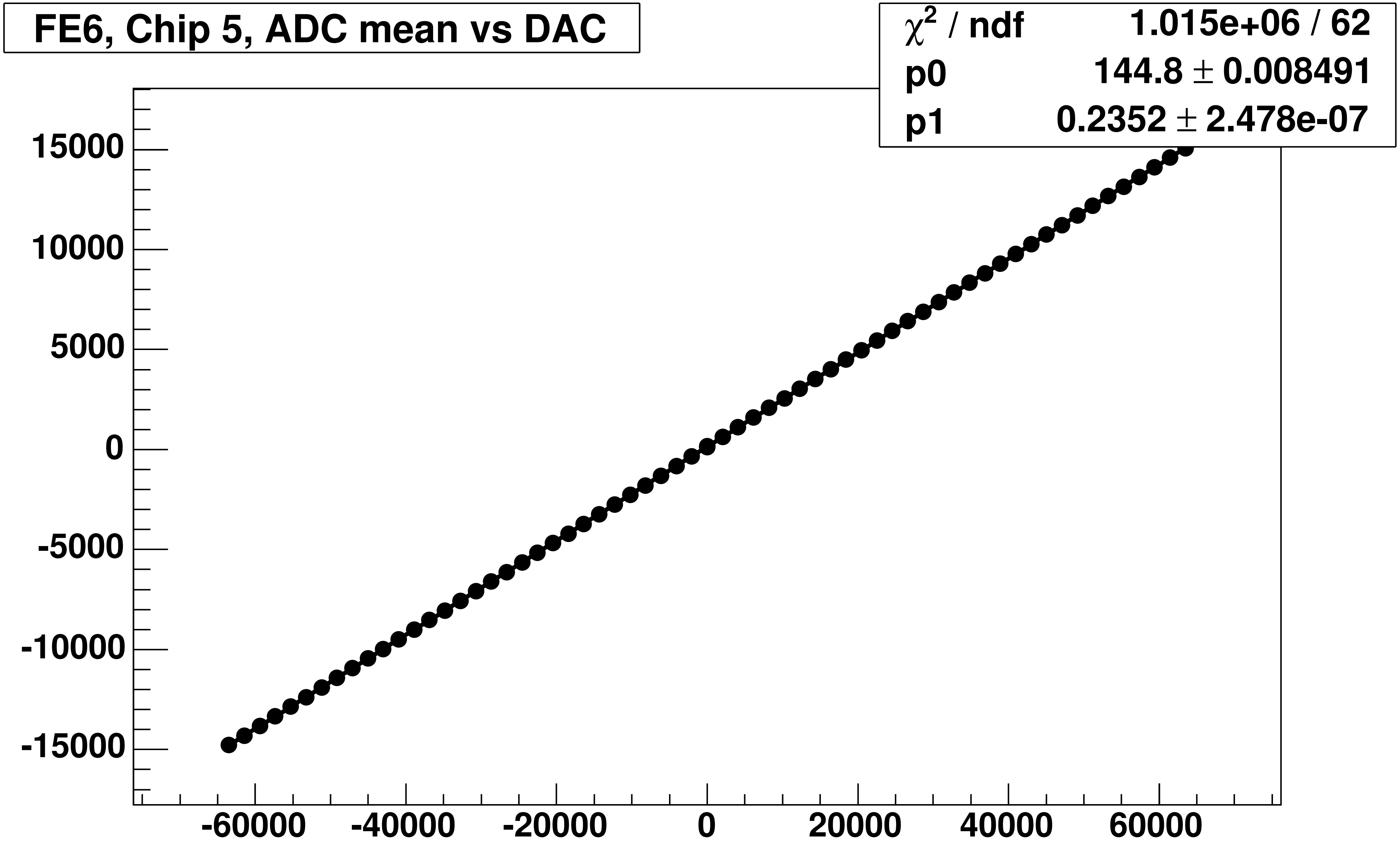

FE6, Chip 3, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 3, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

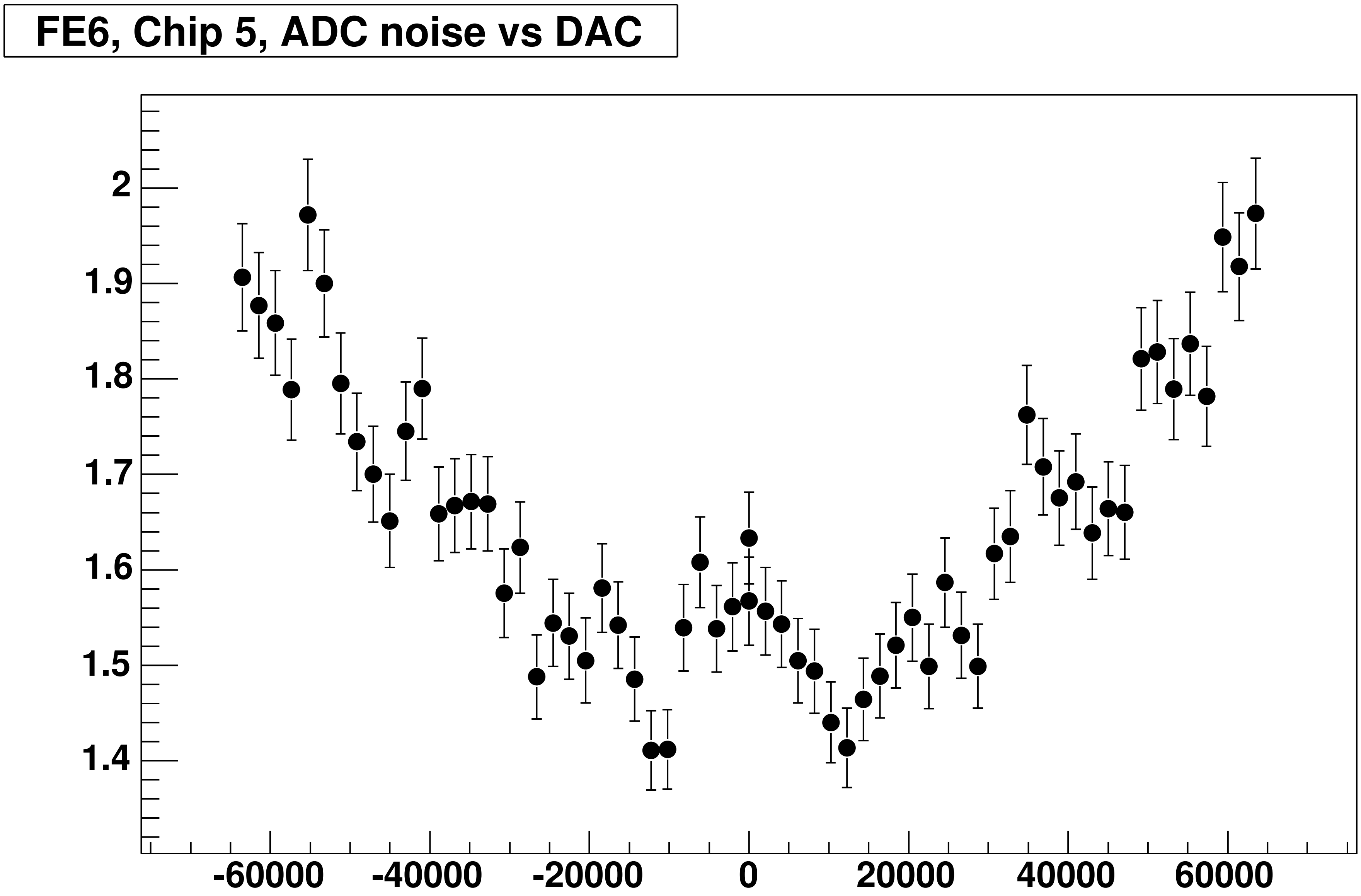

FE6, Chip 4, ADC mean vs DAC
χ² / ndf 9.434e+05 / 62
p0 -79.08 ± 0.008536
p1 0.2373 ± 2.506e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

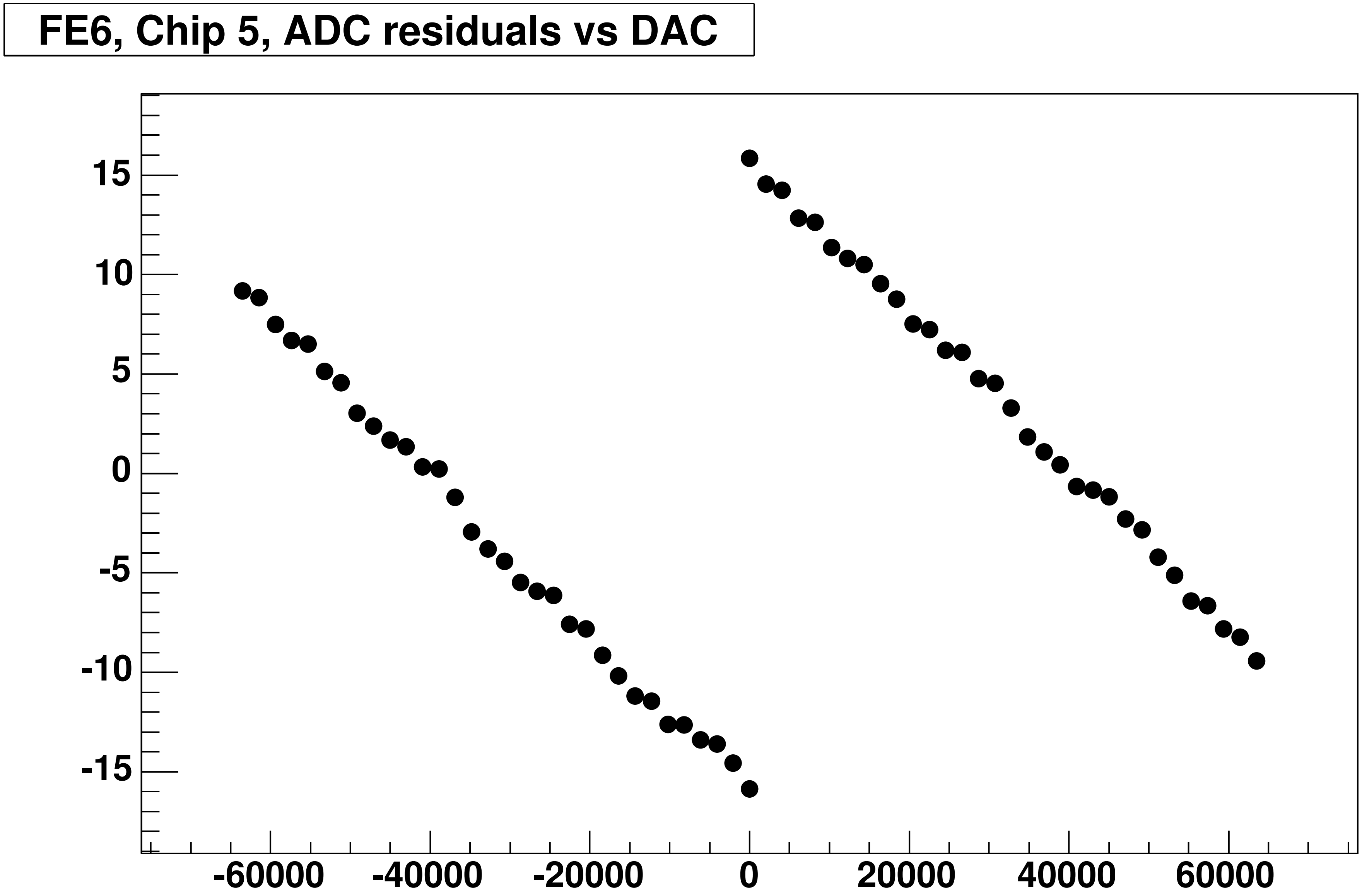

FE6, Chip 4, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

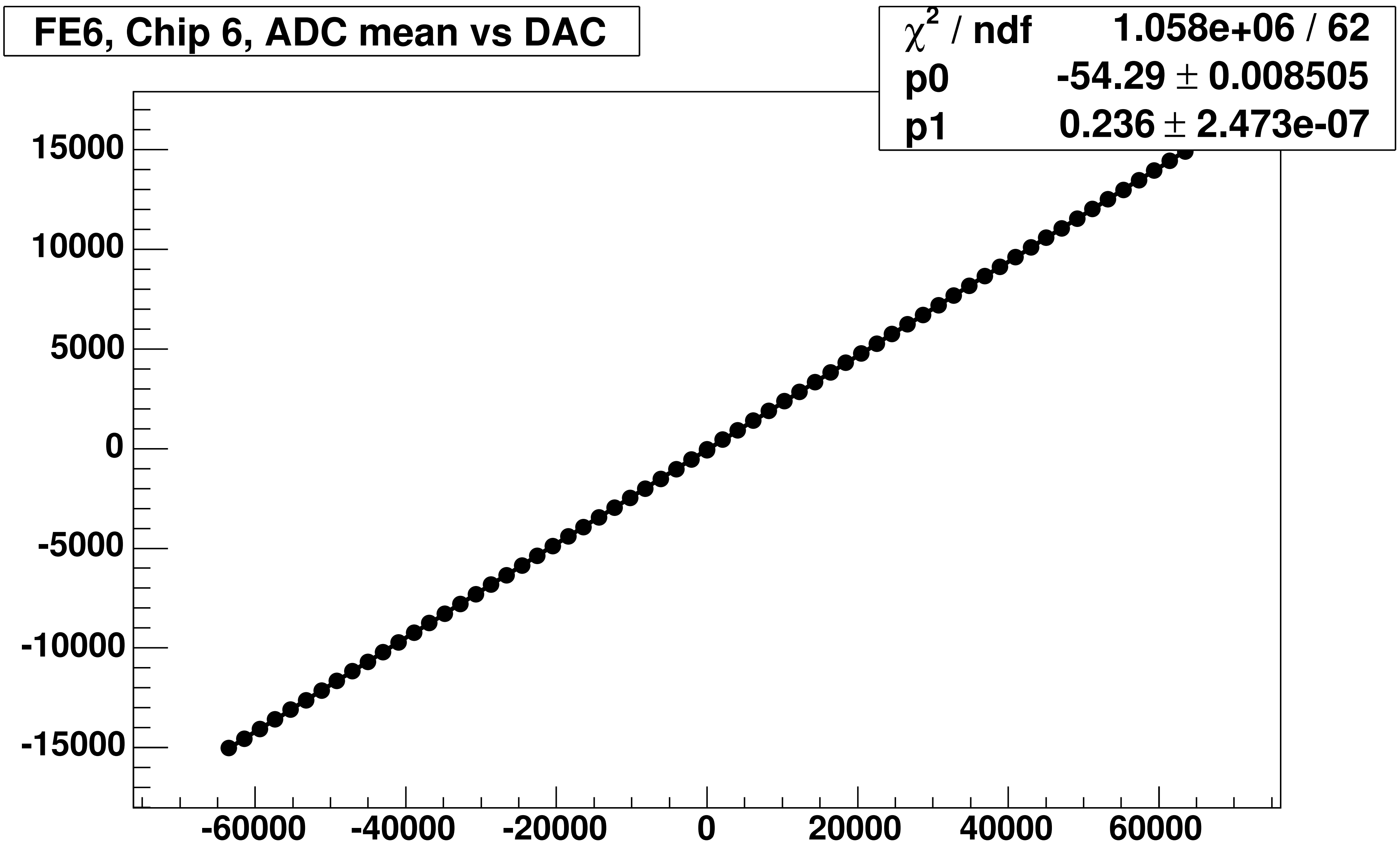

FE6, Chip 4, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

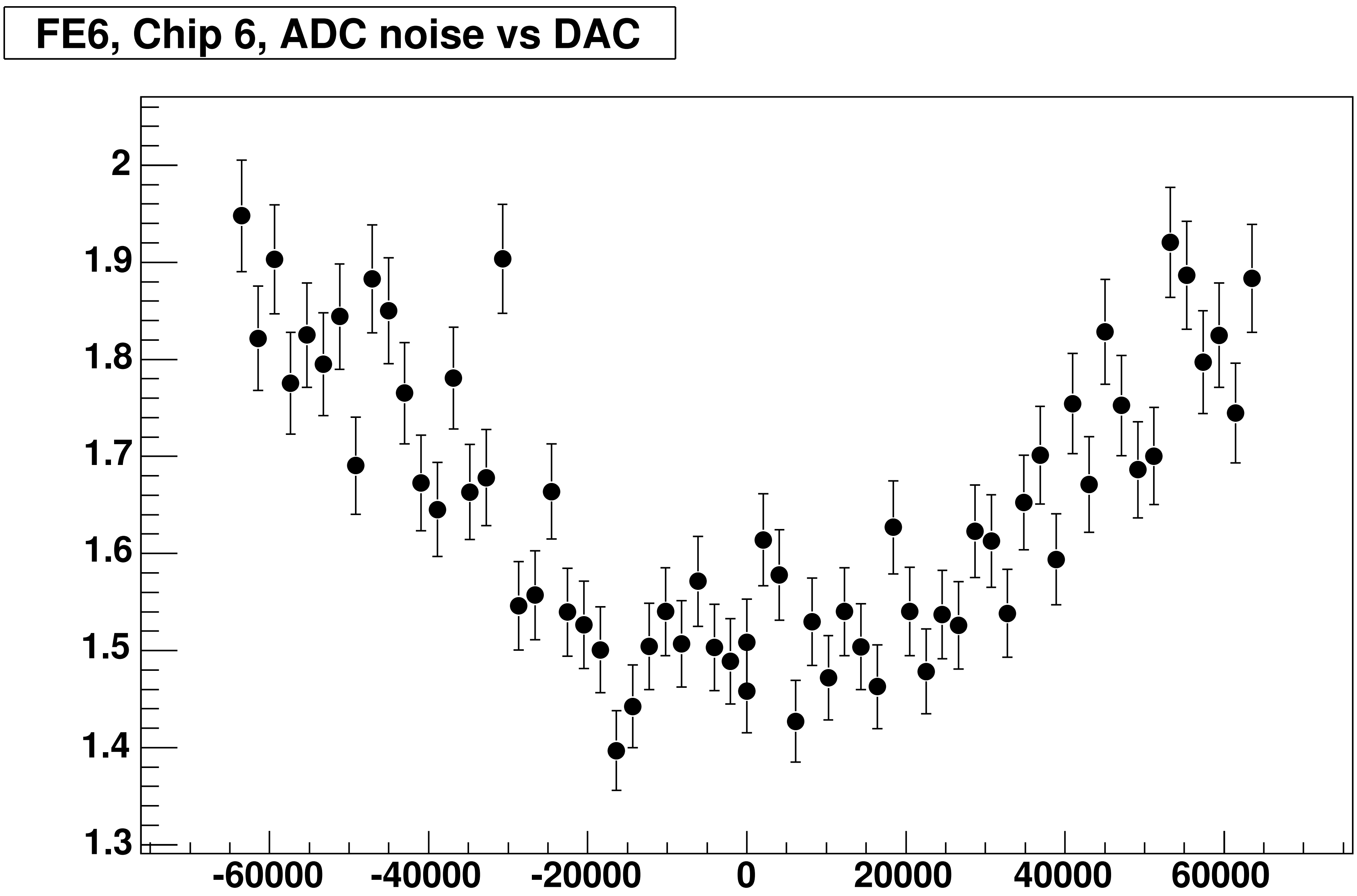


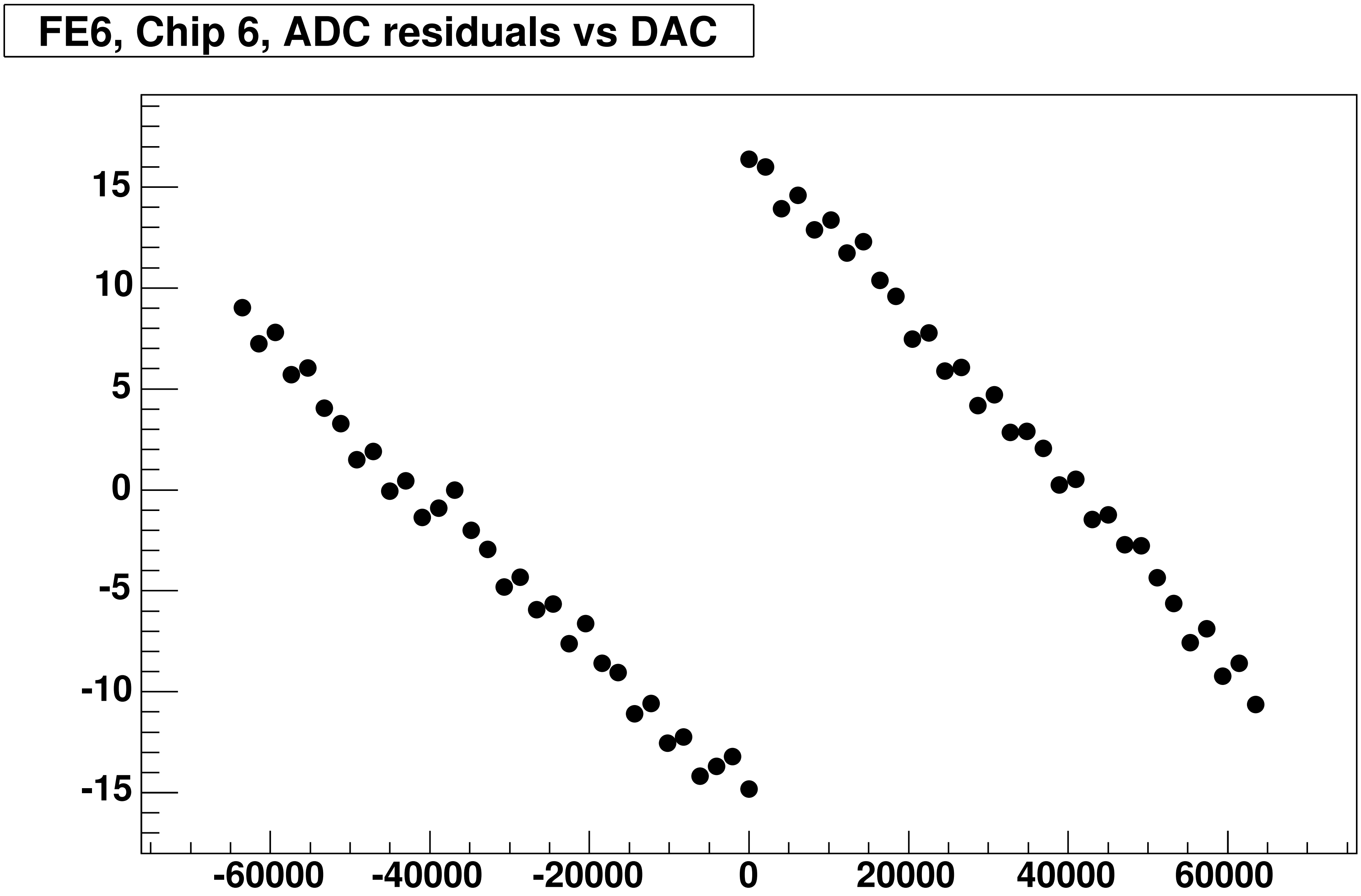
FE6, Chip 5, ADC mean vs DAC
χ^2 / ndf 1.015e+06 / 62
p0 144.8 ± 0.008491
p1 0.2352 ± 2.478e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

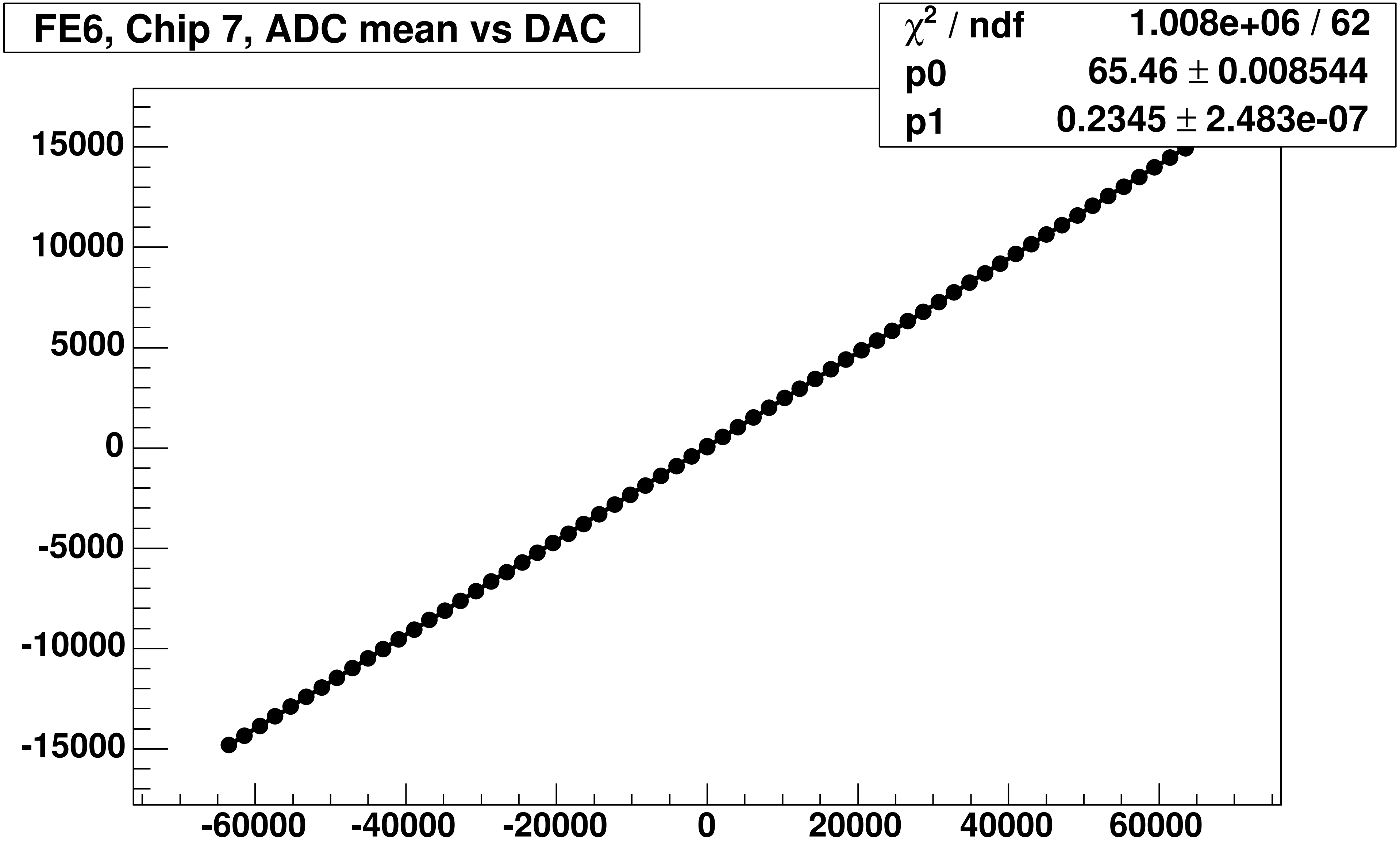

FE6, Chip 5, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 5, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

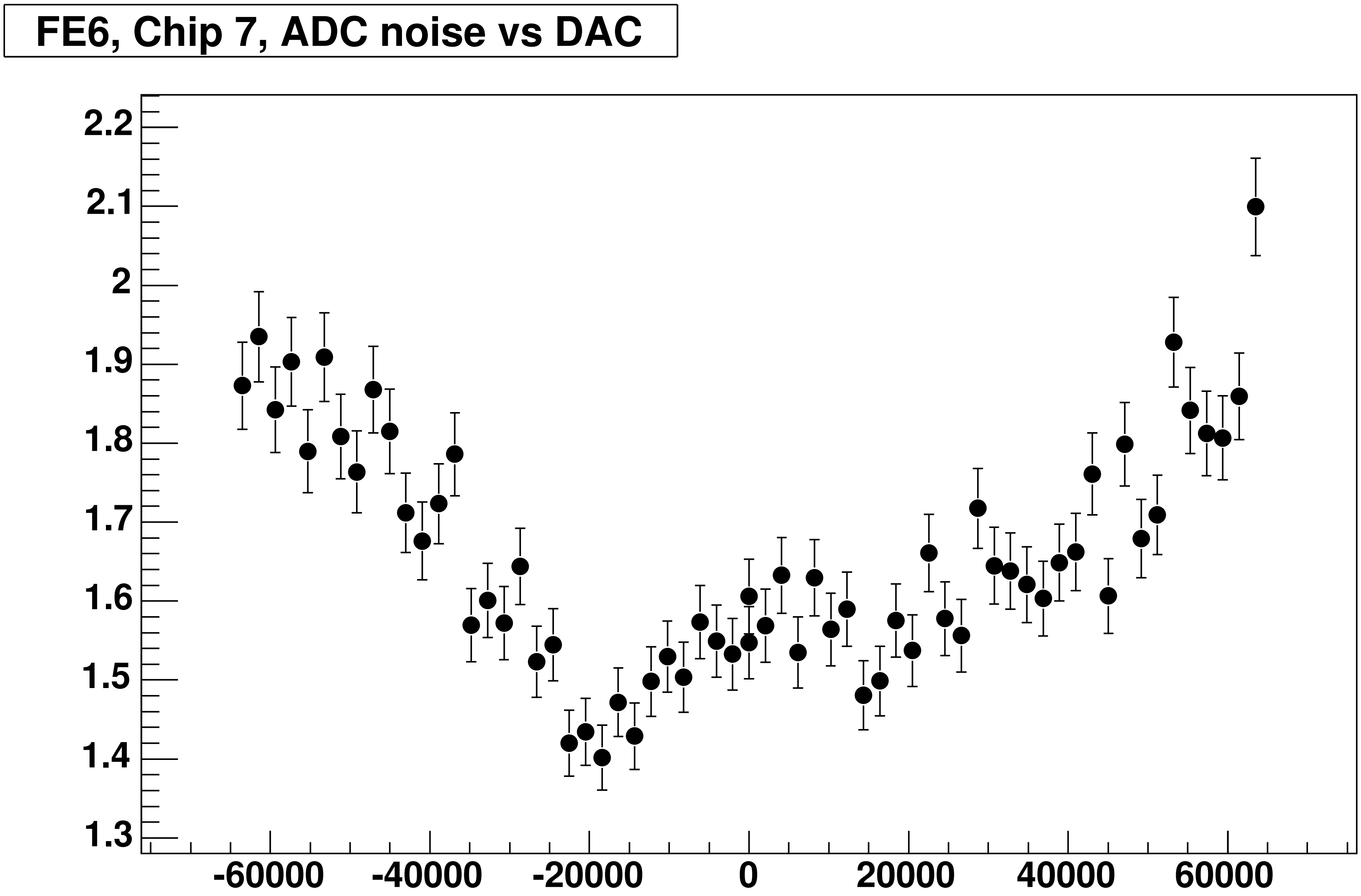

FE6, Chip 6, ADC mean vs DAC
χ^2 / ndf 1.058e+06 / 62
p0 -54.29 ± 0.008505
p1 0.236 ± 2.473e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

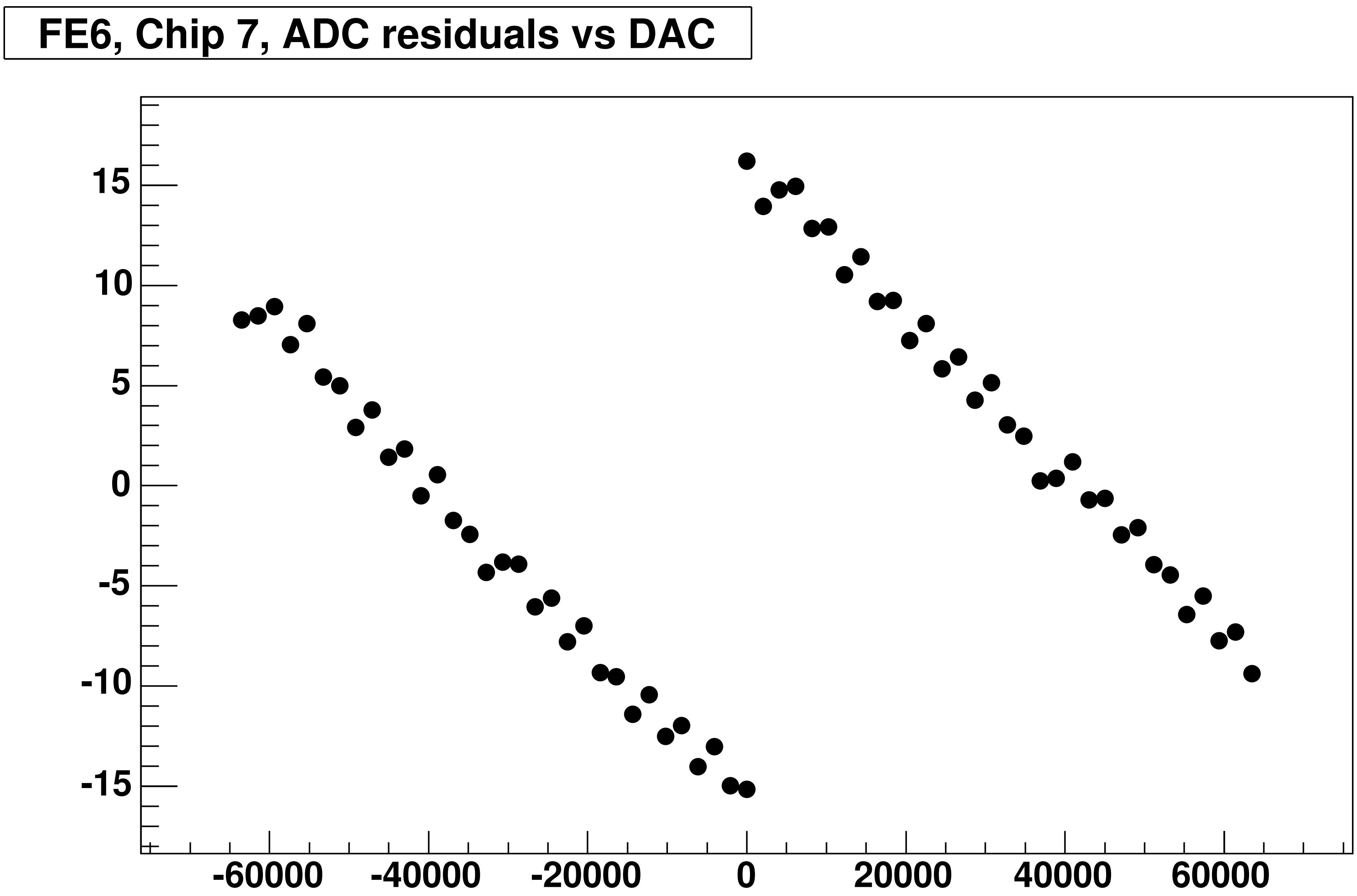

FE6, Chip 6, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

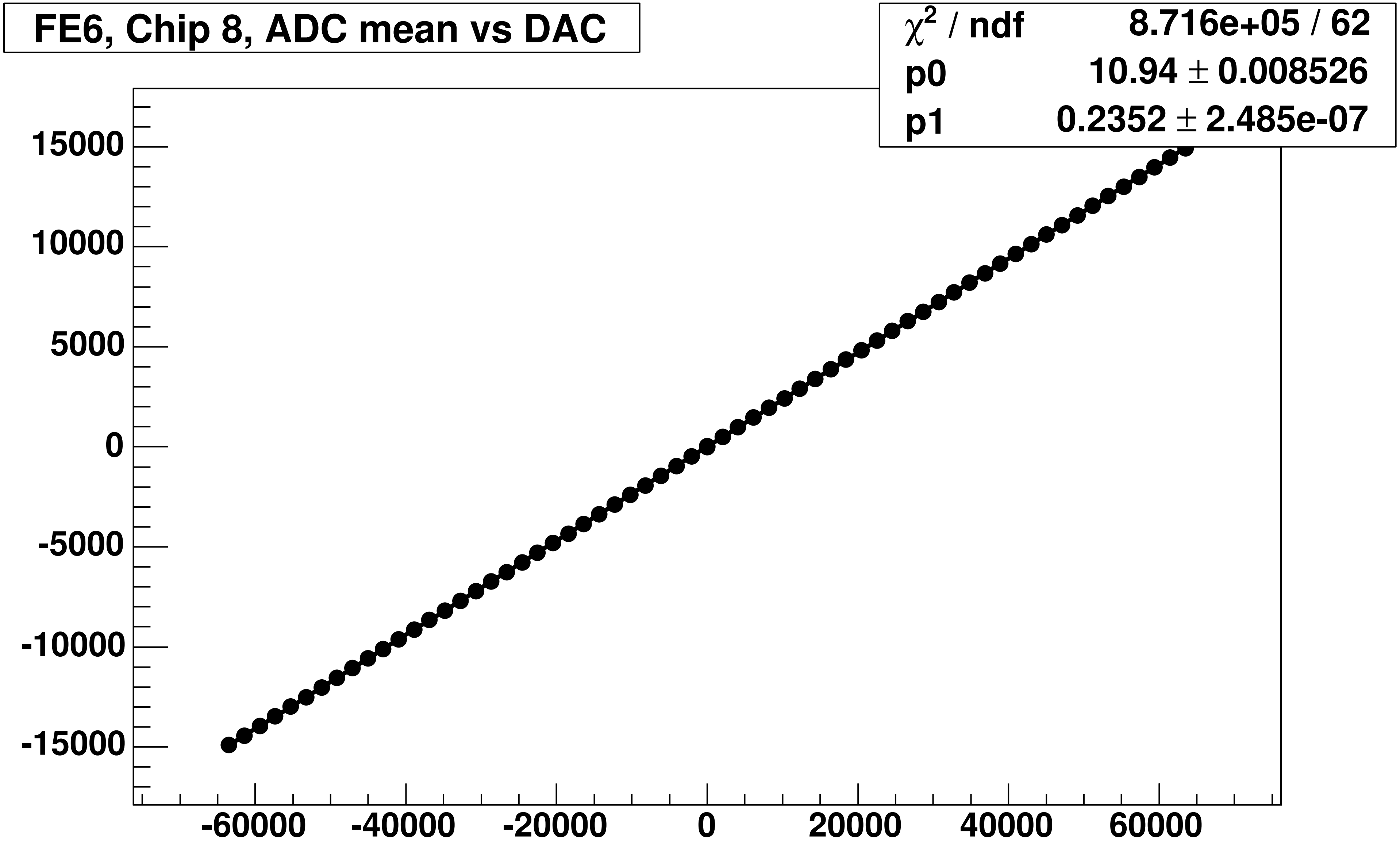

FE6, Chip 6, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



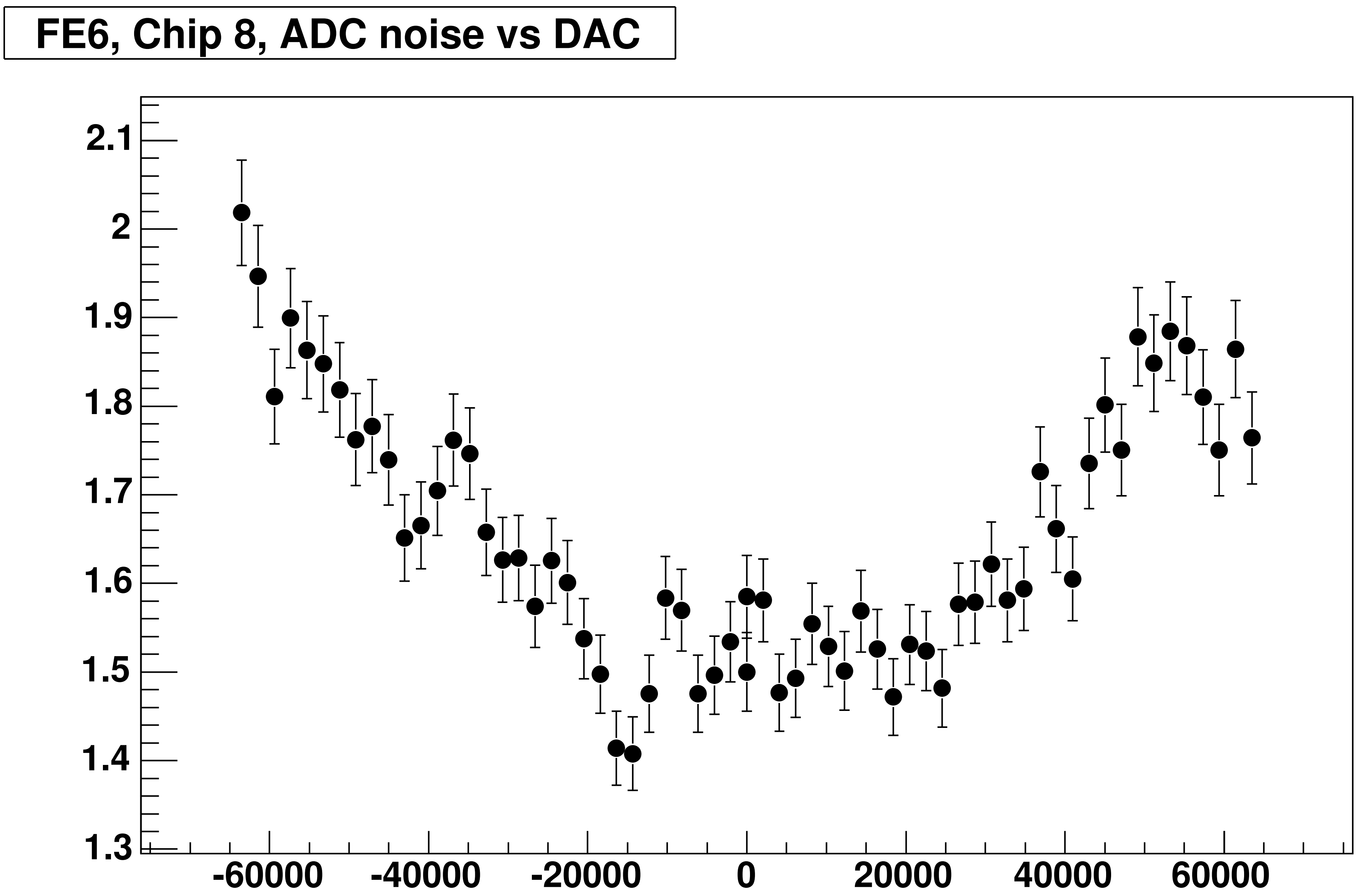
FE6, Chip 7, ADC mean vs DAC
χ^2 / ndf 1.008e+06 / 62
p0 65.46 ± 0.008544
p1 0.2345 ± 2.483e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

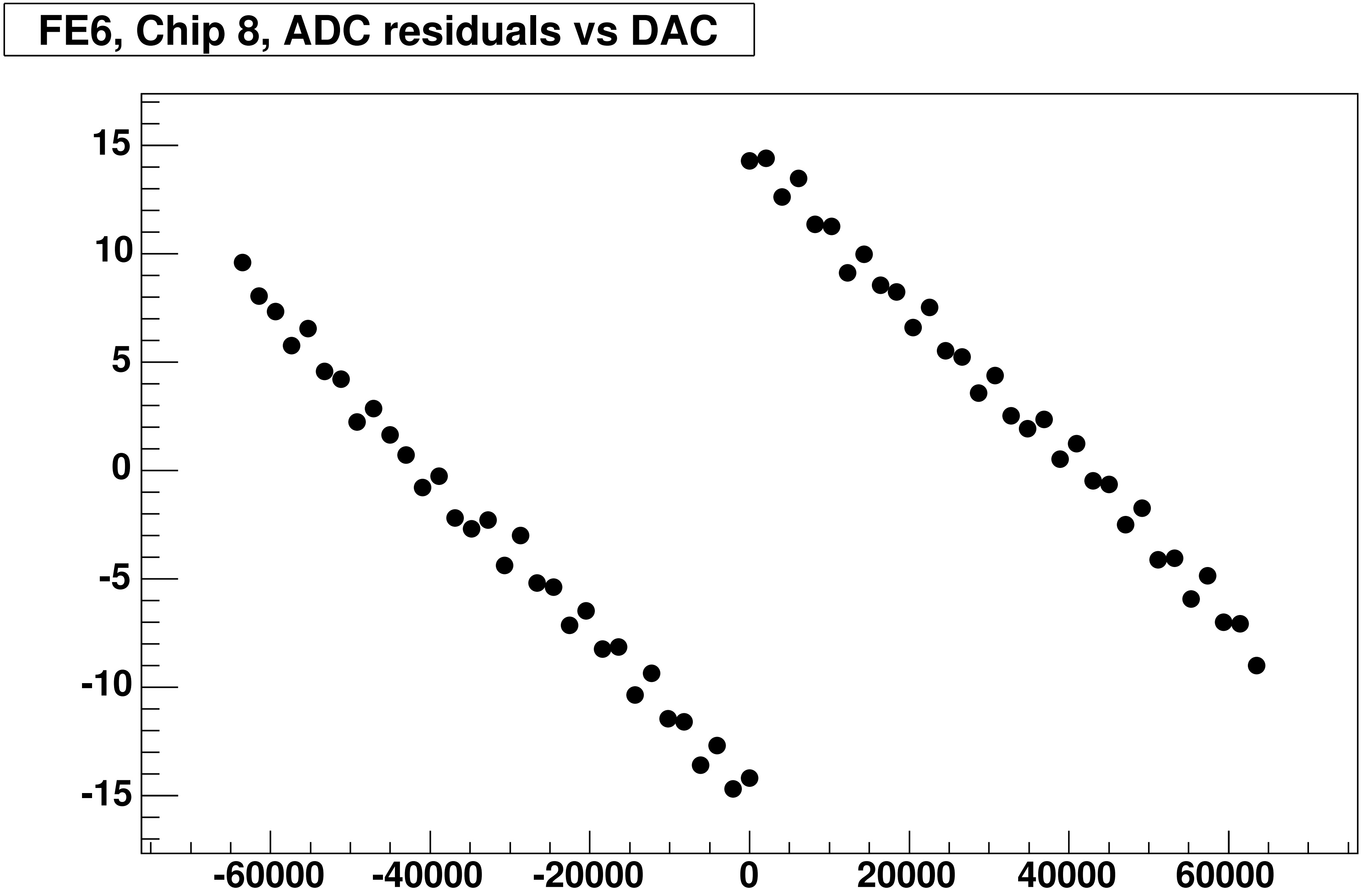

FE6, Chip 7, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

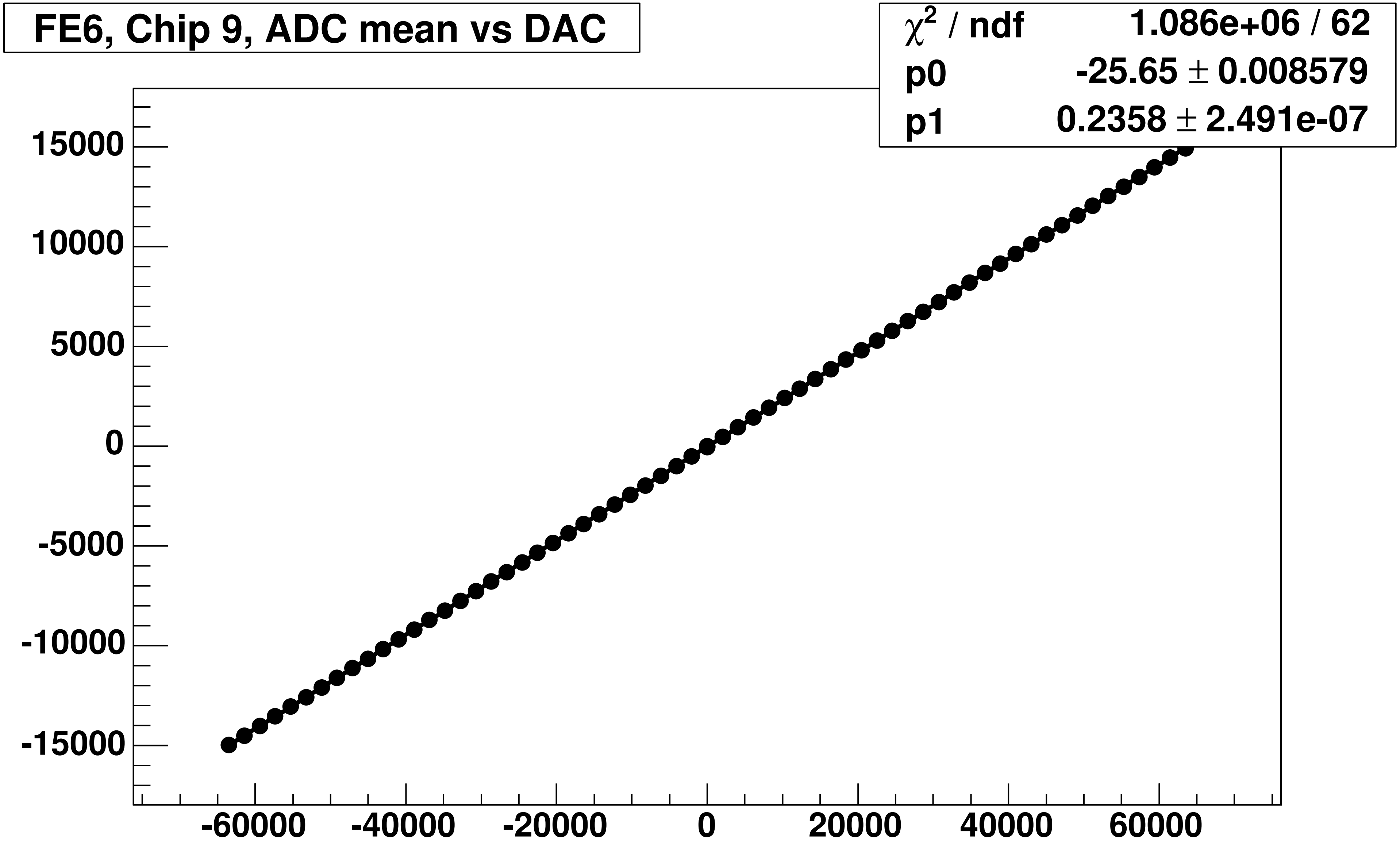

FE6, Chip 7, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



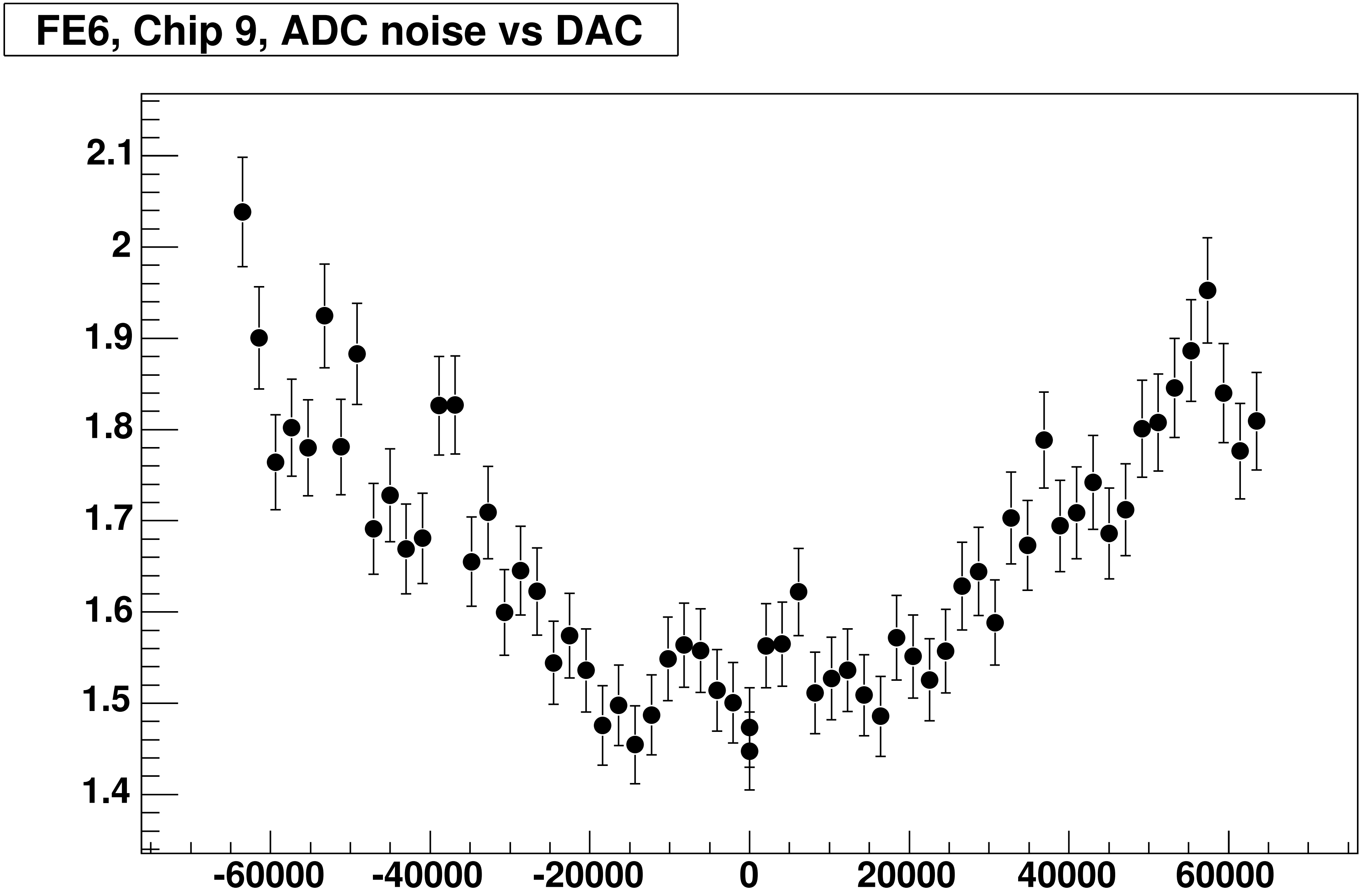
FE6, Chip 8, ADC mean vs DAC
χ^2 / ndf 8.716e+05 / 62
p0 10.94 ± 0.008526
p1 0.2352 ± 2.485e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

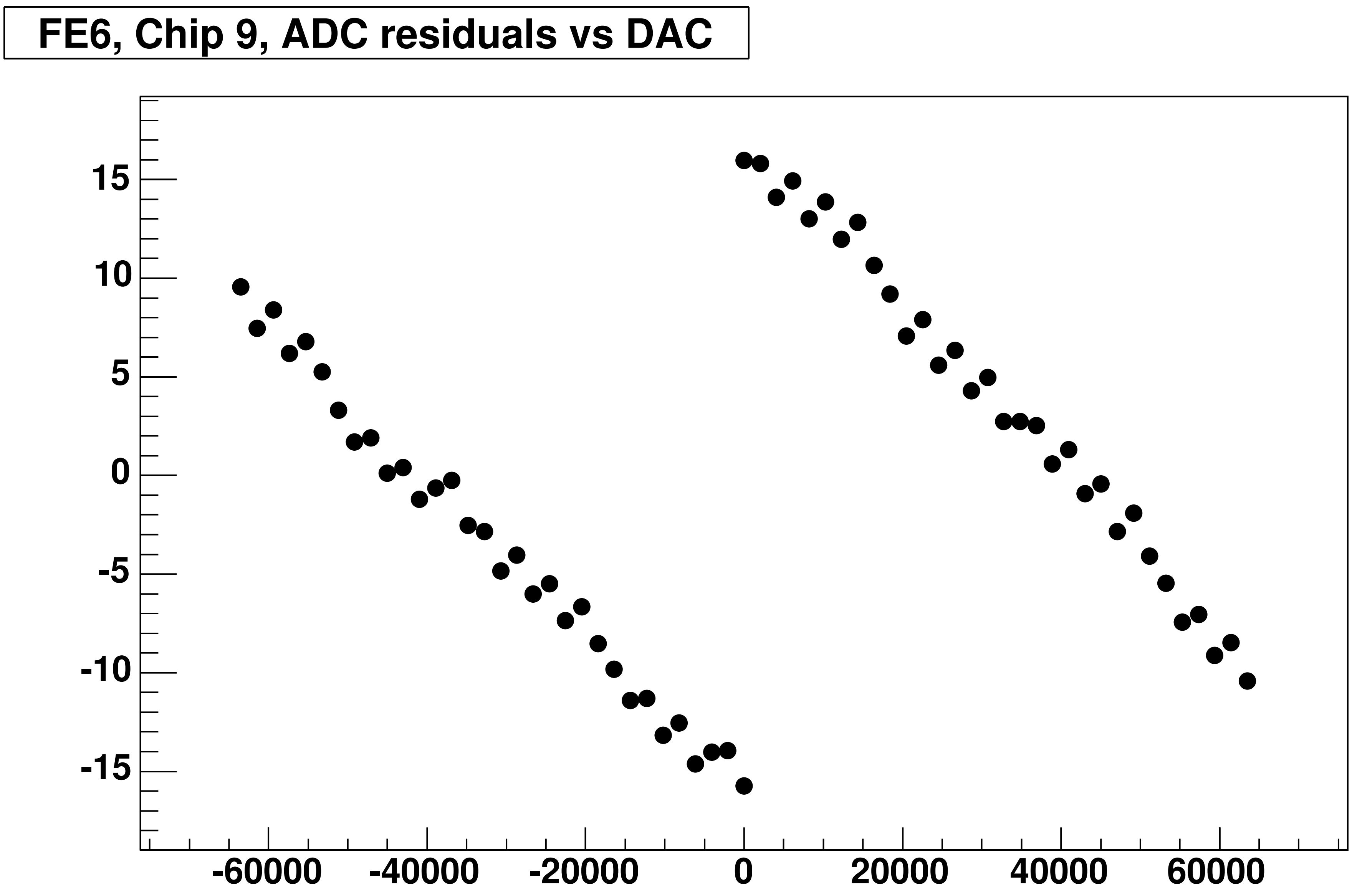

FE6, Chip 8, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

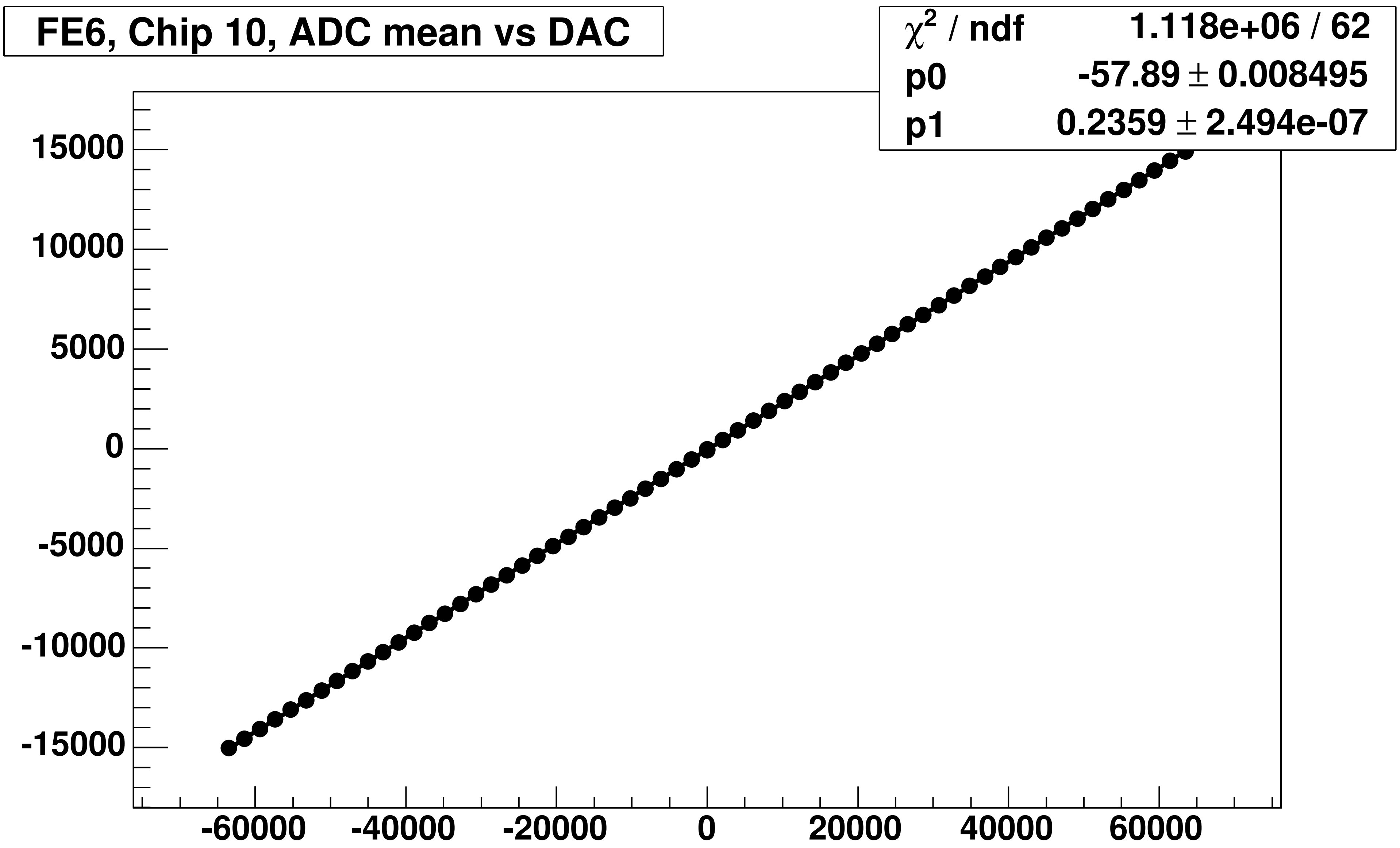


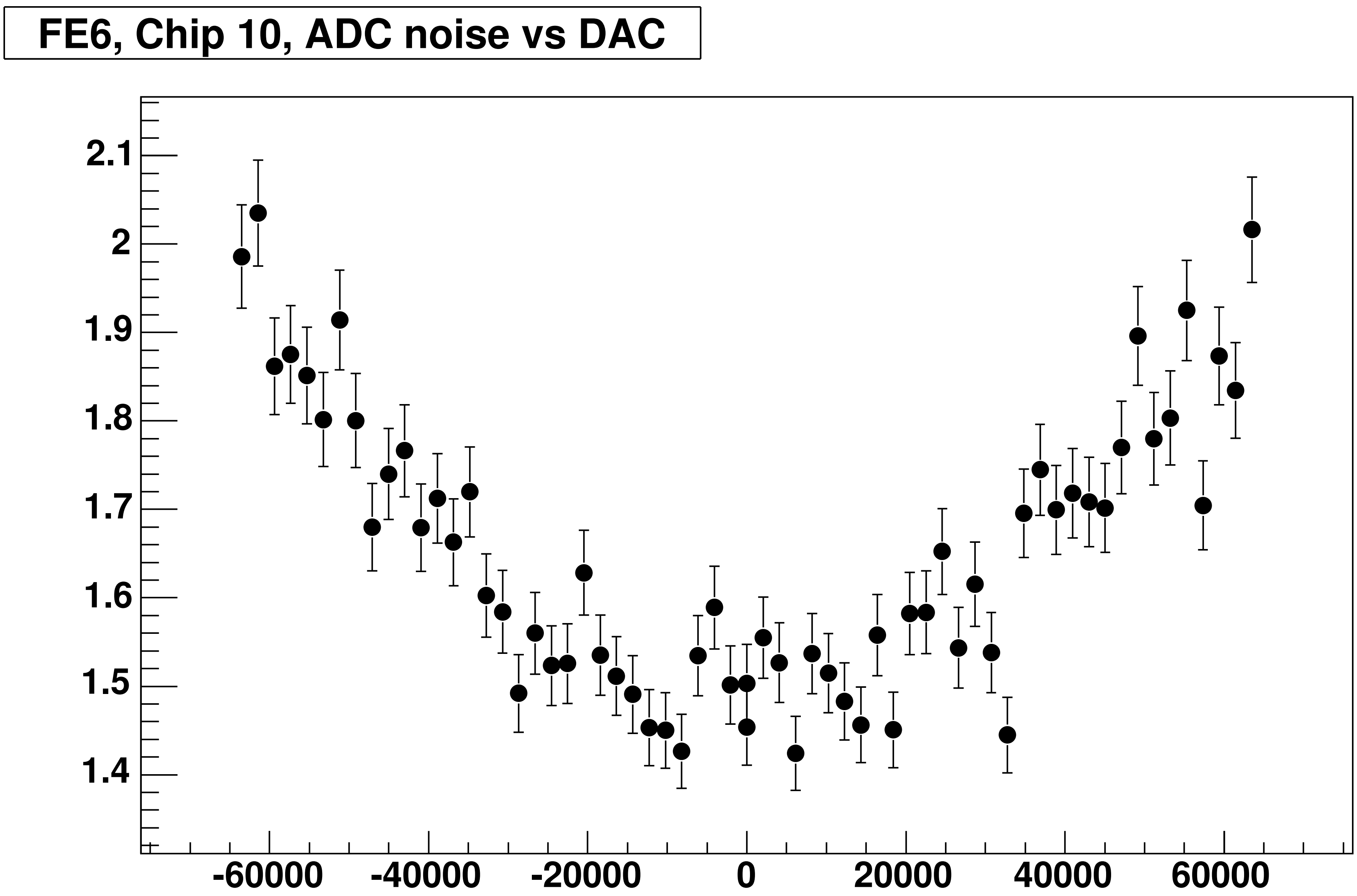
FE6, Chip 9, ADC mean vs DAC
χ^2 / ndf 1.086e+06 / 62
p0 -25.65 ± 0.008579
p1 0.2358 ± 2.491e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

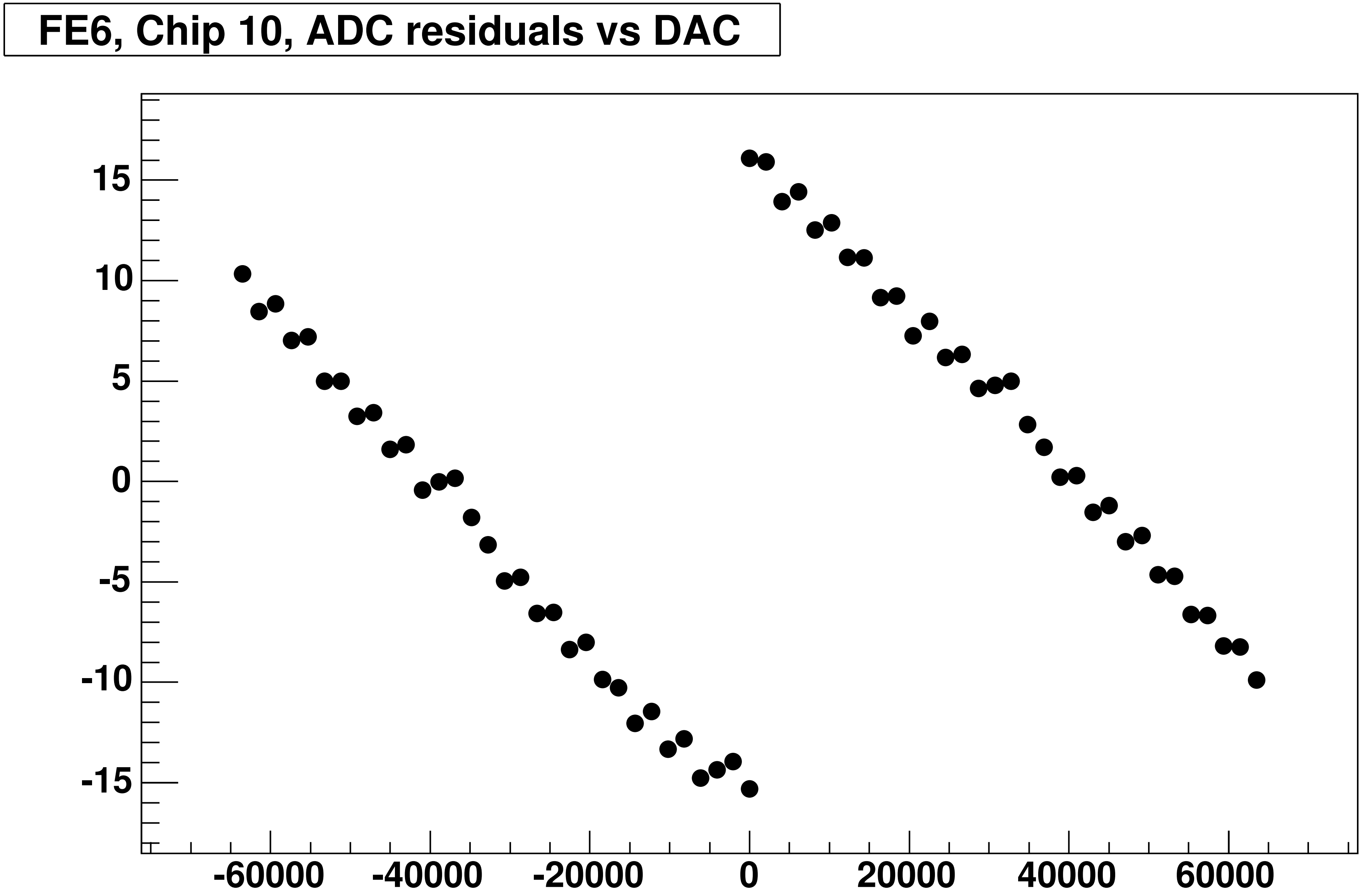


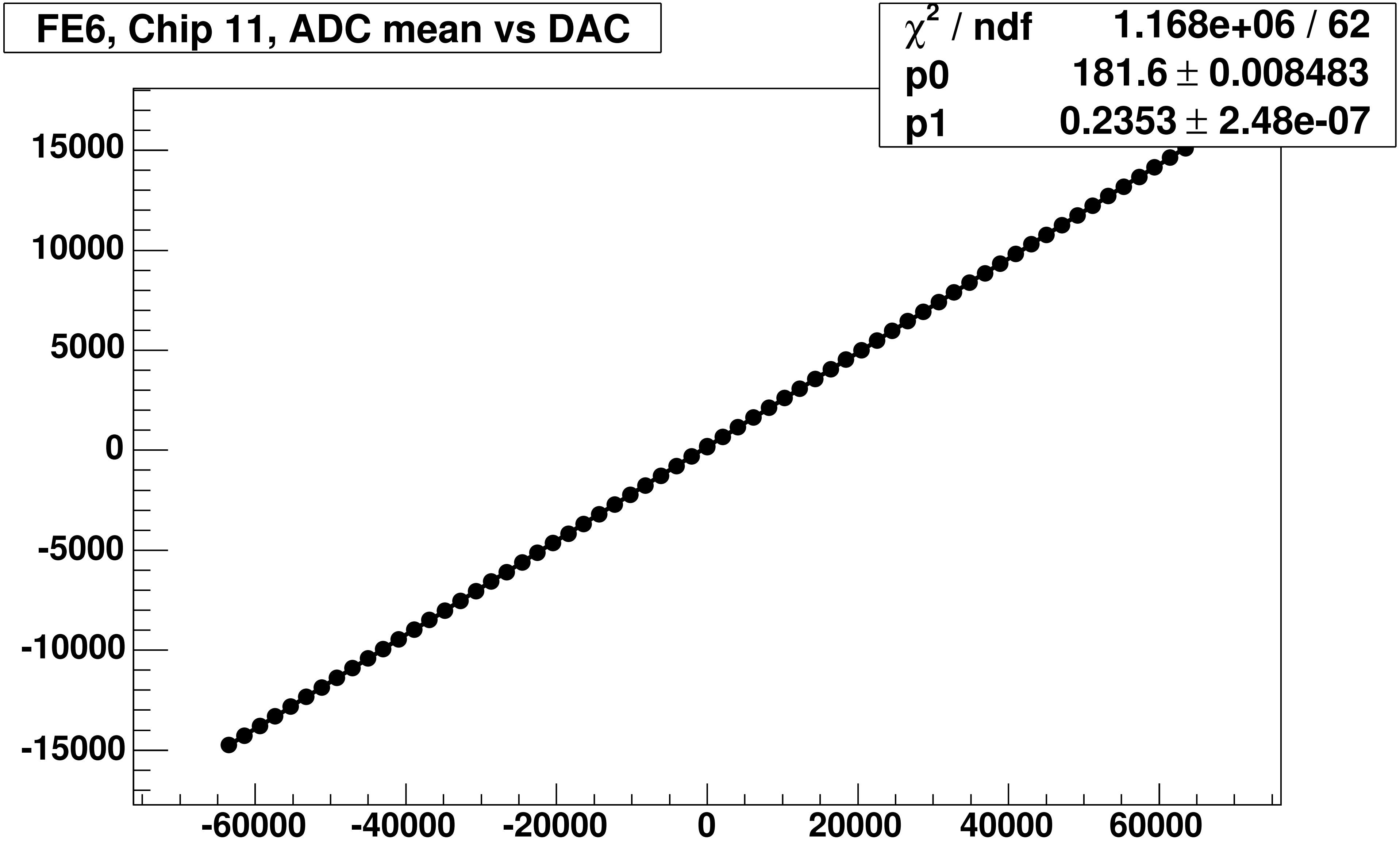
FE6, Chip 9, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 9, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

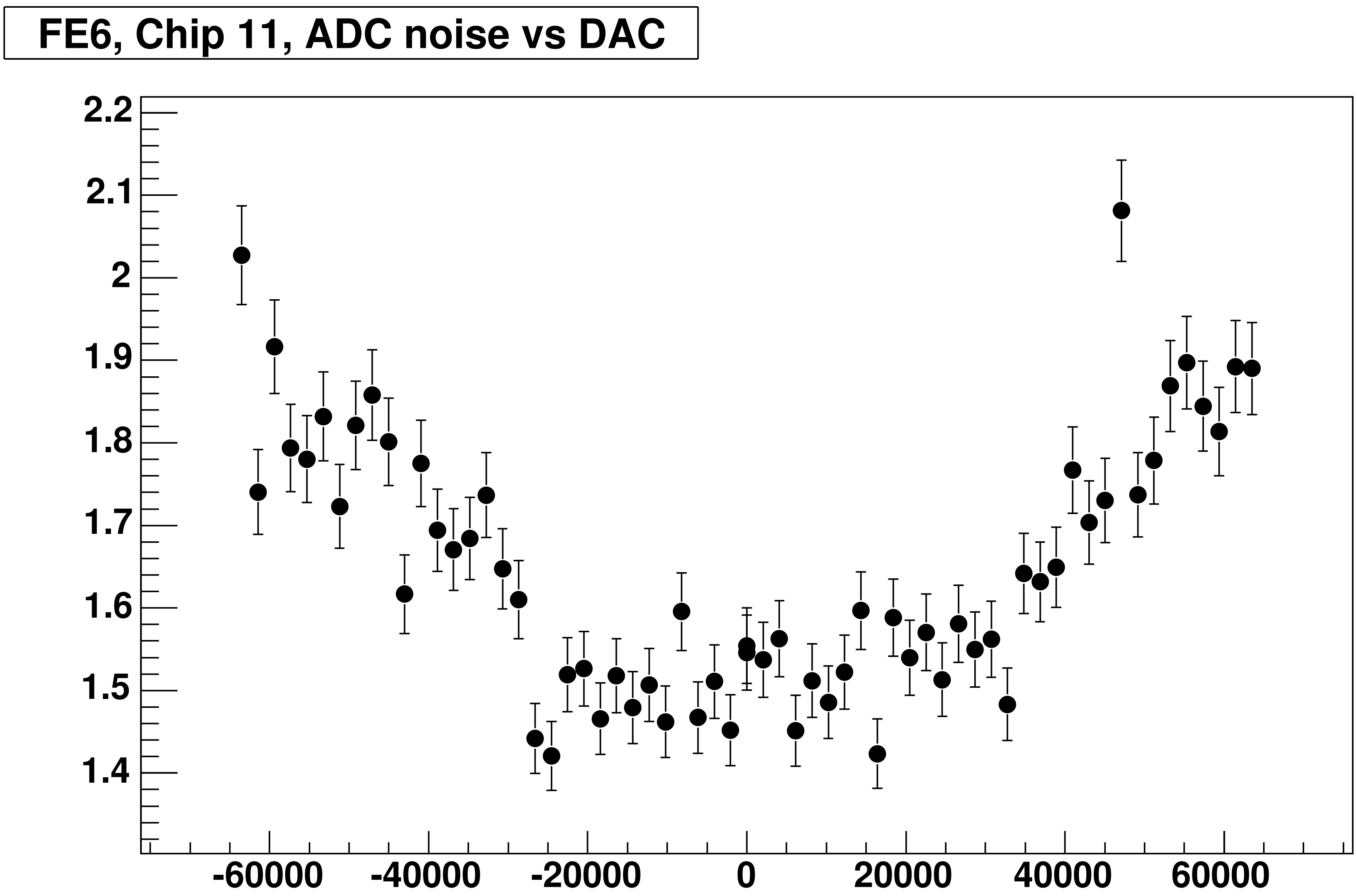

FE6, Chip 10, ADC mean vs DAC
χ^2 / ndf 1.118e+06 / 62
p0 -57.89 ± 0.008495
p1 0.2359 ± 2.494e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 10, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

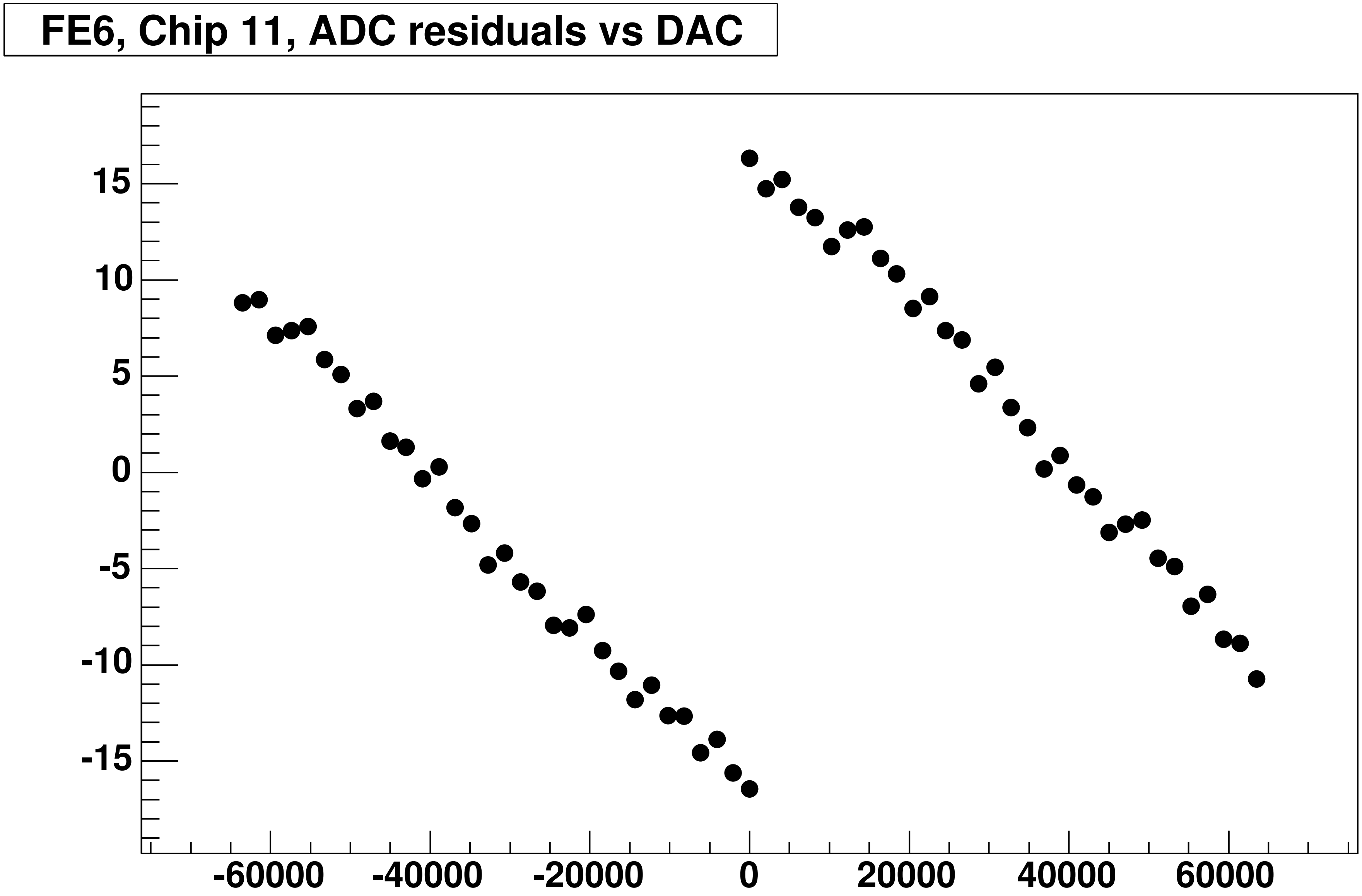

FE6, Chip 10, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

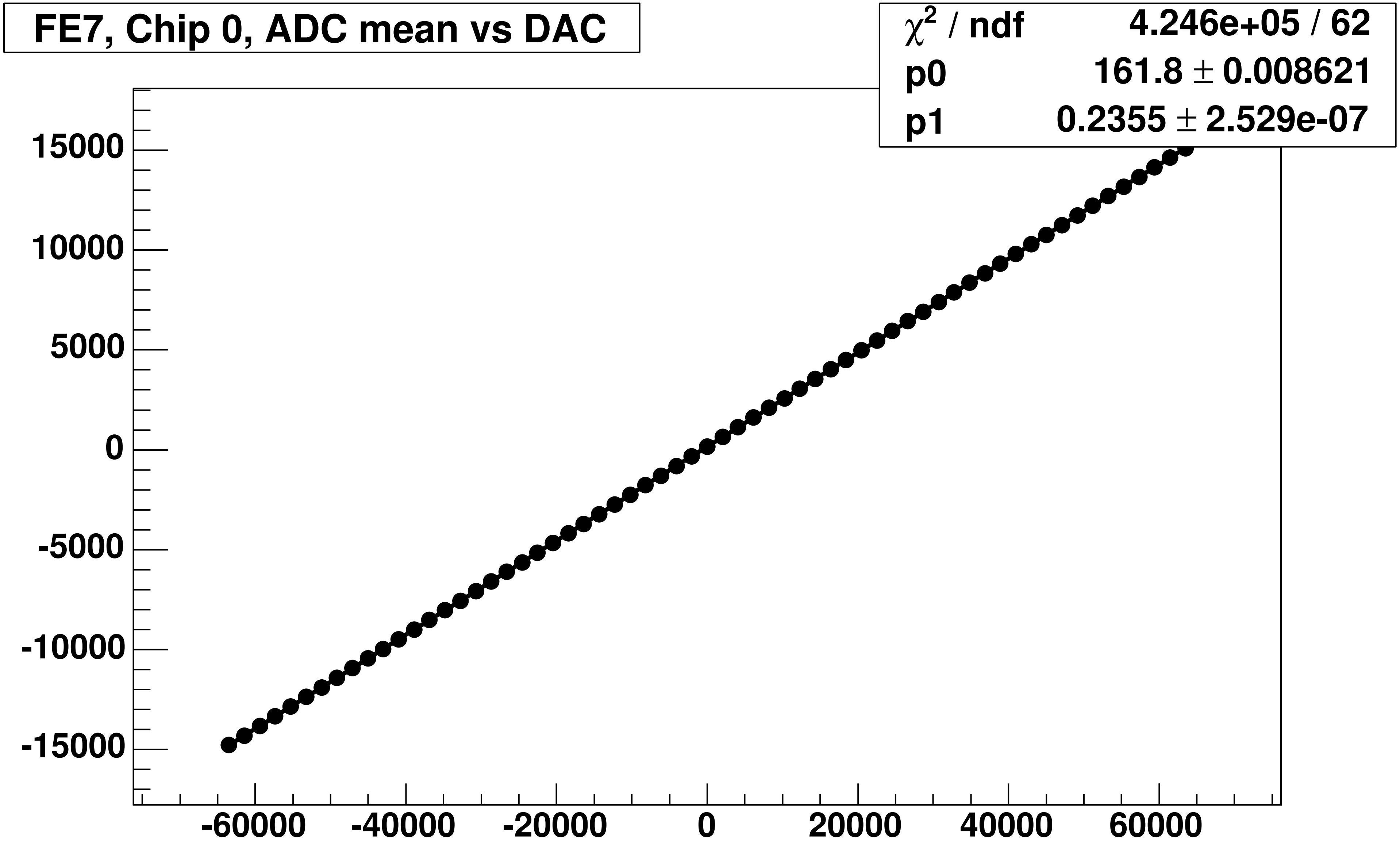


FE6, Chip 11, ADC mean vs DAC
χ² / ndf 1.168e+06 / 62
p0 181.6 ± 0.008483
p1 0.2353 ± 2.48e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

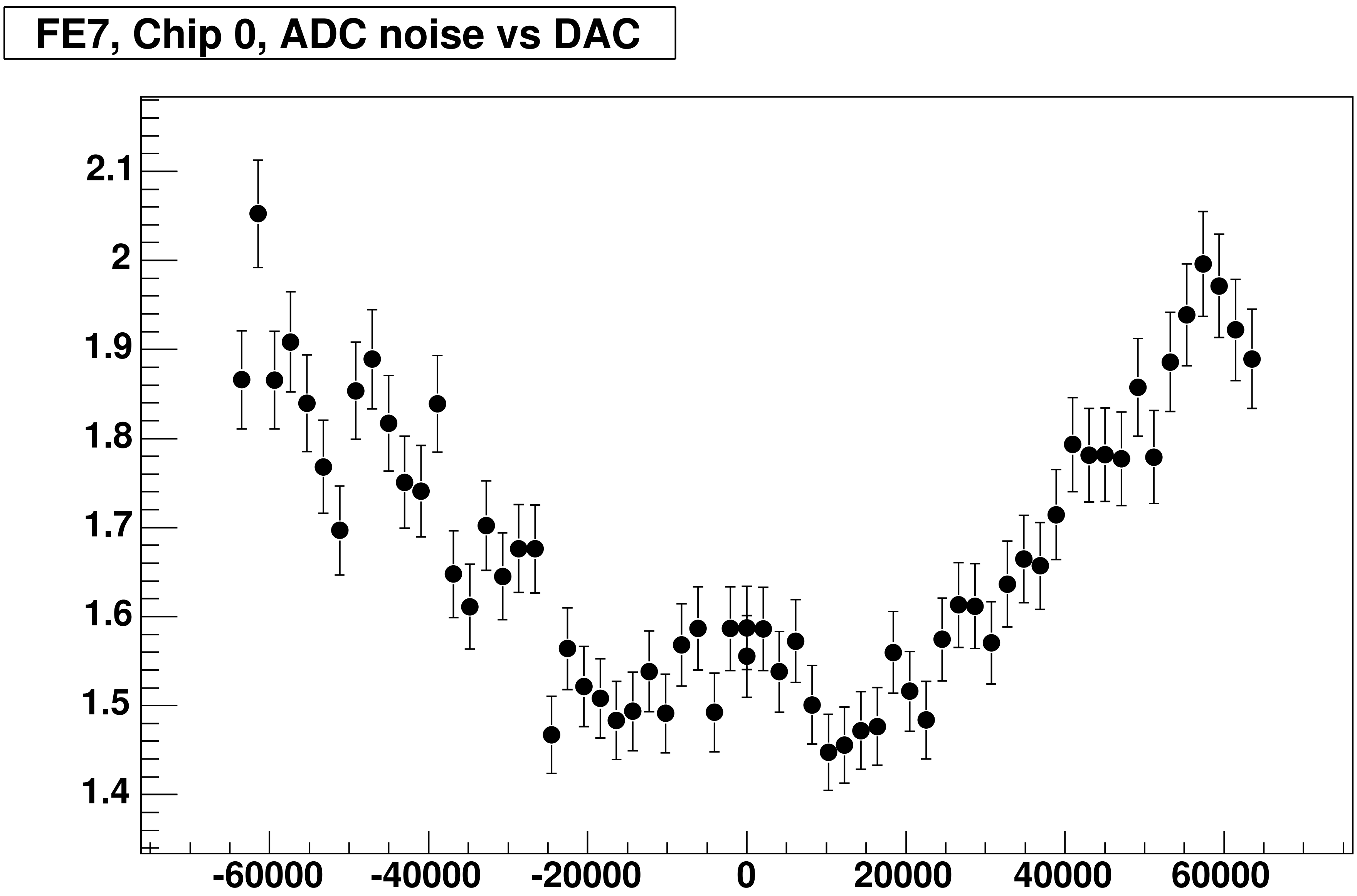


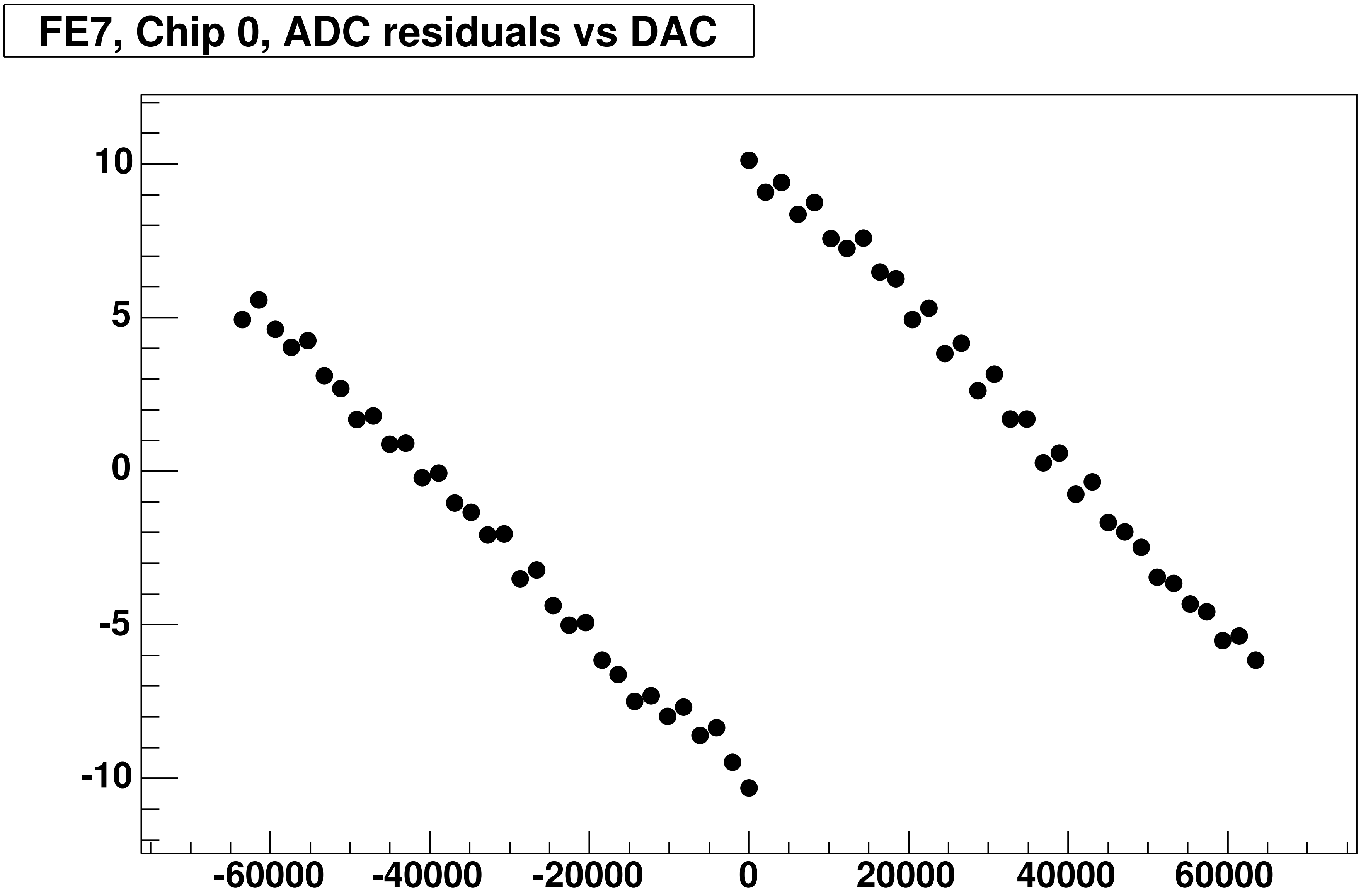
FE6, Chip 11, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 11, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

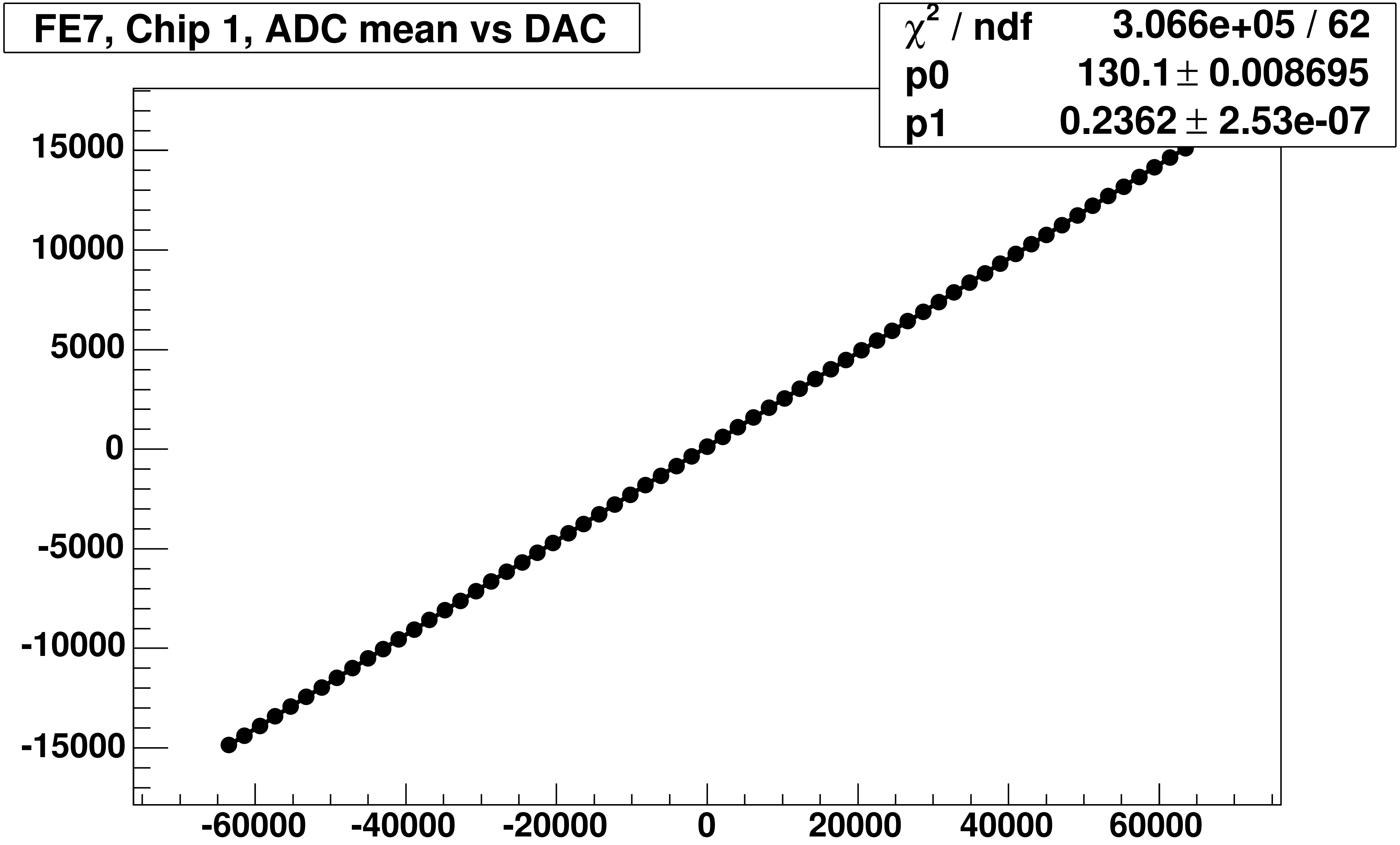


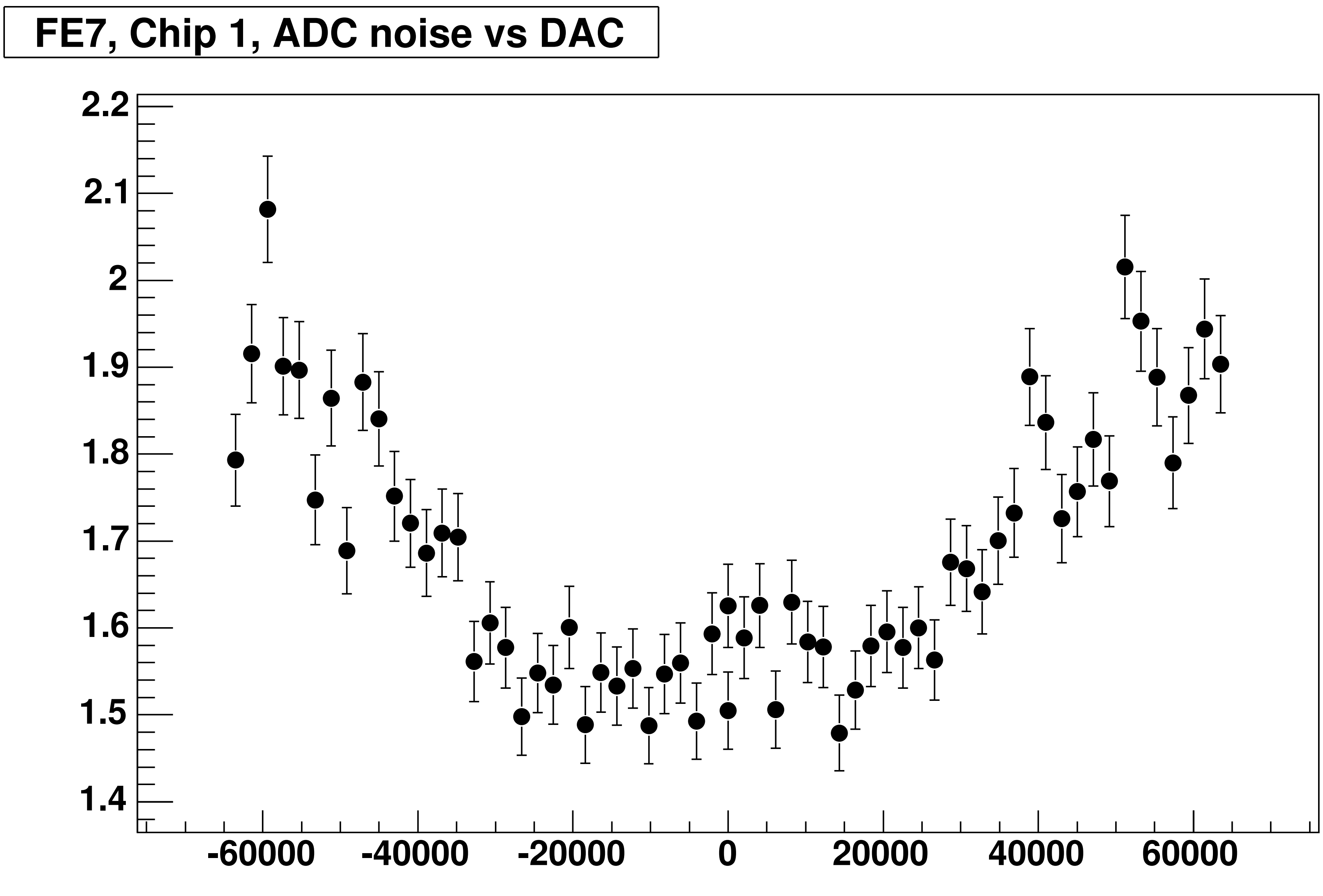
FE7, Chip 0, ADC mean vs DAC
χ^2 / ndf 4.246e+05 / 62
p0 161.8 ± 0.008621
p1 0.2355 ± 2.529e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

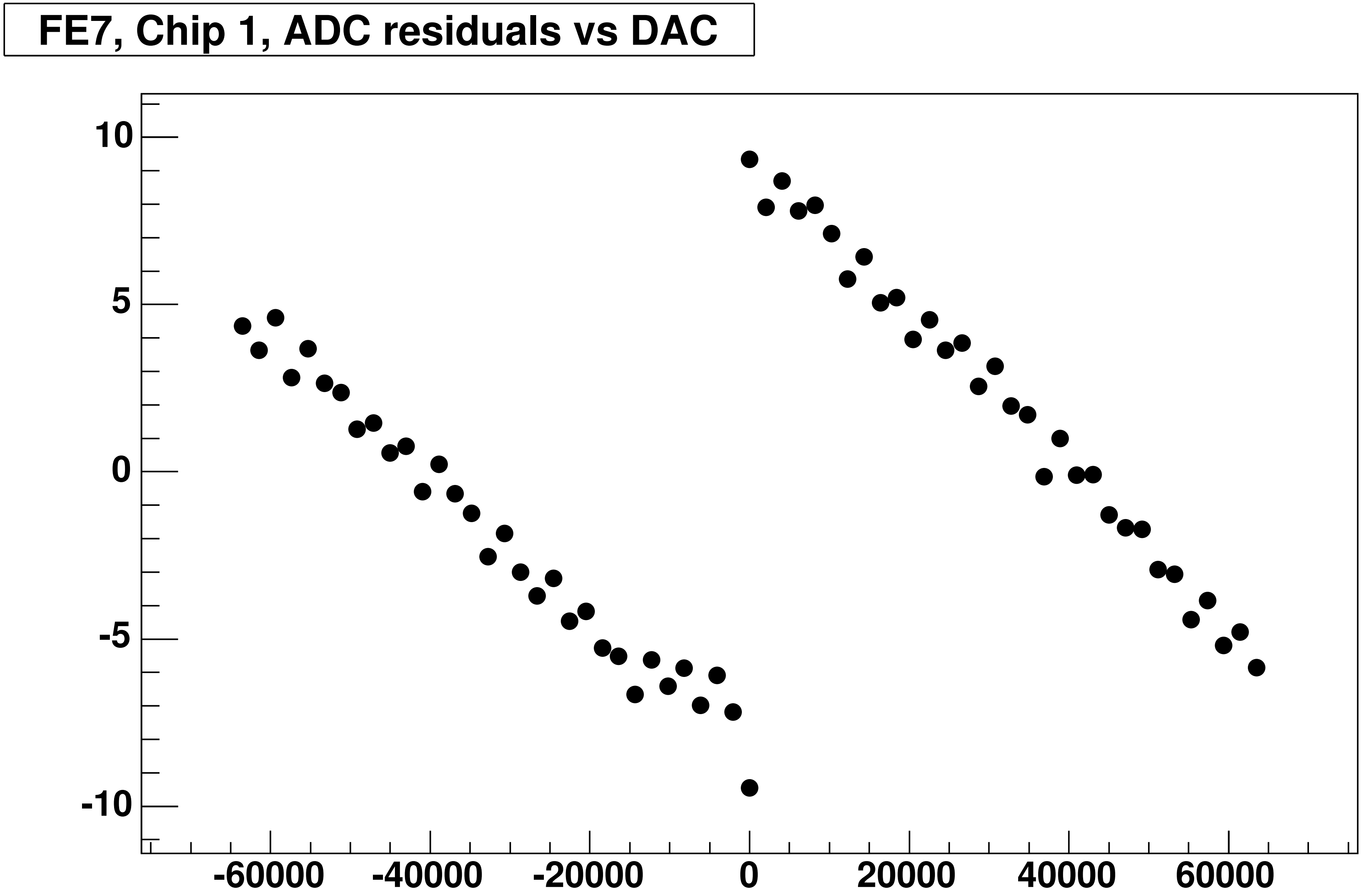

FE7, Chip 0, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

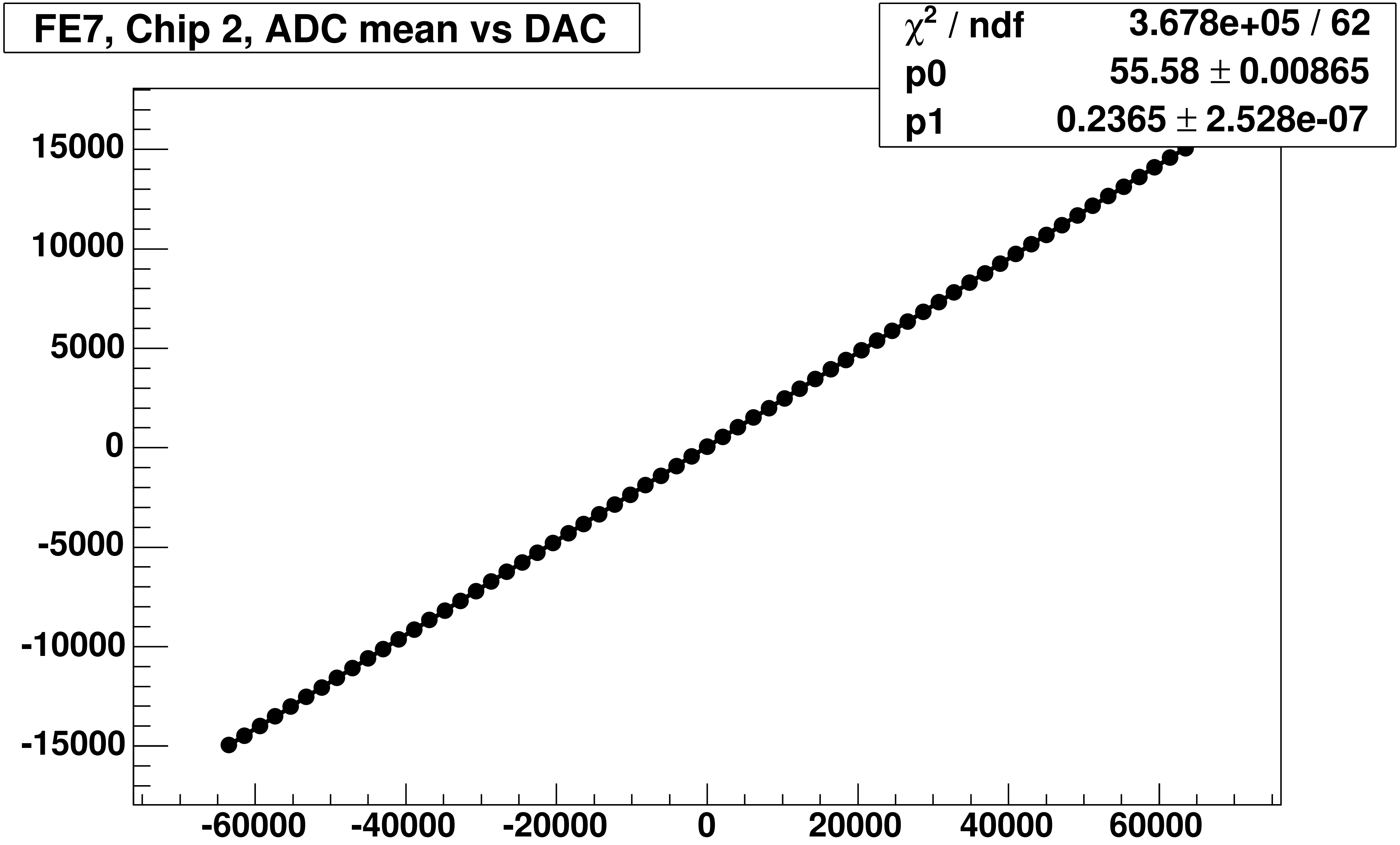


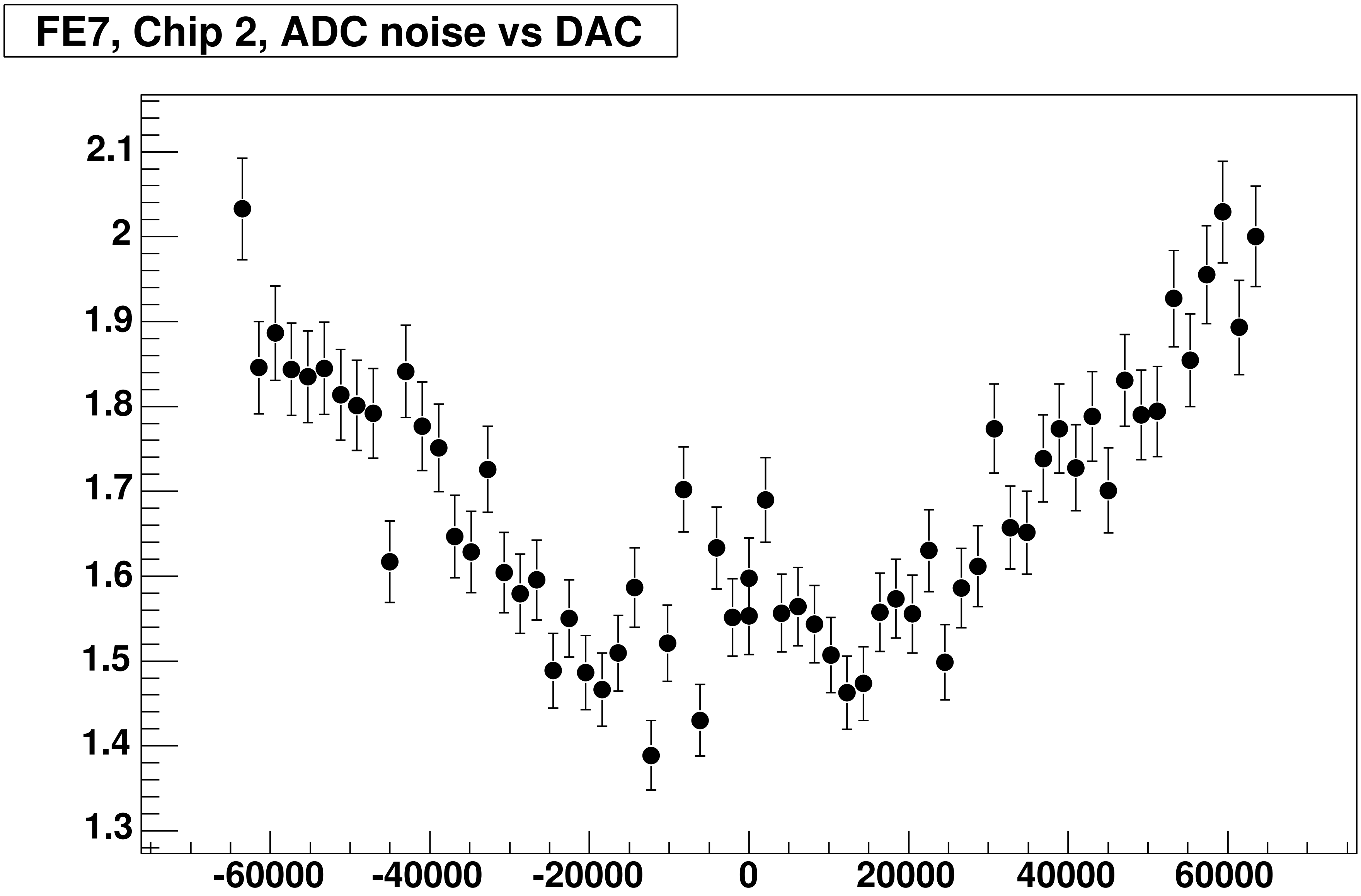
FE7, Chip 0, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

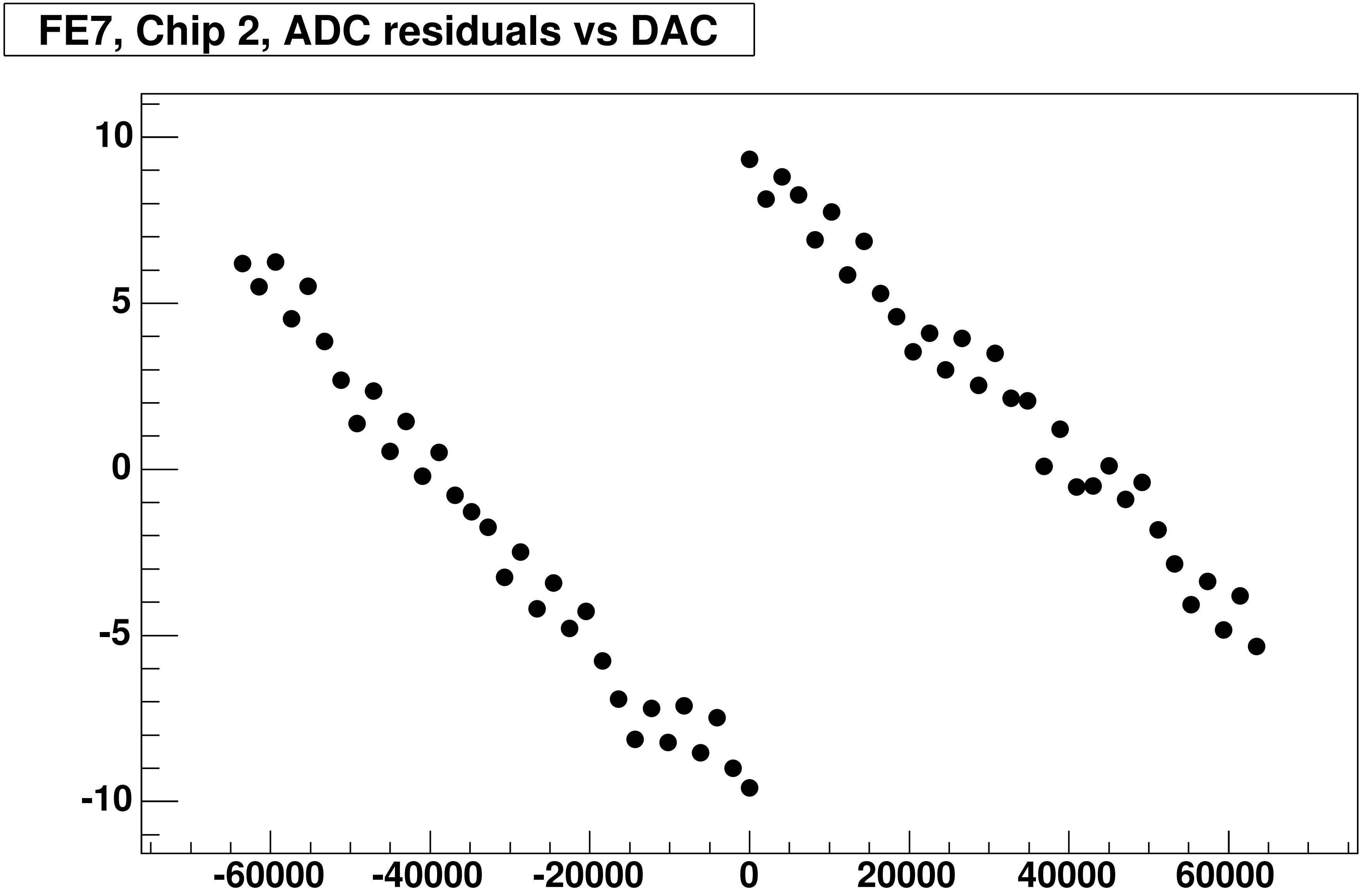

FE7, Chip 1, ADC mean vs DAC
χ^2 / ndf 3.066e+05 / 62
p0 130.1 ± 0.008695
p1 0.2362 ± 2.53e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

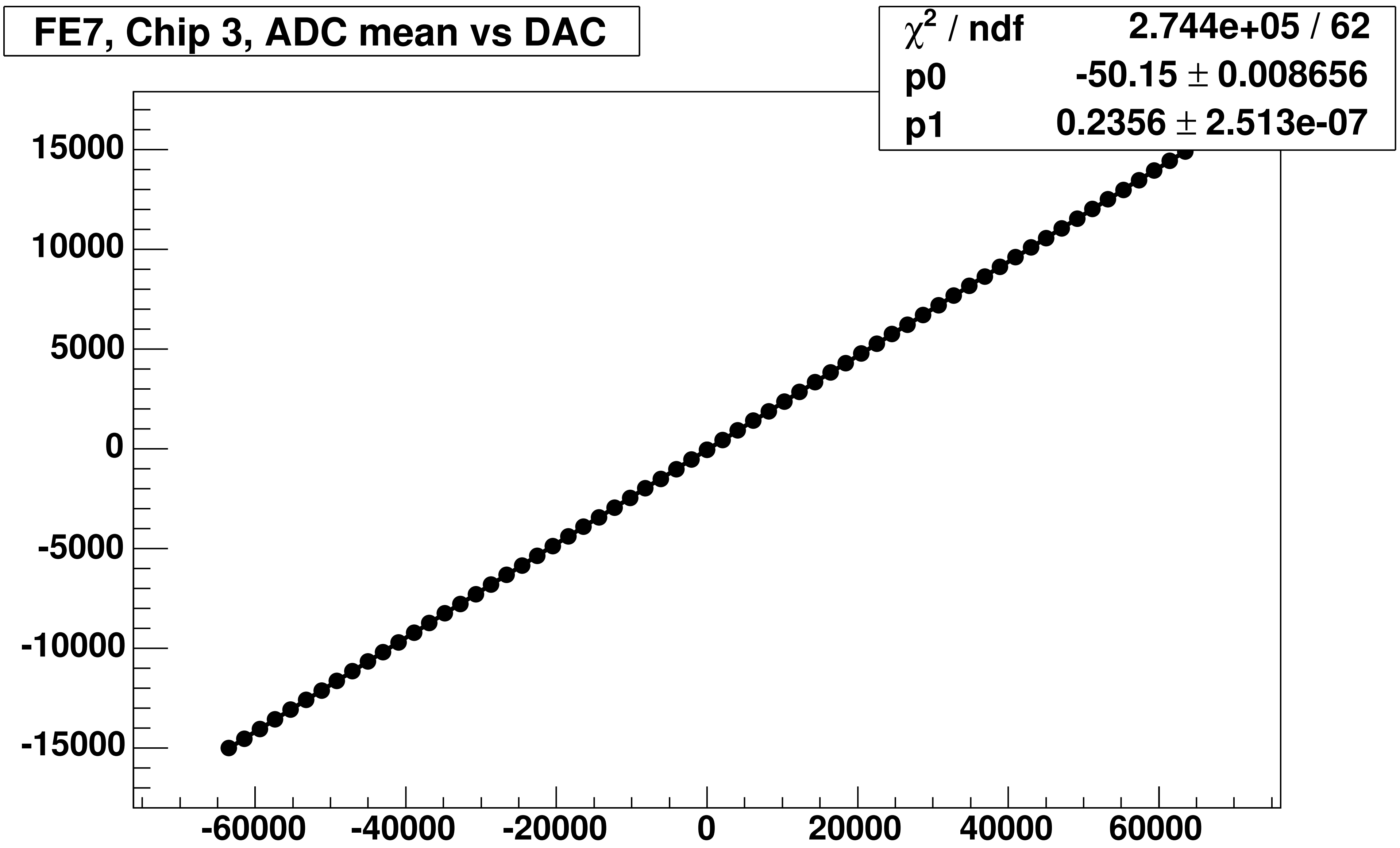

FE7, Chip 1, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 1, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

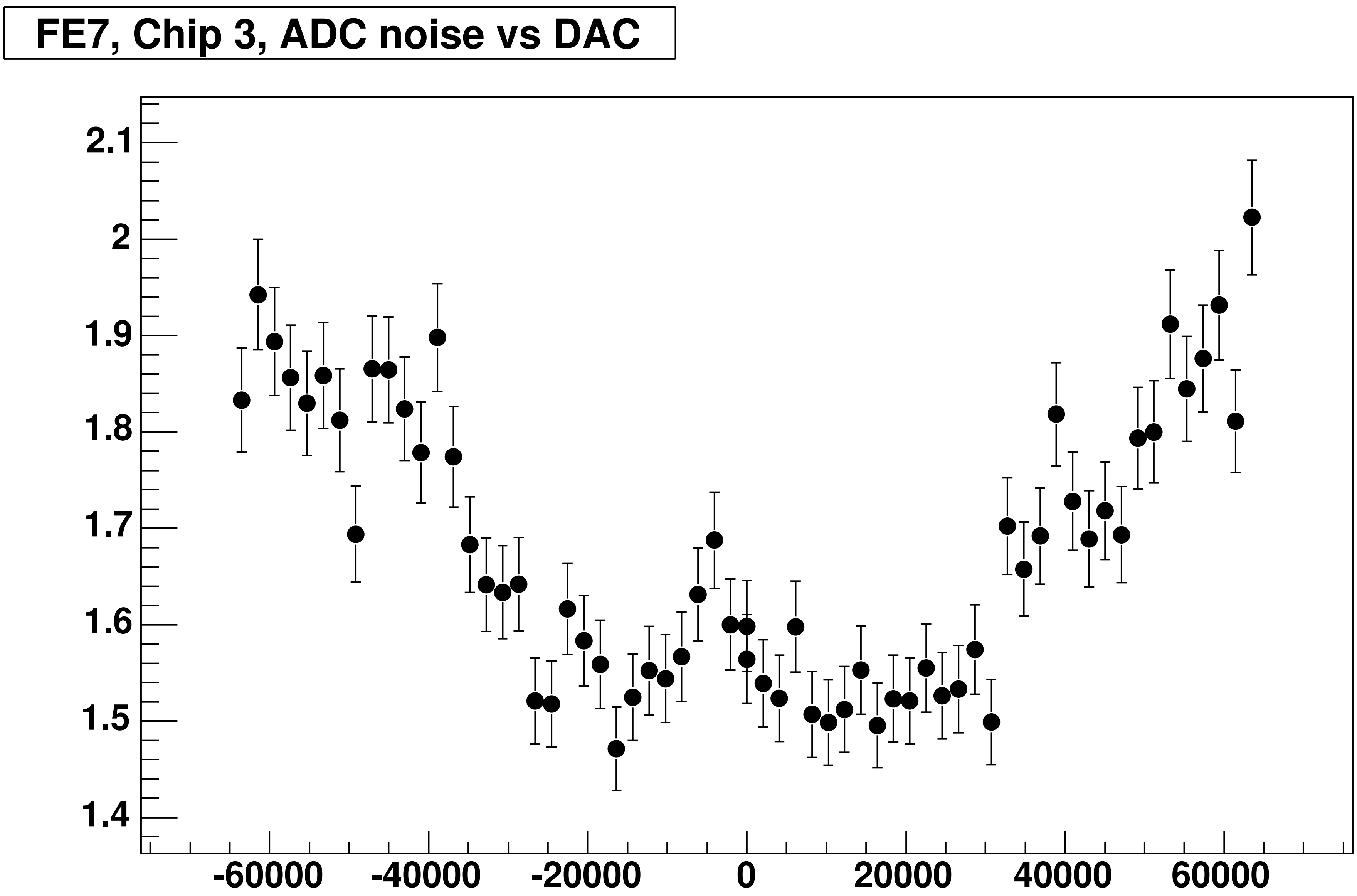

FE7, Chip 2, ADC mean vs DAC
χ2 / ndf 3.678e+05 / 62
p0 55.58 ± 0.00865
p1 0.2365 ± 2.528e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

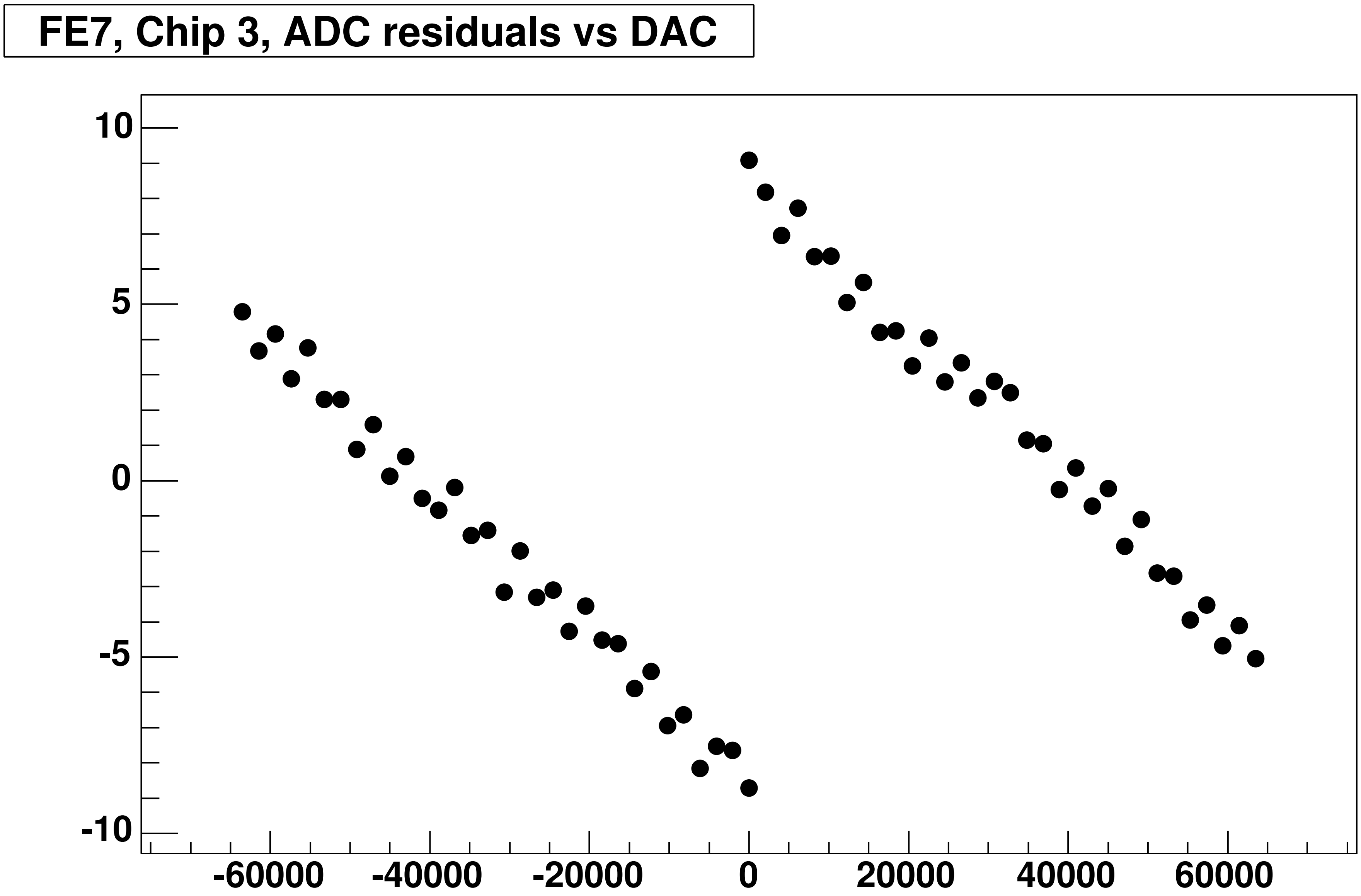

FE7, Chip 2, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

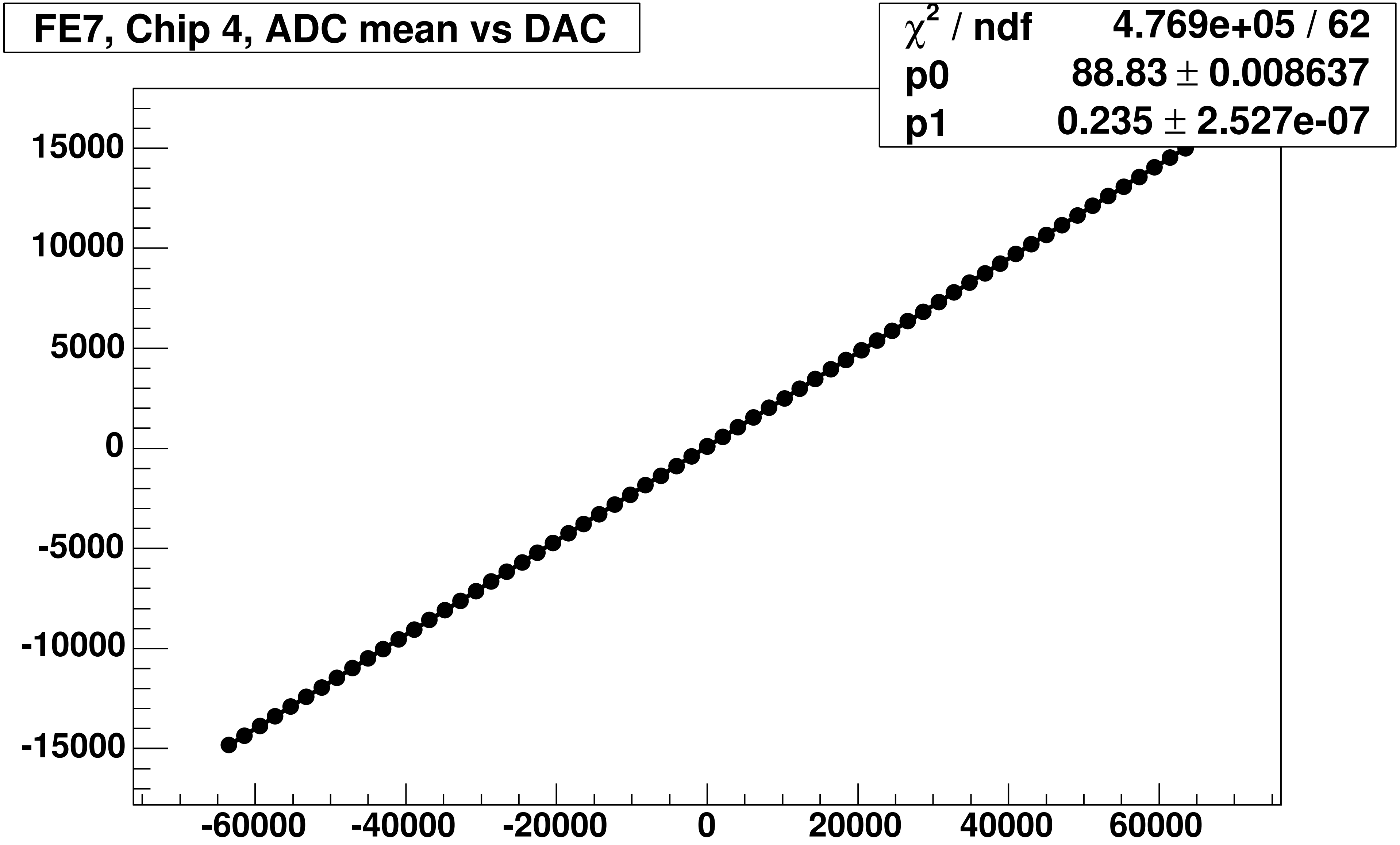

FE7, Chip 2, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000



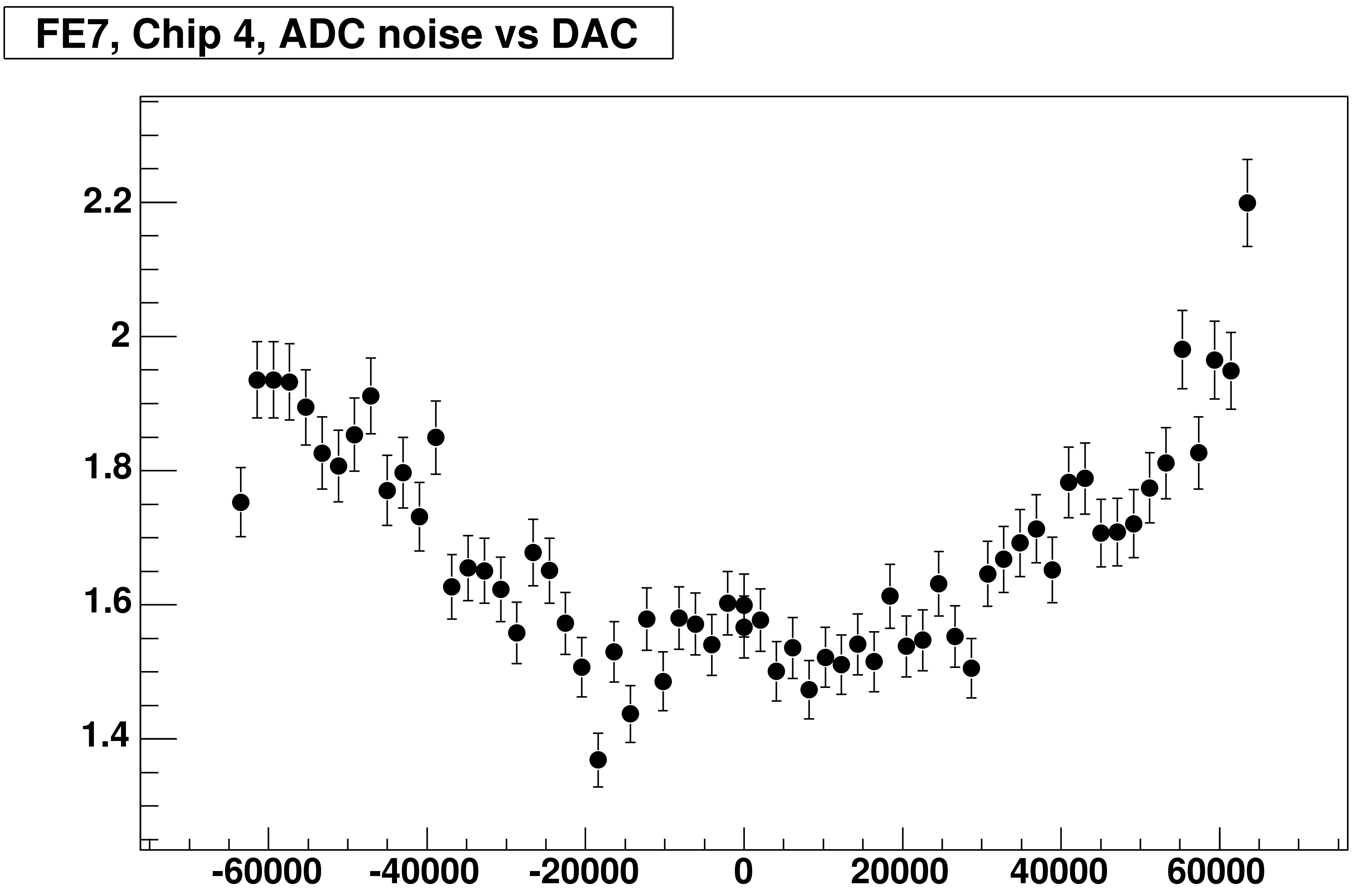
FE7, Chip 3, ADC mean vs DAC
χ^2 / ndf 2.744e+05 / 62
p0 -50.15 ± 0.008656
p1 0.2356 ± 2.513e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

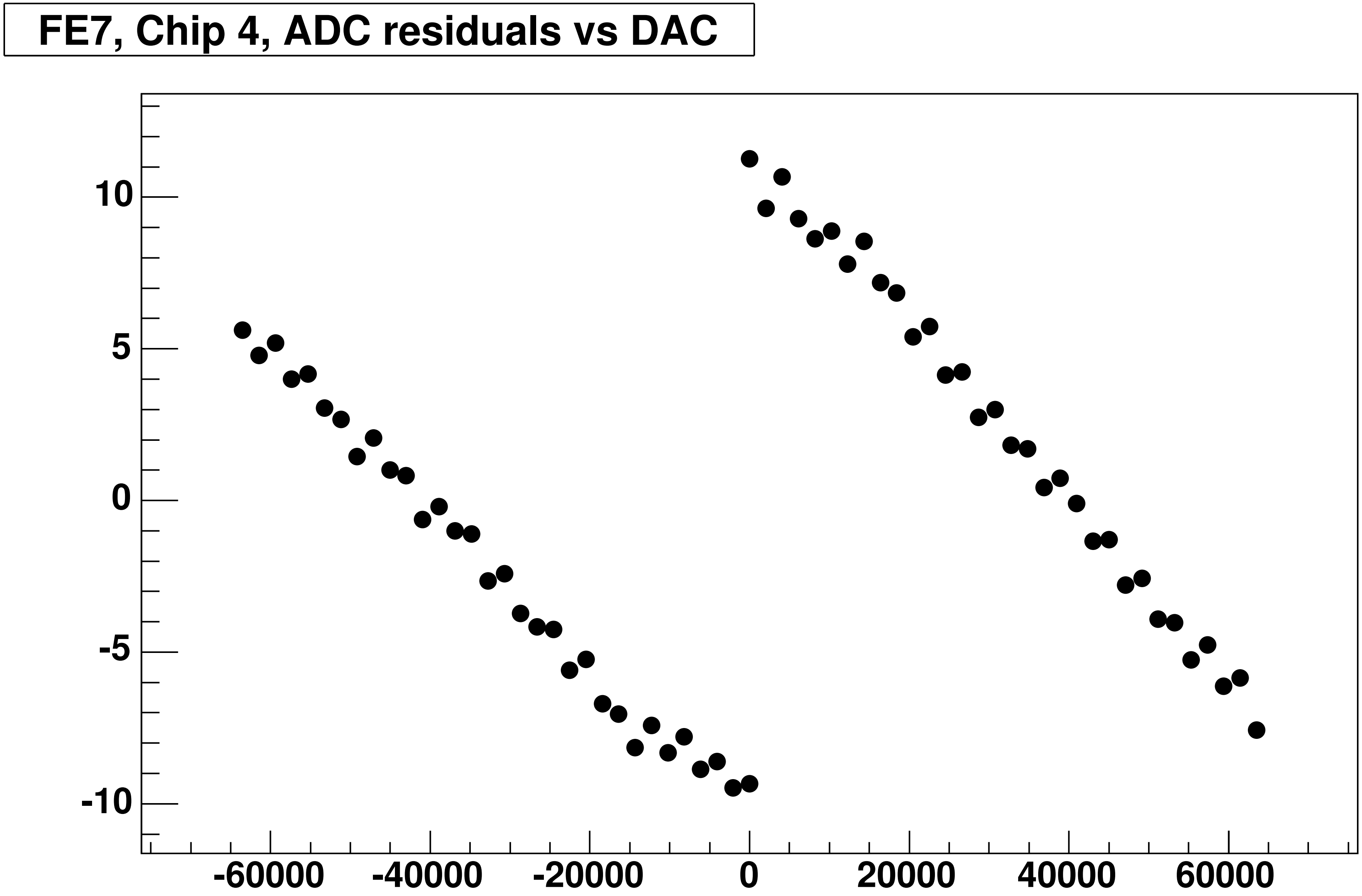

FE7, Chip 3, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

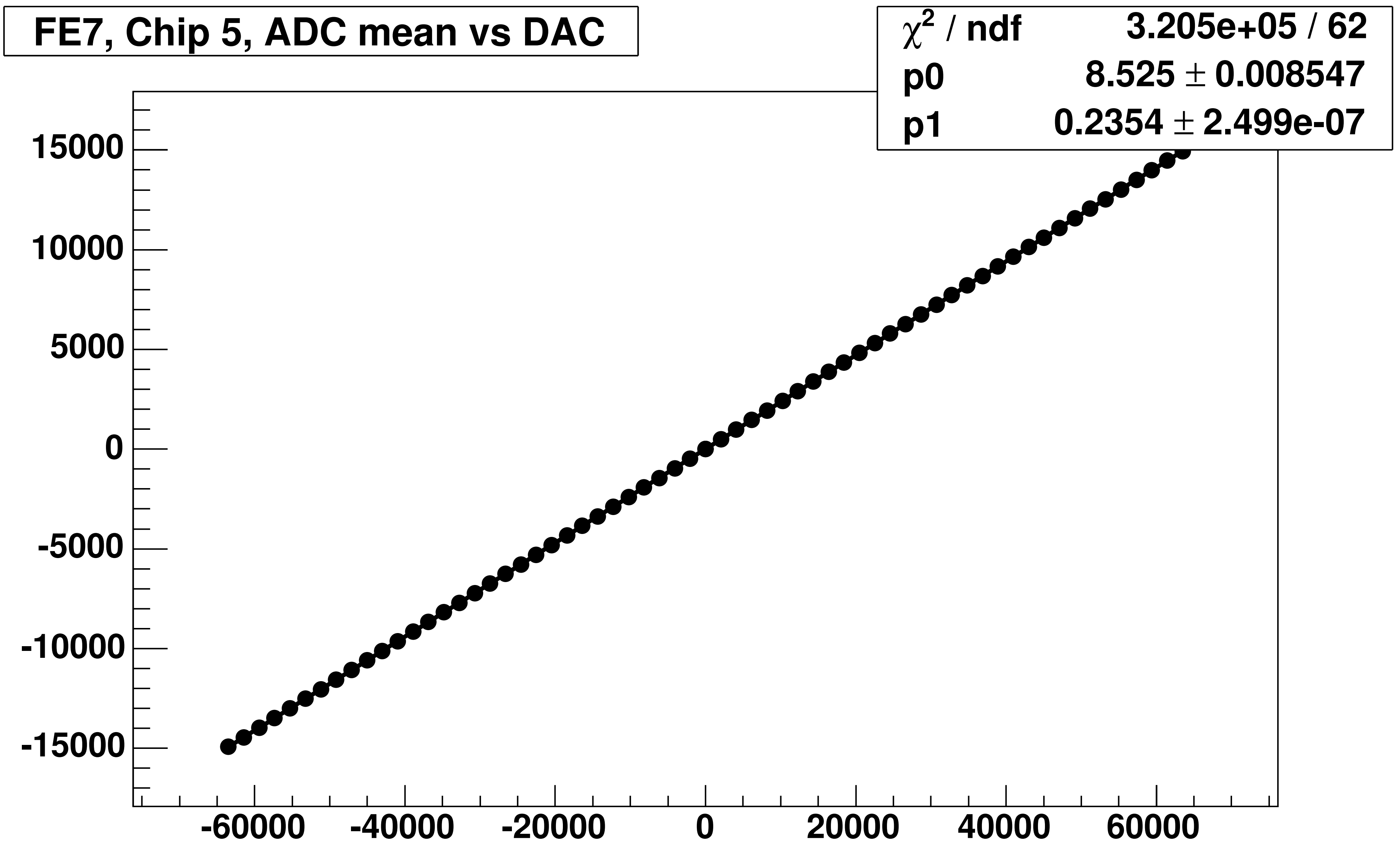

FE7, Chip 3, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000



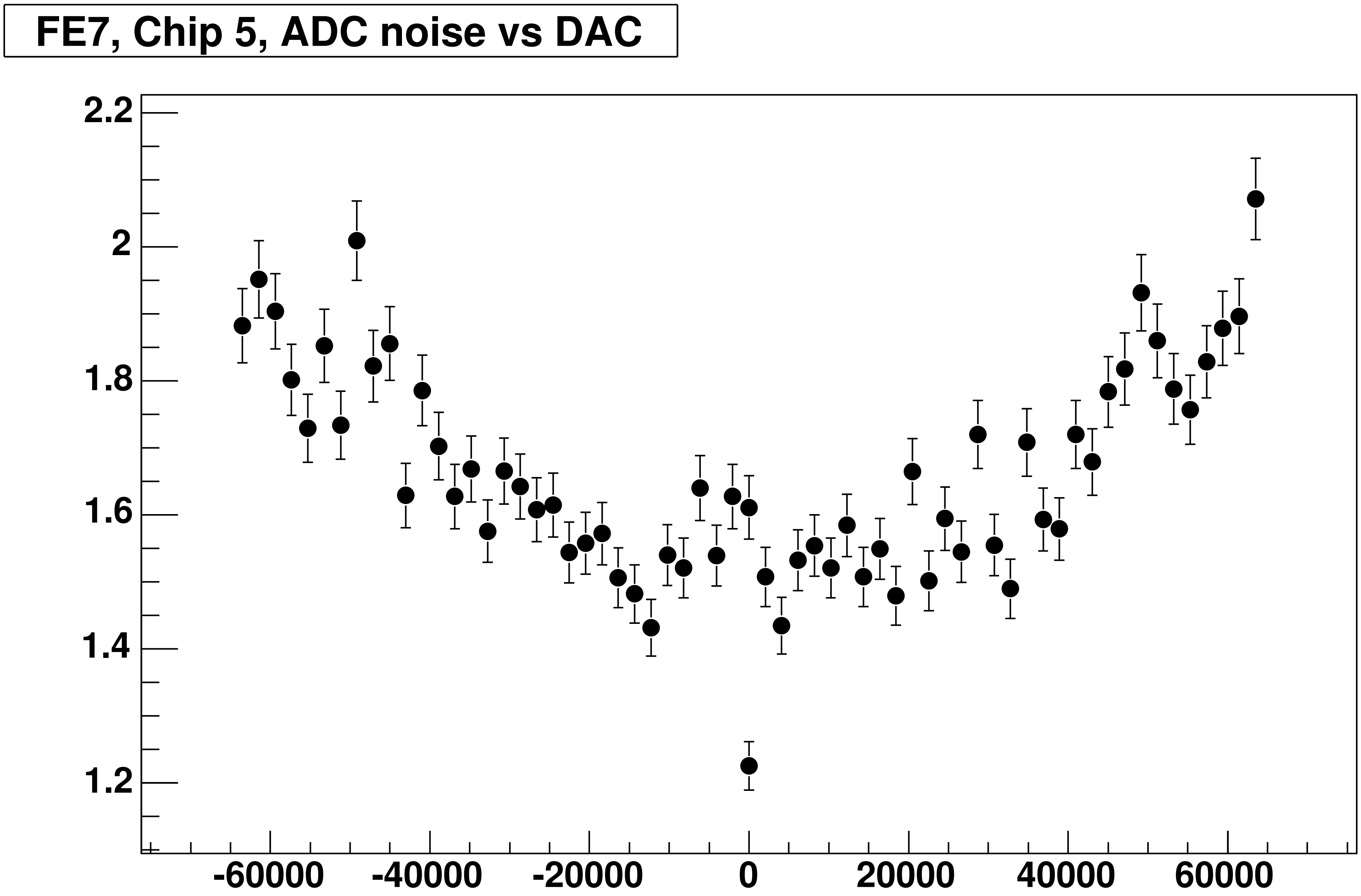
FE7, Chip 4, ADC mean vs DAC
χ^2 / ndf 4.769e+05 / 62
p0 88.83 ± 0.008637
p1 0.235 ± 2.527e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

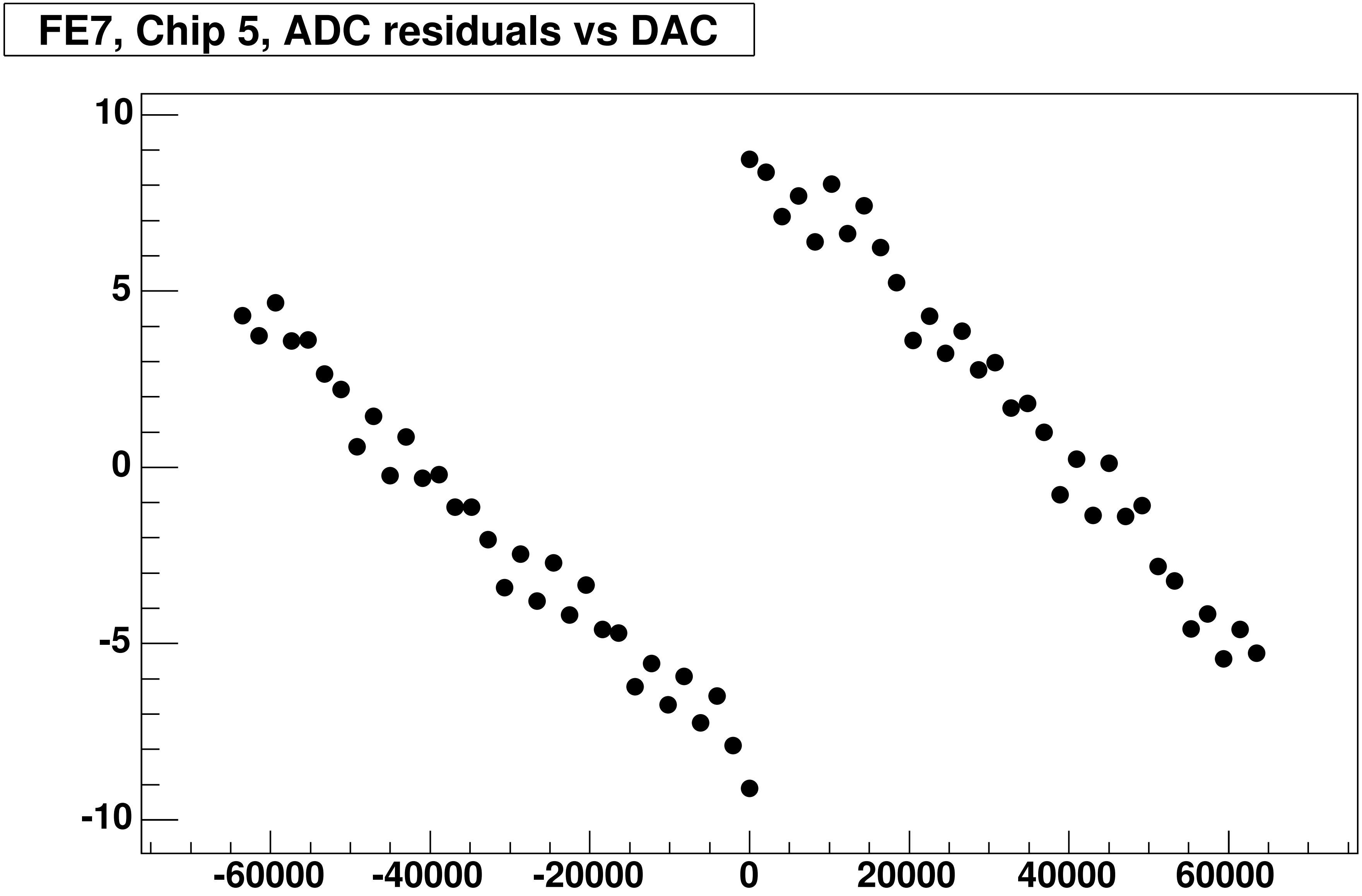

FE7, Chip 4, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 4, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

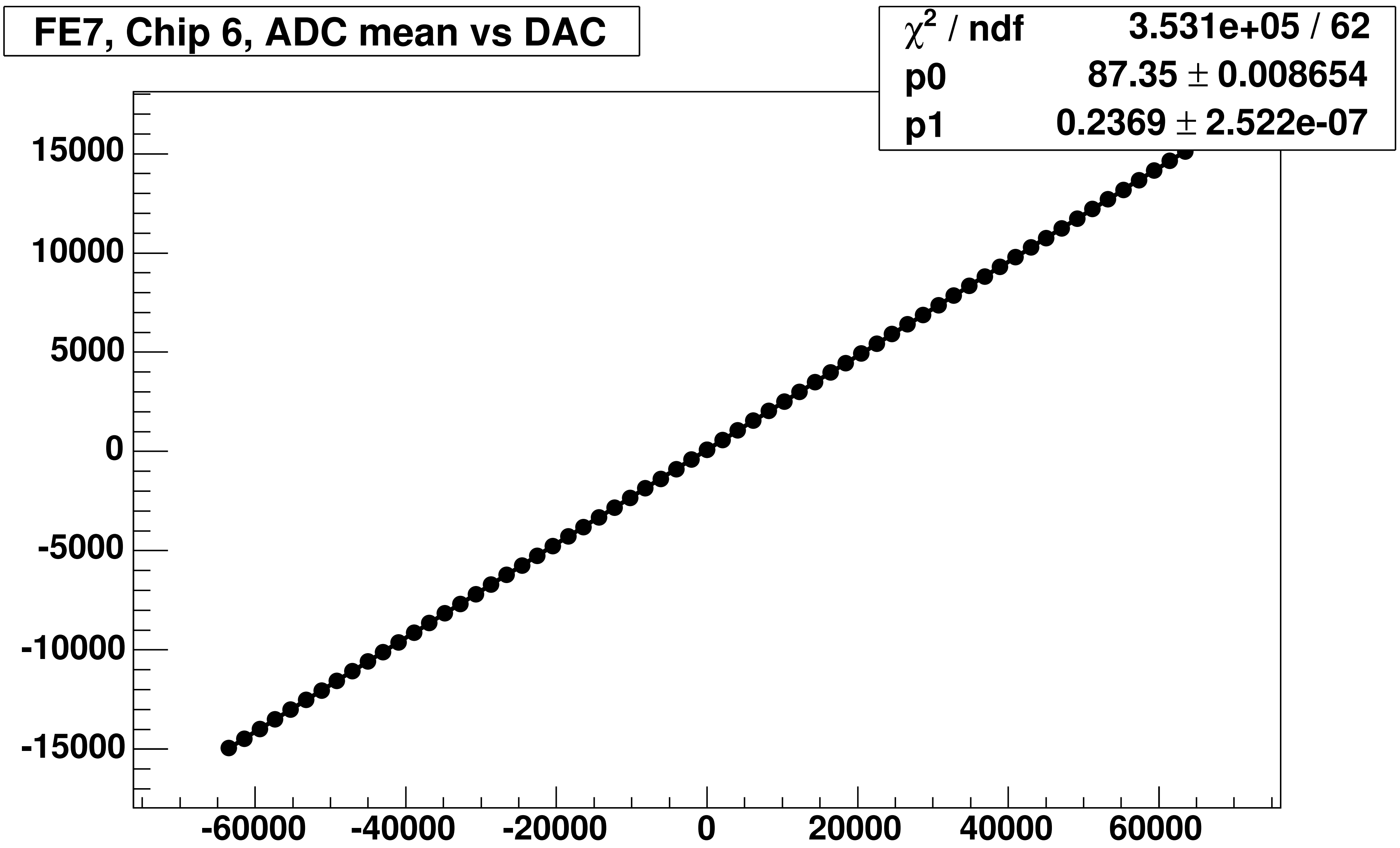


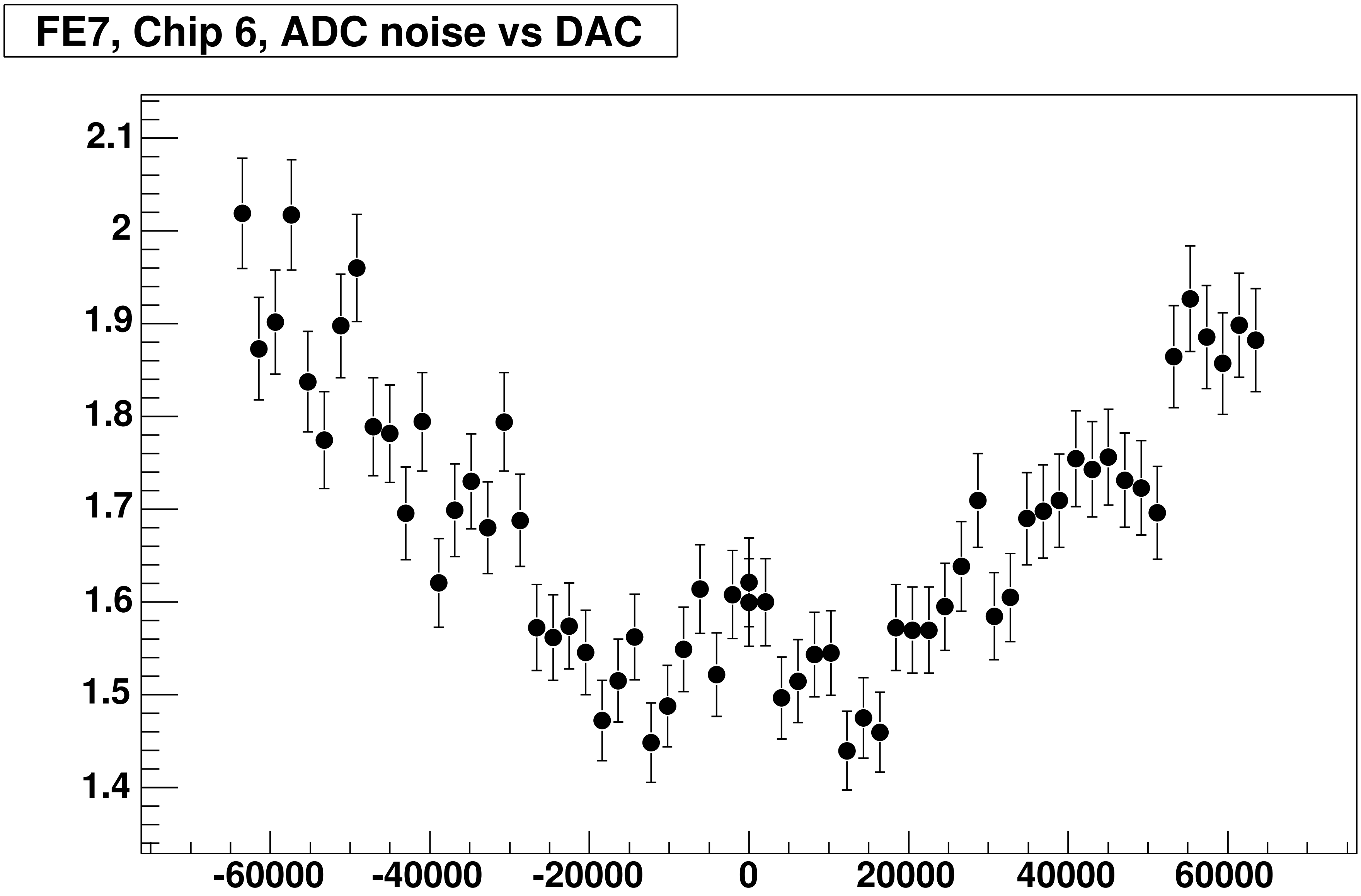
FE7, Chip 5, ADC mean vs DAC
χ^2 / ndf 3.205e+05 / 62
p0 8.525 ± 0.008547
p1 0.2354 ± 2.499e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

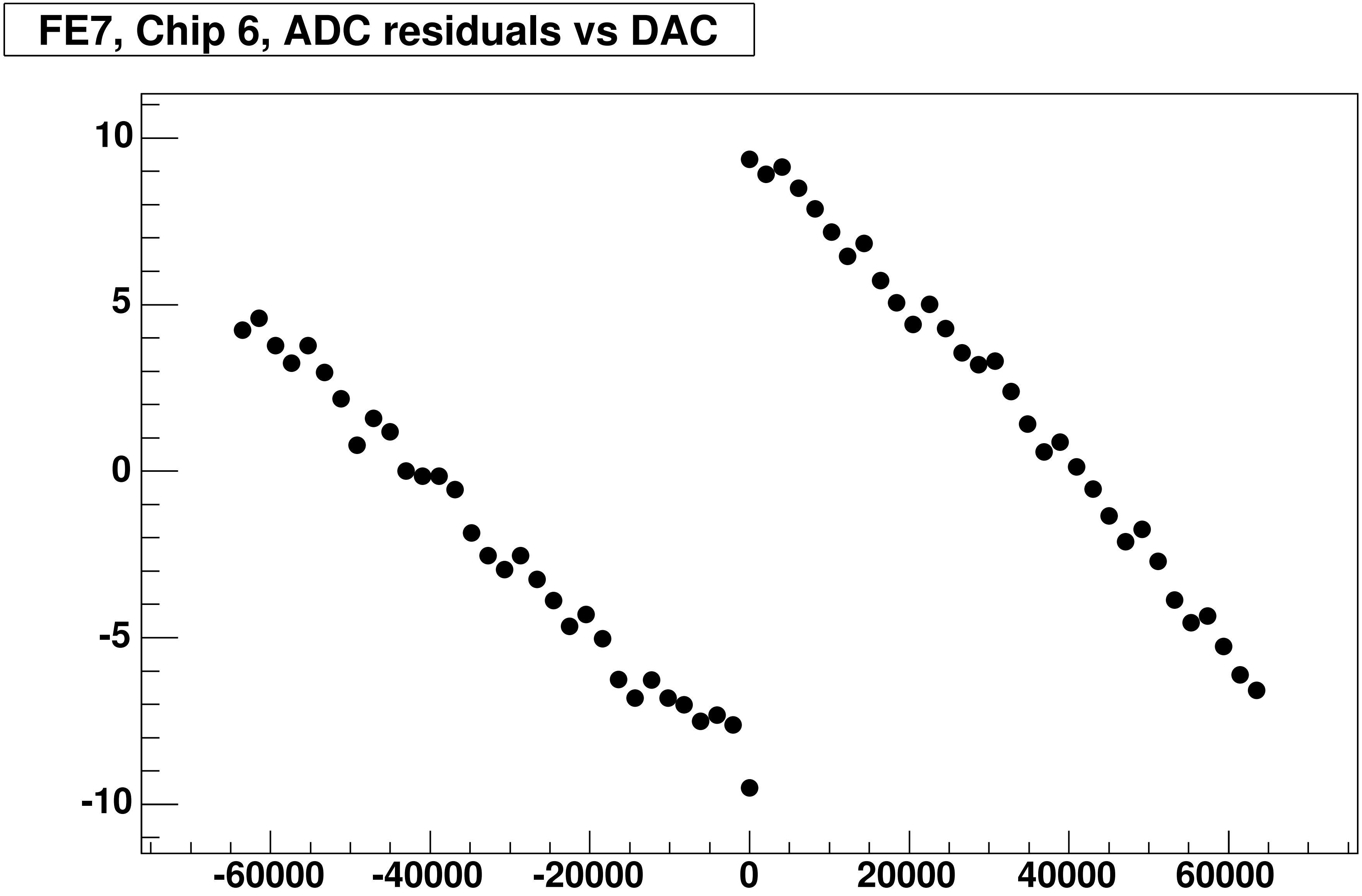

FE7, Chip 5, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000

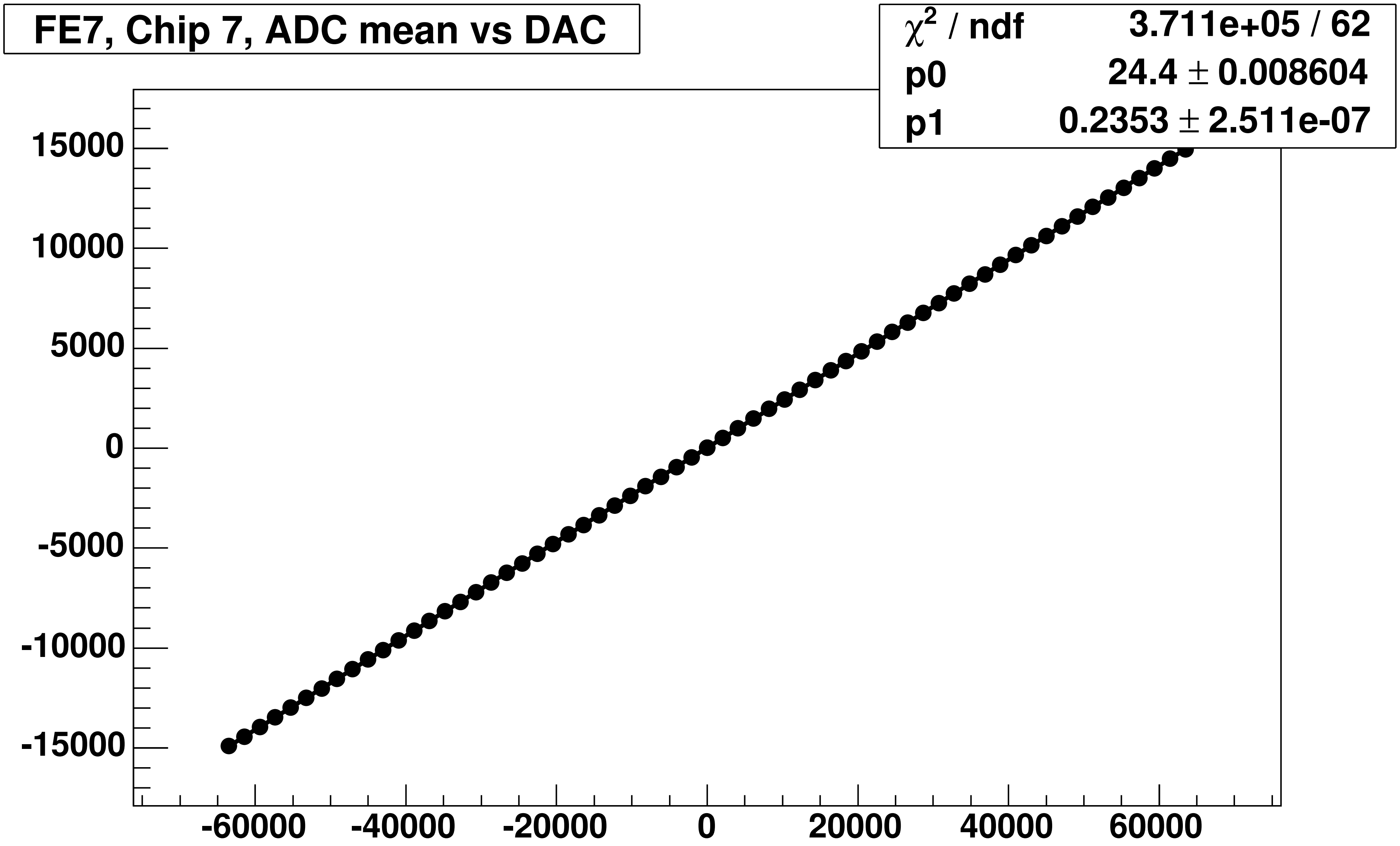


FE7, Chip 5, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

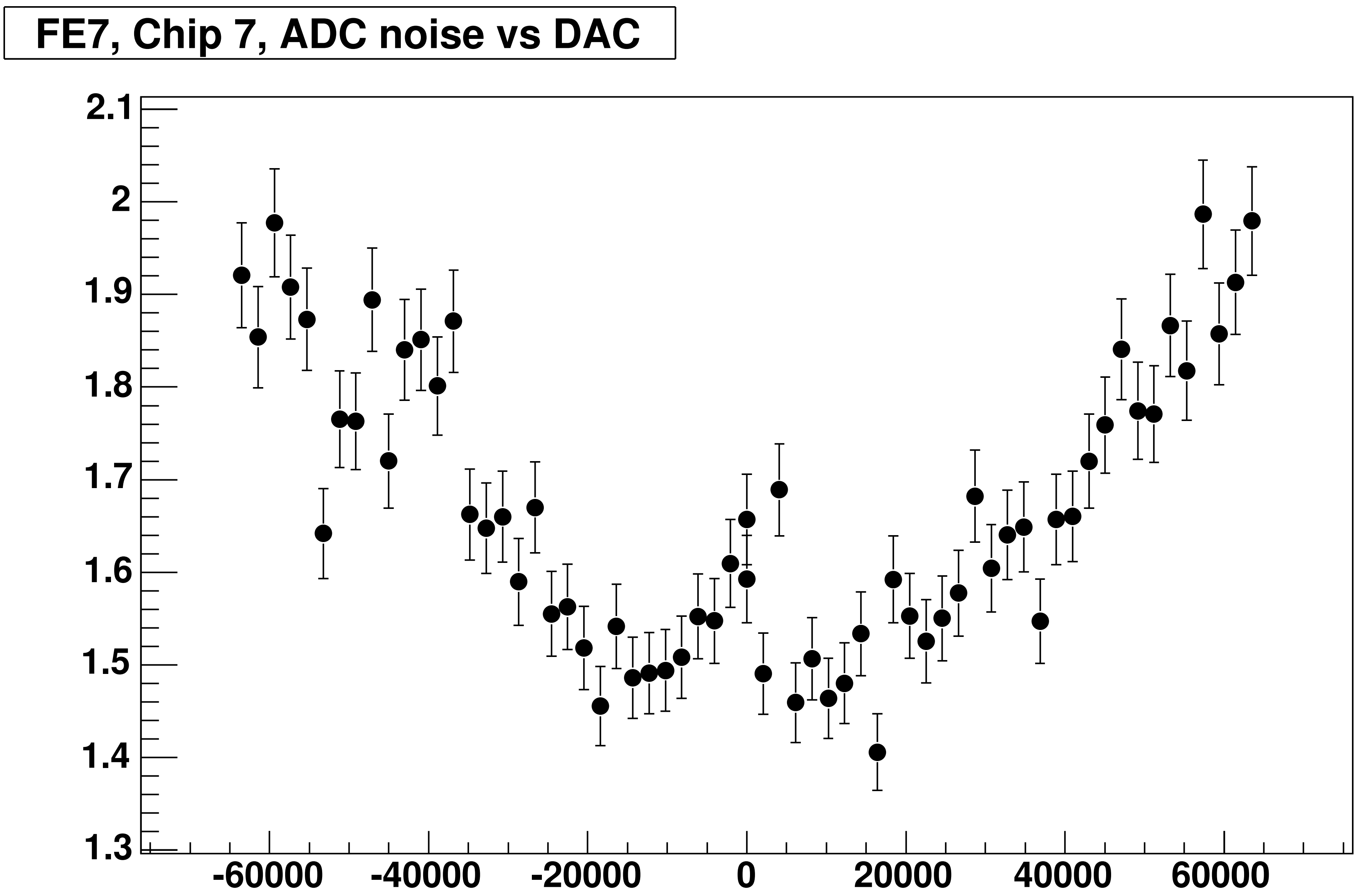

FE7, Chip 6, ADC mean vs DAC
χ^2 / ndf 3.531e+05 / 62
p0 87.35 ± 0.008654
p1 0.2369 ± 2.522e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

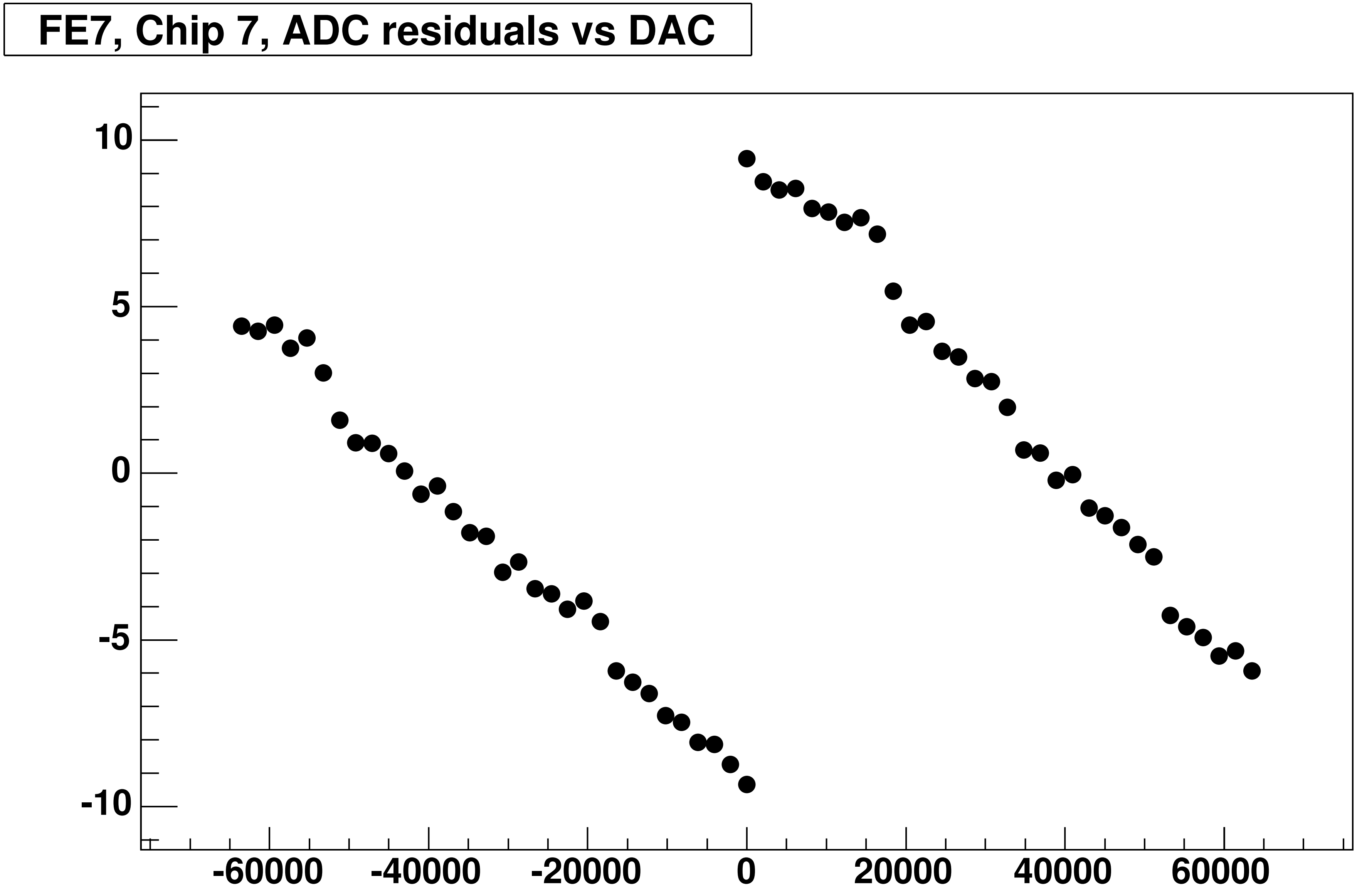

FE7, Chip 6, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

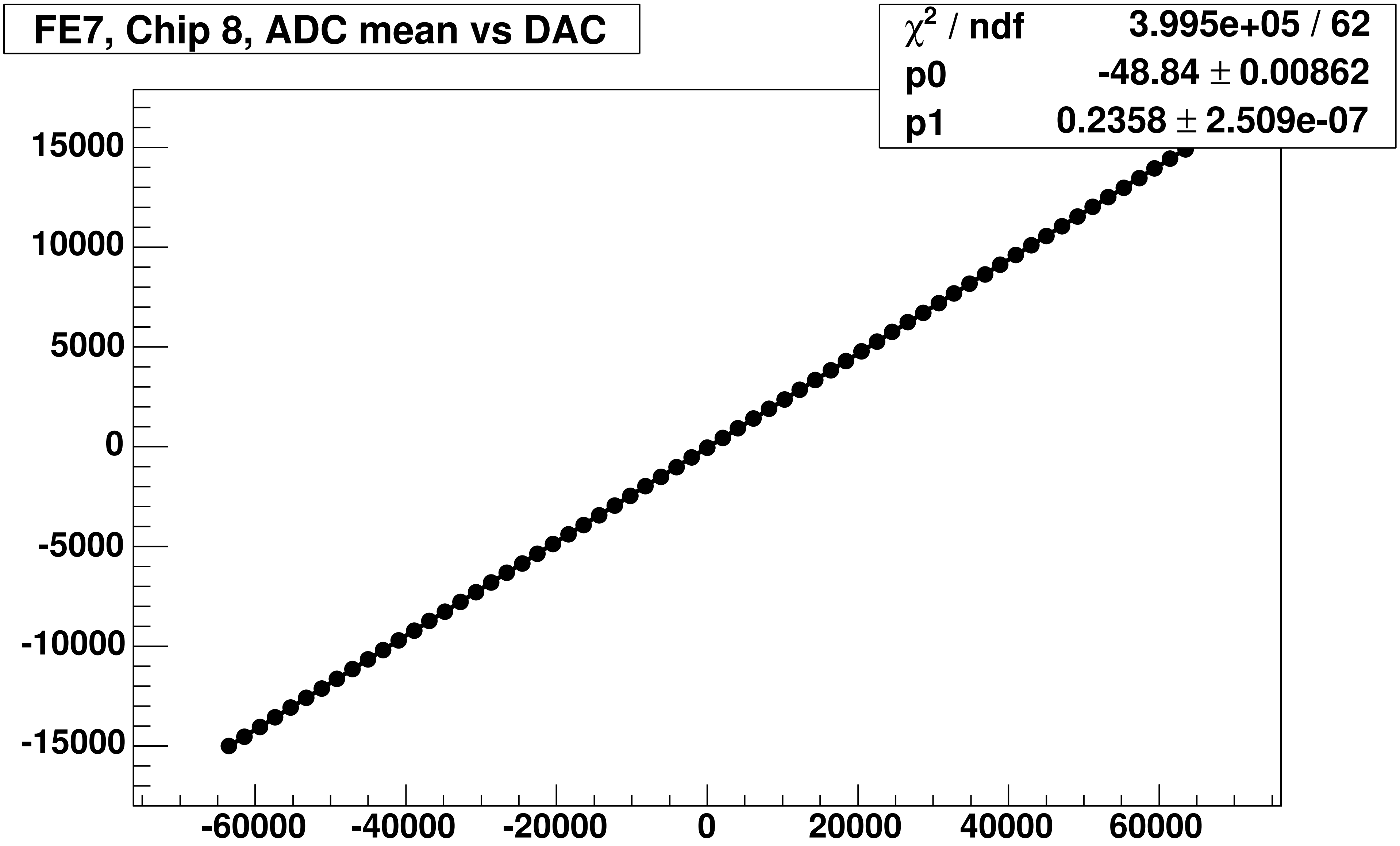

FE7, Chip 6, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

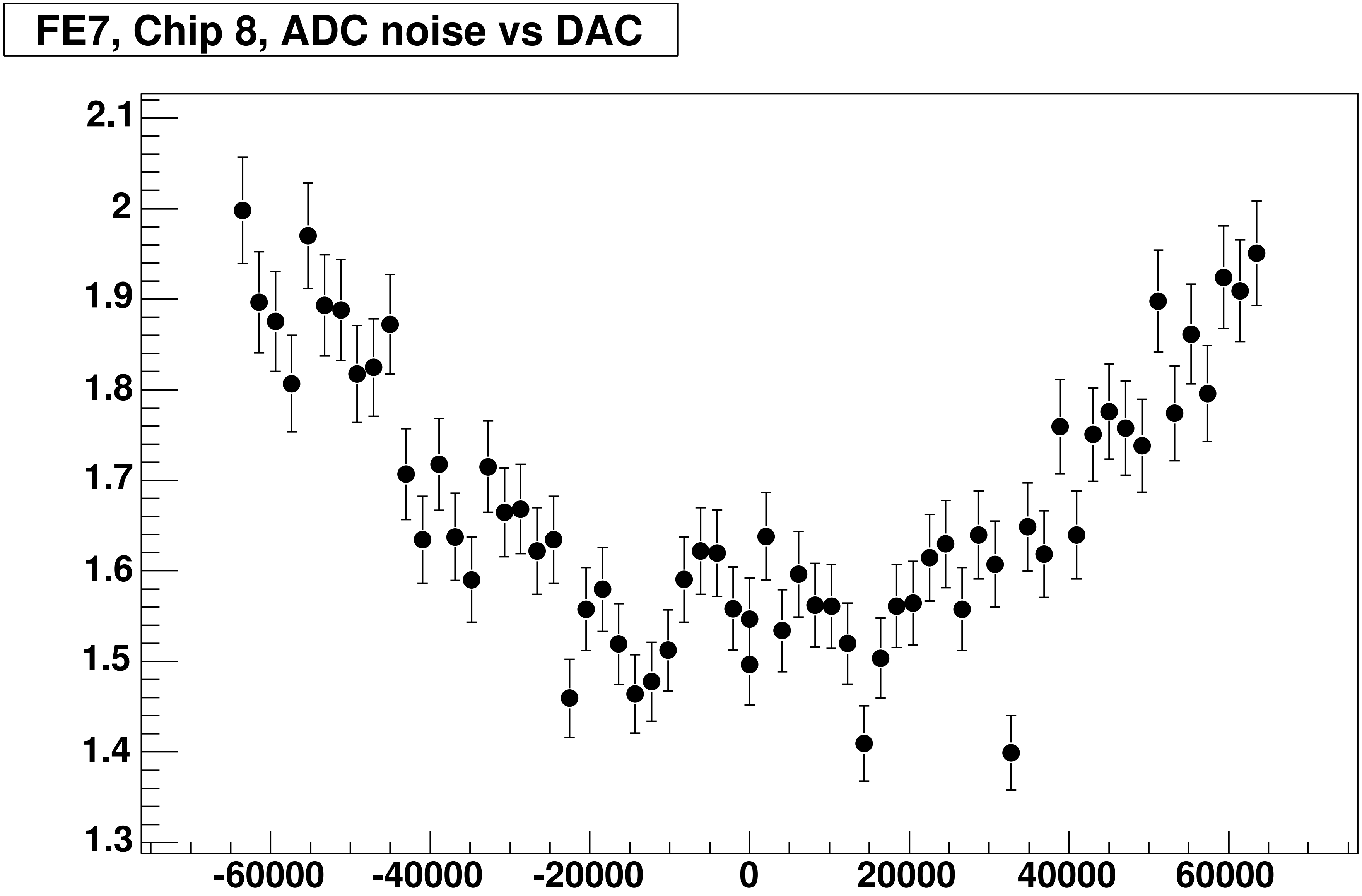


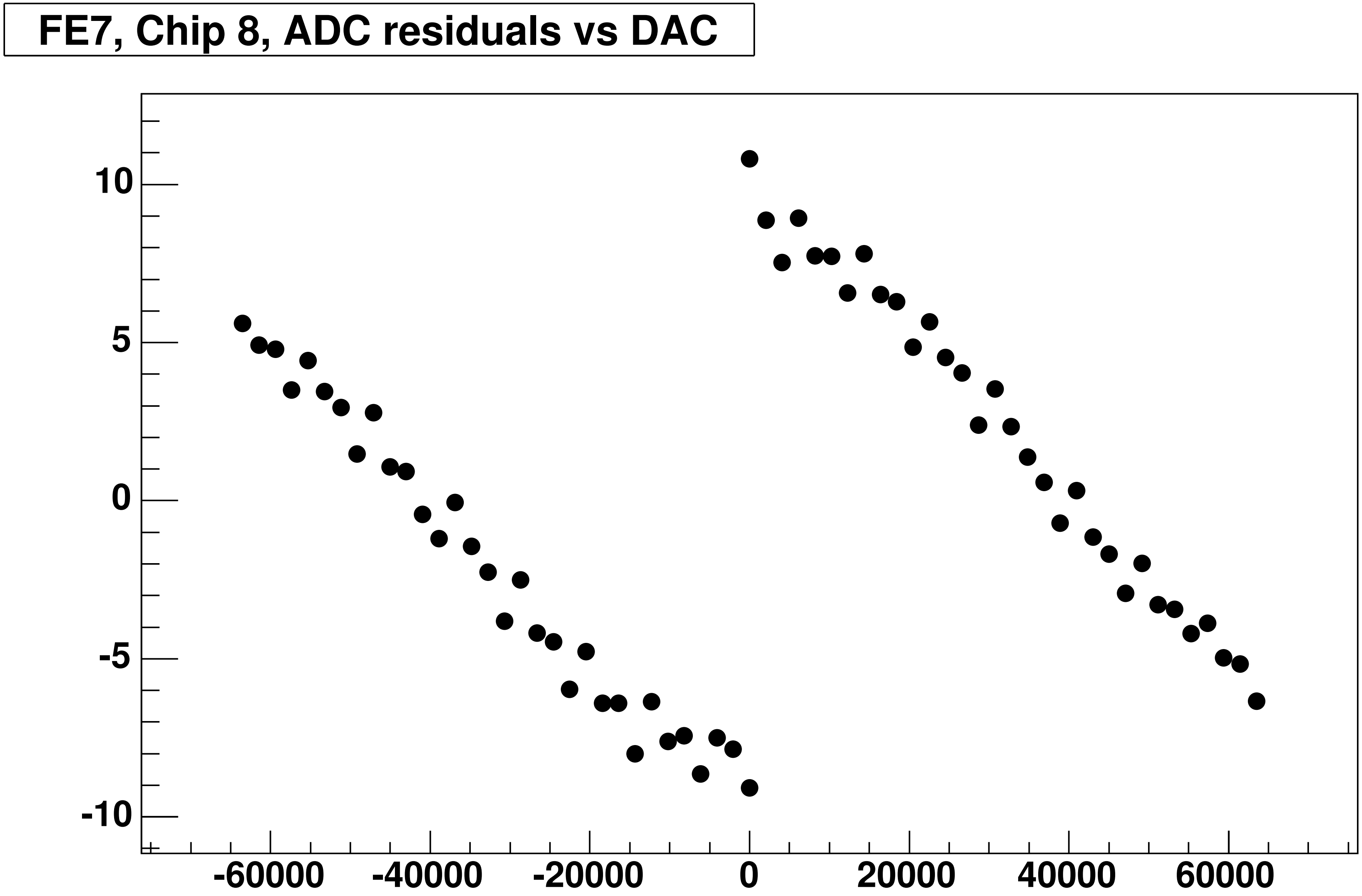
FE7, Chip 7, ADC mean vs DAC
χ2 / ndf 3.711e+05 / 62
p0 24.4 ± 0.008604
p1 0.2353 ± 2.511e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

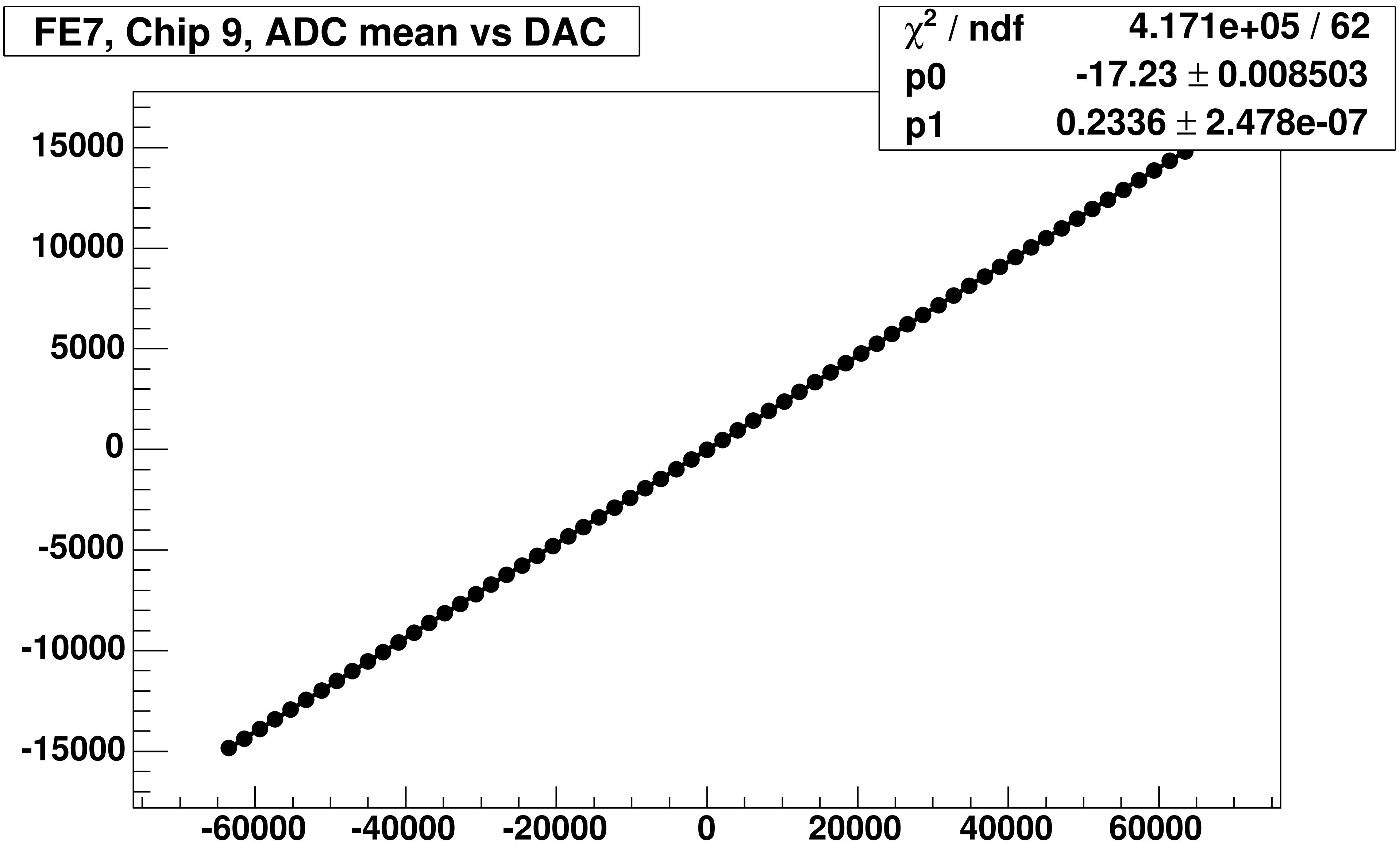

FE7, Chip 7, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 7, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

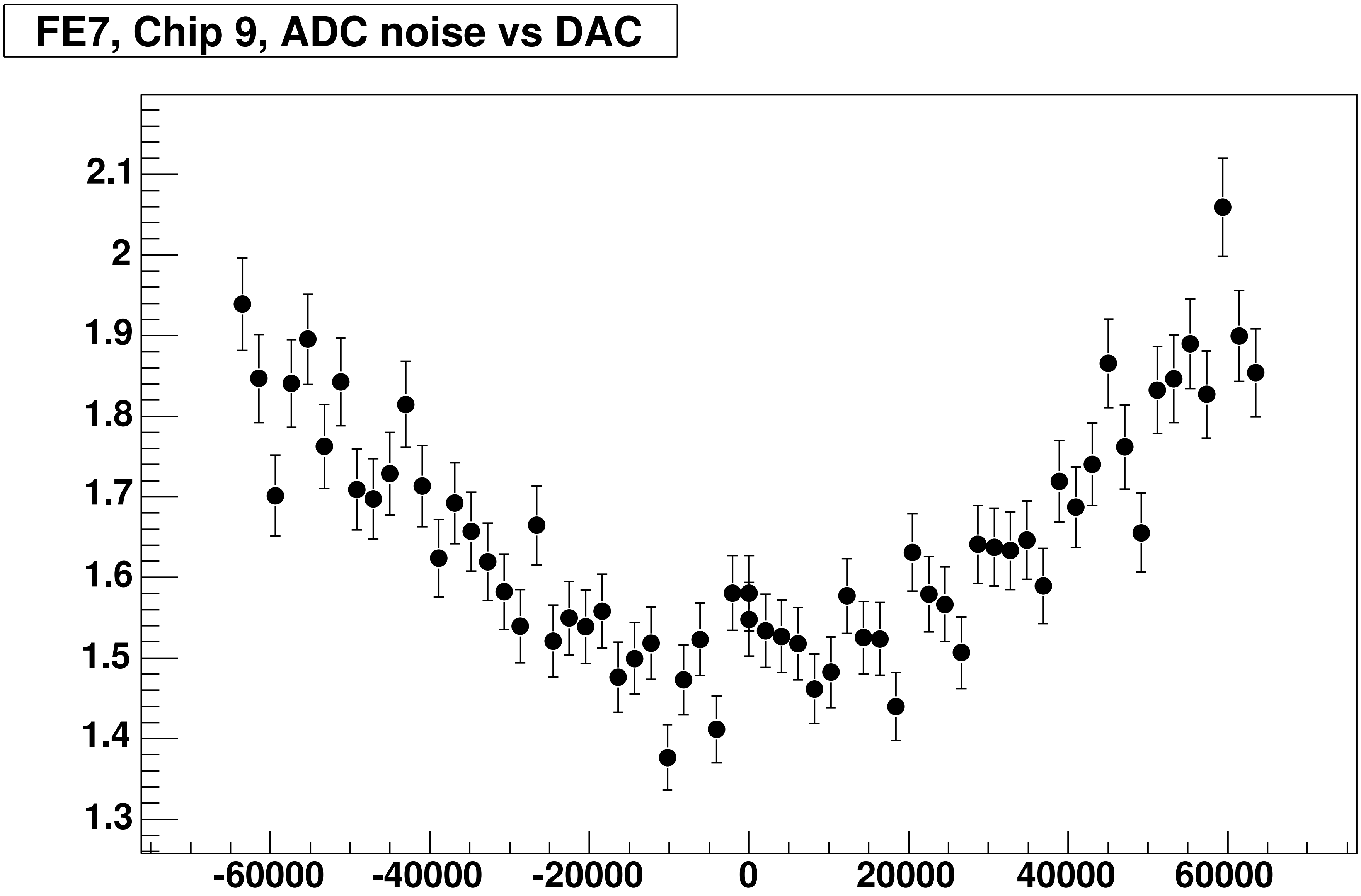

FE7, Chip 8, ADC mean vs DAC
χ² / ndf 3.995e+05 / 62
p0 -48.84 ± 0.00862
p1 0.2358 ± 2.509e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

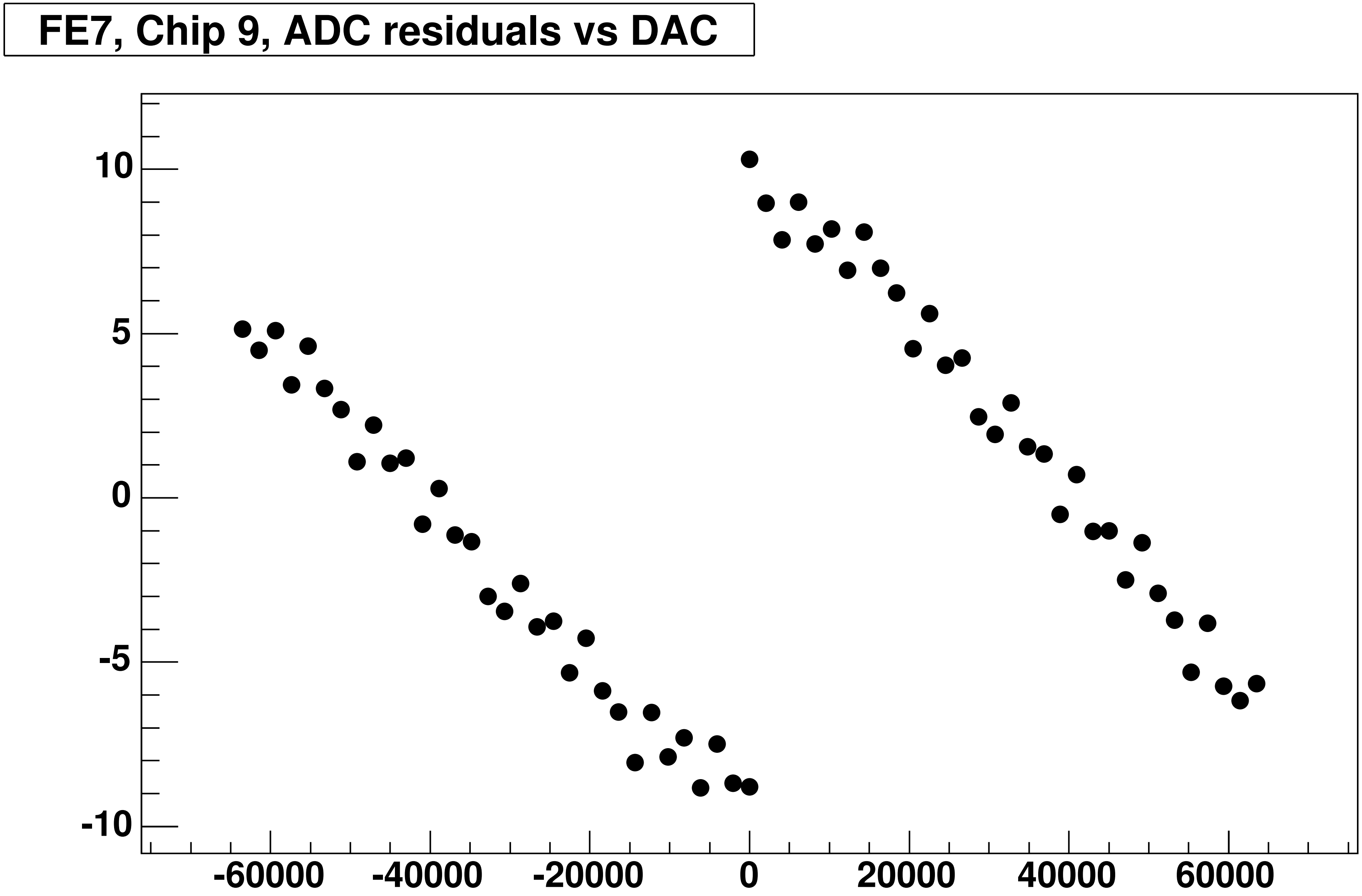

FE7, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 8, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

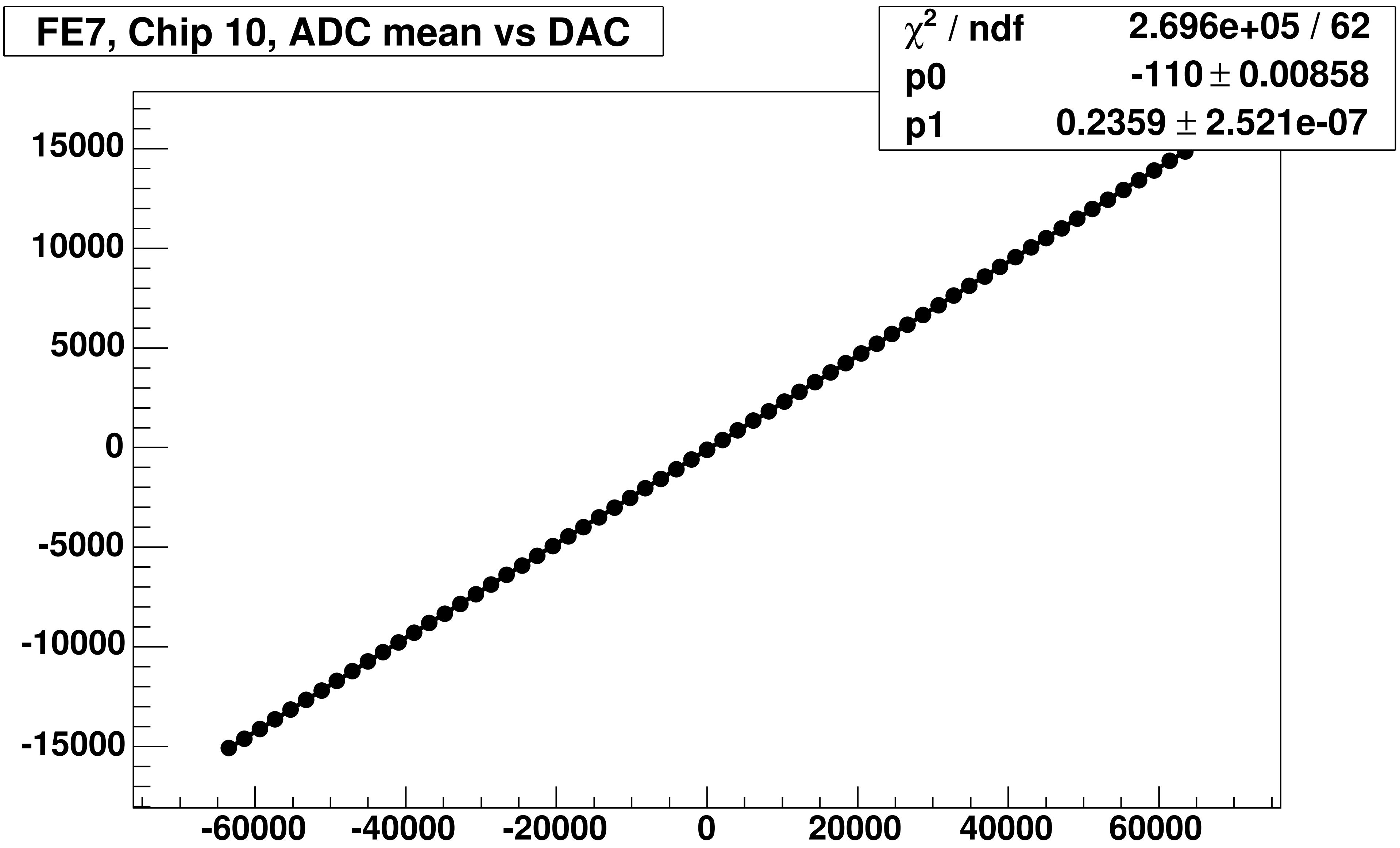


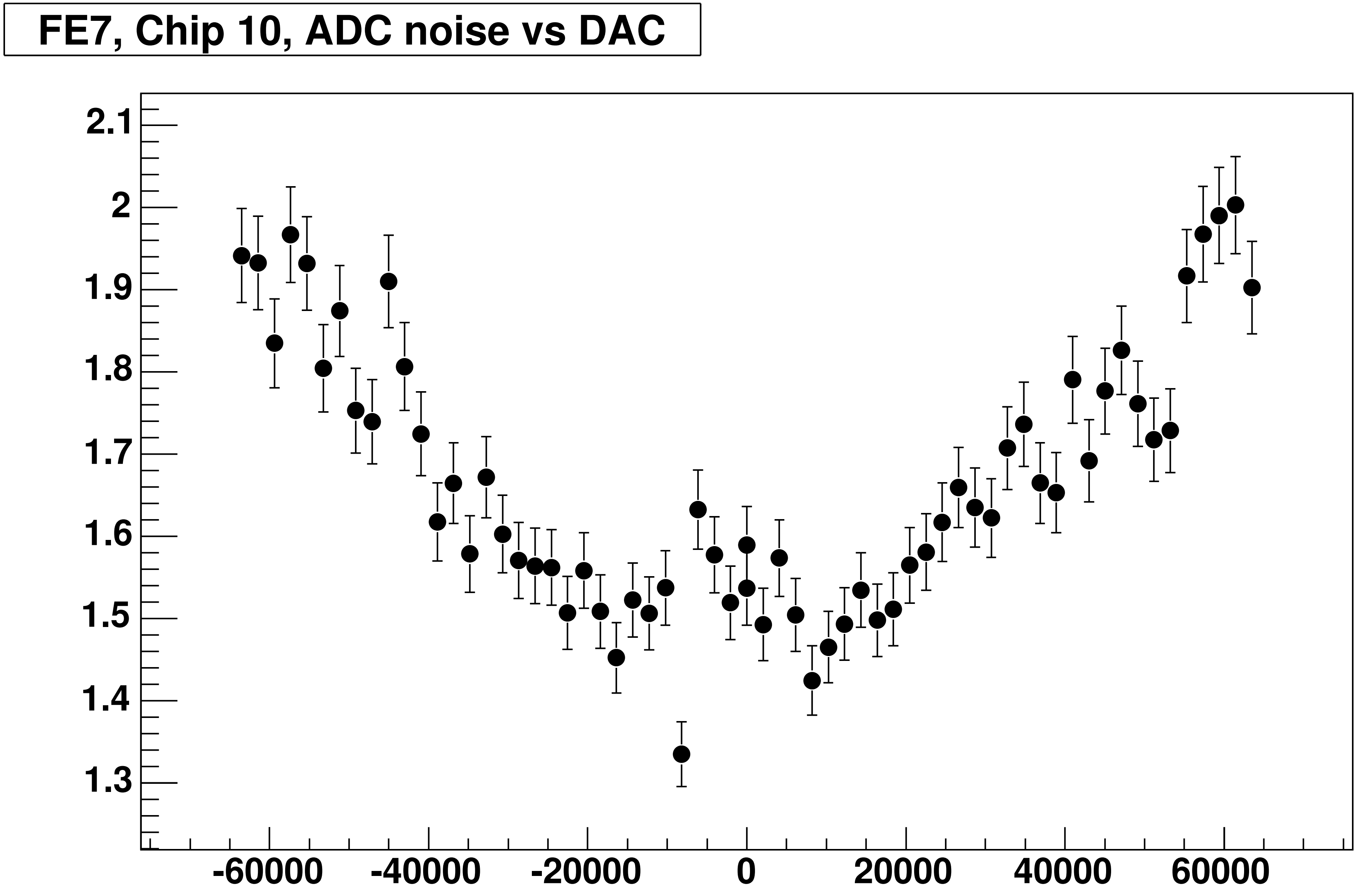
FE7, Chip 9, ADC mean vs DAC
χ^2 / ndf 4.171e+05 / 62
p0 -17.23 ± 0.008503
p1 0.2336 ± 2.478e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 9, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

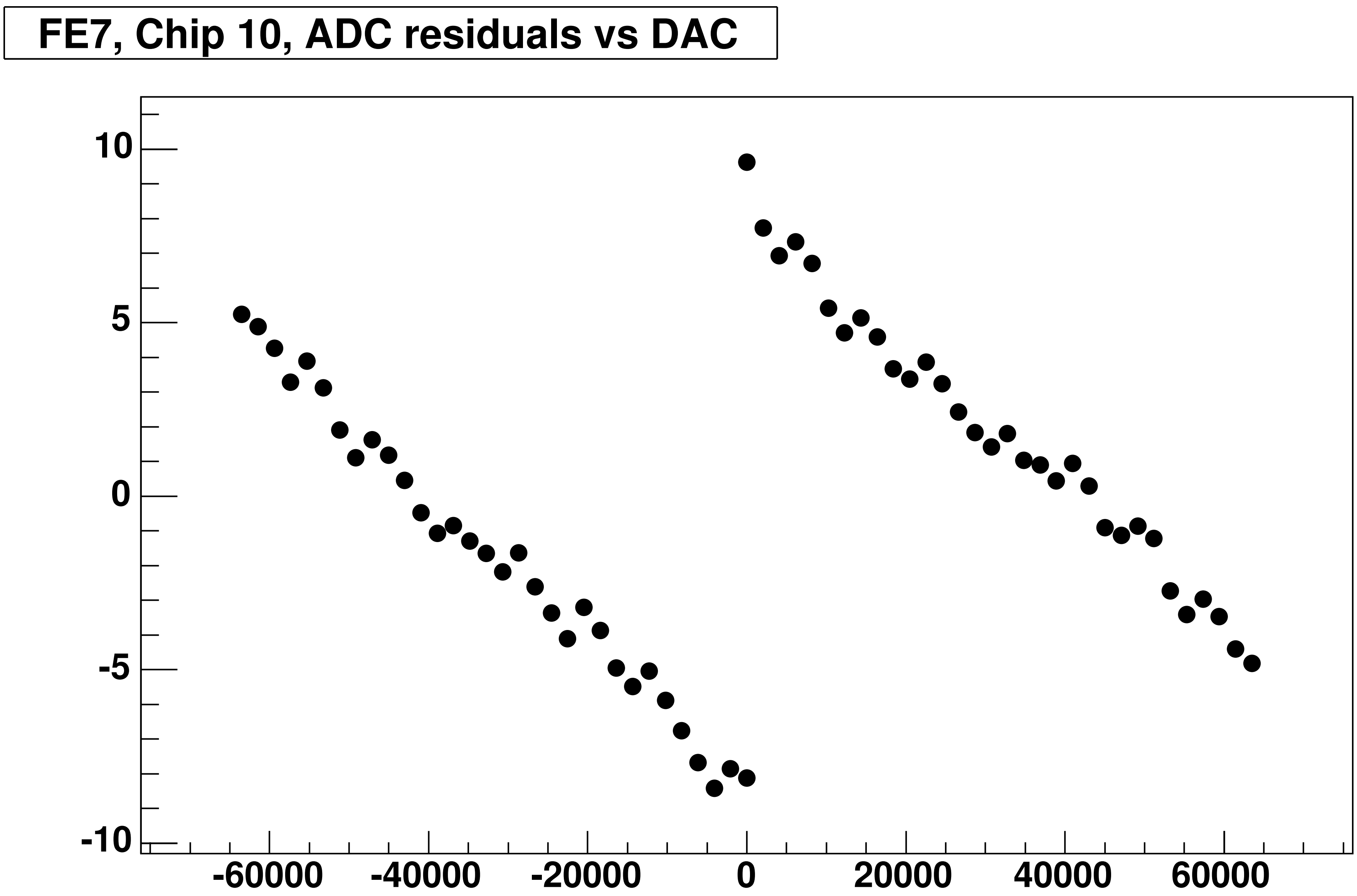


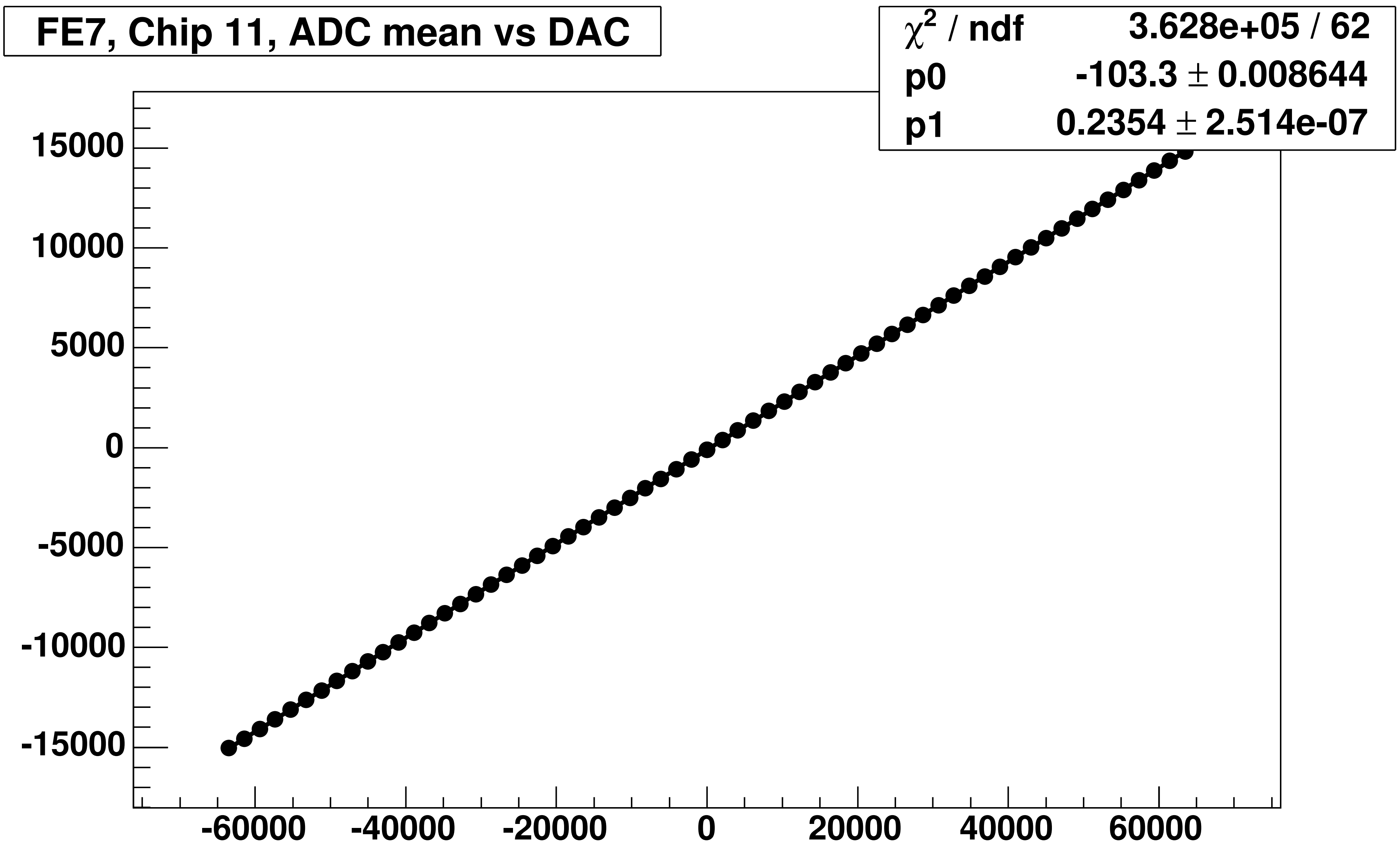
FE7, Chip 9, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

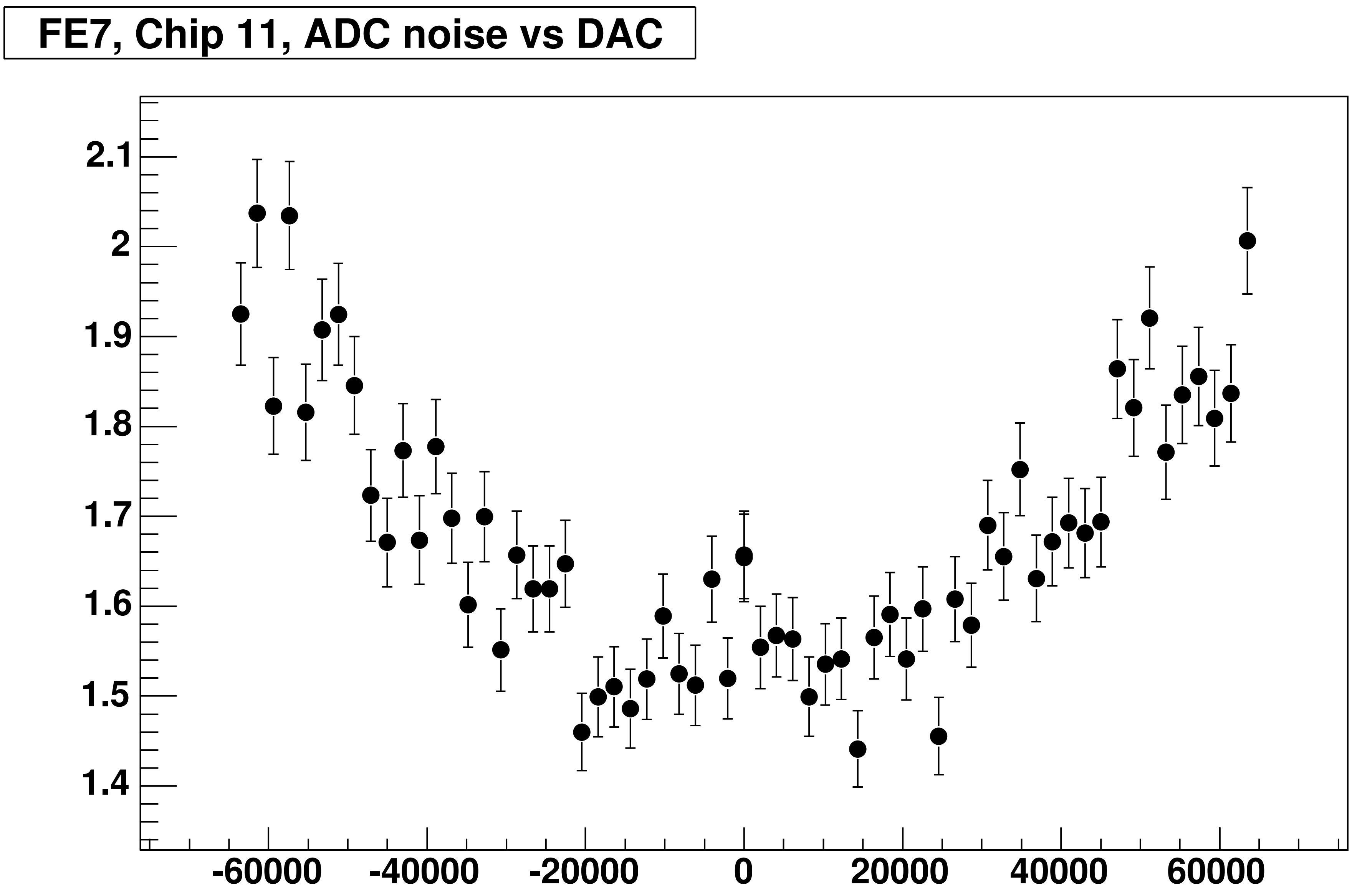

FE7, Chip 10, ADC mean vs DAC
χ2 / ndf 2.696e+05 / 62
p0 -110 ± 0.00858
p1 0.2359 ± 2.521e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



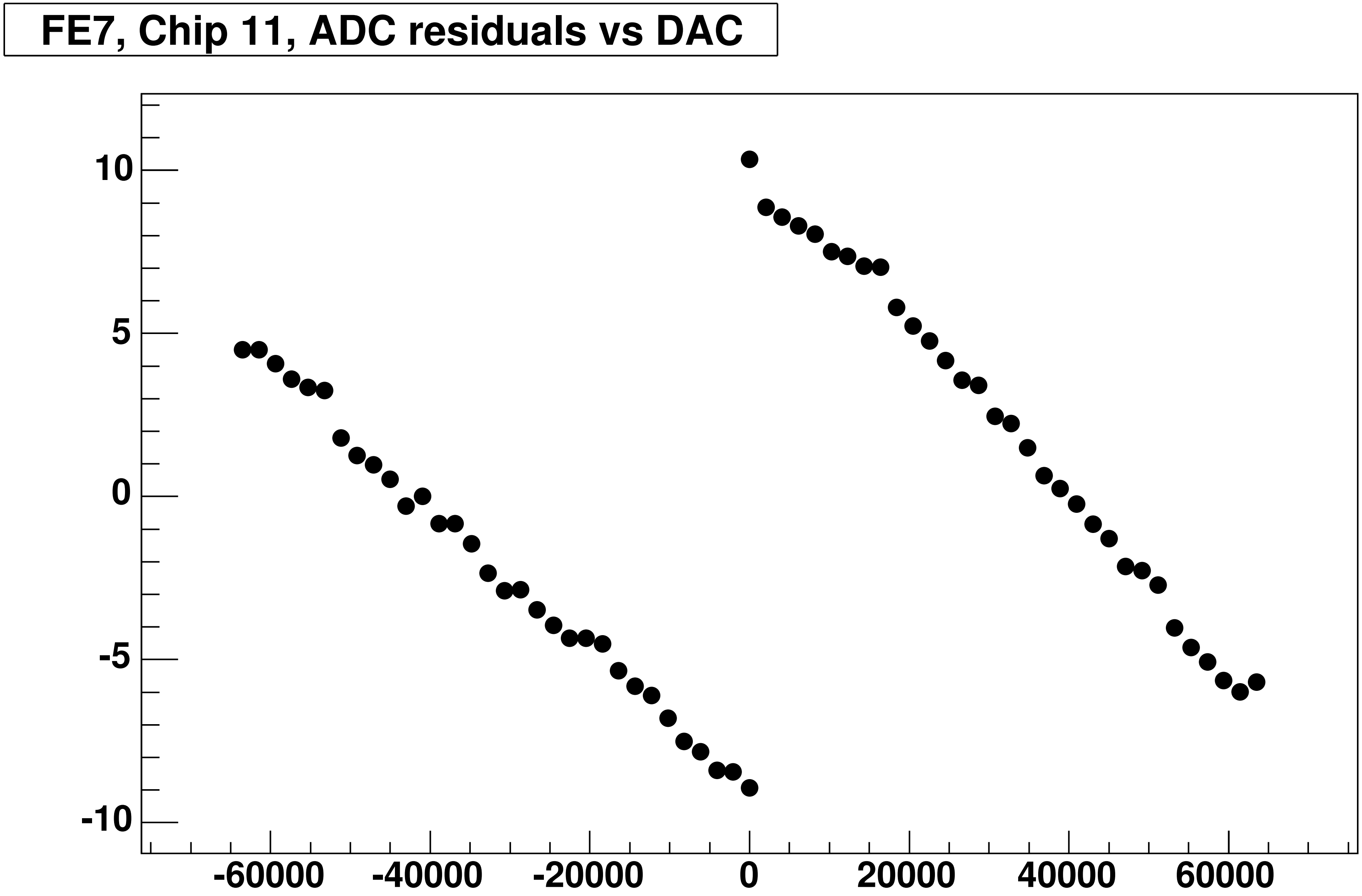
FE7, Chip 10, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

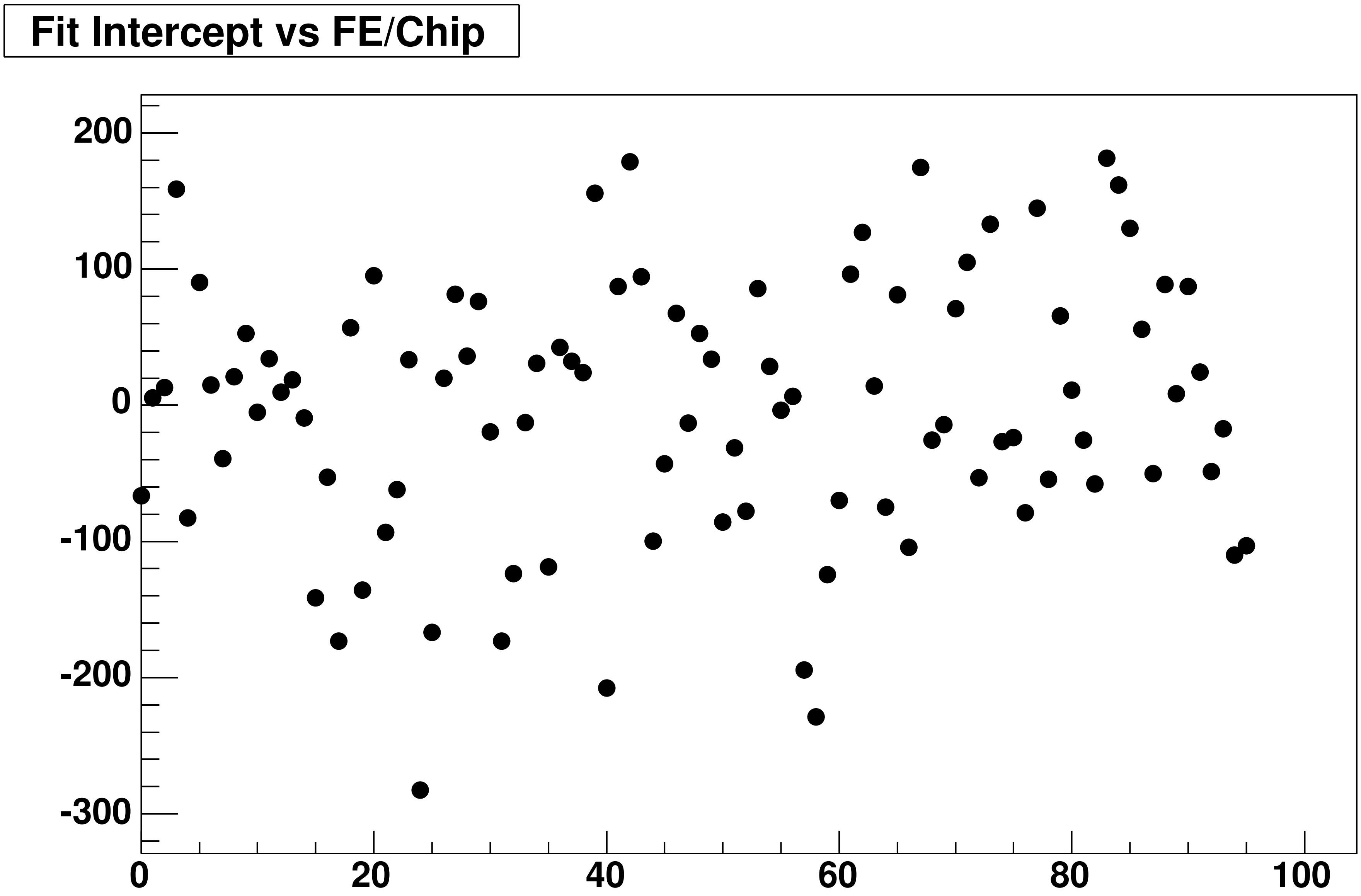

FE7, Chip 10, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

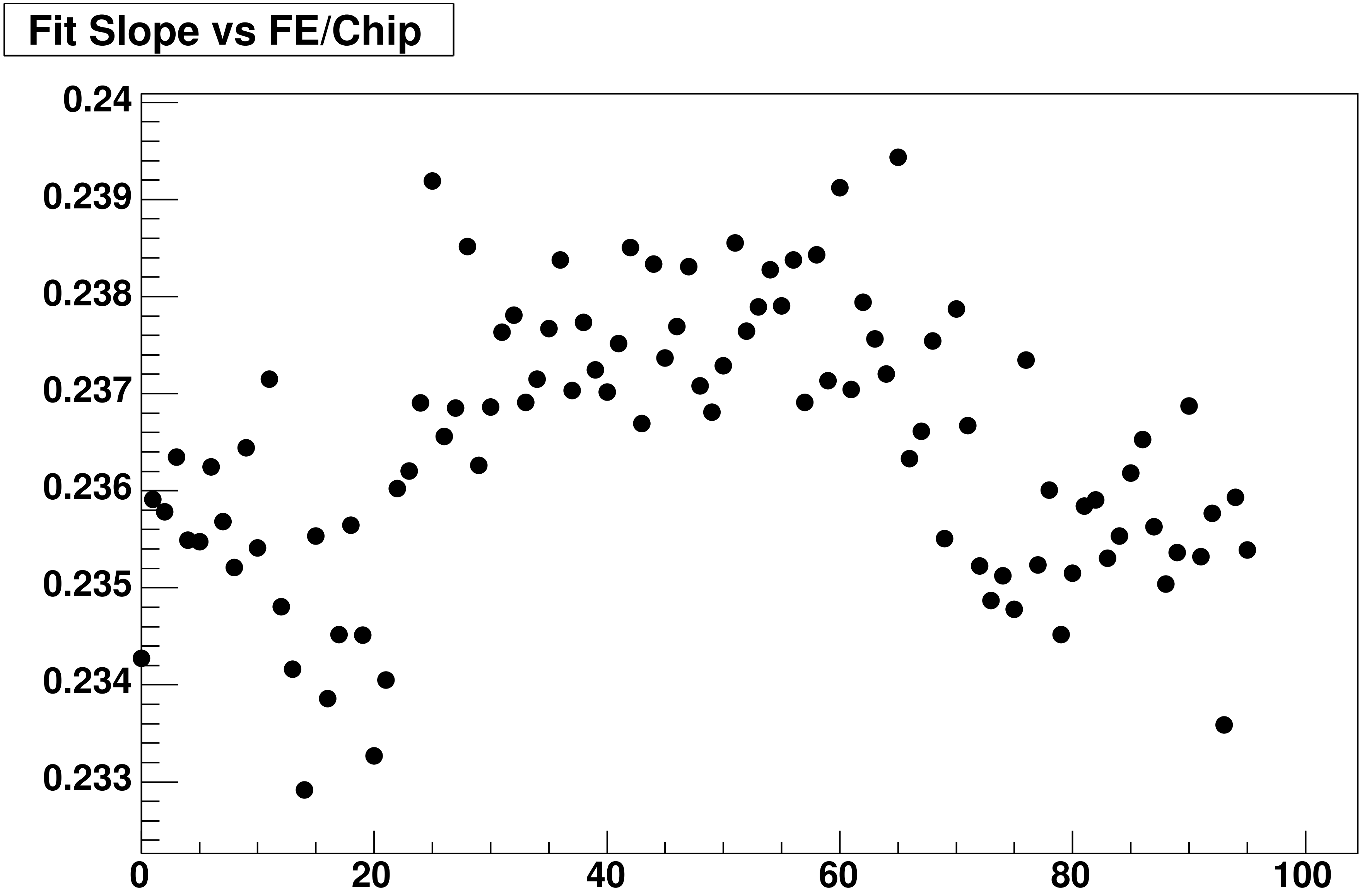

FE7, Chip 11, ADC mean vs DAC
χ^2 / ndf 3.628e+05 / 62
p0 -103.3 ± 0.008644
p1 0.2354 ± 2.514e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



FE7, Chip 11, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 11, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


Fit Intercept vs FE/Chip
200
100
0
-100
-200
-300
0
20
40
60
80
100


Fit Slope vs FE/Chip
0.24
0.239
0.238
0.237
0.236
0.235
0.234
0.233
0
20
40
60
80
100