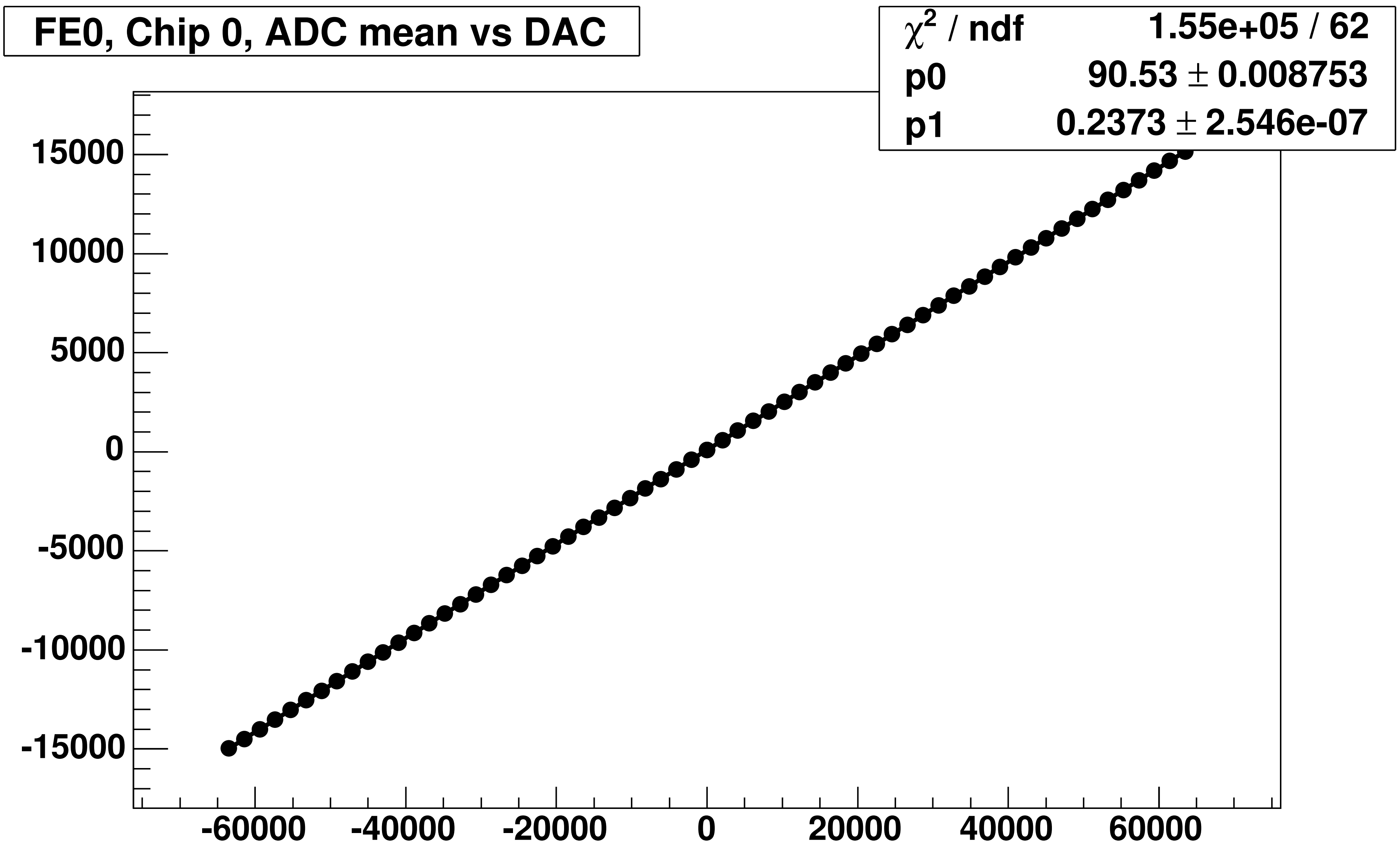
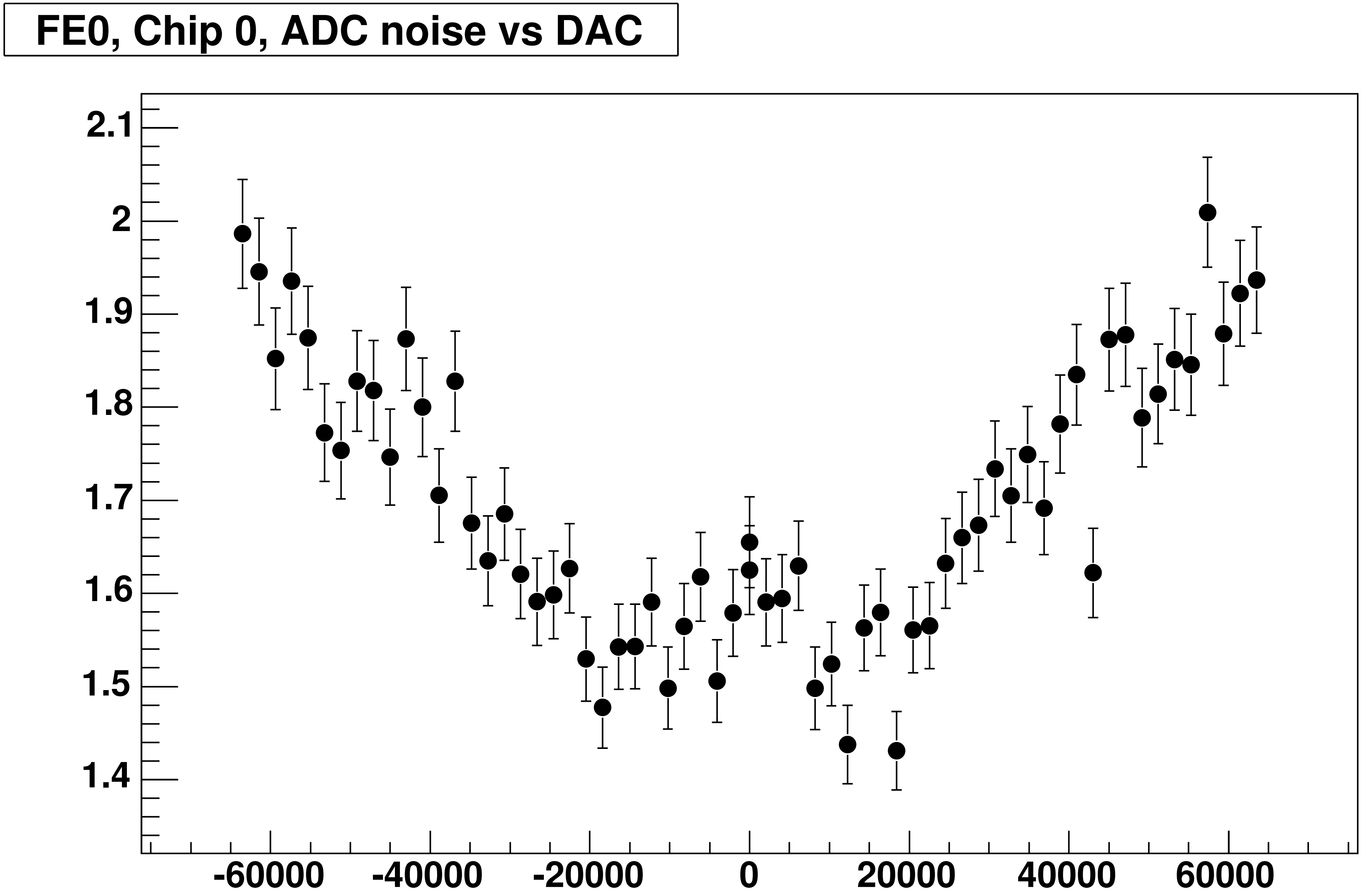
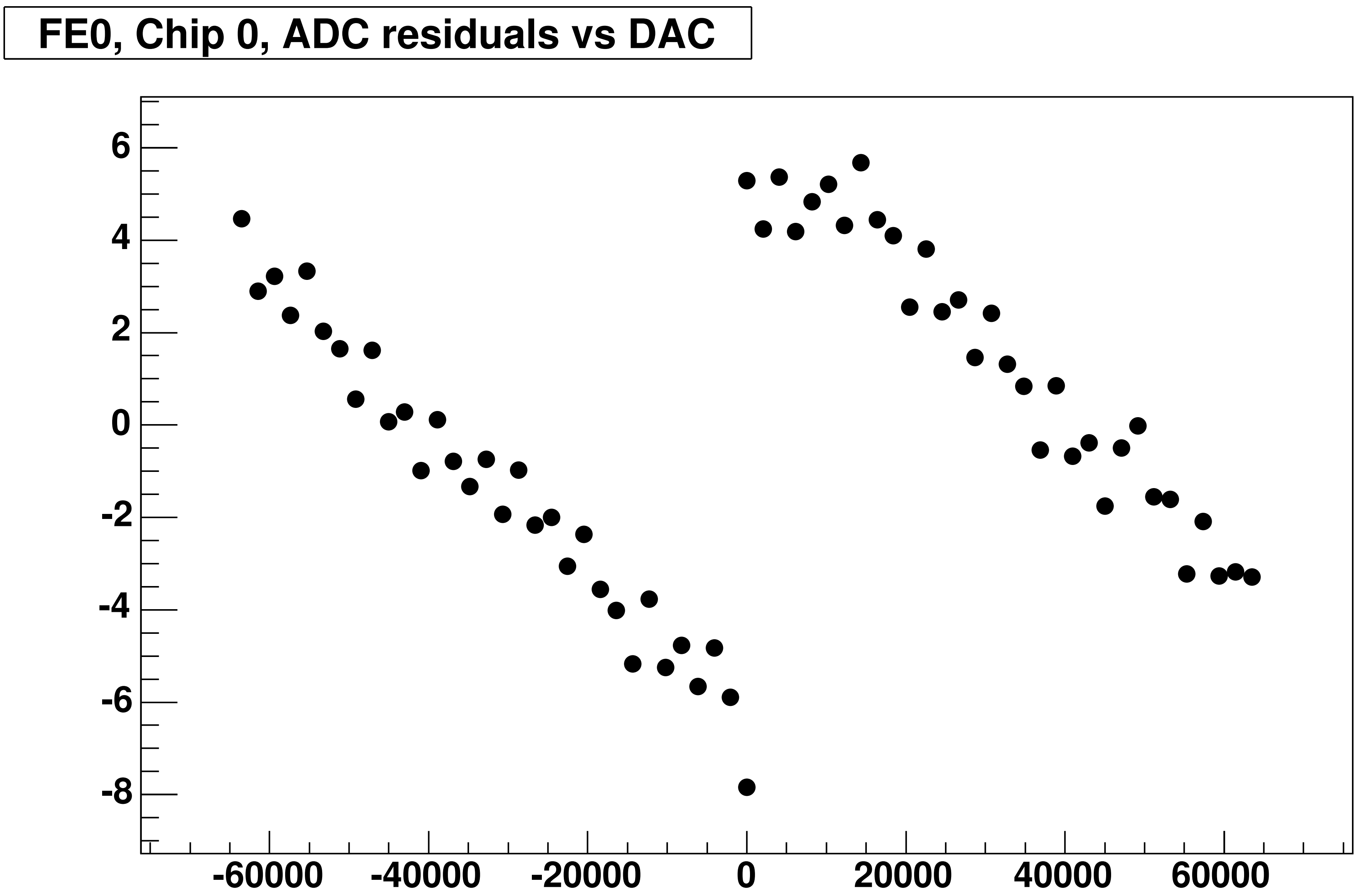
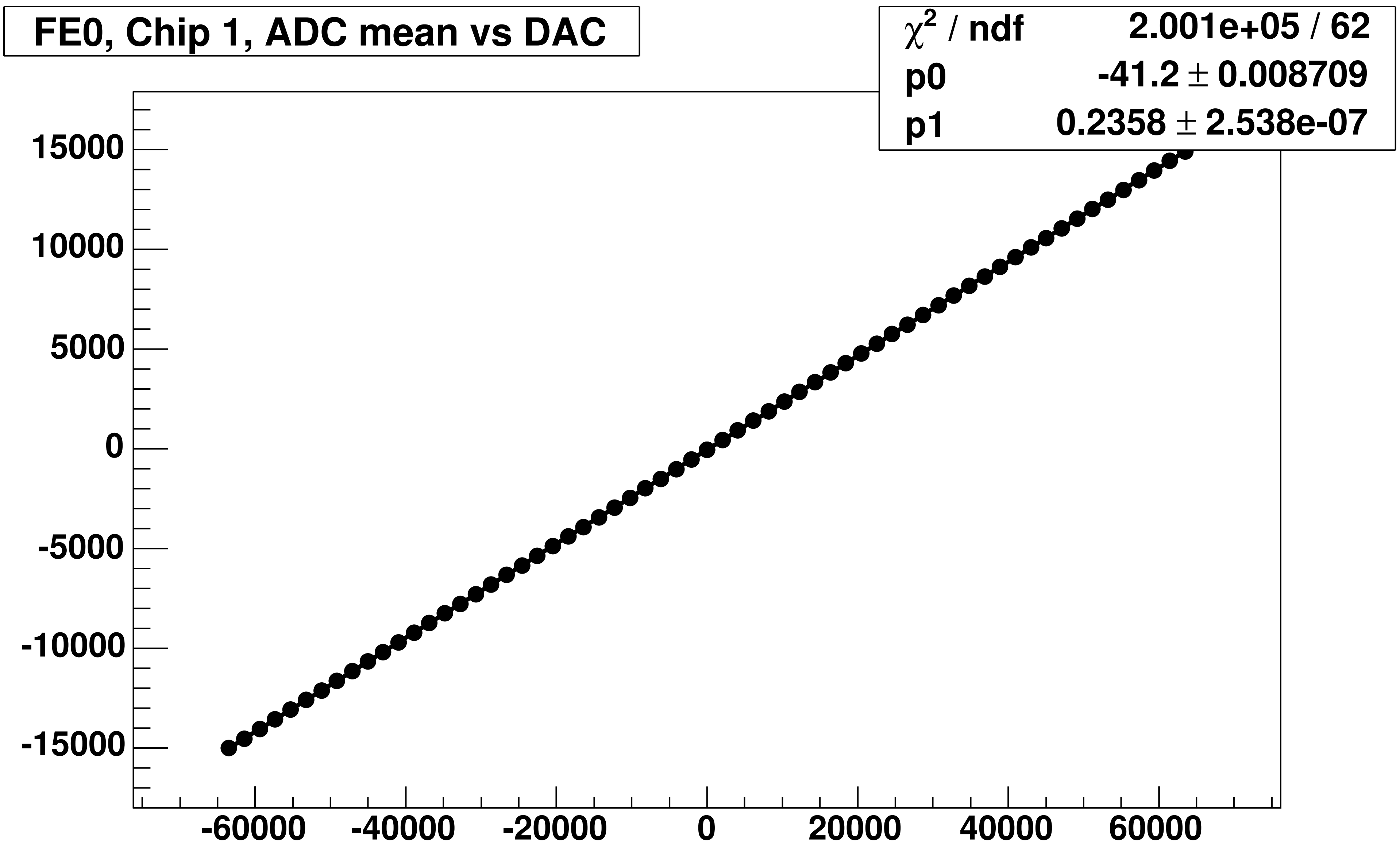
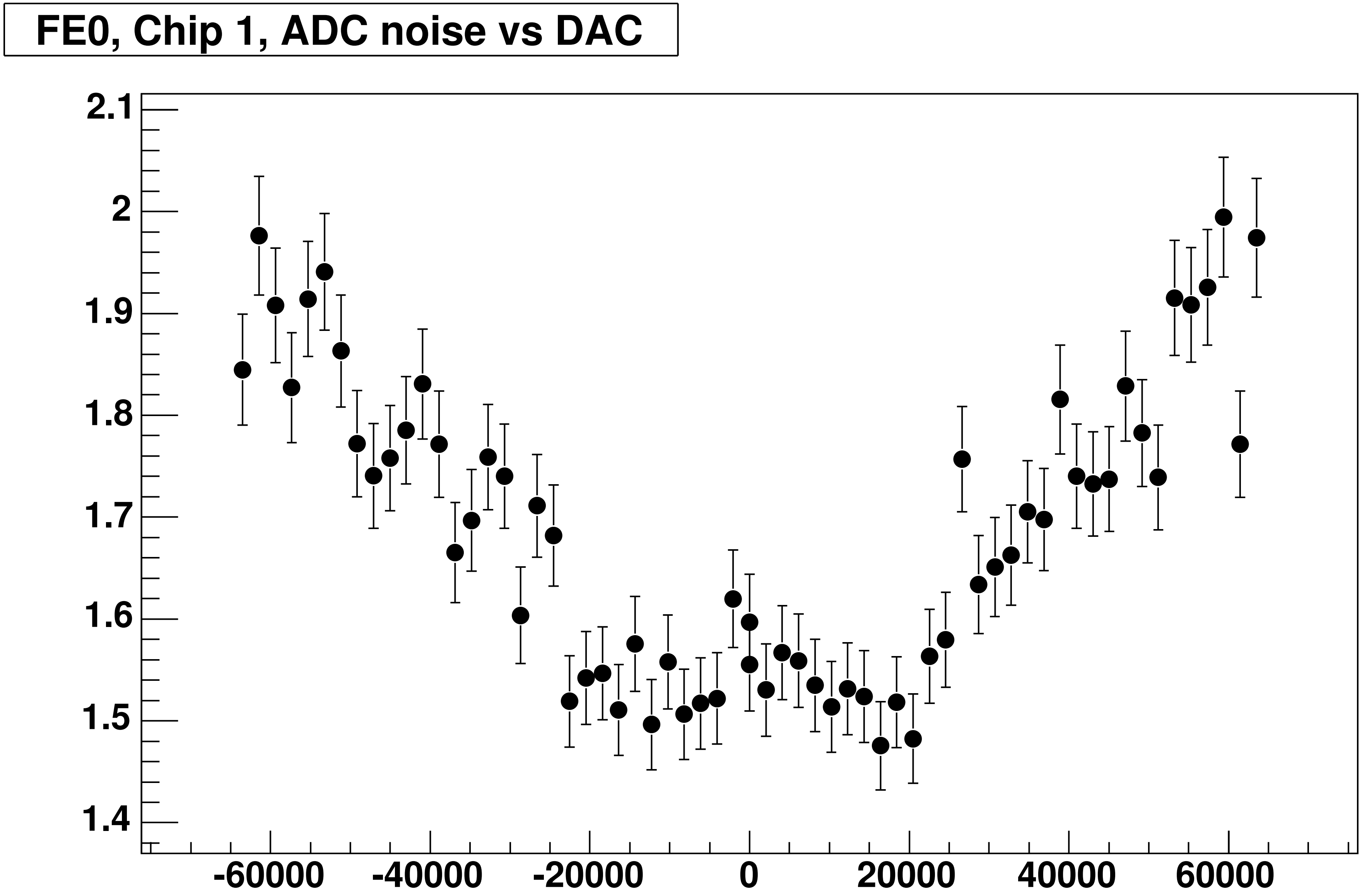


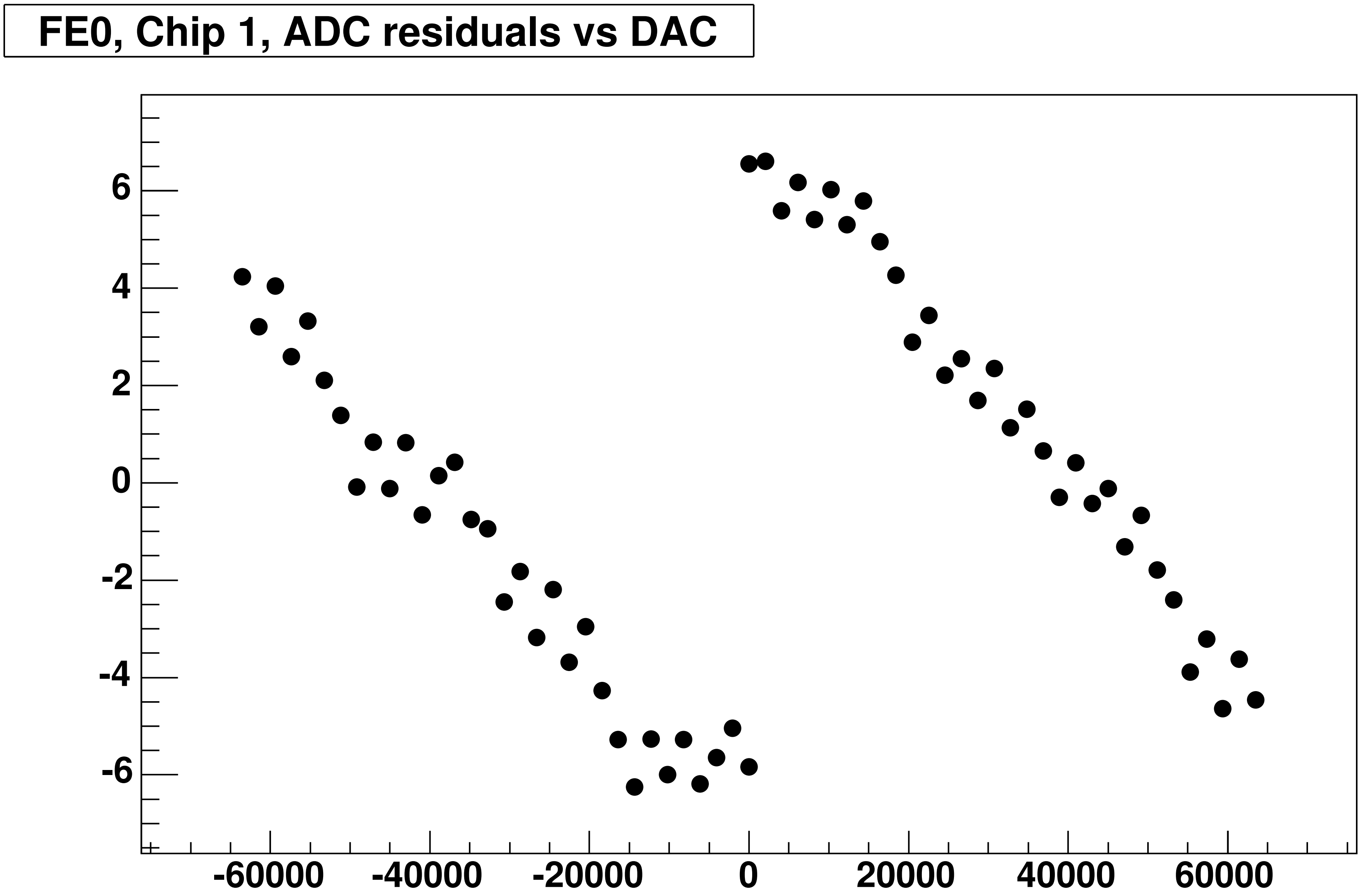
FE0, Chip 0, ADC mean vs DAC
χ2 / ndf 1.55e+05 / 62
p0 90.53 ± 0.008753
p1 0.2373 ± 2.546e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

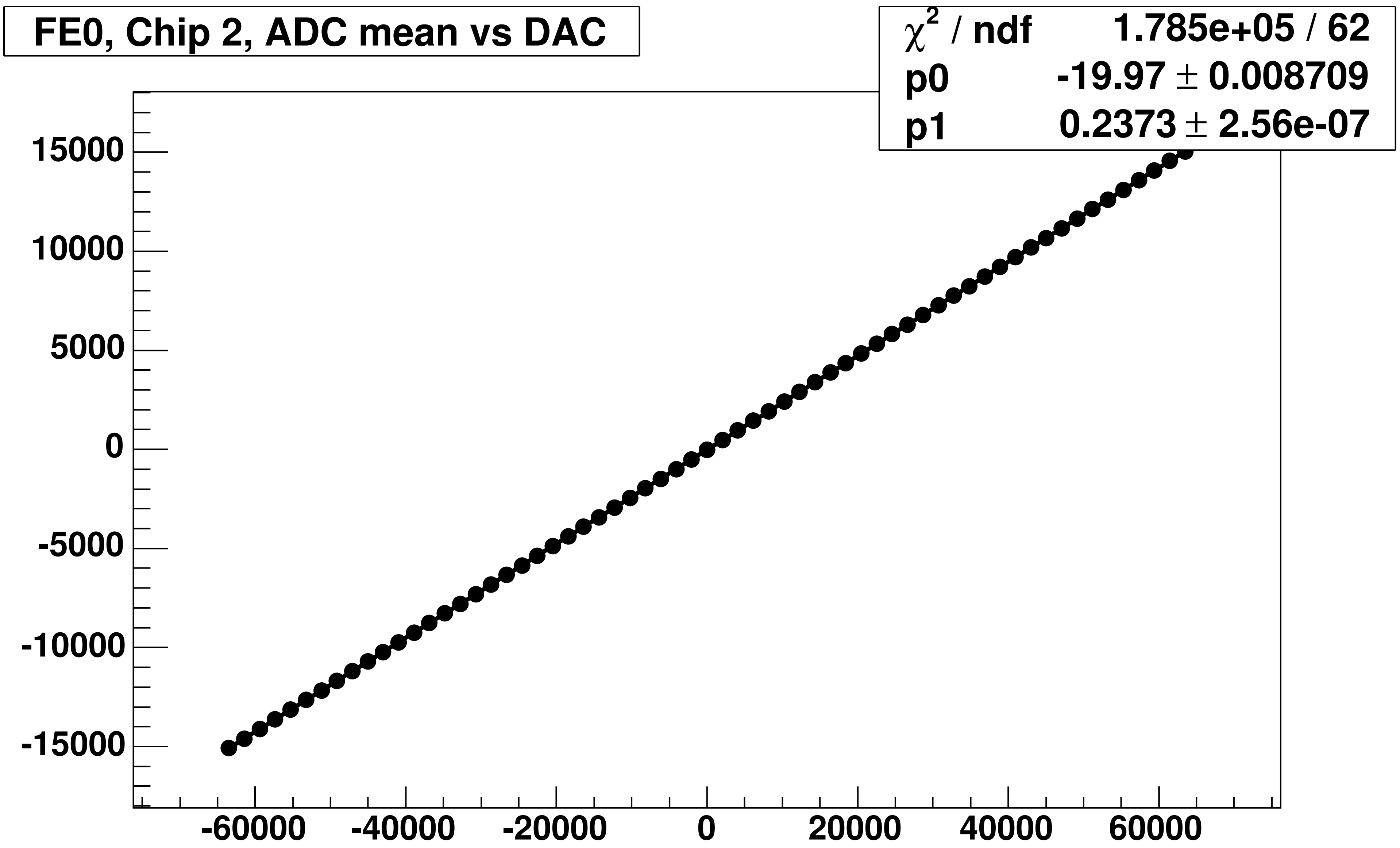

FE0, Chip 0, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

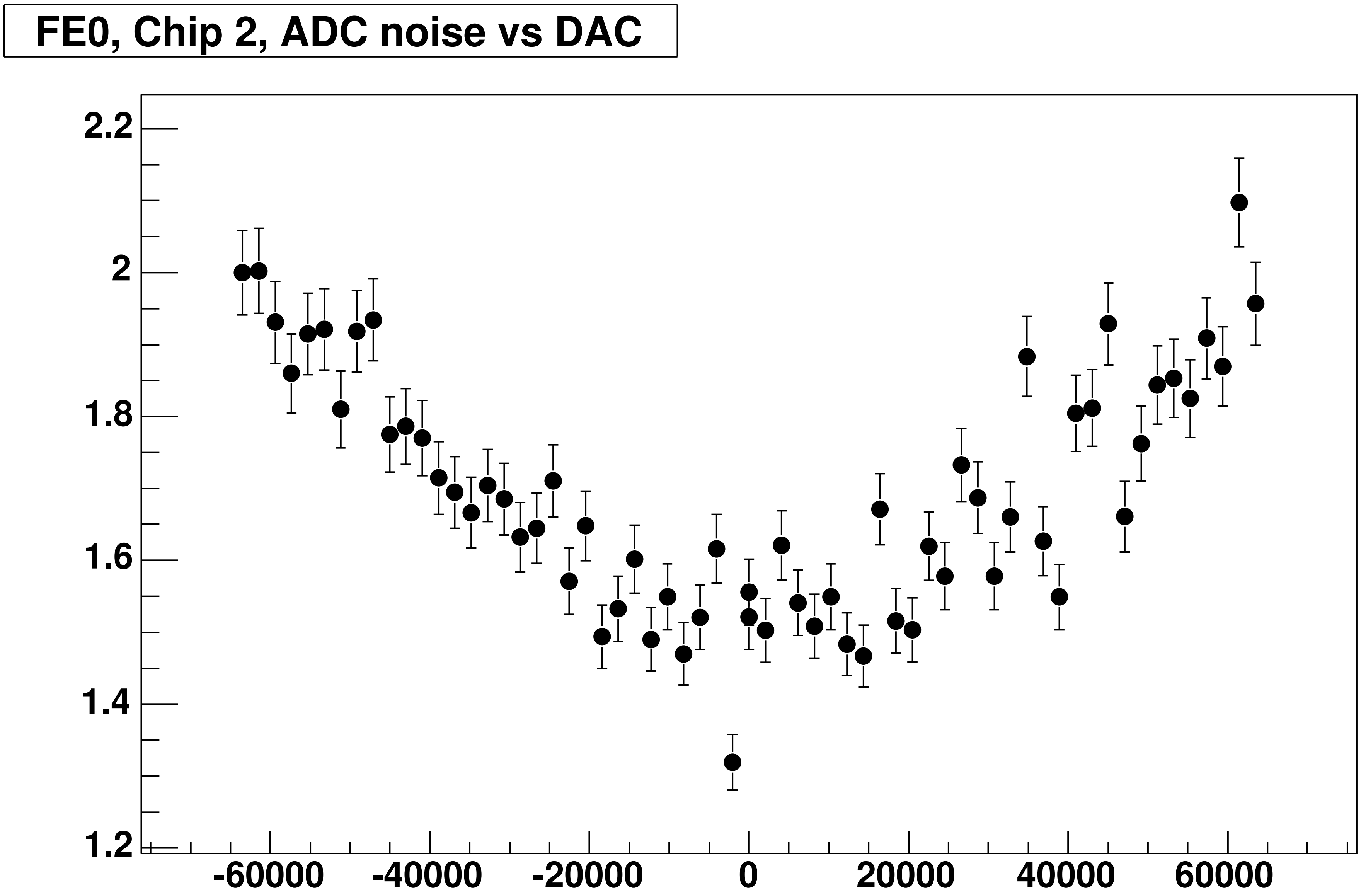

FE0, Chip 0, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-8
-60000
-40000
-20000
0
20000
40000
60000

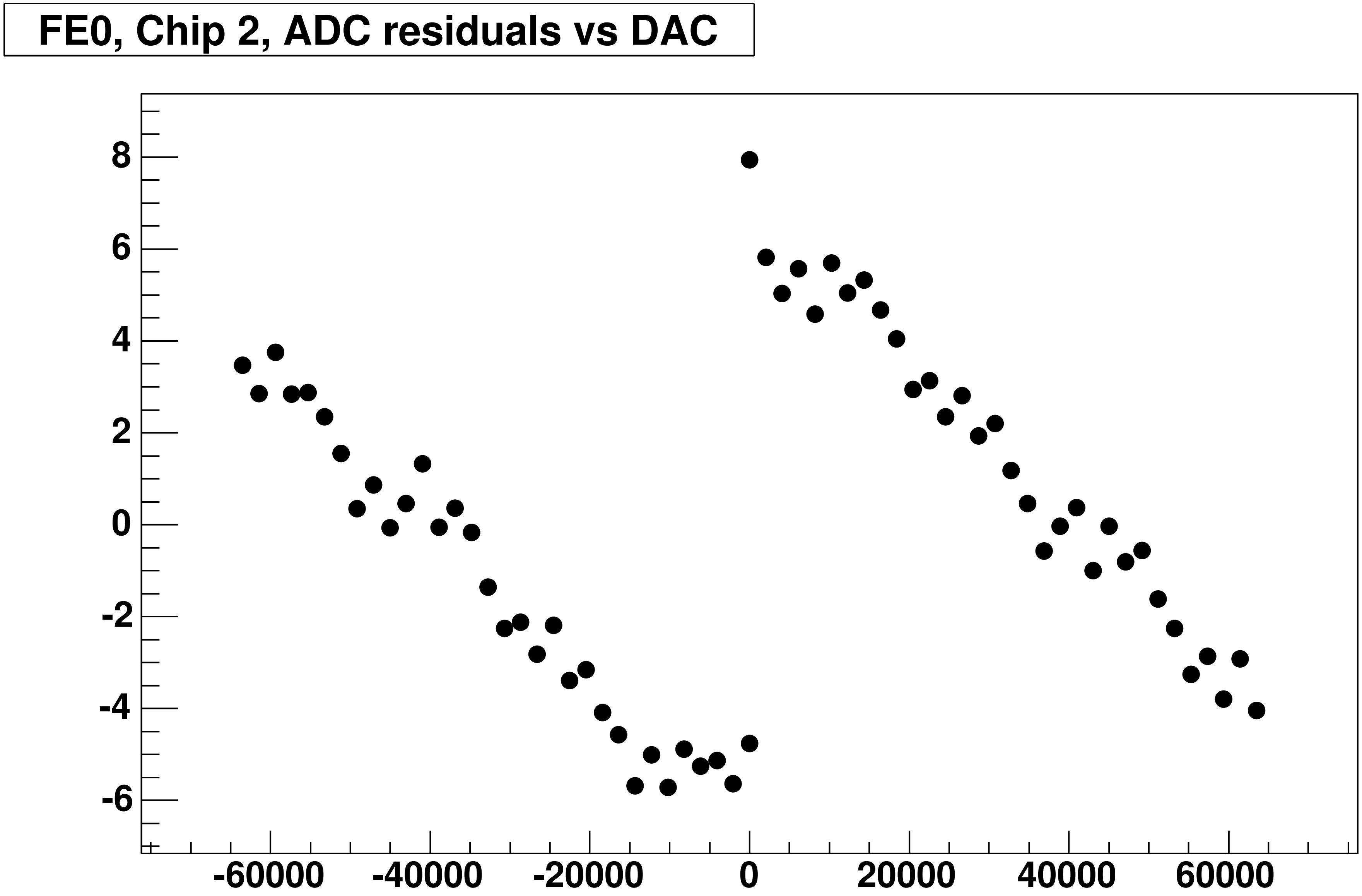

FE0, Chip 1, ADC mean vs DAC
χ^2 / ndf 2.001e+05 / 62
p0 -41.2 ± 0.008709
p1 0.2358 ± 2.538e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

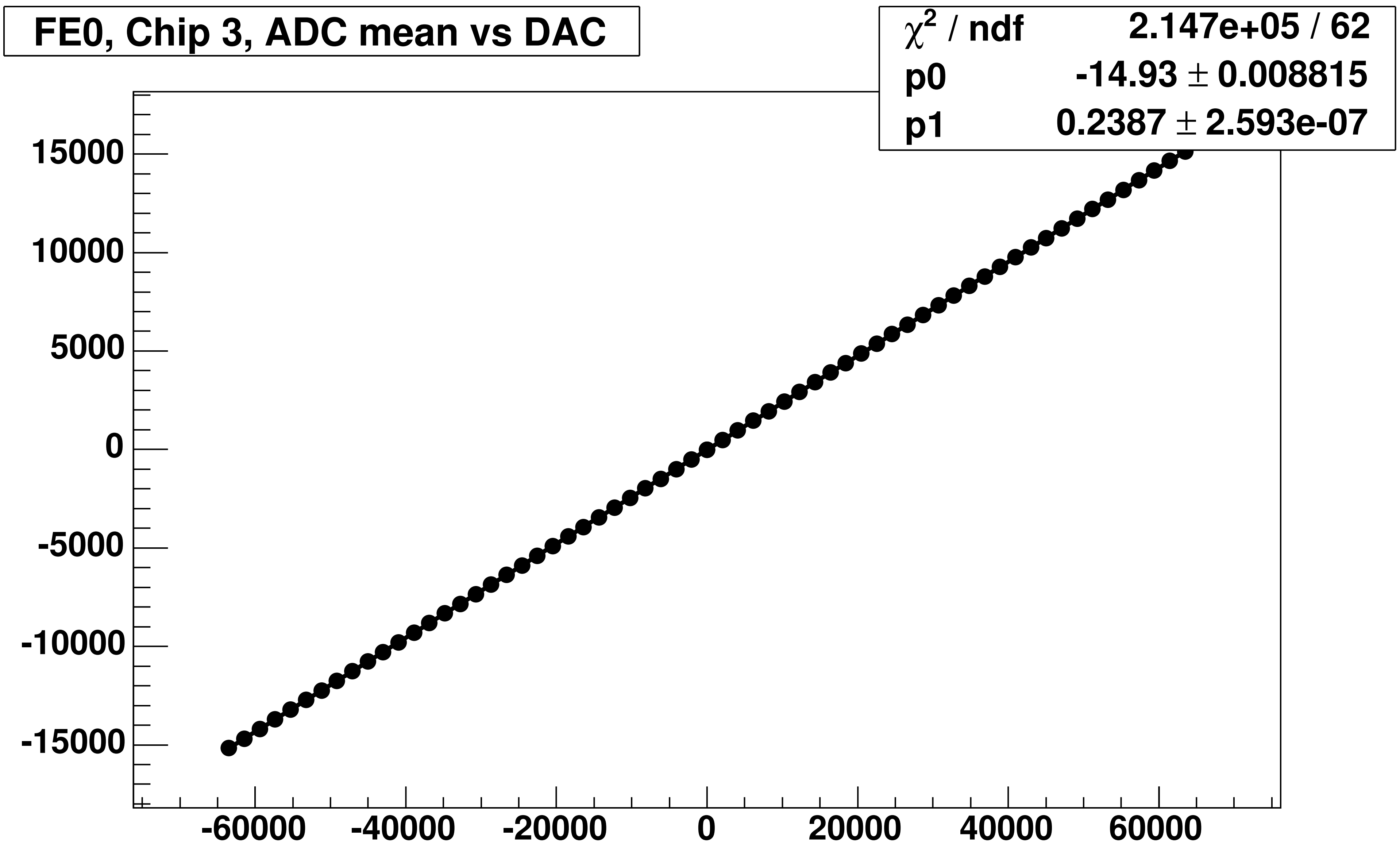

FE0, Chip 1, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

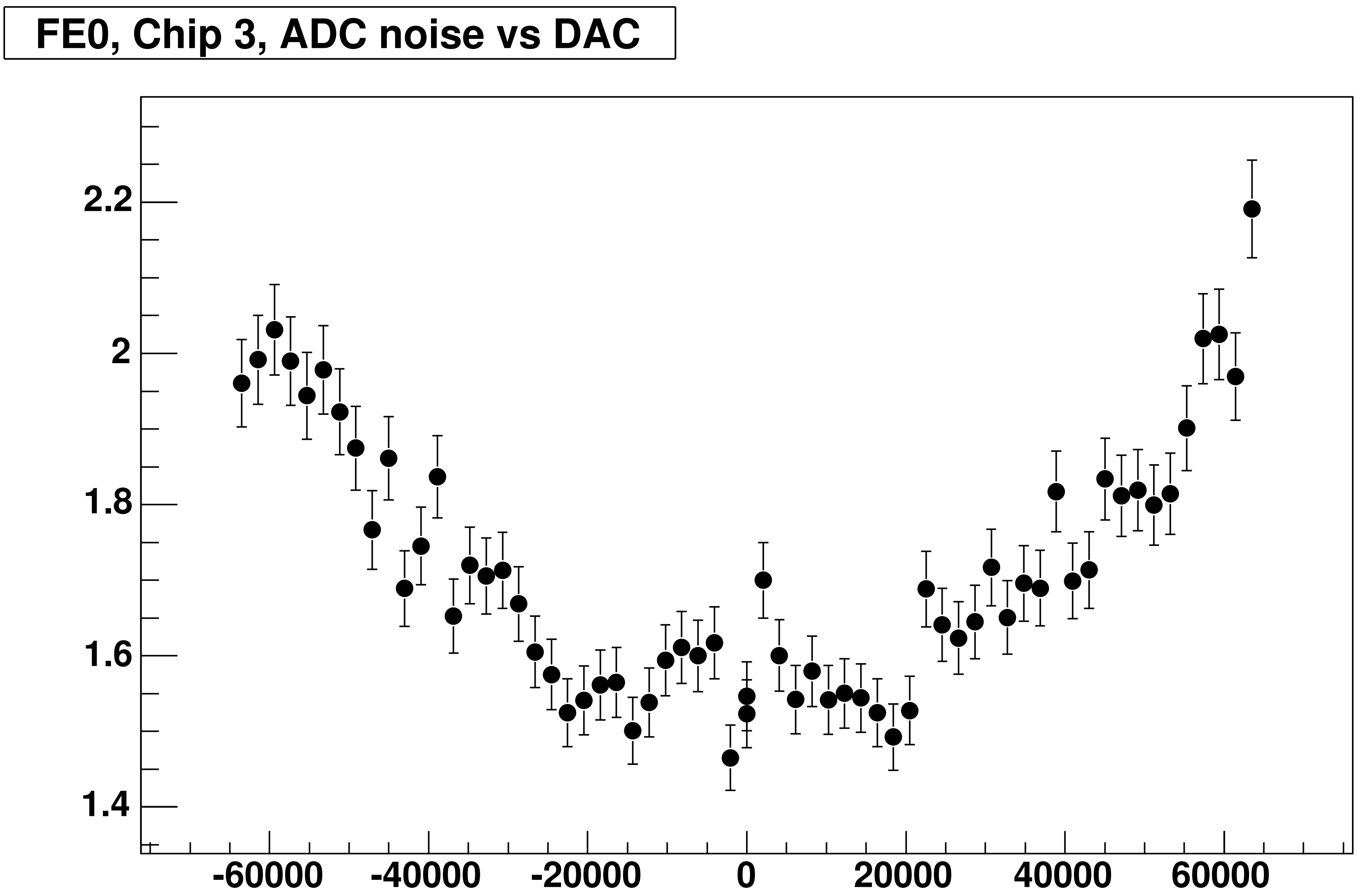

FE0, Chip 1, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

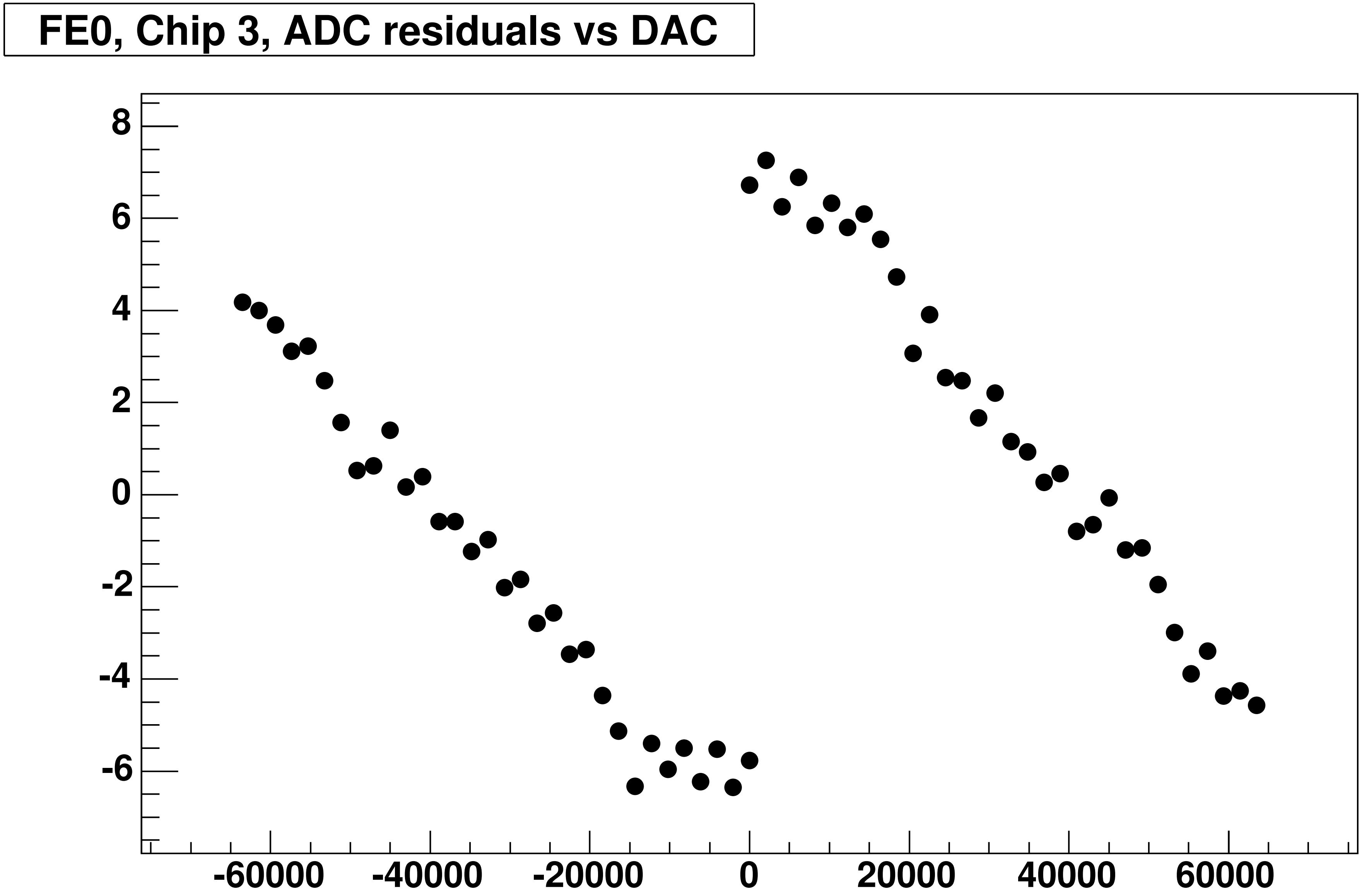

FE0, Chip 2, ADC mean vs DAC
χ^2 / ndf 1.785e+05 / 62
p0 -19.97 ± 0.008709
p1 0.2373 ± 2.56e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

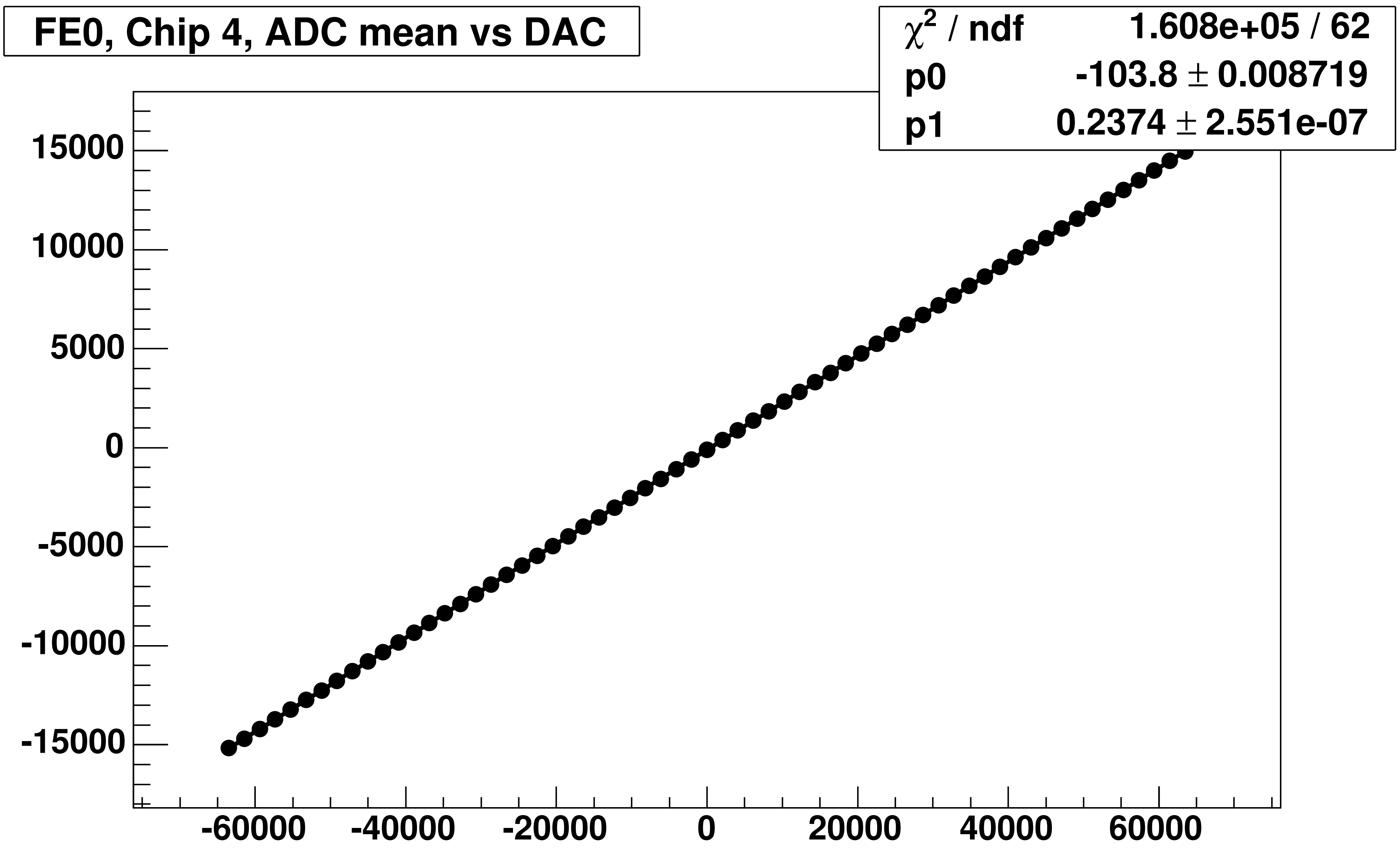

FE0, Chip 2, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 2, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 3, ADC mean vs DAC
χ2 / ndf 2.147e+05 / 62
p0 -14.93 ± 0.008815
p1 0.2387 ± 2.593e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 3, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 3, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000



FE0, Chip 4, ADC mean vs DAC
χ^2 / ndf 1.608e+05 / 62
p0 -103.8 ± 0.008719
p1 0.2374 ± 2.551e-07
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10000
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0
-5000
-10000
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-40000
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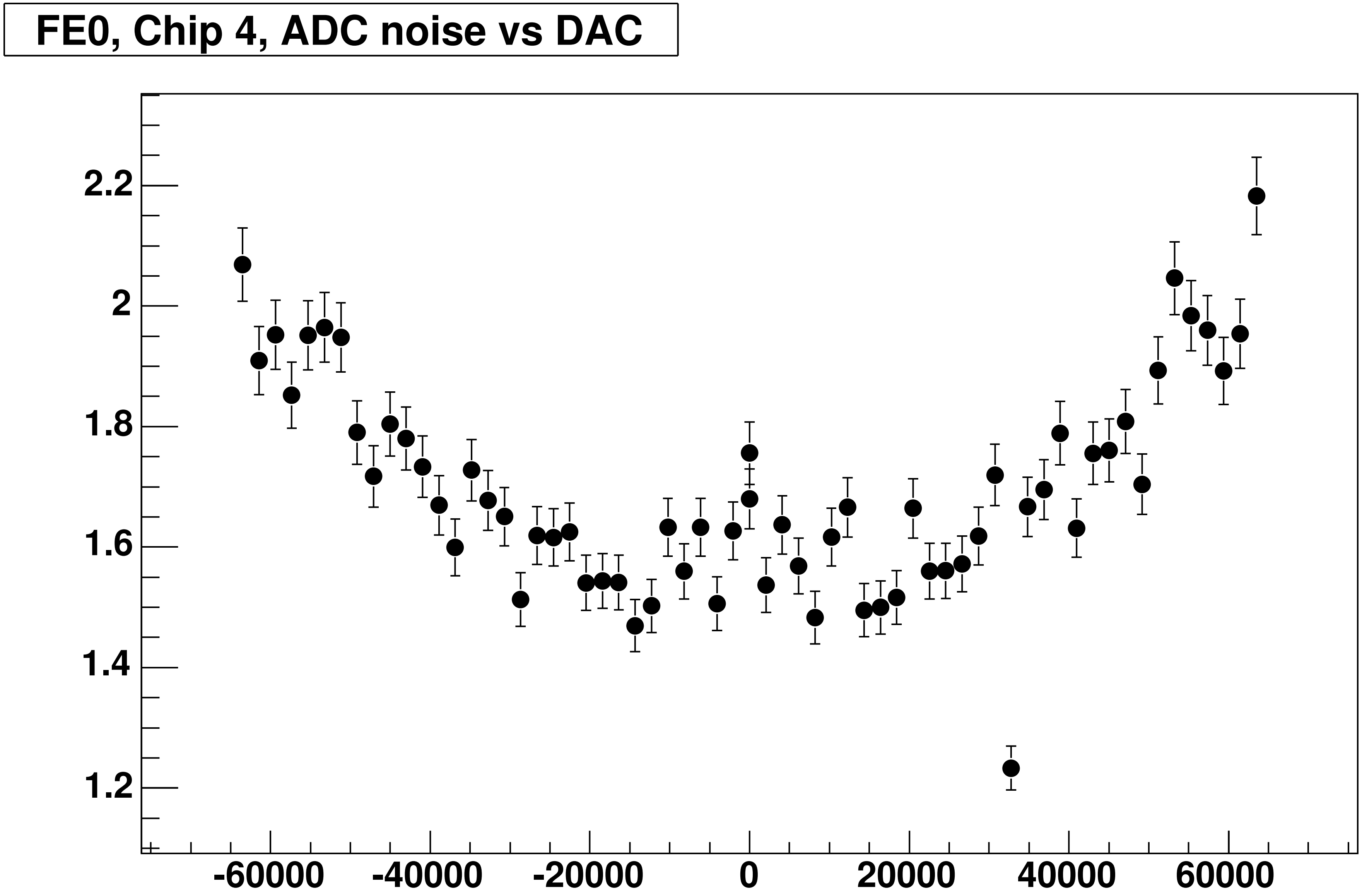
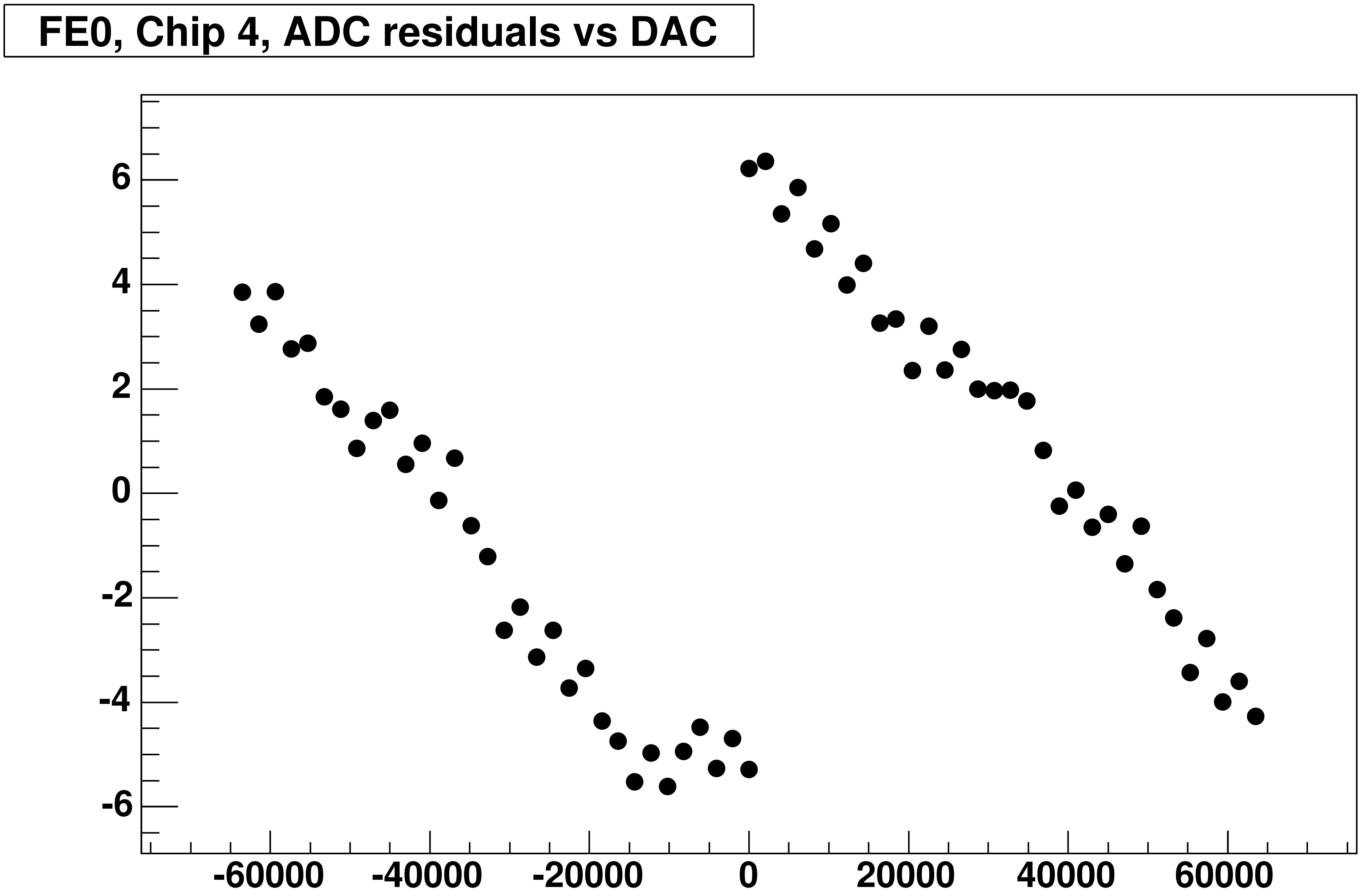
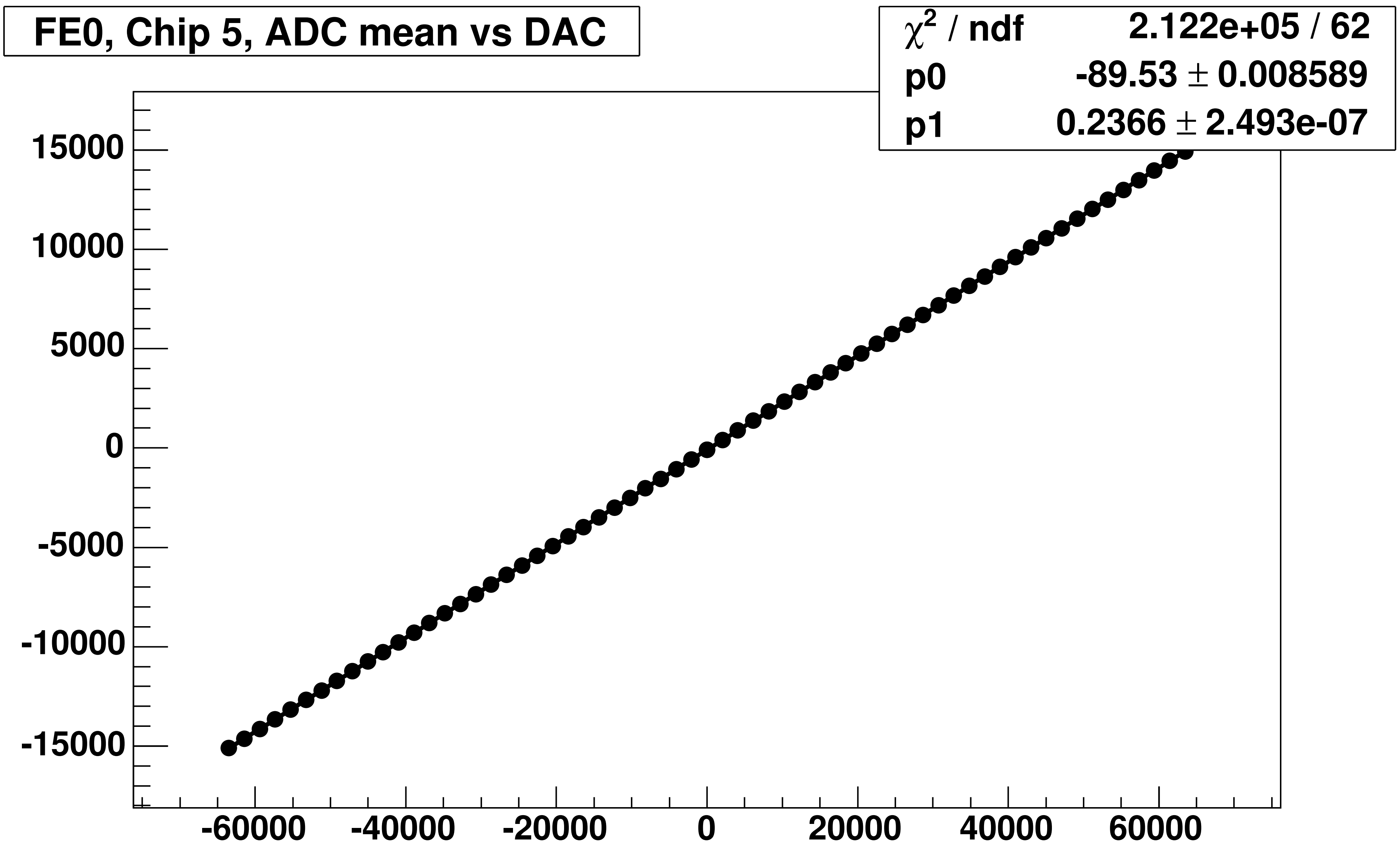
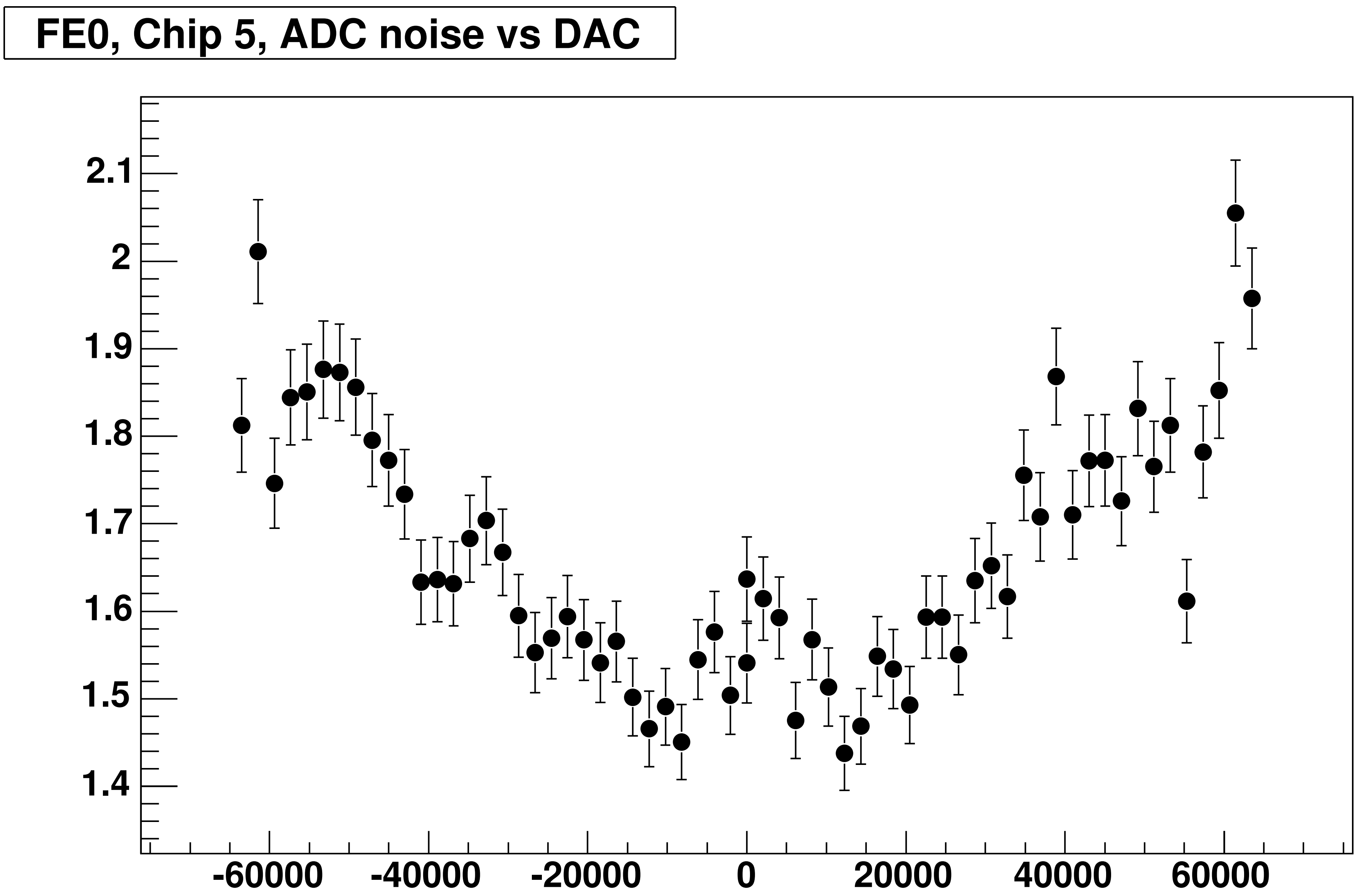
0
20000
40000
60000

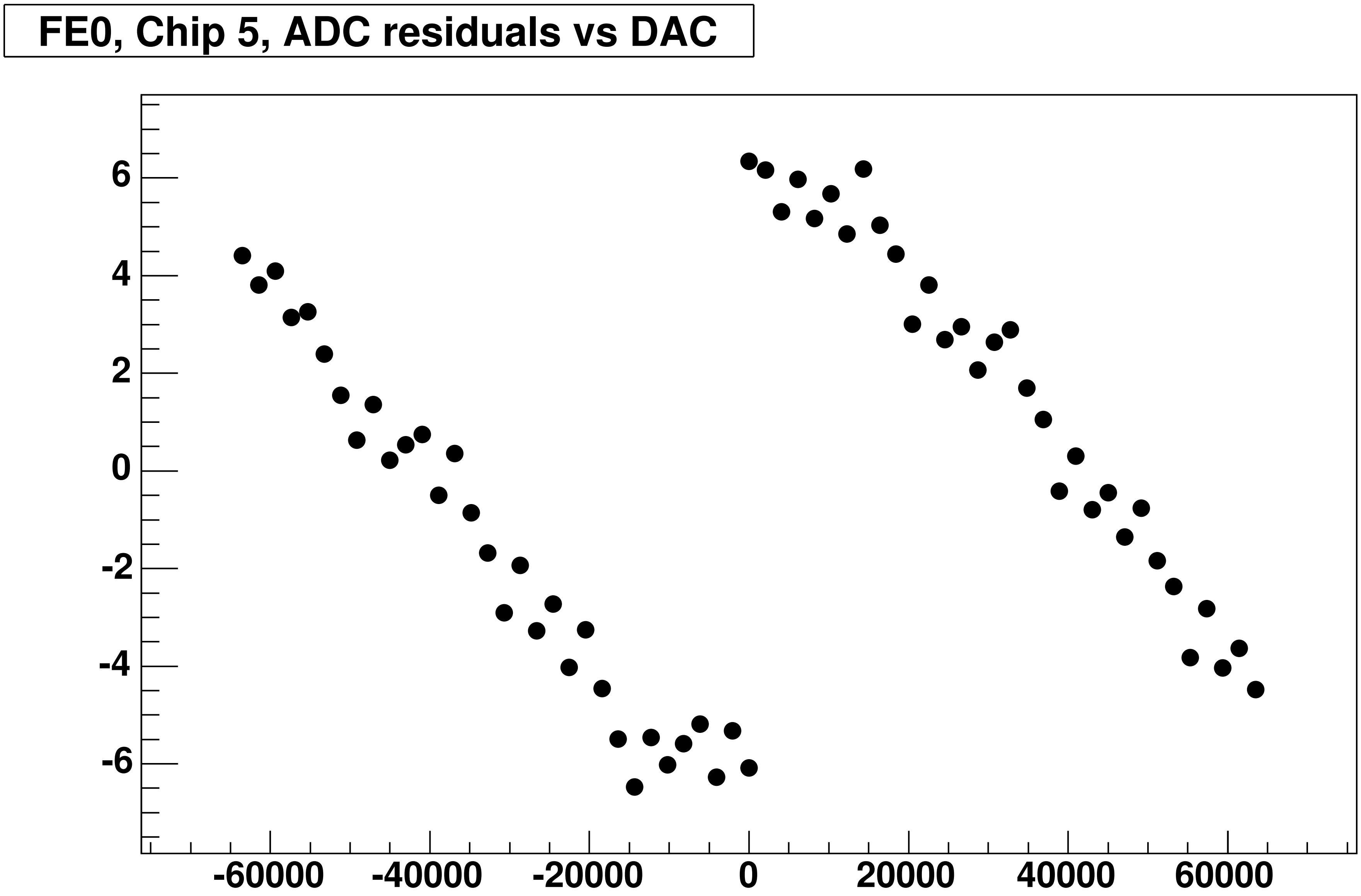

FE0, Chip 4, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000

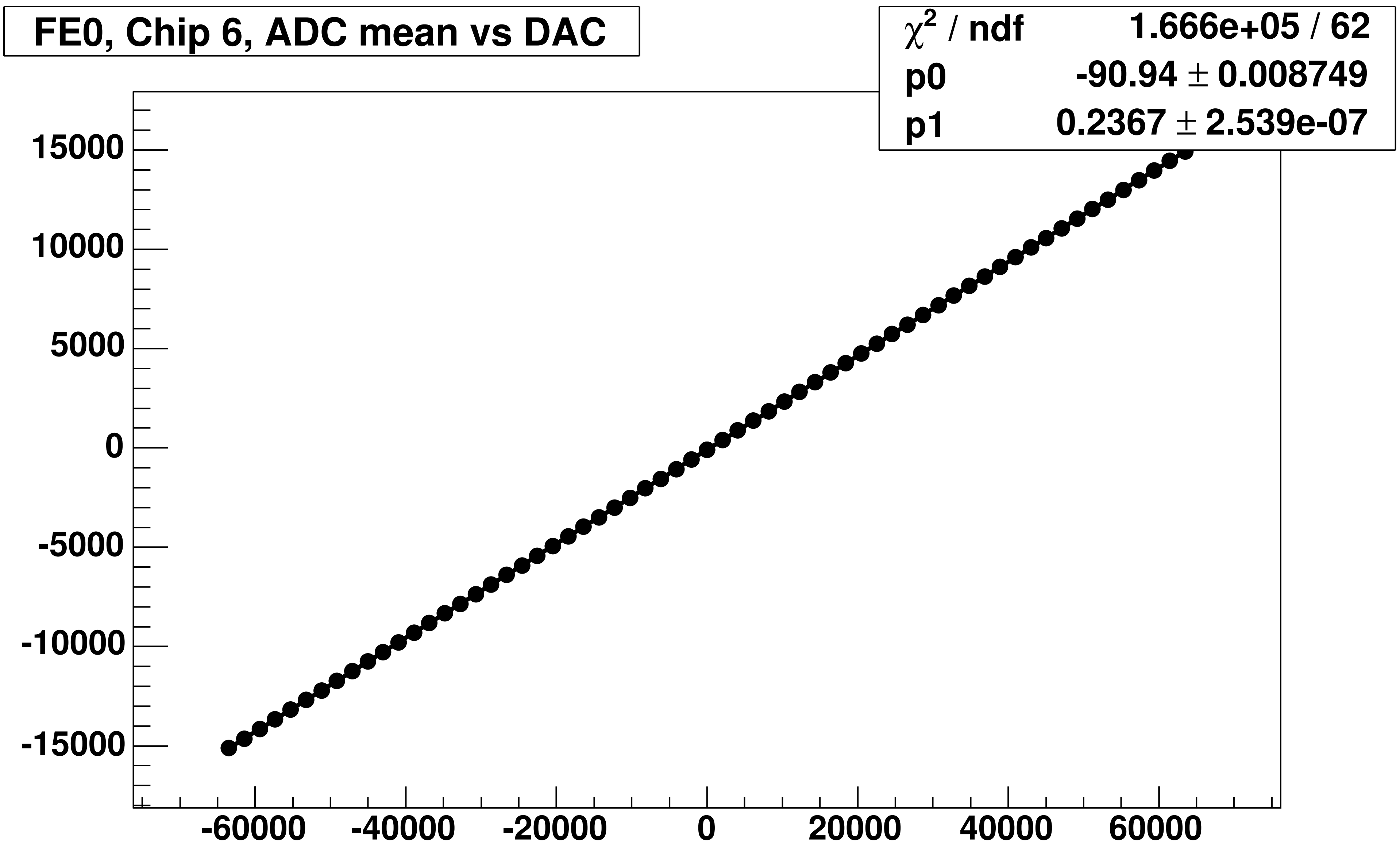

FE0, Chip 4, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000



FE0, Chip 5, ADC mean vs DAC
χ^2 / ndf 2.122e+05 / 62
p0 -89.53 ± 0.008589
p1 0.2366 ± 2.493e-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
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 5, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 6, ADC mean vs DAC
χ2 / ndf 1.666e+05 / 62
p0 -90.94 ± 0.008749
p1 0.2367 ± 2.539e-07
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-10000
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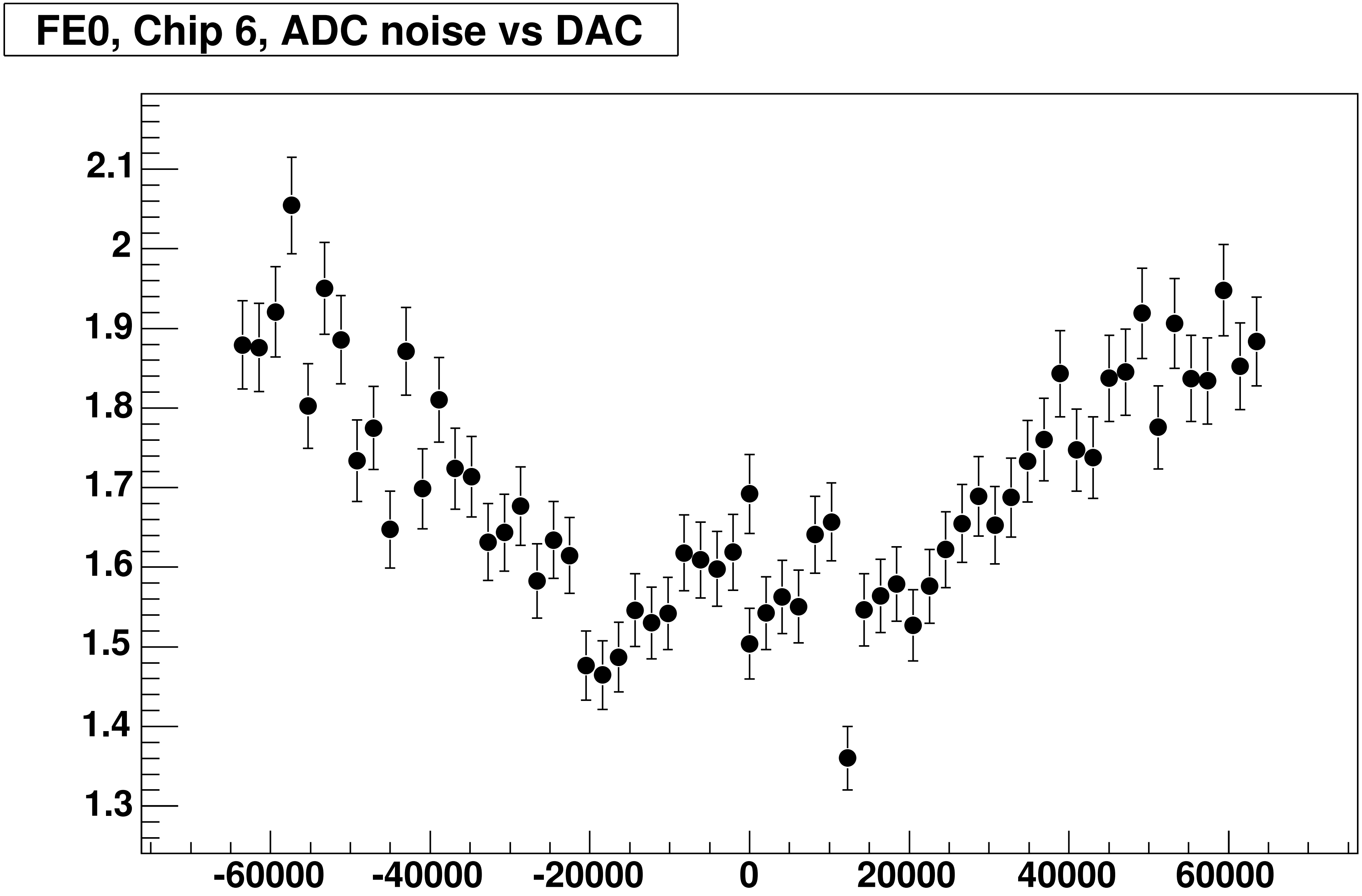
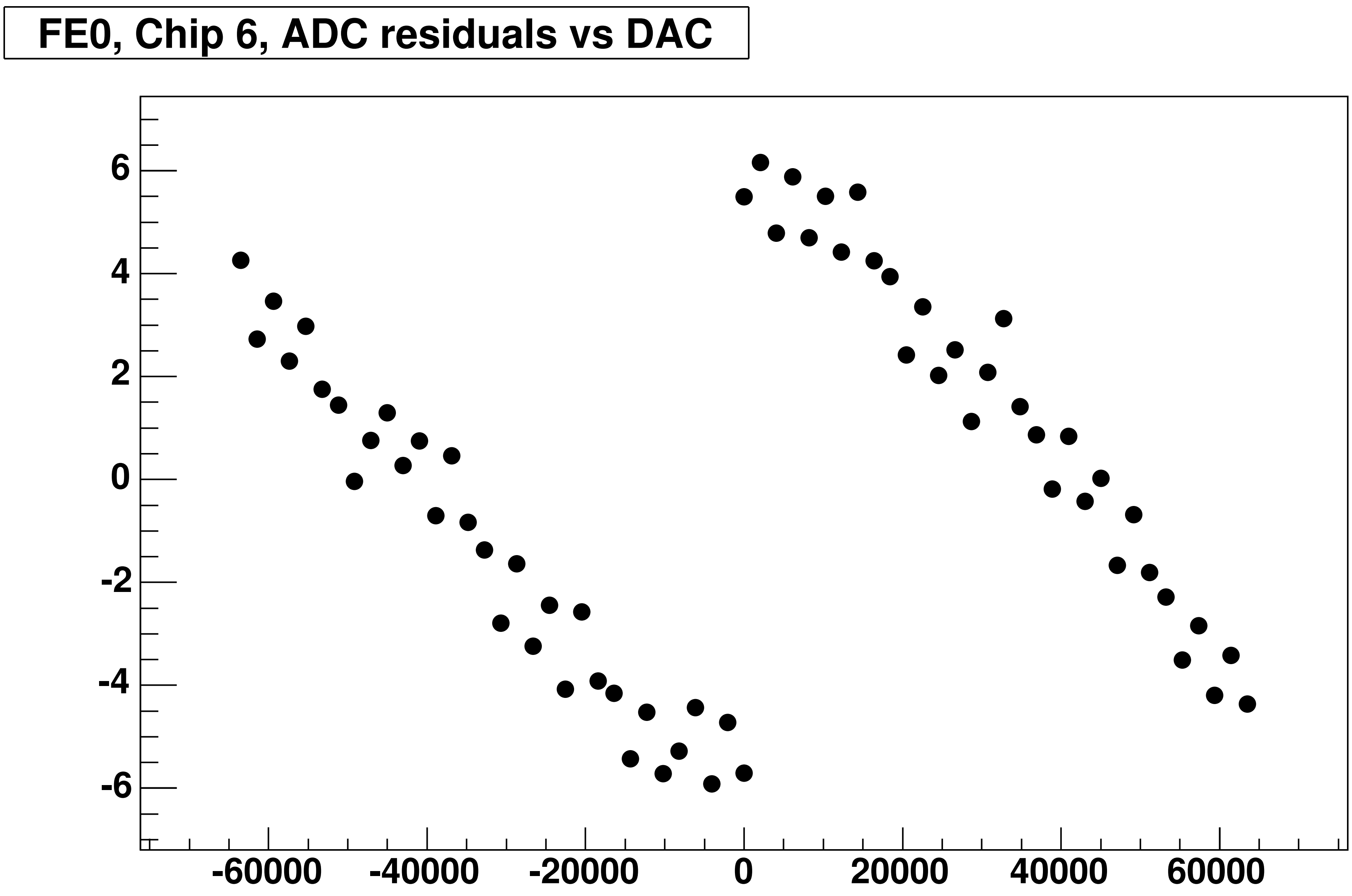
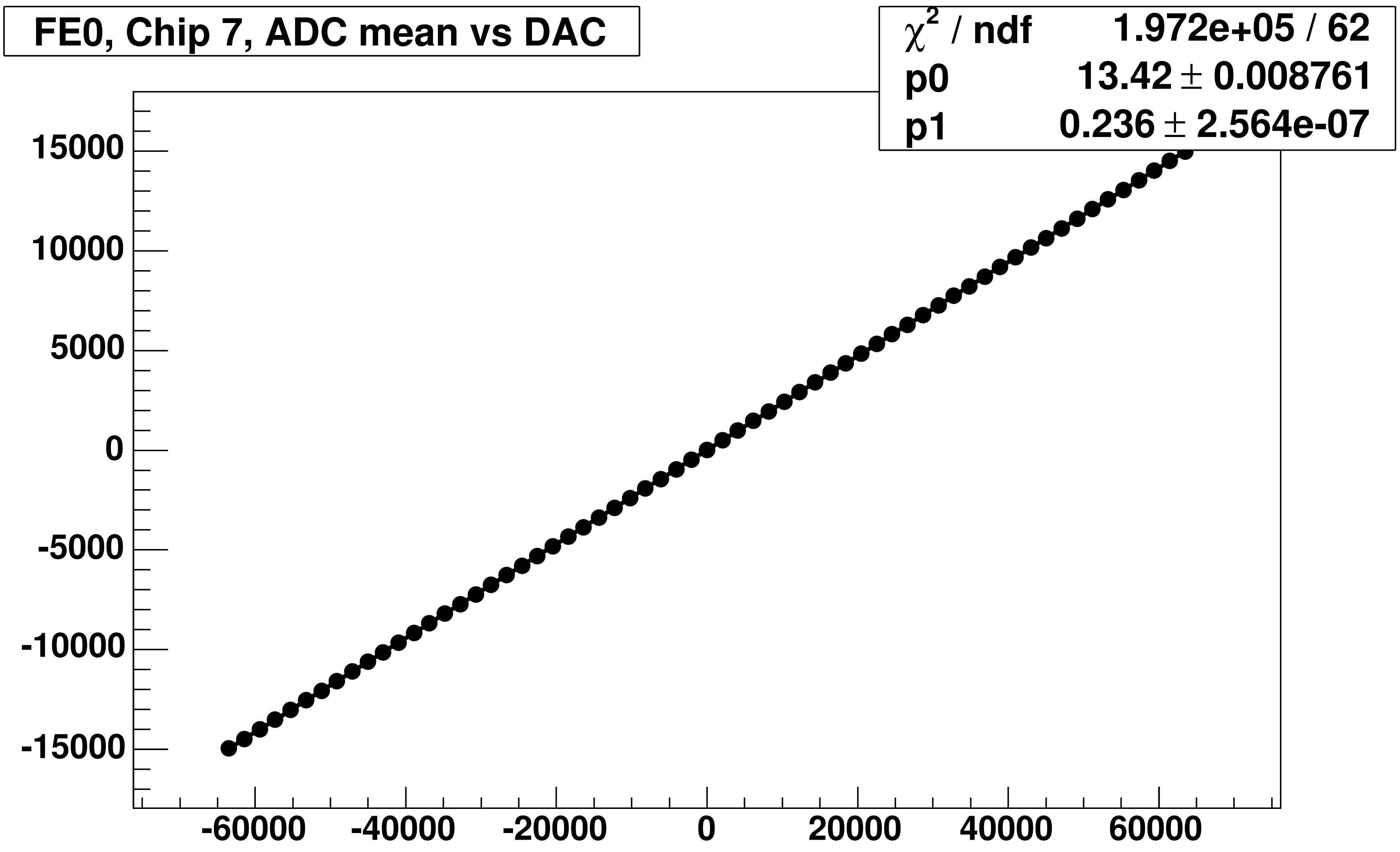
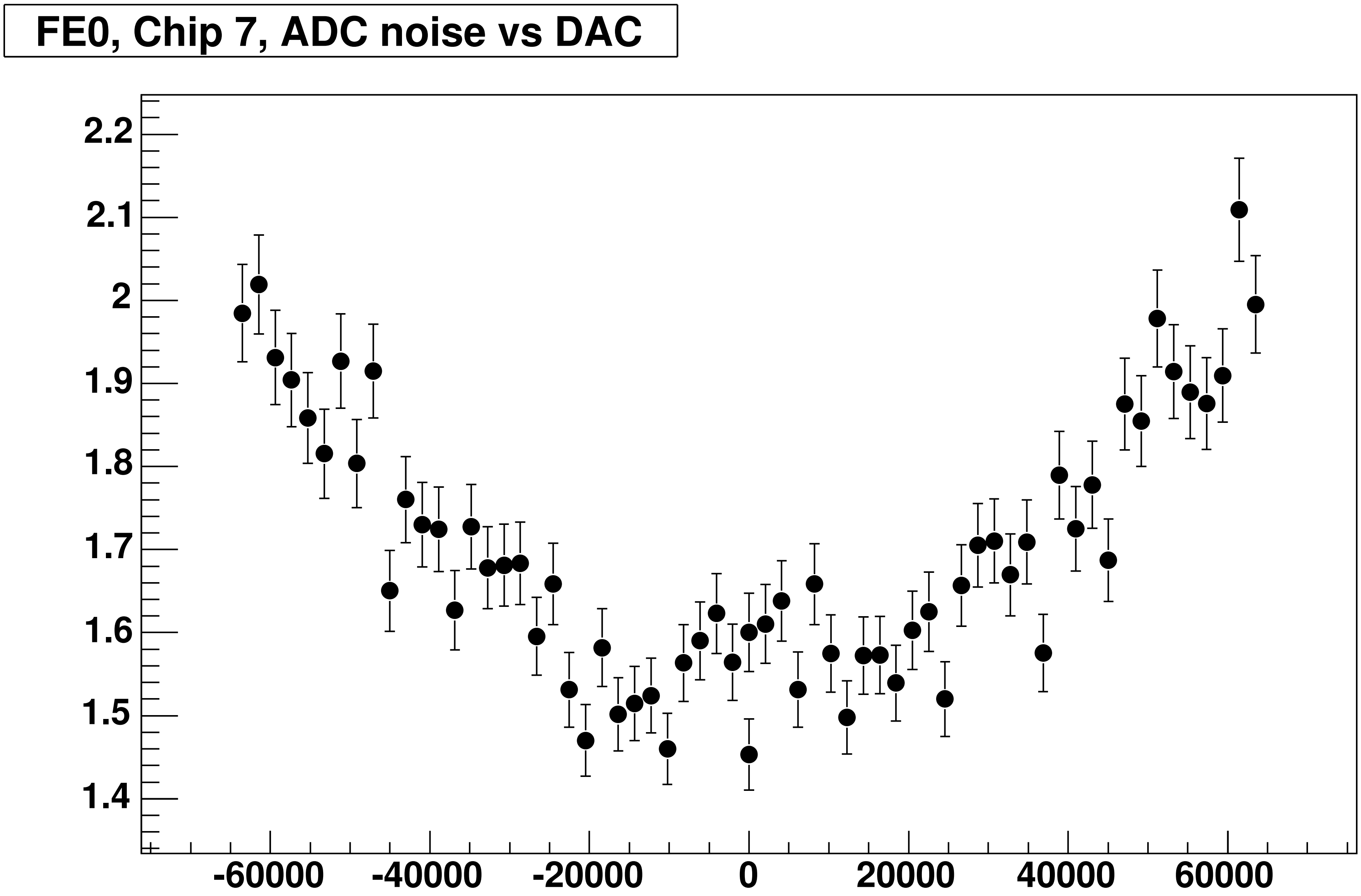
0
20000
40000
60000

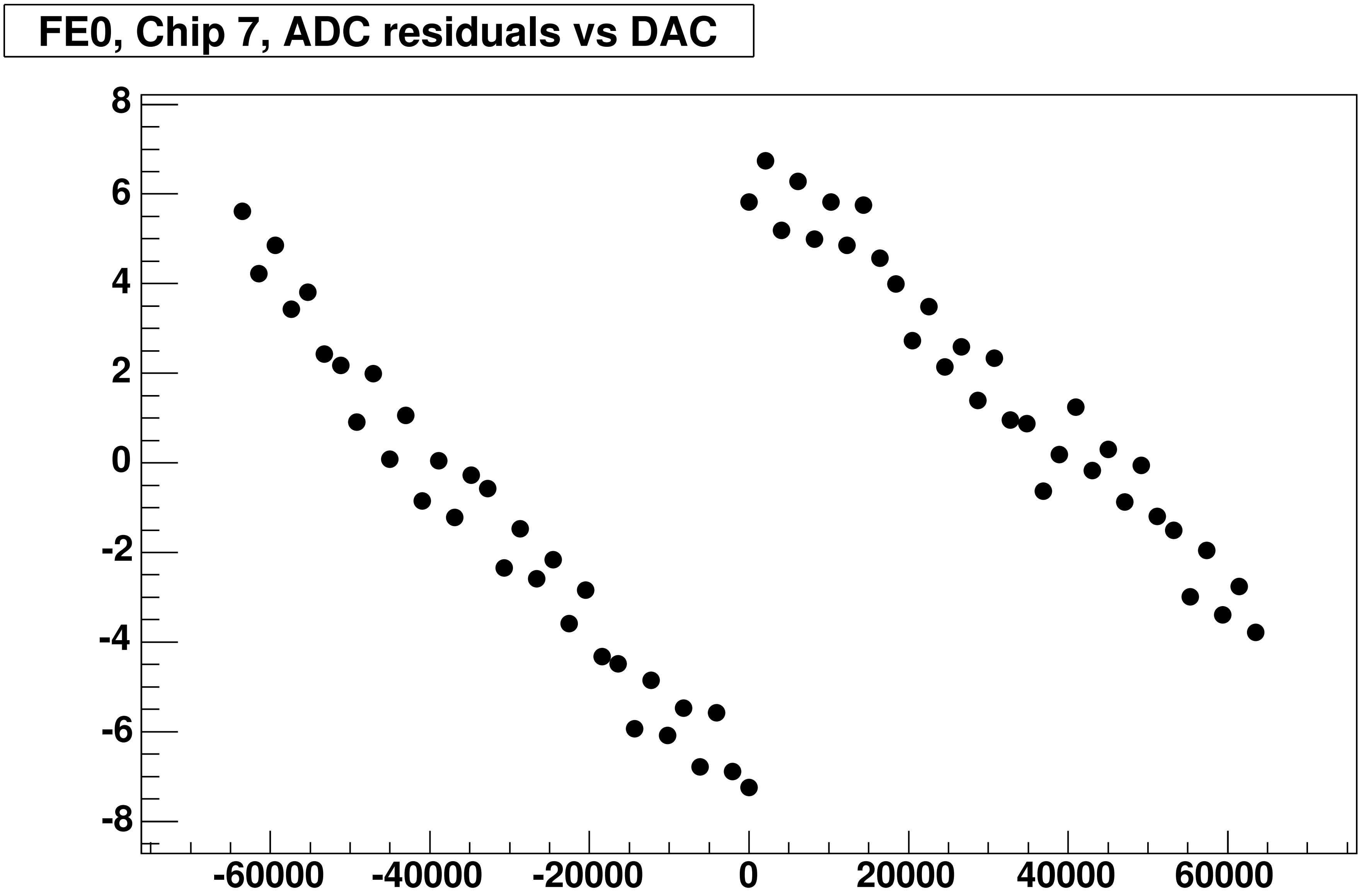


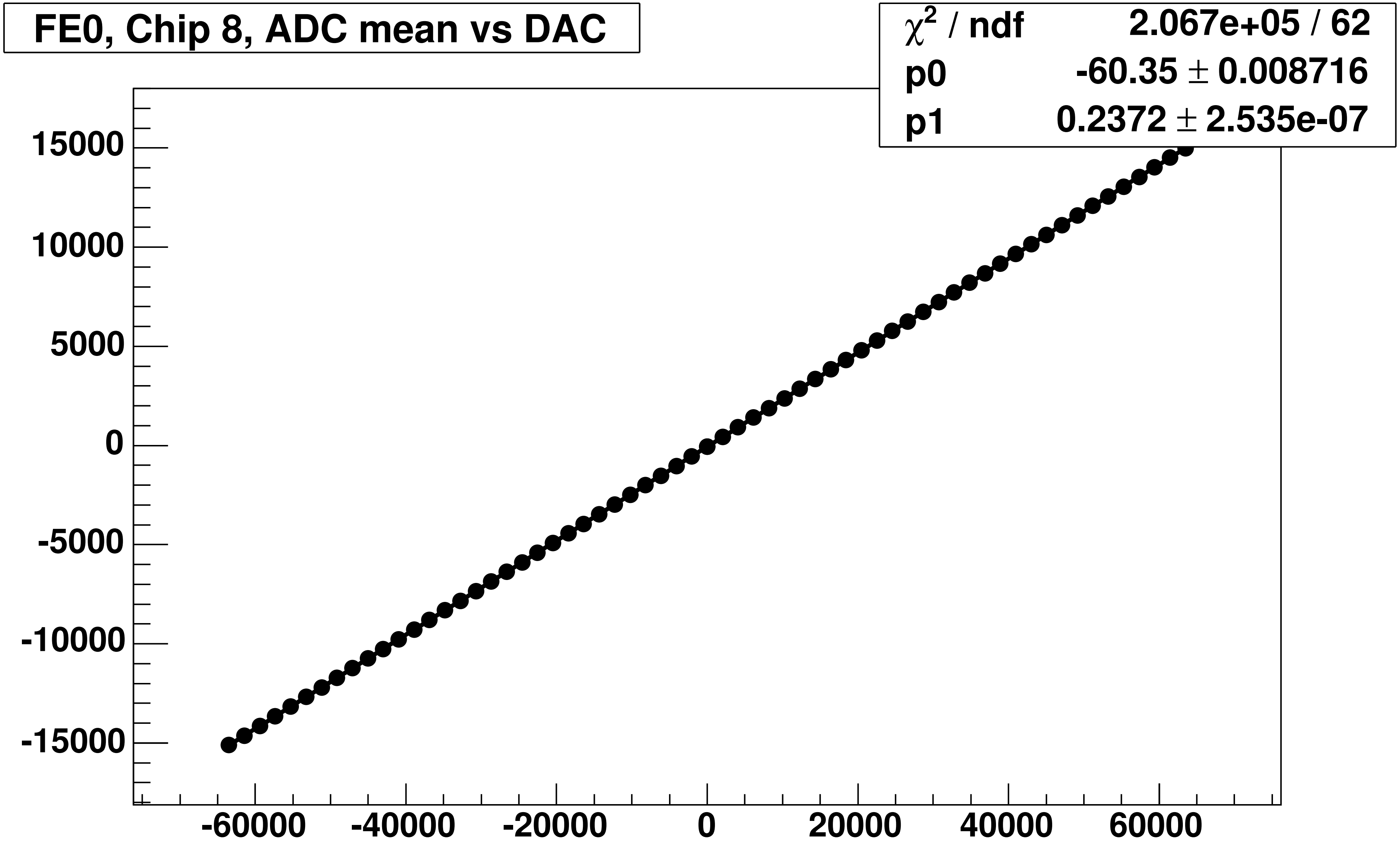
FE0, Chip 6, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 6, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

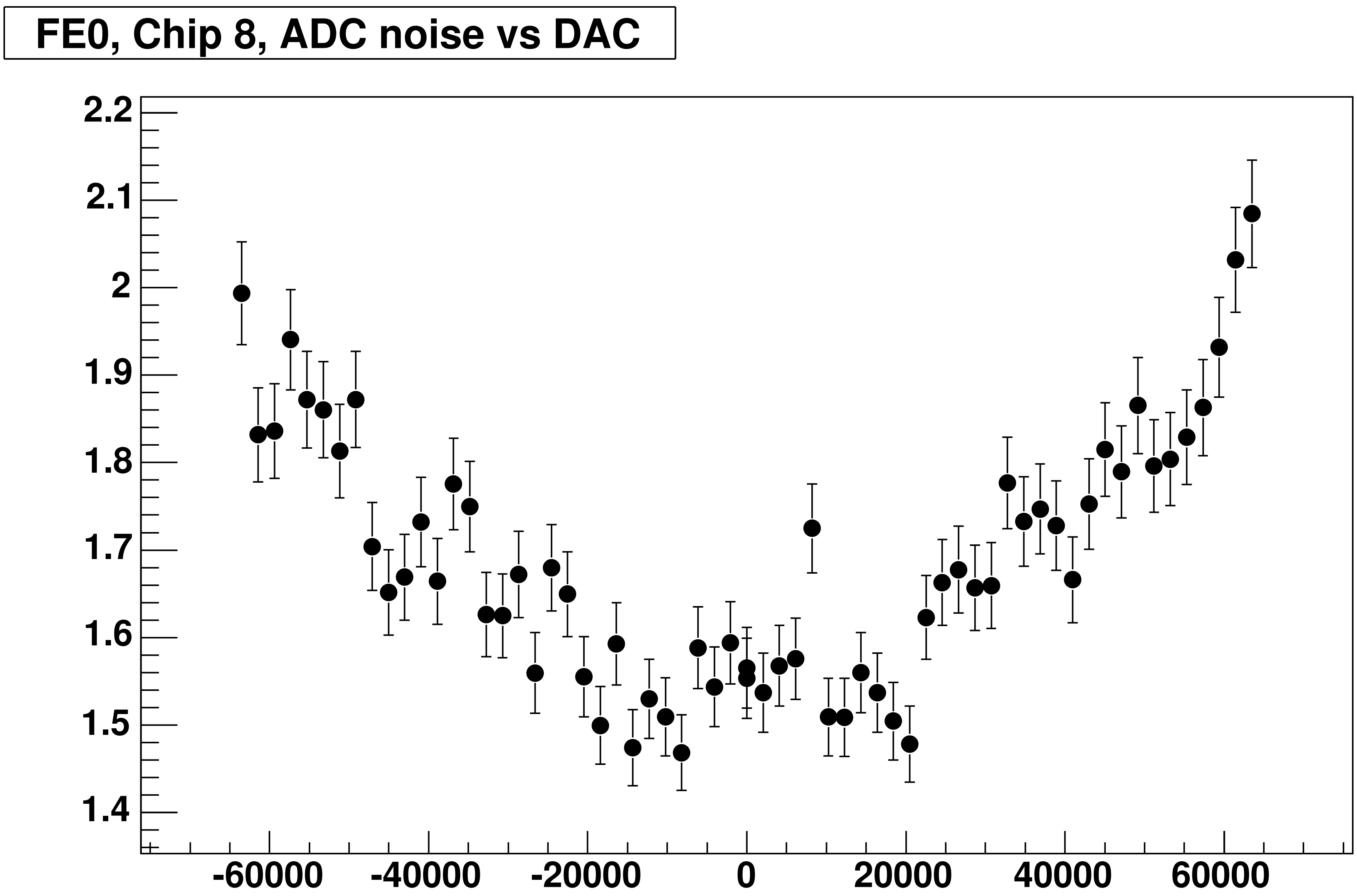

FE0, Chip 7, ADC mean vs DAC
χ^2 / ndf 1.972e+05 / 62
p0 13.42 ± 0.008761
p1 0.236 ± 2.564e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

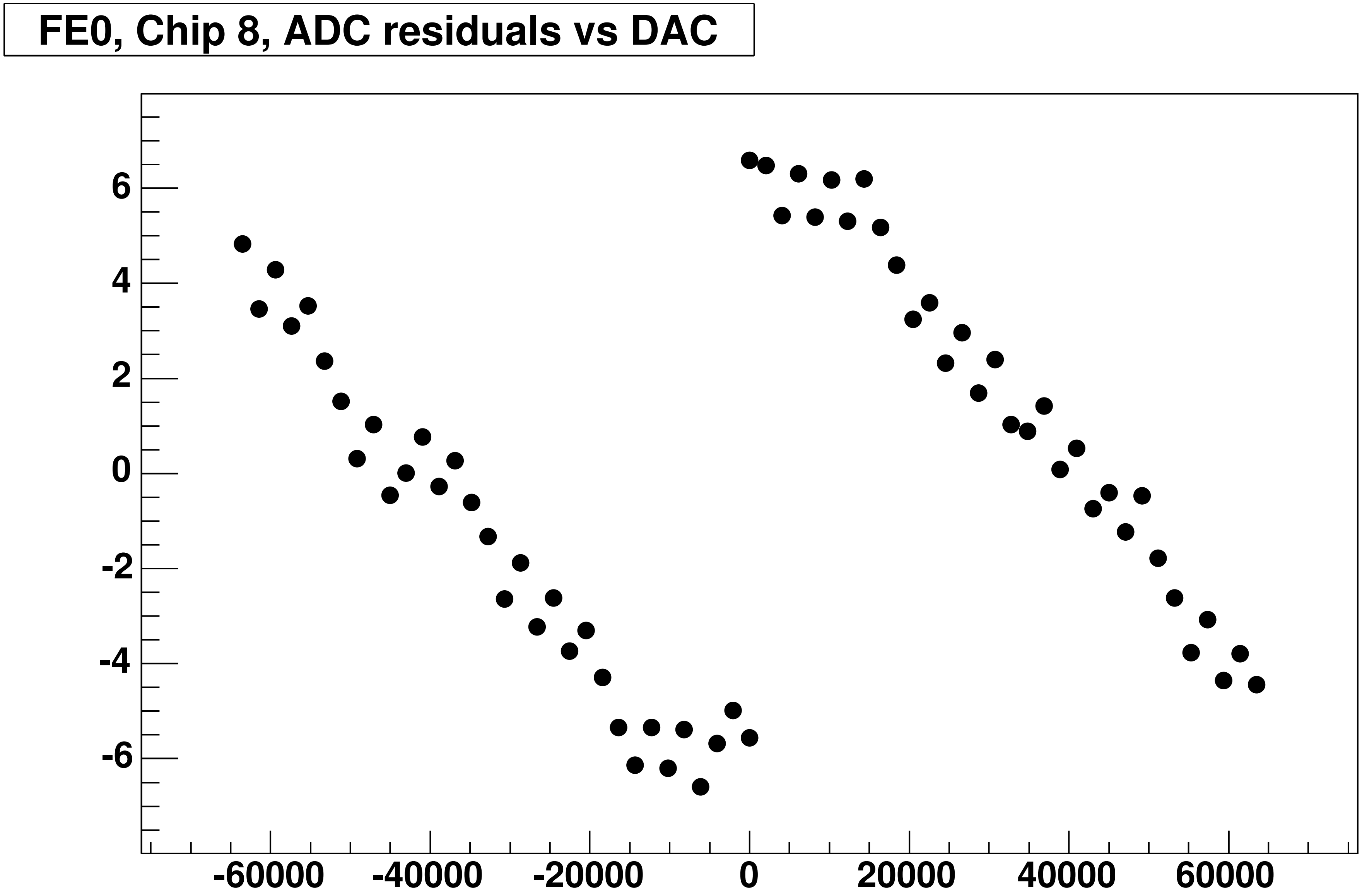

FE0, Chip 7, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

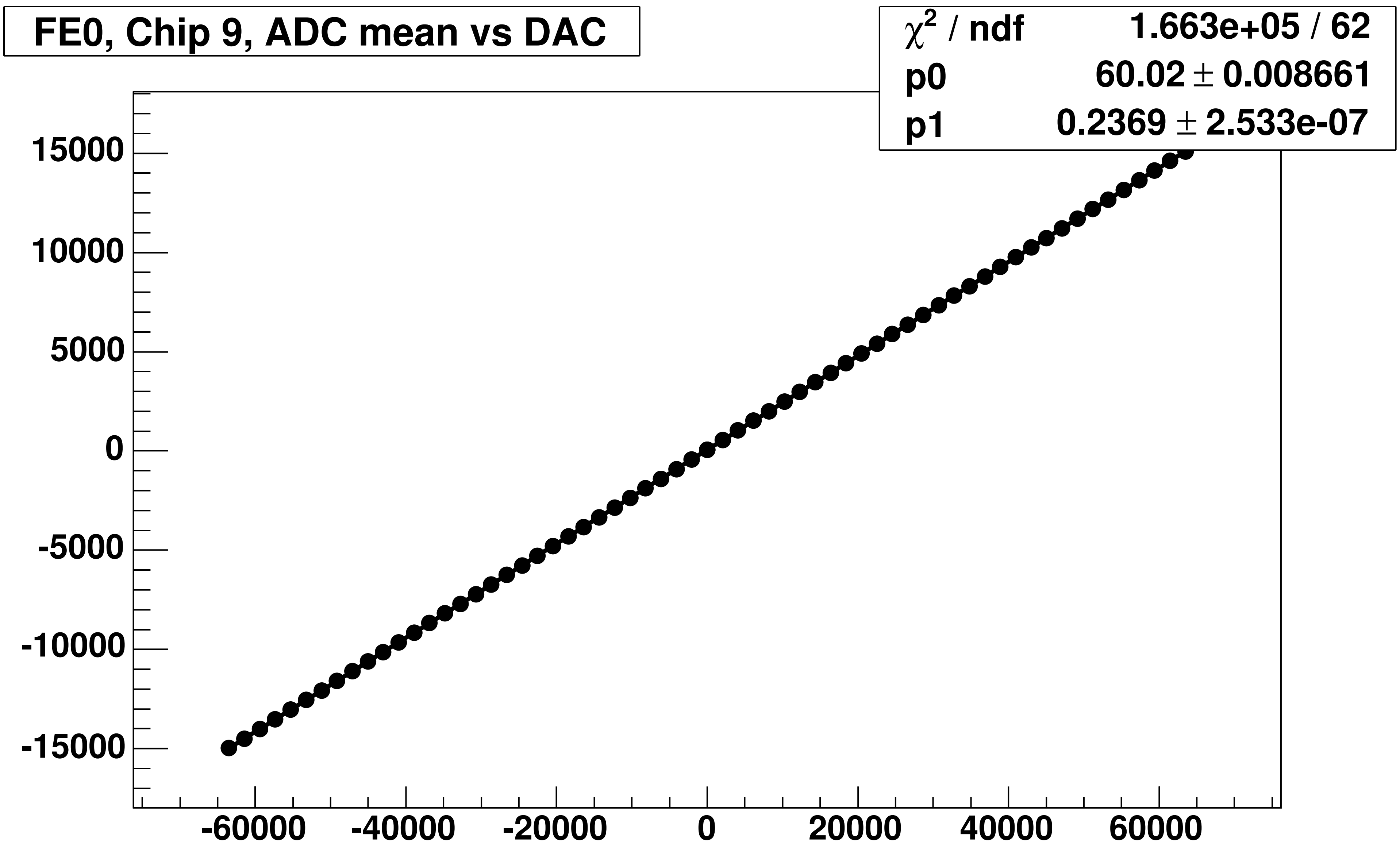

FE0, Chip 7, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-60000
-40000
-20000
0
20000
40000
60000

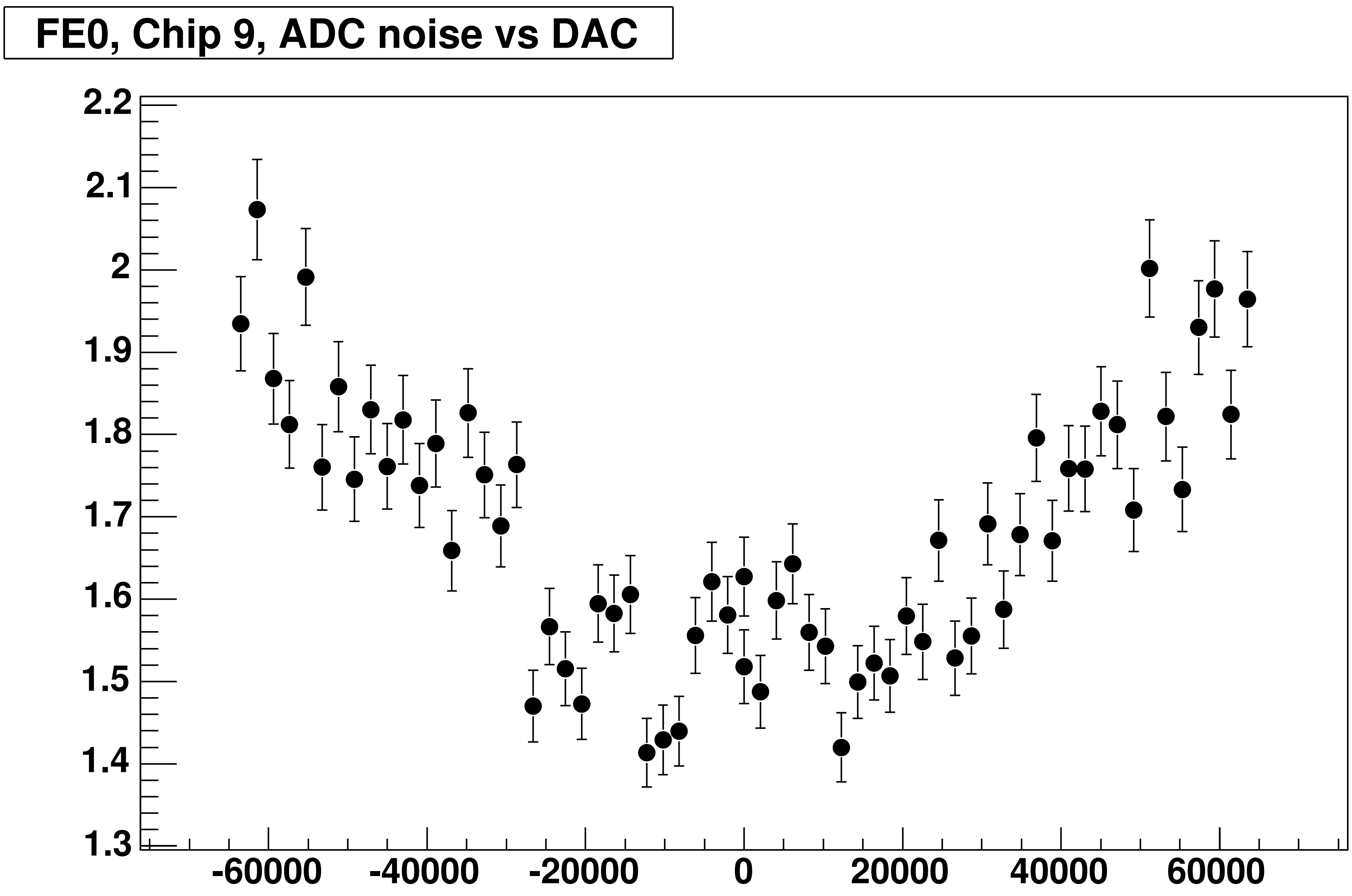


FE0, Chip 8, ADC mean vs DAC
χ^2 / ndf 2.067e+05 / 62
p0 -60.35 ± 0.008716
p1 0.2372 ± 2.535e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

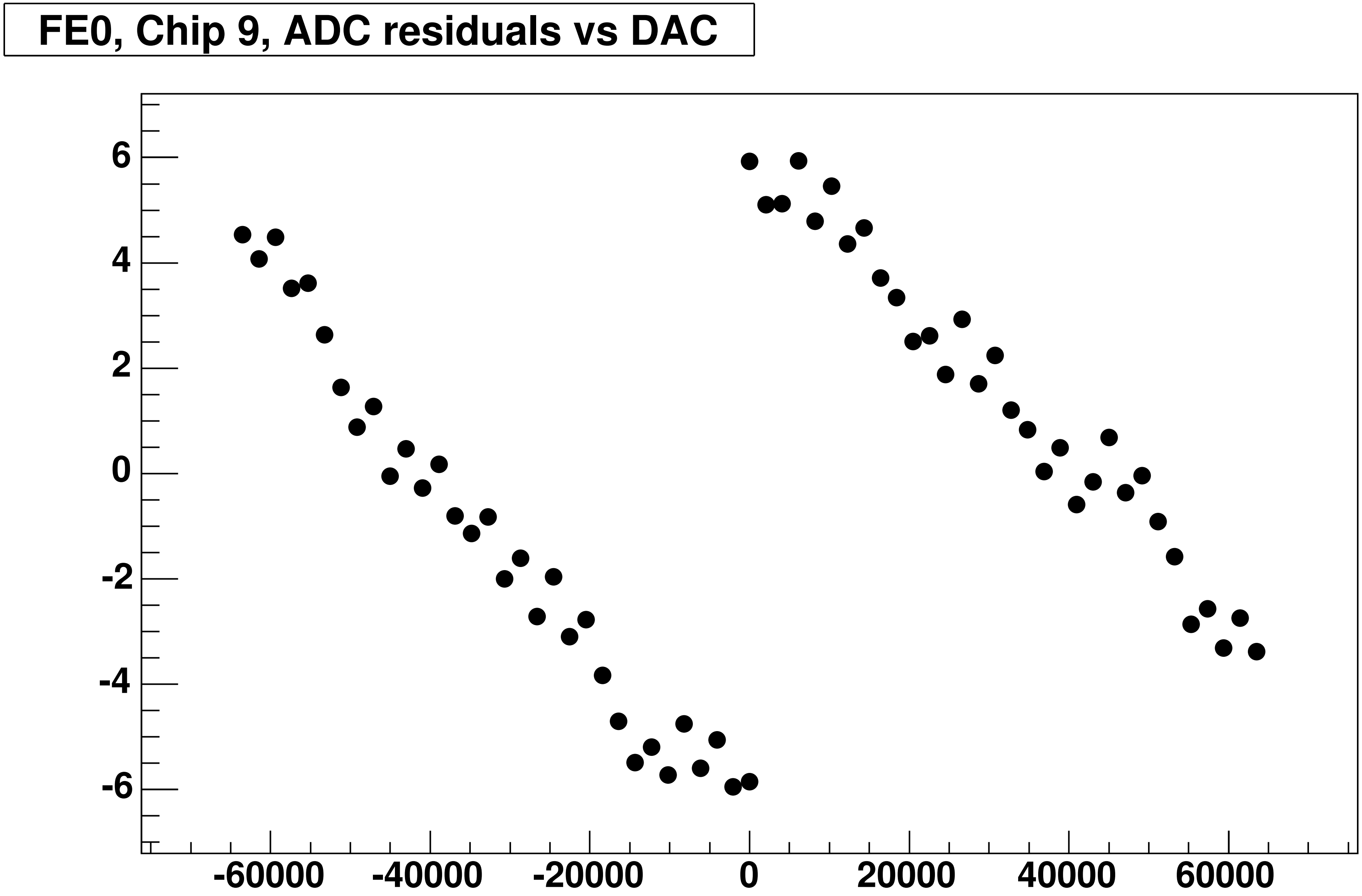

FE0, Chip 8, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 8, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

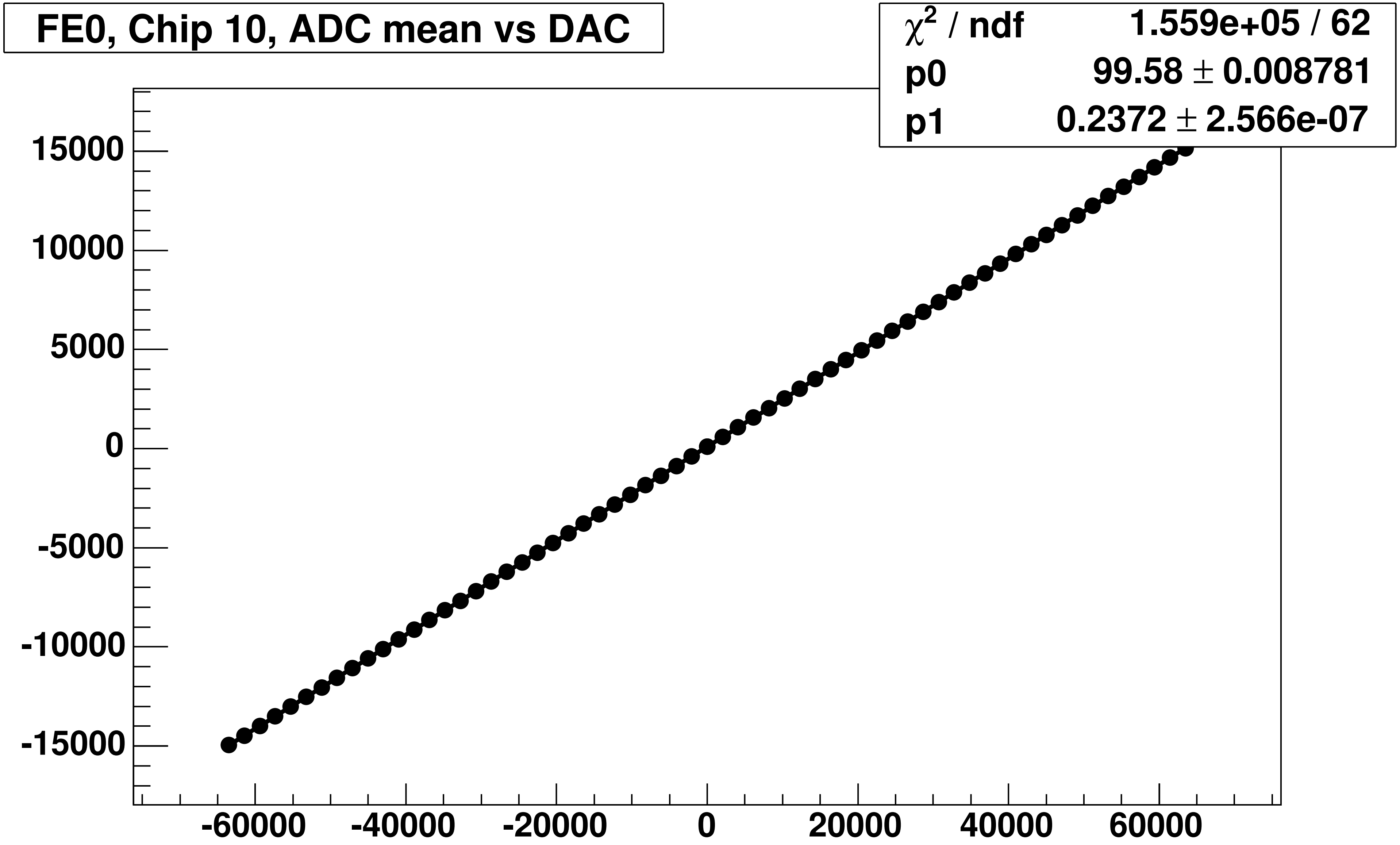

FE0, Chip 9, ADC mean vs DAC
χ^2 / ndf 1.663e+05 / 62
p0 60.02 ± 0.008661
p1 0.2369 ± 2.533e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

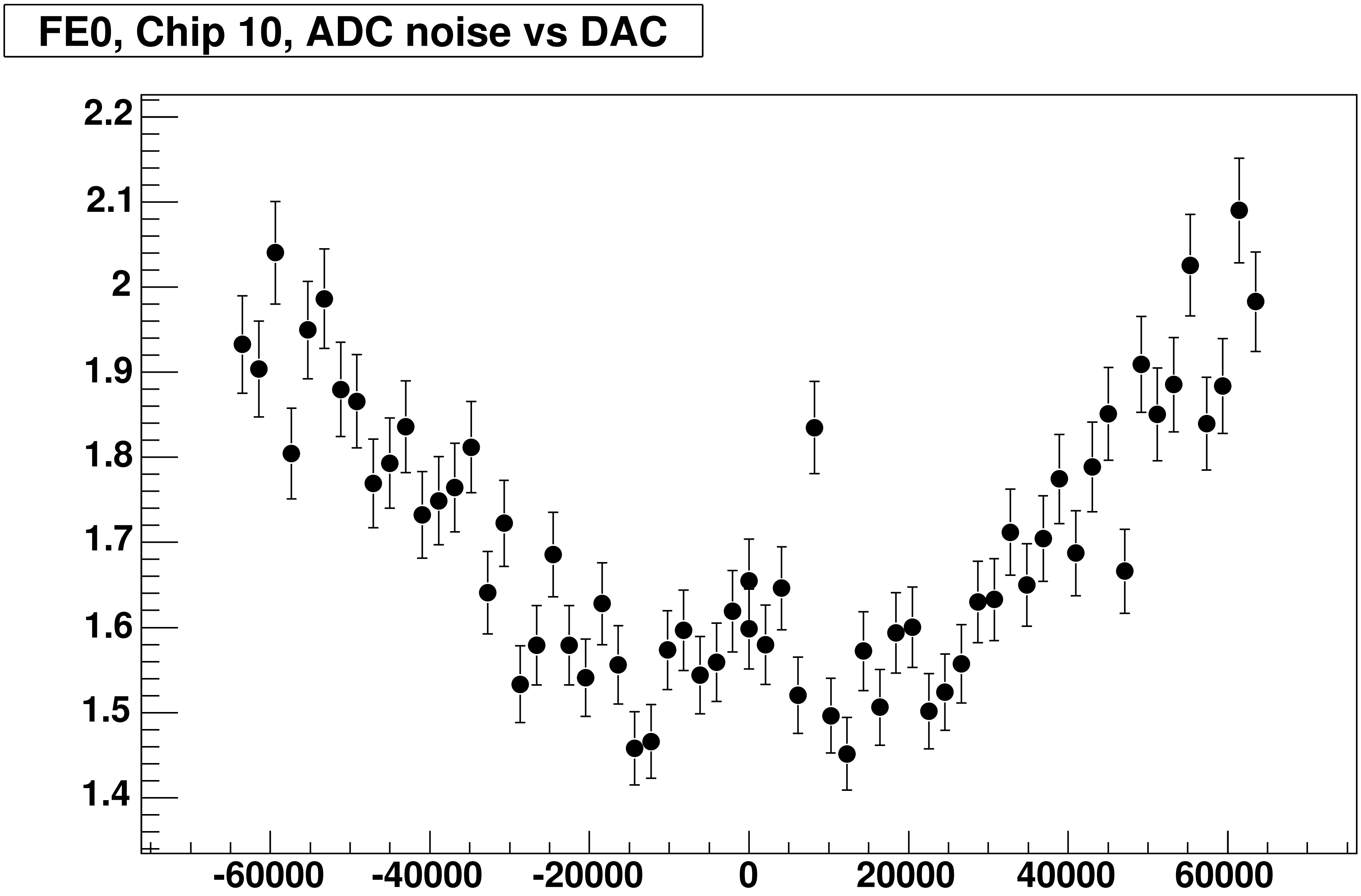


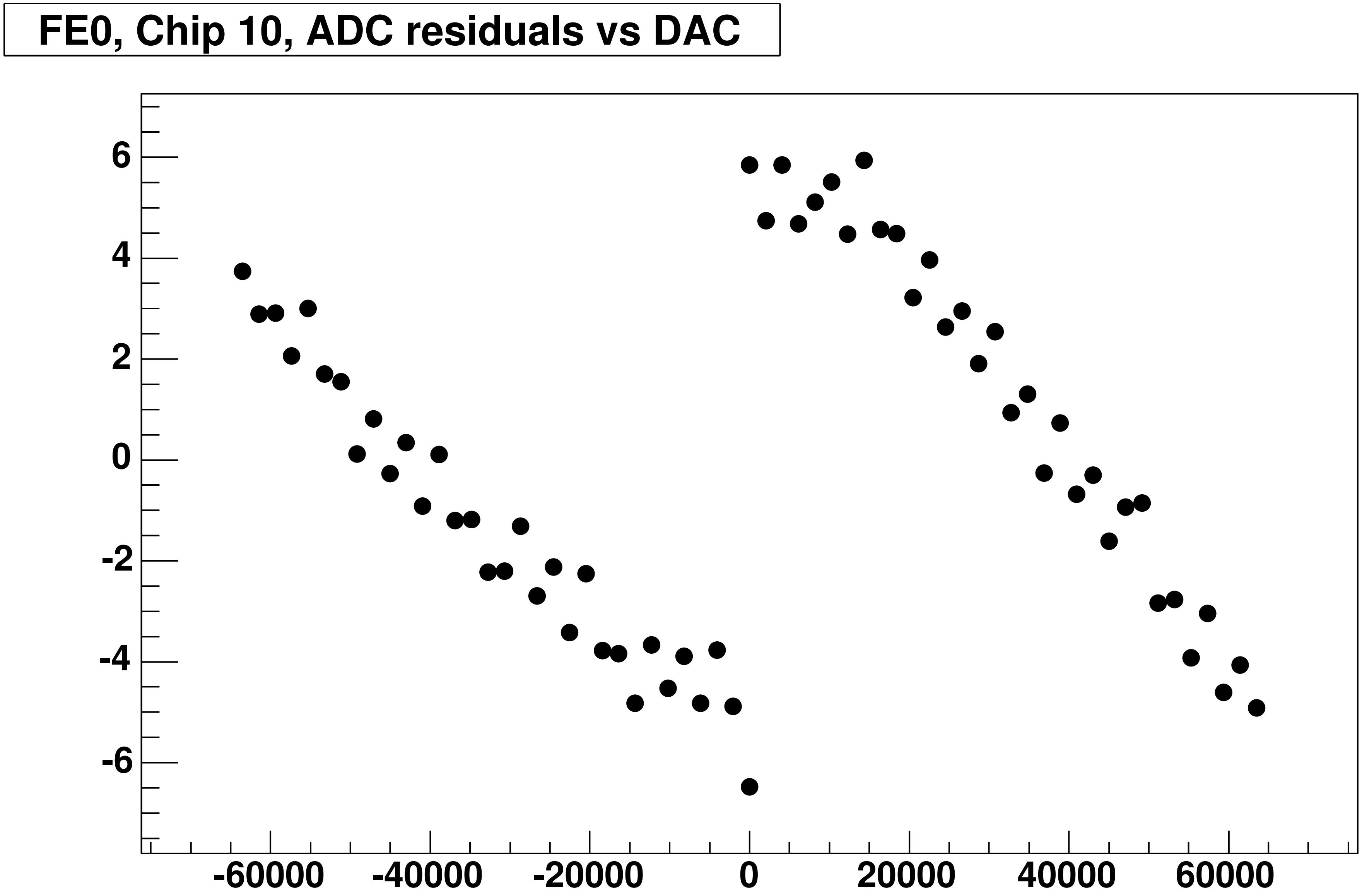
FE0, Chip 9, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

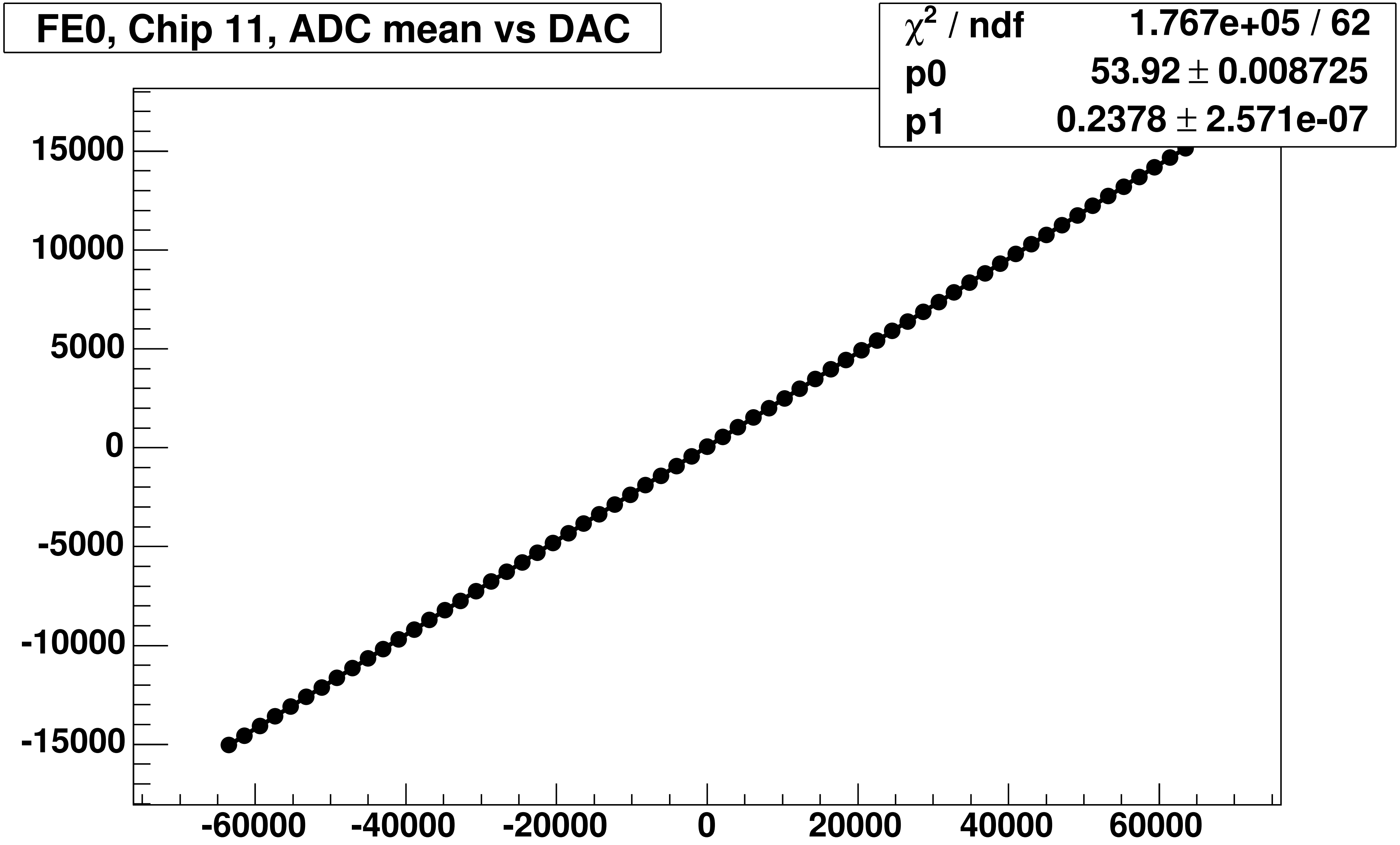


FE0, Chip 9, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 10, ADC mean vs DAC
χ2 / ndf 1.559e+05 / 62
p0 99.58 ± 0.008781
p1 0.2372 ± 2.566e-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
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 11, ADC mean vs DAC
χ^2 / ndf 1.767e+05 / 62
p0 53.92 ± 0.008725
p1 0.2378 ± 2.571e-07
15000
10000
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0
-5000
-10000
-15000
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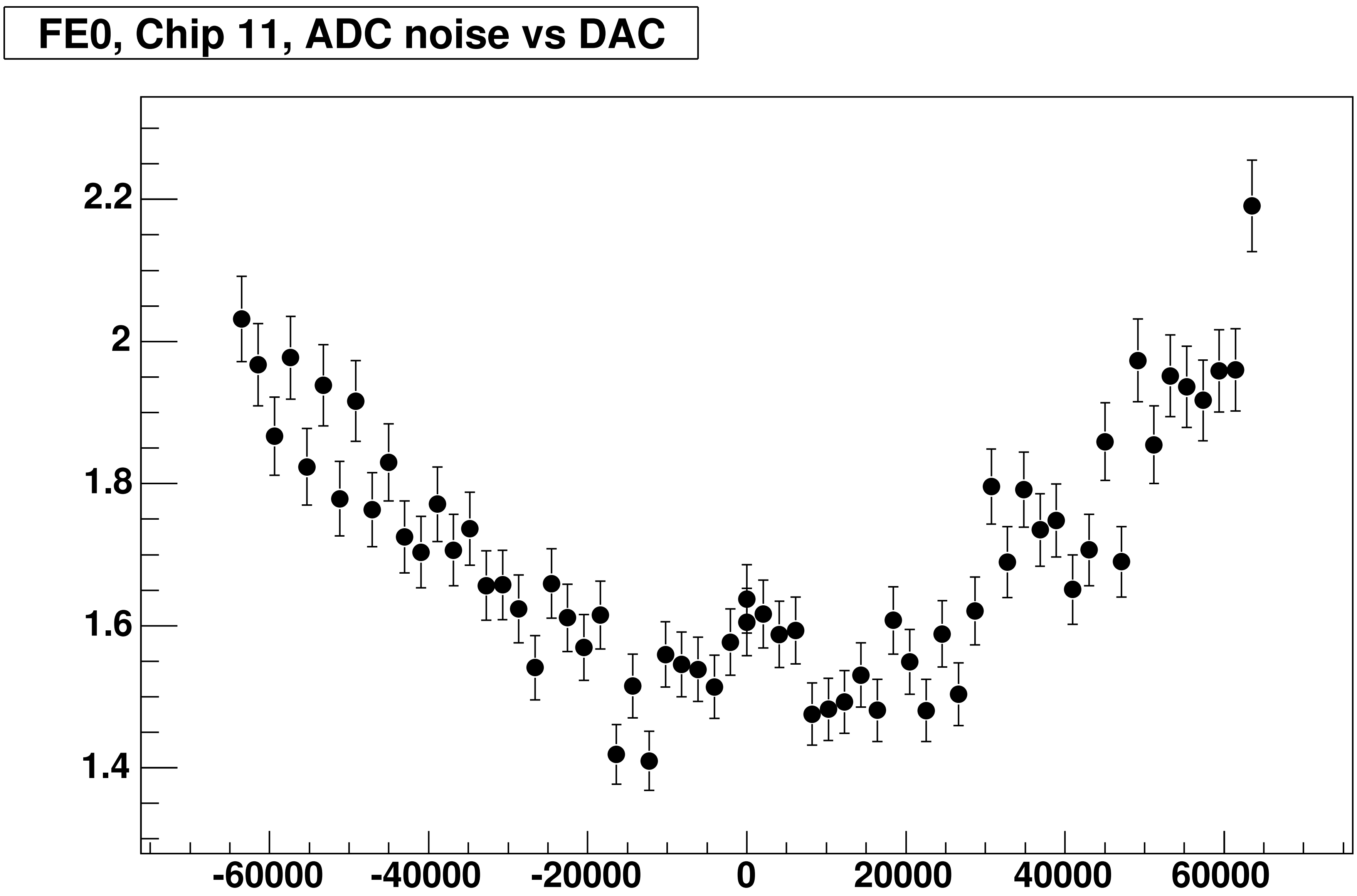
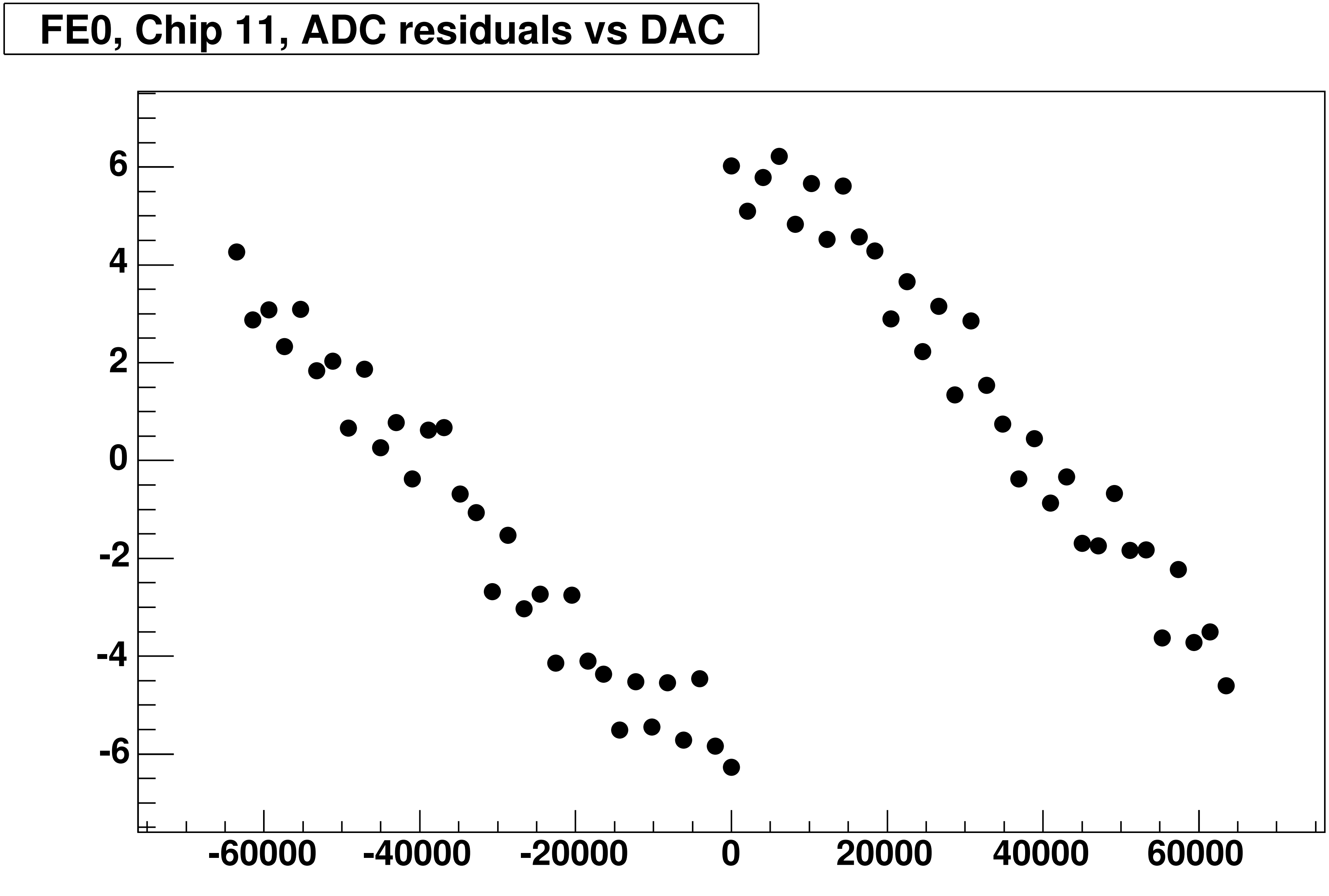
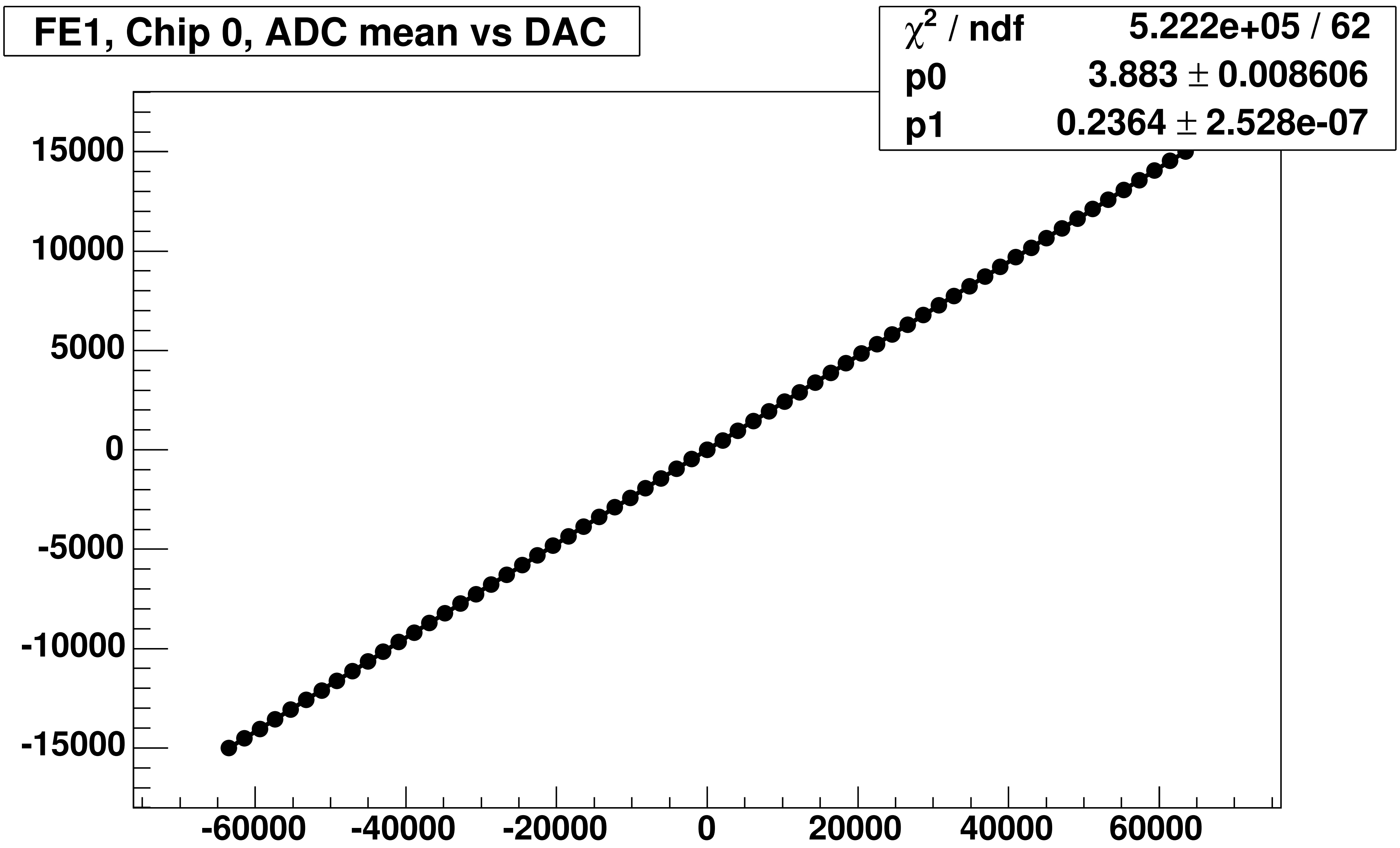
0
20000
40000
60000


FE0, Chip 11, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE0, Chip 11, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 0, ADC mean vs DAC
χ^2 / ndf 5.222e+05 / 62
p0 3.883 ± 0.008606
p1 0.2364 ± 2.528e-07
15000
10000
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0
-5000
-10000
-15000
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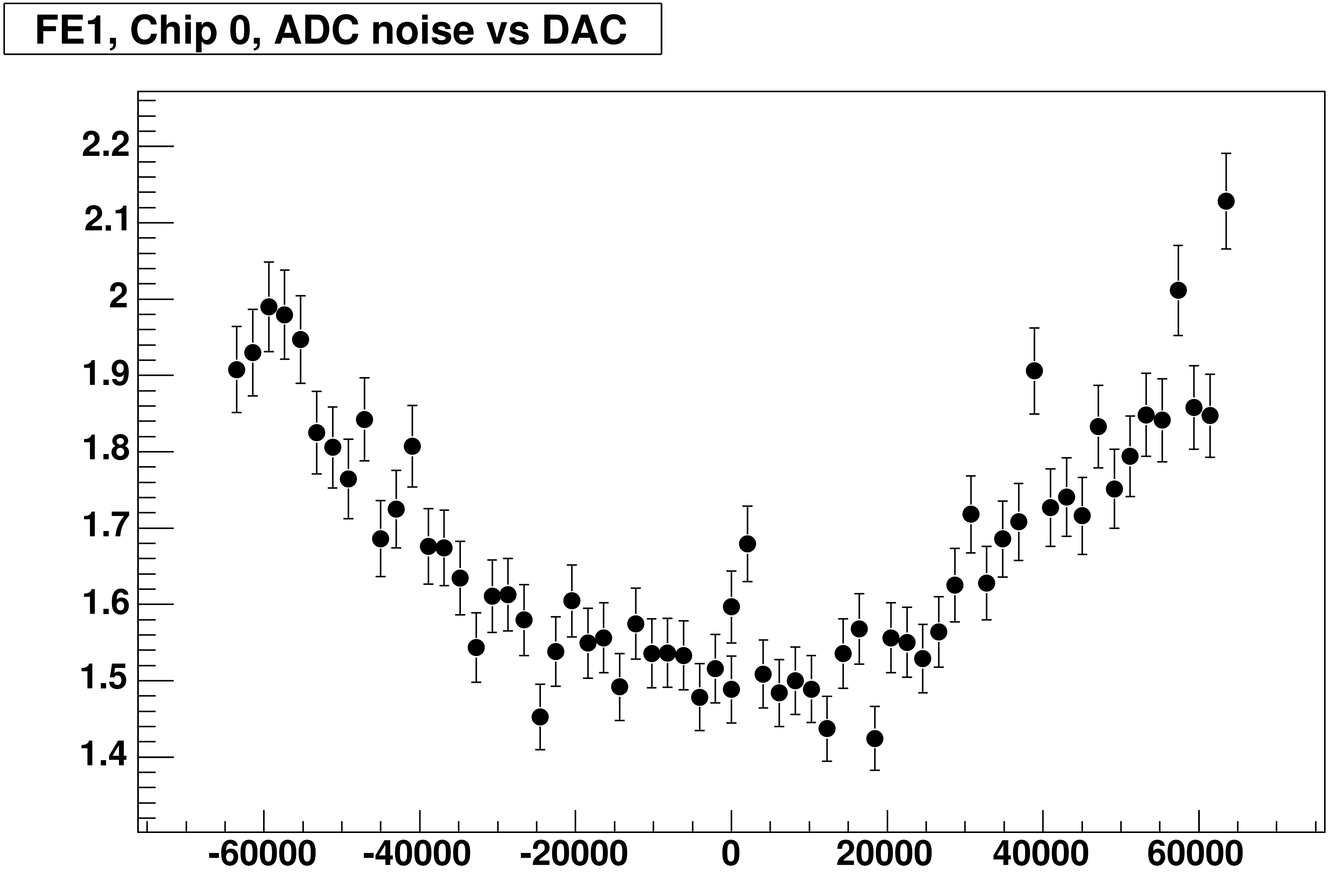
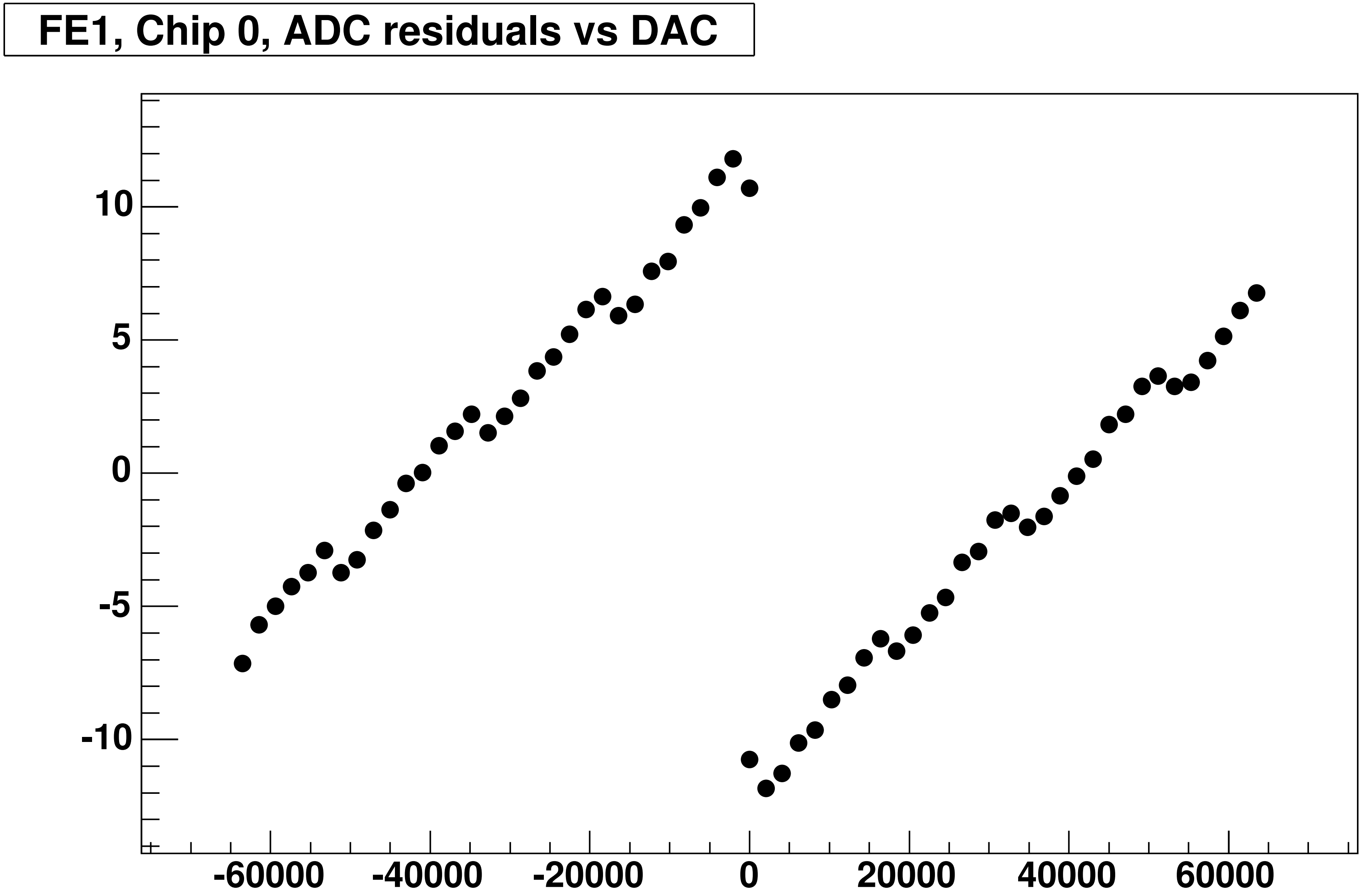
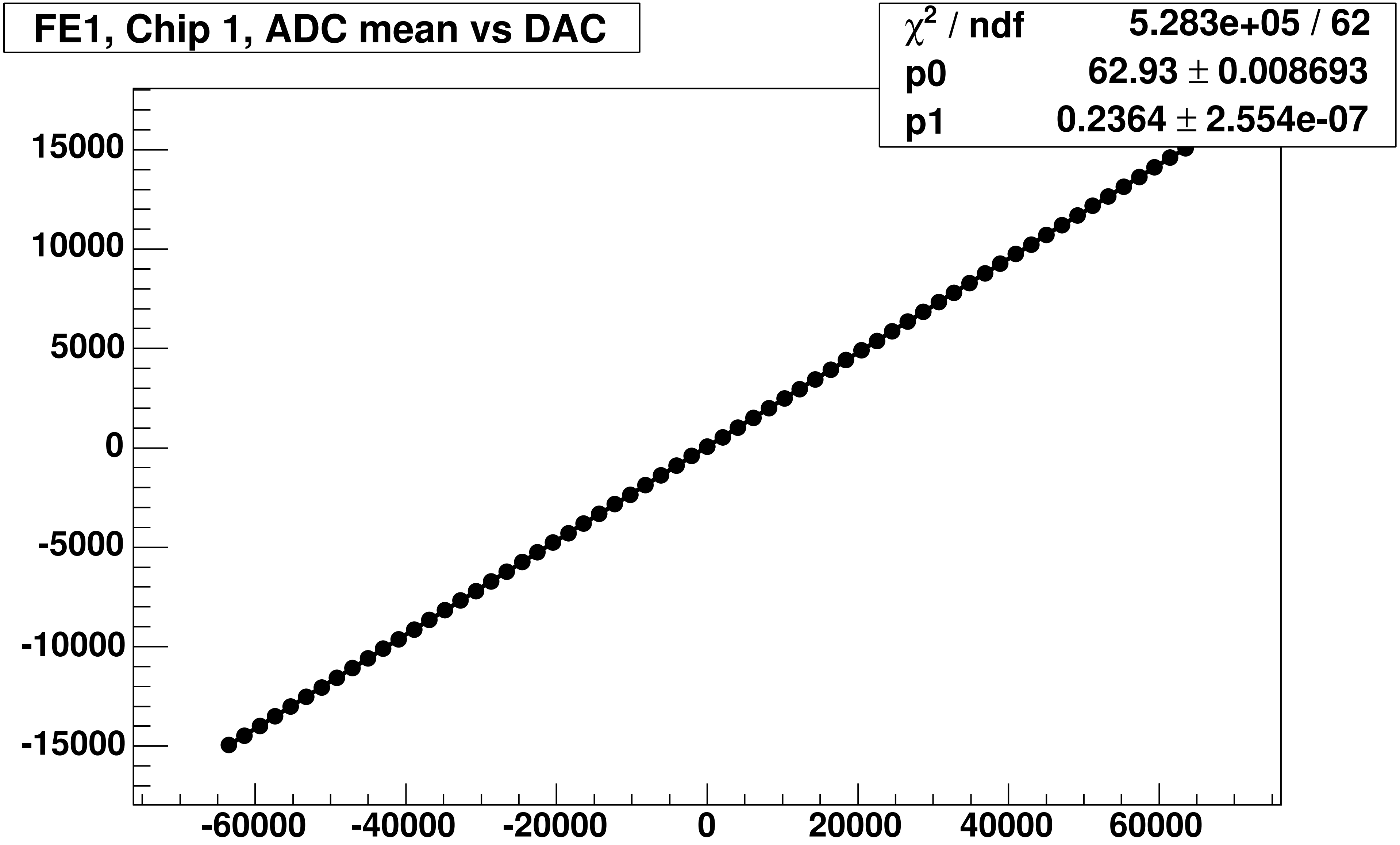
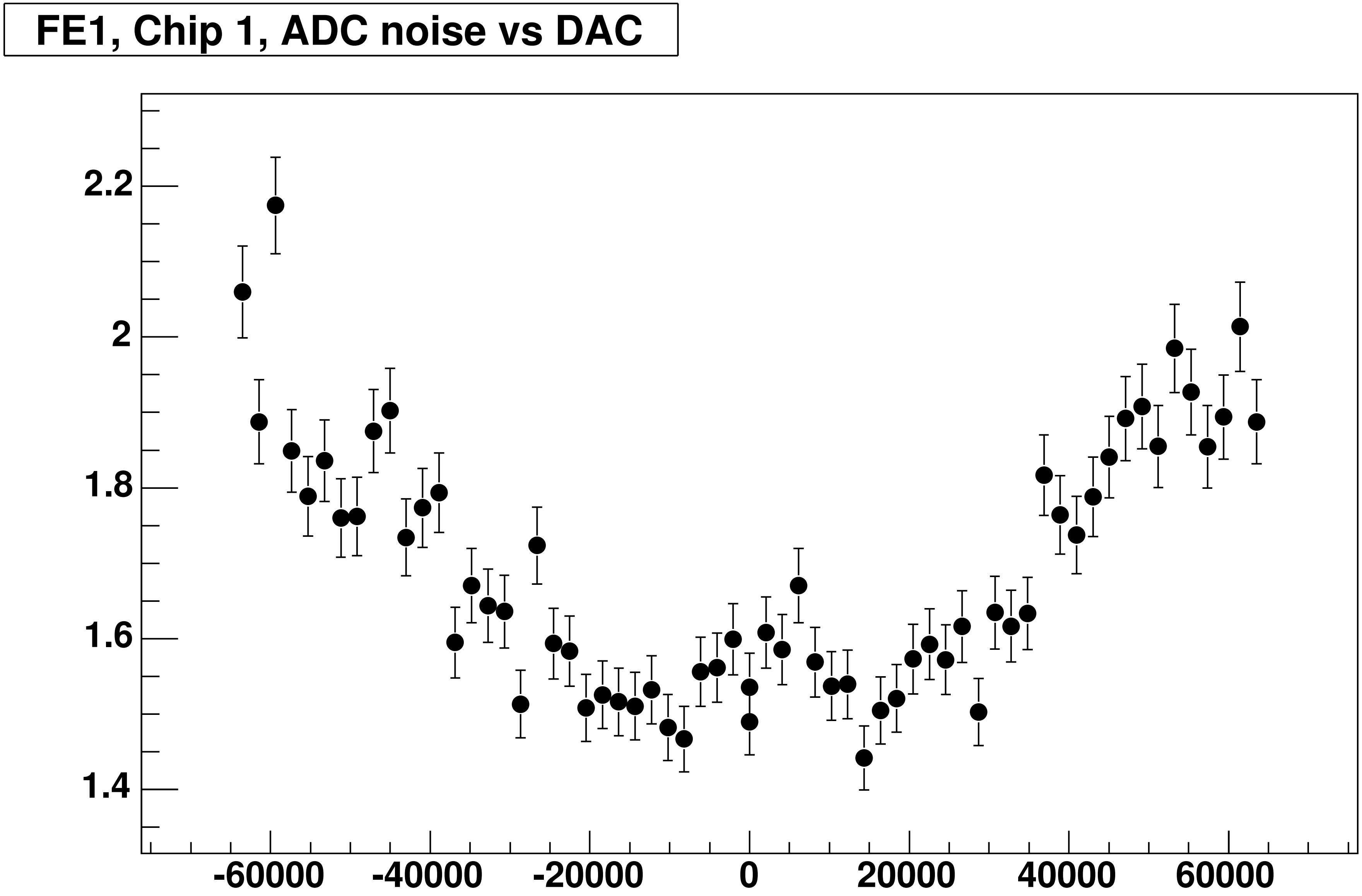
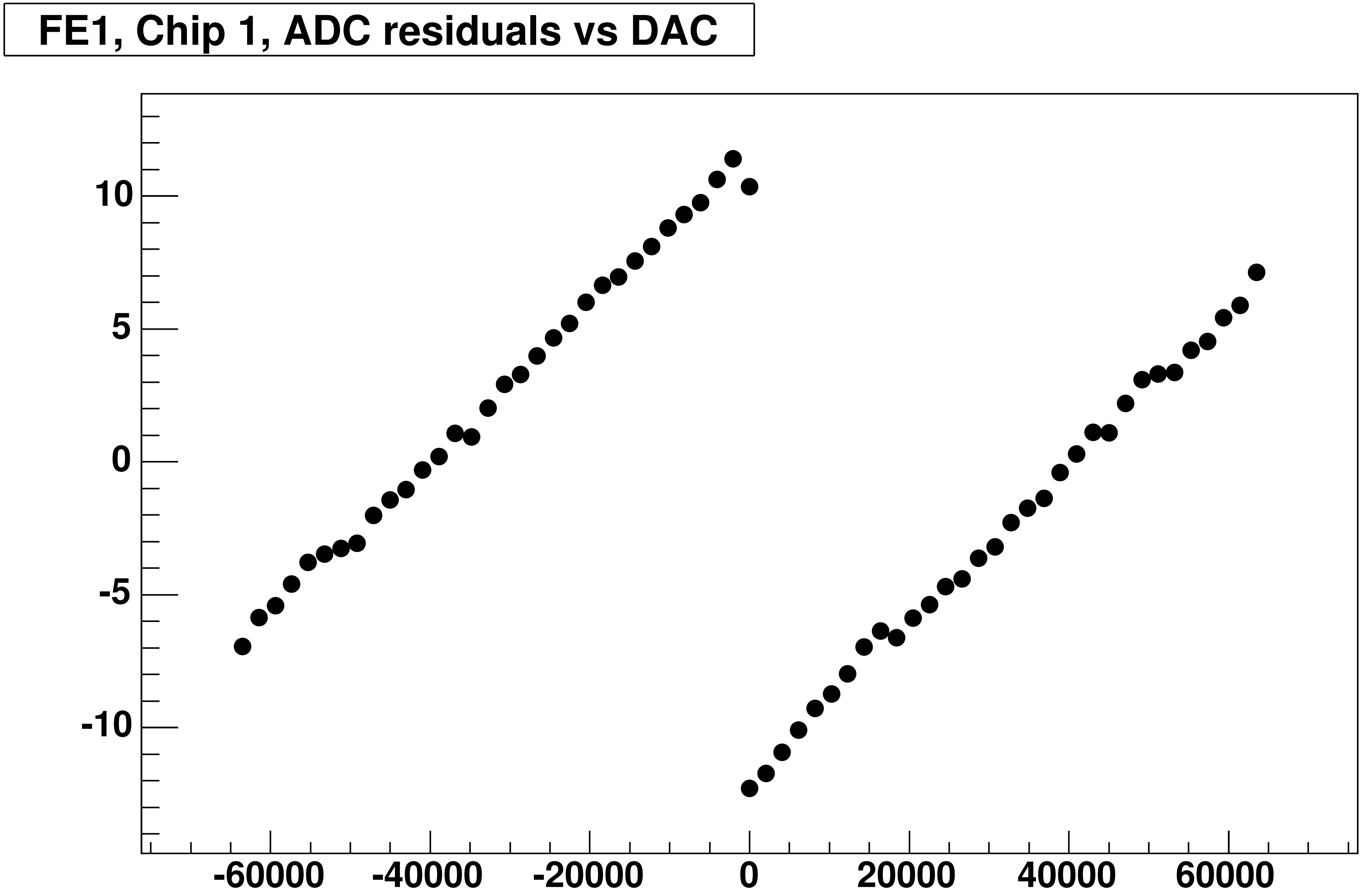
0
20000
40000
60000

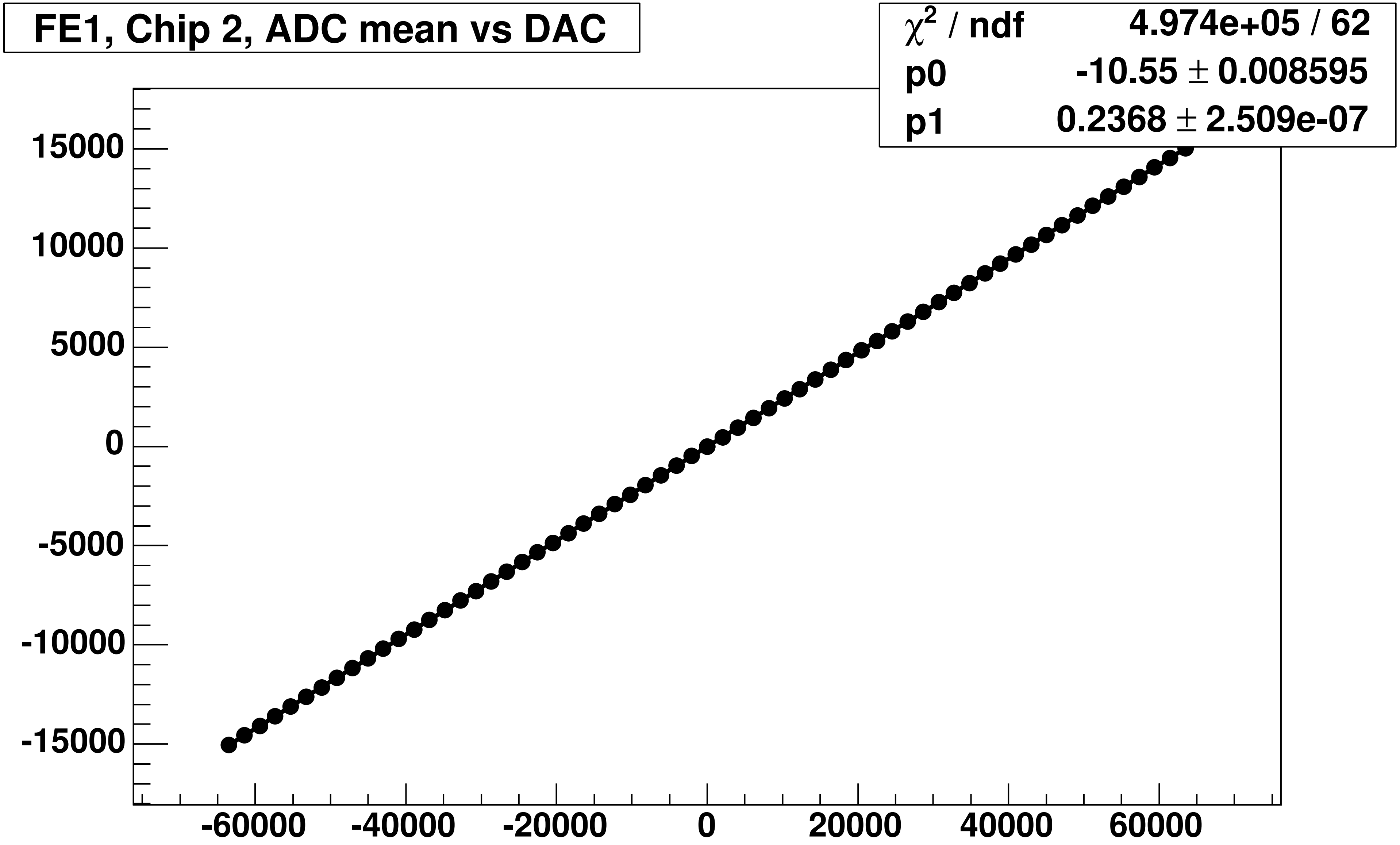

FE1, Chip 0, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

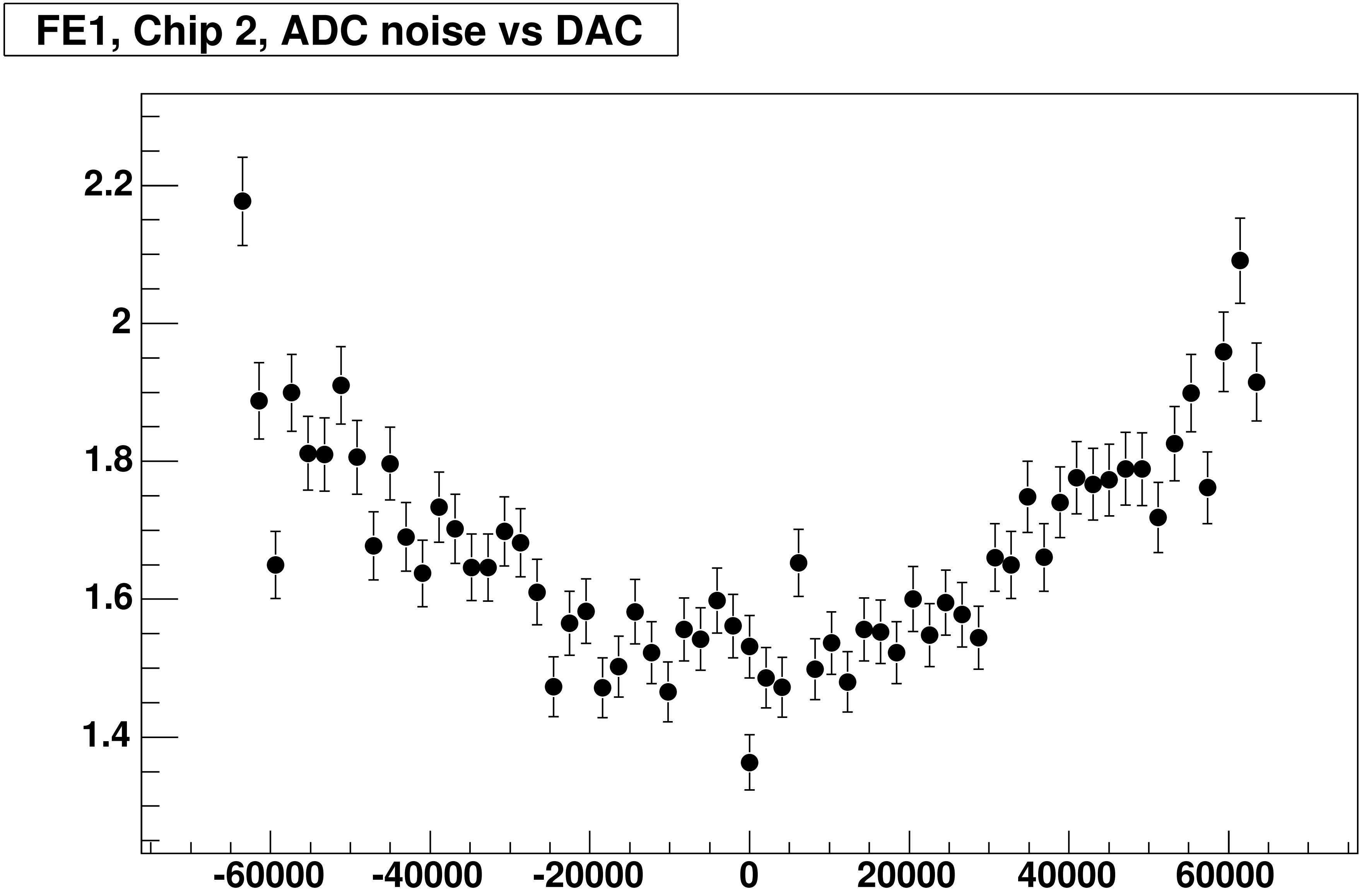

FE1, Chip 0, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 1, ADC mean vs DAC
χ^2 / ndf 5.283e+05 / 62
p0 62.93 ± 0.008693
p1 0.2364 ± 2.554e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 1, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 1, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 2, ADC mean vs DAC
χ^2 / ndf 4.974e+05 / 62
p0 -10.55 ± 0.008595
p1 0.2368 ± 2.509e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 2, ADC noise vs DAC
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2
1.8
1.6
1.4
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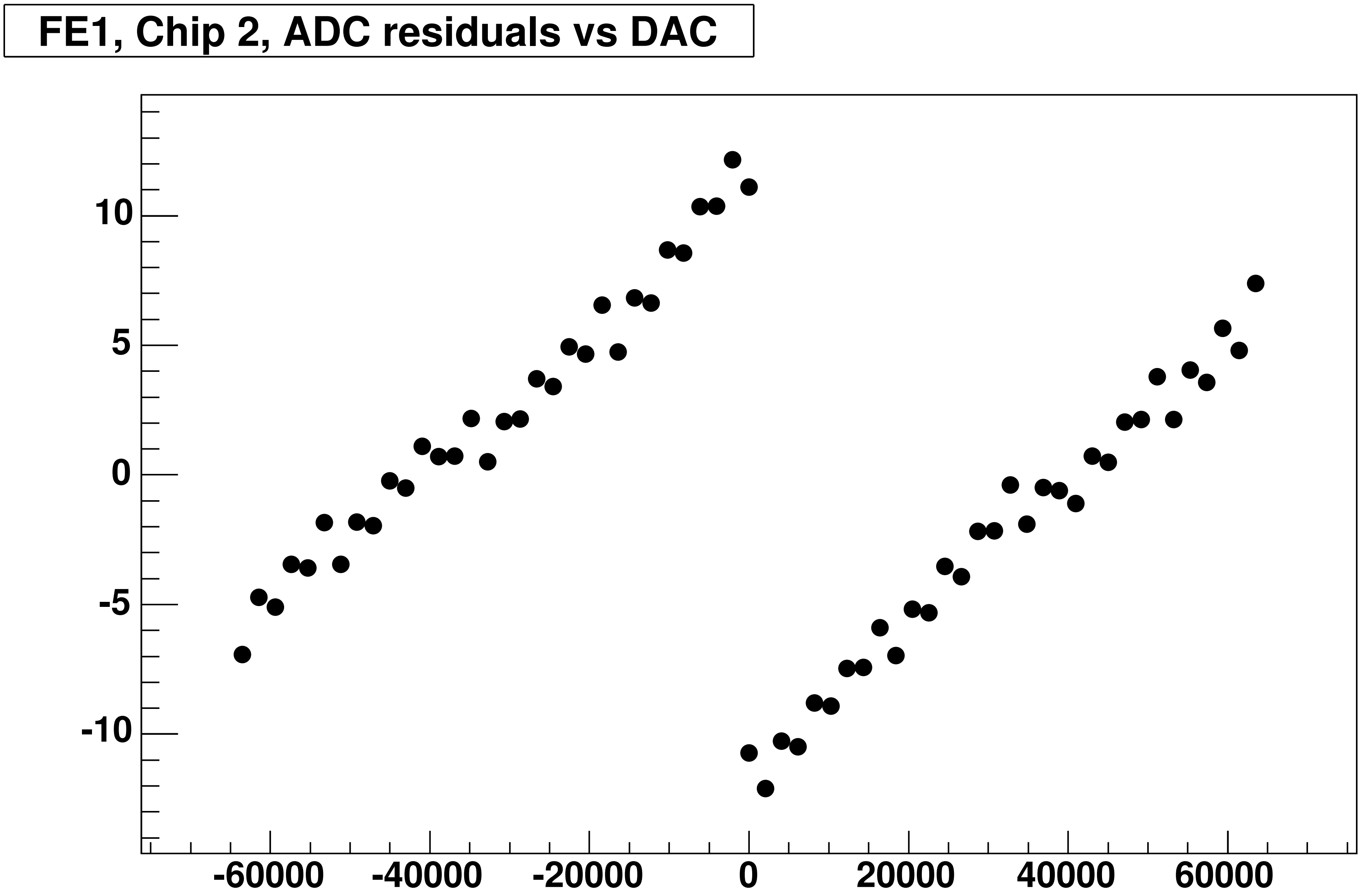
FE1, Chip 2, ADC residuals vs DAC
10
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-10
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-40000
-20000
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40000
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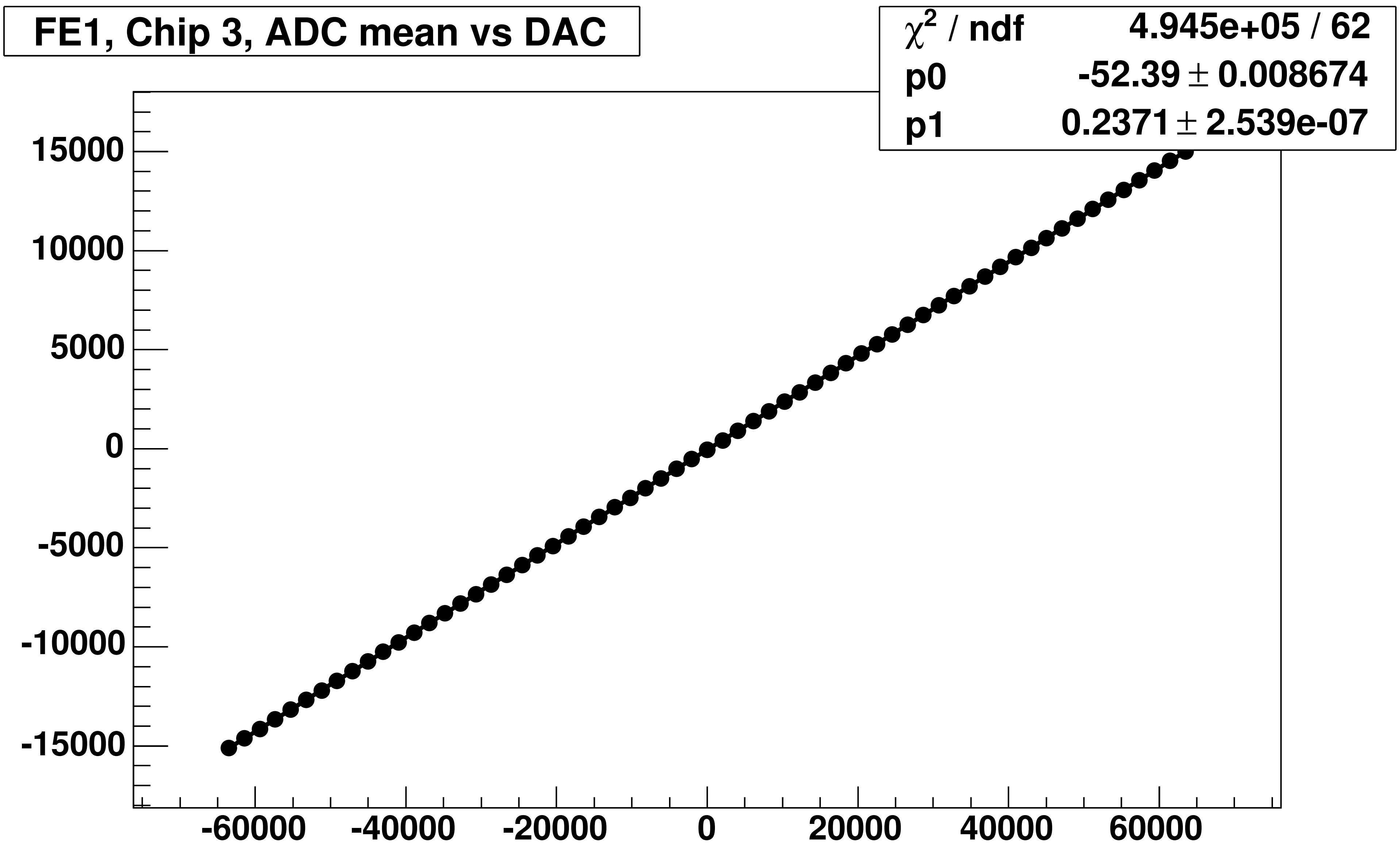
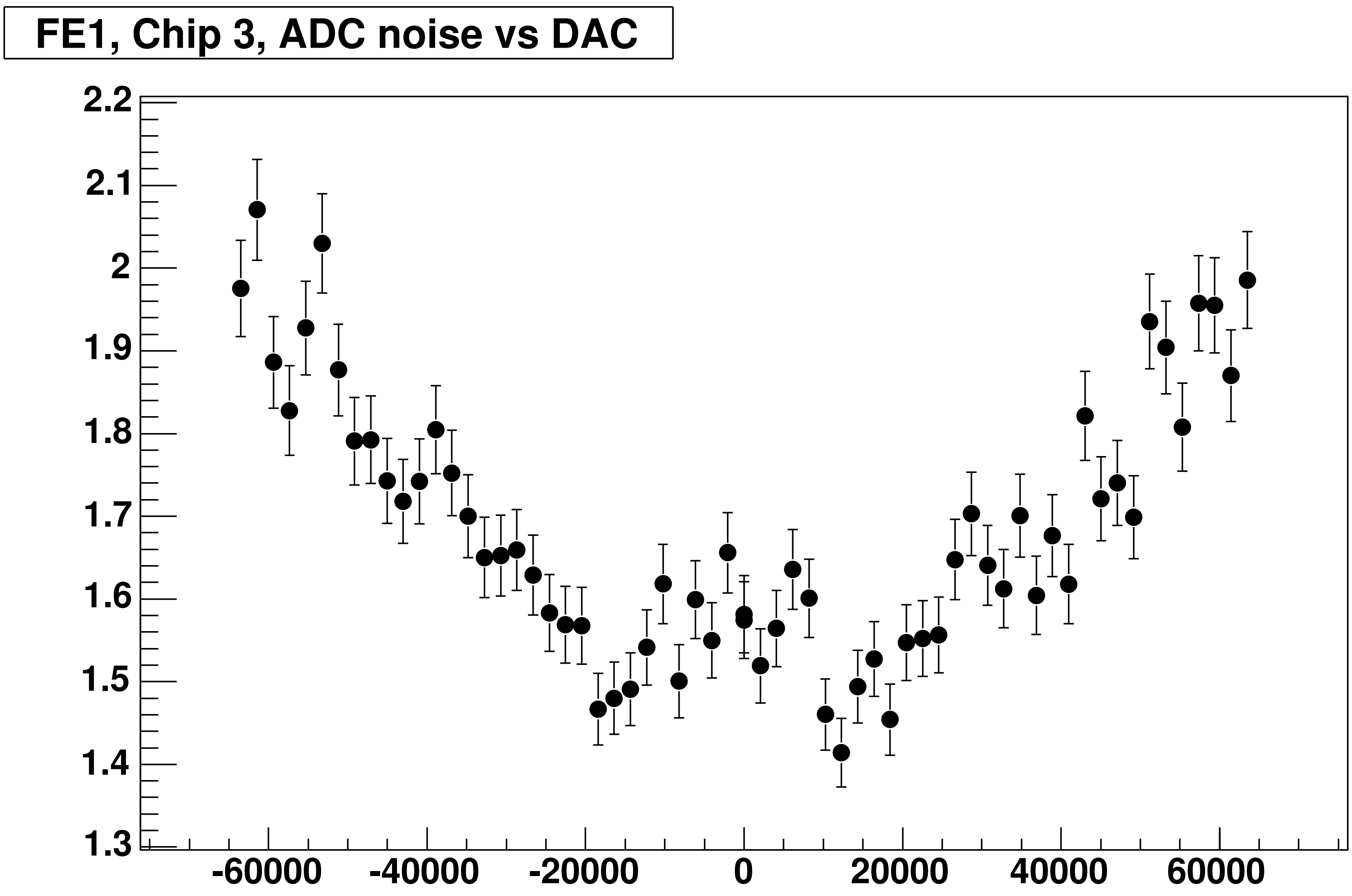

FE1, Chip 3, ADC mean vs DAC
χ^2 / ndf 4.945e+05 / 62
p0 -52.39 ± 0.008674
p1 0.2371 ± 2.539e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 3, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
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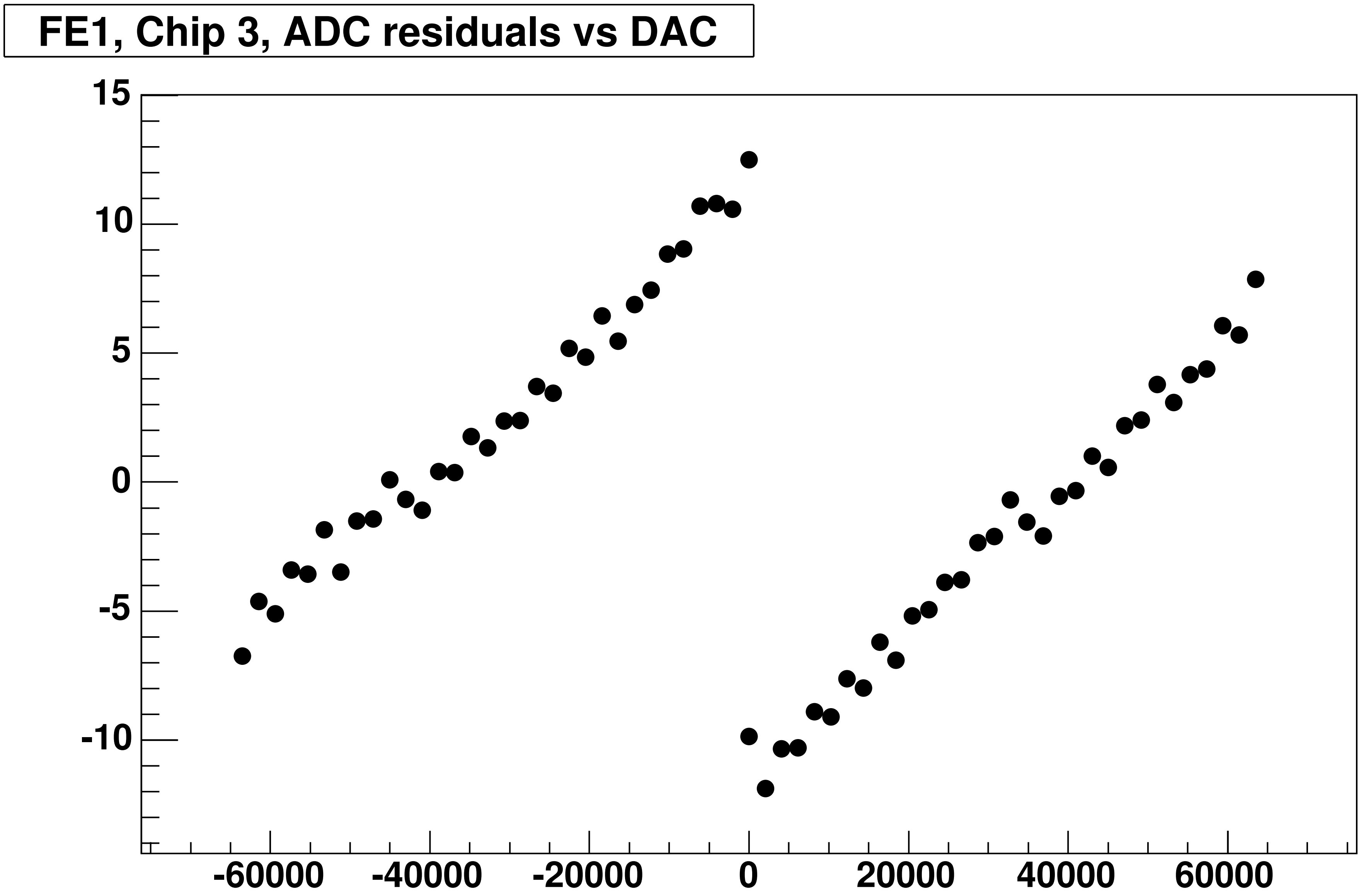
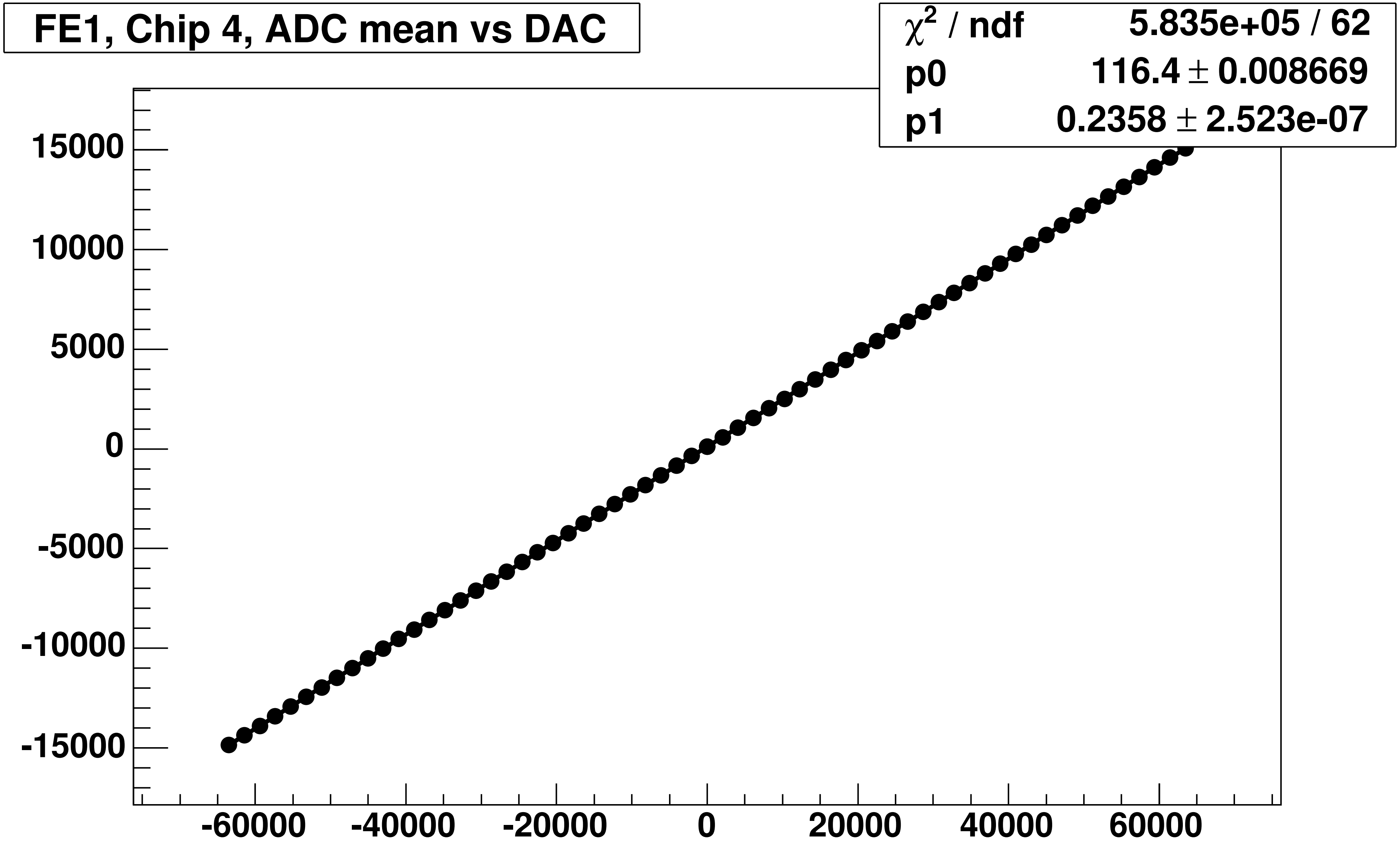
40000
60000


FE1, Chip 3, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 4, ADC mean vs DAC
χ2 / ndf 5.835e+05 / 62
p0 116.4 ± 0.008669
p1 0.2358 ± 2.523e-07
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10000
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0
-5000
-10000
-15000
-60000
-40000
-20000
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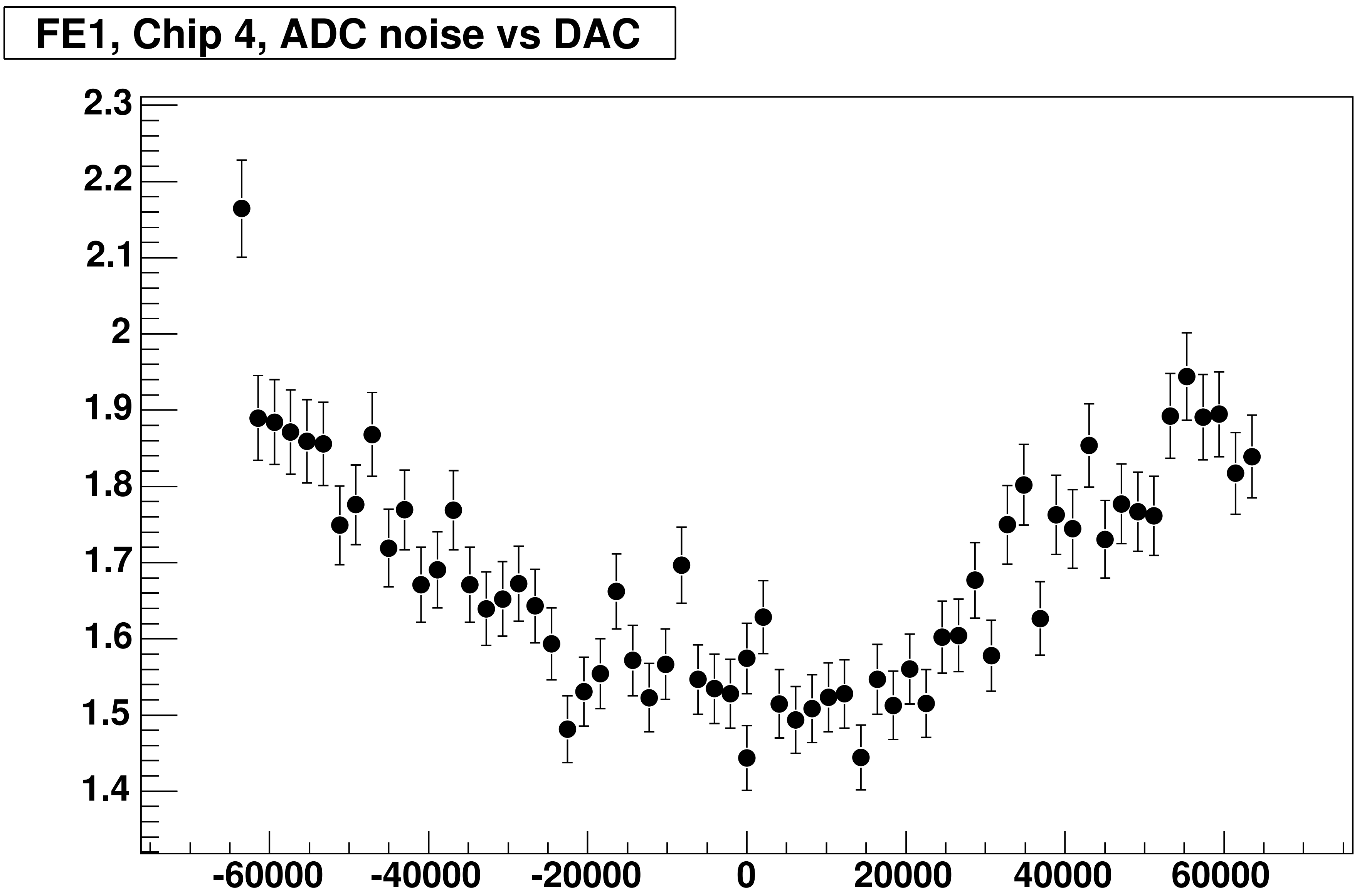
20000
40000
60000


FE1, Chip 4, ADC noise vs DAC
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
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40000
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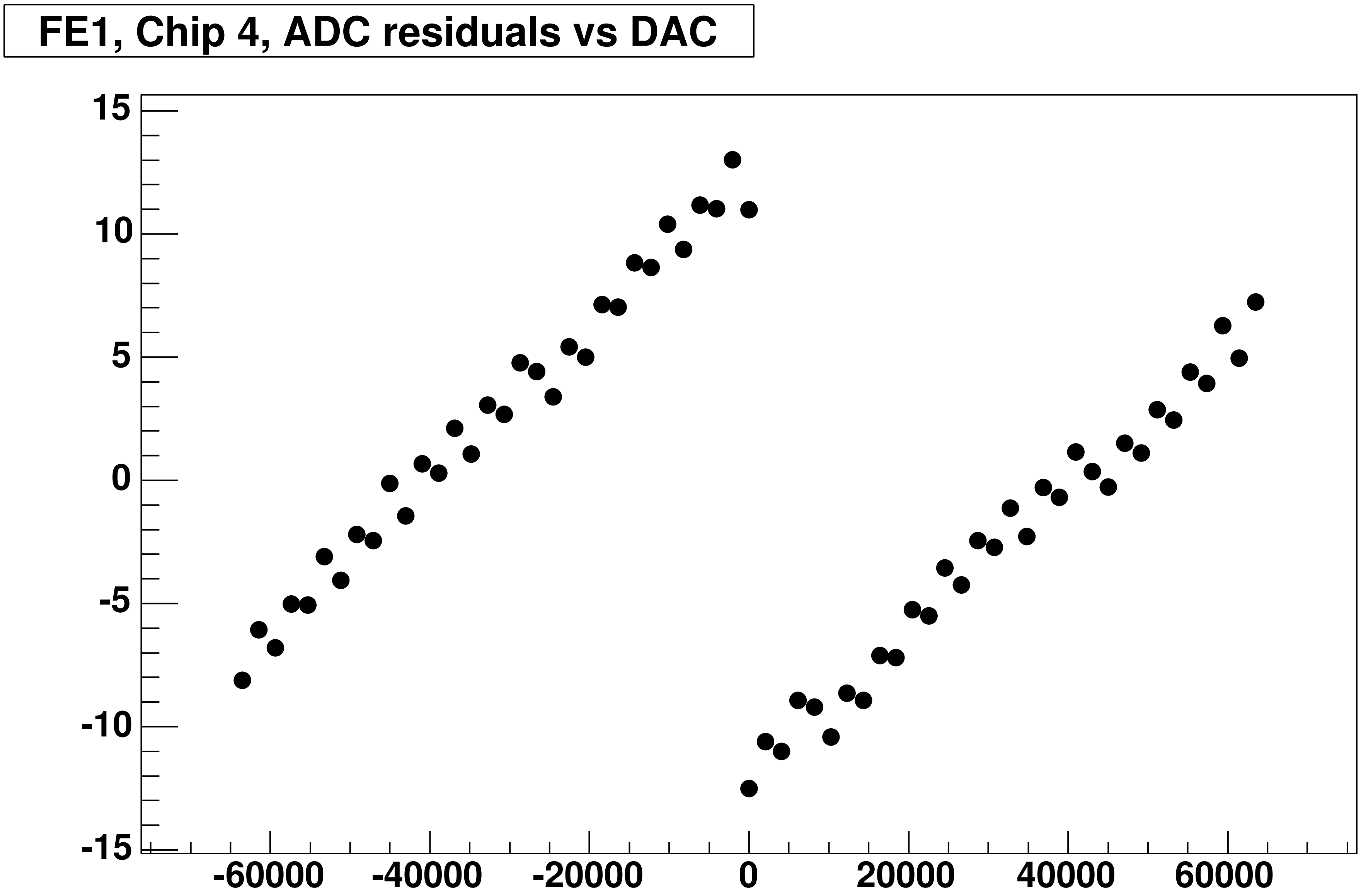
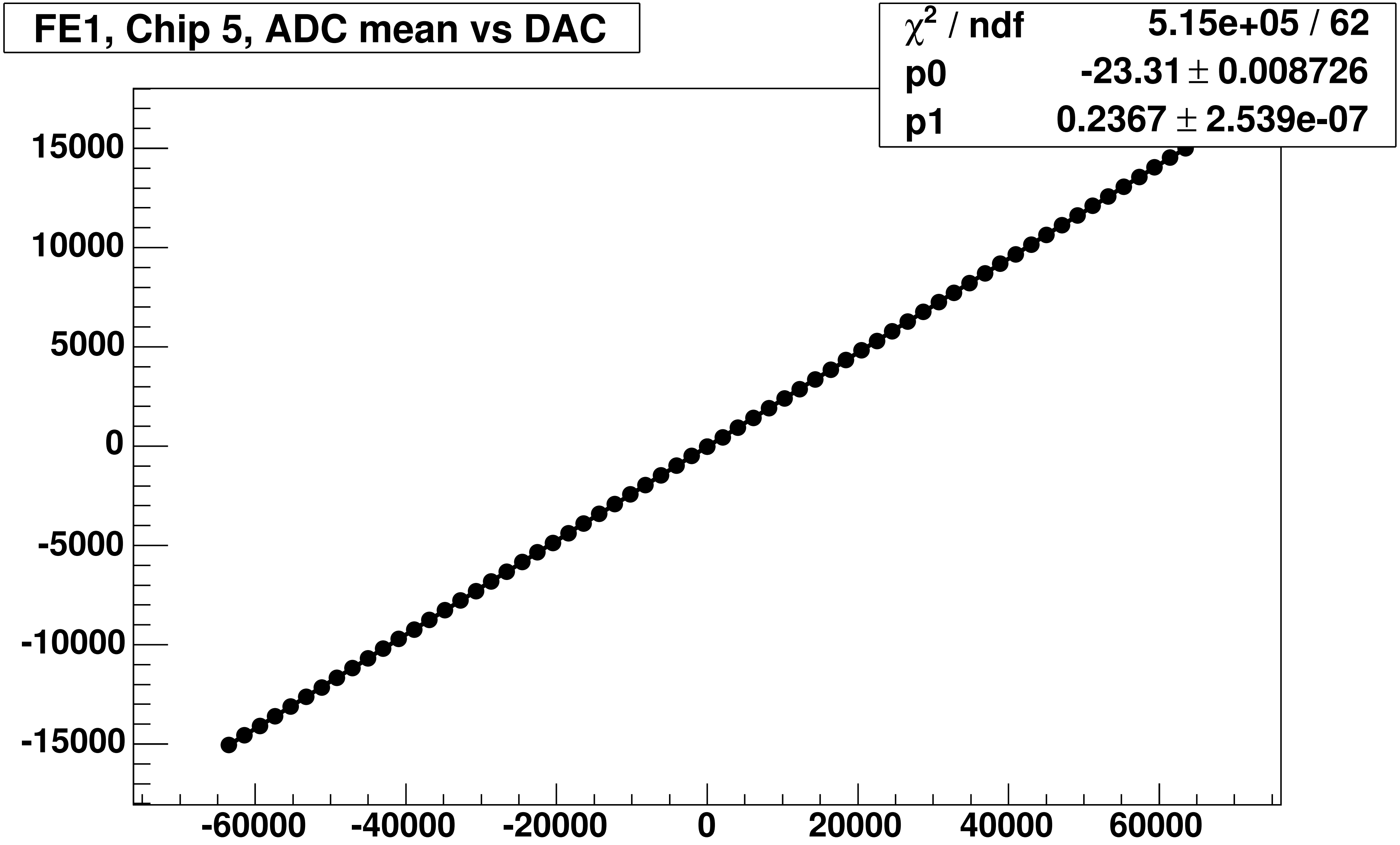

FE1, Chip 4, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



FE1, Chip 5, ADC mean vs DAC
χ² / ndf 5.15e+05 / 62
p0 -23.31 ± 0.008726
p1 0.2367 ± 2.539e-07
15000
10000
5000
0
-5000
-10000
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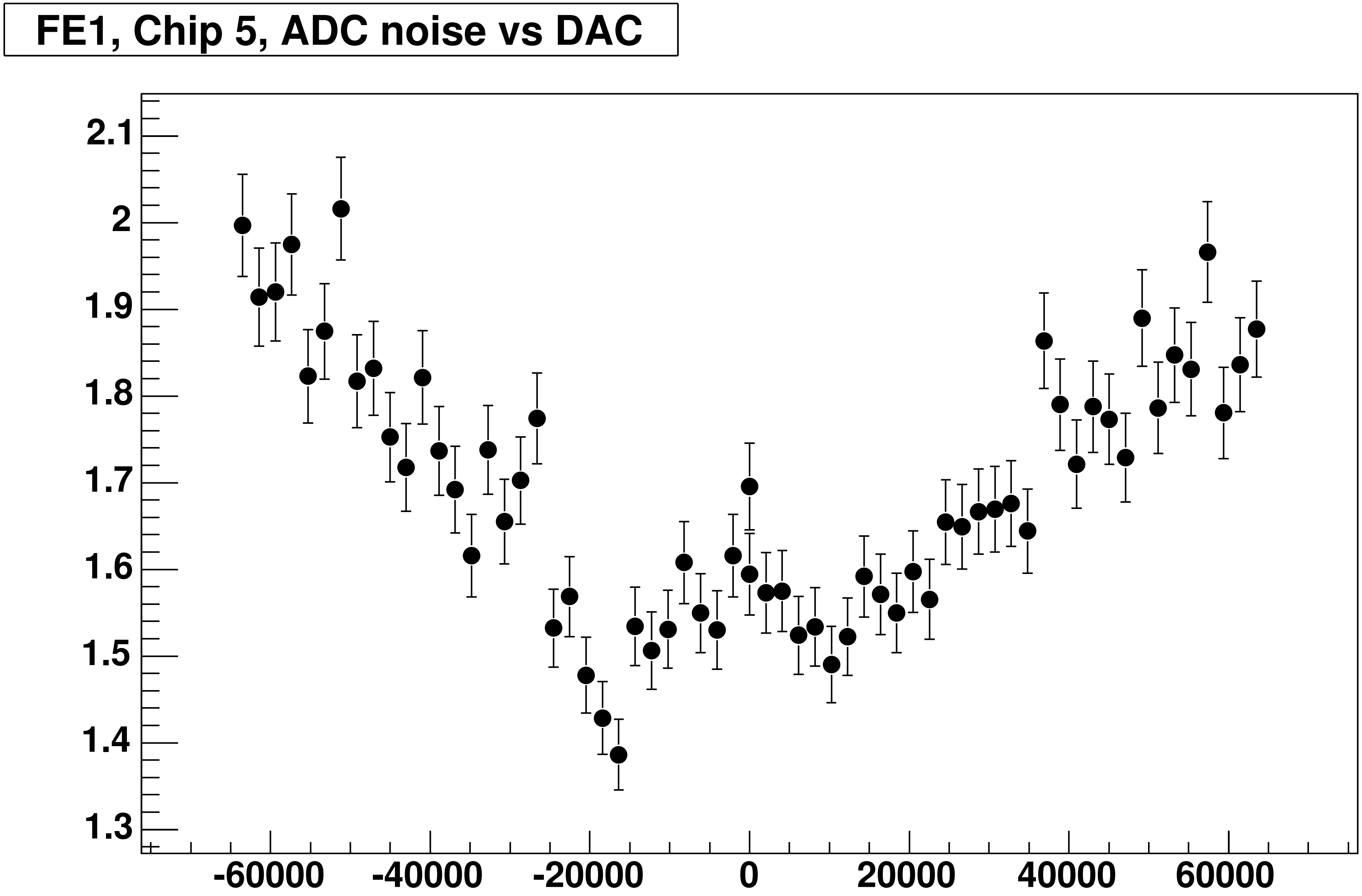
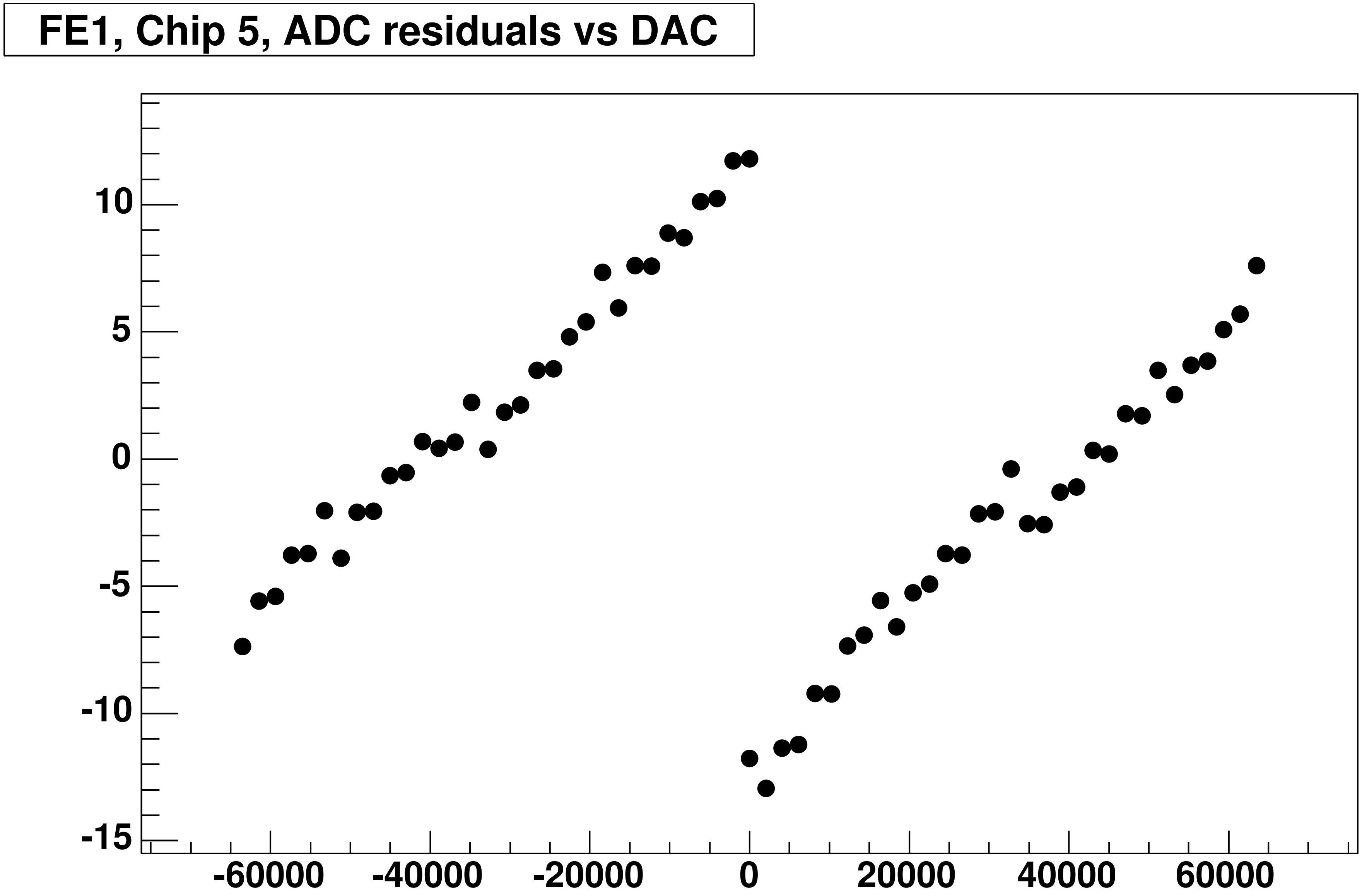
-60000
-40000
-20000
0
20000
40000
60000


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
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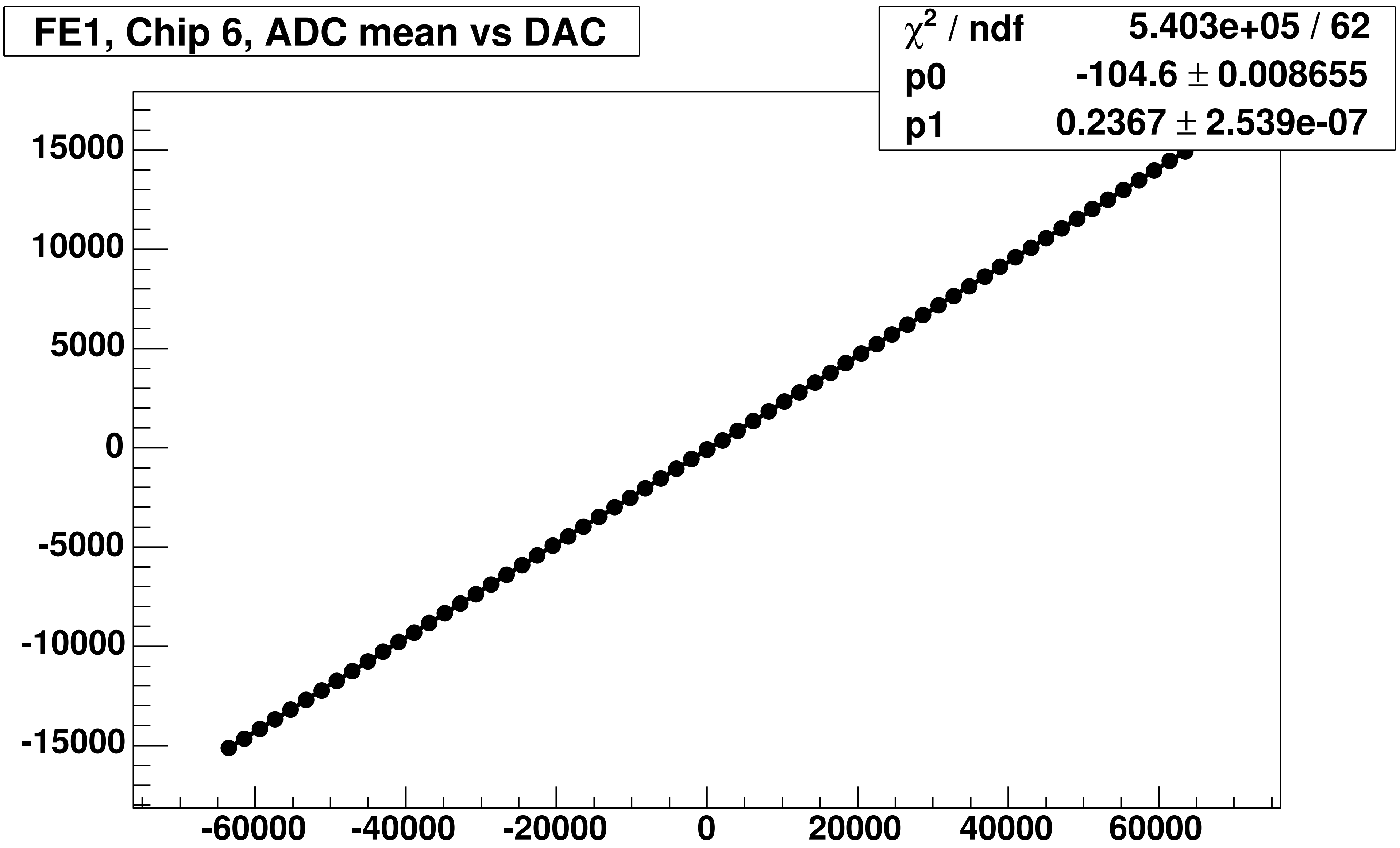
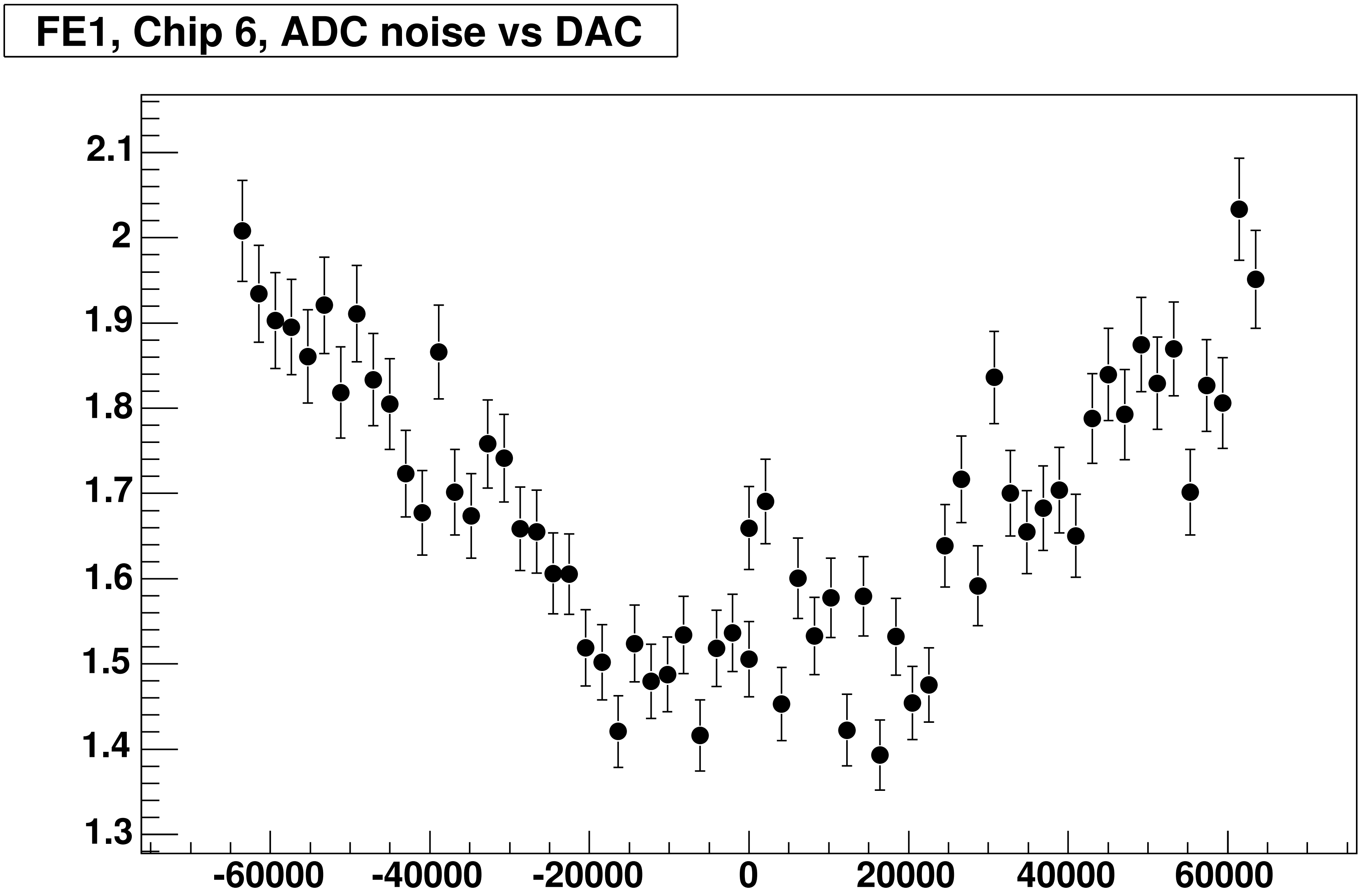
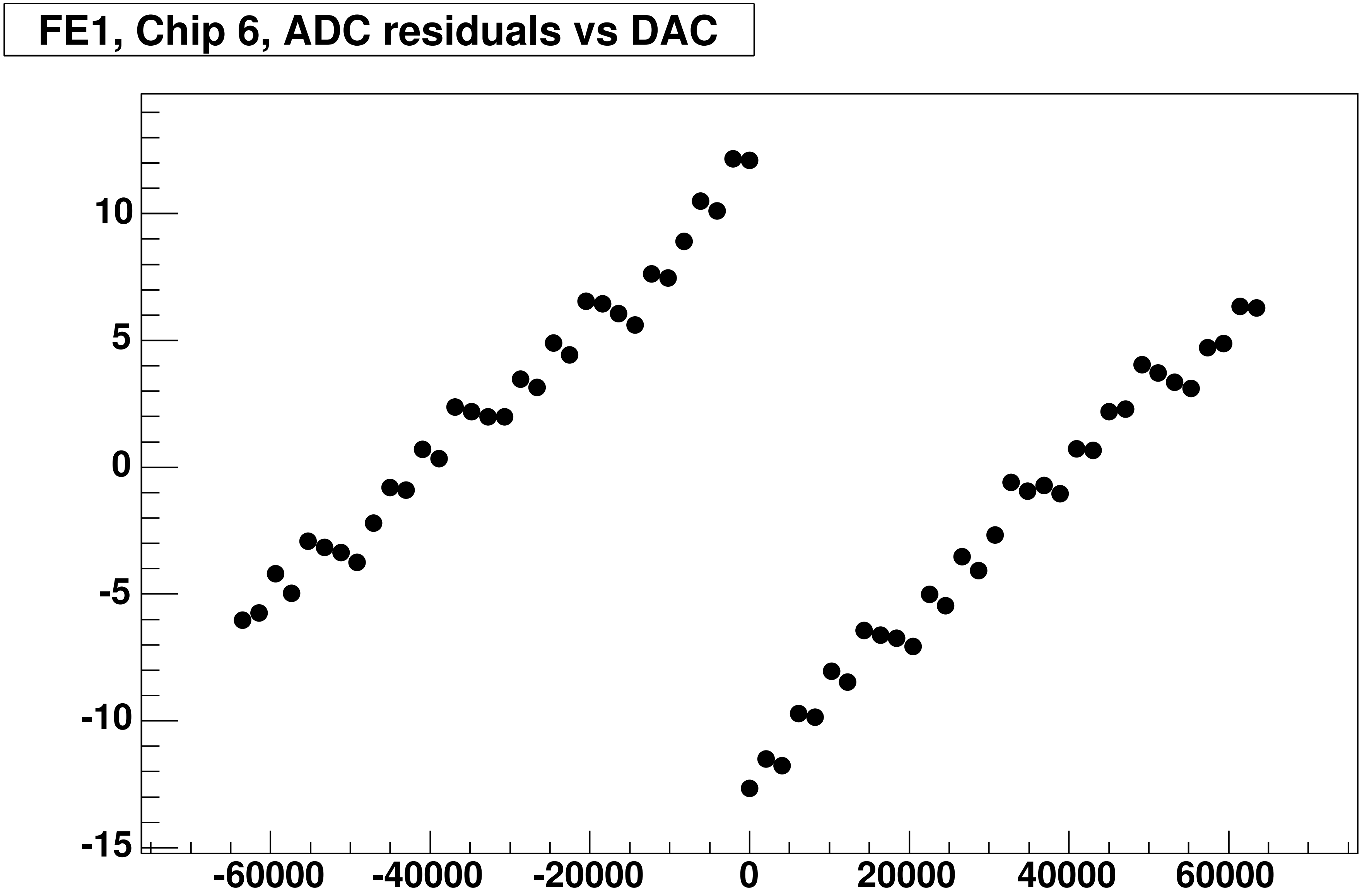
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 6, ADC mean vs DAC
χ^2 / ndf 5.403e+05 / 62
p0 -104.6 ± 0.008655
p1 0.2367 ± 2.539e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 6, 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 6, ADC residuals vs DAC
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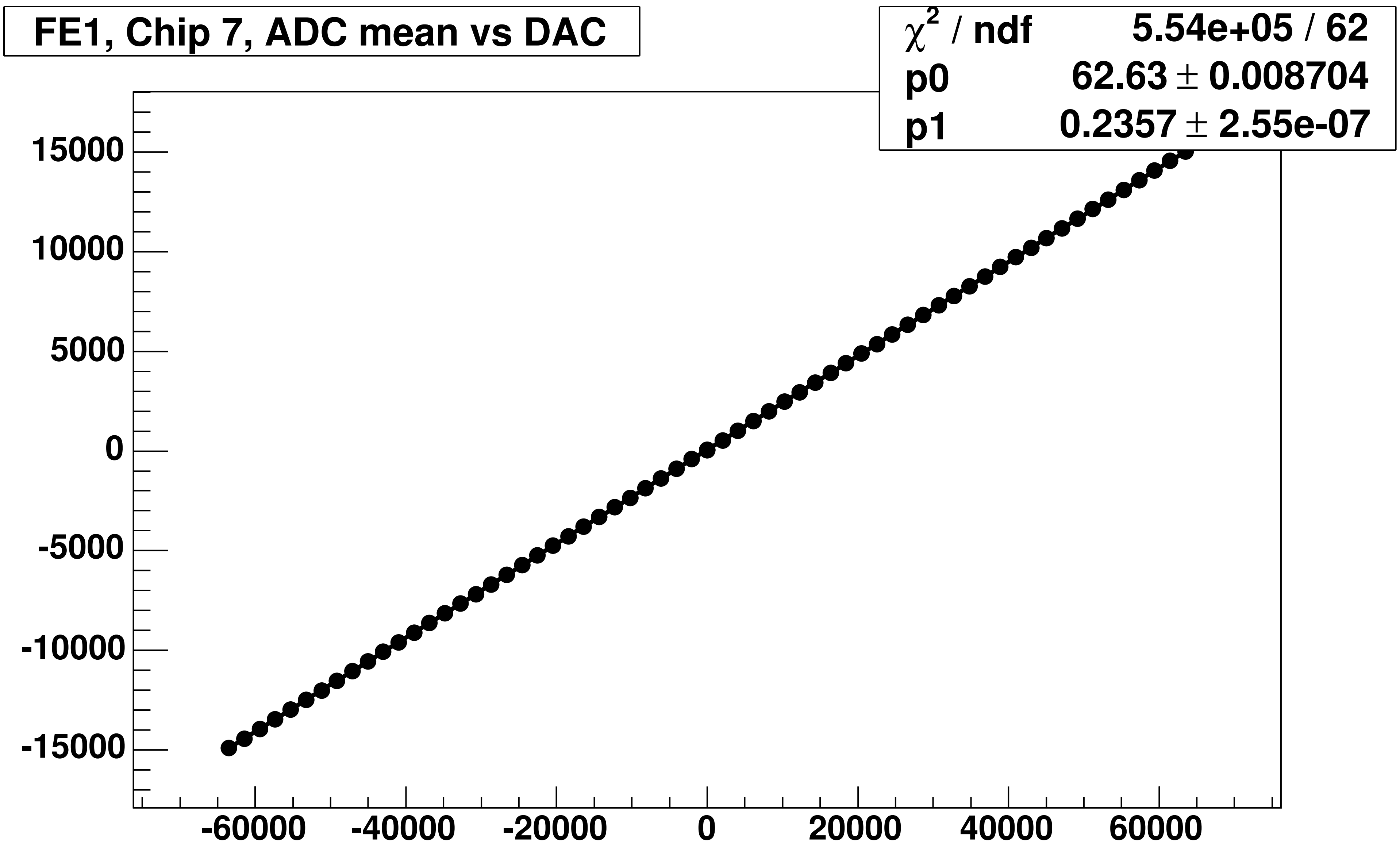
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



FE1, Chip 7, ADC mean vs DAC
χ^2 / ndf 5.54e+05 / 62
p0 62.63 ± 0.008704
p1 0.2357 ± 2.55e-07
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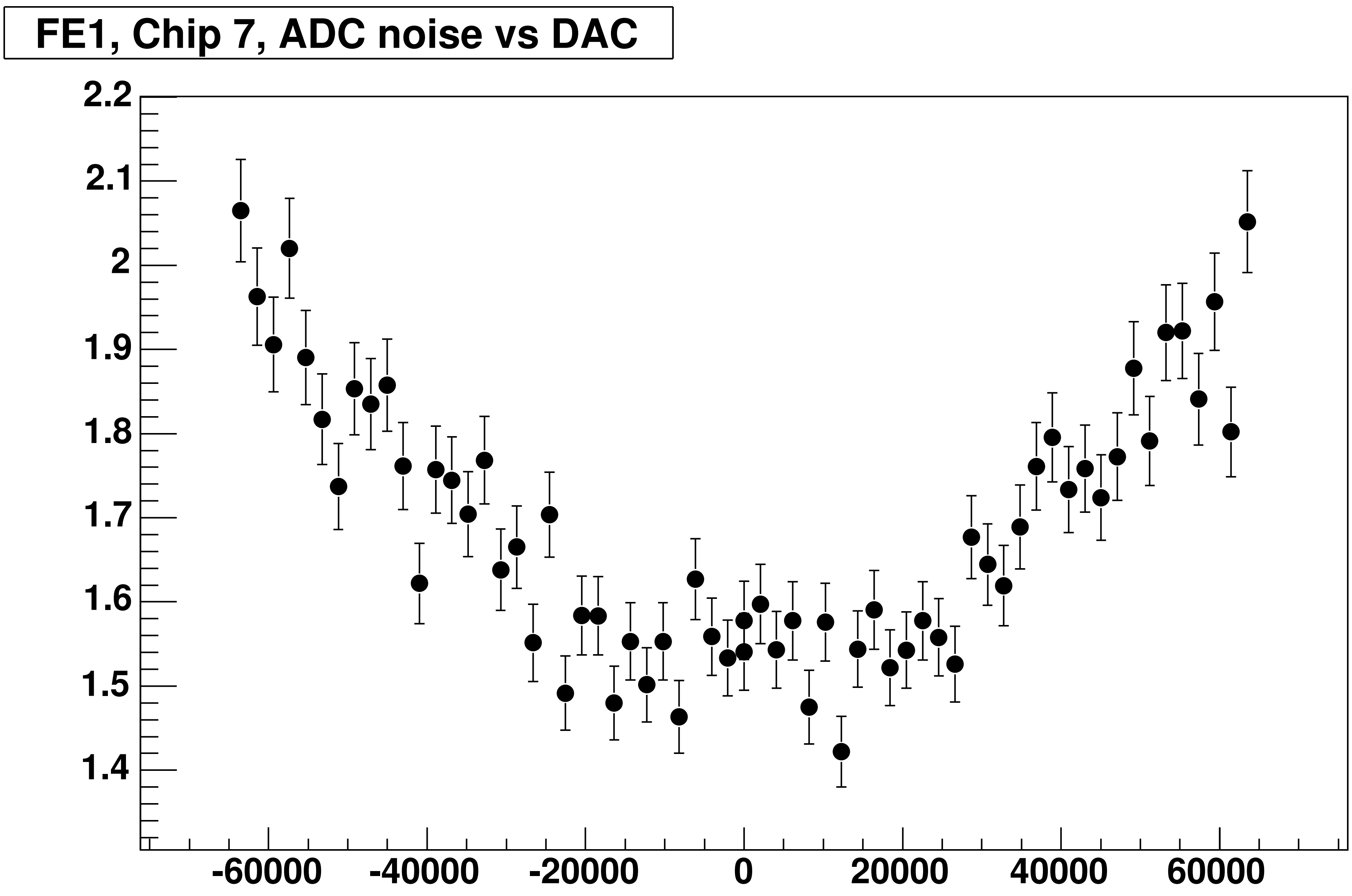
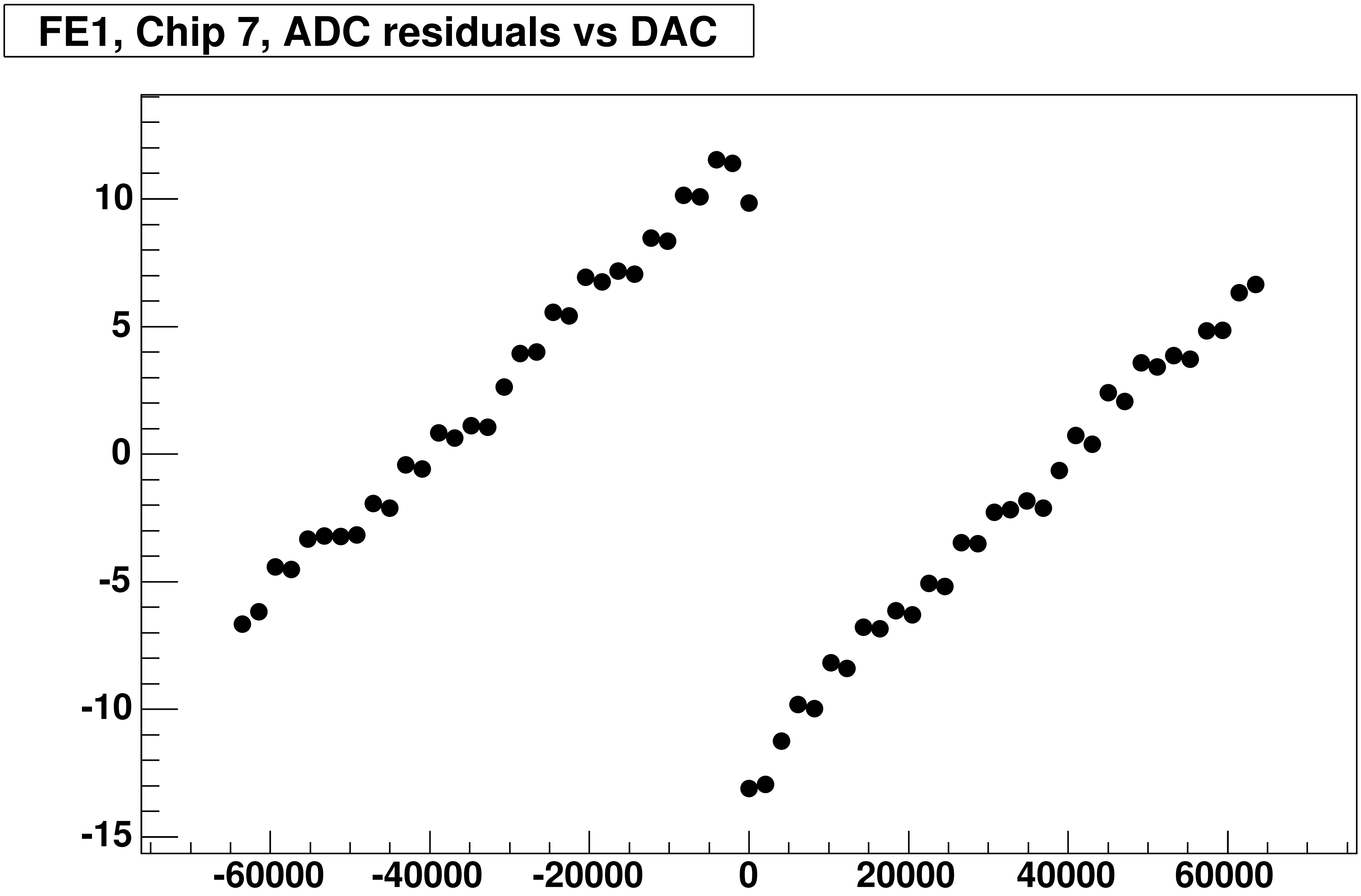
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


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


FE1, Chip 7, ADC residuals vs DAC
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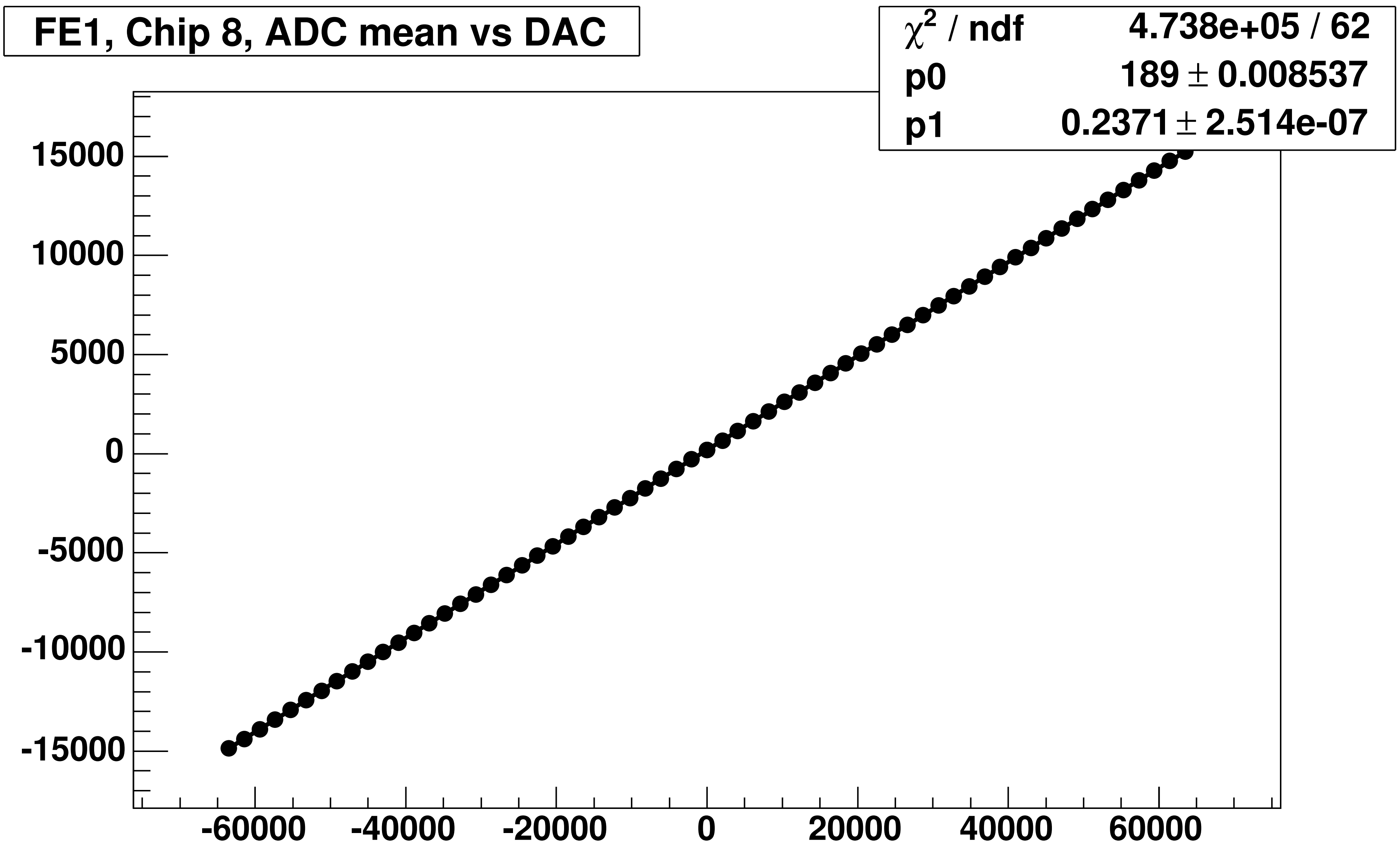
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



FE1, Chip 8, ADC mean vs DAC
χ^2 / ndf 4.738e+05 / 62
p0 189 ± 0.008537
p1 0.2371 ± 2.514e-07
15000
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-5000
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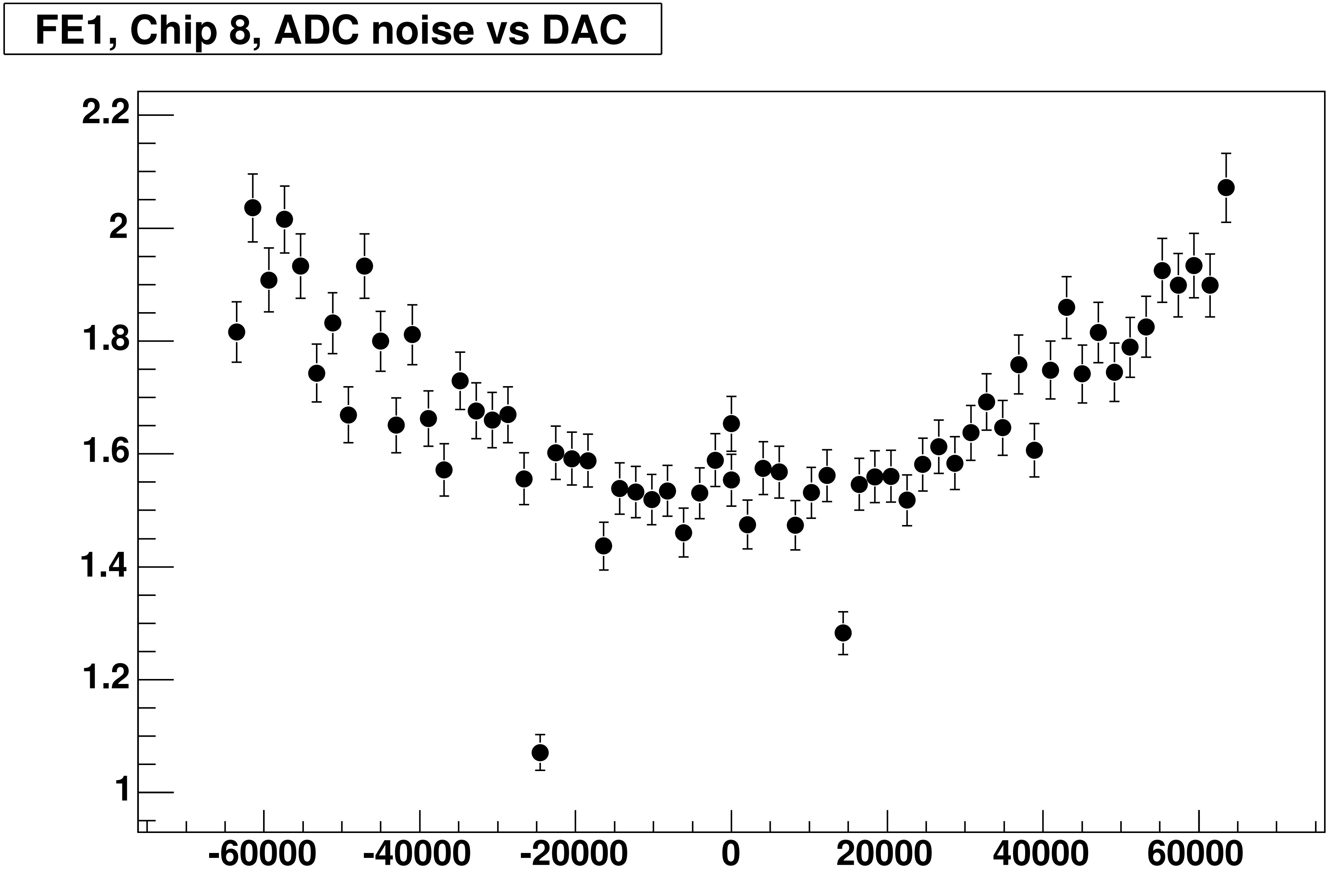
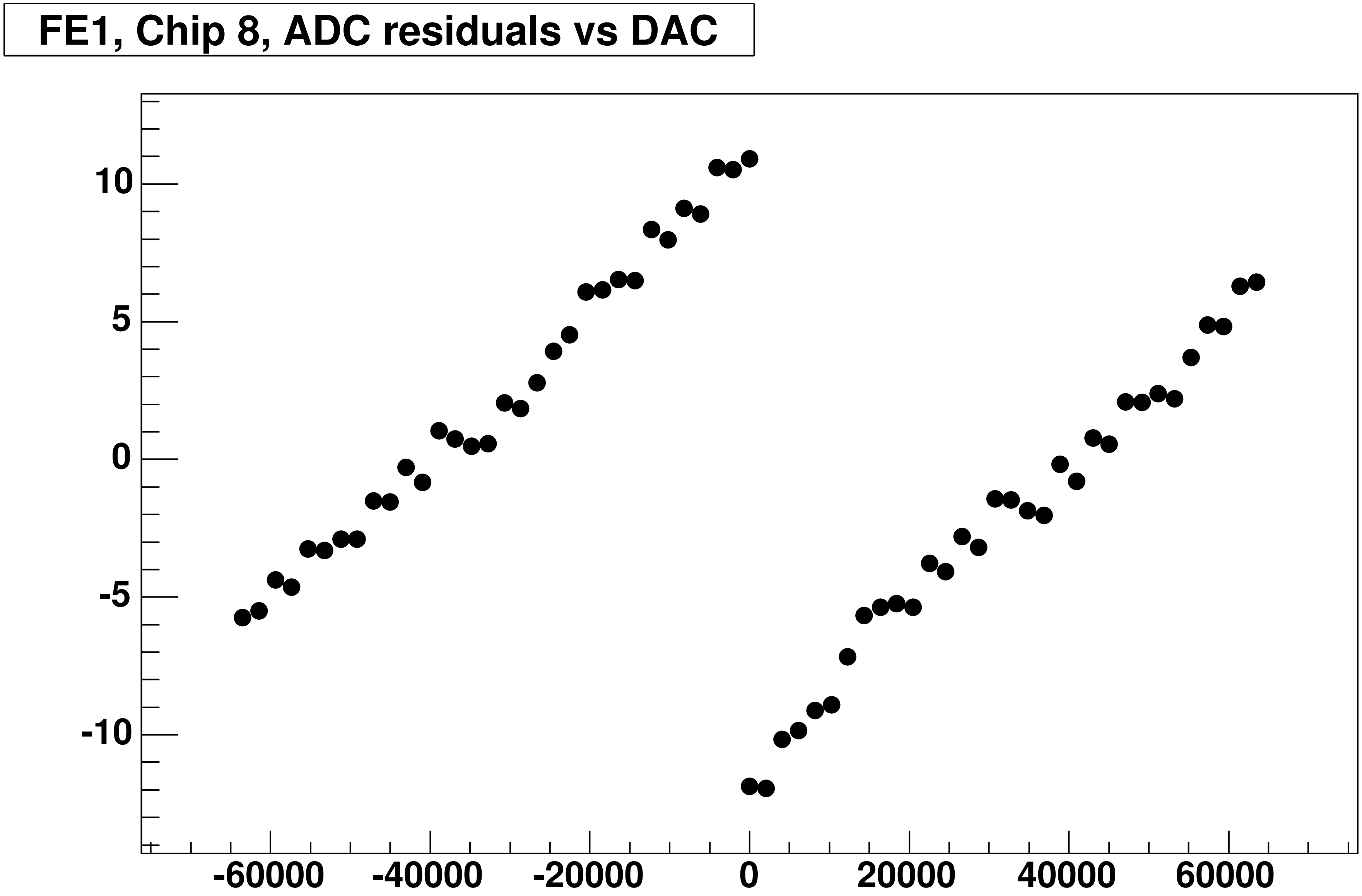
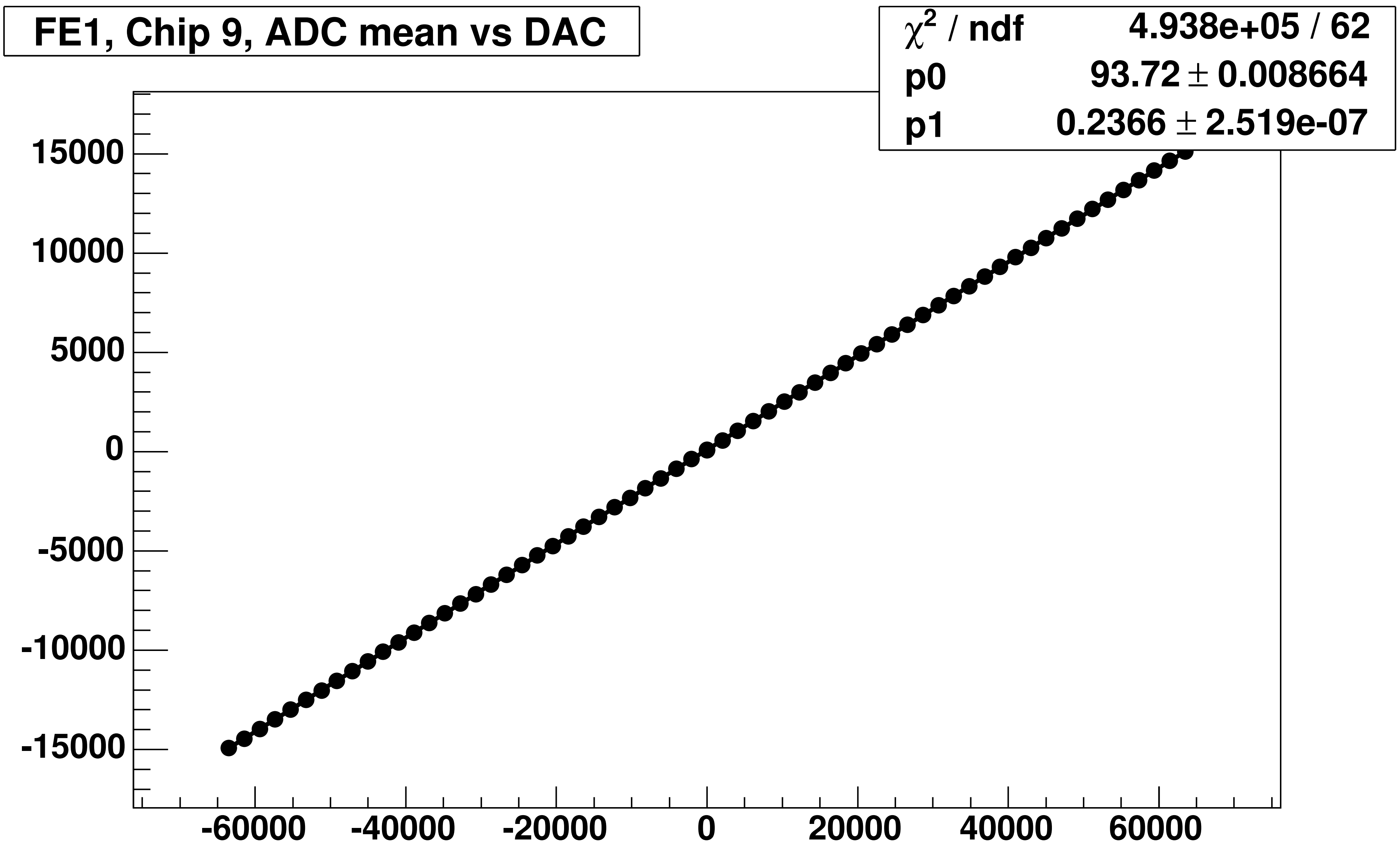
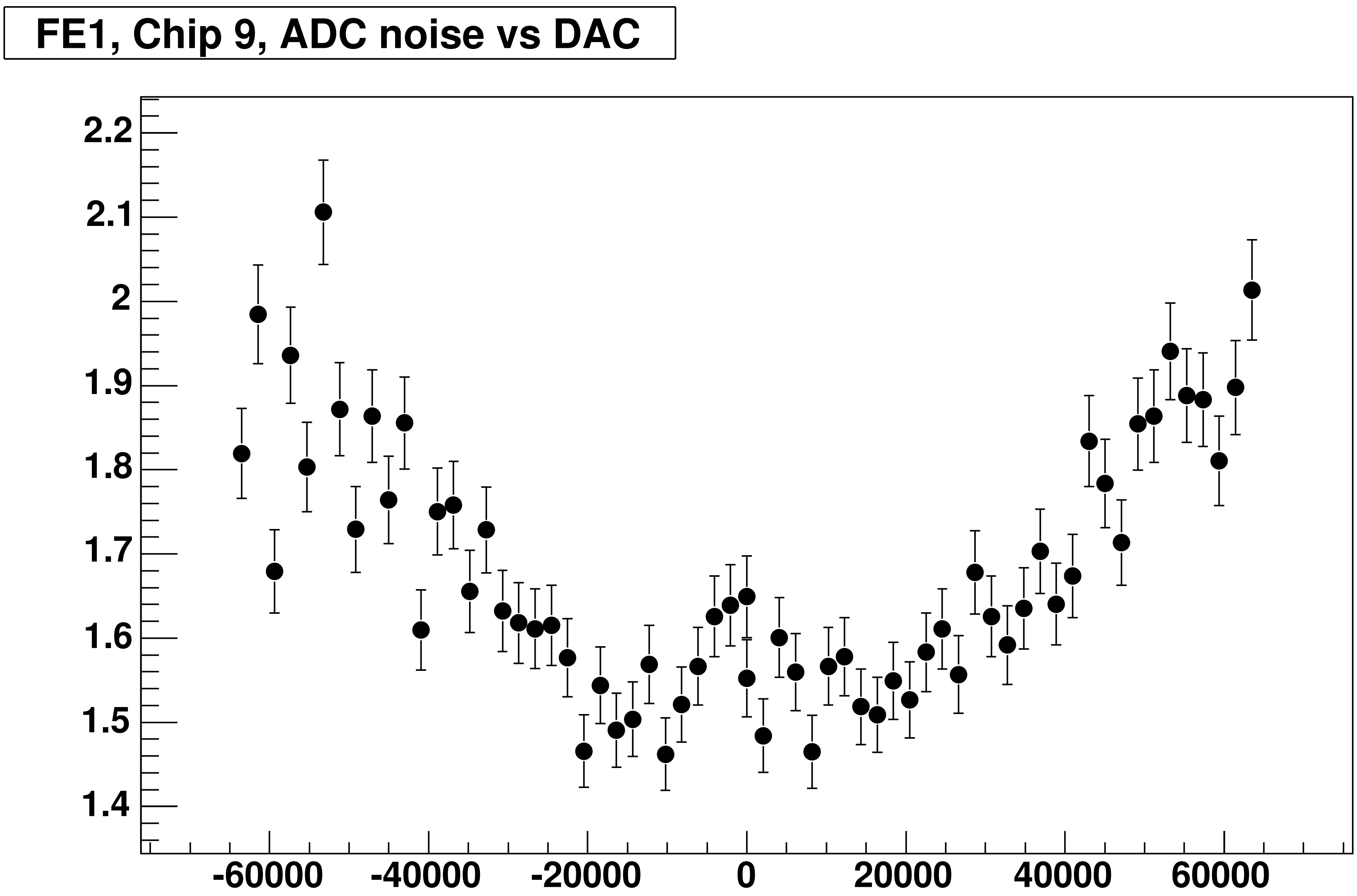
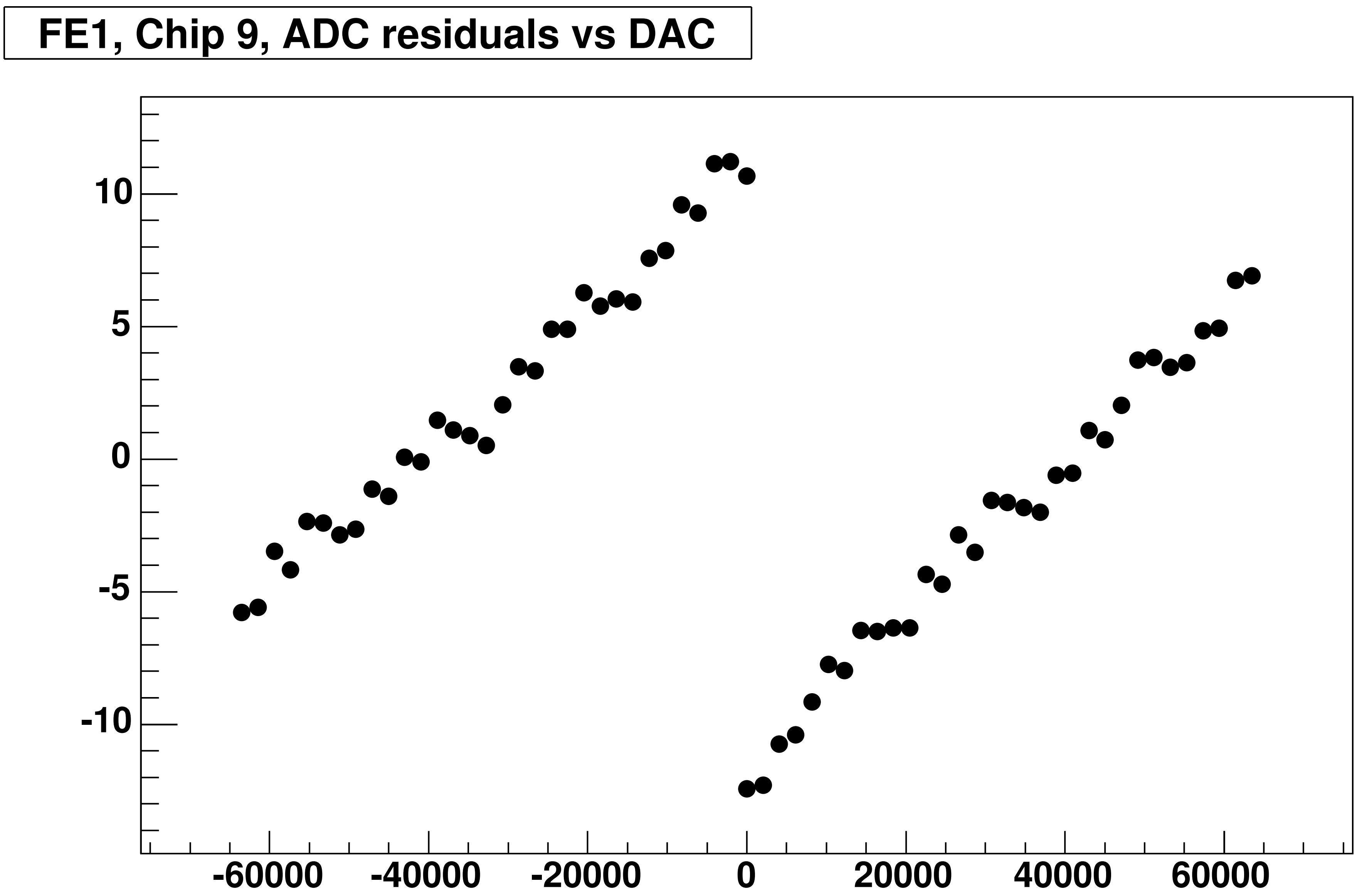
0
20000
40000
60000

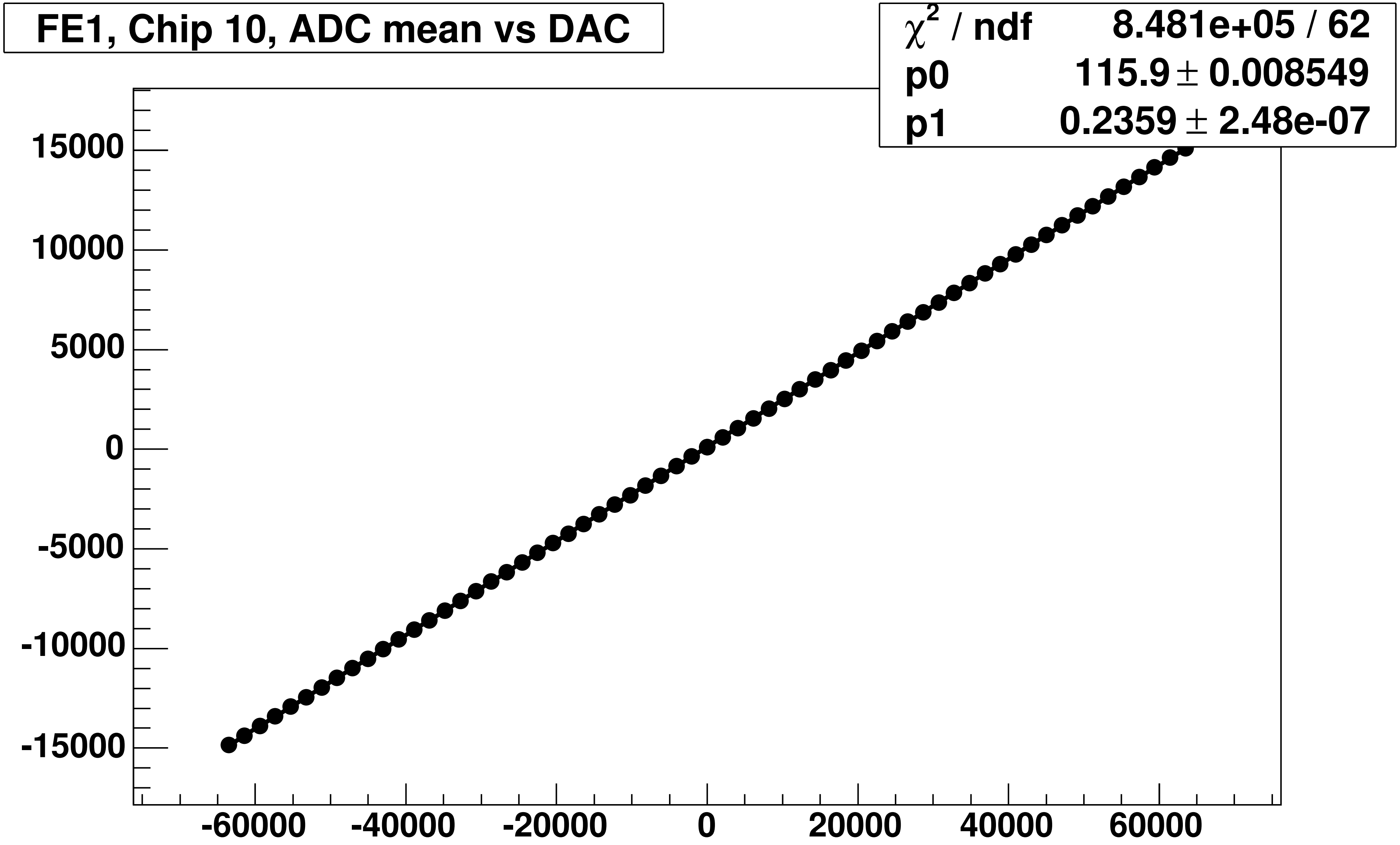

FE1, Chip 8, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
1
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 8, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 9, ADC mean vs DAC
χ^2 / ndf 4.938e+05 / 62
p0 93.72 ± 0.008664
p1 0.2366 ± 2.519e-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
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 9, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 10, ADC mean vs DAC
χ^2 / ndf 8.481e+05 / 62
p0 115.9 ± 0.008549
p1 0.2359 ± 2.48e-07
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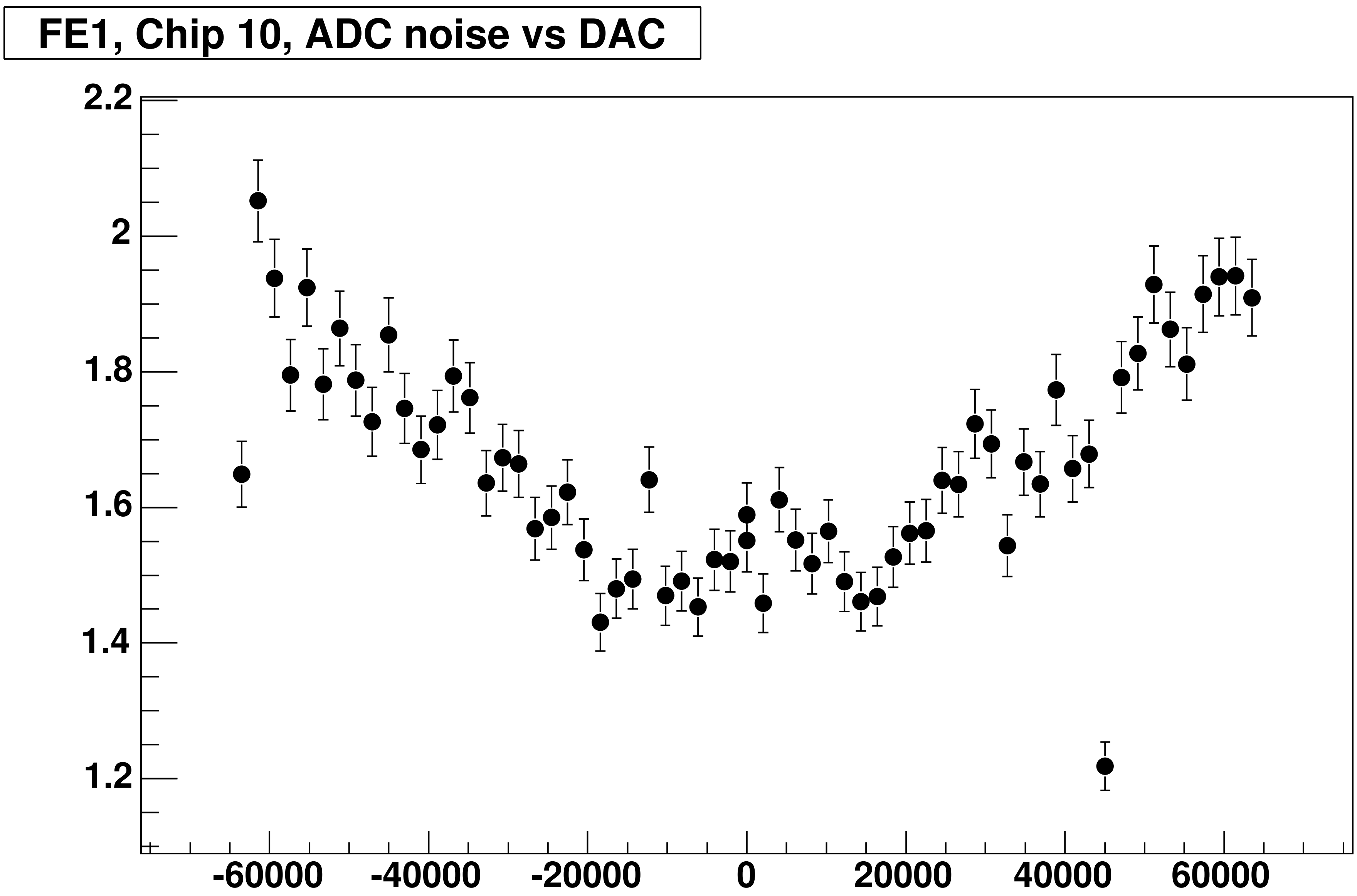
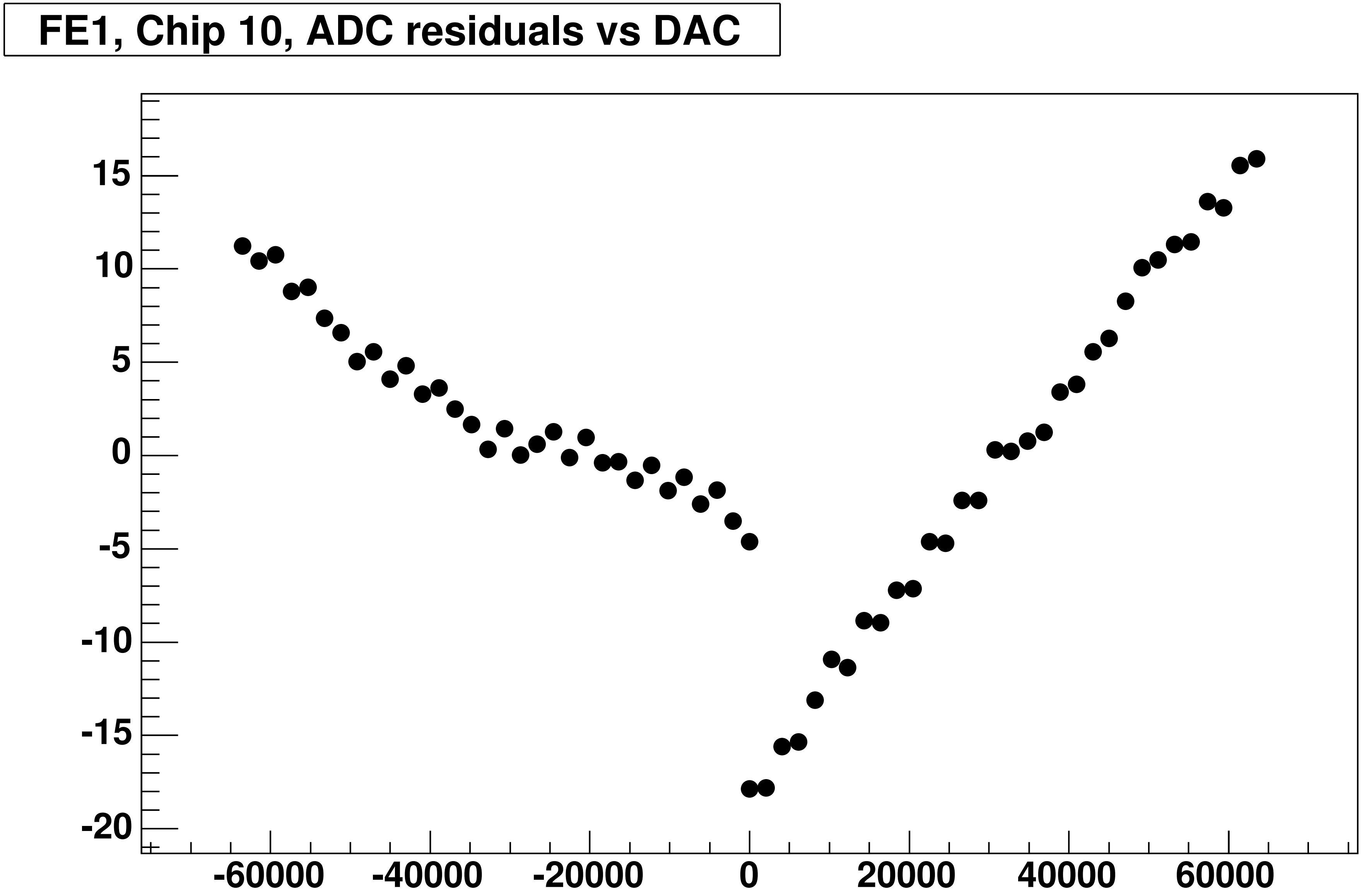
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 10, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000


FE1, Chip 10, ADC residuals vs DAC
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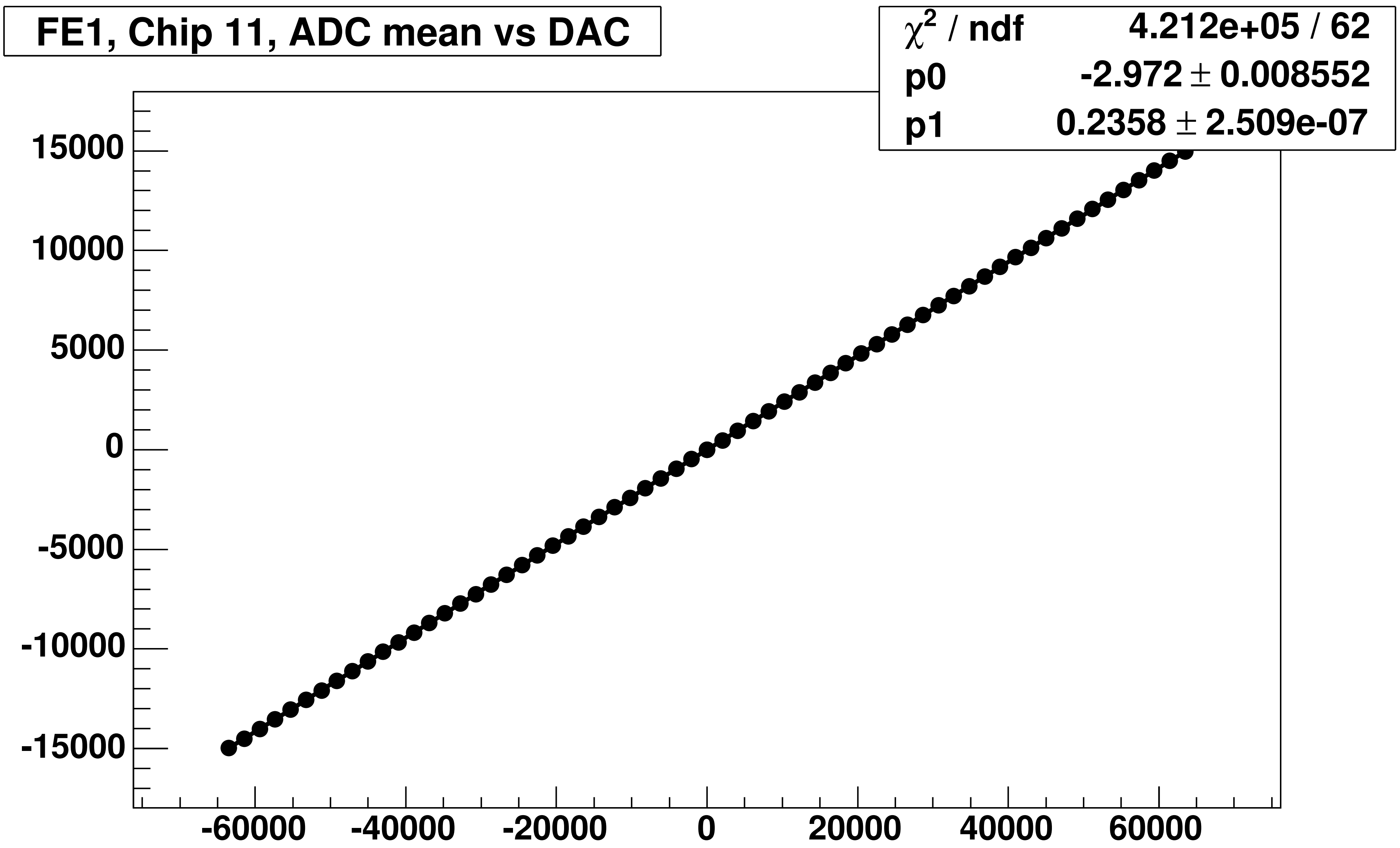
10
5
0
-5
-10
-15
-20
-60000
-40000
-20000
0
20000
40000
60000



FE1, Chip 11, ADC mean vs DAC
χ² / ndf 4.212e+05 / 62
p0 -2.972 ± 0.008552
p1 0.2358 ± 2.509e-07
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0
-5000
-10000
-15000
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-40000
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0
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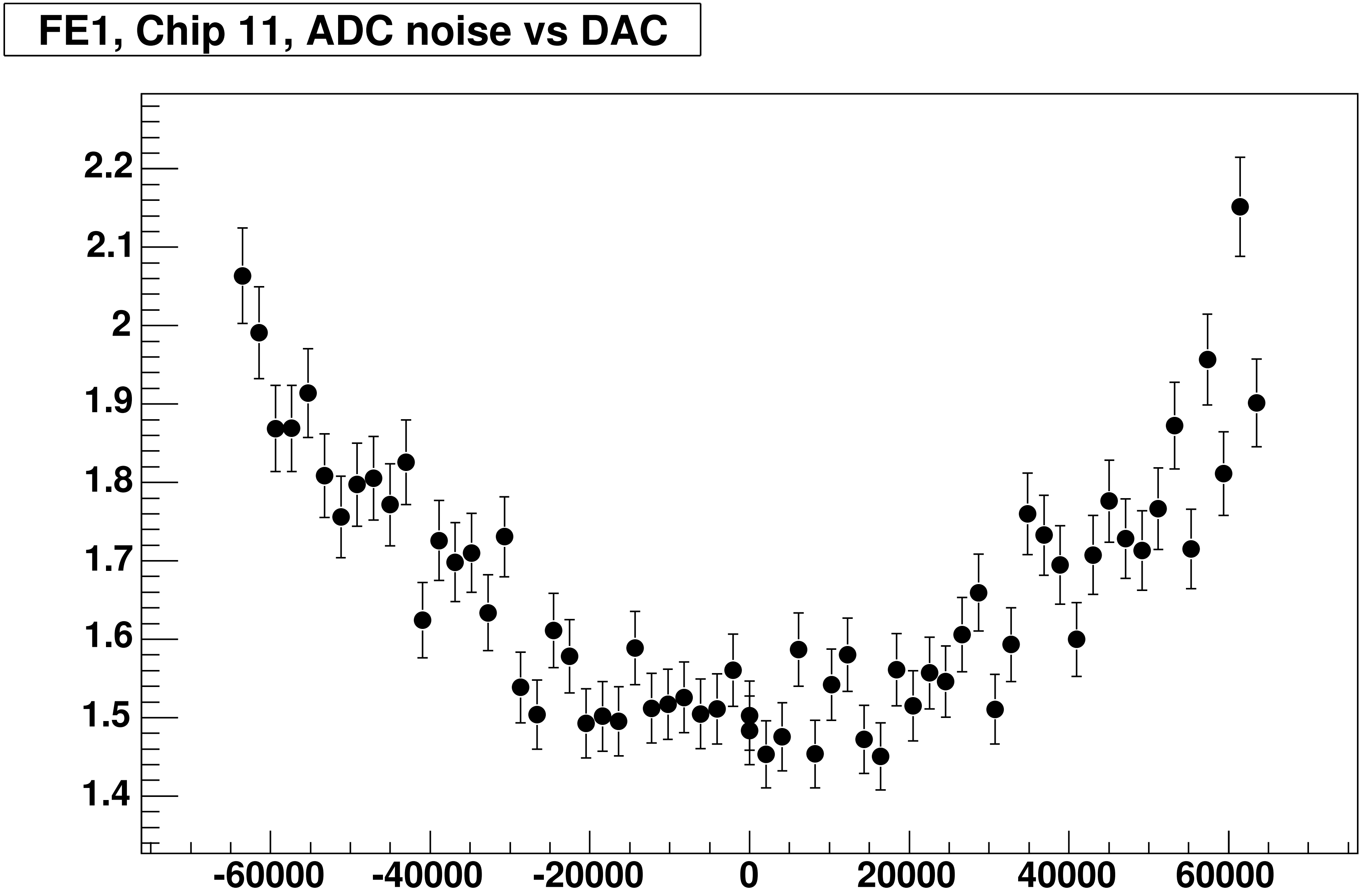
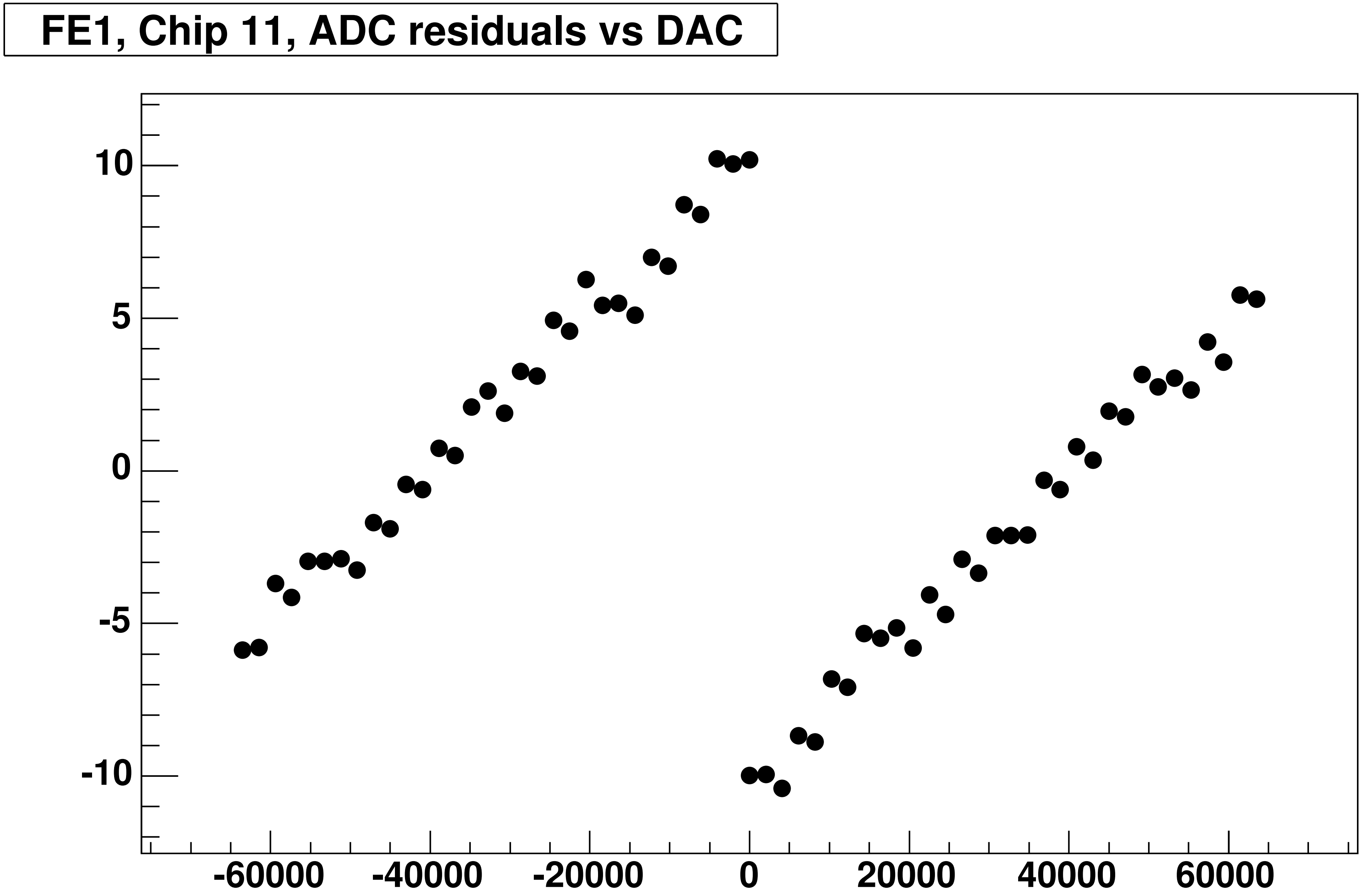
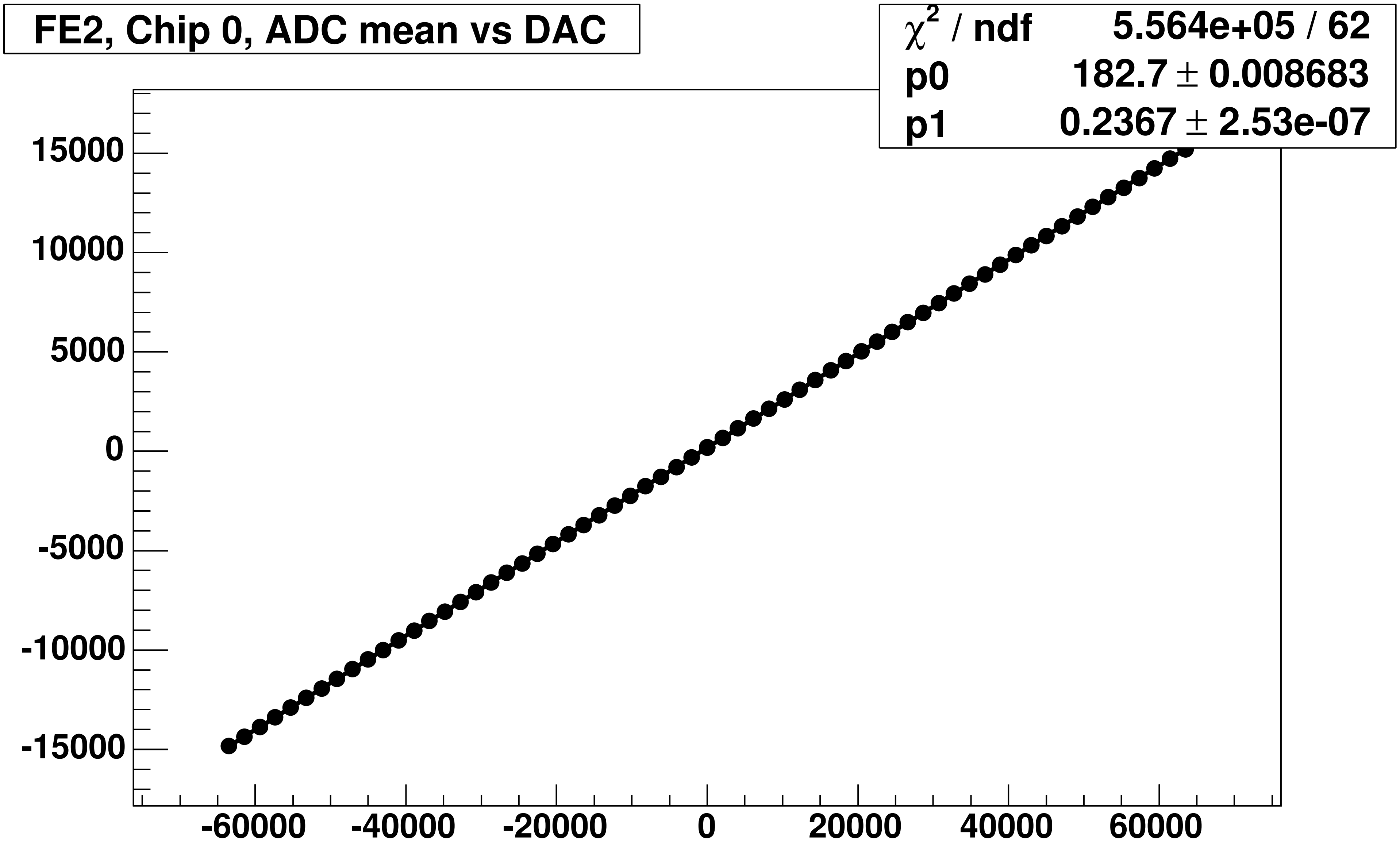
40000
60000


FE1, 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


FE1, Chip 11, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 0, ADC mean vs DAC
χ^2 / ndf 5.564e+05 / 62
p0 182.7 ± 0.008683
p1 0.2367 ± 2.53e-07
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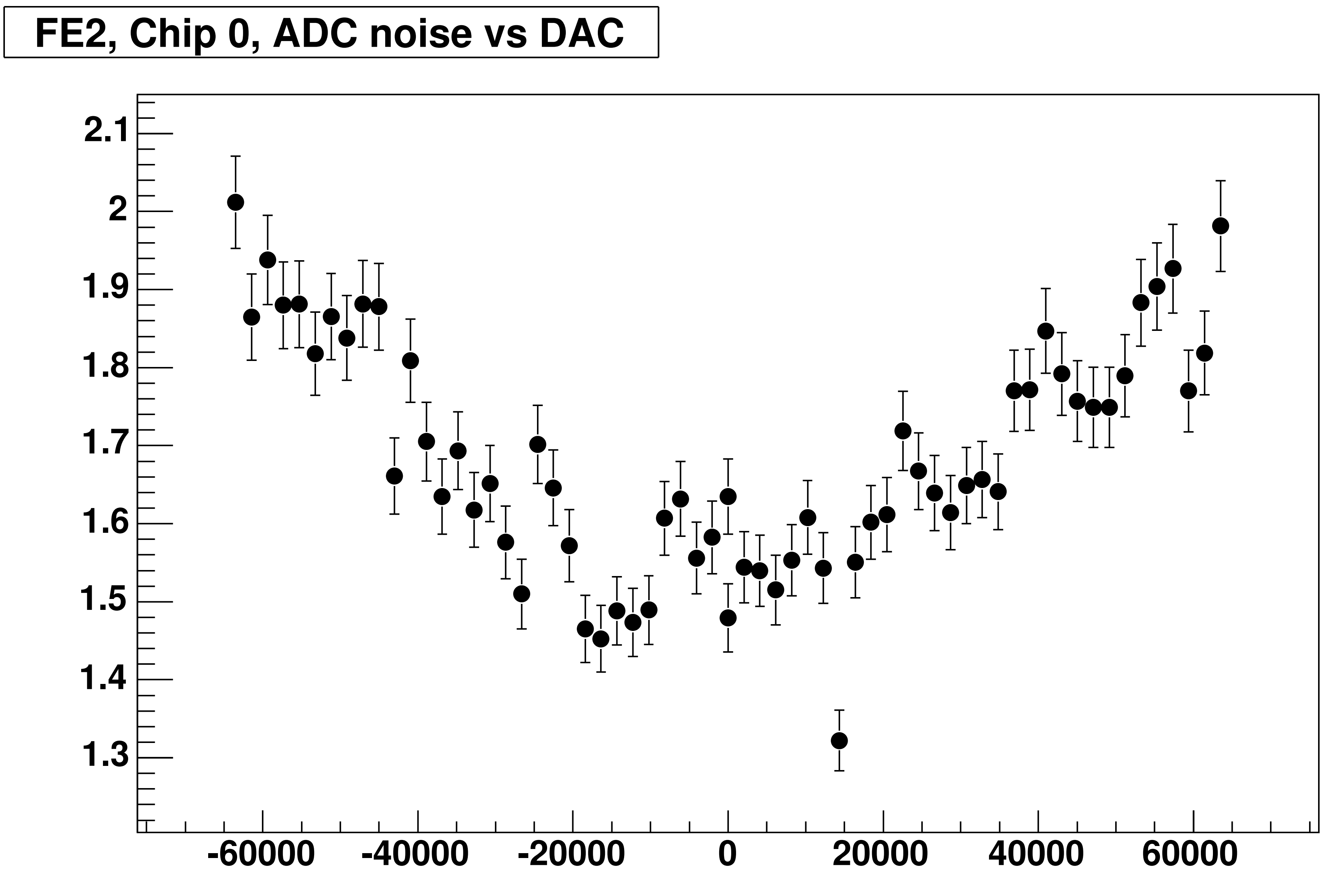
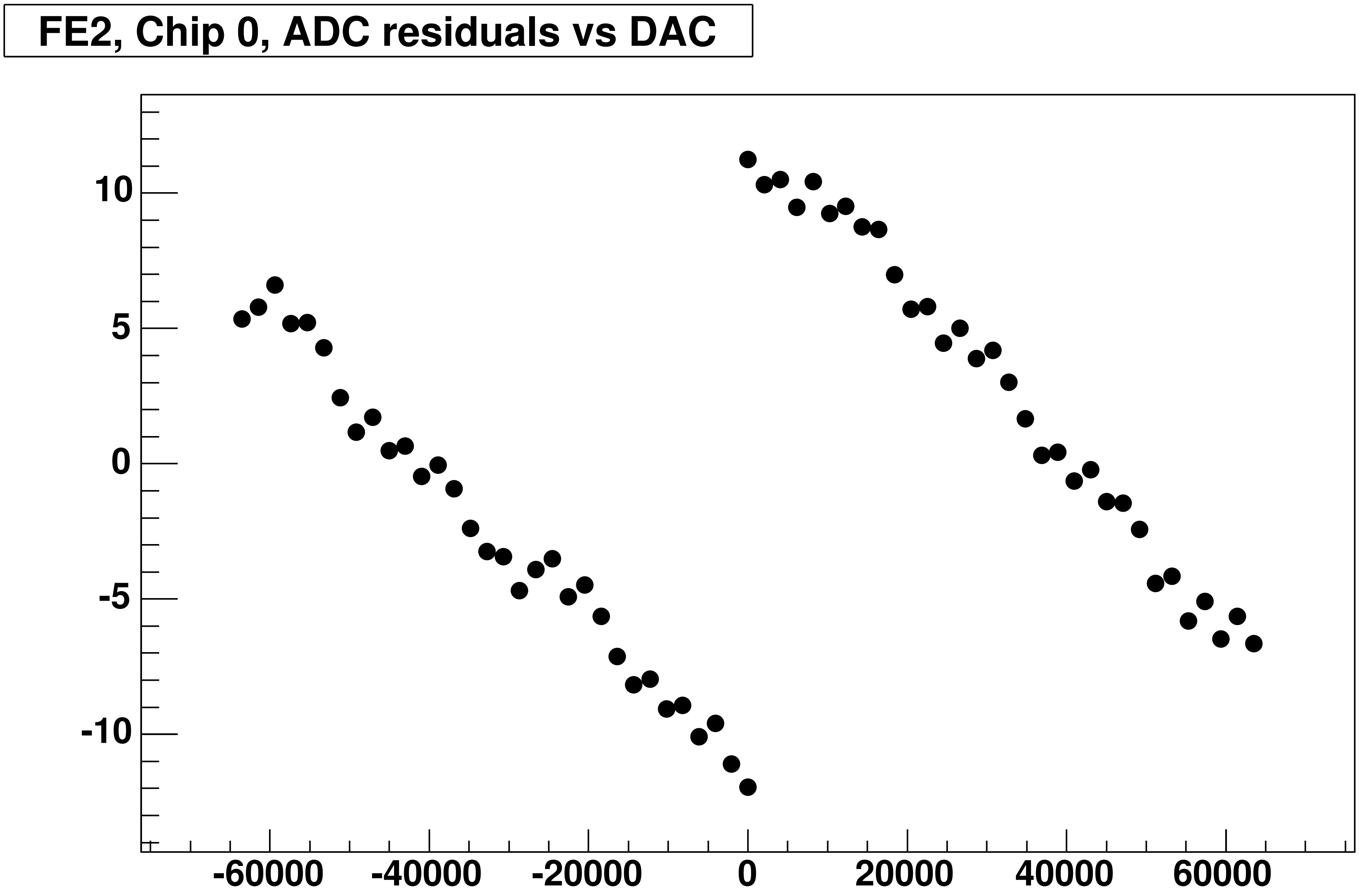
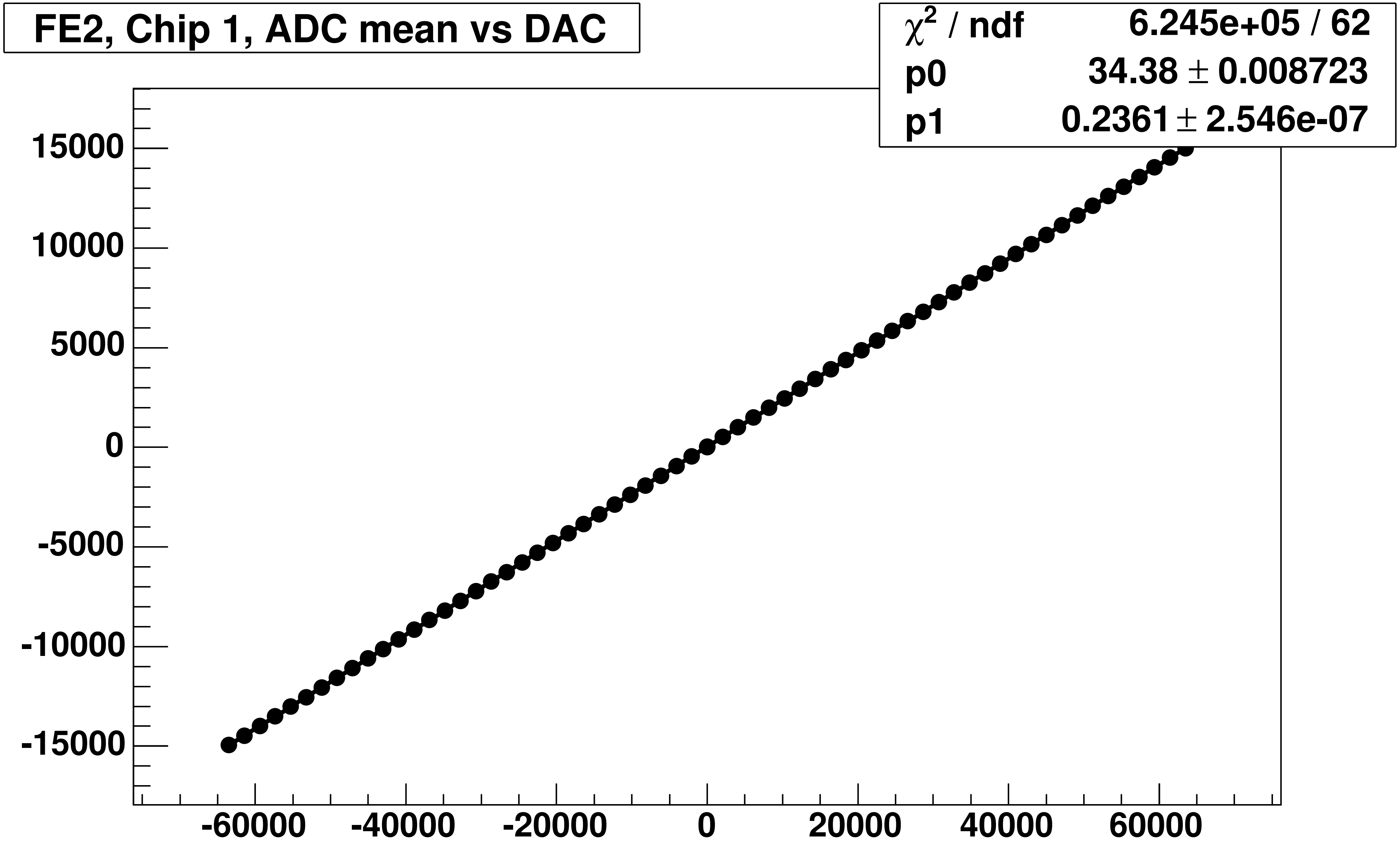
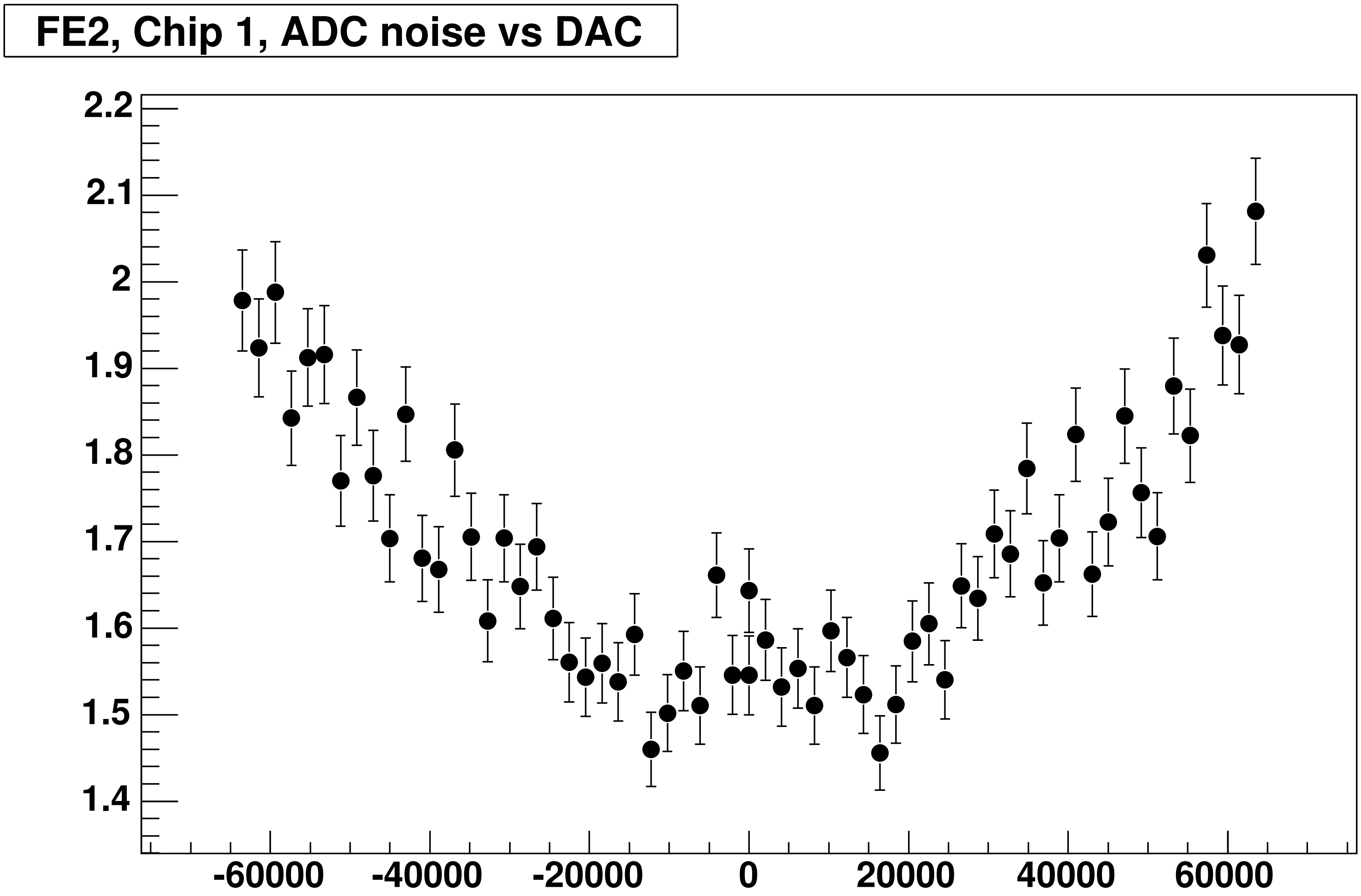
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE2, 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


FE2, Chip 0, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 1, ADC mean vs DAC
χ^2 / ndf 6.245e+05 / 62
p0 34.38 ± 0.008723
p1 0.2361 ± 2.546e-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
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40000
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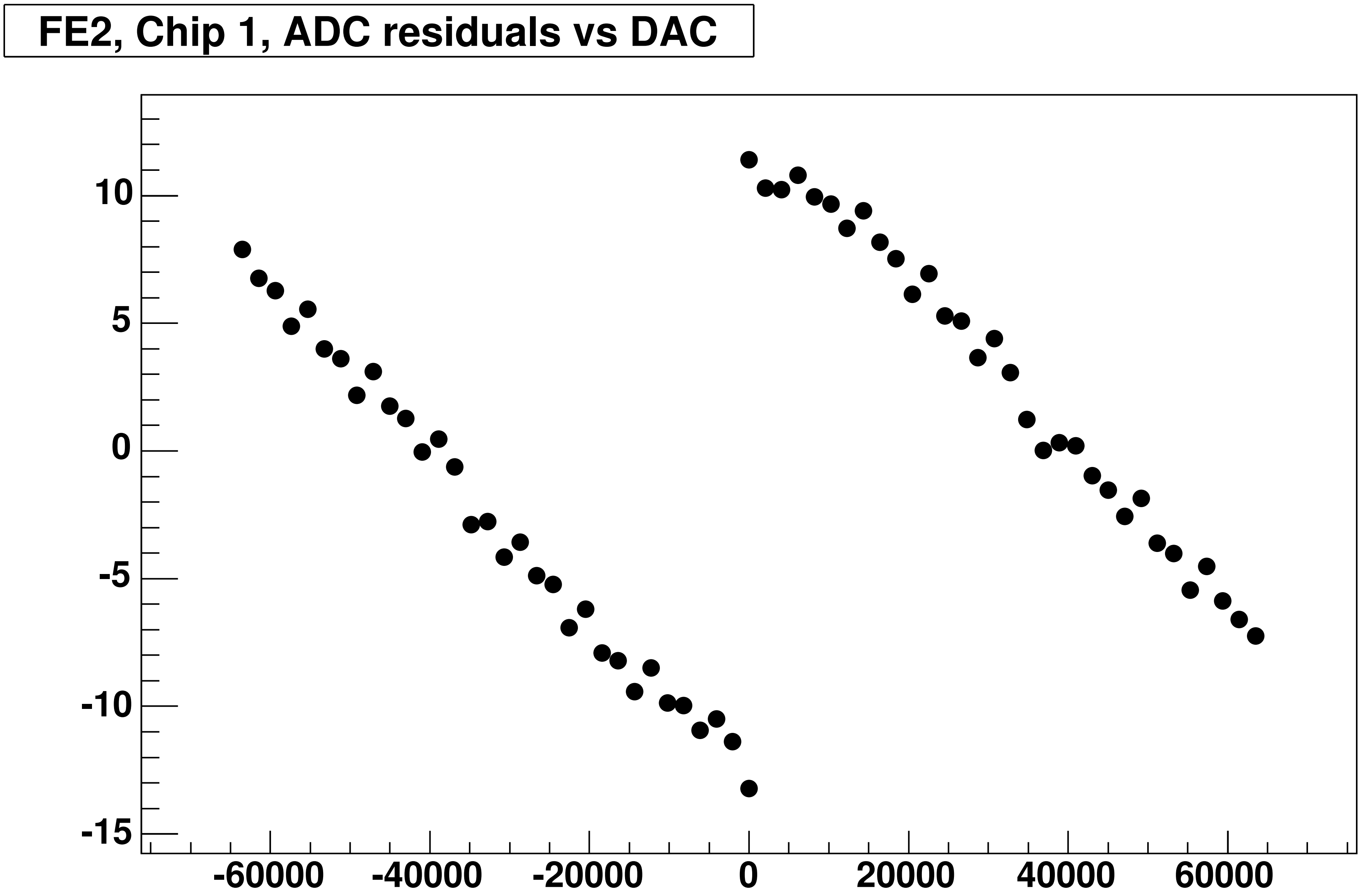
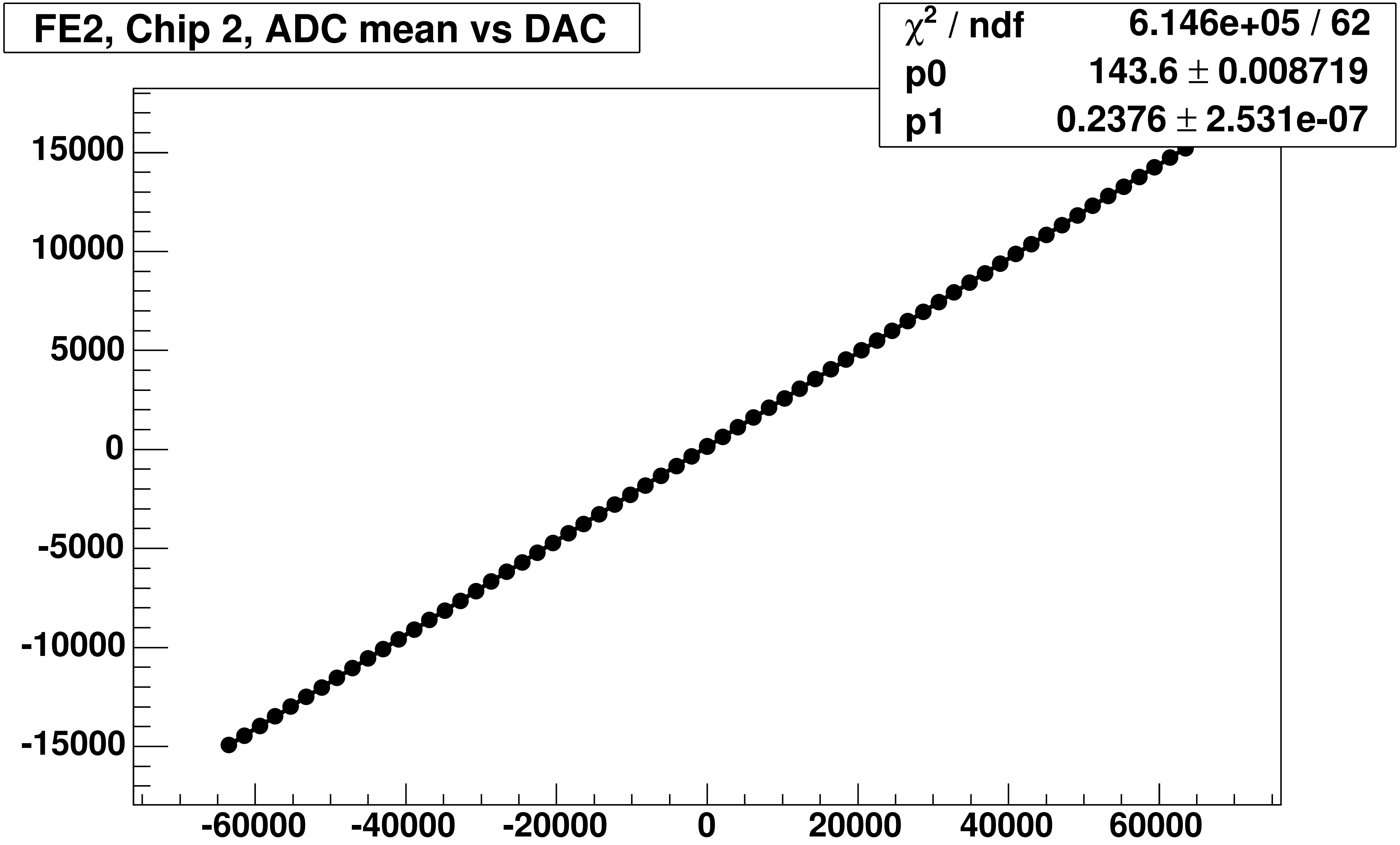


FE2, Chip 1, ADC residuals vs DAC
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



FE2, Chip 2, ADC mean vs DAC
χ^2 / ndf 6.146e+05 / 62
p0 143.6 ± 0.008719
p1 0.2376 ± 2.531e-07
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10000
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0
-5000
-10000
-15000
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-40000
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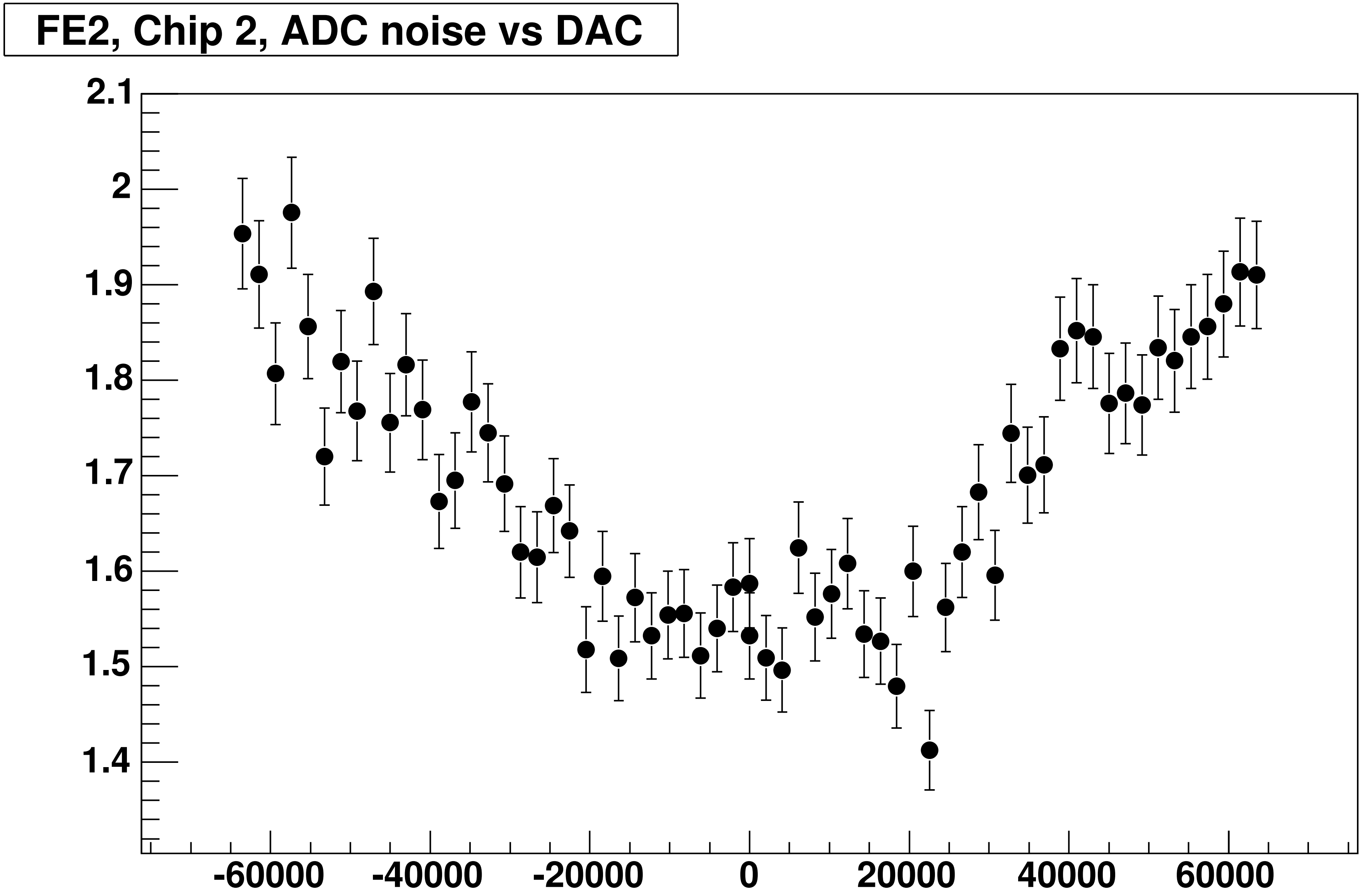
0
20000
40000
60000


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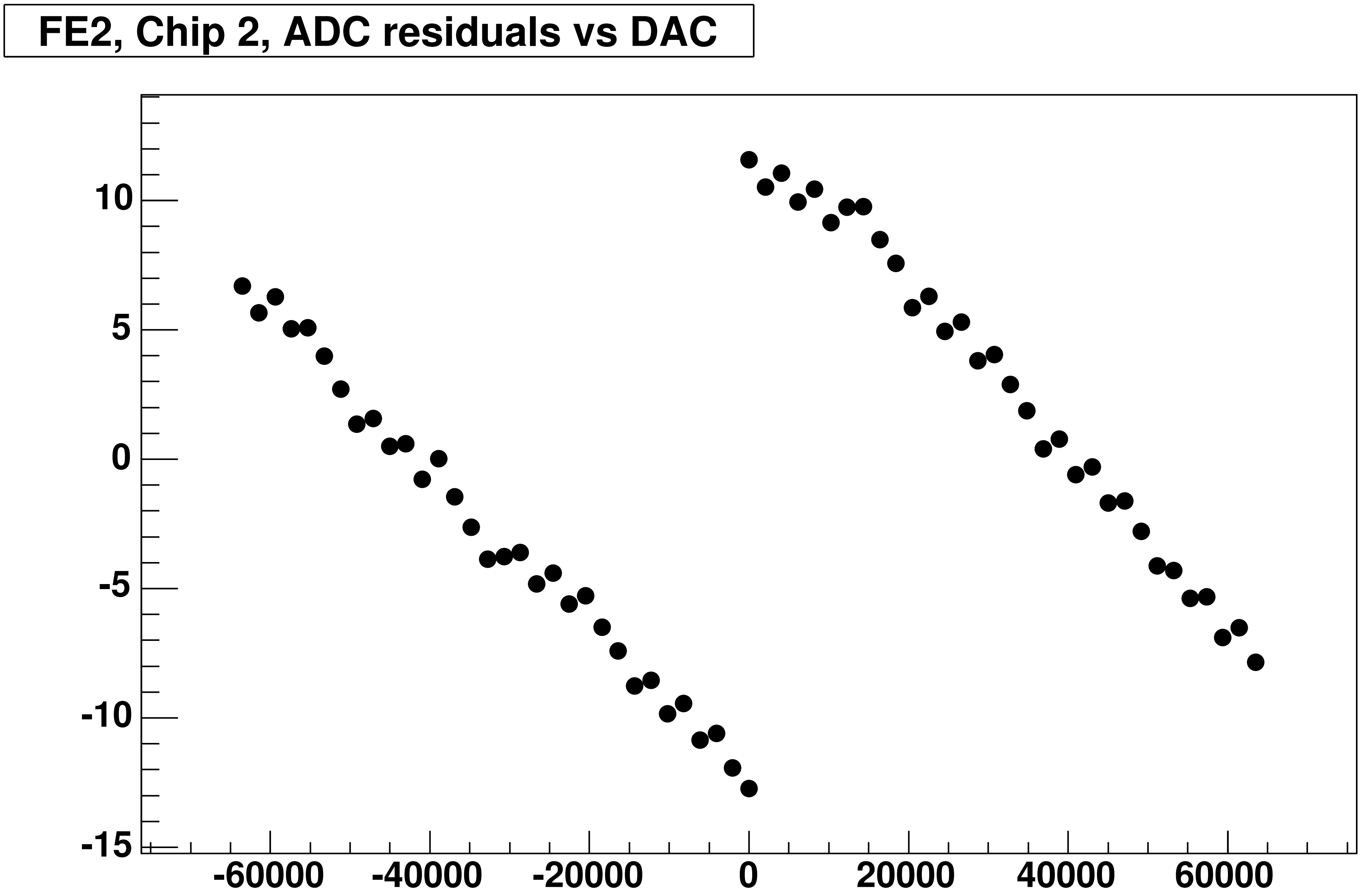
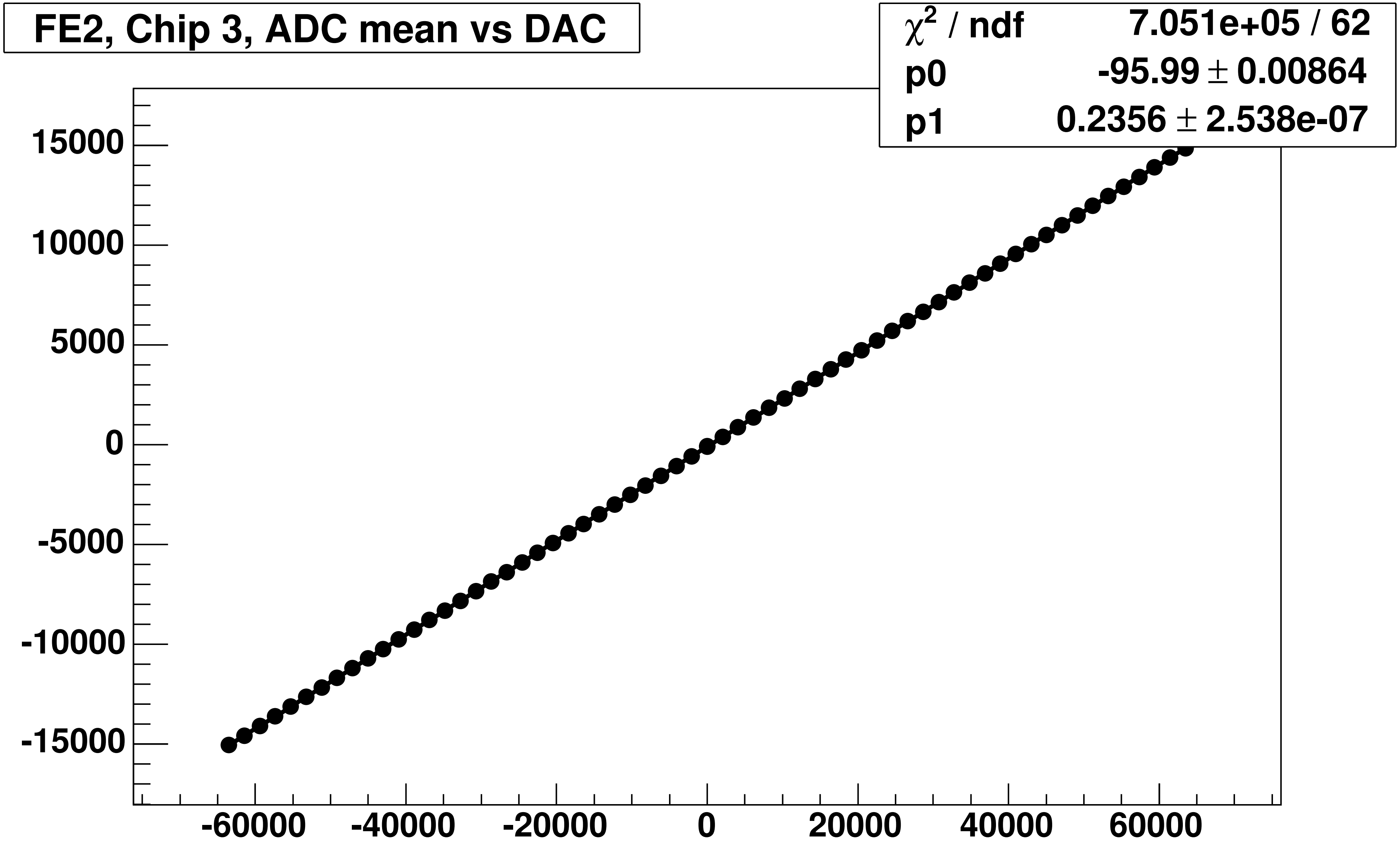
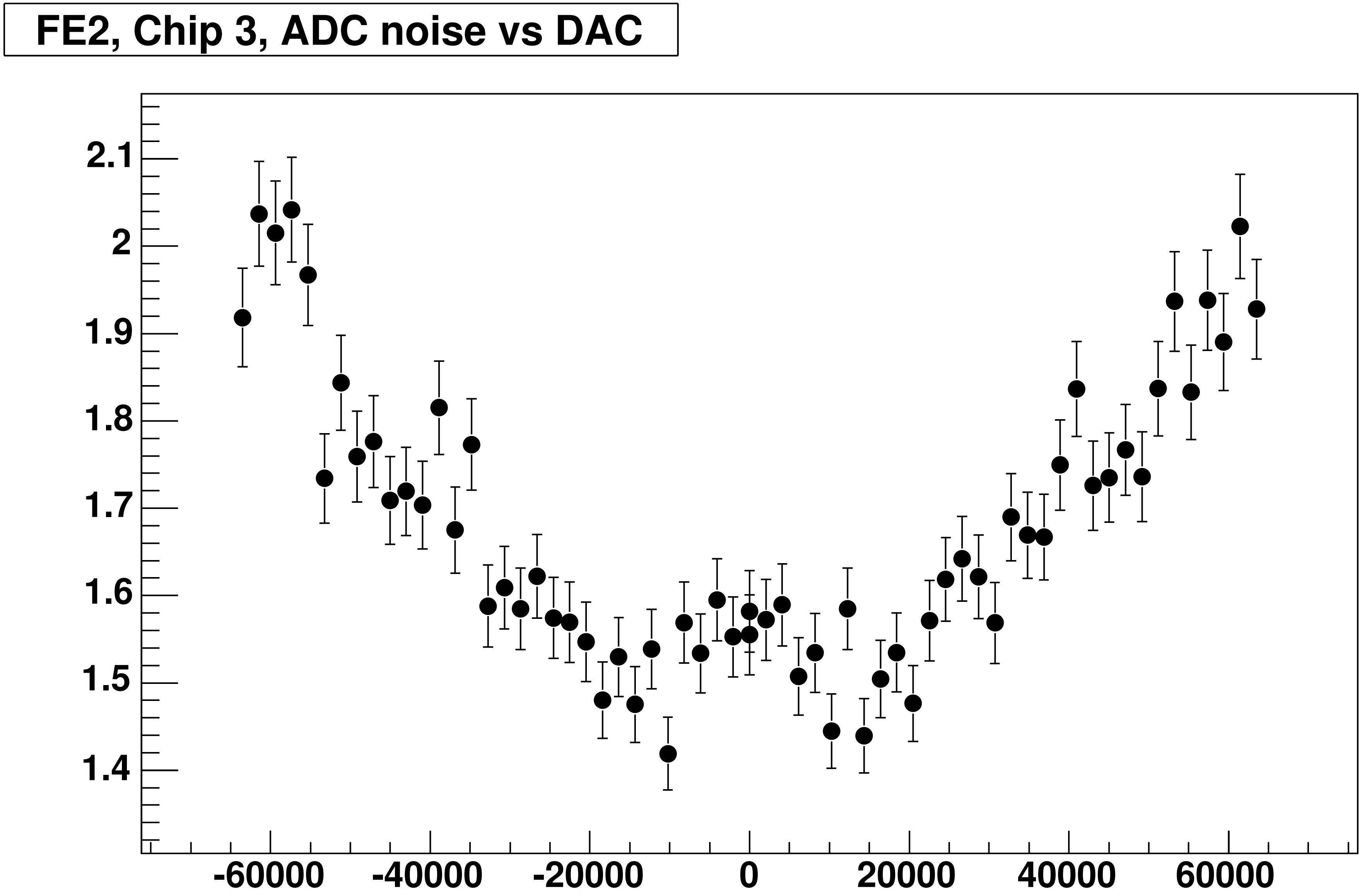
20000
40000
60000


FE2, Chip 2, ADC residuals vs DAC
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000



FE2, Chip 3, ADC mean vs DAC
χ^2 / ndf 7.051e+05 / 62
p0 -95.99 ± 0.00864
p1 0.2356 ± 2.538e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


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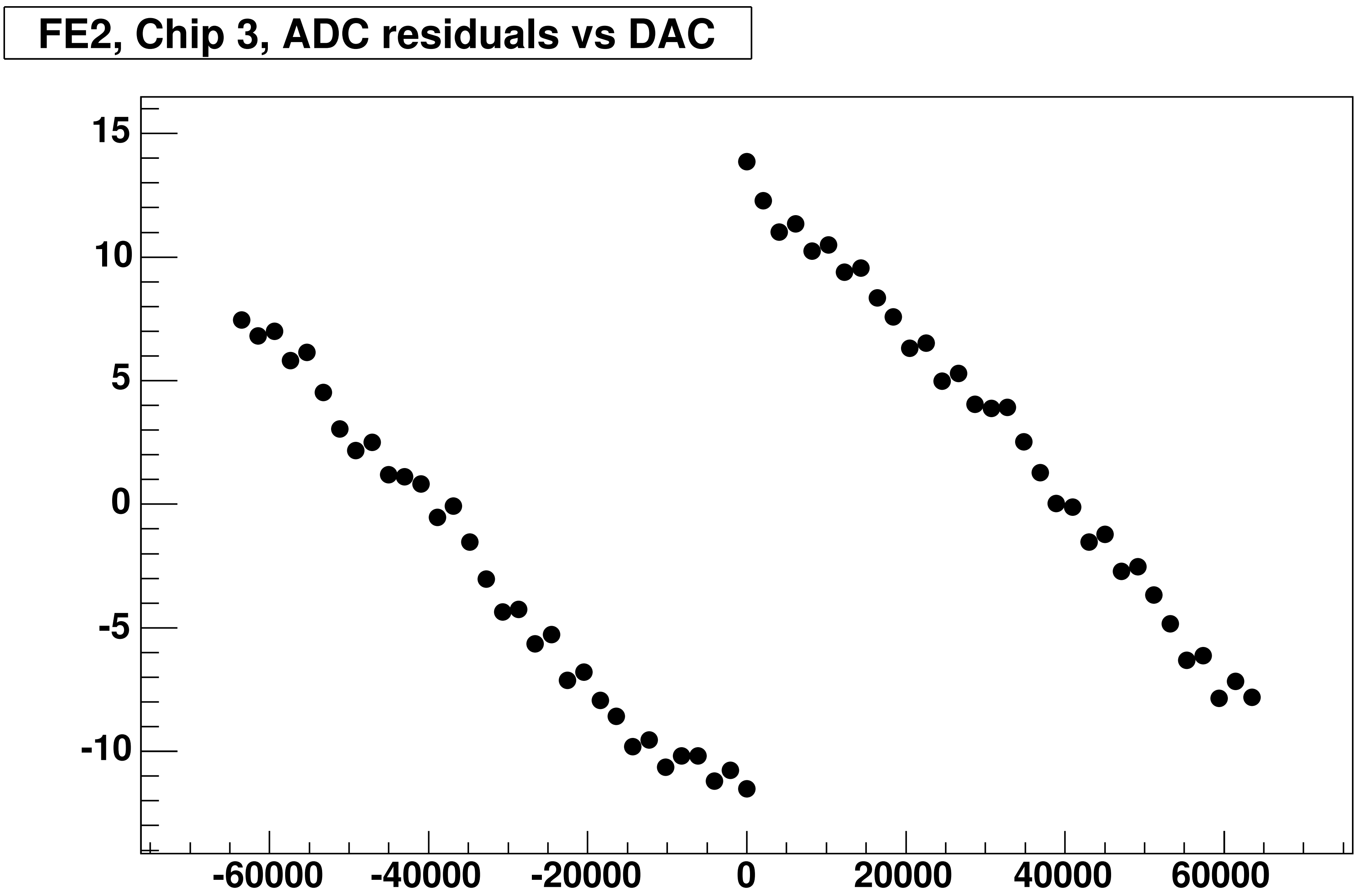
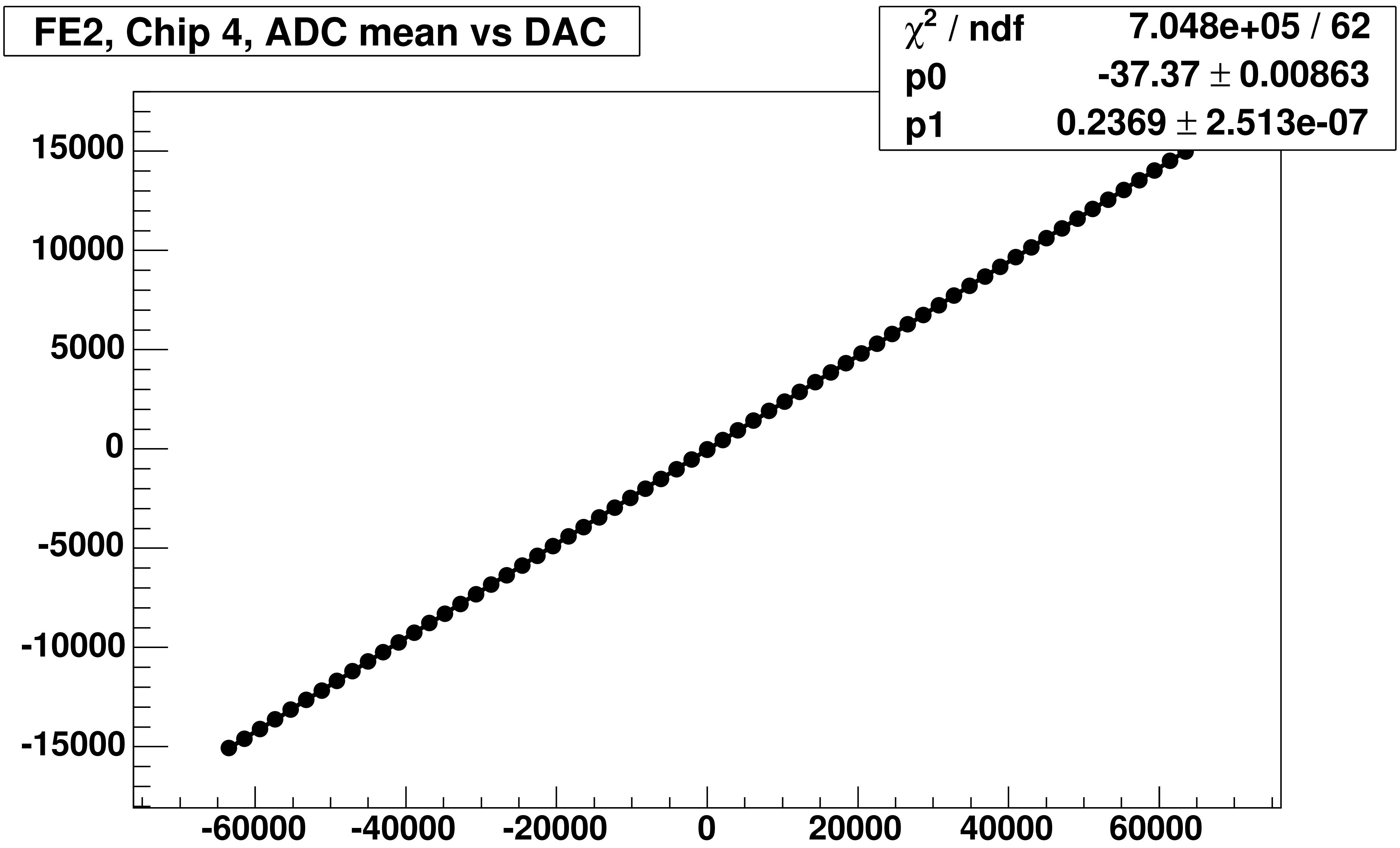
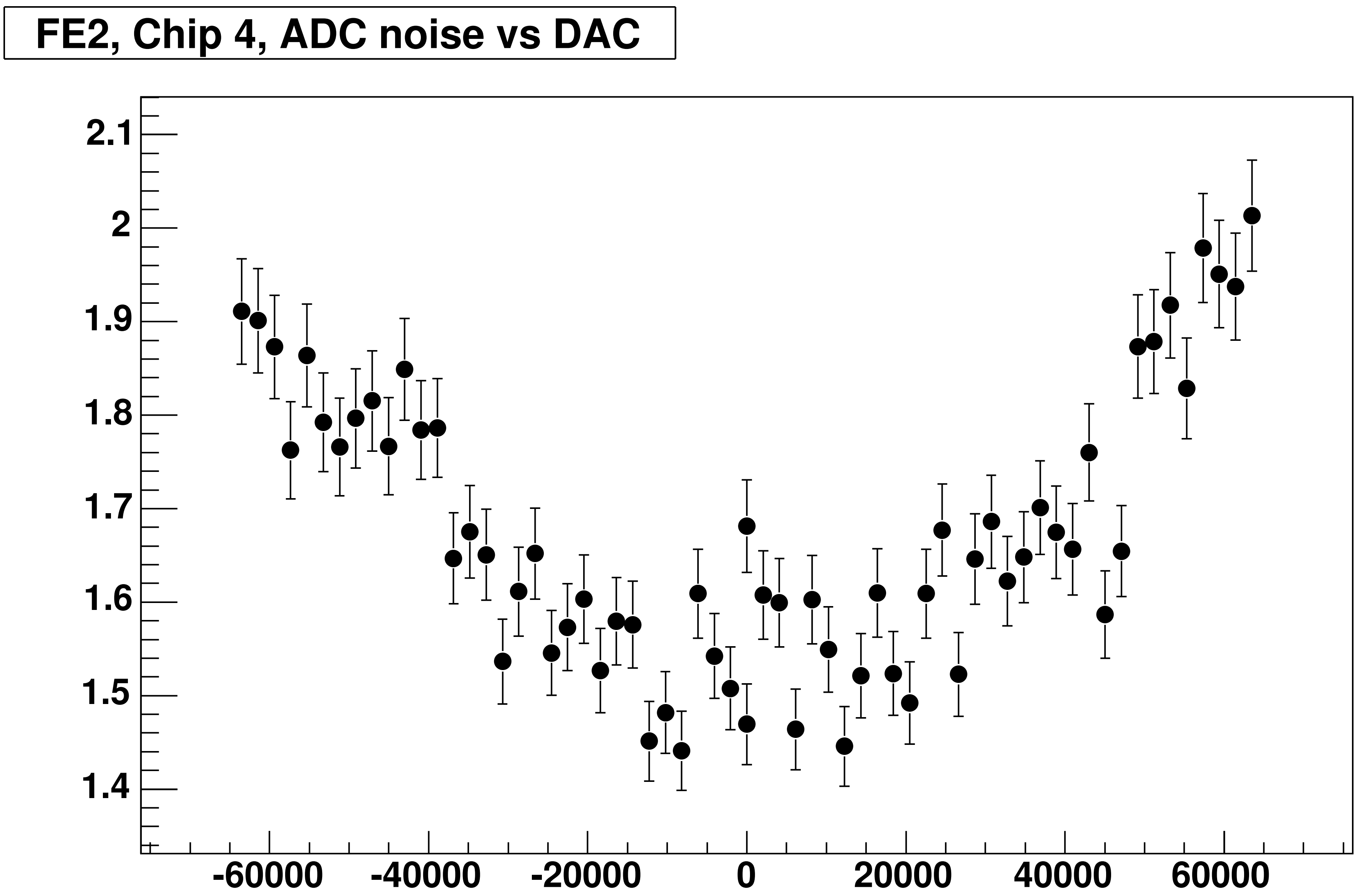
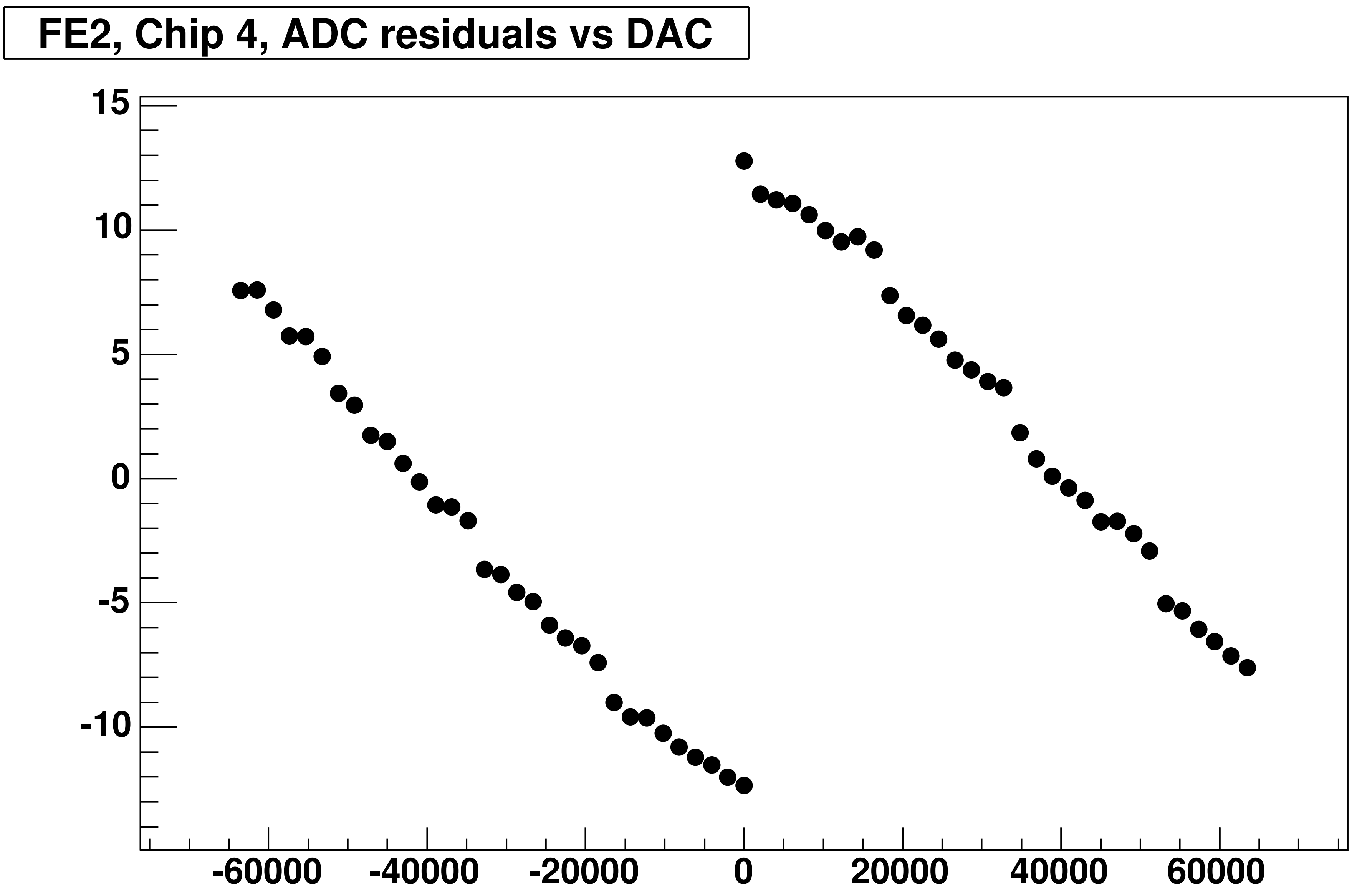
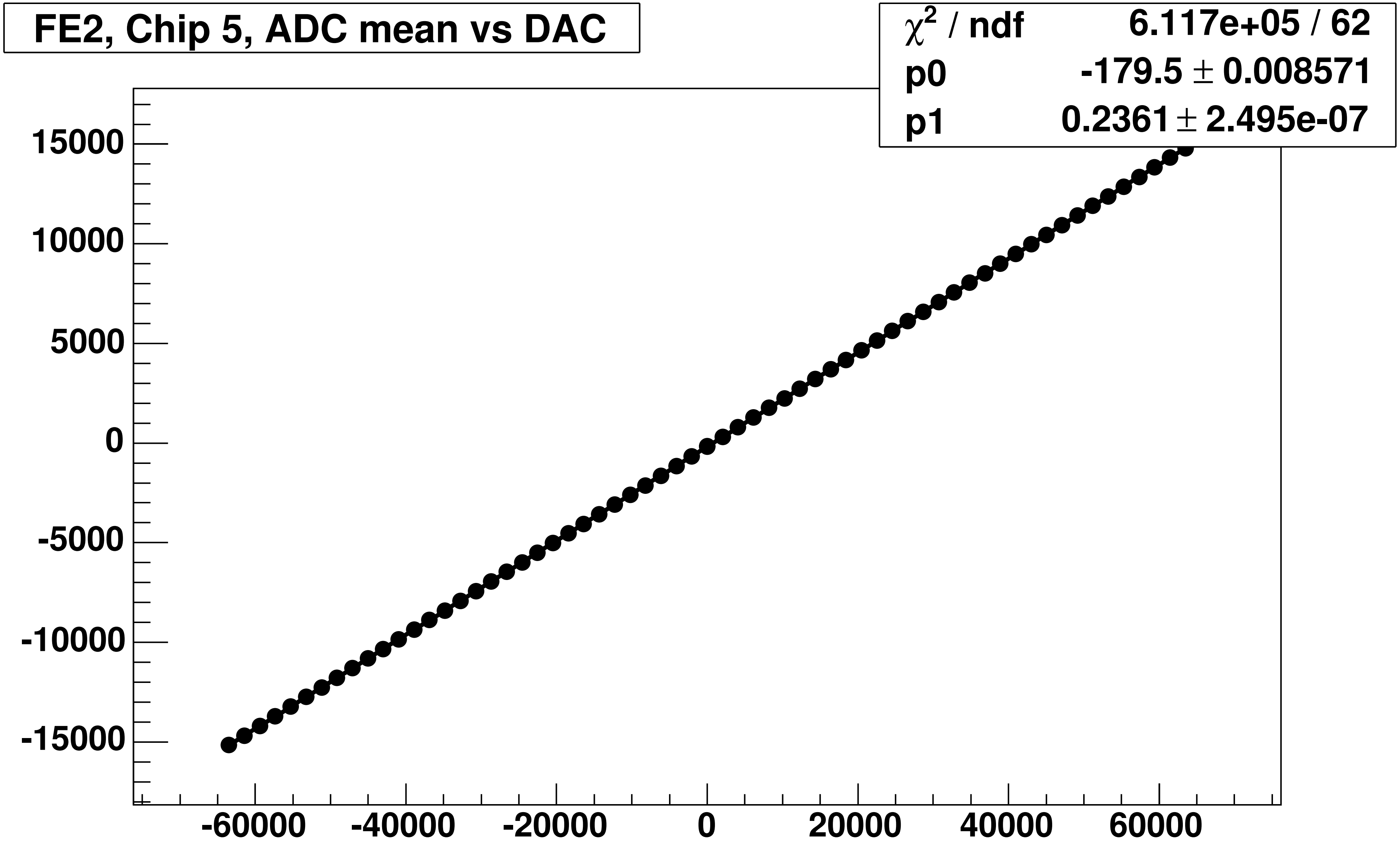
60000


FE2, Chip 3, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

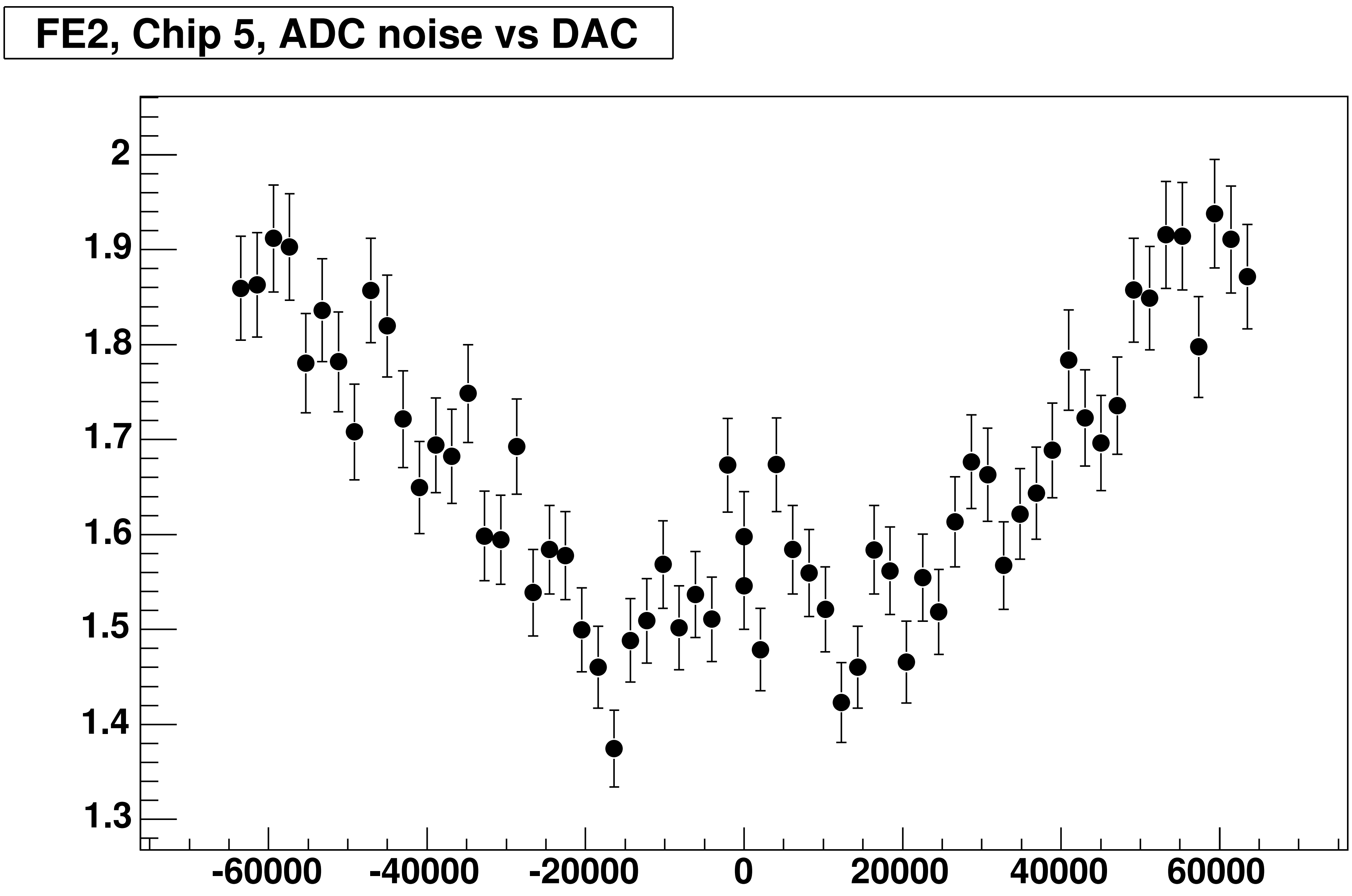

FE2, Chip 4, ADC mean vs DAC
χ^2 / ndf 7.048e+05 / 62
p0 -37.37 ± 0.00863
p1 0.2369 ± 2.513e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

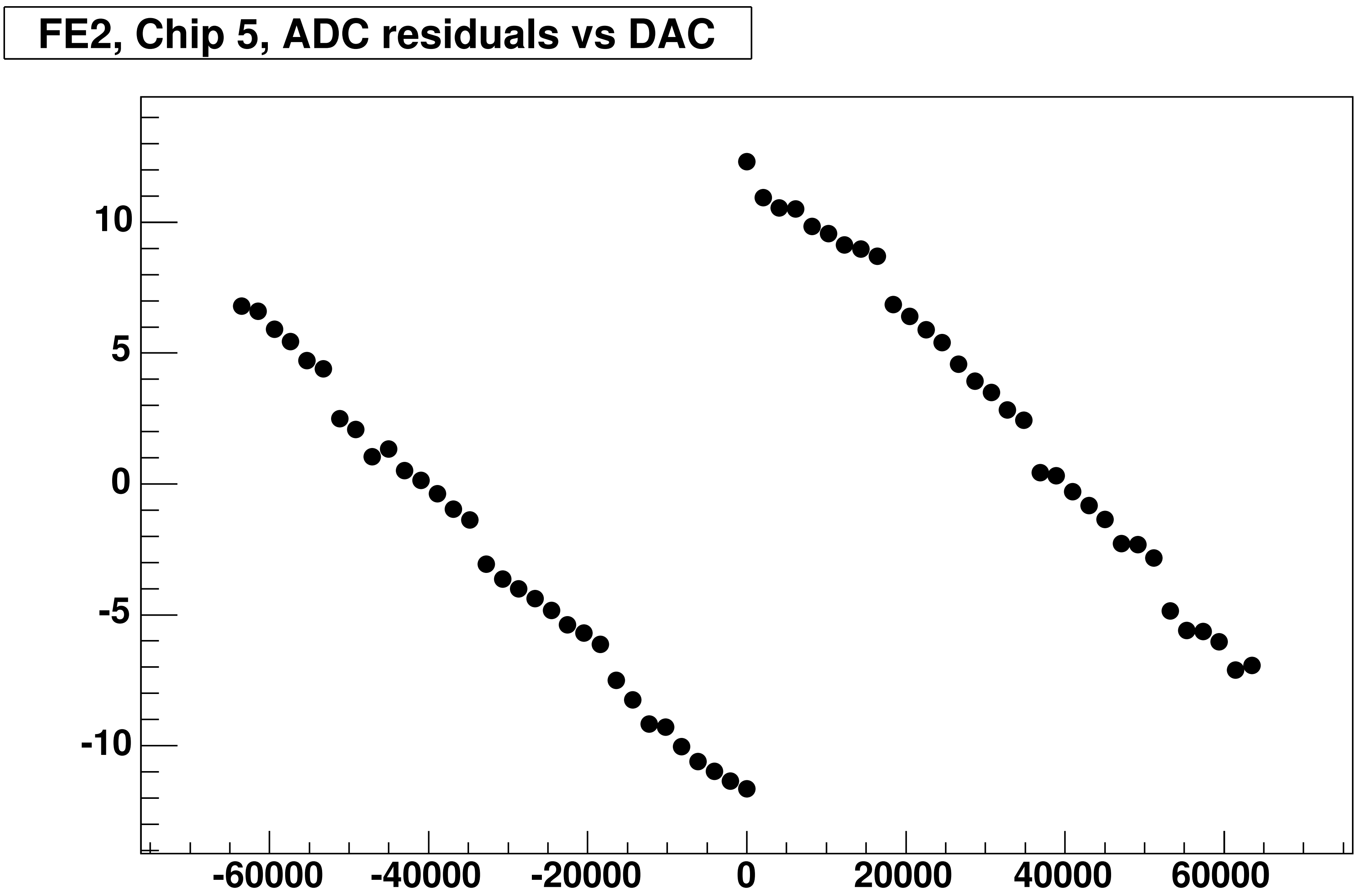

FE2, Chip 4, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 4, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

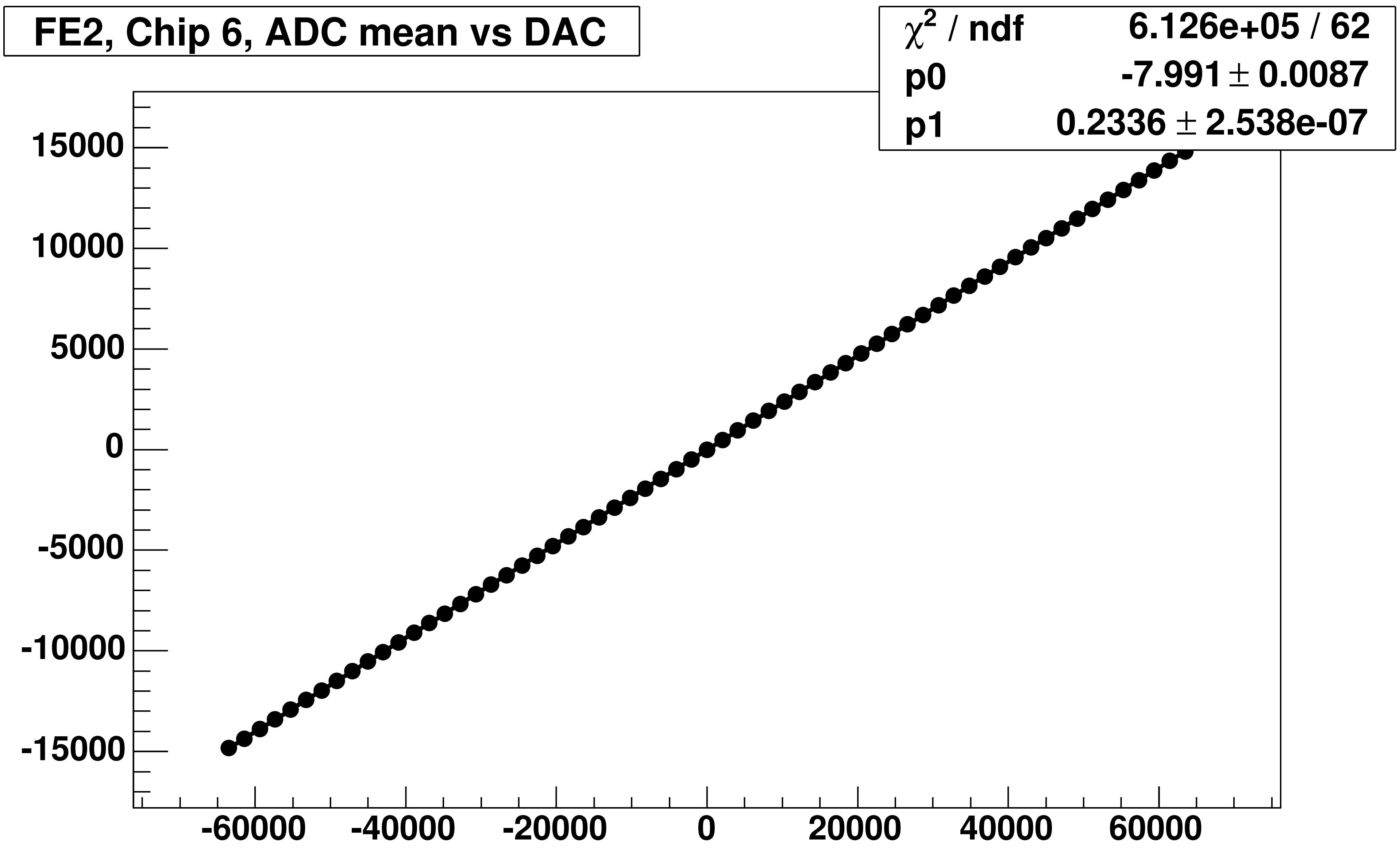


FE2, Chip 5, ADC mean vs DAC
χ^2 / ndf 6.117e+05 / 62
p0 -179.5 ± 0.008571
p1 0.2361 ± 2.495e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 5, 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



FE2, Chip 5, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 6, ADC mean vs DAC
χ^2 / ndf 6.126e+05 / 62
p0 -7.991 ± 0.0087
p1 0.2336 ± 2.538e-07
15000
10000
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0
-5000
-10000
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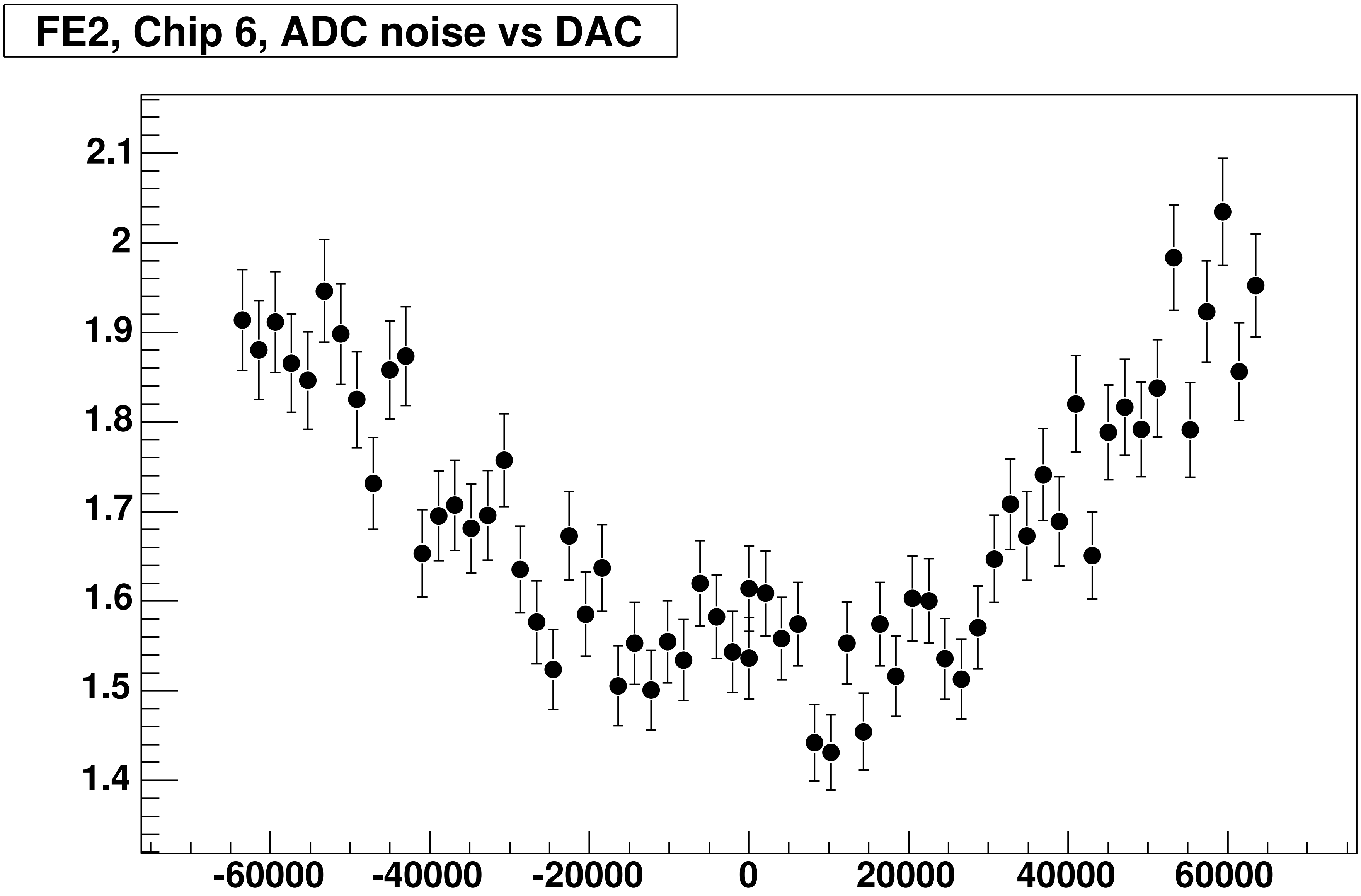
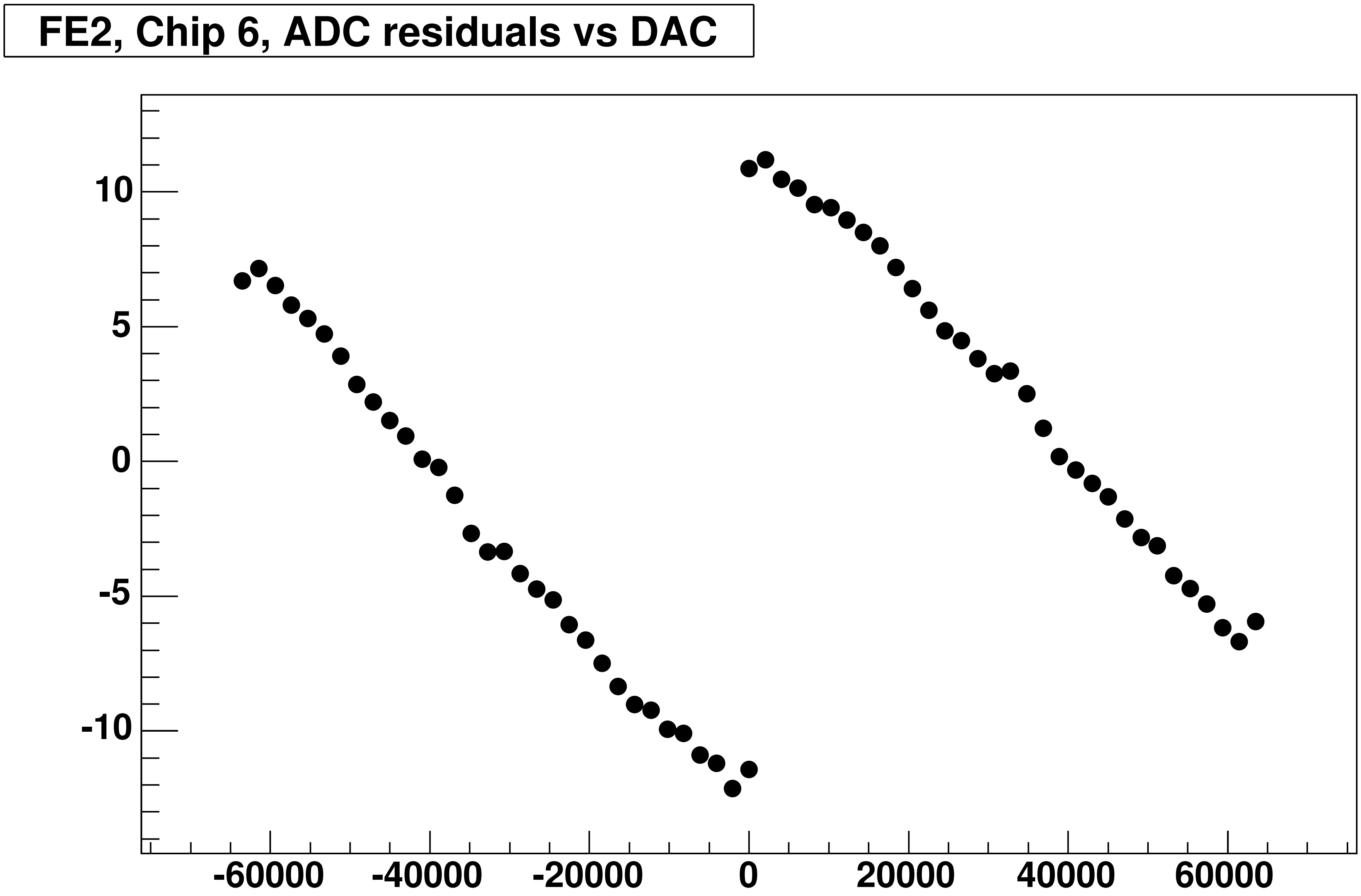
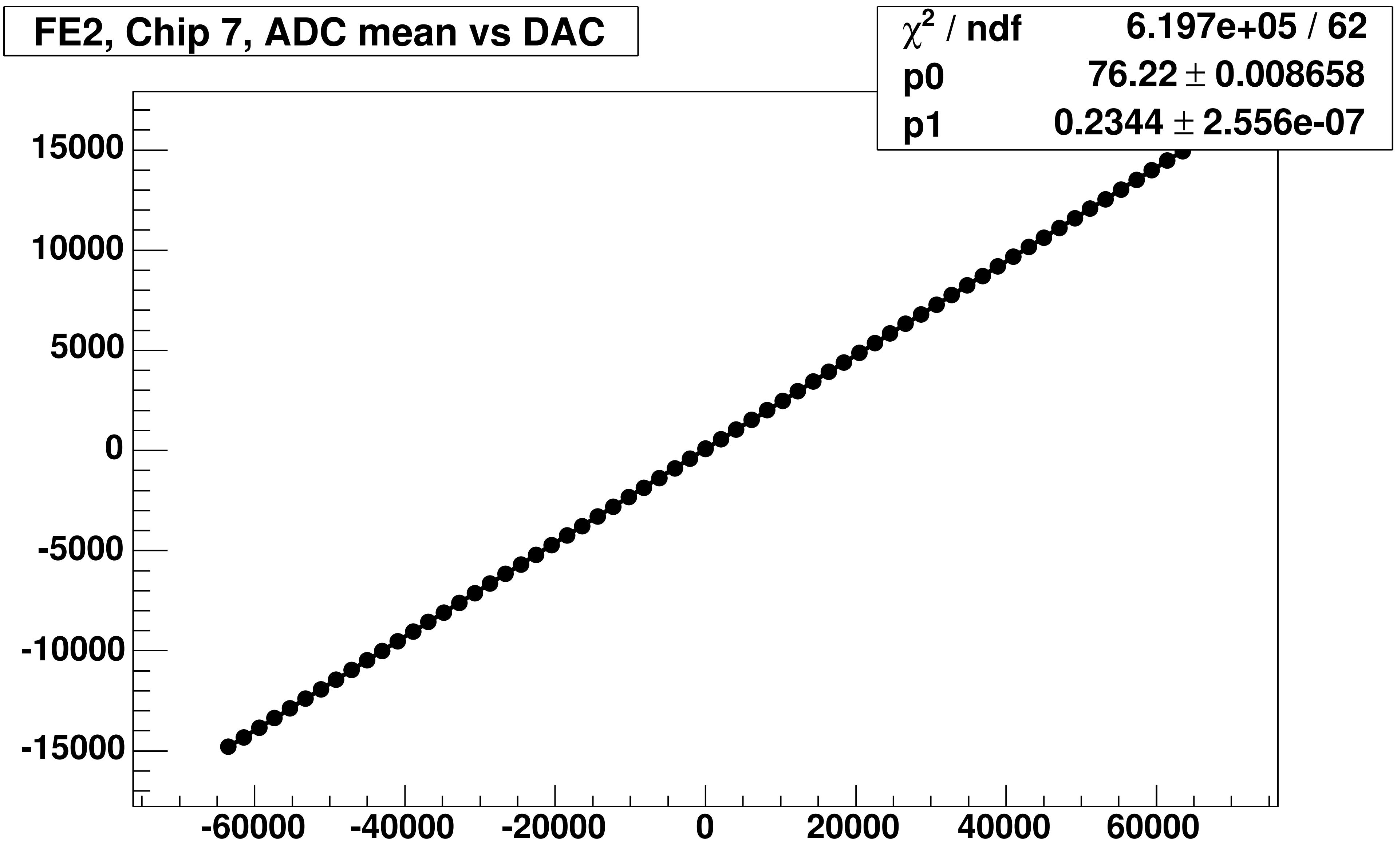
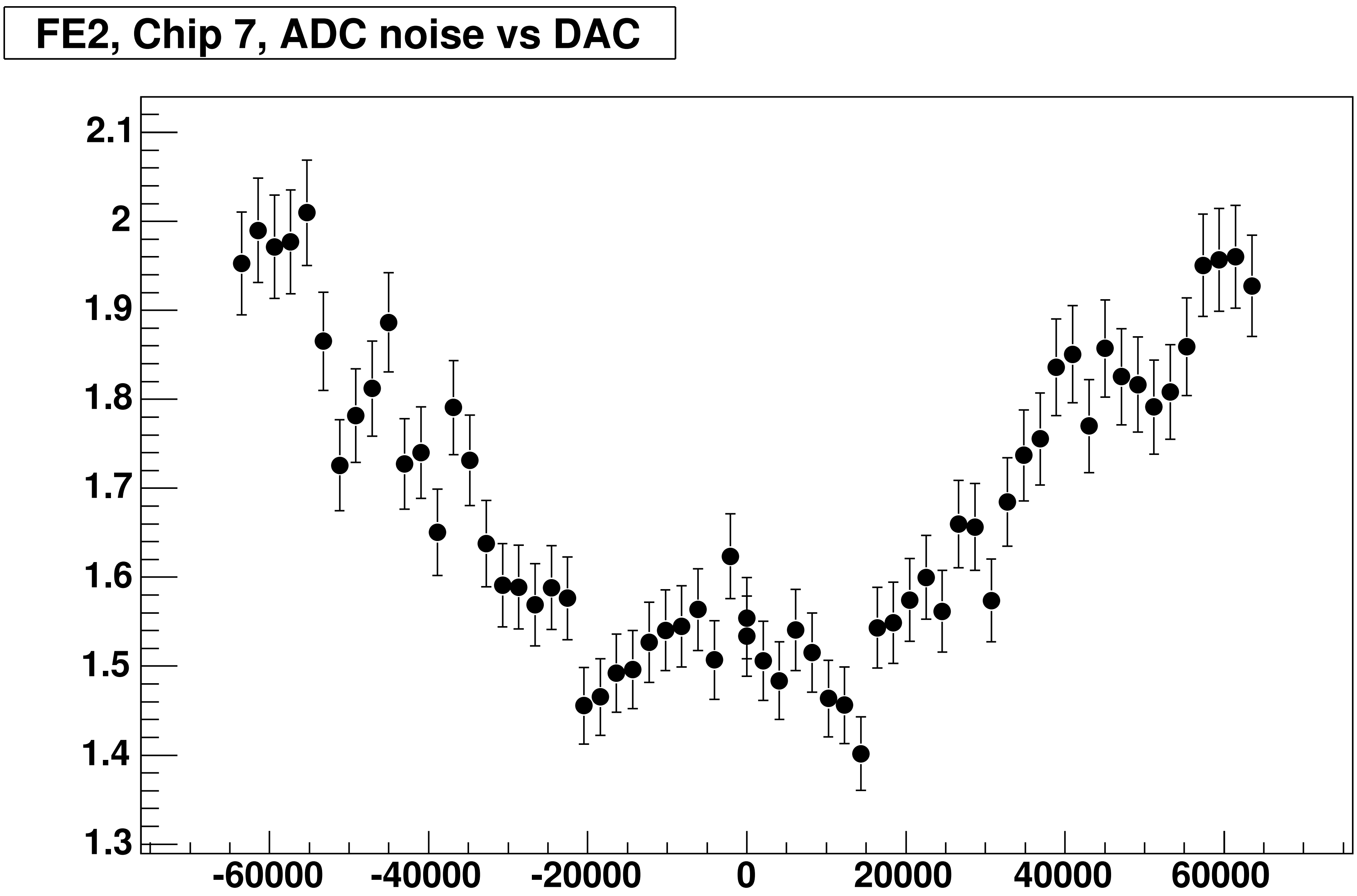
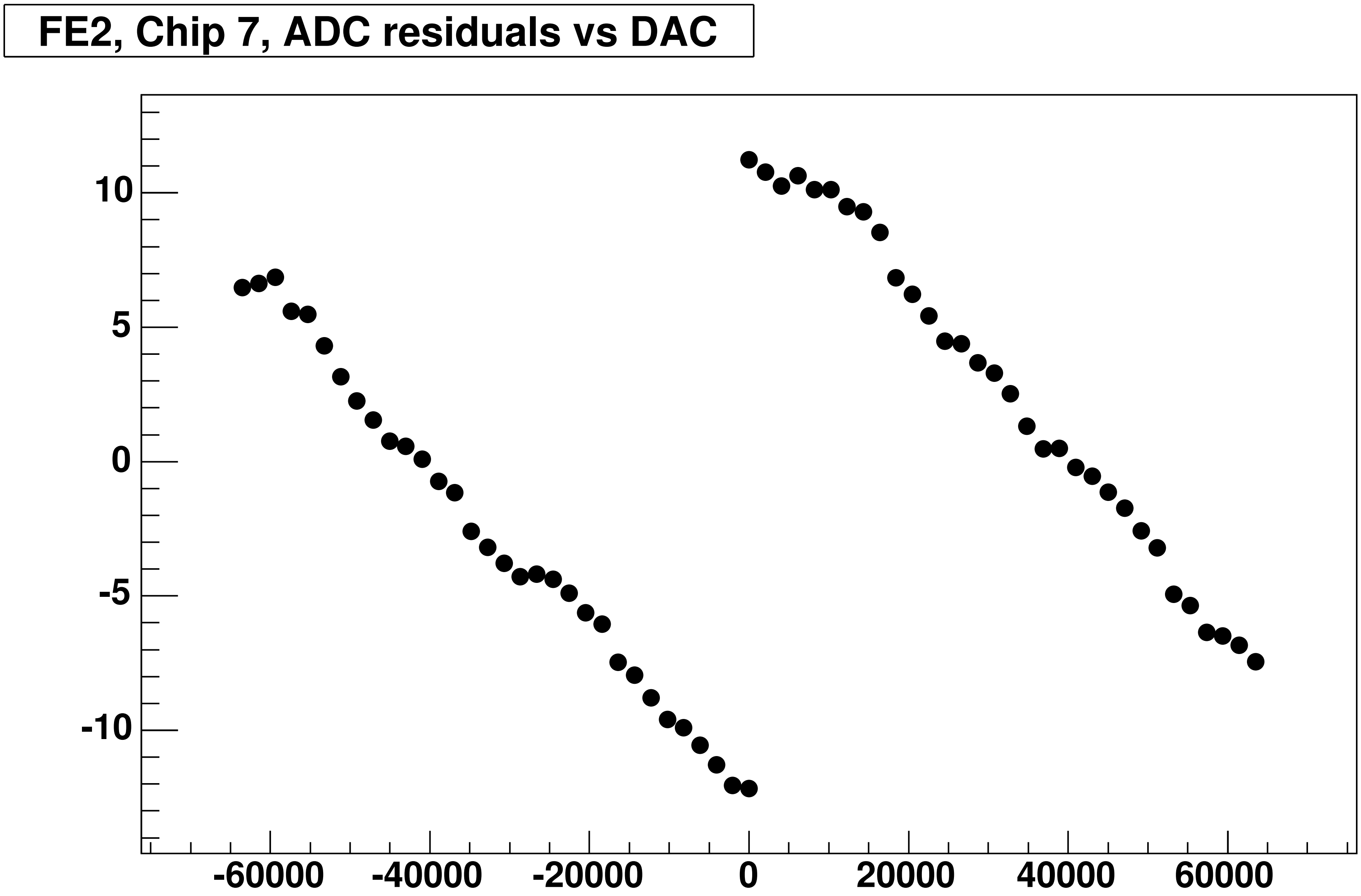
-60000
-40000
-20000
0
20000
40000
60000

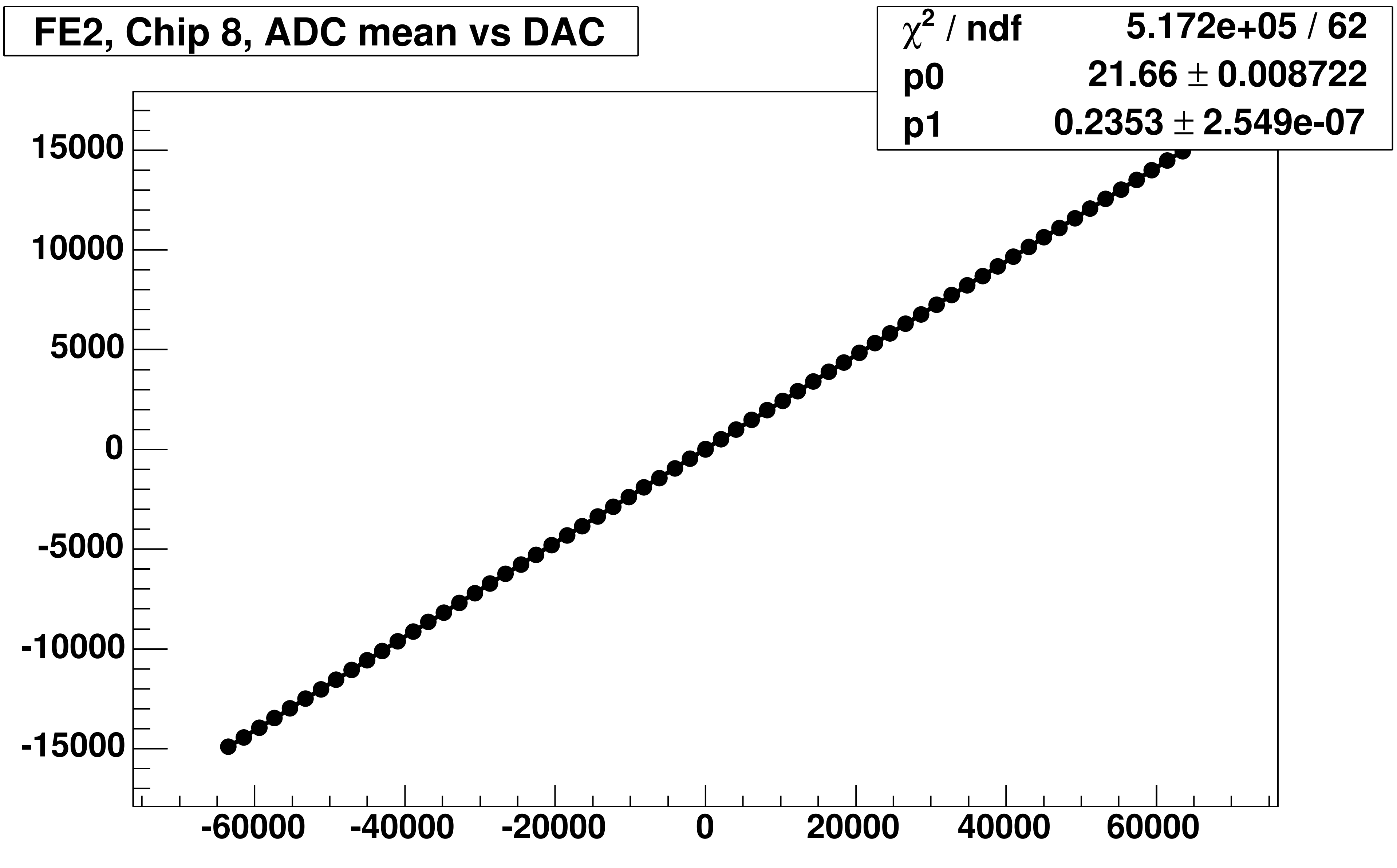

FE2, Chip 6, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 6, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

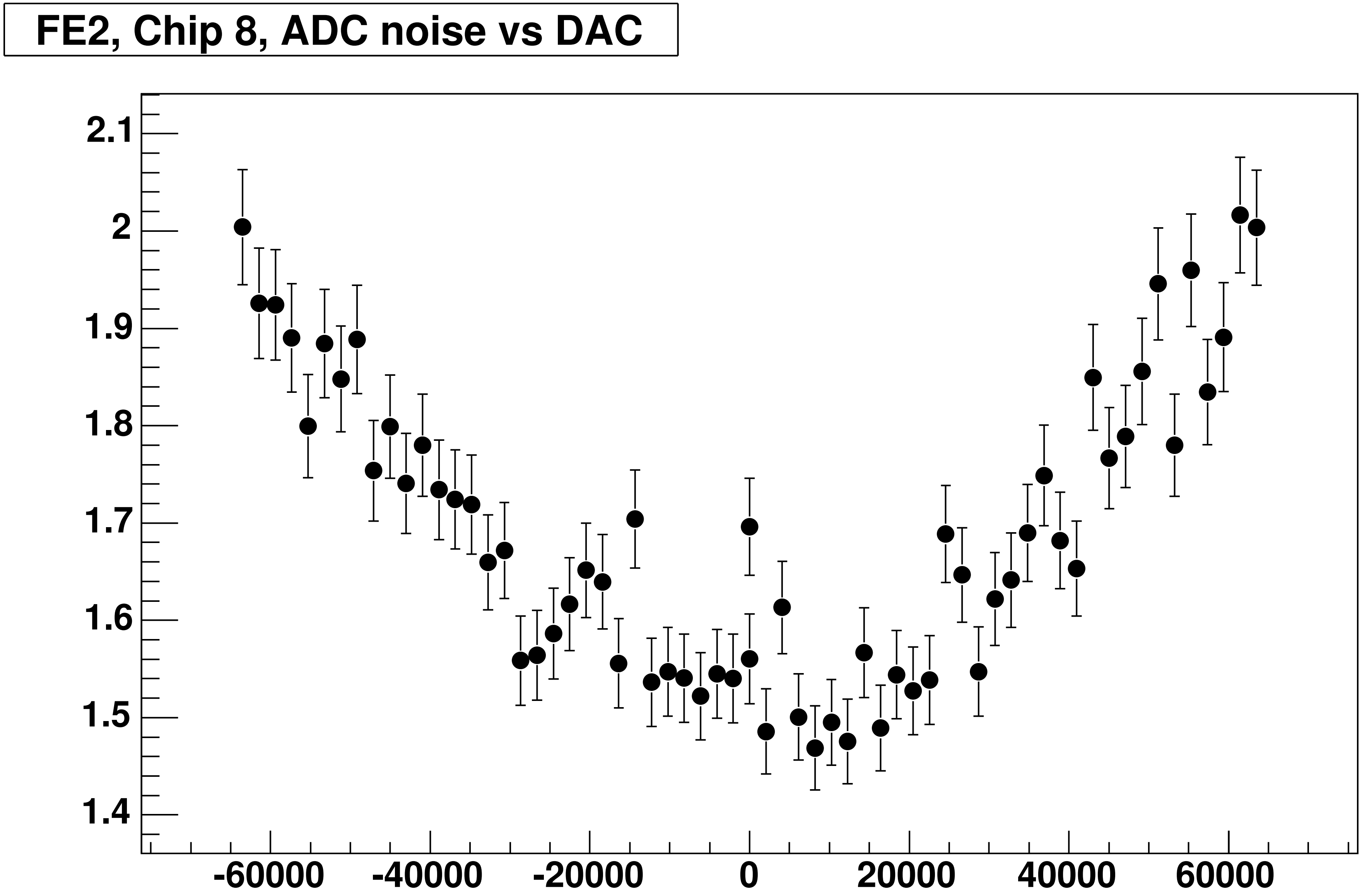

FE2, Chip 7, ADC mean vs DAC
χ^2 / ndf 6.197e+05 / 62
p0 76.22 ± 0.008658
p1 0.2344 ± 2.556e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

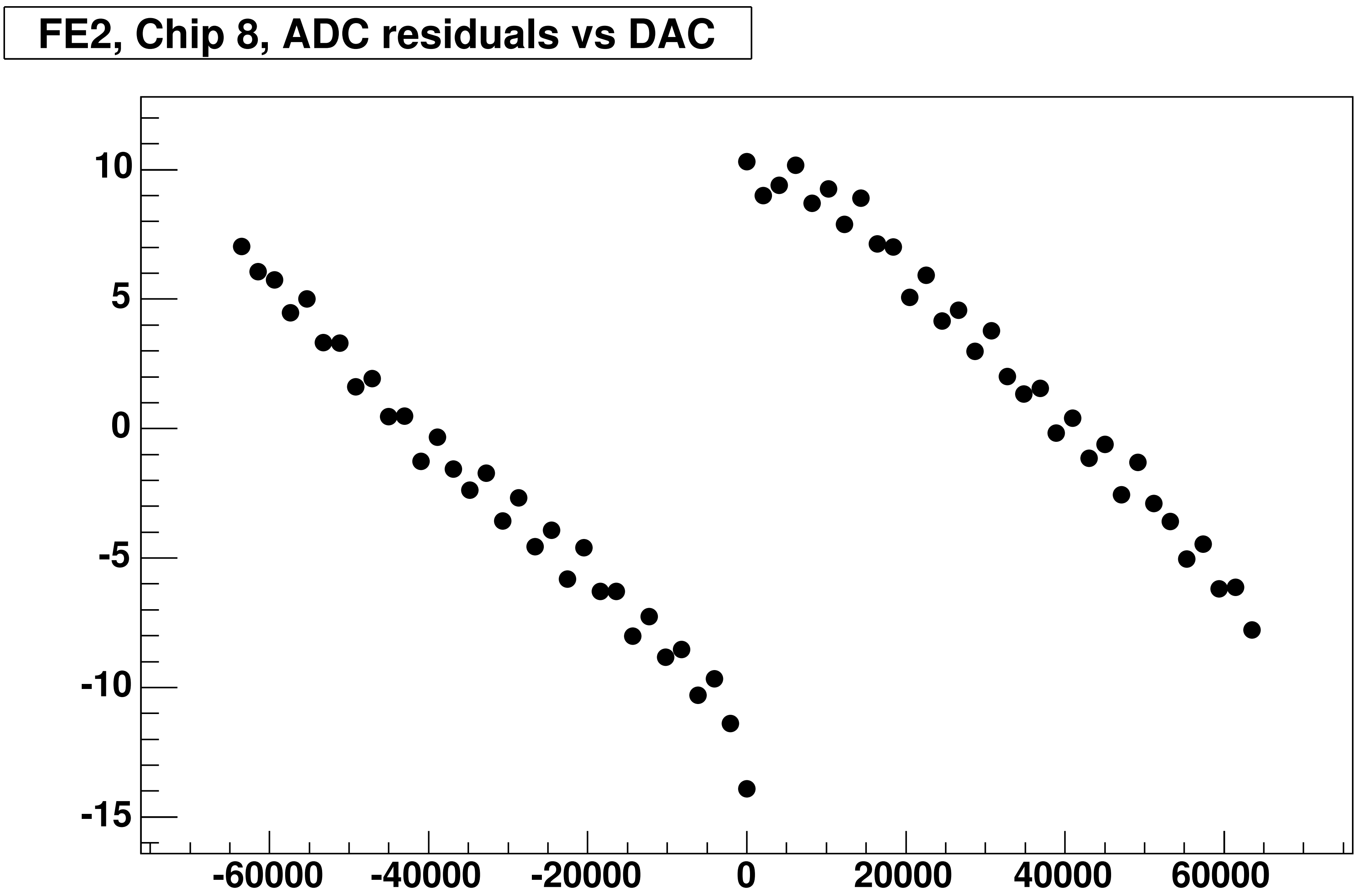

FE2, Chip 7, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

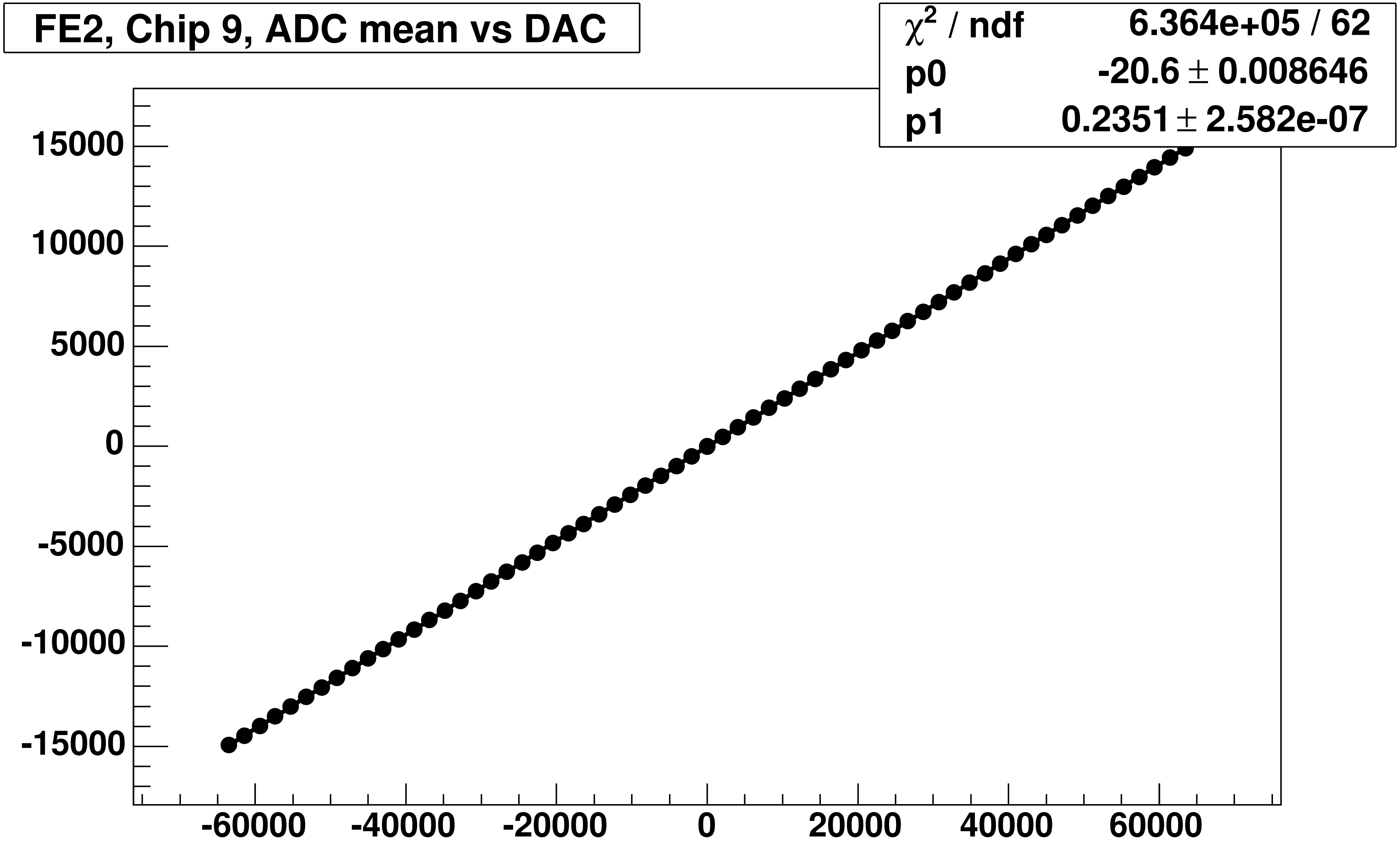

FE2, Chip 7, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000



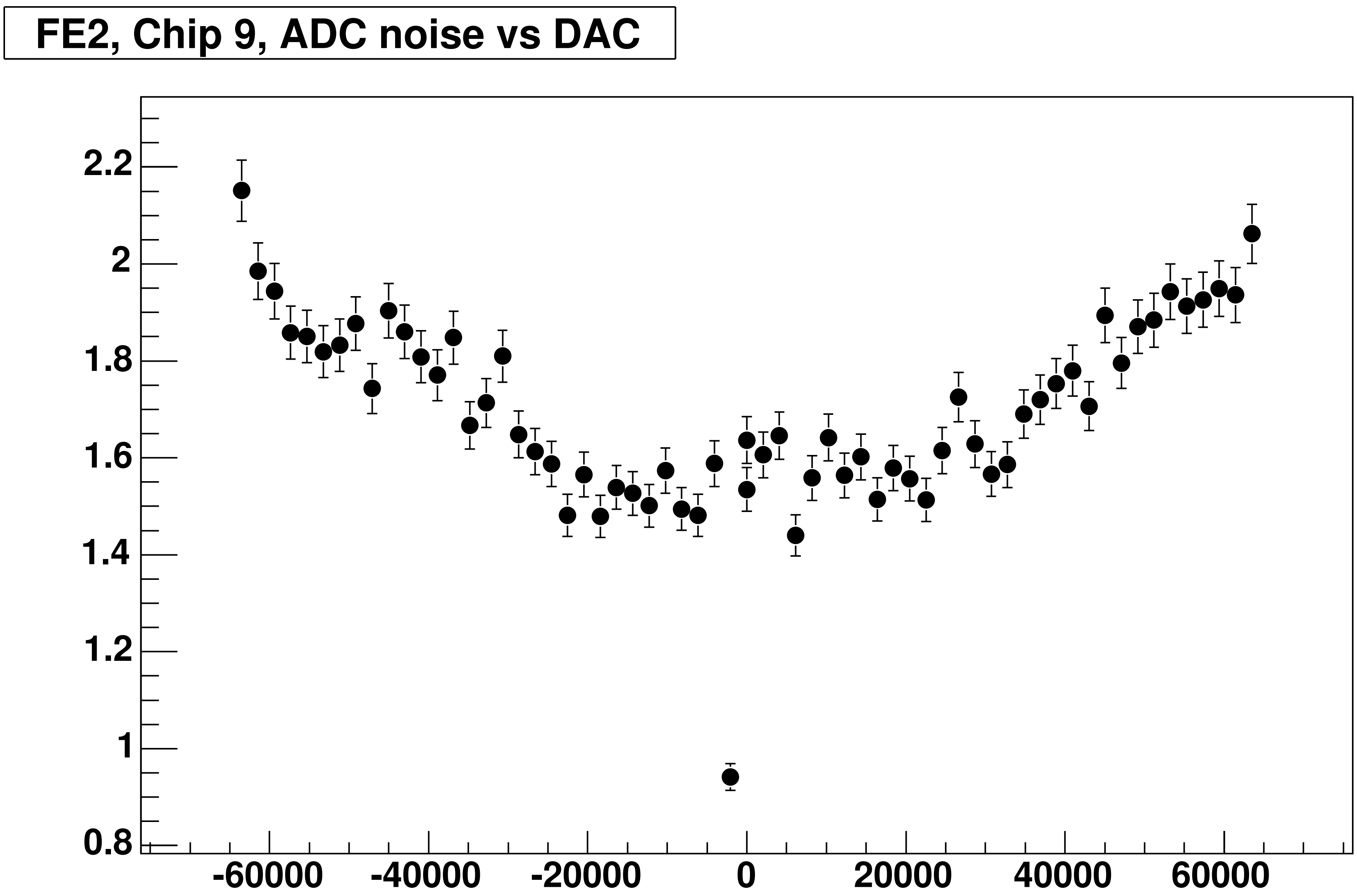
FE2, Chip 8, ADC mean vs DAC
χ^2 / ndf 5.172e+05 / 62
p0 21.66 ± 0.008722
p1 0.2353 ± 2.549e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

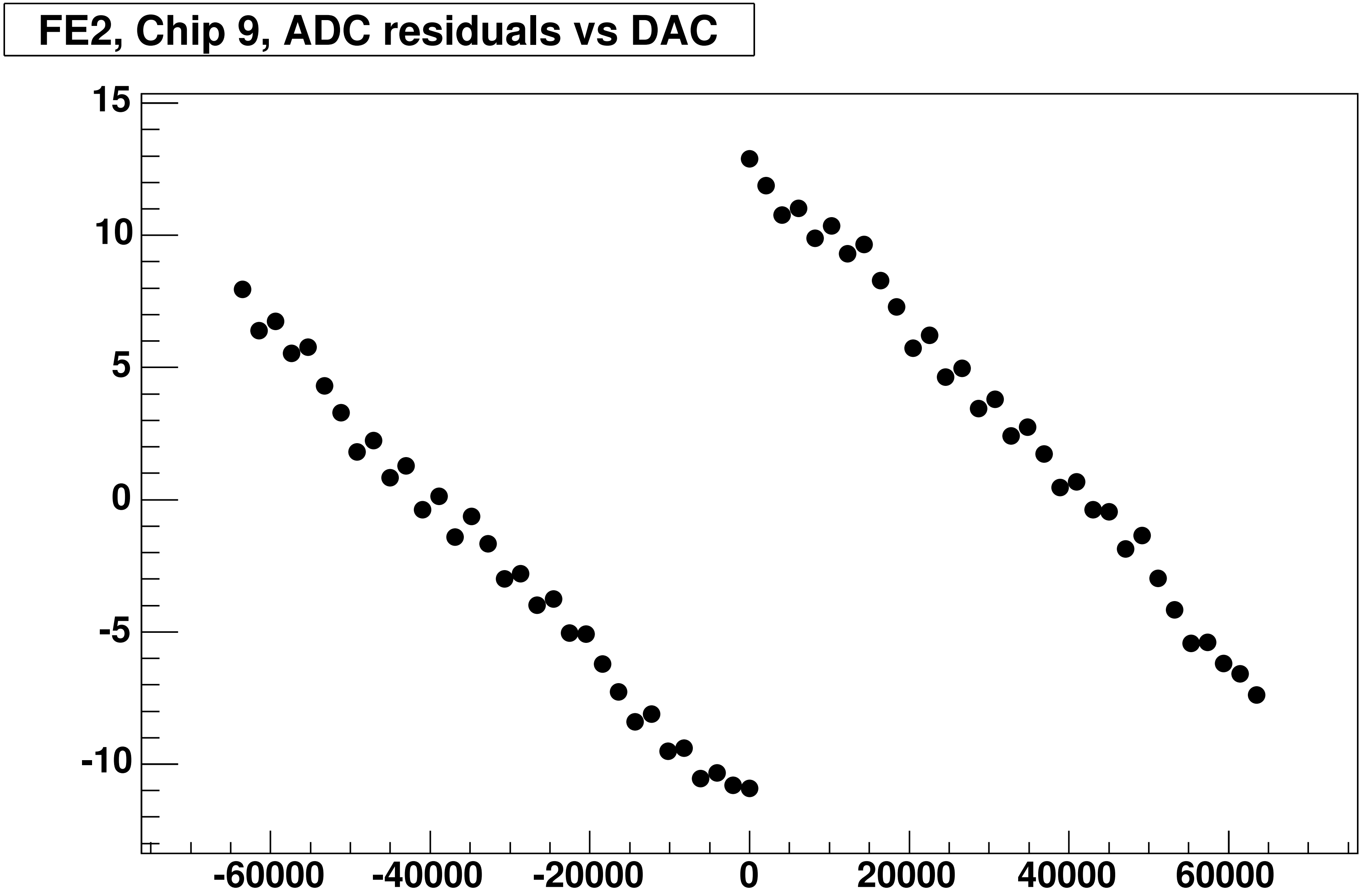

FE2, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

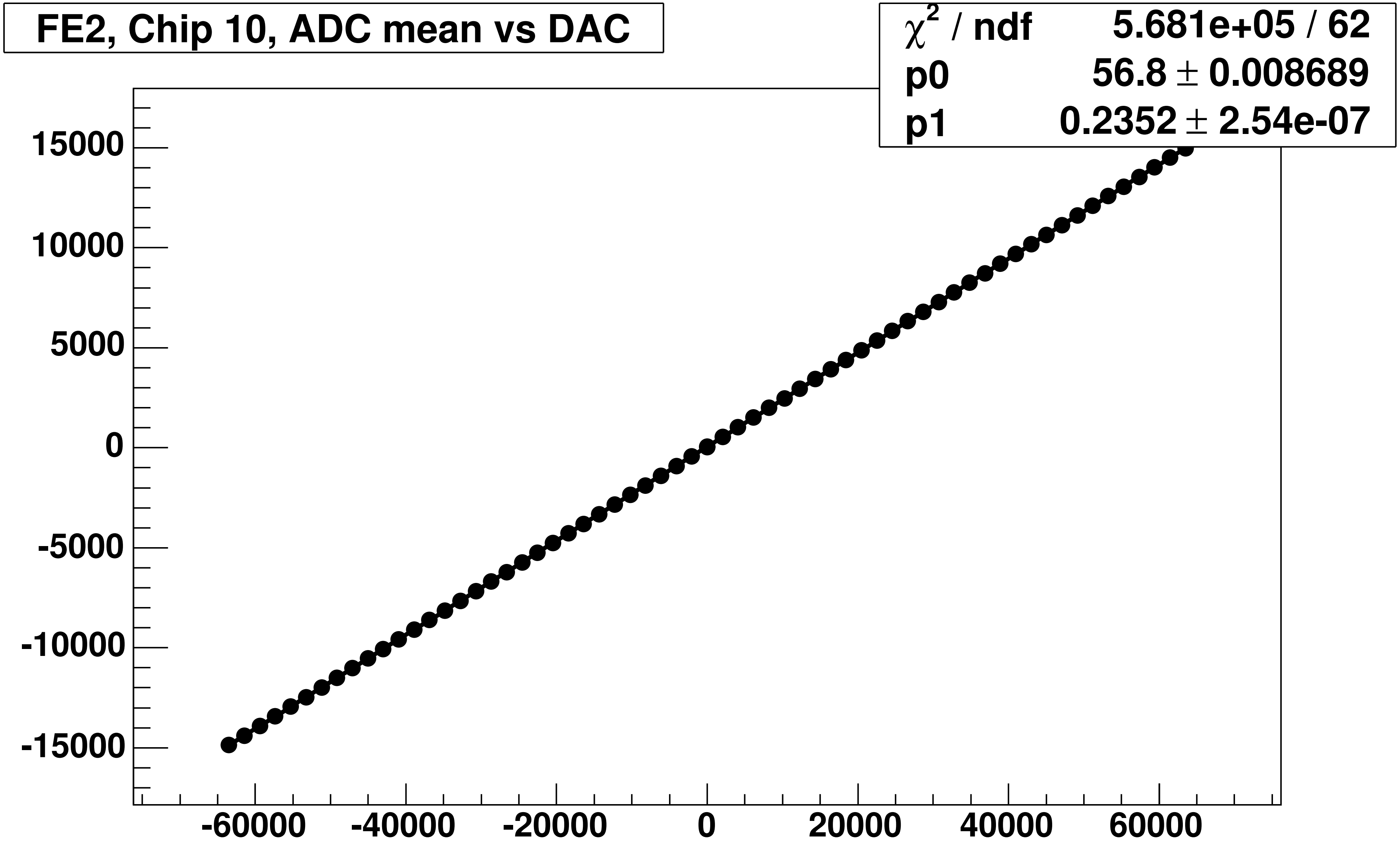

FE2, Chip 8, ADC residuals vs DAC
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

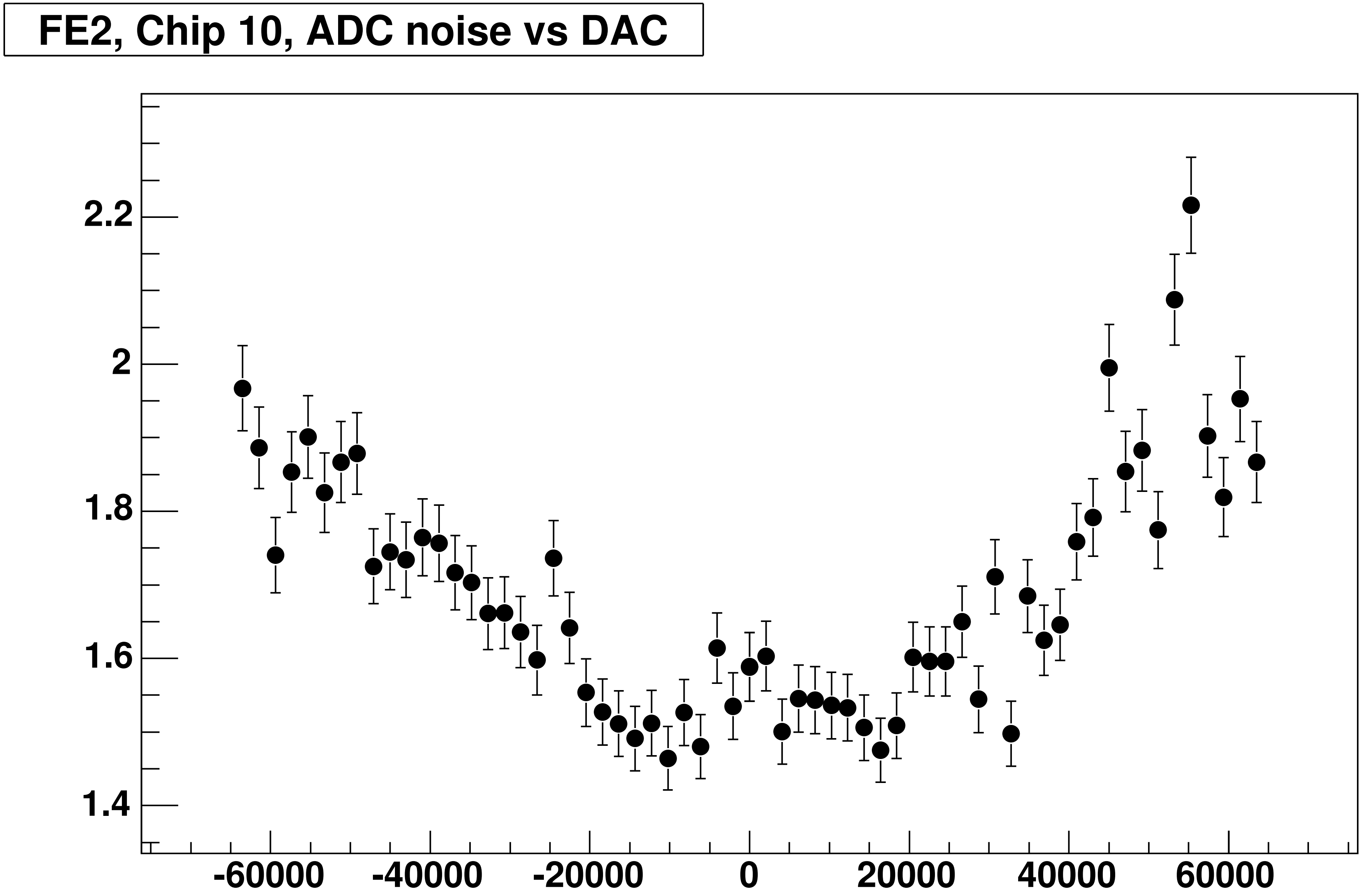


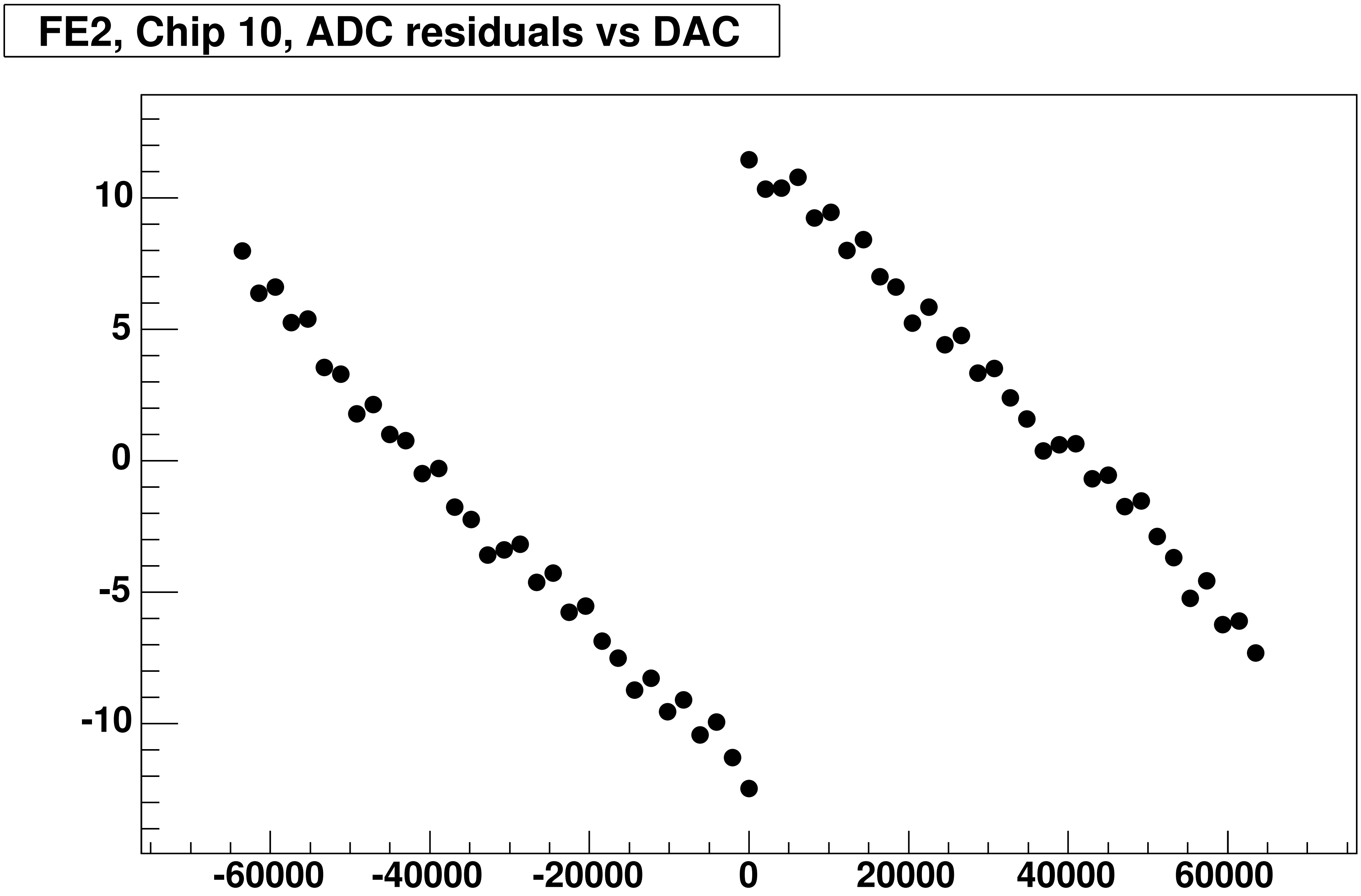
FE2, Chip 9, ADC mean vs DAC
χ^2 / ndf 6.364e+05 / 62
p0 -20.6 ± 0.008646
p1 0.2351 ± 2.582e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

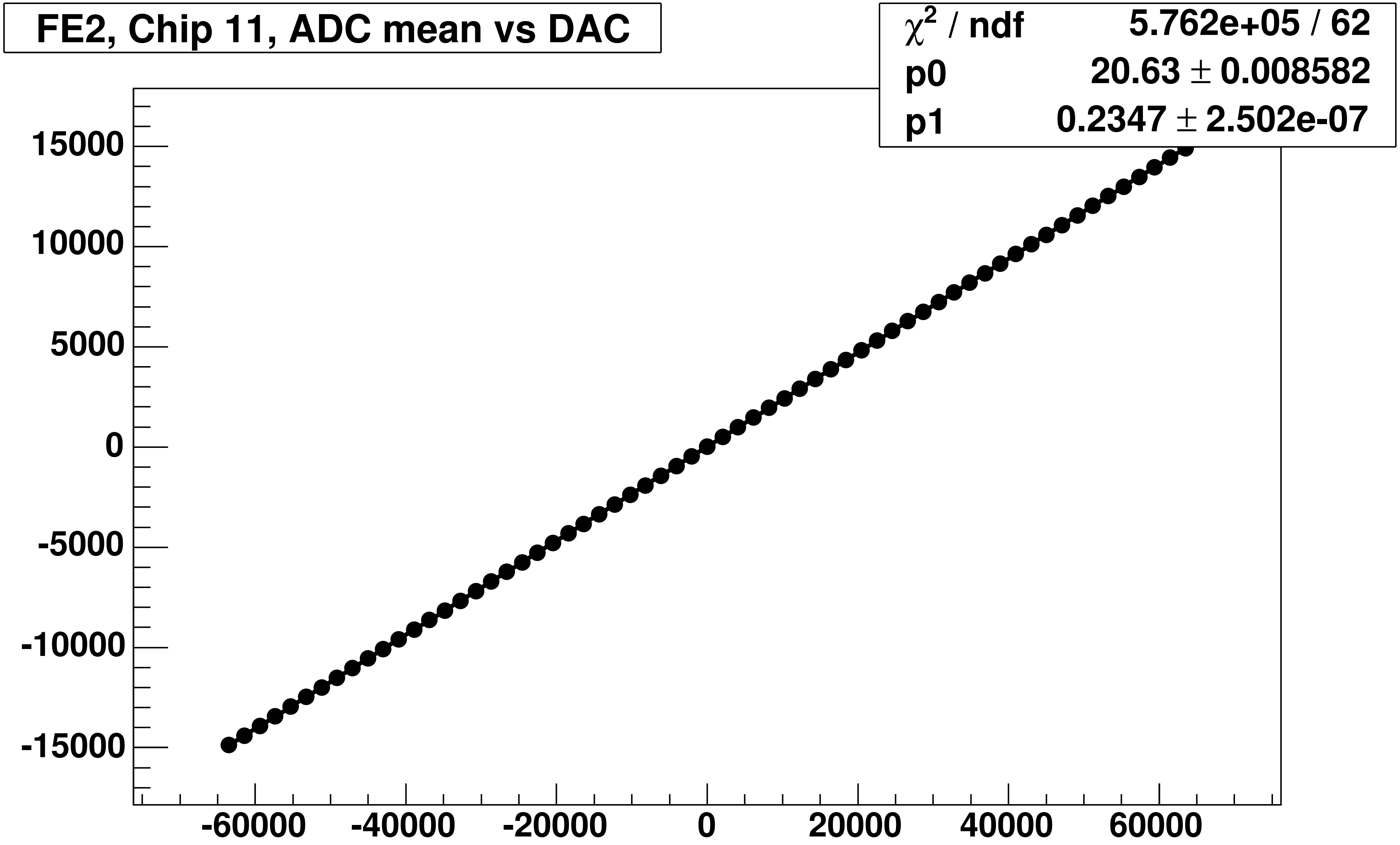

FE2, Chip 9, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
1
0.8
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 9, ADC residuals vs DAC
15
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000


FE2, Chip 10, ADC mean vs DAC
χ^2 / ndf 5.681e+05 / 62
p0 56.8 ± 0.008689
p1 0.2352 ± 2.54e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

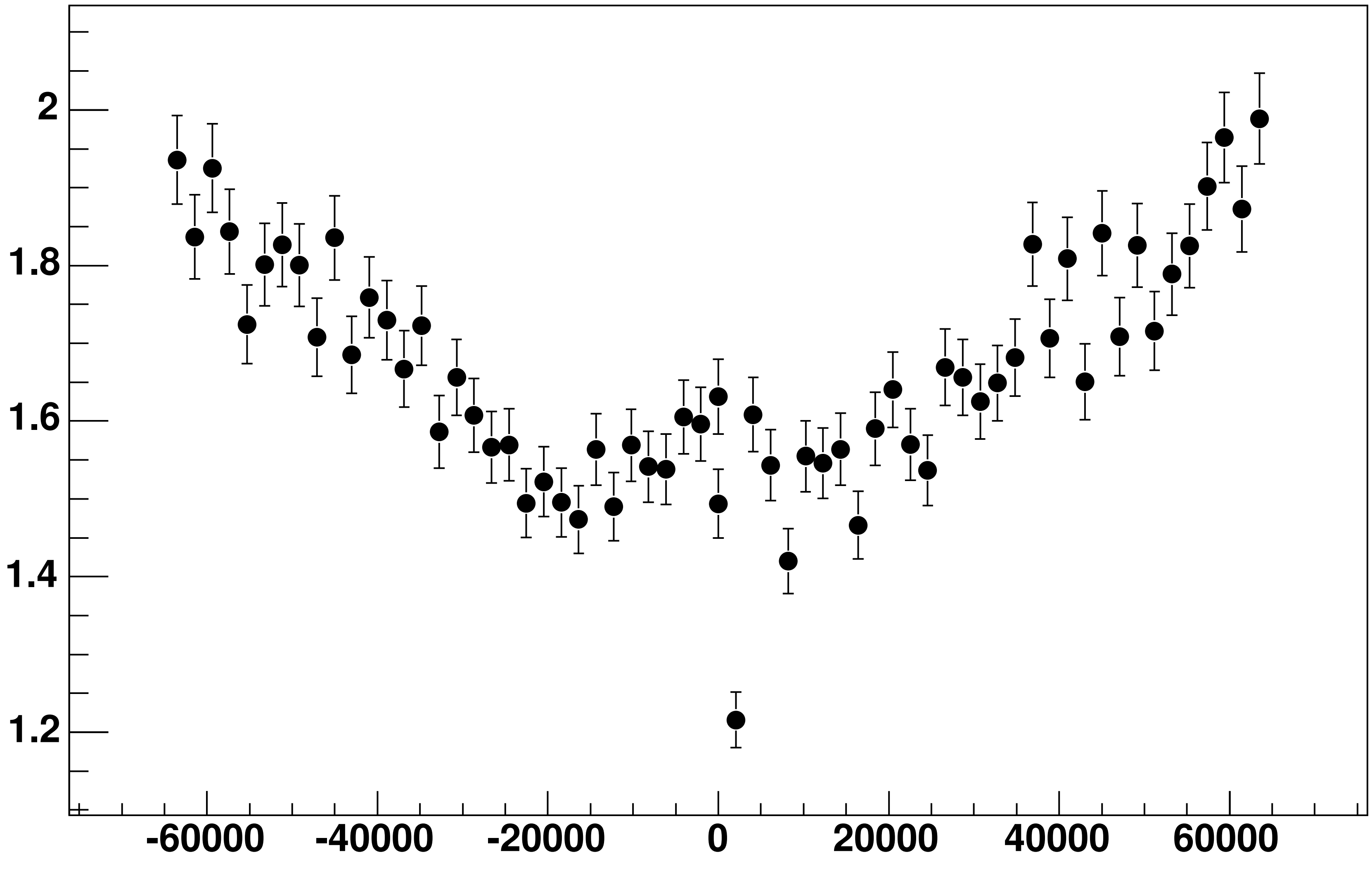

FE2, Chip 10, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

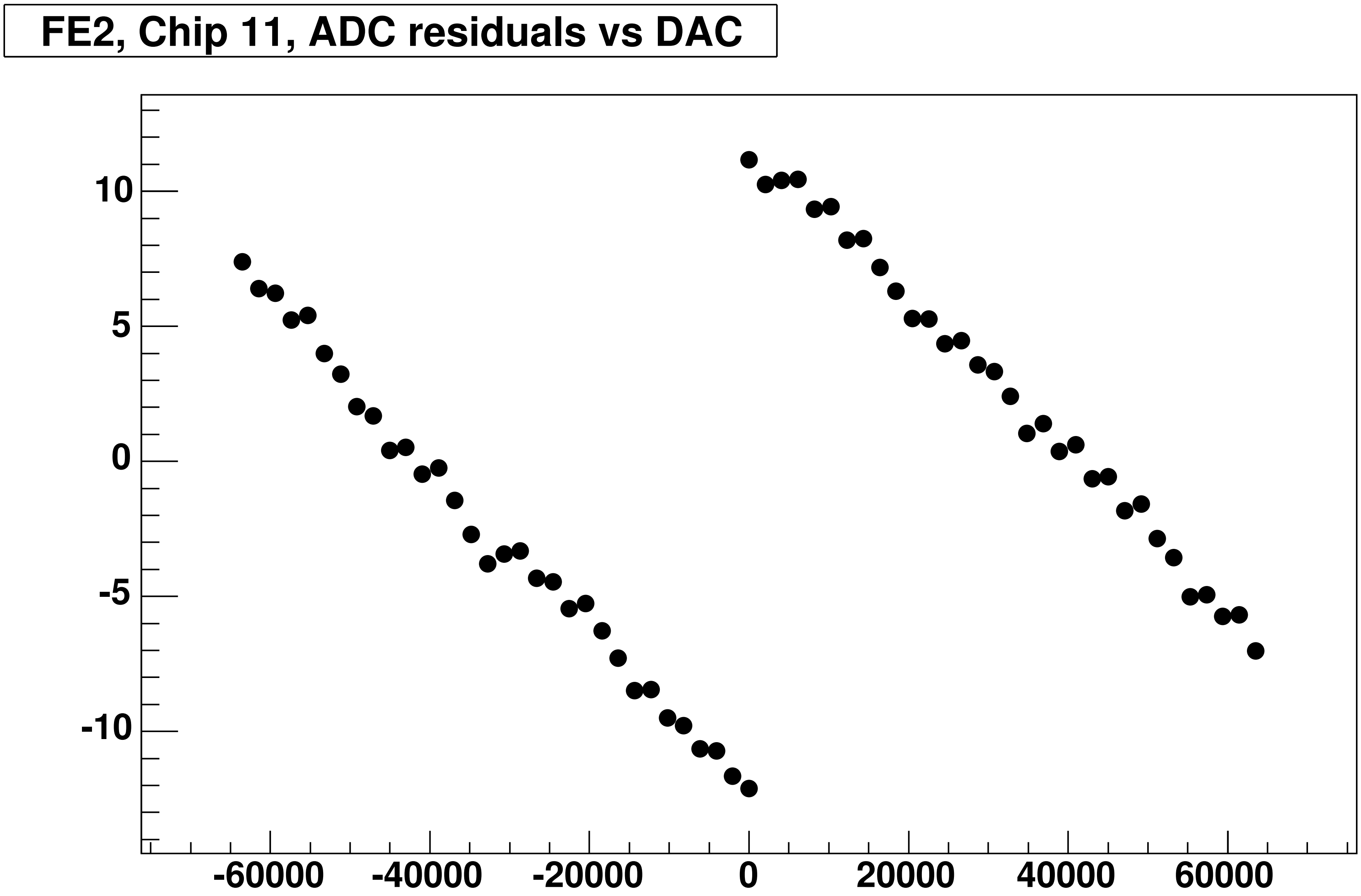

FE2, Chip 10, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000

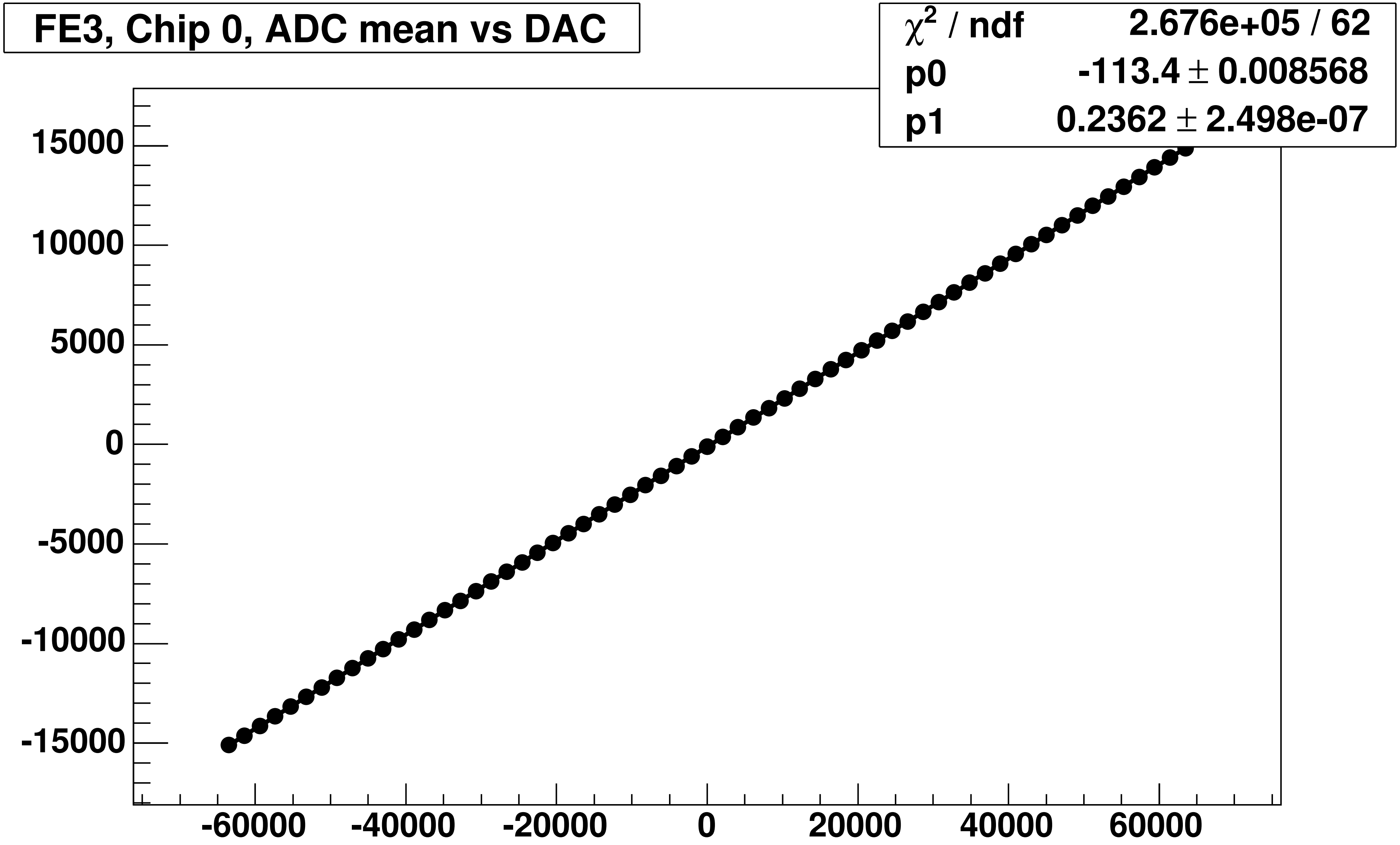


FE2, Chip 11, ADC mean vs DAC
χ^2 / ndf 5.762e+05 / 62
p0 20.63 ± 0.008582
p1 0.2347 ± 2.502e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

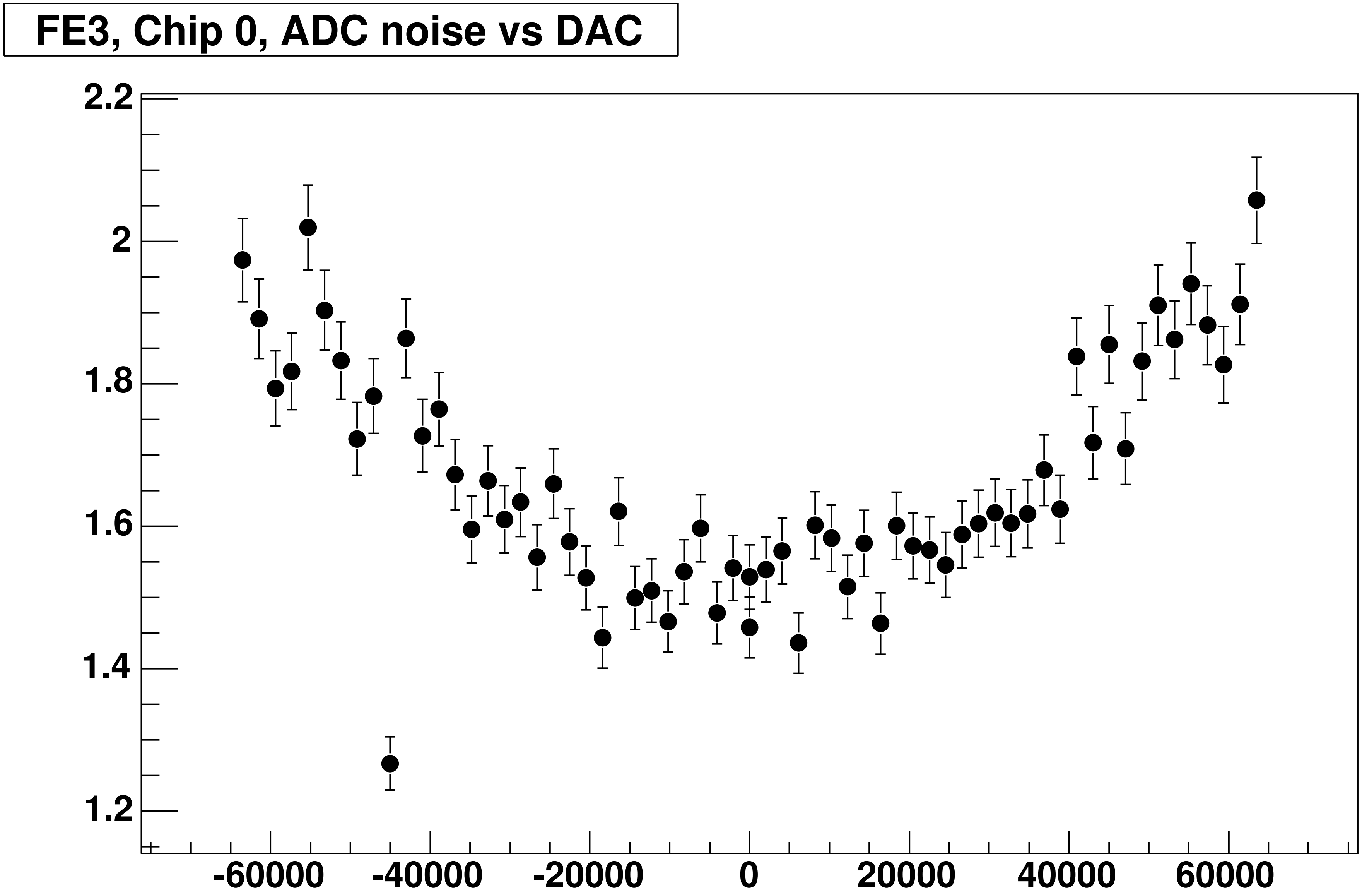
FE2, Chip 11, ADC noise vs DAC

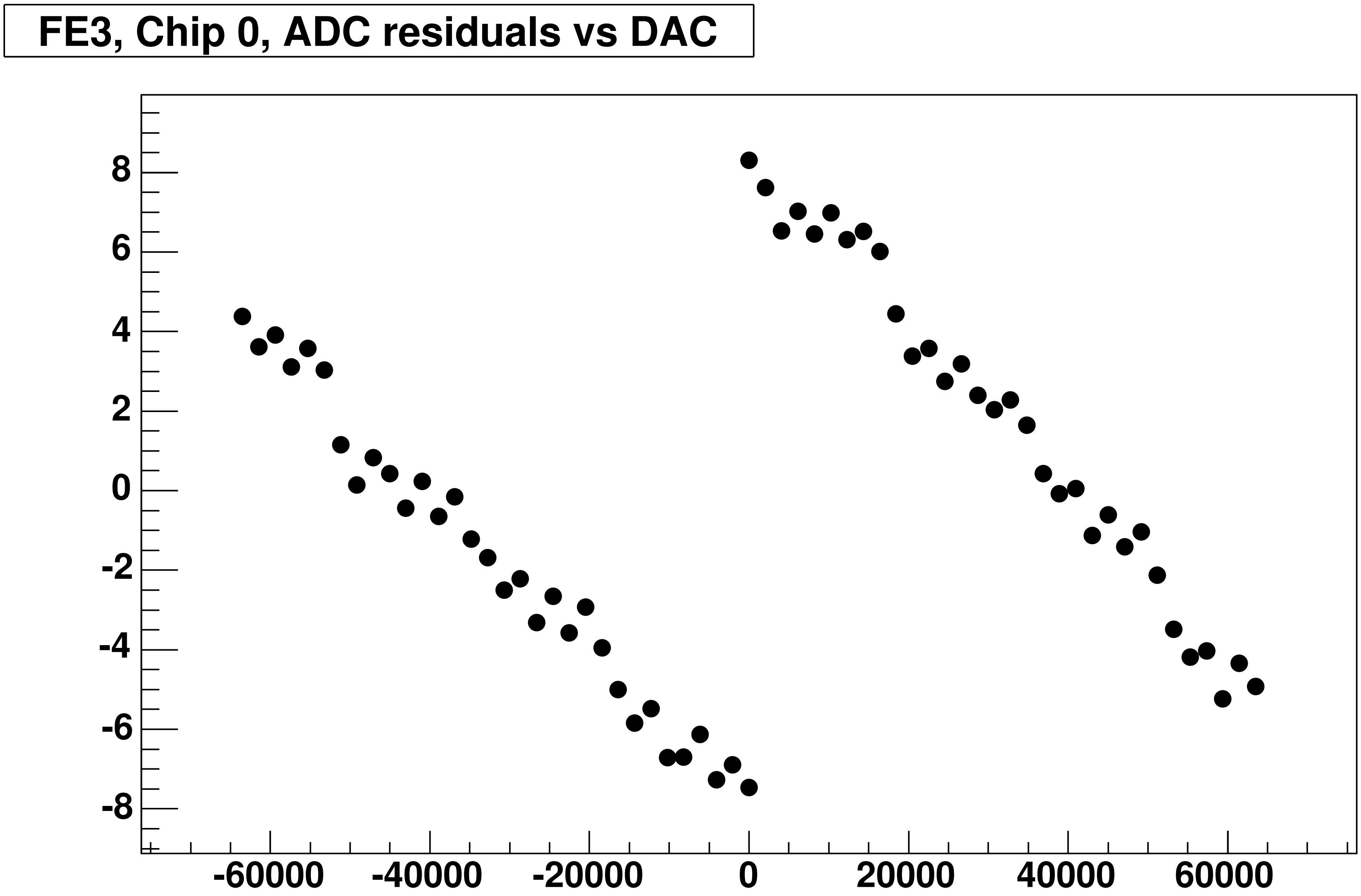


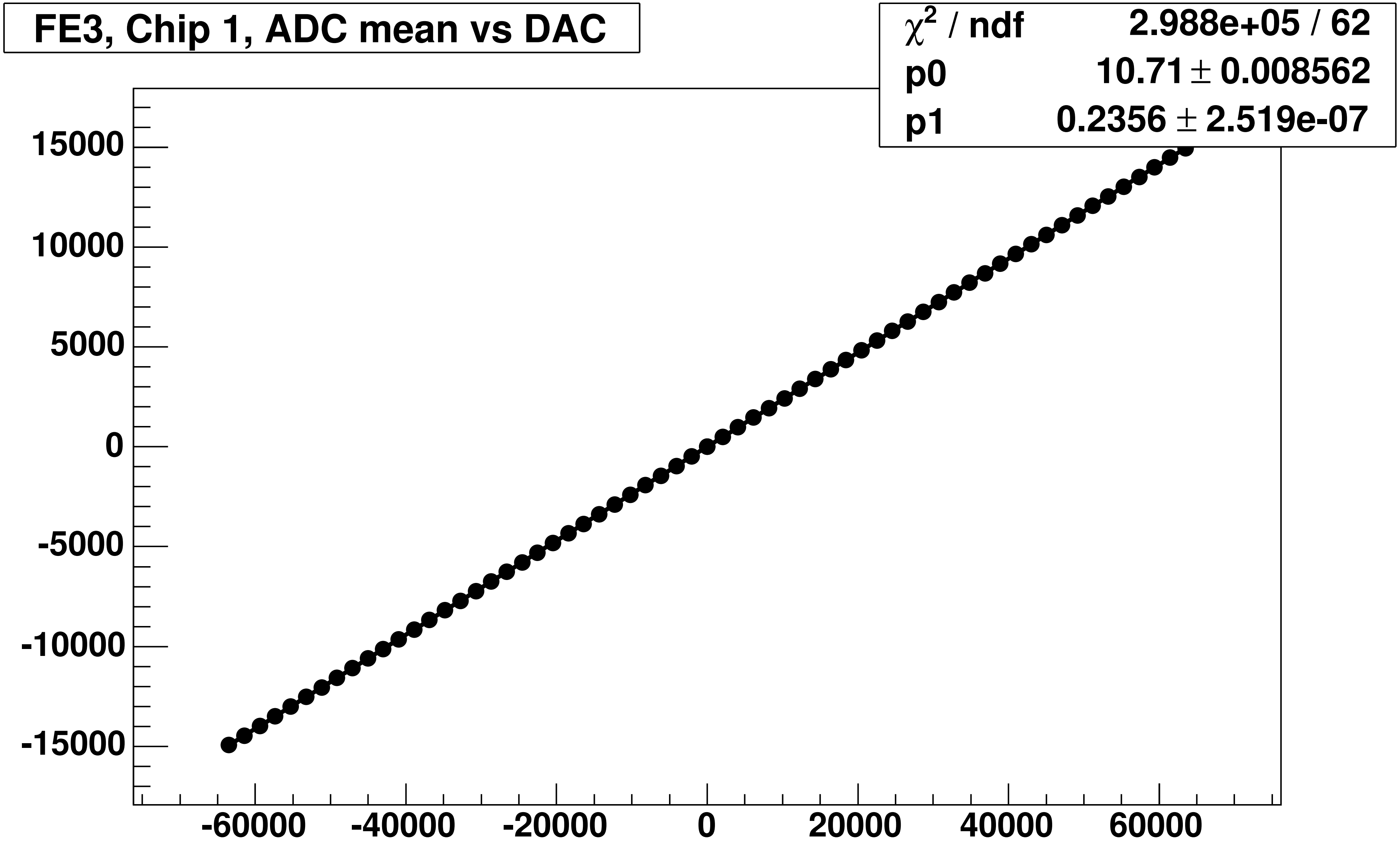

FE2, Chip 11, ADC residuals vs DAC
10
5
0
-5
-10
-60000
-40000
-20000
0
20000
40000
60000



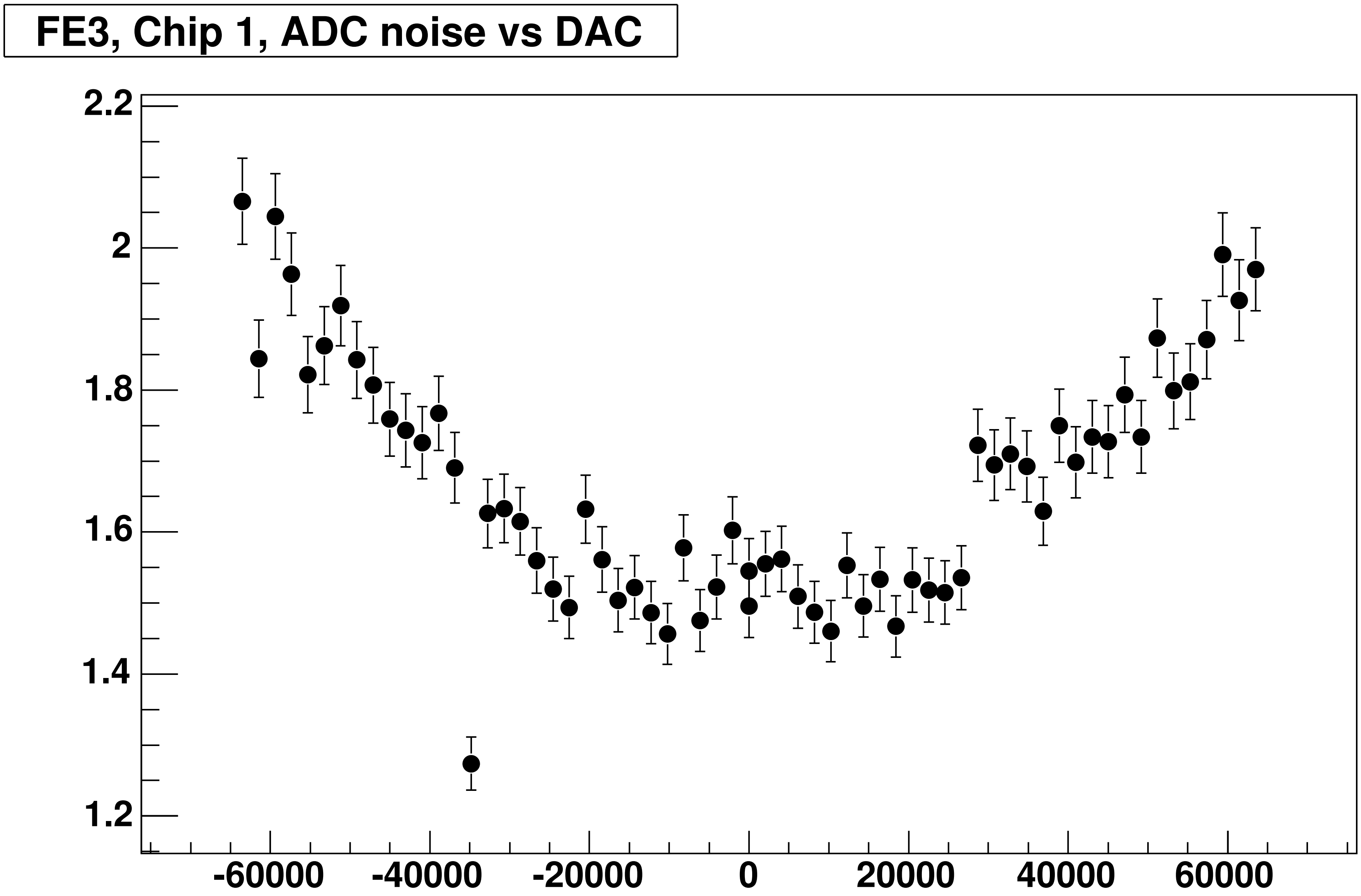
FE3, Chip 0, ADC mean vs DAC
χ^2 / ndf 2.676e+05 / 62
p0 -113.4 ± 0.008568
p1 0.2362 ± 2.498e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

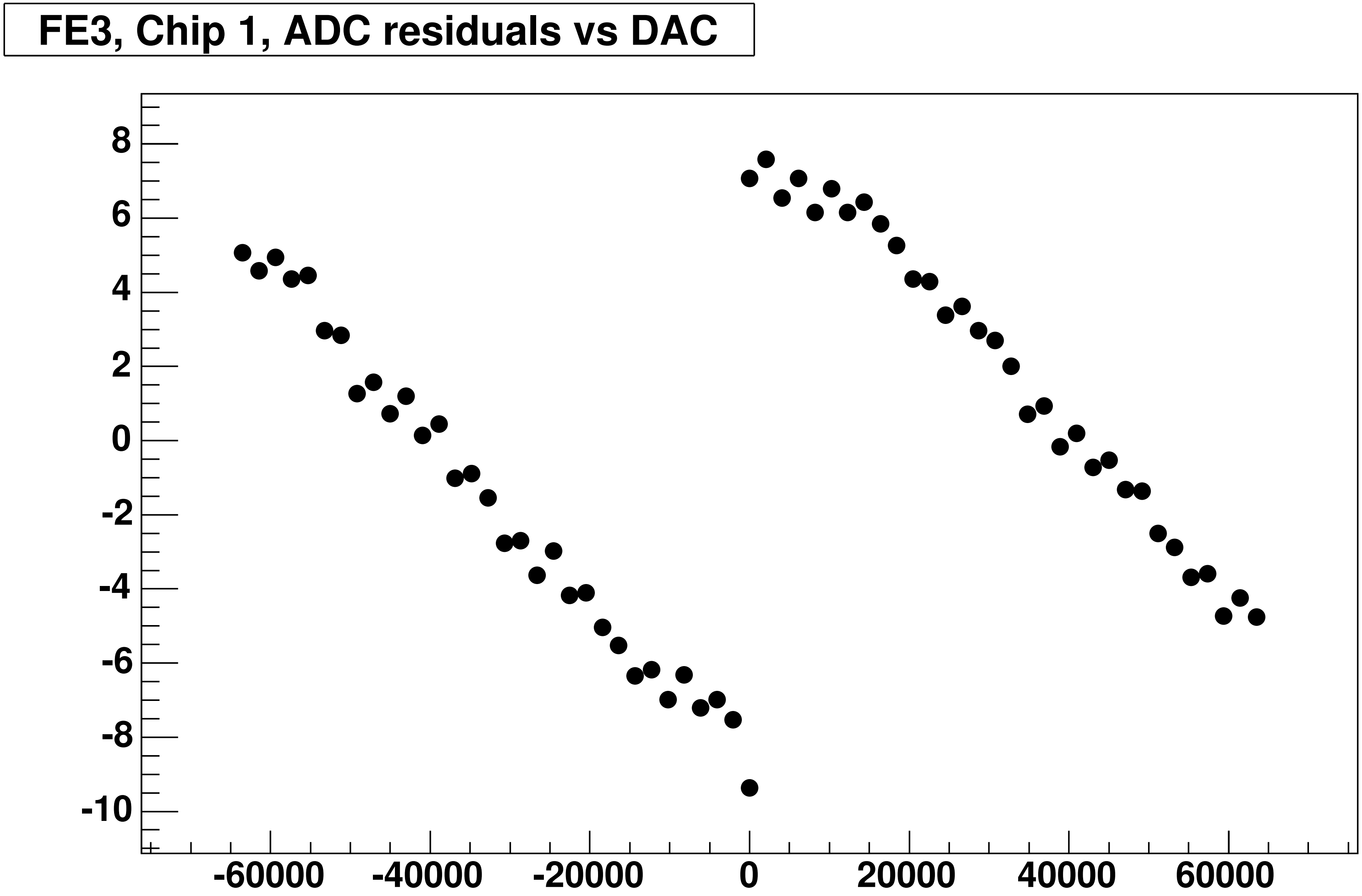

FE3, Chip 0, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000

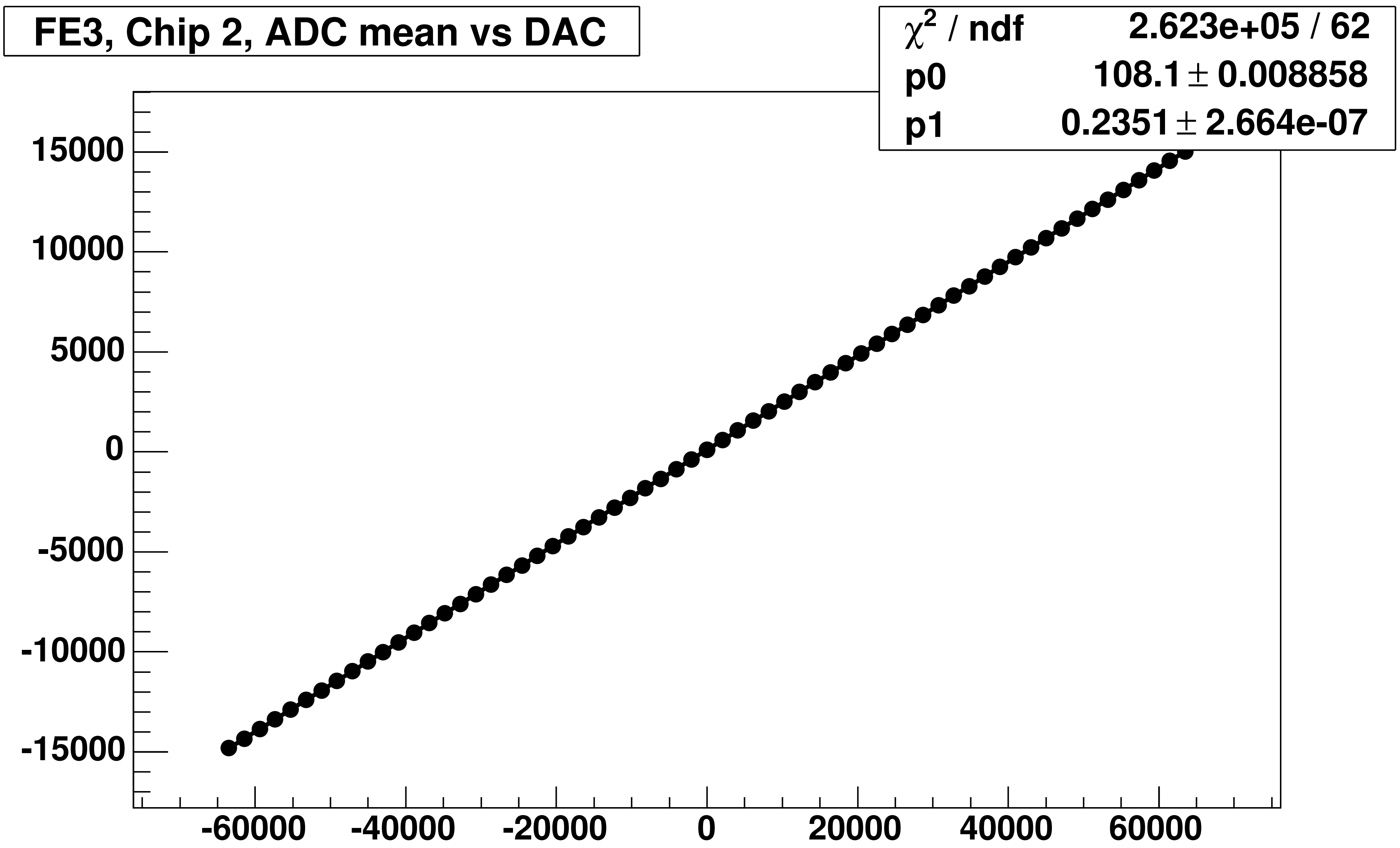

FE3, Chip 0, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-60000
-40000
-20000
0
20000
40000
60000

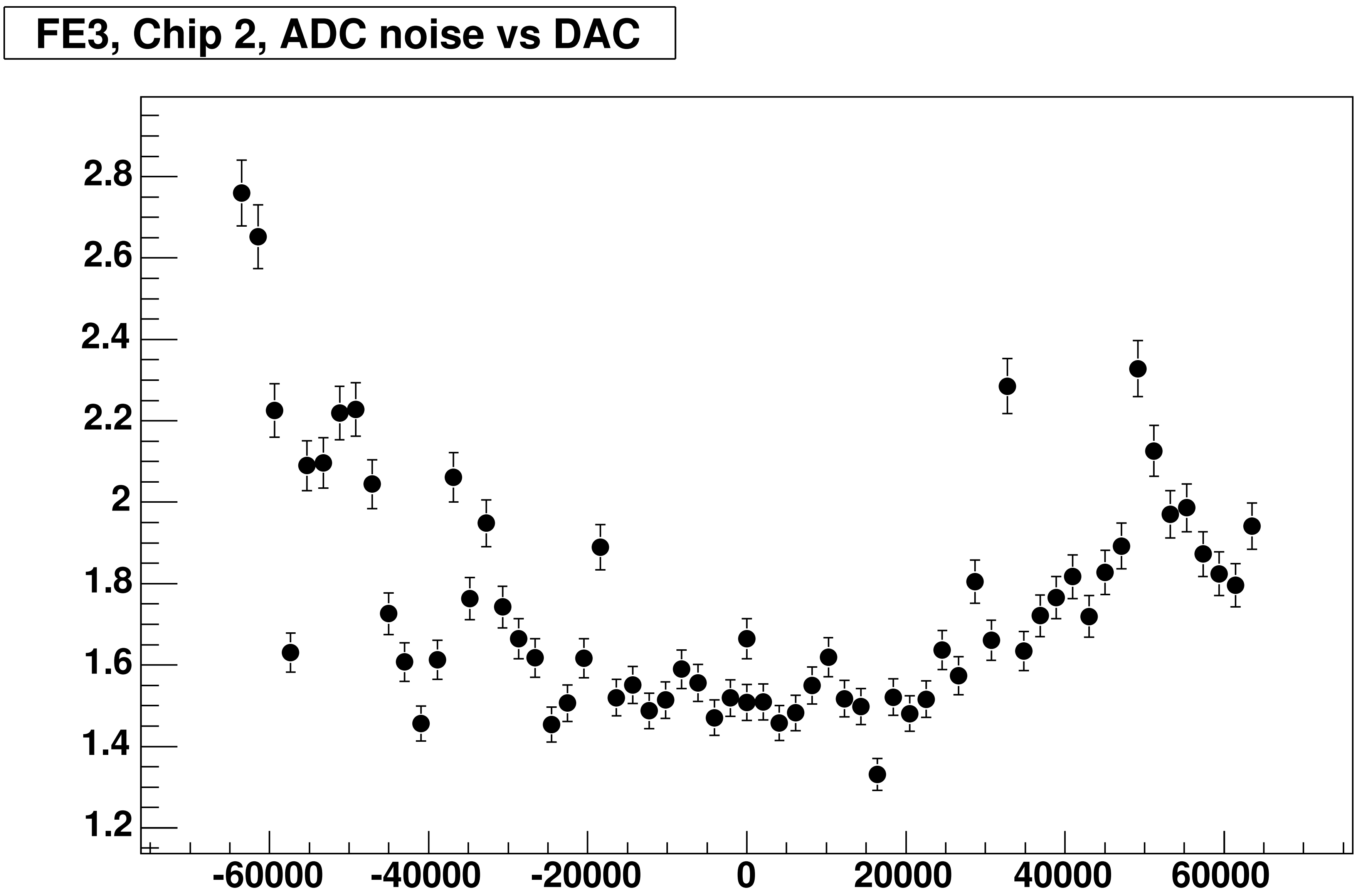


FE3, Chip 1, ADC mean vs DAC
χ^2 / ndf 2.988e+05 / 62
p0 10.71 ± 0.008562
p1 0.2356 ± 2.519e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

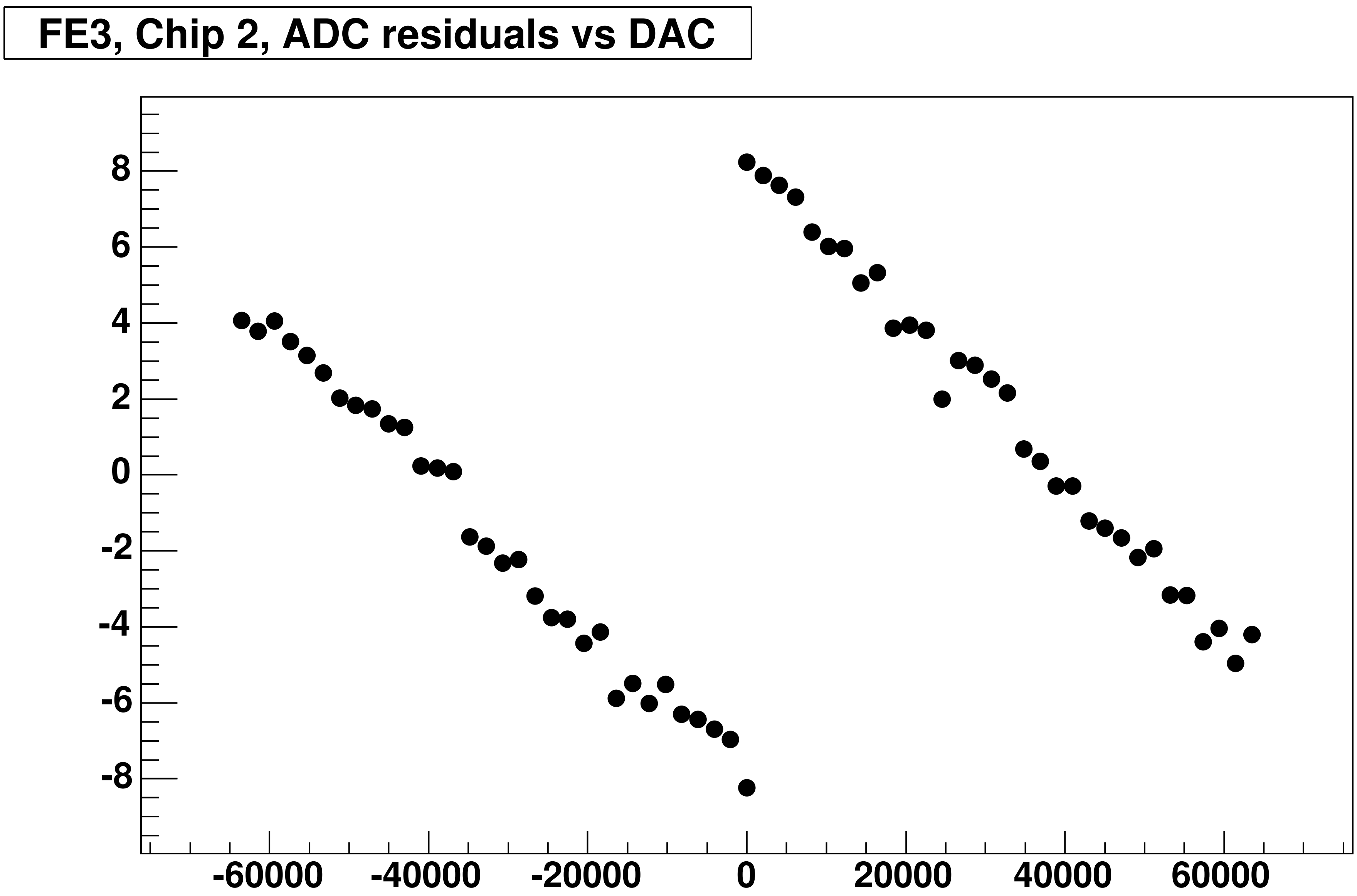

FE3, Chip 1, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000

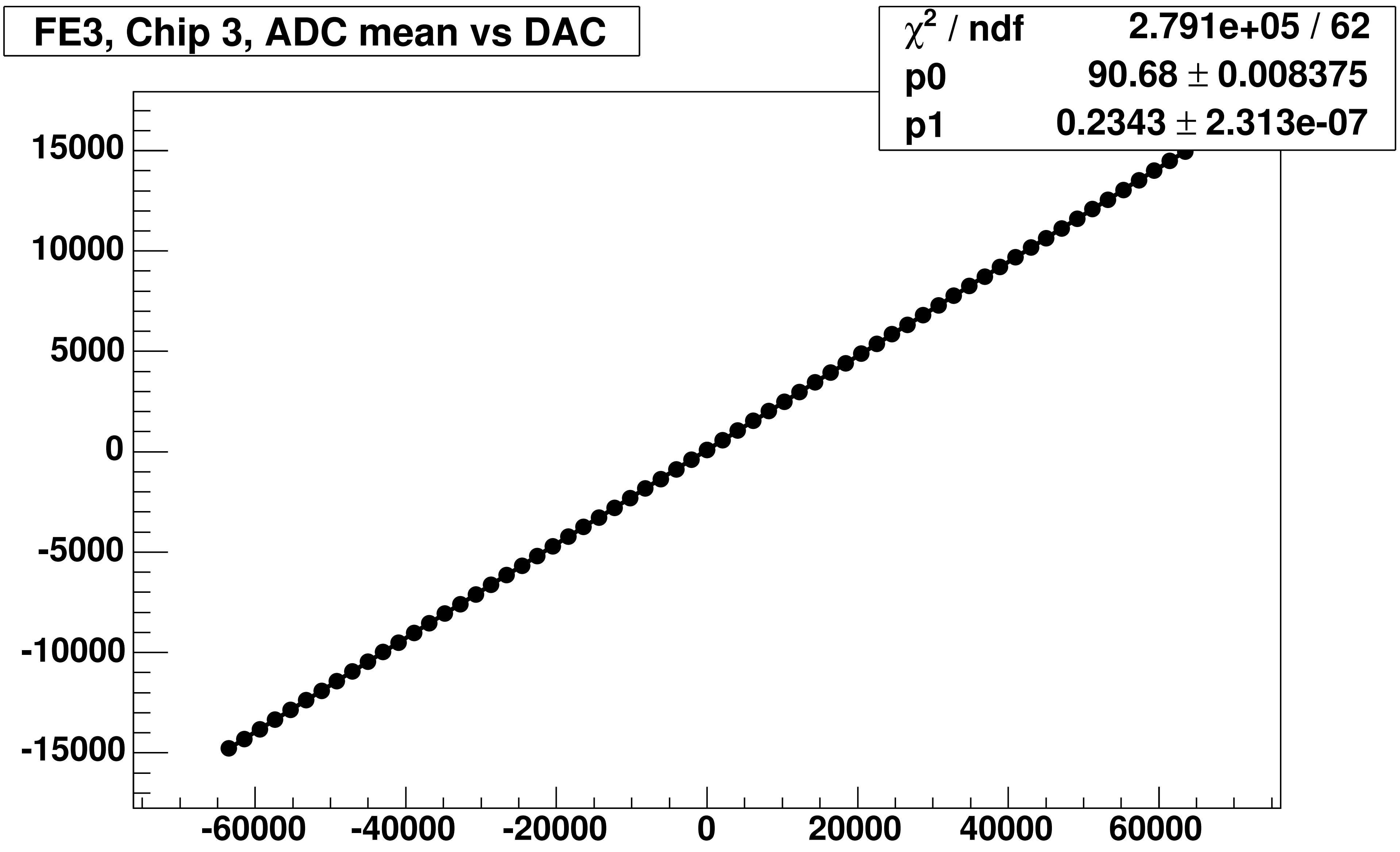

FE3, Chip 1, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-10
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 2, ADC mean vs DAC
χ2 / ndf 2.623e+05 / 62
p0 108.1 ± 0.008858
p1 0.2351 ± 2.664e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

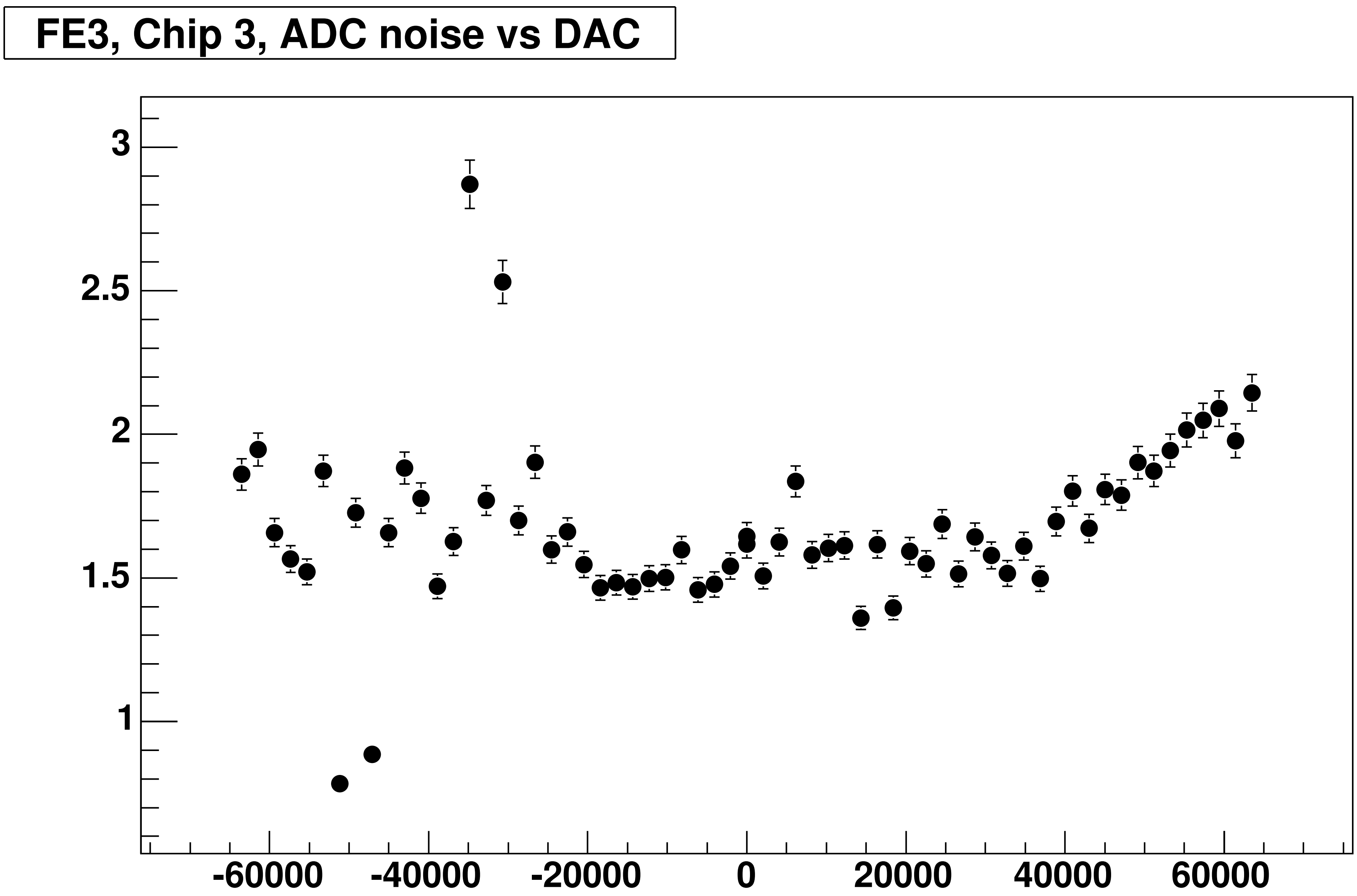


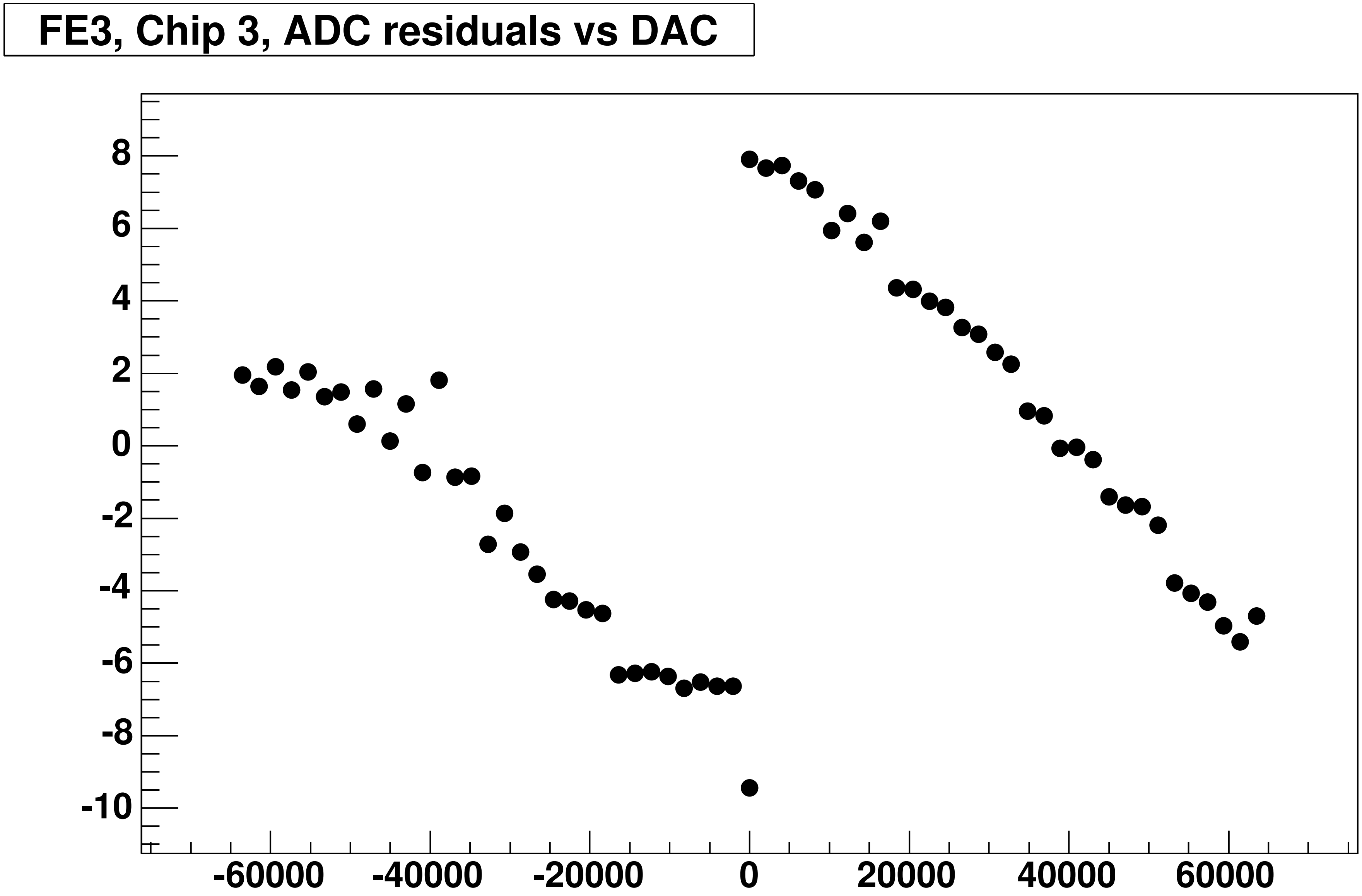
FE3, Chip 2, ADC noise vs DAC
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 2, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-60000
-40000
-20000
0
20000
40000
60000

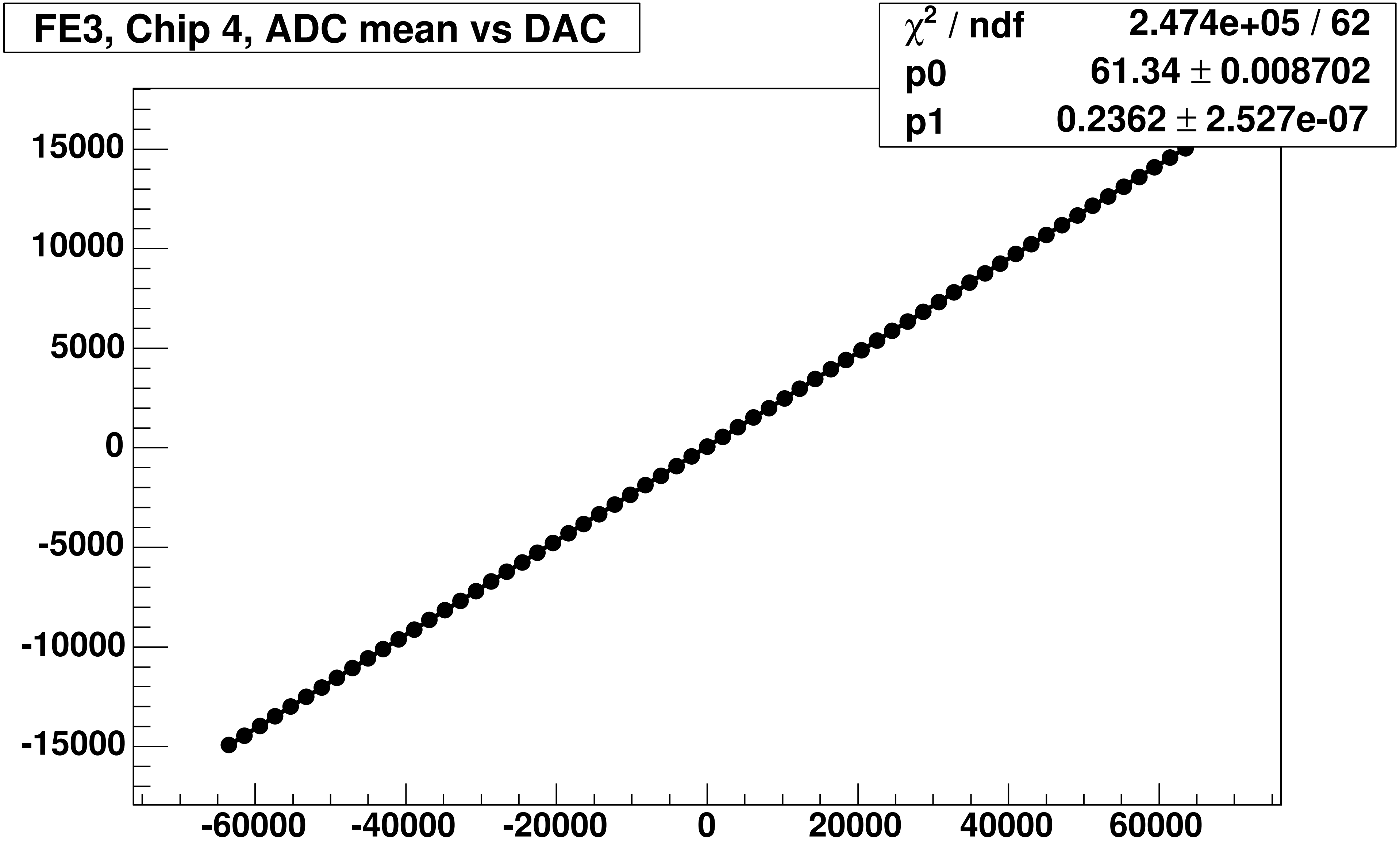


FE3, Chip 3, ADC mean vs DAC
χ^2 / ndf 2.791e+05 / 62
p0 90.68 ± 0.008375
p1 0.2343 ± 2.313e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 3, ADC noise vs DAC
3
2.5
2
1.5
1
-60000
-40000
-20000
0
20000
40000
60000



FE3, Chip 3, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-10
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 4, ADC mean vs DAC
χ^2 / ndf 2.474e+05 / 62
p0 61.34 ± 0.008702
p1 0.2362 ± 2.527e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
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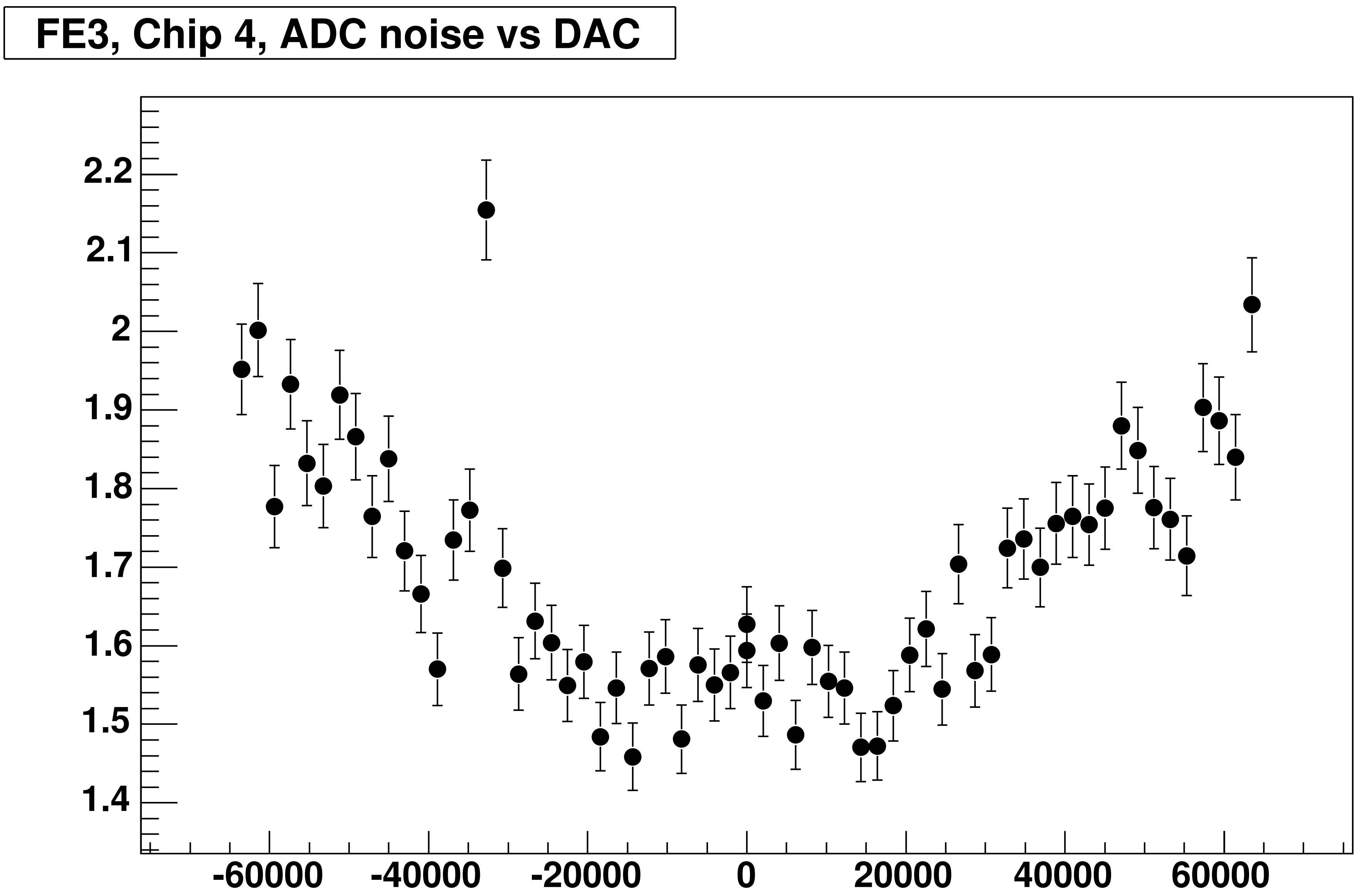
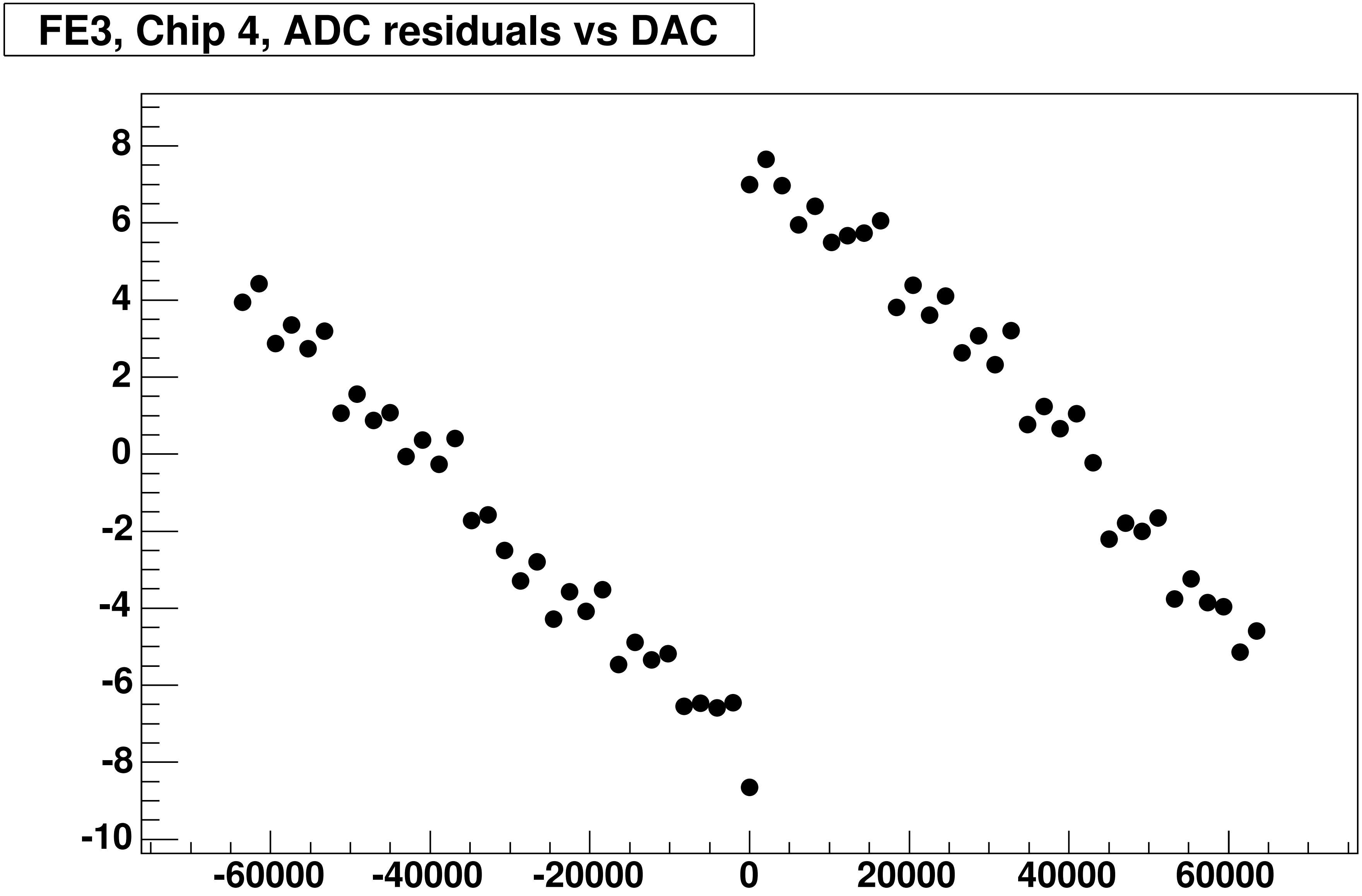
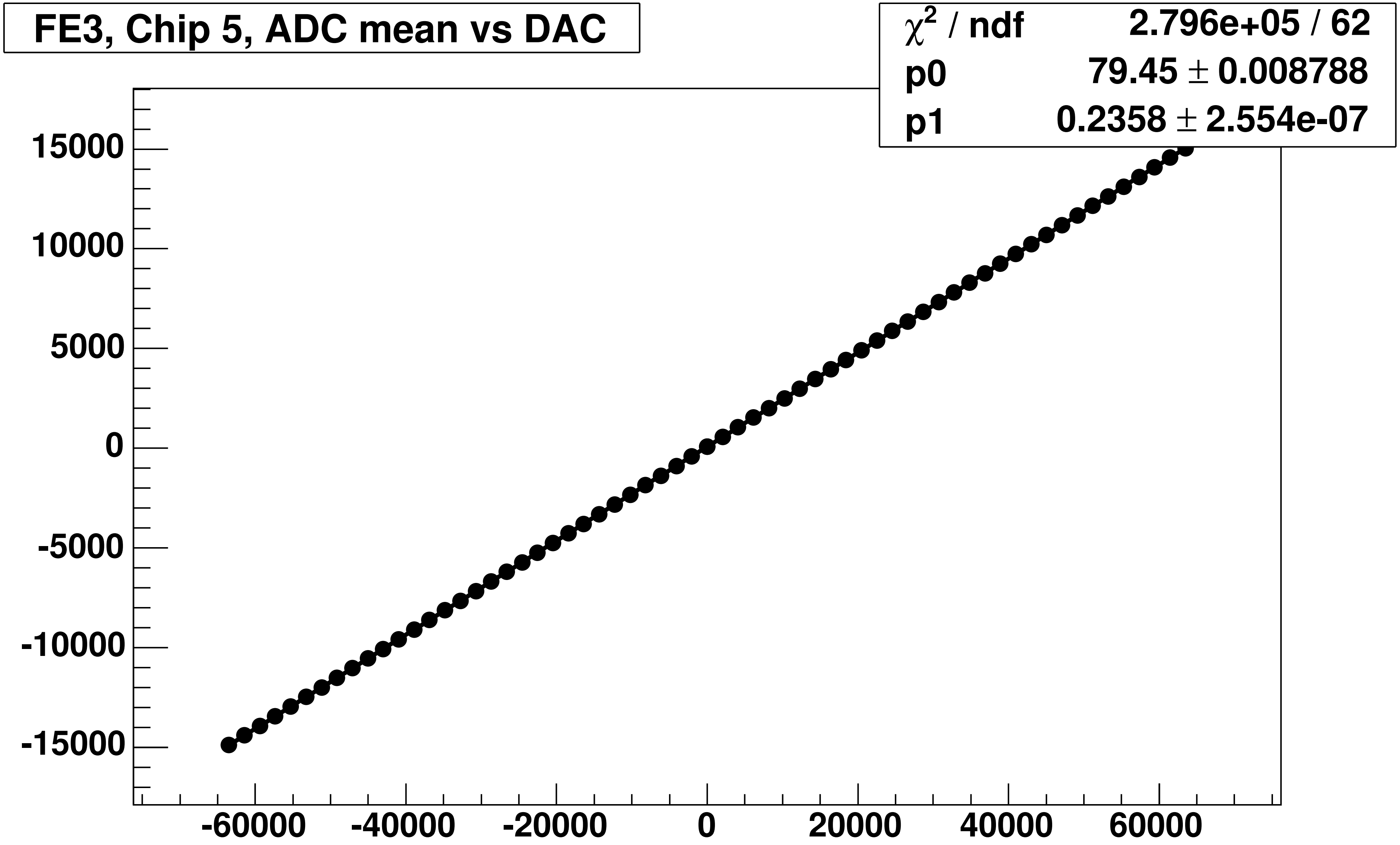
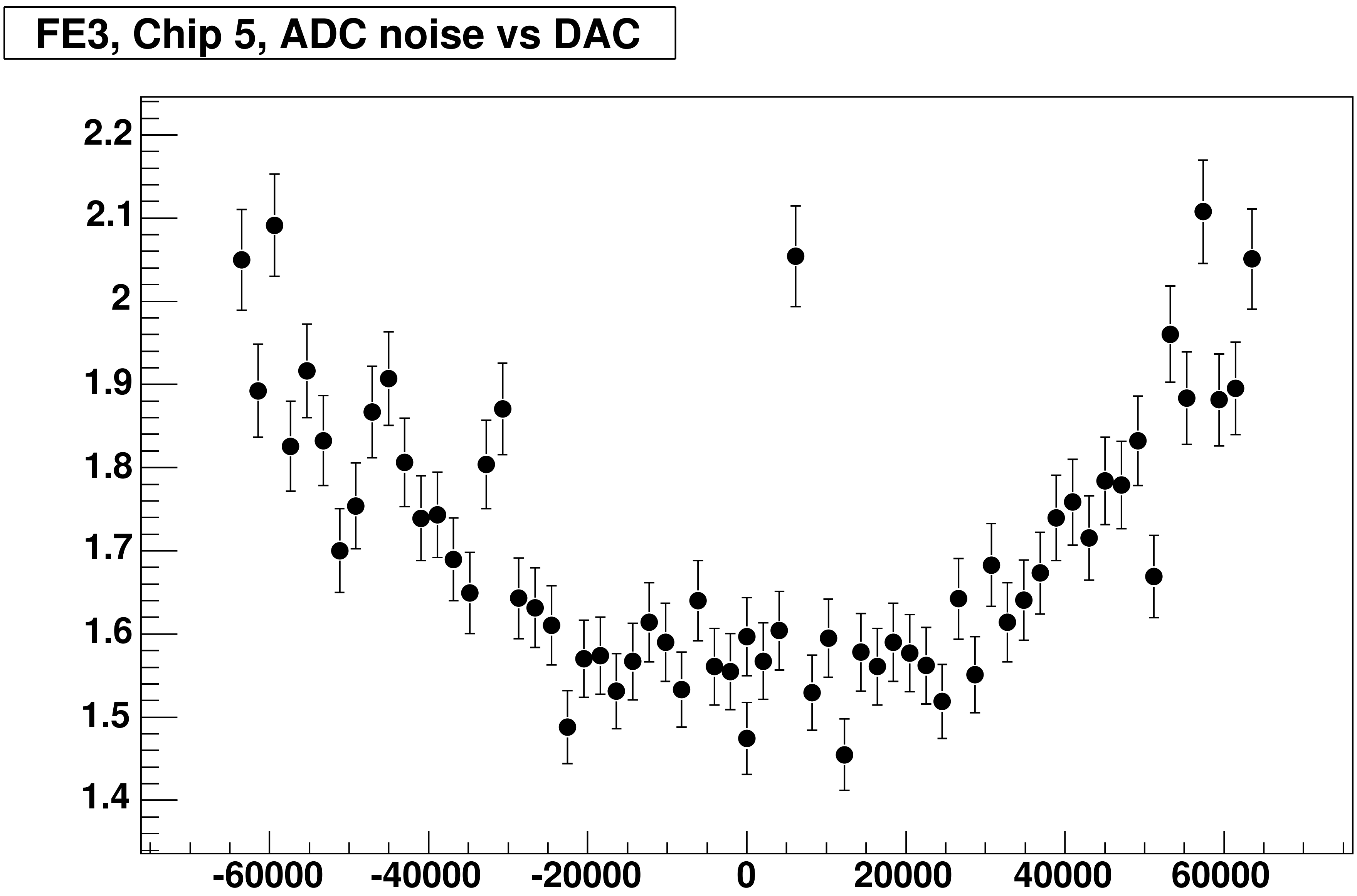
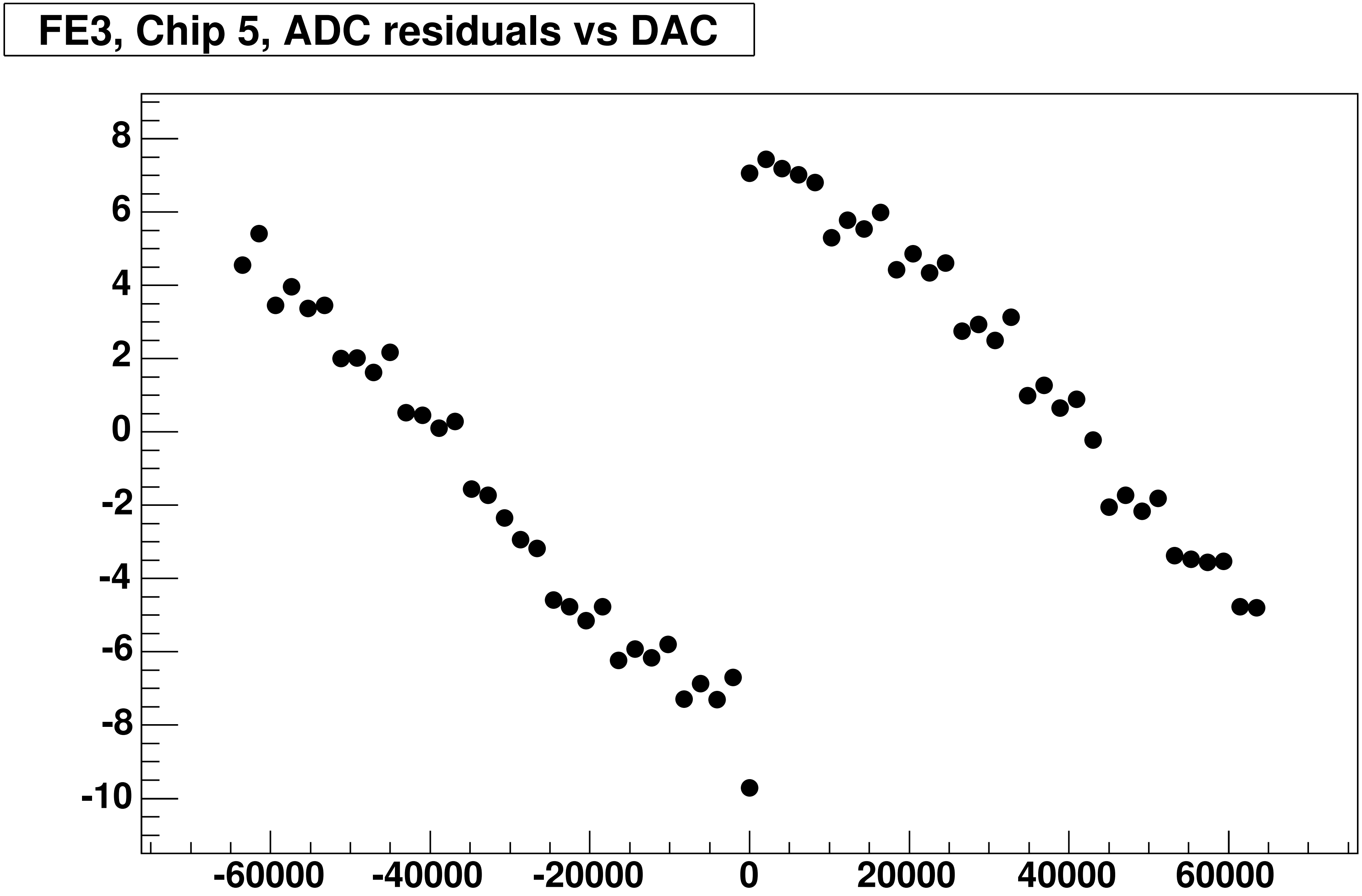
0
20000
40000
60000

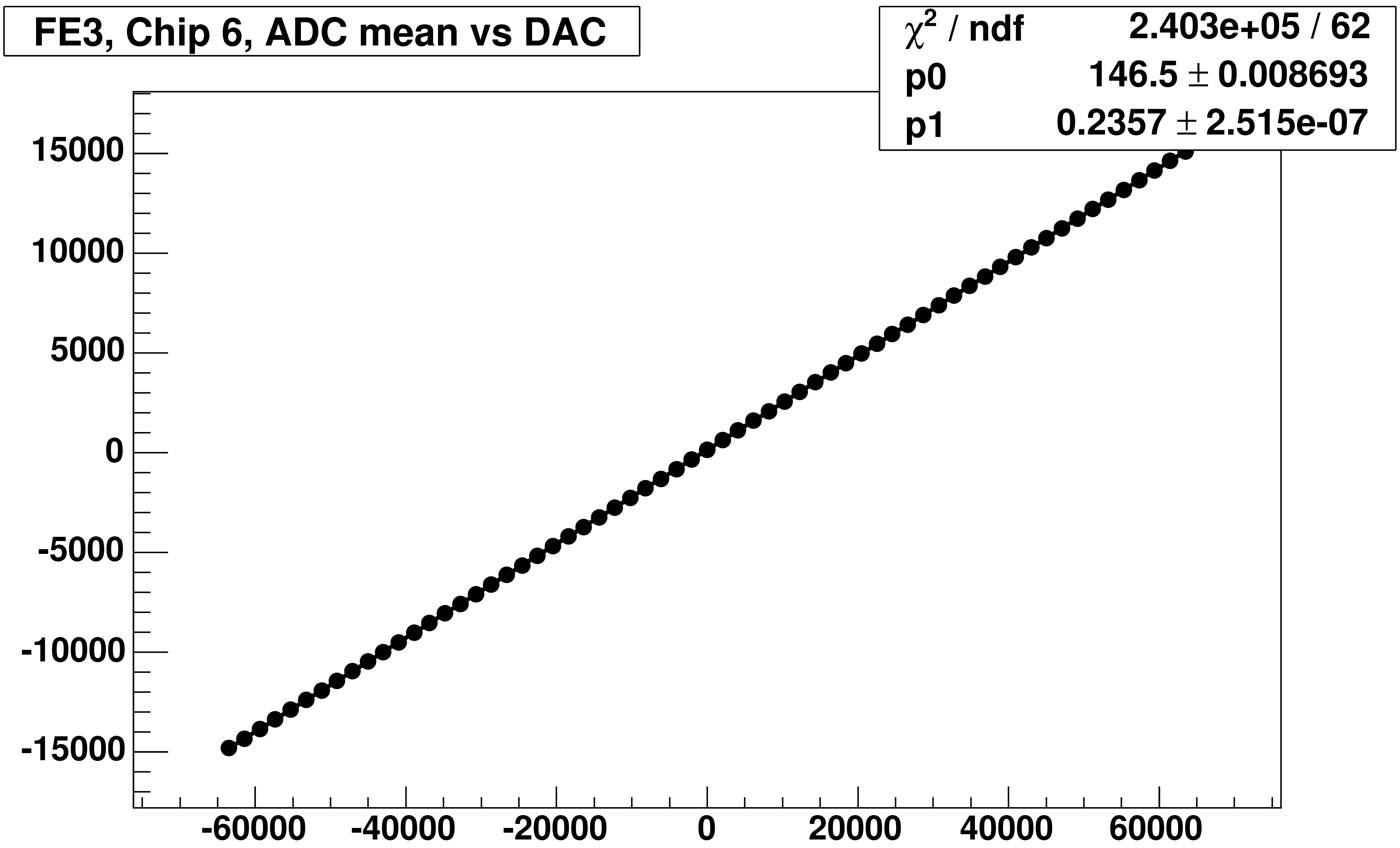

FE3, Chip 4, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 4, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-10
-60000
-40000
-20000
0
20000
40000
60000

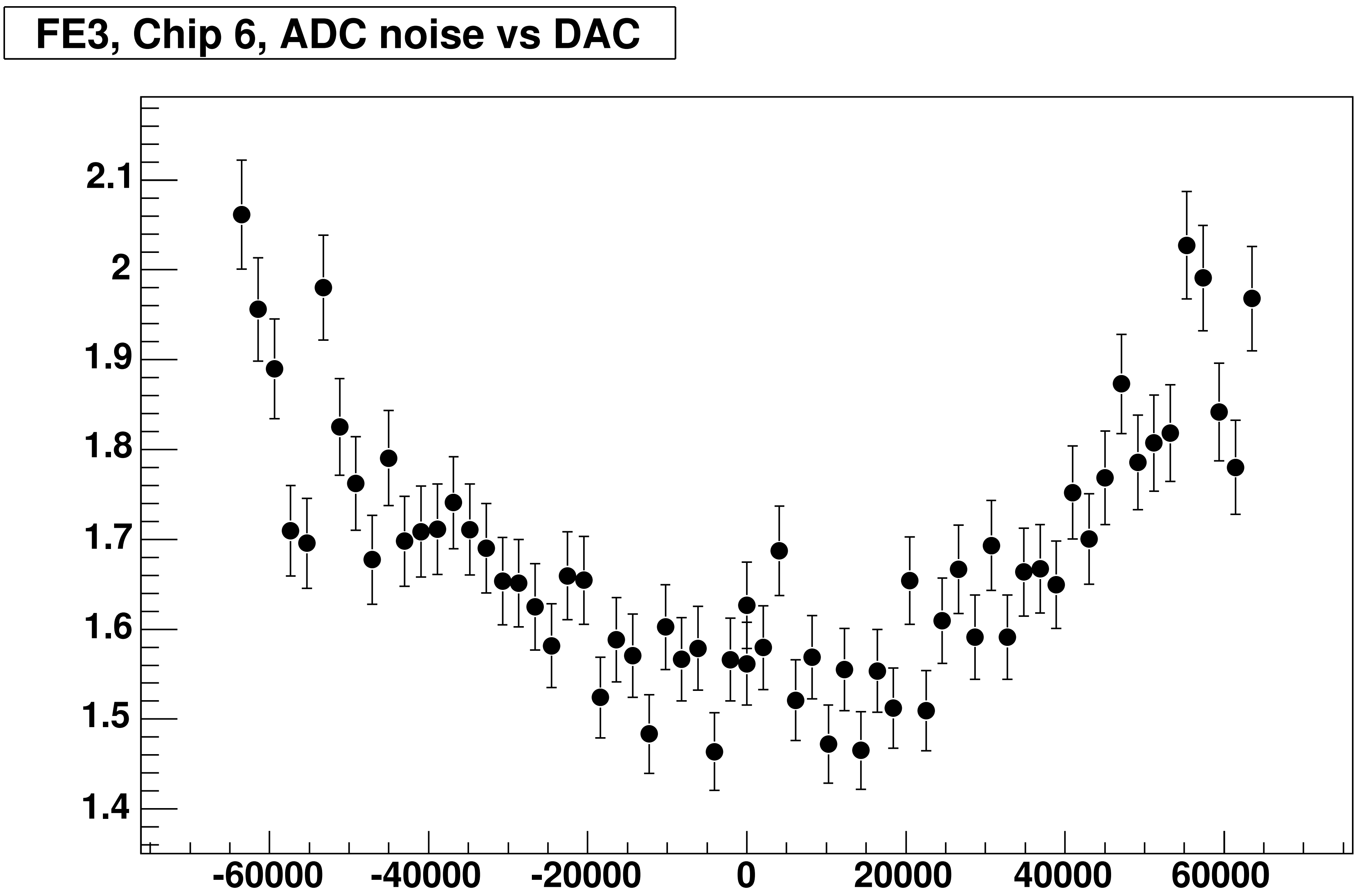

FE3, Chip 5, ADC mean vs DAC
χ^2 / ndf 2.796e+05 / 62
p0 79.45 ± 0.008788
p1 0.2358 ± 2.554e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 5, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

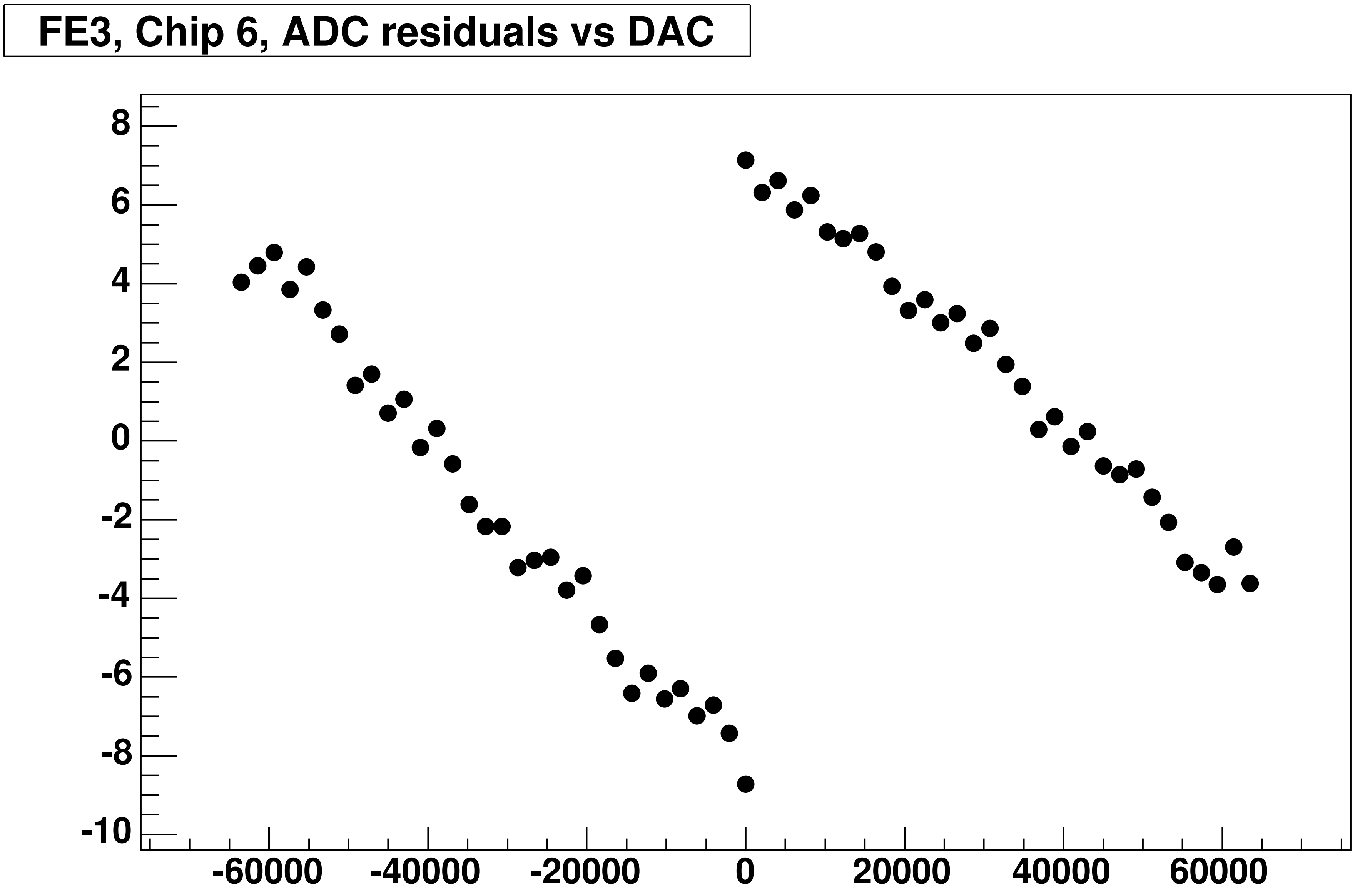

FE3, Chip 5, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-10
-60000
-40000
-20000
0
20000
40000
60000



FE3, Chip 6, ADC mean vs DAC
χ^2 / ndf 2.403e+05 / 62
p0 146.5 ± 0.008693
p1 0.2357 ± 2.515e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



FE3, 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


FE3, Chip 6, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-10
-60000
-40000
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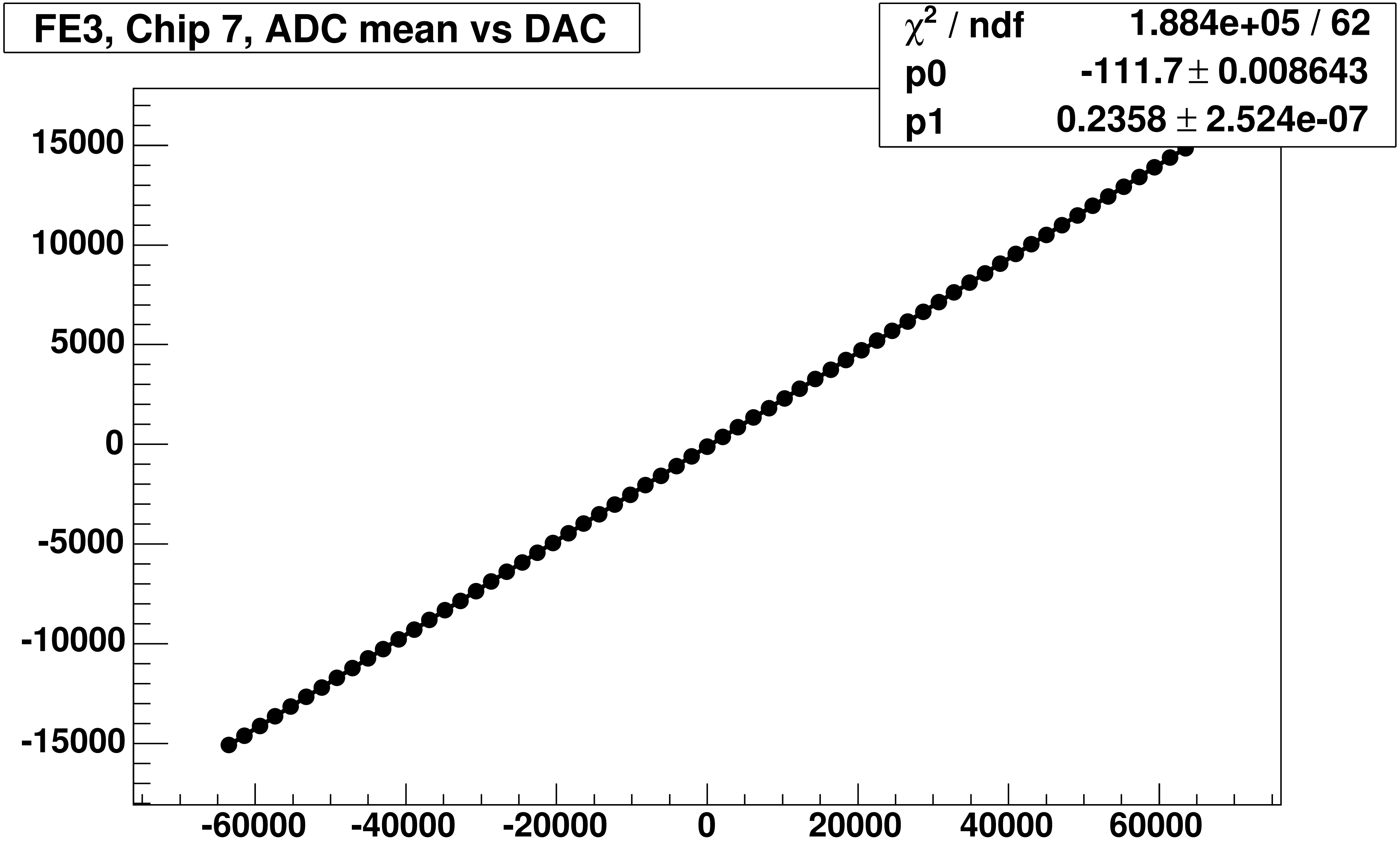
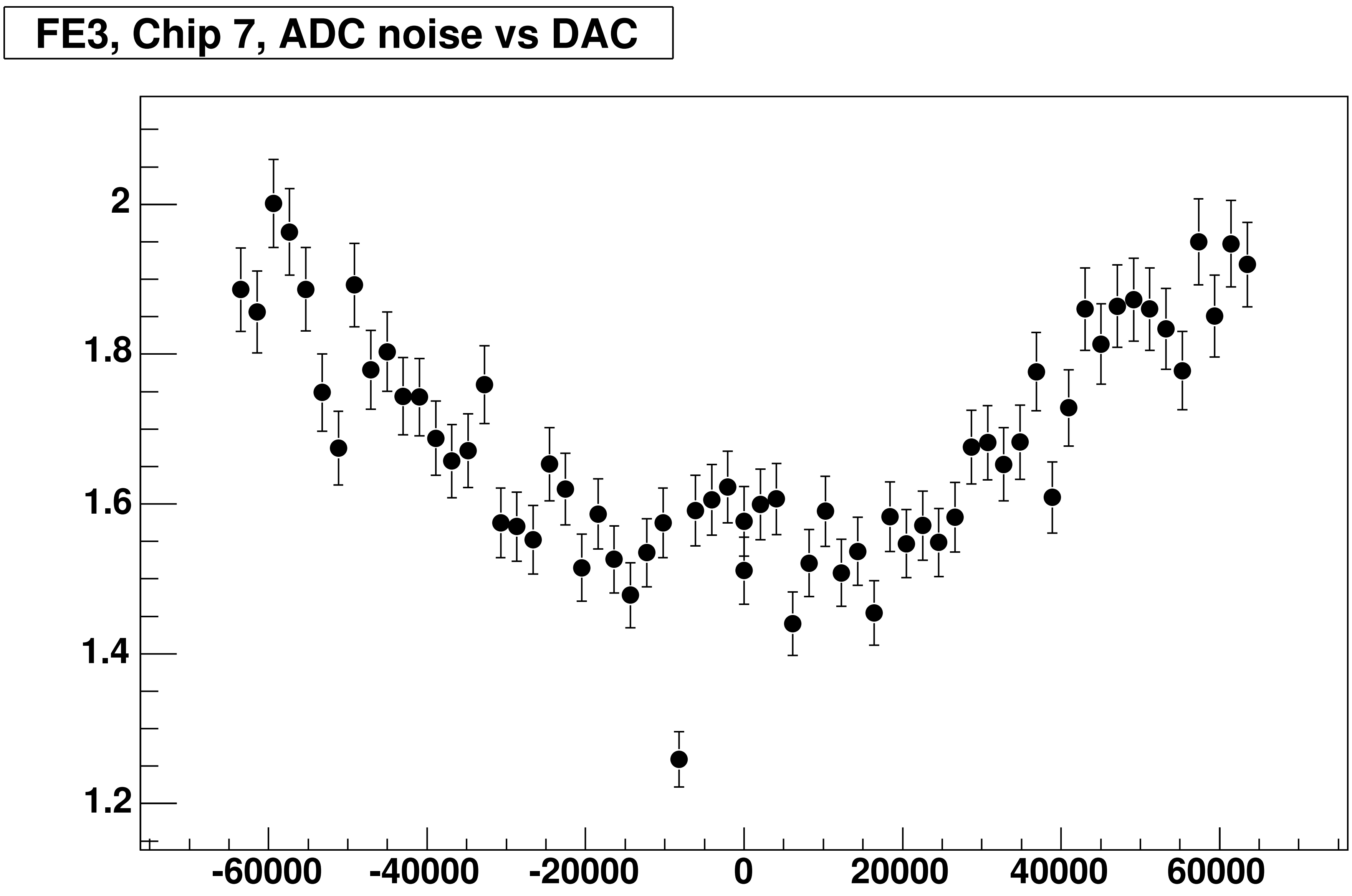
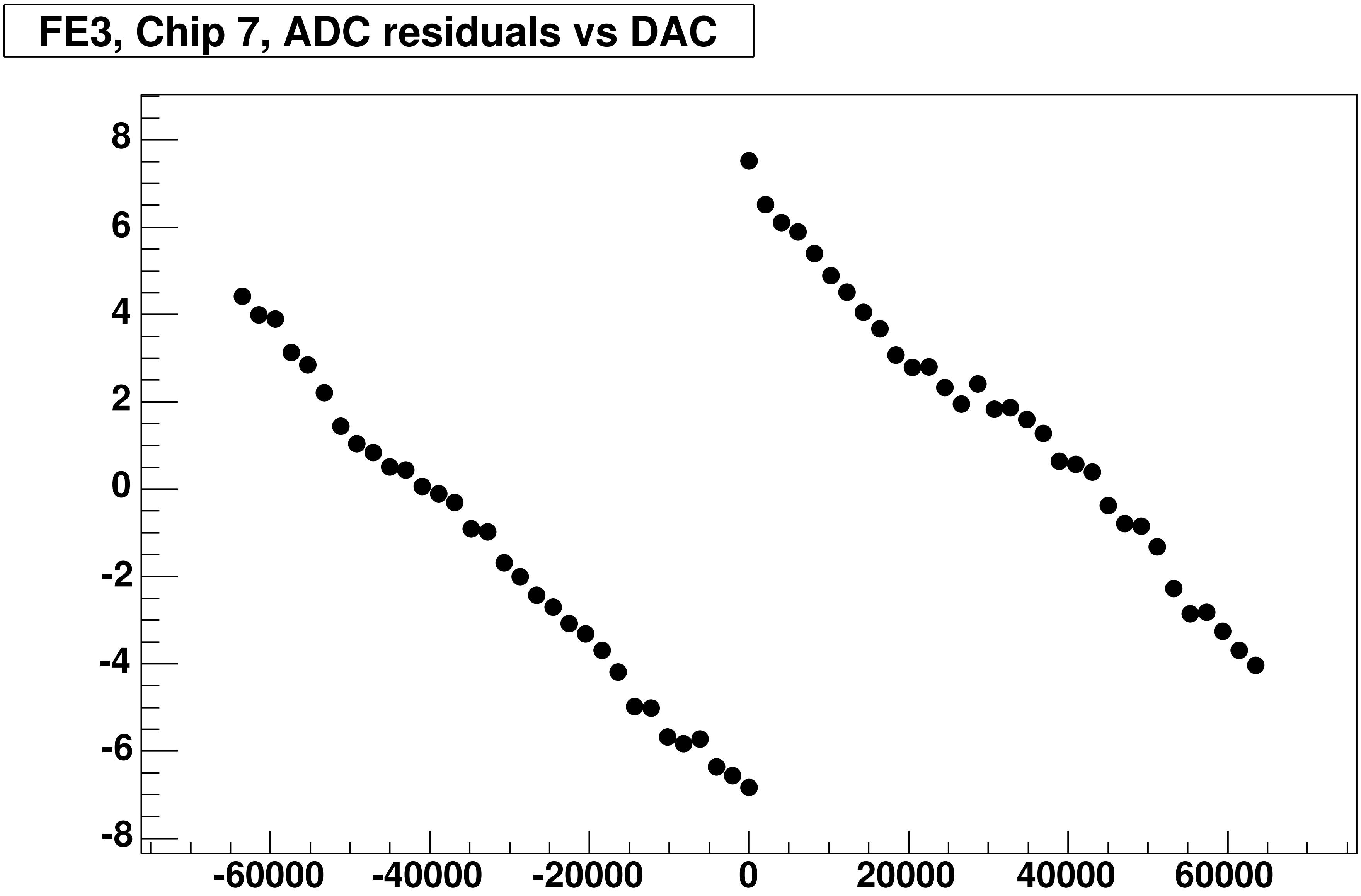
0
20000
40000
60000

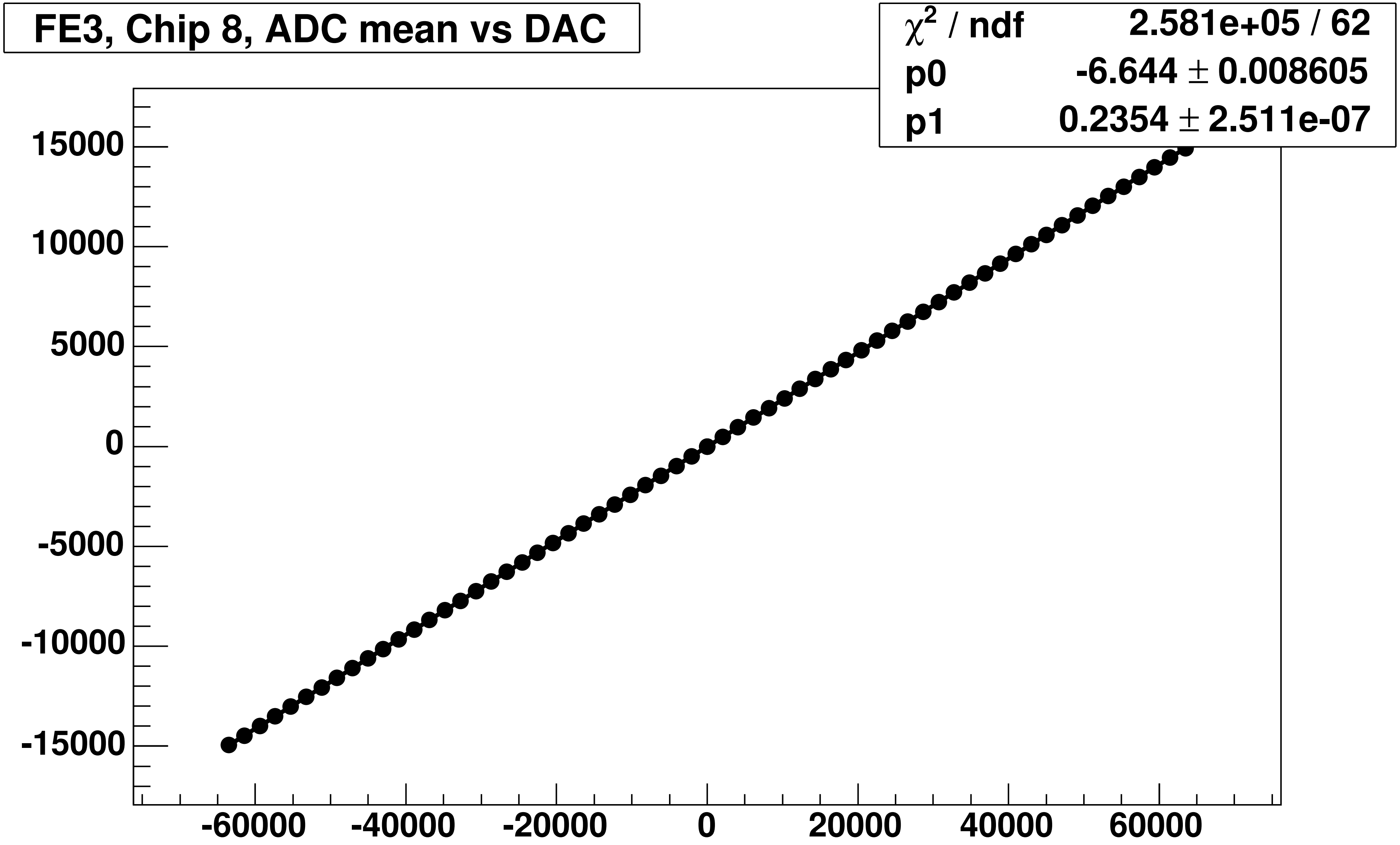


FE3, Chip 7, ADC mean vs DAC
χ^2 / ndf 1.884e+05 / 62
p0 -111.7 ± 0.008643
p1 0.2358 ± 2.524e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 7, ADC noise vs DAC
2
1.8
1.6
1.4
1.2
-60000
-40000
-20000
0
20000
40000
60000



FE3, Chip 7, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 8, ADC mean vs DAC
χ^2 / ndf 2.581e+05 / 62
p0 -6.644 ± 0.008605
p1 0.2354 ± 2.511e-07
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0
-5000
-10000
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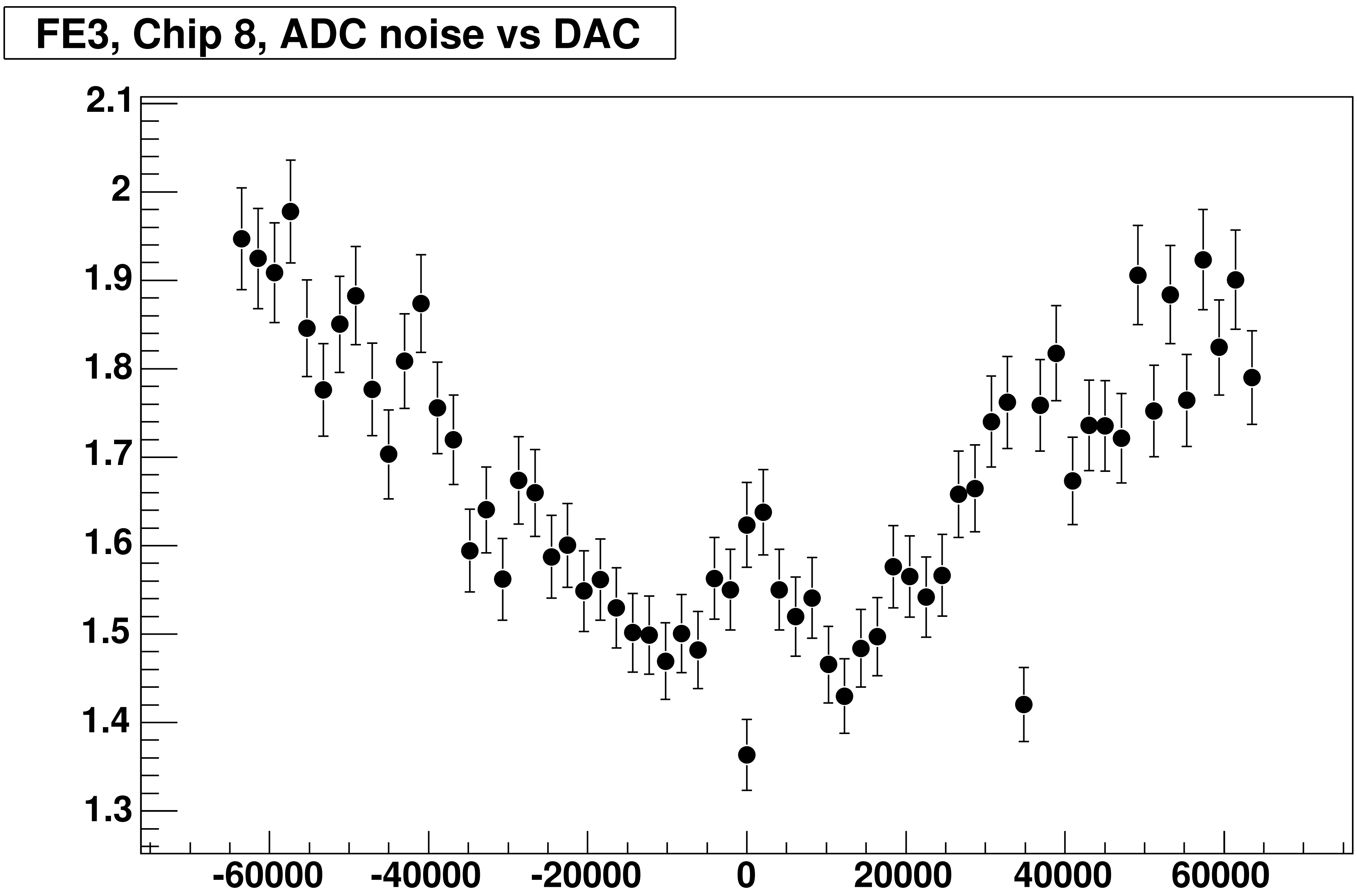
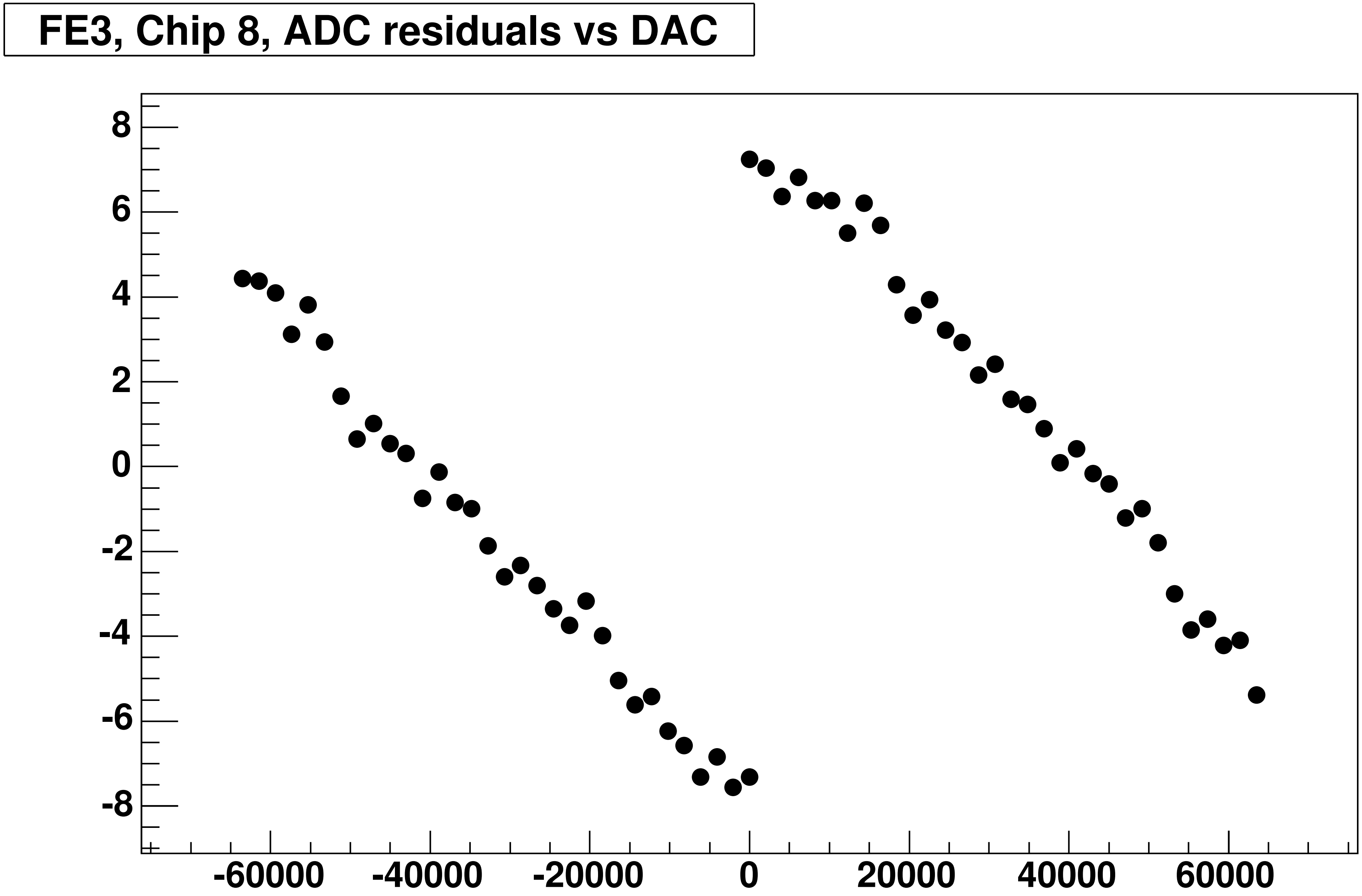
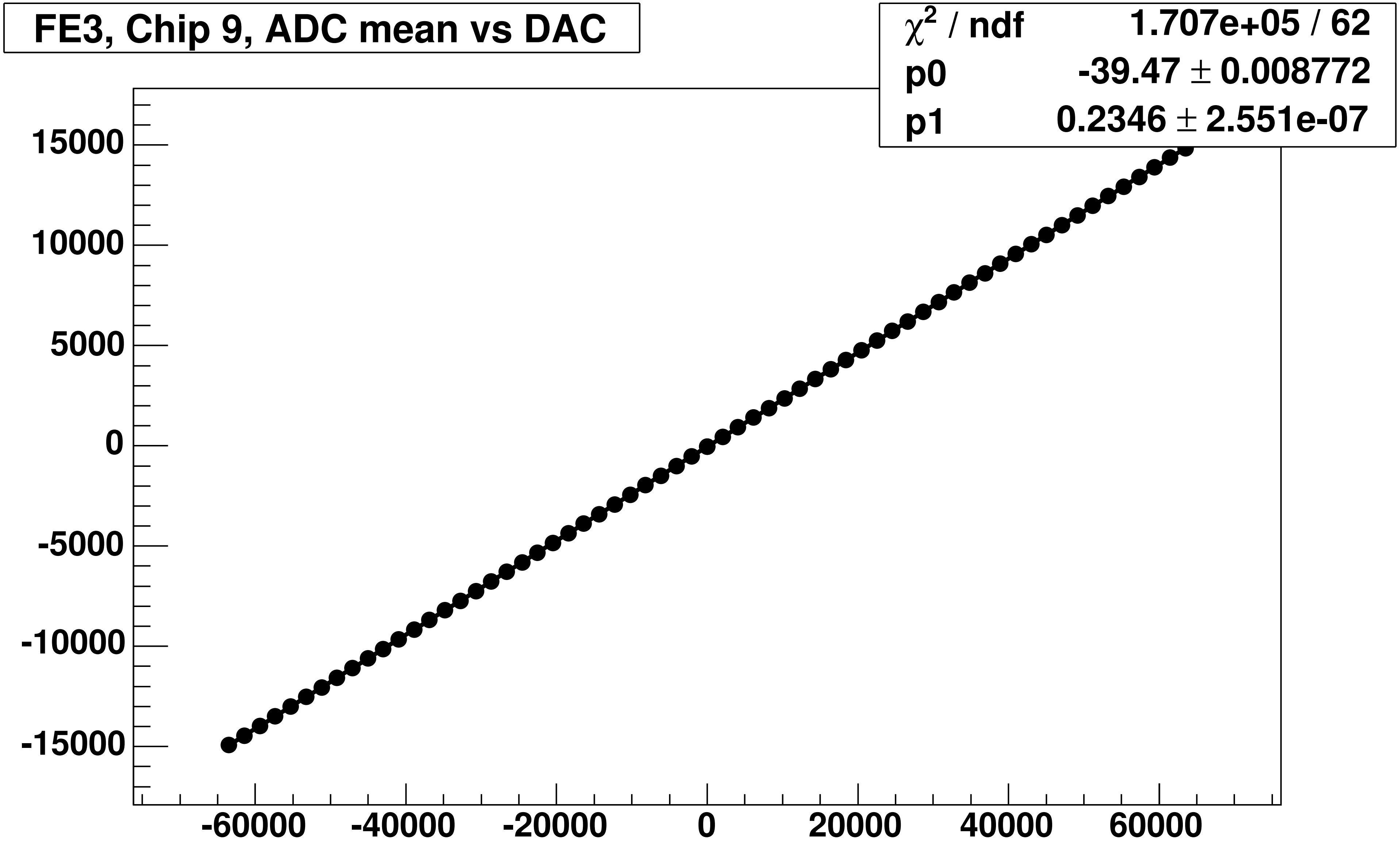
0
20000
40000
60000


FE3, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 8, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-60000
-40000
-20000
0
20000
40000
60000



FE3, Chip 9, ADC mean vs DAC
χ^2 / ndf 1.707e+05 / 62
p0 -39.47 ± 0.008772
p1 0.2346 ± 2.551e-07
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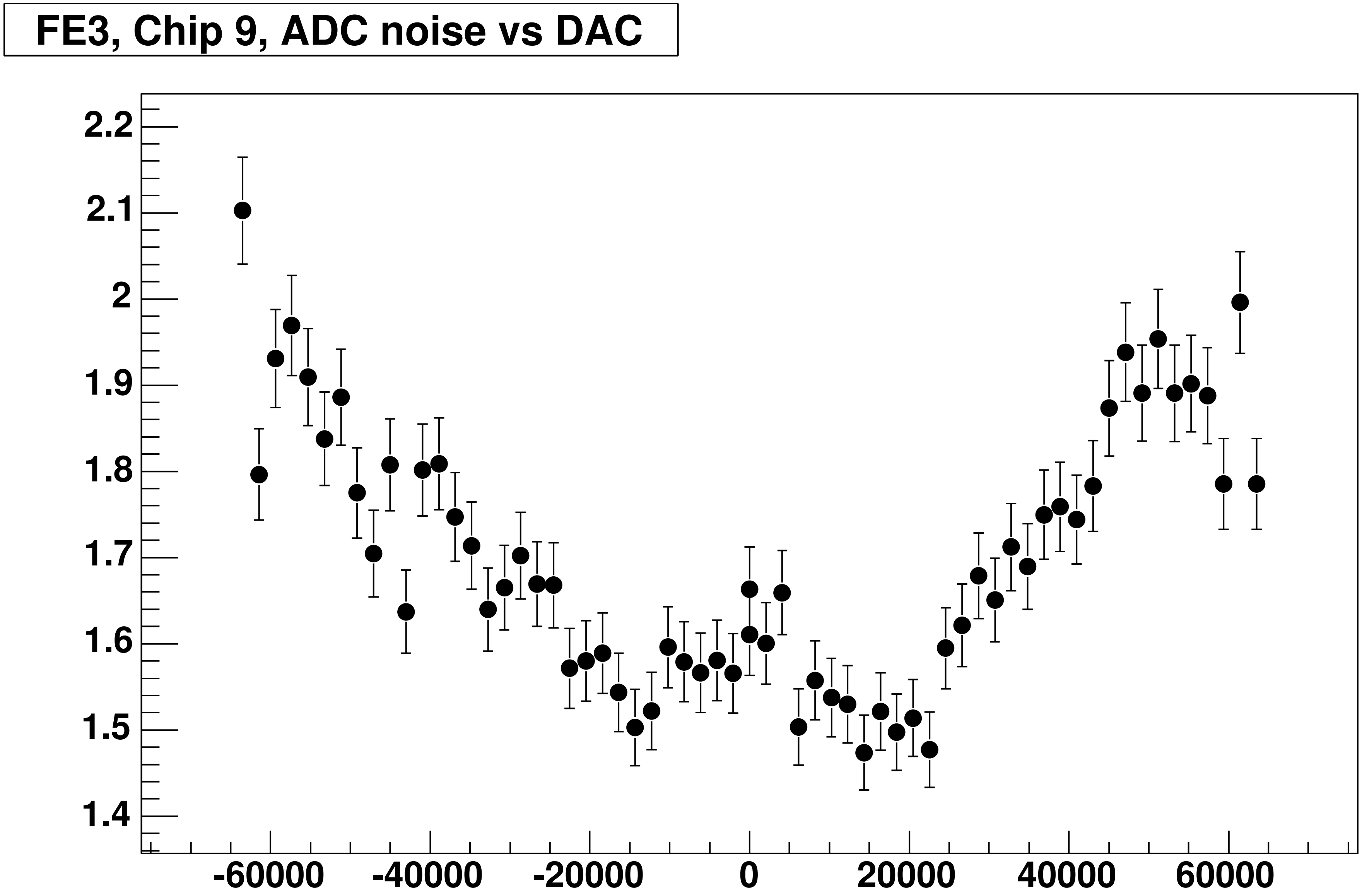
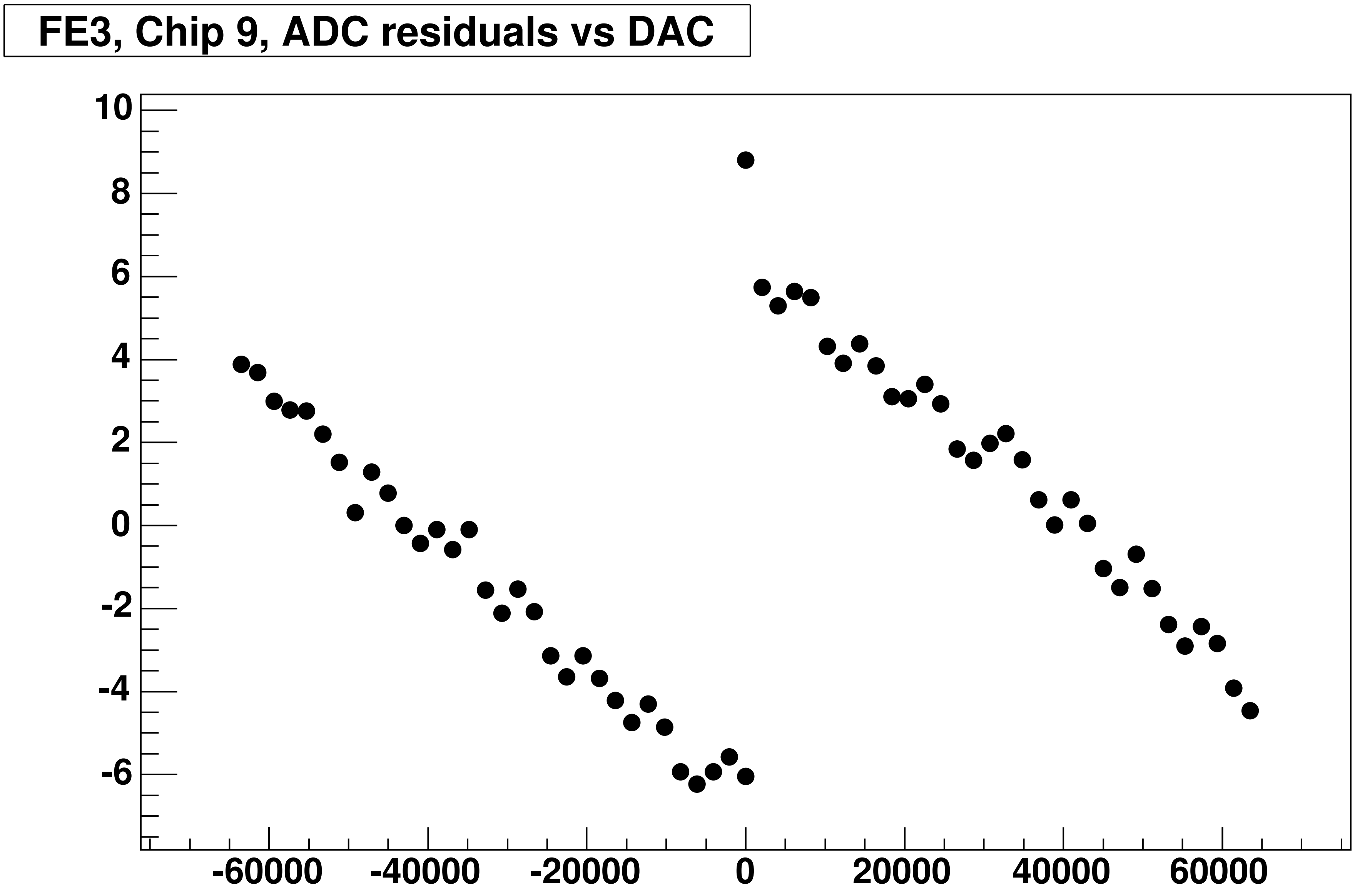
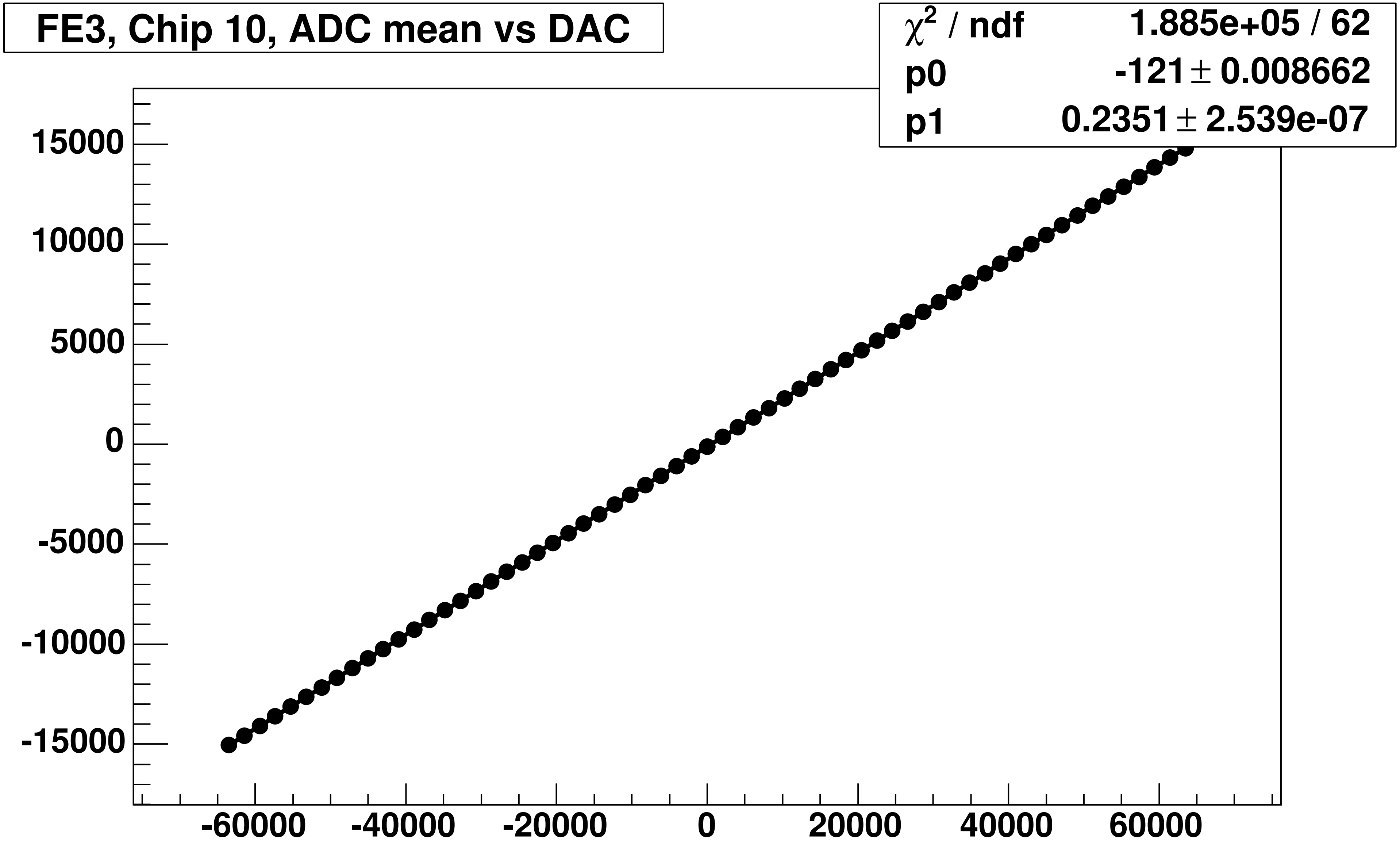
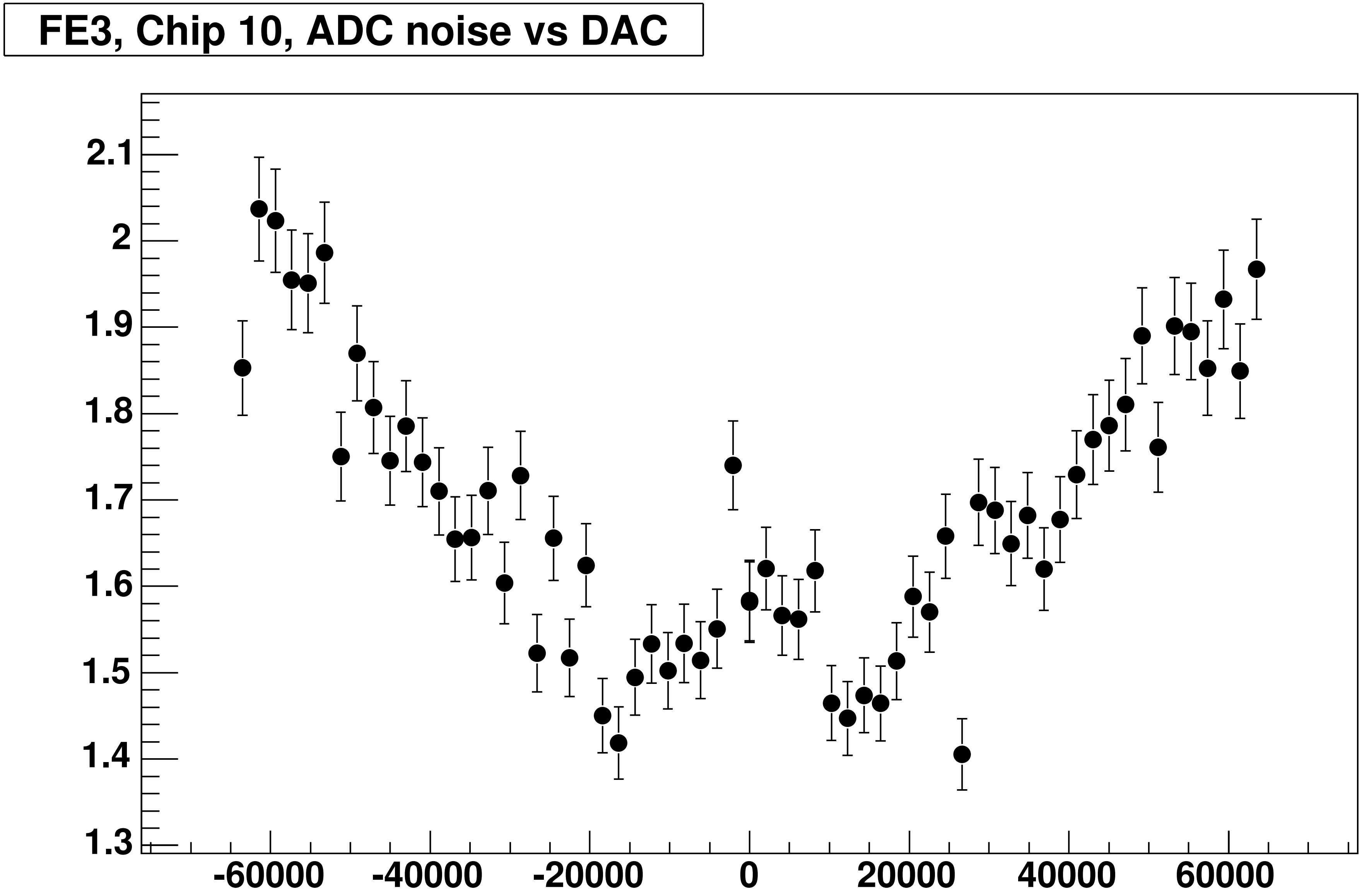
0
20000
40000
60000

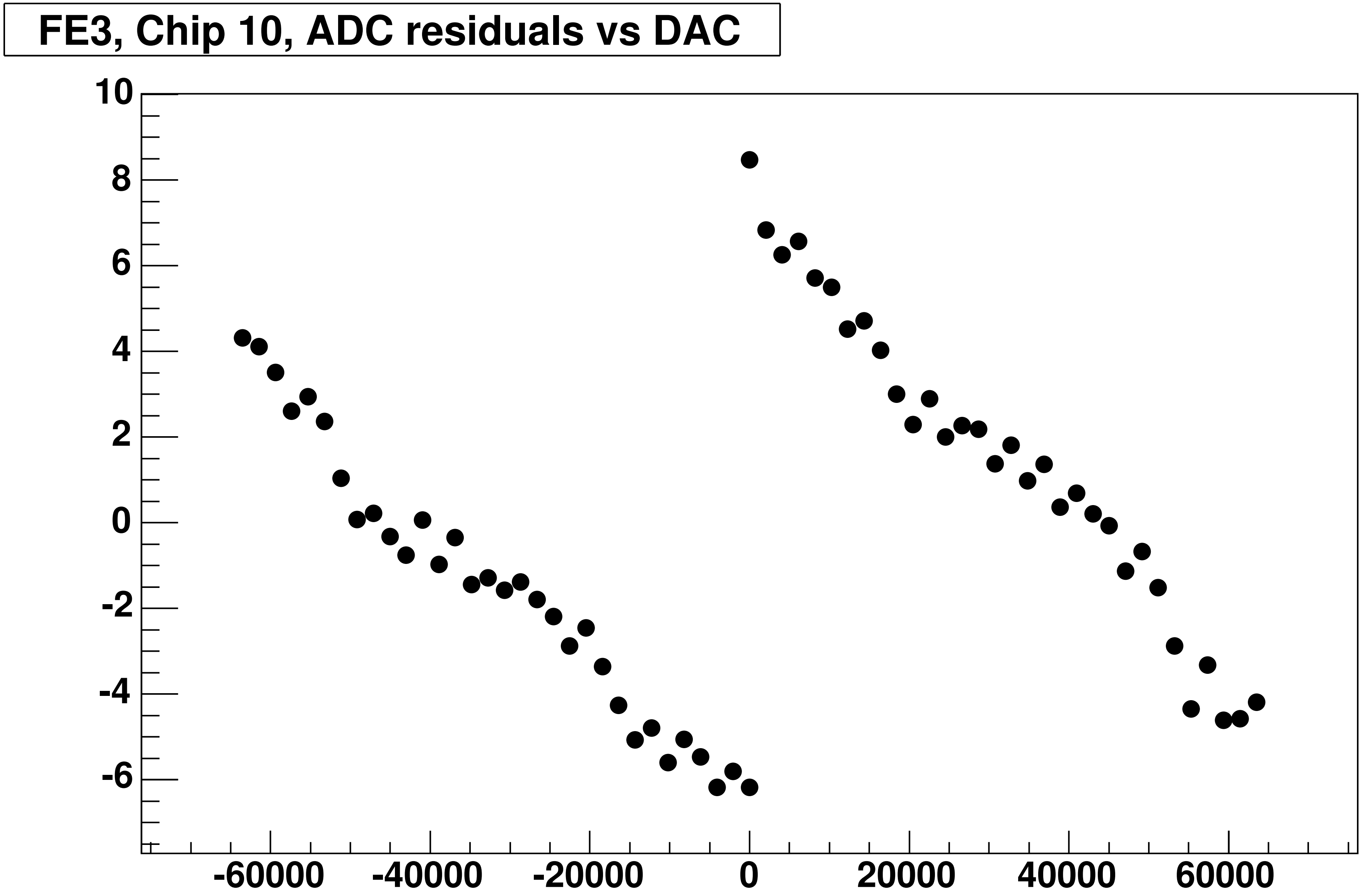

FE3, Chip 9, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

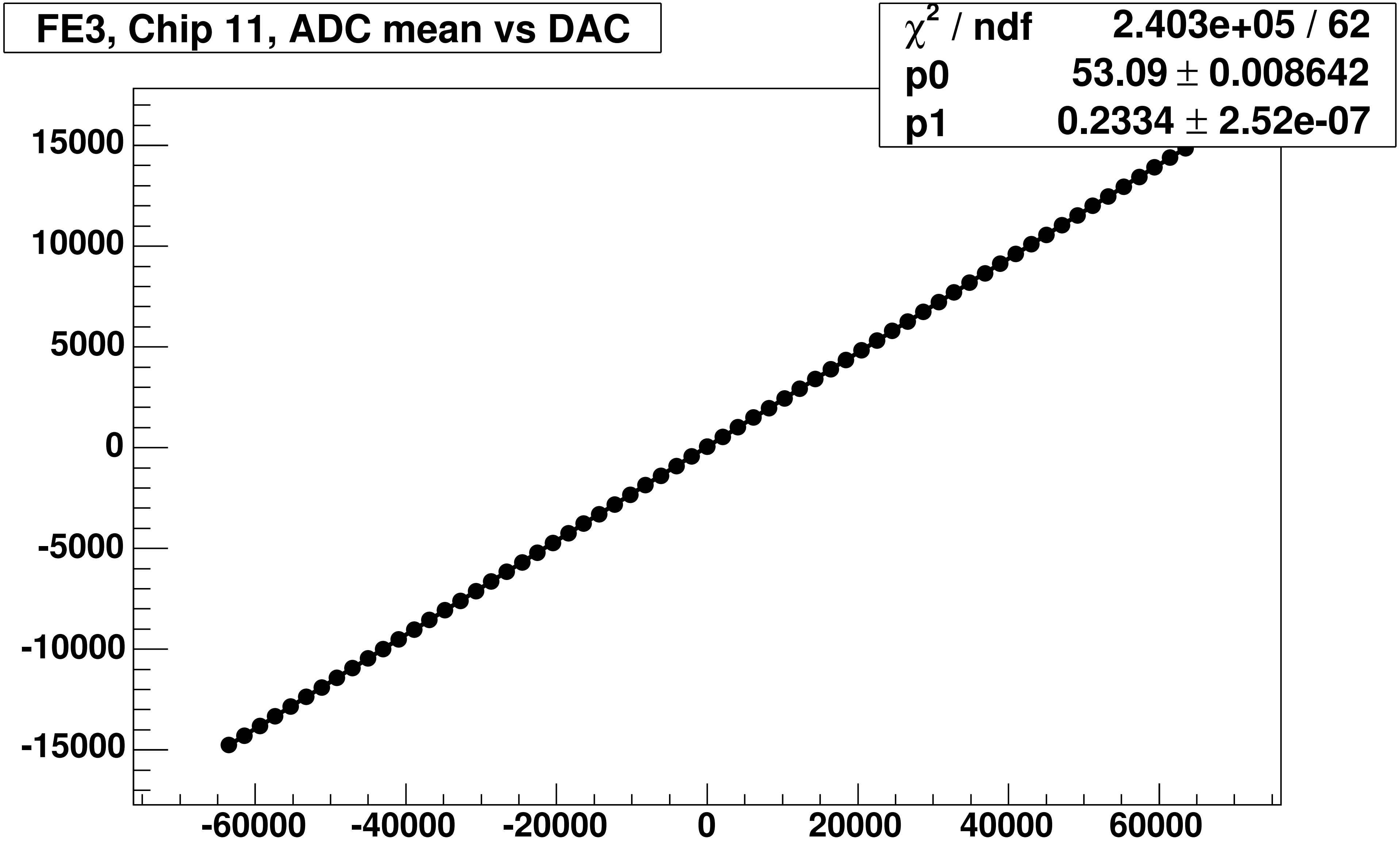

FE3, Chip 9, ADC residuals vs DAC
10
8
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000



FE3, Chip 10, ADC mean vs DAC
χ^2 / ndf 1.885e+05 / 62
p0 -121 ± 0.008662
p1 0.2351 ± 2.539e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE3, 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


FE3, Chip 10, ADC residuals vs DAC
10
8
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE3, Chip 11, ADC mean vs DAC
χ^2 / ndf 2.403e+05 / 62
p0 53.09 ± 0.008642
p1 0.2334 ± 2.52e-07
15000
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0
-5000
-10000
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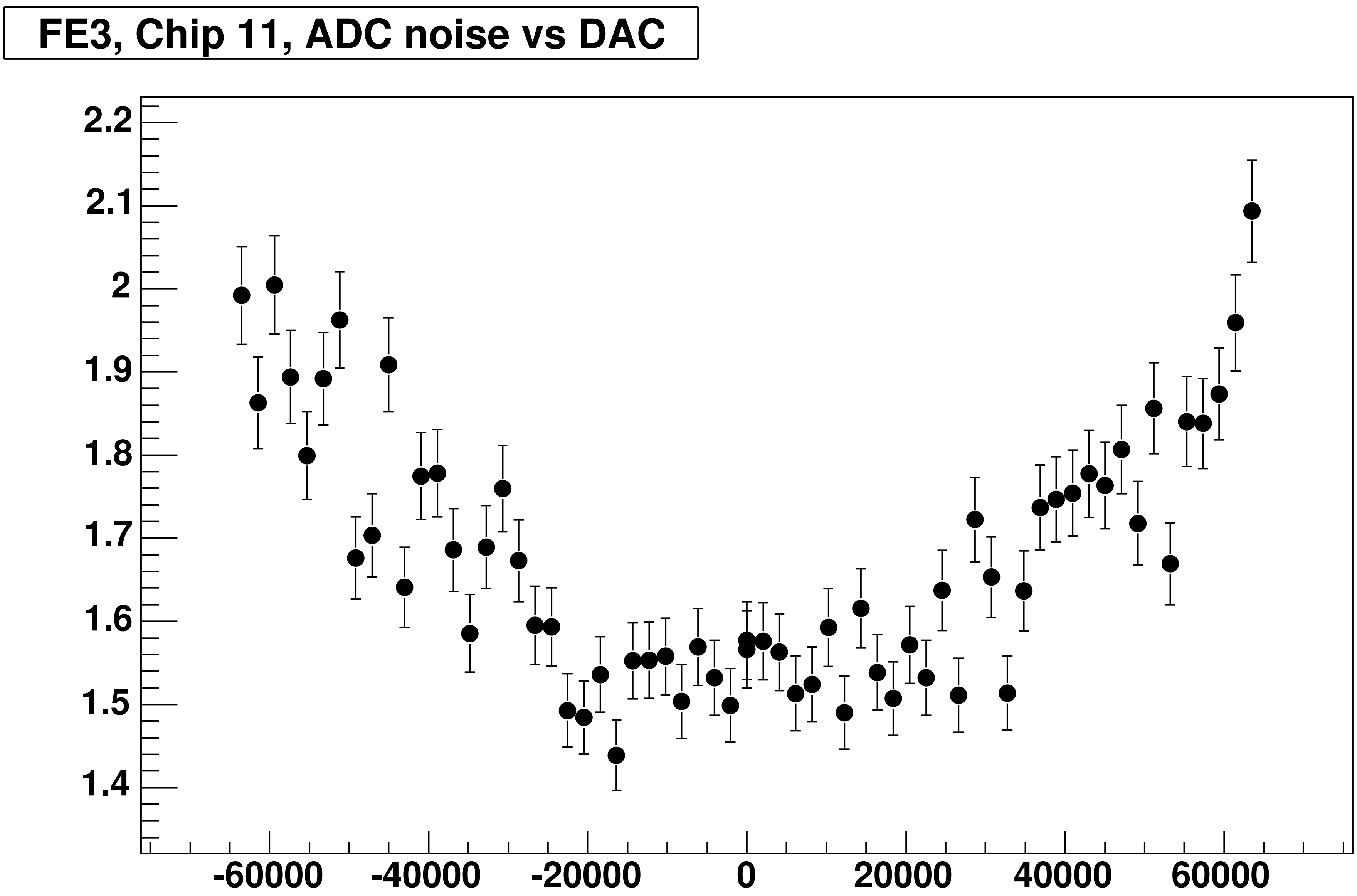
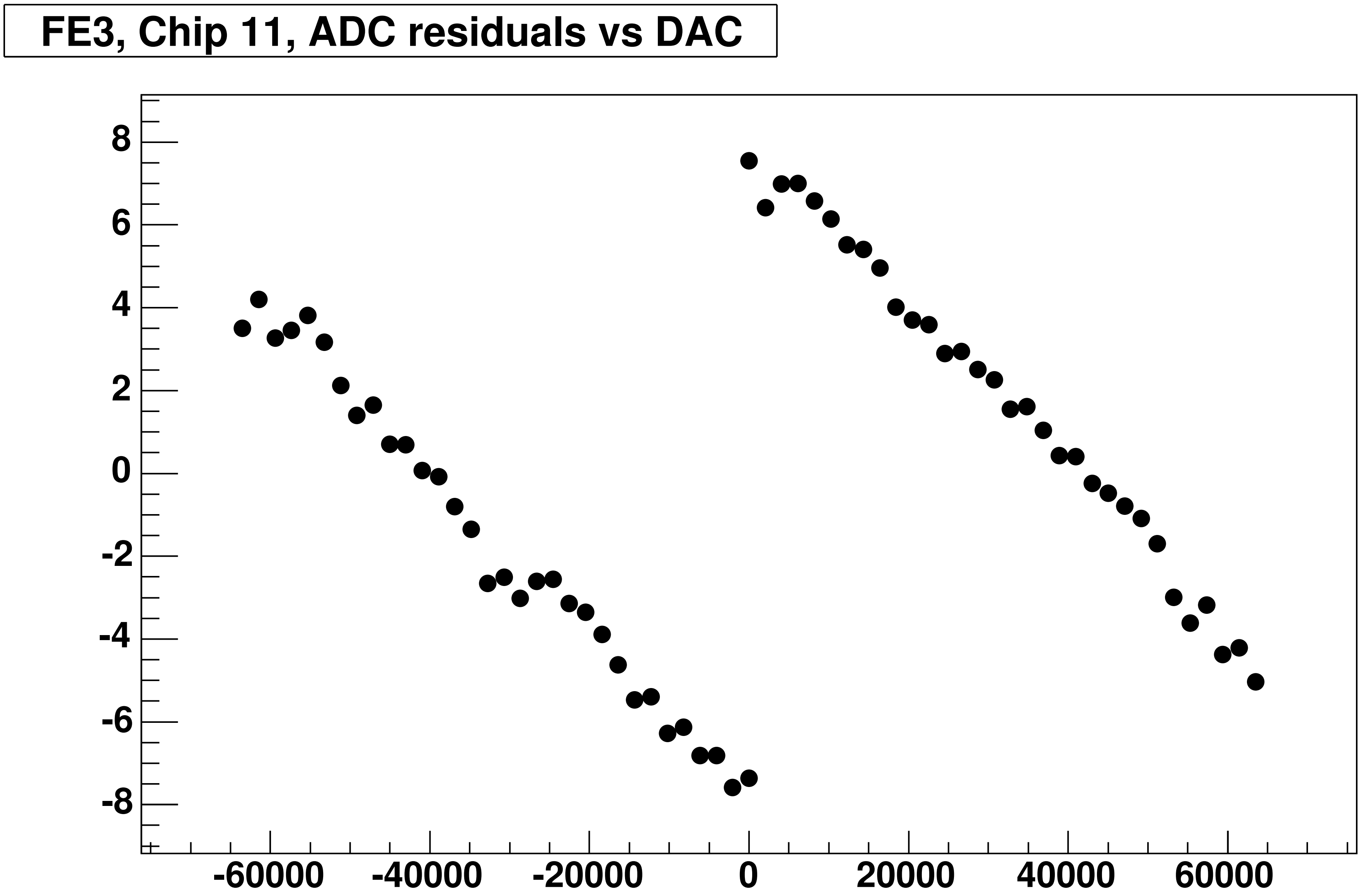
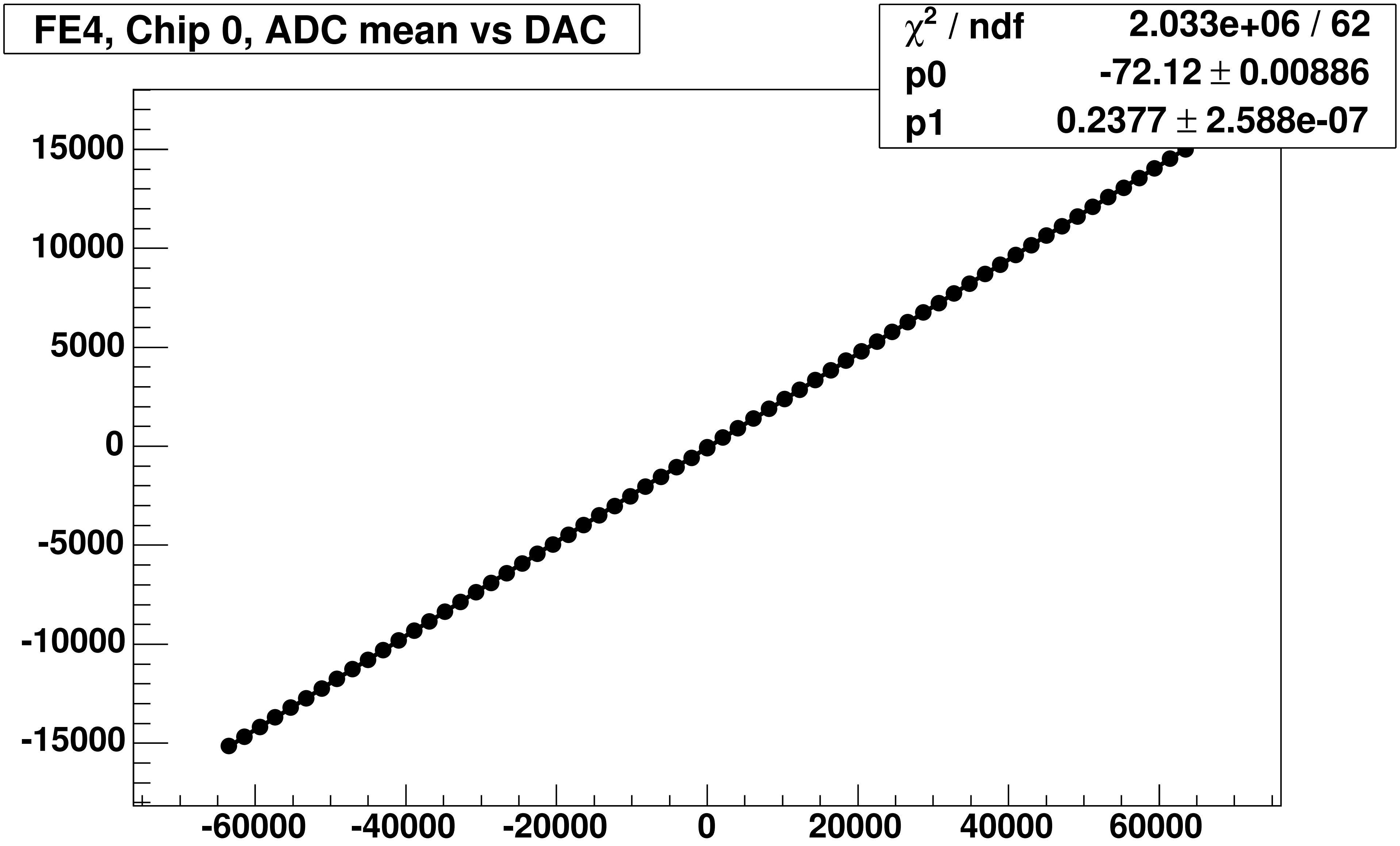
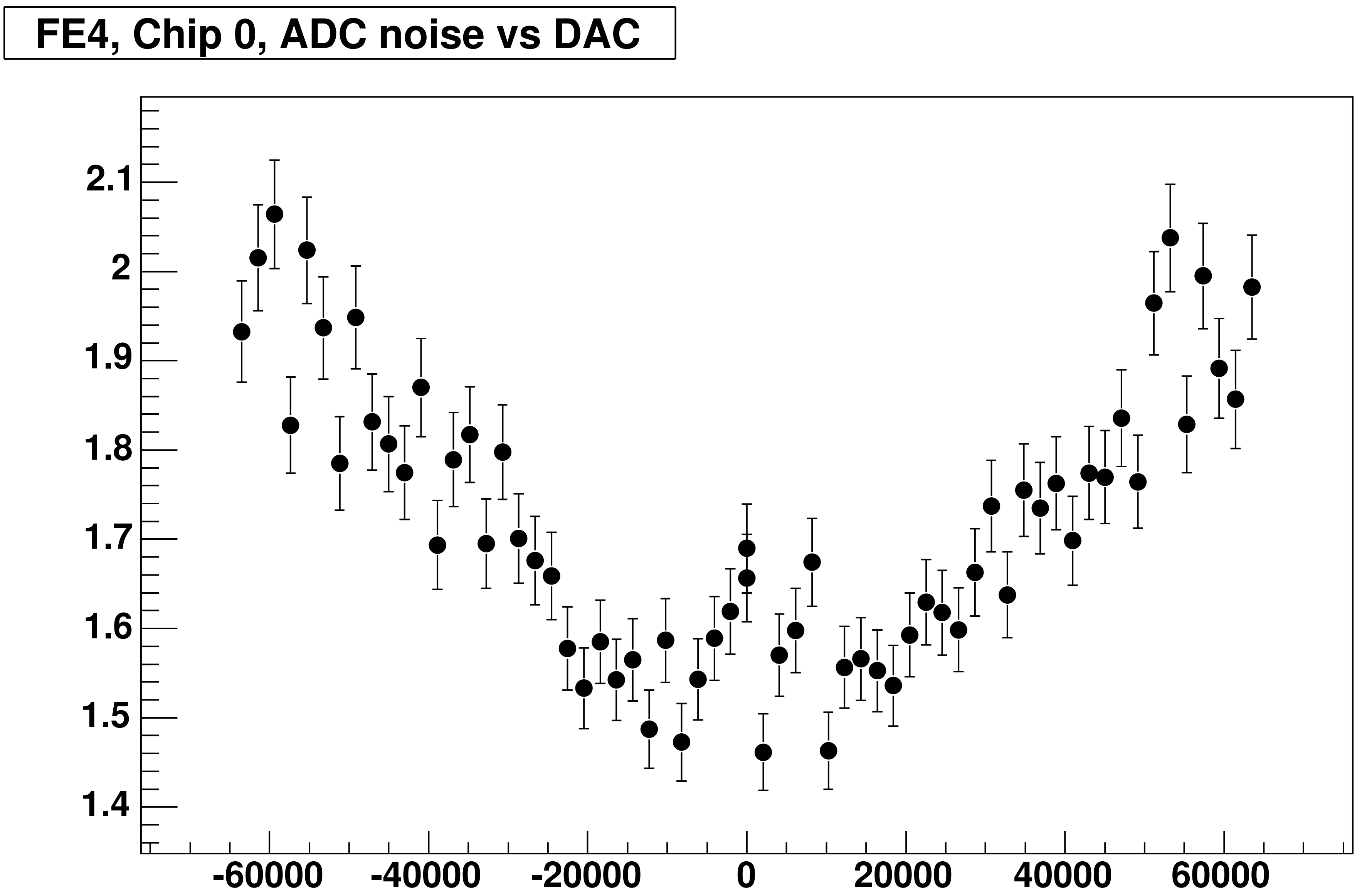
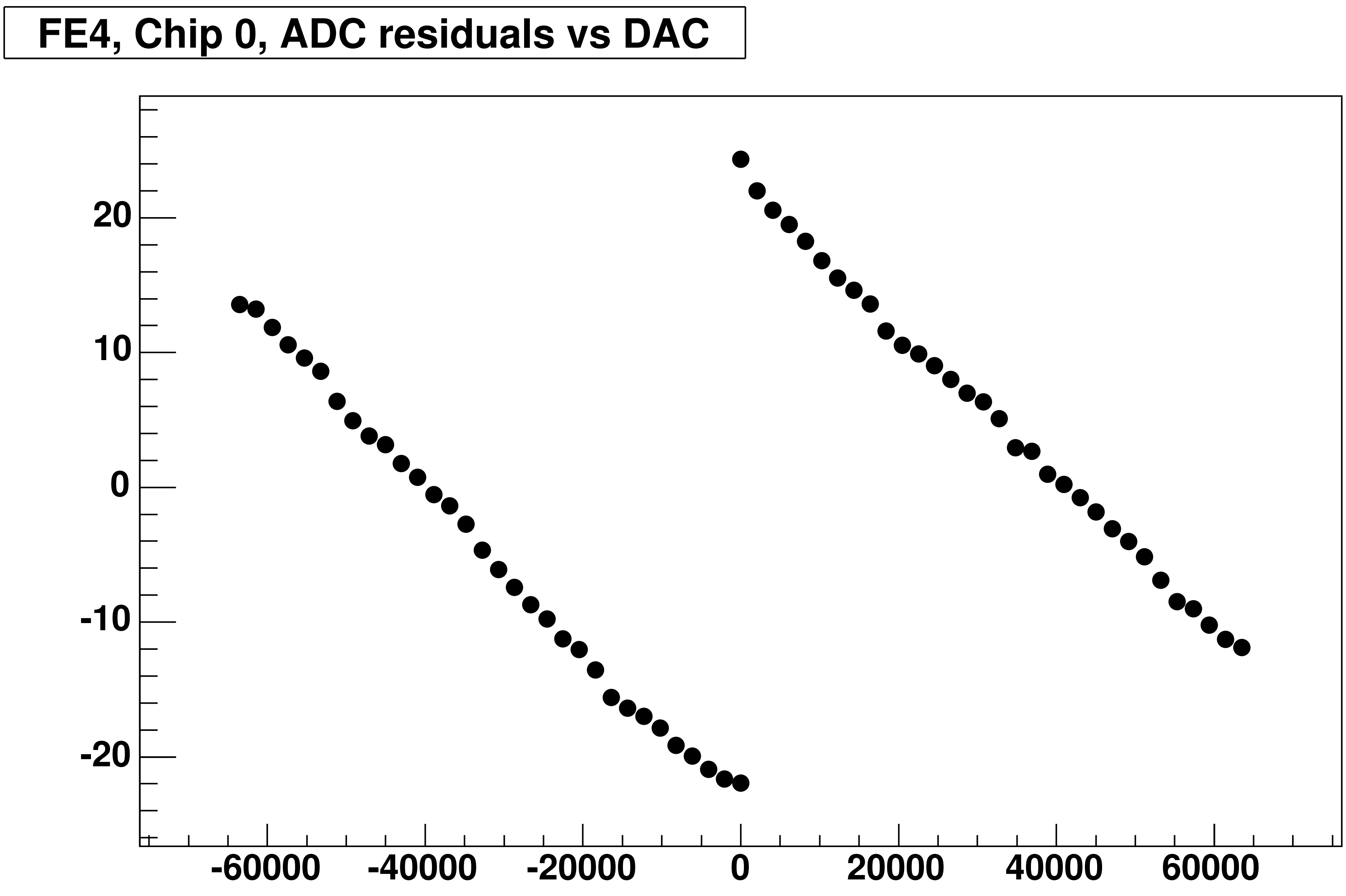
0
20000
40000
60000

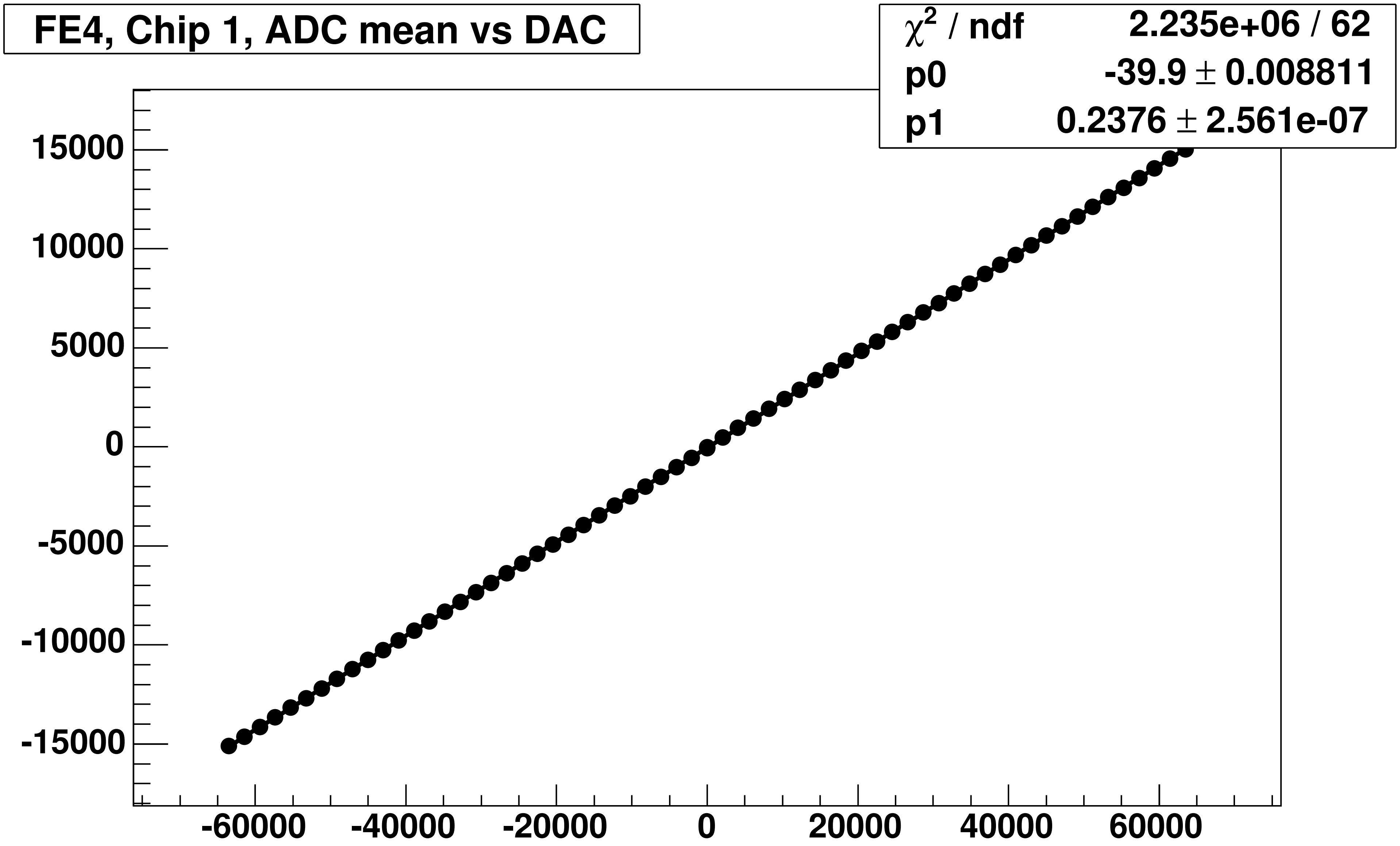

FE3, Chip 11, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

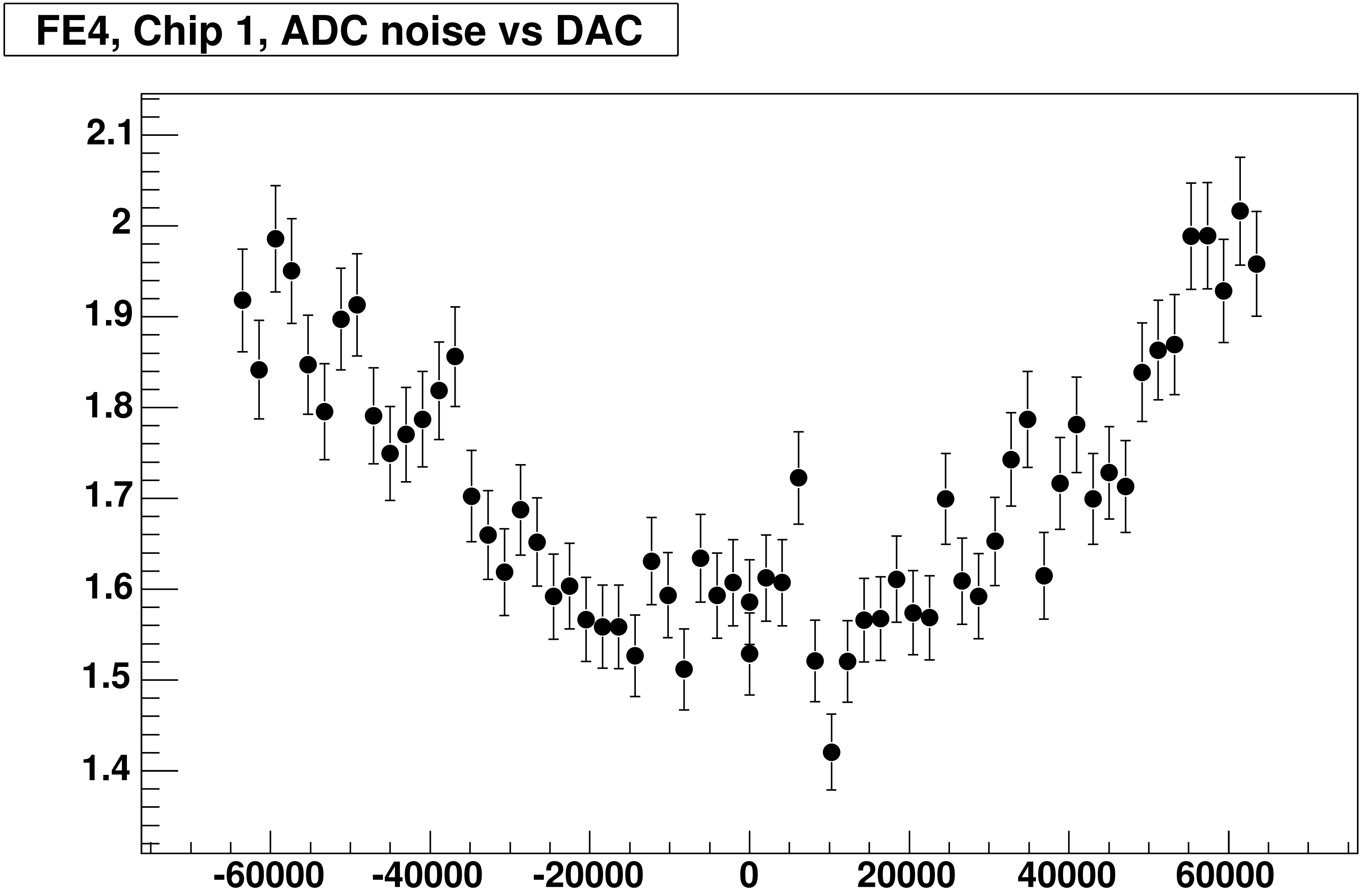

FE3, Chip 11, ADC residuals vs DAC
8
6
4
2
0
-2
-4
-6
-8
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 0, ADC mean vs DAC
χ^2 / ndf 2.033e+06 / 62
p0 -72.12 ± 0.00886
p1 0.2377 ± 2.588e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

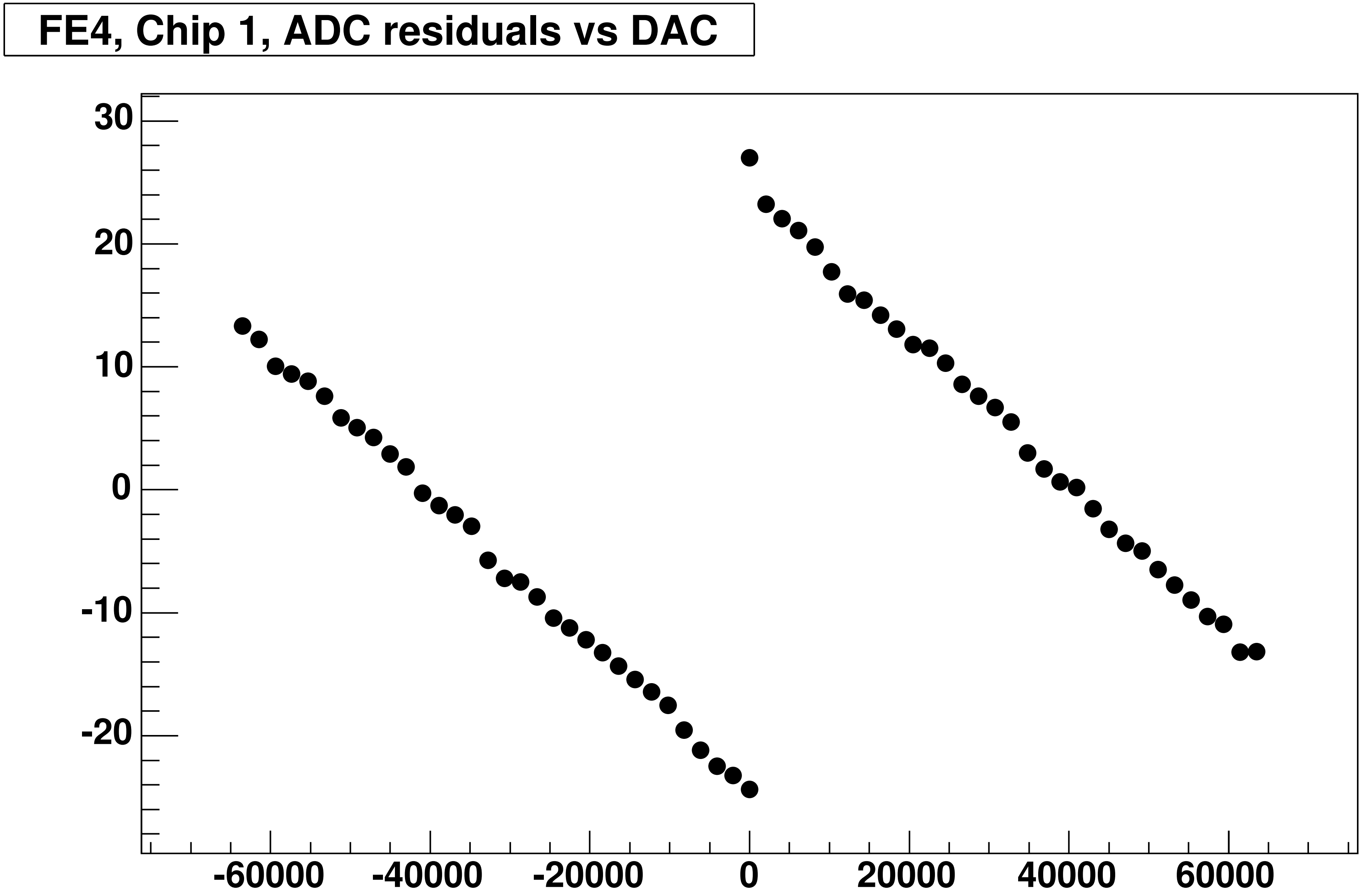

FE4, Chip 0, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

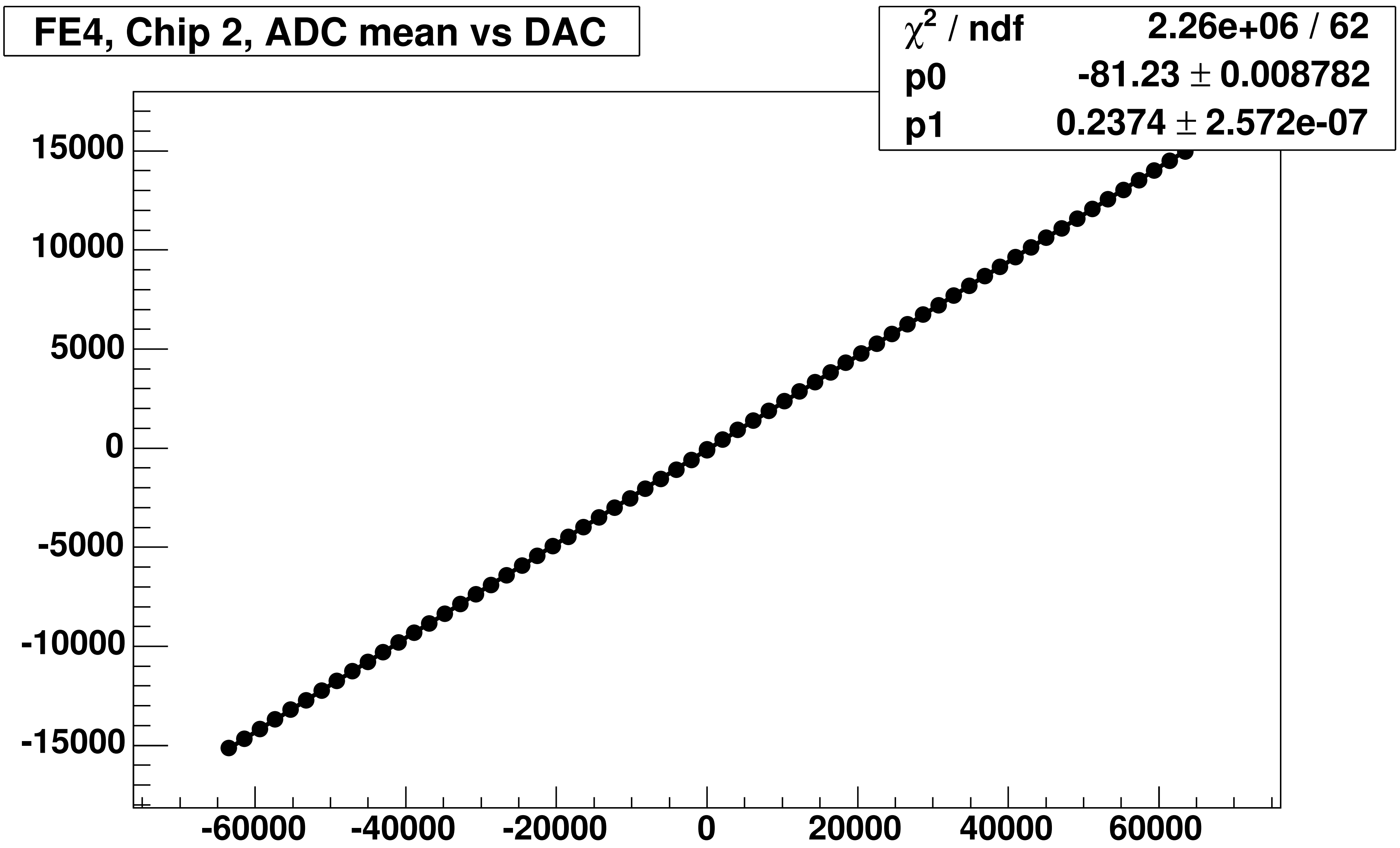

FE4, Chip 0, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 1, ADC mean vs DAC
χ^2 / ndf 2.235e+06 / 62
p0 -39.9 ± 0.008811
p1 0.2376 ± 2.561e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

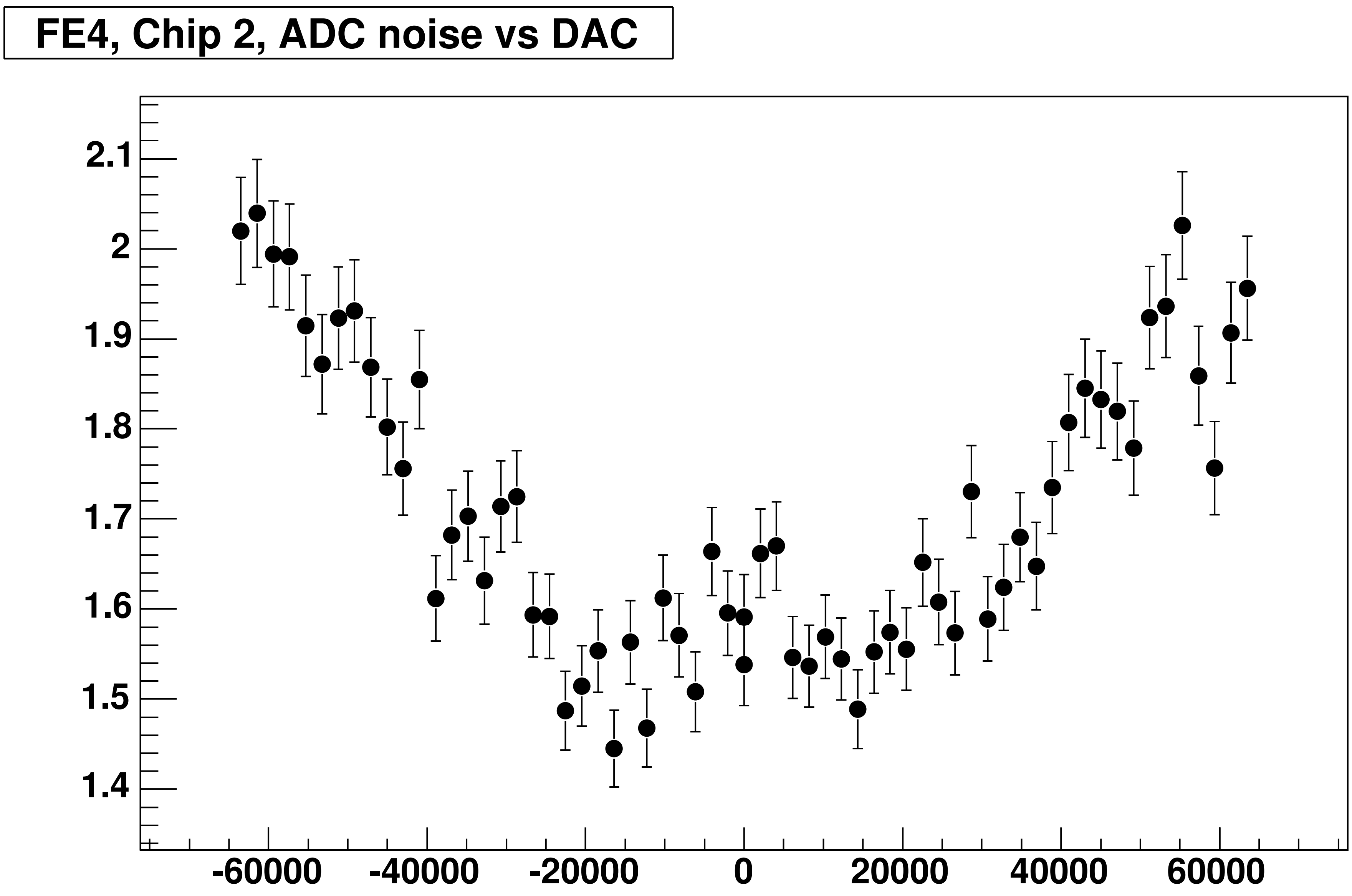


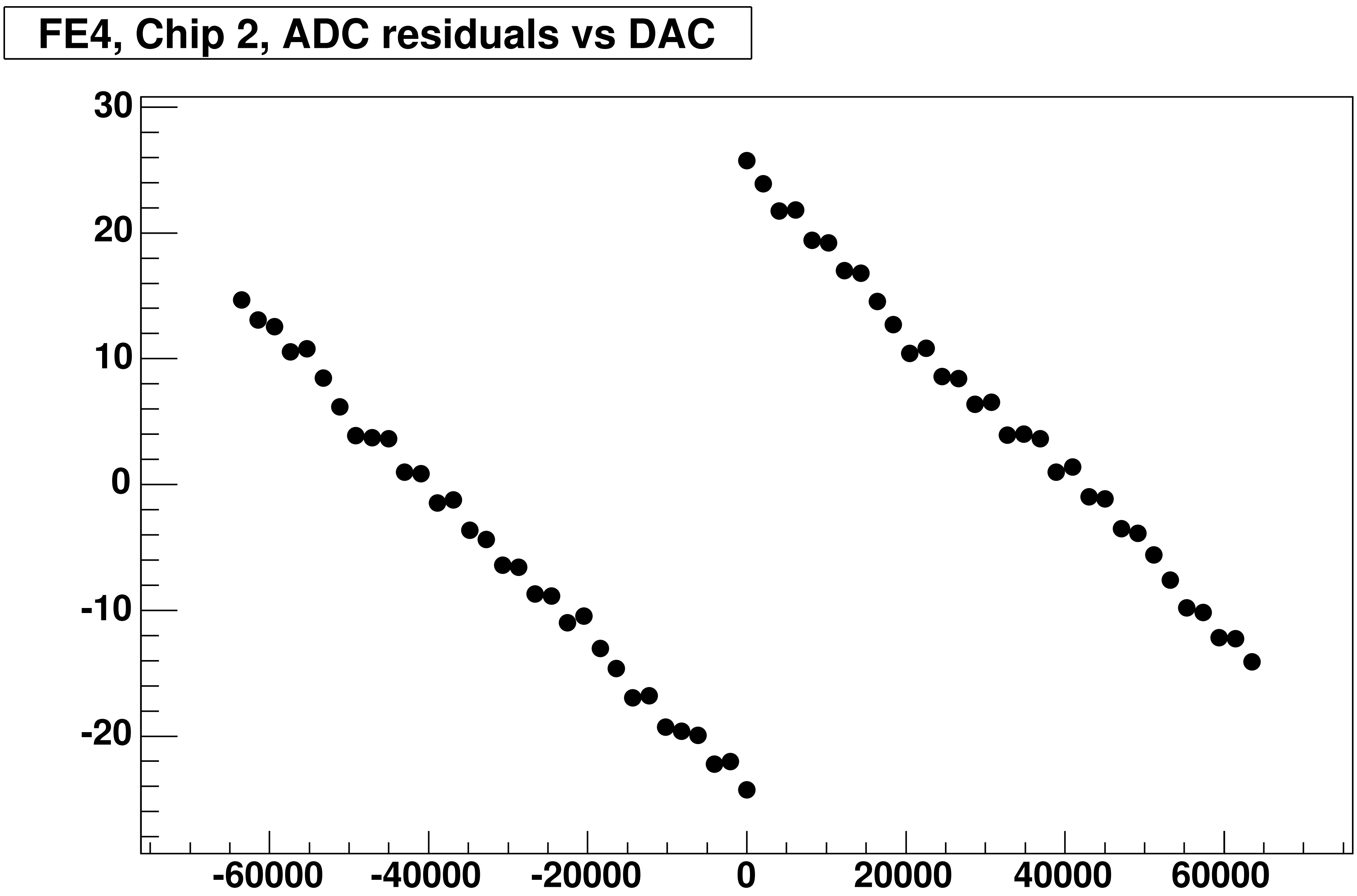
FE4, Chip 1, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

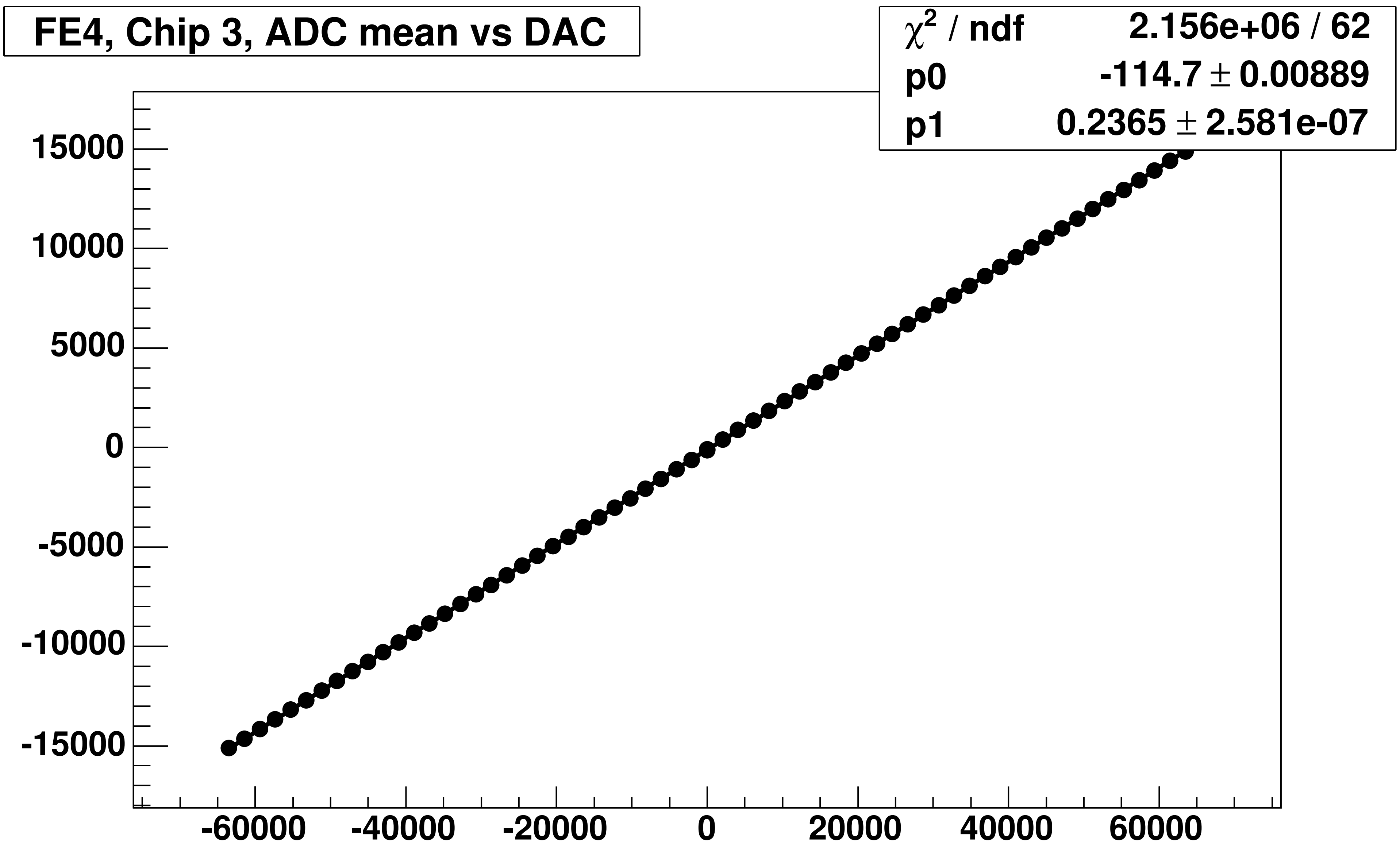

FE4, Chip 1, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

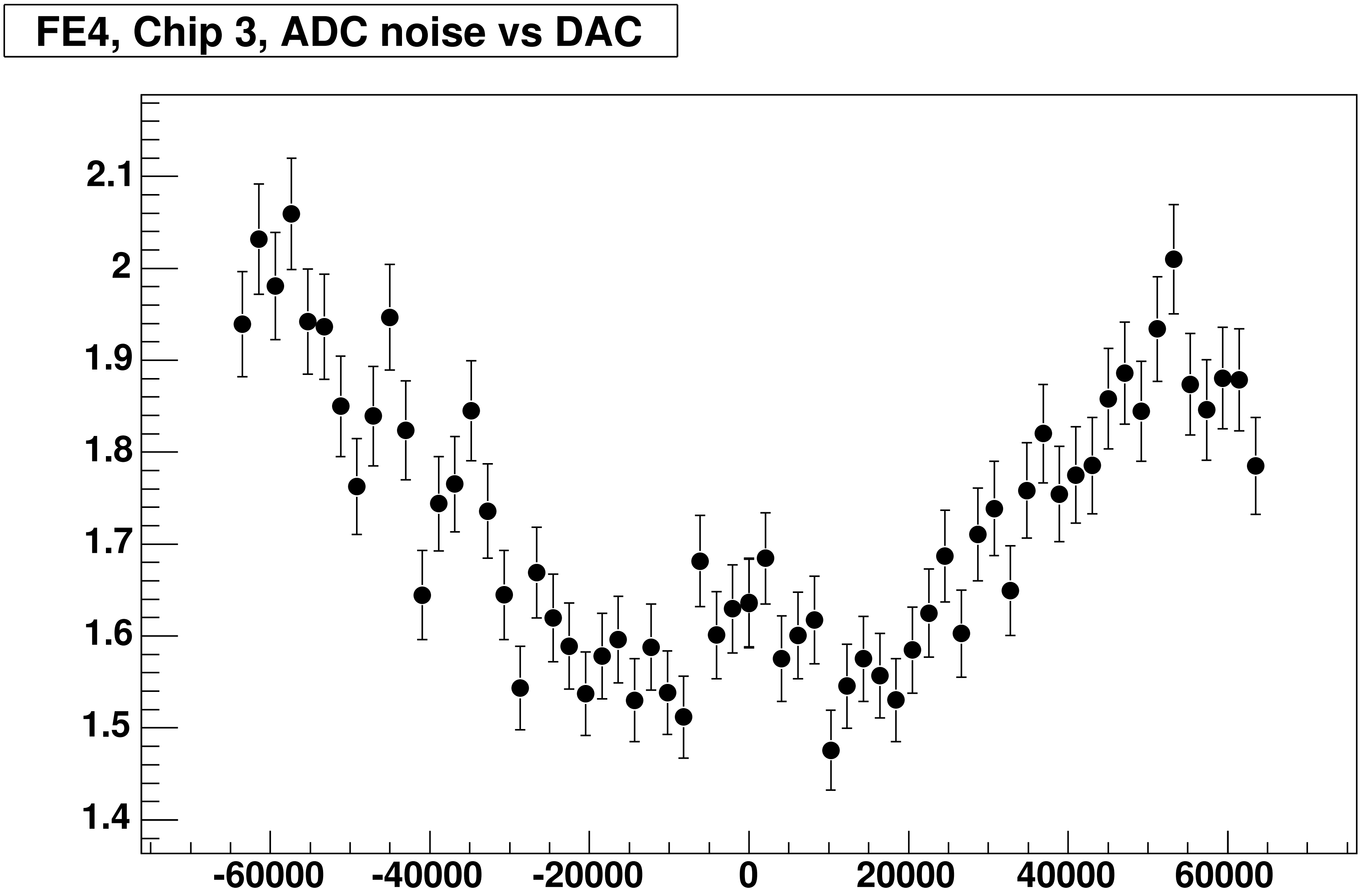


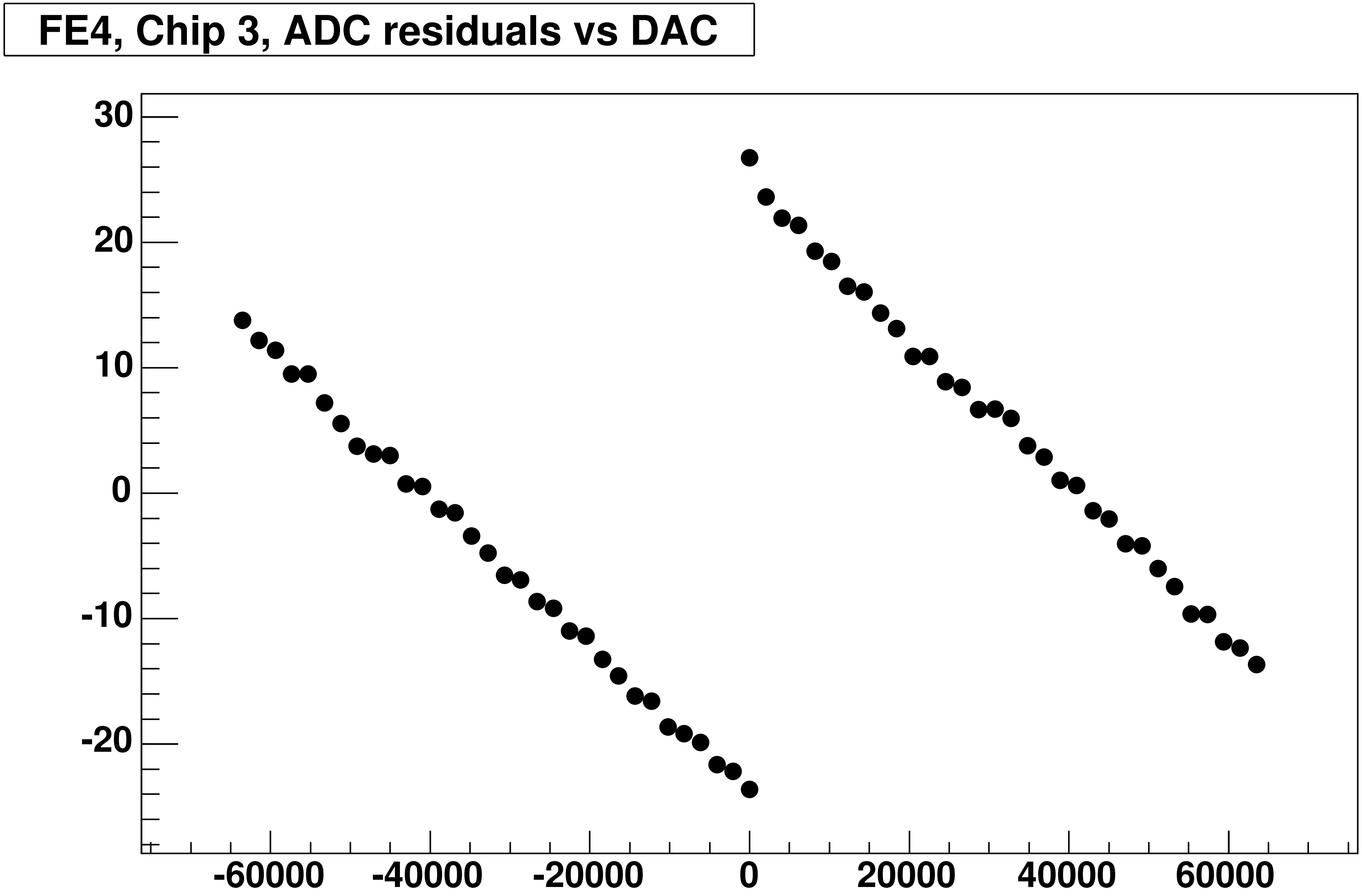
FE4, Chip 2, ADC mean vs DAC
χ^2 / ndf 2.26e+06 / 62
p0 -81.23 ± 0.008782
p1 0.2374 ± 2.572e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

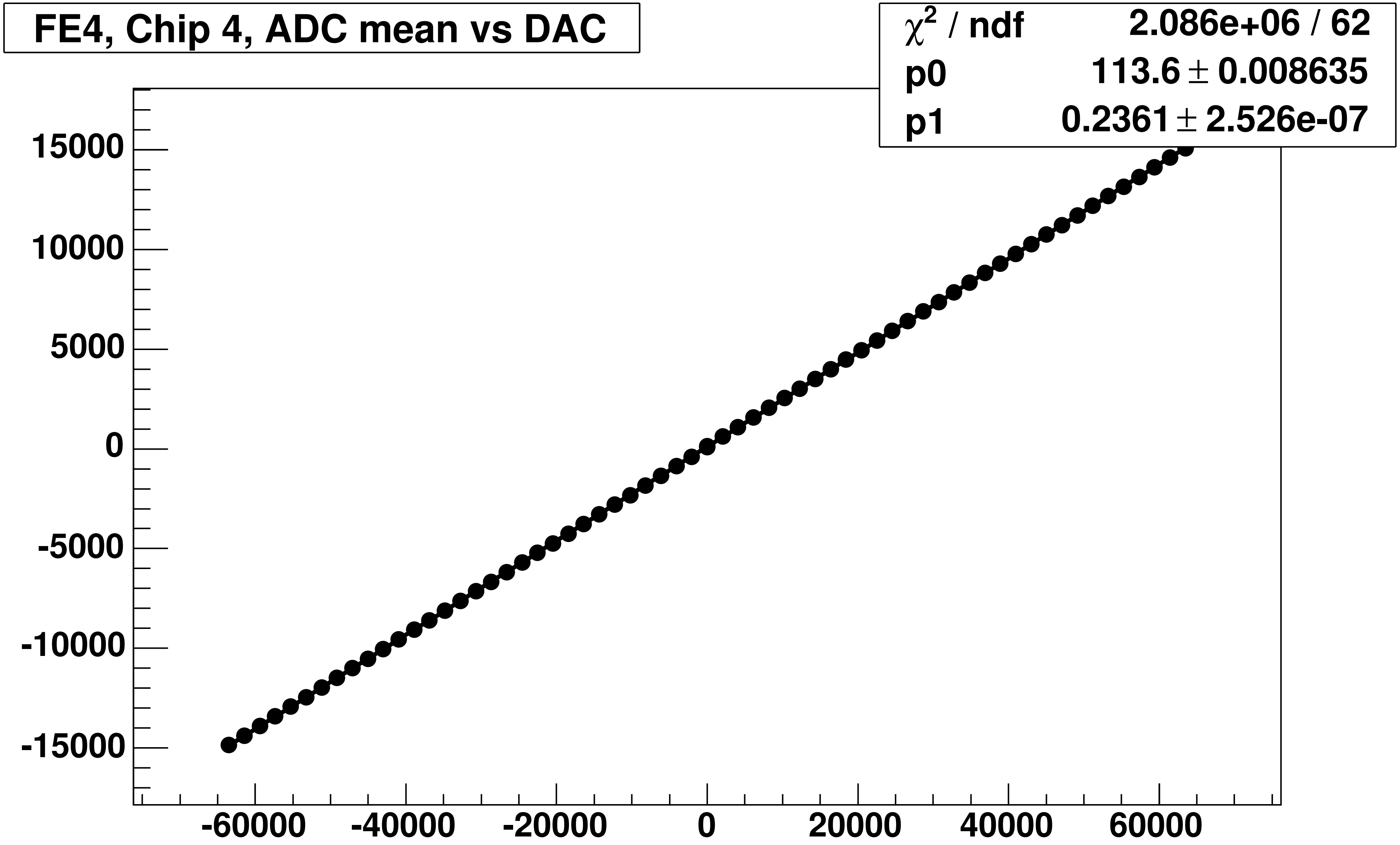

FE4, Chip 2, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 2, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

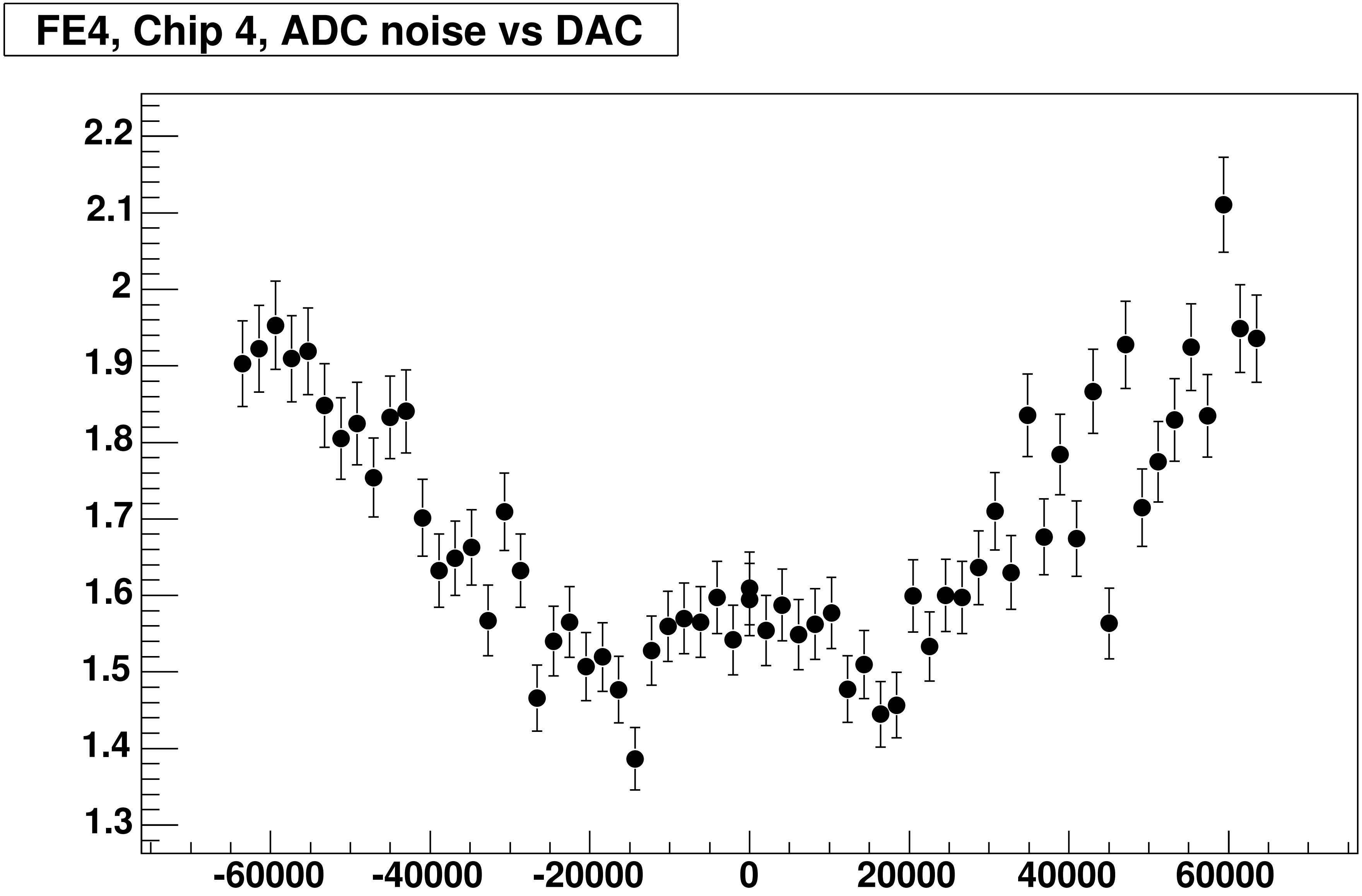

FE4, Chip 3, ADC mean vs DAC
χ^2 / ndf 2.156e+06 / 62
p0 -114.7 ± 0.00889
p1 0.2365 ± 2.581e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

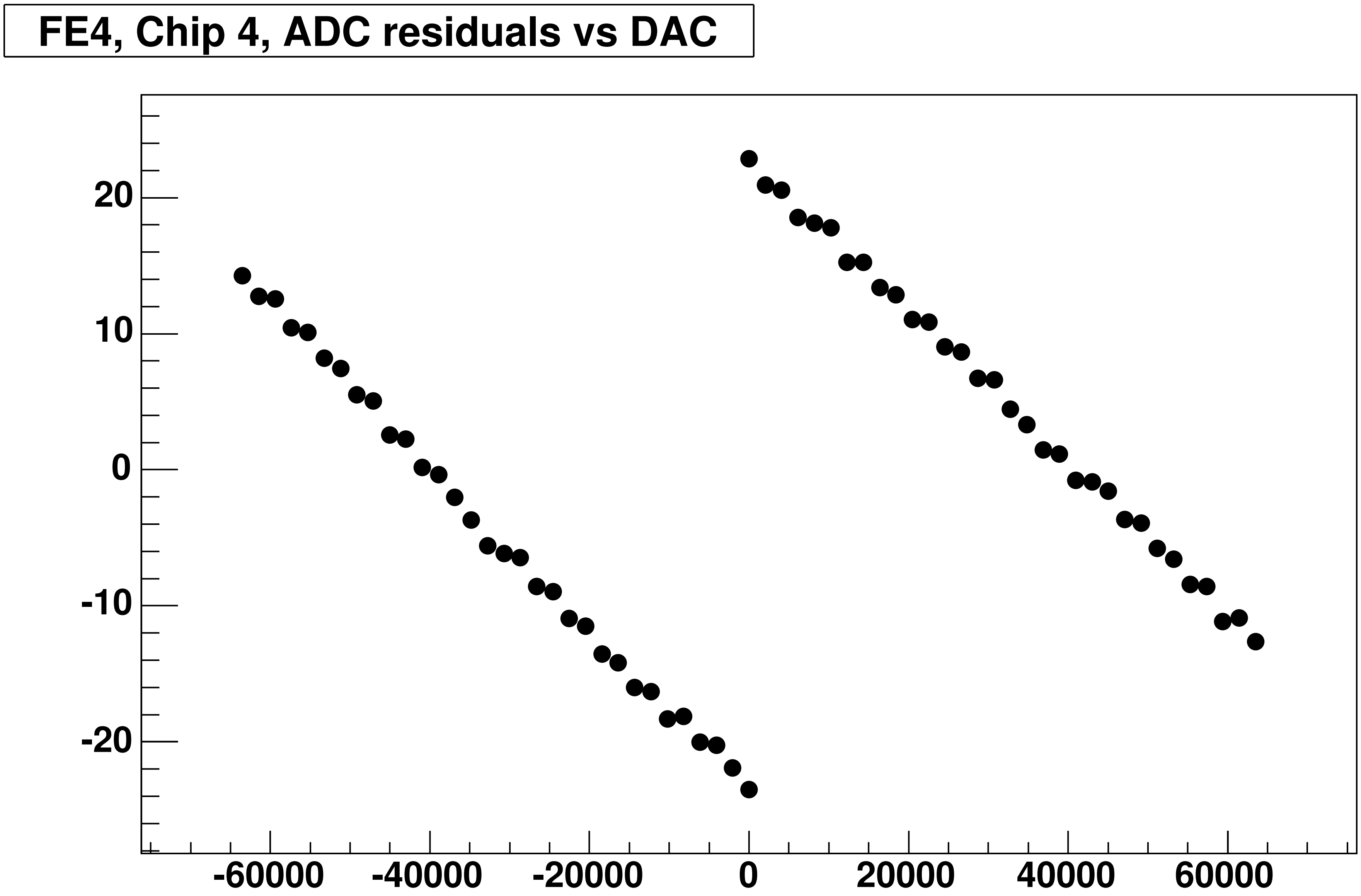

FE4, Chip 3, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

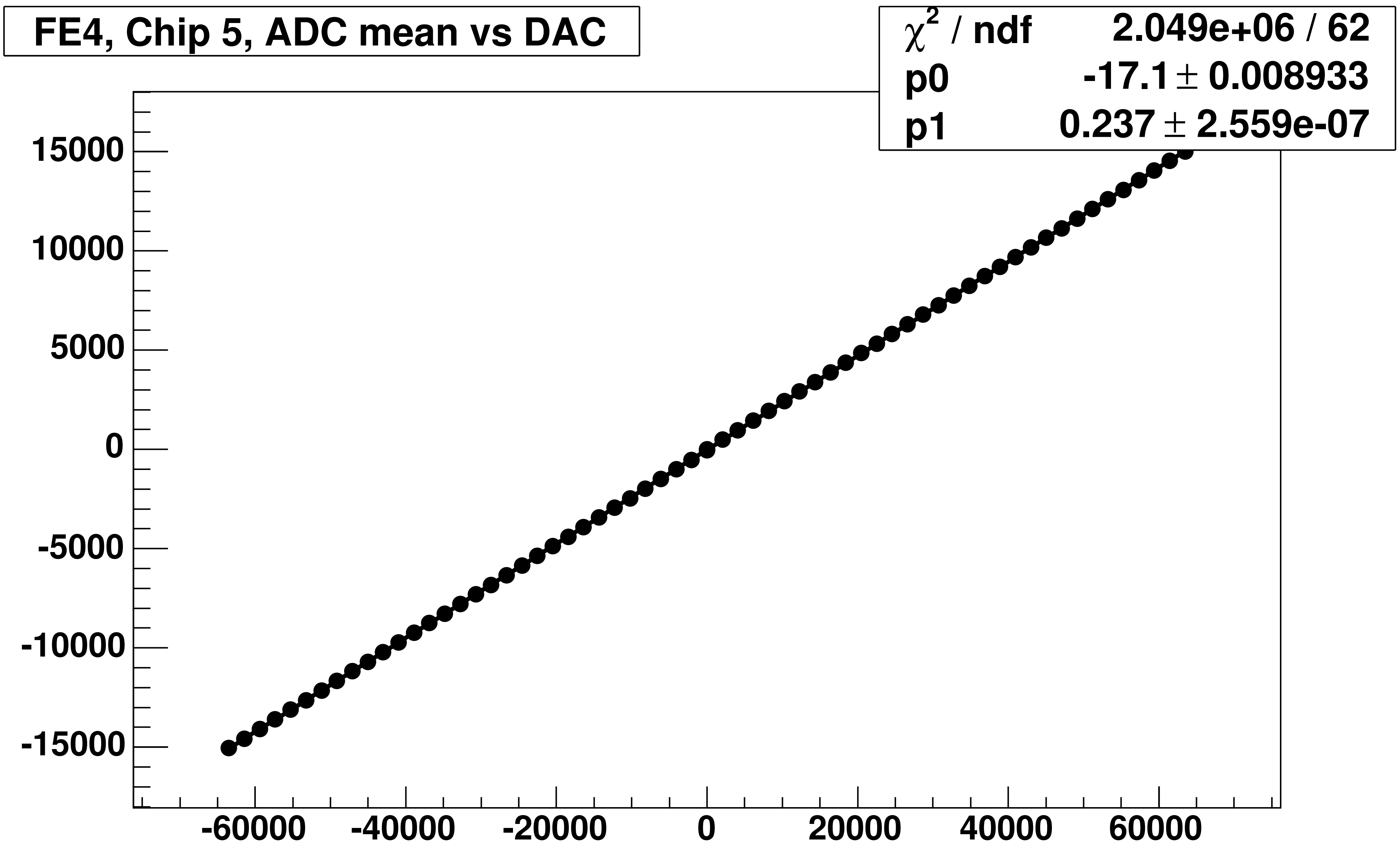

FE4, Chip 3, ADC residuals vs DAC
30
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

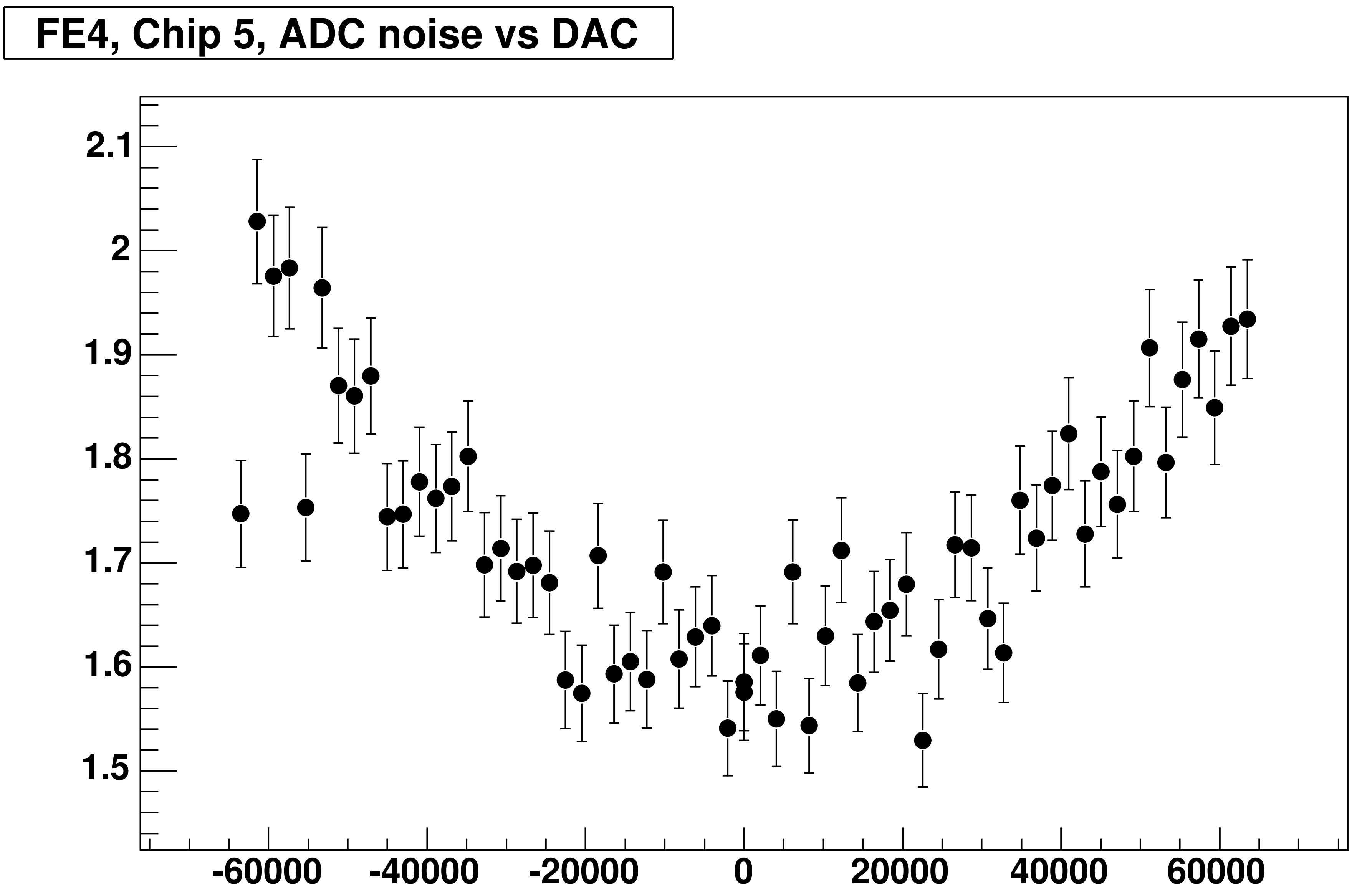


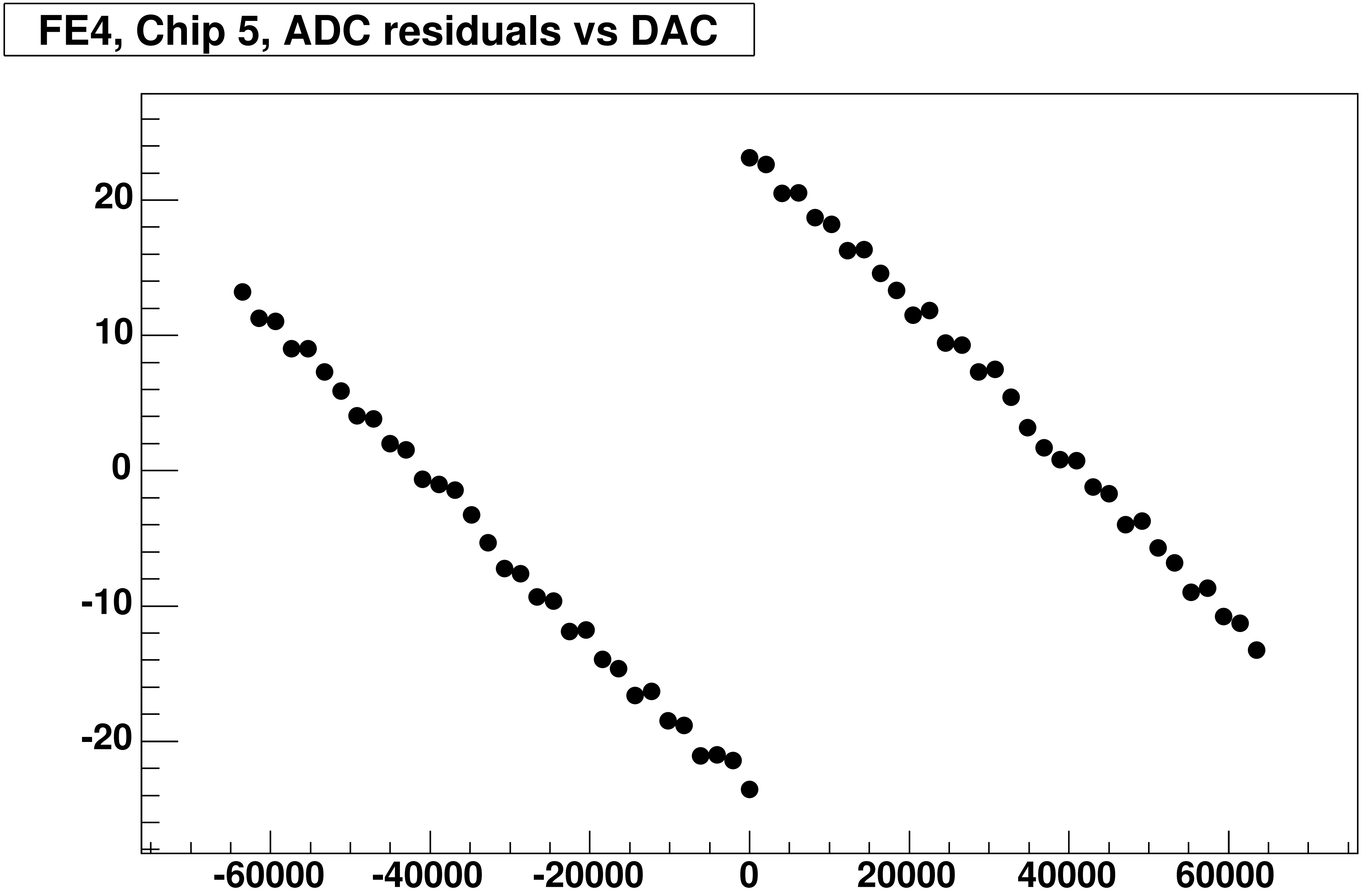
FE4, Chip 4, ADC mean vs DAC
χ^2 / ndf 2.086e+06 / 62
p0 113.6 ± 0.008635
p1 0.2361 ± 2.526e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

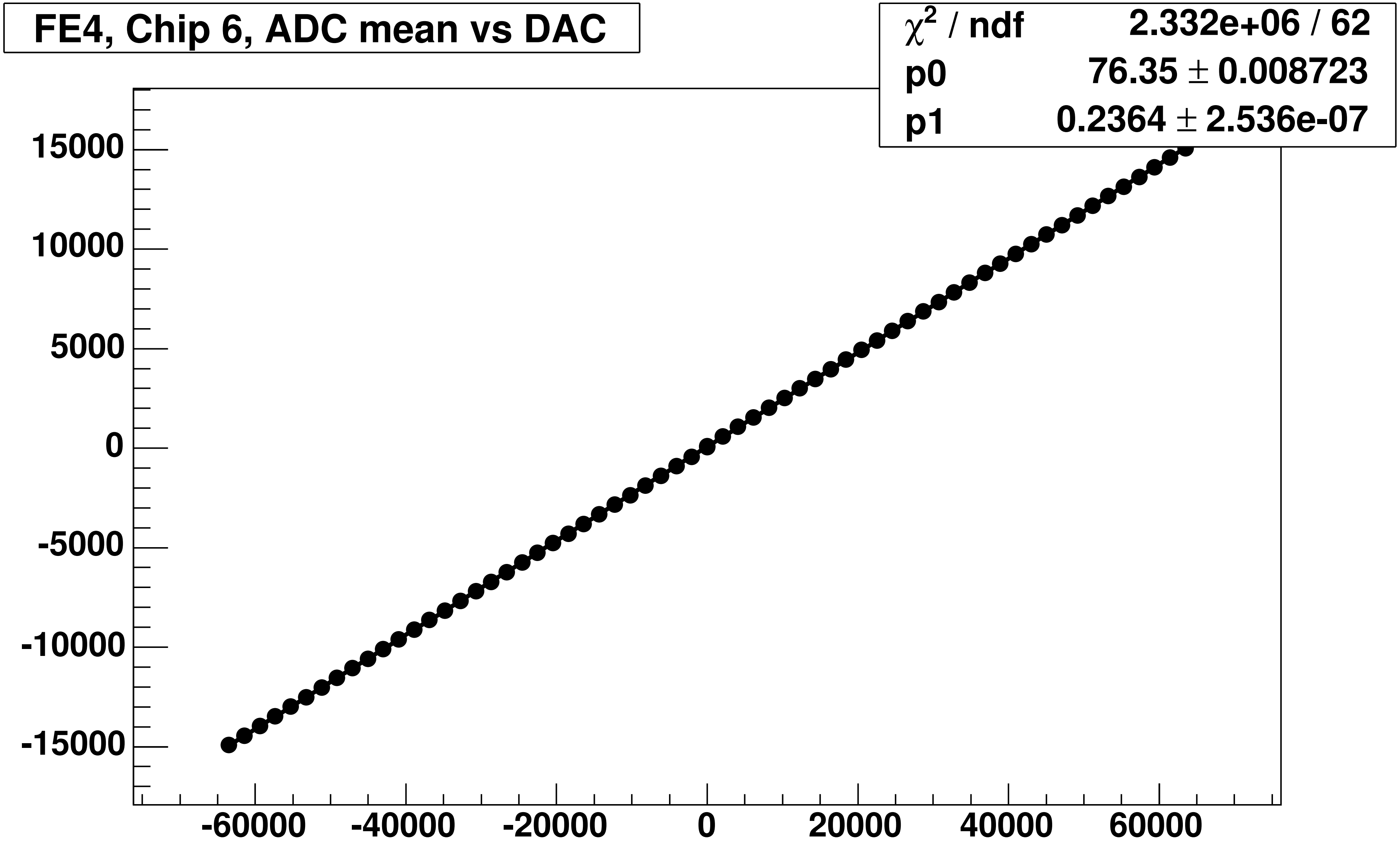

FE4, Chip 4, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 4, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

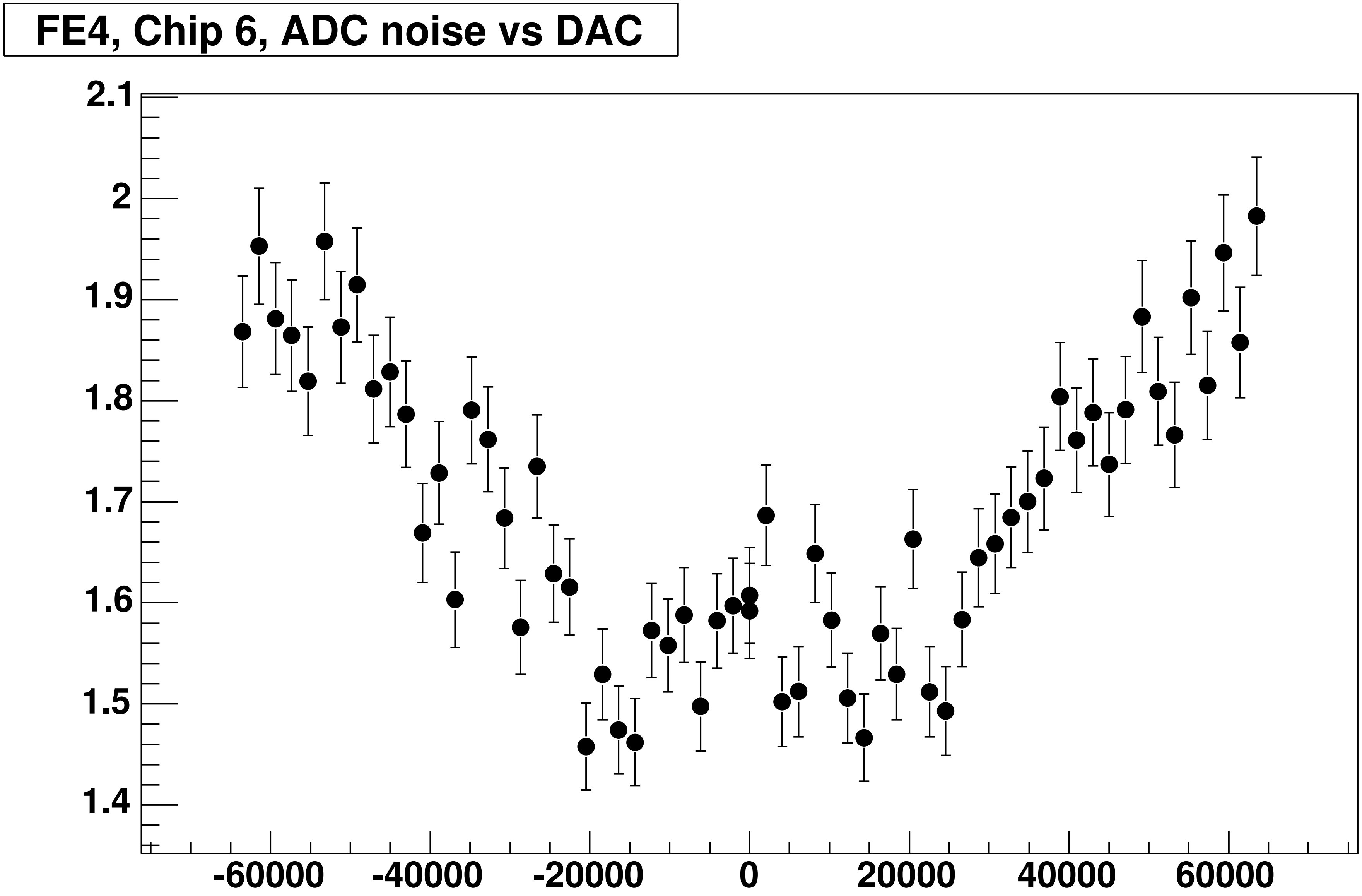

FE4, Chip 5, ADC mean vs DAC
χ^2 / ndf 2.049e+06 / 62
p0 -17.1 ± 0.008933
p1 0.237 ± 2.559e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

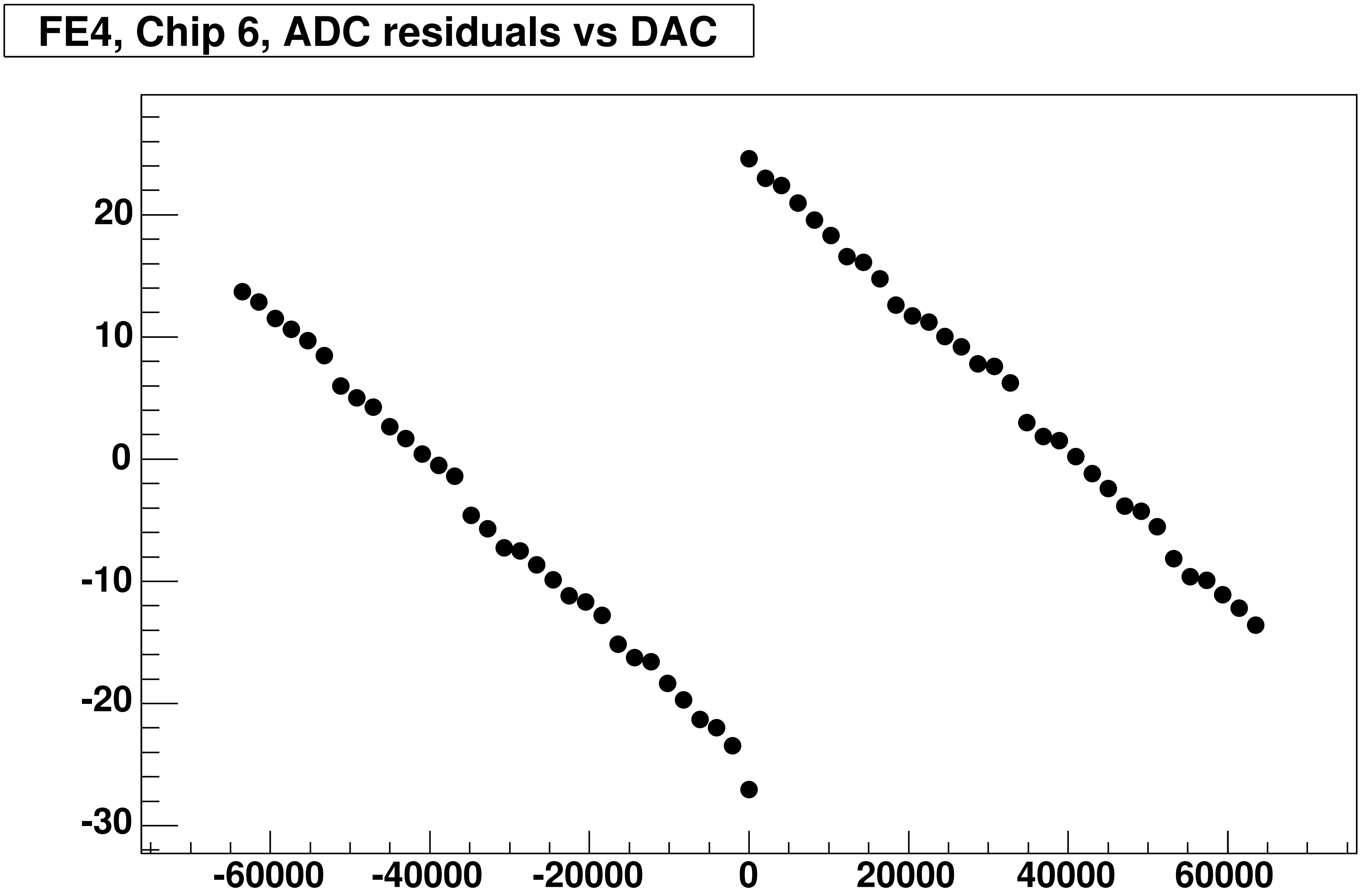

FE4, Chip 5, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
-60000
-40000
-20000
0
20000
40000
60000

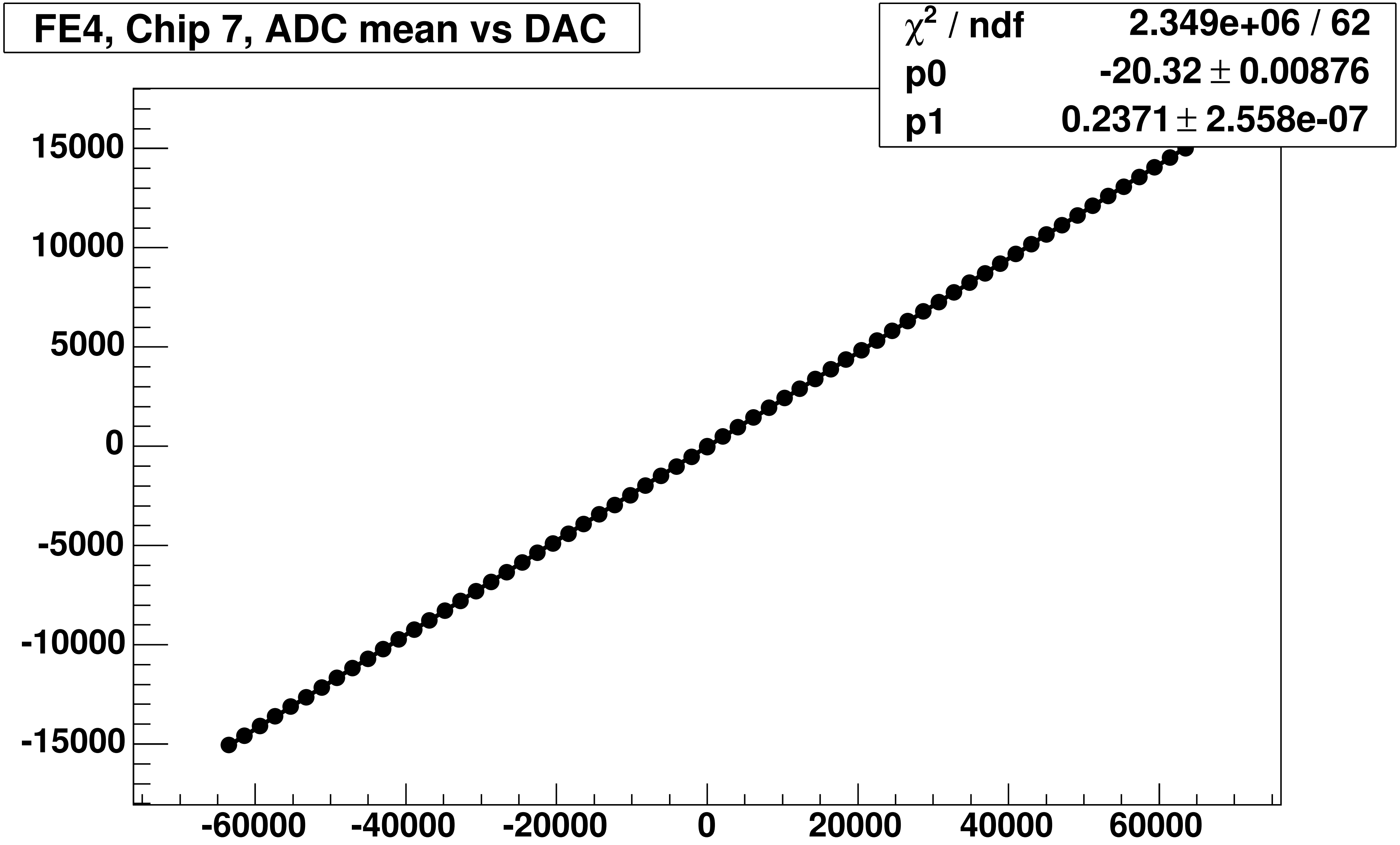

FE4, Chip 5, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000



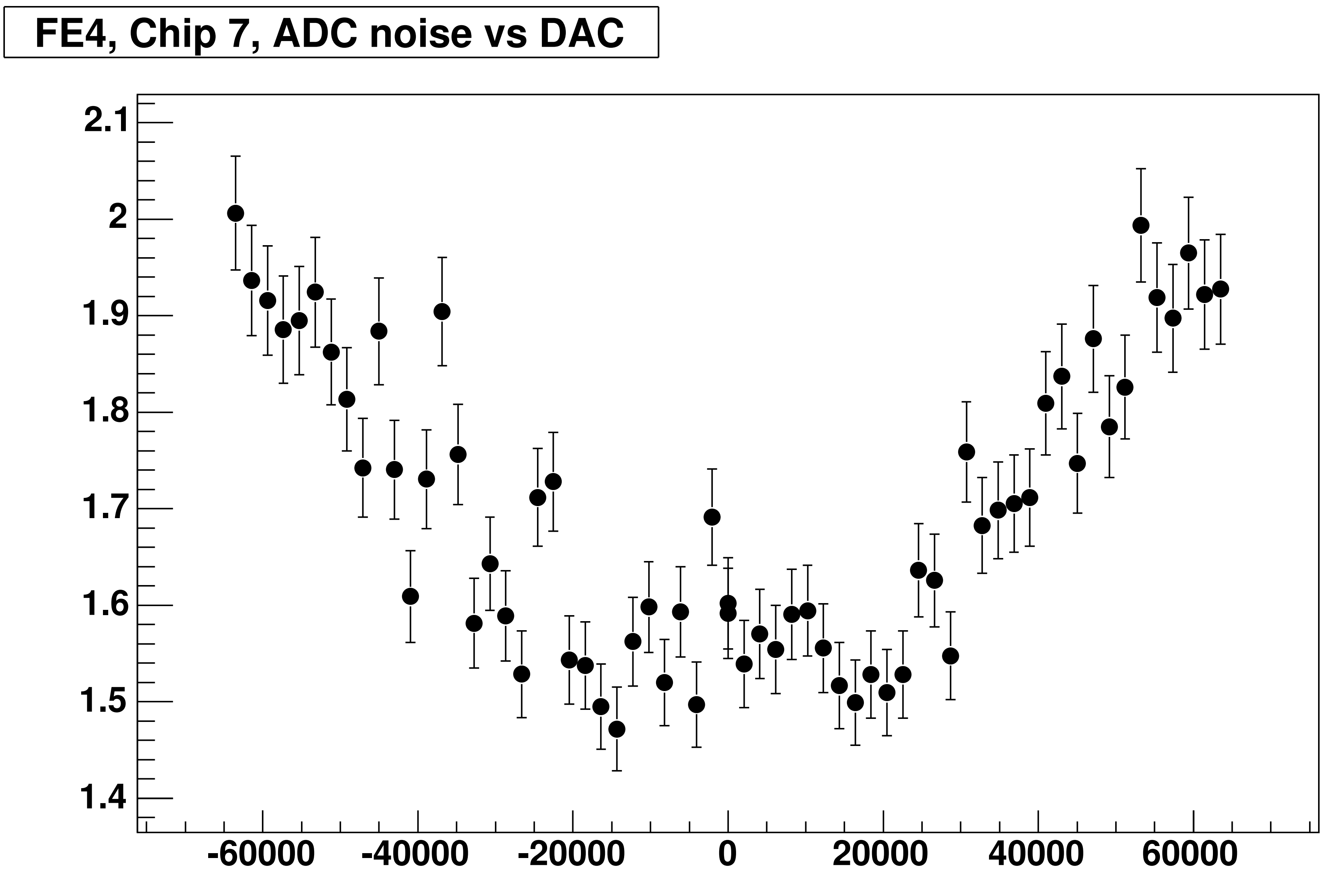
FE4, Chip 6, ADC mean vs DAC
χ² / ndf 2.332e+06 / 62
p0 76.35 ± 0.008723
p1 0.2364 ± 2.536e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

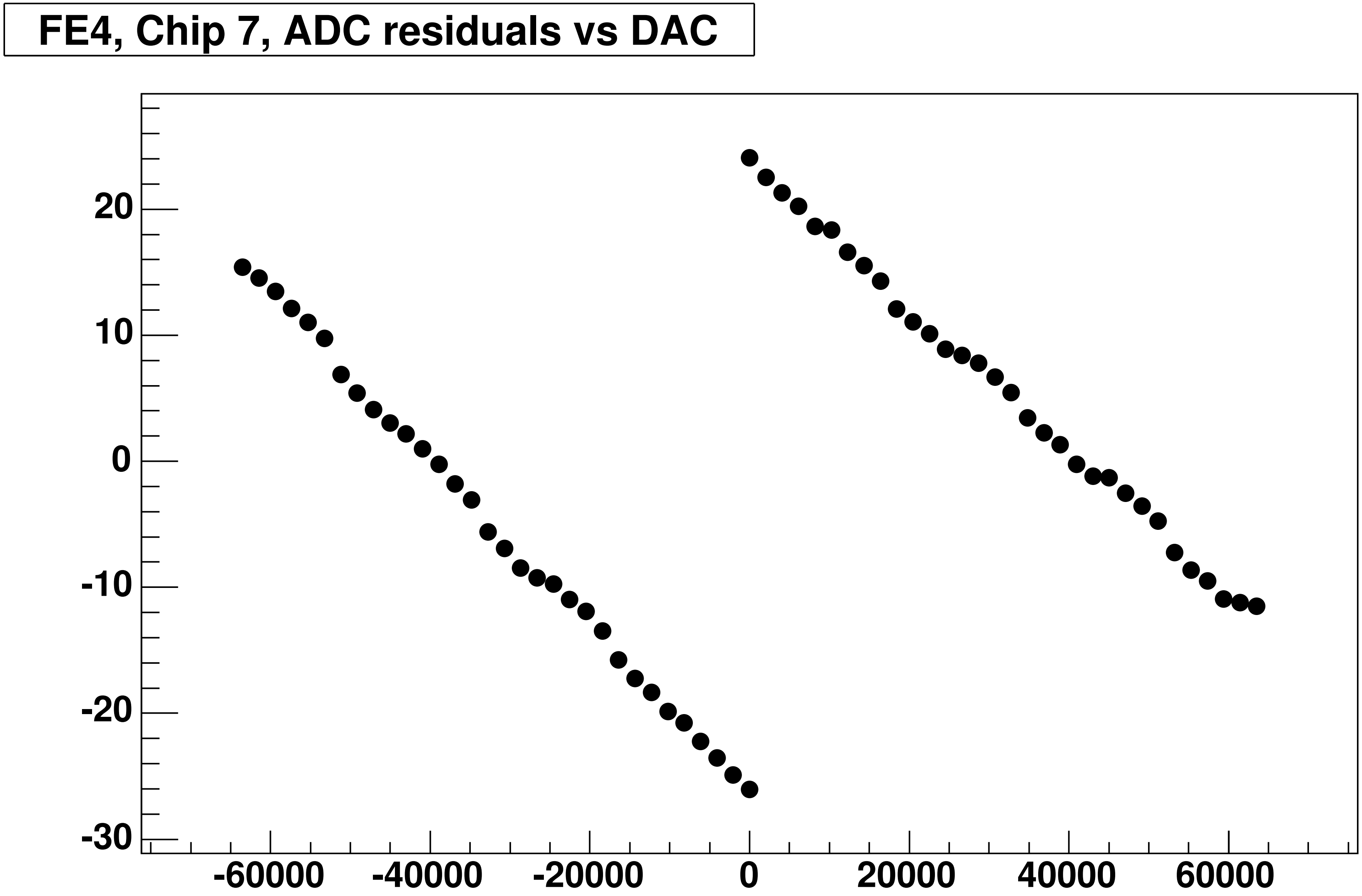

FE4, Chip 6, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

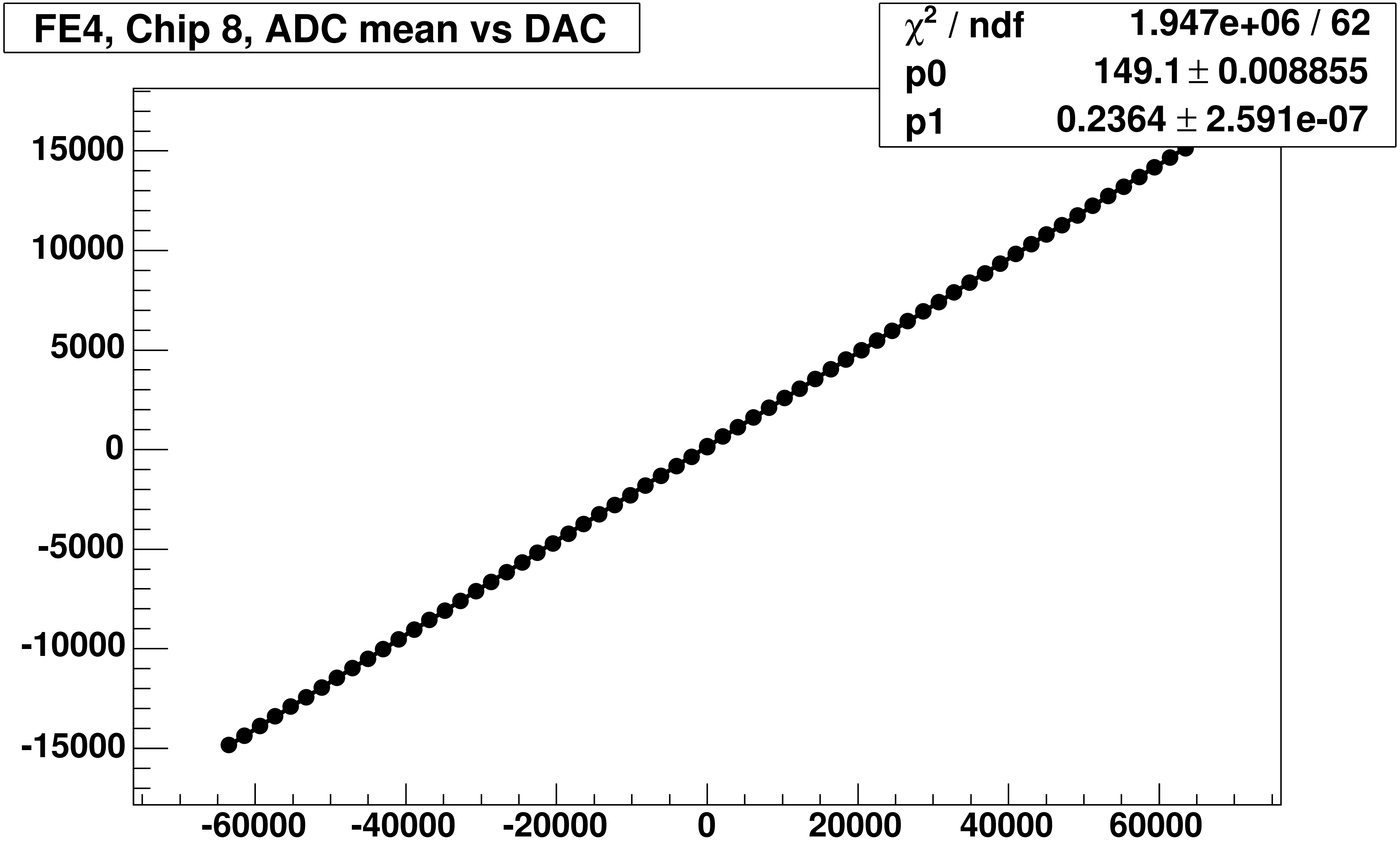

FE4, Chip 6, ADC residuals vs DAC
20
10
0
-10
-20
-30
-60000
-40000
-20000
0
20000
40000
60000



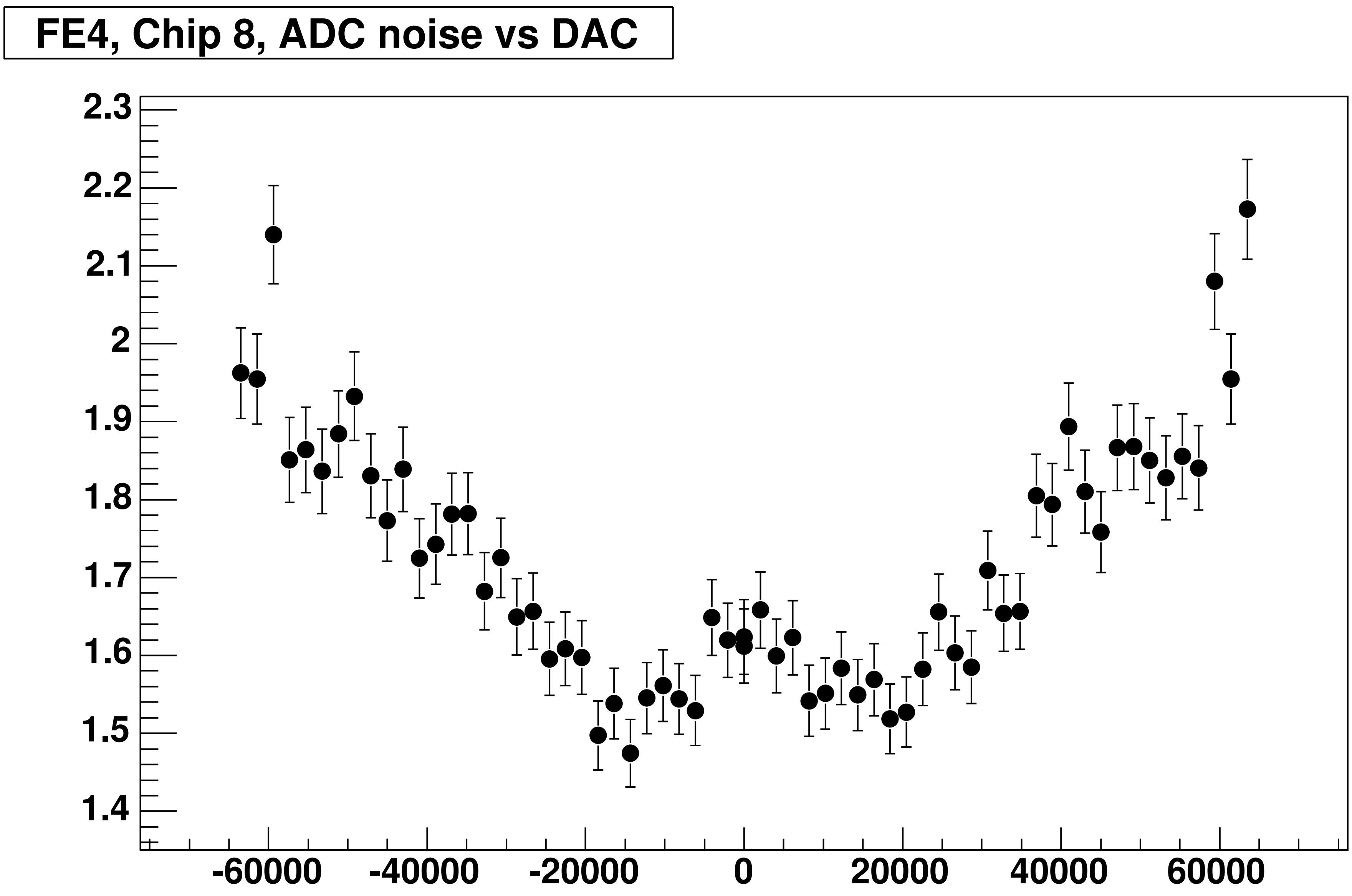
FE4, Chip 7, ADC mean vs DAC
χ^2 / ndf 2.349e+06 / 62
p0 -20.32 ± 0.00876
p1 0.2371 ± 2.558e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

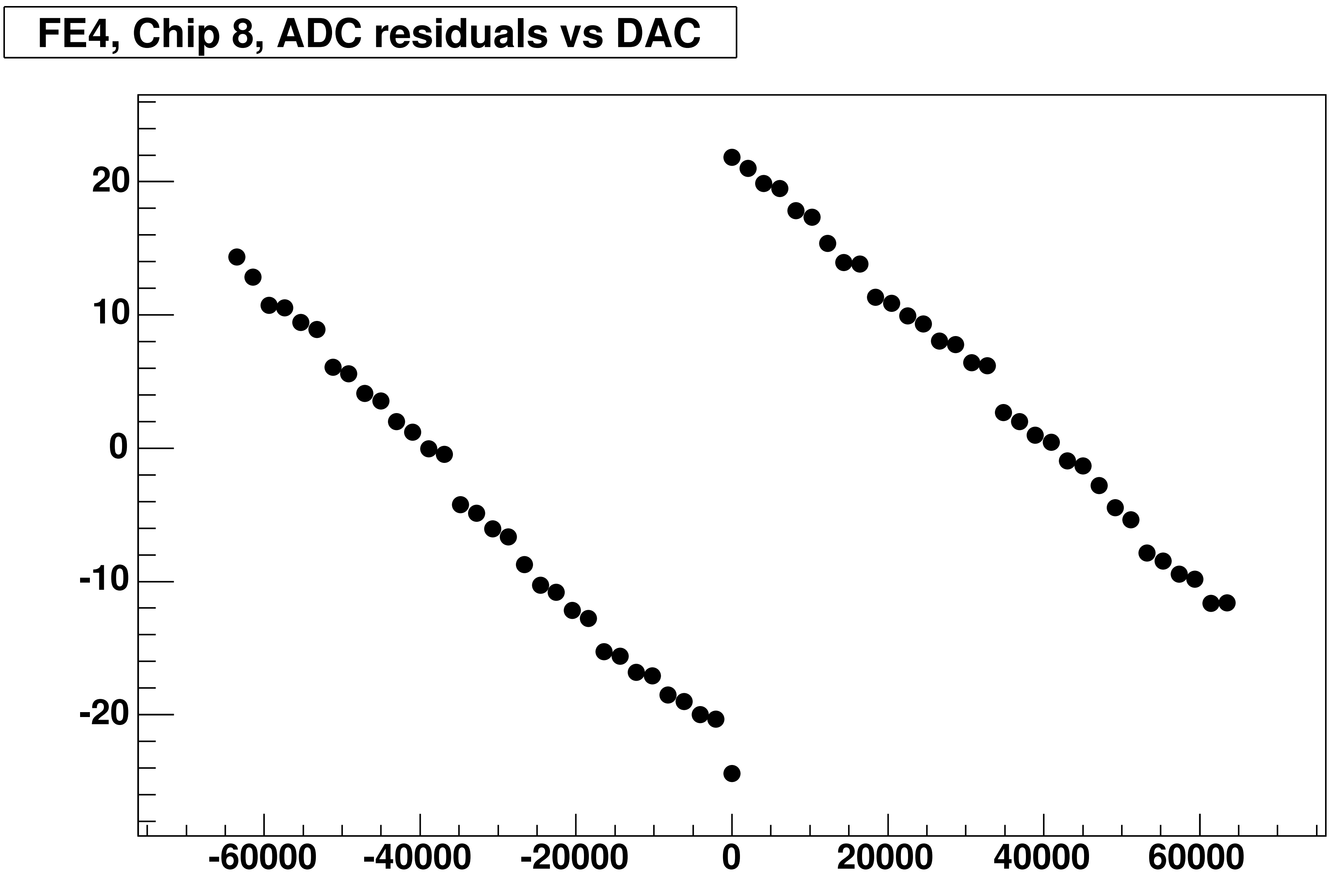

FE4, Chip 7, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

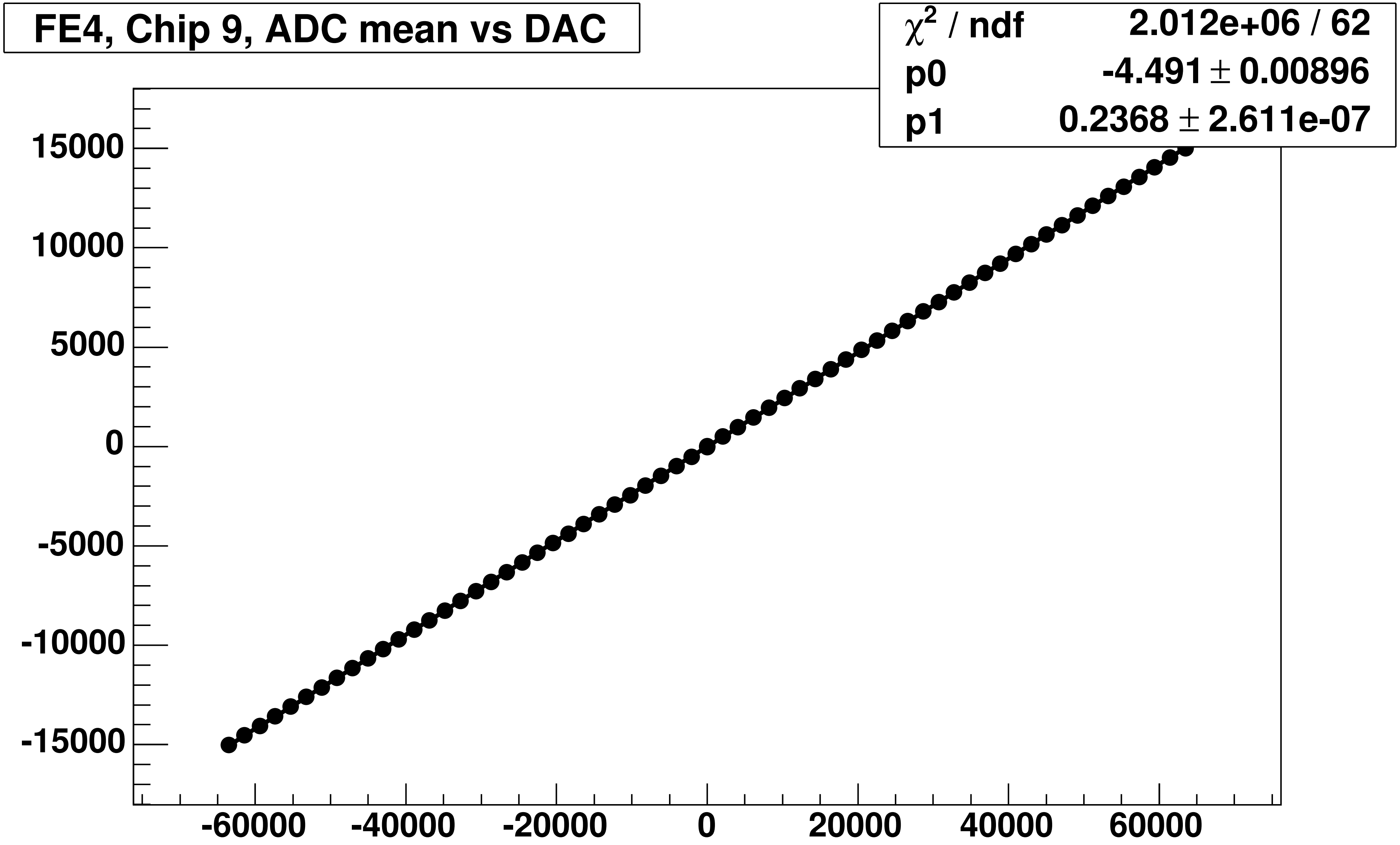

FE4, Chip 7, ADC residuals vs DAC
20
10
0
-10
-20
-30
-60000
-40000
-20000
0
20000
40000
60000



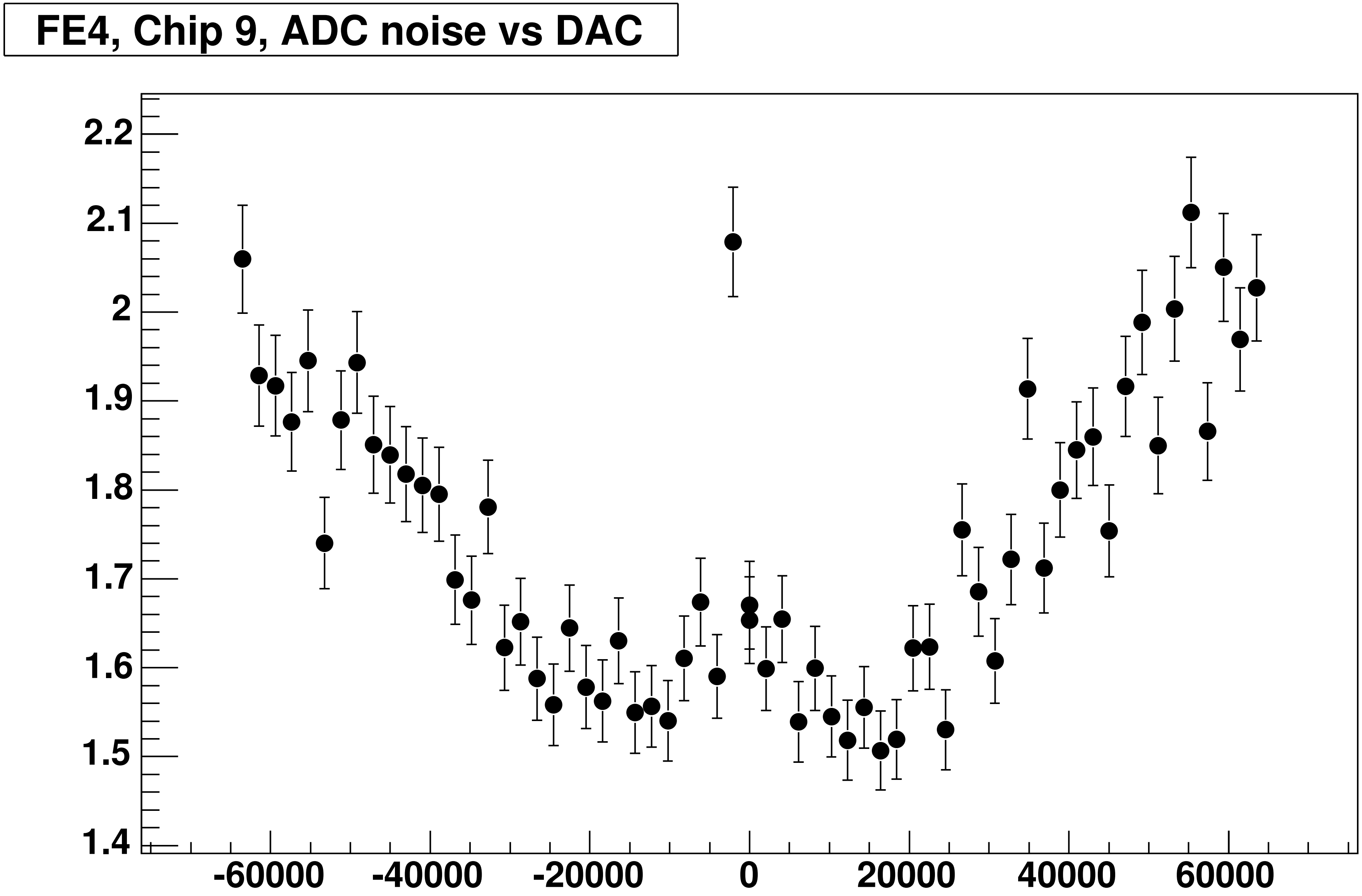
FE4, Chip 8, ADC mean vs DAC
χ^2 / ndf 1.947e+06 / 62
p0 149.1 ± 0.008855
p1 0.2364 ± 2.591e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 8, ADC noise vs DAC
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

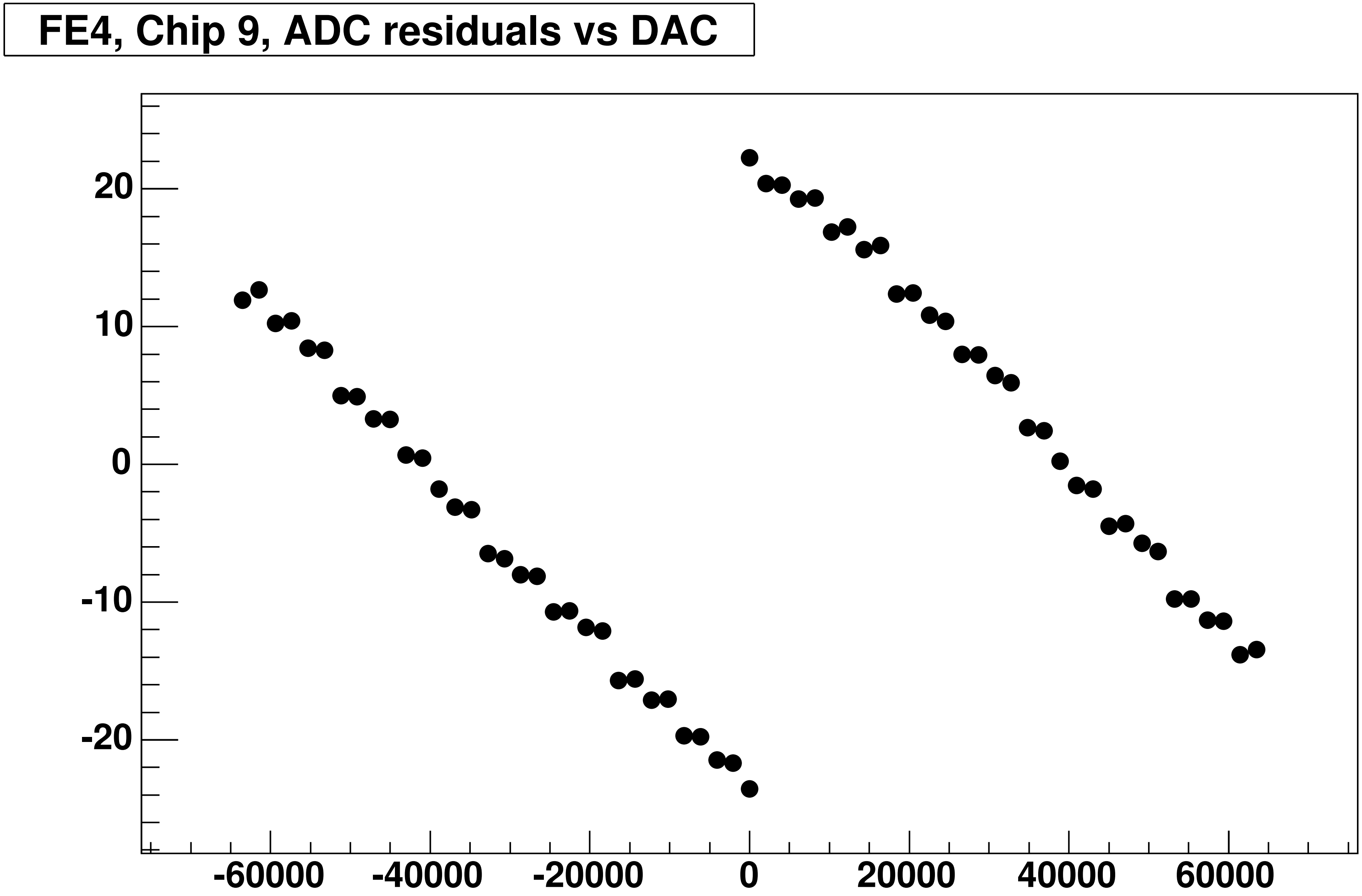

FE4, Chip 8, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

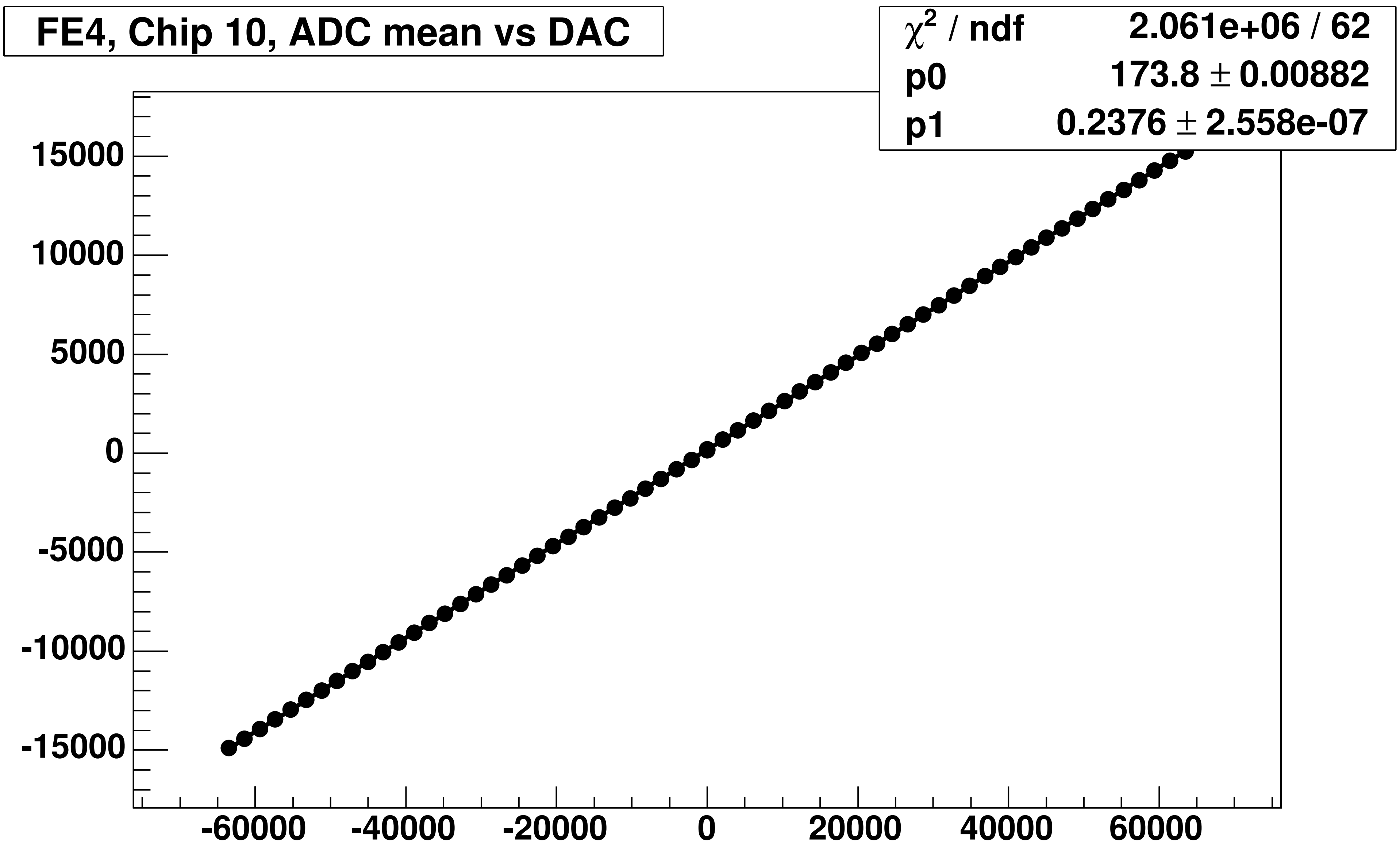


FE4, Chip 9, ADC mean vs DAC
χ^2 / ndf 2.012e+06 / 62
p0 -4.491 ± 0.00896
p1 0.2368 ± 2.611e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

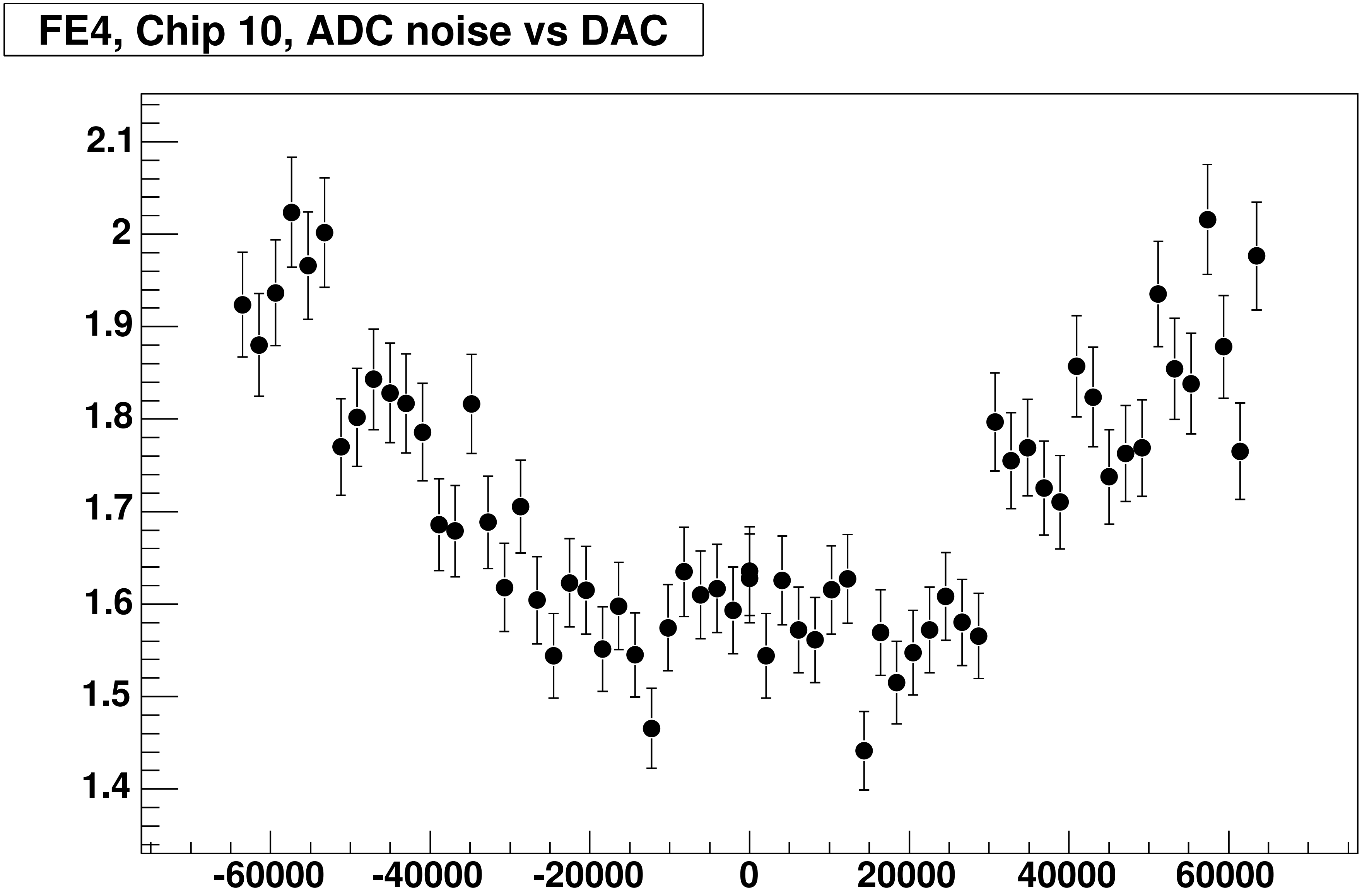


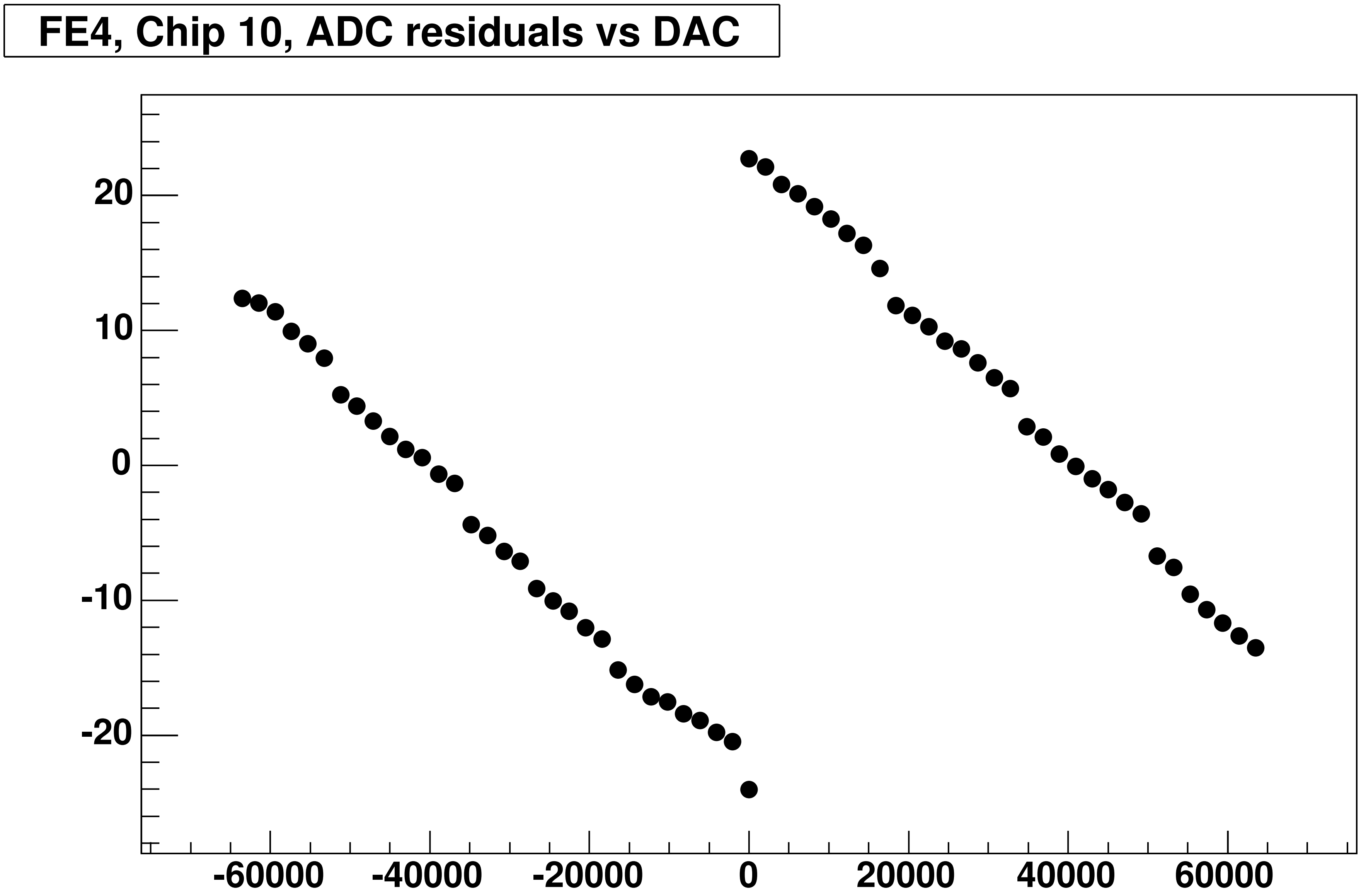
FE4, Chip 9, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

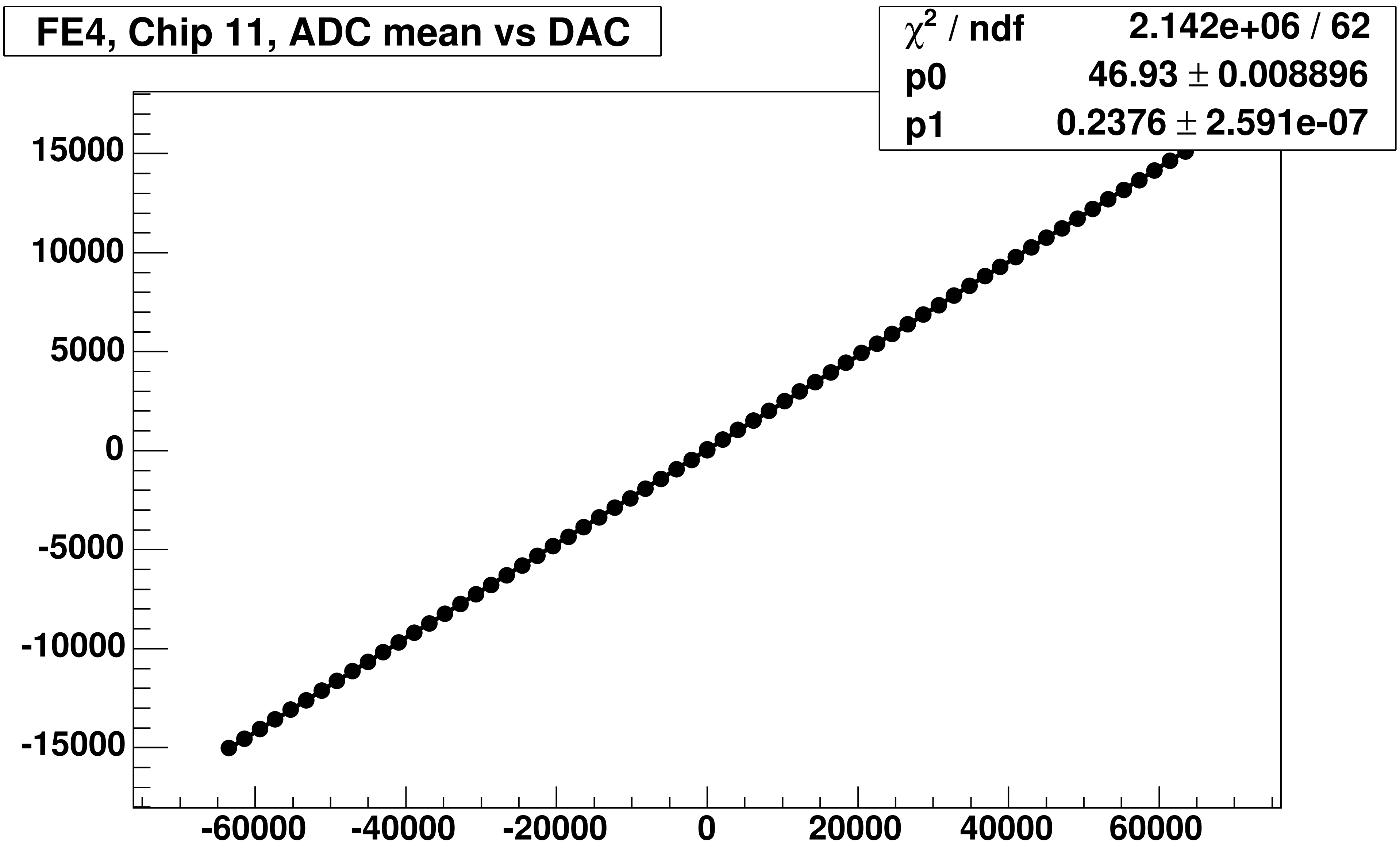

FE4, Chip 9, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

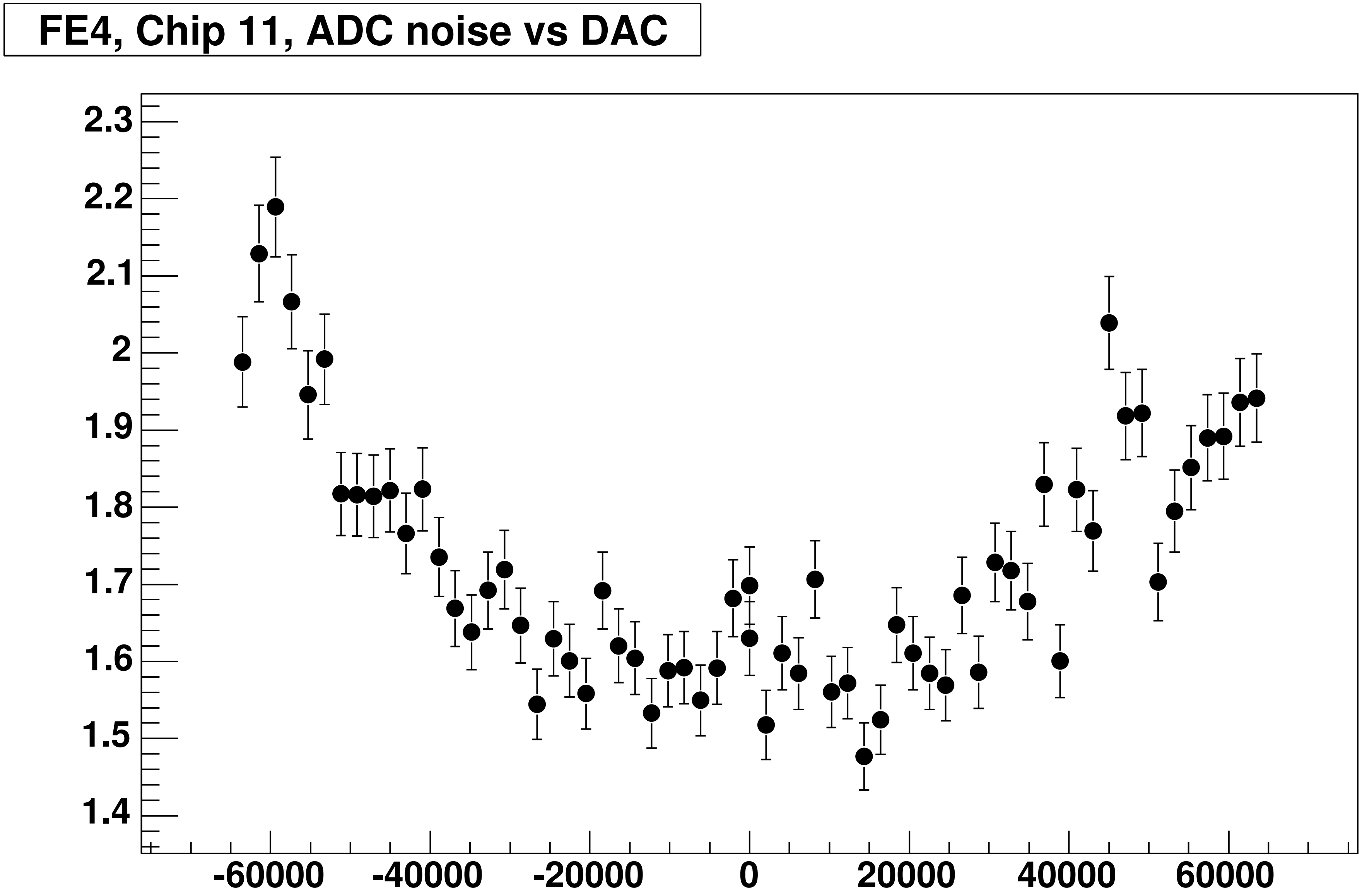


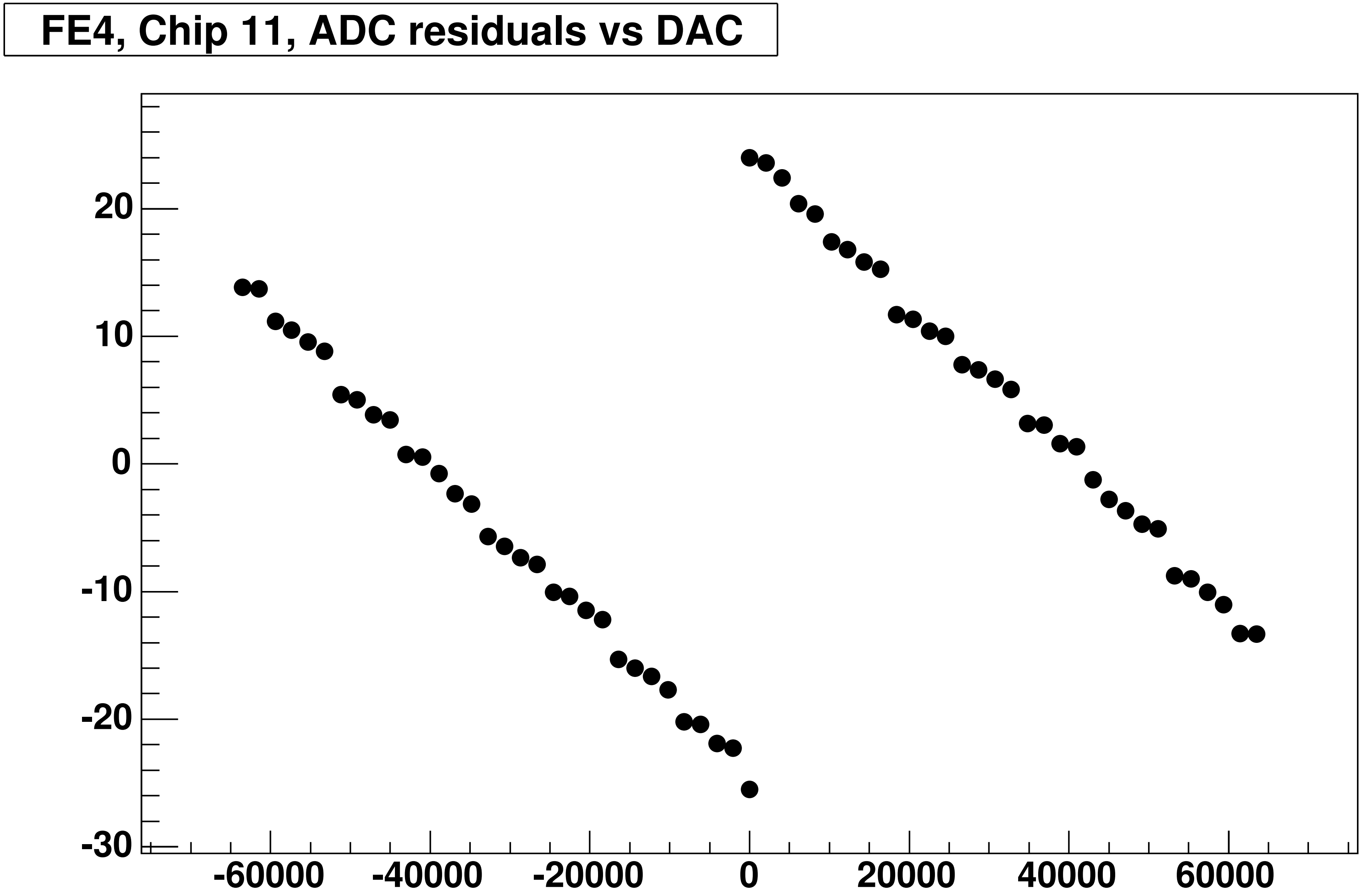
FE4, Chip 10, ADC mean vs DAC
χ^2 / ndf 2.061e+06 / 62
p0 173.8 ± 0.00882
p1 0.2376 ± 2.558e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

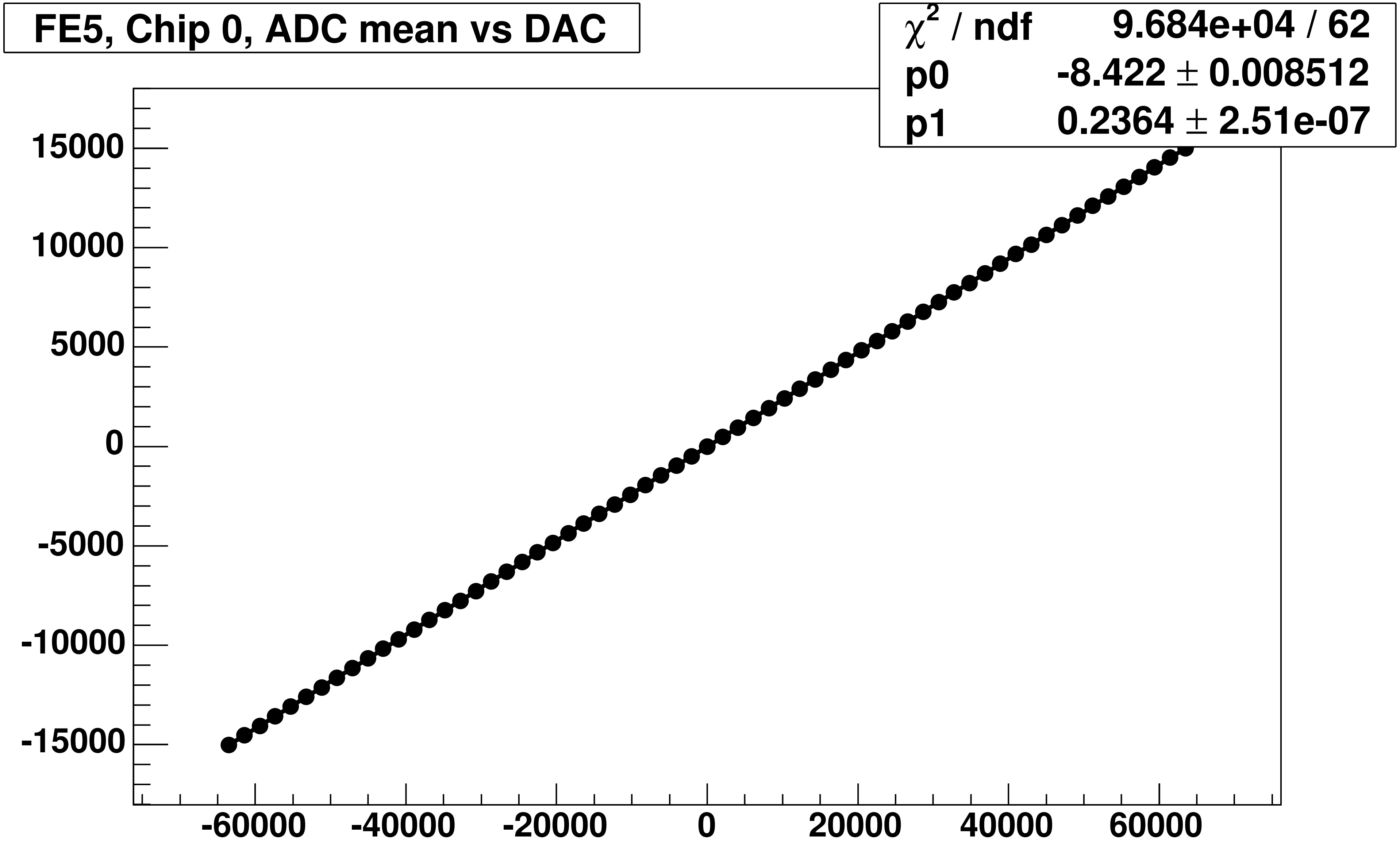

FE4, Chip 10, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE4, Chip 10, ADC residuals vs DAC
20
10
0
-10
-20
-60000
-40000
-20000
0
20000
40000
60000

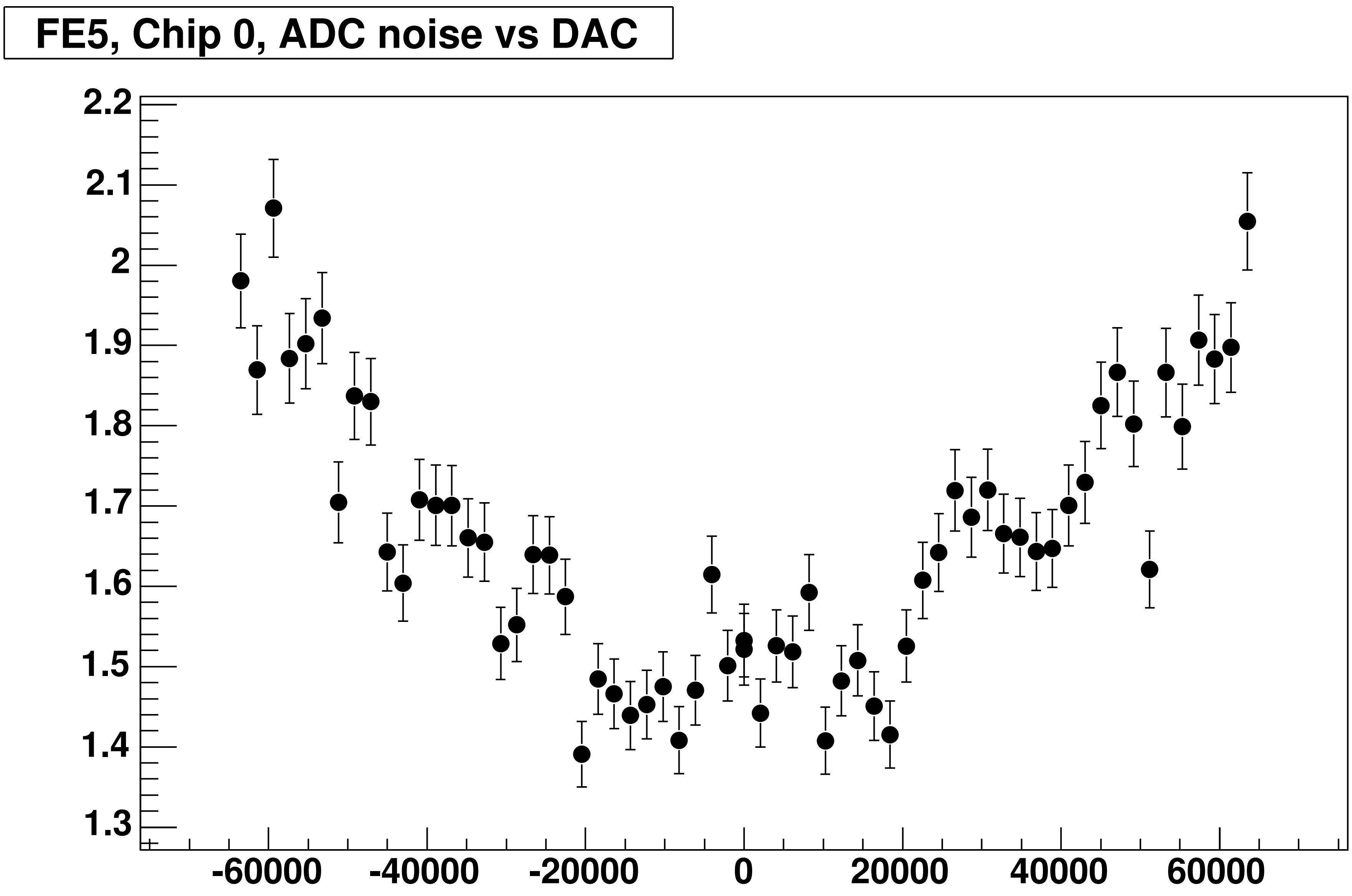

FE4, Chip 11, ADC mean vs DAC
χ^2 / ndf 2.142e+06 / 62
p0 46.93 ± 0.008896
p1 0.2376 ± 2.591e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

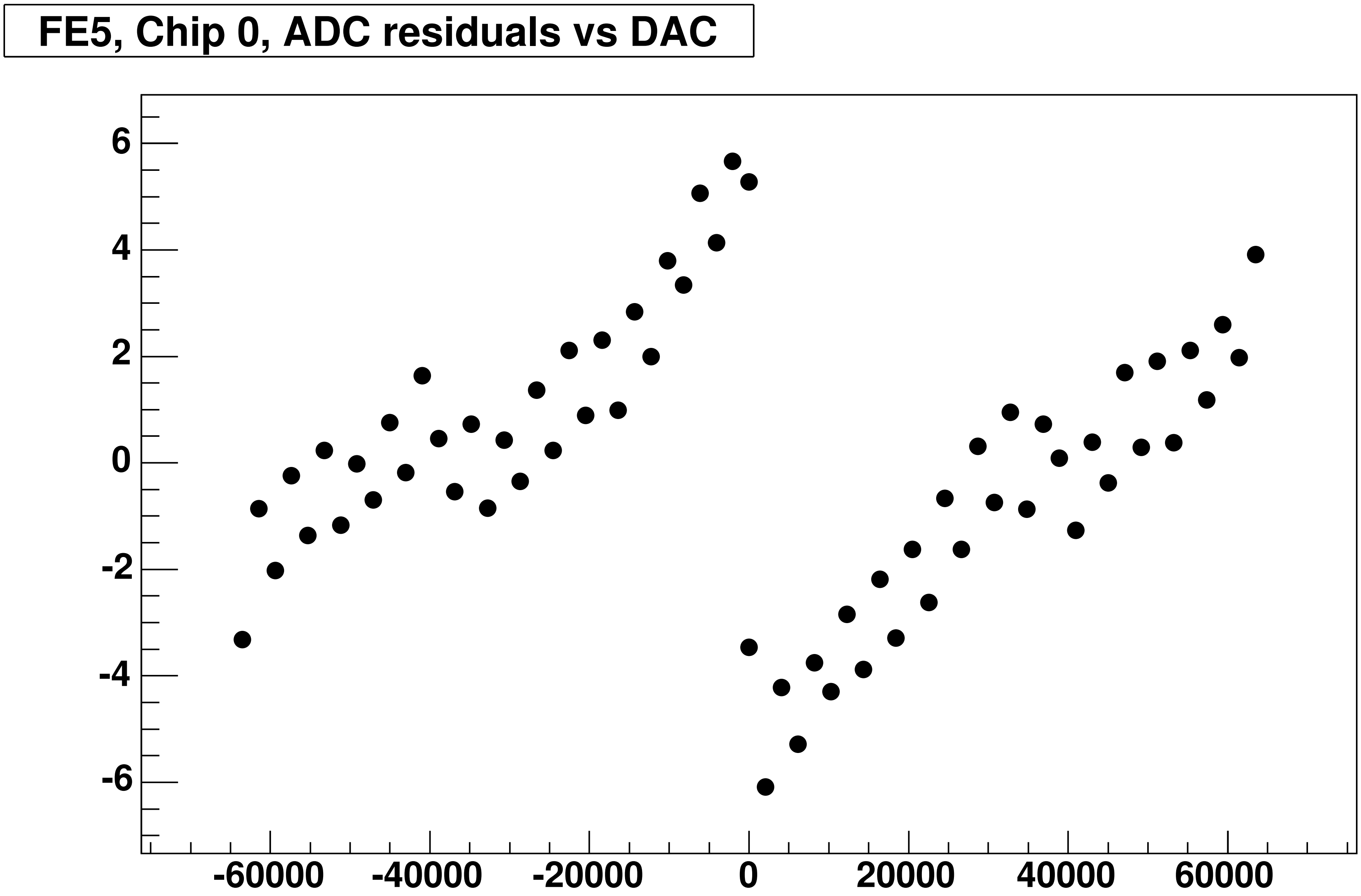

FE4, Chip 11, ADC noise vs DAC
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

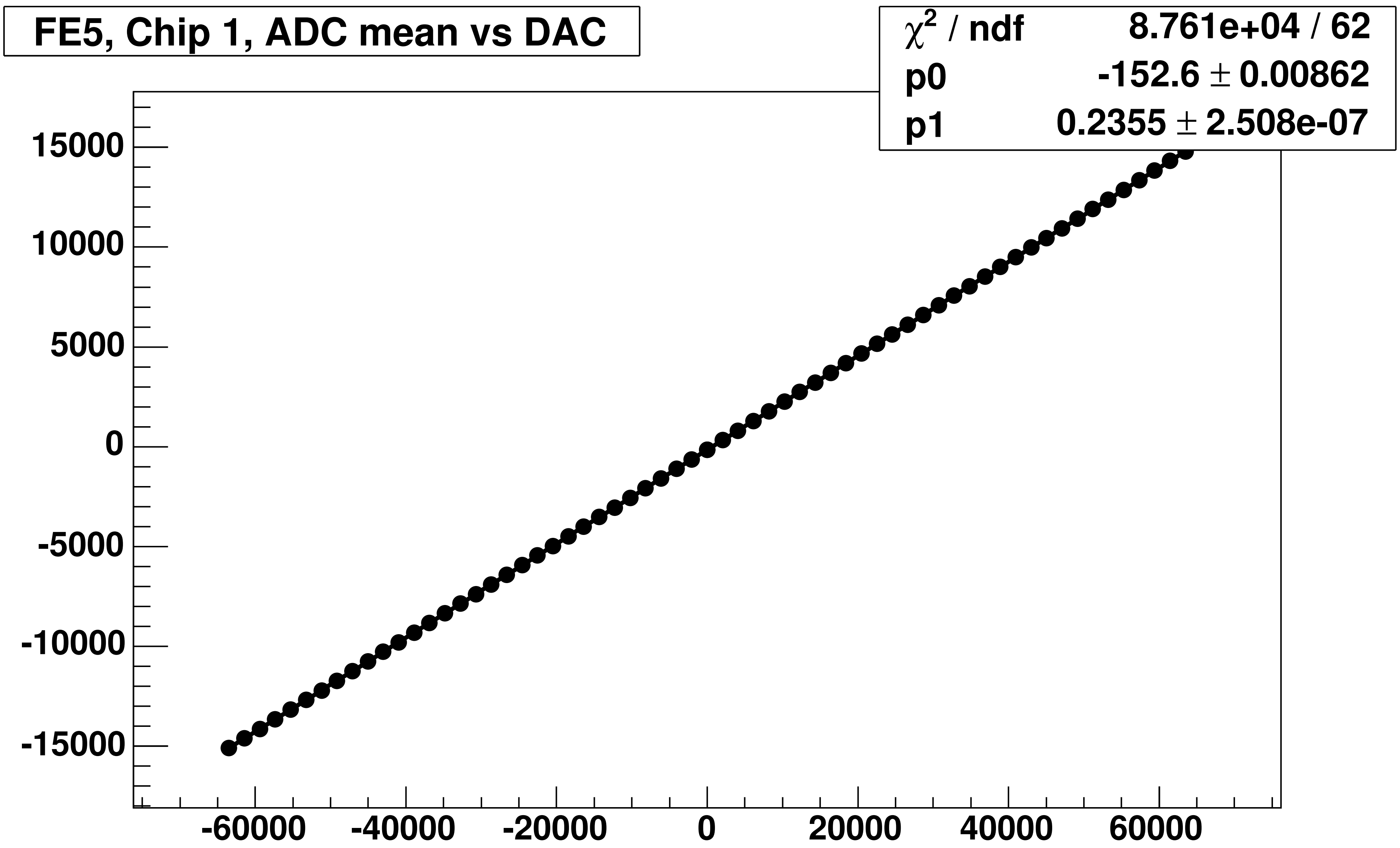

FE4, Chip 11, ADC residuals vs DAC
20
10
0
-10
-20
-30
-60000
-40000
-20000
0
20000
40000
60000

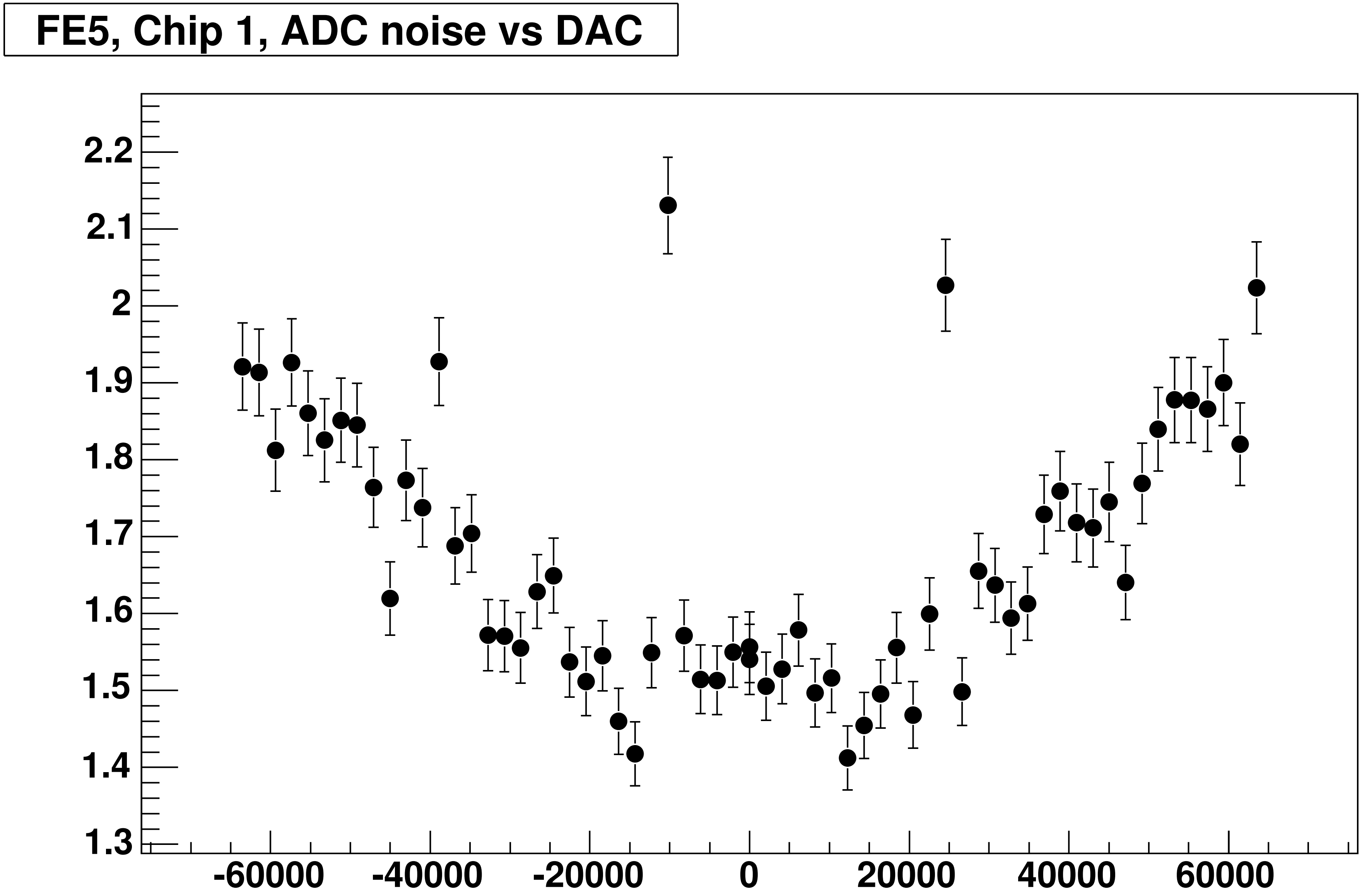


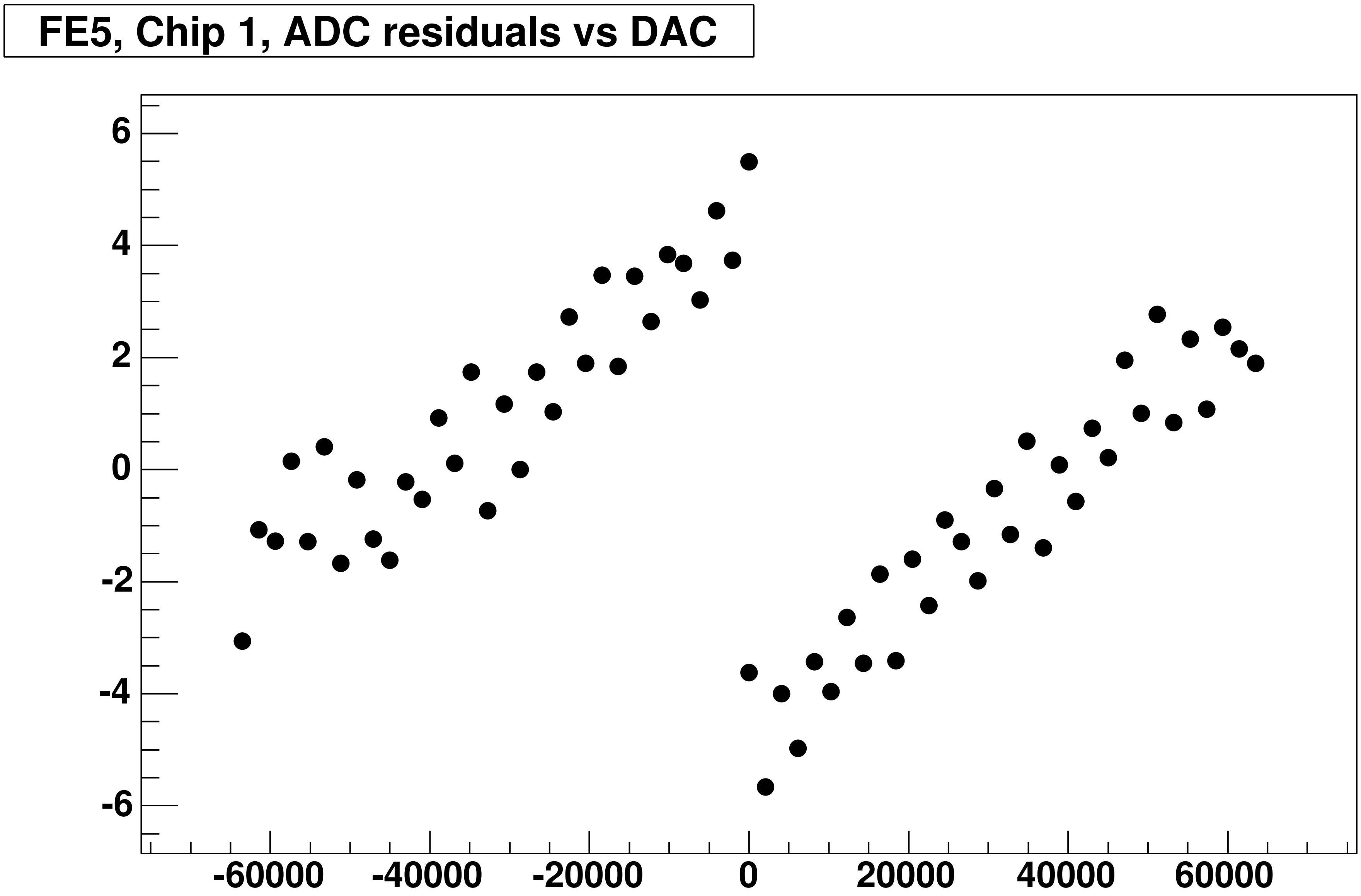
FE5, Chip 0, ADC mean vs DAC
χ^2 / ndf 9.684e+04 / 62
p0 -8.422 ± 0.008512
p1 0.2364 ± 2.51e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


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

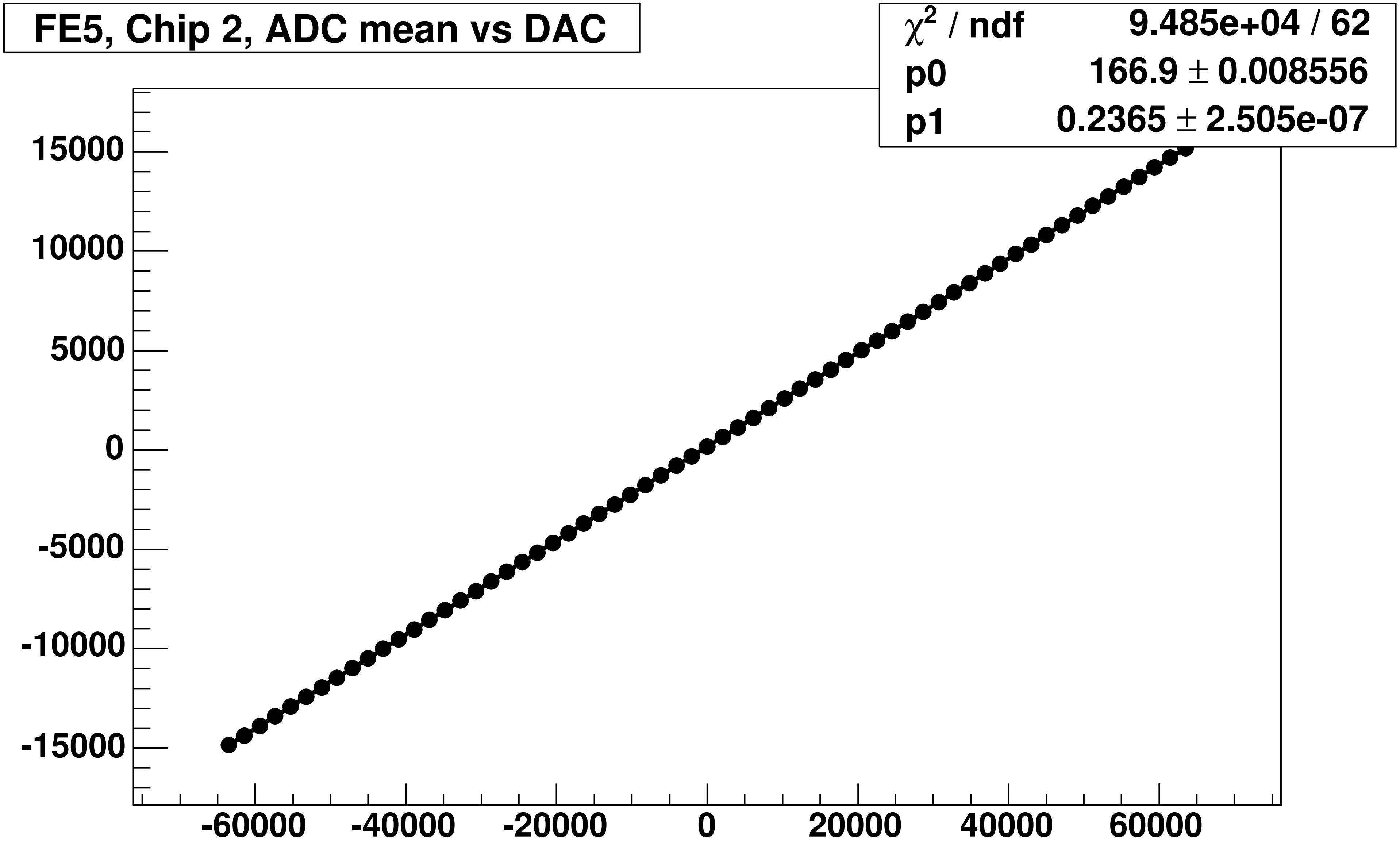

FE5, Chip 0, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

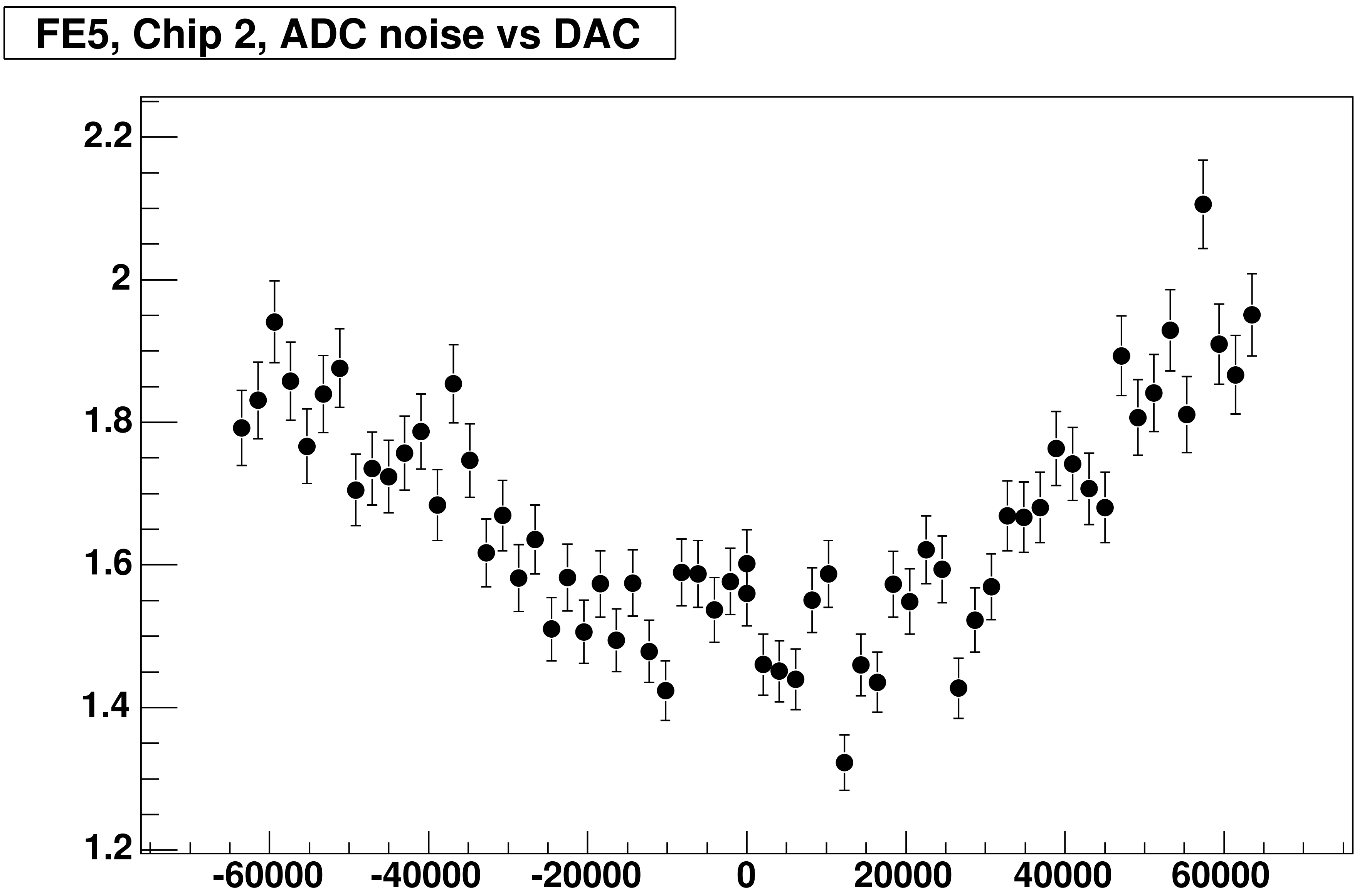

FE5, Chip 1, ADC mean vs DAC
χ^2 / ndf 8.761e+04 / 62
p0 -152.6 ± 0.00862
p1 0.2355 ± 2.508e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

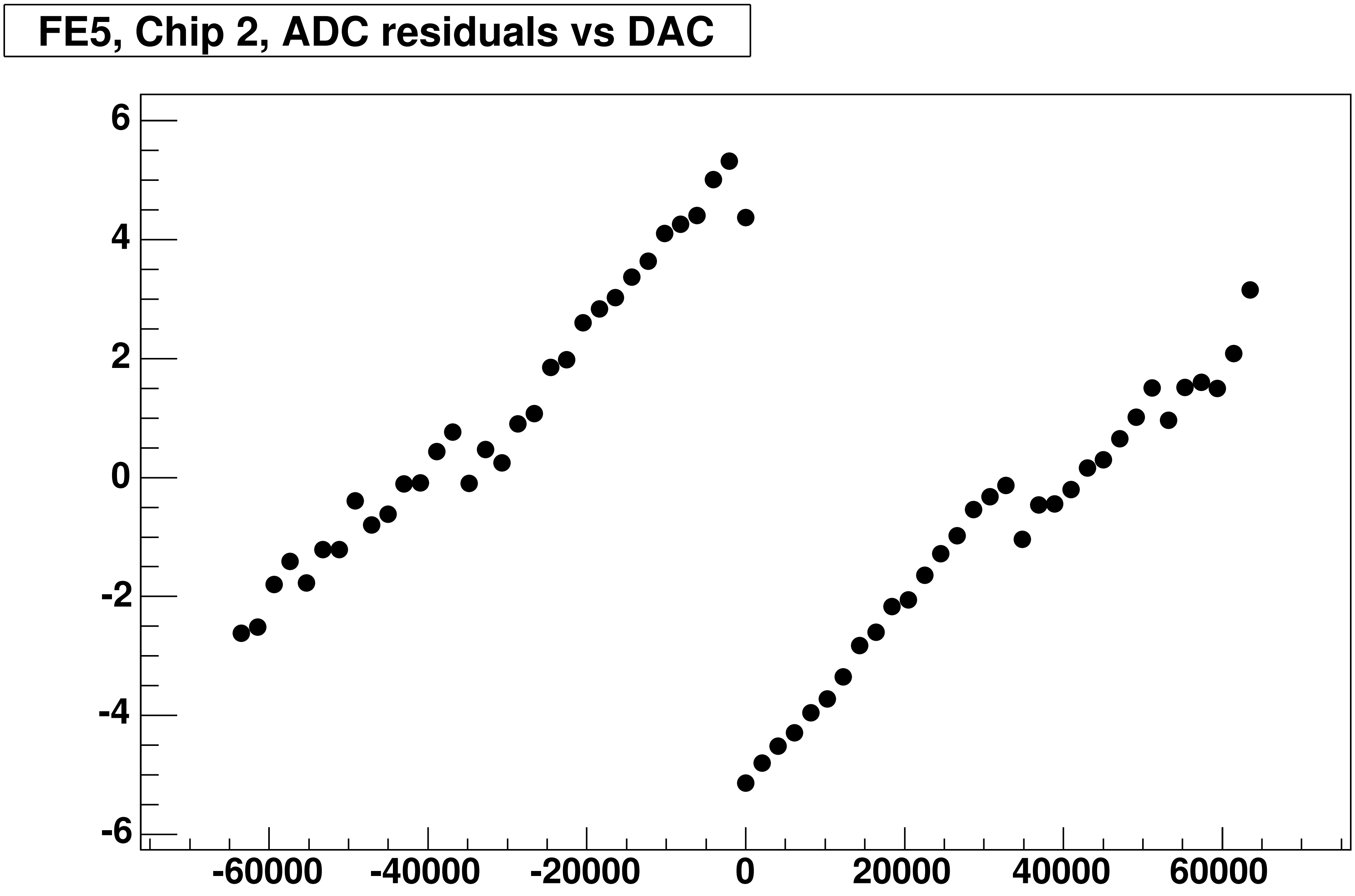

FE5, Chip 1, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

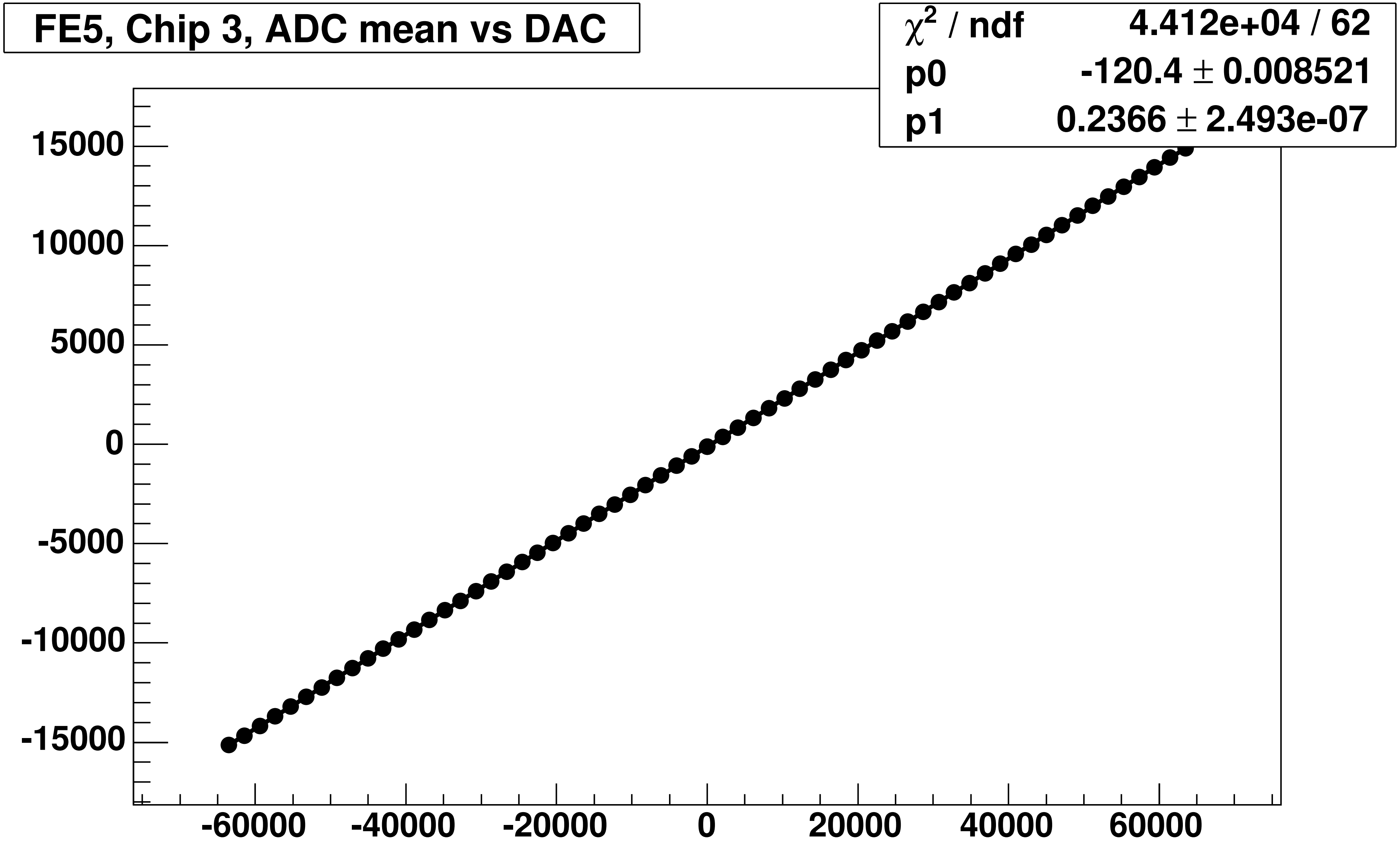


FE5, Chip 1, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 2, ADC mean vs DAC
χ^2 / ndf 9.485e+04 / 62
p0 166.9 ± 0.008556
p1 0.2365 ± 2.505e-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
1.2
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 2, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 3, ADC mean vs DAC
χ2 / ndf 4.412e+04 / 62
p0 -120.4 ± 0.008521
p1 0.2366 ± 2.493e-07
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10000
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0
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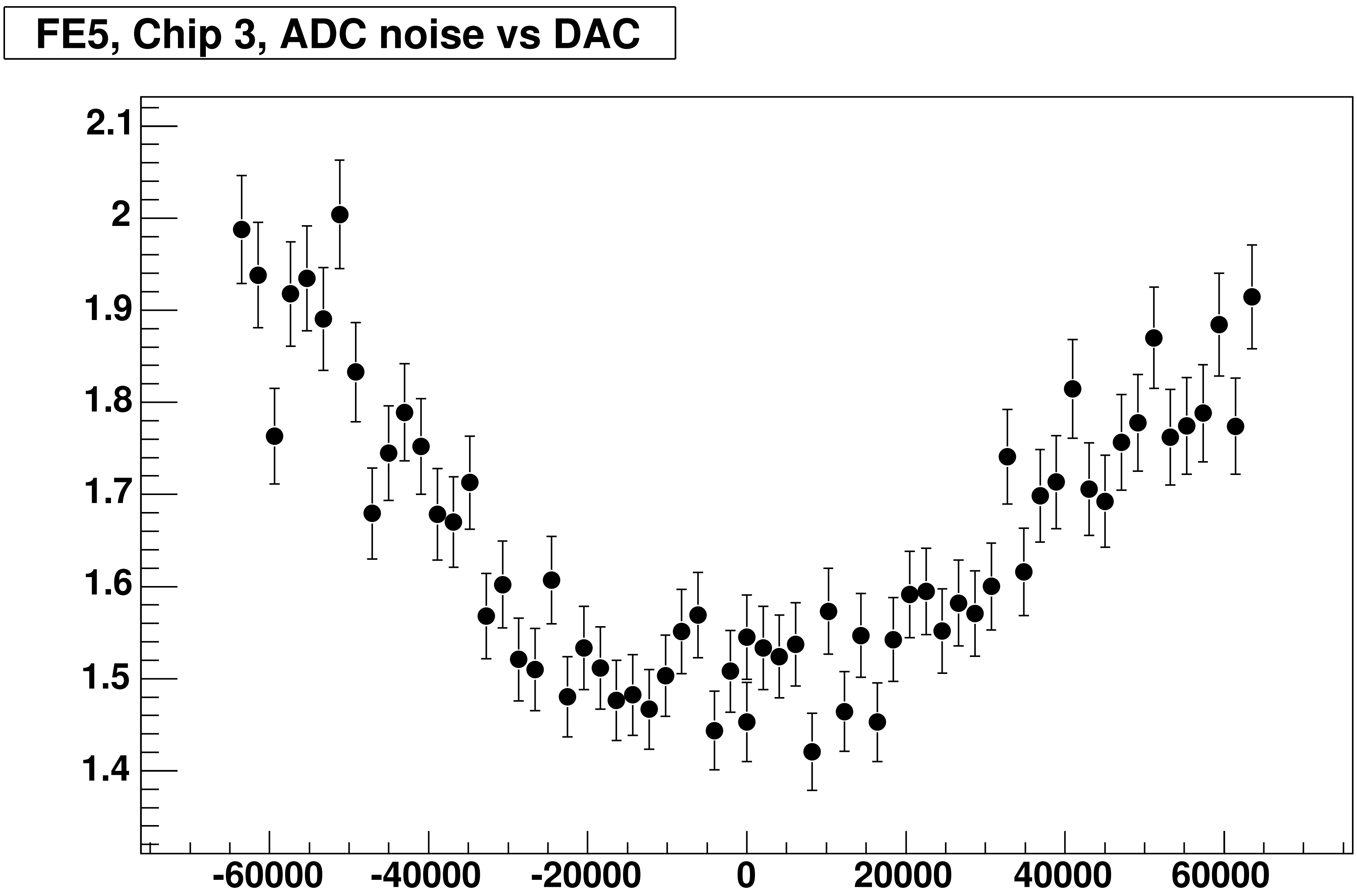
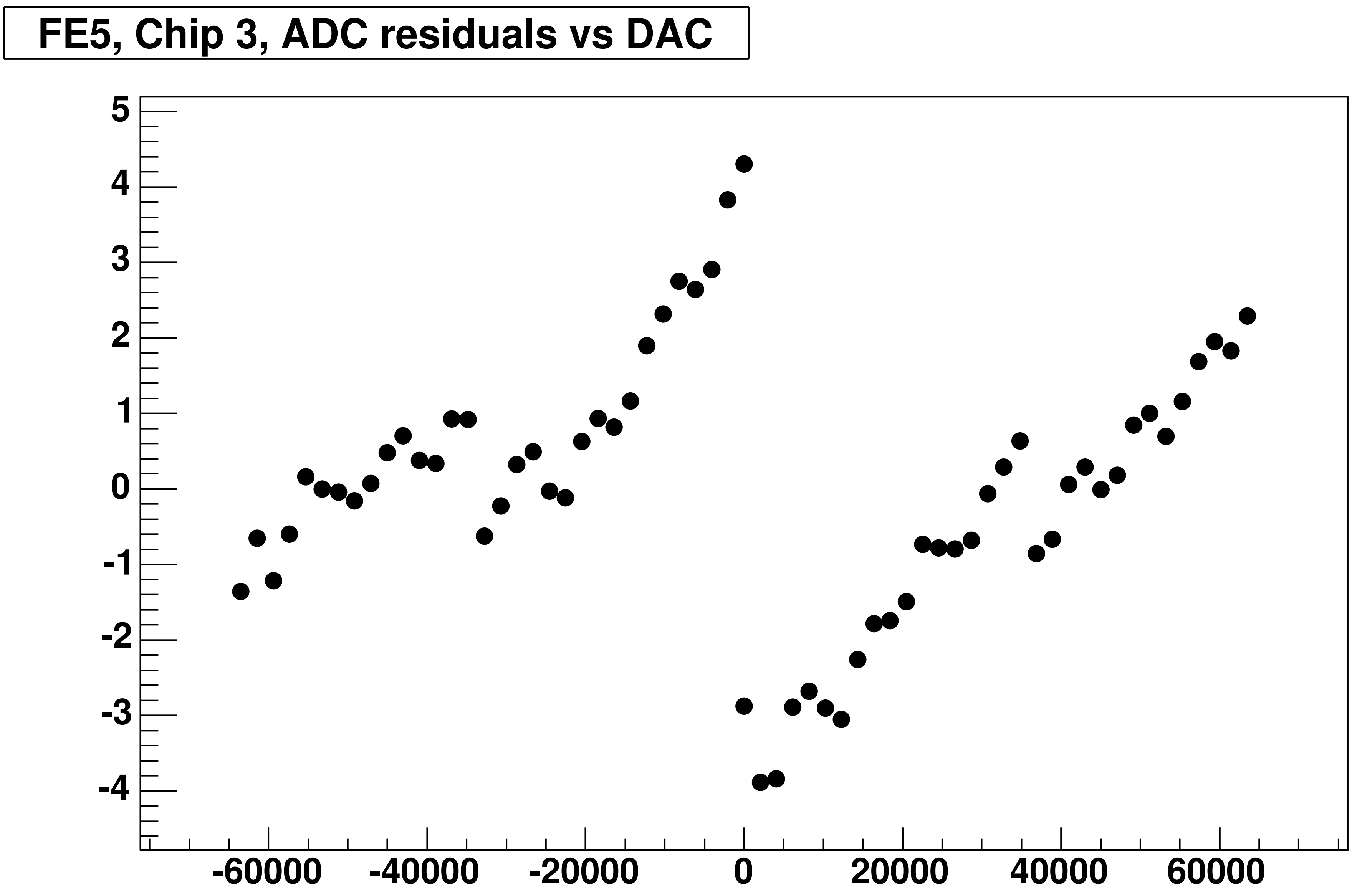
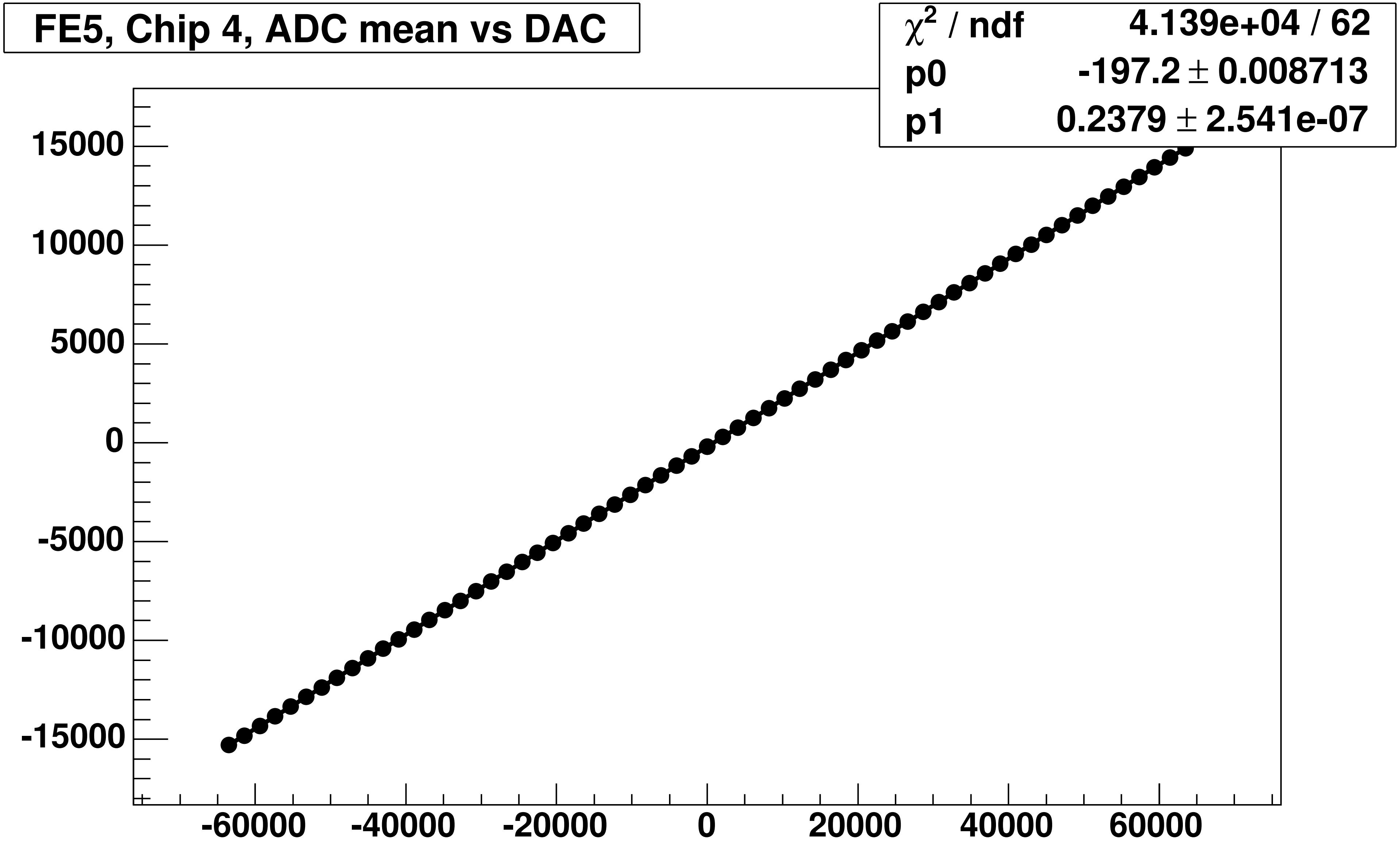
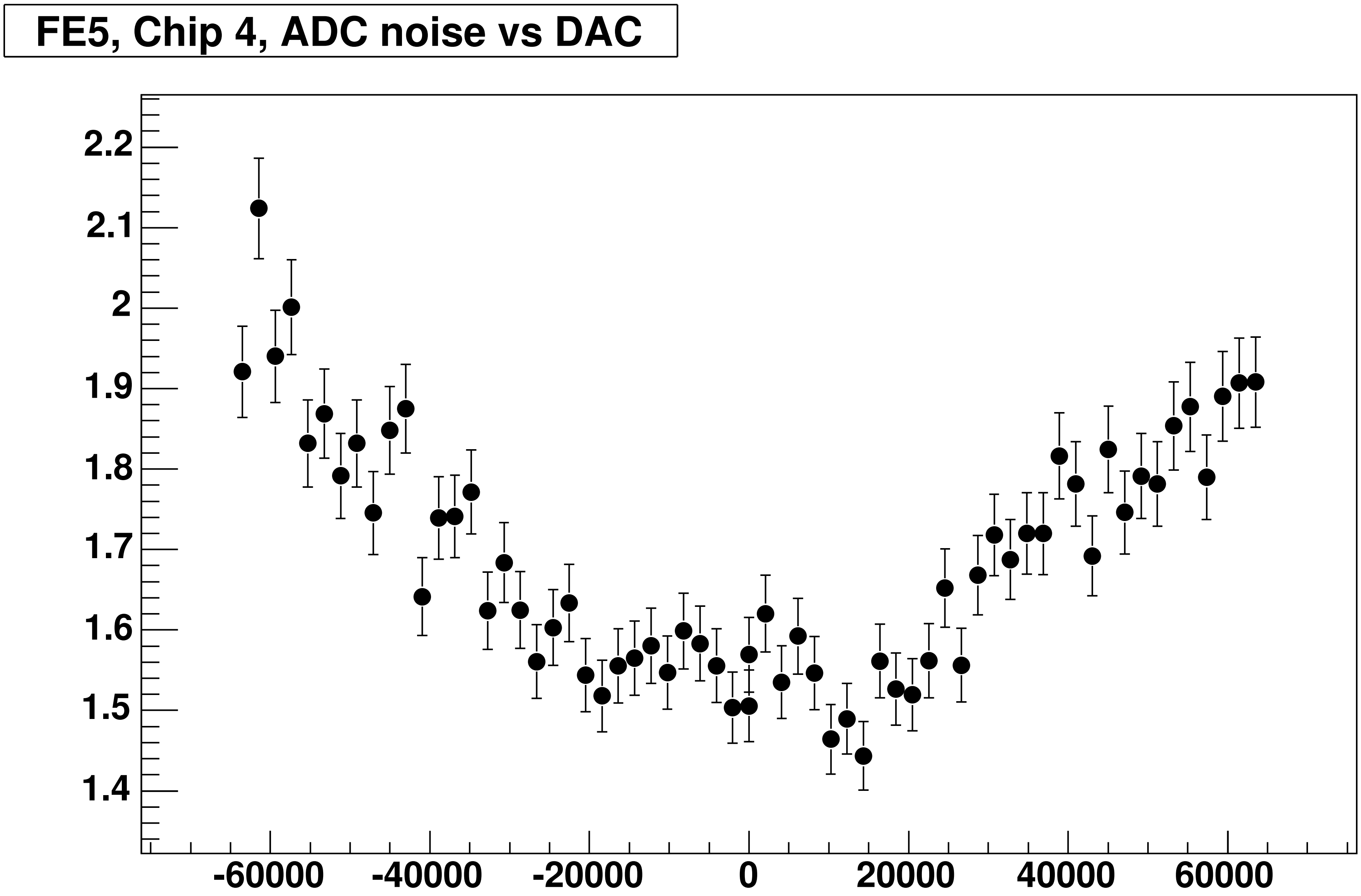
0
20000
40000
60000


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

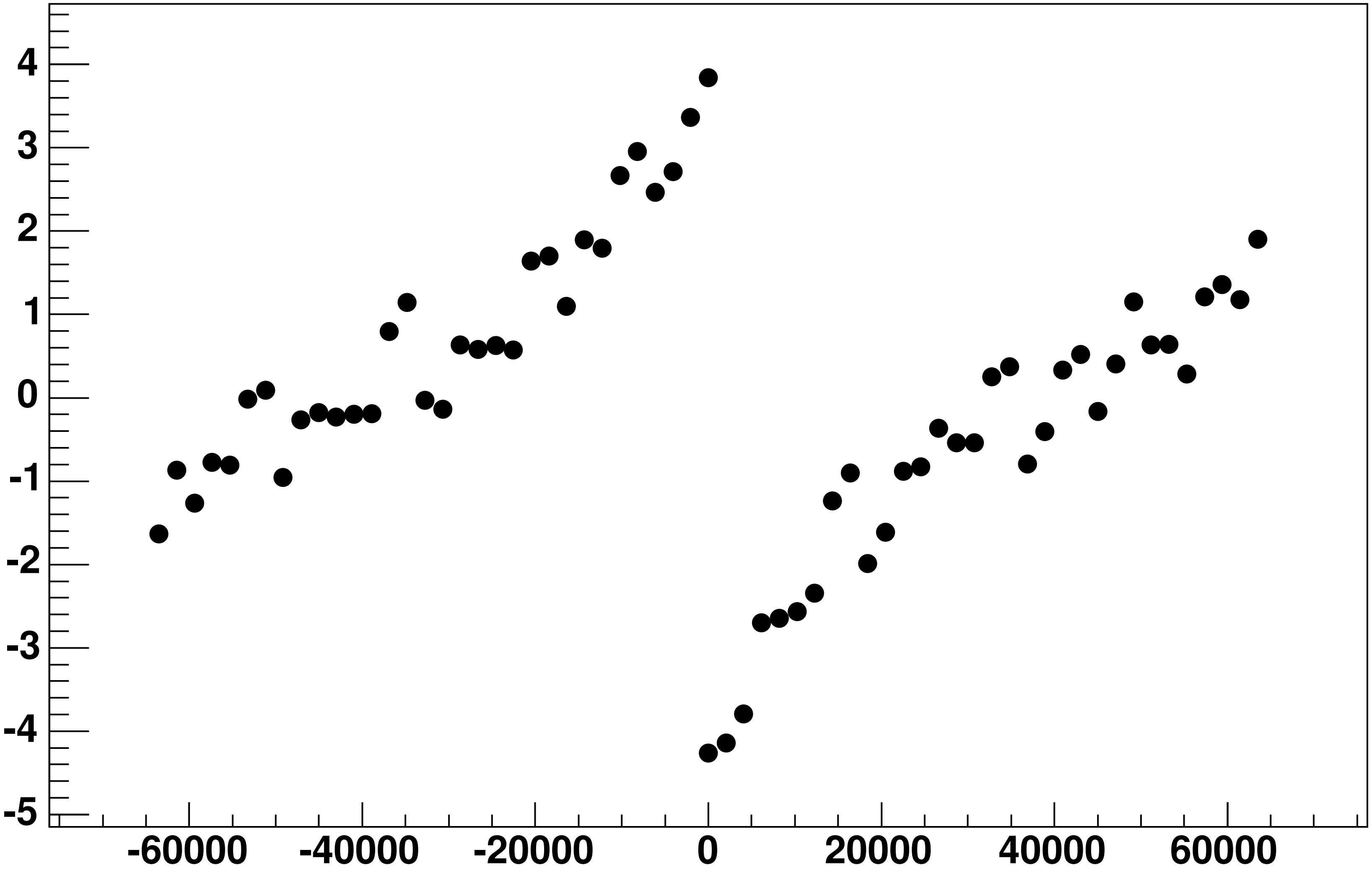

FE5, Chip 3, ADC residuals vs DAC
5
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

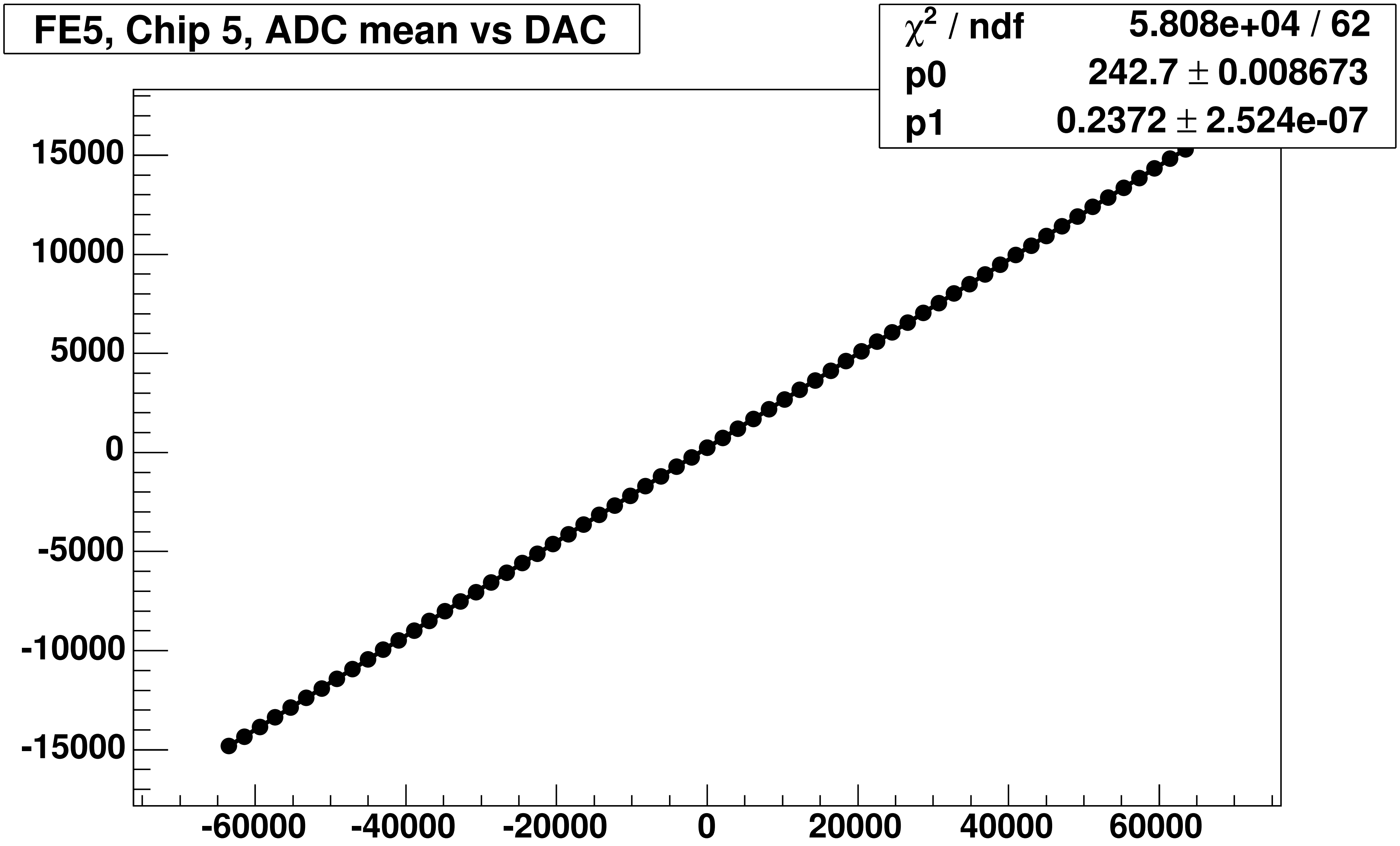


FE5, Chip 4, ADC mean vs DAC
χ^2 / ndf 4.139e+04 / 62
p0 -197.2 ± 0.008713
p1 0.2379 ± 2.541e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

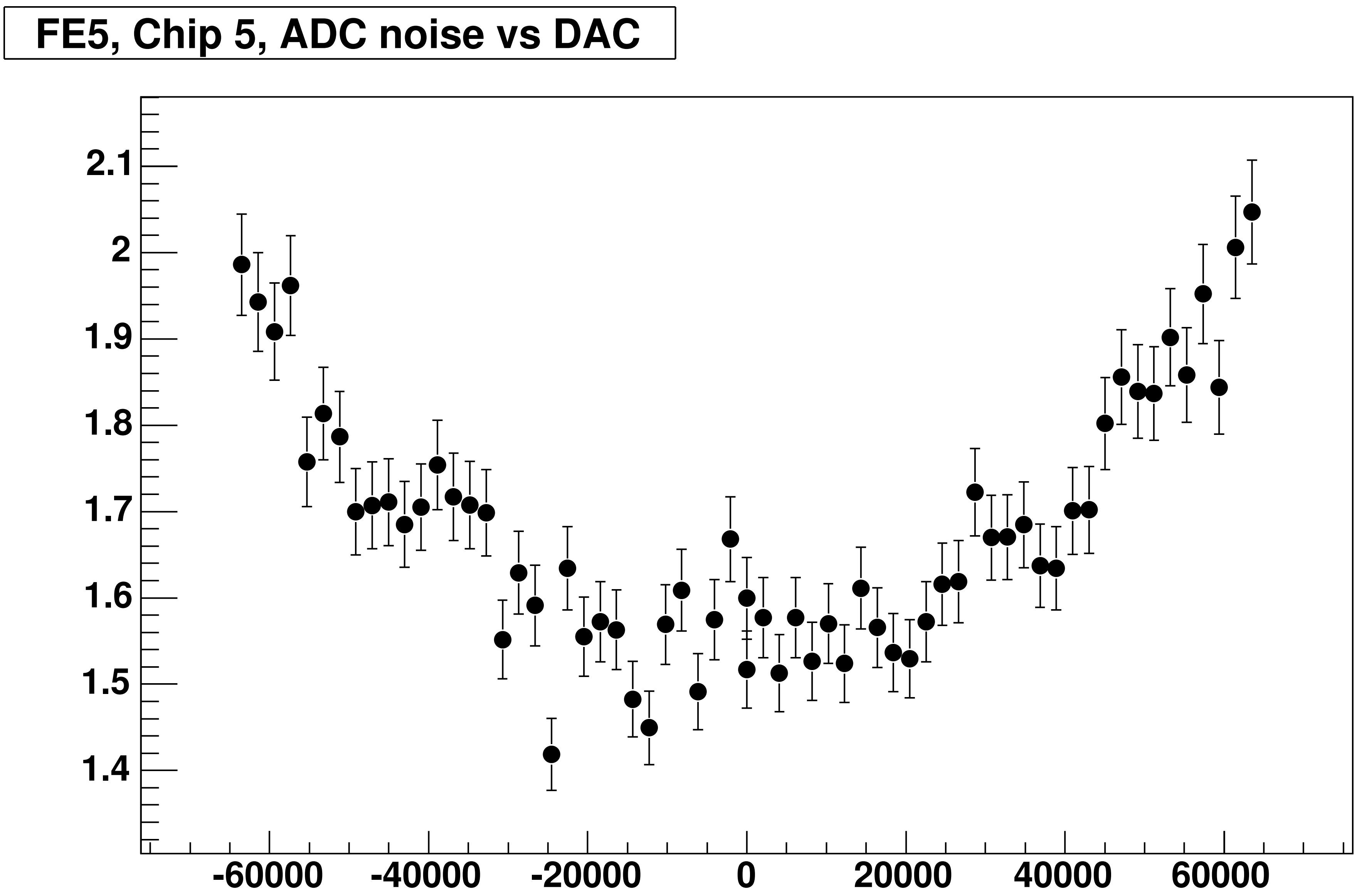

FE5, Chip 4, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

FE5, Chip 4, ADC residuals vs DAC



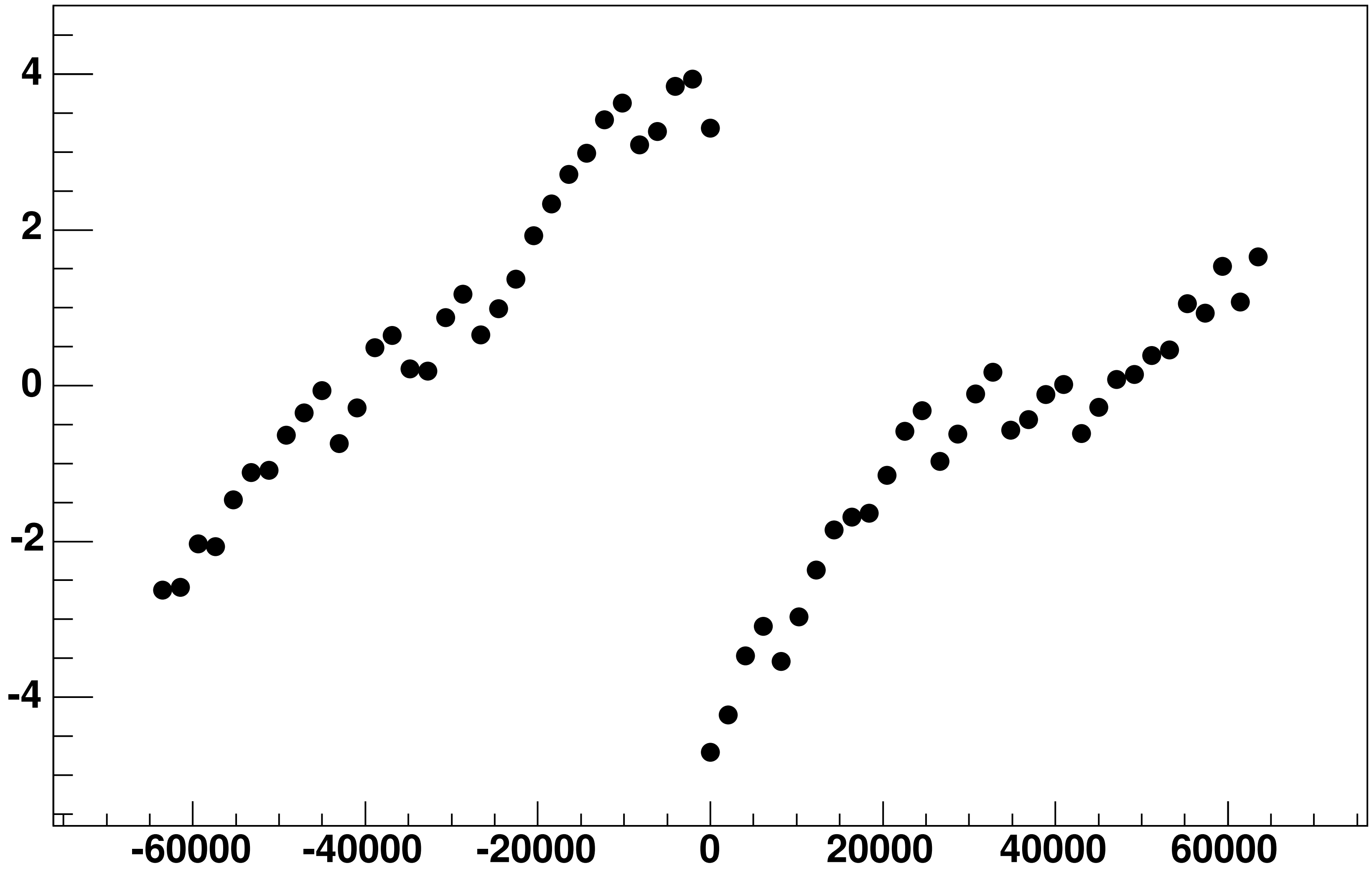


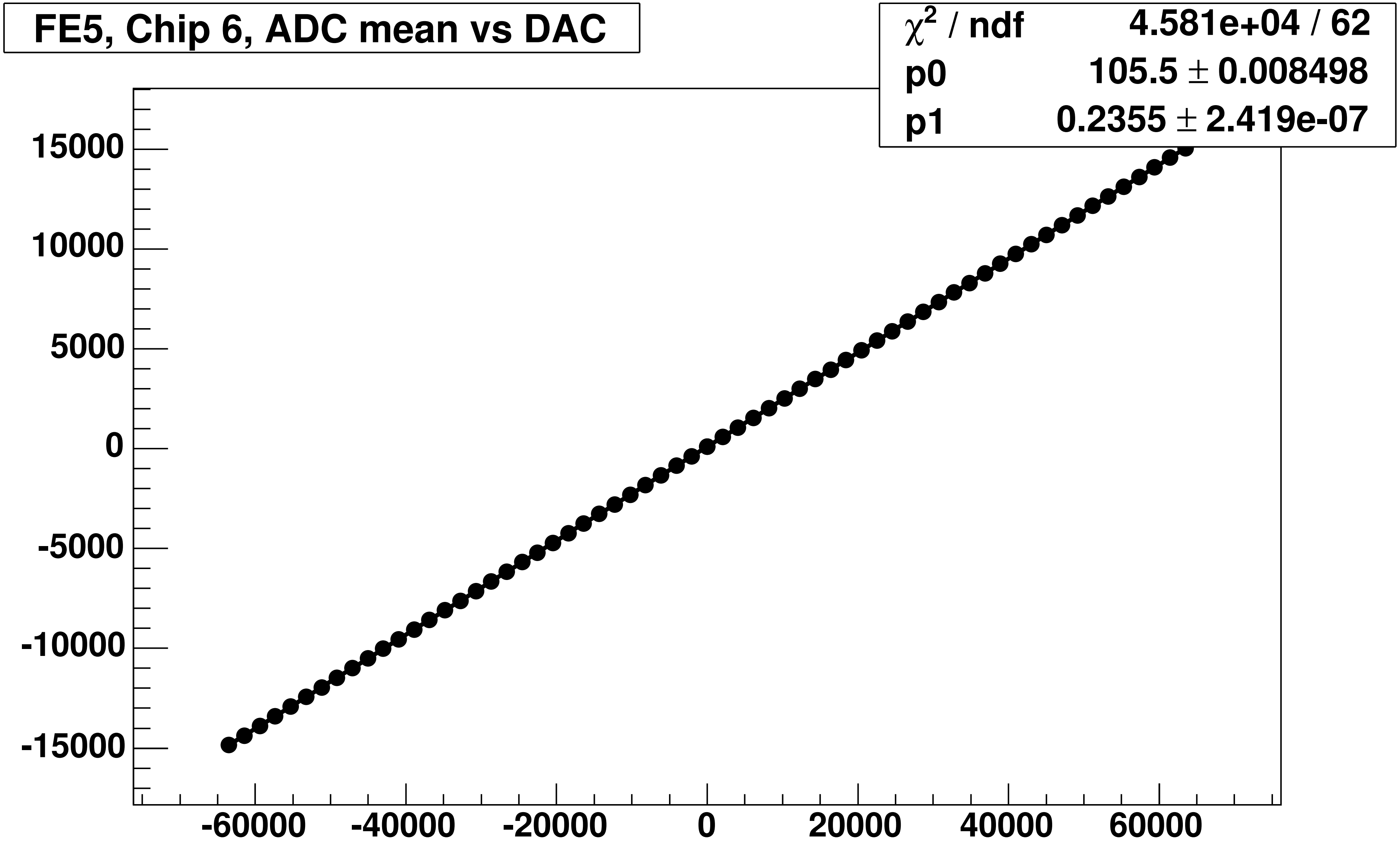
FE5, Chip 5, ADC mean vs DAC
χ^2 / ndf 5.808e+04 / 62
p0 242.7 ± 0.008673
p1 0.2372 ± 2.524e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

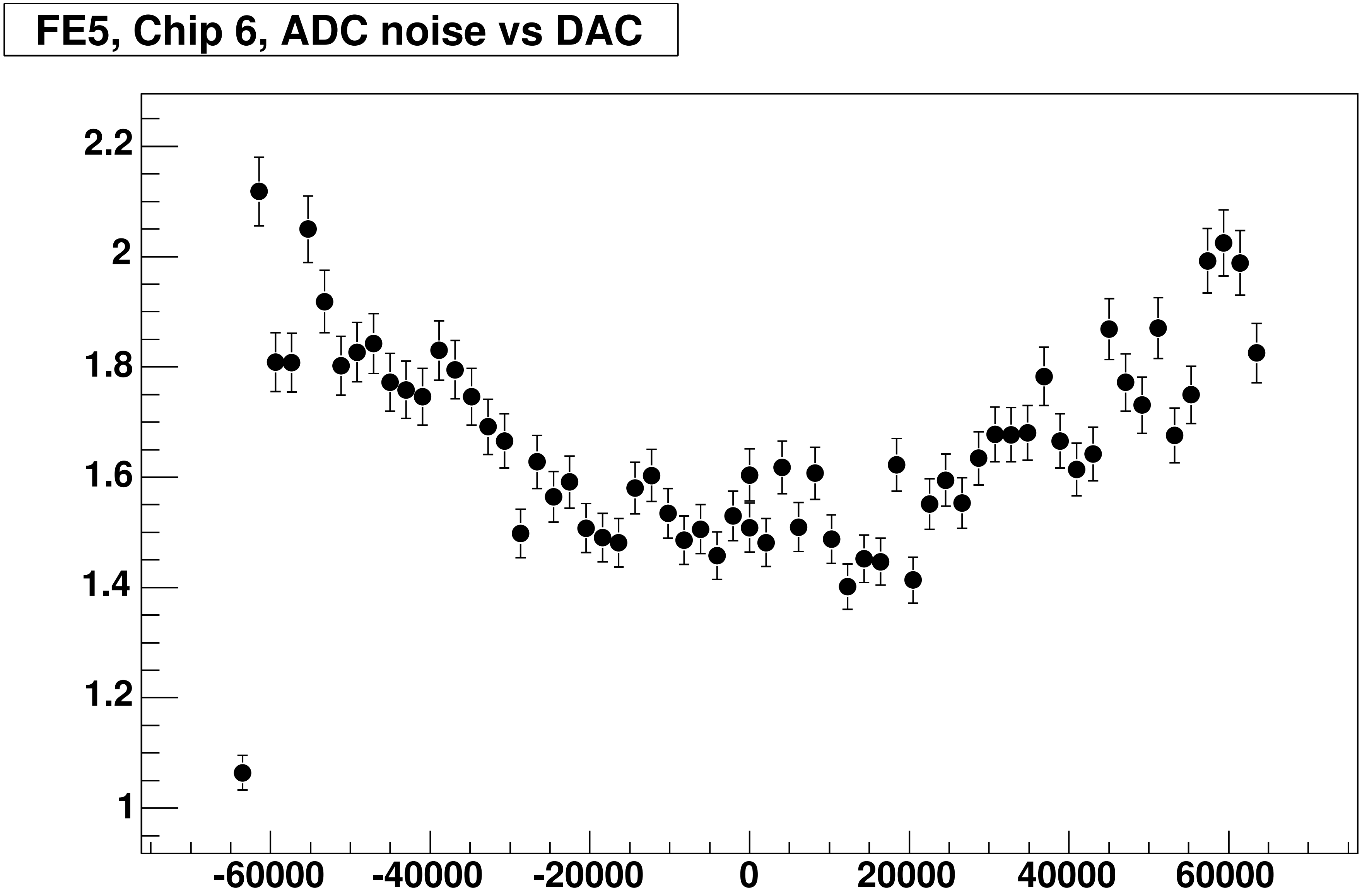


FE5, Chip 5, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

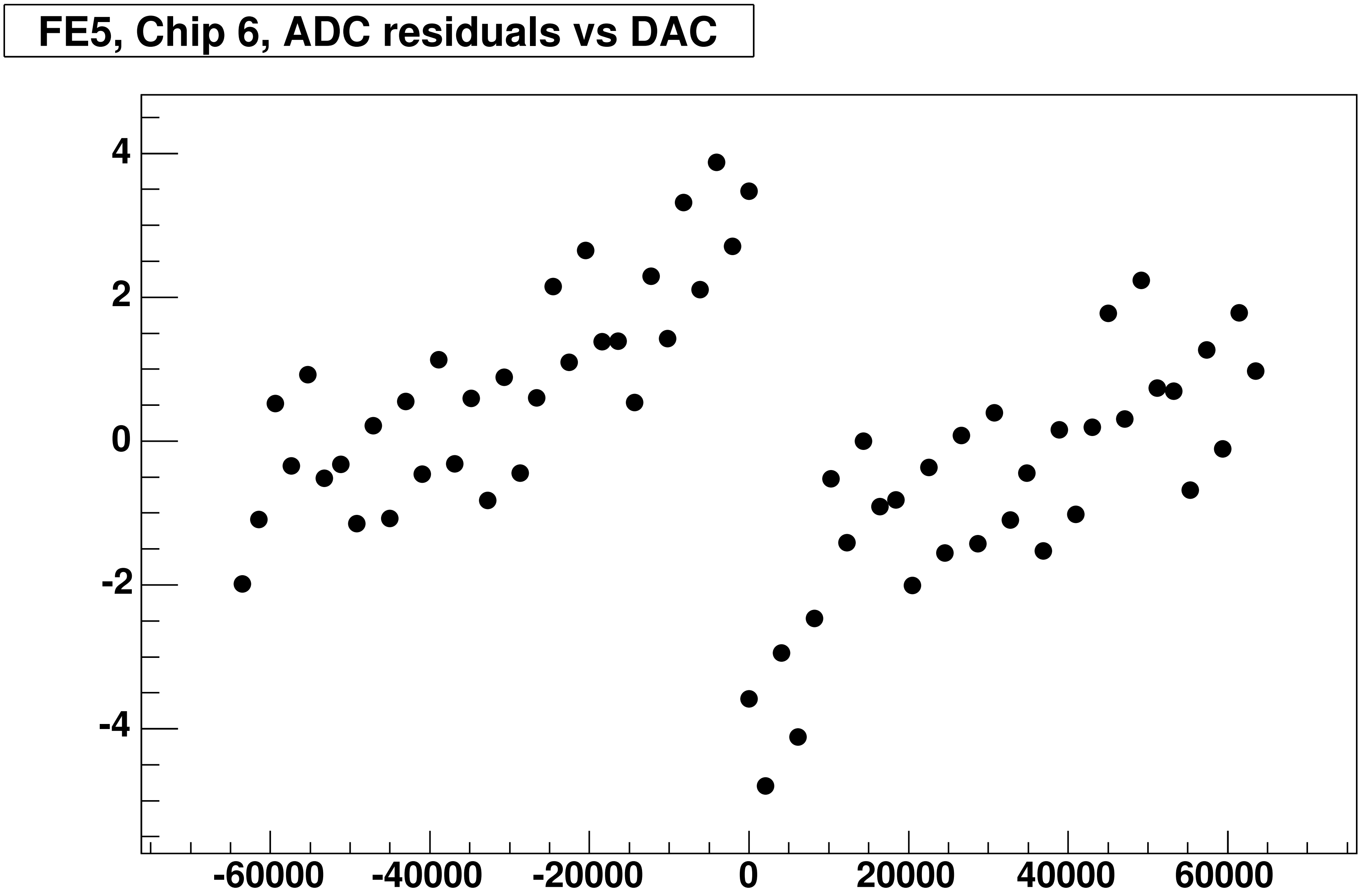
FE5, Chip 5, ADC residuals vs DAC

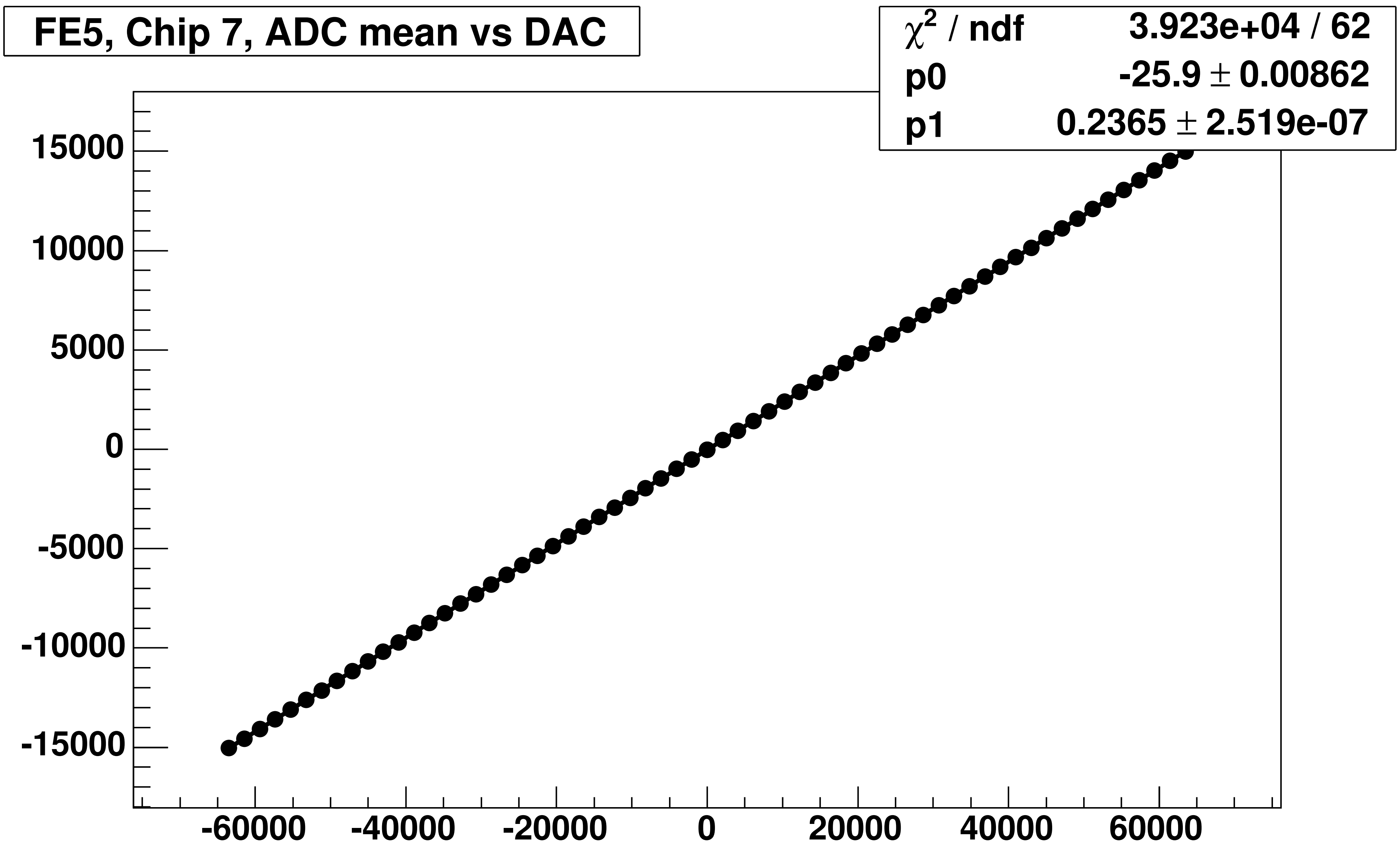


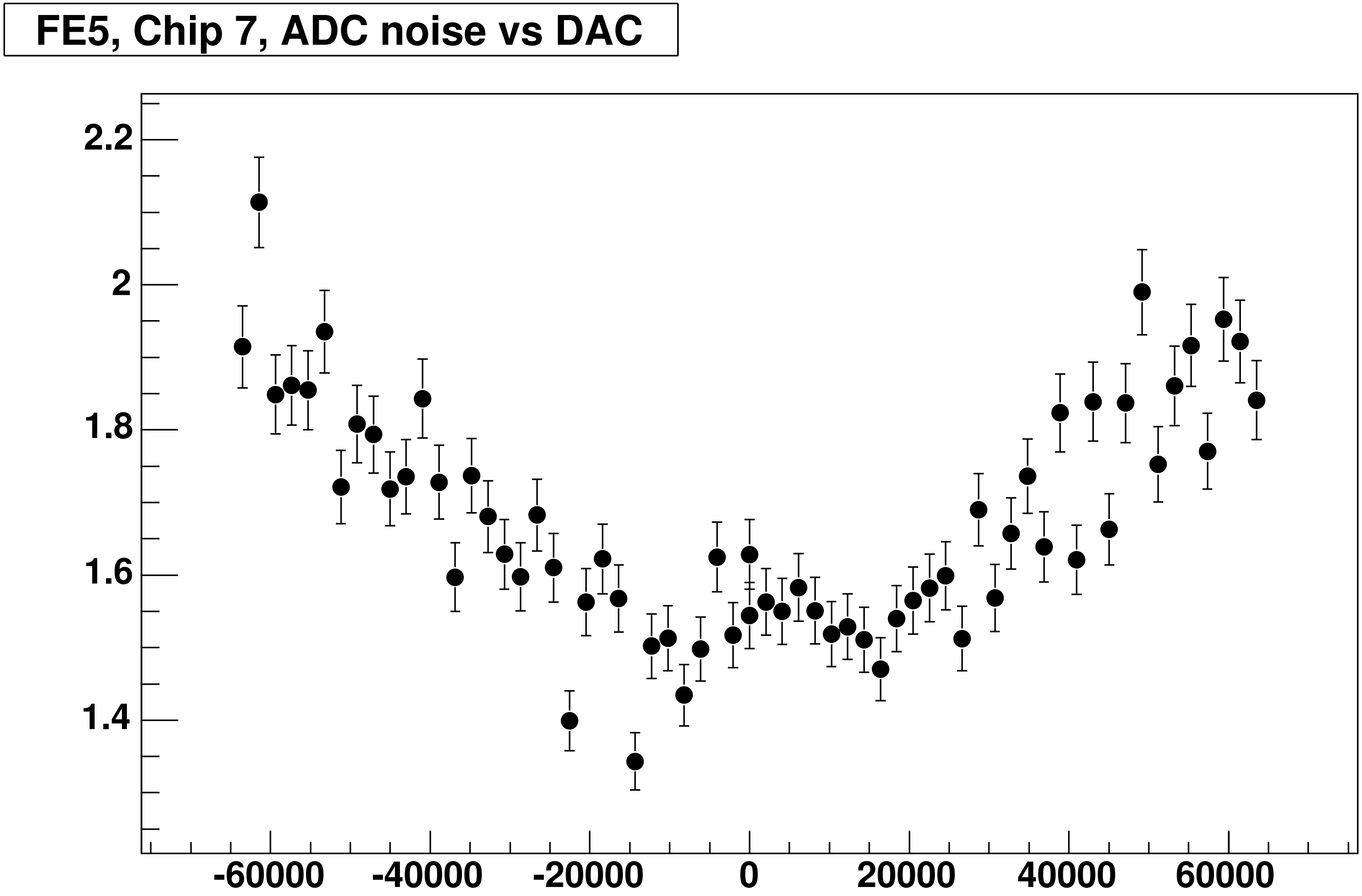

FE5, Chip 6, ADC mean vs DAC
χ^2 / ndf 4.581e+04 / 62
p0 105.5 ± 0.008498
p1 0.2355 ± 2.419e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

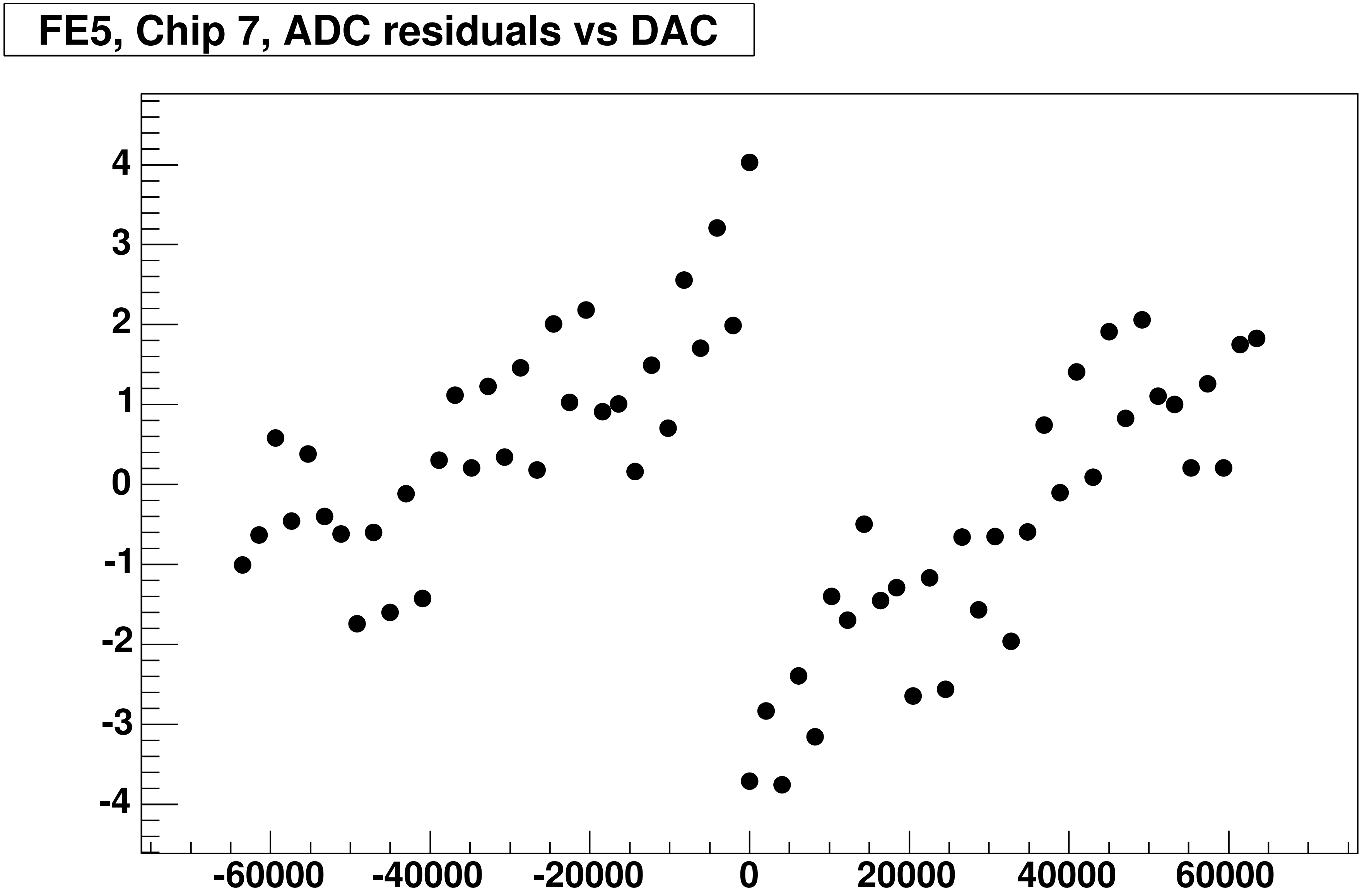


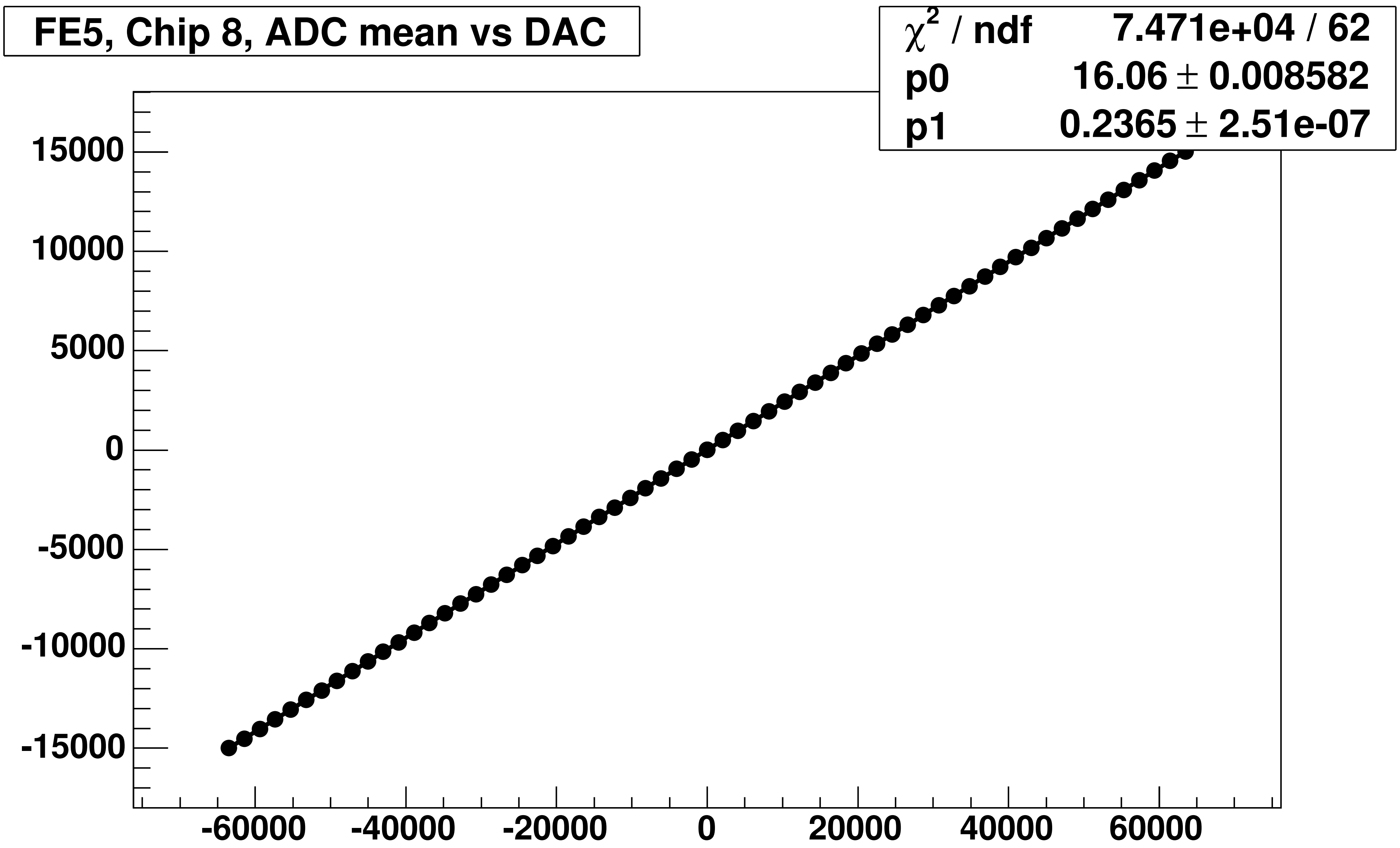
FE5, Chip 6, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
1
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 6, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000

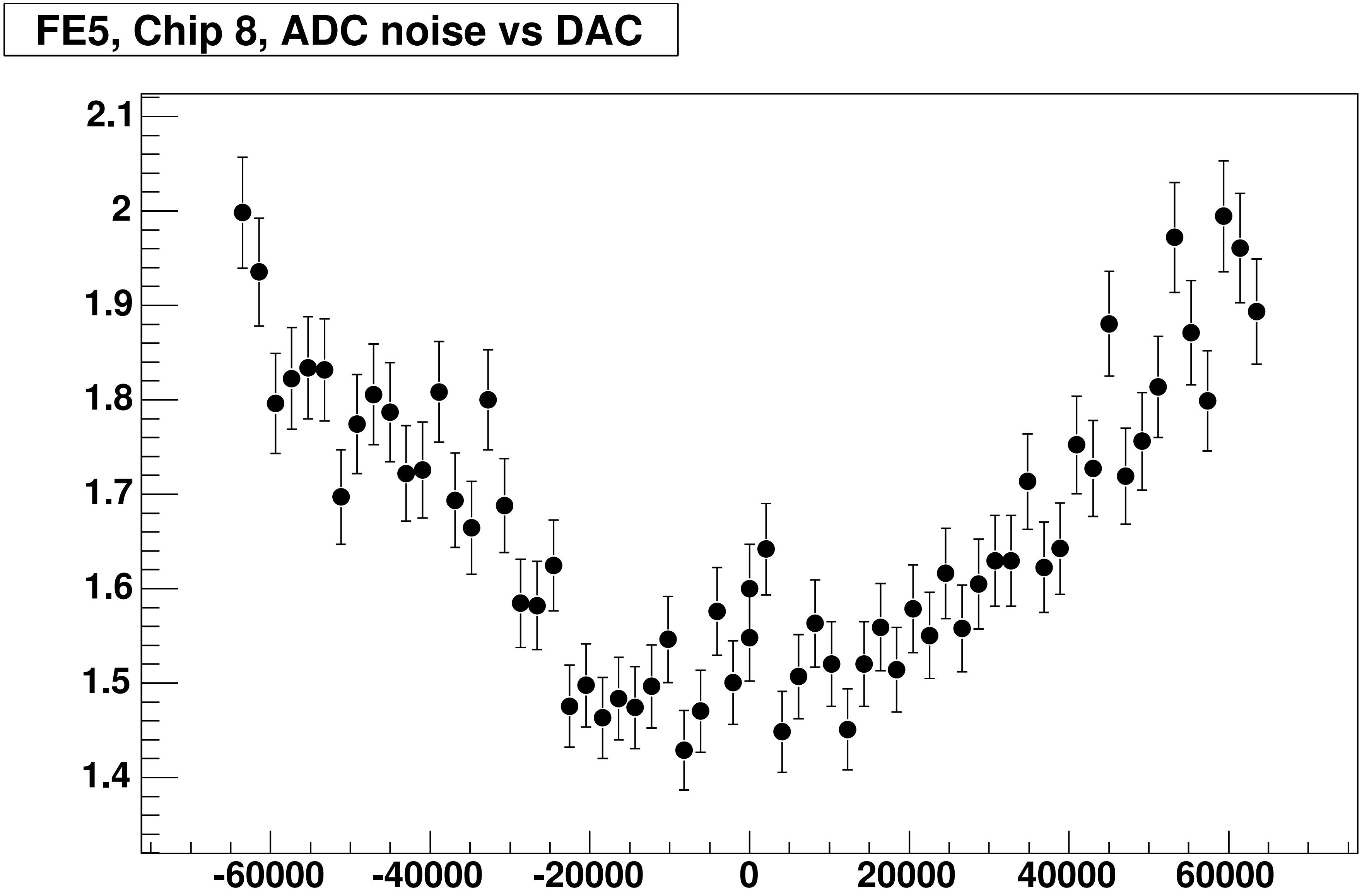

FE5, Chip 7, ADC mean vs DAC
χ^2 / ndf 3.923e+04 / 62
p0 -25.9 ± 0.00862
p1 0.2365 ± 2.519e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 7, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

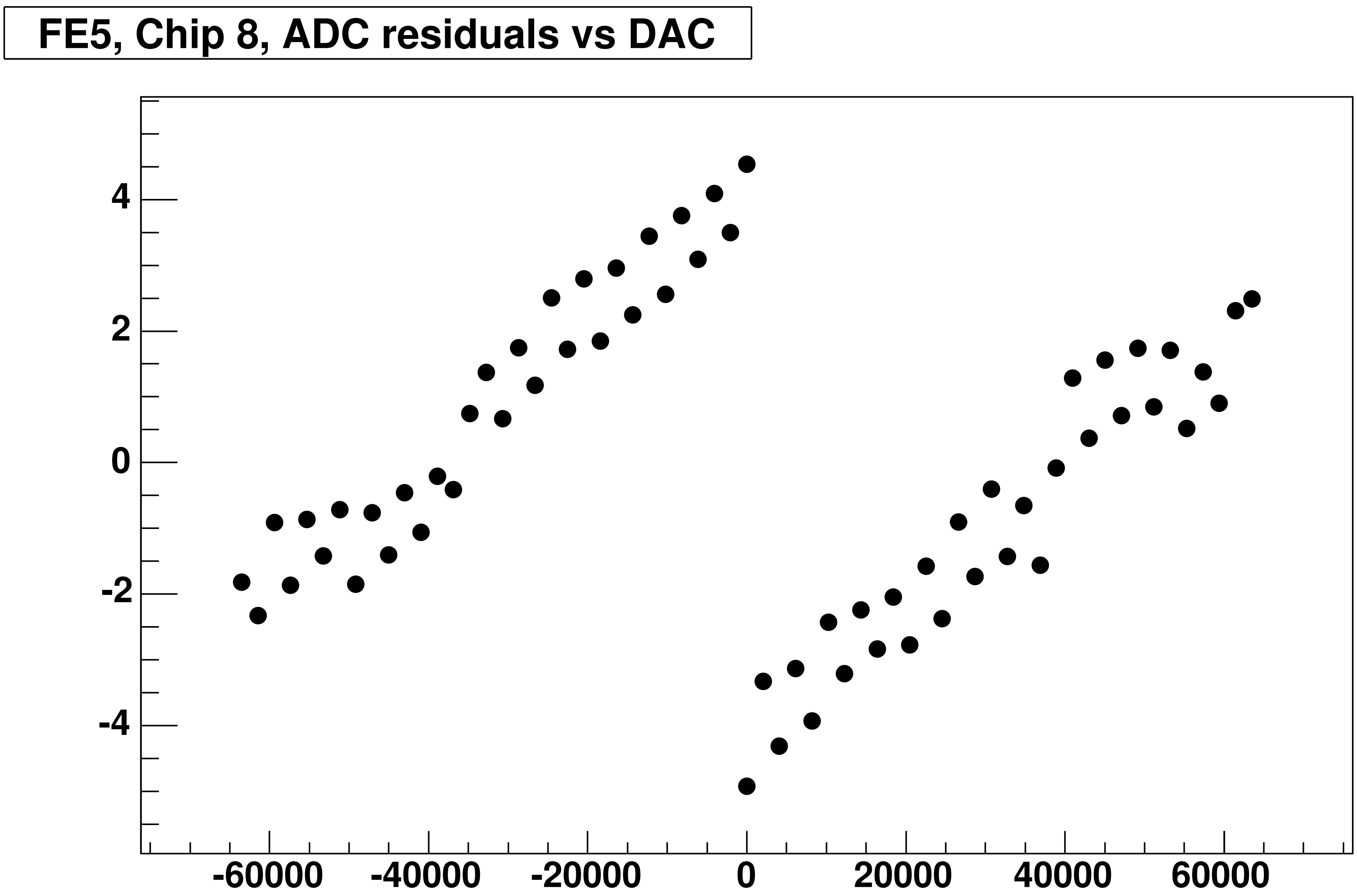

FE5, Chip 7, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

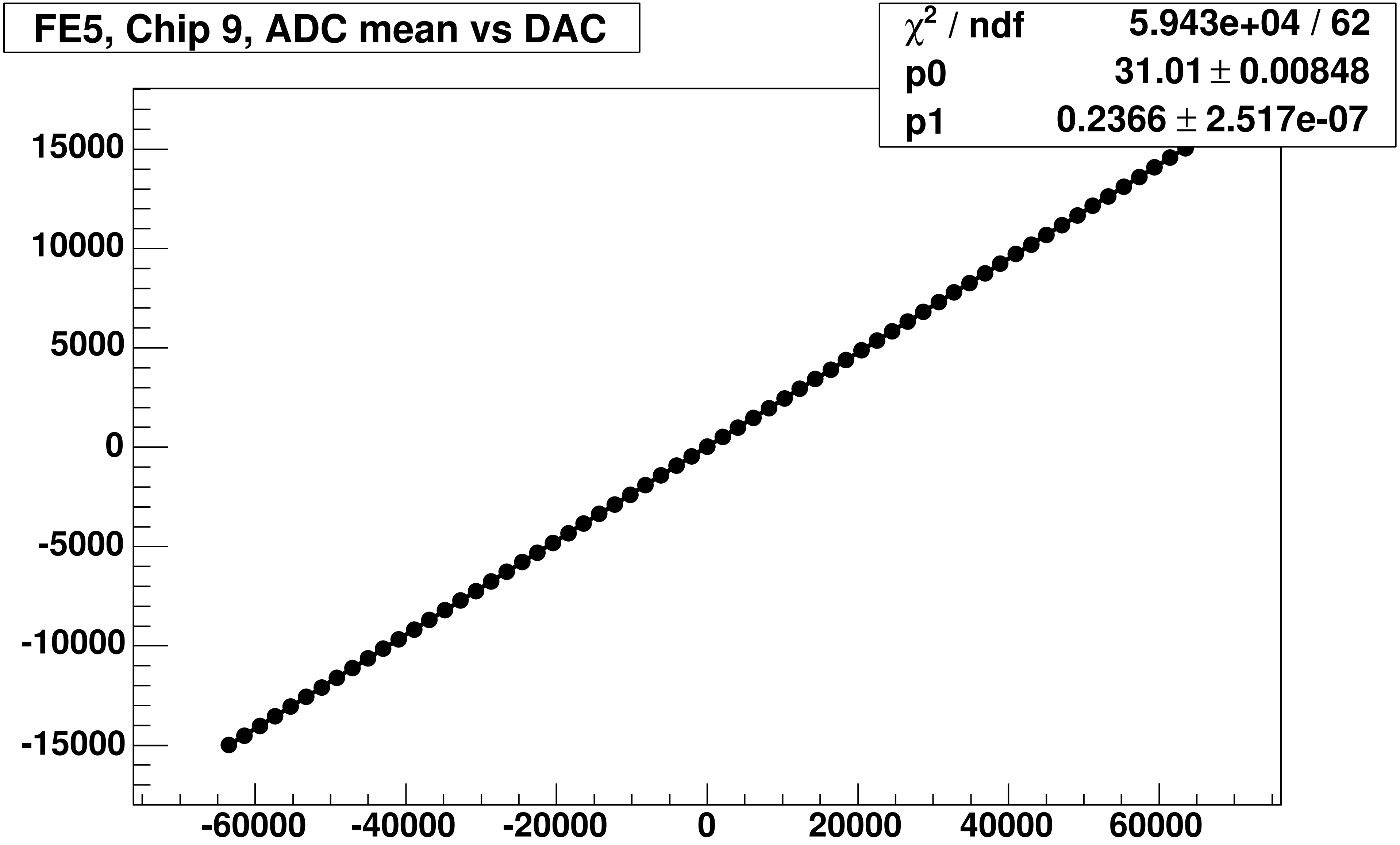


FE5, Chip 8, ADC mean vs DAC
χ^2 / ndf 7.471e+04 / 62
p0 16.06 ± 0.008582
p1 0.2365 ± 2.51e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

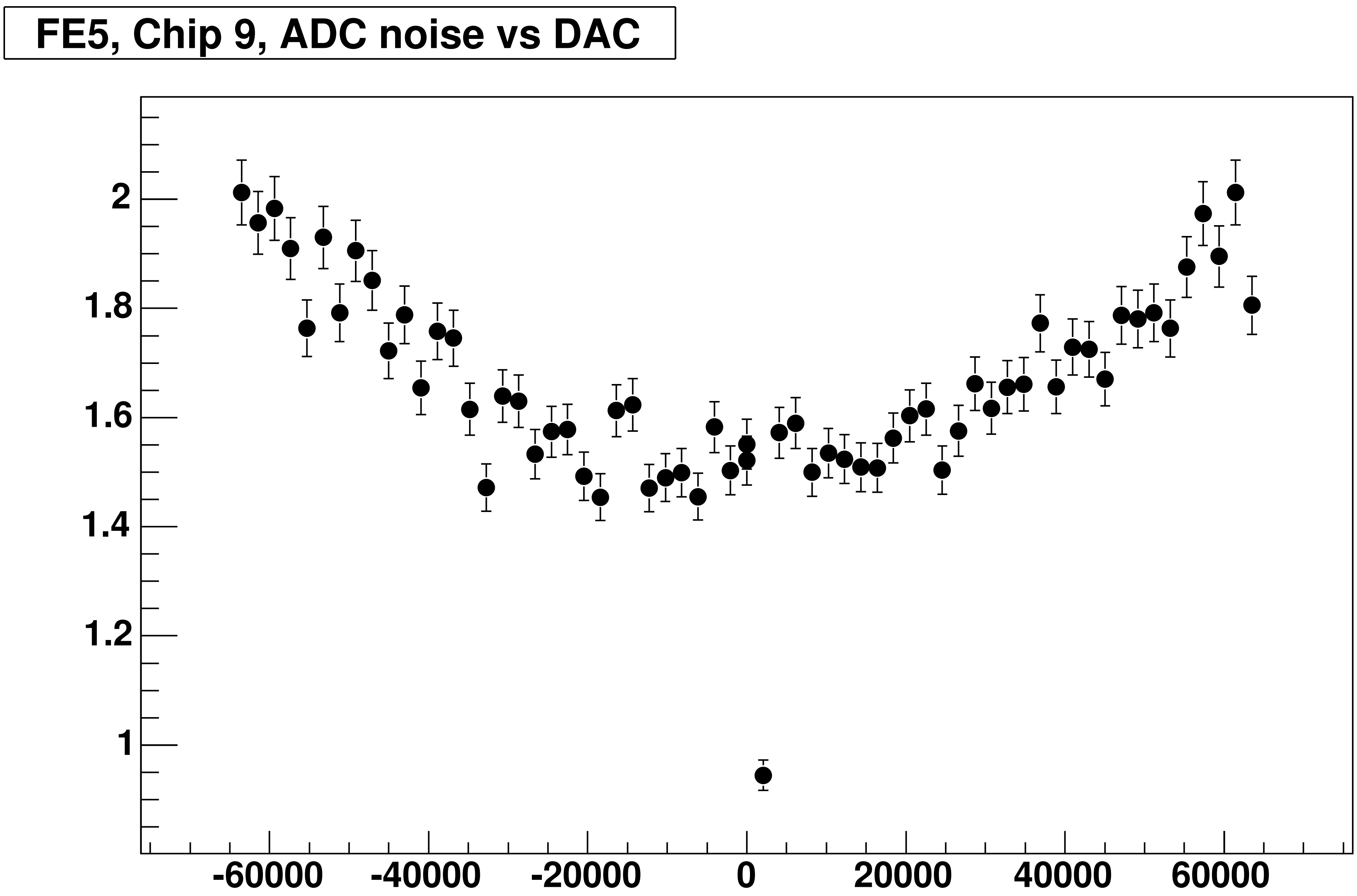


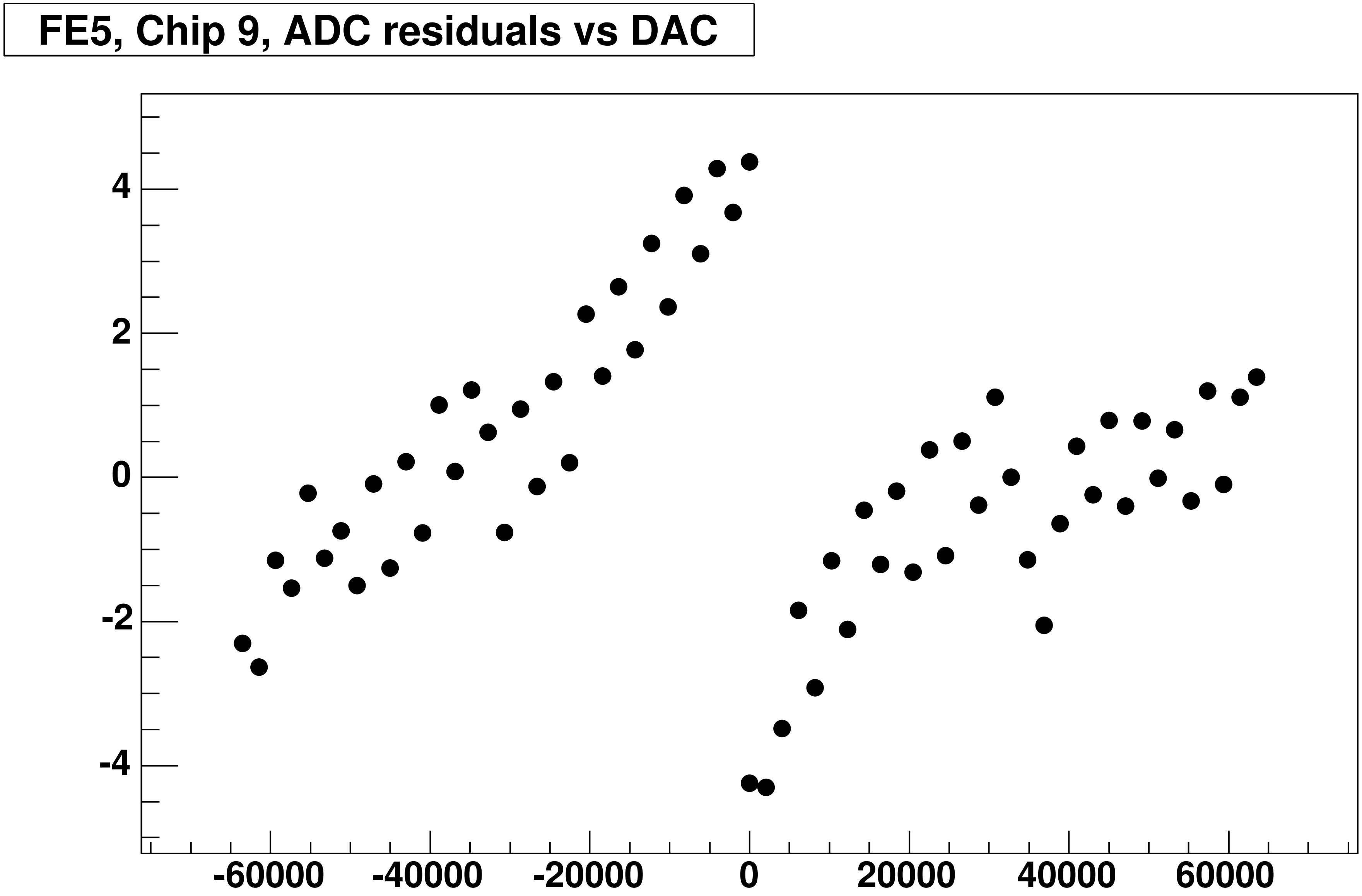
FE5, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

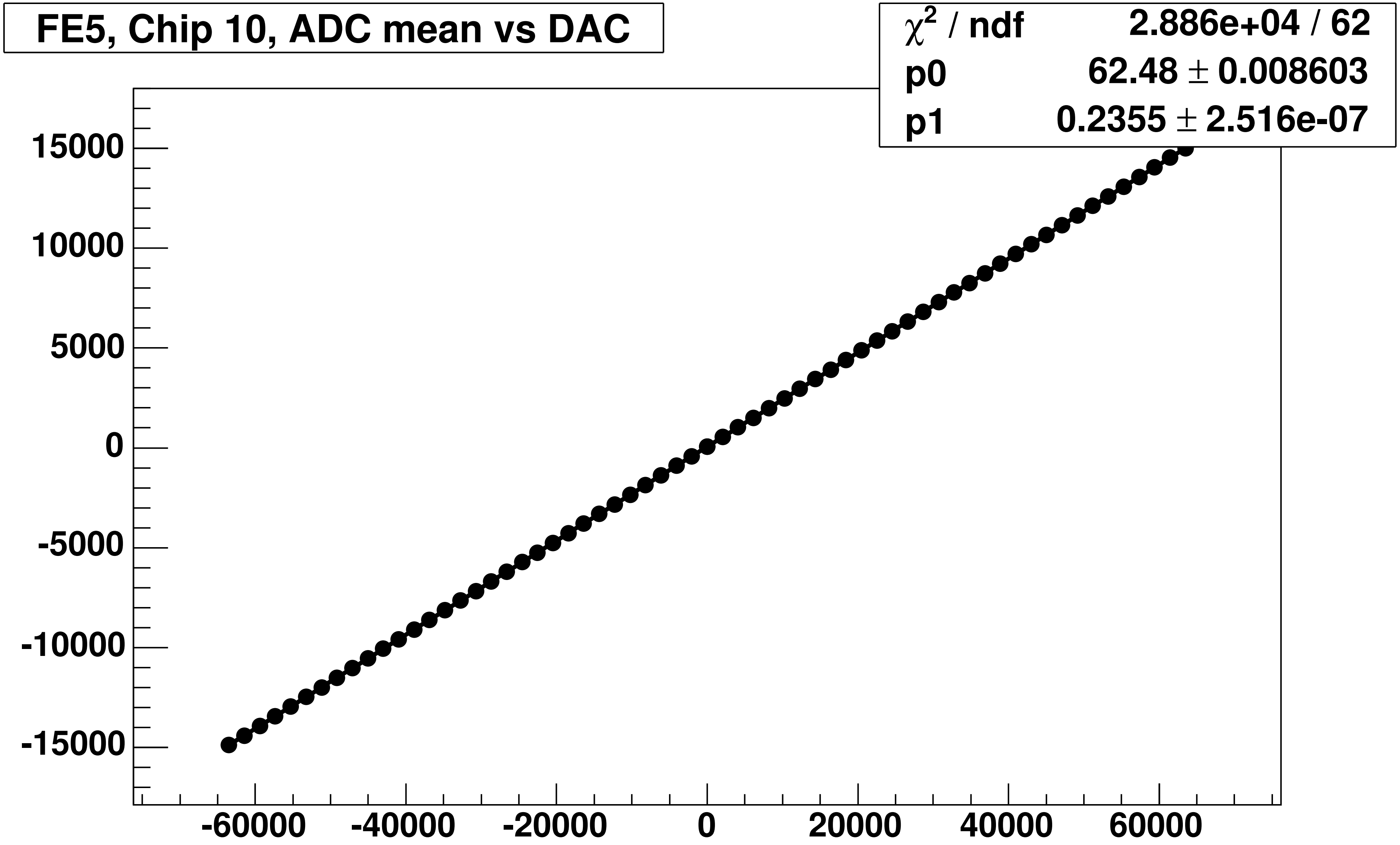

FE5, Chip 8, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000



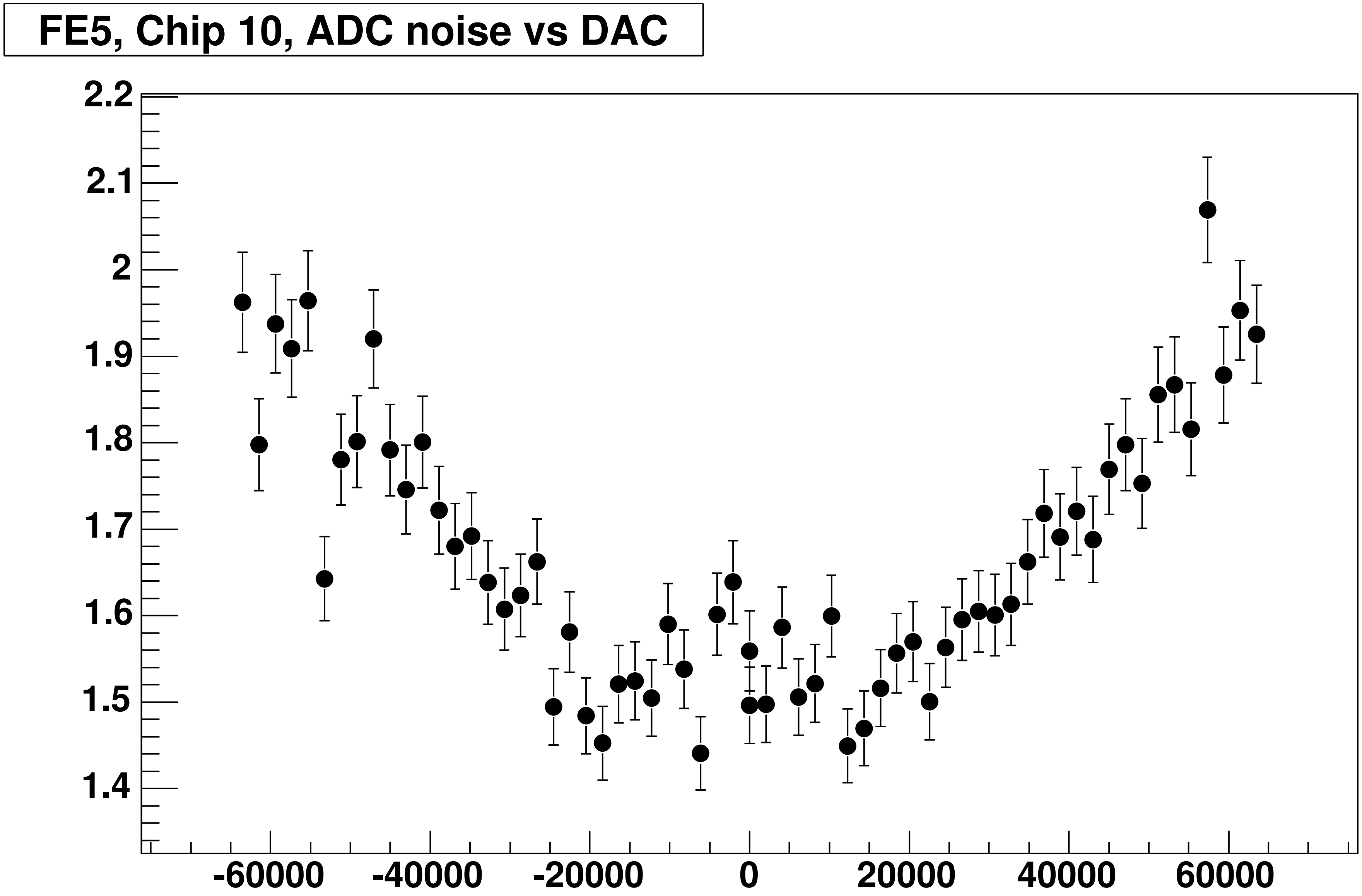
FE5, Chip 9, ADC mean vs DAC
χ² / ndf 5.943e+04 / 62
p0 31.01 ± 0.00848
p1 0.2366 ± 2.517e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

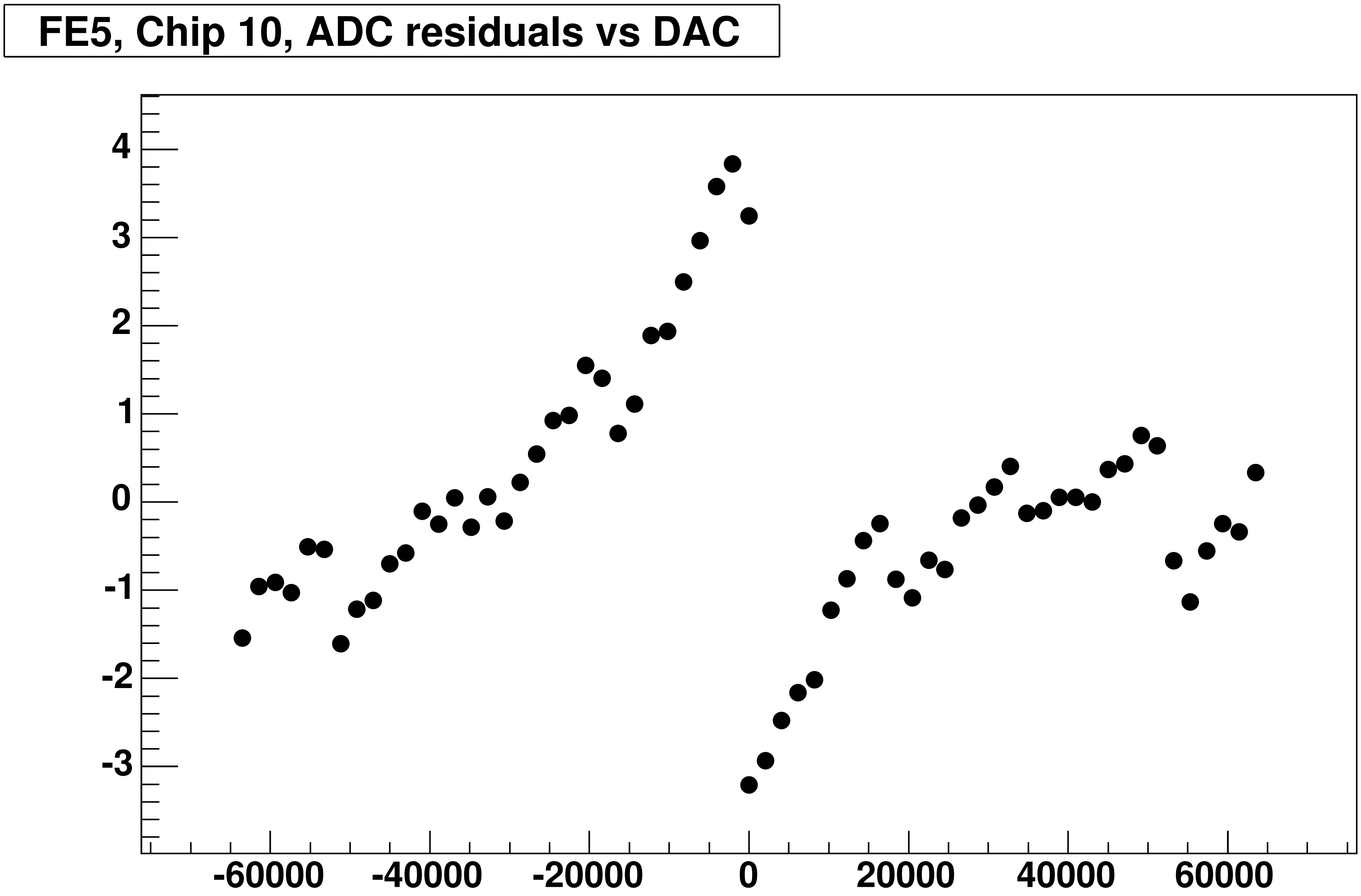

FE5, Chip 9, ADC noise vs DAC
2
1.8
1.6
1.4
1.2
1
-60000
-40000
-20000
0
20000
40000
60000

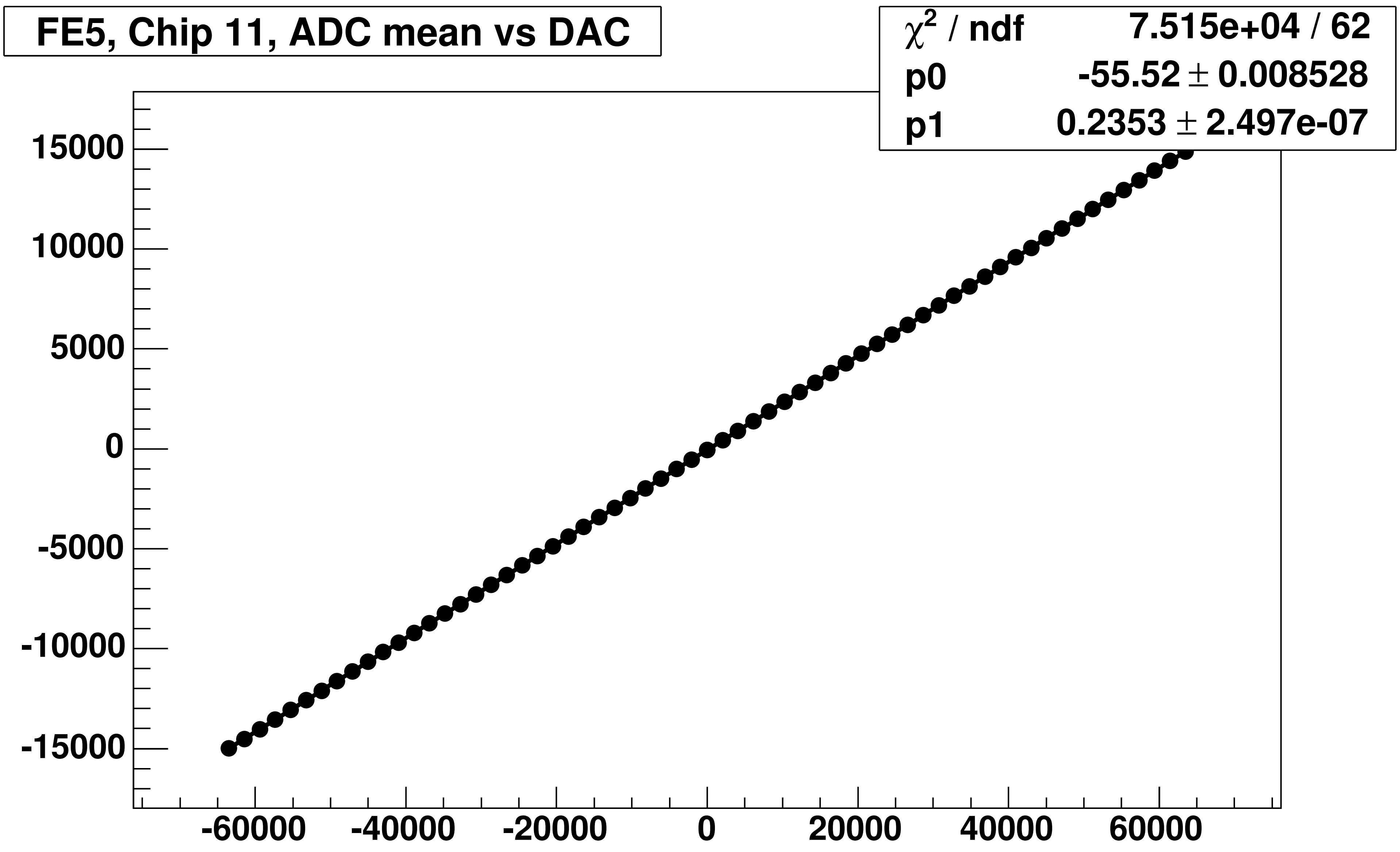

FE5, Chip 9, ADC residuals vs DAC
4
2
0
-2
-4
-60000
-40000
-20000
0
20000
40000
60000



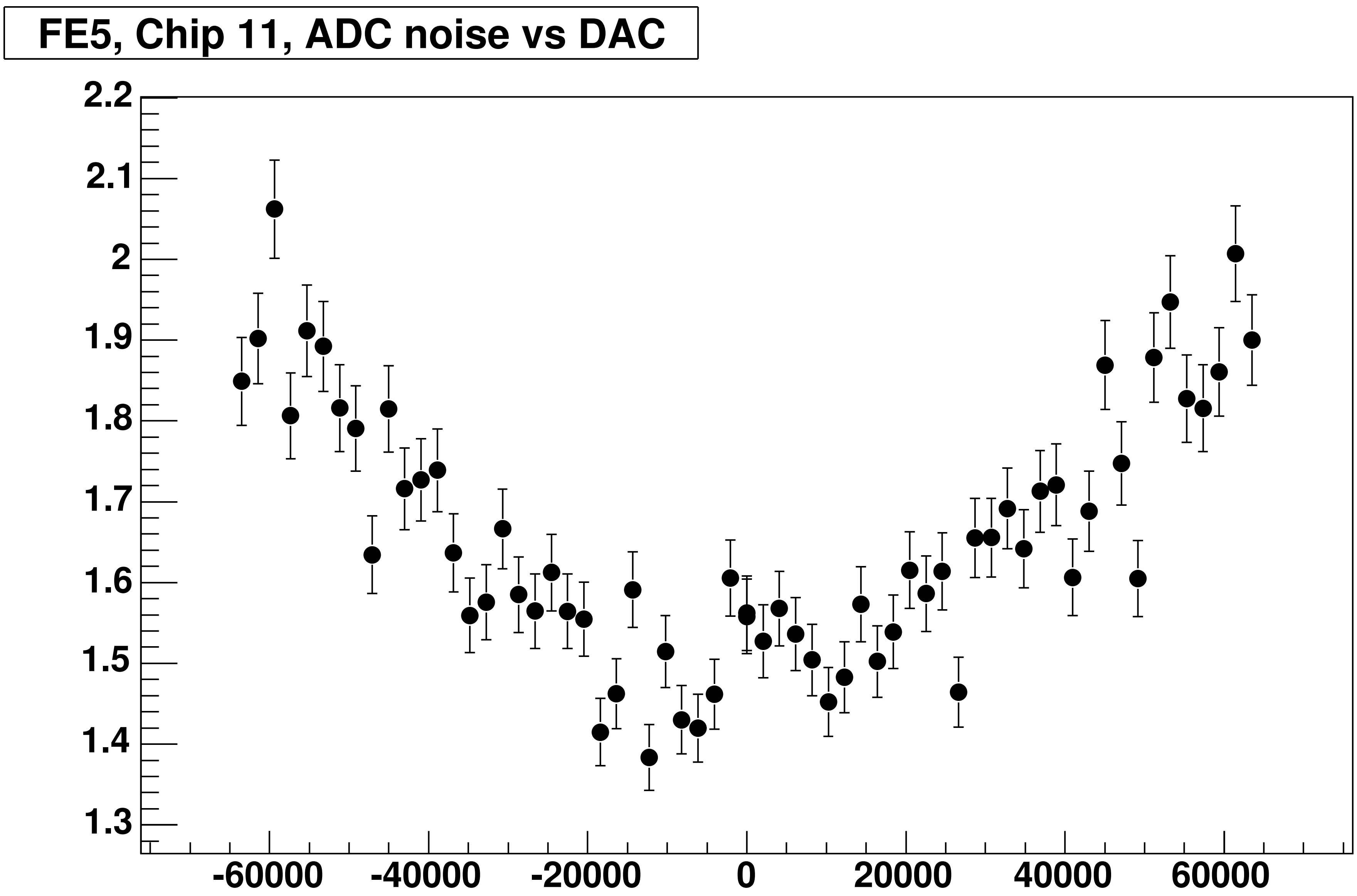
FE5, Chip 10, ADC mean vs DAC
χ^2 / ndf 2.886e+04 / 62
p0 62.48 ± 0.008603
p1 0.2355 ± 2.516e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

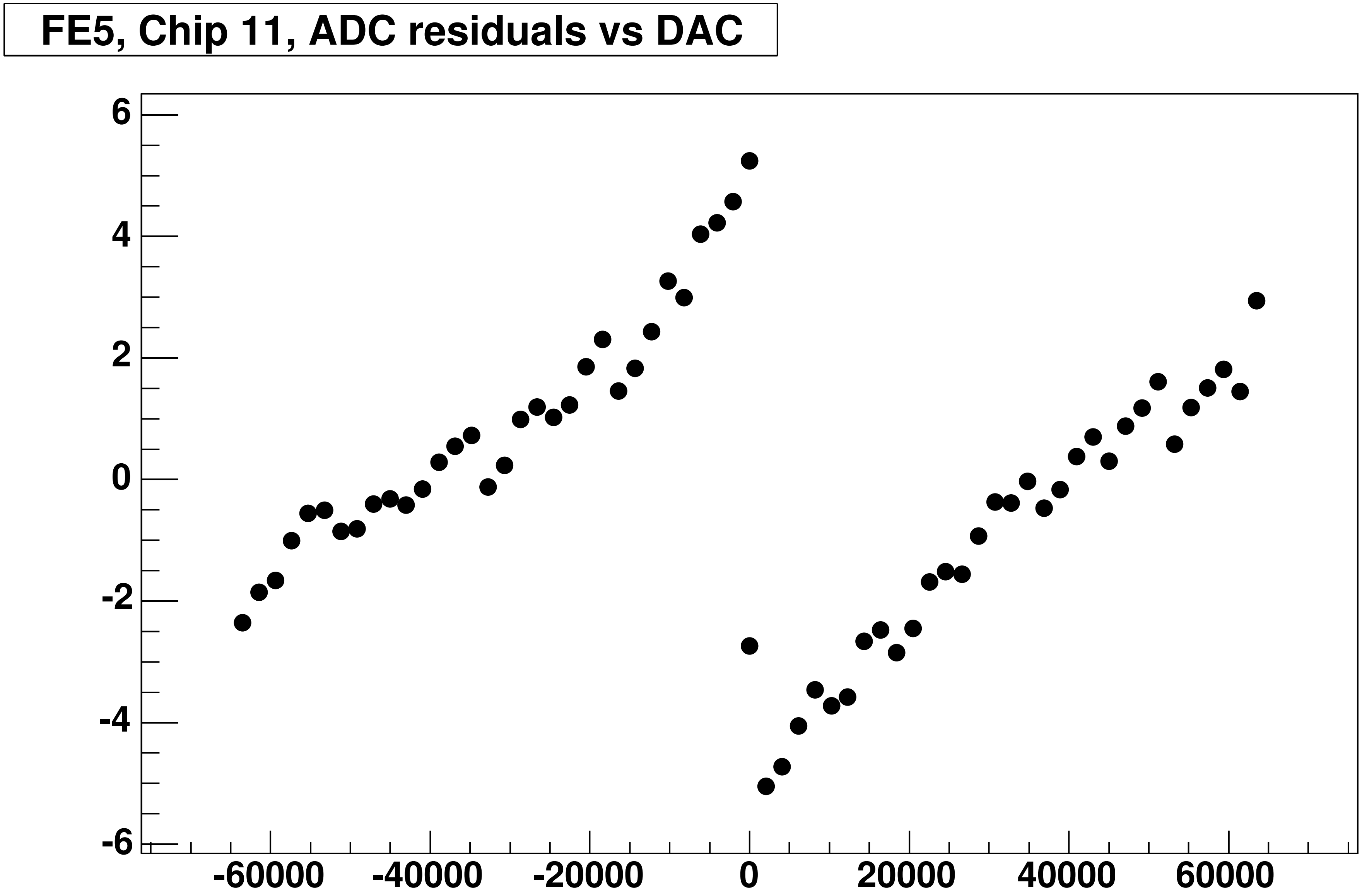

FE5, Chip 10, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

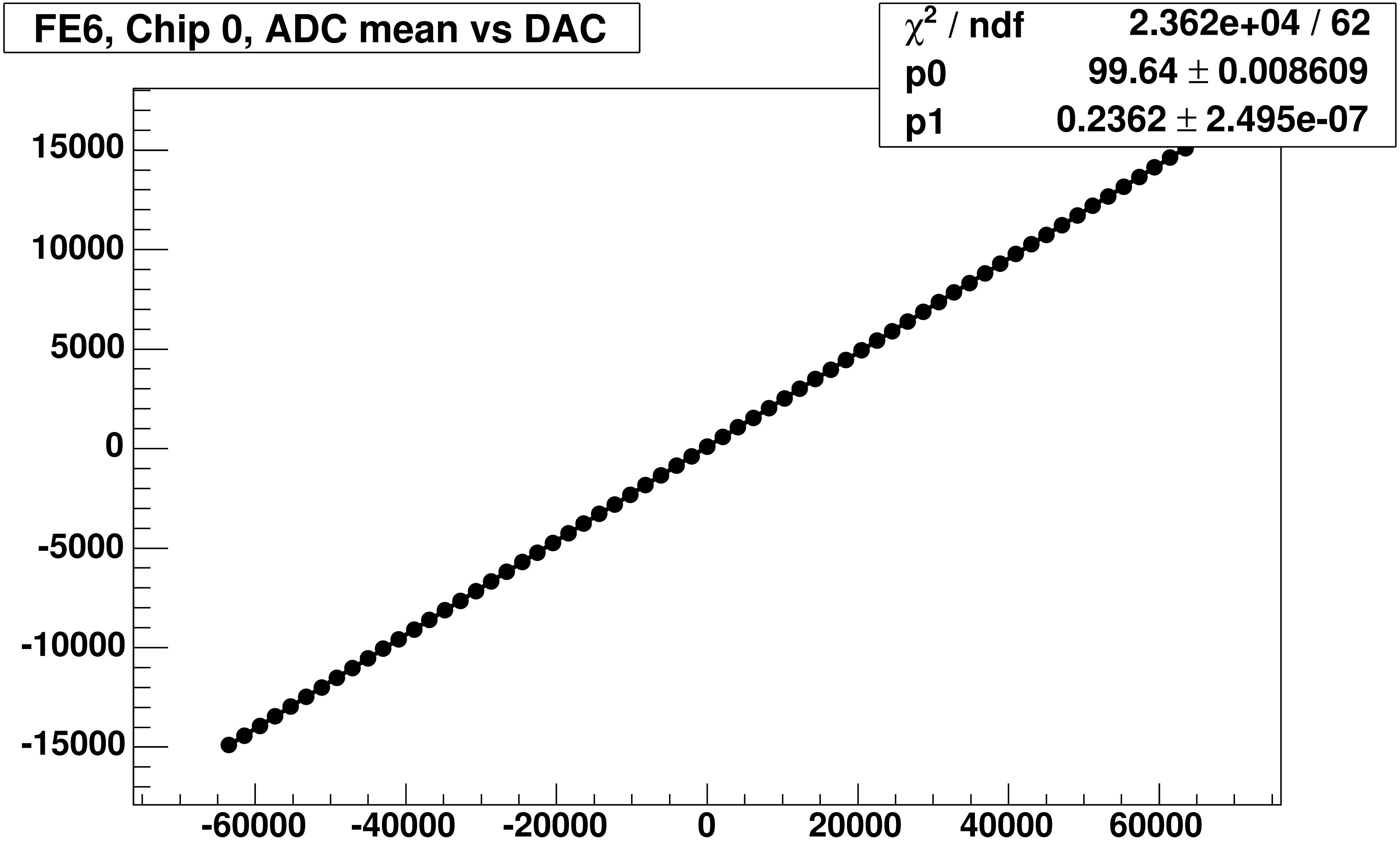

FE5, Chip 10, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000



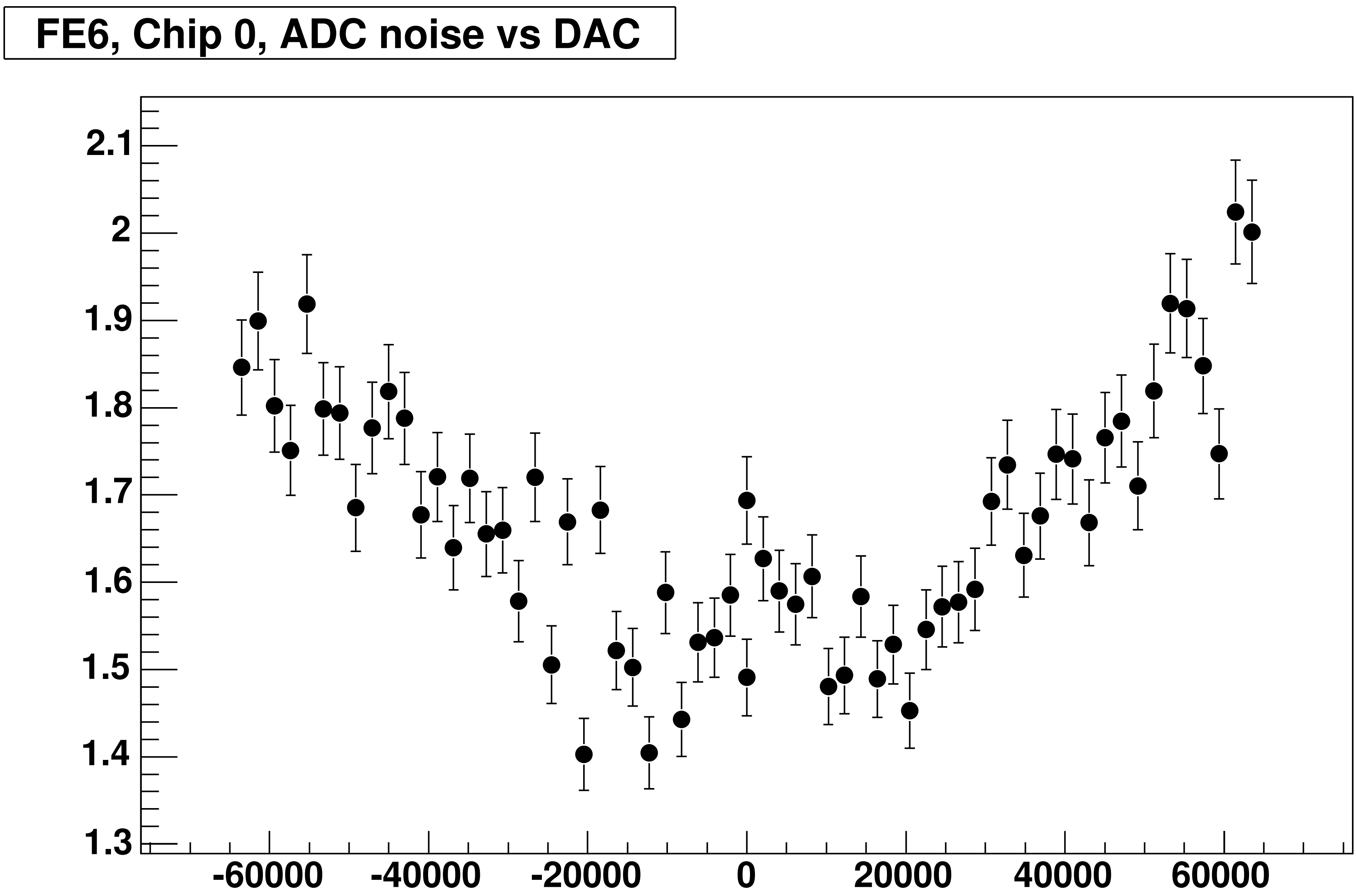
FE5, Chip 11, ADC mean vs DAC
χ² / ndf 7.515e+04 / 62
p0 -55.52 ± 0.008528
p1 0.2353 ± 2.497e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE5, Chip 11, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

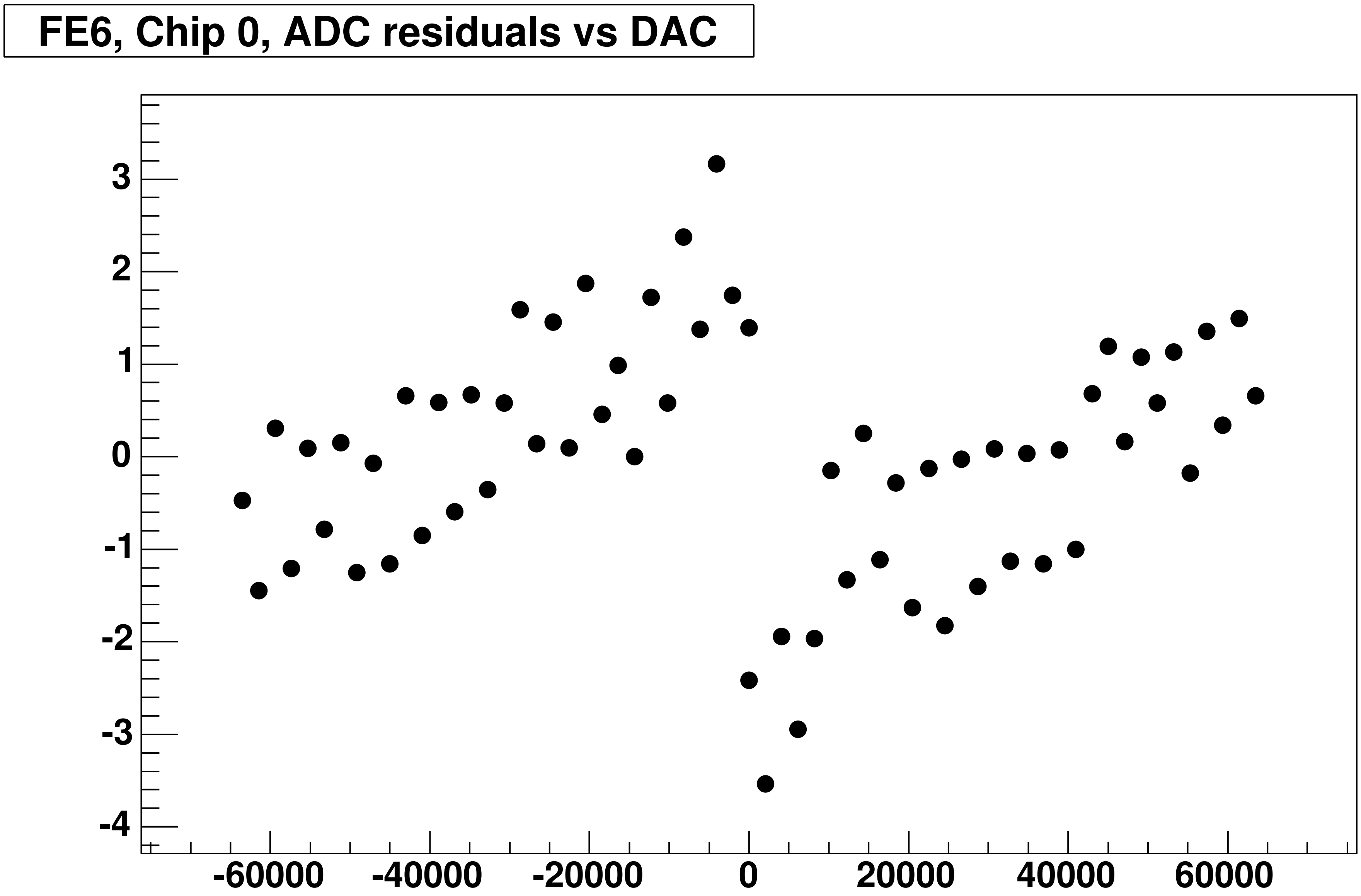

FE5, Chip 11, ADC residuals vs DAC
6
4
2
0
-2
-4
-6
-60000
-40000
-20000
0
20000
40000
60000

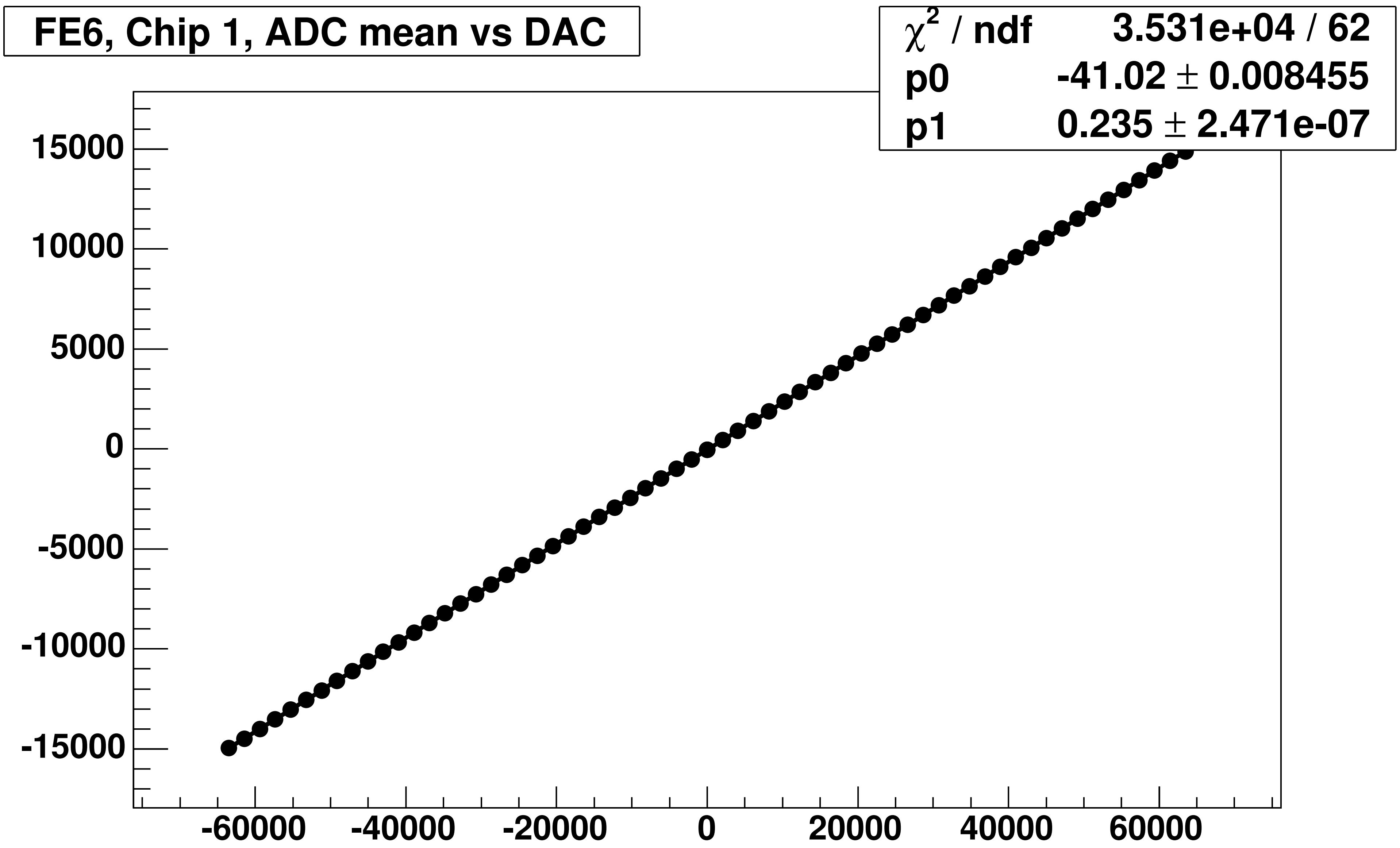


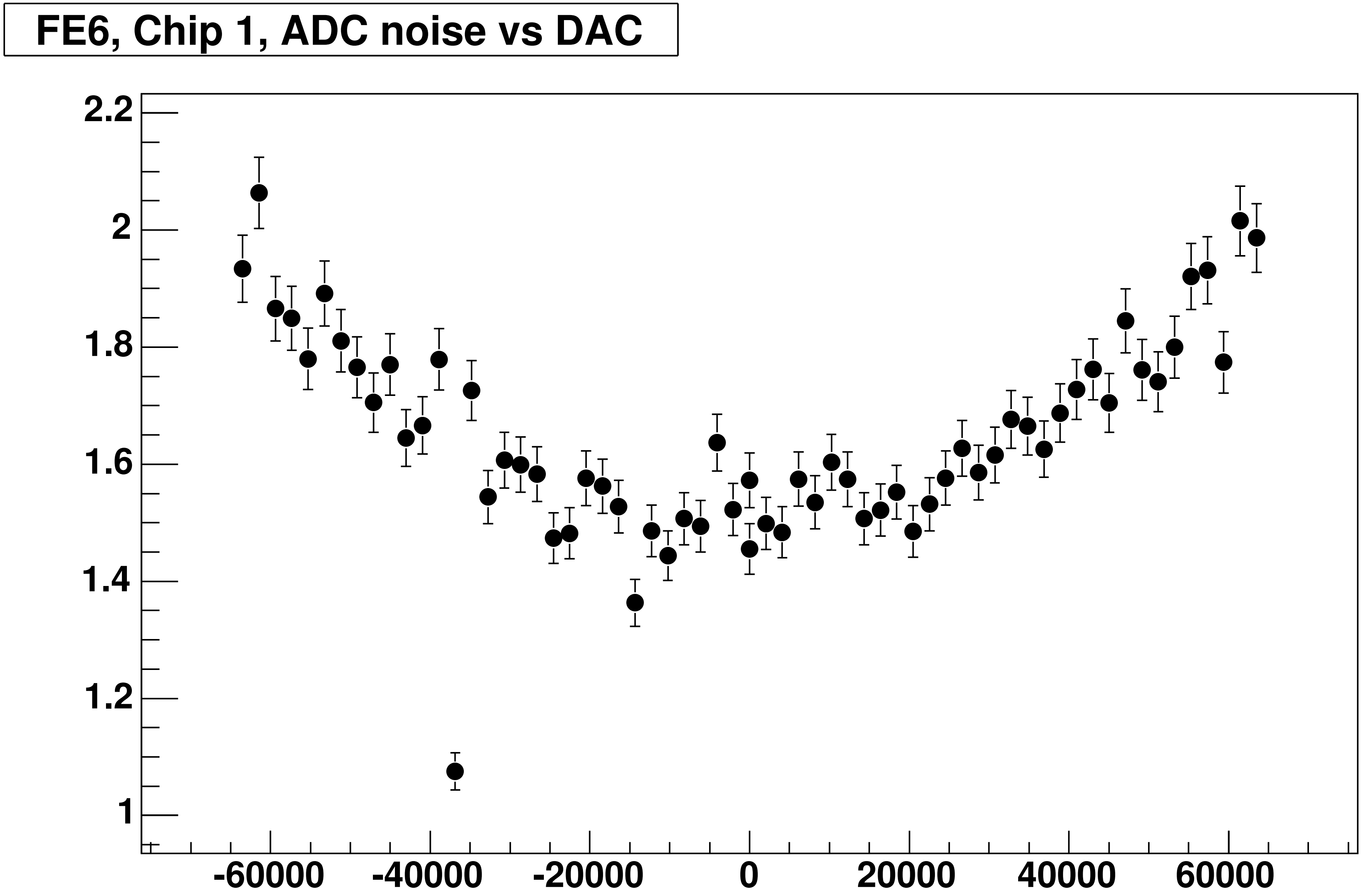
FE6, Chip 0, ADC mean vs DAC
χ^2 / ndf 2.362e+04 / 62
p0 99.64 ± 0.008609
p1 0.2362 ± 2.495e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

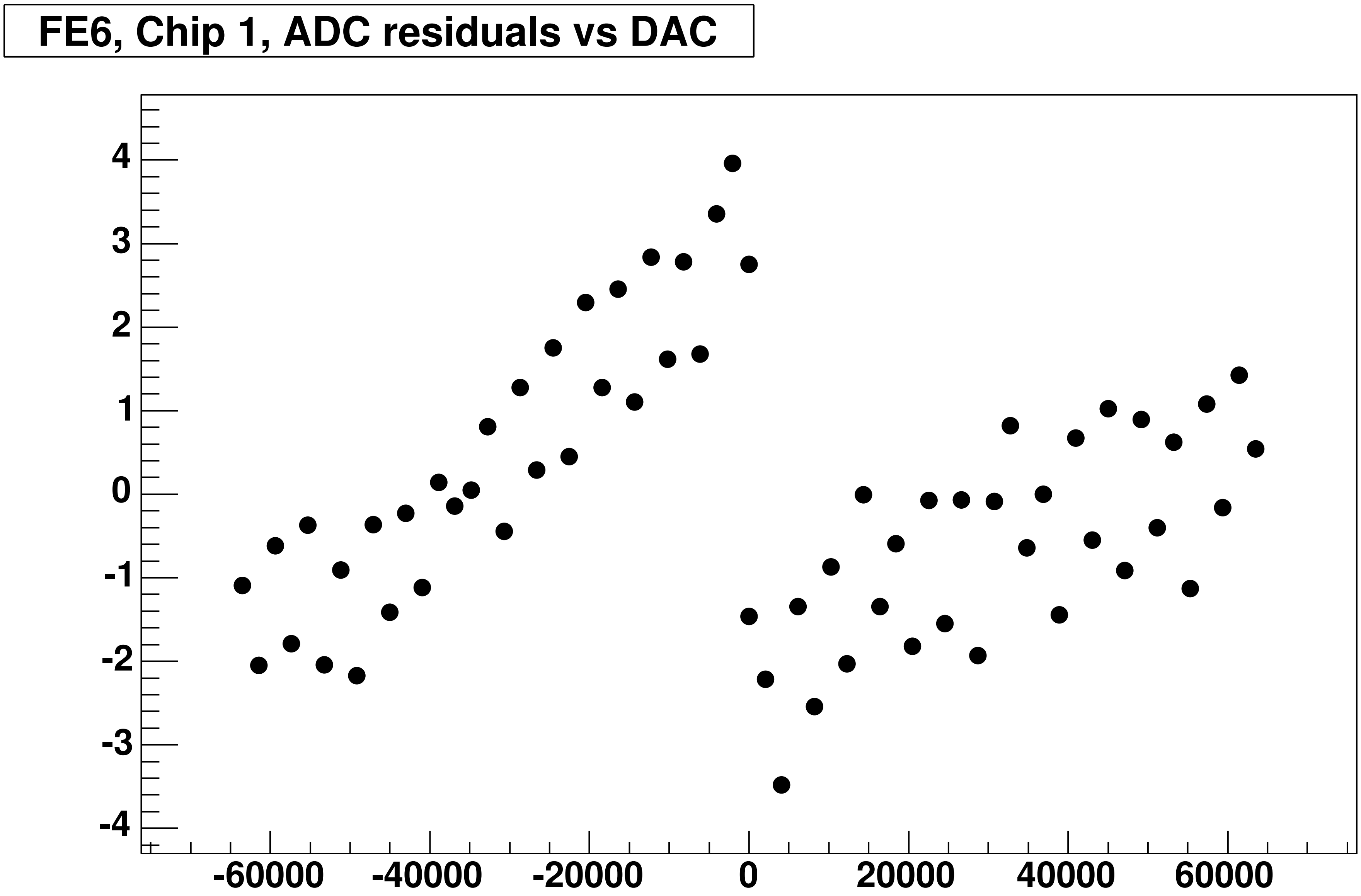


FE6, Chip 0, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

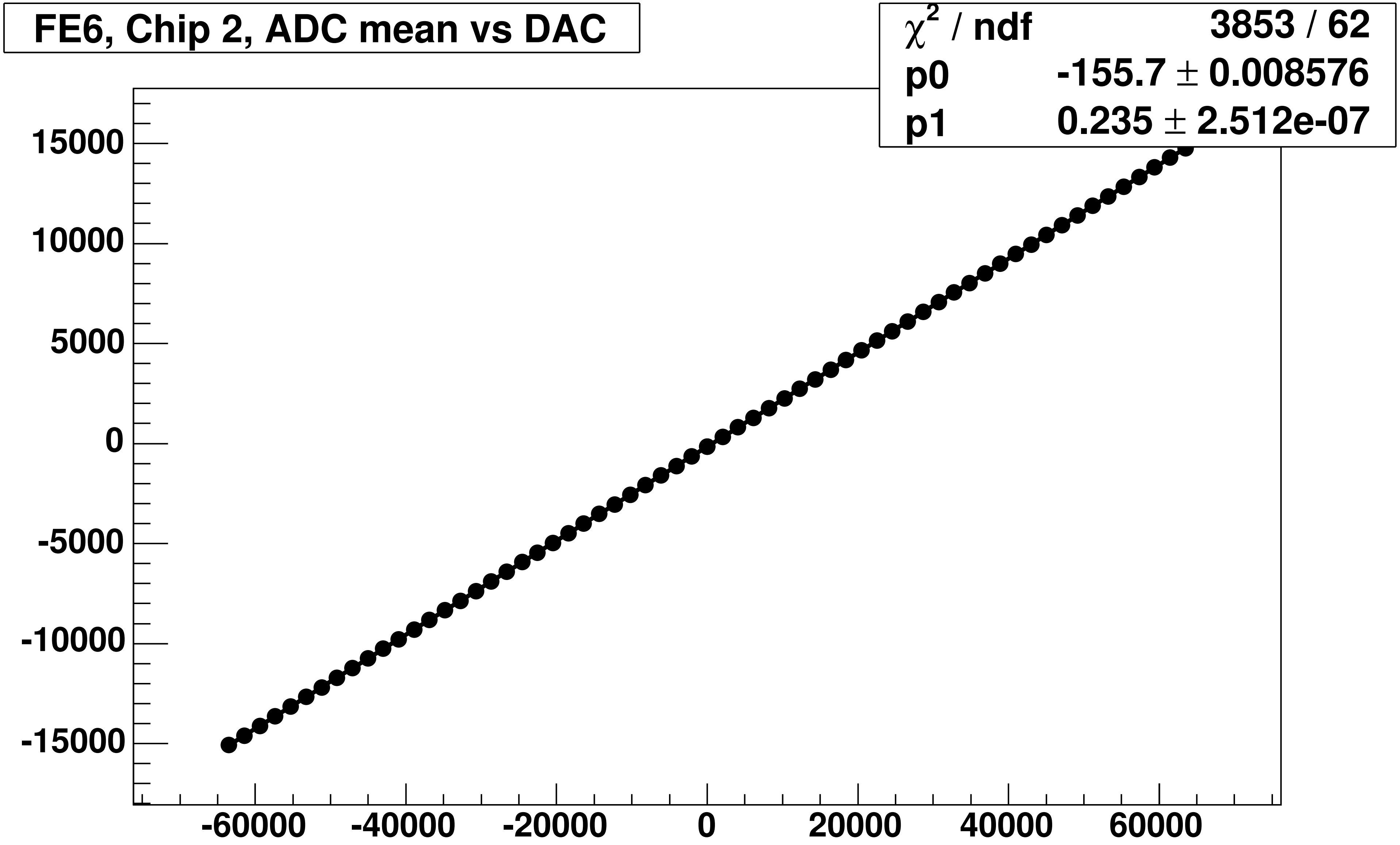

FE6, Chip 0, ADC residuals vs DAC
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

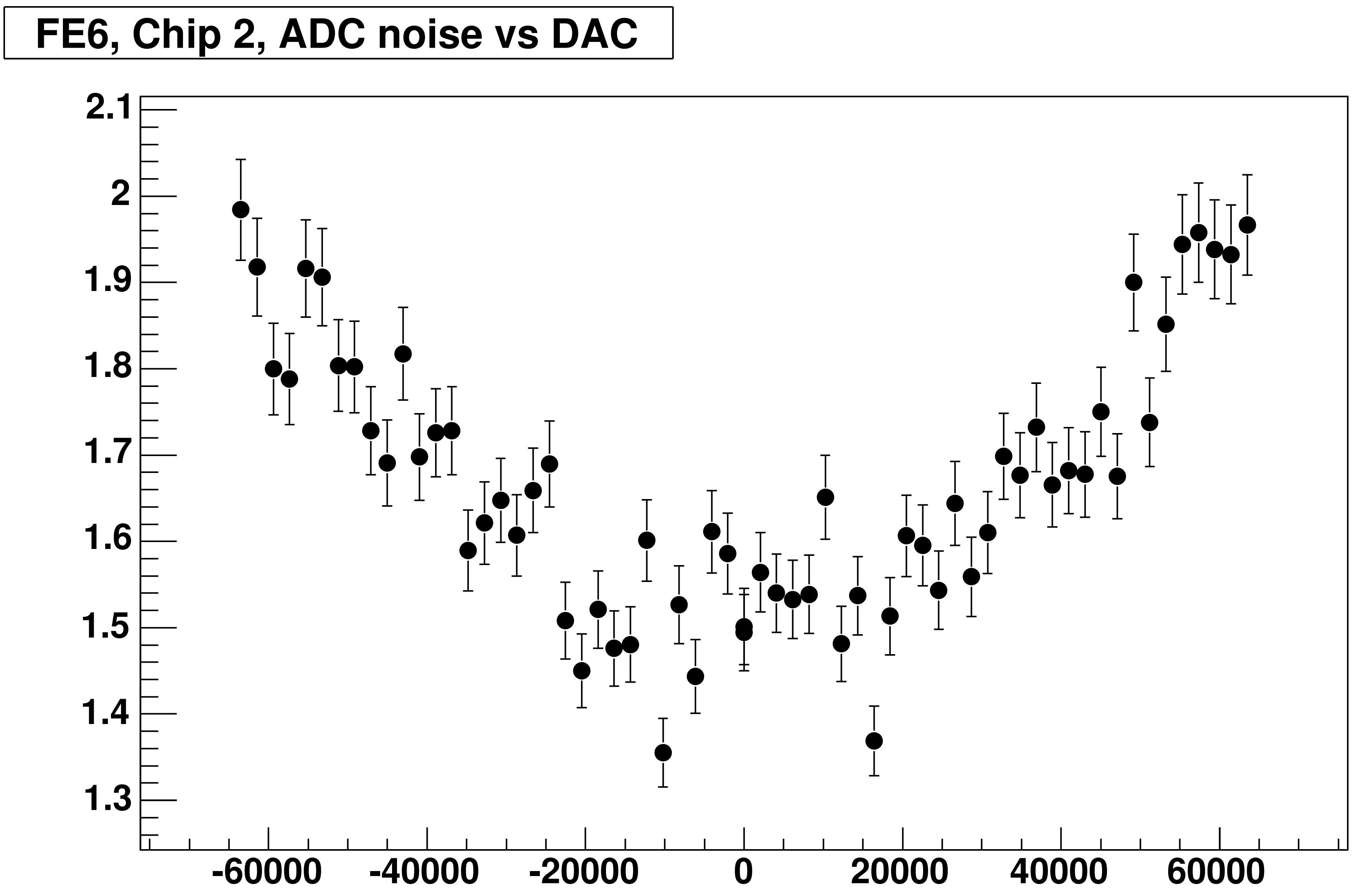

FE6, Chip 1, ADC mean vs DAC
χ² / ndf 3.531e+04 / 62
p0 -41.02 ± 0.008455
p1 0.235 ± 2.471e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

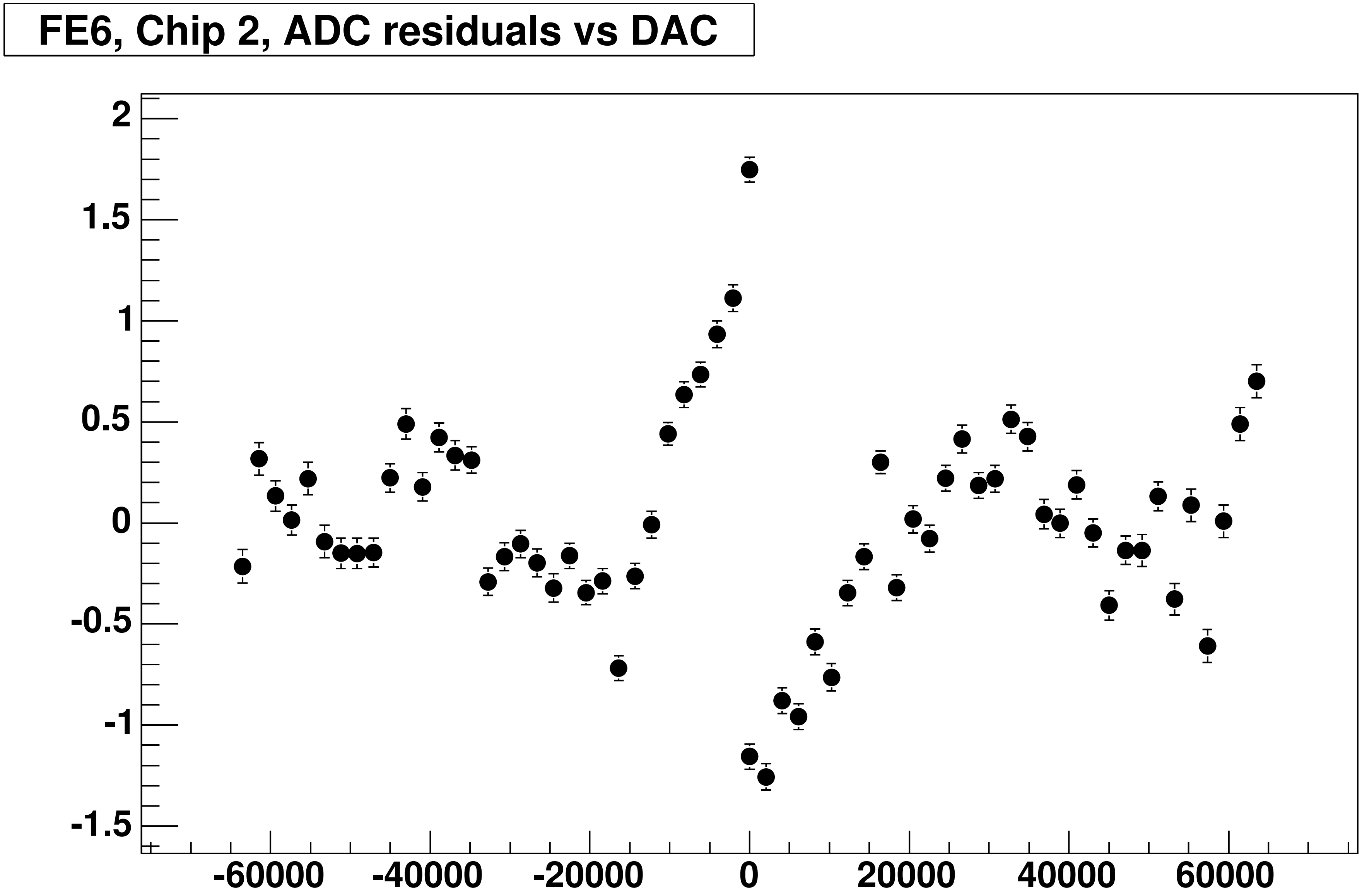

FE6, Chip 1, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
1.2
1
-60000
-40000
-20000
0
20000
40000
60000

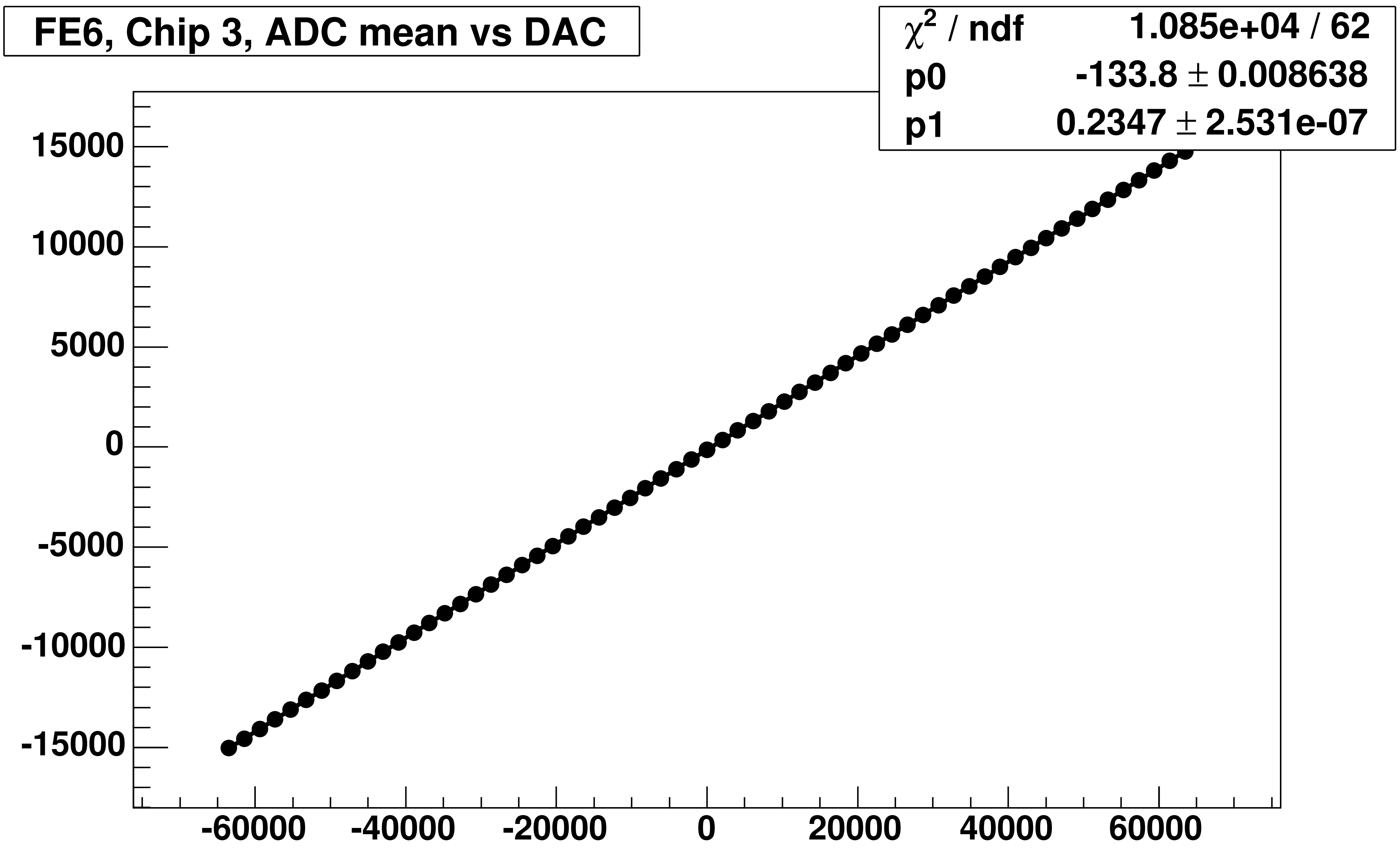


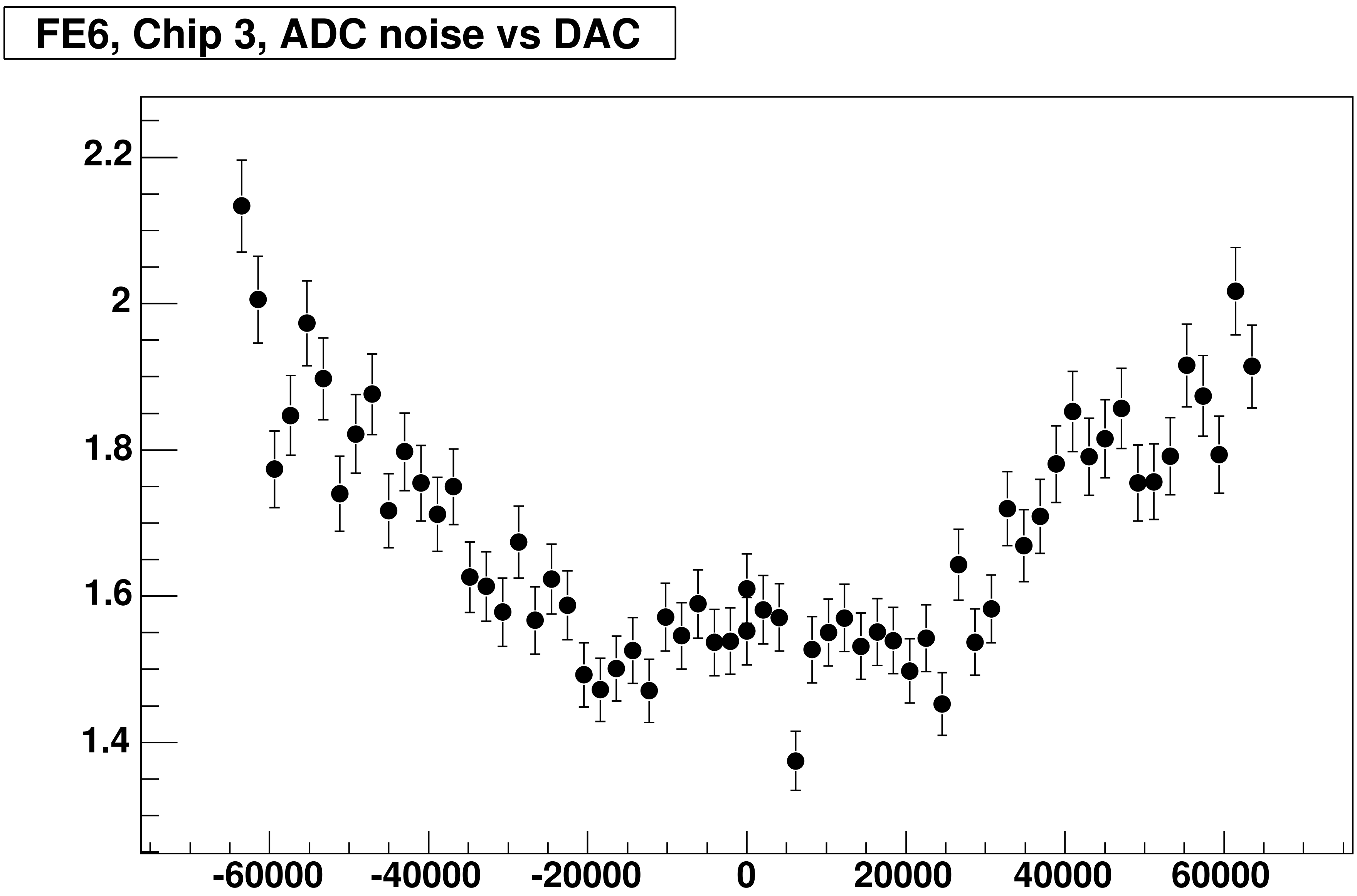
FE6, Chip 1, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

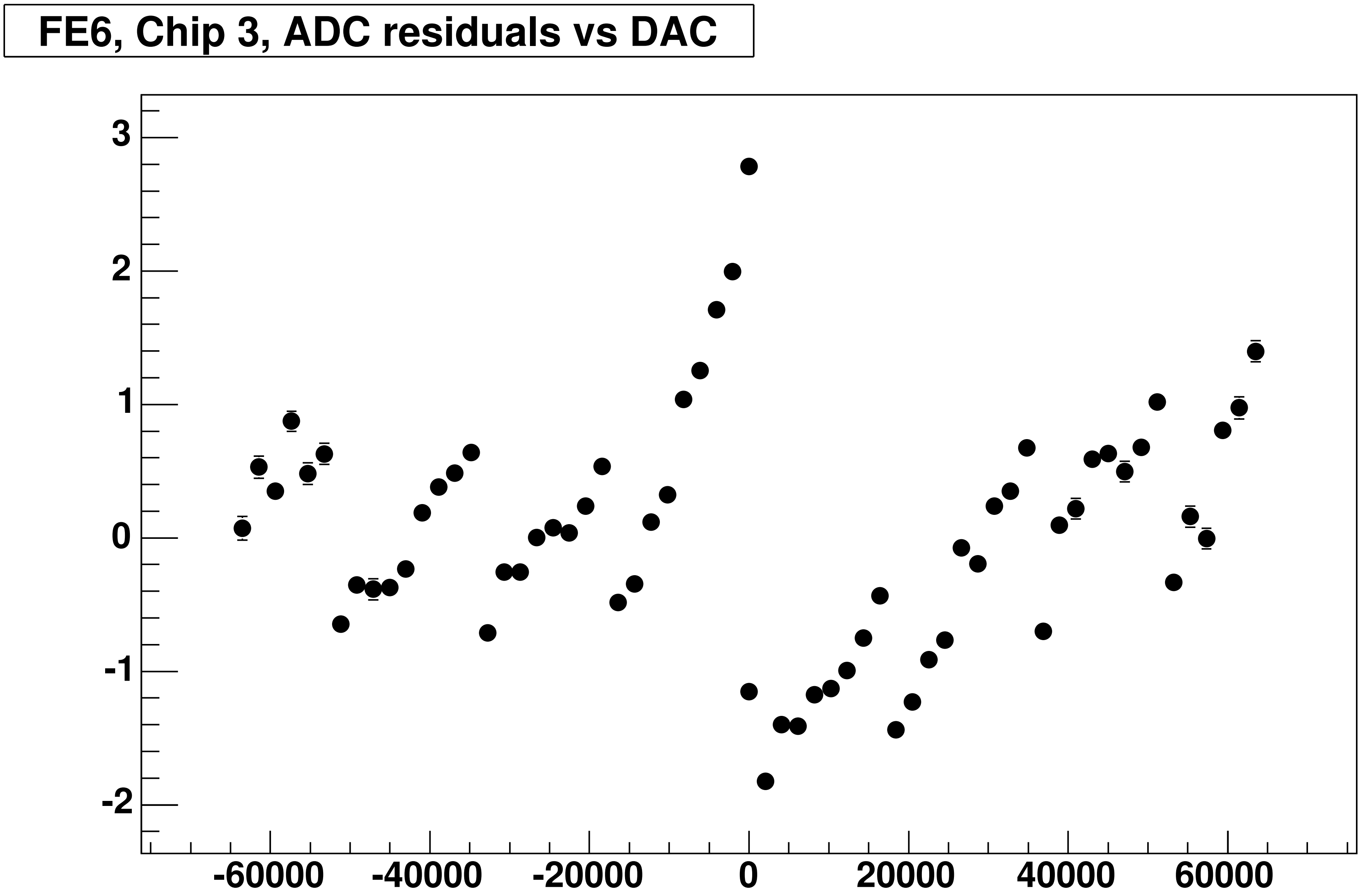

FE6, Chip 2, ADC mean vs DAC
χ^2 / ndf 3853 / 62
p0 -155.7 ± 0.008576
p1 0.235 ± 2.512e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


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

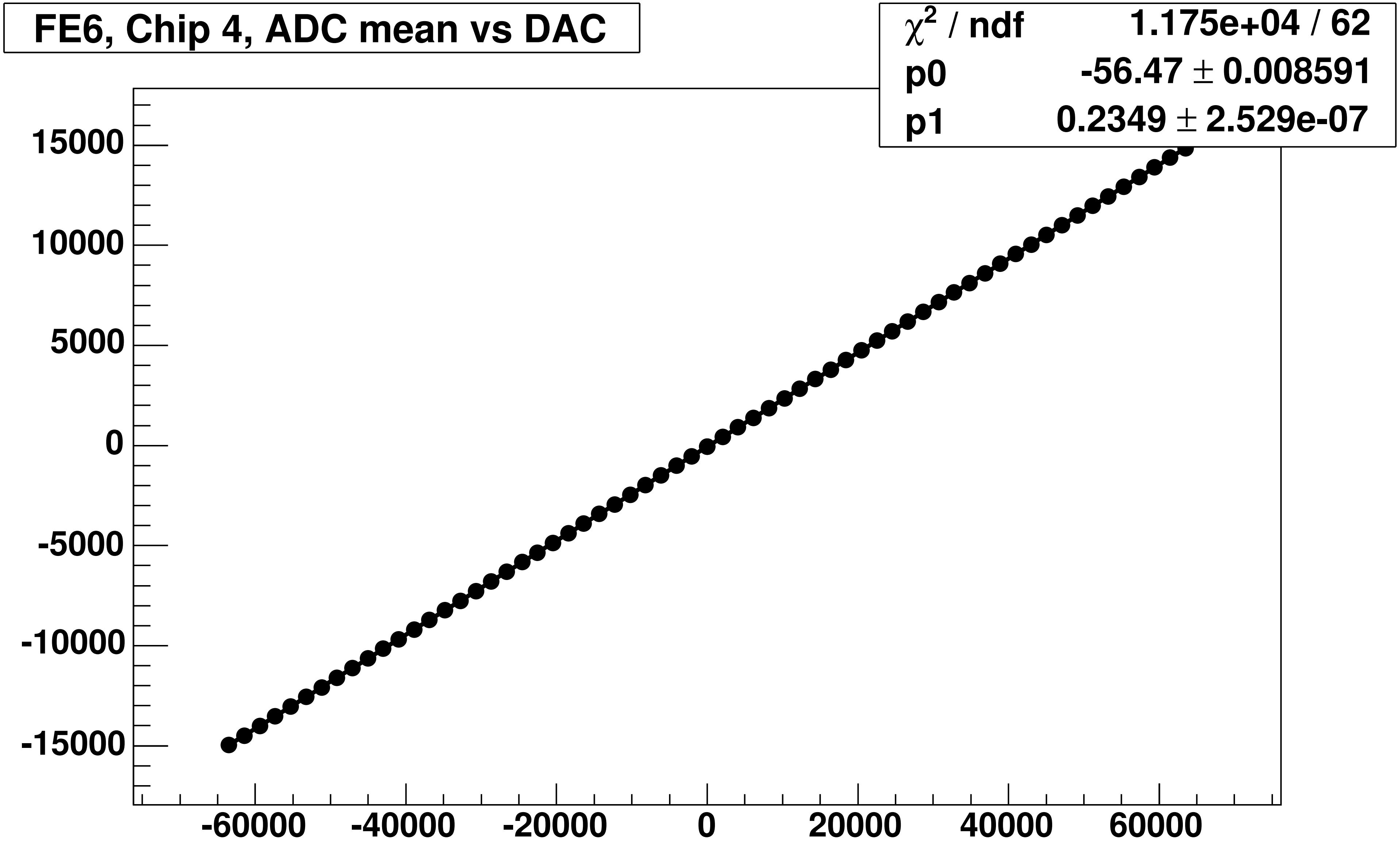

FE6, Chip 2, ADC residuals vs DAC
2
1.5
1
0.5
0
-0.5
-1
-1.5
-60000
-40000
-20000
0
20000
40000
60000

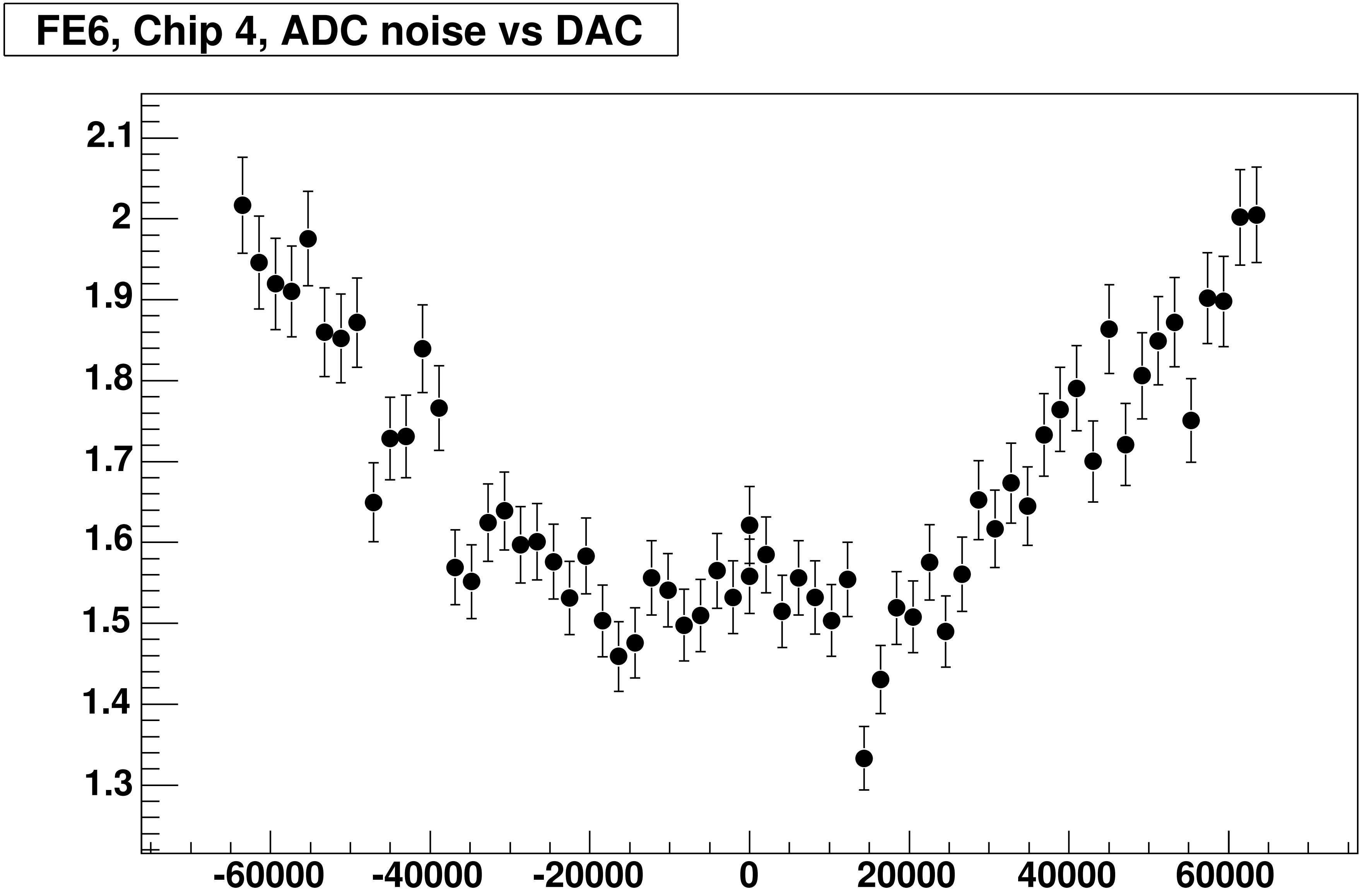

FE6, Chip 3, ADC mean vs DAC
χ^2 / ndf 1.085e+04 / 62
p0 -133.8 ± 0.008638
p1 0.2347 ± 2.531e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

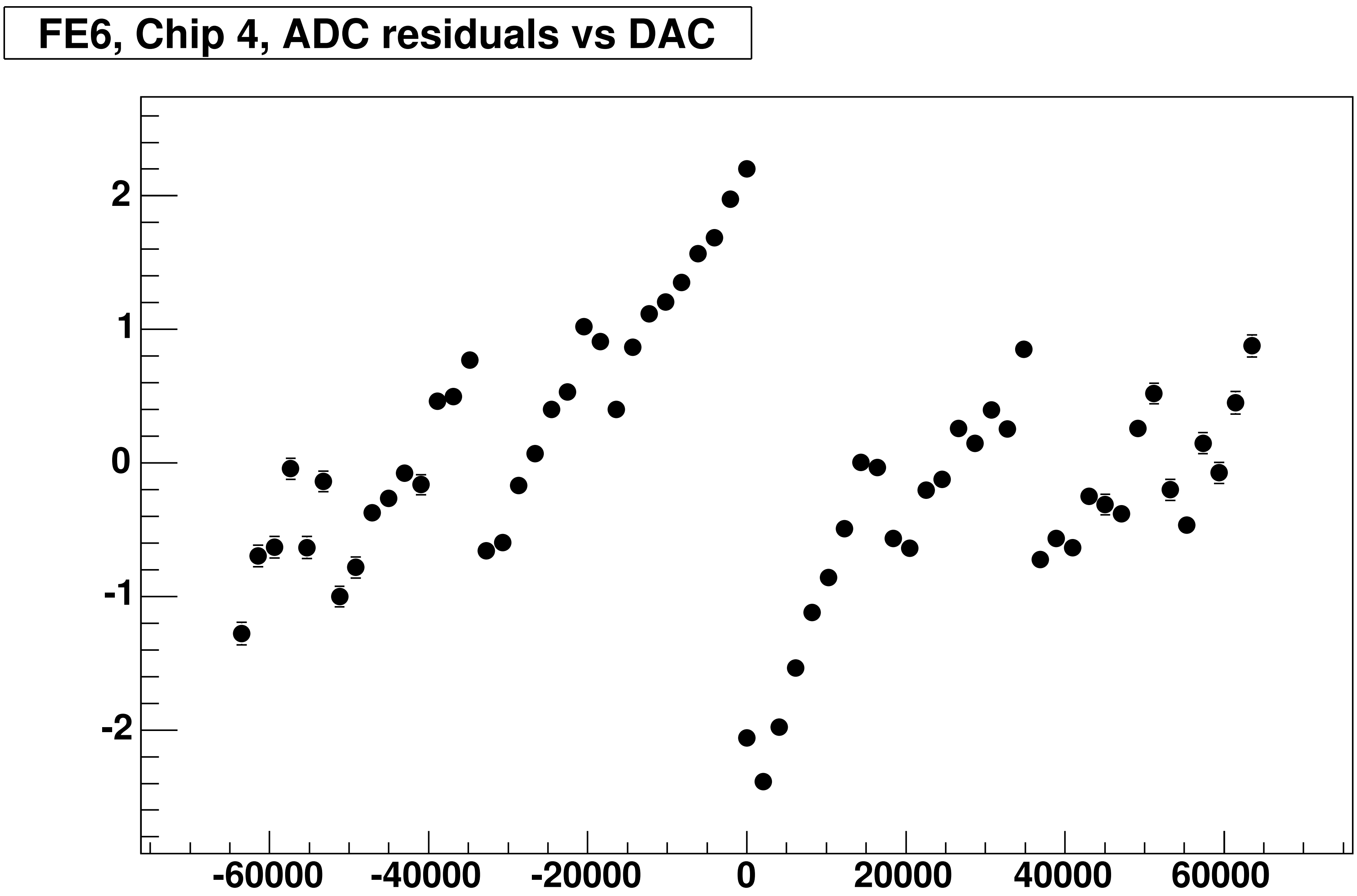

FE6, Chip 3, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

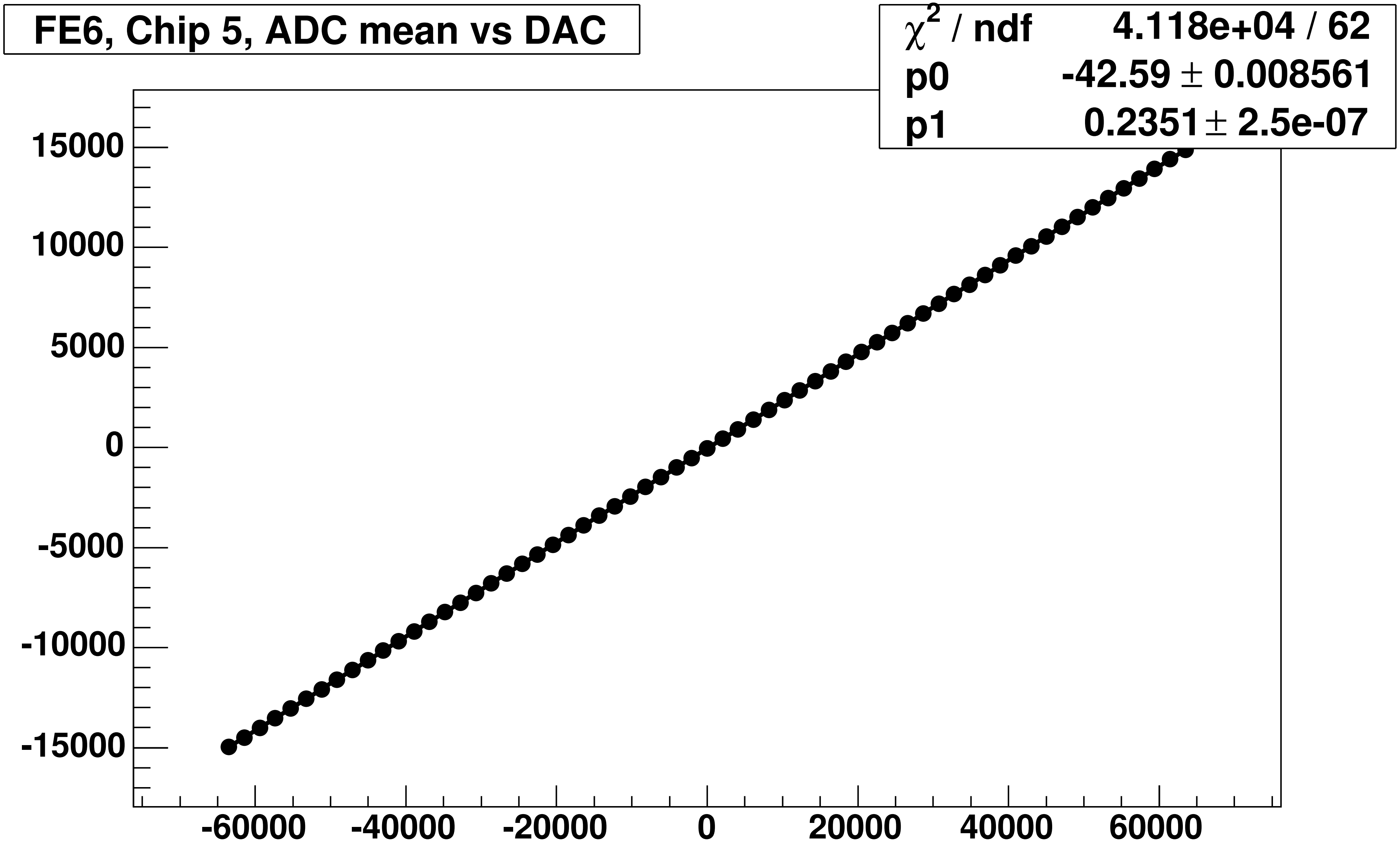


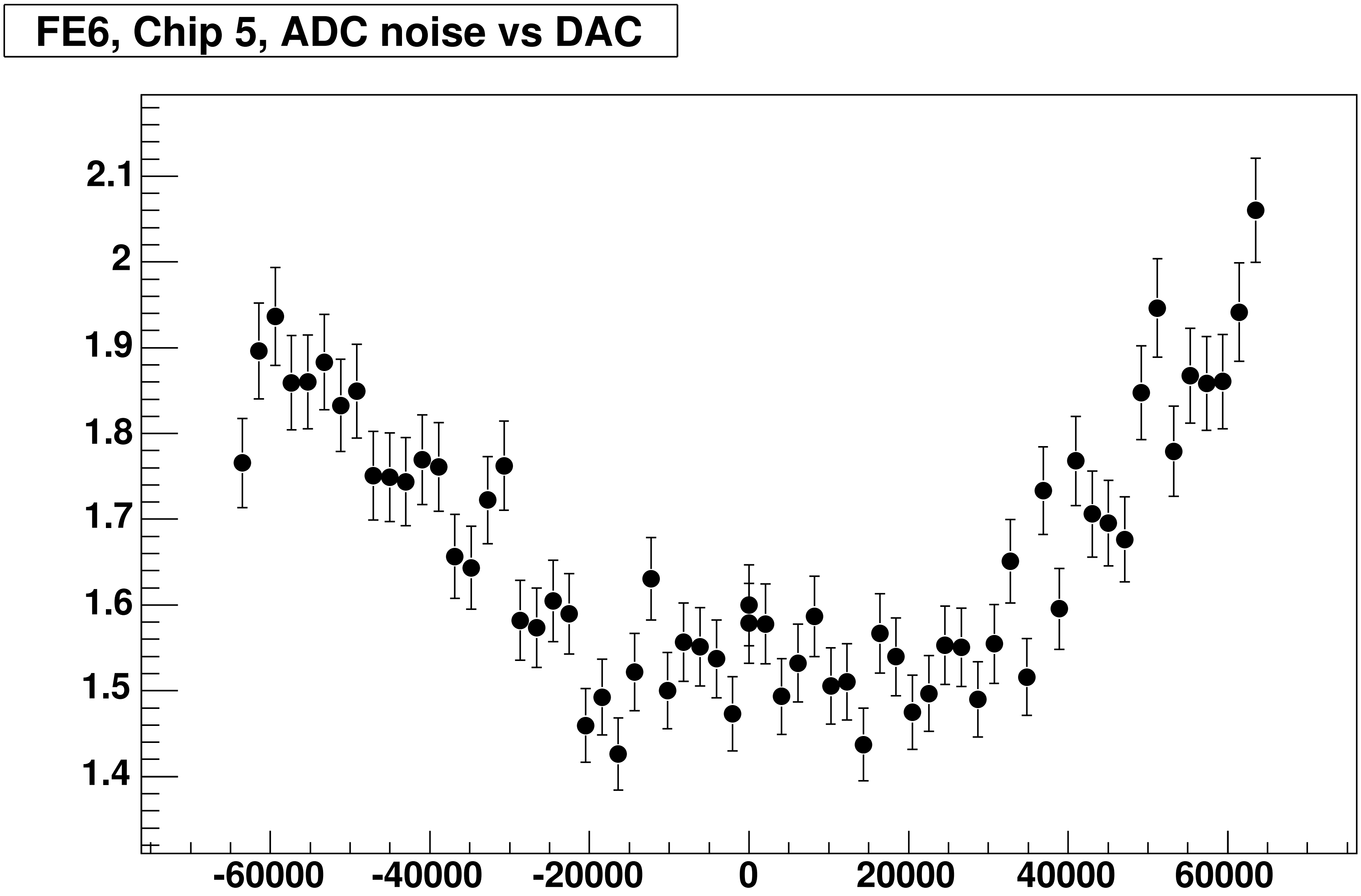
FE6, Chip 3, ADC residuals vs DAC
3
2
1
0
-1
-2
-60000
-40000
-20000
0
20000
40000
60000

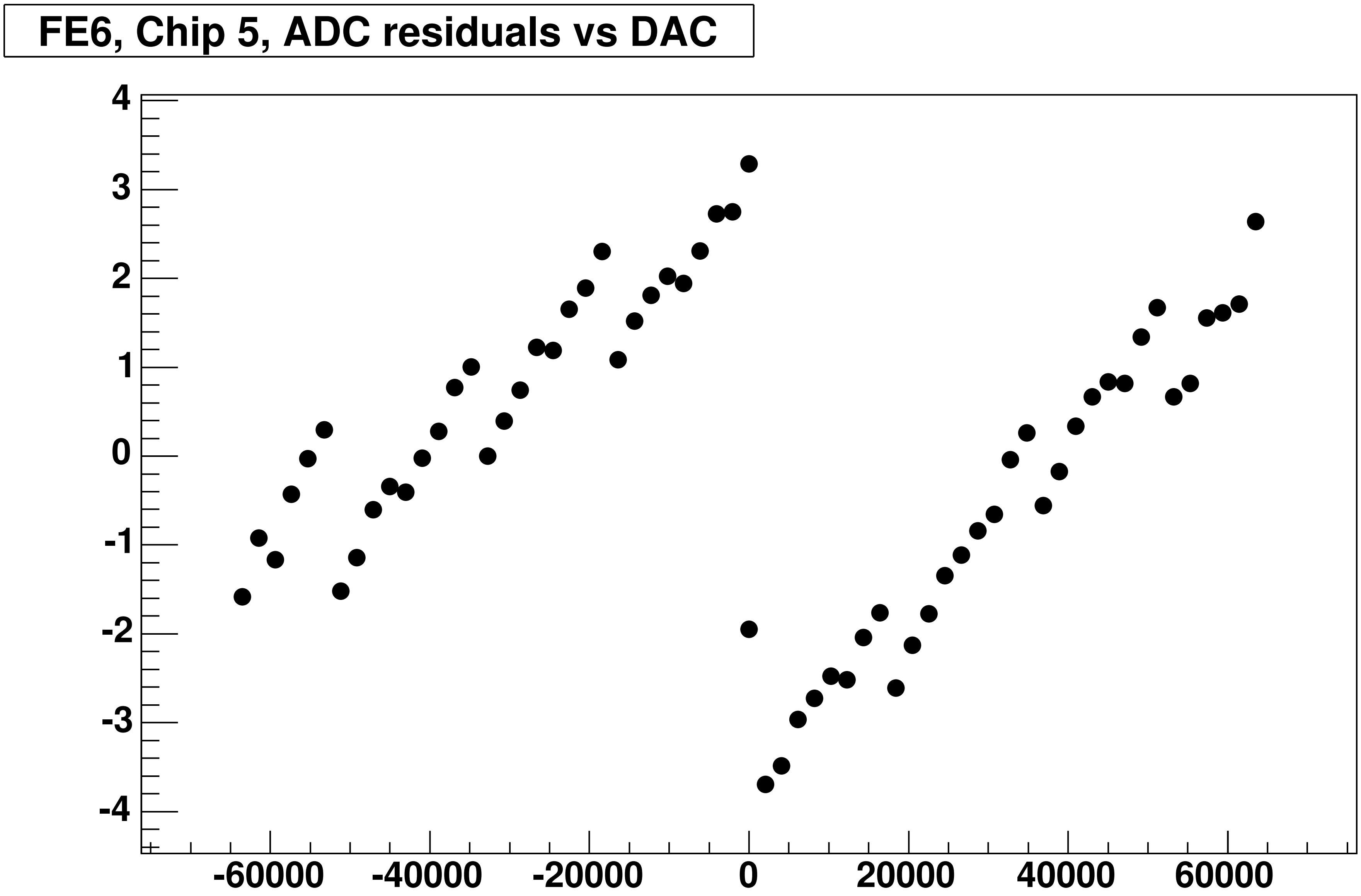

FE6, Chip 4, ADC mean vs DAC
χ^2 / ndf 1.175e+04 / 62
p0 -56.47 ± 0.008591
p1 0.2349 ± 2.529e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

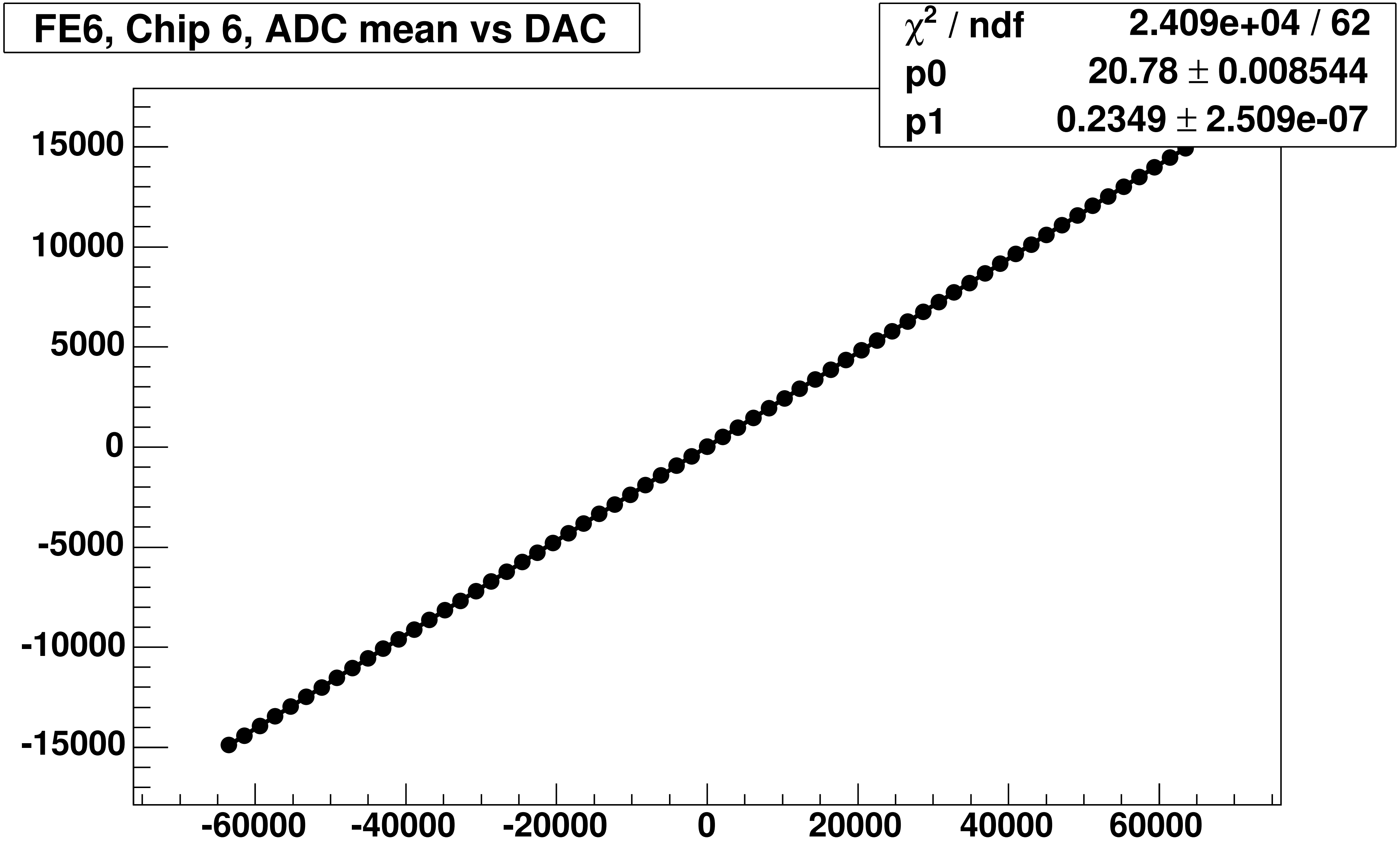

FE6, Chip 4, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 4, ADC residuals vs DAC
2
1
0
-1
-2
-60000
-40000
-20000
0
20000
40000
60000

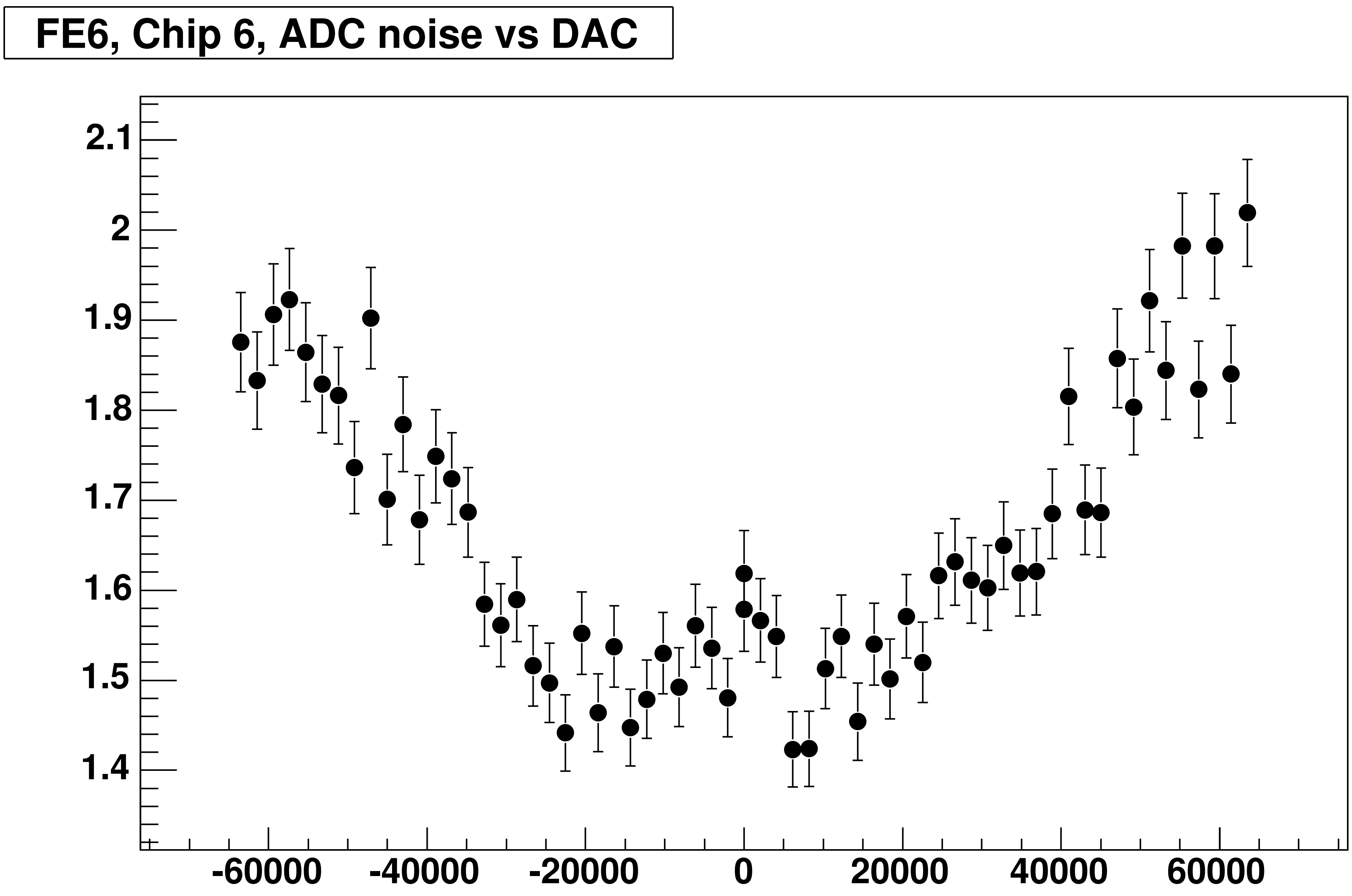

FE6, Chip 5, ADC mean vs DAC
χ^2 / ndf 4.118e+04 / 62
p0 -42.59 ± 0.008561
p1 0.2351 ± 2.5e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE6, 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

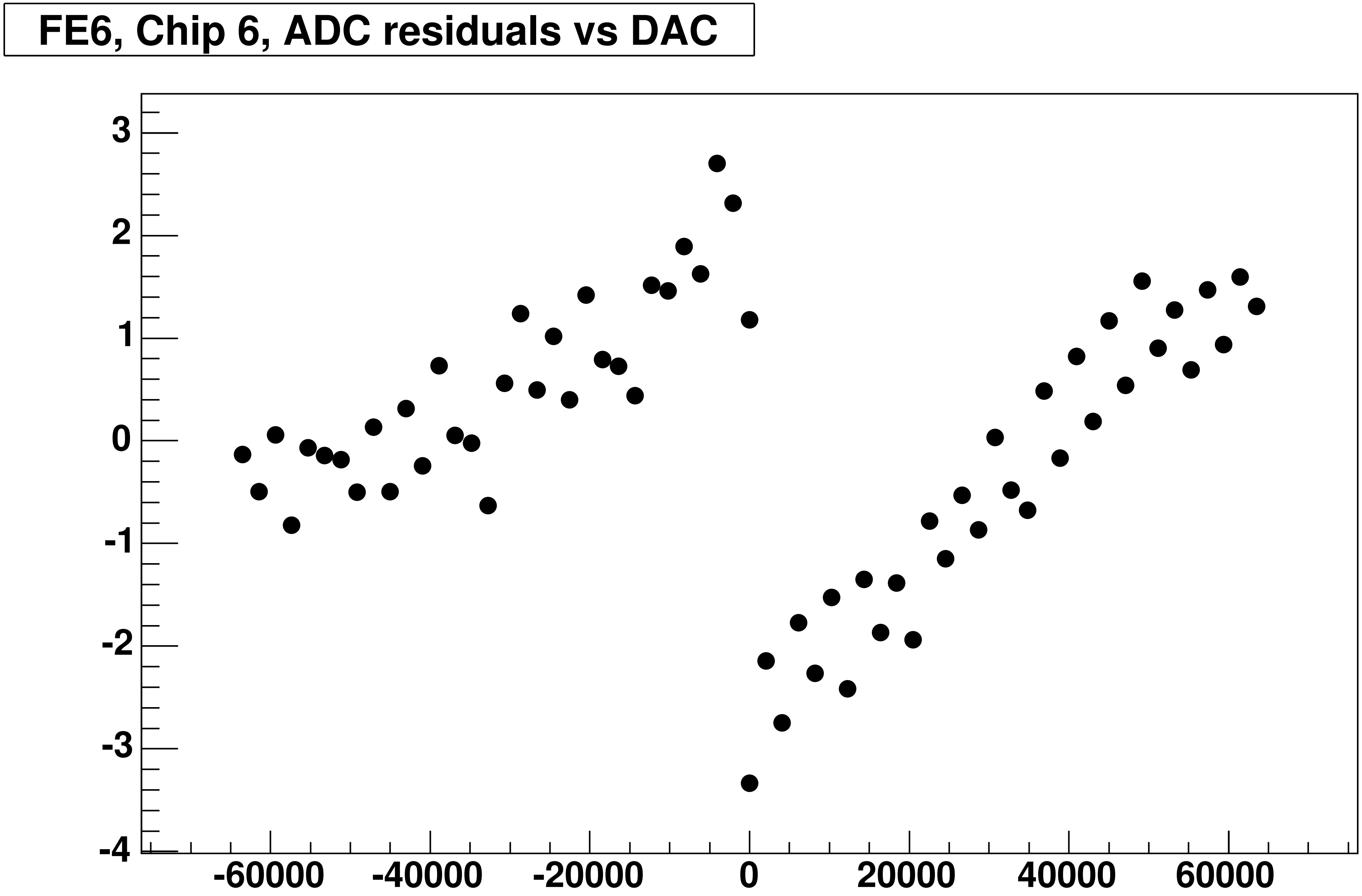

FE6, Chip 5, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

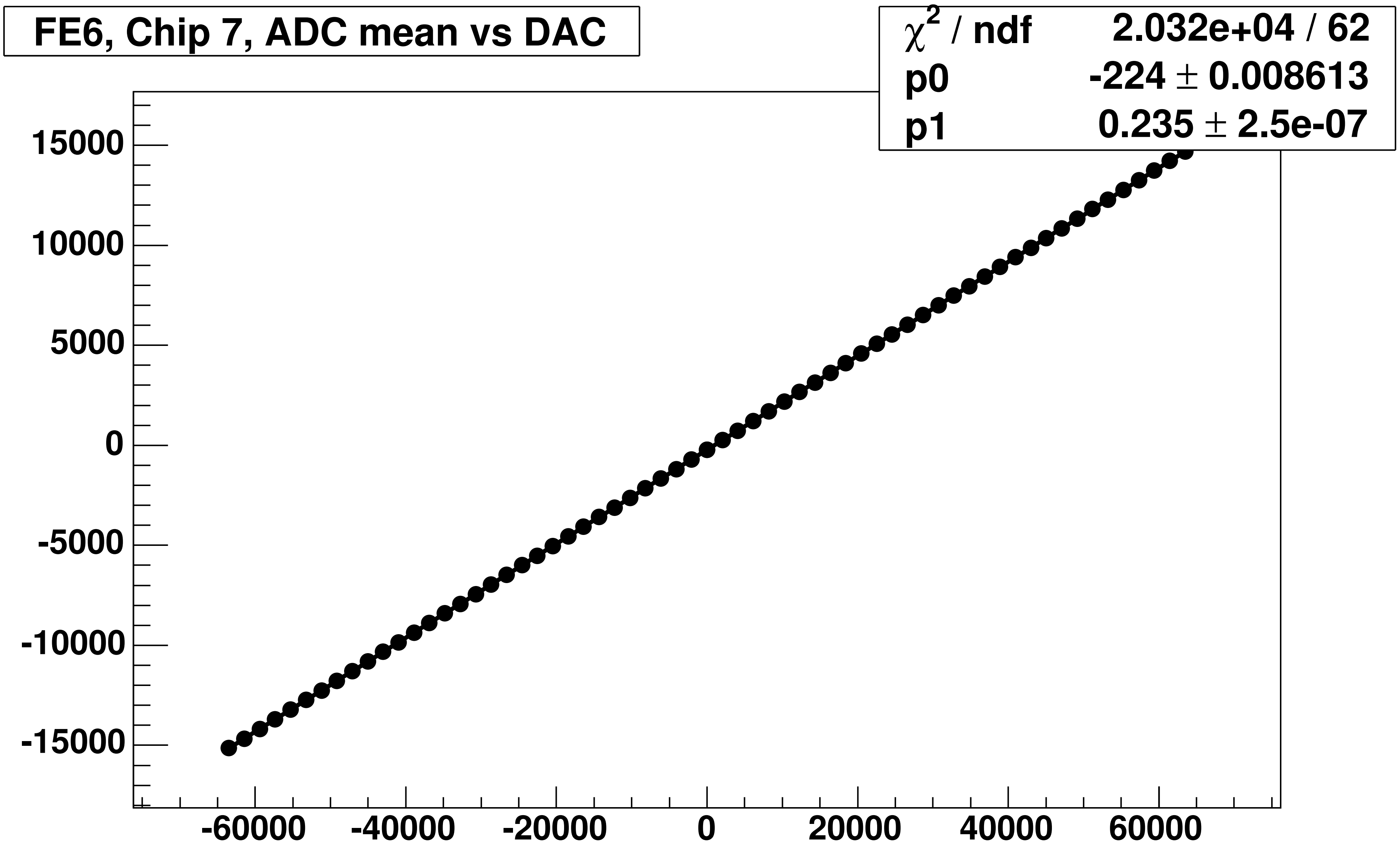


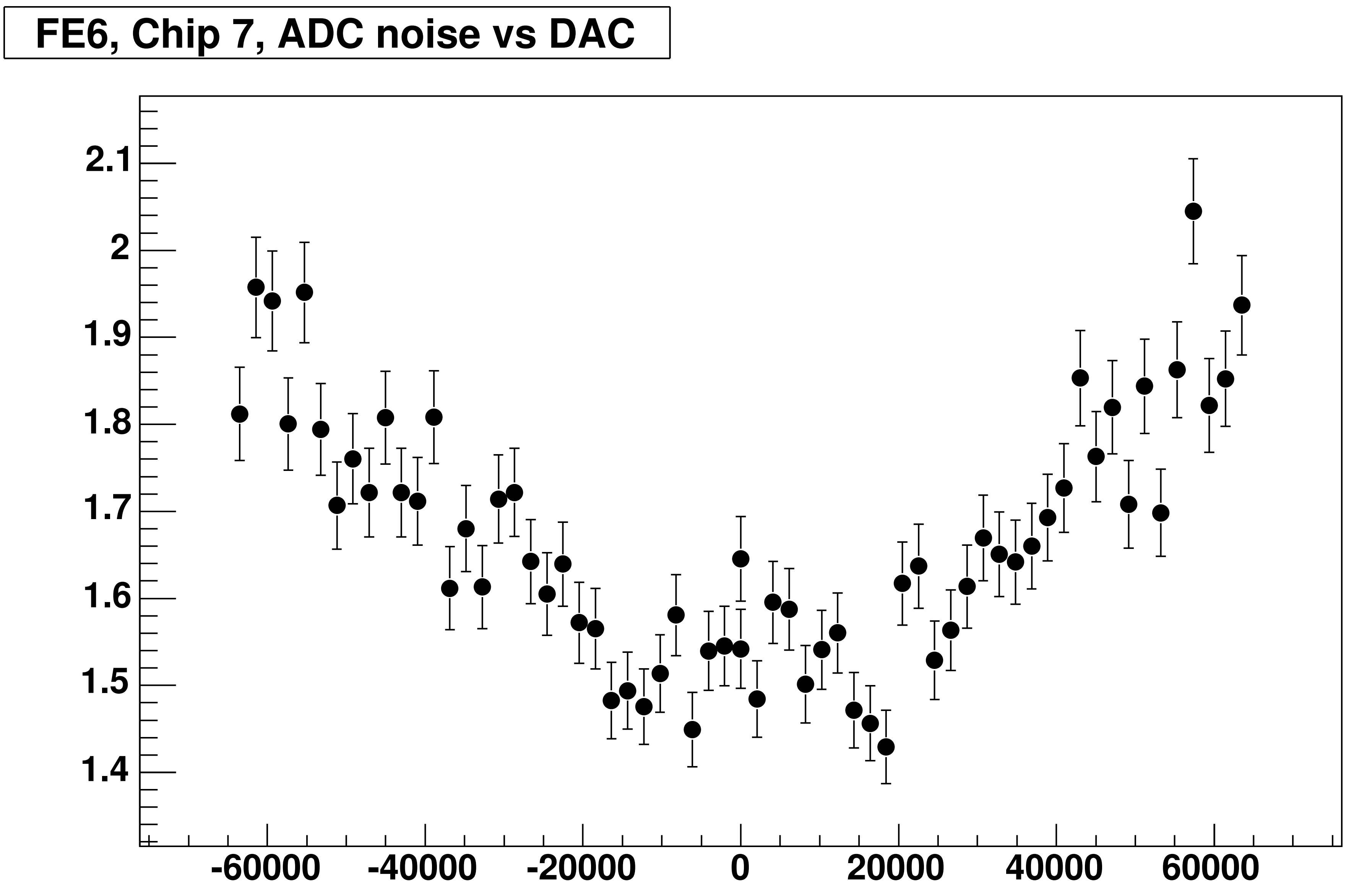
FE6, Chip 6, ADC mean vs DAC
χ2 / ndf 2.409e+04 / 62
p0 20.78 ± 0.008544
p1 0.2349 ± 2.509e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

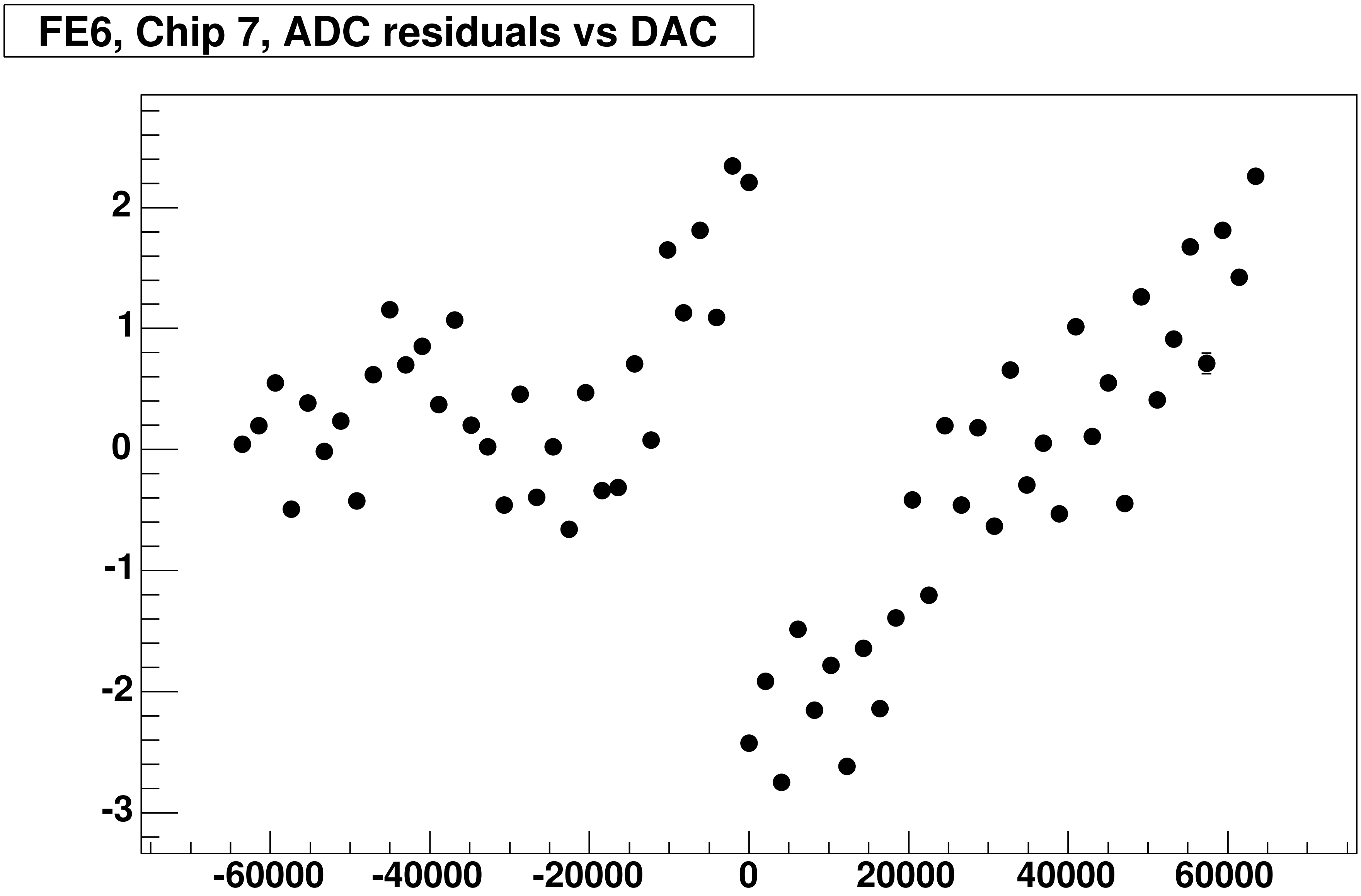


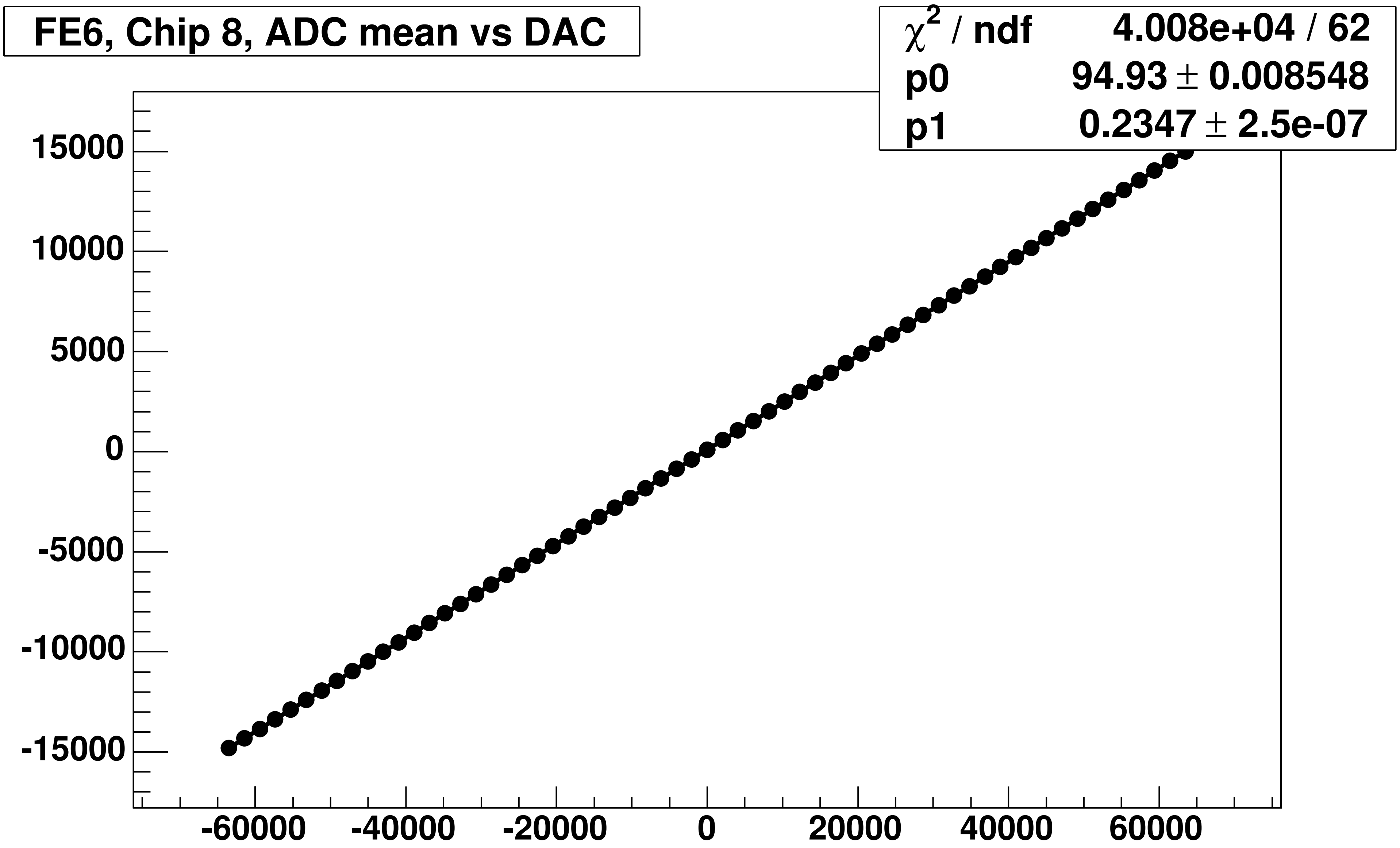
FE6, Chip 6, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

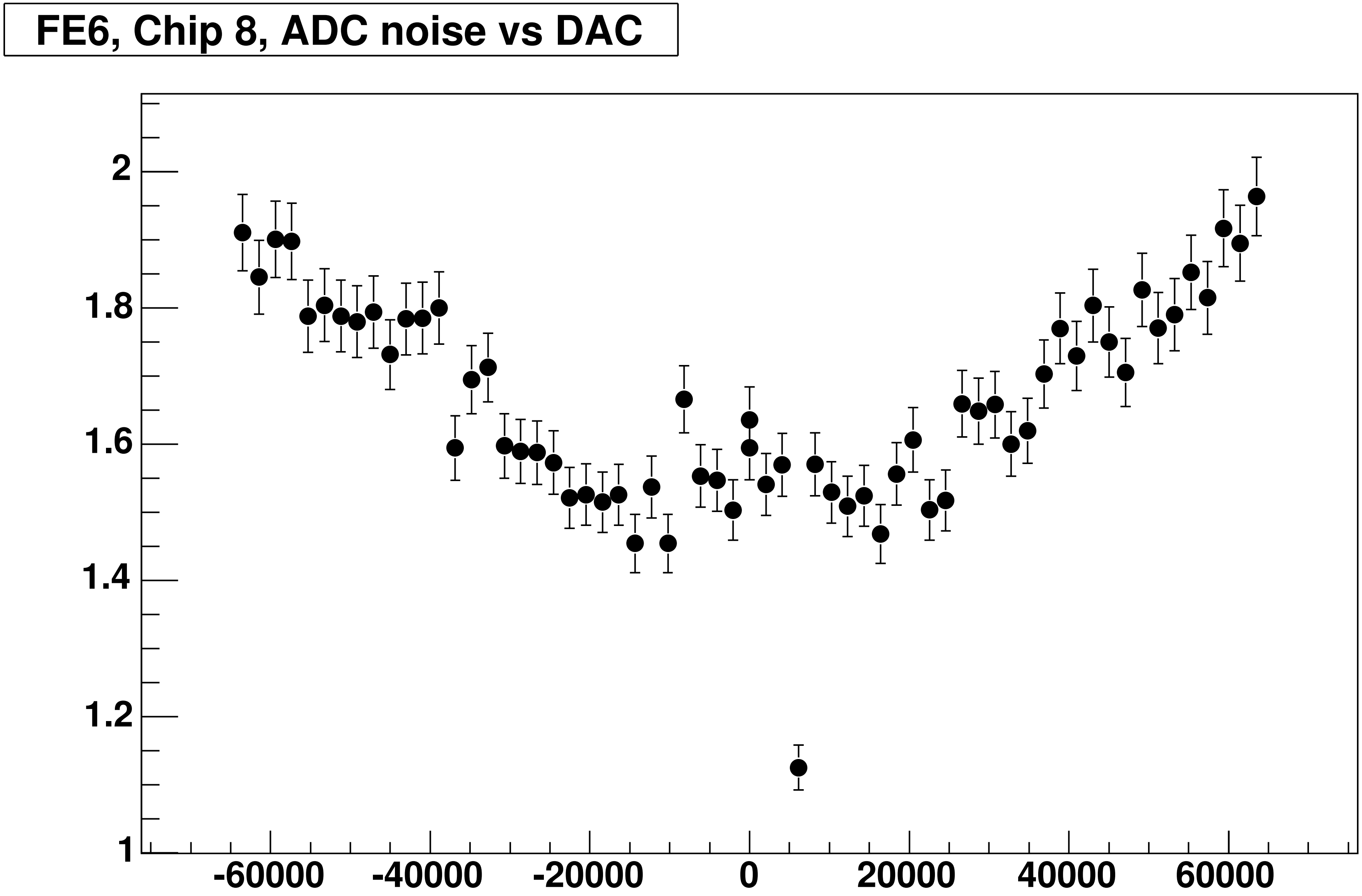

FE6, Chip 6, ADC residuals vs DAC
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

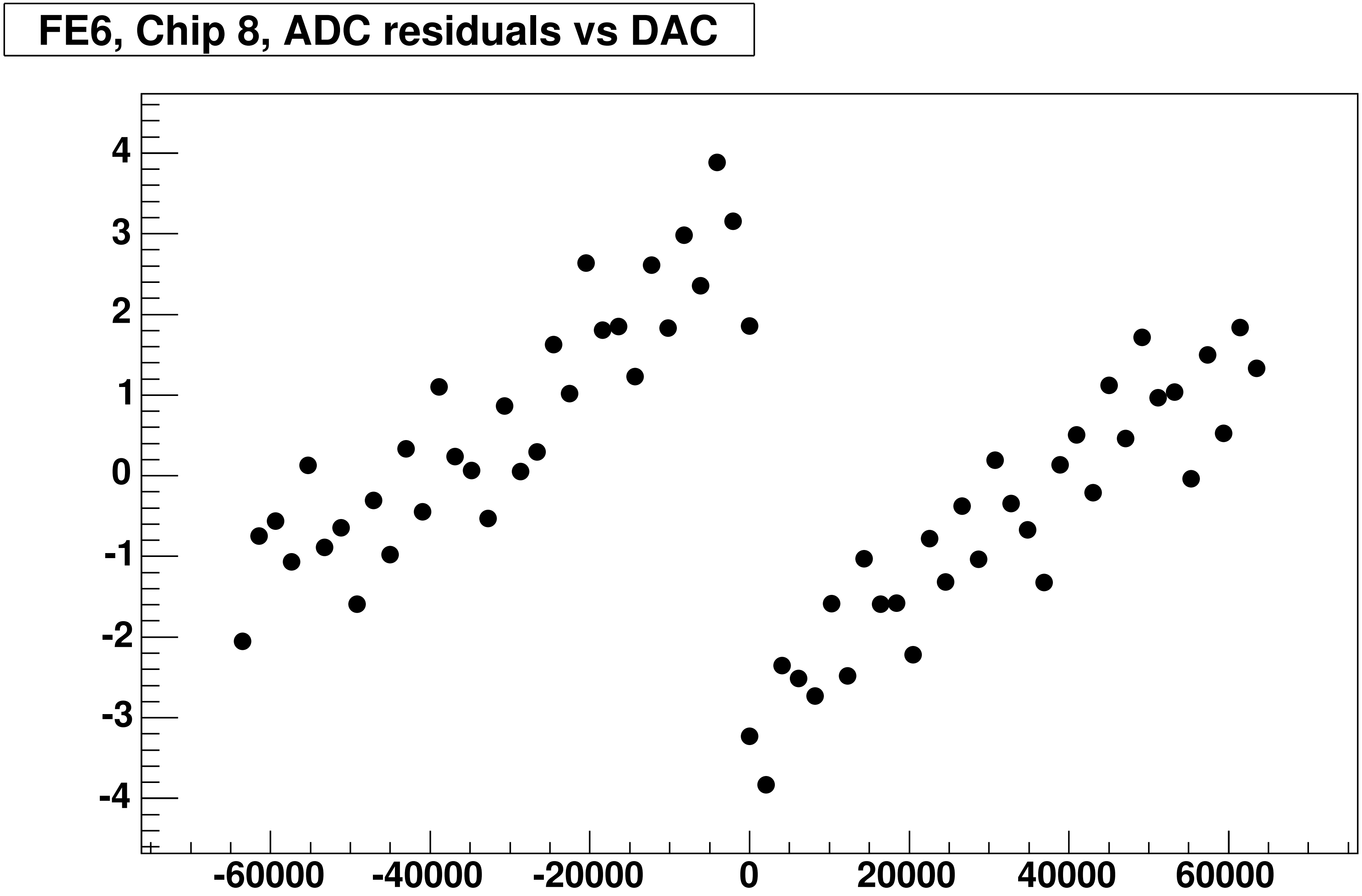

FE6, Chip 7, ADC mean vs DAC
χ^2 / ndf 2.032e+04 / 62
p0 -224 ± 0.008613
p1 0.235 ± 2.5e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

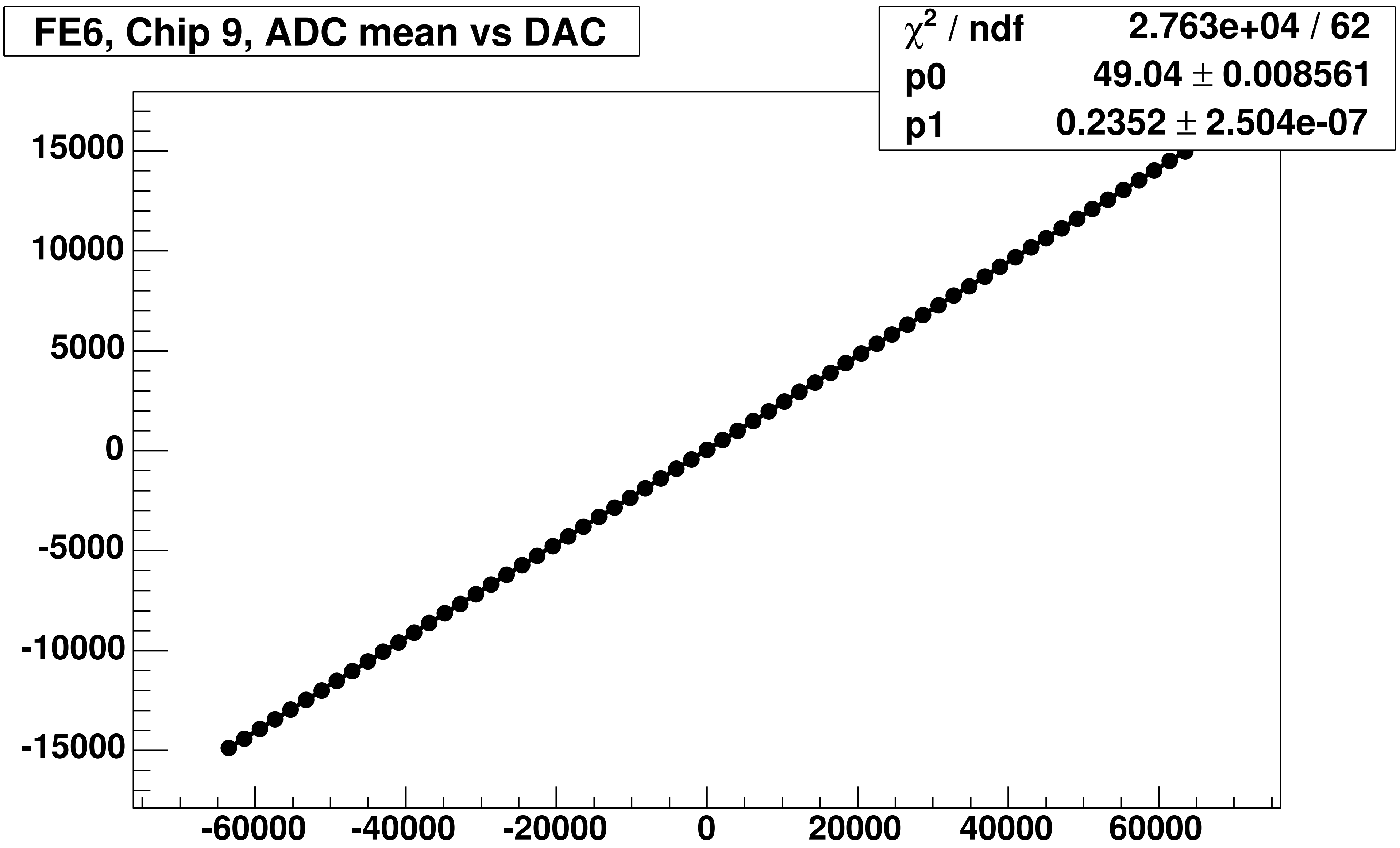

FE6, Chip 7, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

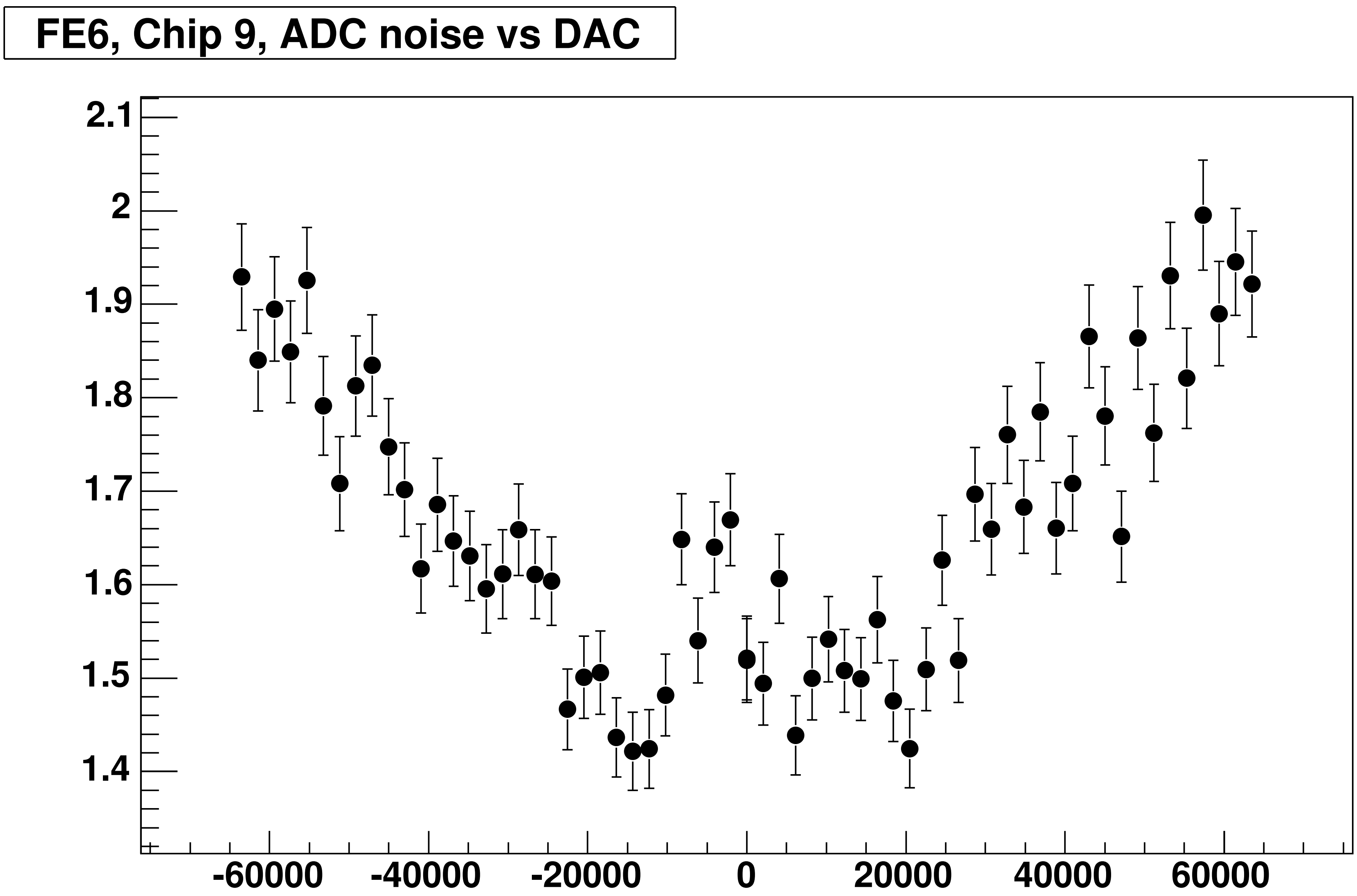

FE6, Chip 7, ADC residuals vs DAC
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000

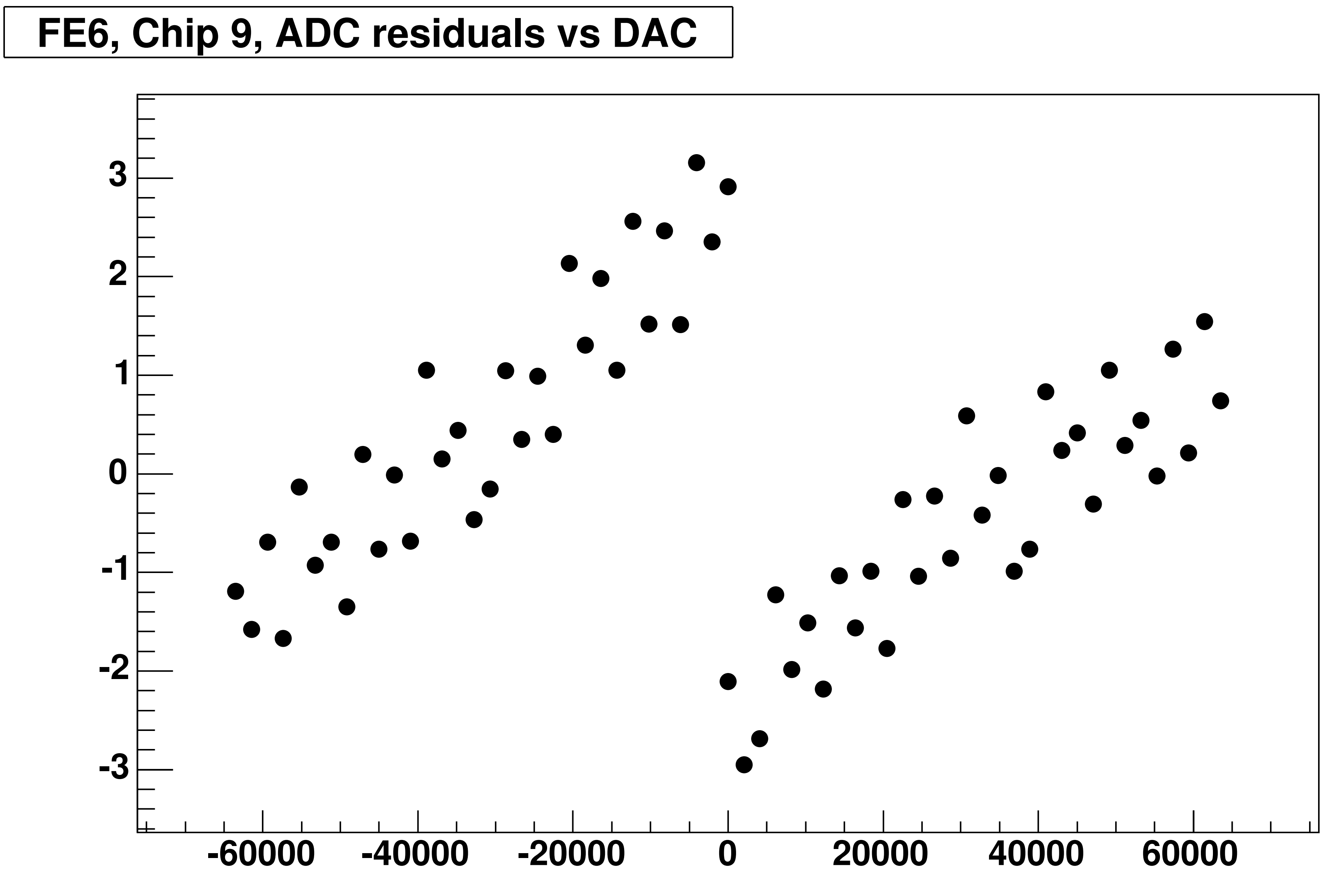

FE6, Chip 8, ADC mean vs DAC
χ^2 / ndf 4.008e+04 / 62
p0 94.93 ± 0.008548
p1 0.2347 ± 2.5e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

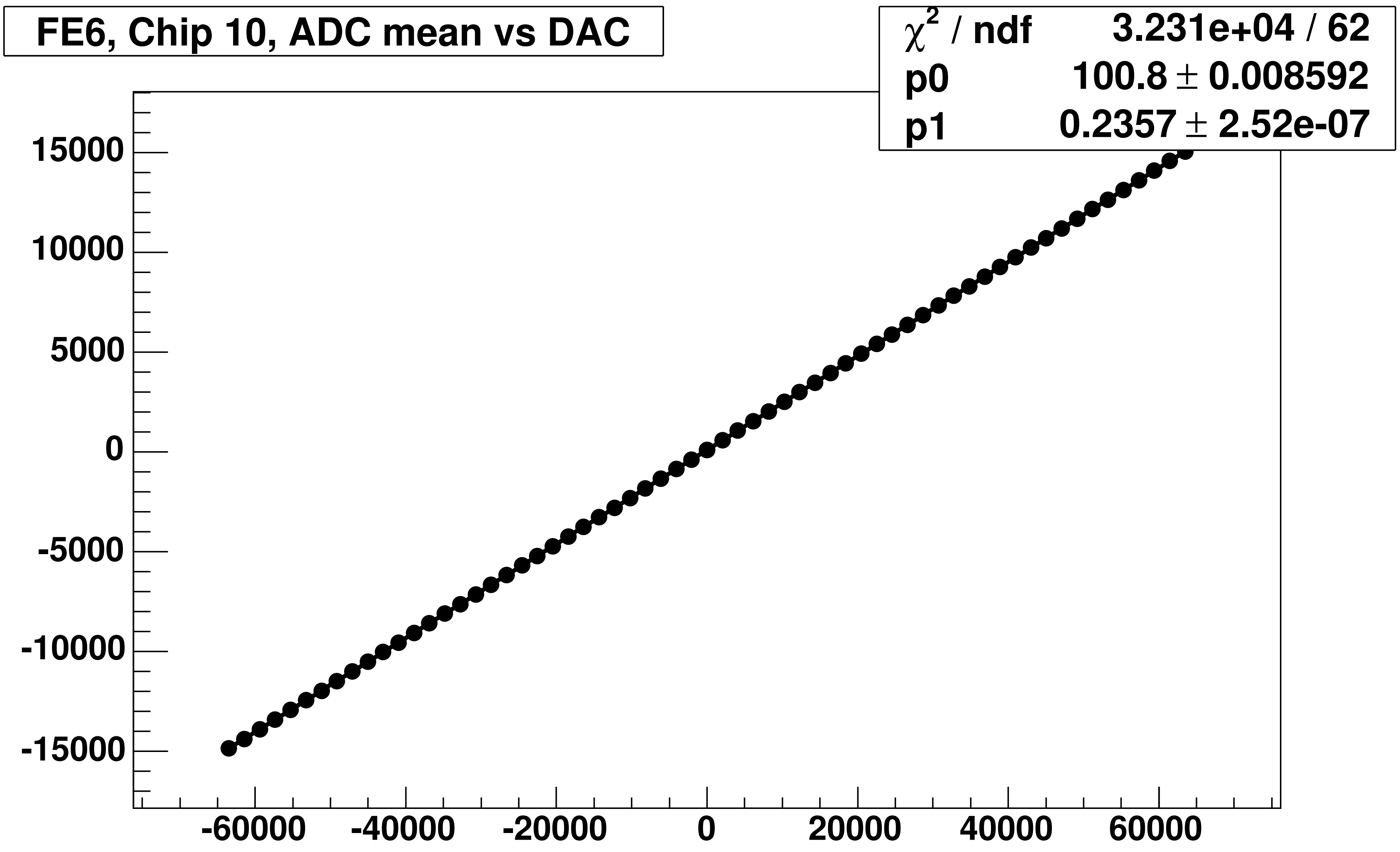

FE6, Chip 8, ADC noise vs DAC
2
1.8
1.6
1.4
1.2
1
-60000
-40000
-20000
0
20000
40000
60000

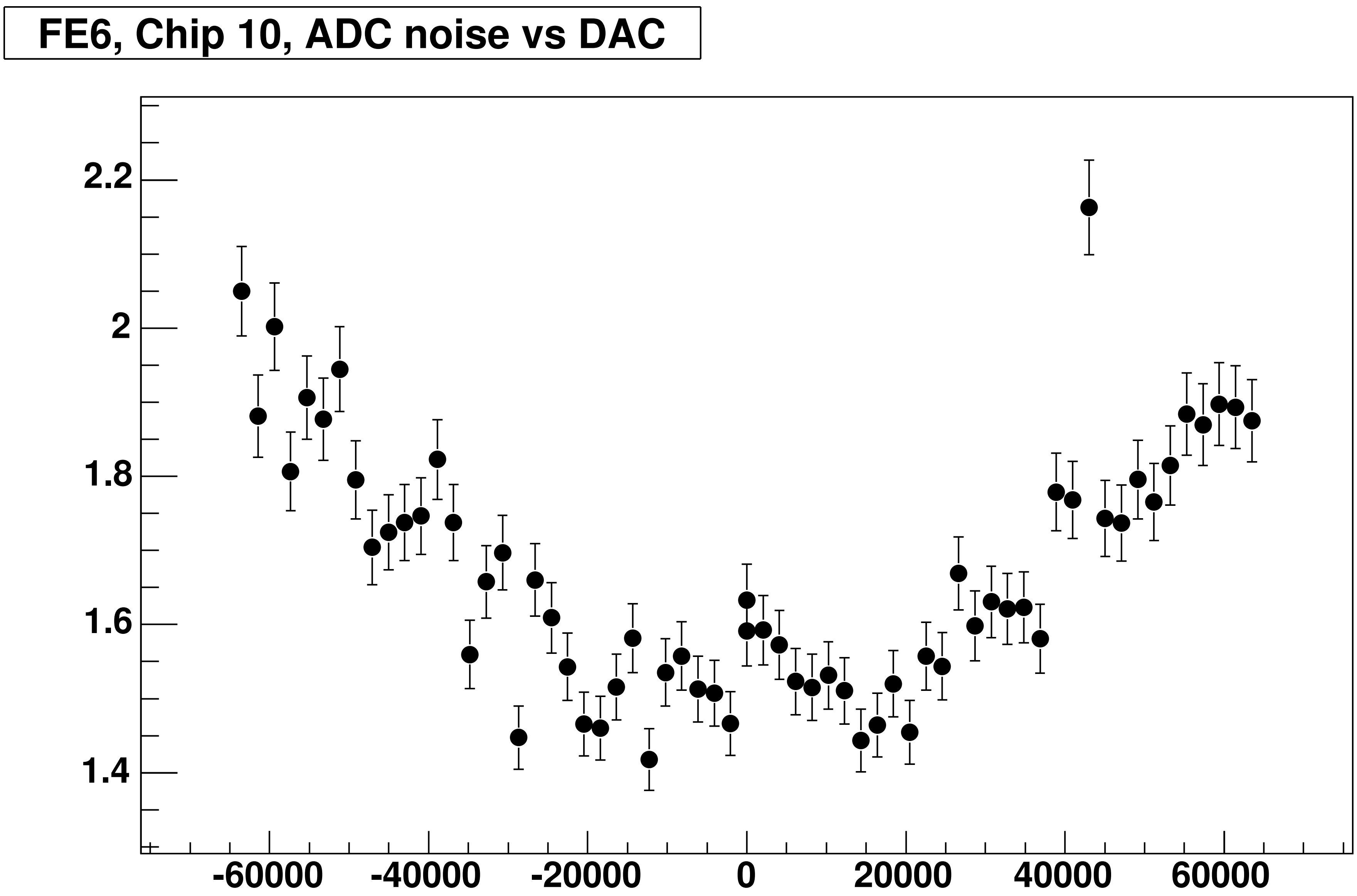

FE6, Chip 8, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000


FE6, Chip 9, ADC mean vs DAC
χ2 / ndf 2.763e+04 / 62
p0 49.04 ± 0.008561
p1 0.2352 ± 2.504e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

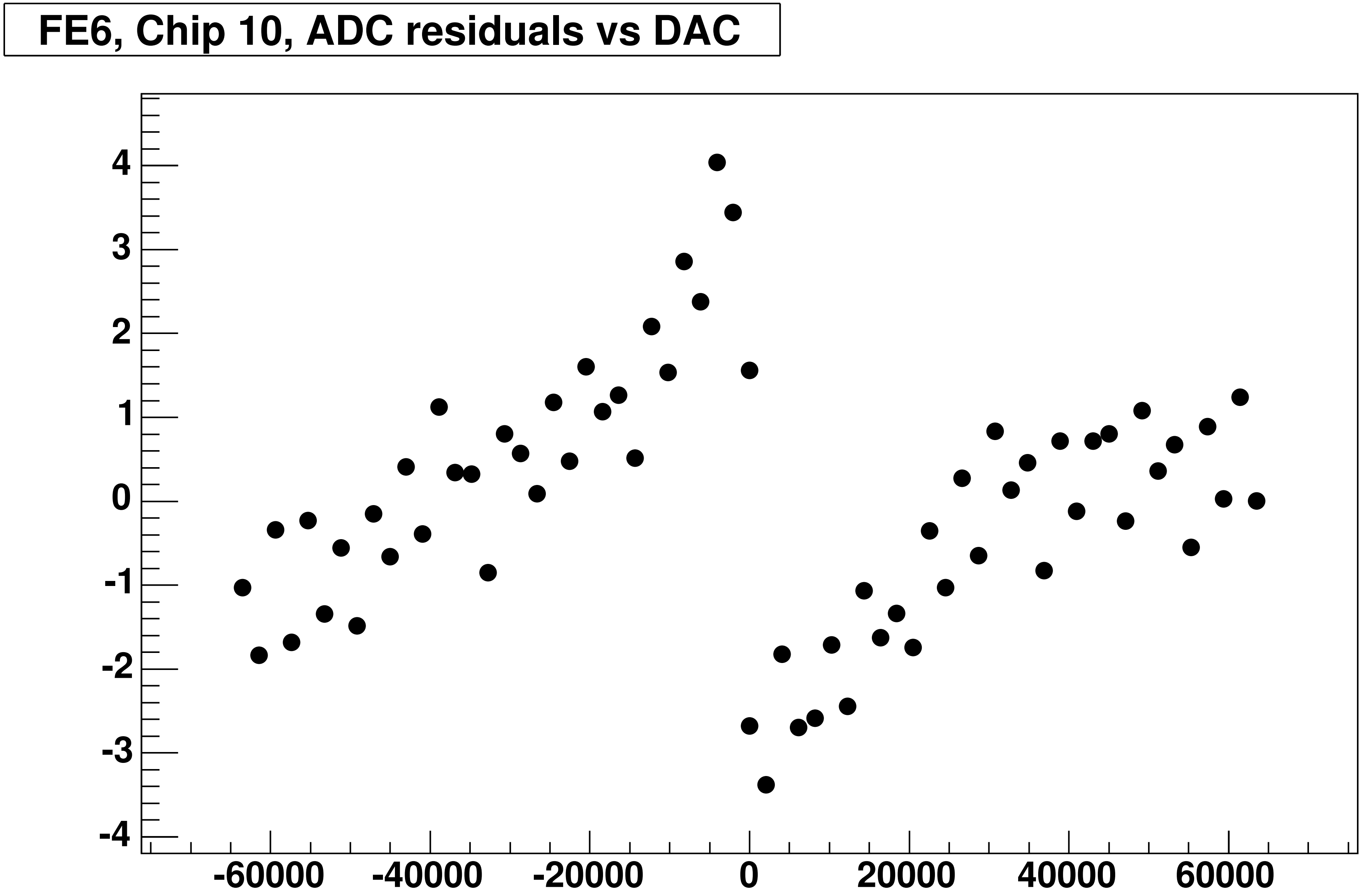

FE6, Chip 9, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

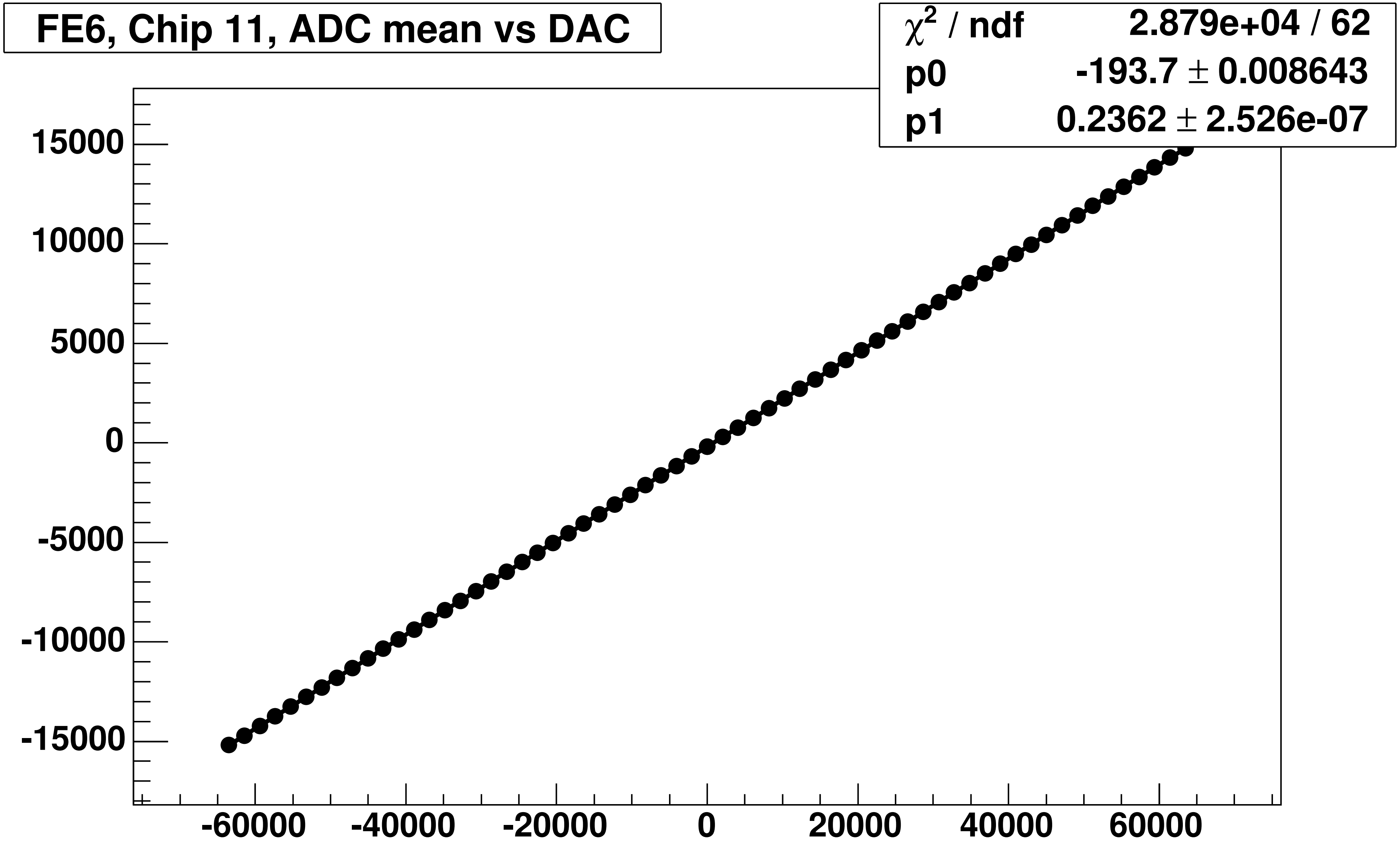

FE6, Chip 9, ADC residuals vs DAC
3
2
1
0
-1
-2
-3
-60000
-40000
-20000
0
20000
40000
60000

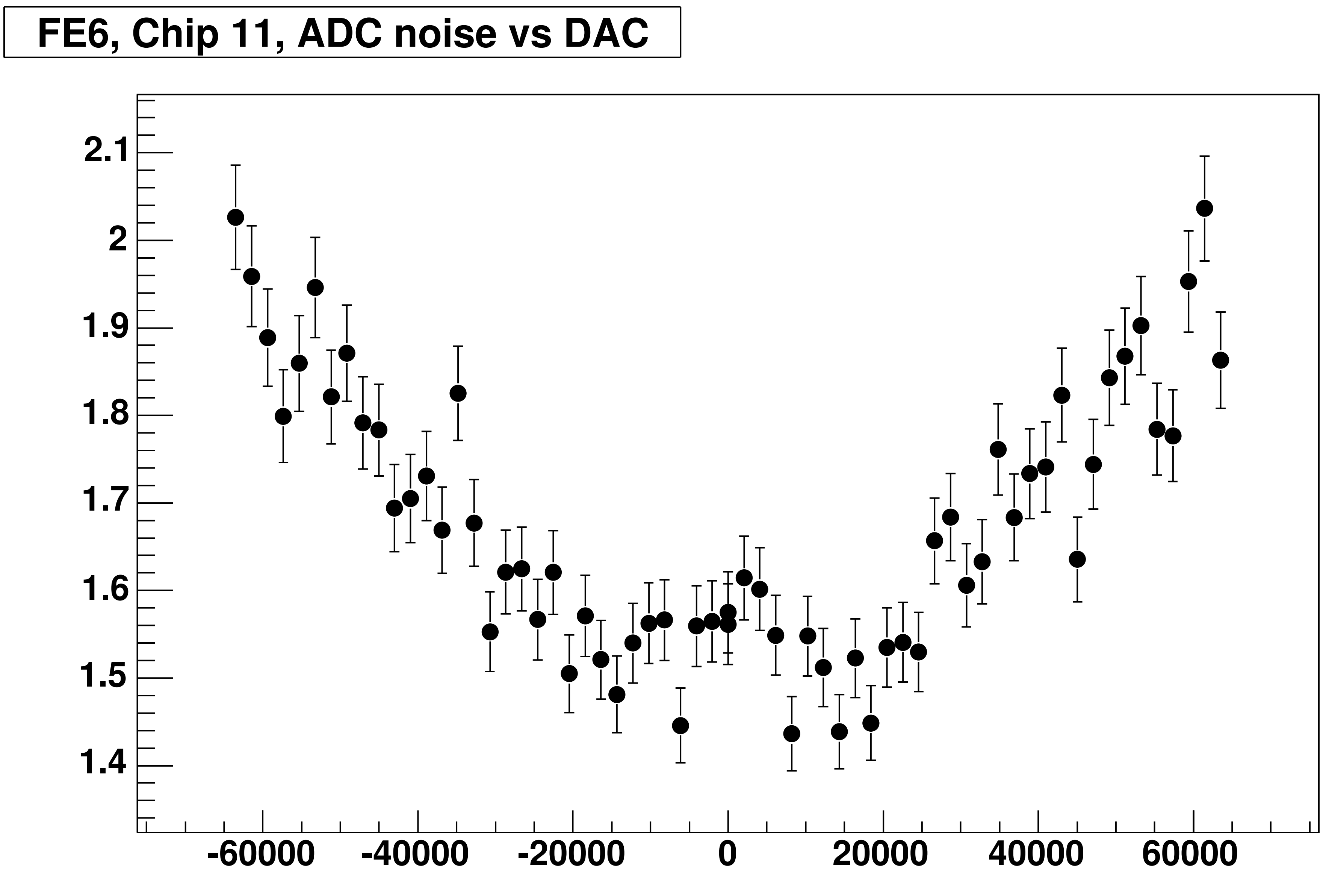

FE6, Chip 10, ADC mean vs DAC
χ^2 / ndf 3.231e+04 / 62
p0 100.8 ± 0.008592
p1 0.2357 ± 2.52e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

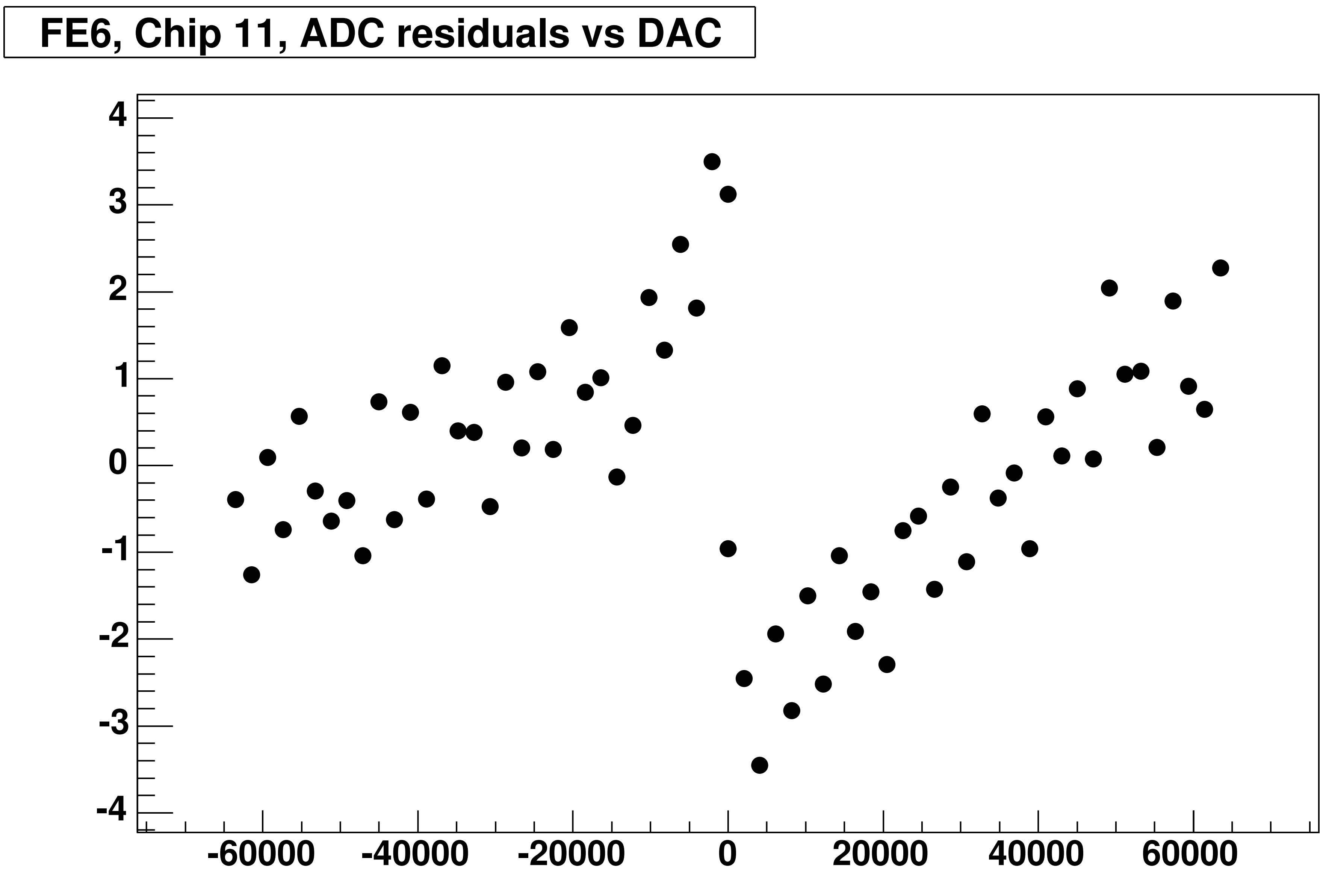


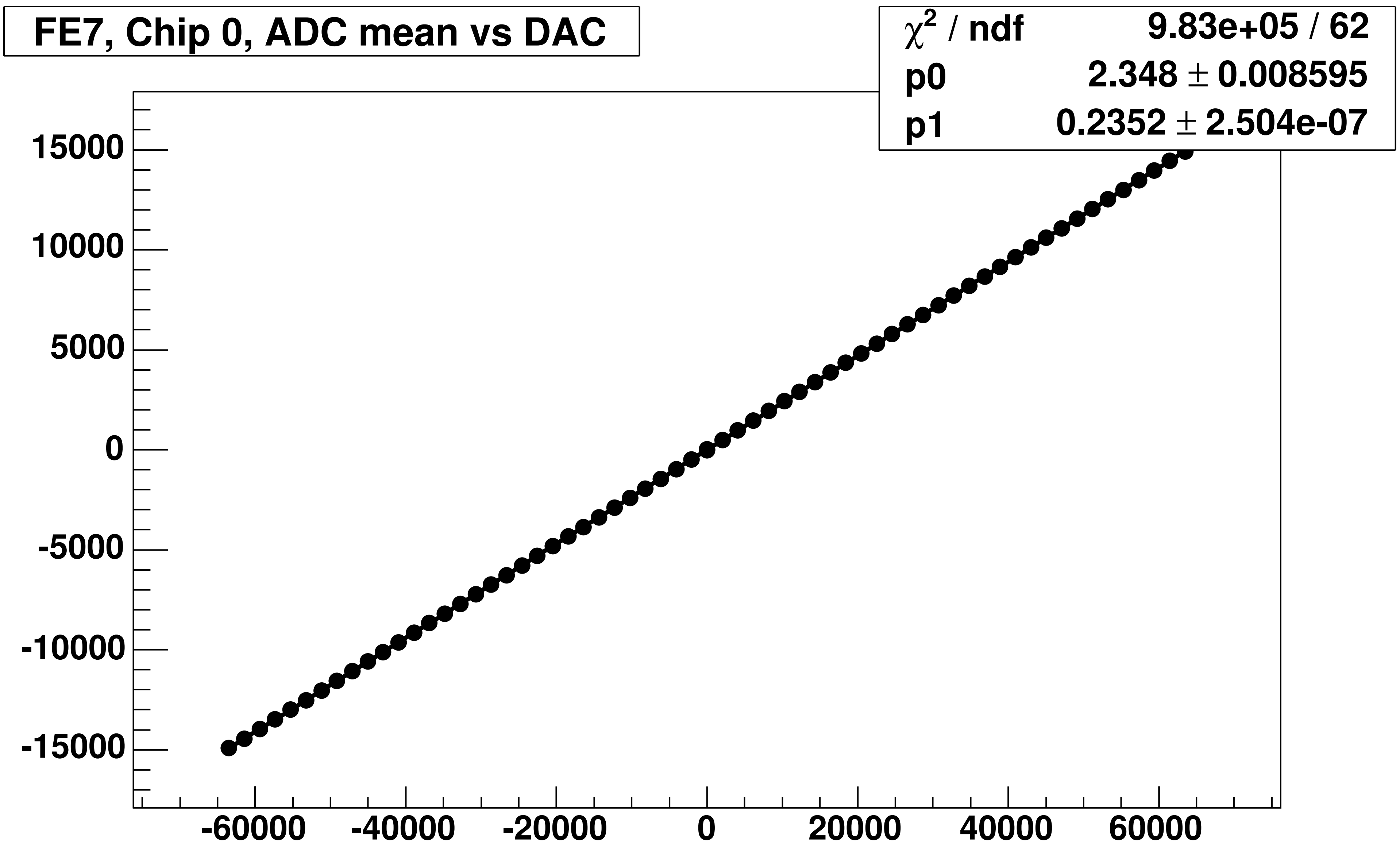
FE6, Chip 10, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

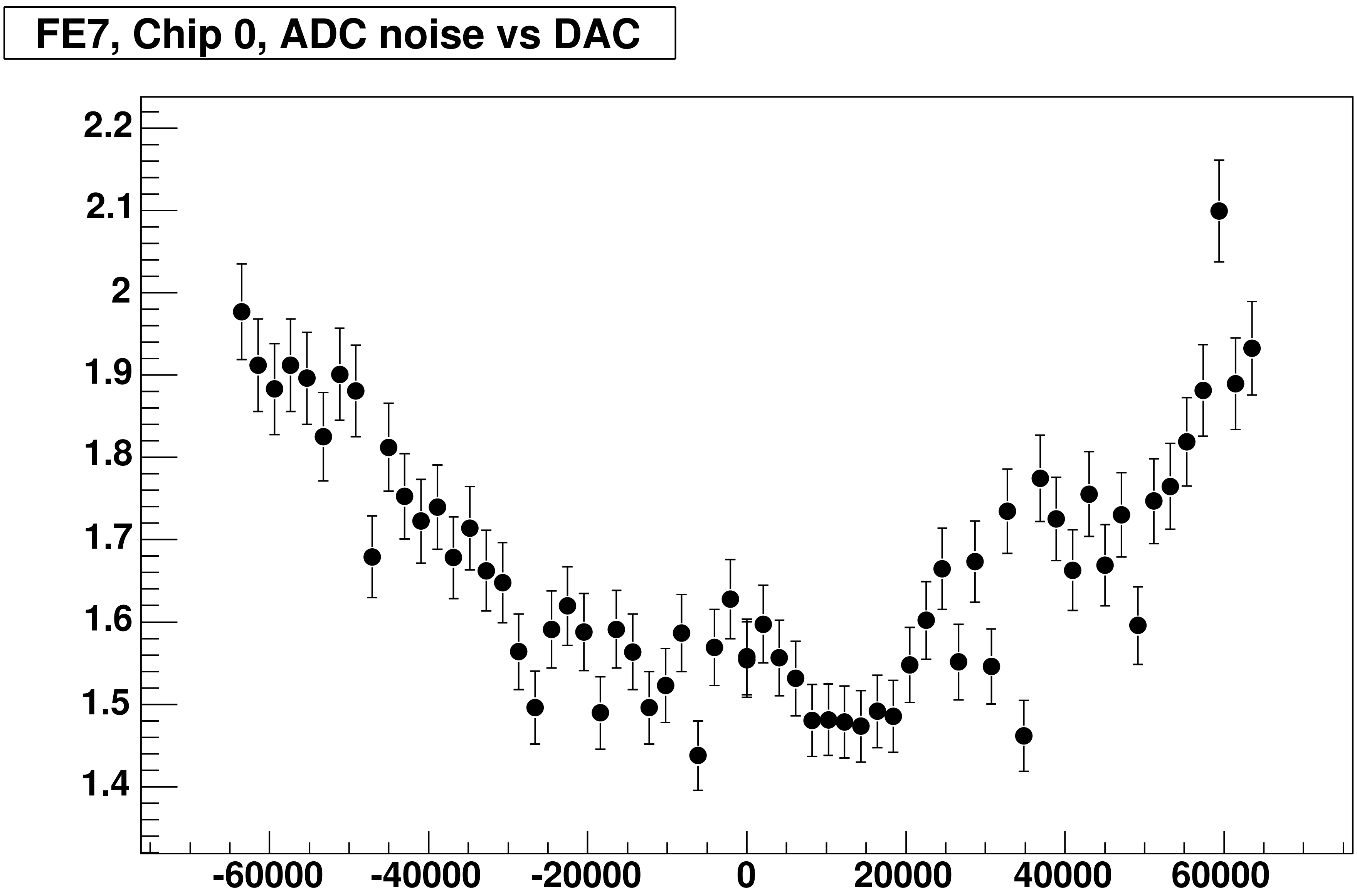

FE6, Chip 10, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

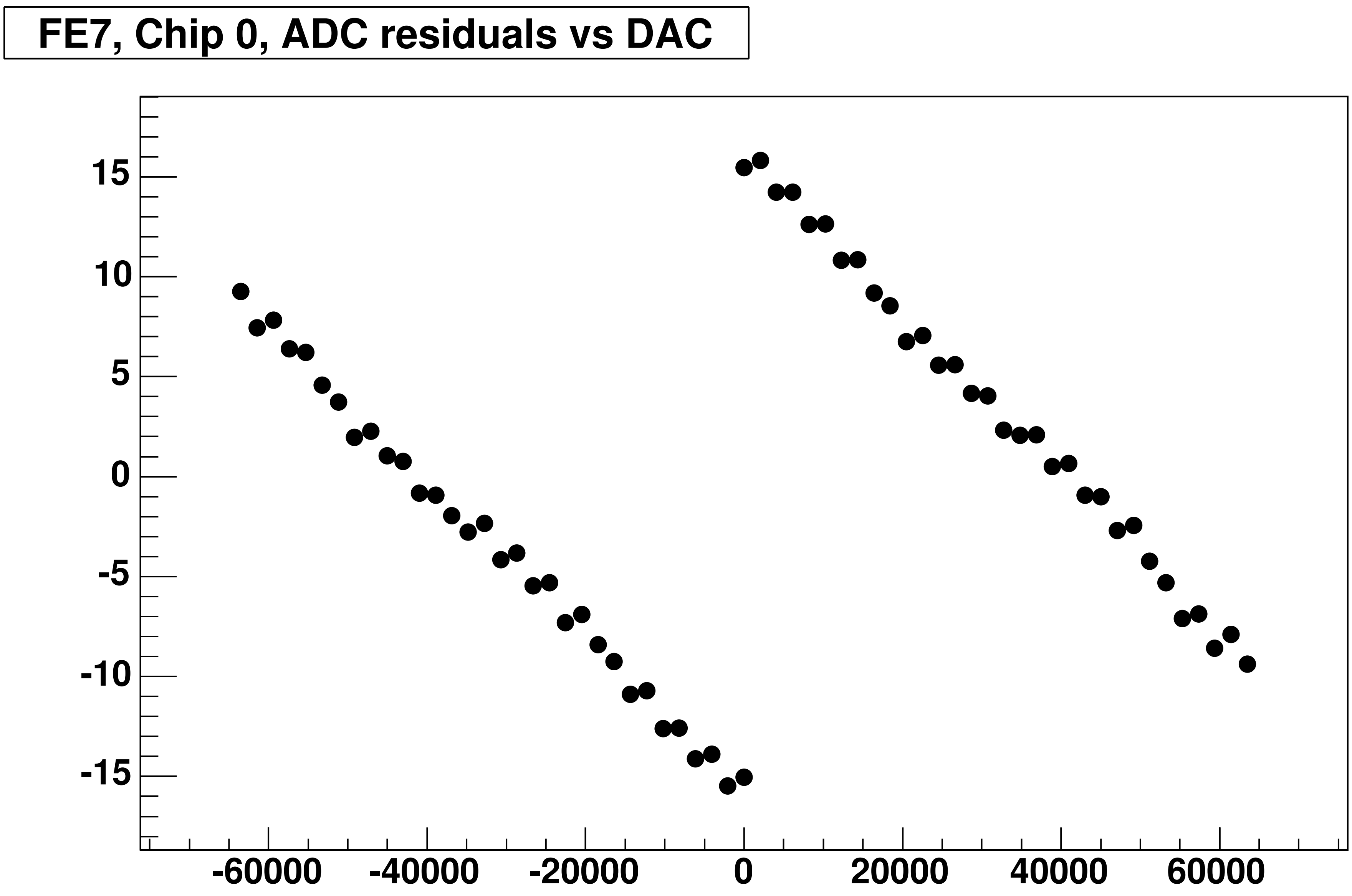

FE6, Chip 11, ADC mean vs DAC
χ^2 / ndf 2.879e+04 / 62
p0 -193.7 ± 0.008643
p1 0.2362 ± 2.526e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

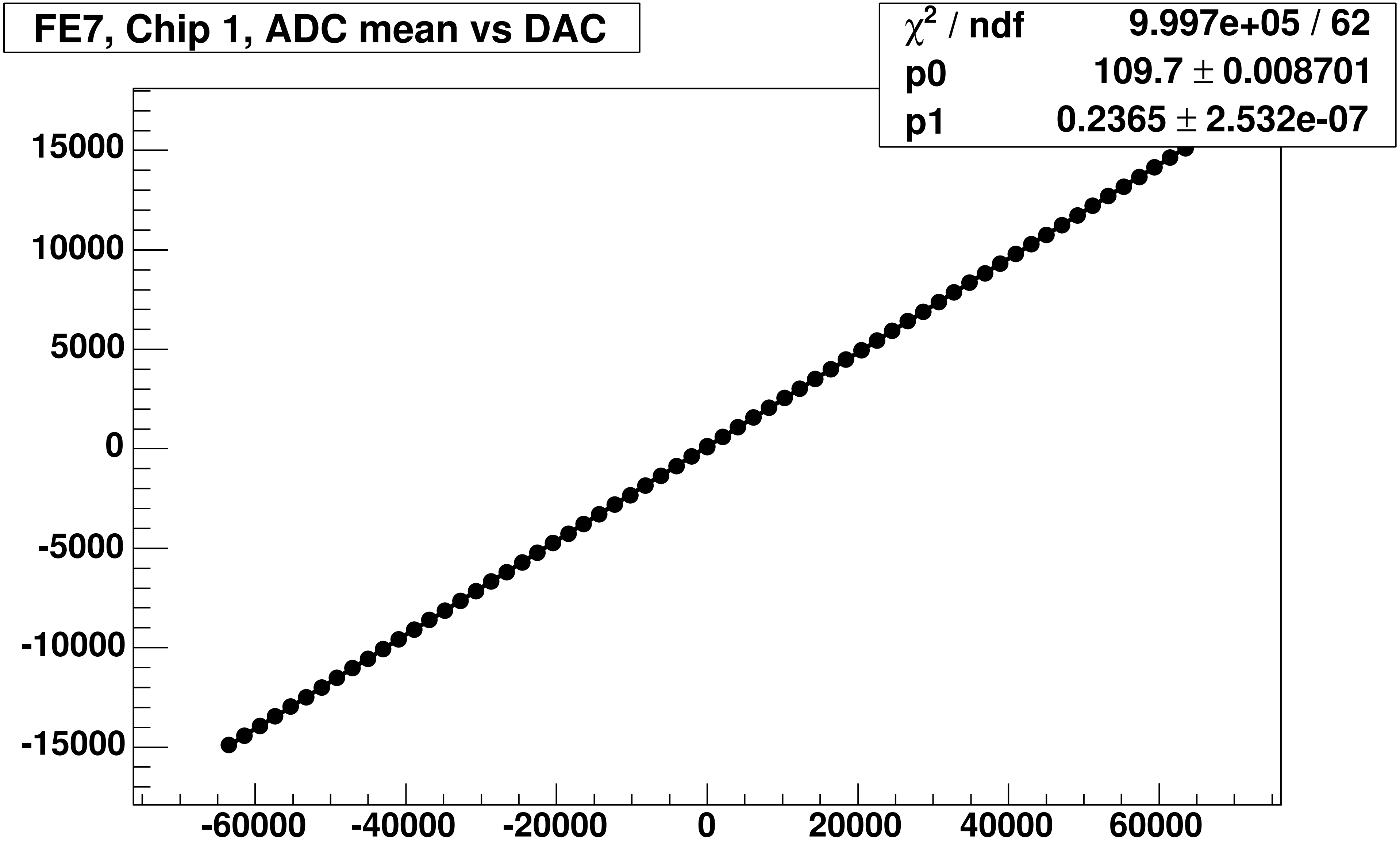

FE6, Chip 11, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

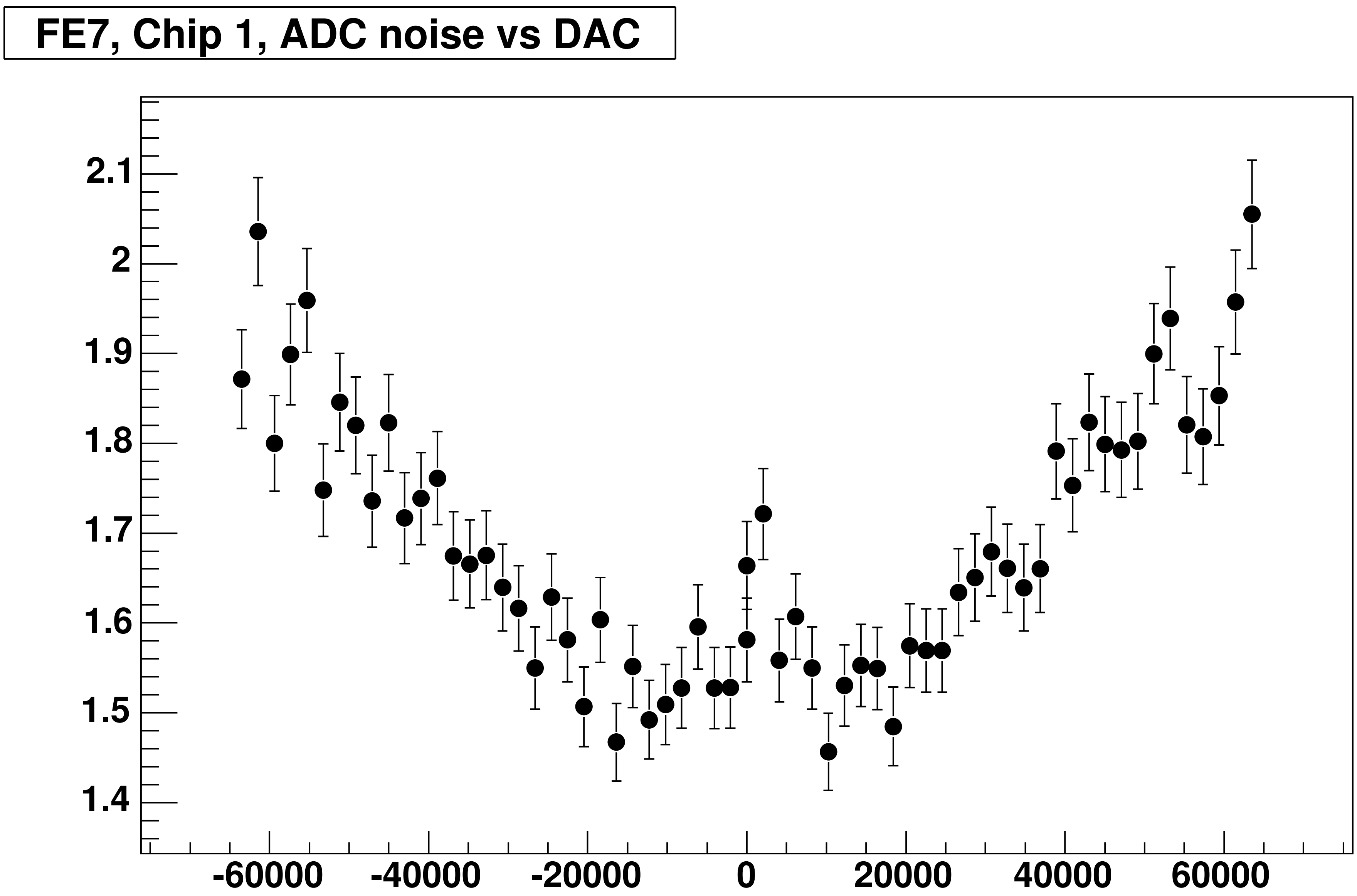

FE6, Chip 11, ADC residuals vs DAC
4
3
2
1
0
-1
-2
-3
-4
-60000
-40000
-20000
0
20000
40000
60000

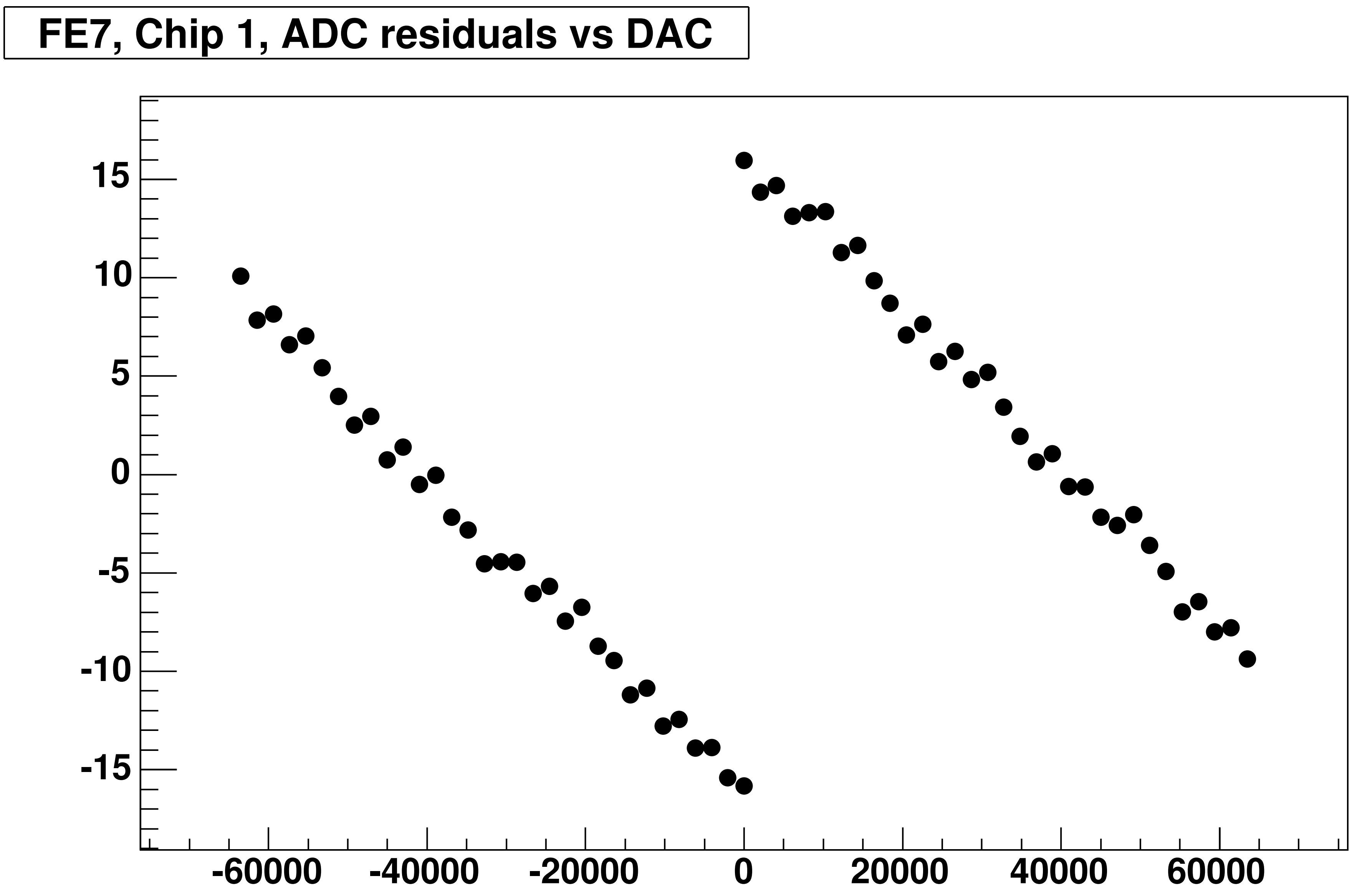

FE7, Chip 0, ADC mean vs DAC
χ^2 / ndf 9.83e+05 / 62
p0 2.348 ± 0.008595
p1 0.2352 ± 2.504e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

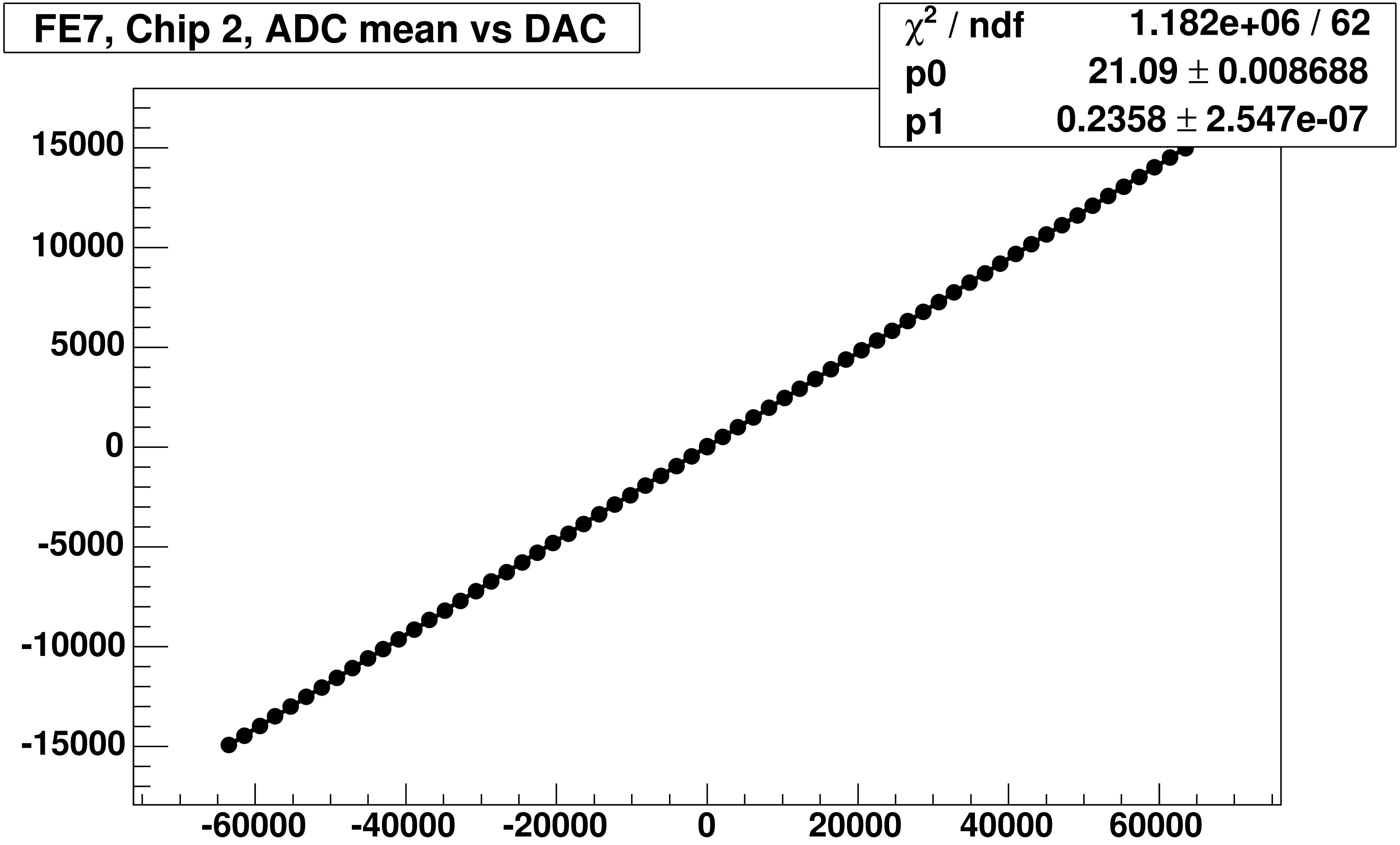

FE7, Chip 0, ADC noise vs DAC
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 0, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

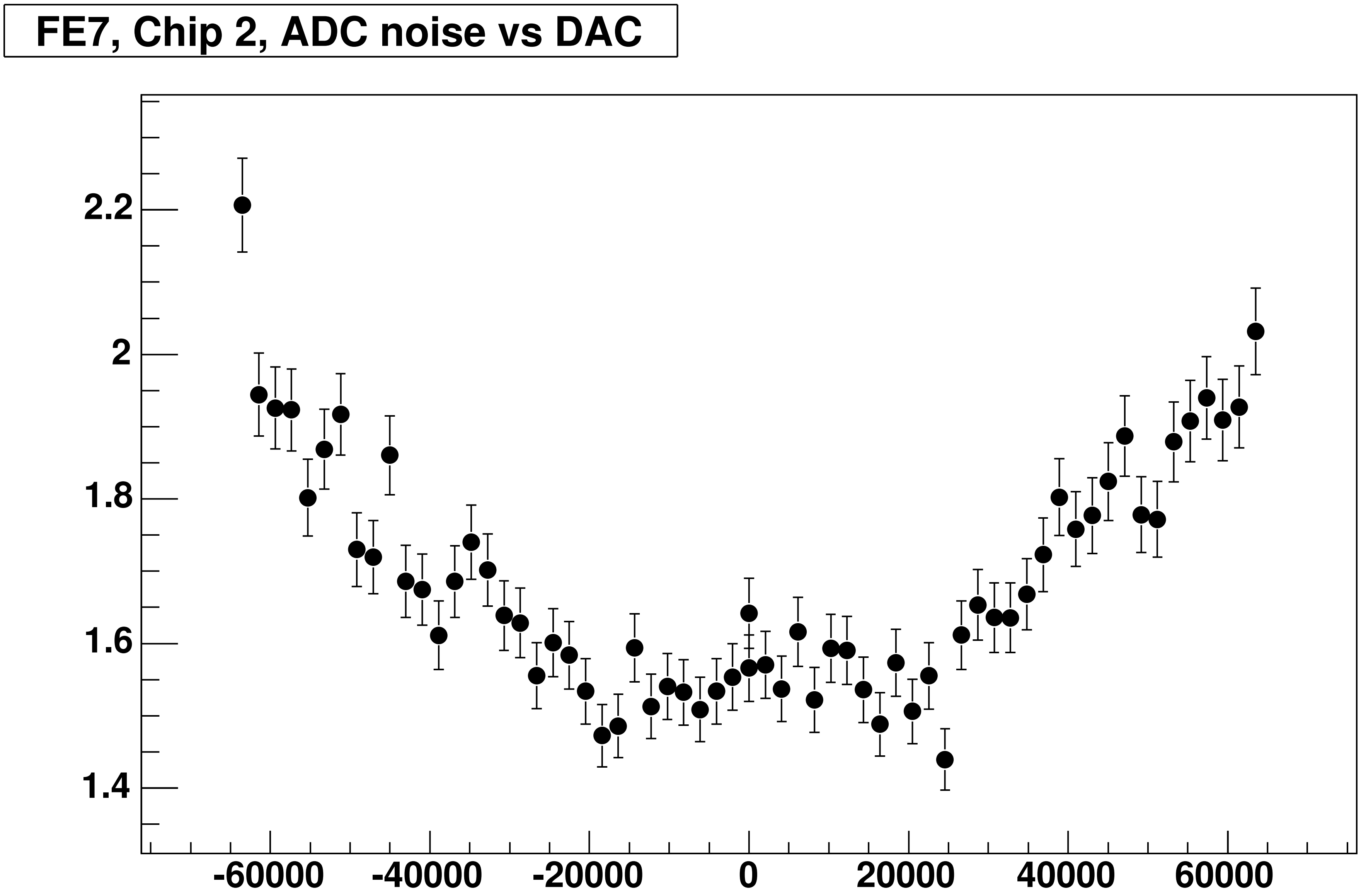

FE7, Chip 1, ADC mean vs DAC
χ^2 / ndf 9.997e+05 / 62
p0 109.7 ± 0.008701
p1 0.2365 ± 2.532e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

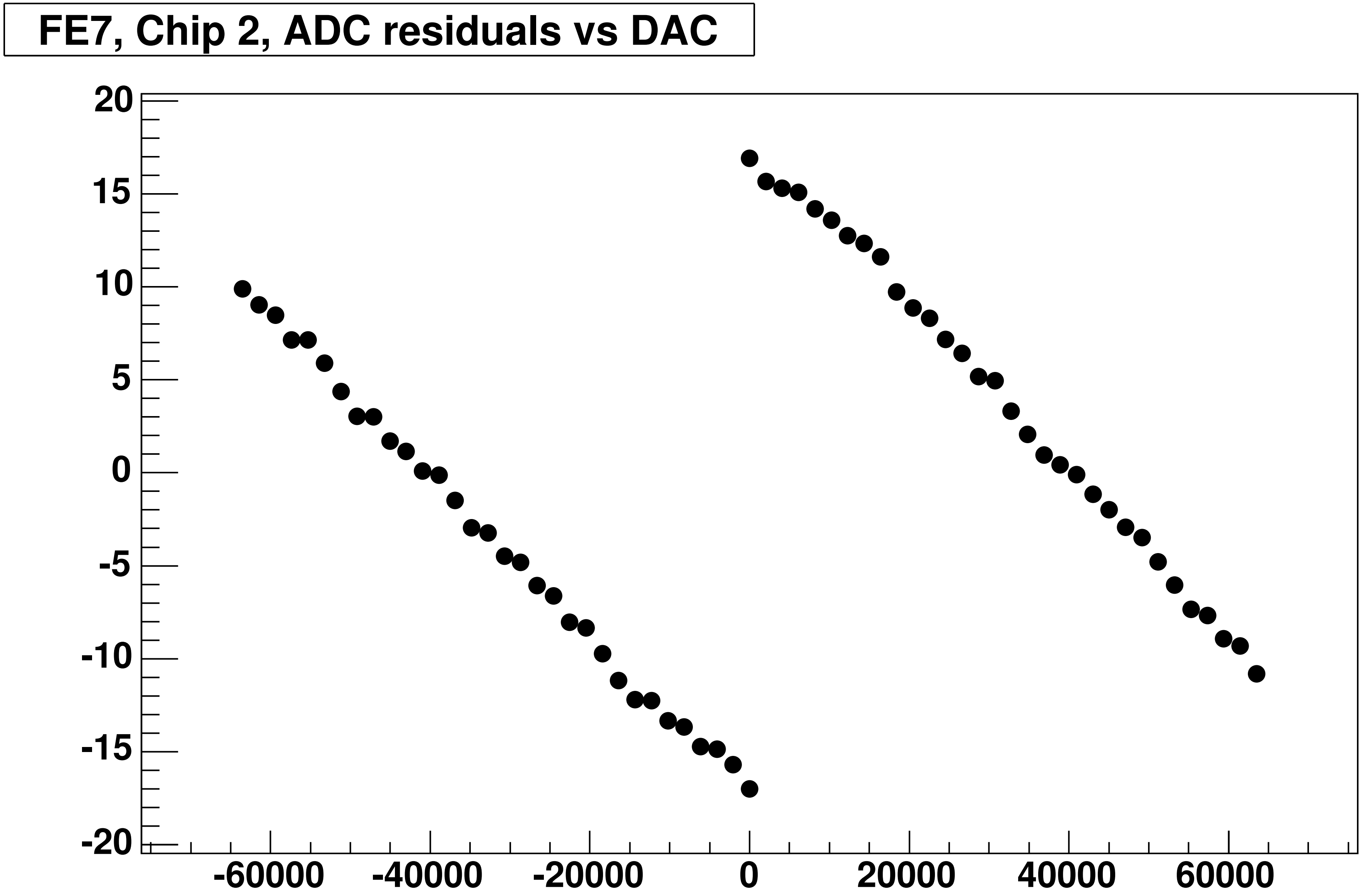

FE7, Chip 1, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

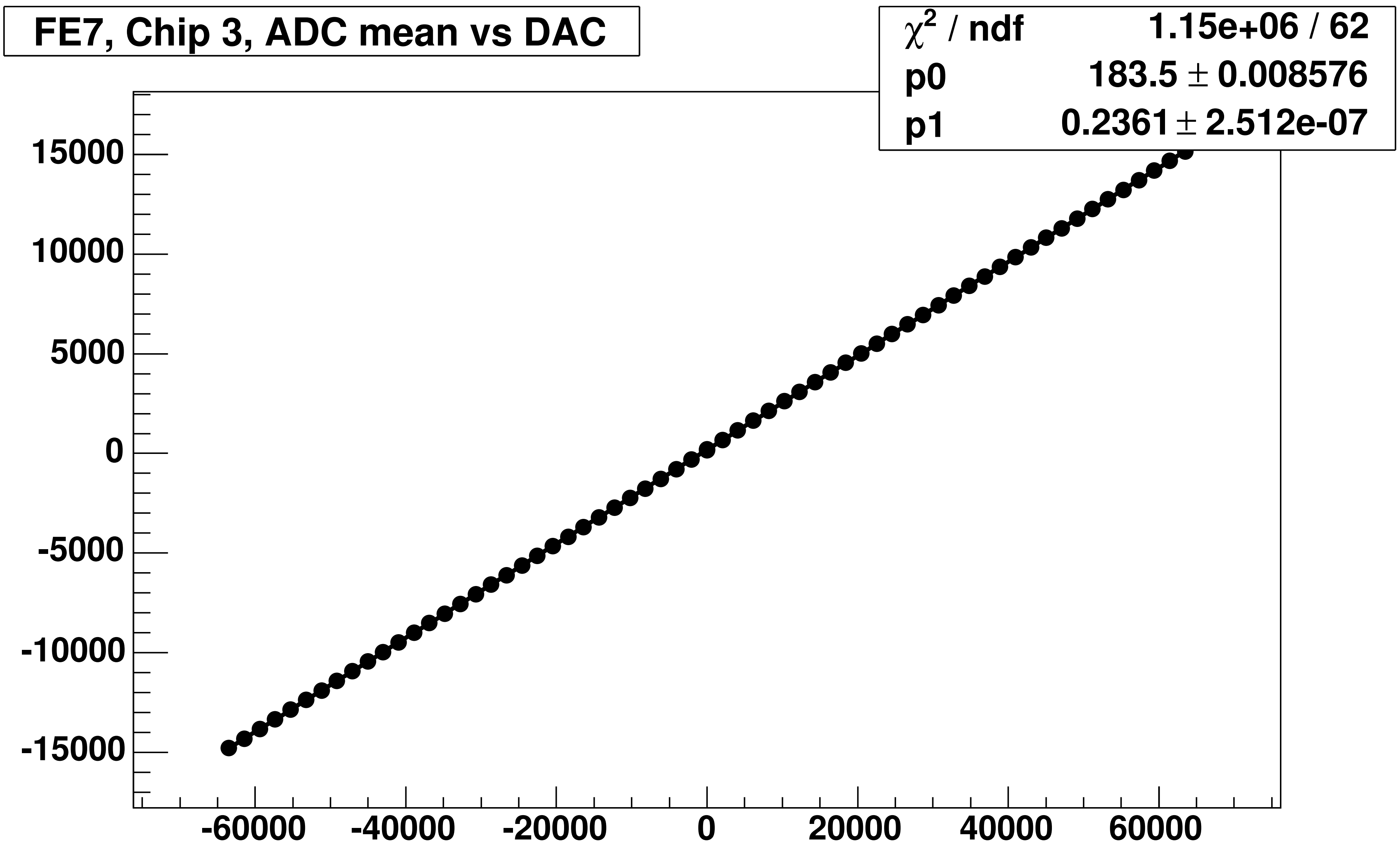

FE7, Chip 1, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

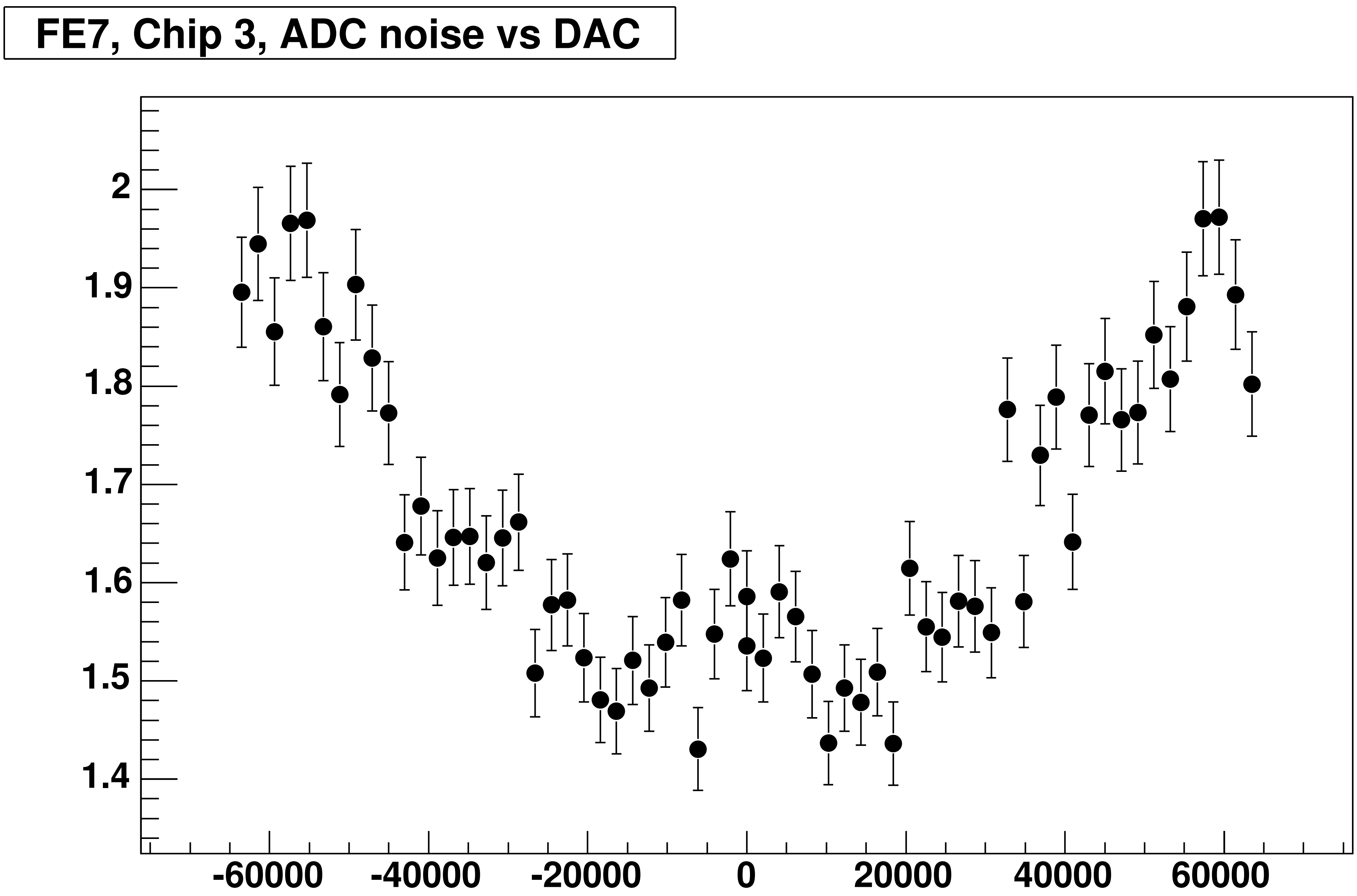


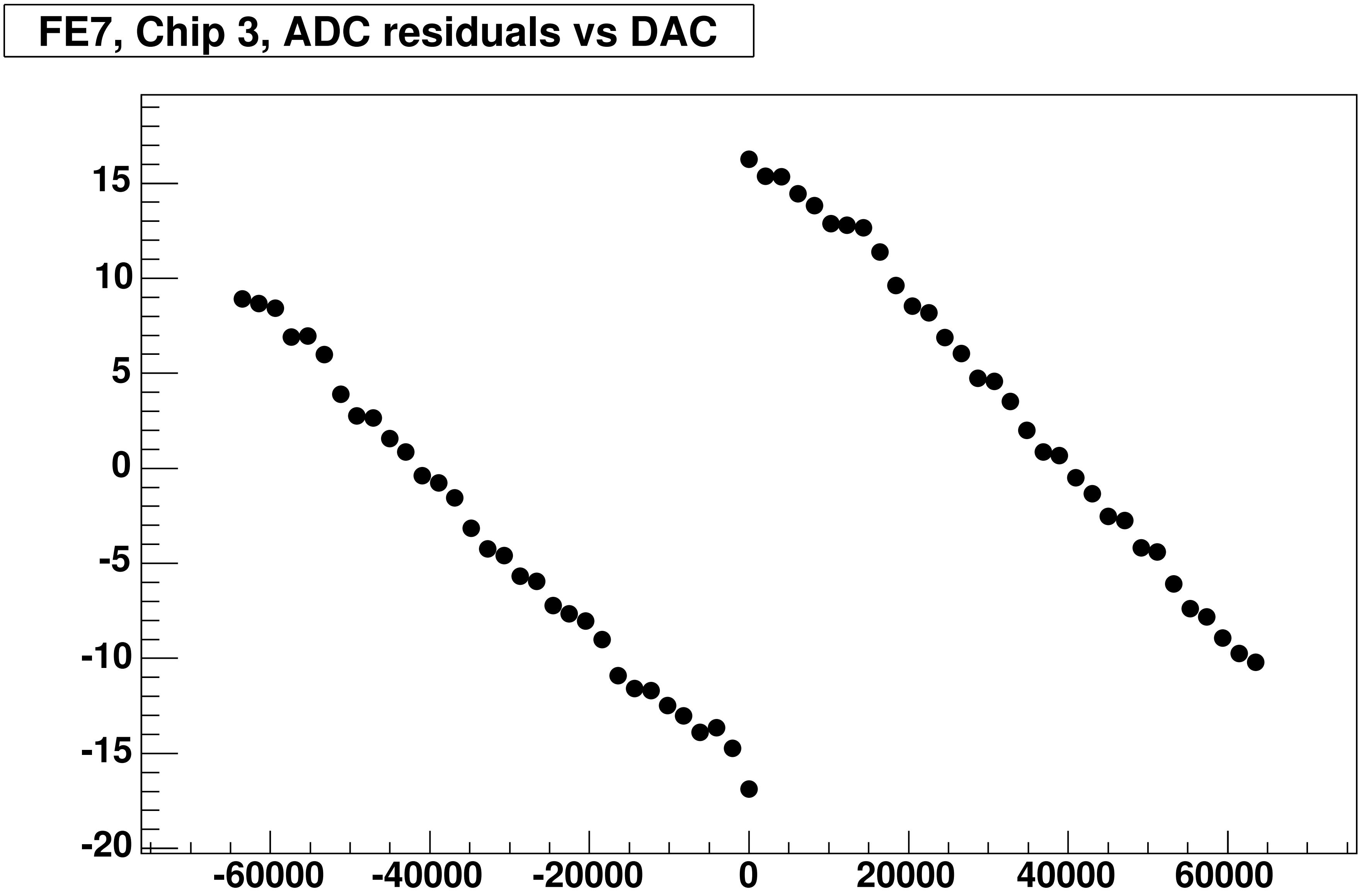
FE7, Chip 2, ADC mean vs DAC
χ^2 / ndf 1.182e+06 / 62
p0 21.09 $\pm$ 0.008688
p1 0.2358 $\pm$ 2.547e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

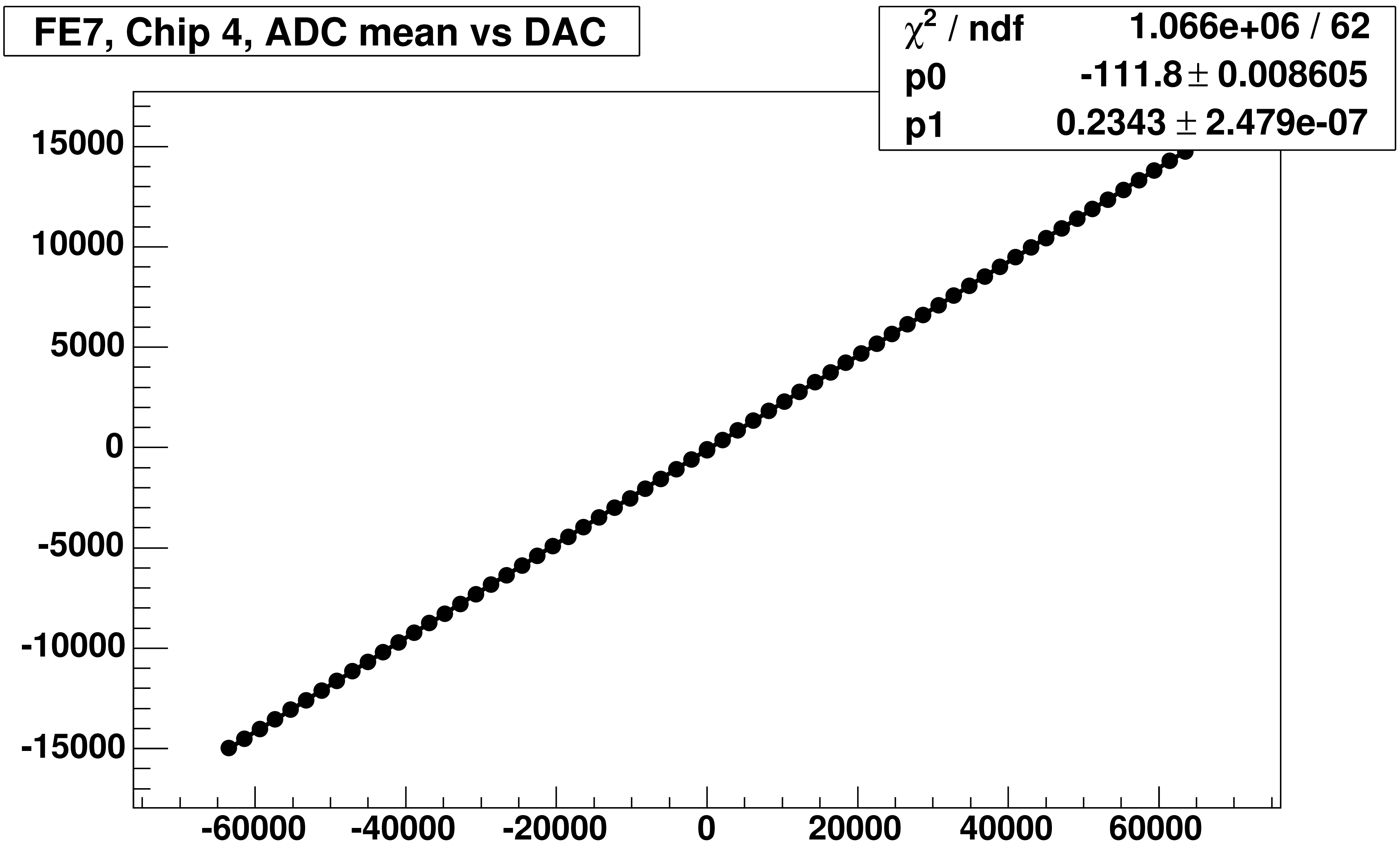

FE7, Chip 2, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000

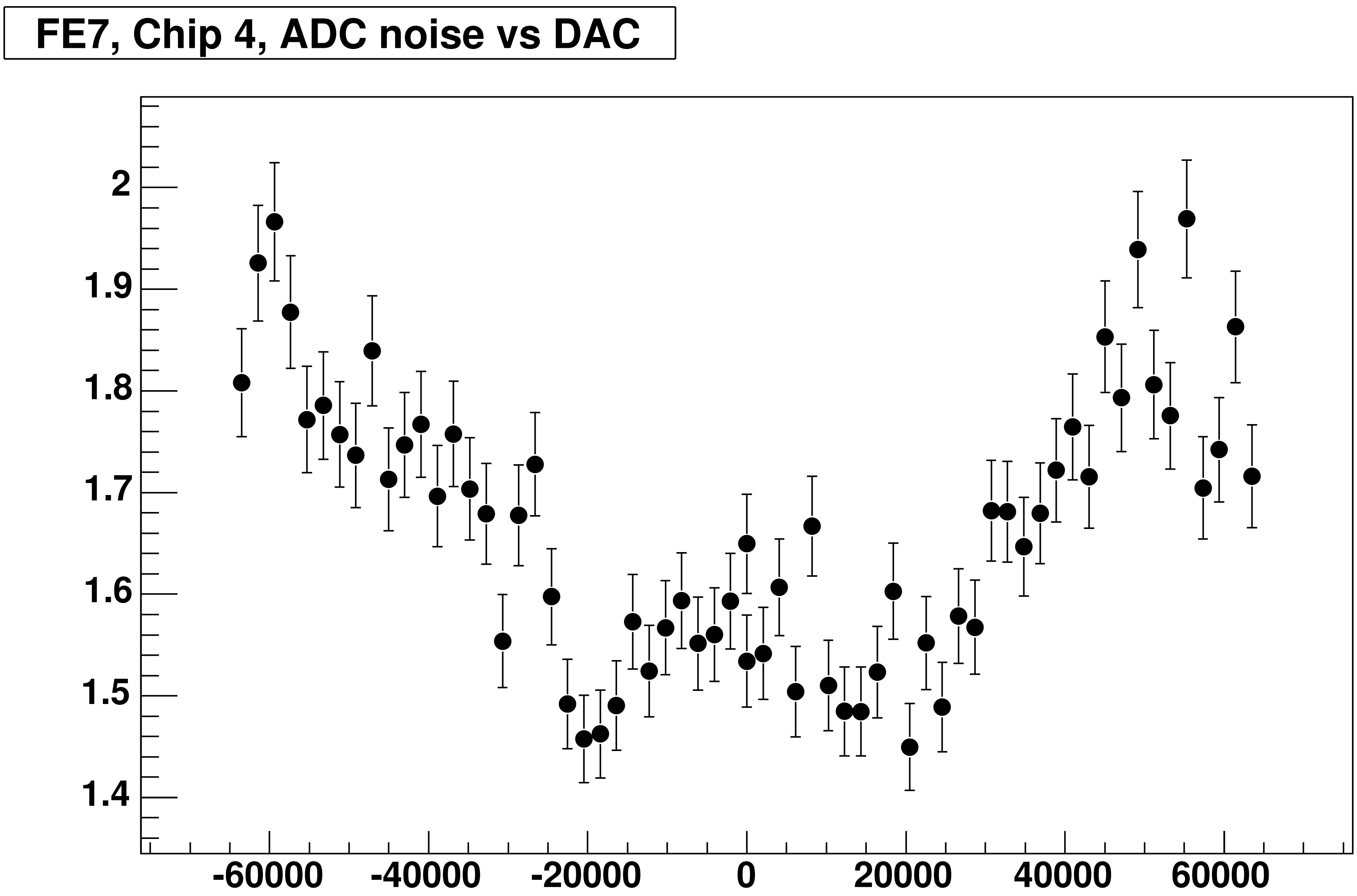

FE7, Chip 2, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-20
-60000
-40000
-20000
0
20000
40000
60000

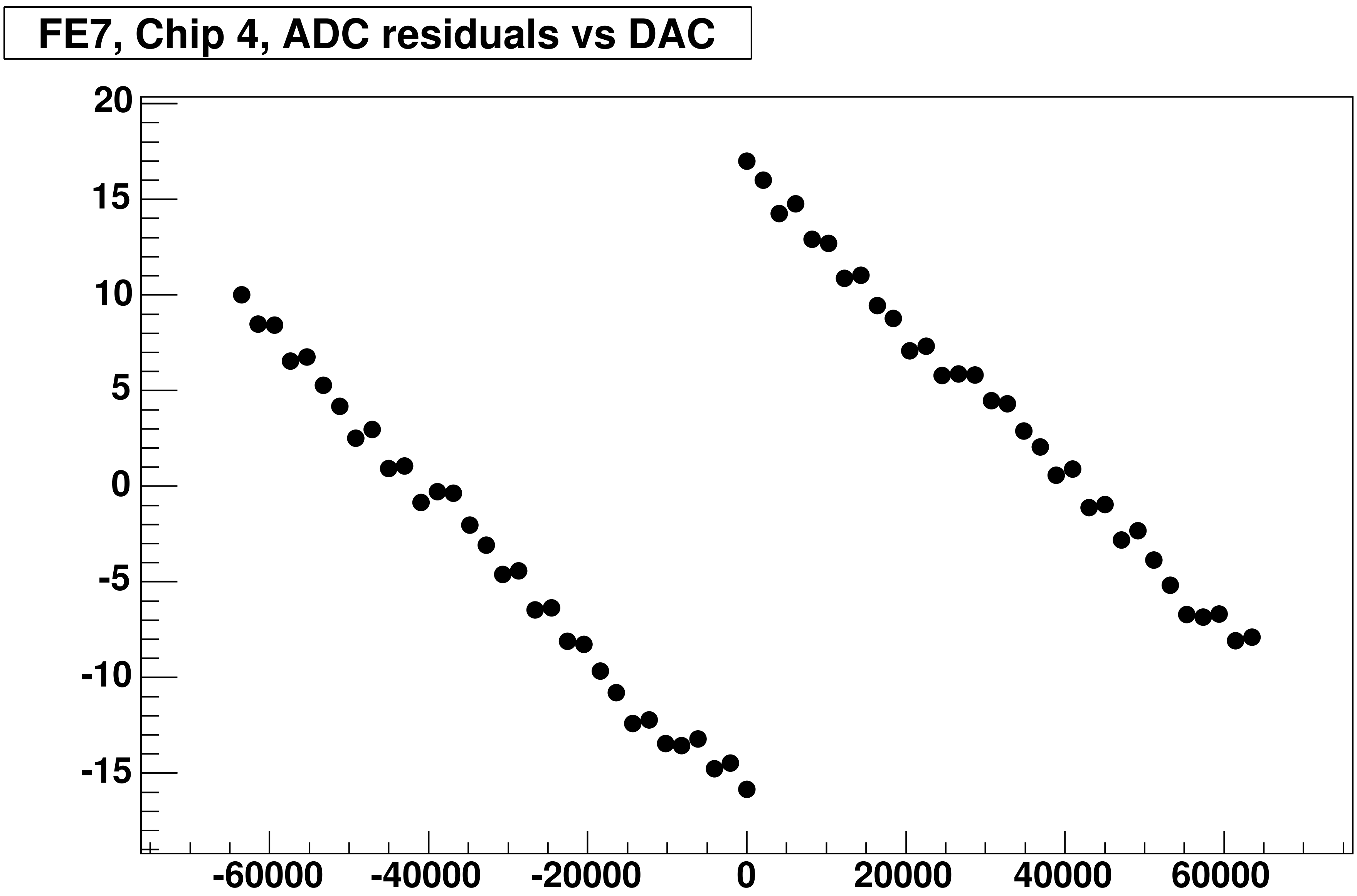

FE7, Chip 3, ADC mean vs DAC
χ^2 / ndf 1.15e+06 / 62
p0 183.5 ± 0.008576
p1 0.2361 ± 2.512e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

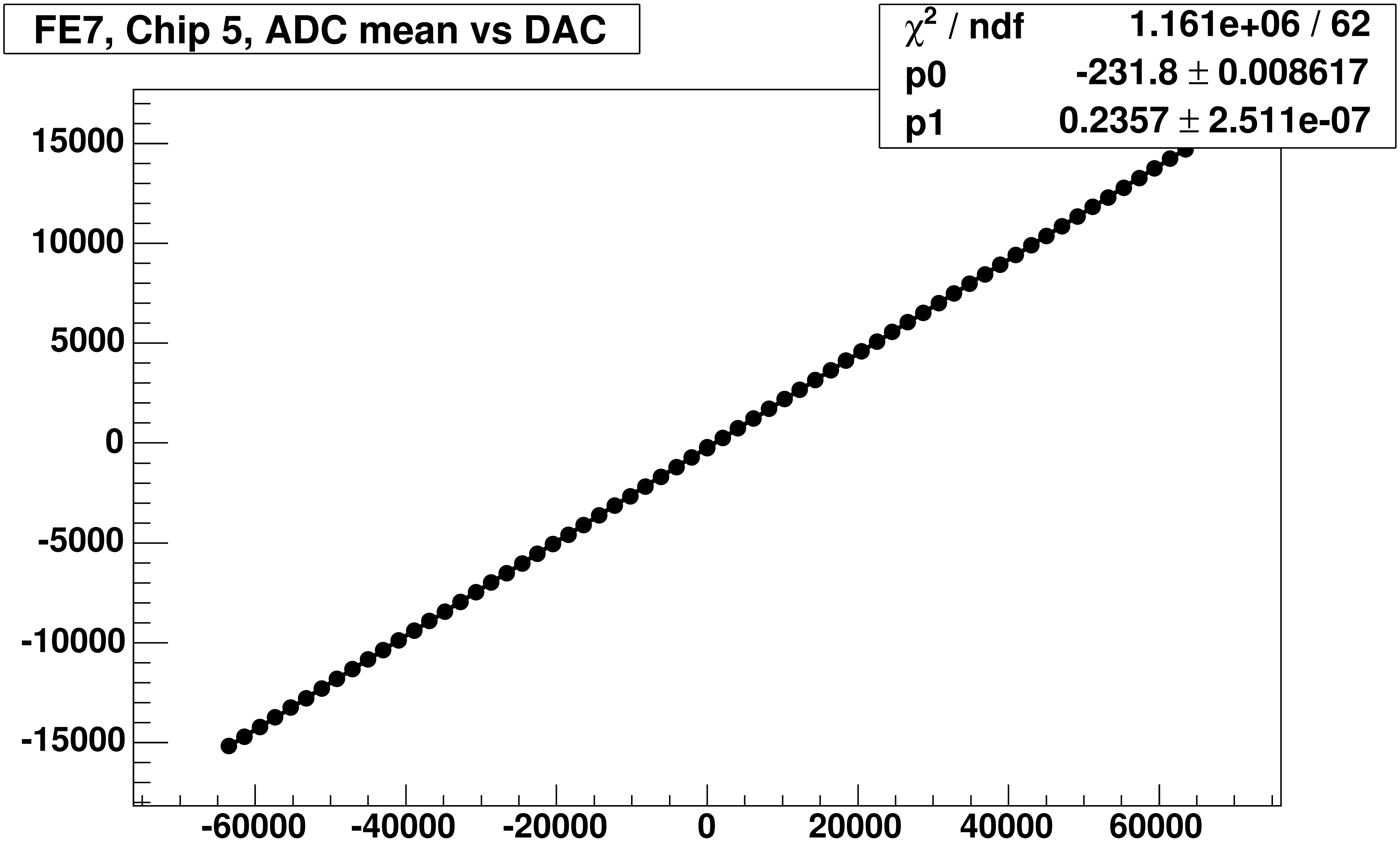

FE7, Chip 3, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

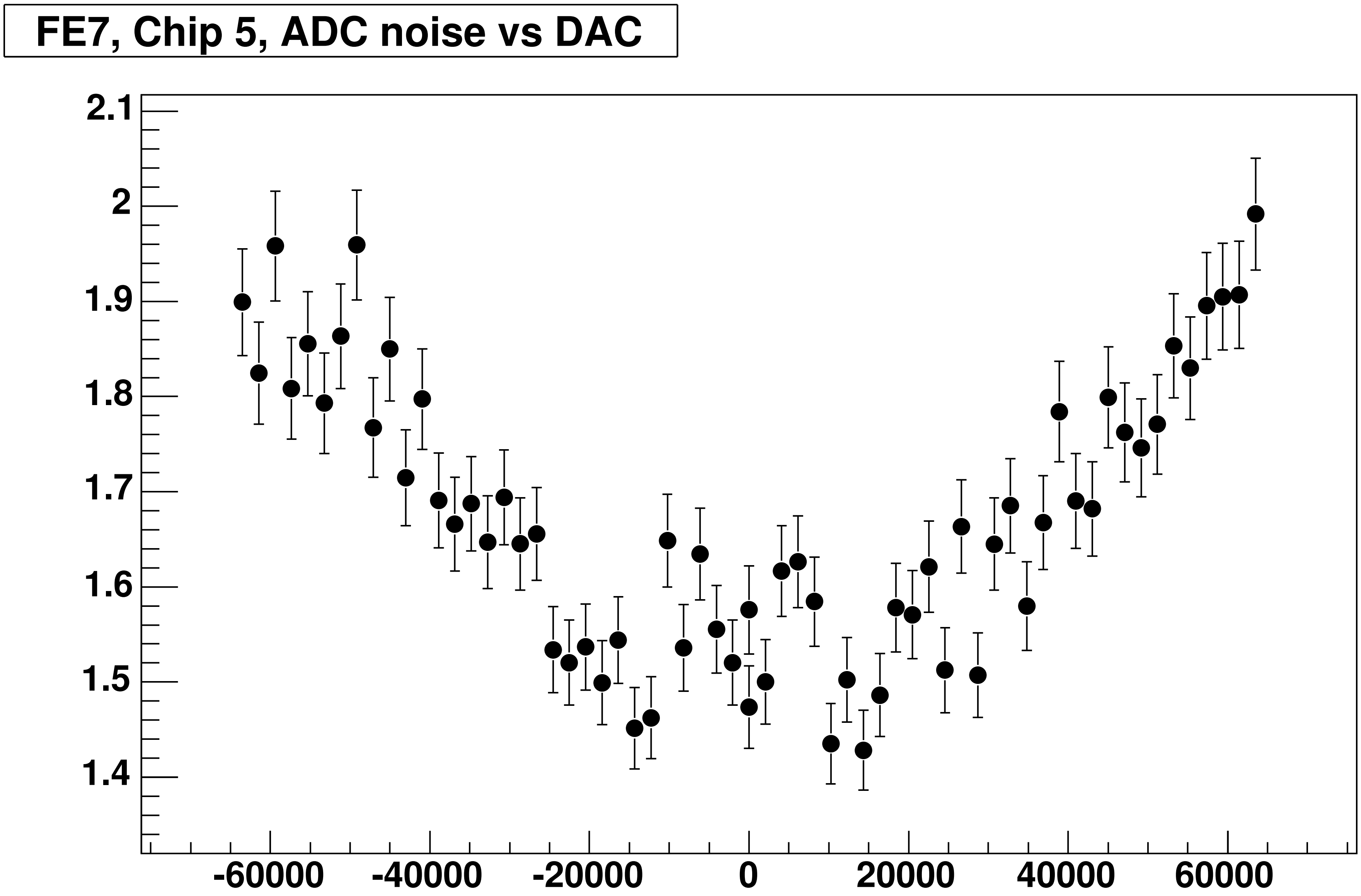

FE7, Chip 3, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-20
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 4, ADC mean vs DAC
χ^2 / ndf 1.066e+06 / 62
p0 -111.8 ± 0.008605
p1 0.2343 ± 2.479e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

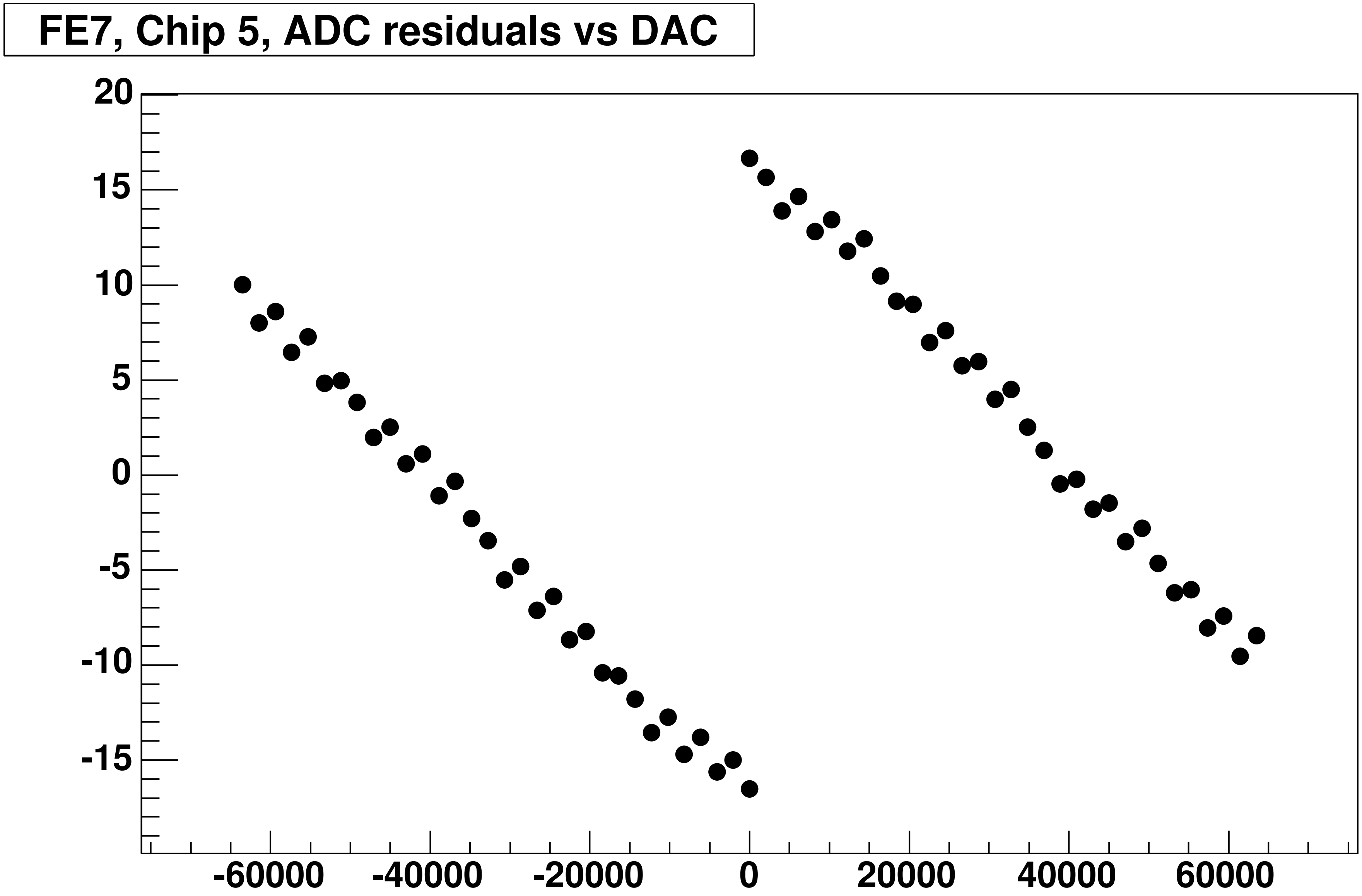

FE7, Chip 4, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 4, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

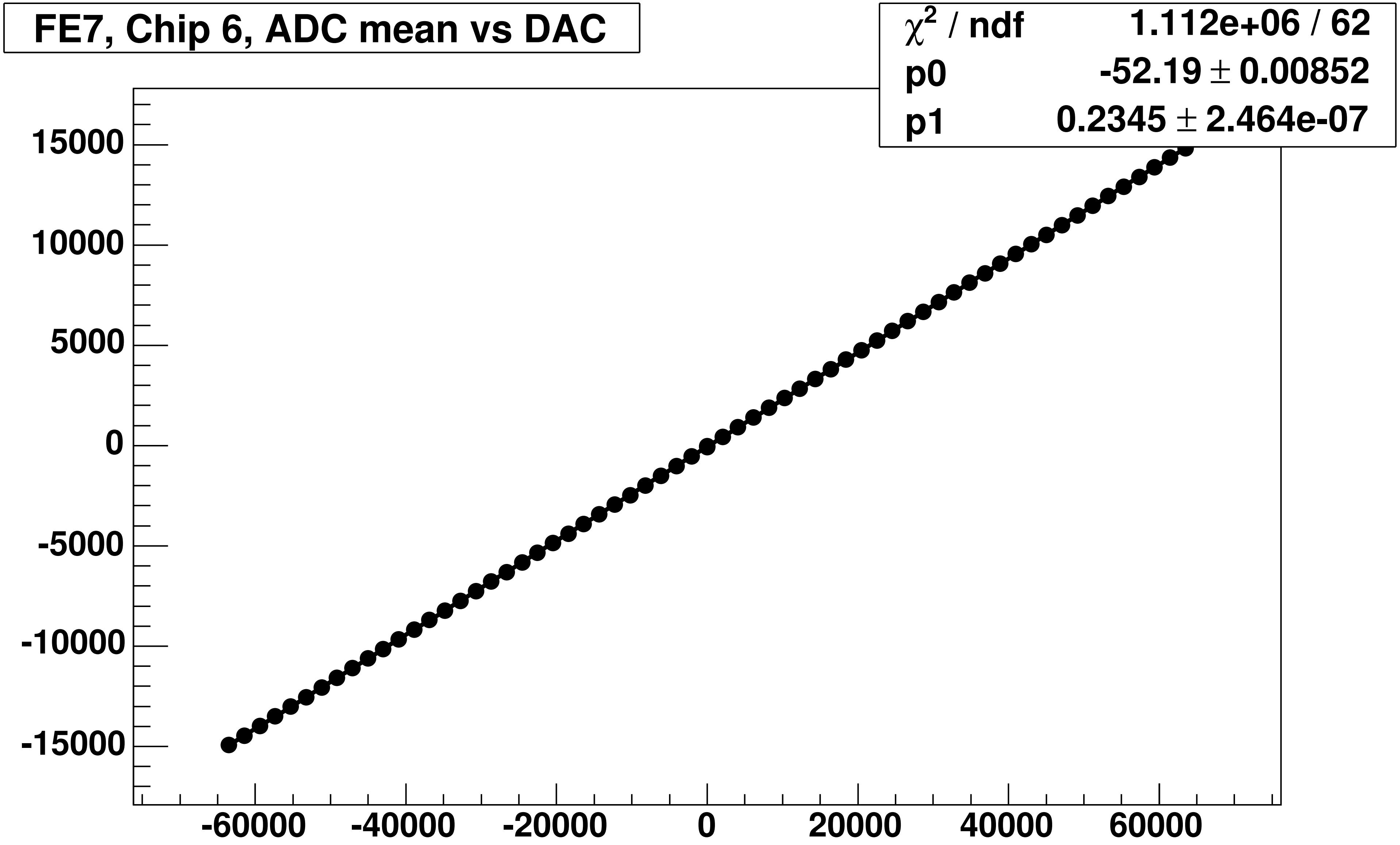

FE7, Chip 5, ADC mean vs DAC
χ^2 / ndf 1.161e+06 / 62
p0 -231.8 ± 0.008617
p1 0.2357 ± 2.511e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000



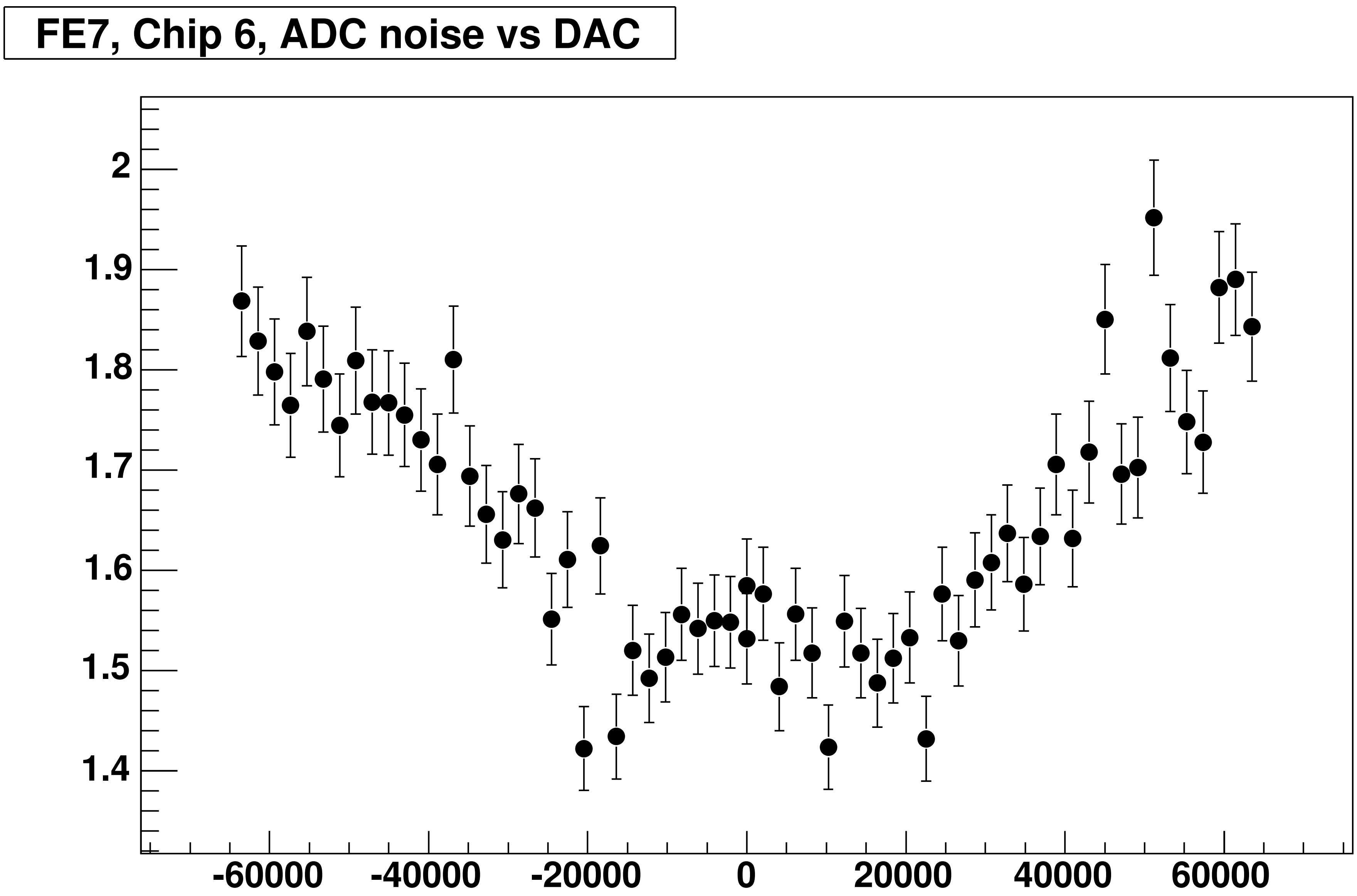
FE7, Chip 5, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000

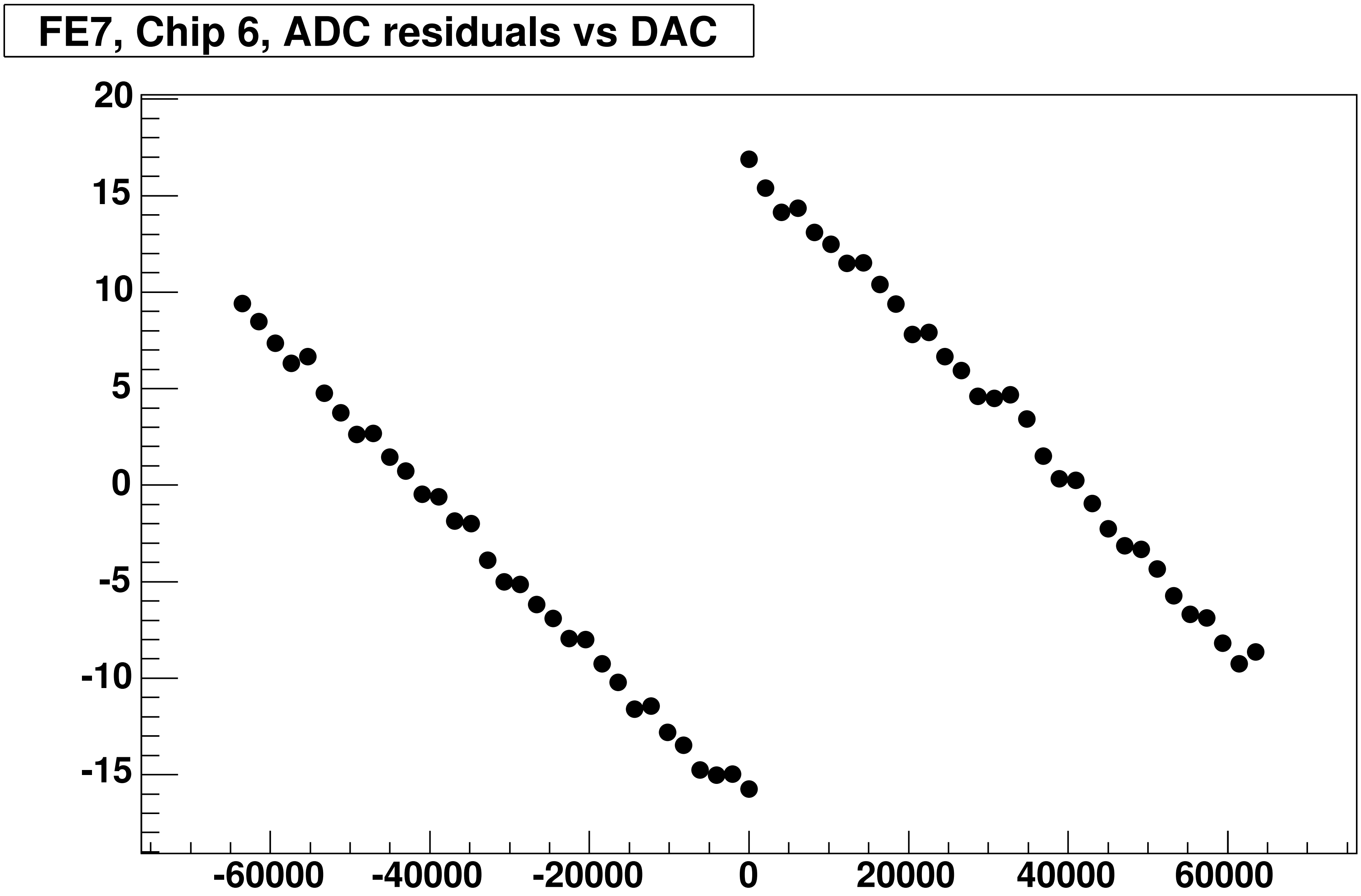


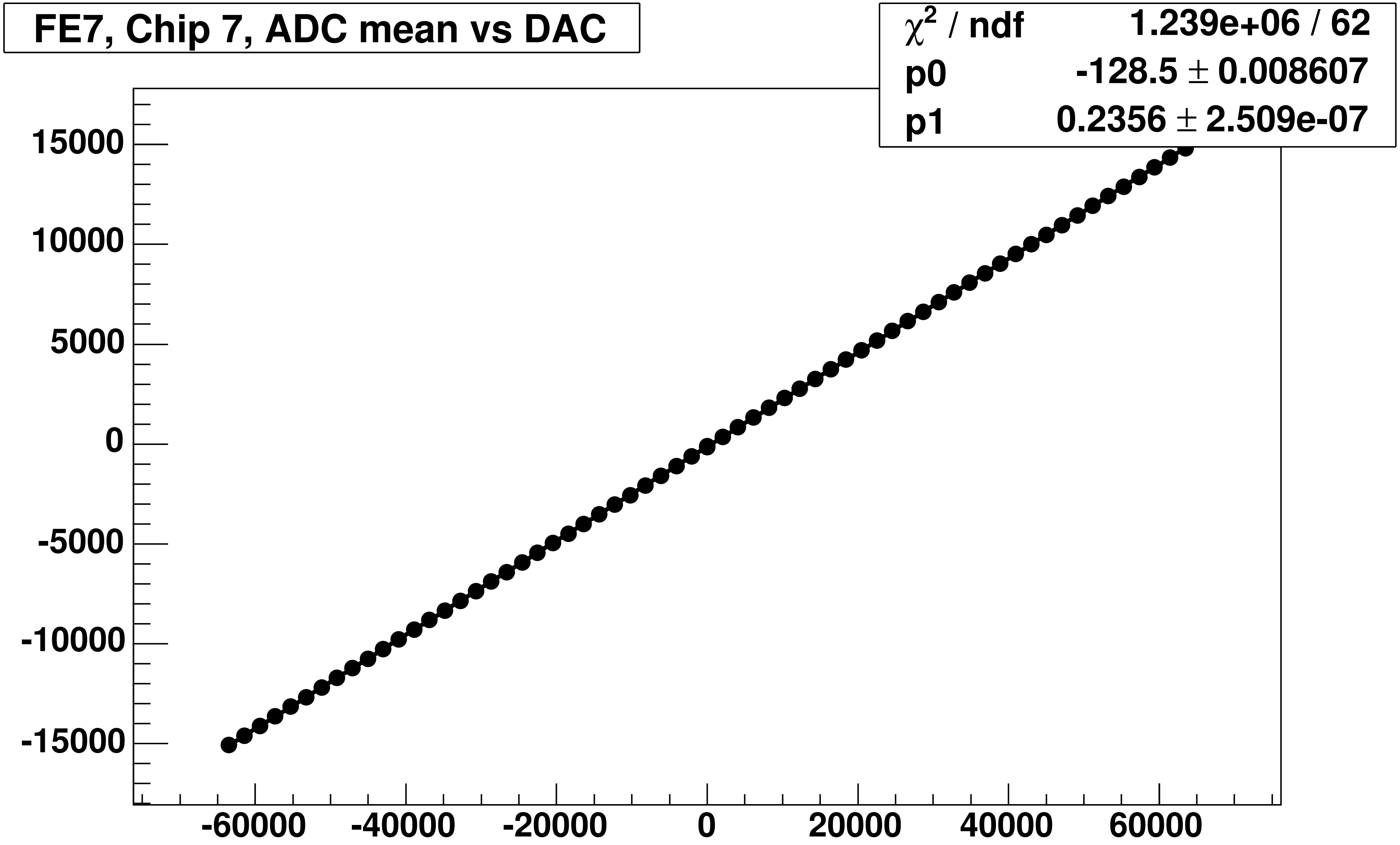
FE7, Chip 5, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

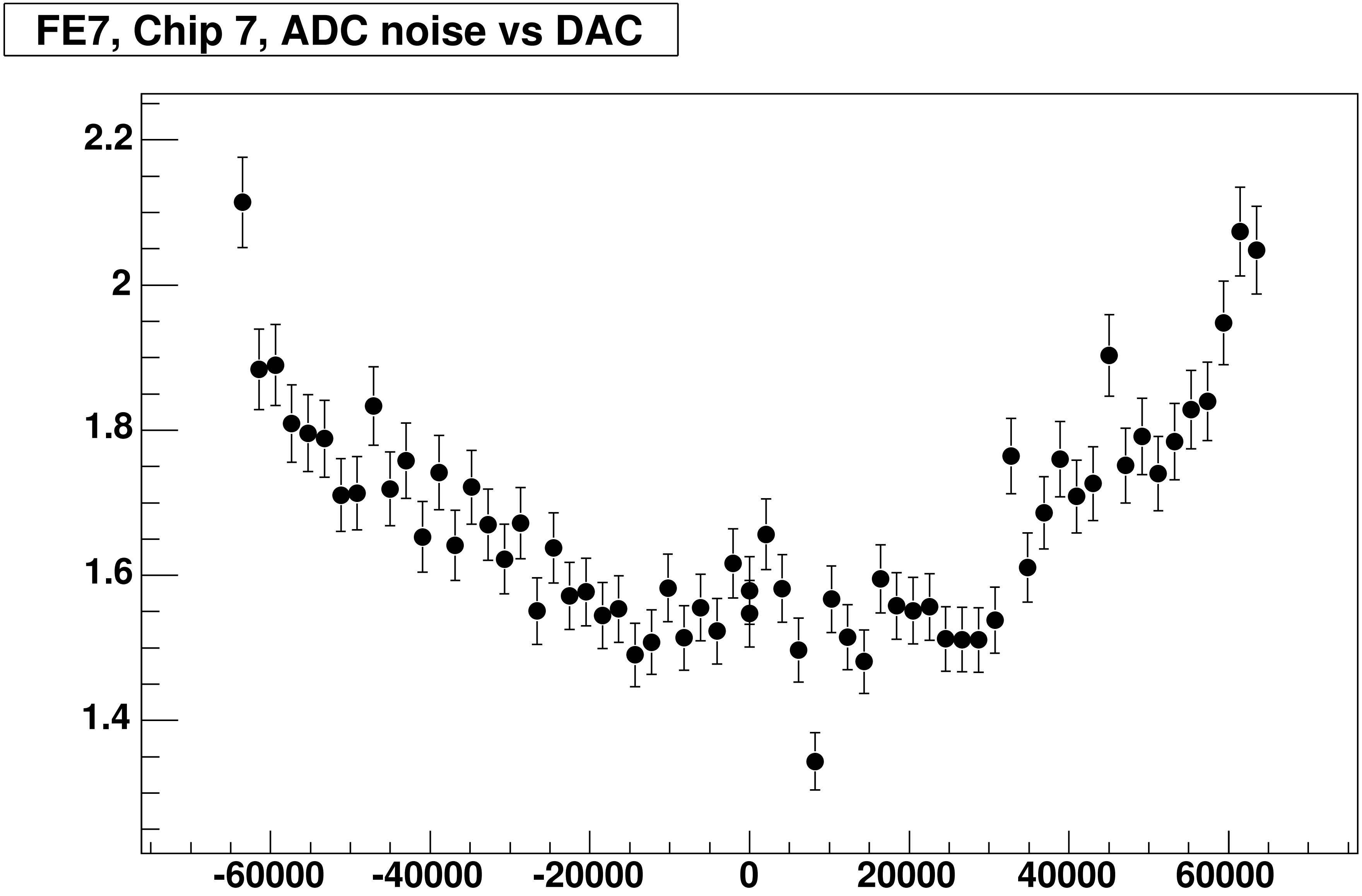


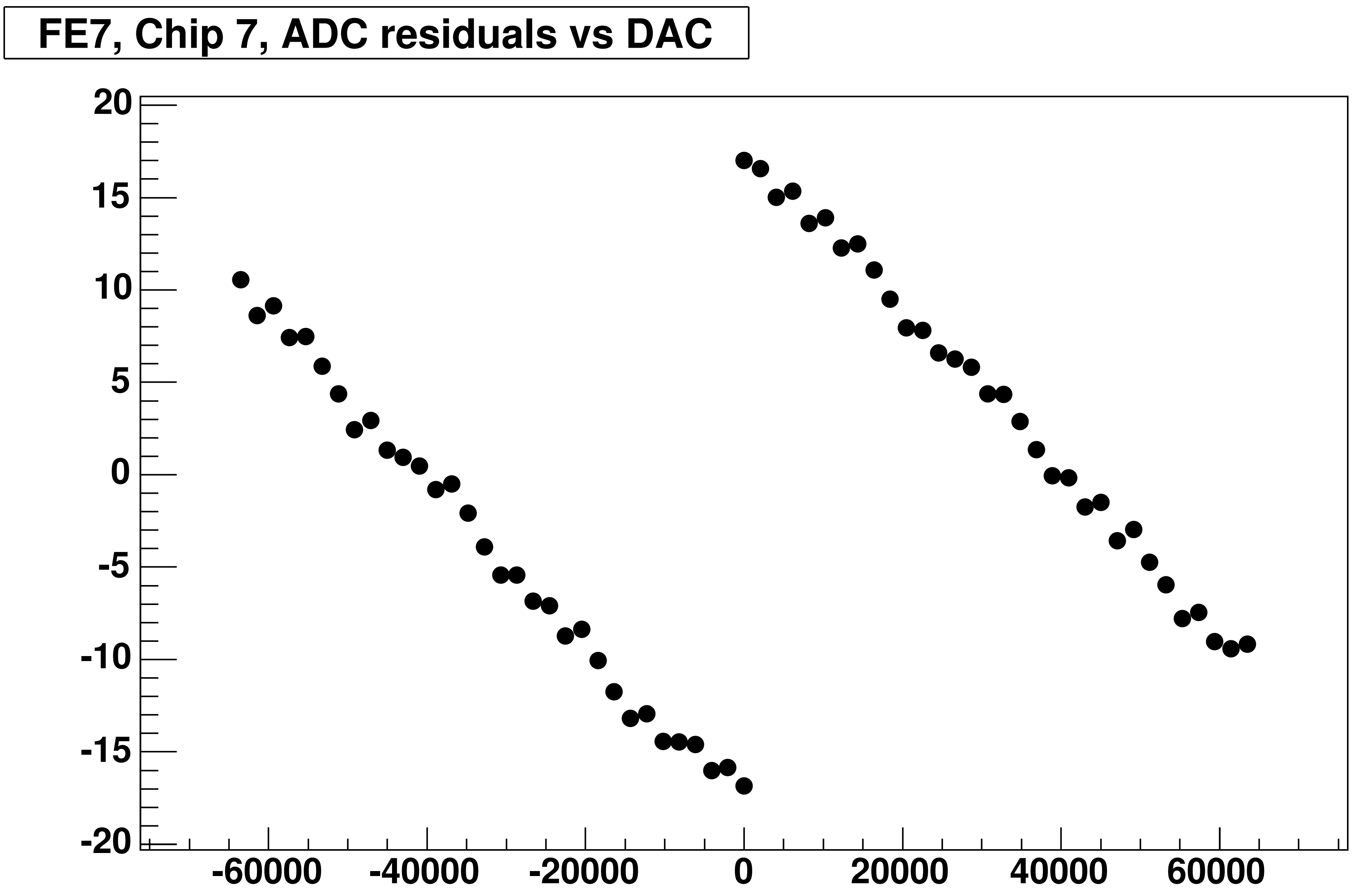
FE7, Chip 6, ADC mean vs DAC
χ^2 / ndf 1.112e+06 / 62
p0 -52.19 ± 0.00852
p1 0.2345 ± 2.464e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

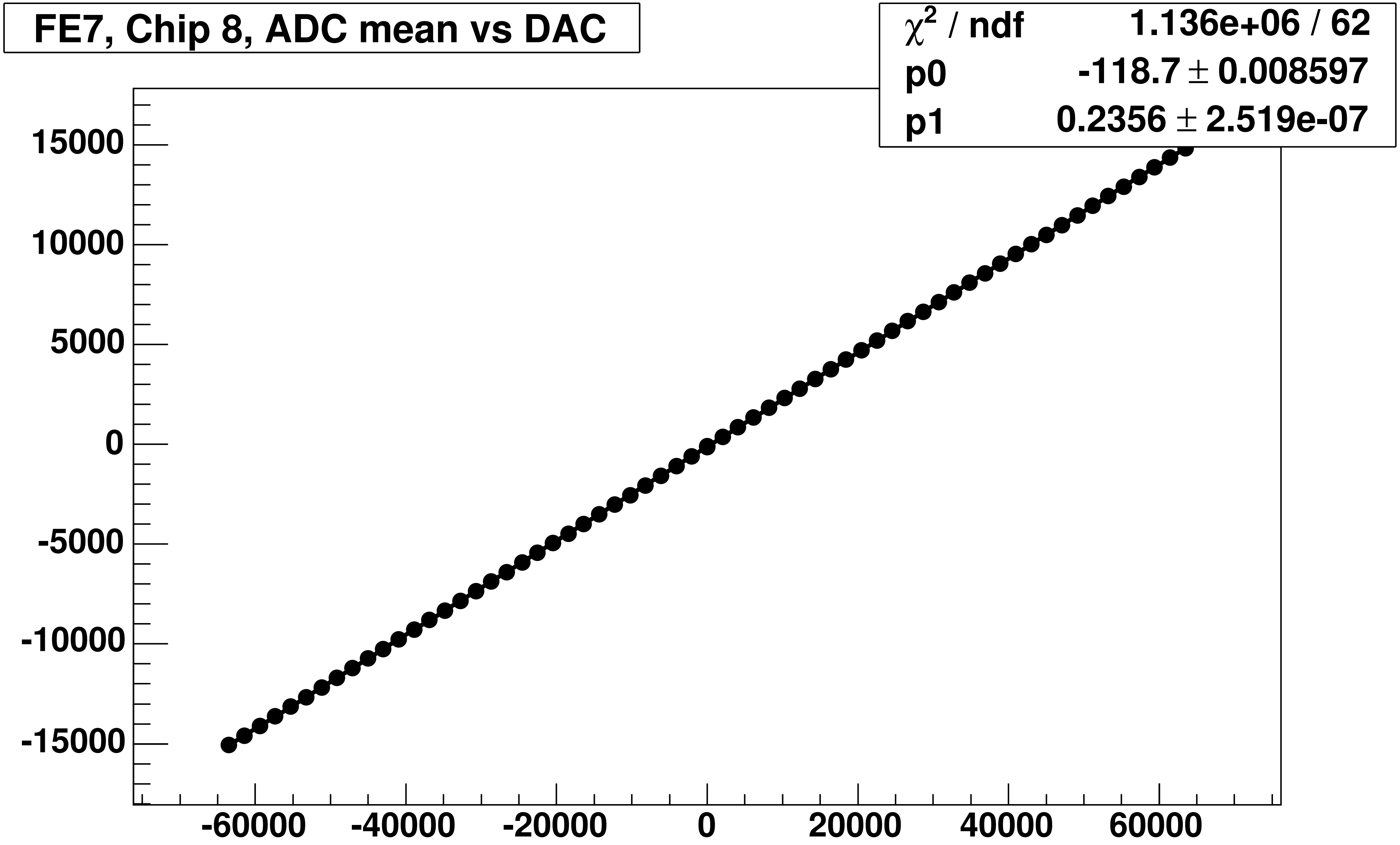

FE7, Chip 6, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 6, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

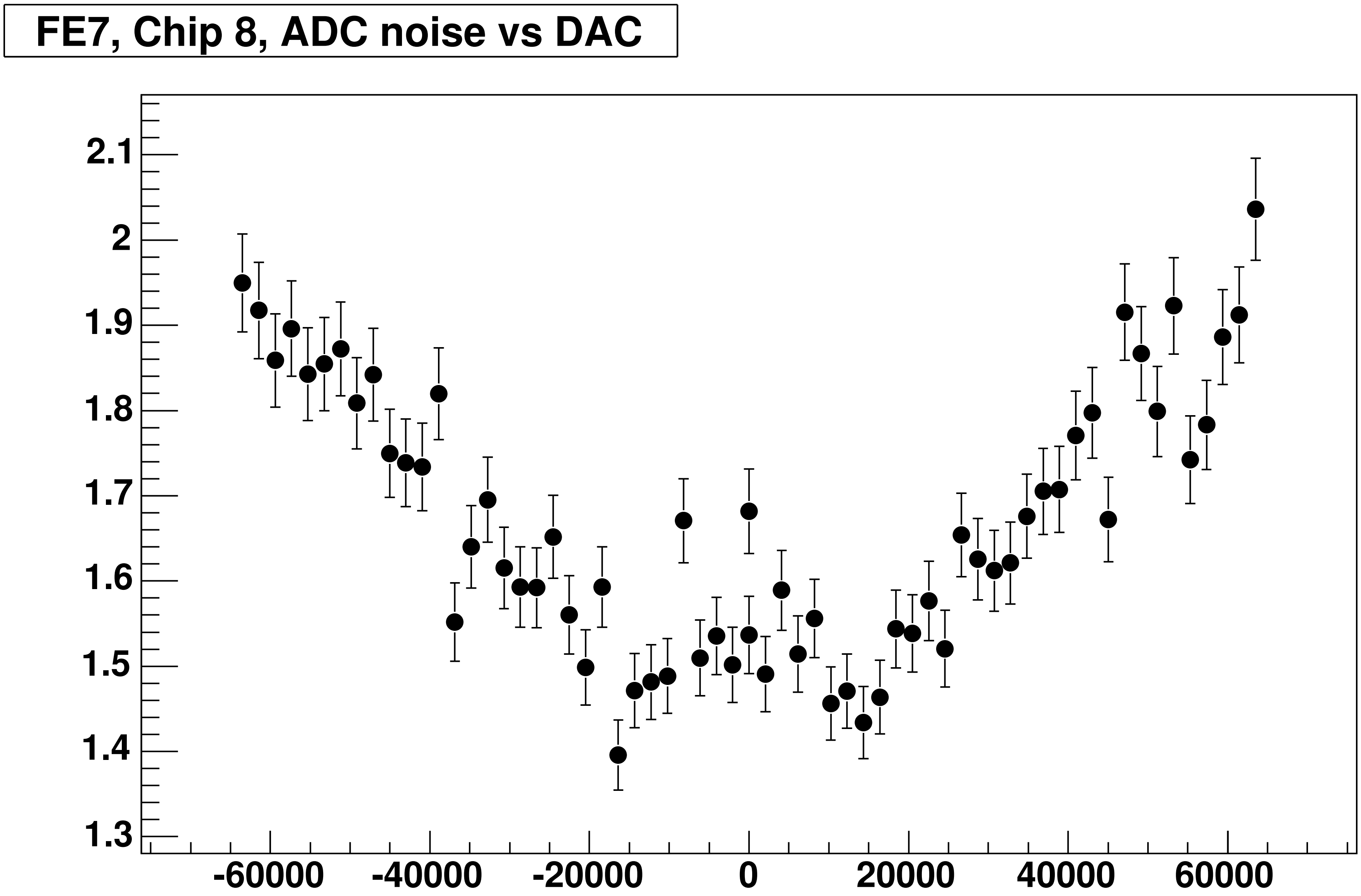

FE7, Chip 7, ADC mean vs DAC
χ^2 / ndf 1.239e+06 / 62
p0 -128.5 ± 0.008607
p1 0.2356 ± 2.509e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

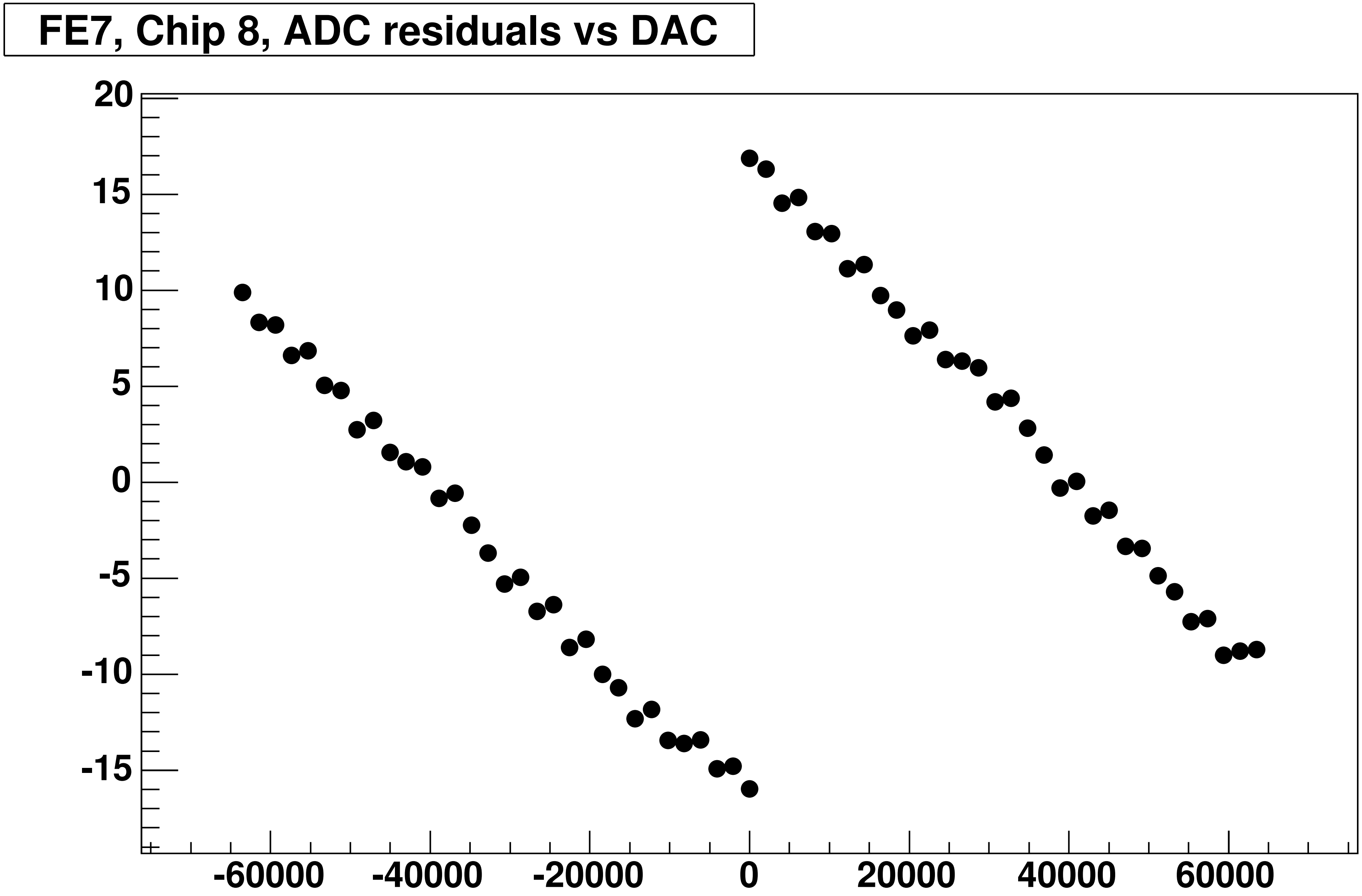

FE7, Chip 7, ADC noise vs DAC
2.2
2
1.8
1.6
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 7, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-20
-60000
-40000
-20000
0
20000
40000
60000

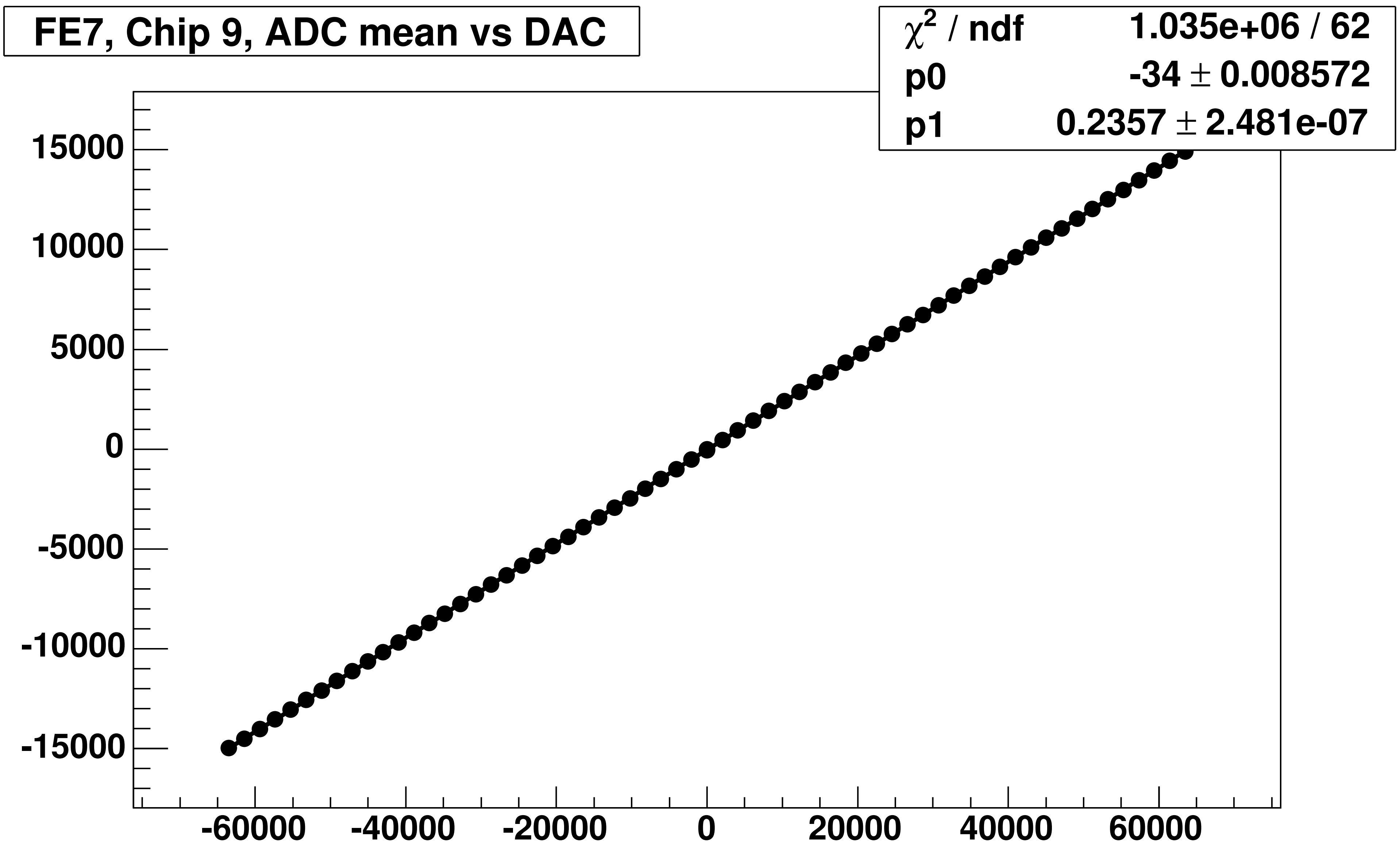


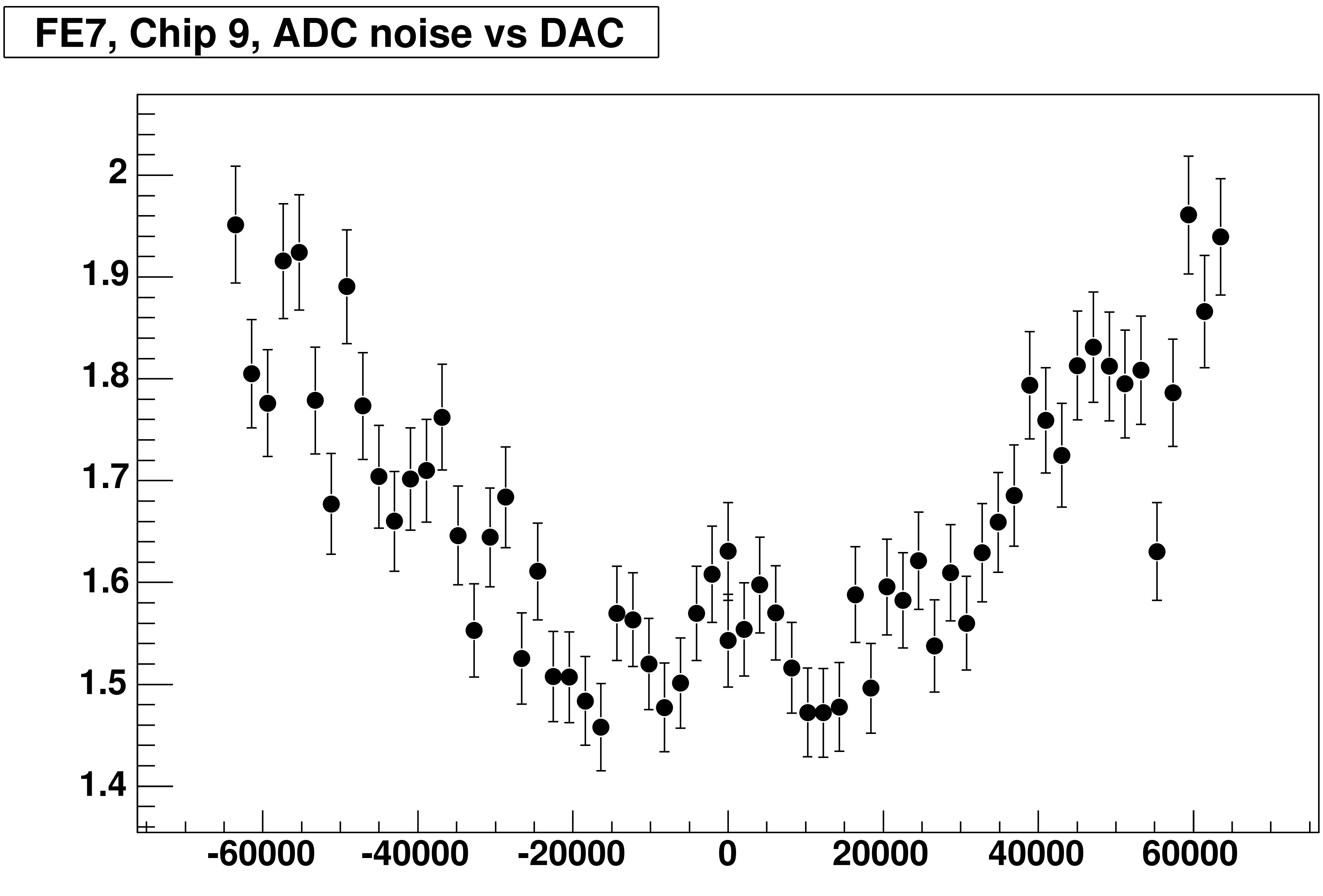
FE7, Chip 8, ADC mean vs DAC
χ² / ndf 1.136e+06 / 62
p0 -118.7 ± 0.008597
p1 0.2356 ± 2.519e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

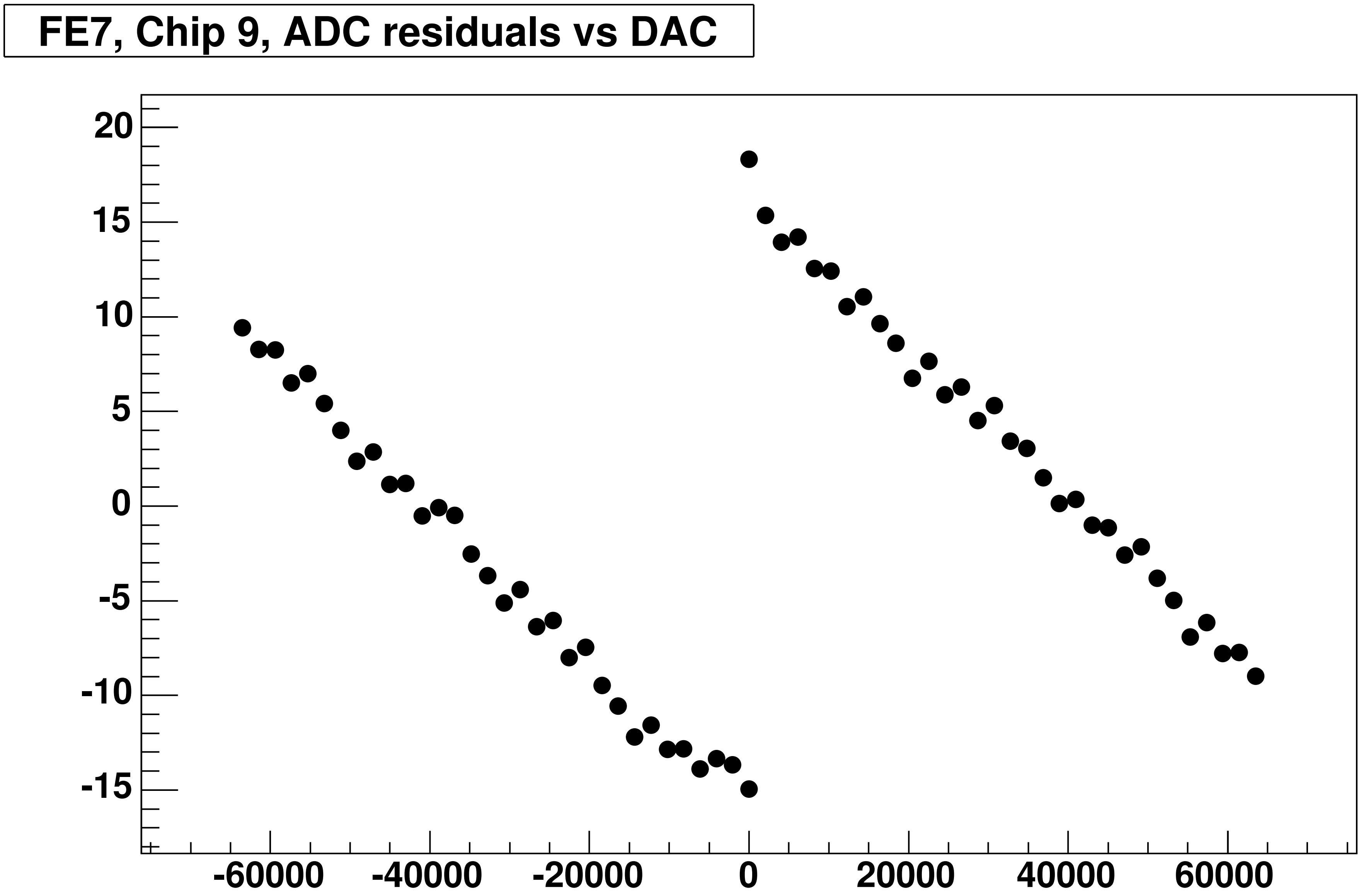

FE7, Chip 8, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000

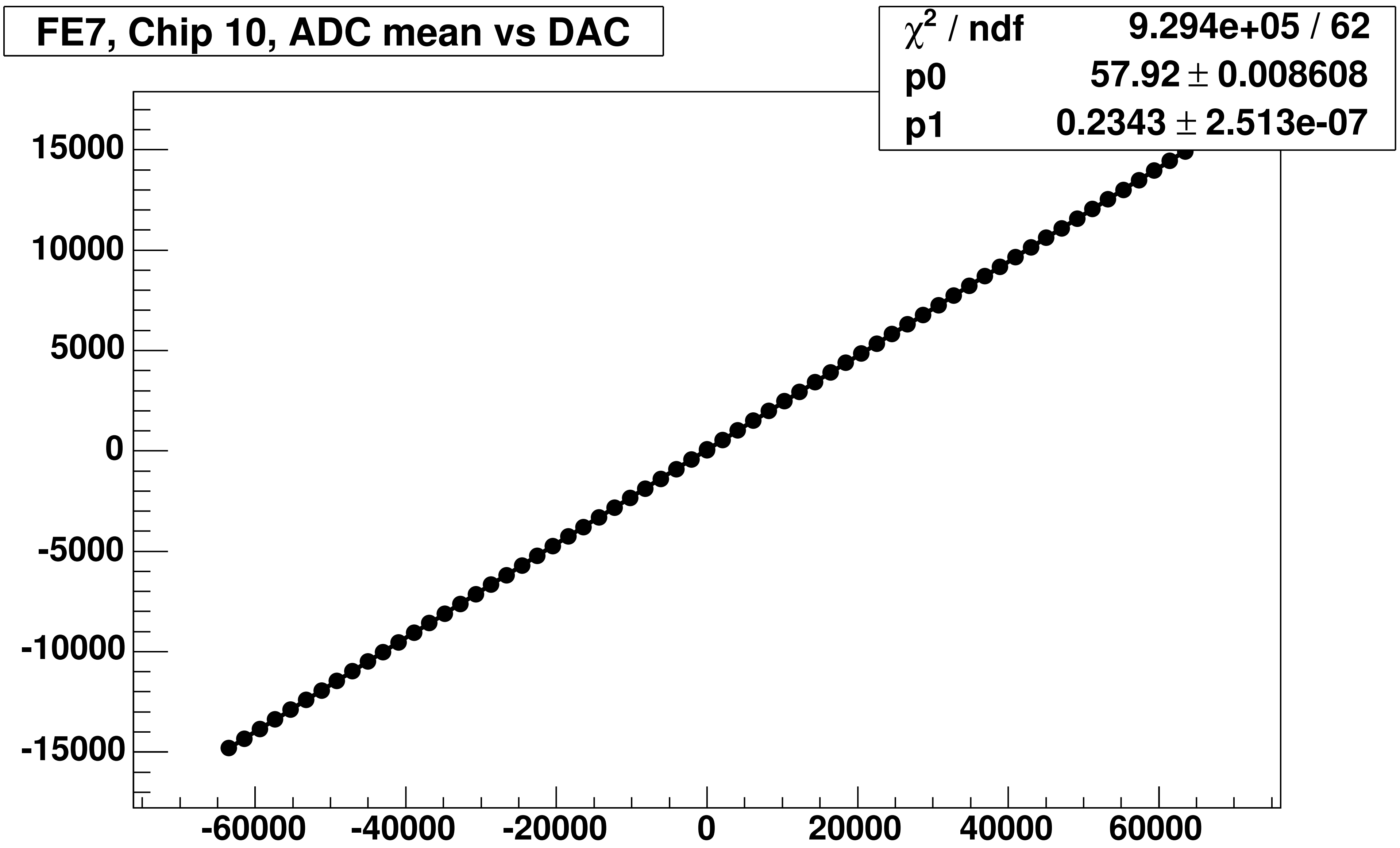


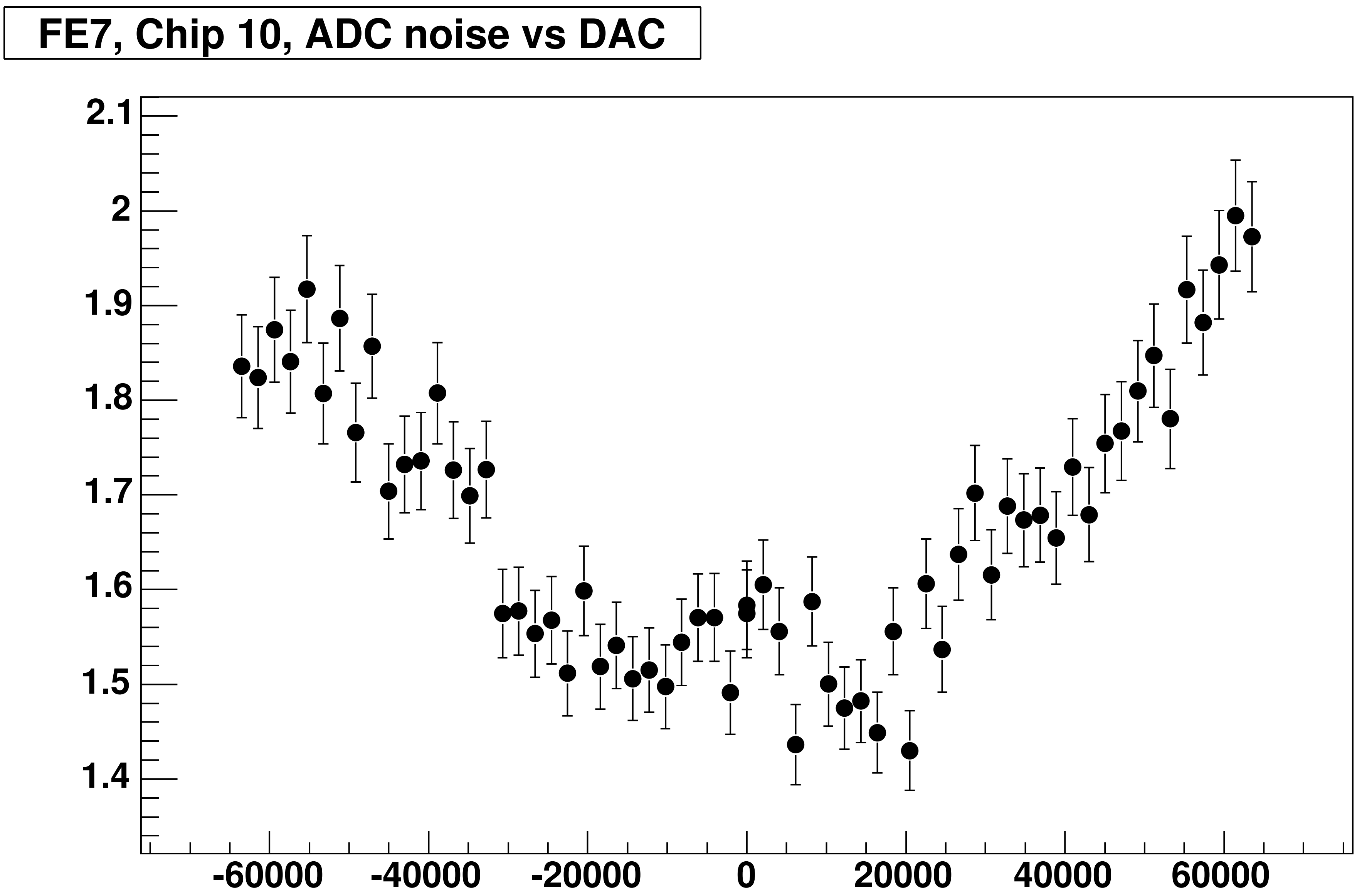
FE7, Chip 8, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

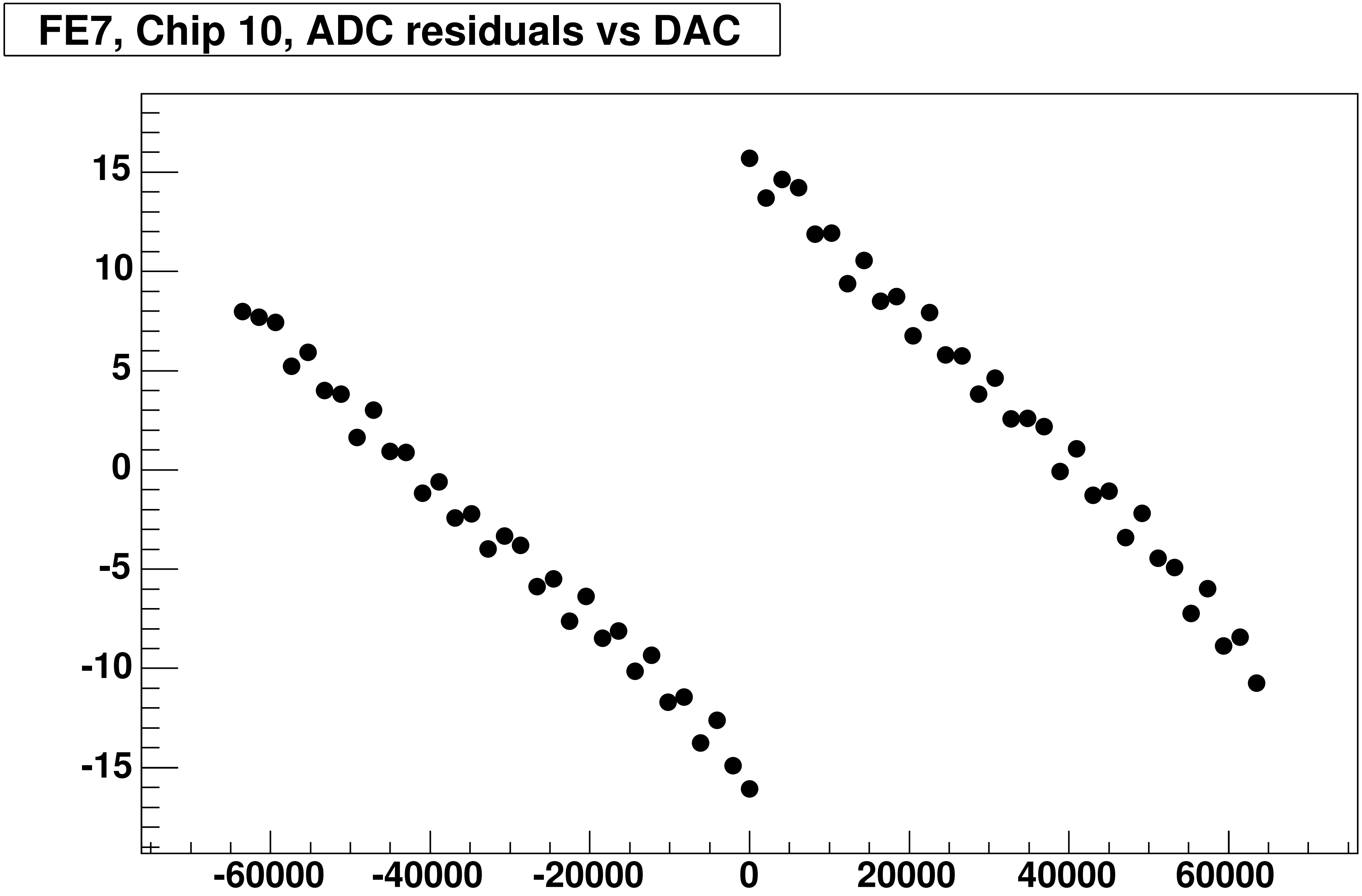

FE7, Chip 9, ADC mean vs DAC
χ^2 / ndf 1.035e+06 / 62
p0 -34 ± 0.008572
p1 0.2357 ± 2.481e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

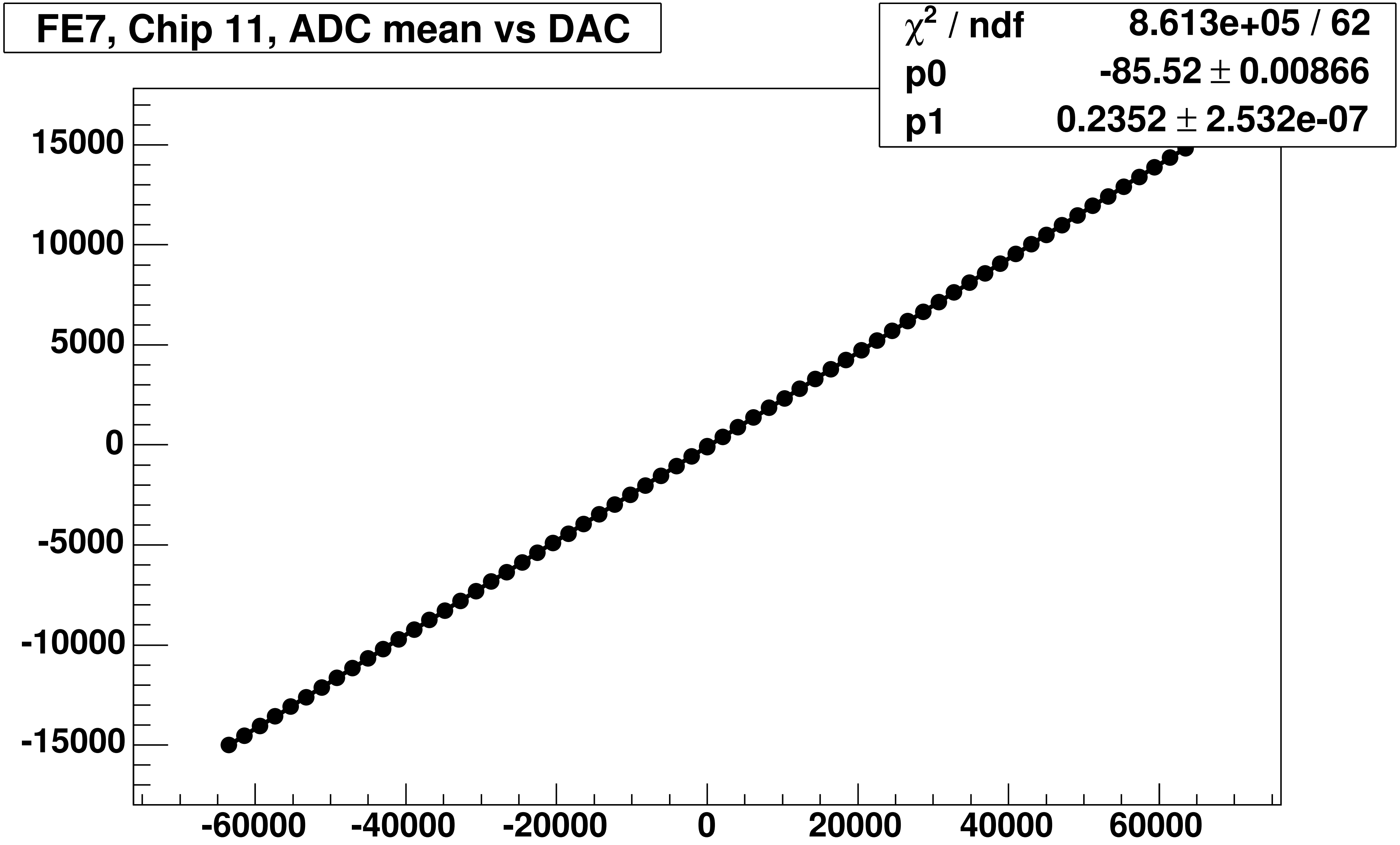

FE7, Chip 9, ADC noise vs DAC
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 9, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

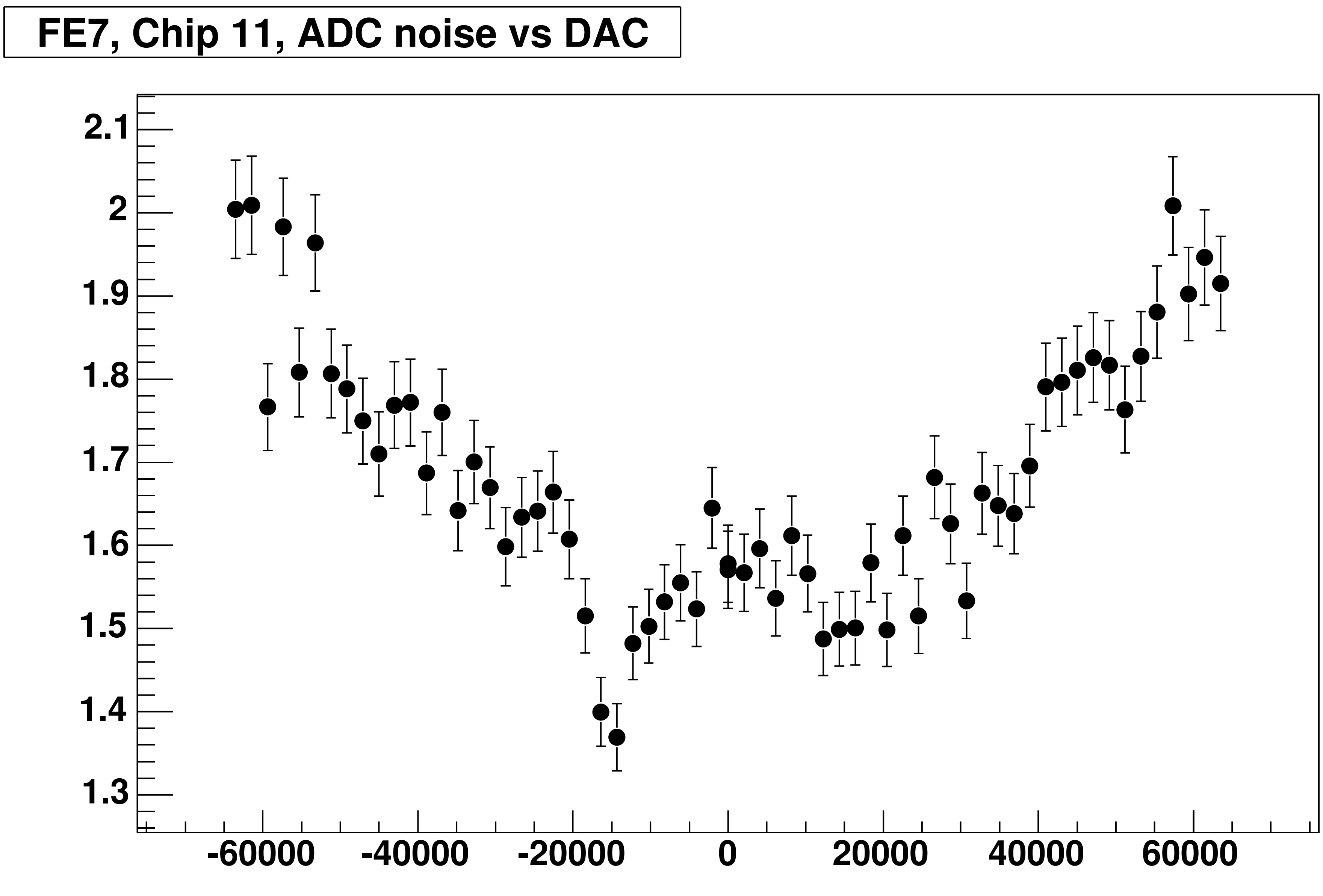

FE7, Chip 10, ADC mean vs DAC
χ^2 / ndf 9.294e+05 / 62
p0 57.92 ± 0.008608
p1 0.2343 ± 2.513e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000

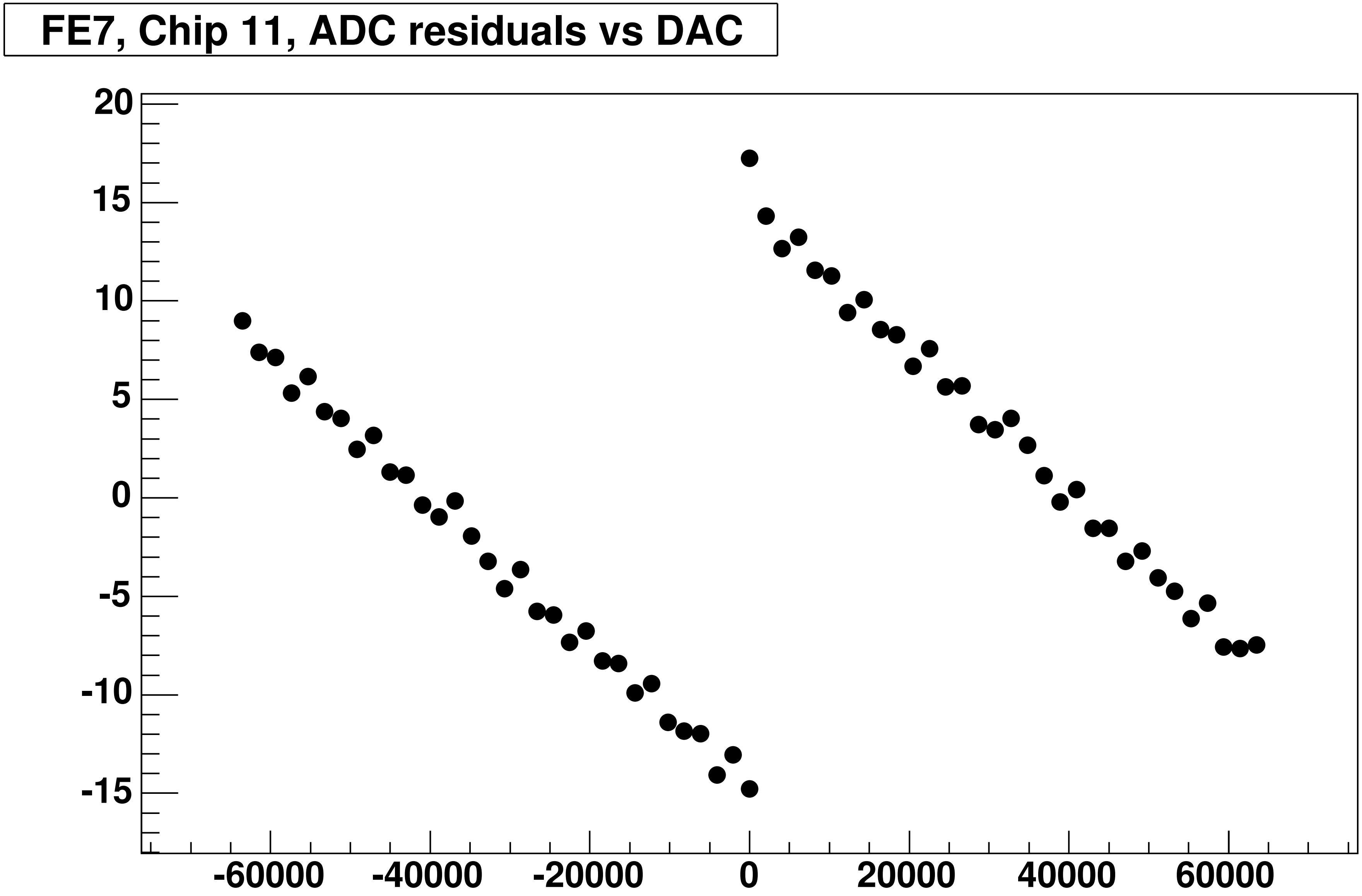

FE7, Chip 10, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 10, ADC residuals vs DAC
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000

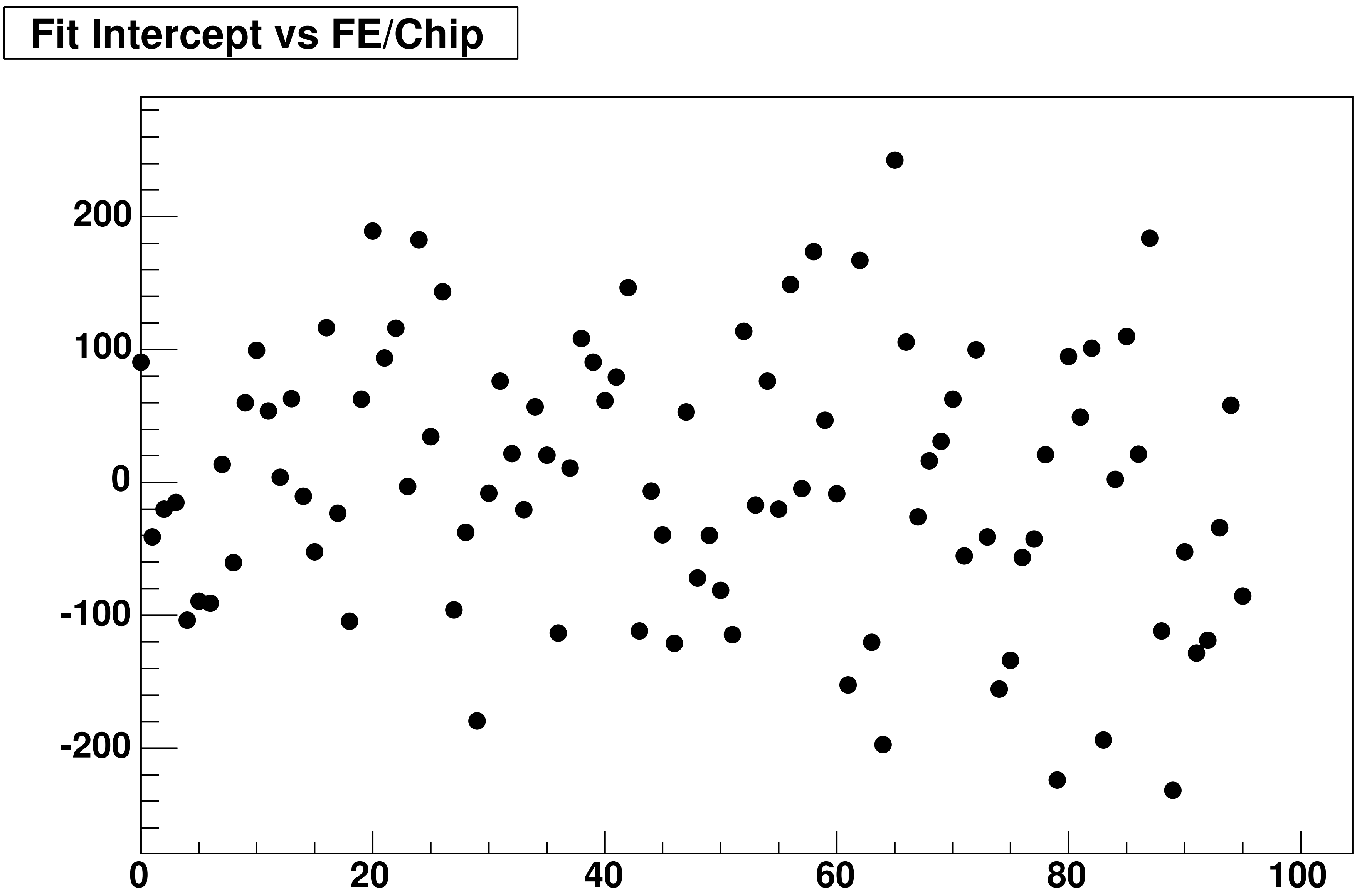


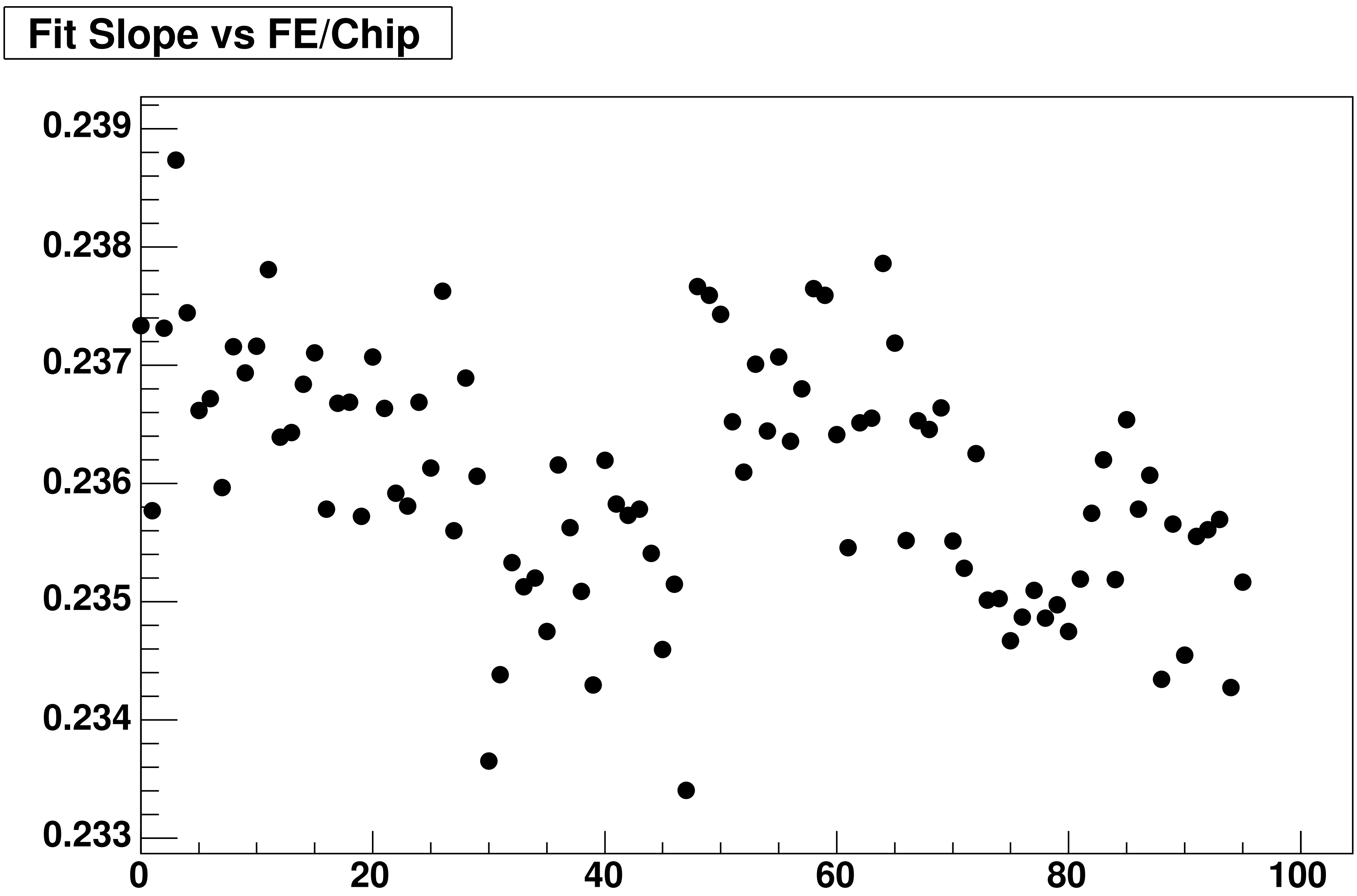
FE7, Chip 11, ADC mean vs DAC
χ2 / ndf 8.613e+05 / 62
p0 -85.52 ± 0.00866
p1 0.2352 ± 2.532e-07
15000
10000
5000
0
-5000
-10000
-15000
-60000
-40000
-20000
0
20000
40000
60000


FE7, Chip 11, ADC noise vs DAC
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
-60000
-40000
-20000
0
20000
40000
60000



FE7, Chip 11, ADC residuals vs DAC
20
15
10
5
0
-5
-10
-15
-60000
-40000
-20000
0
20000
40000
60000


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



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