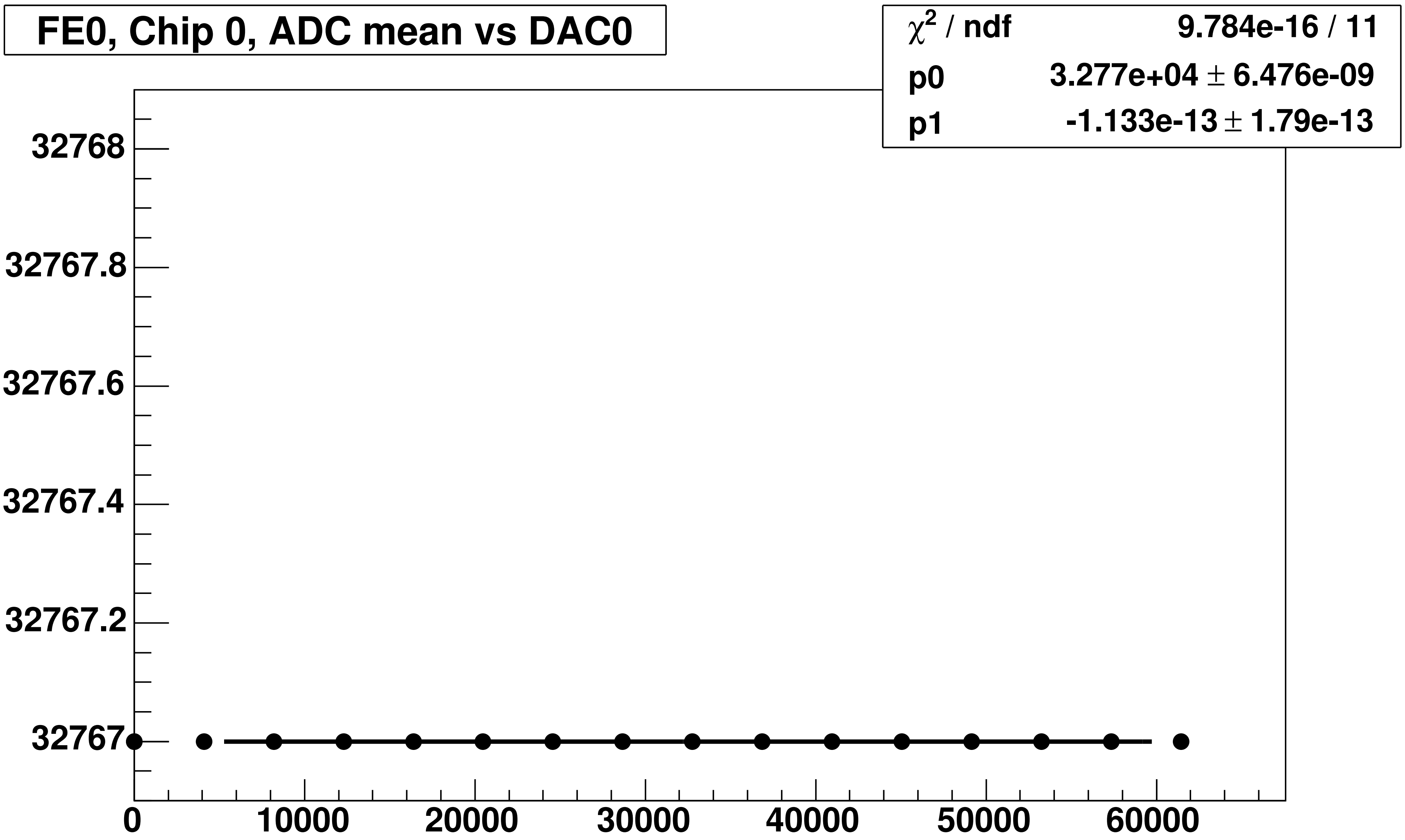
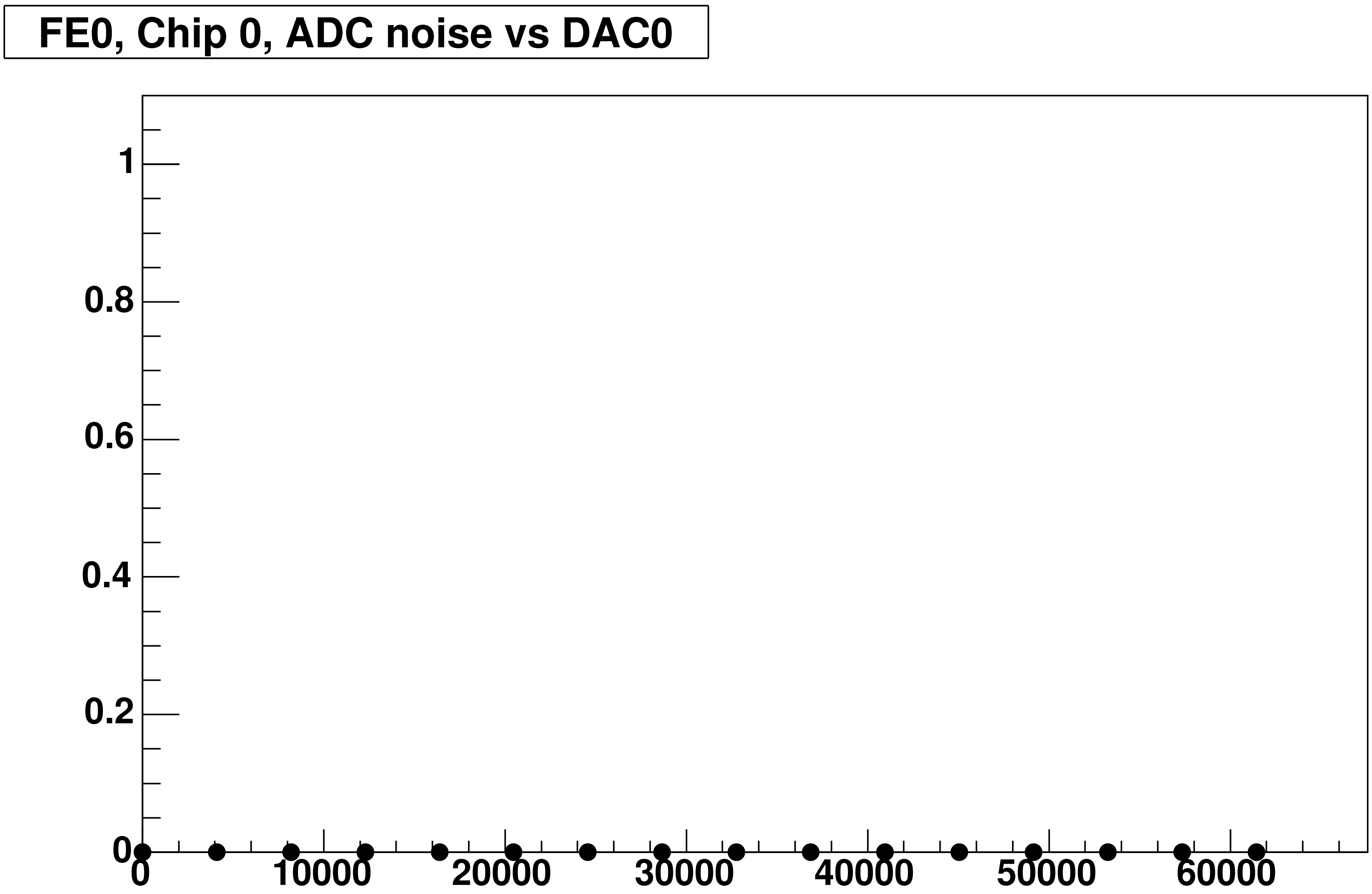
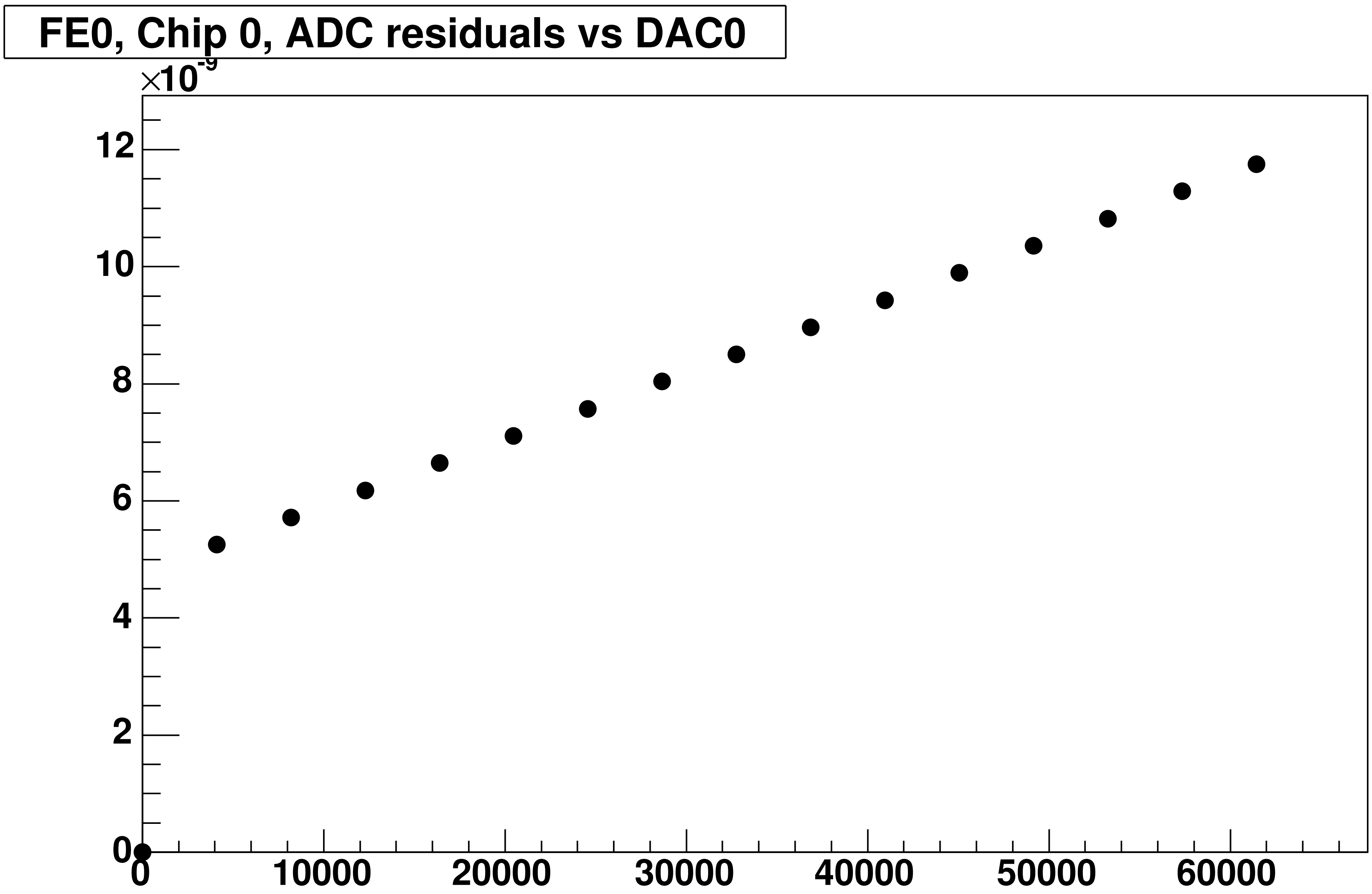
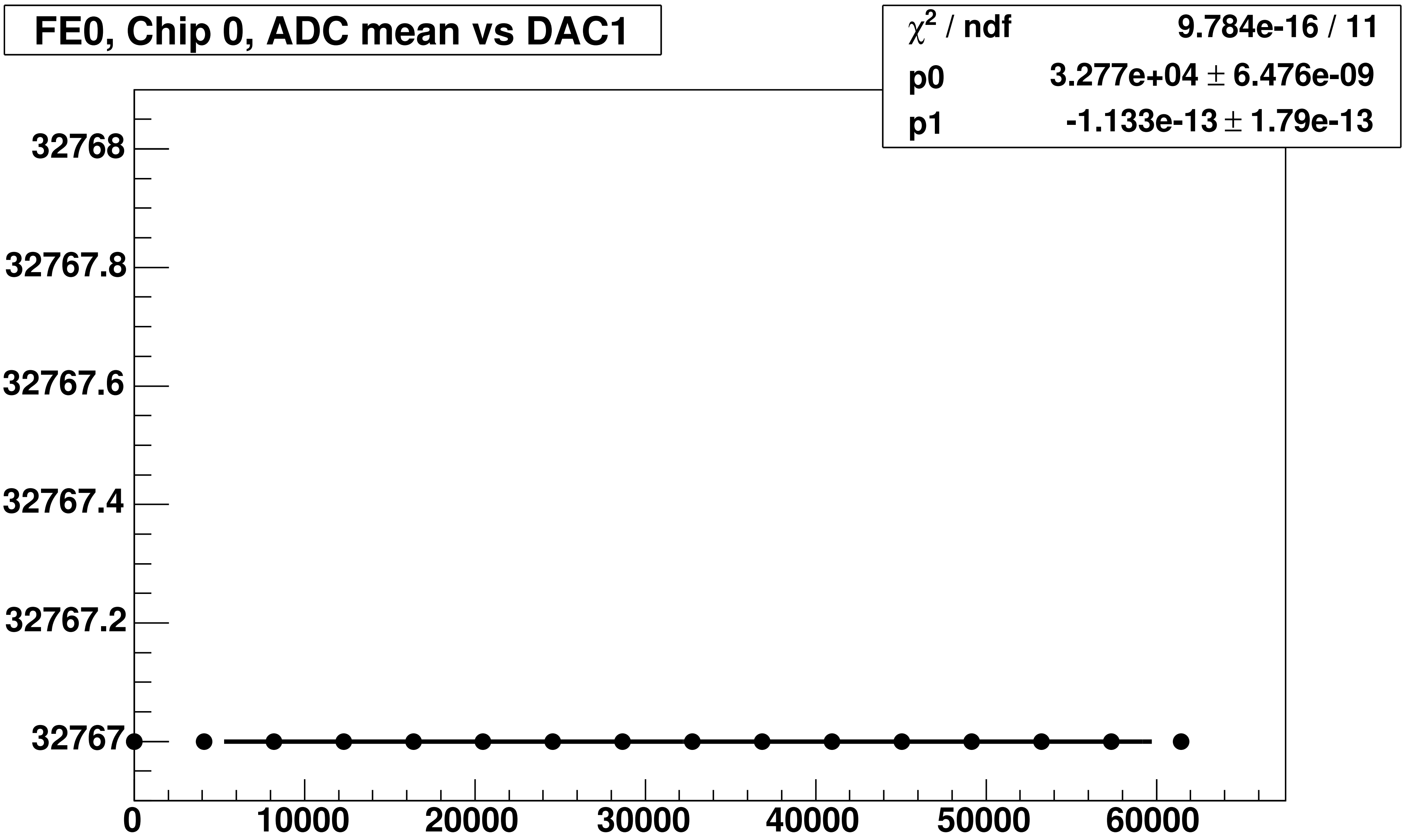
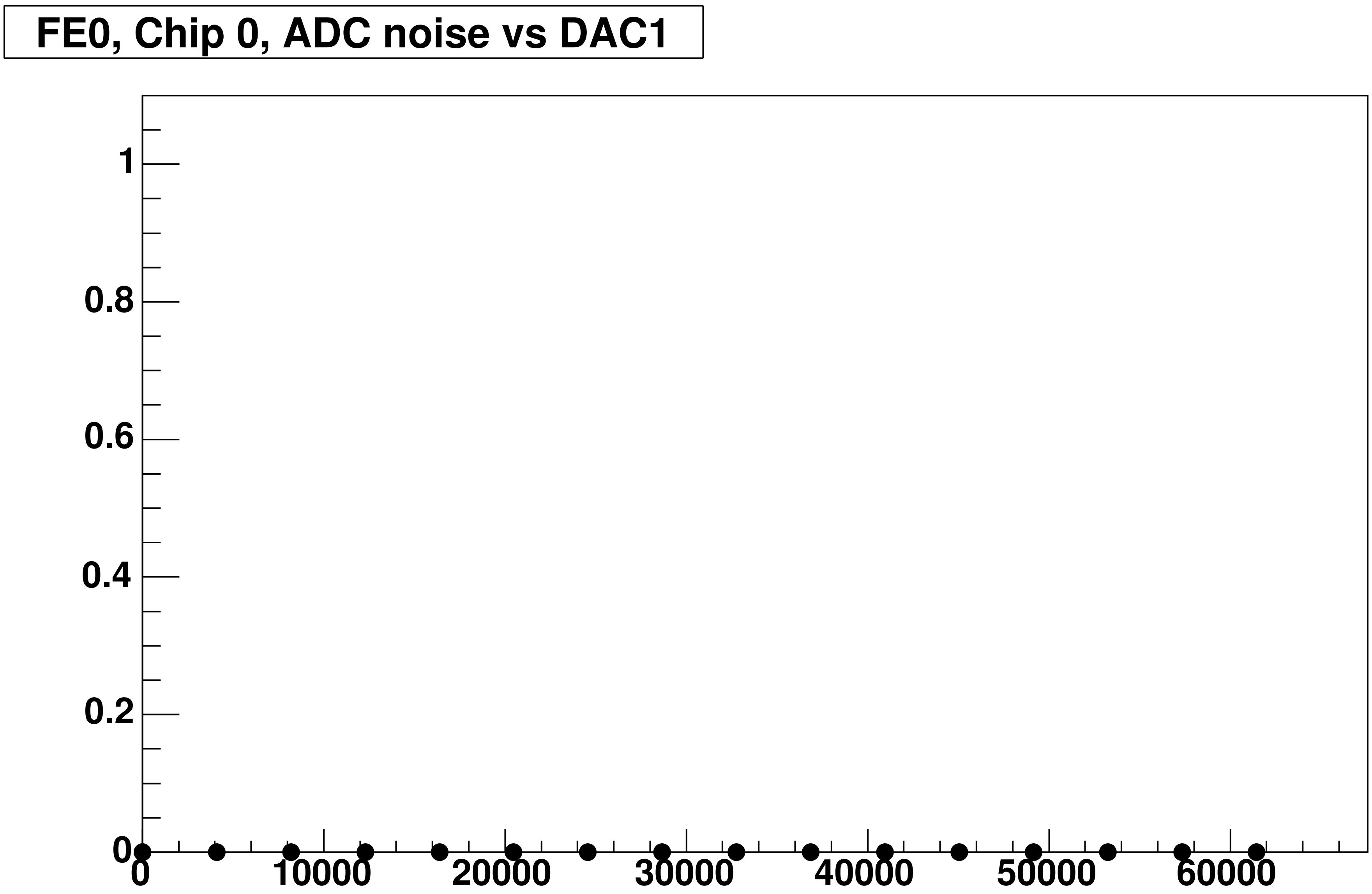


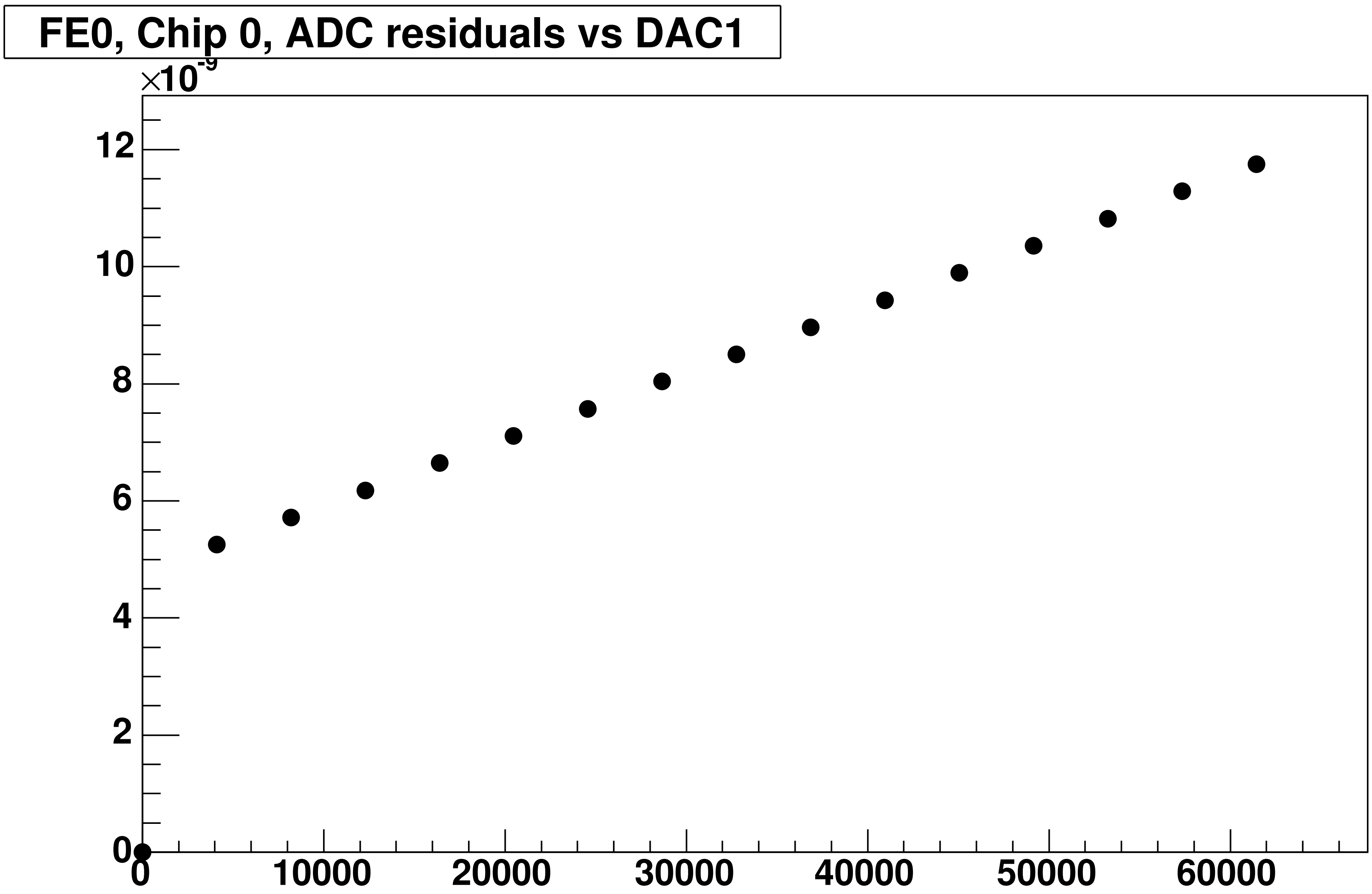
FE0, Chip 0, ADC mean vs DAC0
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000


FE0, Chip 0, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

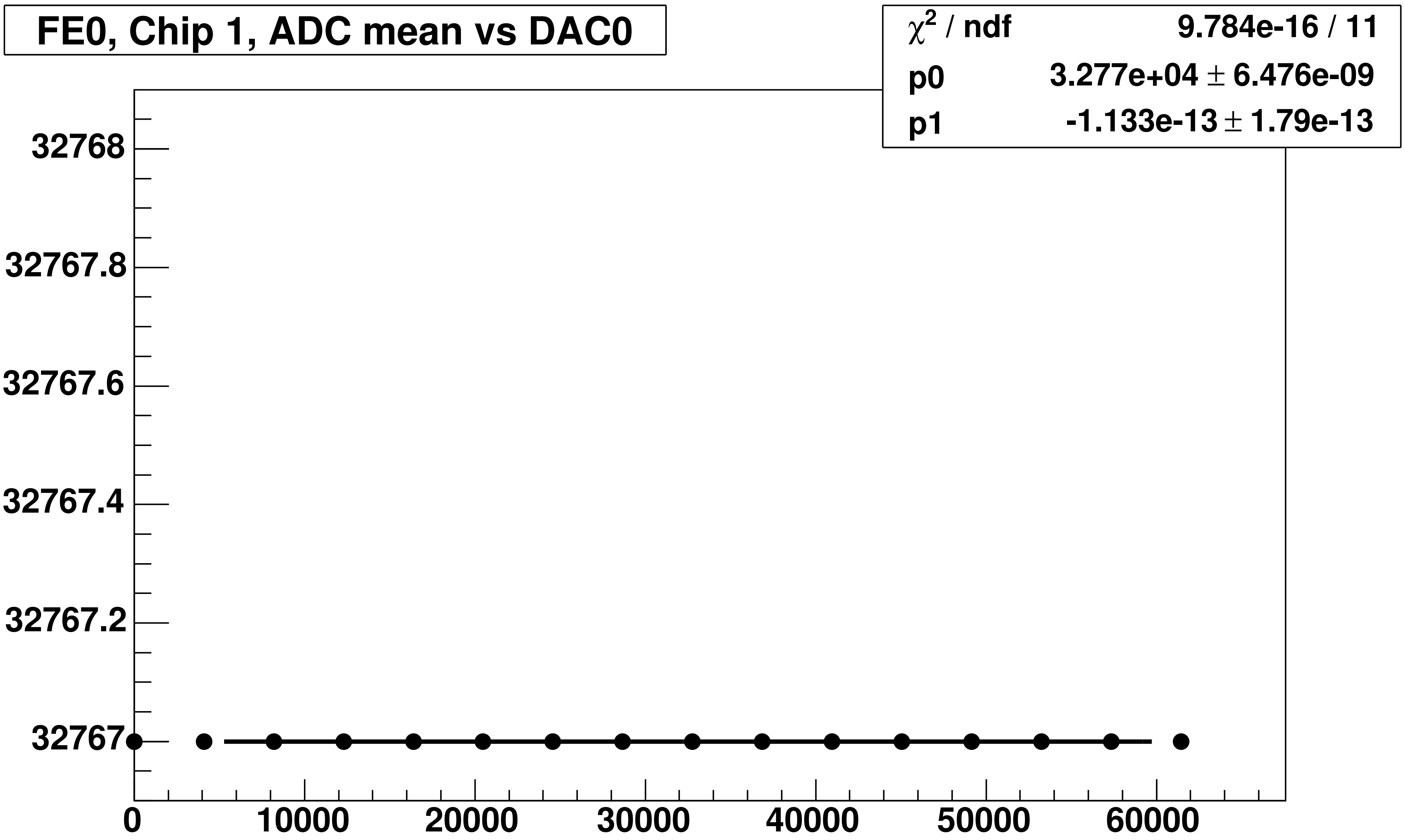

FE0, Chip 0, ADC residuals vs DAC0
×10^-9
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000

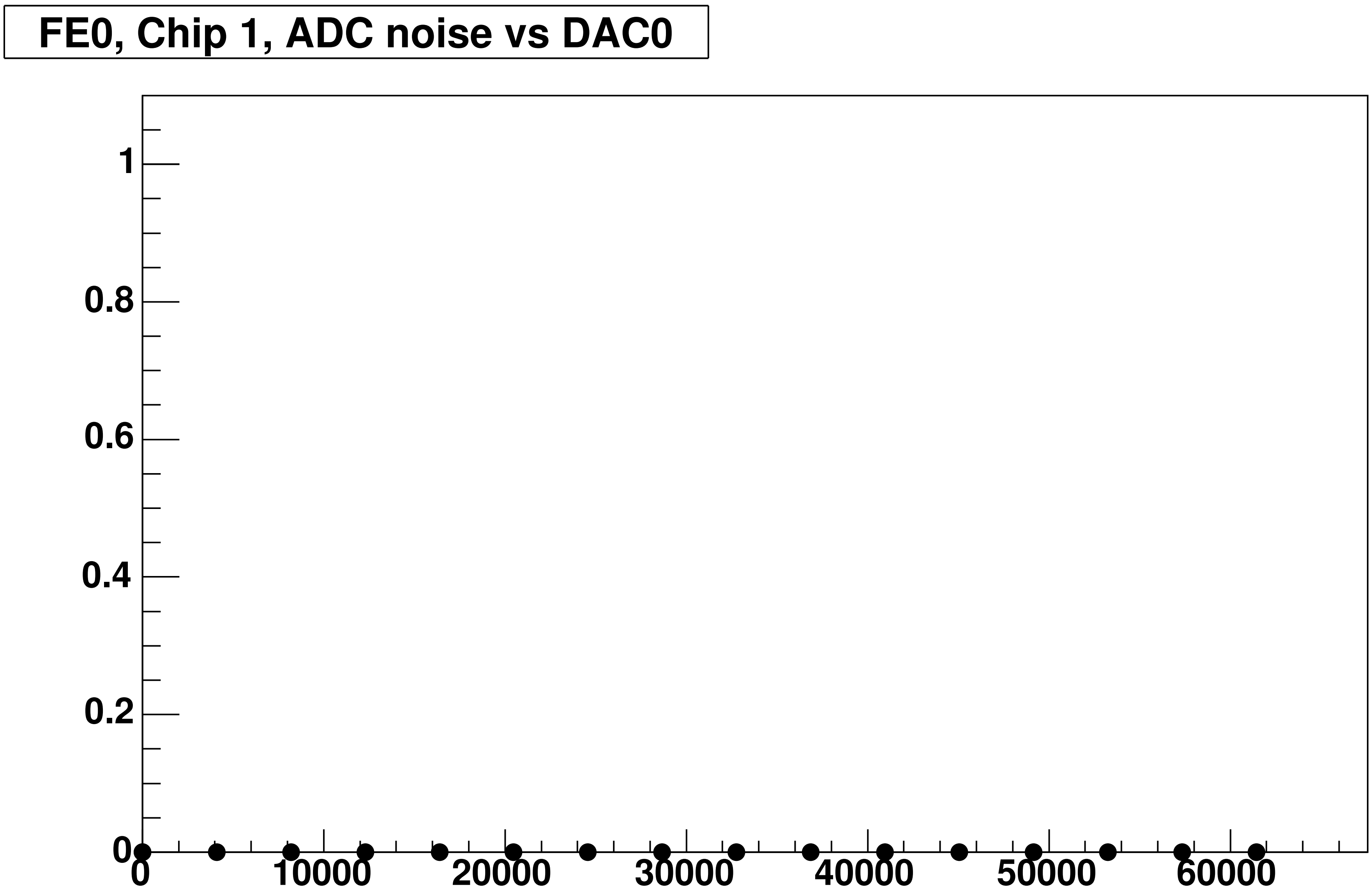

FE0, Chip 0, ADC mean vs DAC1
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

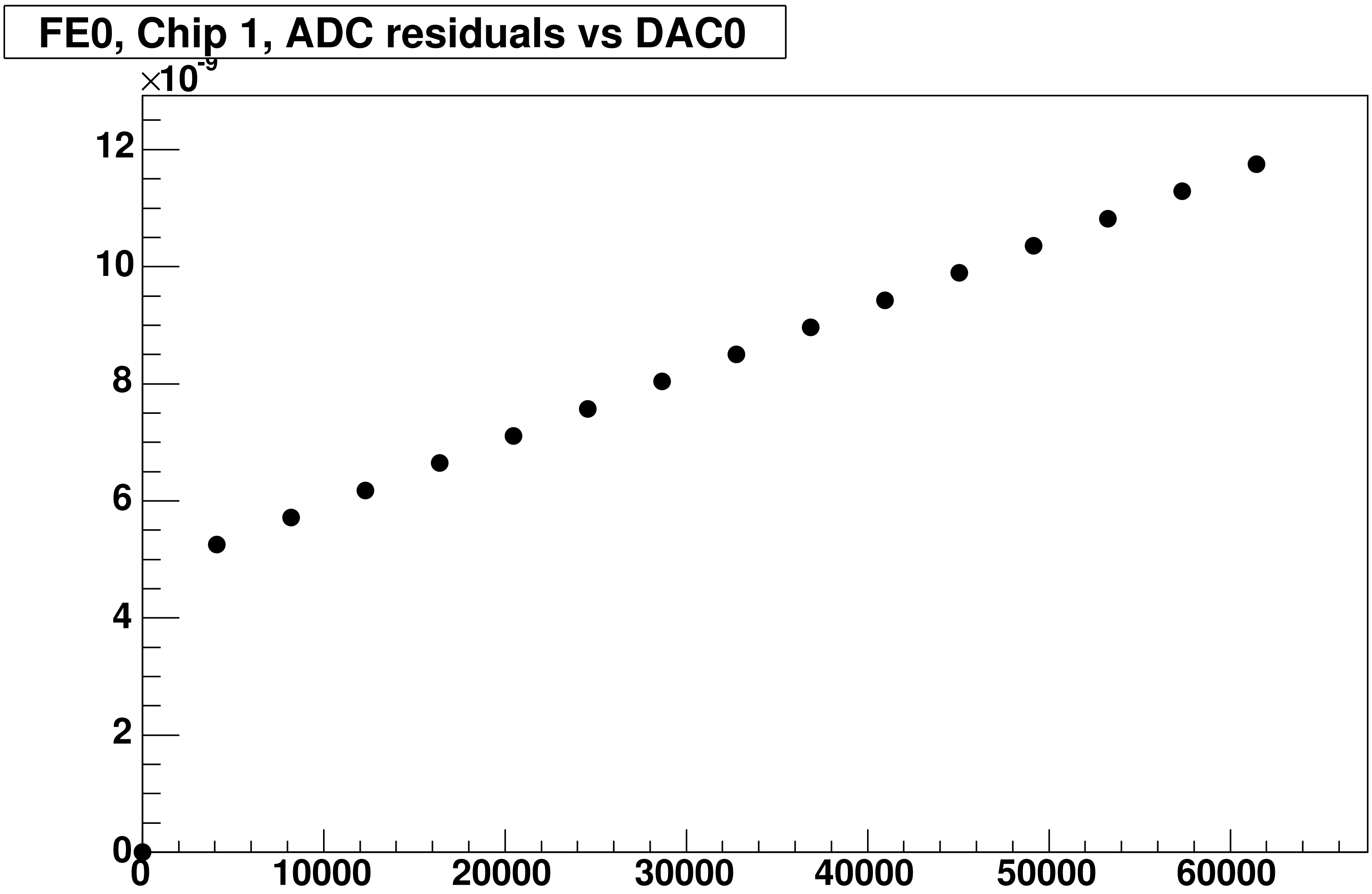

FE0, Chip 0, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

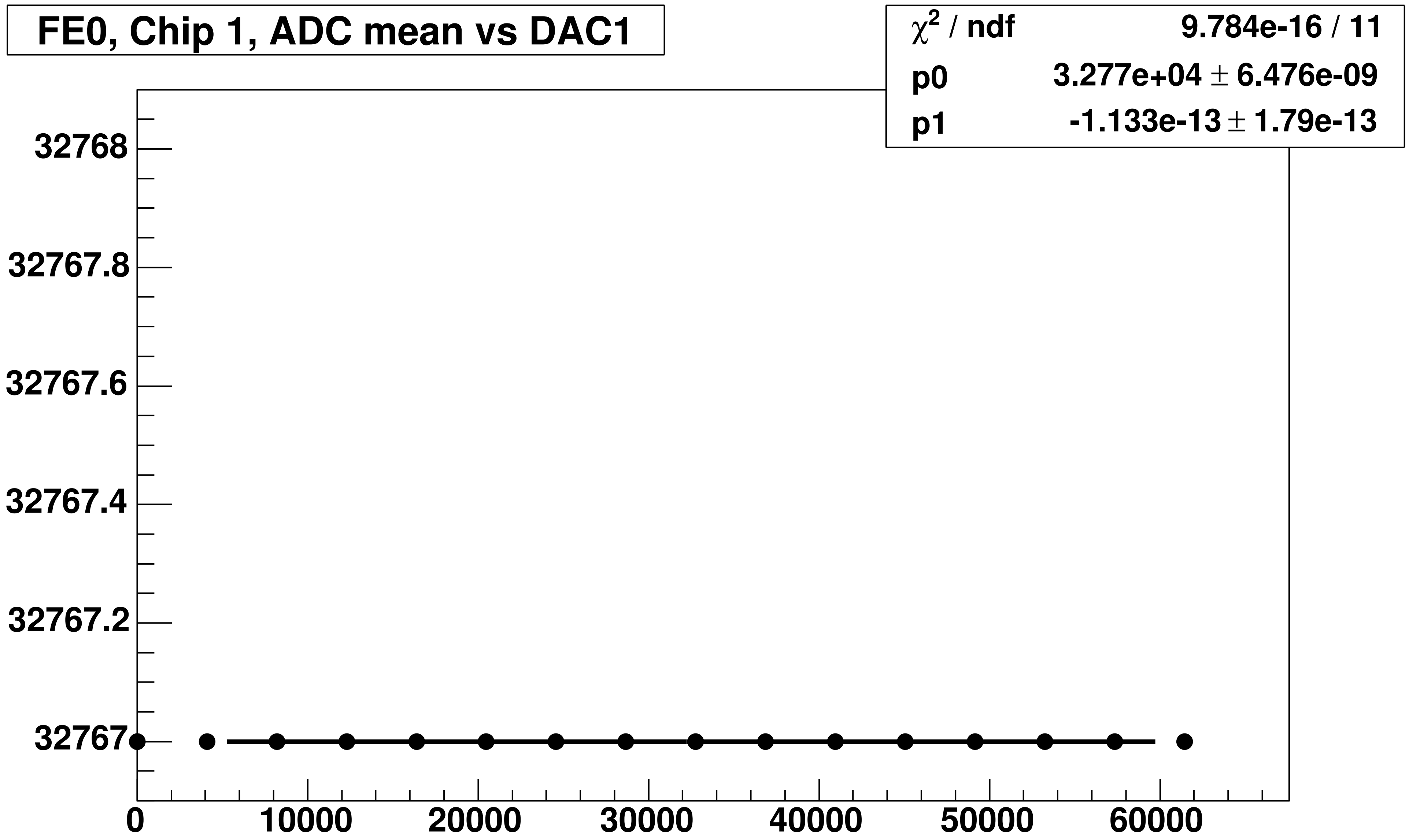


FE0, Chip 0, ADC residuals vs DAC1
×10^-9
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000

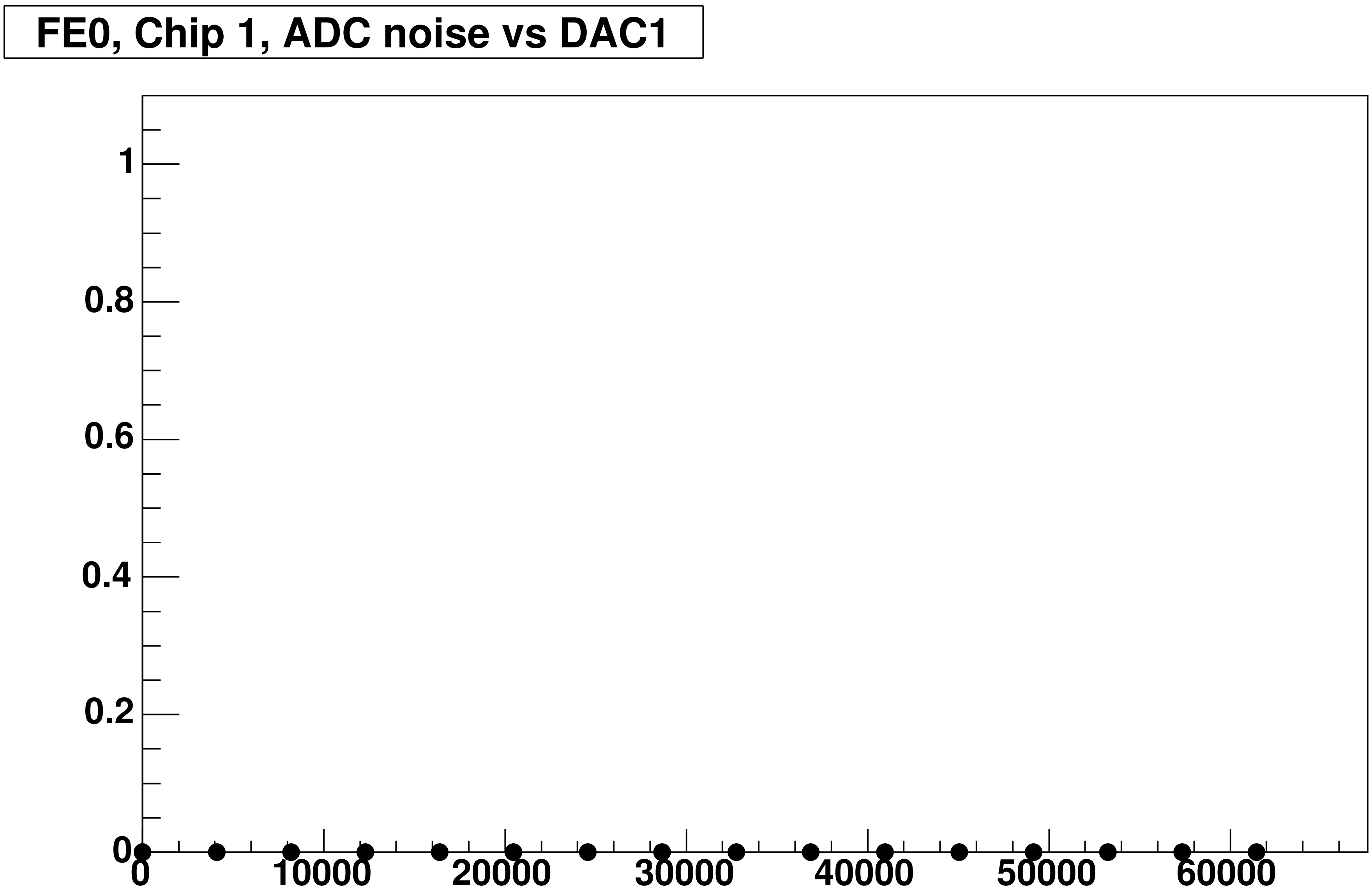

FE0, Chip 1, ADC mean vs DAC0
χ2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

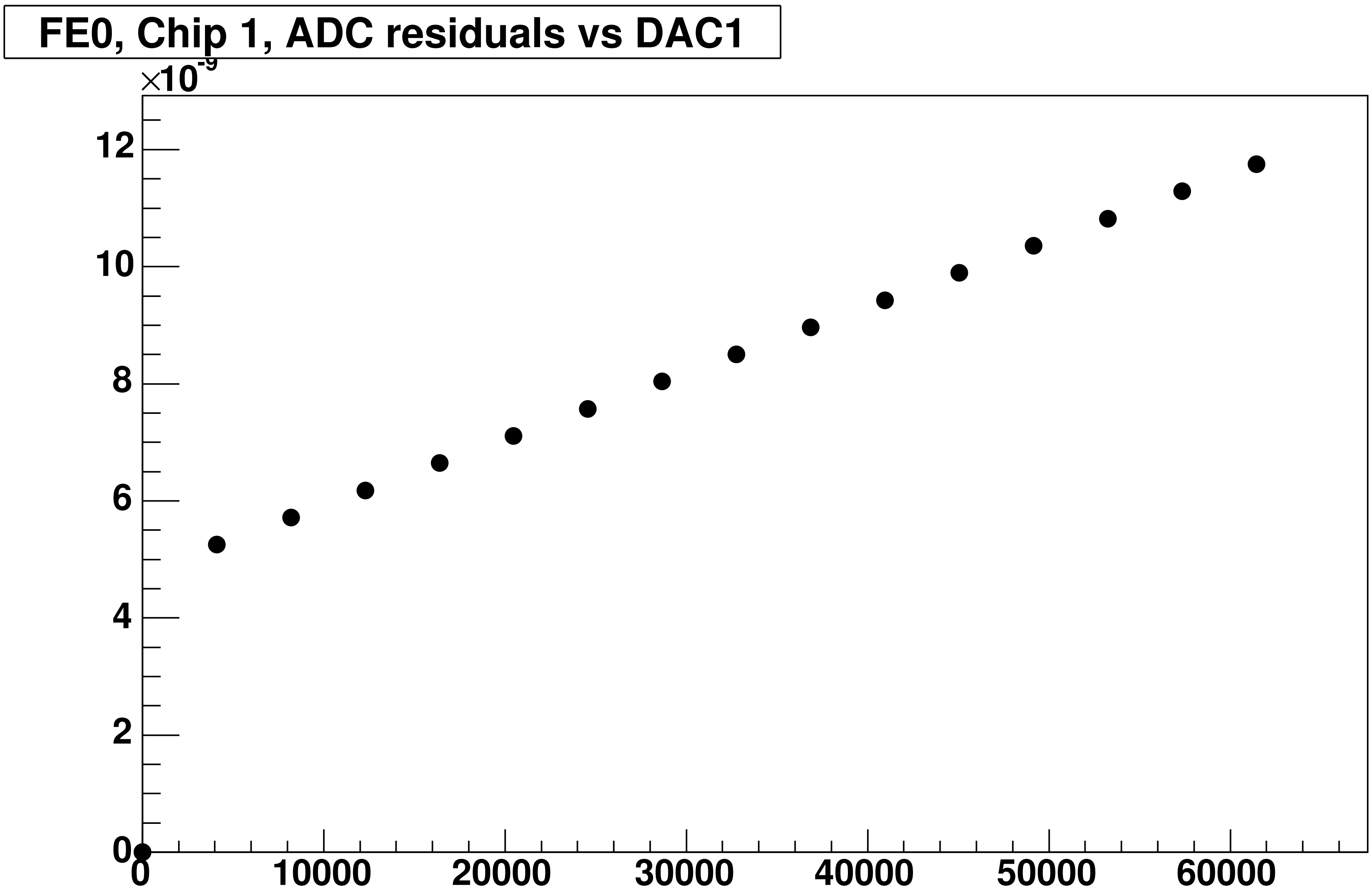

FE0, Chip 1, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE0, Chip 1, ADC residuals vs DAC0
×10^-9
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000

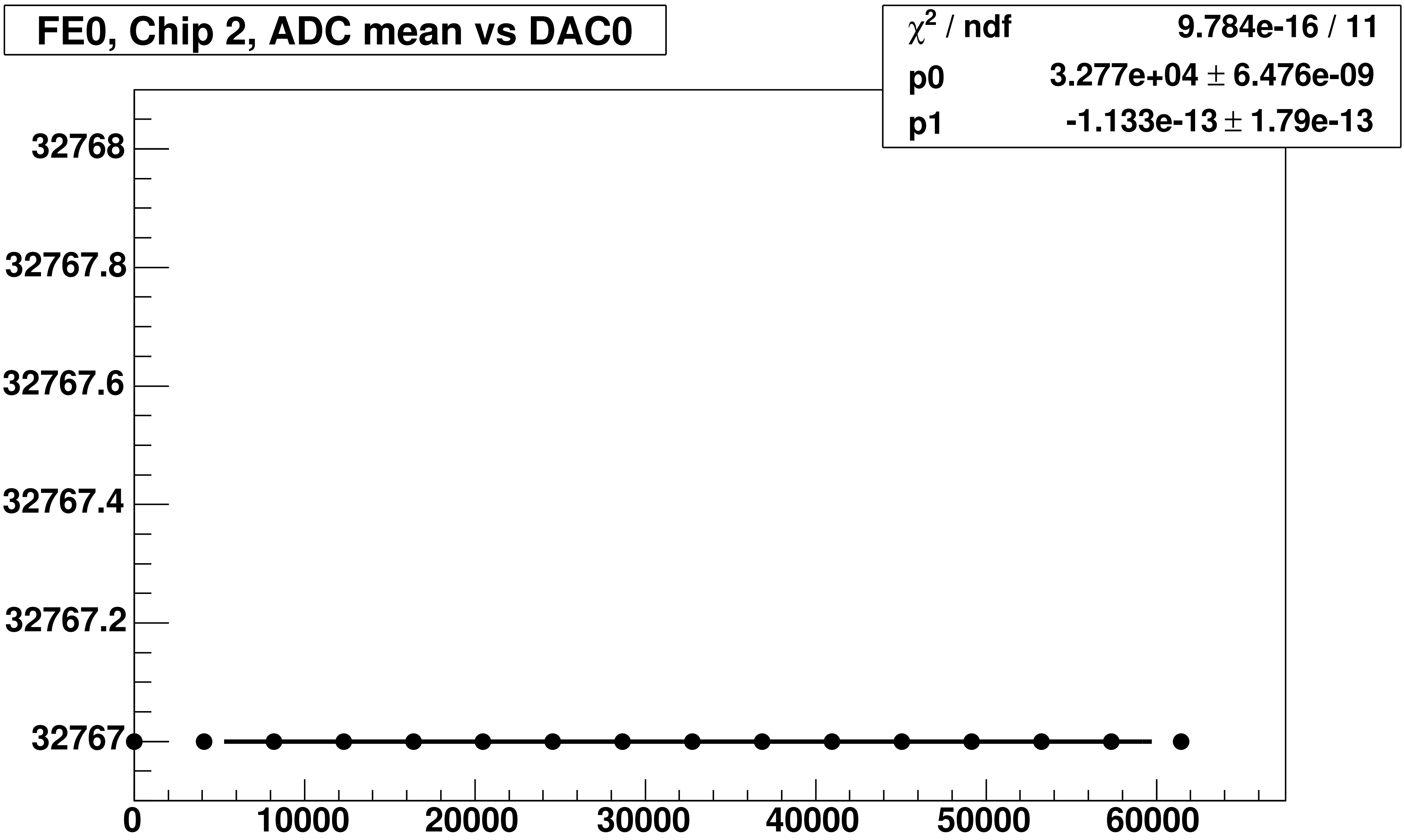


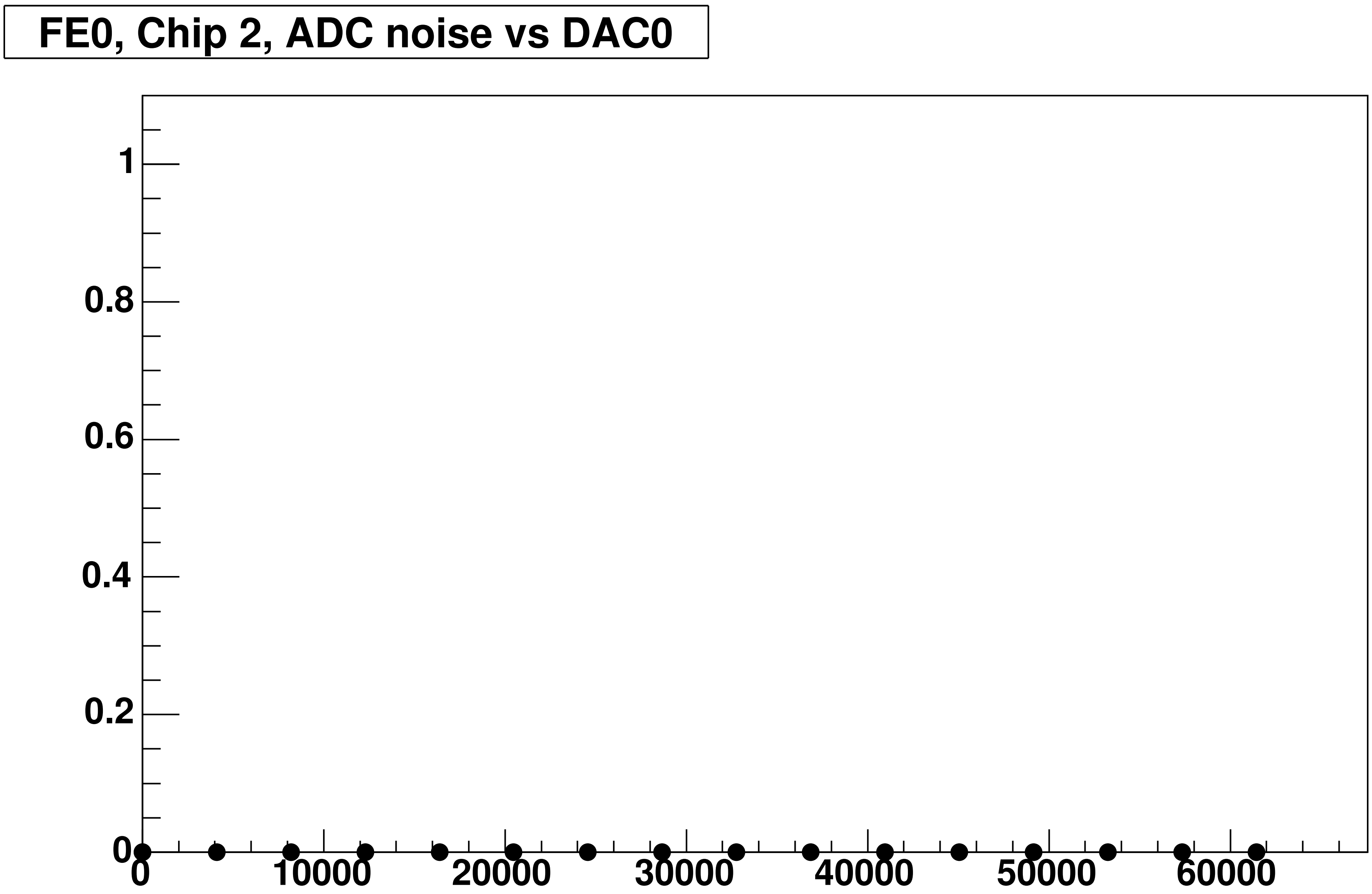
FE0, Chip 1, ADC mean vs DAC1
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

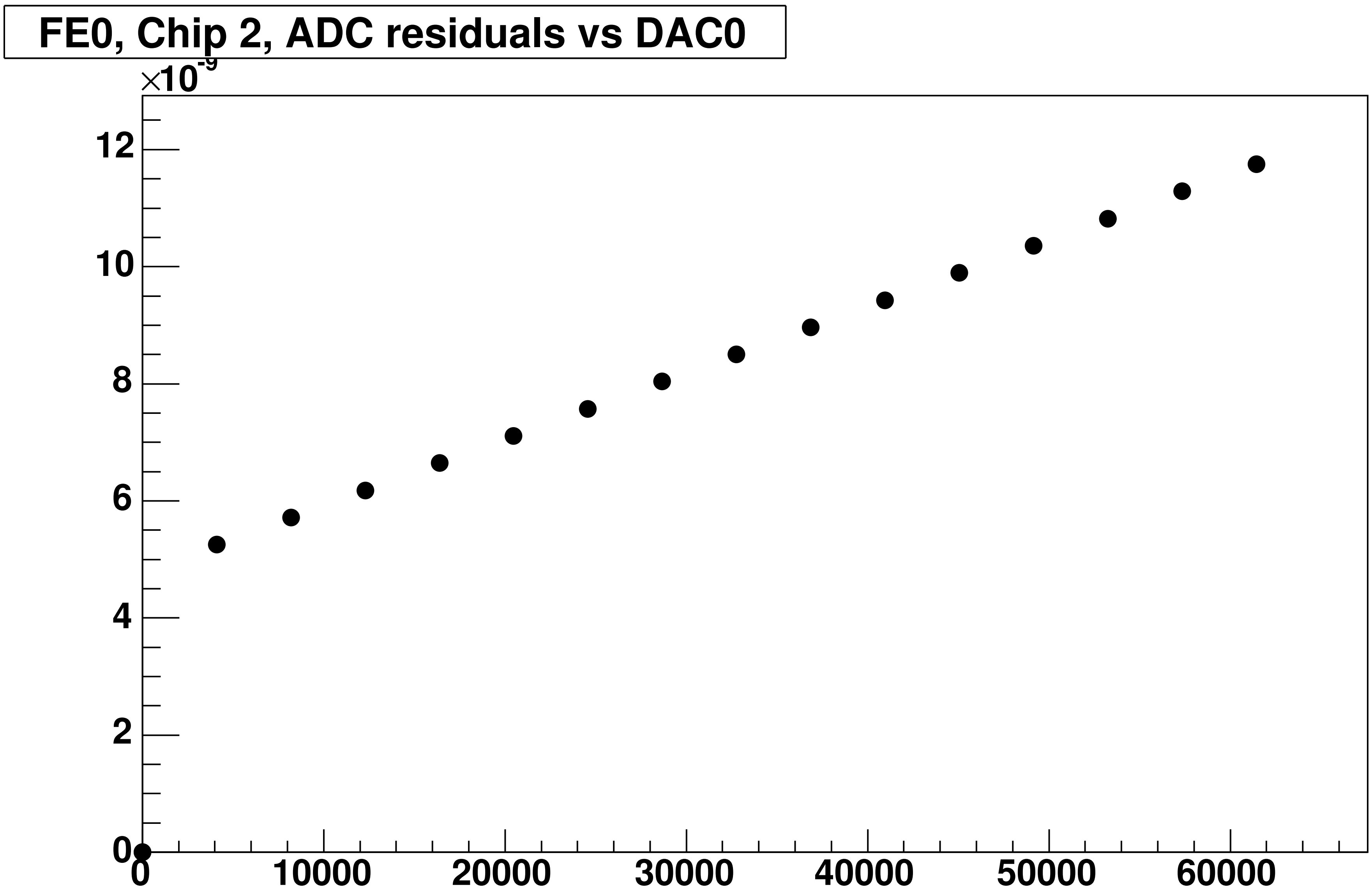

FE0, Chip 1, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000



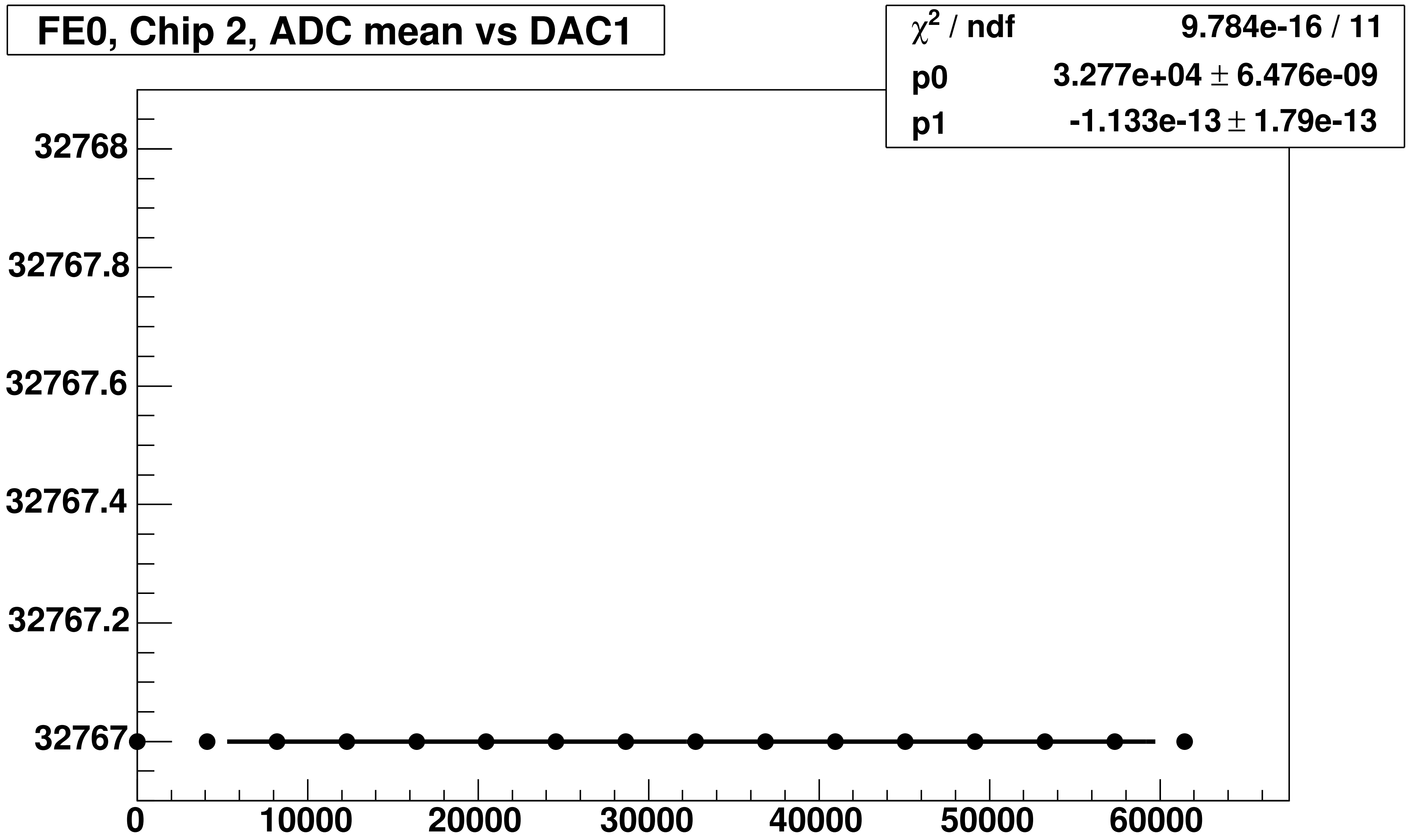
FE0, Chip 1, ADC residuals vs DAC1
$\times 10^{-9}$
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000


FE0, Chip 2, ADC mean vs DAC0
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

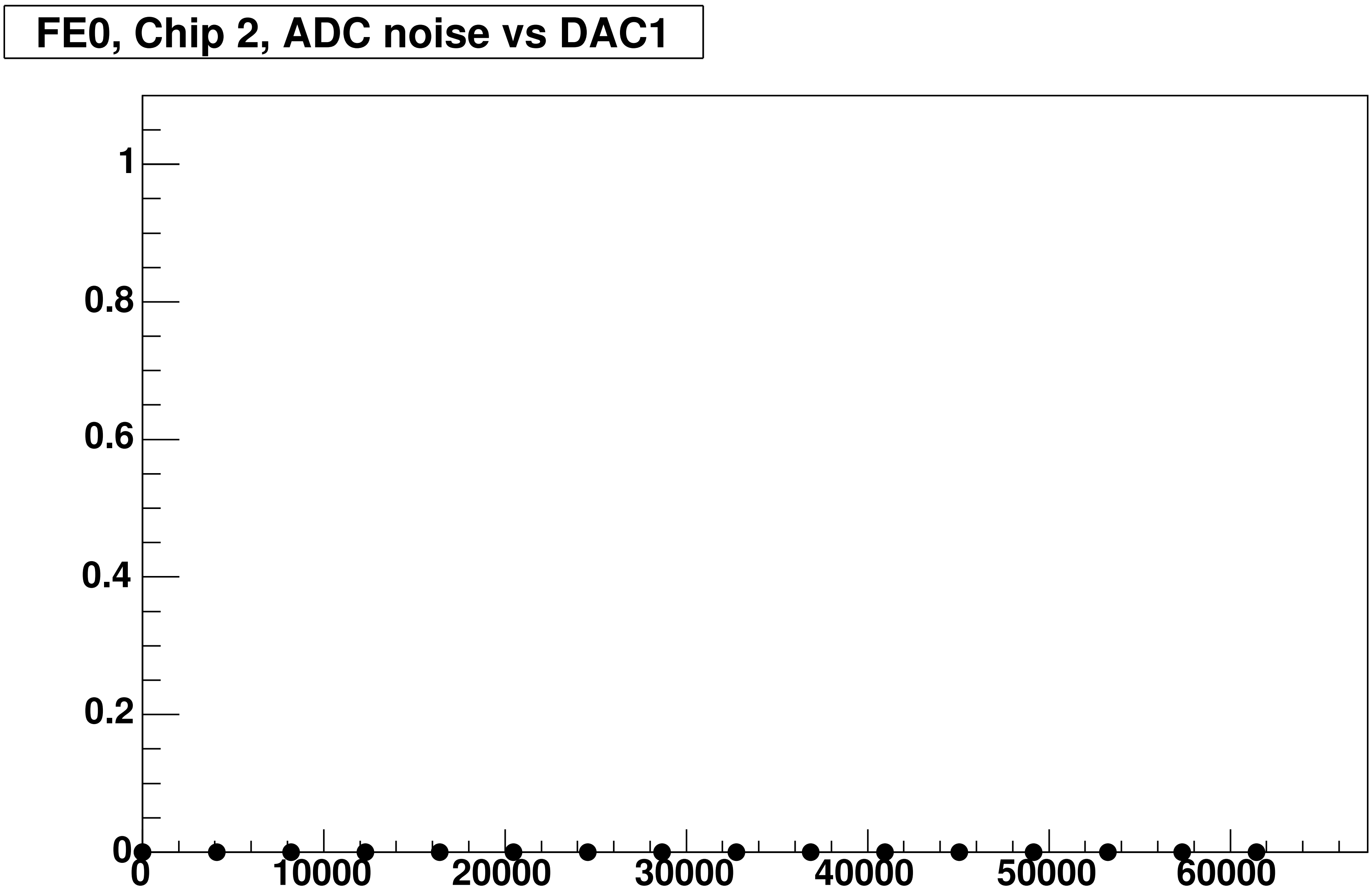

FE0, Chip 2, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

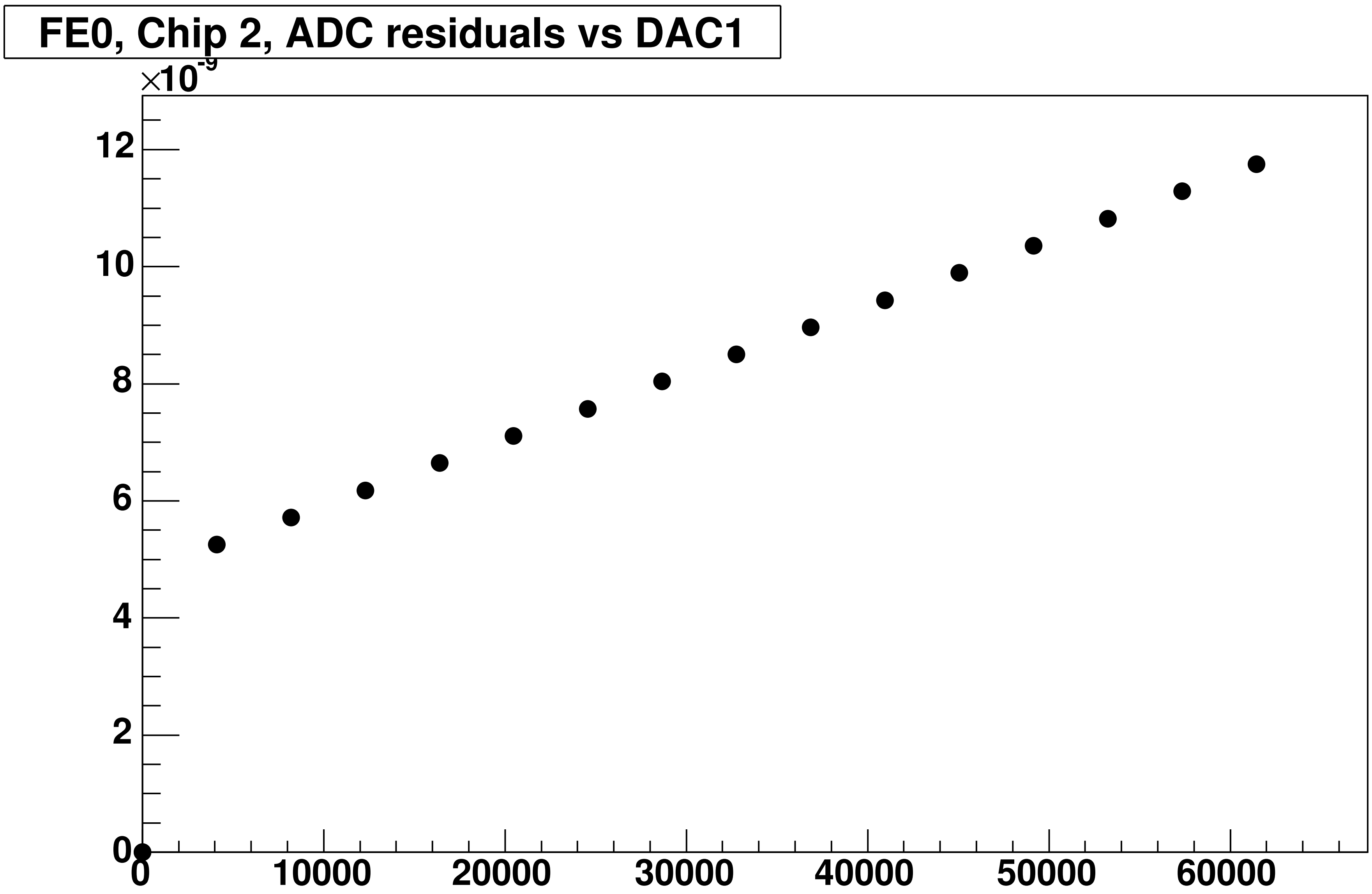


FE0, Chip 2, ADC residuals vs DAC0
×10^-9
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000

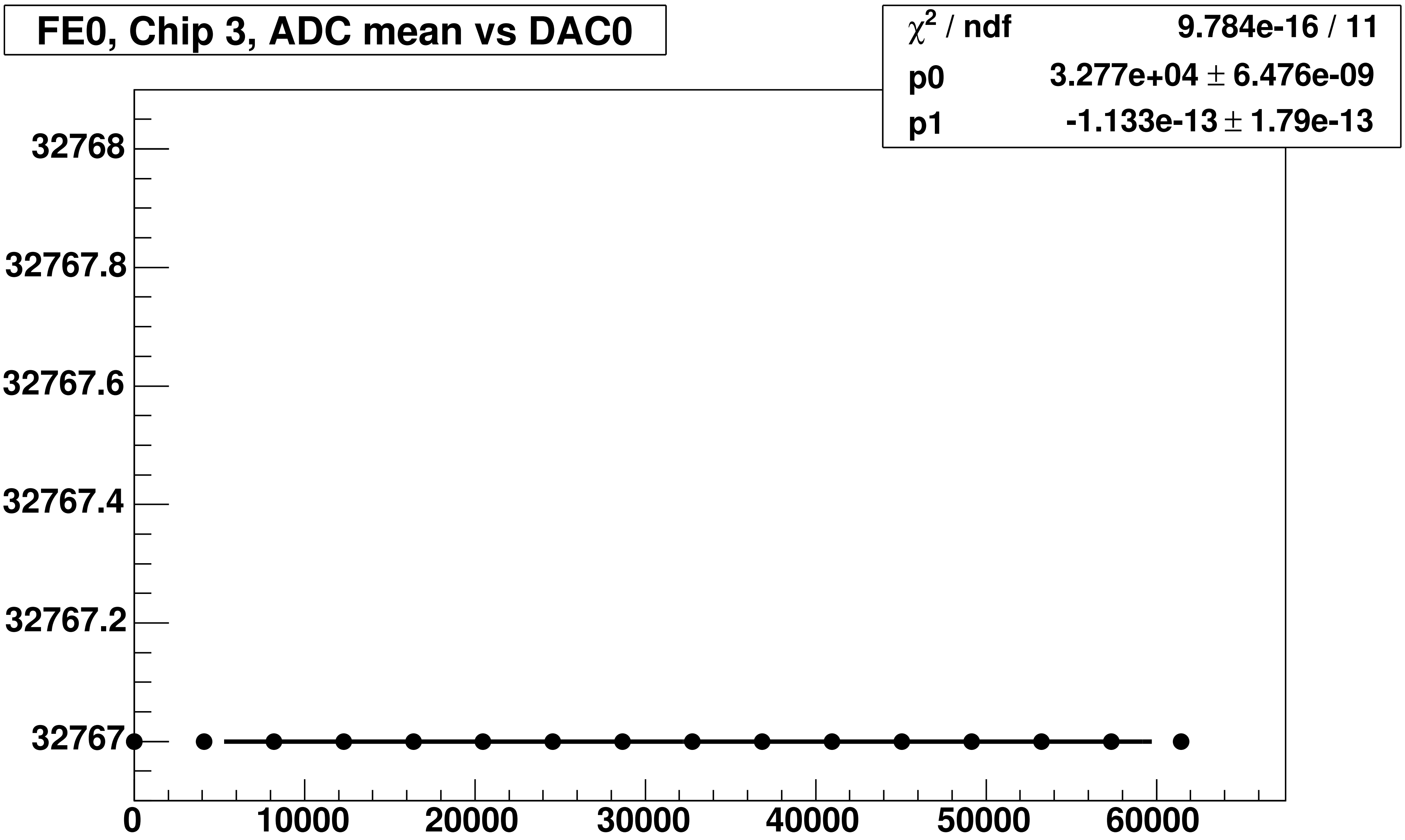


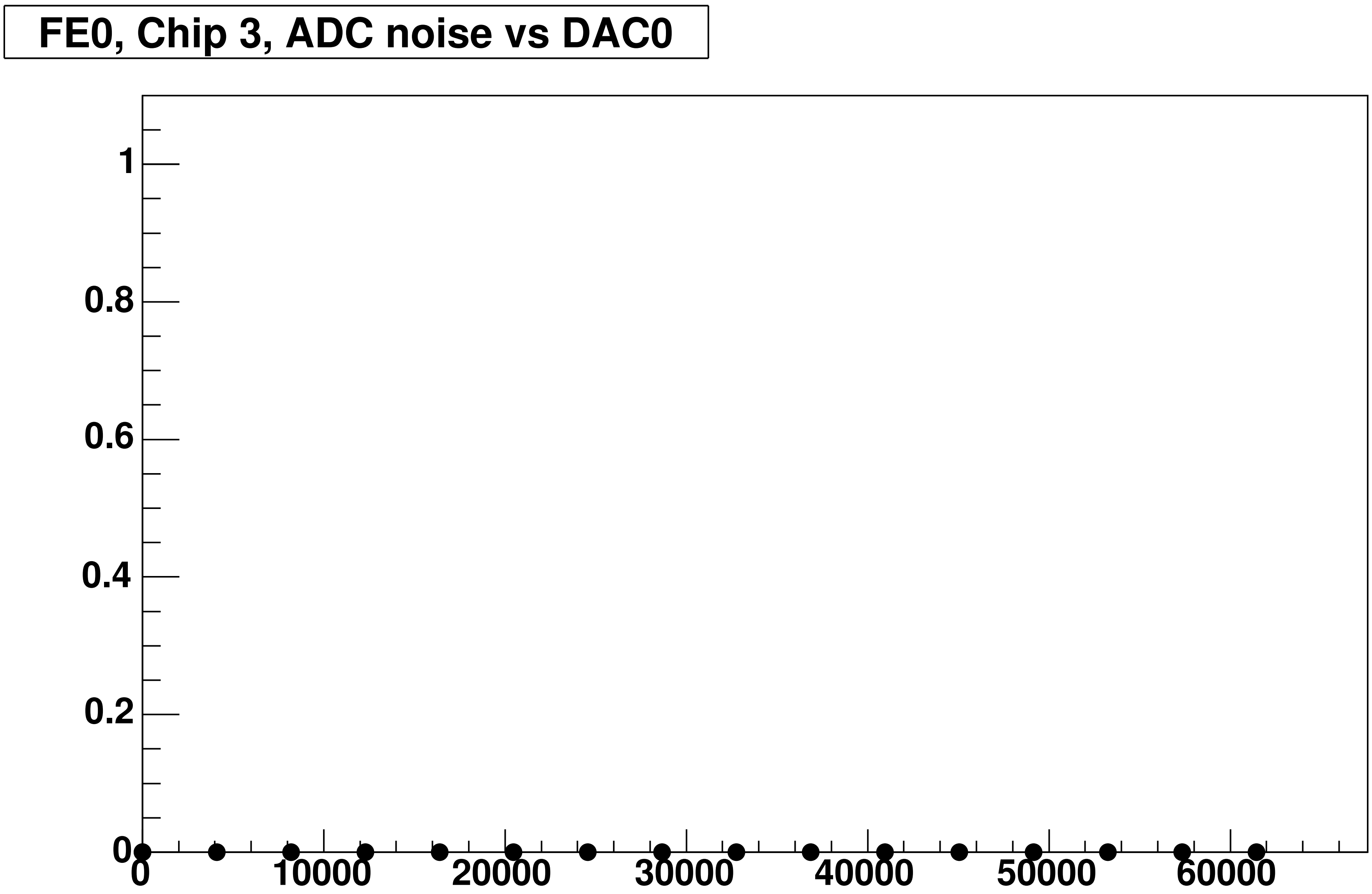
FE0, Chip 2, ADC mean vs DAC1
χ2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

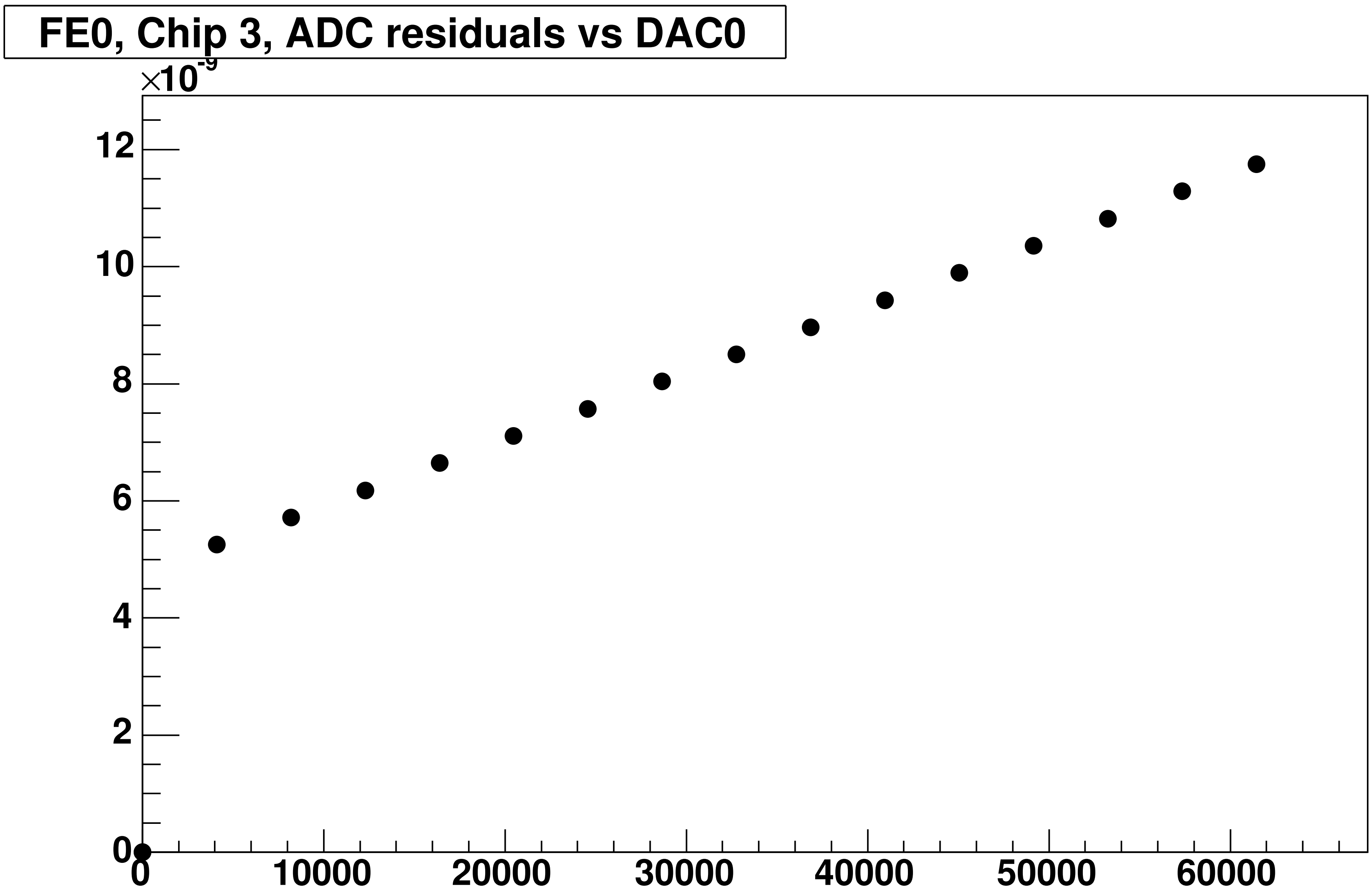

FE0, Chip 2, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

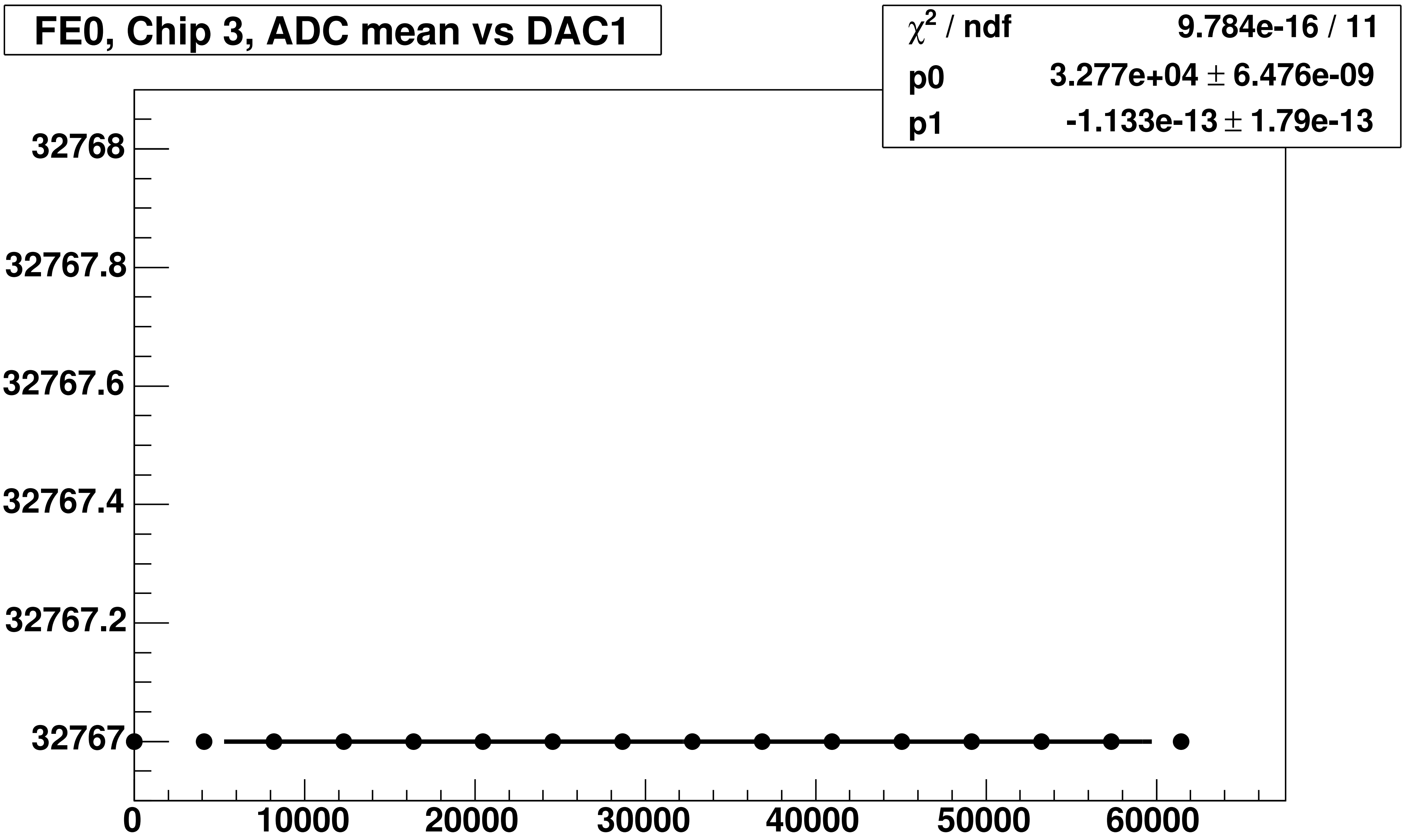


FE0, Chip 2, ADC residuals vs DAC1
×10^-9
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000

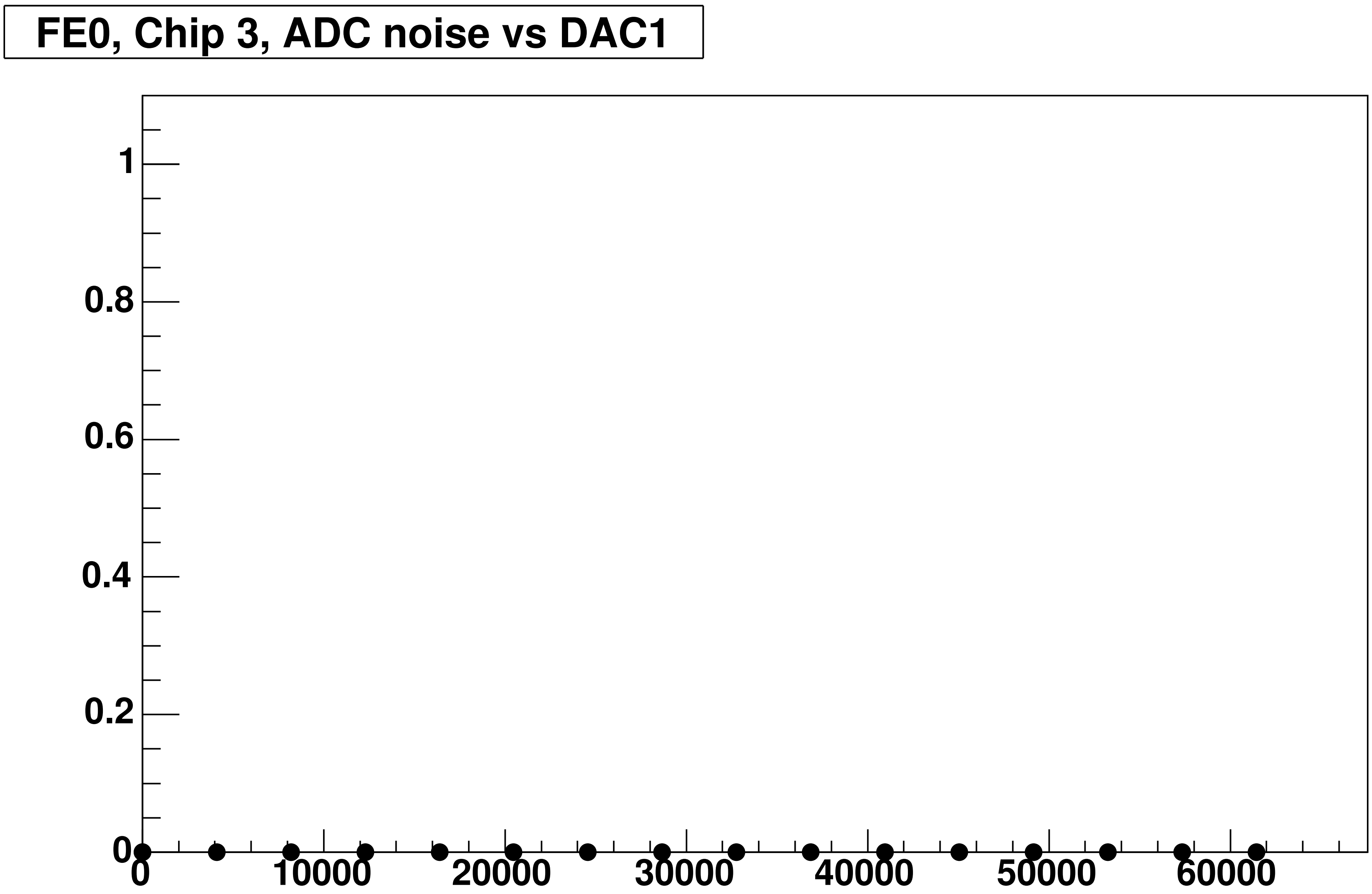

FE0, Chip 3, ADC mean vs DAC0
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

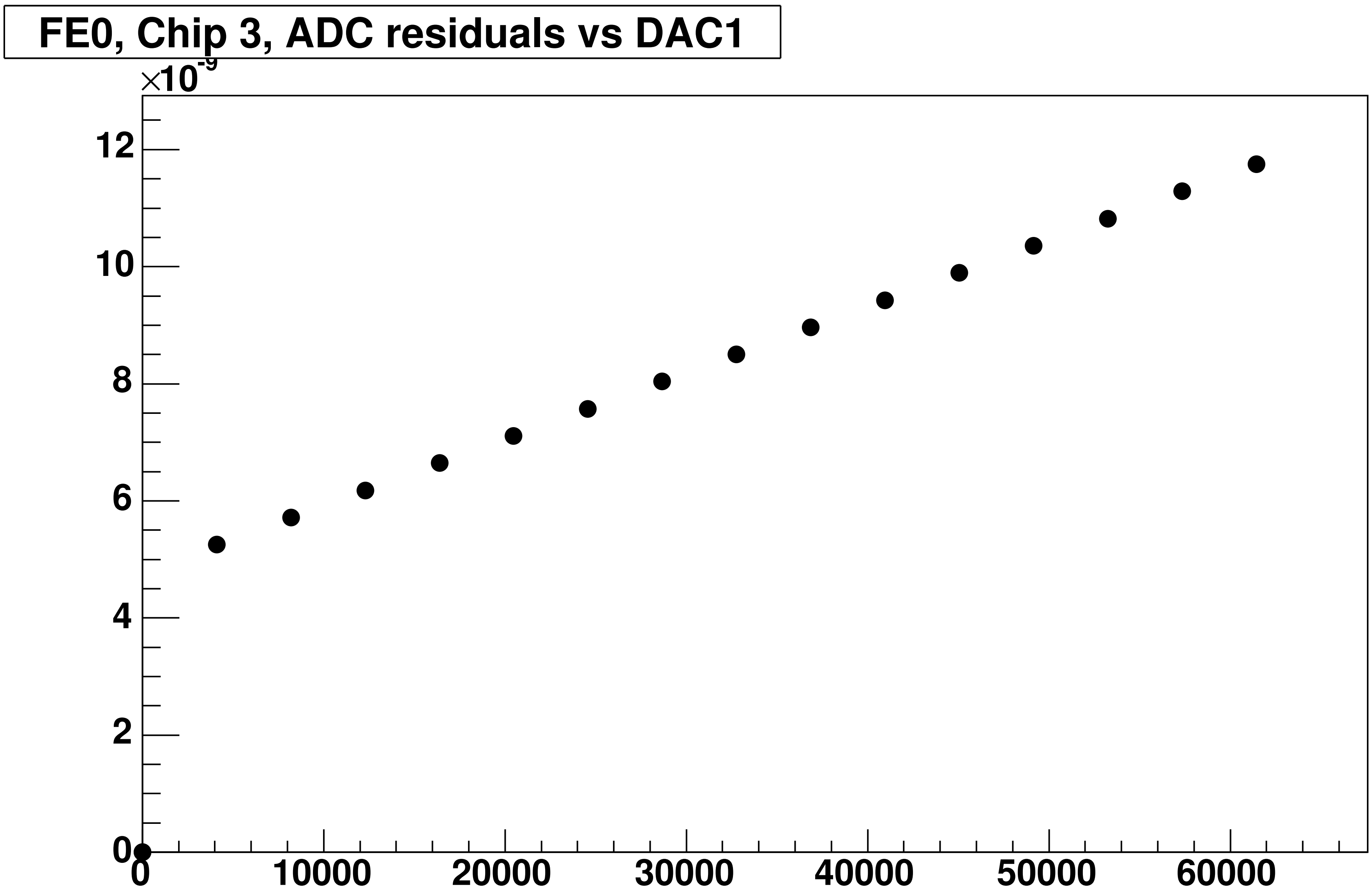

FE0, Chip 3, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

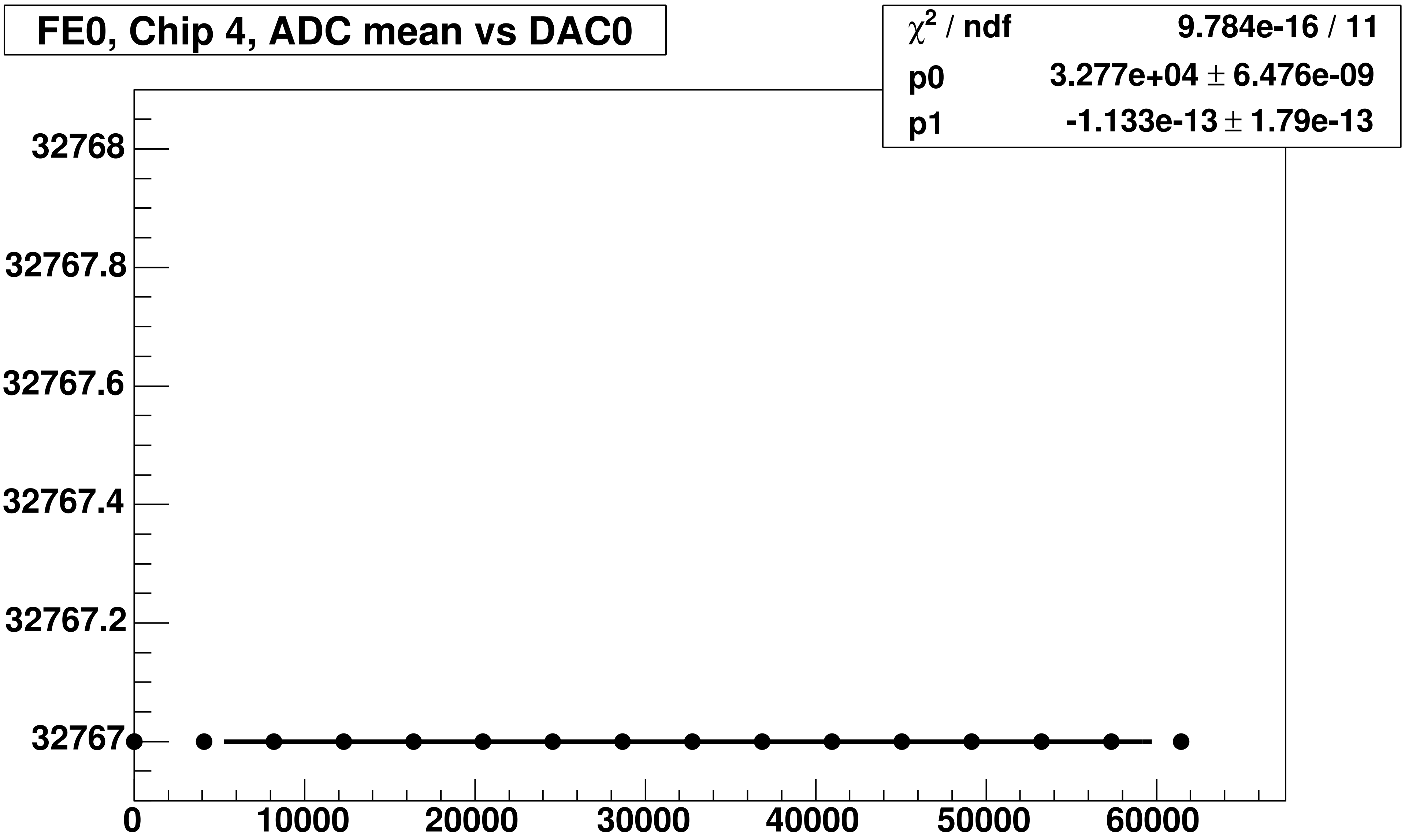

FE0, Chip 3, ADC residuals vs DAC0
×10^-9
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000



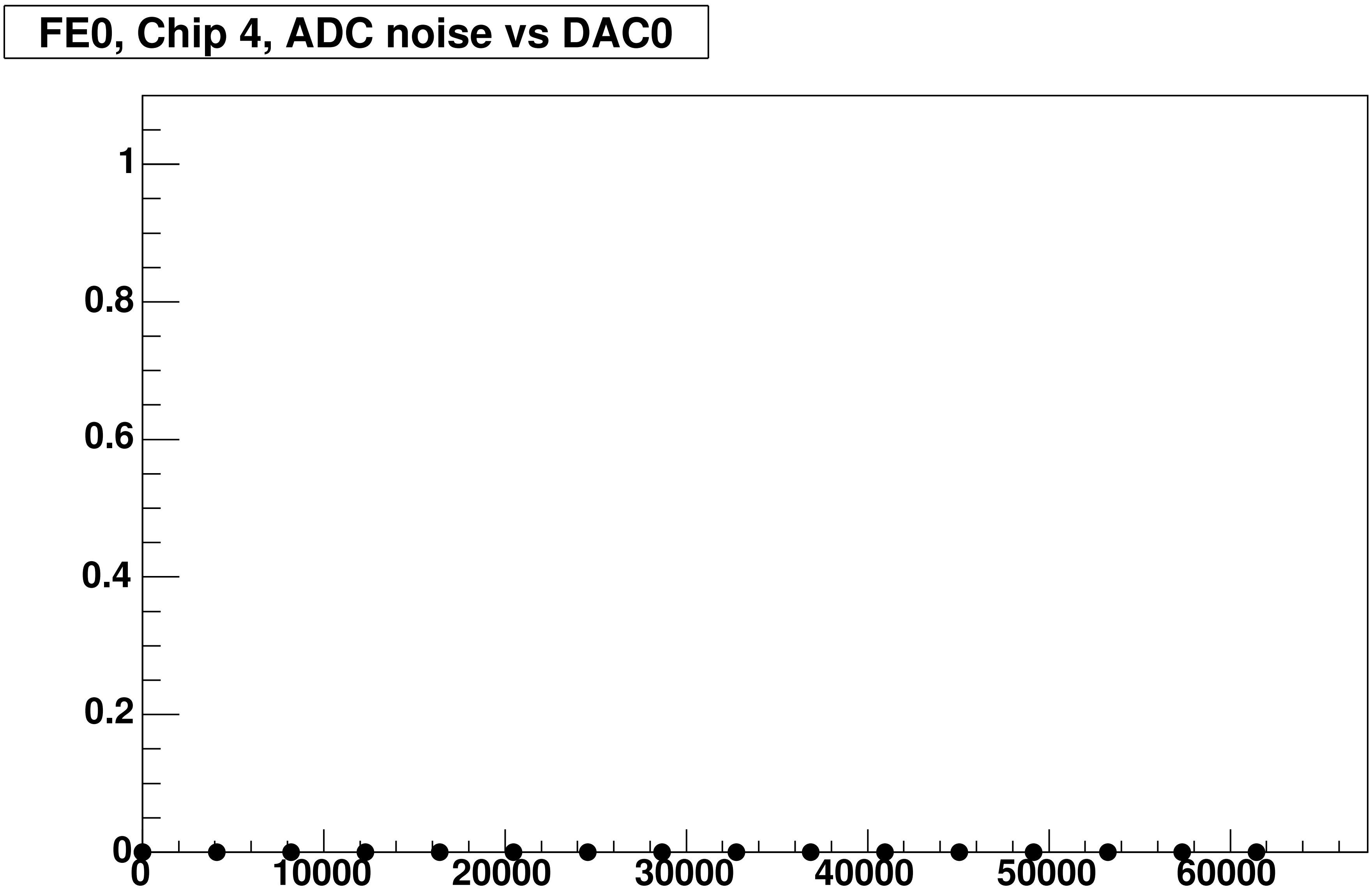
FE0, Chip 3, ADC mean vs DAC1
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

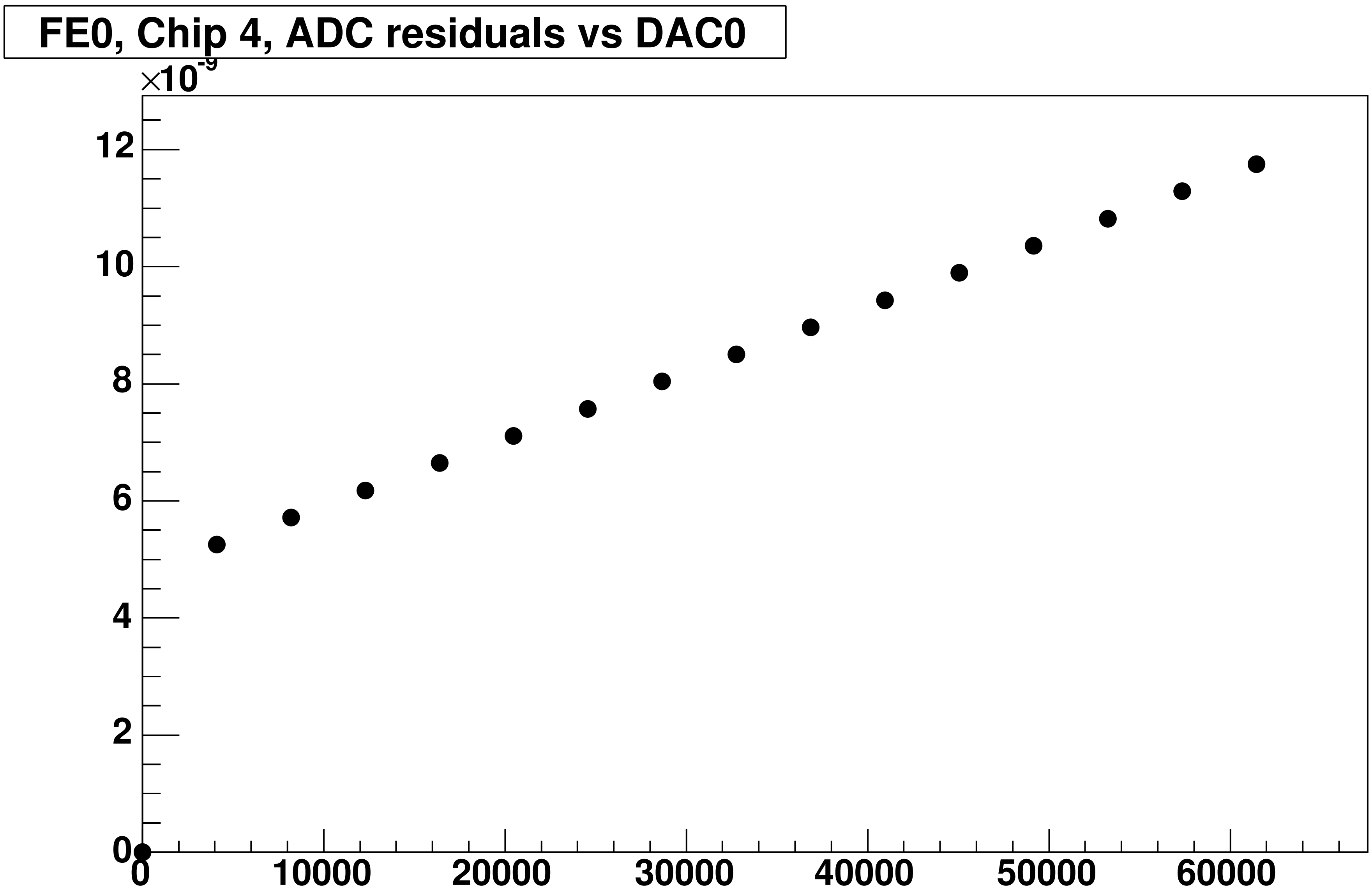

FE0, Chip 3, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

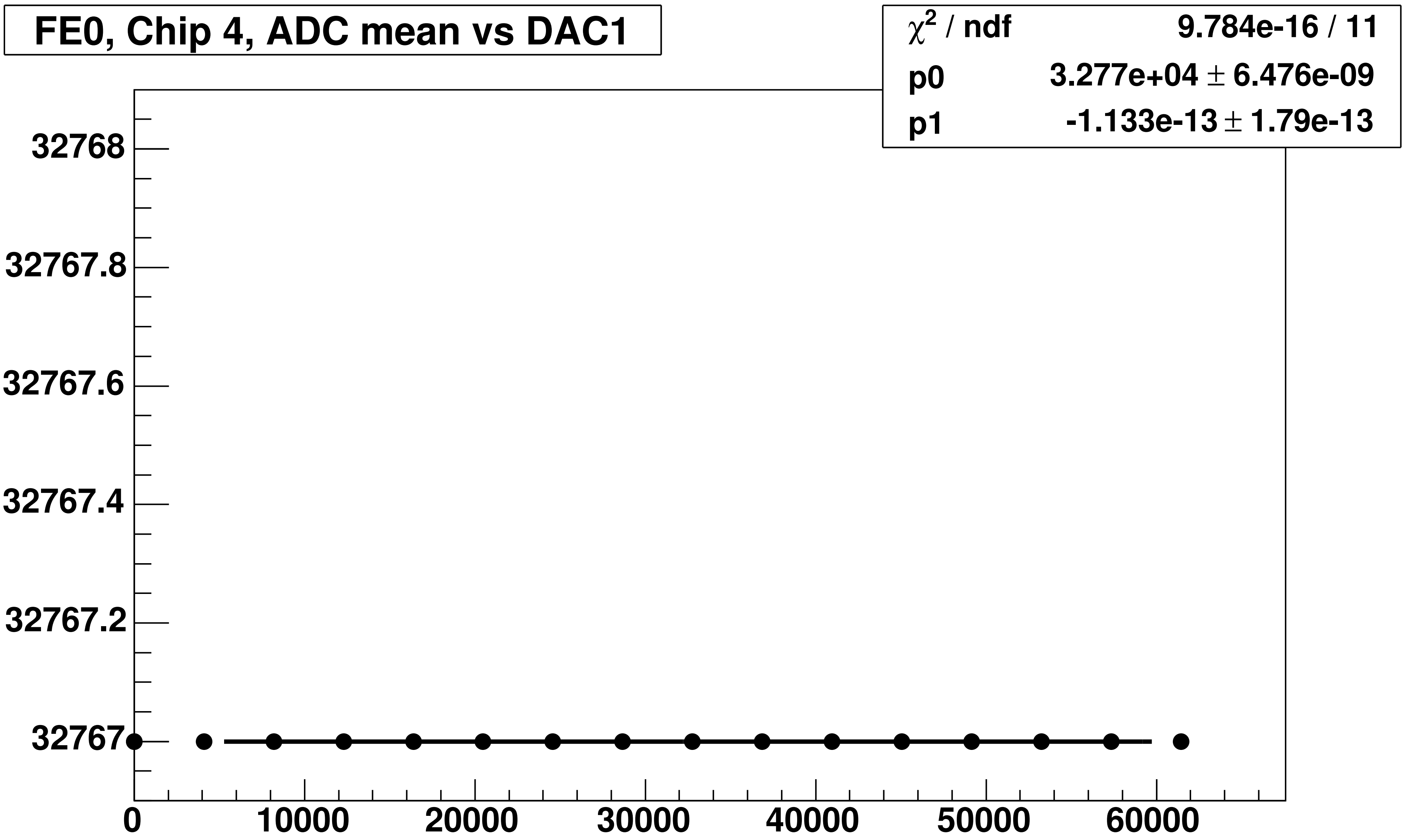

FE0, Chip 3, ADC residuals vs DAC1
×10⁻⁹
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000



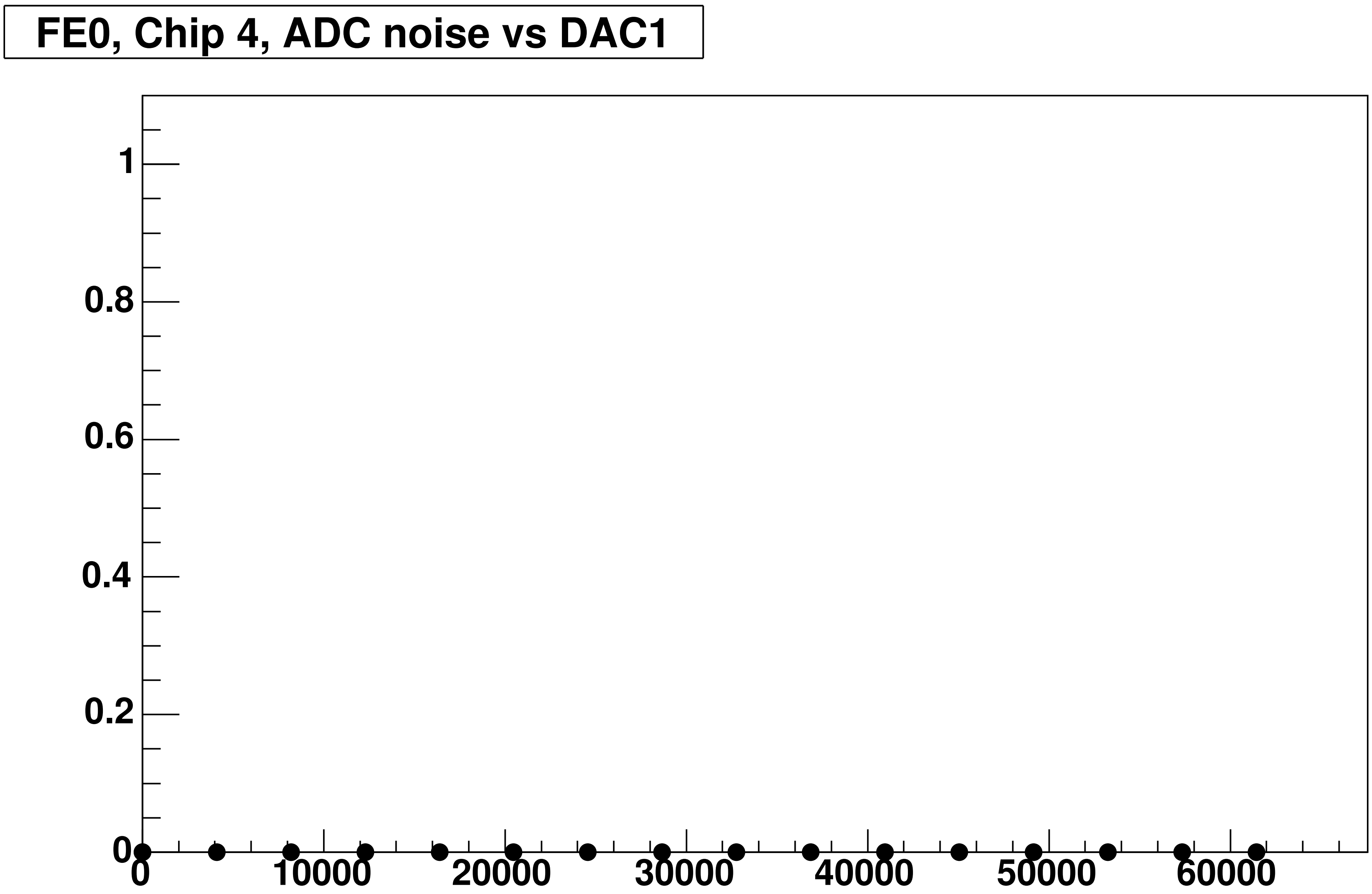
FE0, Chip 4, ADC mean vs DAC0
χ² / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

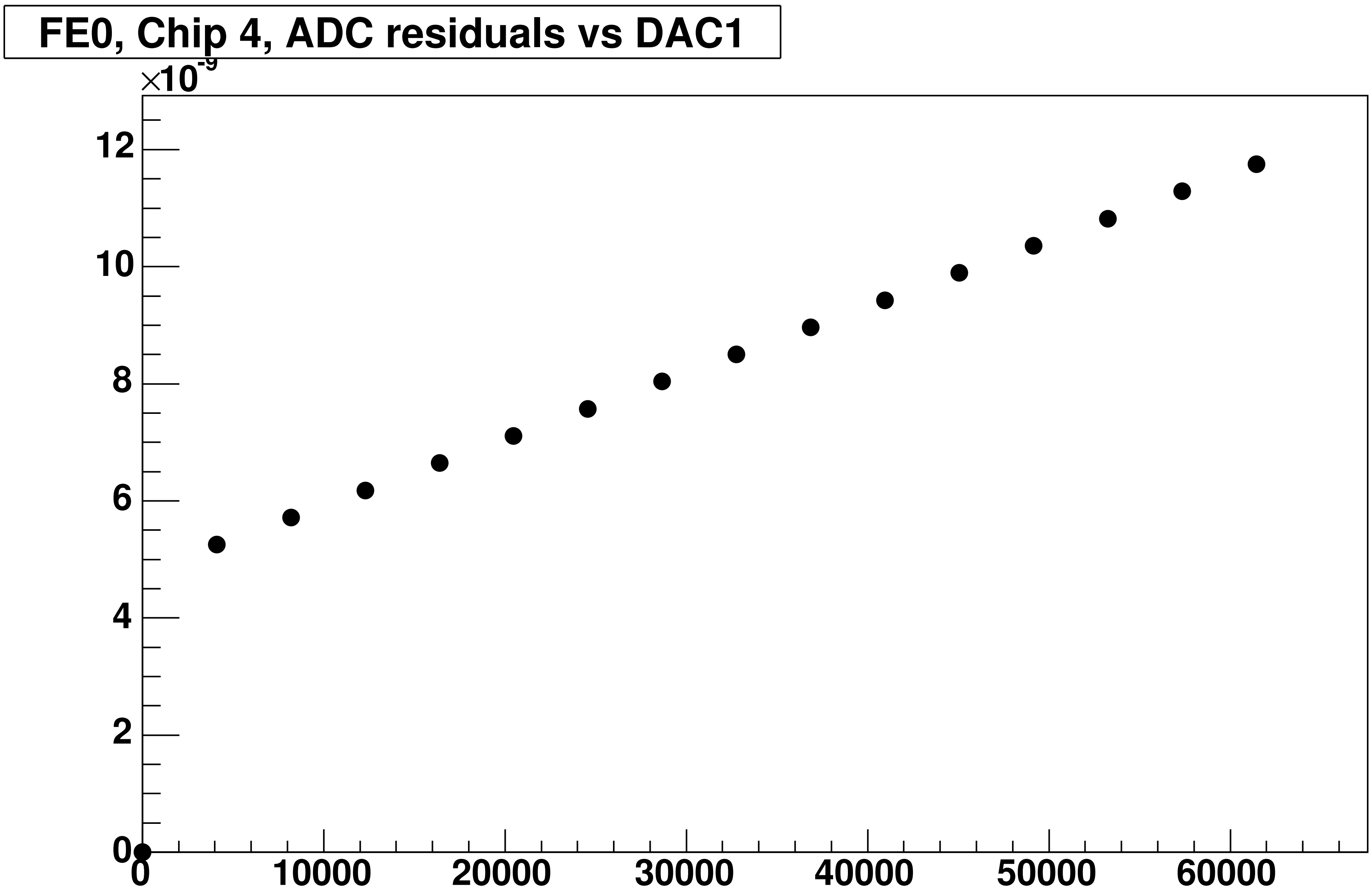

FE0, Chip 4, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

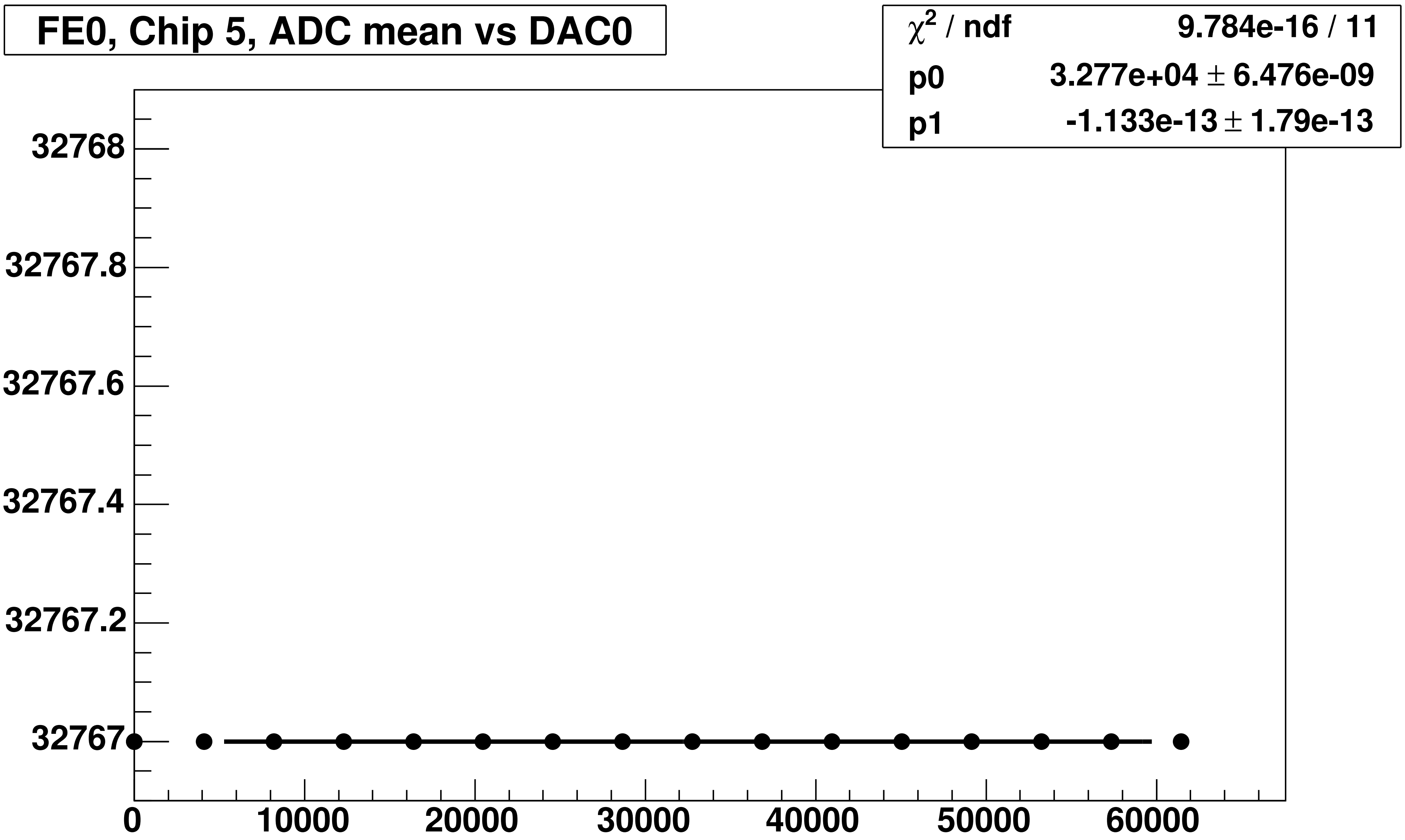

FE0, Chip 4, ADC residuals vs DAC0
×10^-9
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000

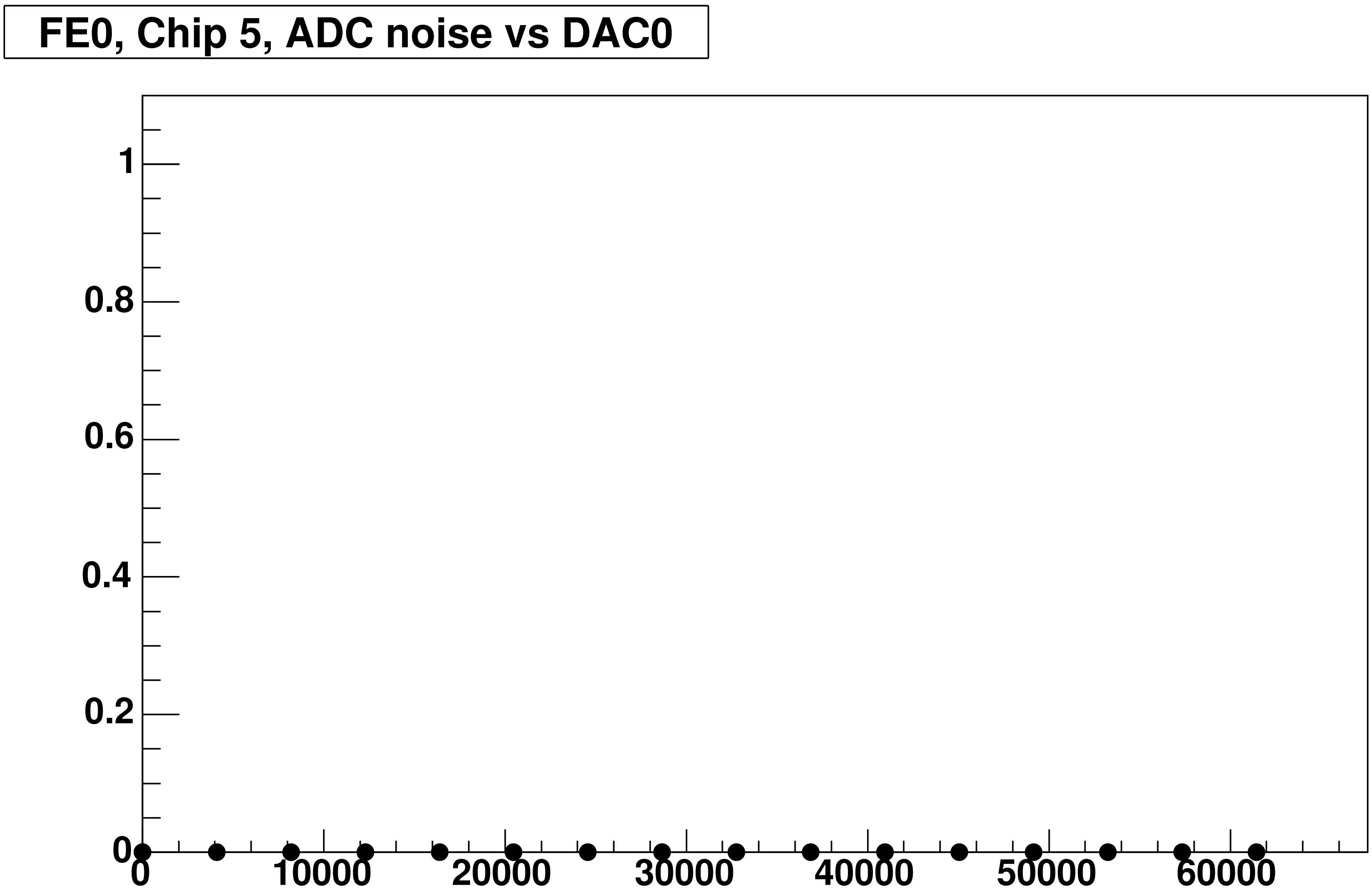


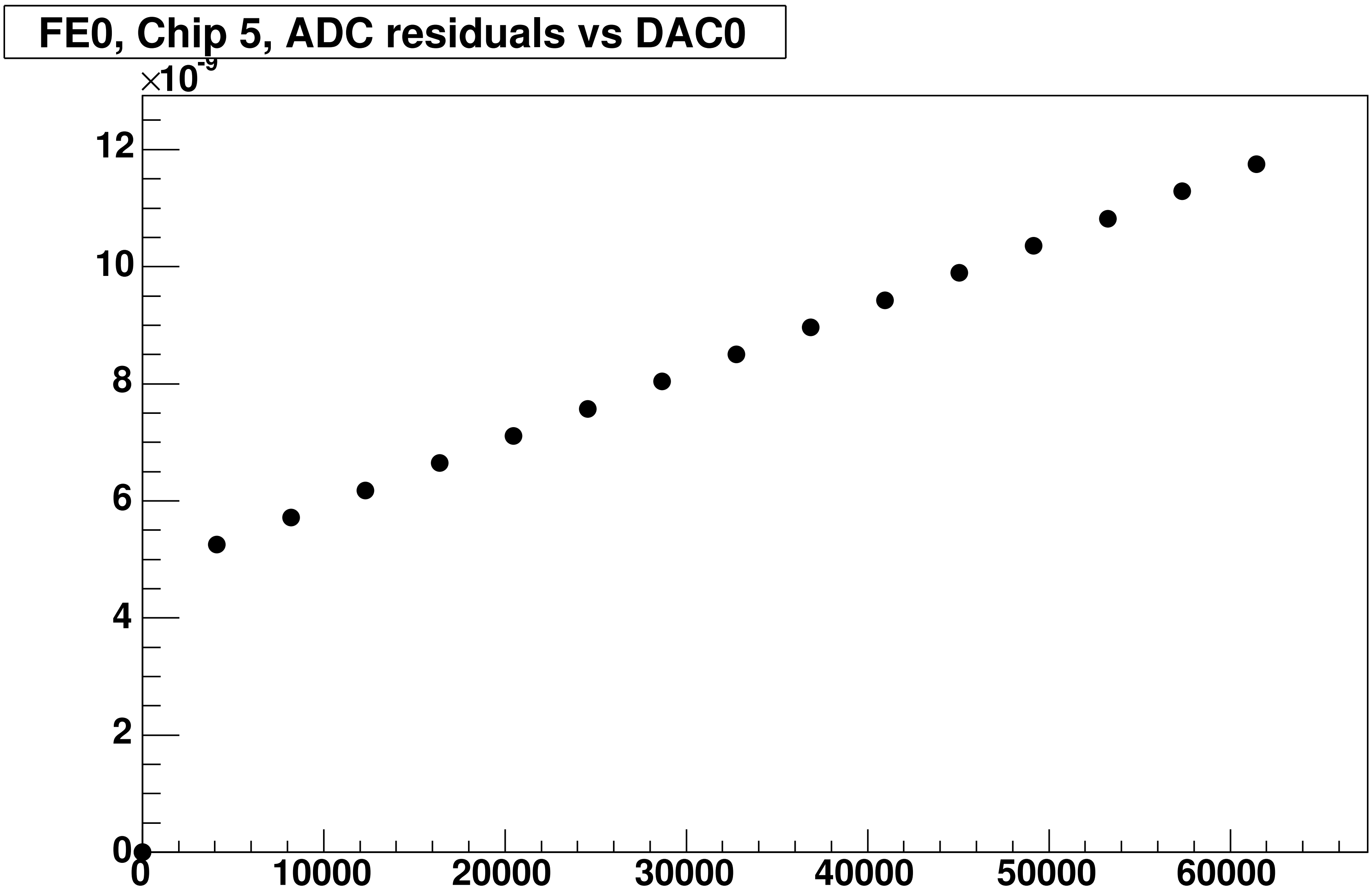
FE0, Chip 4, ADC mean vs DAC1
χ² / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

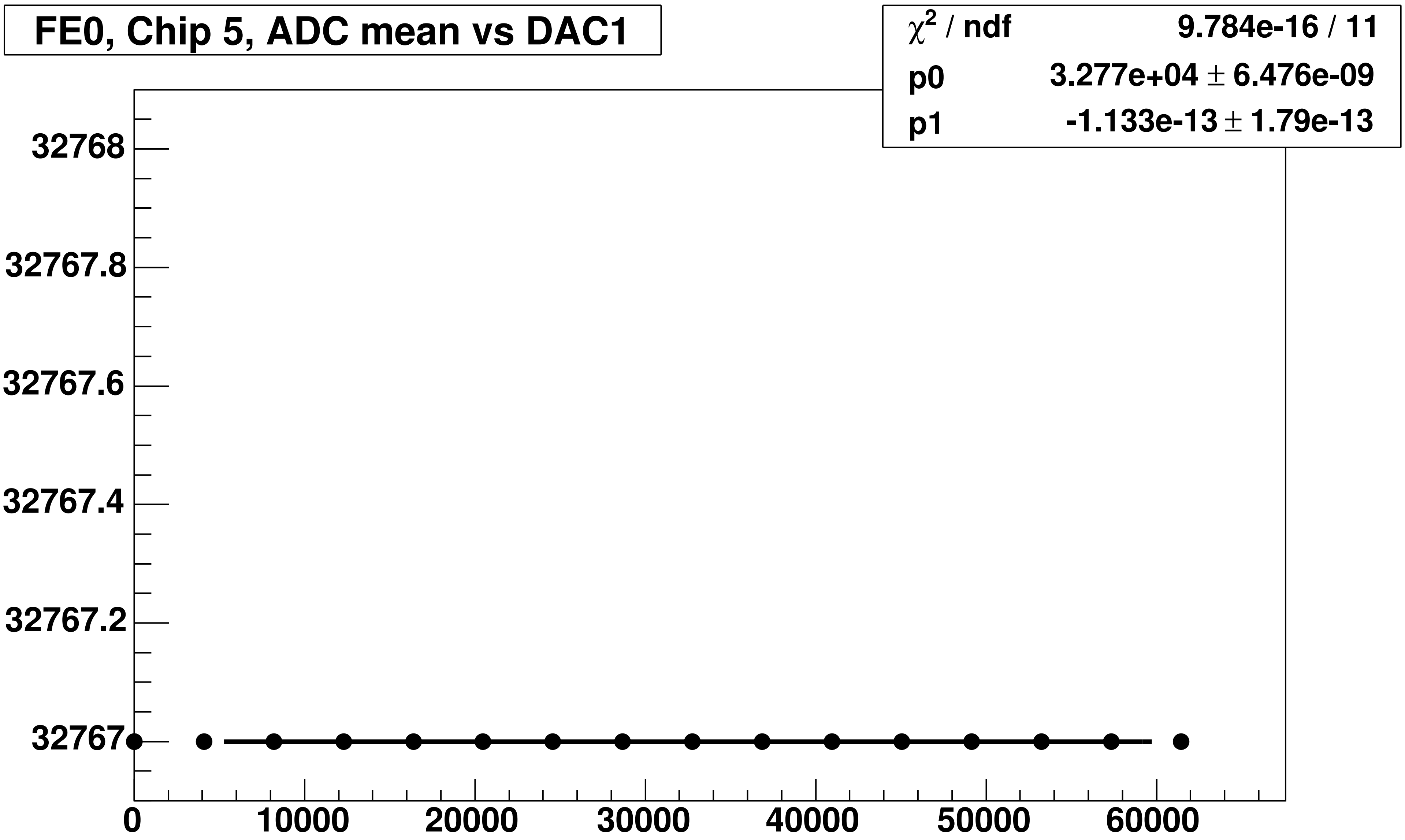

FE0, Chip 4, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000


FE0, Chip 4, ADC residuals vs DAC1
×10^-9
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000

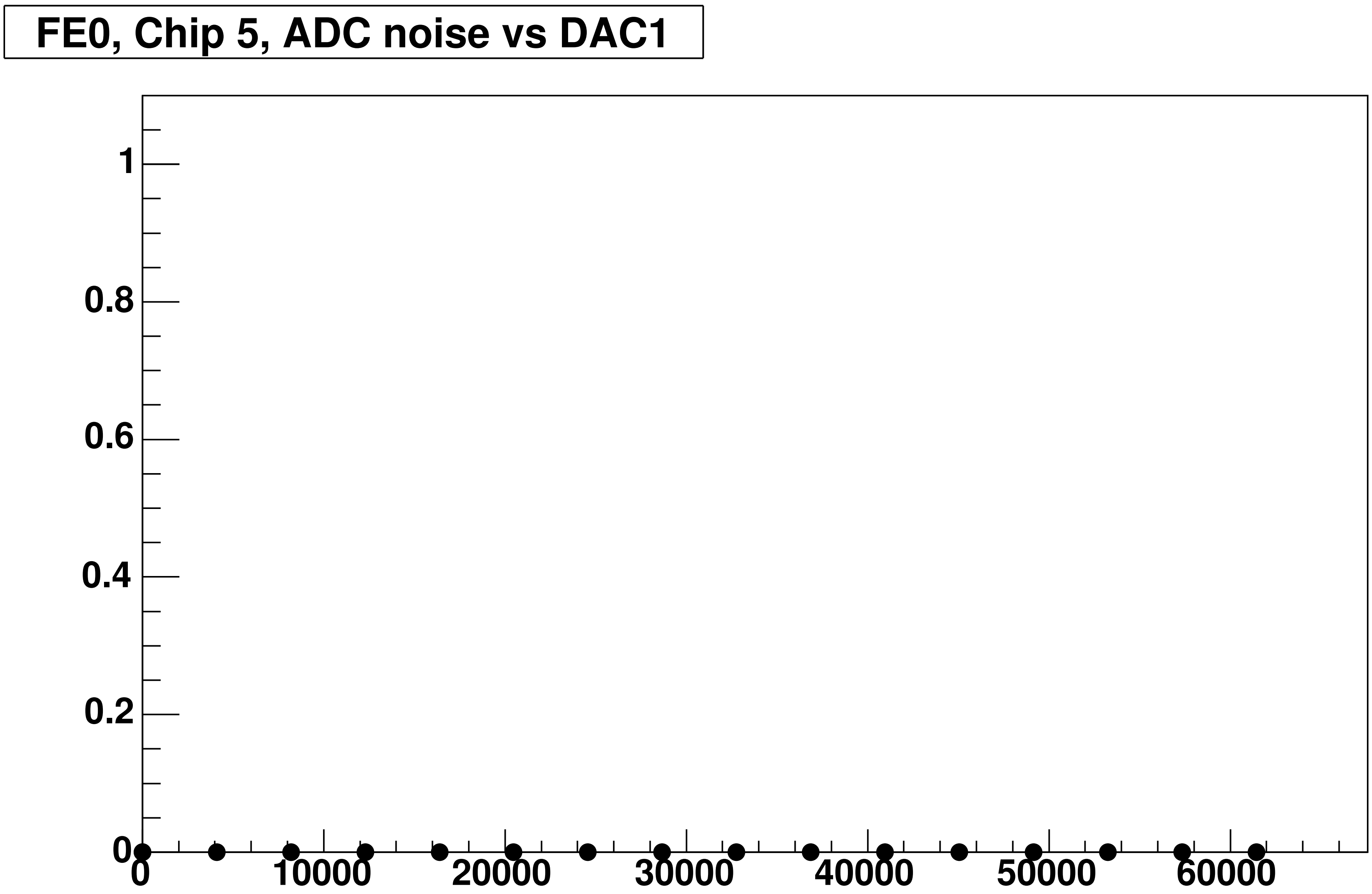

FE0, Chip 5, ADC mean vs DAC0
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

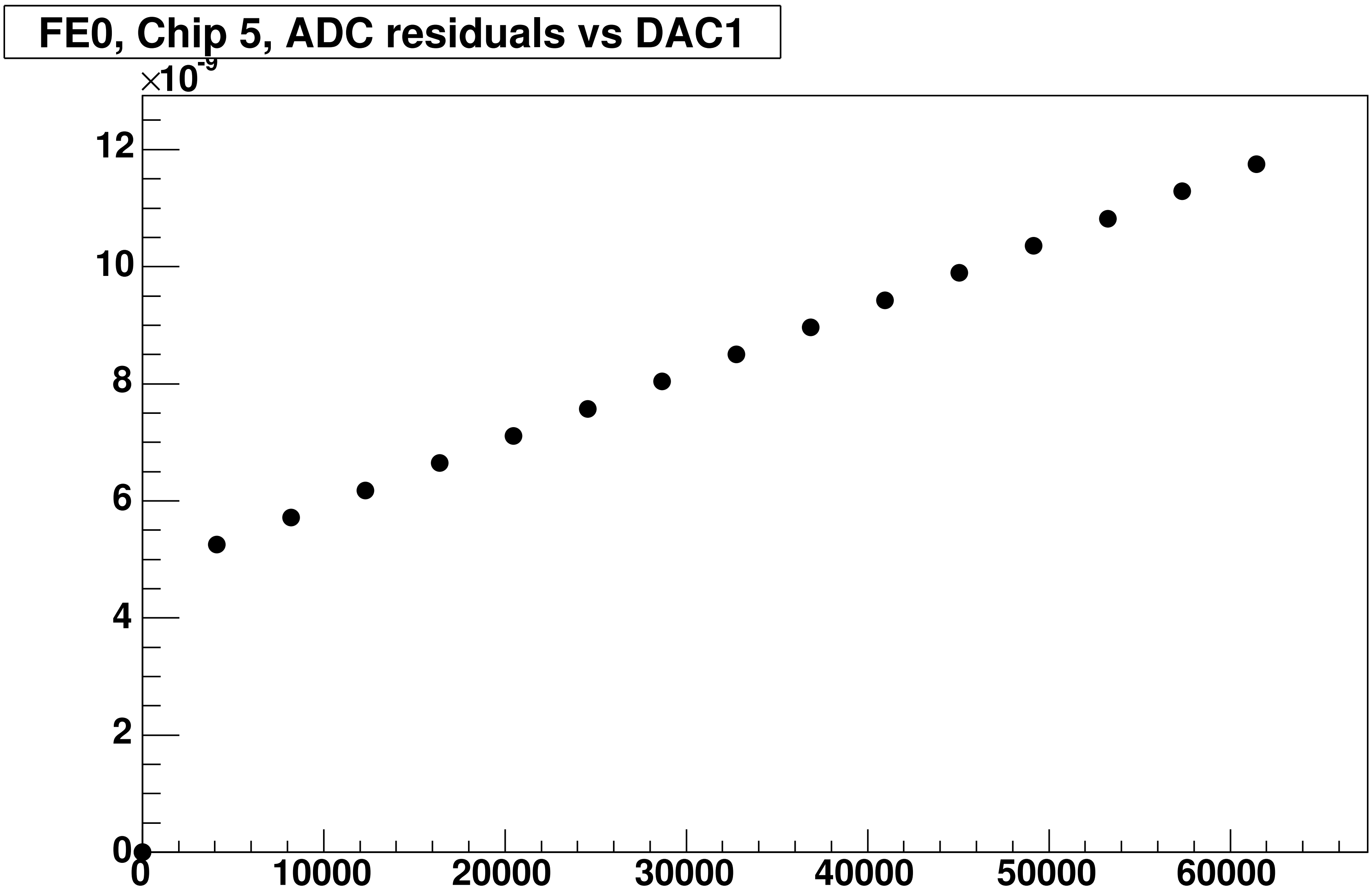

FE0, Chip 5, ADC noise vs DAC0
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

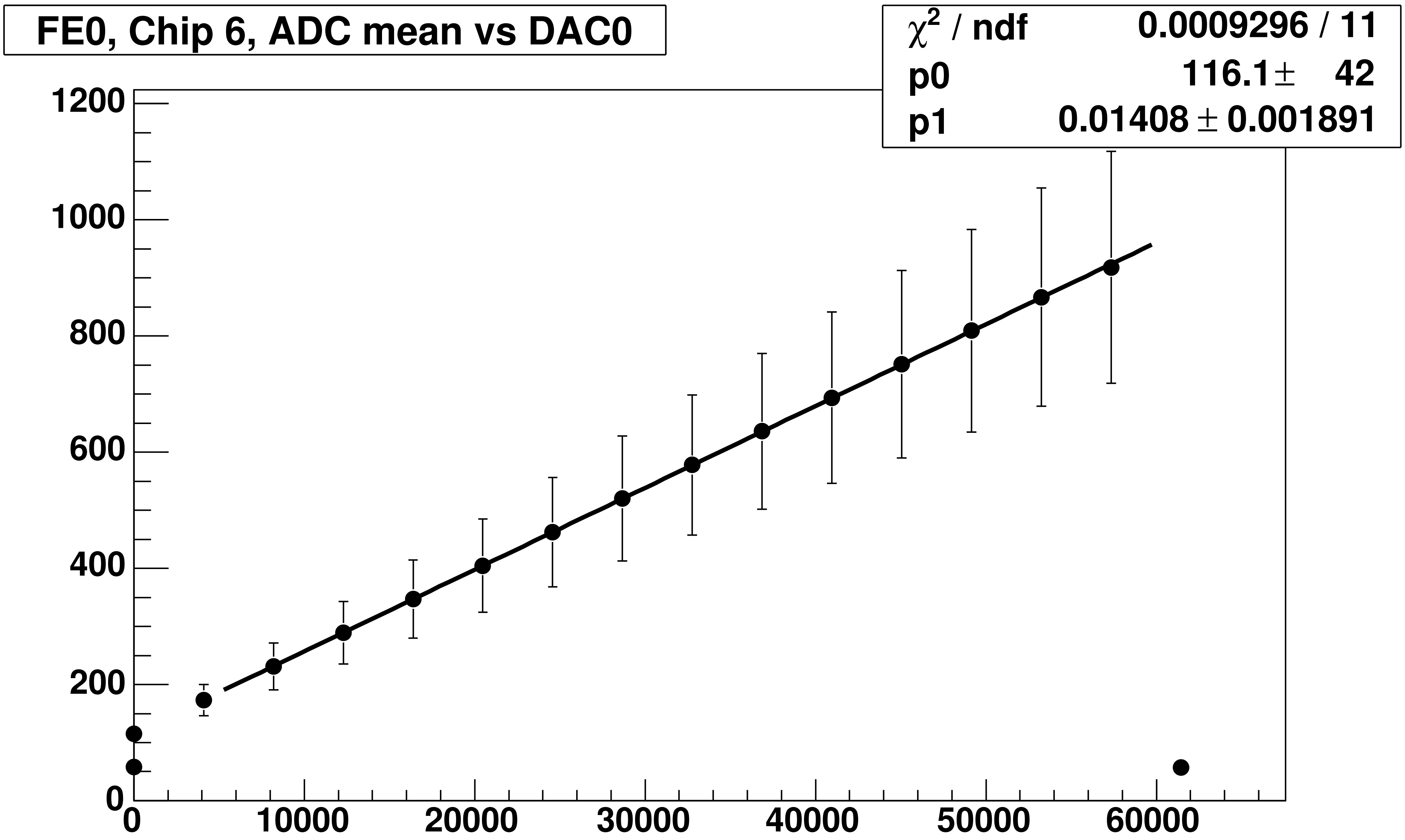

FE0, Chip 5, ADC residuals vs DAC0
×10^-9
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000



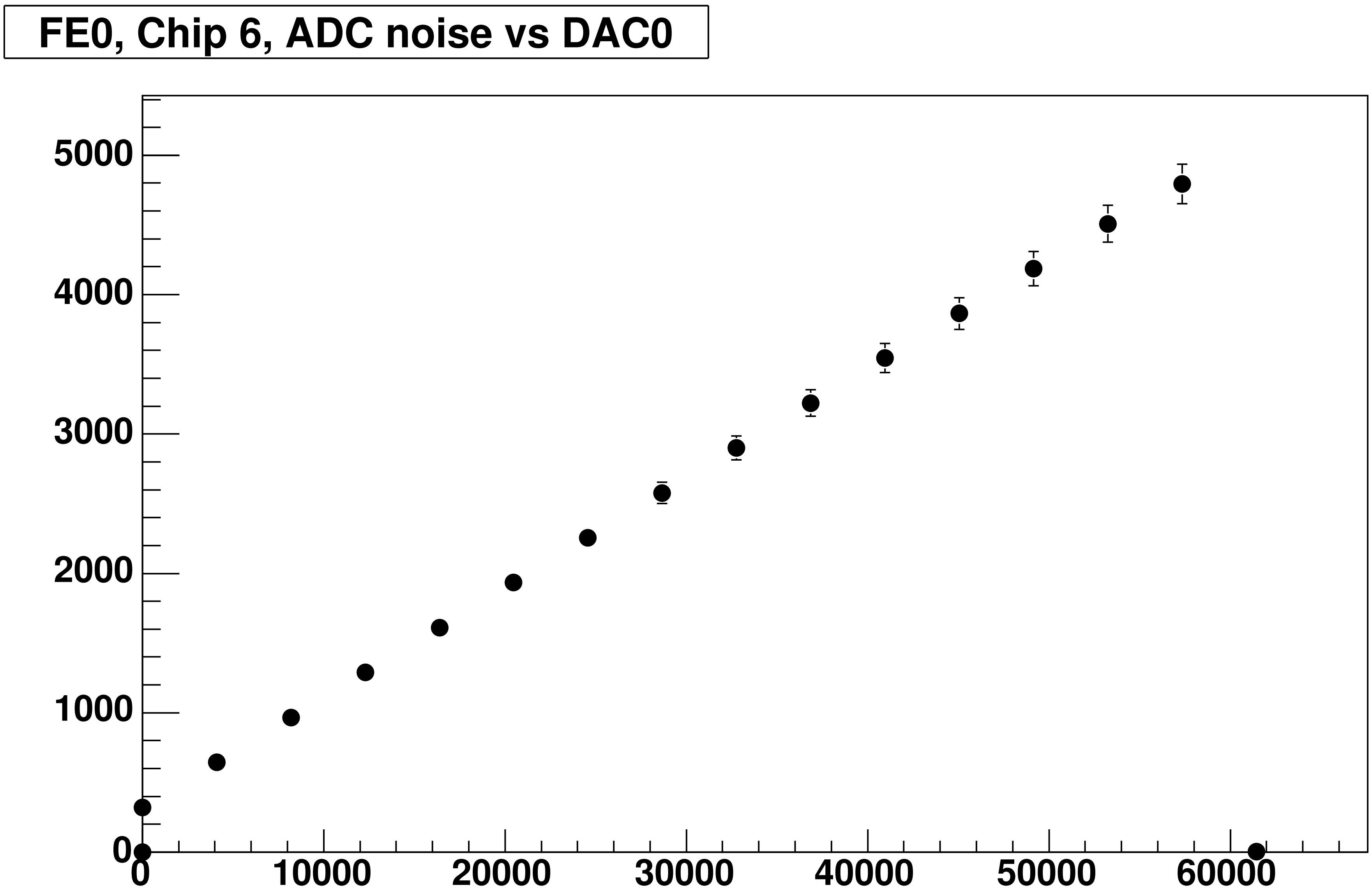
FE0, Chip 5, ADC mean vs DAC1
χ^2 / ndf 9.784e-16 / 11
p0 3.277e+04 ± 6.476e-09
p1 -1.133e-13 ± 1.79e-13
32768
32767.8
32767.6
32767.4
32767.2
32767
0
10000
20000
30000
40000
50000
60000

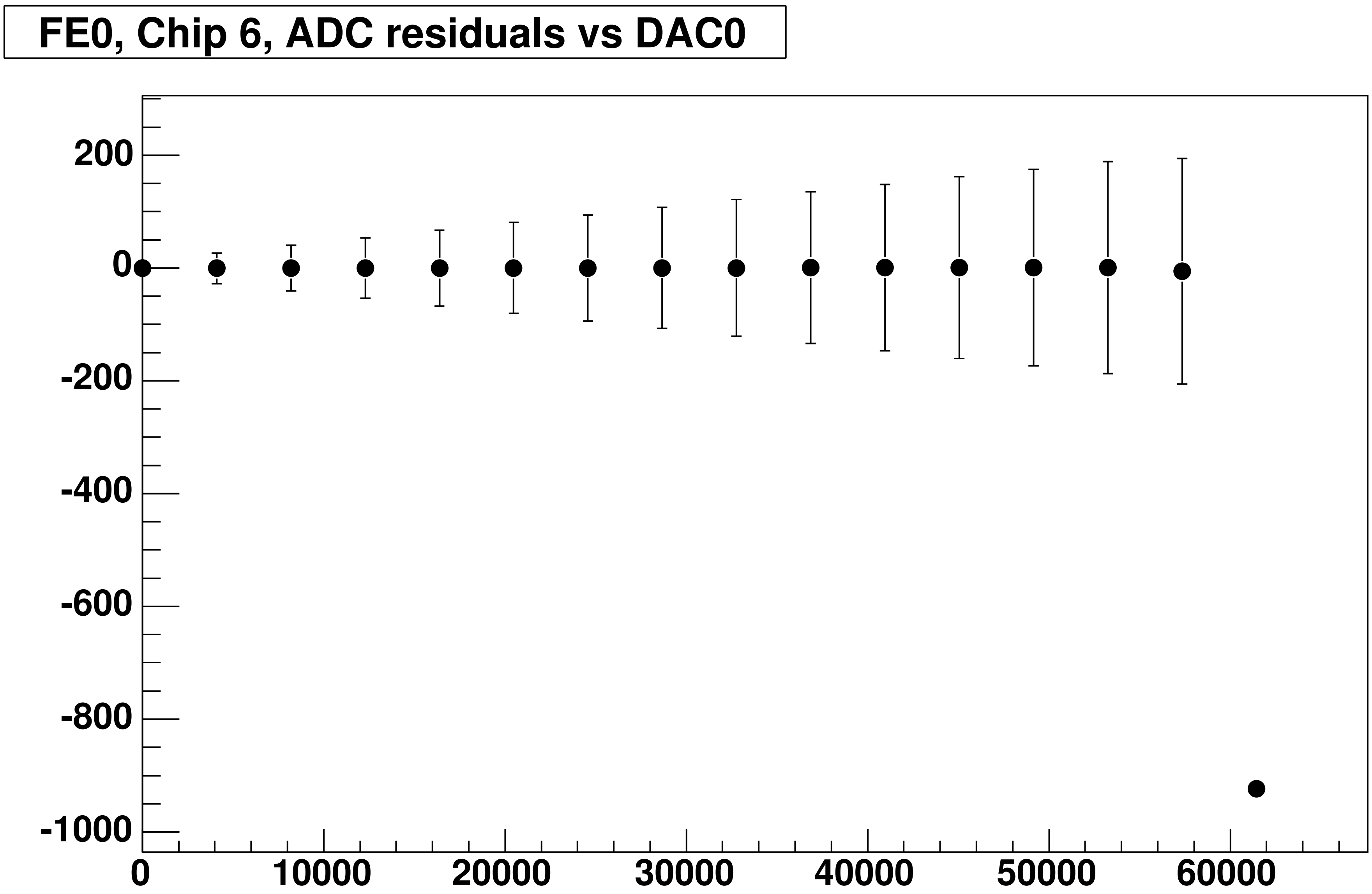

FE0, Chip 5, ADC noise vs DAC1
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000

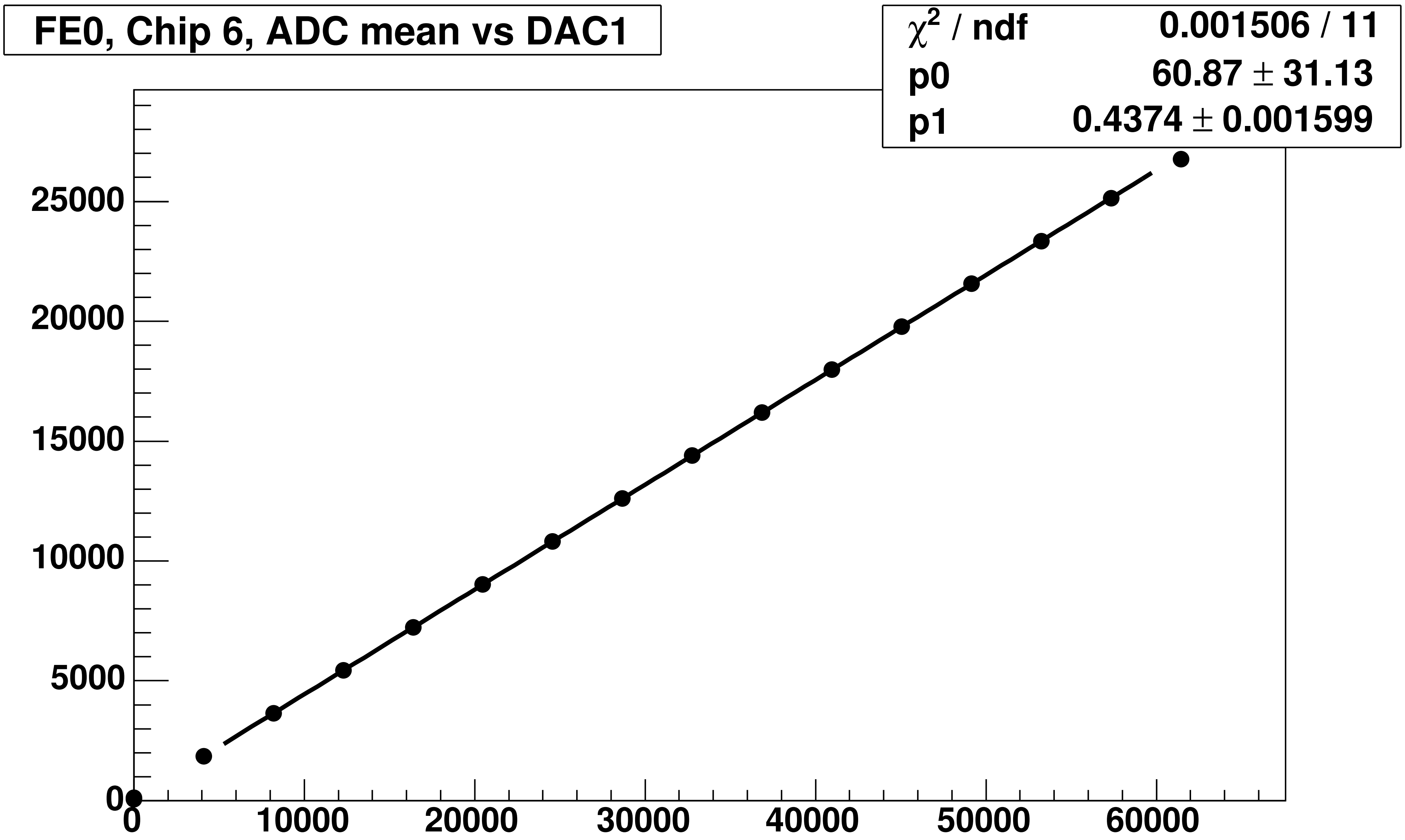

FE0, Chip 5, ADC residuals vs DAC1
×10^-9
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000

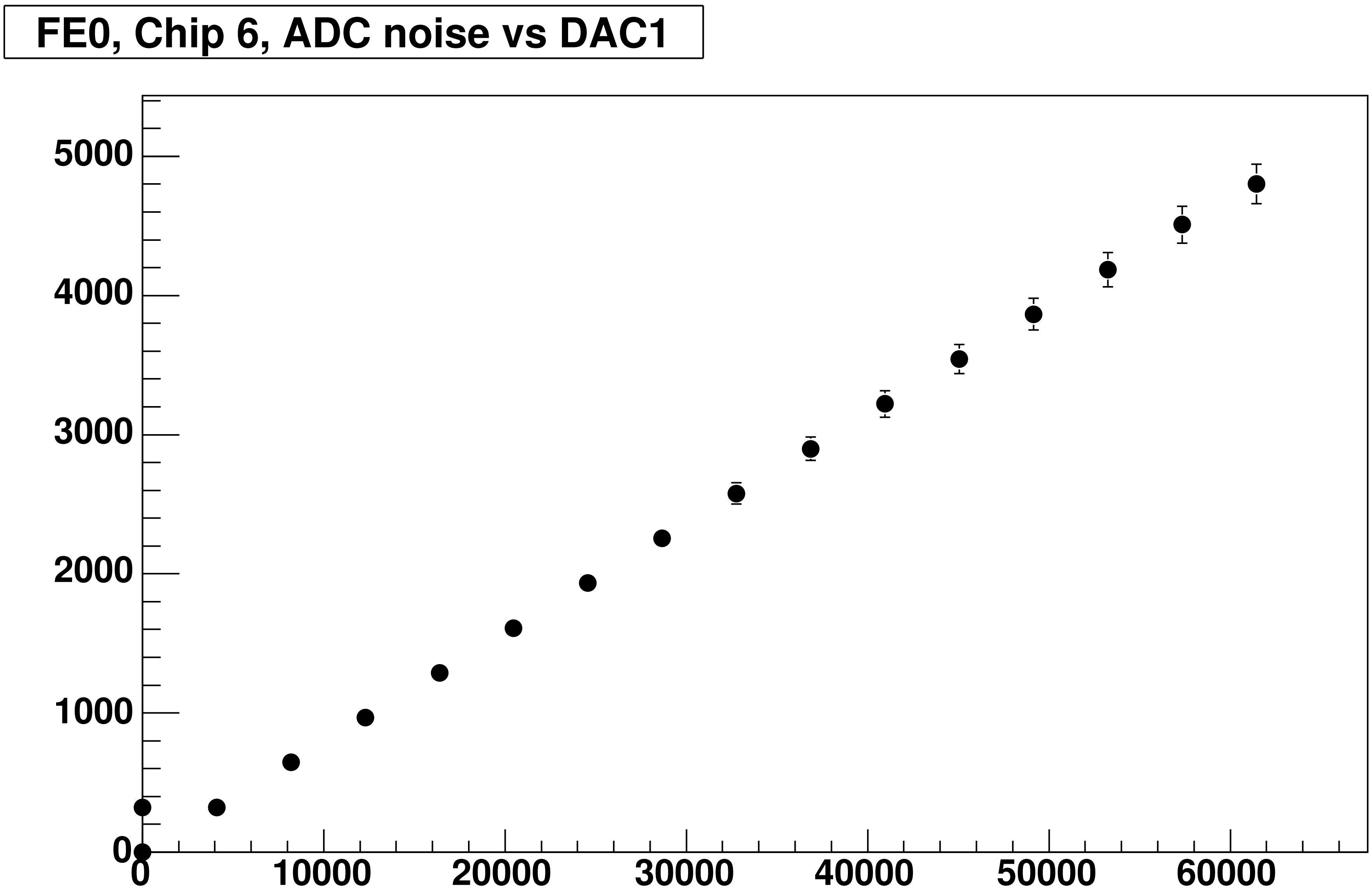


FE0, Chip 6, ADC mean vs DAC0
χ^2 / ndf 0.0009296 / 11
p0 116.1 ± 42
p1 0.01408 ± 0.001891
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

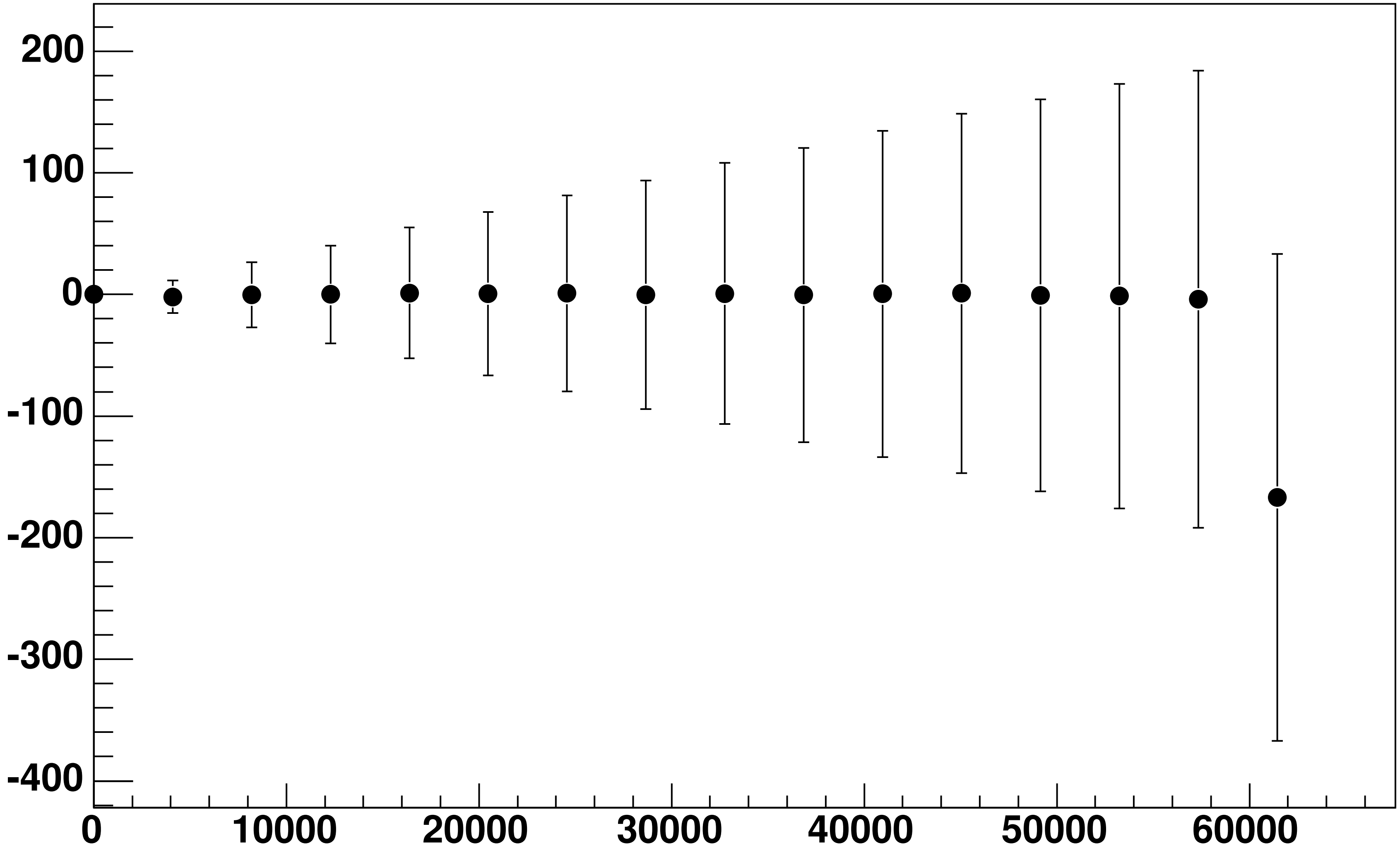

FE0, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

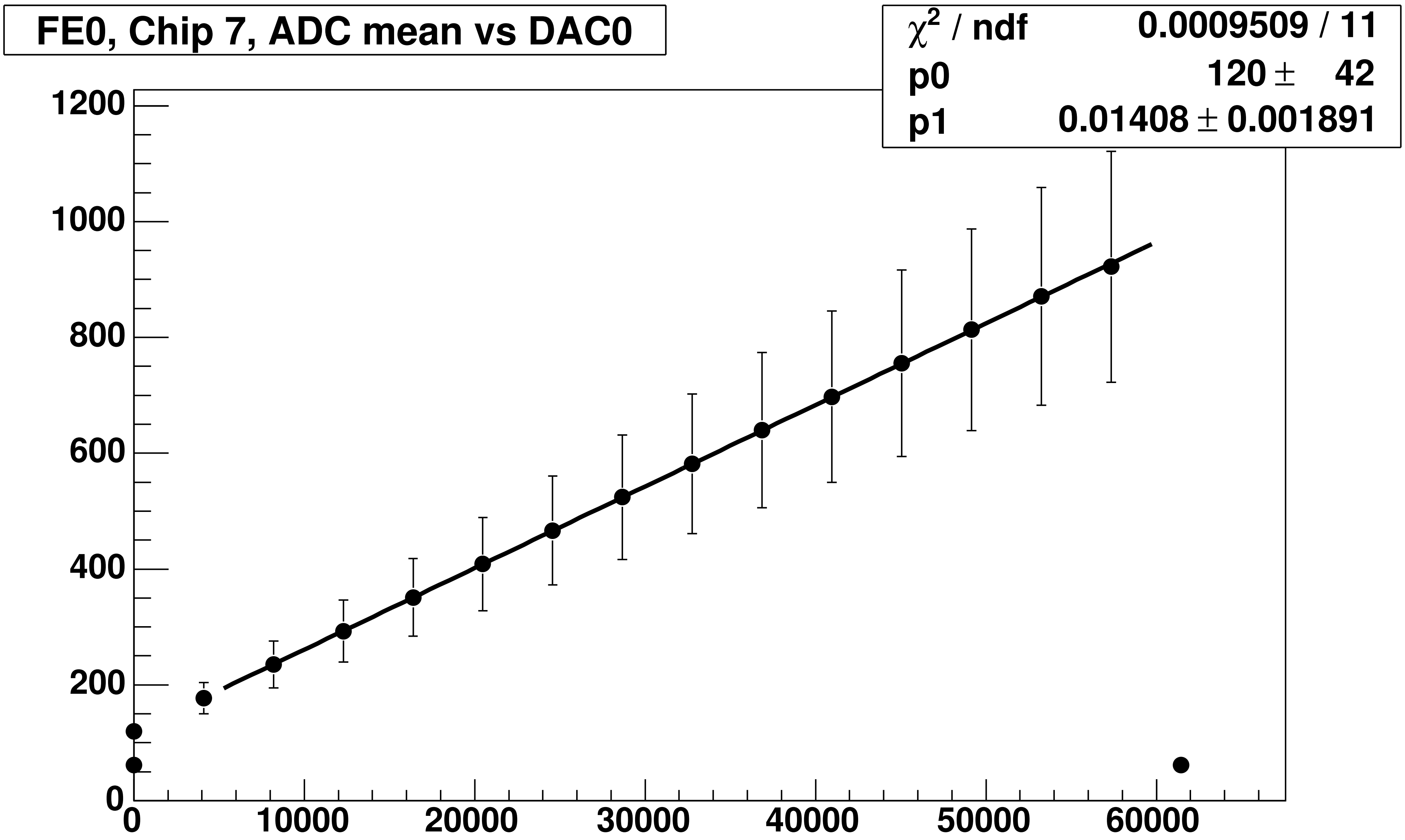

FE0, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001506 / 11
p0 60.87 ± 31.13
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

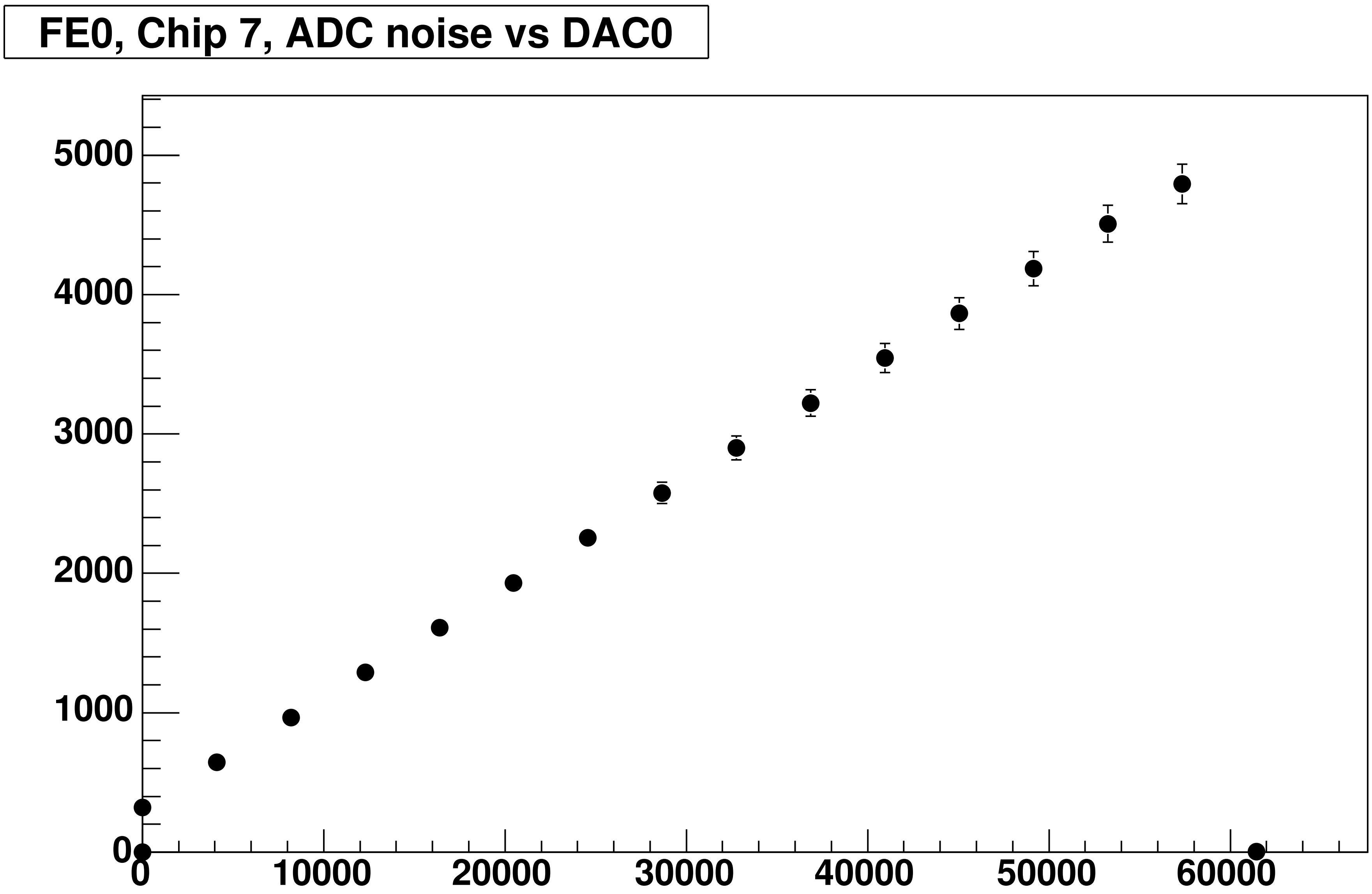

FE0, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

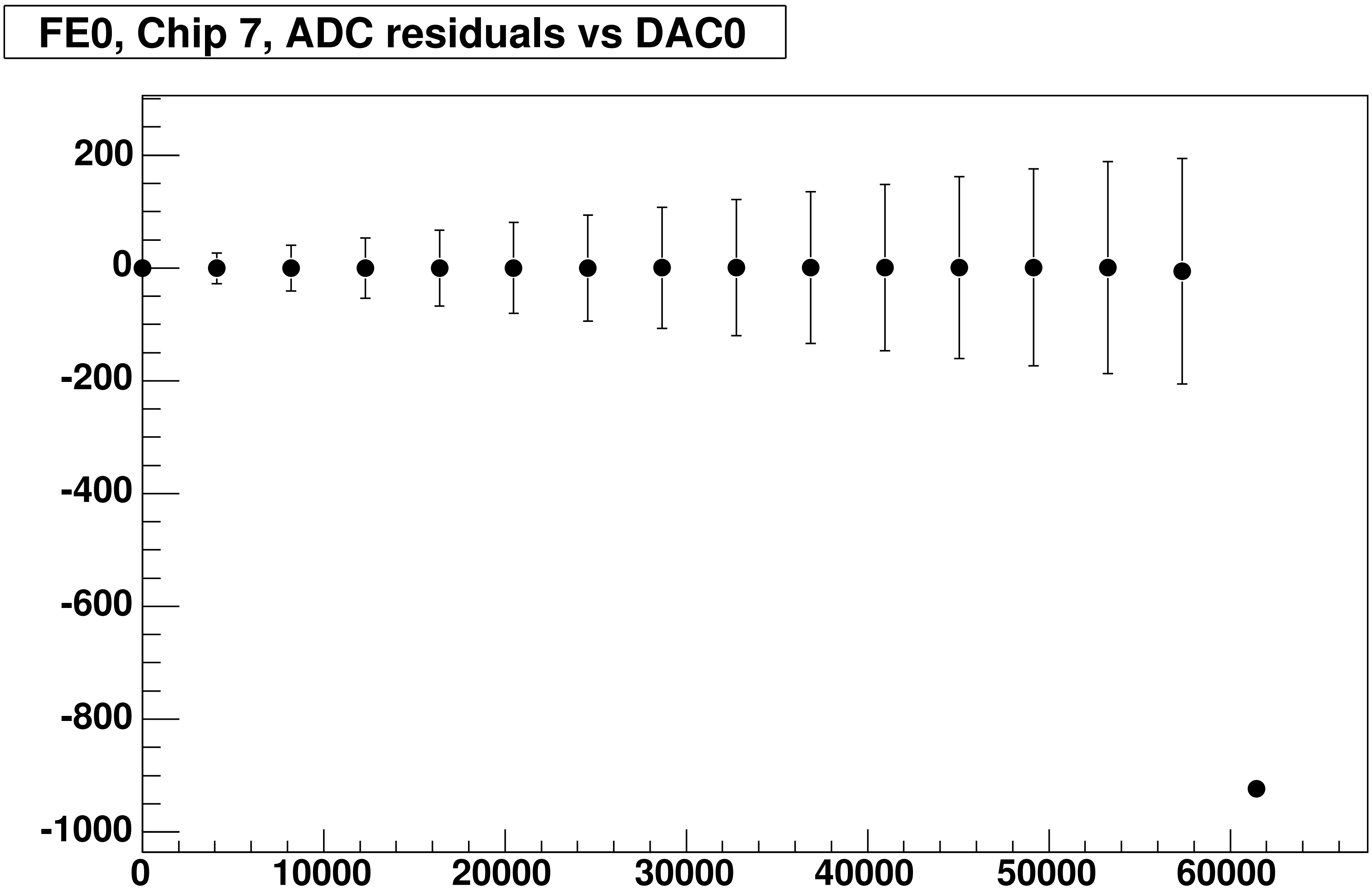
FE0, Chip 6, ADC residuals vs DAC1



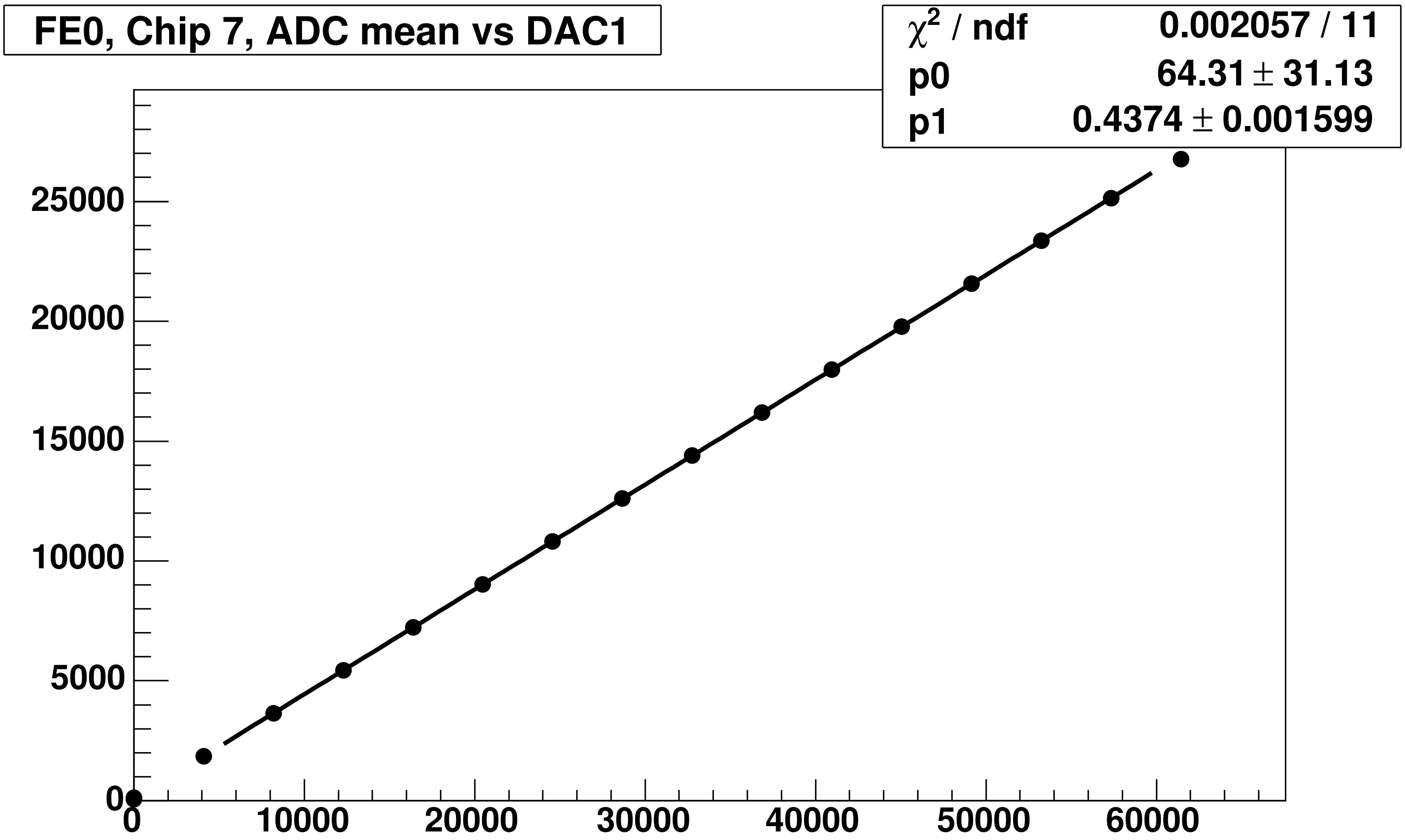


FE0, Chip 7, ADC mean vs DAC0
χ^2 / ndf 0.0009509 / 11
p0 120 ± 42
p1 0.01408 ± 0.001891
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

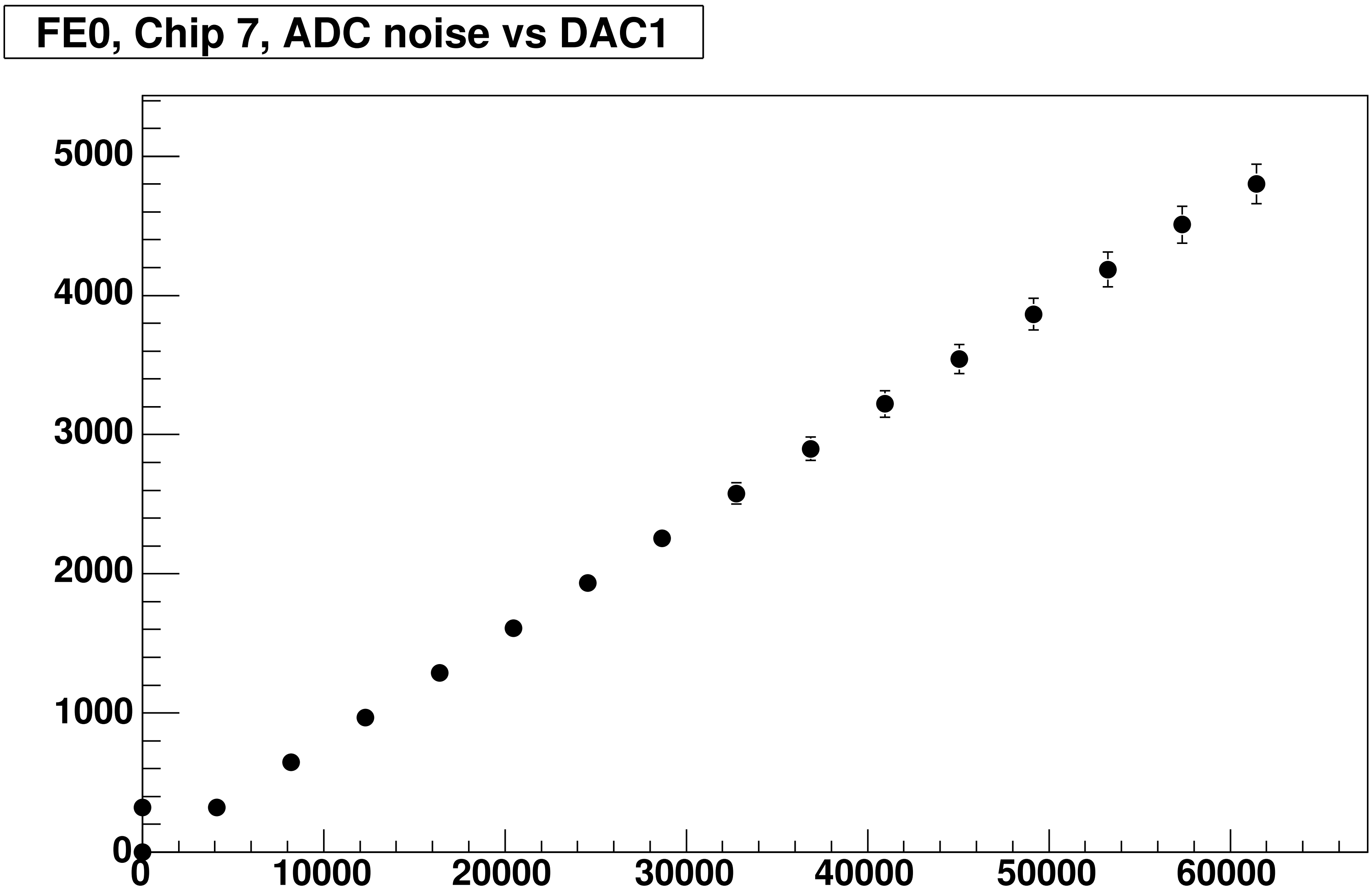

FE0, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



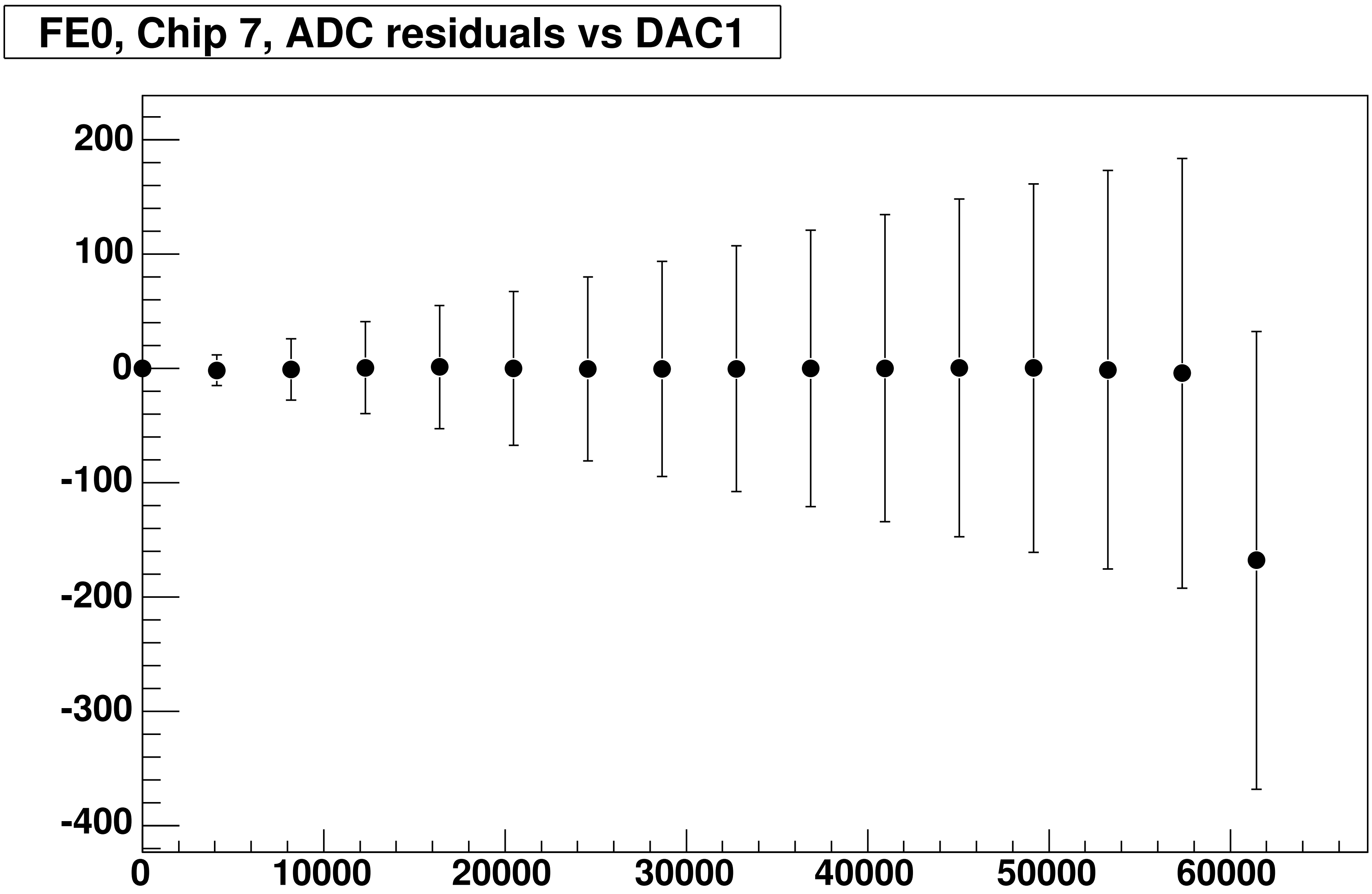
FE0, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

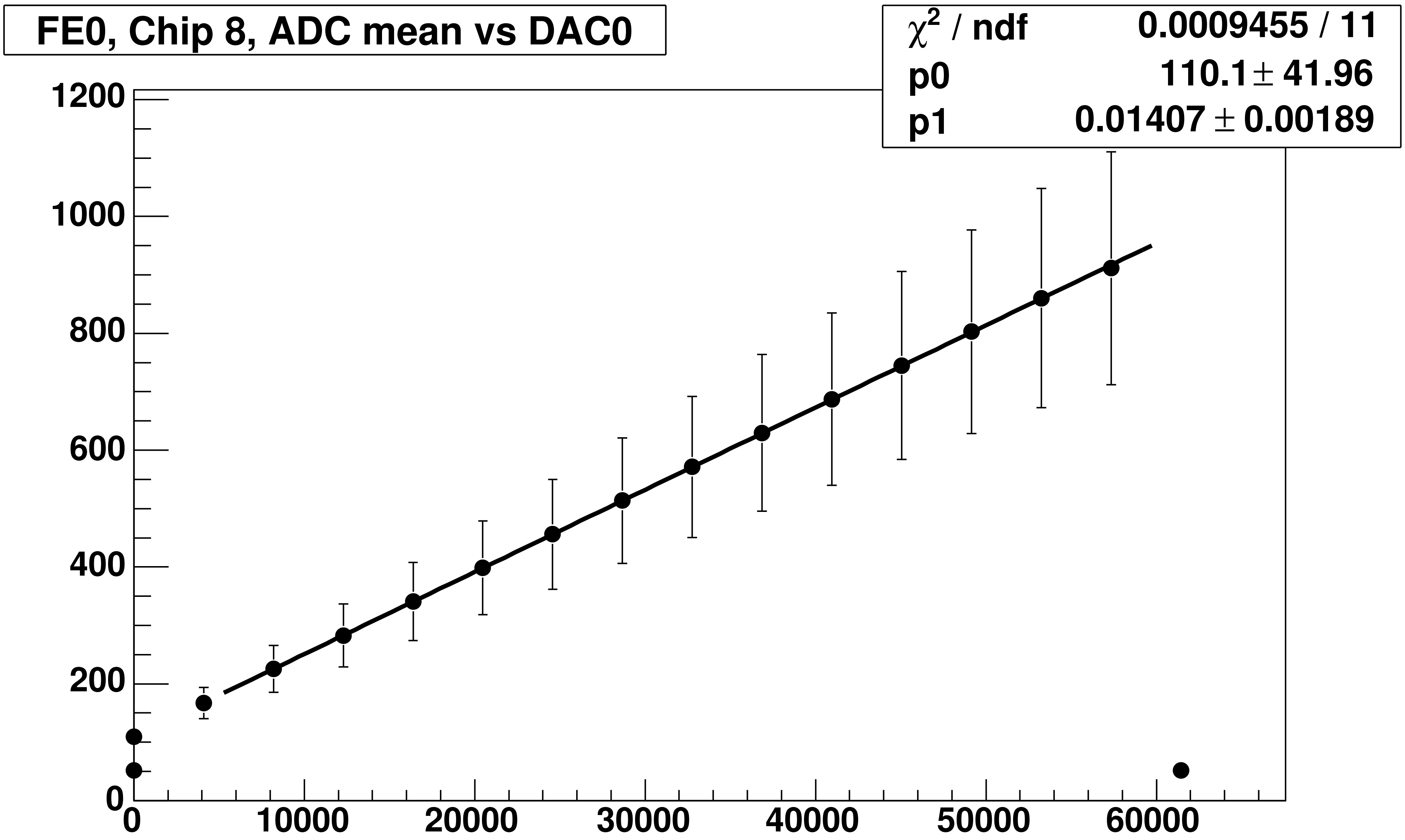


FE0, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.002057 / 11
p0 64.31 ± 31.13
p1 0.4374 ± 0.001599
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

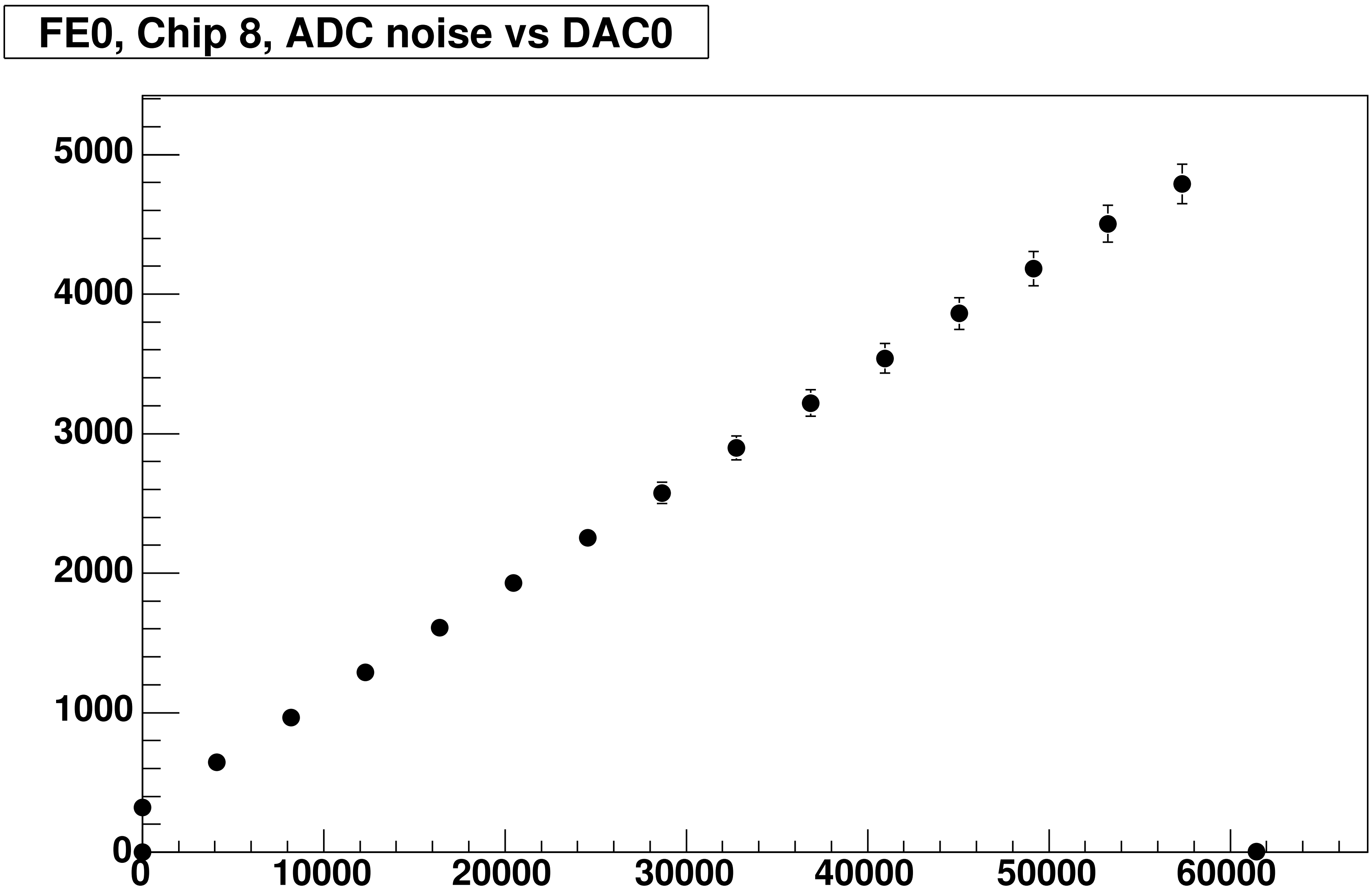


FE0, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

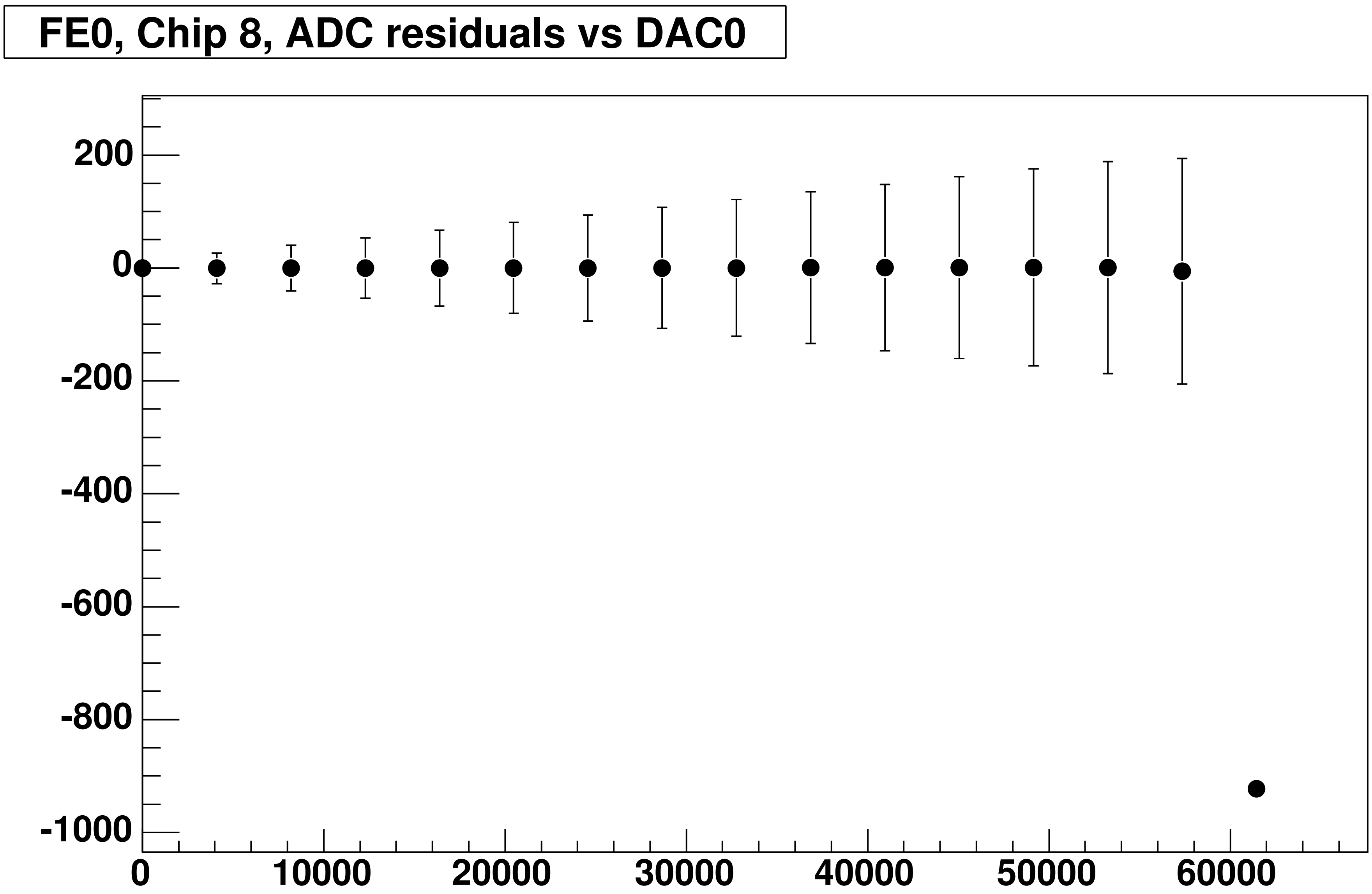

FE0, Chip 7, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000



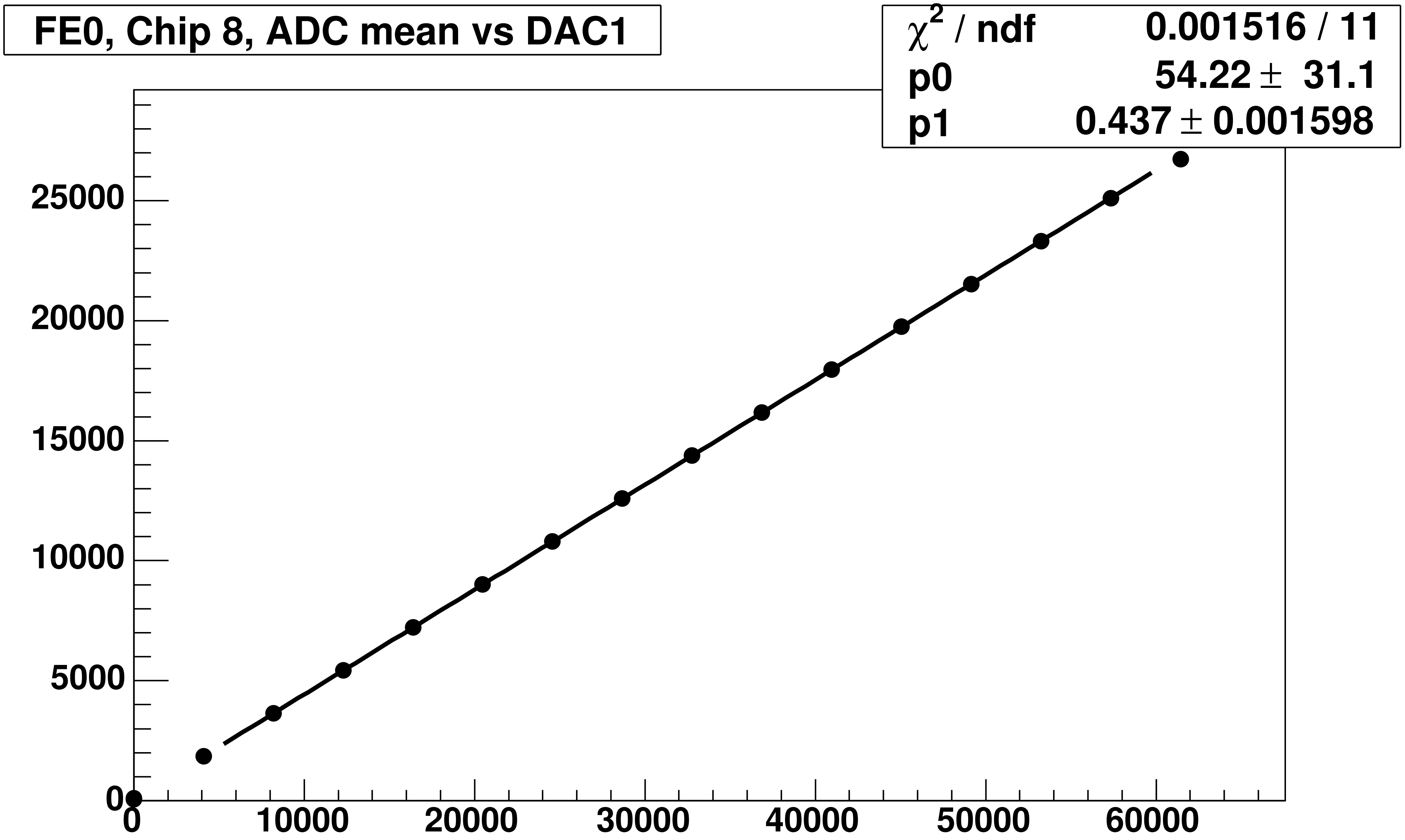
FE0, Chip 8, ADC mean vs DAC0
χ2 / ndf 0.0009455 / 11
p0 110.1 ± 41.96
p1 0.01407 ± 0.00189
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

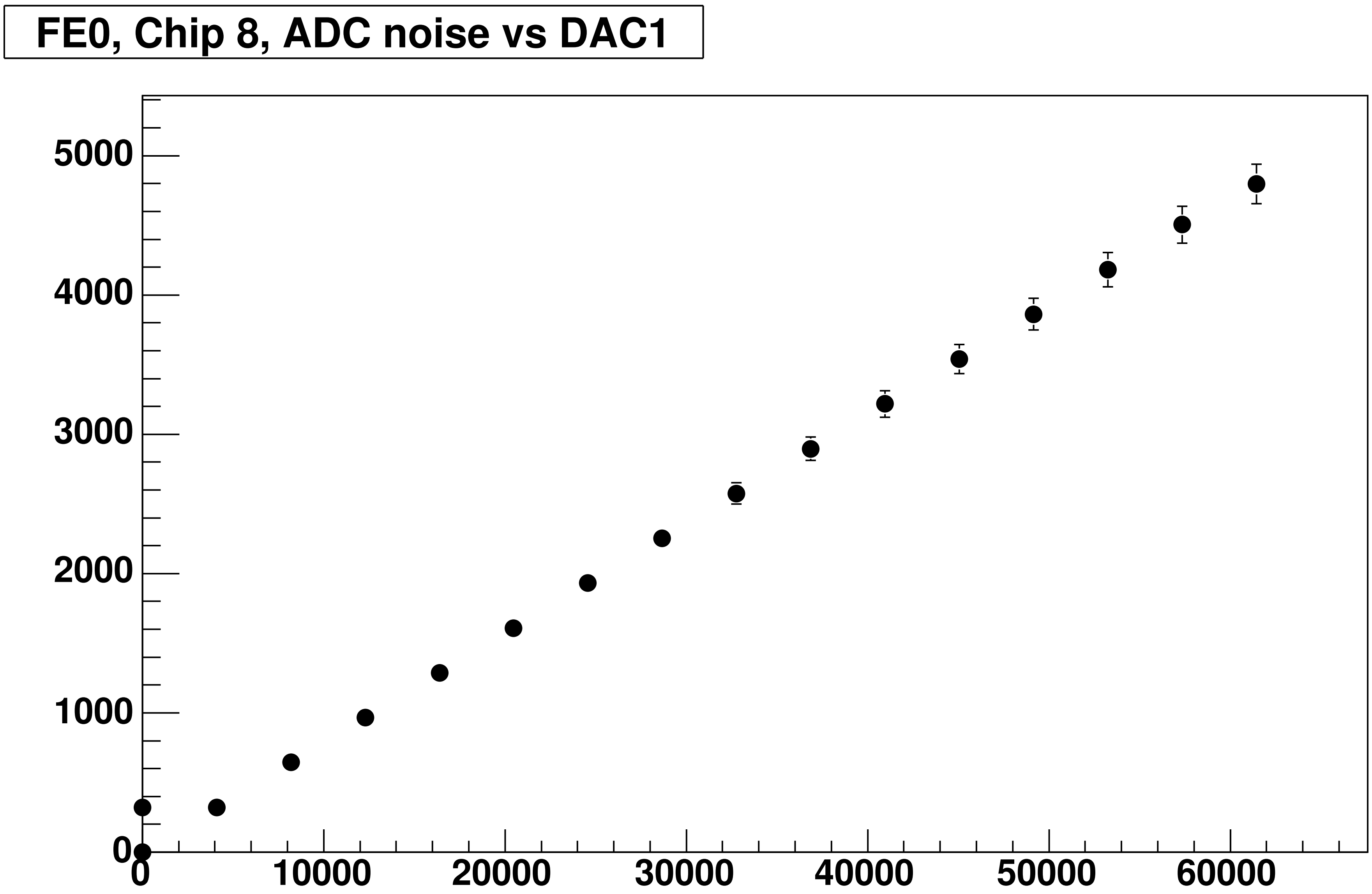


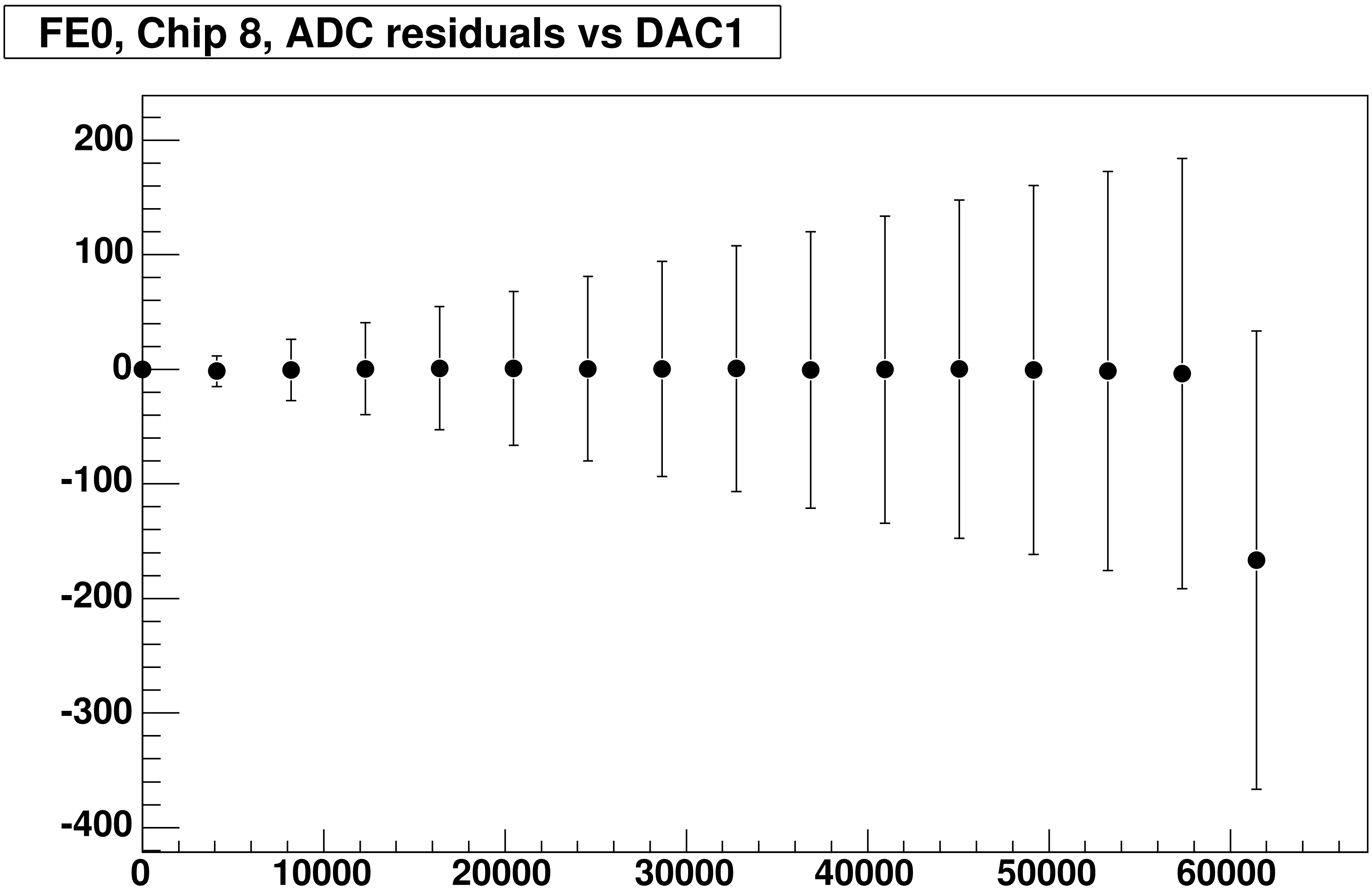
FE0, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



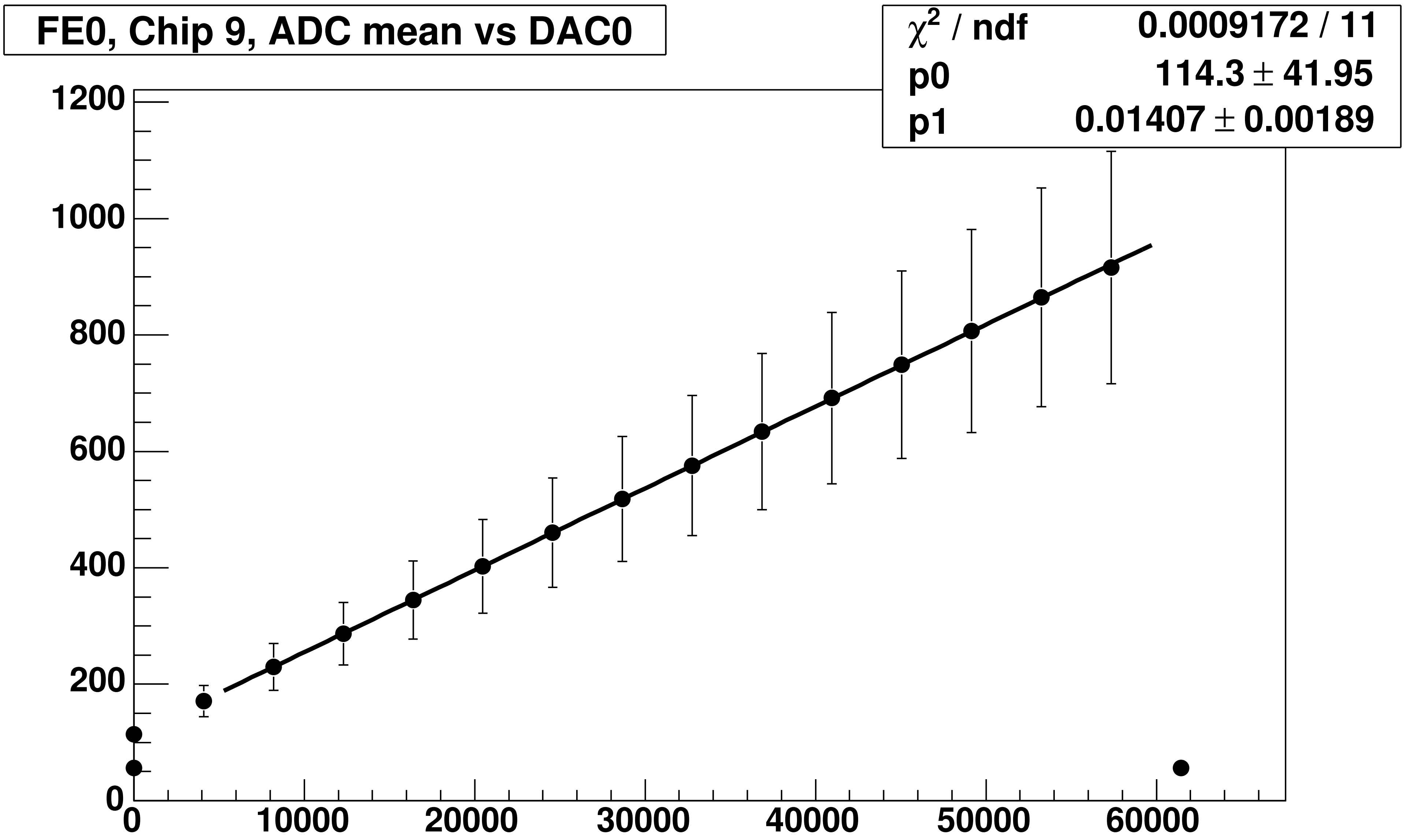
FE0, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001516 / 11
p0 54.22 ± 31.1
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

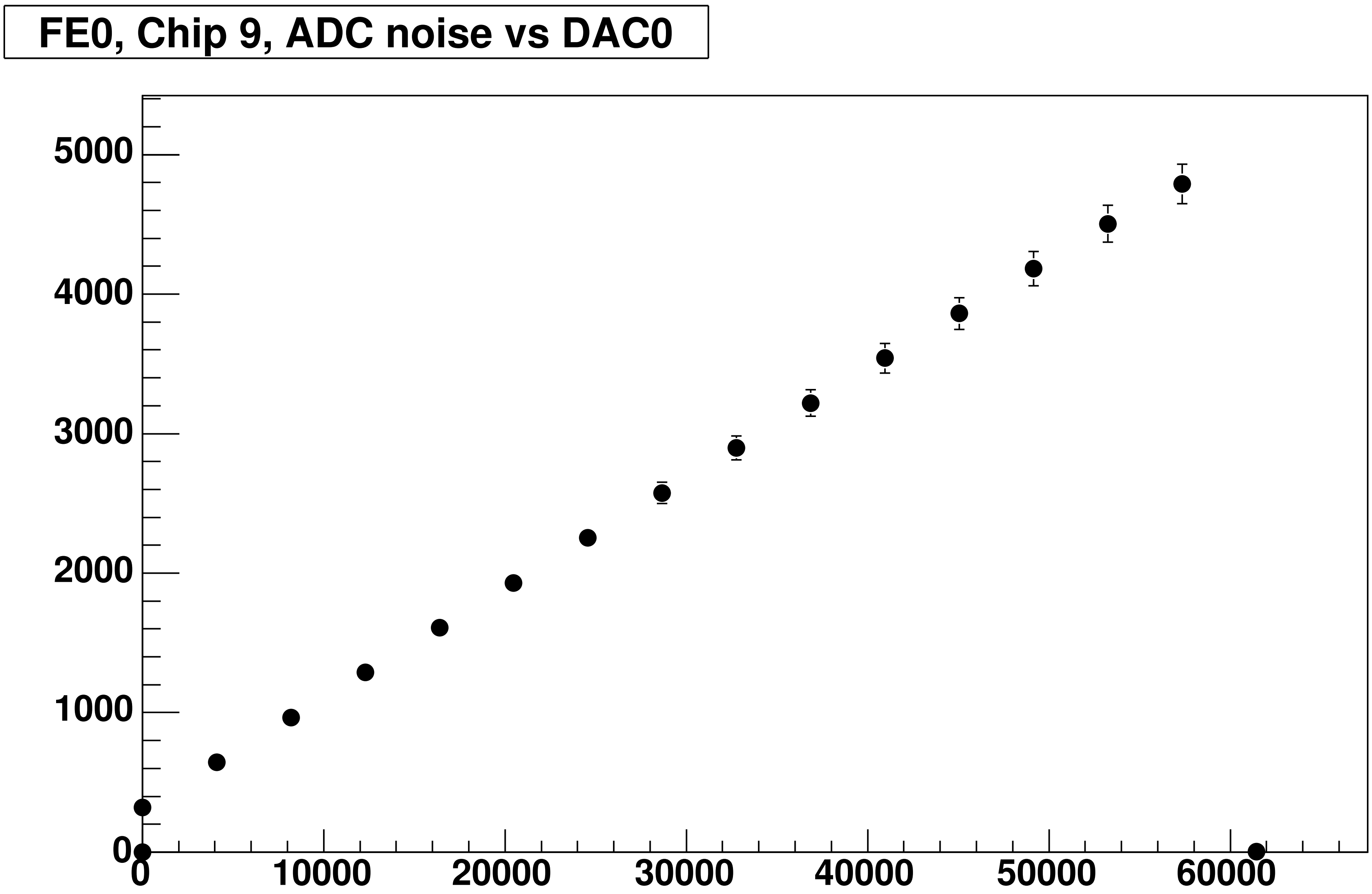

FE0, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

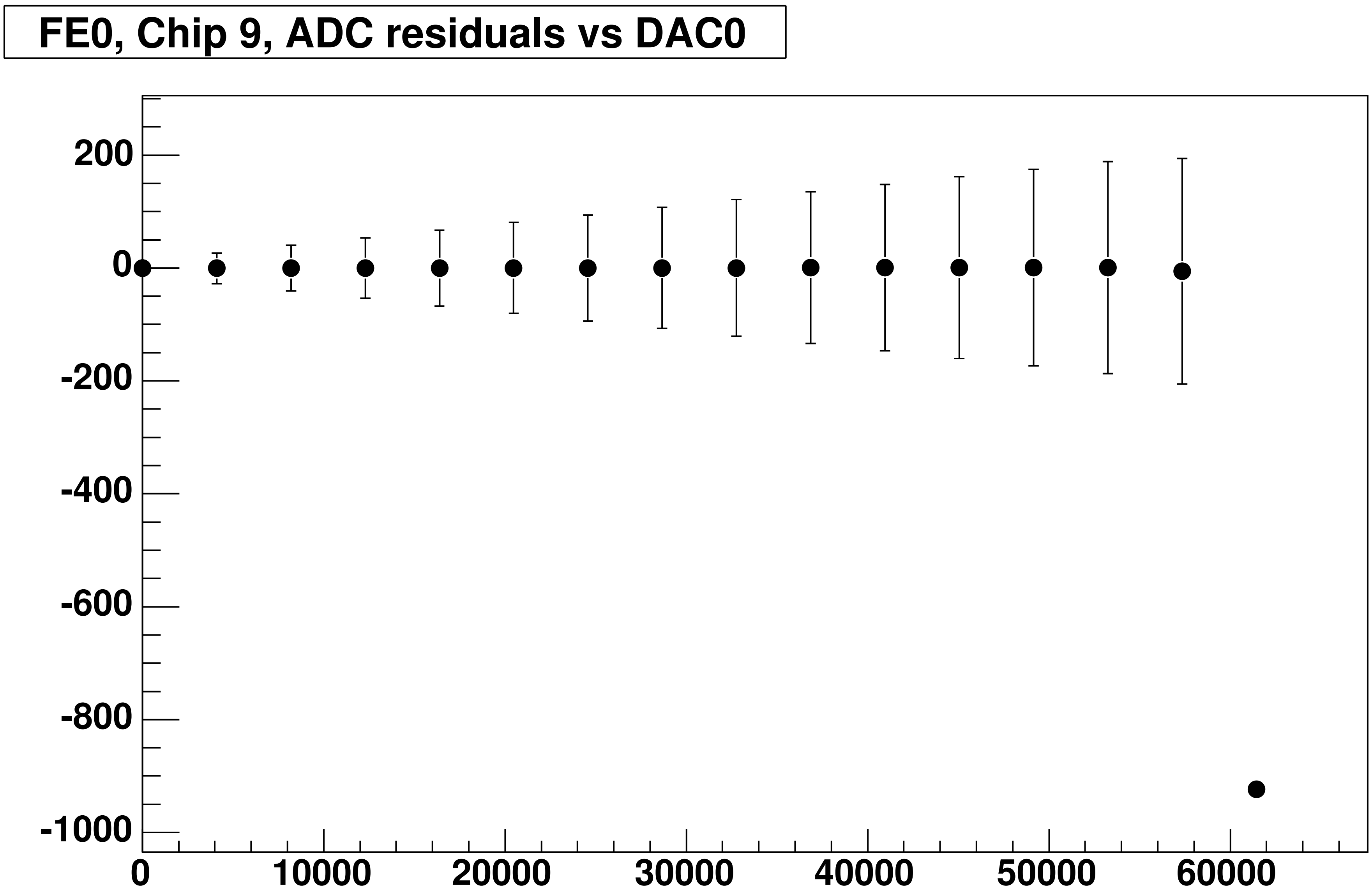


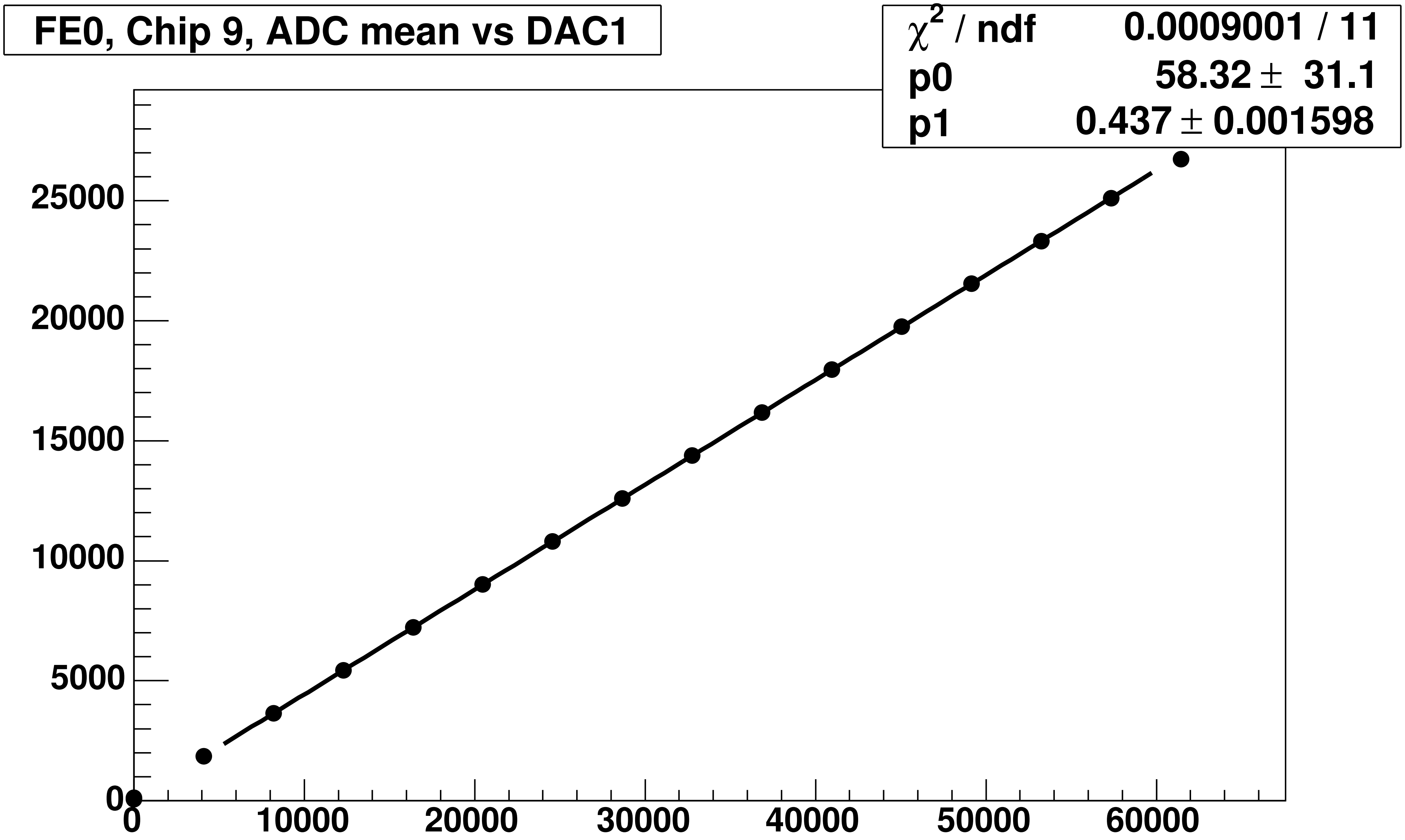
FE0, Chip 8, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

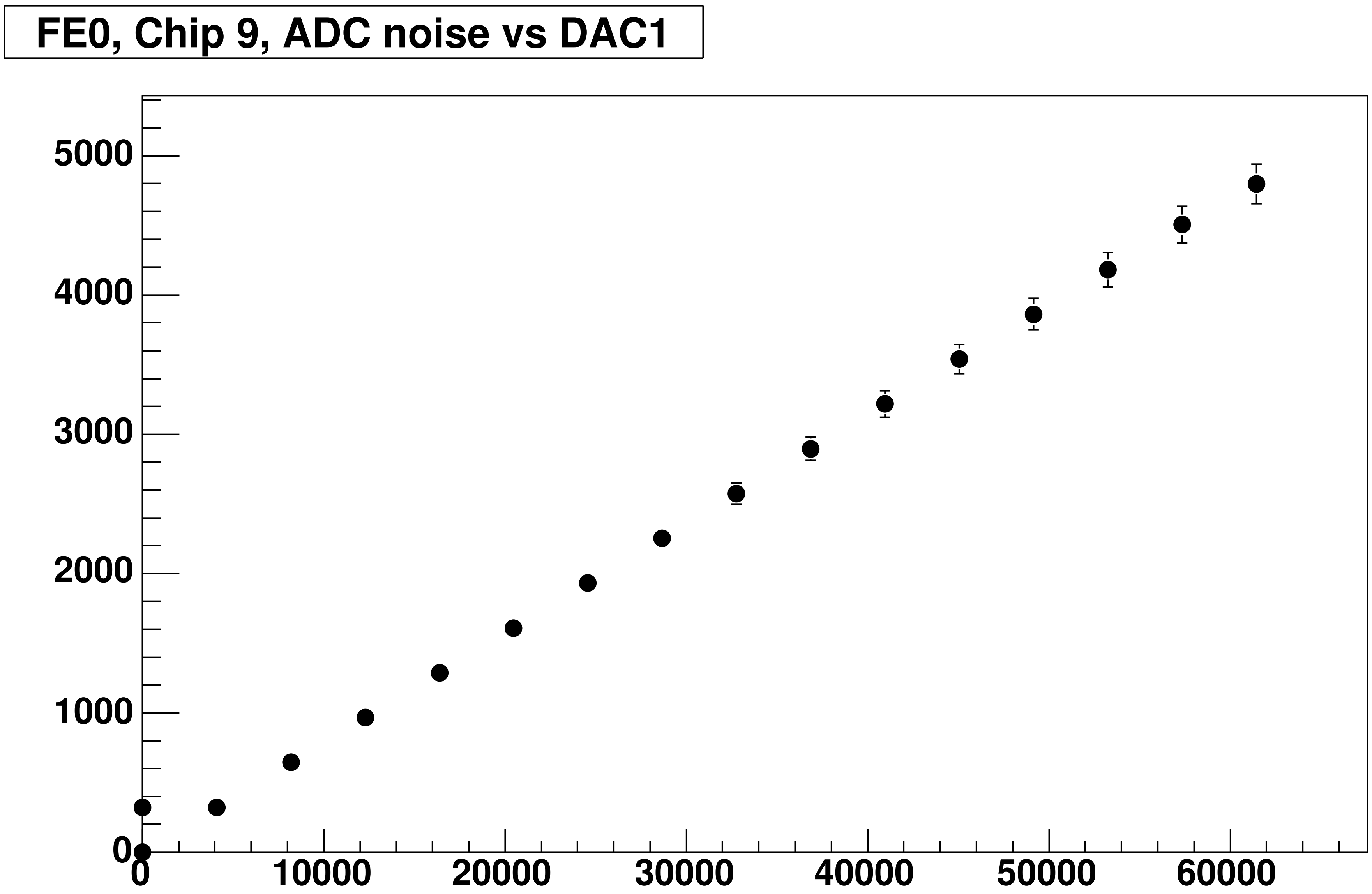


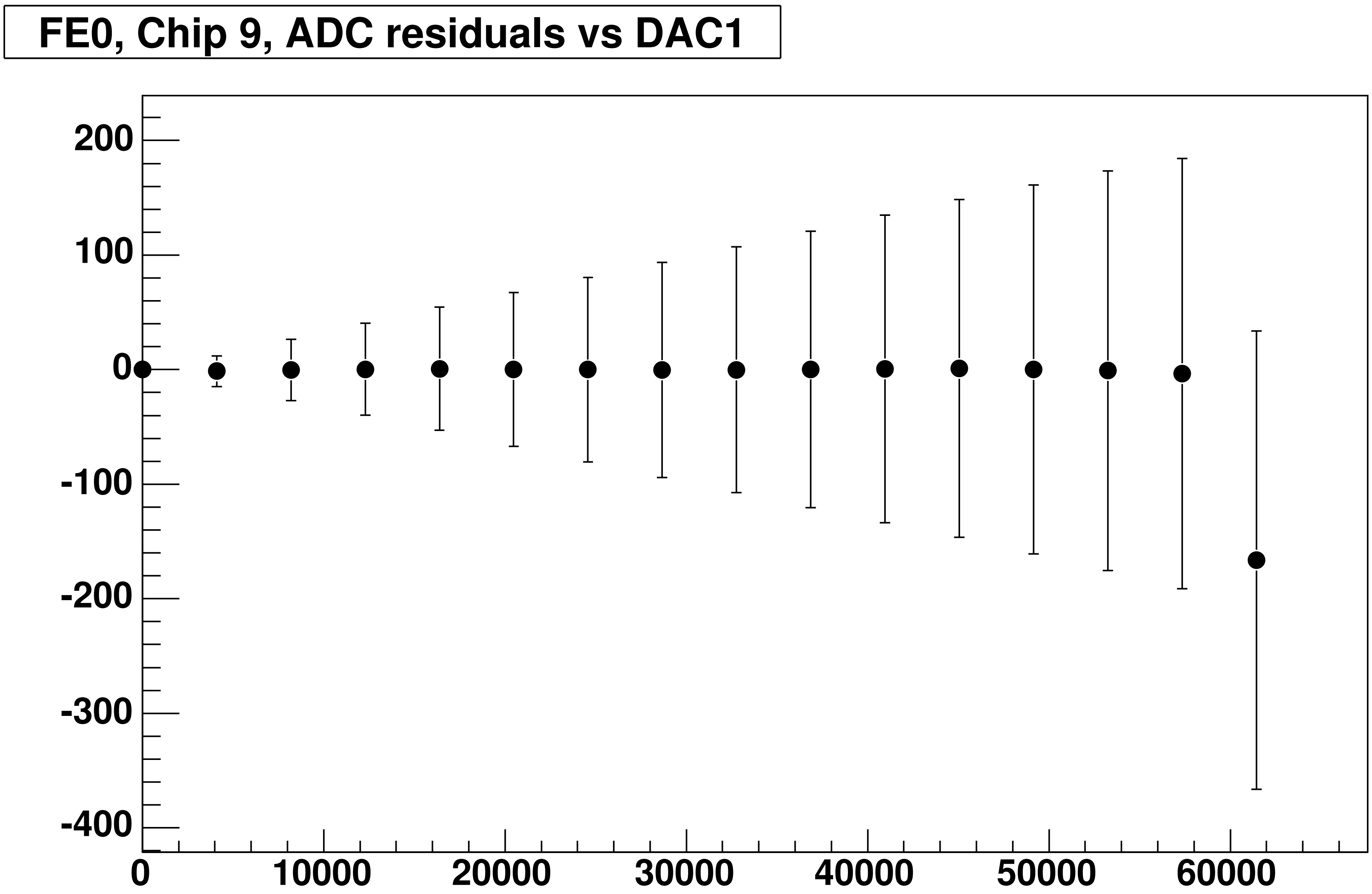
FE0, Chip 9, ADC mean vs DAC0
χ^2 / ndf 0.0009172 / 11
p0 114.3 ± 41.95
p1 0.01407 ± 0.00189
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

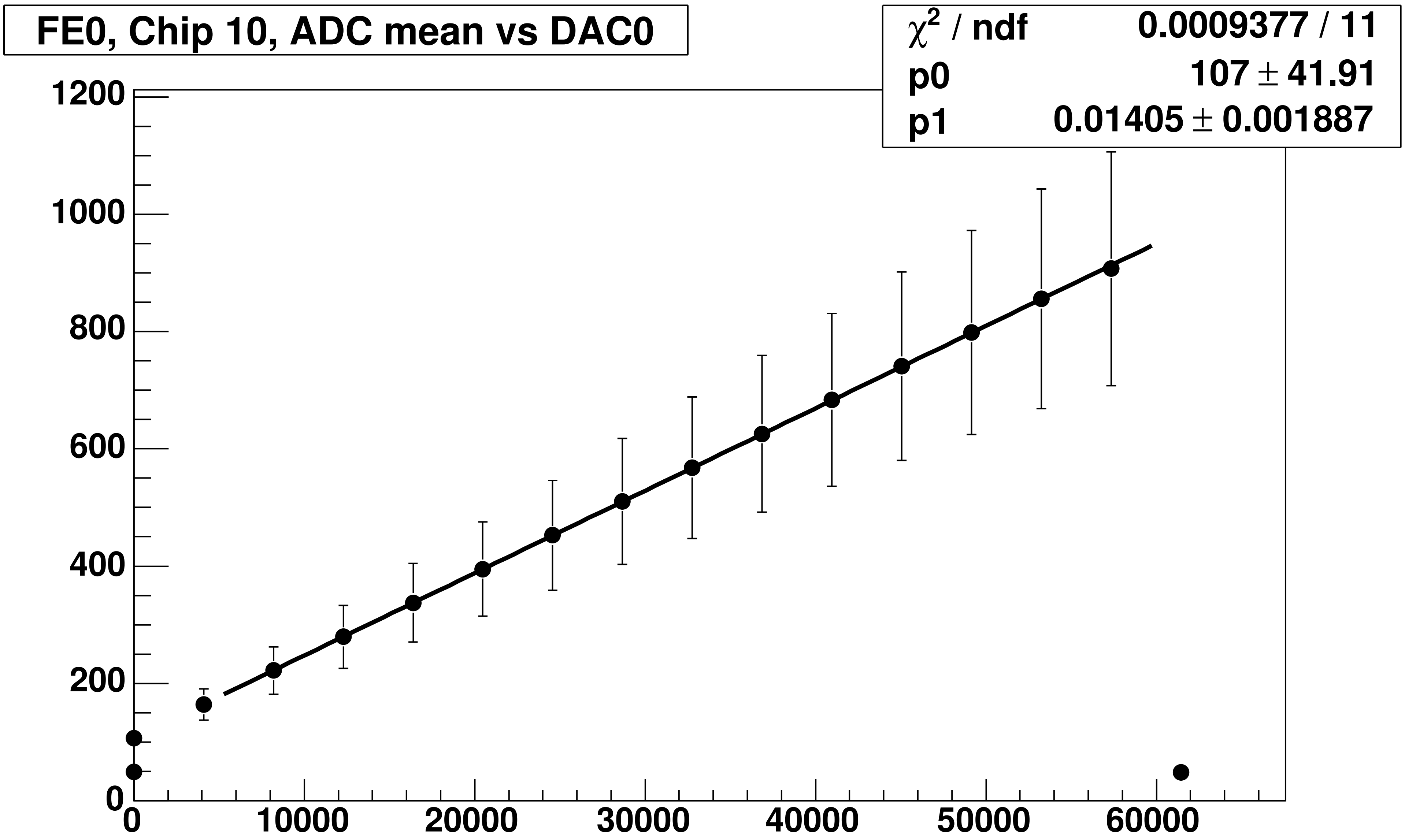

FE0, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

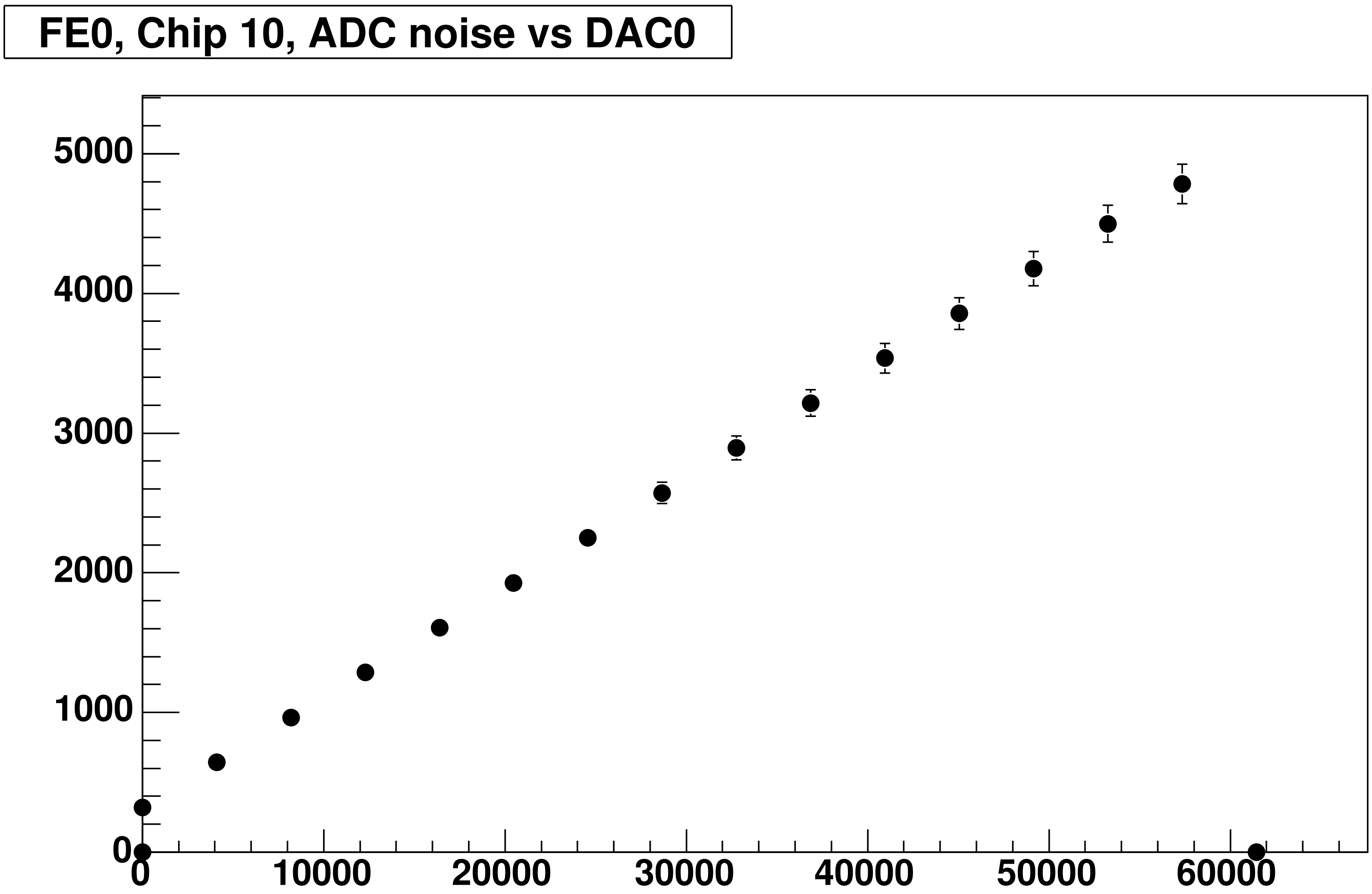

FE0, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

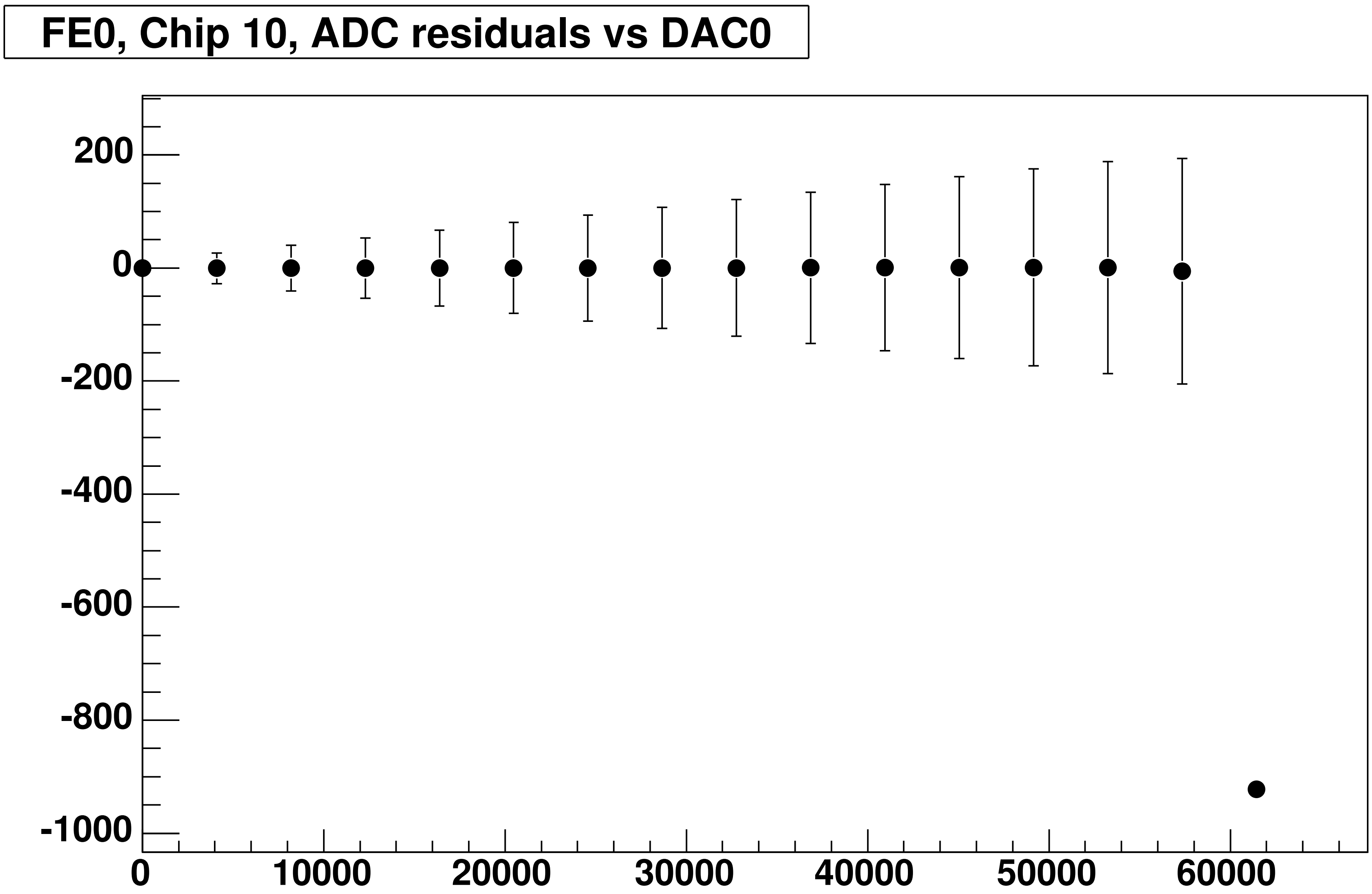

FE0, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0009001 / 11
p0 58.32 ± 31.1
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

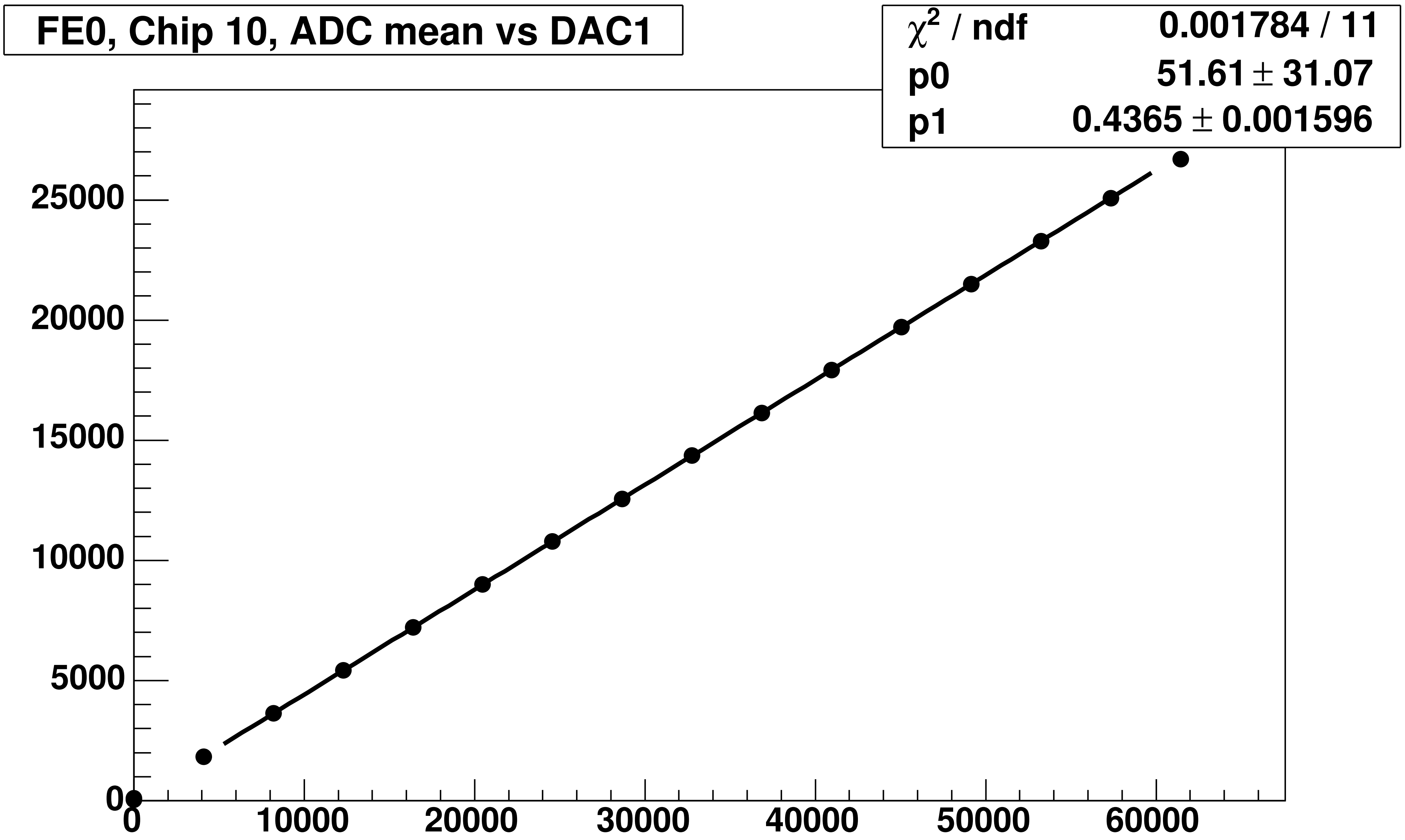

FE0, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 9, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

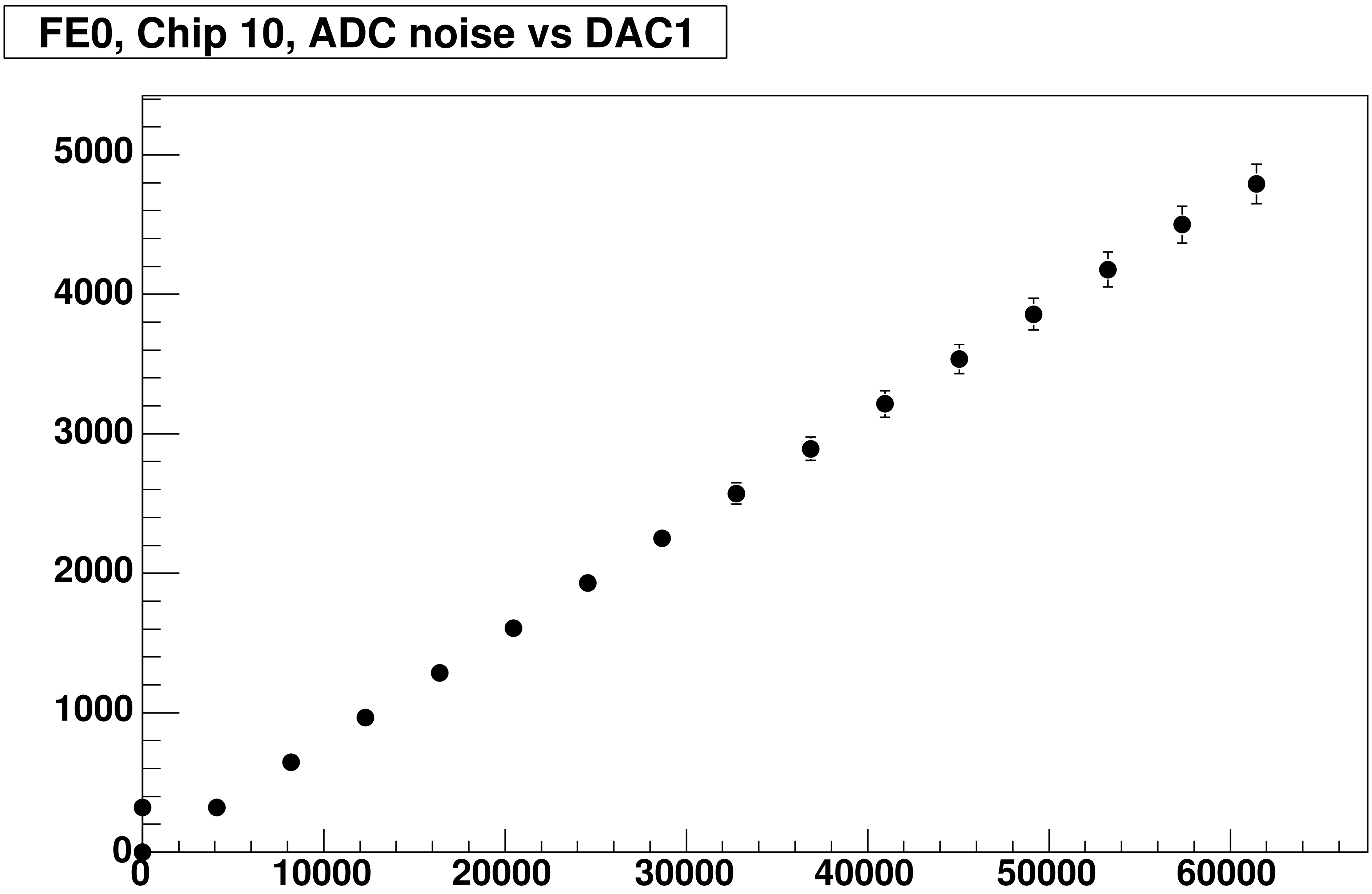

FE0, Chip 10, ADC mean vs DAC0
χ^2 / ndf 0.0009377 / 11
p0 107 ± 41.91
p1 0.01405 ± 0.001887
0
200
400
600
800
1000
1200
10000
20000
30000
40000
50000
60000

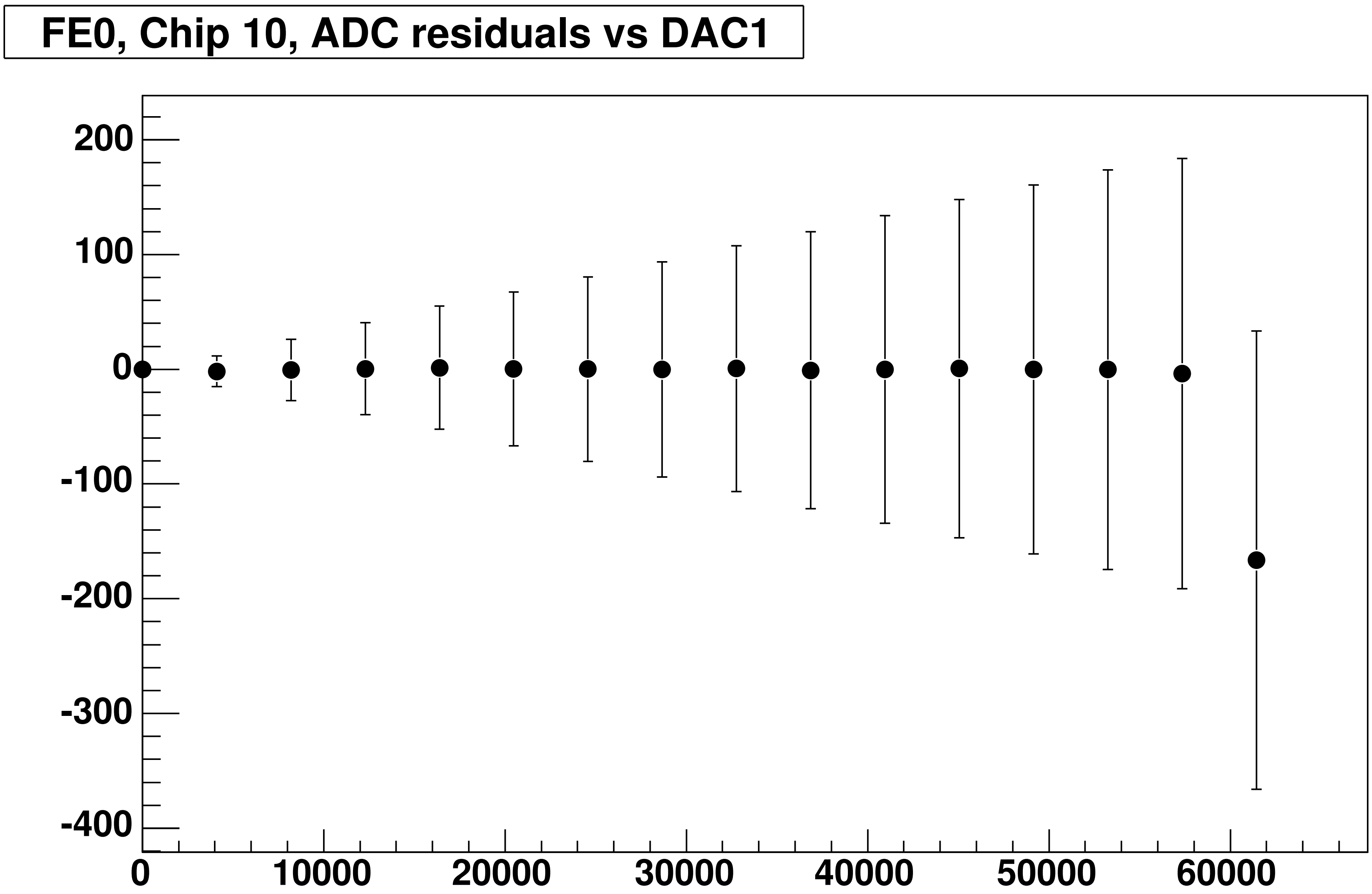

FE0, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

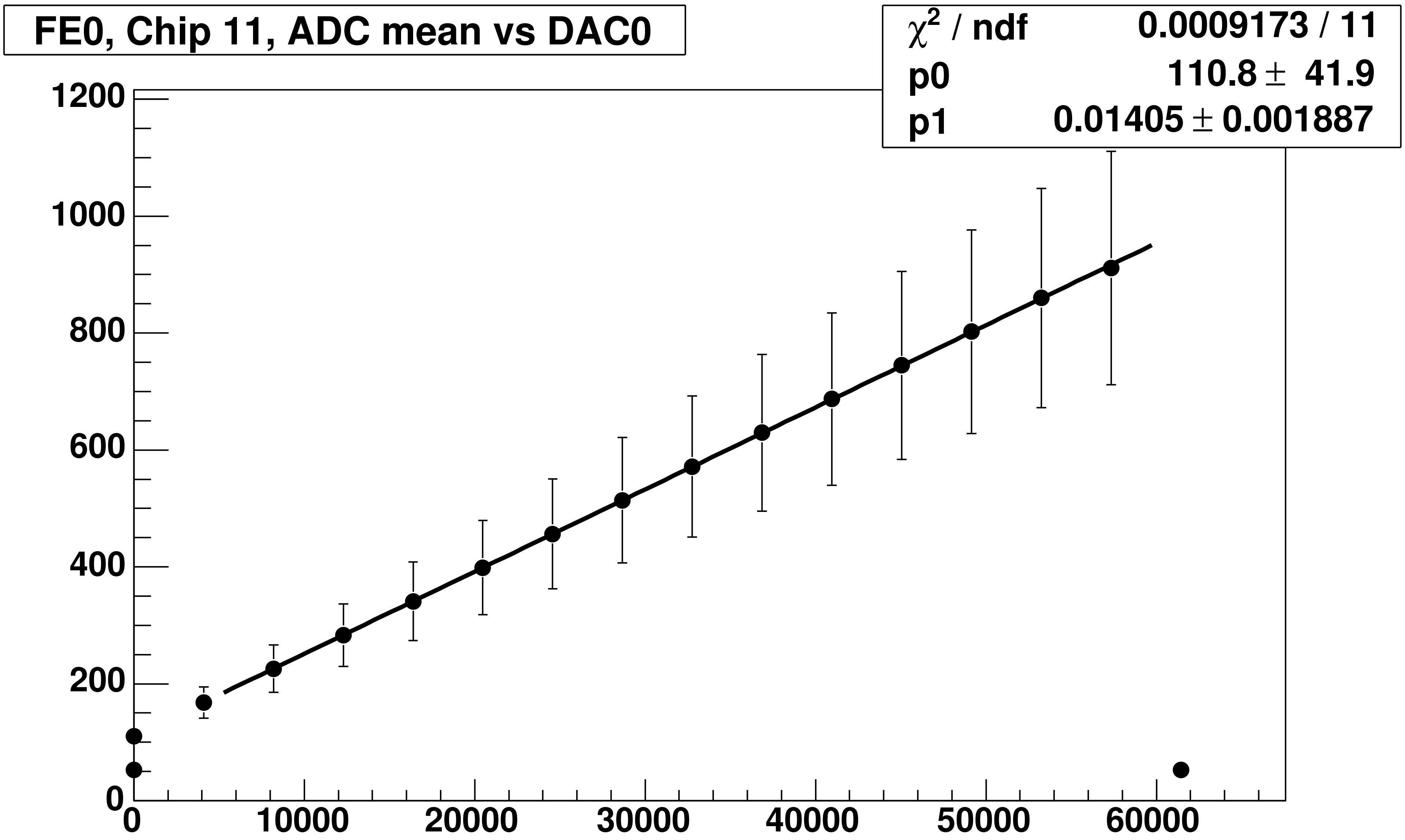

FE0, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



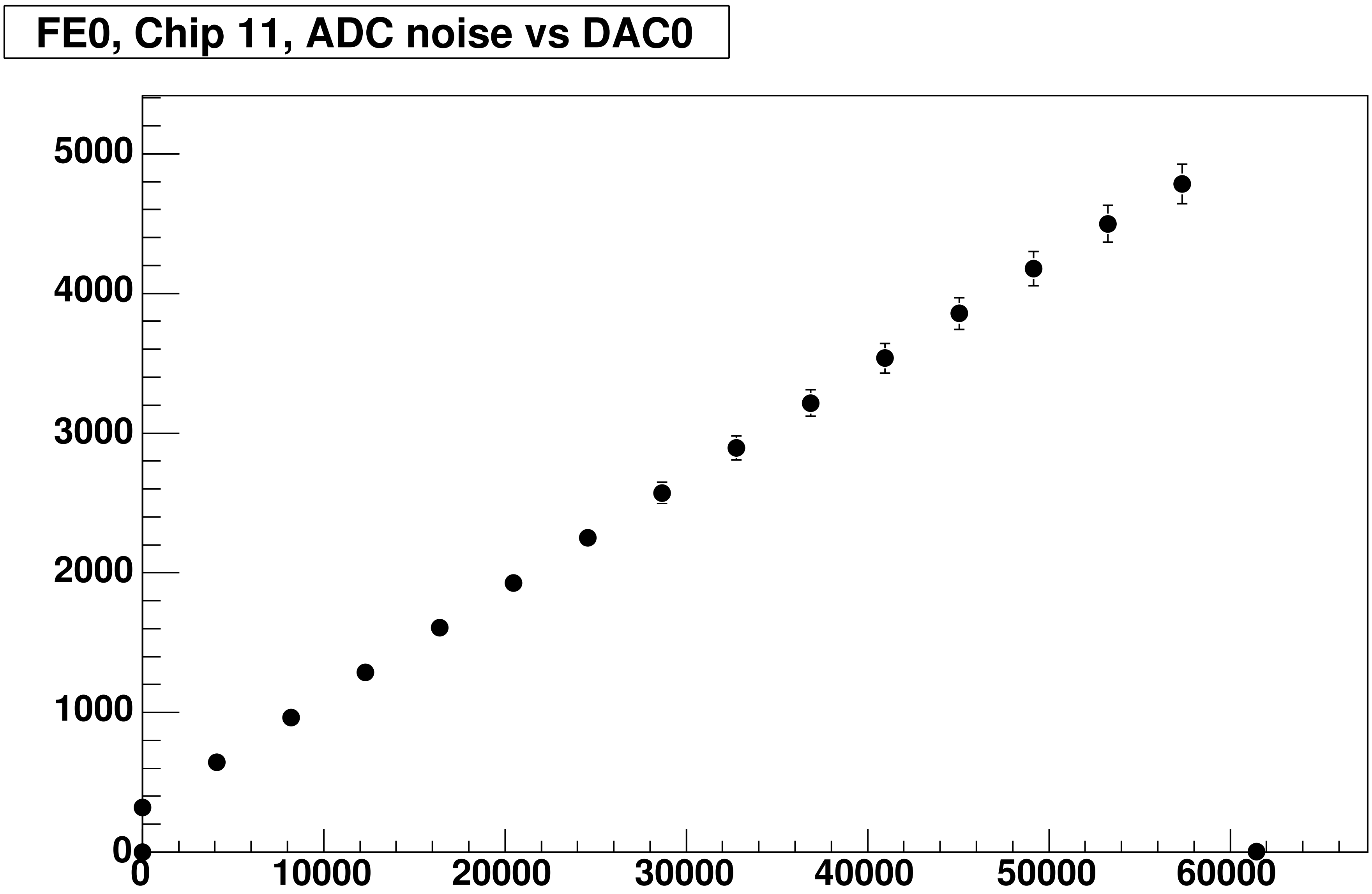
FE0, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001784 / 11
p0 51.61 ± 31.07
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

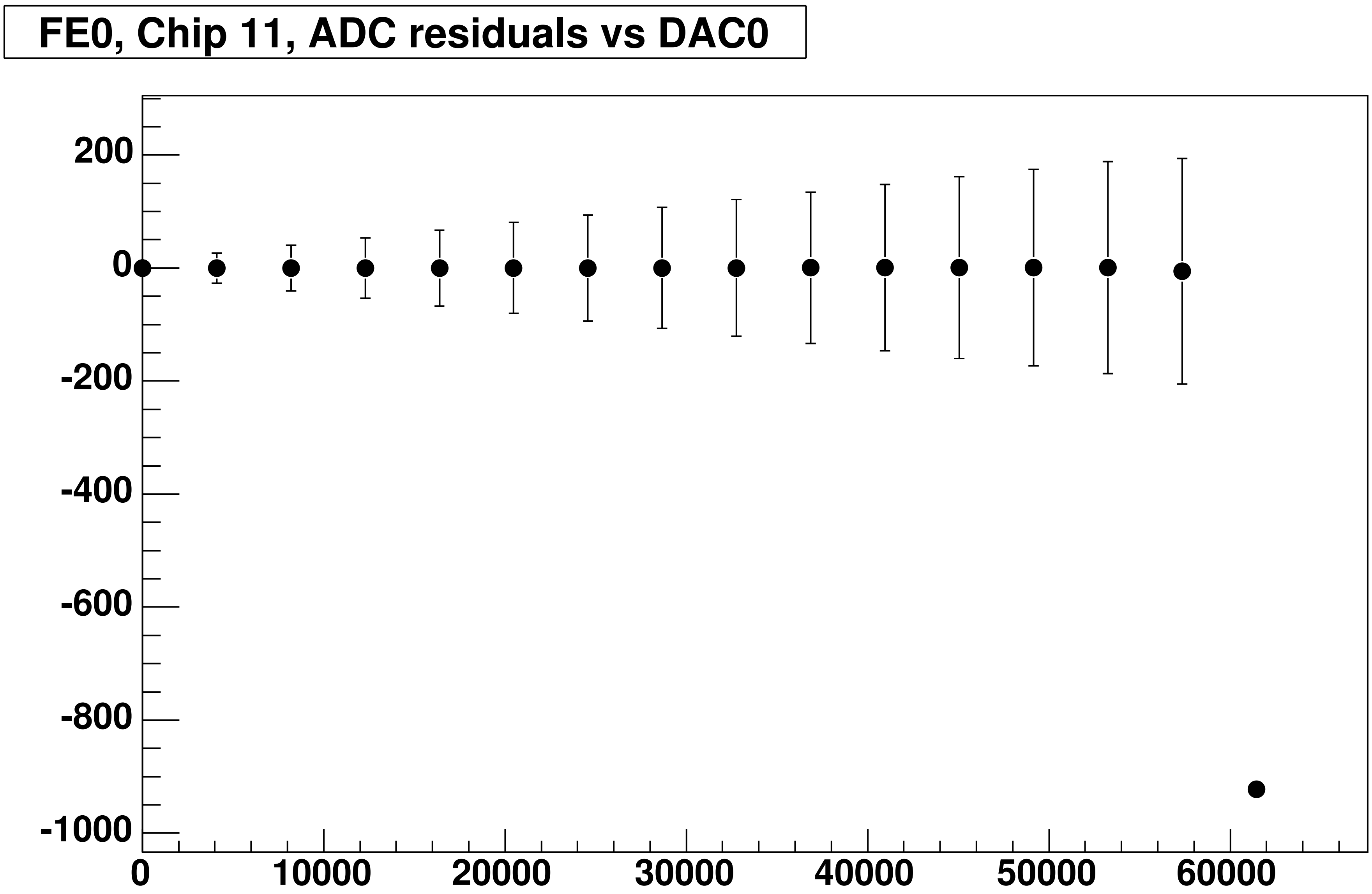

FE0, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE0, Chip 10, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

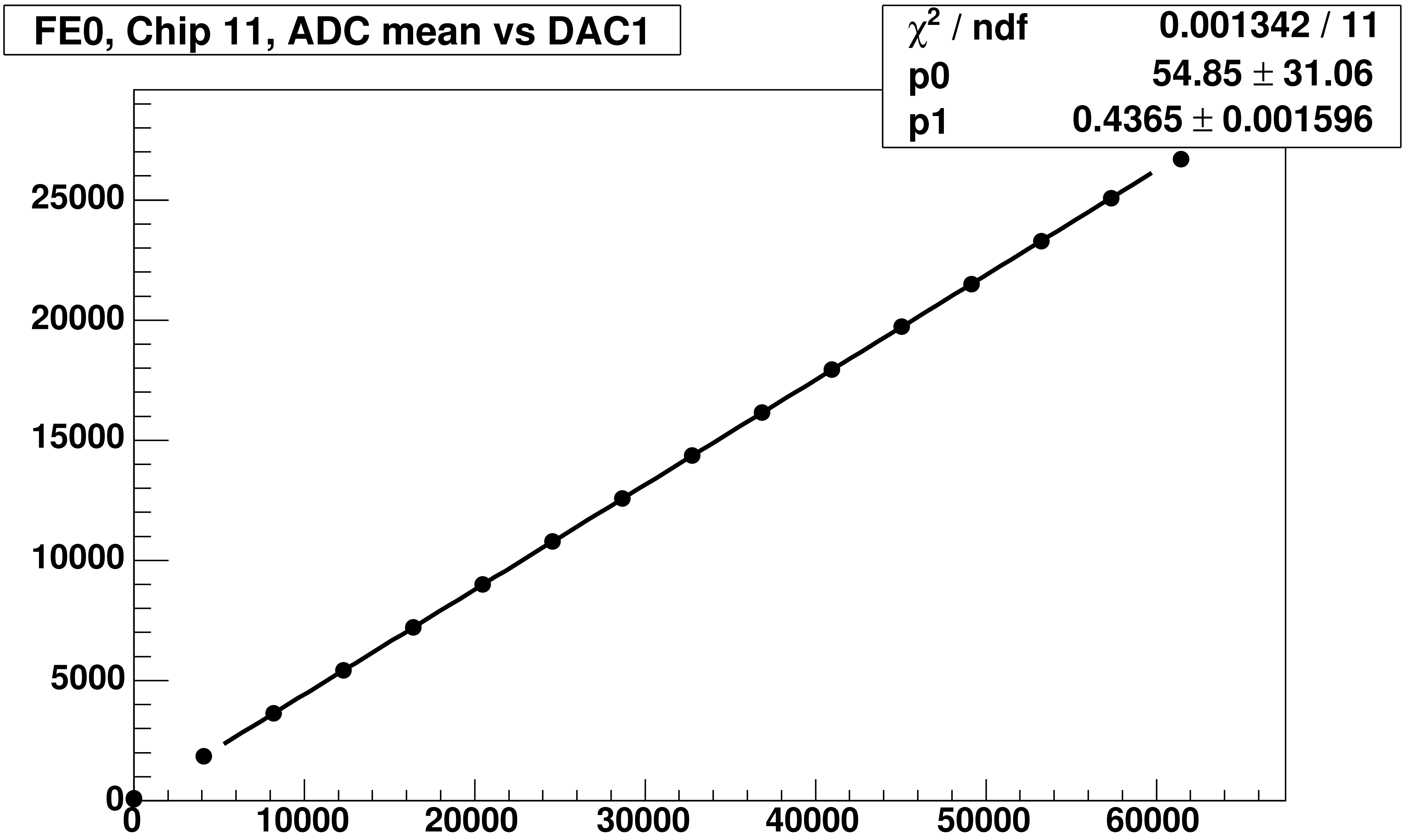


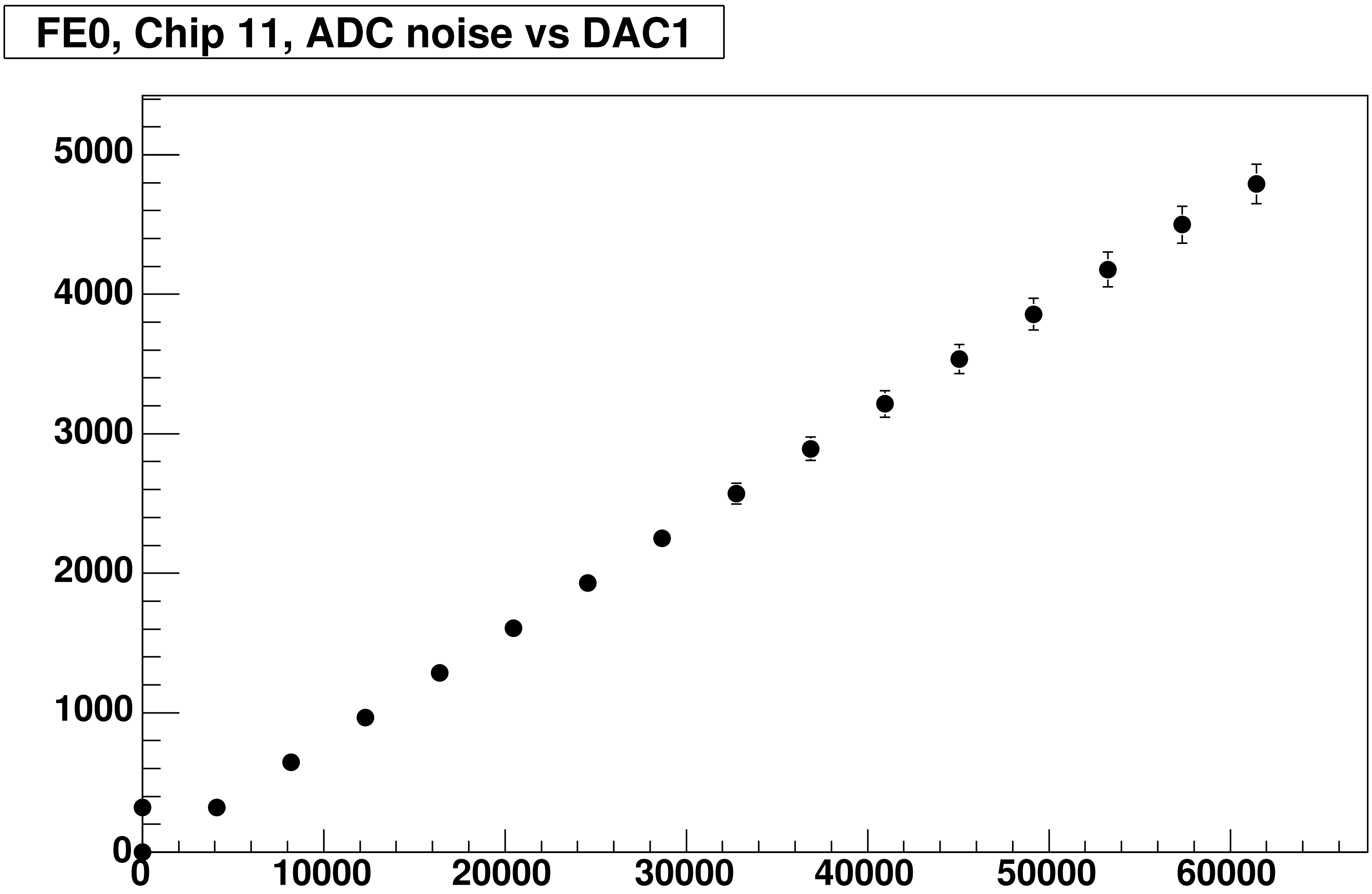
FE0, Chip 11, ADC mean vs DAC0
χ^2 / ndf 0.0009173 / 11
p0 110.8 ± 41.9
p1 0.01405 ± 0.001887
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

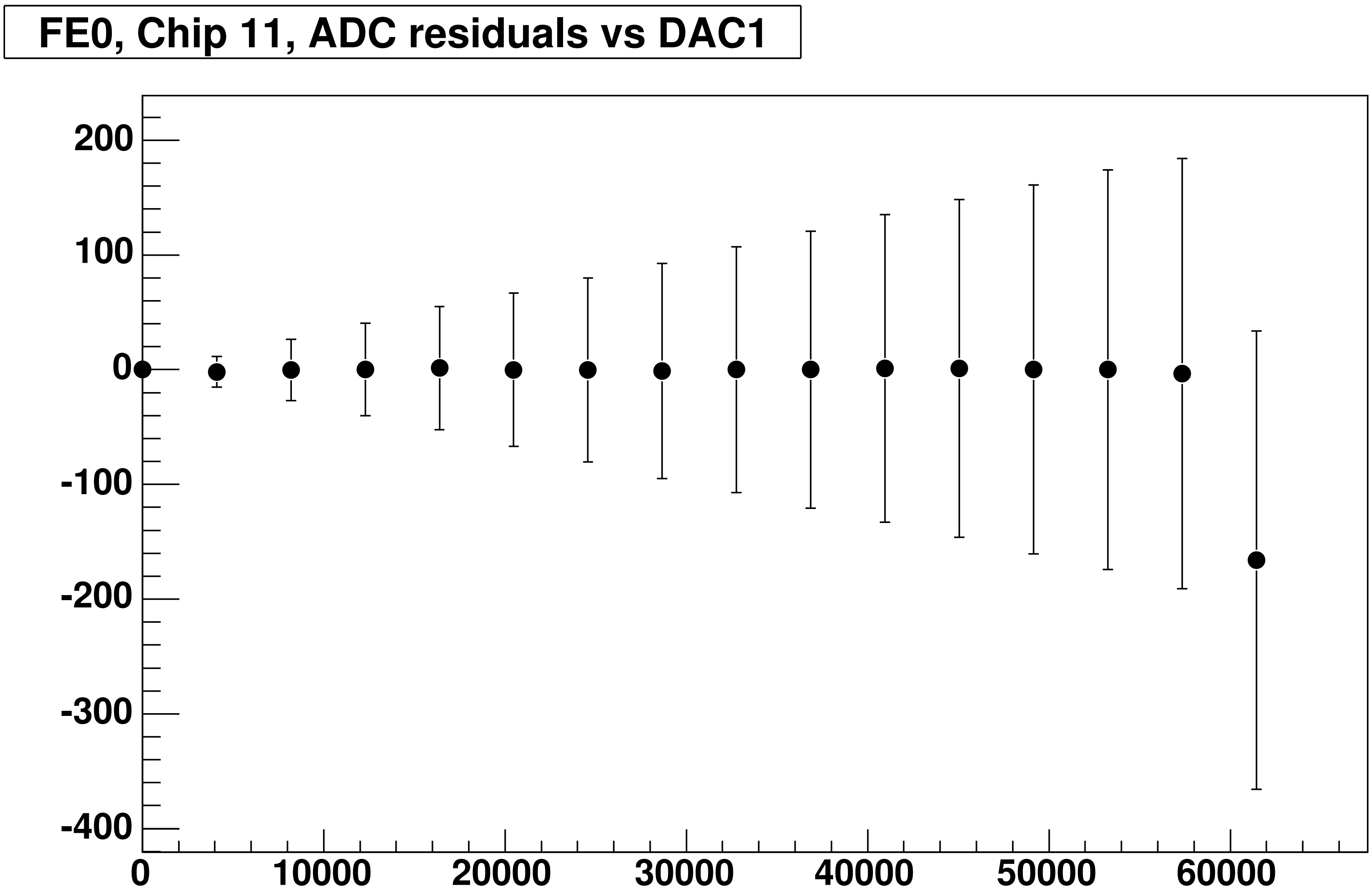

FE0, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

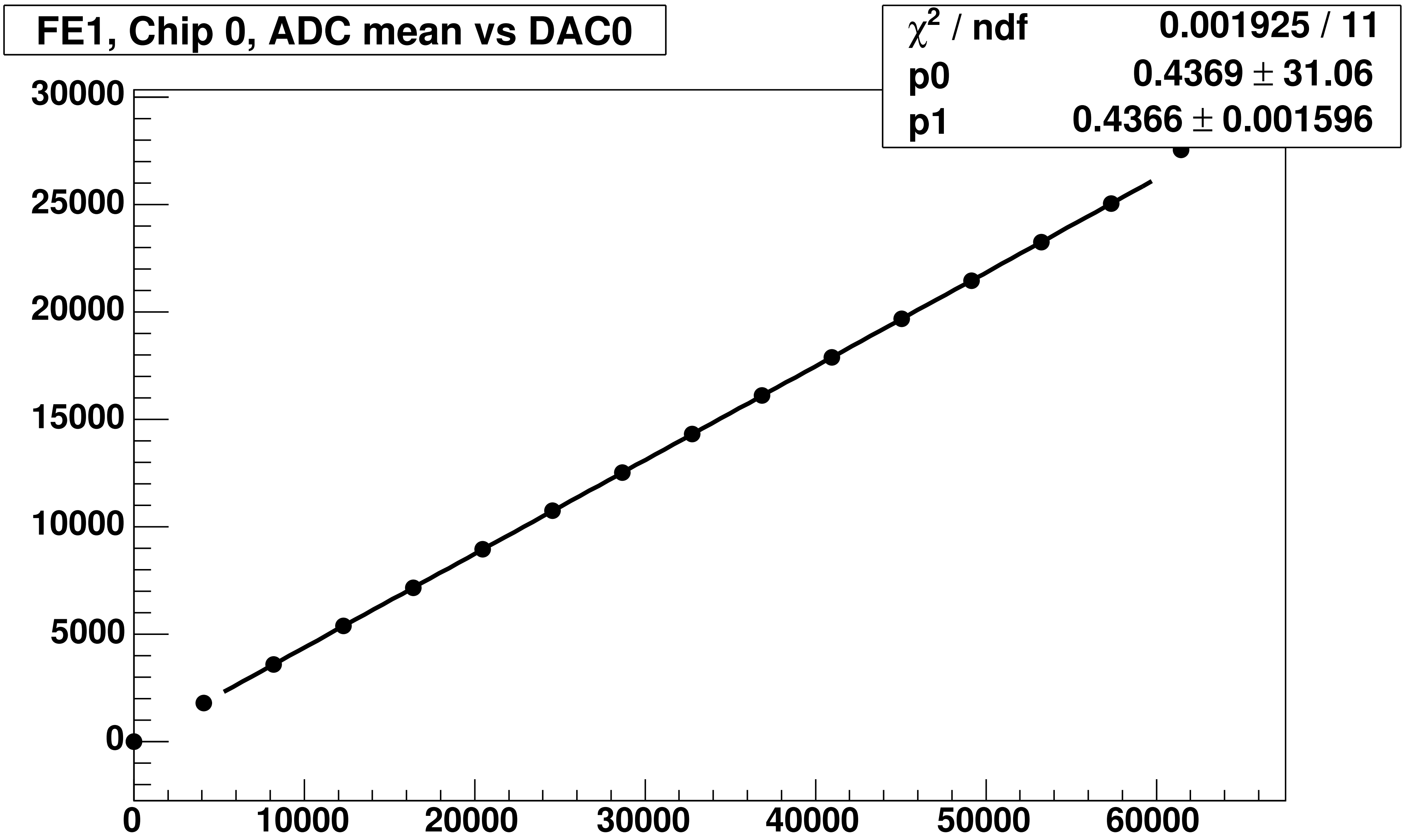


FE0, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

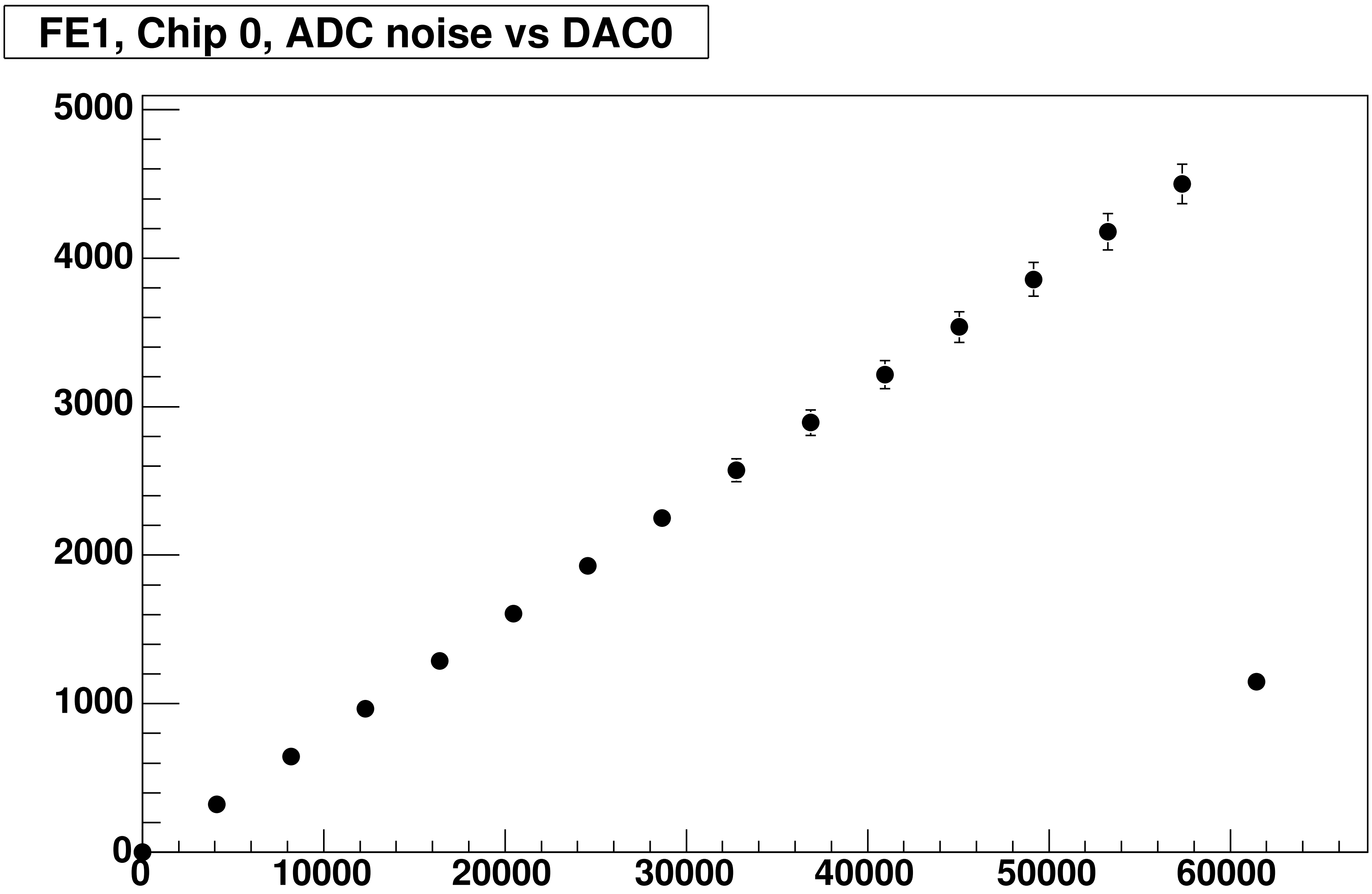

FE0, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.001342 / 11
p0 54.85 ± 31.06
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

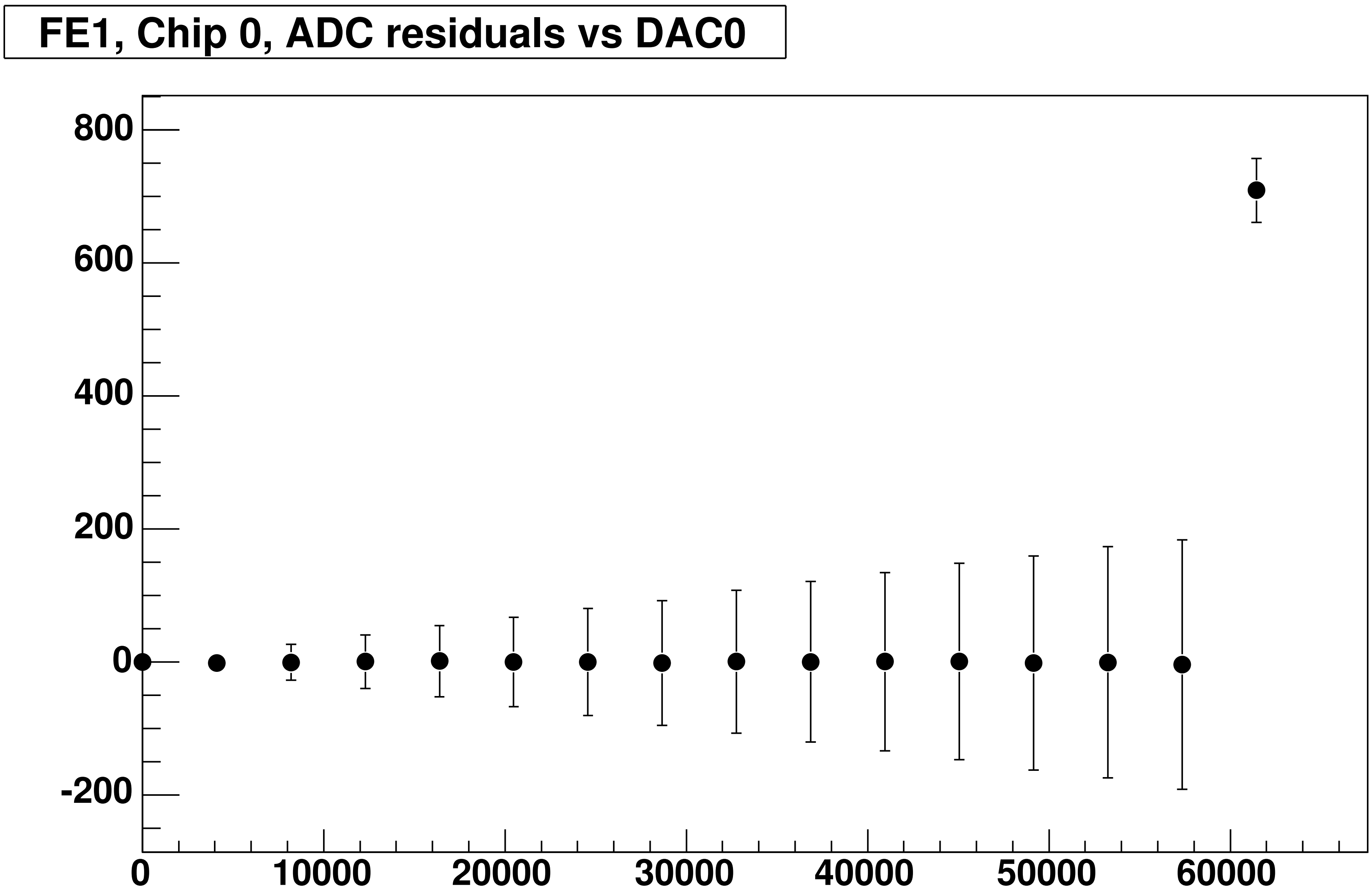

FE0, Chip 11, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

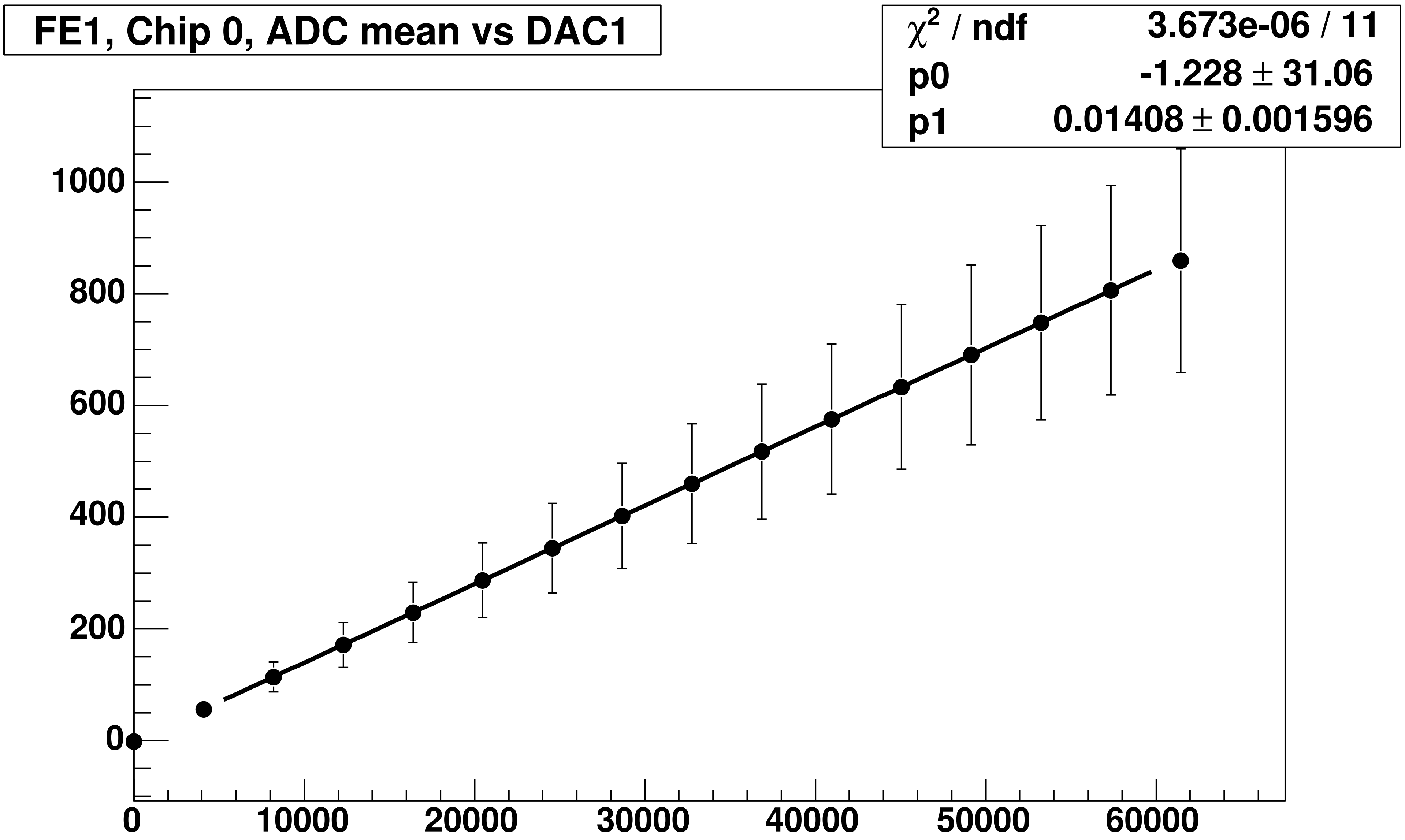


FE1, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001925 / 11
p0 0.4369 ± 31.06
p1 0.4366 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

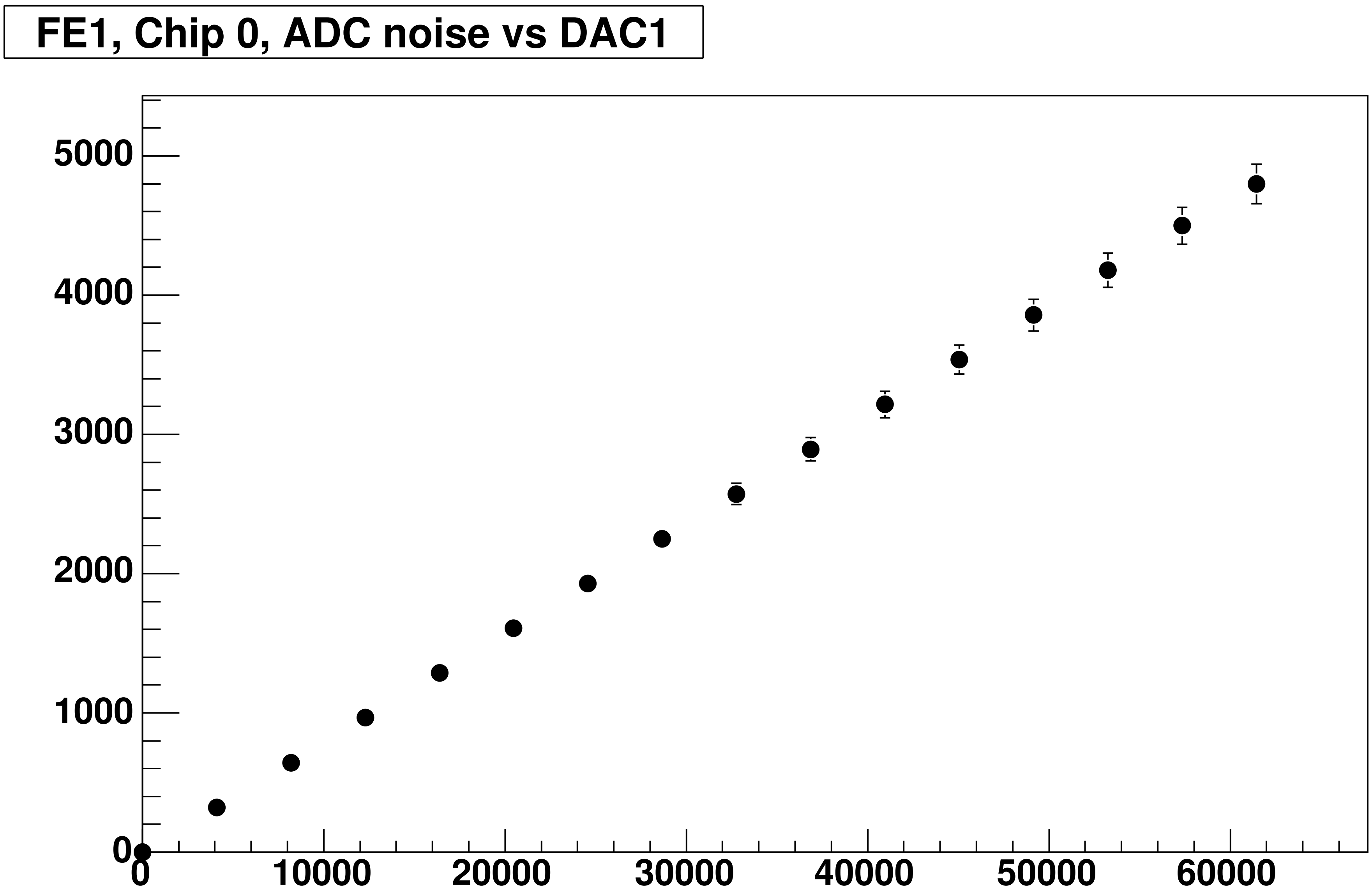


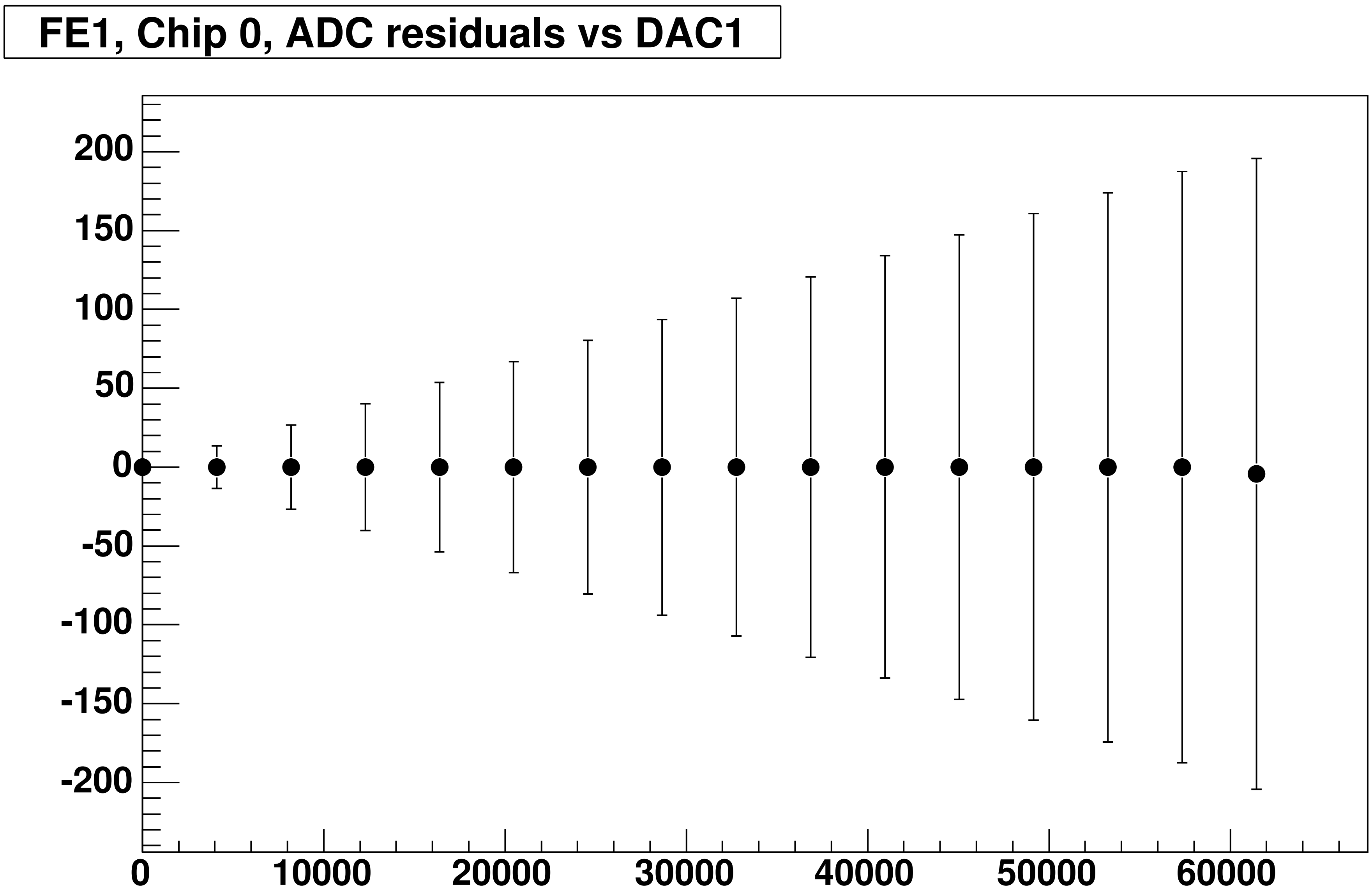
FE1, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

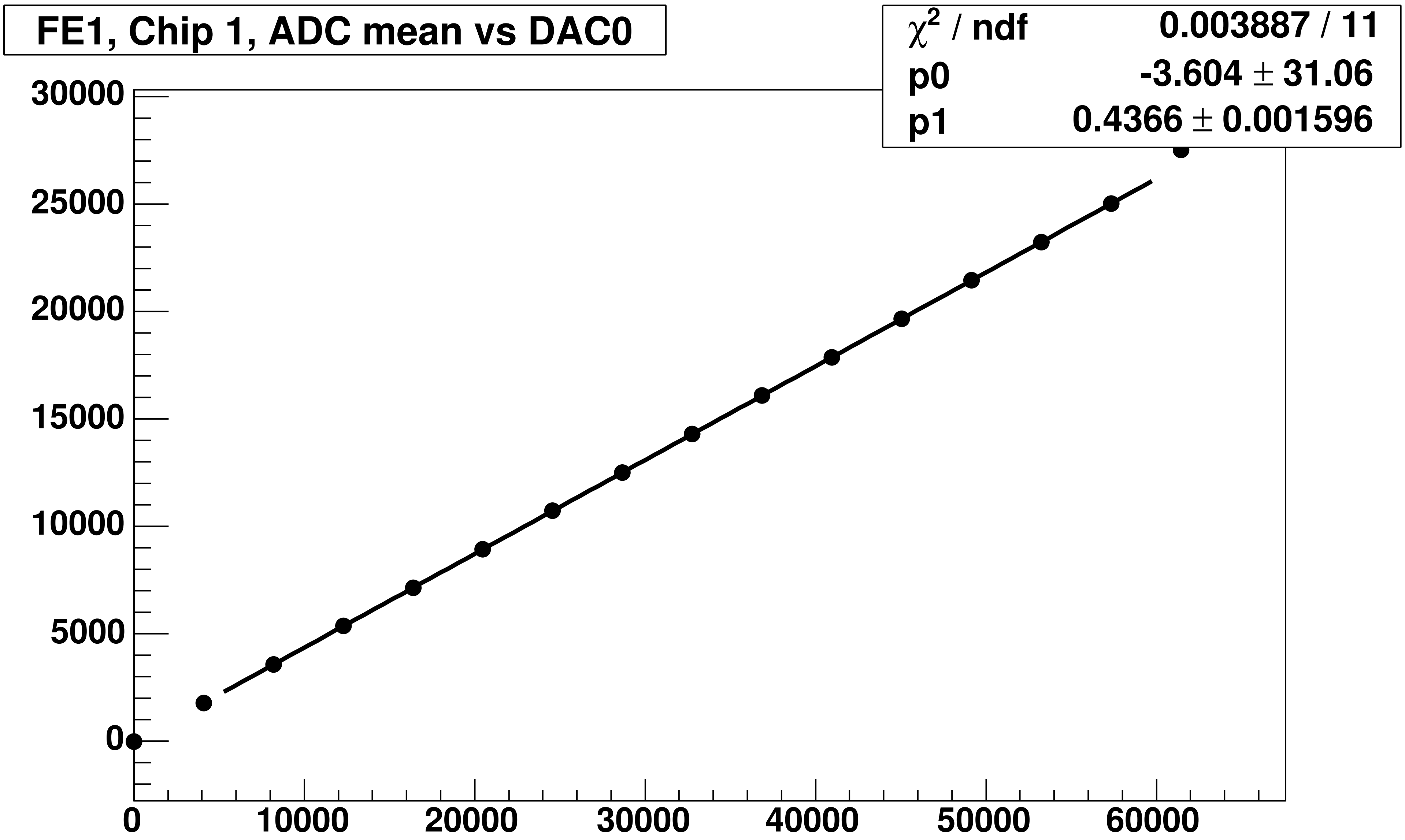

FE1, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

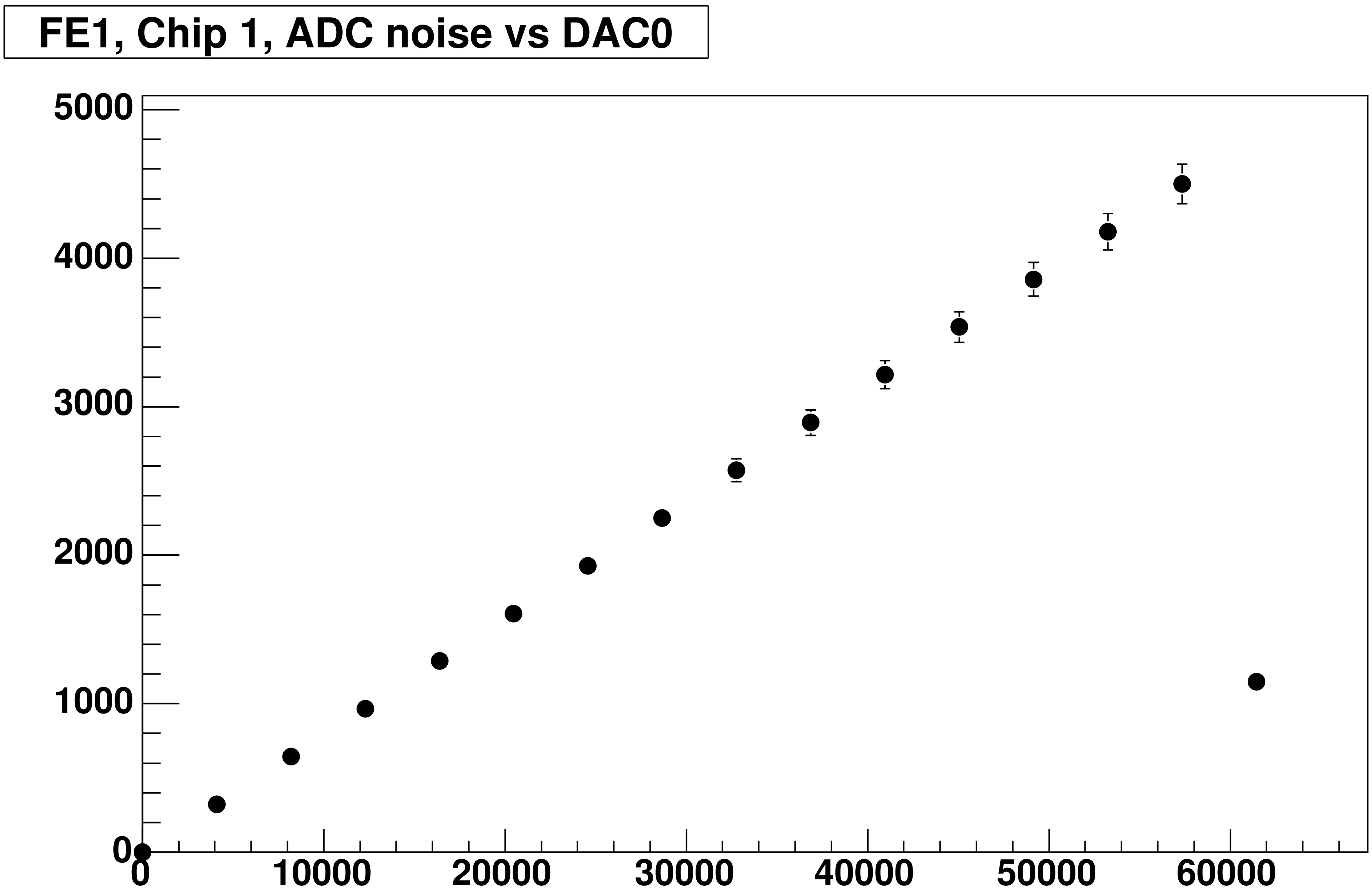


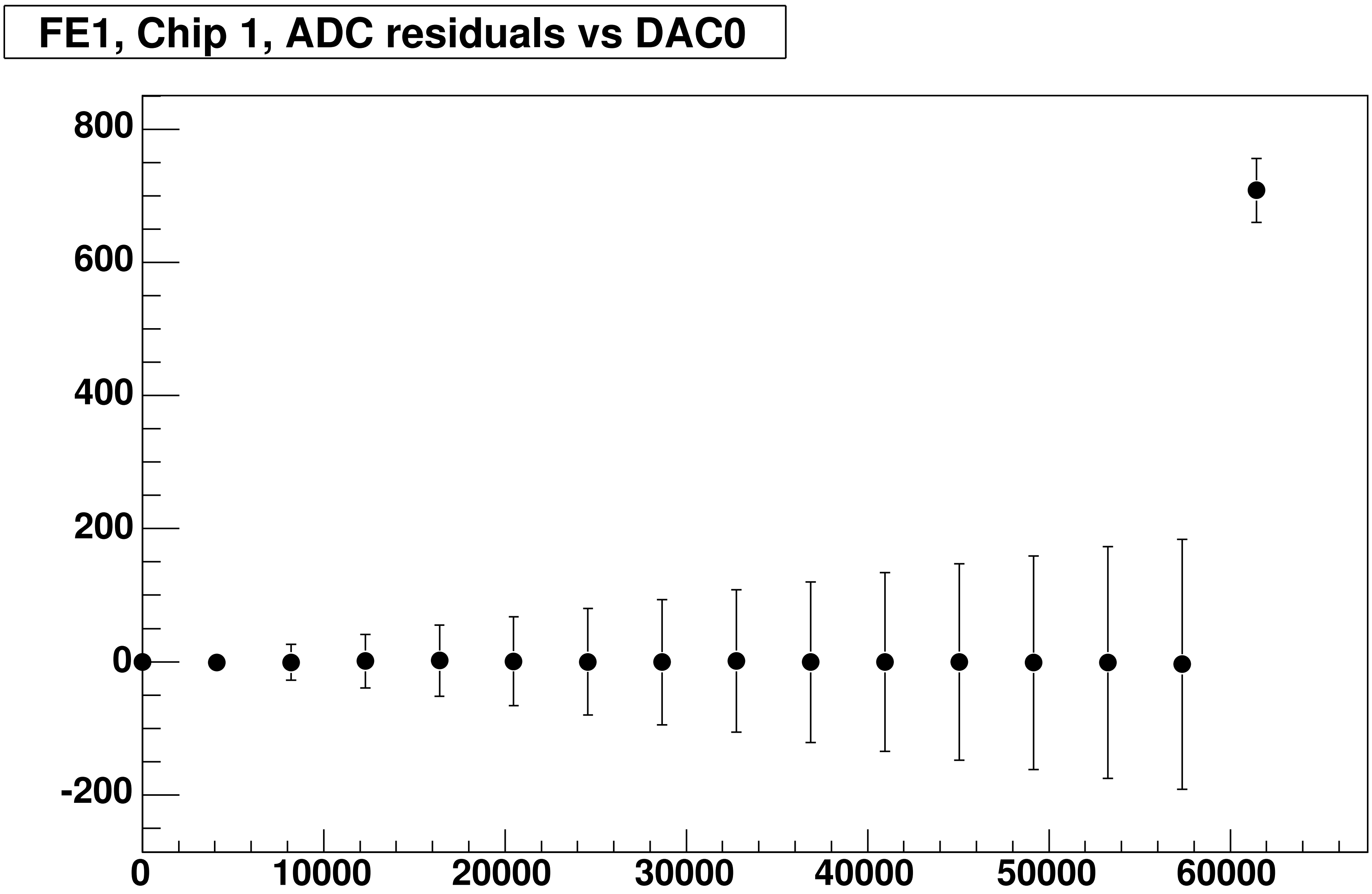
FE1, Chip 0, ADC mean vs DAC1
χ^2 / ndf 3.673e-06 / 11
p0 -1.228 ± 31.06
p1 0.01408 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

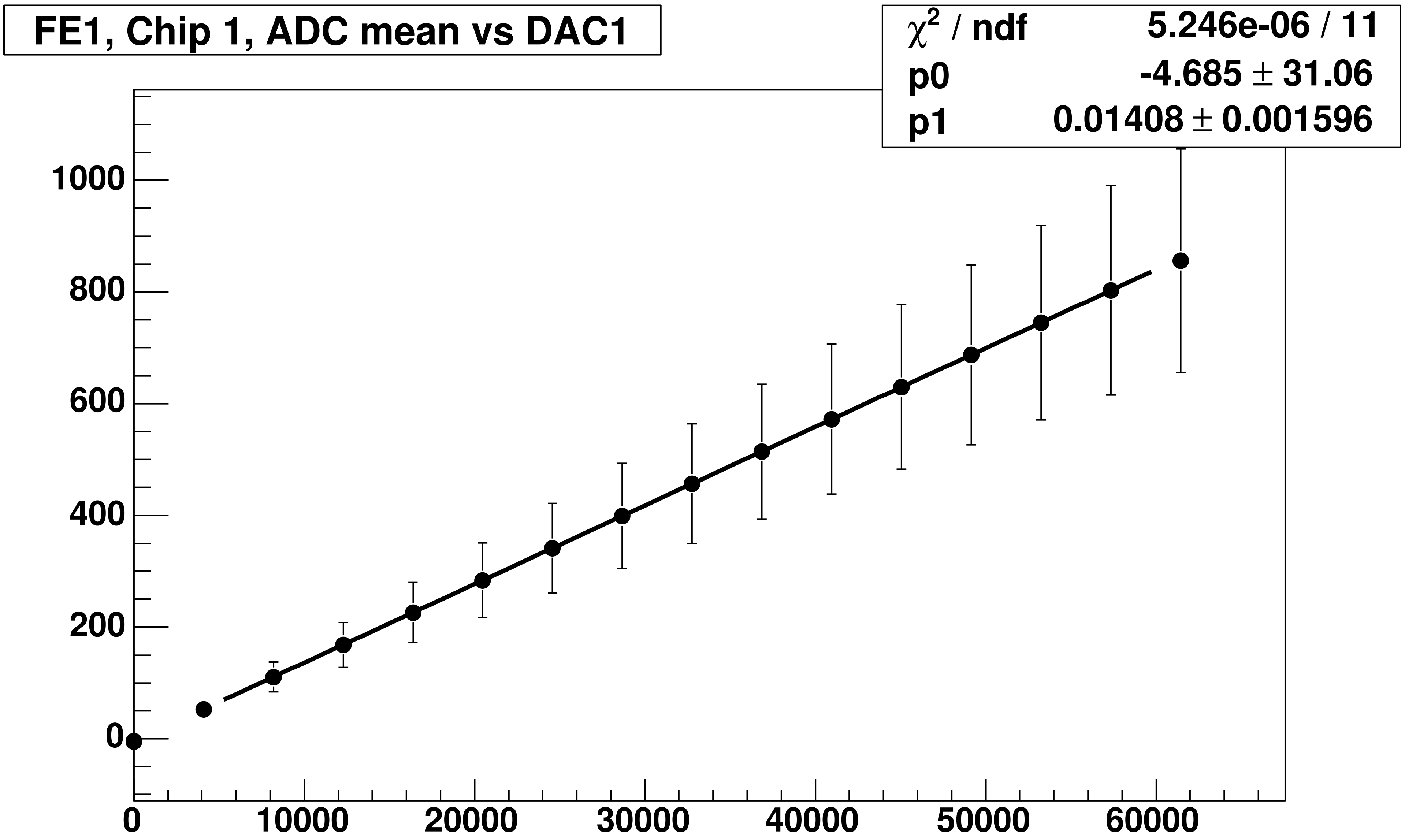

FE1, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.003887 / 11
p0 -3.604 ± 31.06
p1 0.4366 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

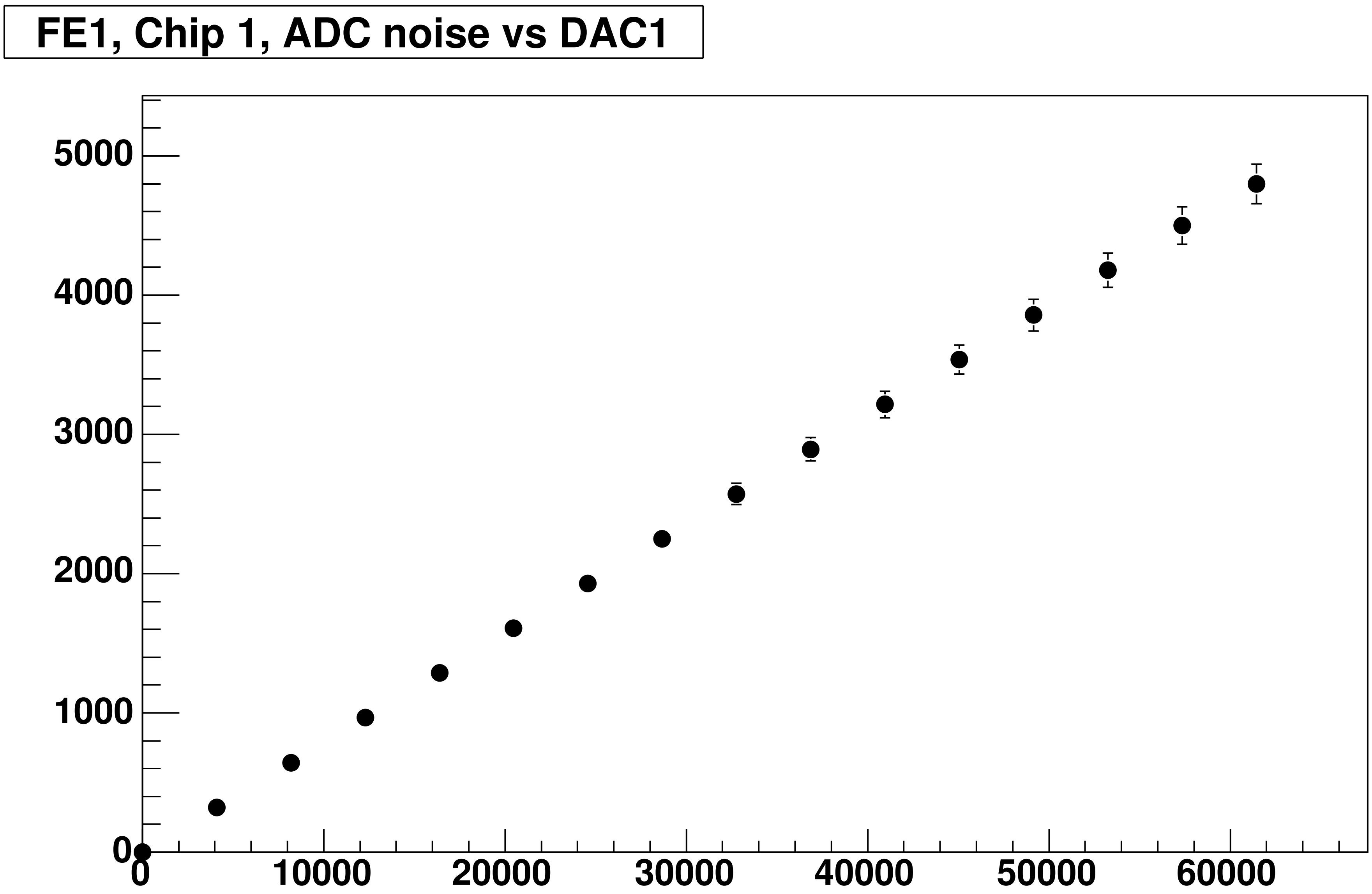

FE1, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

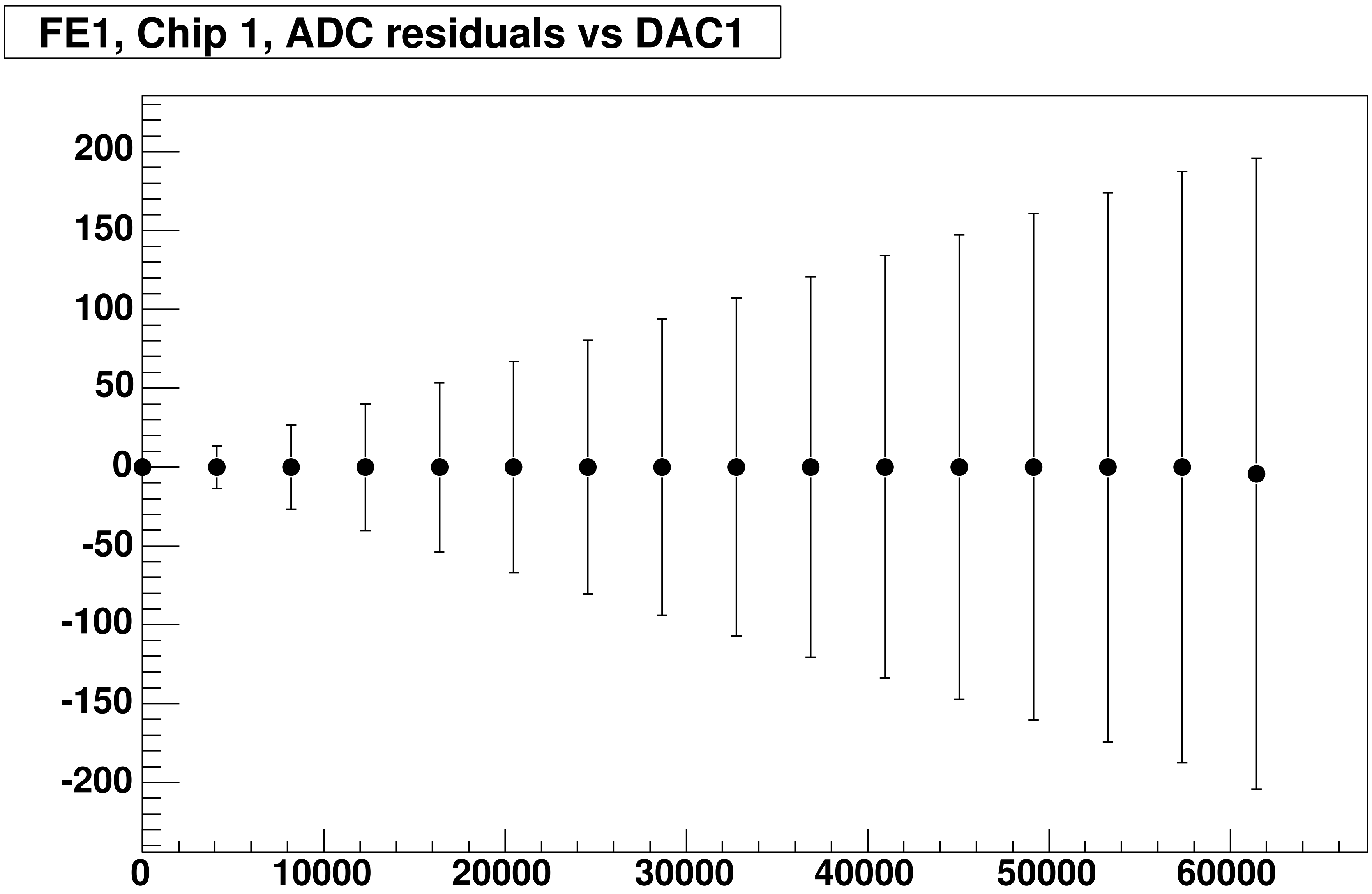


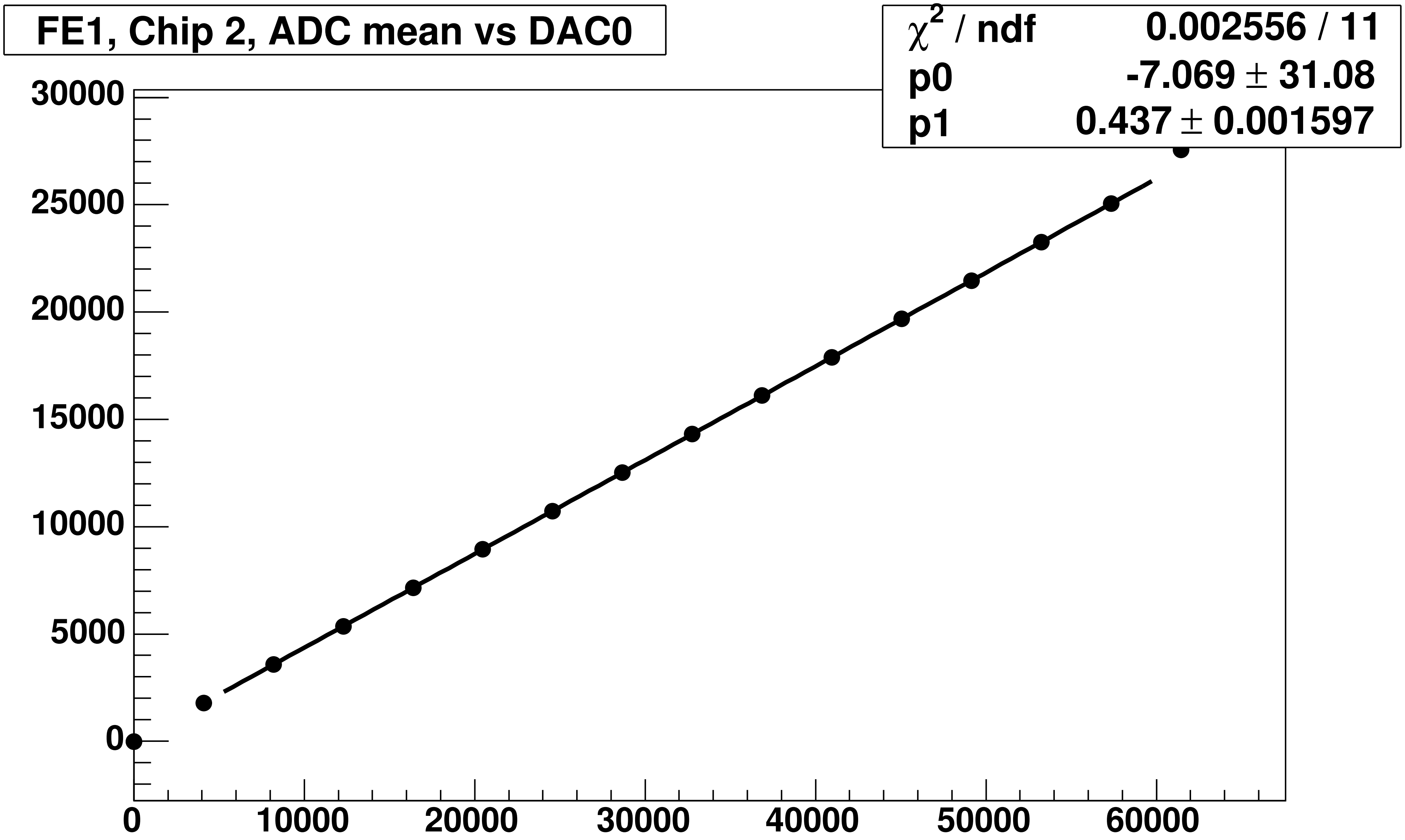
FE1, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



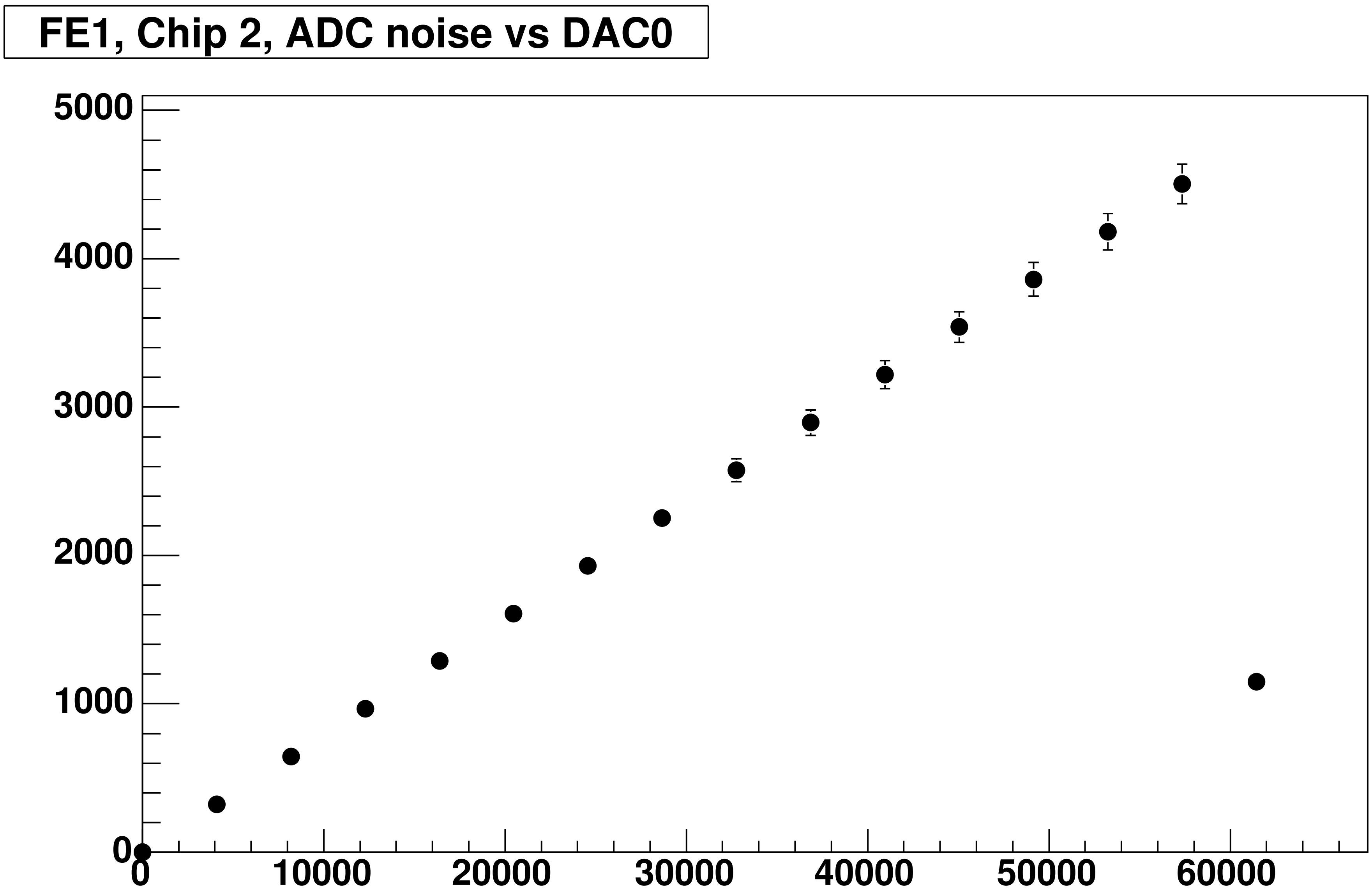
FE1, Chip 1, ADC mean vs DAC1
χ^2 / ndf 5.246e-06 / 11
p0 -4.685 ± 31.06
p1 0.01408 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

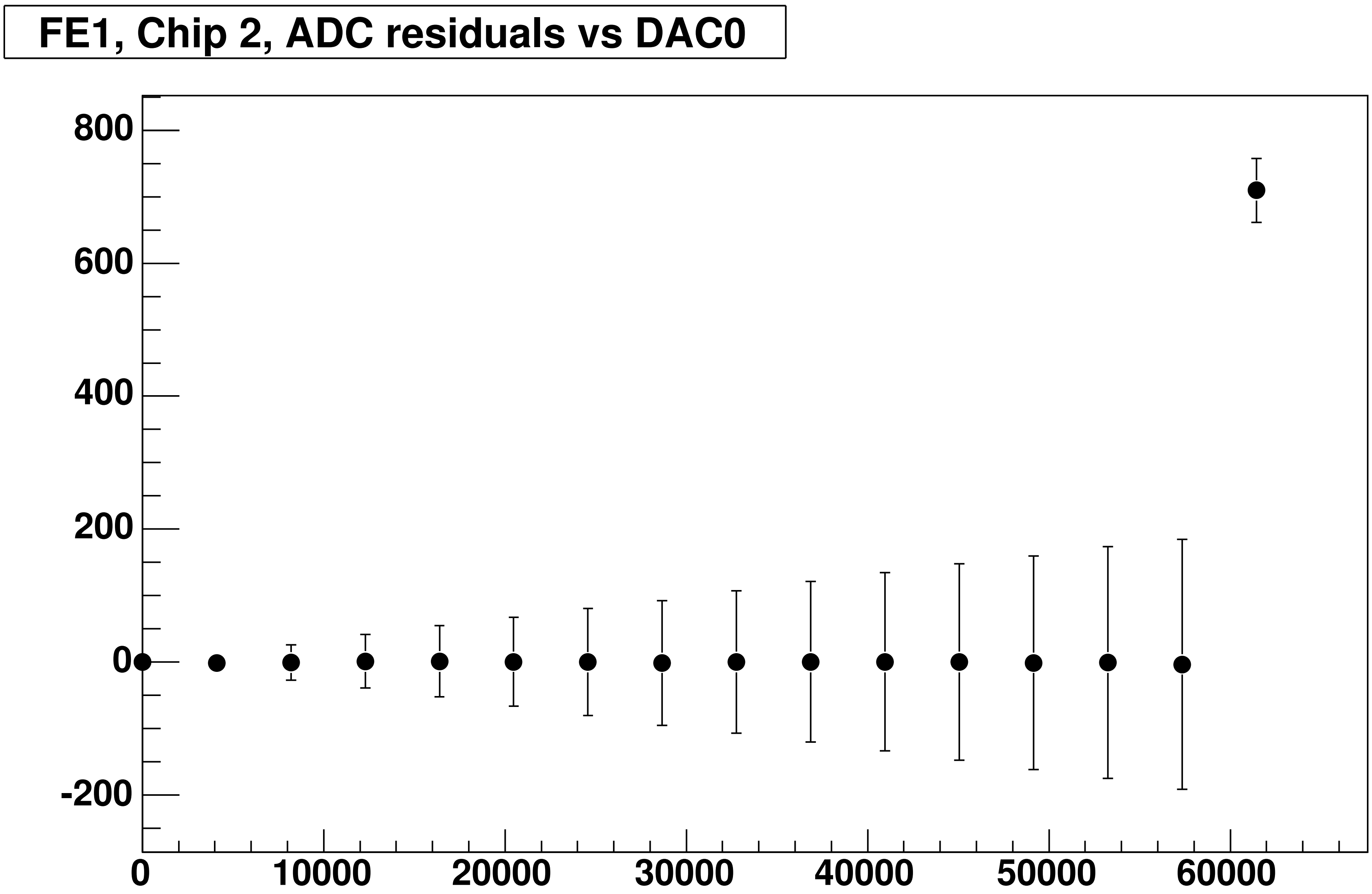

FE1, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

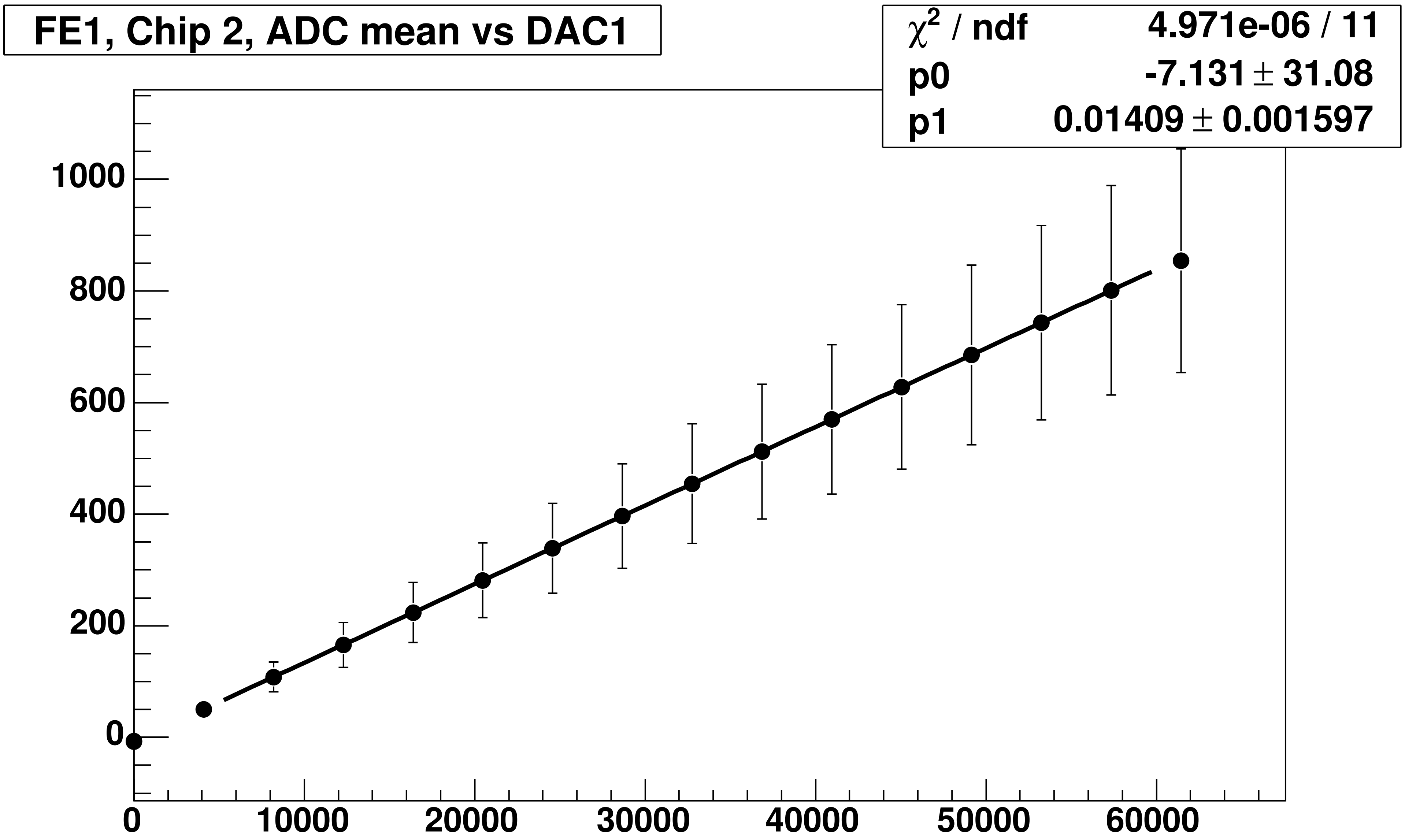

FE1, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

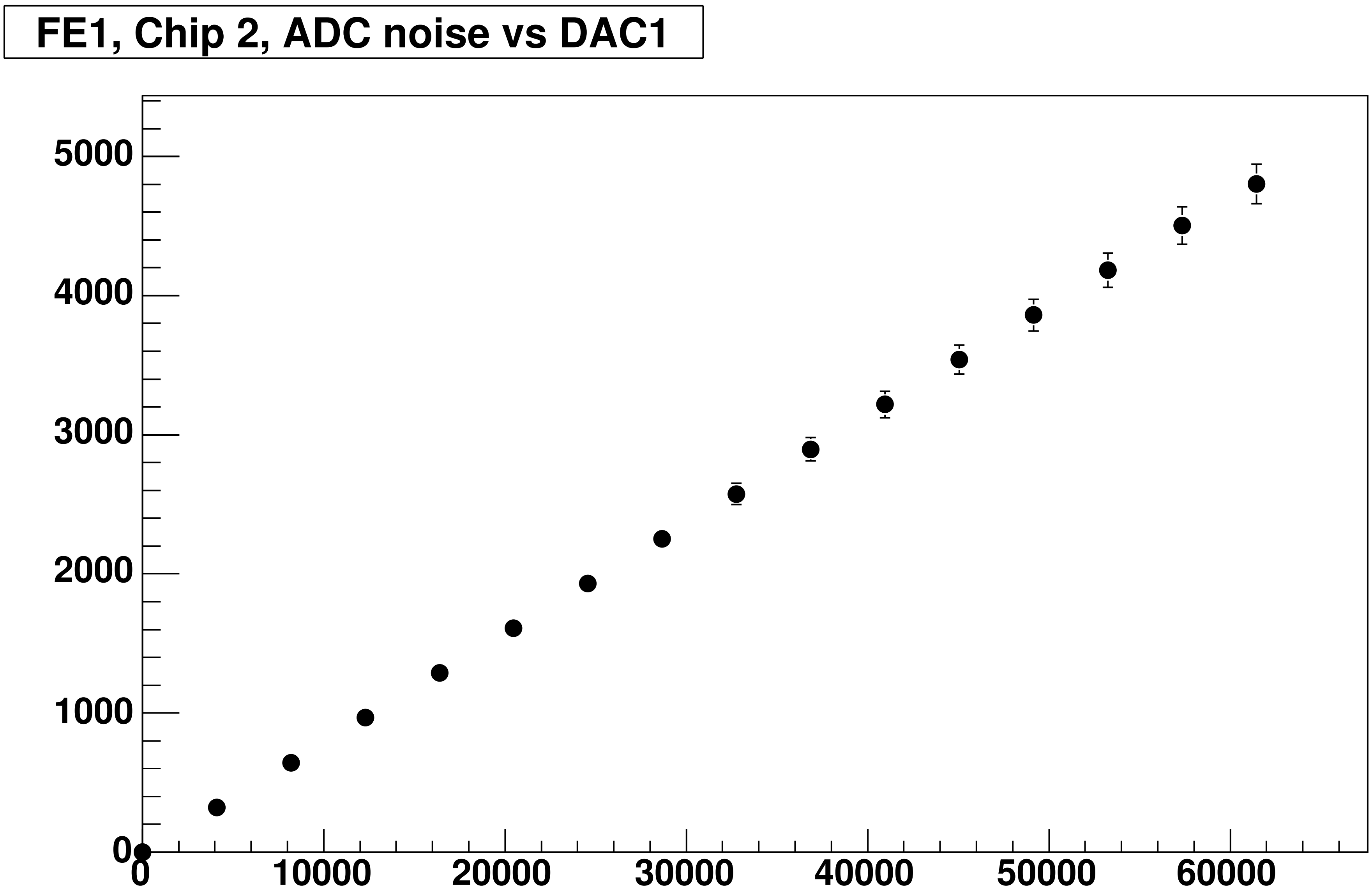


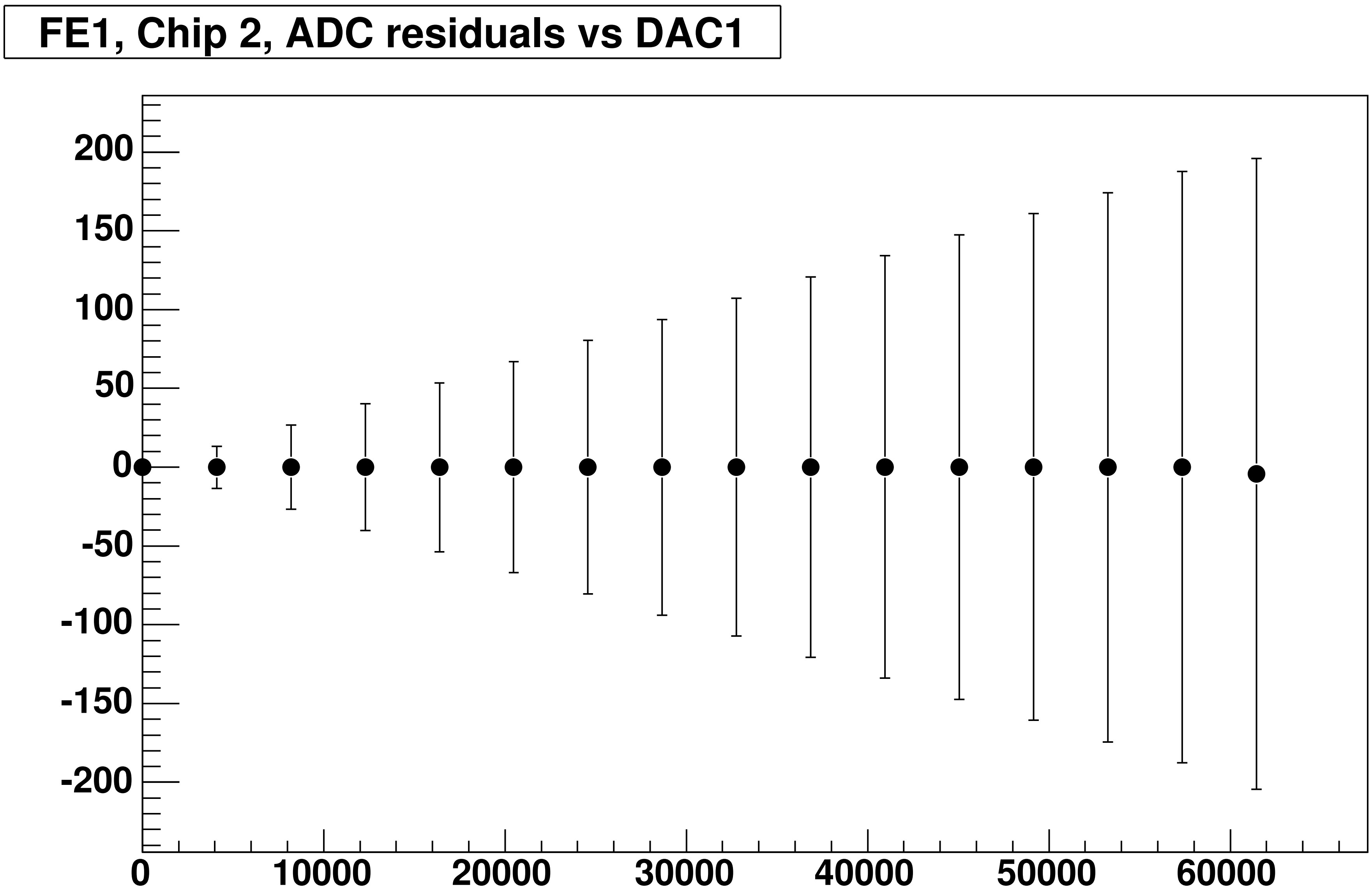
FE1, Chip 2, ADC mean vs DAC0
χ² / ndf 0.002556 / 11
p0 -7.069 ± 31.08
p1 0.437 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

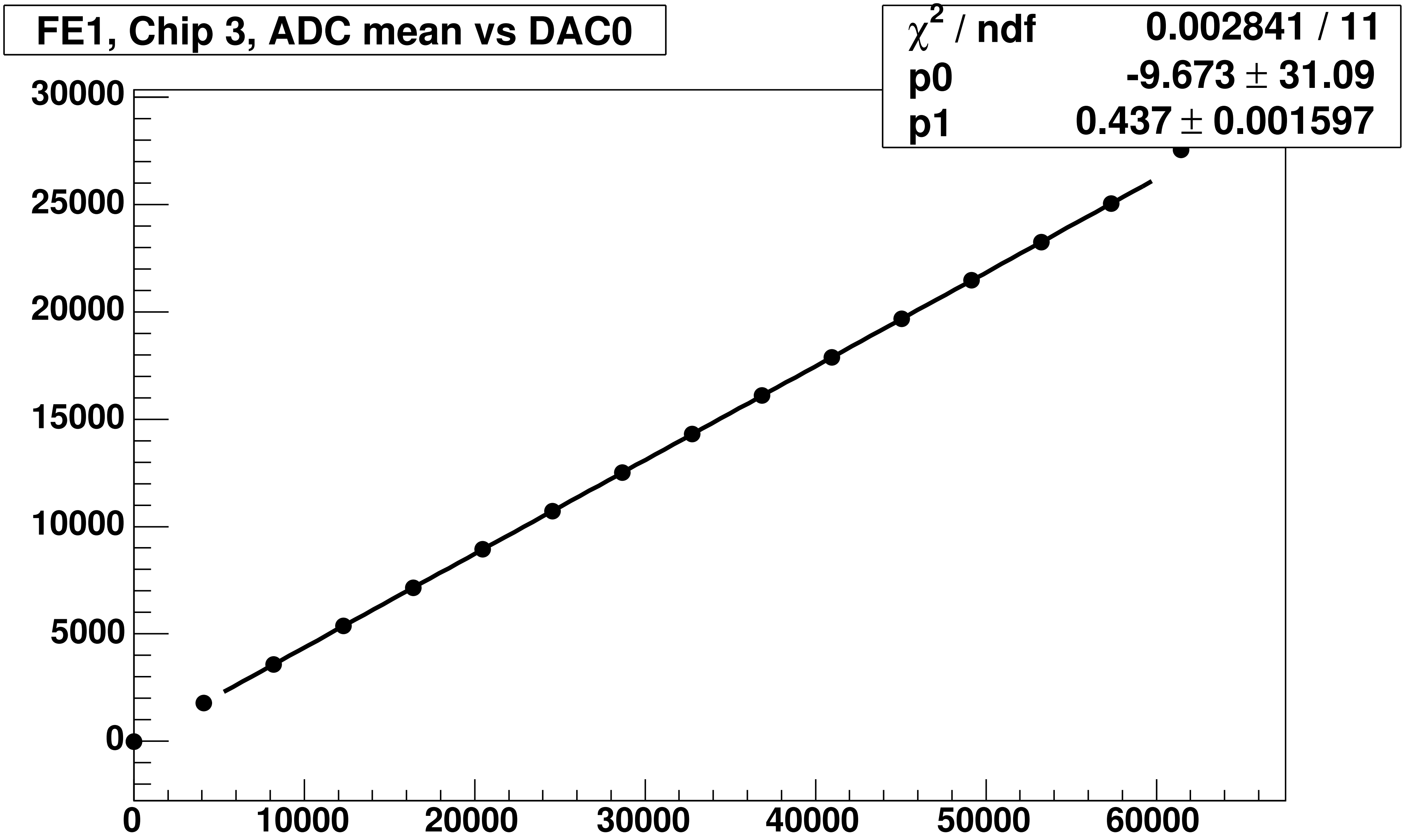

FE1, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

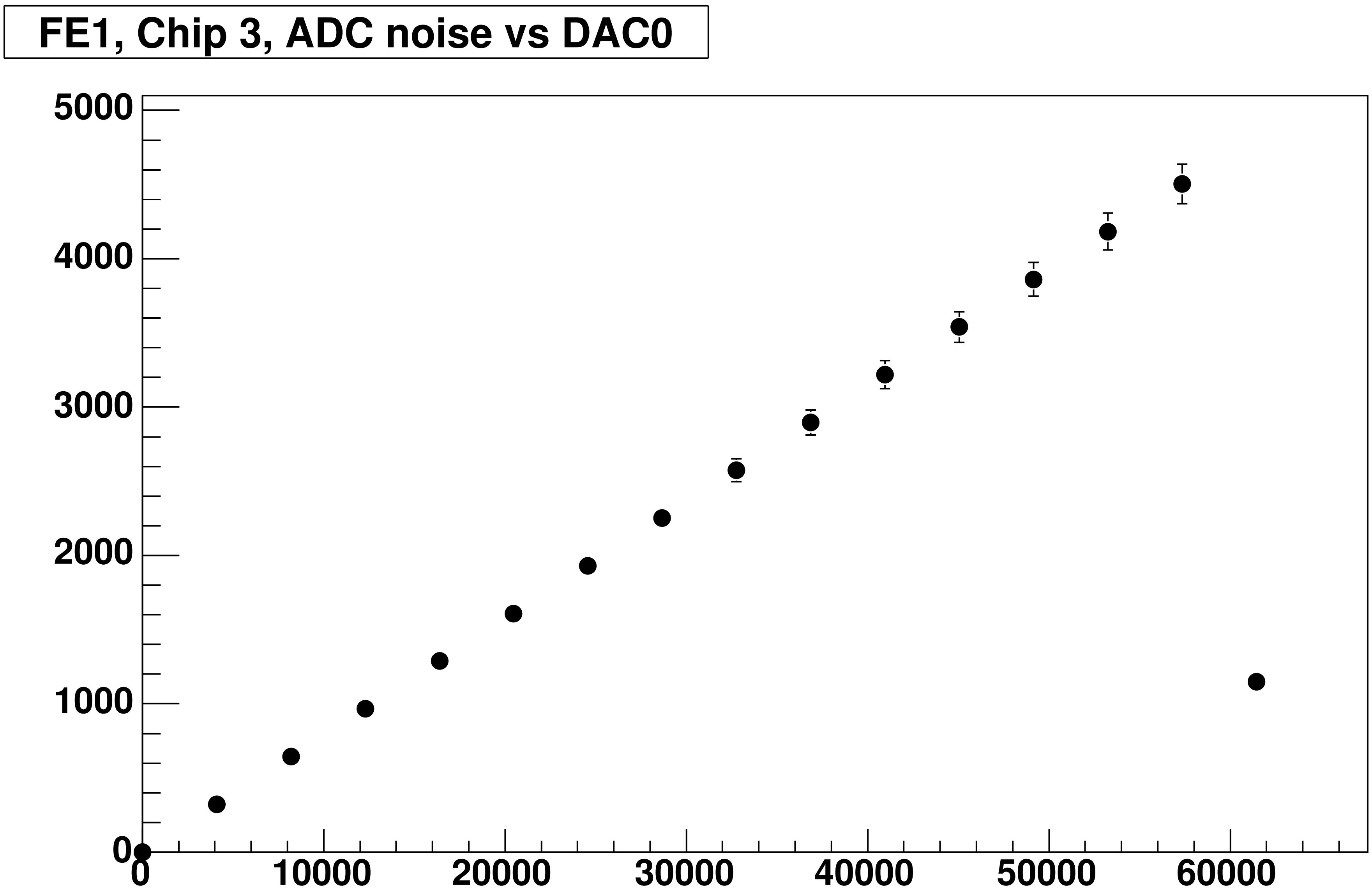

FE1, Chip 2, ADC mean vs DAC1
χ^2 / ndf 4.971e-06 / 11
p0 -7.131 ± 31.08
p1 0.01409 ± 0.001597
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

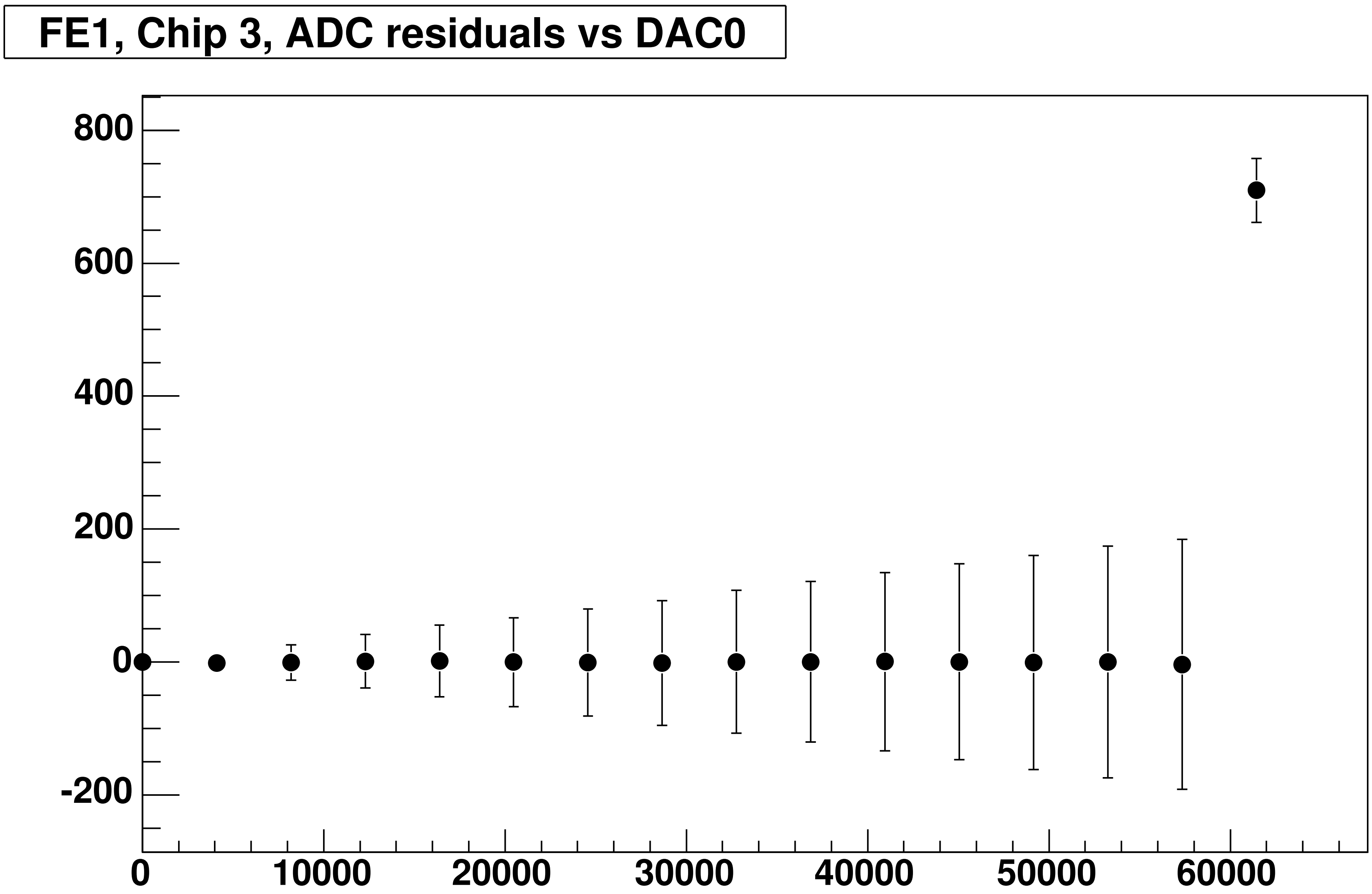


FE1, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

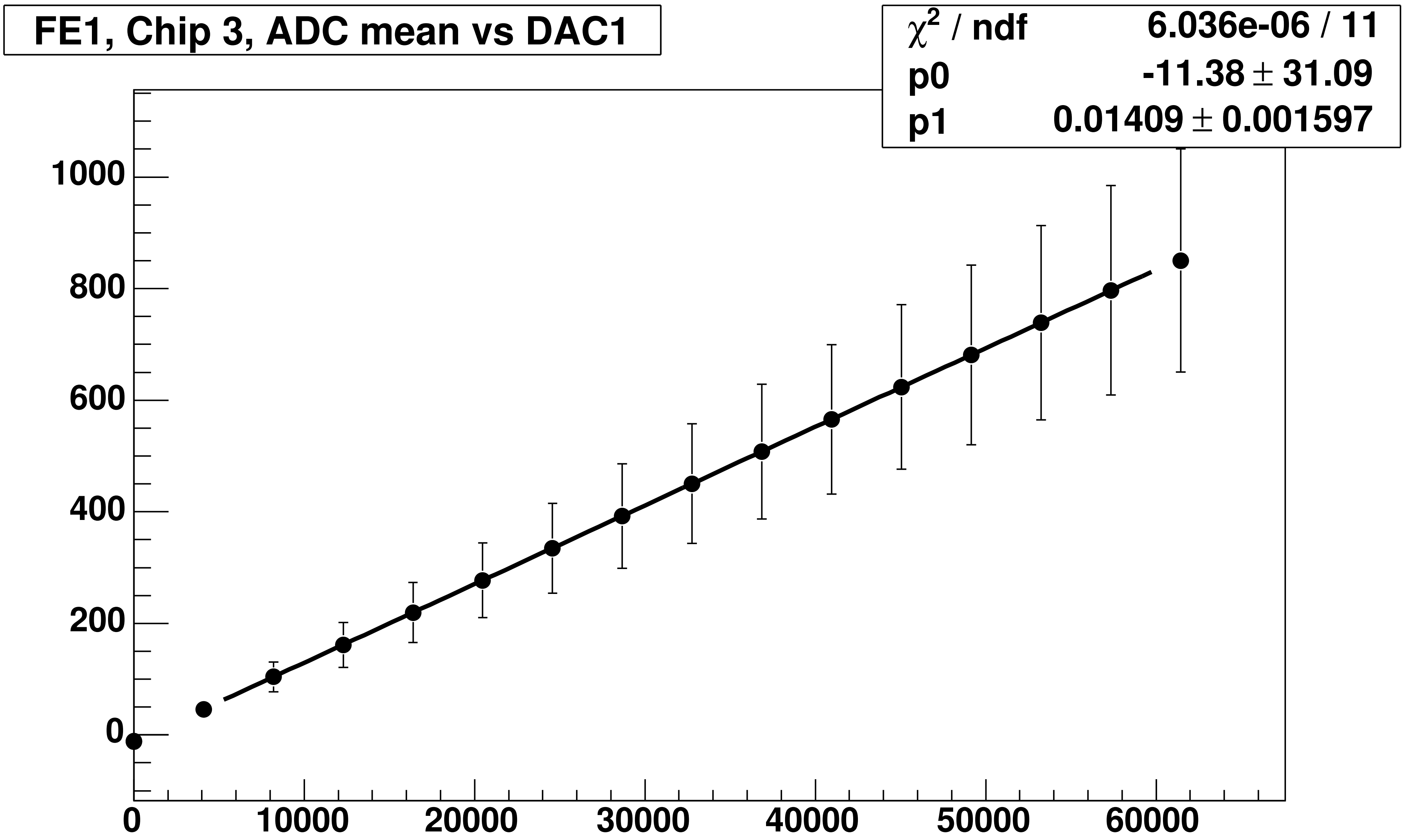

FE1, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.002841 / 11
p0 -9.673 ± 31.09
p1 0.437 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



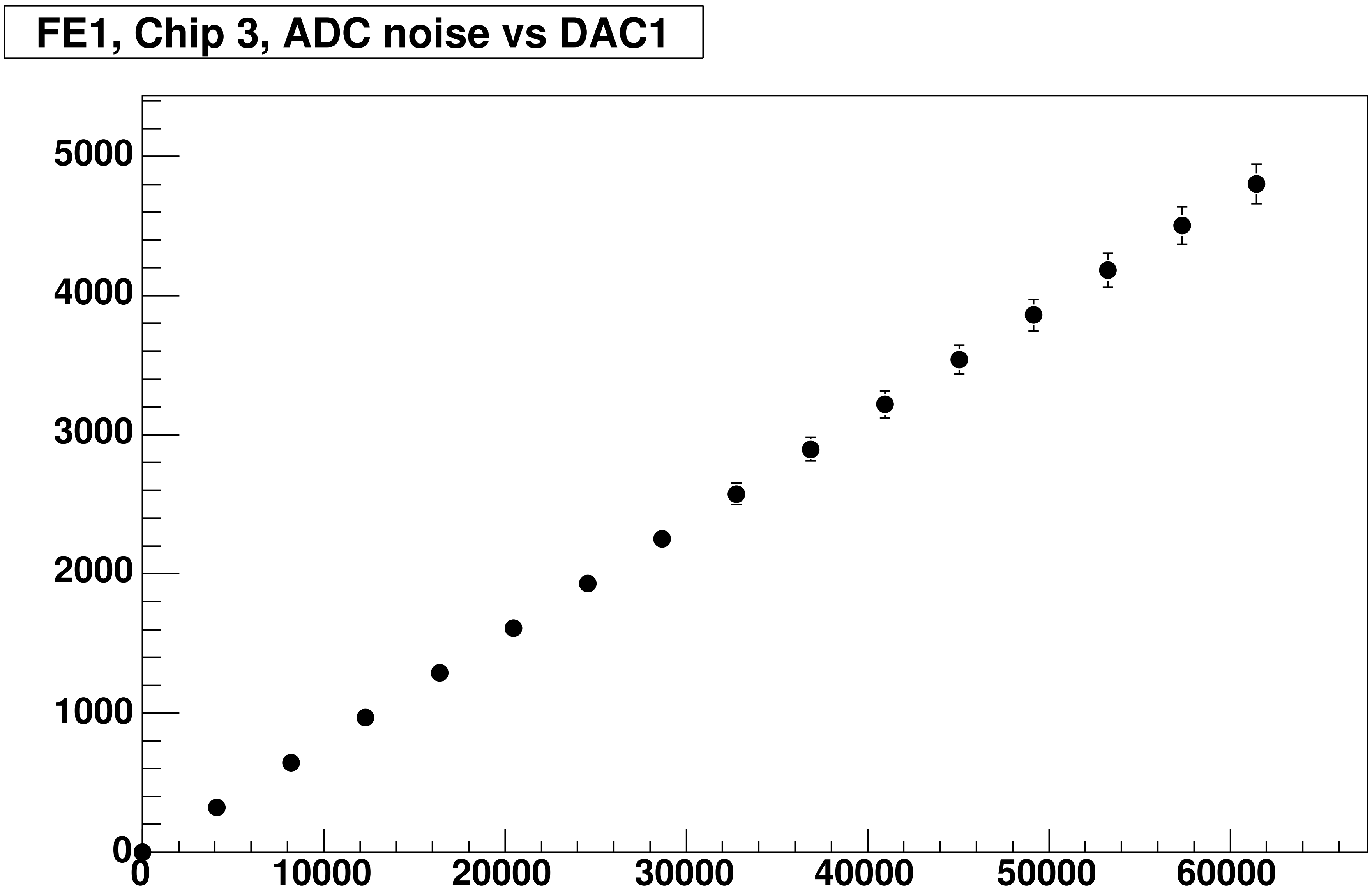
FE1, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

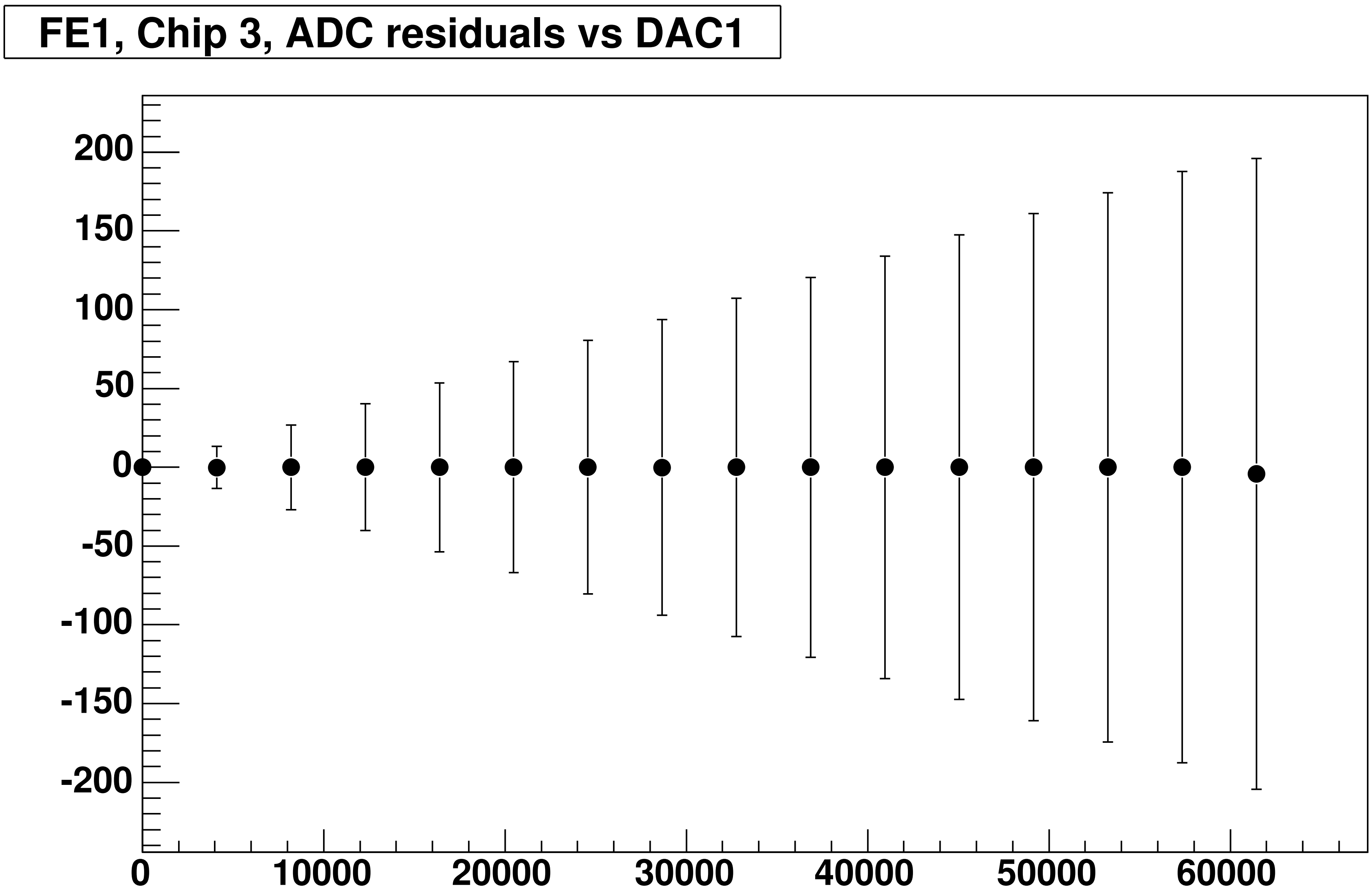


FE1, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

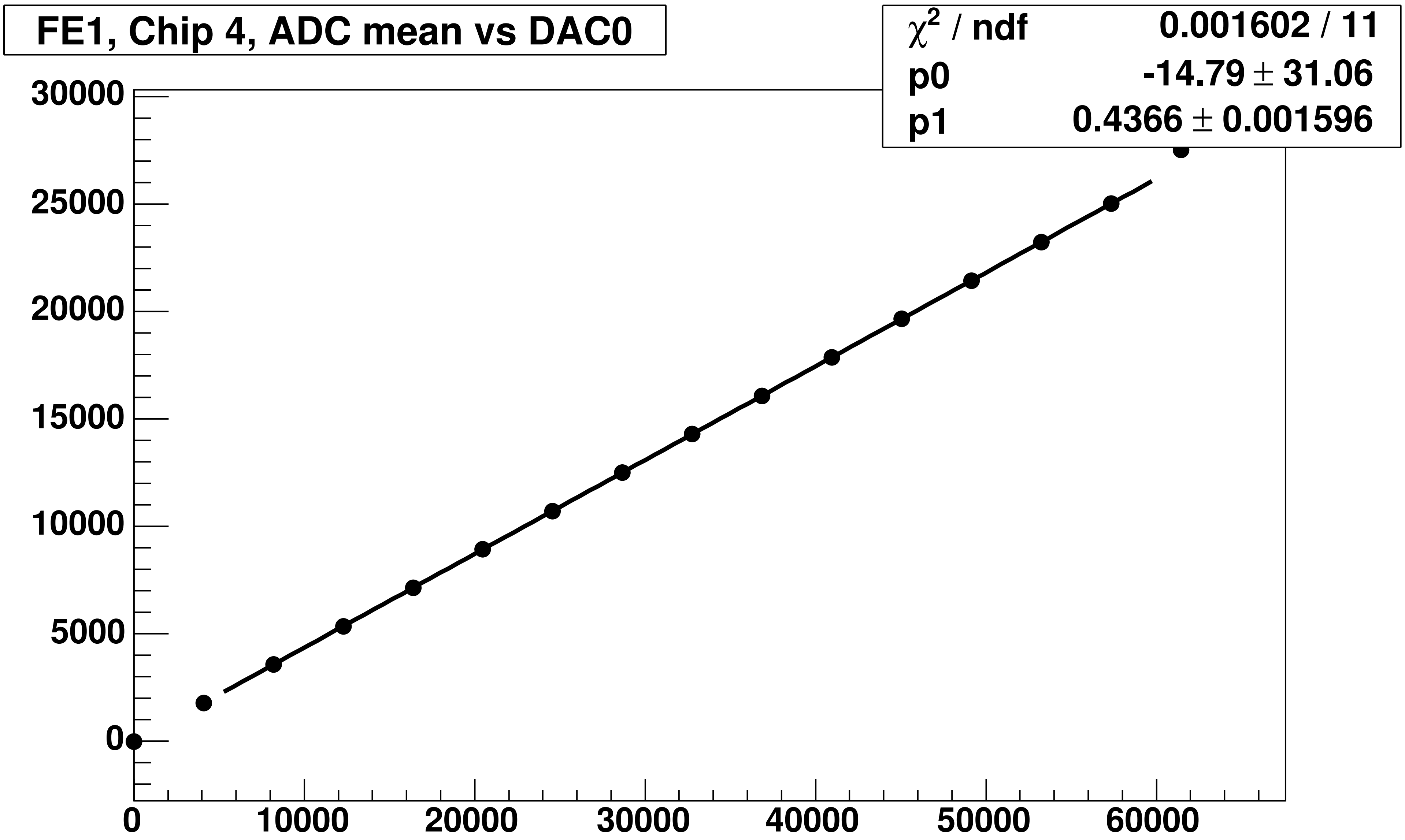


FE1, Chip 3, ADC mean vs DAC1
χ^2 / ndf 6.036e-06 / 11
p0 -11.38 ± 31.09
p1 0.01409 ± 0.001597
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

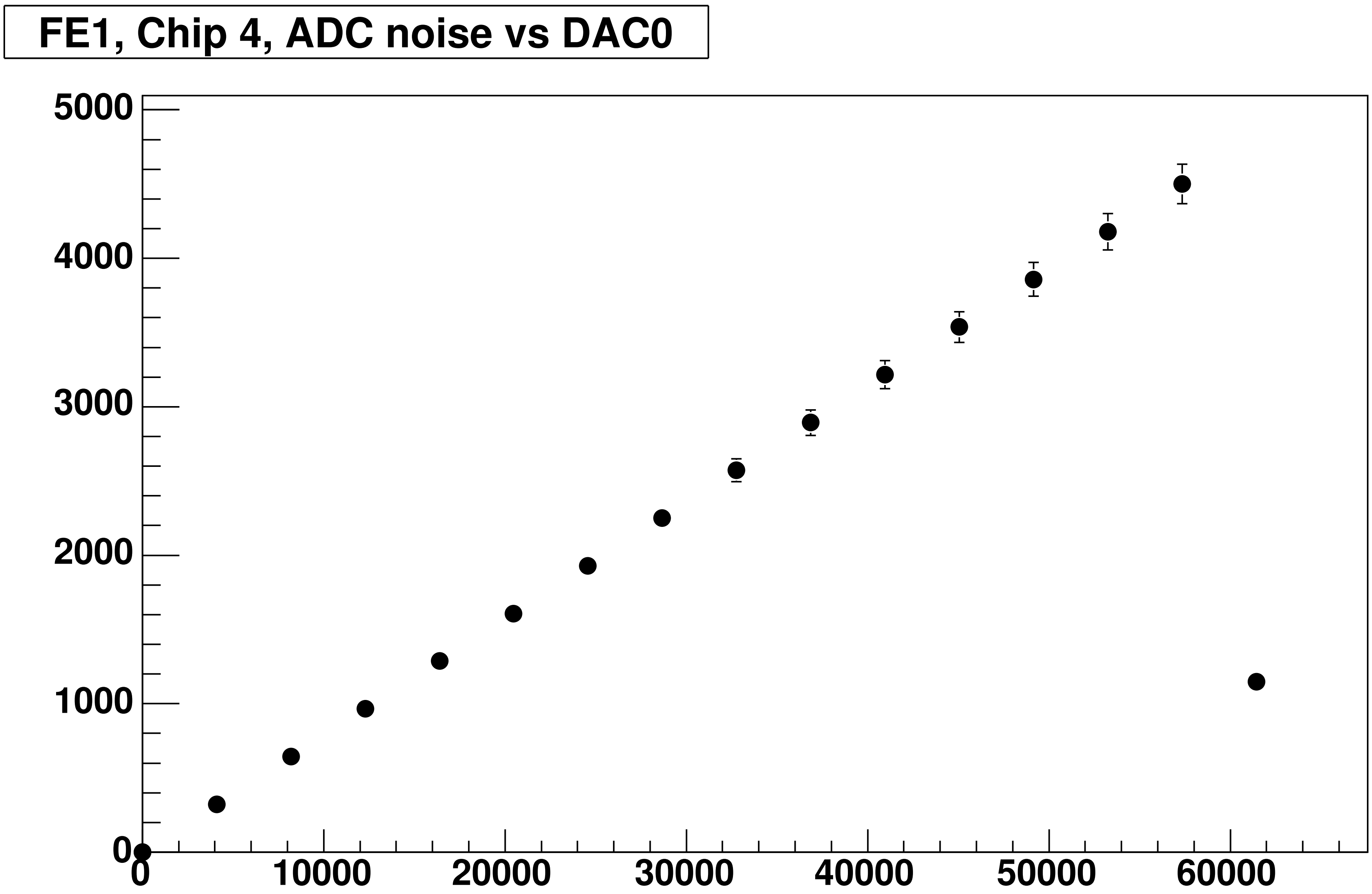

FE1, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

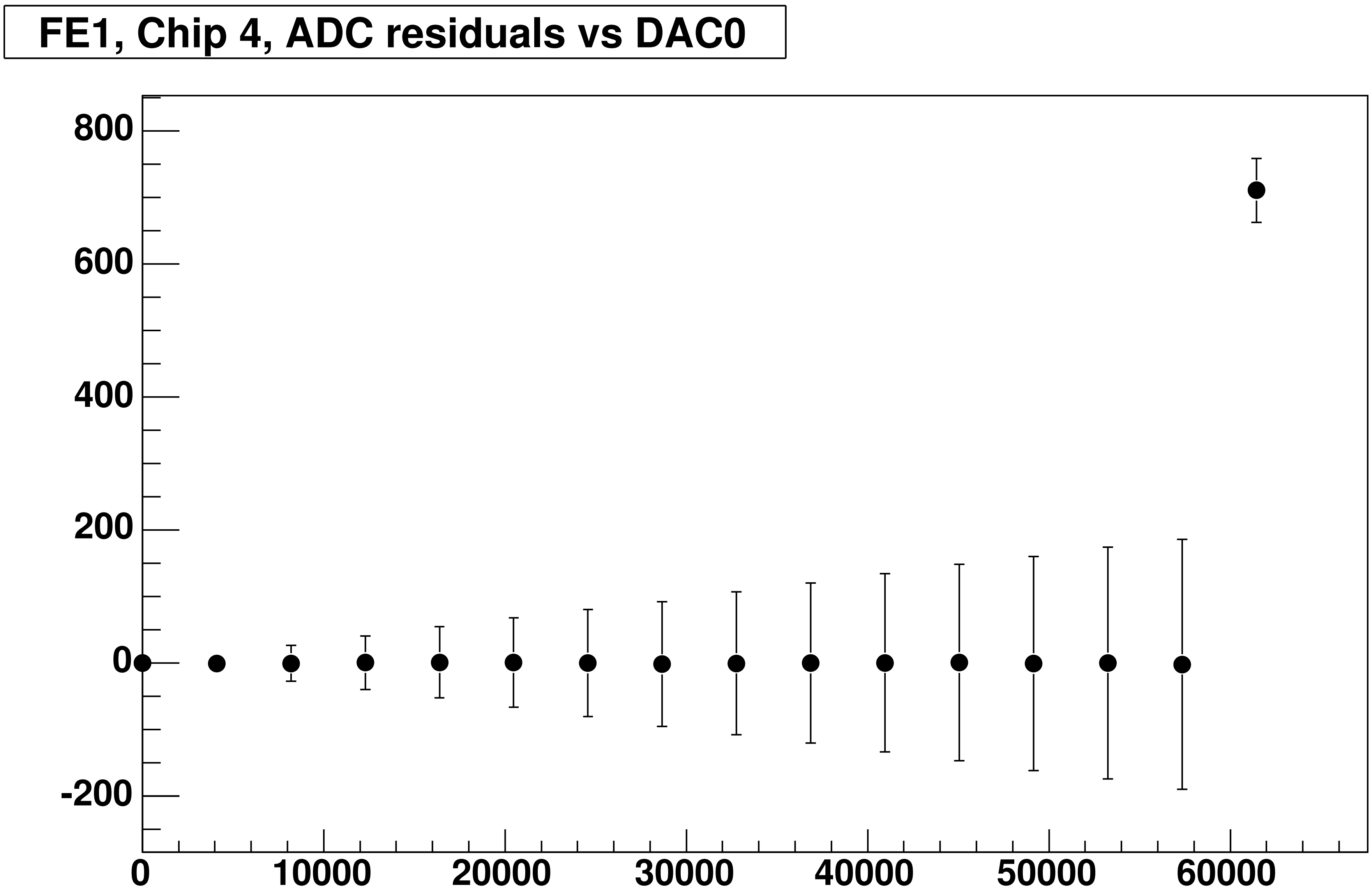


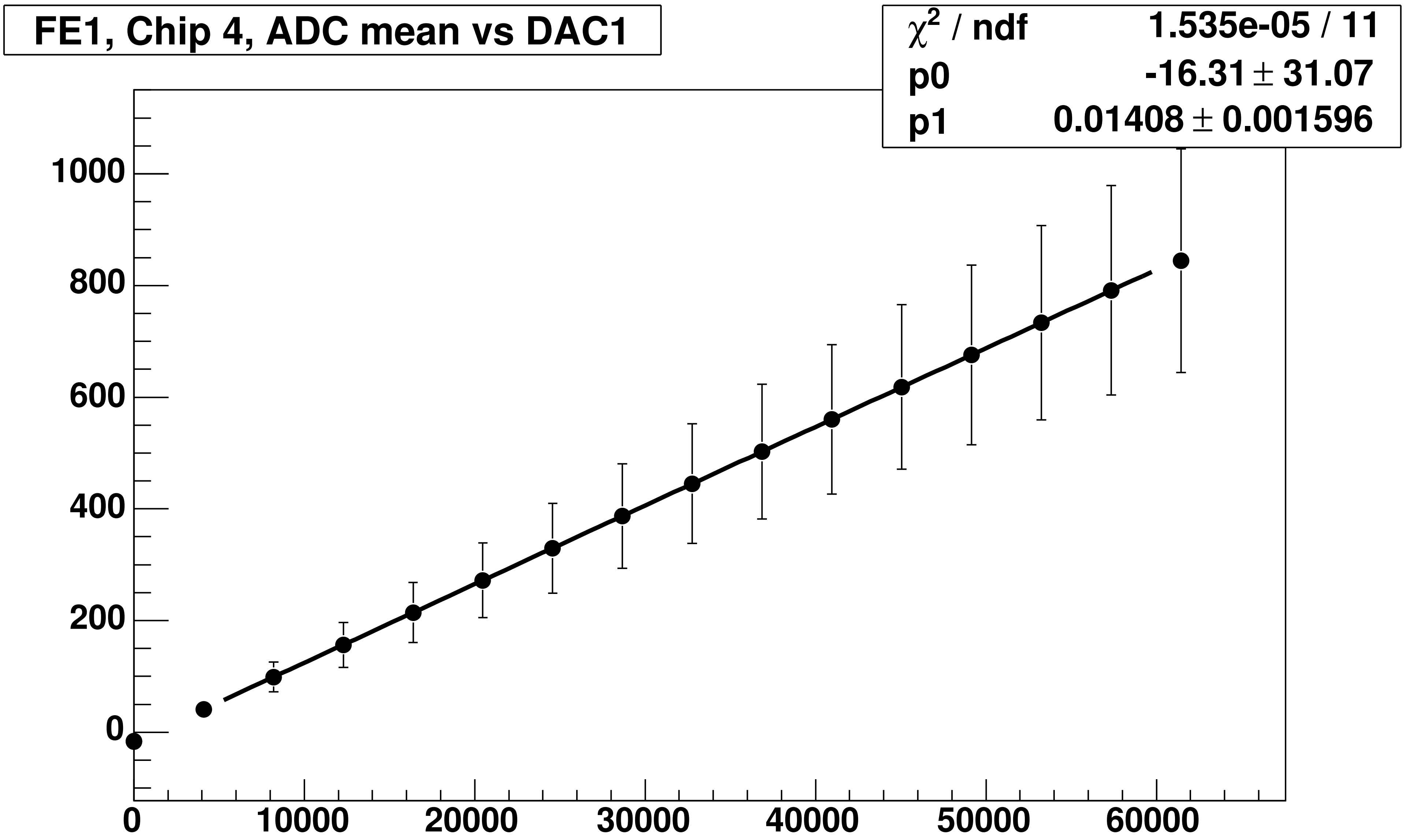
FE1, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

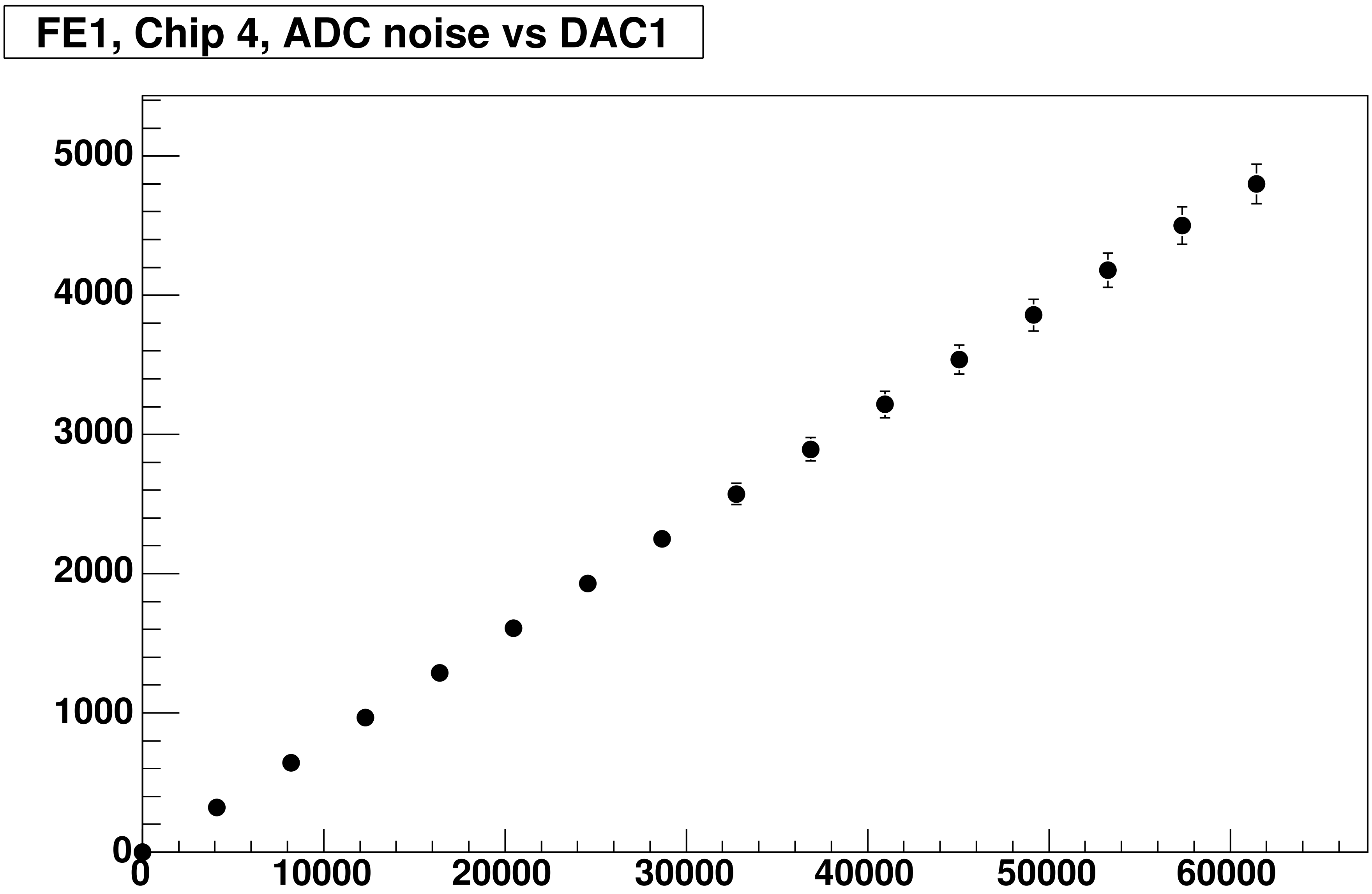


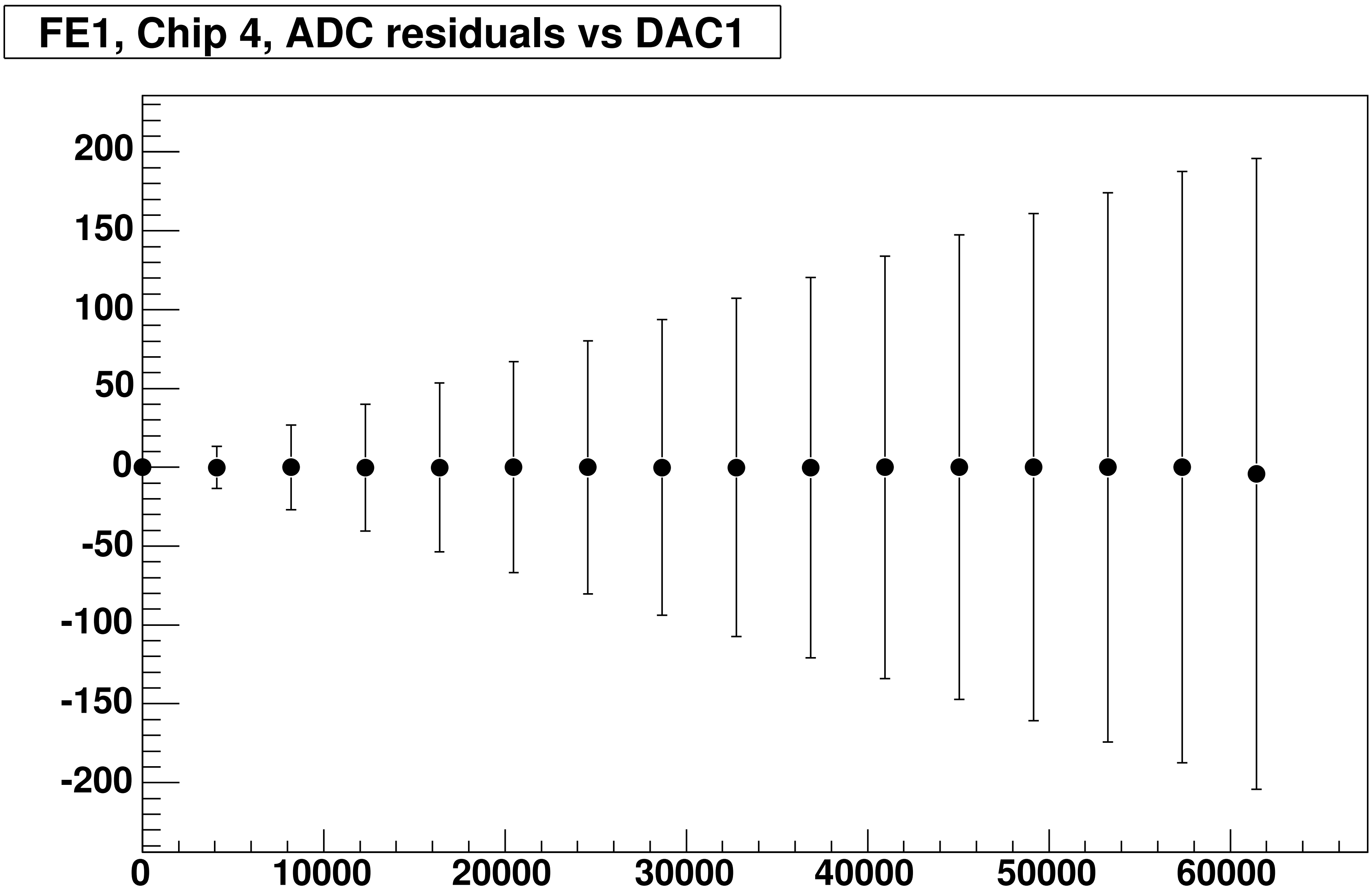
FE1, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001602 / 11
p0 -14.79 ± 31.06
p1 0.4366 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

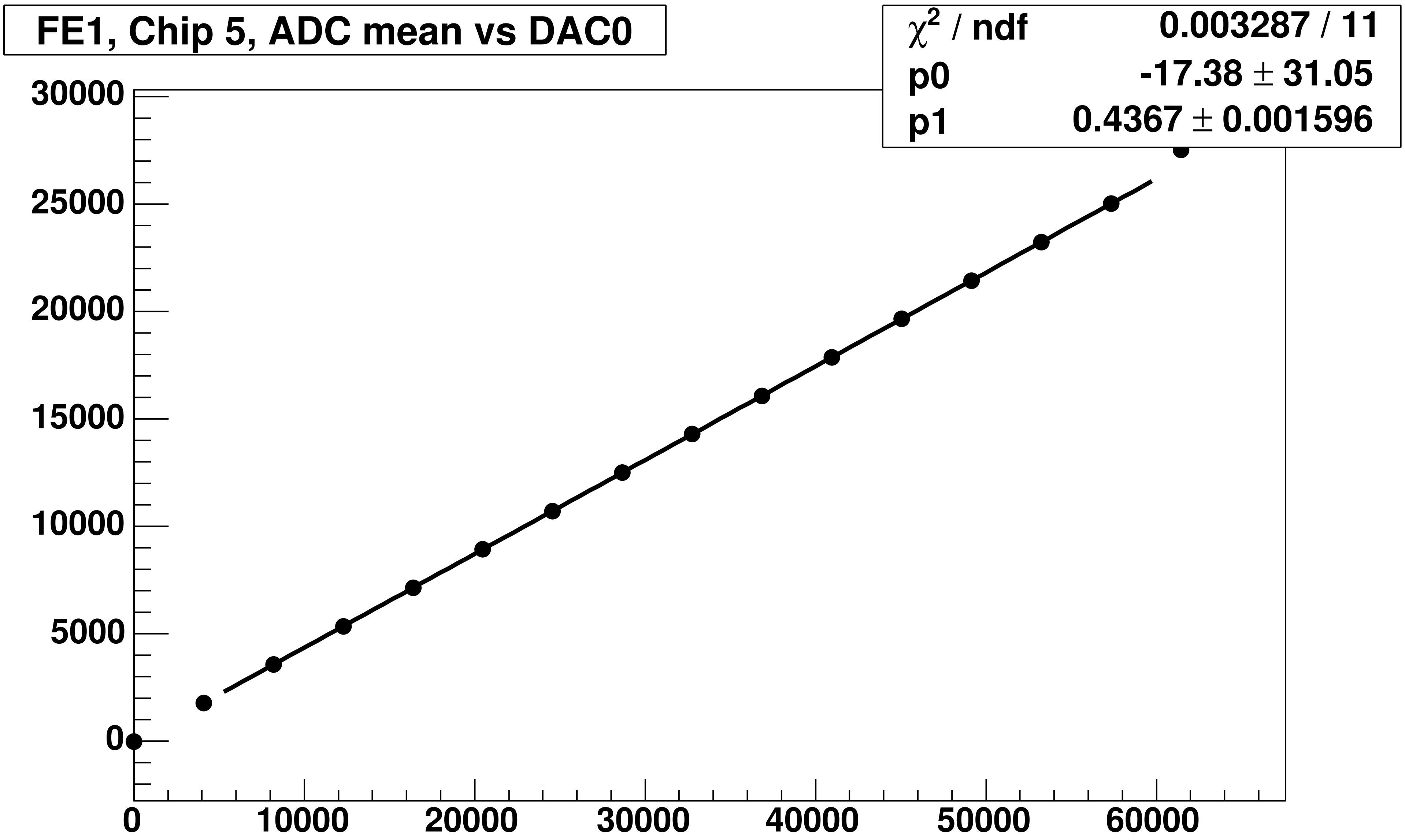

FE1, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

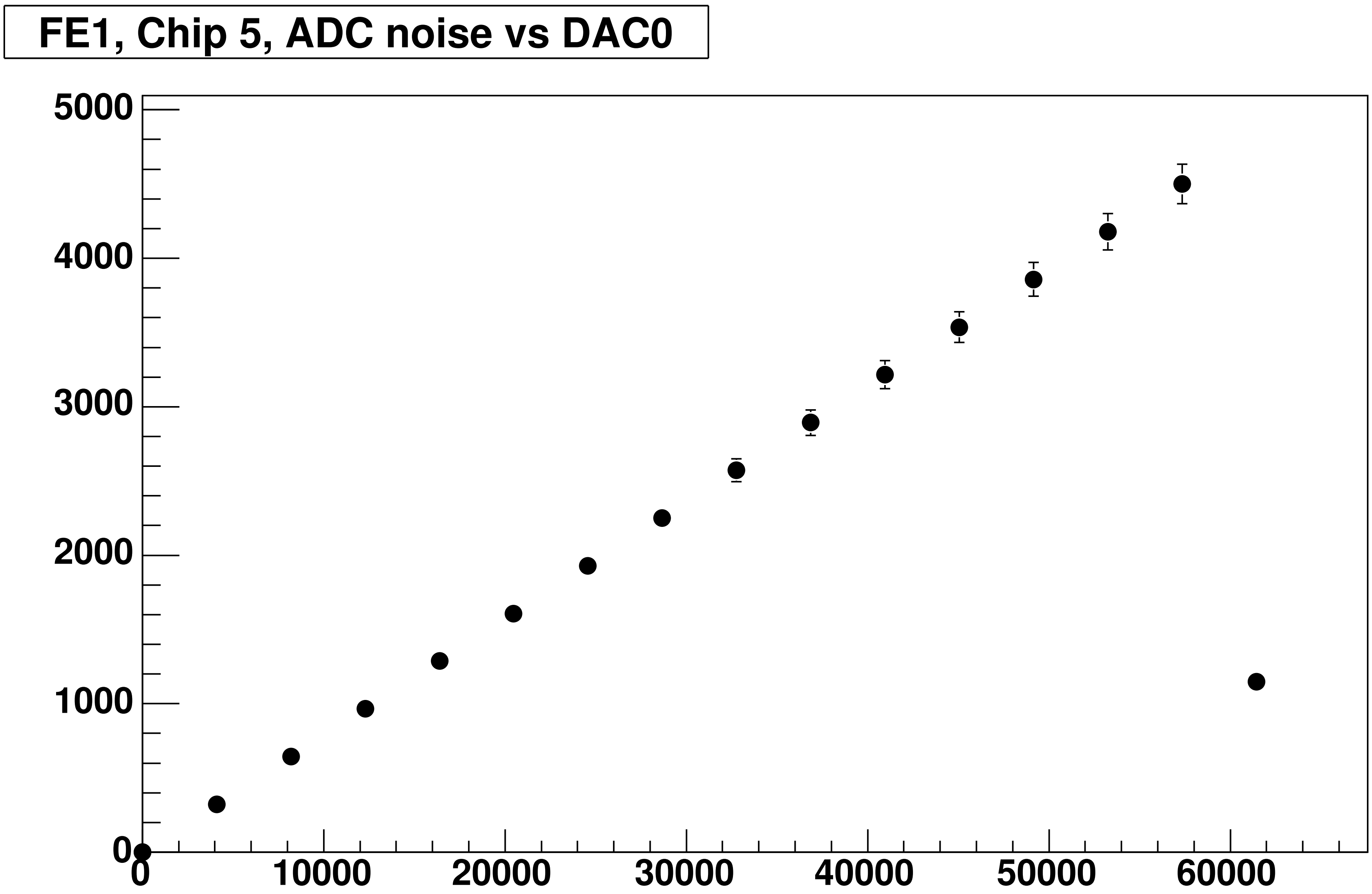

FE1, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.535e-05 / 11
p0 -16.31 ± 31.07
p1 0.01408 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

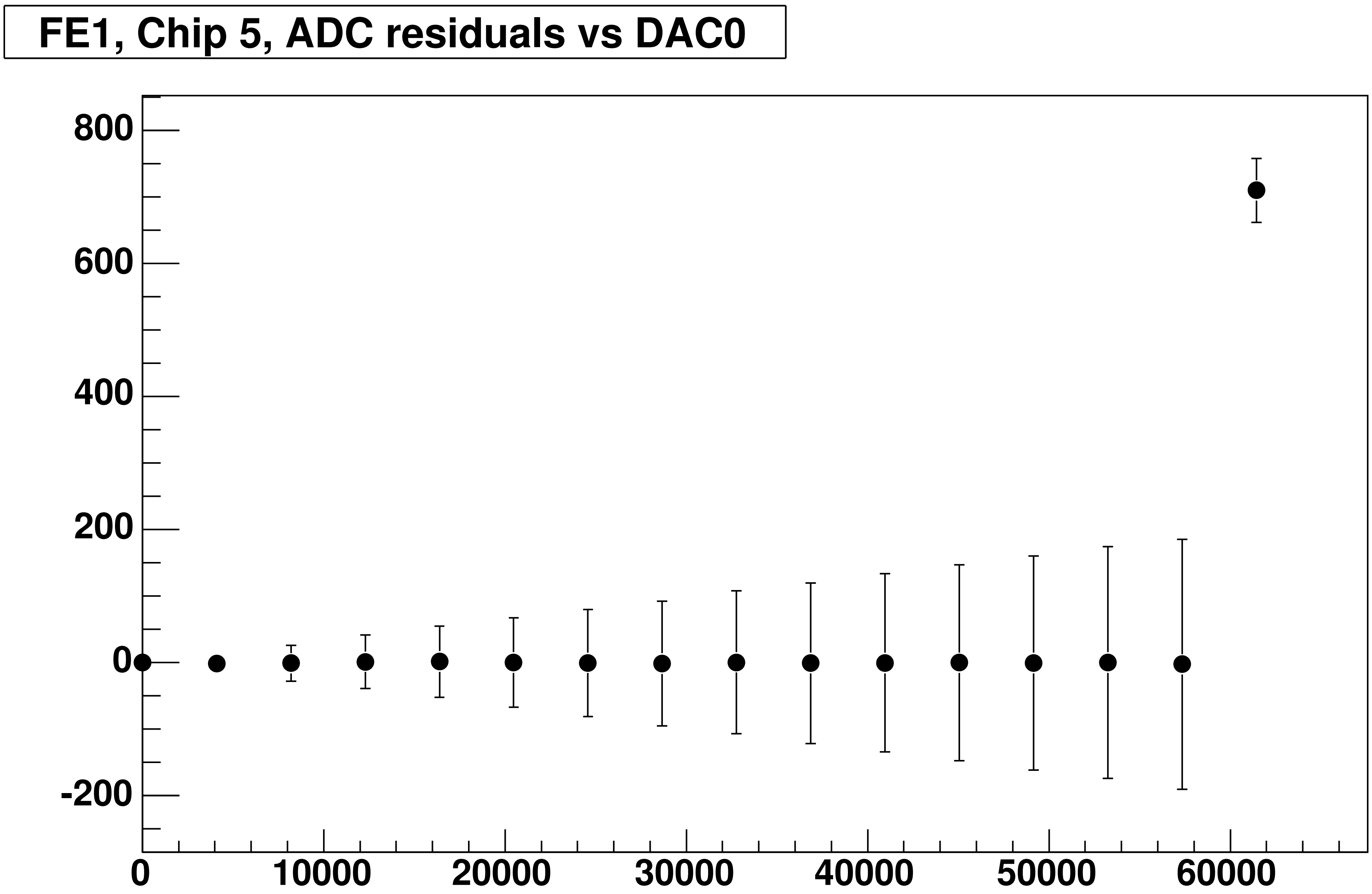

FE1, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

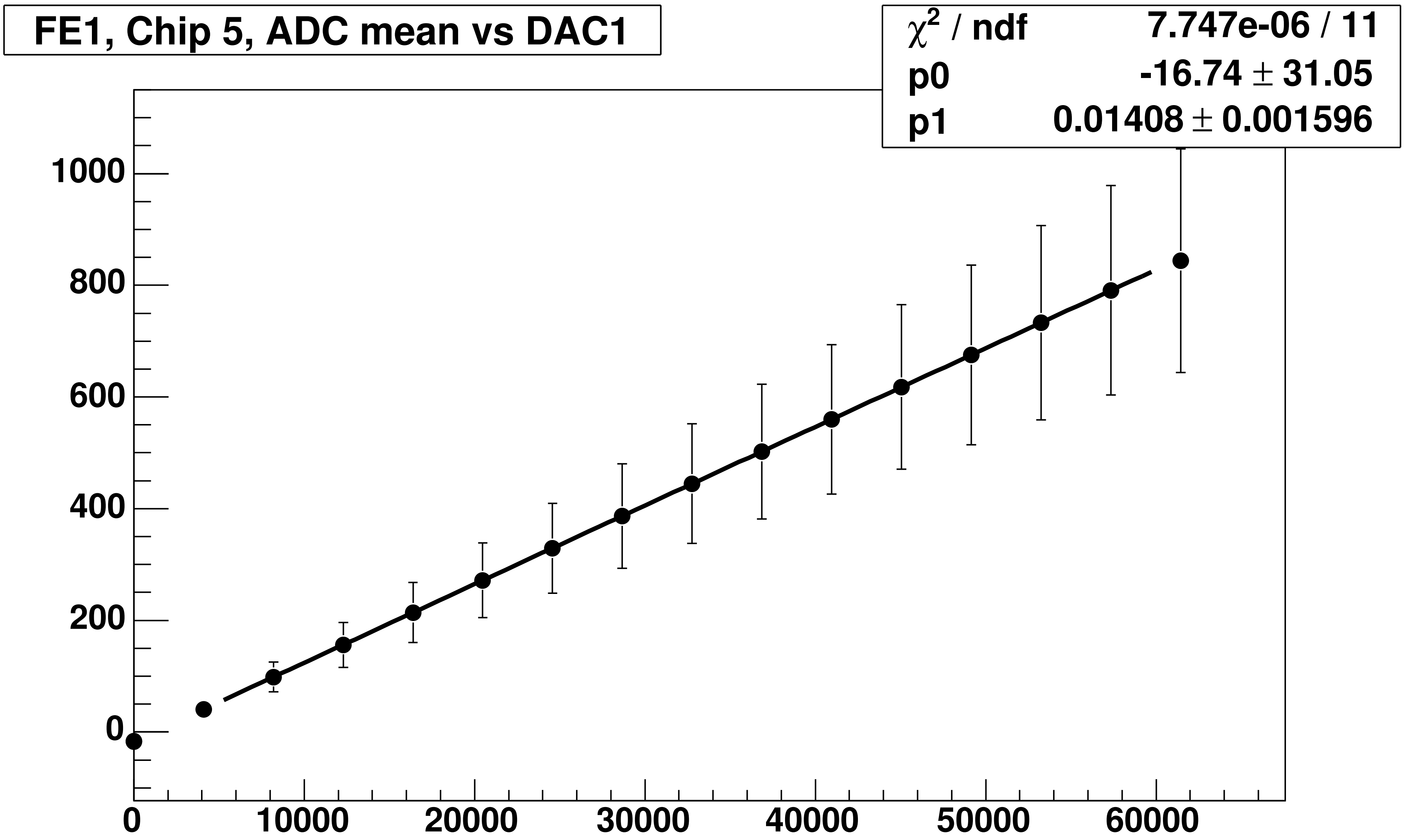

FE1, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

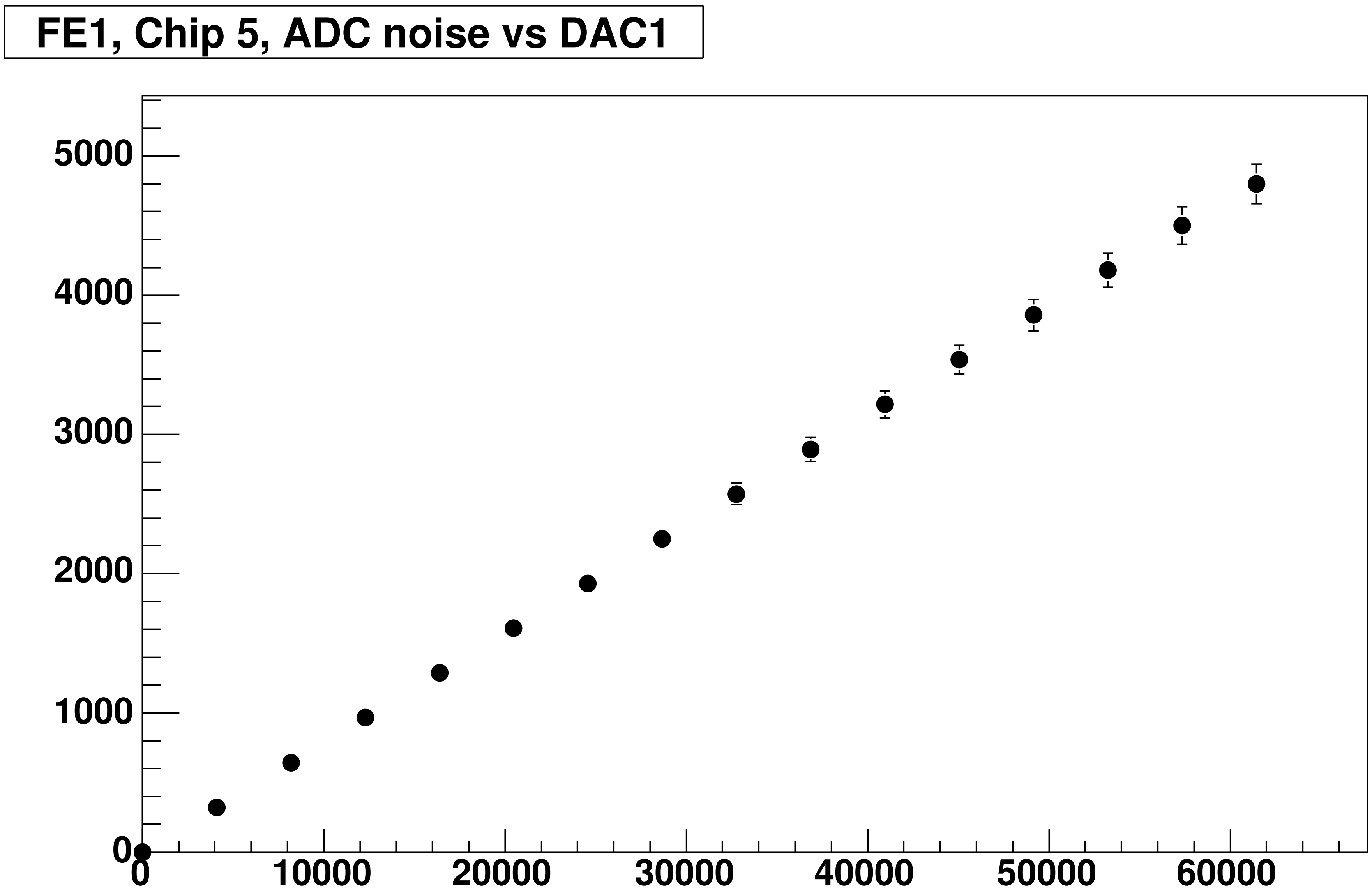

FE1, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.003287 / 11
p0 -17.38 ± 31.05
p1 0.4367 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



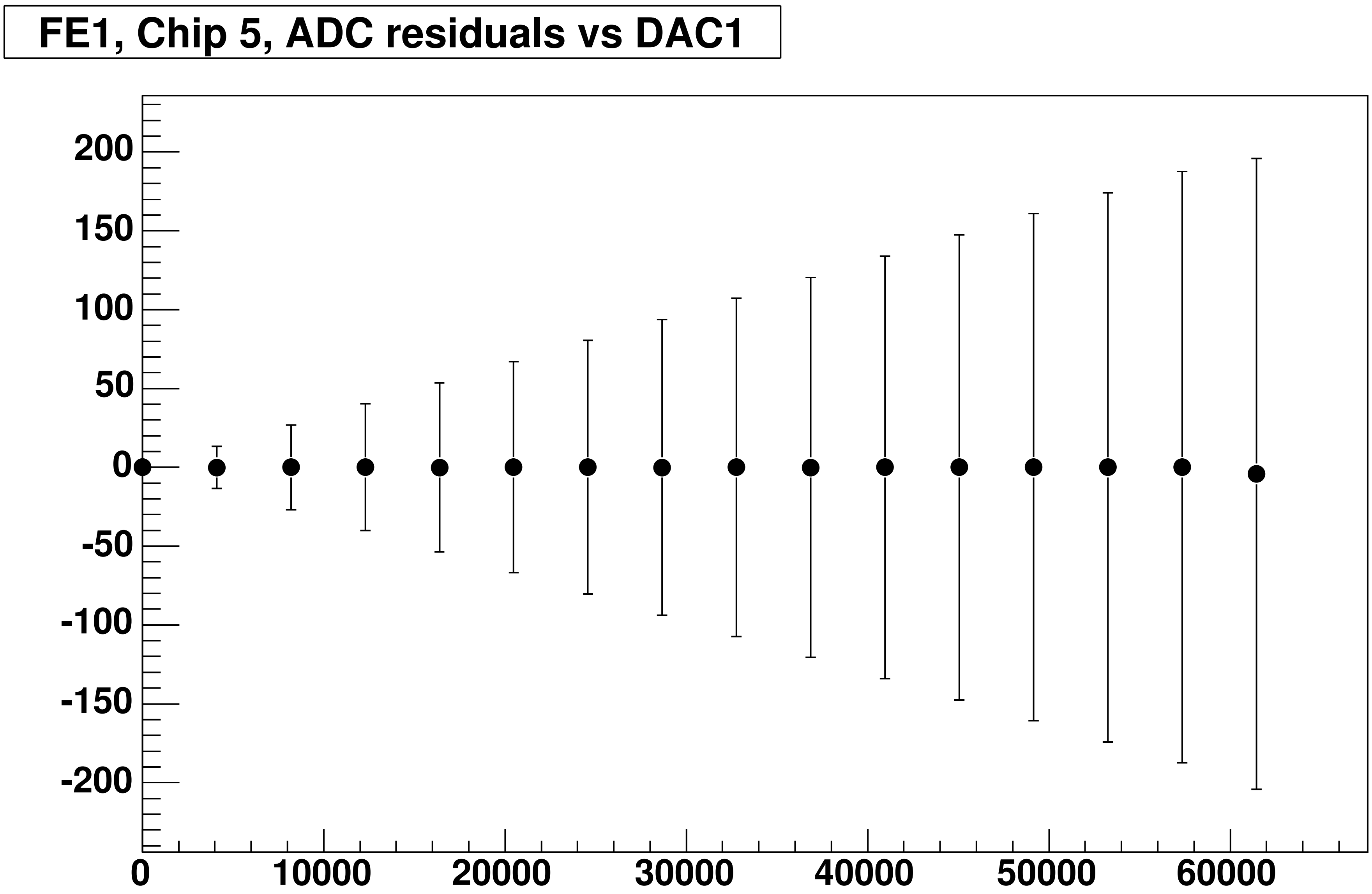
FE1, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

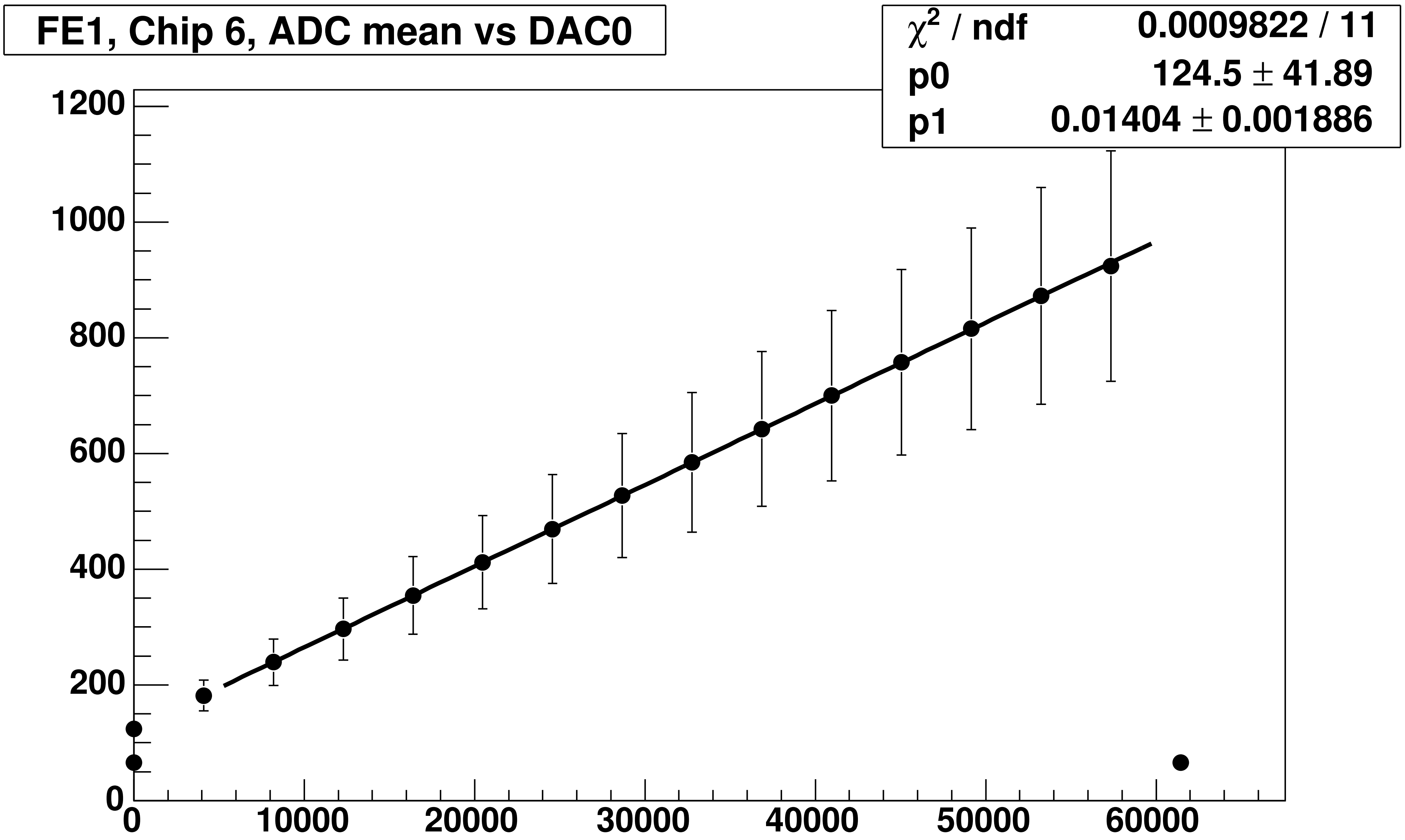

FE1, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 5, ADC mean vs DAC1
χ^2 / ndf 7.747e-06 / 11
p0 -16.74 ± 31.05
p1 0.01408 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

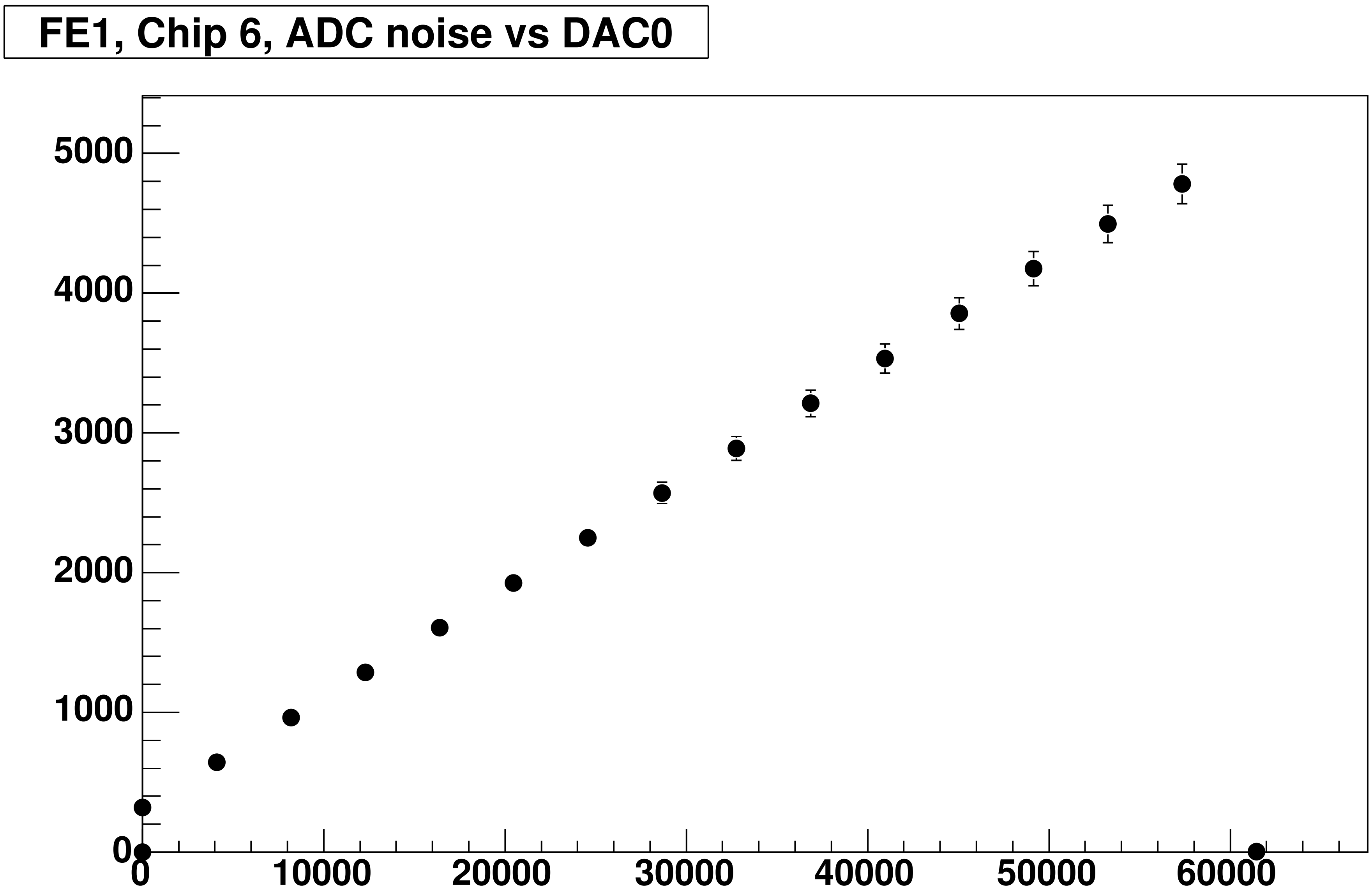


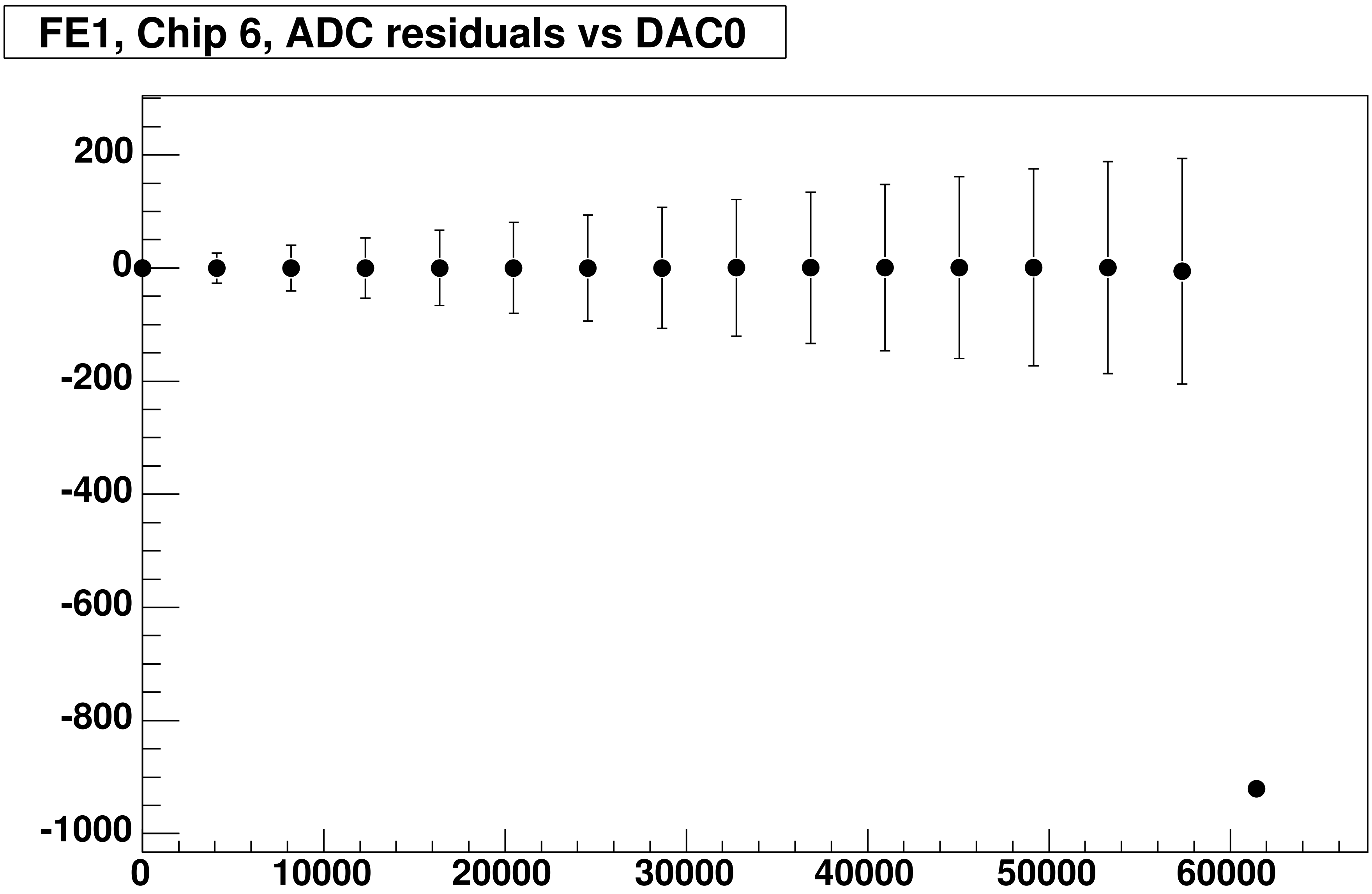
FE1, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

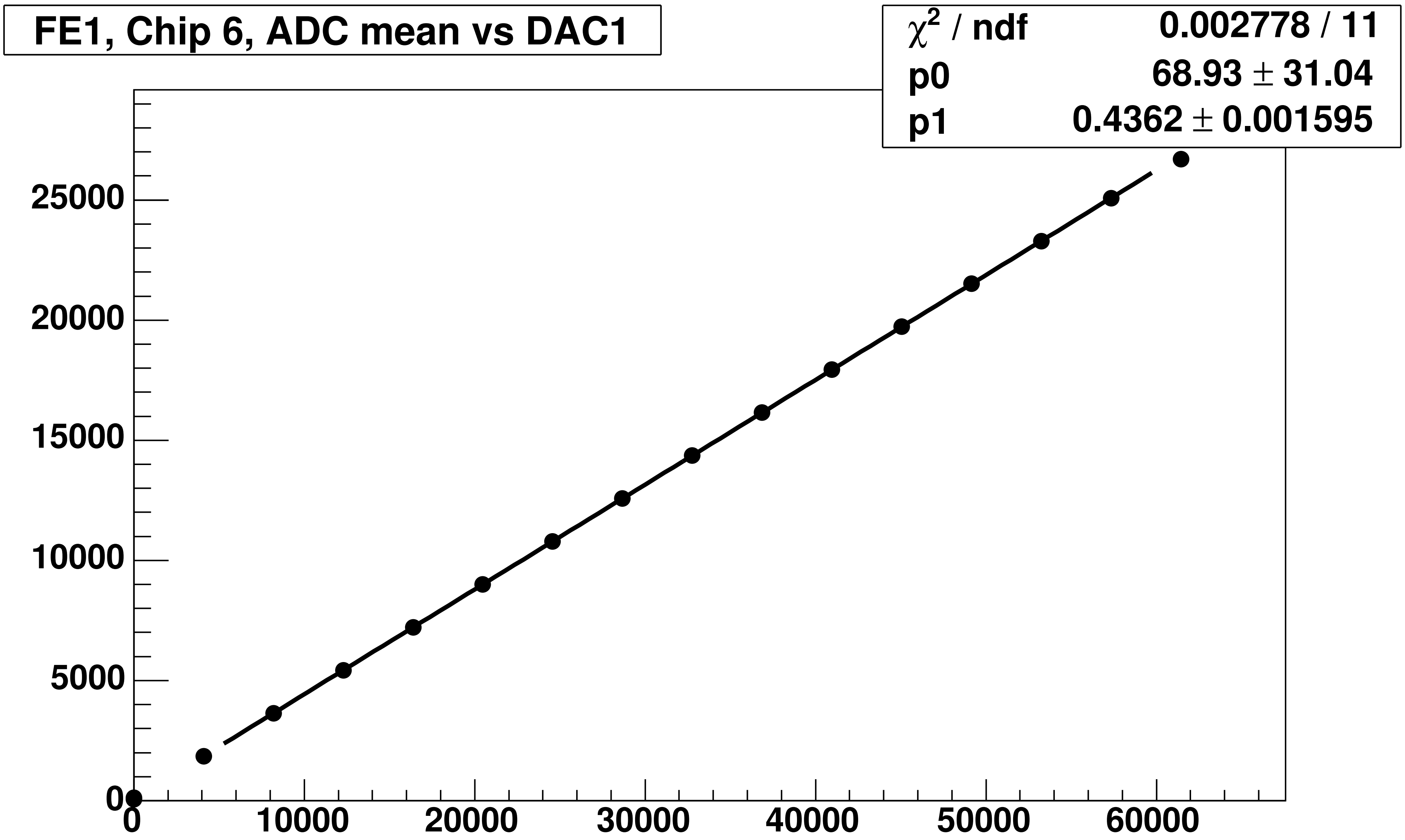

FE1, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

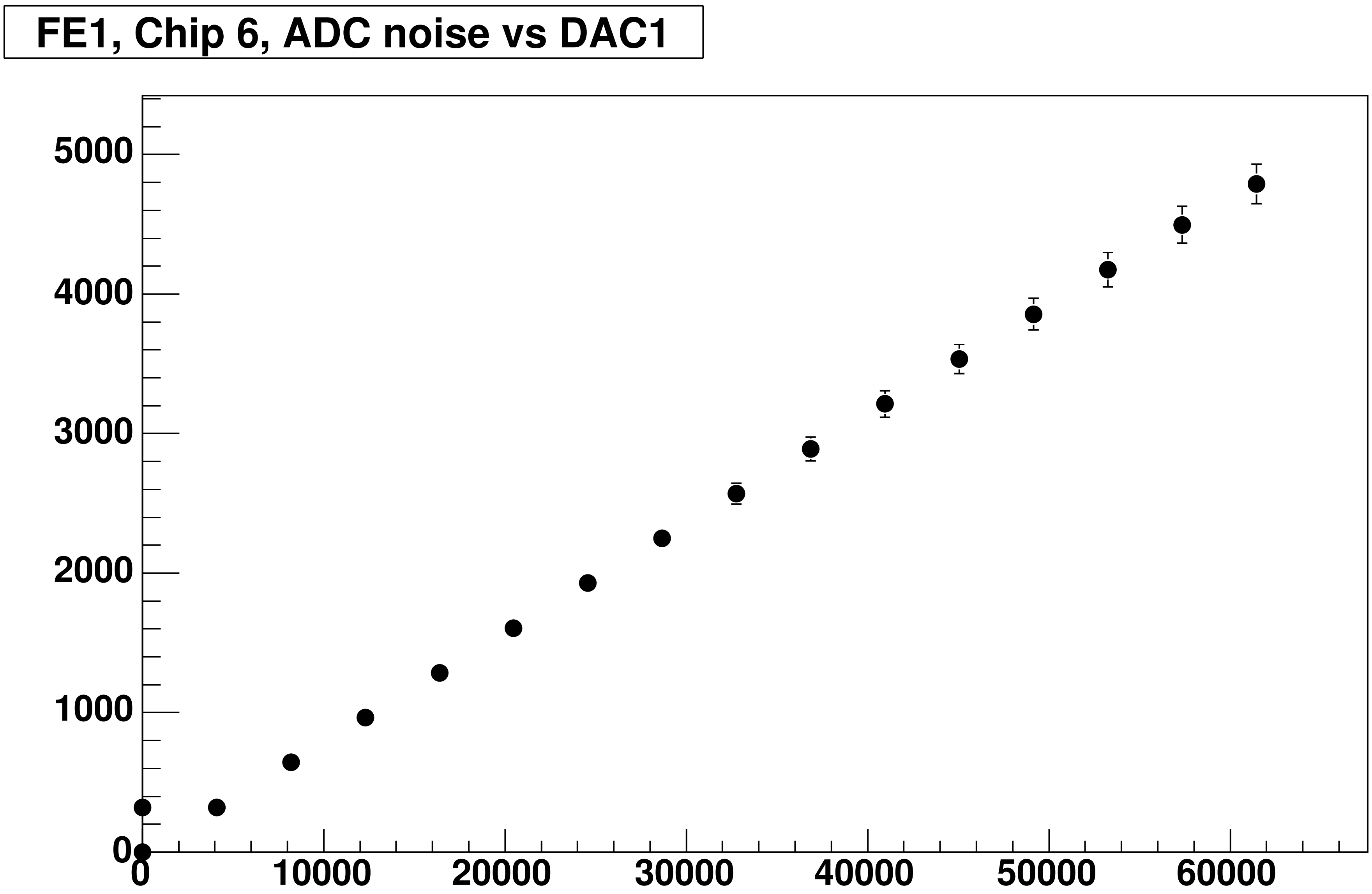


FE1, Chip 6, ADC mean vs DAC0
χ² / ndf 0.0009822 / 11
p0 124.5 ± 41.89
p1 0.01404 ± 0.001886
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

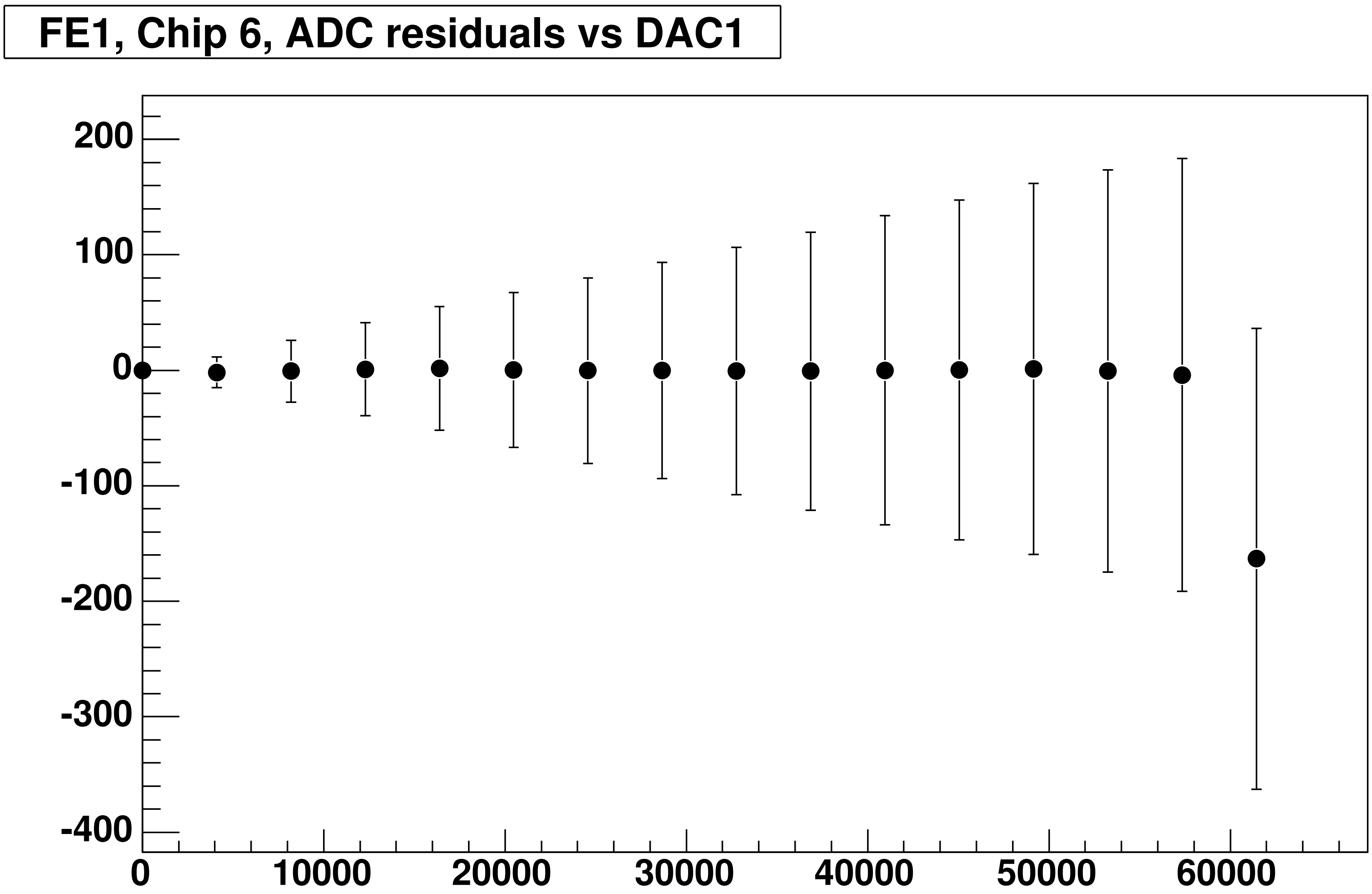

FE1, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

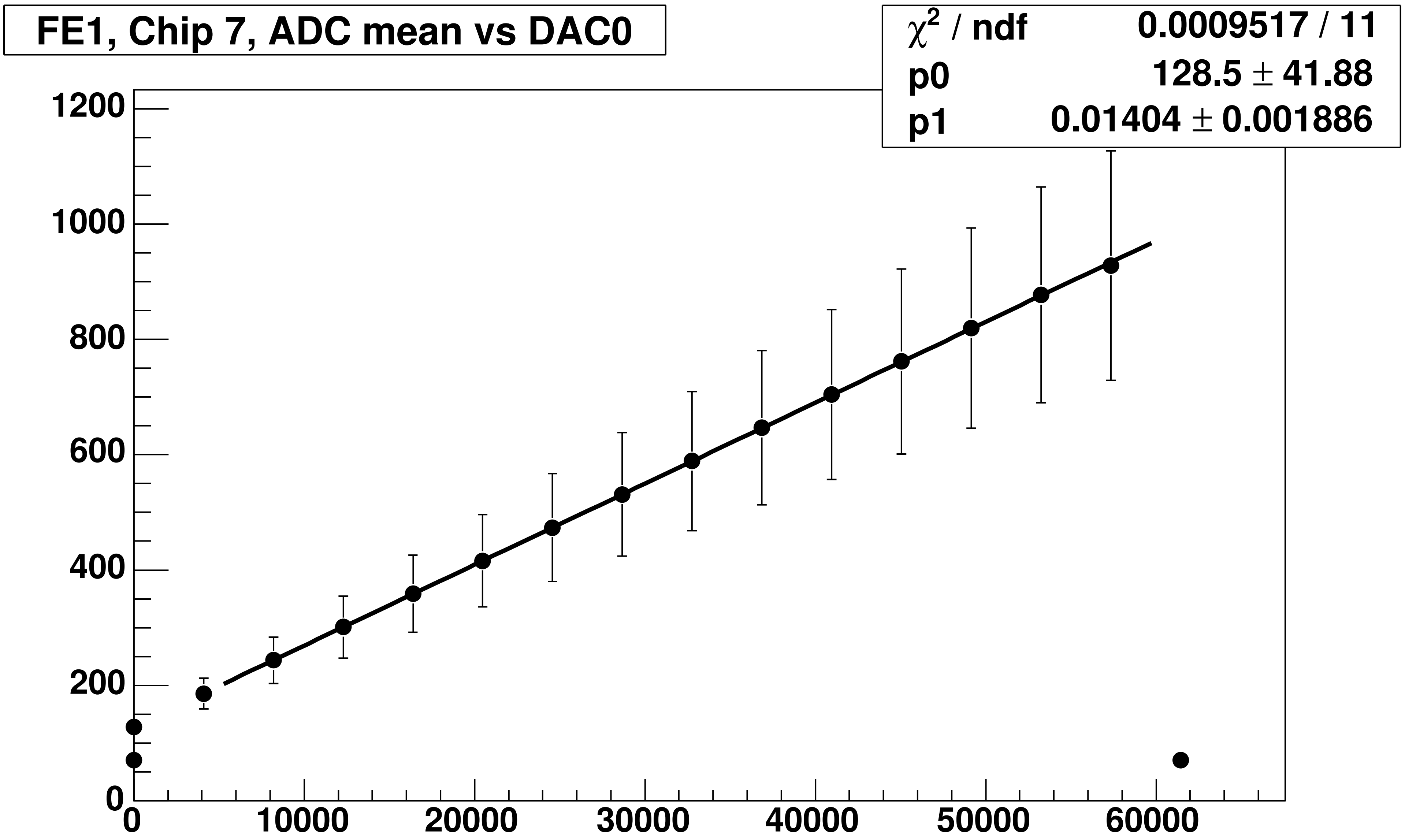

FE1, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

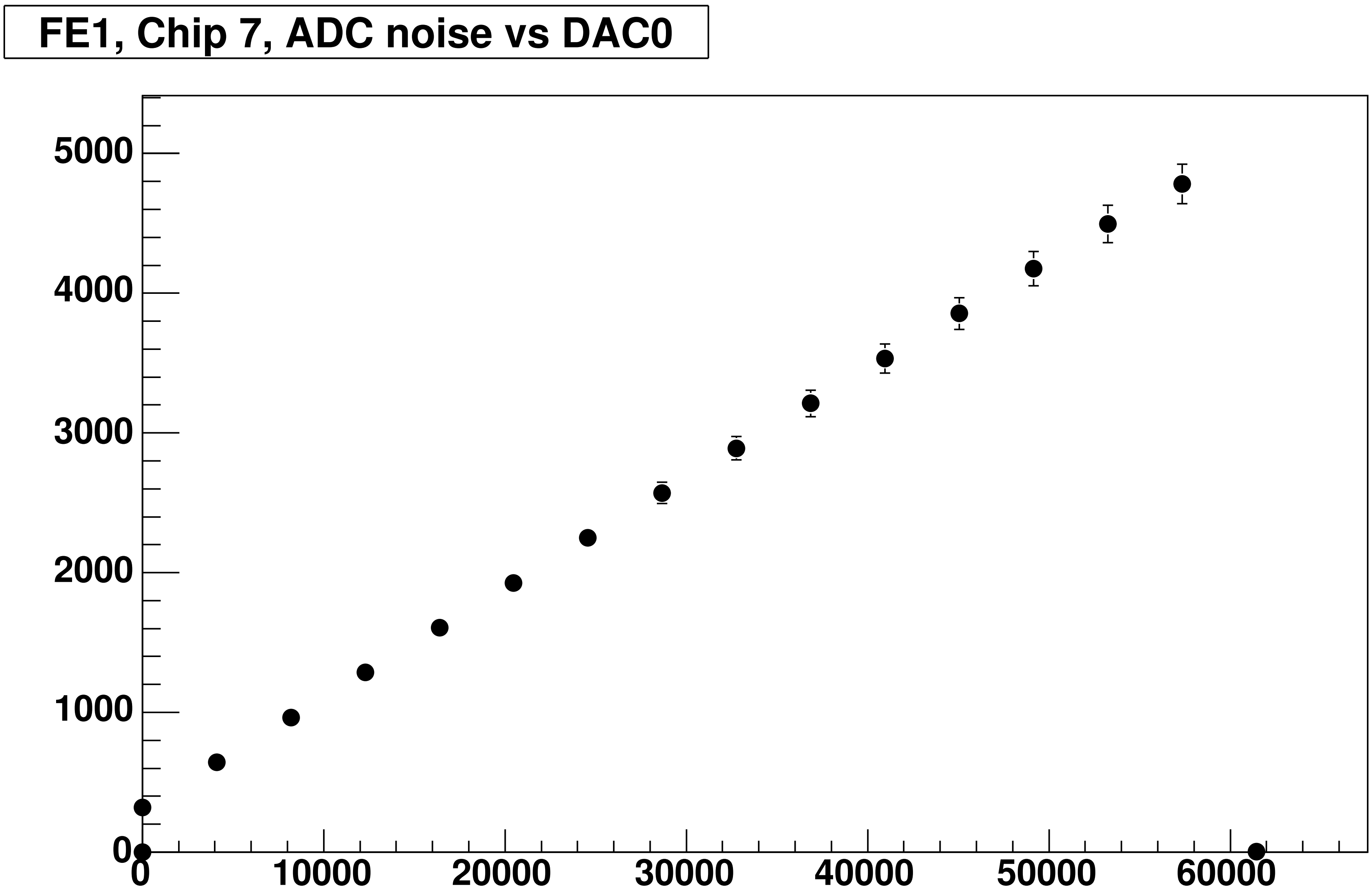

FE1, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.002778 / 11
p0 68.93 ± 31.04
p1 0.4362 ± 0.001595
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

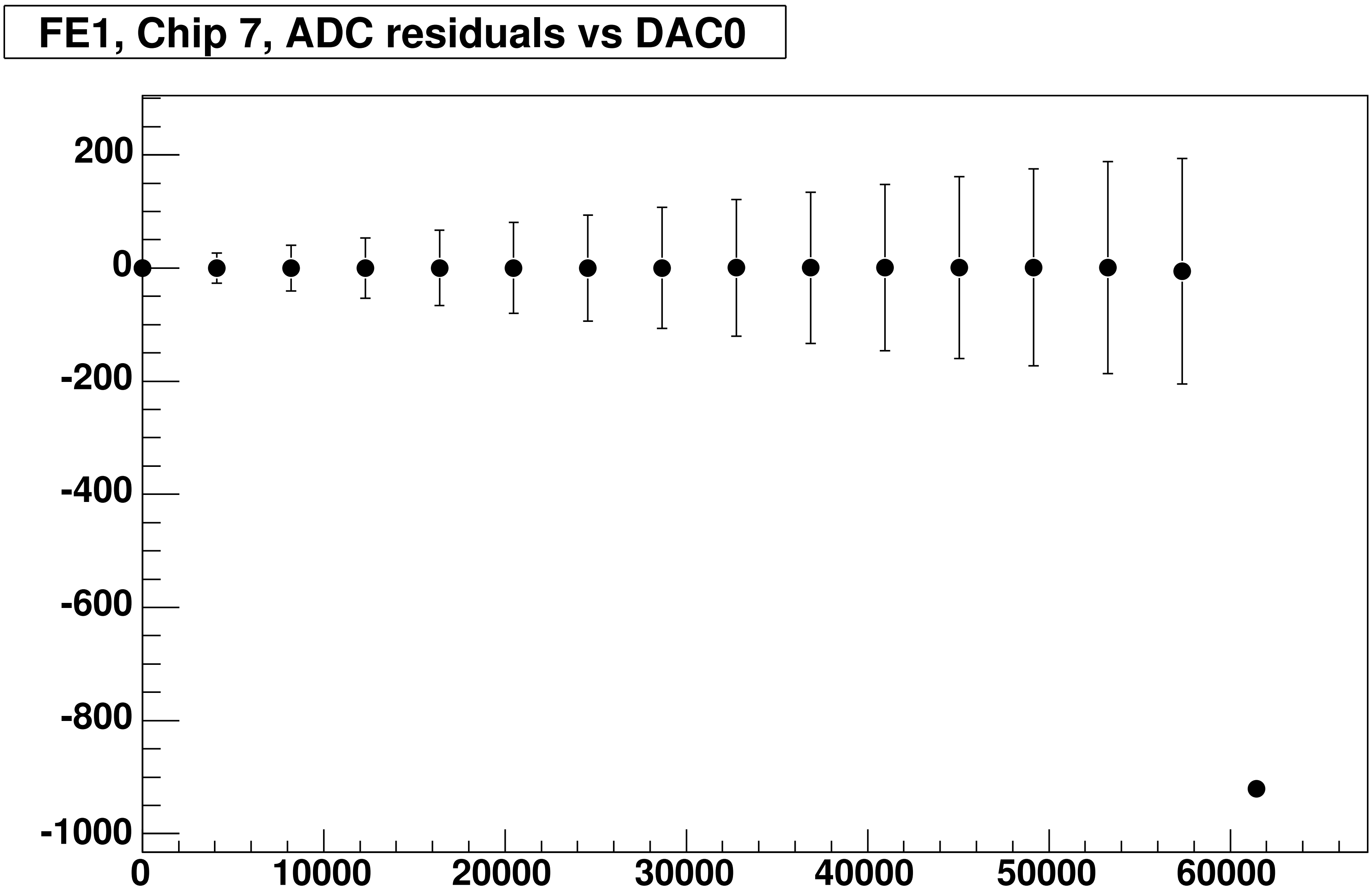


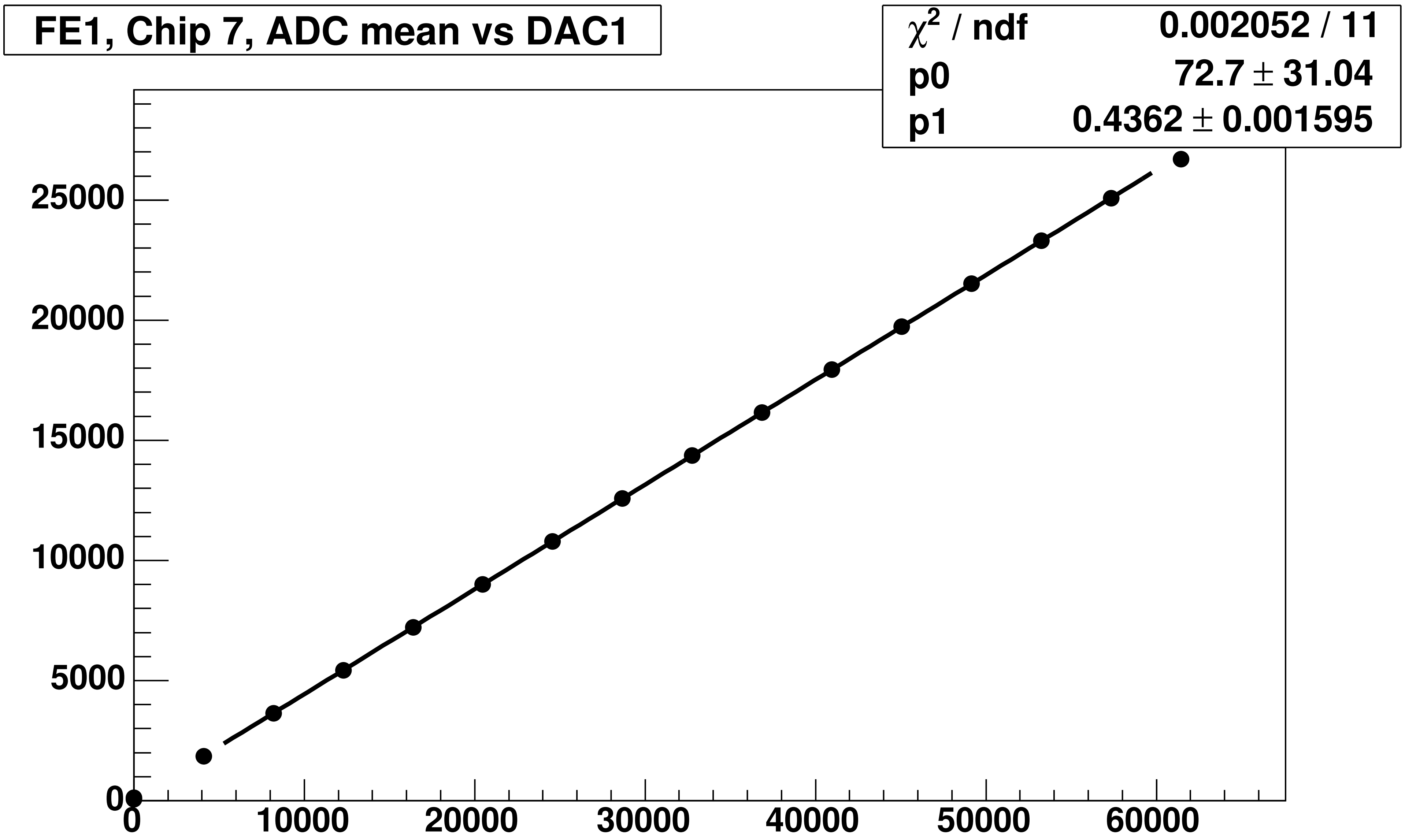
FE1, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 6, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

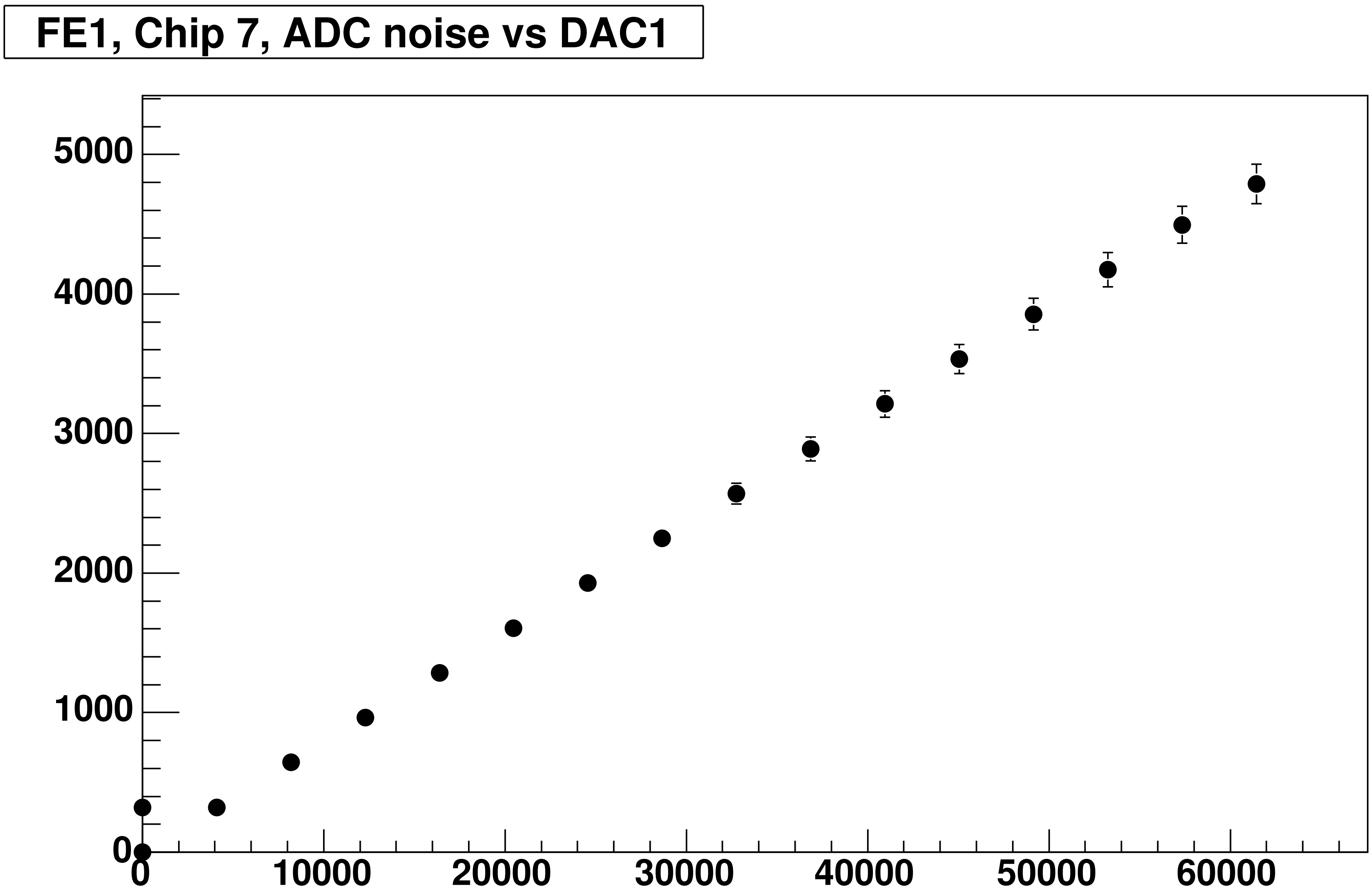

FE1, Chip 7, ADC mean vs DAC0
χ^2 / ndf 0.0009517 / 11
p0 128.5 ± 41.88
p1 0.01404 ± 0.001886
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

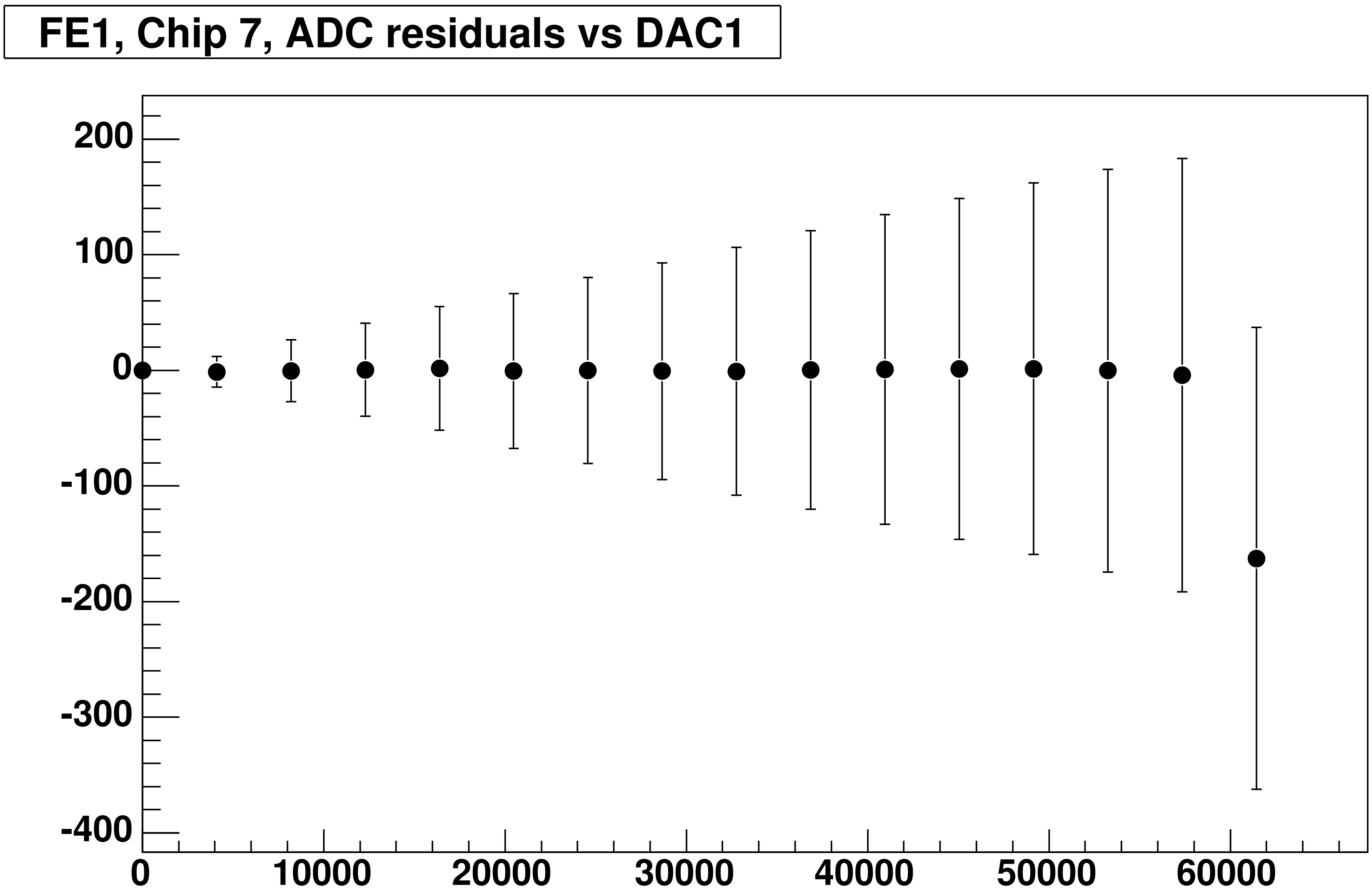

FE1, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

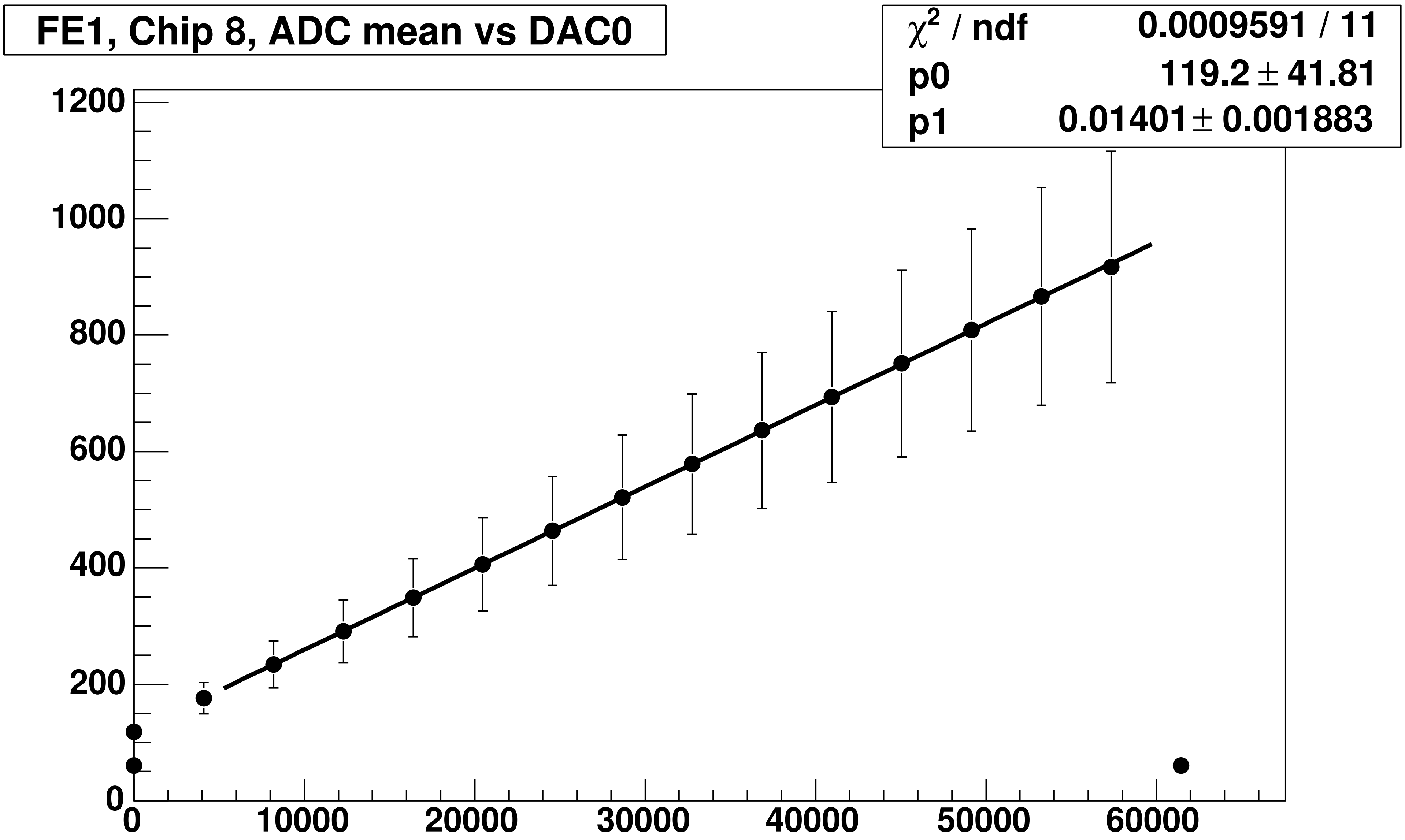


FE1, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.002052 / 11
p0 72.7 ± 31.04
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

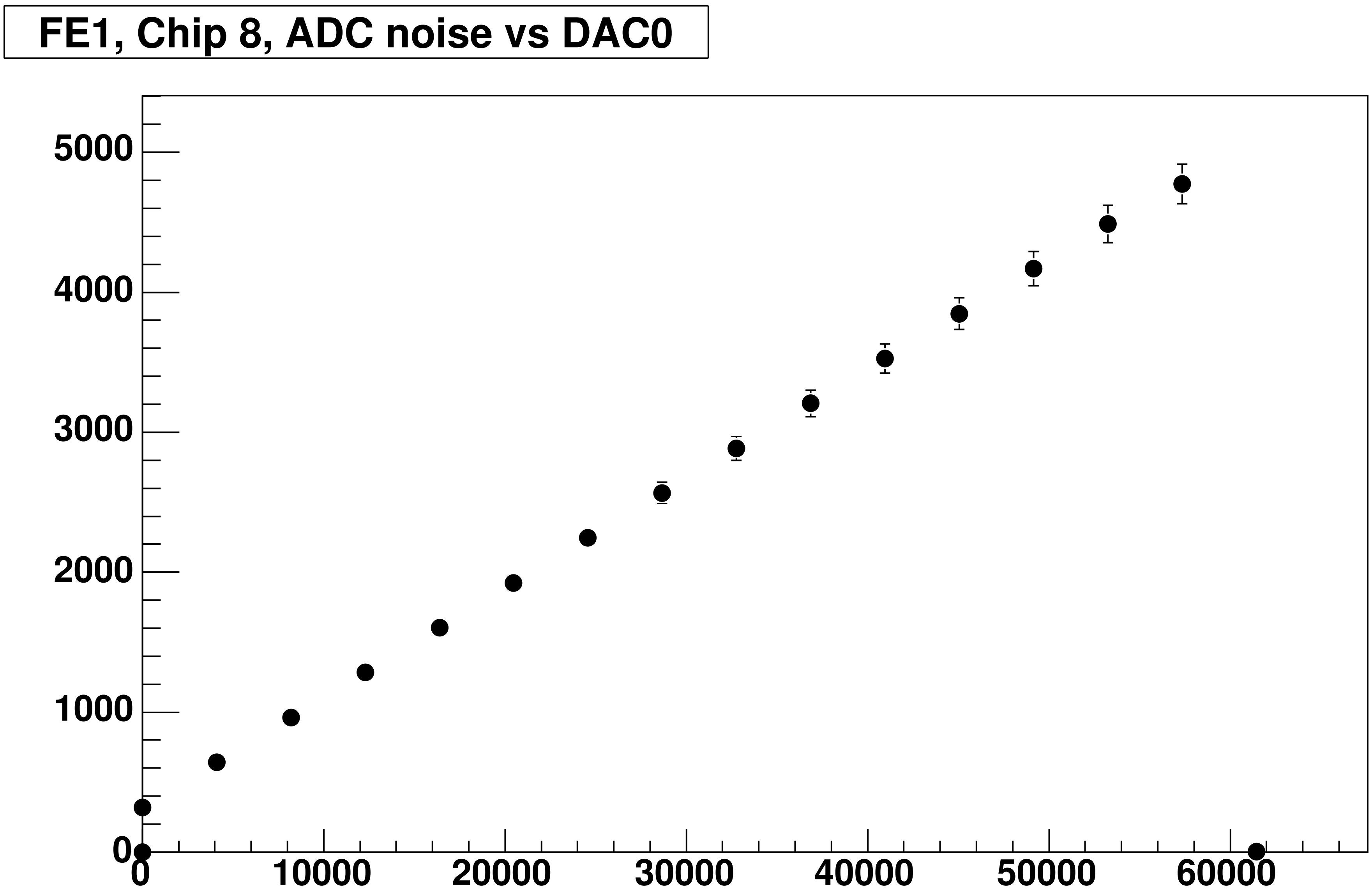


FE1, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

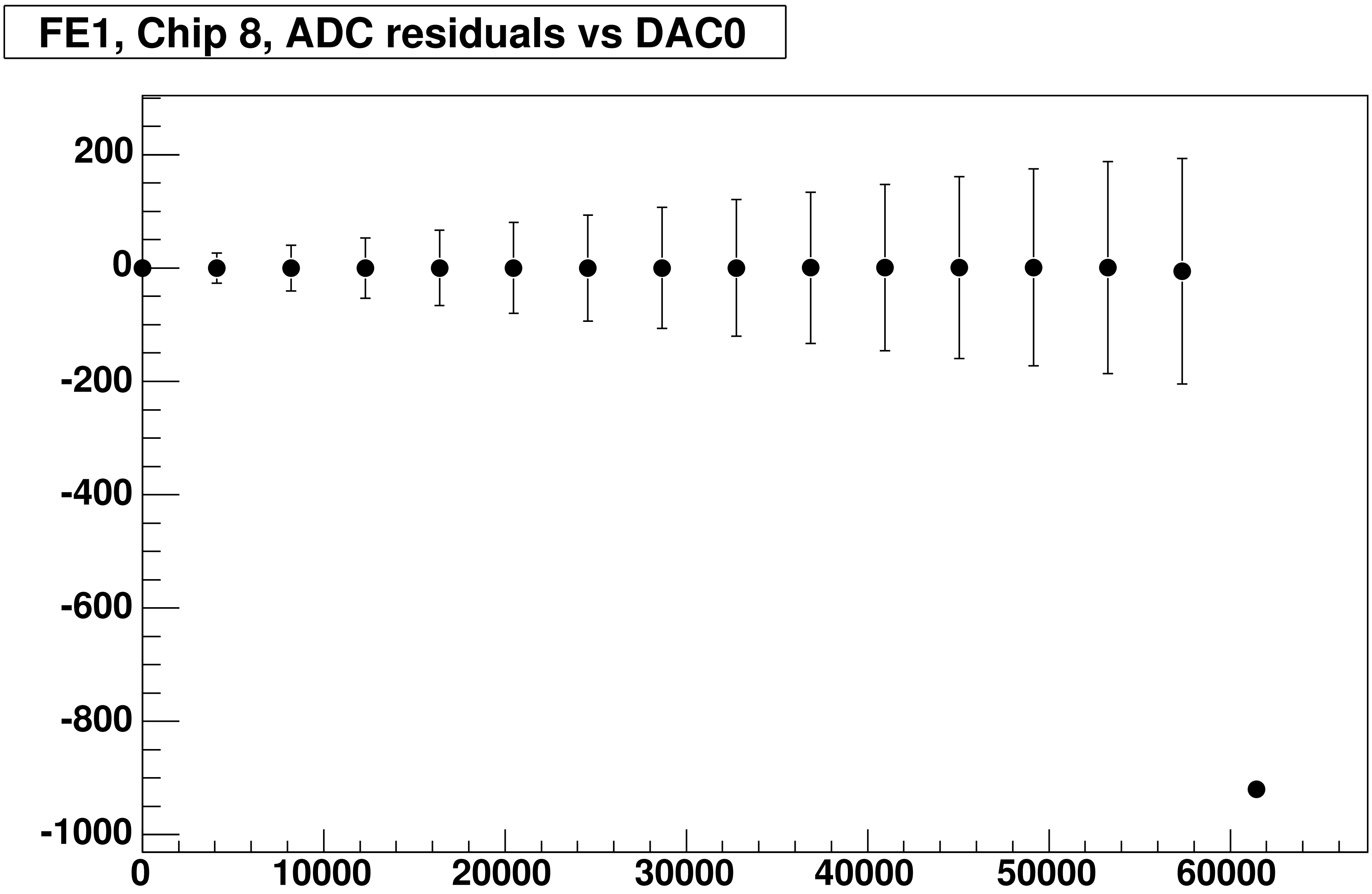

FE1, Chip 7, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

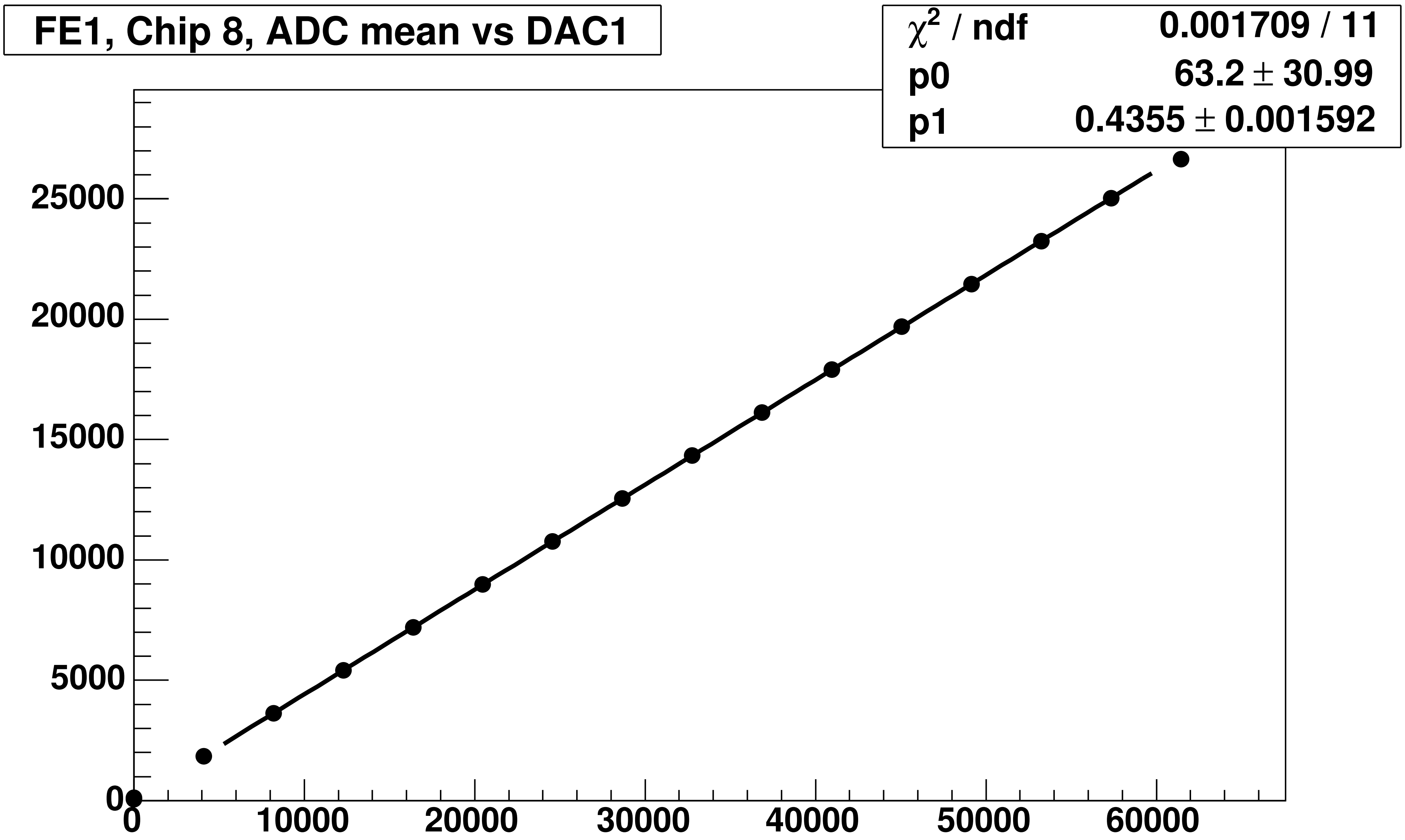


FE1, Chip 8, ADC mean vs DAC0
χ^2 / ndf 0.0009591 / 11
p0 119.2 ± 41.81
p1 0.01401 ± 0.001883
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

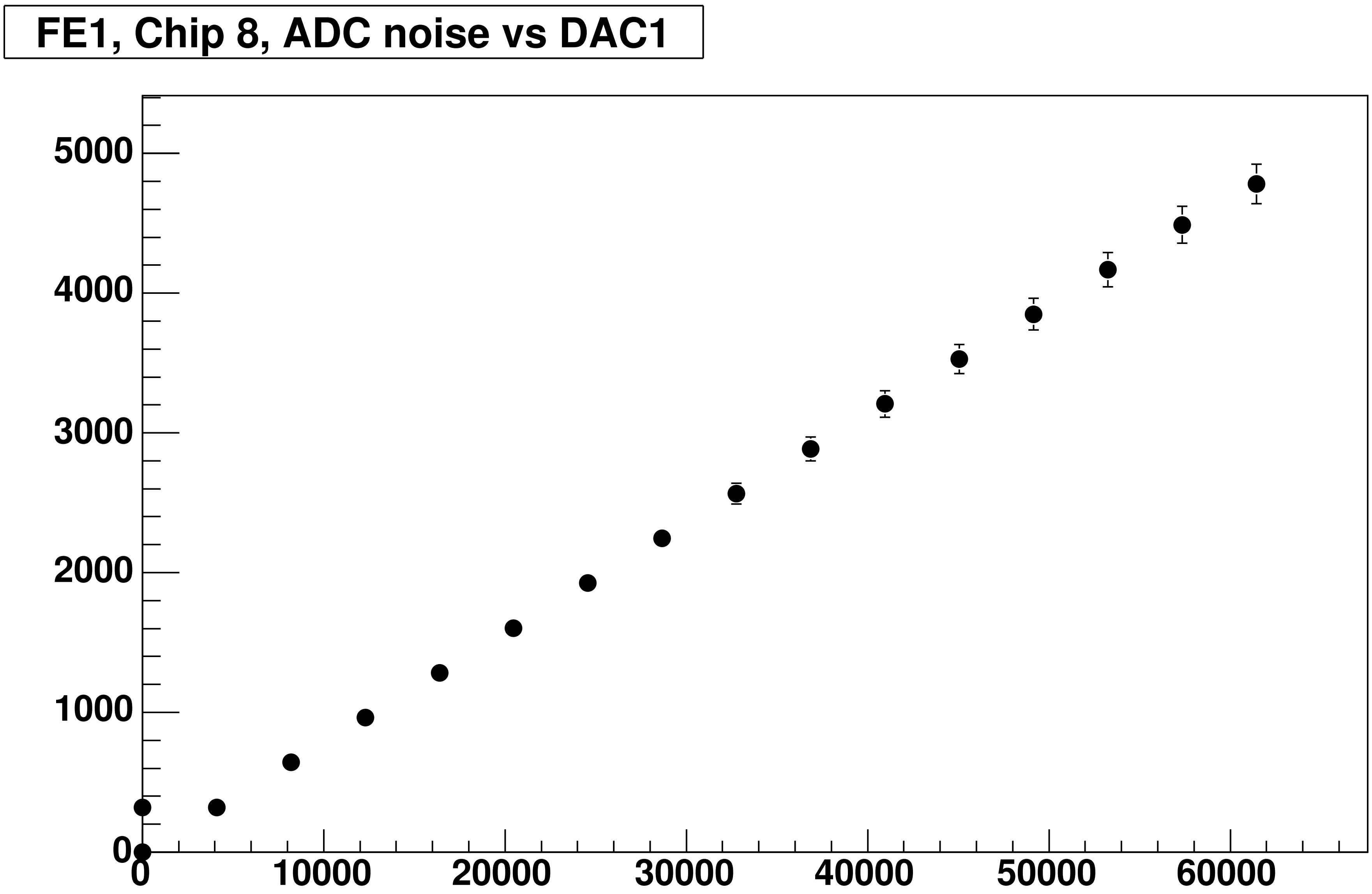


FE1, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

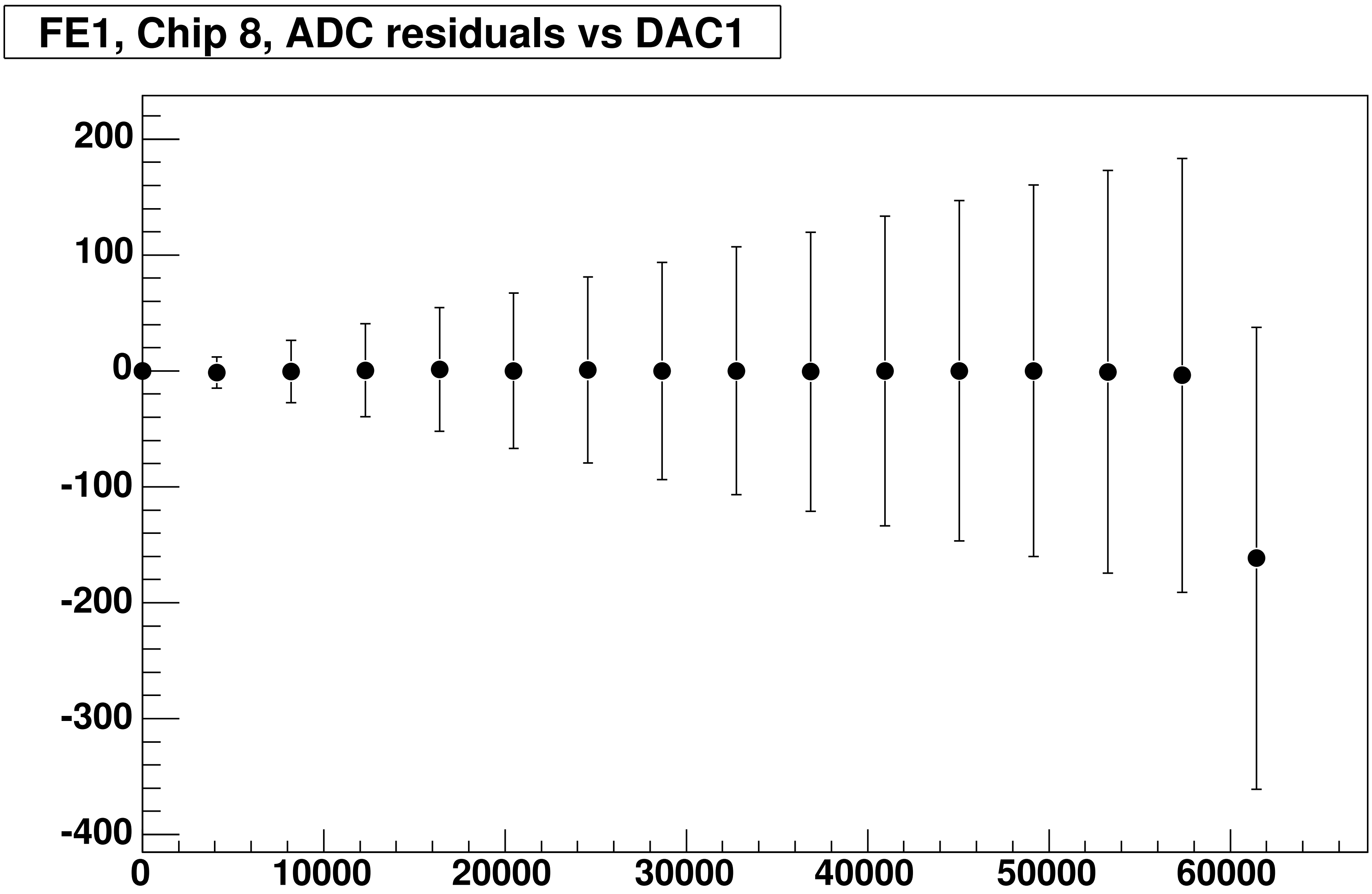

FE1, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

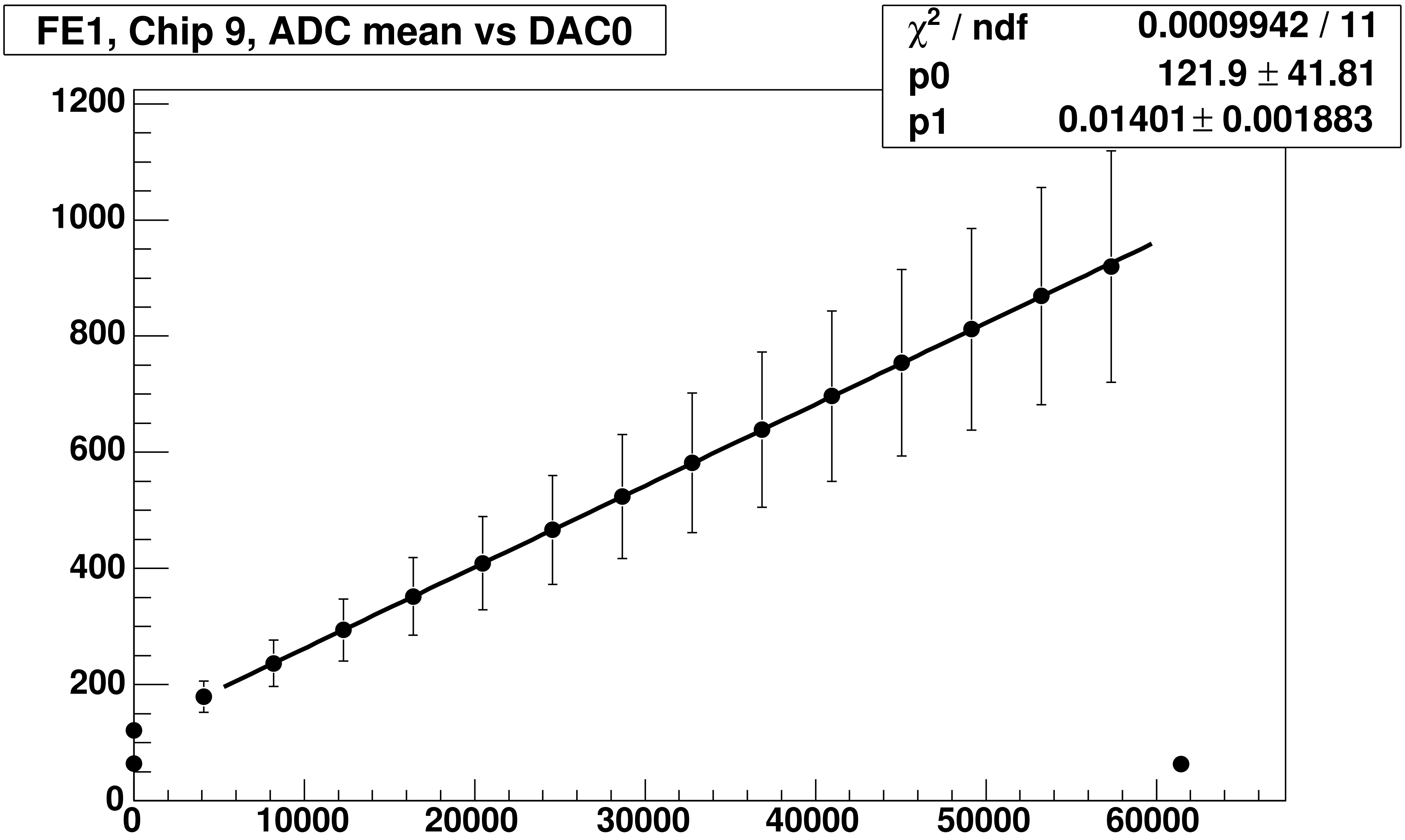


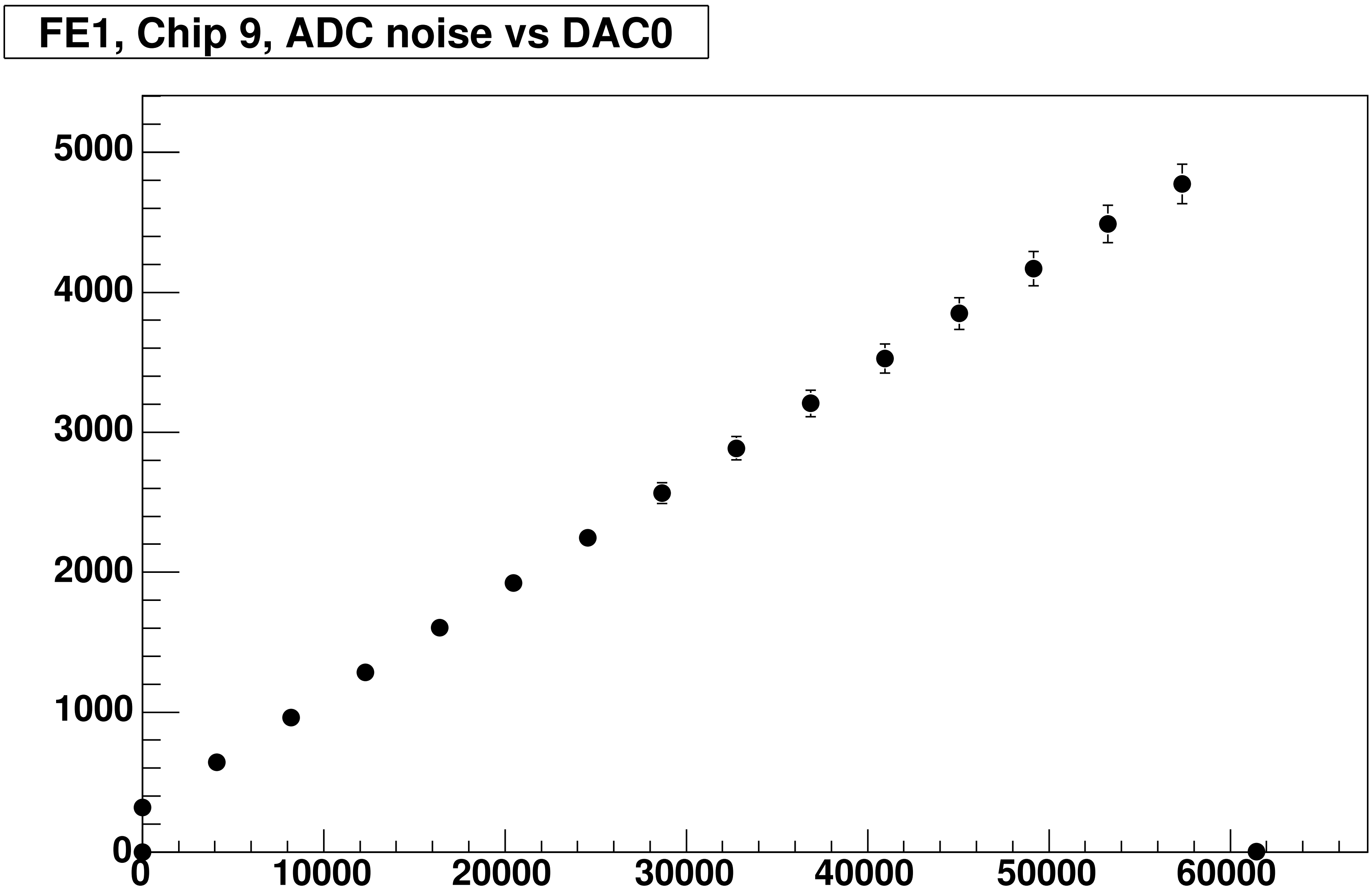
FE1, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001709 / 11
p0 63.2 ± 30.99
p1 0.4355 ± 0.001592
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

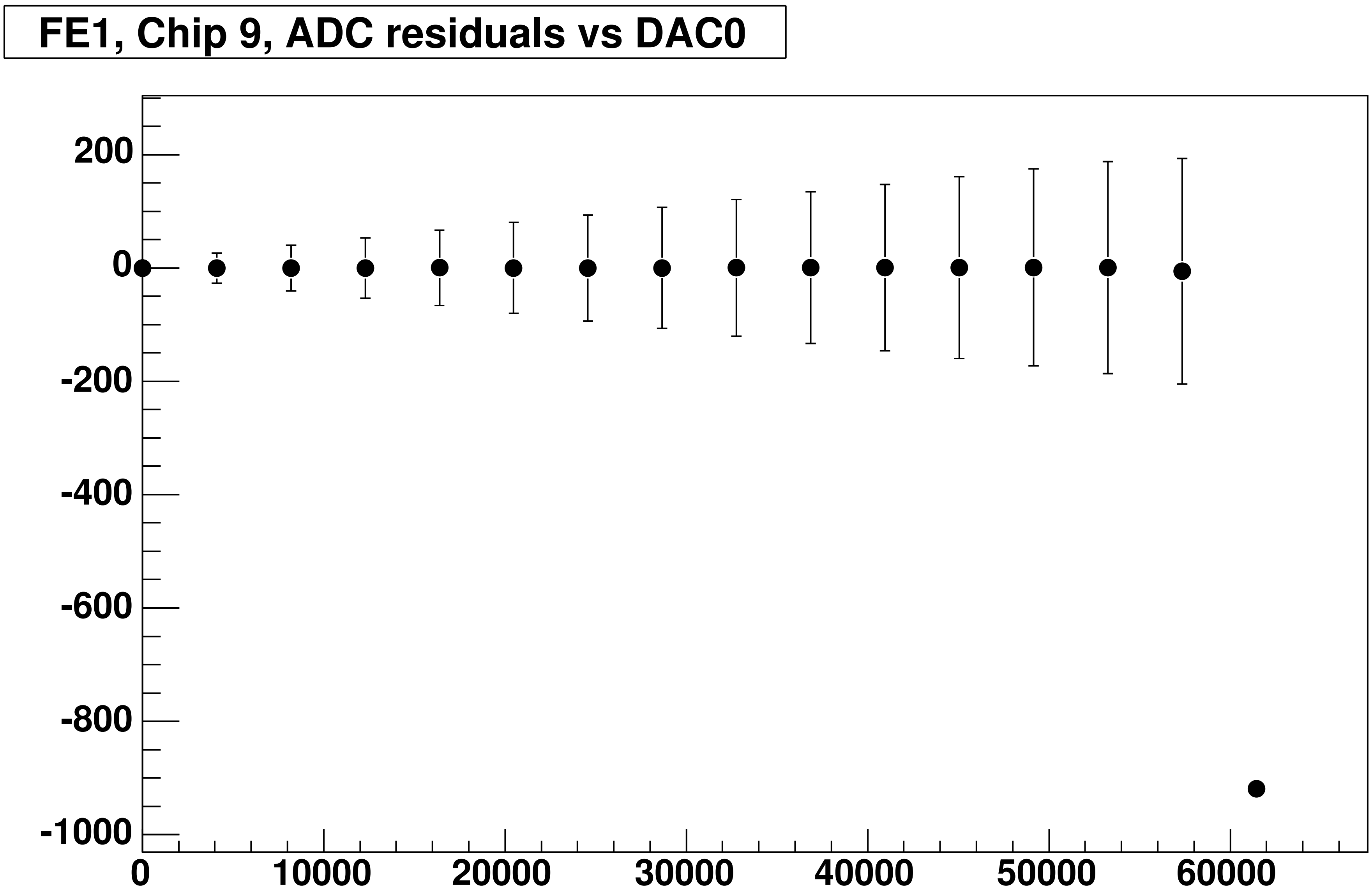


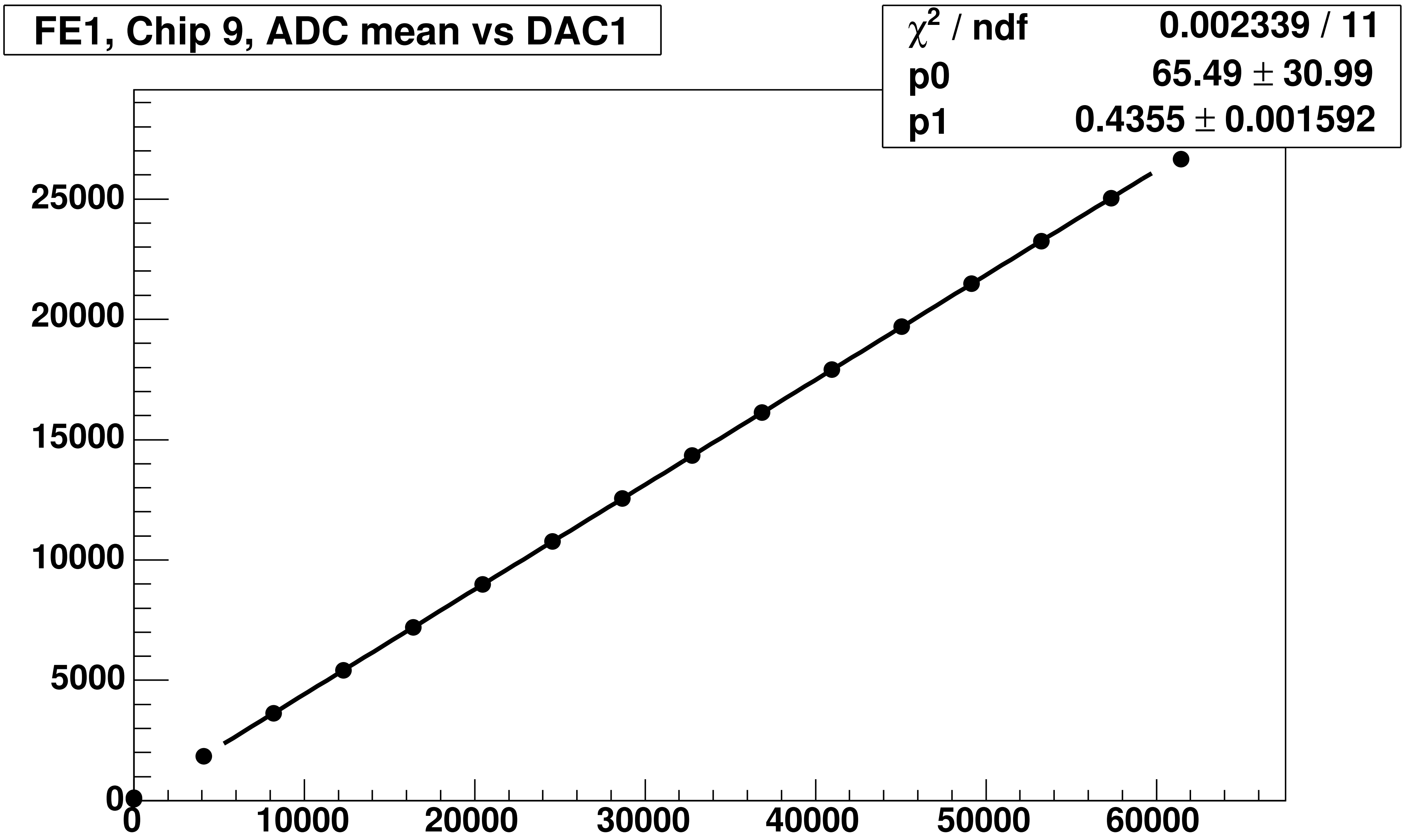
FE1, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 8, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

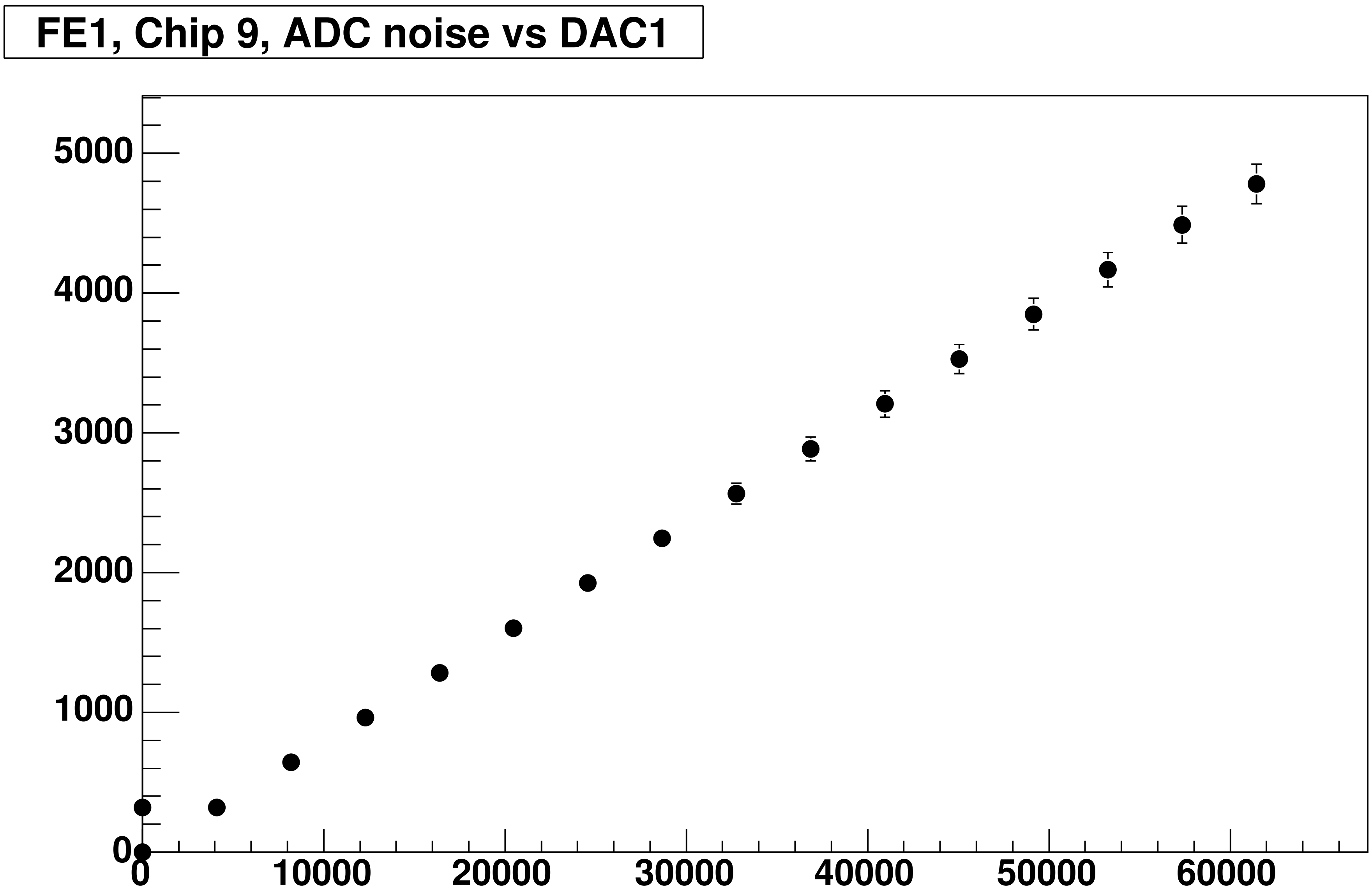

FE1, Chip 9, ADC mean vs DAC0
χ^2 / ndf 0.0009942 / 11
p0 121.9 ± 41.81
p1 0.01401 ± 0.001883
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

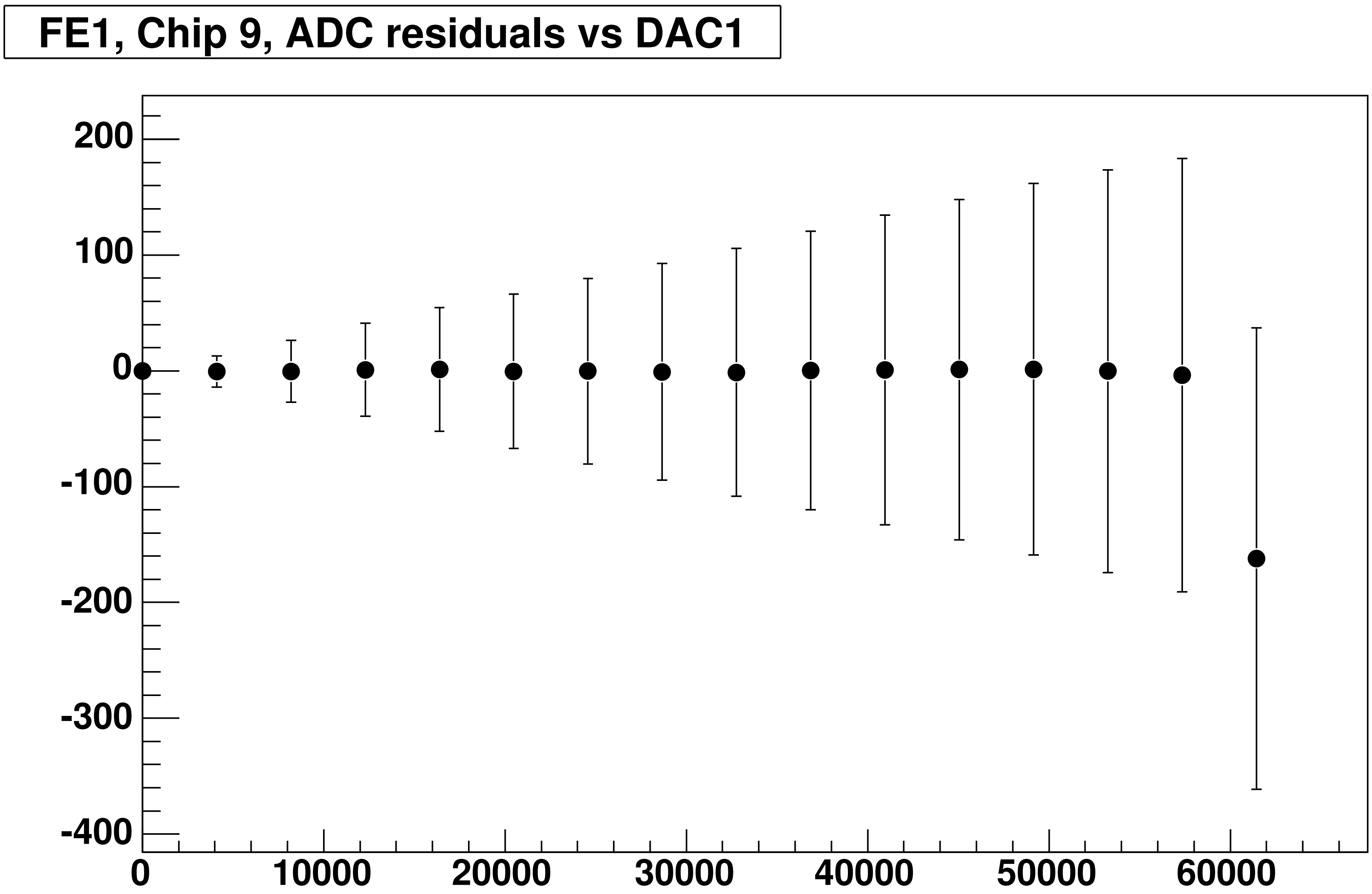

FE1, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

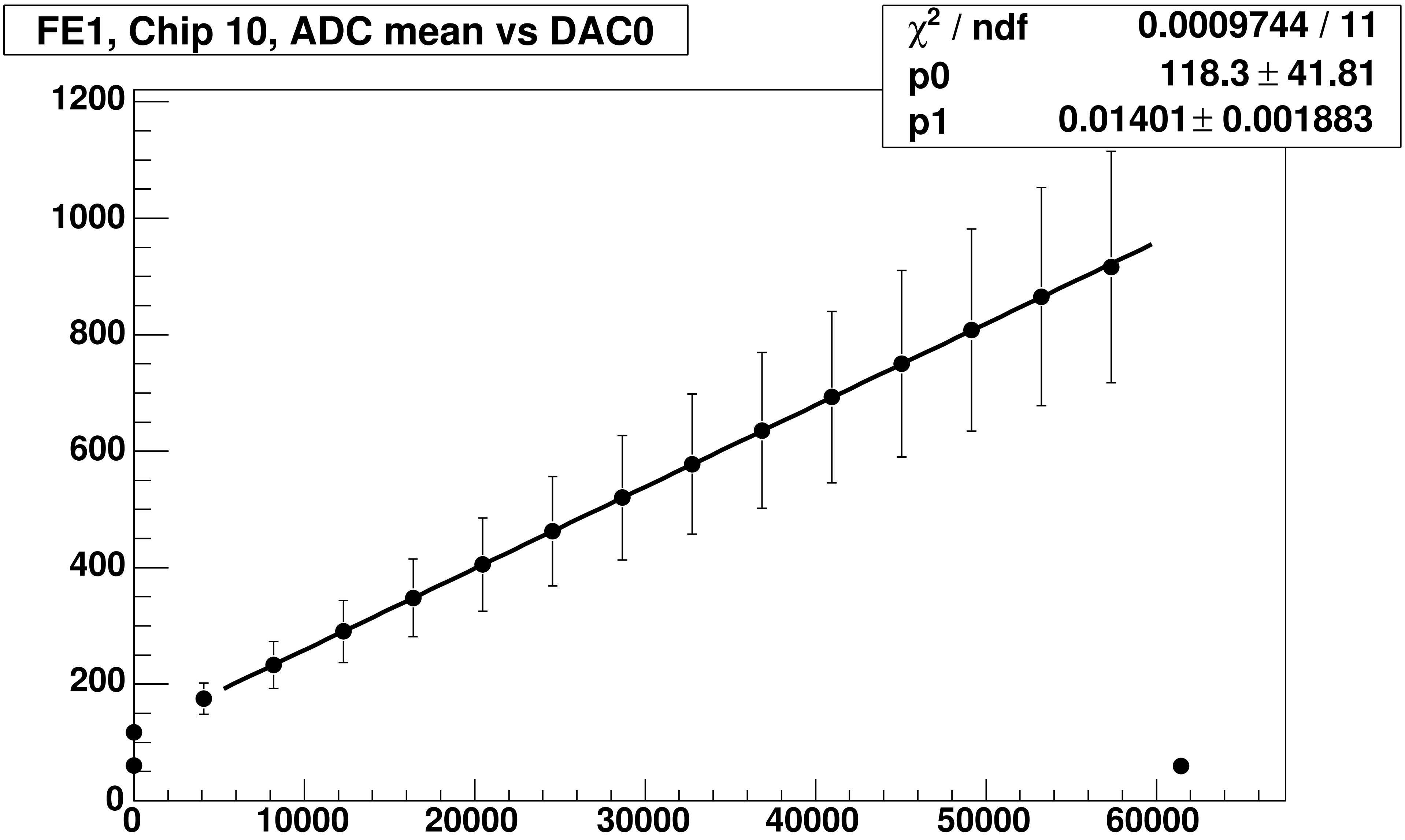

FE1, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



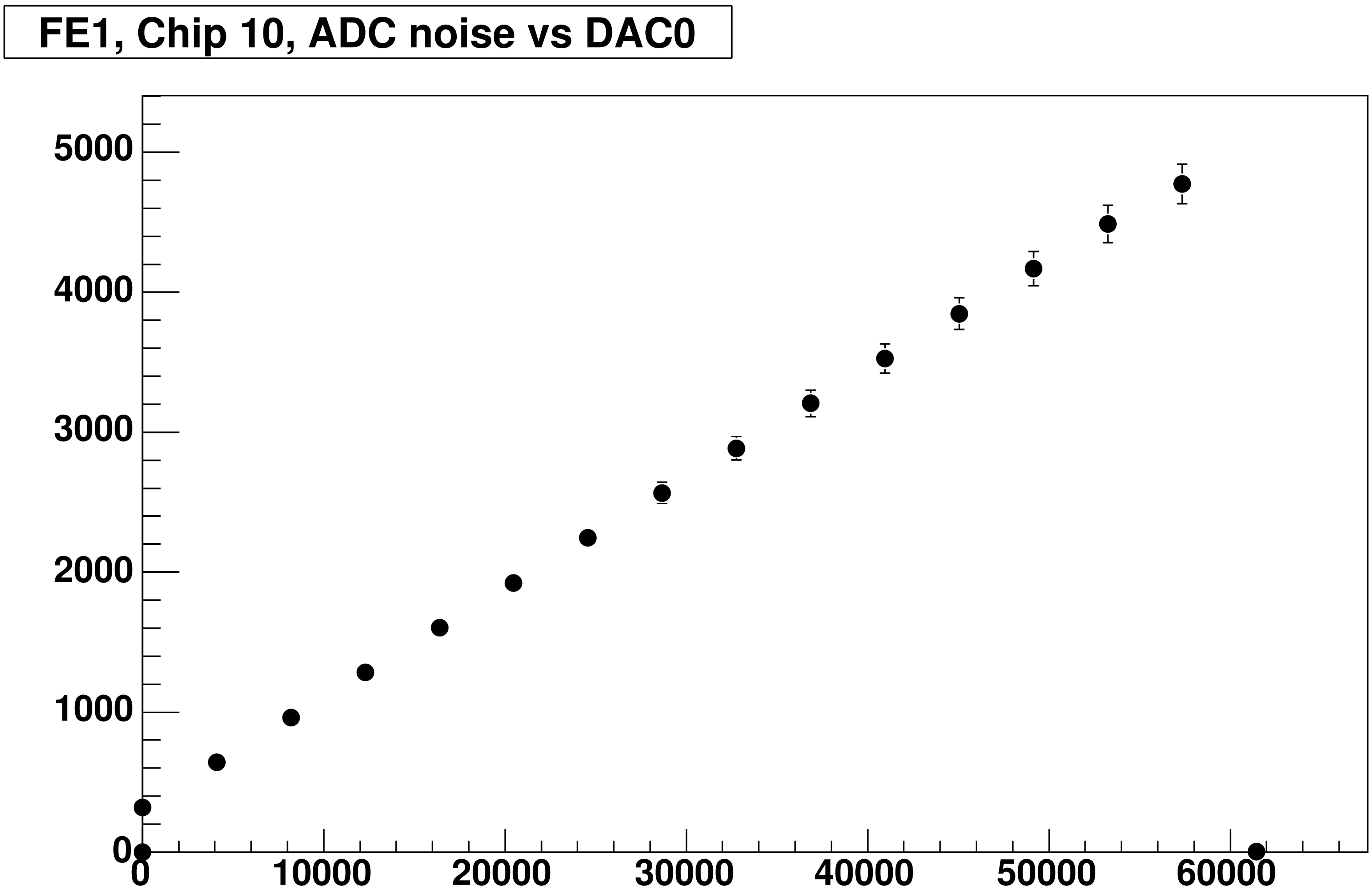
FE1, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.002339 / 11
p0 65.49 ± 30.99
p1 0.4355 ± 0.001592
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

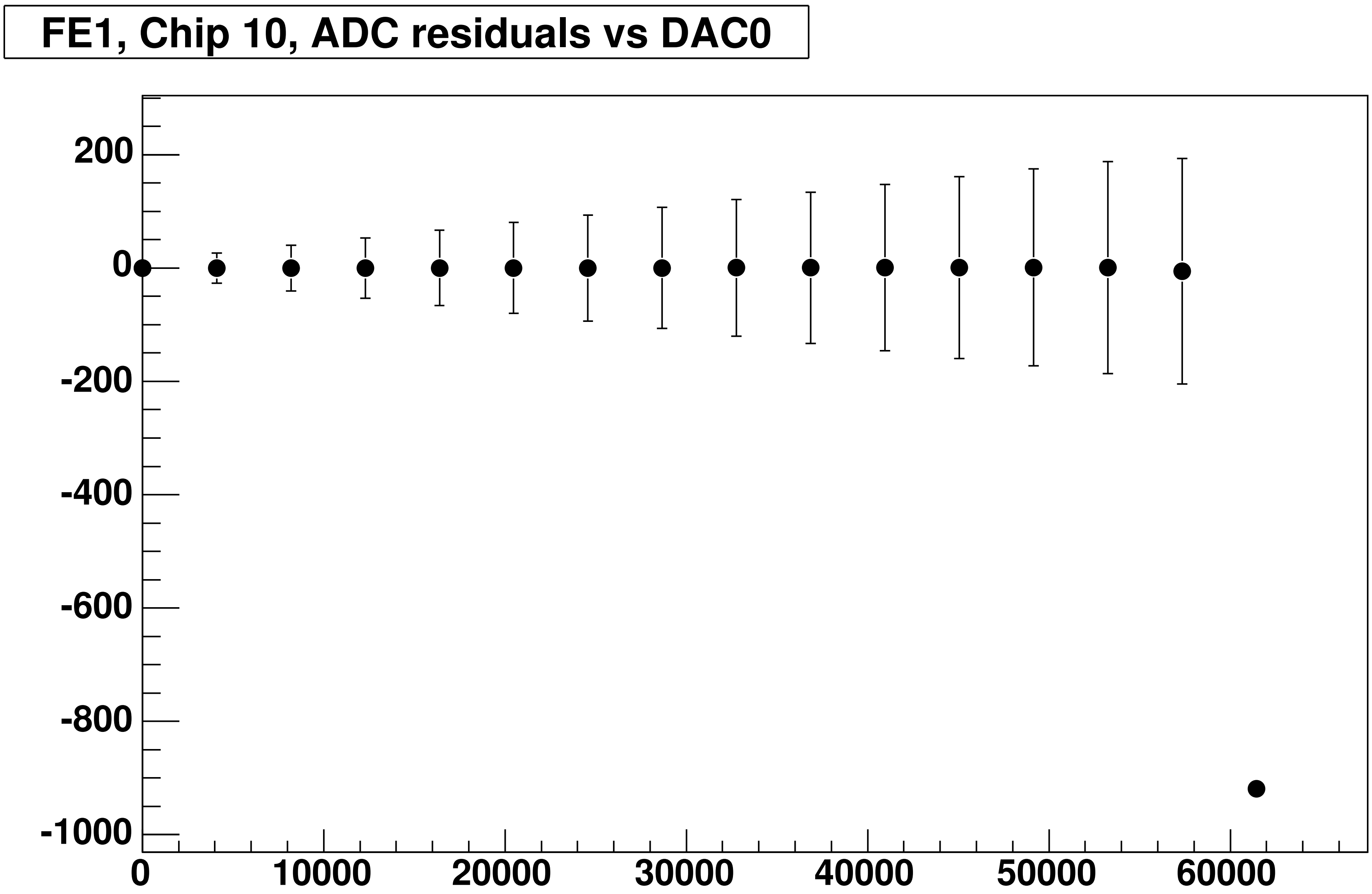

FE1, Chip 9, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

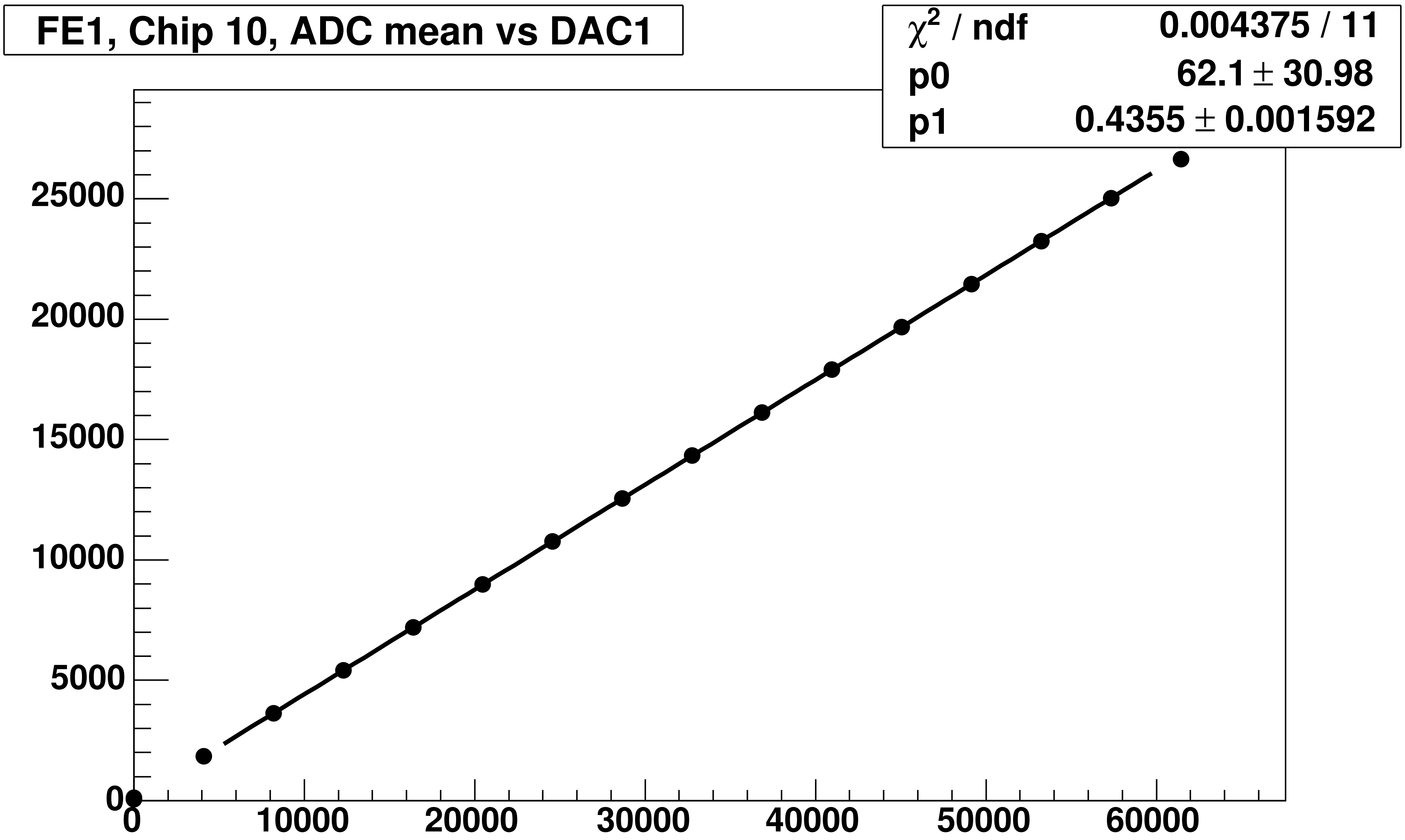


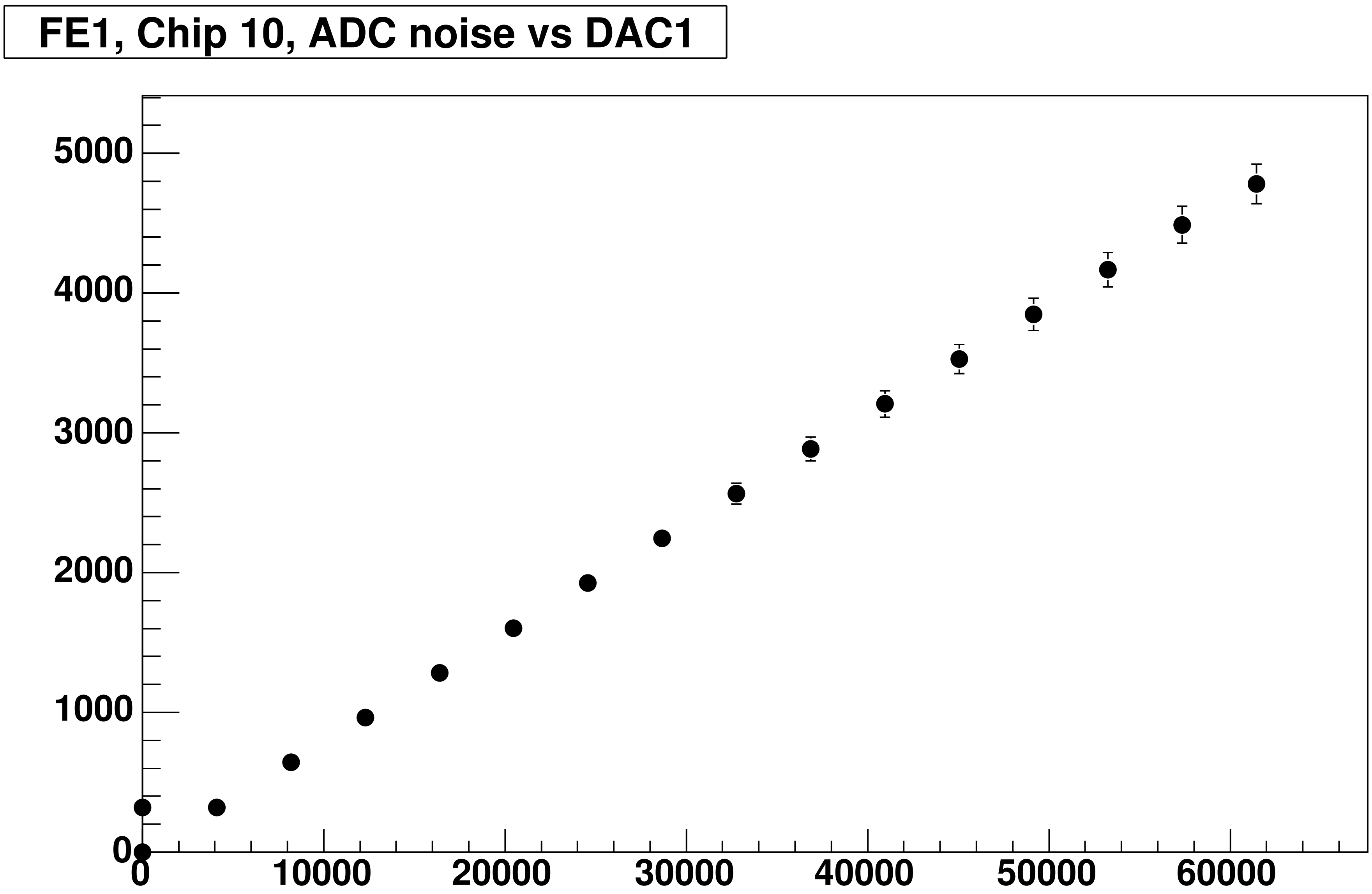
FE1, Chip 10, ADC mean vs DAC0
χ2 / ndf 0.0009744 / 11
p0 118.3 ± 41.81
p1 0.01401 ± 0.001883
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



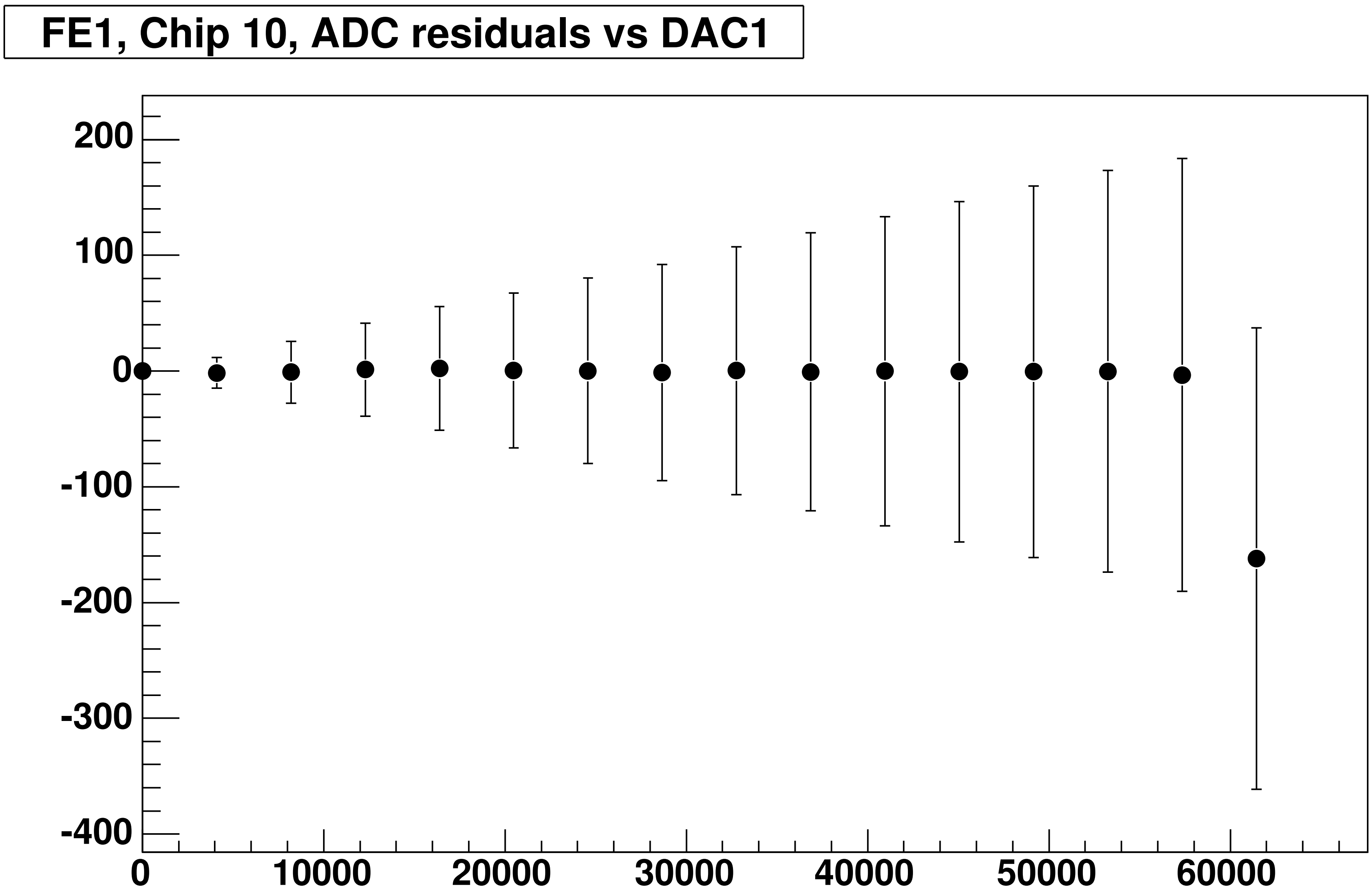
FE1, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

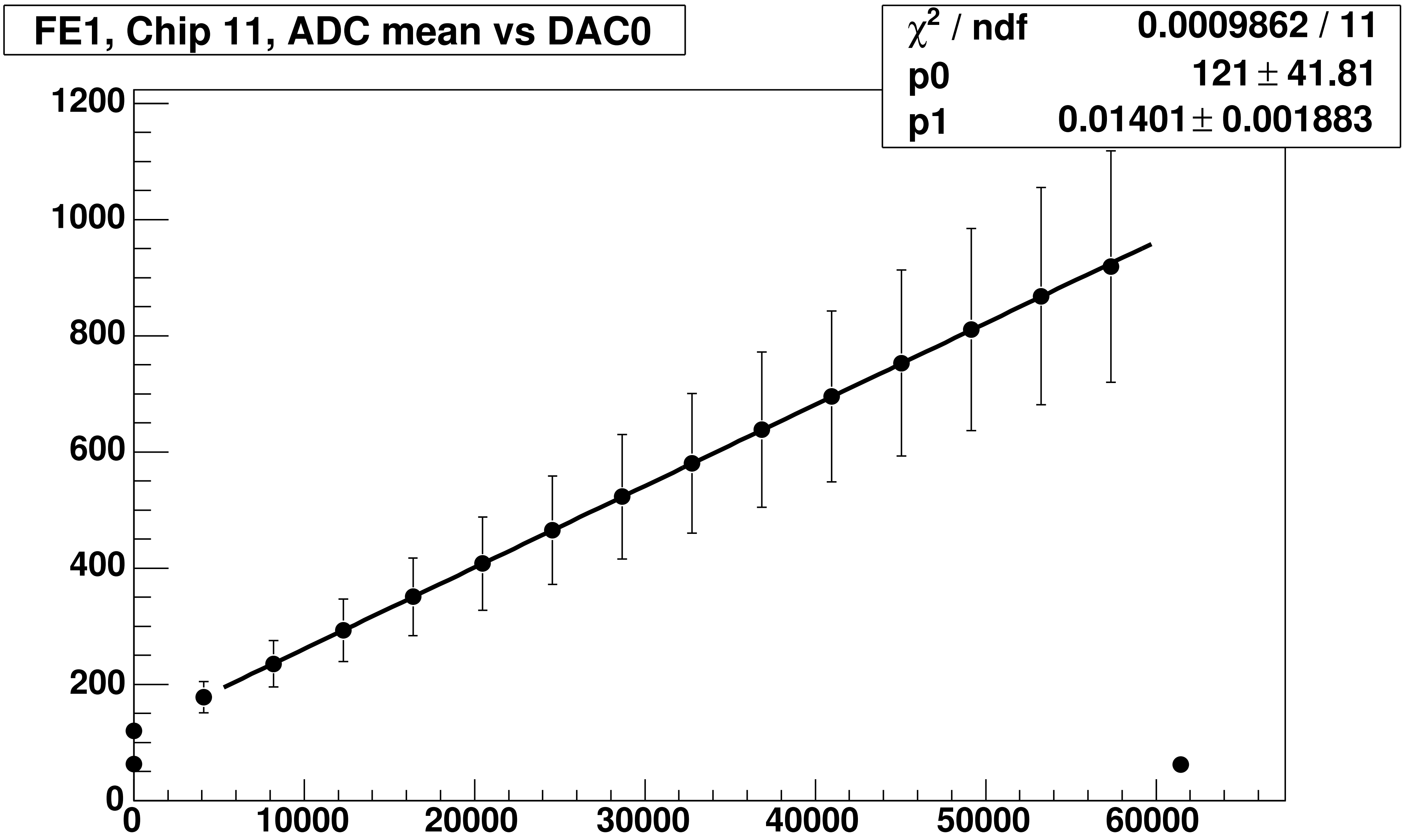

FE1, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.004375 / 11
p0 62.1 ± 30.98
p1 0.4355 ± 0.001592
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

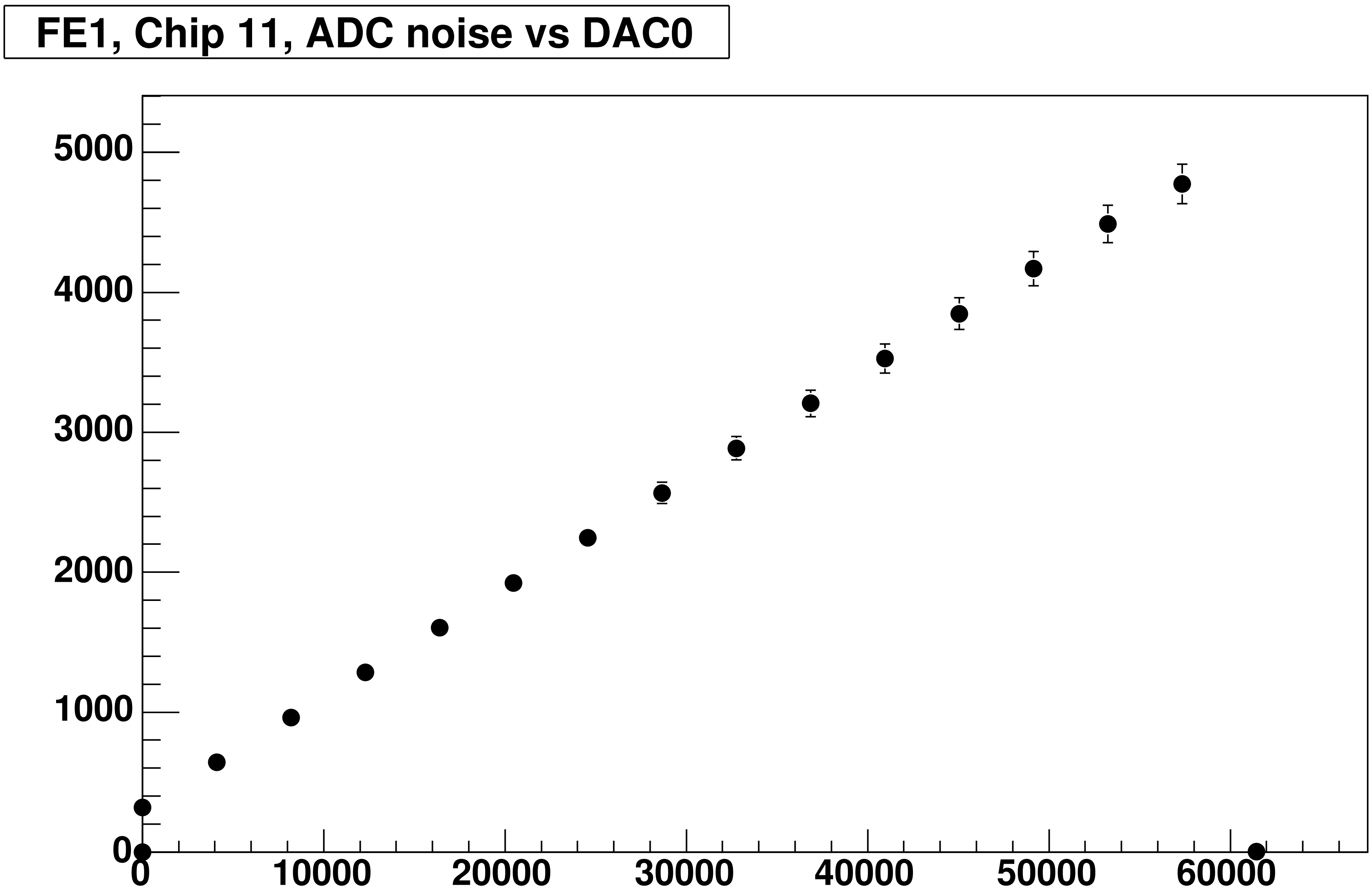


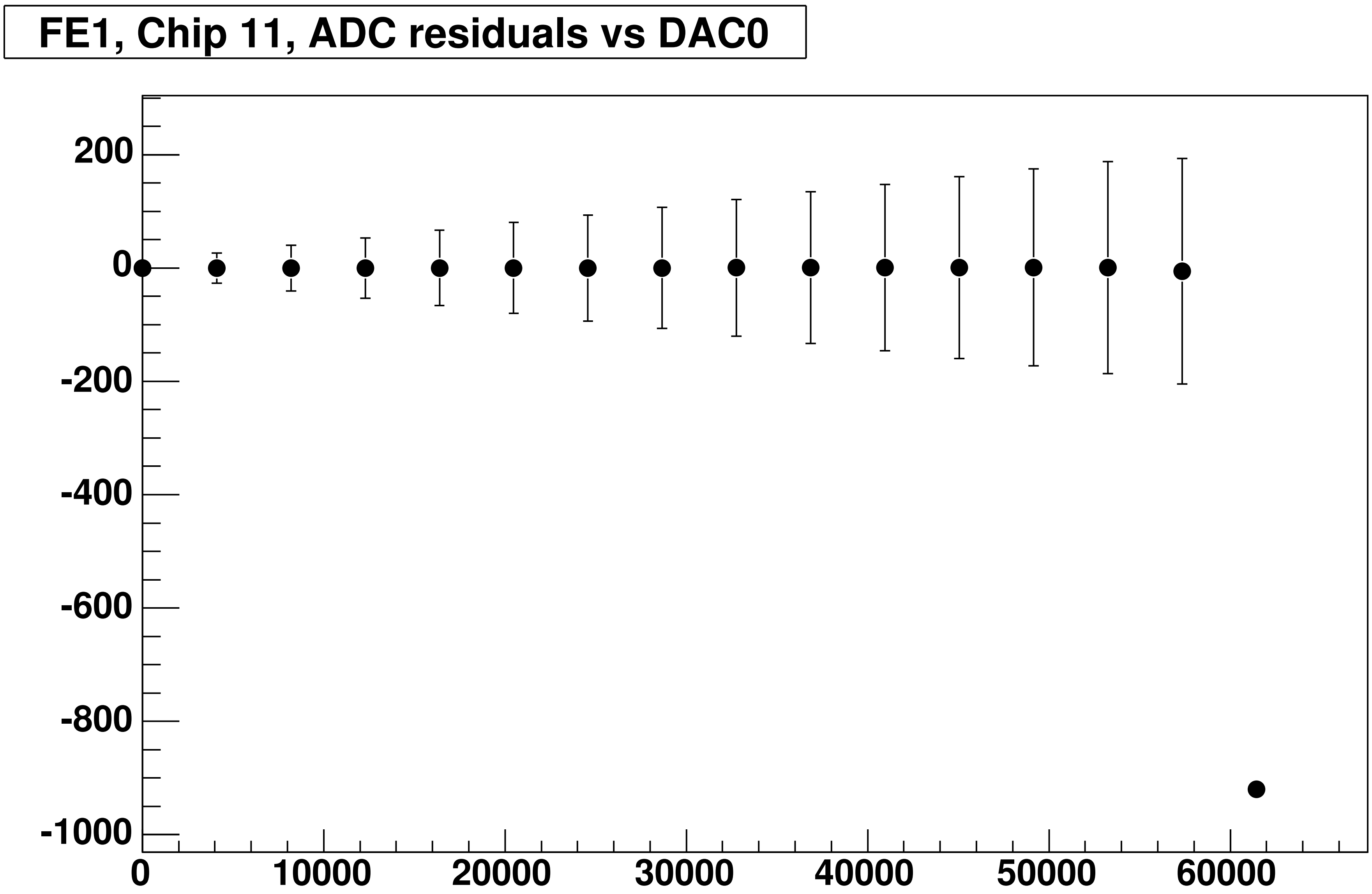
FE1, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

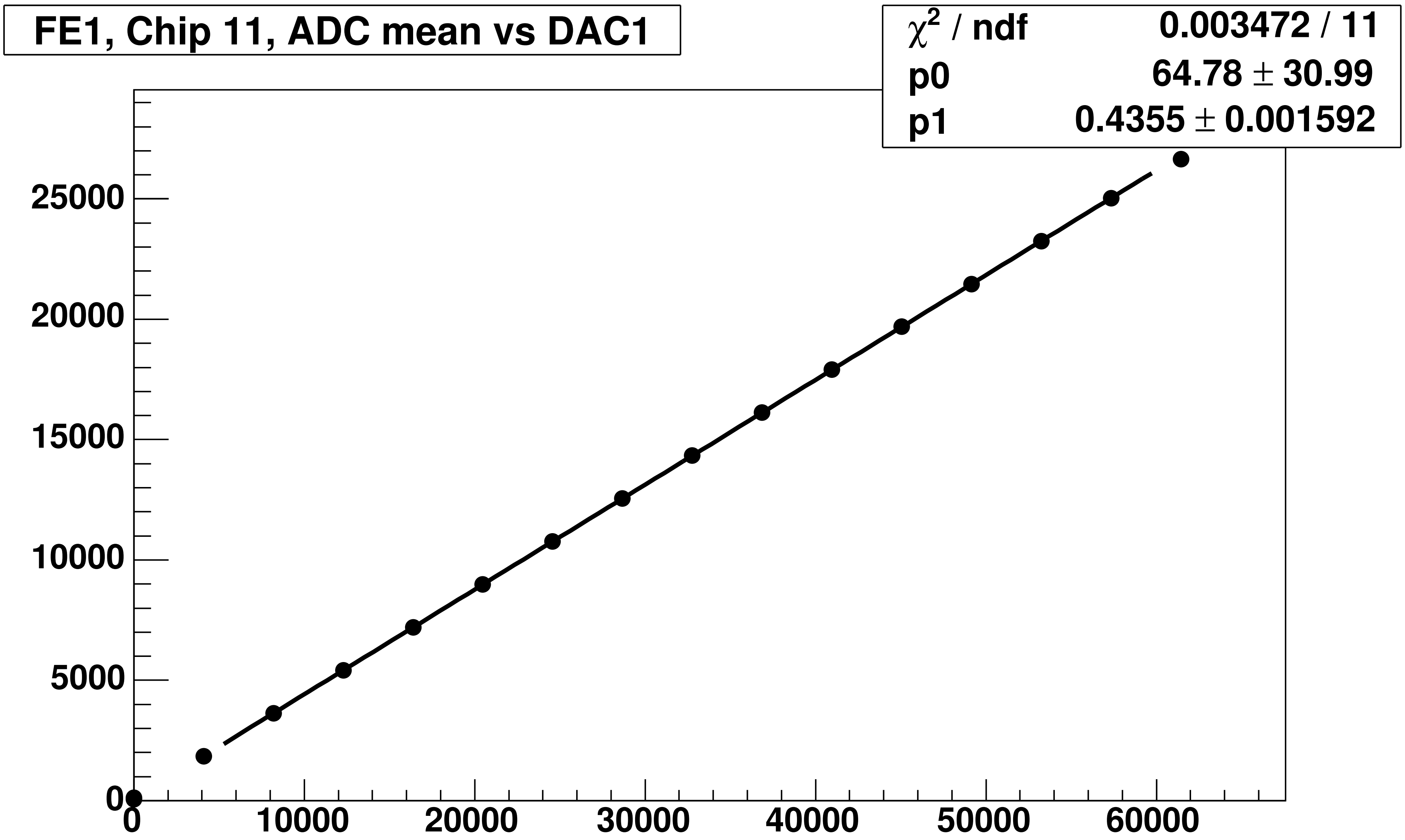

FE1, Chip 10, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000



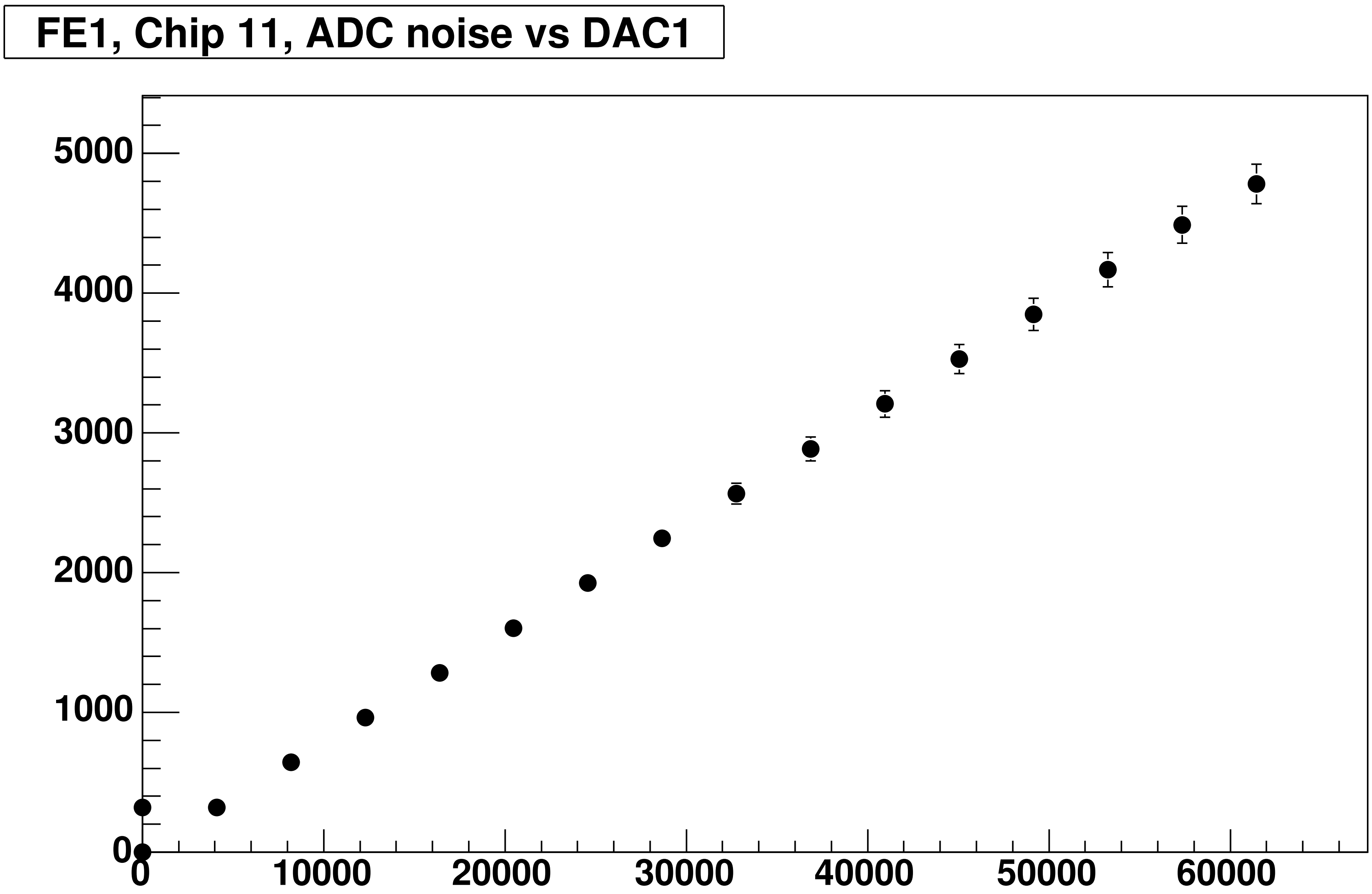
FE1, Chip 11, ADC mean vs DAC0
χ^2 / ndf 0.0009862 / 11
p0 121 ± 41.81
p1 0.01401 ± 0.001883
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

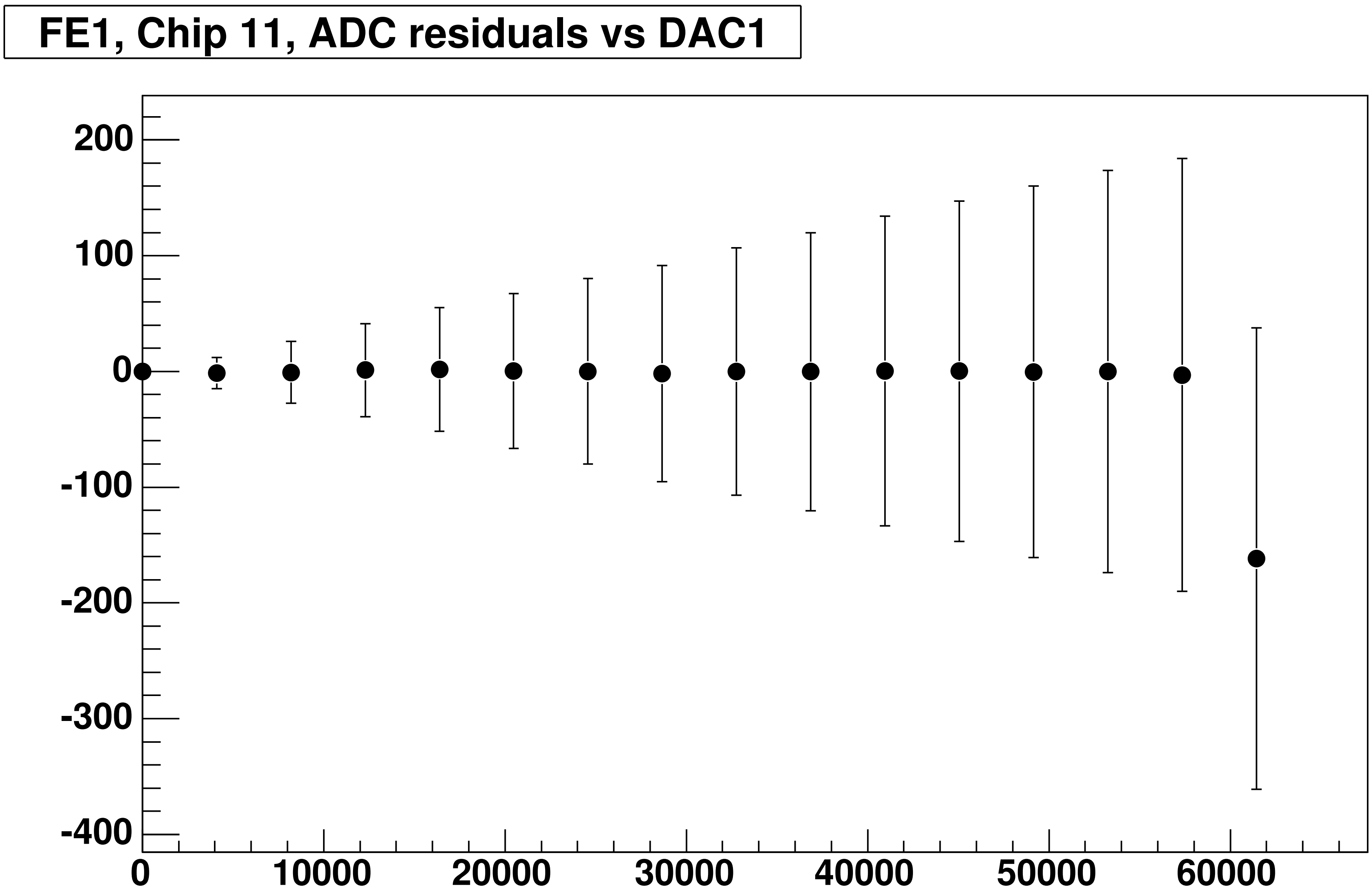

FE1, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

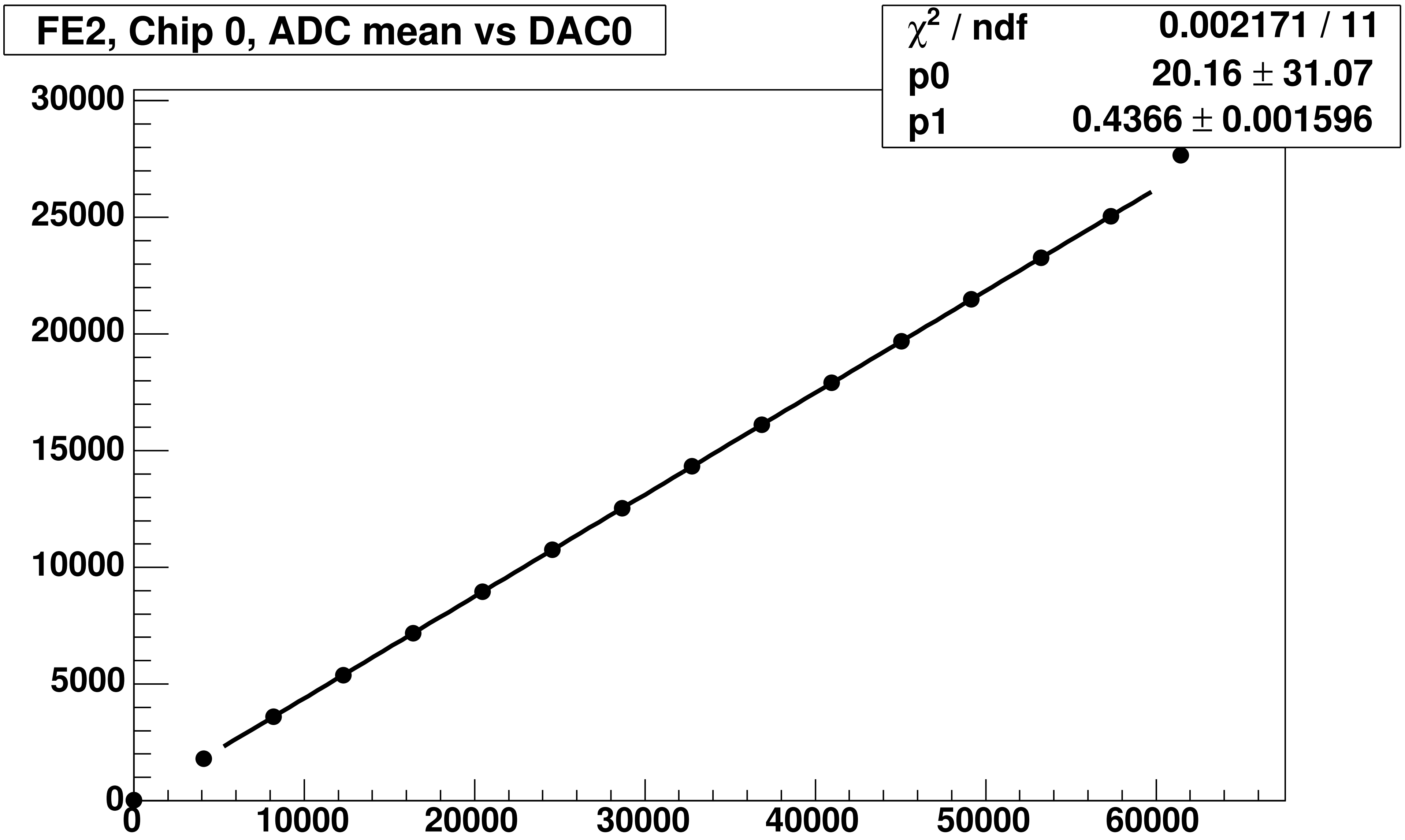

FE1, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



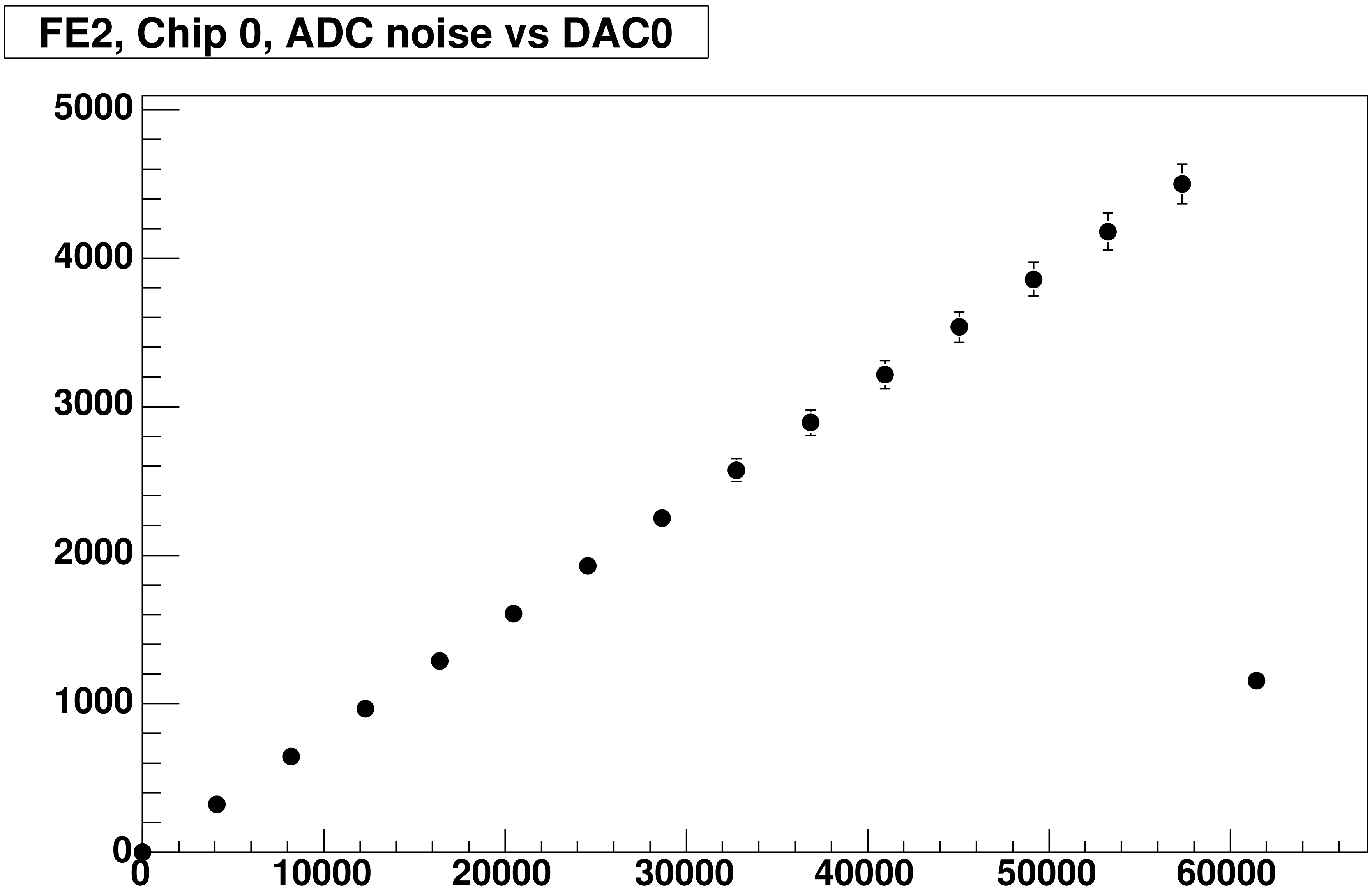
FE1, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.003472 / 11
p0 64.78 ± 30.99
p1 0.4355 ± 0.001592
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

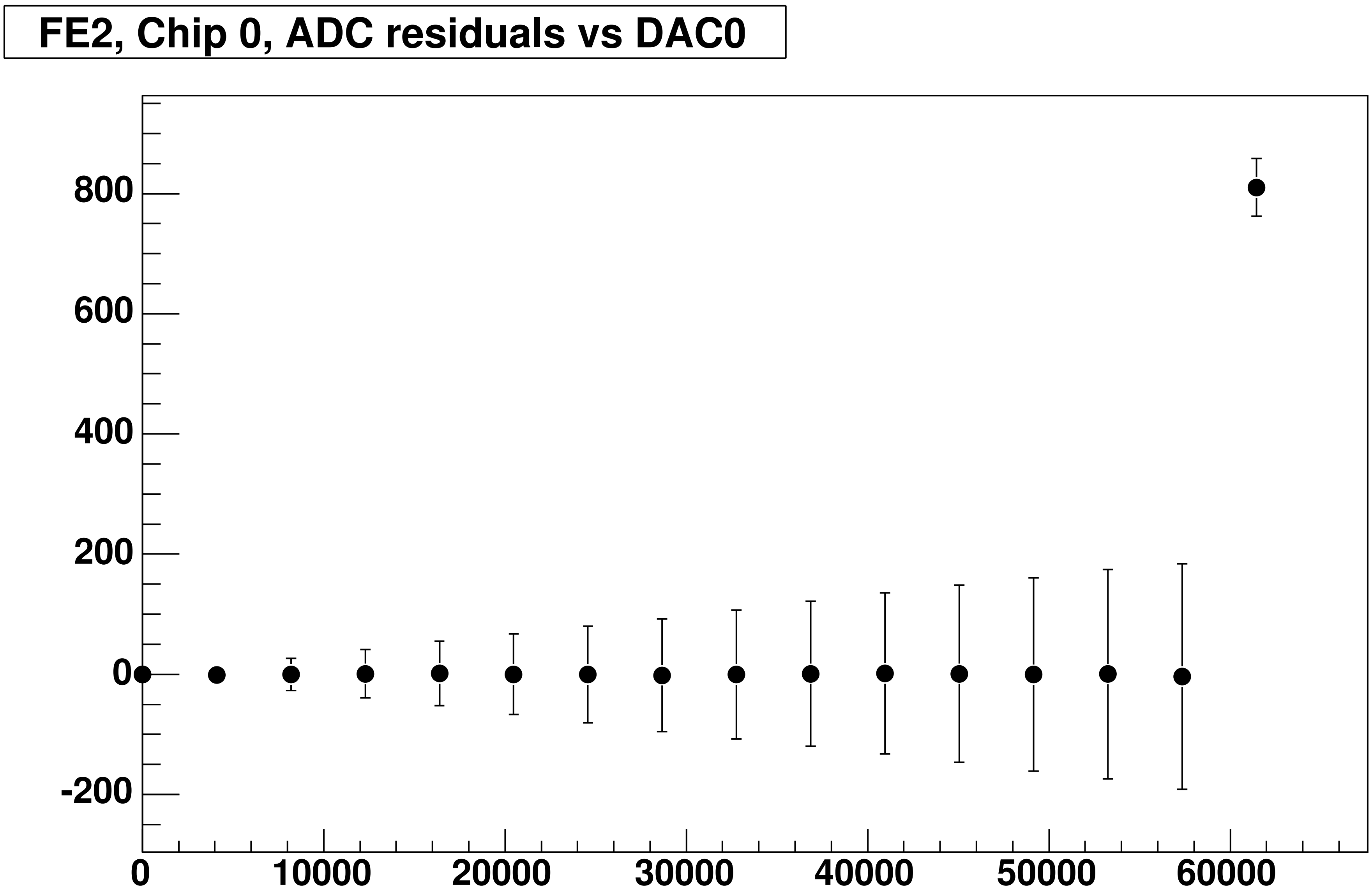

FE1, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

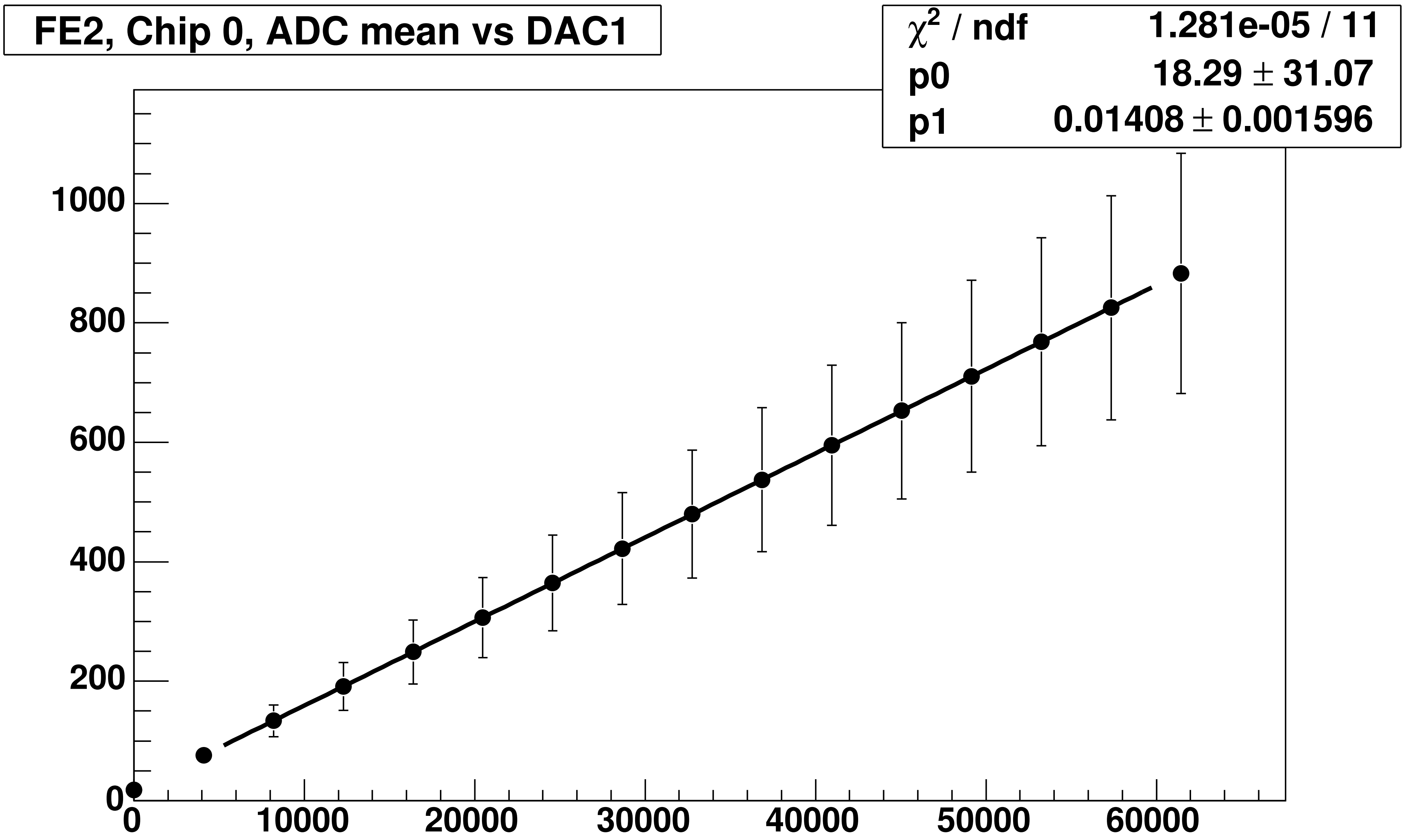

FE1, Chip 11, ADC residuals vs DAC1
200
100
0
-100
-200
-300
-400
0
10000
20000
30000
40000
50000
60000

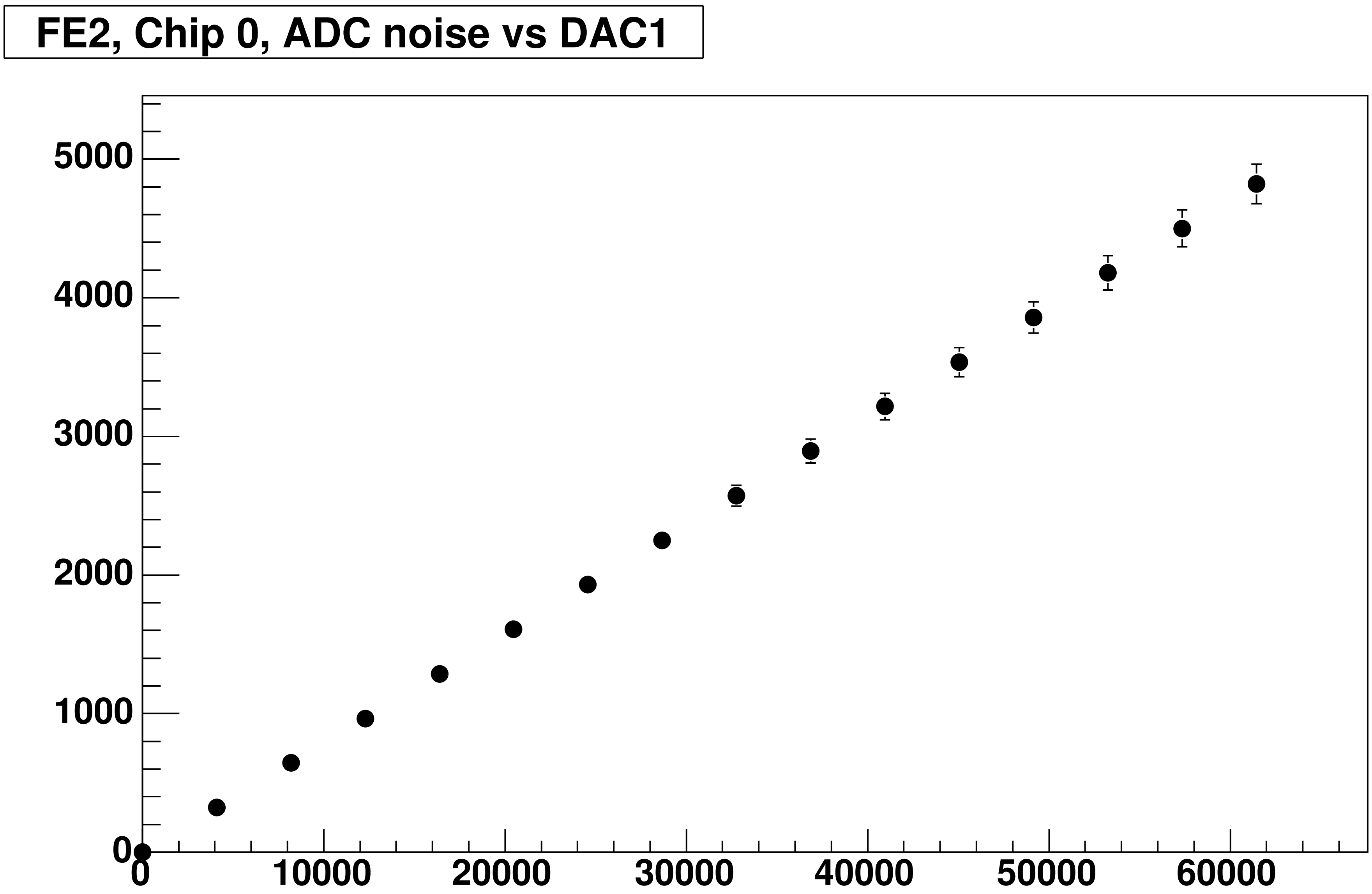


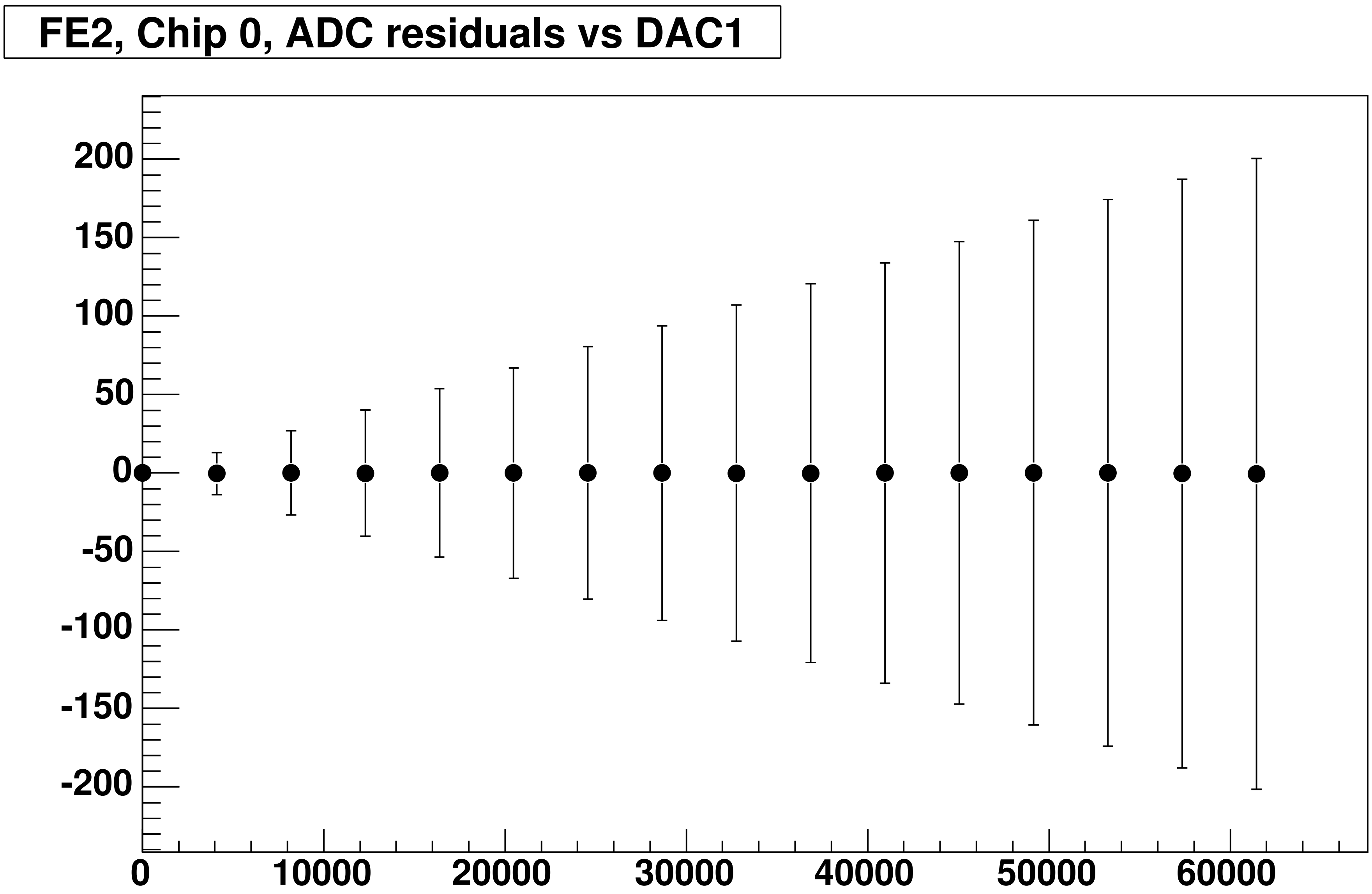
FE2, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.002171 / 11
p0 20.16 ± 31.07
p1 0.4366 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

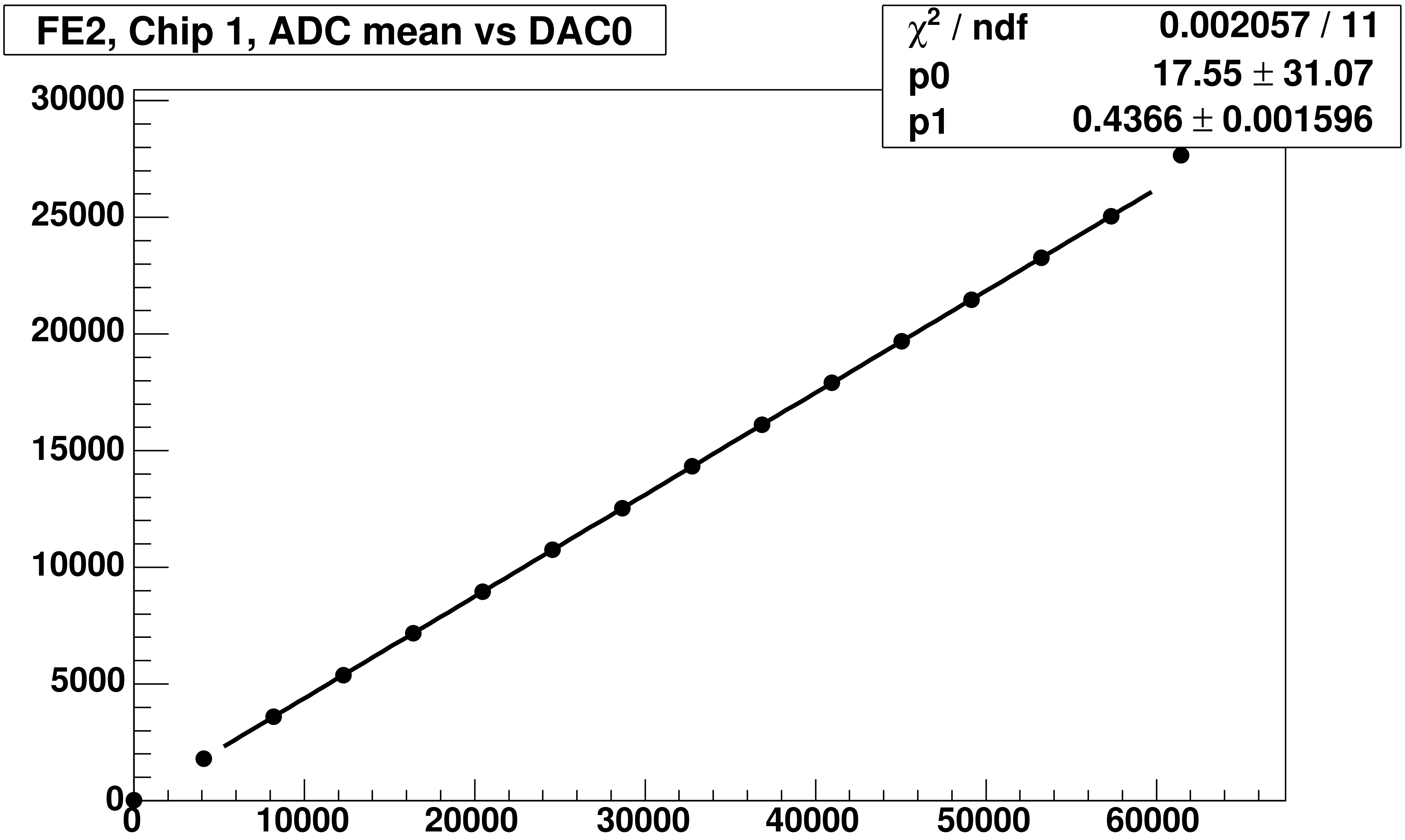

FE2, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 0, ADC mean vs DAC1
χ^2 / ndf 1.281e-05 / 11
p0 18.29 ± 31.07
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

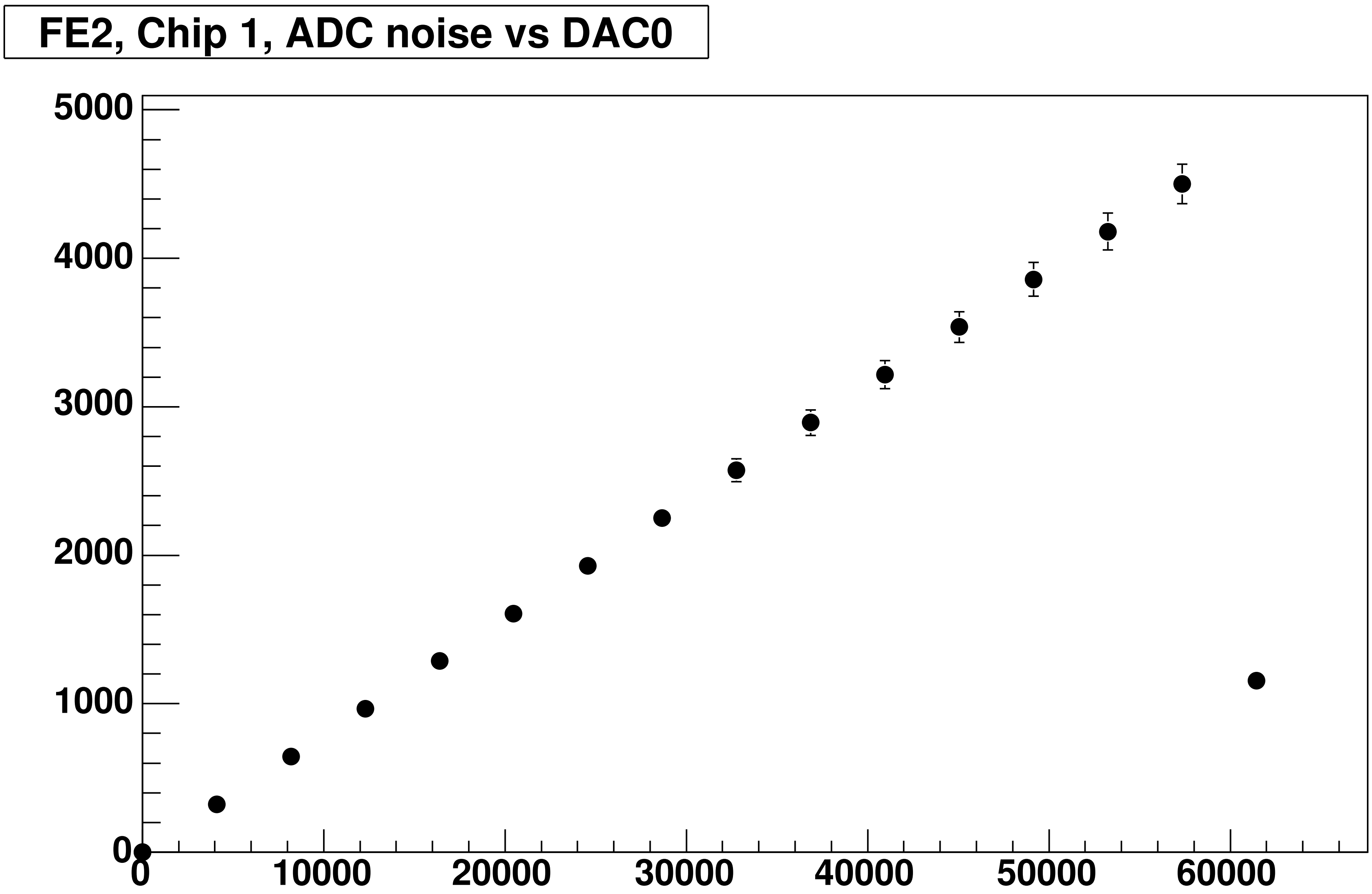

FE2, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

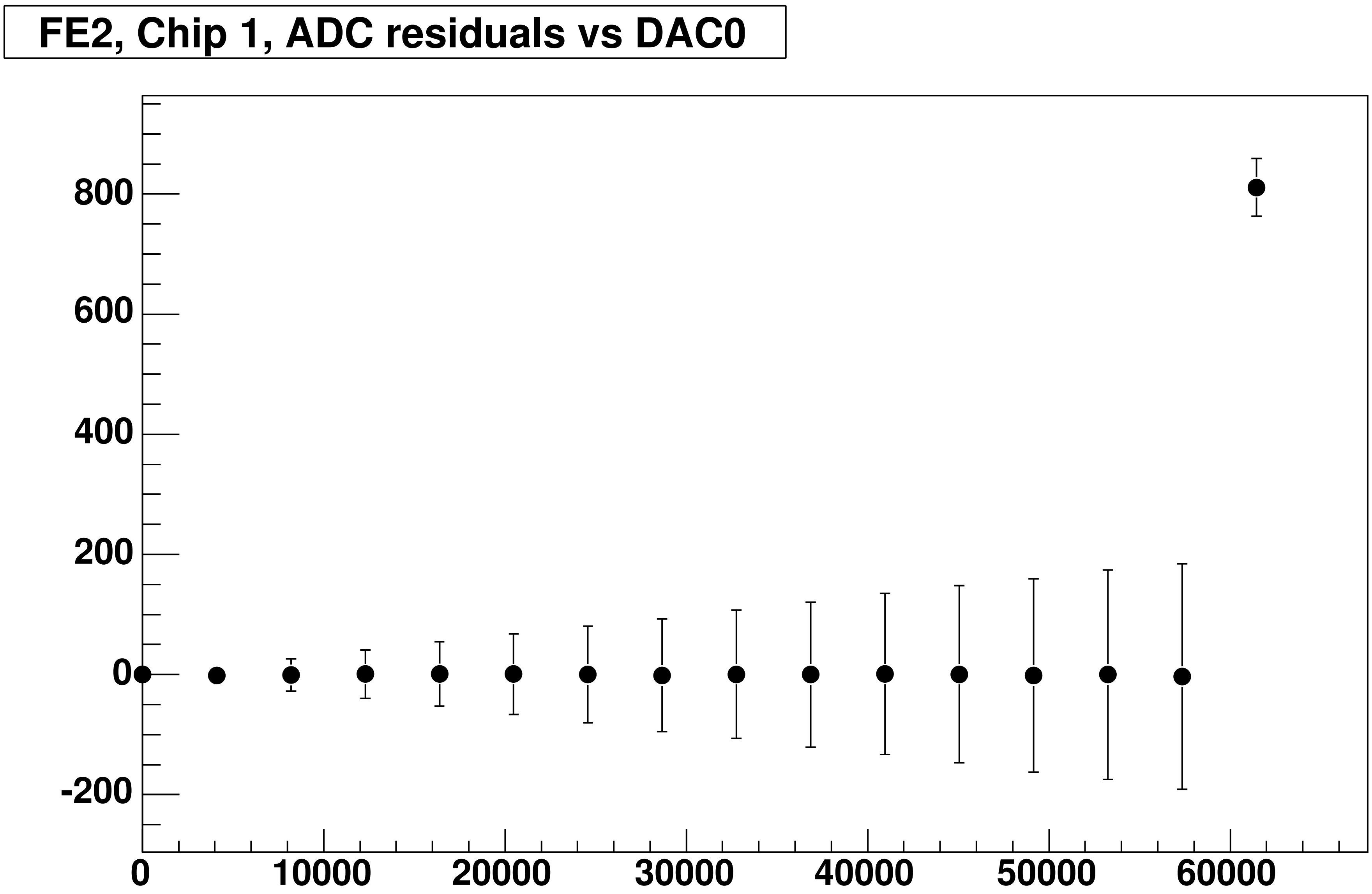


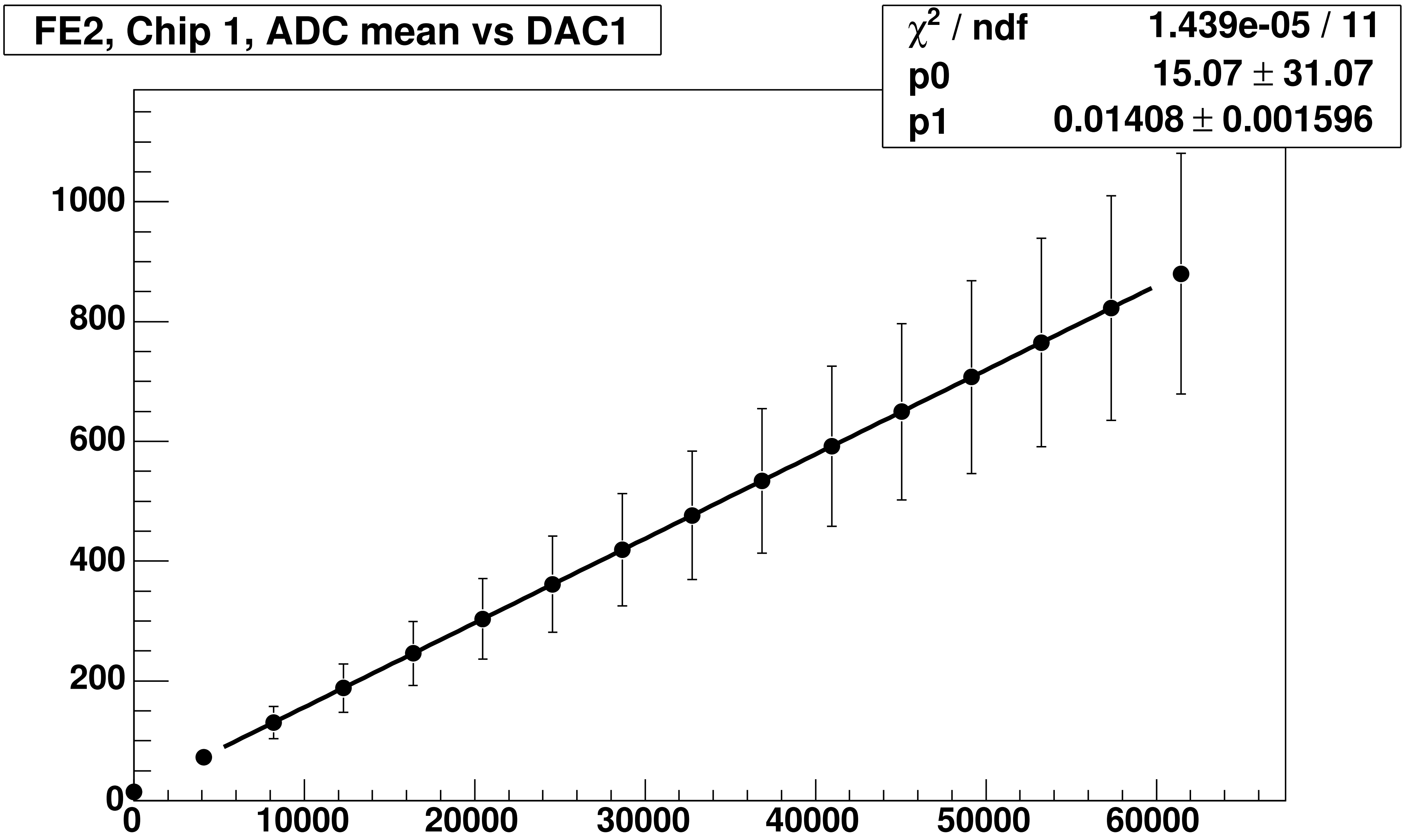
FE2, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

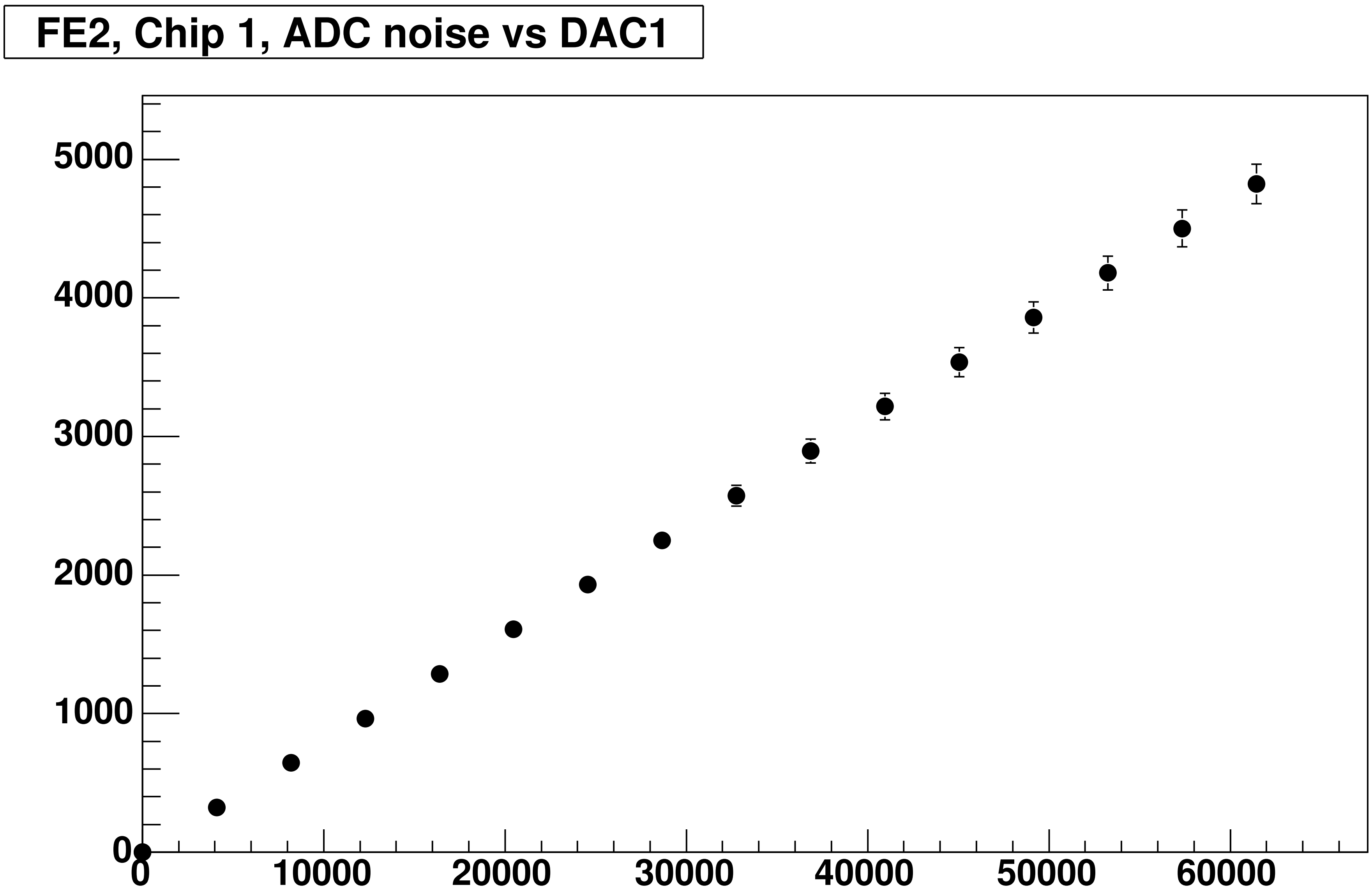


FE2, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.002057 / 11
p0 17.55 ± 31.07
p1 0.4366 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

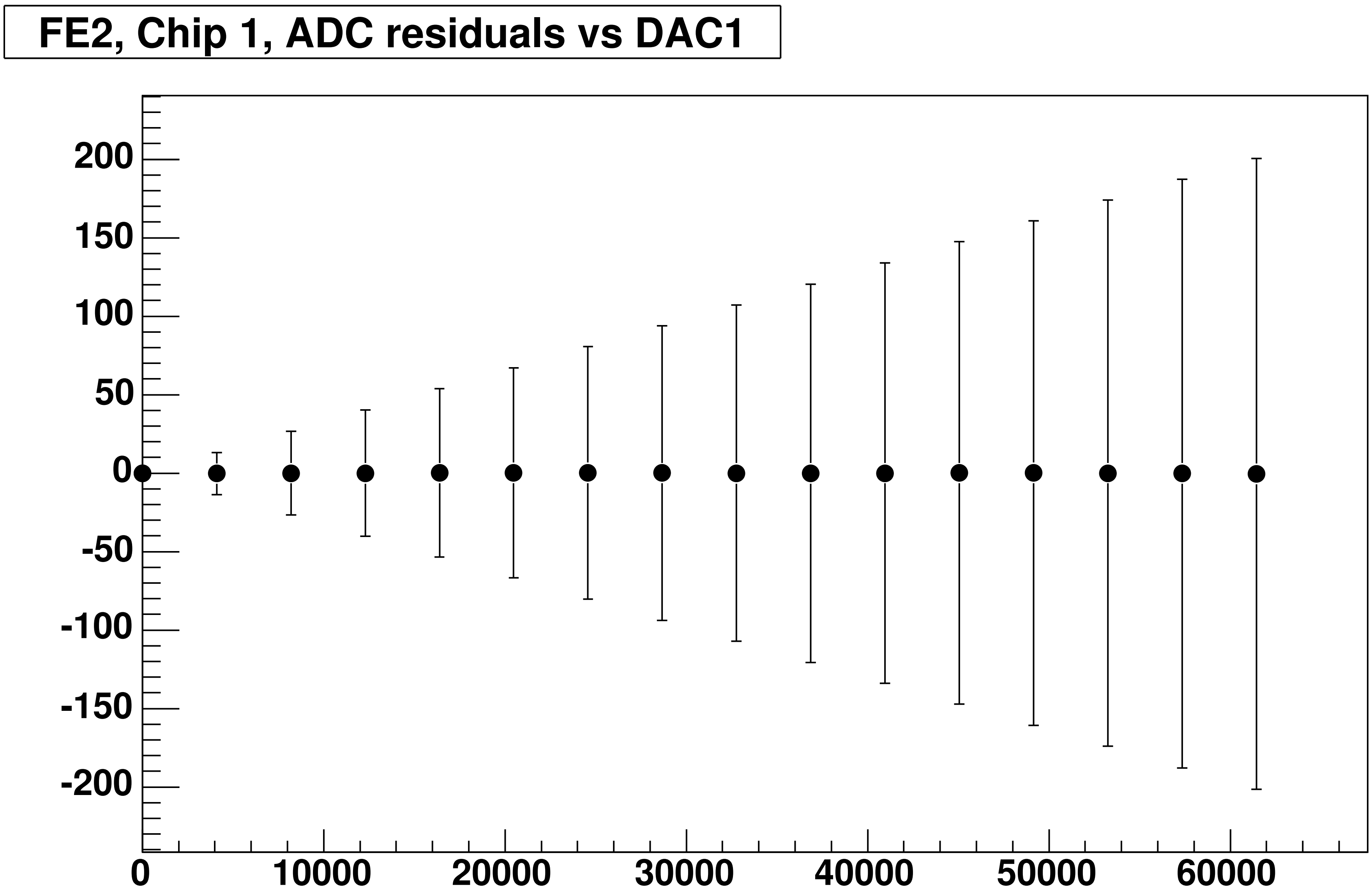

FE2, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

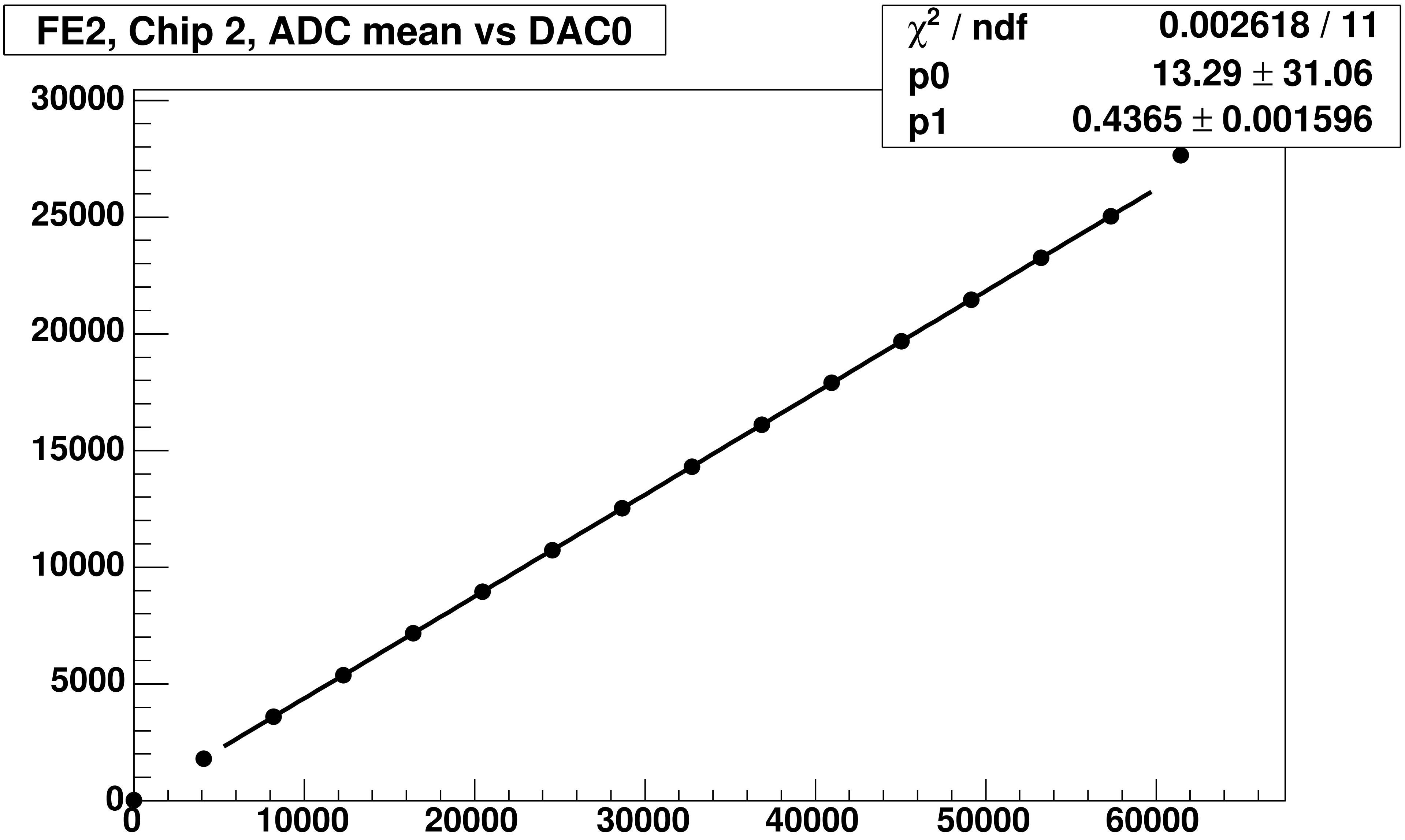

FE2, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

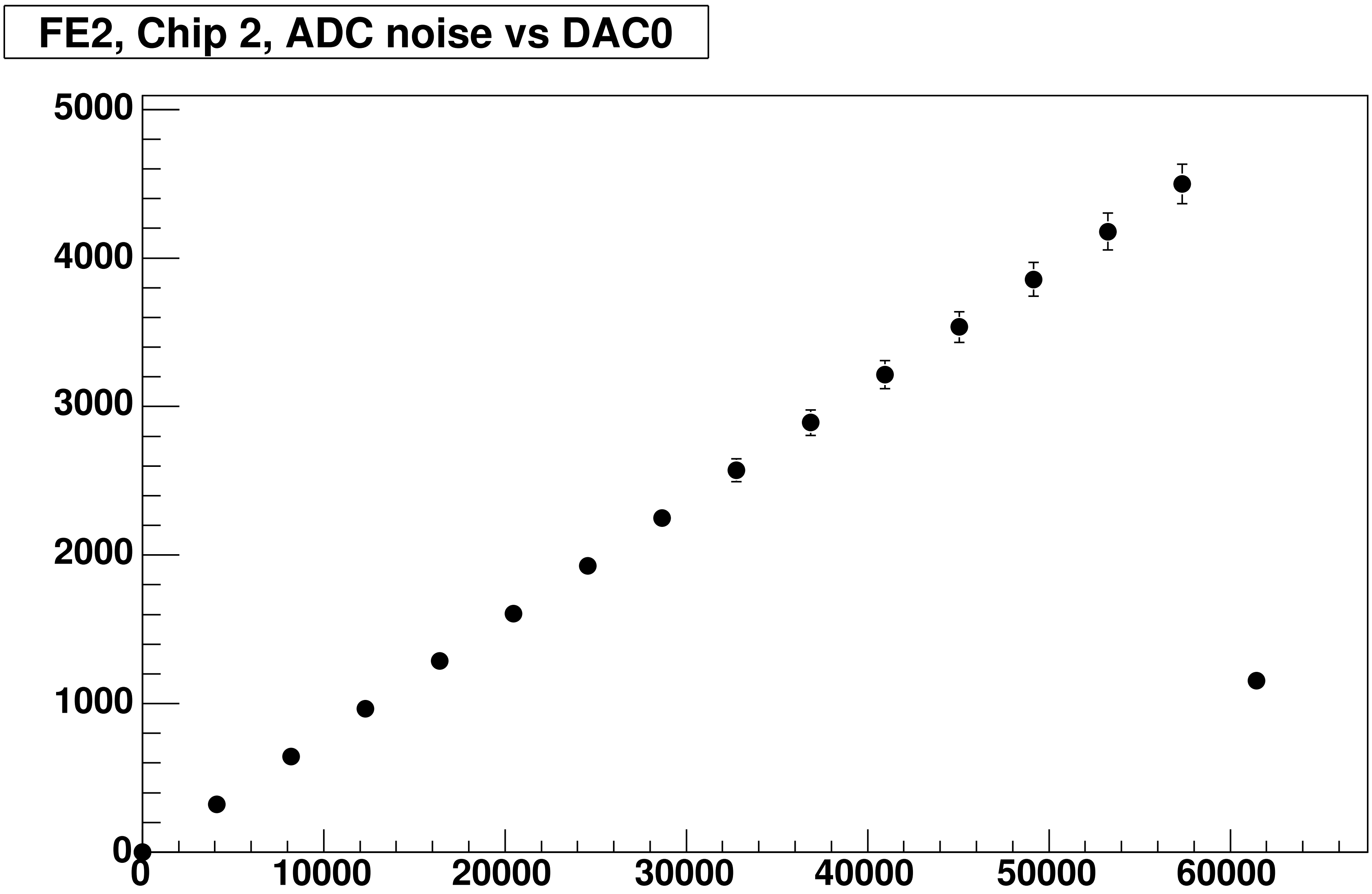

FE2, Chip 1, ADC mean vs DAC1
χ² / ndf 1.439e-05 / 11
p0 15.07 ± 31.07
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000



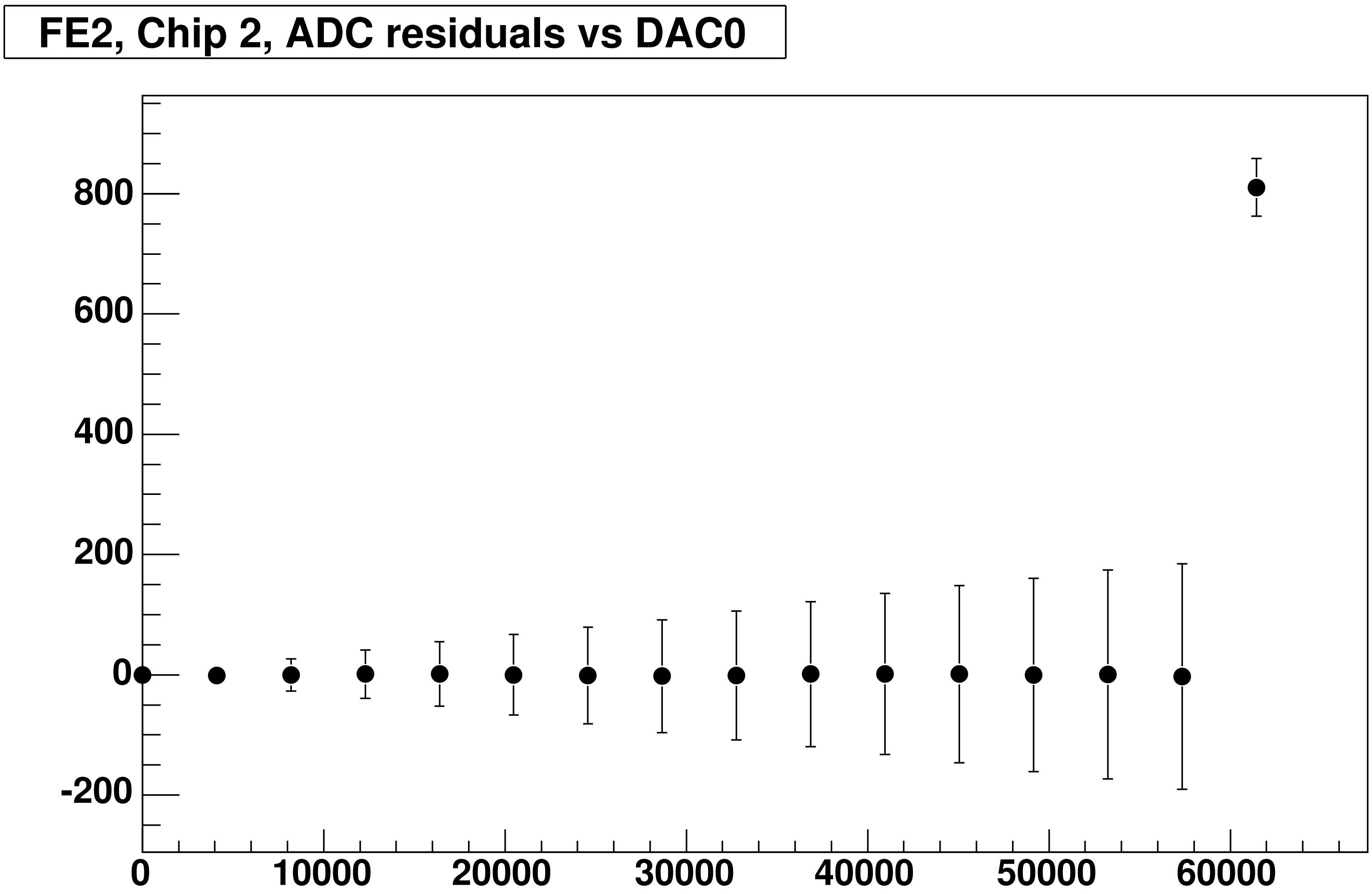
FE2, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

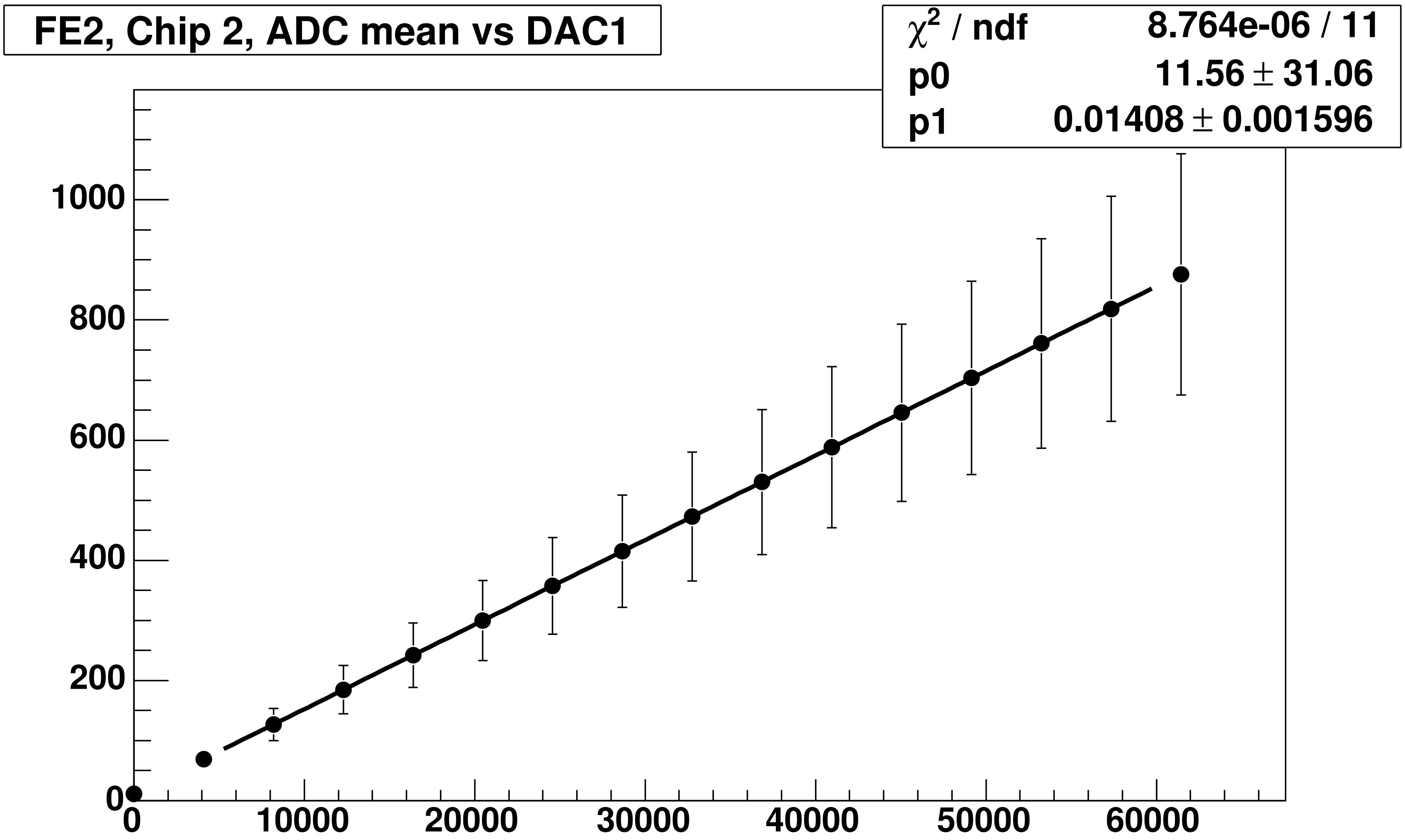

FE2, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

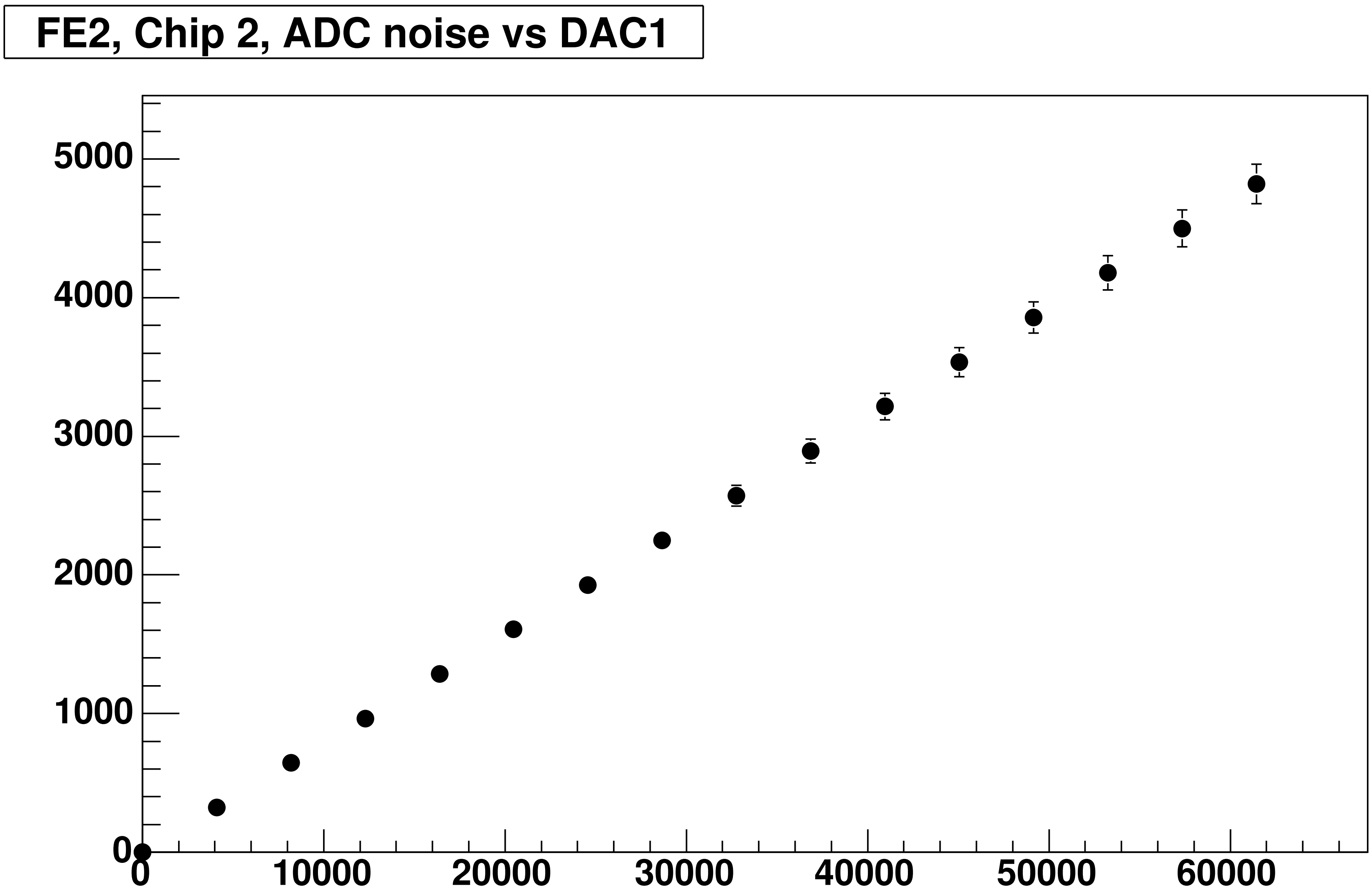

FE2, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.002618 / 11
p0 13.29 ± 31.06
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

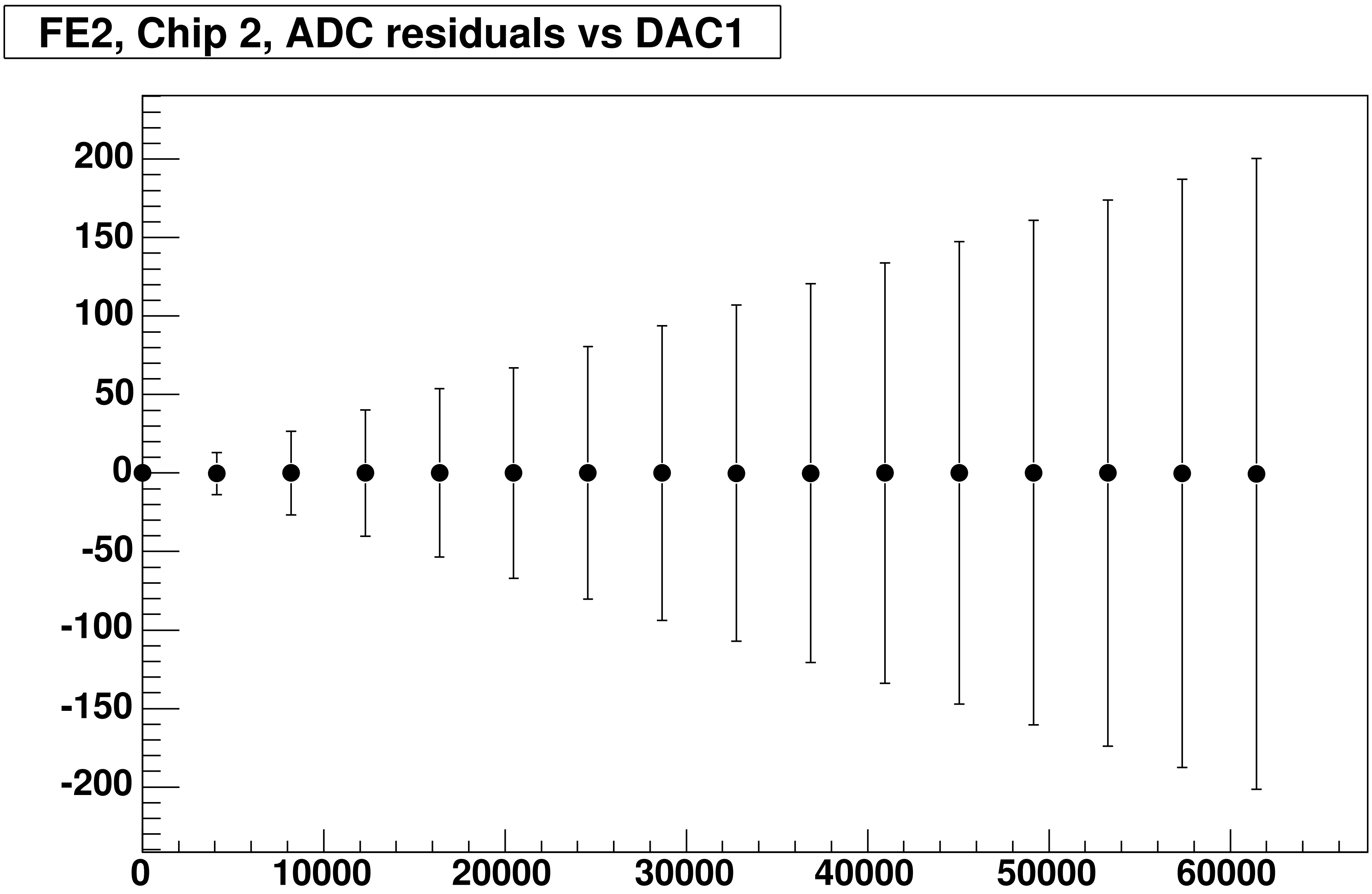


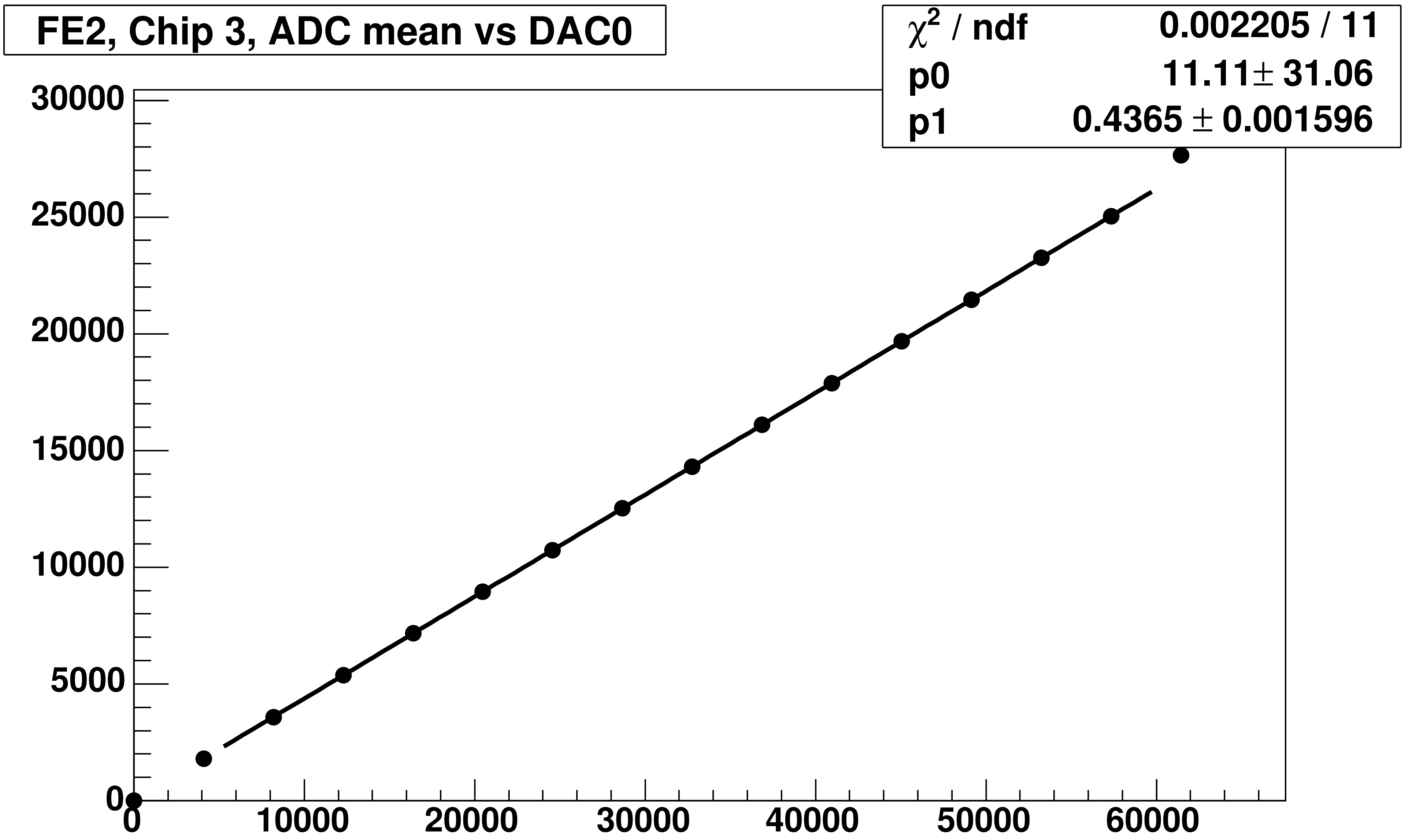
FE2, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

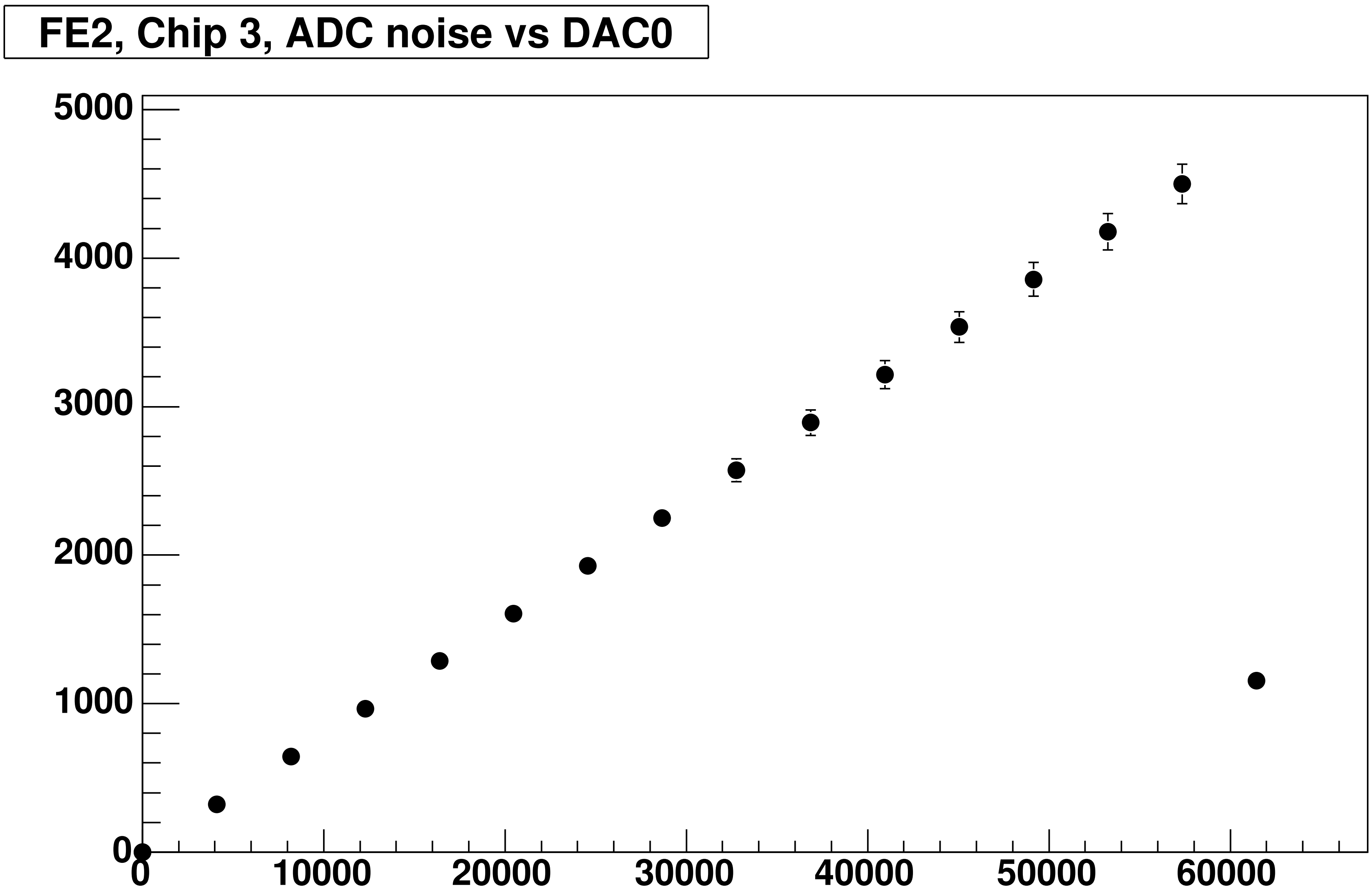

FE2, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 2, ADC mean vs DAC1
χ² / ndf 8.764e-06 / 11
p0 11.56 ± 31.06
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

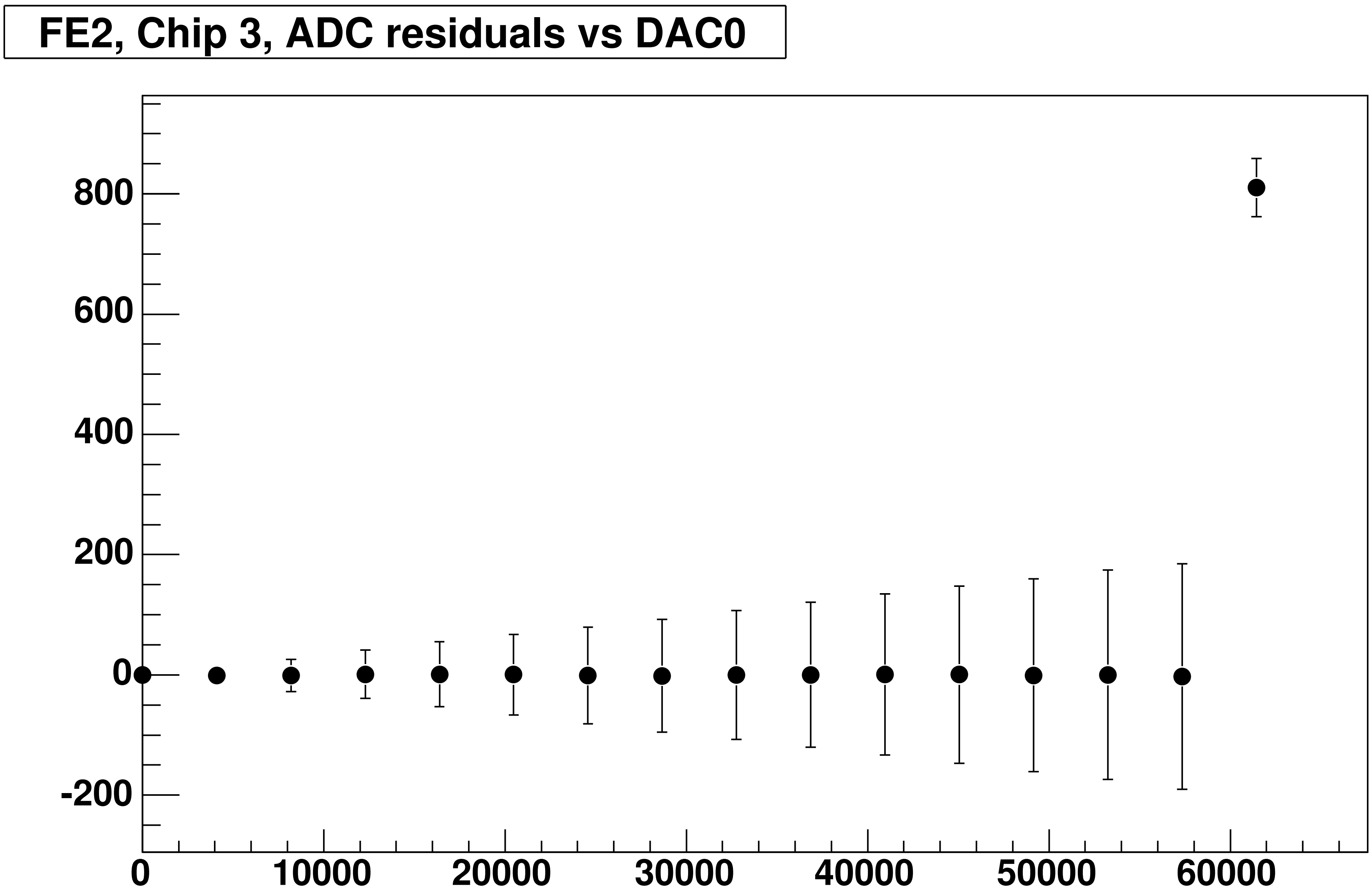

FE2, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

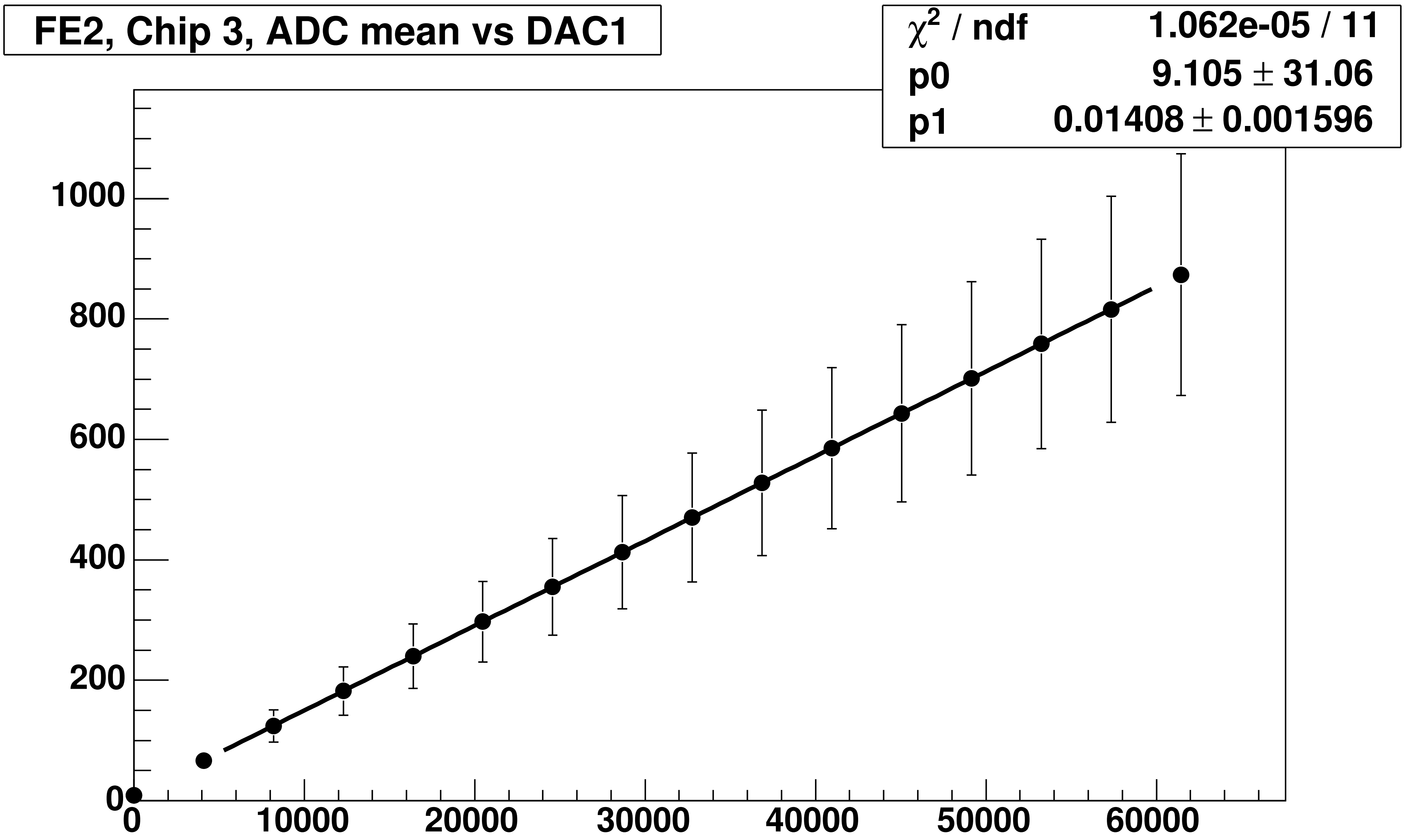

FE2, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.002205 / 11
p0 11.11± 31.06
p1 0.4365 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

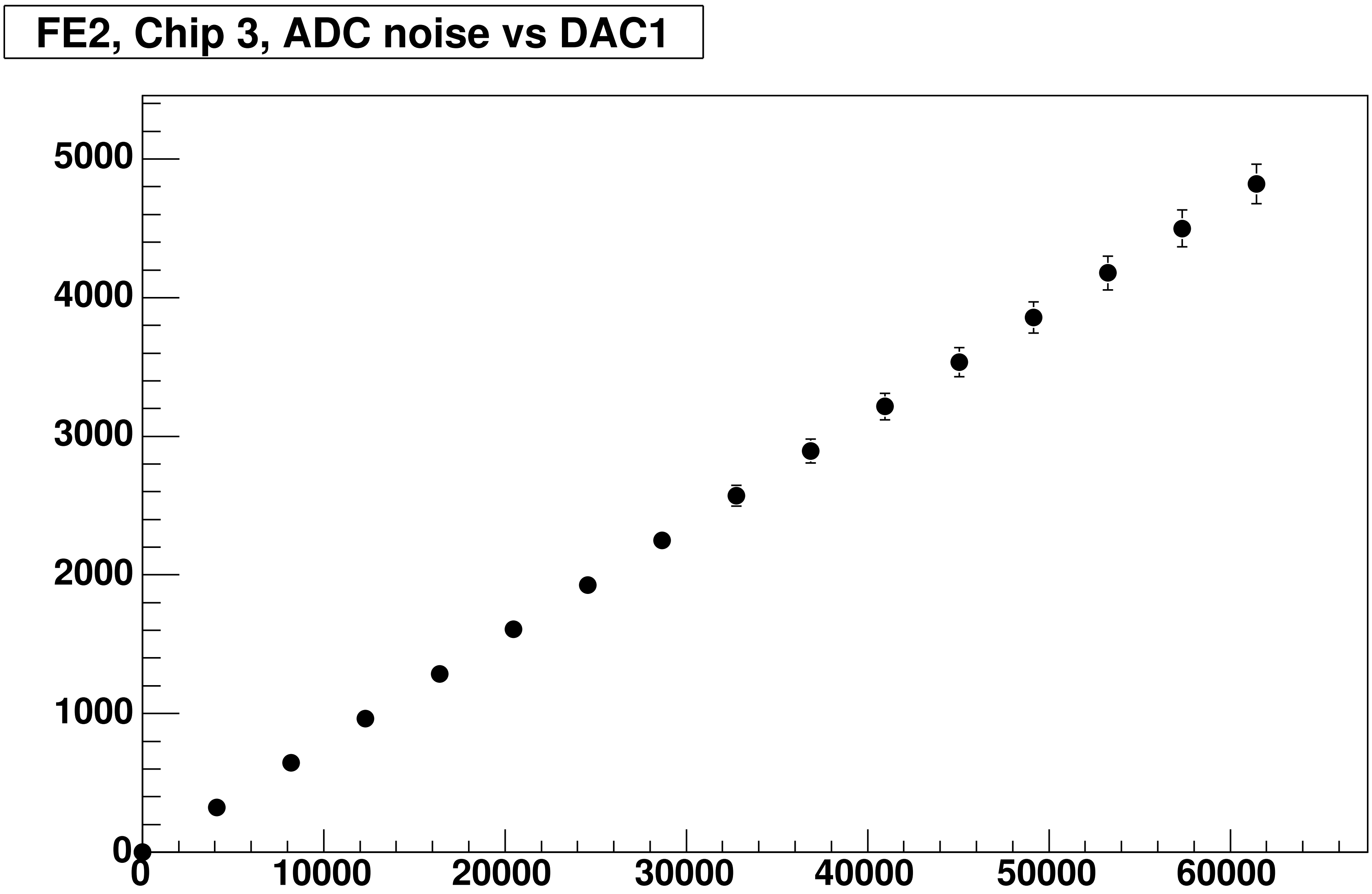


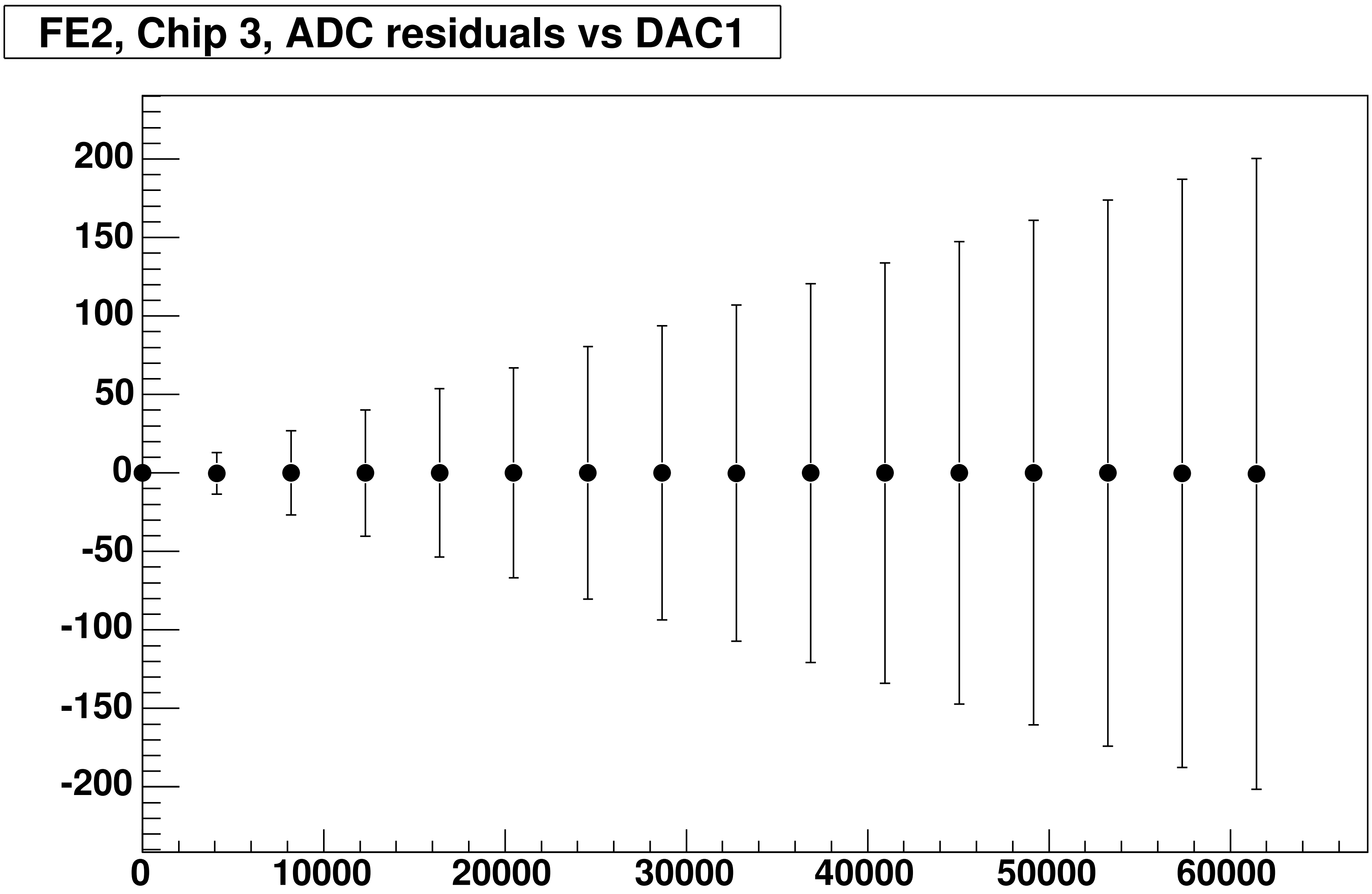
FE2, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

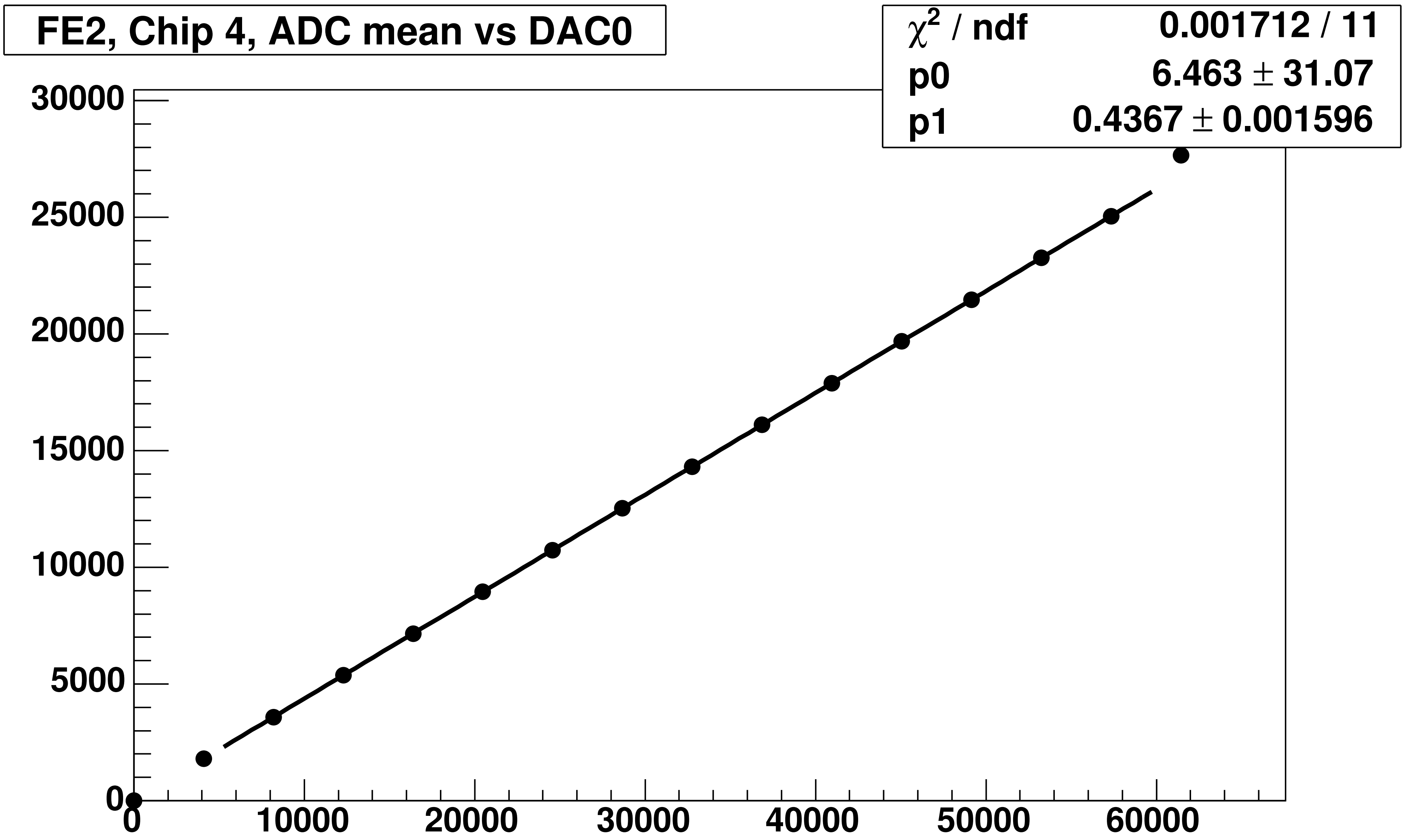

FE2, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



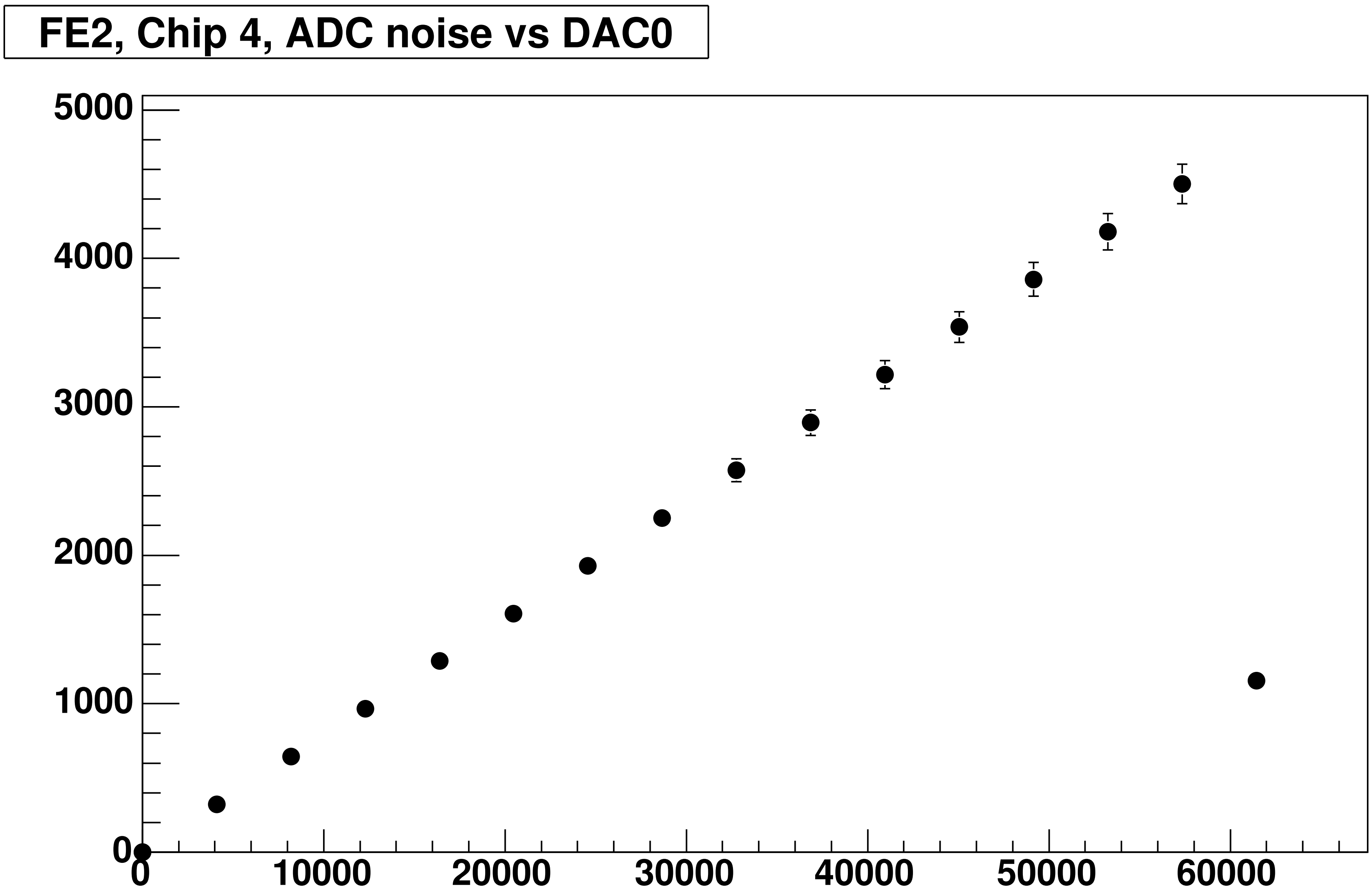
FE2, Chip 3, ADC mean vs DAC1
χ^2 / ndf 1.062e-05 / 11
p0 9.105 ± 31.06
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

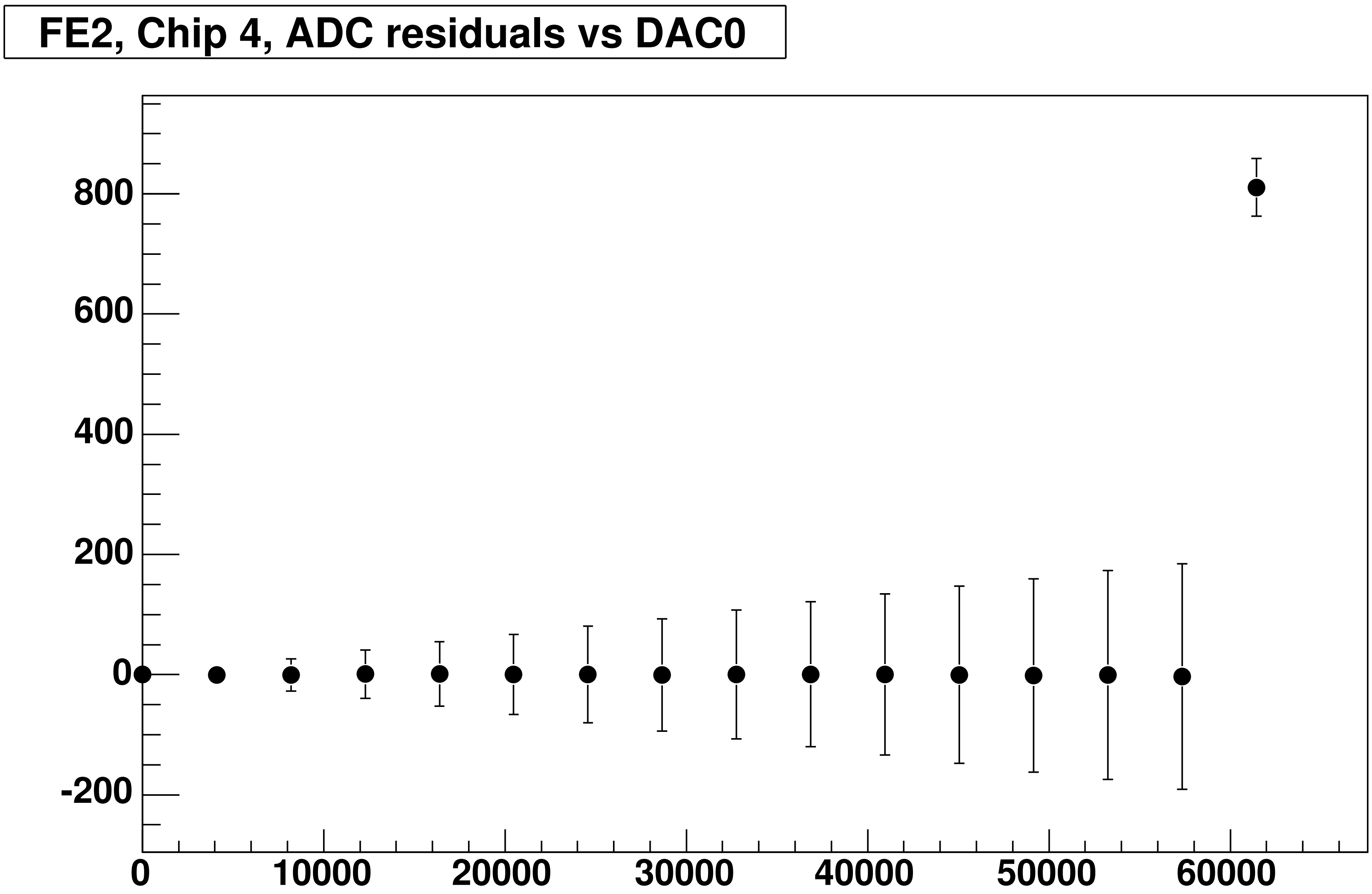

FE2, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

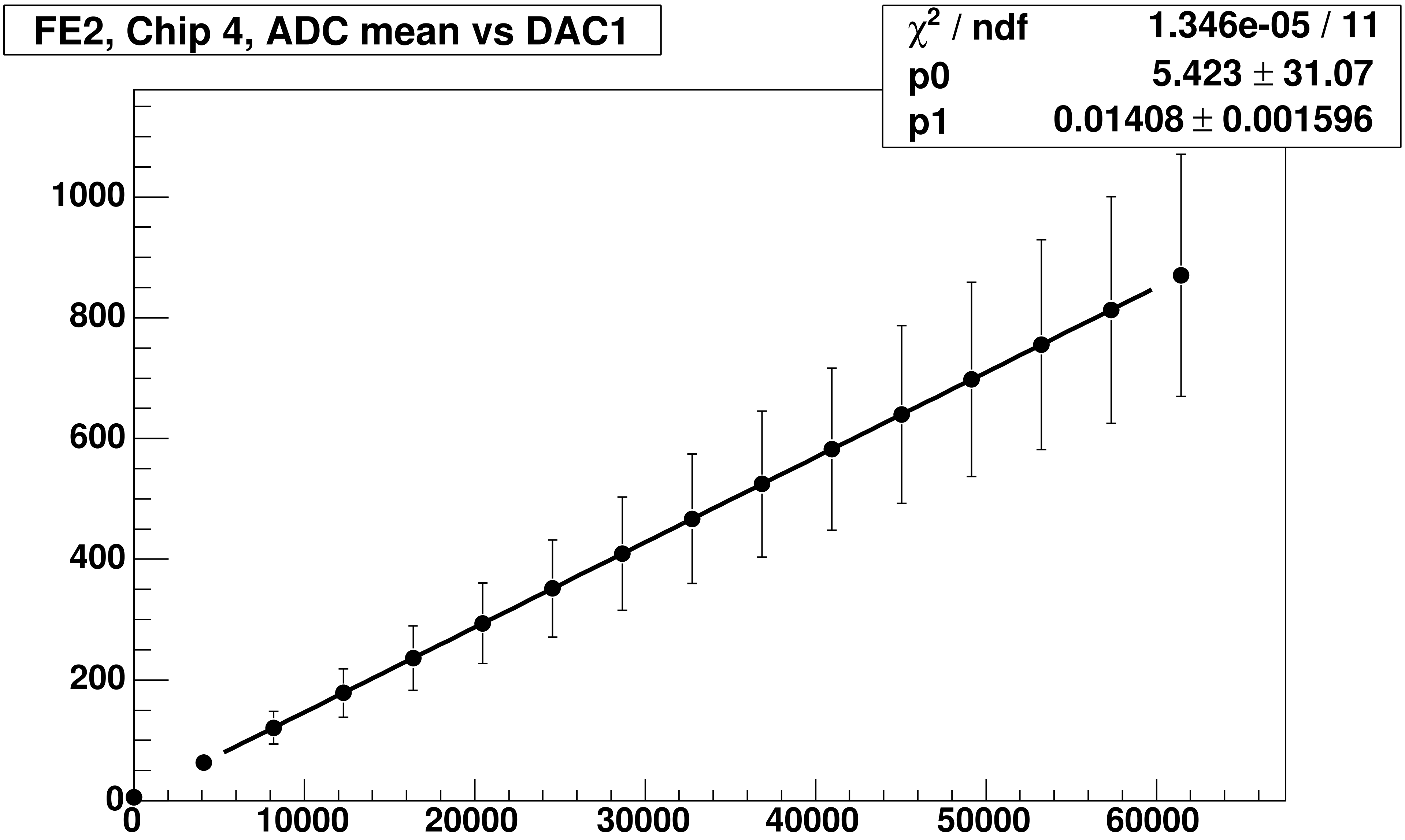

FE2, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



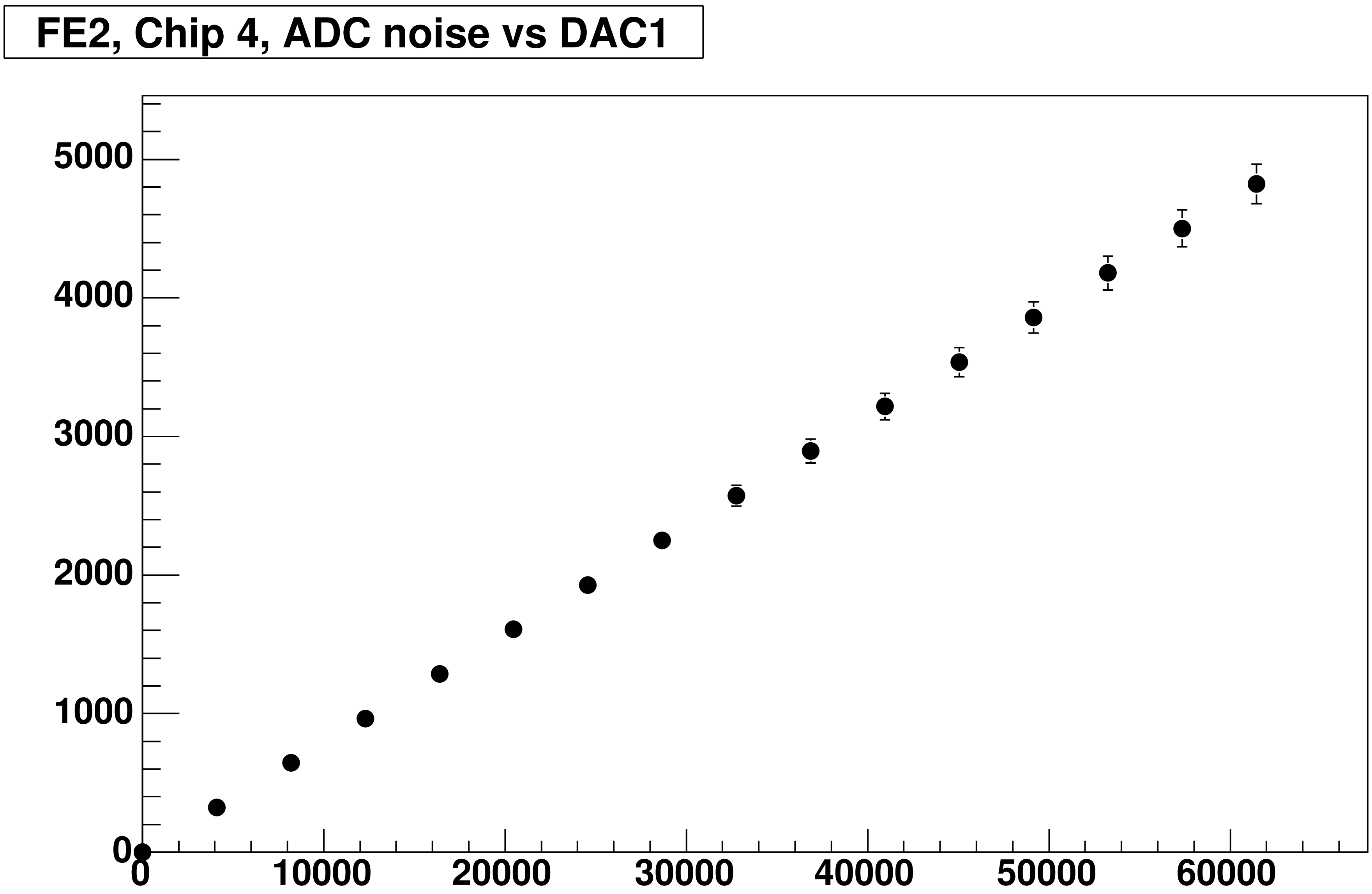
FE2, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001712 / 11
p0 6.463 ± 31.07
p1 0.4367 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

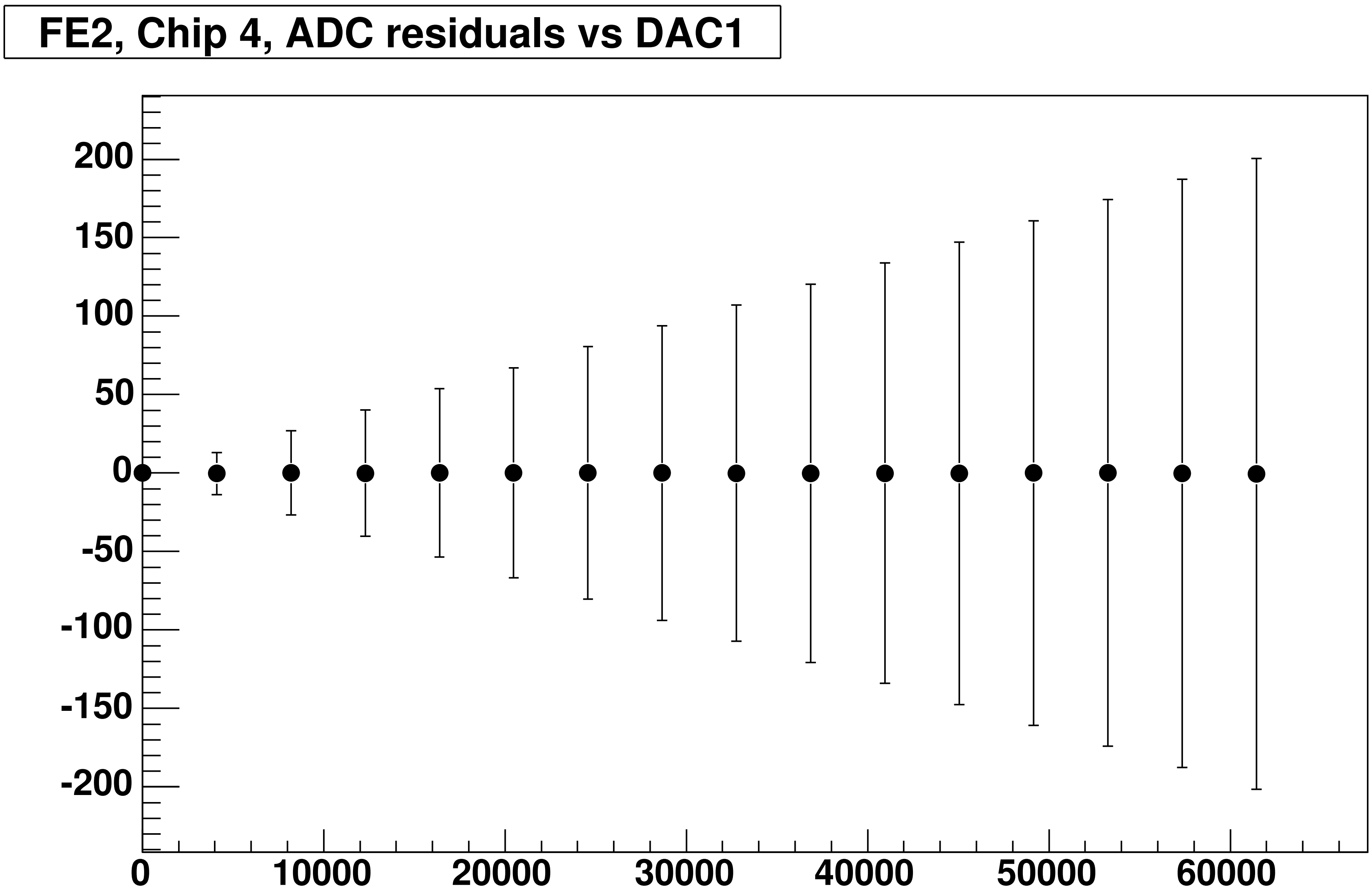

FE2, Chip 4, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

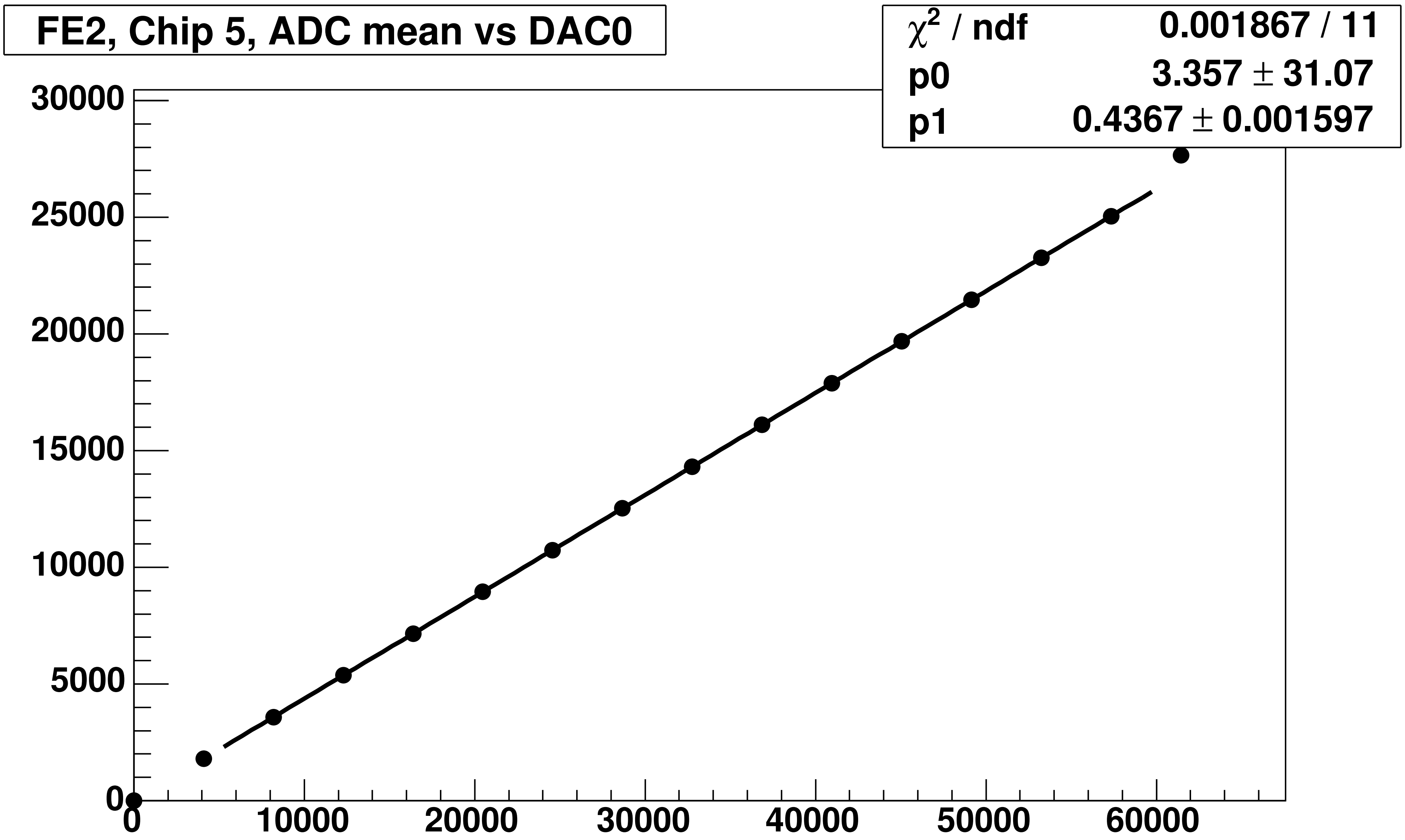

FE2, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



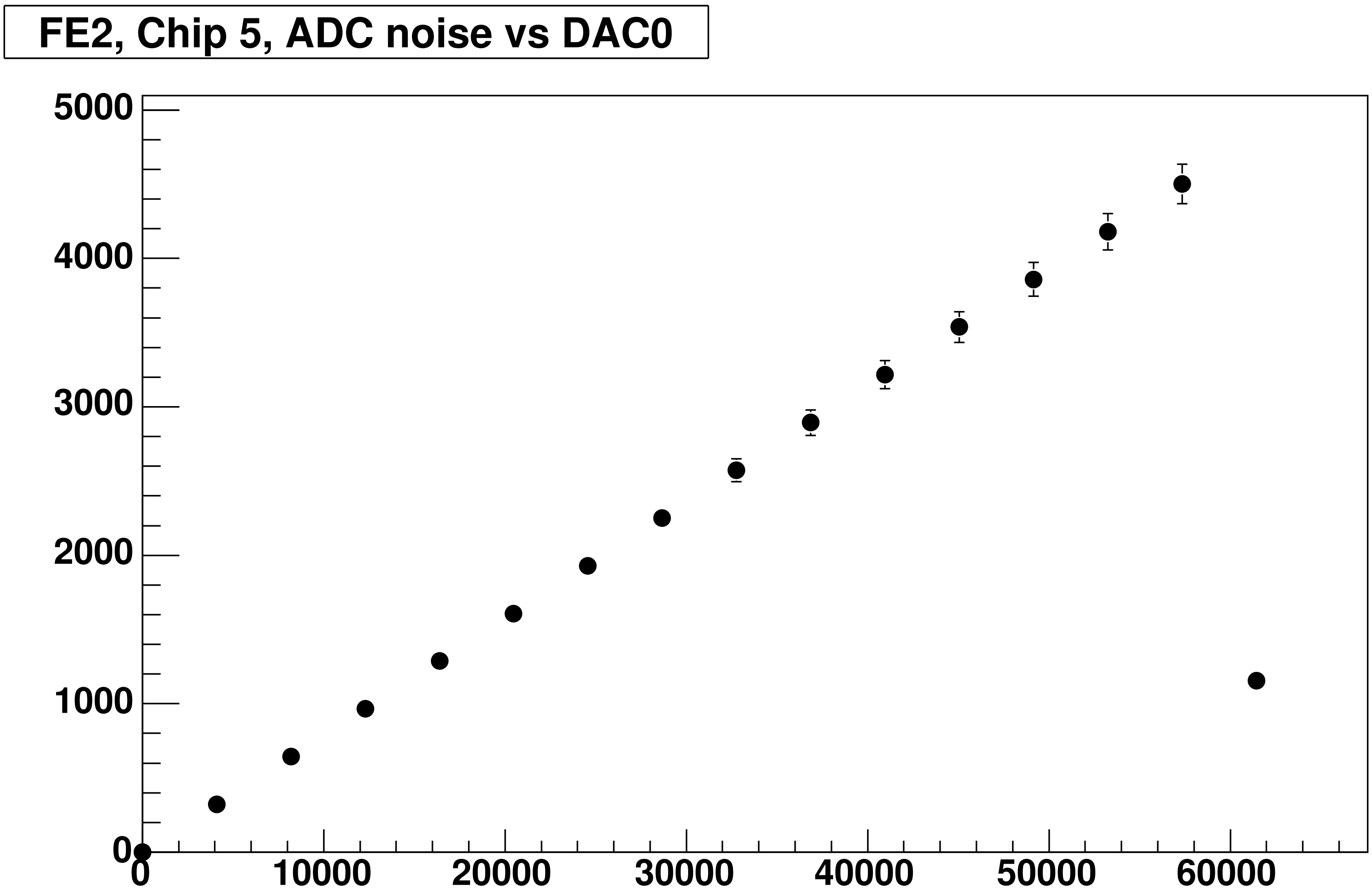
FE2, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.346e-05 / 11
p0 5.423 ± 31.07
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 4, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

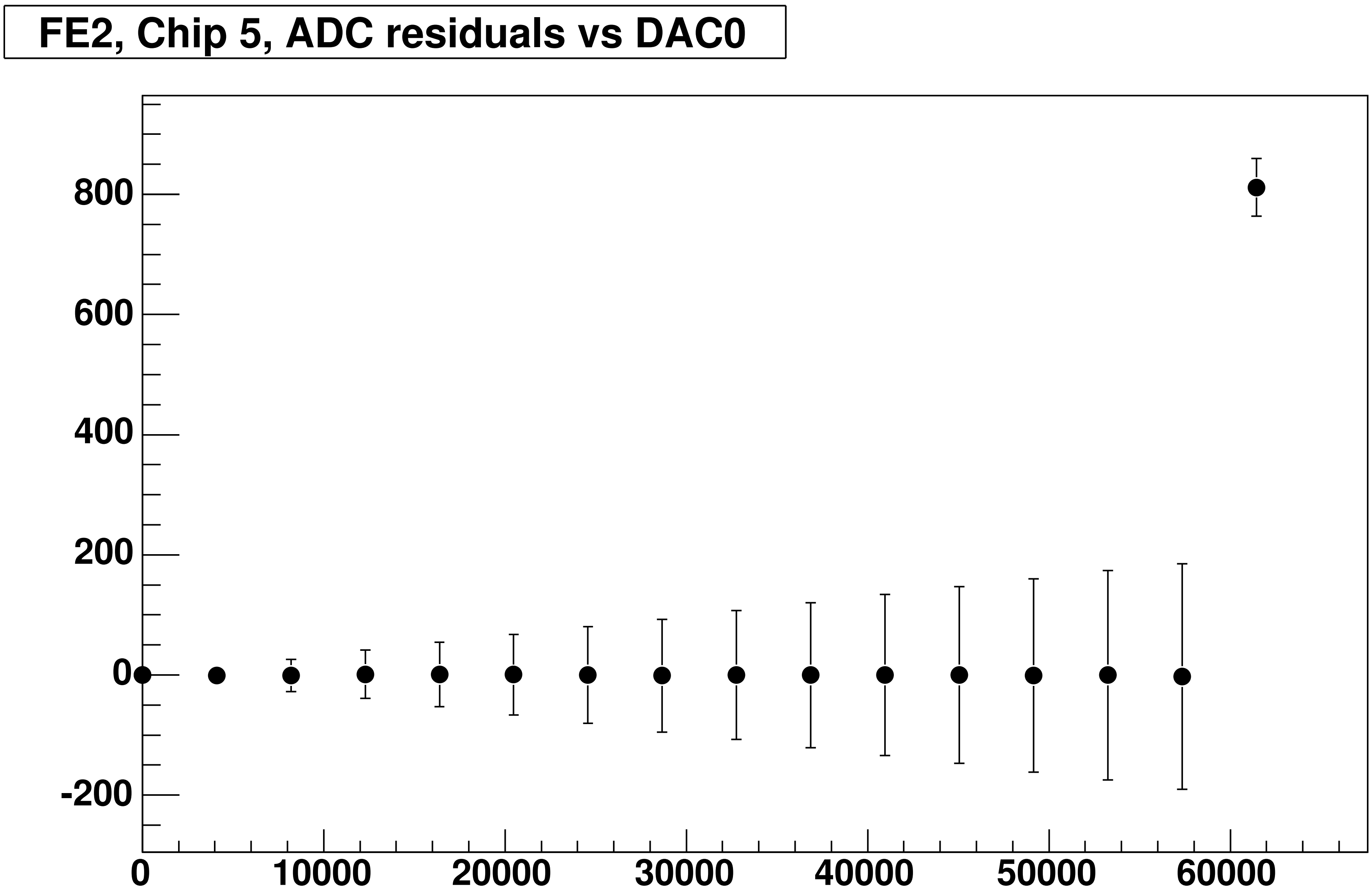

FE2, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

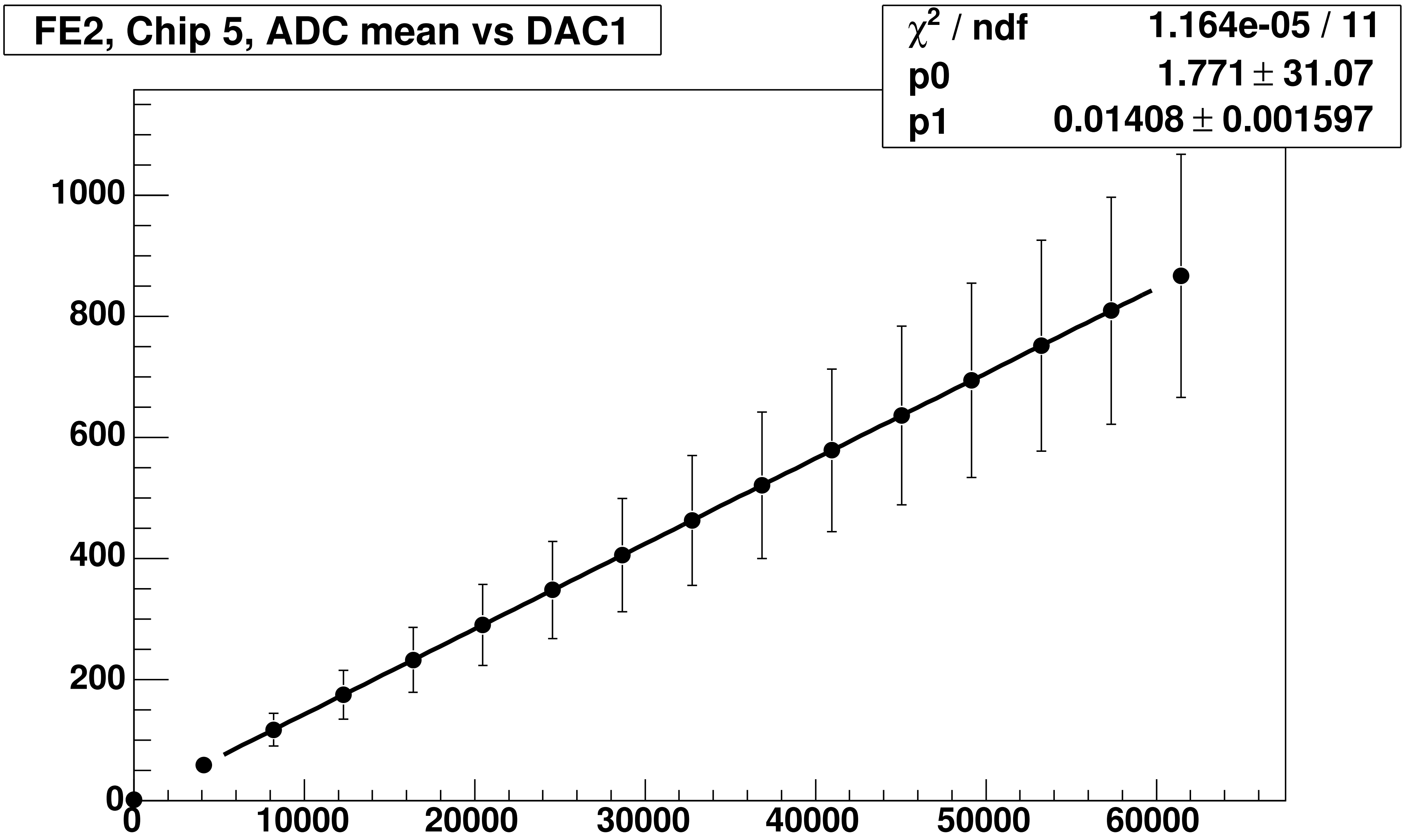


FE2, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.001867 / 11
p0 3.357 ± 31.07
p1 0.4367 ± 0.001597
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

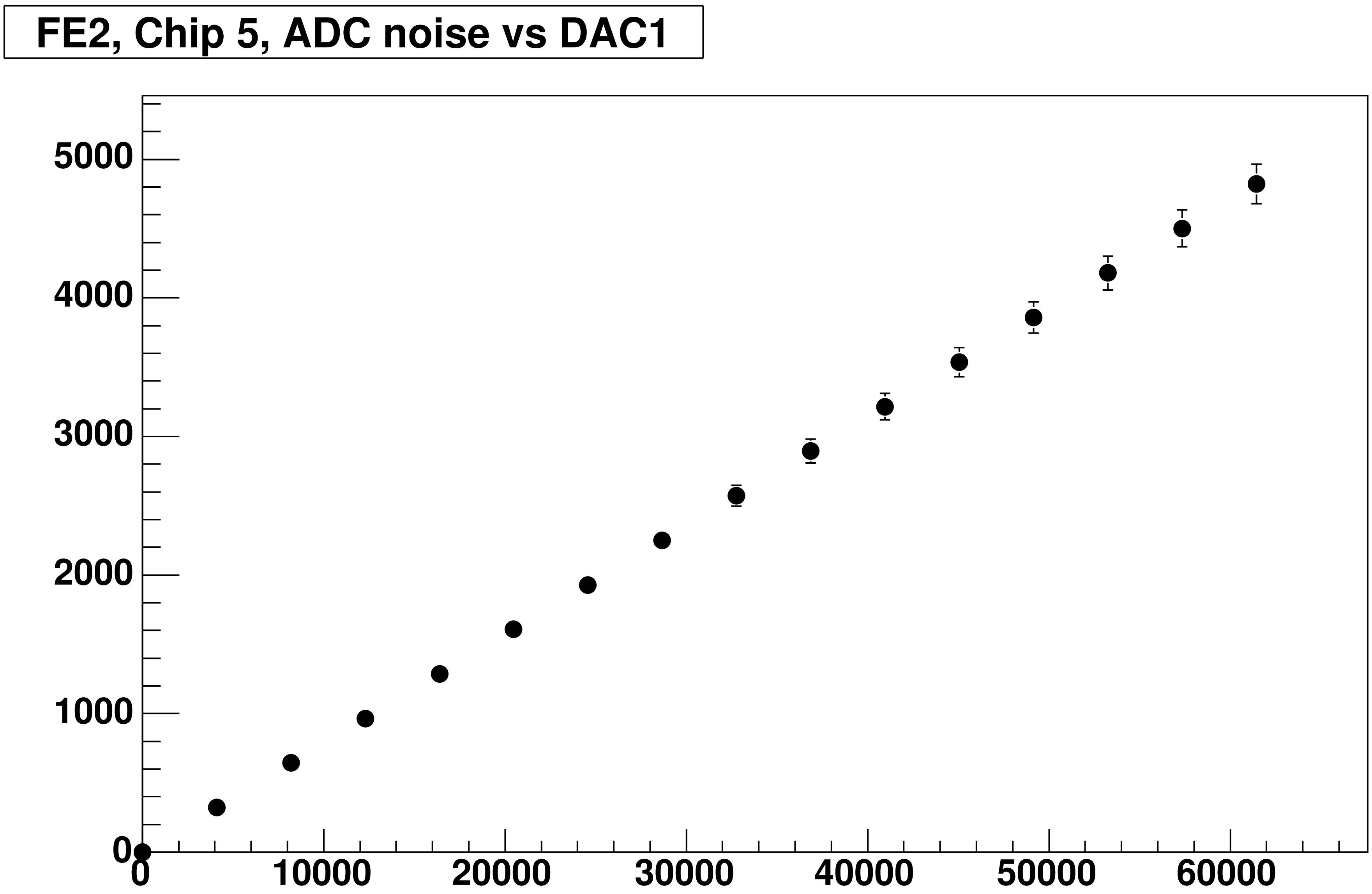


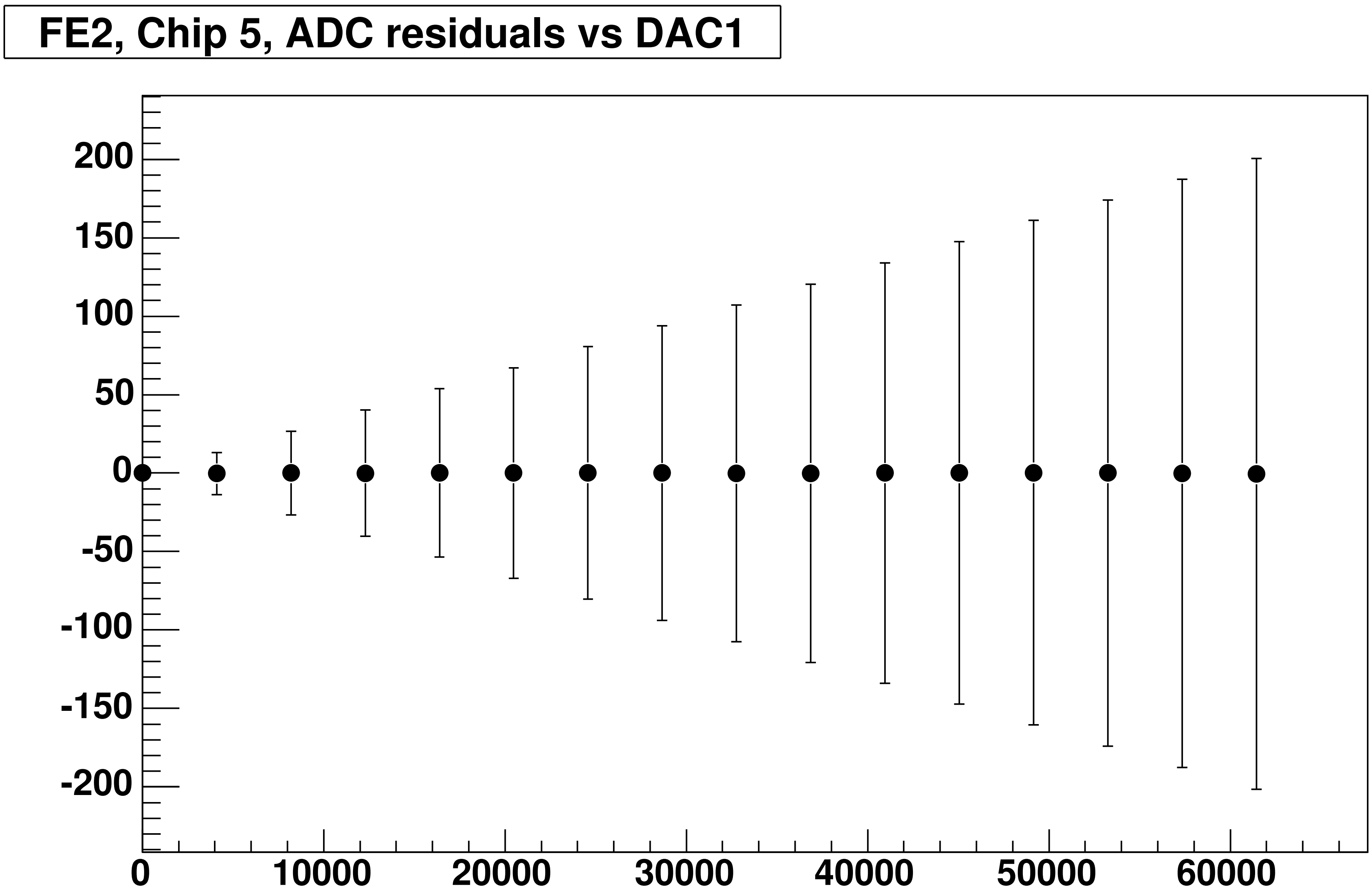
FE2, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

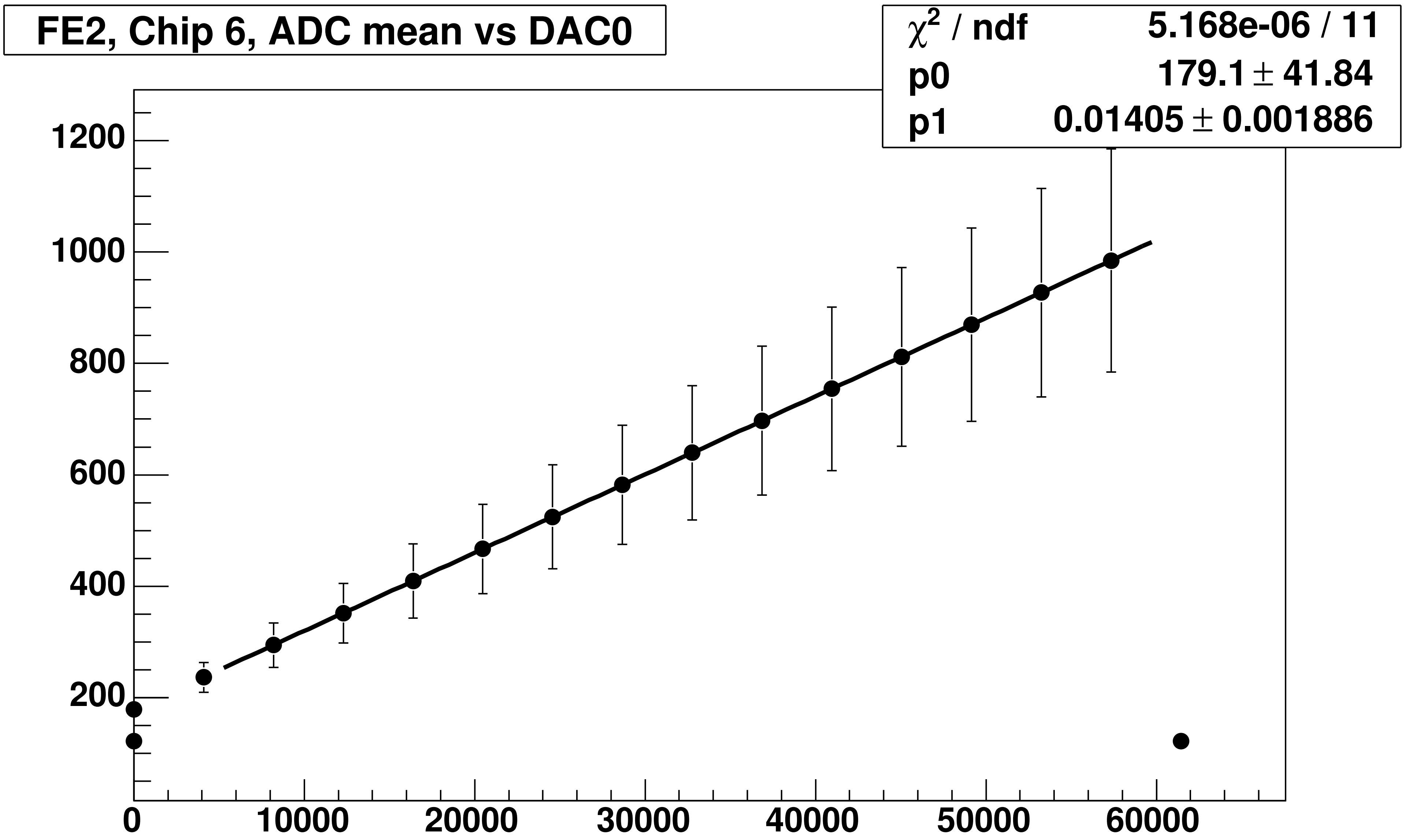

FE2, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



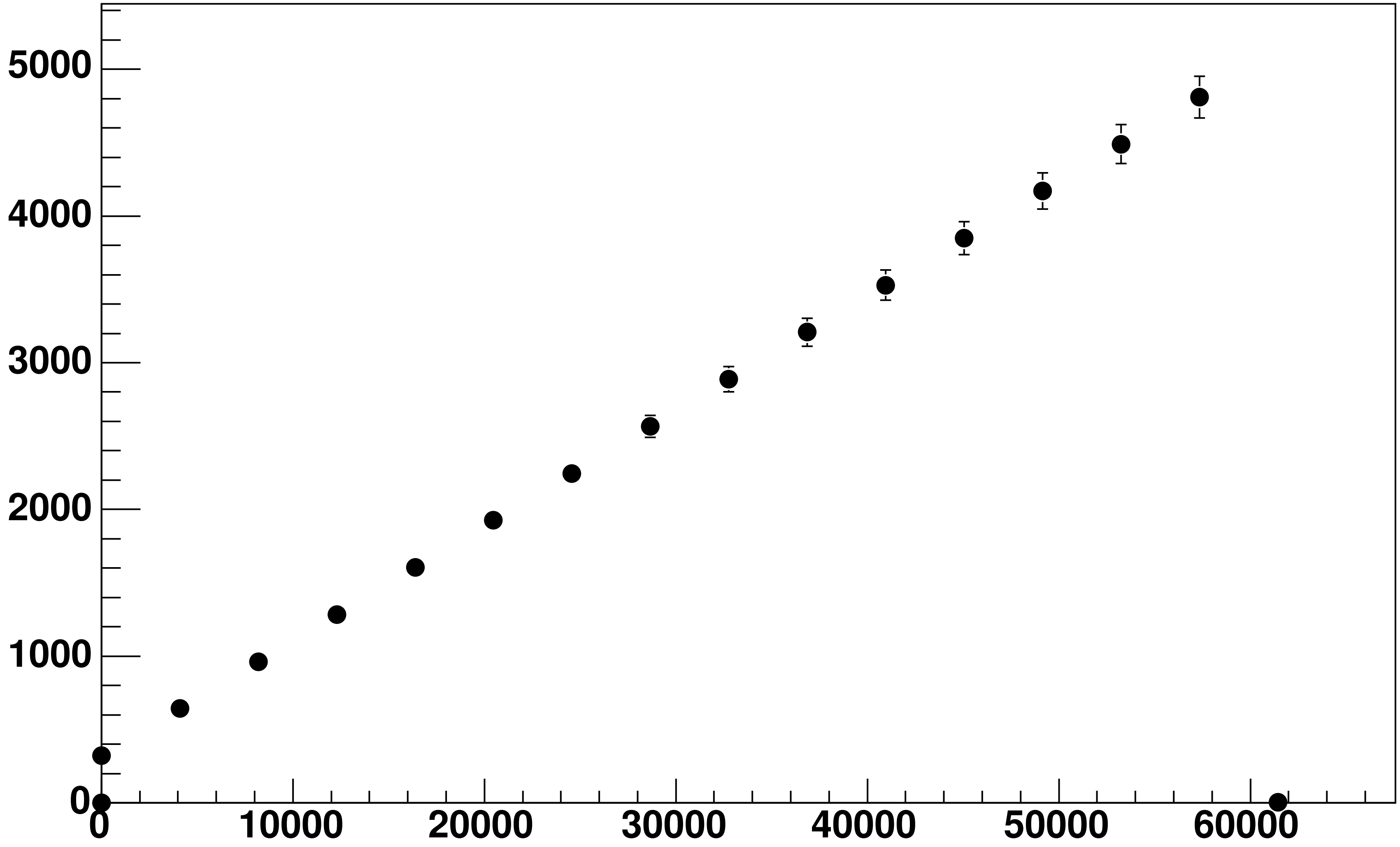
FE2, Chip 5, ADC mean vs DAC1
χ^2 / ndf 1.164e-05 / 11
p0 1.771 ± 31.07
p1 0.01408 ± 0.001597
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

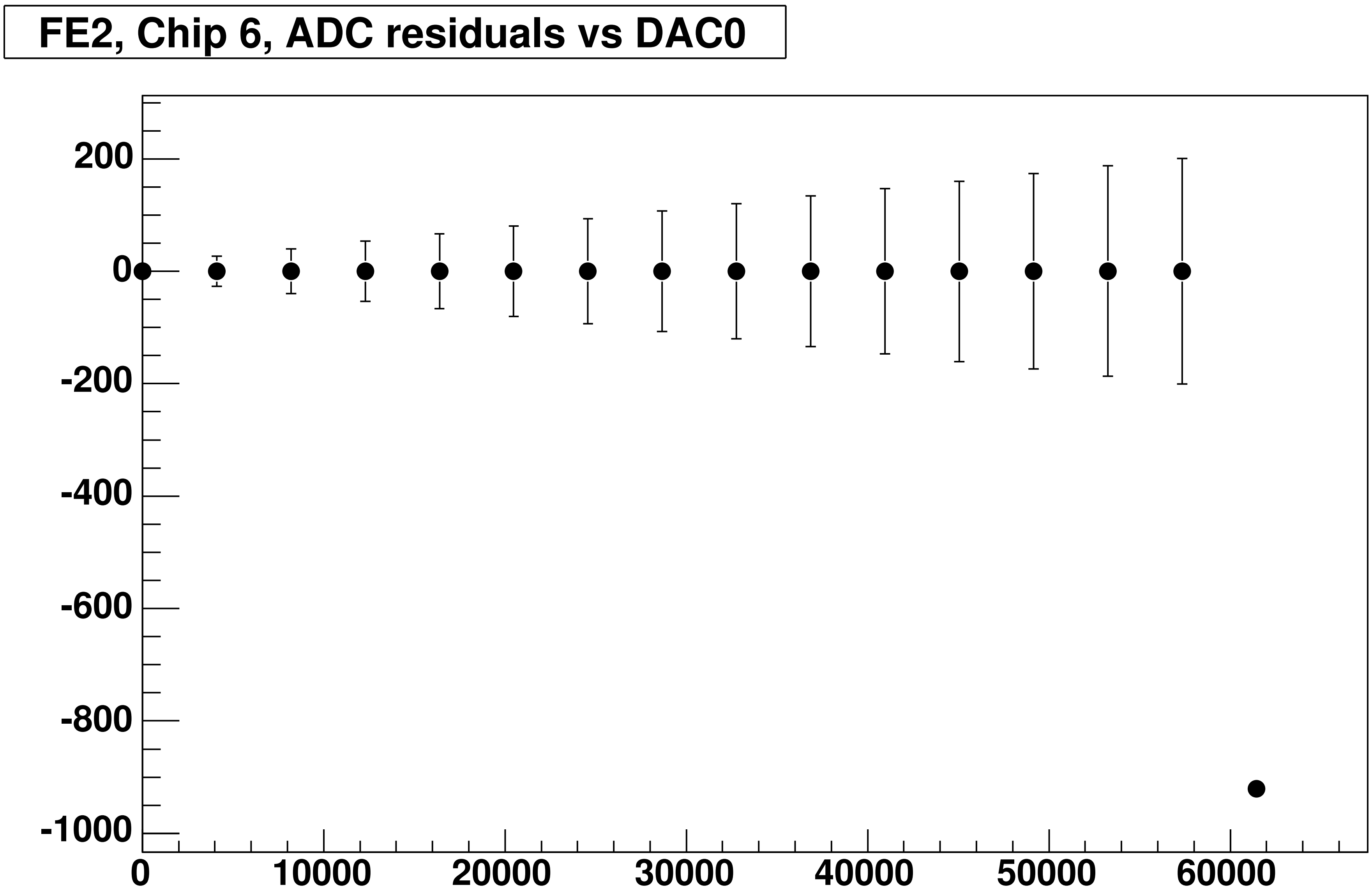

FE2, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE2, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

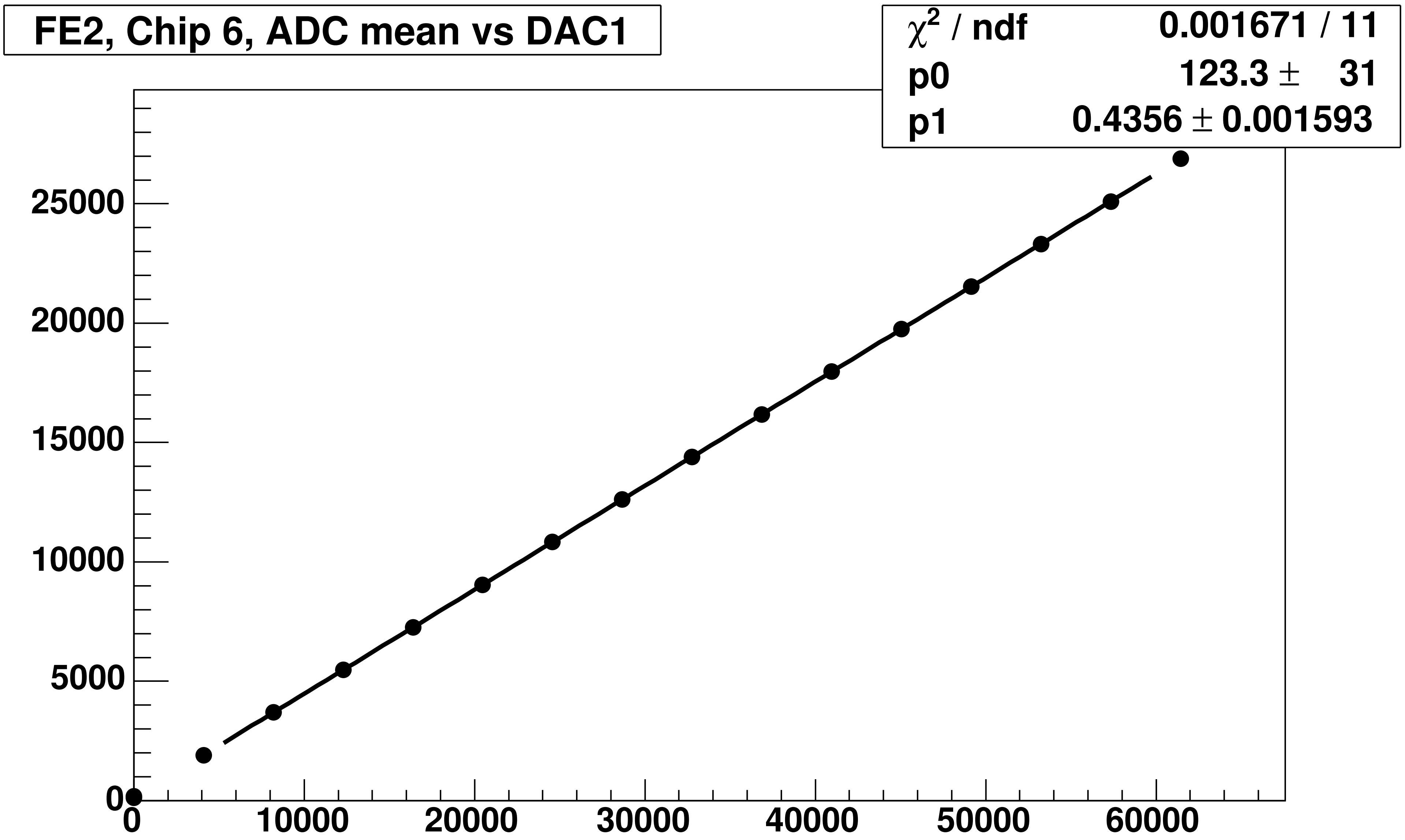

FE2, Chip 6, ADC mean vs DAC0
χ2 / ndf 5.168e-06 / 11
p0 179.1 ± 41.84
p1 0.01405 ± 0.001886
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

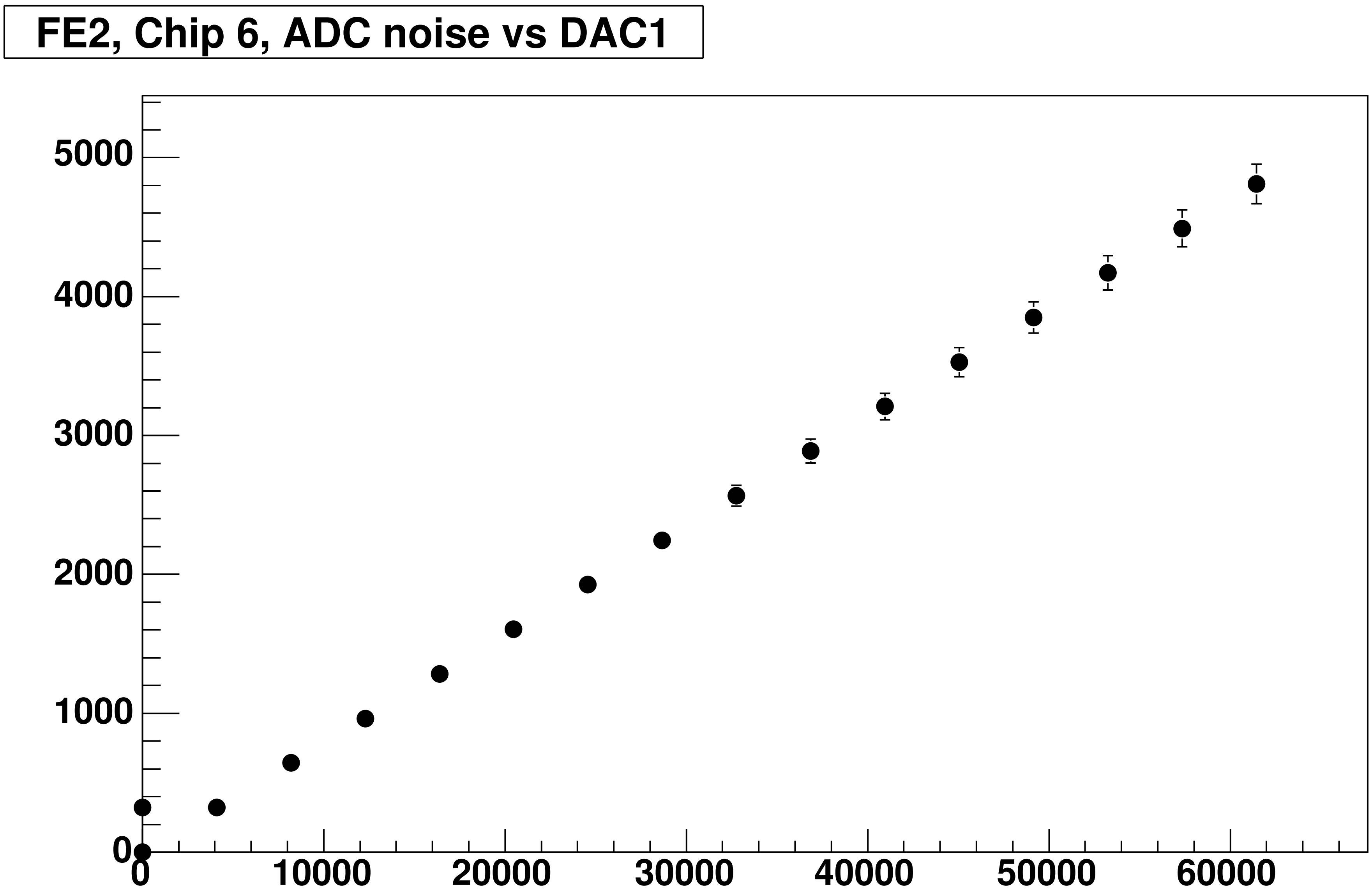
FE2, Chip 6, ADC noise vs DAC0



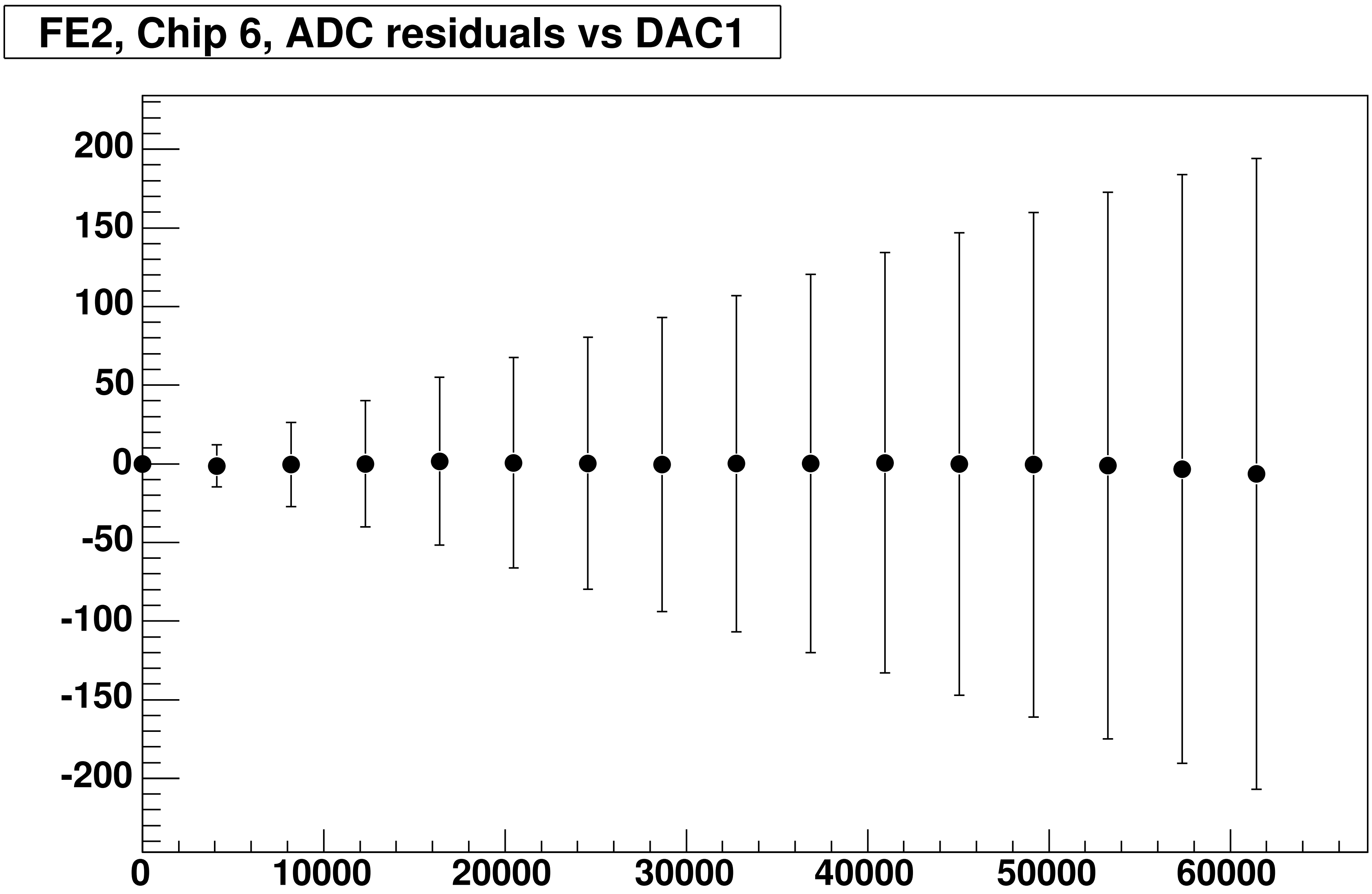


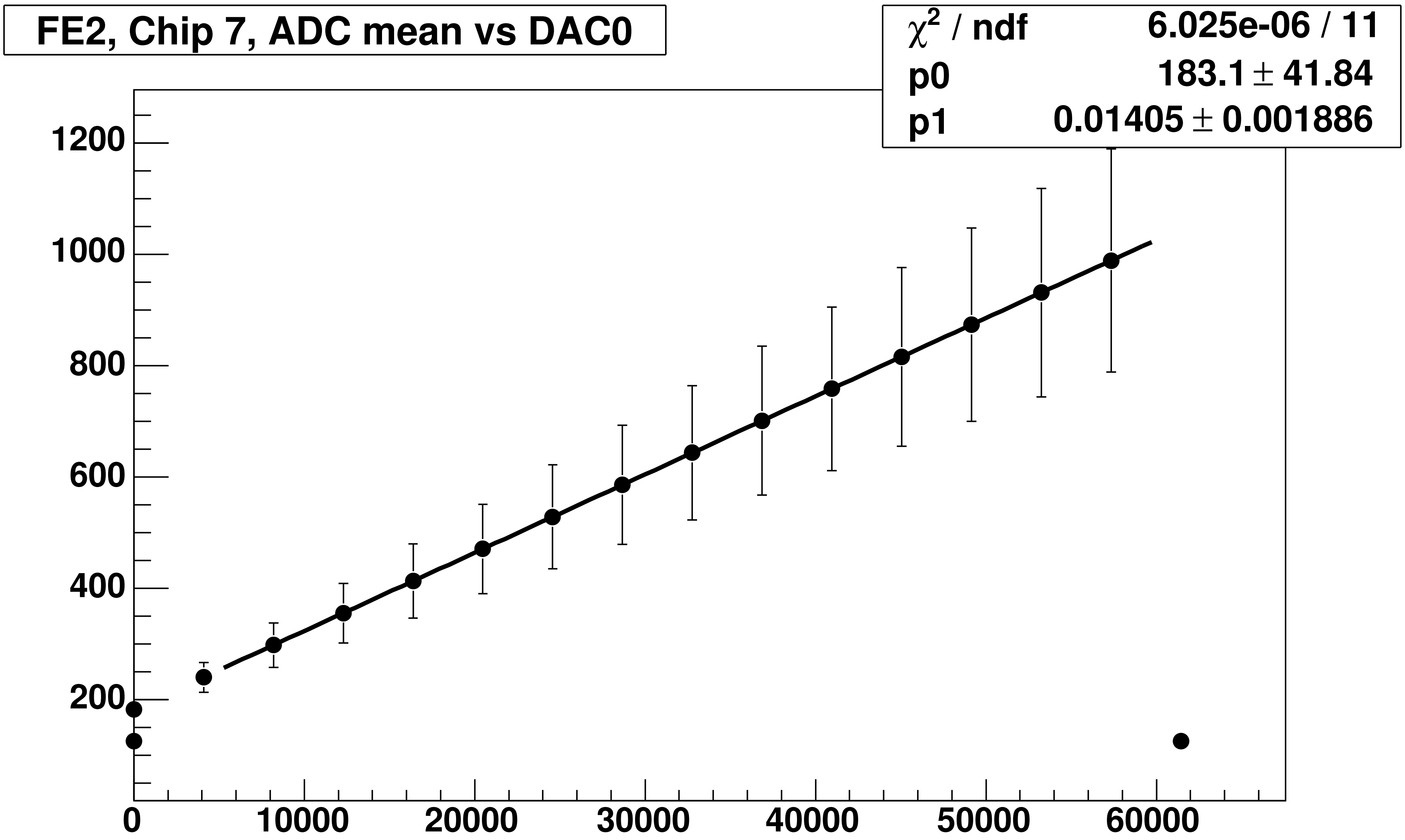
FE2, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

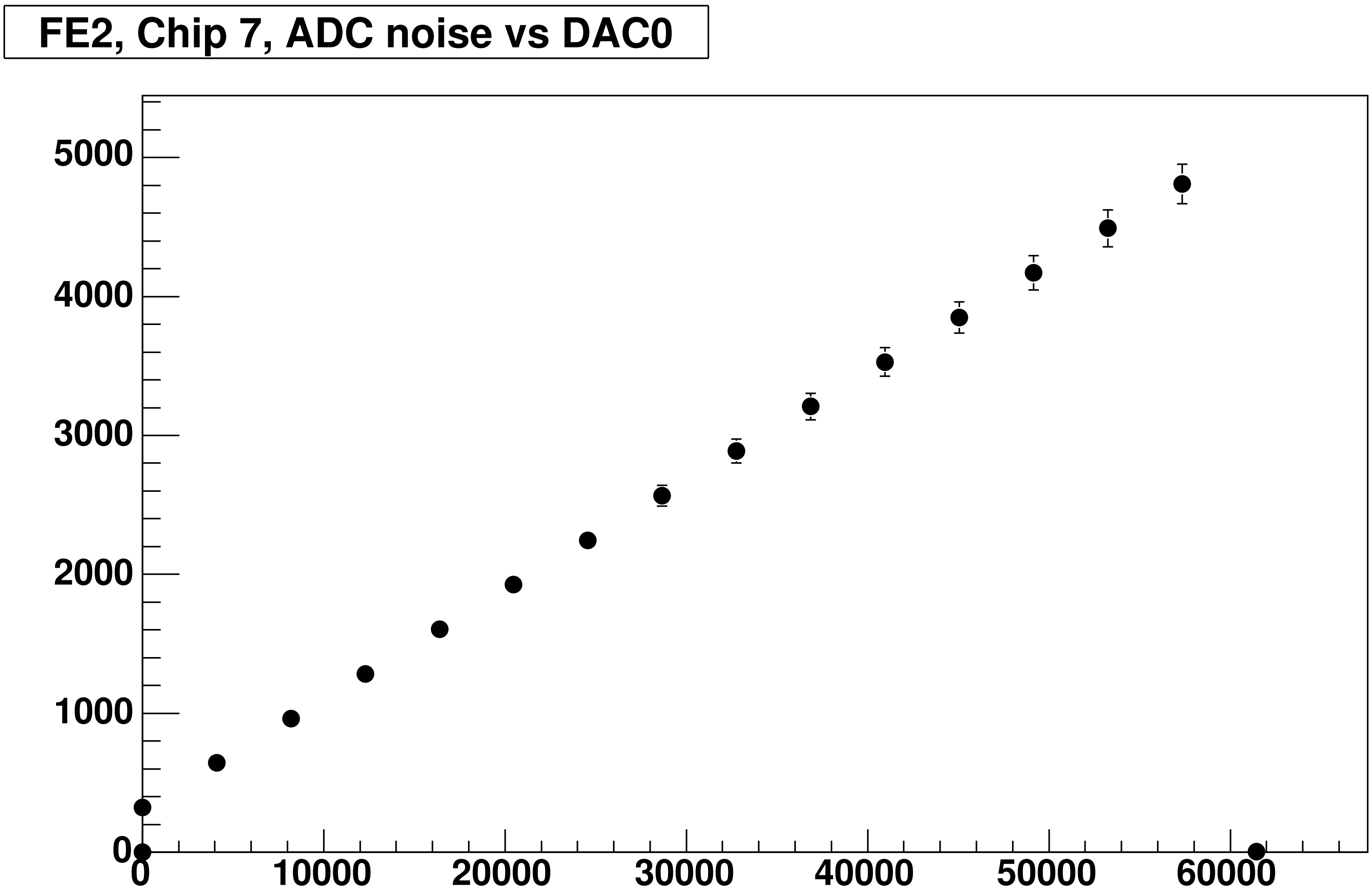

FE2, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001671 / 11
p0 123.3 ± 31
p1 0.4356 ± 0.001593
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

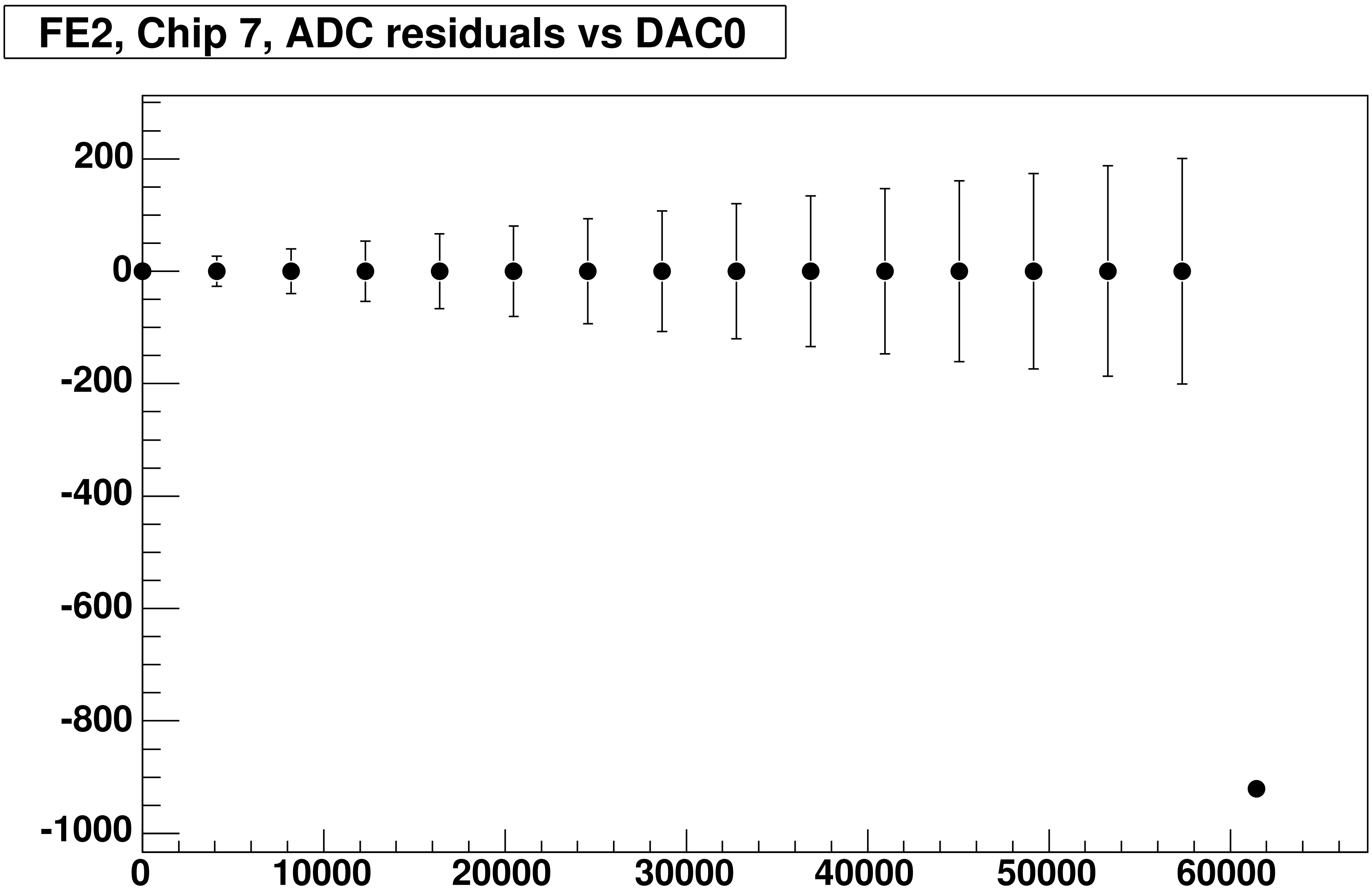


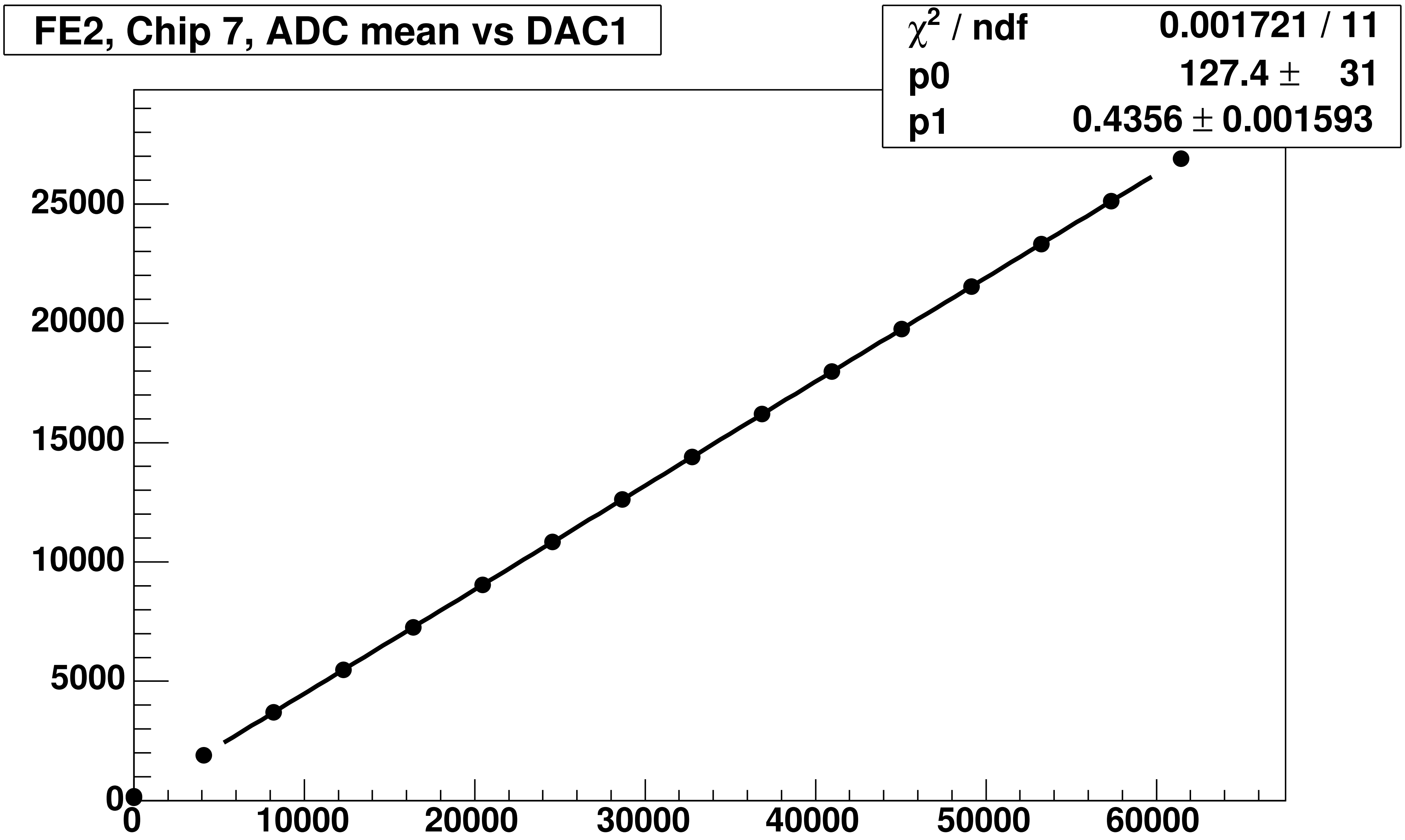
FE2, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

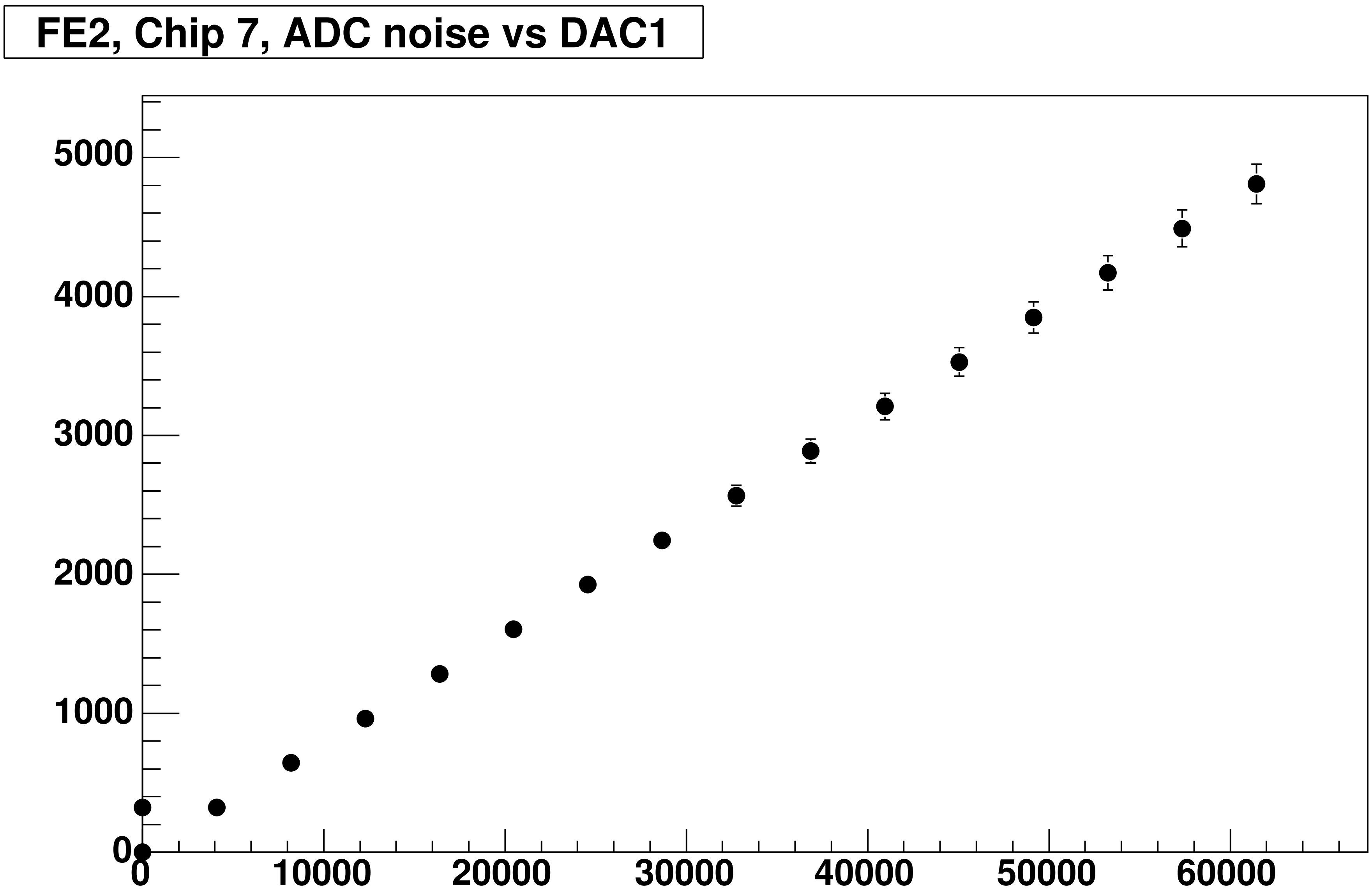

FE2, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 7, ADC mean vs DAC0
χ^2 / ndf 6.025e-06 / 11
p0 183.1 ± 41.84
p1 0.01405 ± 0.001886
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

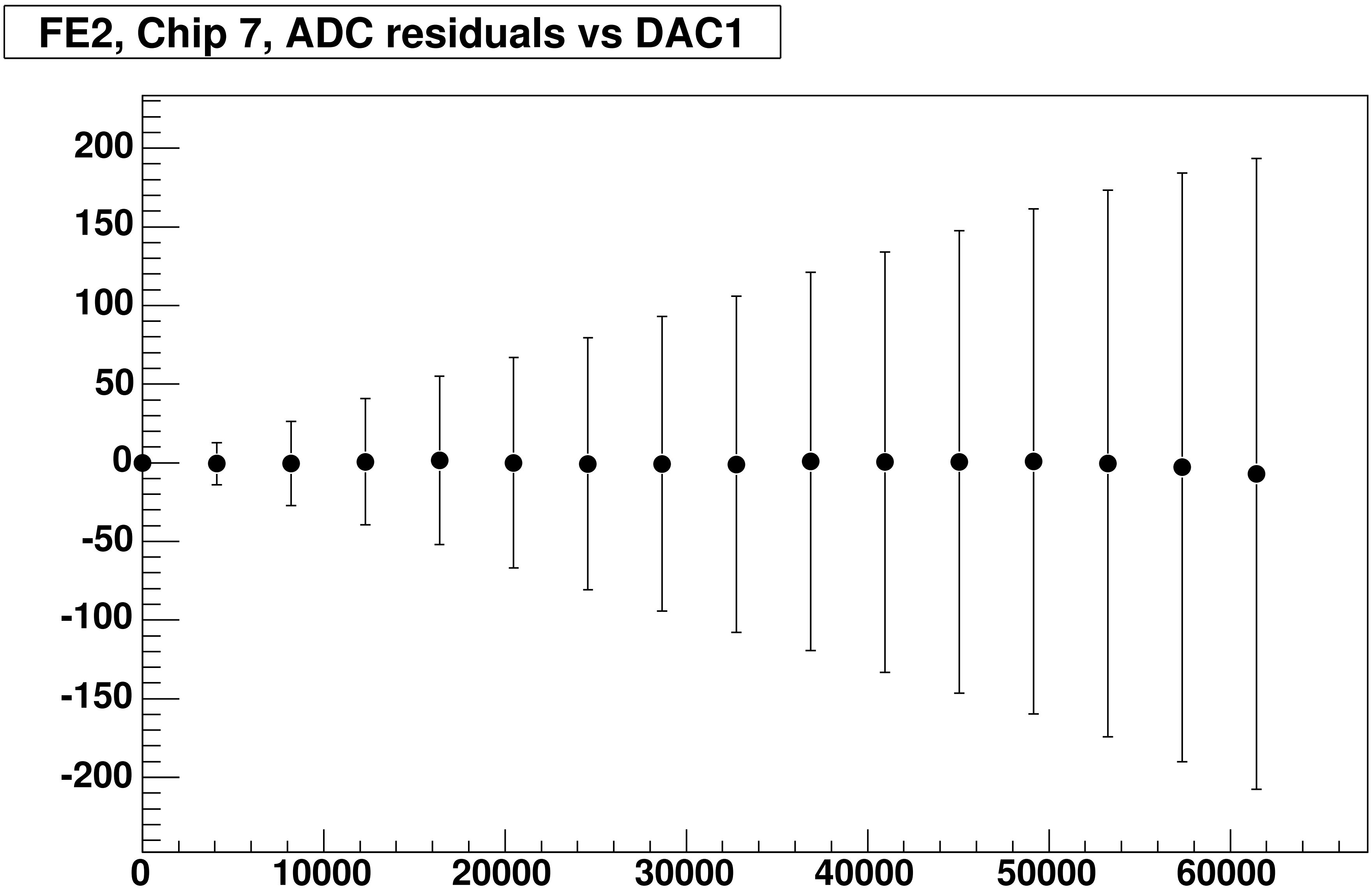

FE2, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

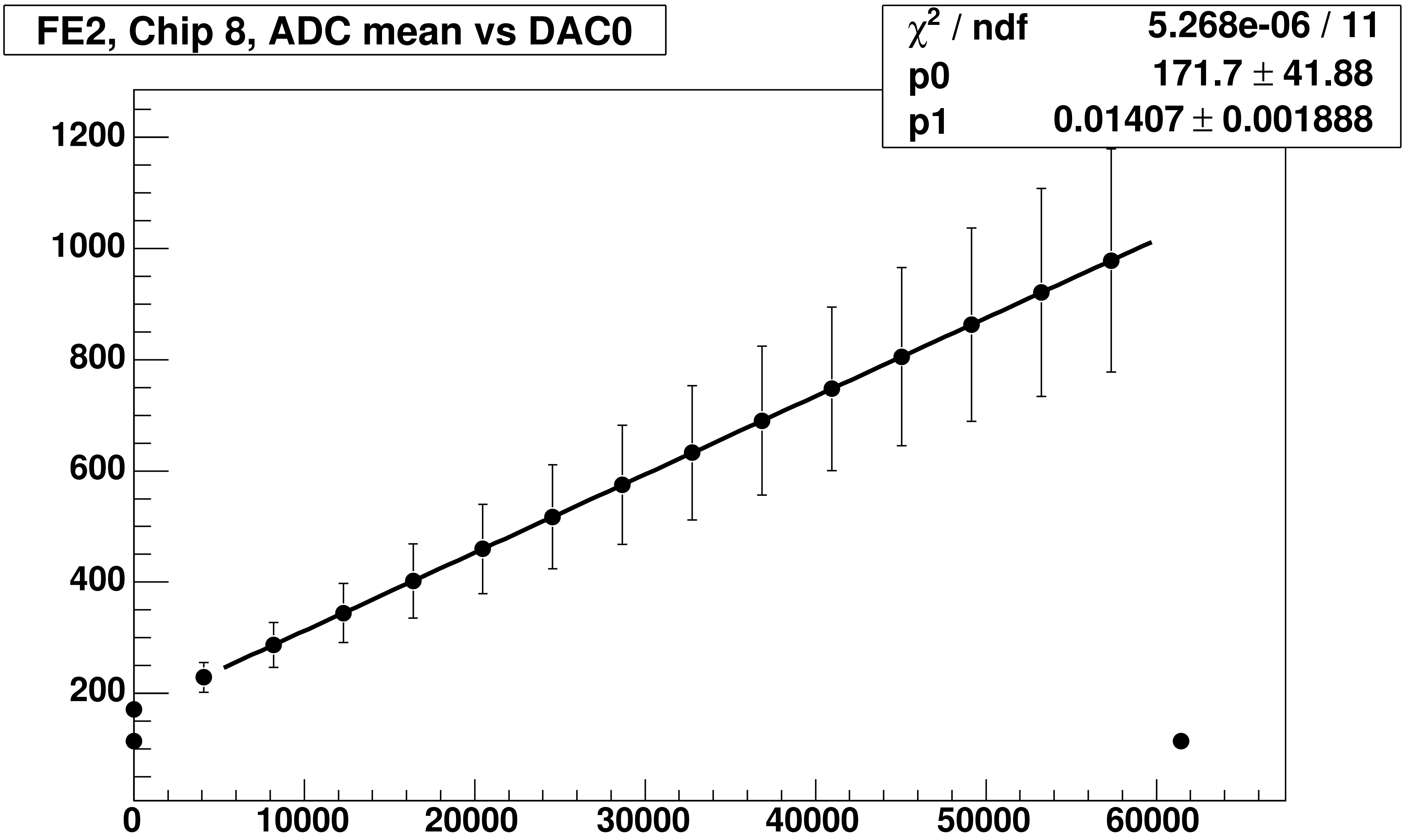

FE2, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 7, ADC mean vs DAC1
χ² / ndf 0.001721 / 11
p0 127.4 ± 31
p1 0.4356 ± 0.001593
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

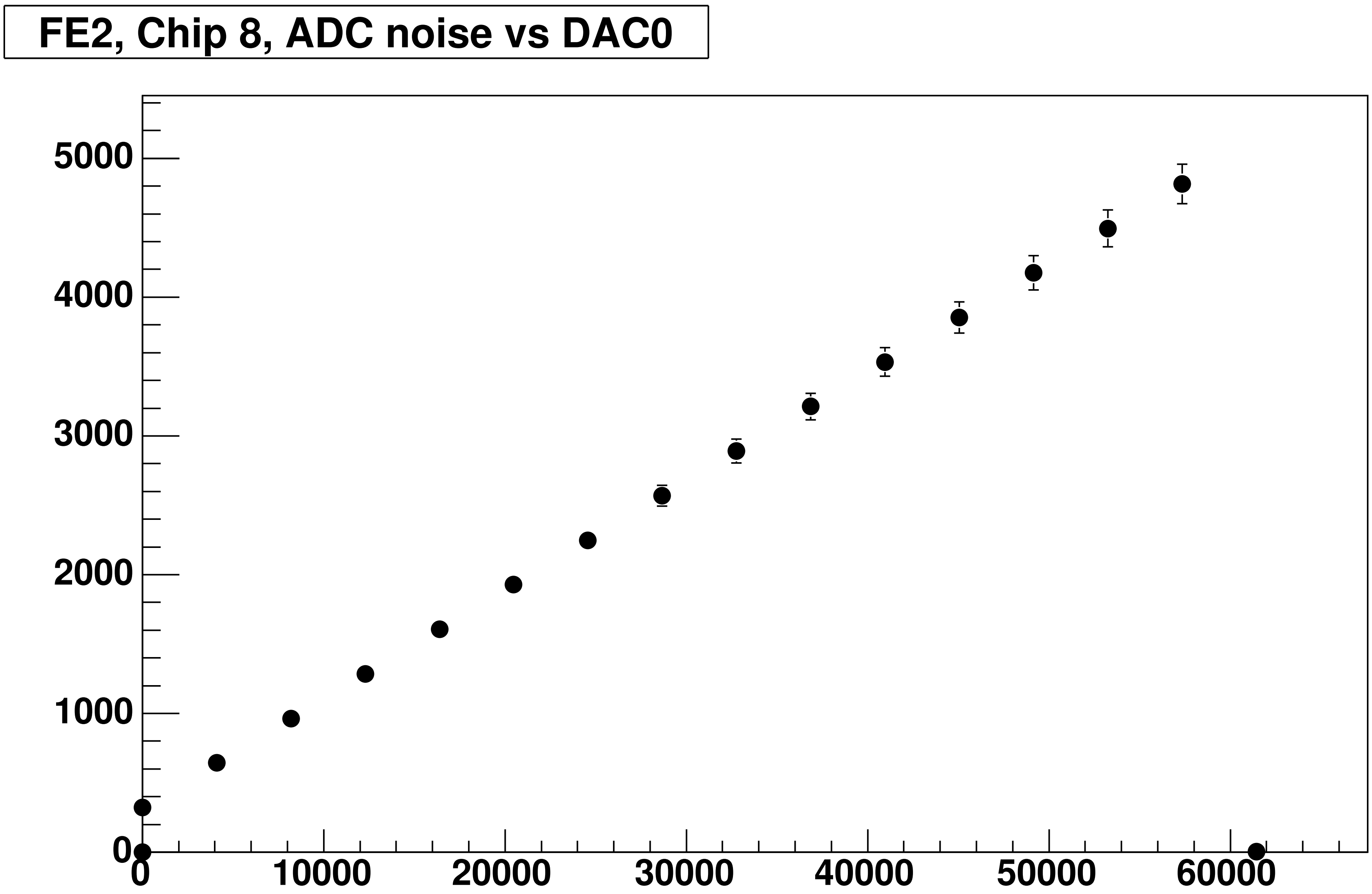


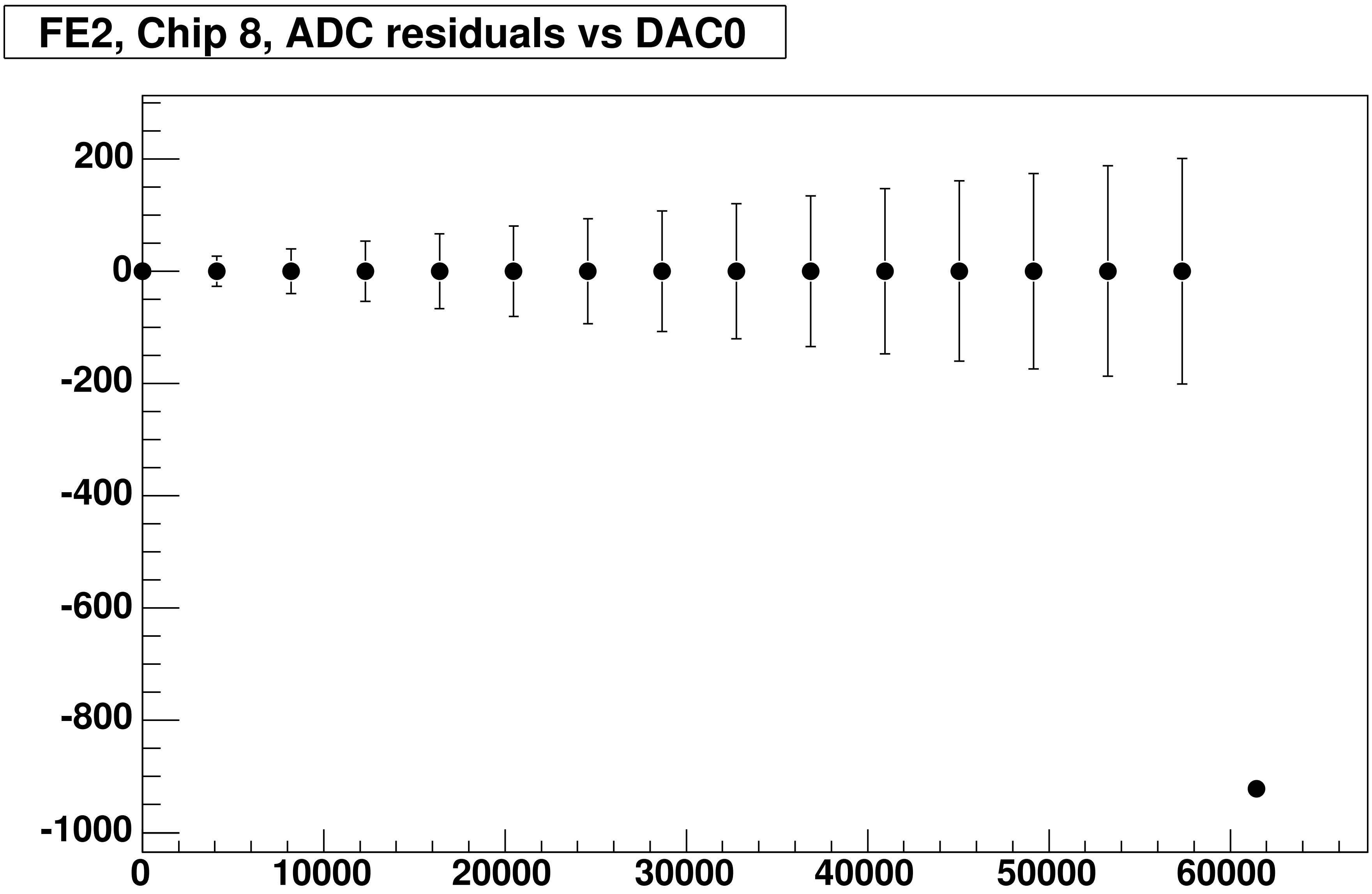
FE2, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

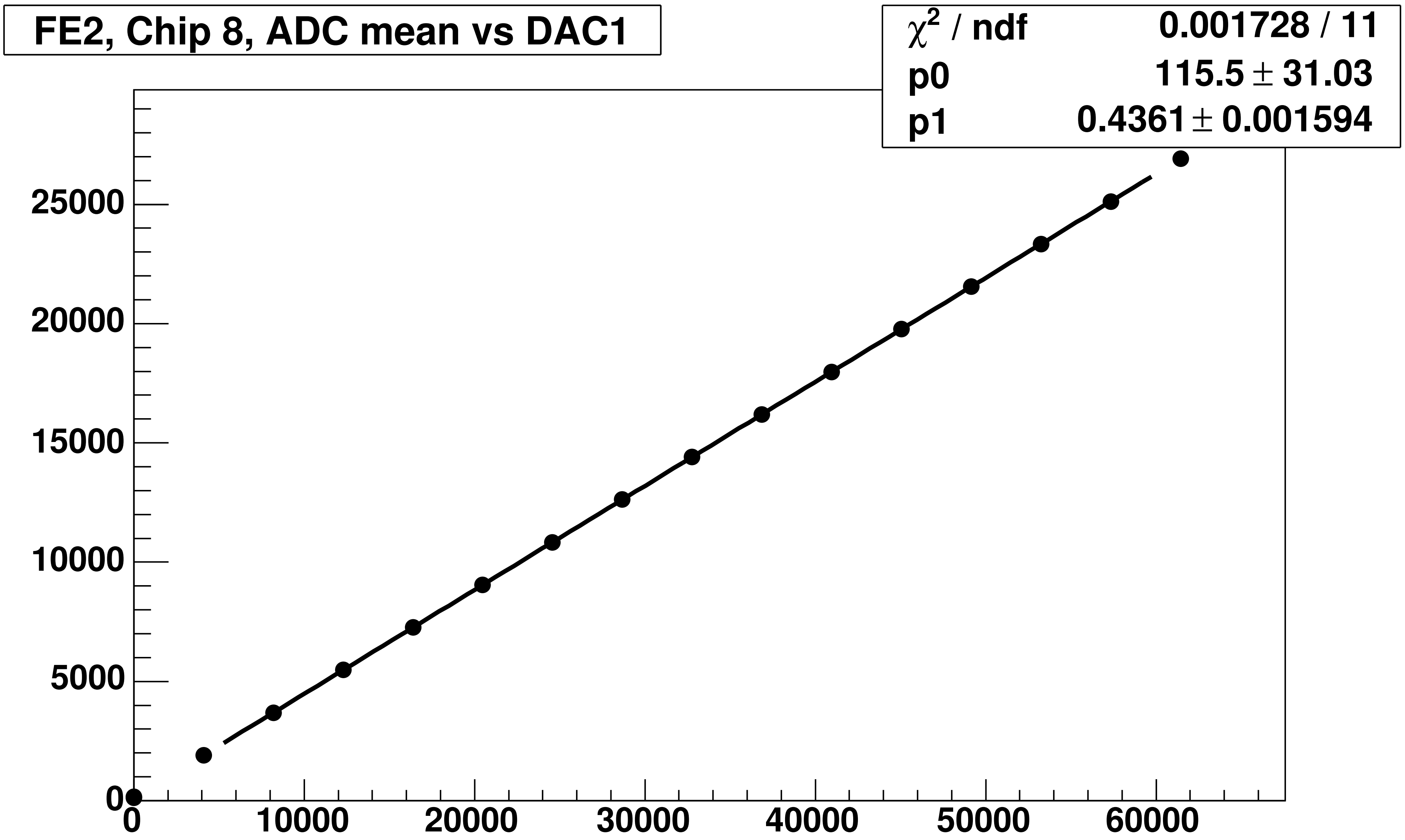

FE2, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



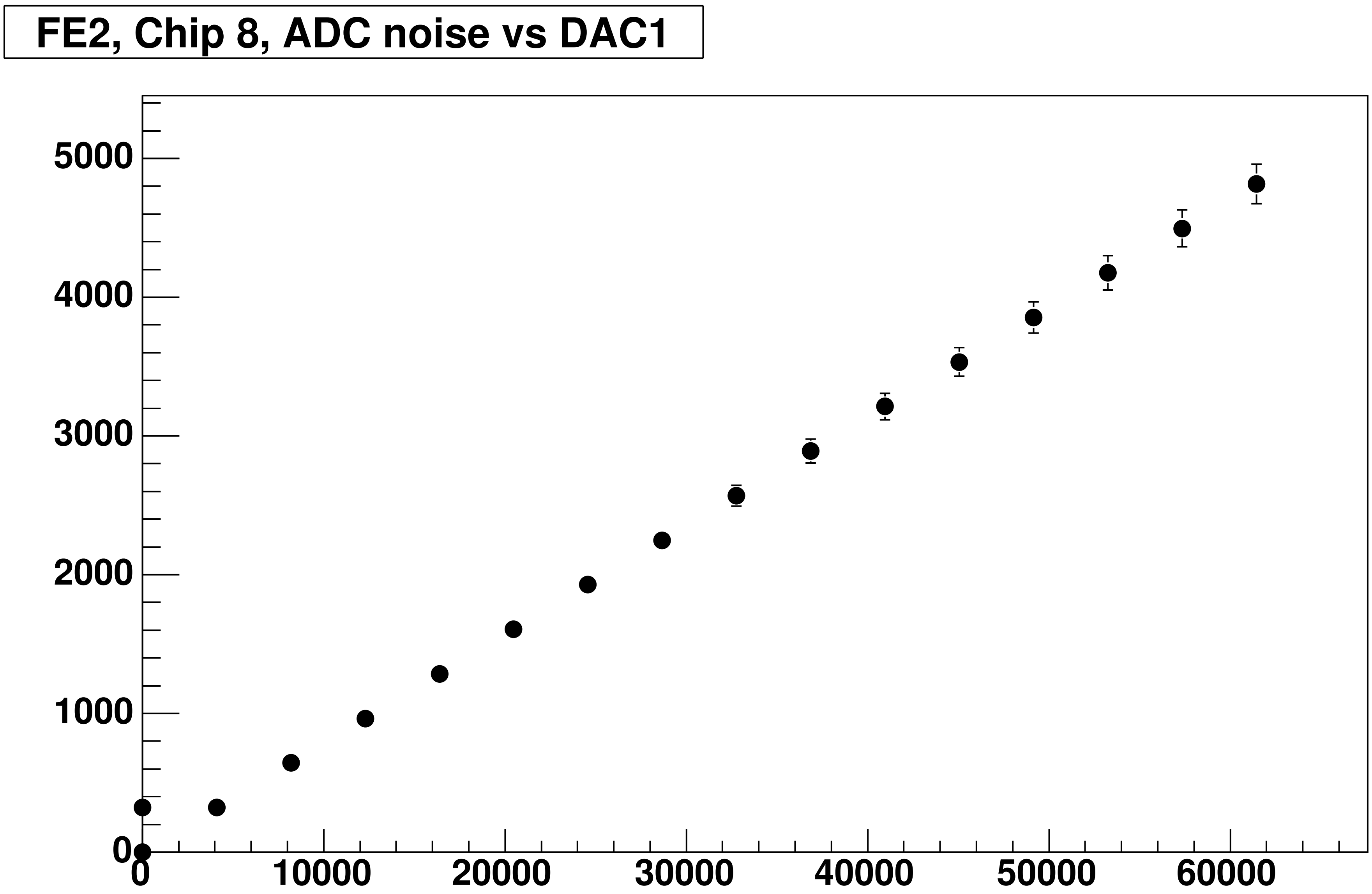
FE2, Chip 8, ADC mean vs DAC0
χ² / ndf 5.268e-06 / 11
p0 171.7 ± 41.88
p1 0.01407 ± 0.001888
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

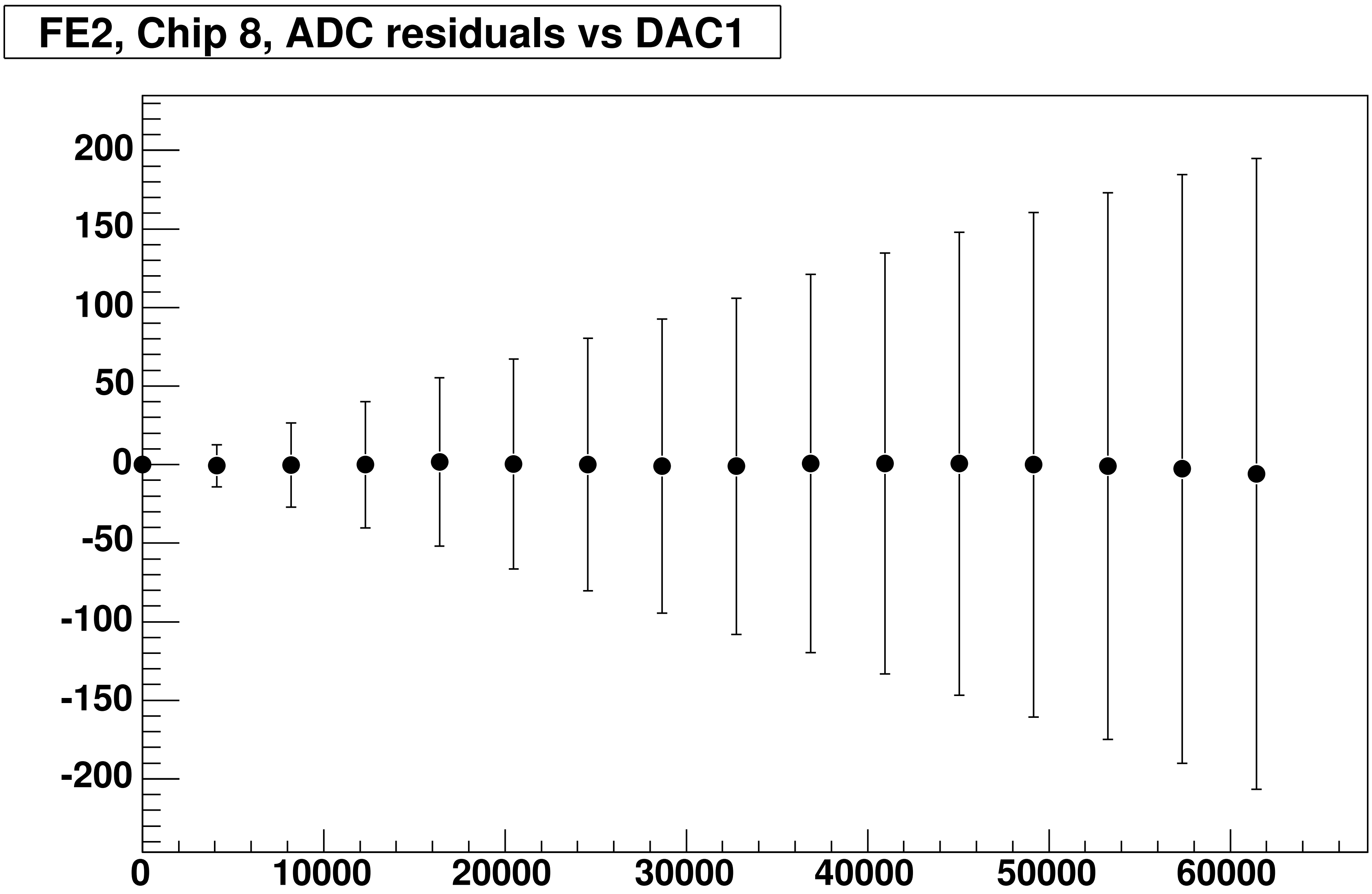

FE2, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

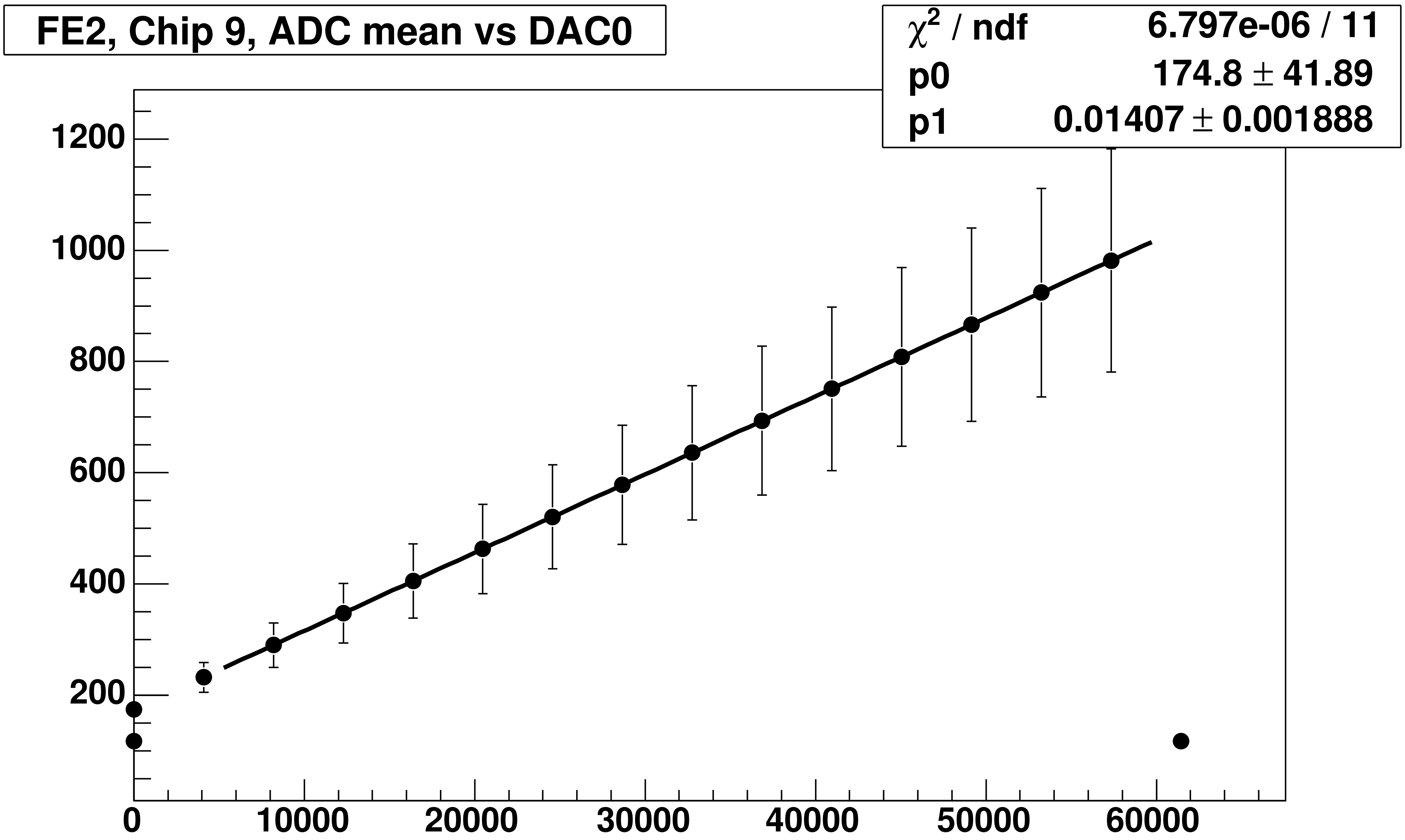

FE2, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

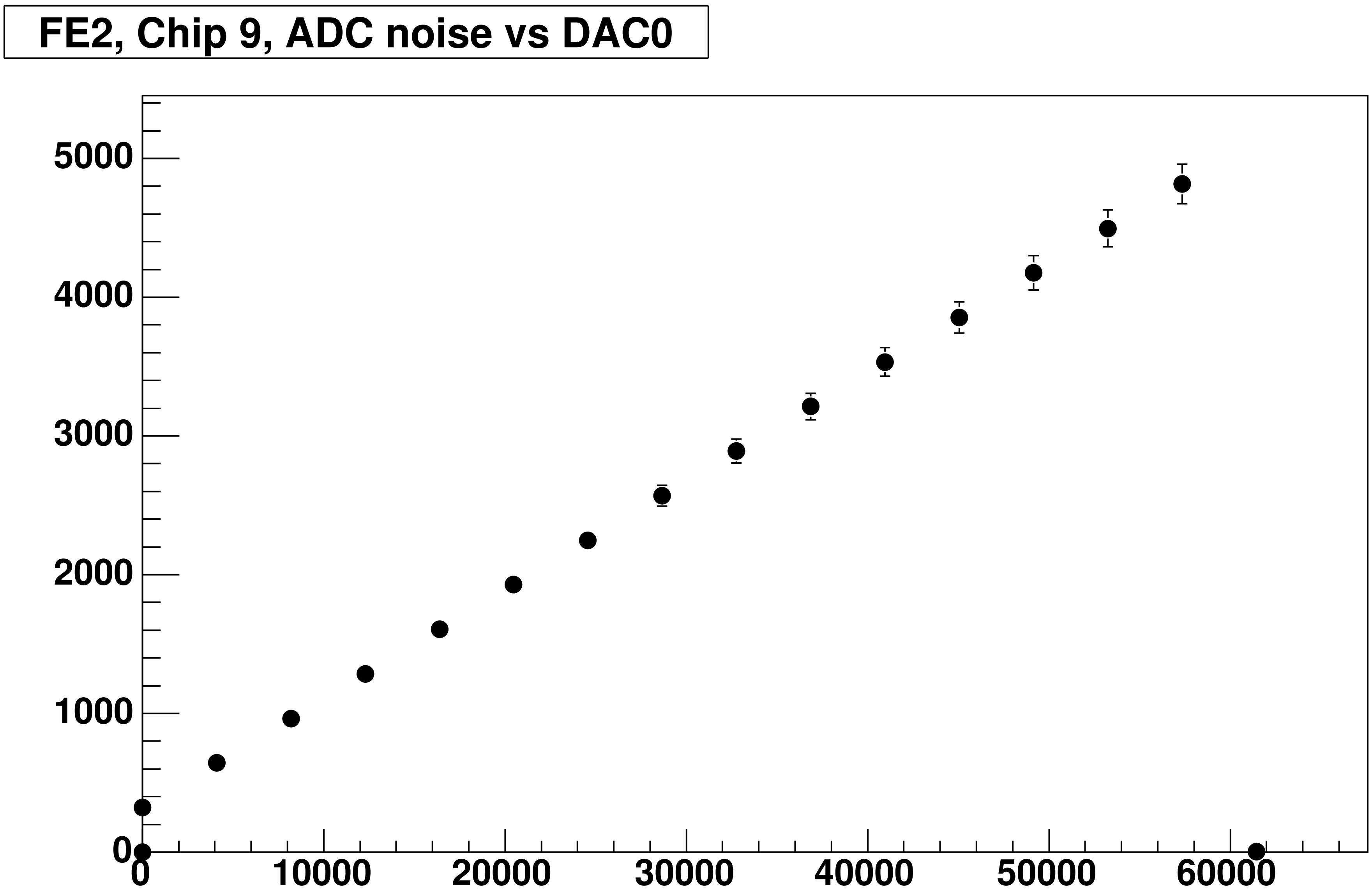


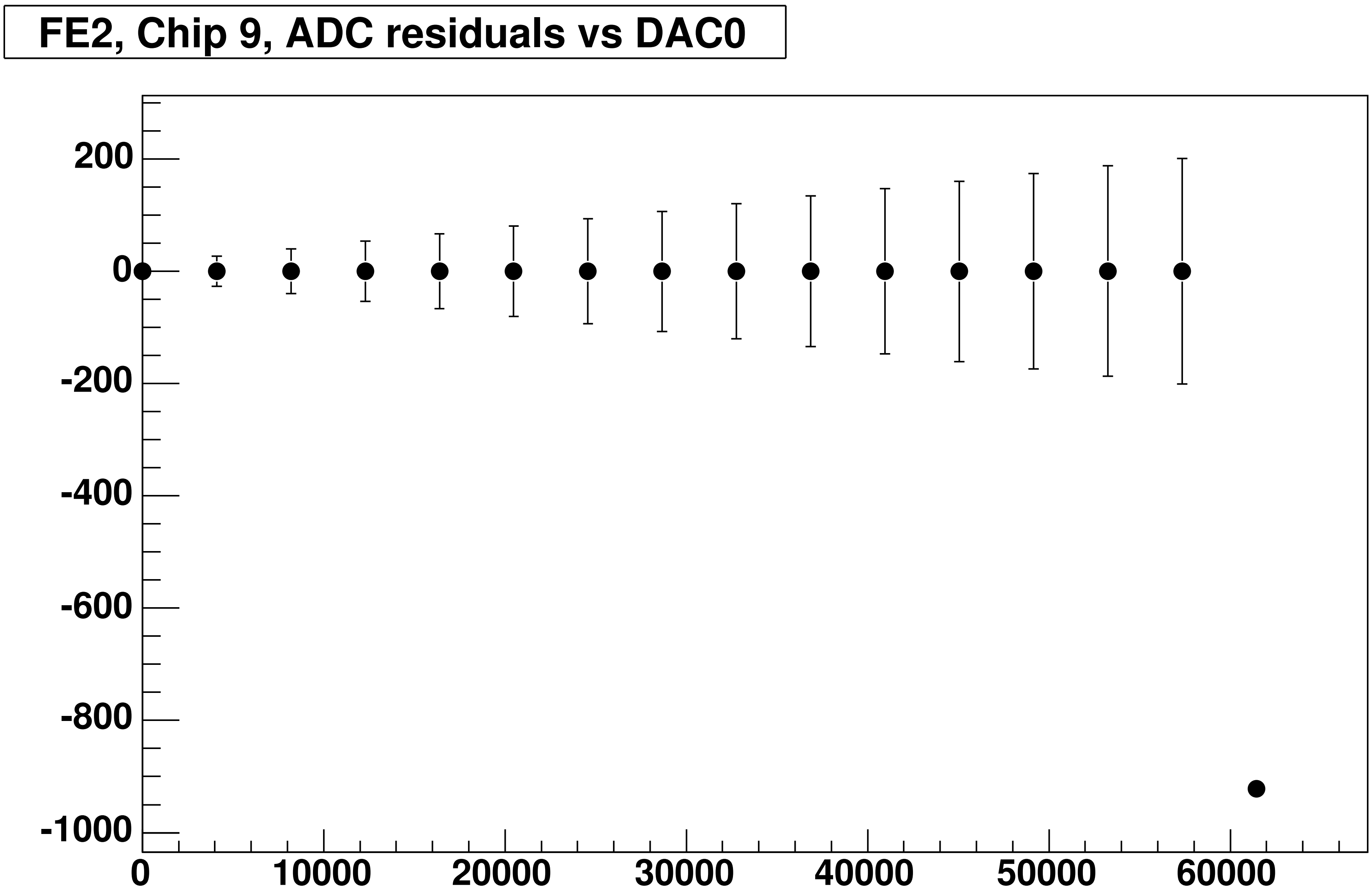
FE2, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001728 / 11
p0 115.5 ± 31.03
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

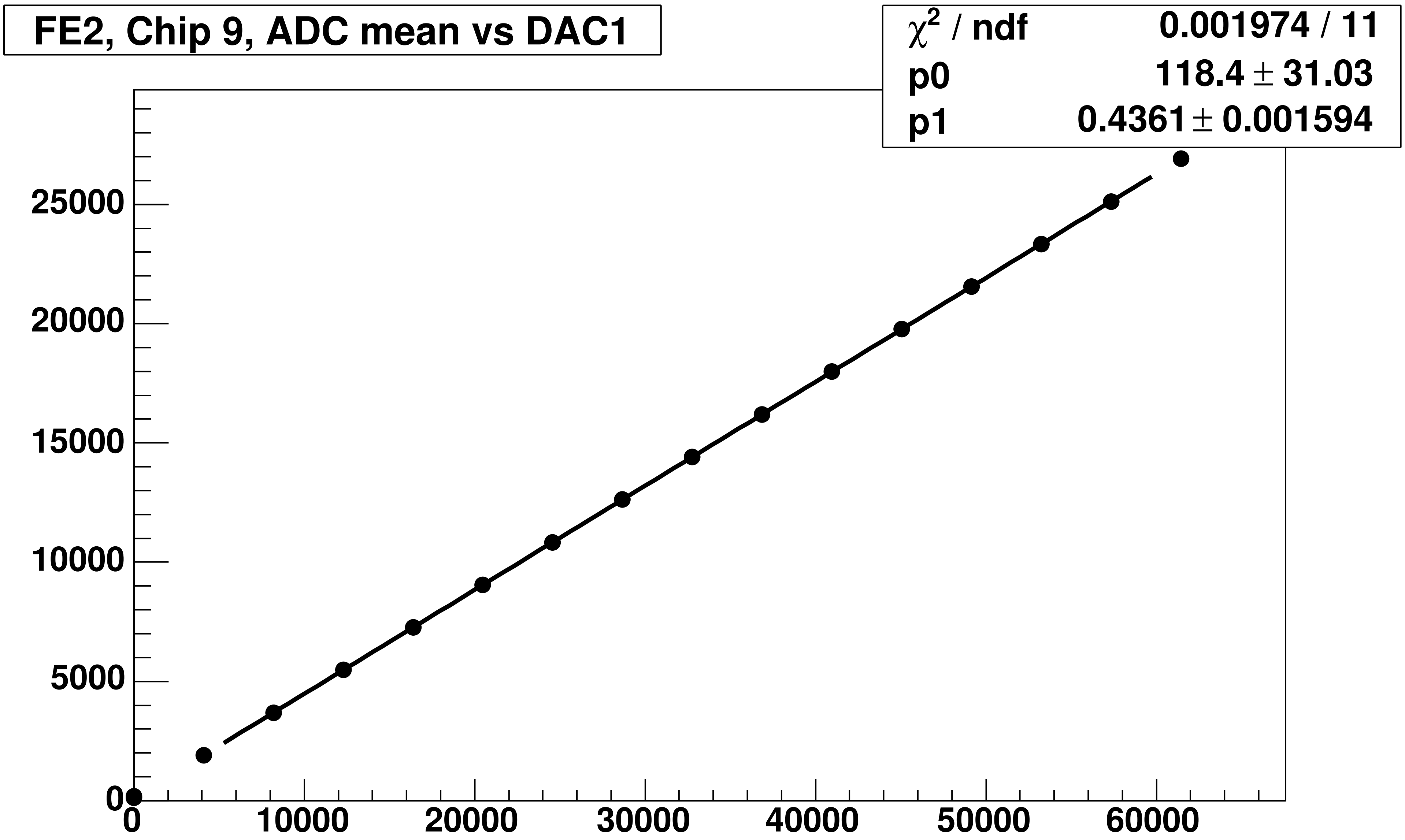

FE2, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE2, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

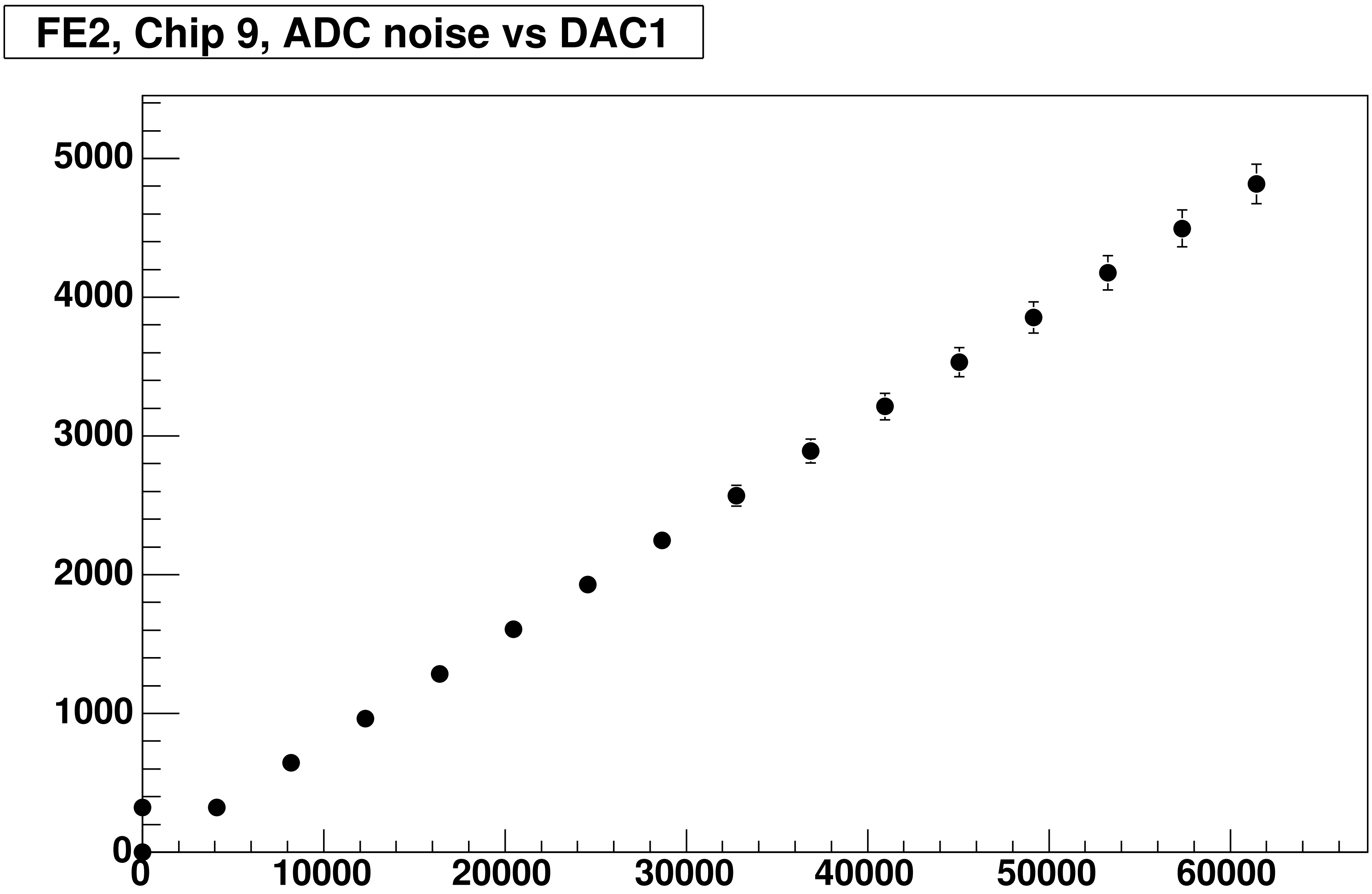

FE2, Chip 9, ADC mean vs DAC0
χ² / ndf 6.797e-06 / 11
p0 174.8 ± 41.89
p1 0.01407 ± 0.001888
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

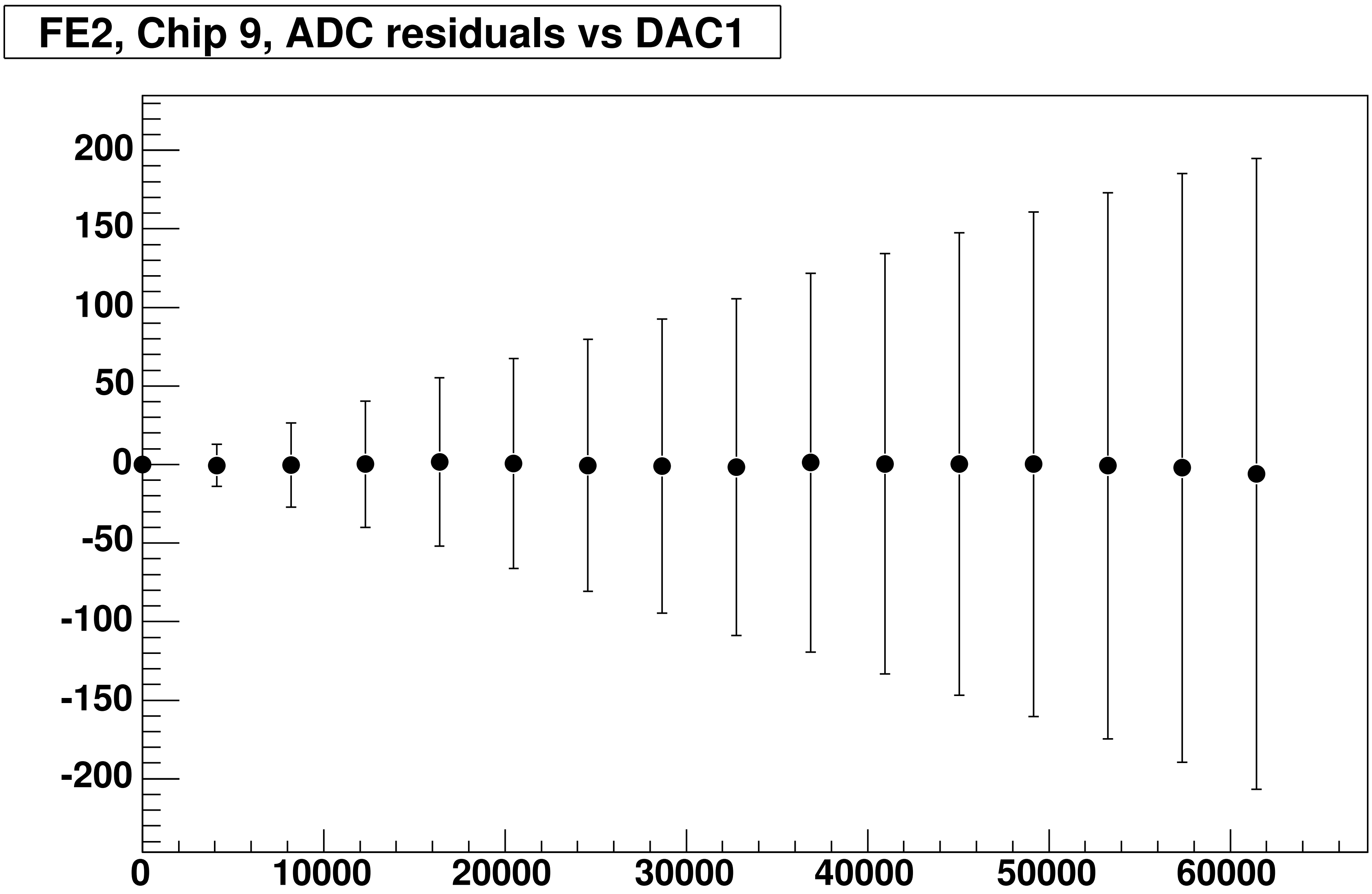

FE2, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE2, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

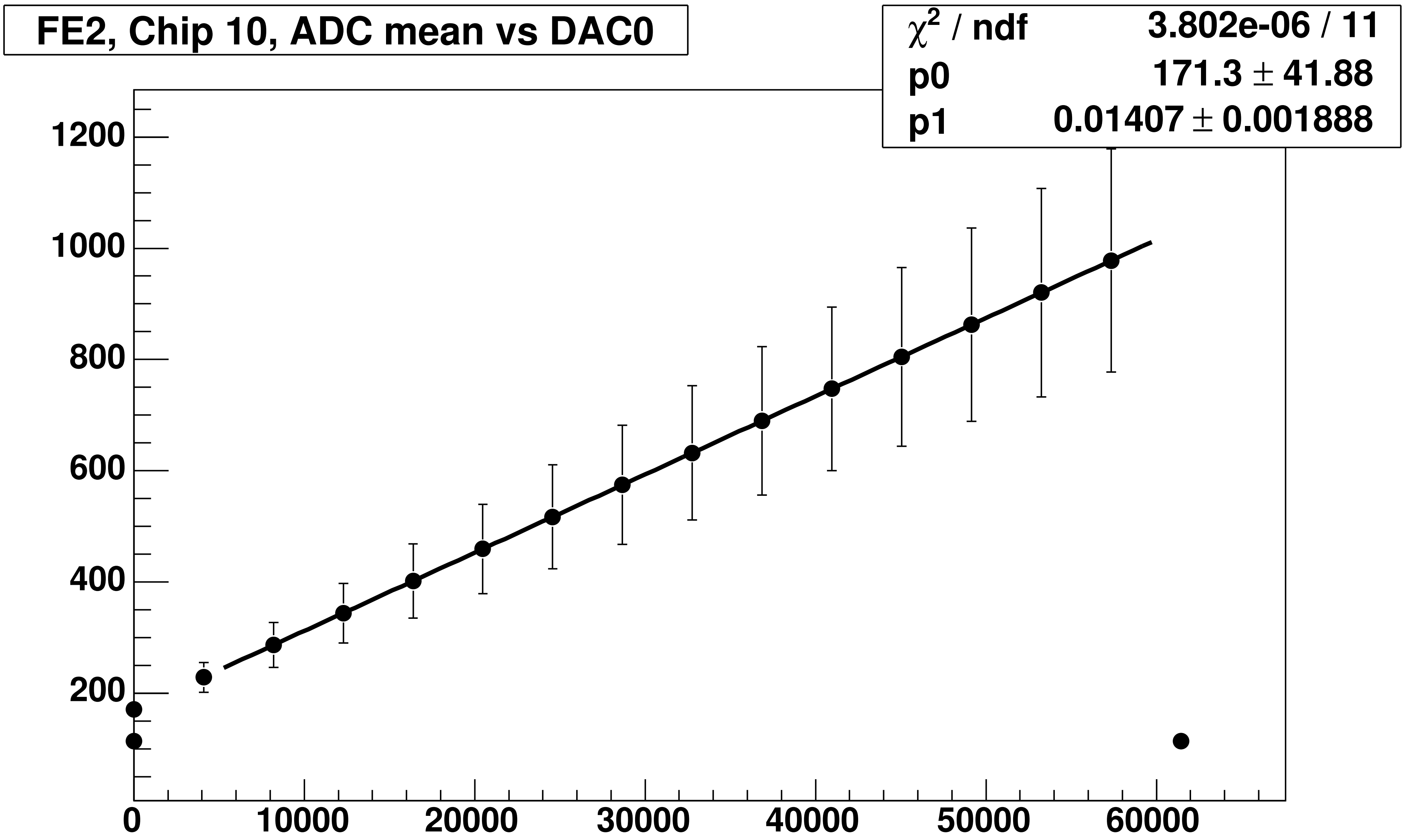


FE2, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.001974 / 11
p0 118.4 ± 31.03
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

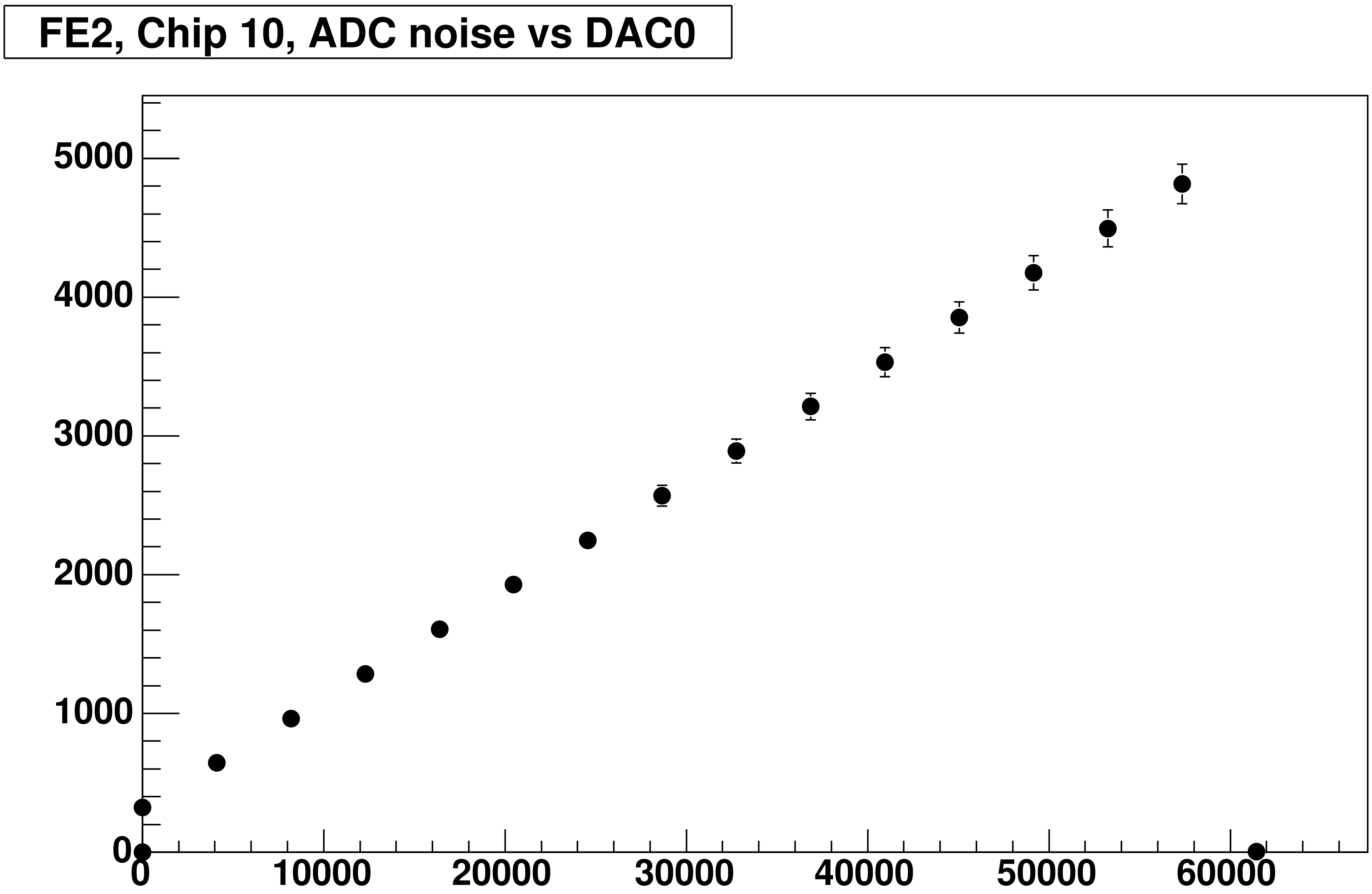

FE2, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

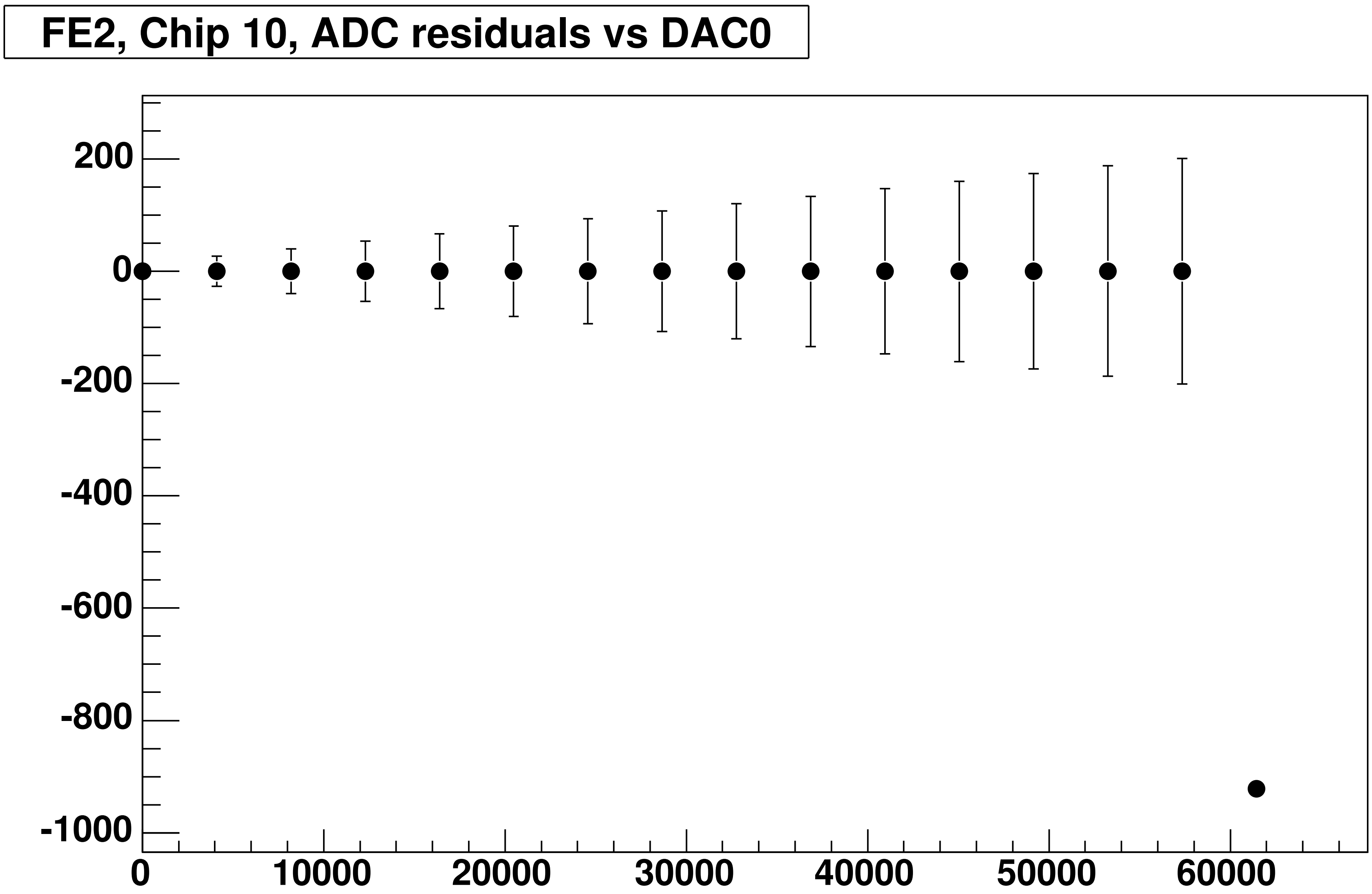


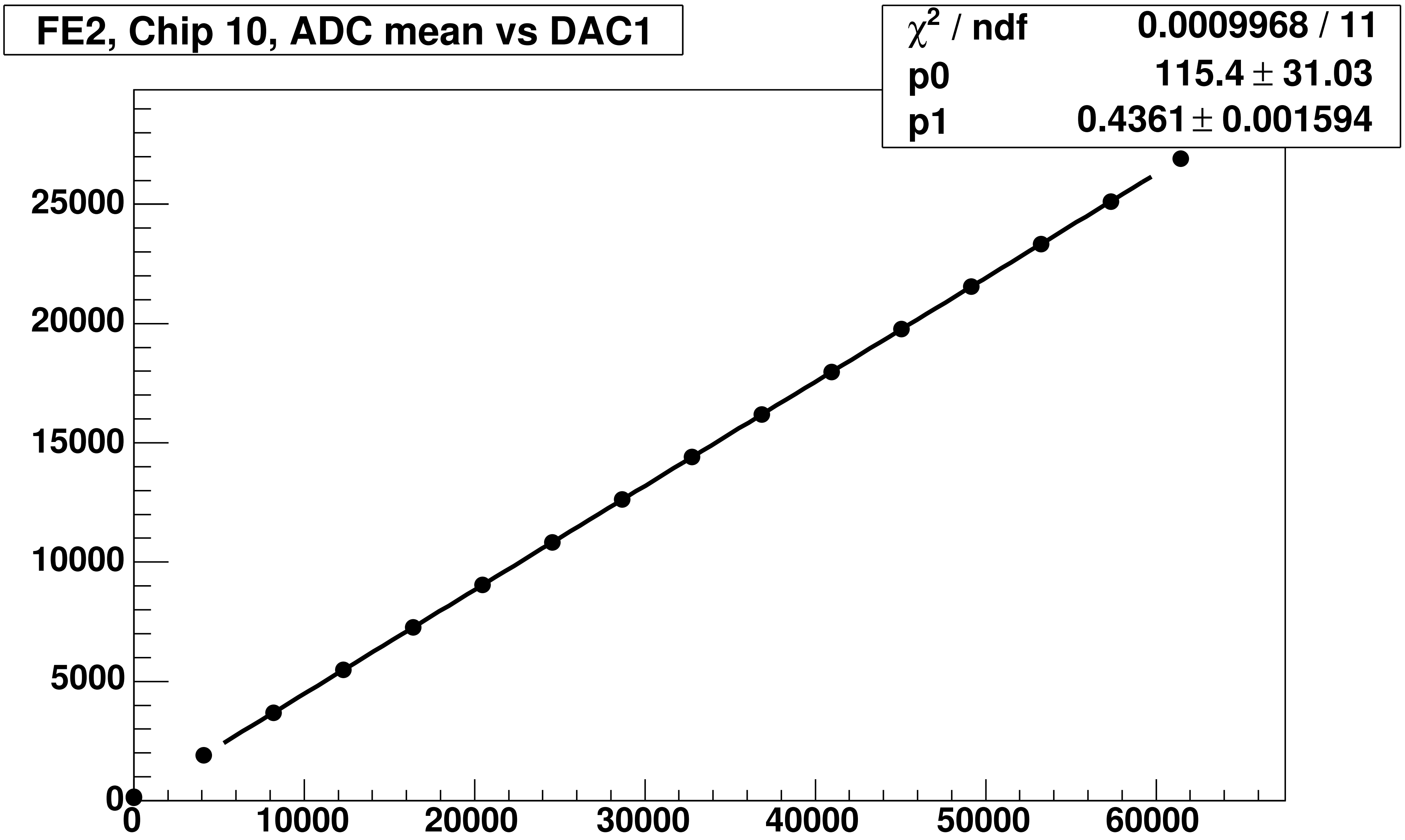
FE2, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



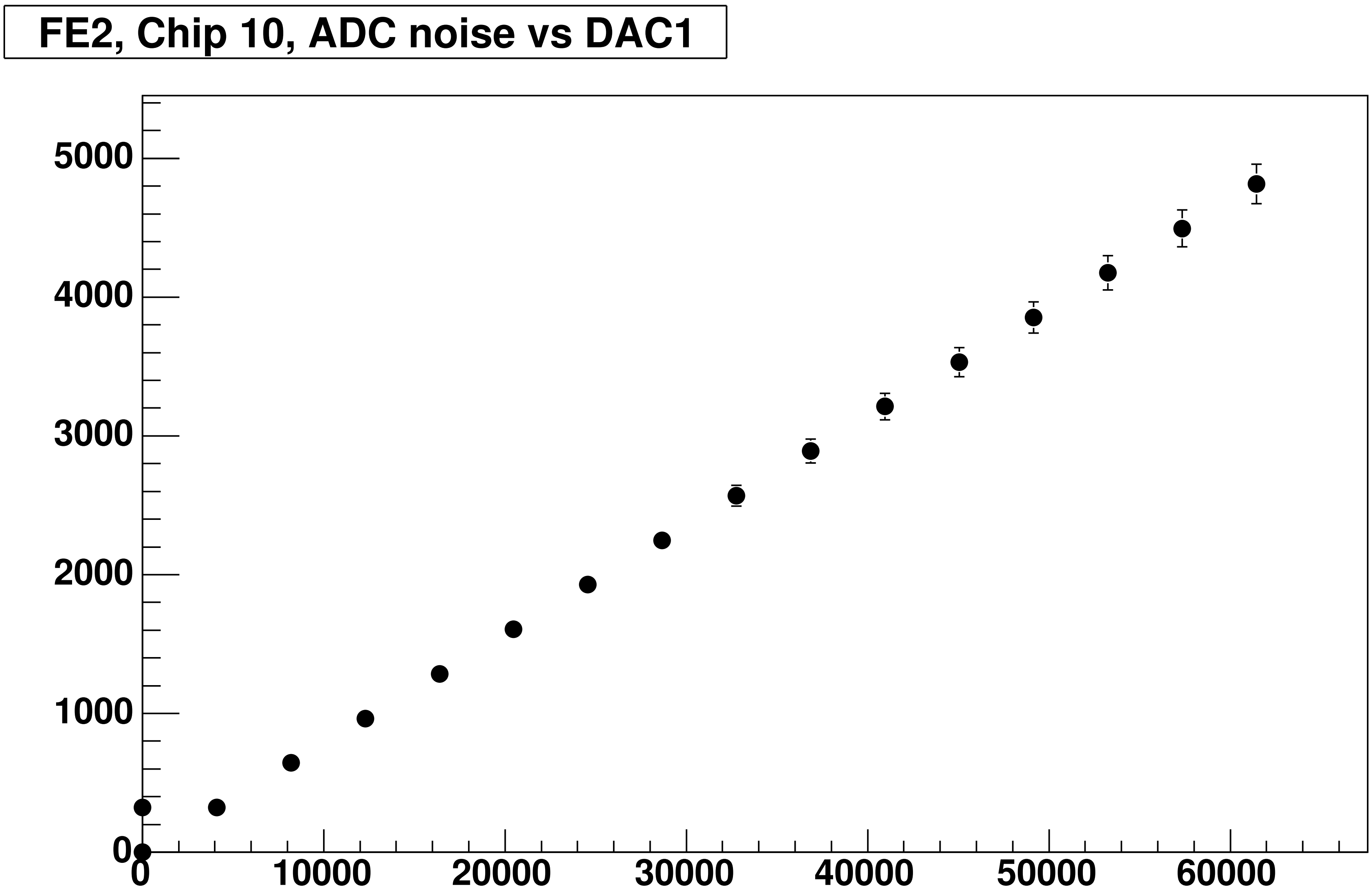
FE2, Chip 10, ADC mean vs DAC0
χ^2 / ndf 3.802e-06 / 11
p0 171.3 ± 41.88
p1 0.01407 ± 0.001888
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

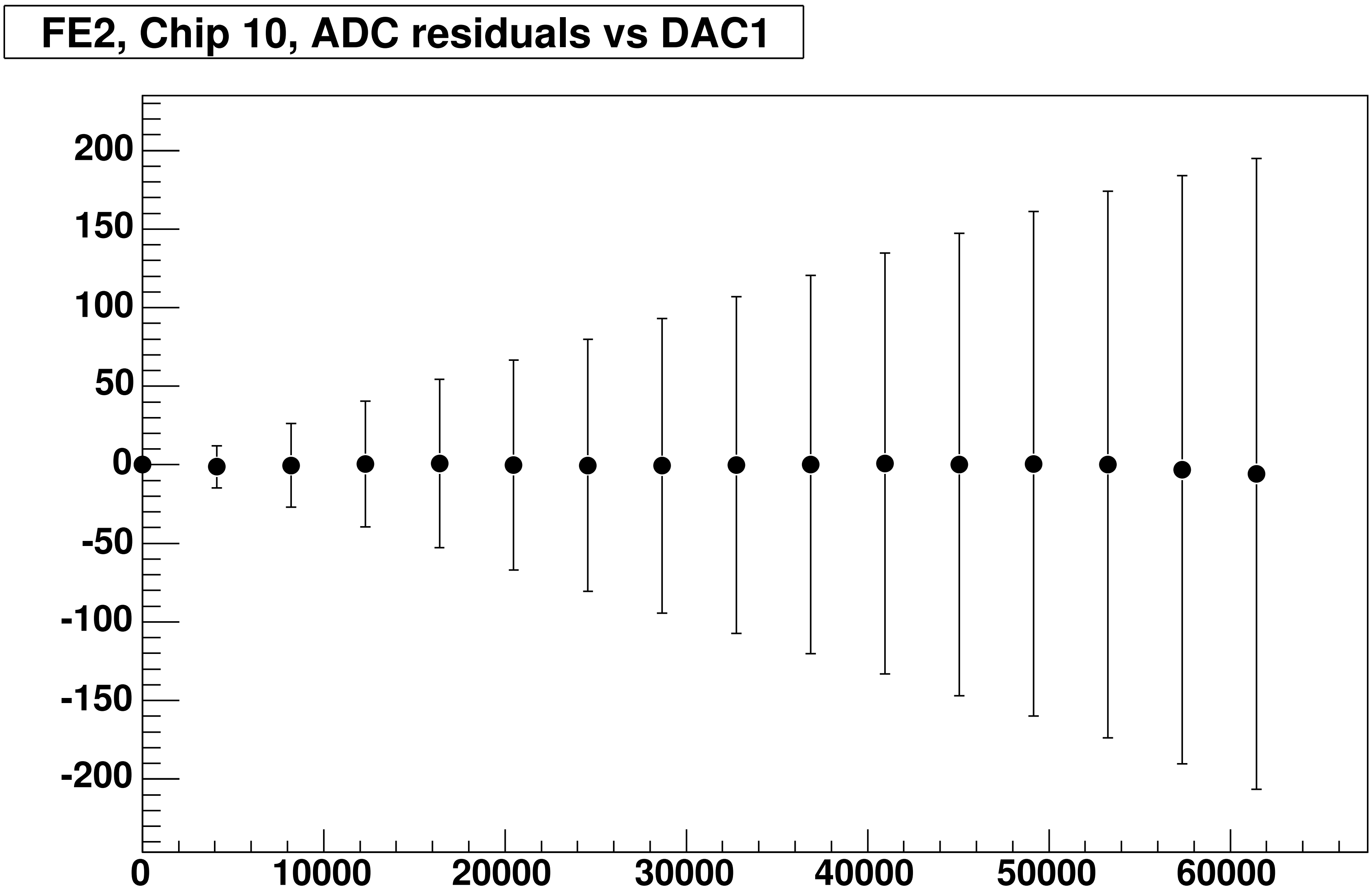

FE2, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

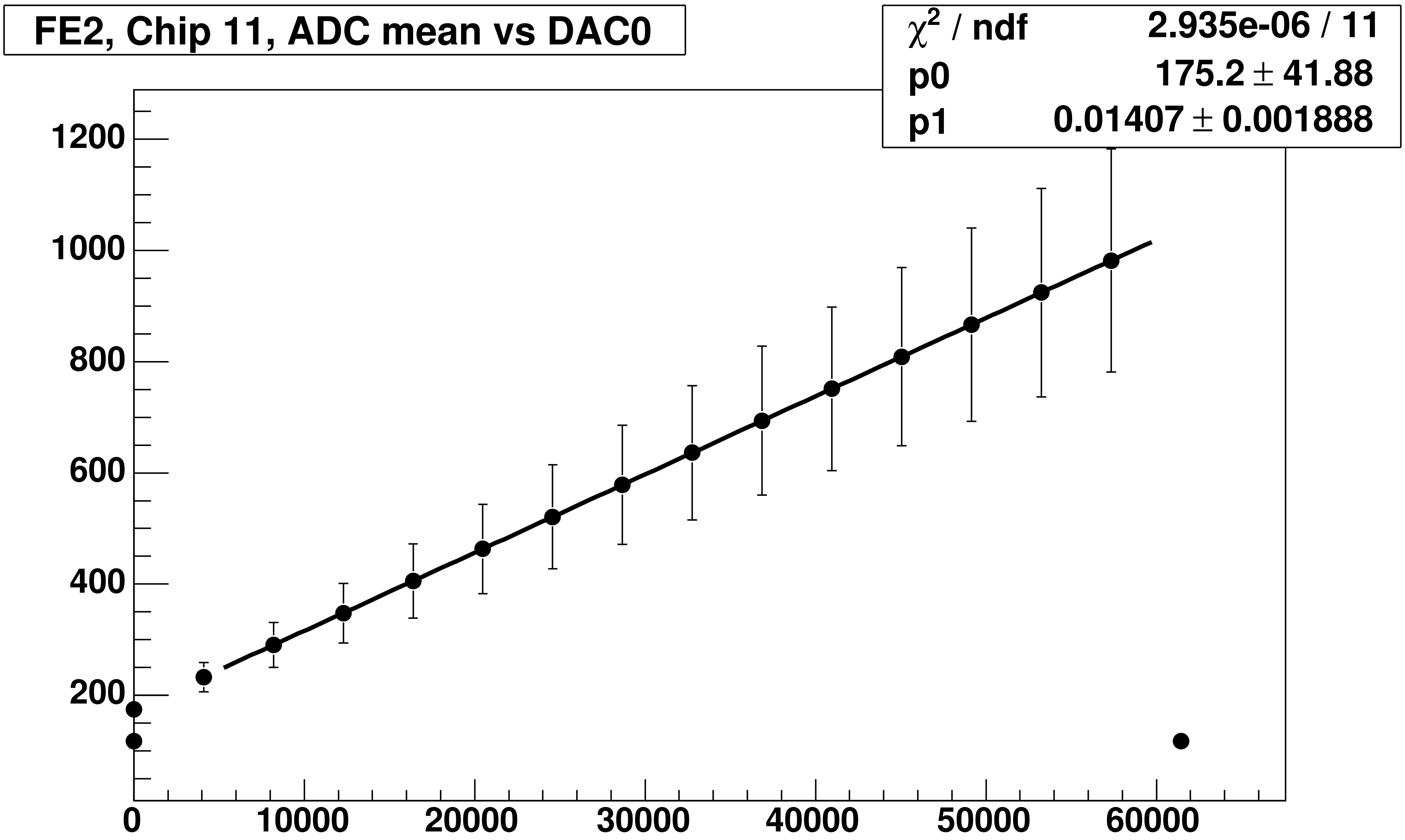

FE2, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



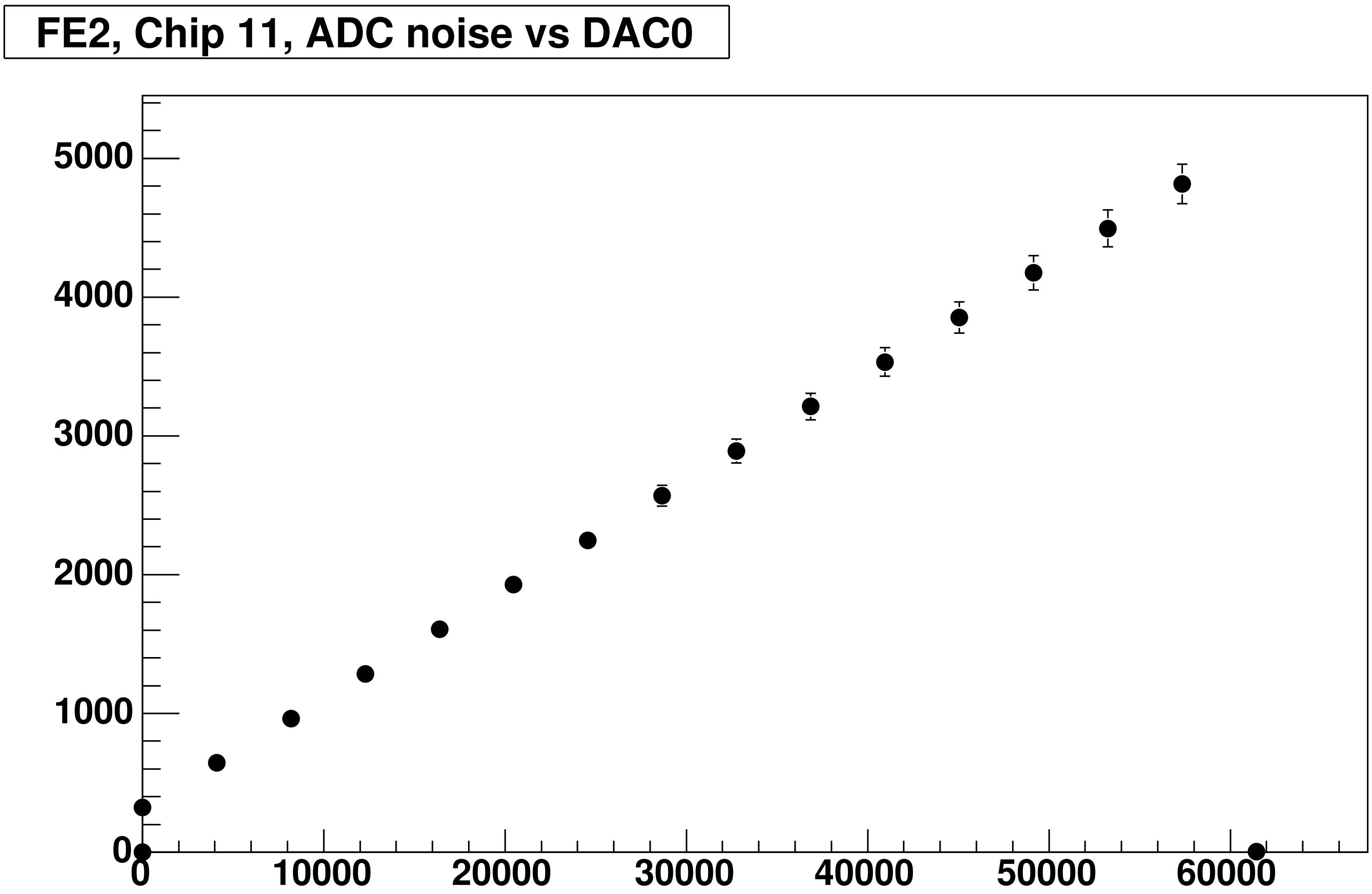
FE2, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0009968 / 11
p0 115.4 ± 31.03
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

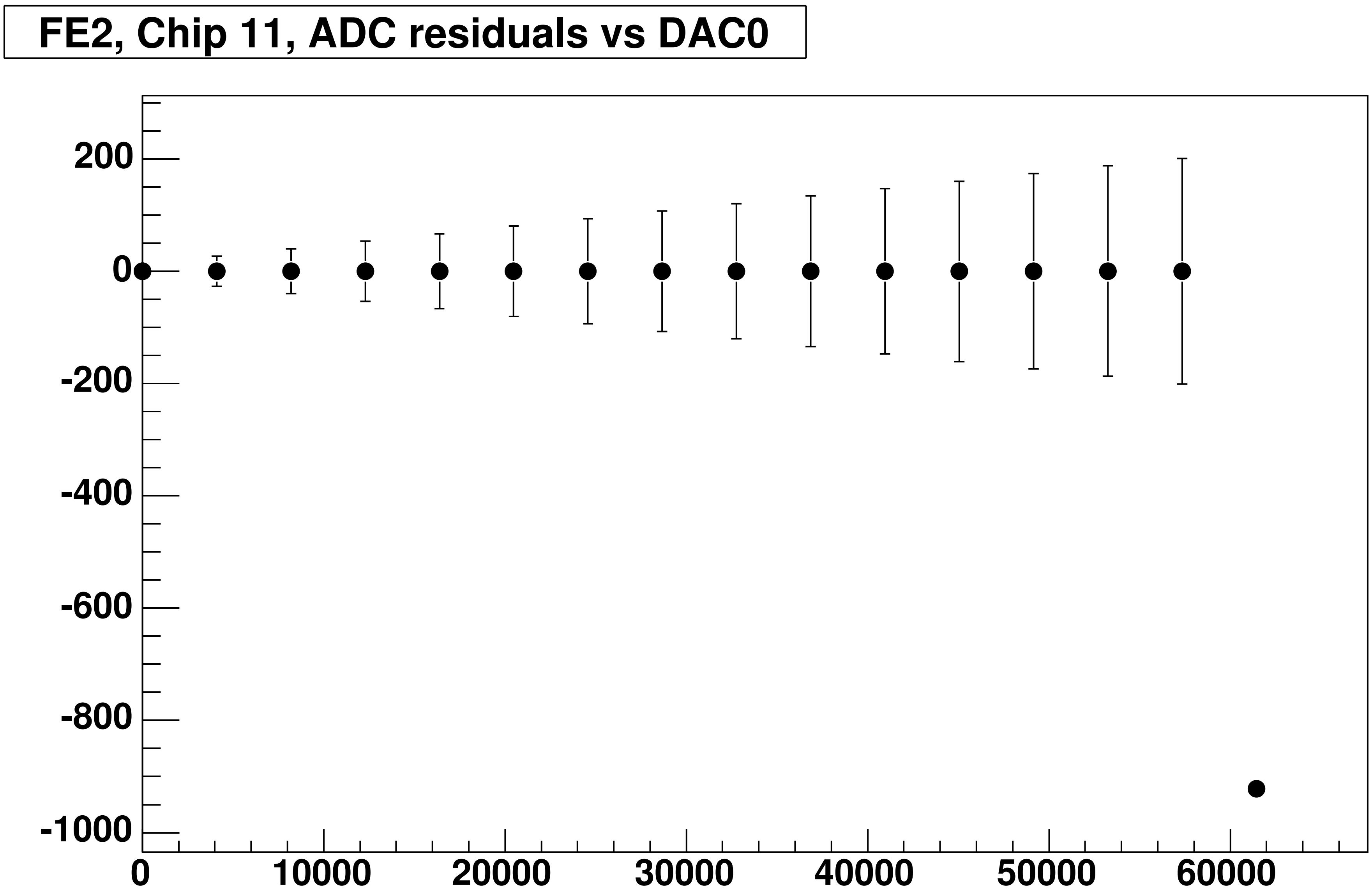

FE2, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

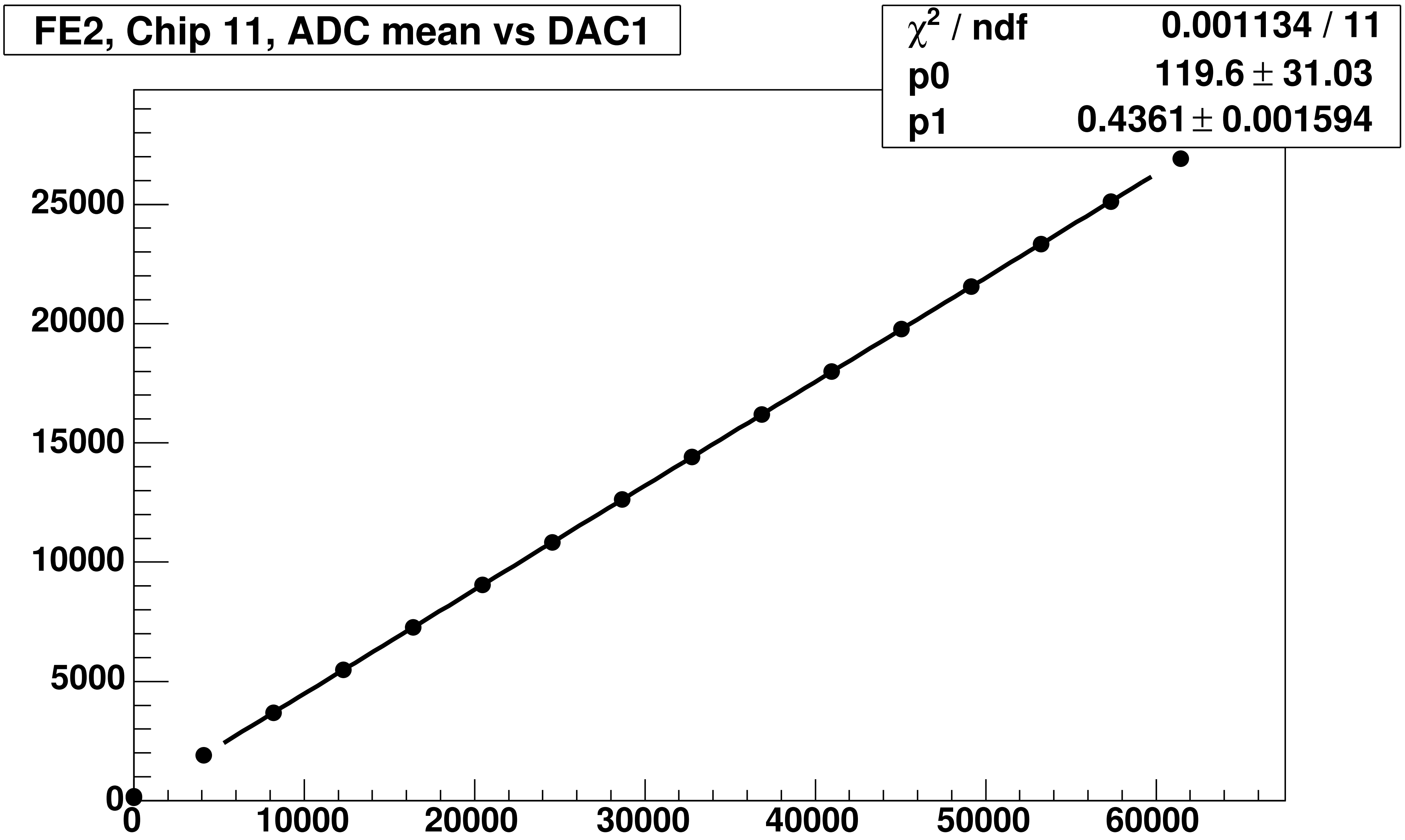

FE2, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

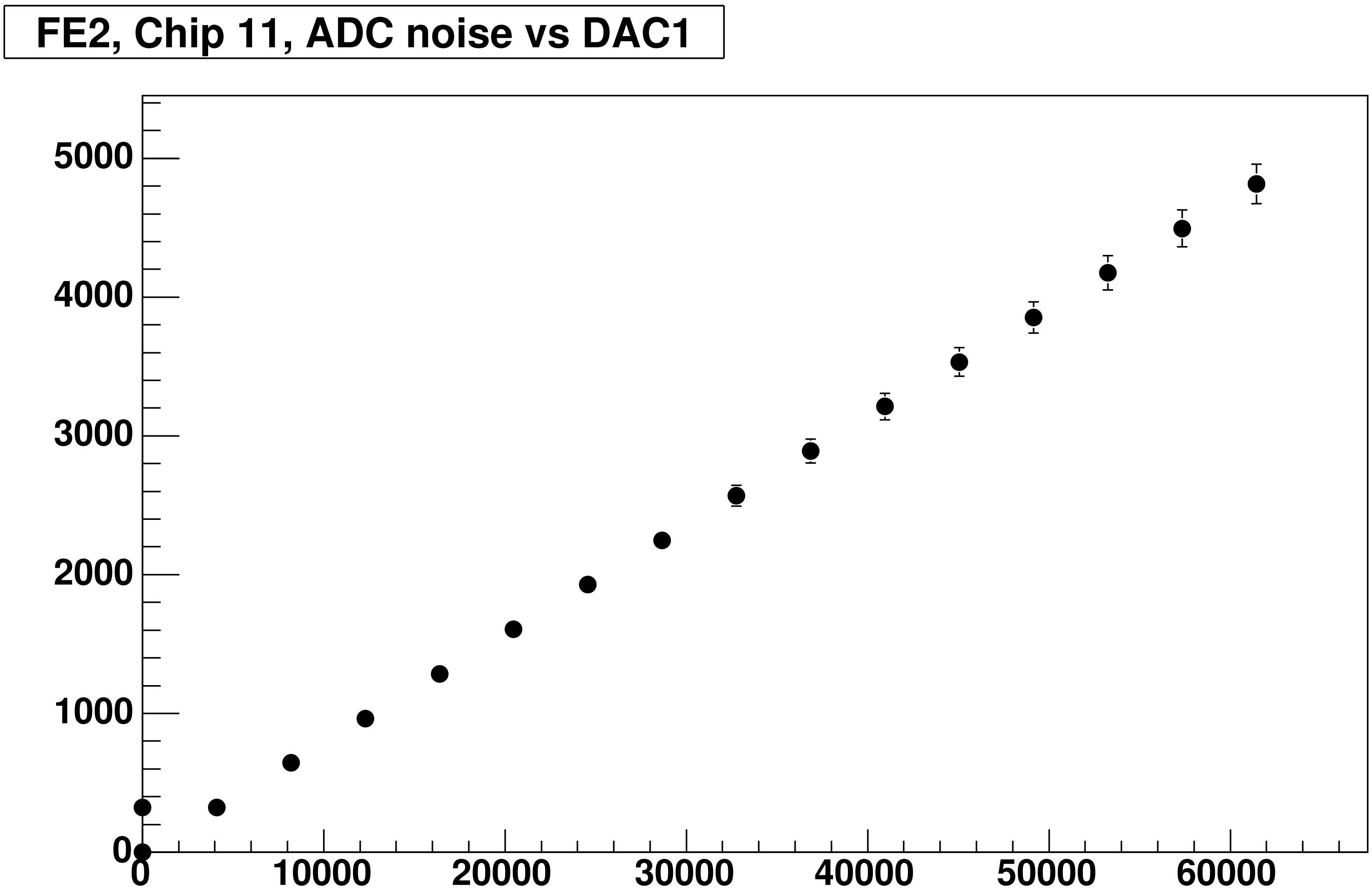


FE2, Chip 11, ADC mean vs DAC0
χ2 / ndf 2.935e-06 / 11
p0 175.2 ± 41.88
p1 0.01407 ± 0.001888
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

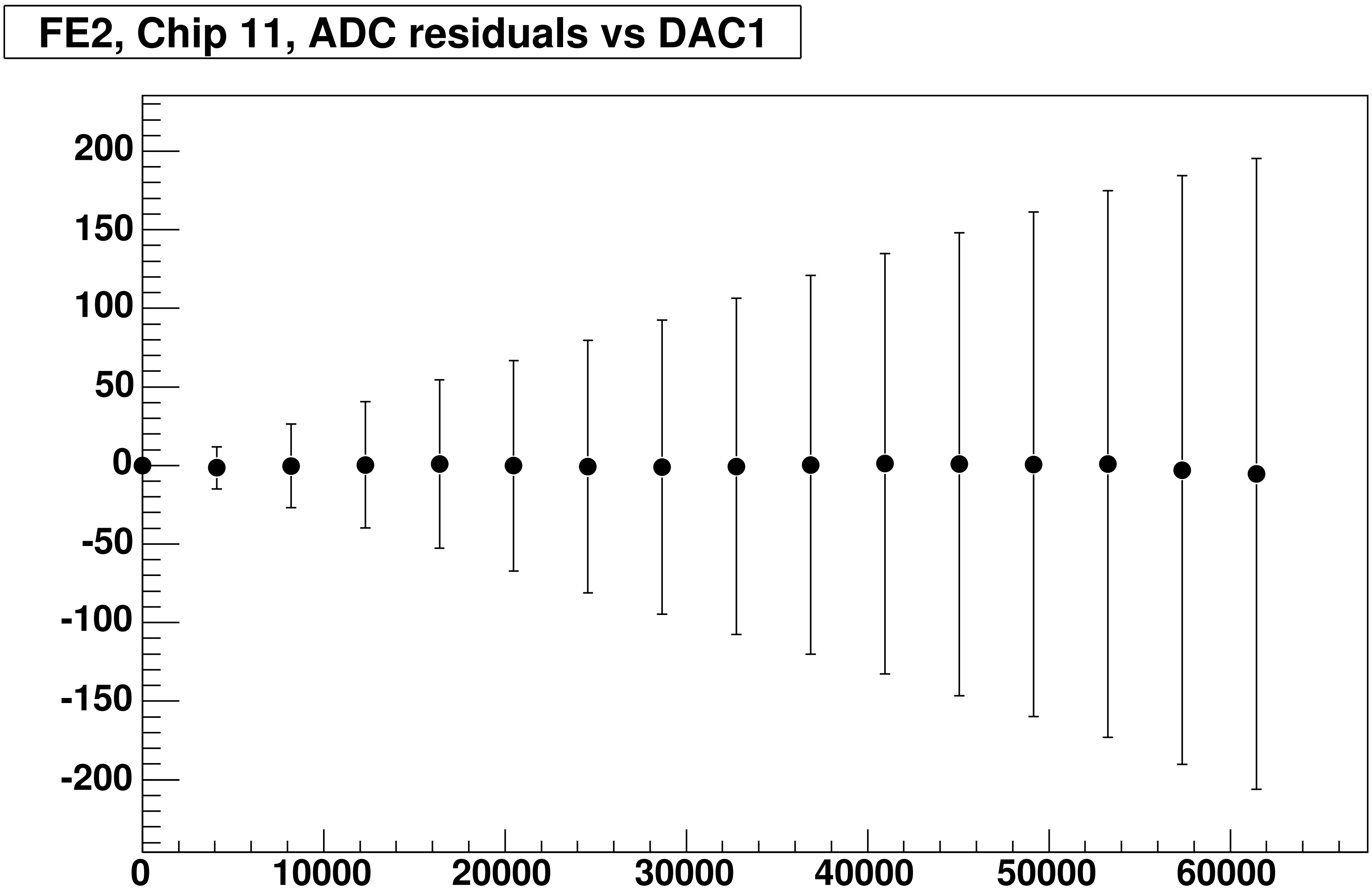

FE2, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

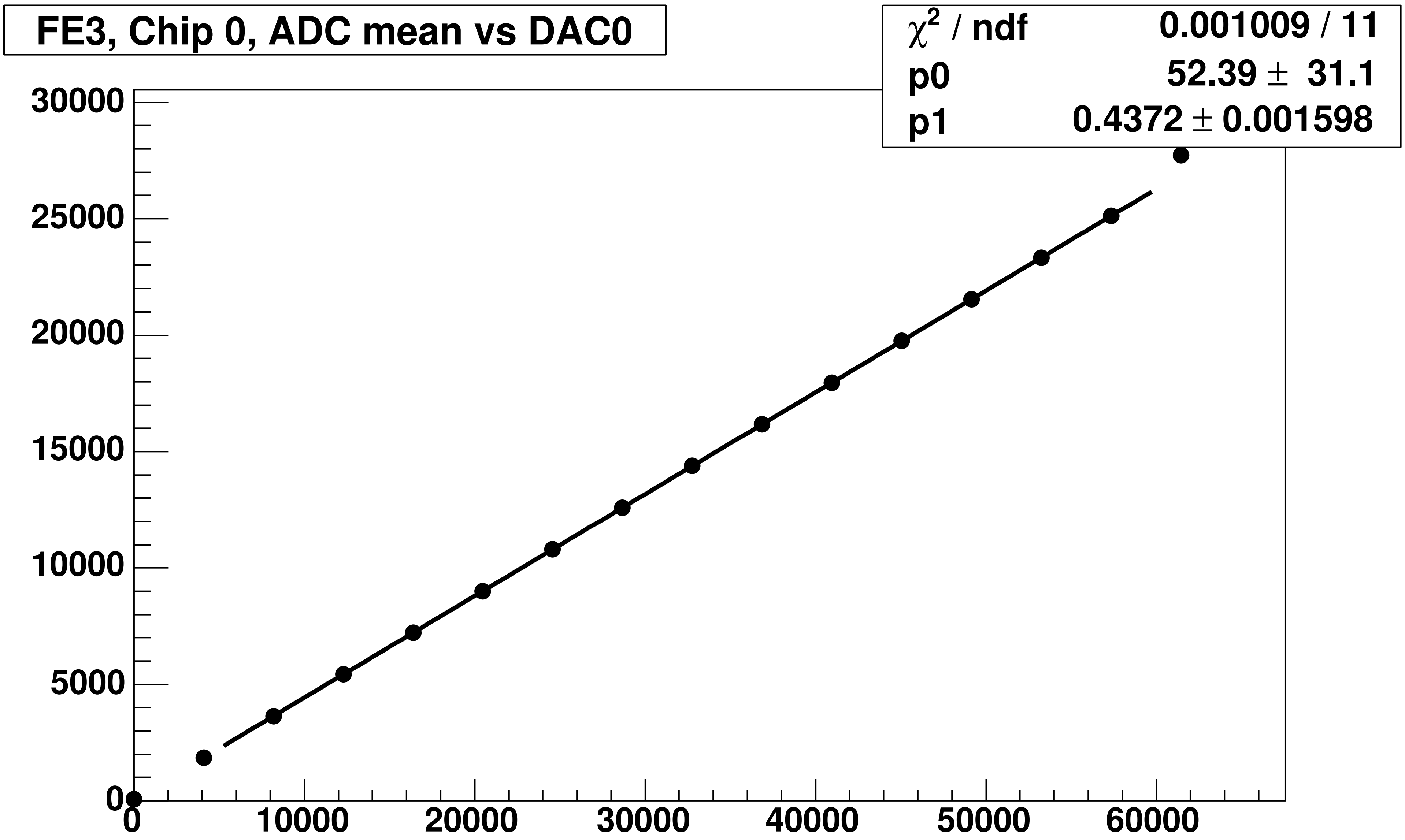

FE2, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

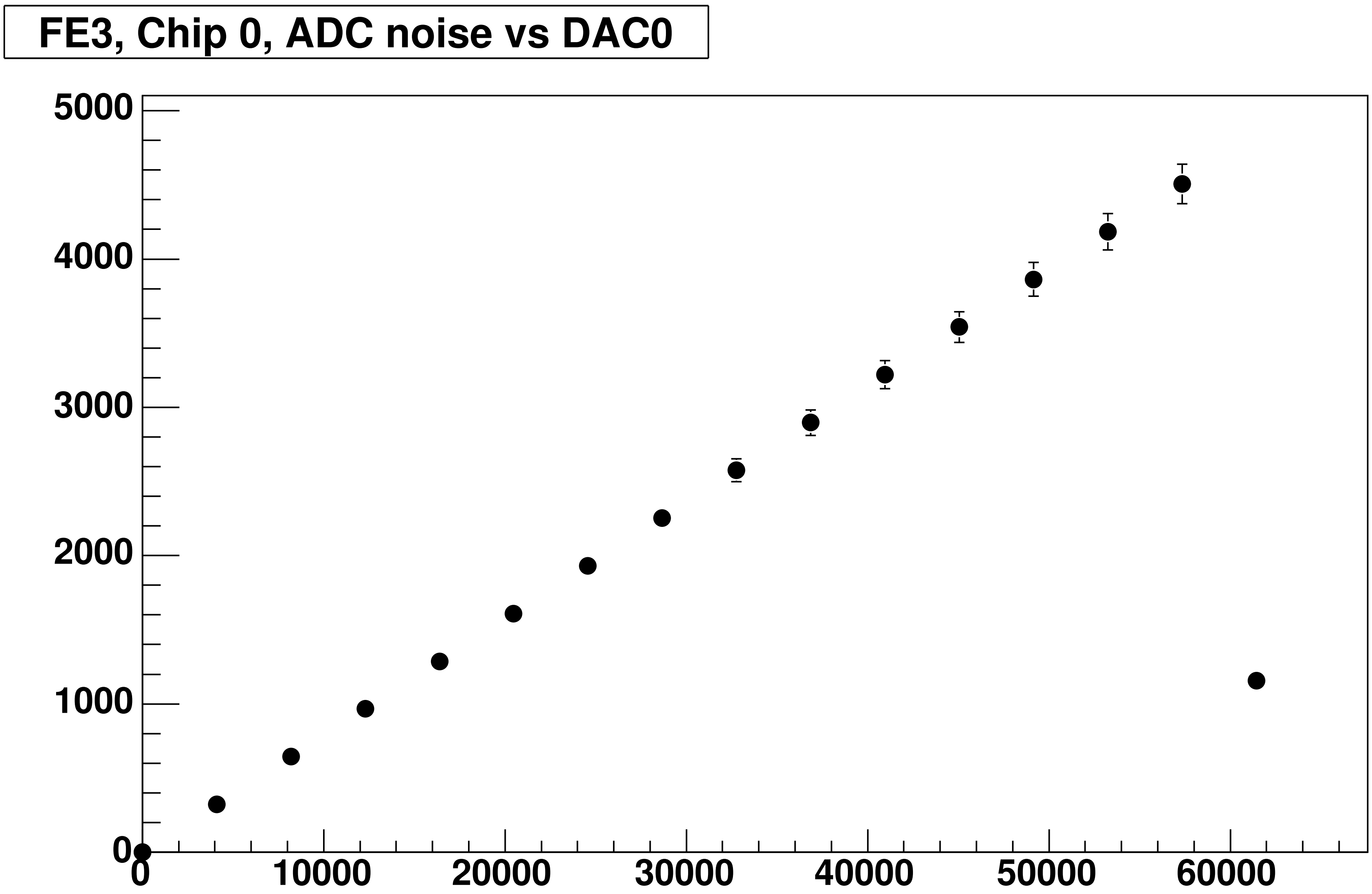

FE2, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.001134 / 11
p0 119.6 ± 31.03
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



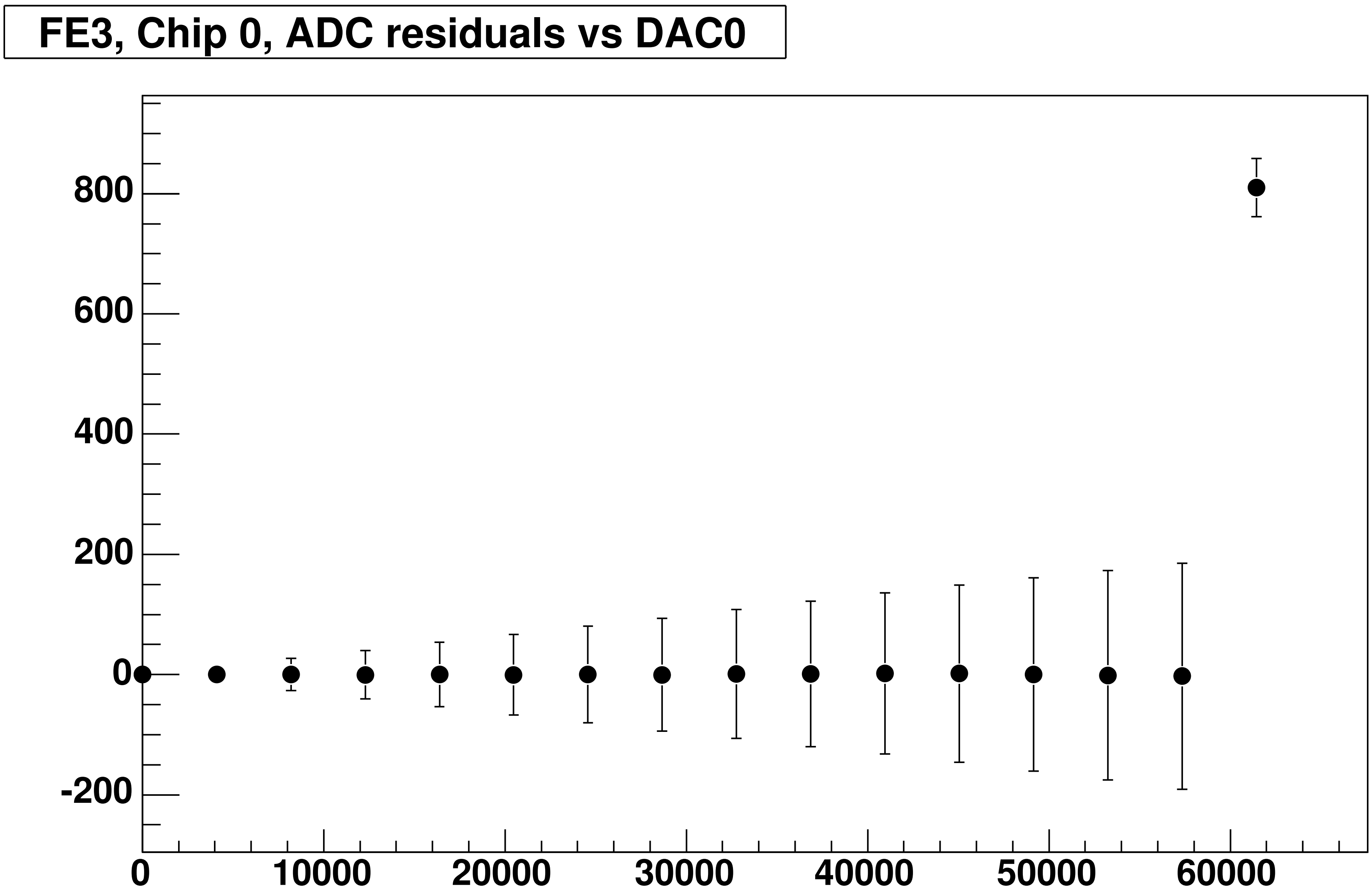
FE2, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

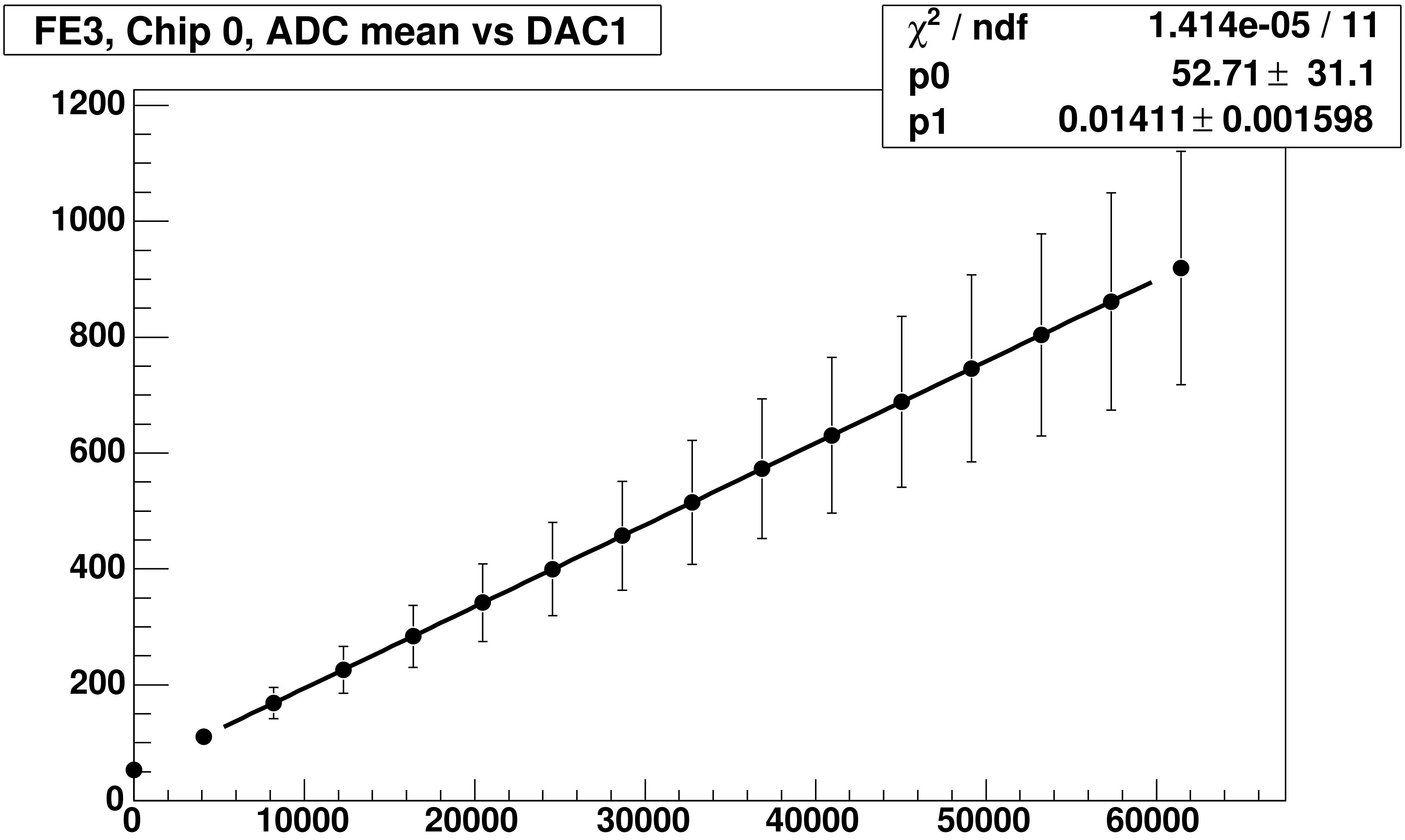

FE2, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

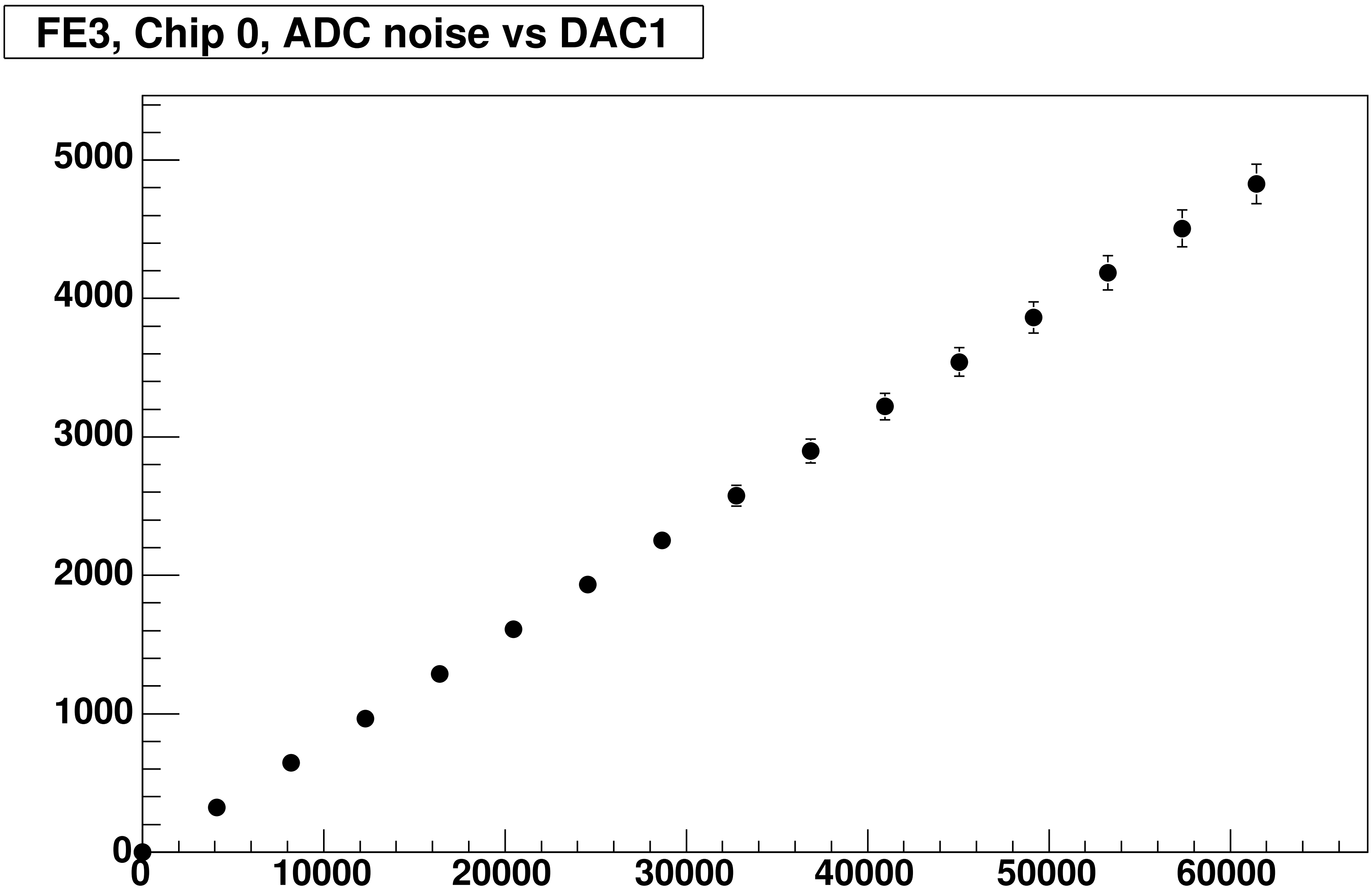

FE3, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001009 / 11
p0 52.39 ± 31.1
p1 0.4372 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

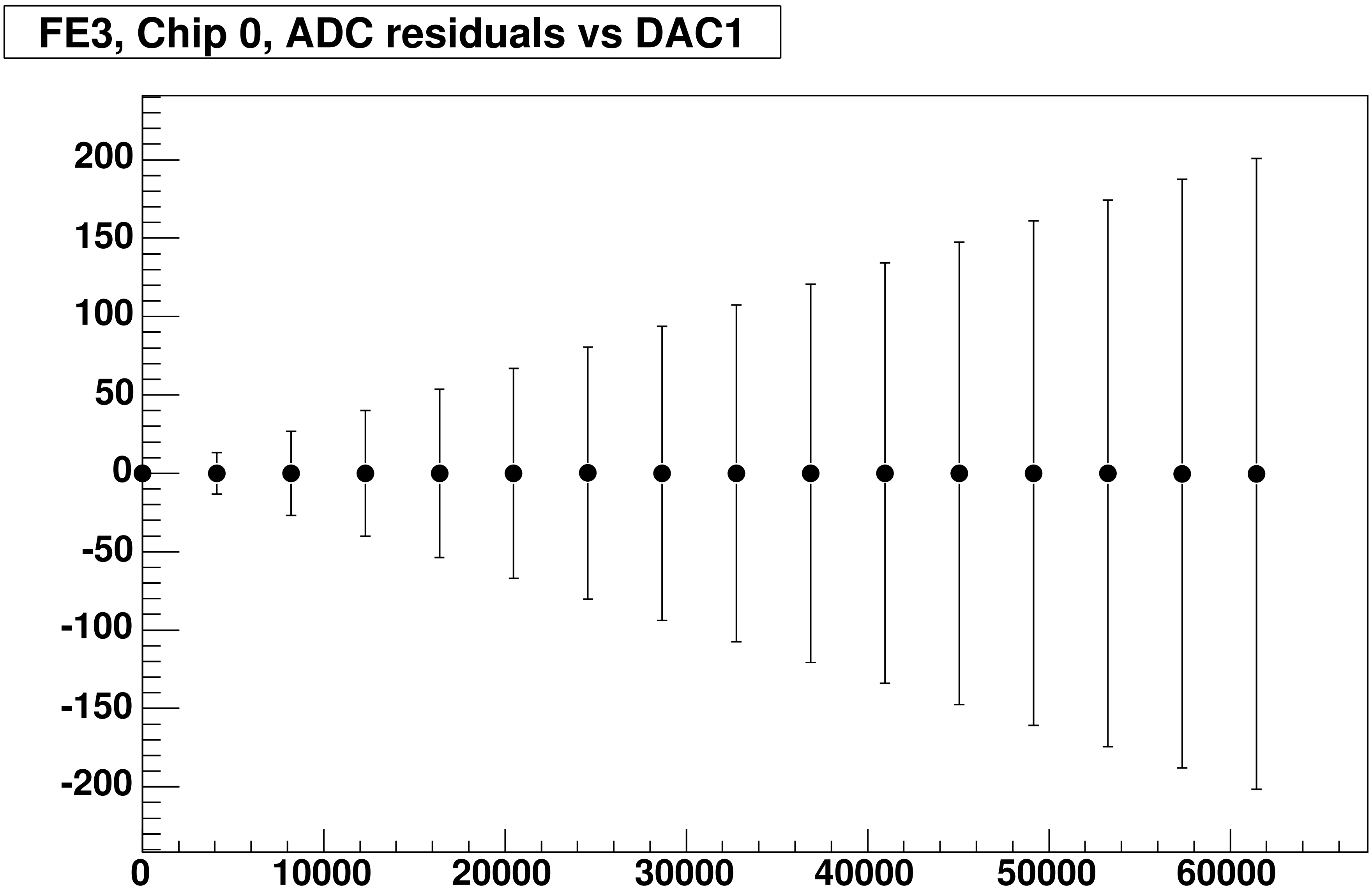


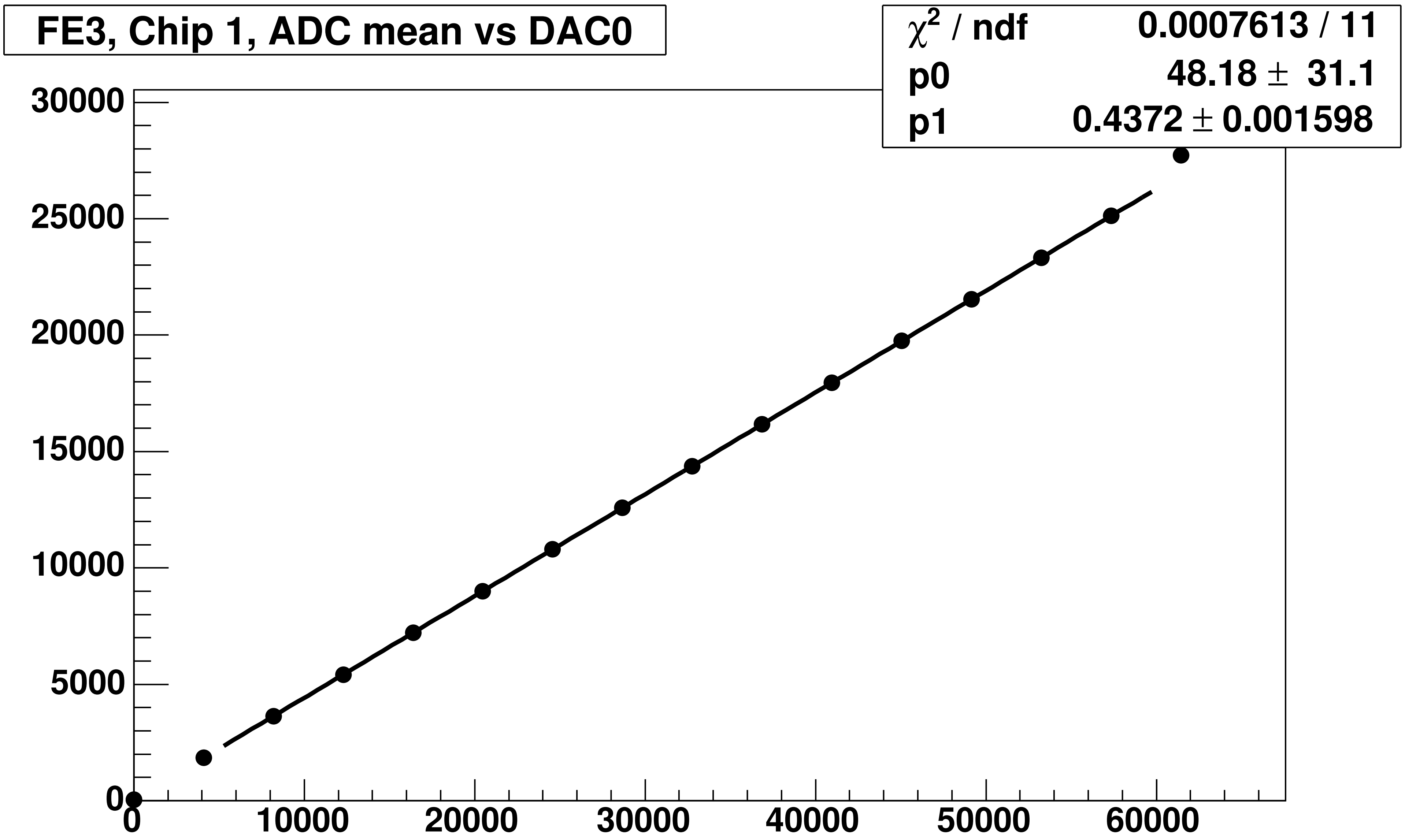
FE3, Chip 0, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

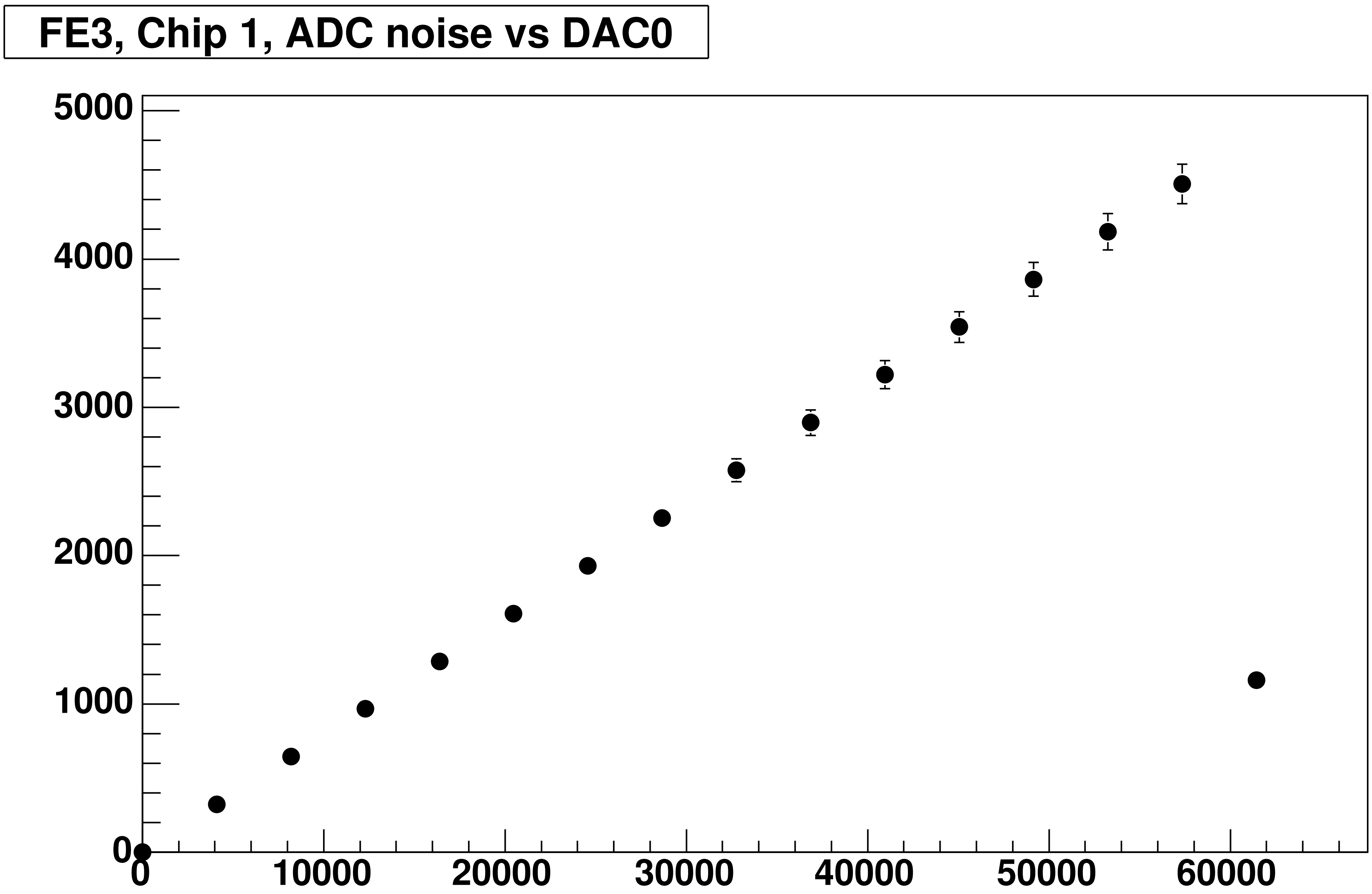

FE3, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

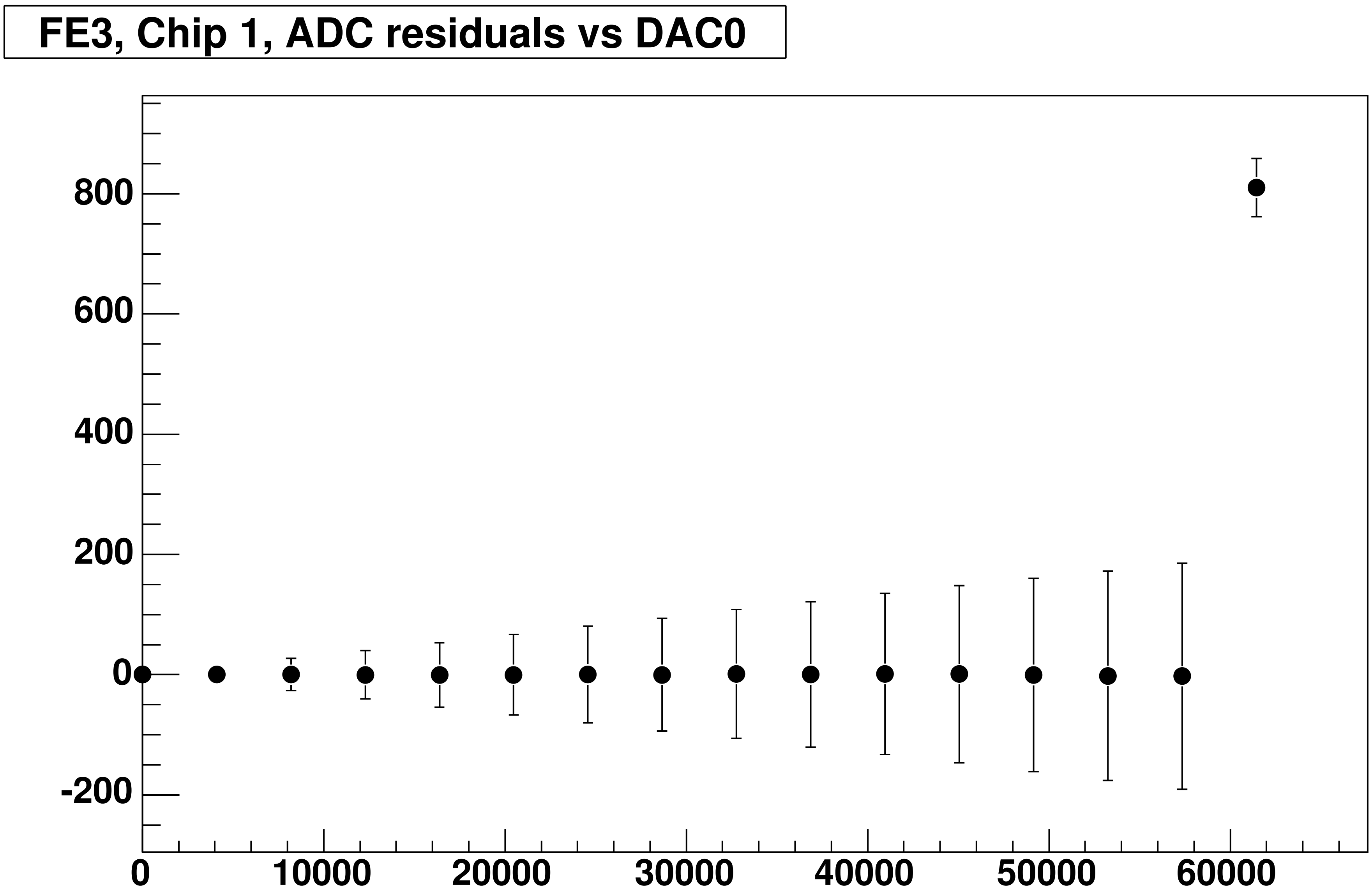

FE3, Chip 0, ADC mean vs DAC1
χ^2 / ndf 1.414e-05 / 11
p0 52.71 ± 31.1
p1 0.01411 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


FE3, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

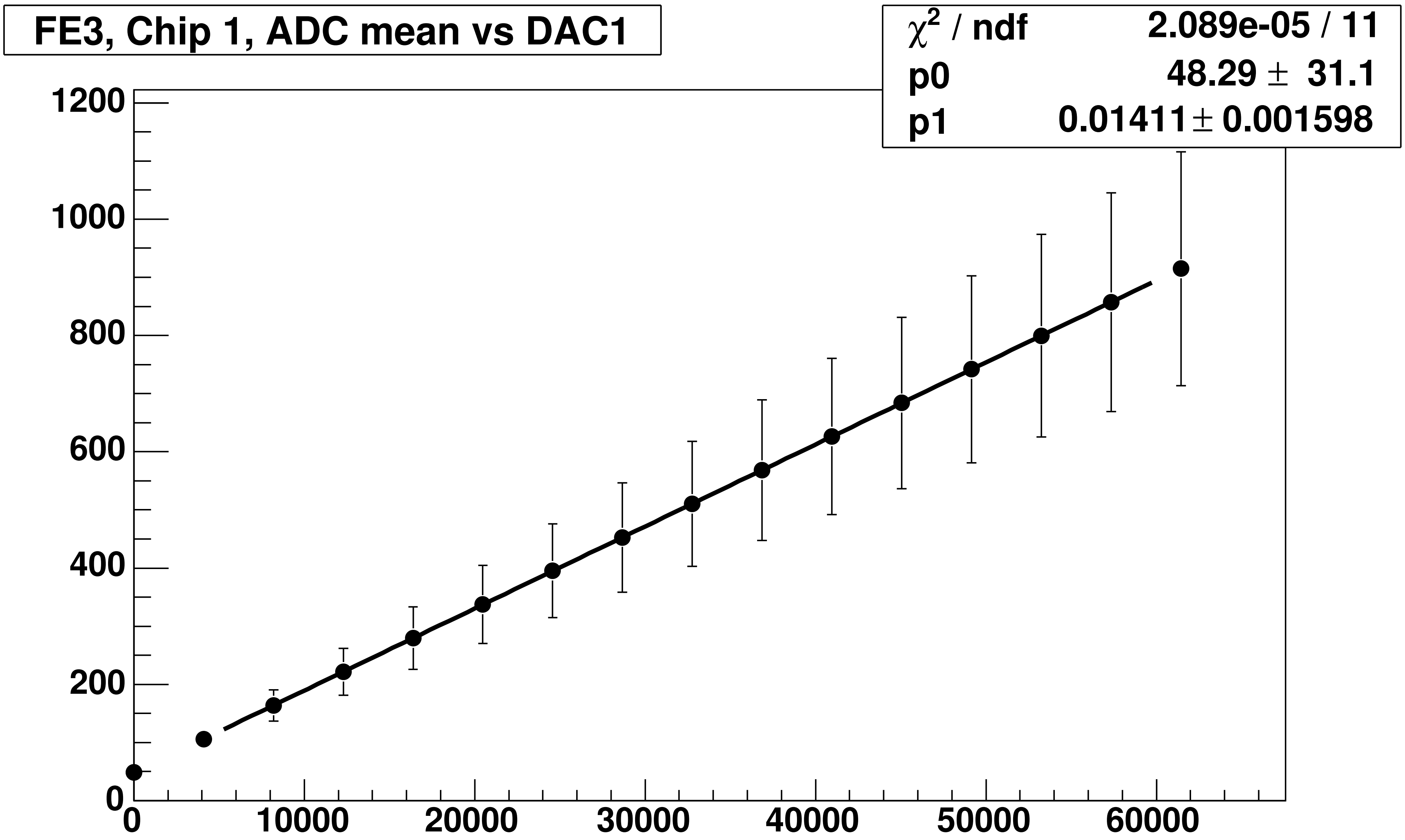

FE3, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE3, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.0007613 / 11
p0 48.18 ± 31.1
p1 0.4372 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

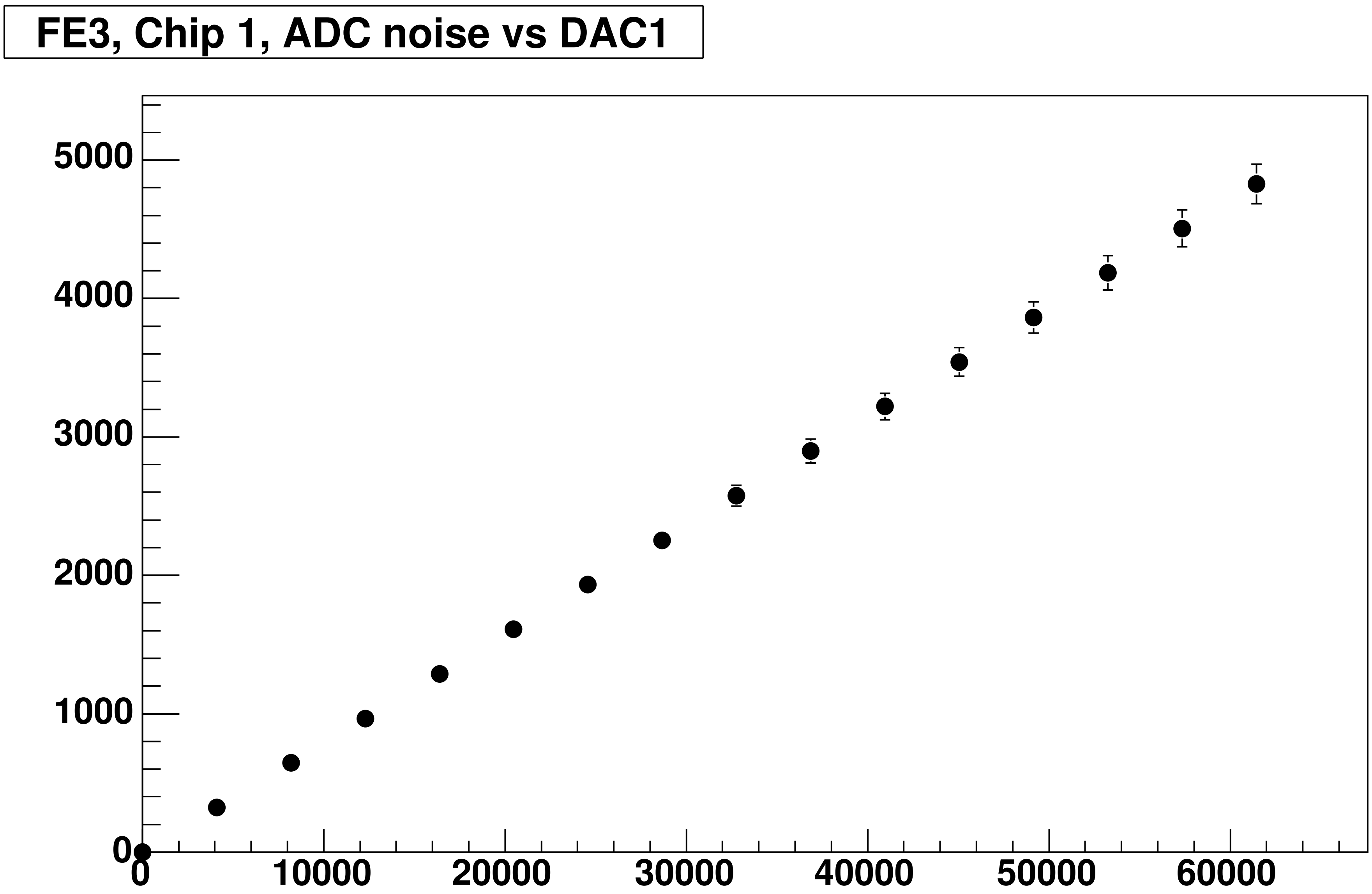

FE3, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



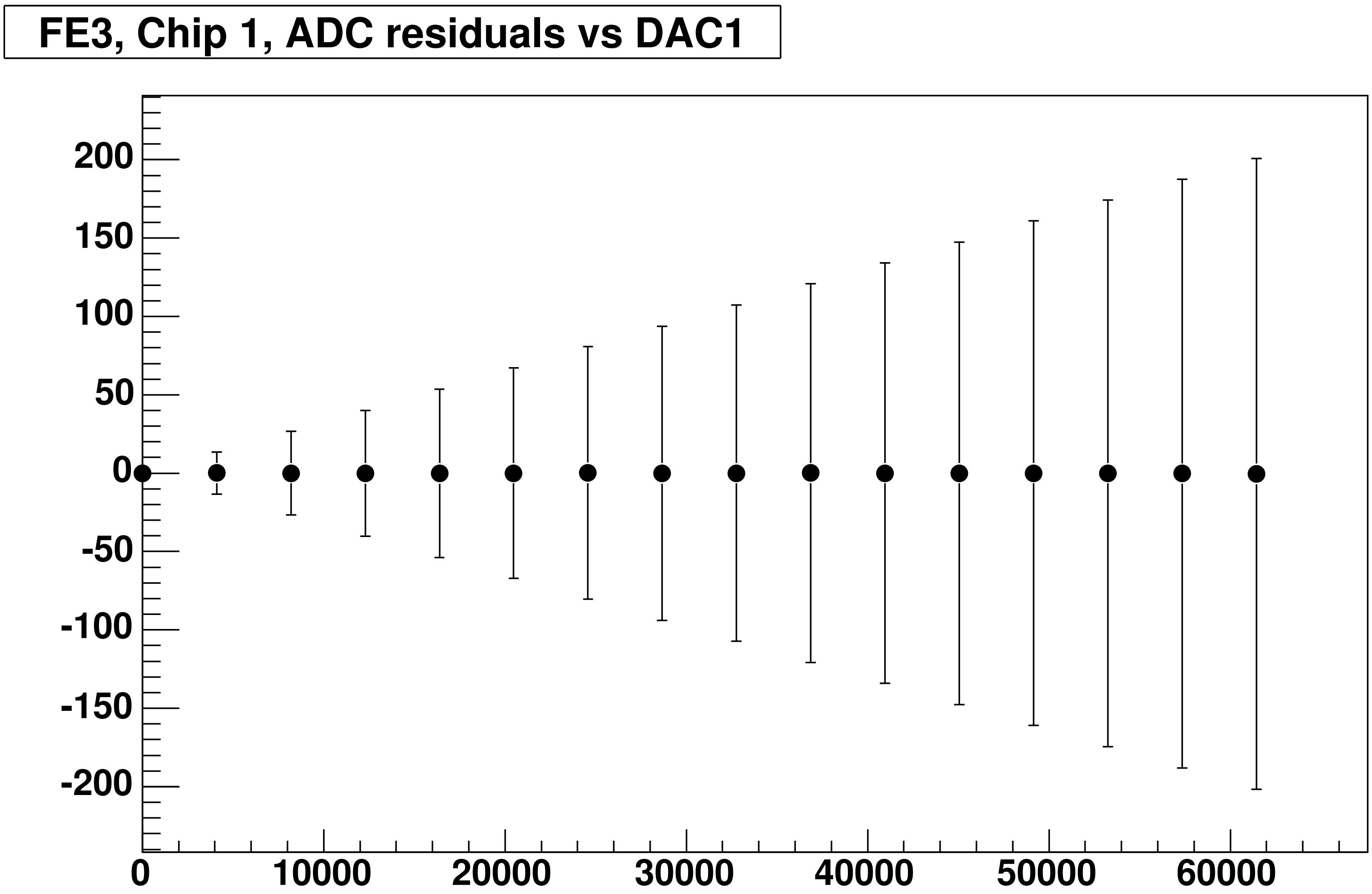
FE3, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

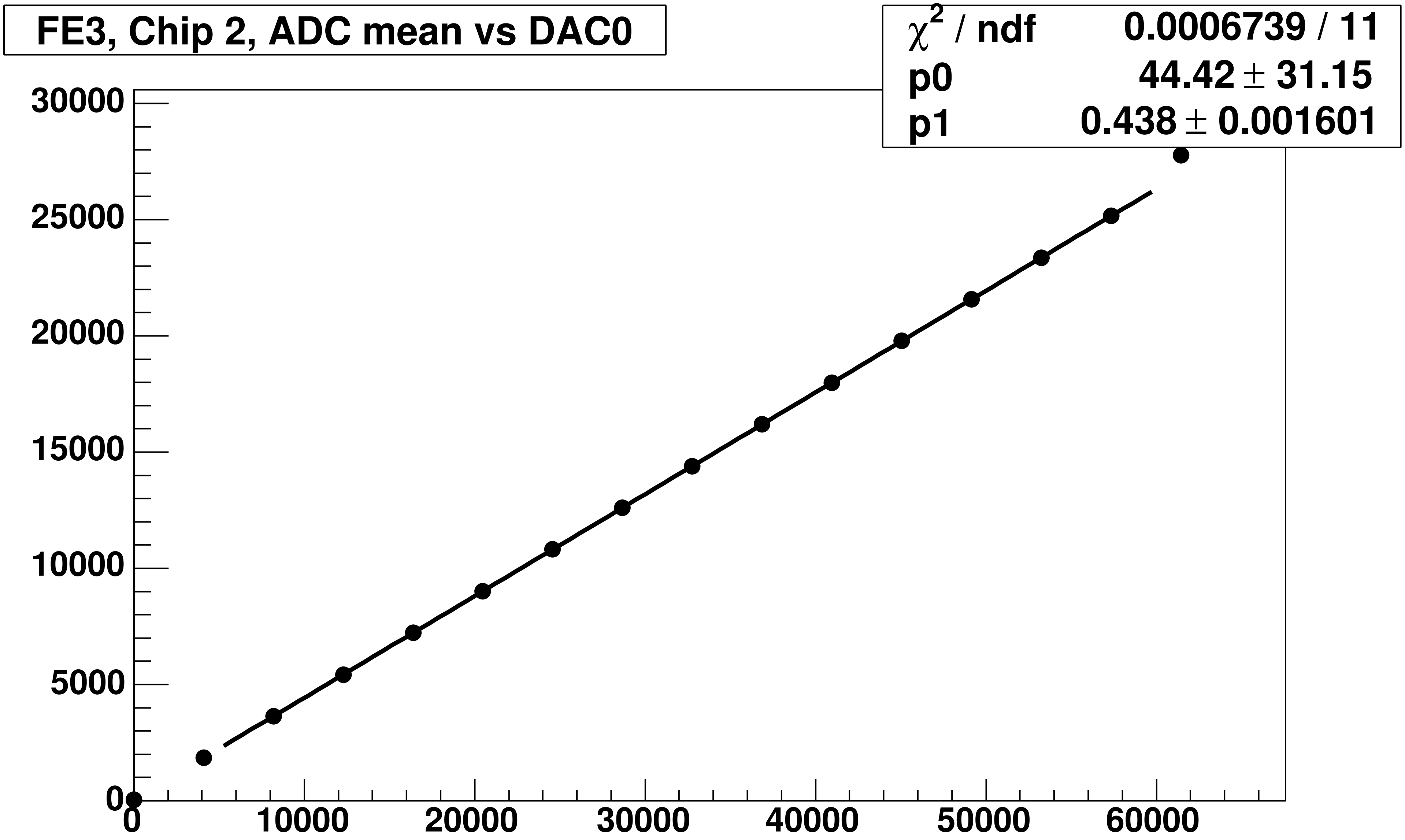


FE3, Chip 1, ADC mean vs DAC1
χ^2 / ndf 2.089e-05 / 11
p0 48.29 ± 31.1
p1 0.01411 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

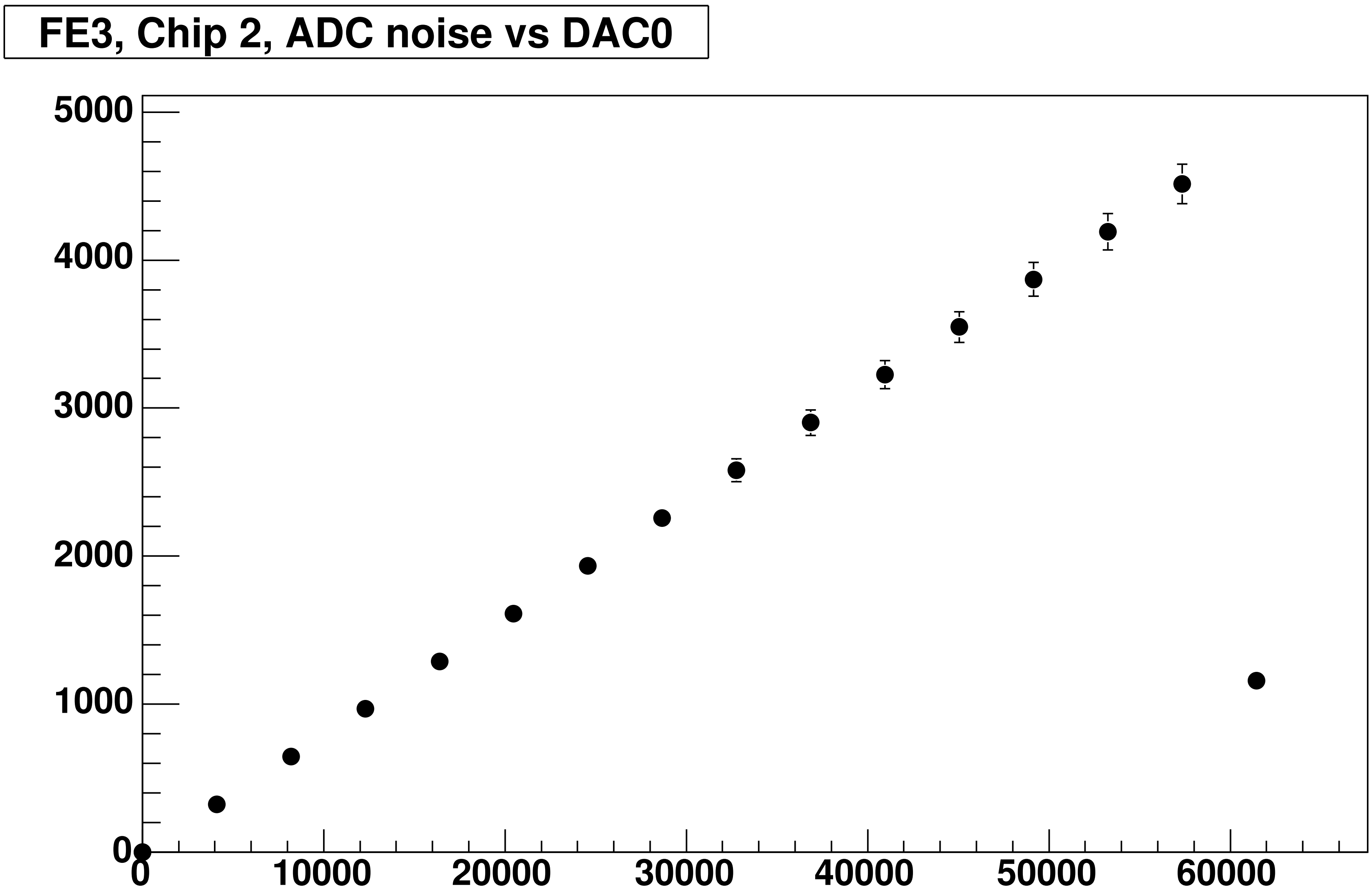


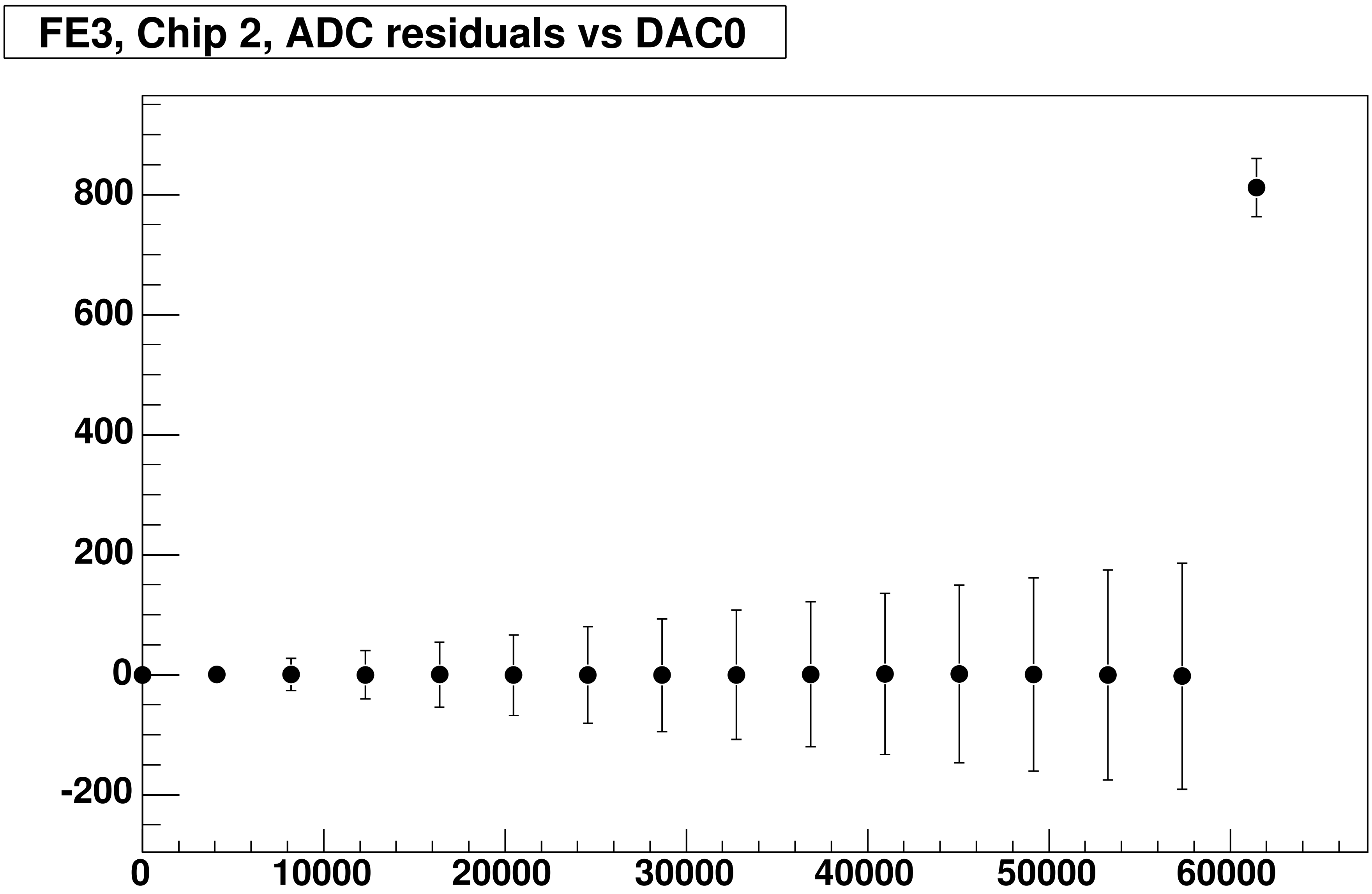
FE3, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

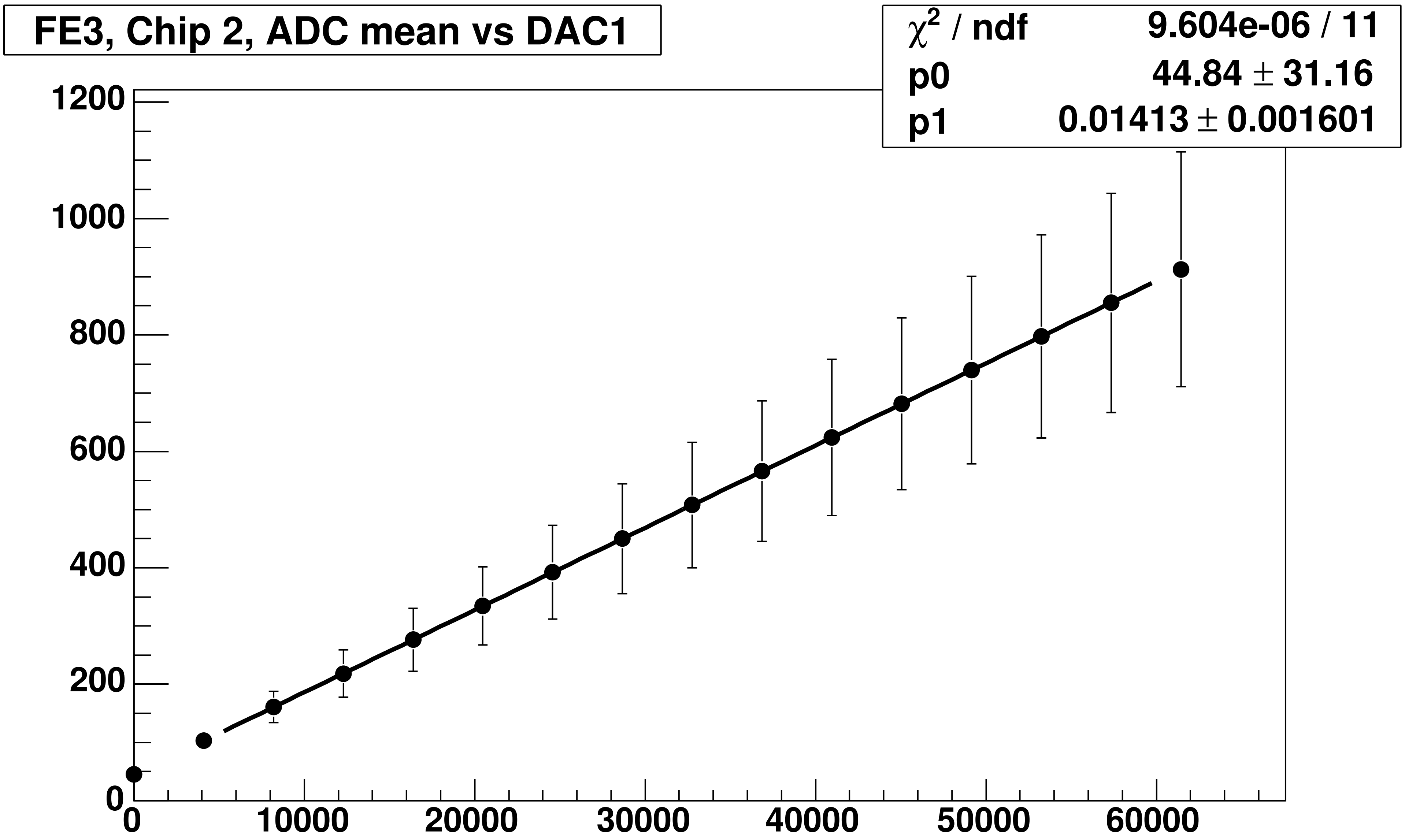

FE3, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



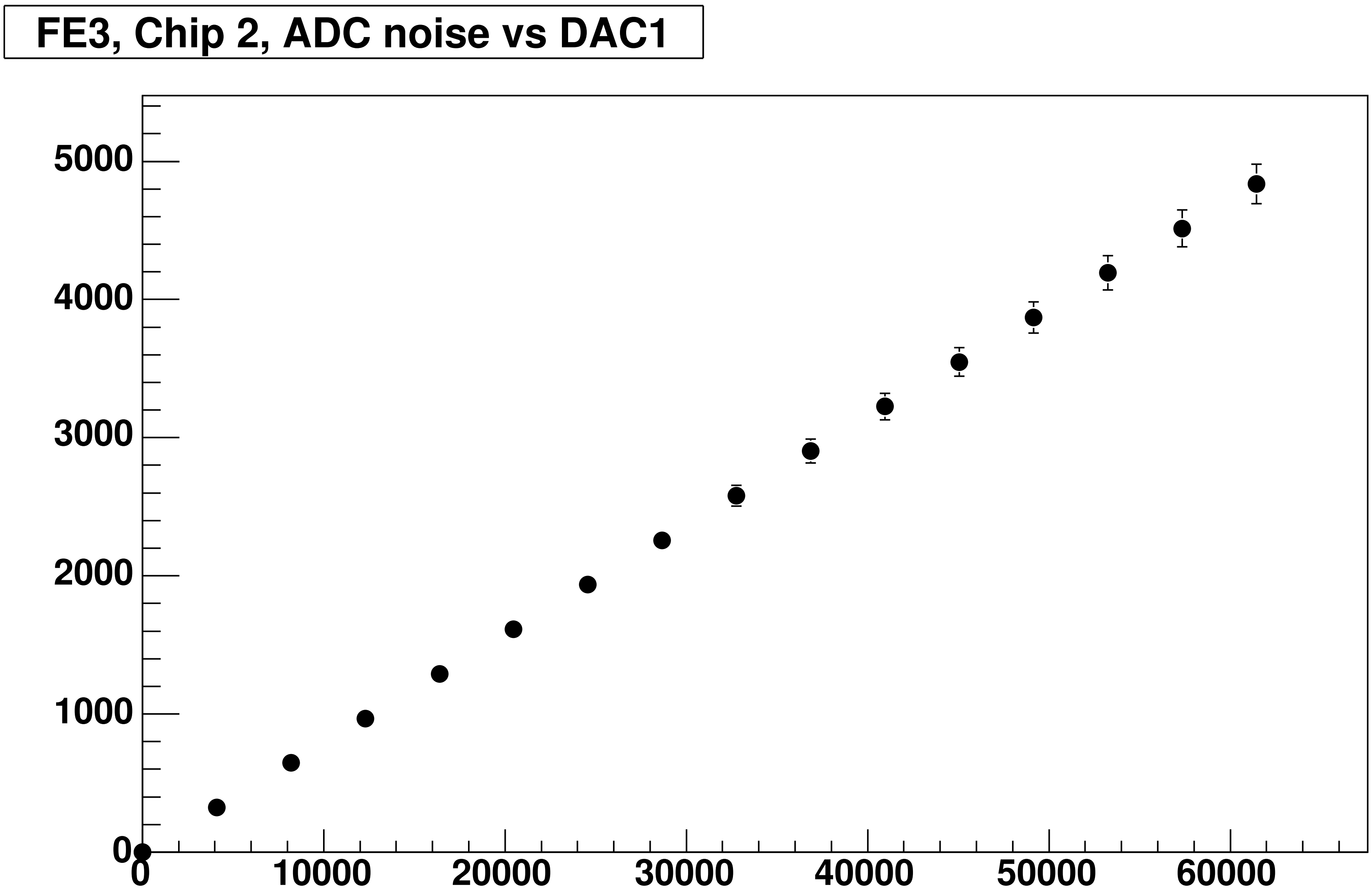
FE3, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.0006739 / 11
p0 44.42 ± 31.15
p1 0.438 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

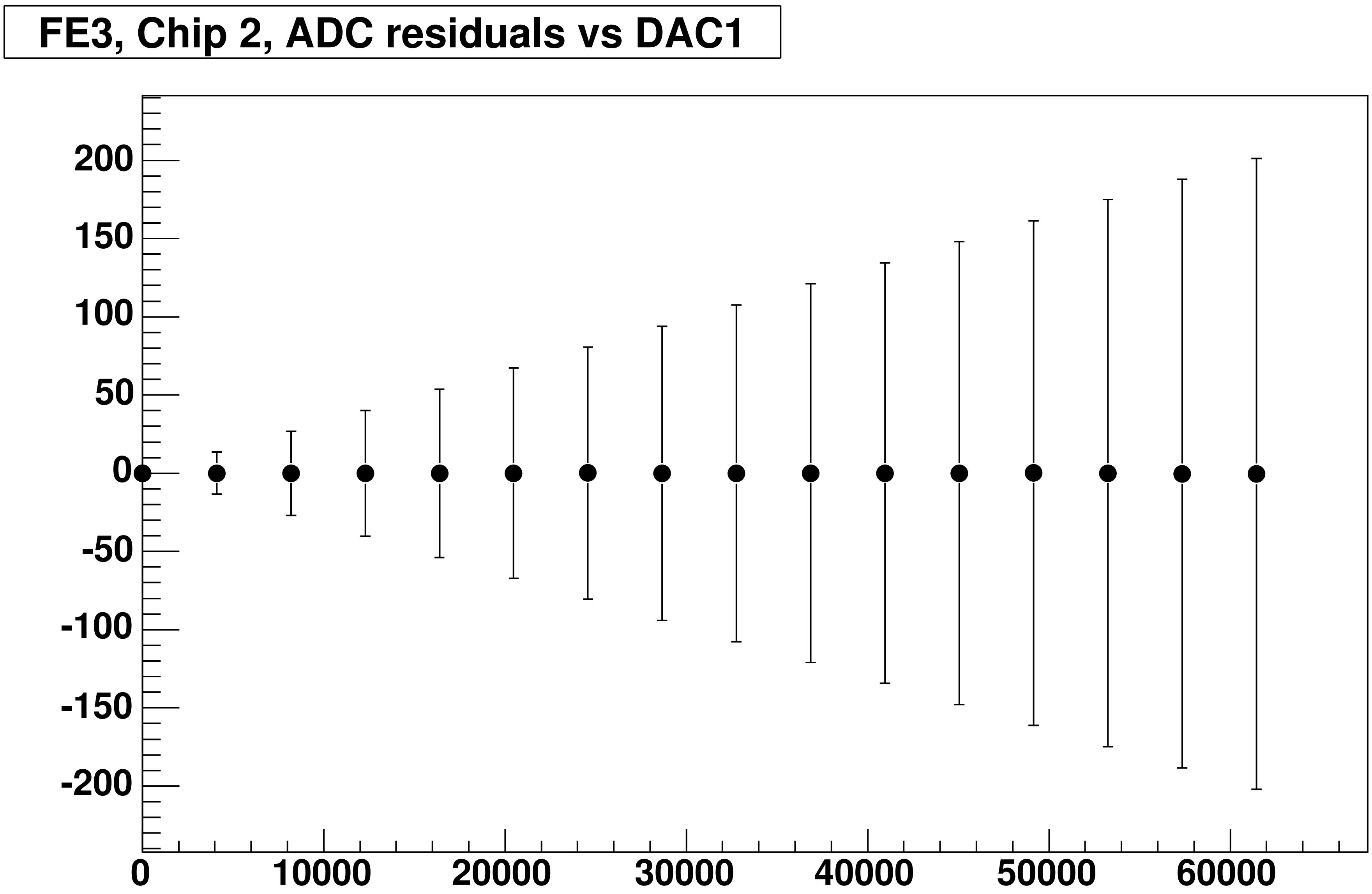

FE3, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



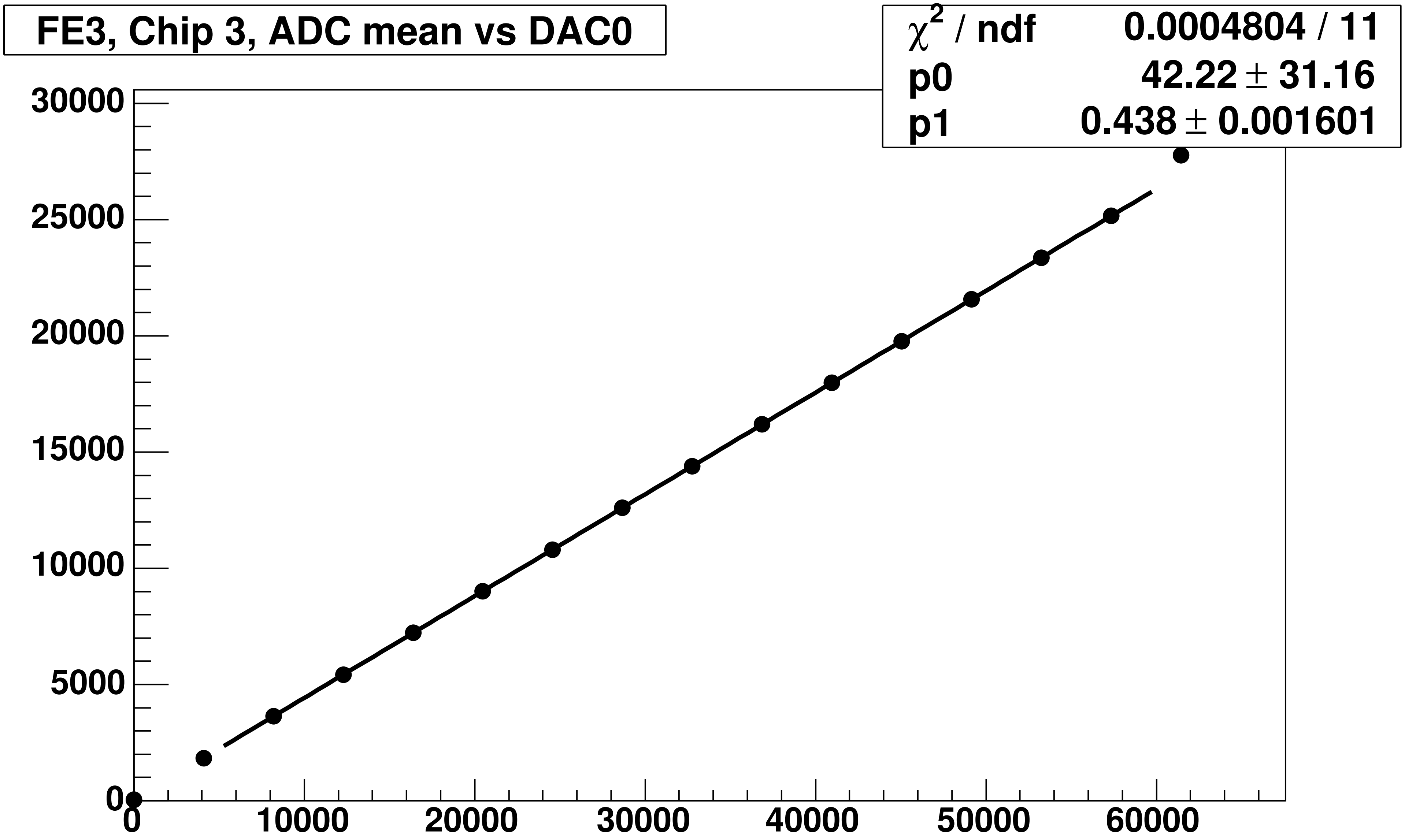
FE3, Chip 2, ADC mean vs DAC1
χ^2 / ndf 9.604e-06 / 11
p0 44.84 ± 31.16
p1 0.01413 ± 0.001601
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



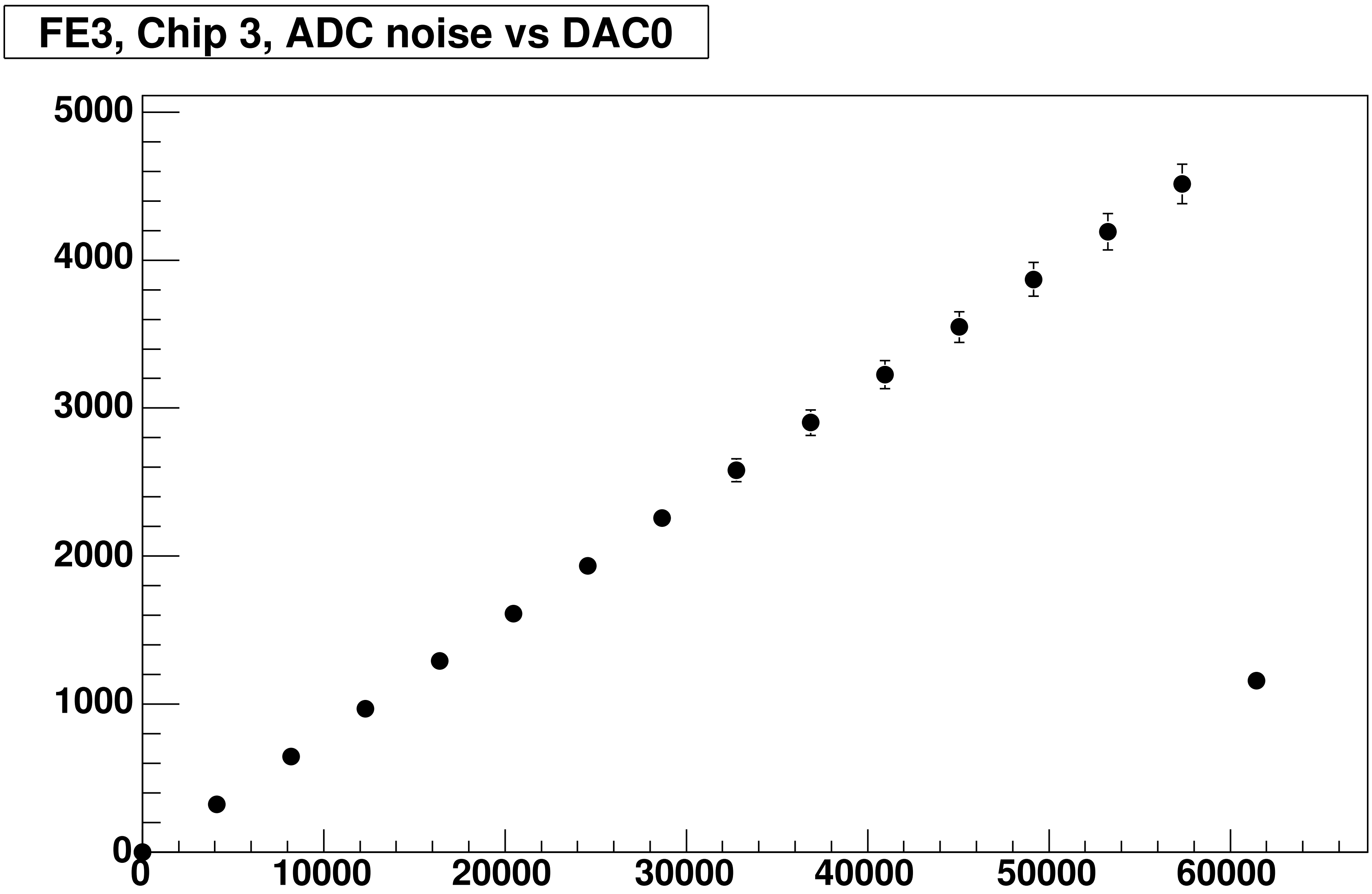
FE3, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

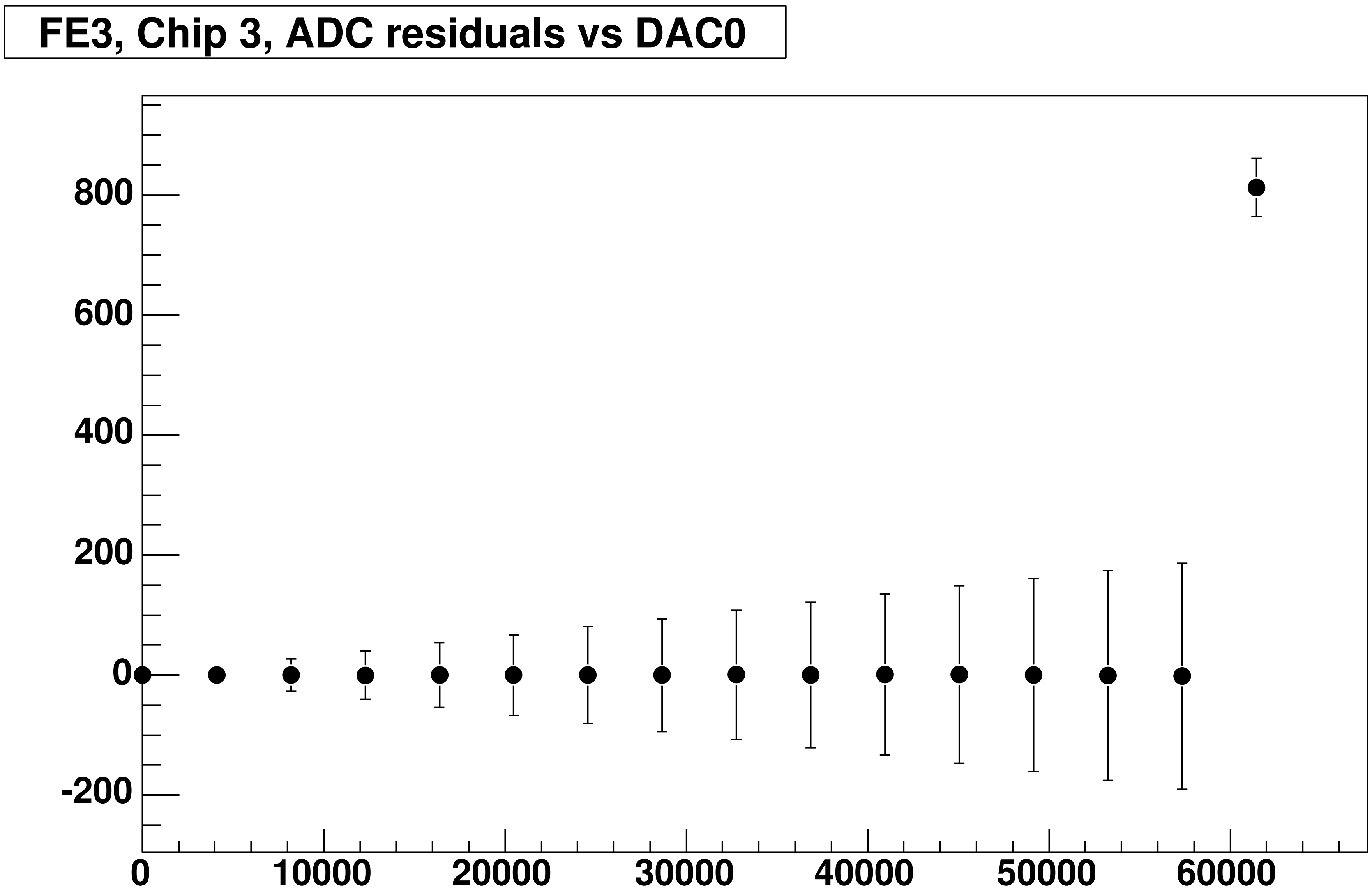


FE3, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

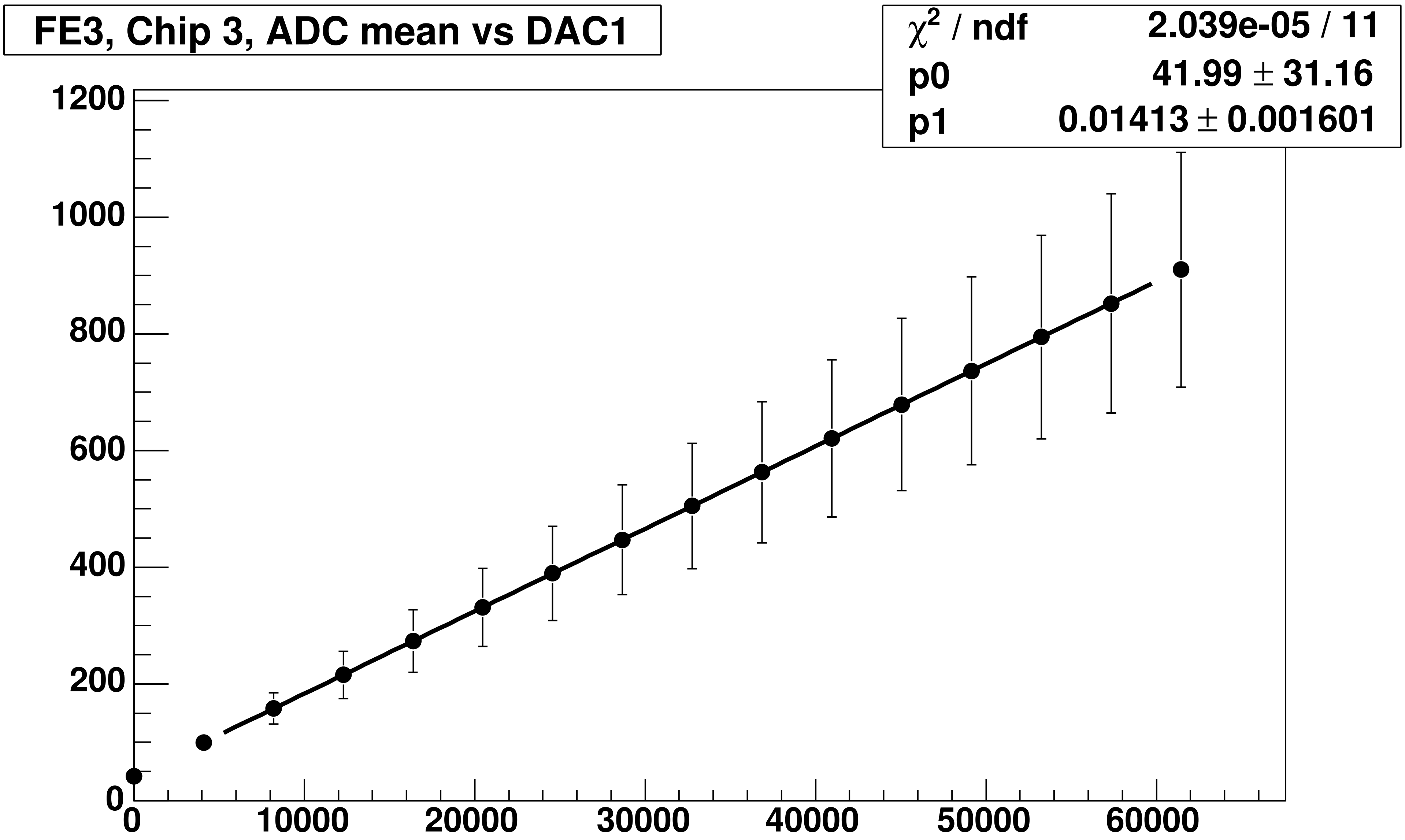


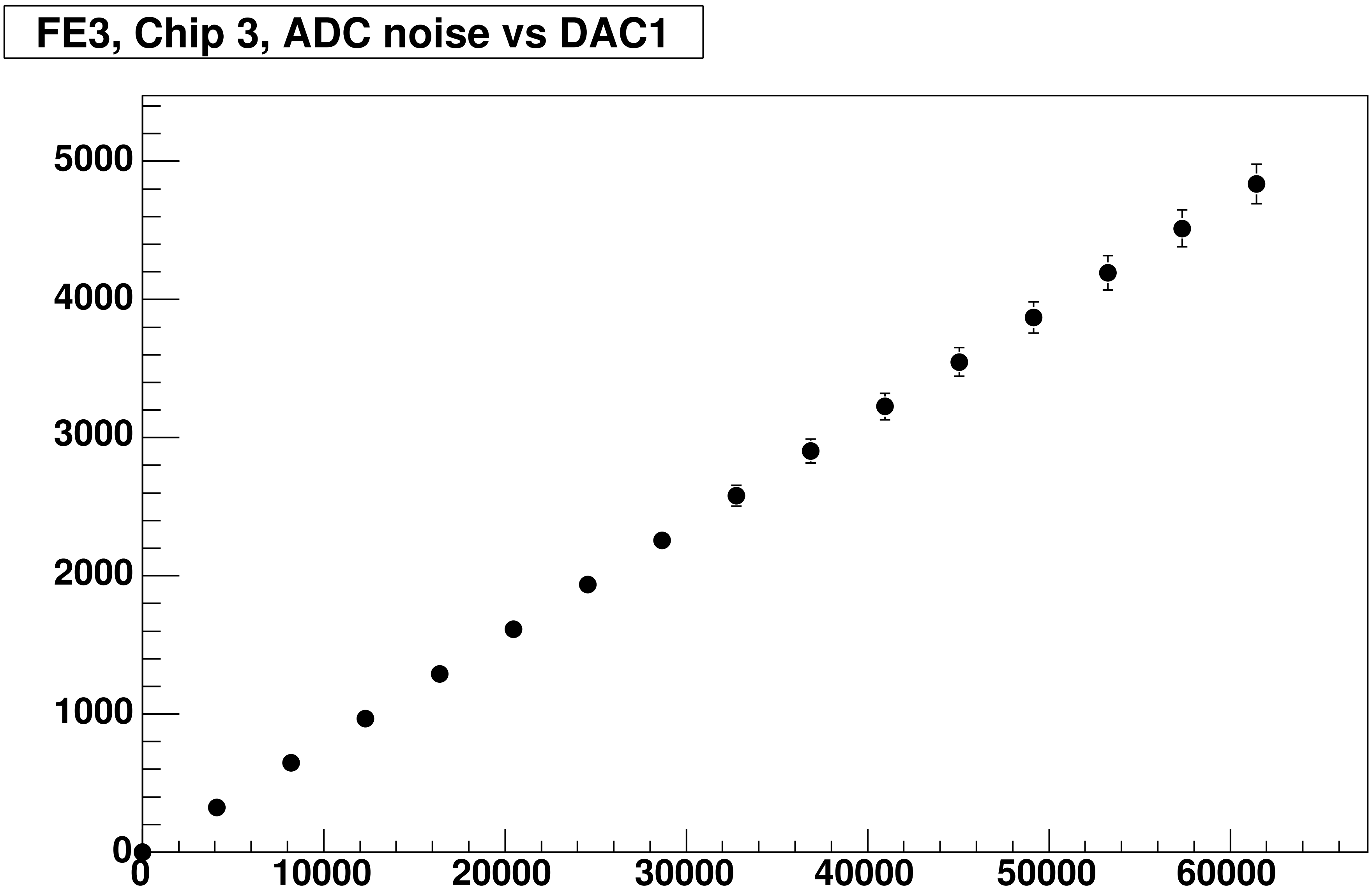
FE3, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.0004804 / 11
p0 42.22 ± 31.16
p1 0.438 ± 0.001601
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

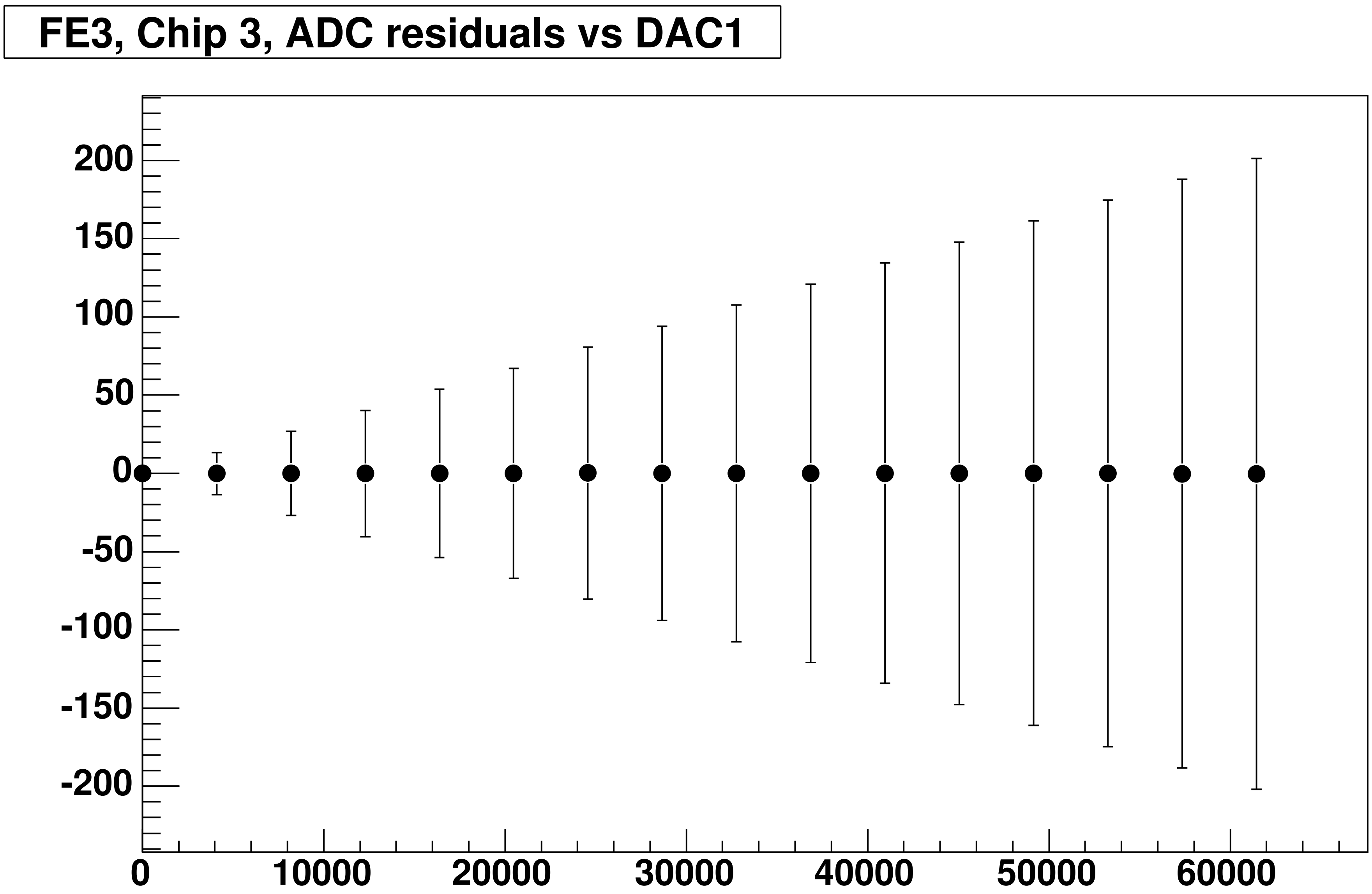

FE3, Chip 3, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

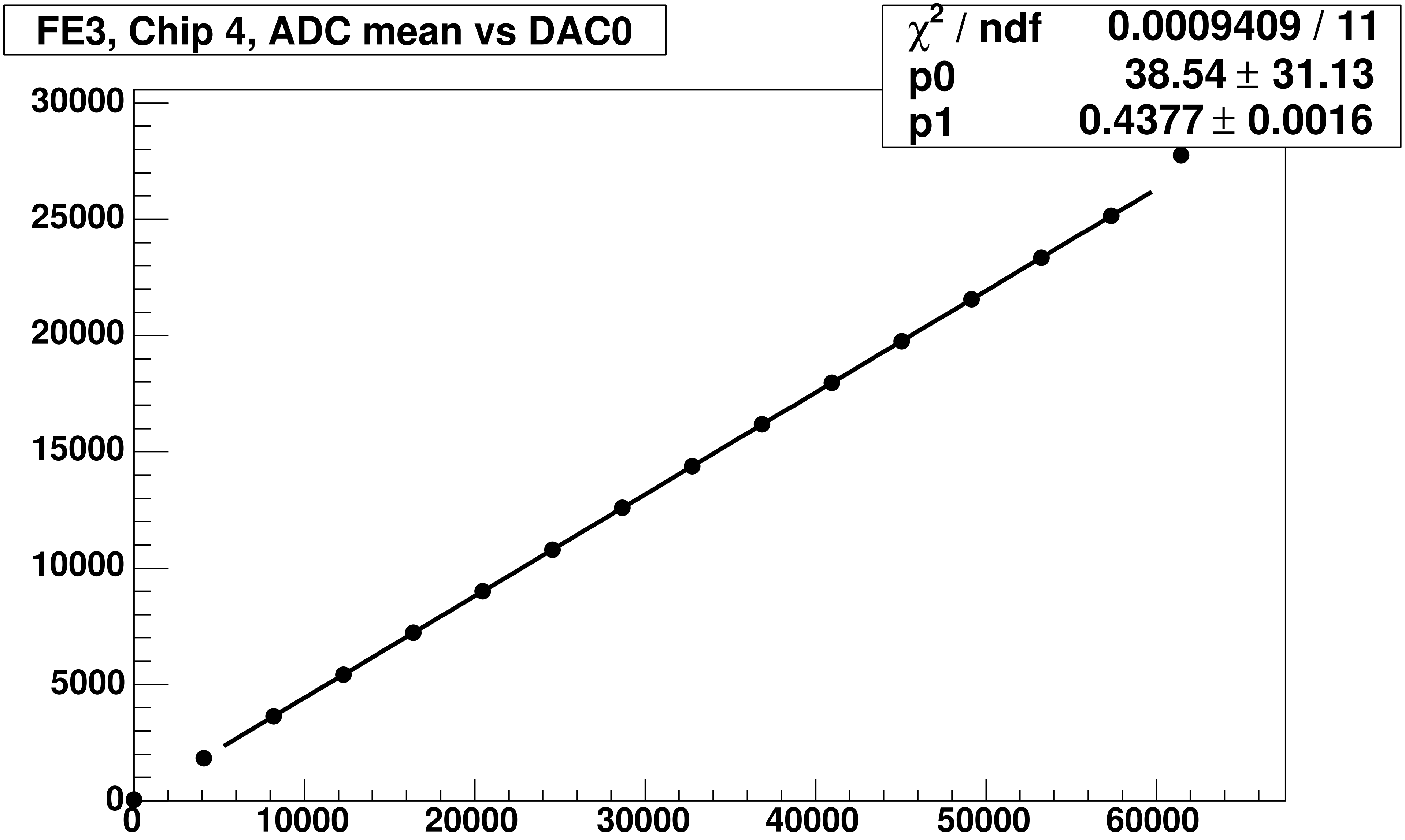


FE3, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

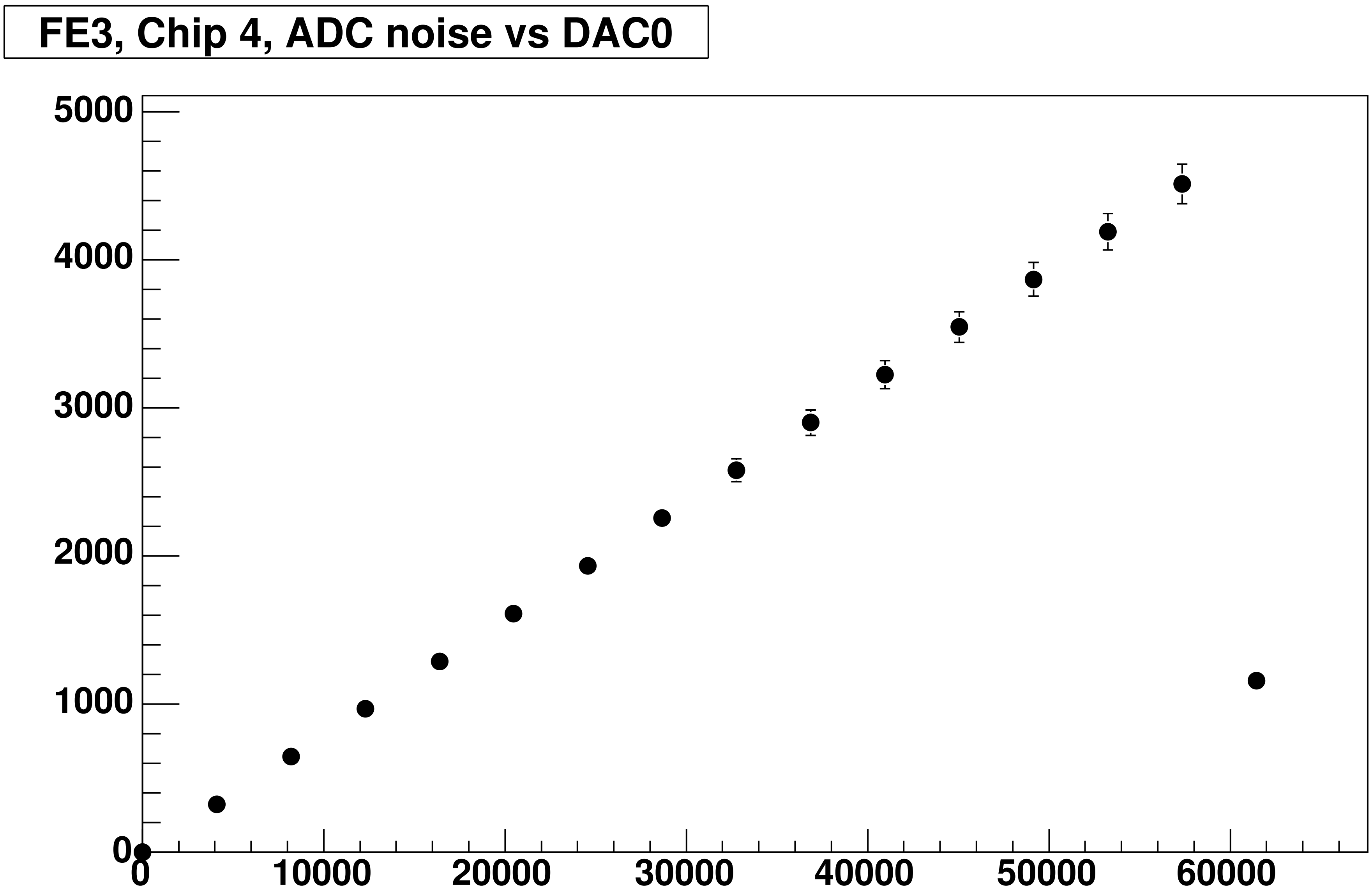

FE3, Chip 3, ADC mean vs DAC1
χ^2 / ndf 2.039e-05 / 11
p0 41.99 ± 31.16
p1 0.01413 ± 0.001601
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


FE3, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

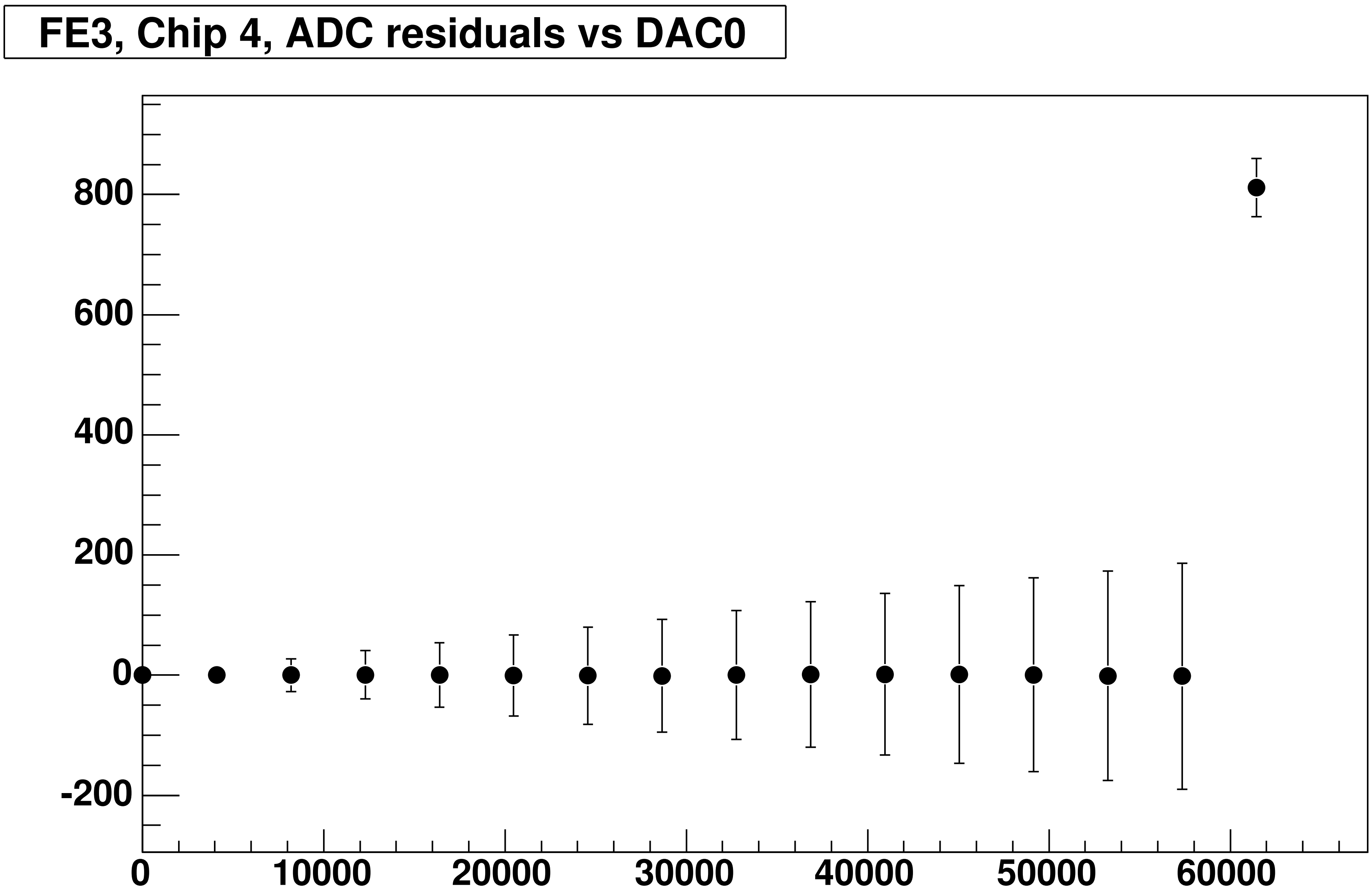

FE3, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

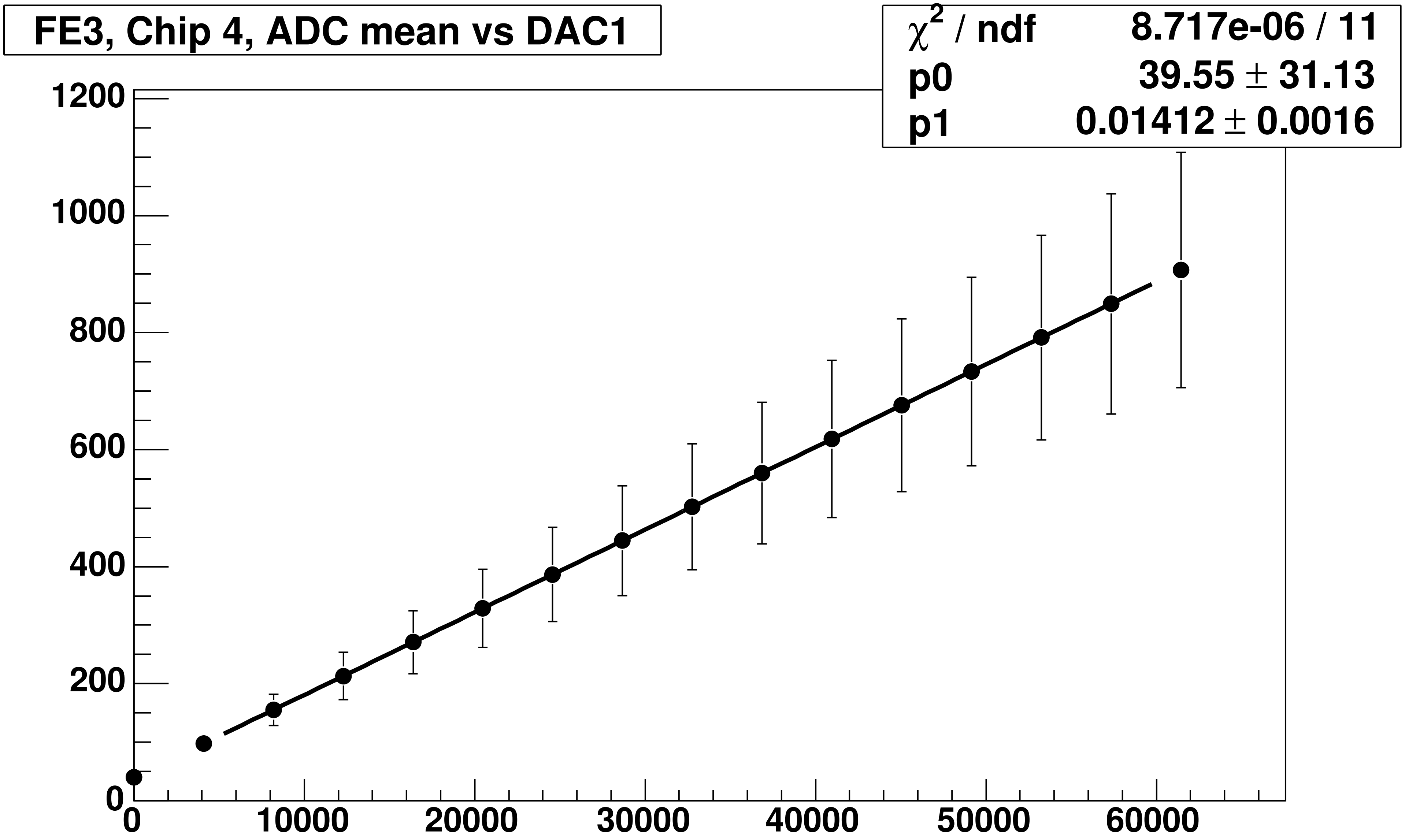


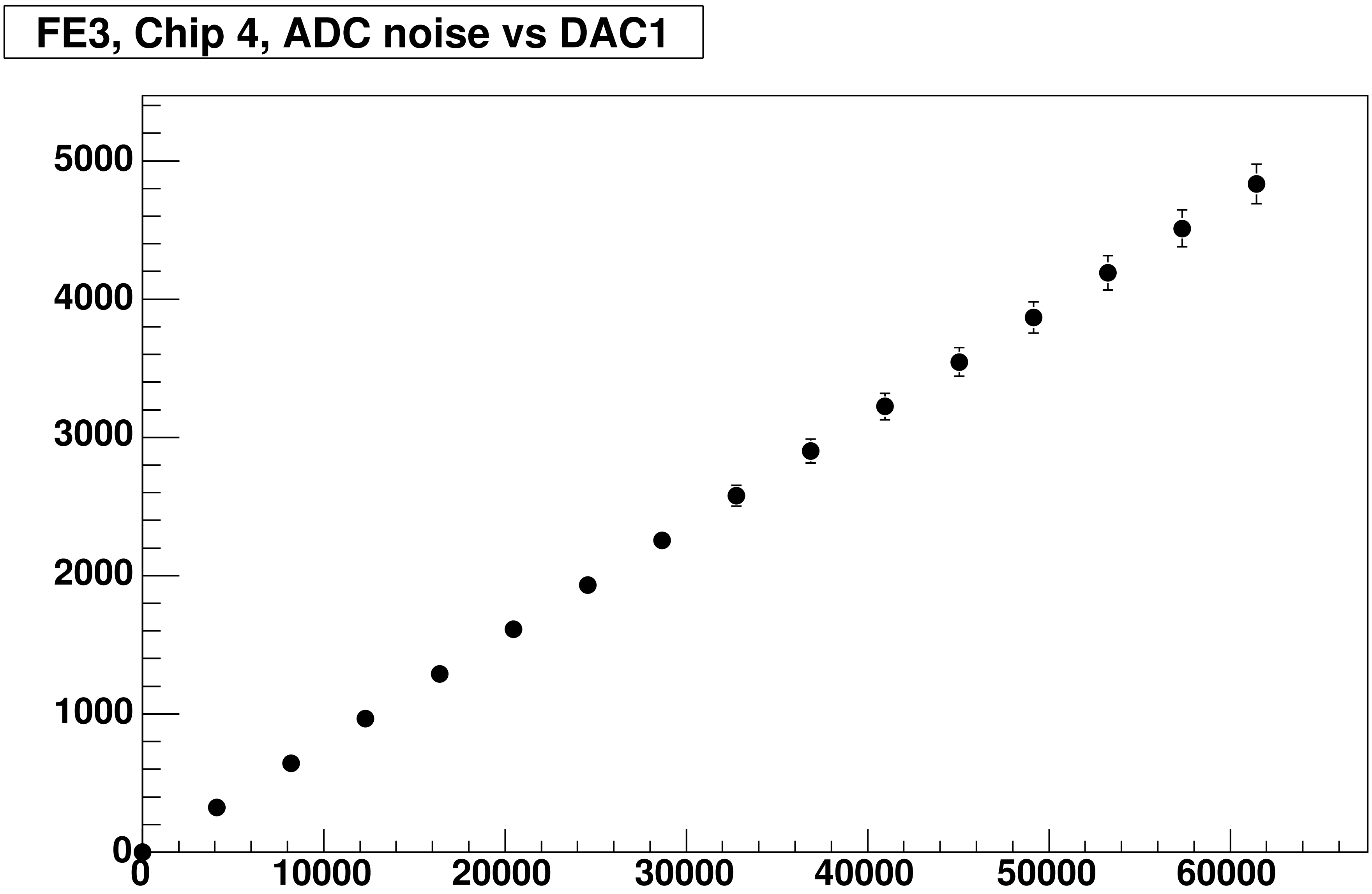
FE3, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.0009409 / 11
p0 38.54 ± 31.13
p1 0.4377 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

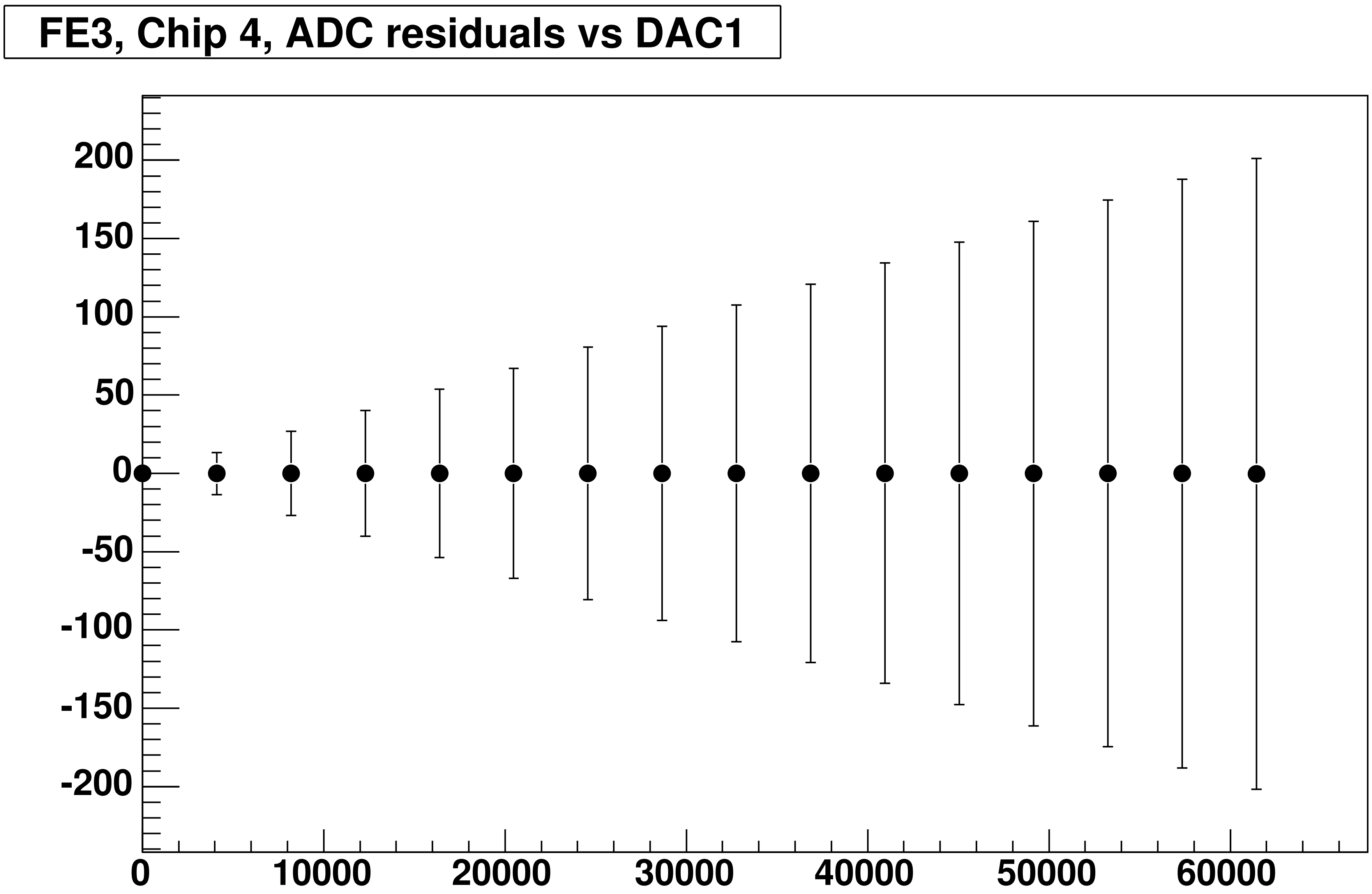


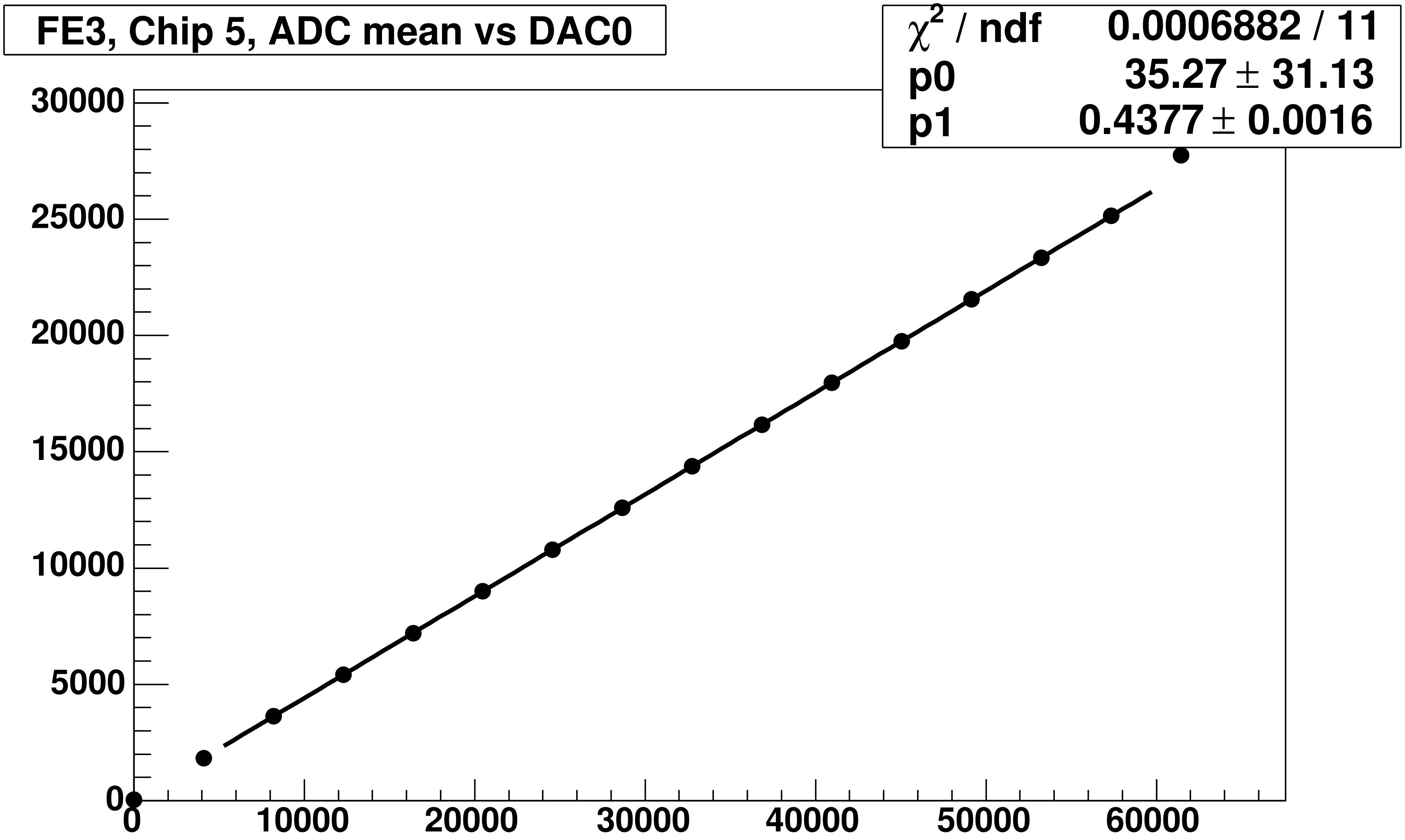
FE3, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE3, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

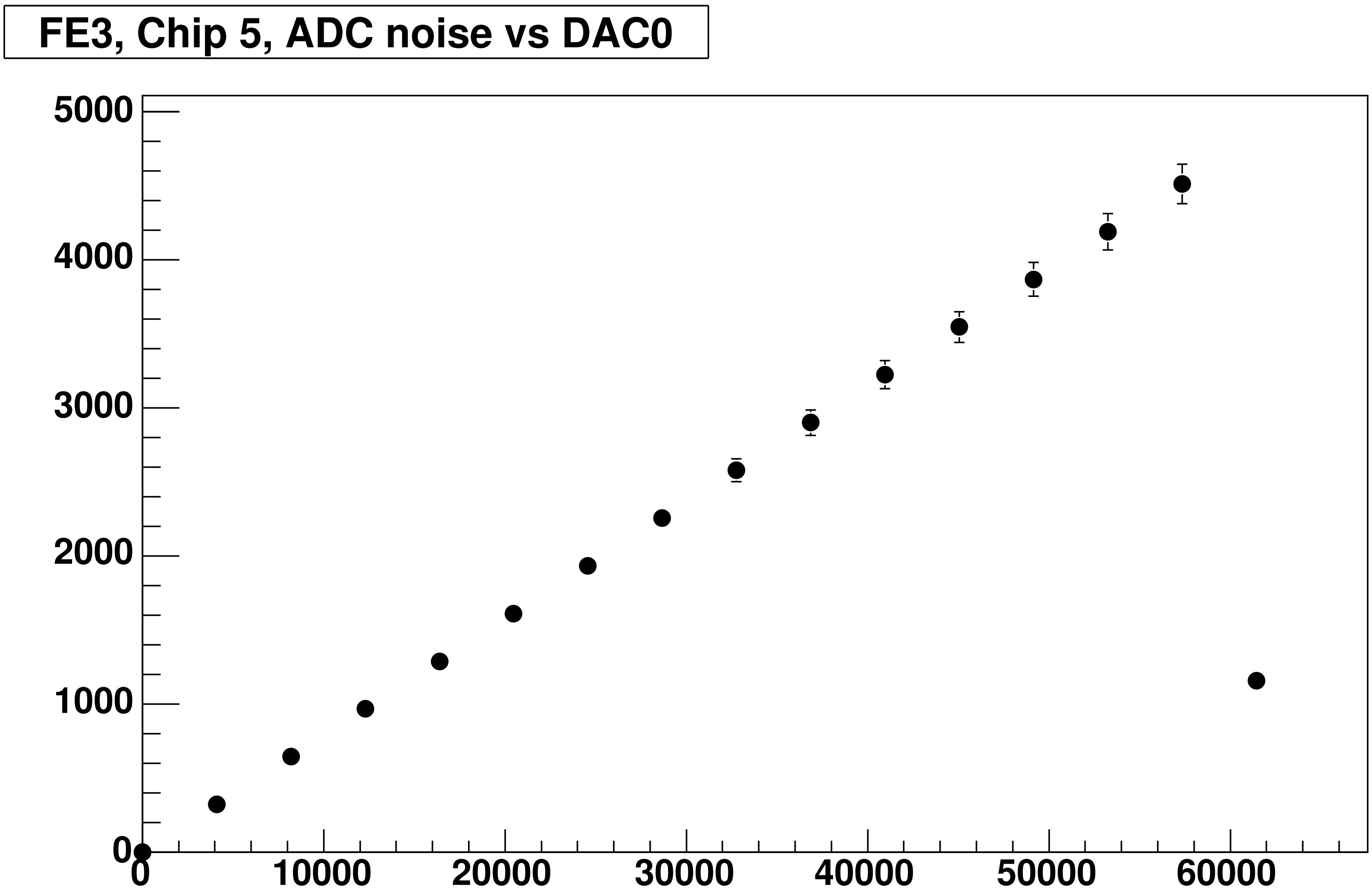

FE3, Chip 4, ADC mean vs DAC1
χ2 / ndf 8.717e-06 / 11
p0 39.55 ± 31.13
p1 0.01412 ± 0.0016
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


FE3, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

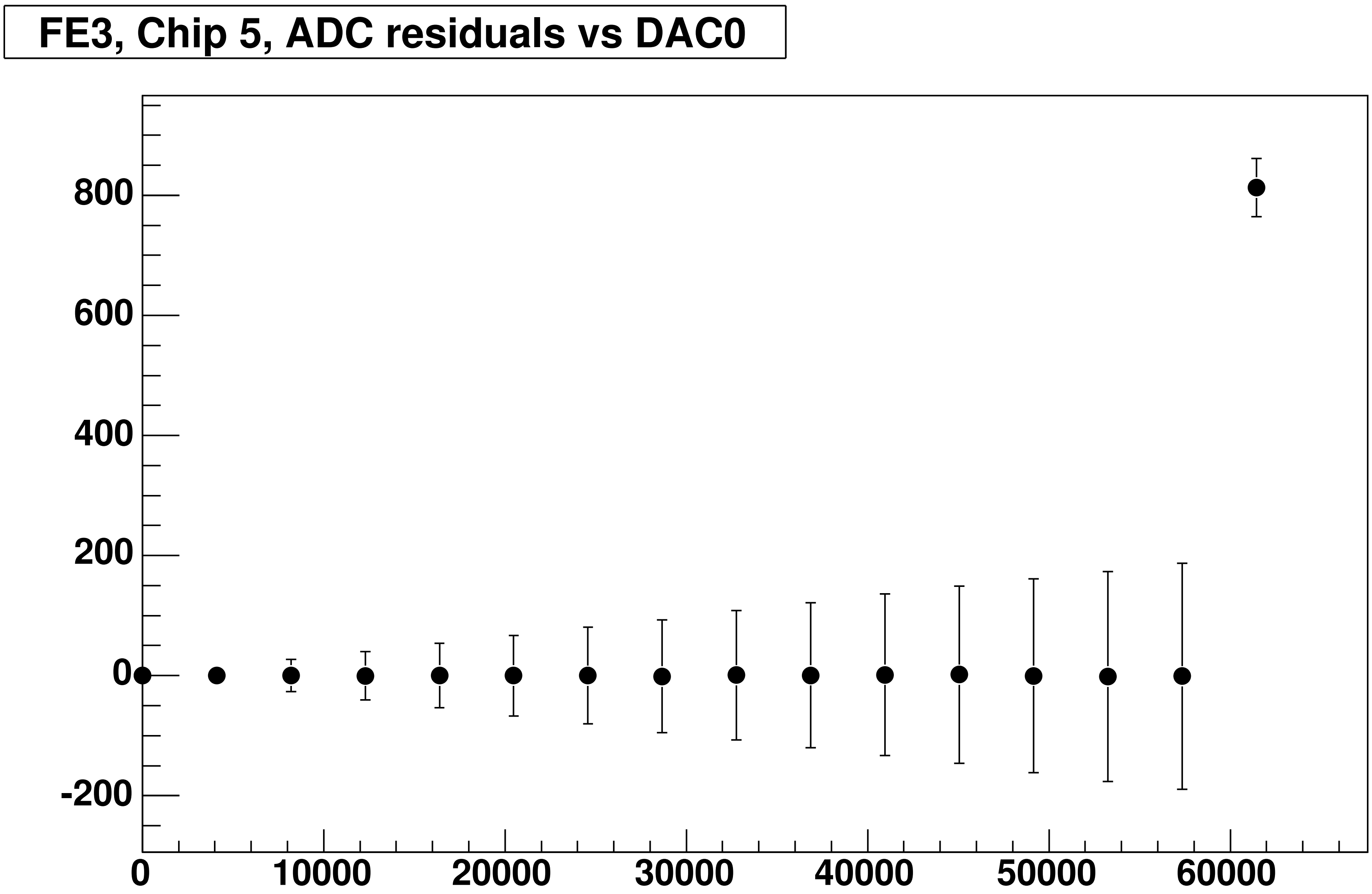

FE3, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



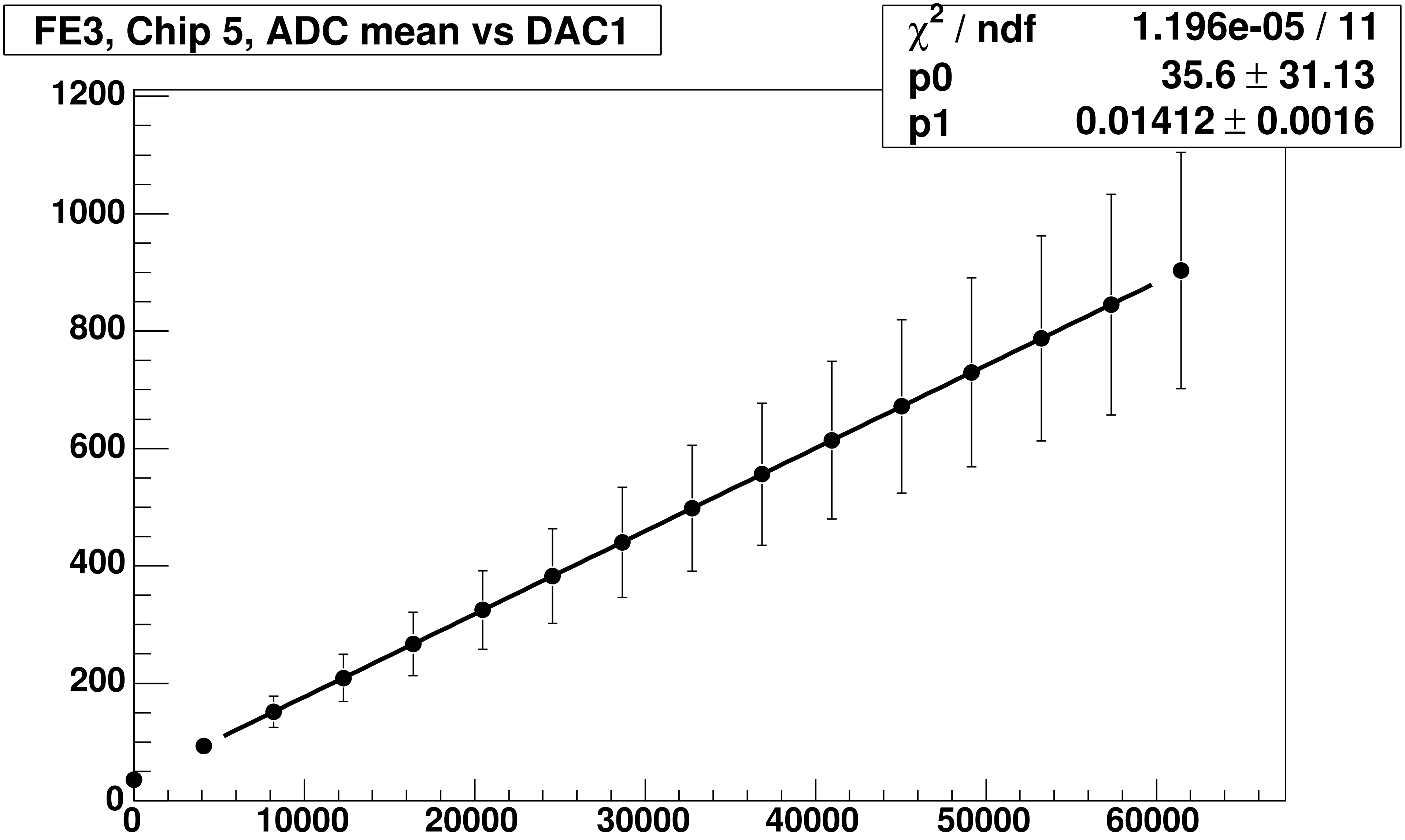
FE3, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0006882 / 11
p0 35.27 ± 31.13
p1 0.4377 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

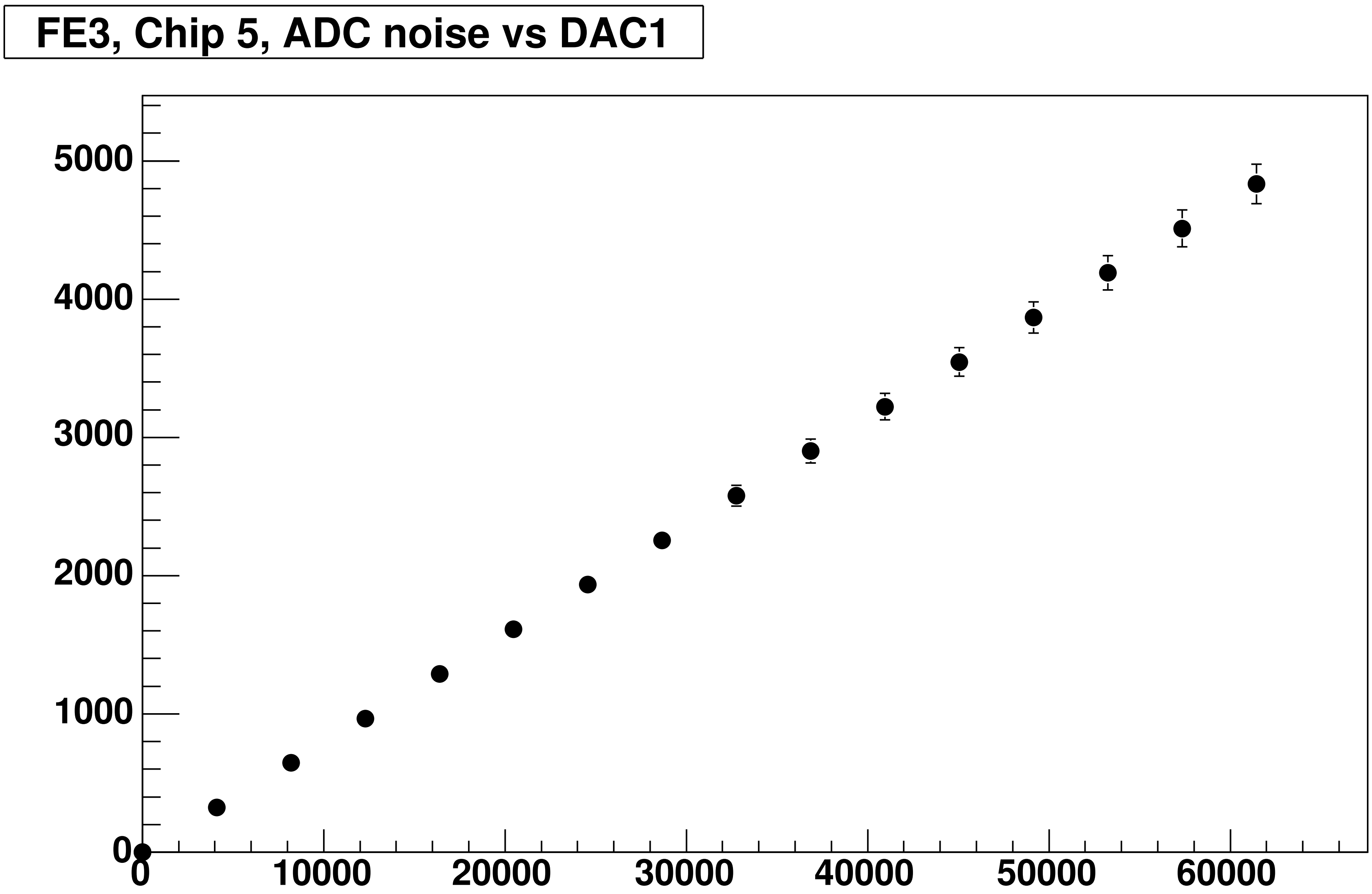


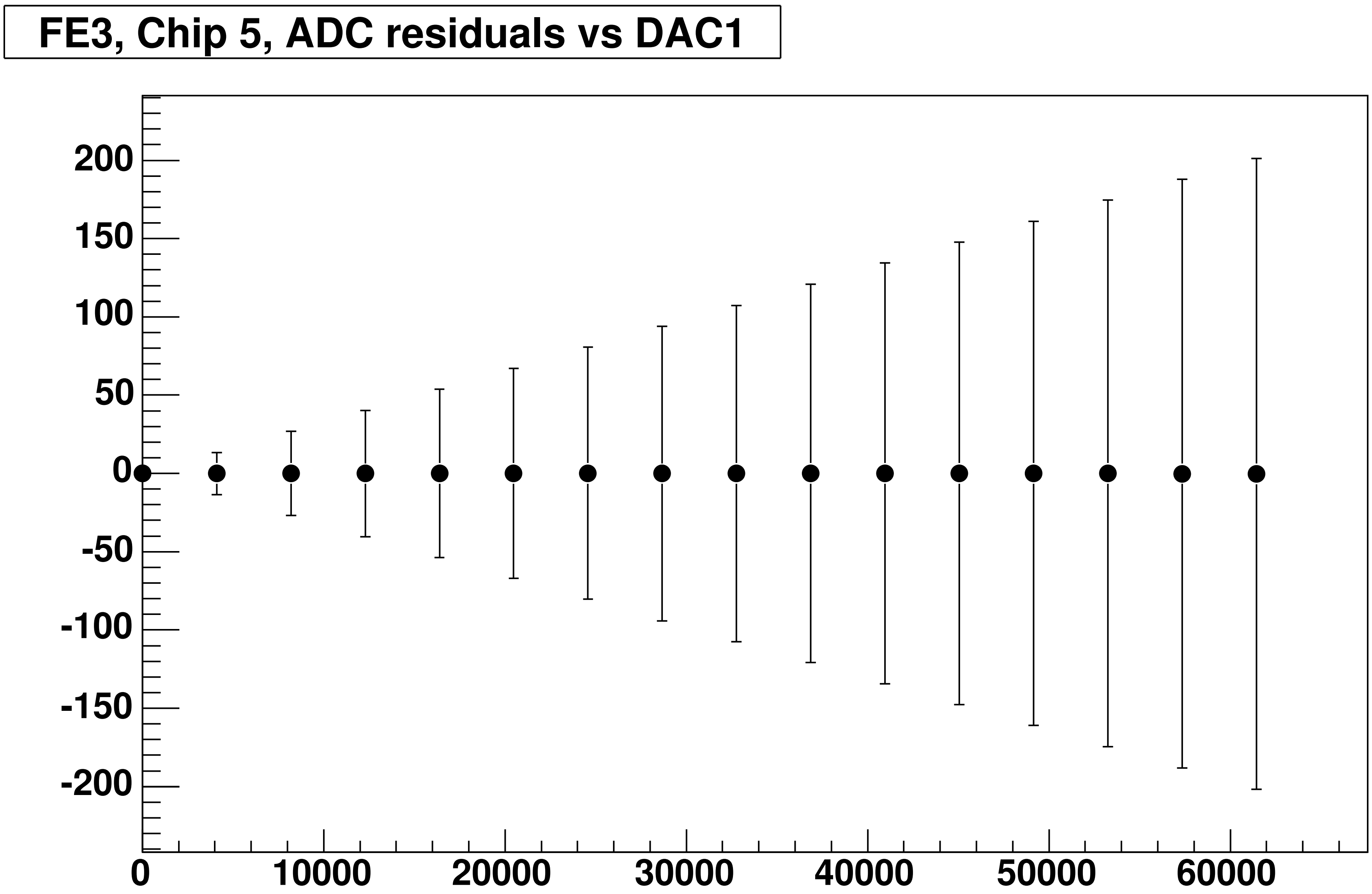
FE3, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



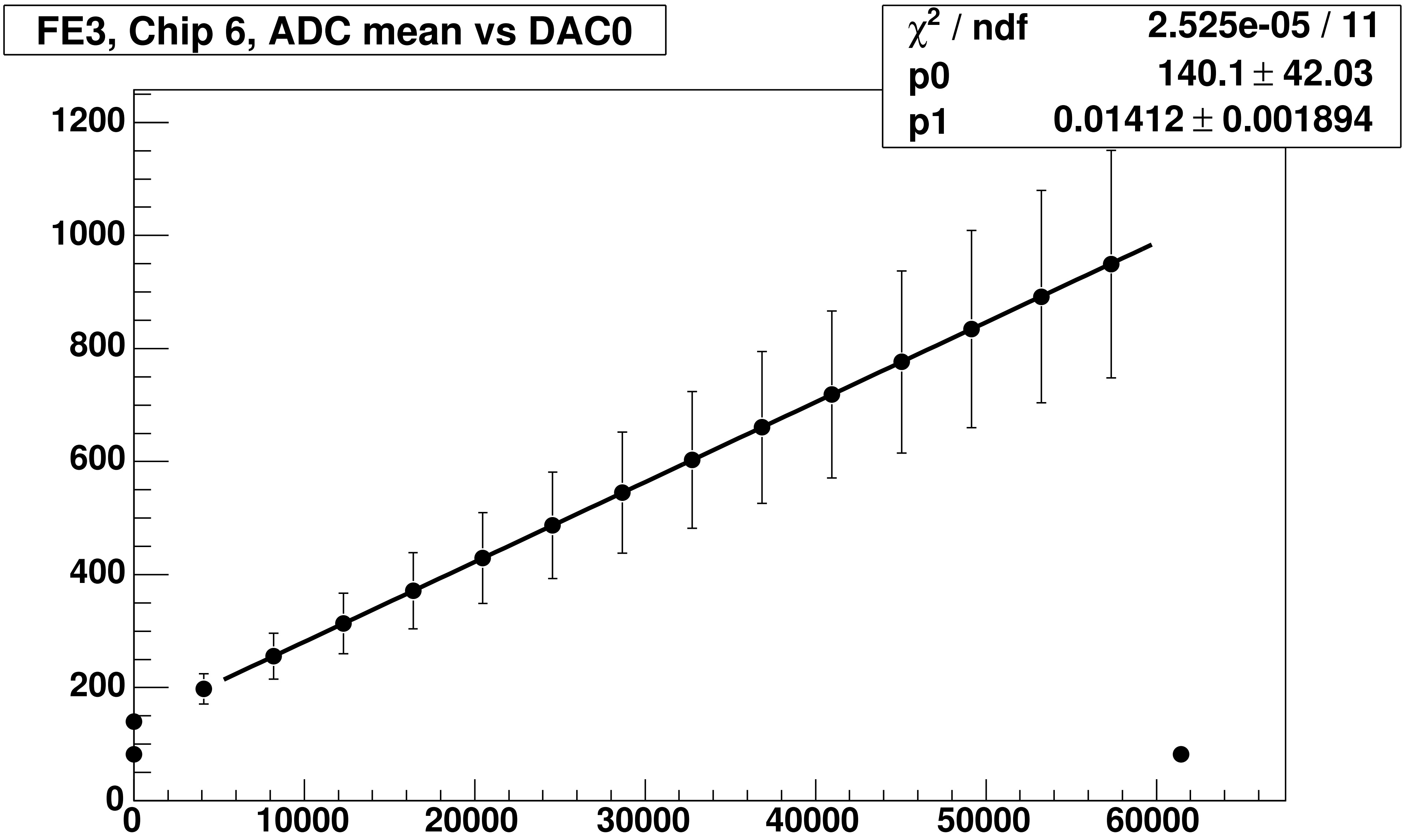
FE3, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE3, Chip 5, ADC mean vs DAC1
χ^2 / ndf 1.196e-05 / 11
p0 35.6 ± 31.13
p1 0.01412 ± 0.0016
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

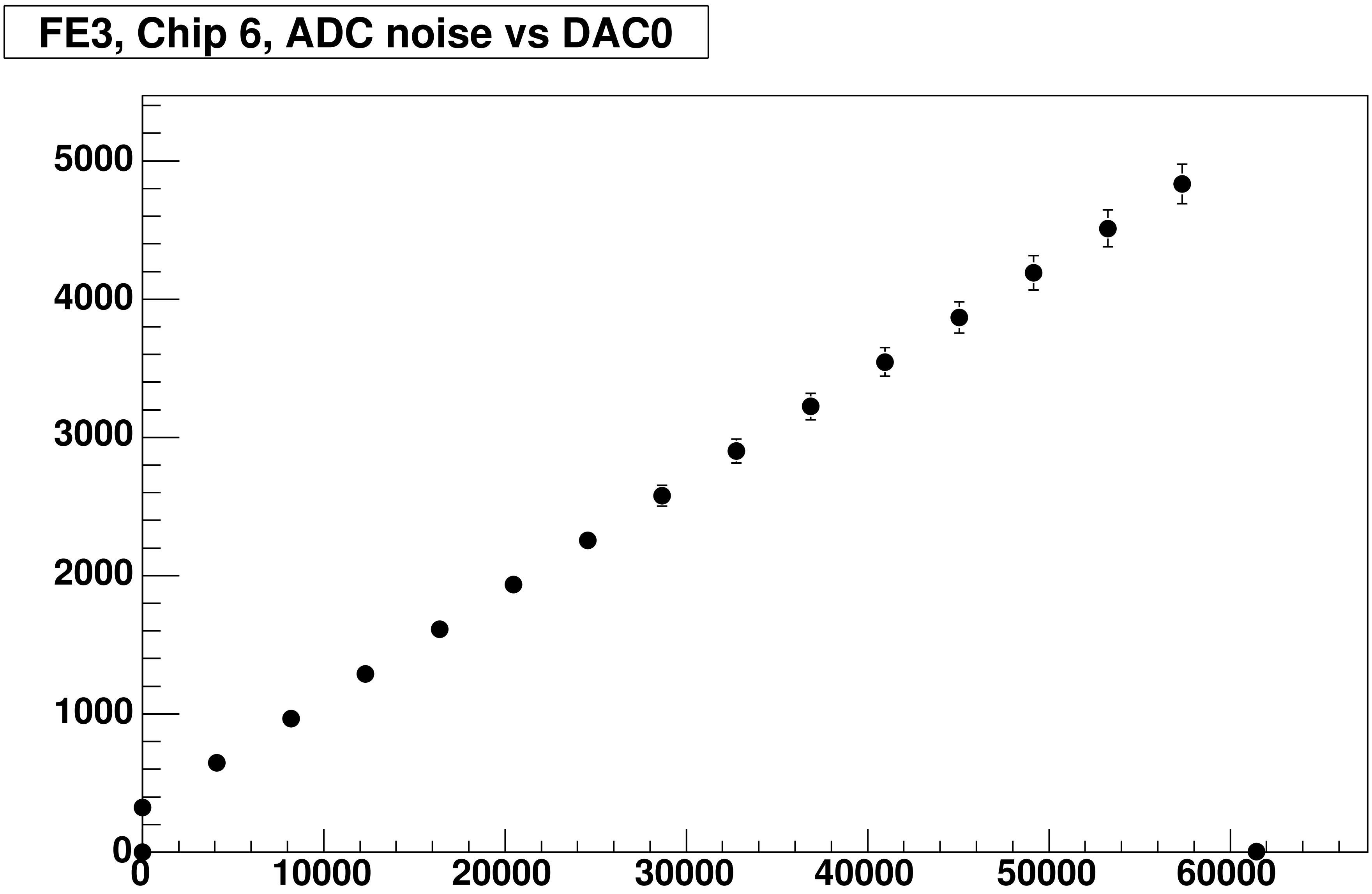

FE3, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

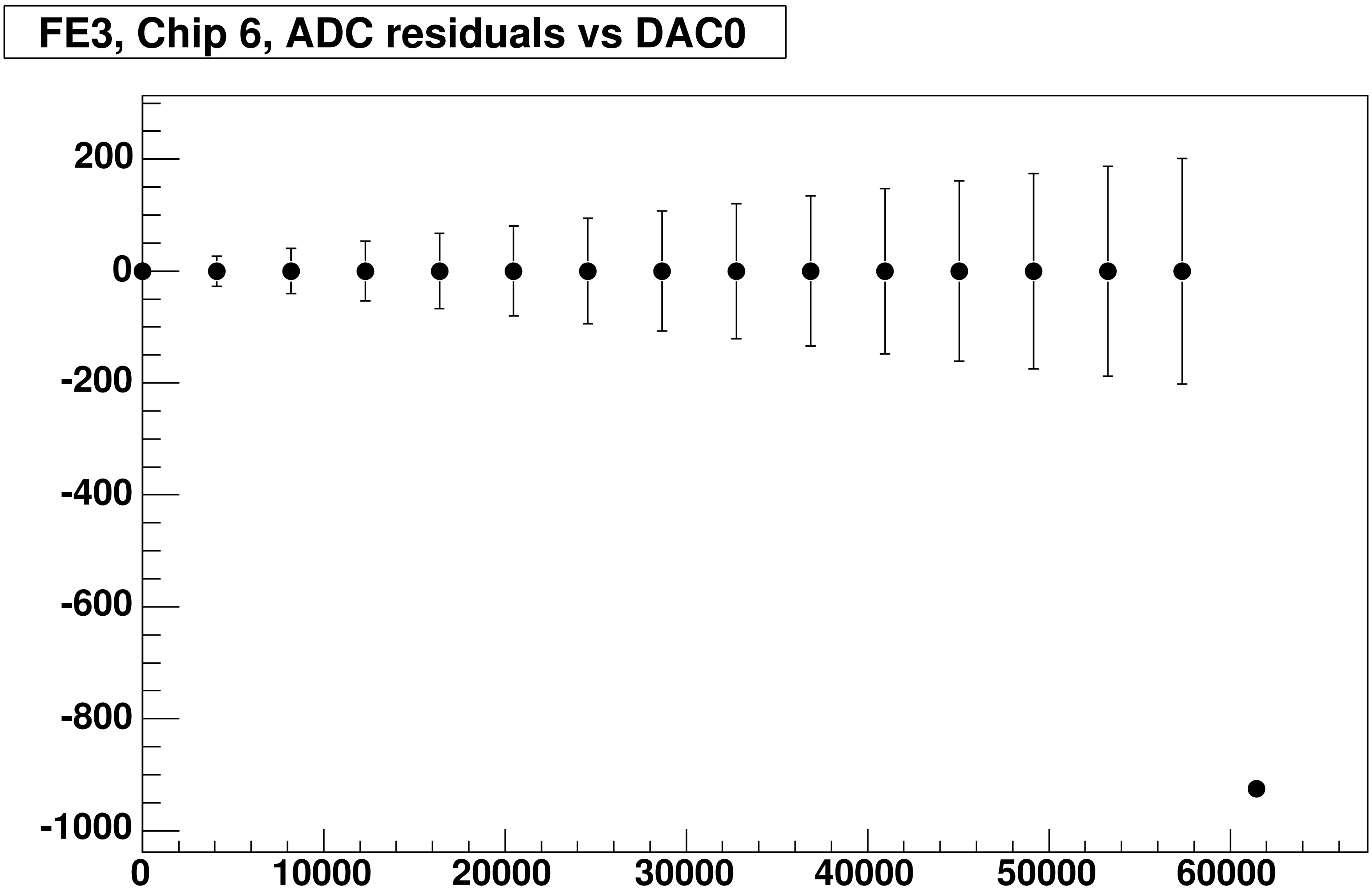


FE3, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

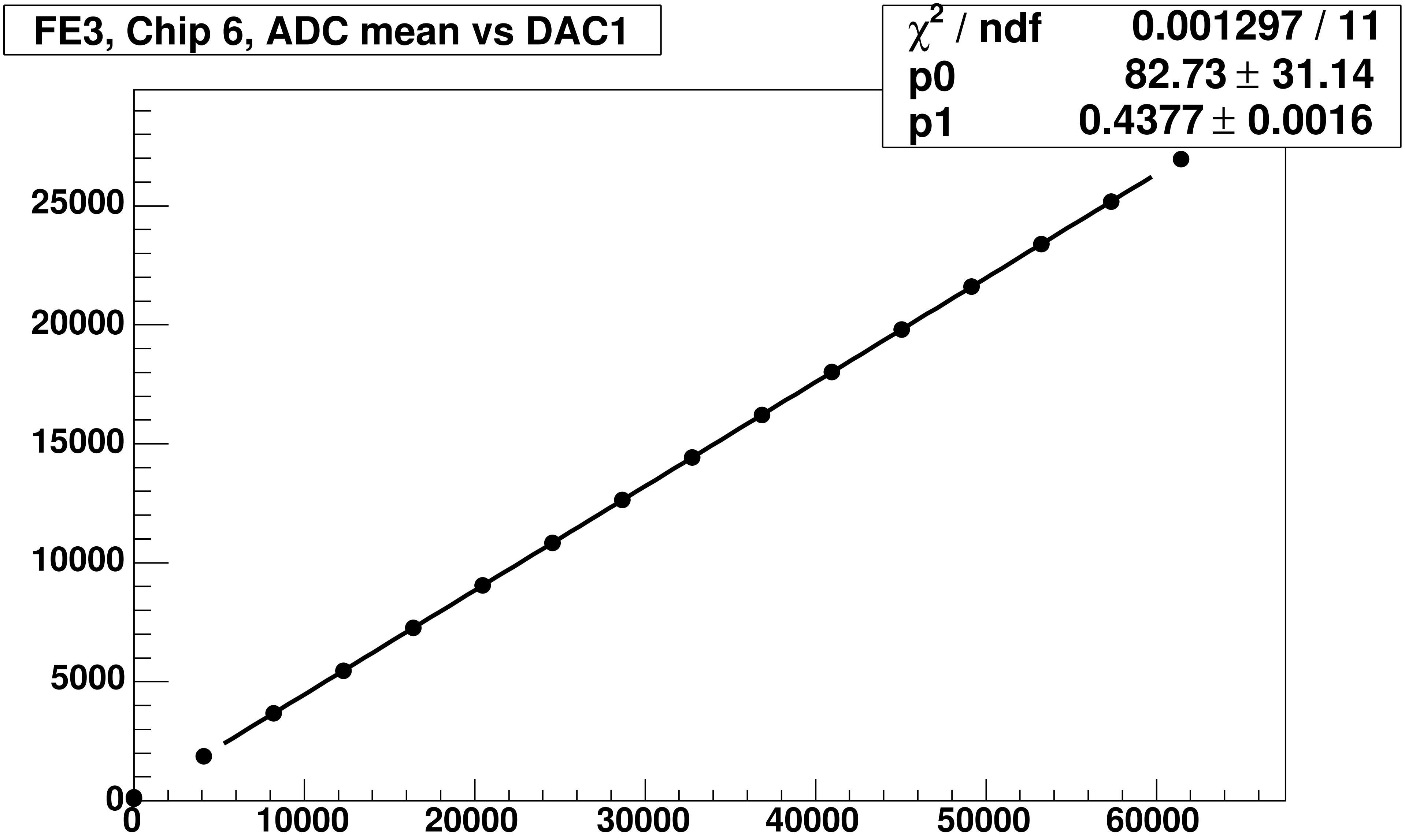


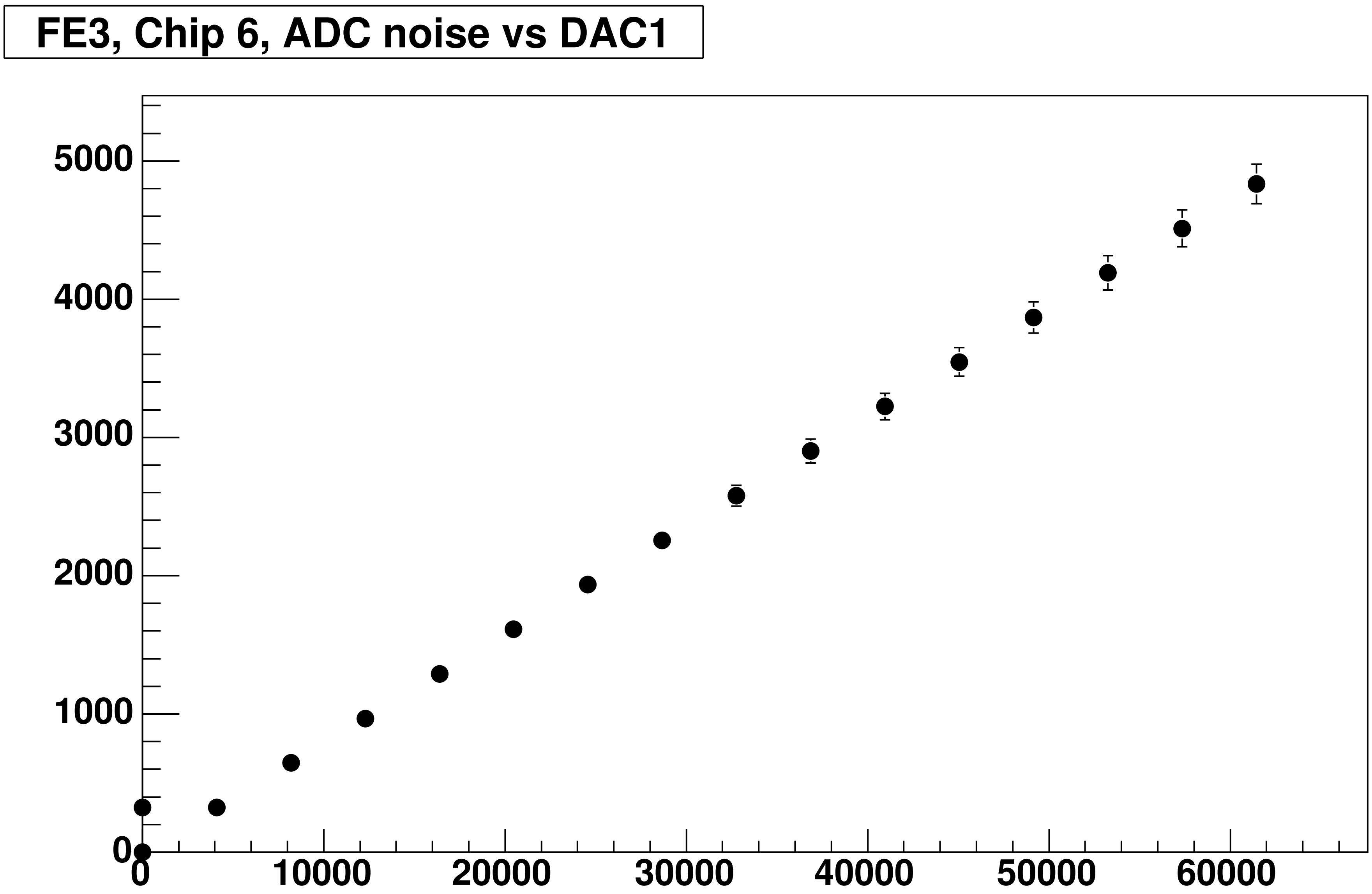
FE3, Chip 6, ADC mean vs DAC0
χ^2 / ndf 2.525e-05 / 11
p0 140.1 ± 42.03
p1 0.01412 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

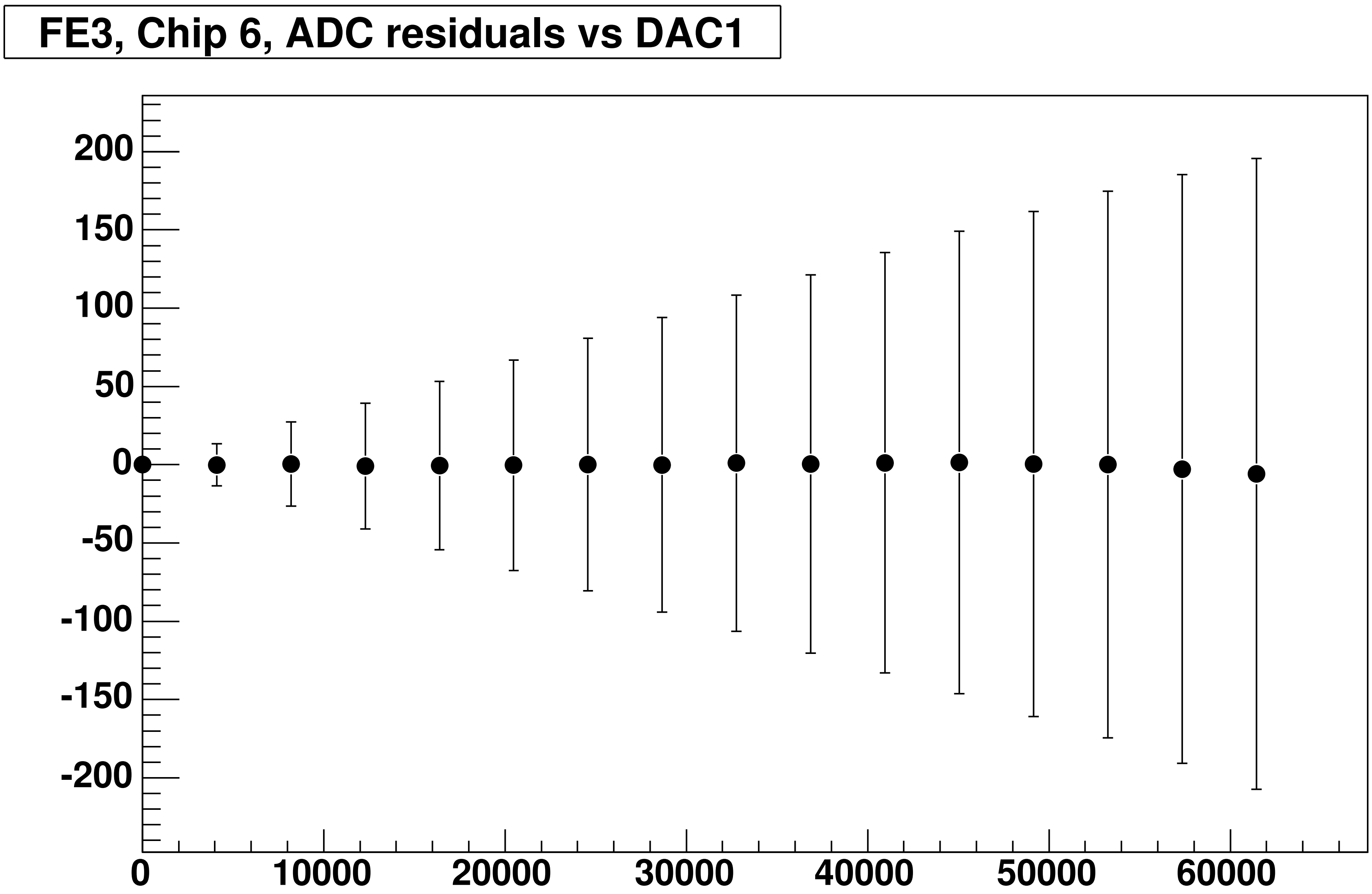

FE3, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

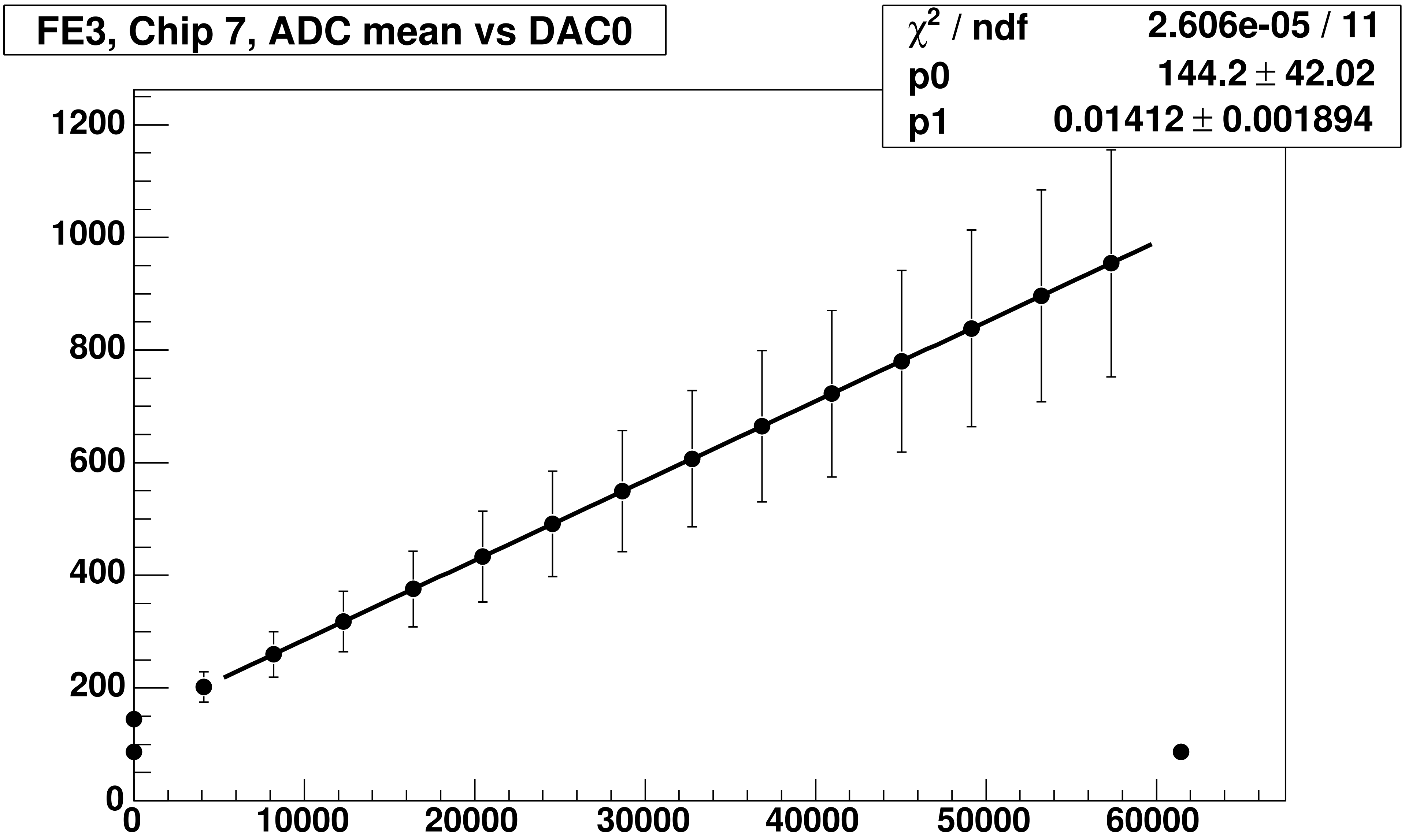


FE3, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

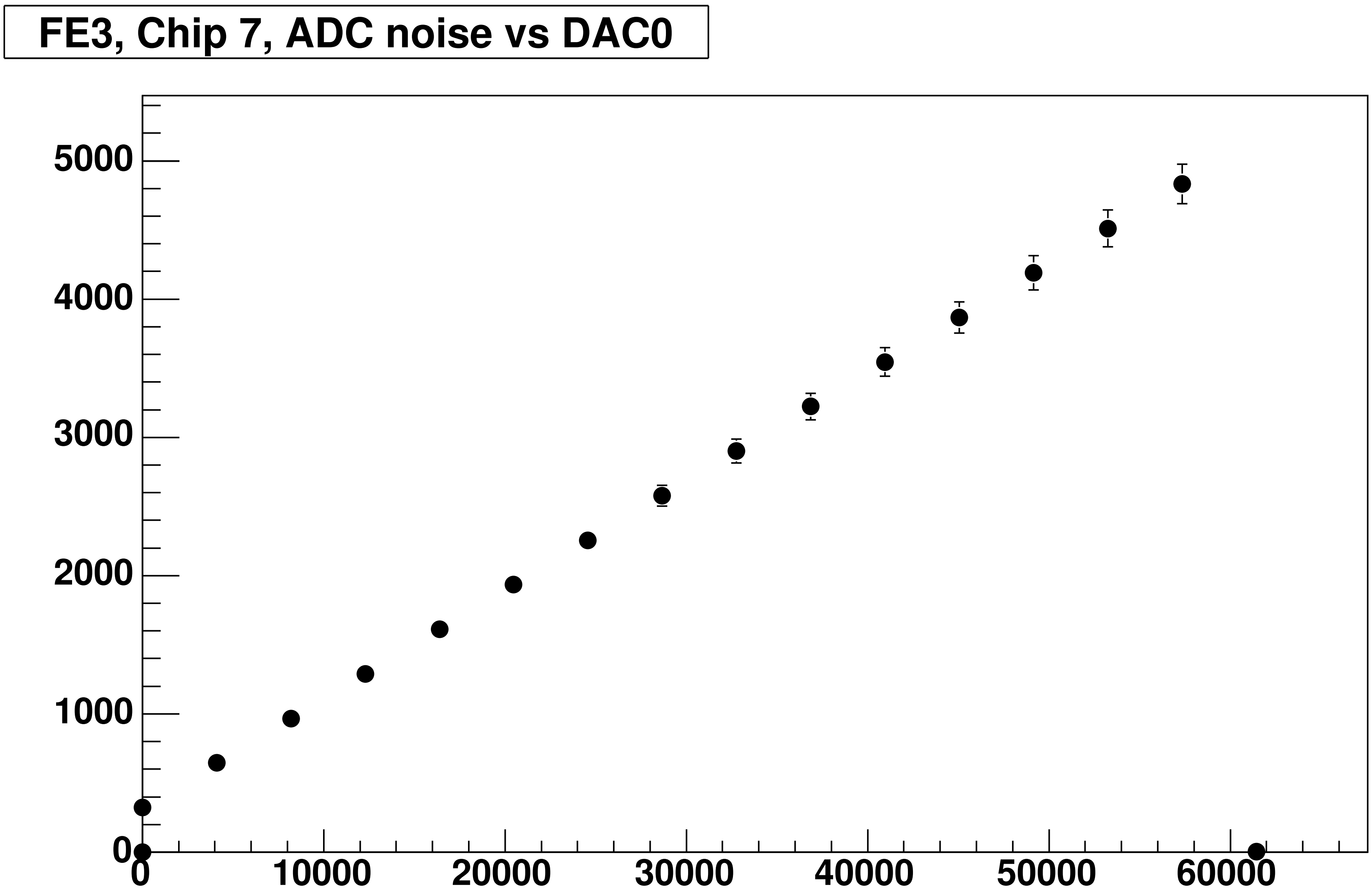

FE3, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001297 / 11
p0 82.73 ± 31.14
p1 0.4377 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

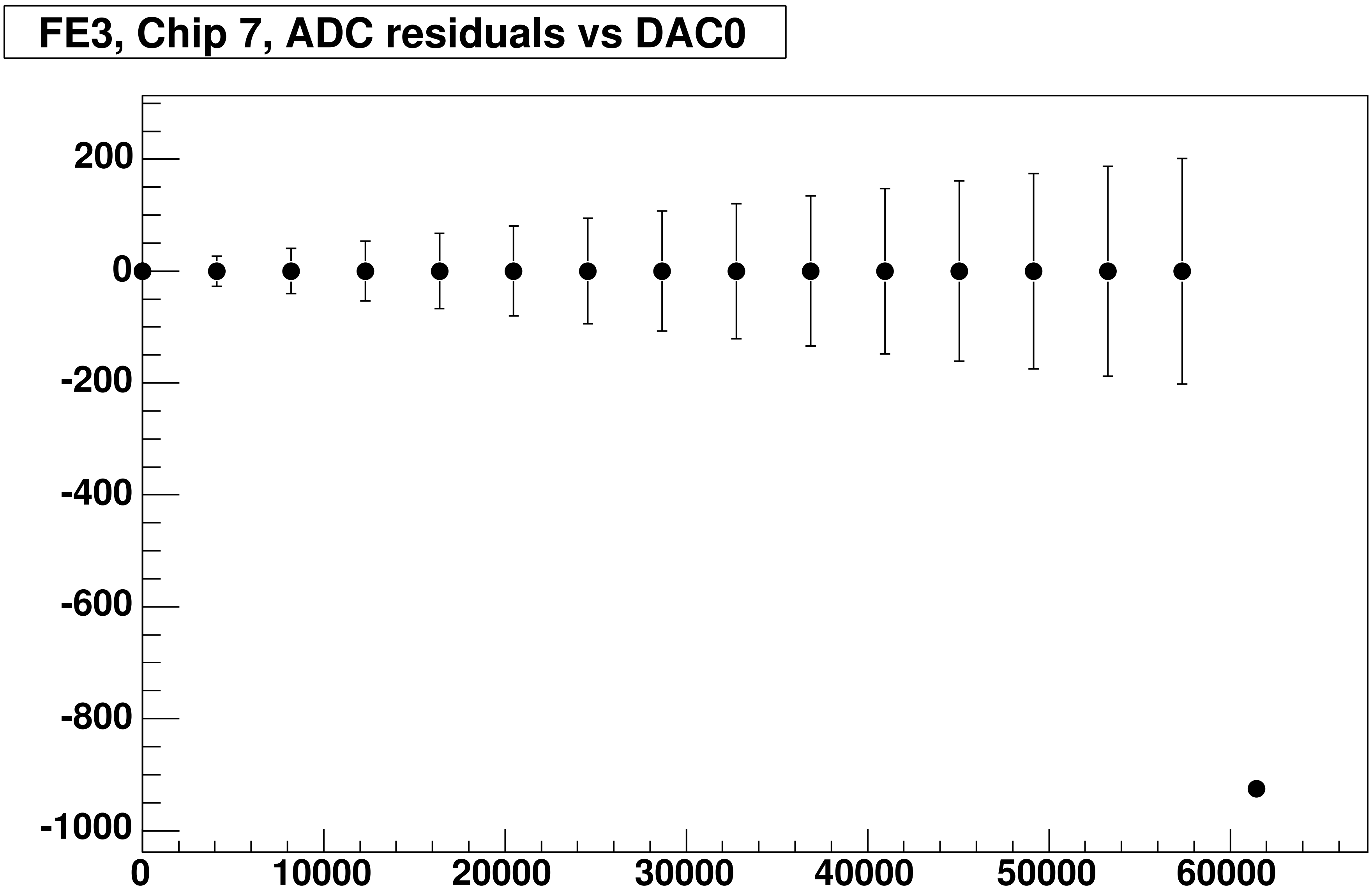

FE3, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

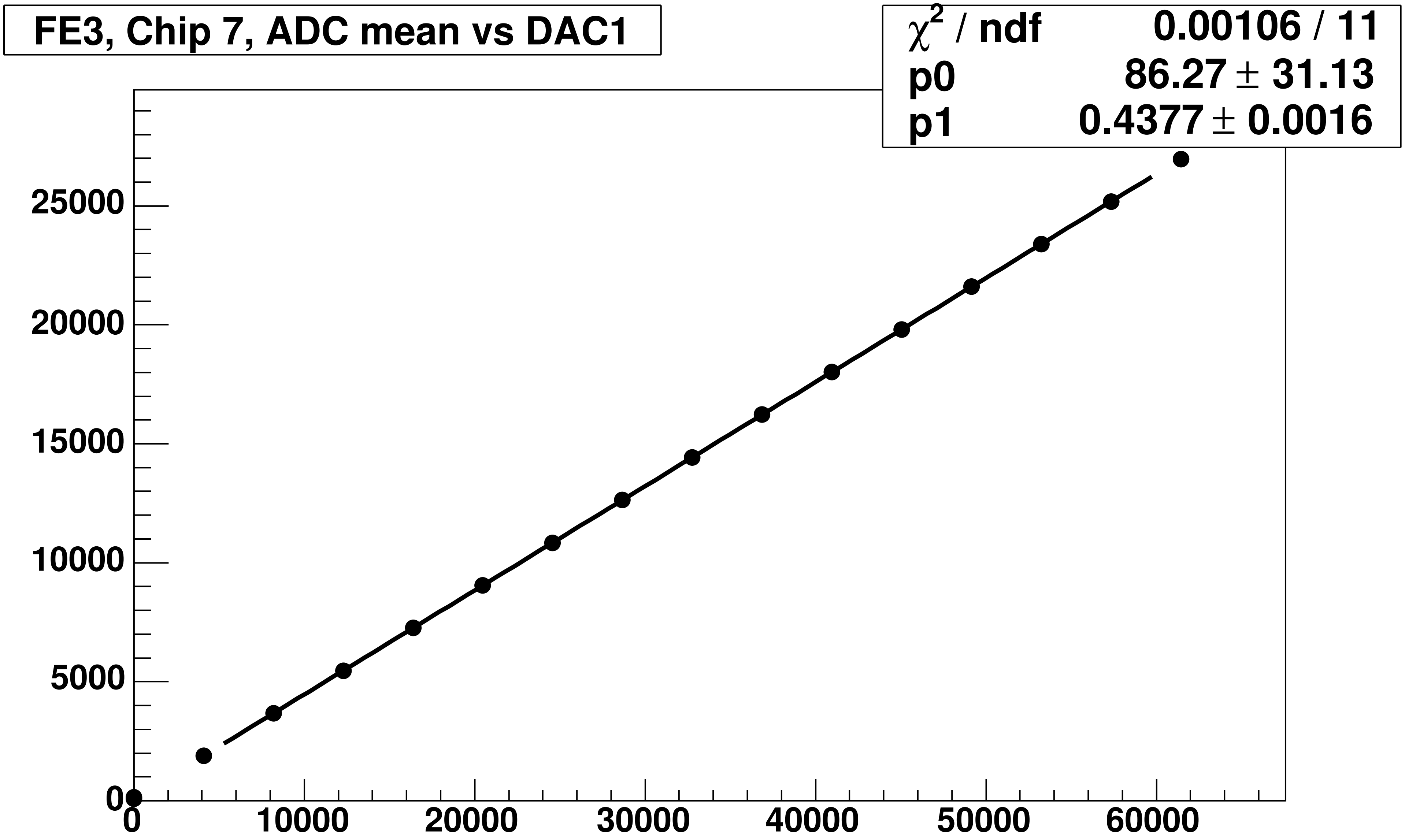

FE3, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



FE3, Chip 7, ADC mean vs DAC0
χ^2 / ndf 2.606e-05 / 11
p0 144.2 ± 42.02
p1 0.01412 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

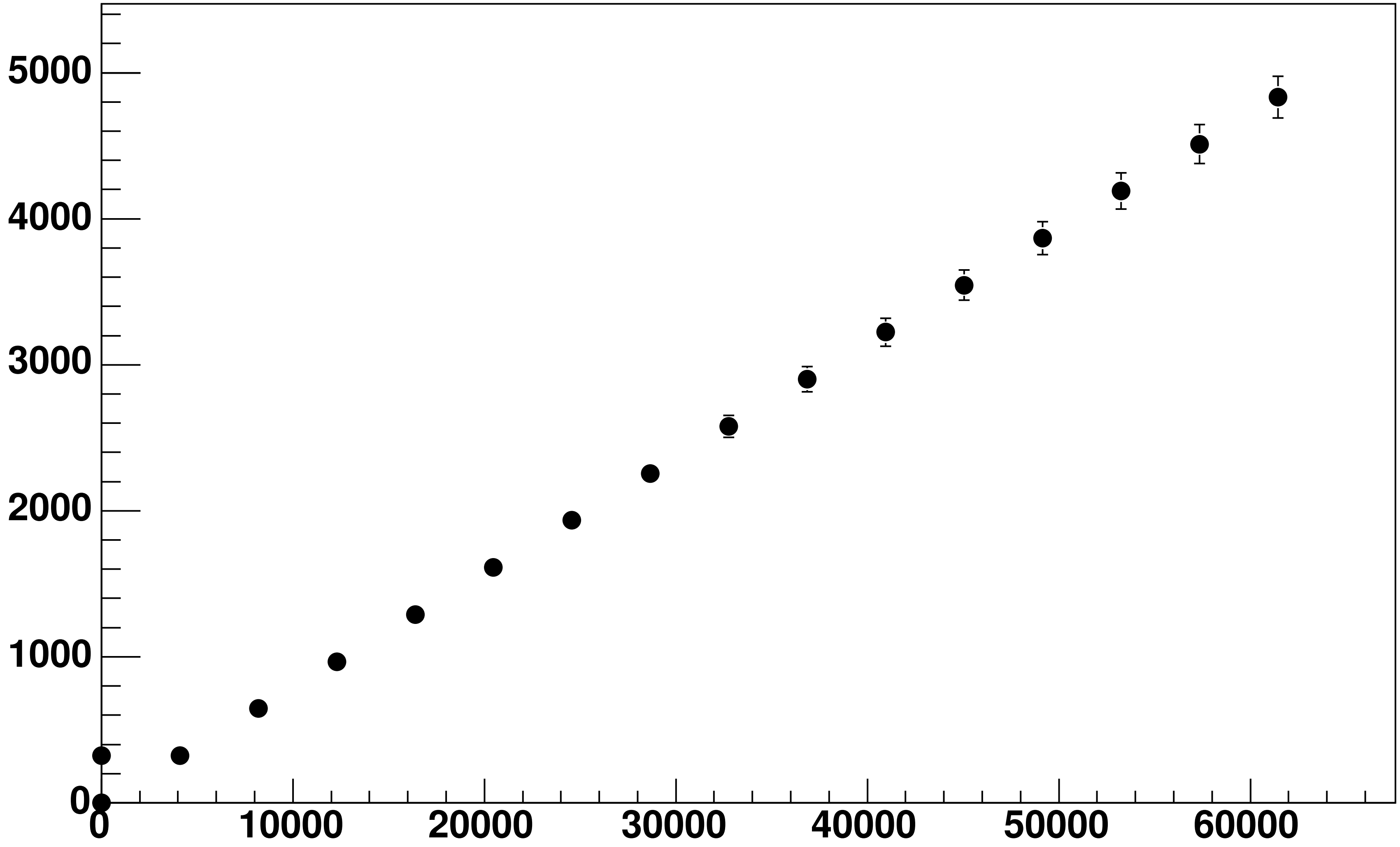

FE3, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

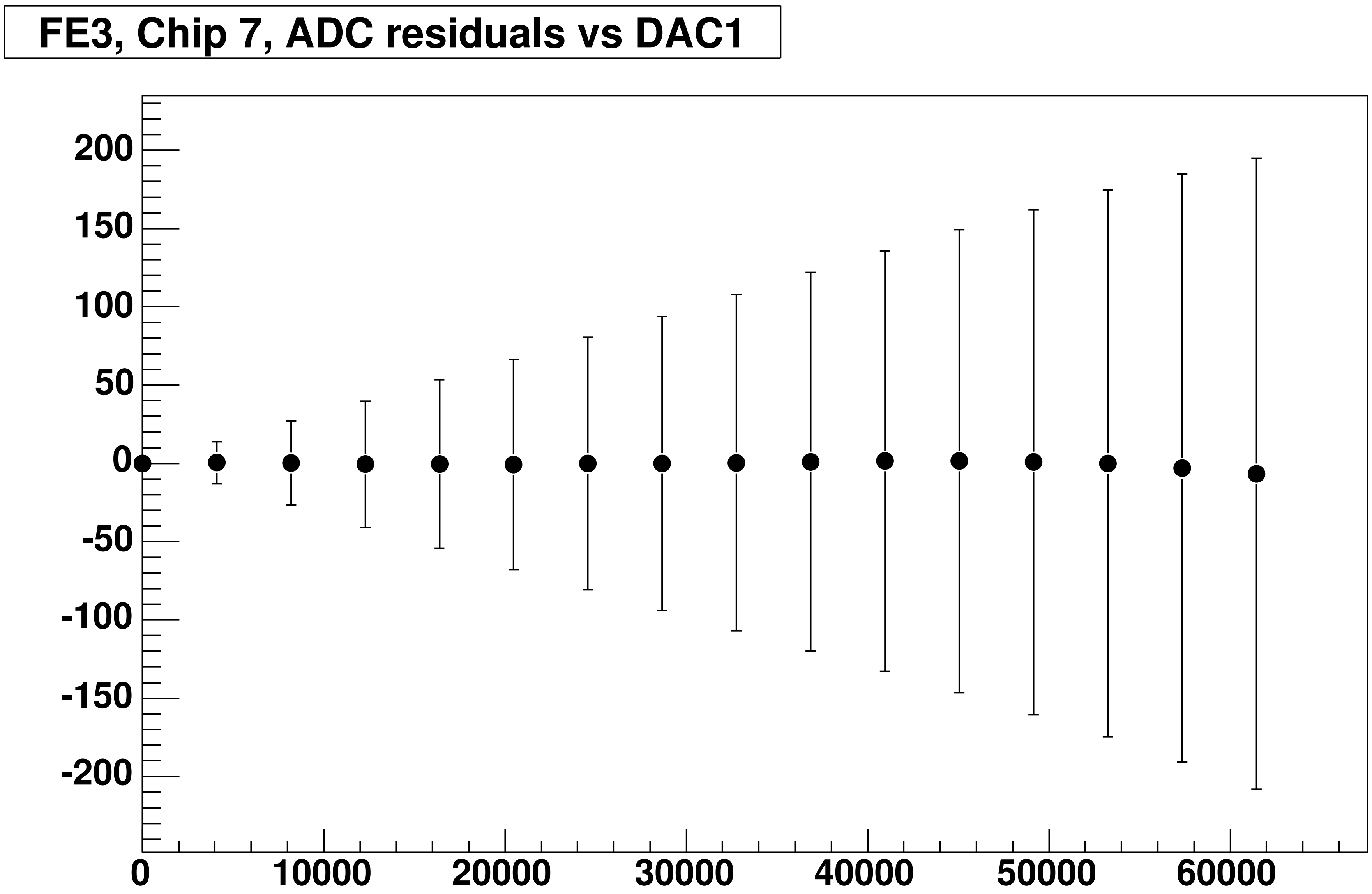

FE3, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



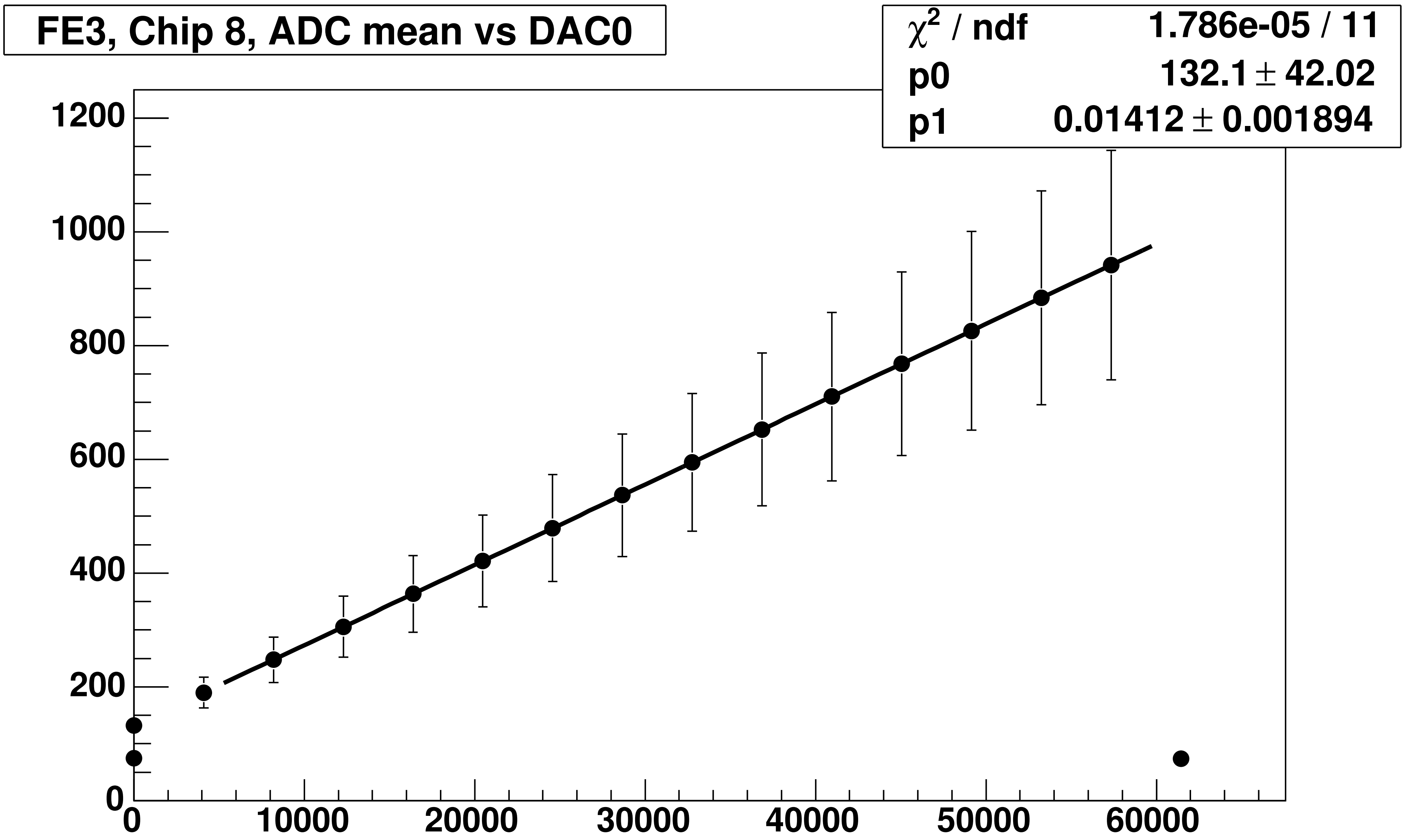
FE3, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.00106 / 11
p0 86.27 ± 31.13
p1 0.4377 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

FE3, Chip 7, ADC noise vs DAC1

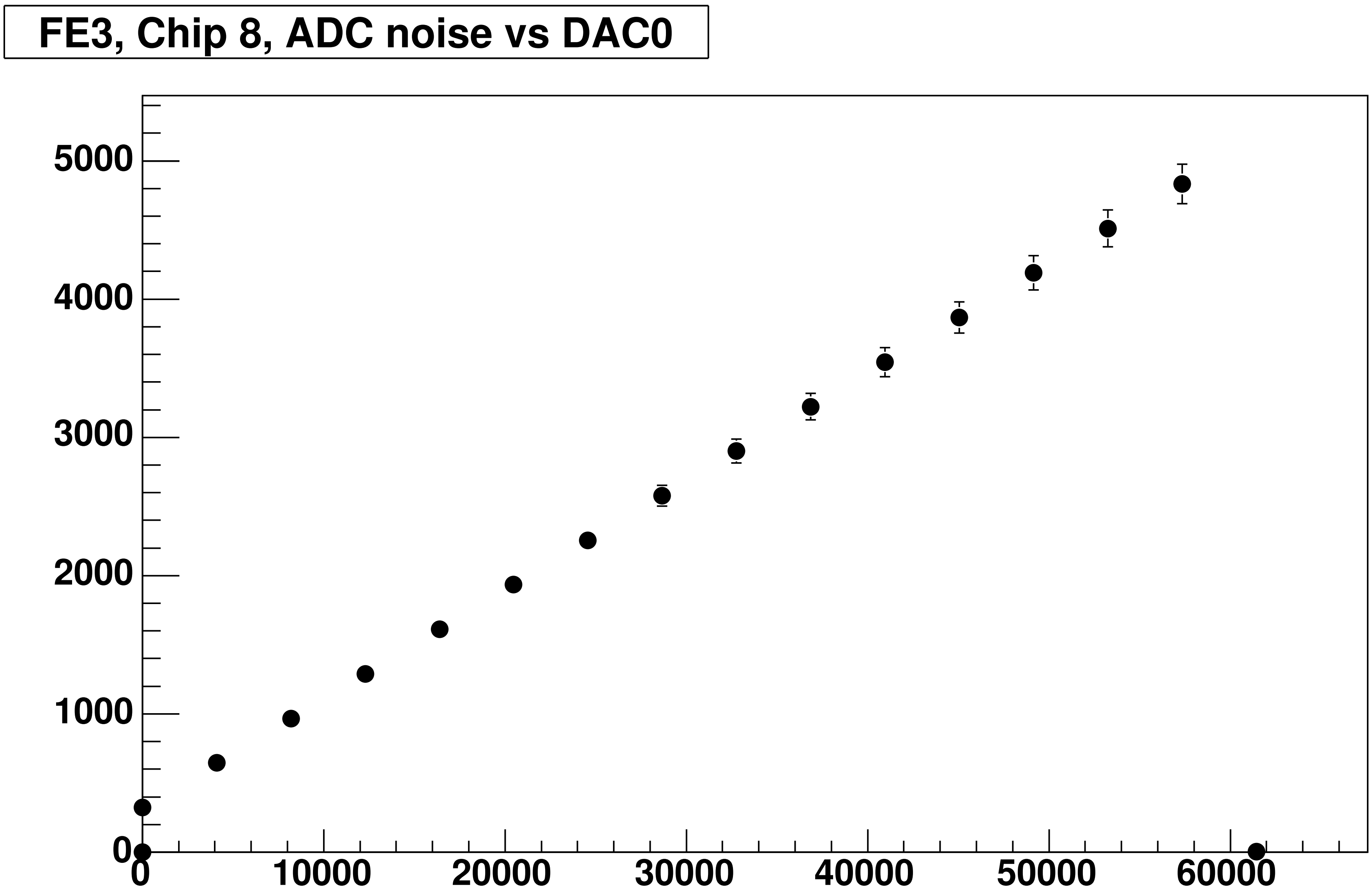


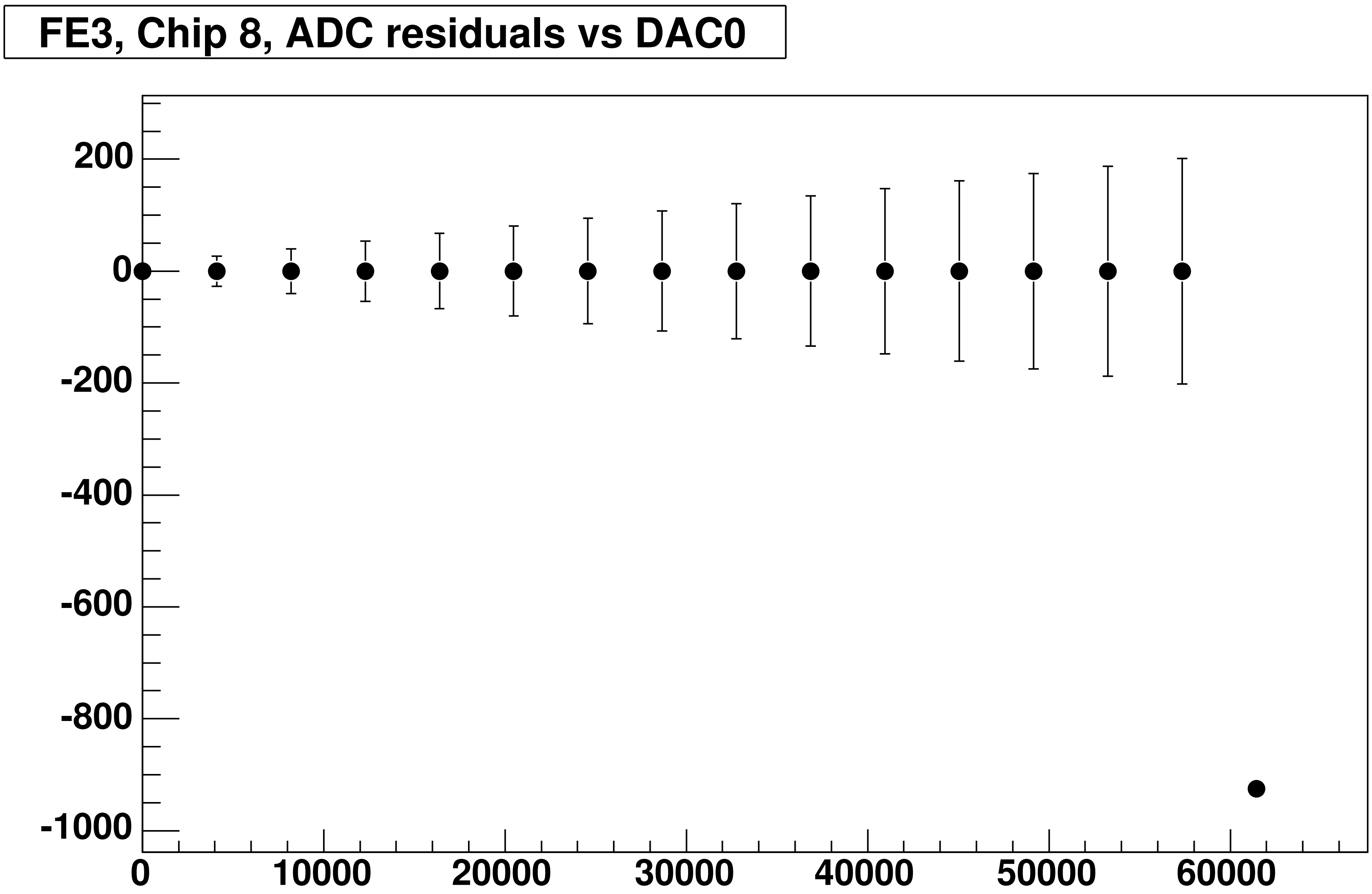


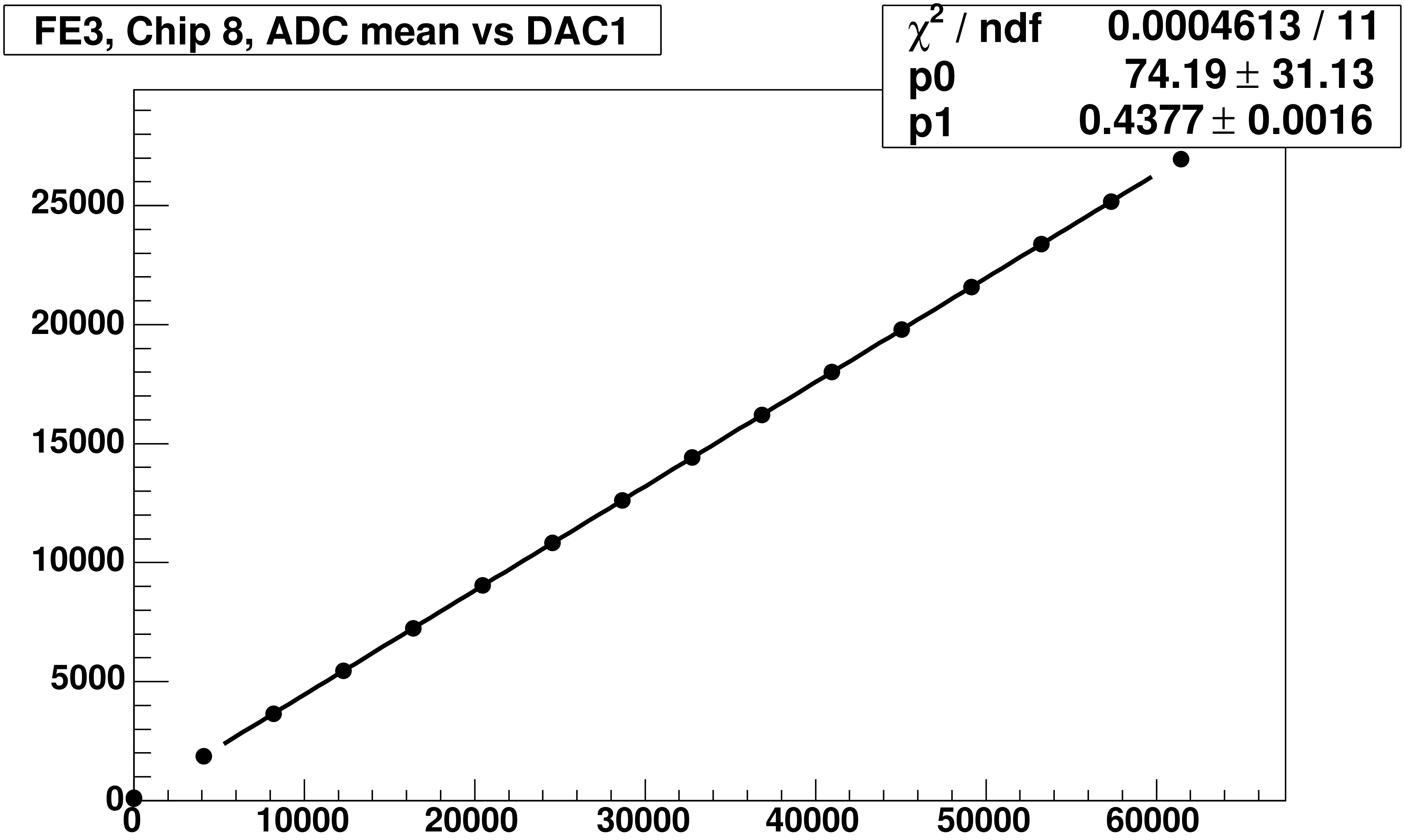
FE3, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



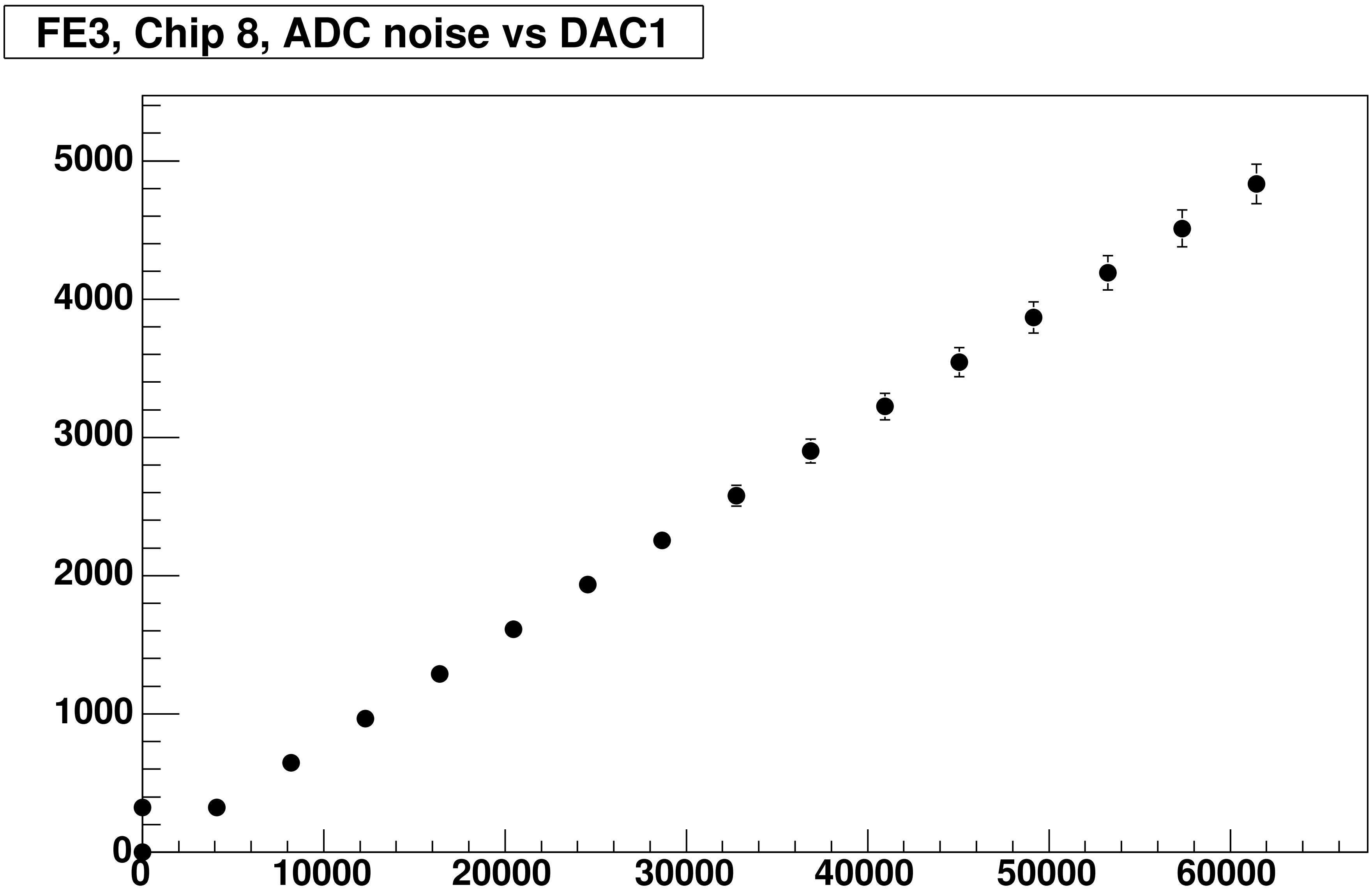
FE3, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.786e-05 / 11
p0 132.1 ± 42.02
p1 0.01412 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

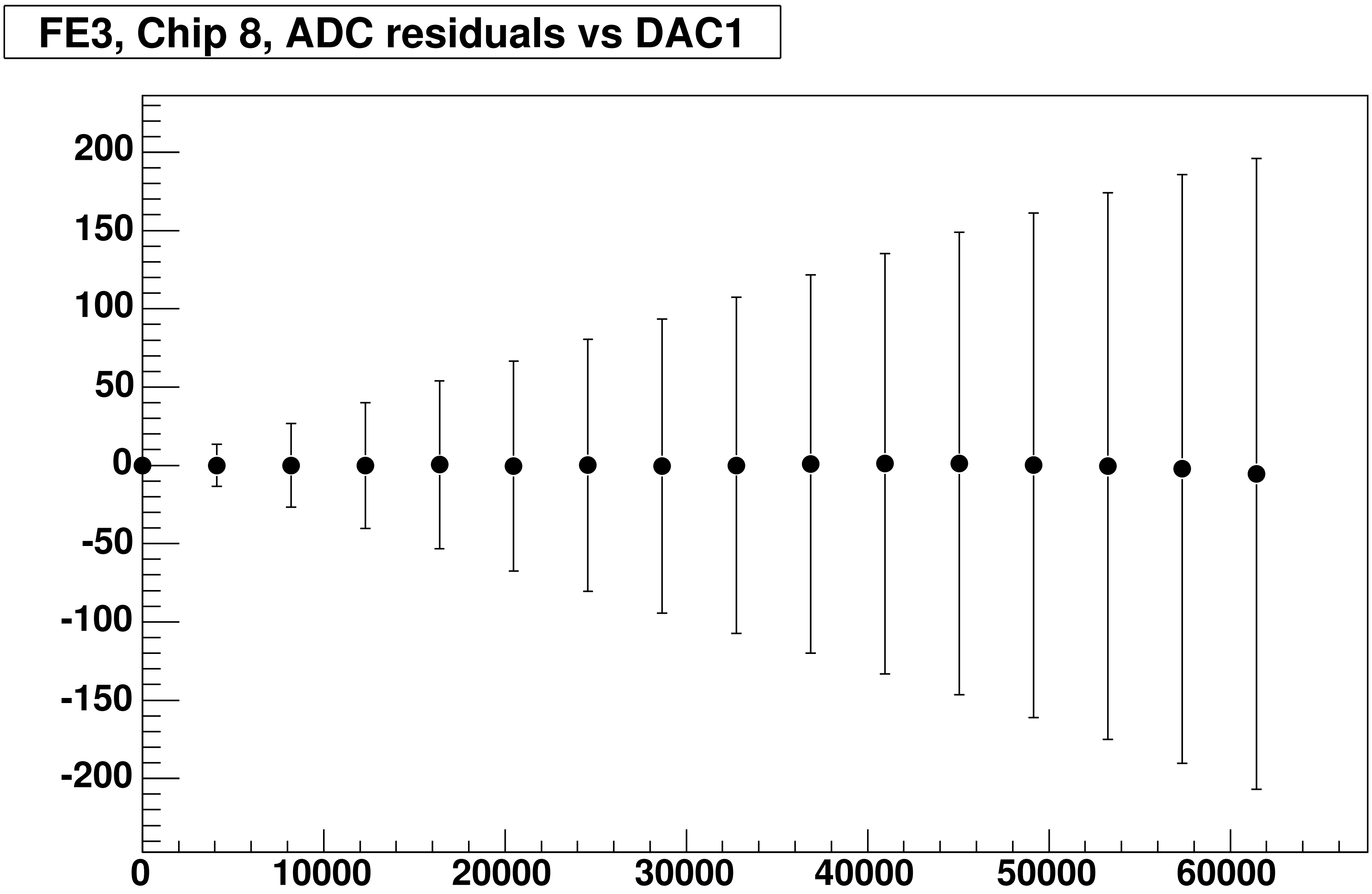

FE3, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

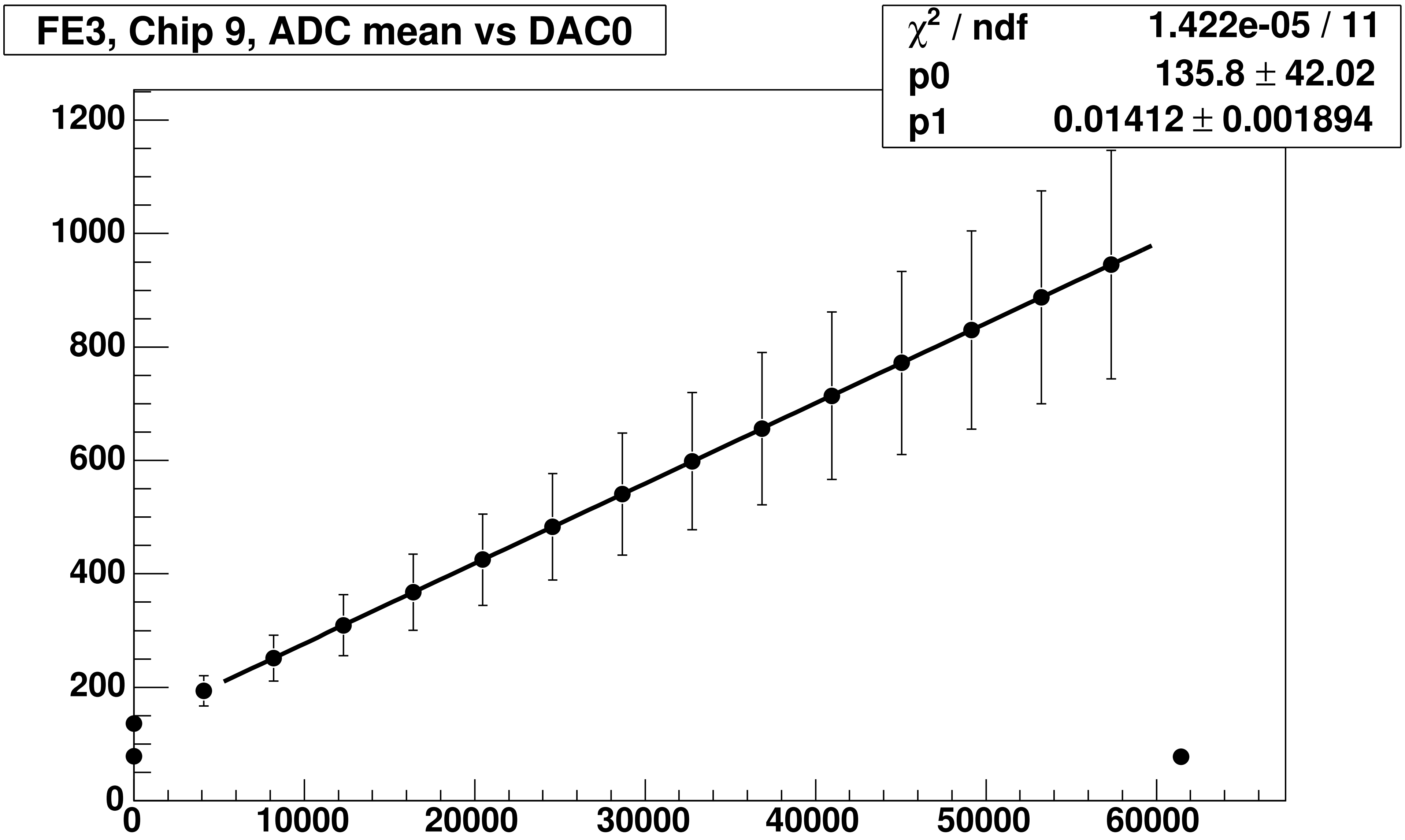

FE3, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



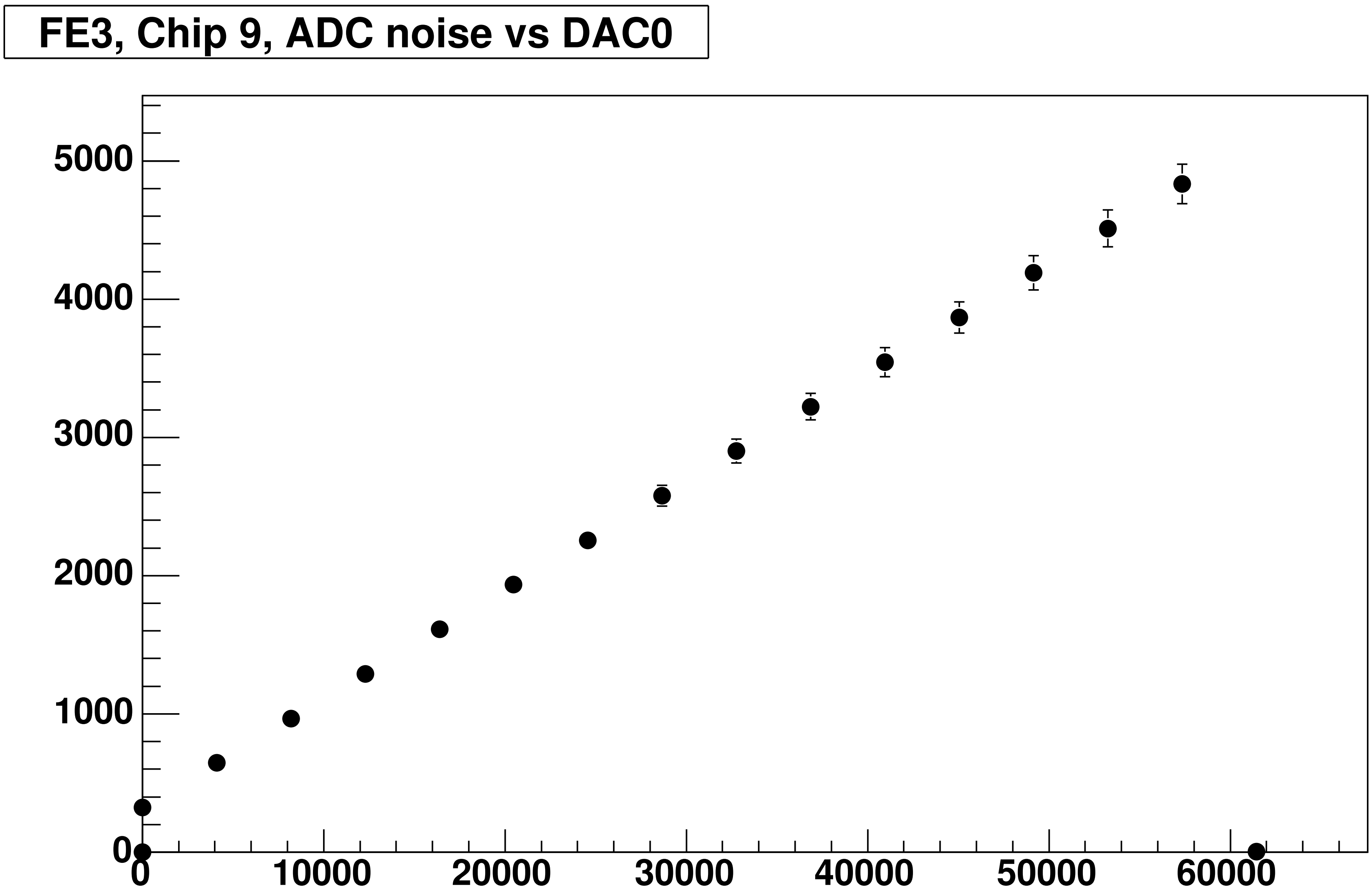
FE3, Chip 8, ADC mean vs DAC1
χ2 / ndf 0.0004613 / 11
p0 74.19 ± 31.13
p1 0.4377 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE3, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

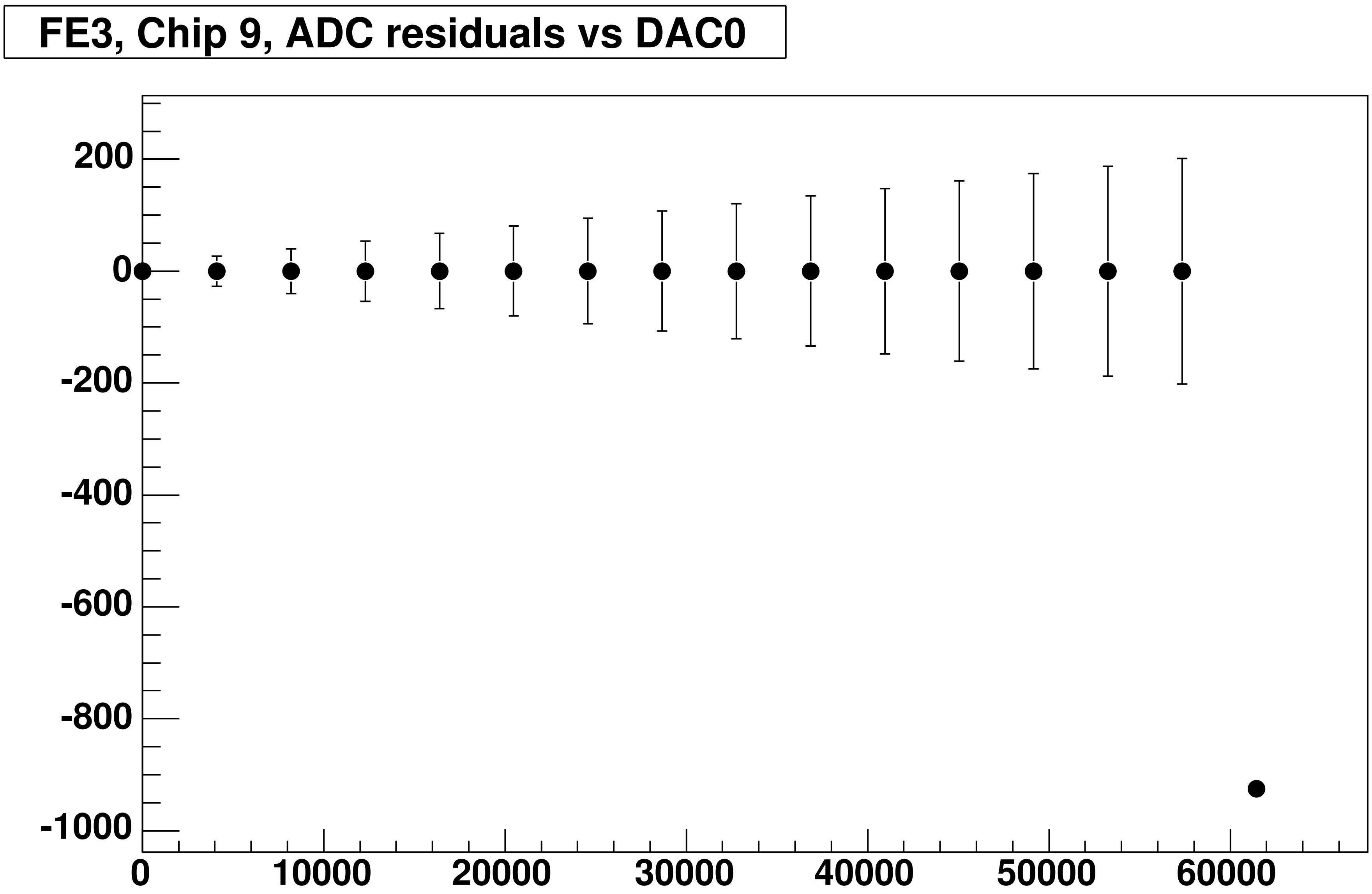

FE3, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



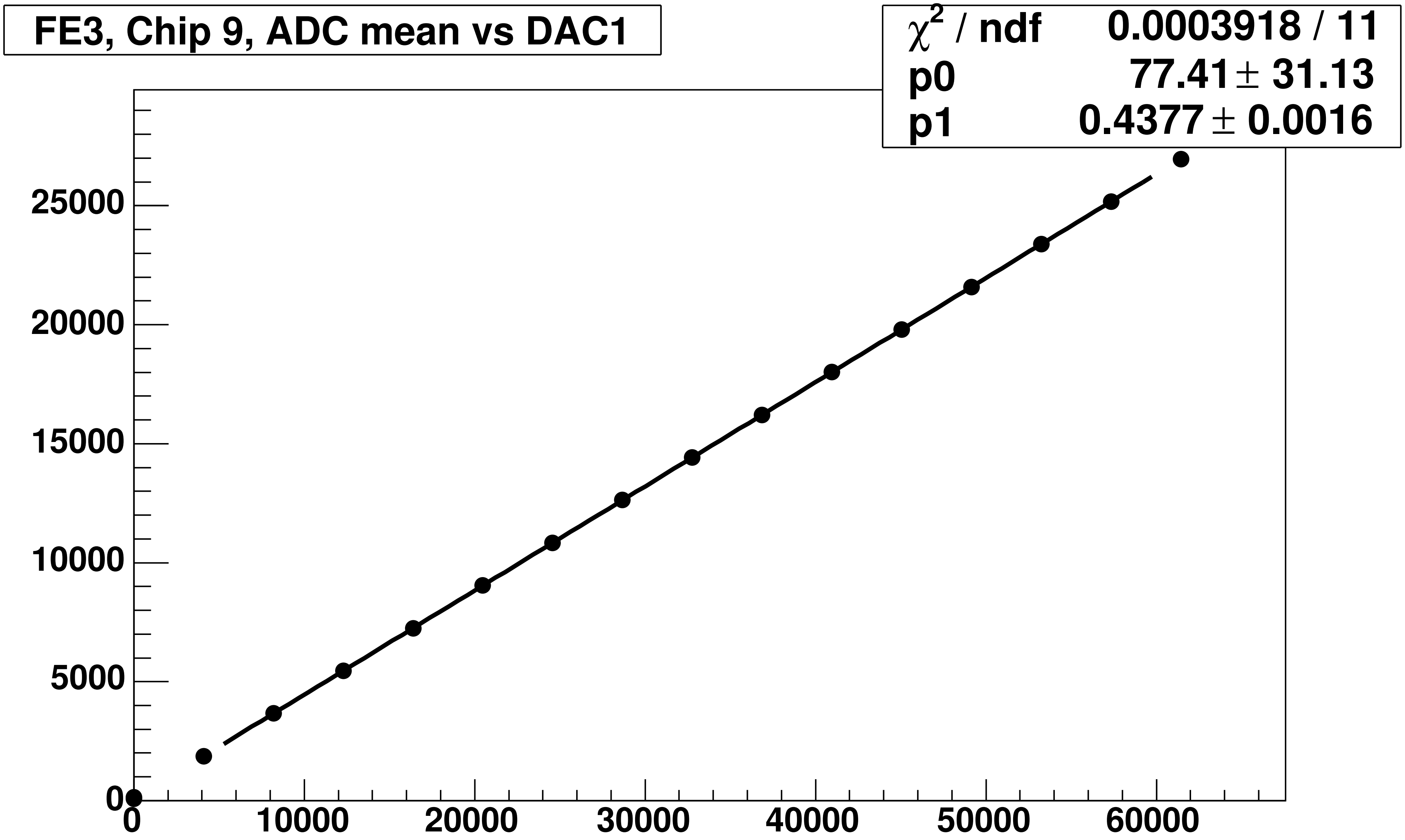
FE3, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.422e-05 / 11
p0 135.8 ± 42.02
p1 0.01412 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000



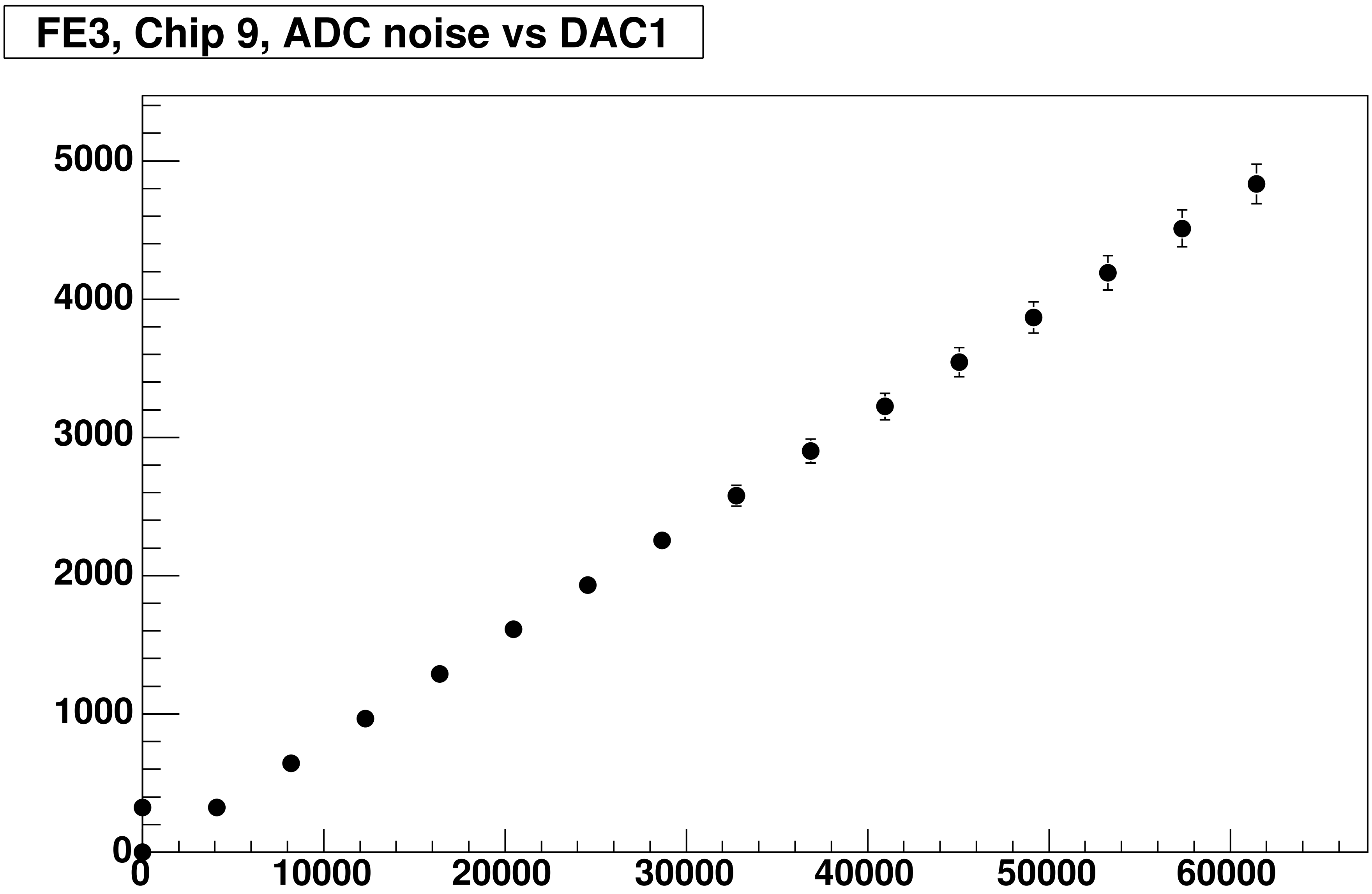
FE3, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



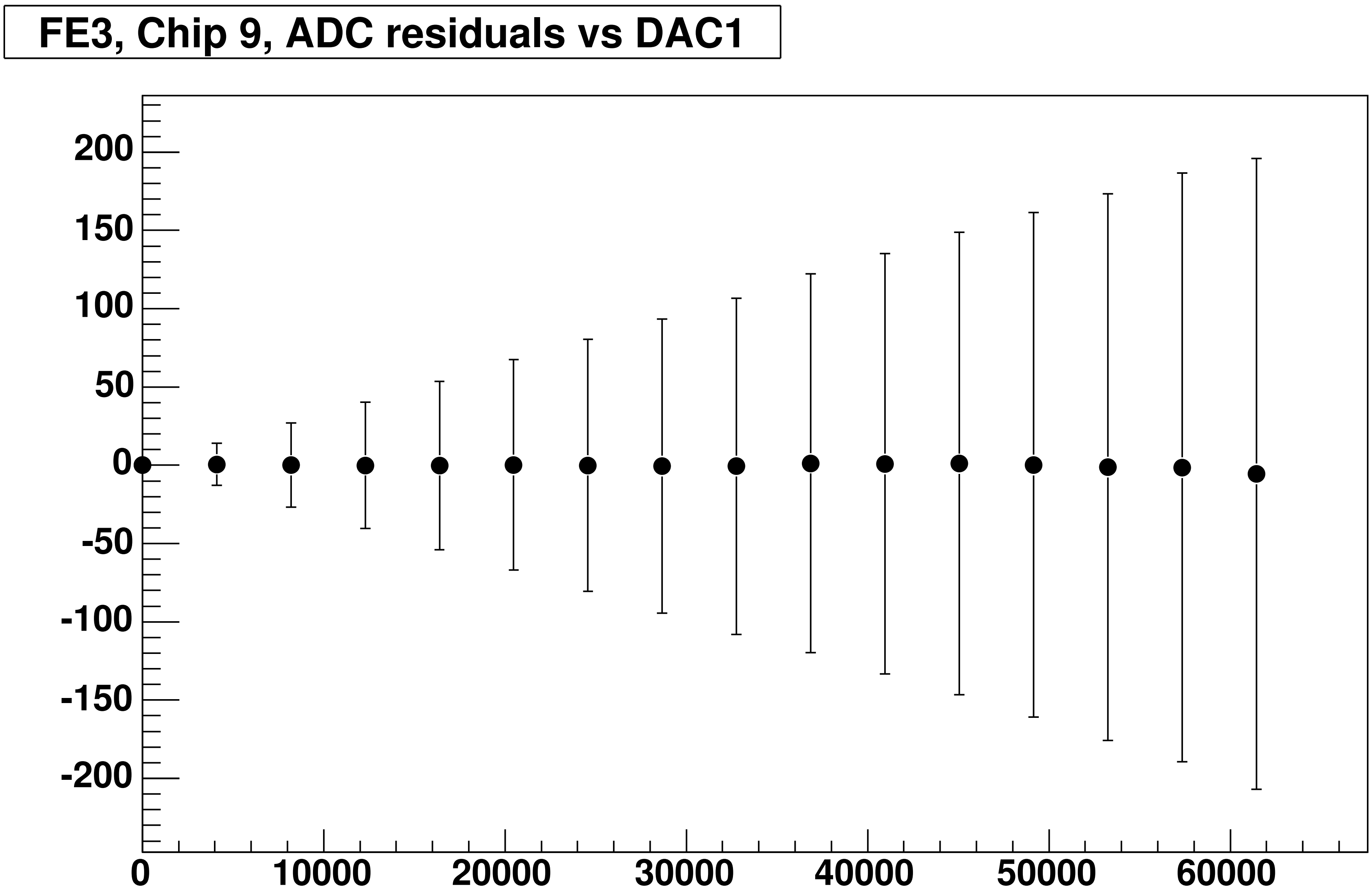
FE3, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

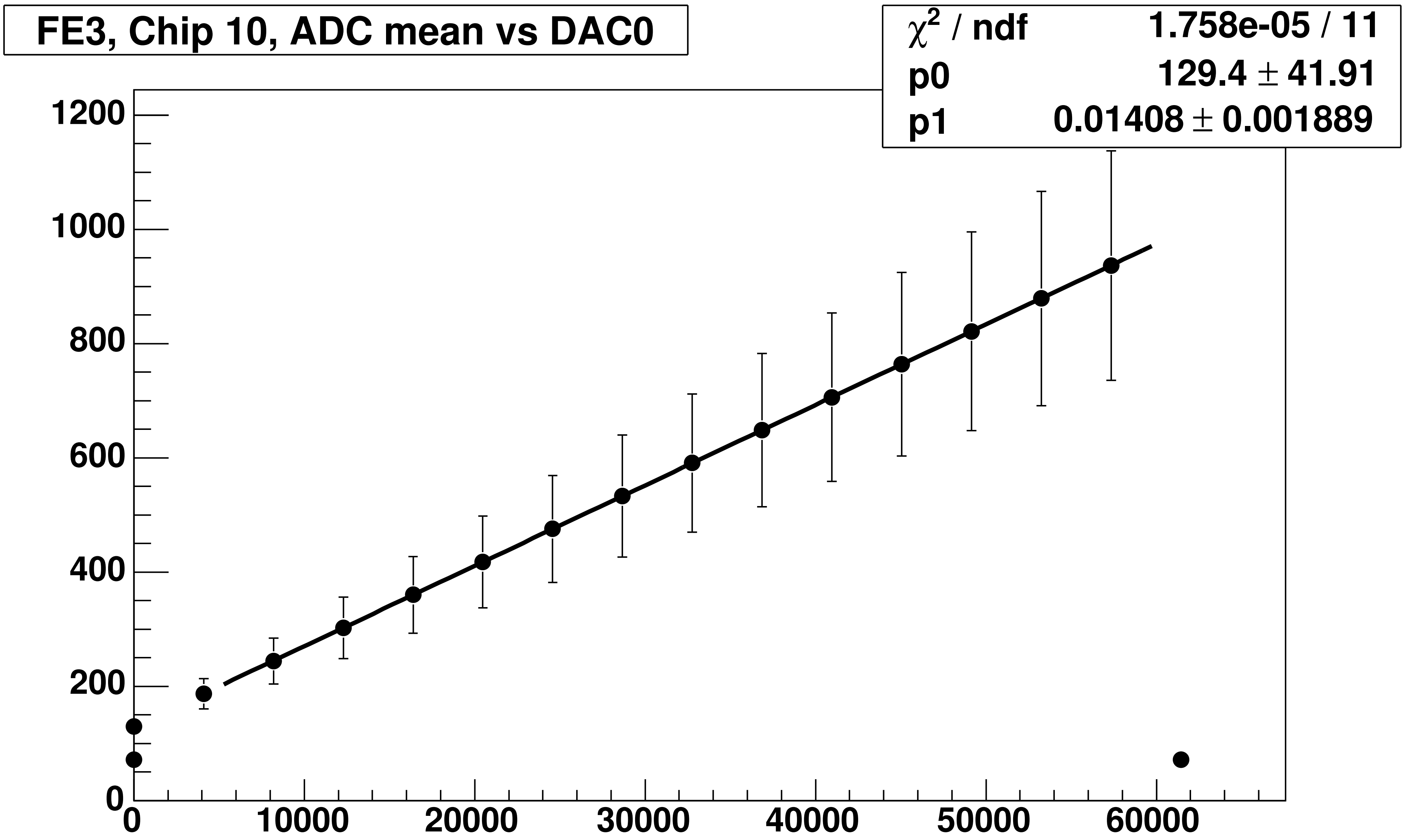


FE3, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0003918 / 11
p0 77.41 ± 31.13
p1 0.4377 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

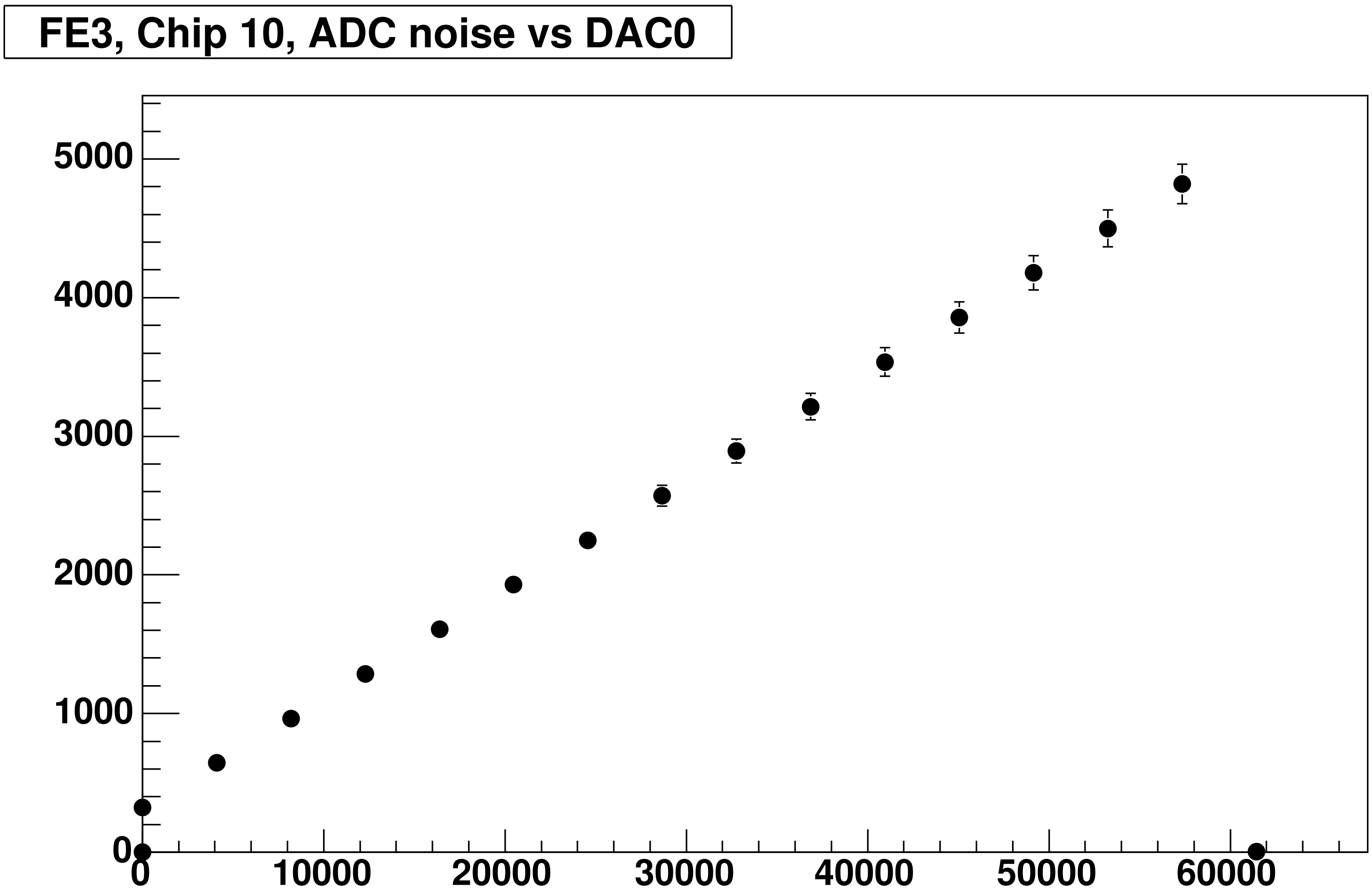


FE3, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

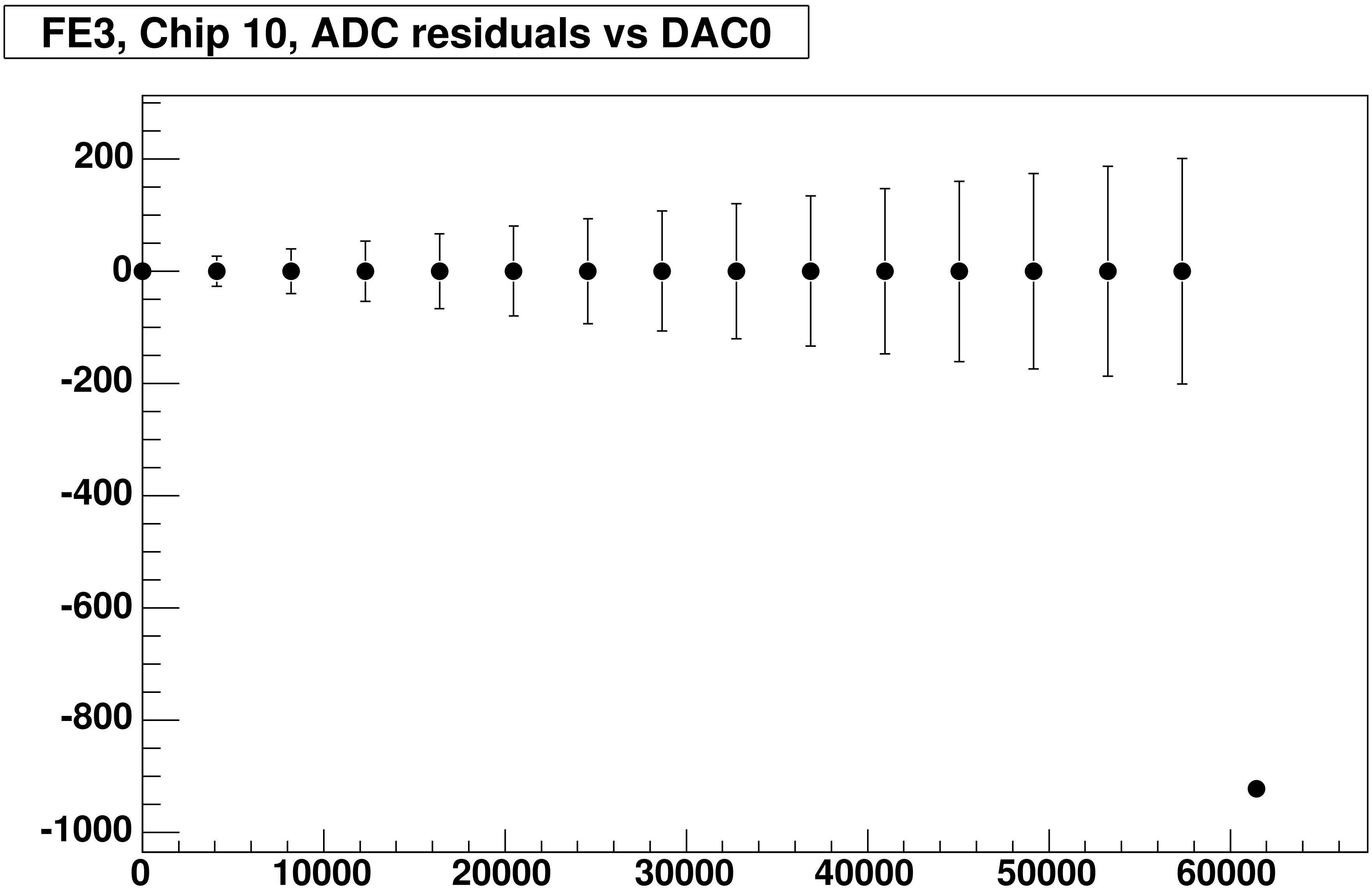

FE3, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



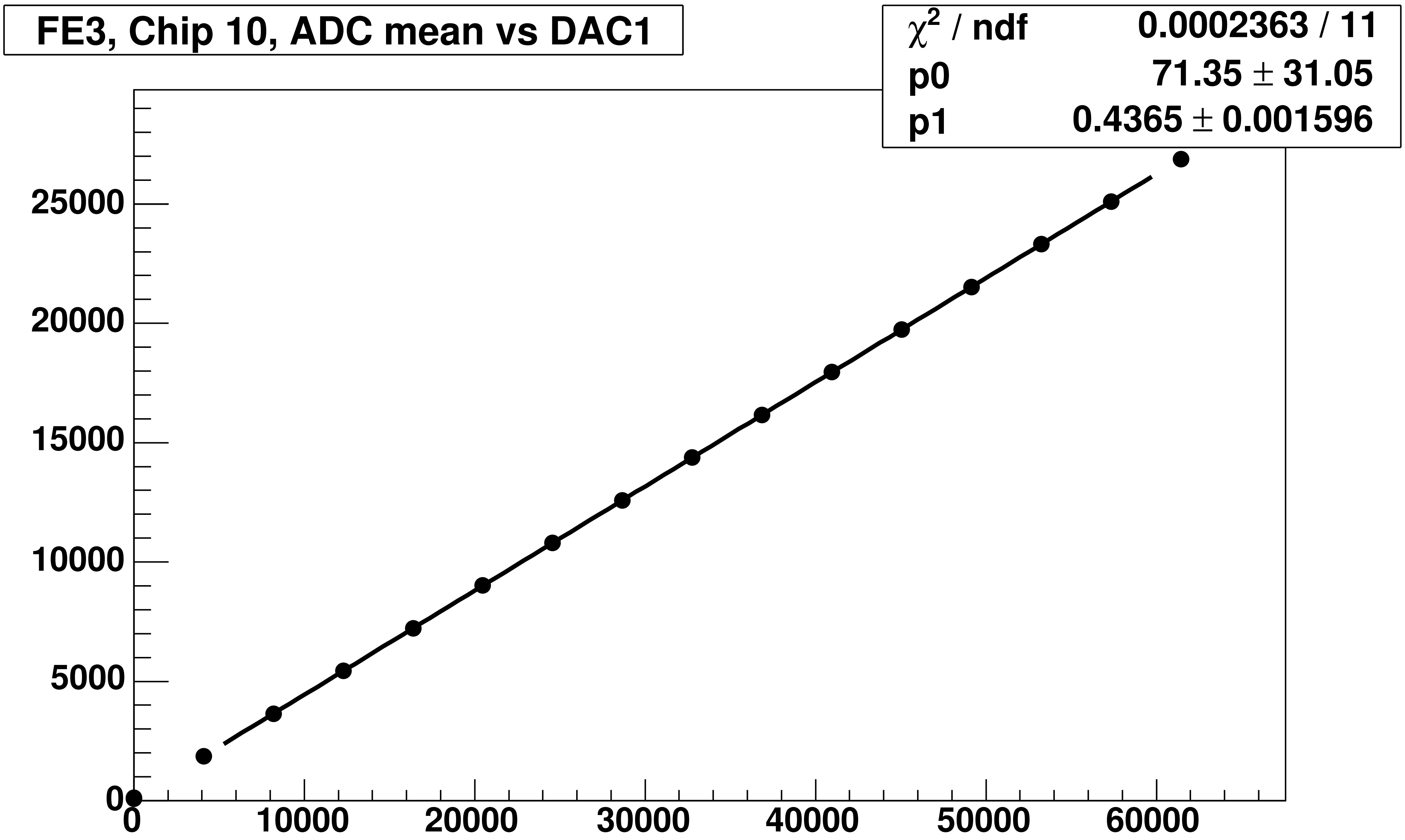
FE3, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1.758e-05 / 11
p0 129.4 ± 41.91
p1 0.01408 ± 0.001889
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000



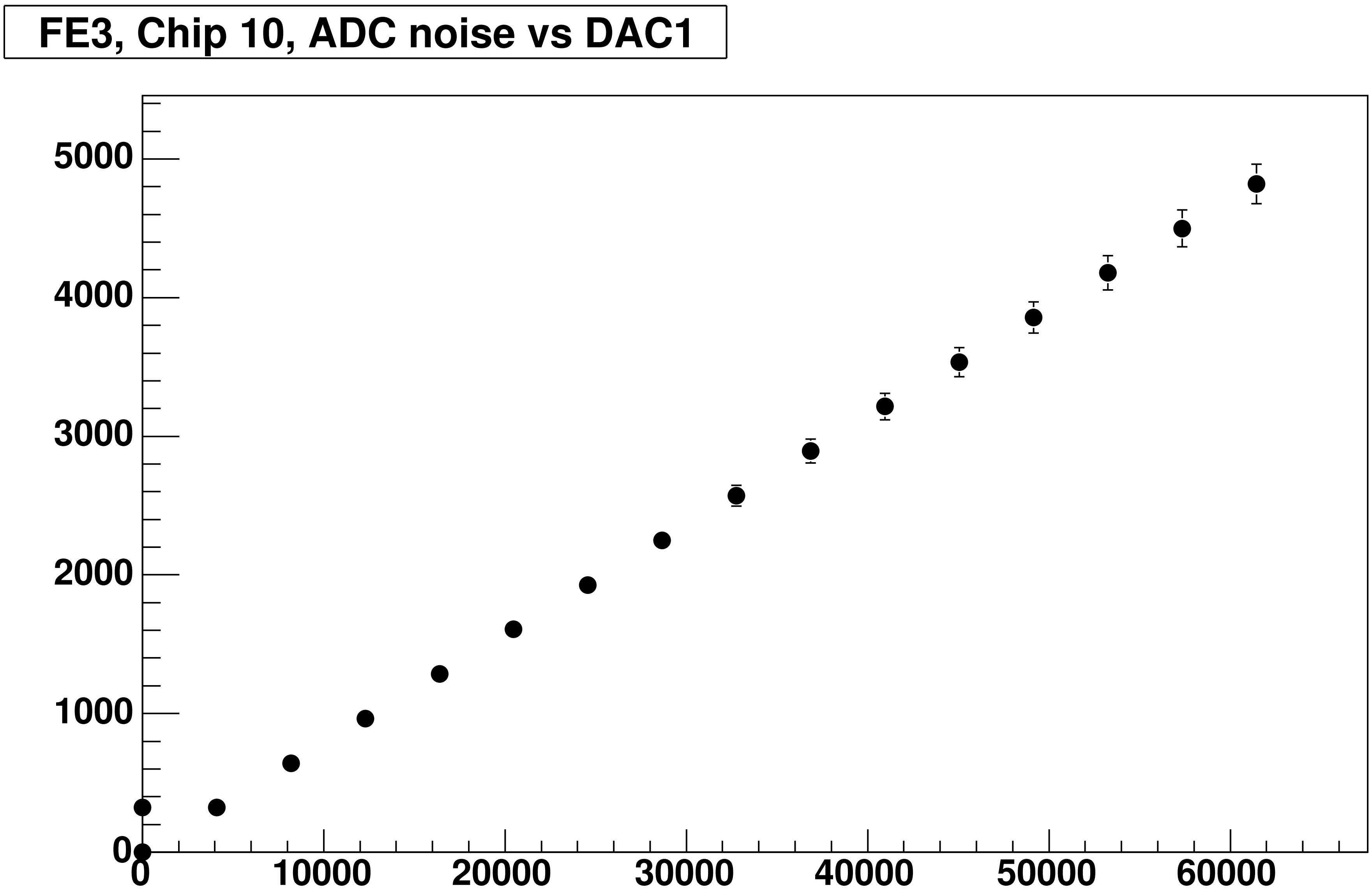
FE3, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

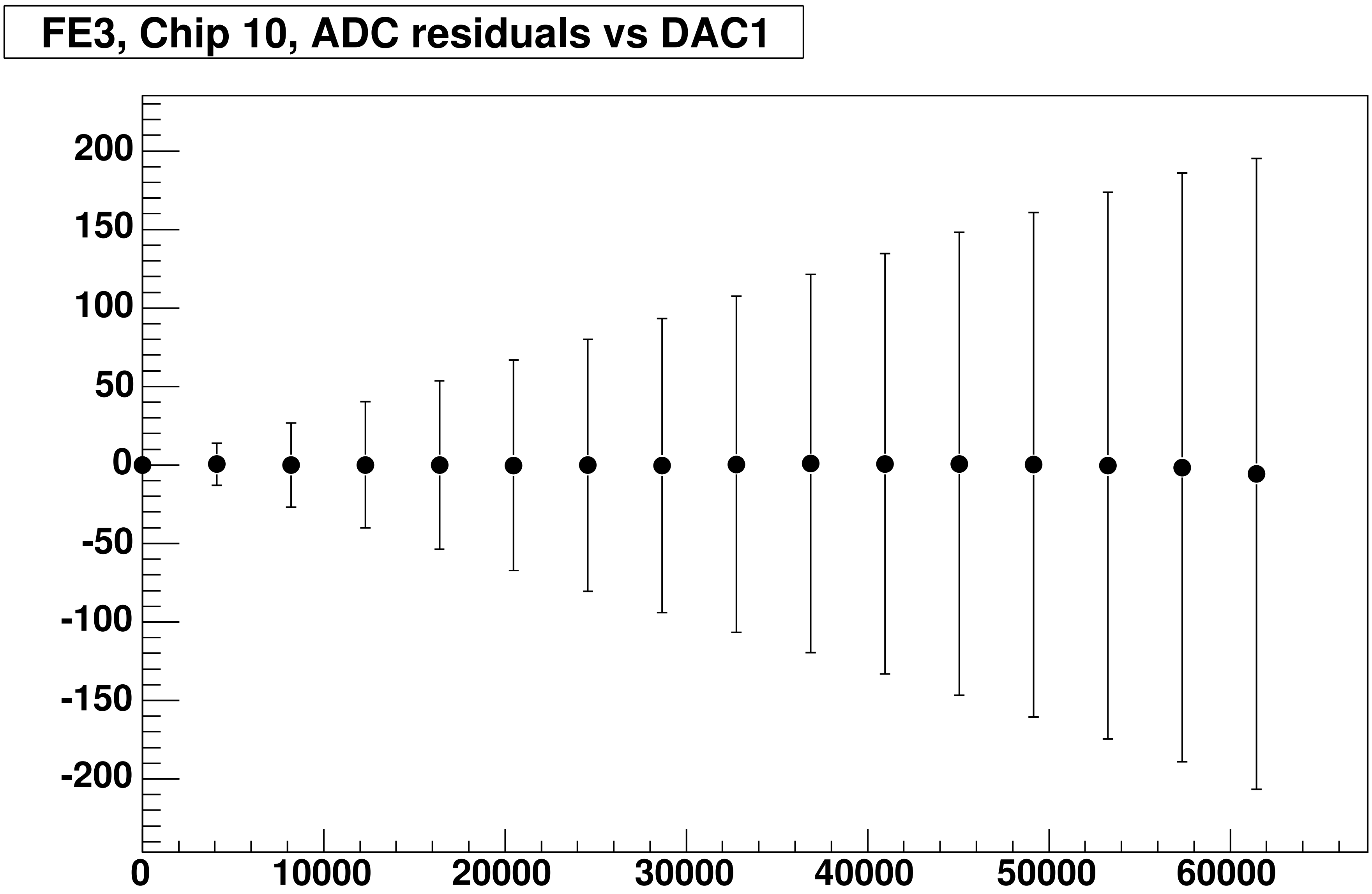


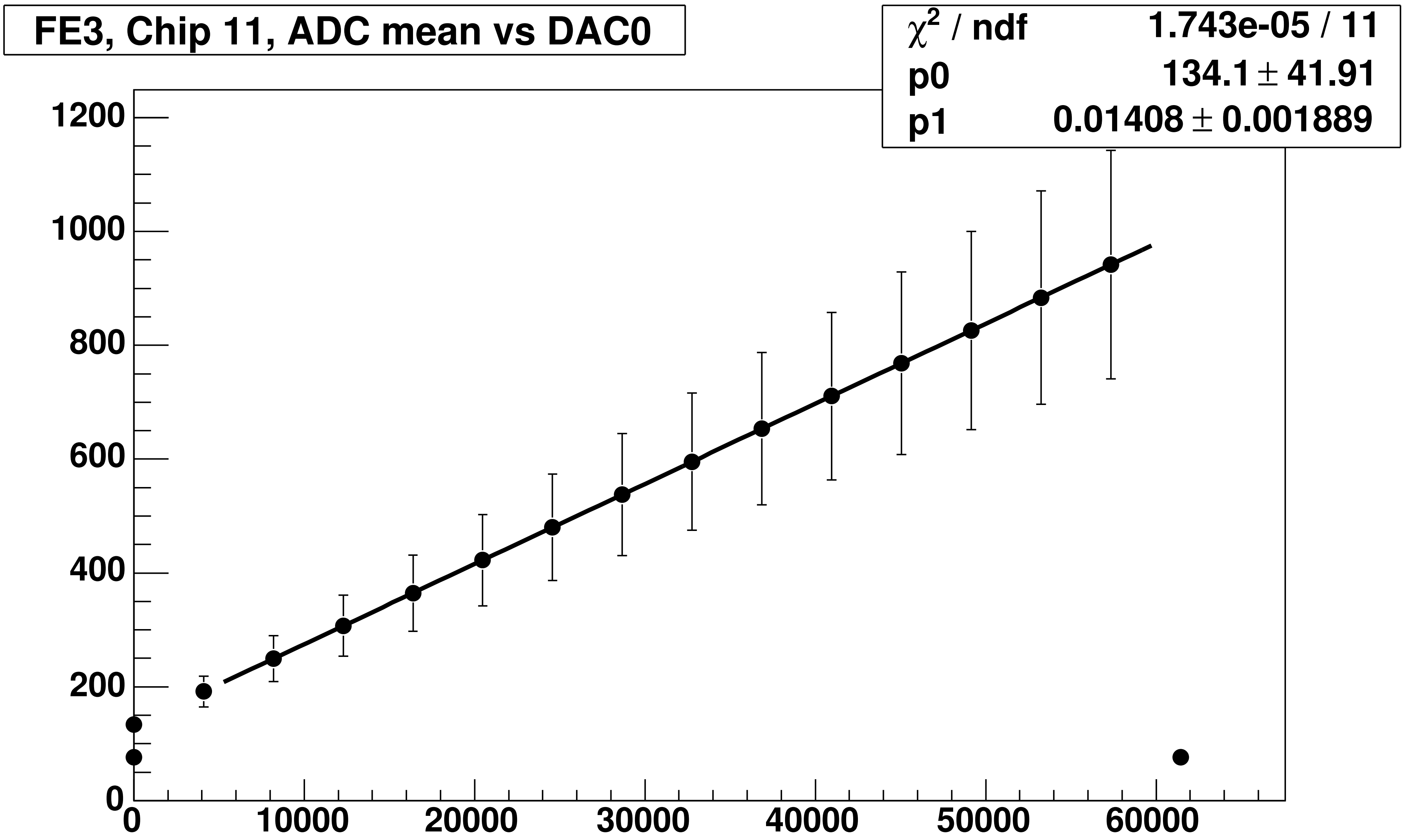
FE3, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



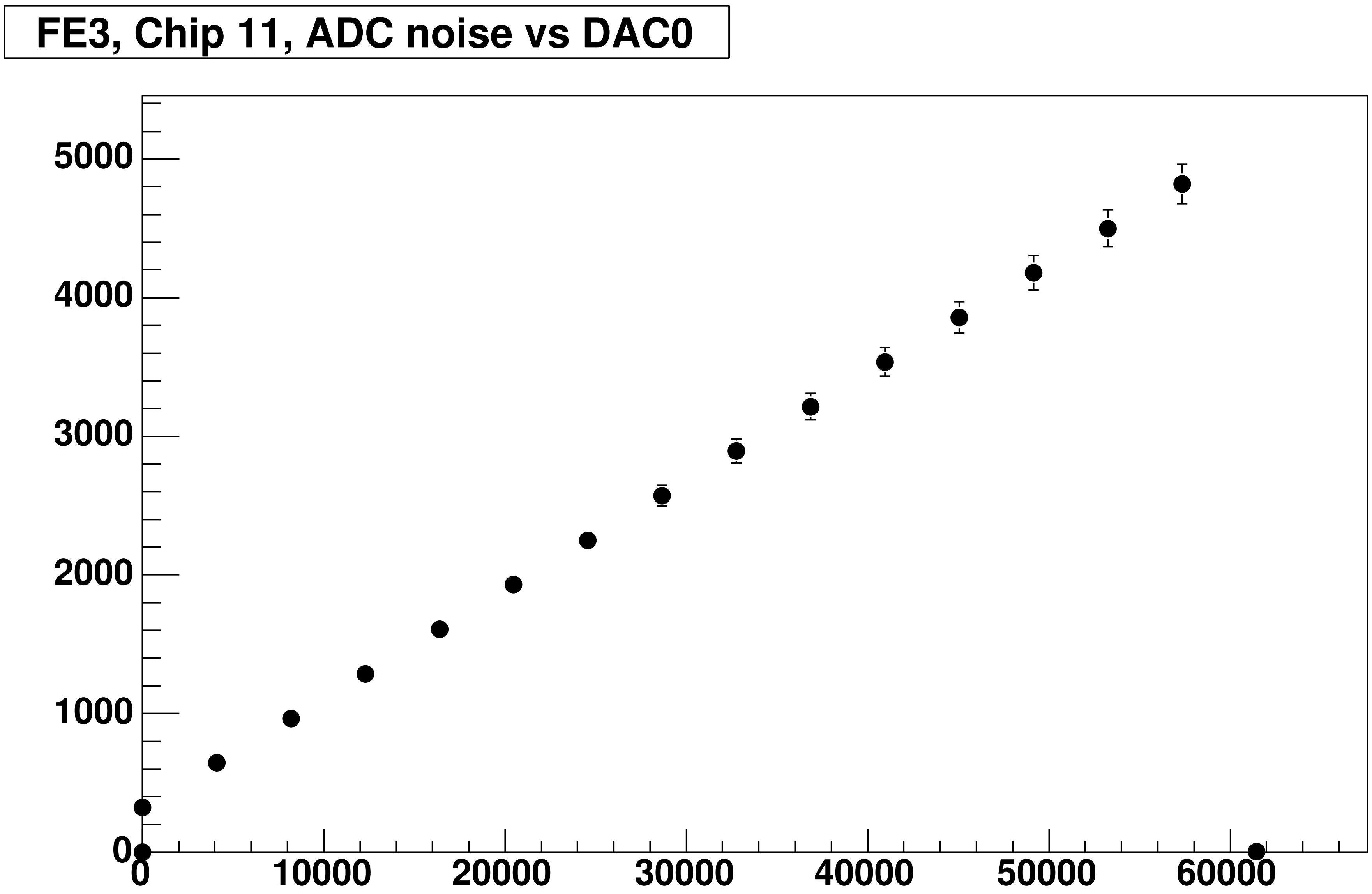
FE3, Chip 10, ADC mean vs DAC1
χ² / ndf 0.0002363 / 11
p0 71.35 ± 31.05
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

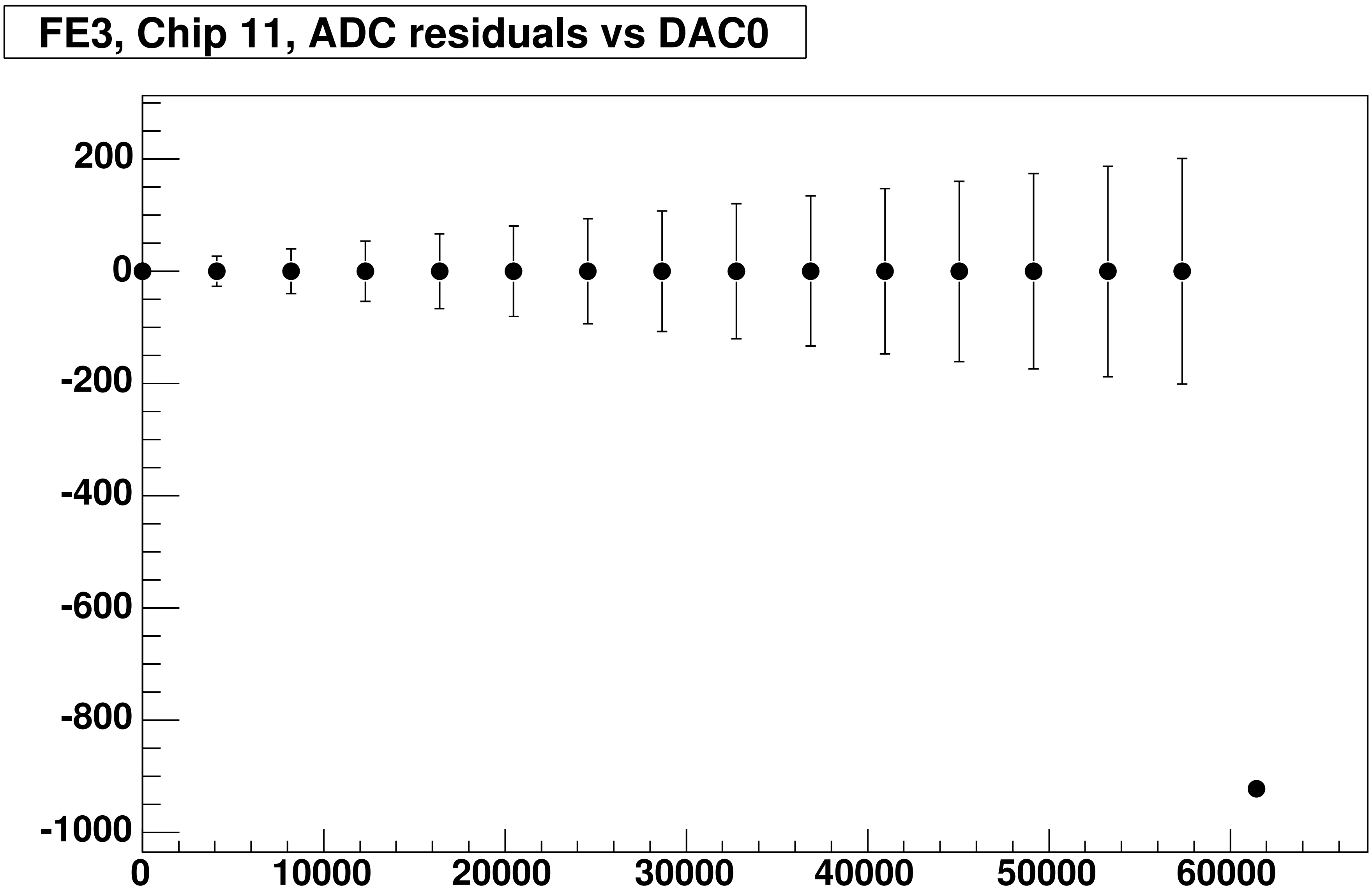

FE3, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE3, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

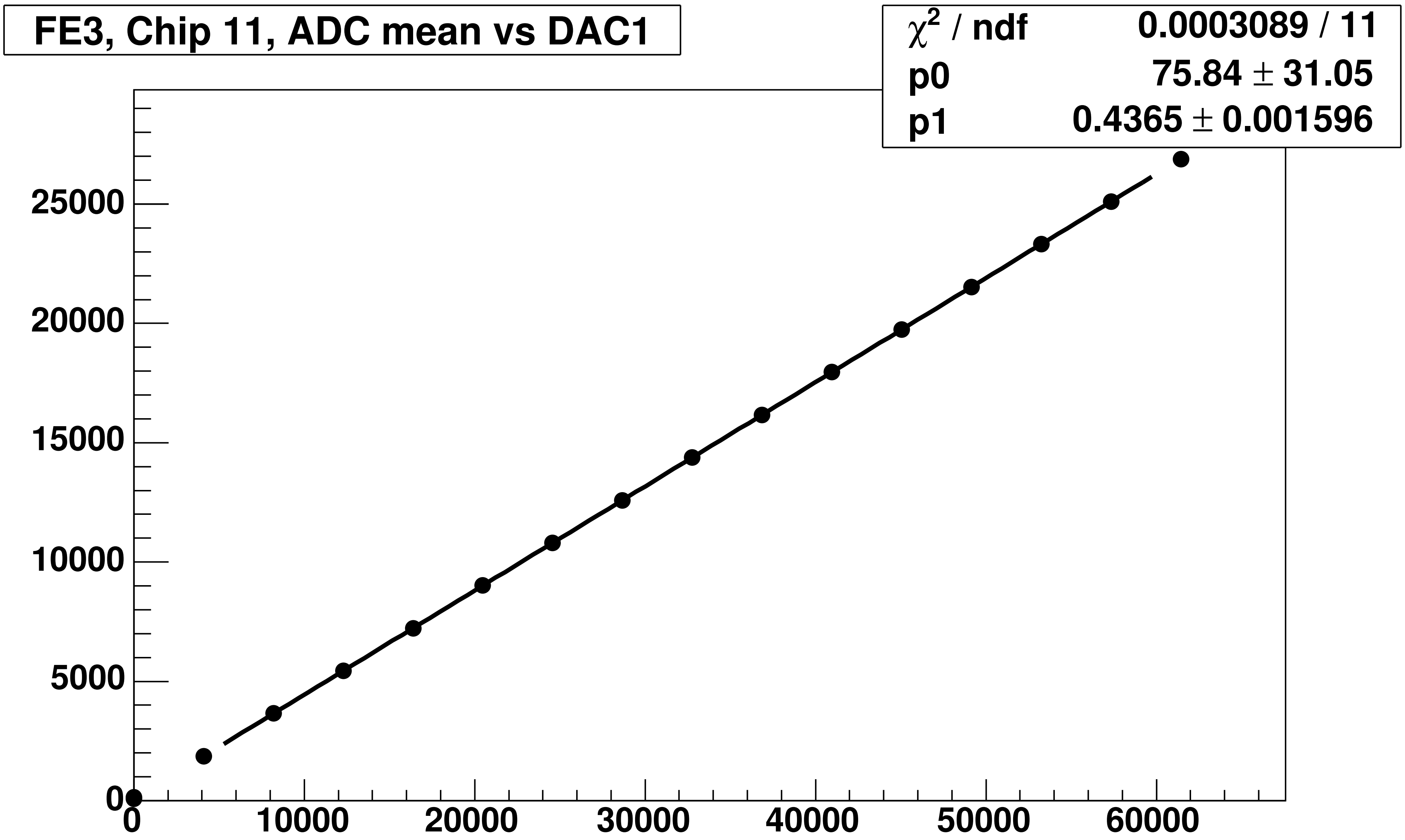


FE3, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1.743e-05 / 11
p0 134.1 ± 41.91
p1 0.01408 ± 0.001889
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

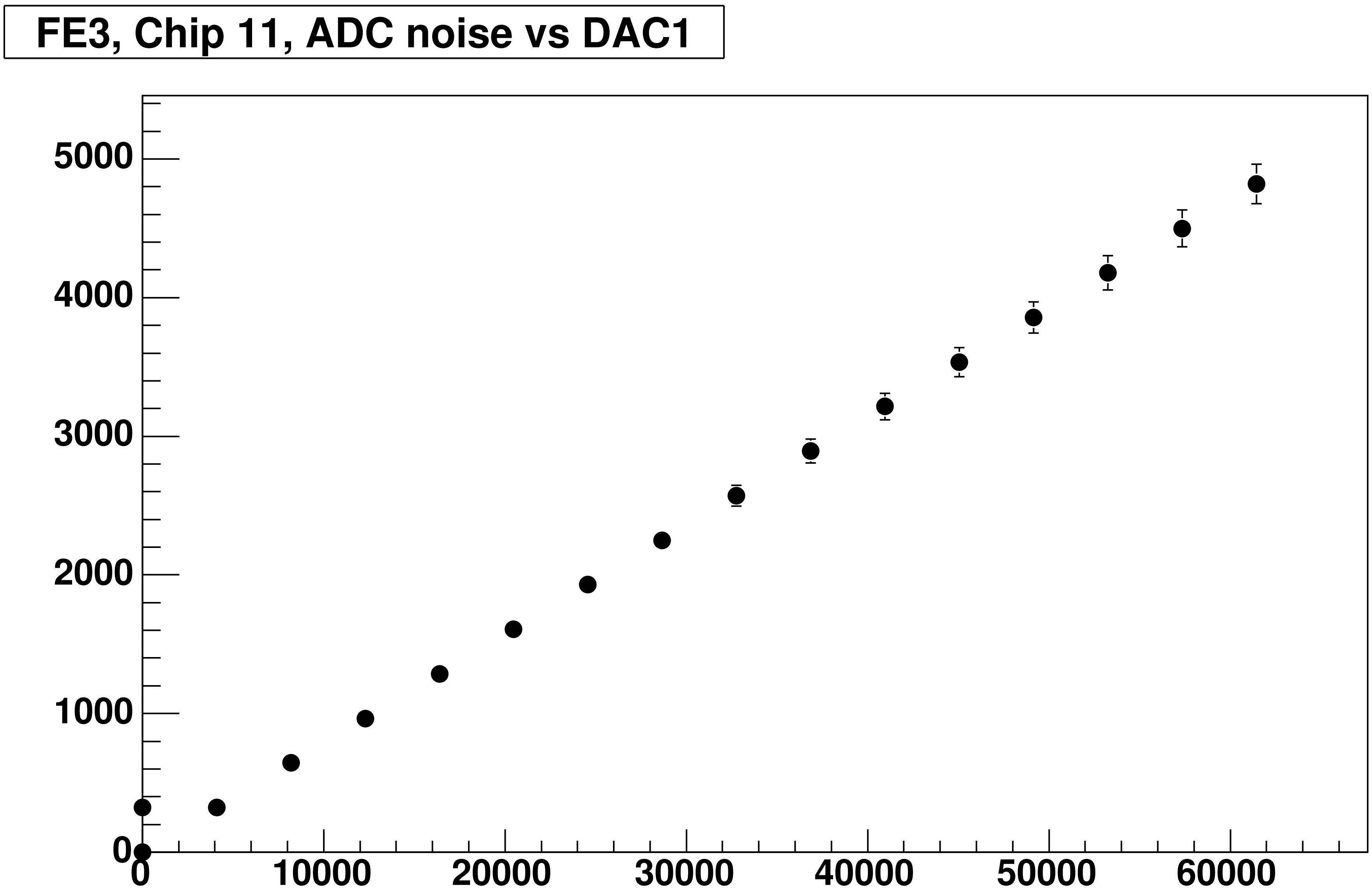

FE3, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

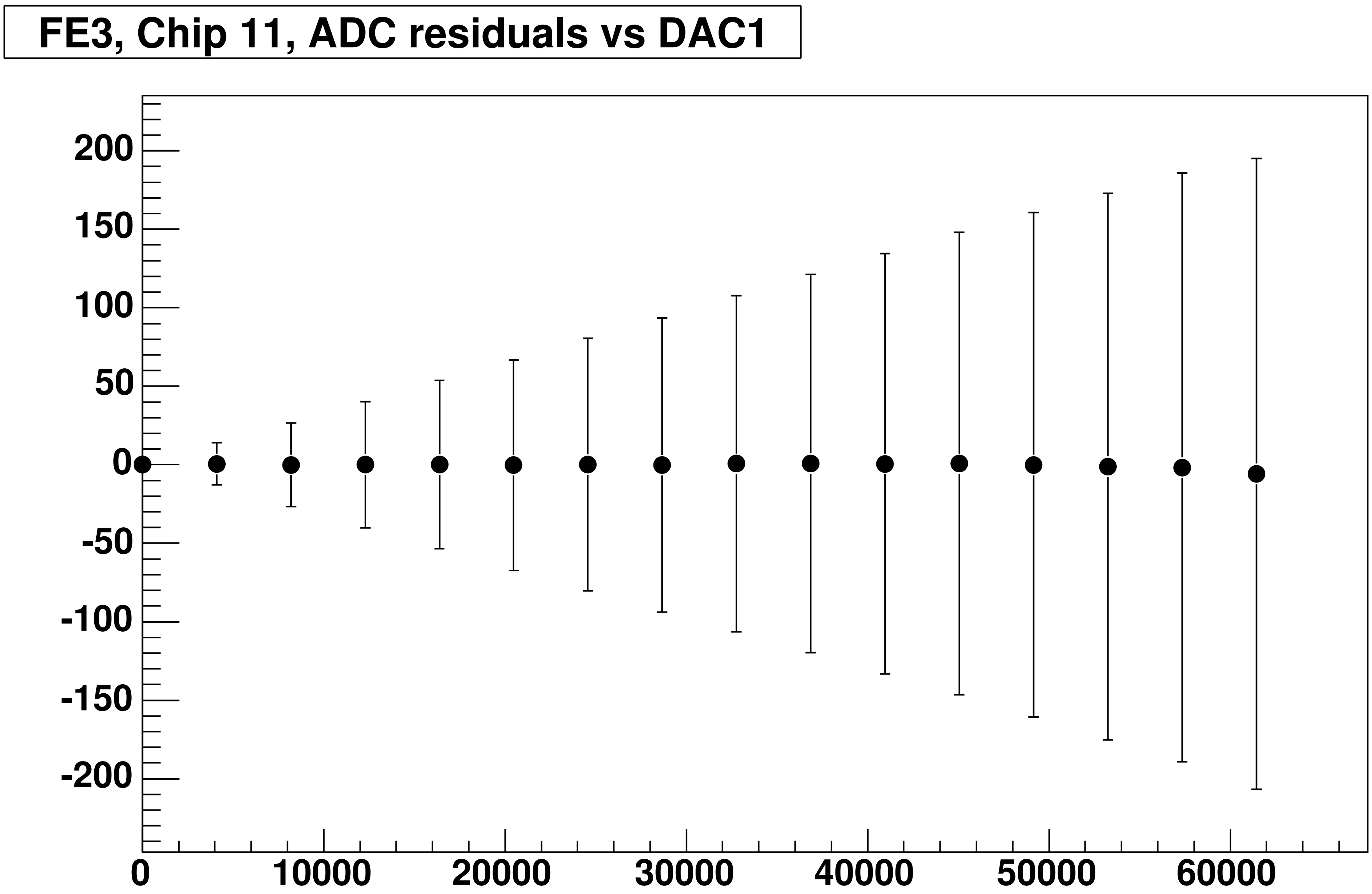


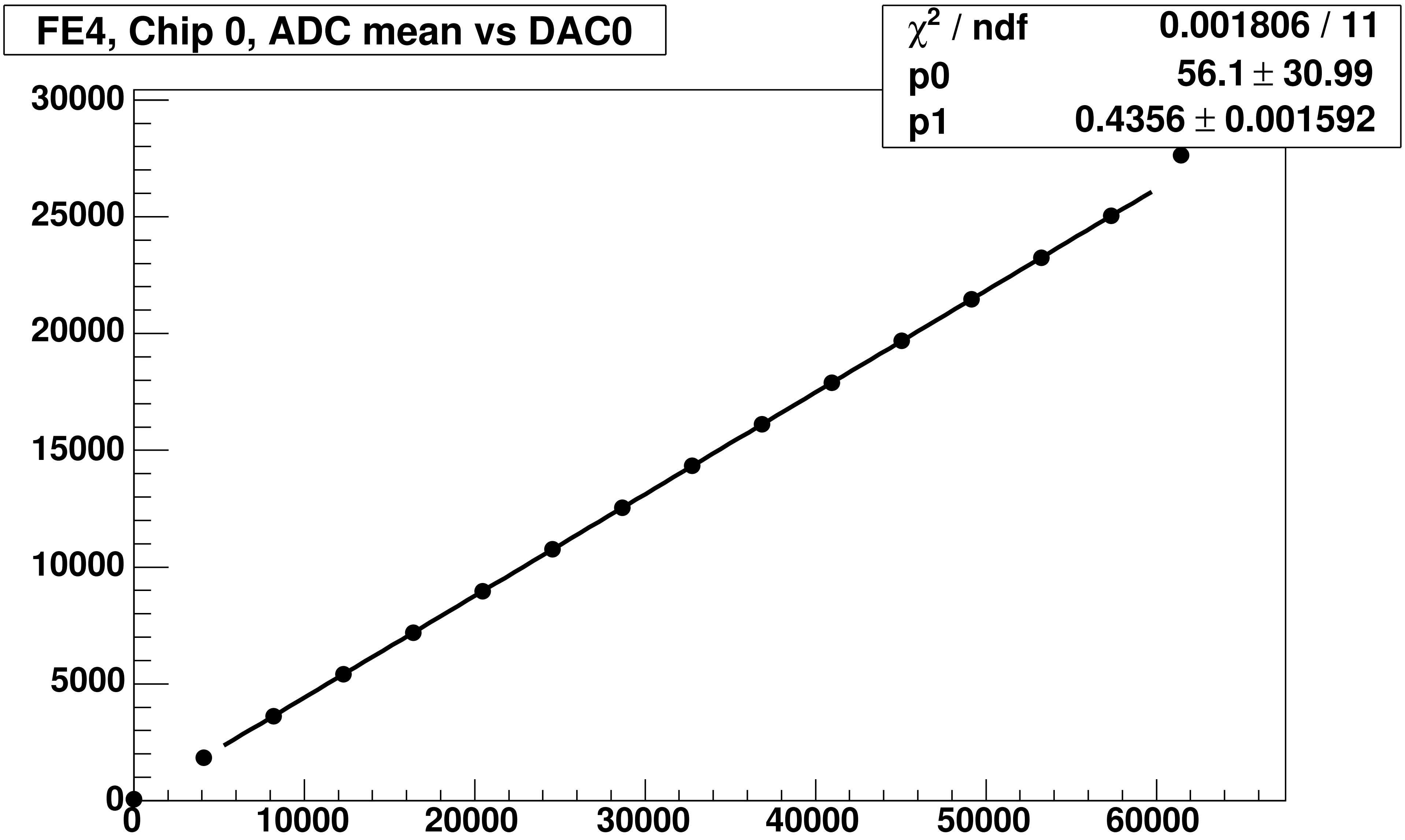
FE3, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



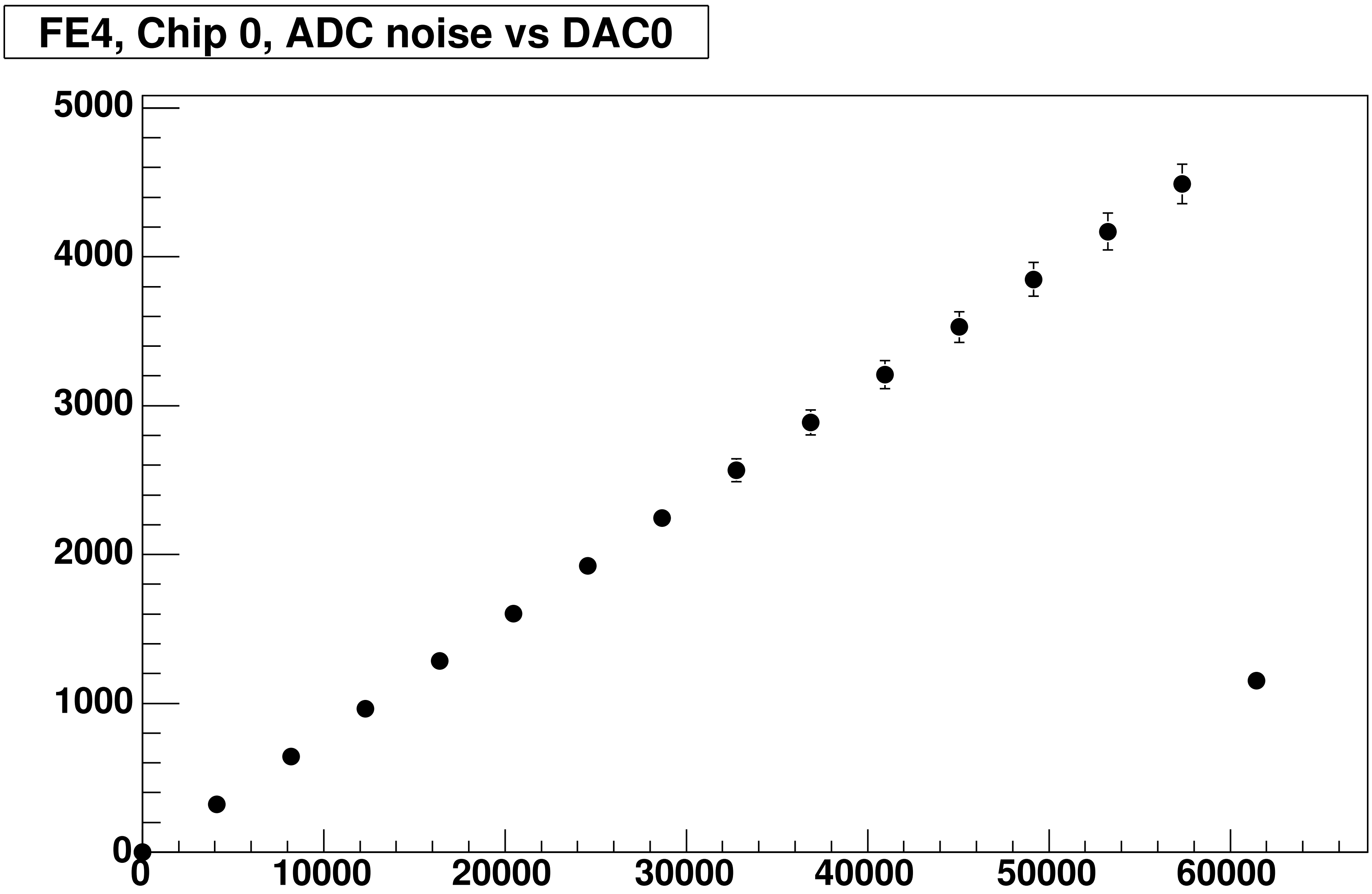
FE3, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0003089 / 11
p0 75.84 ± 31.05
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

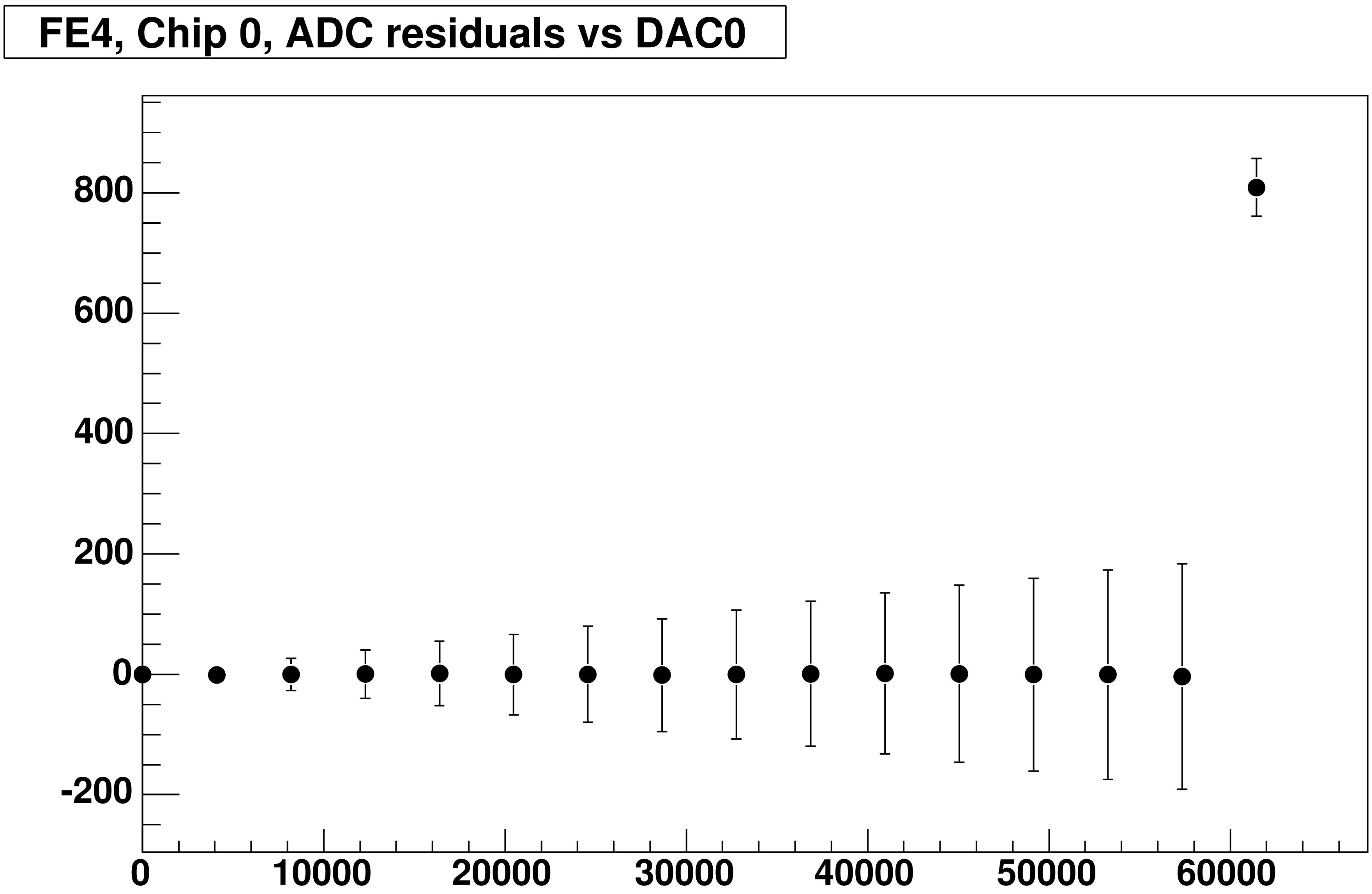

FE3, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

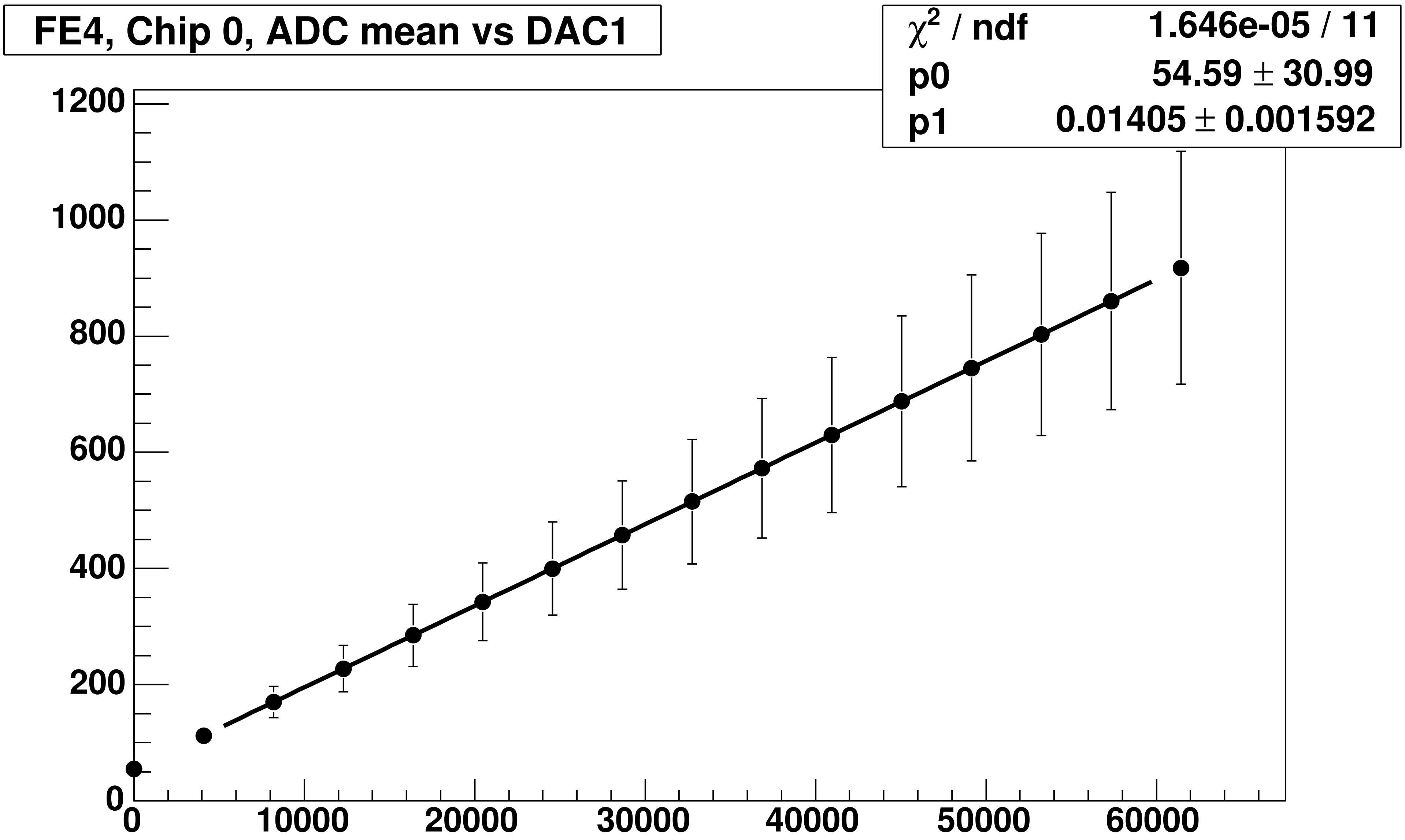

FE3, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

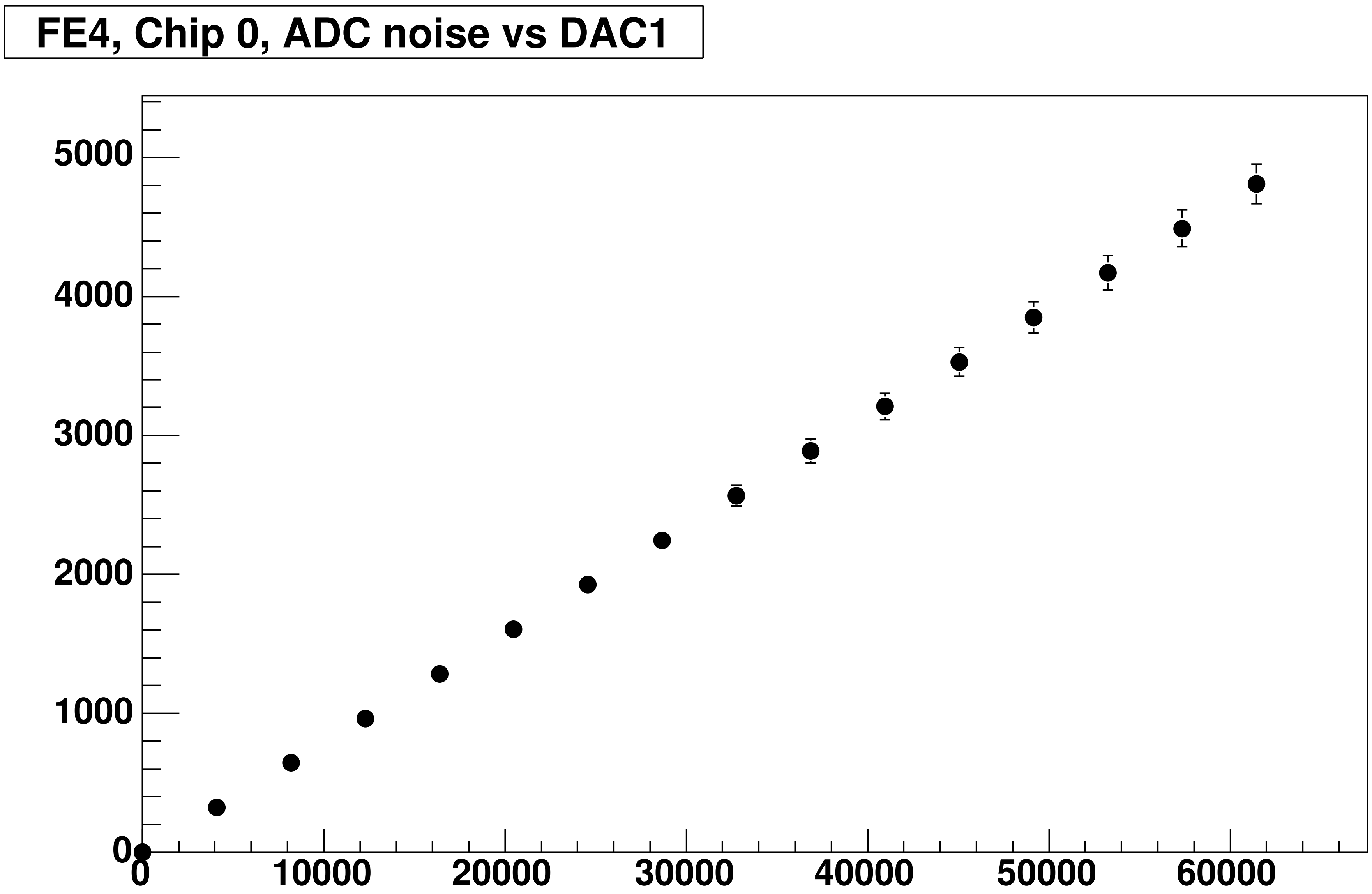


FE4, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001806 / 11
p0 56.1 ± 30.99
p1 0.4356 ± 0.001592
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

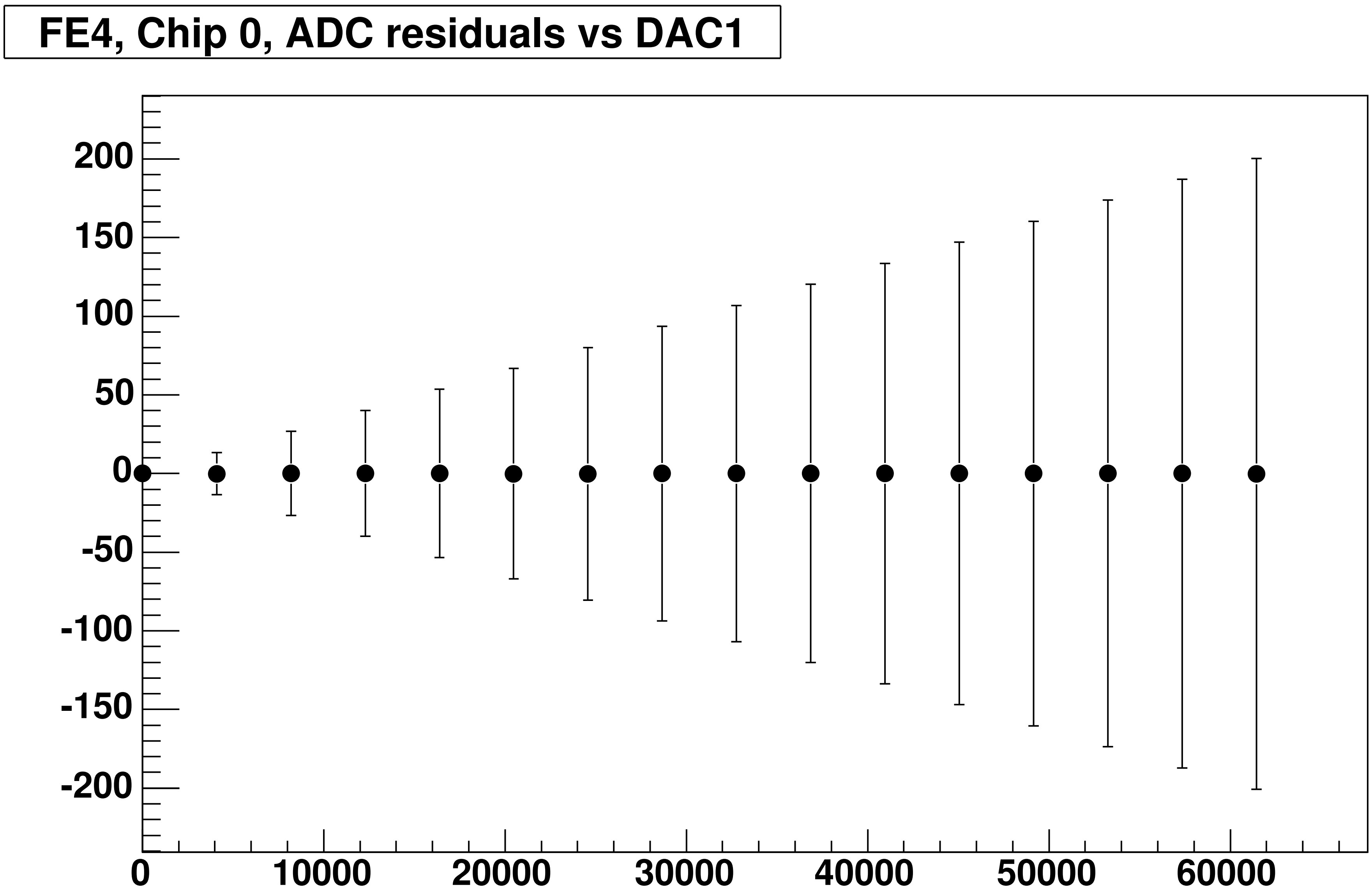

FE4, Chip 0, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

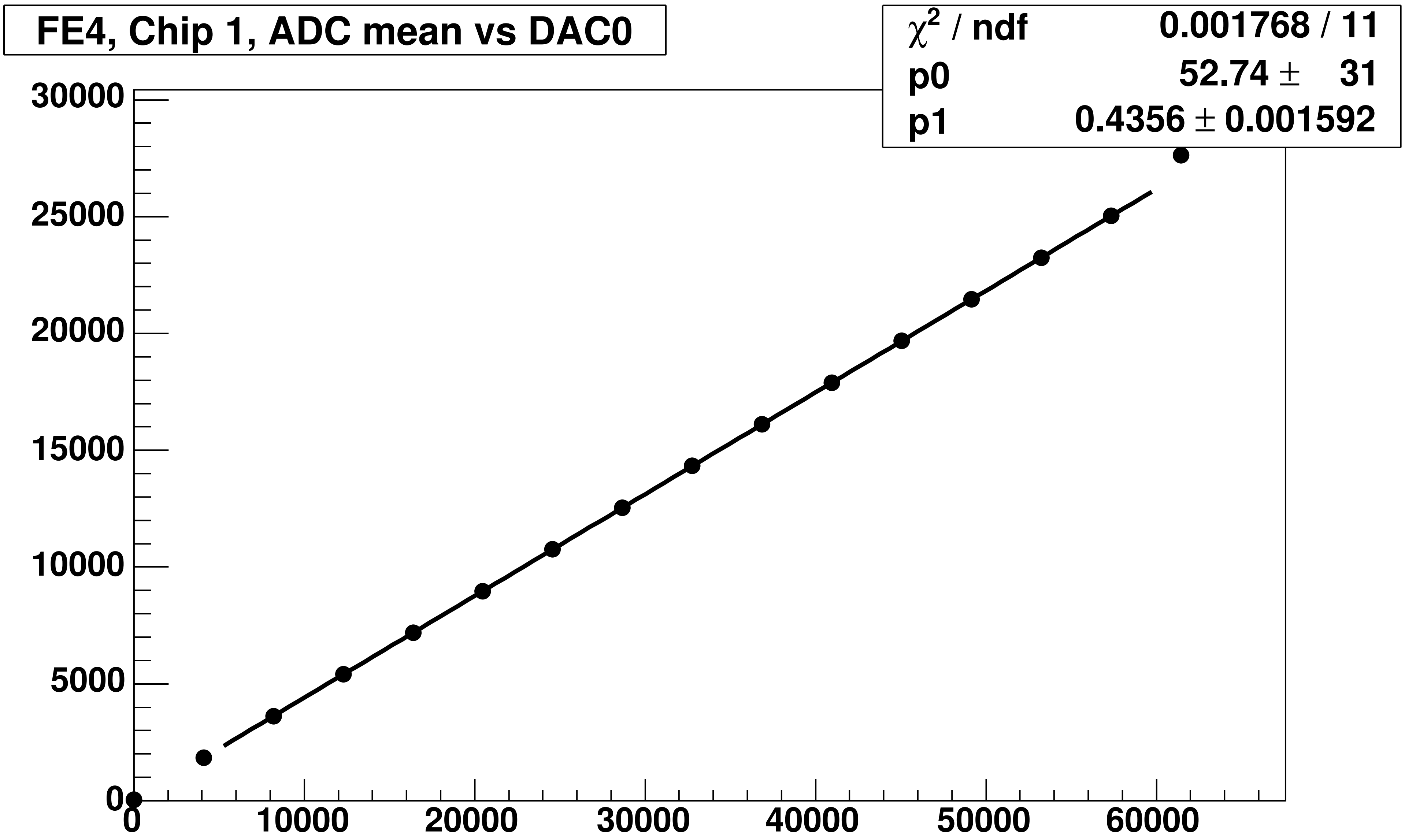

FE4, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 0, ADC mean vs DAC1
χ^2 / ndf 1.646e-05 / 11
p0 54.59 ± 30.99
p1 0.01405 ± 0.001592
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

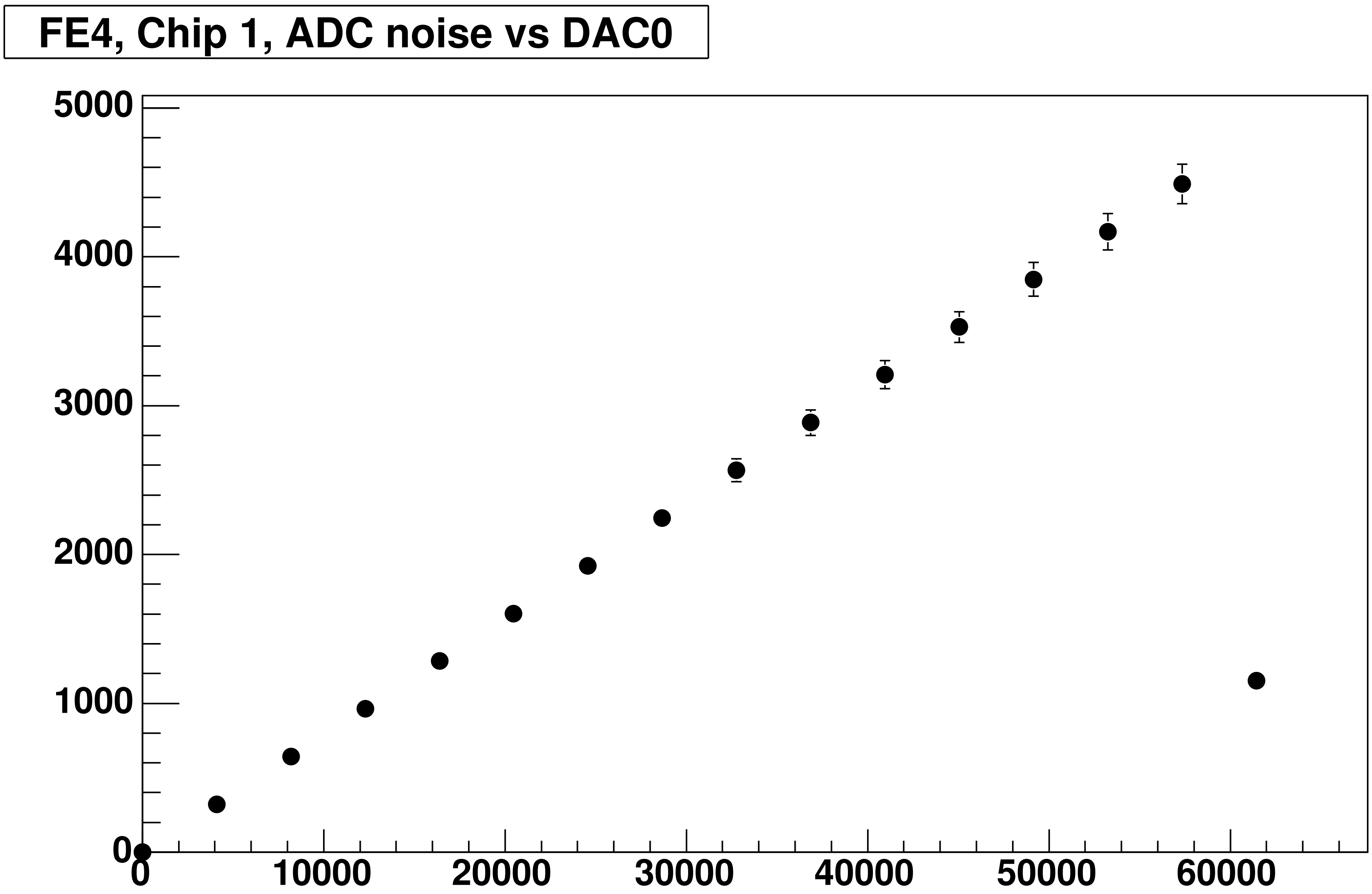


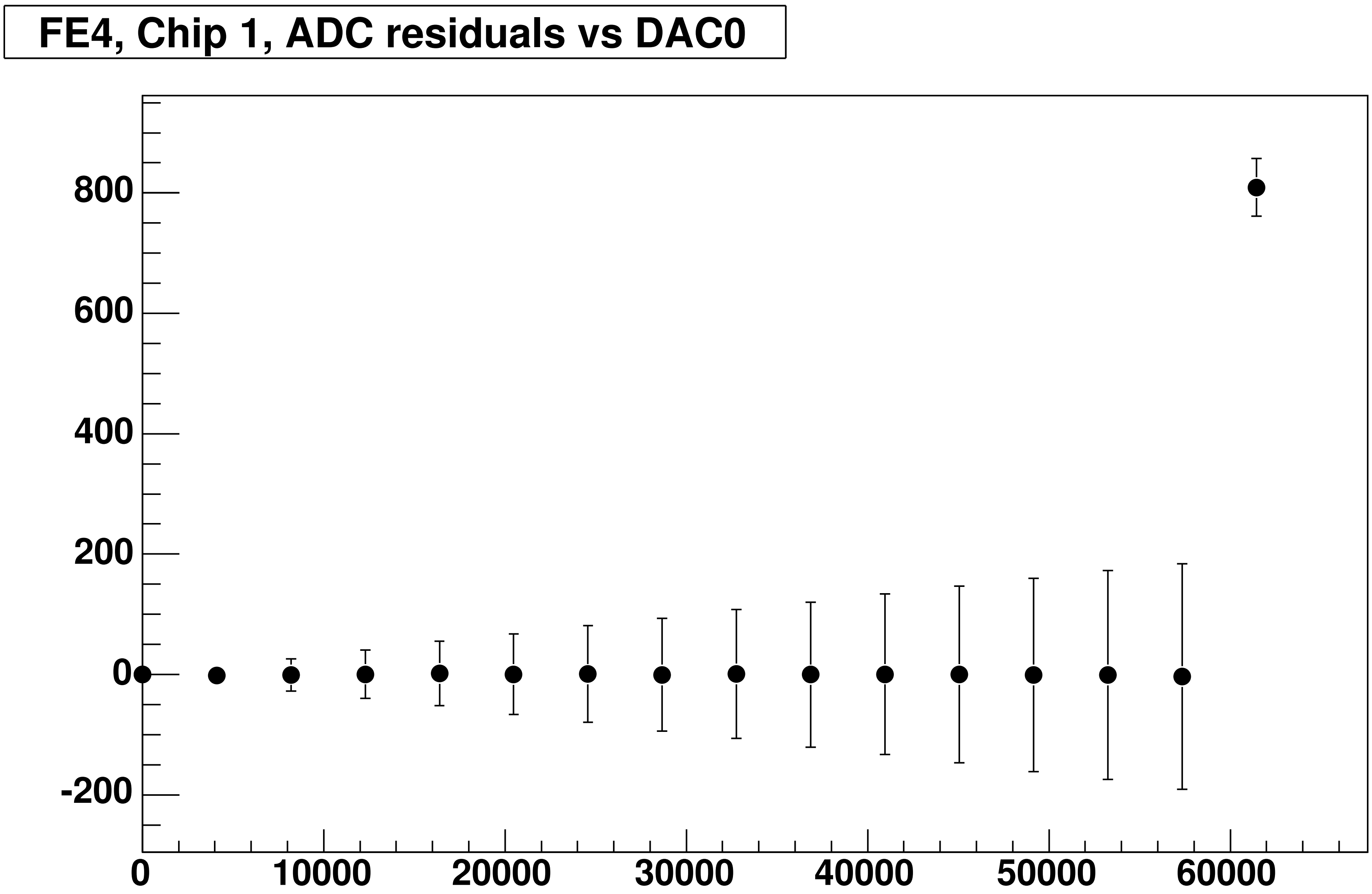
FE4, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

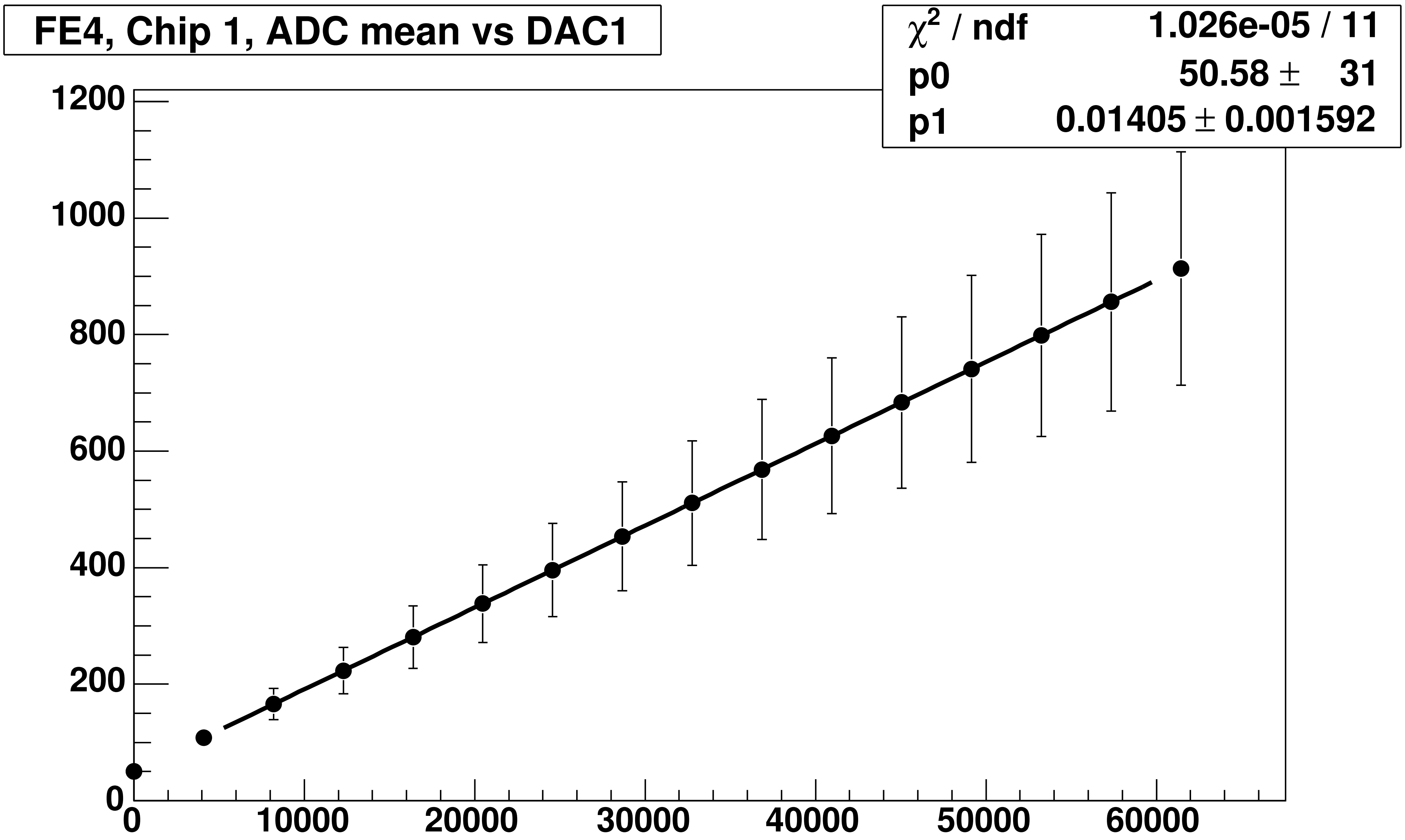


FE4, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.001768 / 11
p0 52.74 ± 31
p1 0.4356 ± 0.001592
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

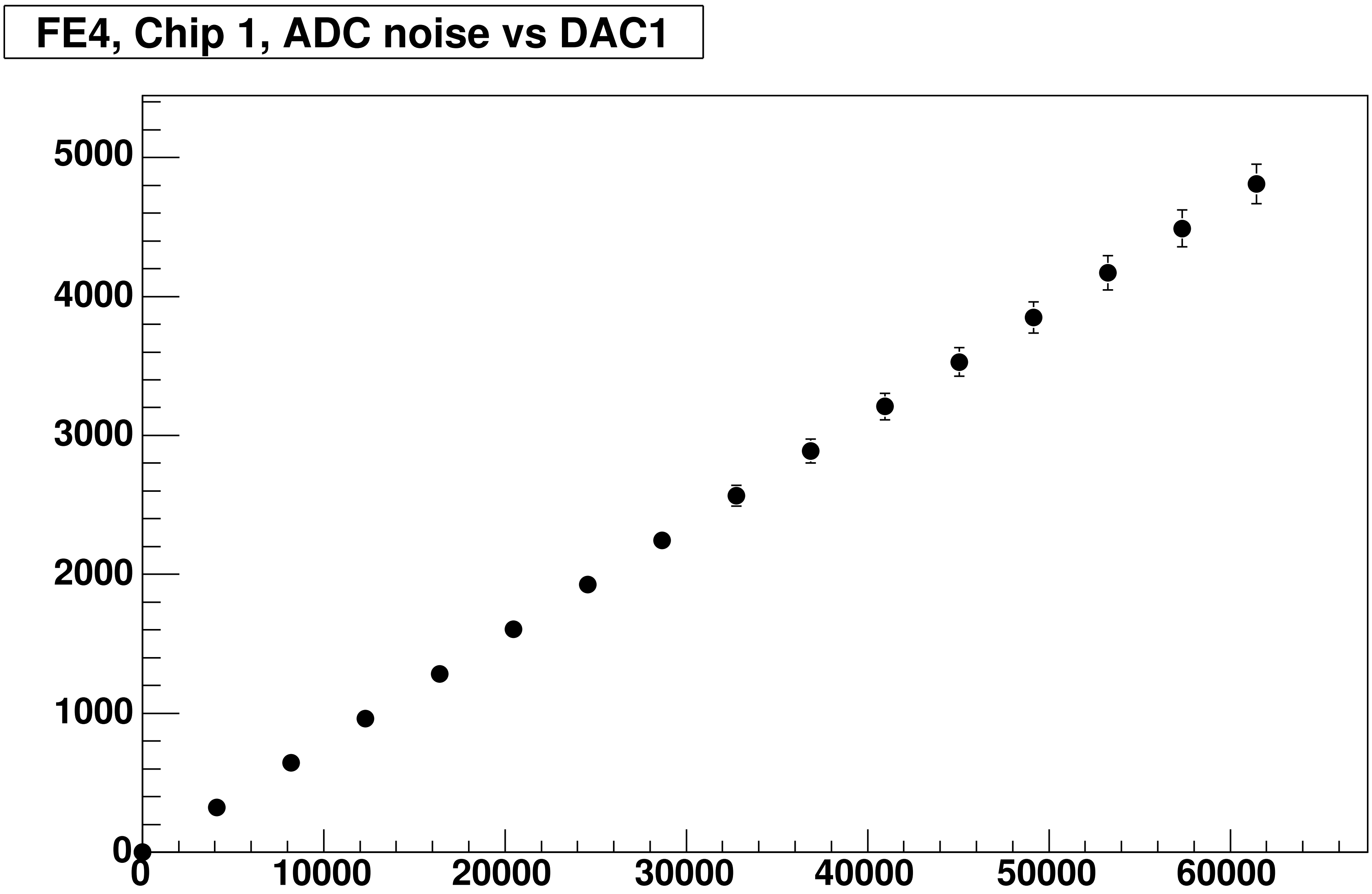

FE4, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

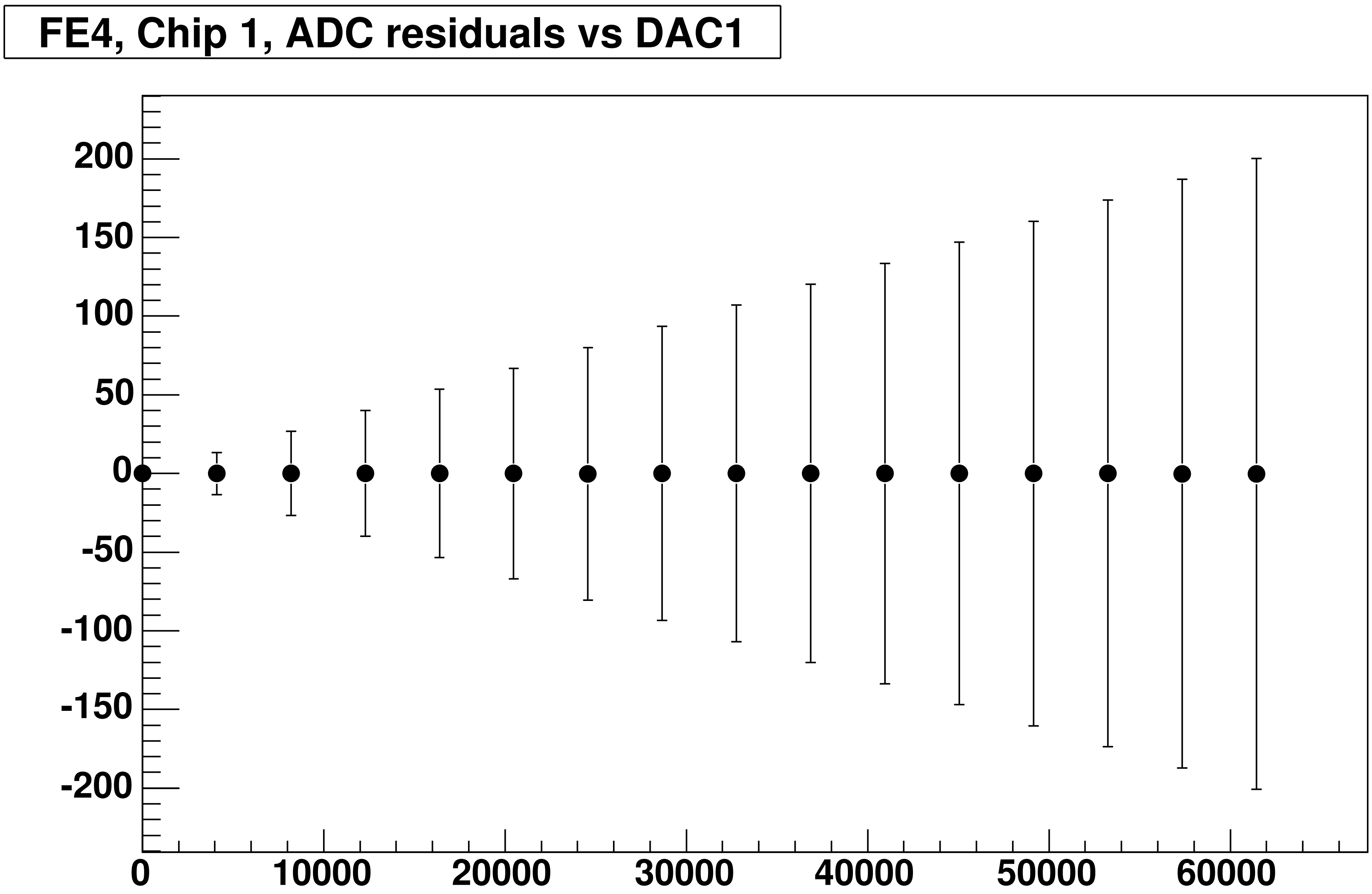


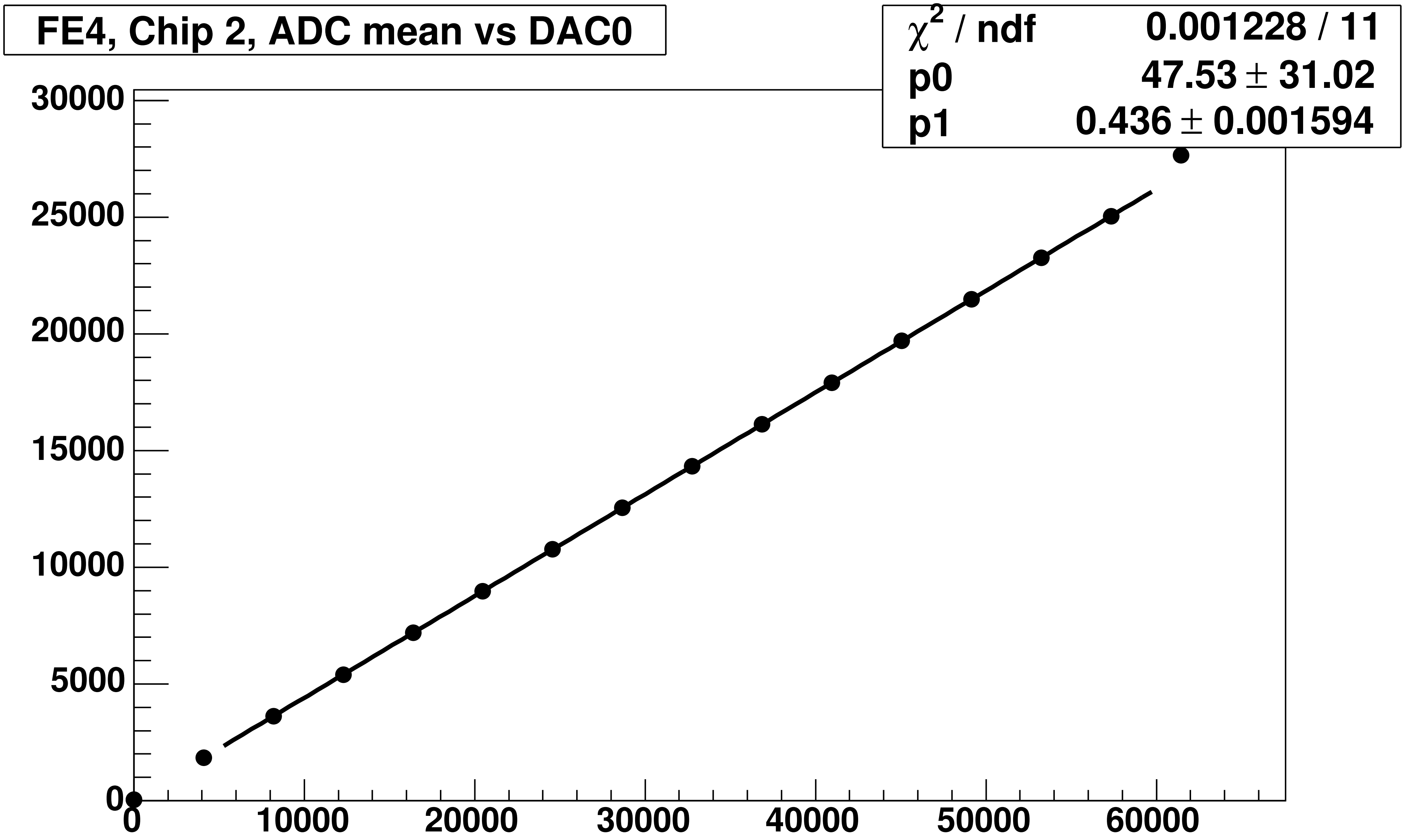
FE4, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



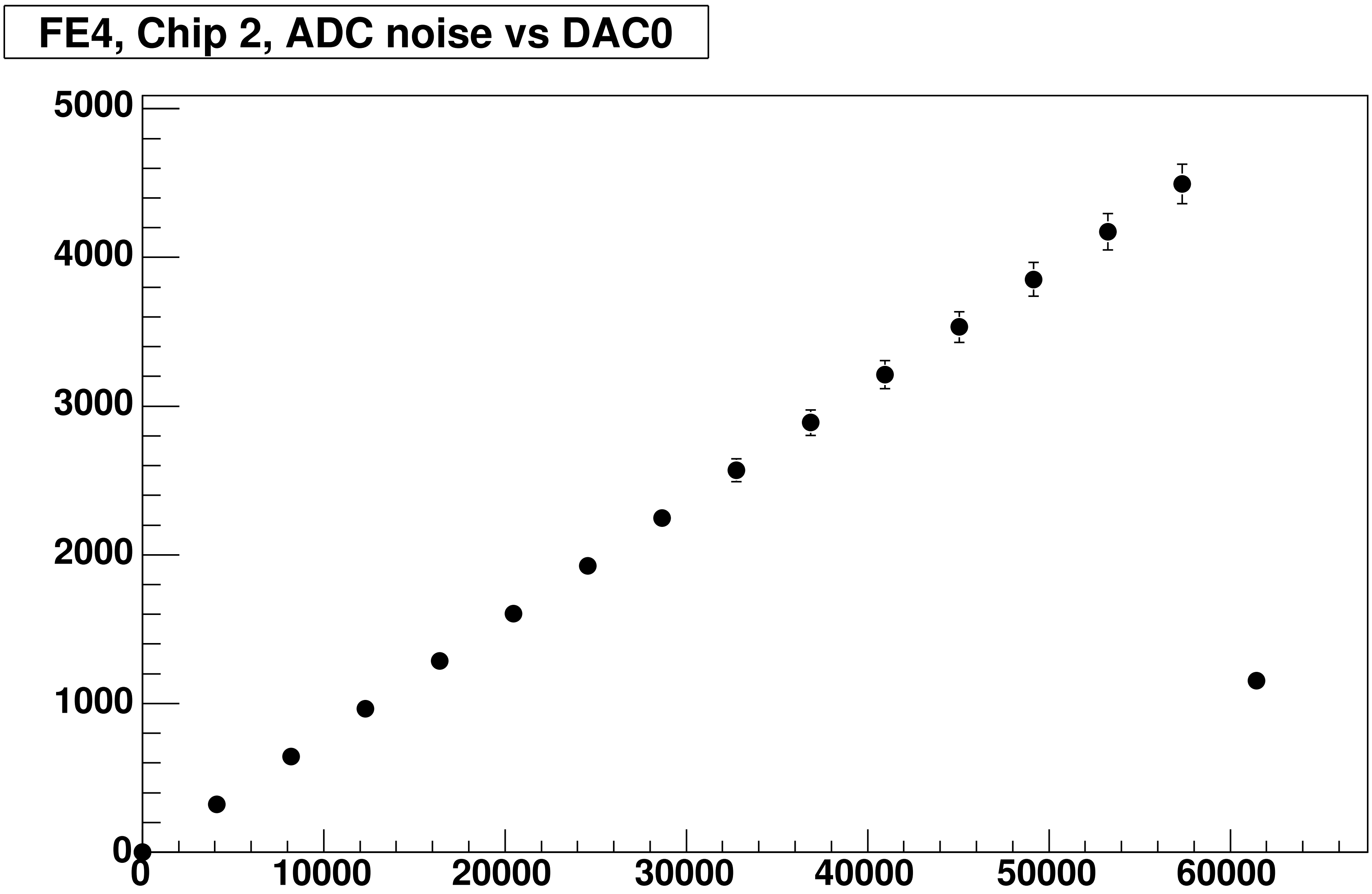
FE4, Chip 1, ADC mean vs DAC1
χ^2 / ndf 1.026e-05 / 11
p0 50.58 ± 31
p1 0.01405 ± 0.001592
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

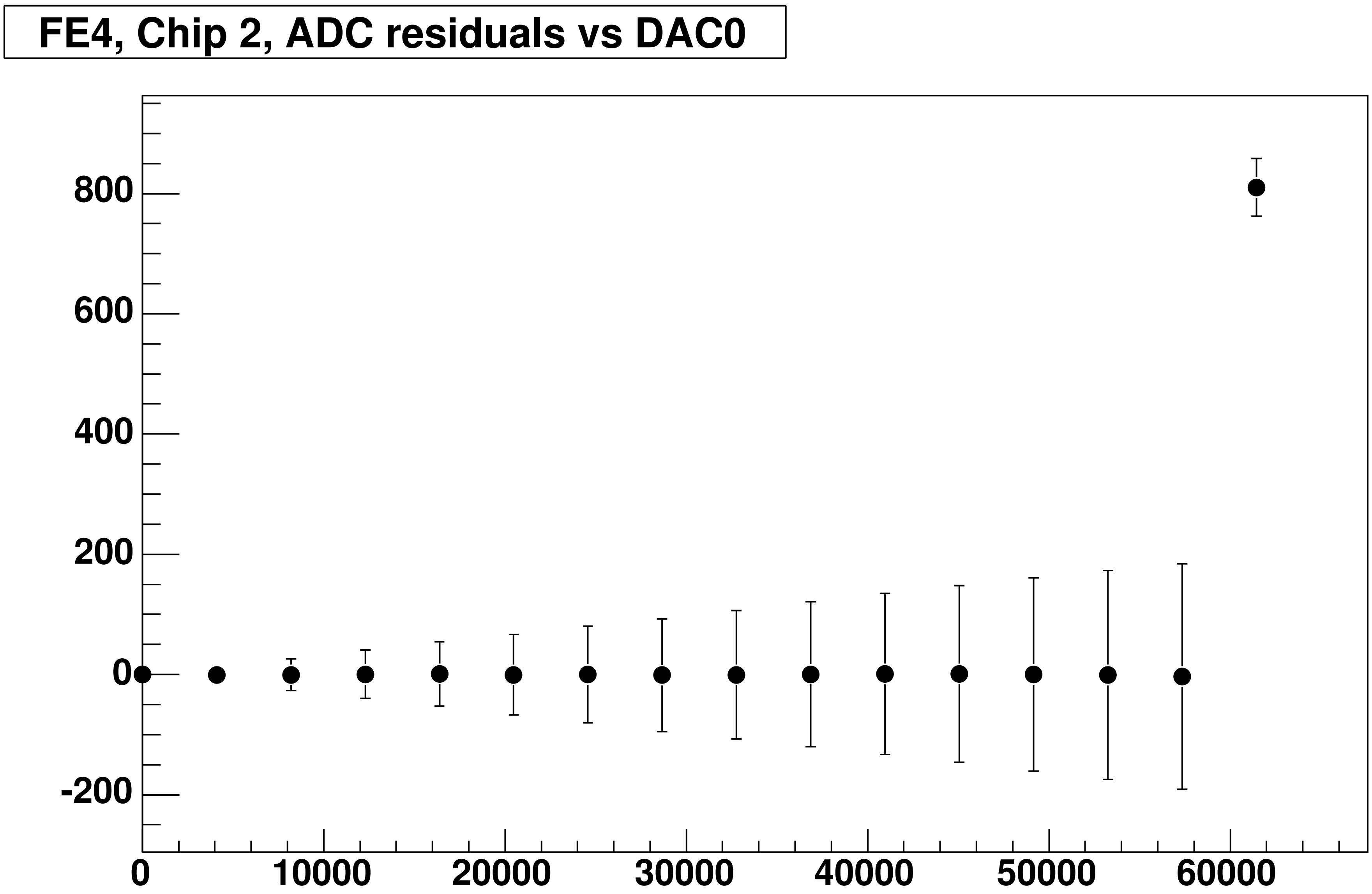

FE4, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

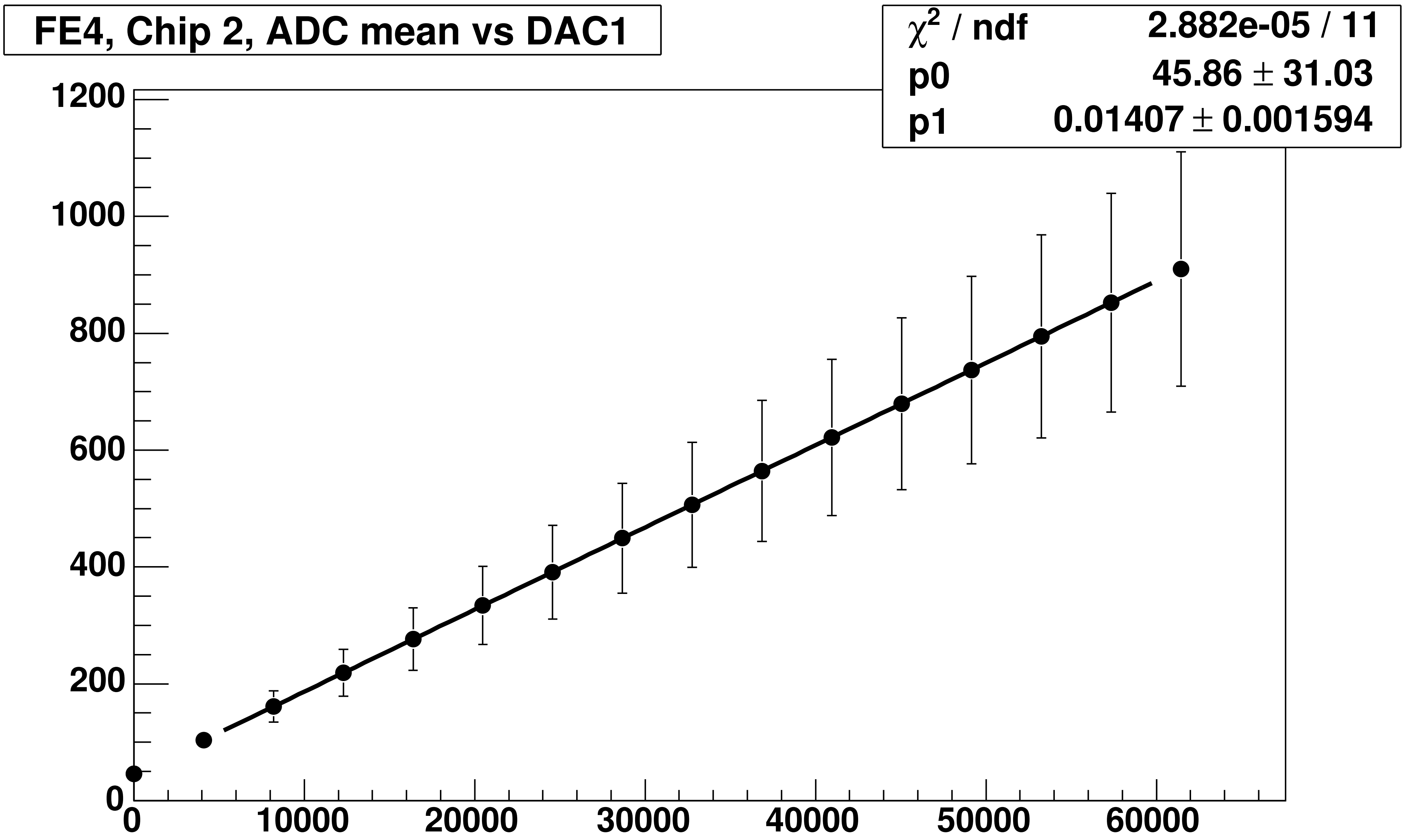

FE4, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



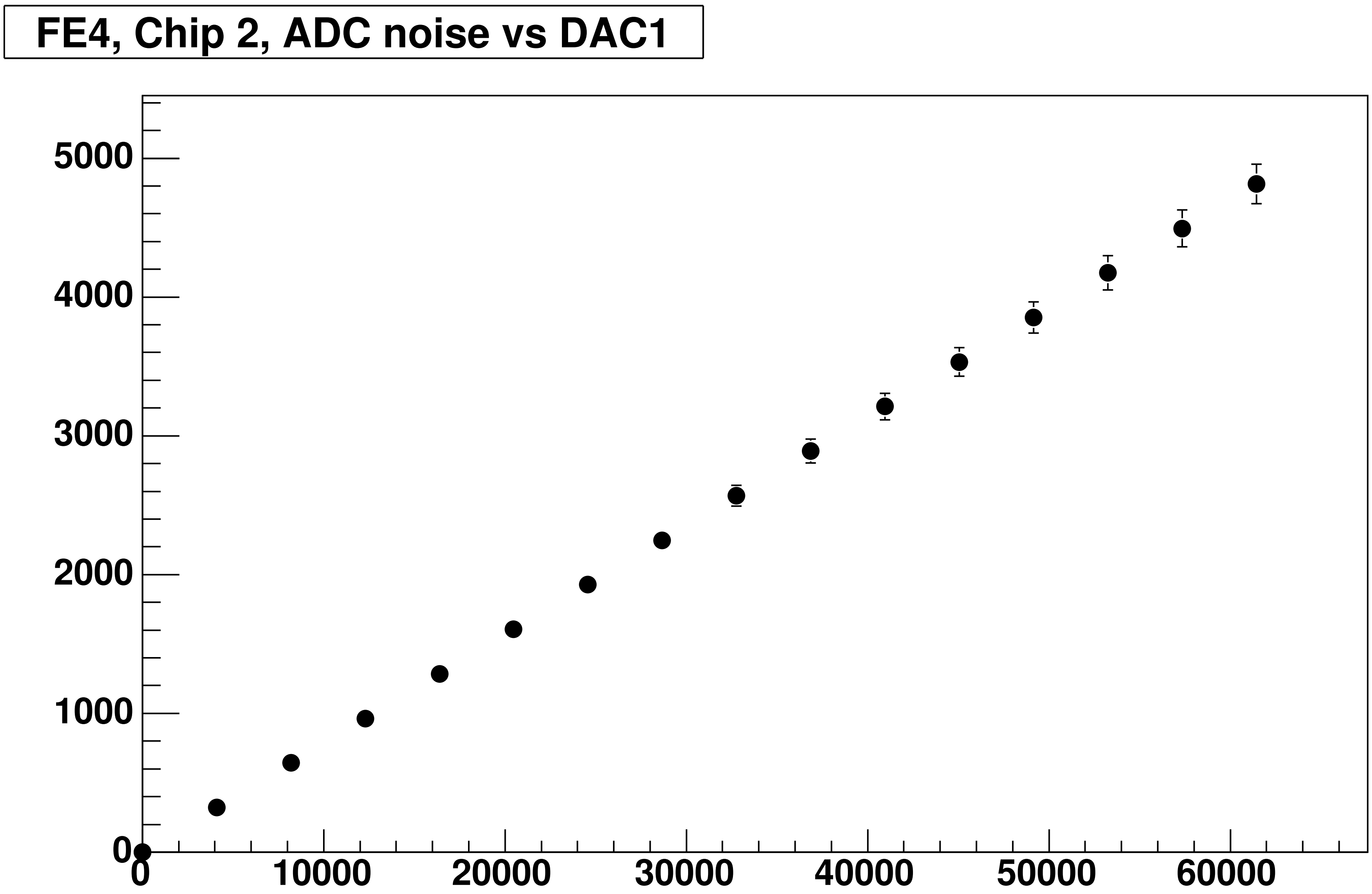
FE4, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001228 / 11
p0 47.53 ± 31.02
p1 0.436 ± 0.001594
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

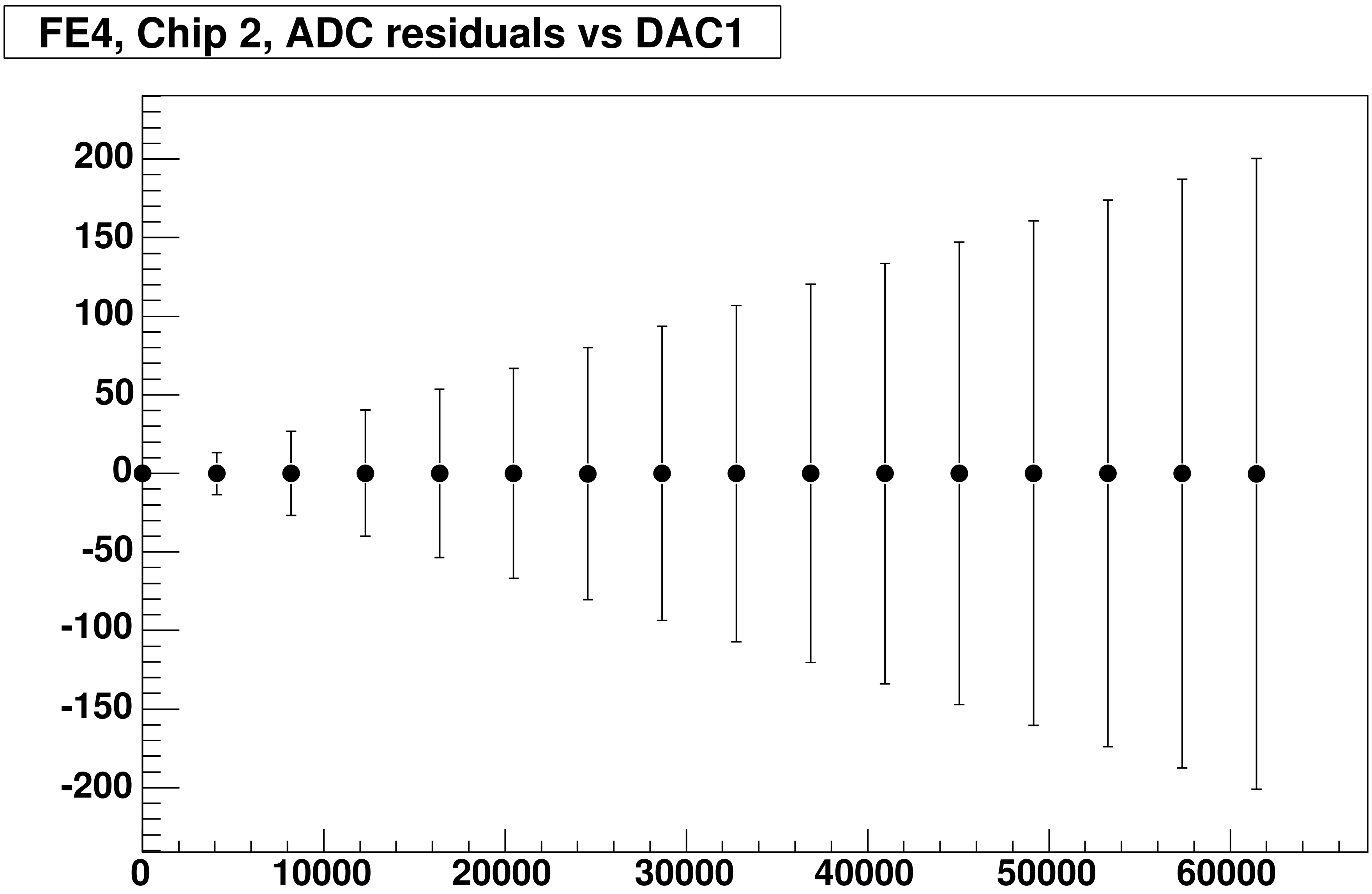

FE4, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

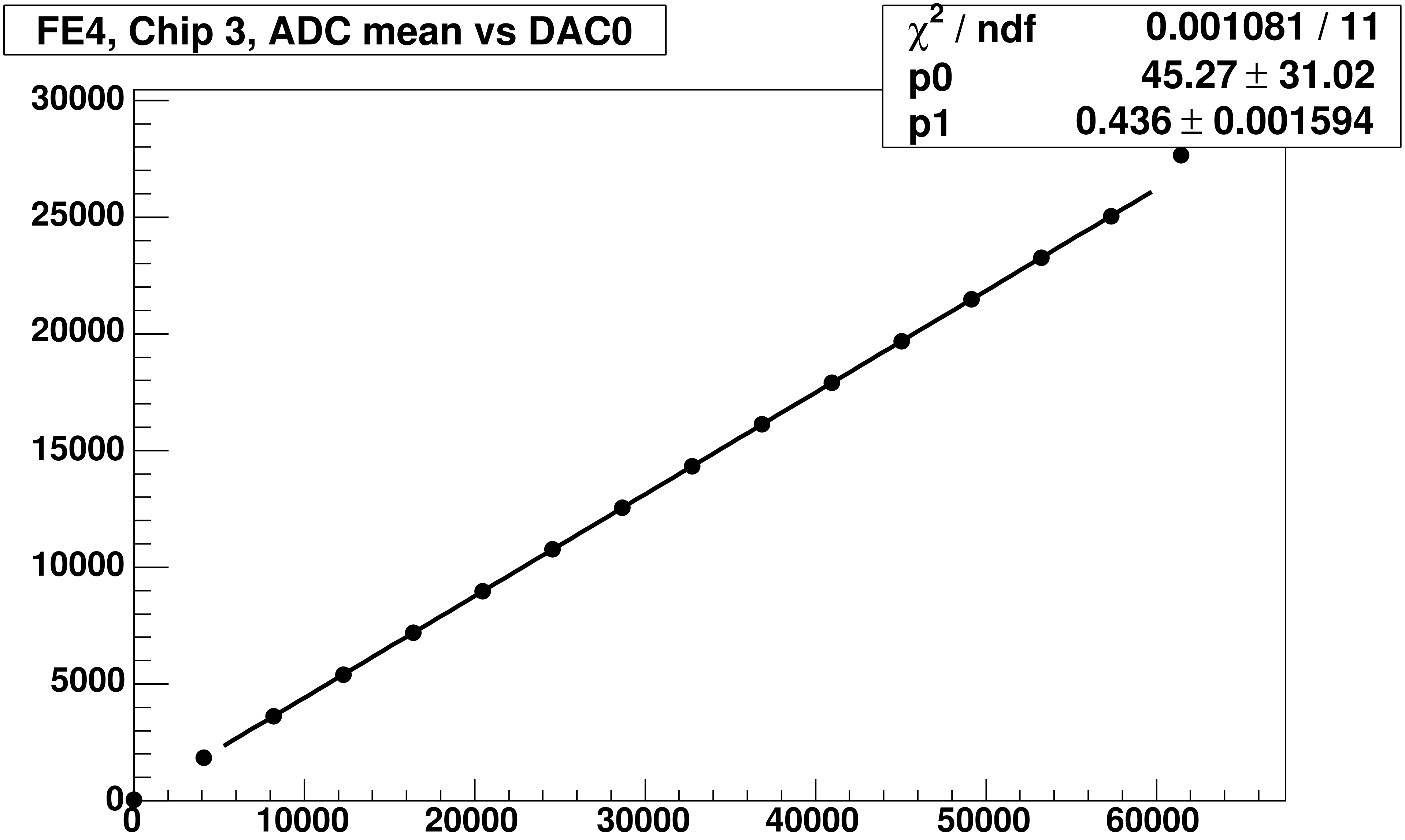

FE4, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

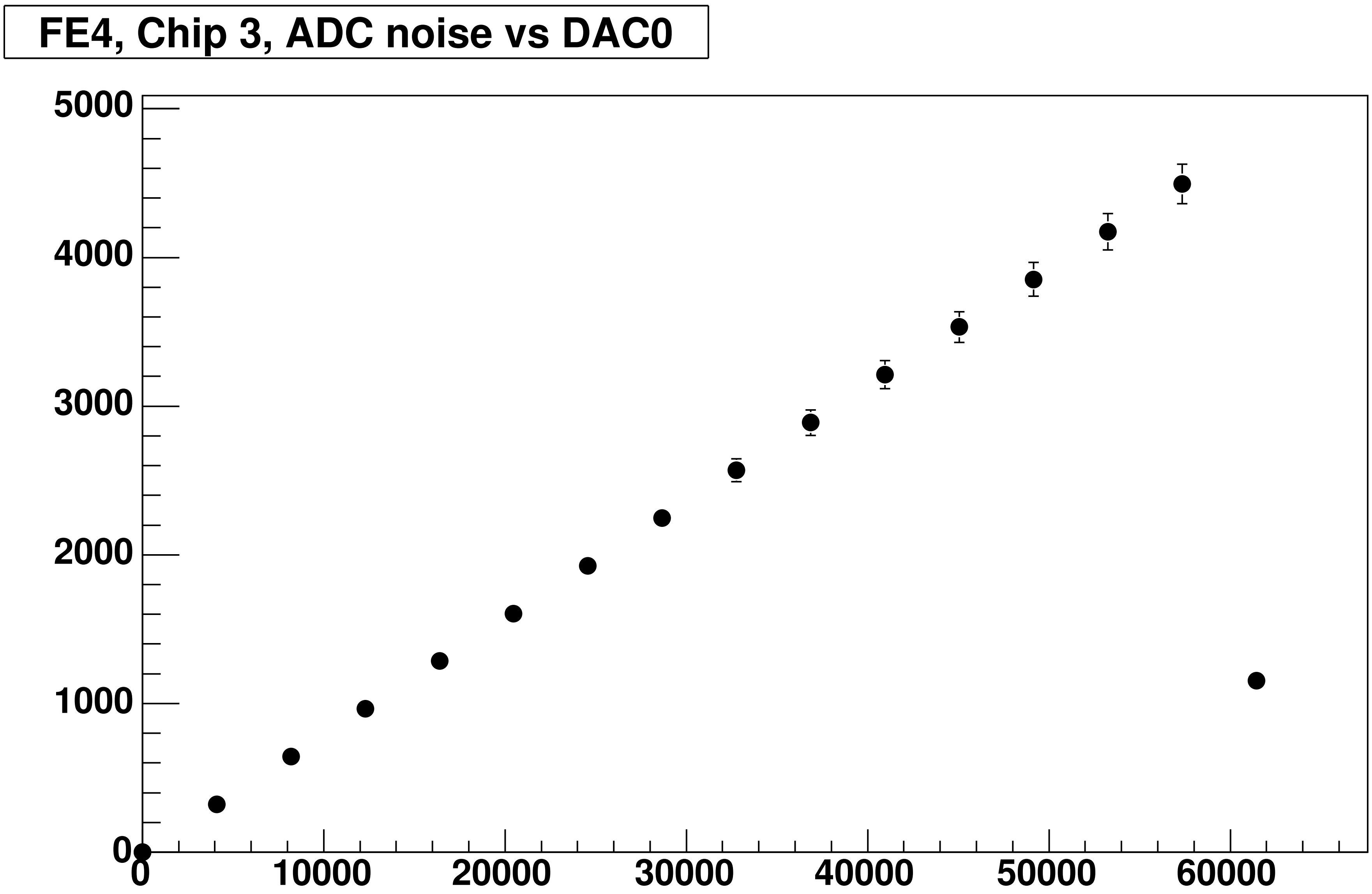


FE4, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.882e-05 / 11
p0 45.86 ± 31.03
p1 0.01407 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

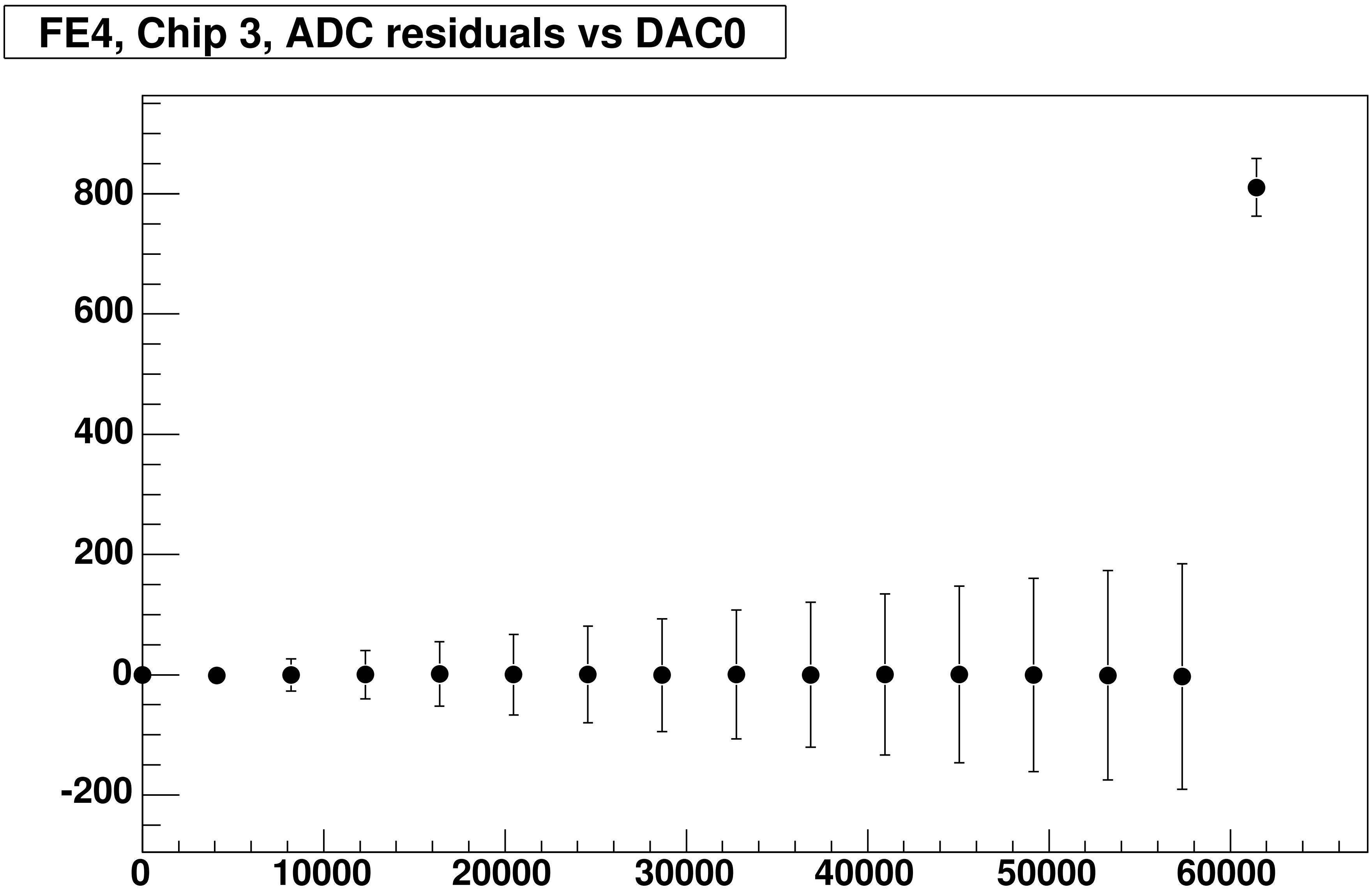

FE4, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

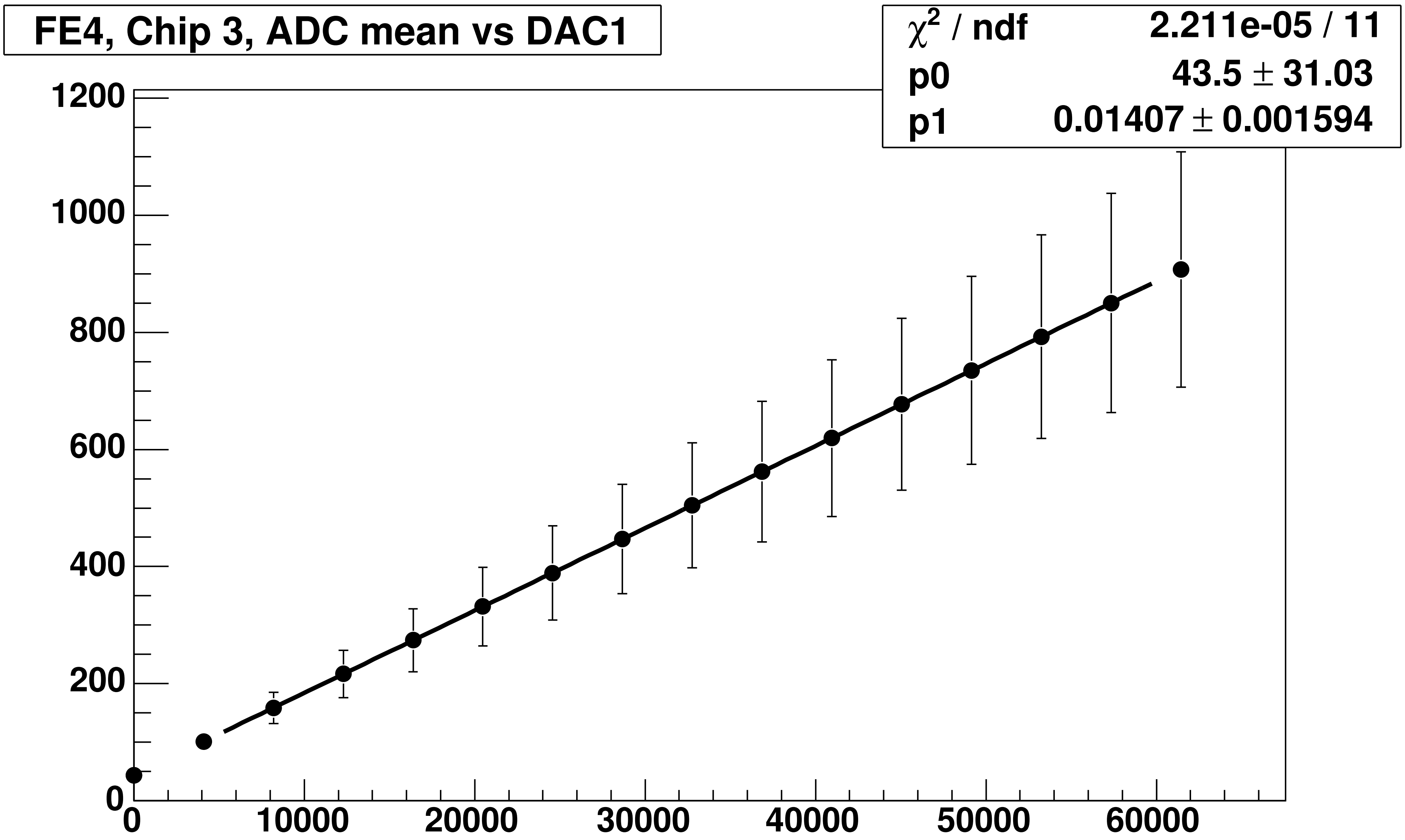

FE4, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

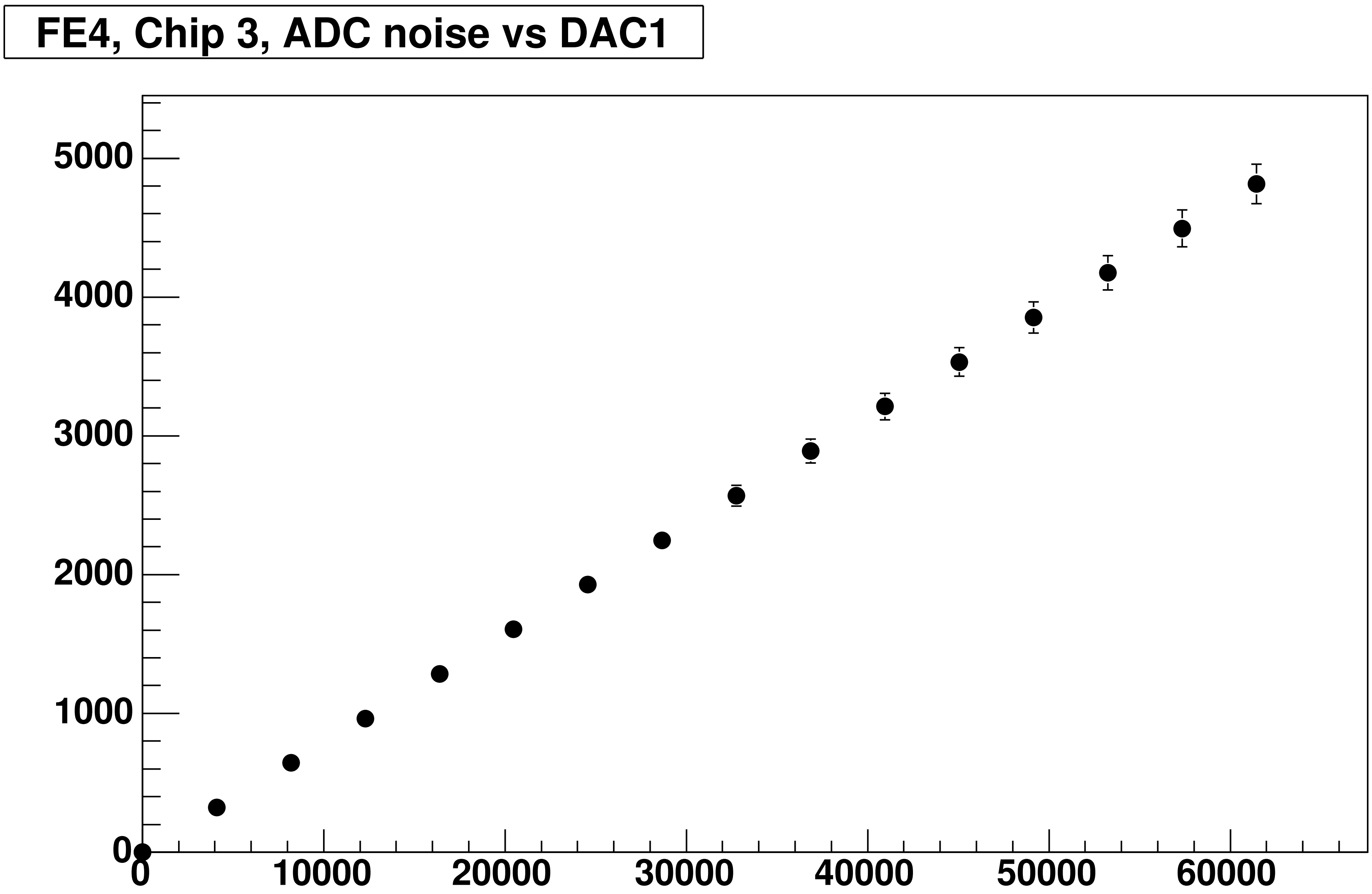

FE4, Chip 3, ADC mean vs DAC0
χ2 / ndf 0.001081 / 11
p0 45.27 ± 31.02
p1 0.436 ± 0.001594
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000



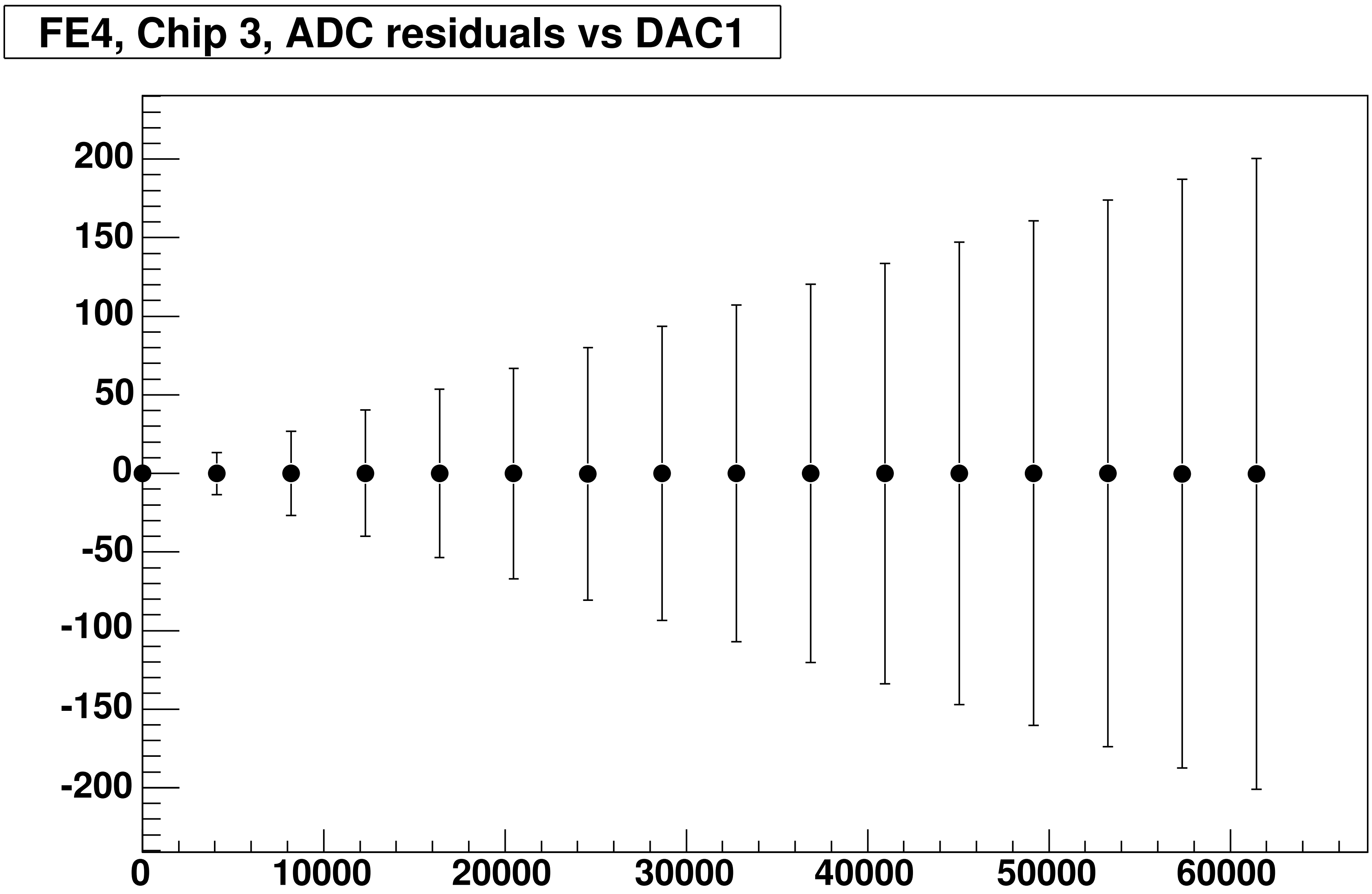
FE4, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

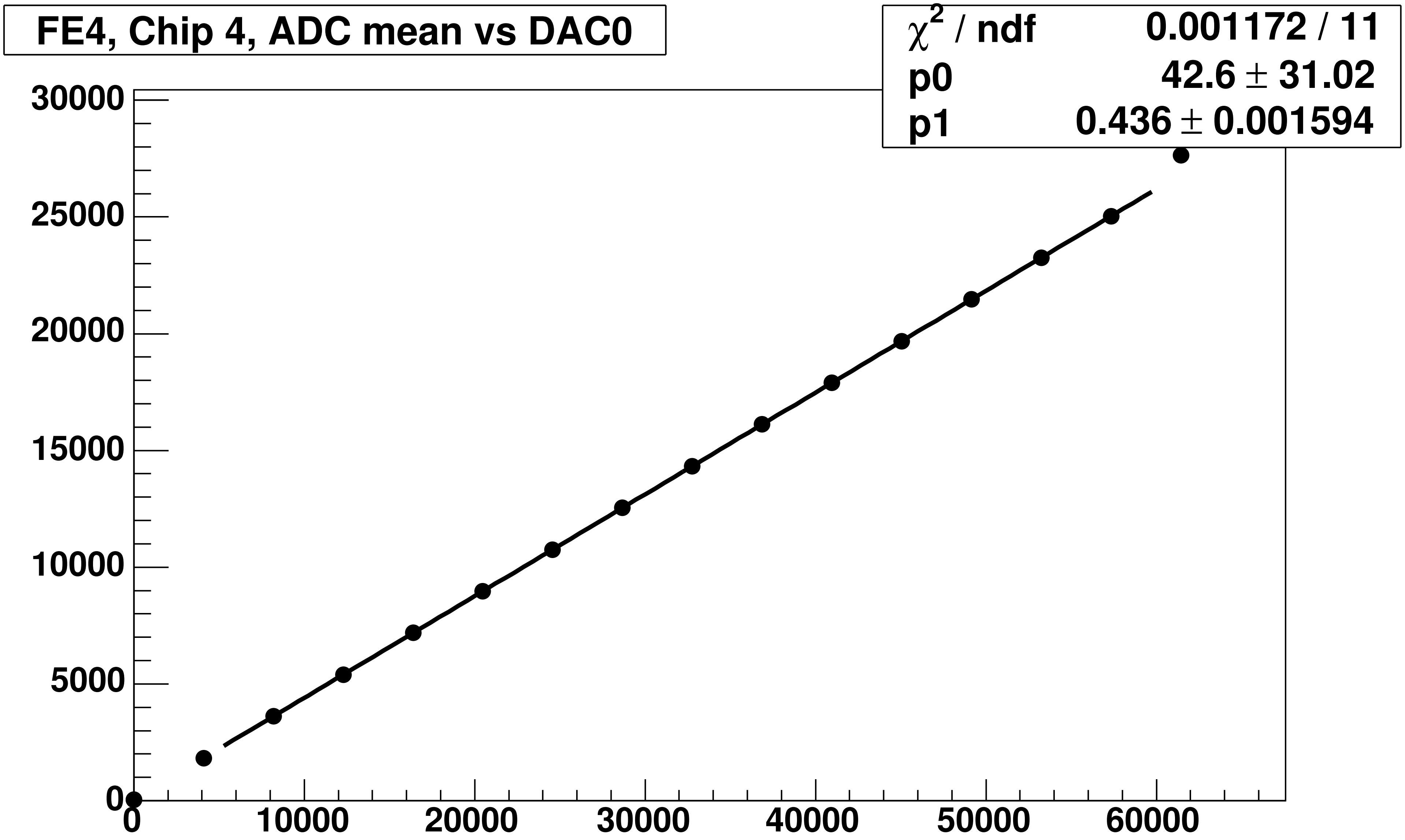

FE4, Chip 3, ADC mean vs DAC1
χ^2 / ndf 2.211e-05 / 11
p0 43.5 ± 31.03
p1 0.01407 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

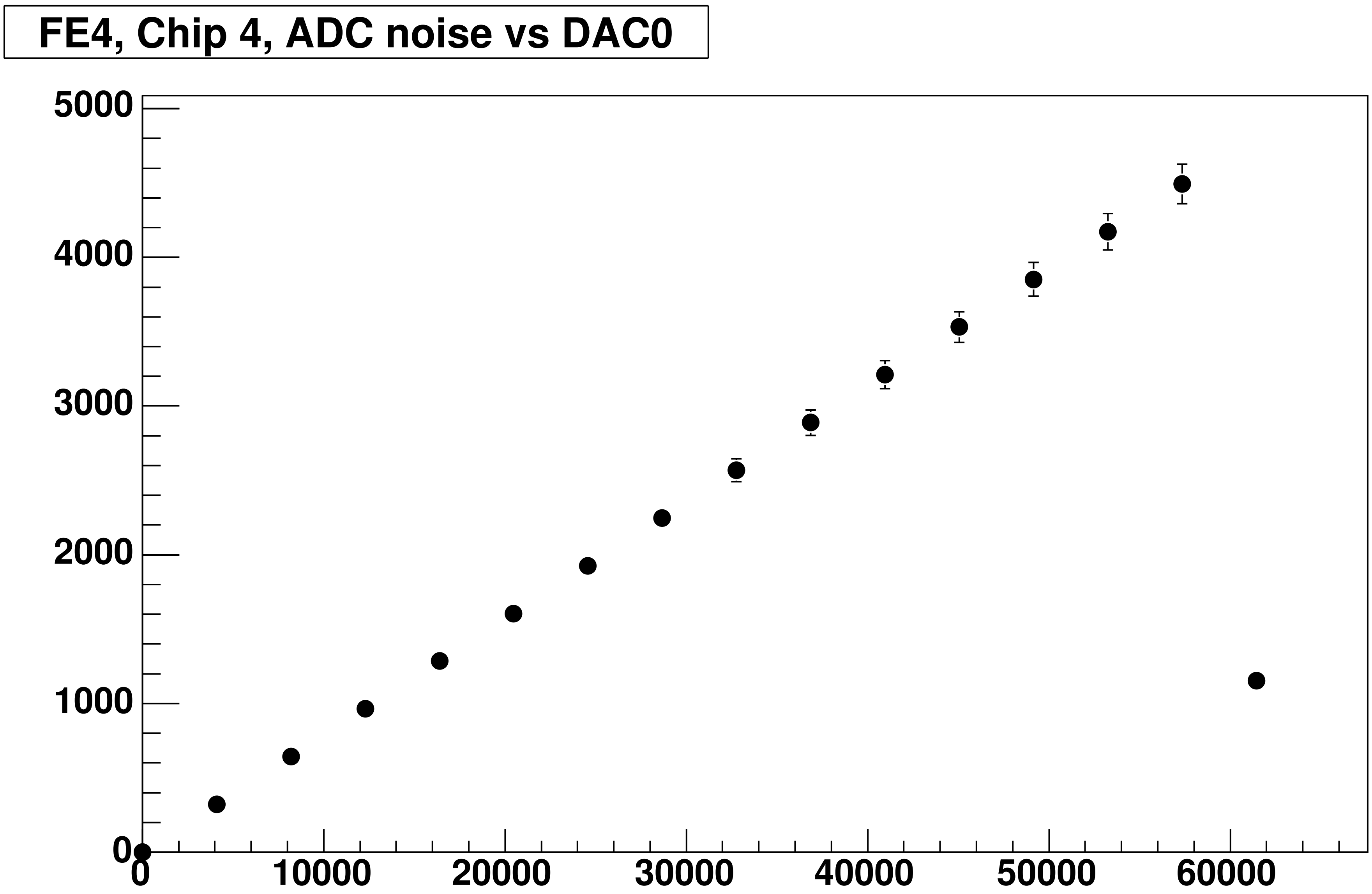


FE4, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

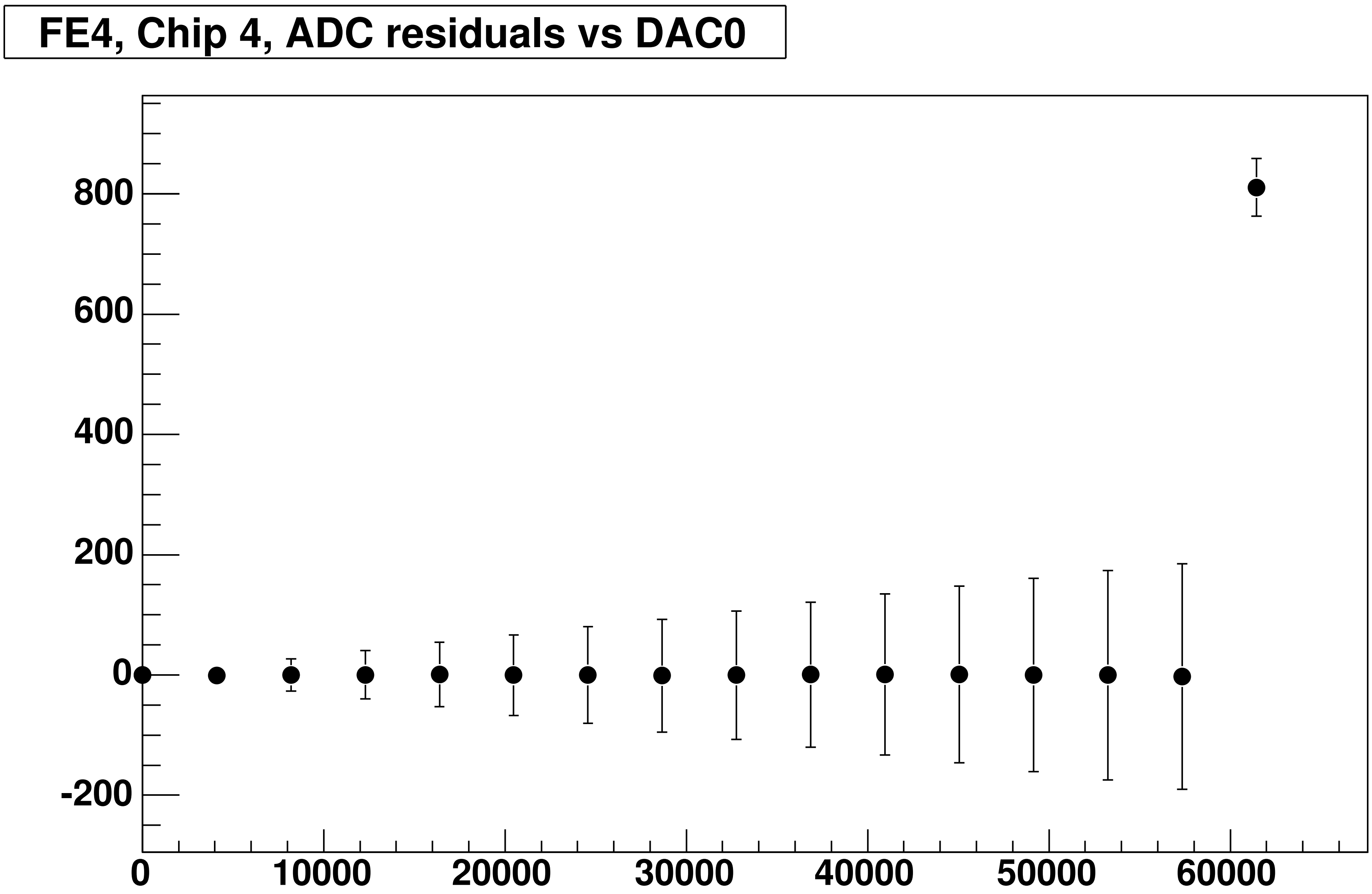


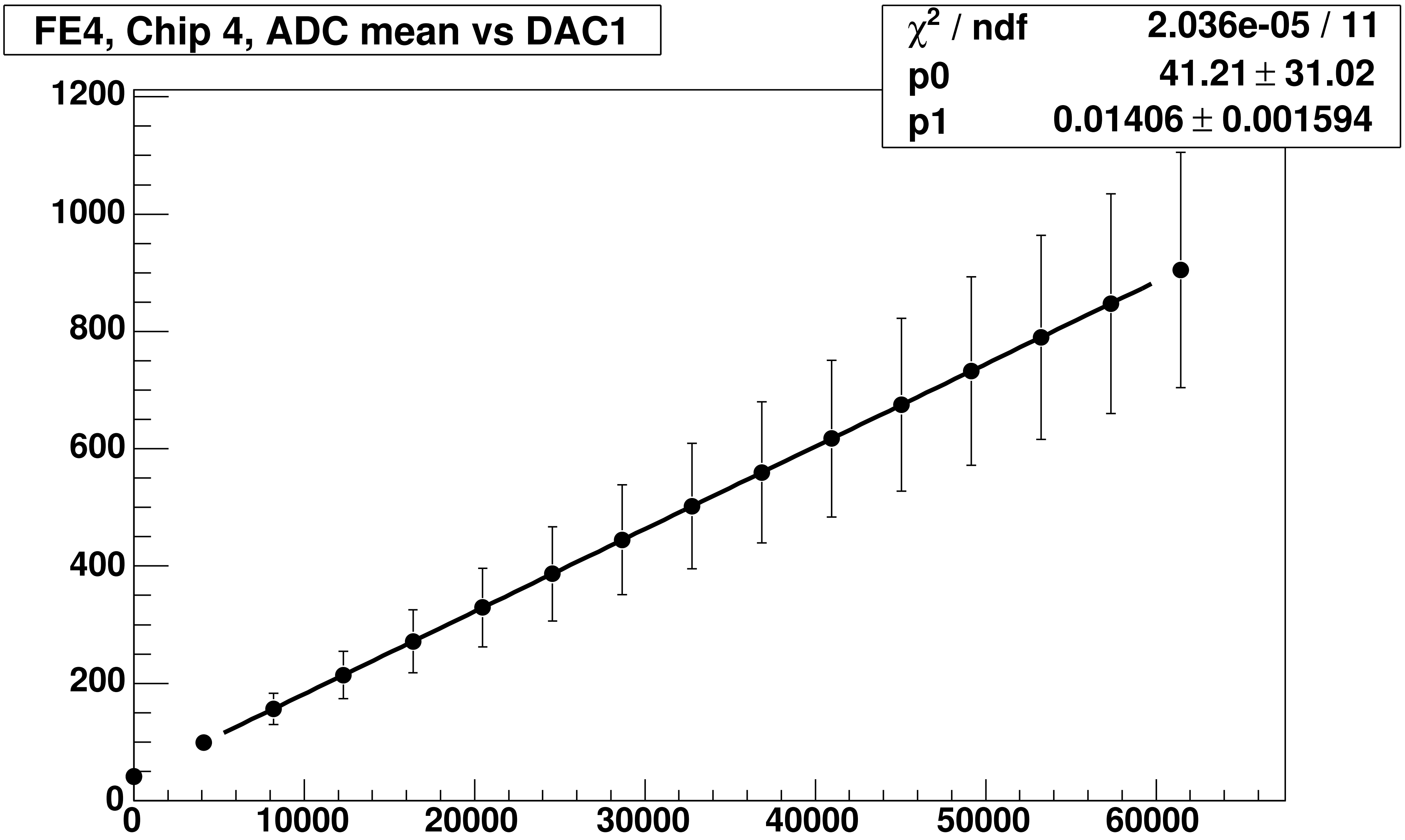
FE4, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

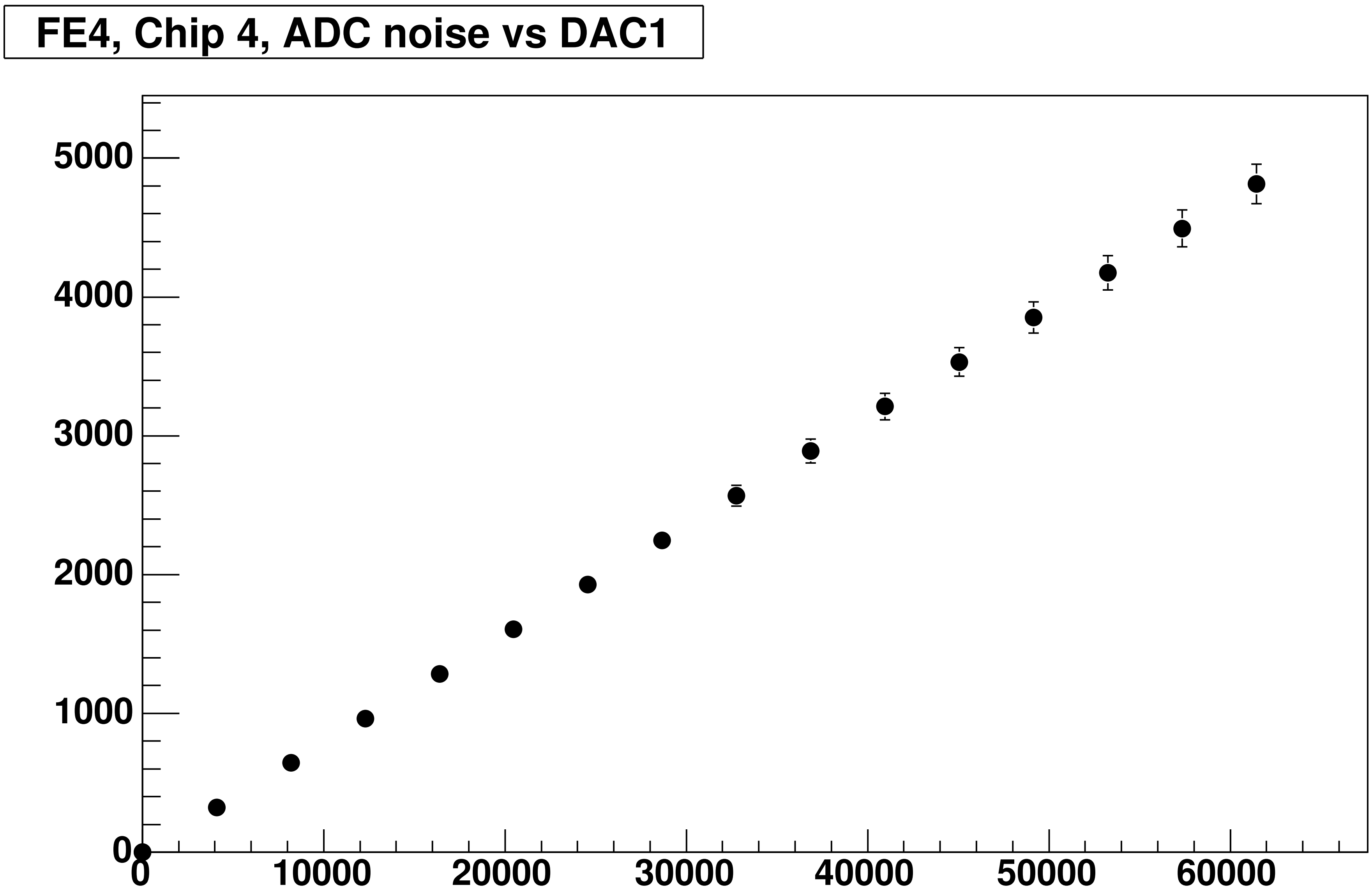

FE4, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001172 / 11
p0 42.6 ± 31.02
p1 0.436 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



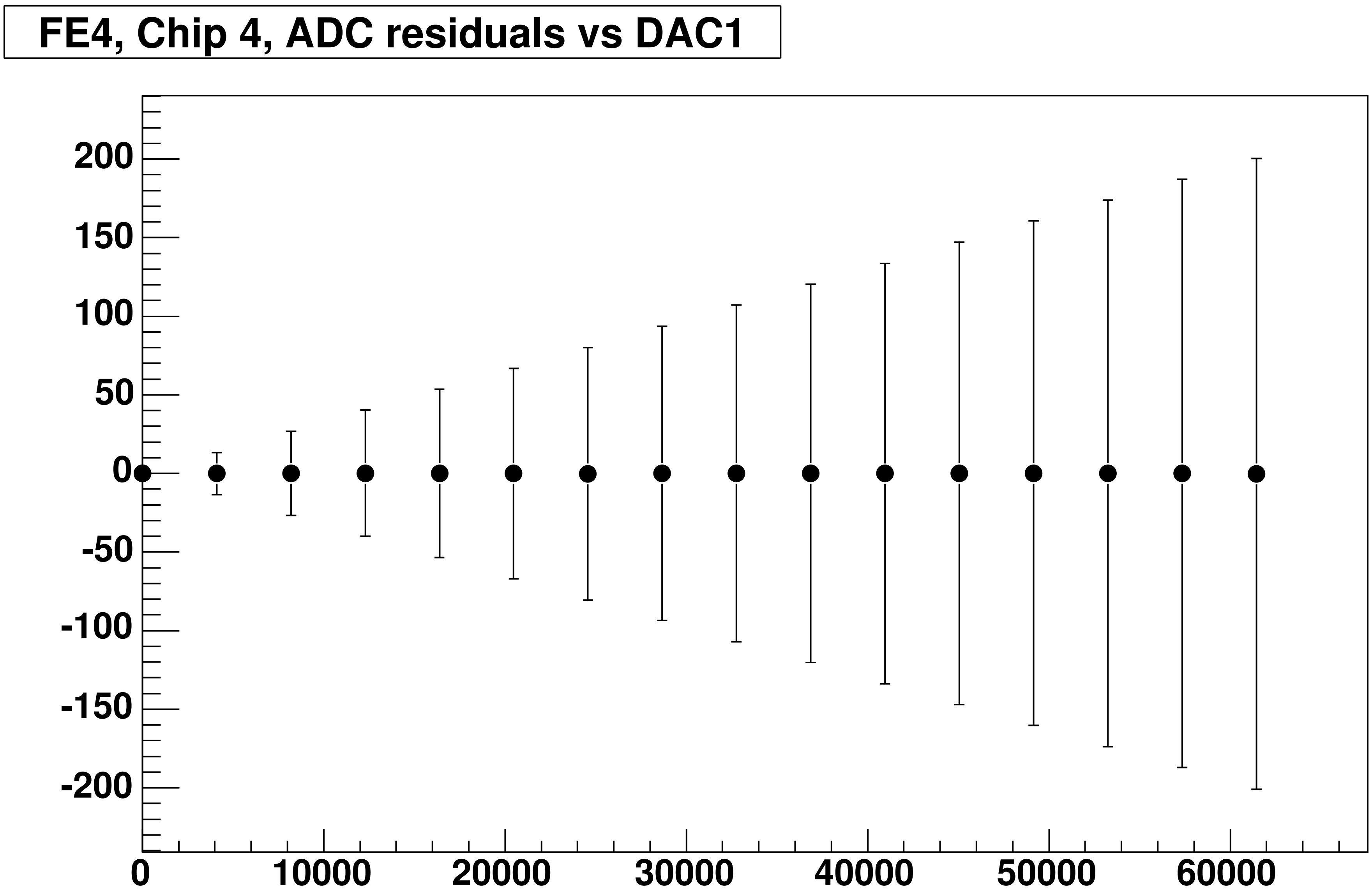
FE4, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

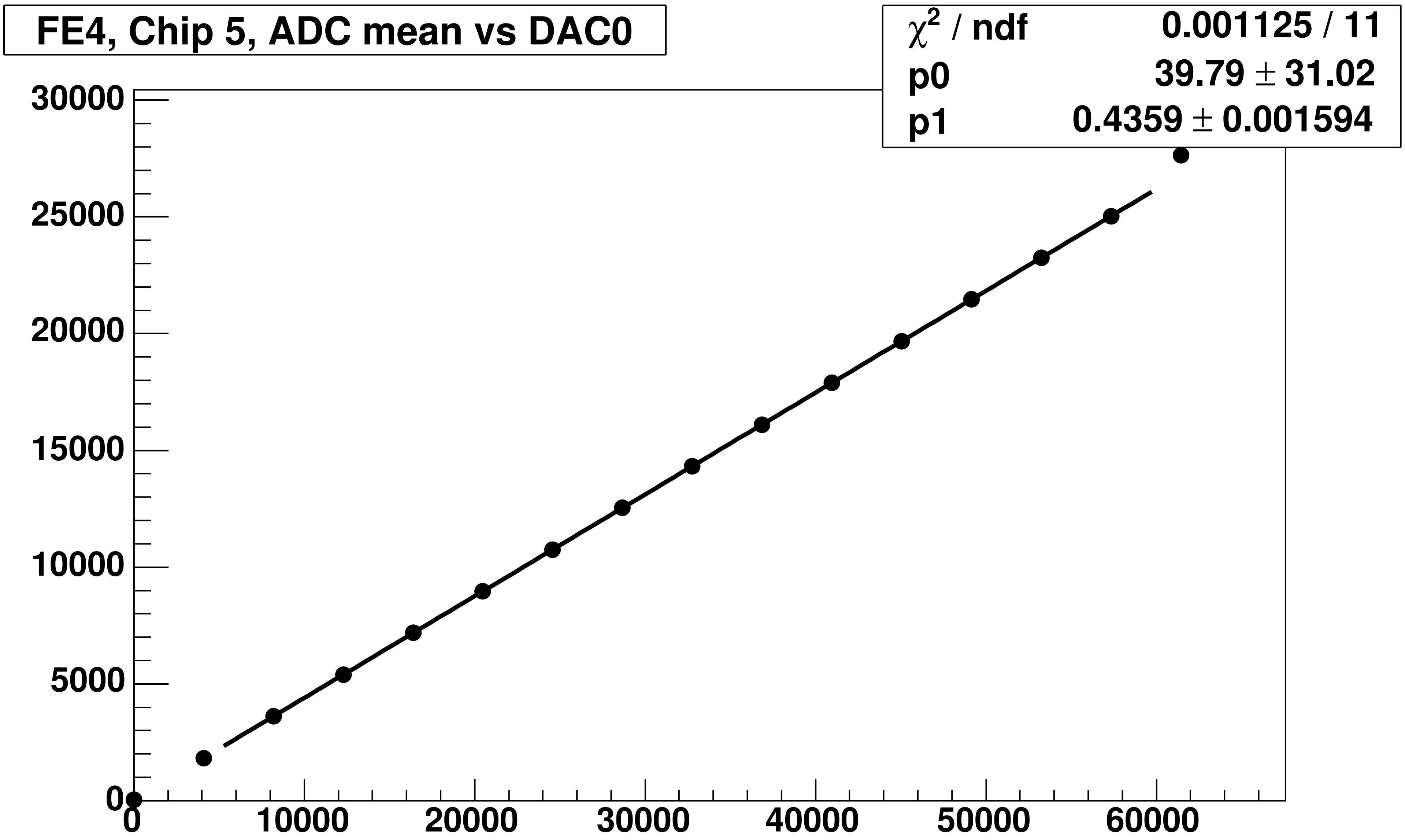

FE4, Chip 4, ADC mean vs DAC1
χ^2 / ndf 2.036e-05 / 11
p0 41.21 ± 31.02
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

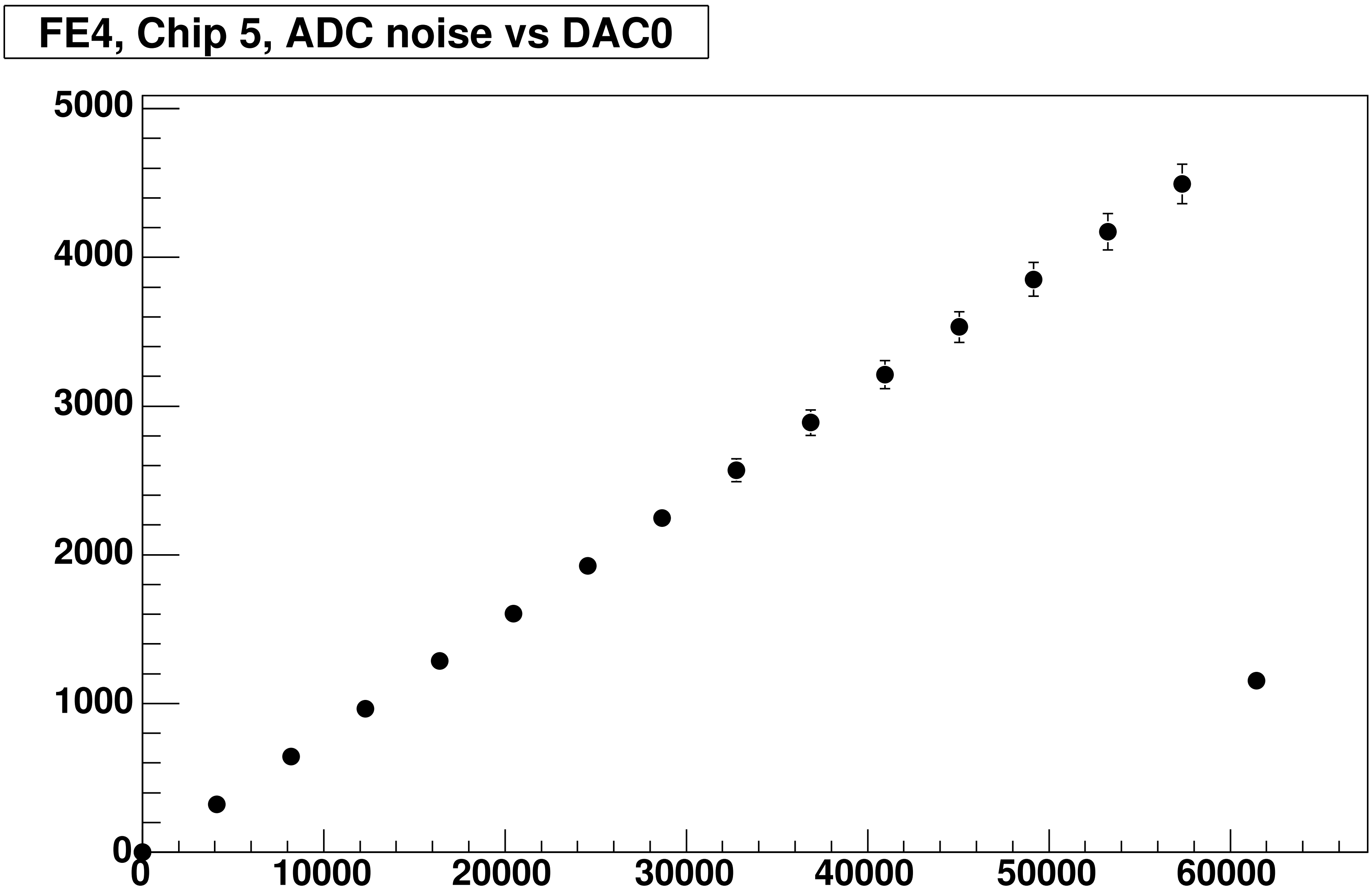


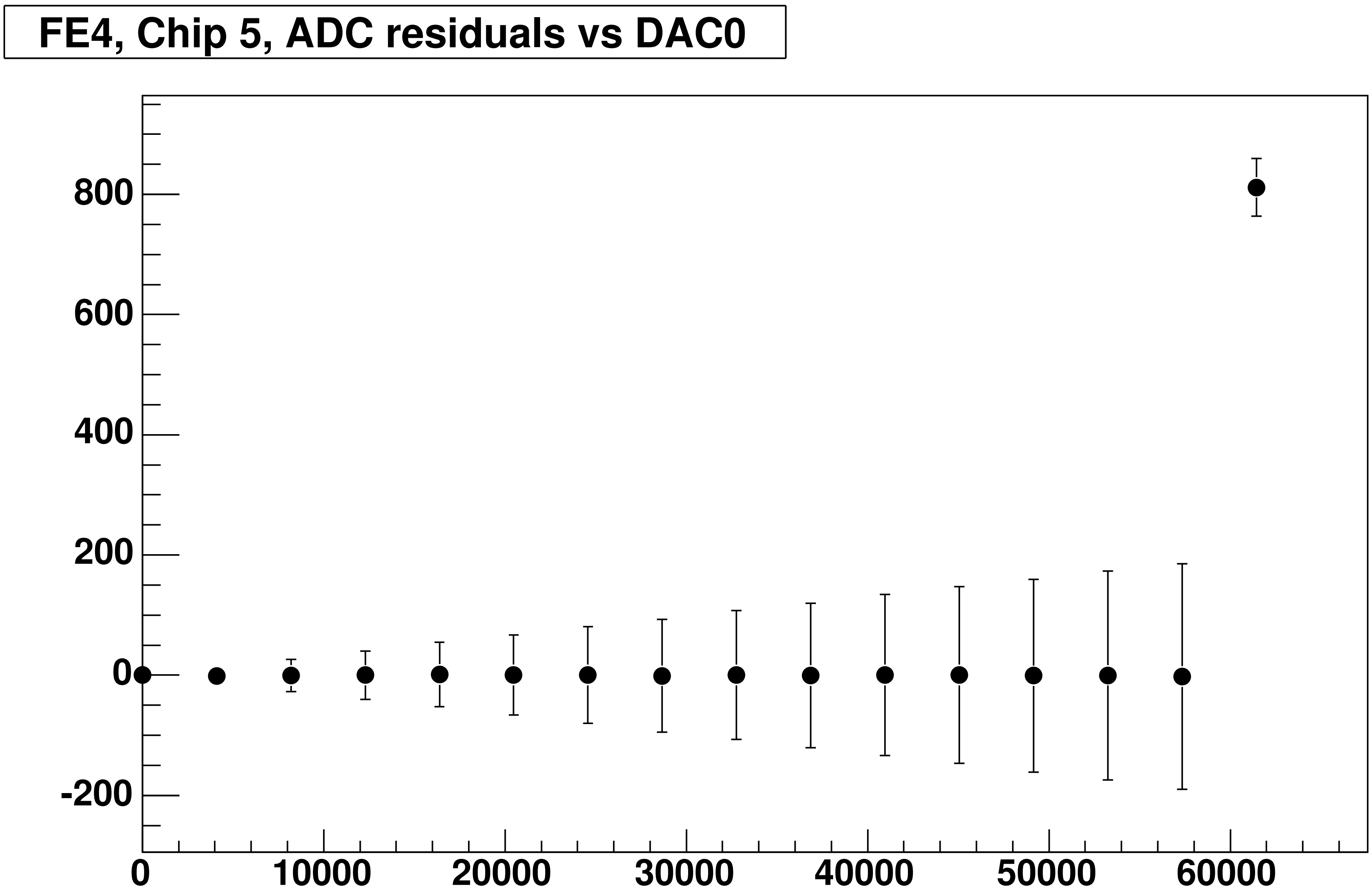
FE4, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

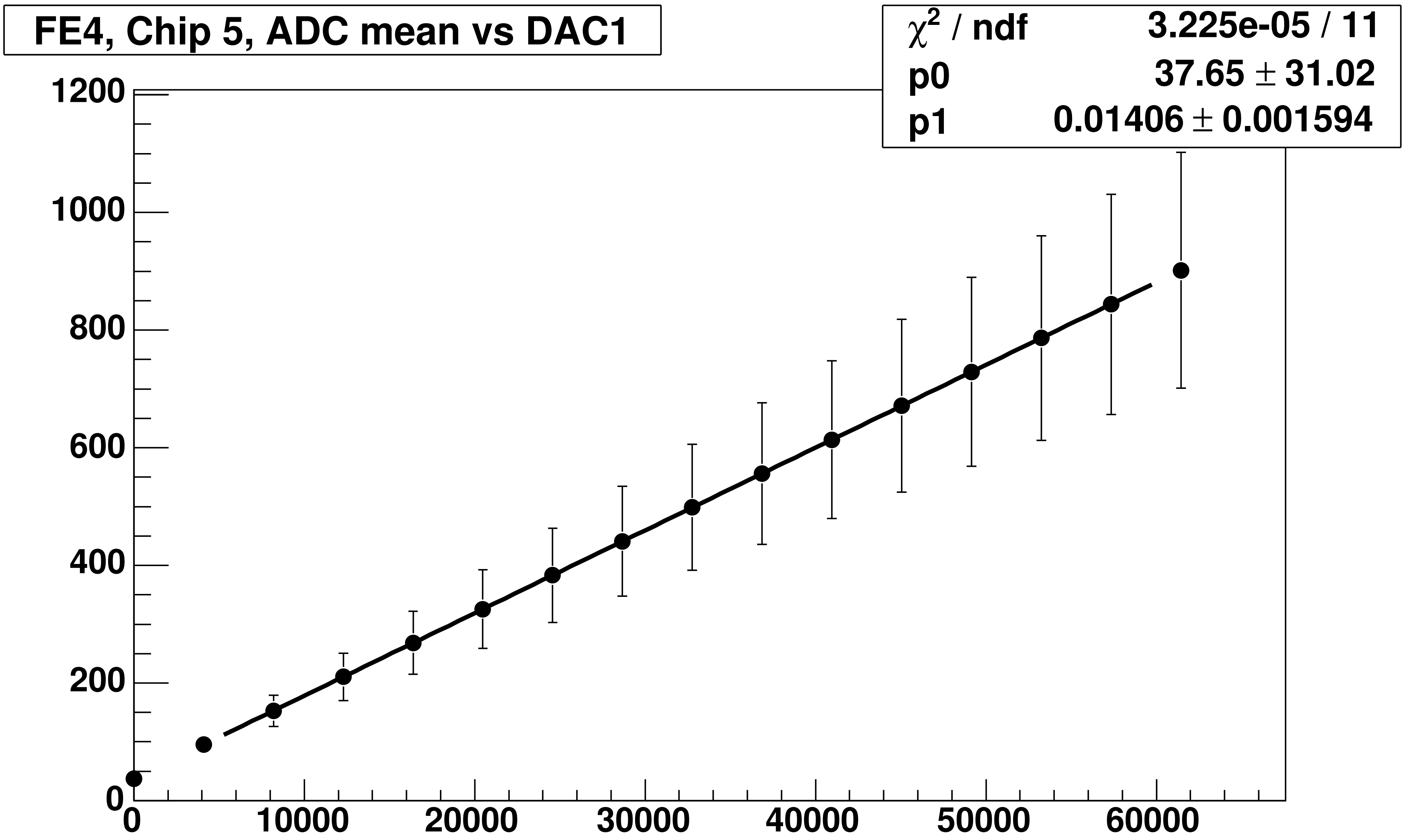


FE4, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

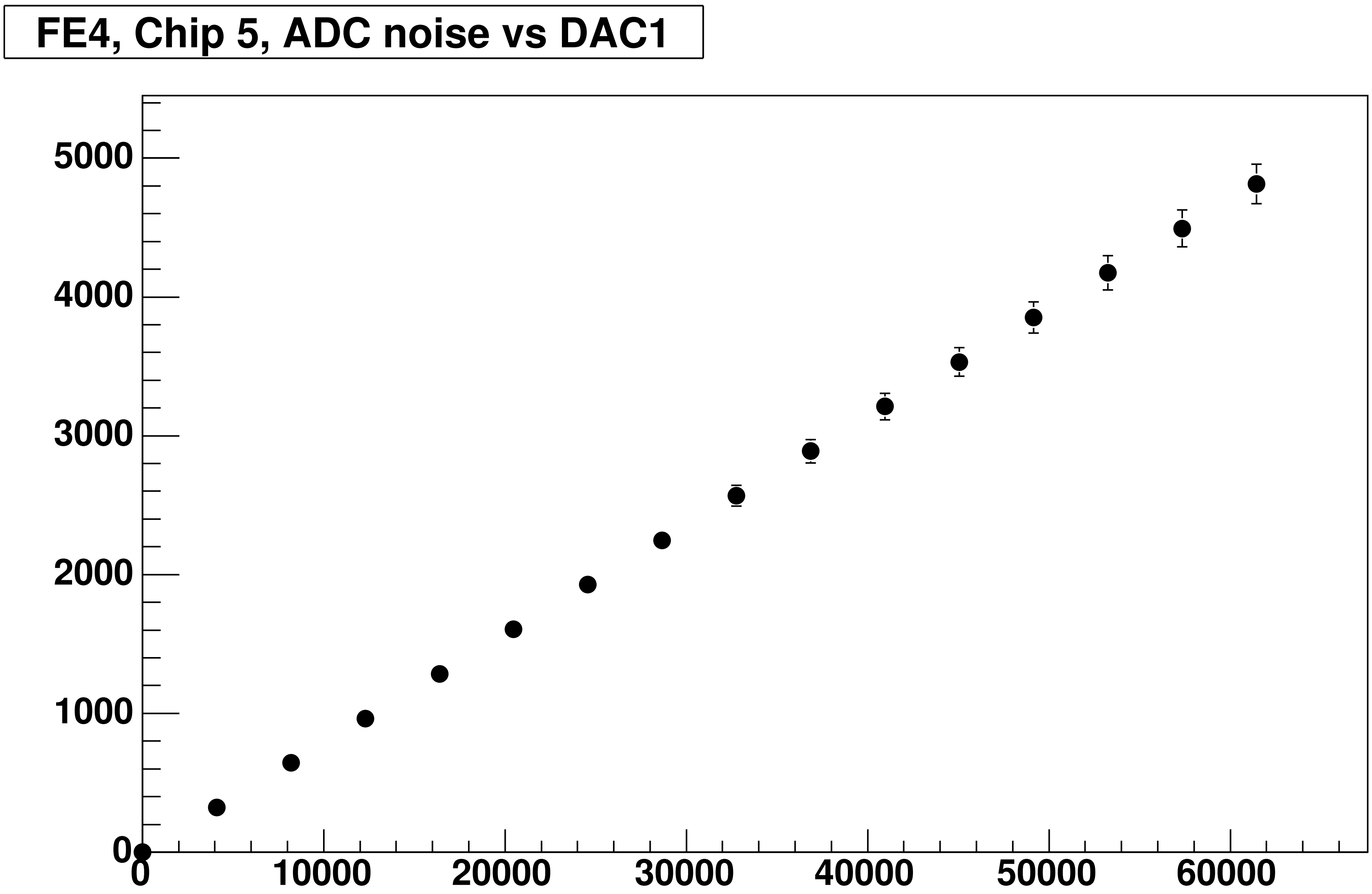

FE4, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.001125 / 11
p0 39.79 ± 31.02
p1 0.4359 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

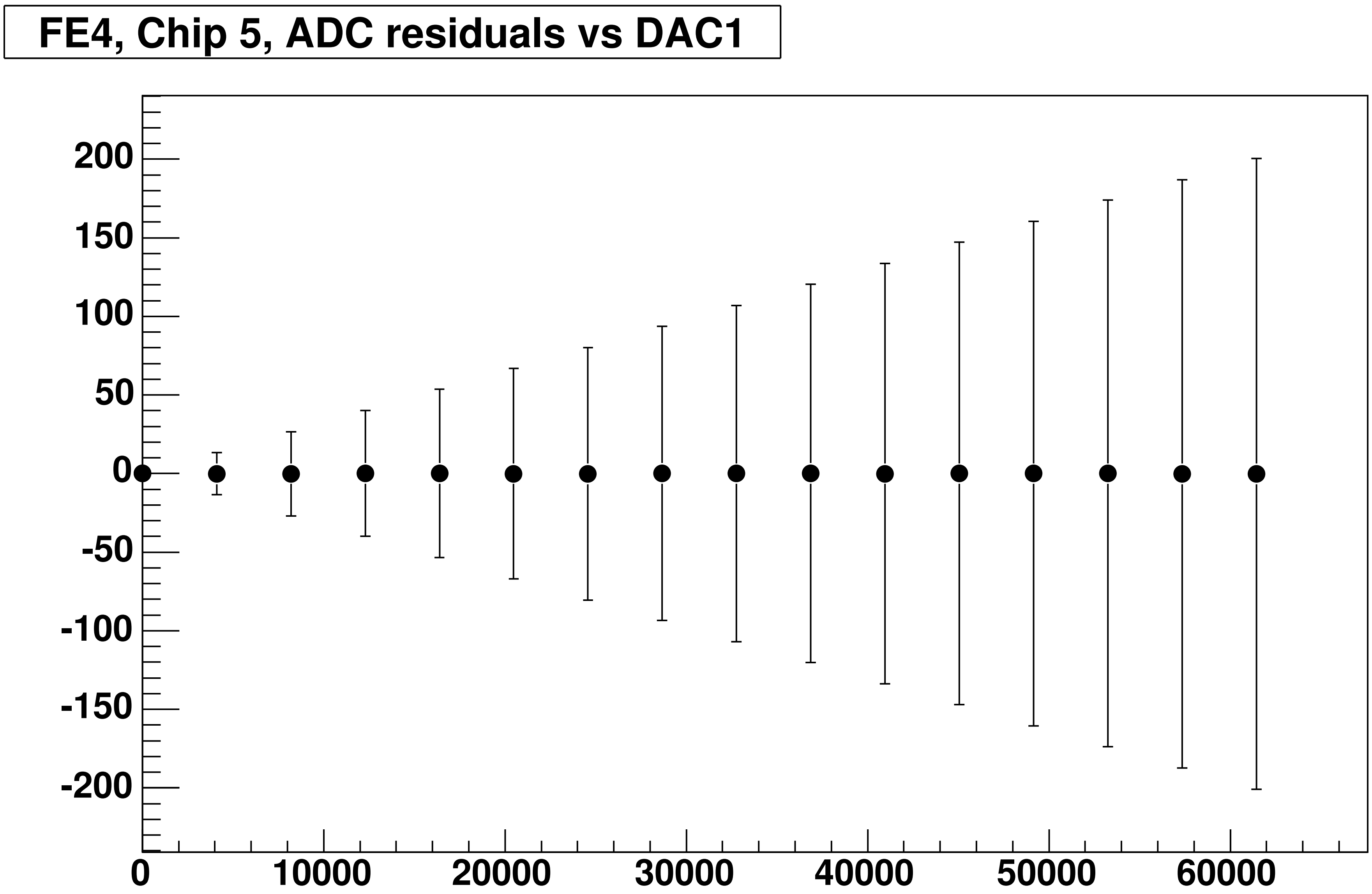

FE4, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

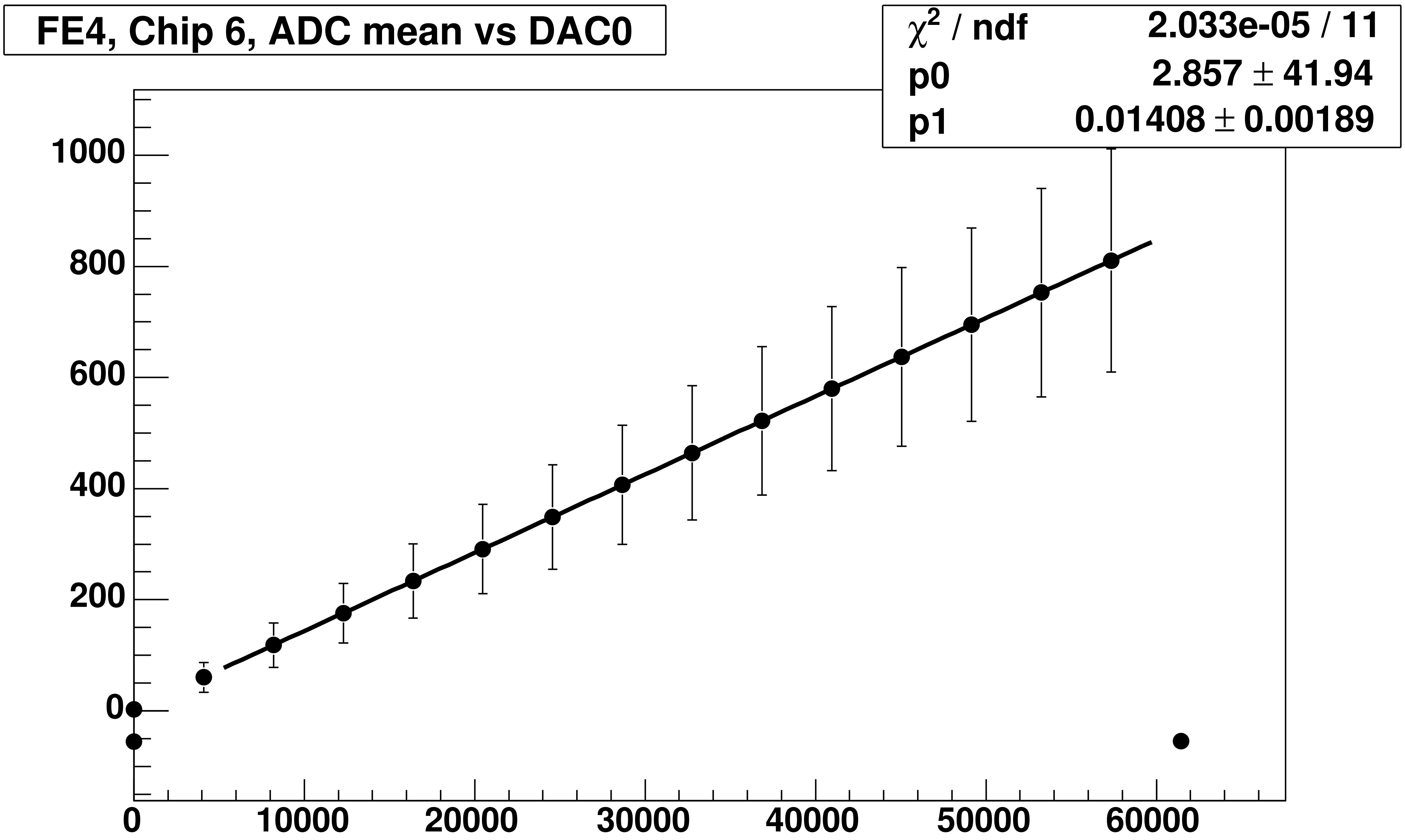

FE4, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



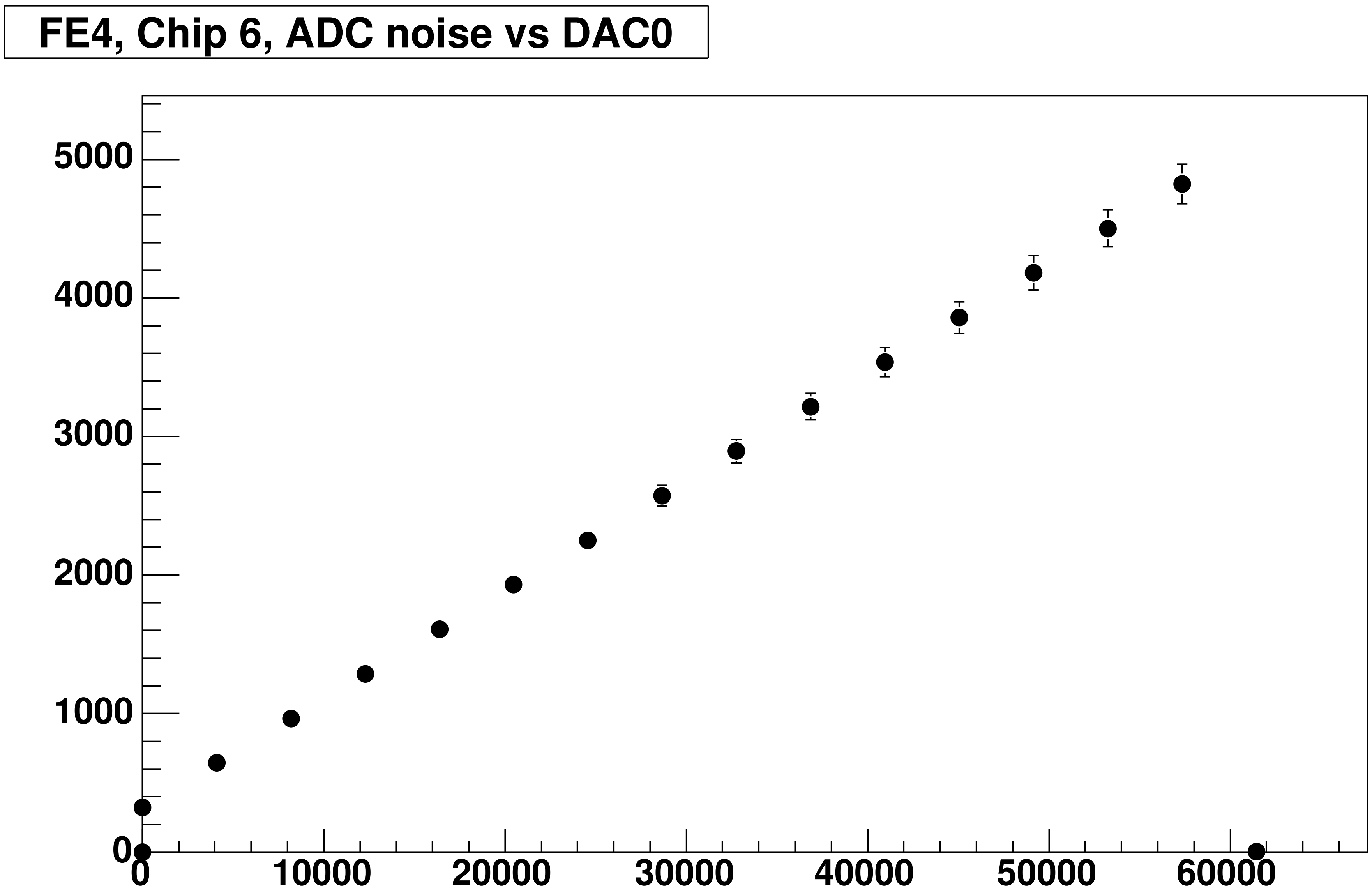
FE4, Chip 5, ADC mean vs DAC1
χ^2 / ndf 3.225e-05 / 11
p0 37.65 ± 31.02
p1 0.01406 ± 0.001594
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

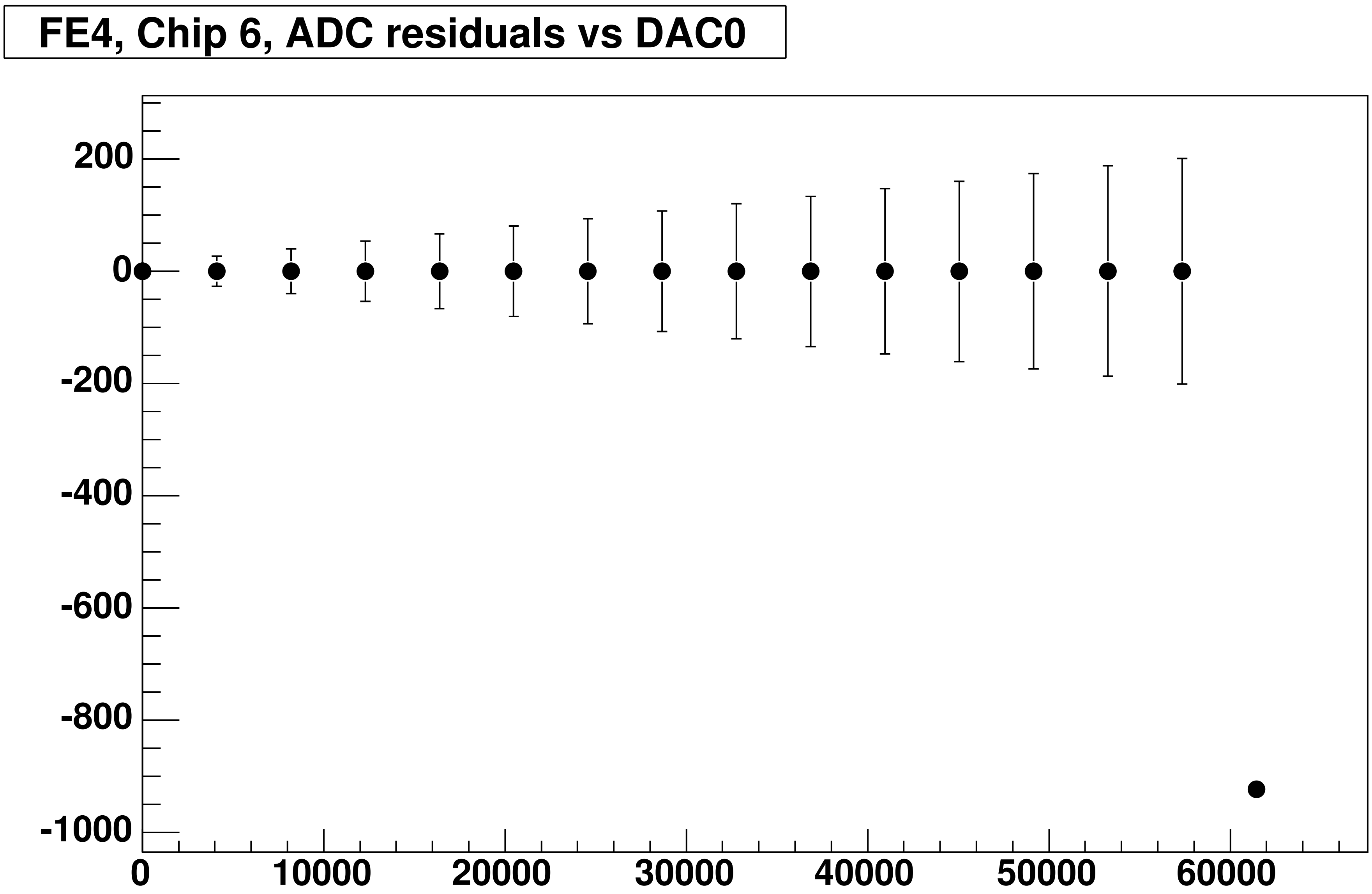

FE4, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

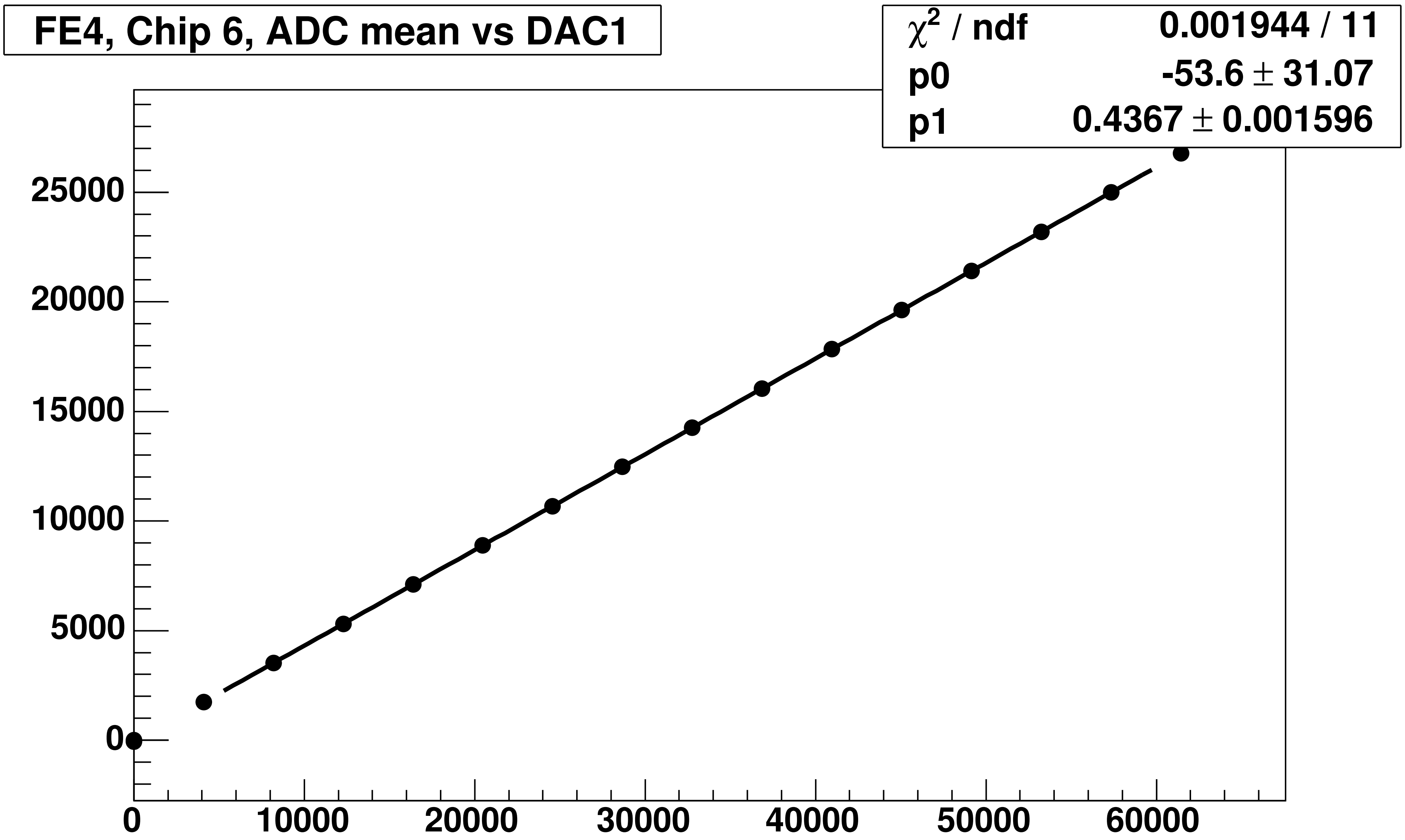

FE4, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



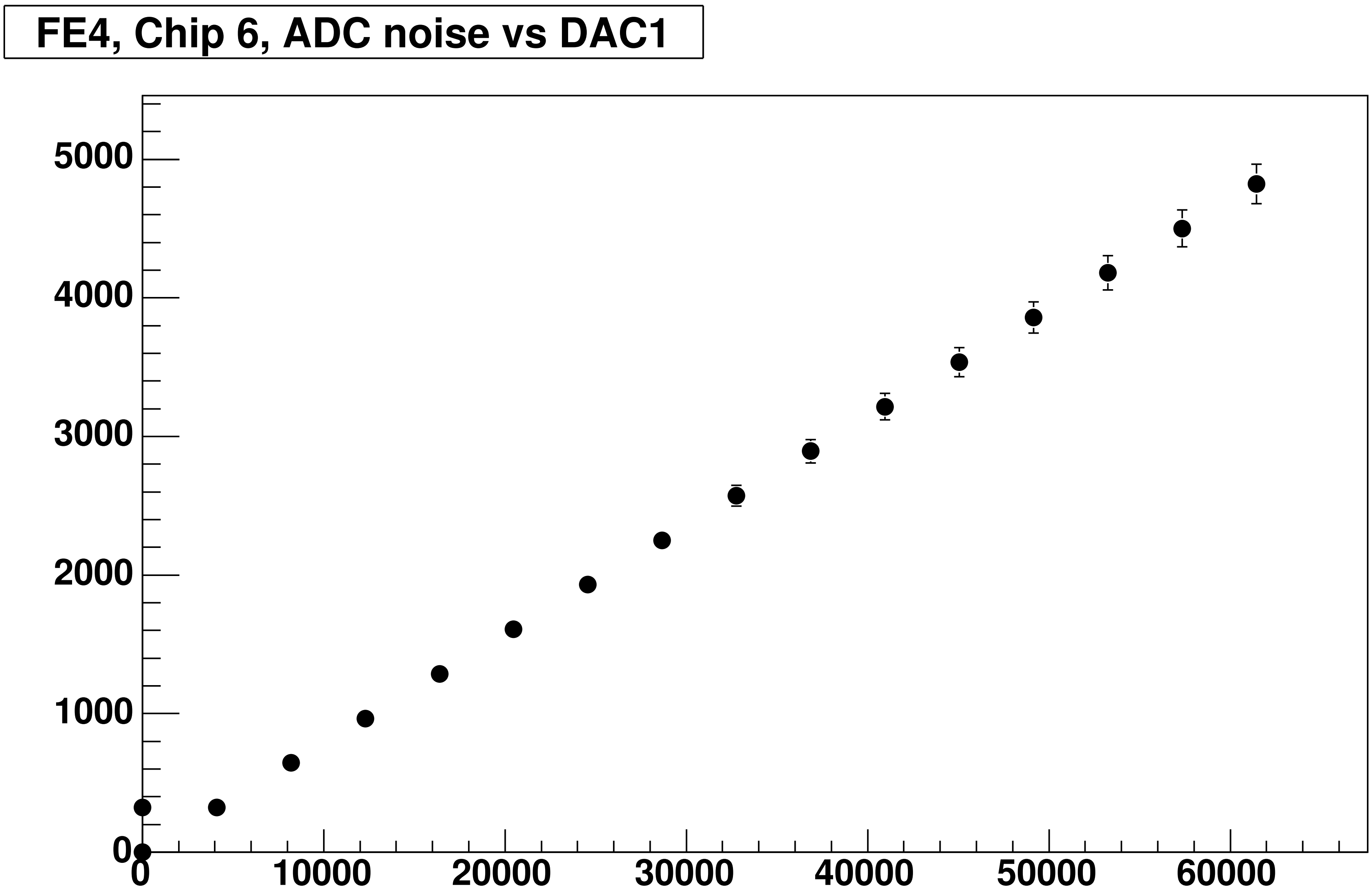
FE4, Chip 6, ADC mean vs DAC0
χ^2 / ndf 2.033e-05 / 11
p0 2.857 ± 41.94
p1 0.01408 ± 0.00189
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

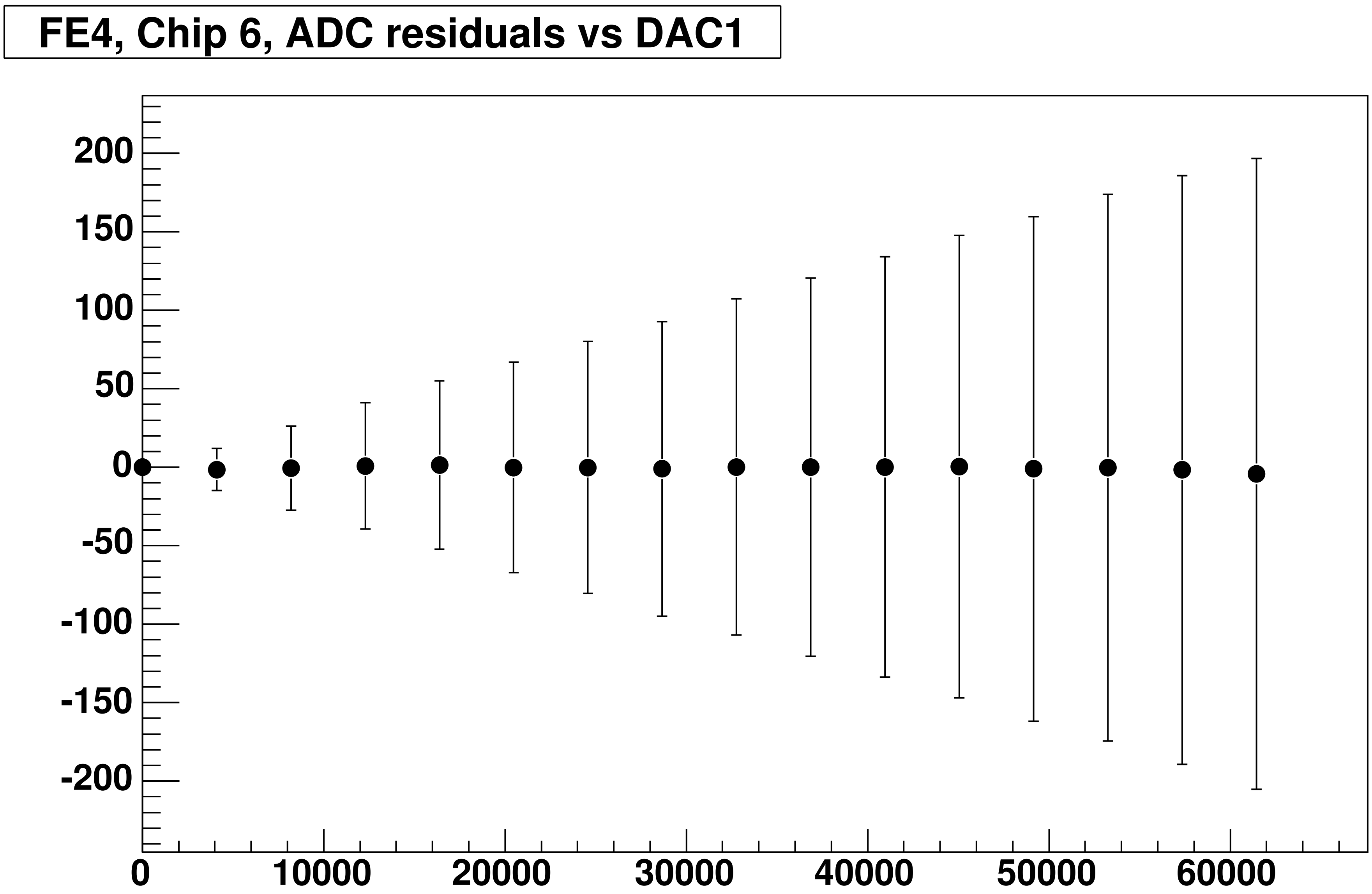

FE4, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

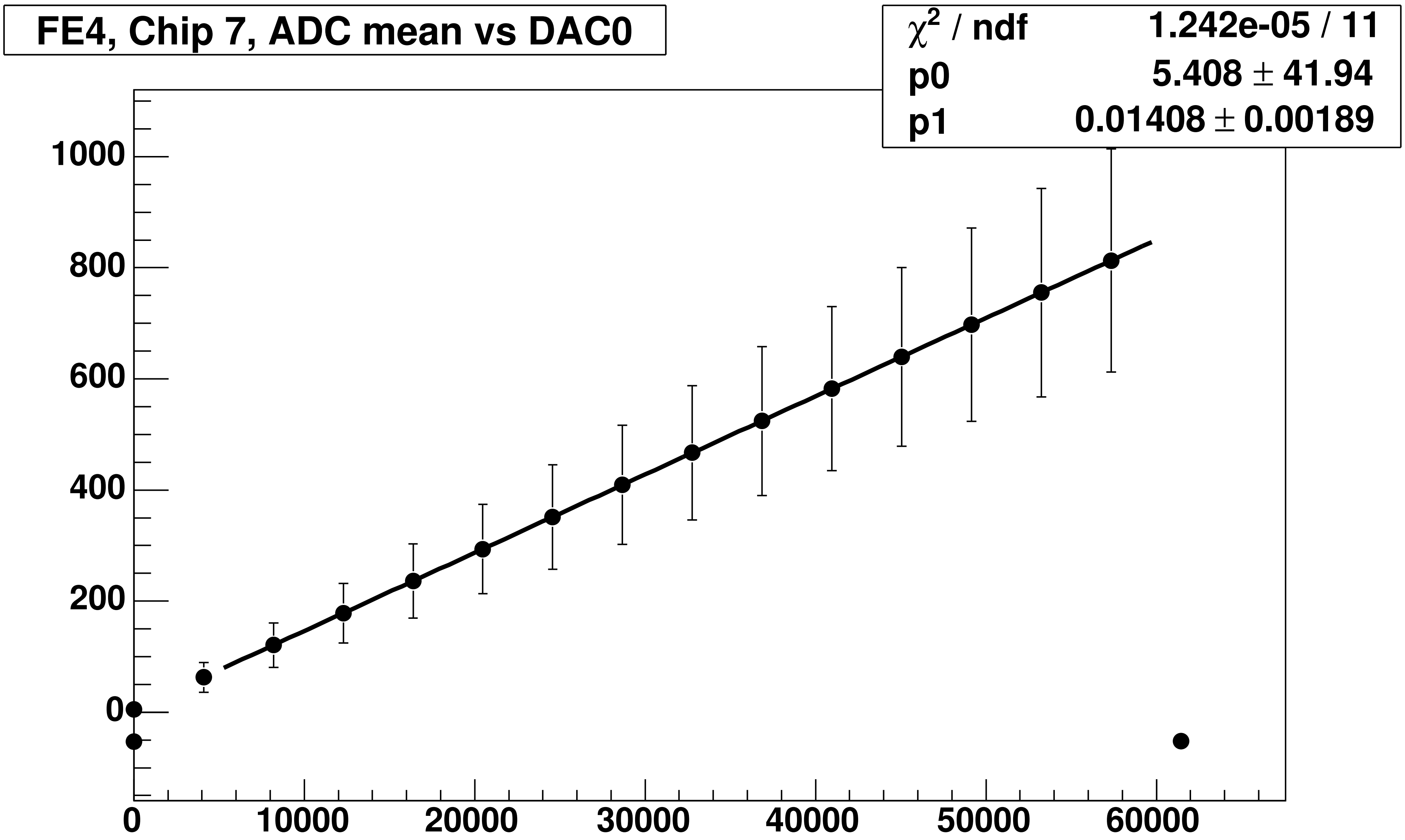

FE4, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

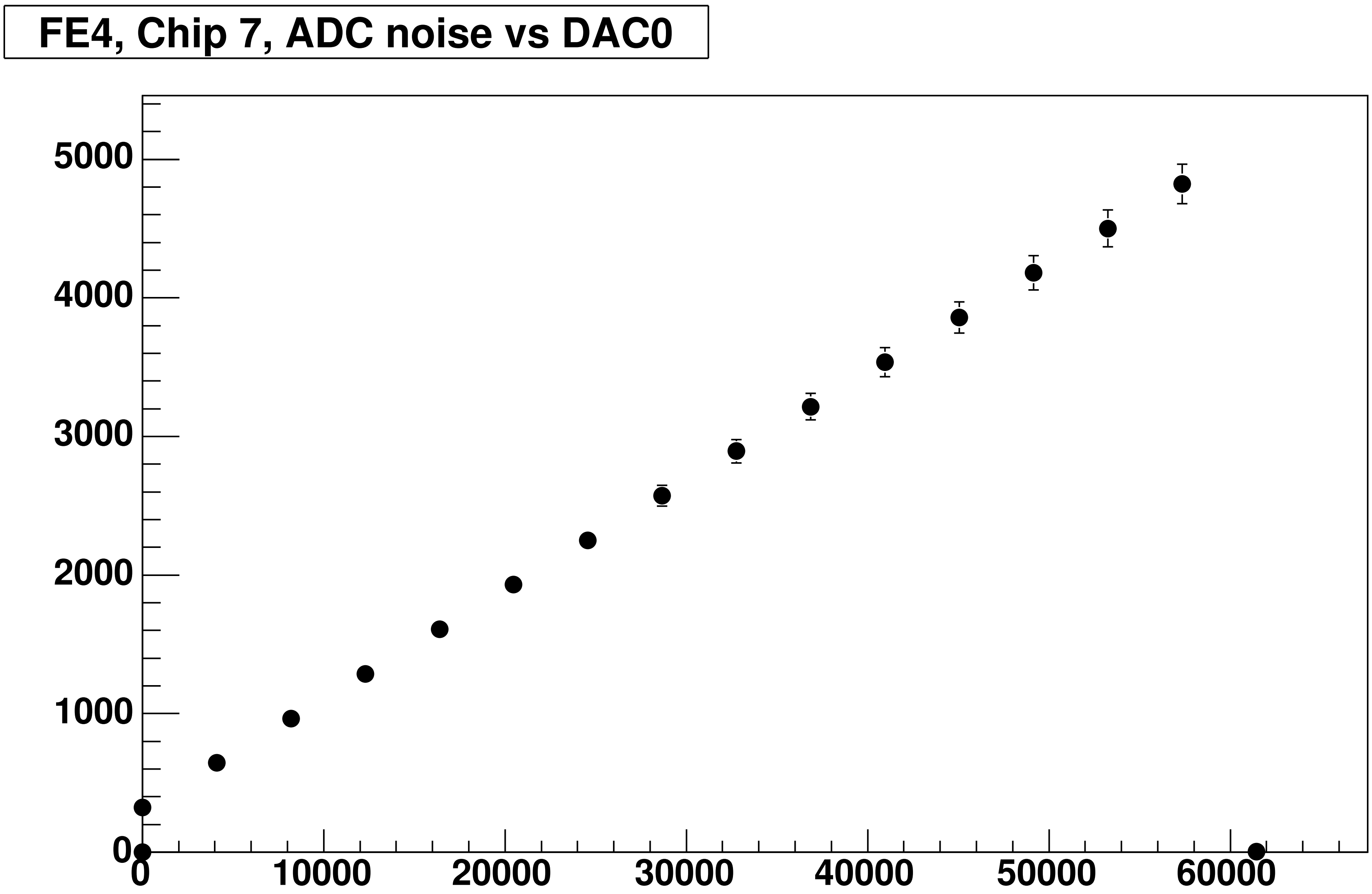


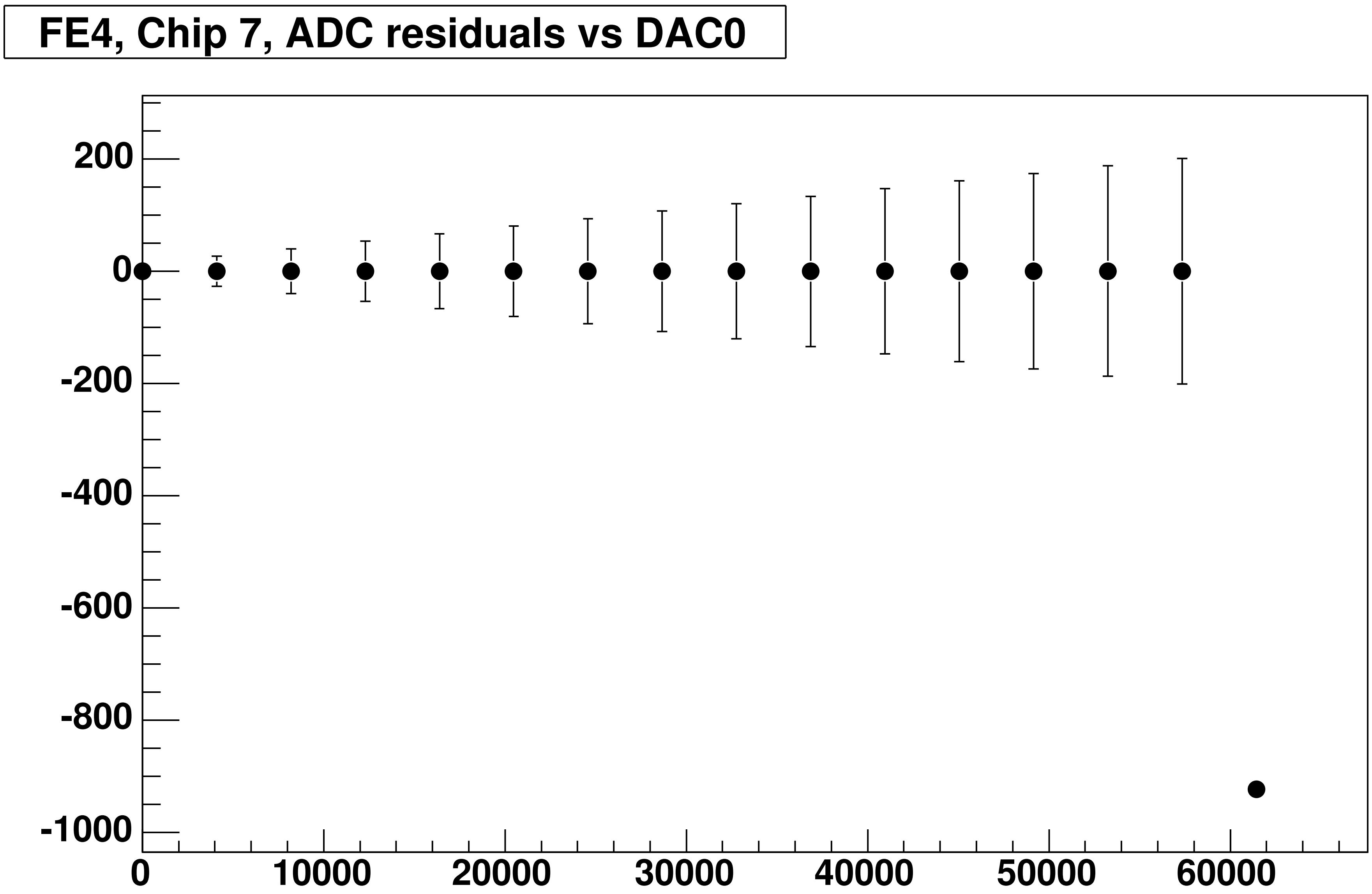
FE4, Chip 6, ADC mean vs DAC1
χ² / ndf 0.001944 / 11
p0 -53.6 ± 31.07
p1 0.4367 ± 0.001596
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

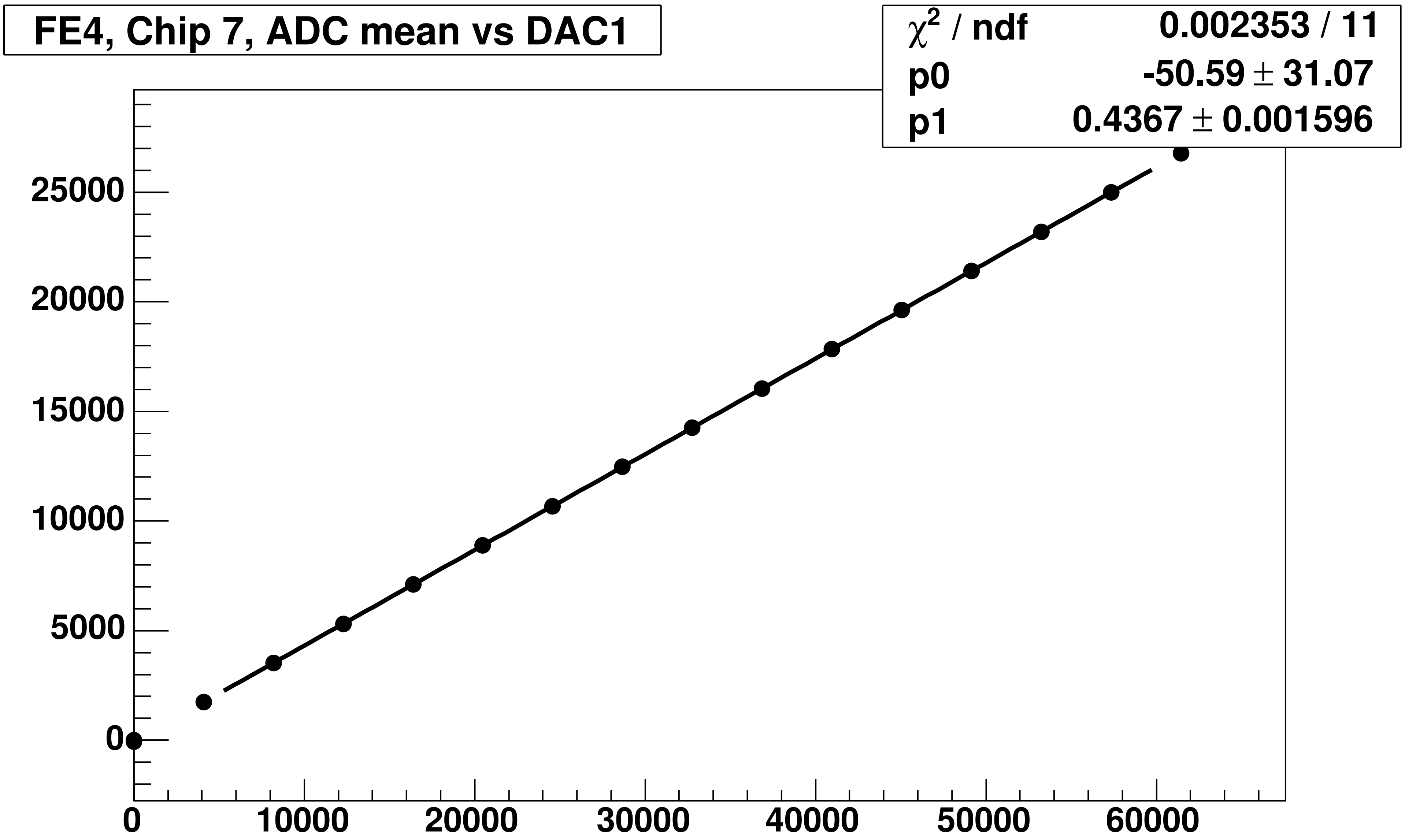

FE4, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 7, ADC mean vs DAC0
χ^2 / ndf 1.242e-05 / 11
p0 5.408 ± 41.94
p1 0.01408 ± 0.00189
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

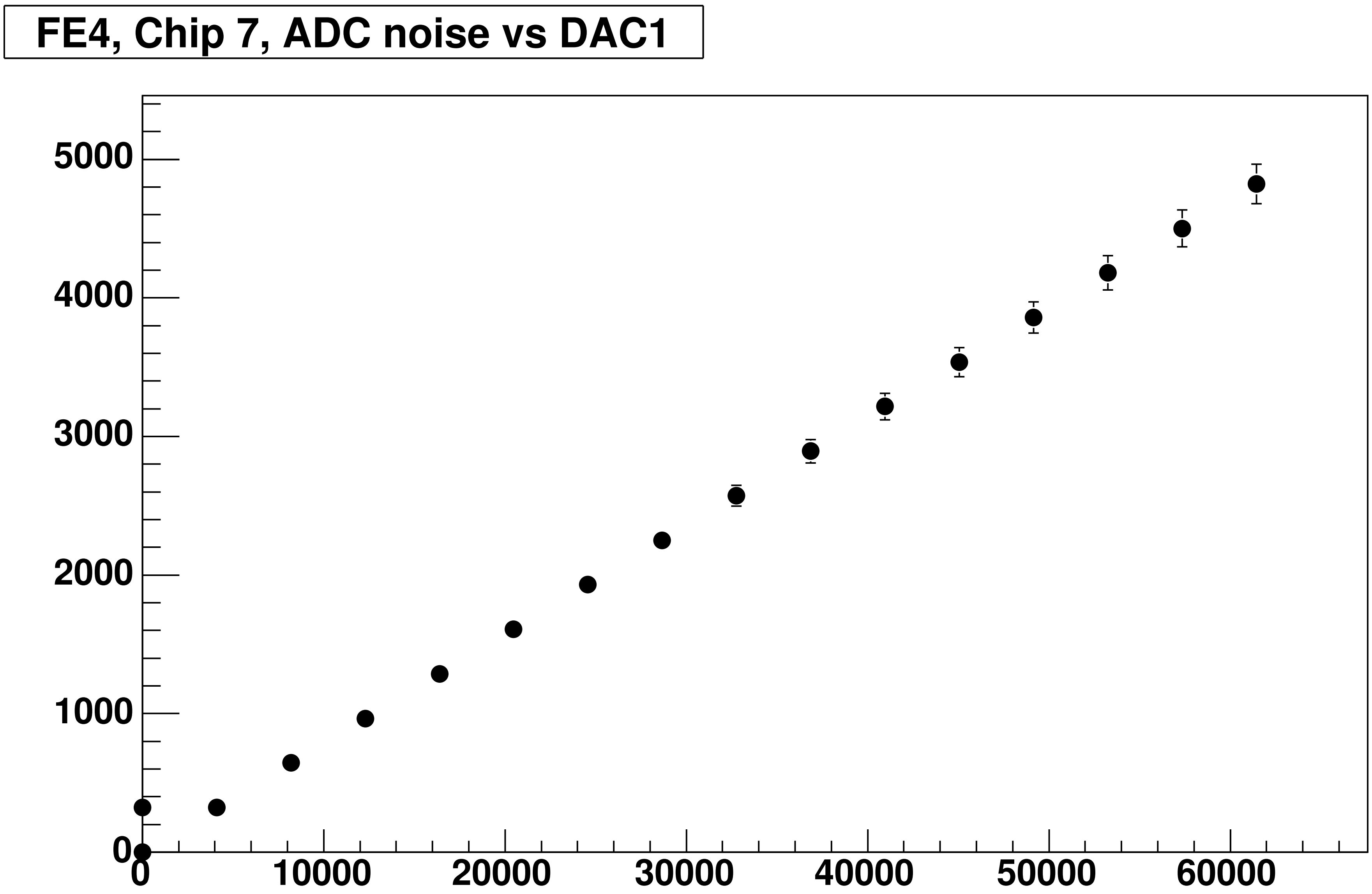

FE4, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

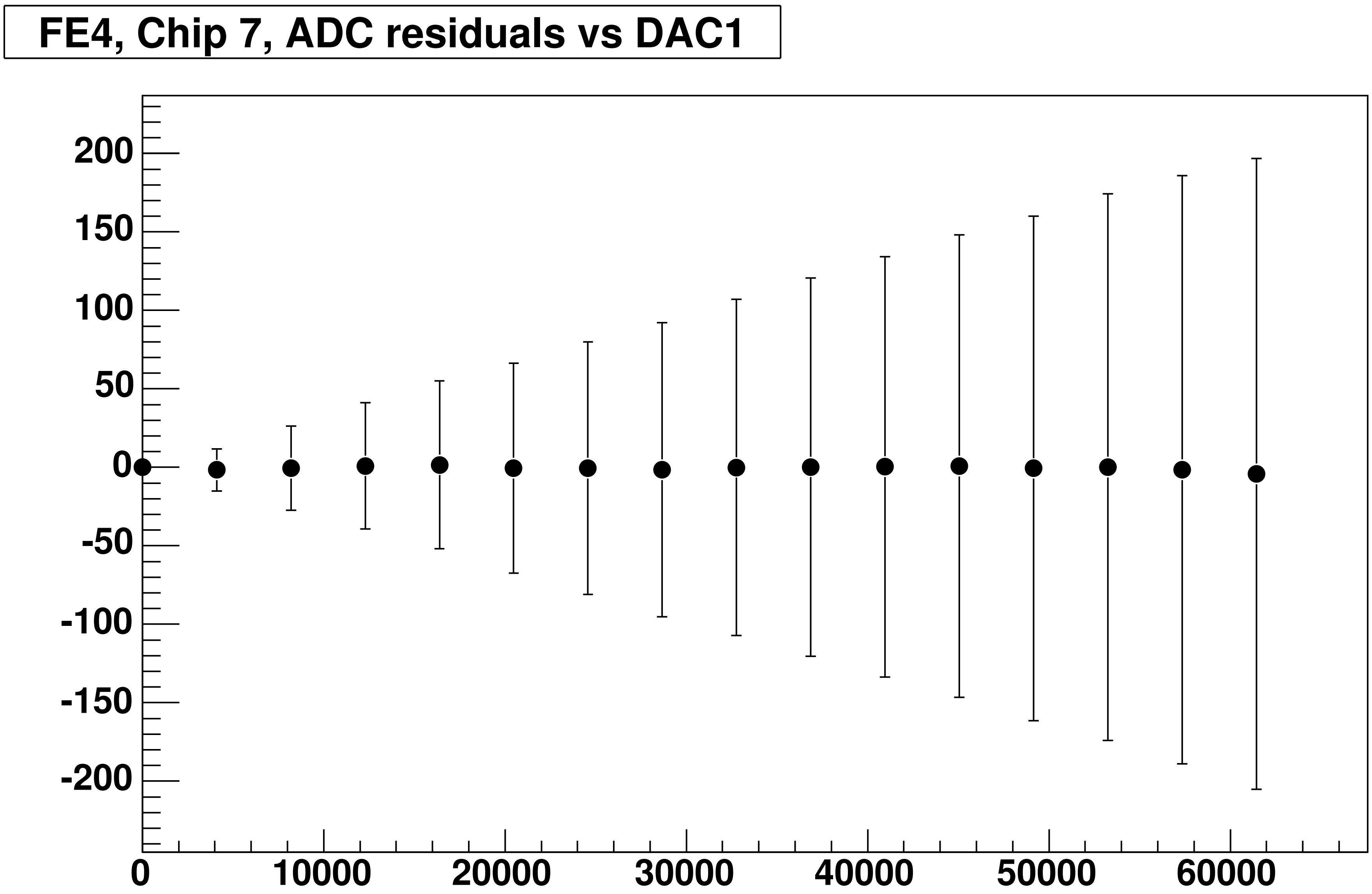


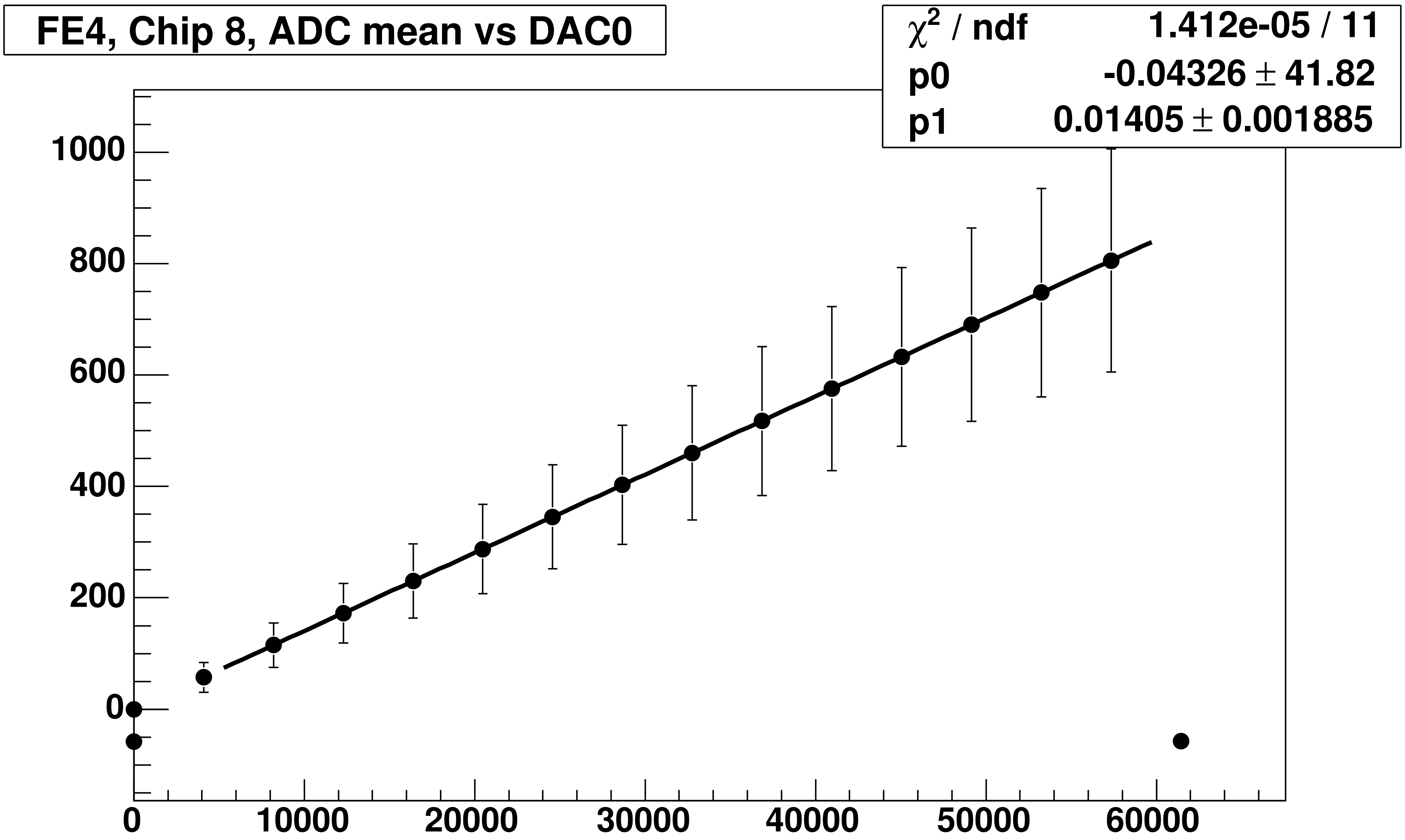
FE4, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

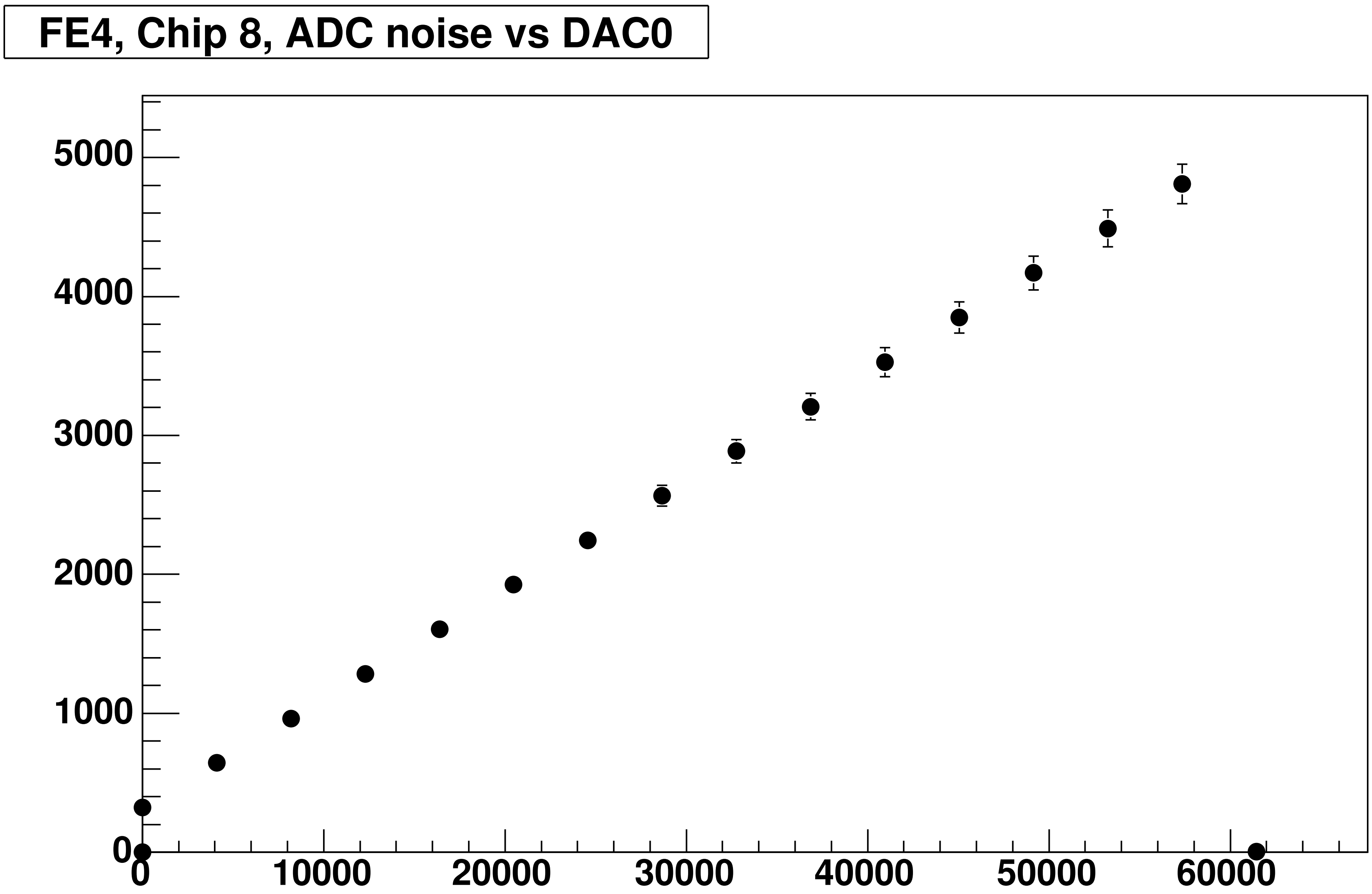


FE4, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.002353 / 11
p0 -50.59 ± 31.07
p1 0.4367 ± 0.001596
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

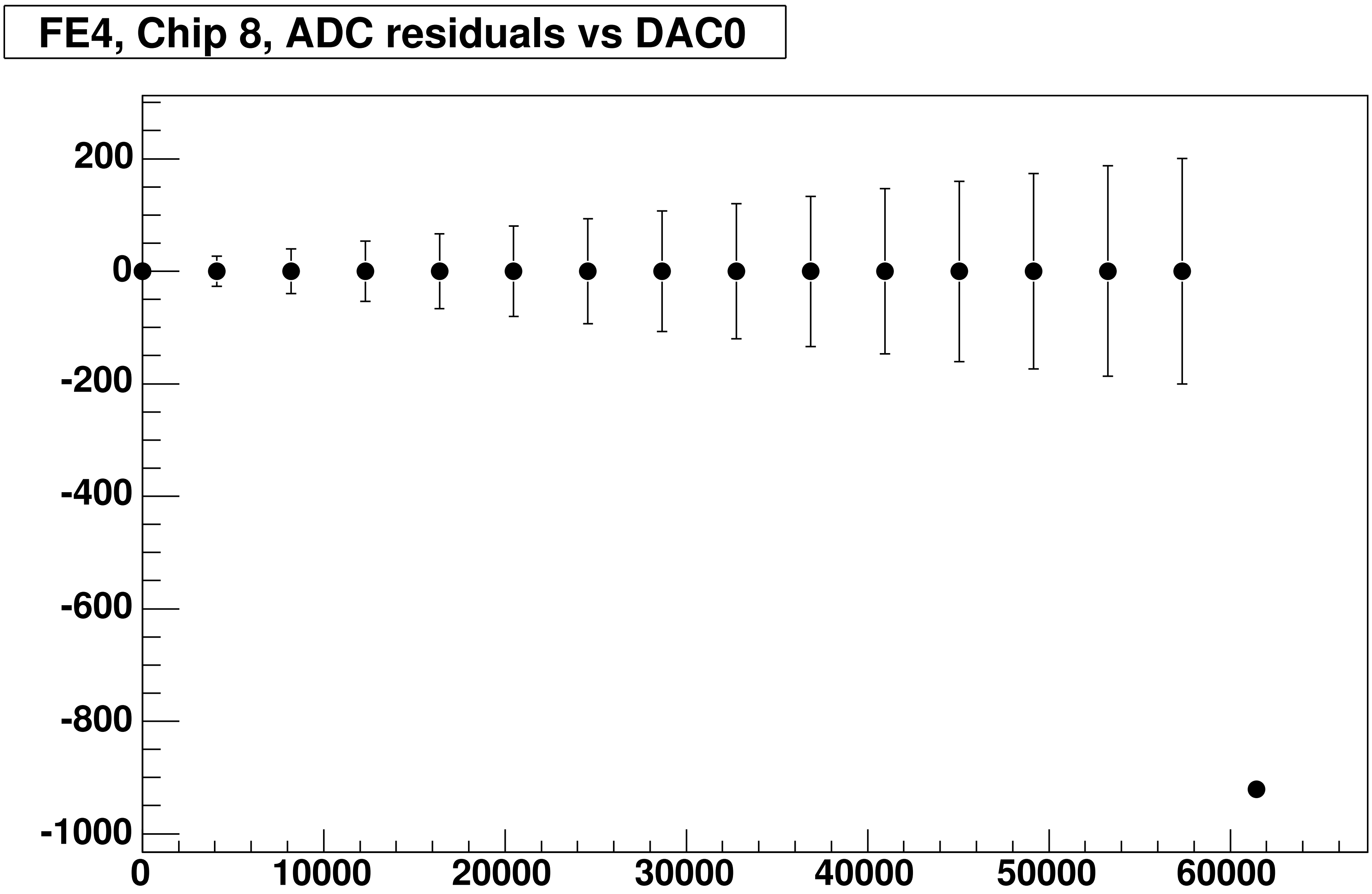

FE4, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

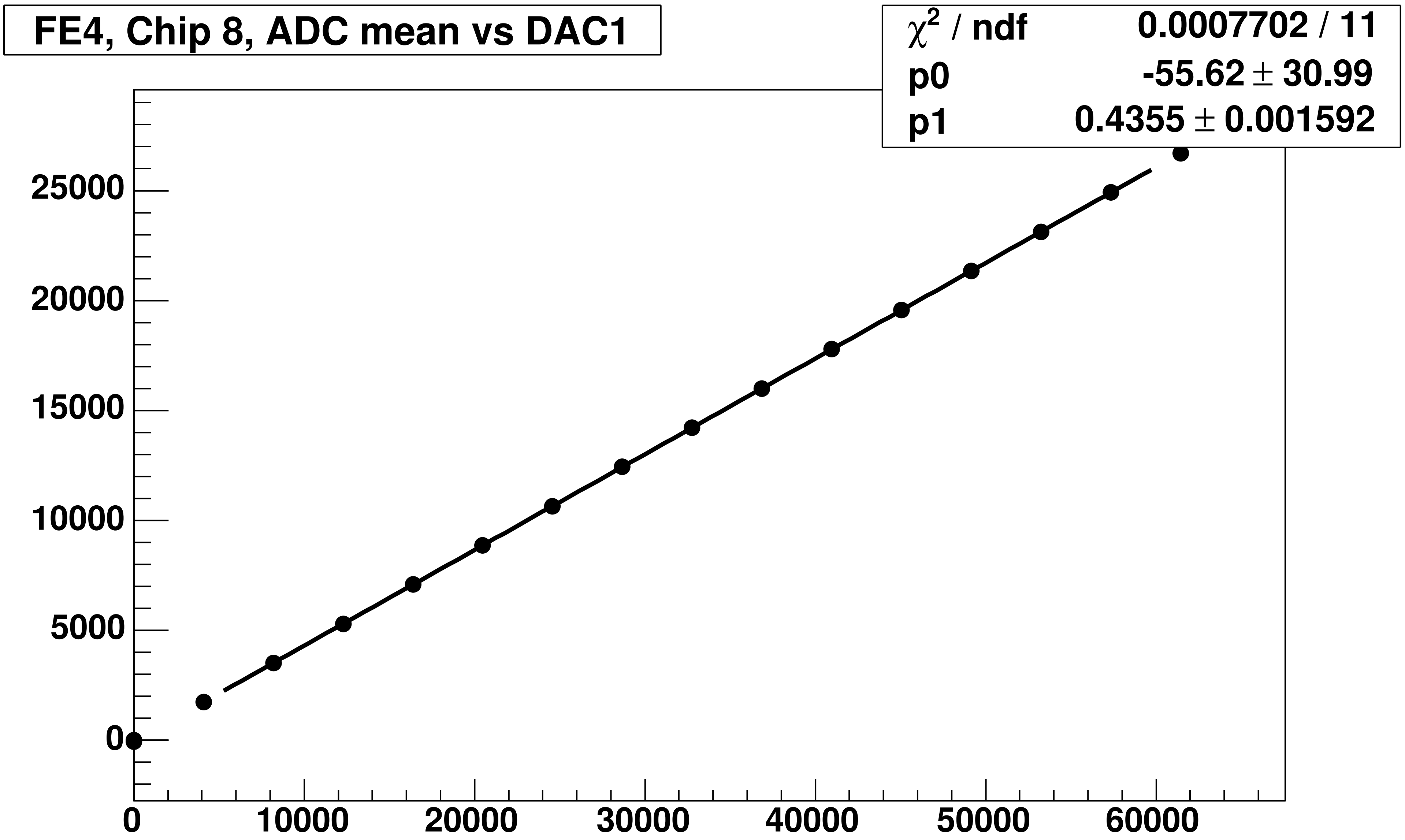

FE4, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.412e-05 / 11
p0 -0.04326 ± 41.82
p1 0.01405 ± 0.001885
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

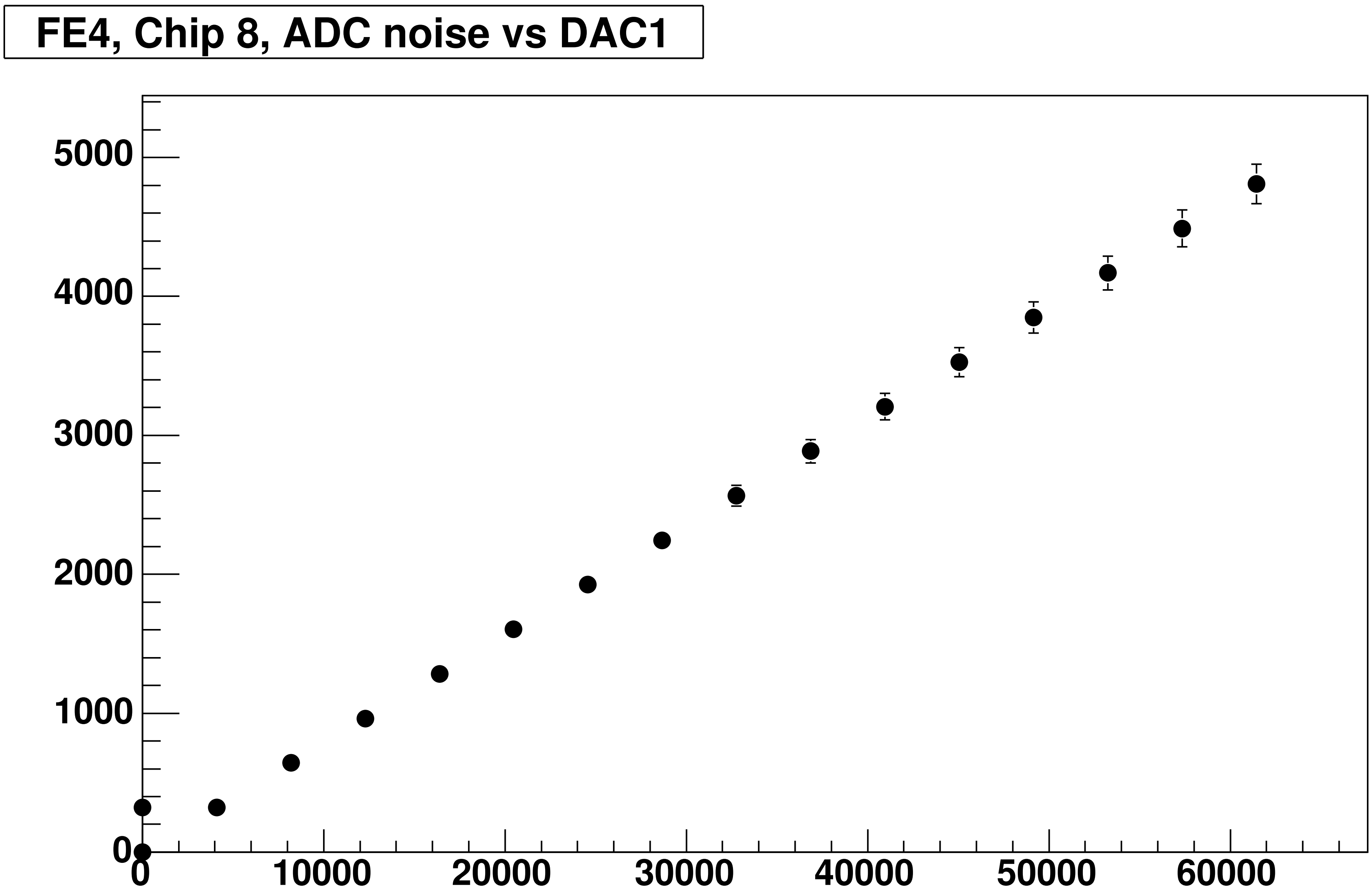


FE4, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

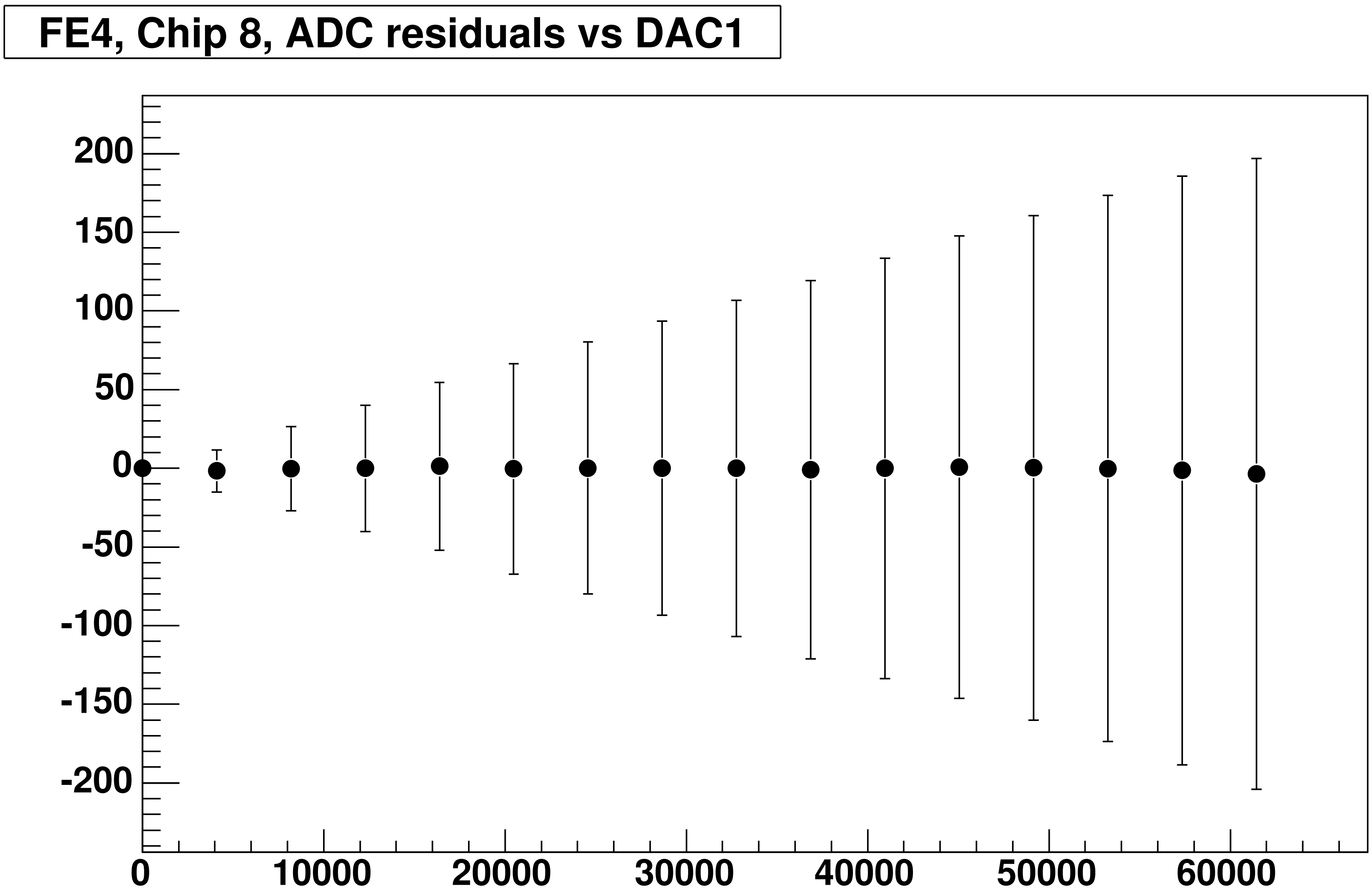

FE4, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

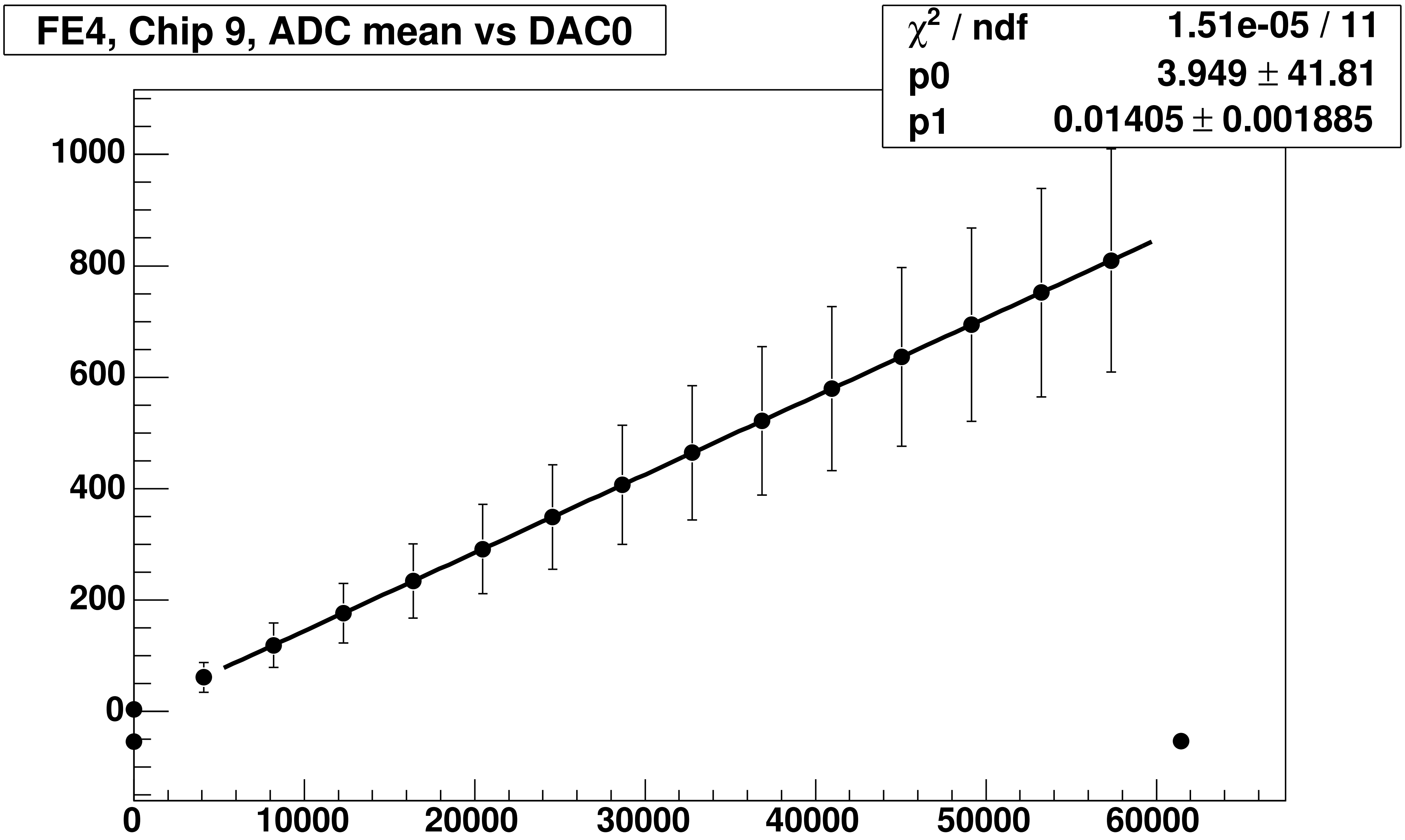


FE4, Chip 8, ADC mean vs DAC1
χ2 / ndf 0.0007702 / 11
p0 -55.62 ± 30.99
p1 0.4355 ± 0.001592
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

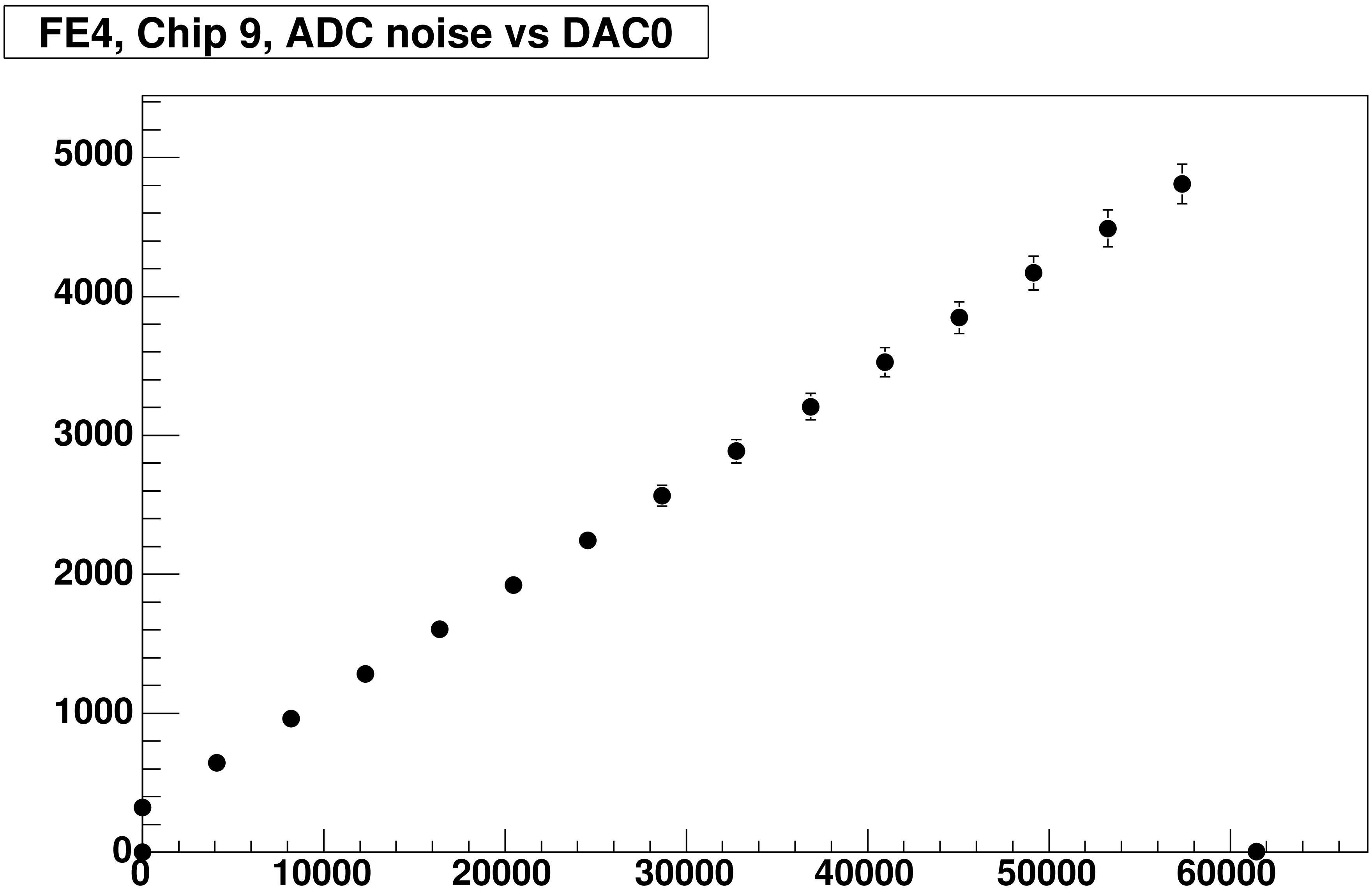


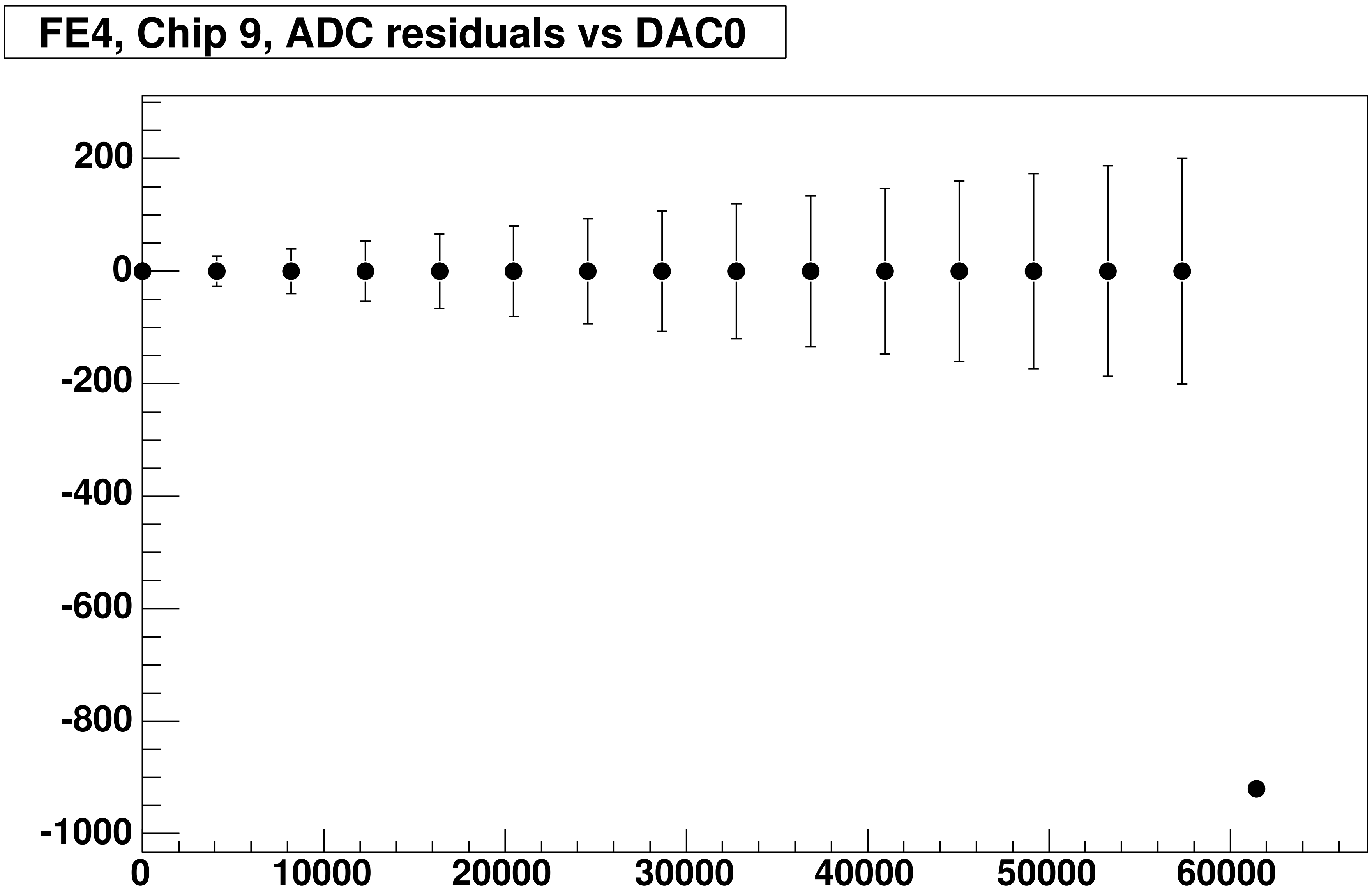
FE4, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

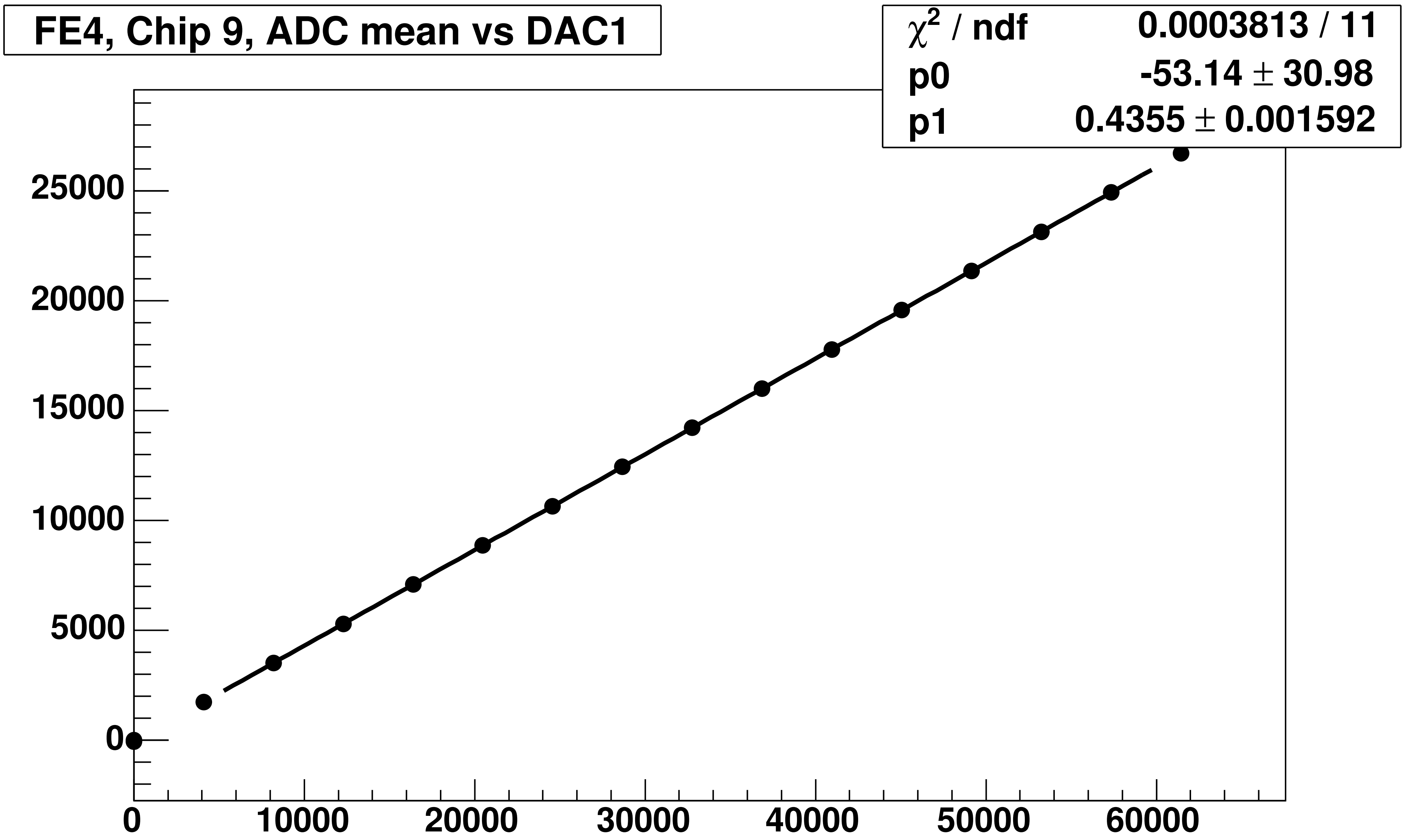

FE4, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



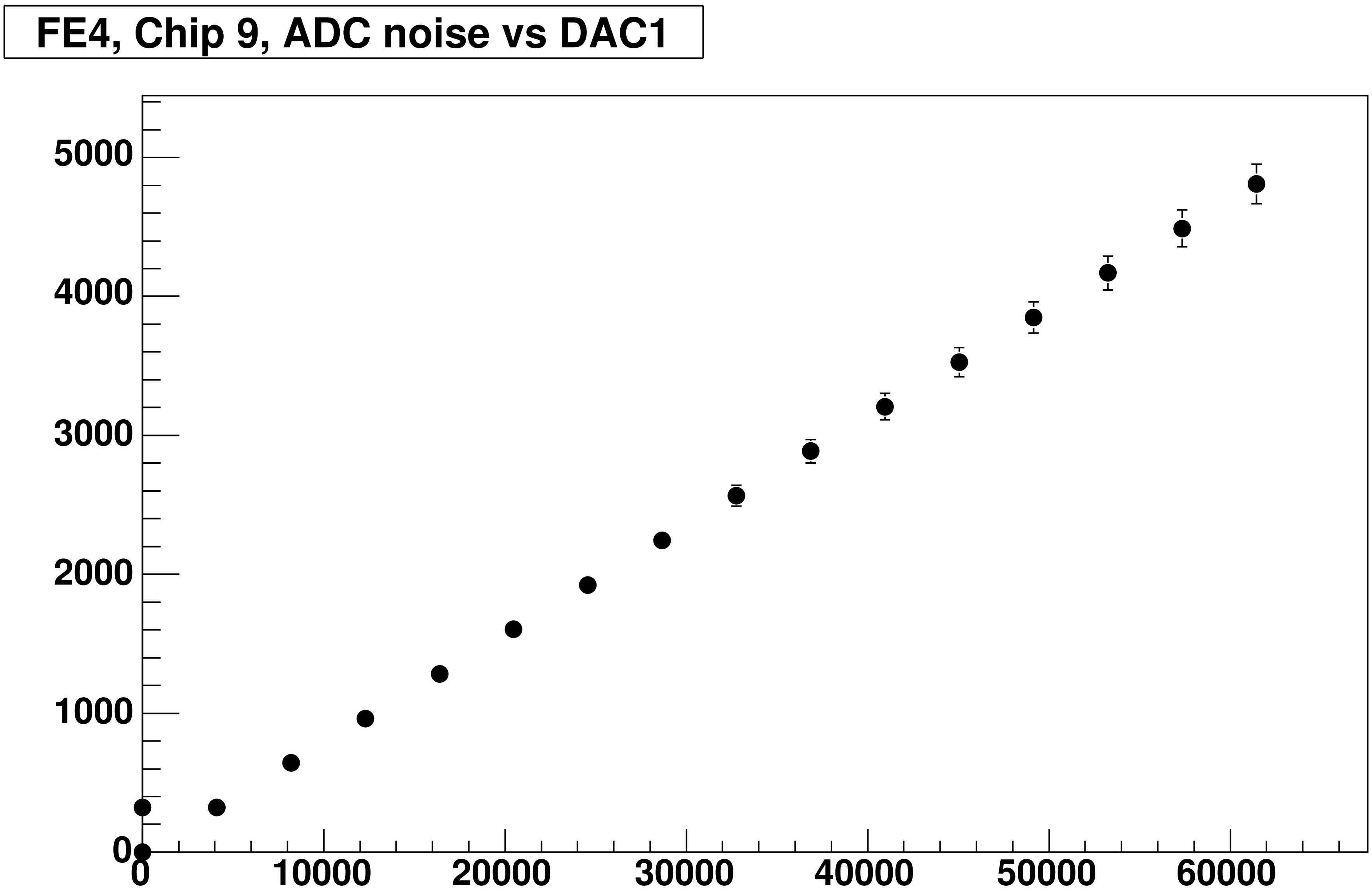
FE4, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.51e-05 / 11
p0 3.949 ± 41.81
p1 0.01405 ± 0.001885
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

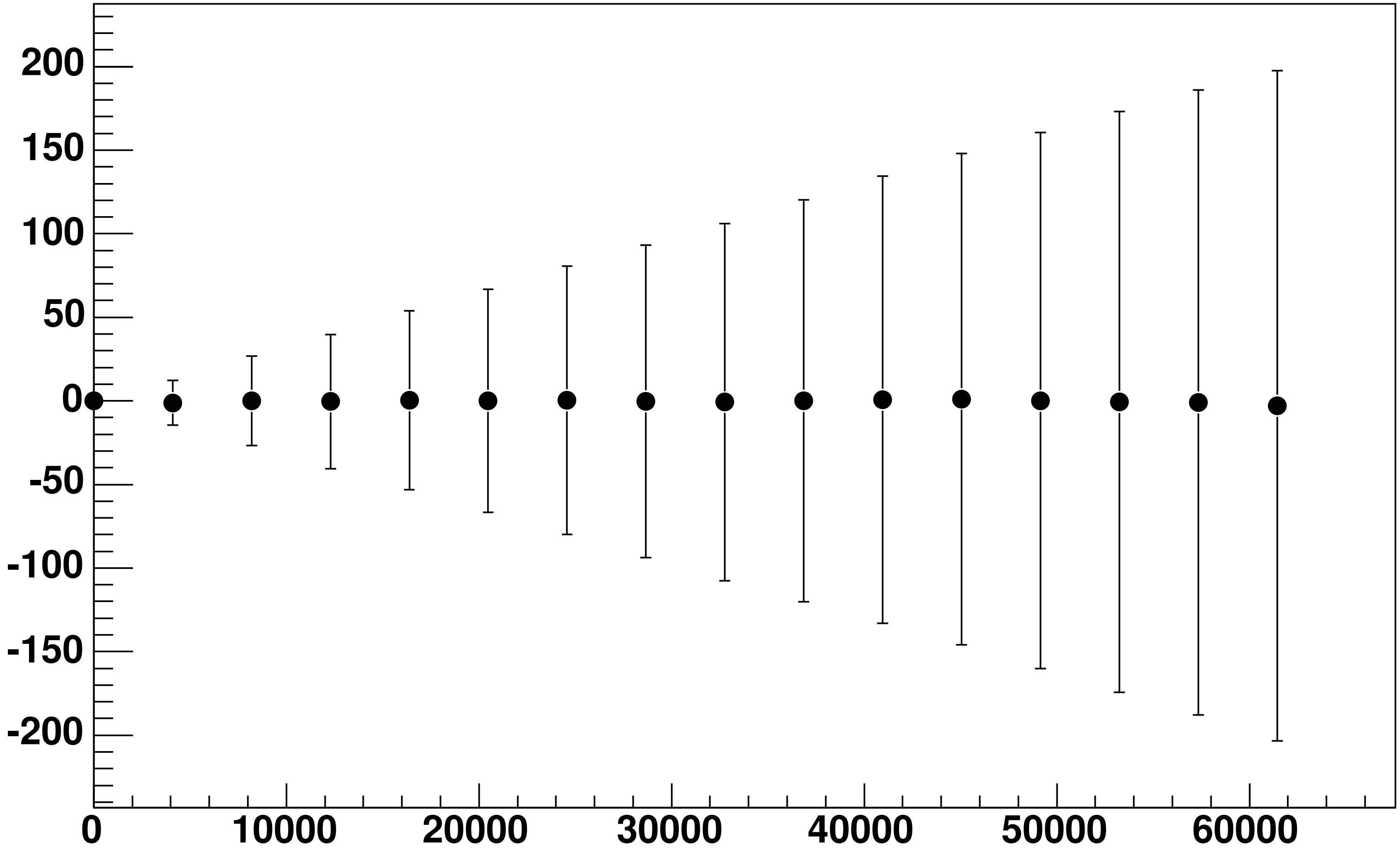

FE4, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

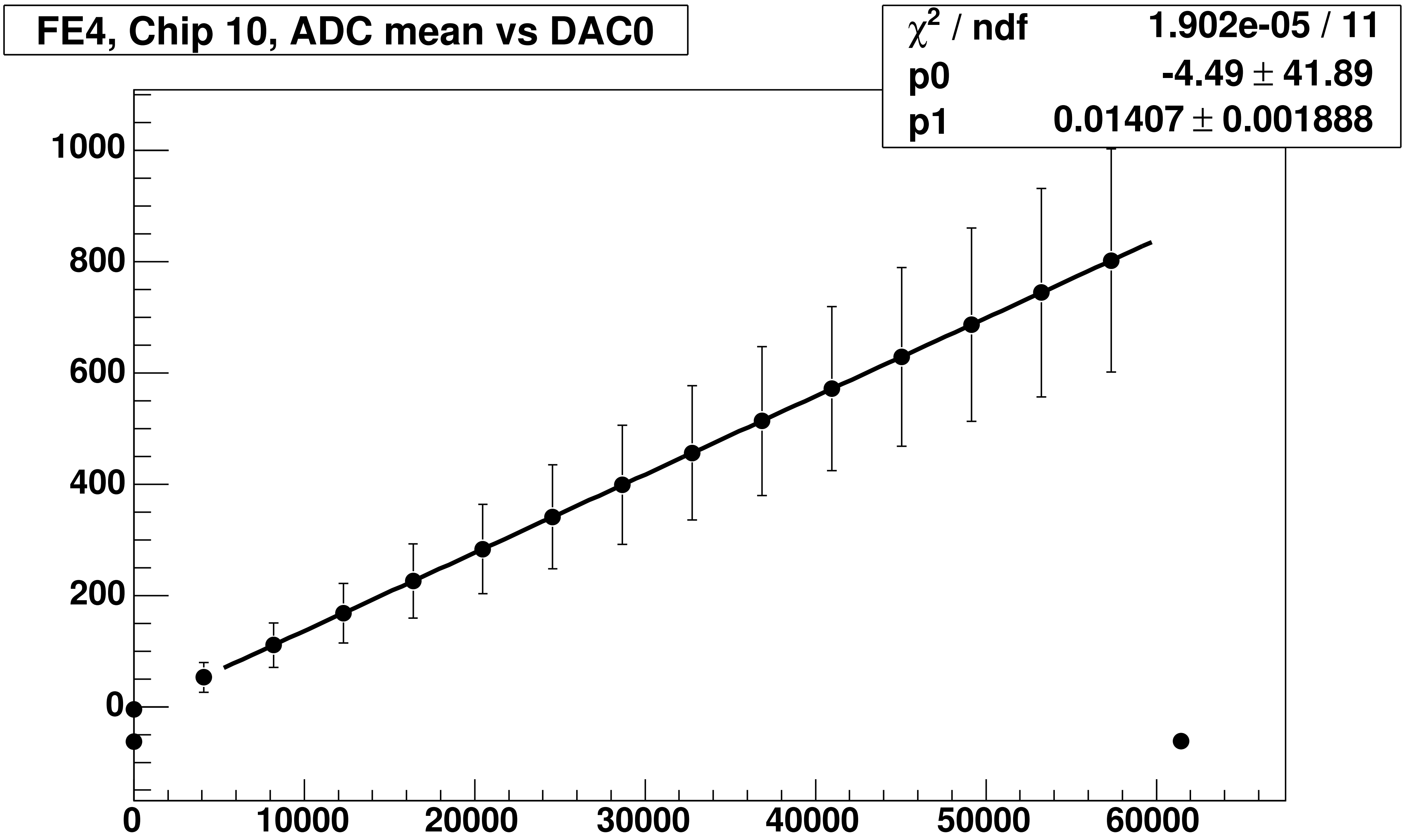


FE4, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0003813 / 11
p0 -53.14 ± 30.98
p1 0.4355 ± 0.001592
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

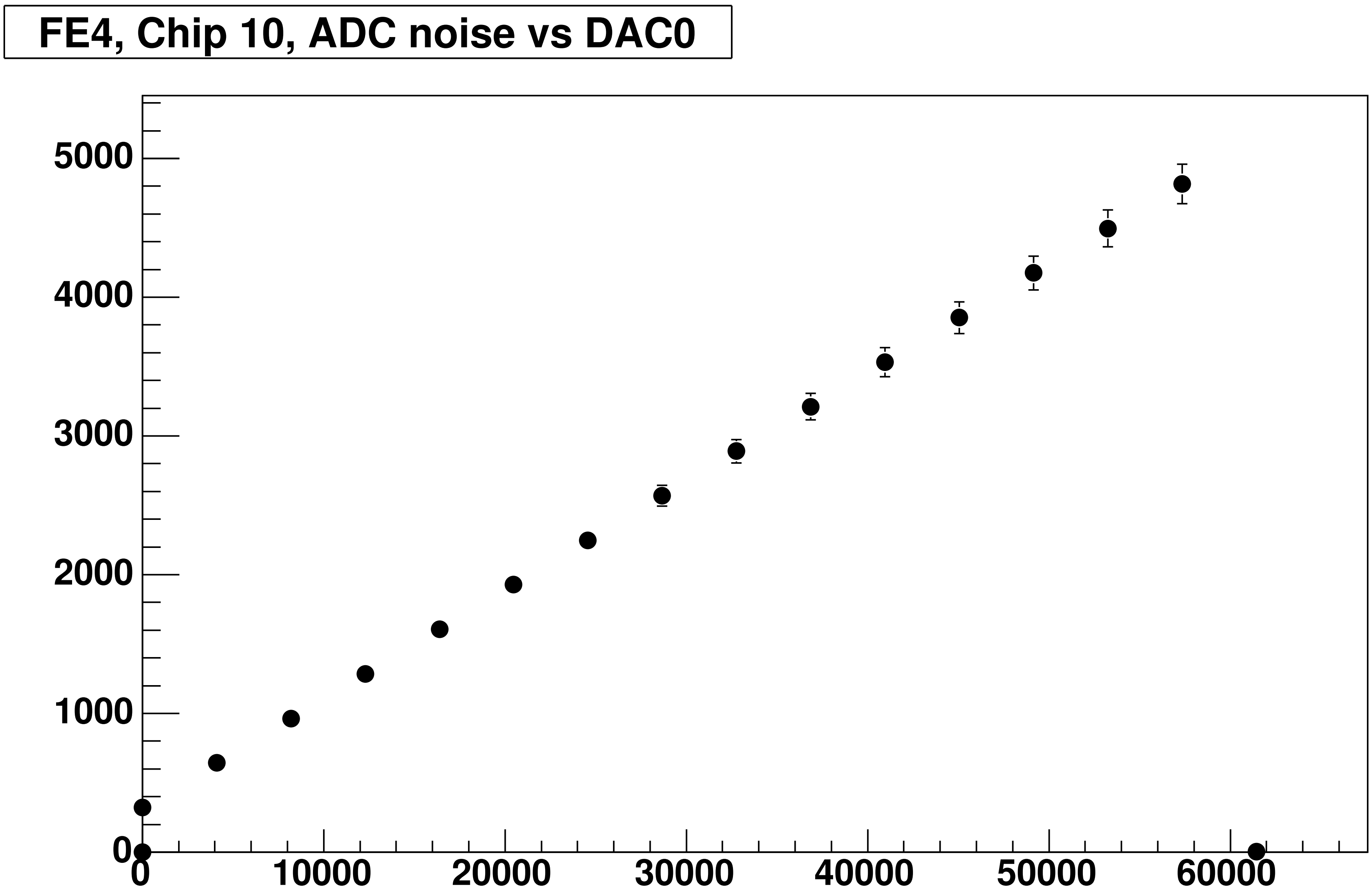

FE4, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

FE4, Chip 9, ADC residuals vs DAC1

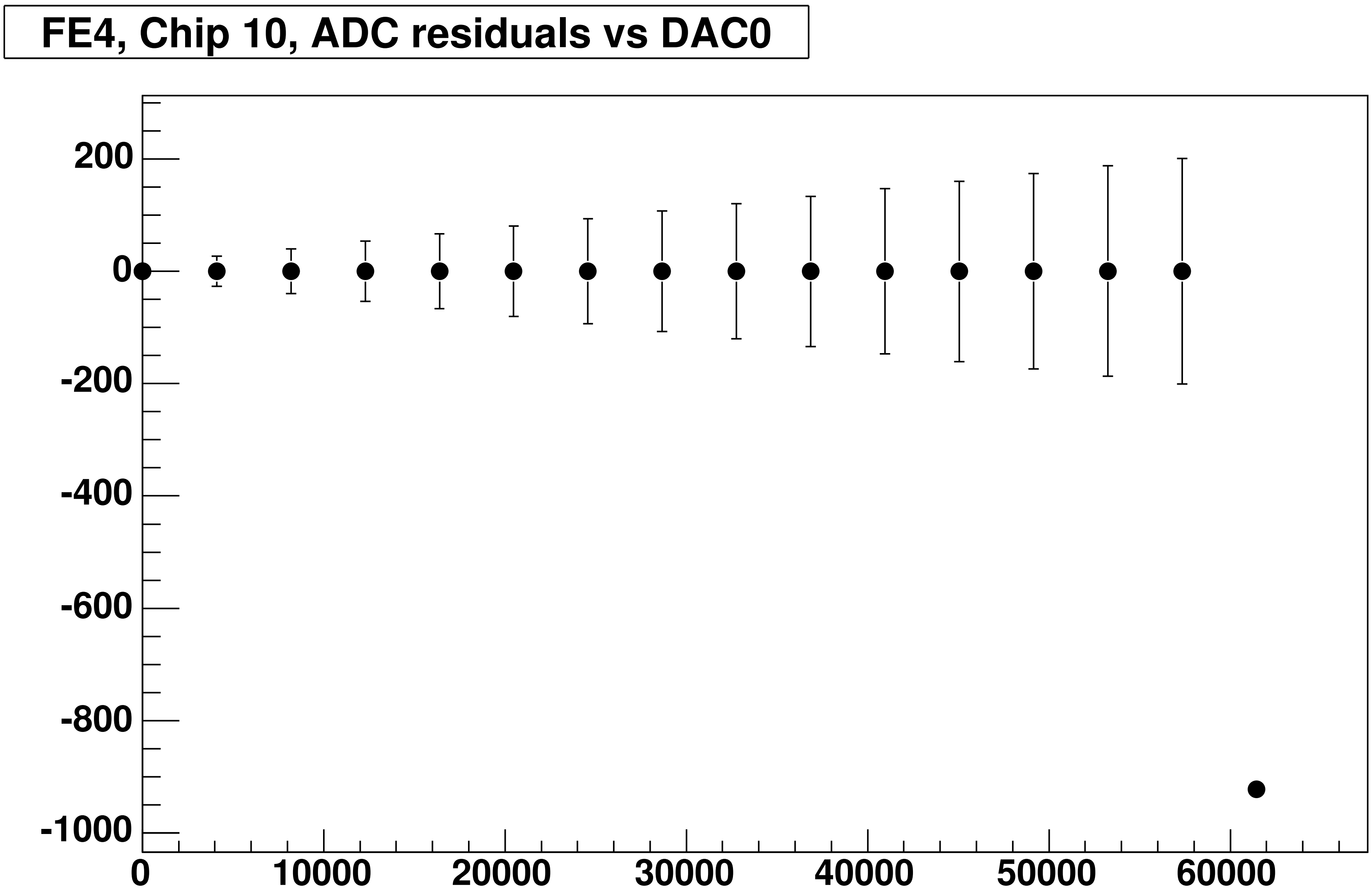


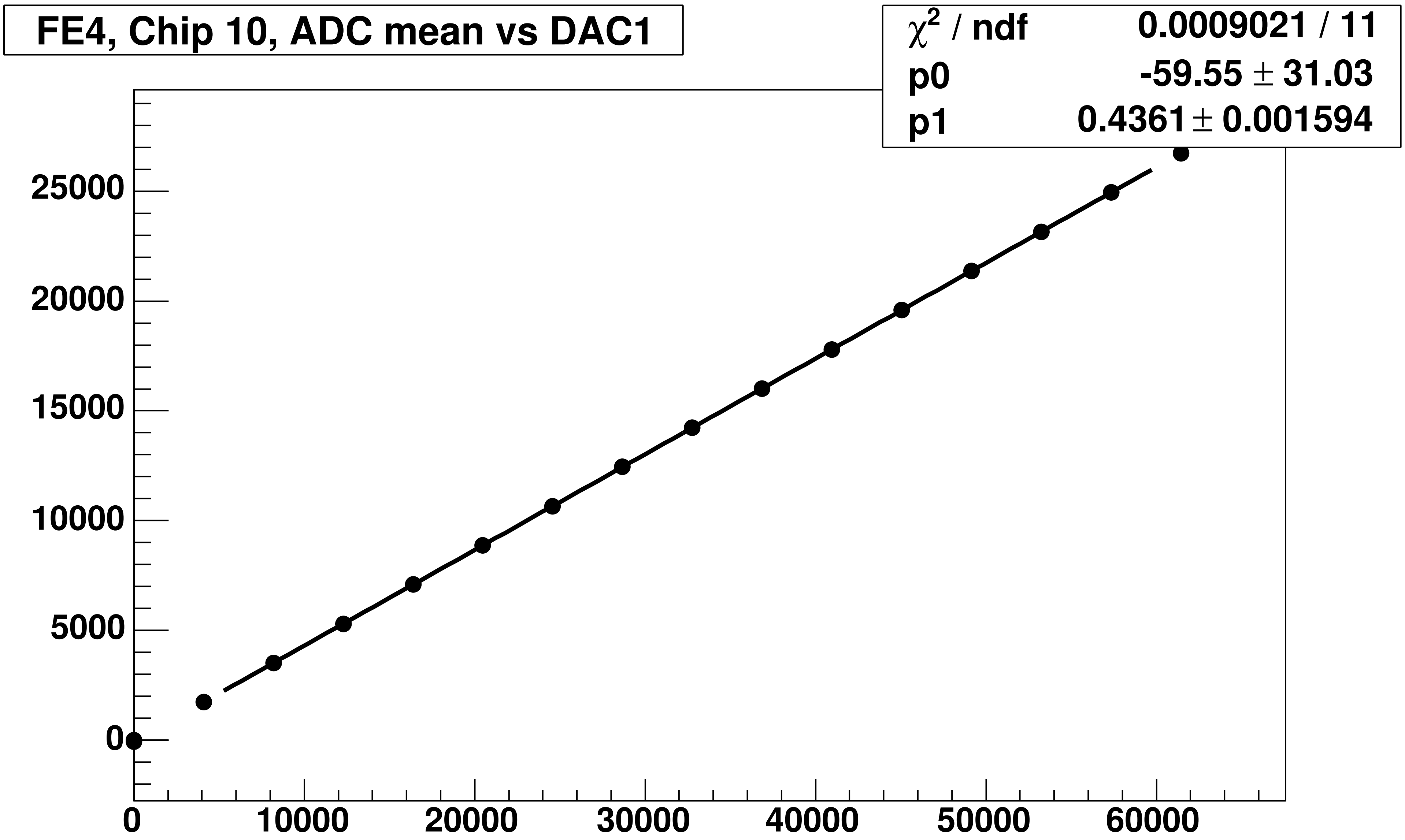


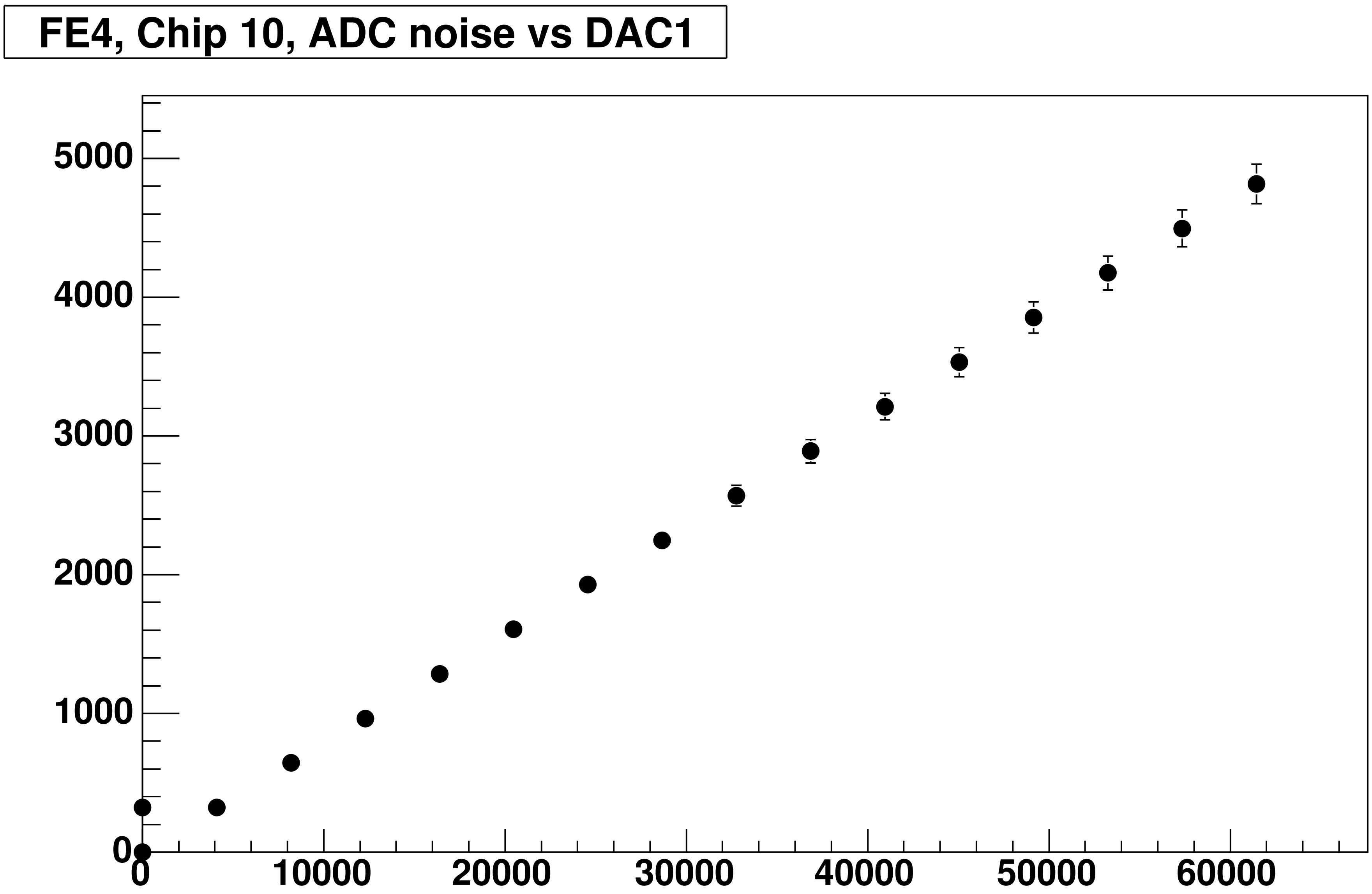
FE4, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1.902e-05 / 11
p0 -4.49 ± 41.89
p1 0.01407 ± 0.001888
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



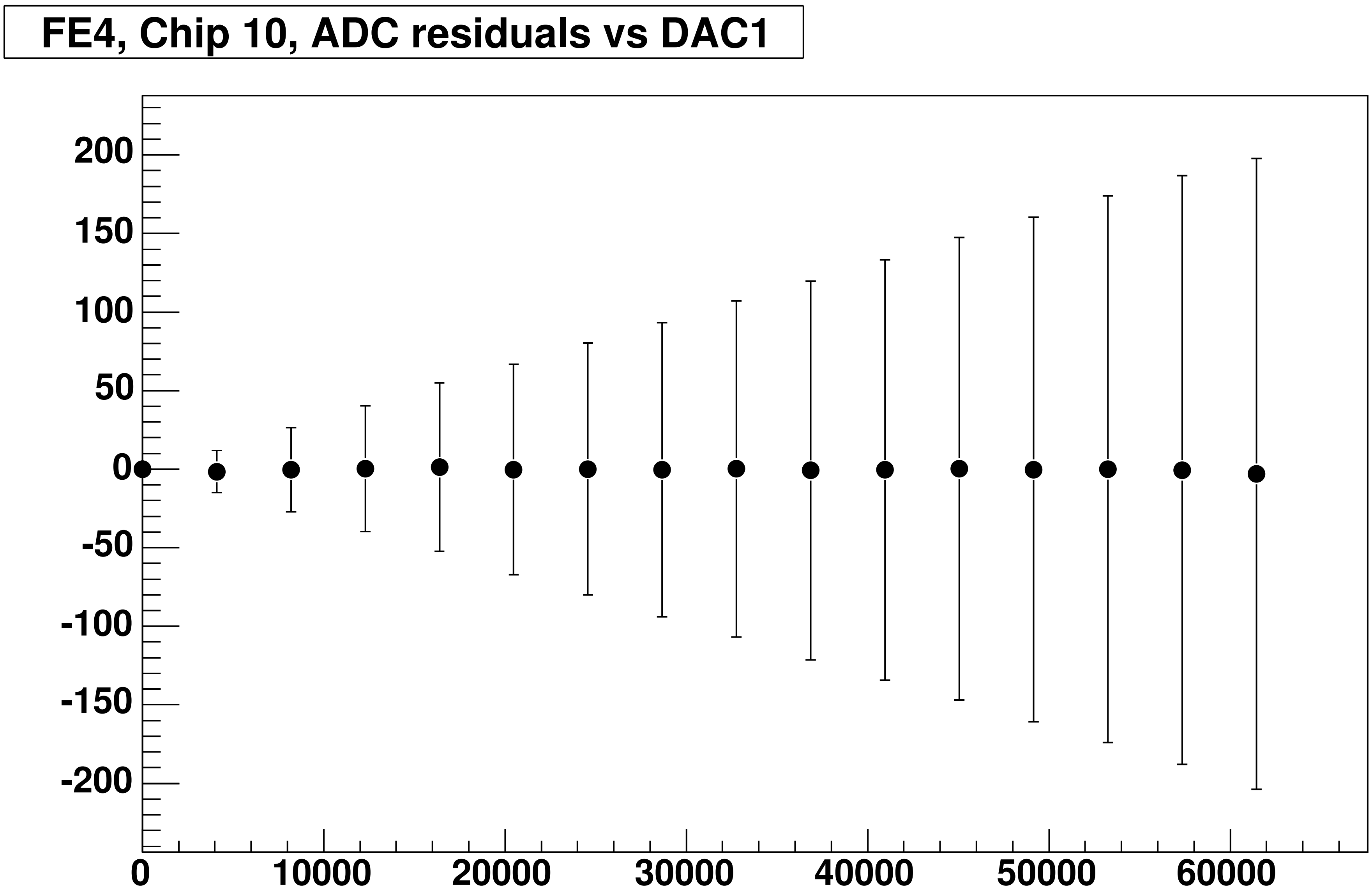
FE4, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE4, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

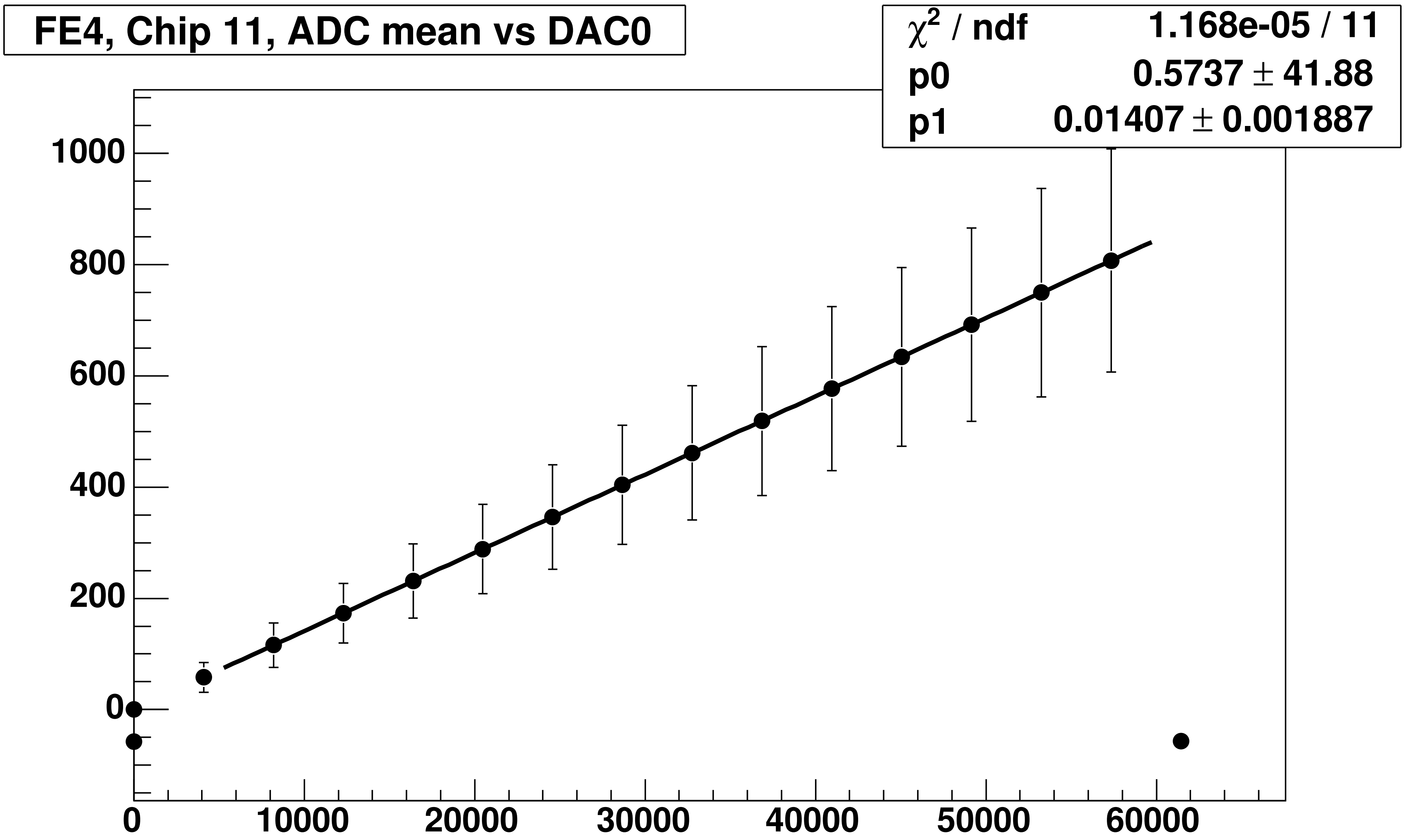

FE4, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0009021 / 11
p0 -59.55 ± 31.03
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



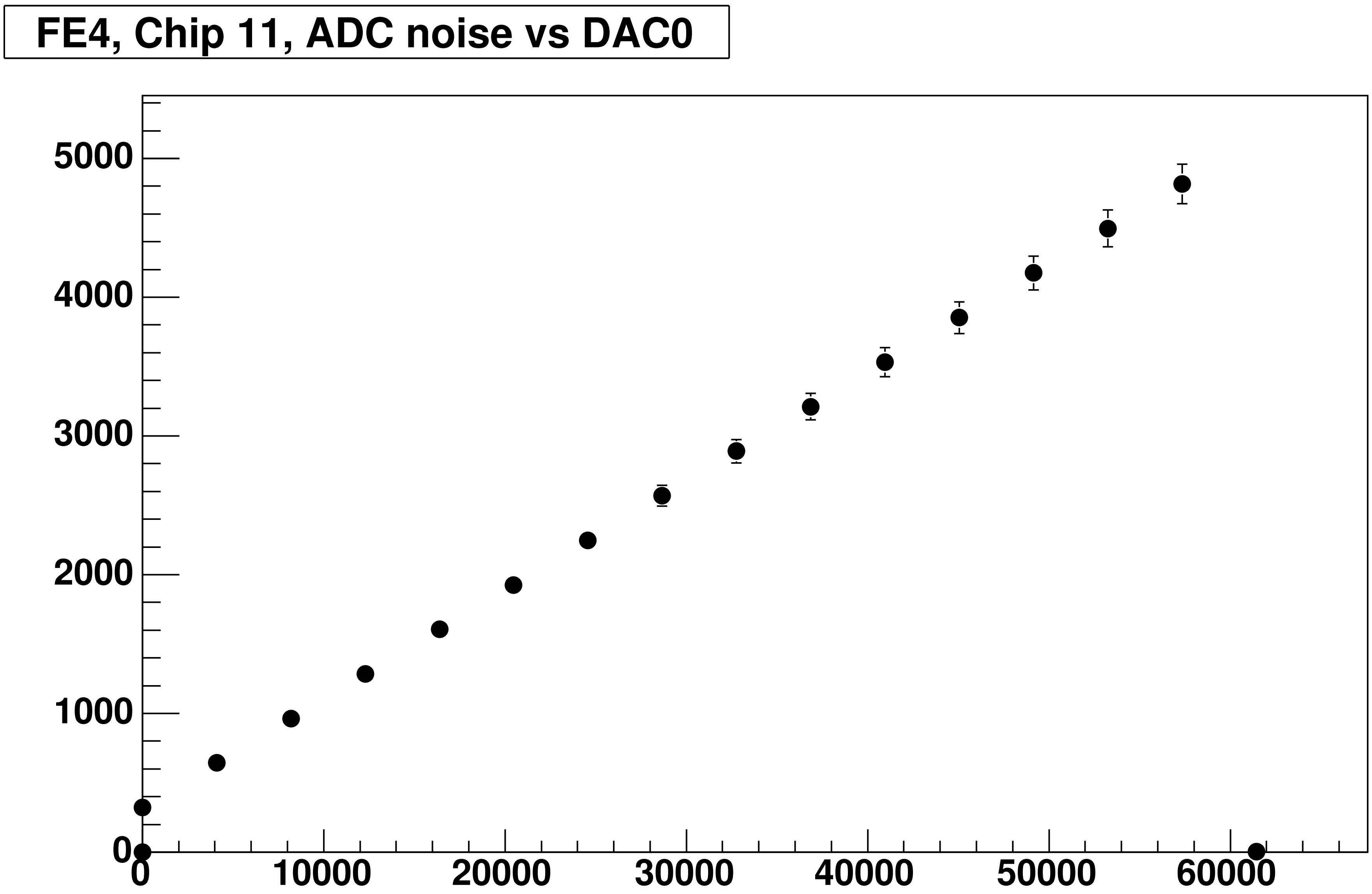
FE4, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

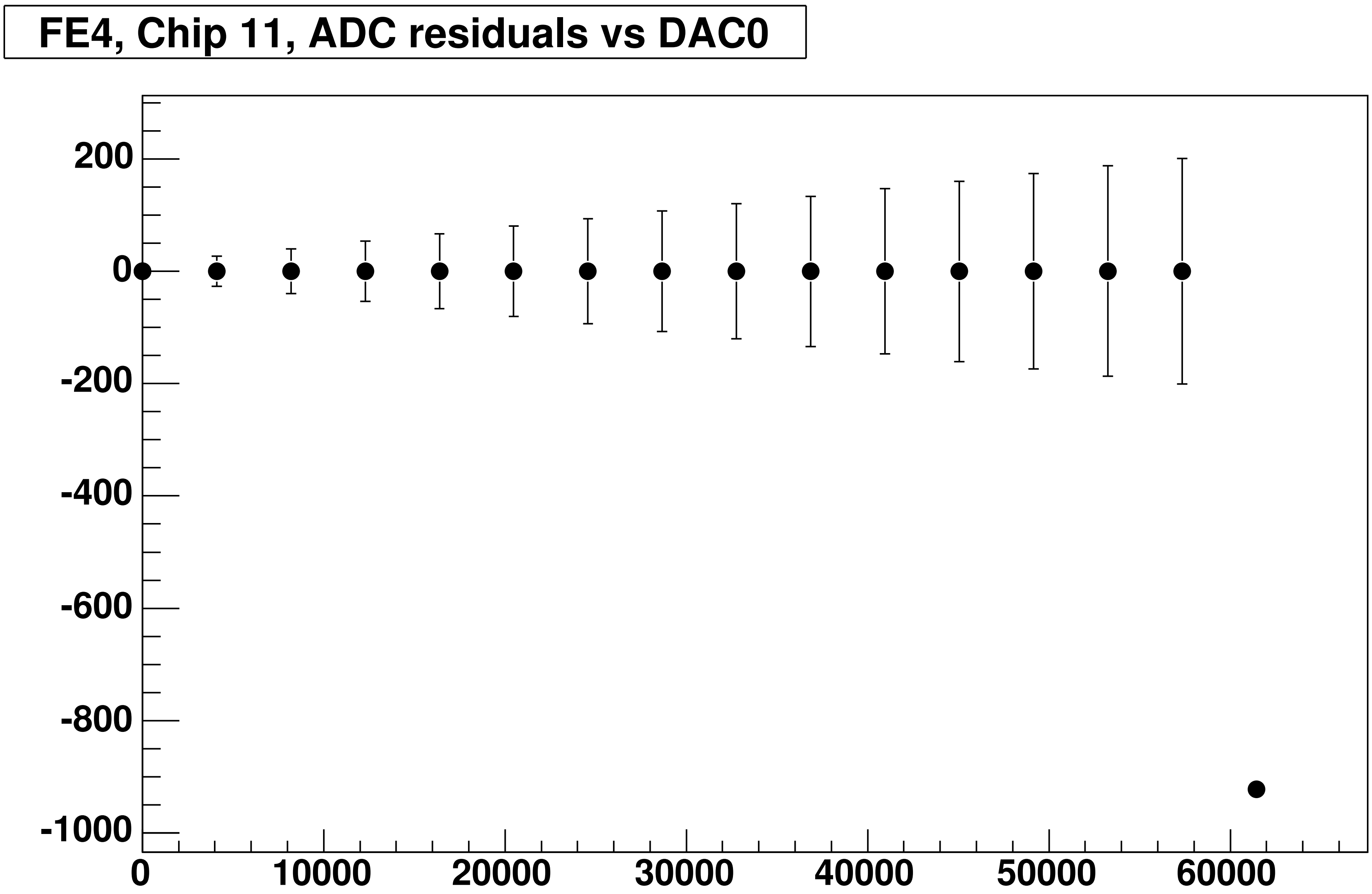


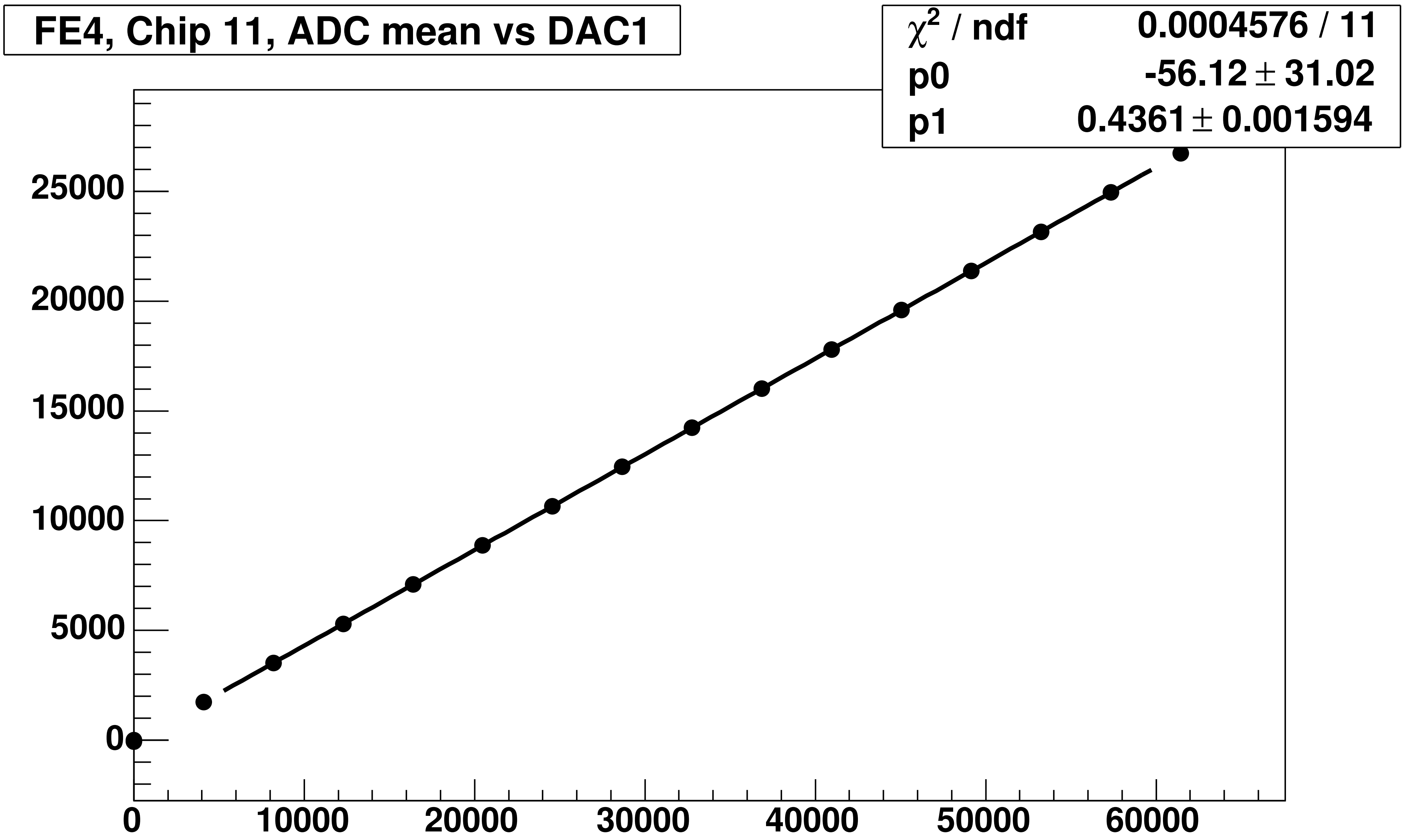
FE4, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



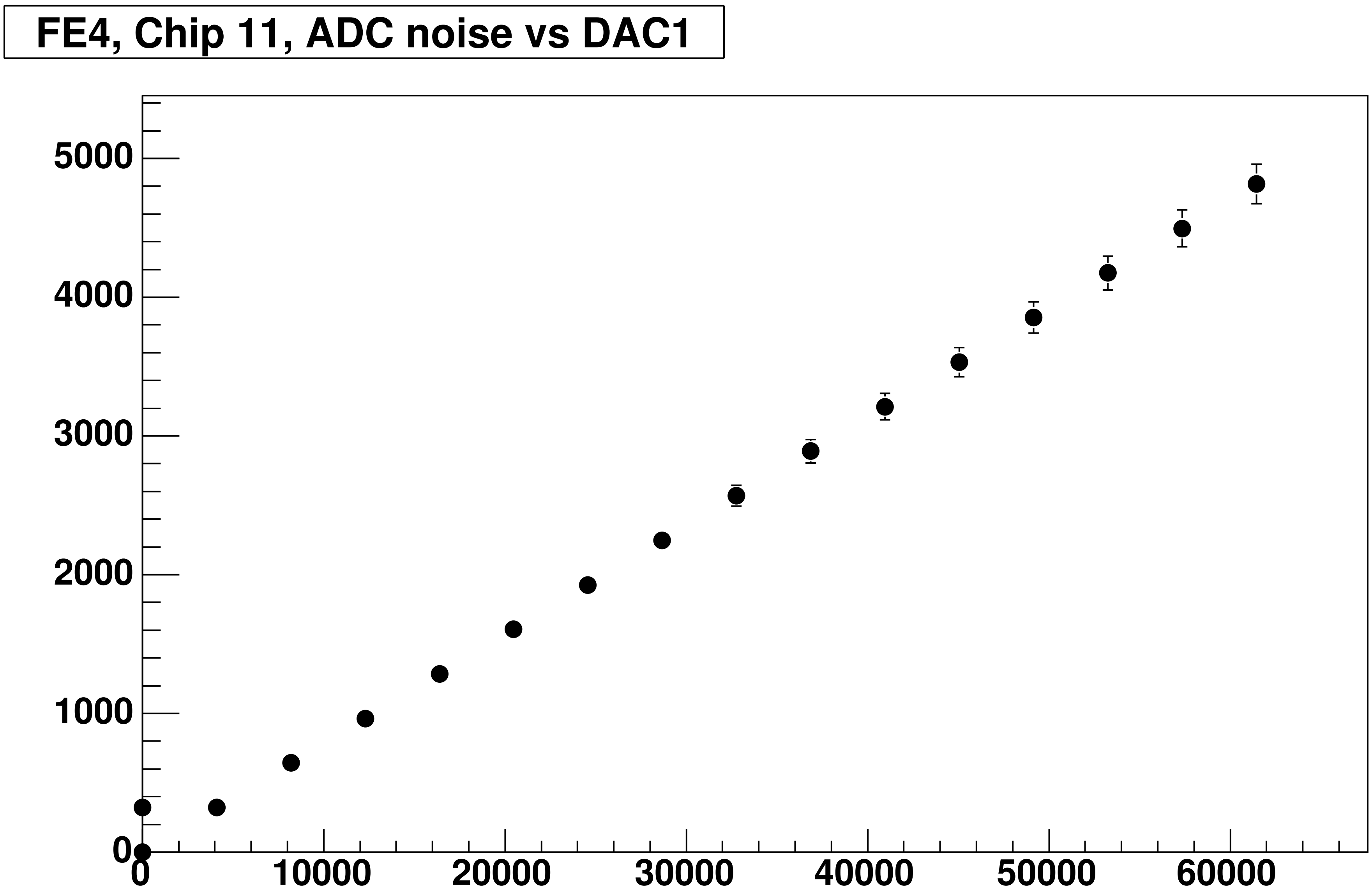
FE4, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1.168e-05 / 11
p0 0.5737 ± 41.88
p1 0.01407 ± 0.001887
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


FE4, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

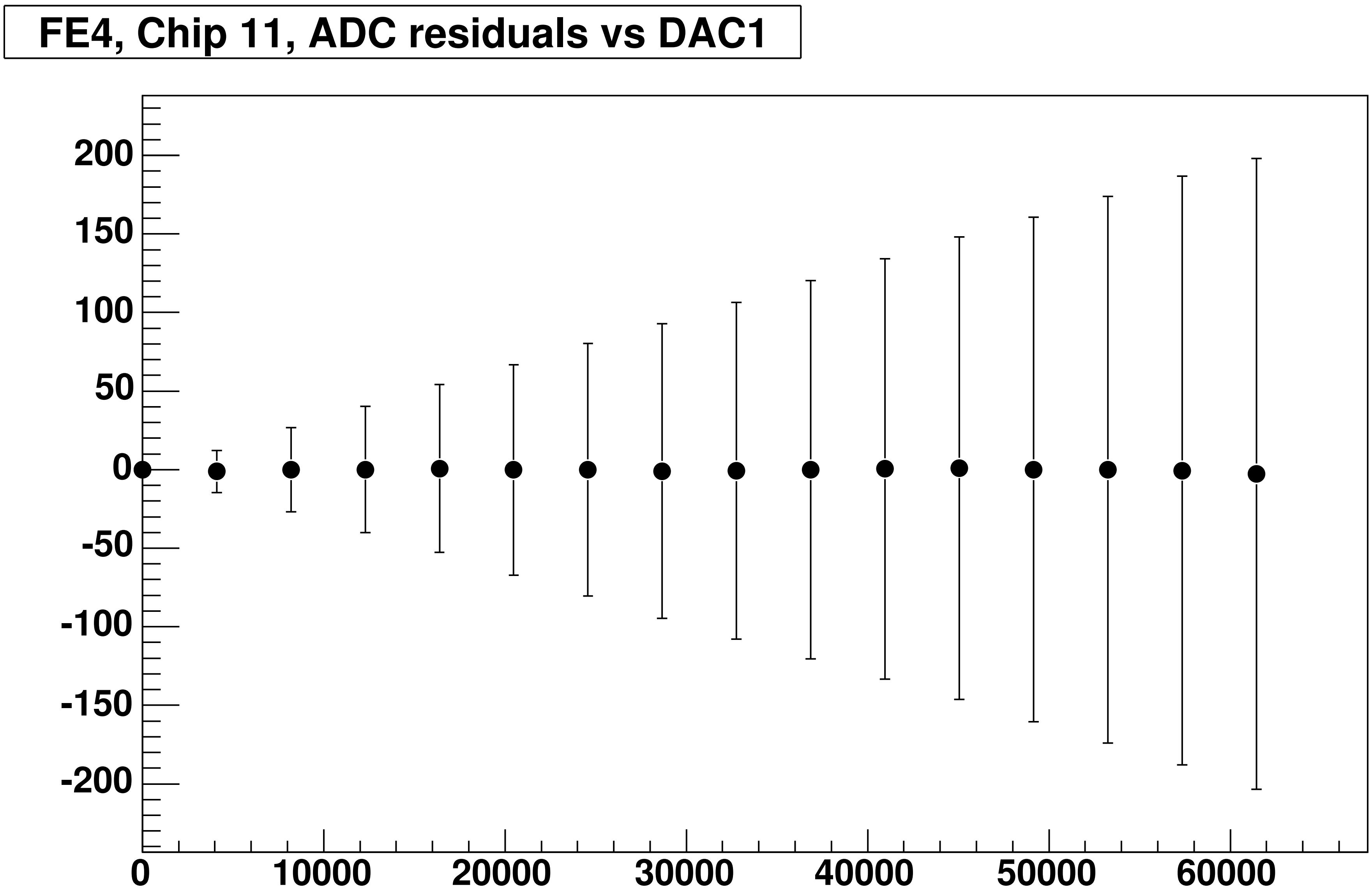

FE4, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



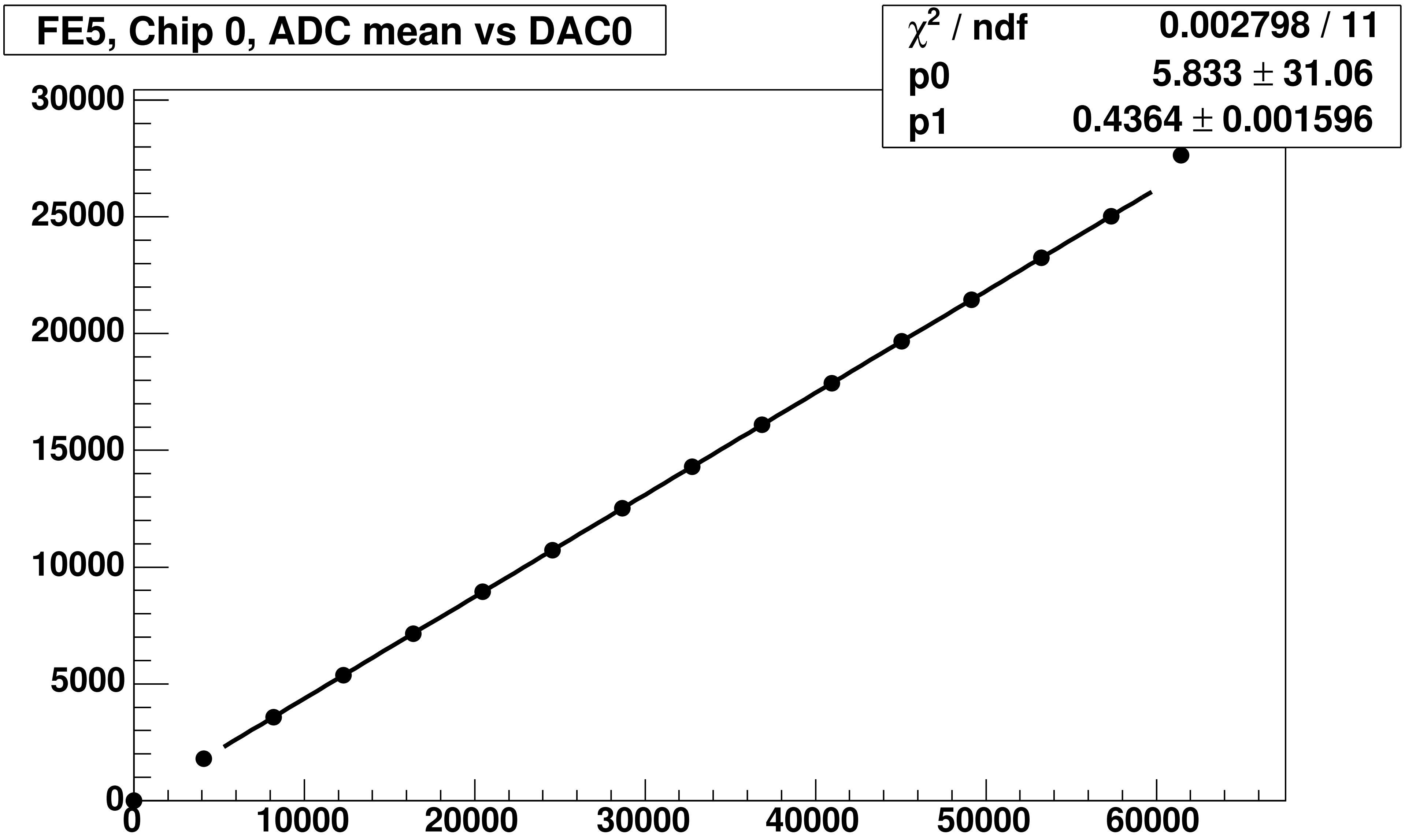
FE4, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0004576 / 11
p0 -56.12 ± 31.02
p1 0.4361 ± 0.001594
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



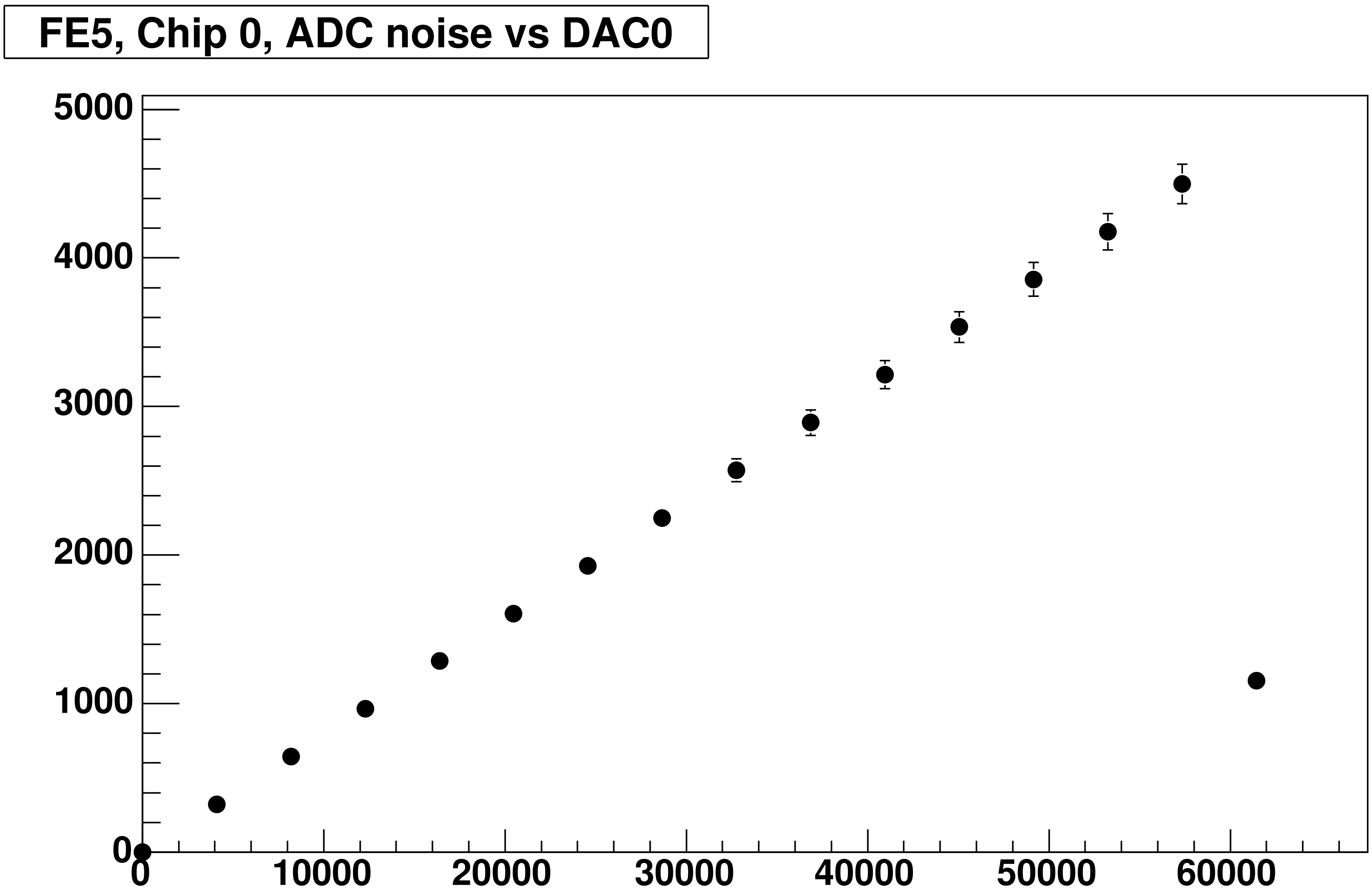
FE4, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

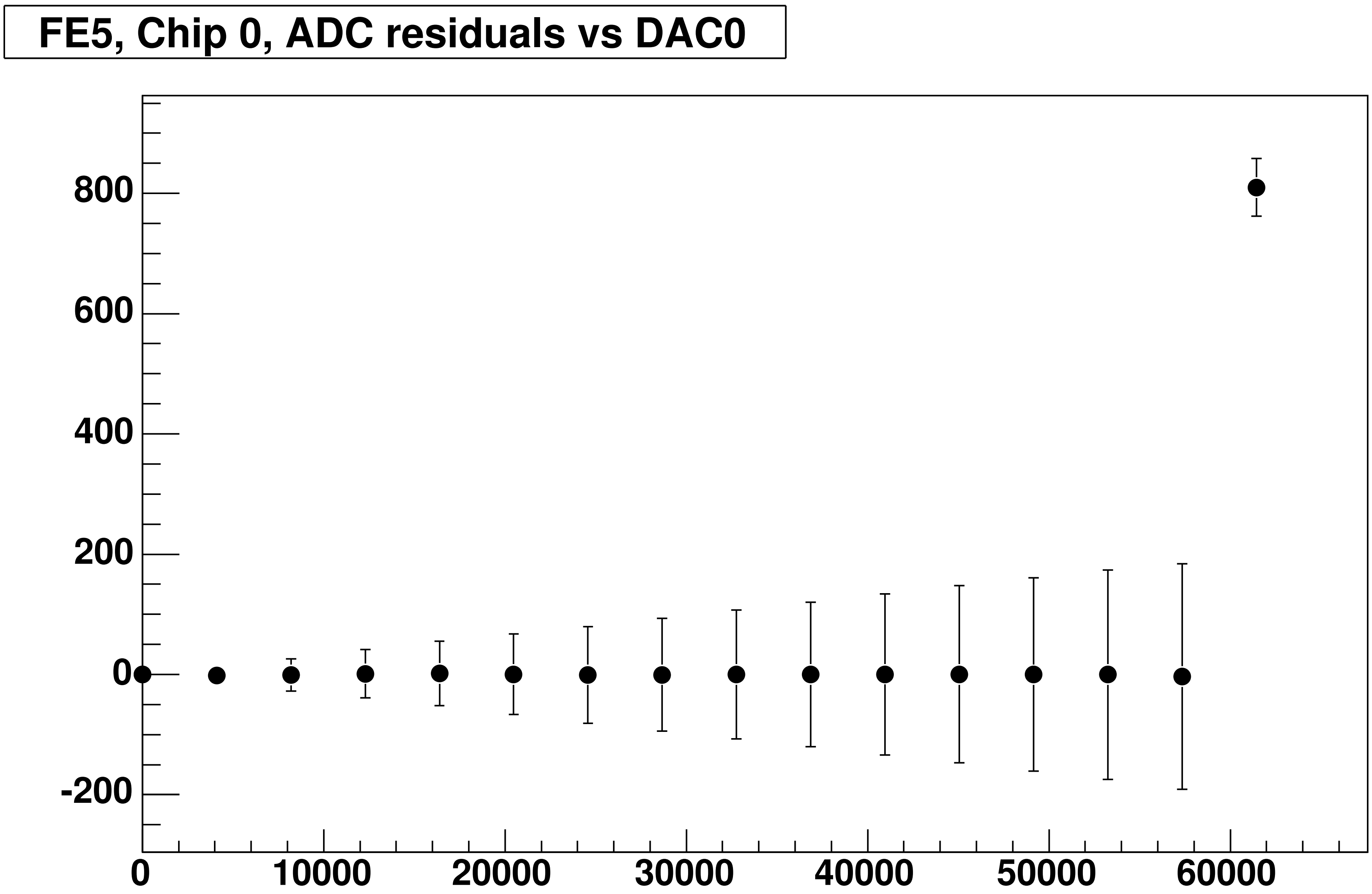


FE4, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

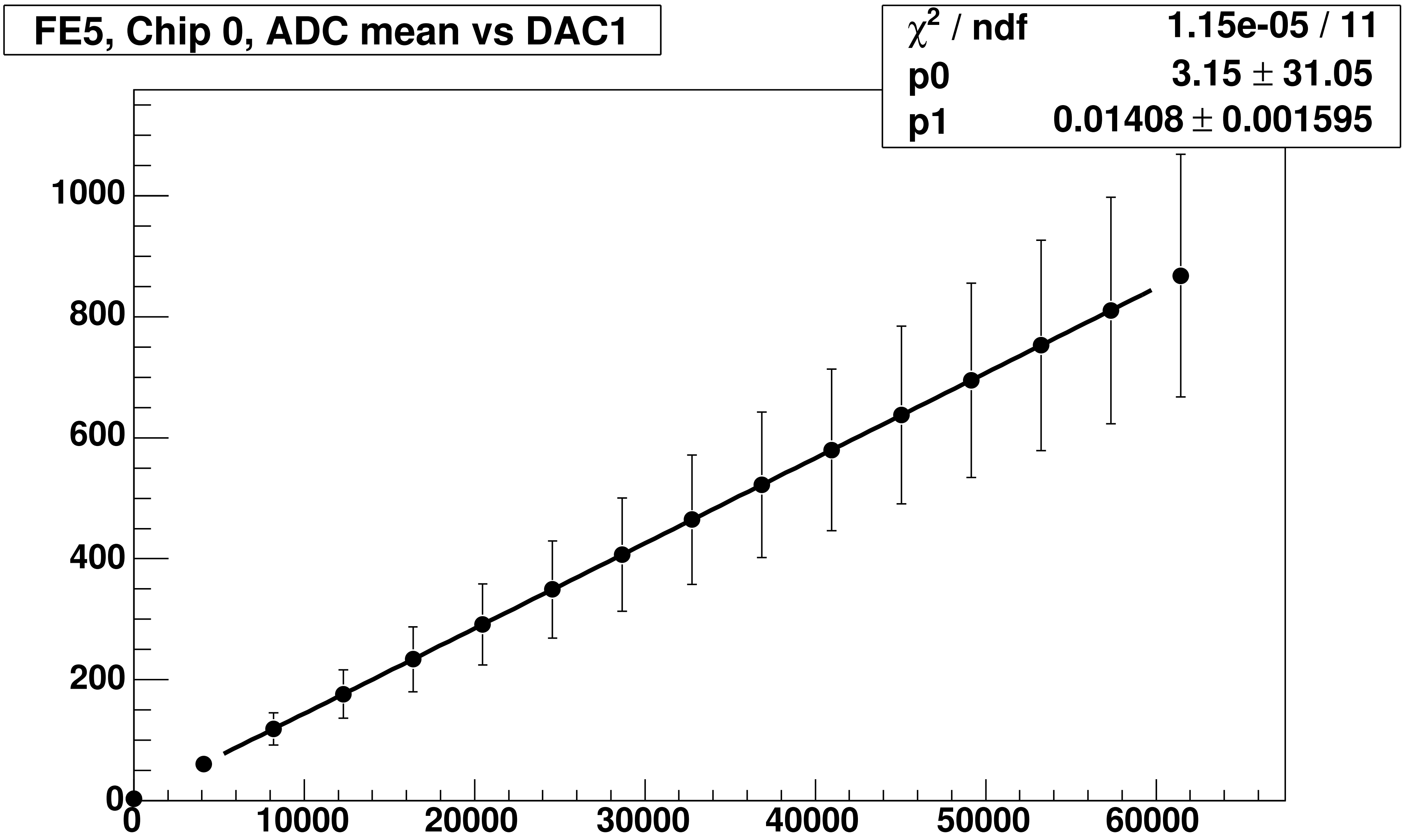


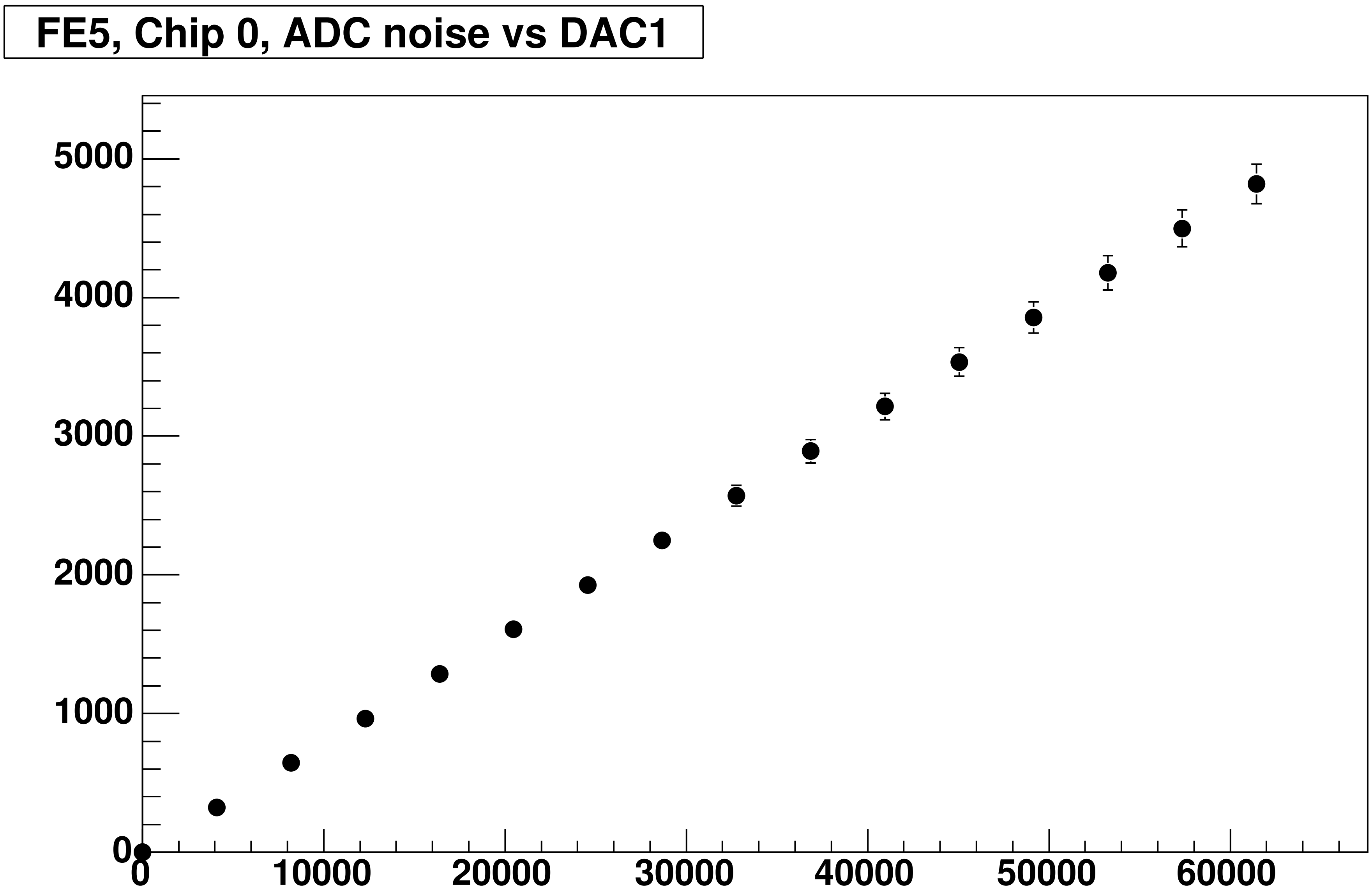
FE5, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.002798 / 11
p0 5.833 ± 31.06
p1 0.4364 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

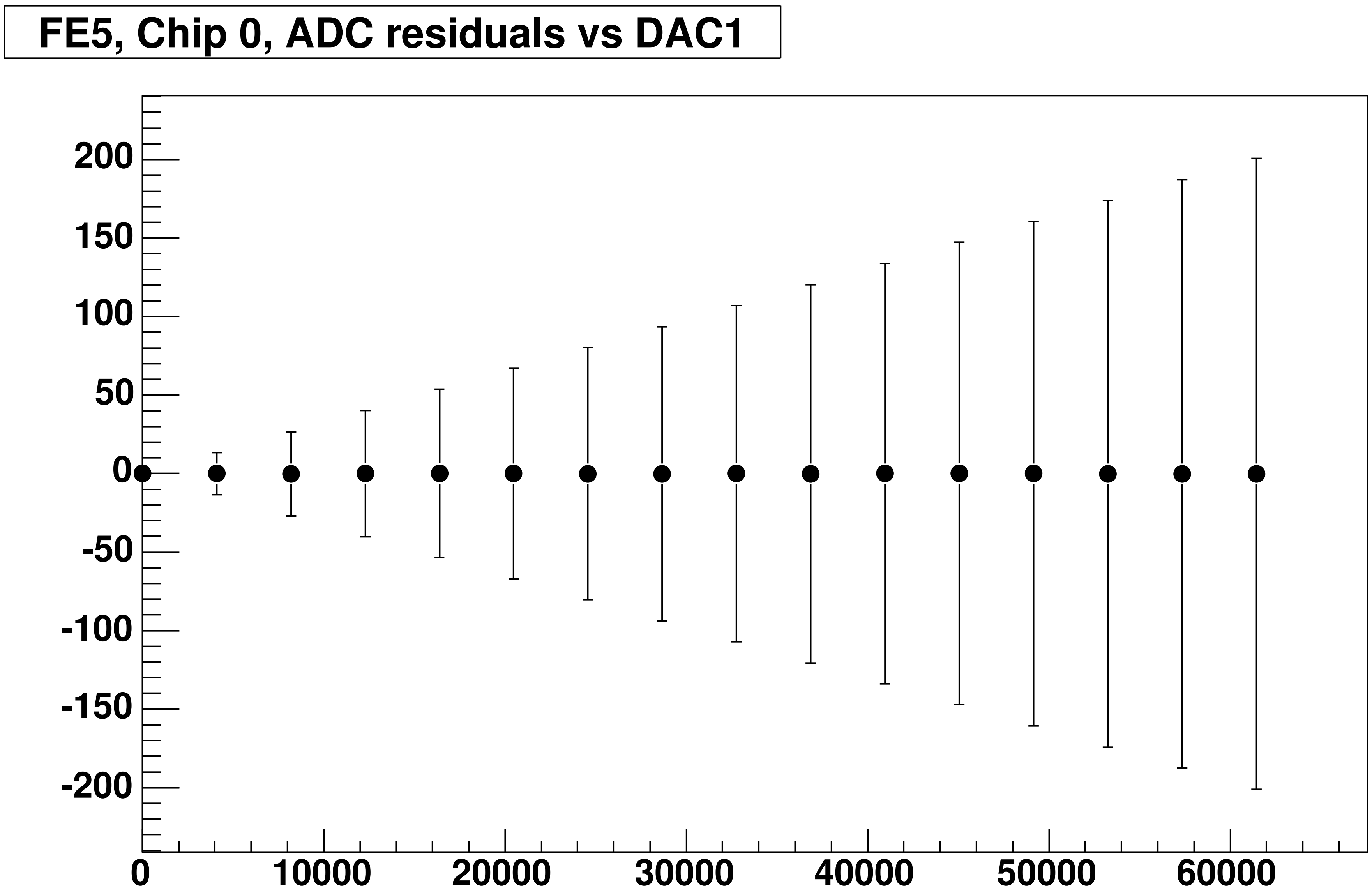

FE5, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

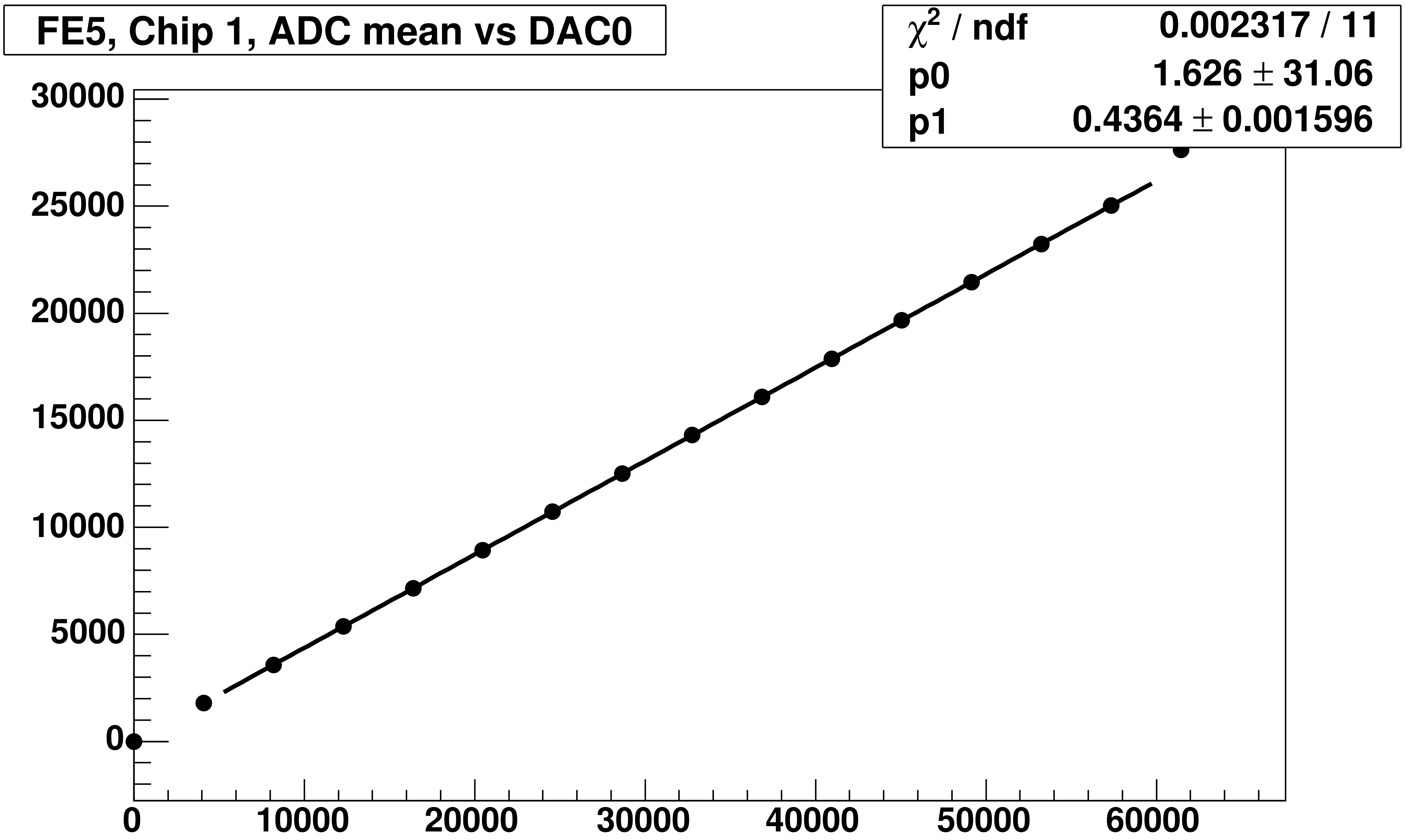


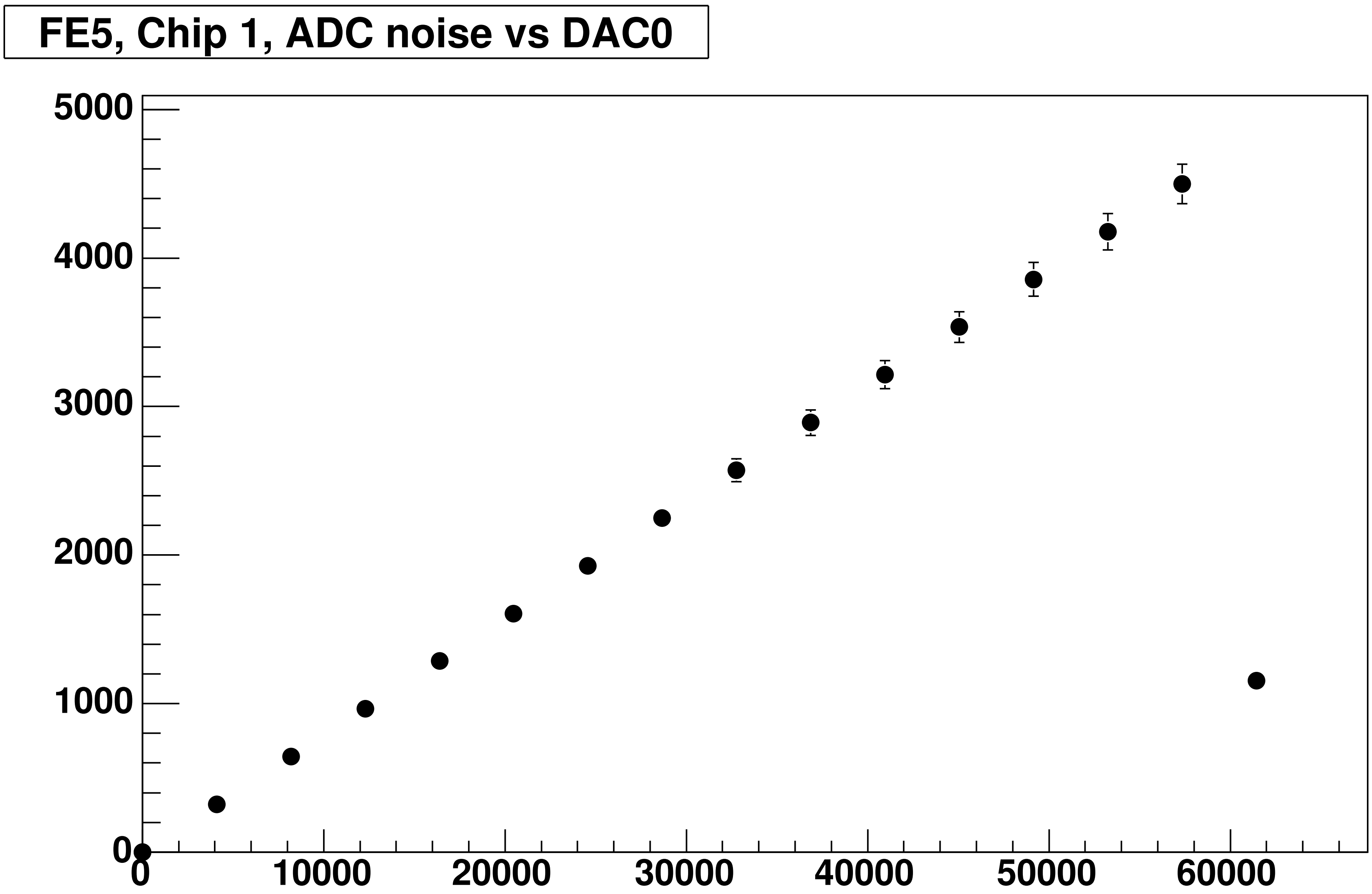
FE5, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

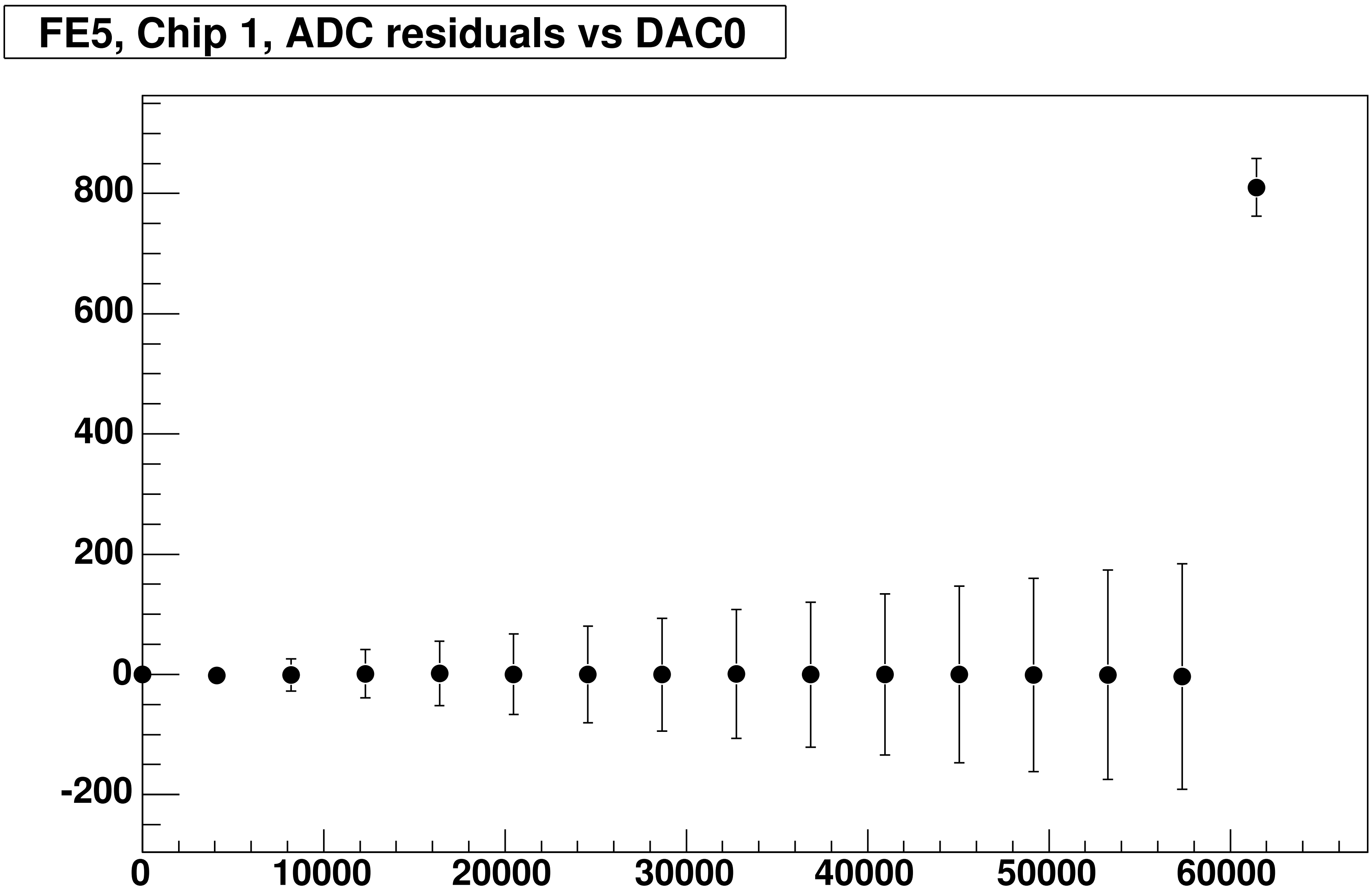

FE5, Chip 0, ADC mean vs DAC1
χ2 / ndf 1.15e-05 / 11
p0 3.15 ± 31.05
p1 0.01408 ± 0.001595
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

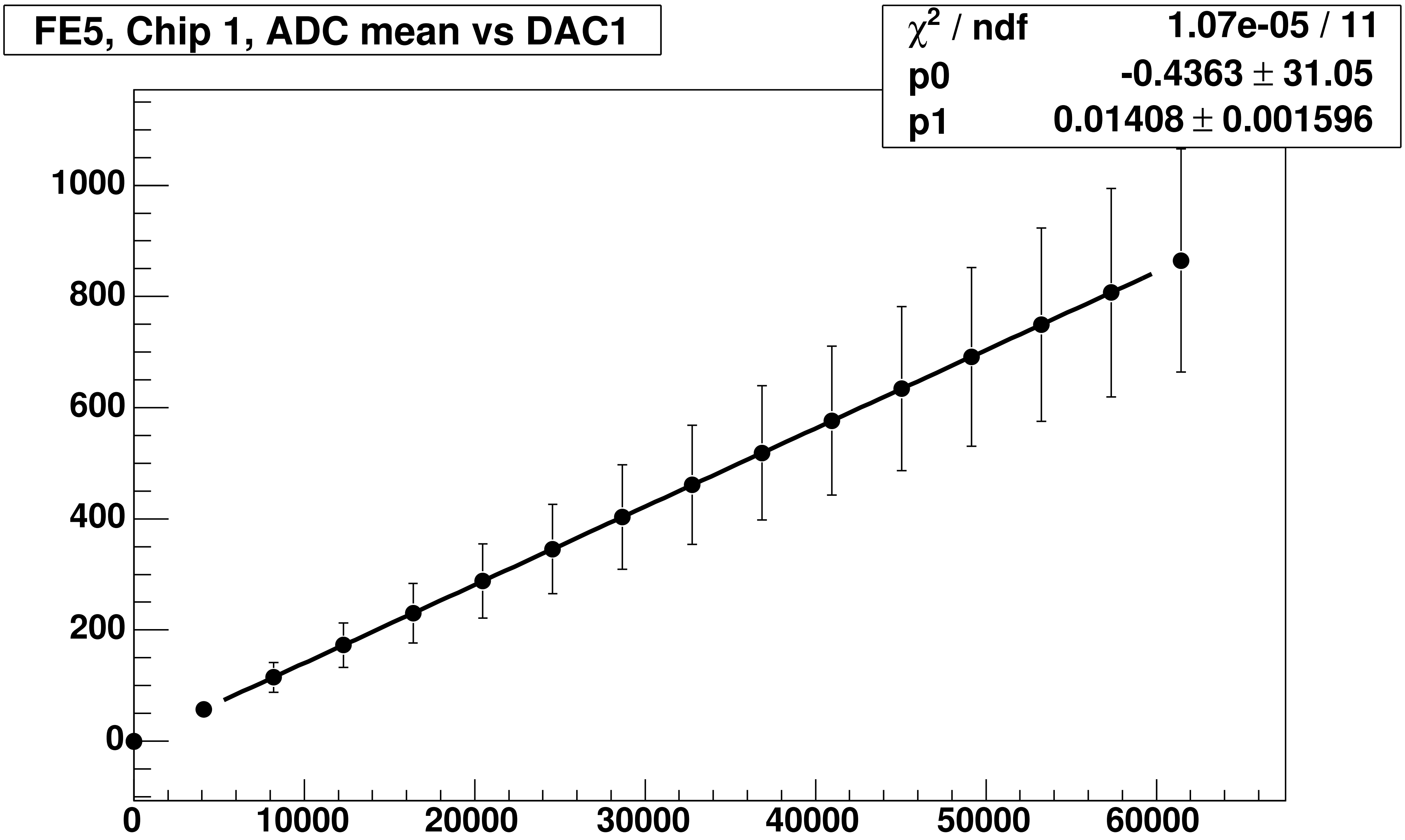

FE5, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

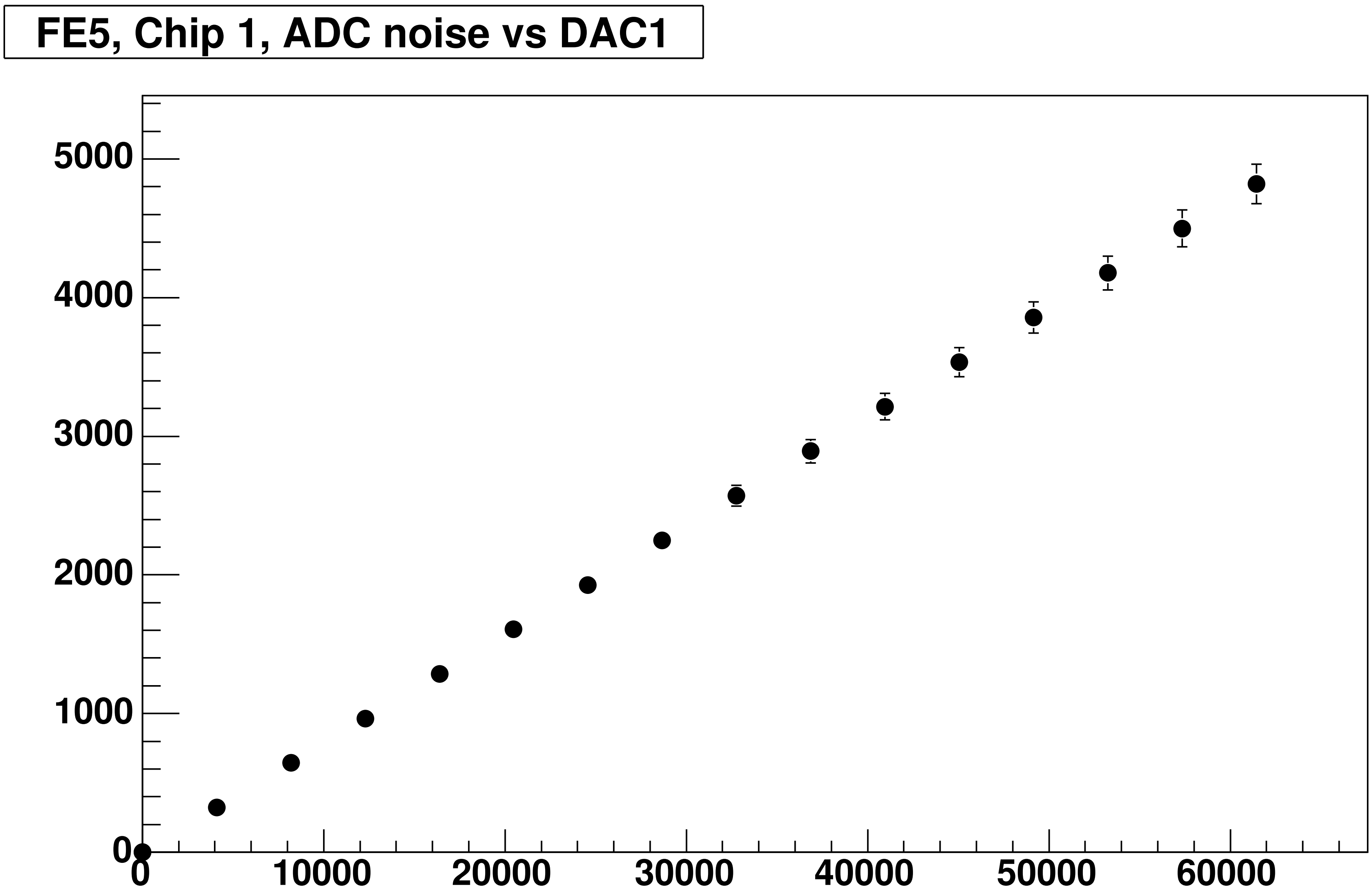

FE5, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.002317 / 11
p0 1.626 ± 31.06
p1 0.4364 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

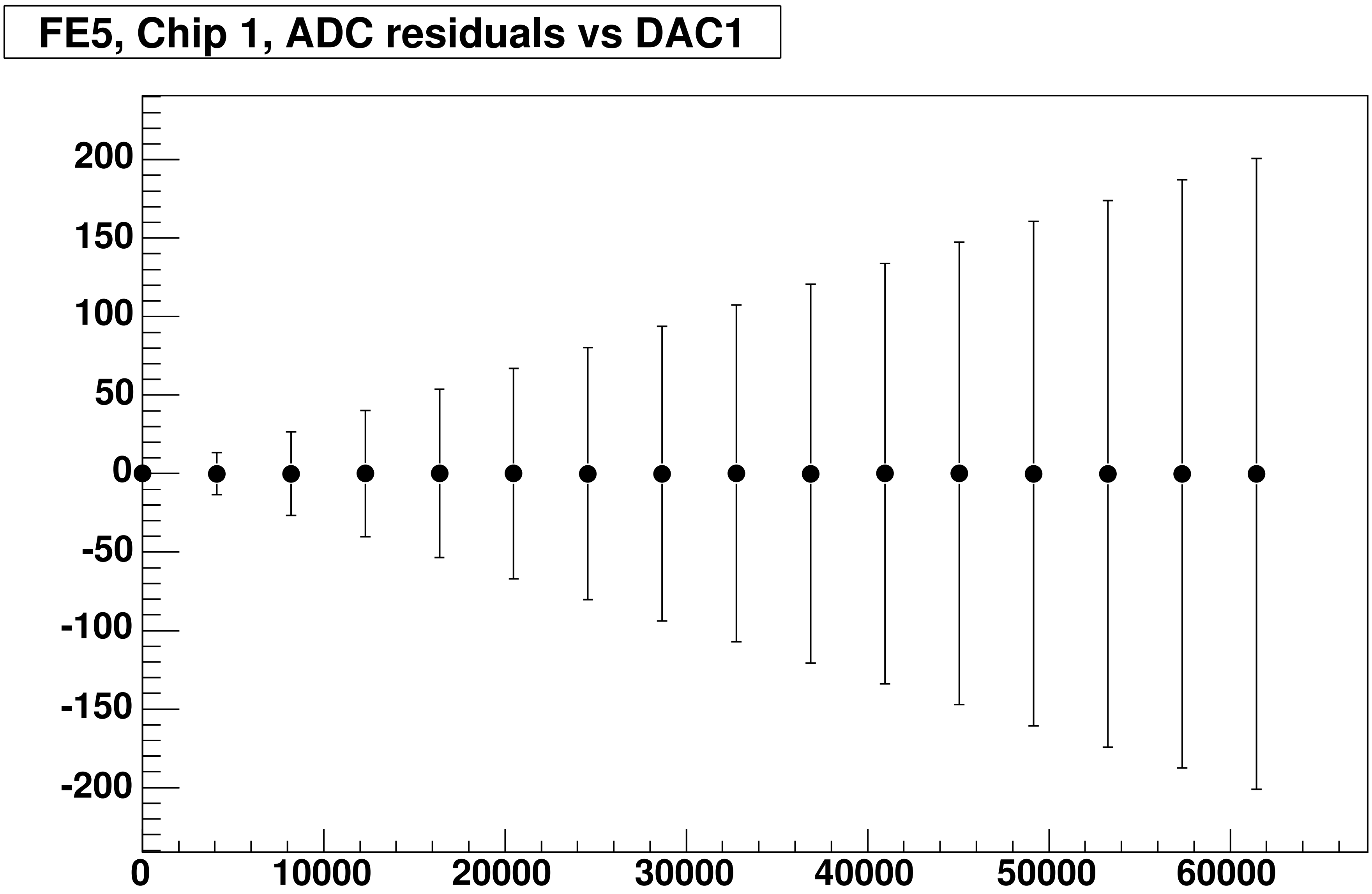

FE5, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

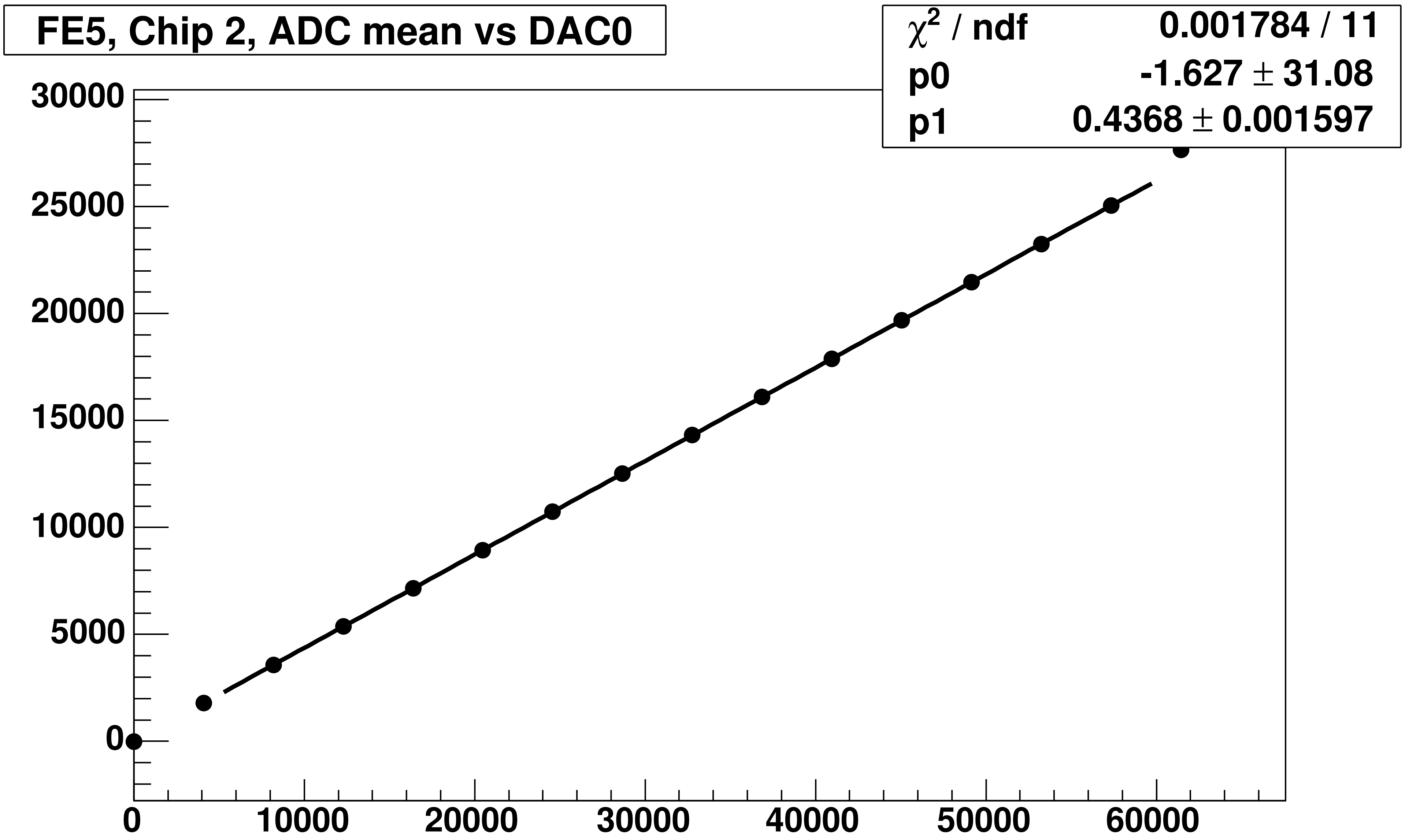

FE5, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

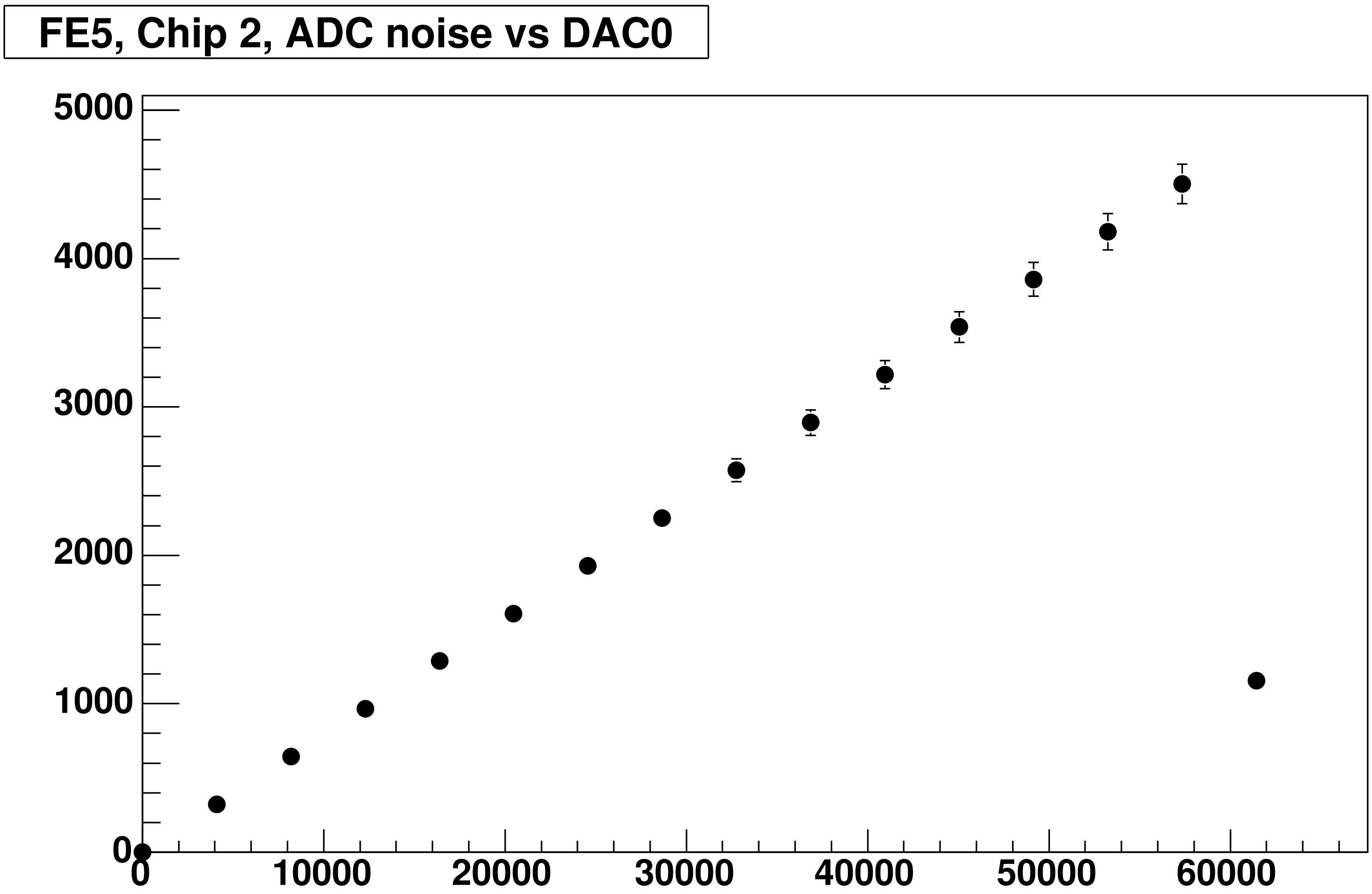


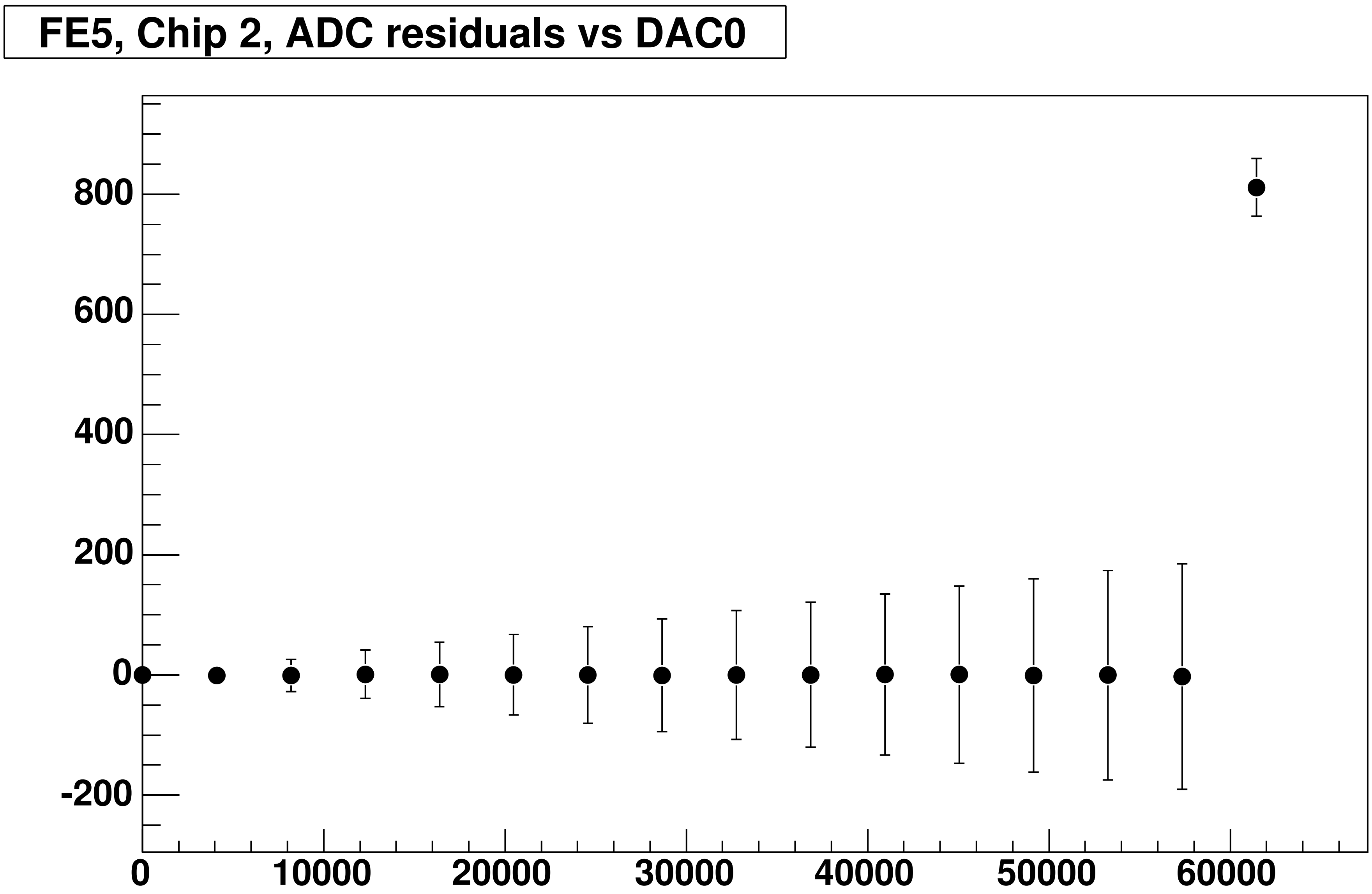
FE5, Chip 1, ADC mean vs DAC1
χ^2 / ndf 1.07e-05 / 11
p0 -0.4363 ± 31.05
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

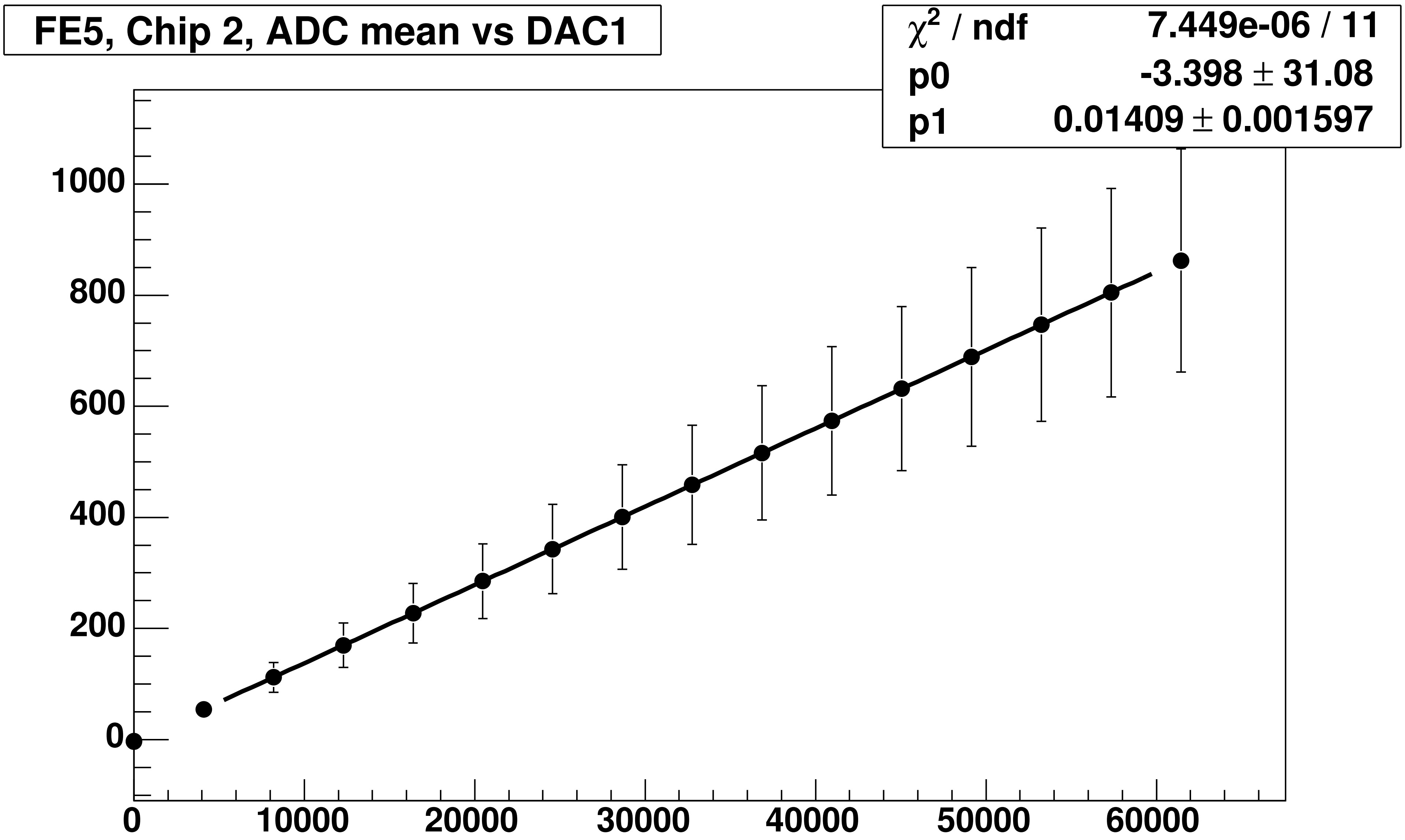

FE5, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

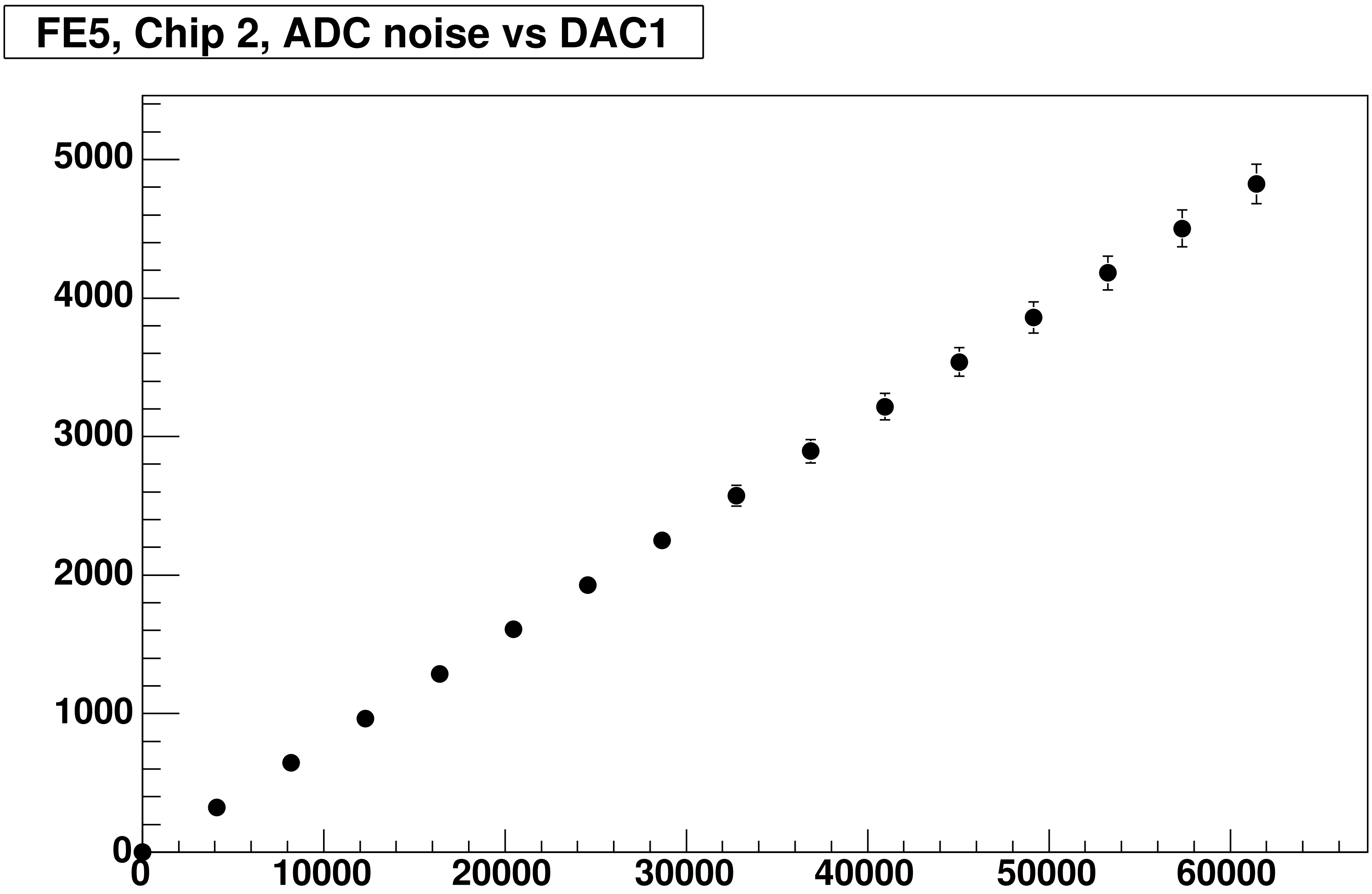

FE5, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001784 / 11
p0 -1.627 ± 31.08
p1 0.4368 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

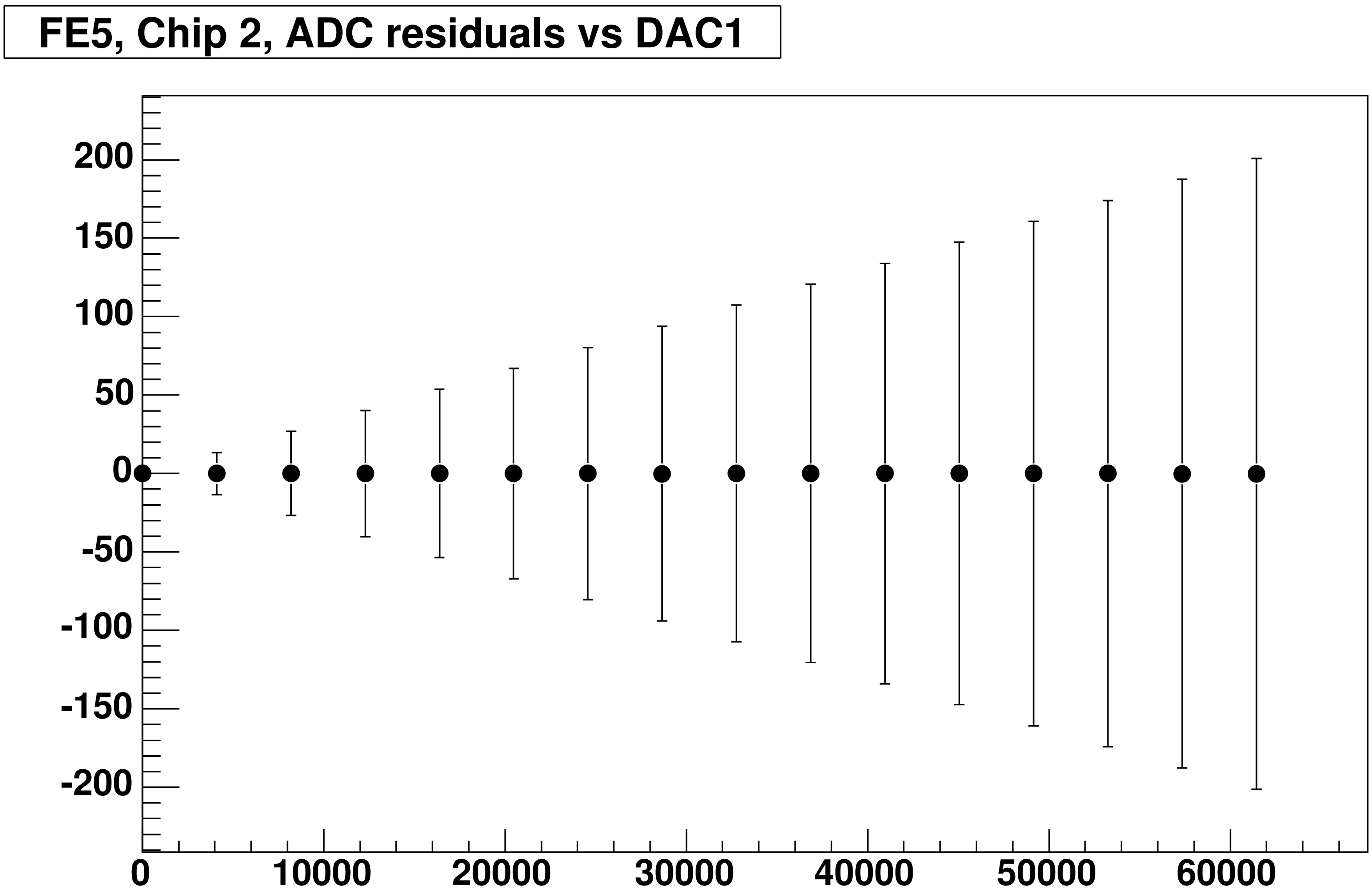

FE5, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

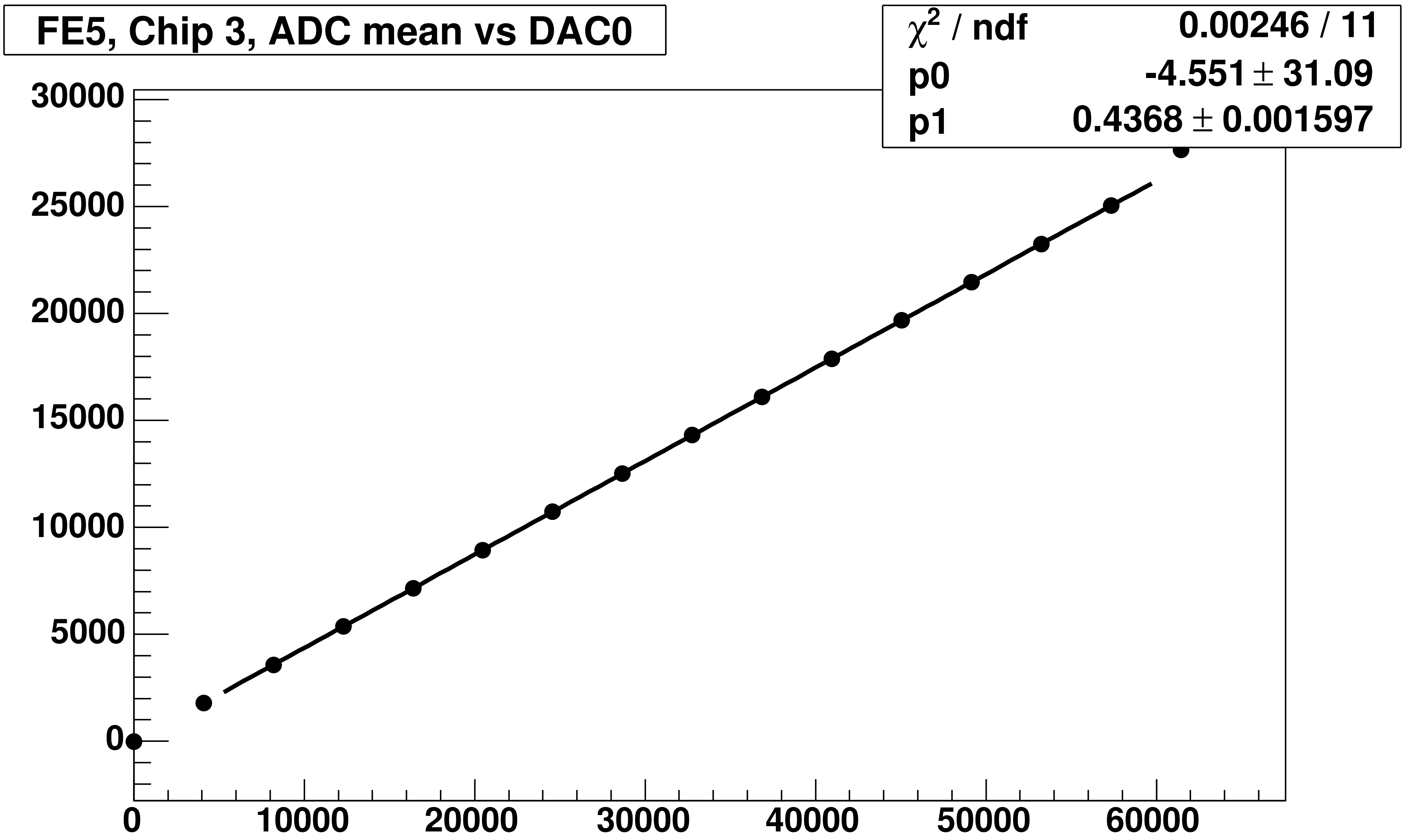


FE5, Chip 2, ADC mean vs DAC1
χ² / ndf 7.449e-06 / 11
p0 -3.398 ± 31.08
p1 0.01409 ± 0.001597
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

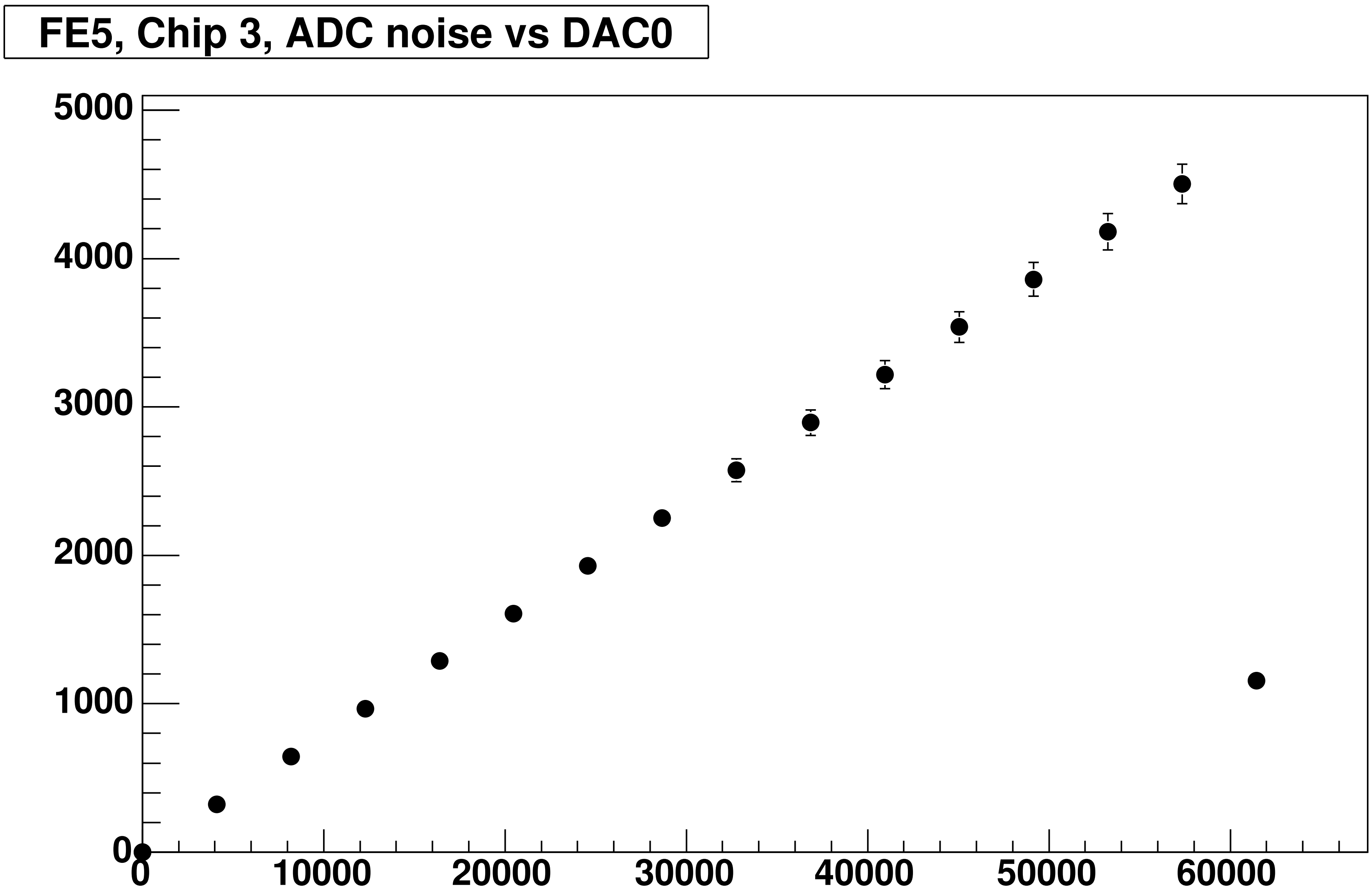


FE5, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

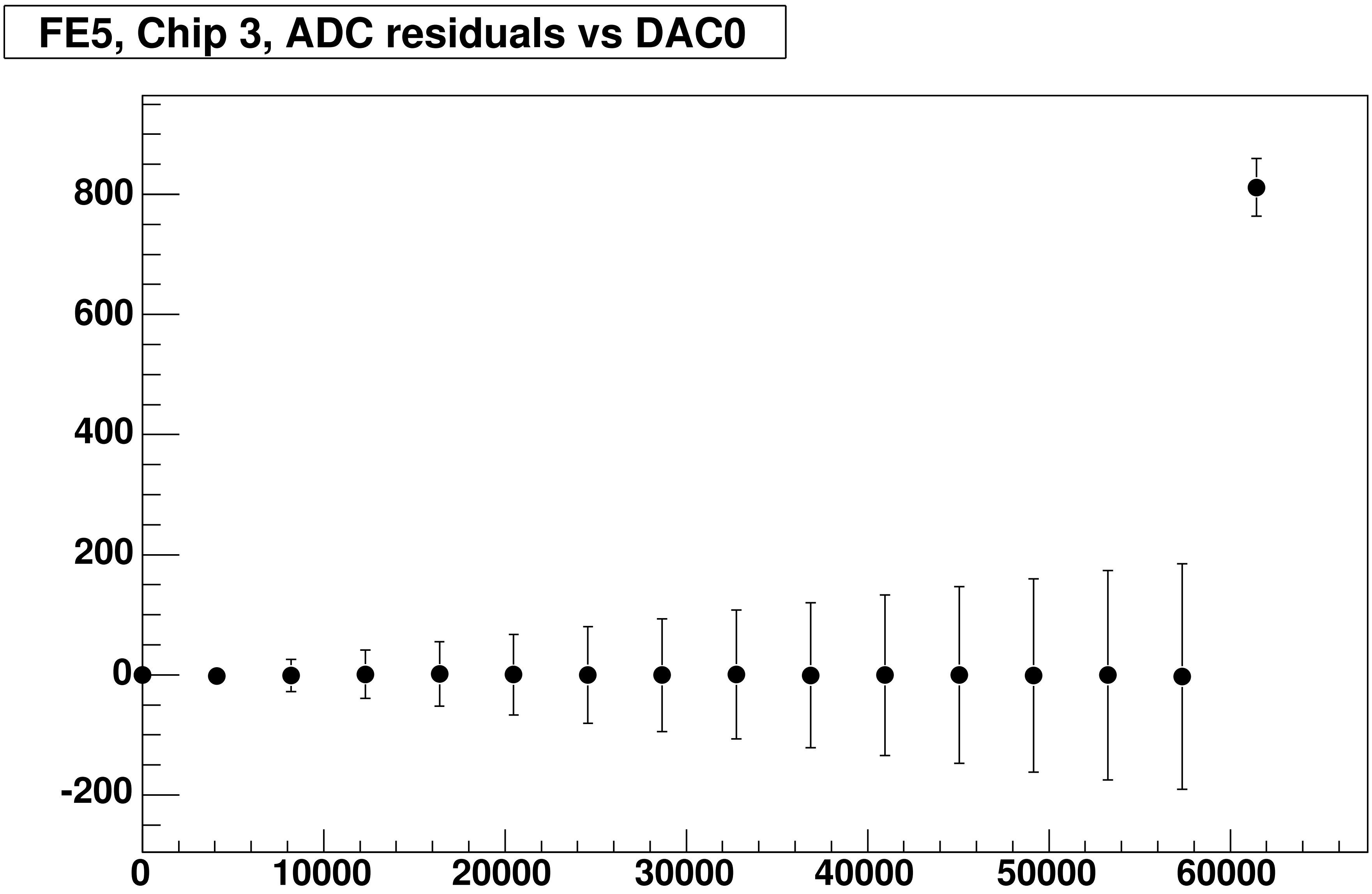

FE5, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



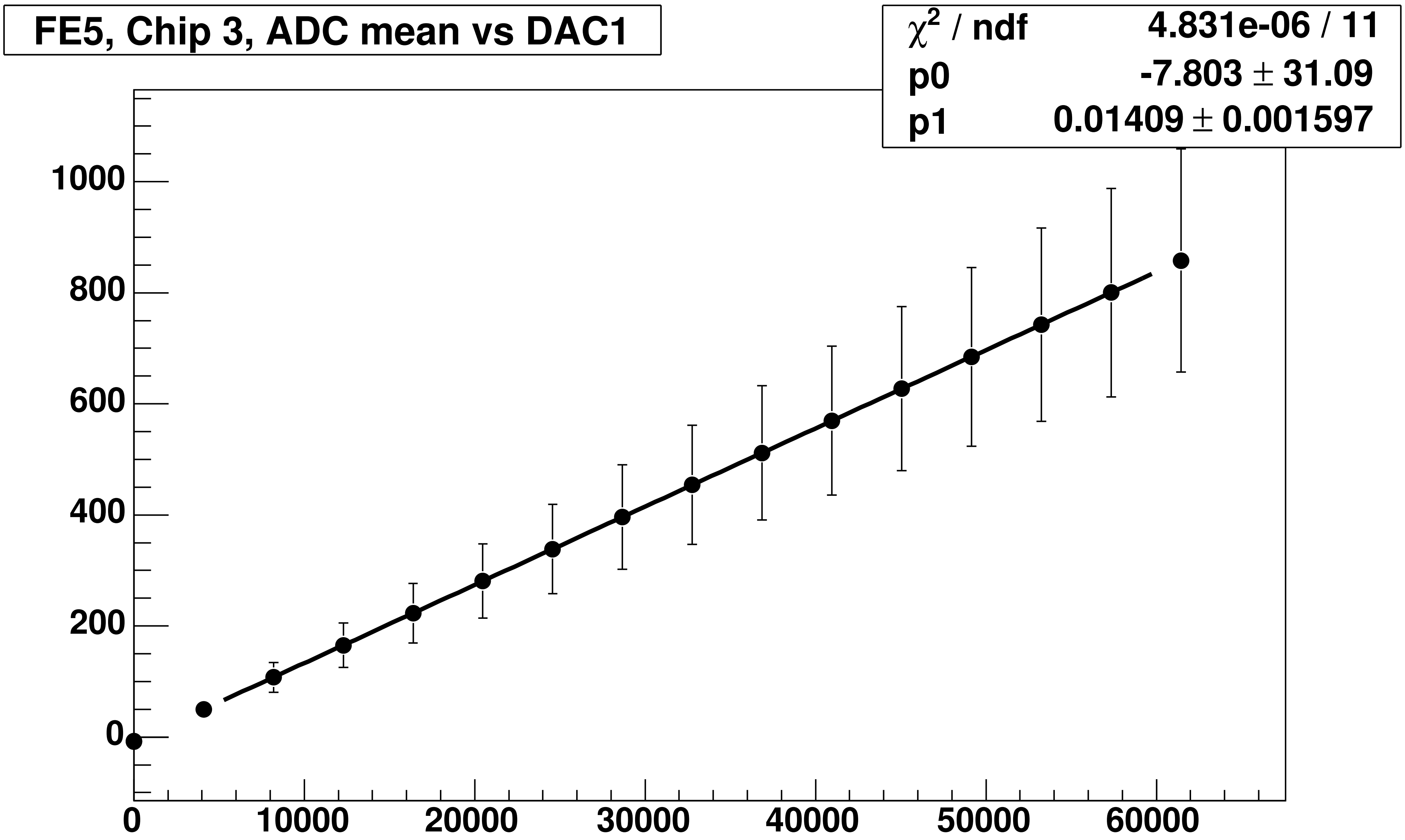
FE5, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.00246 / 11
p0 -4.551 ± 31.09
p1 0.4368 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



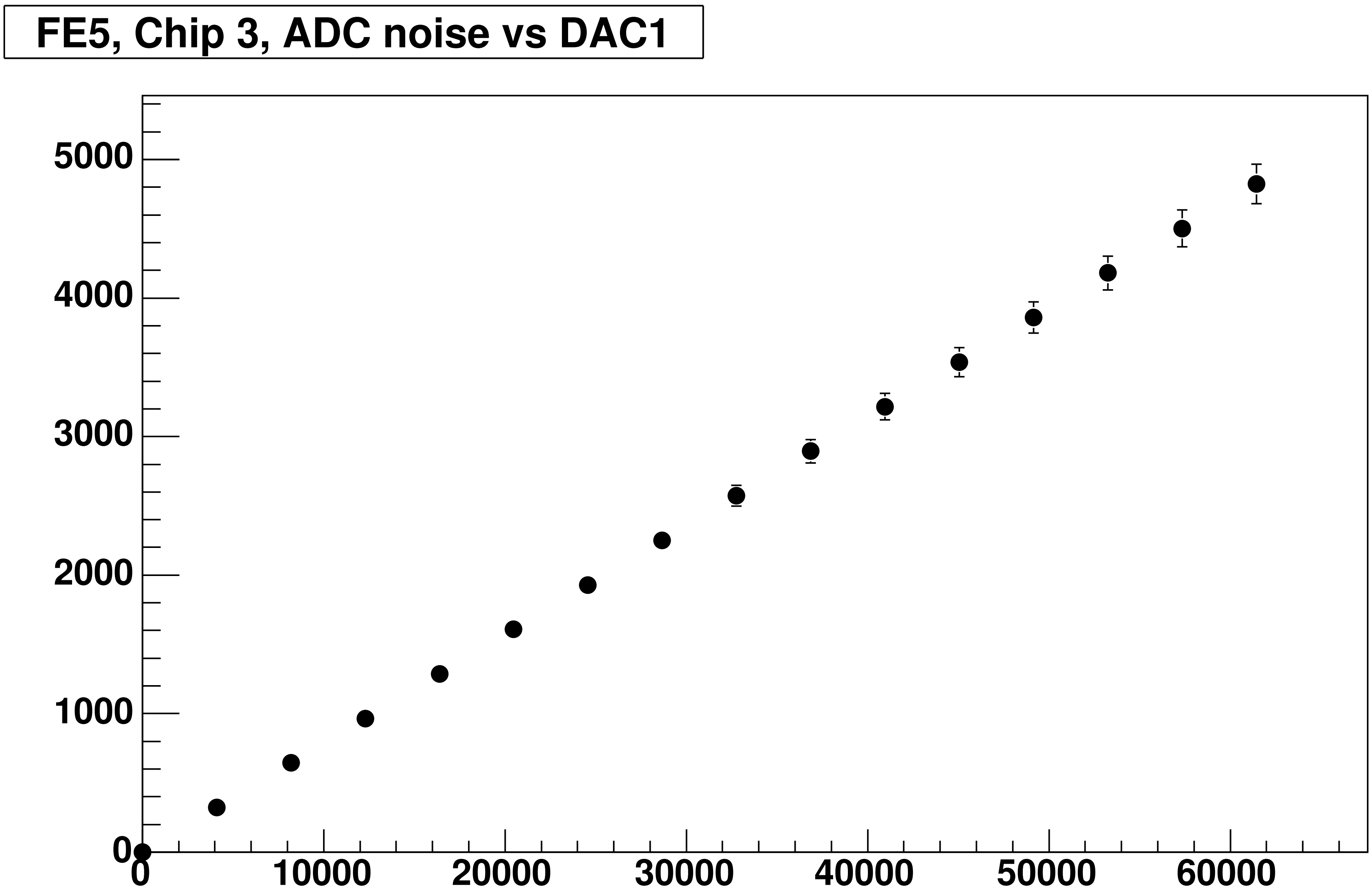
FE5, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

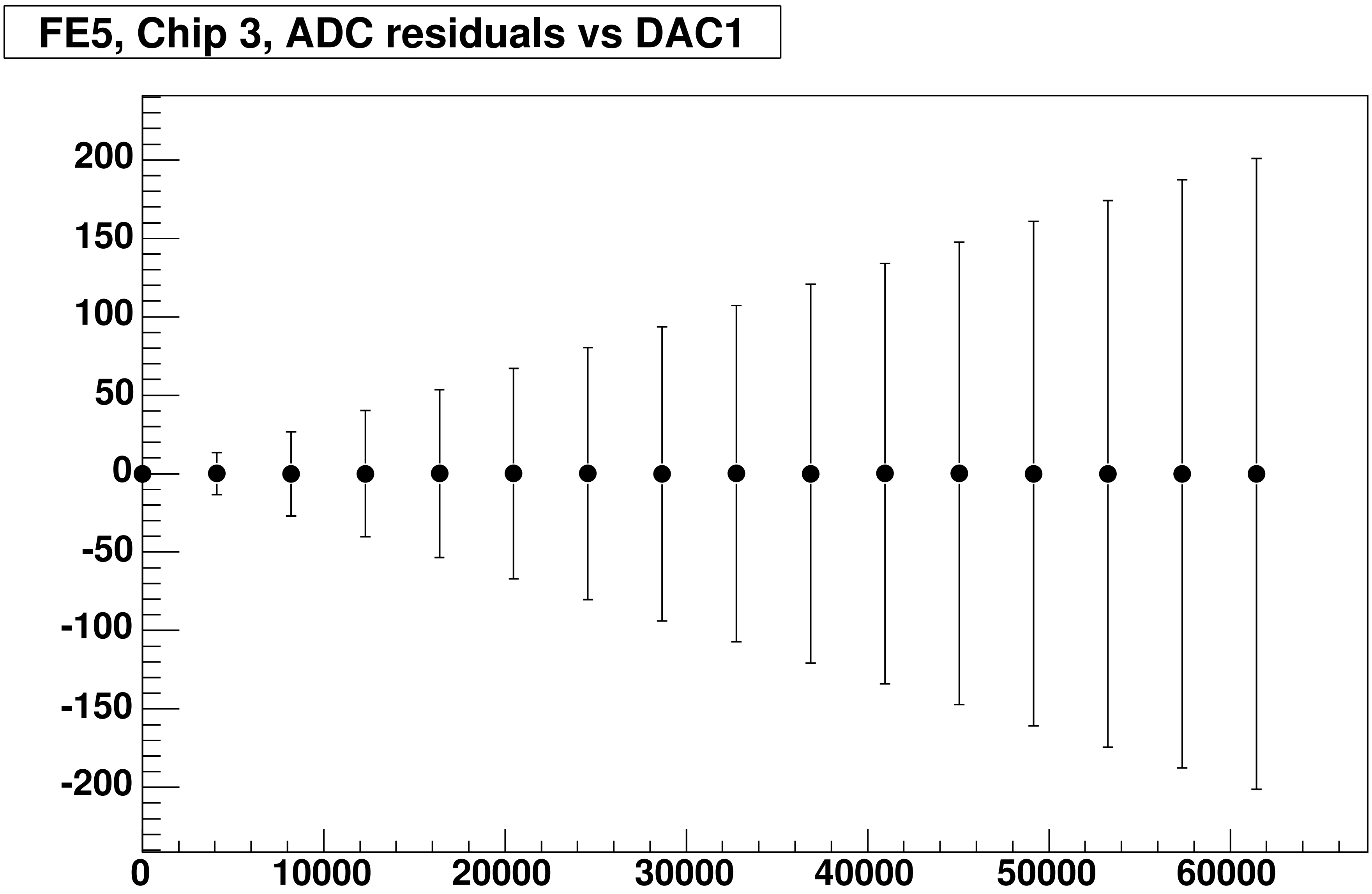


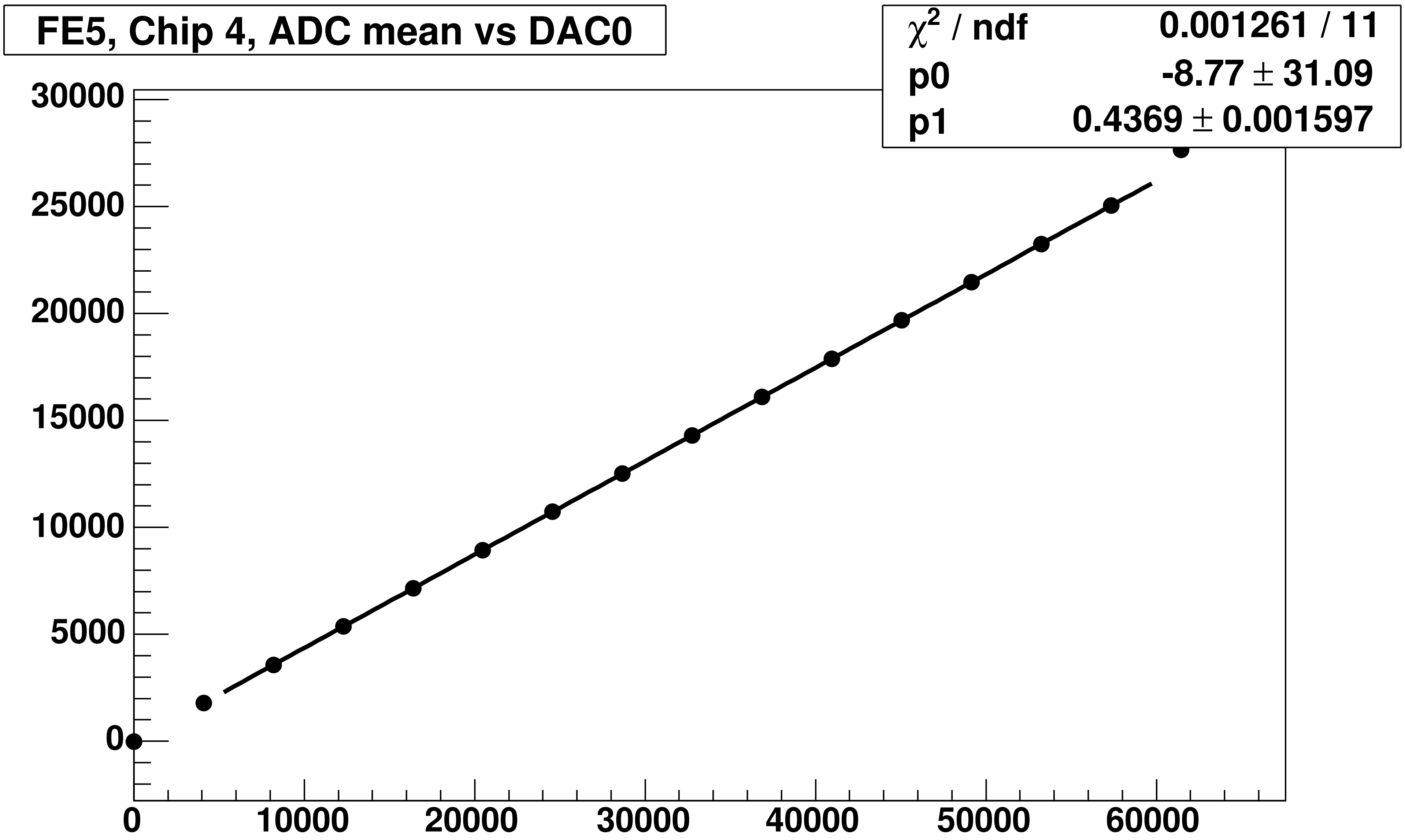
FE5, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

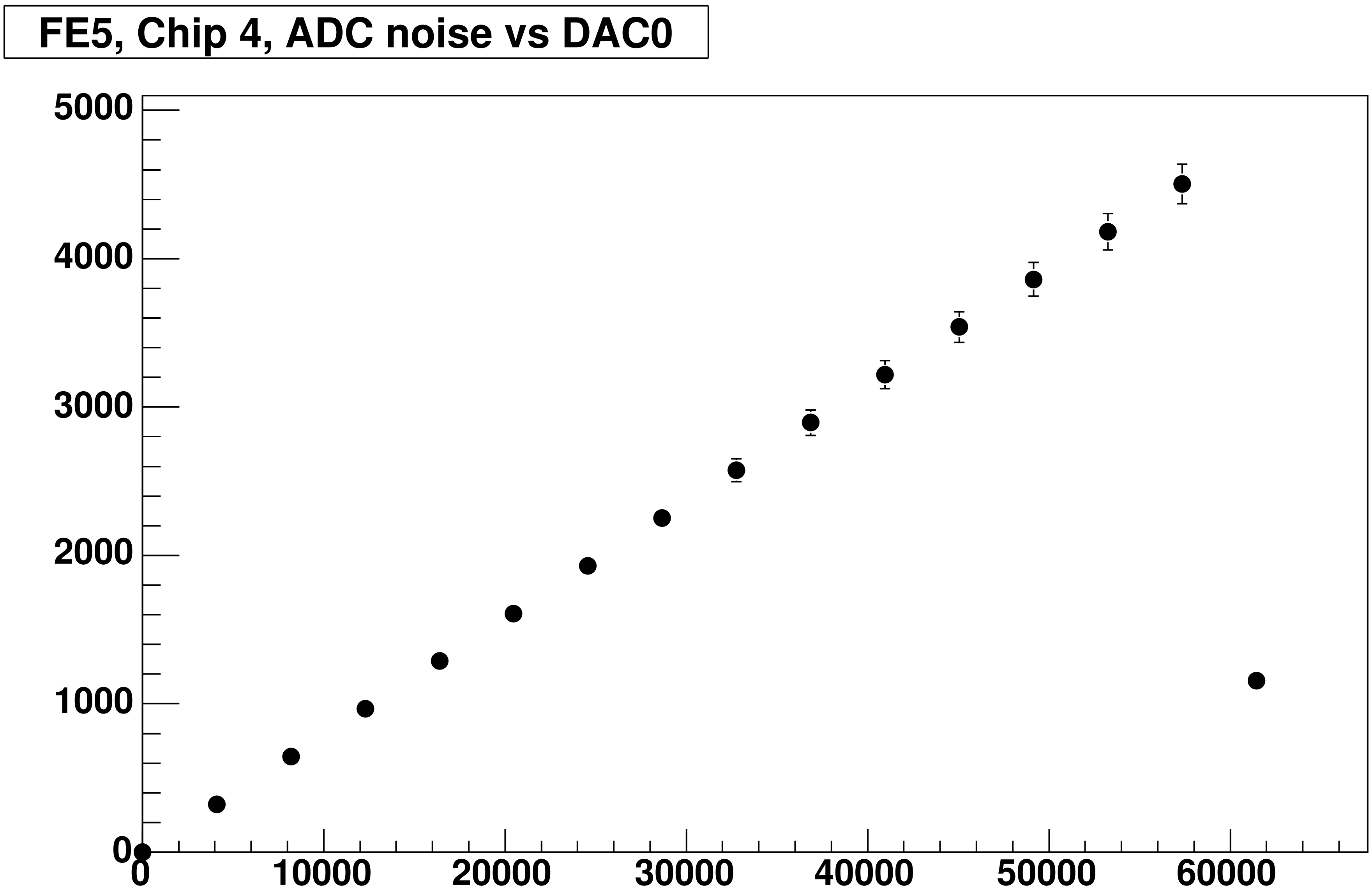


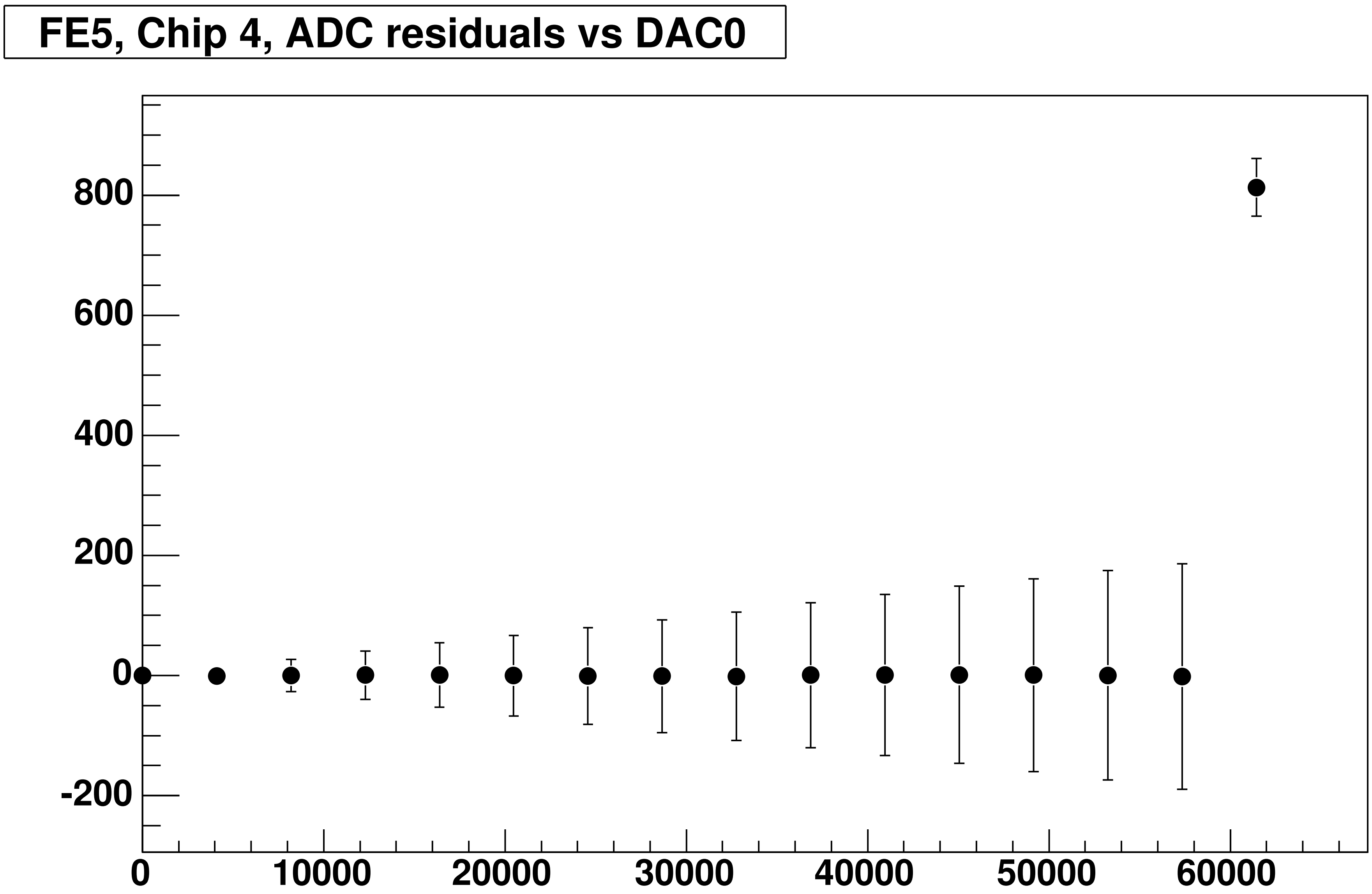
FE5, Chip 3, ADC mean vs DAC1
χ^2 / ndf 4.831e-06 / 11
p0 -7.803 ± 31.09
p1 0.01409 ± 0.001597
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

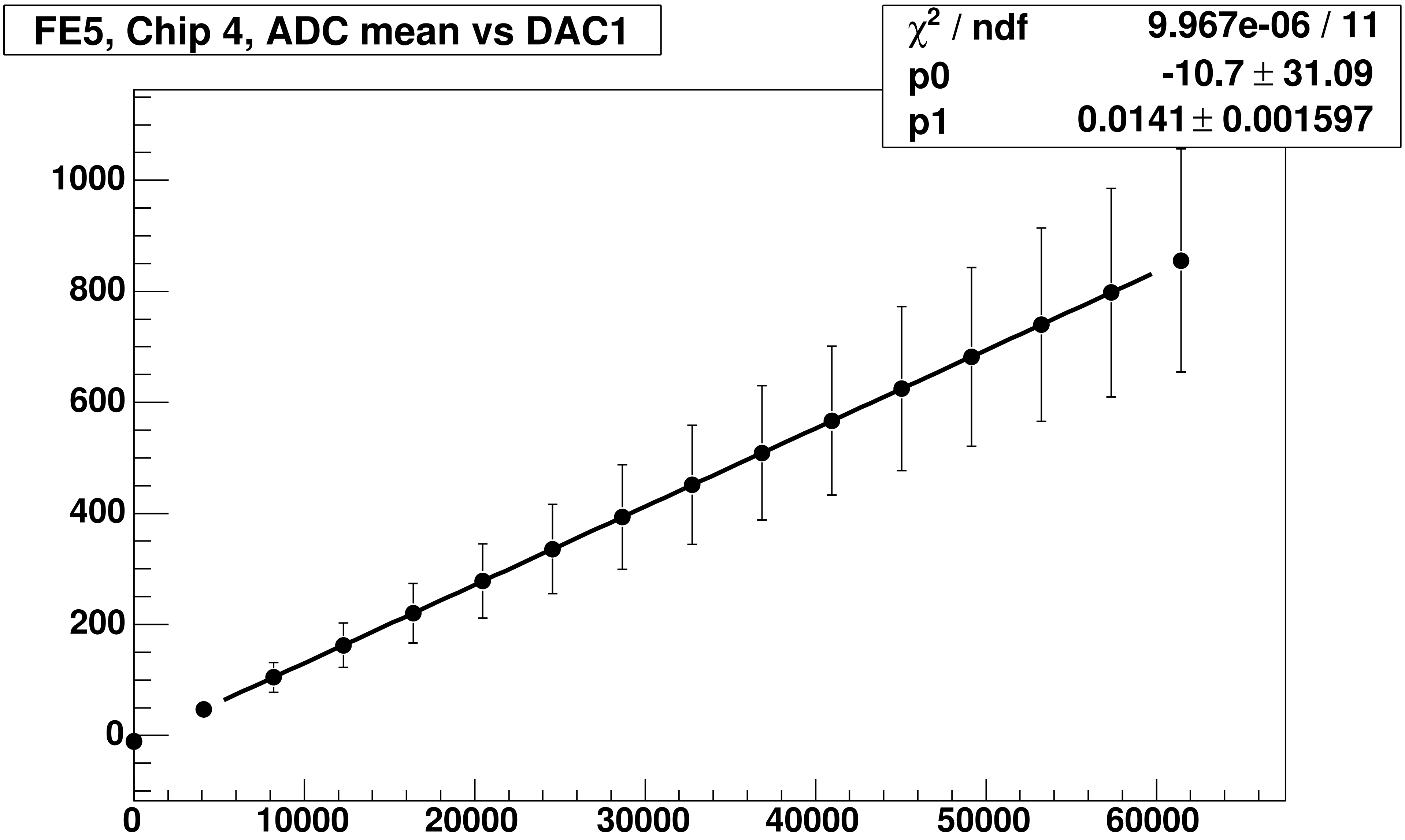

FE5, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

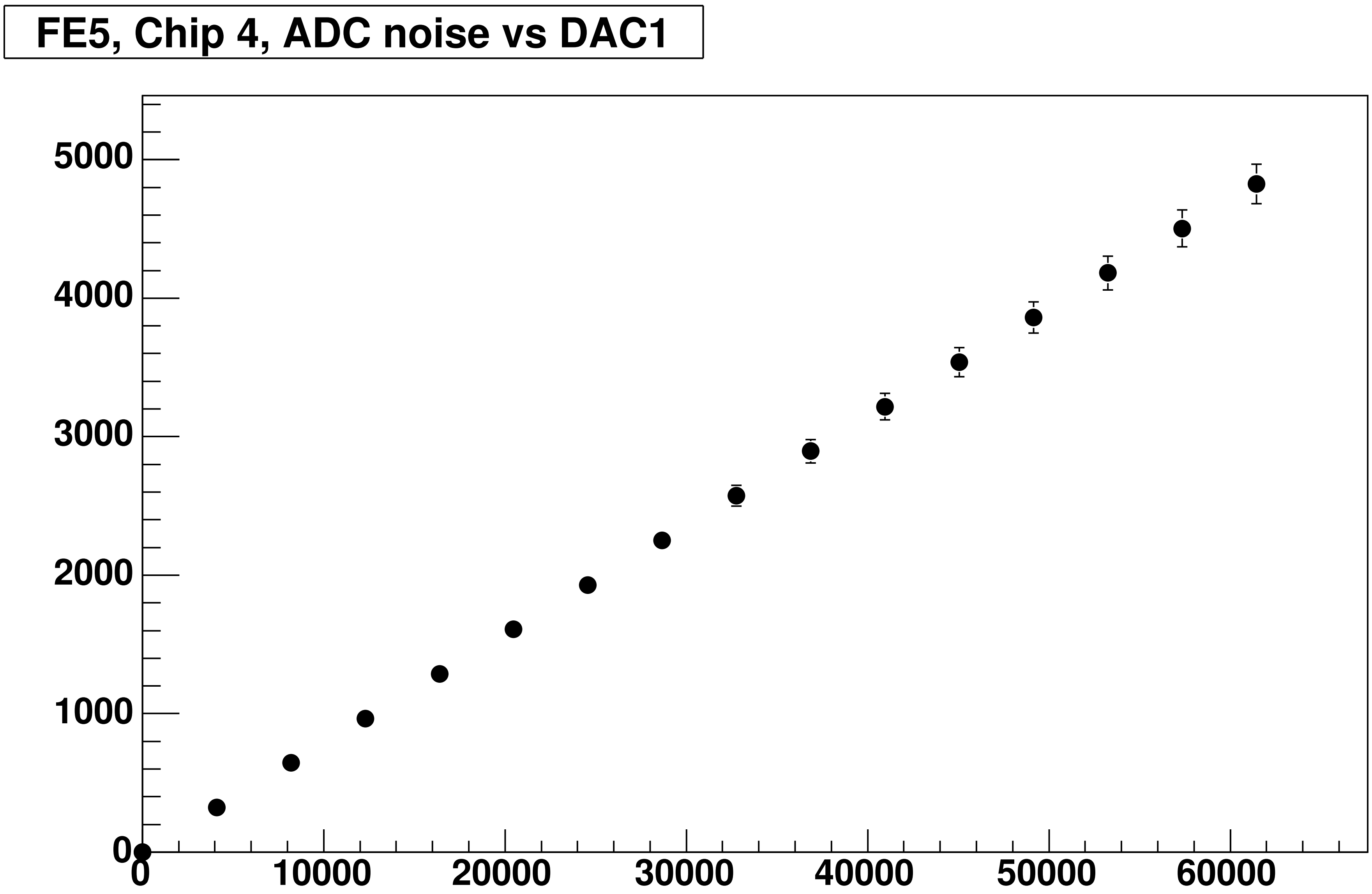

FE5, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

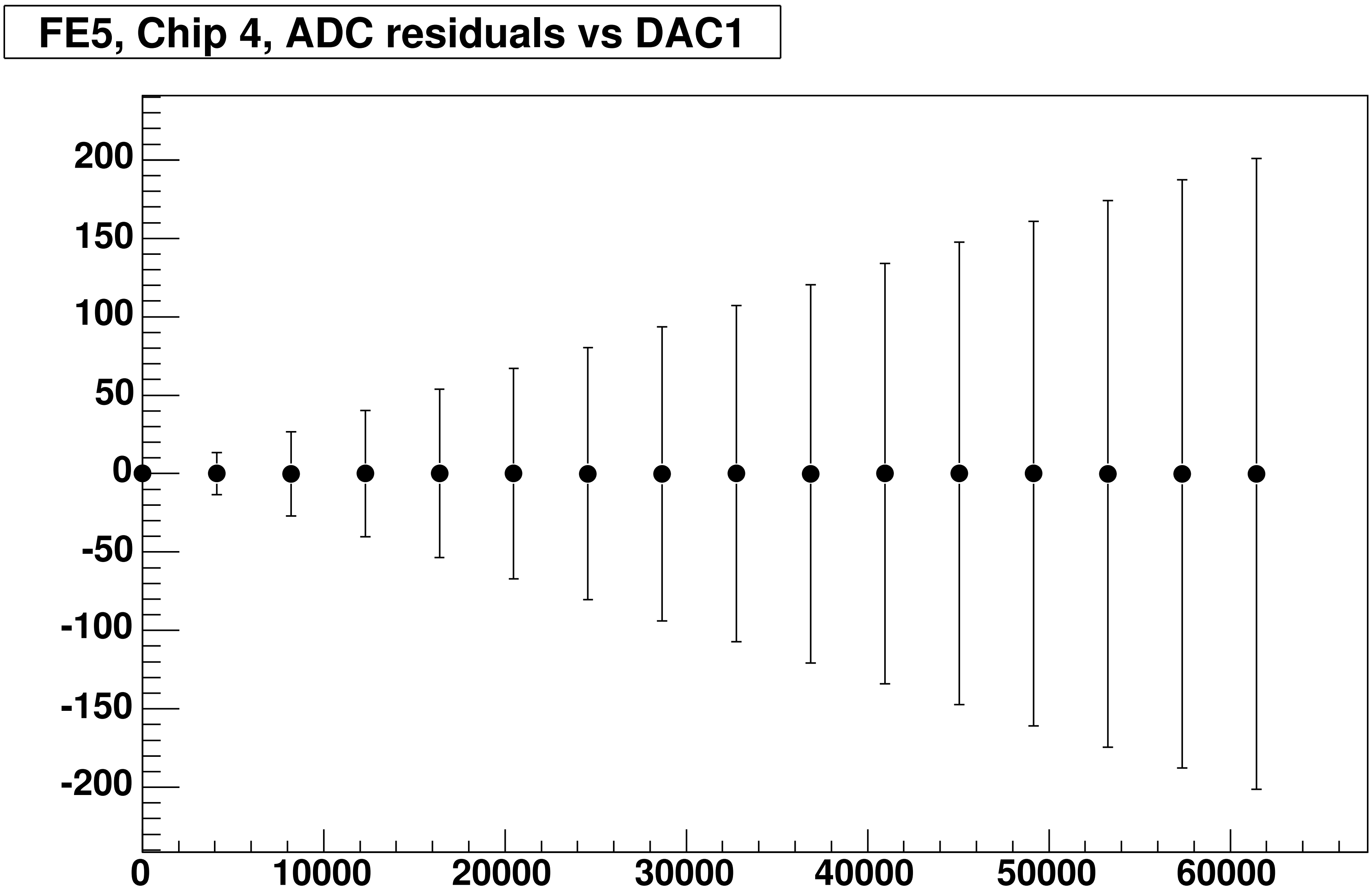

FE5, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001261 / 11
p0 -8.77 ± 31.09
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

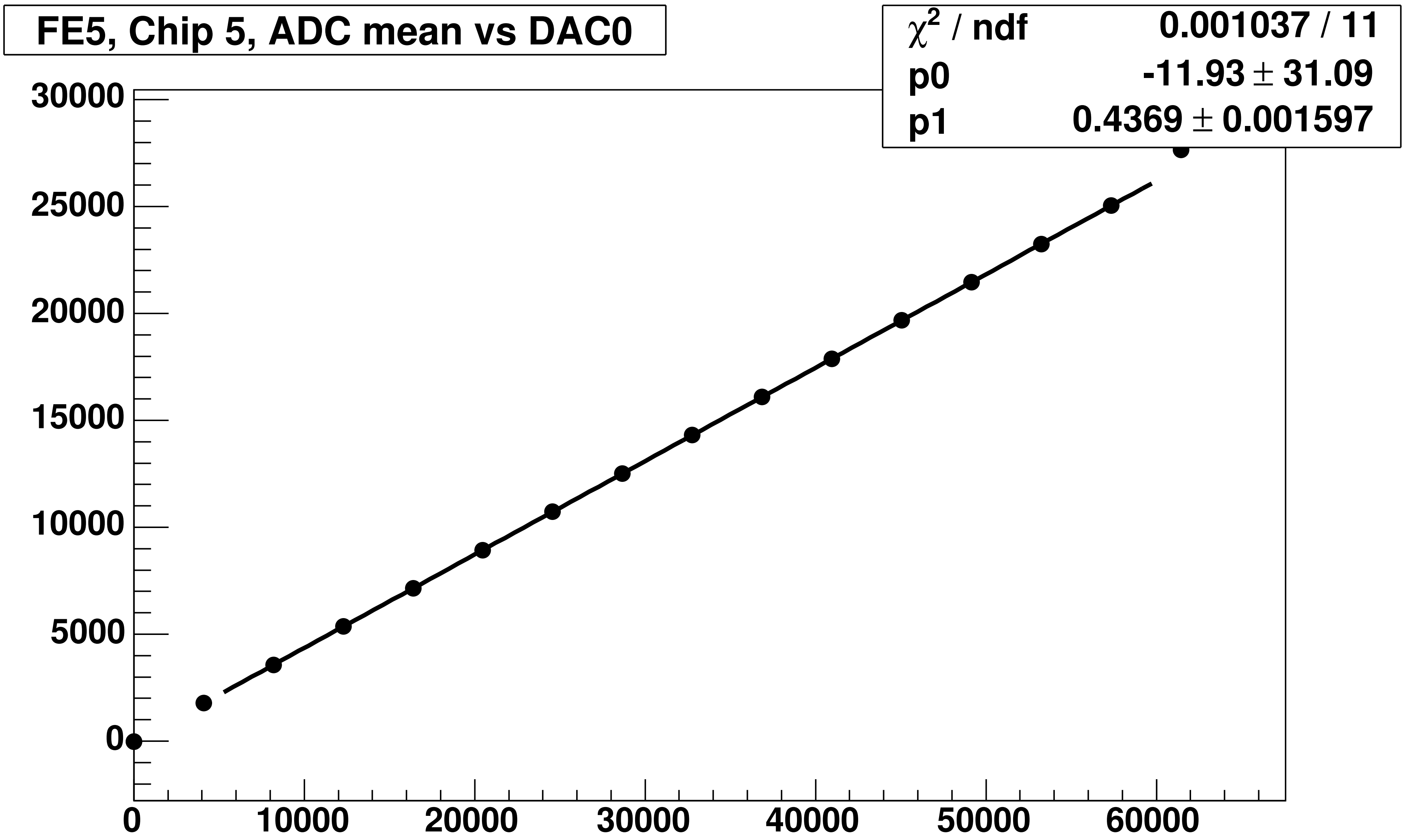

FE5, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

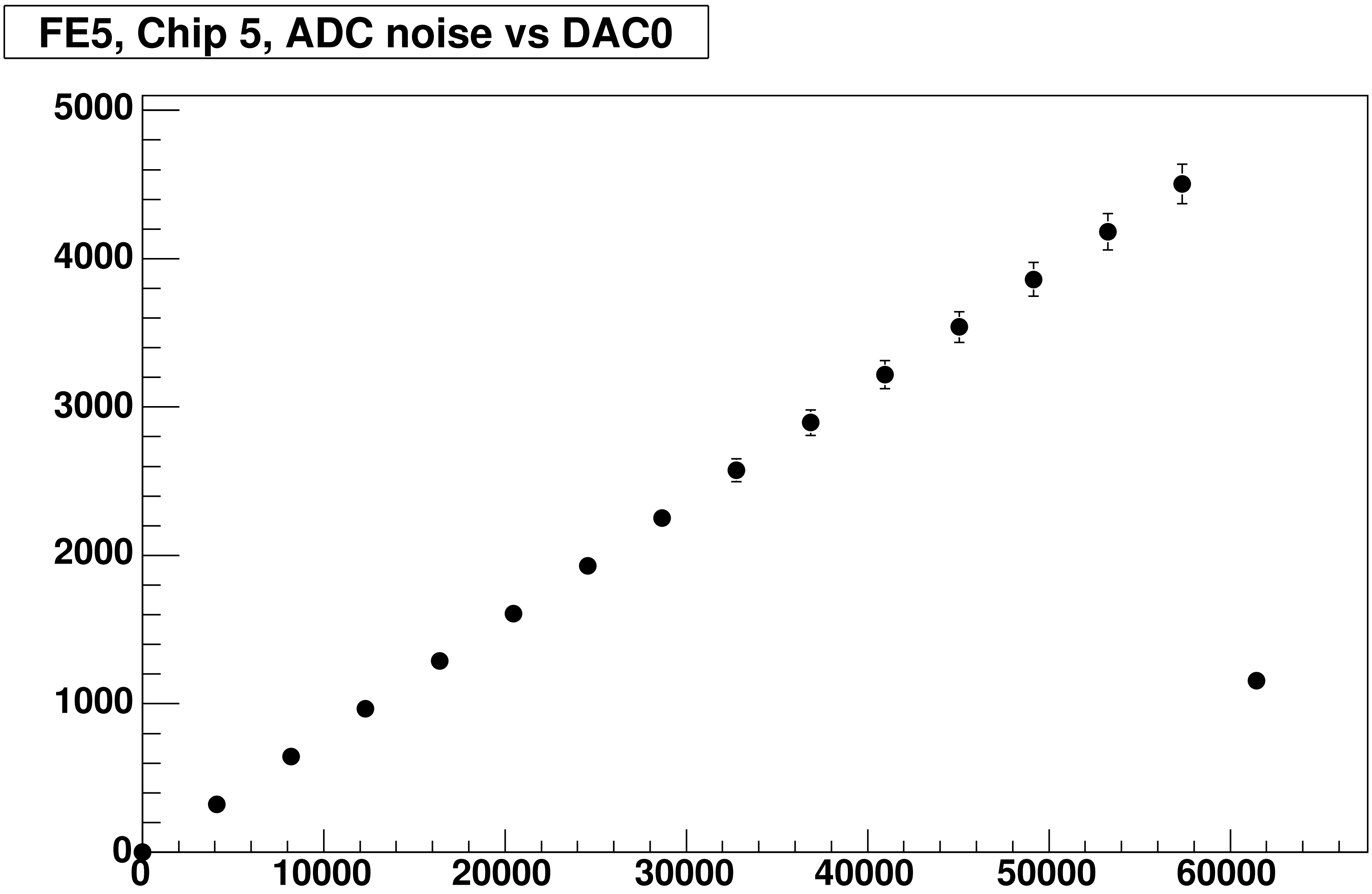

FE5, Chip 4, ADC mean vs DAC1
χ^2 / ndf 9.967e-06 / 11
p0 -10.7 ± 31.09
p1 0.0141 ± 0.001597
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

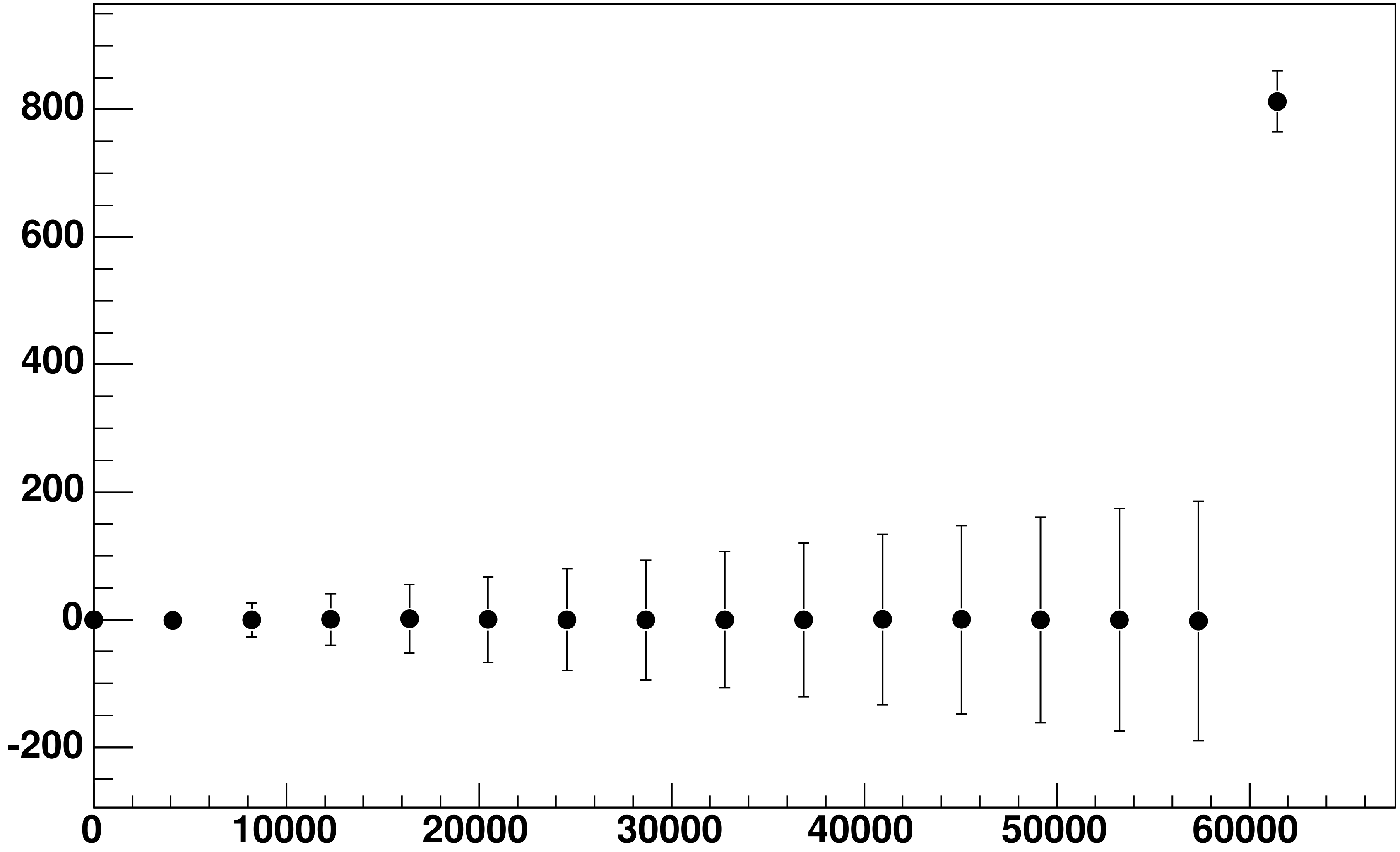

FE5, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

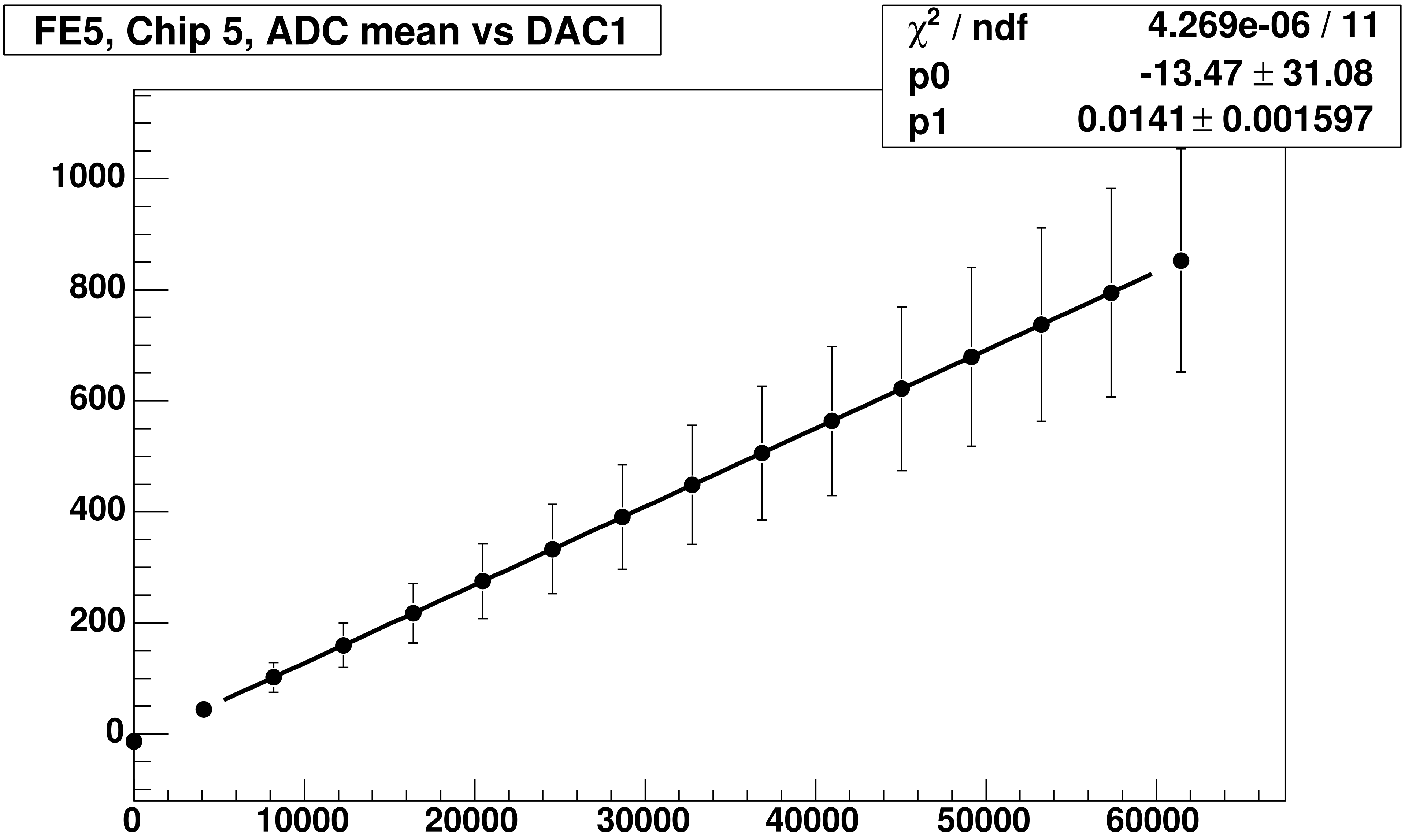


FE5, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.001037 / 11
p0 -11.93 ± 31.09
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

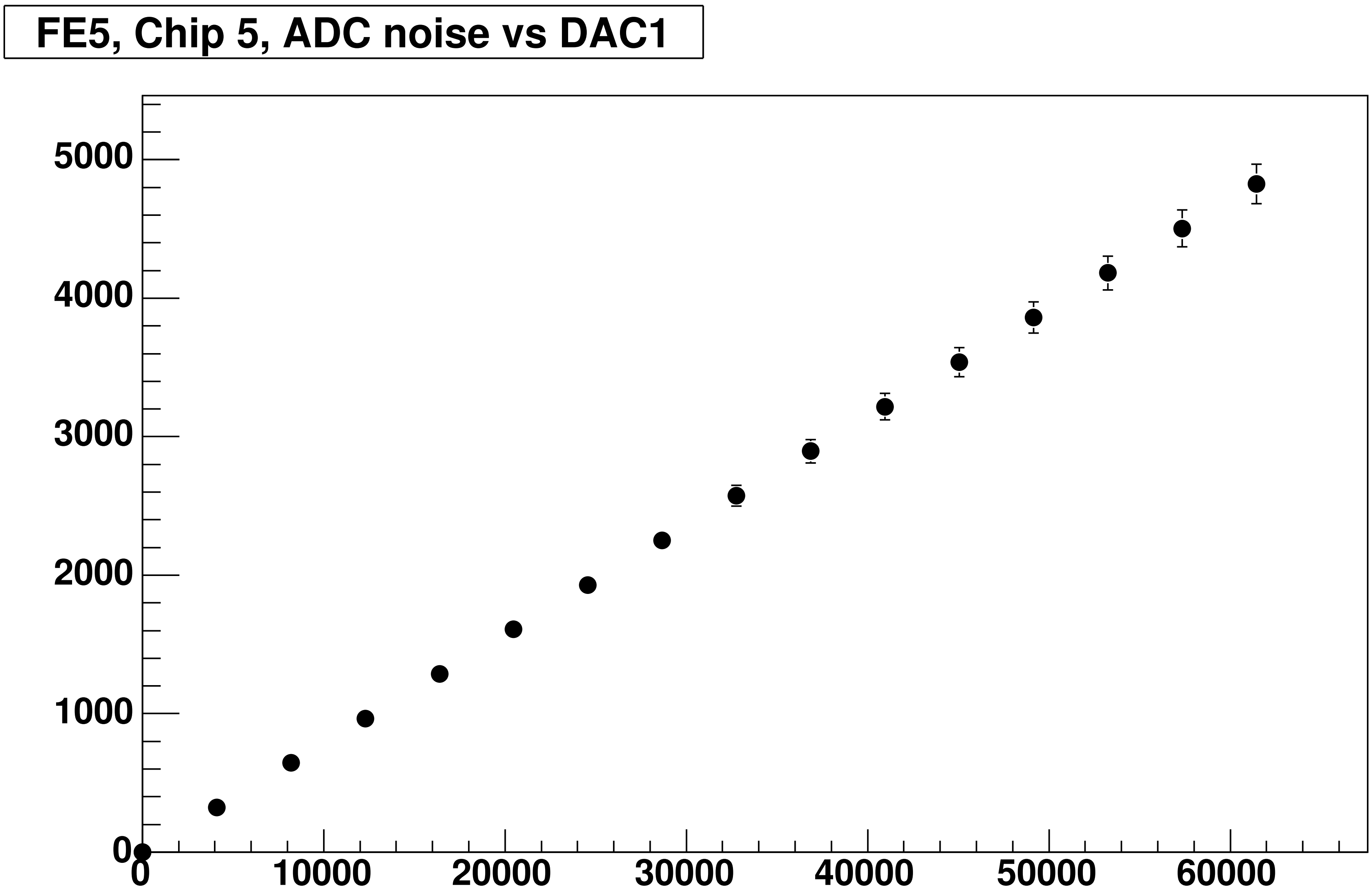

FE5, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

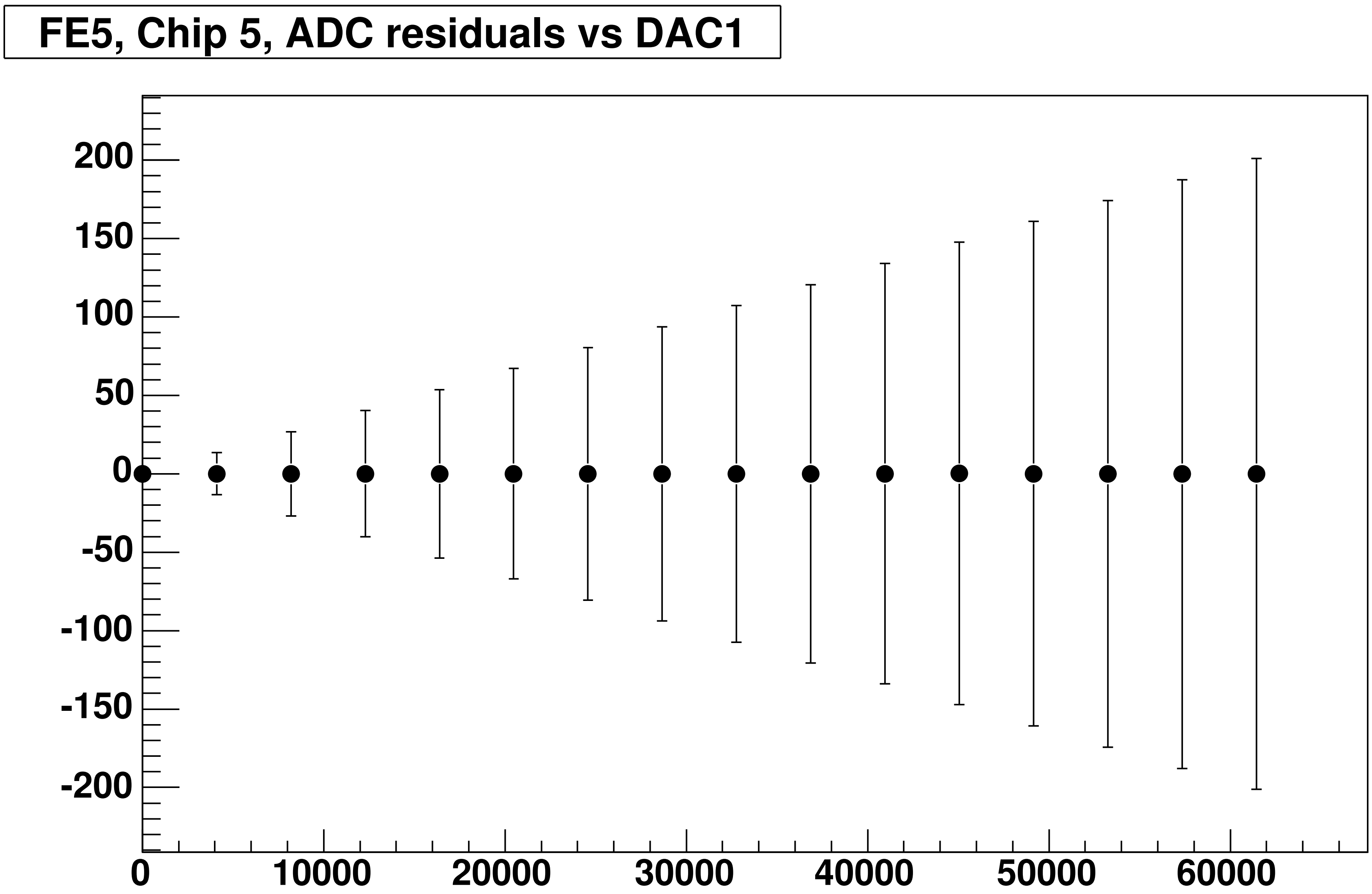
FE5, Chip 5, ADC residuals vs DAC0



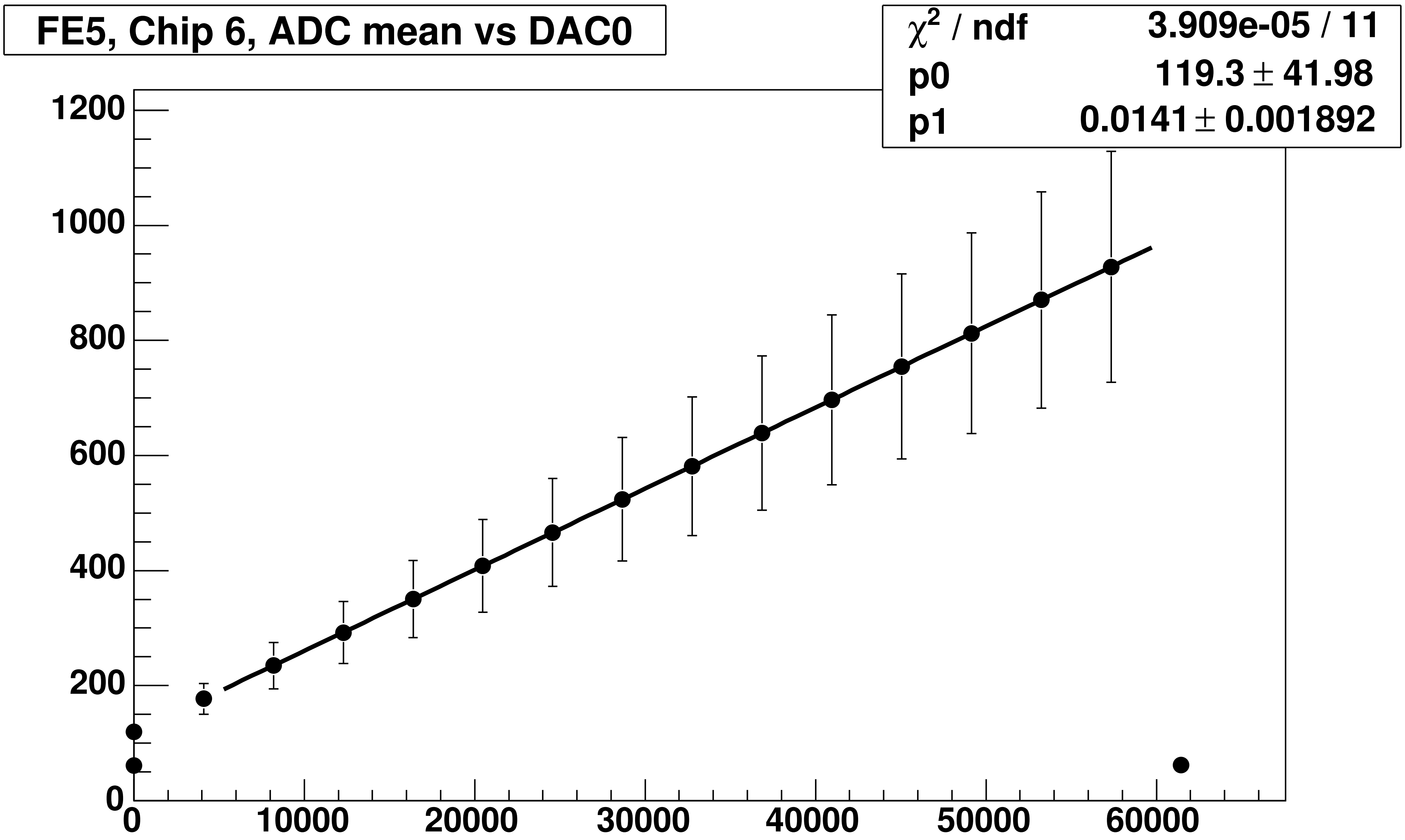


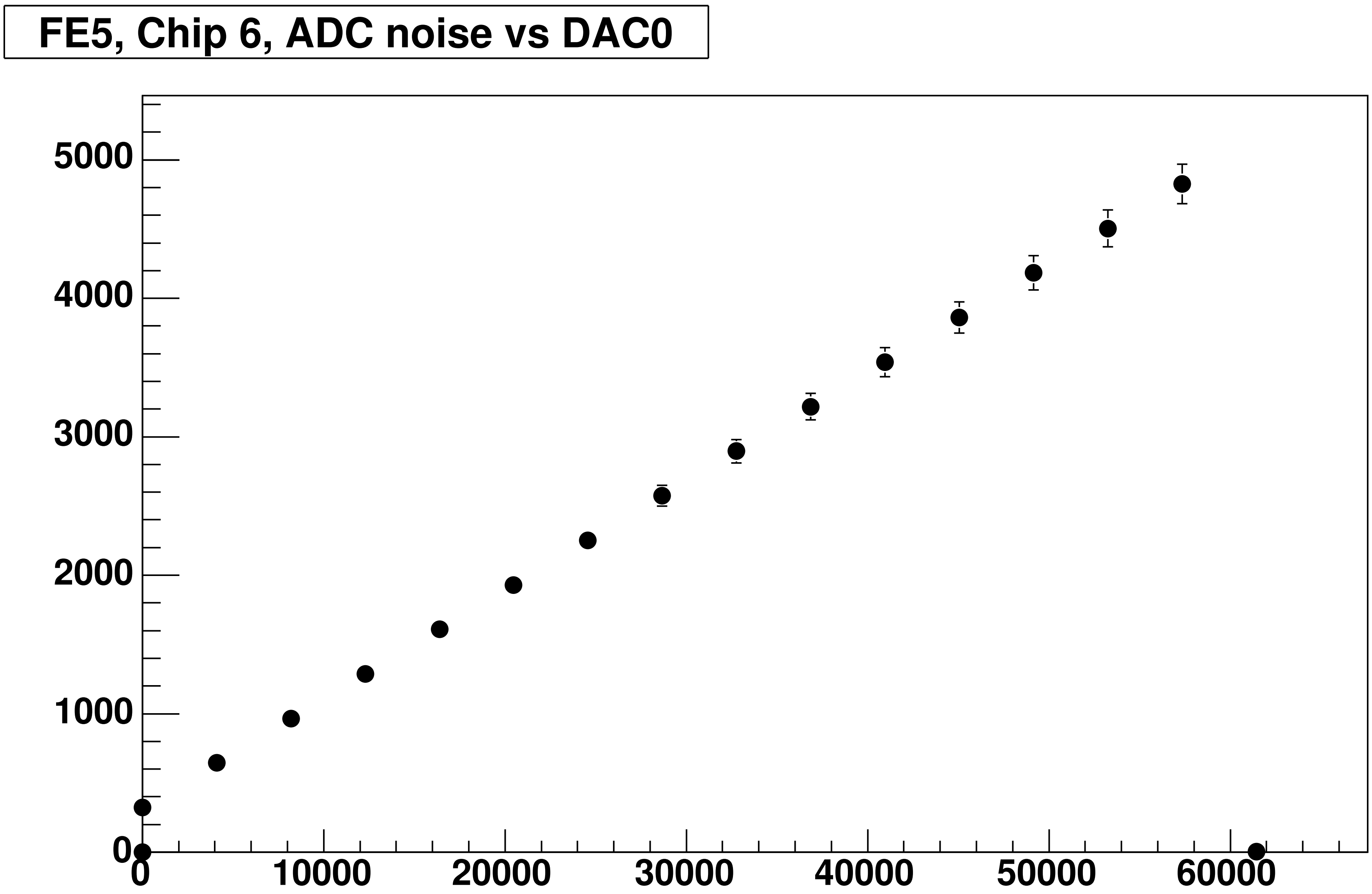
FE5, Chip 5, ADC mean vs DAC1
χ² / ndf 4.269e-06 / 11
p0 -13.47 ± 31.08
p1 0.0141 ± 0.001597
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

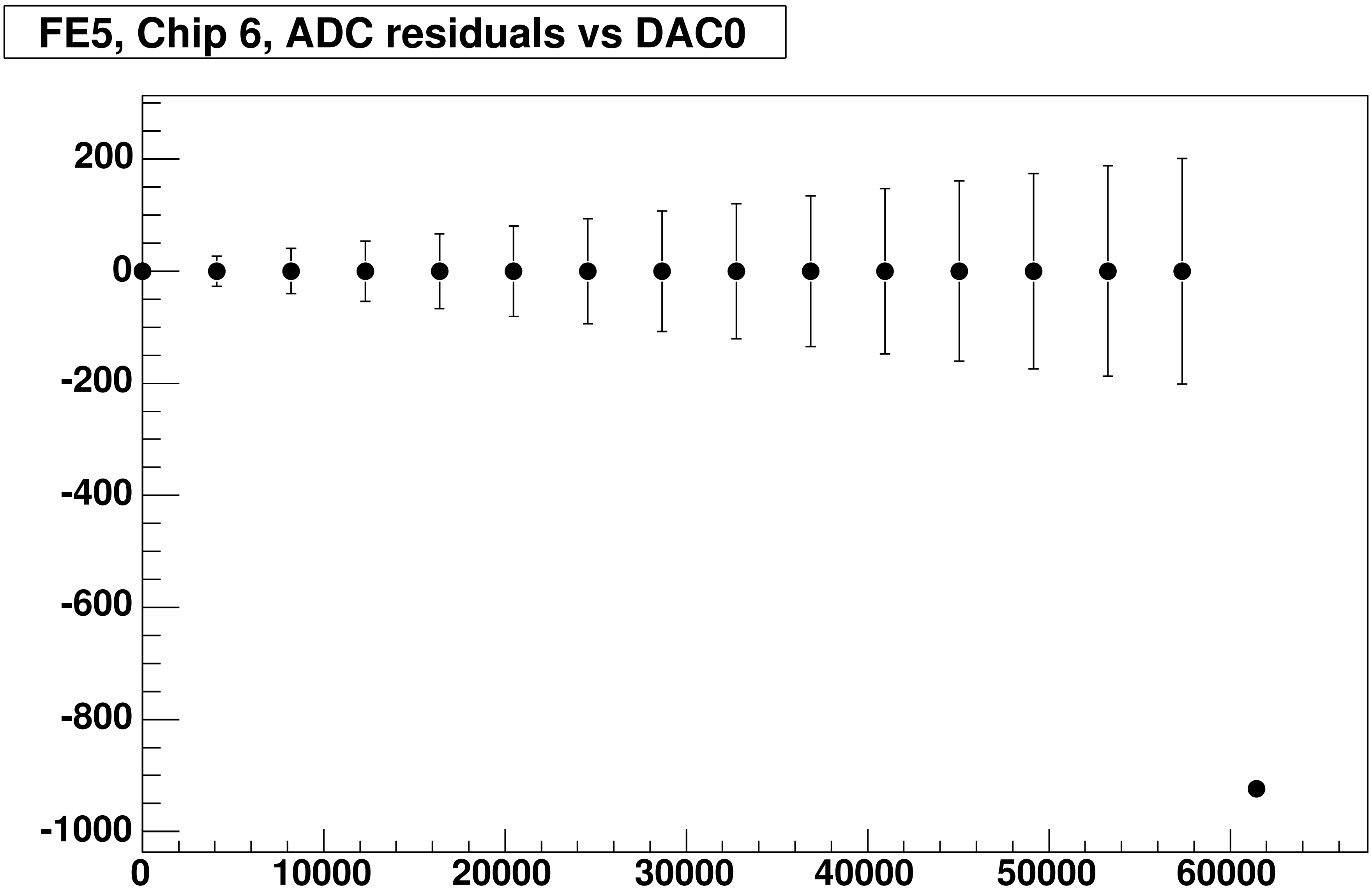

FE5, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

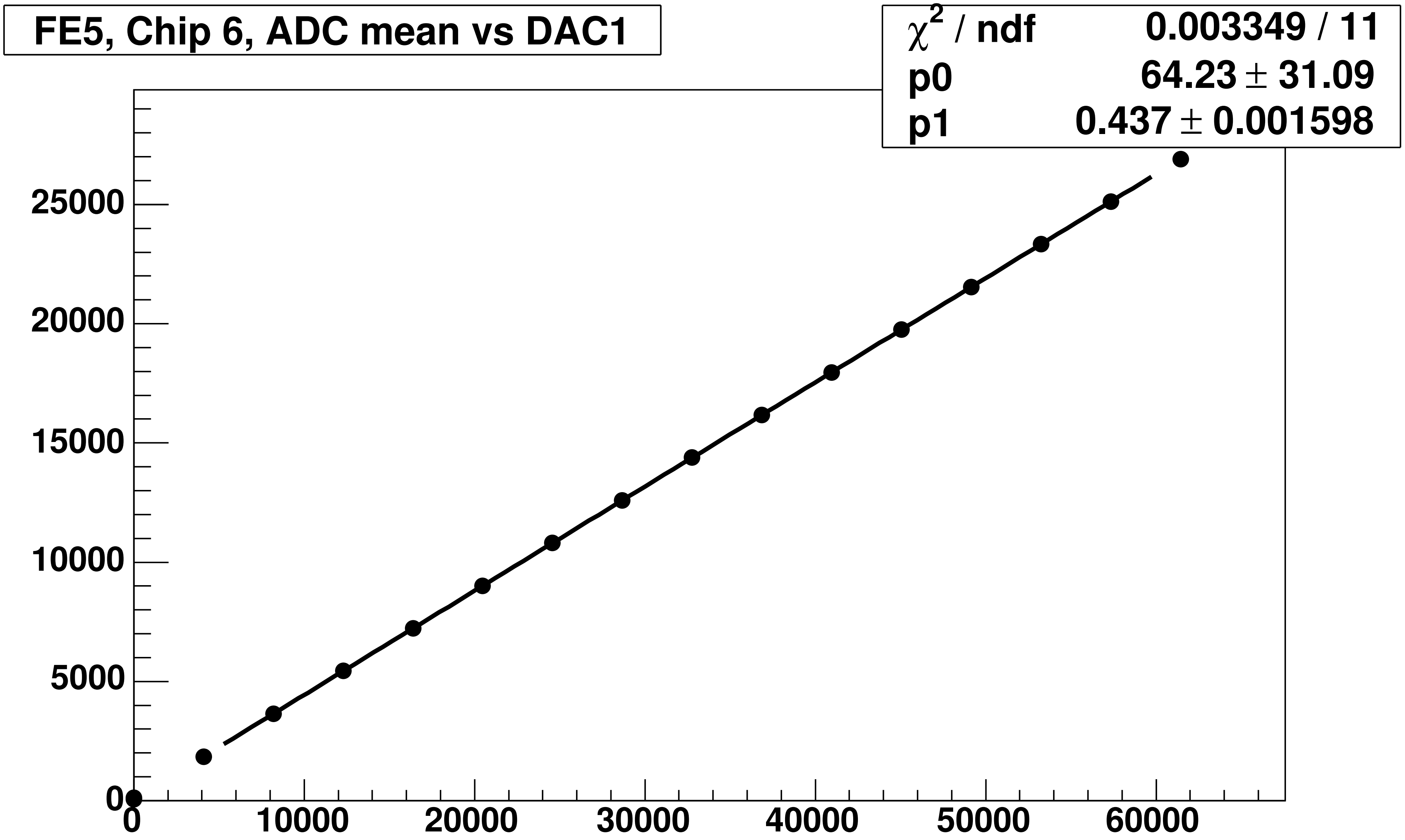


FE5, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

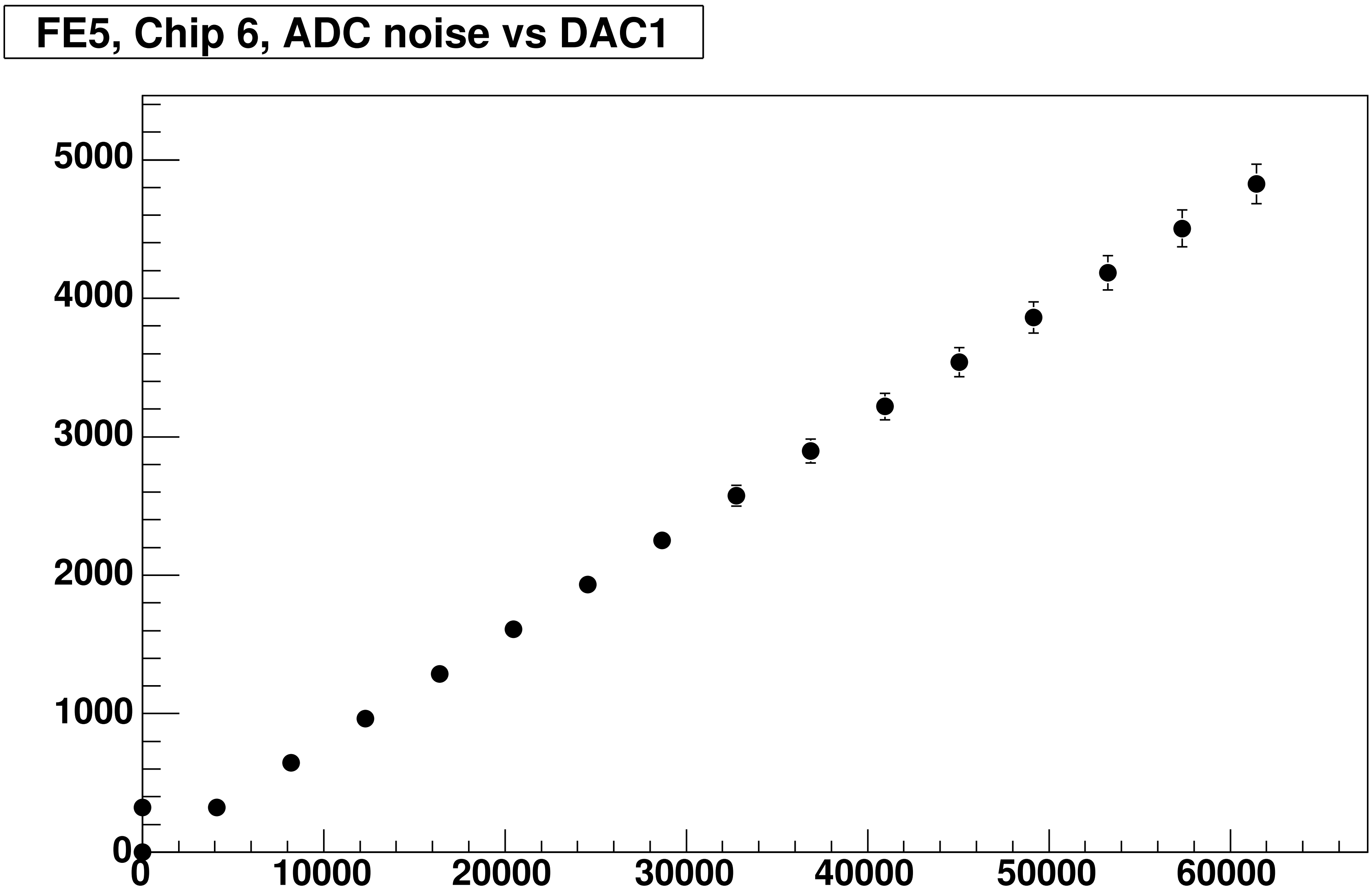

FE5, Chip 6, ADC mean vs DAC0
χ^2 / ndf 3.909e-05 / 11
p0 119.3 ± 41.98
p1 0.0141 ± 0.001892
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

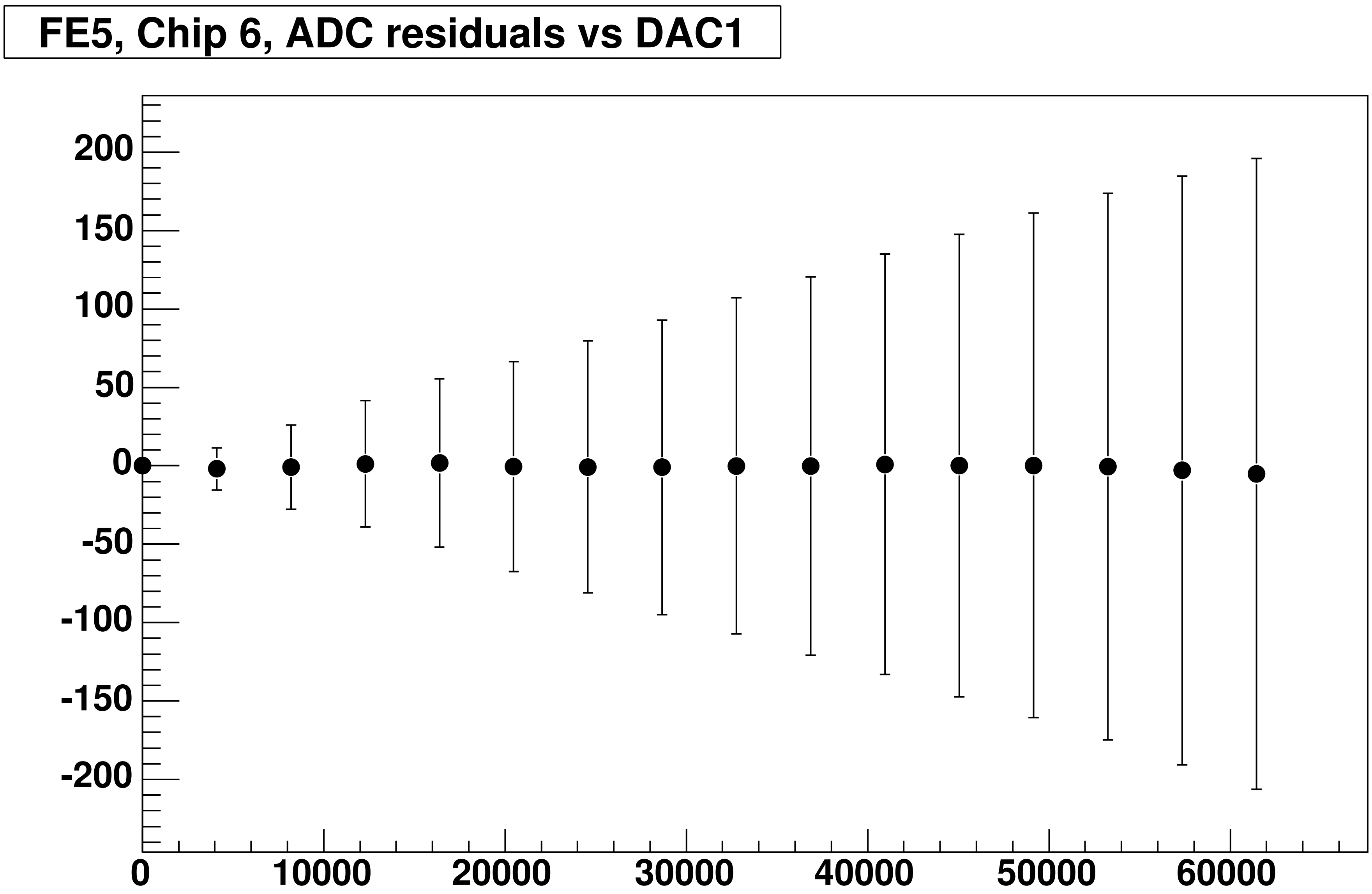

FE5, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE5, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

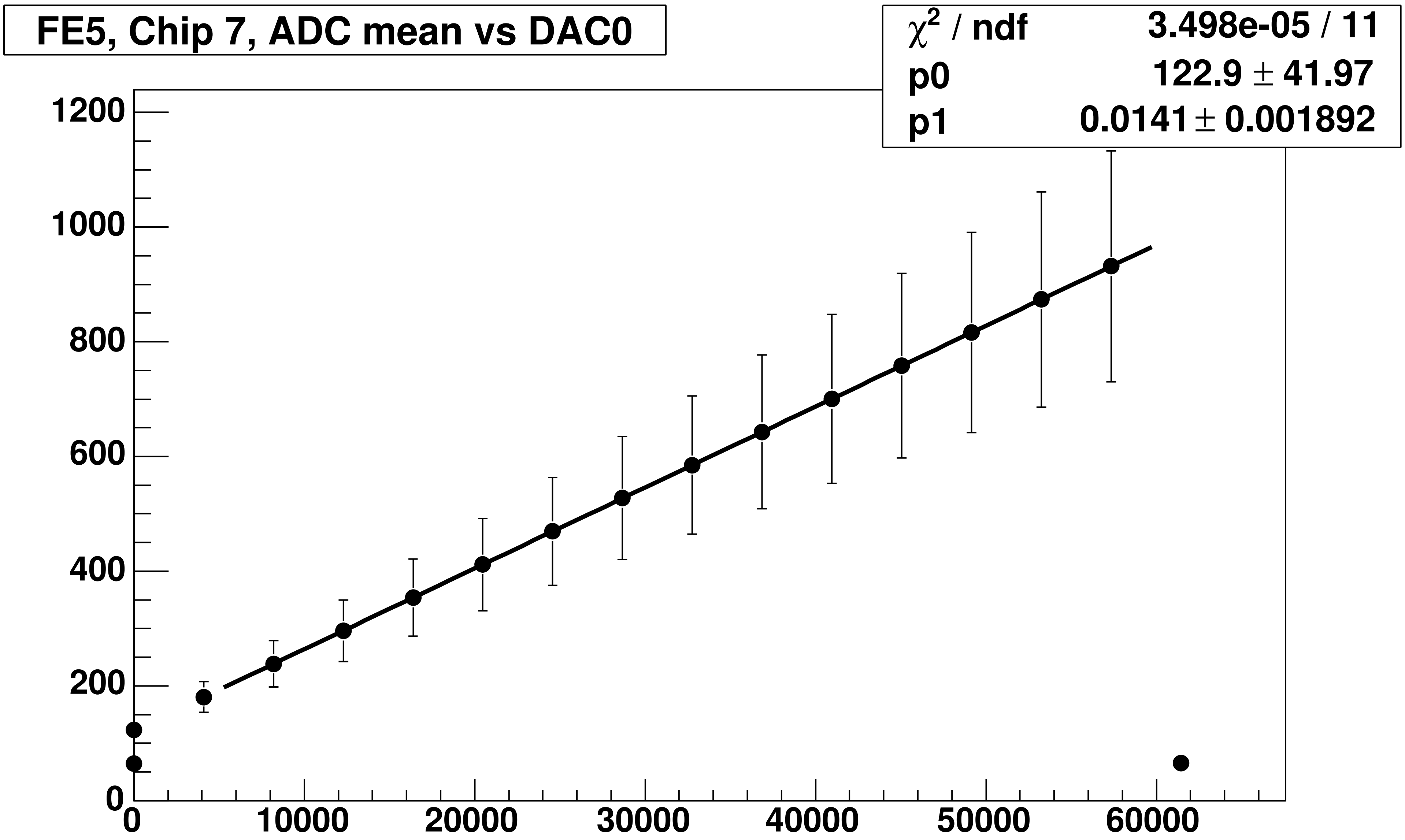


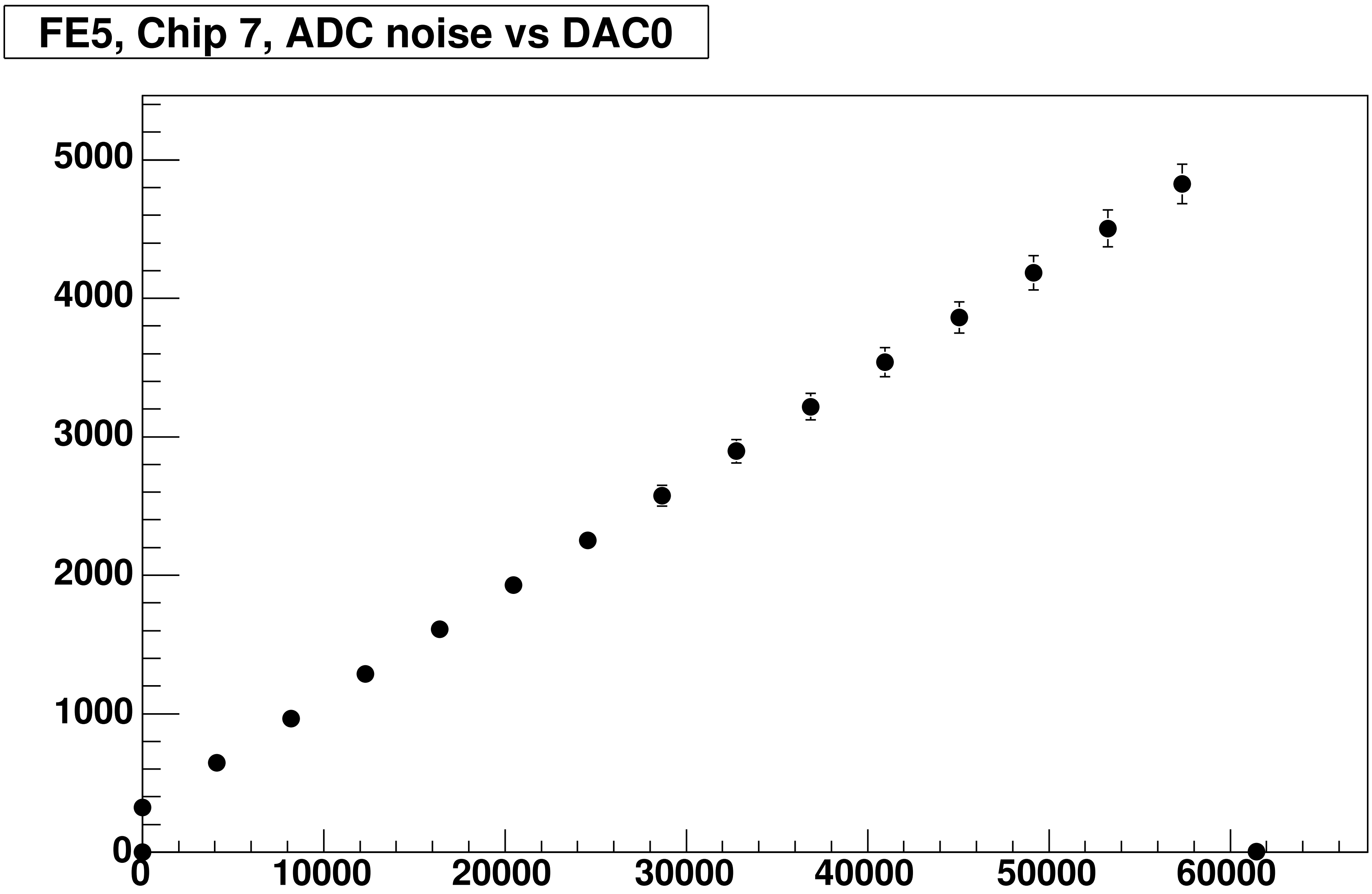
FE5, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.003349 / 11
p0 64.23 ± 31.09
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

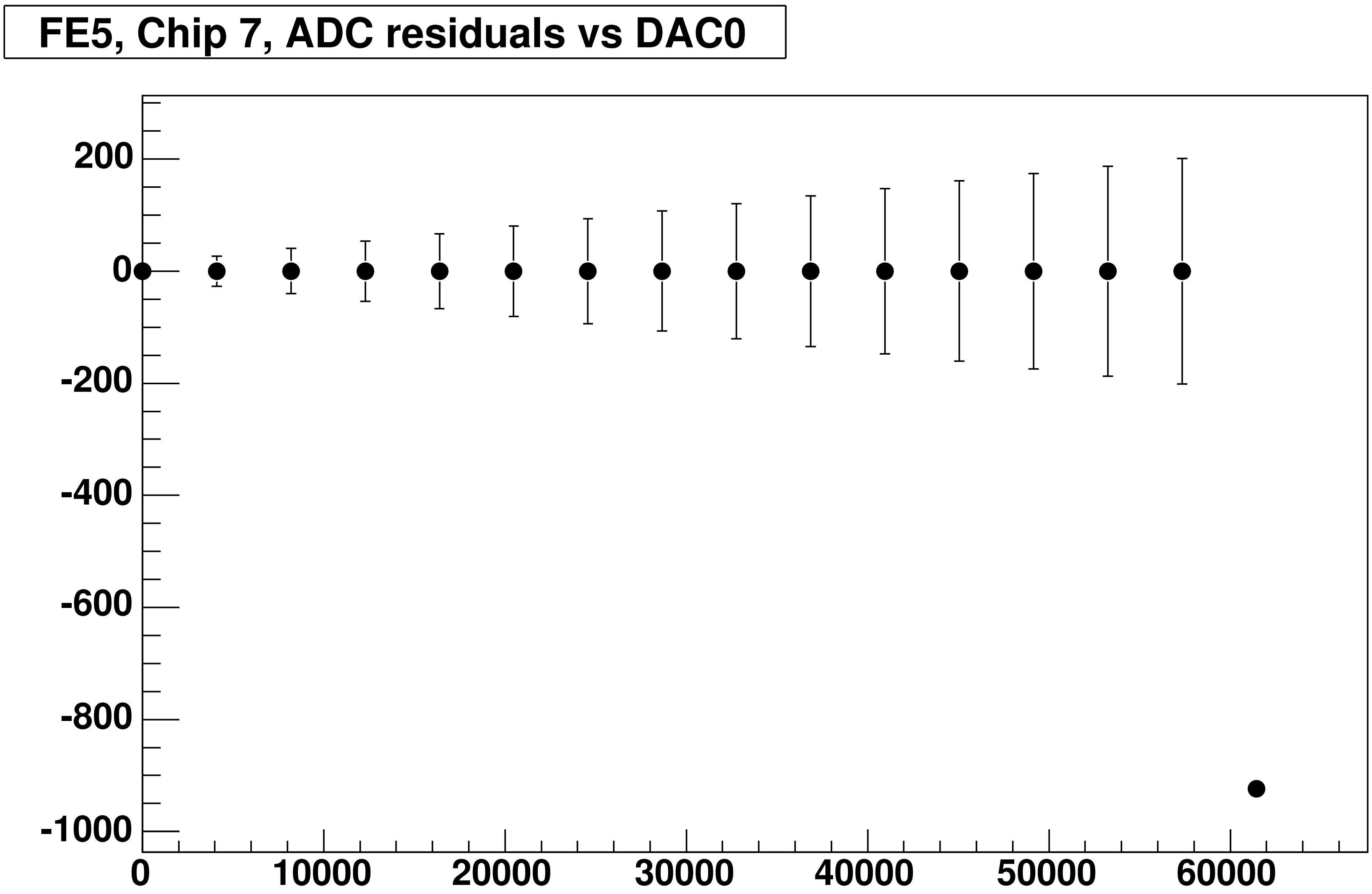

FE5, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

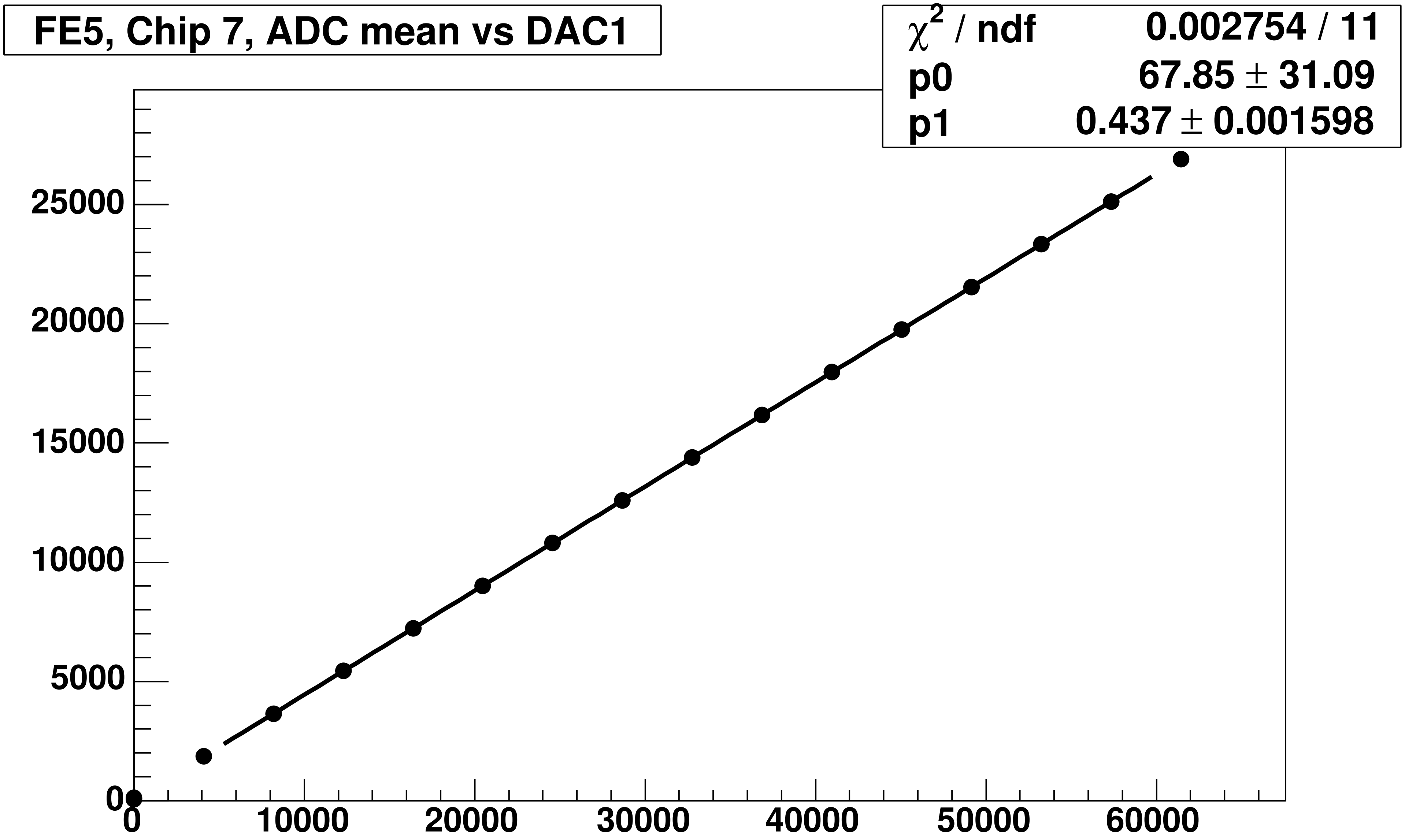


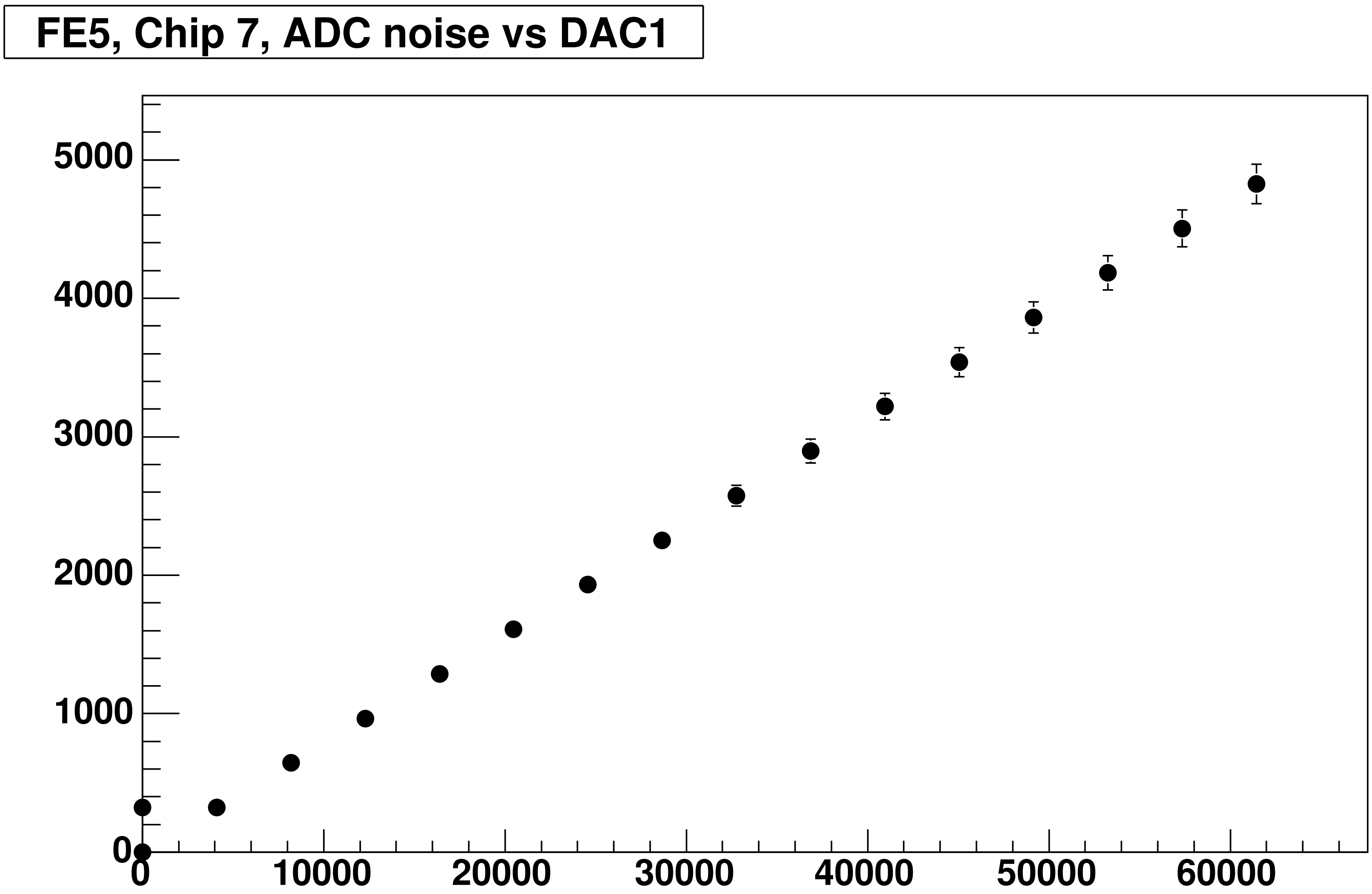
FE5, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

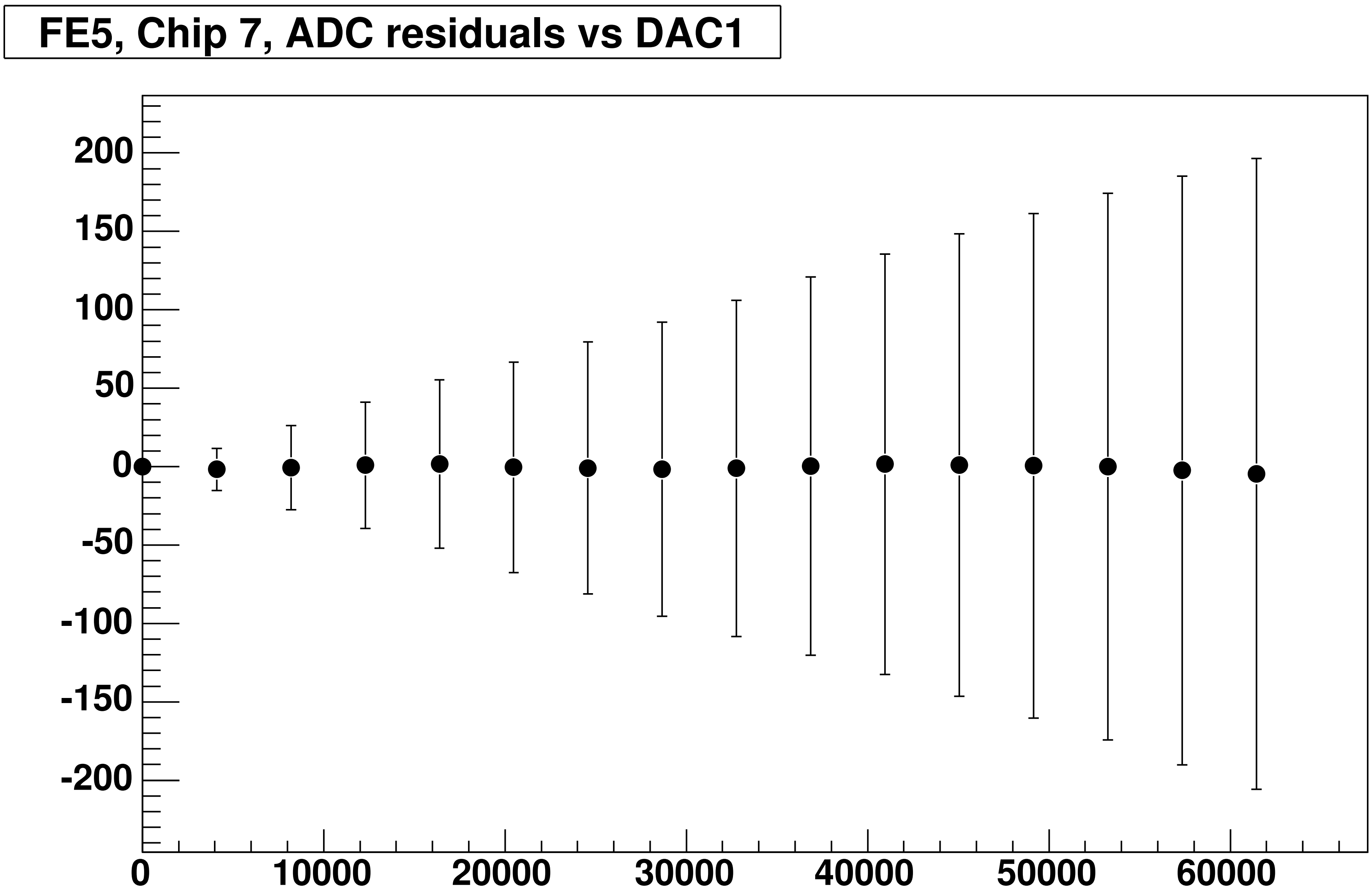

FE5, Chip 7, ADC mean vs DAC0
χ^2 / ndf 3.498e-05 / 11
p0 122.9 ± 41.97
p1 0.0141 ± 0.001892
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

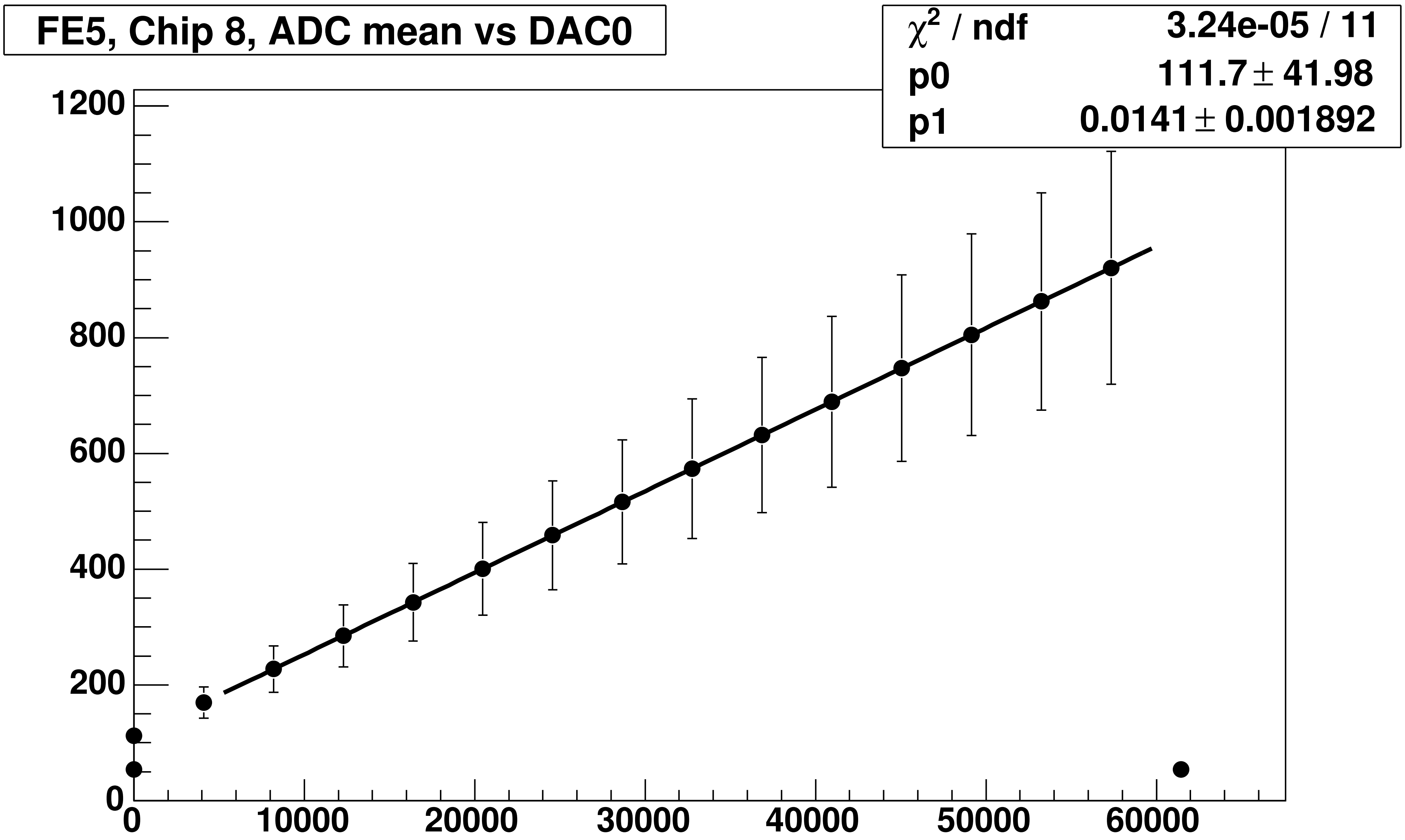

FE5, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE5, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

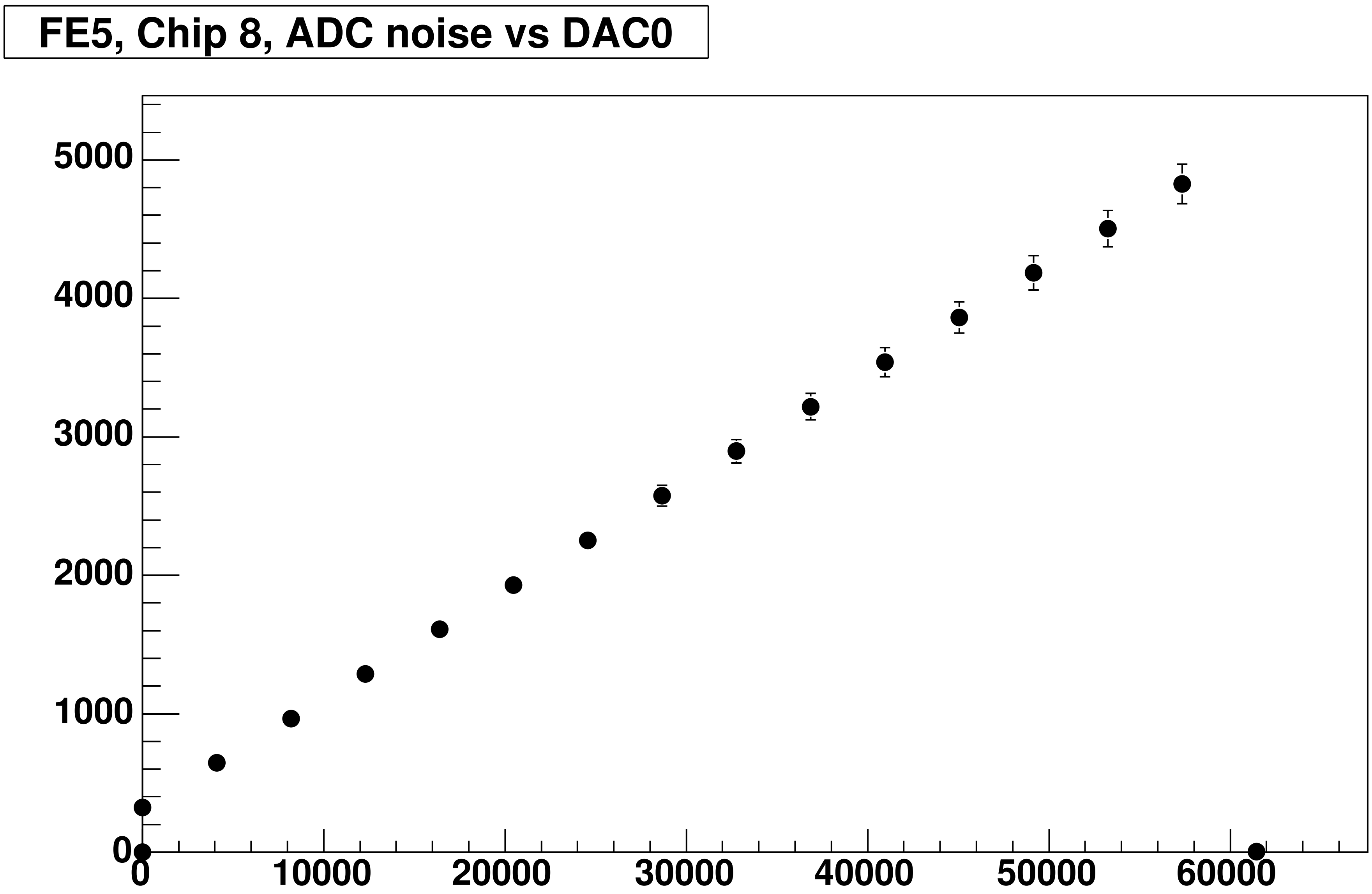

FE5, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.002754 / 11
p0 67.85 ± 31.09
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

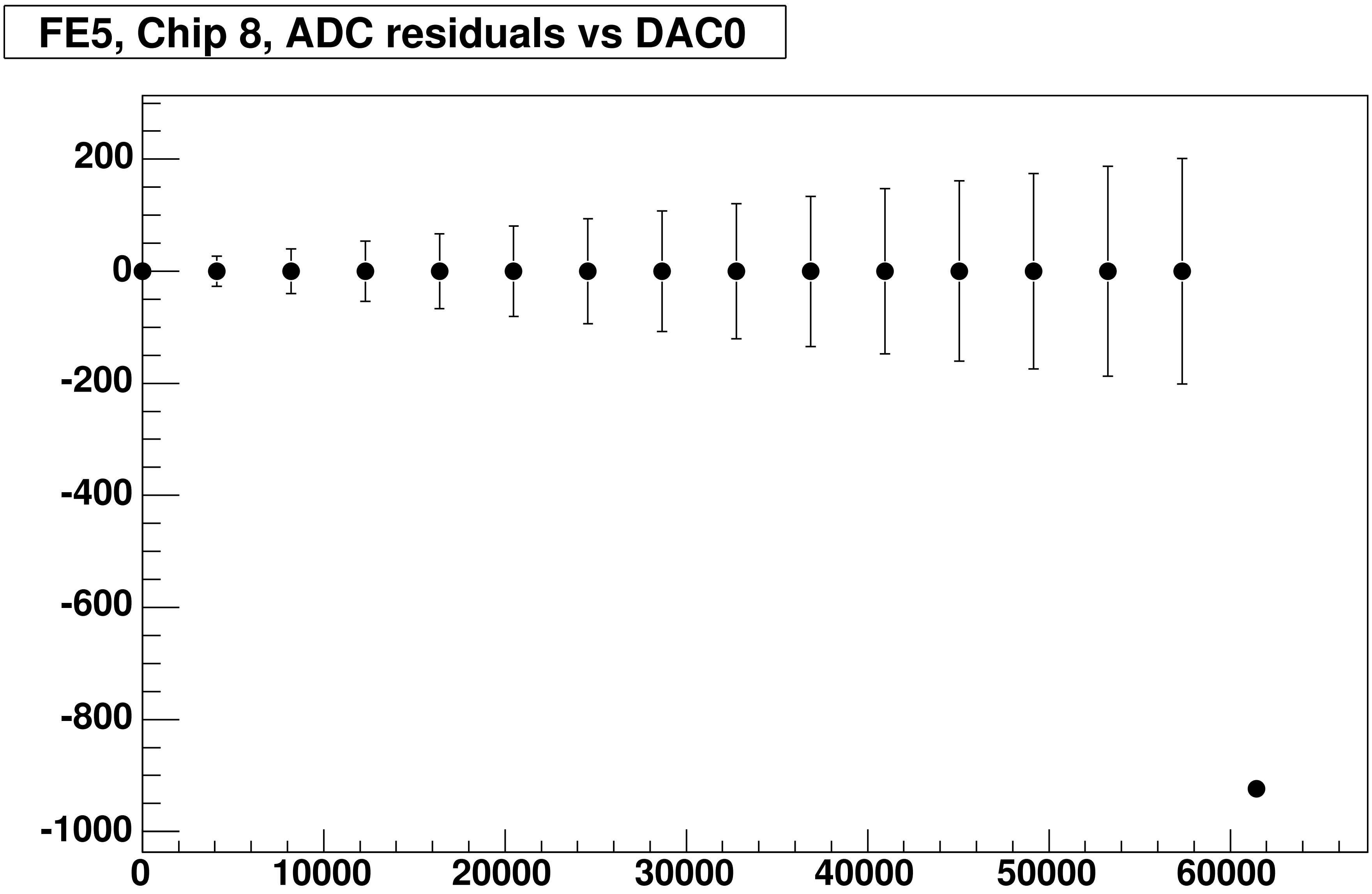

FE5, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE5, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

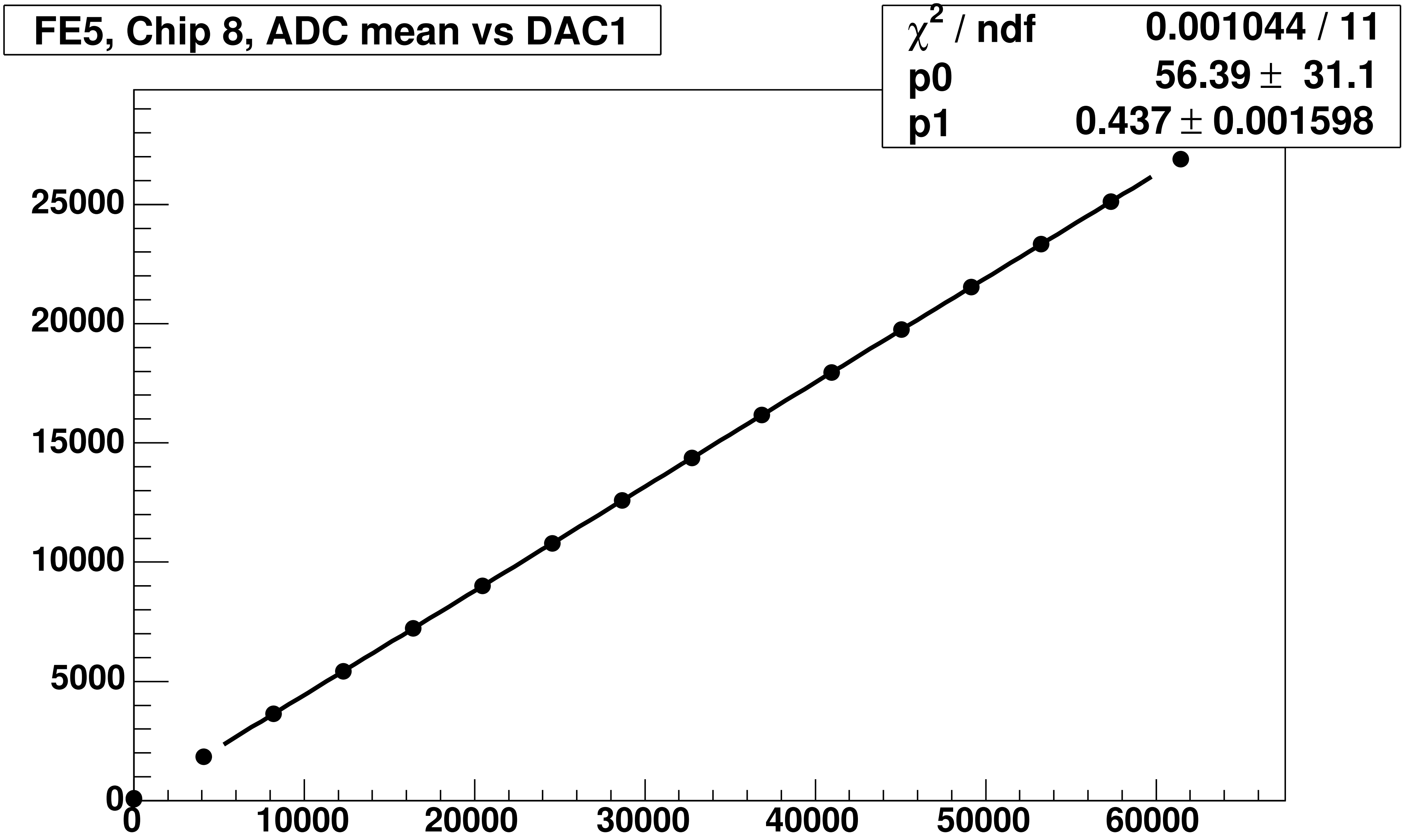


FE5, Chip 8, ADC mean vs DAC0
χ^2 / ndf 3.24e-05 / 11
p0 111.7 ± 41.98
p1 0.0141 ± 0.001892
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

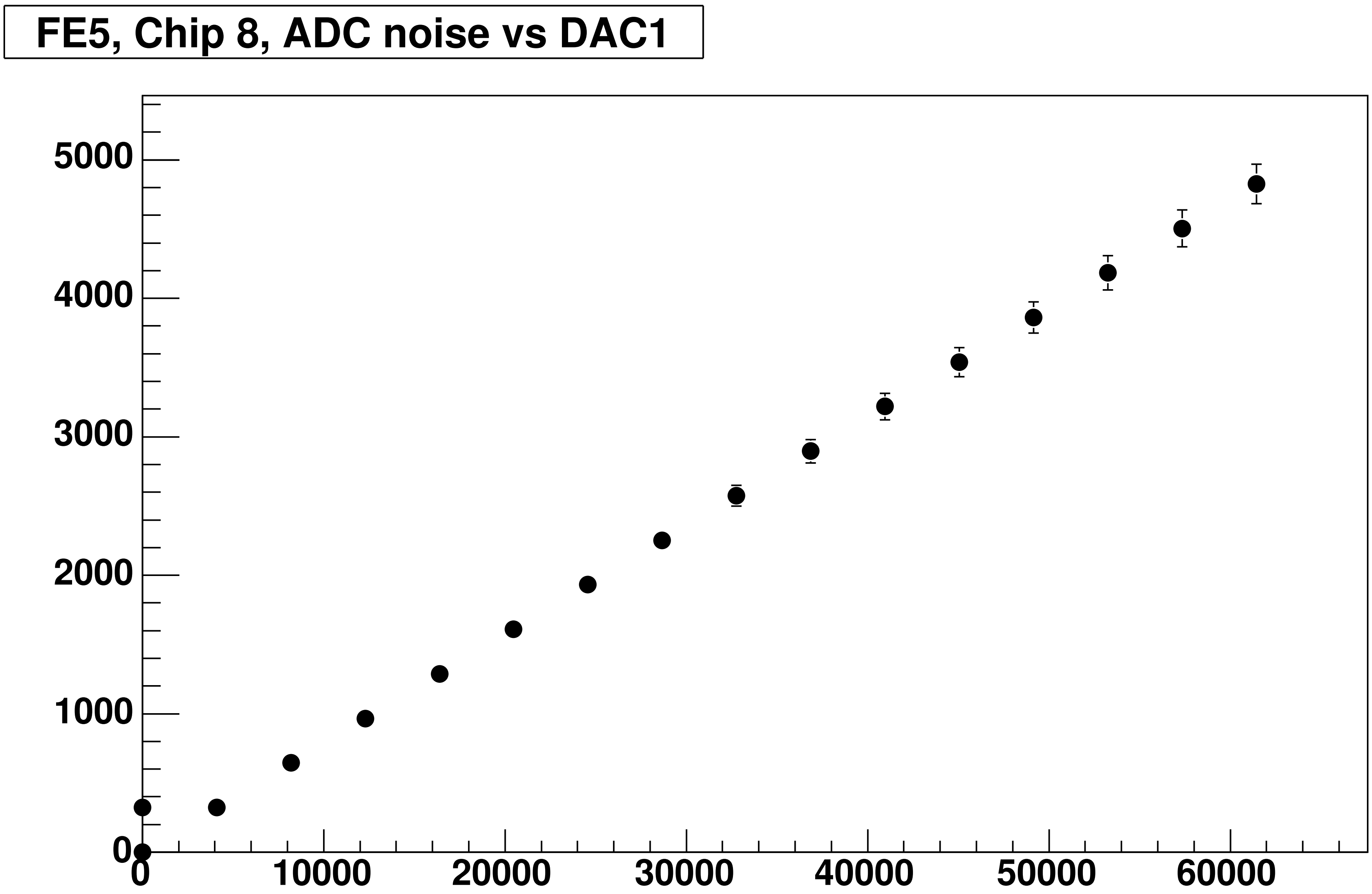

FE5, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

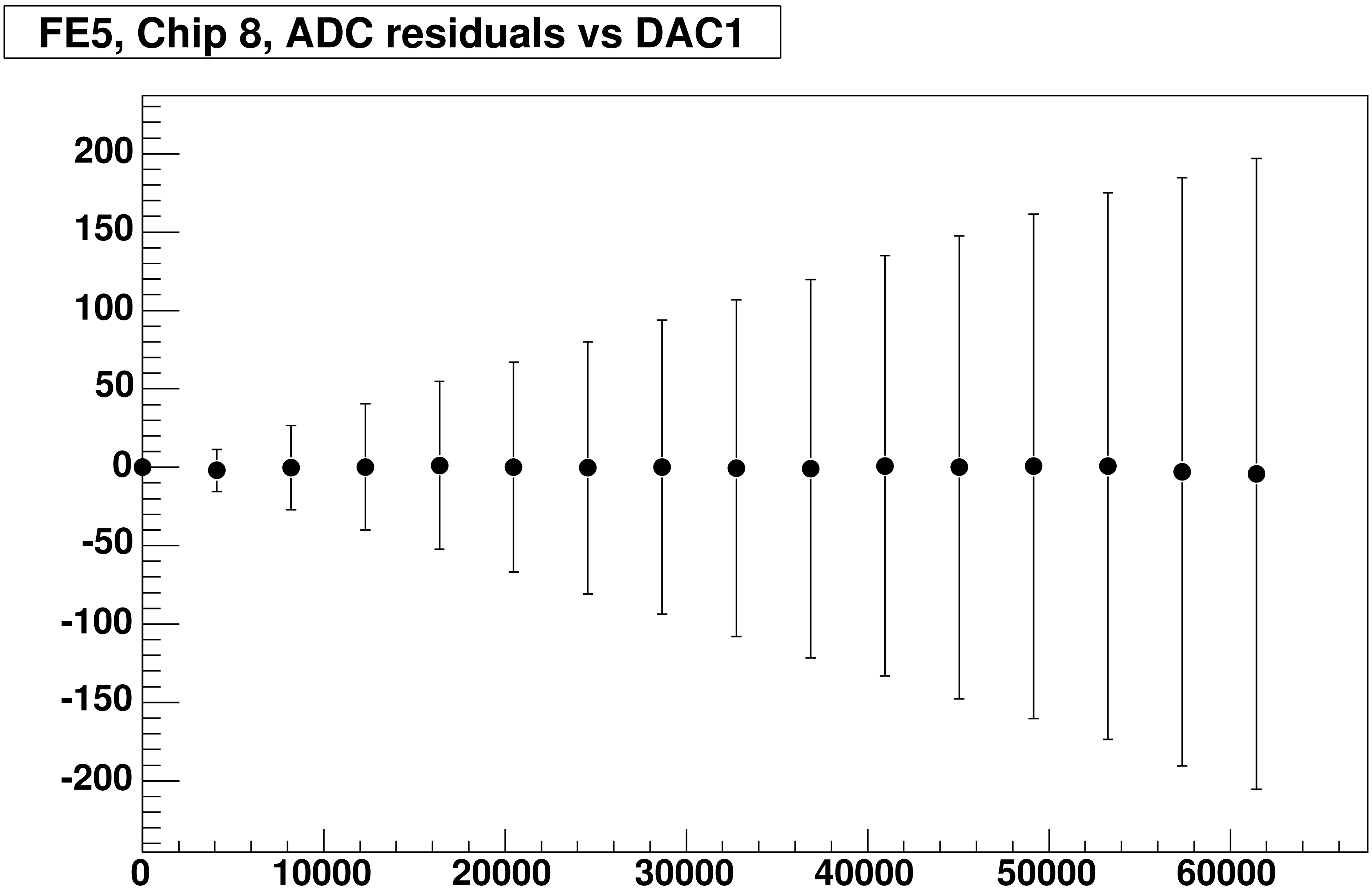


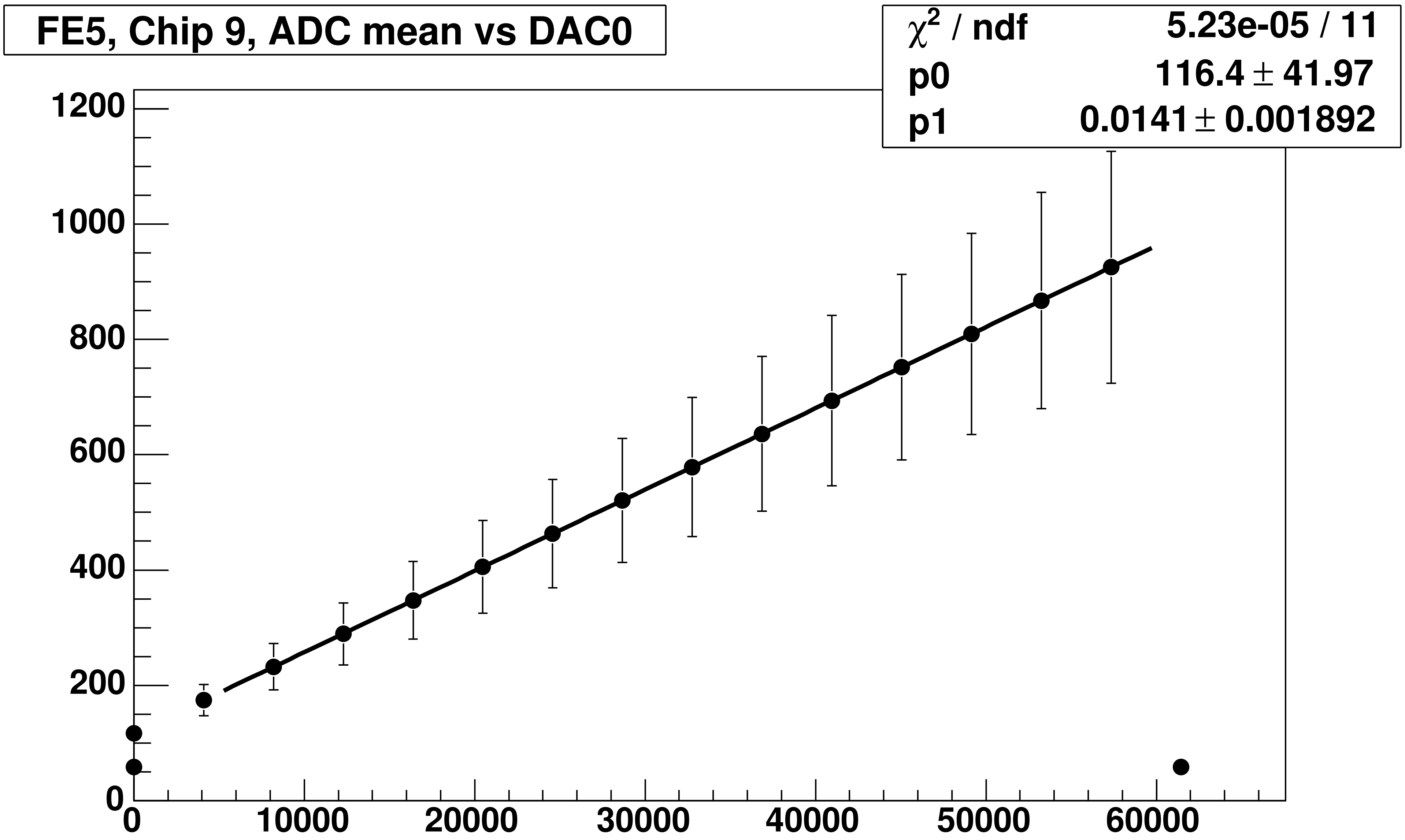
FE5, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

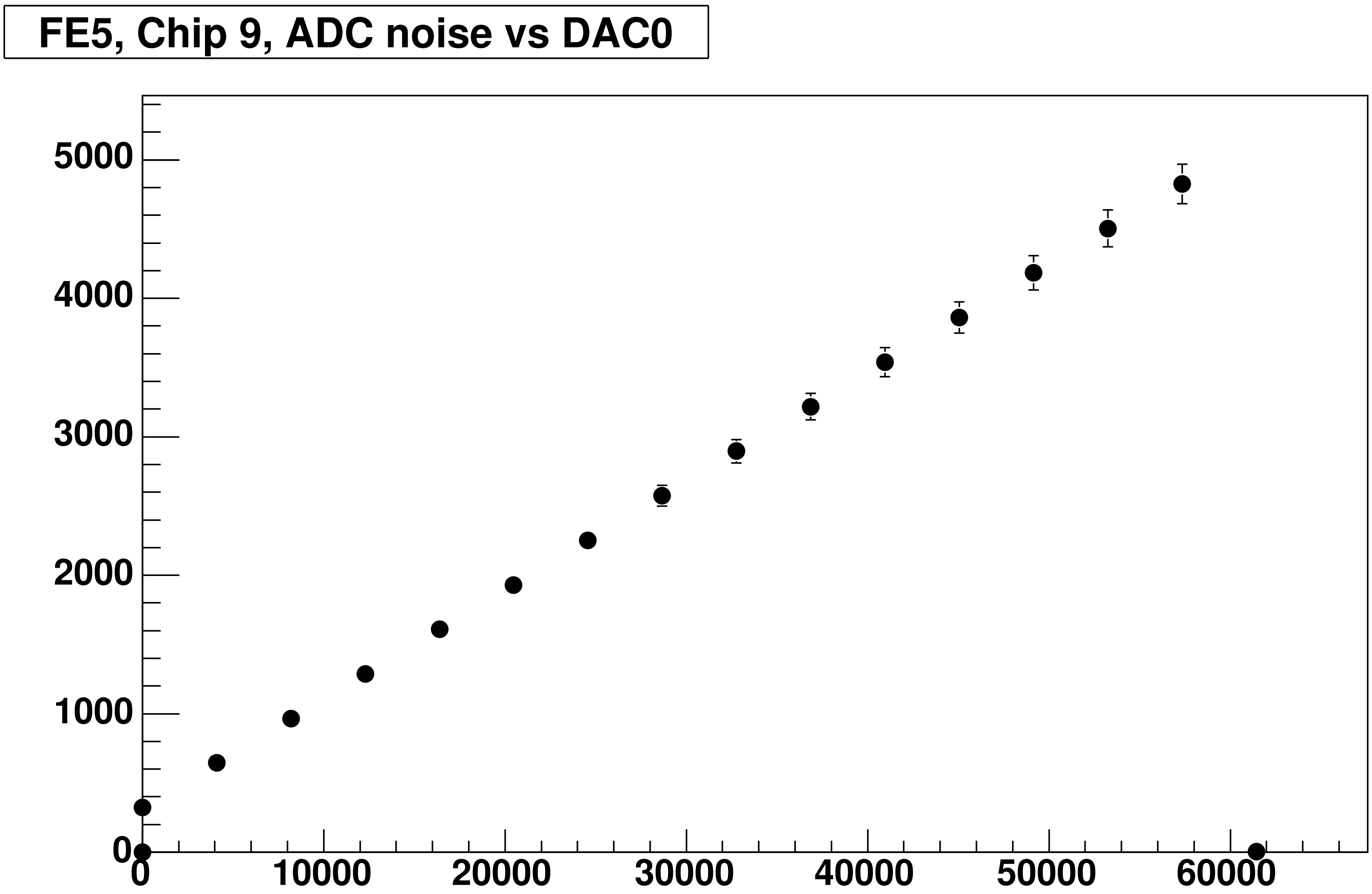


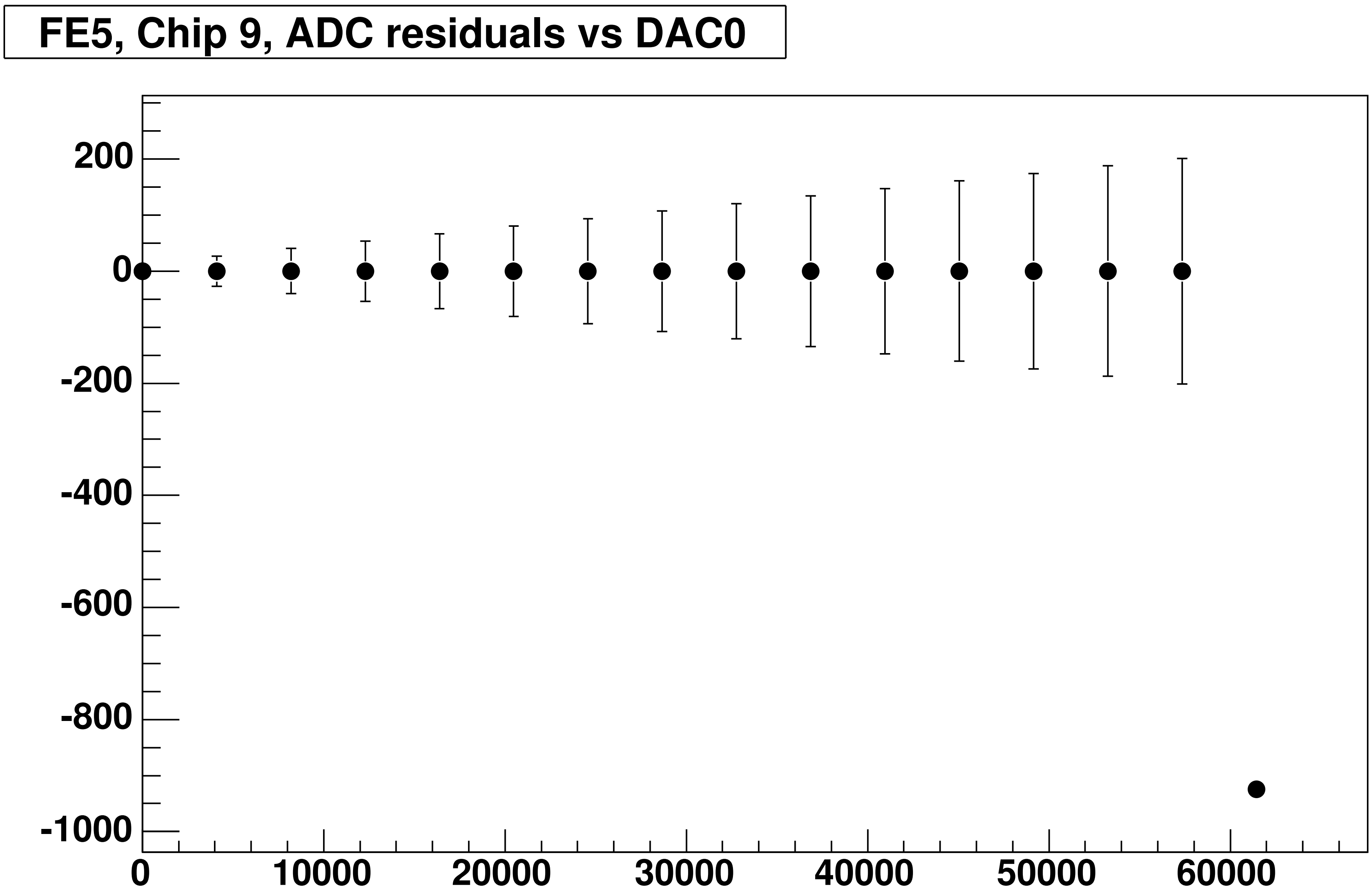
FE5, Chip 8, ADC mean vs DAC1
χ2 / ndf 0.001044 / 11
p0 56.39 ± 31.1
p1 0.437 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

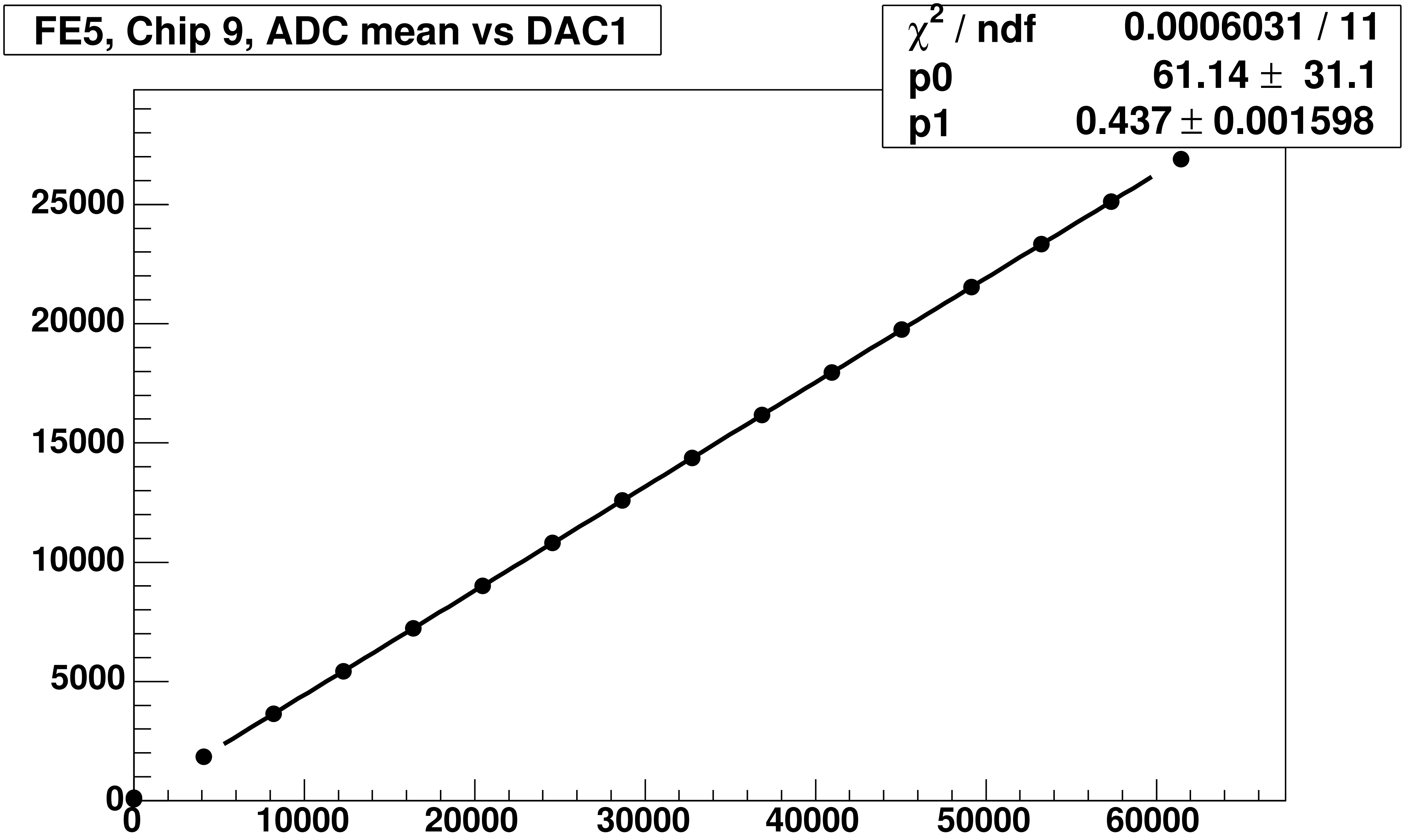

FE5, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

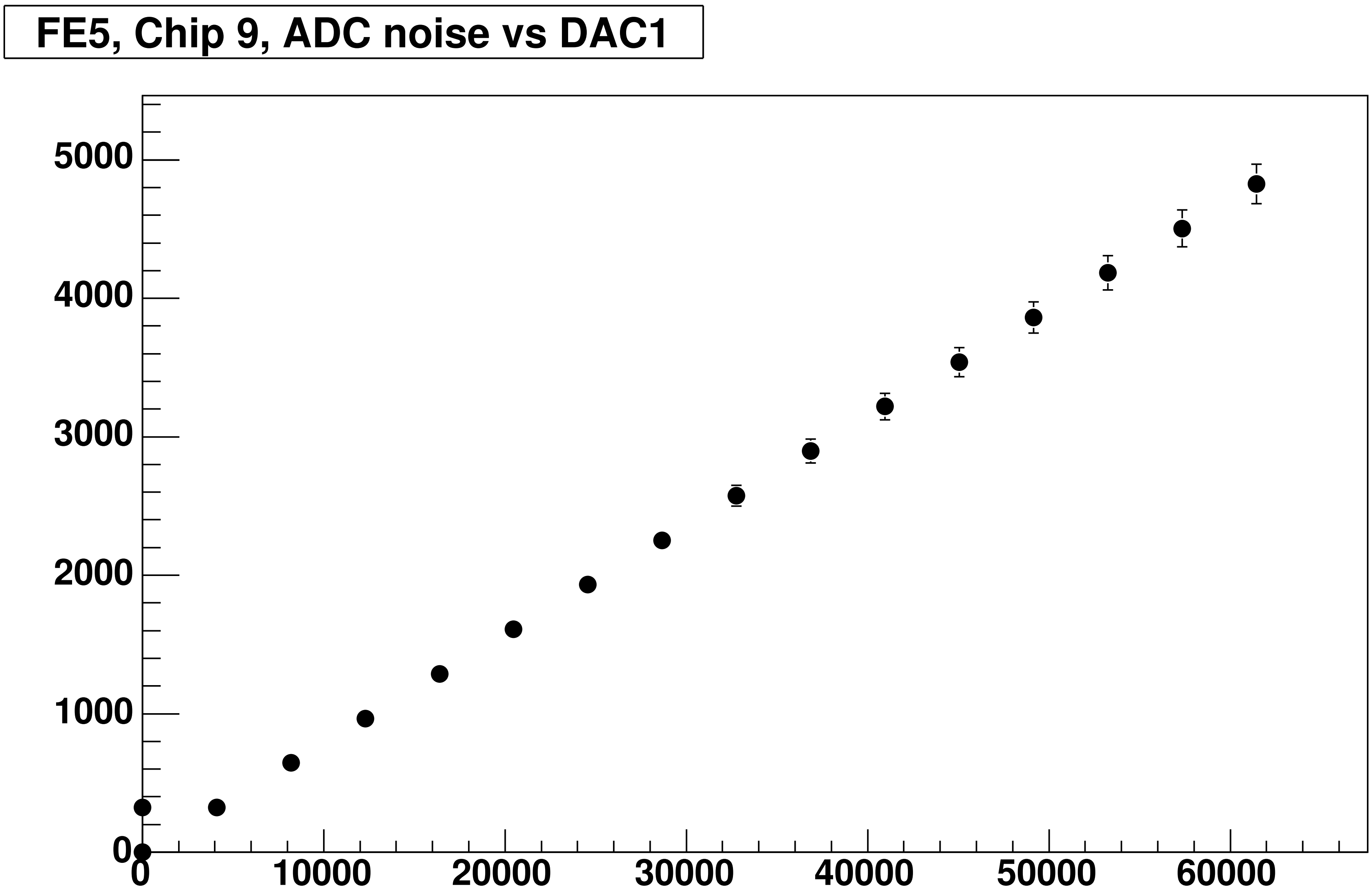

FE5, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

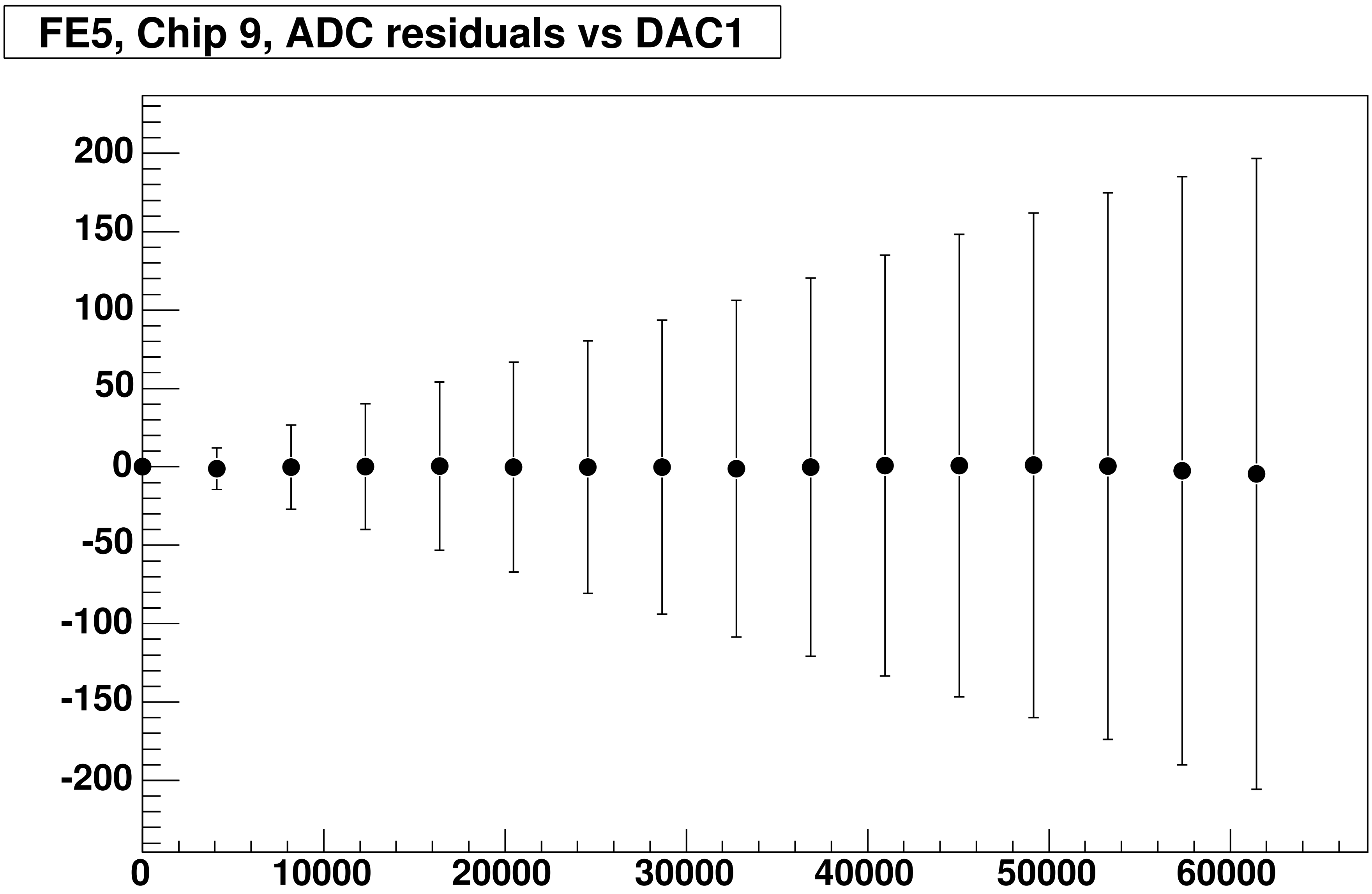

FE5, Chip 9, ADC mean vs DAC0
χ² / ndf 5.23e-05 / 11
p0 116.4 ± 41.97
p1 0.0141 ± 0.001892
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

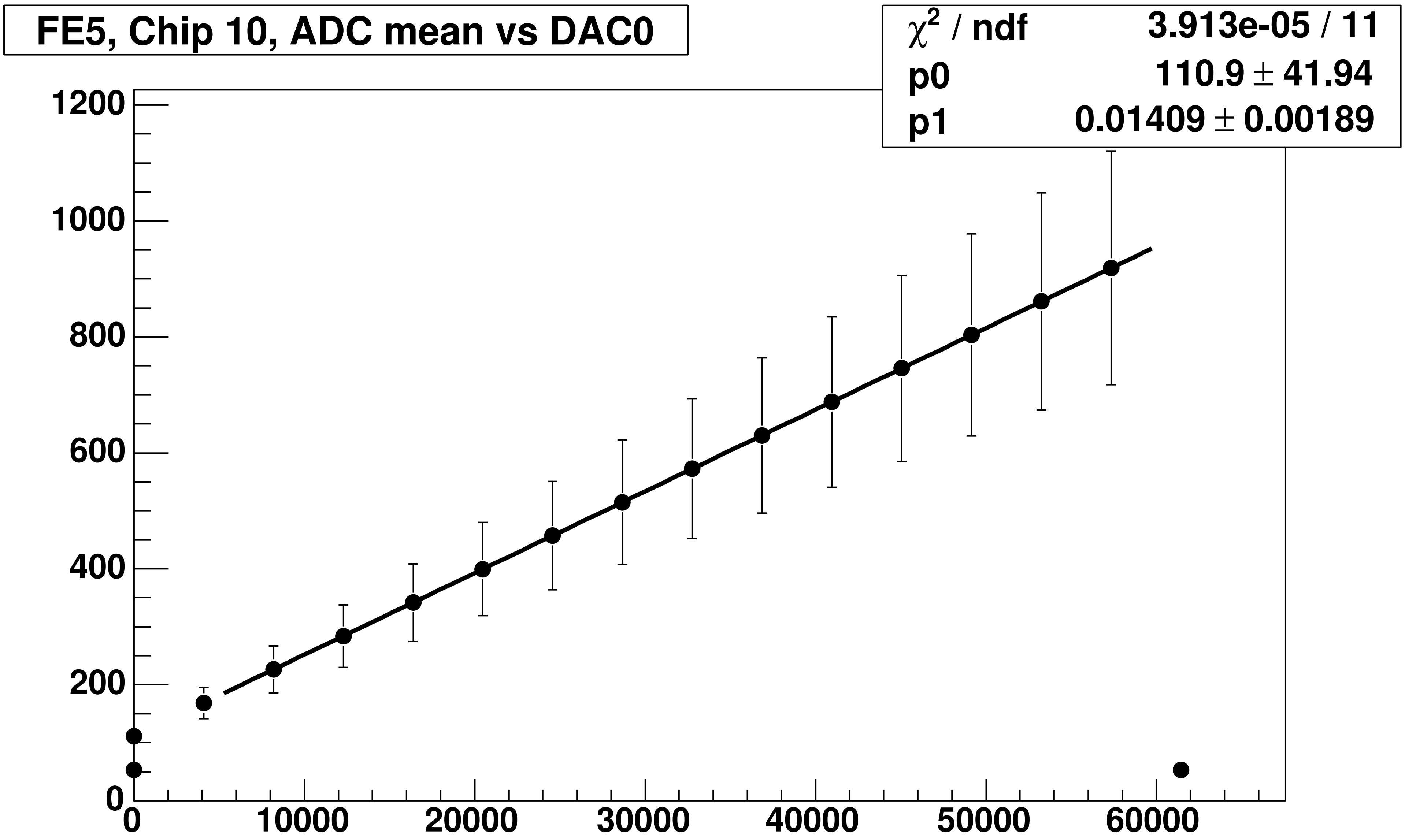

FE5, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

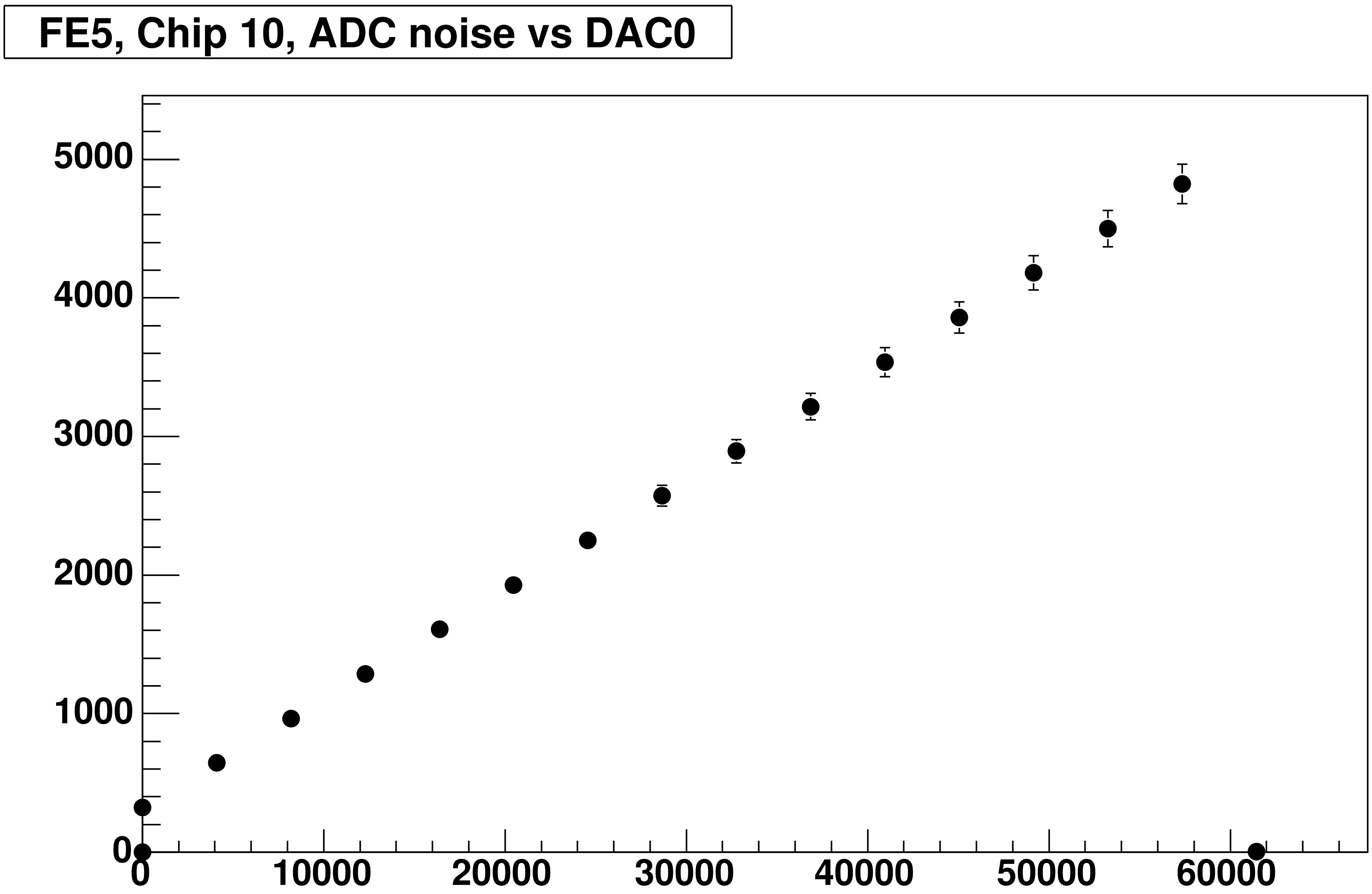

FE5, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0006031 / 11
p0 61.14 ± 31.1
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE5, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



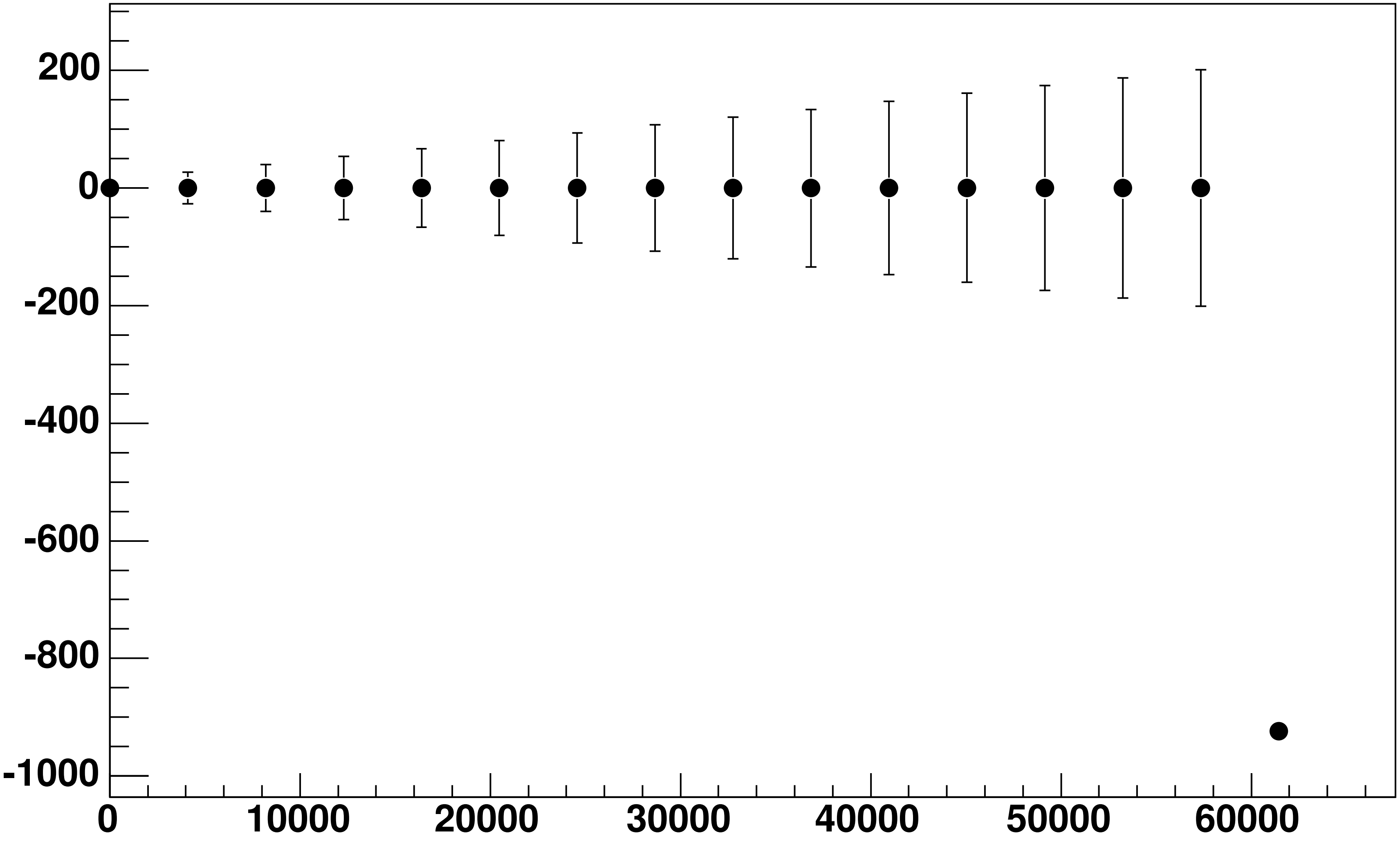
FE5, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

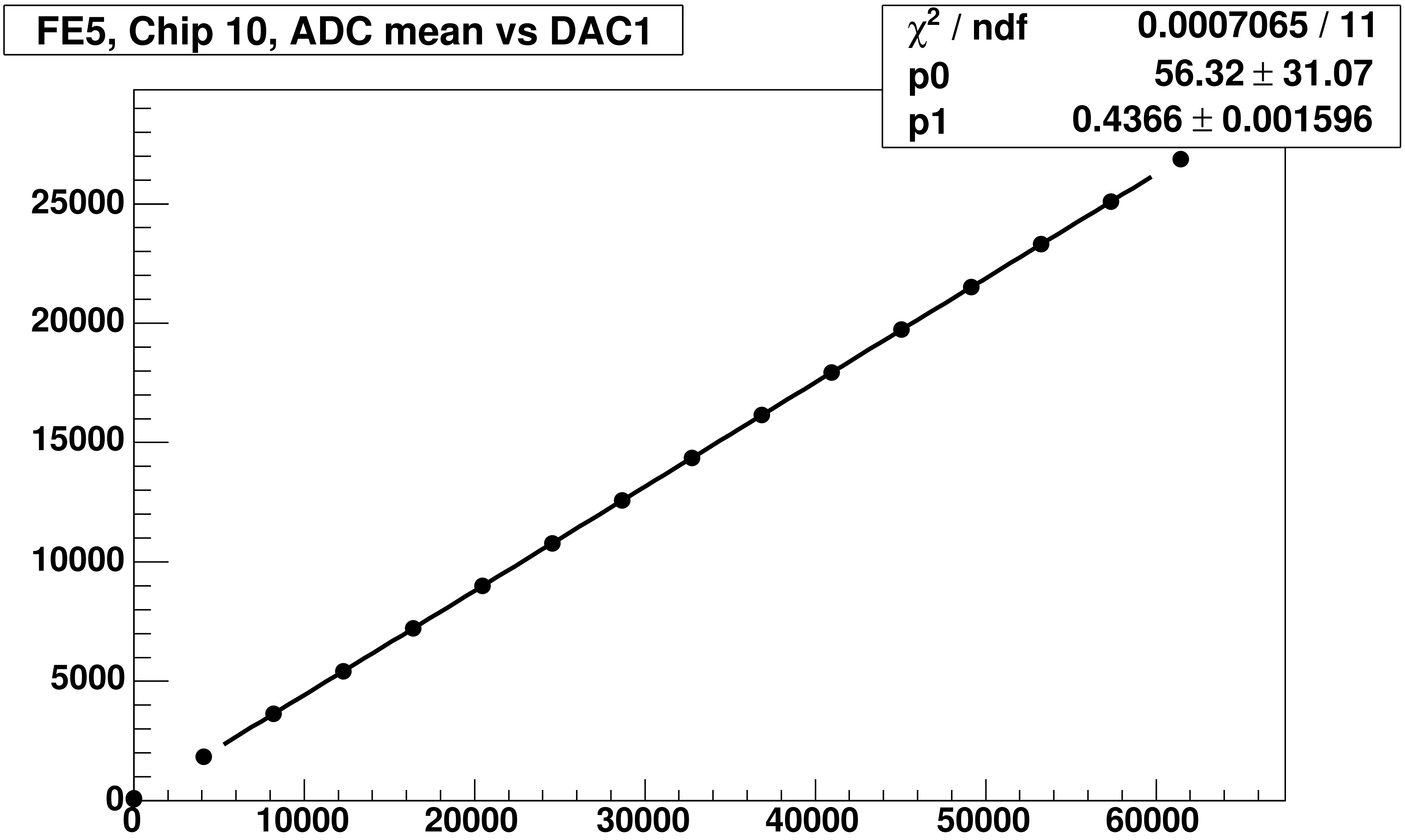

FE5, Chip 10, ADC mean vs DAC0
χ^2 / ndf 3.913e-05 / 11
p0 110.9 ± 41.94
p1 0.01409 ± 0.00189
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

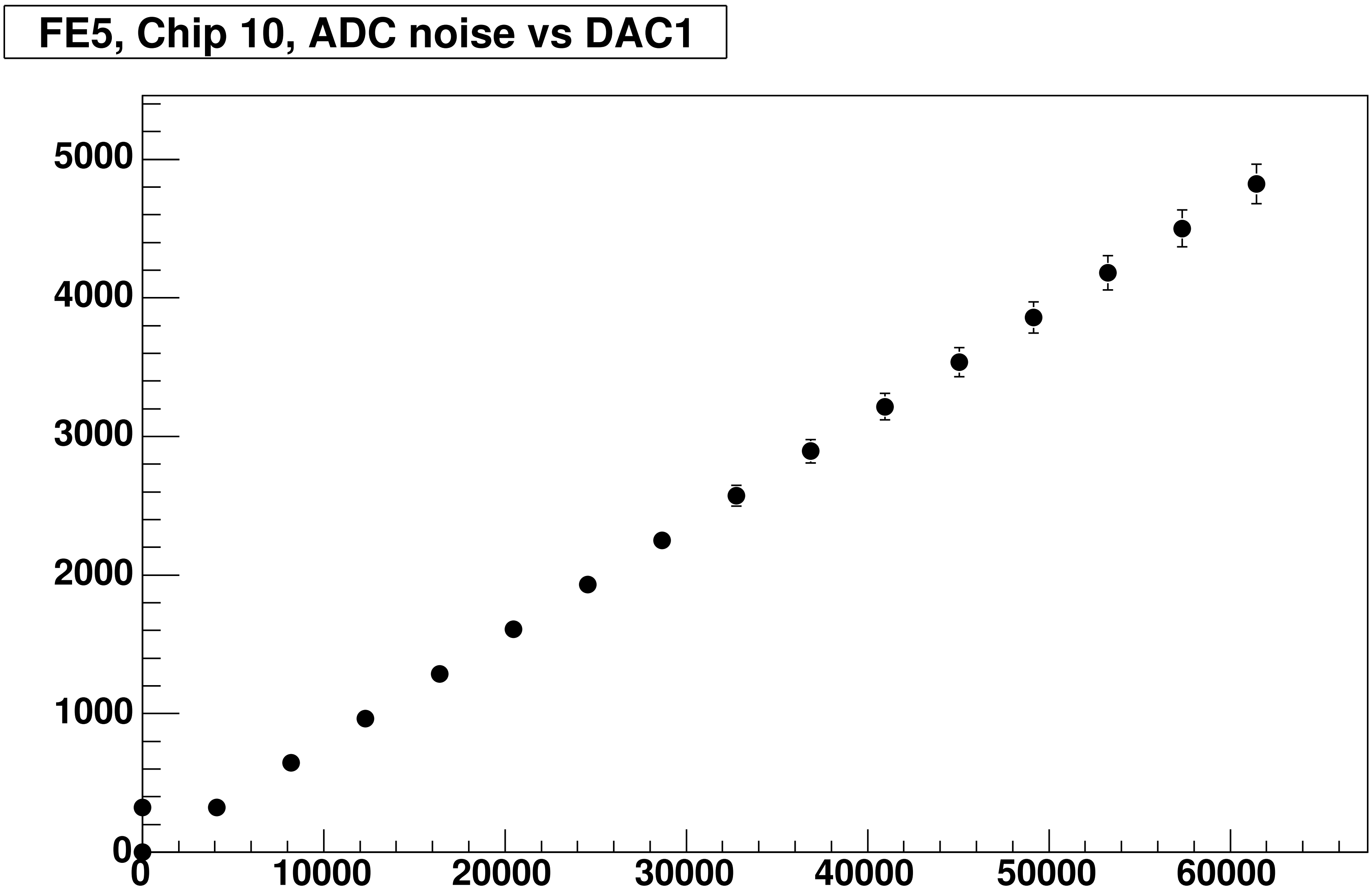


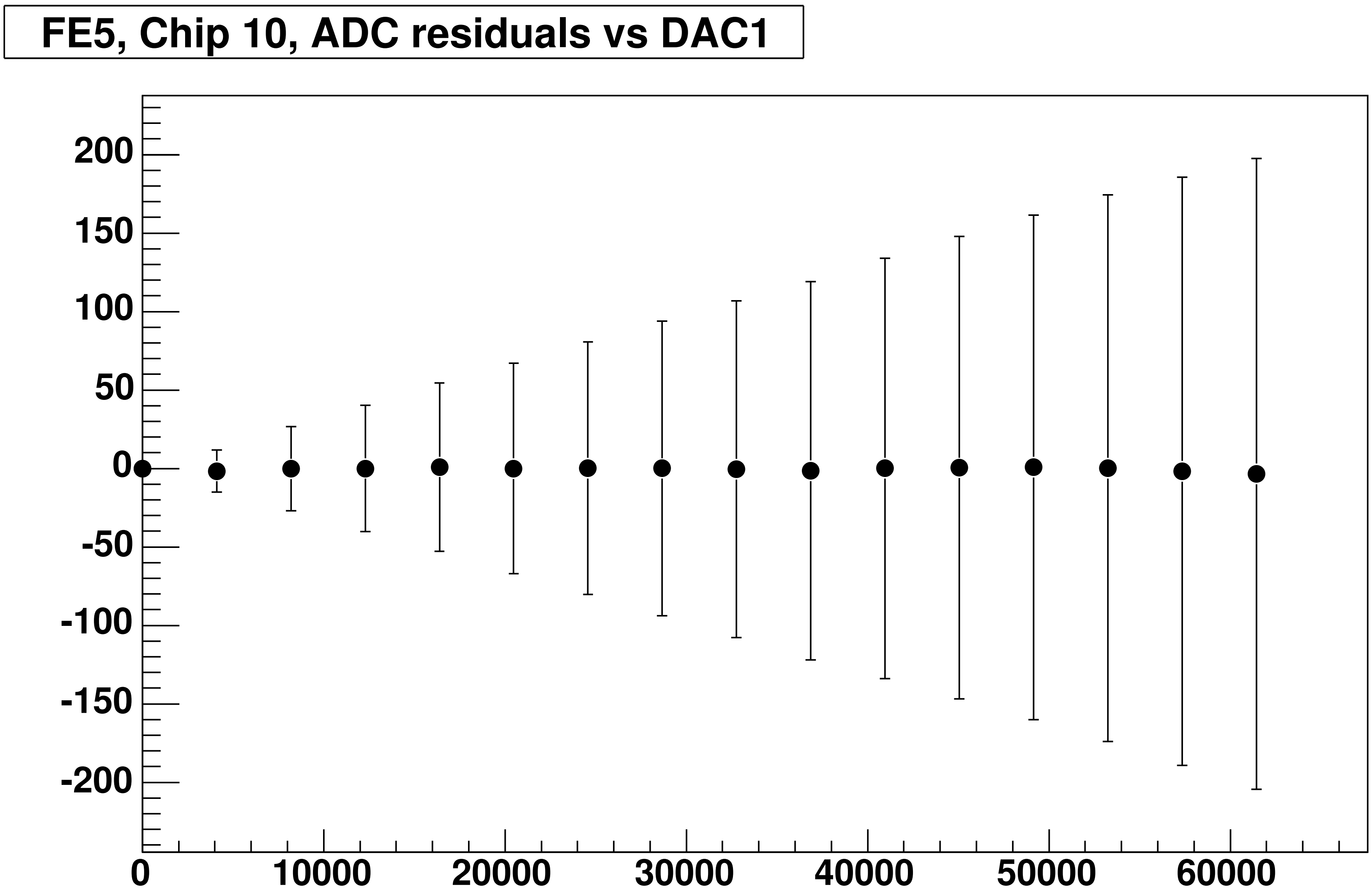
FE5, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

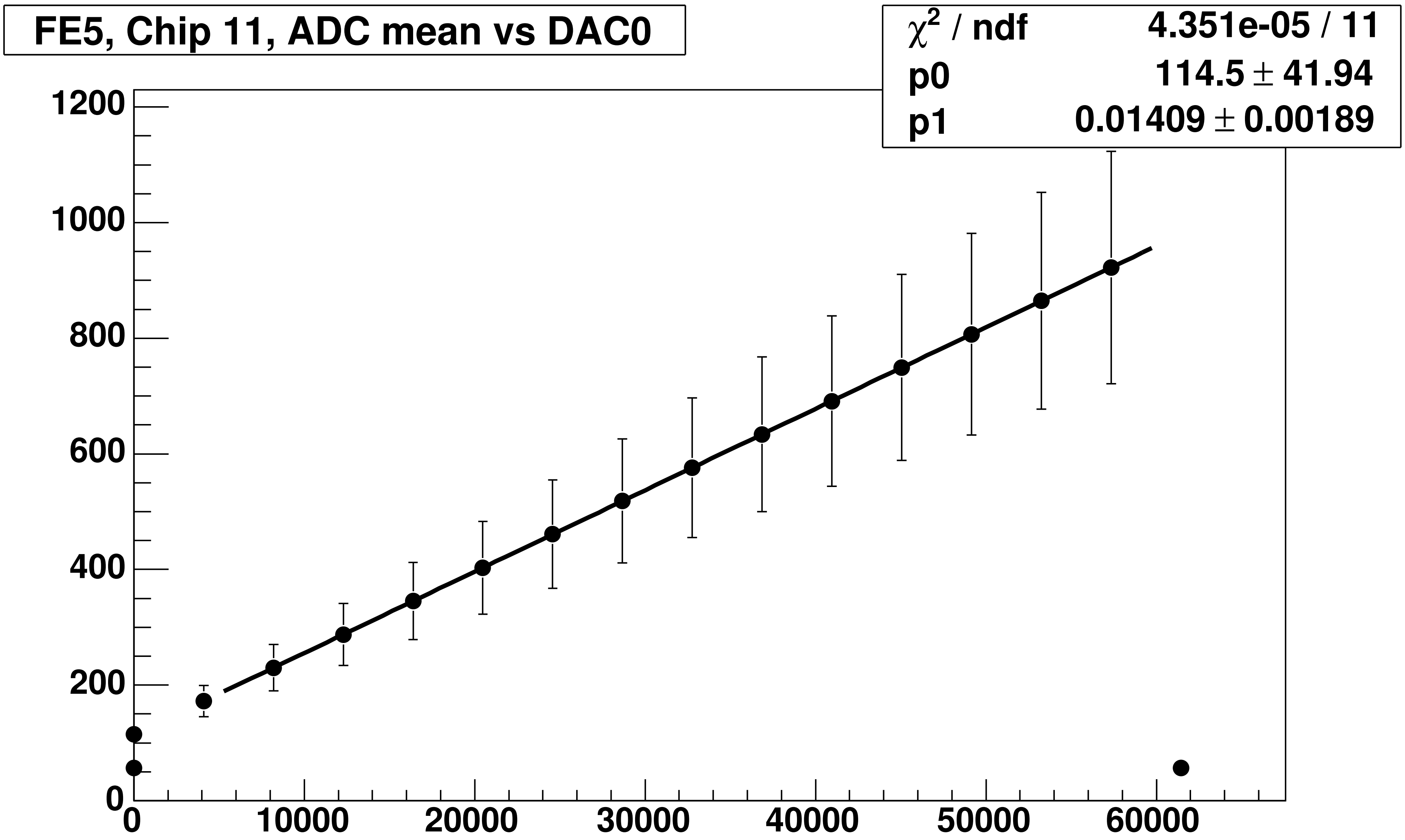
FE5, Chip 10, ADC residuals vs DAC0



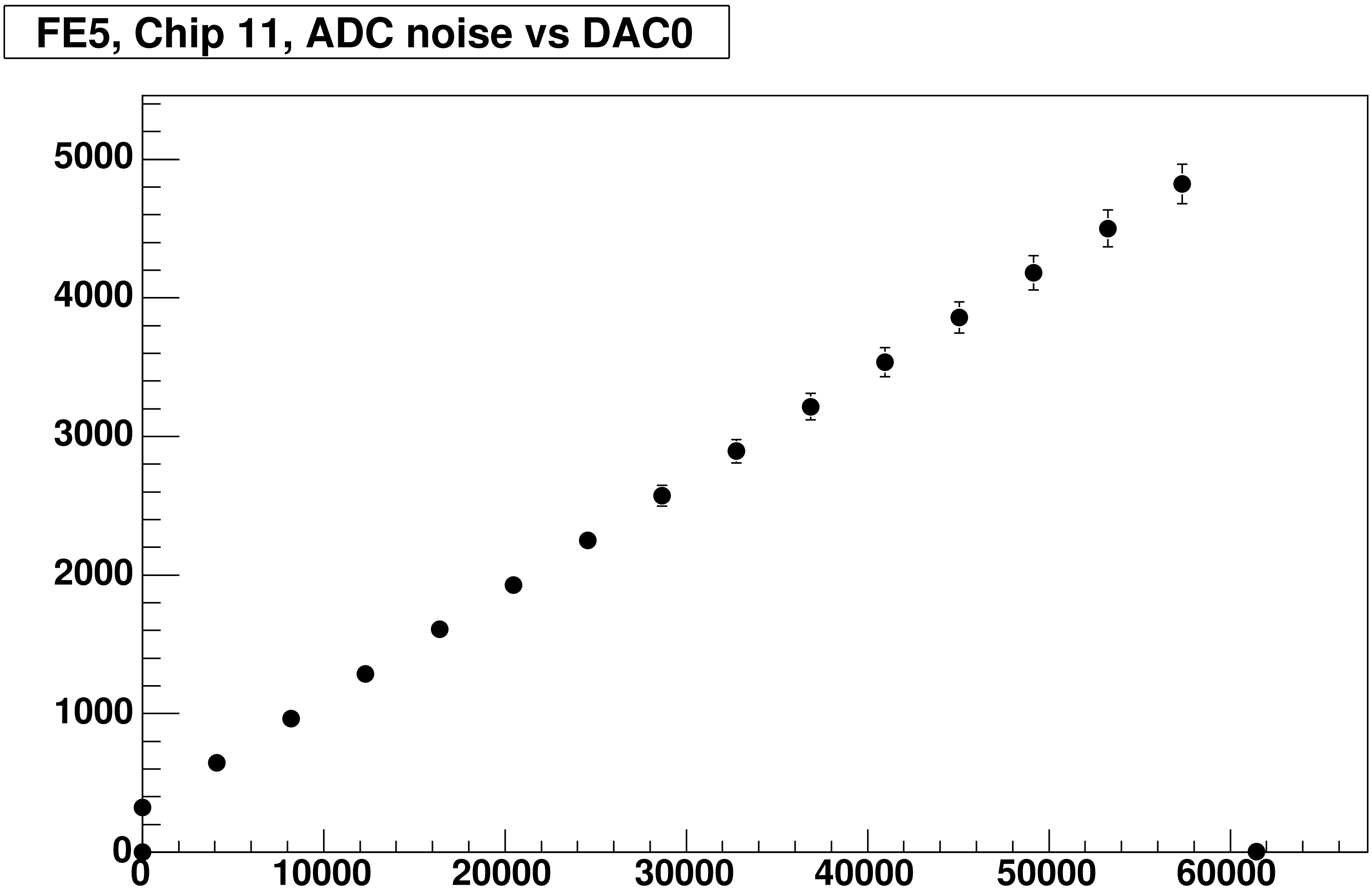

FE5, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0007065 / 11
p0 56.32 ± 31.07
p1 0.4366 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE5, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

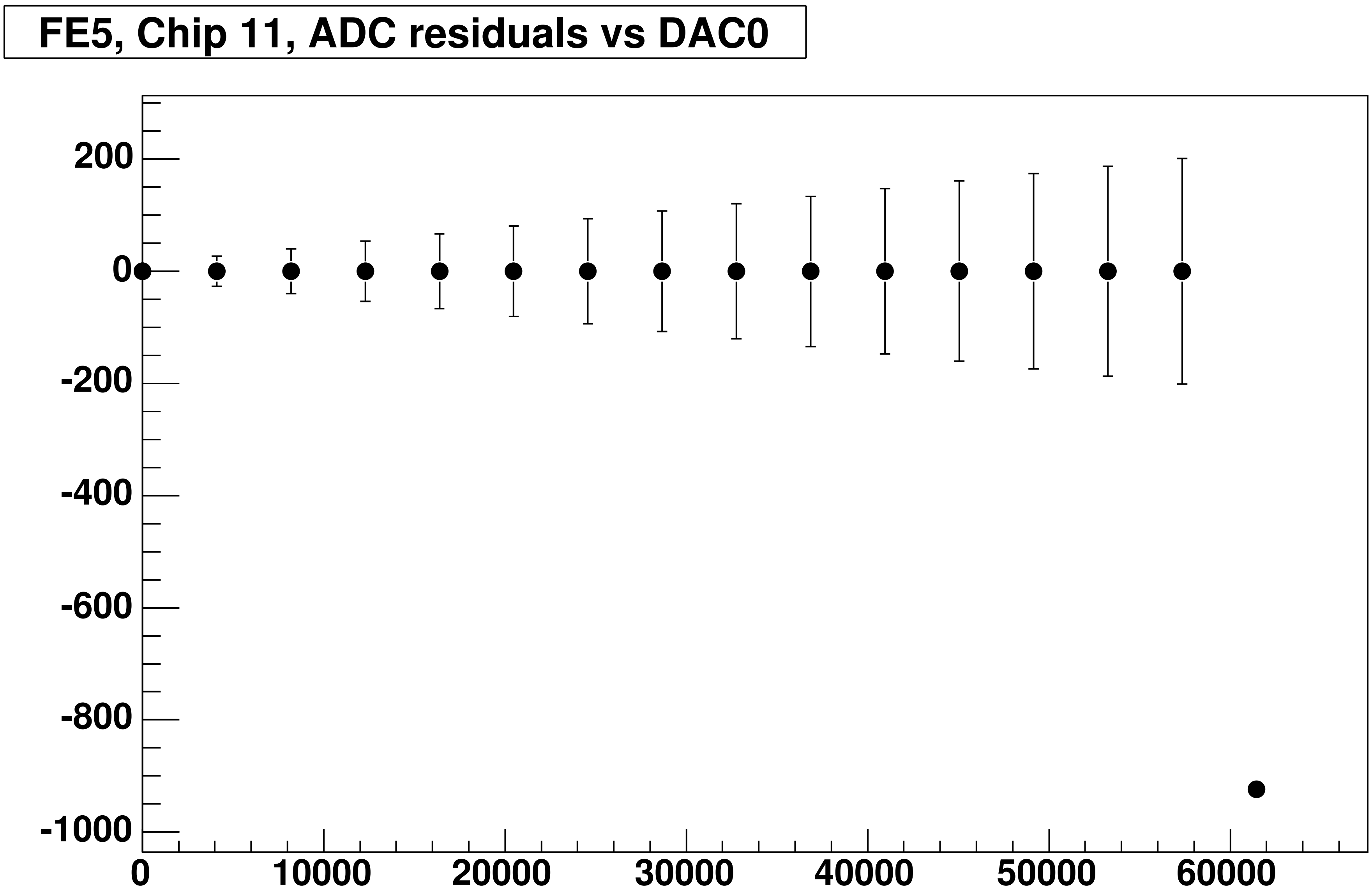

FE5, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

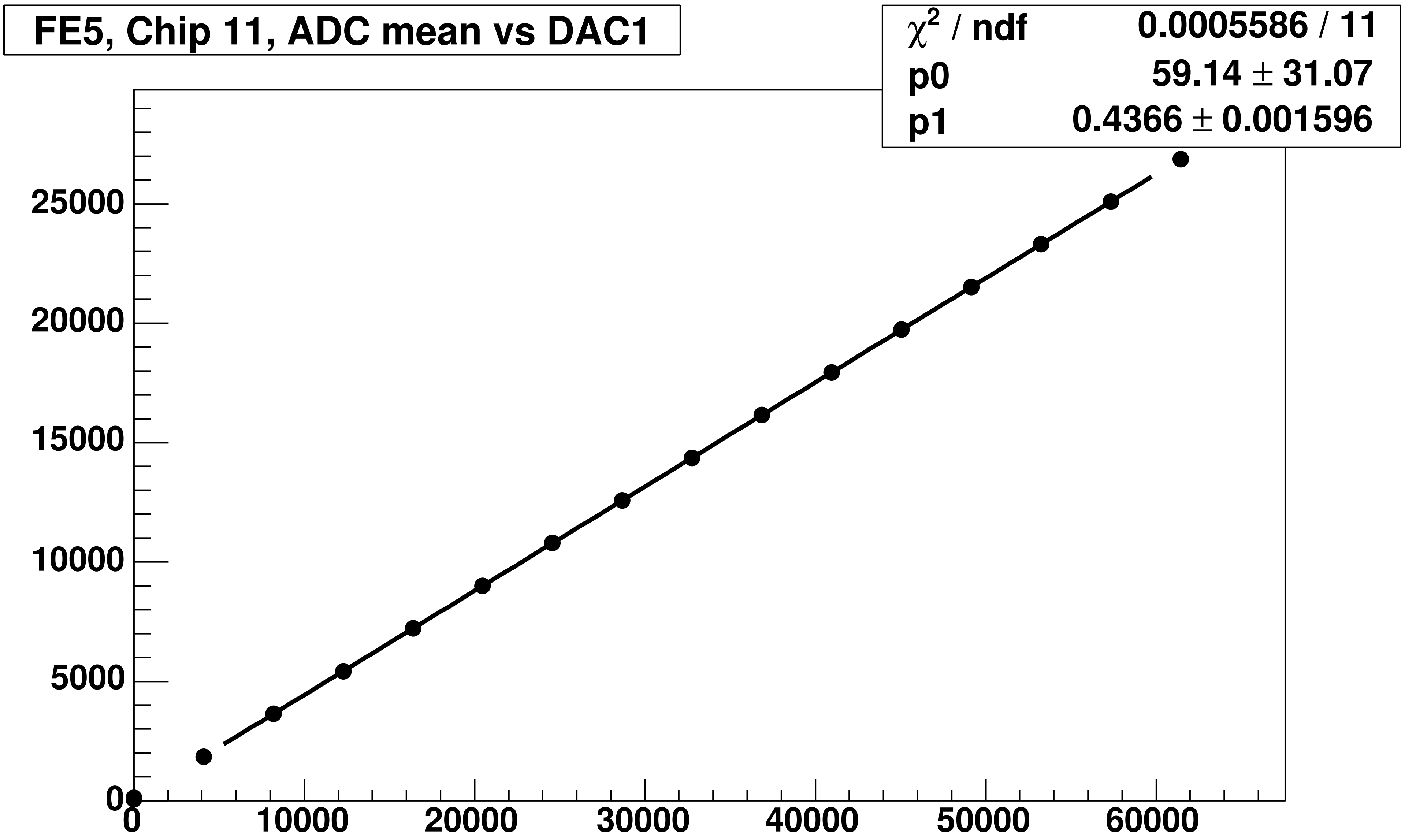


FE5, Chip 11, ADC mean vs DAC0
χ^2 / ndf 4.351e-05 / 11
p0 114.5 ± 41.94
p1 0.01409 ± 0.00189
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

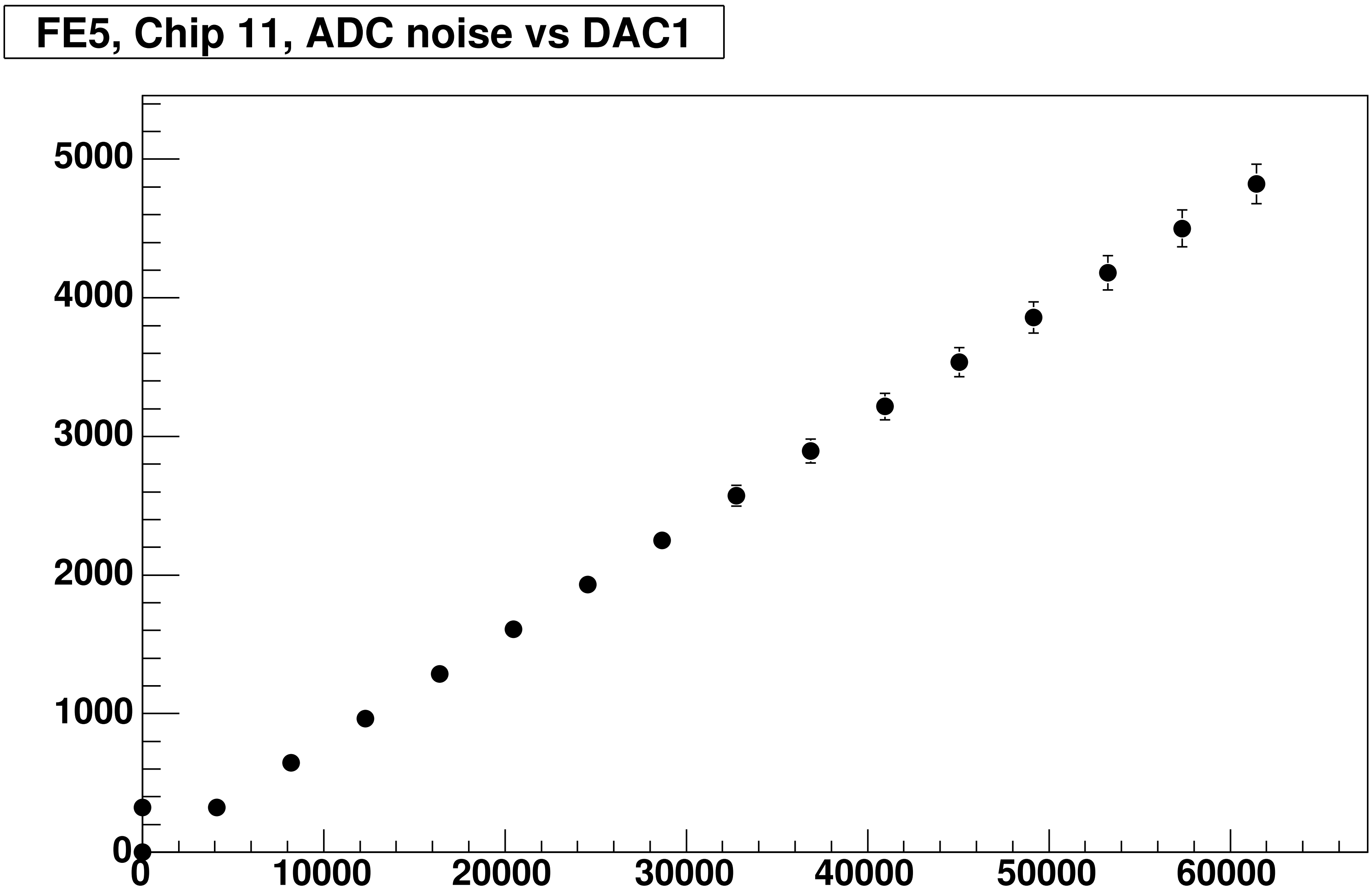


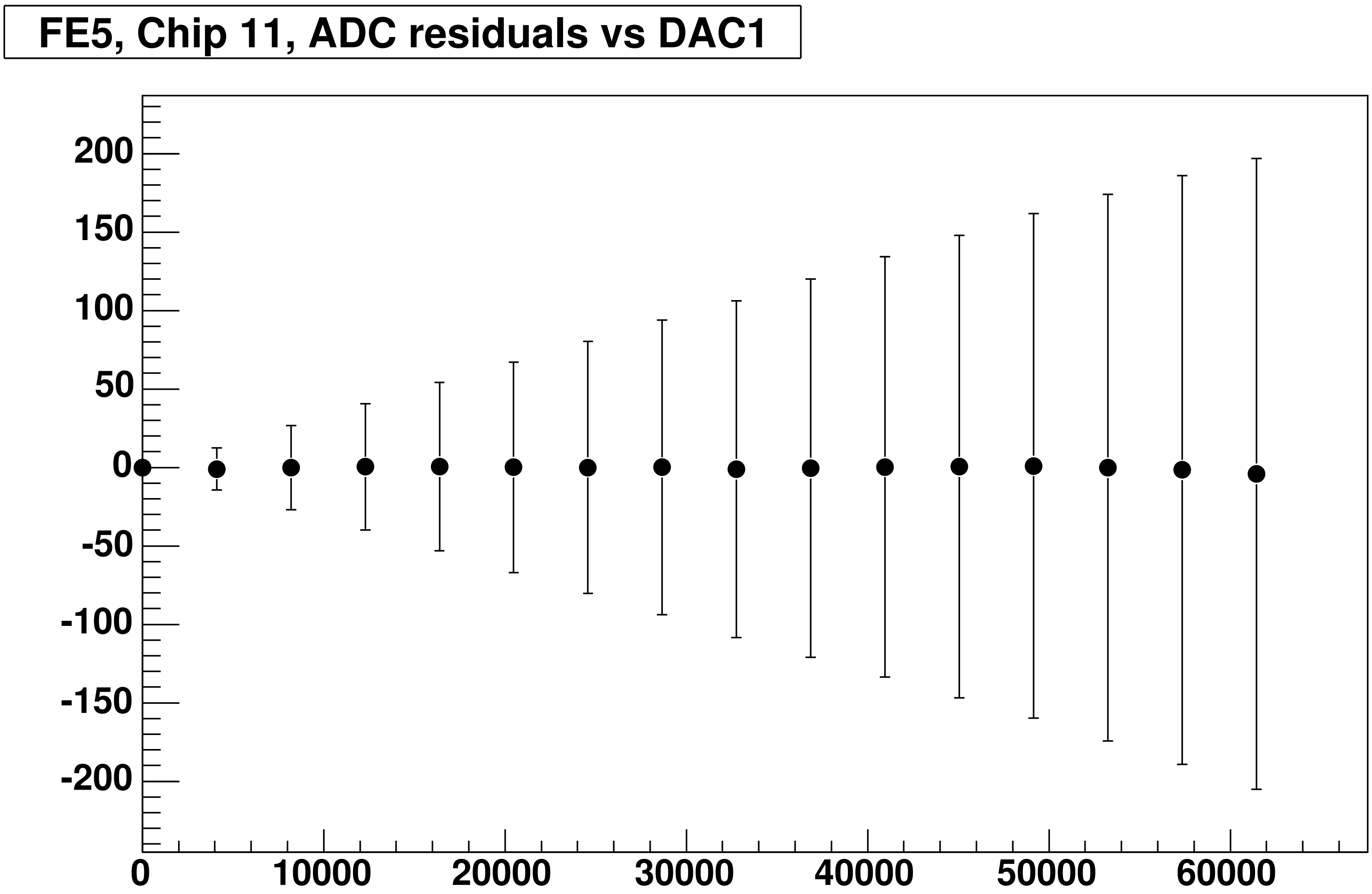
FE5, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

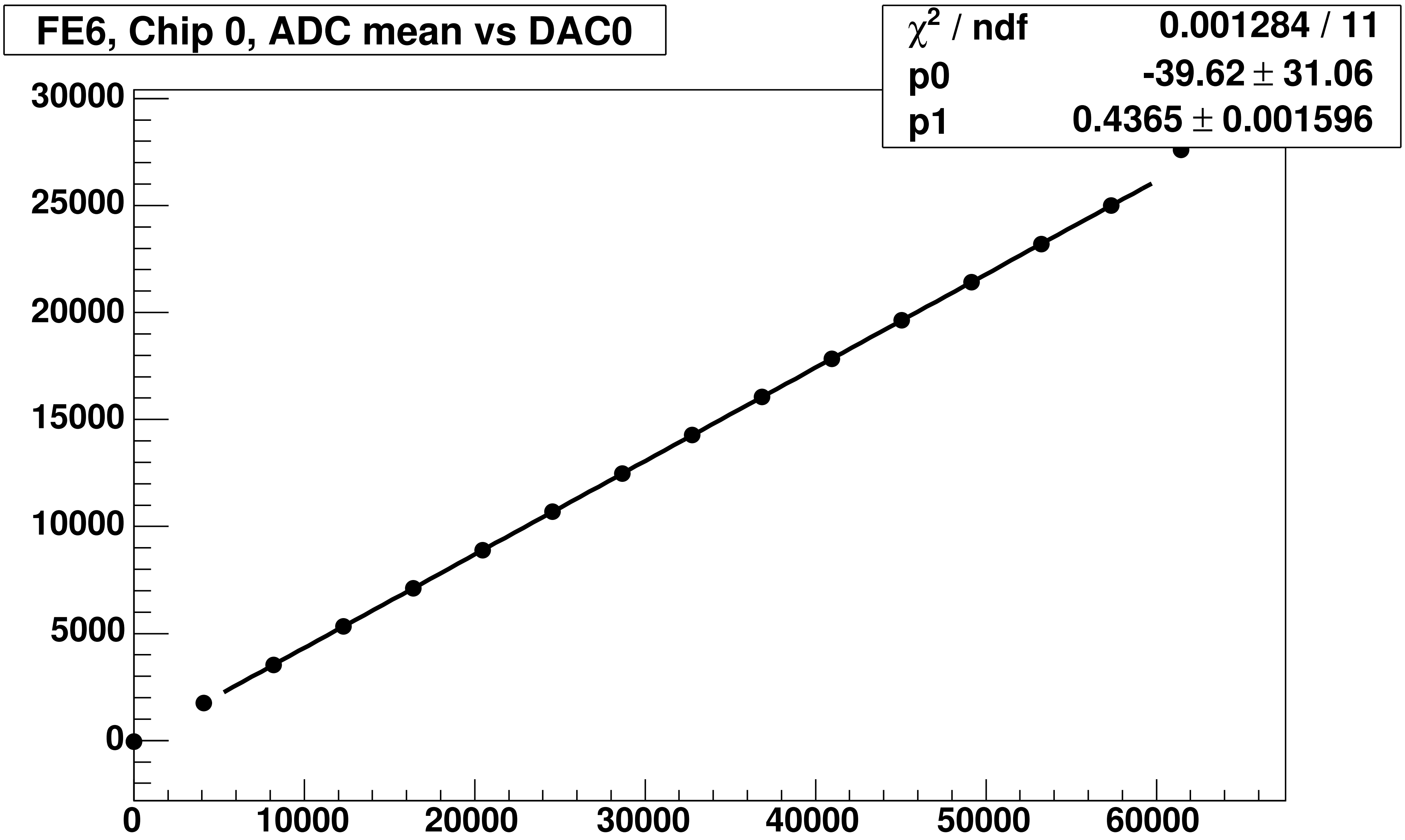

FE5, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

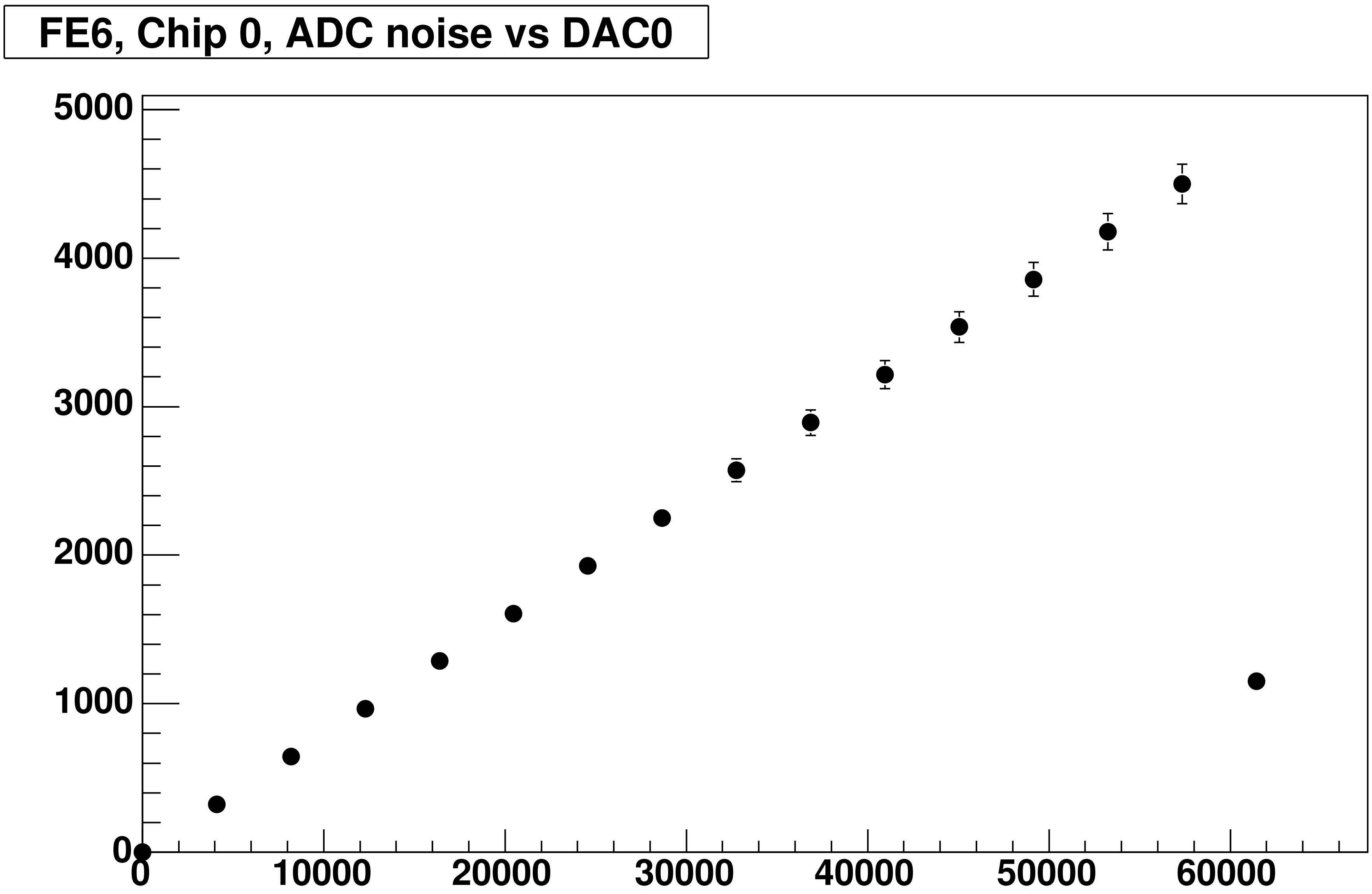


FE5, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0005586 / 11
p0 59.14 ± 31.07
p1 0.4366 ± 0.001596
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

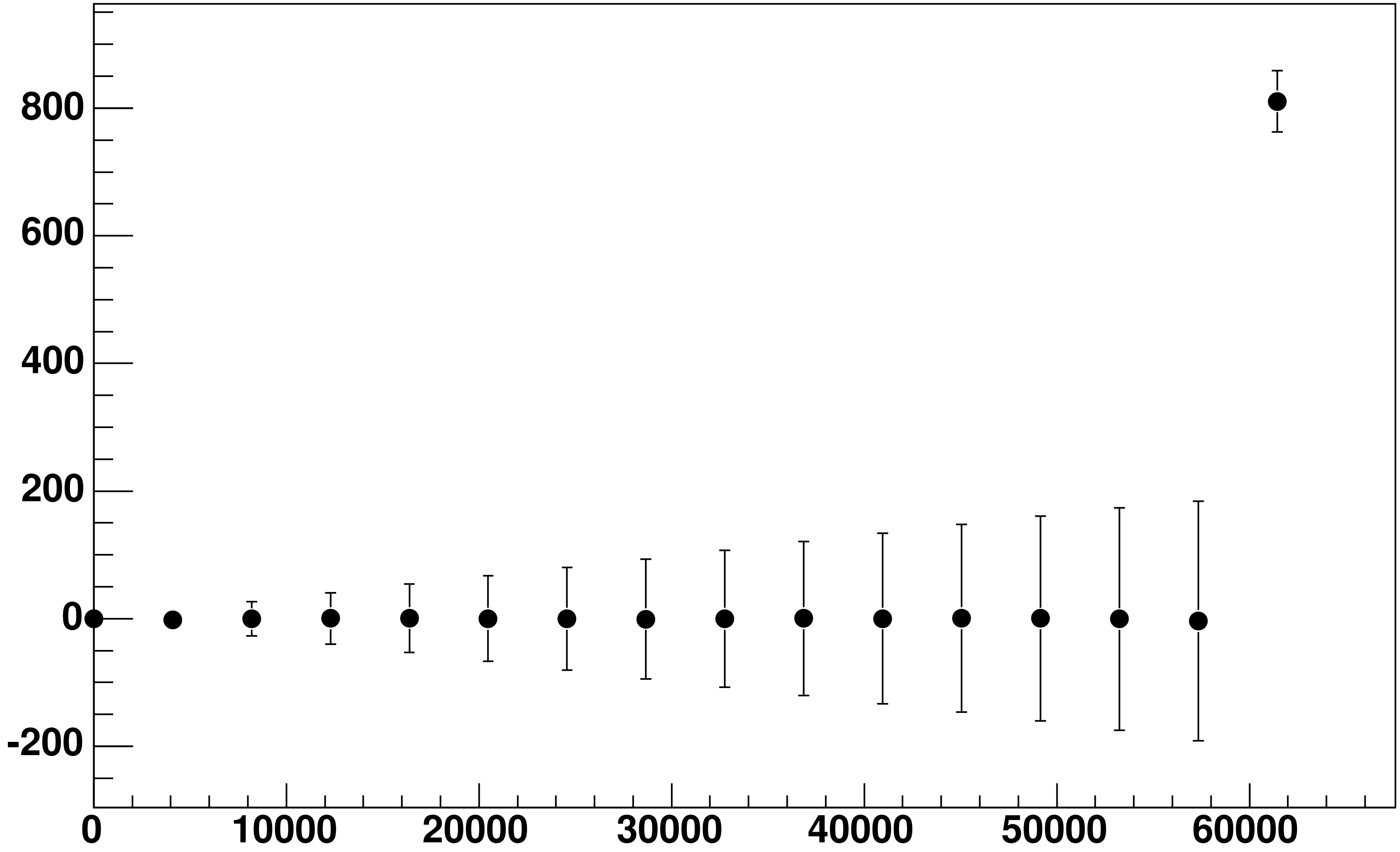

FE5, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

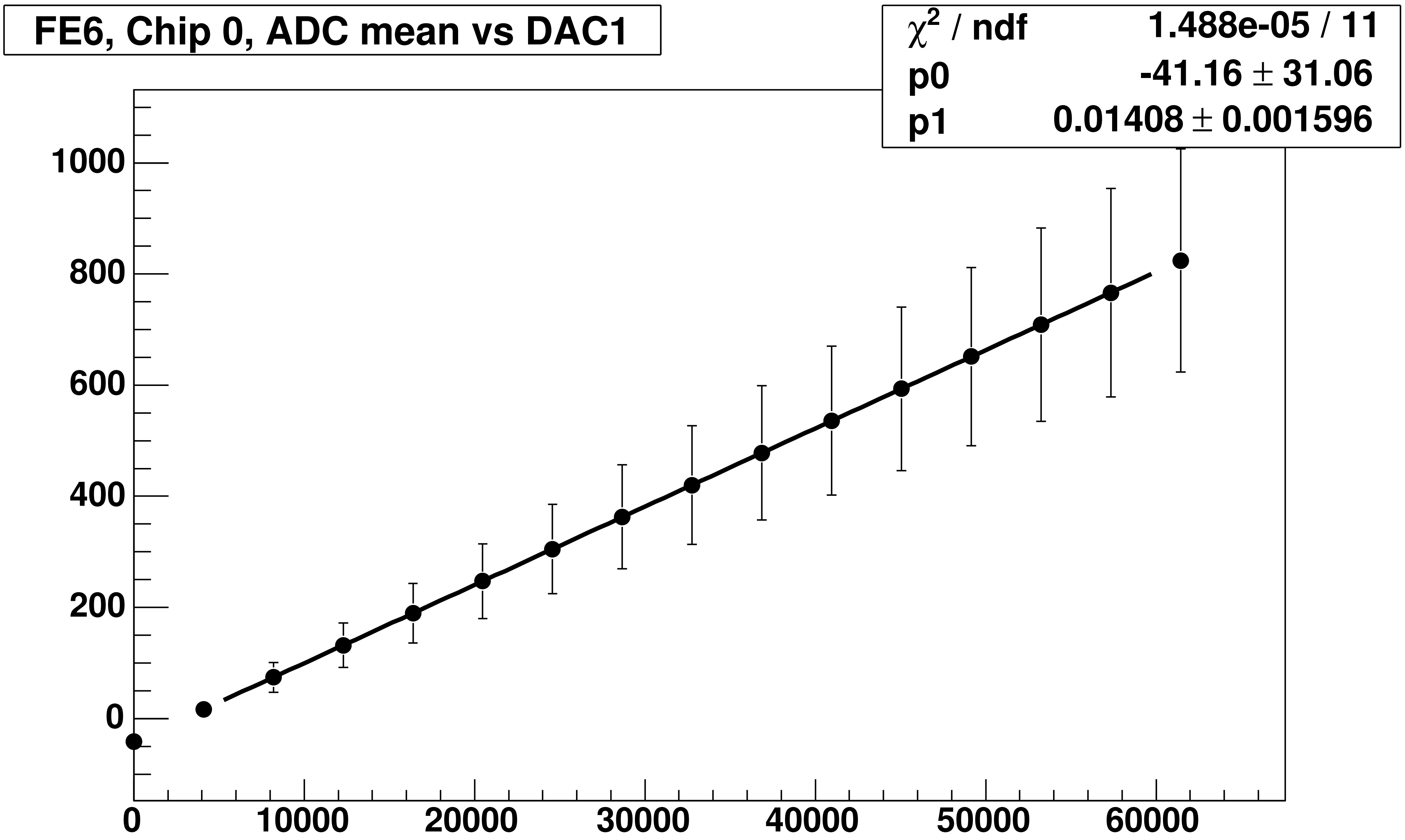

FE6, Chip 0, ADC mean vs DAC0
χ2 / ndf 0.001284 / 11
p0 -39.62 ± 31.06
p1 0.4365 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

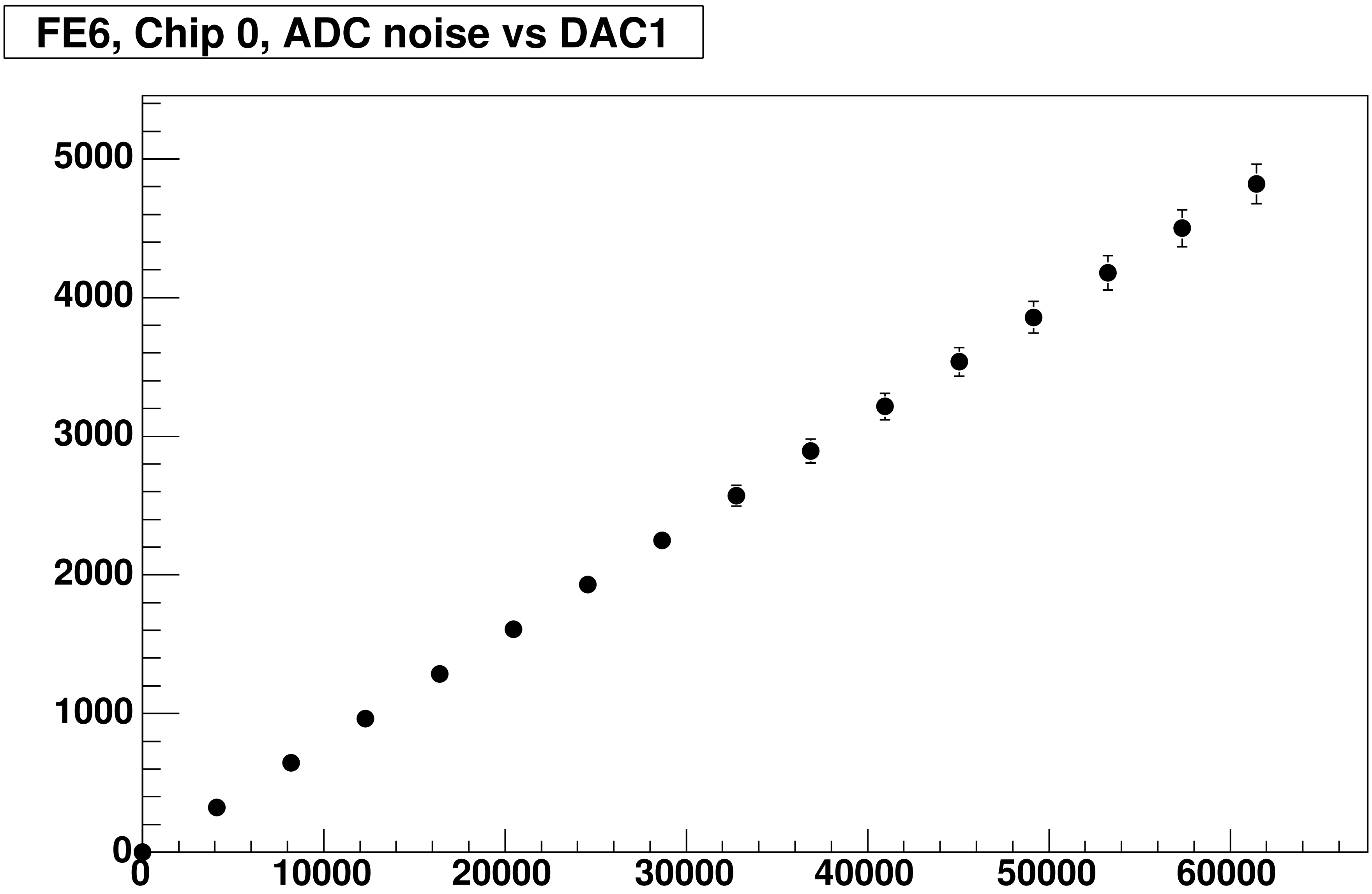


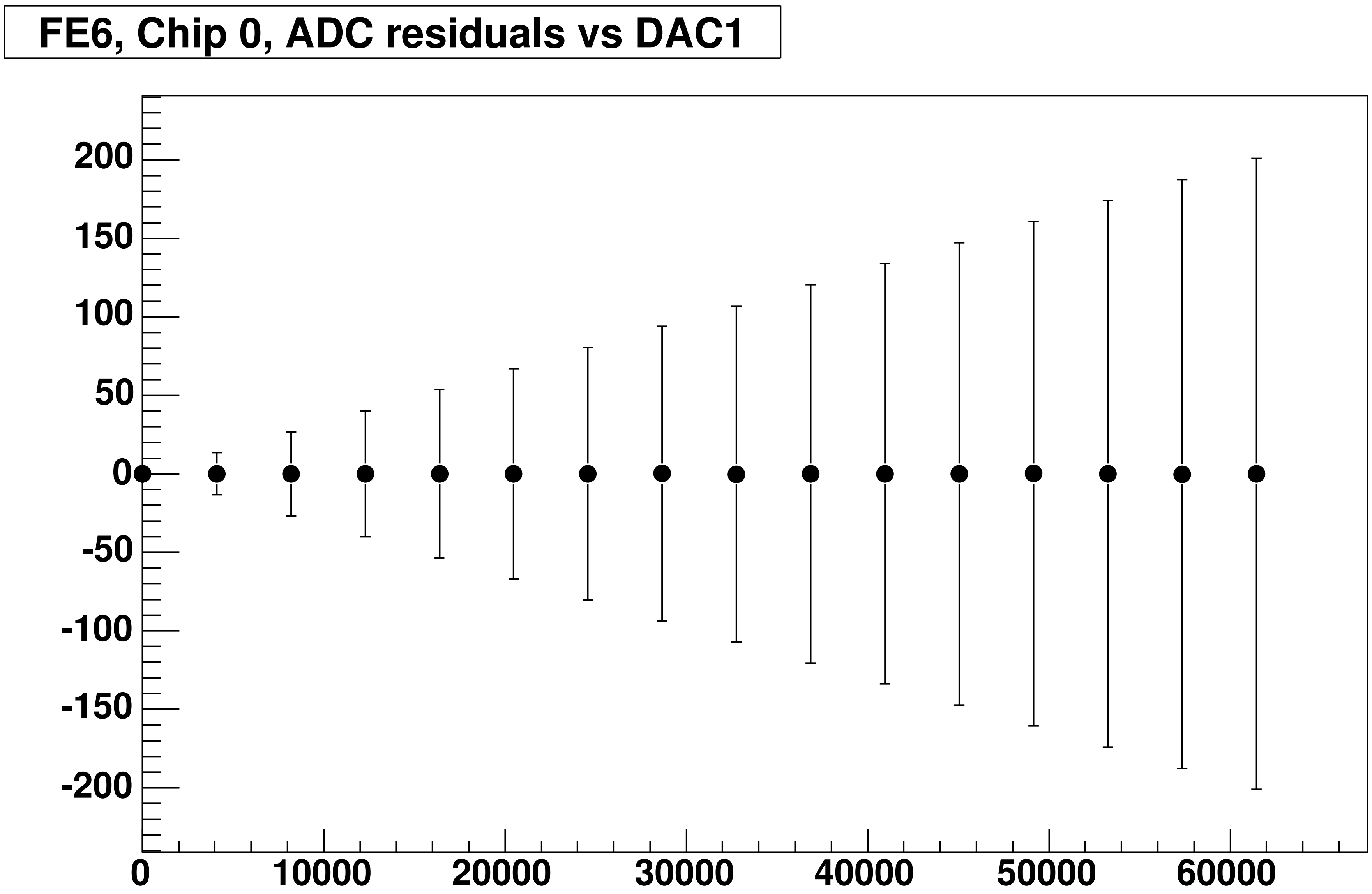
FE6, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

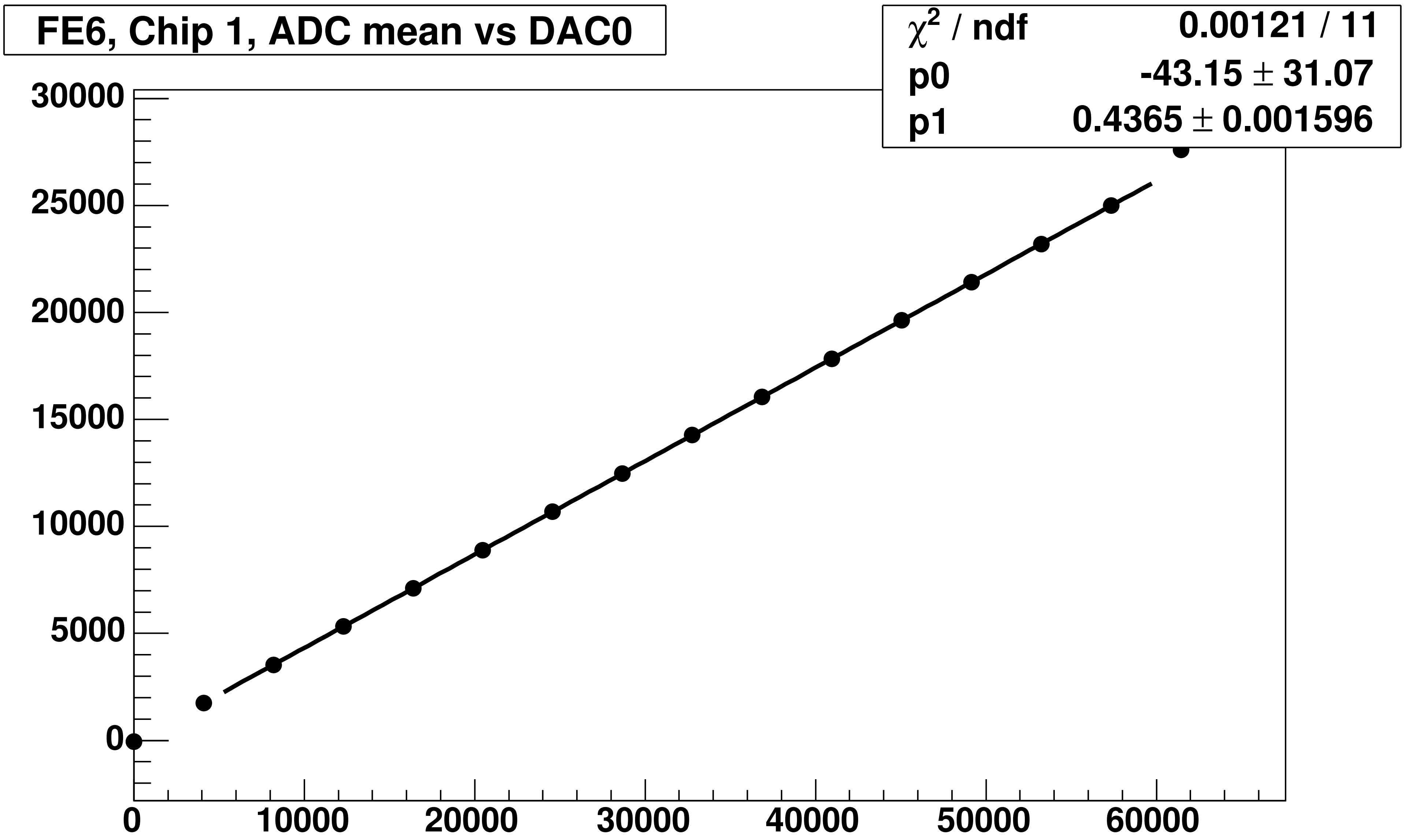
FE6, Chip 0, ADC residuals vs DAC0



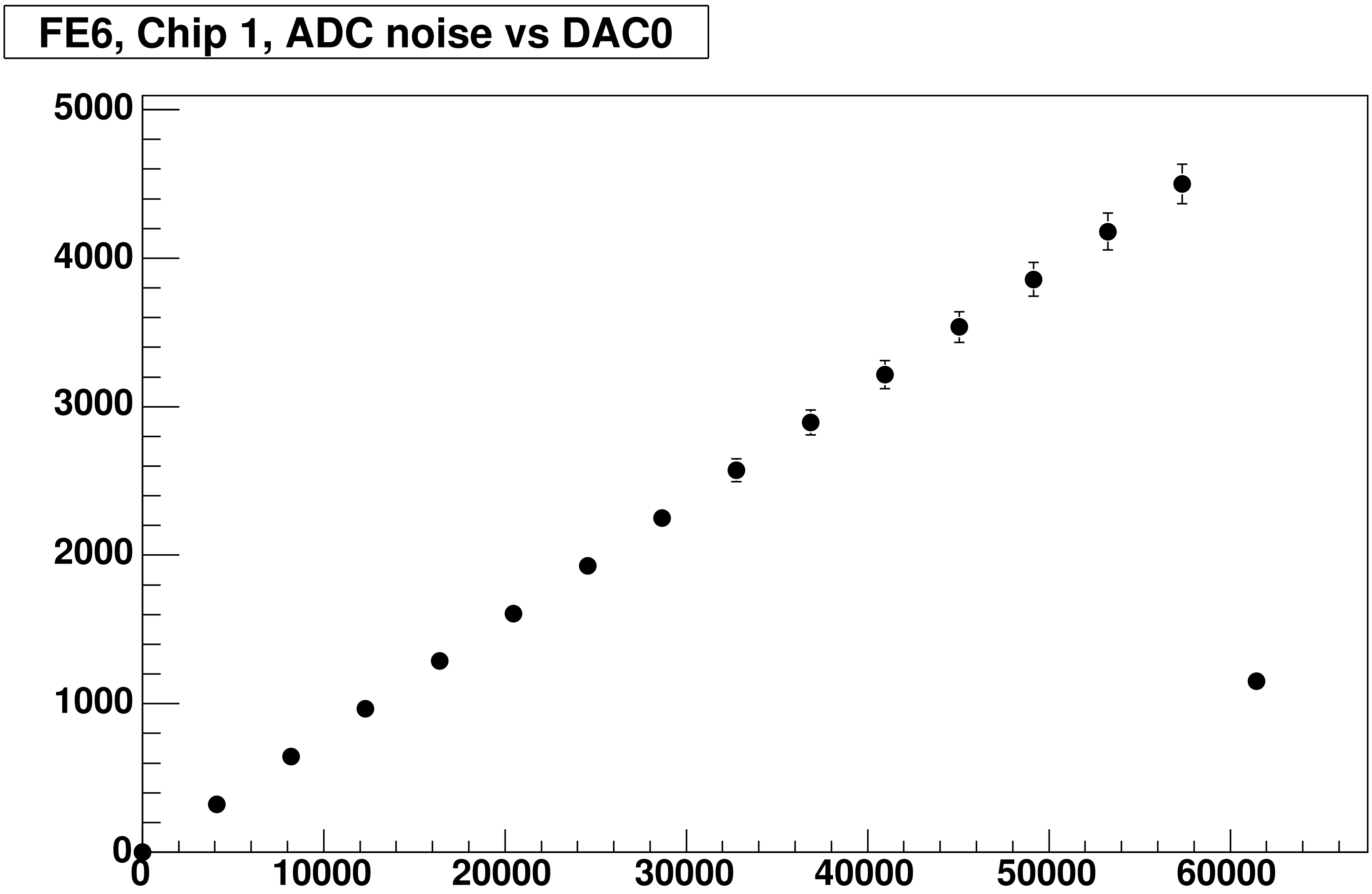

FE6, Chip 0, ADC mean vs DAC1
χ2 / ndf 1.488e-05 / 11
p0 -41.16 ± 31.06
p1 0.01408 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

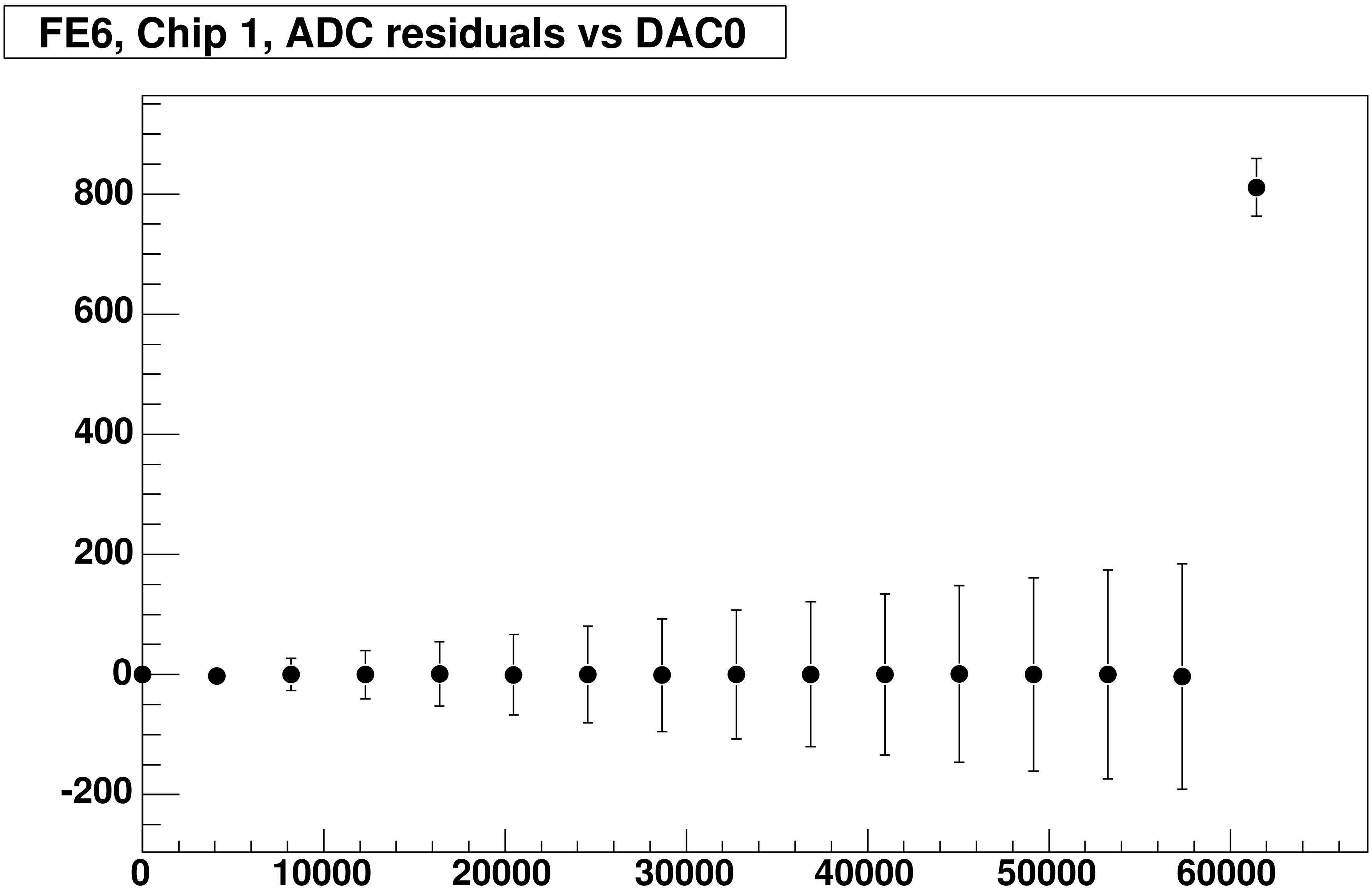

FE6, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

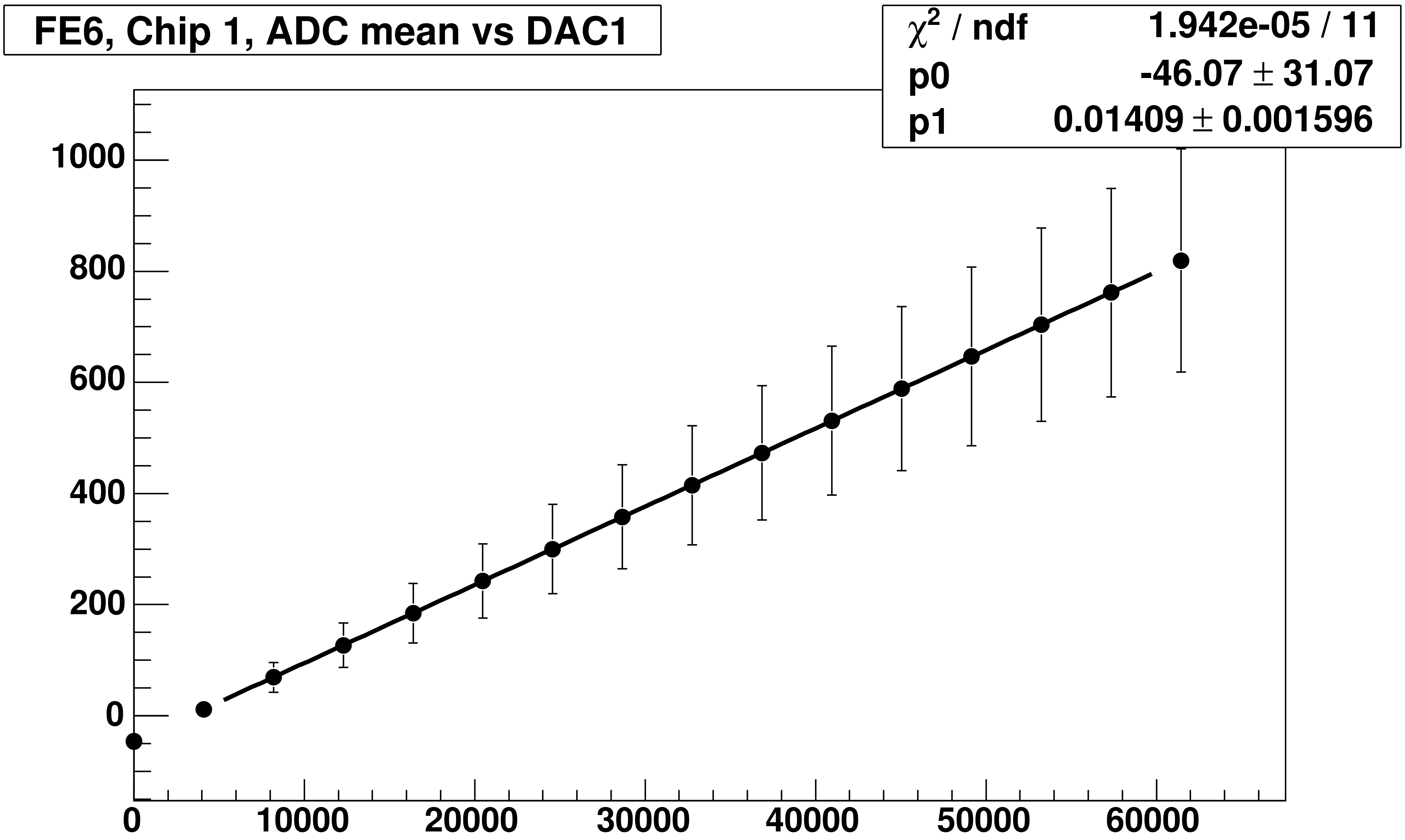

FE6, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

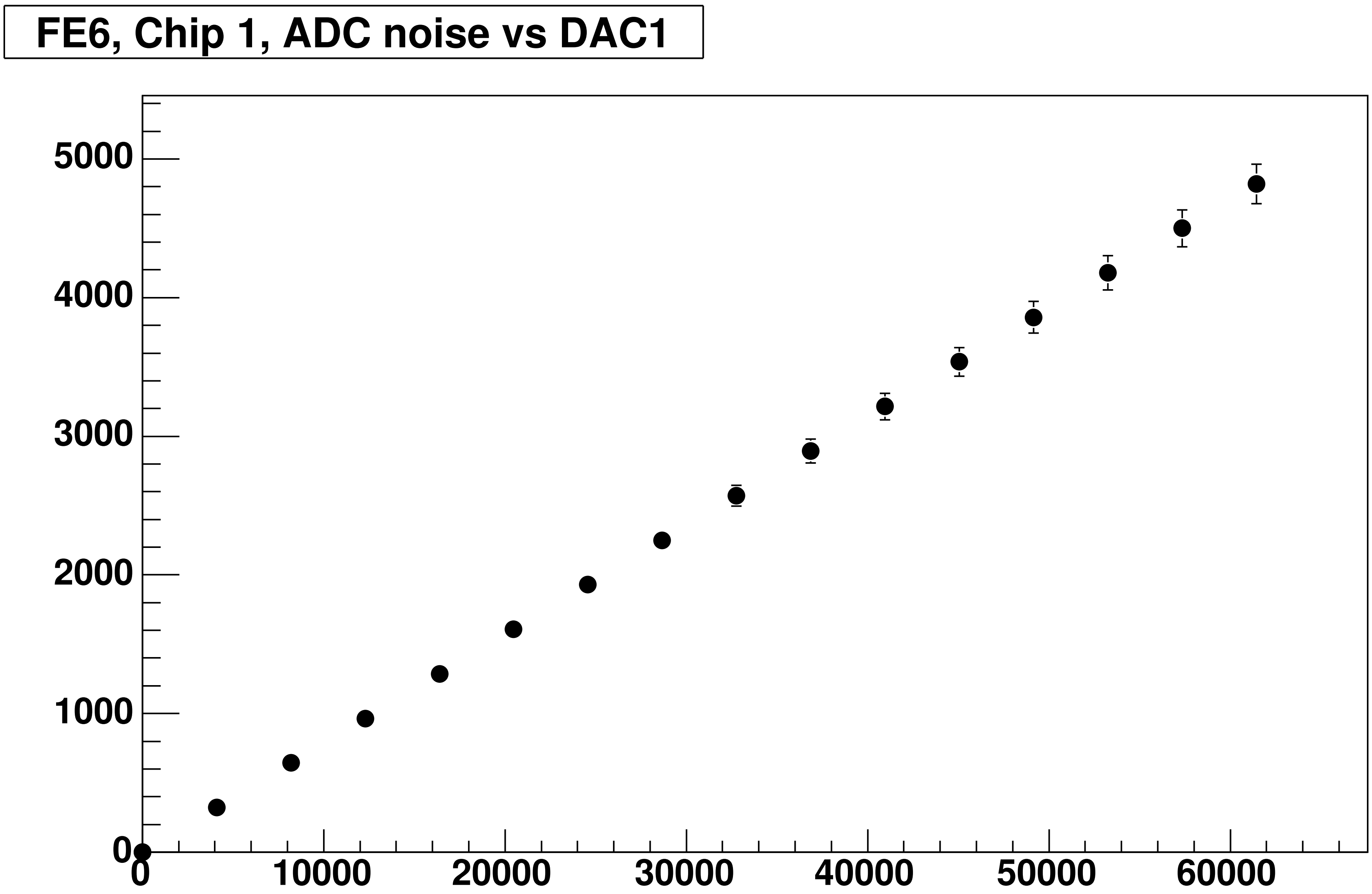


FE6, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.00121 / 11
p0 -43.15 ± 31.07
p1 0.4365 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

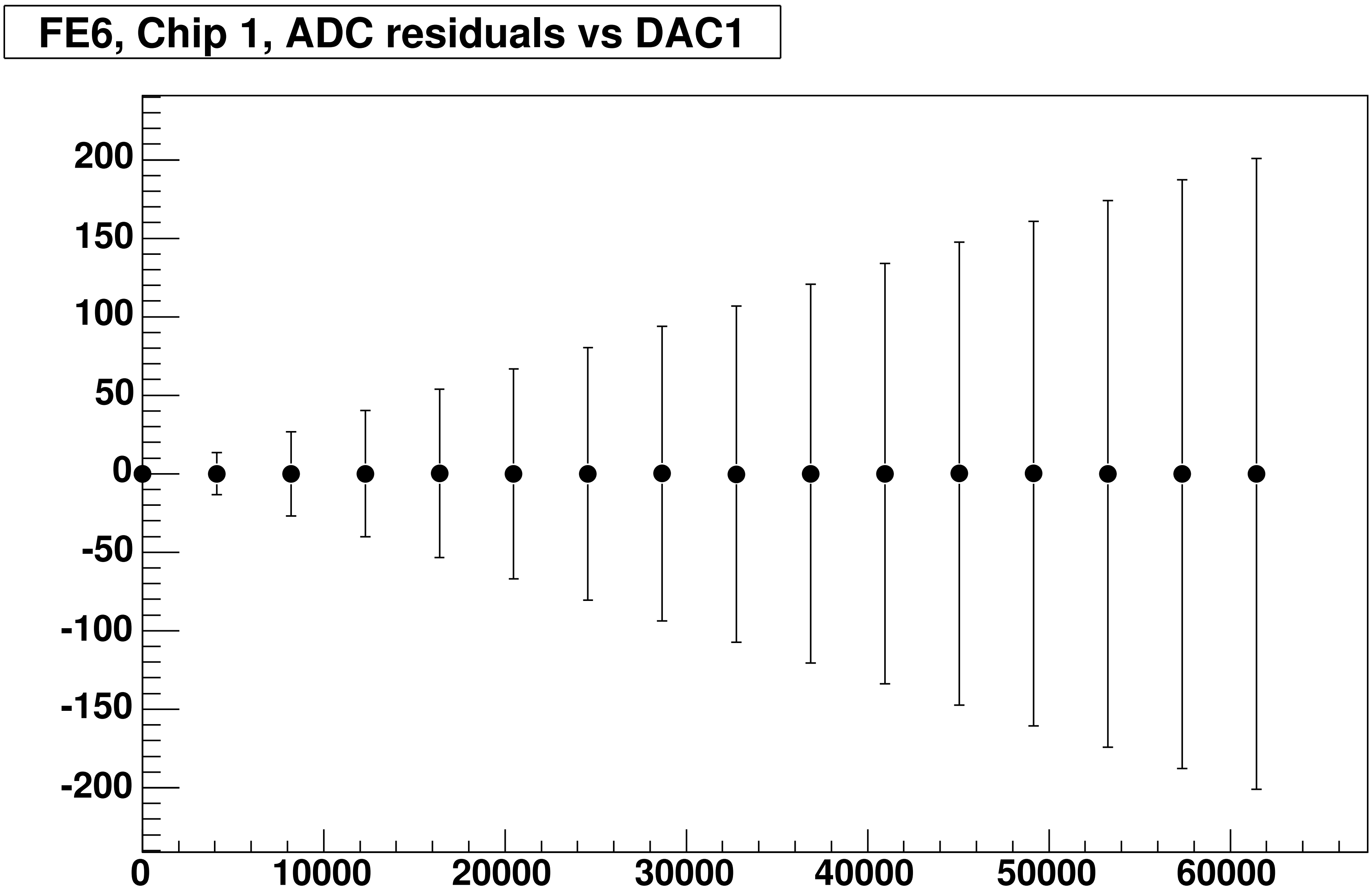

FE6, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

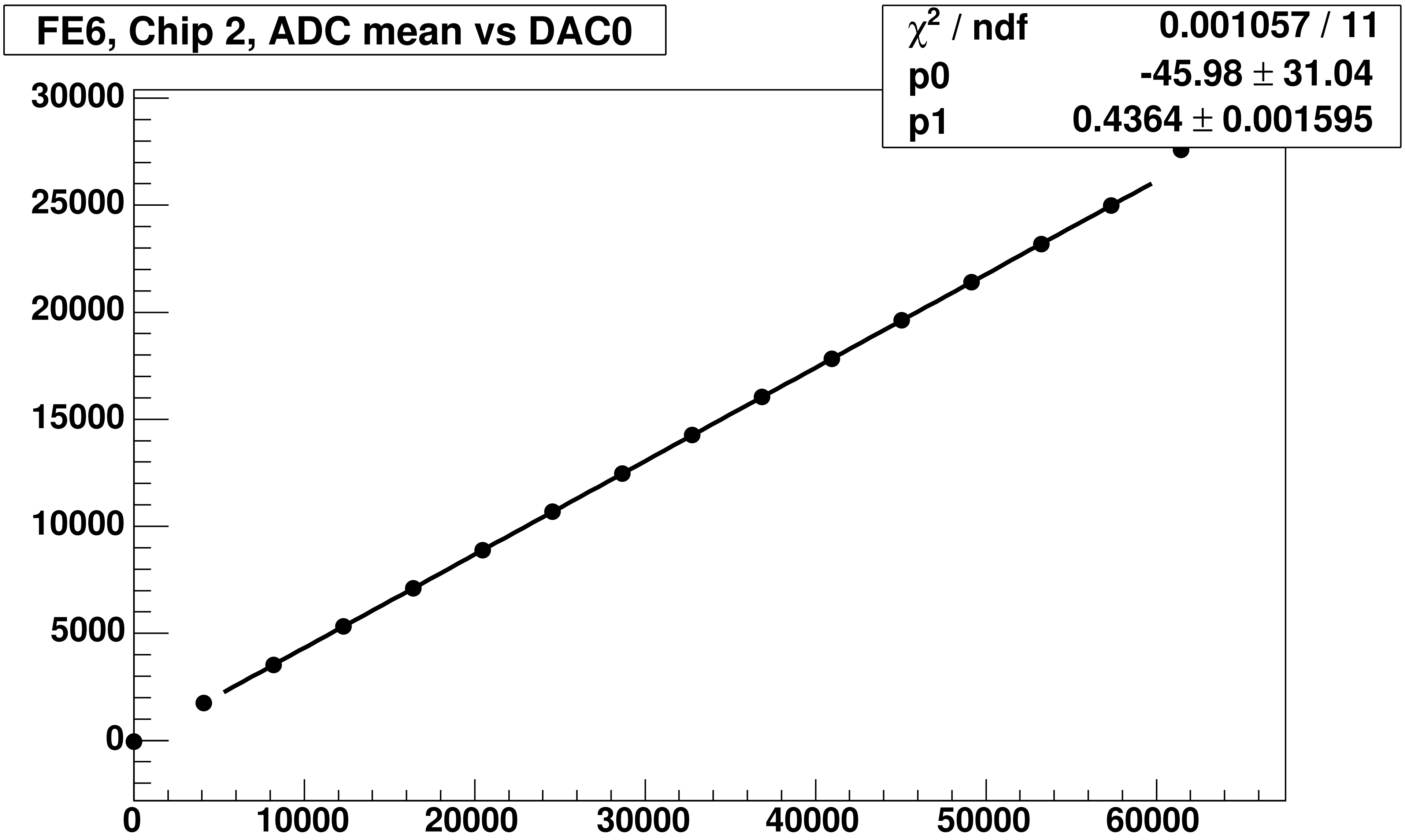

FE6, Chip 1, ADC mean vs DAC1
χ^2 / ndf 1.942e-05 / 11
p0 -46.07 ± 31.07
p1 0.01409 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

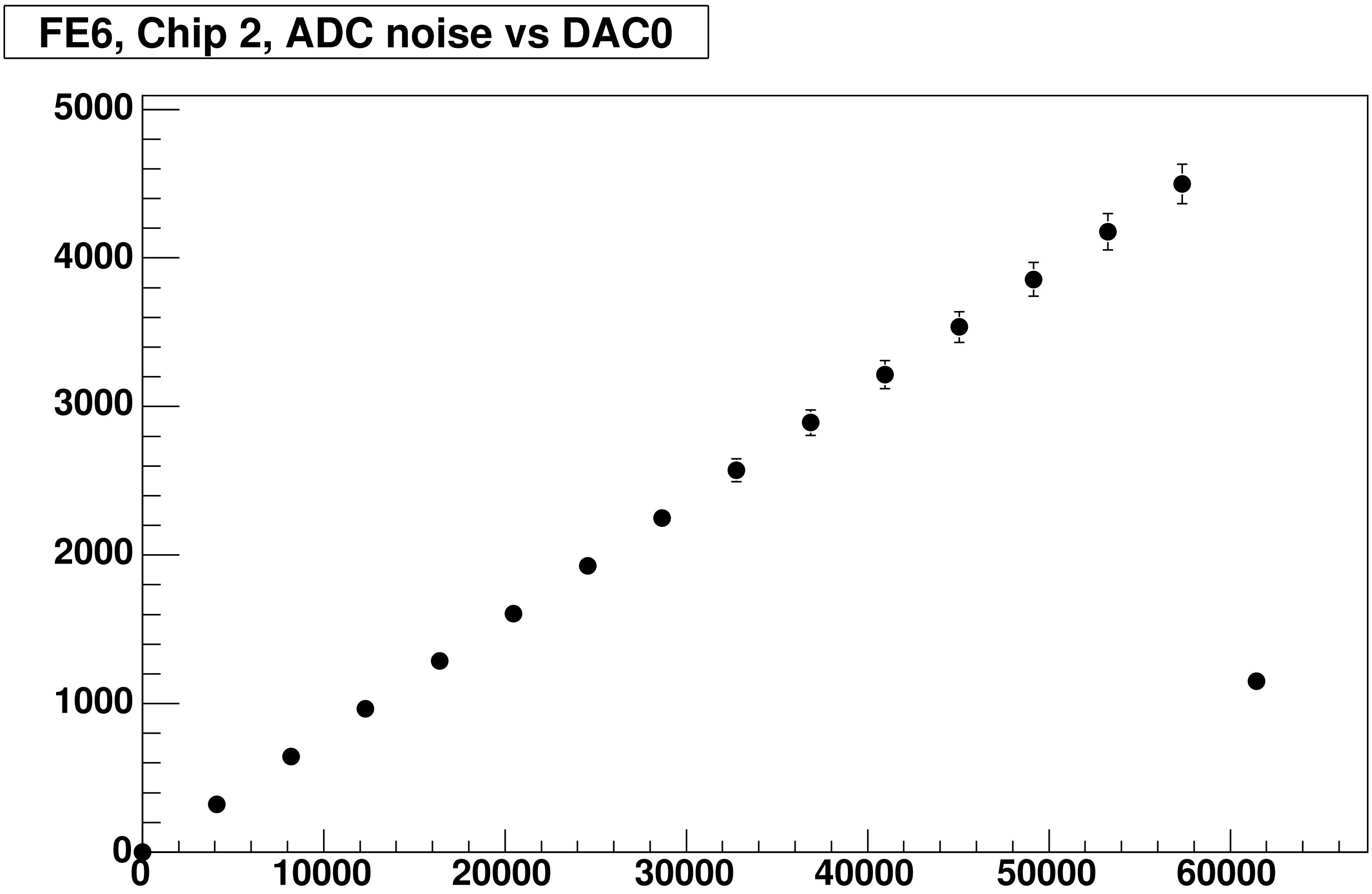


FE6, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

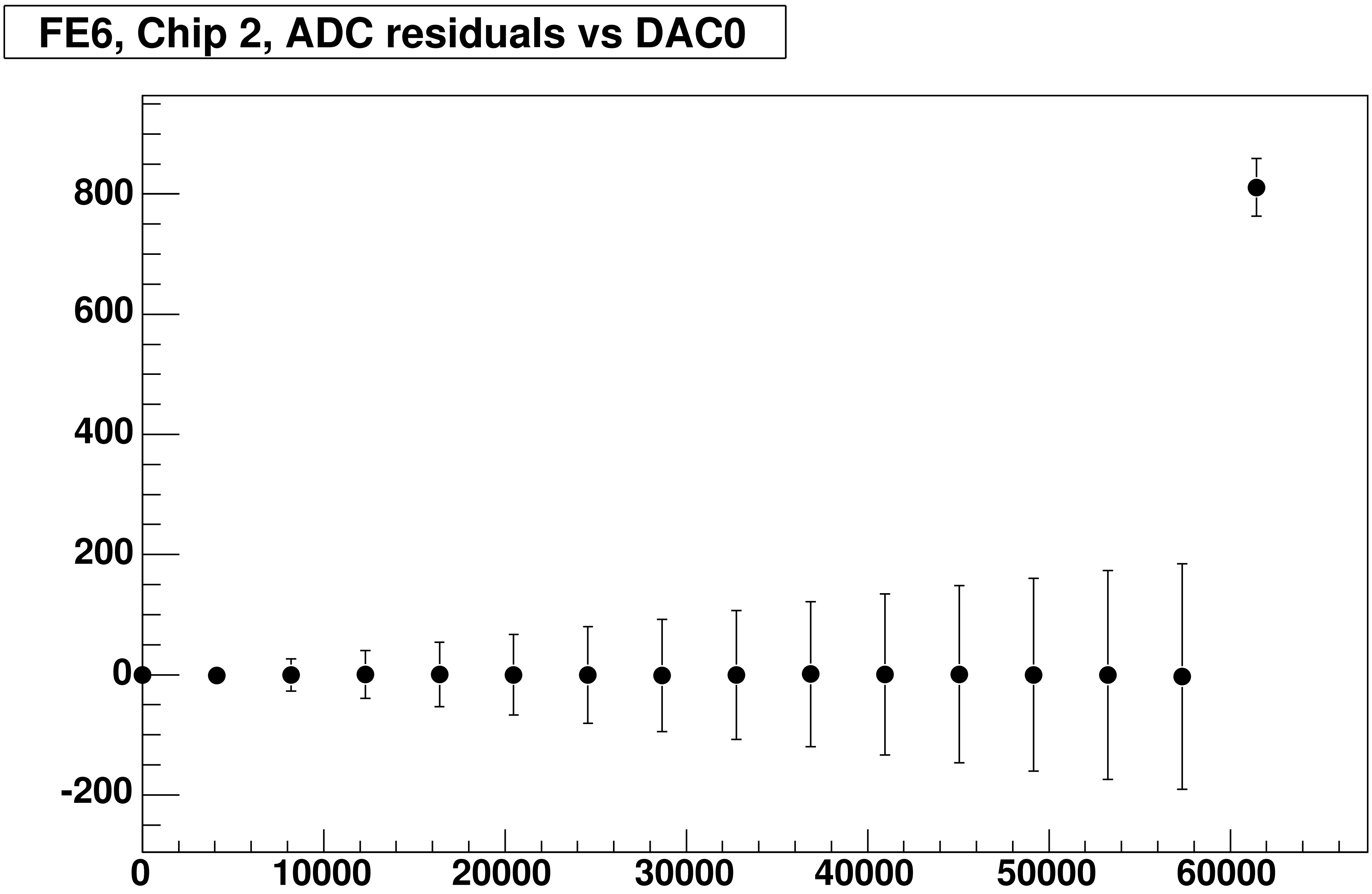


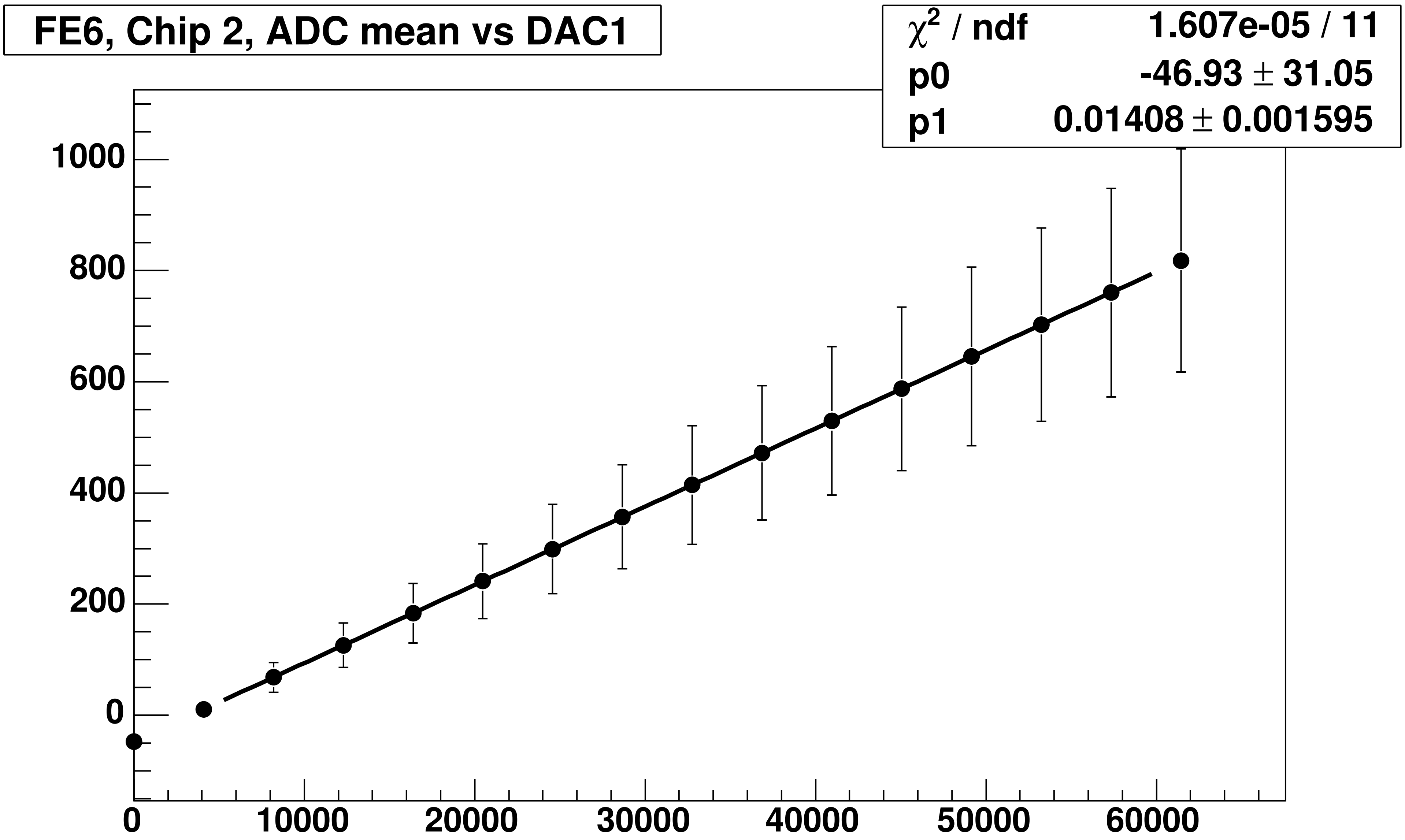
FE6, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 2, ADC mean vs DAC0
χ2 / ndf 0.001057 / 11
p0 -45.98 ± 31.04
p1 0.4364 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

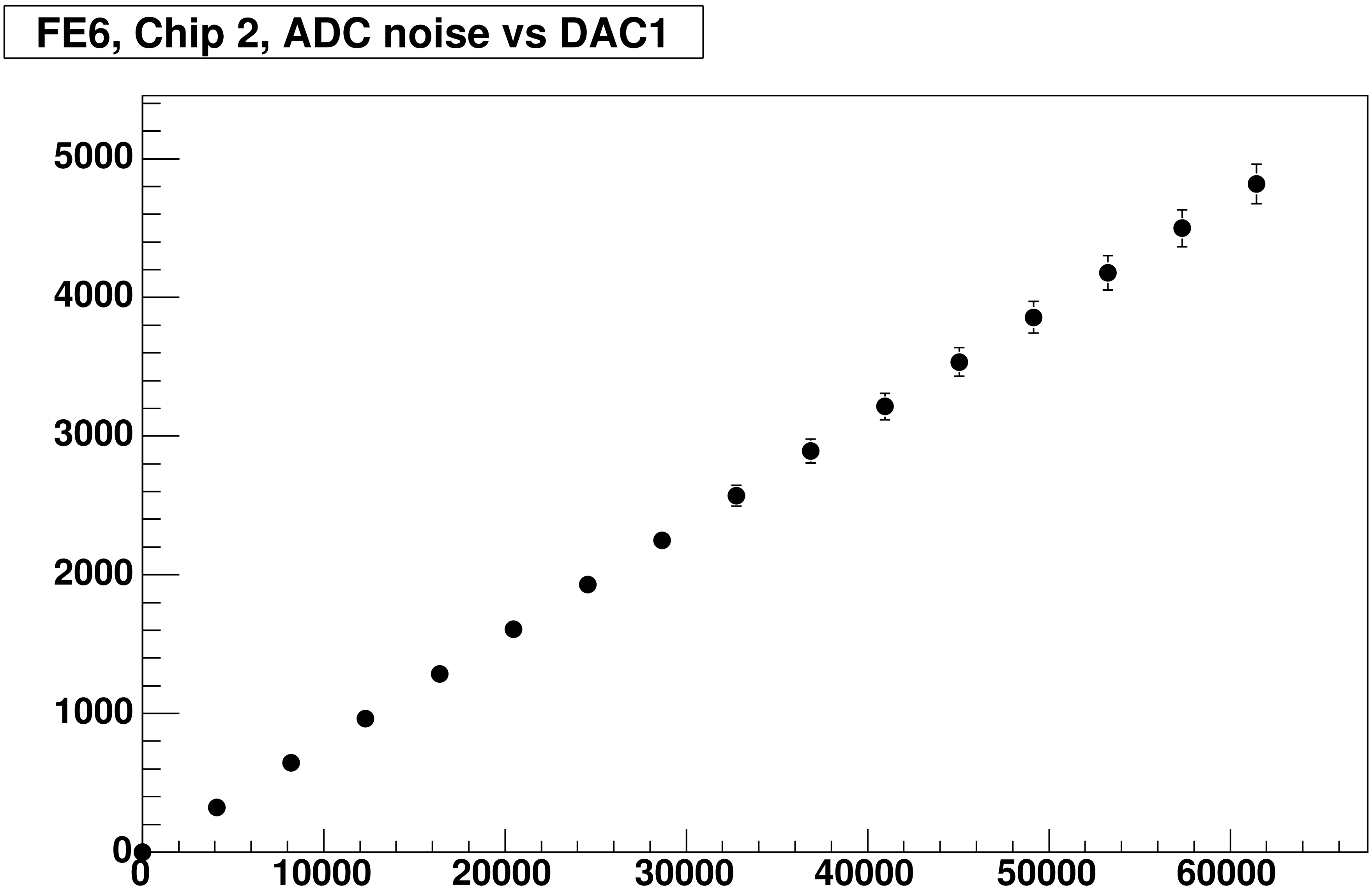


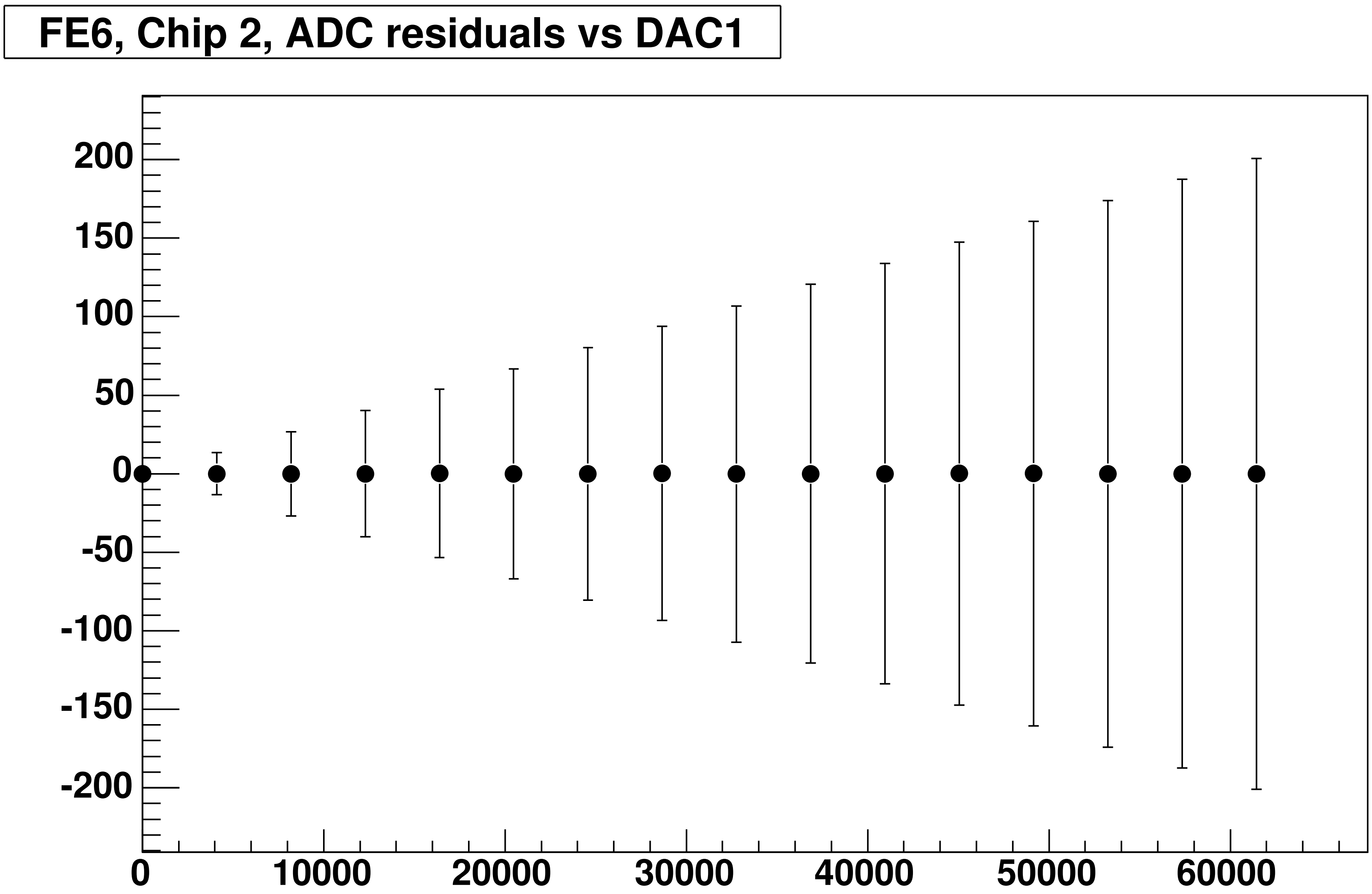
FE6, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

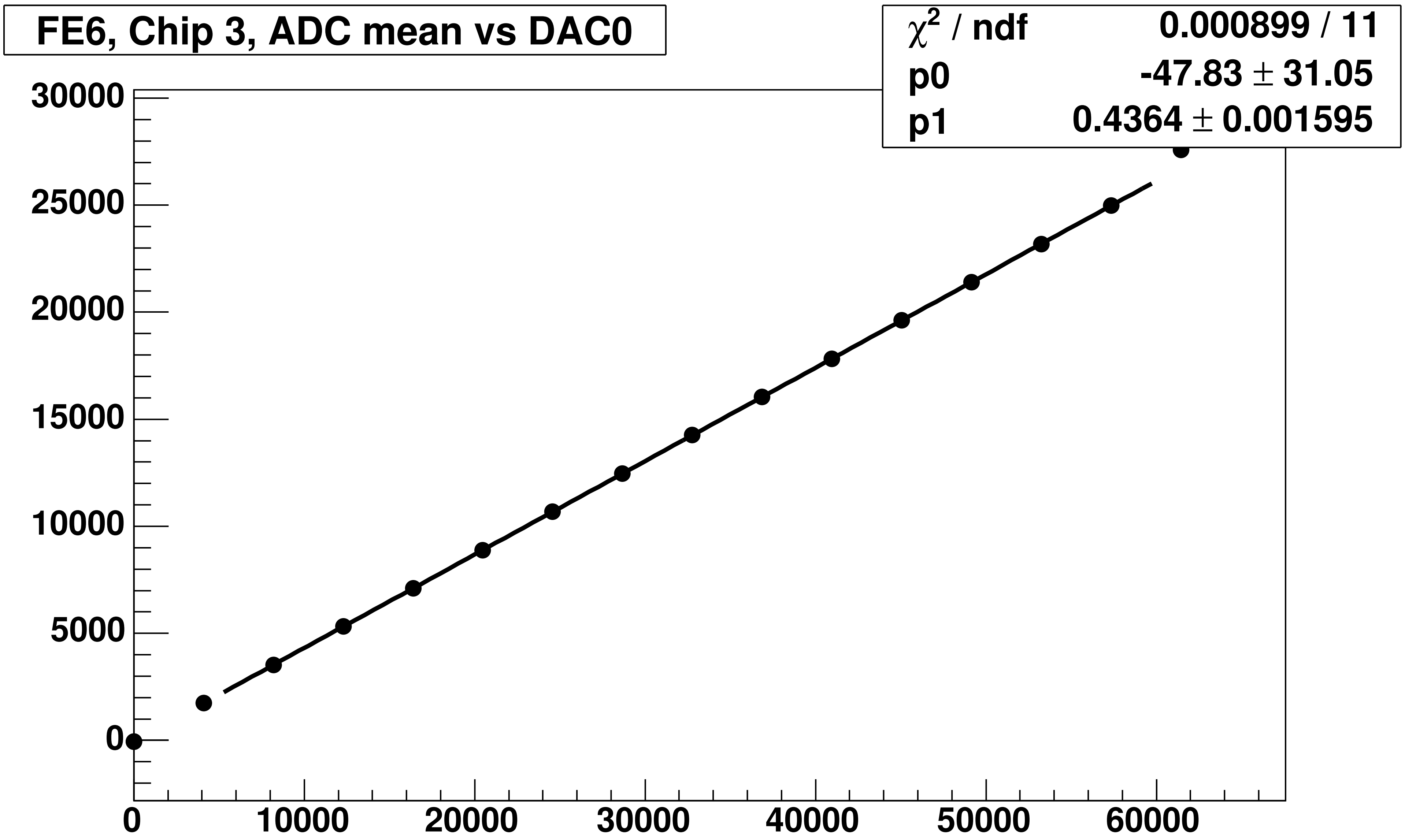

FE6, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



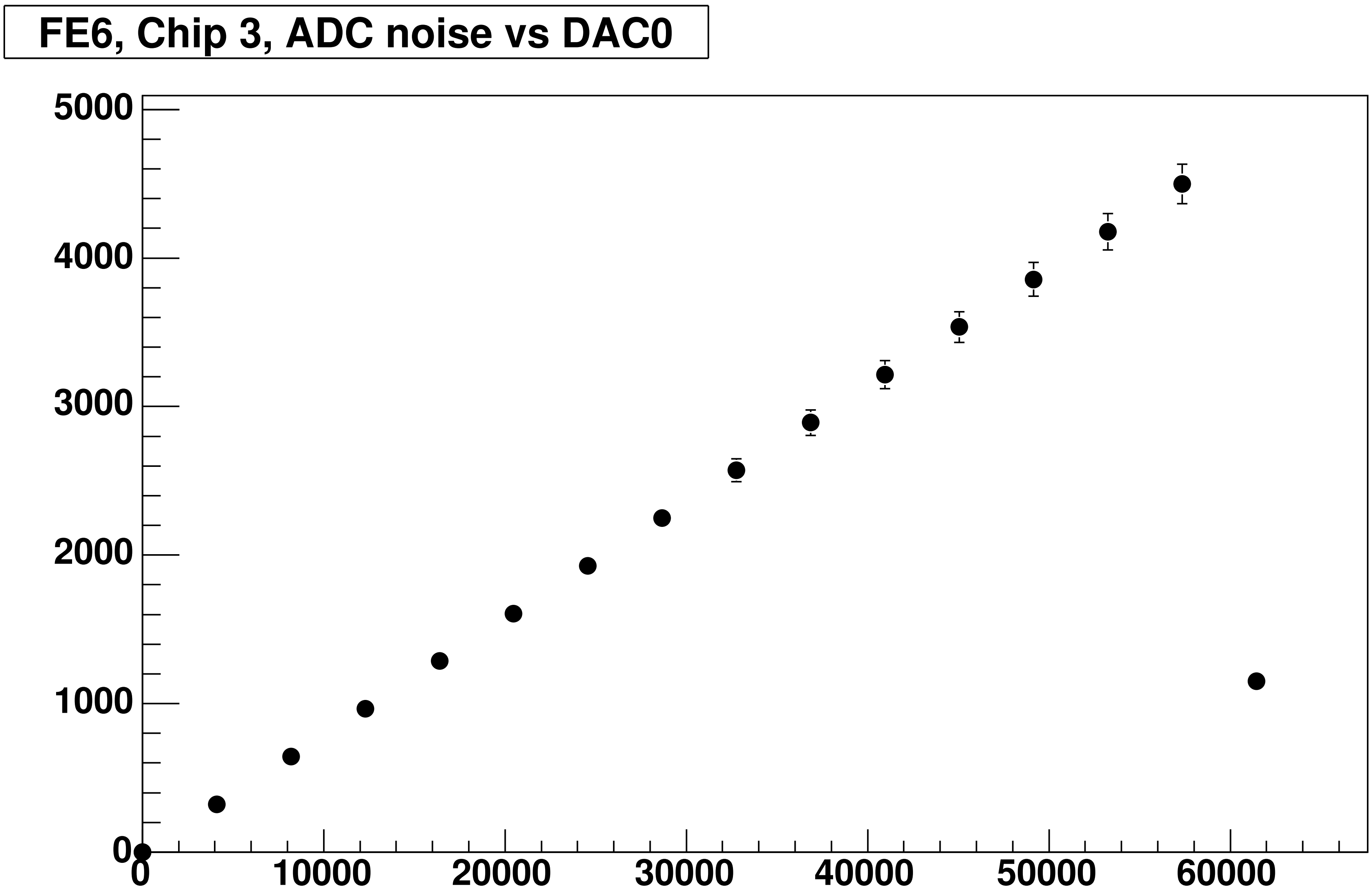
FE6, Chip 2, ADC mean vs DAC1
χ^2 / ndf 1.607e-05 / 11
p0 -46.93 ± 31.05
p1 0.01408 ± 0.001595
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

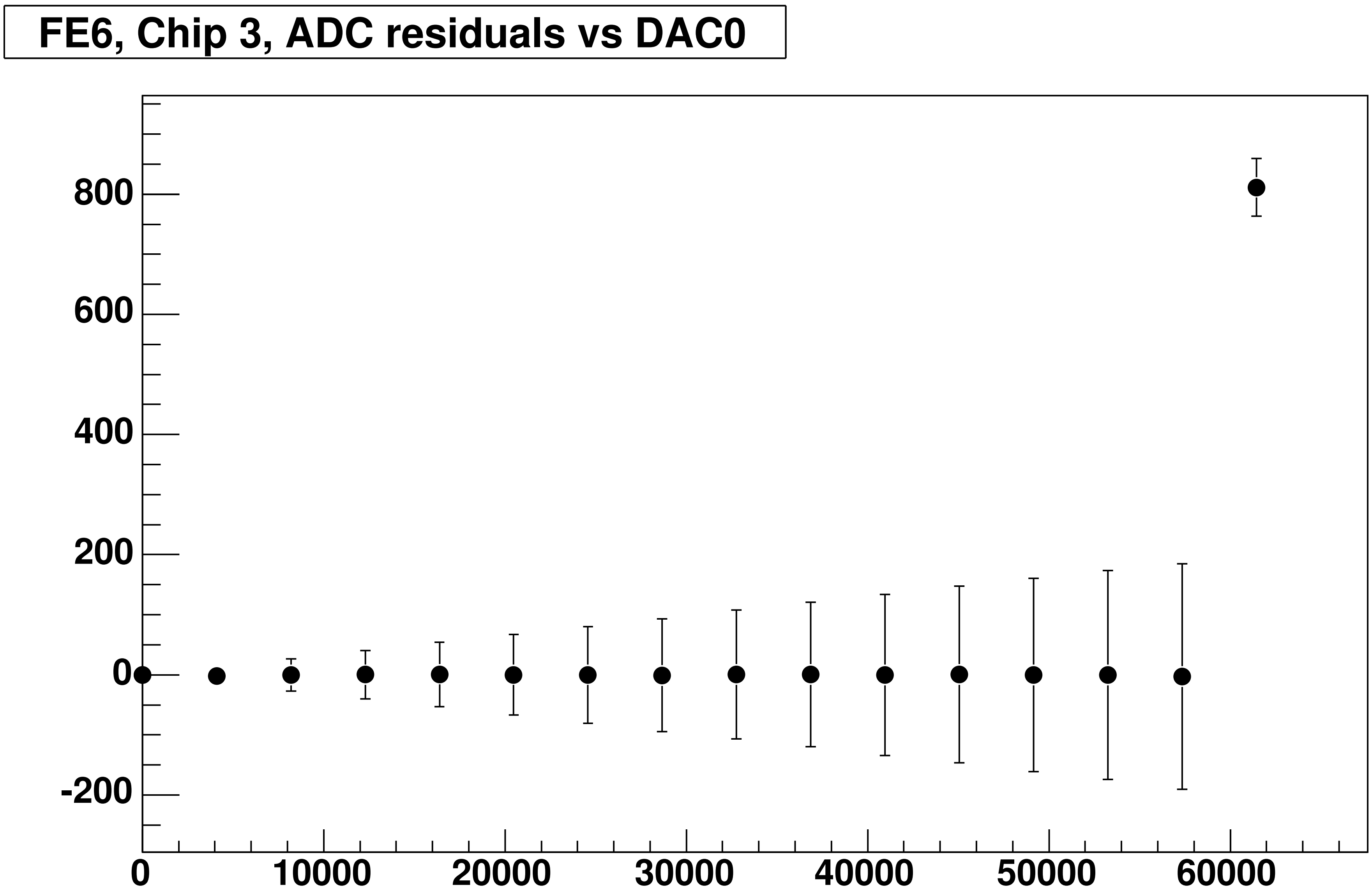

FE6, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

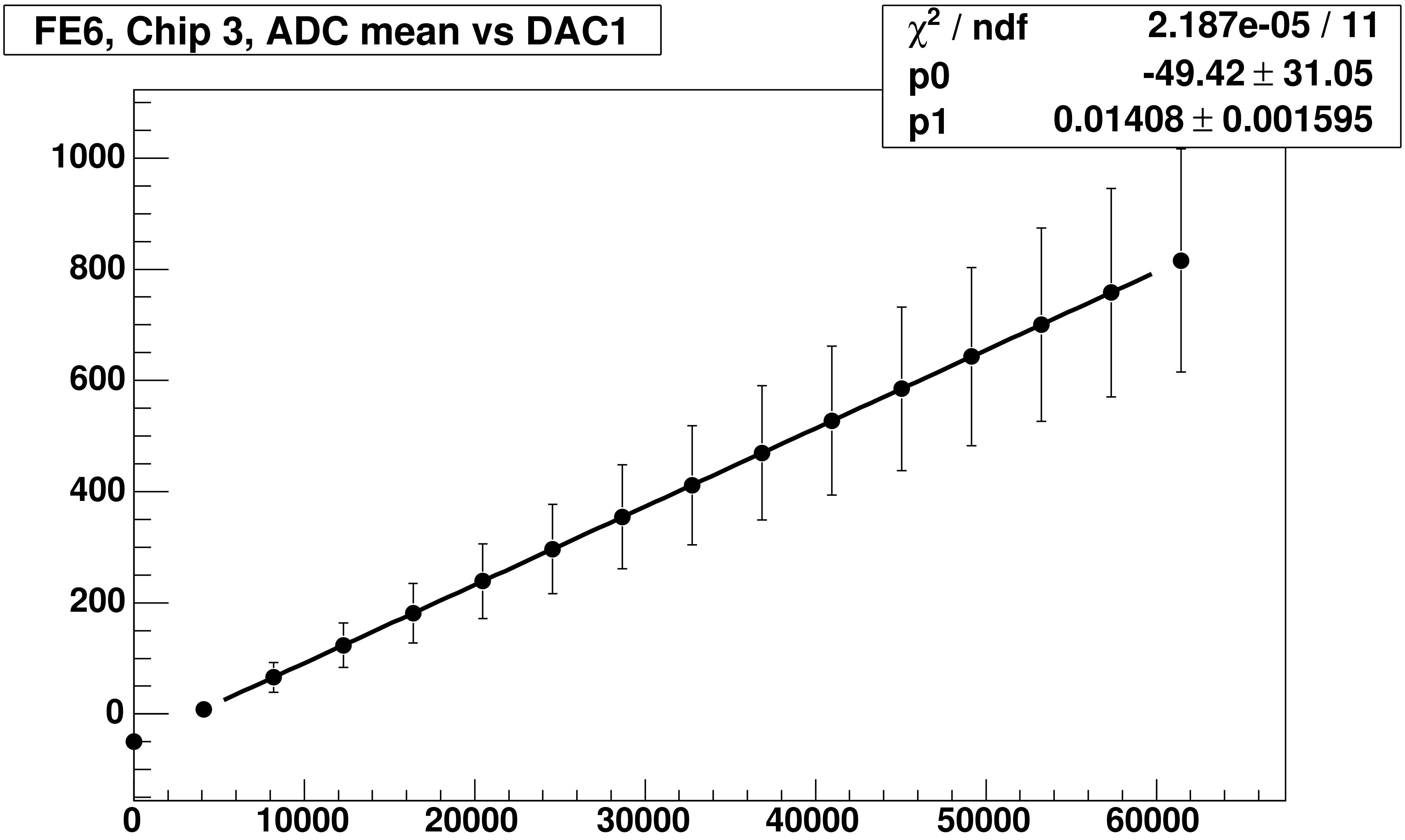

FE6, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



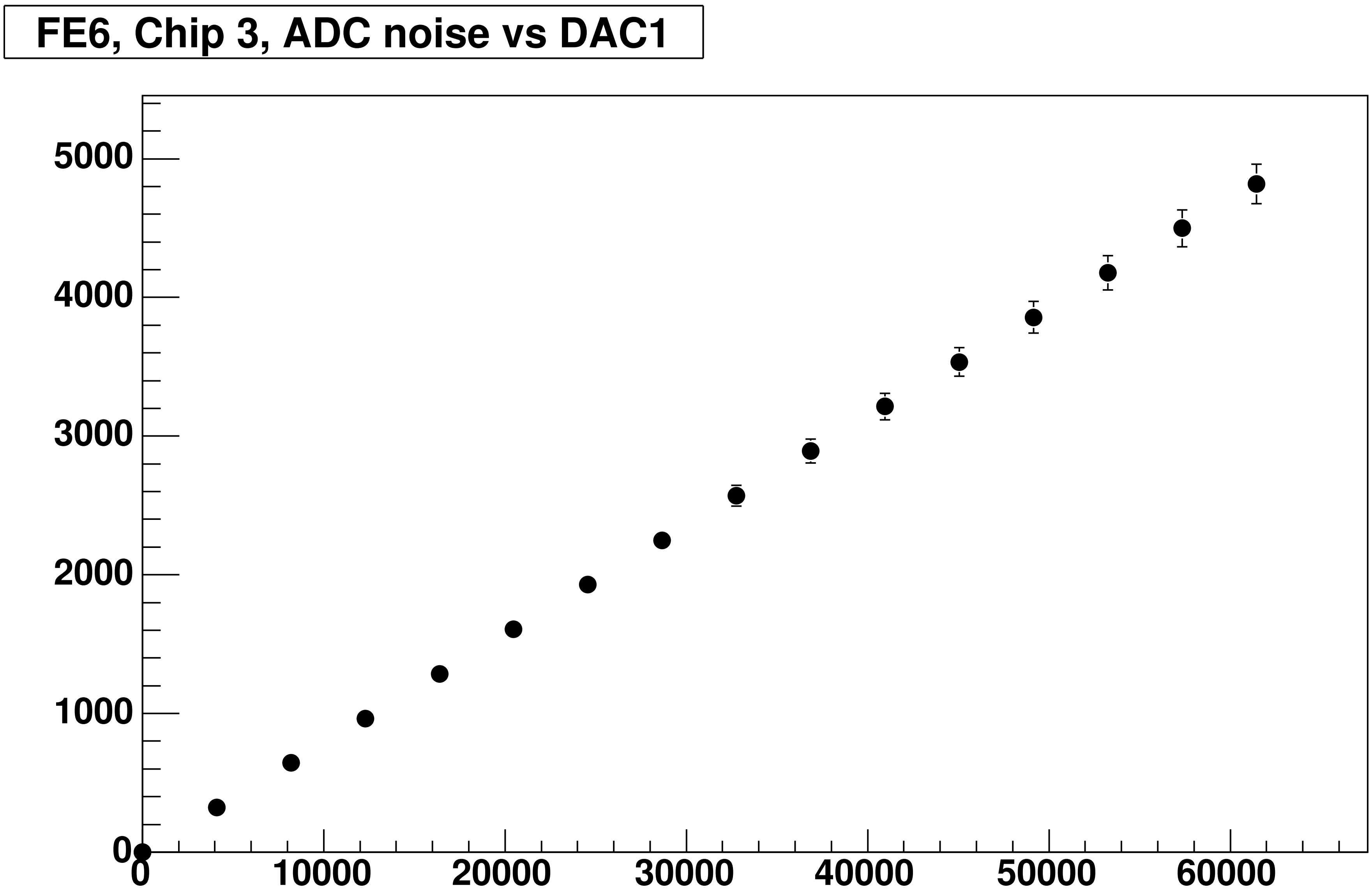
FE6, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.000899 / 11
p0 -47.83 ± 31.05
p1 0.4364 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

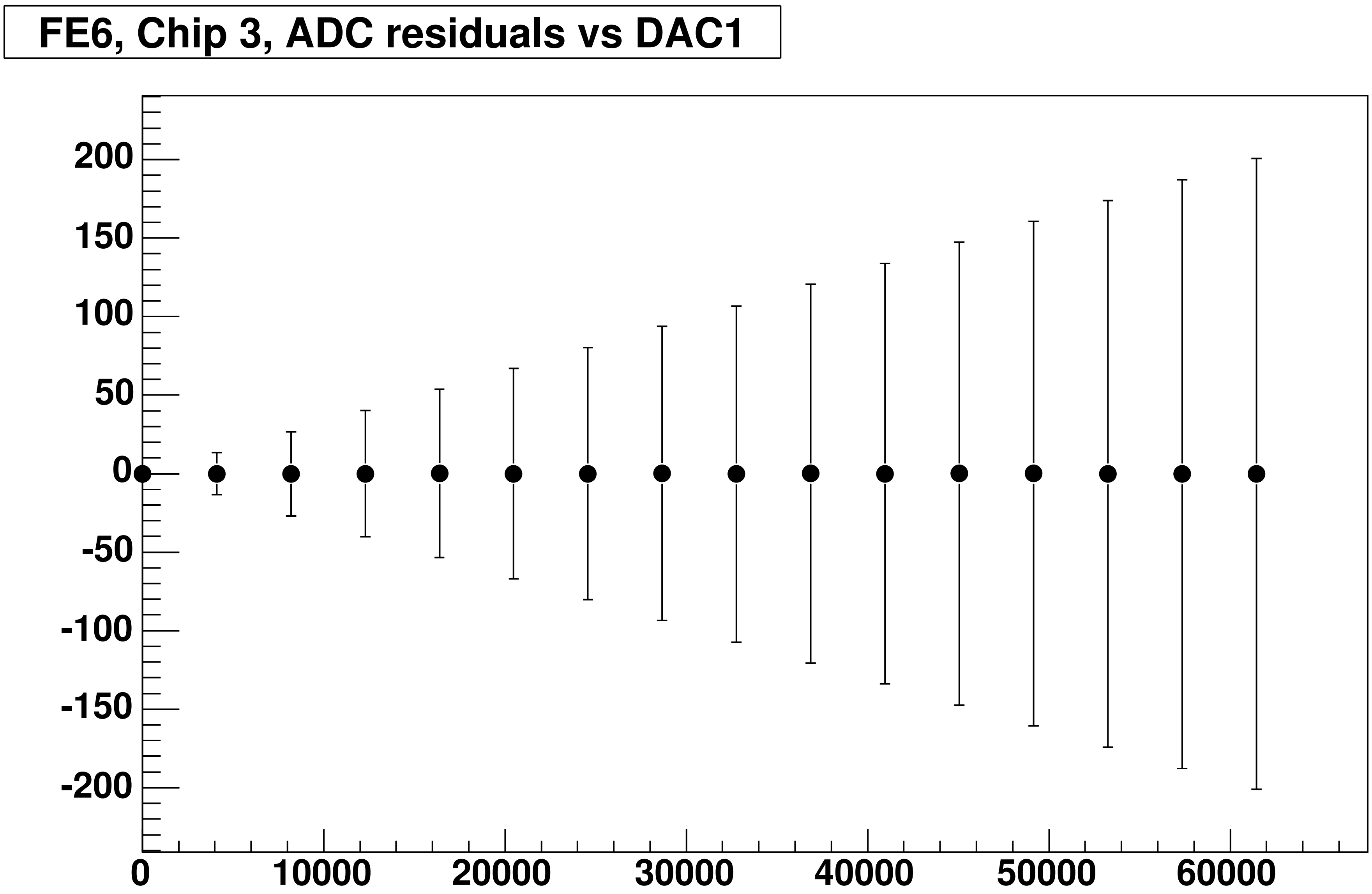

FE6, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

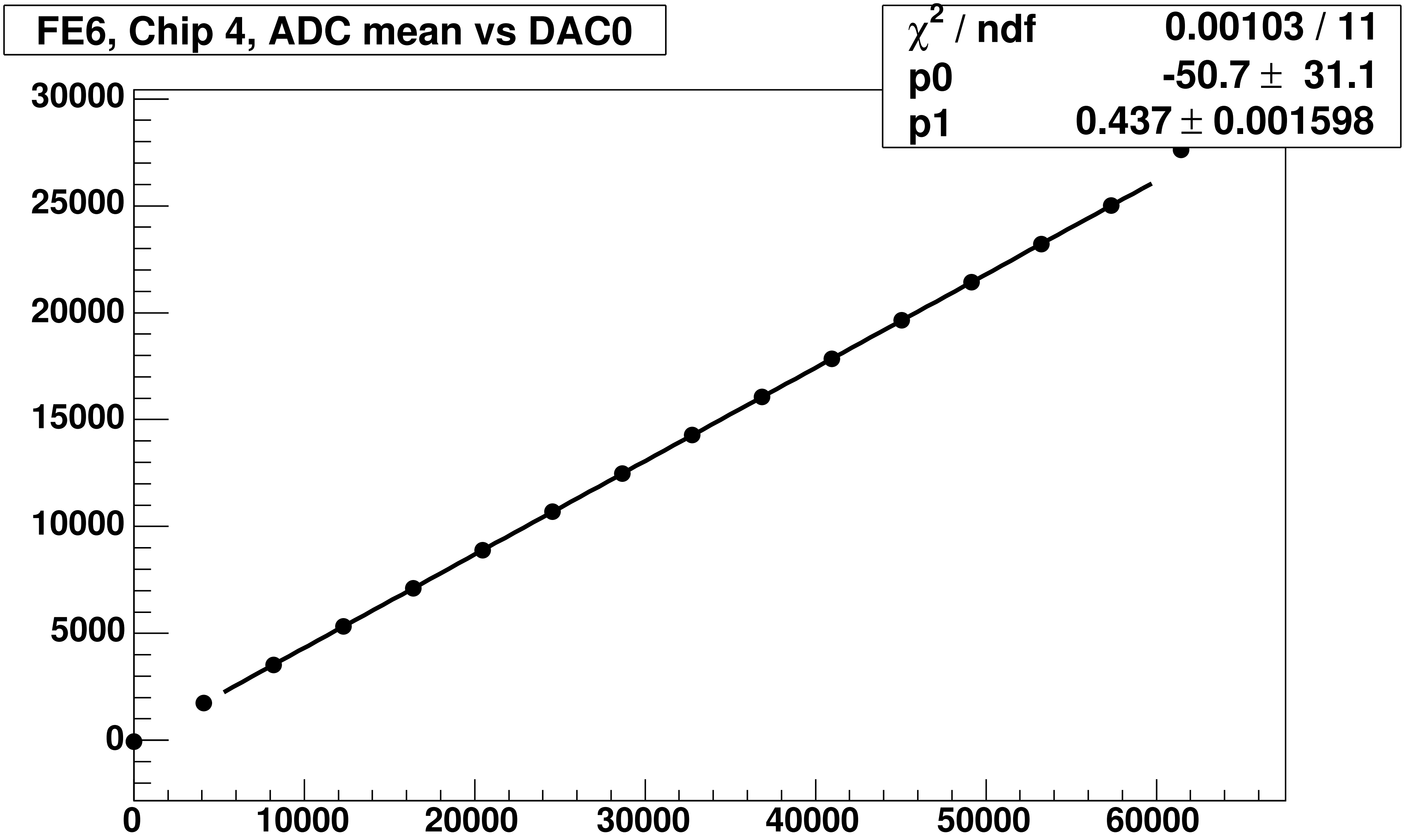


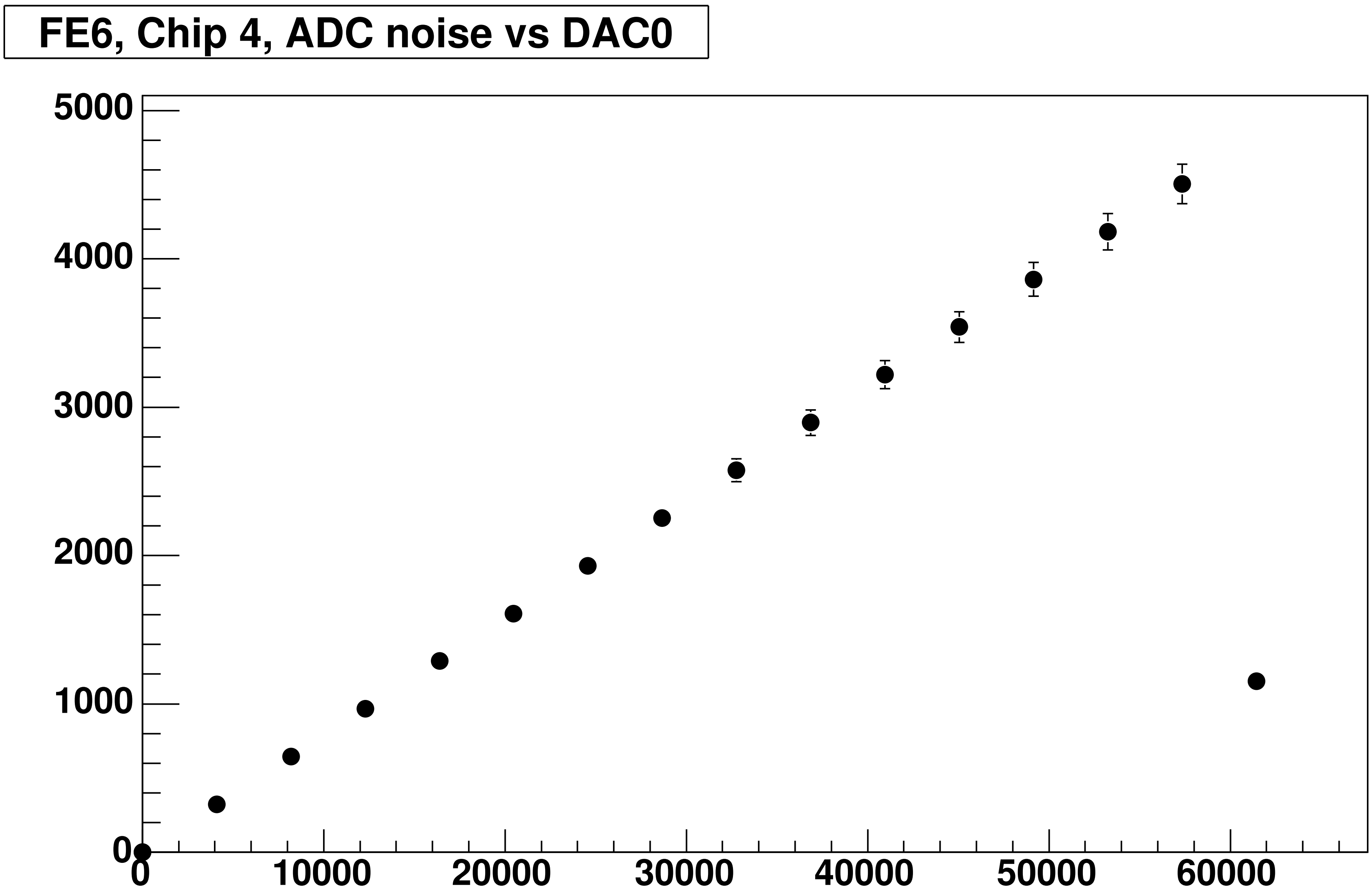
FE6, Chip 3, ADC mean vs DAC1
χ2 / ndf 2.187e-05 / 11
p0 -49.42 ± 31.05
p1 0.01408 ± 0.001595
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 3, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

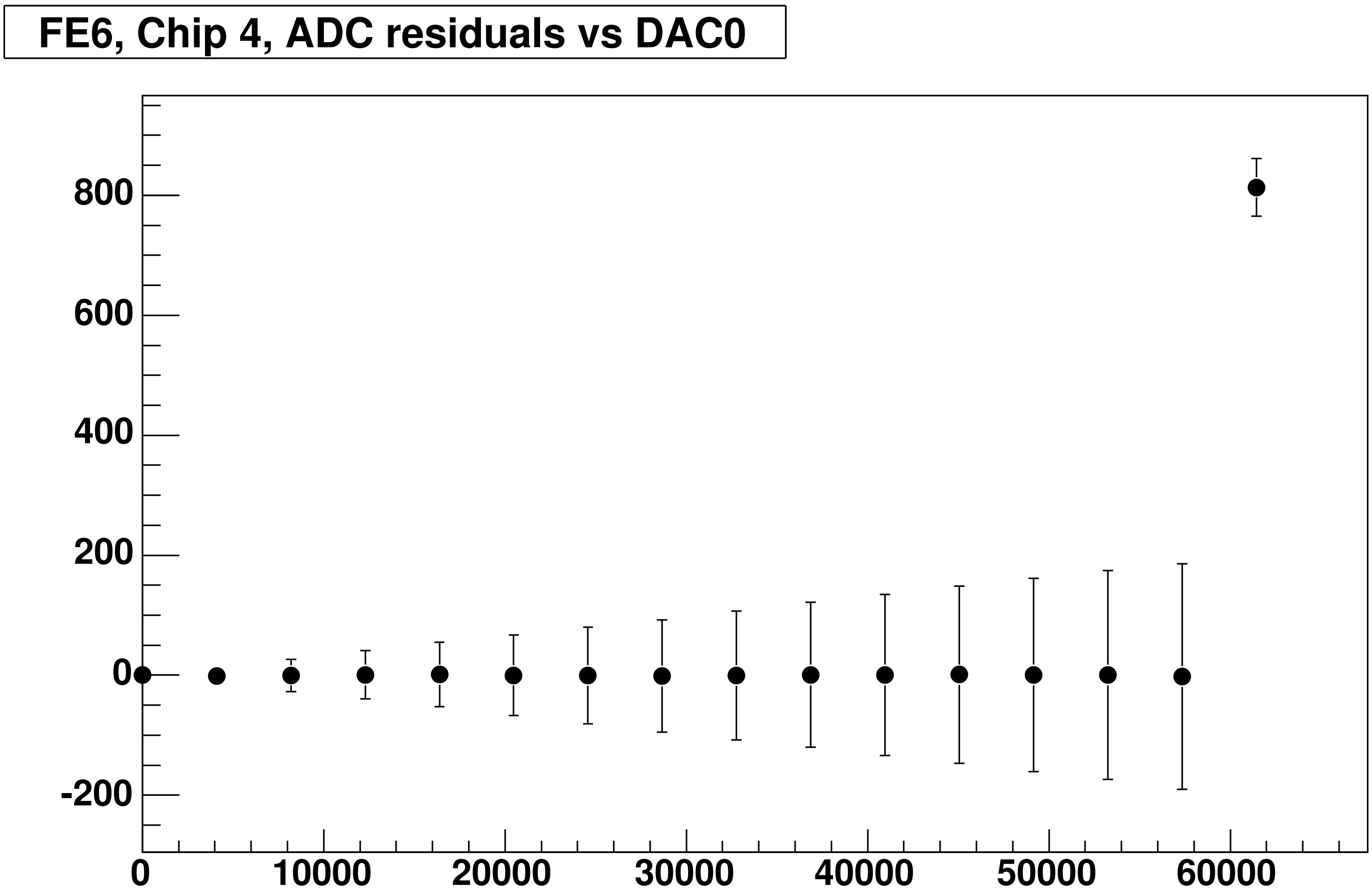


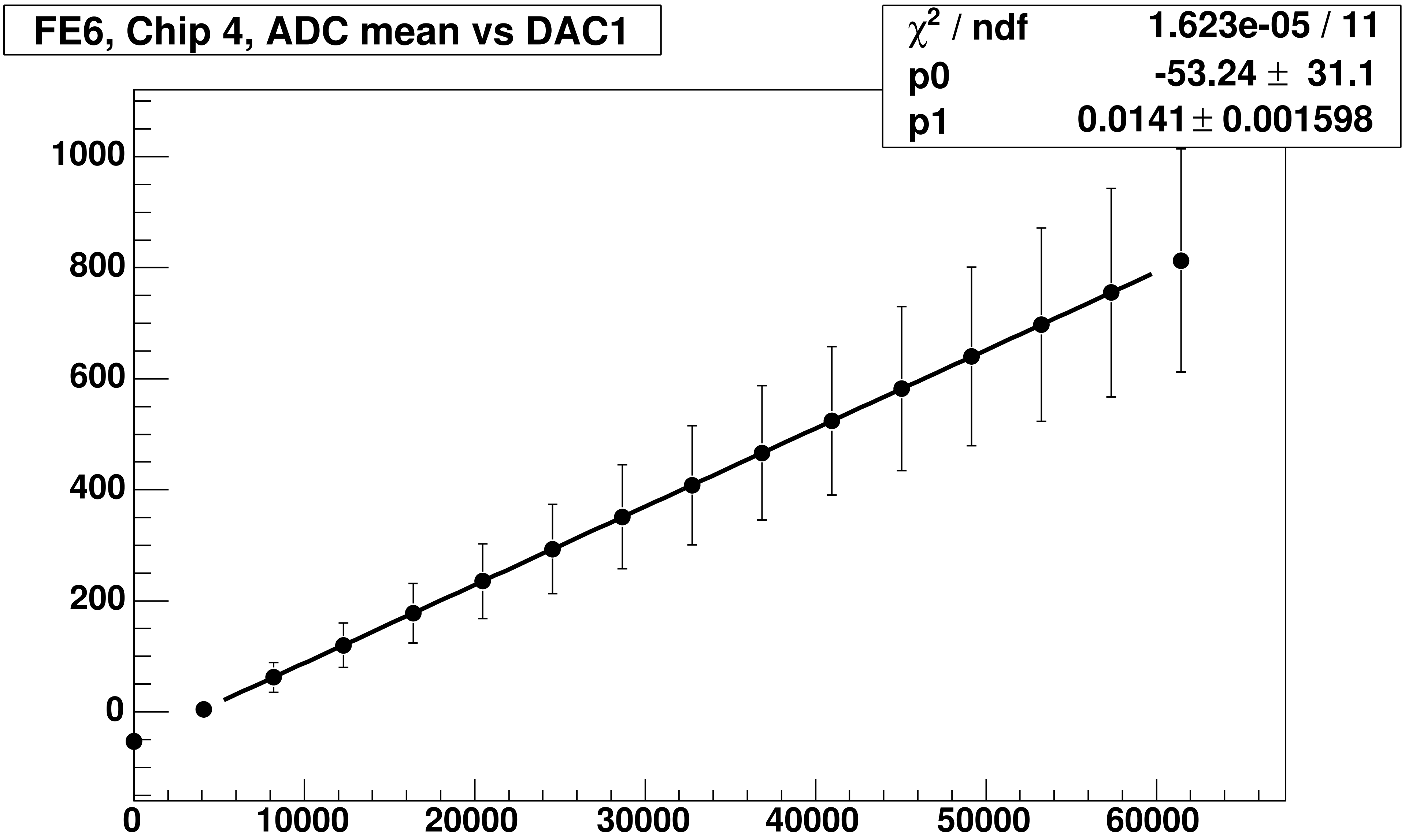
FE6, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.00103 / 11
p0 -50.7 ± 31.1
p1 0.437 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

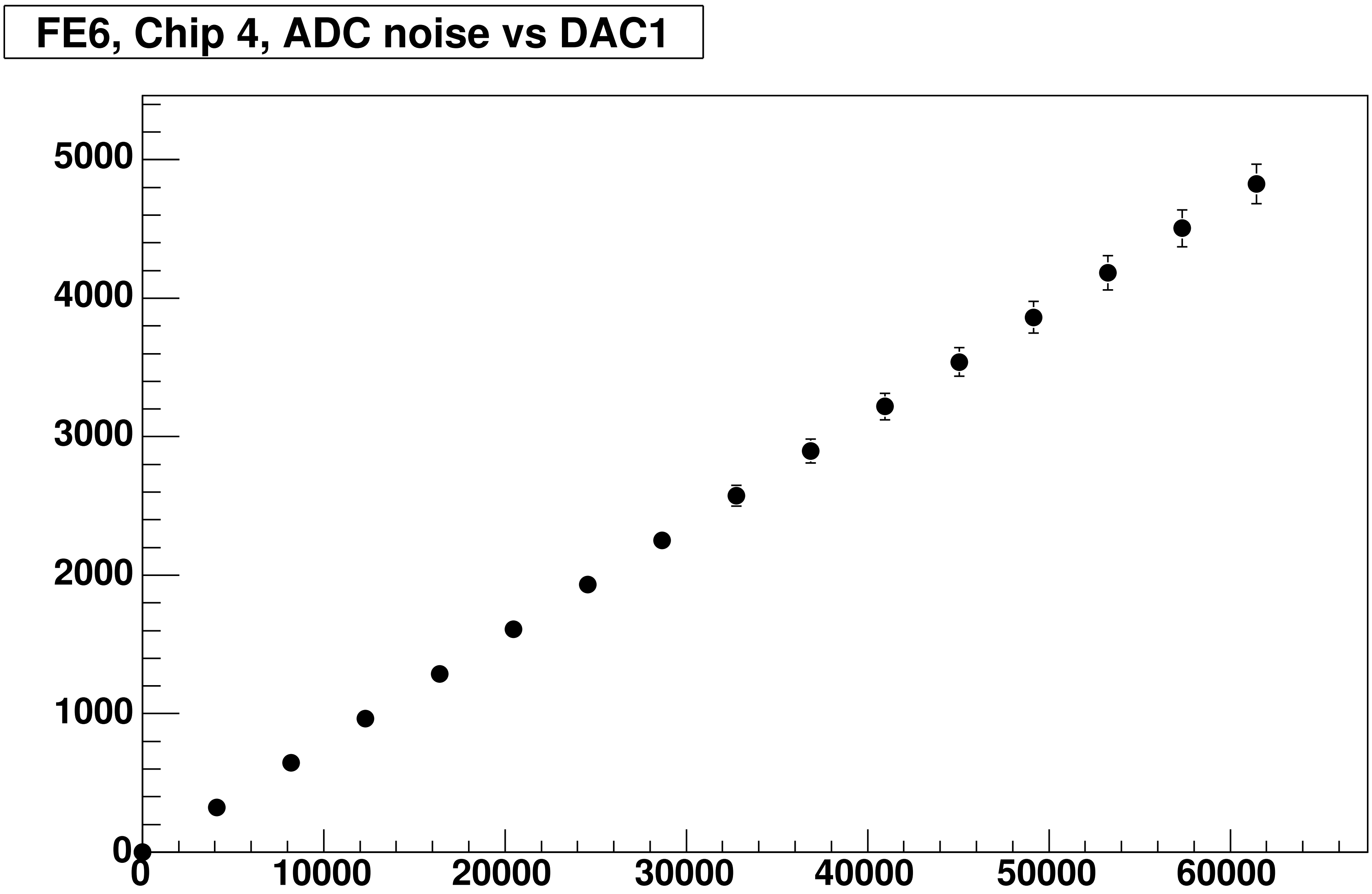


FE6, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

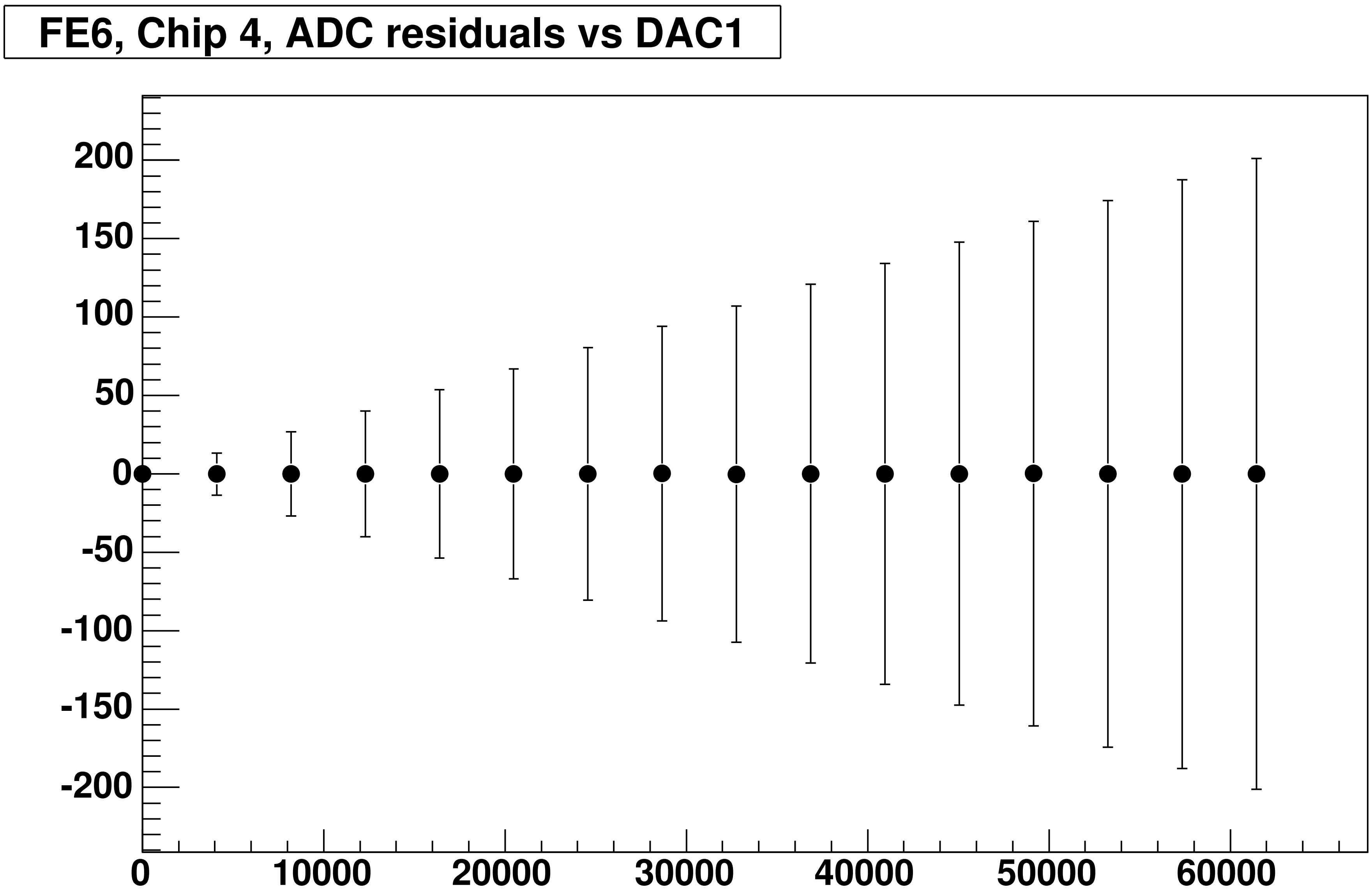

FE6, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

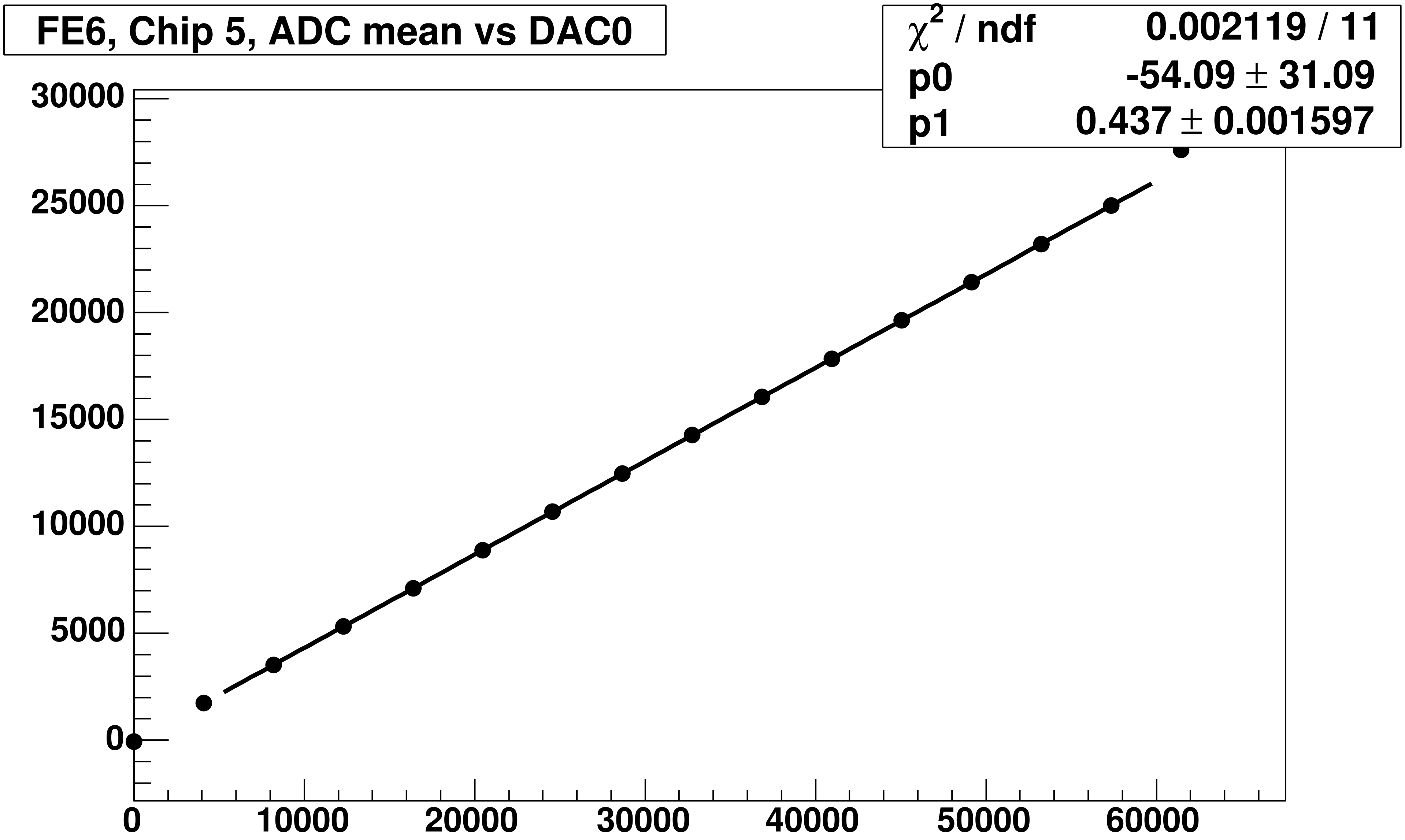


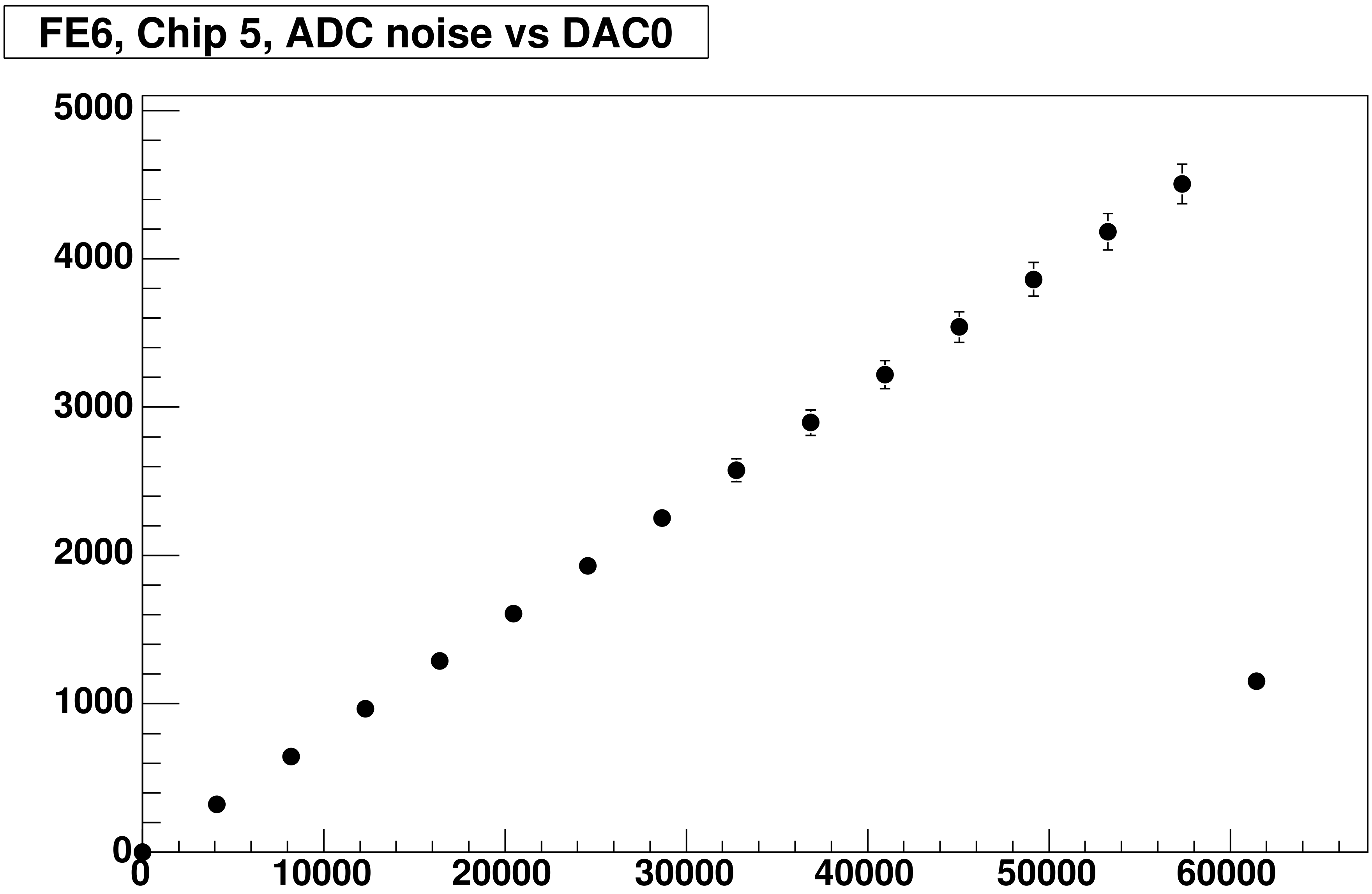
FE6, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.623e-05 / 11
p0 -53.24 ± 31.1
p1 0.0141 ± 0.001598
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

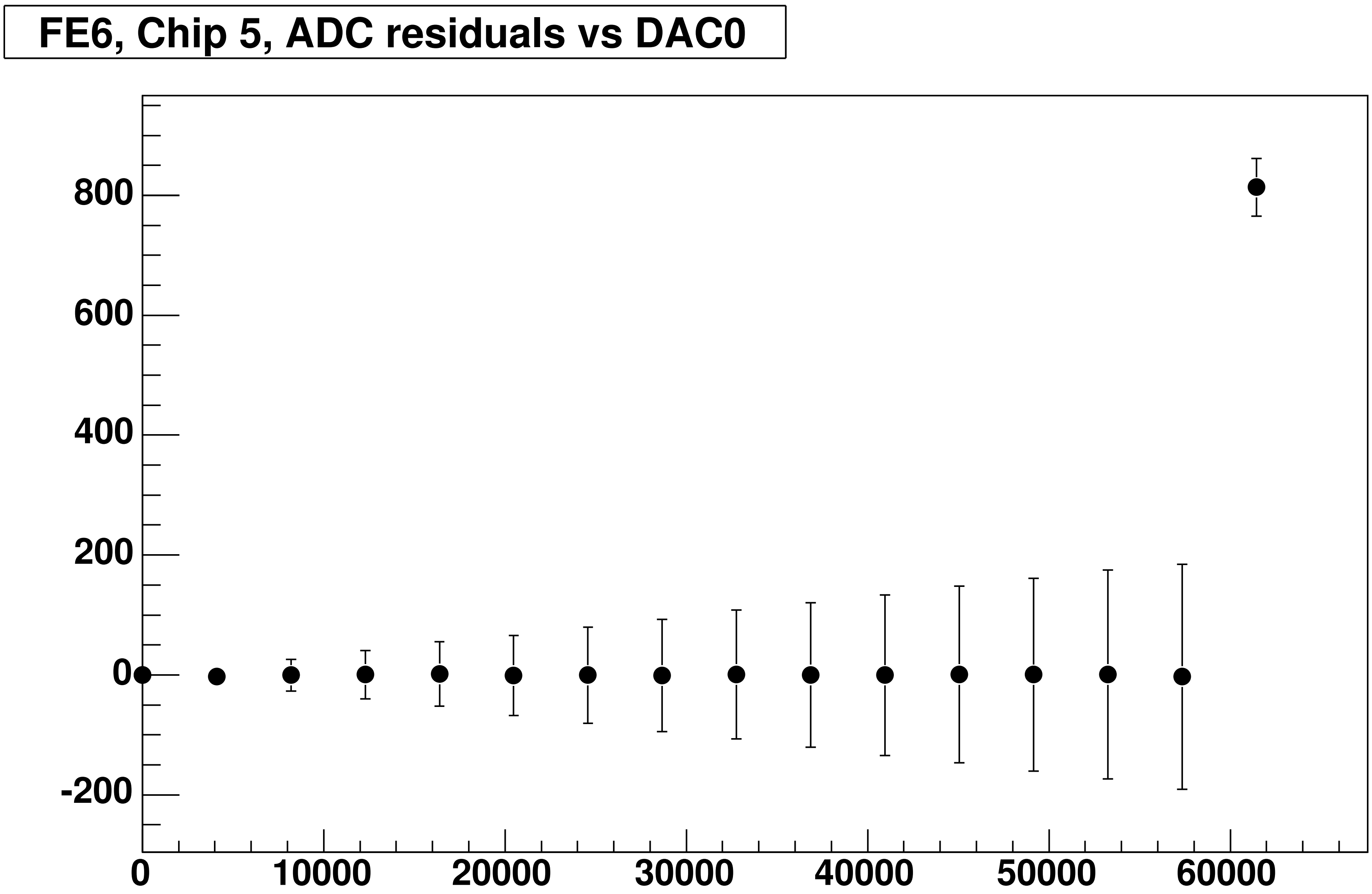


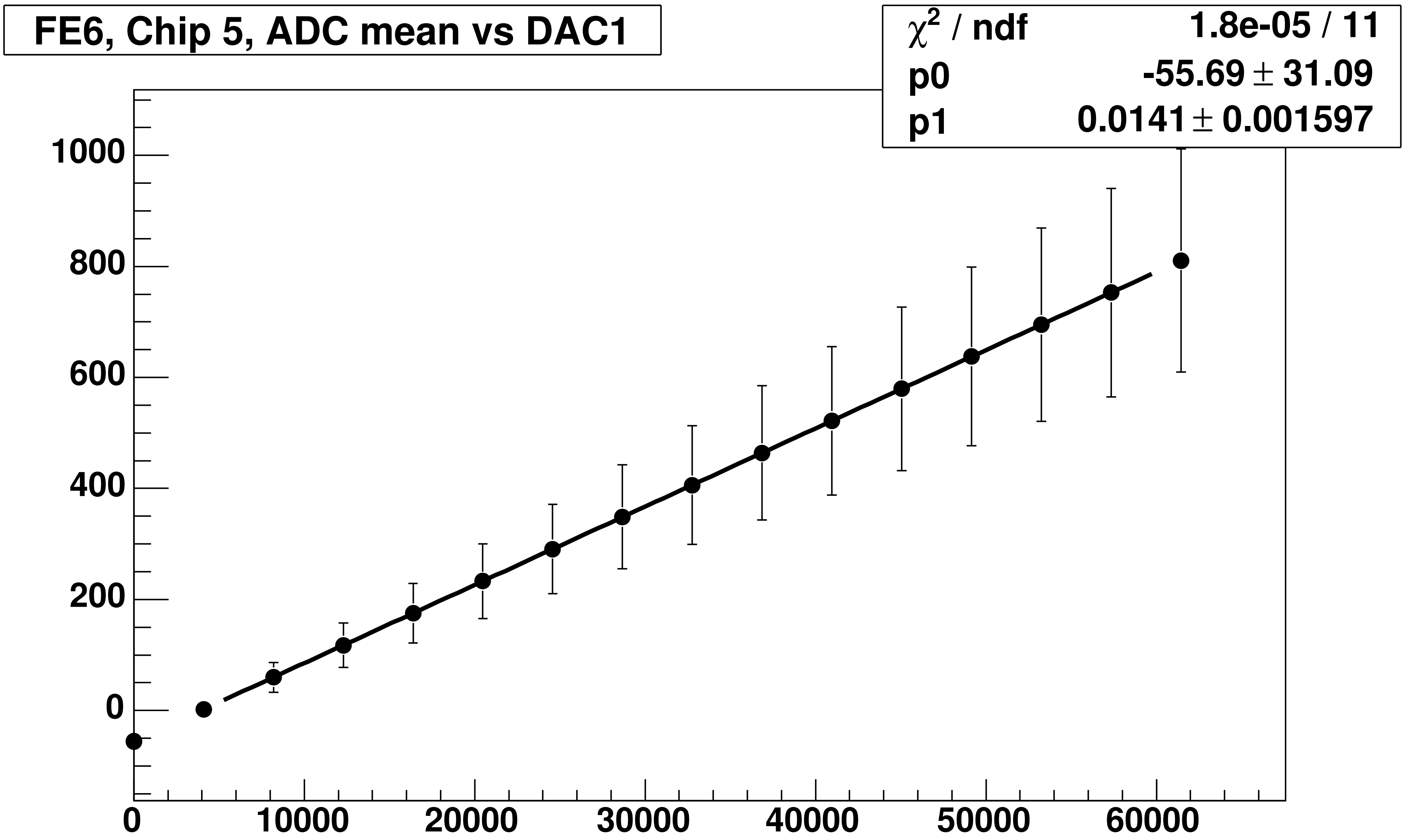
FE6, Chip 4, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.002119 / 11
p0 -54.09 ± 31.09
p1 0.437 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

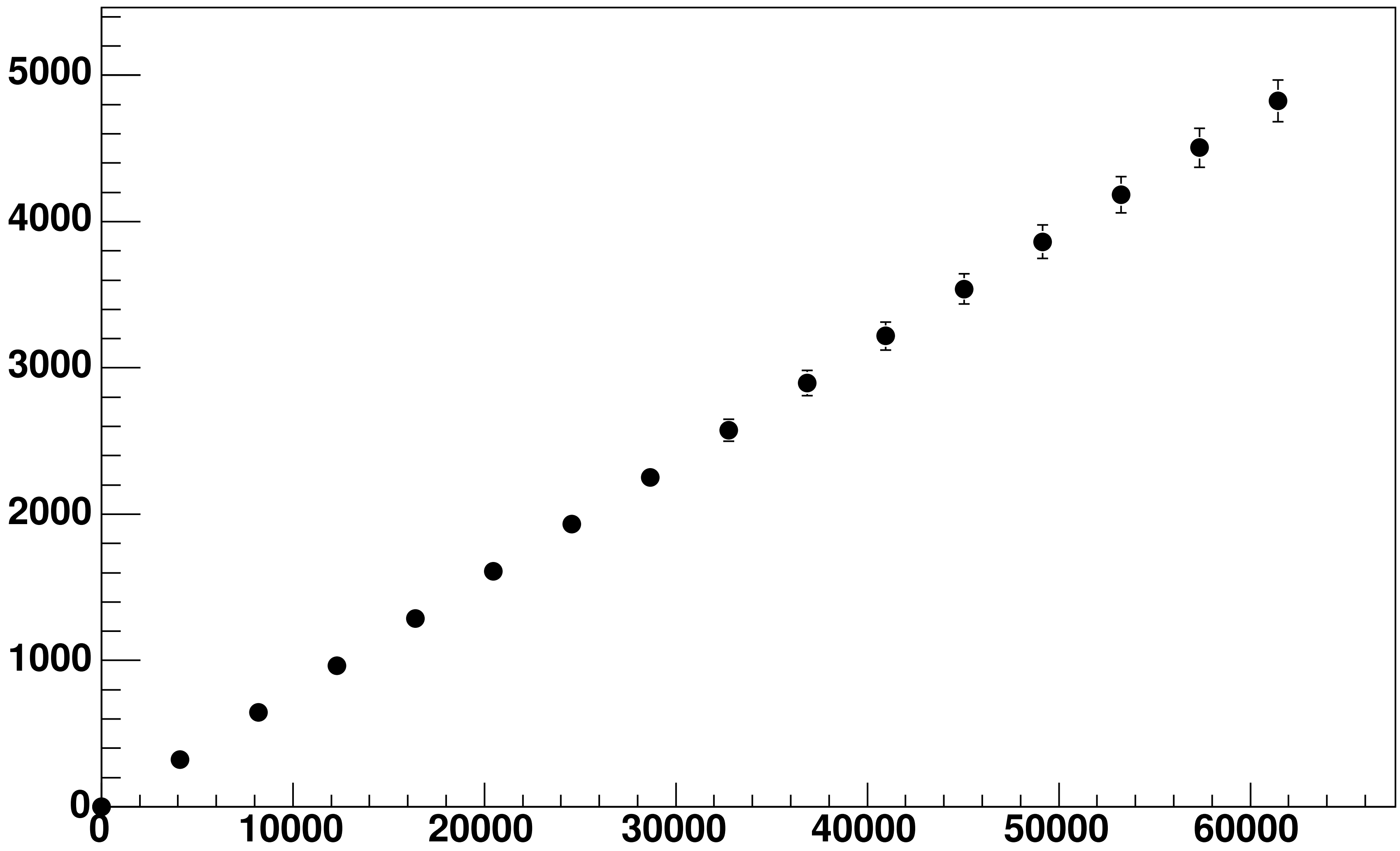

FE6, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

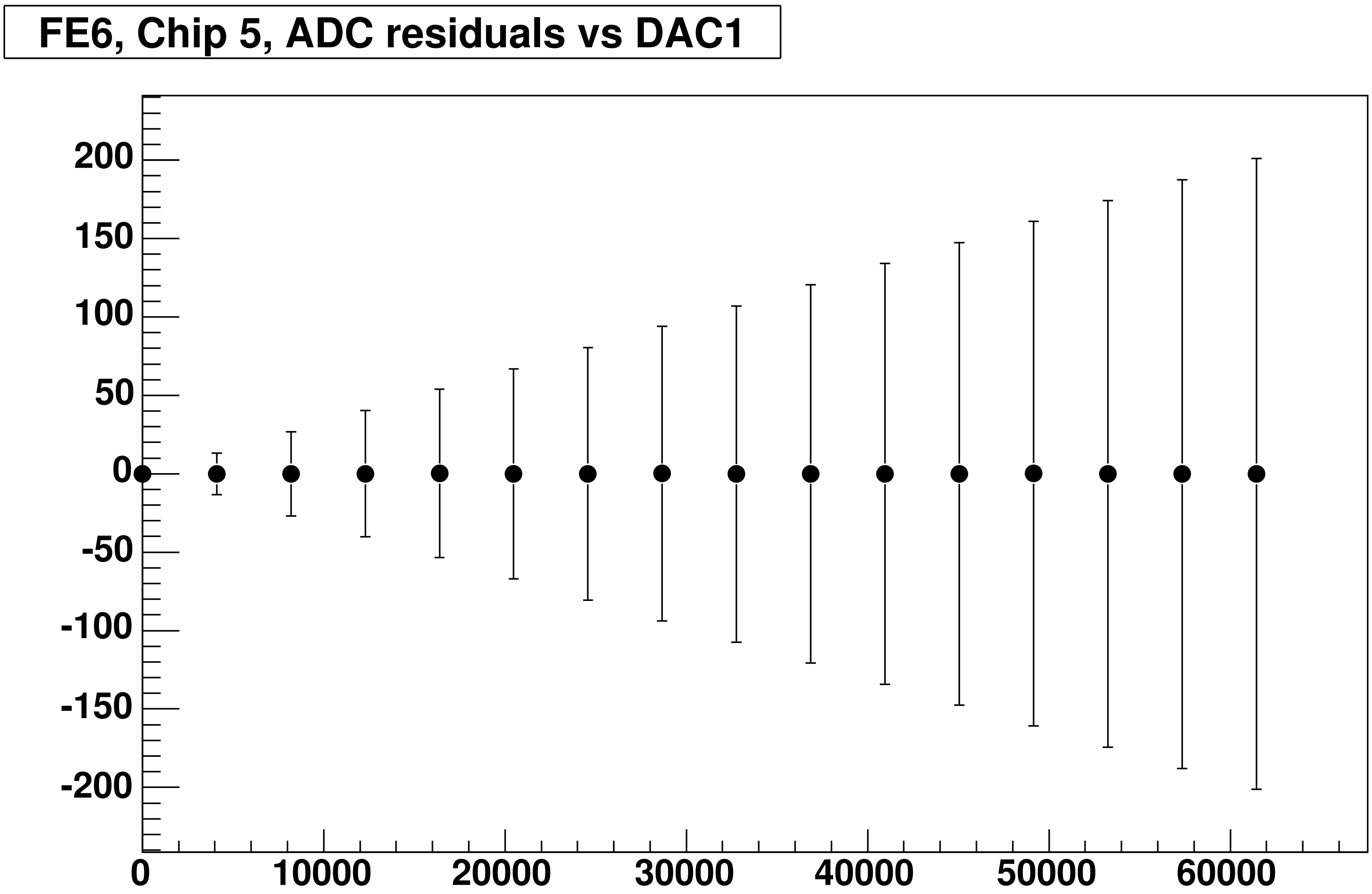

FE6, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



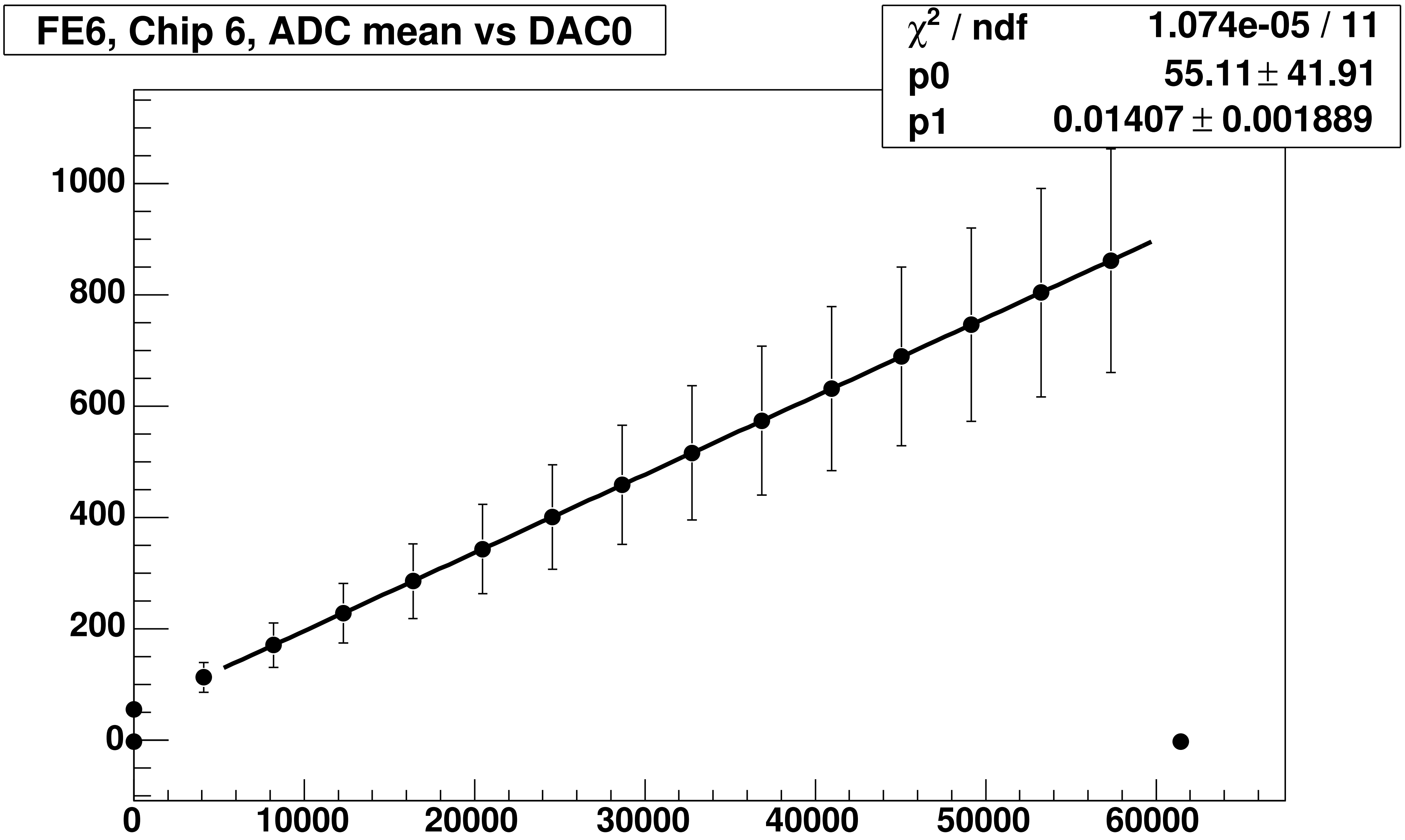
FE6, Chip 5, ADC mean vs DAC1
χ^2 / ndf 1.8e-05 / 11
p0 -55.69 ± 31.09
p1 0.0141 ± 0.001597
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

FE6, Chip 5, ADC noise vs DAC1



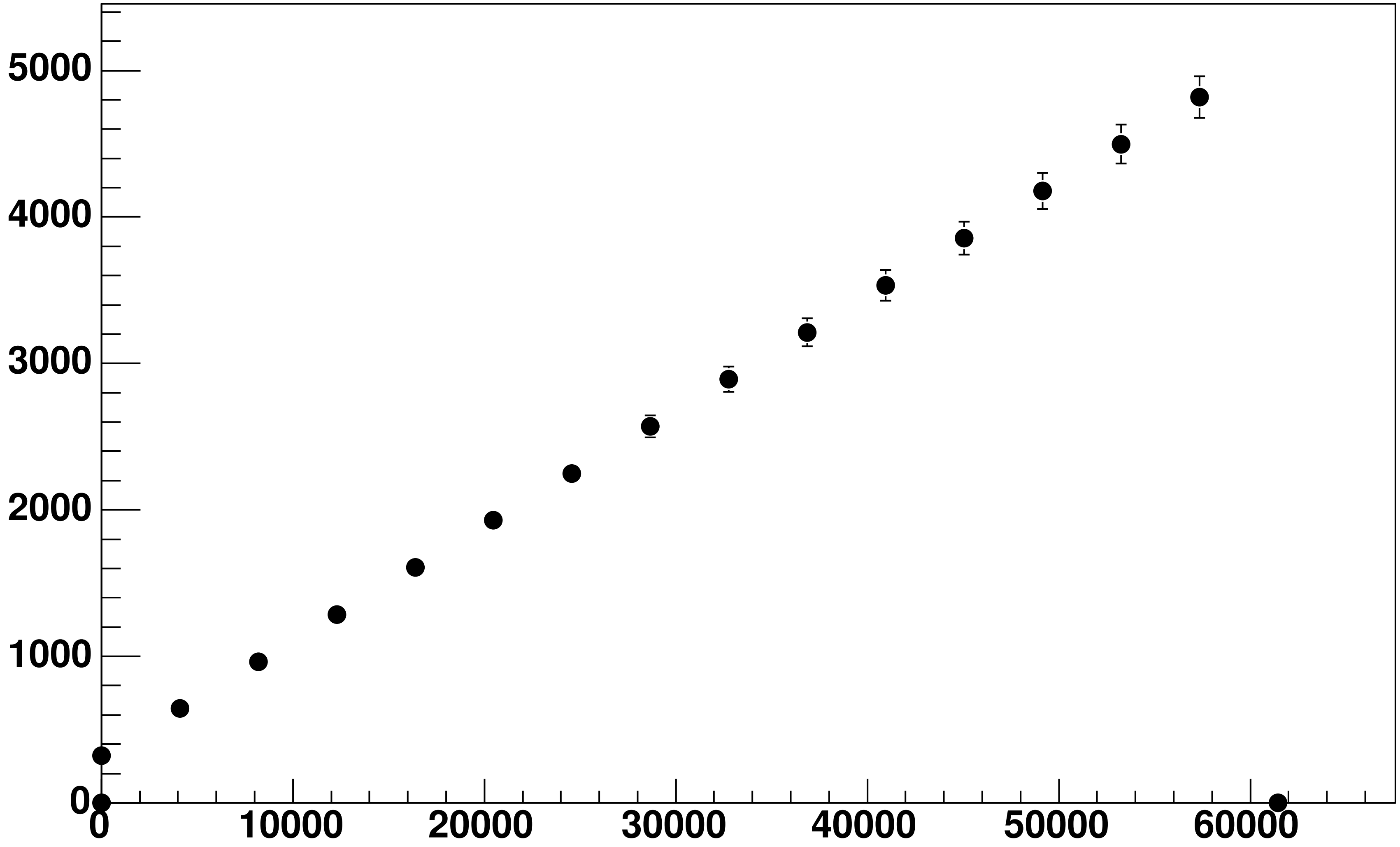


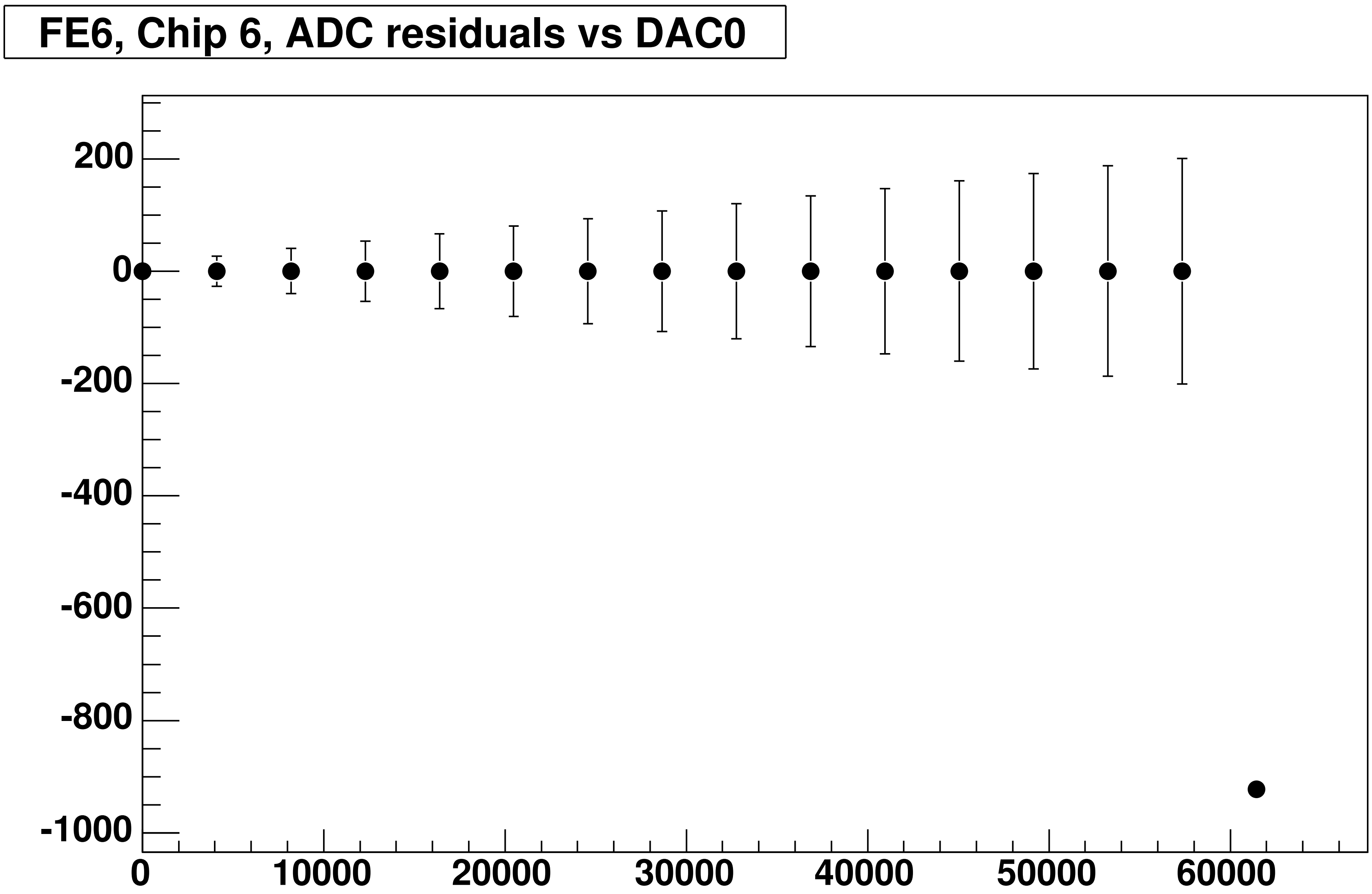
FE6, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



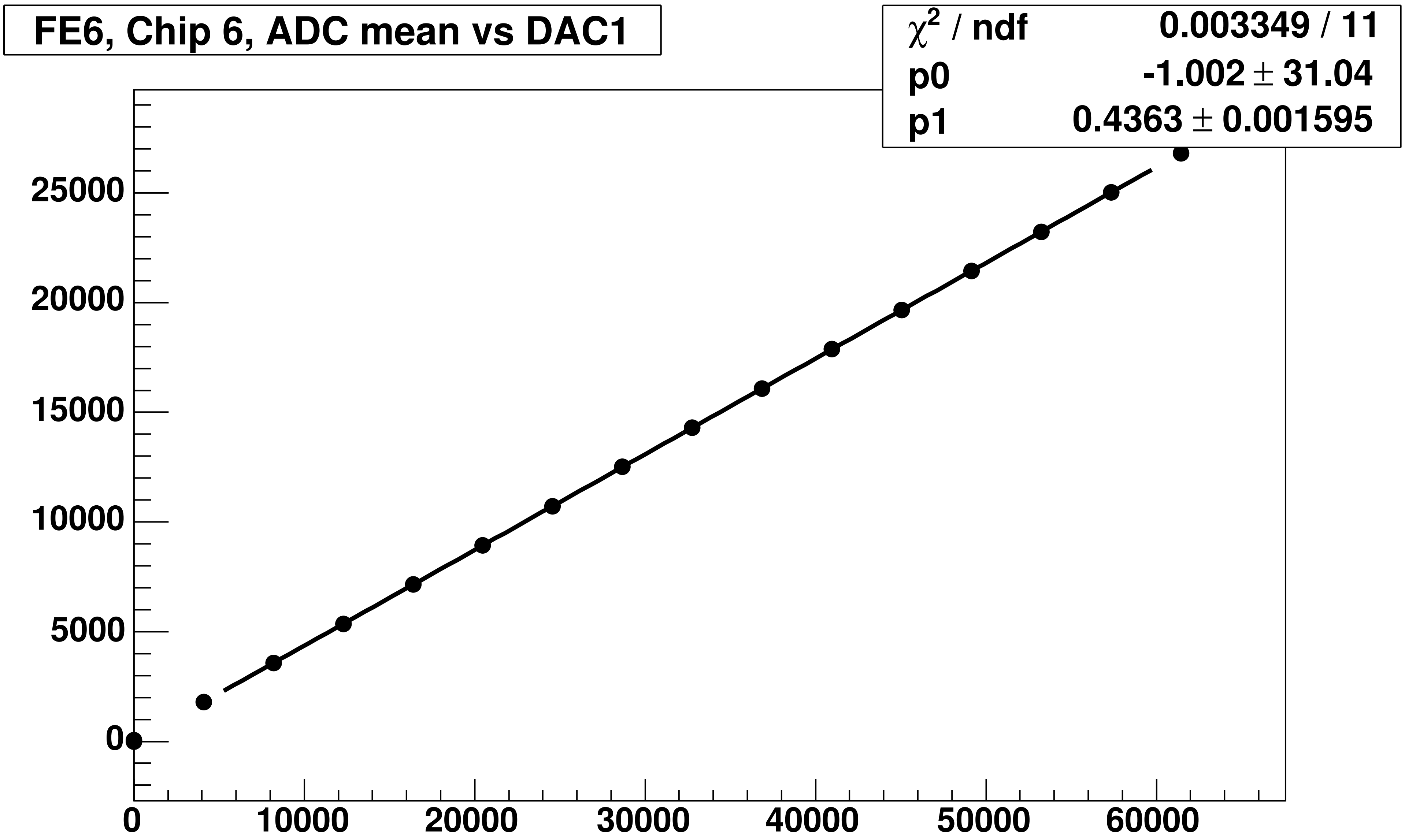
FE6, Chip 6, ADC mean vs DAC0
χ2 / ndf 1.074e-05 / 11
p0 55.11 ± 41.91
p1 0.01407 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

FE6, Chip 6, ADC noise vs DAC0

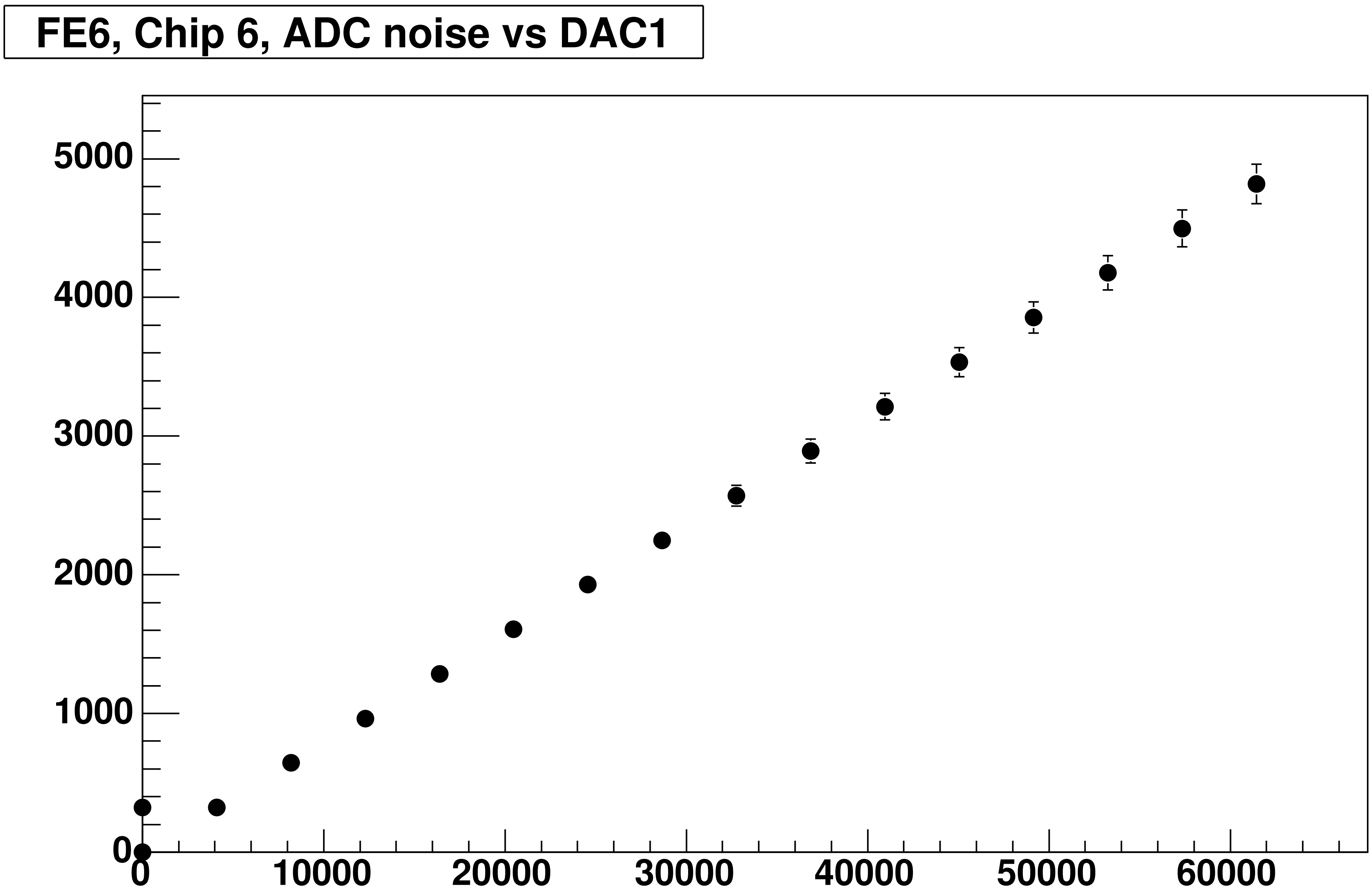


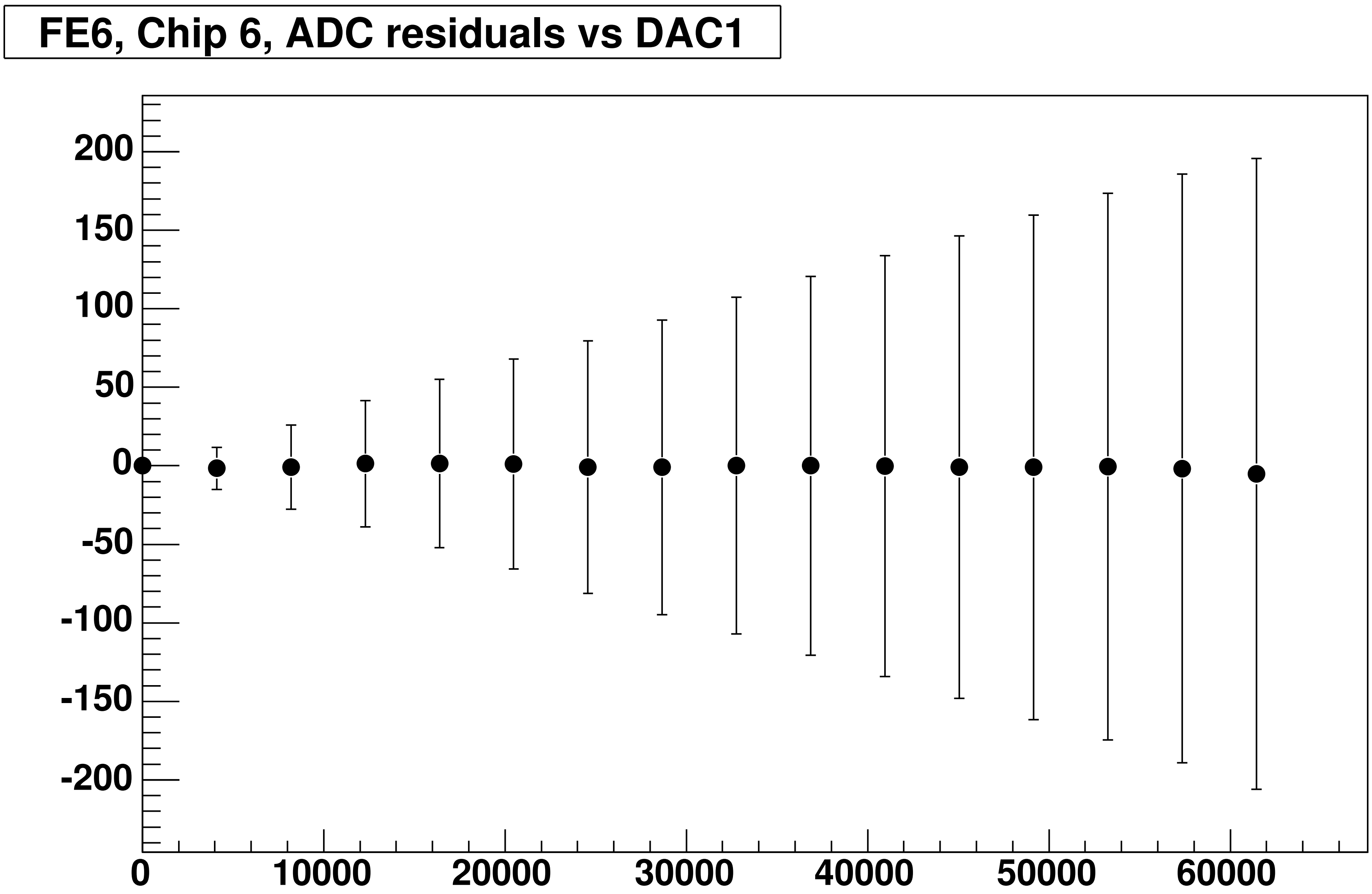


FE6, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

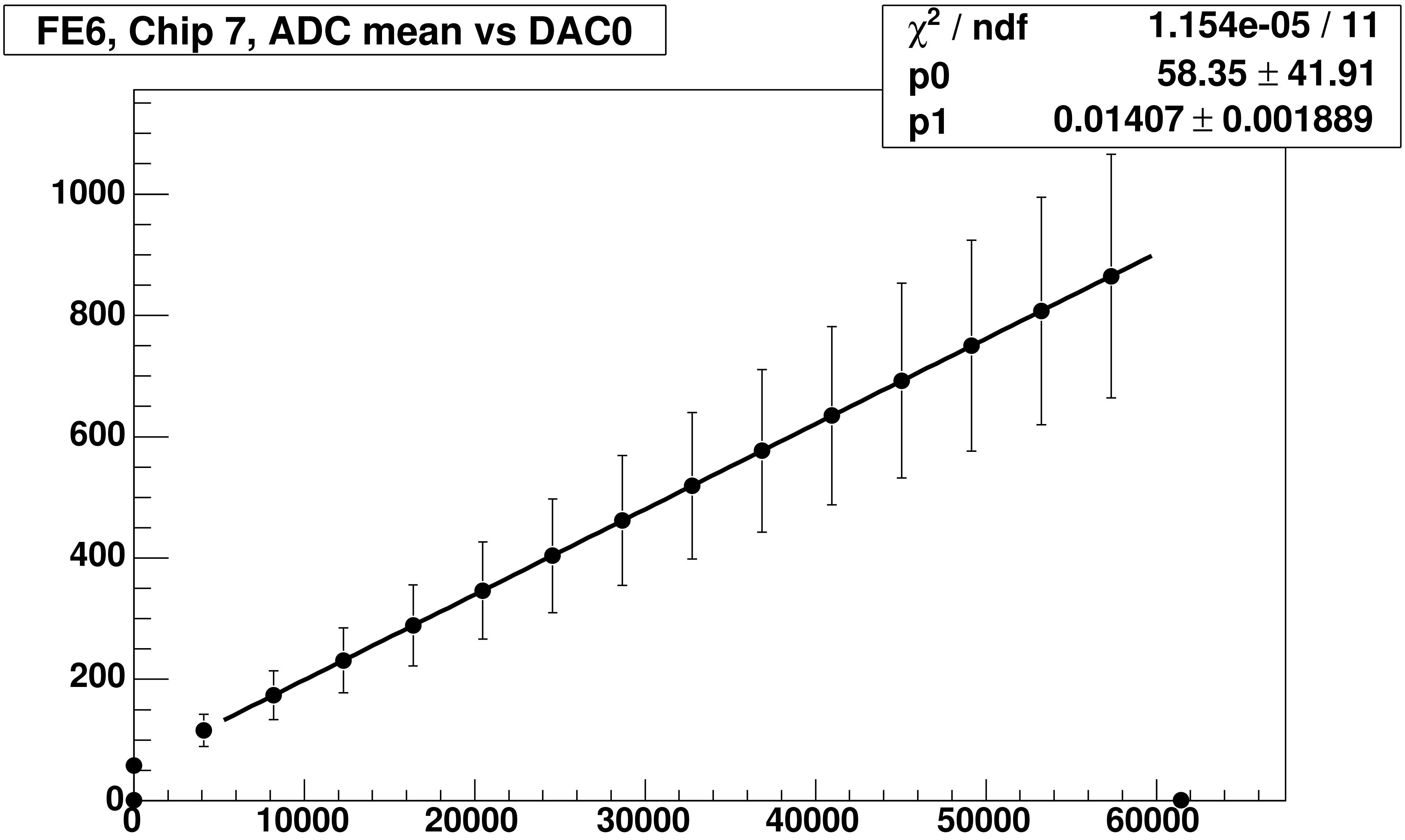


FE6, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.003349 / 11
p0 -1.002 ± 31.04
p1 0.4363 ± 0.001595
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

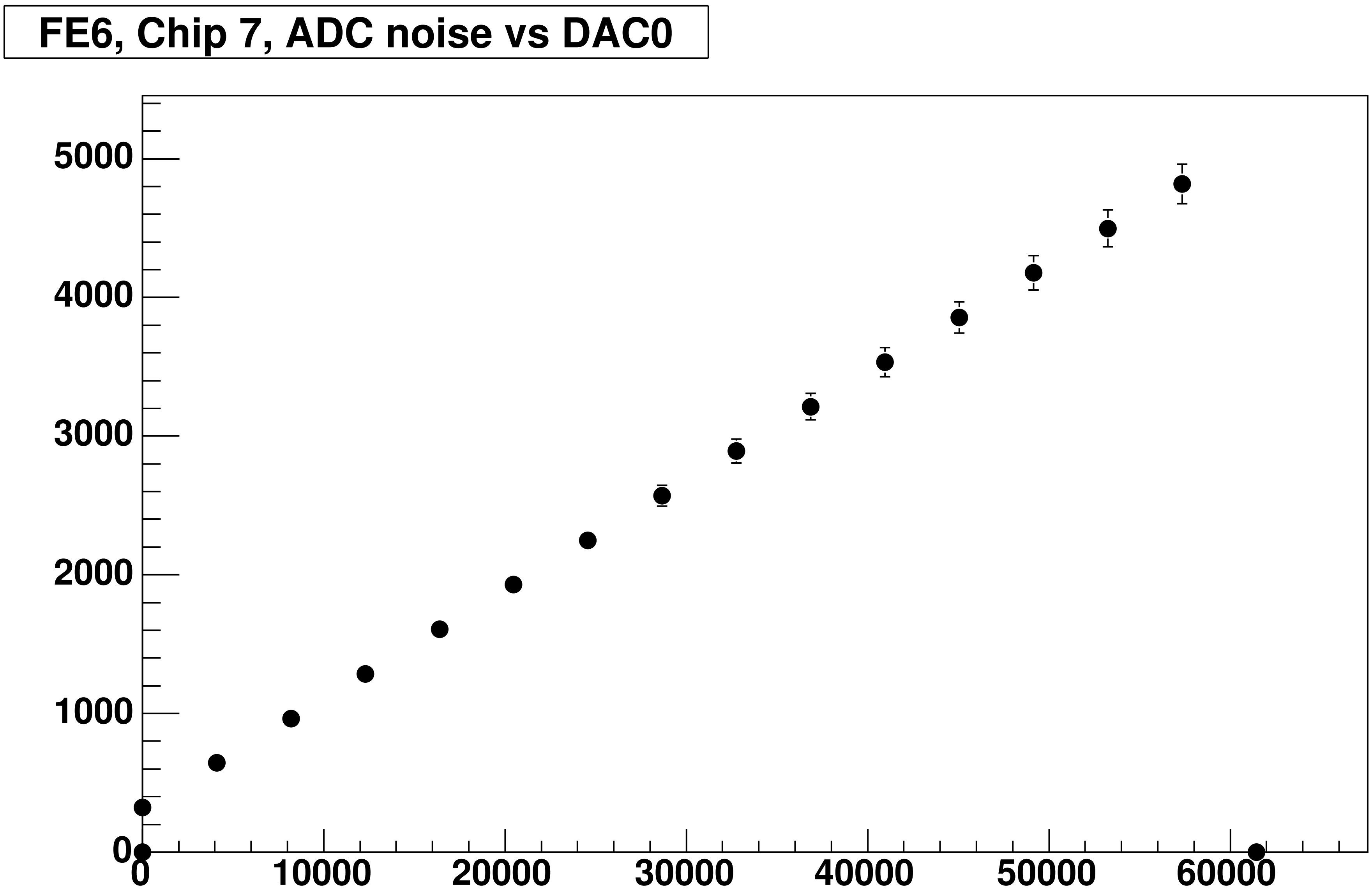

FE6, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

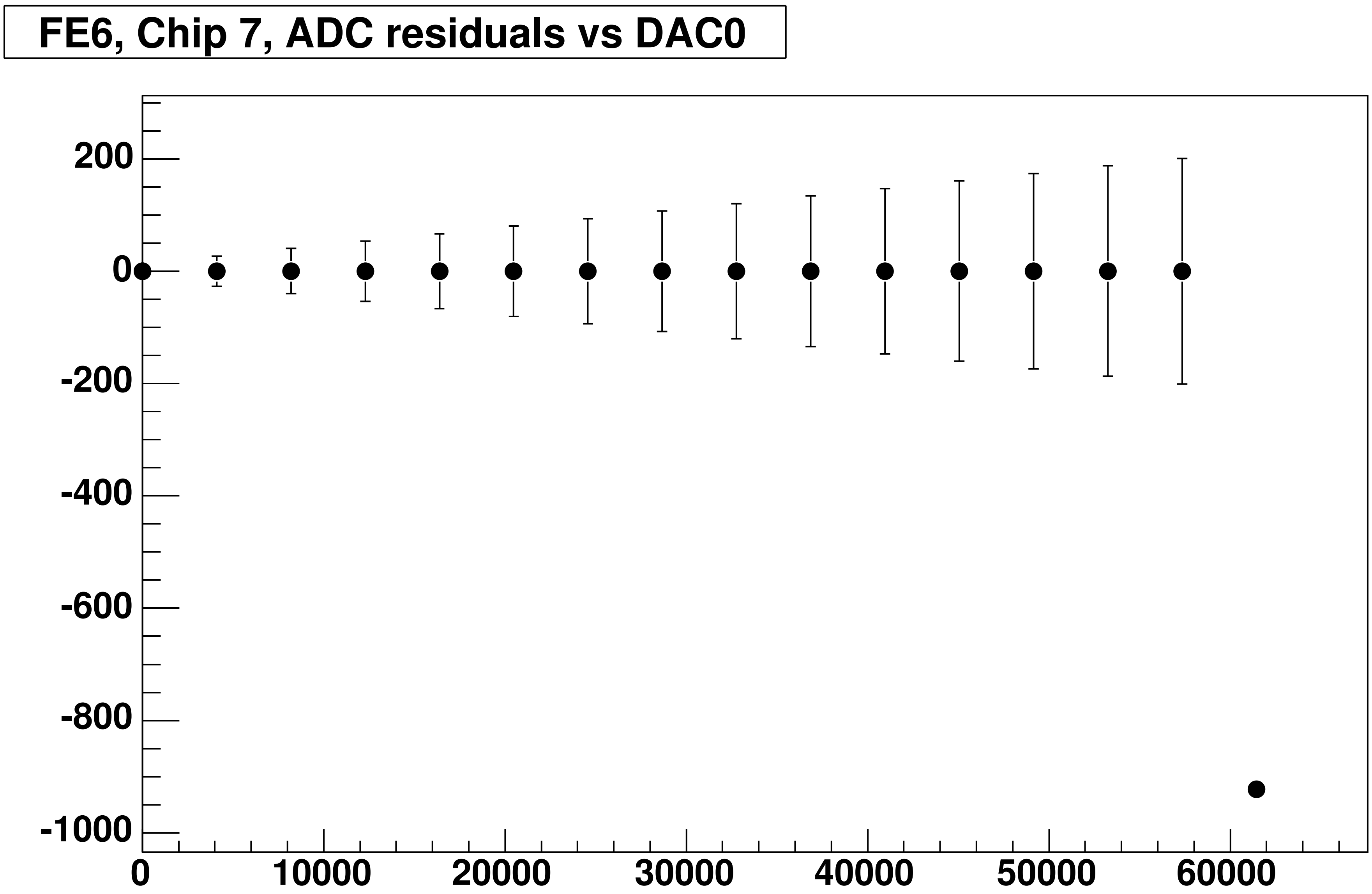


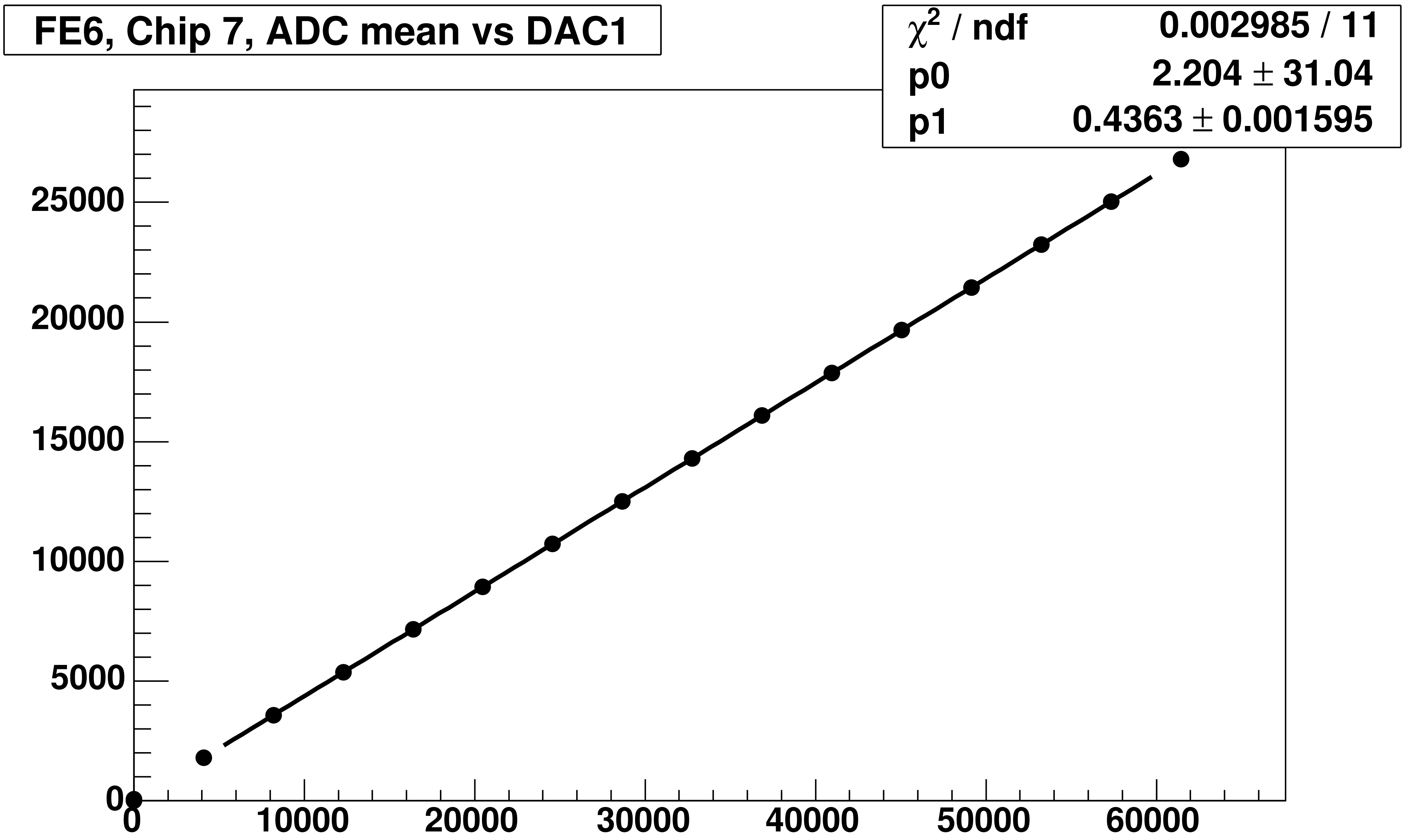
FE6, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



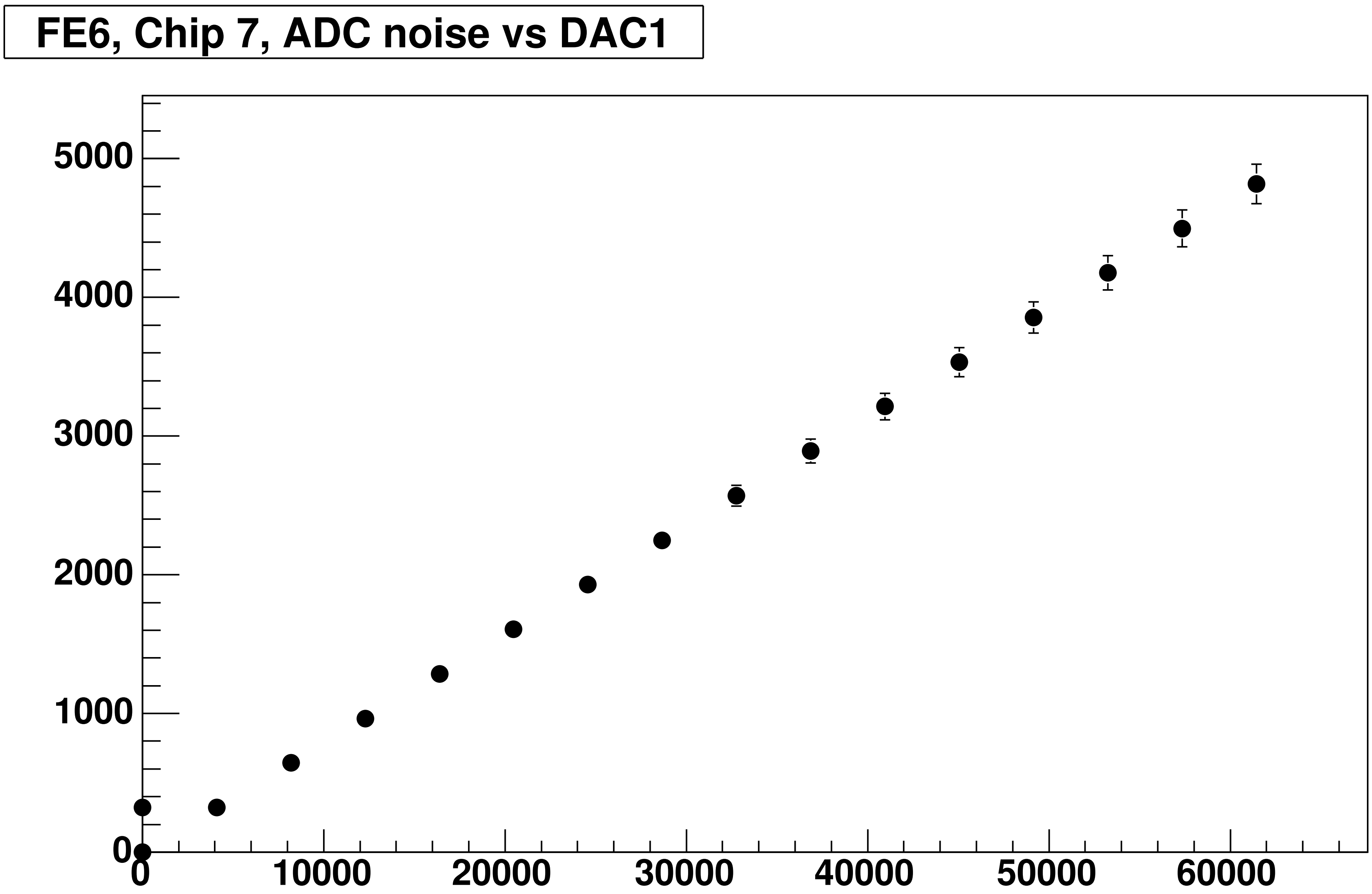
FE6, Chip 7, ADC mean vs DAC0
χ^2 / ndf 1.154e-05 / 11
p0 58.35 ± 41.91
p1 0.01407 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


FE6, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

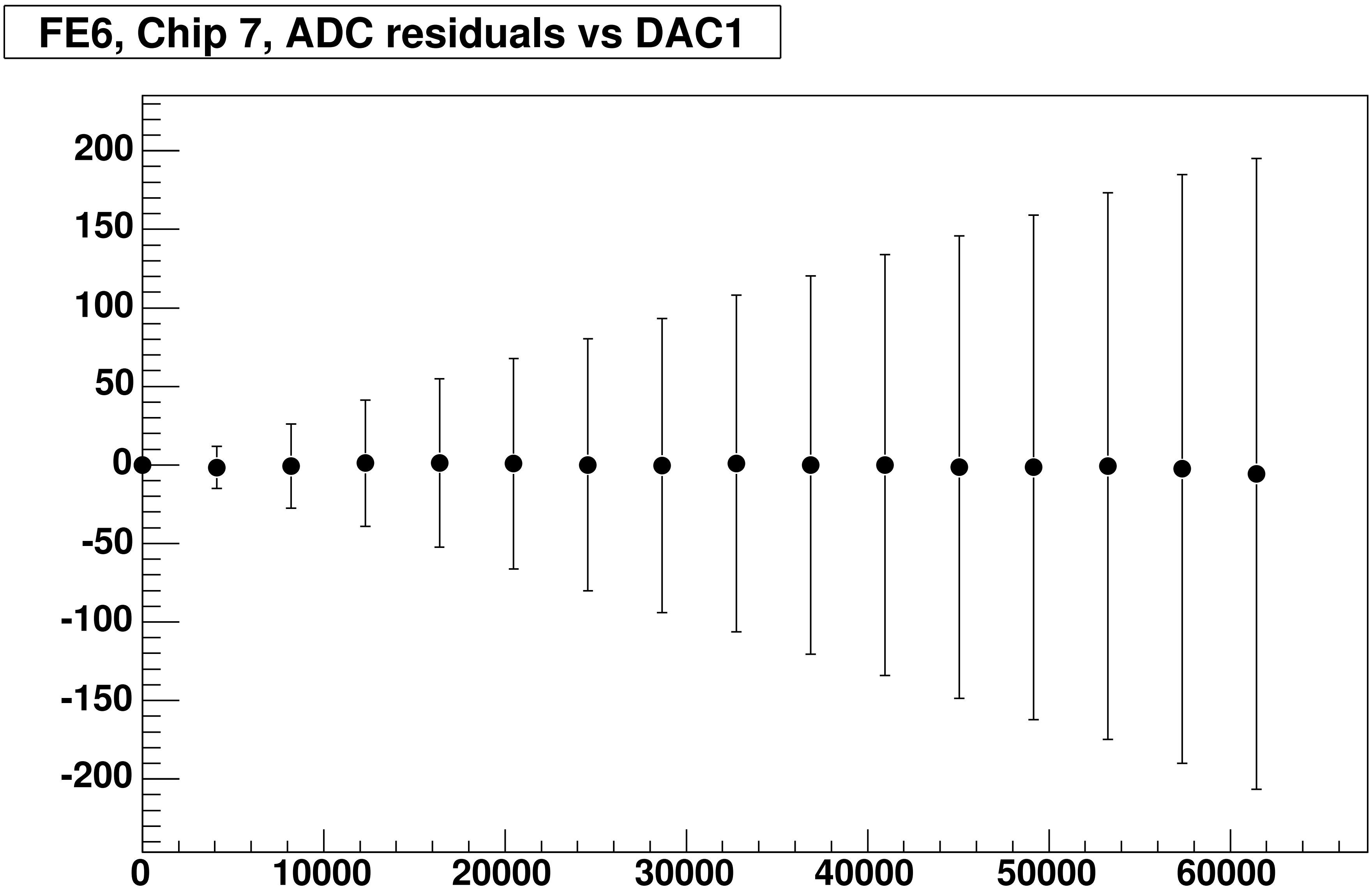

FE6, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

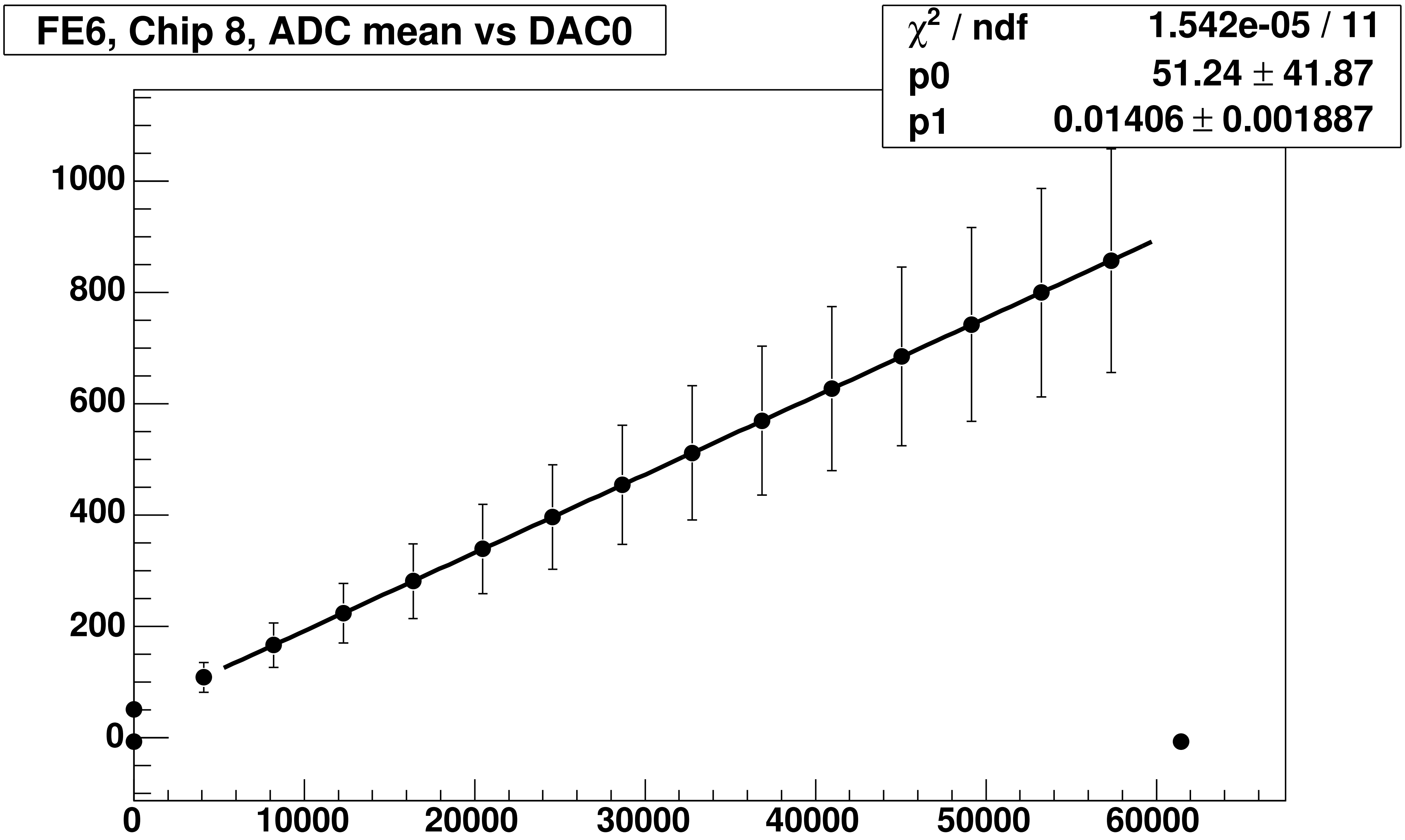


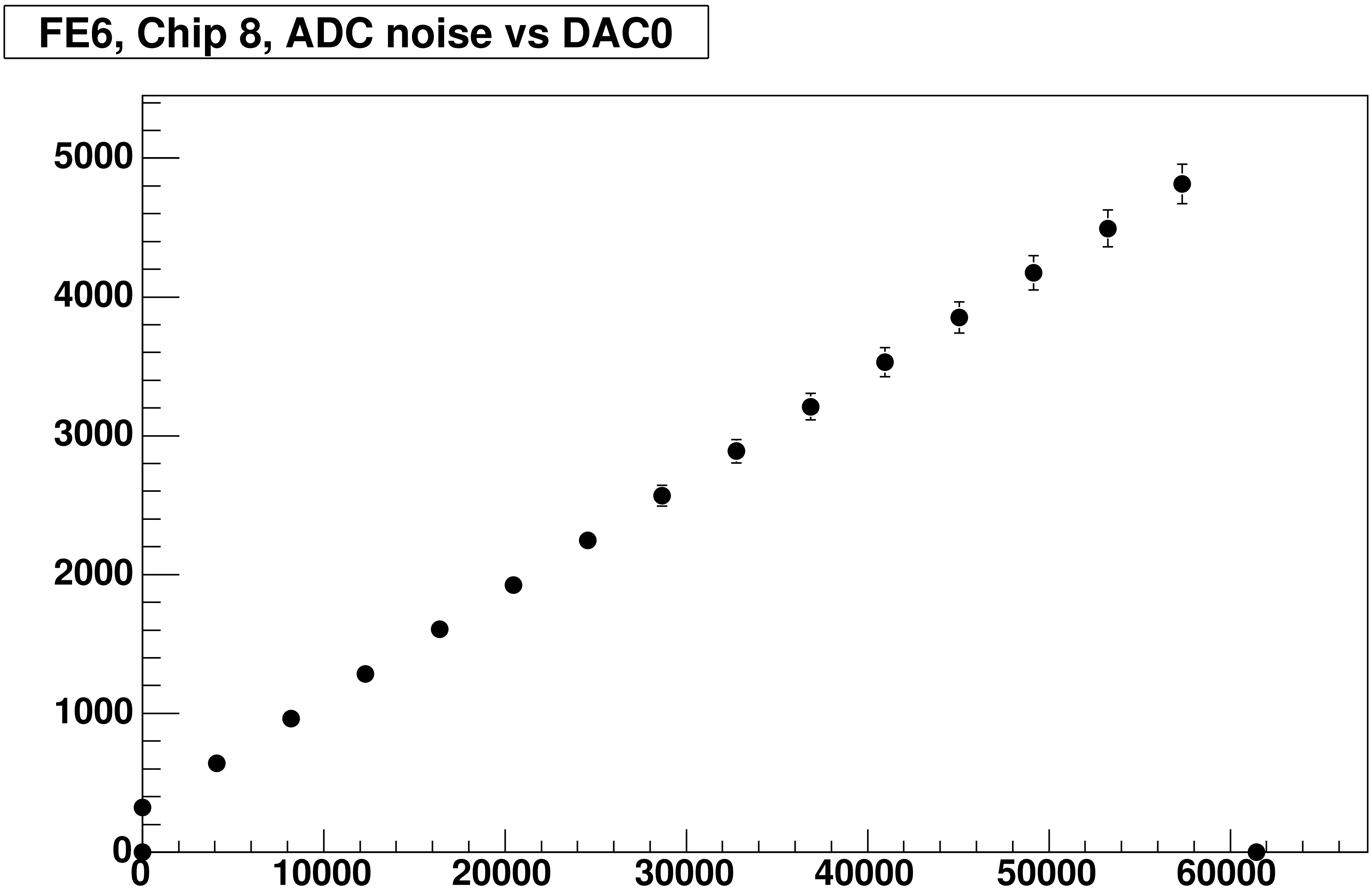
FE6, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.002985 / 11
p0 2.204 ± 31.04
p1 0.4363 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

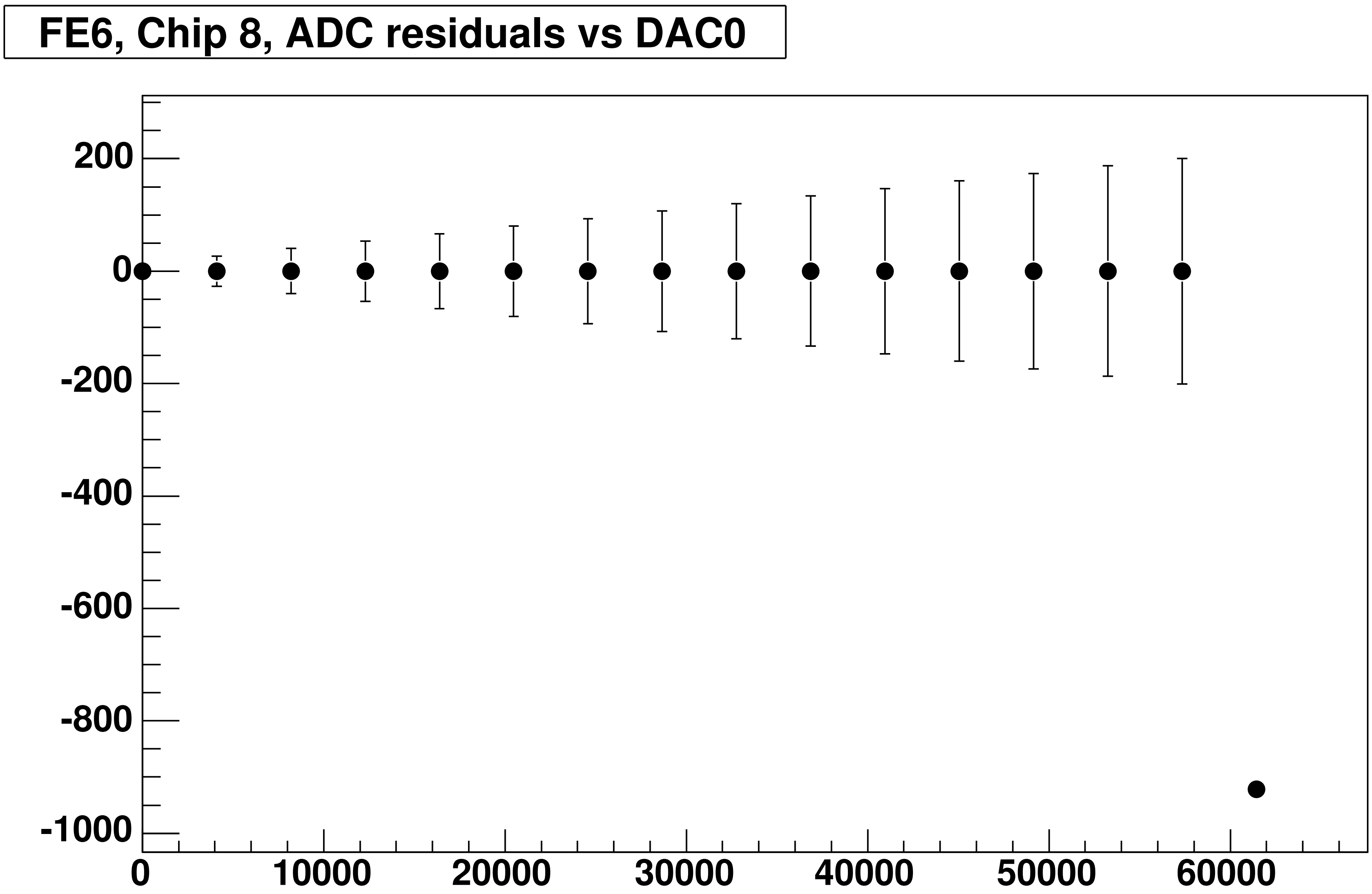


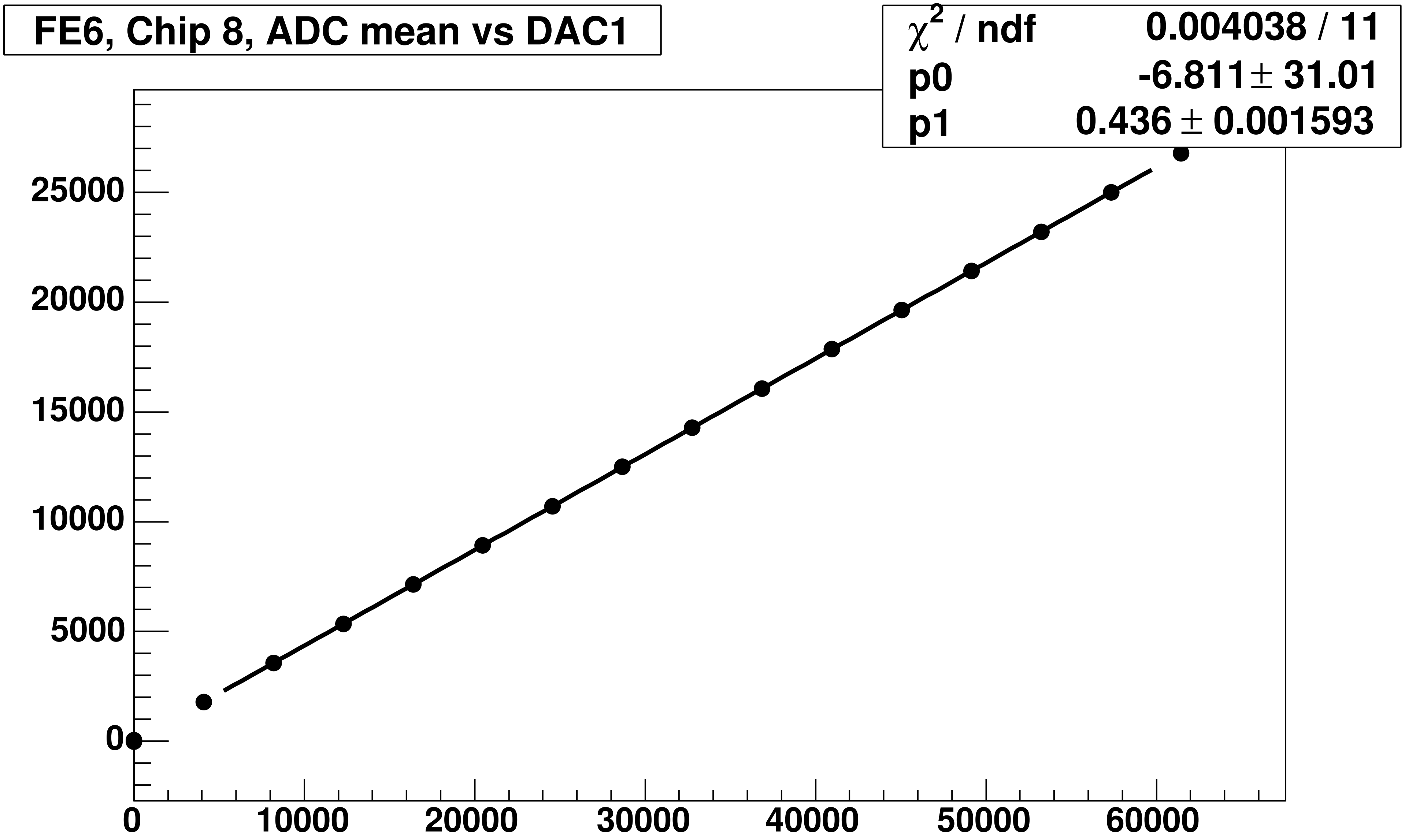
FE6, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

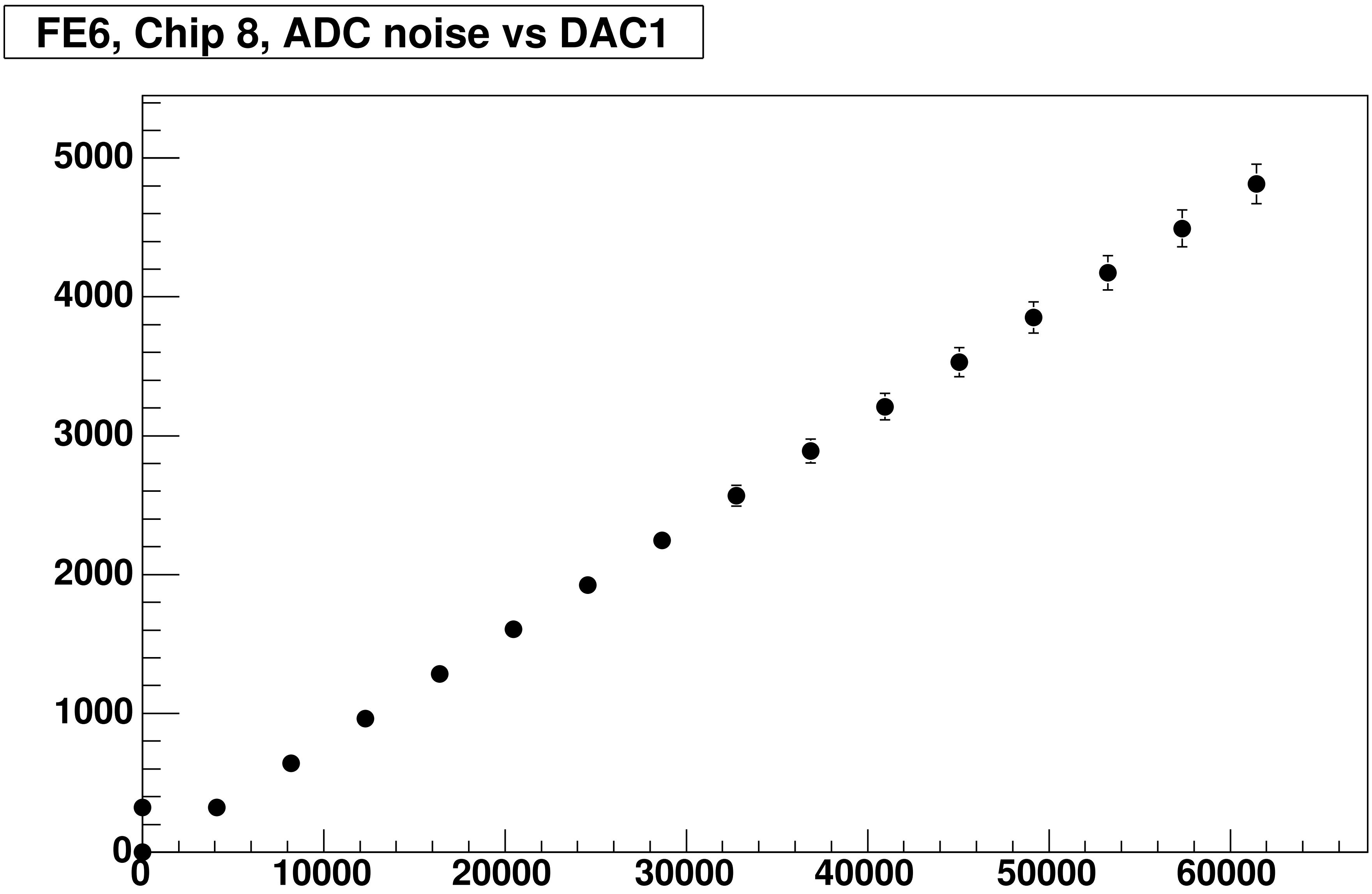

FE6, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

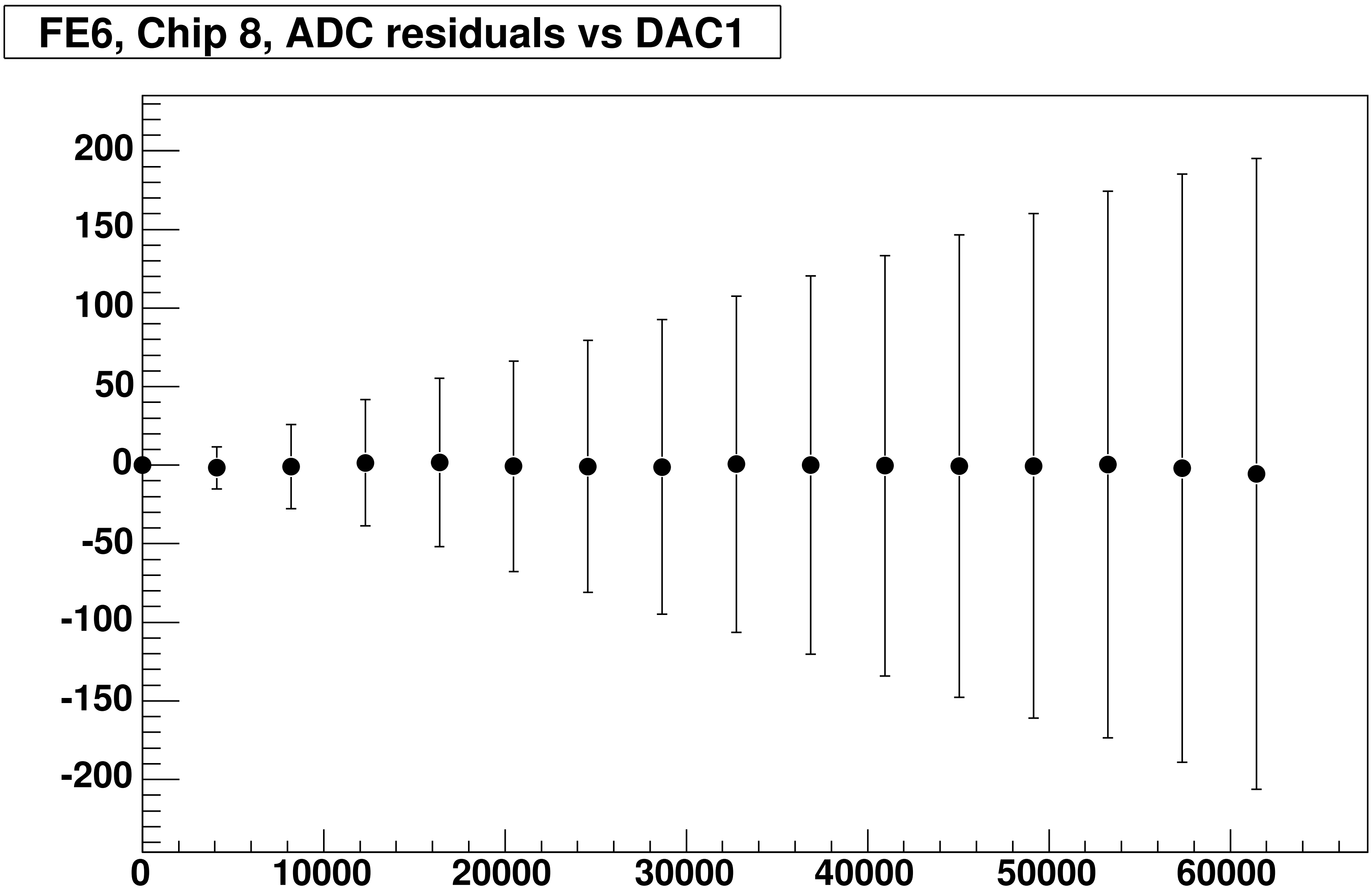

FE6, Chip 8, ADC mean vs DAC0
χ2 / ndf 1.542e-05 / 11
p0 51.24 ± 41.87
p1 0.01406 ± 0.001887
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

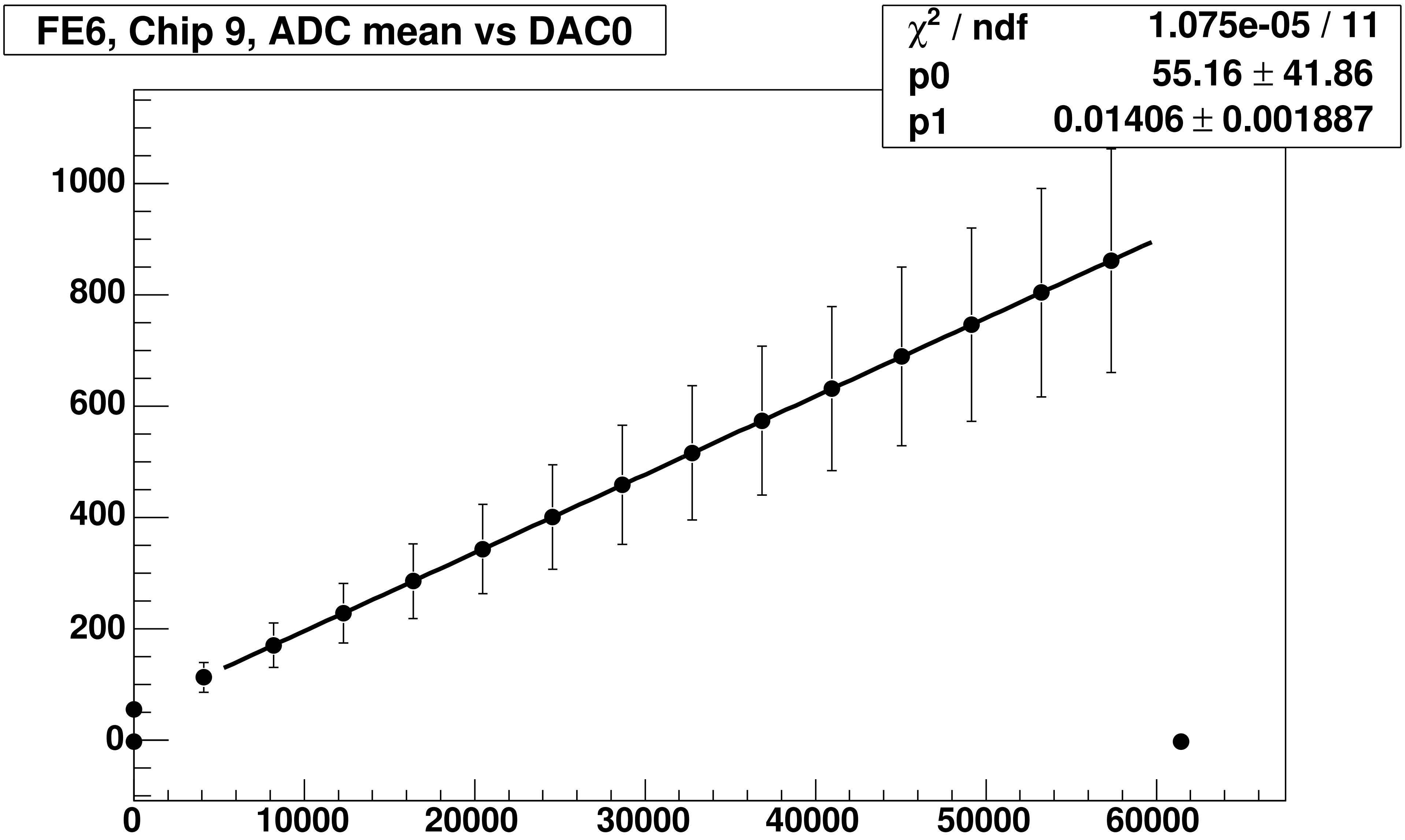

FE6, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE6, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

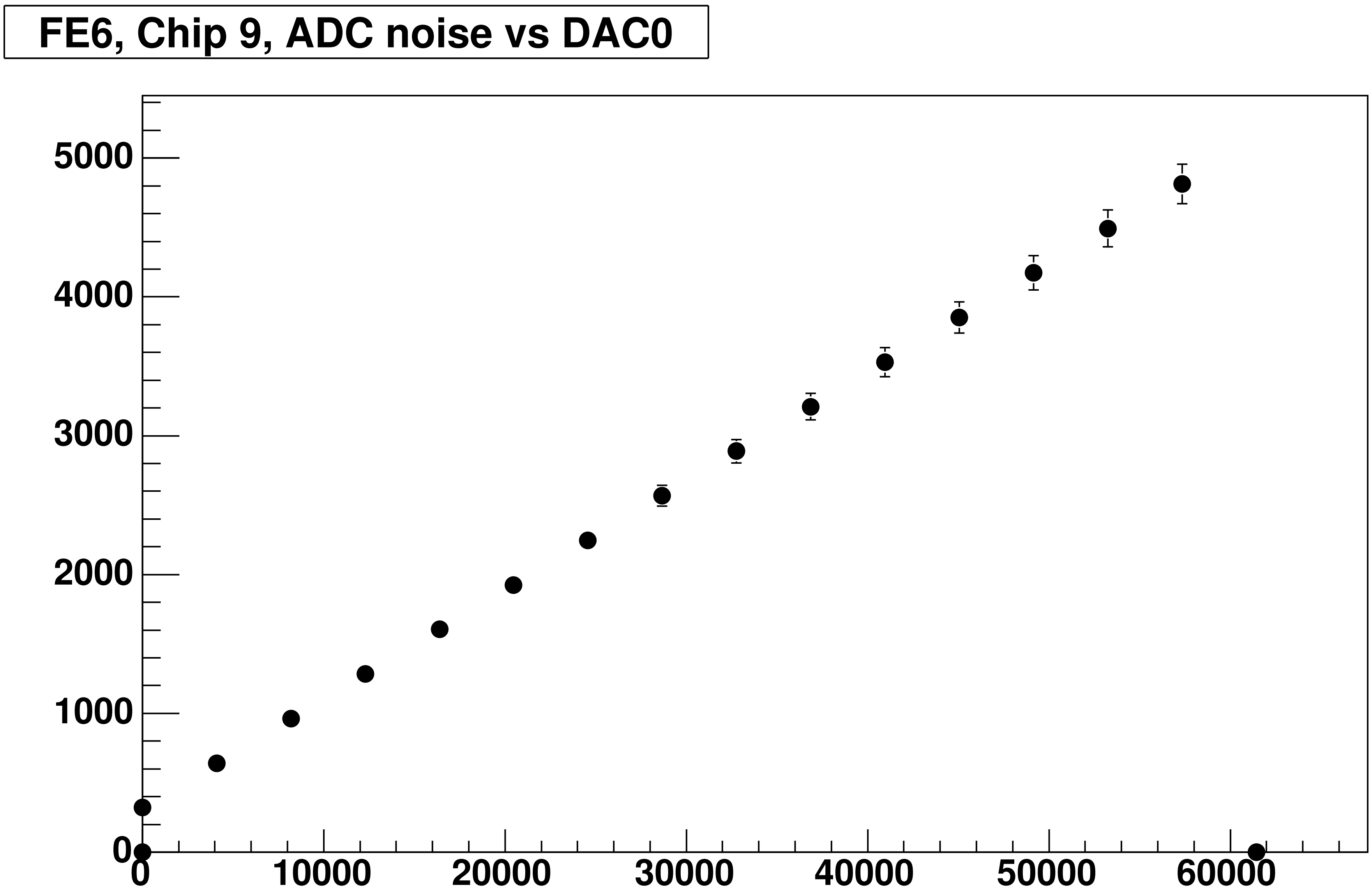

FE6, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.004038 / 11
p0 -6.811 ± 31.01
p1 0.436 ± 0.001593
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

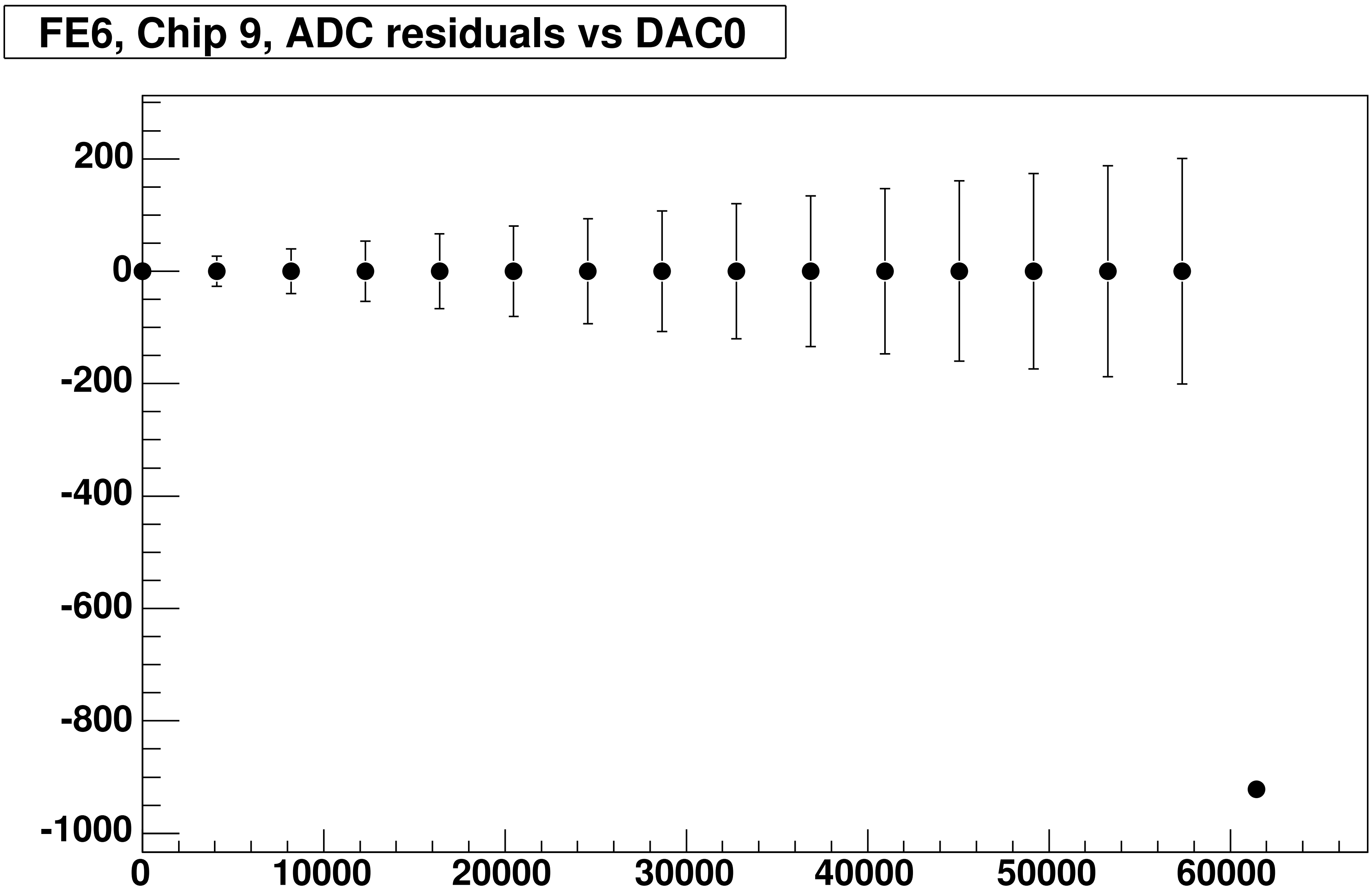

FE6, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE6, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

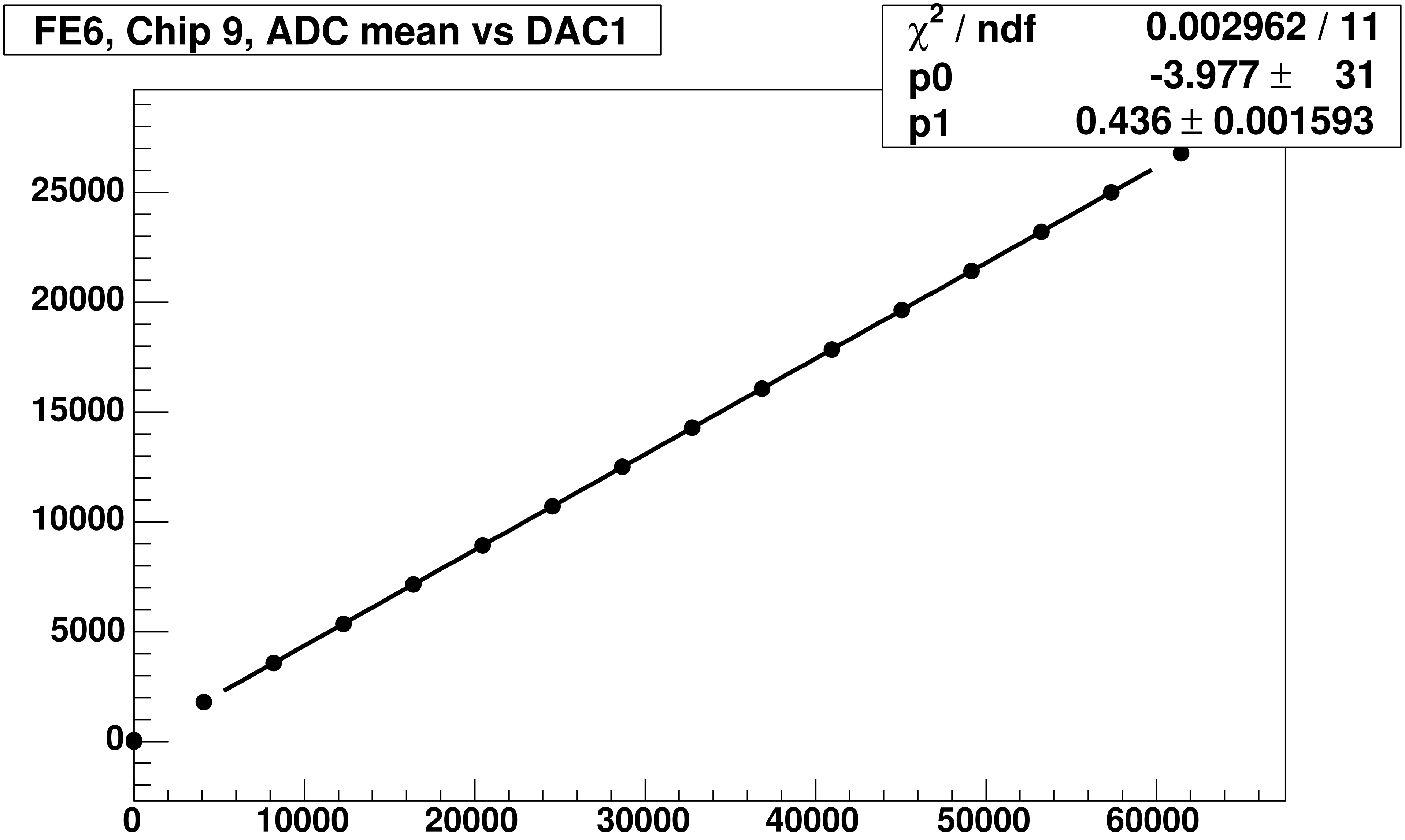


FE6, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.075e-05 / 11
p0 55.16 ± 41.86
p1 0.01406 ± 0.001887
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

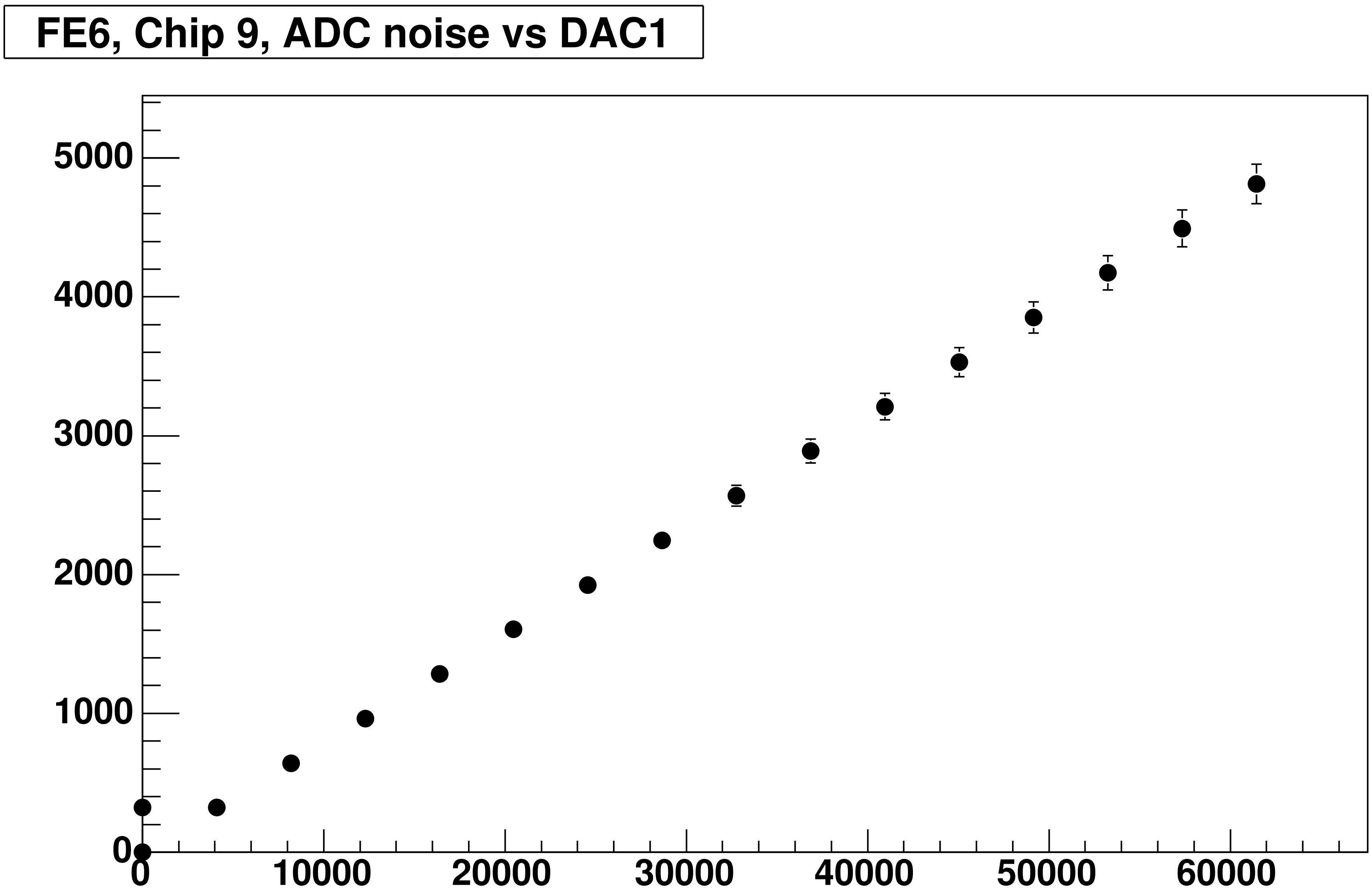

FE6, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

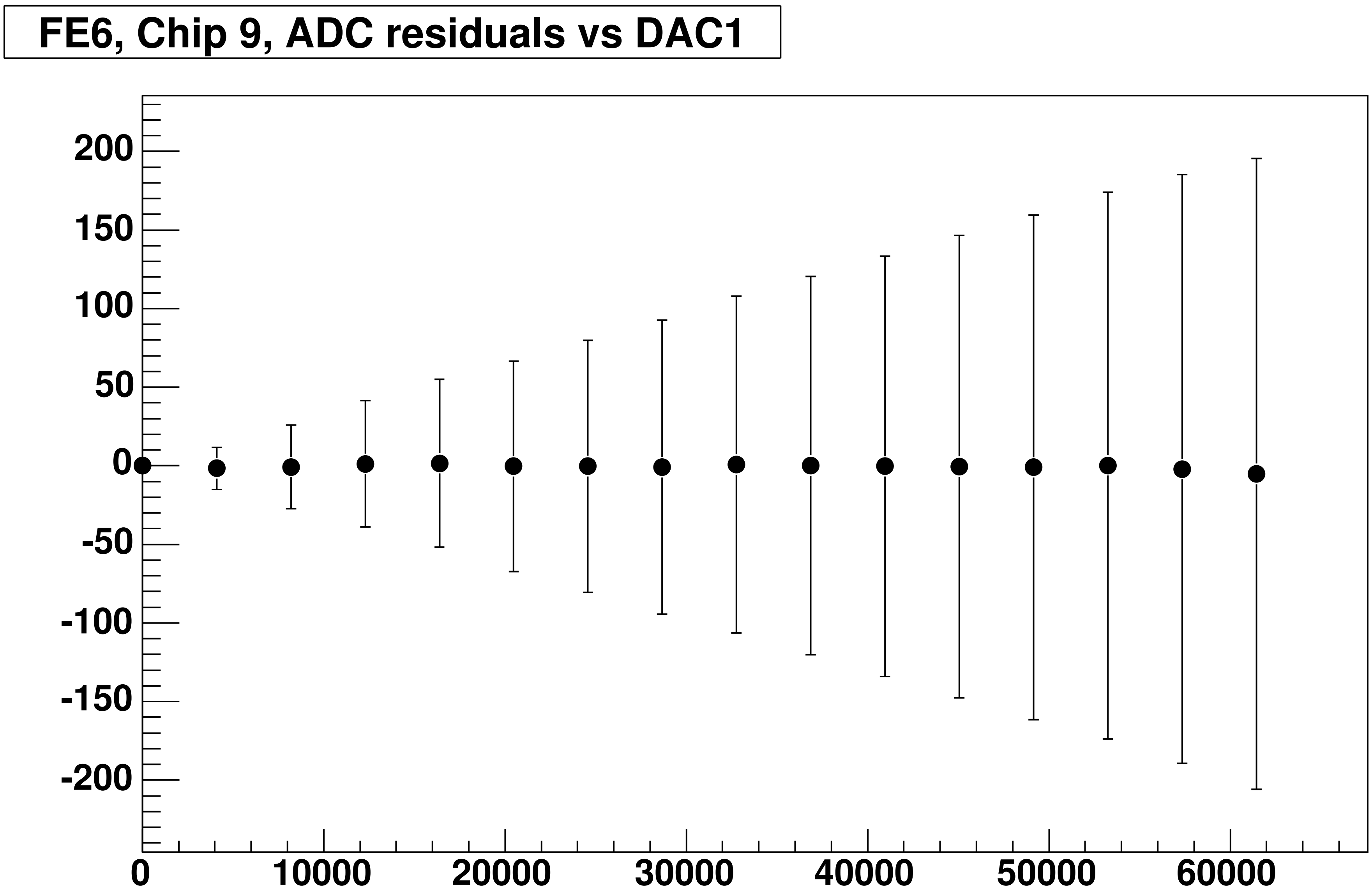


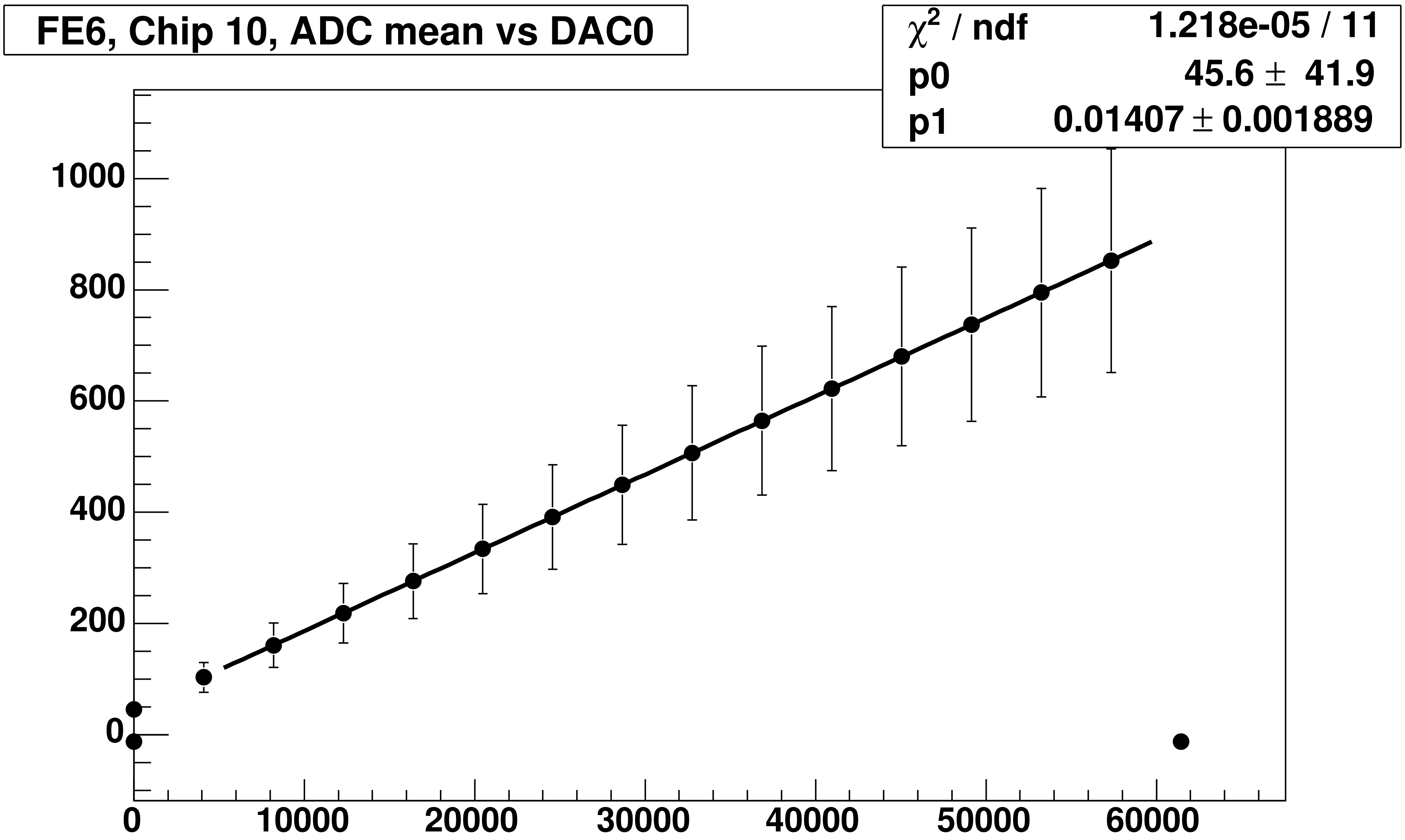
FE6, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



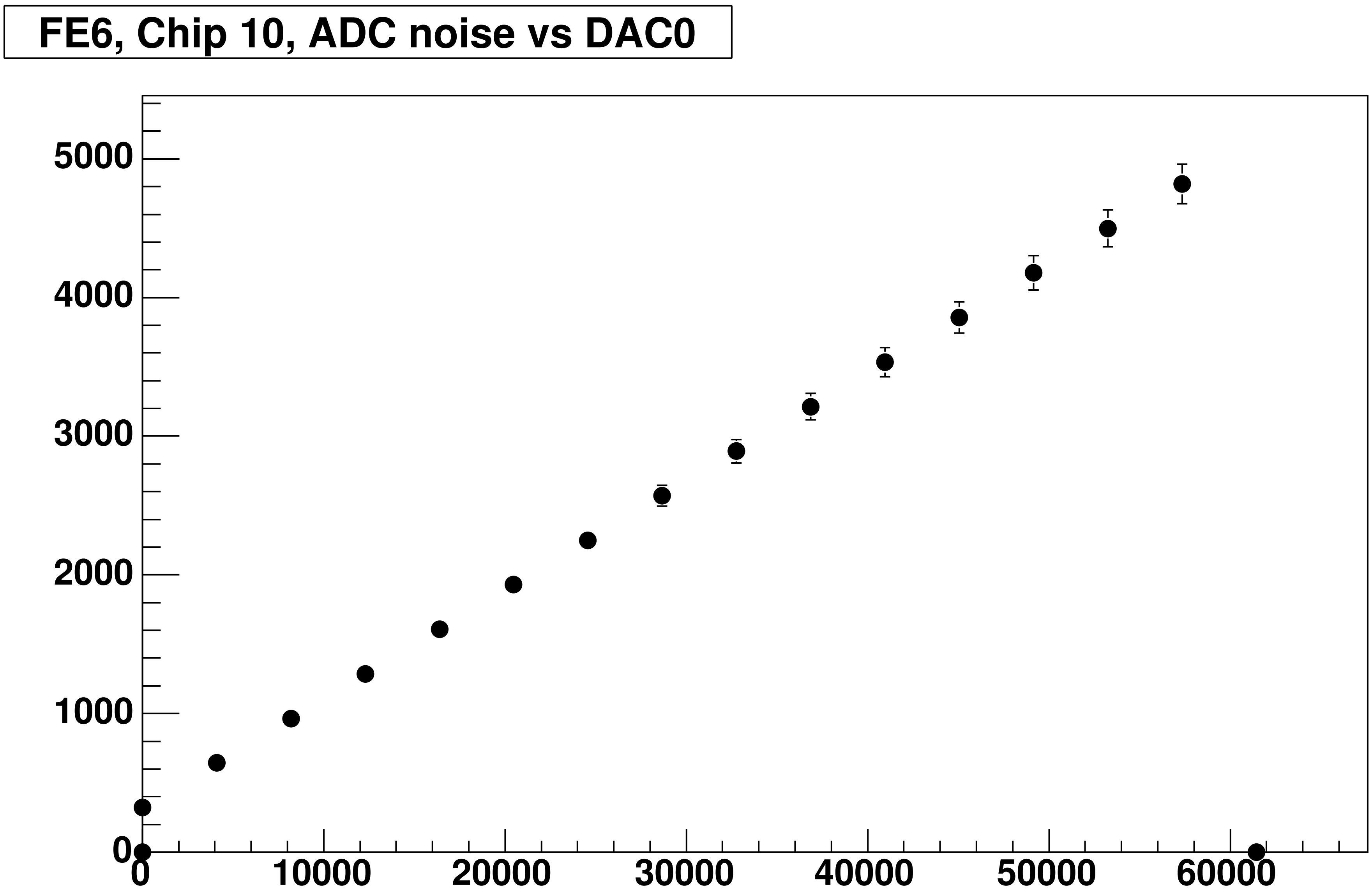
FE6, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.002962 / 11
p0 -3.977 ± 31
p1 0.436 ± 0.001593
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE6, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

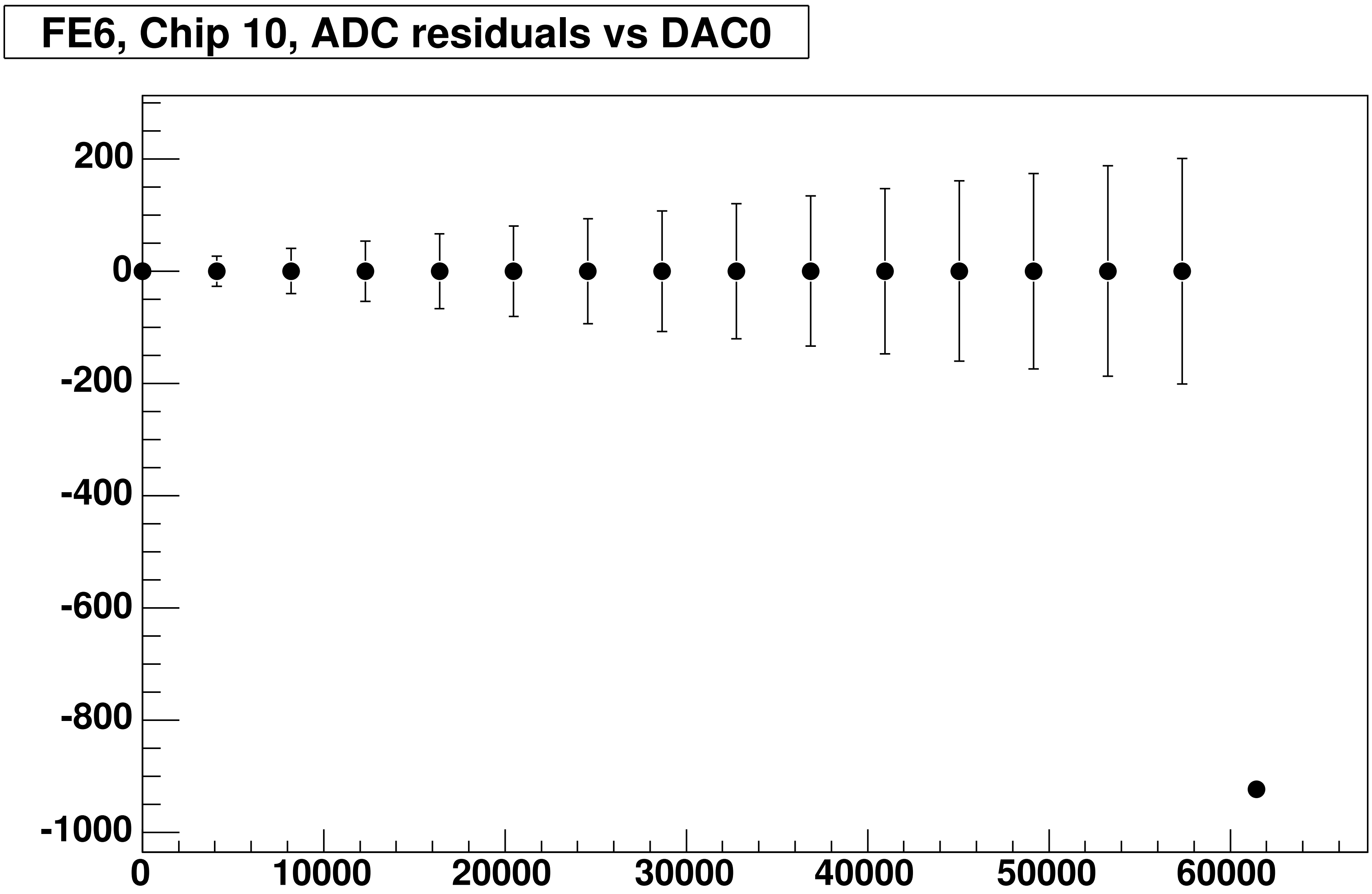

FE6, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

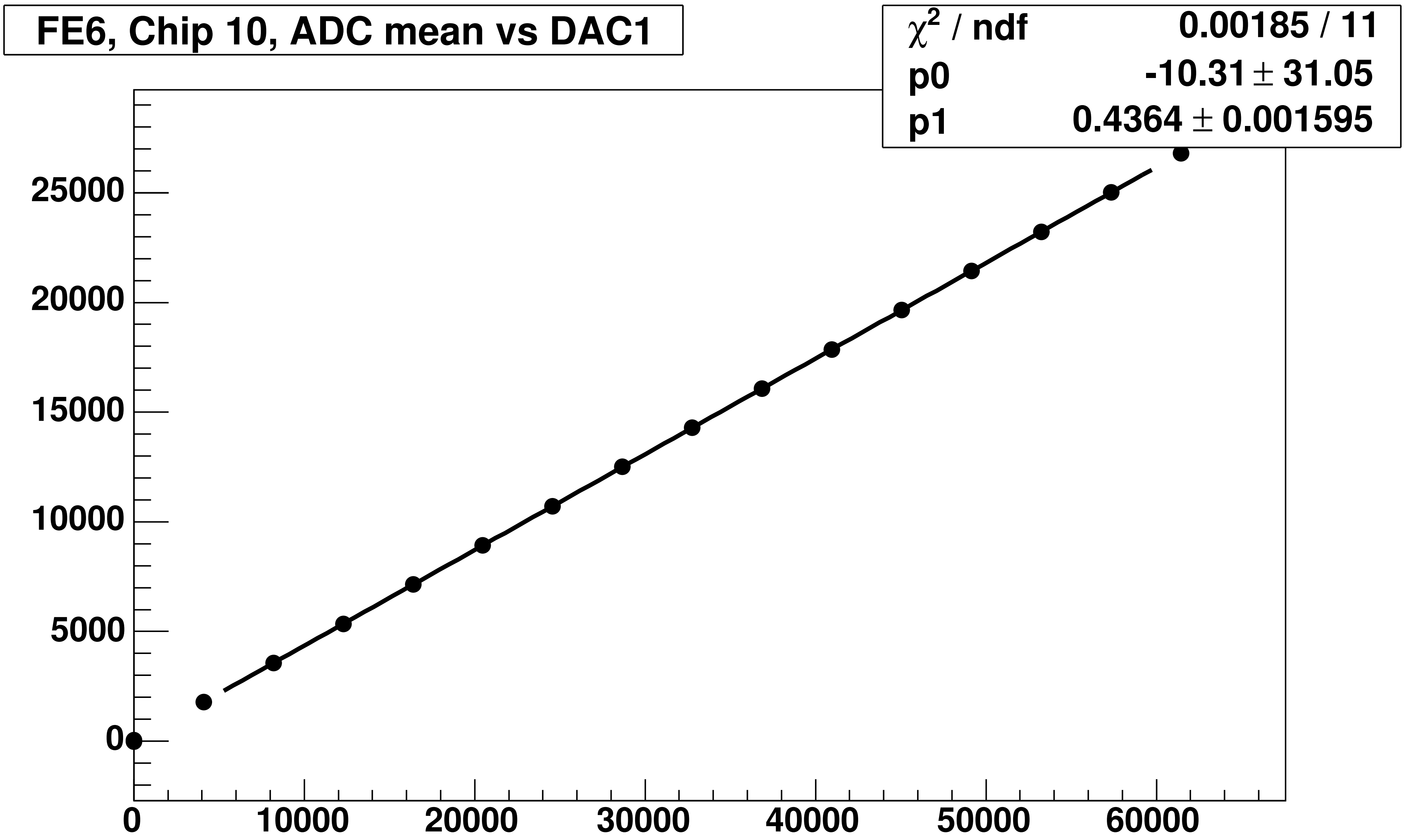


FE6, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1.218e-05 / 11
p0 45.6 ± 41.9
p1 0.01407 ± 0.001889
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

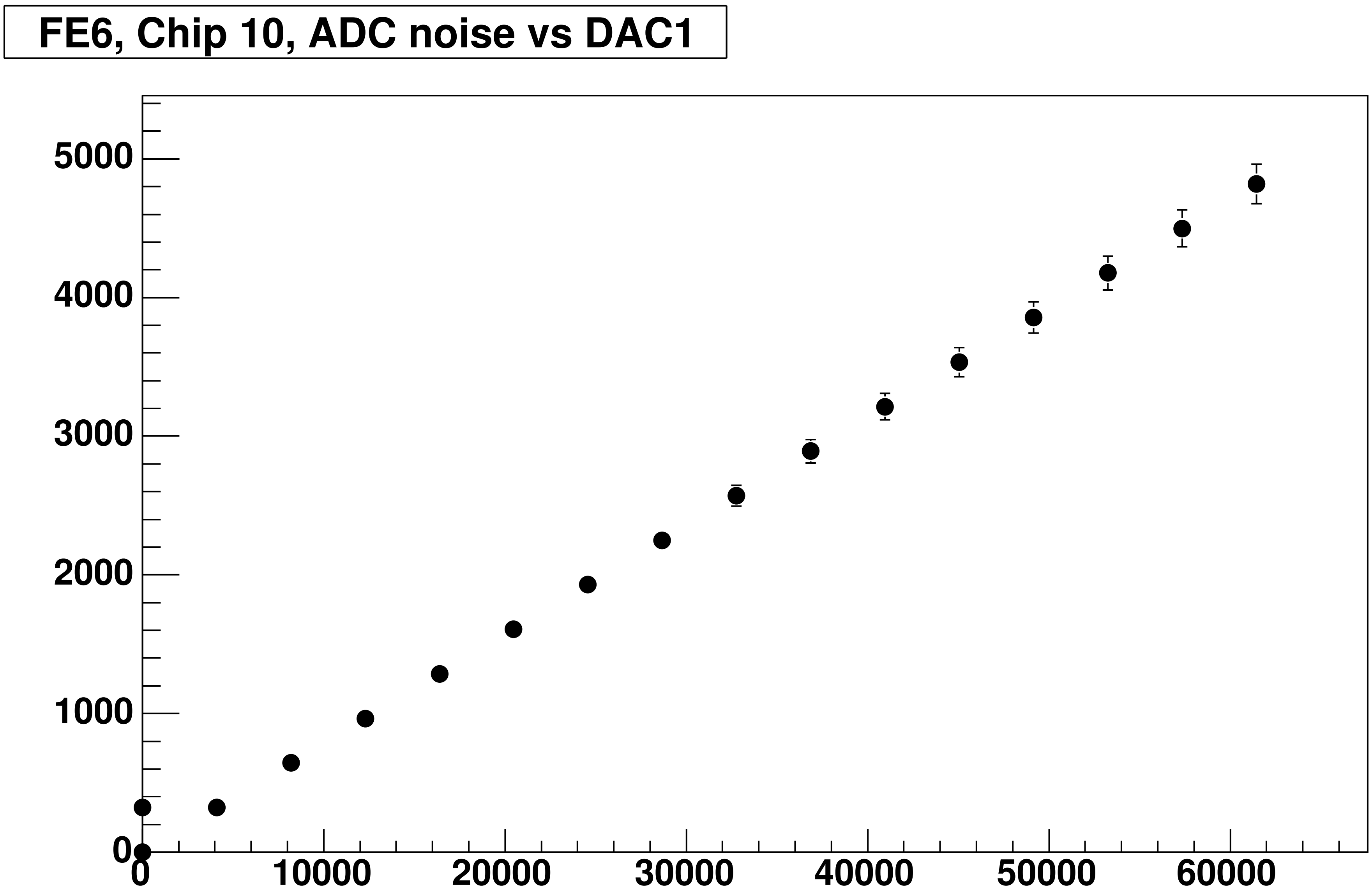


FE6, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

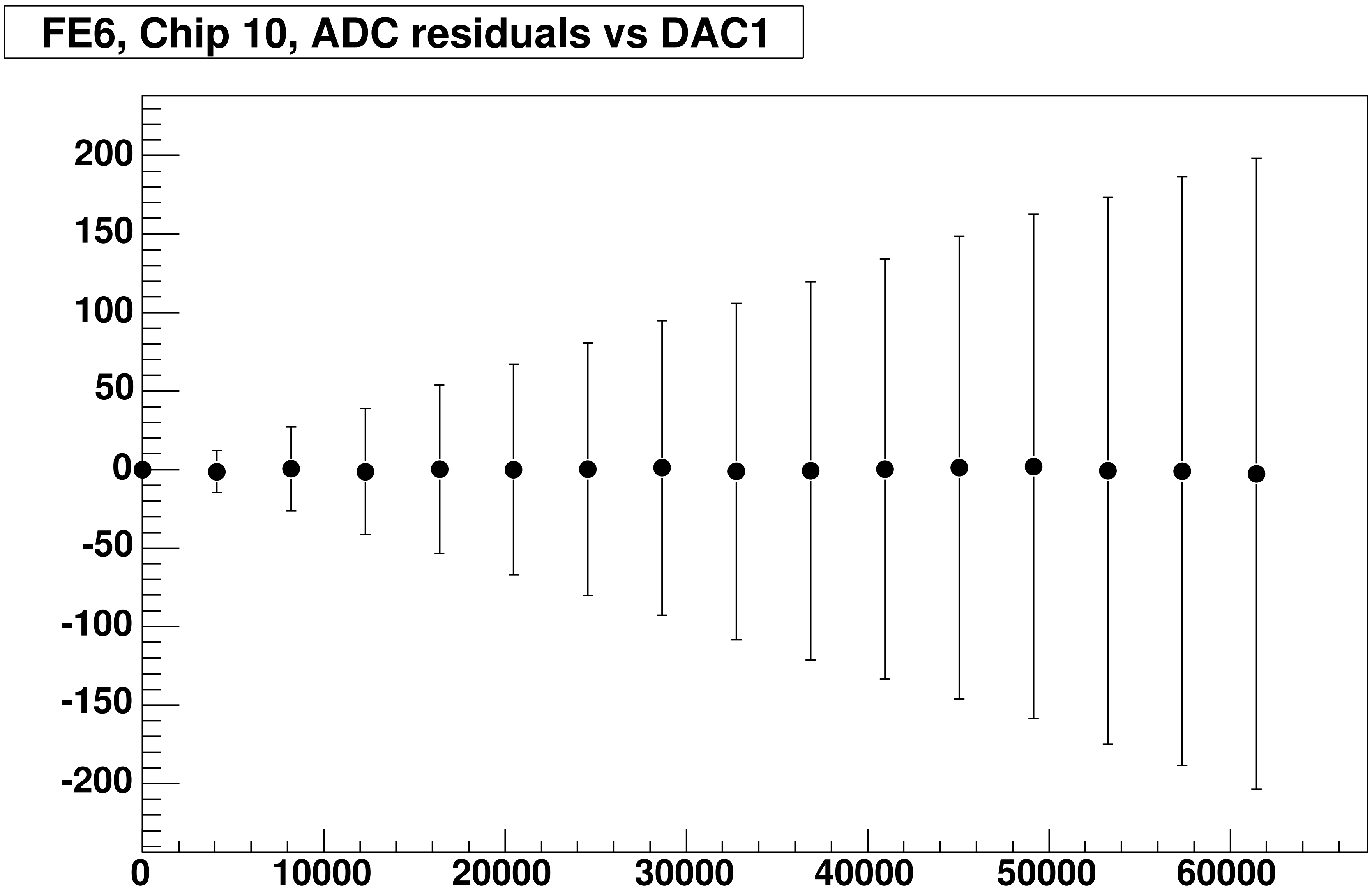

FE6, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

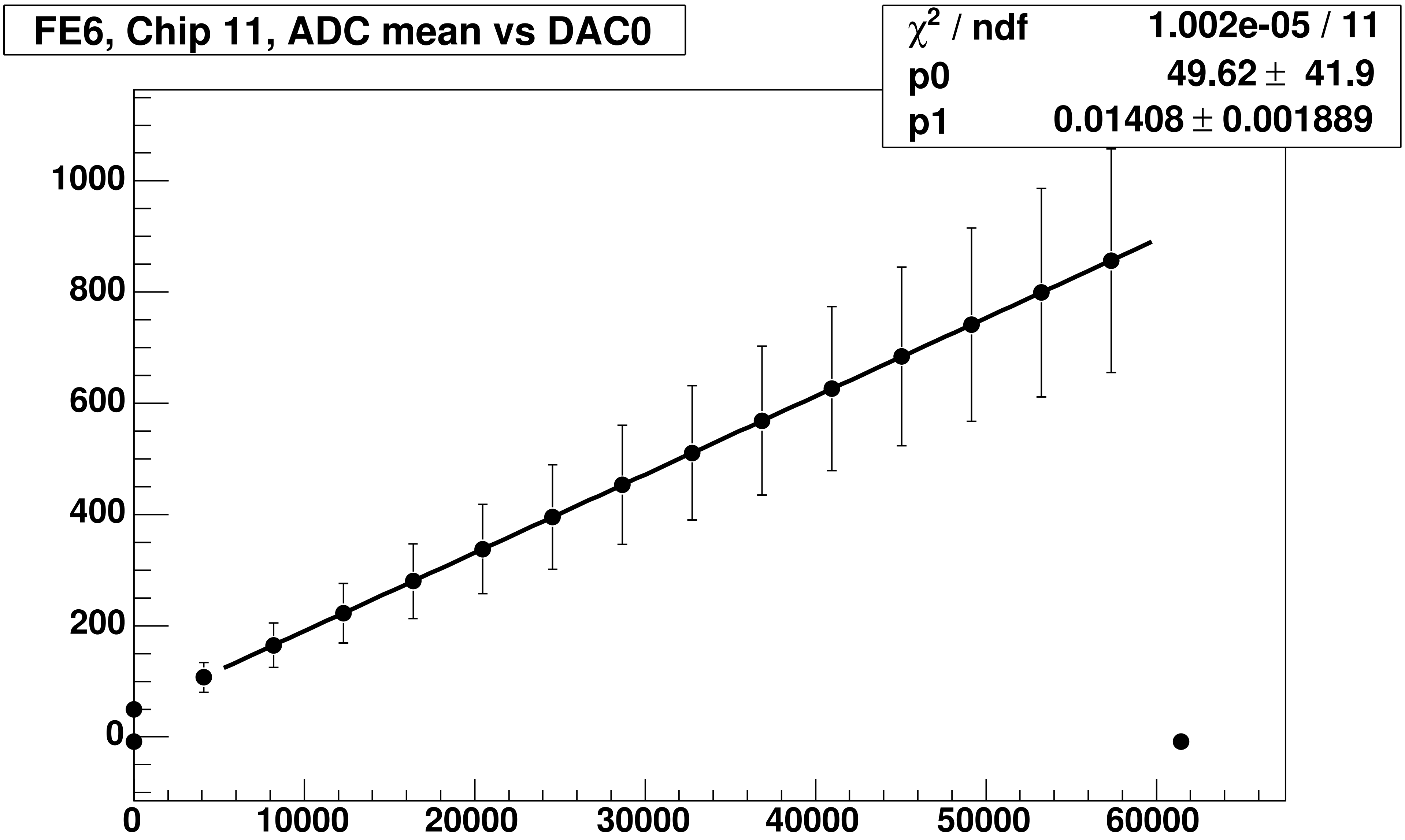


FE6, Chip 10, ADC mean vs DAC1
χ2 / ndf 0.00185 / 11
p0 -10.31 ± 31.05
p1 0.4364 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

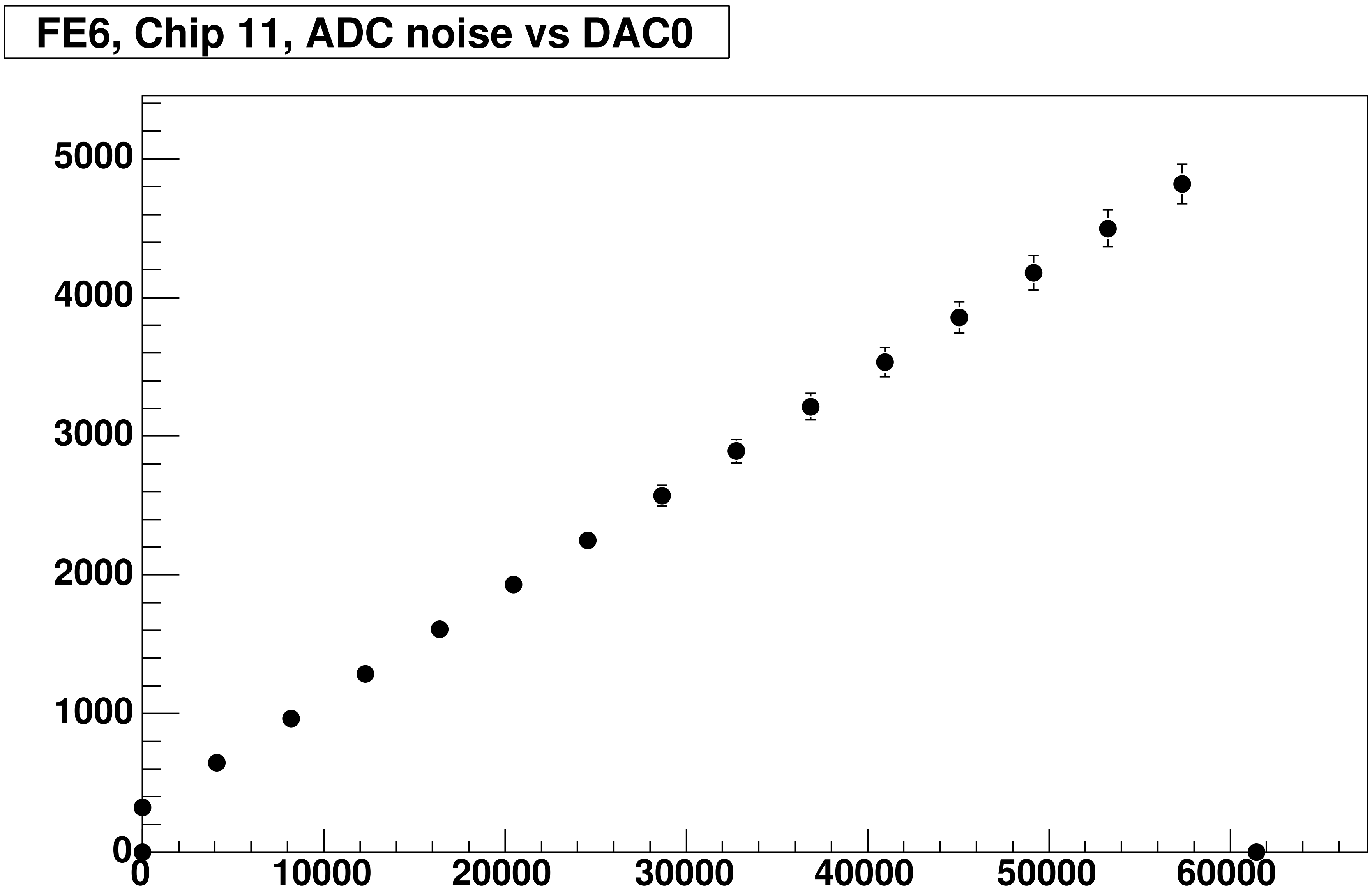


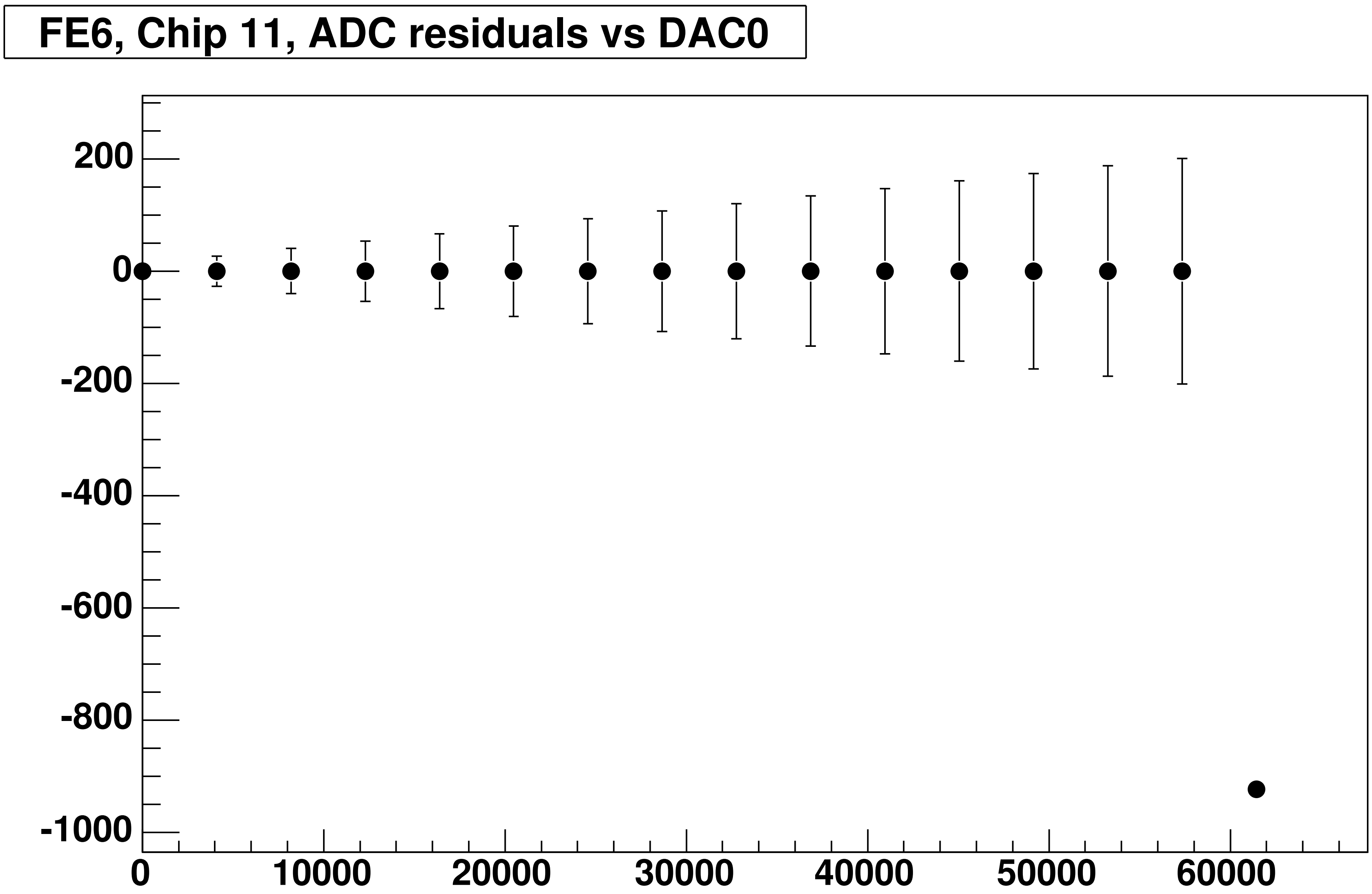
FE6, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

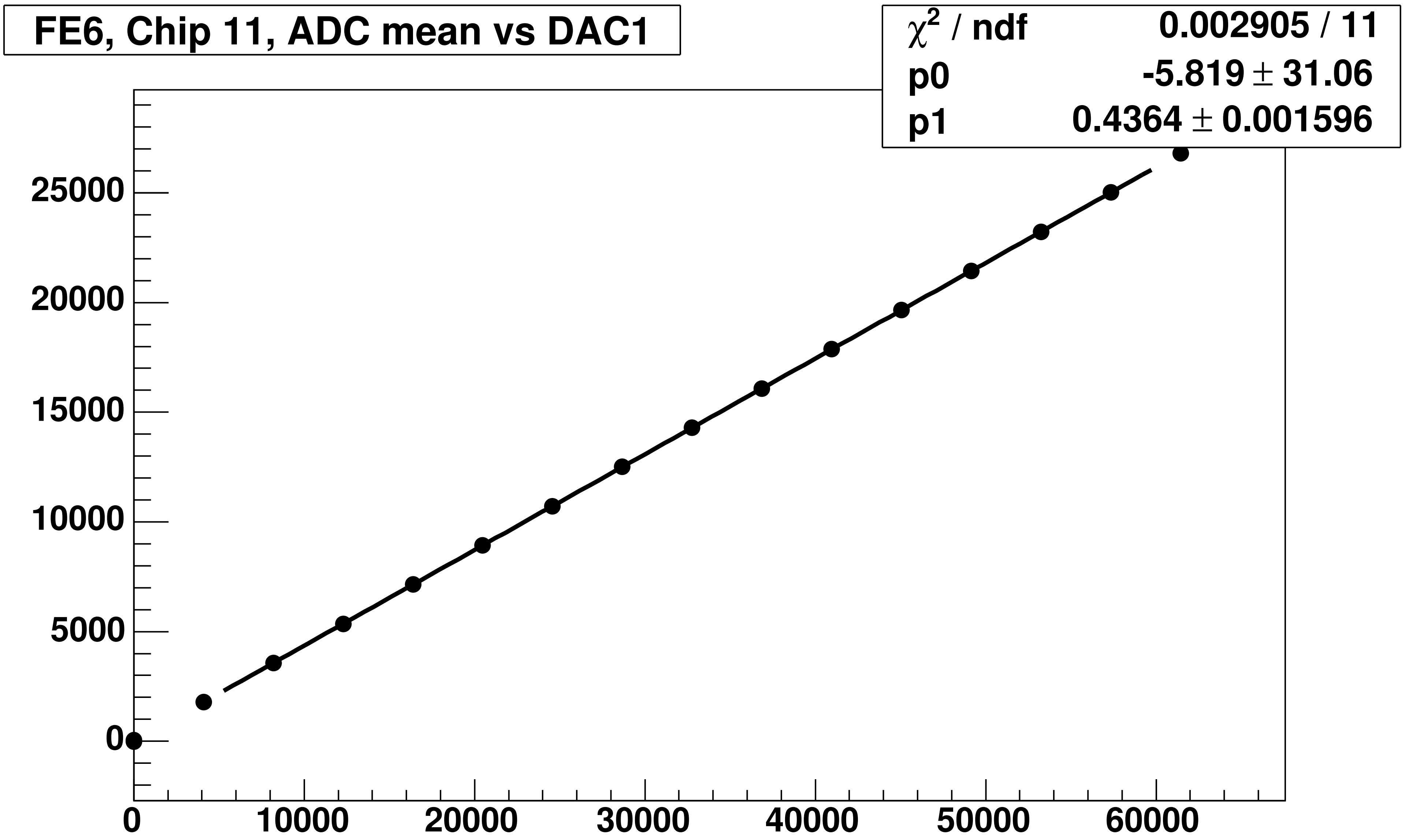

FE6, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



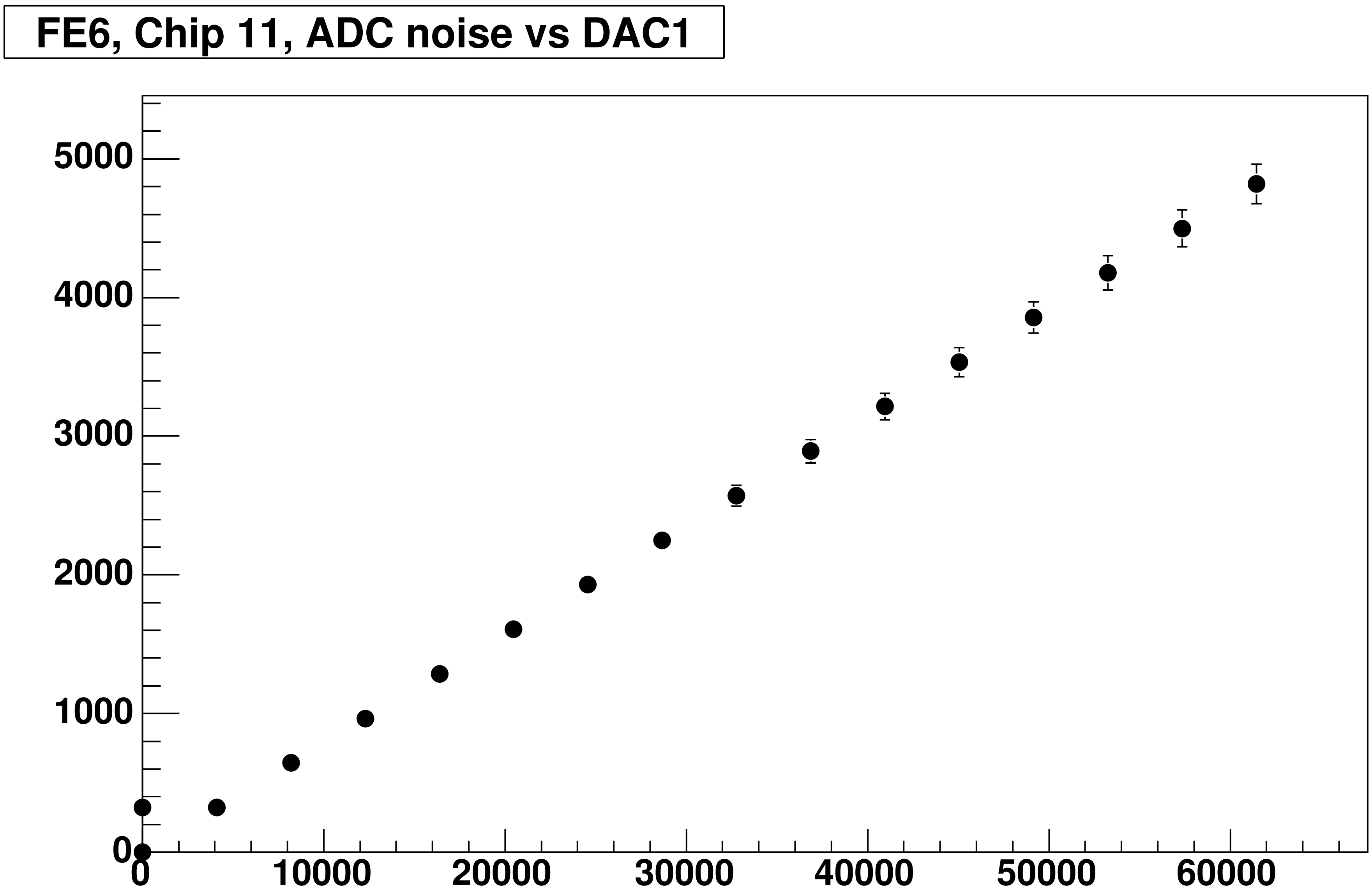
FE6, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1.002e-05 / 11
p0 49.62 ± 41.9
p1 0.01408 ± 0.001889
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


FE6, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

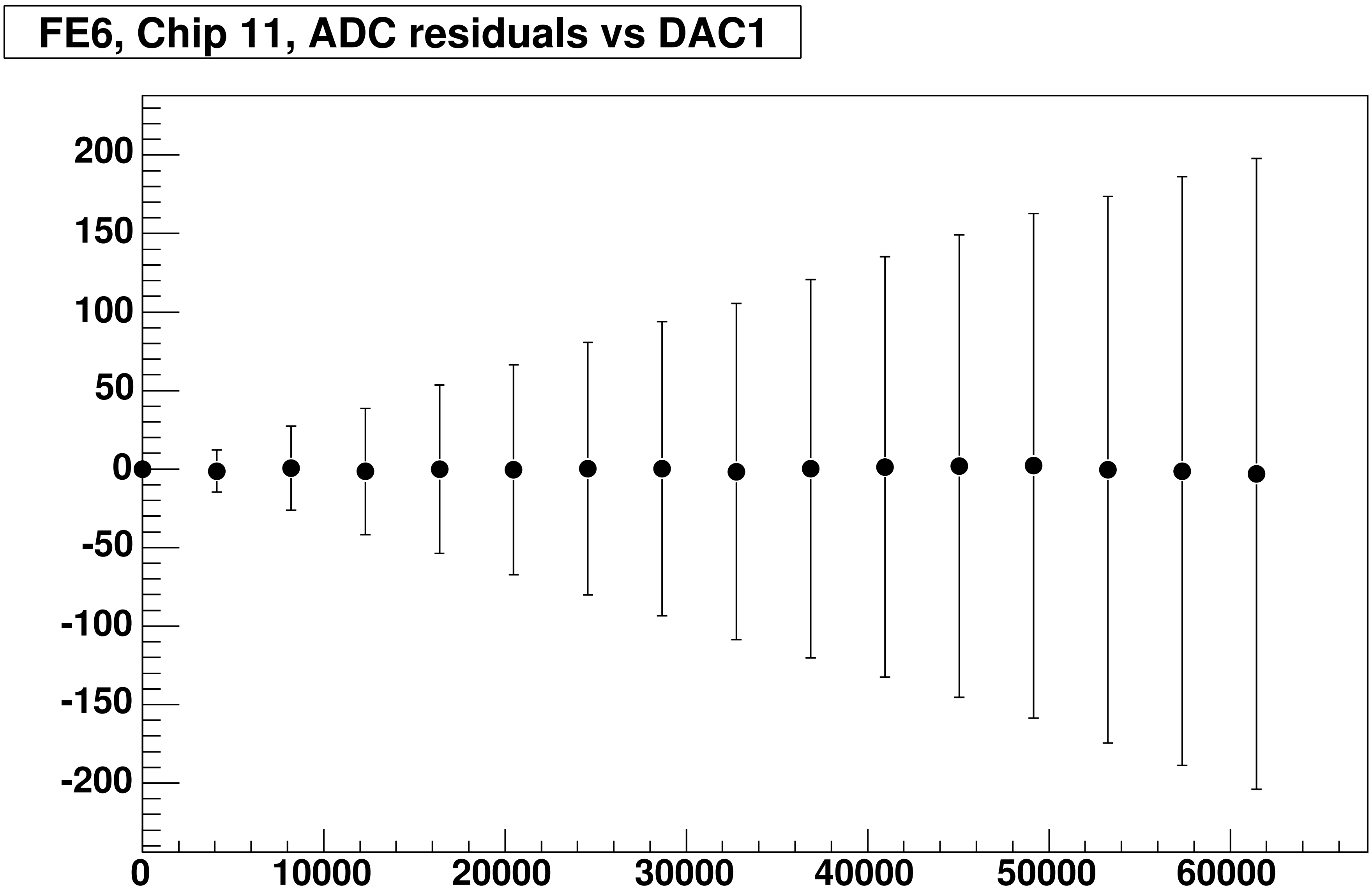

FE6, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

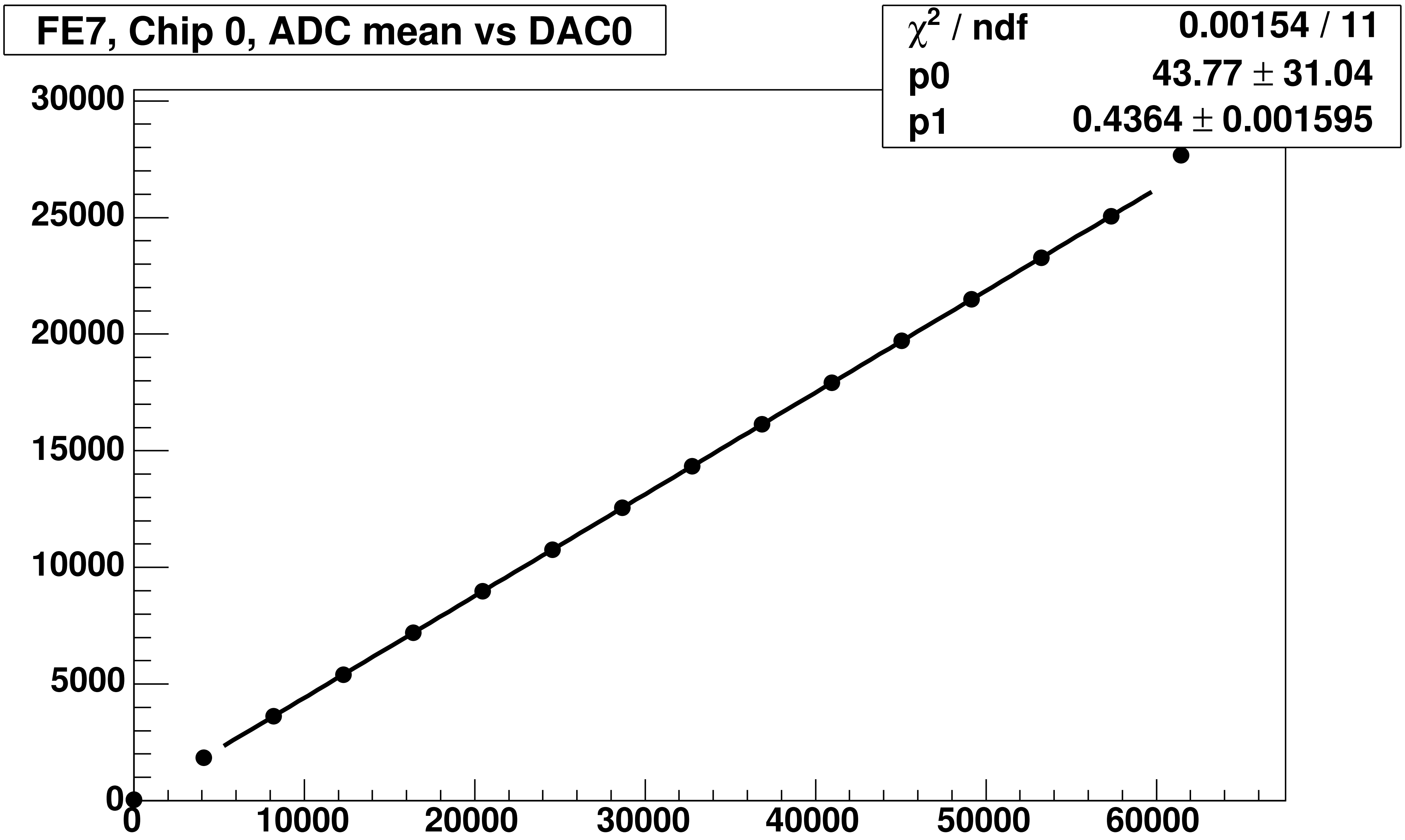


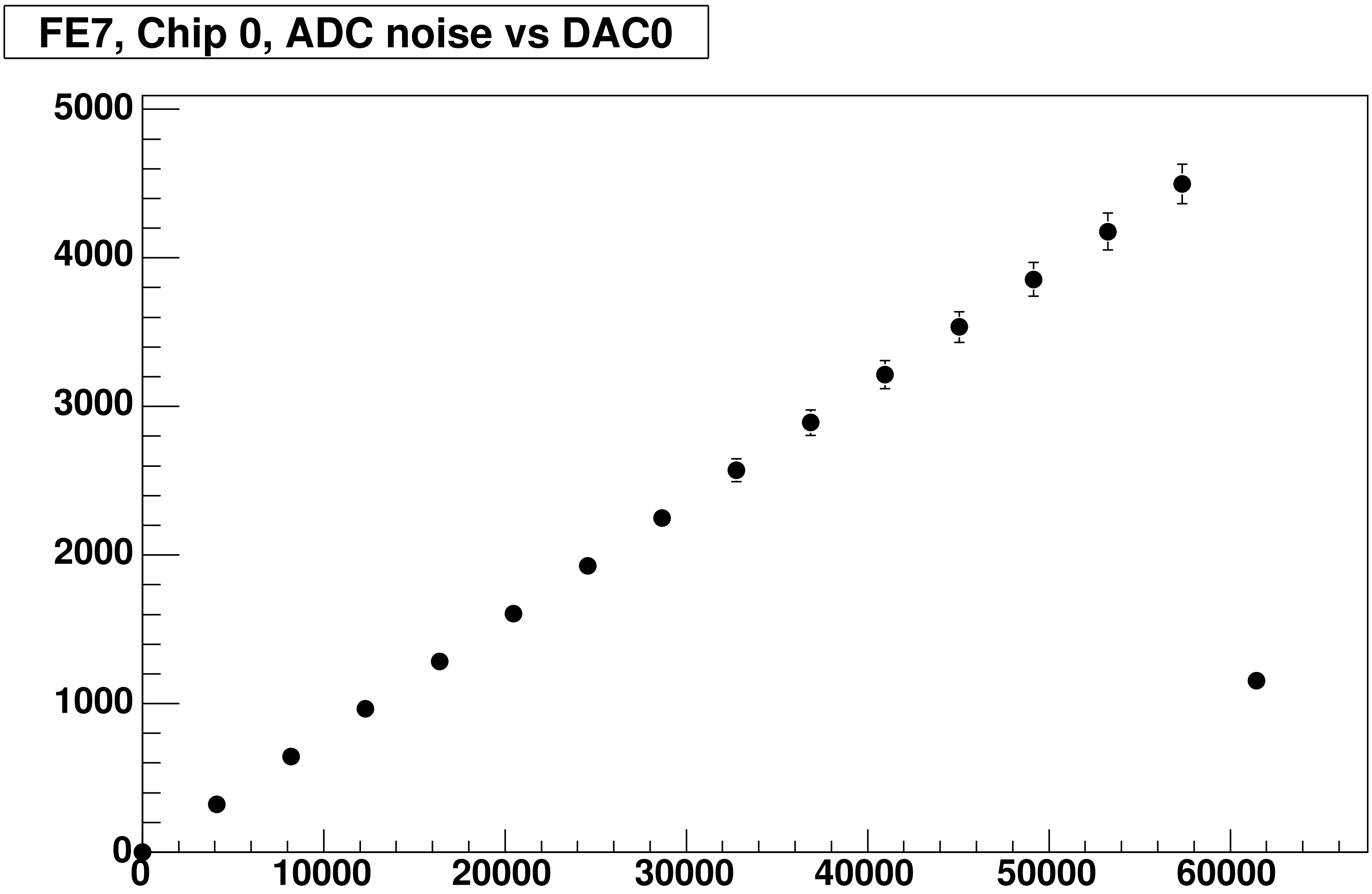
FE6, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.002905 / 11
p0 -5.819 ± 31.06
p1 0.4364 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

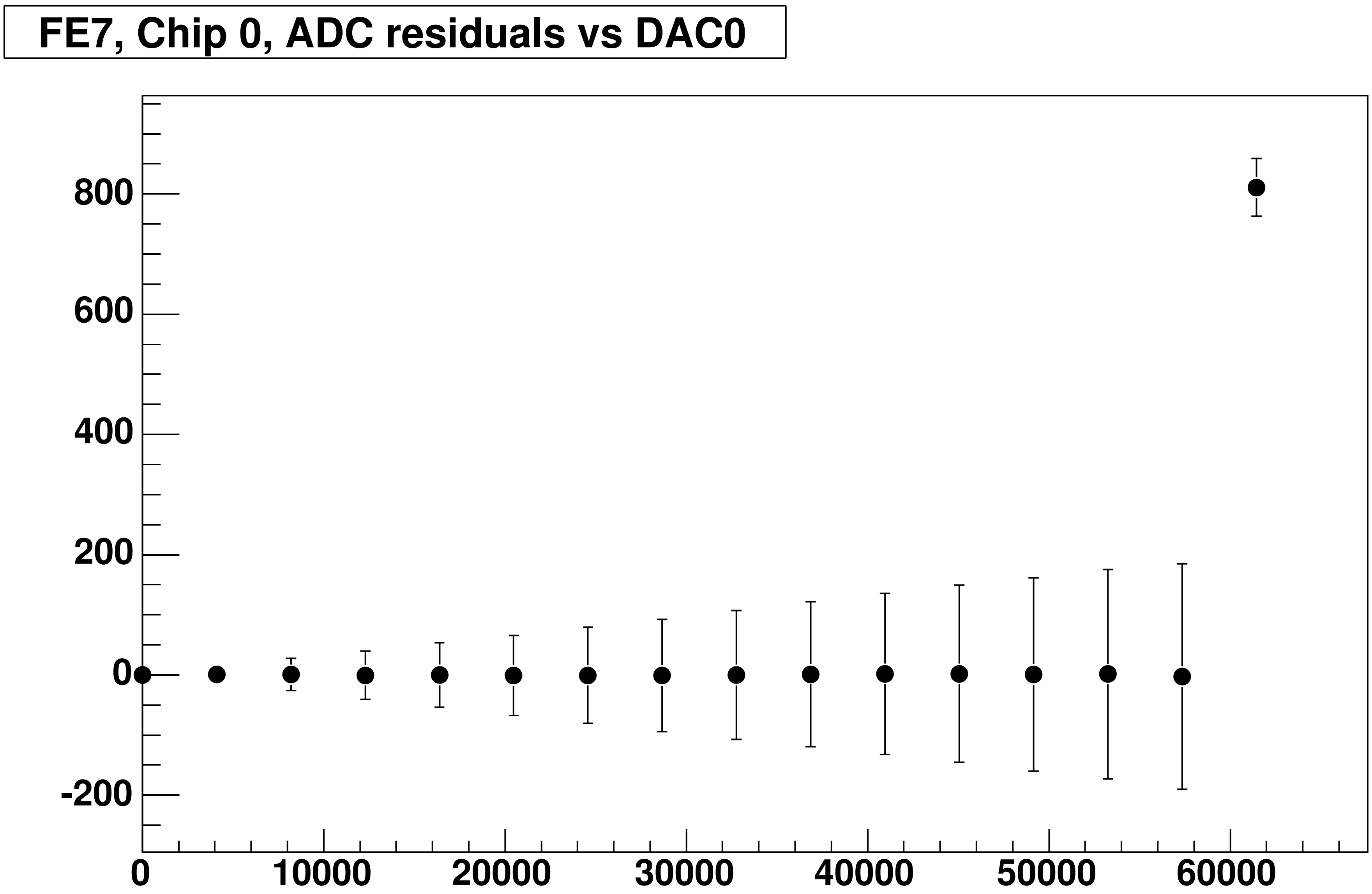


FE6, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

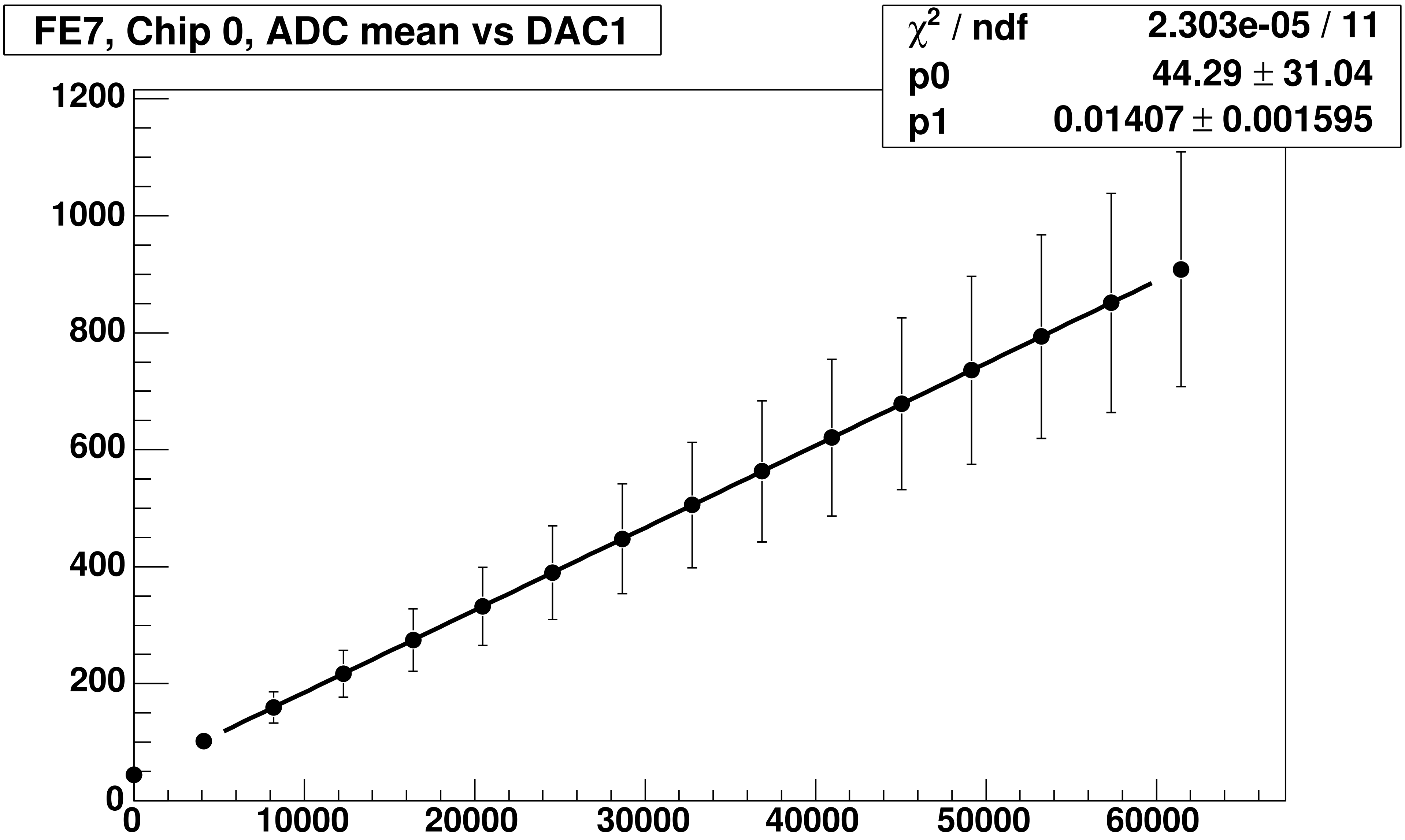

FE6, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.00154 / 11
p0 43.77 ± 31.04
p1 0.4364 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

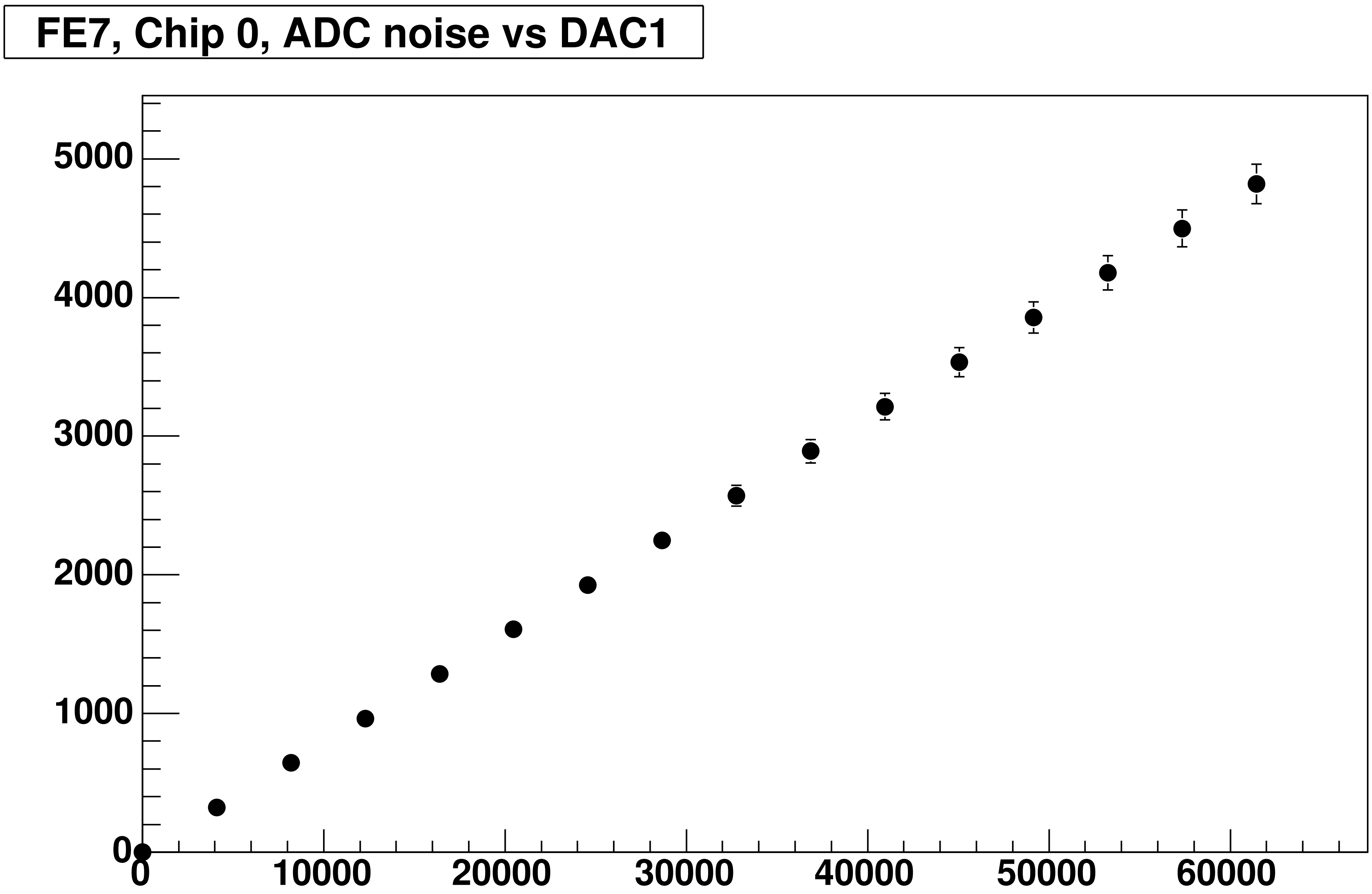

FE7, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

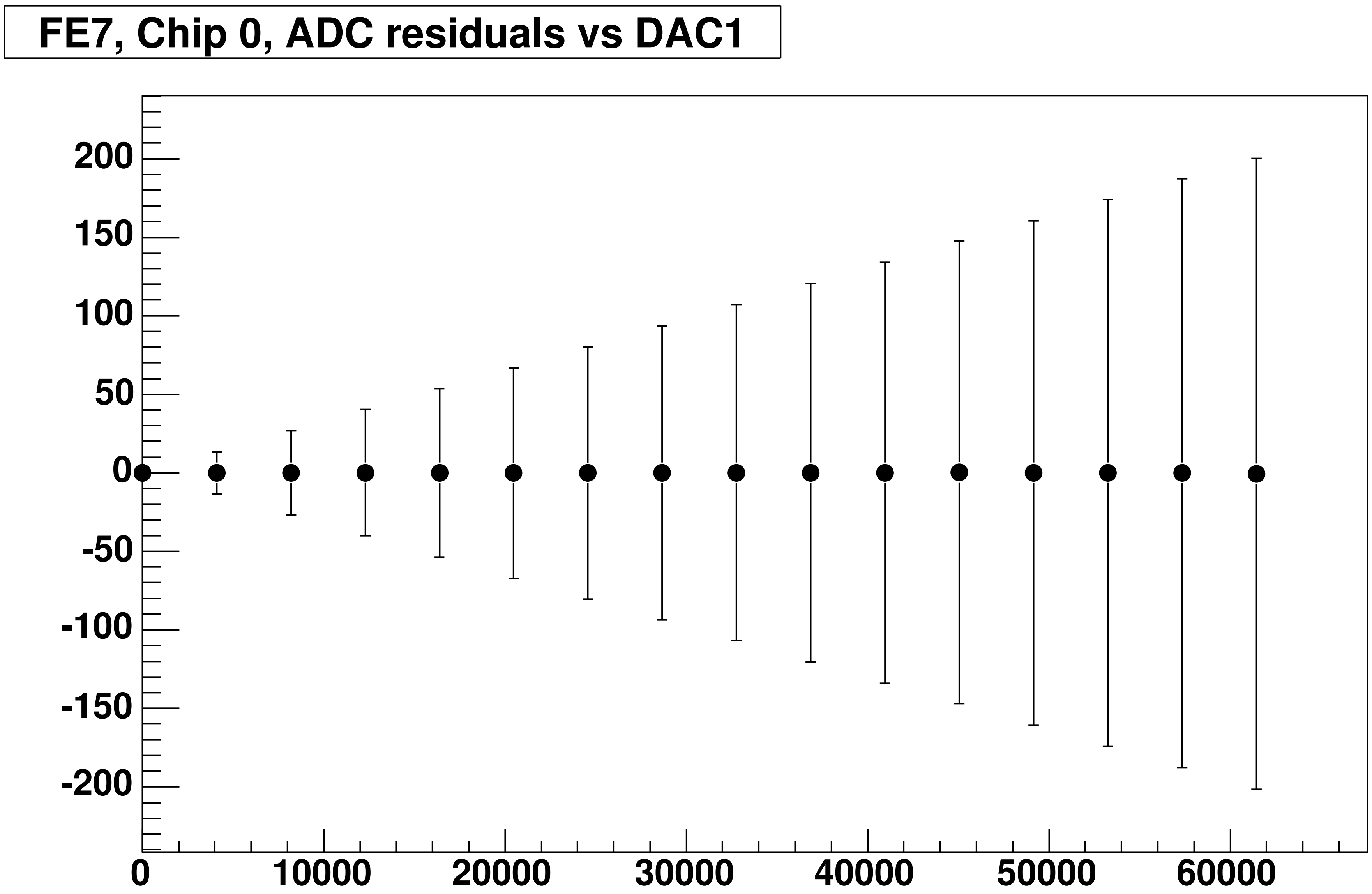


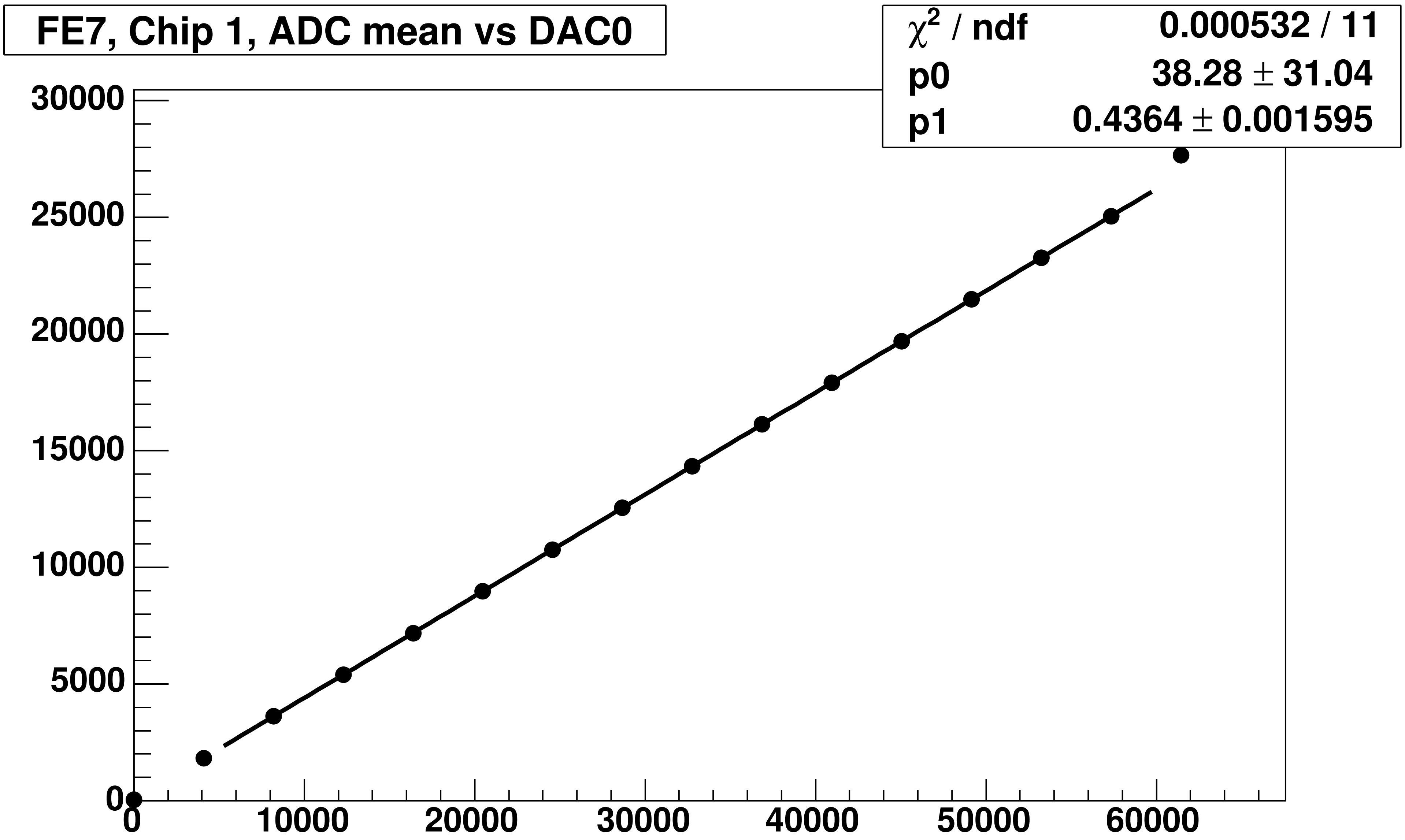
FE7, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



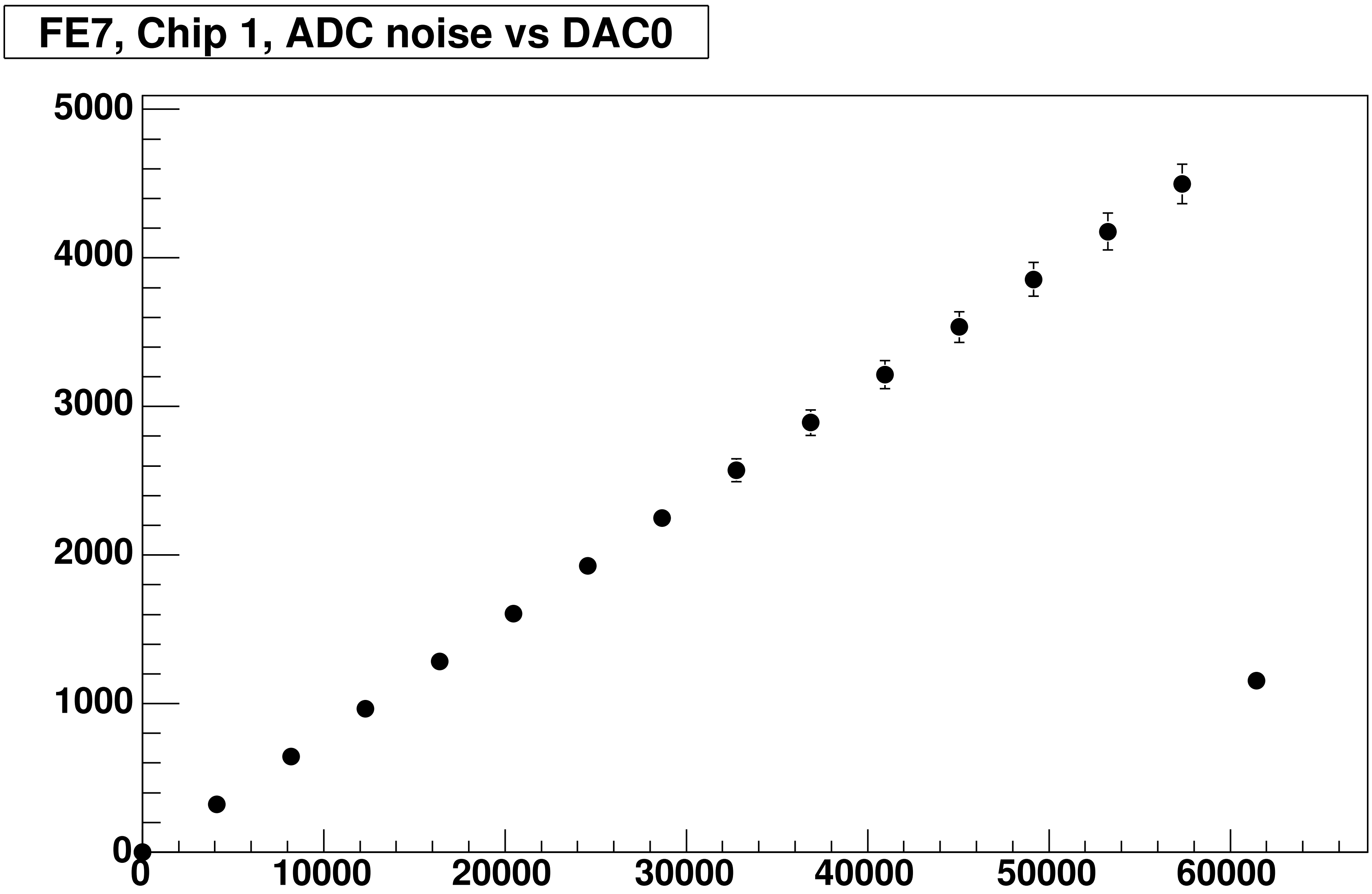
FE7, Chip 0, ADC mean vs DAC1
χ² / ndf 2.303e-05 / 11
p0 44.29 ± 31.04
p1 0.01407 ± 0.001595
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

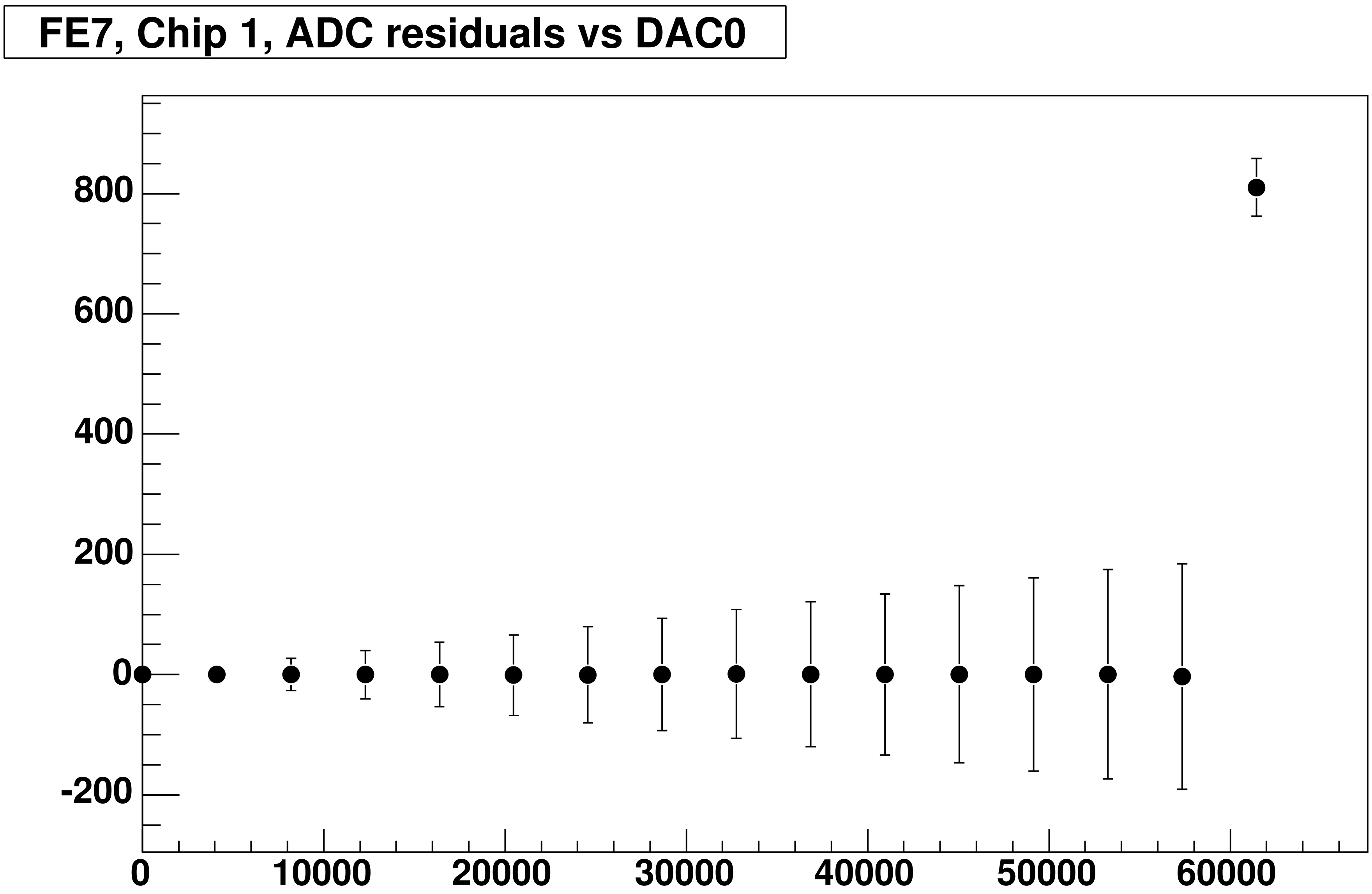

FE7, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

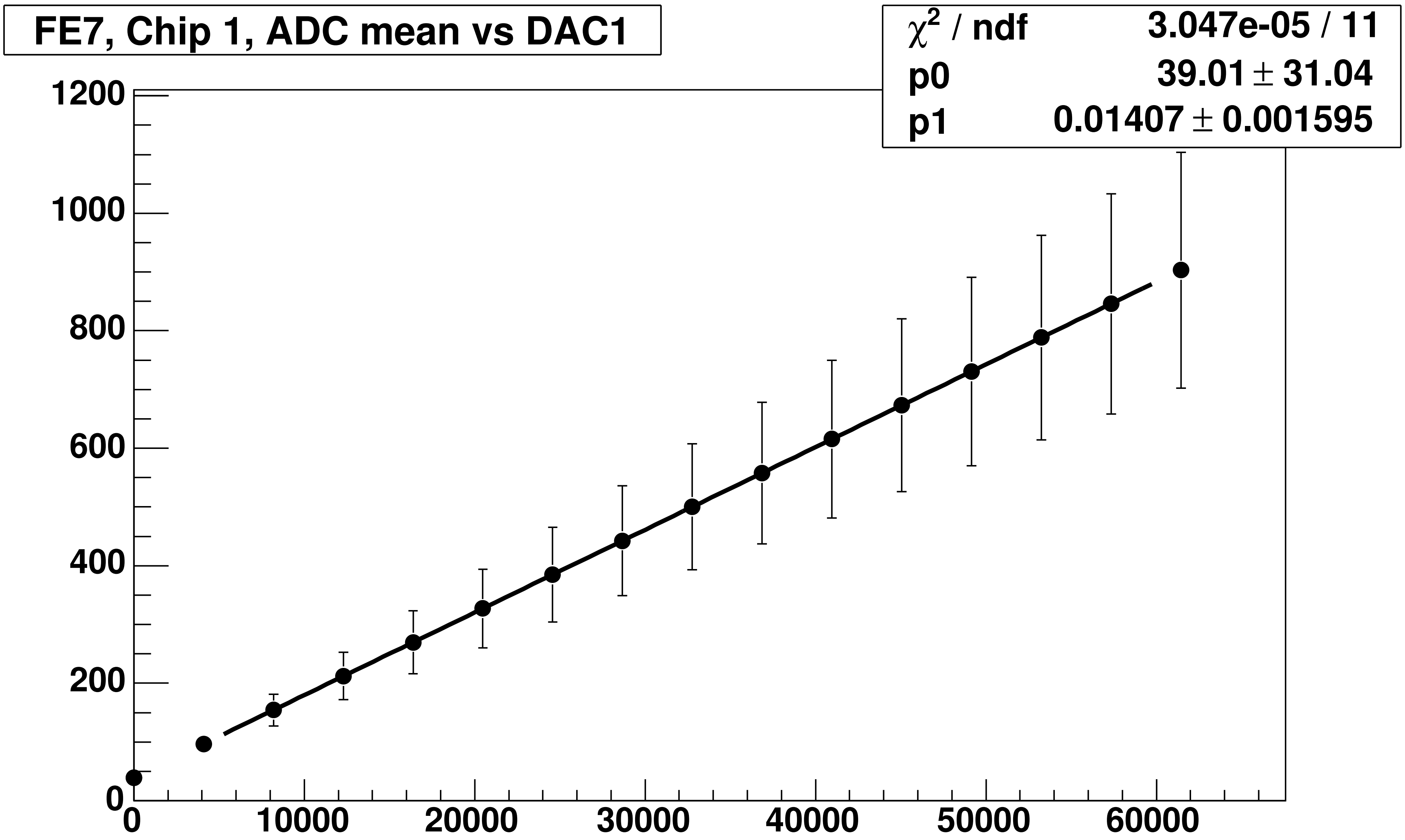

FE7, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

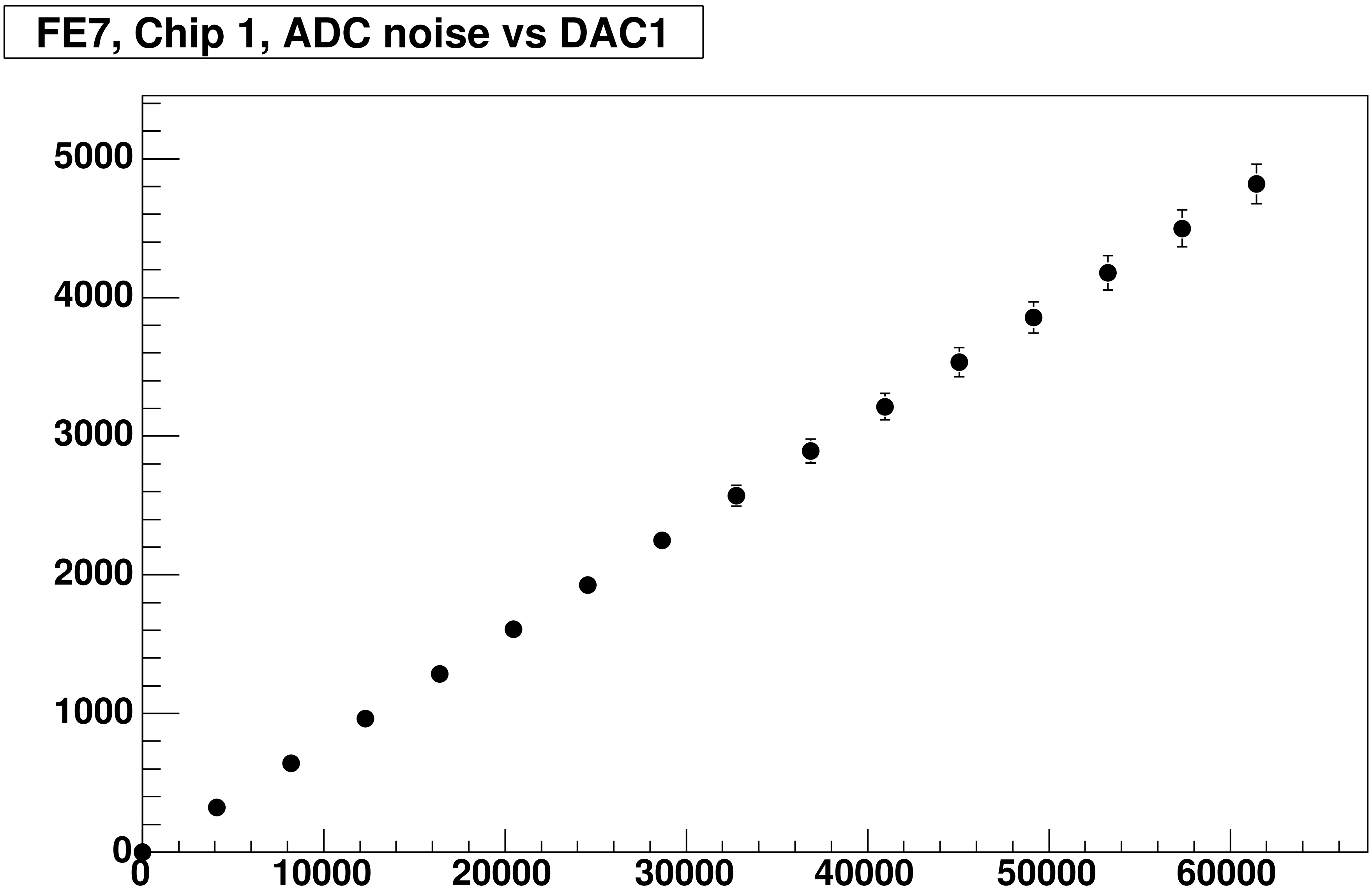


FE7, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.000532 / 11
p0 38.28 ± 31.04
p1 0.4364 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

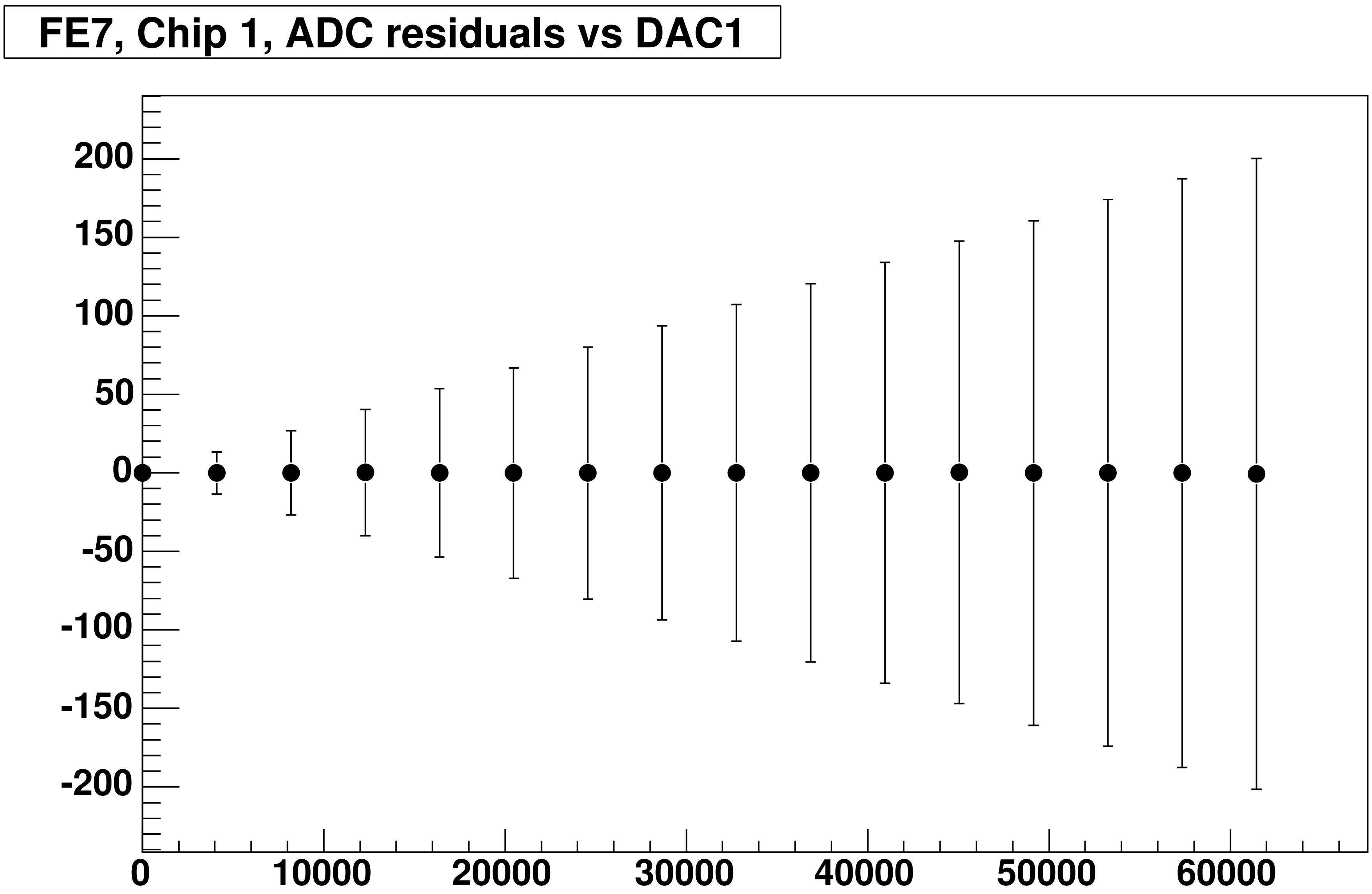

FE7, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

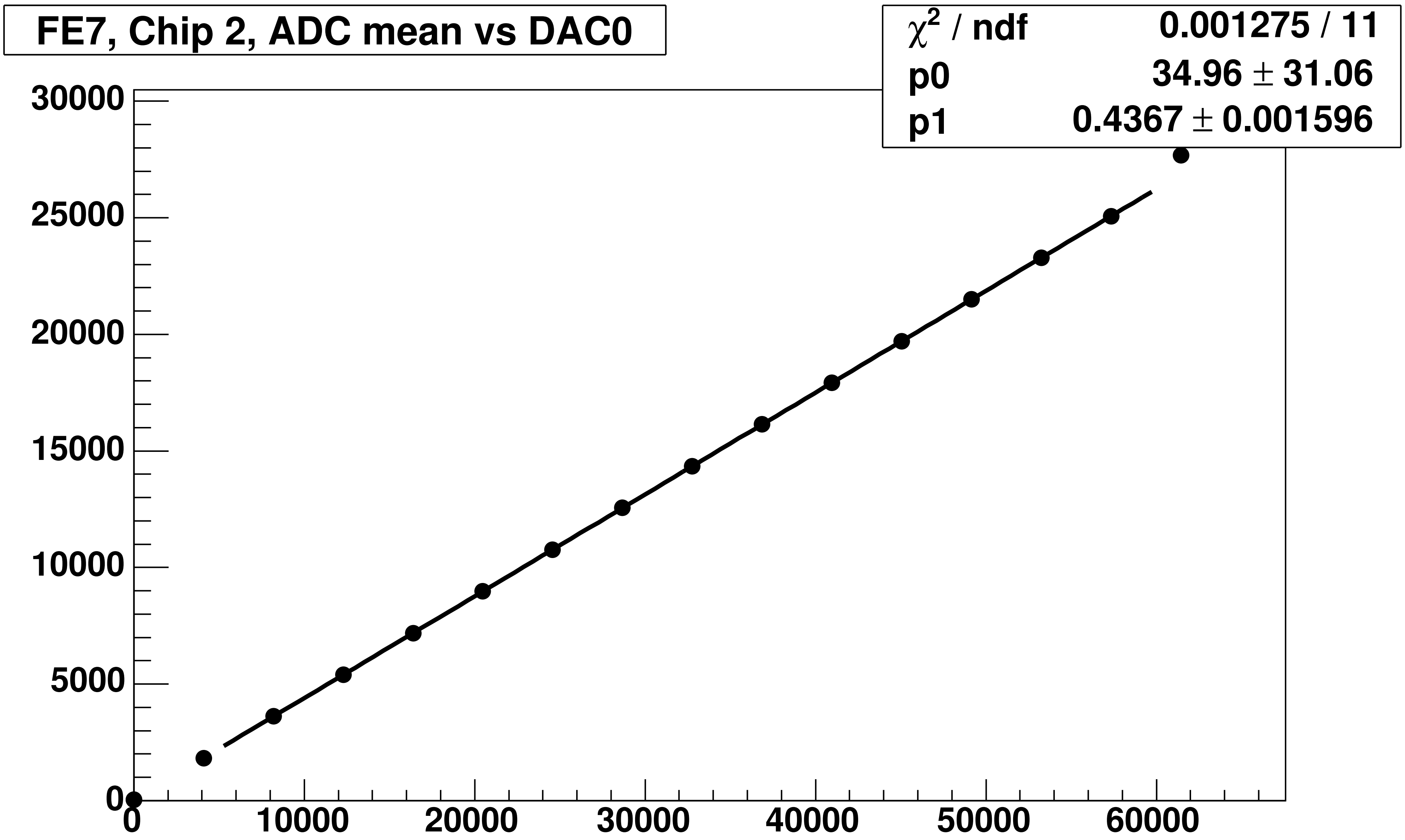

FE7, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

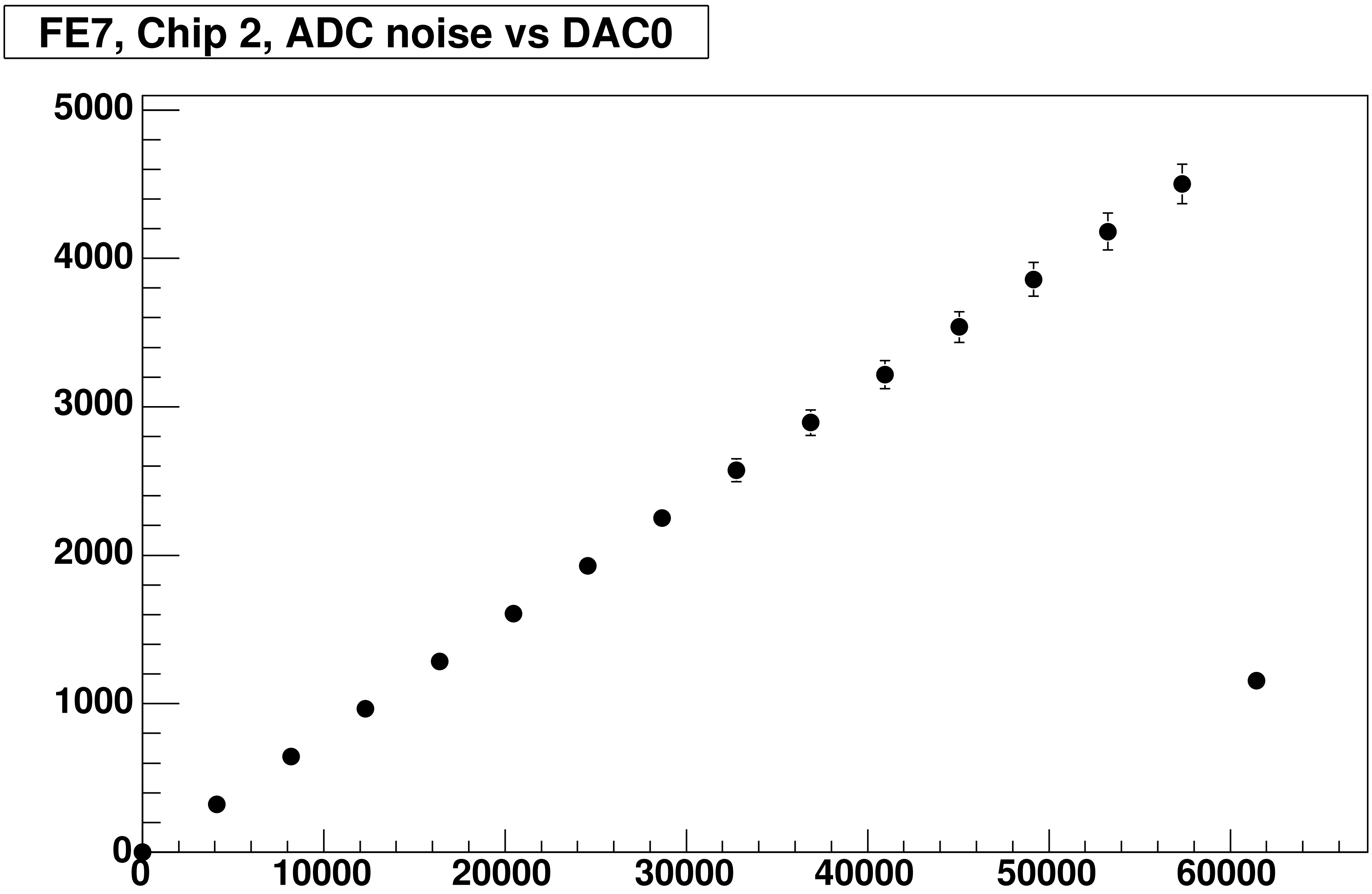

FE7, Chip 1, ADC mean vs DAC1
χ^2 / ndf 3.047e-05 / 11
p0 39.01 ± 31.04
p1 0.01407 ± 0.001595
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



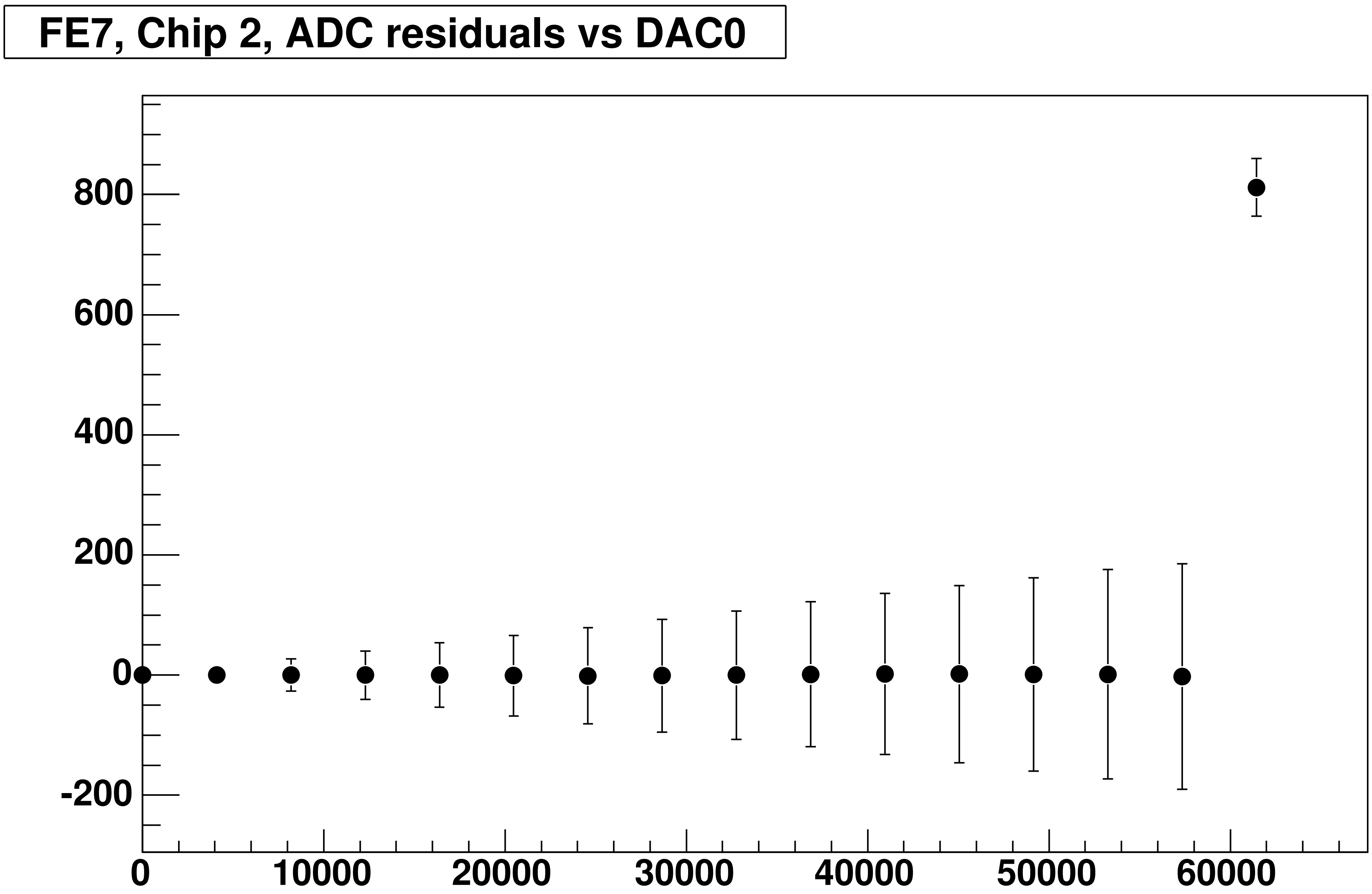
FE7, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

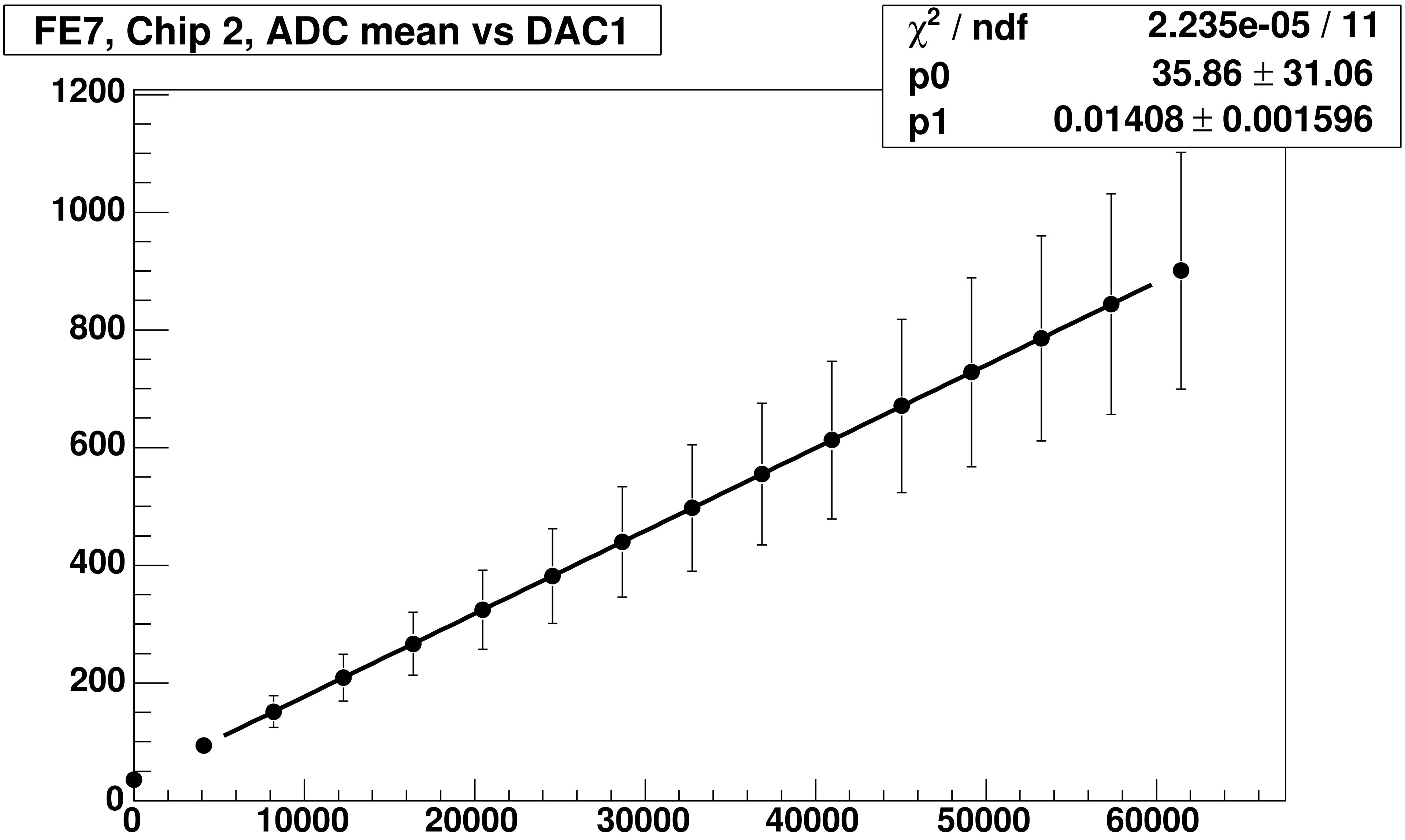

FE7, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001275 / 11
p0 34.96 ± 31.06
p1 0.4367 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

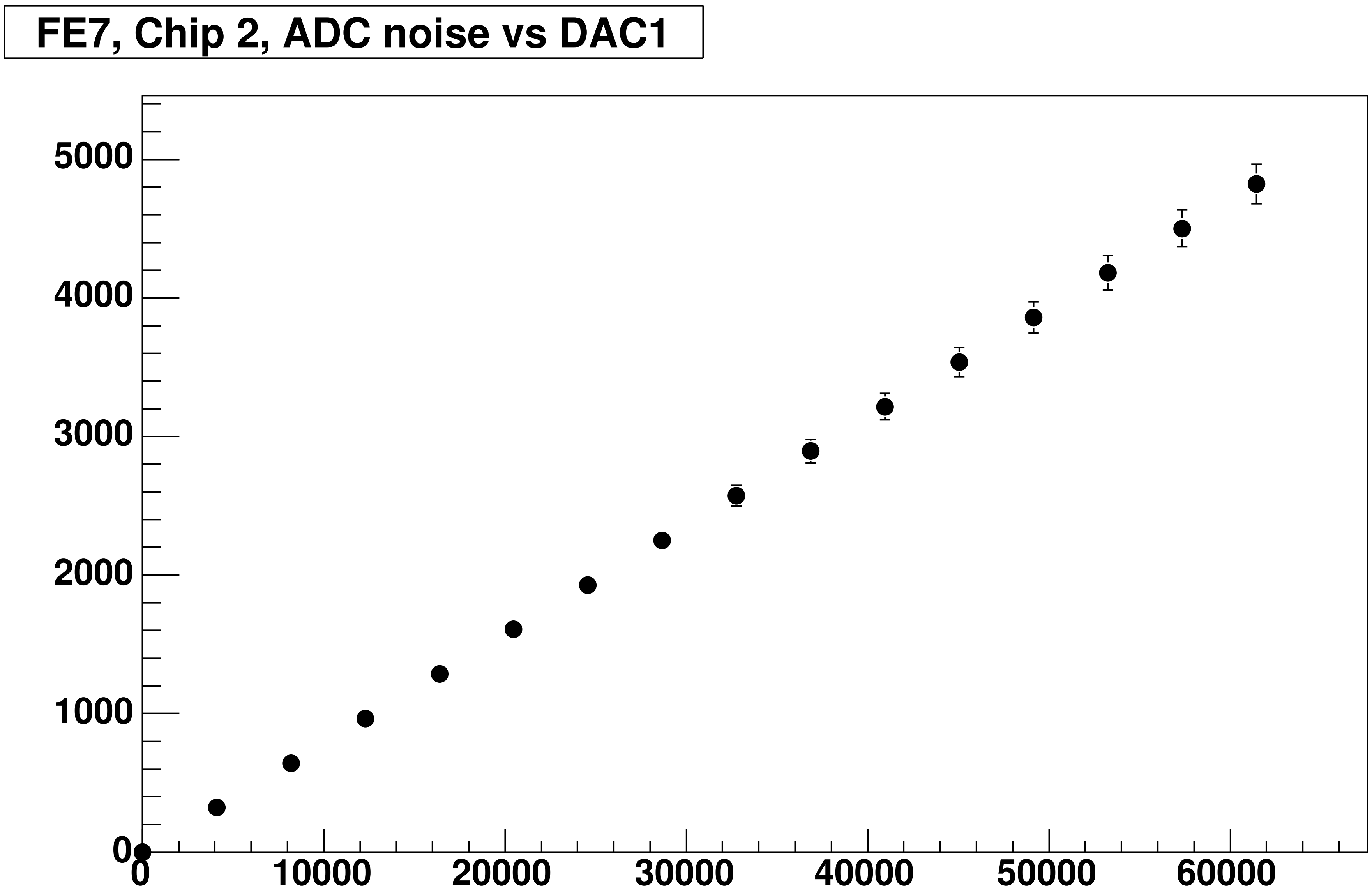


FE7, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

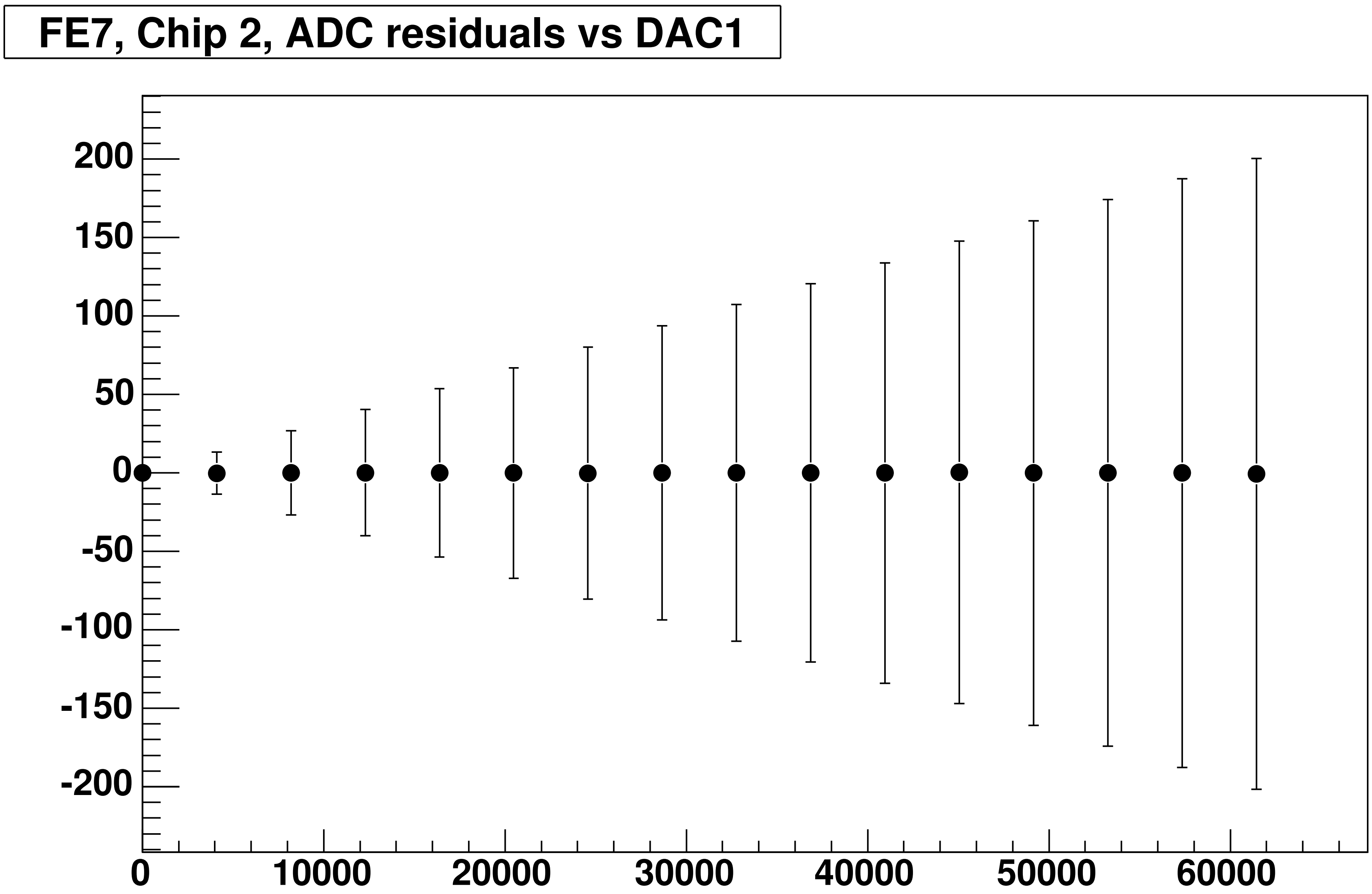


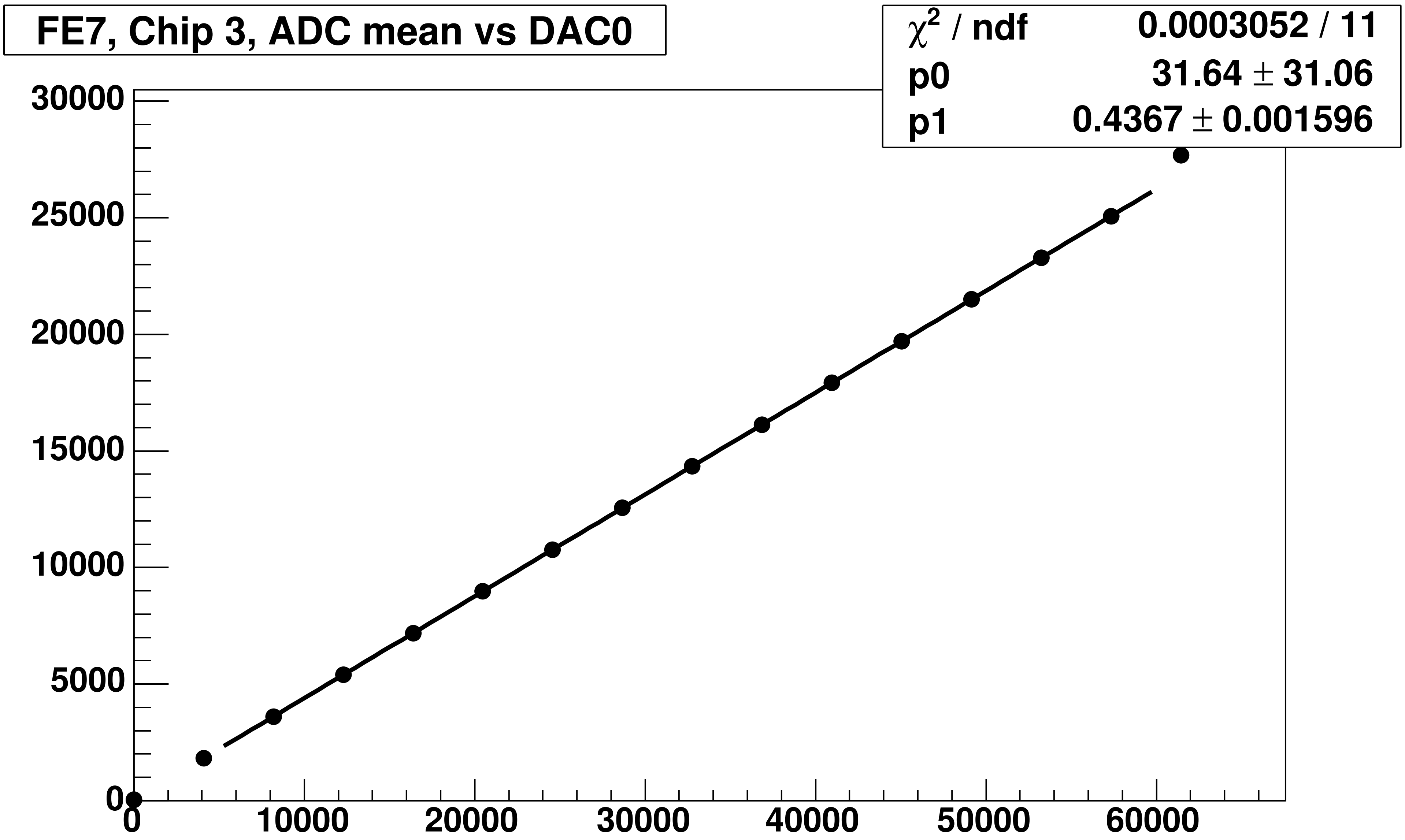
FE7, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

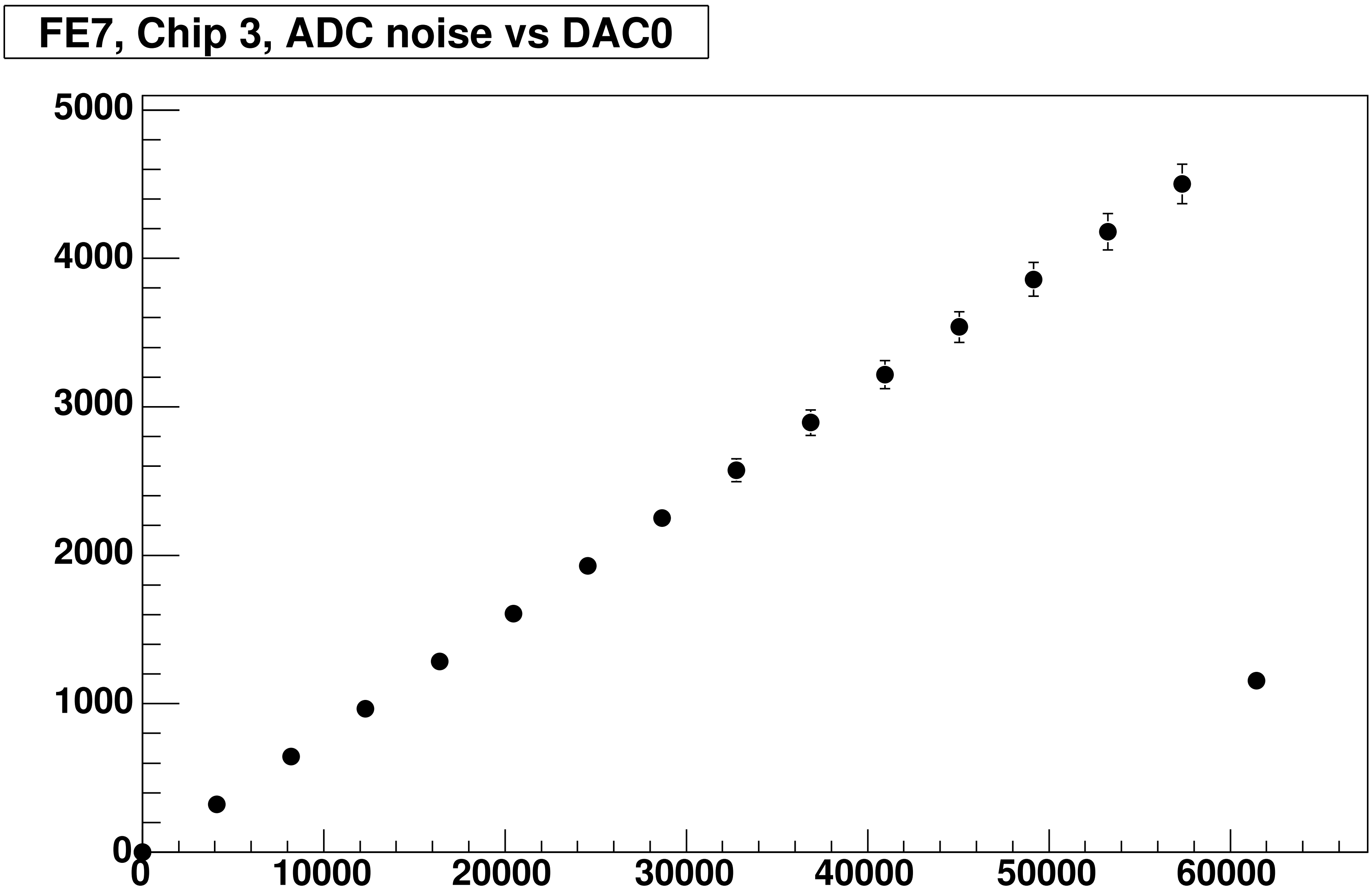

FE7, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.235e-05 / 11
p0 35.86 ± 31.06
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

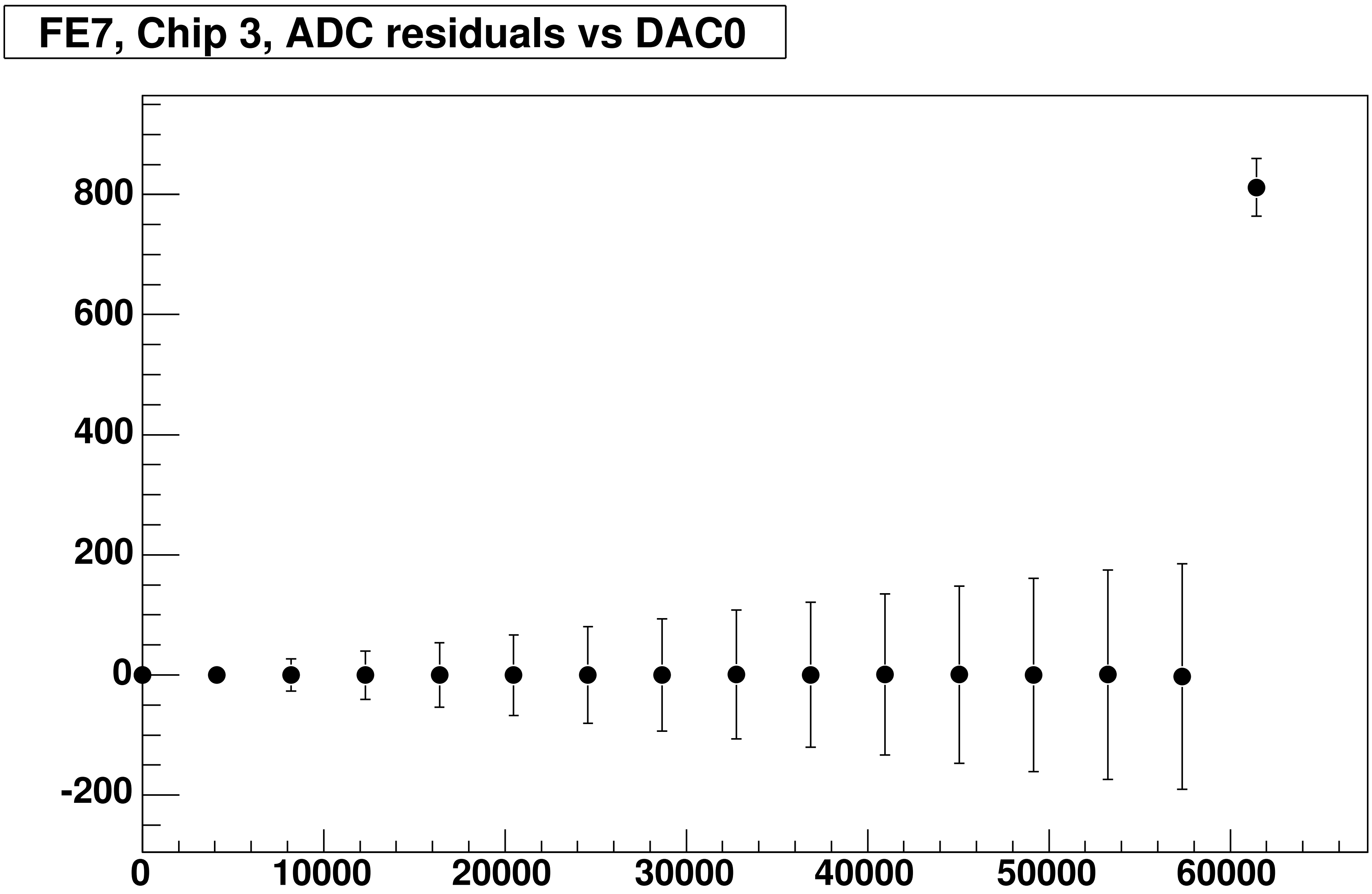


FE7, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

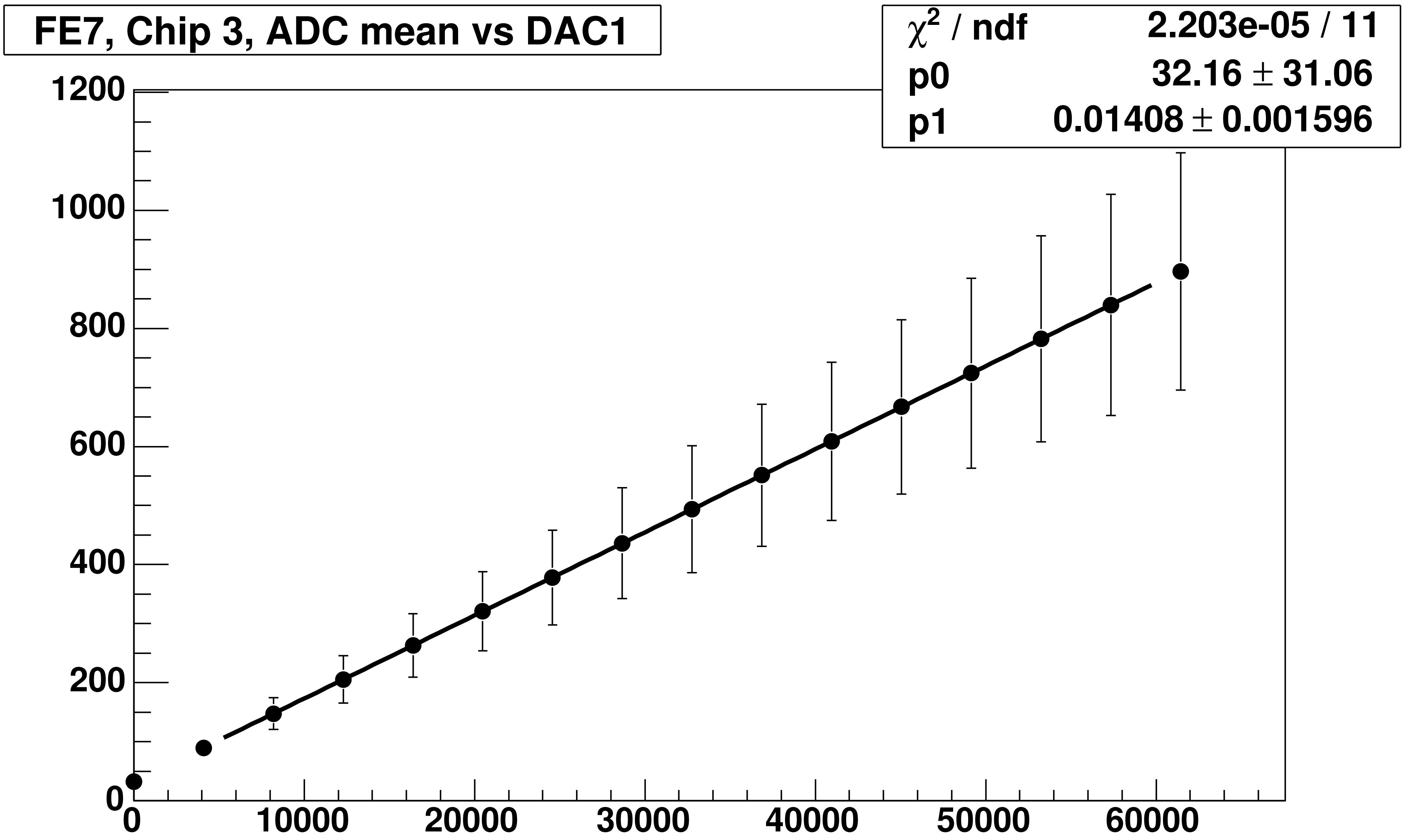

FE7, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.0003052 / 11
p0 31.64 ± 31.06
p1 0.4367 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

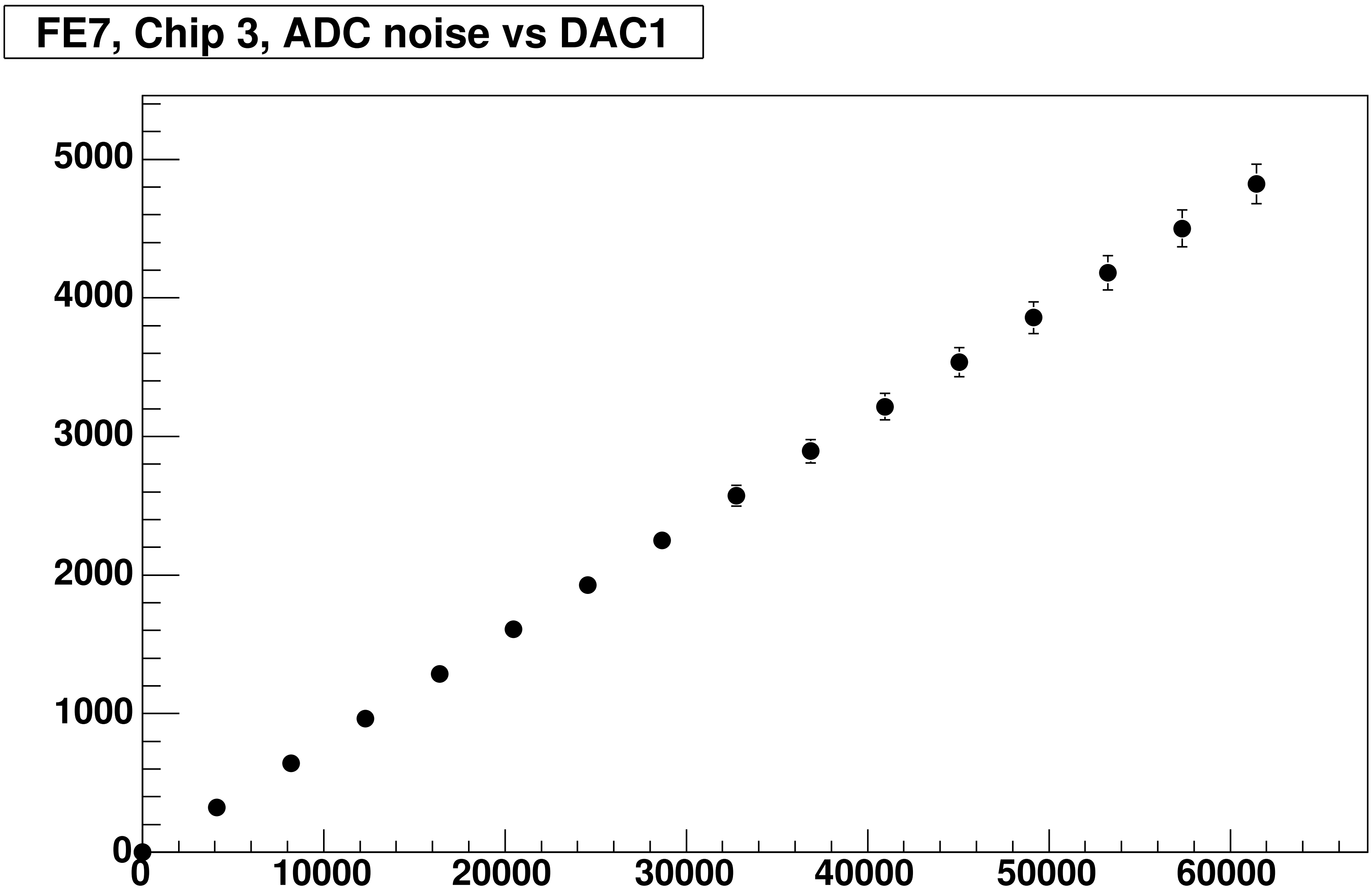

FE7, Chip 3, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

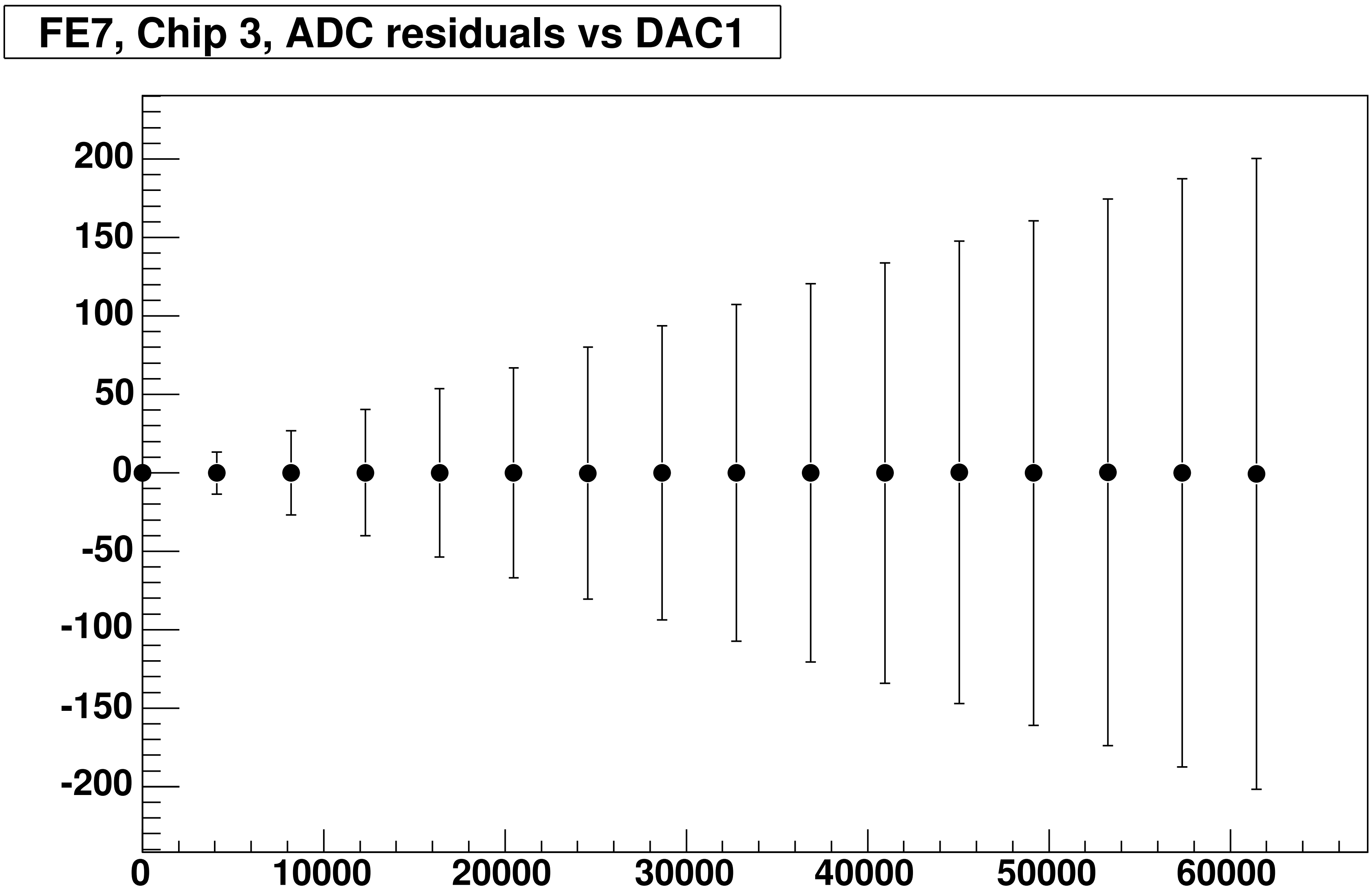


FE7, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

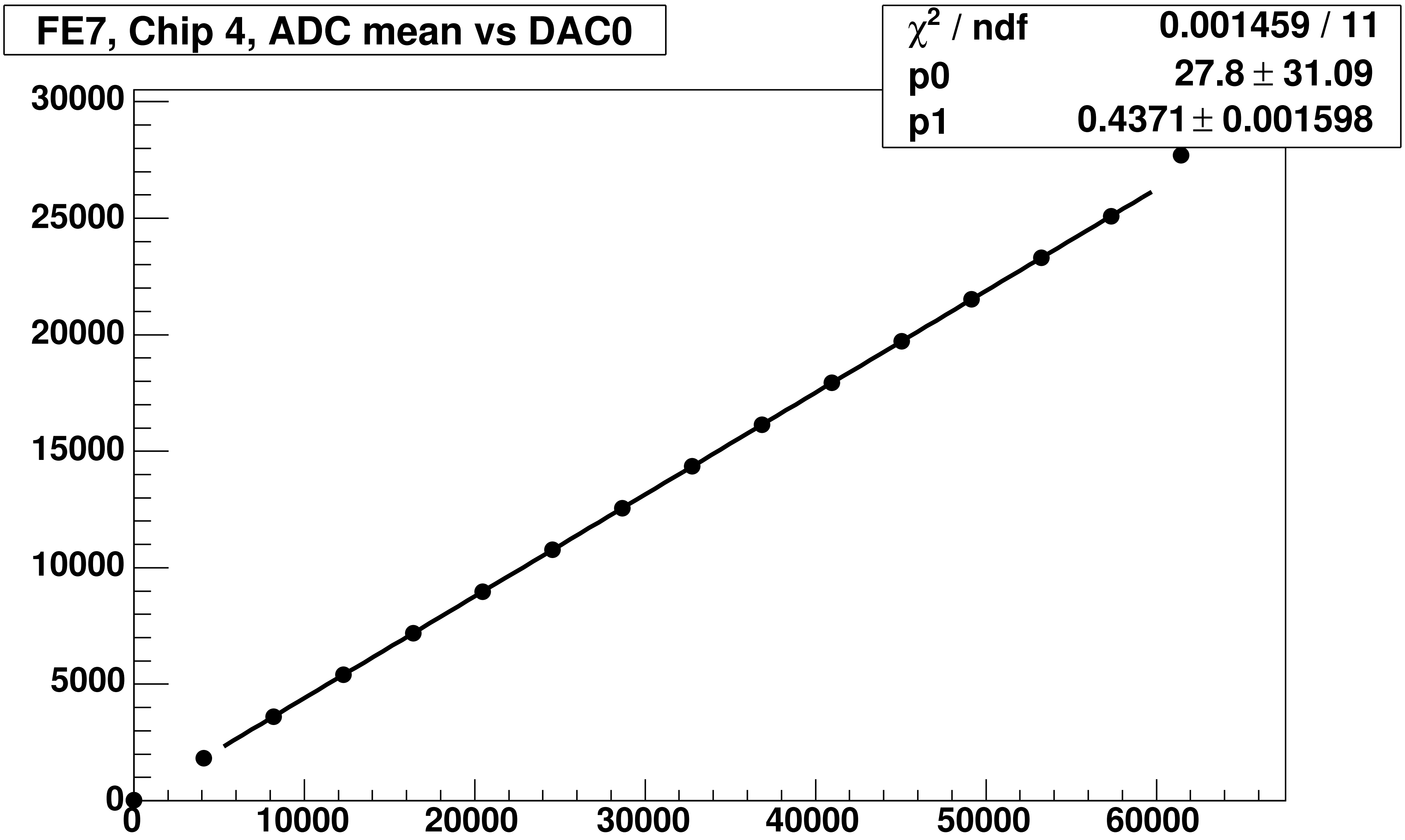


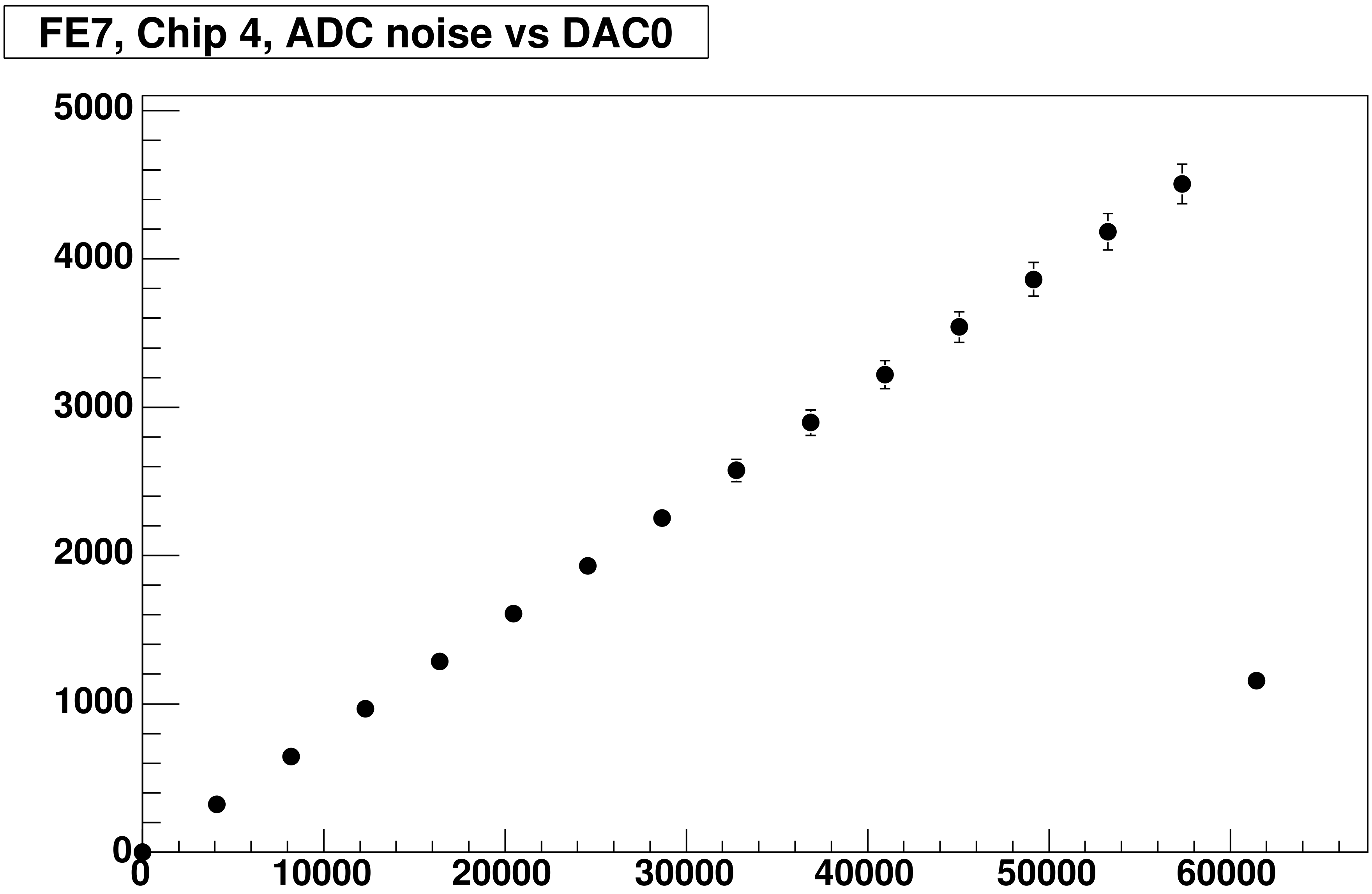
FE7, Chip 3, ADC mean vs DAC1
χ^2 / ndf 2.203e-05 / 11
p0 32.16 ± 31.06
p1 0.01408 ± 0.001596
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

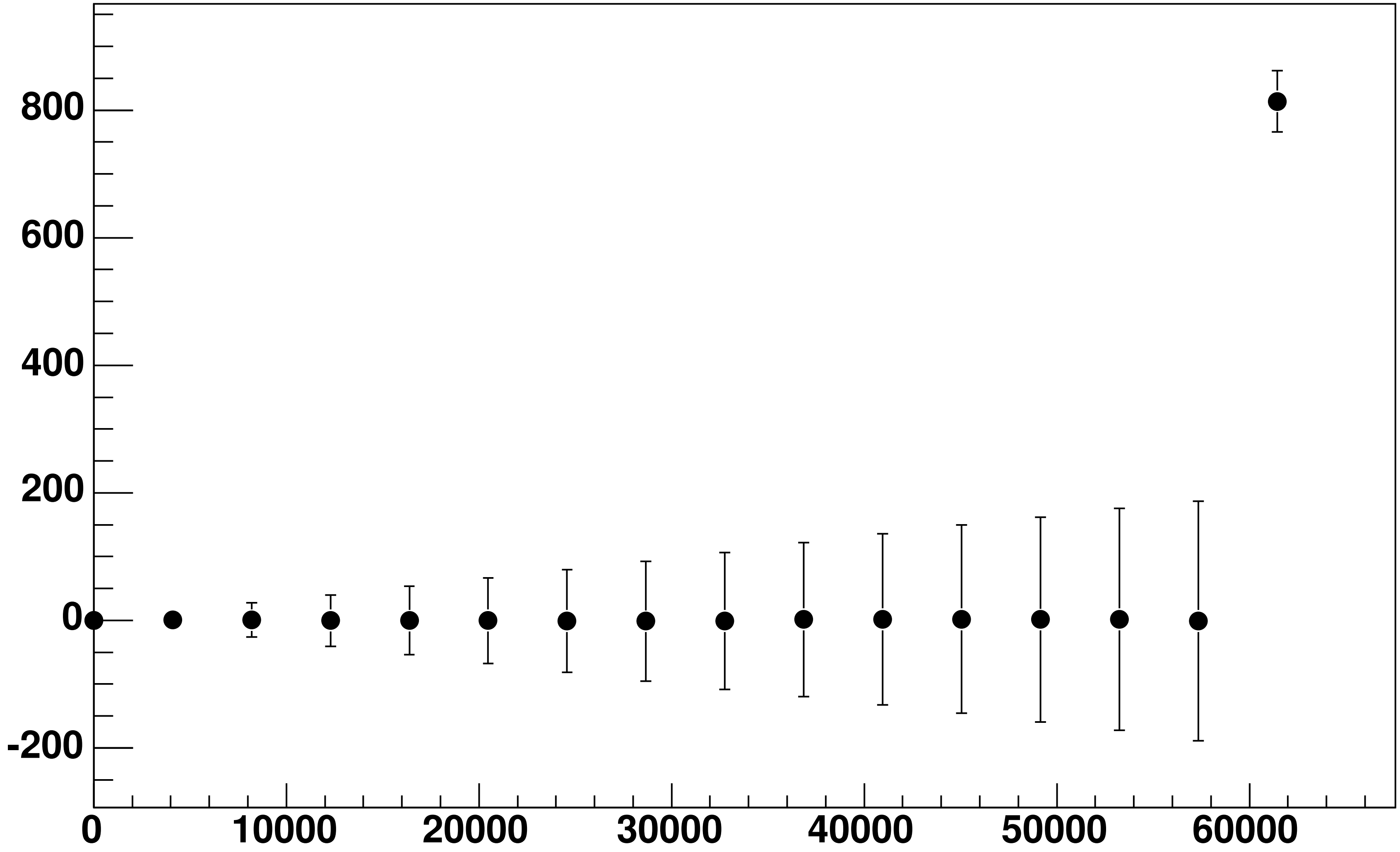


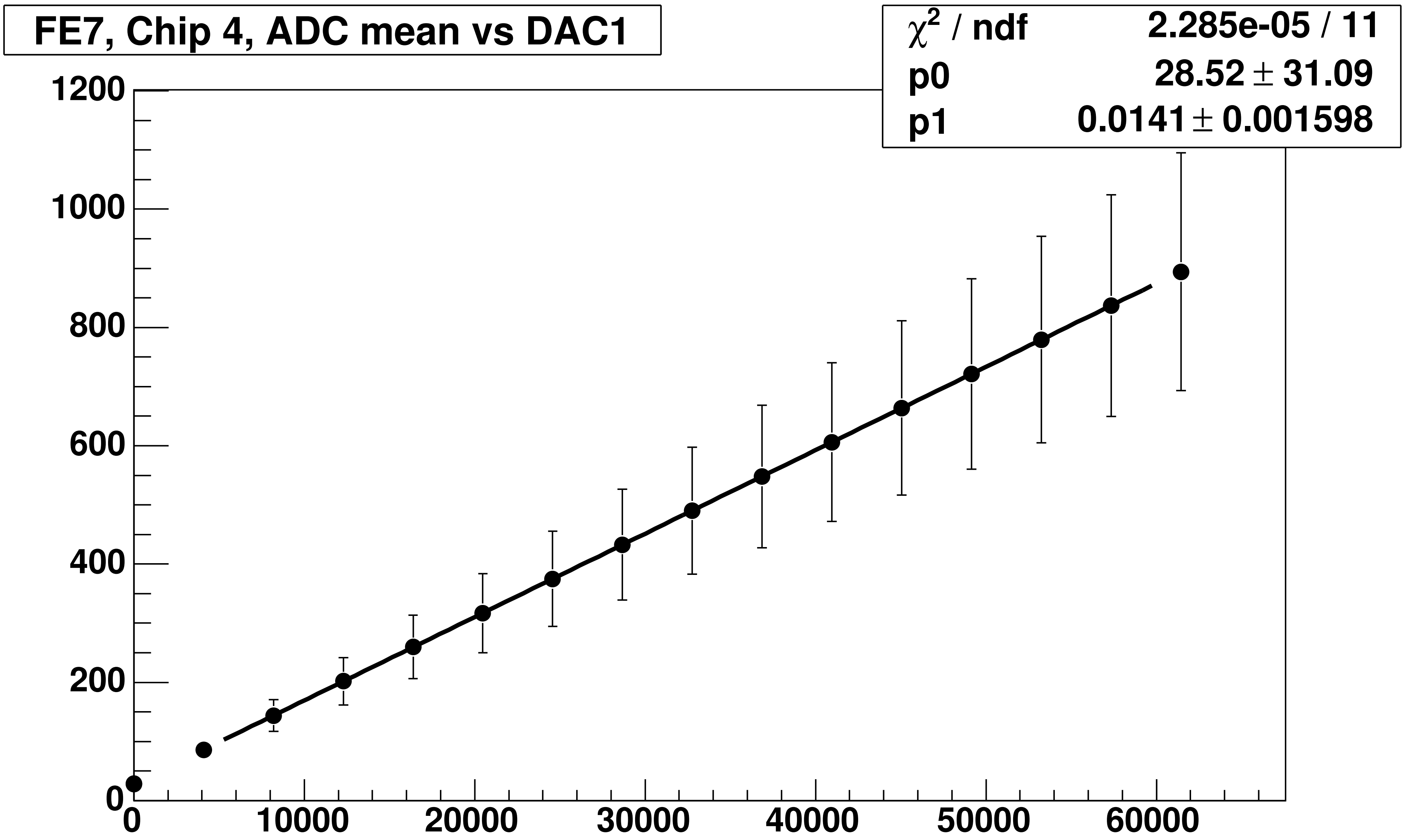
FE7, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

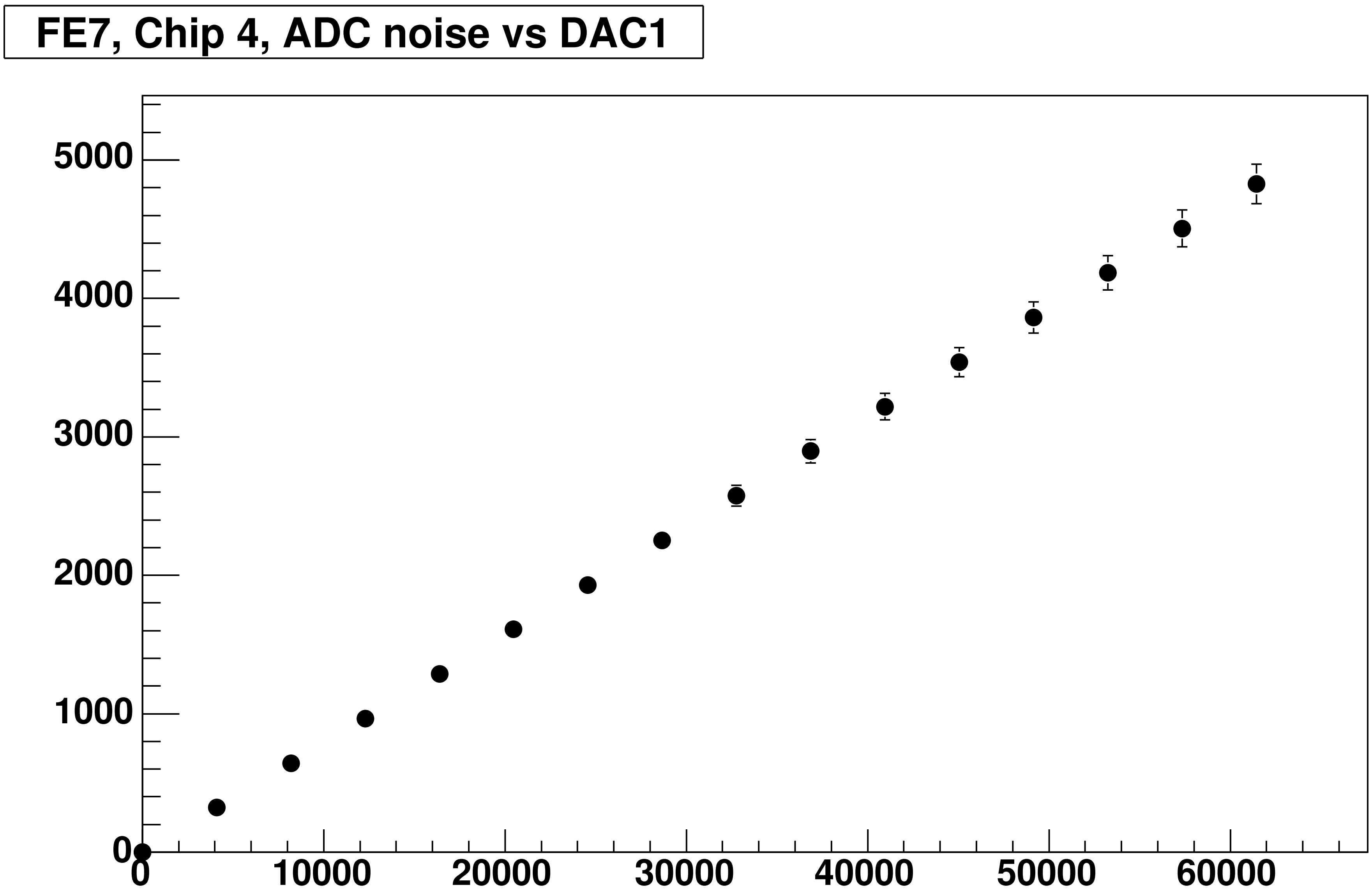

FE7, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001459 / 11
p0 27.8 ± 31.09
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

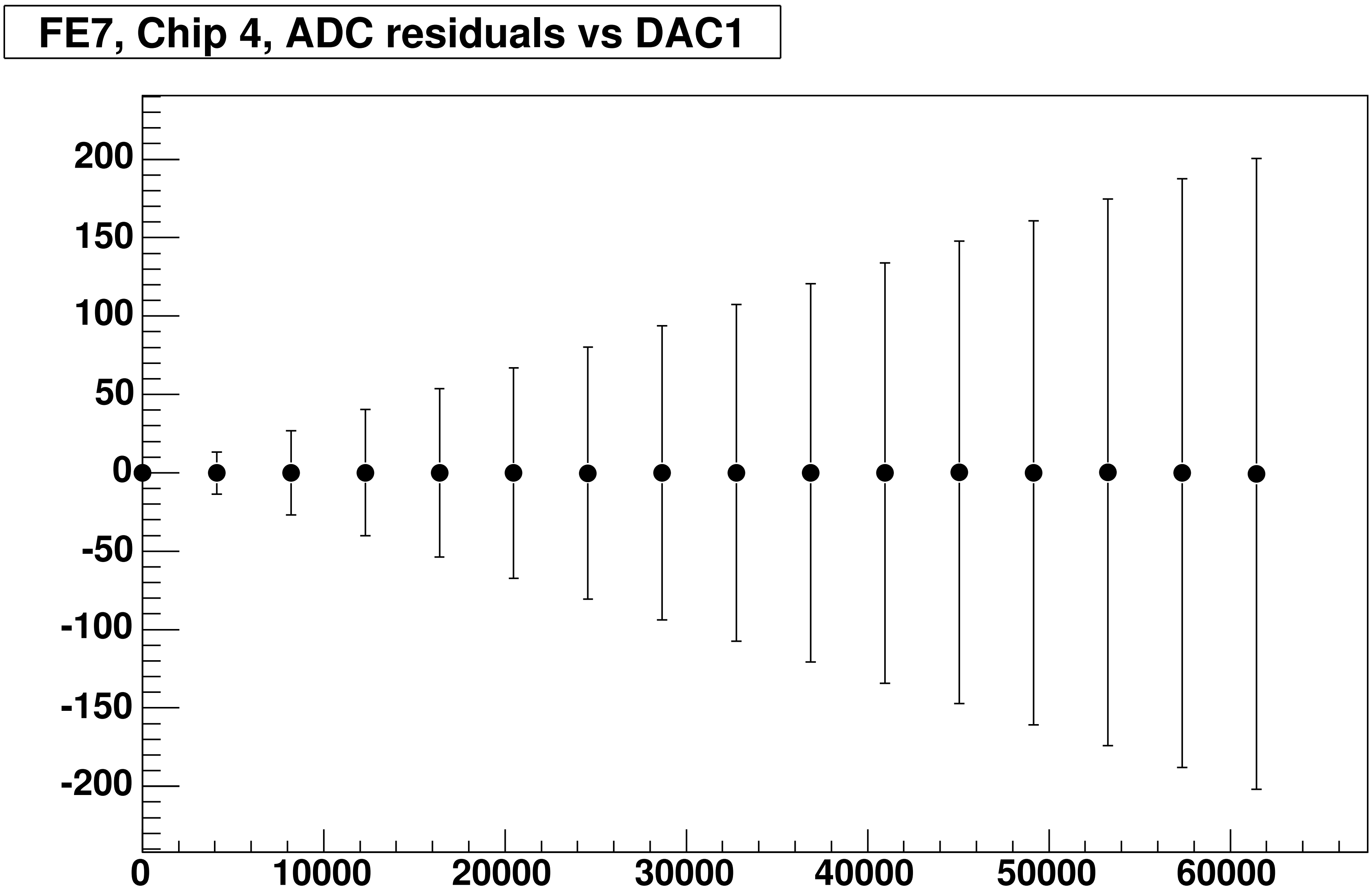
FE7, Chip 4, ADC residuals vs DAC0

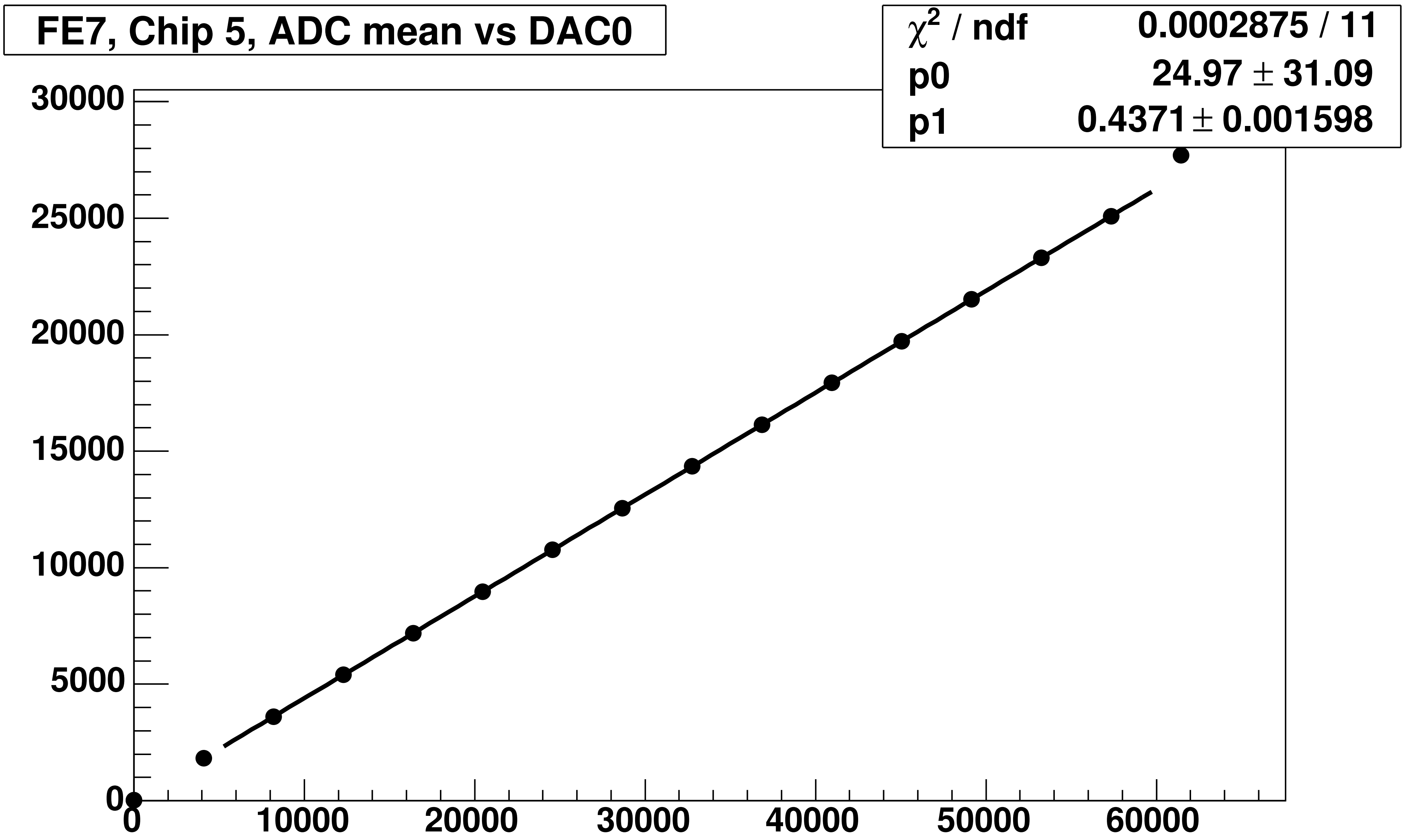


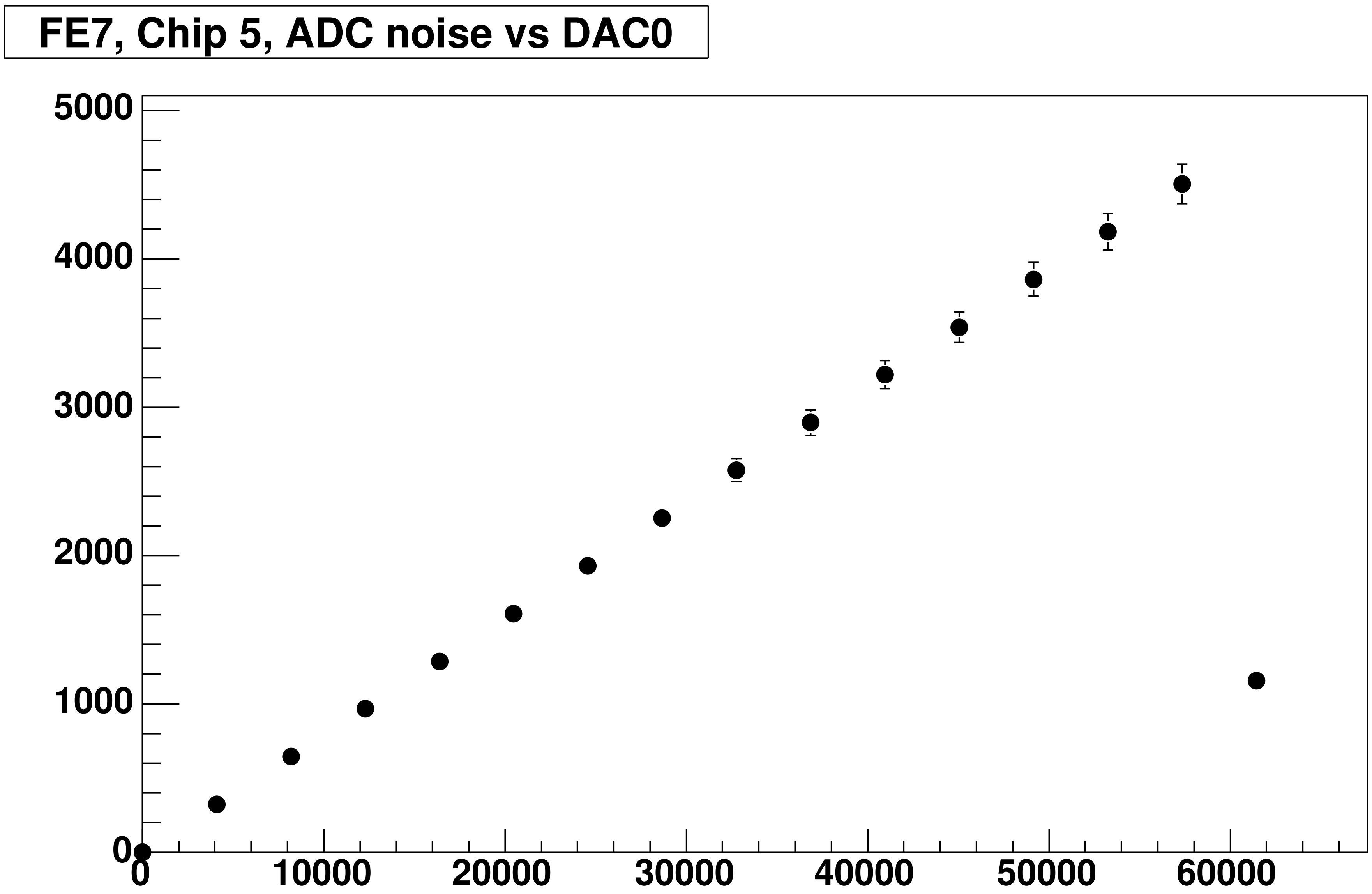

FE7, Chip 4, ADC mean vs DAC1
χ^2 / ndf 2.285e-05 / 11
p0 28.52 ± 31.09
p1 0.0141 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000



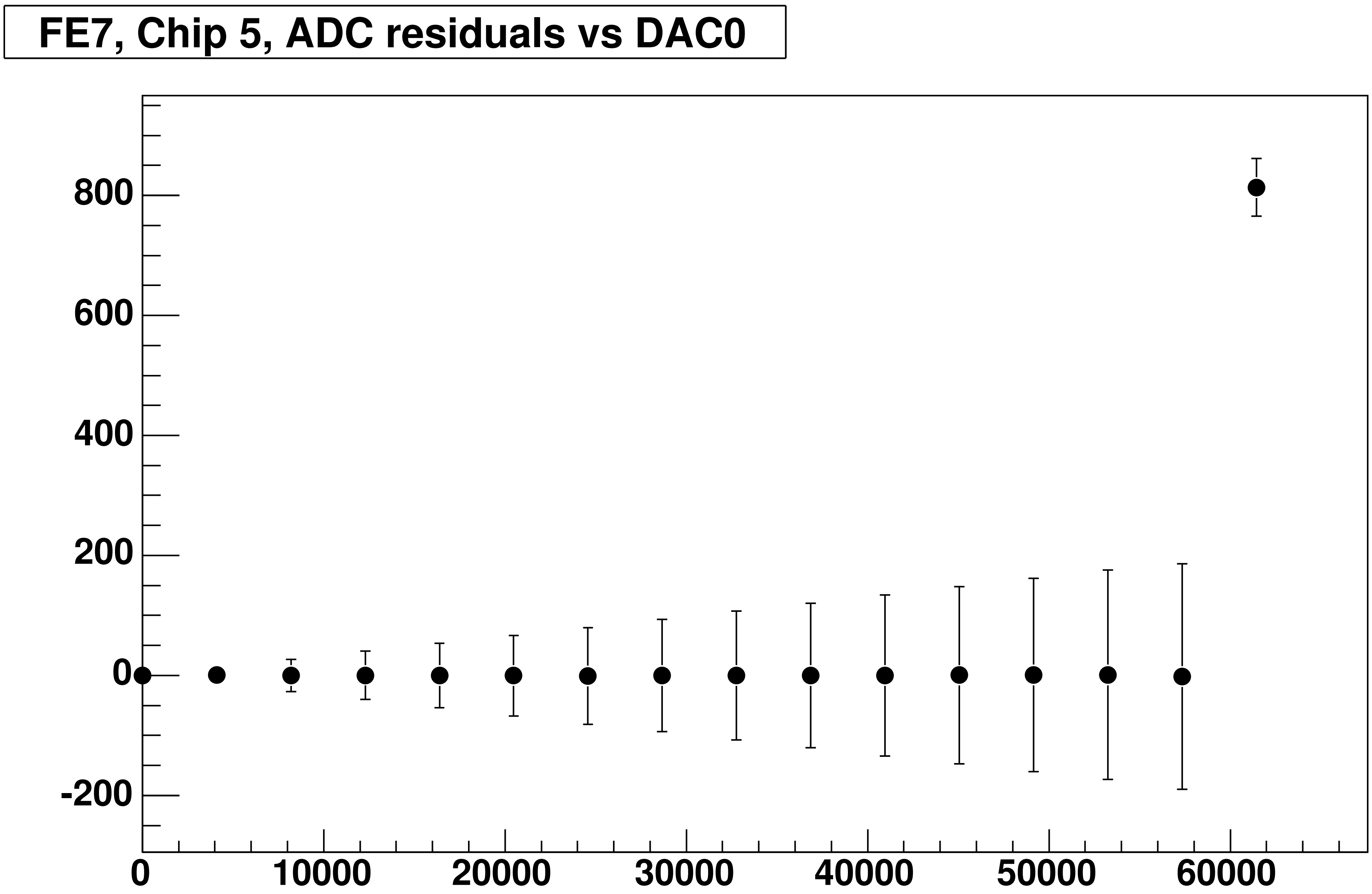
FE7, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

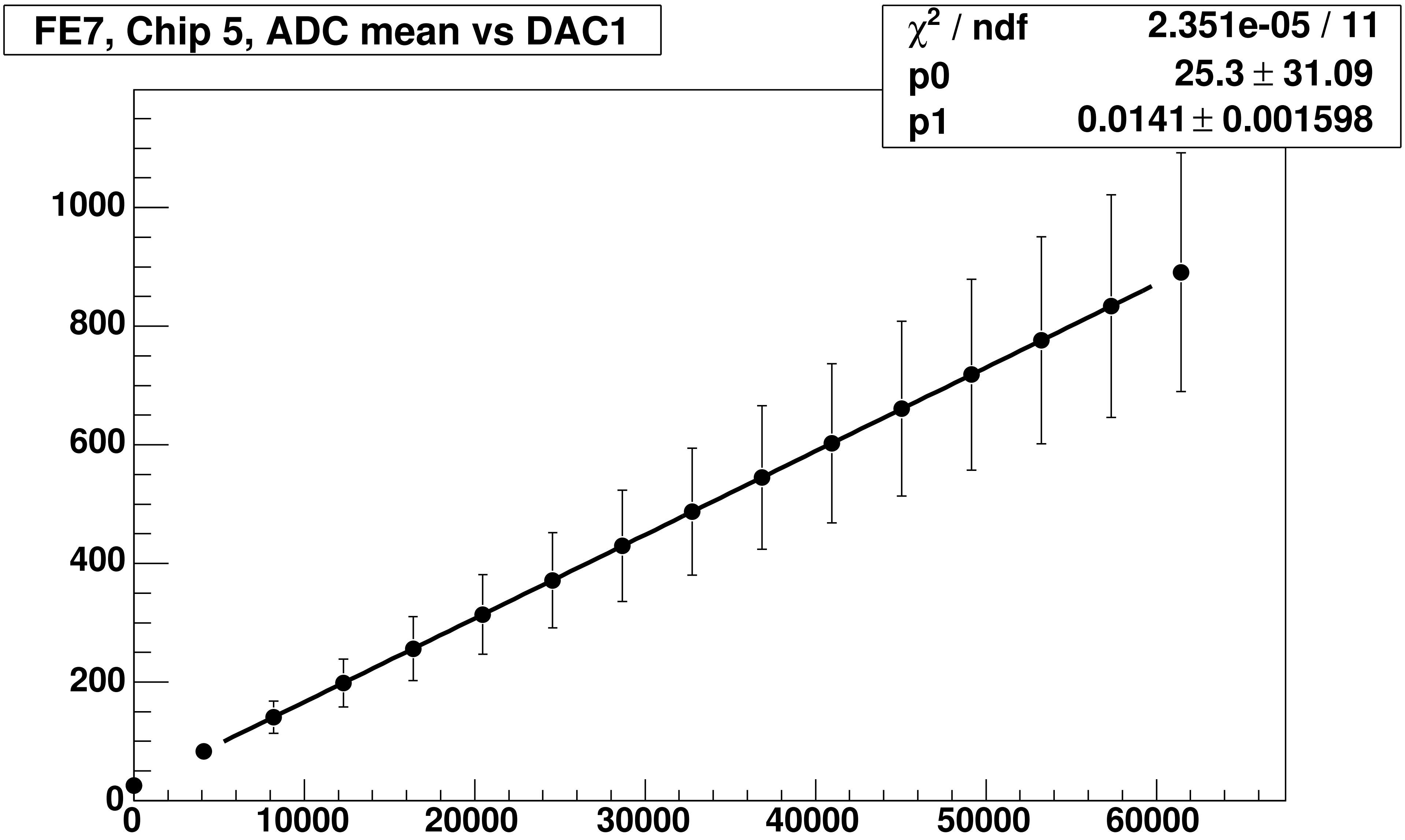

FE7, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0002875 / 11
p0 24.97 ± 31.09
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

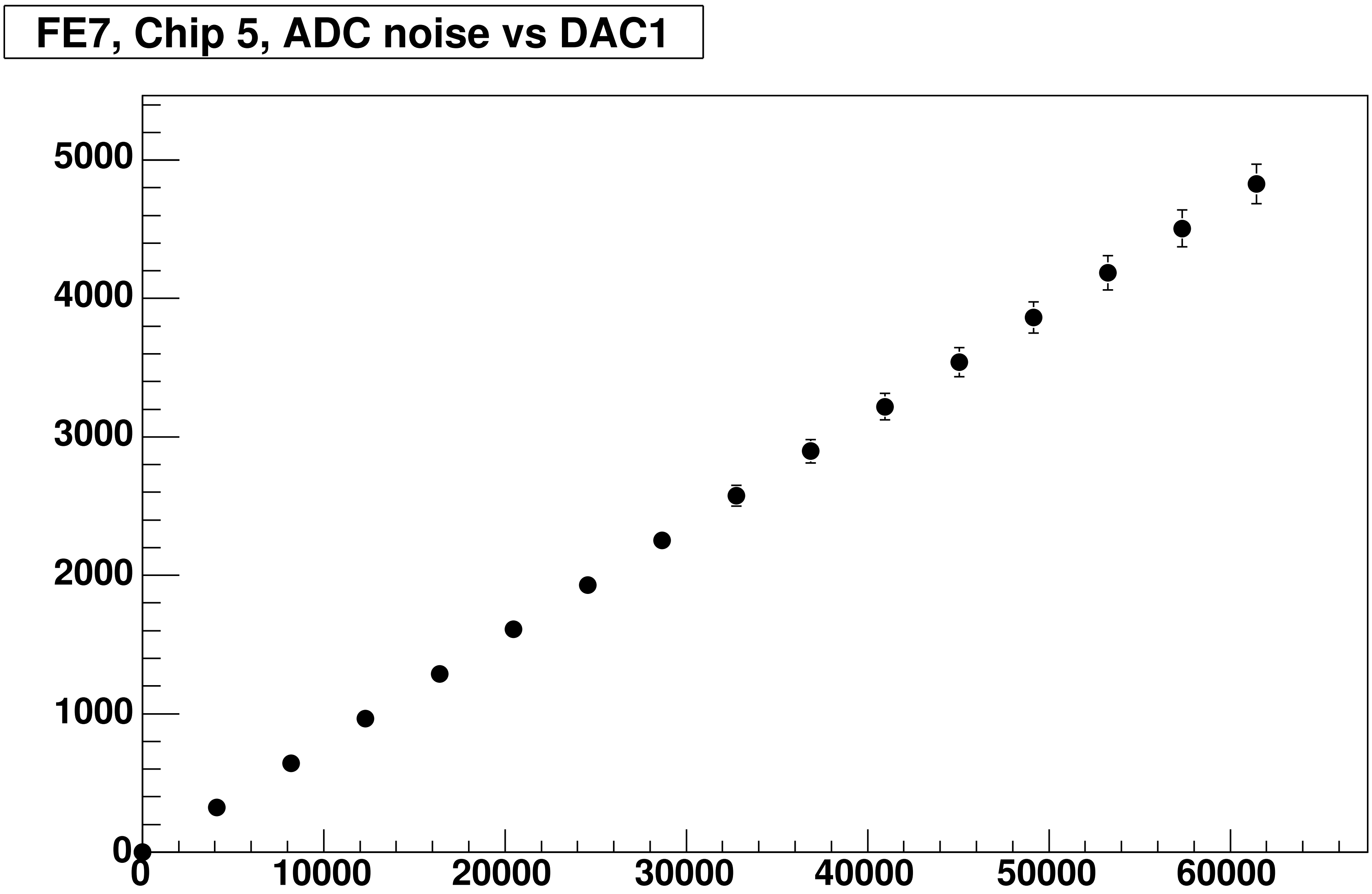


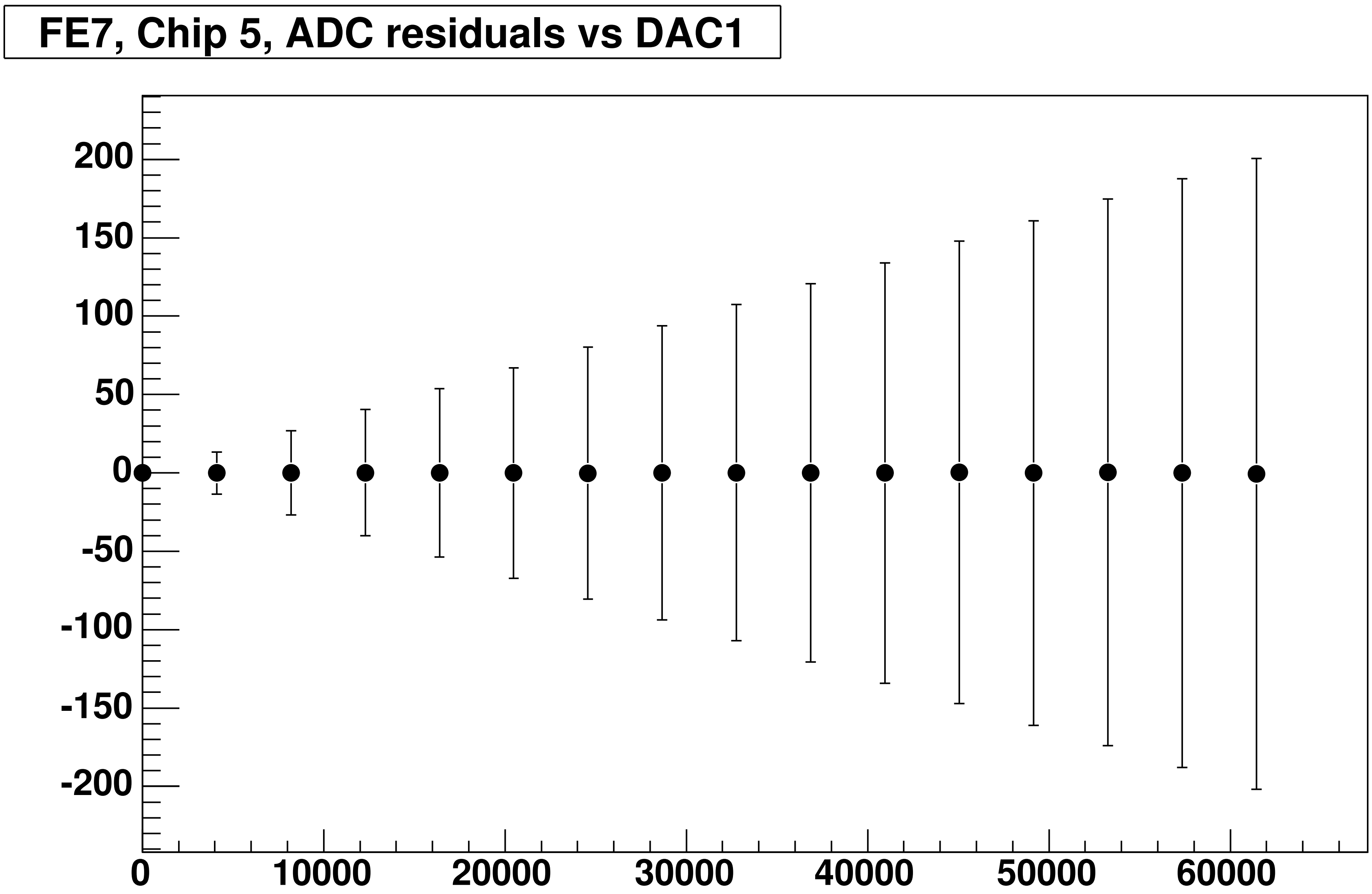
FE7, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

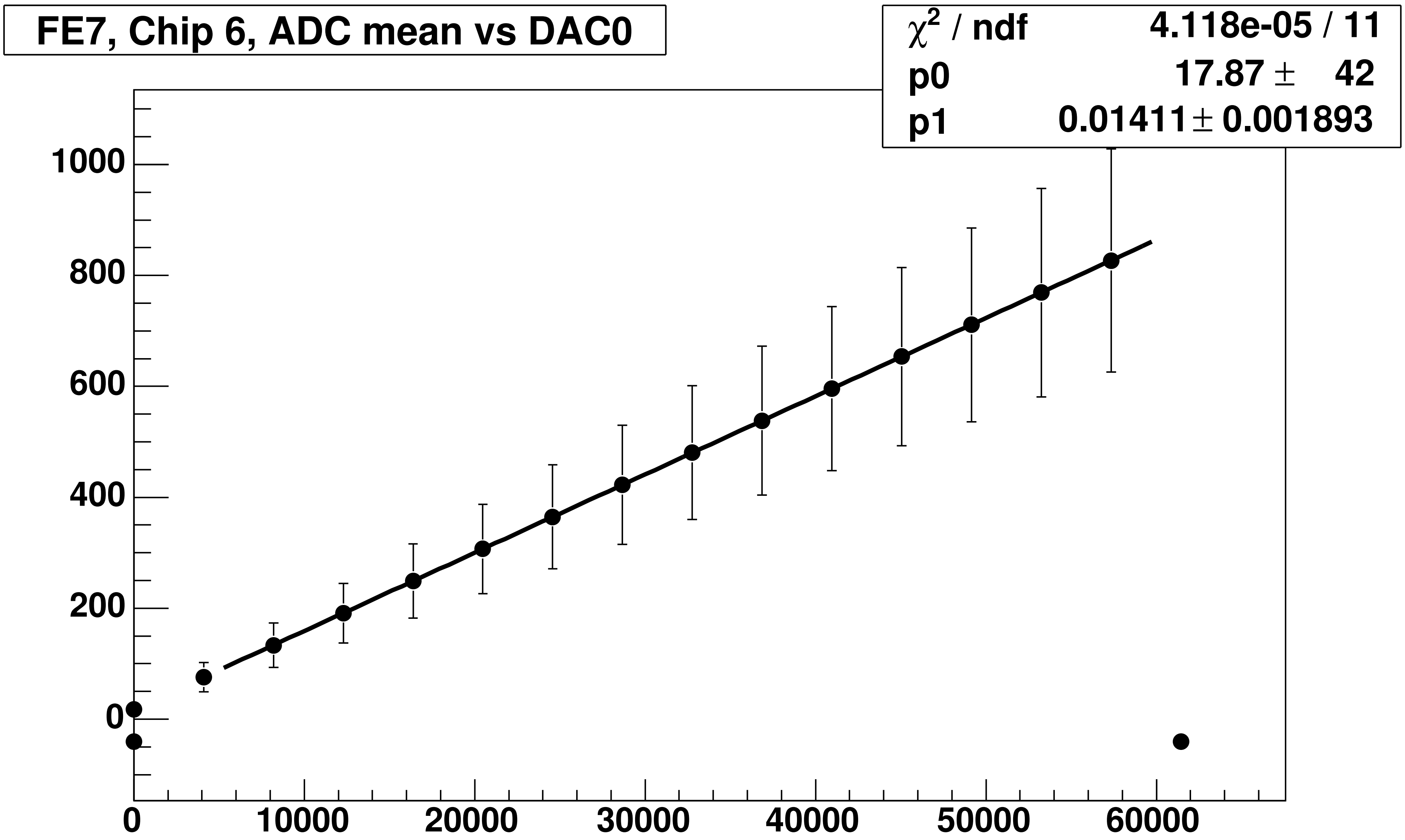

FE7, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



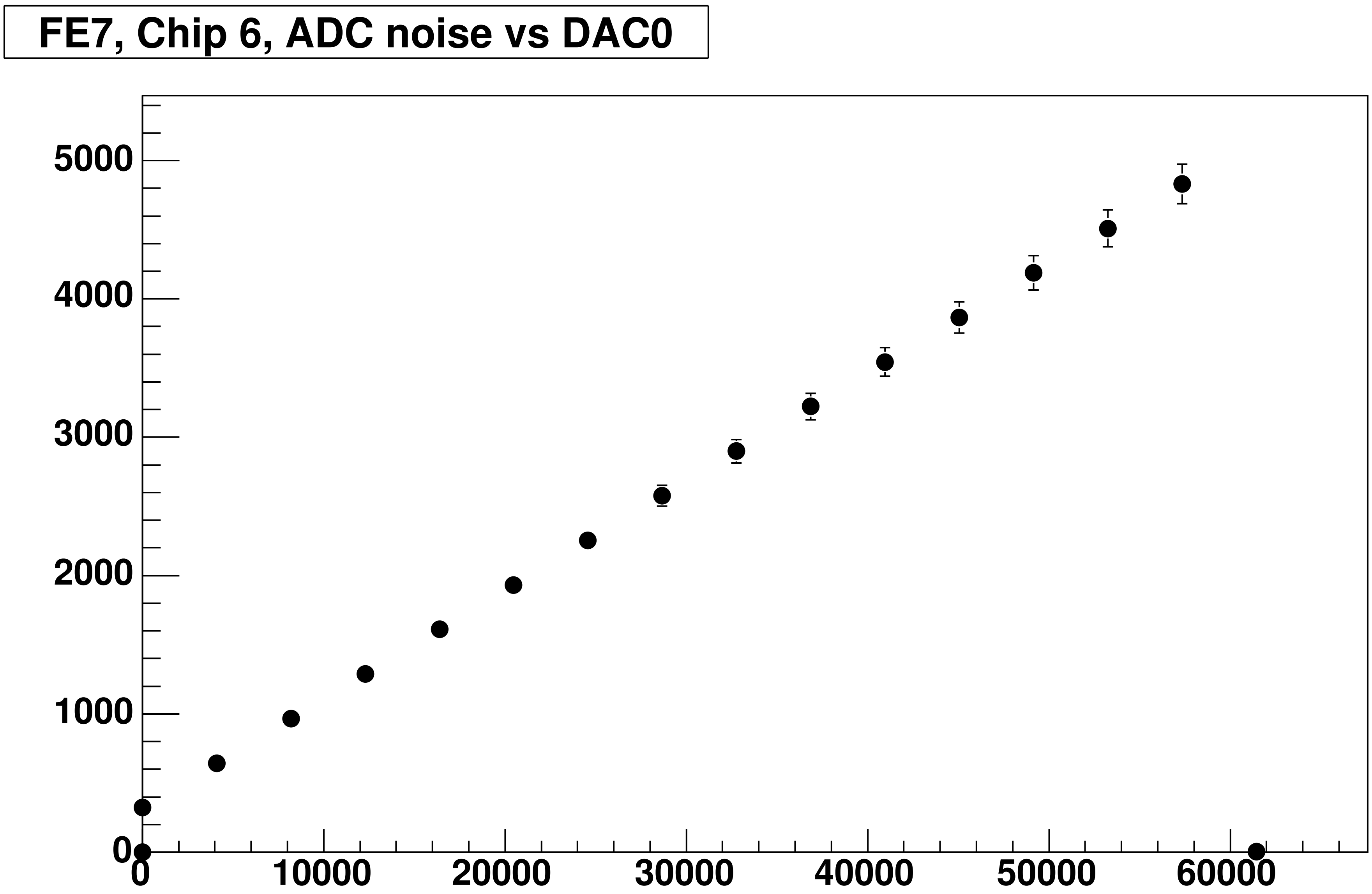
FE7, Chip 5, ADC mean vs DAC1
χ^2 / ndf 2.351e-05 / 11
p0 25.3 ± 31.09
p1 0.0141 ± 0.001598
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

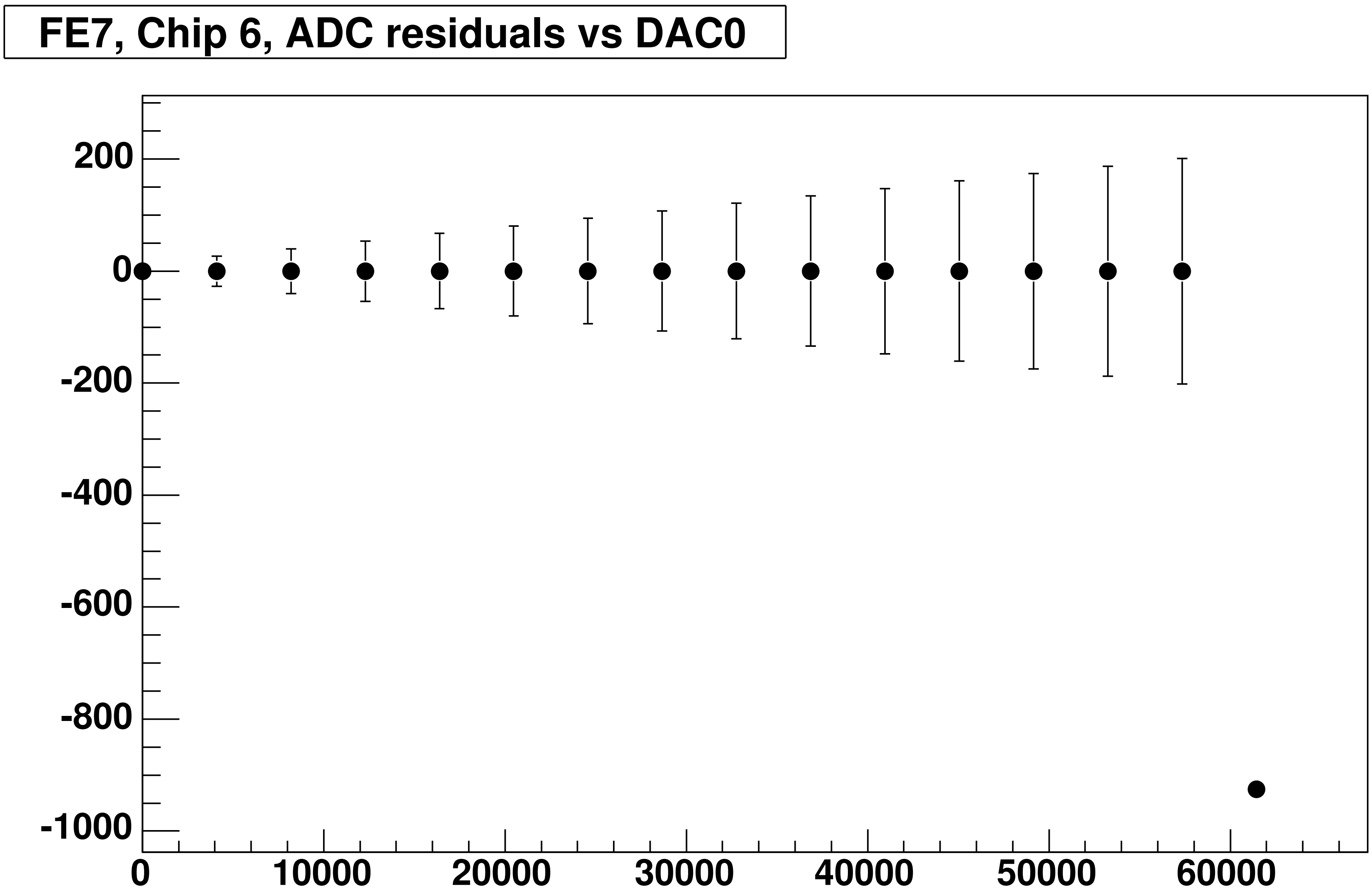

FE7, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



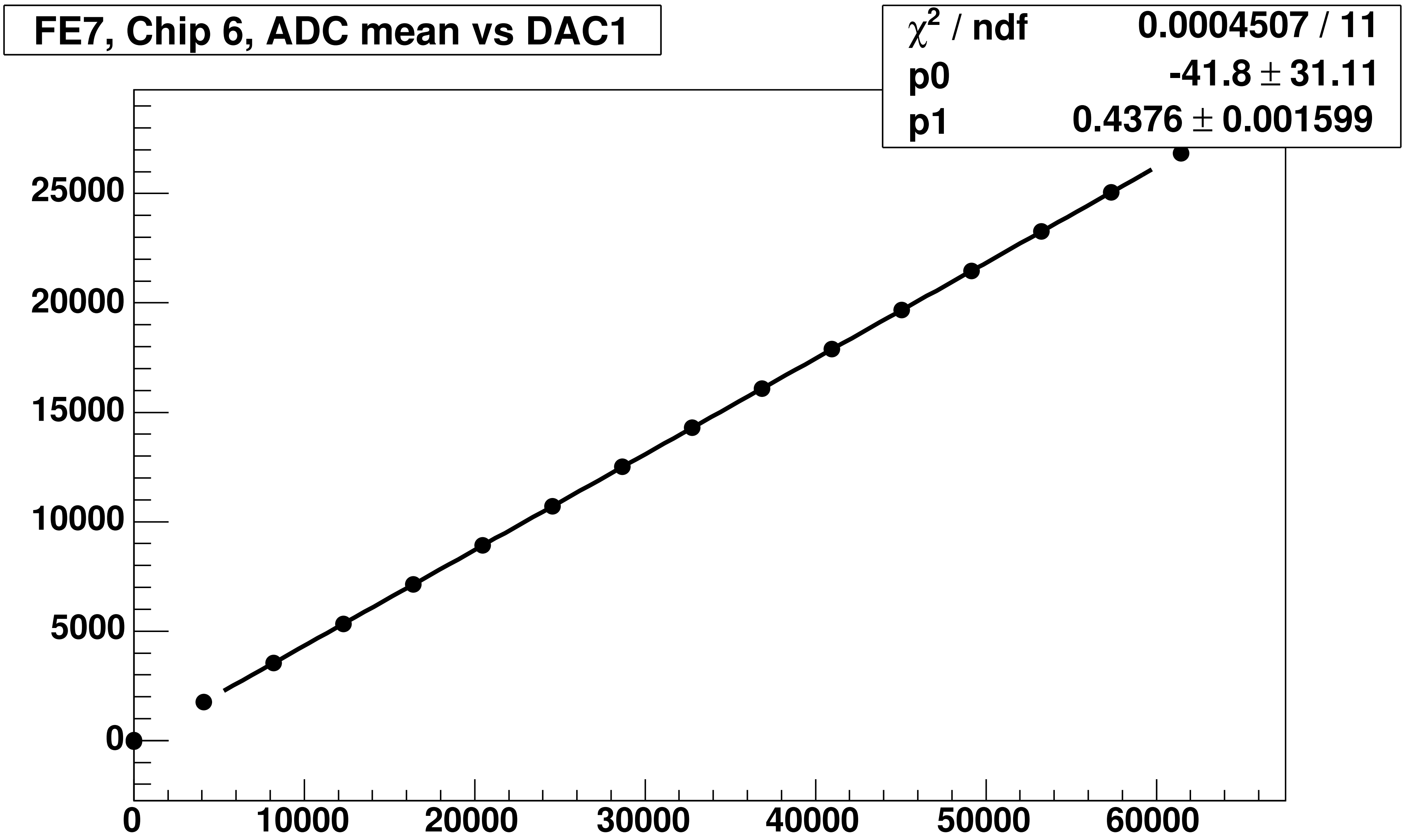
FE7, Chip 6, ADC mean vs DAC0
χ^2 / ndf 4.118e-05 / 11
p0 17.87 ± 42
p1 0.01411 ± 0.001893
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

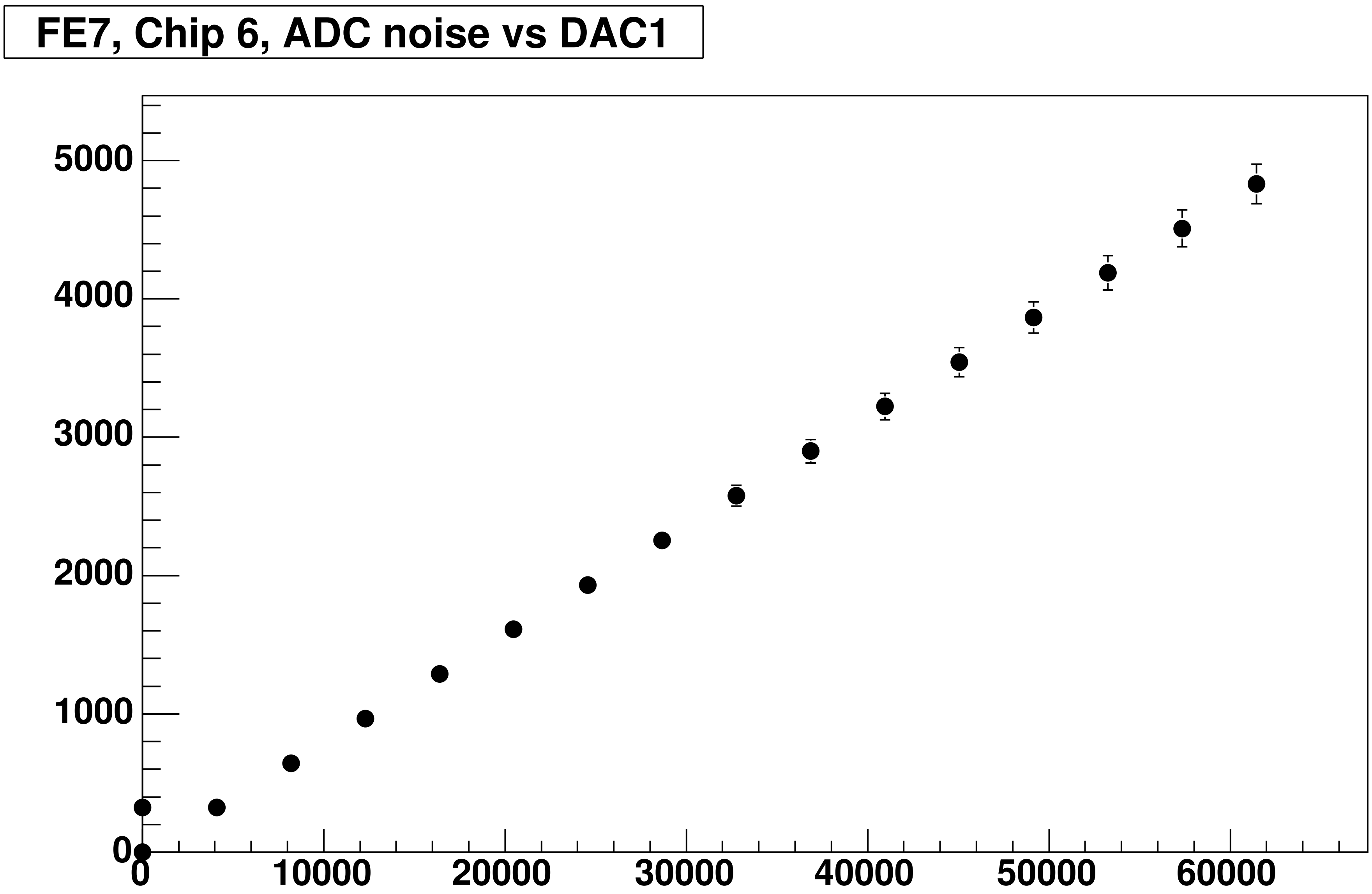


FE7, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

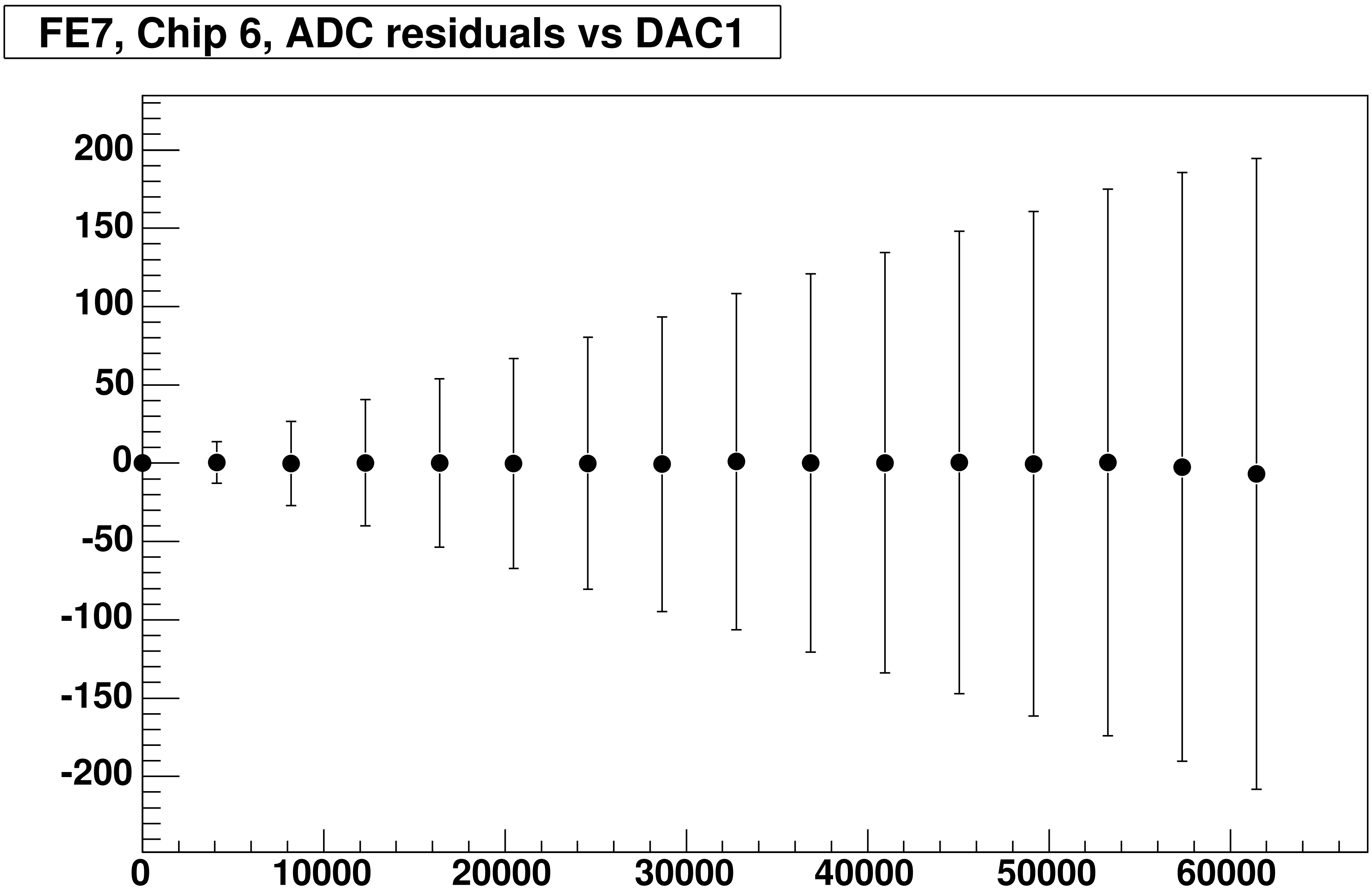


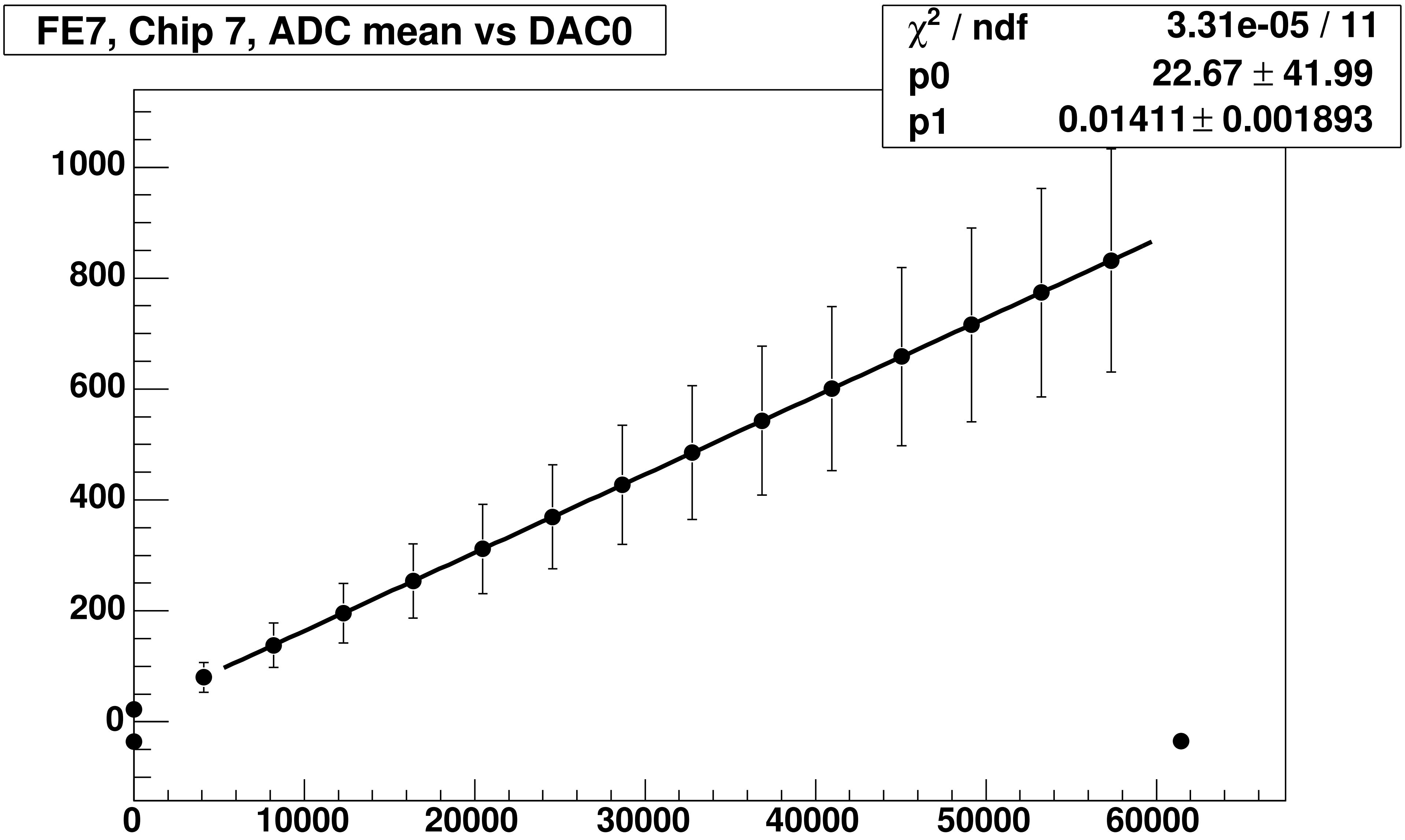
FE7, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.0004507 / 11
p0 -41.8 ± 31.11
p1 0.4376 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

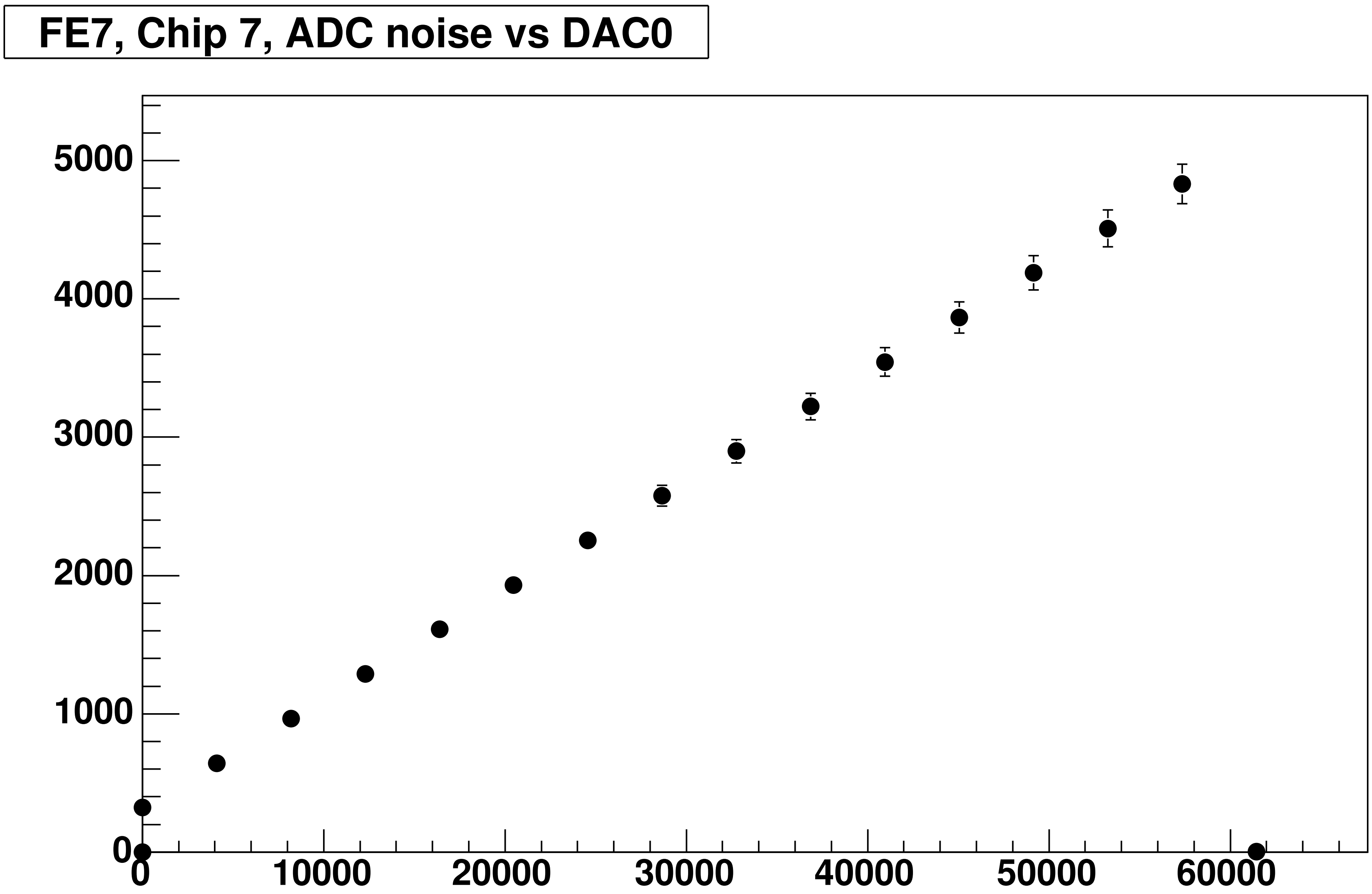


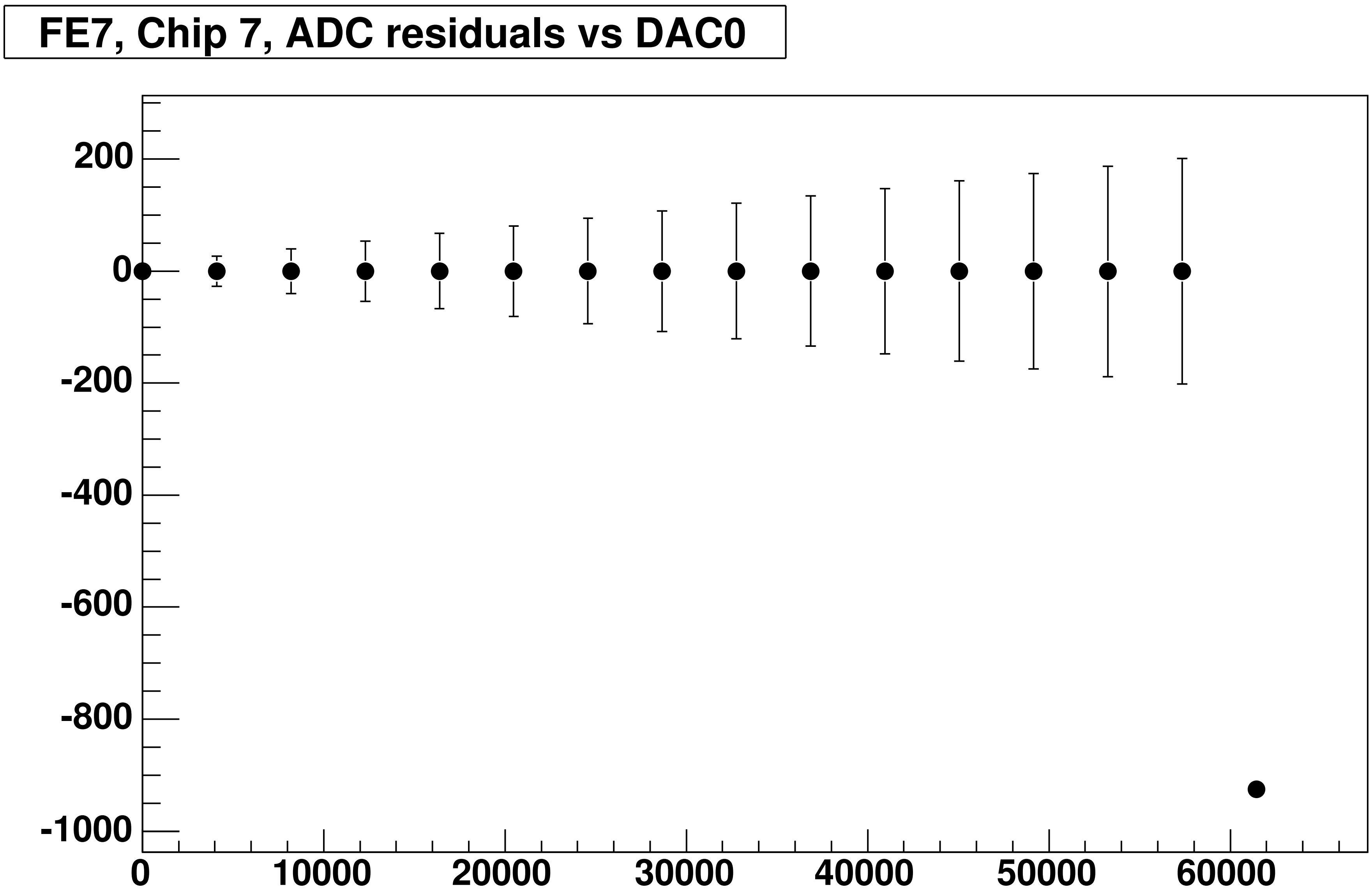
FE7, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

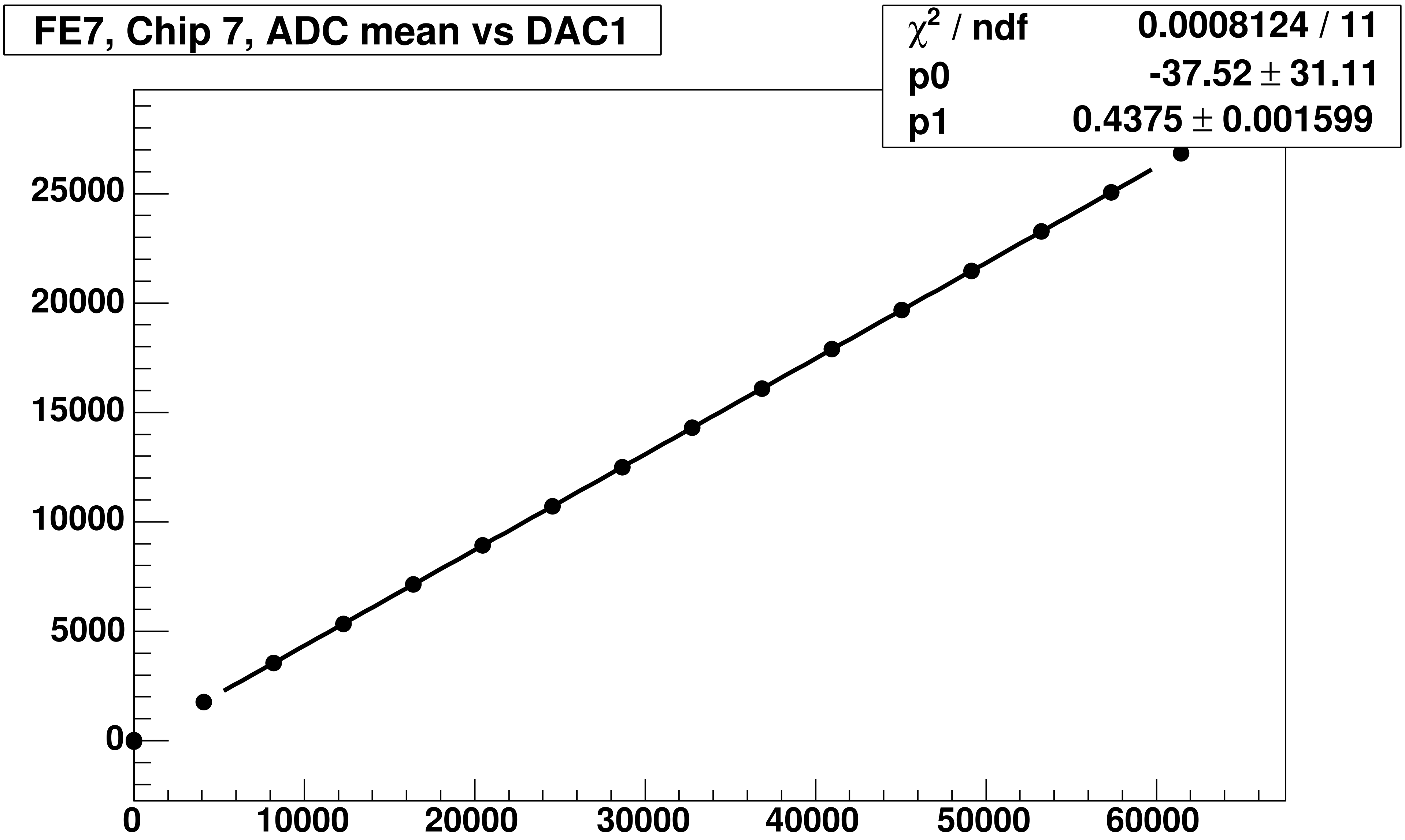


FE7, Chip 7, ADC mean vs DAC0
χ^2 / ndf 3.31e-05 / 11
p0 22.67 ± 41.99
p1 0.01411 ± 0.001893
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

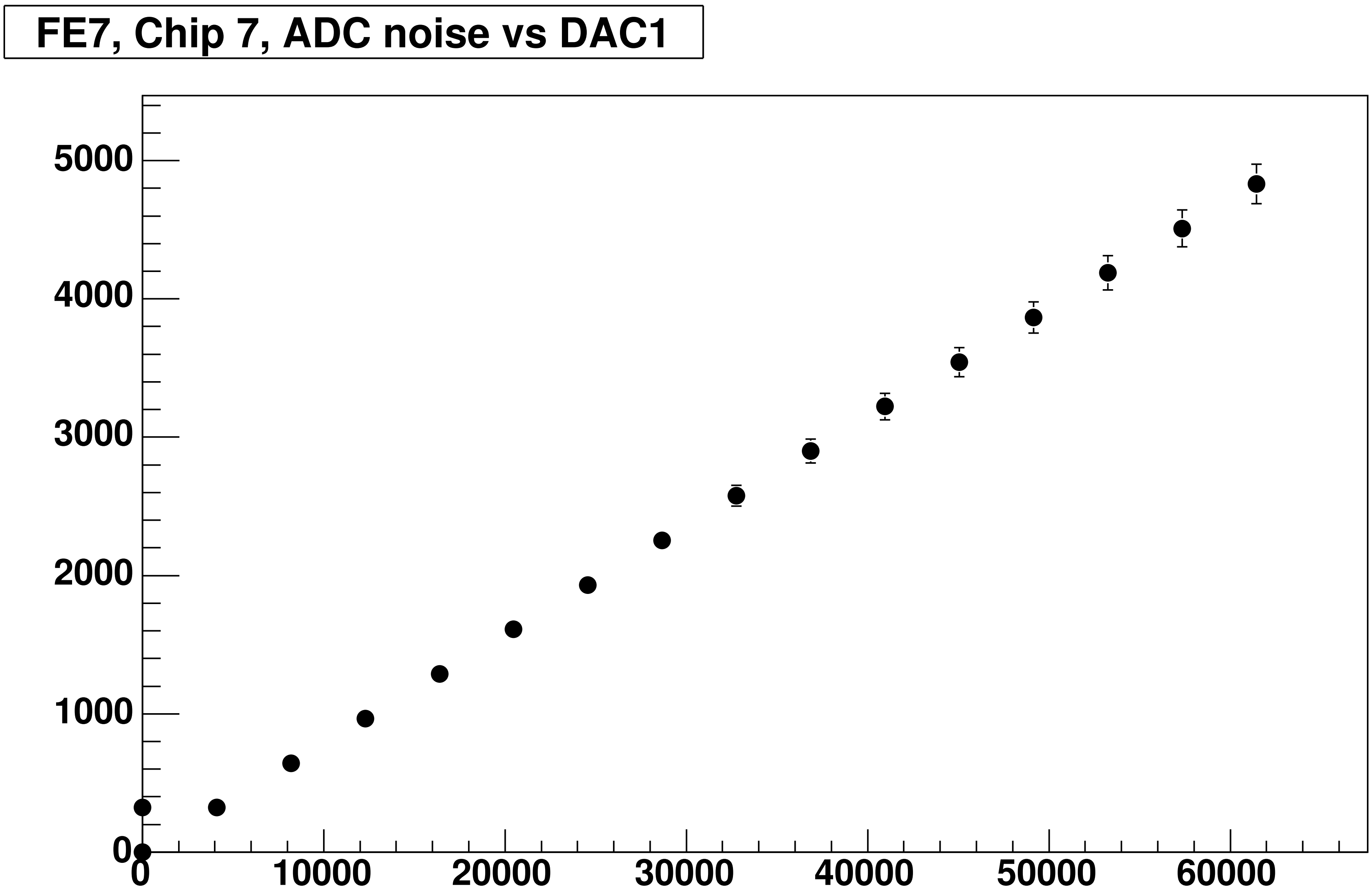

FE7, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

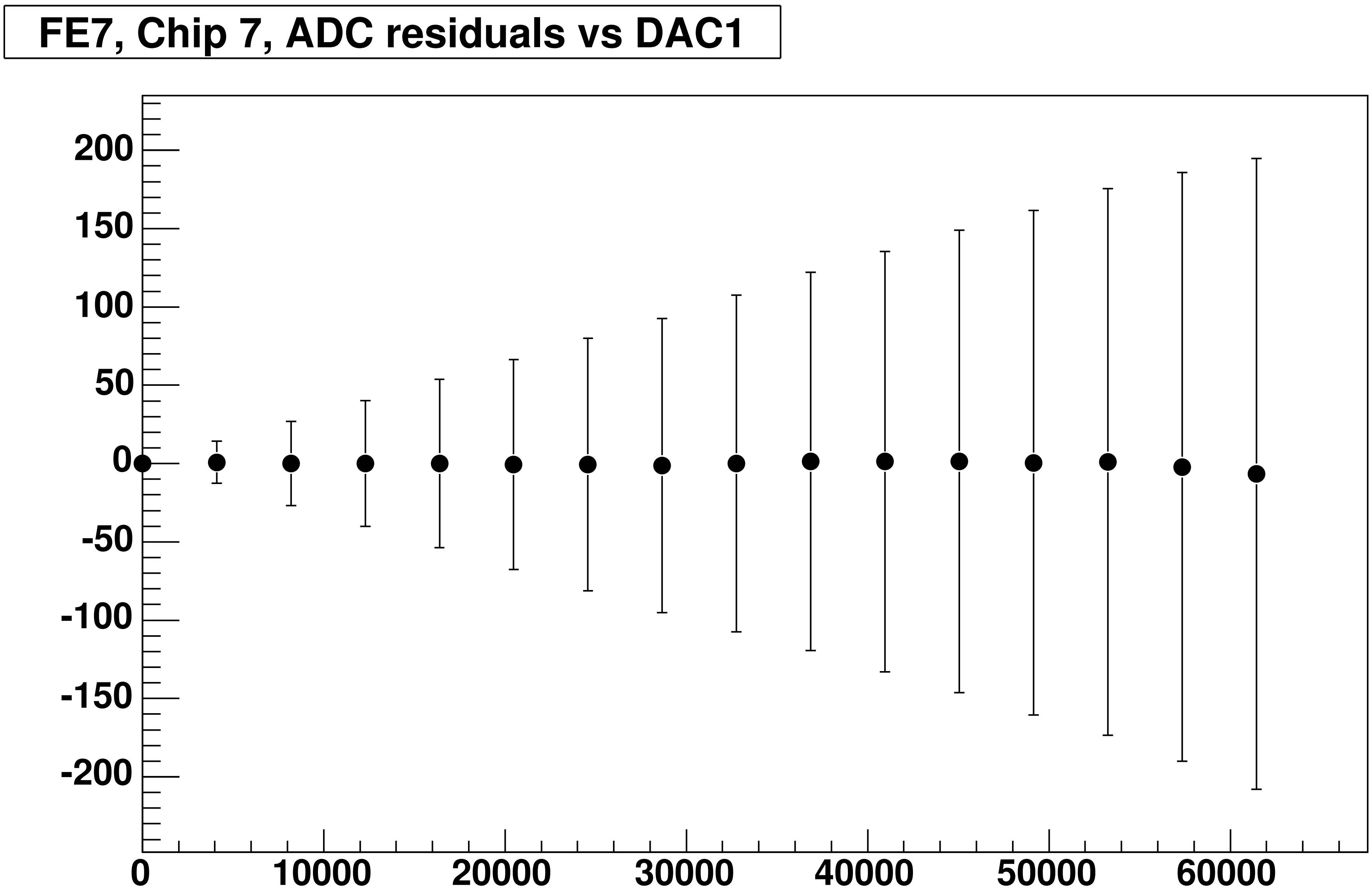


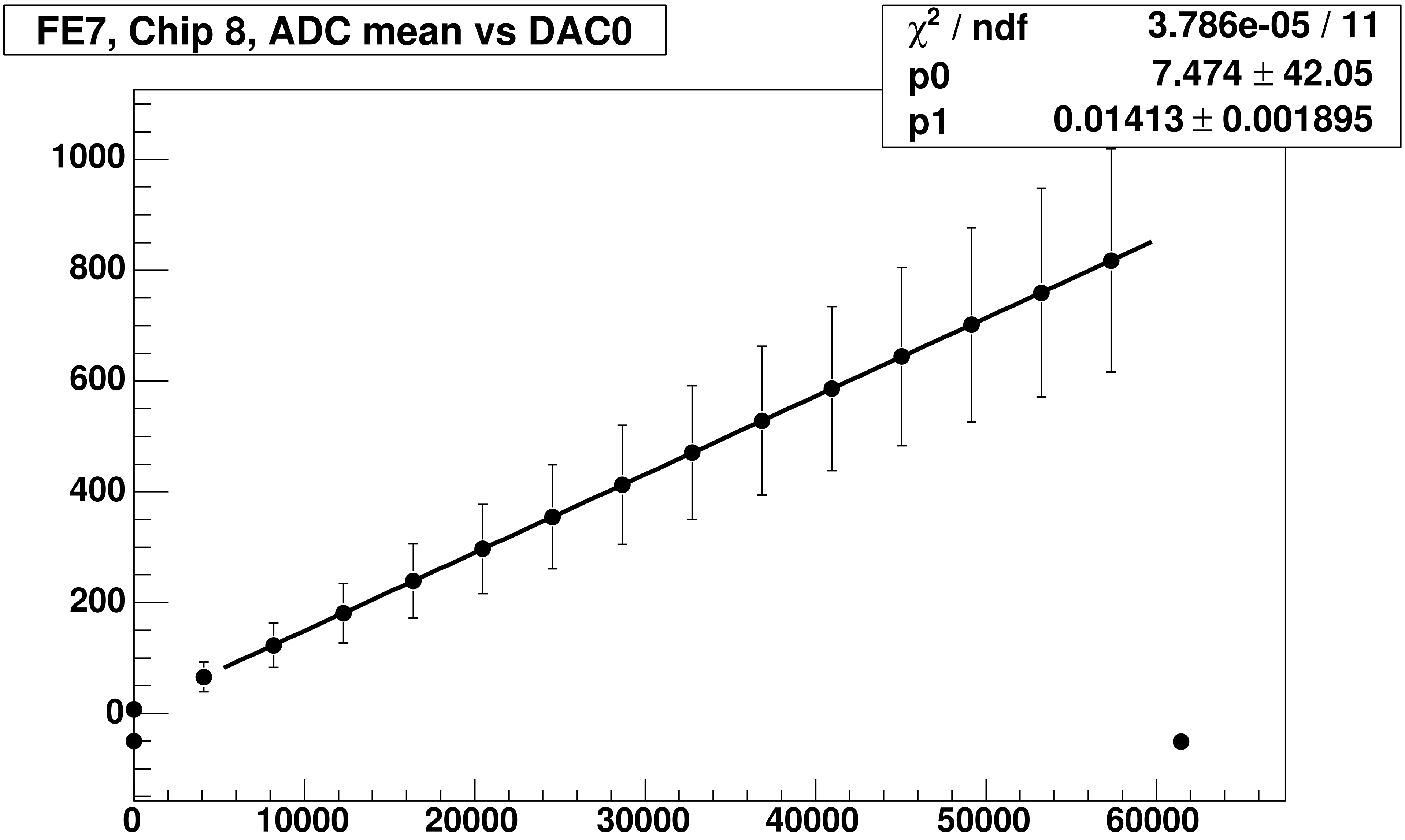
FE7, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



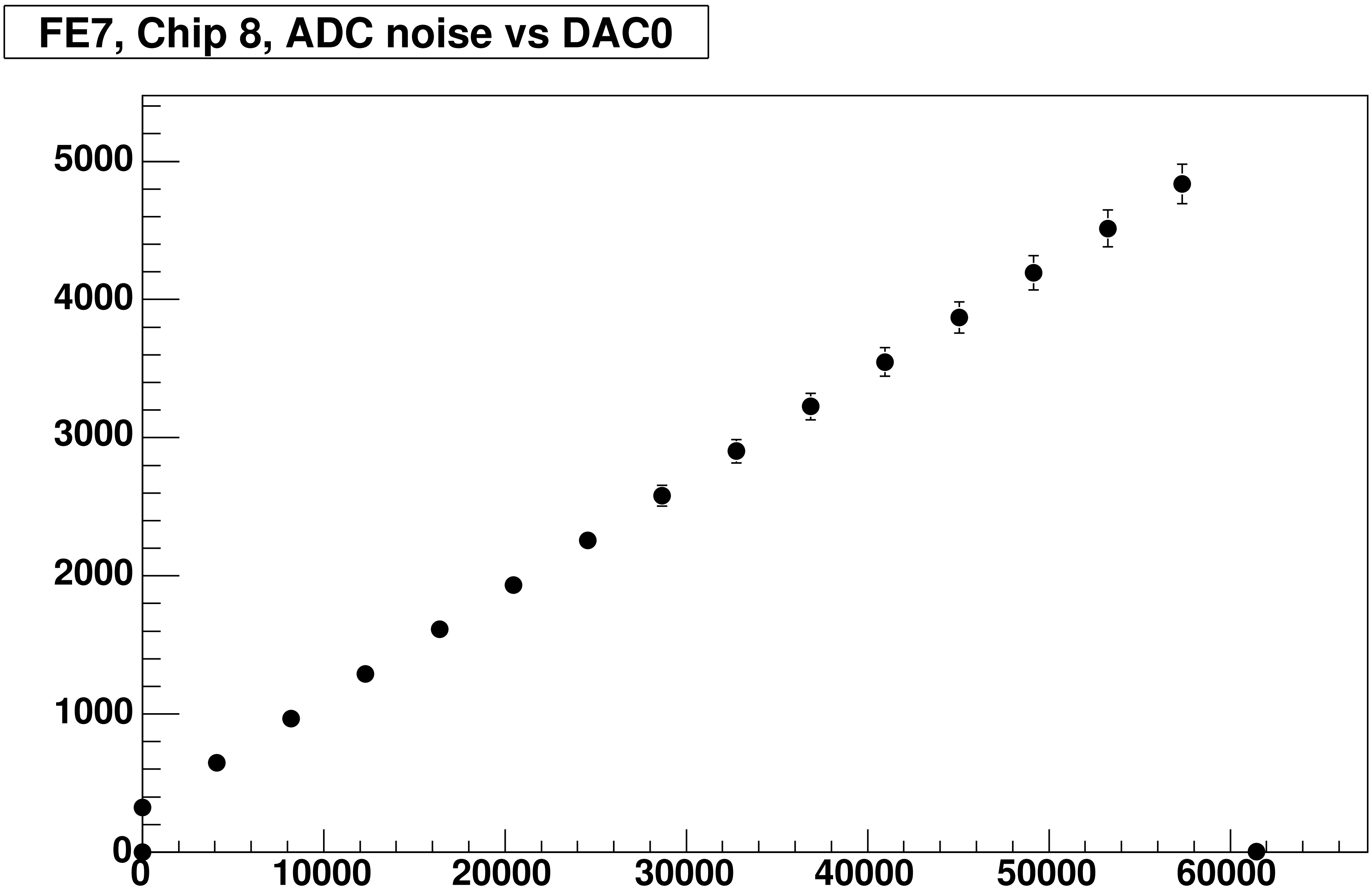
FE7, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.0008124 / 11
p0 -37.52 ± 31.11
p1 0.4375 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

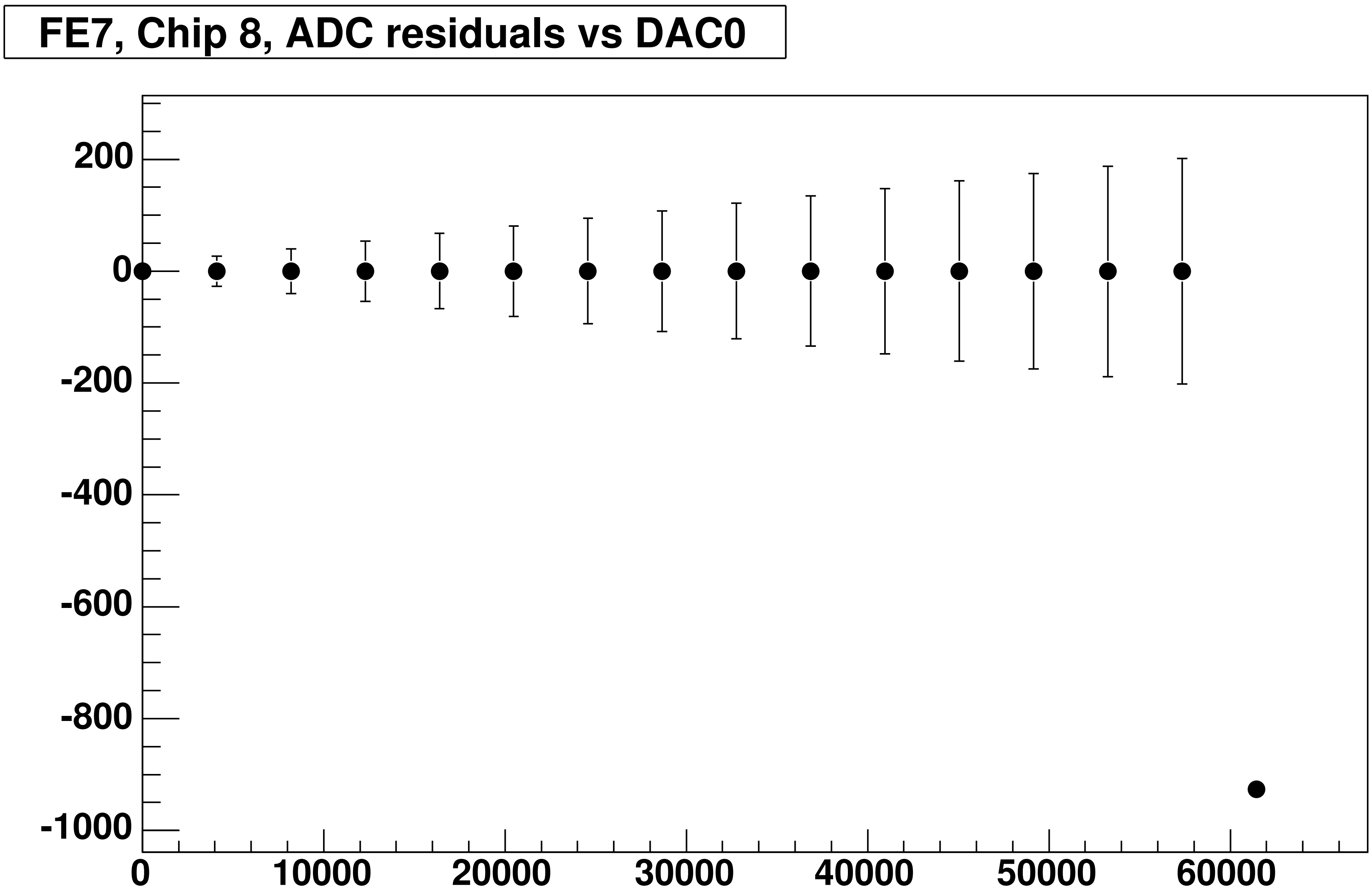

FE7, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



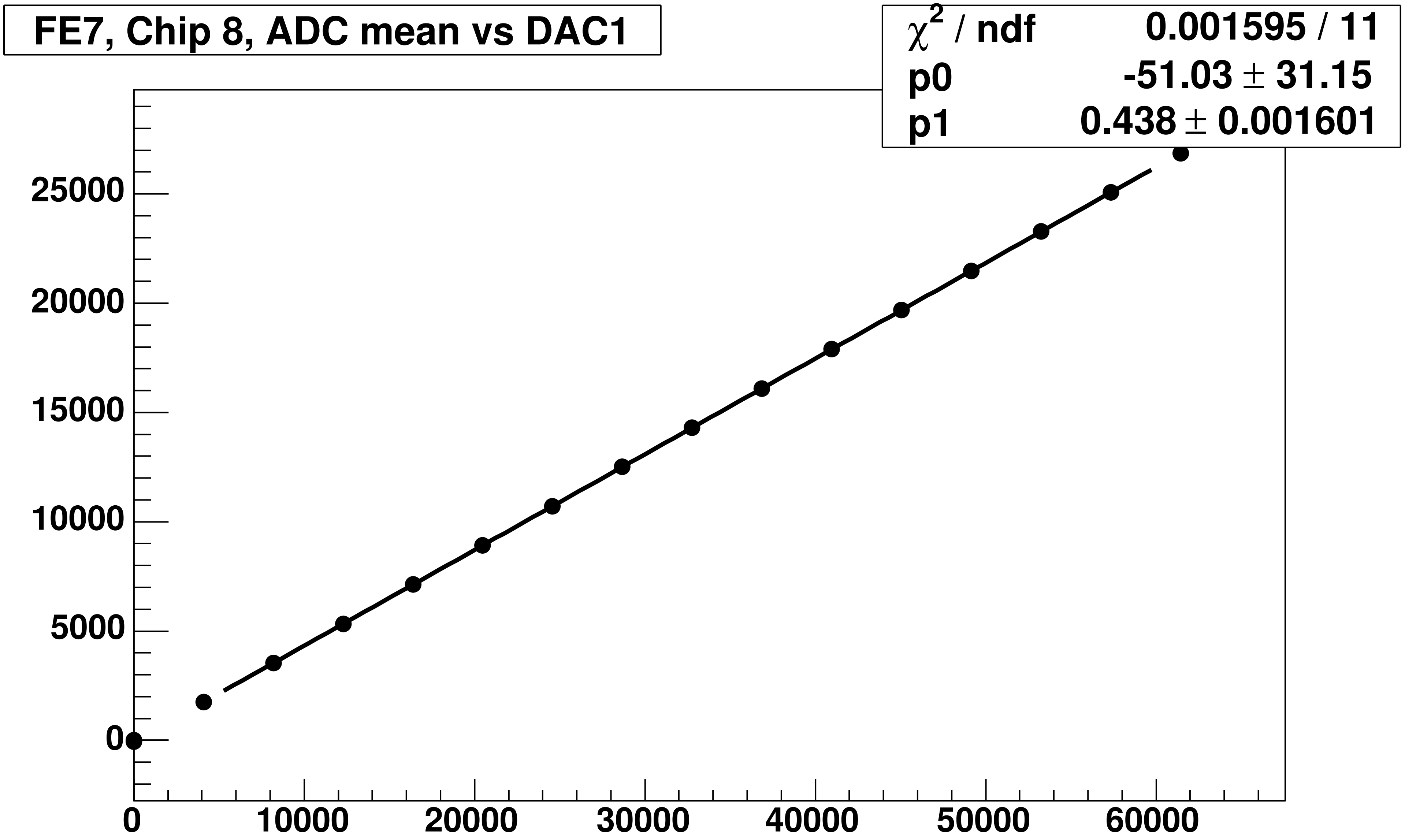
FE7, Chip 8, ADC mean vs DAC0
χ^2 / ndf 3.786e-05 / 11
p0 7.474 ± 42.05
p1 0.01413 ± 0.001895
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

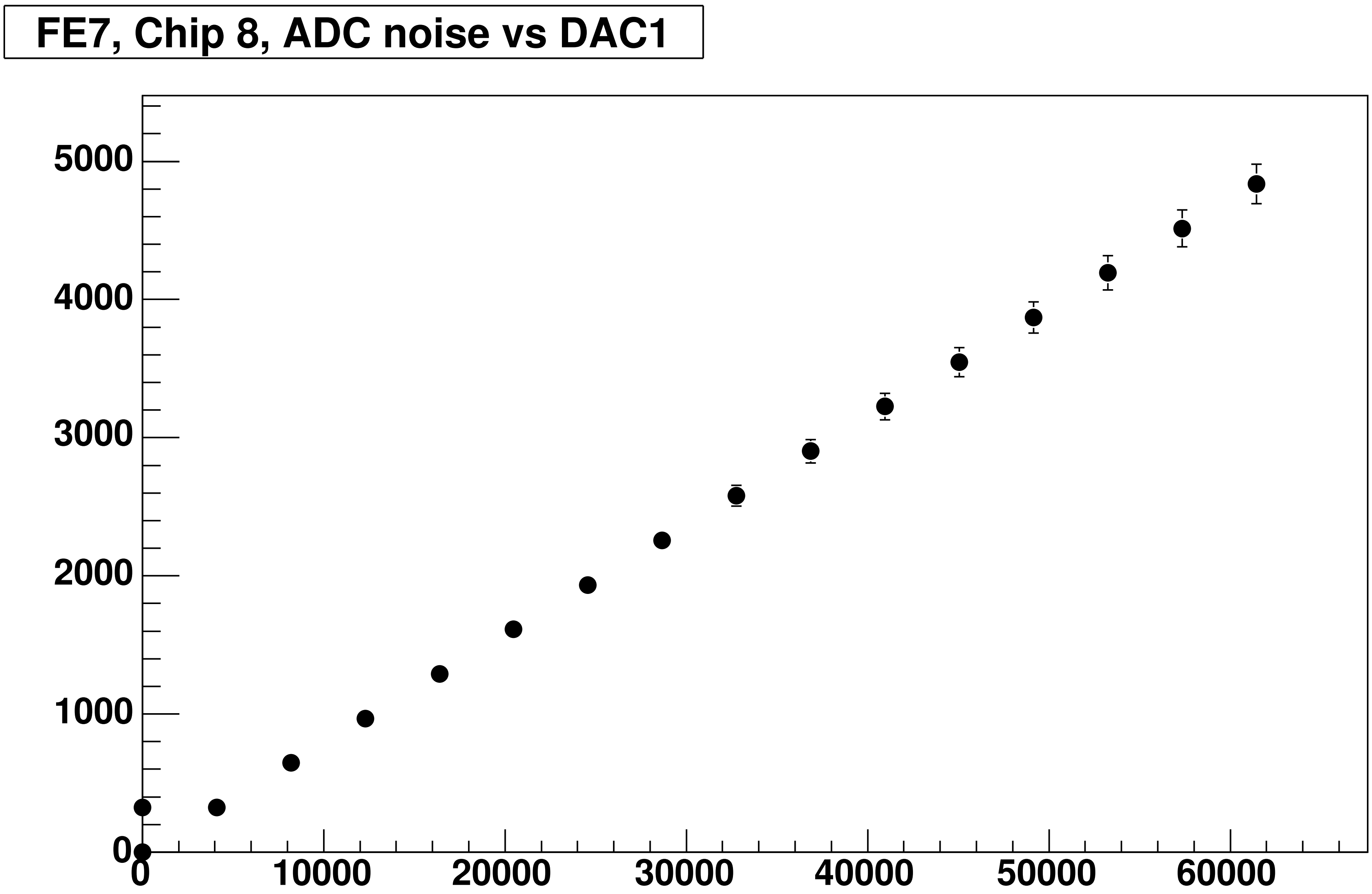


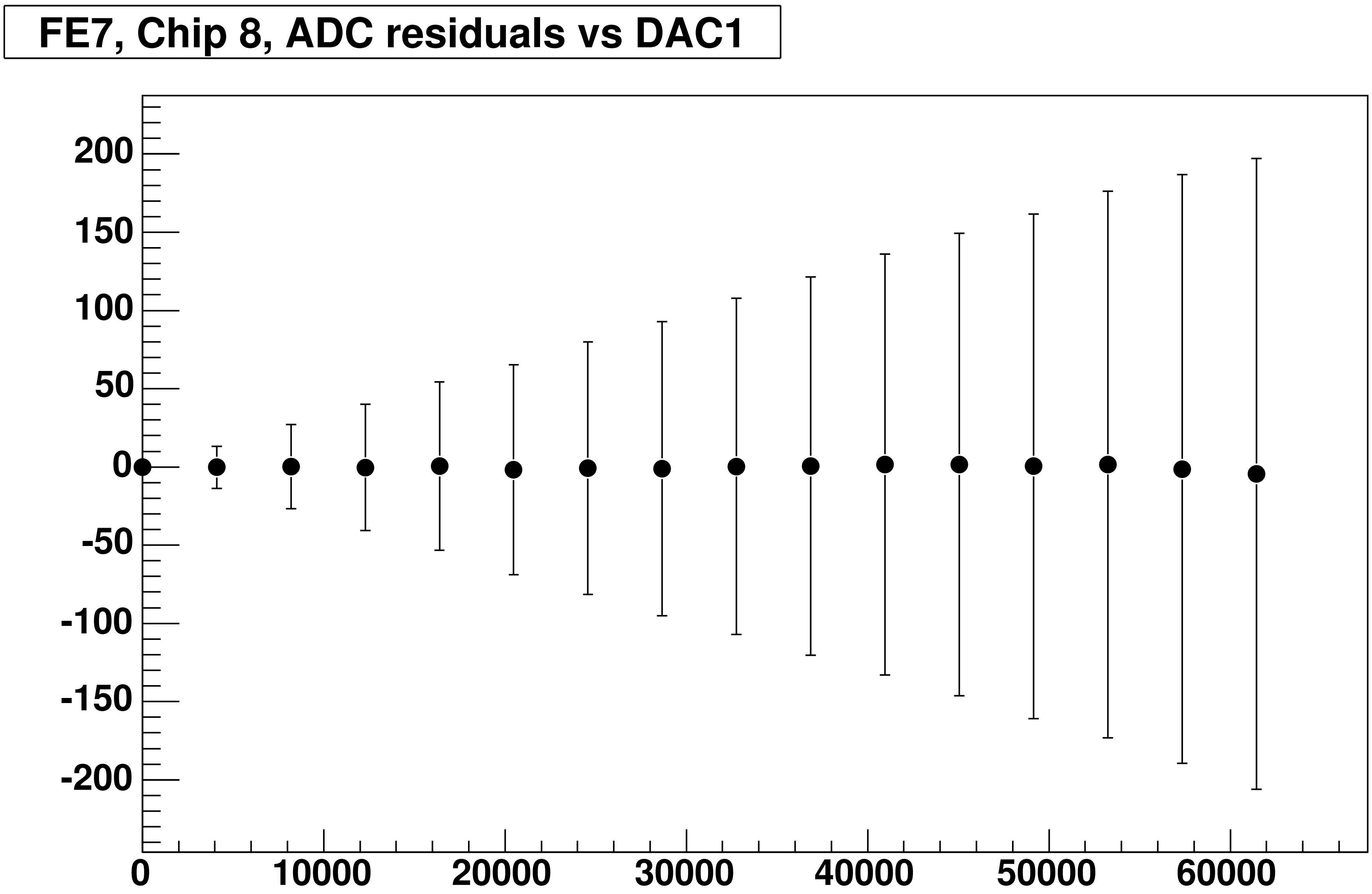
FE7, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



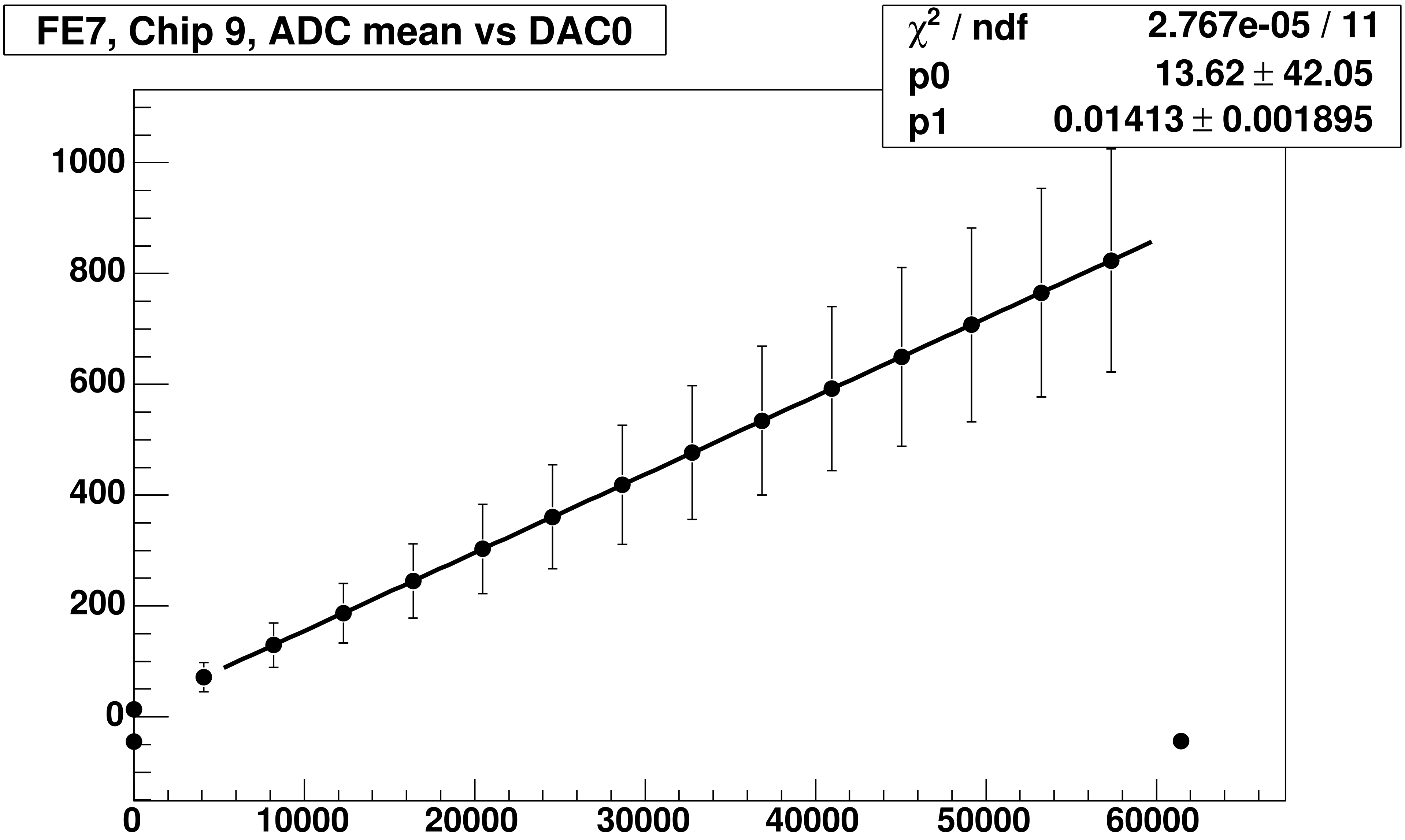
FE7, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001595 / 11
p0 -51.03 ± 31.15
p1 0.438 ± 0.001601
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

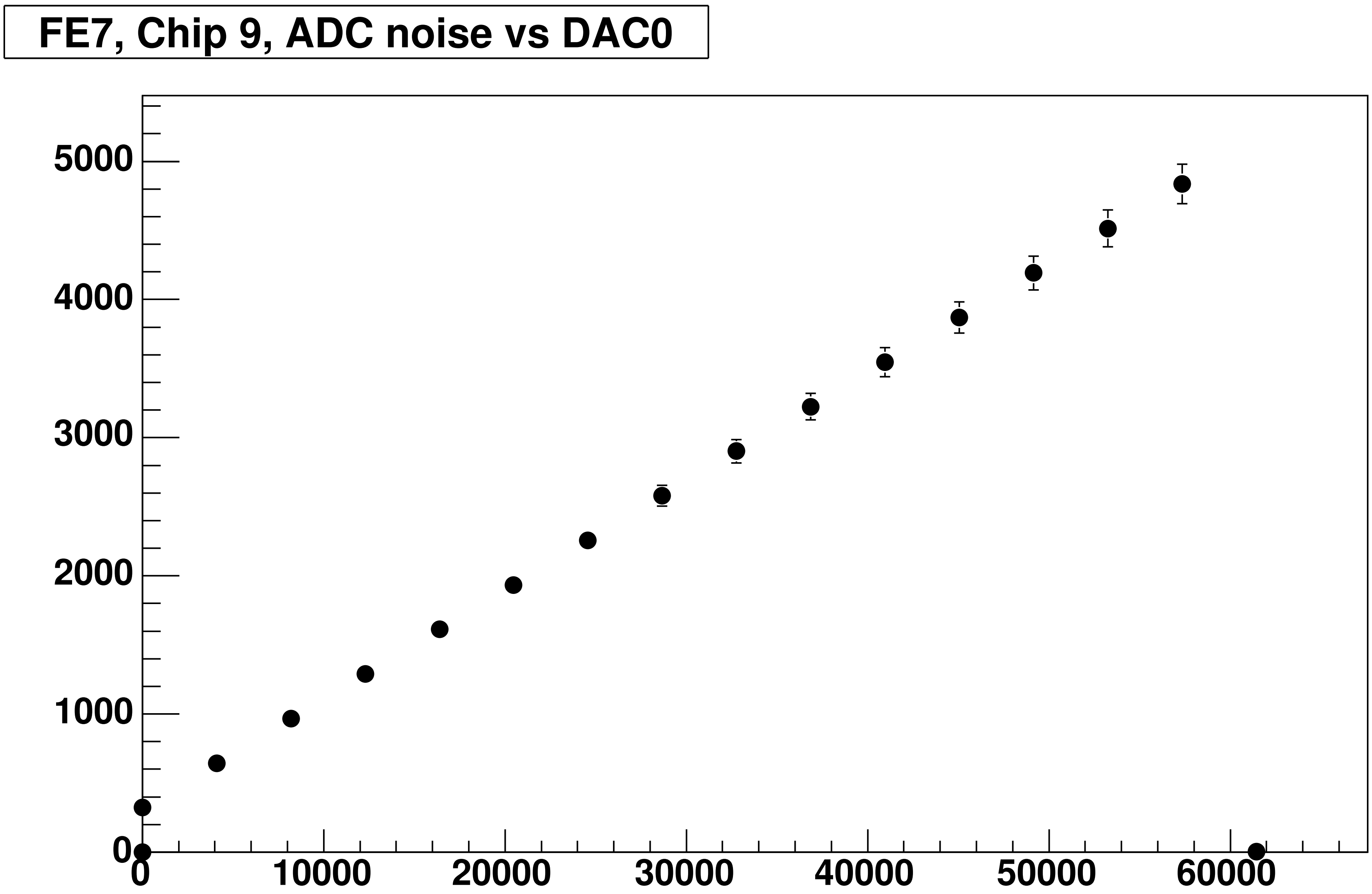

FE7, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

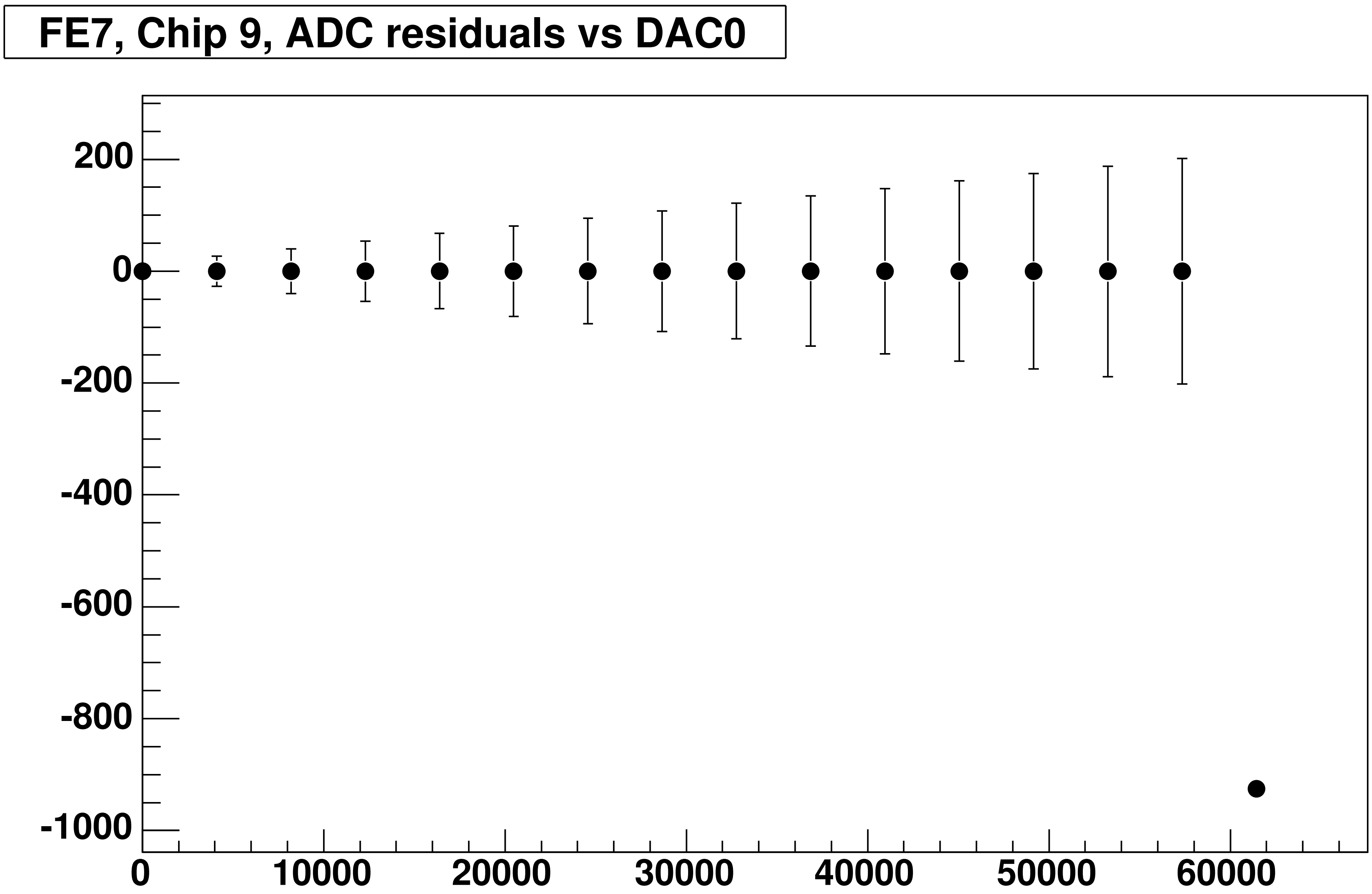


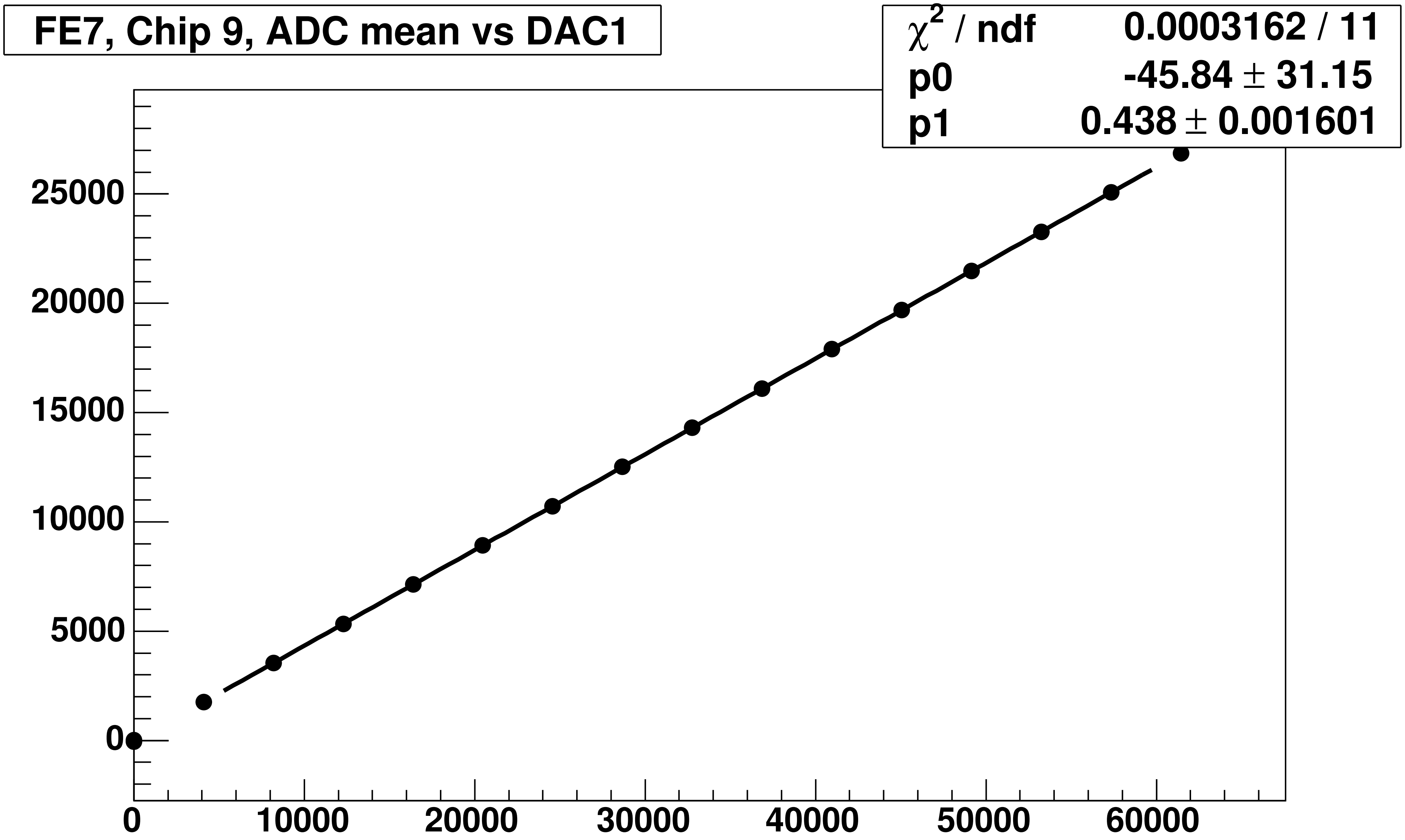
FE7, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

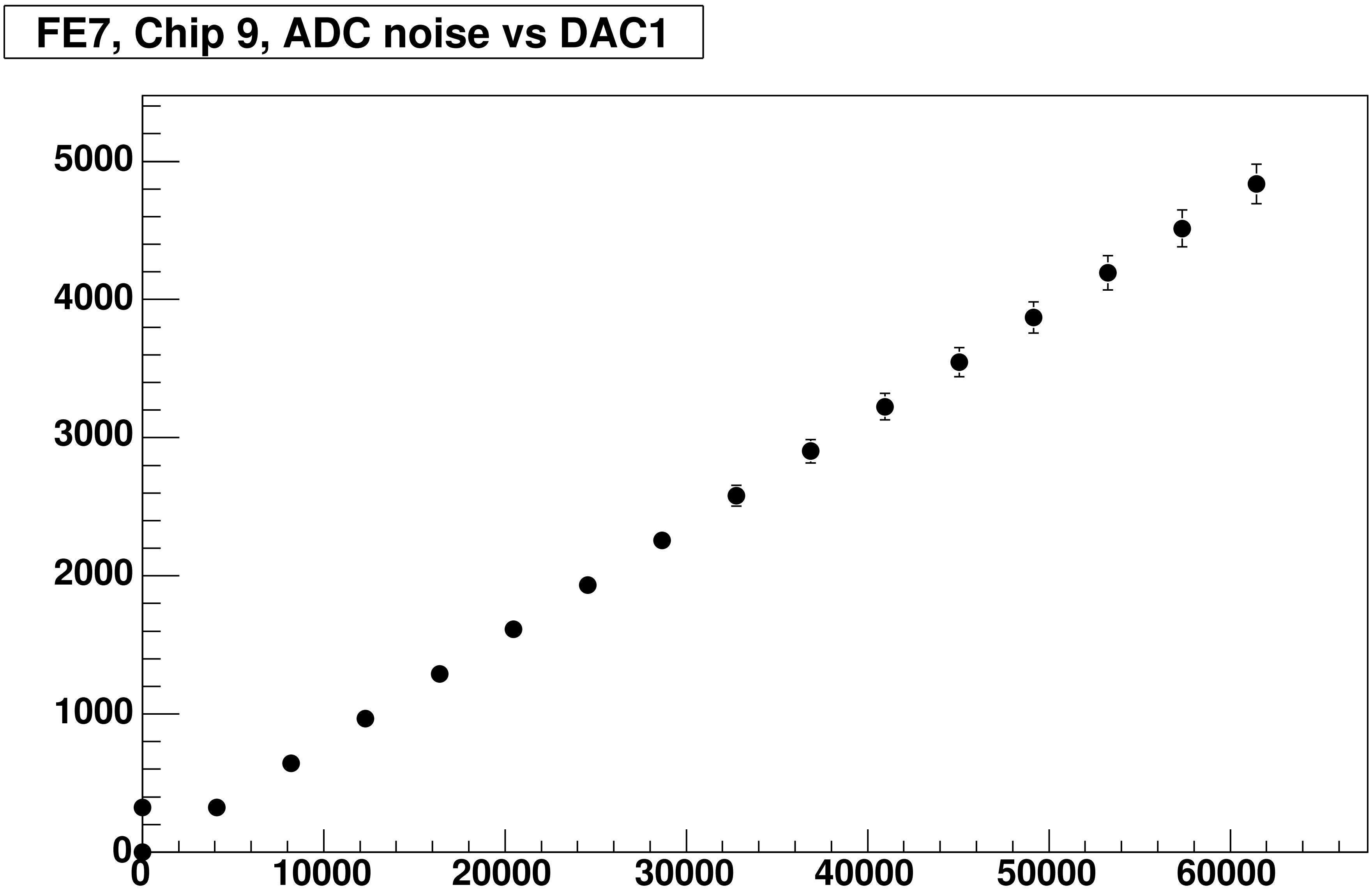


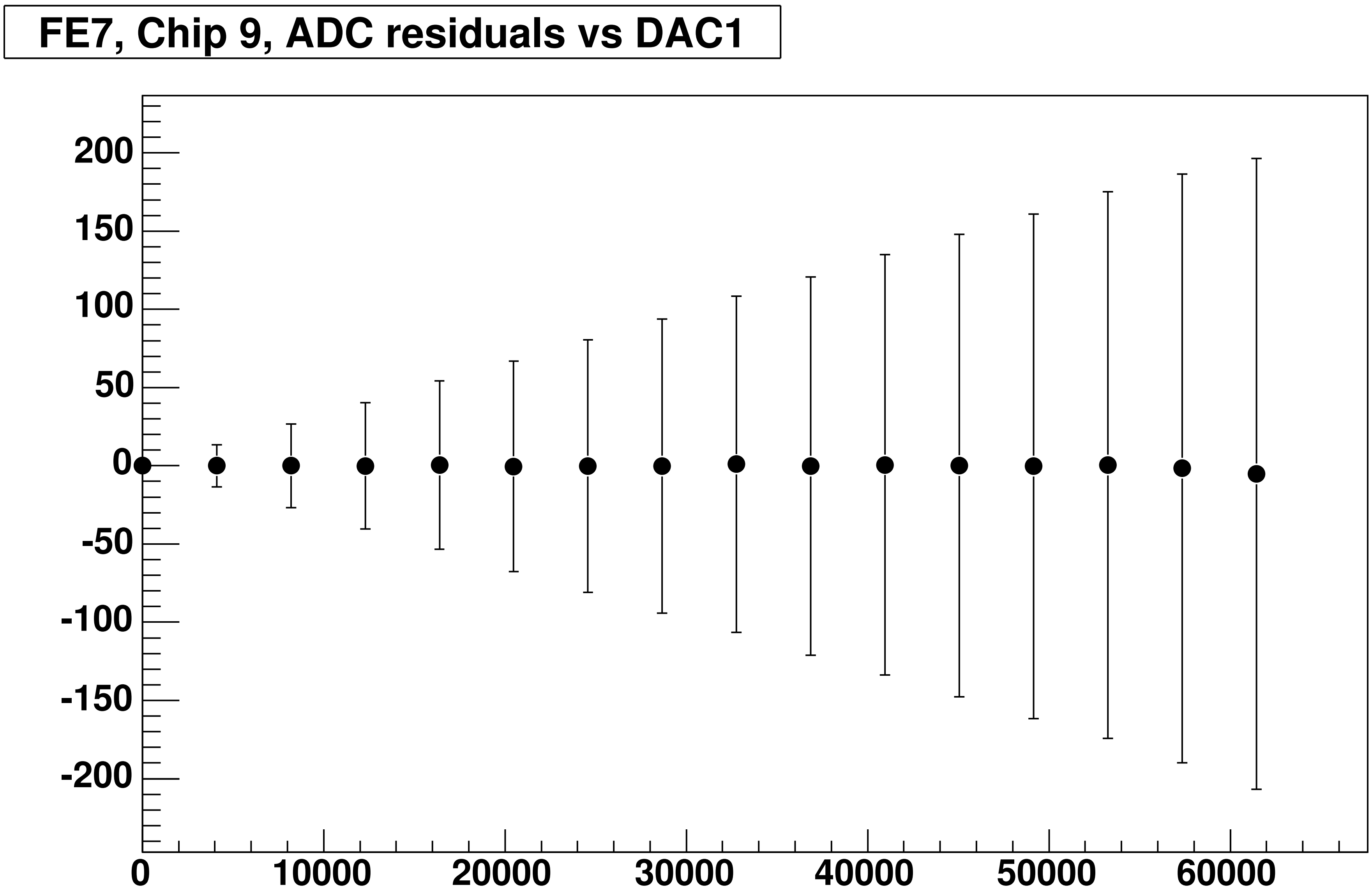
FE7, Chip 9, ADC mean vs DAC0
χ^2 / ndf 2.767e-05 / 11
p0 13.62 ± 42.05
p1 0.01413 ± 0.001895
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

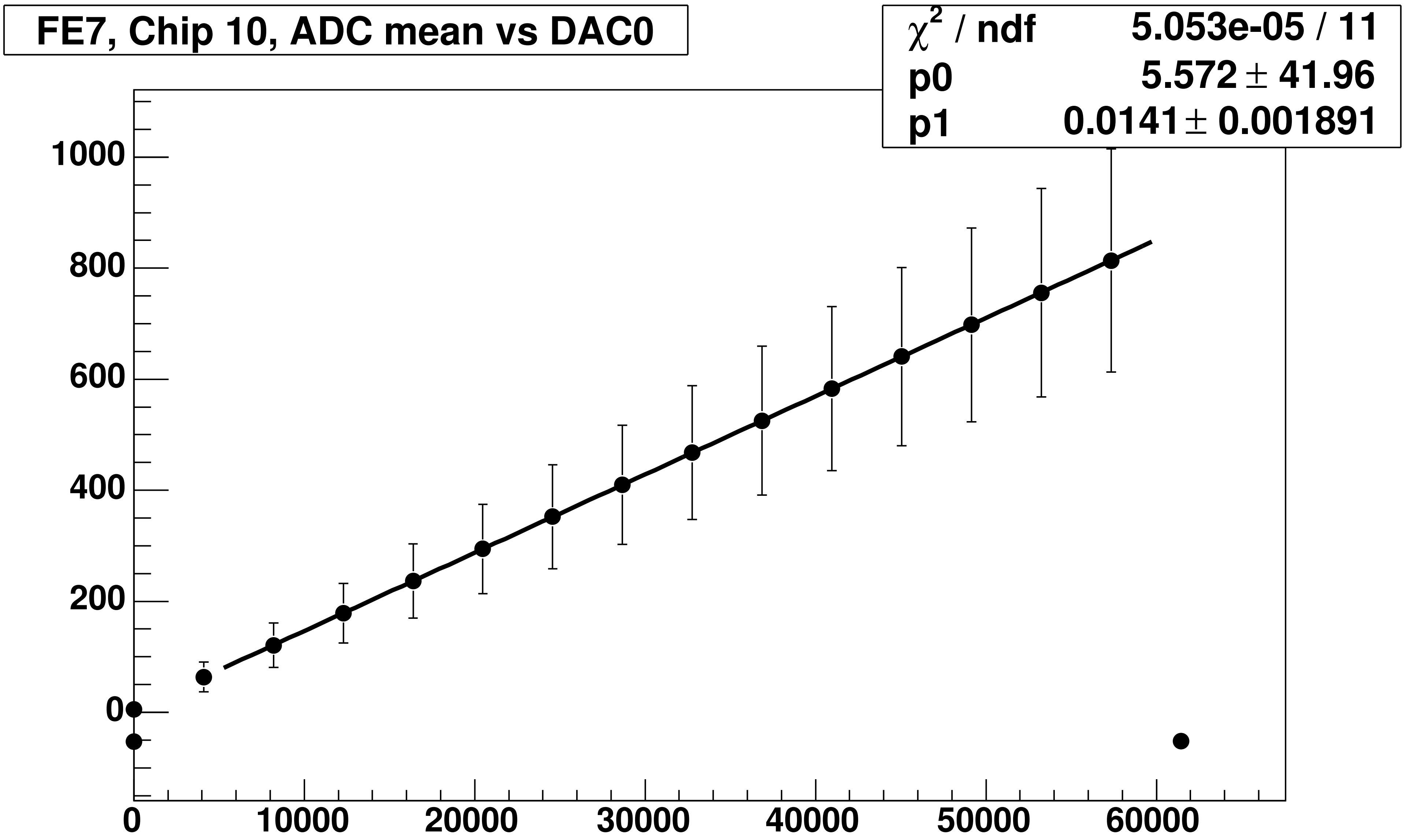

FE7, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

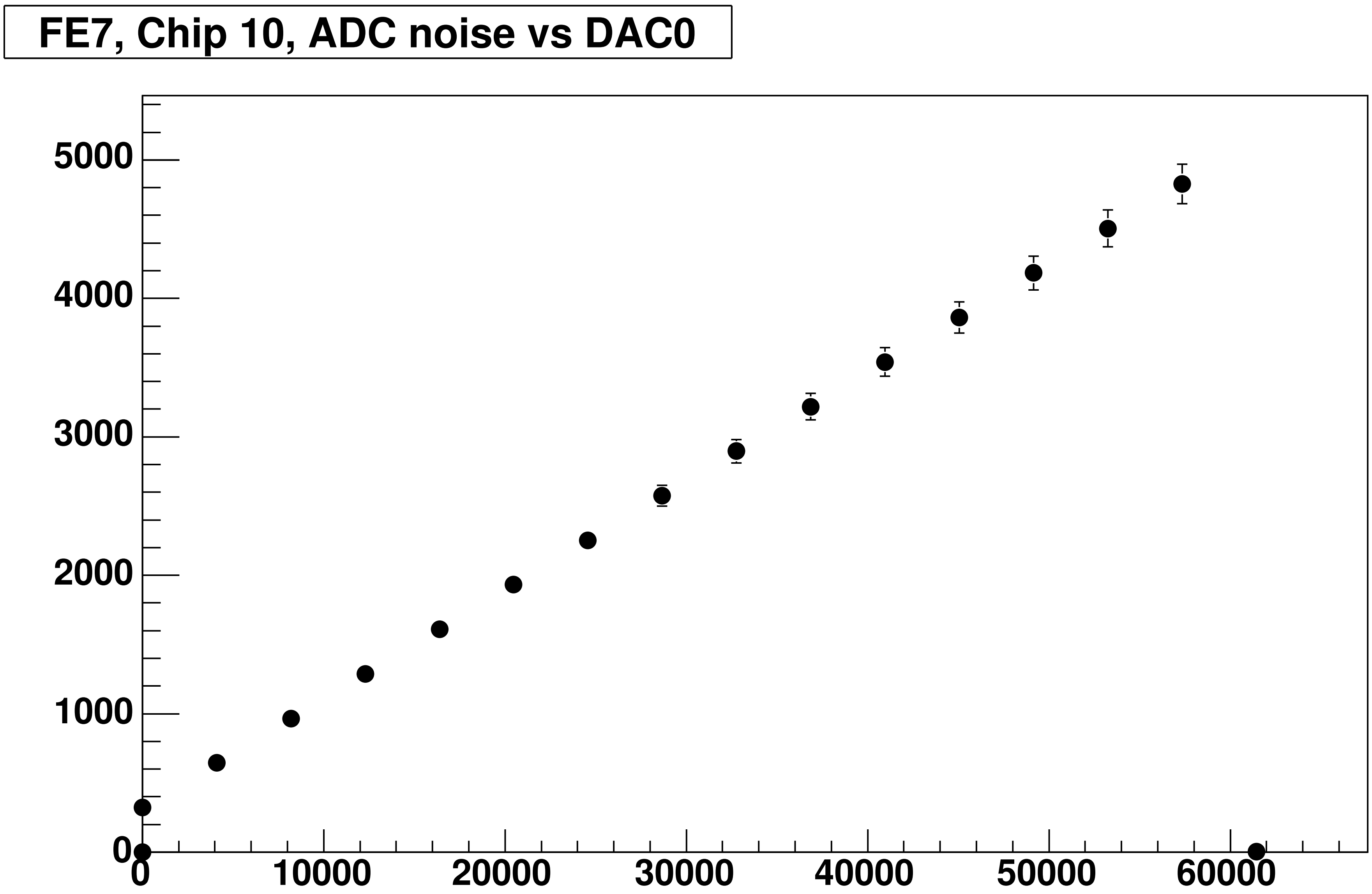

FE7, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0003162 / 11
p0 -45.84 ± 31.15
p1 0.438 ± 0.001601
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

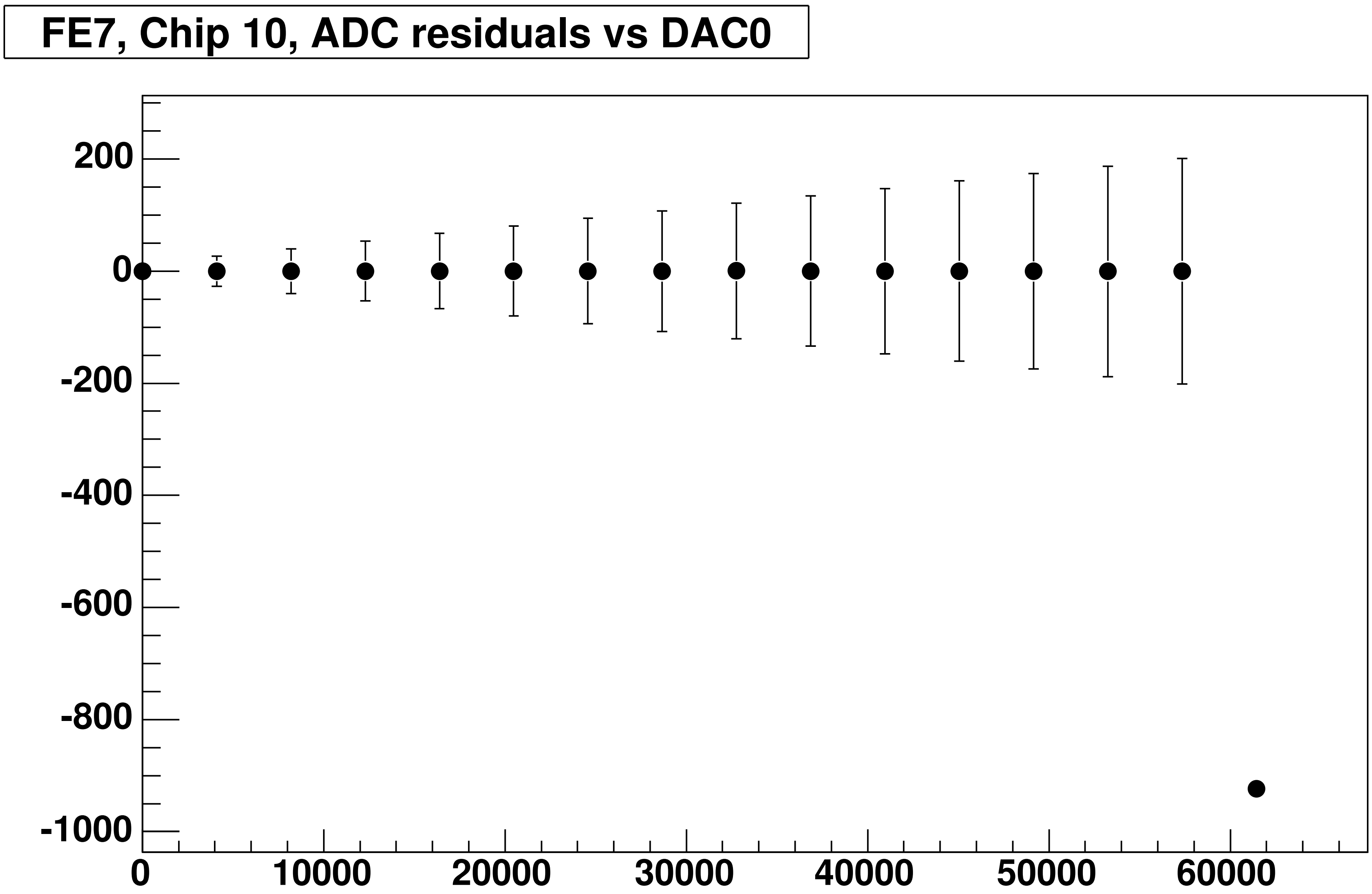

FE7, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

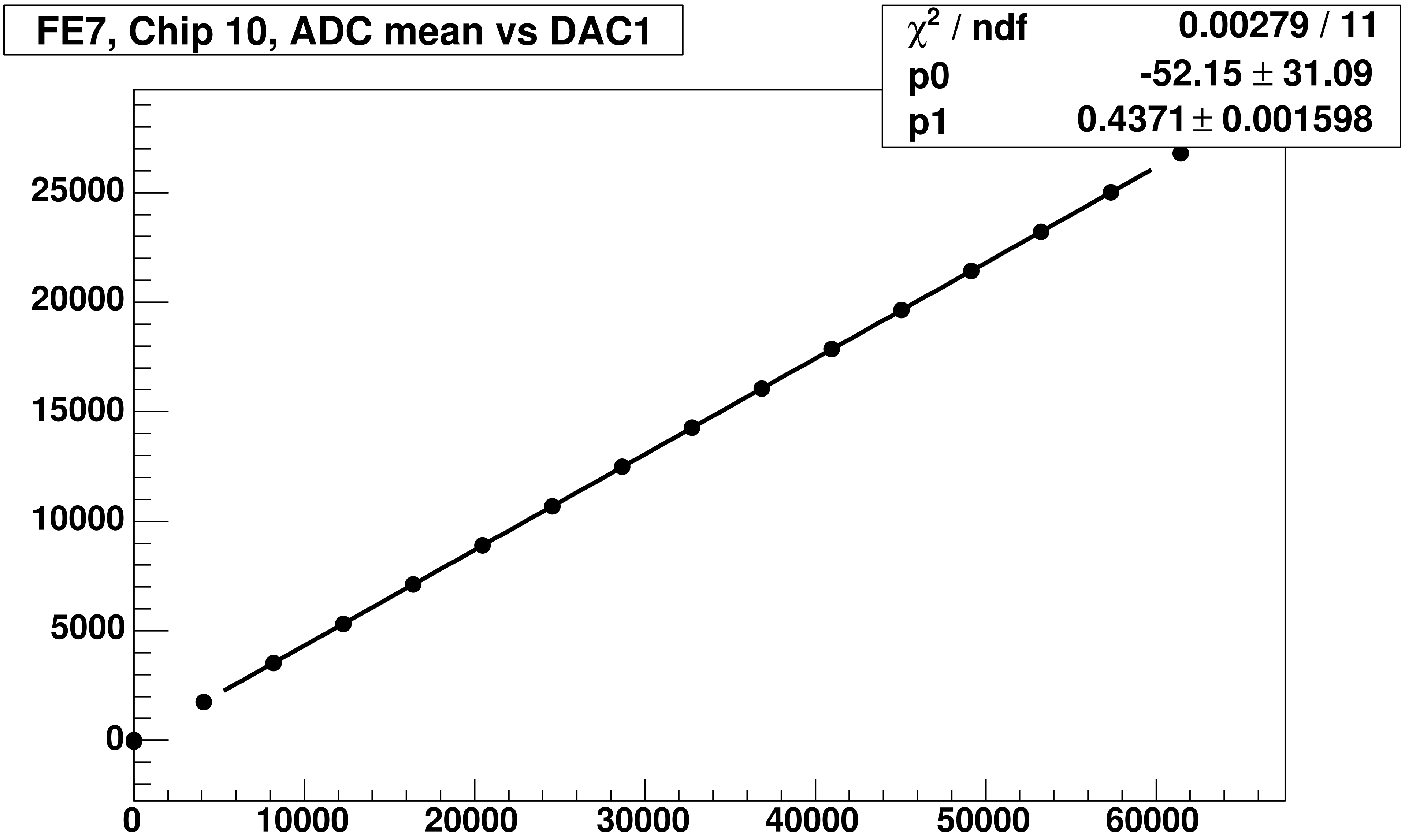

FE7, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

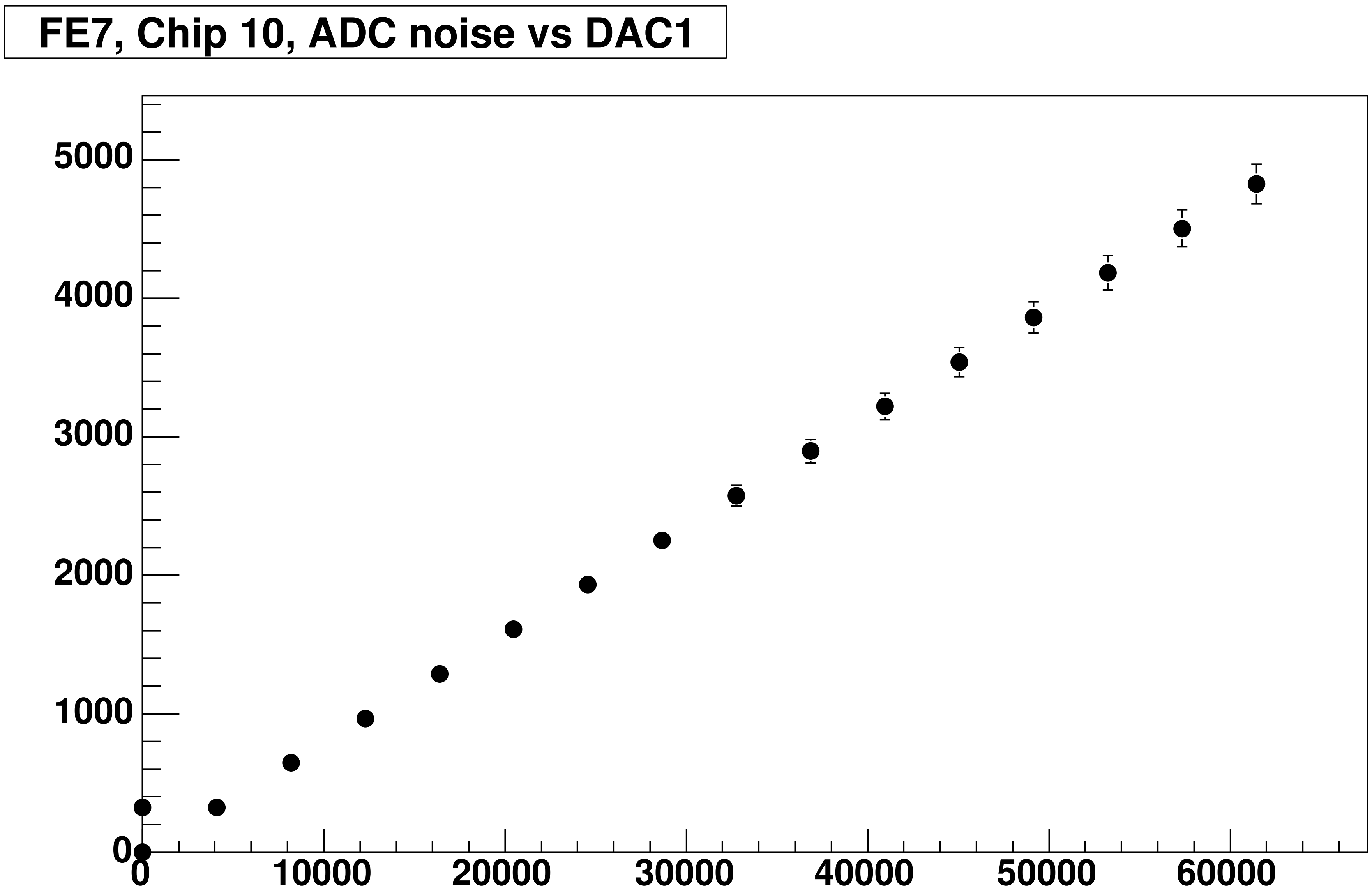

FE7, Chip 10, ADC mean vs DAC0
χ^2 / ndf 5.053e-05 / 11
p0 5.572 ± 41.96
p1 0.0141 ± 0.001891
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



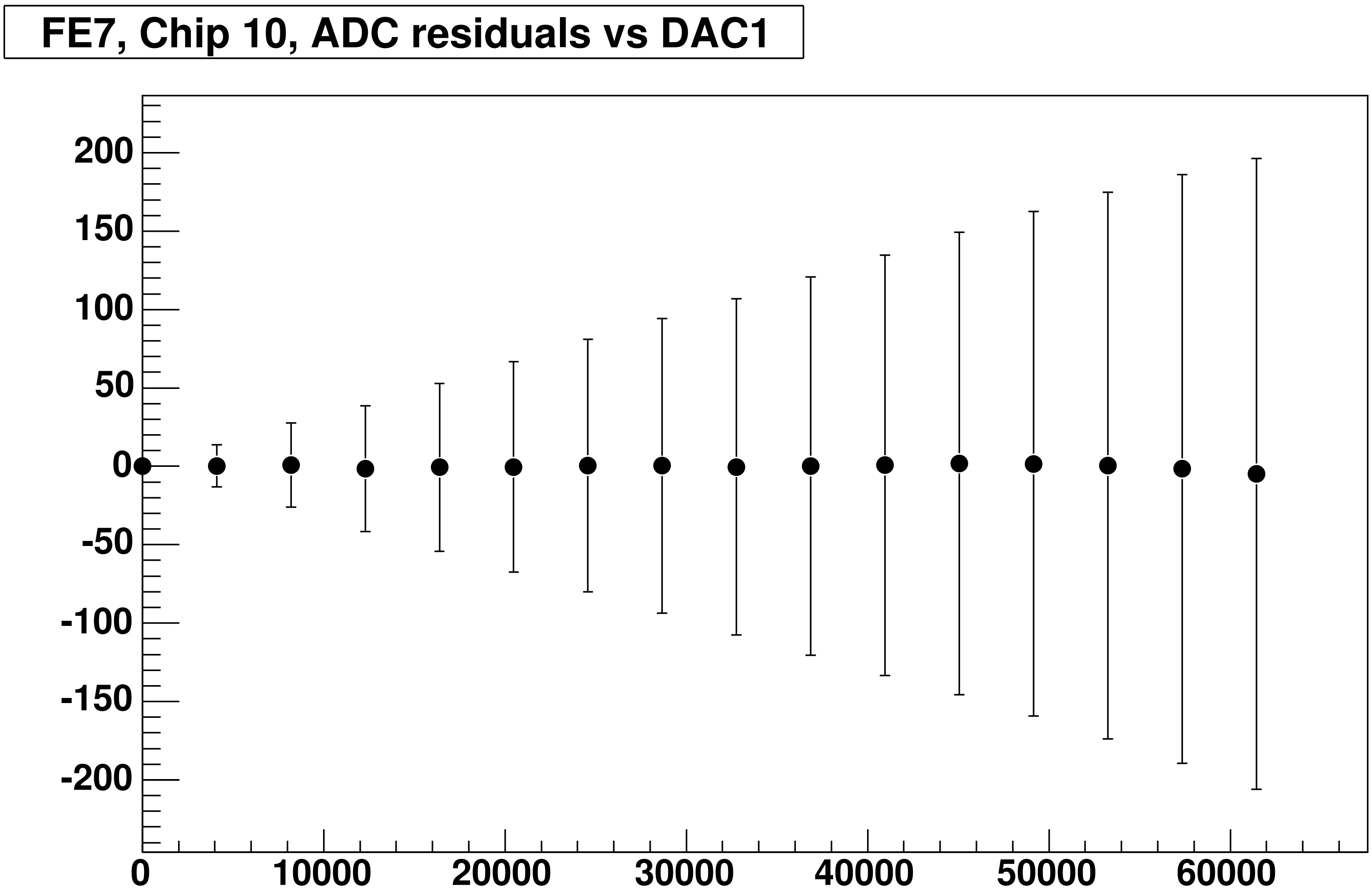
FE7, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

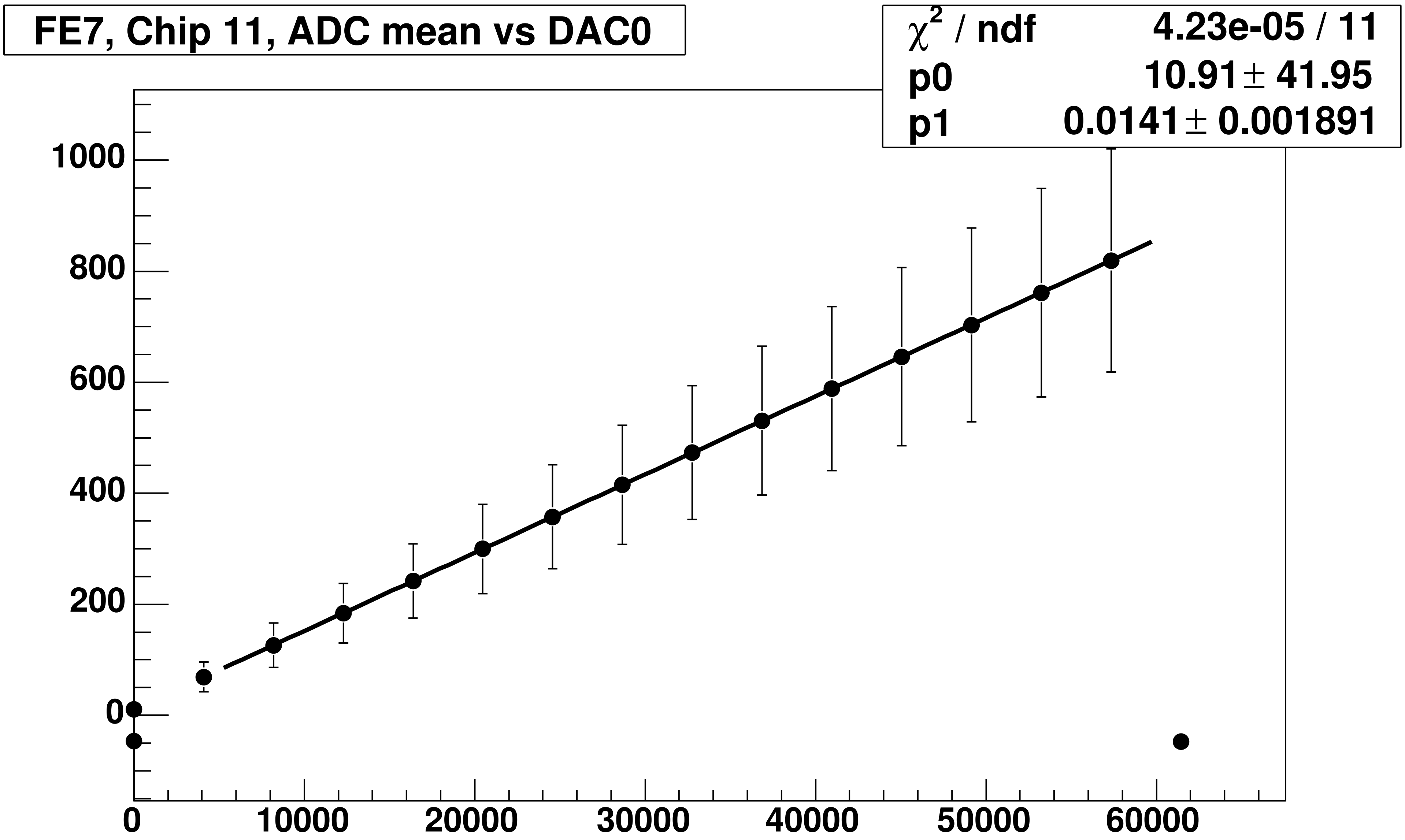

FE7, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

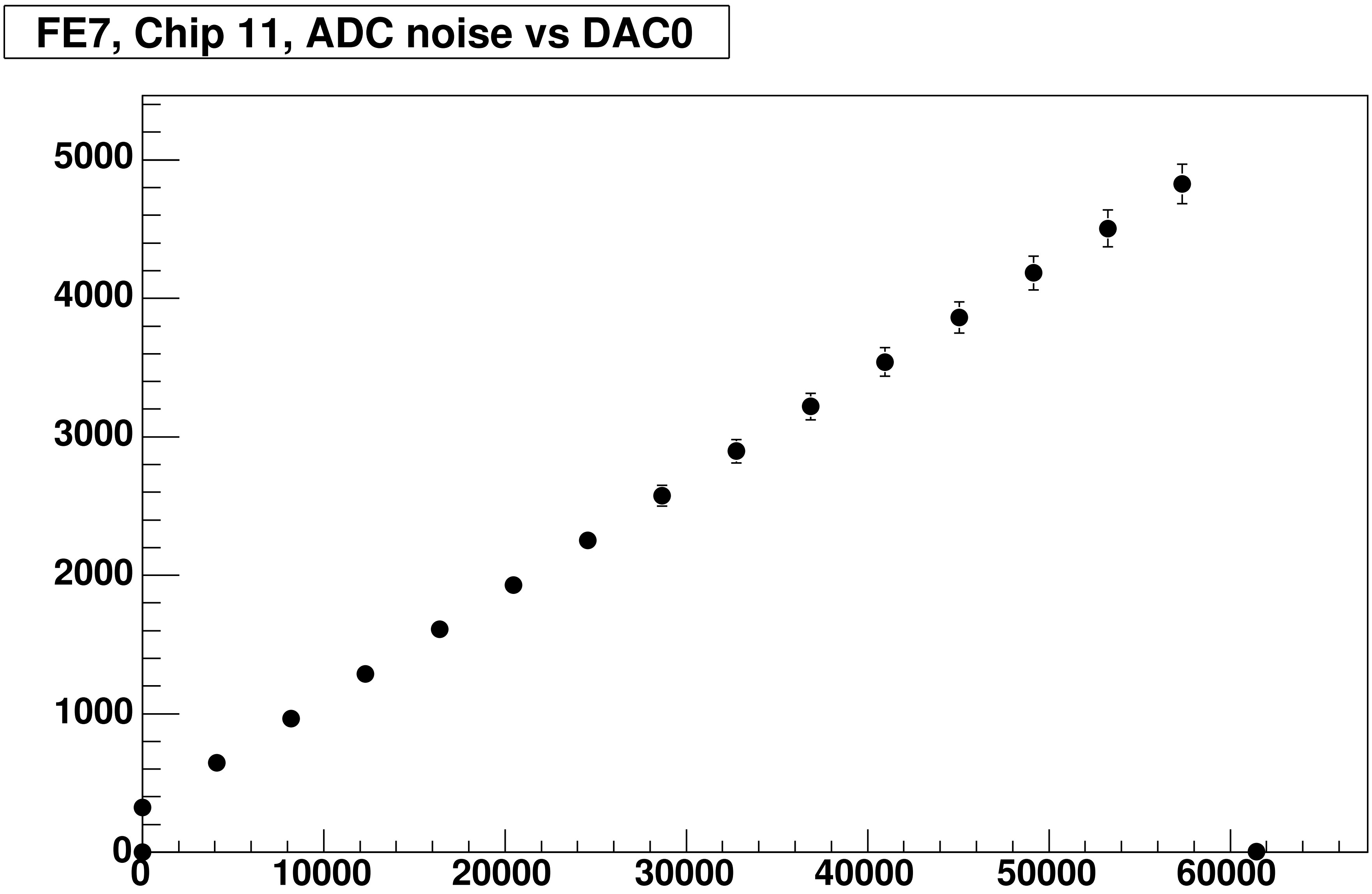

FE7, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.00279 / 11
p0 -52.15 ± 31.09
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

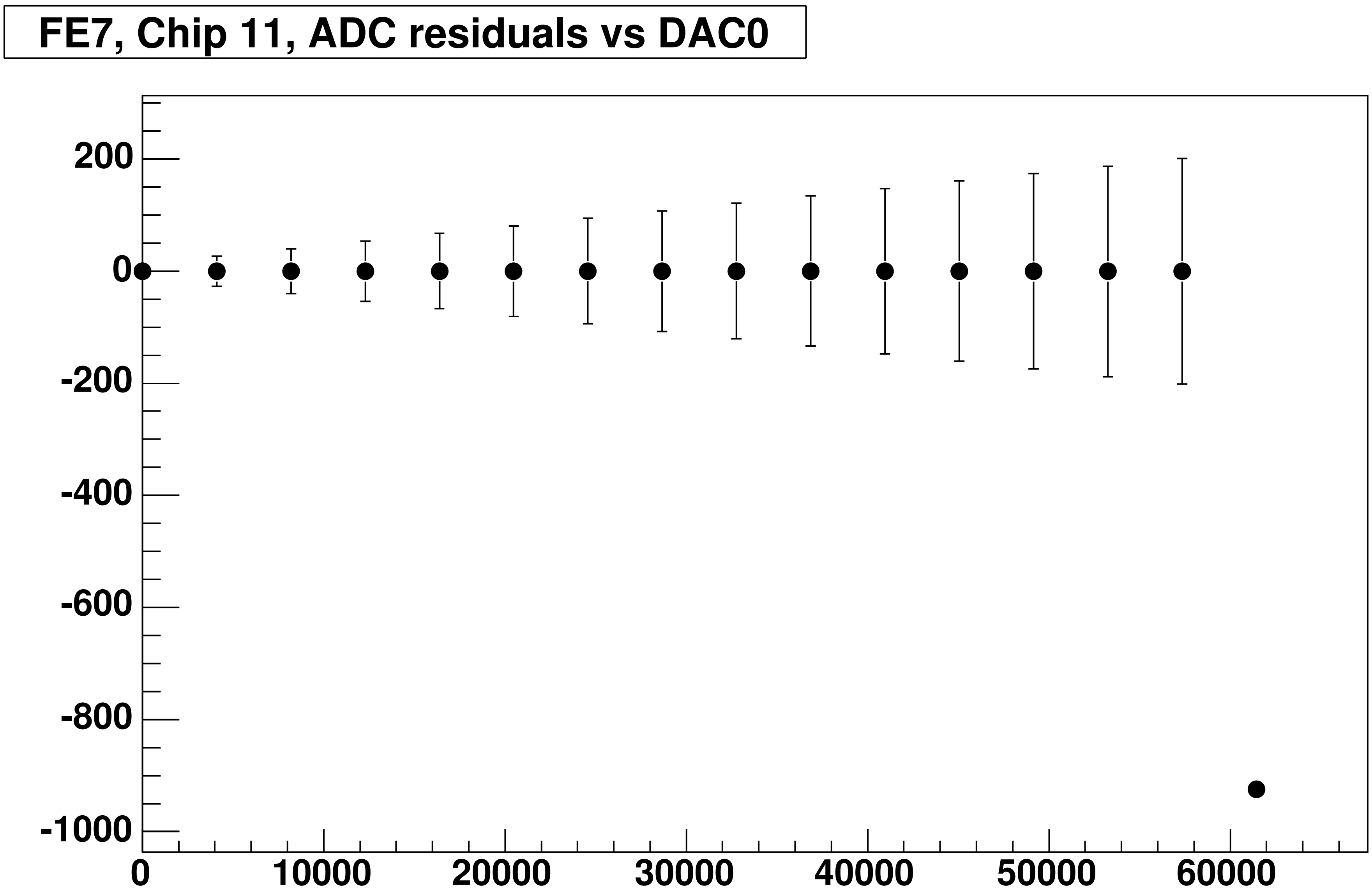


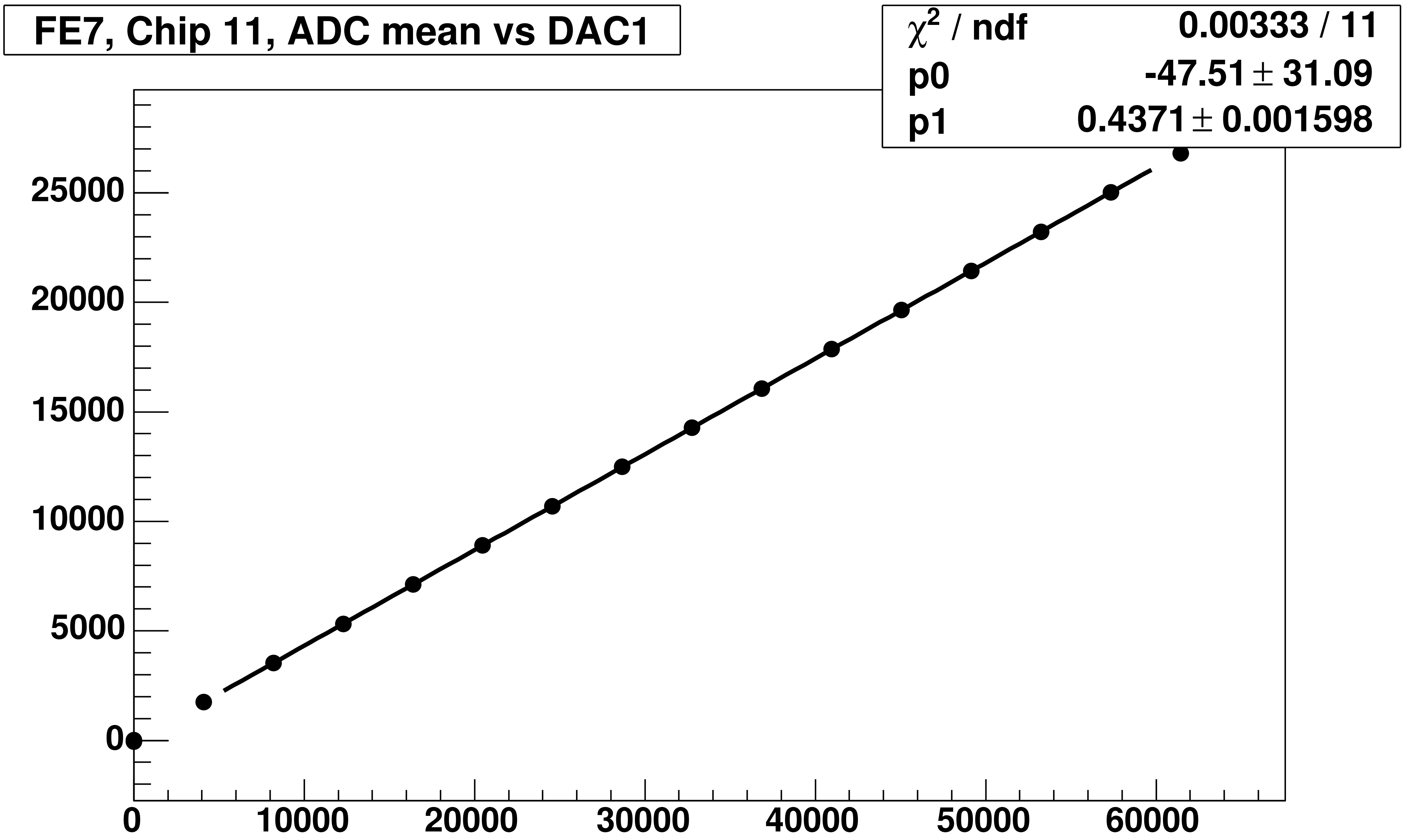
FE7, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

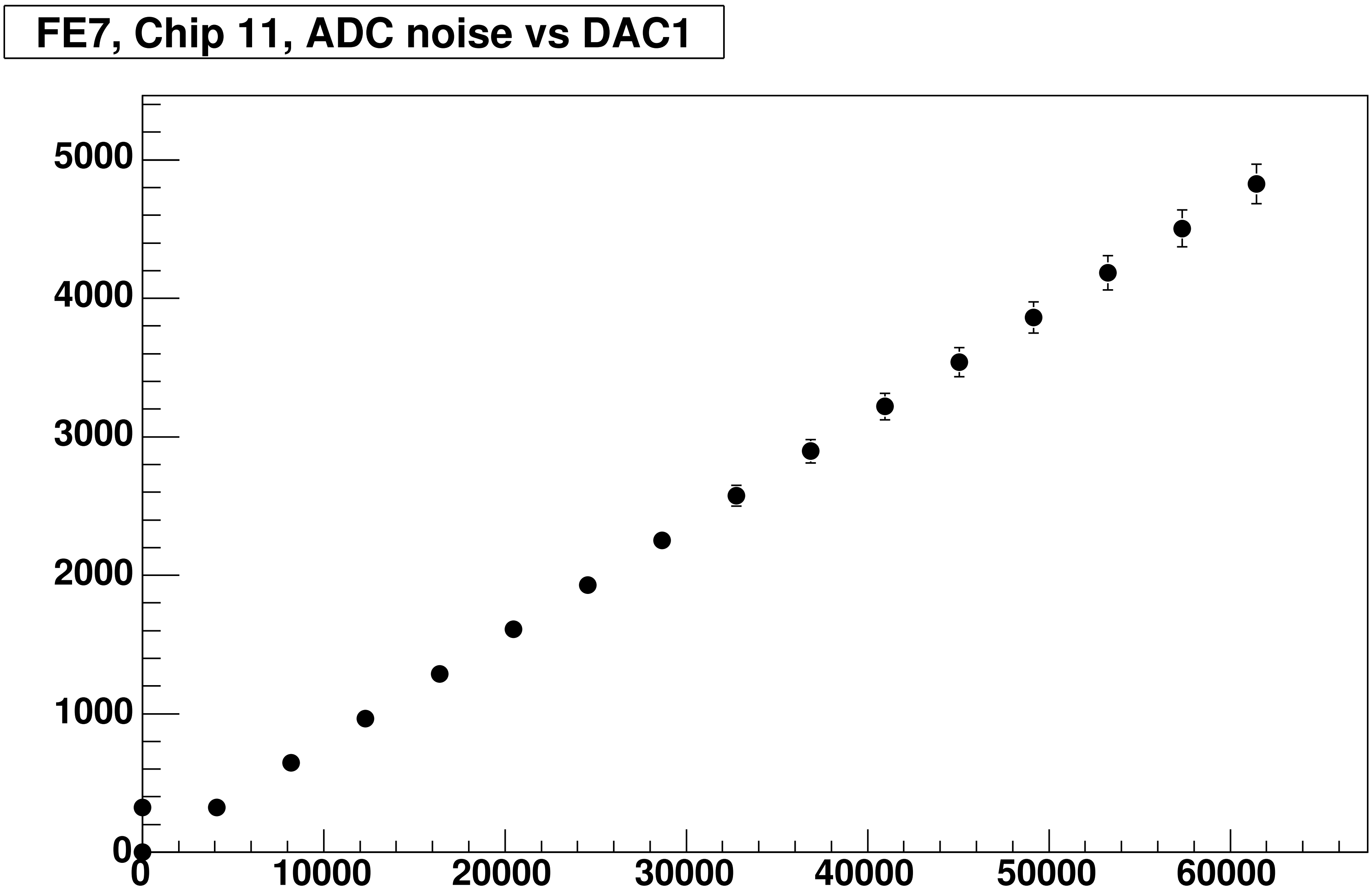

FE7, Chip 11, ADC mean vs DAC0
χ^2 / ndf 4.23e-05 / 11
p0 10.91 ± 41.95
p1 0.0141 ± 0.001891
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

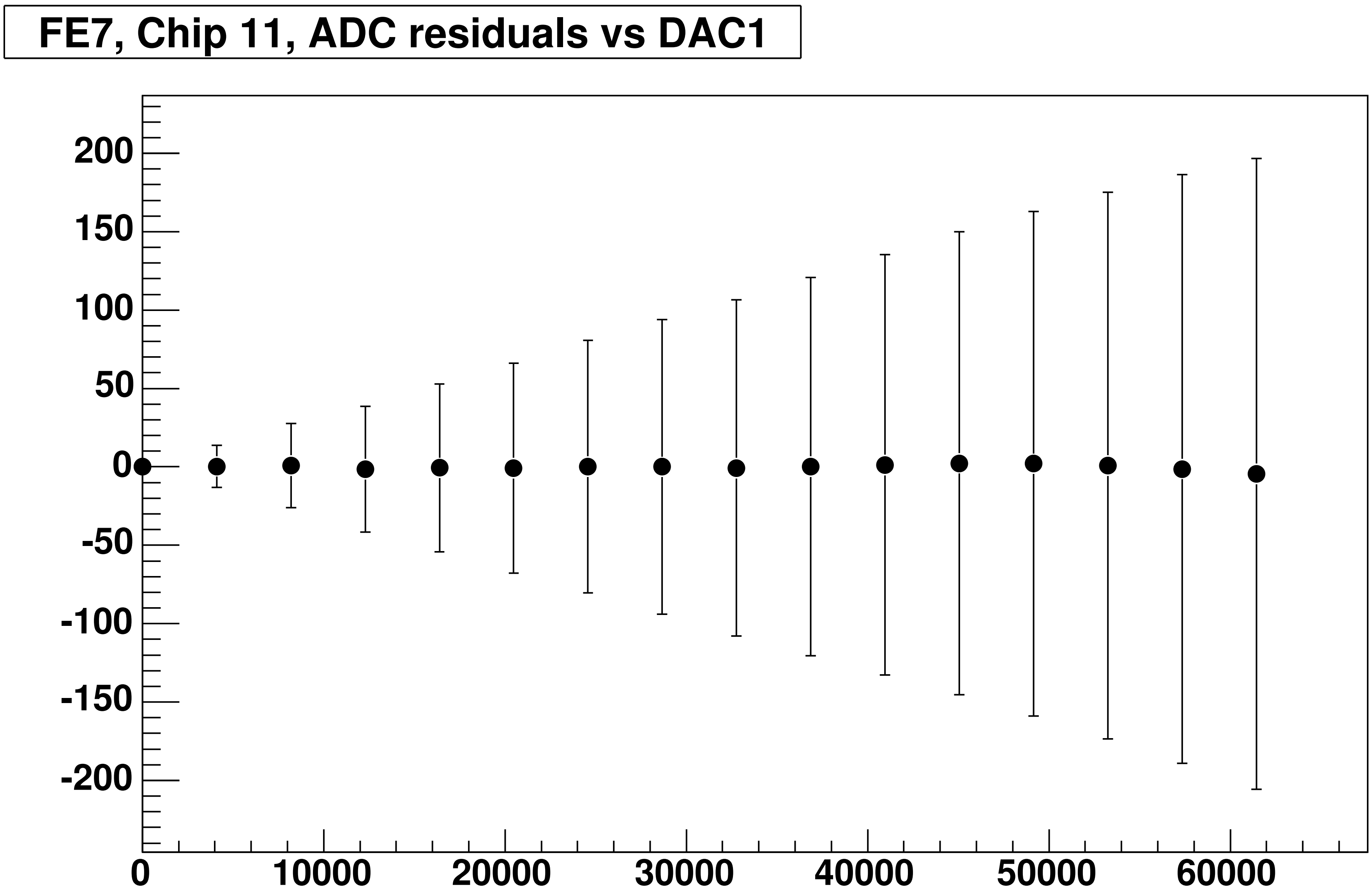

FE7, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

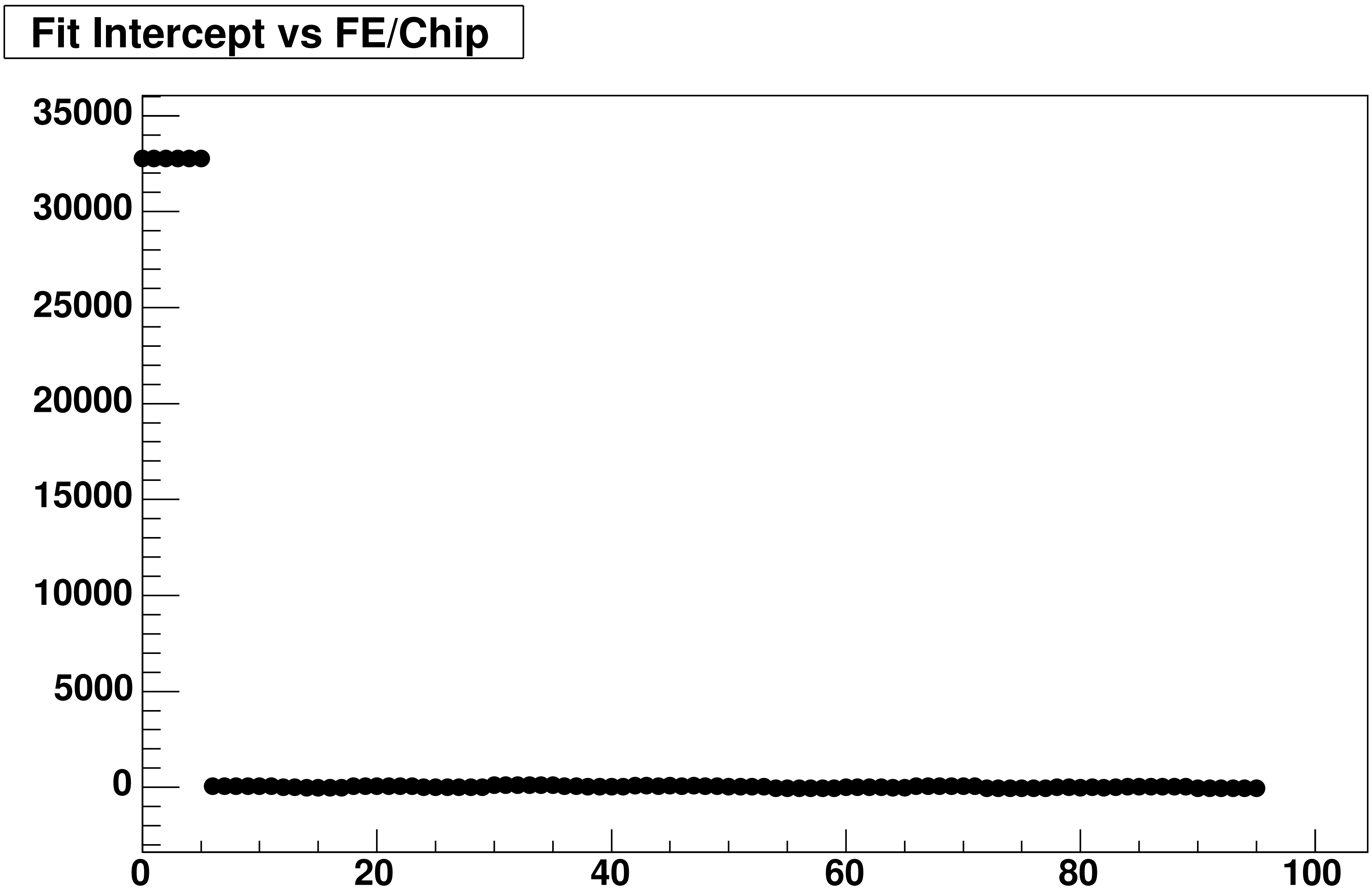

FE7, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

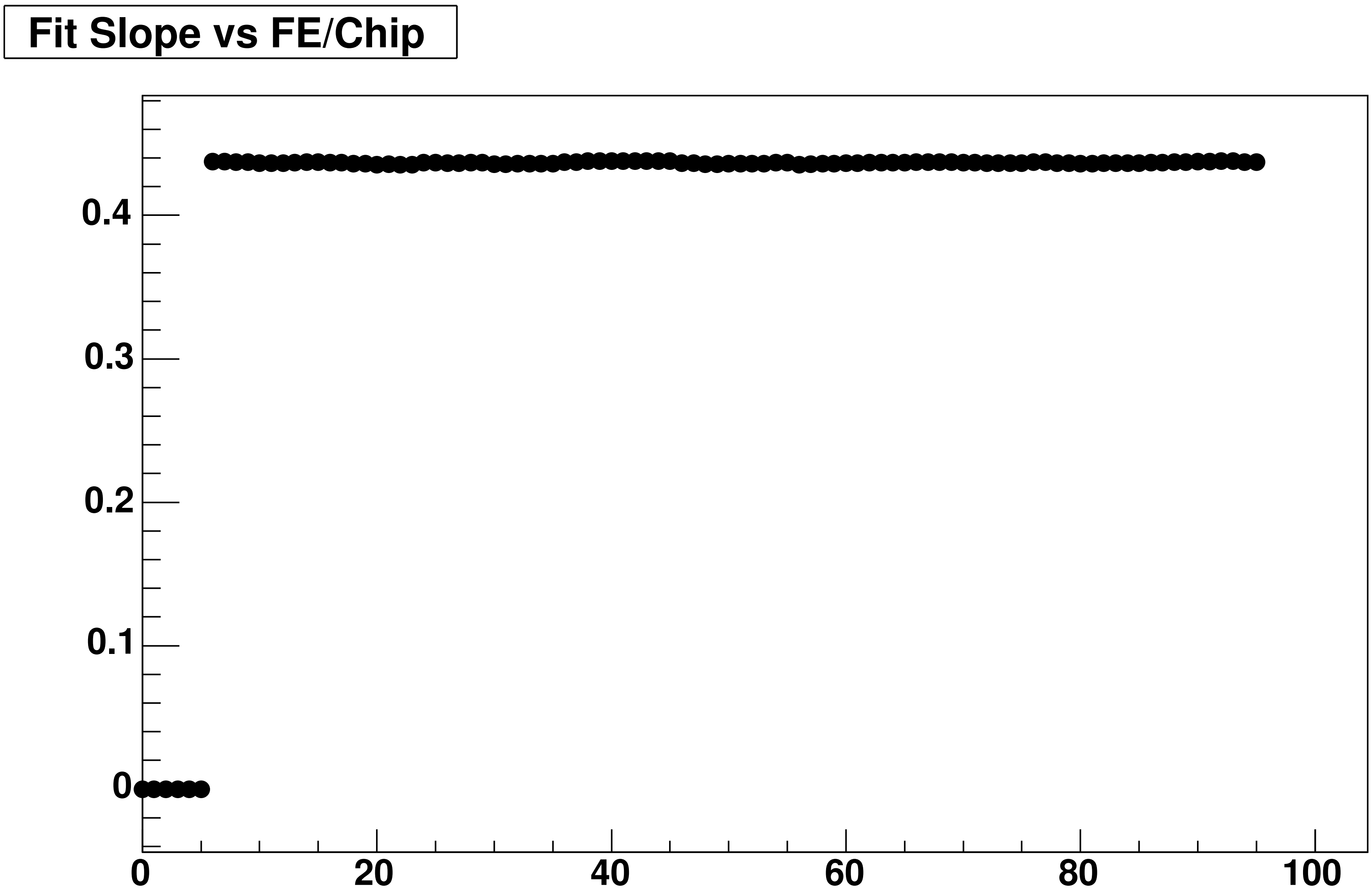


FE7, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.00333 / 11
p0 -47.51 ± 31.09
p1 0.4371 ± 0.001598
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE7, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


Fit Intercept vs FE/Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100


Fit Slope vs FE/Chip
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100