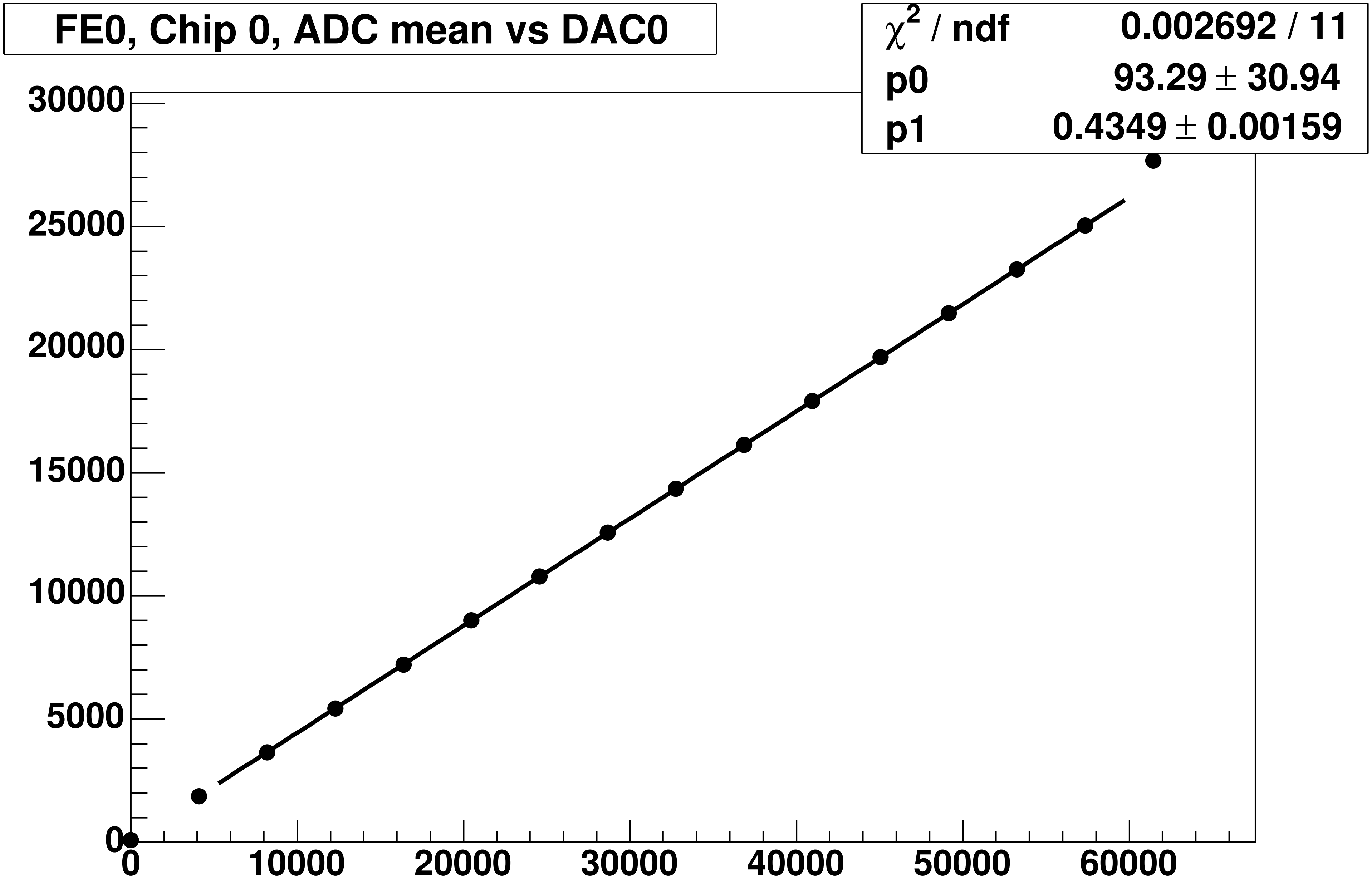
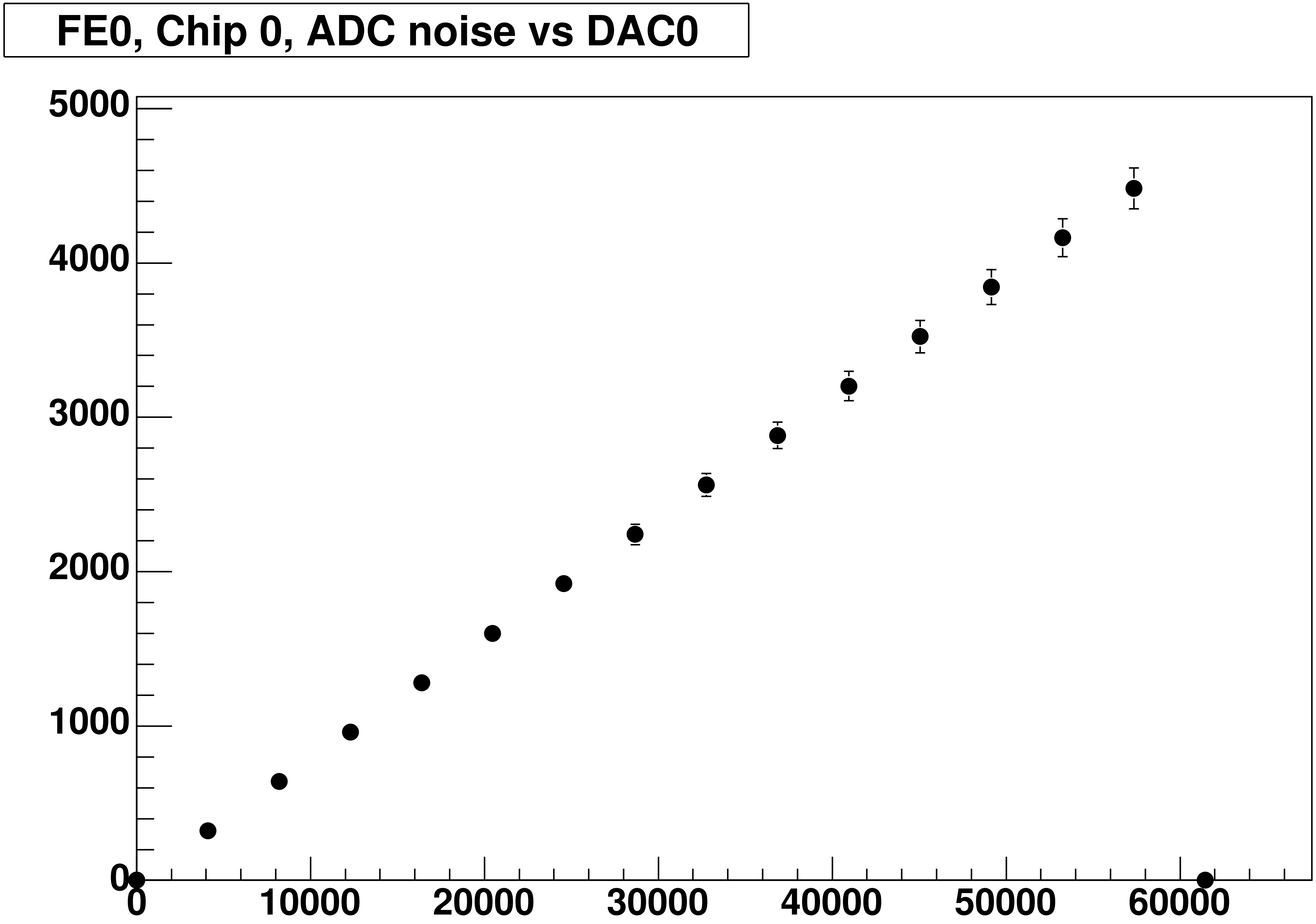
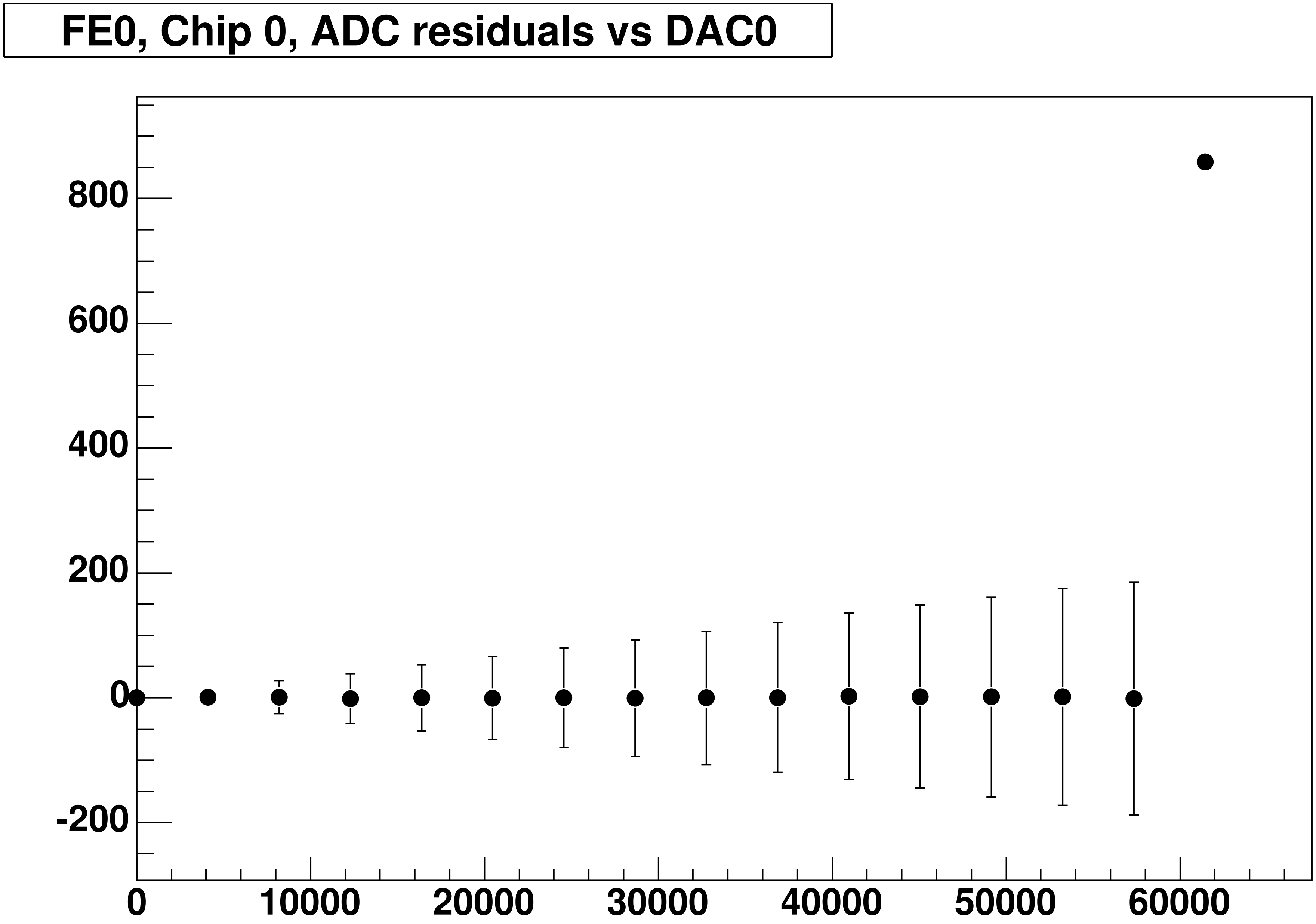
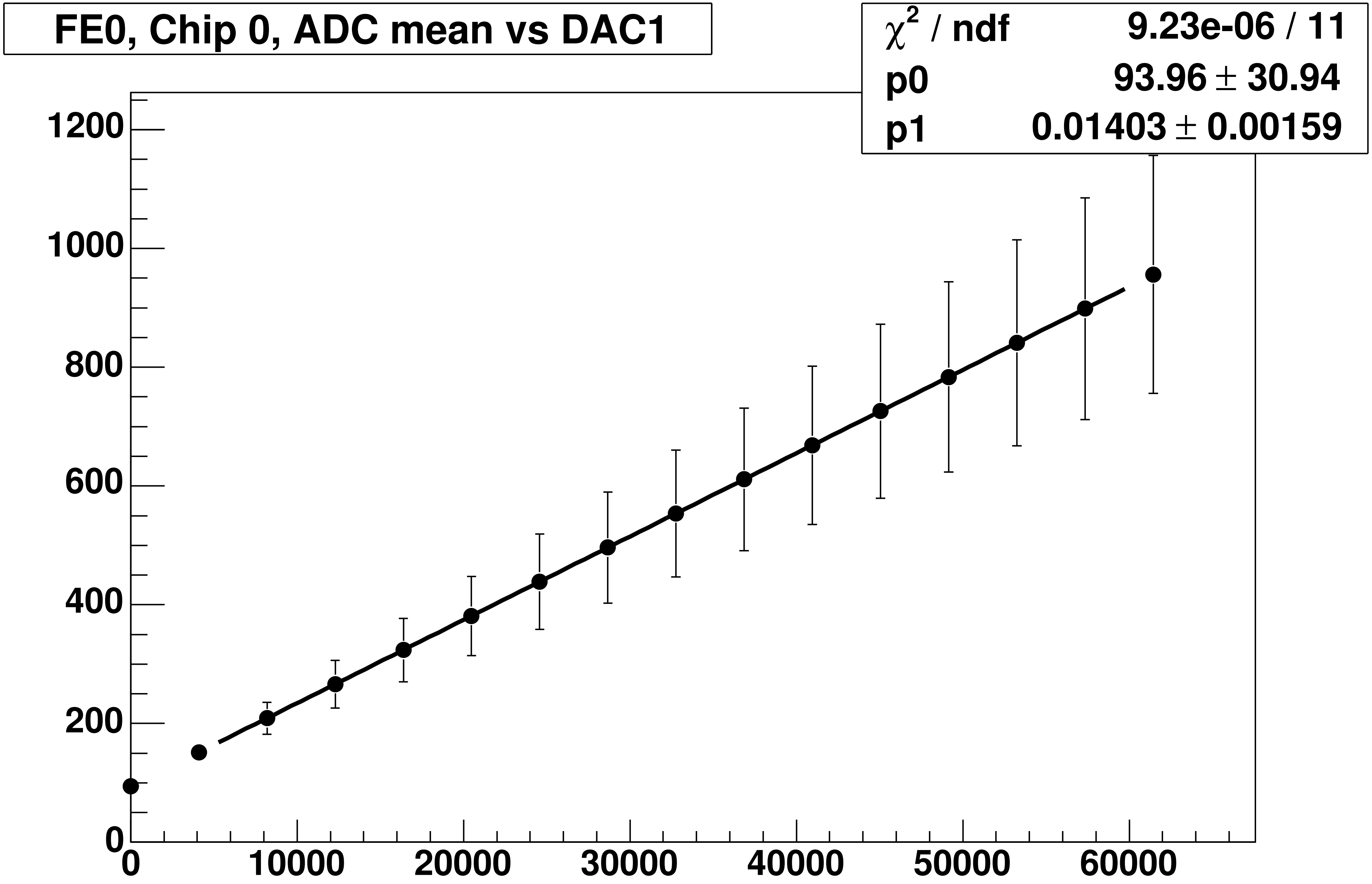

FE0, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.002692 / 11
p0 93.29 ± 30.94
p1 0.4349 ± 0.00159
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

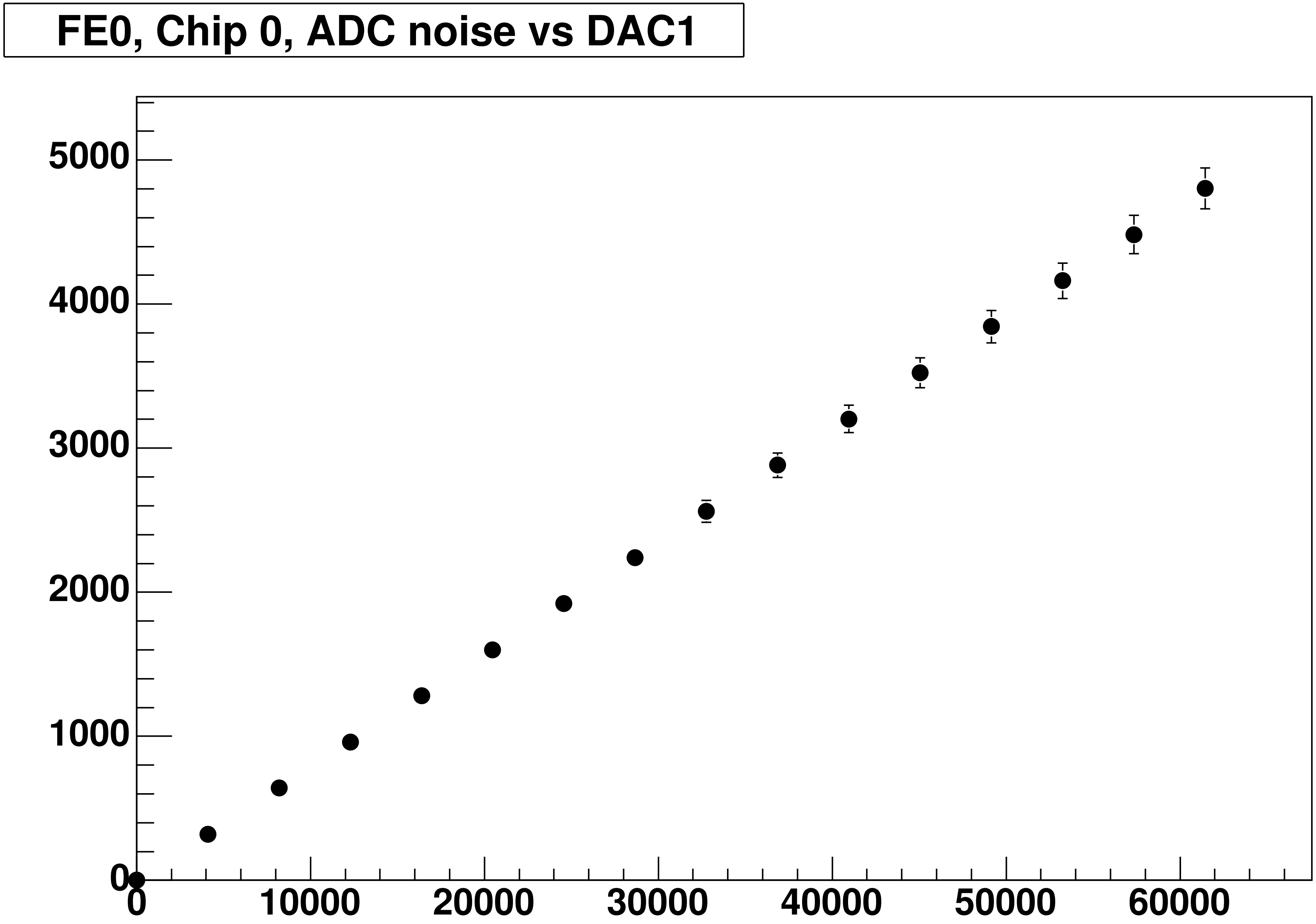

FE0, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

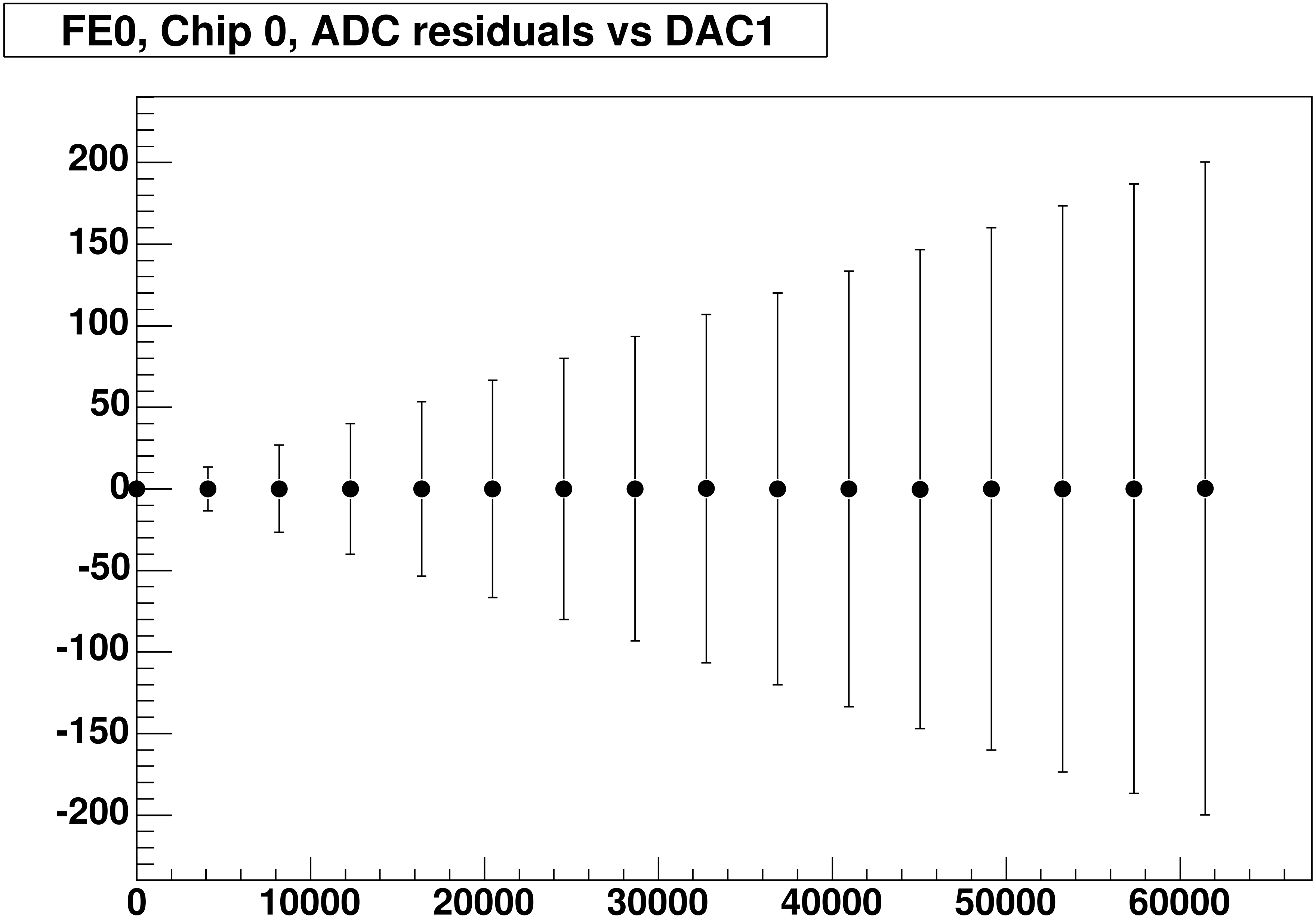


FE0, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

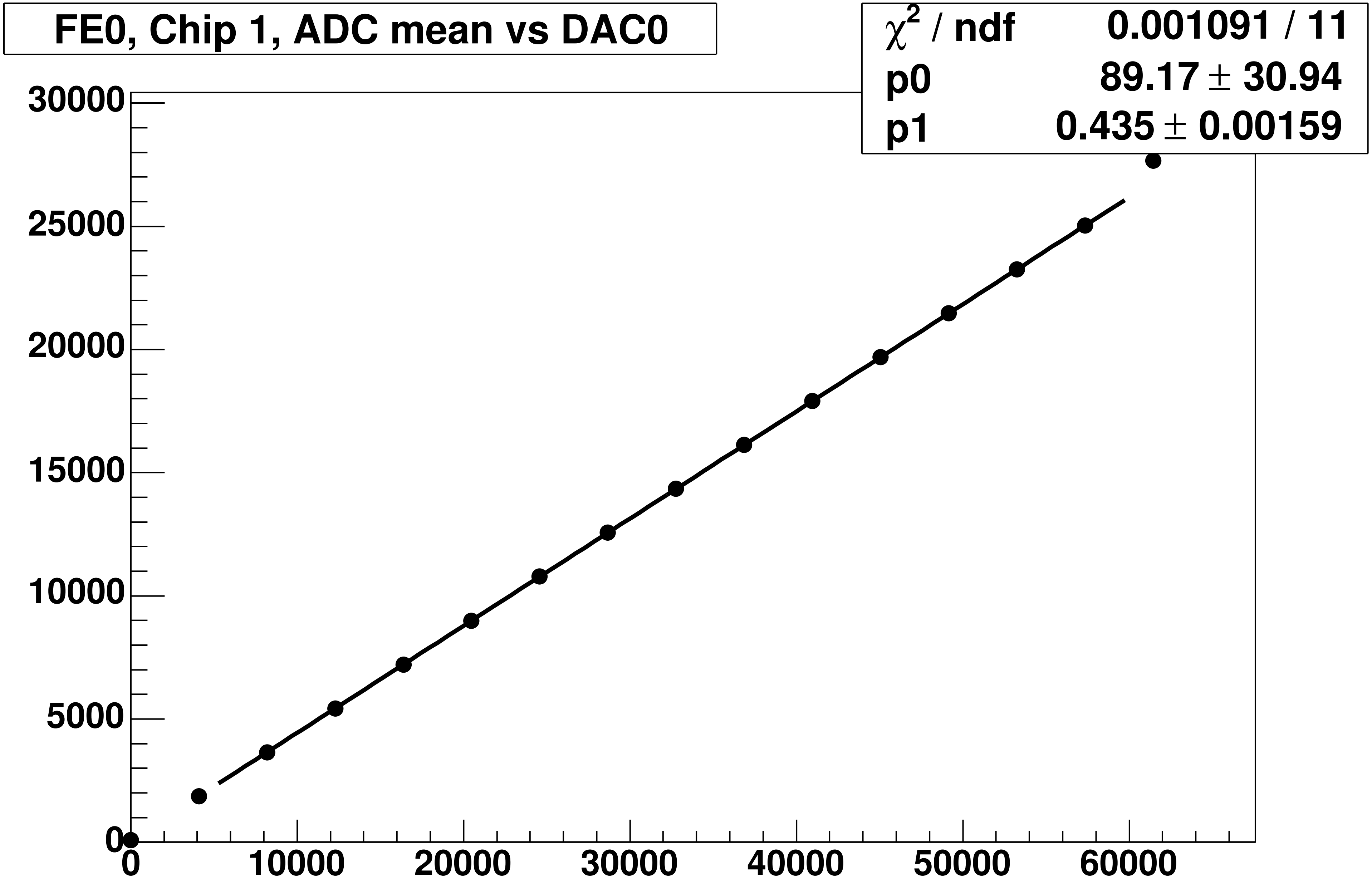


FE0, Chip 0, ADC mean vs DAC1
χ² / ndf 9.23e-06 / 11
p0 93.96 ± 30.94
p1 0.01403 ± 0.00159
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

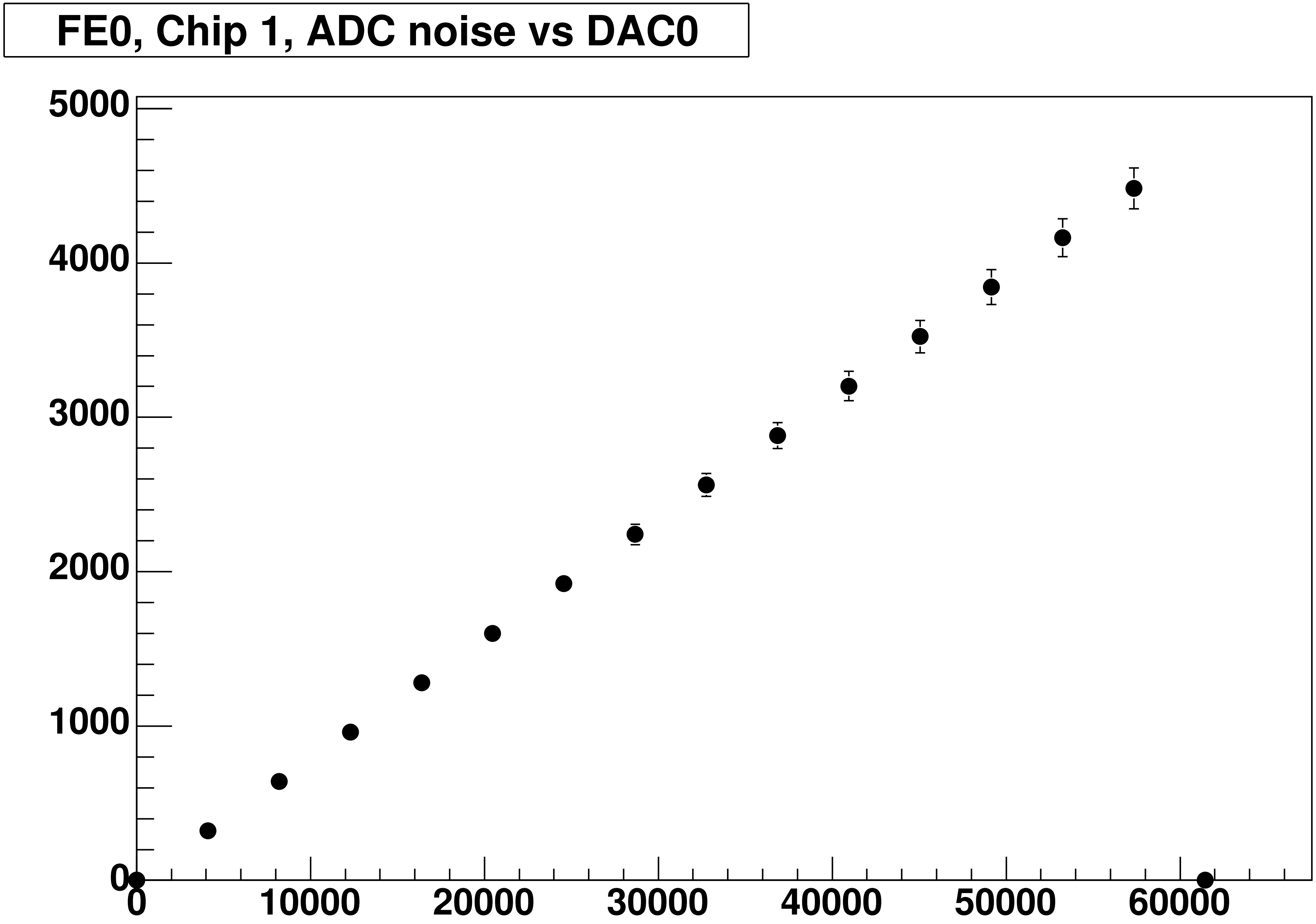

FE0, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

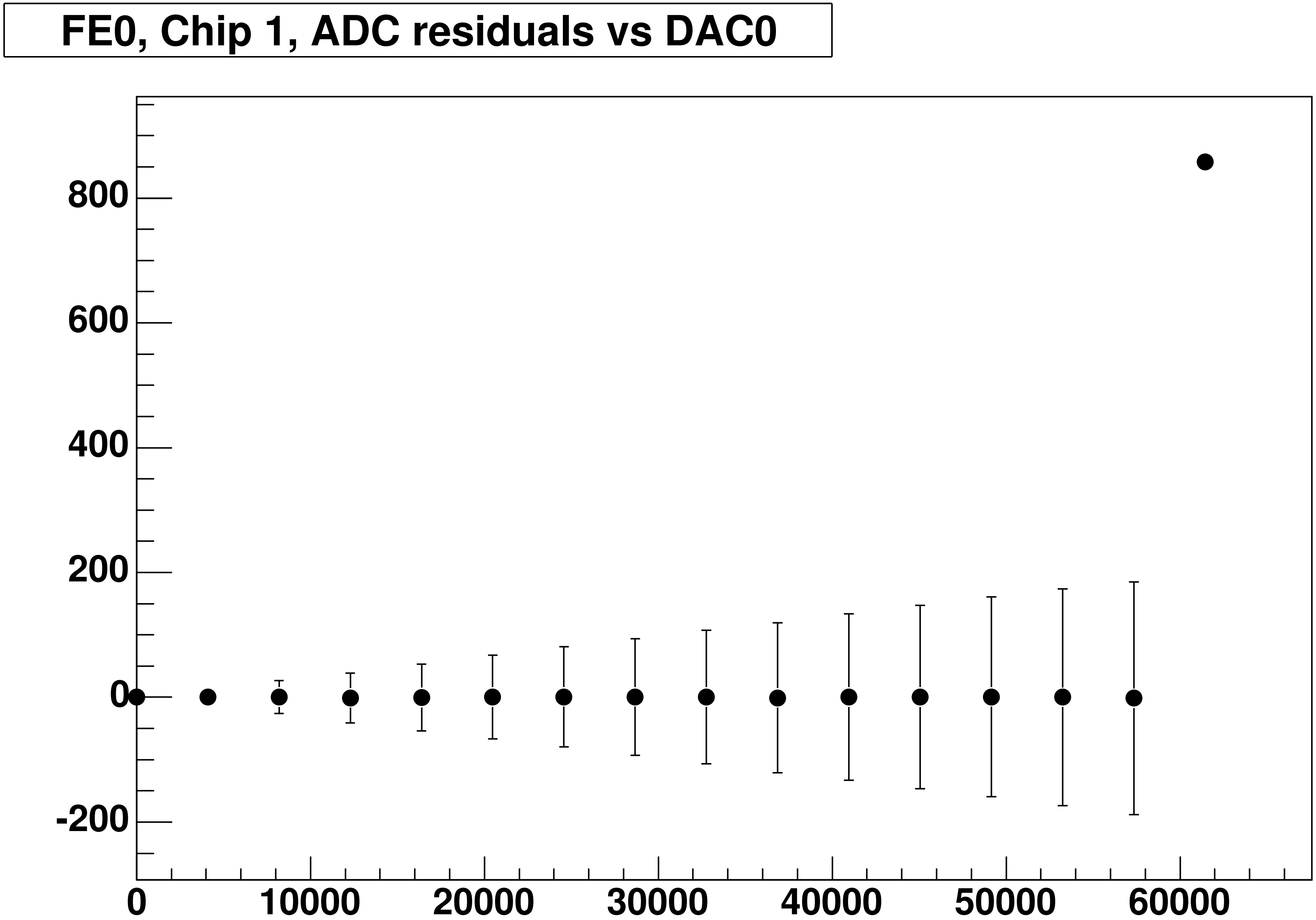


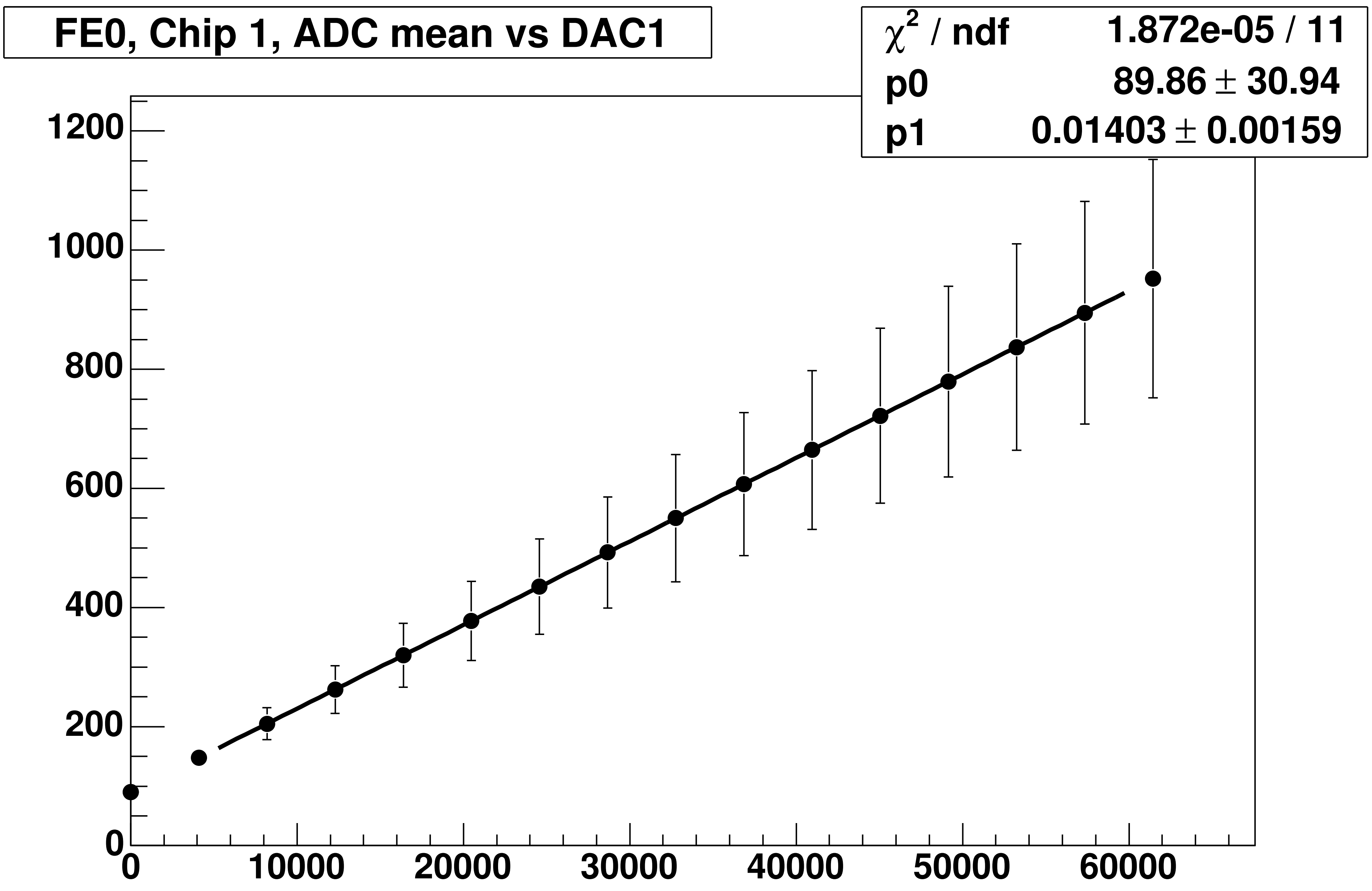
FE0, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

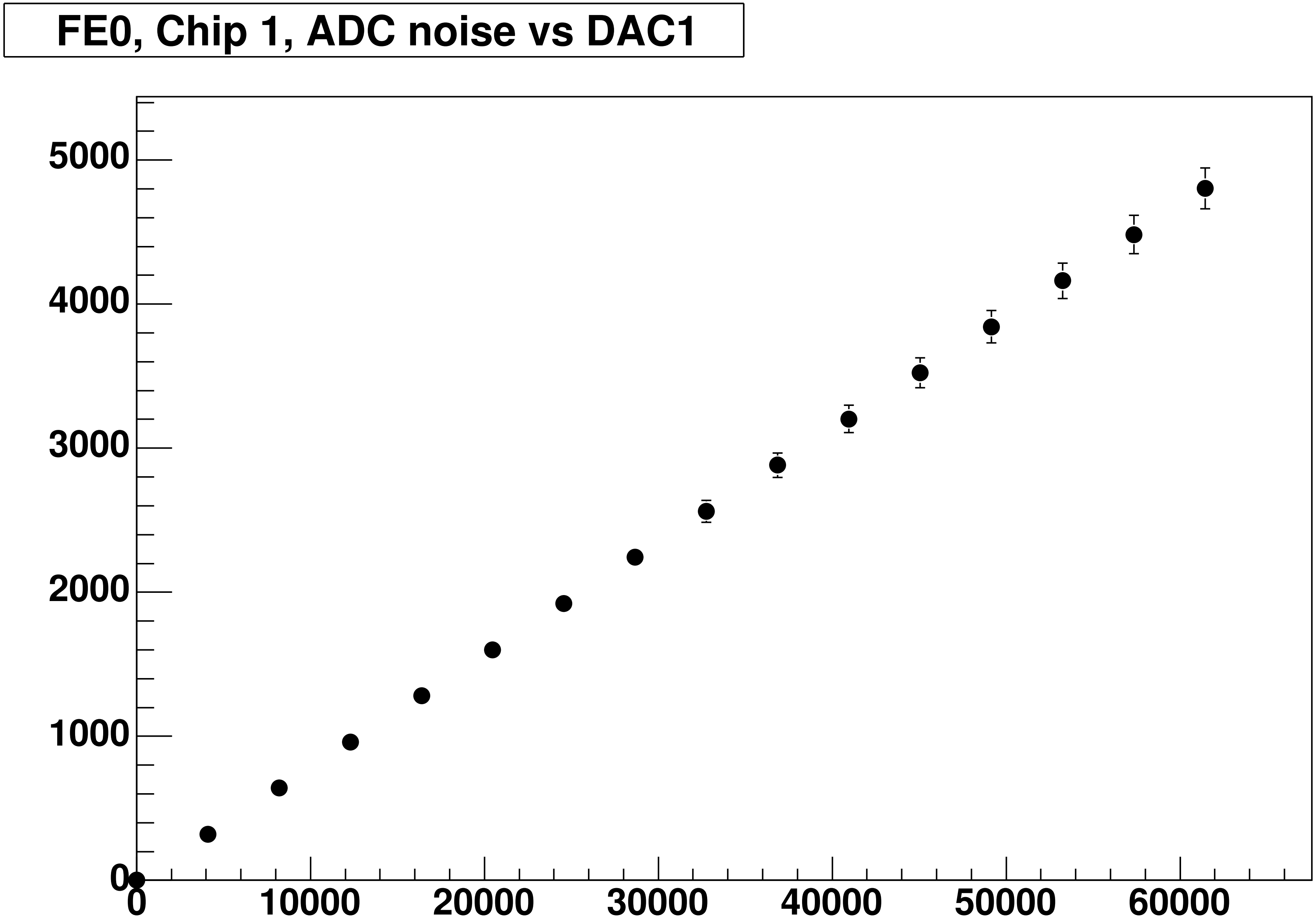


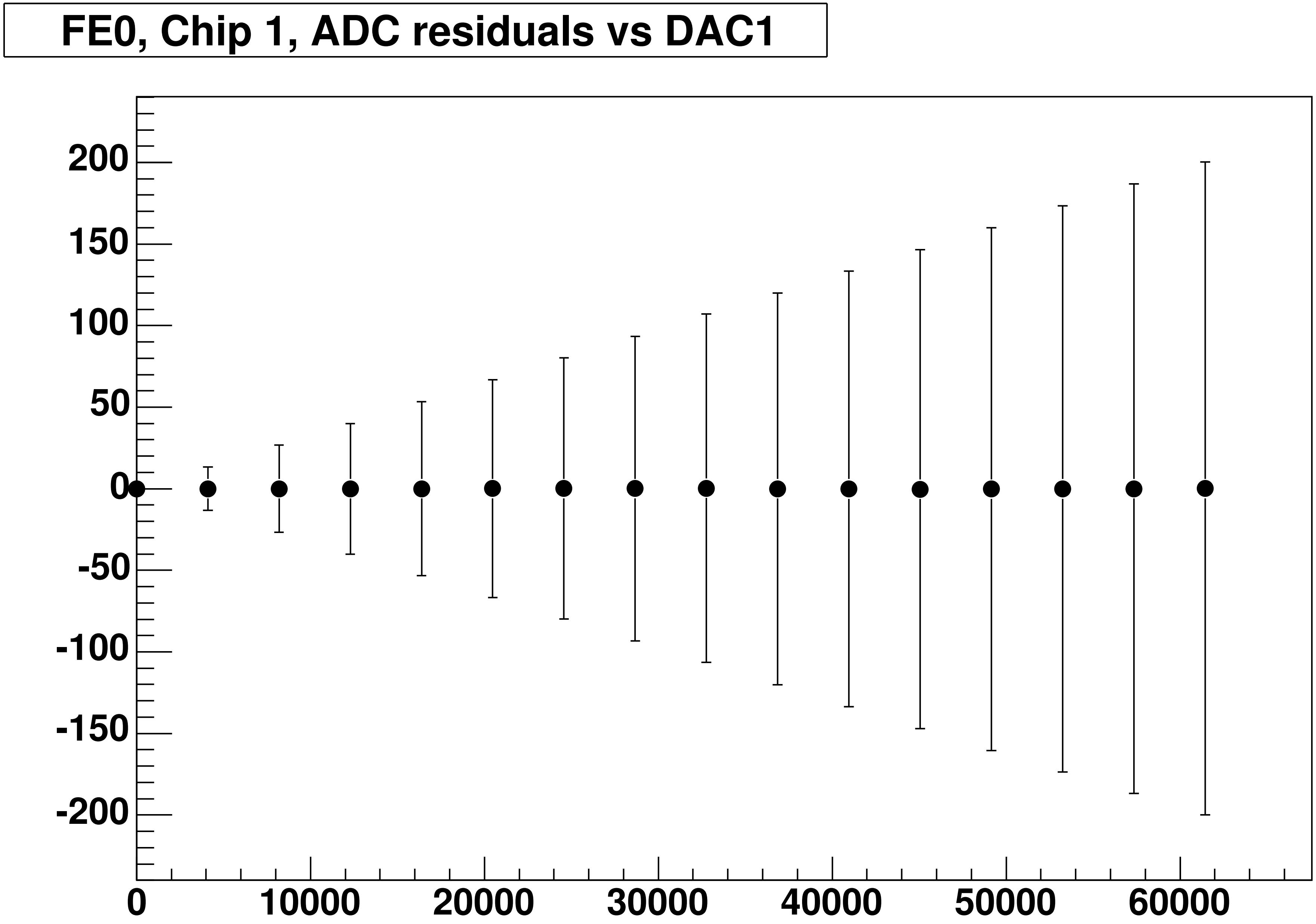
FE0, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.001091 / 11
p0 89.17 ± 30.94
p1 0.435 ± 0.00159
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

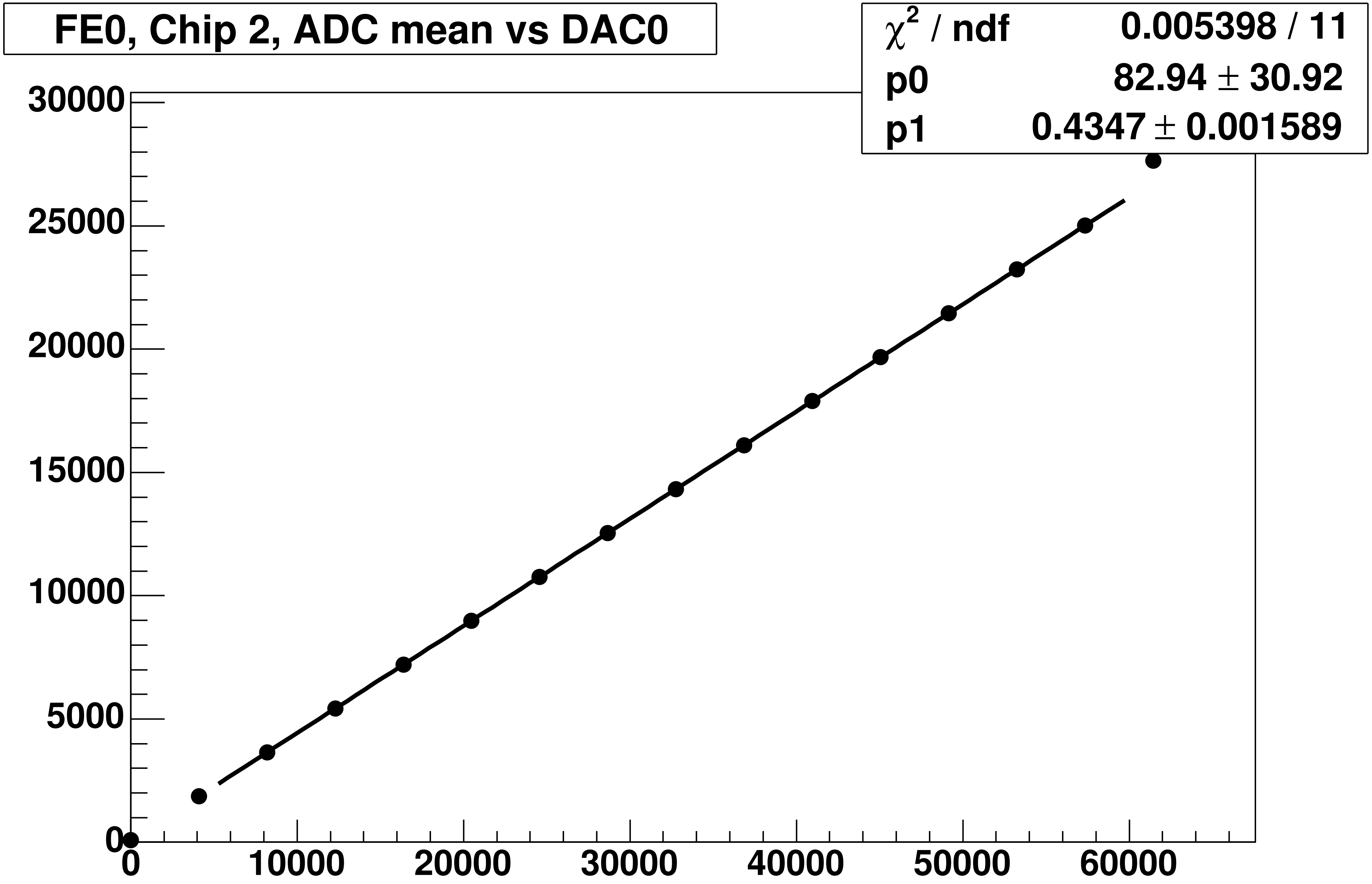

FE0, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

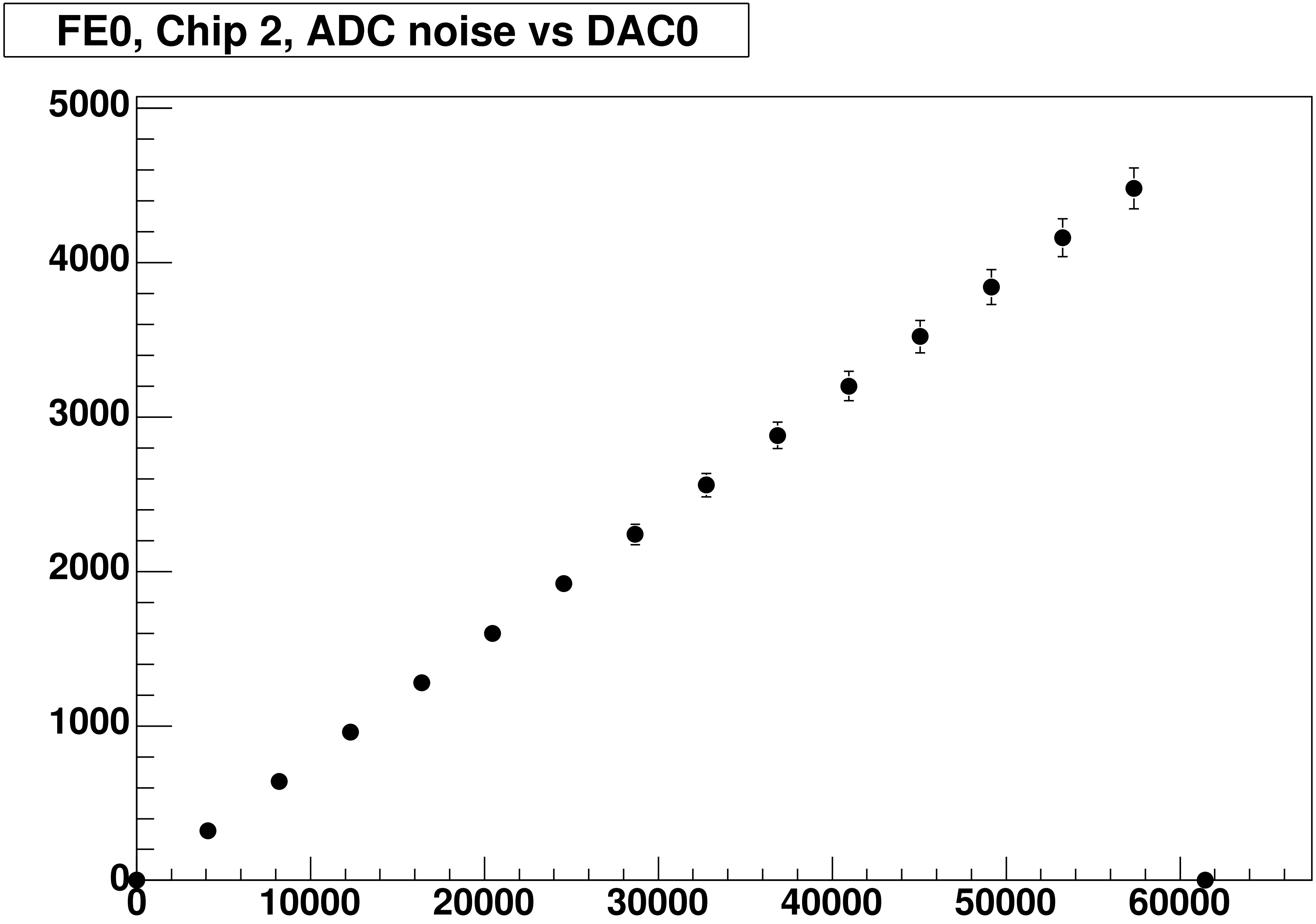

FE0, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

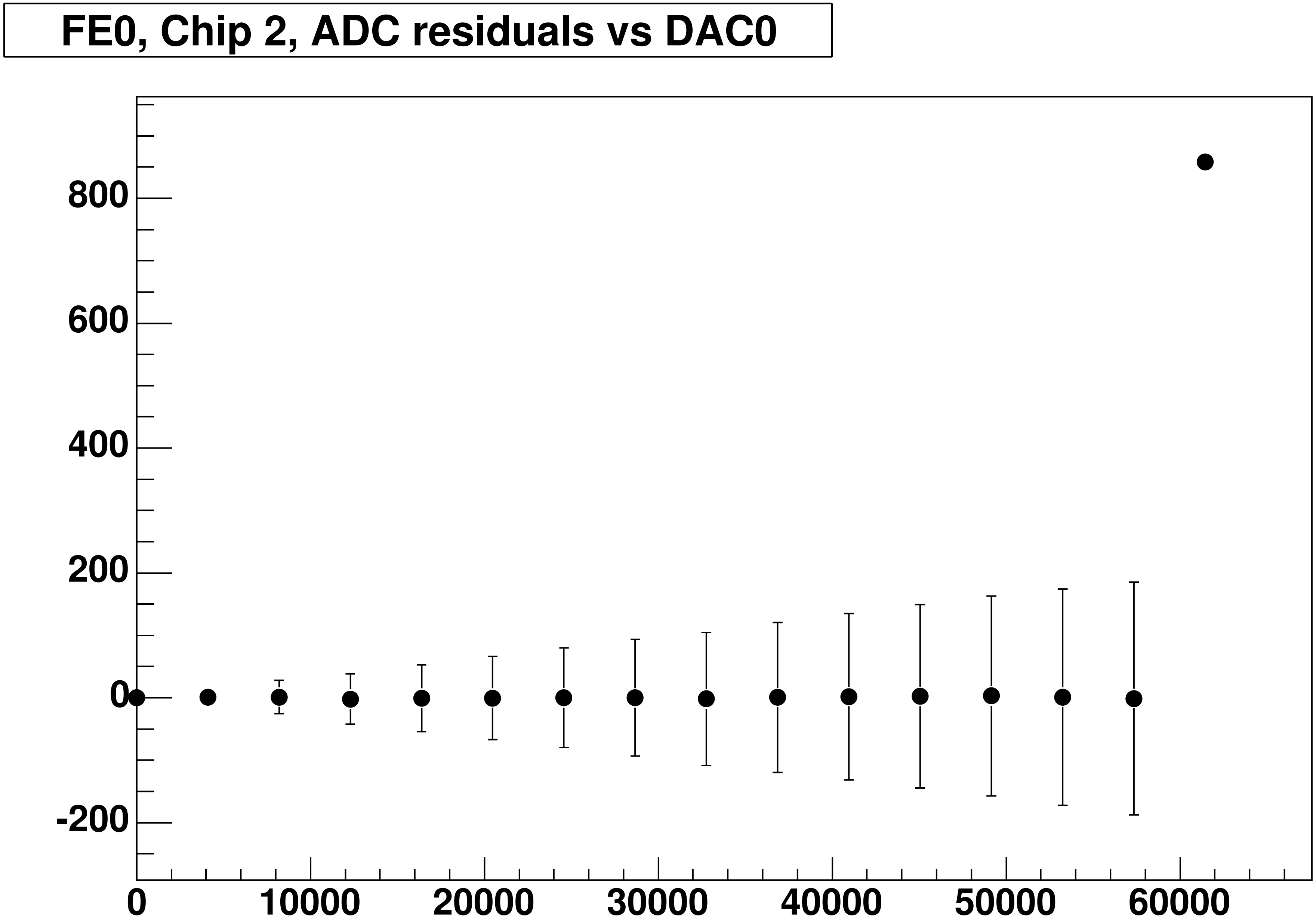

FE0, Chip 1, ADC mean vs DAC1
χ2 / ndf 1.872e-05 / 11
p0 89.86 ± 30.94
p1 0.01403 ± 0.00159
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

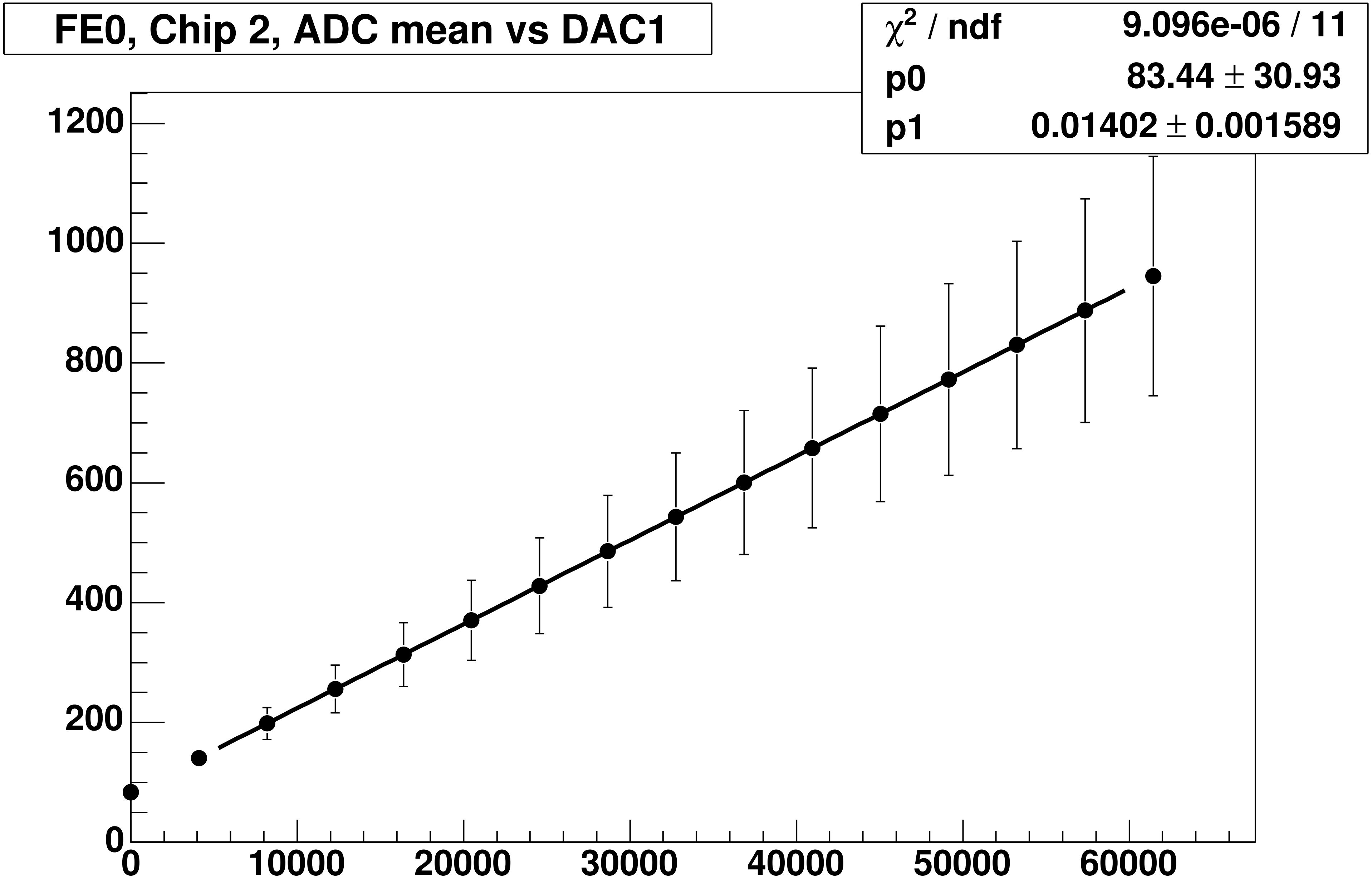

FE0, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

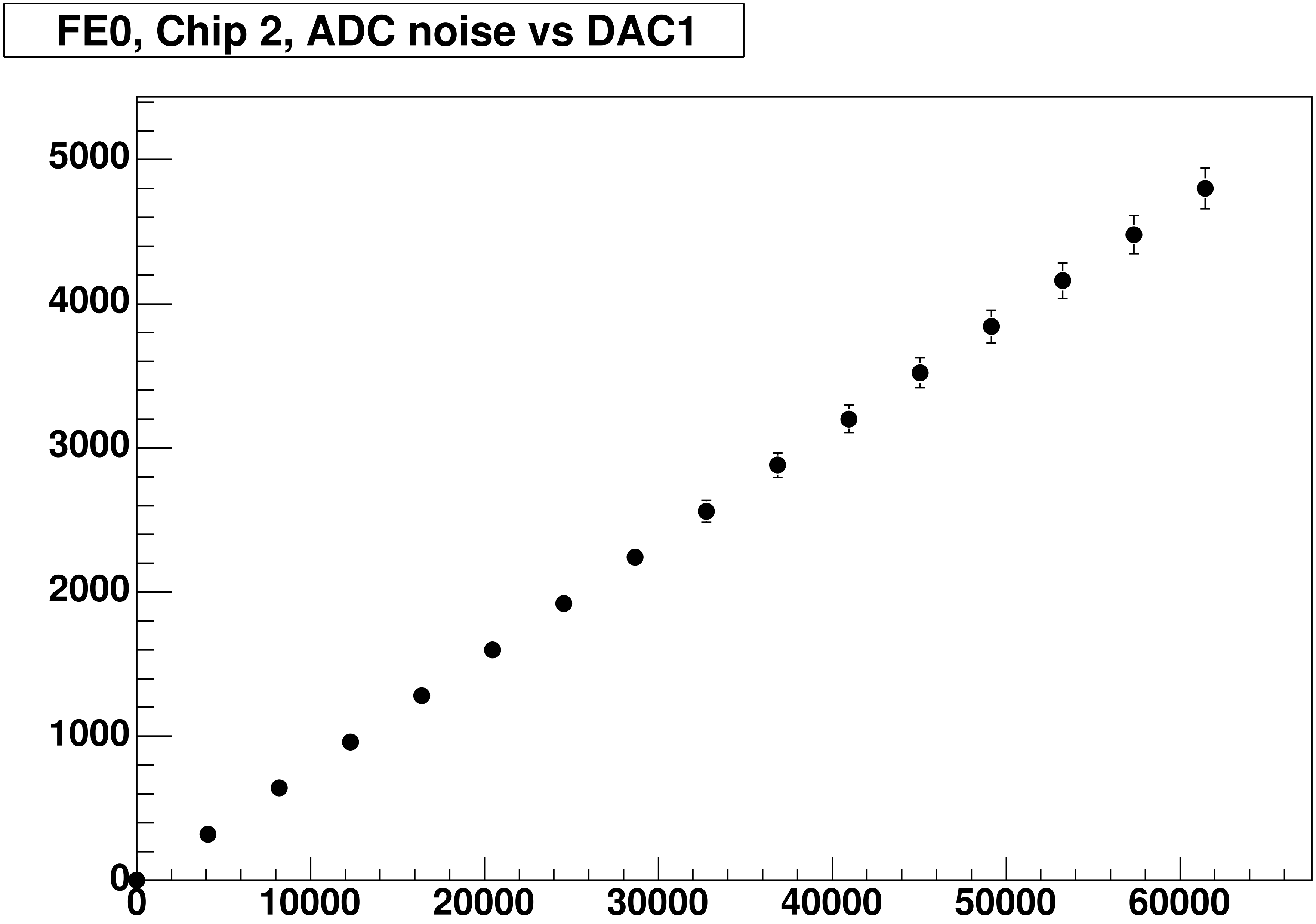

FE0, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE0, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.005398 / 11
p0 82.94 ± 30.92
p1 0.4347 ± 0.001589
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

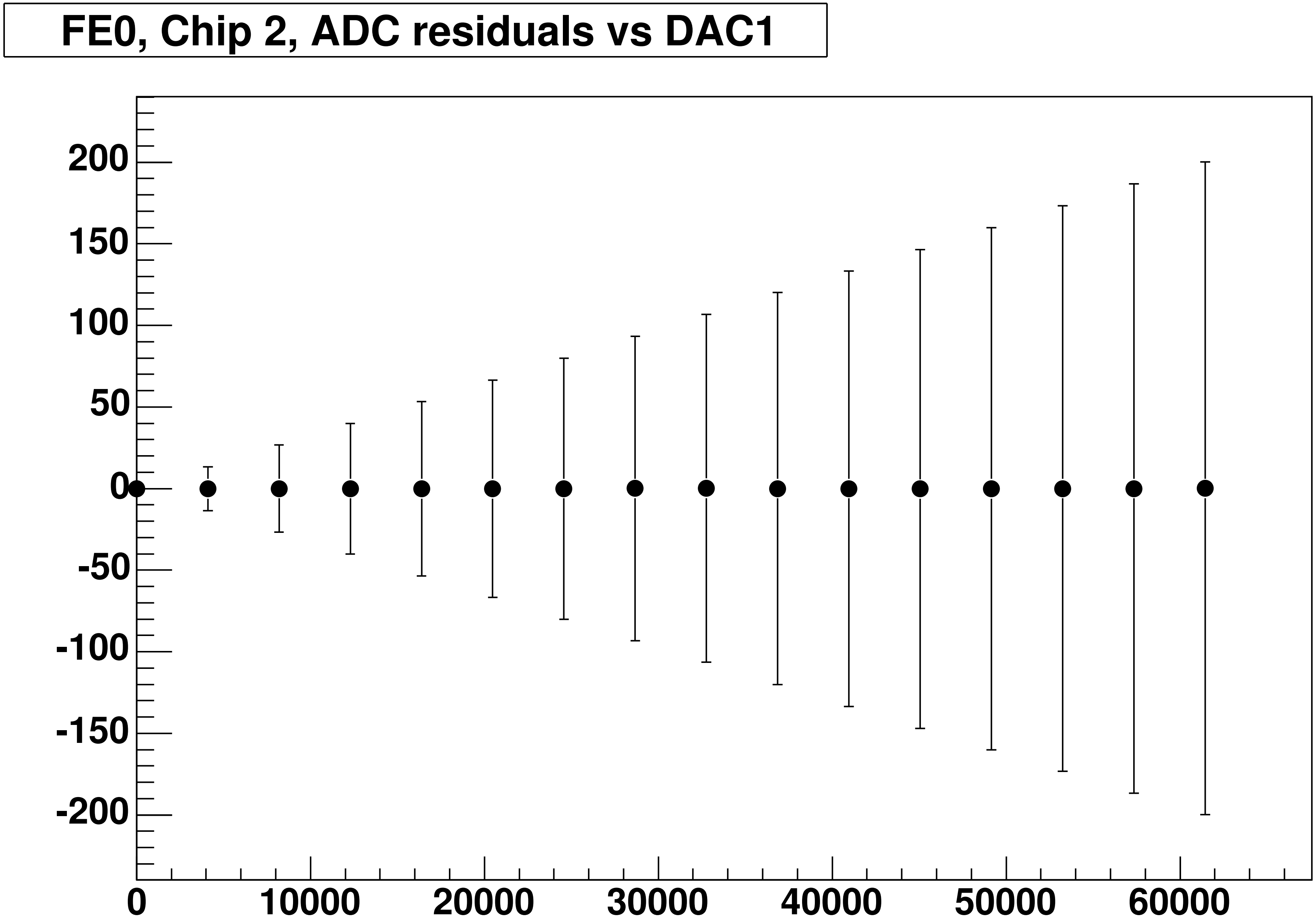

FE0, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

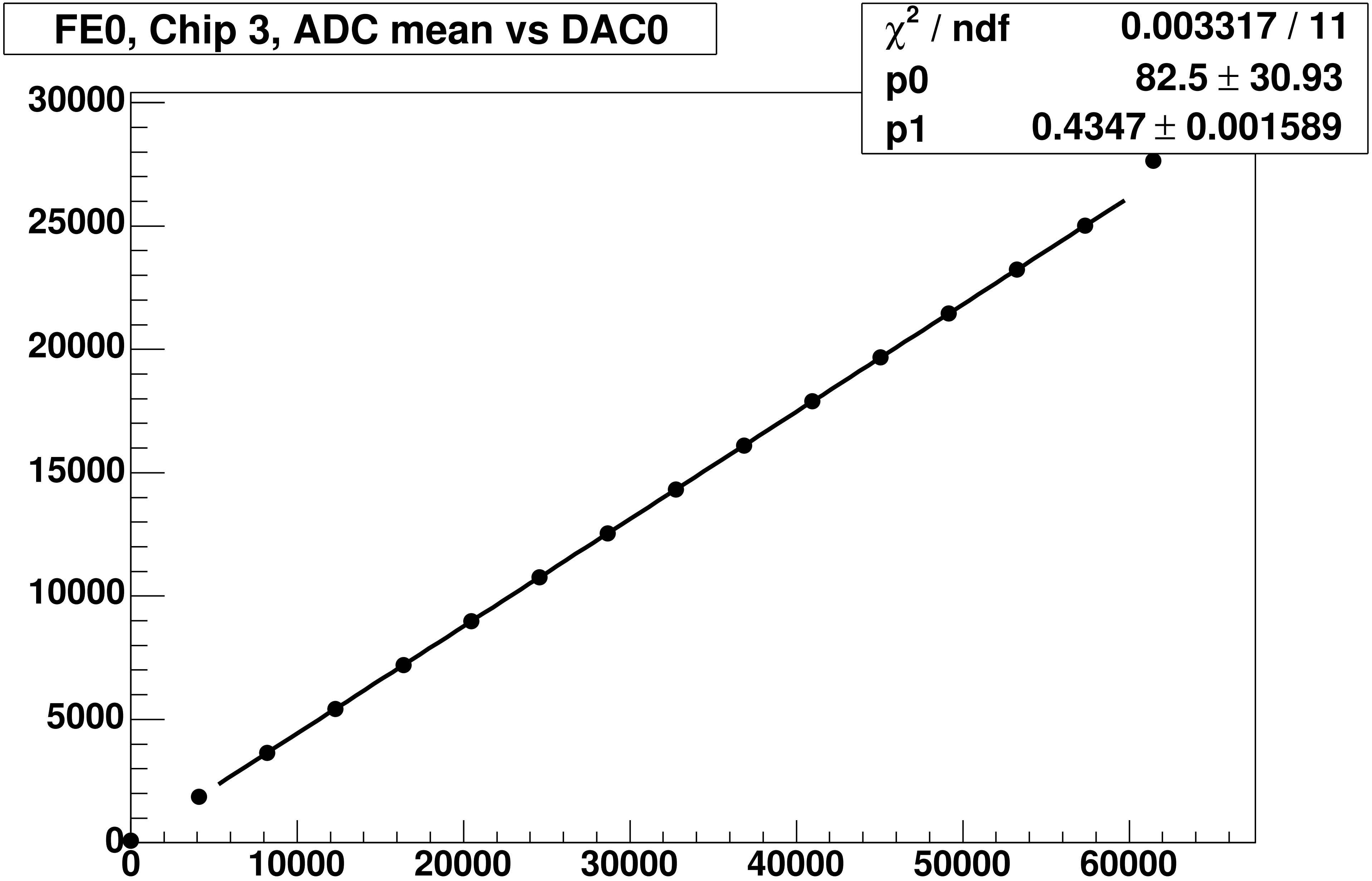

FE0, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

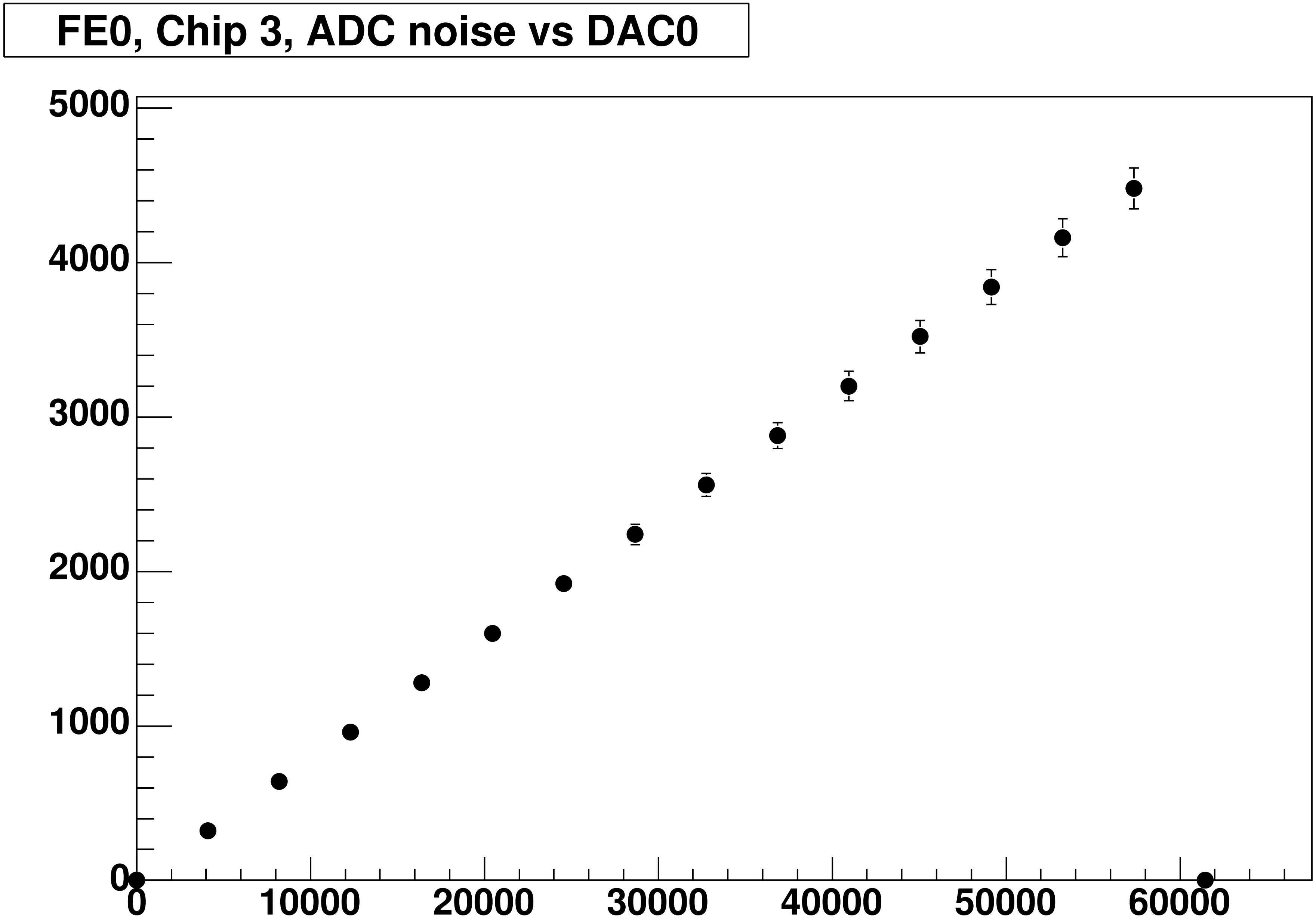

FE0, Chip 2, ADC mean vs DAC1
χ2 / ndf 9.096e-06 / 11
p0 83.44 ± 30.93
p1 0.01402 ± 0.001589
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

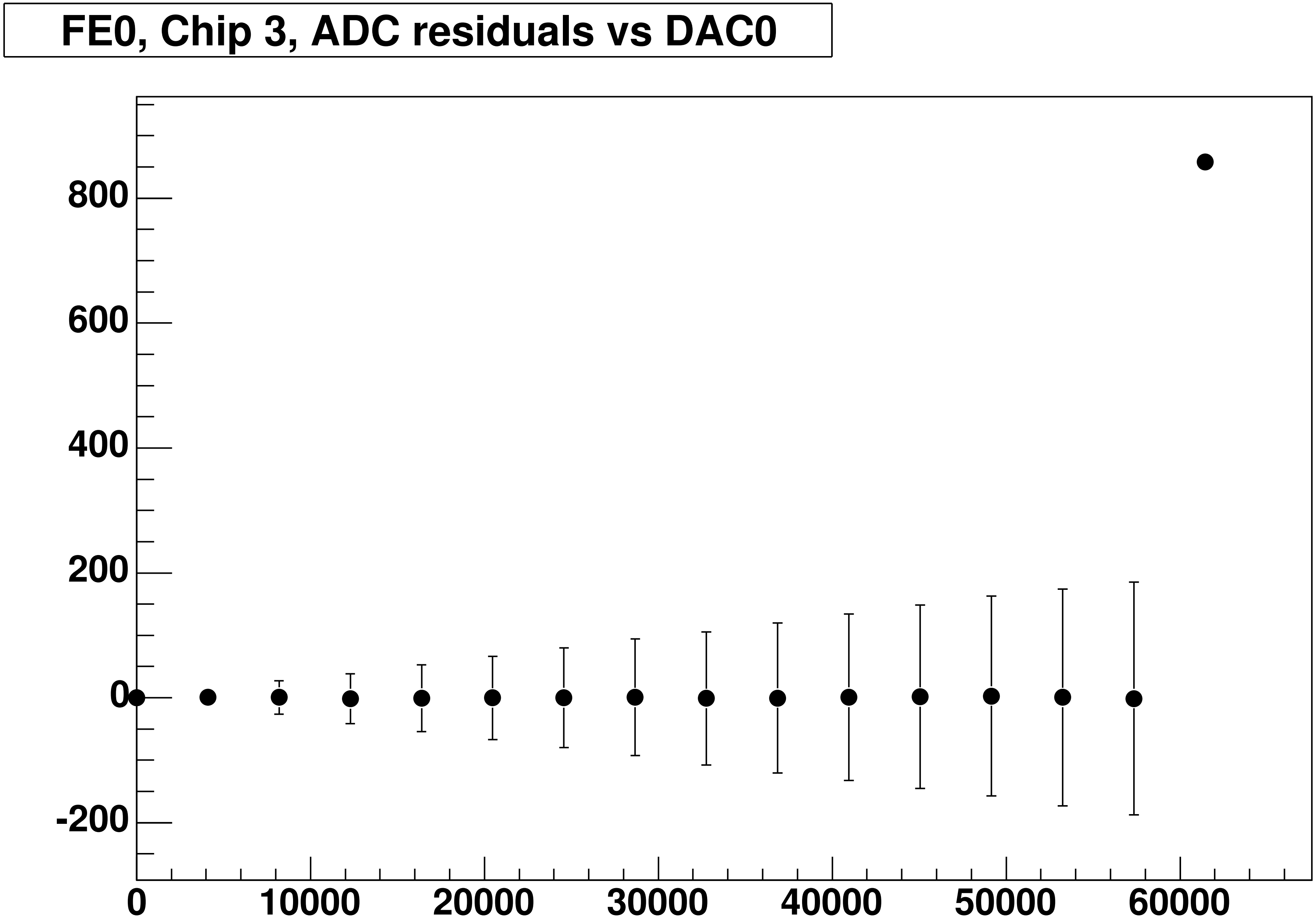


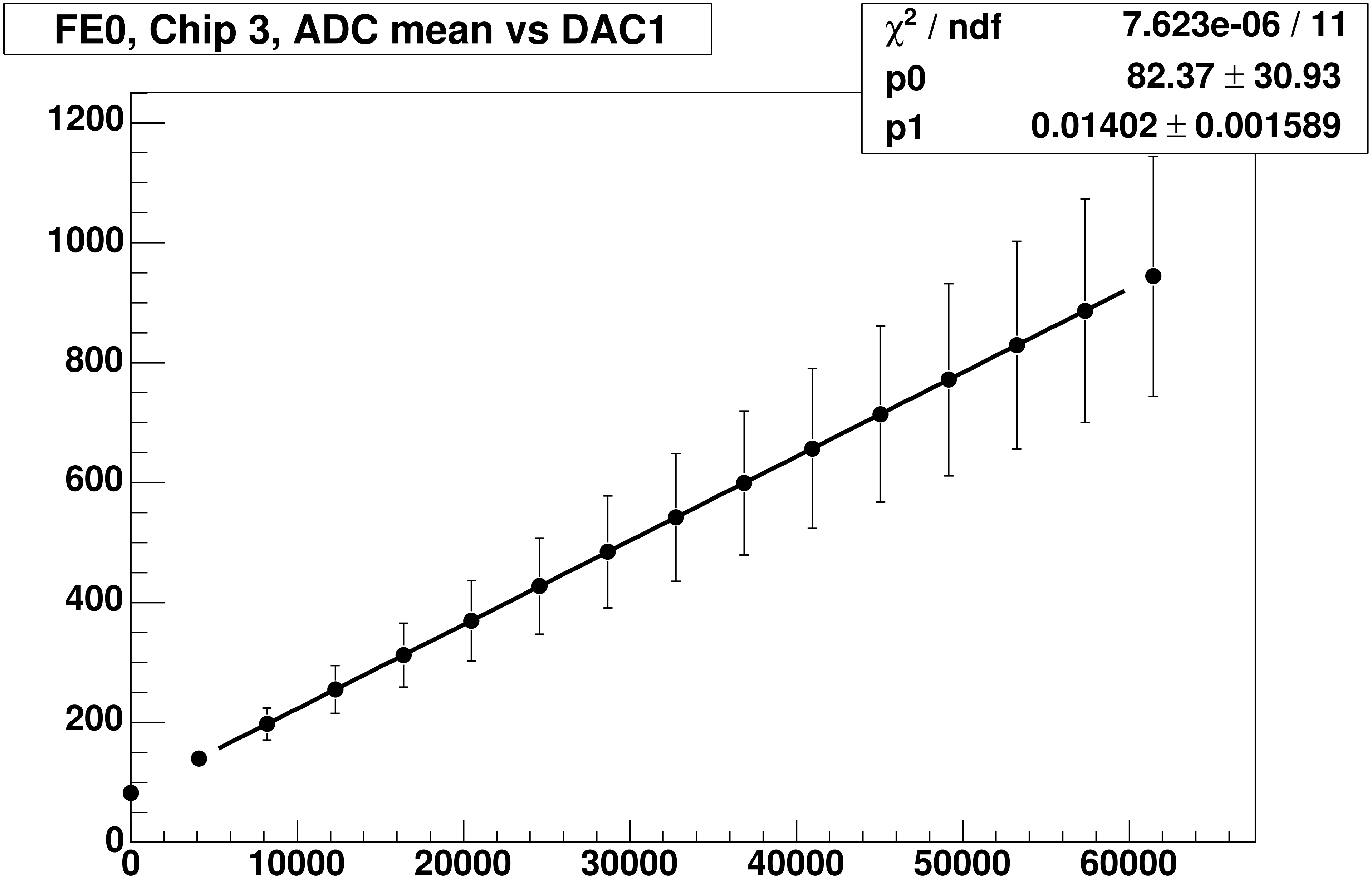
FE0, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

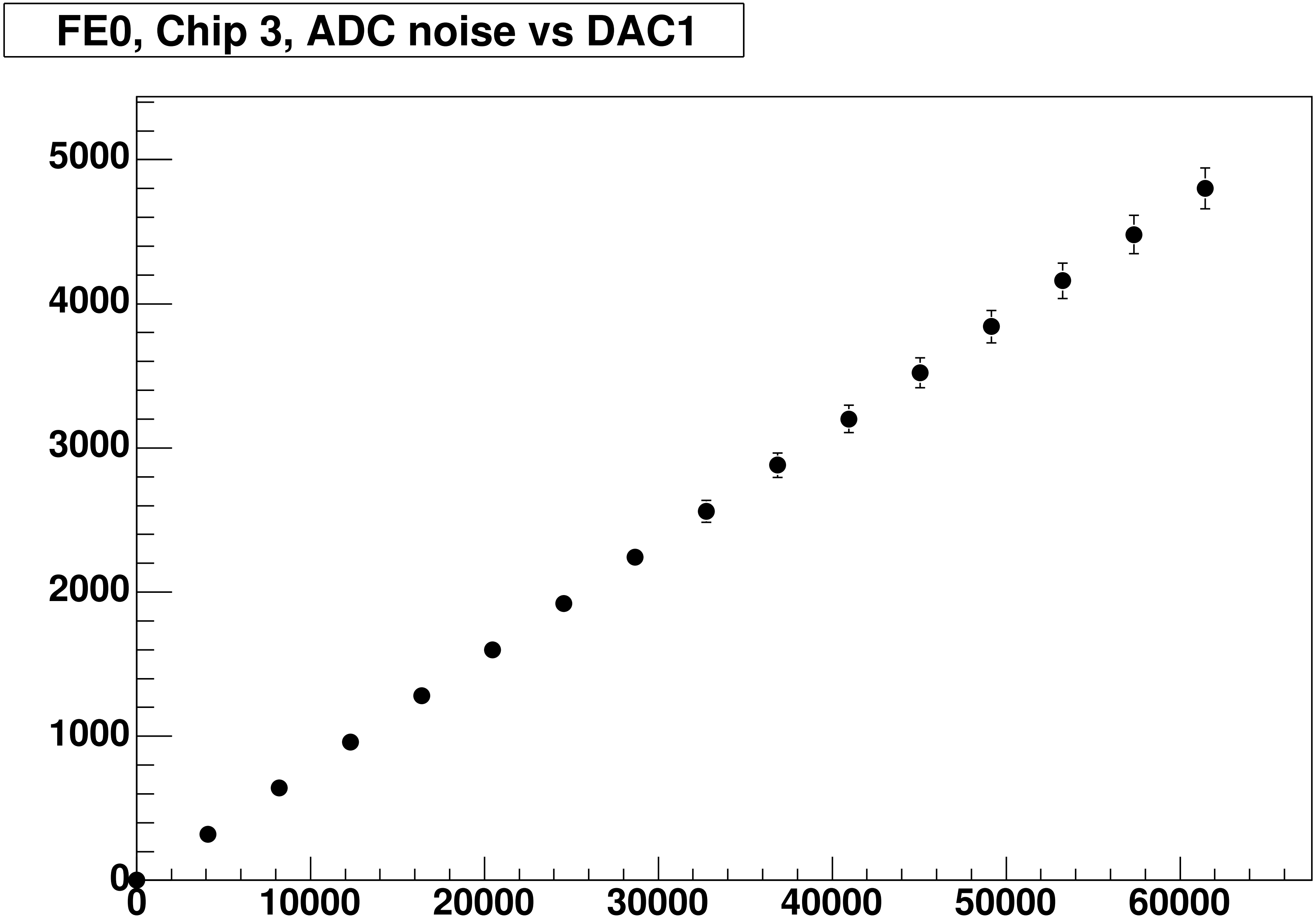

FE0, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

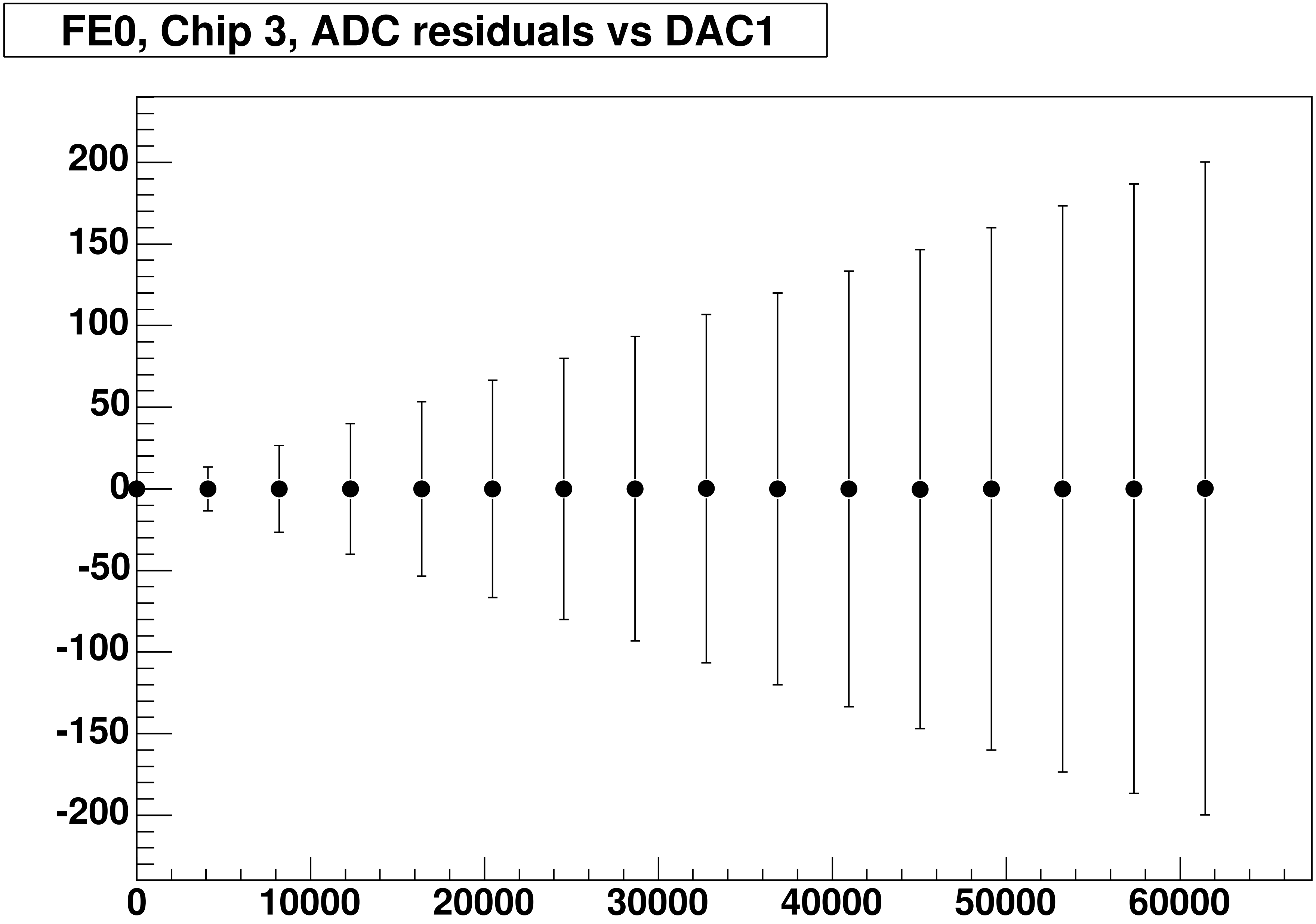

FE0, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.003317 / 11
p0 82.5 ± 30.93
p1 0.4347 ± 0.001589
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

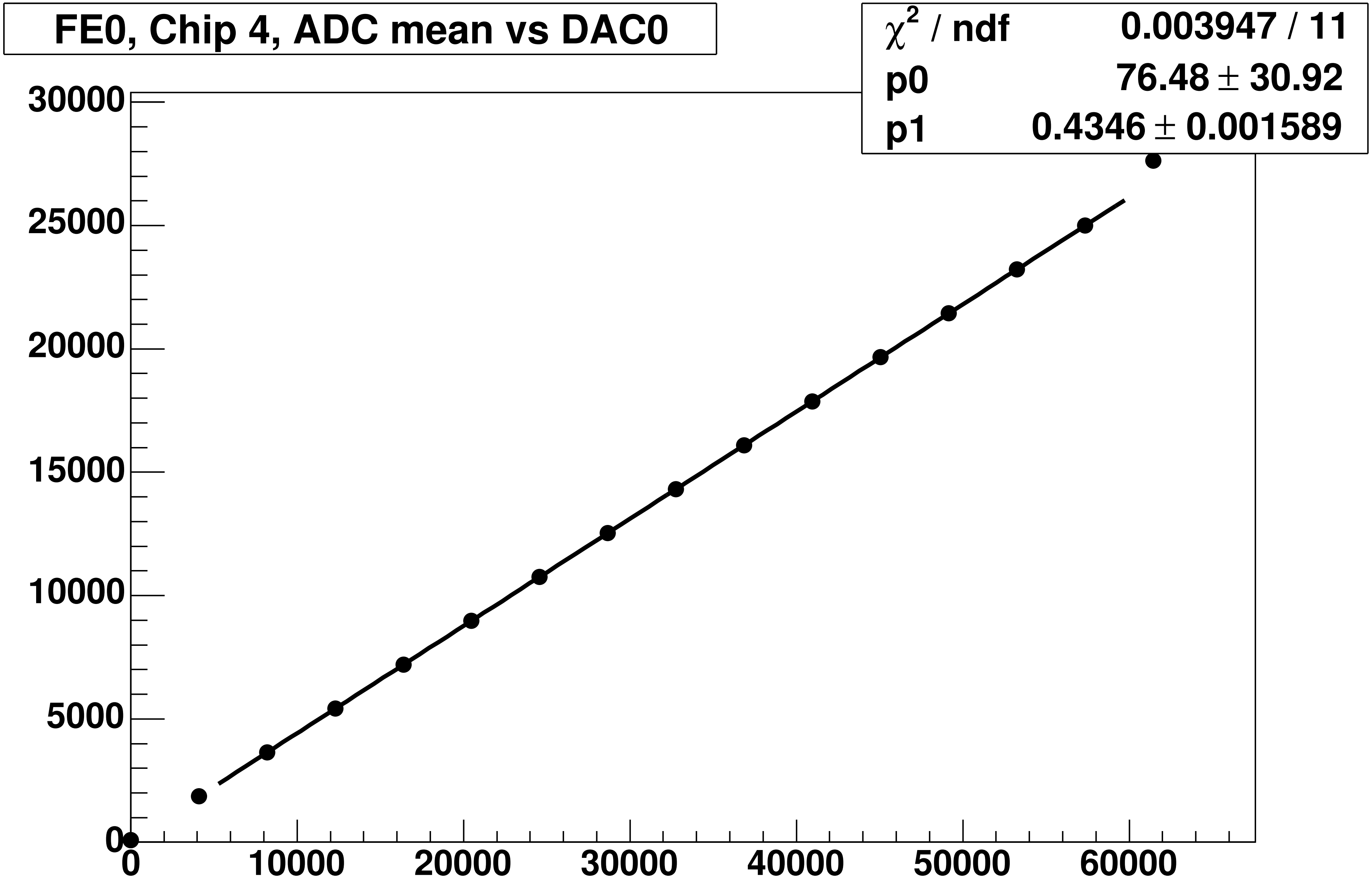

FE0, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

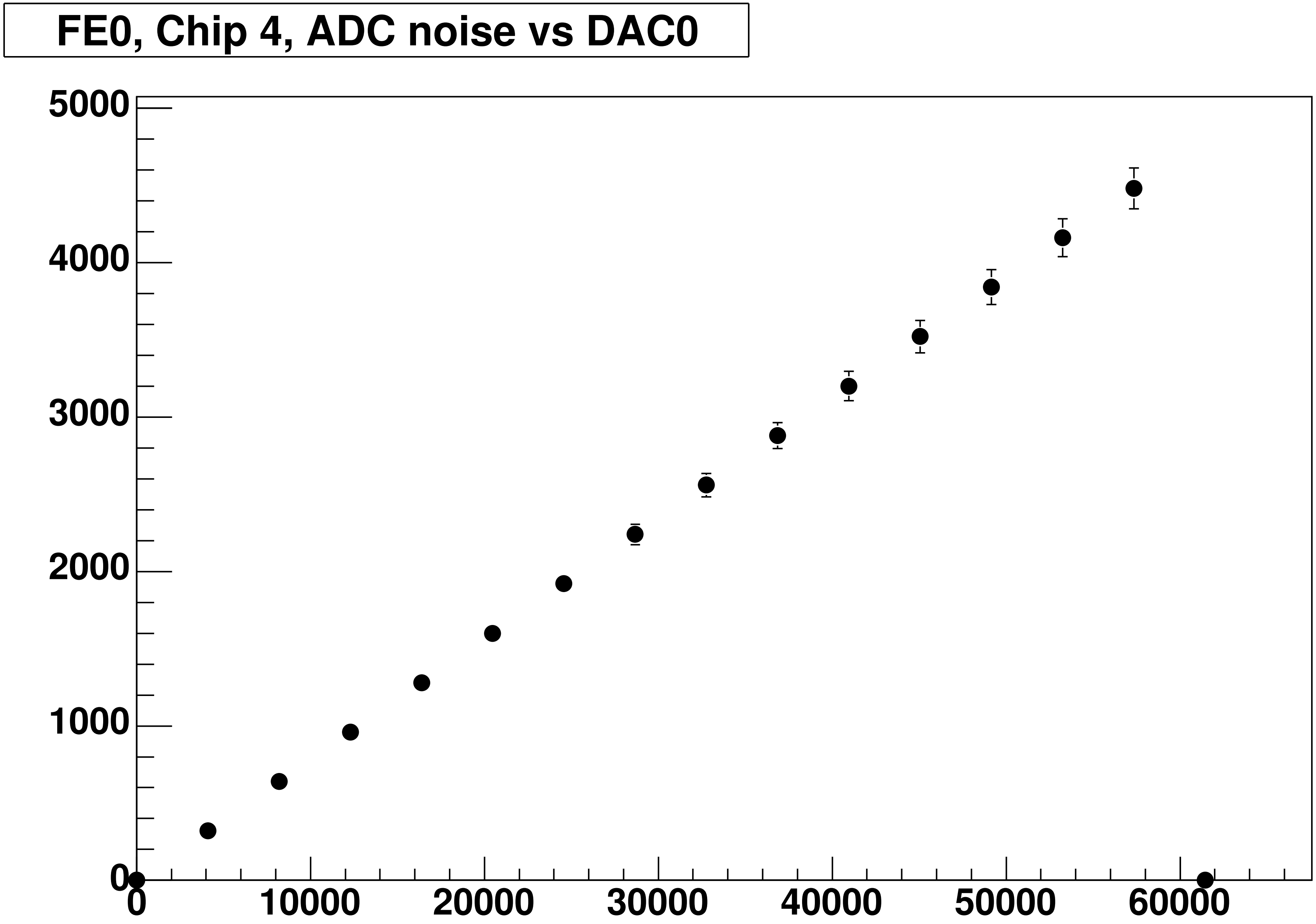

FE0, Chip 3, ADC mean vs DAC1
χ² / ndf 7.623e-06 / 11
p0 82.37 ± 30.93
p1 0.01402 ± 0.001589
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

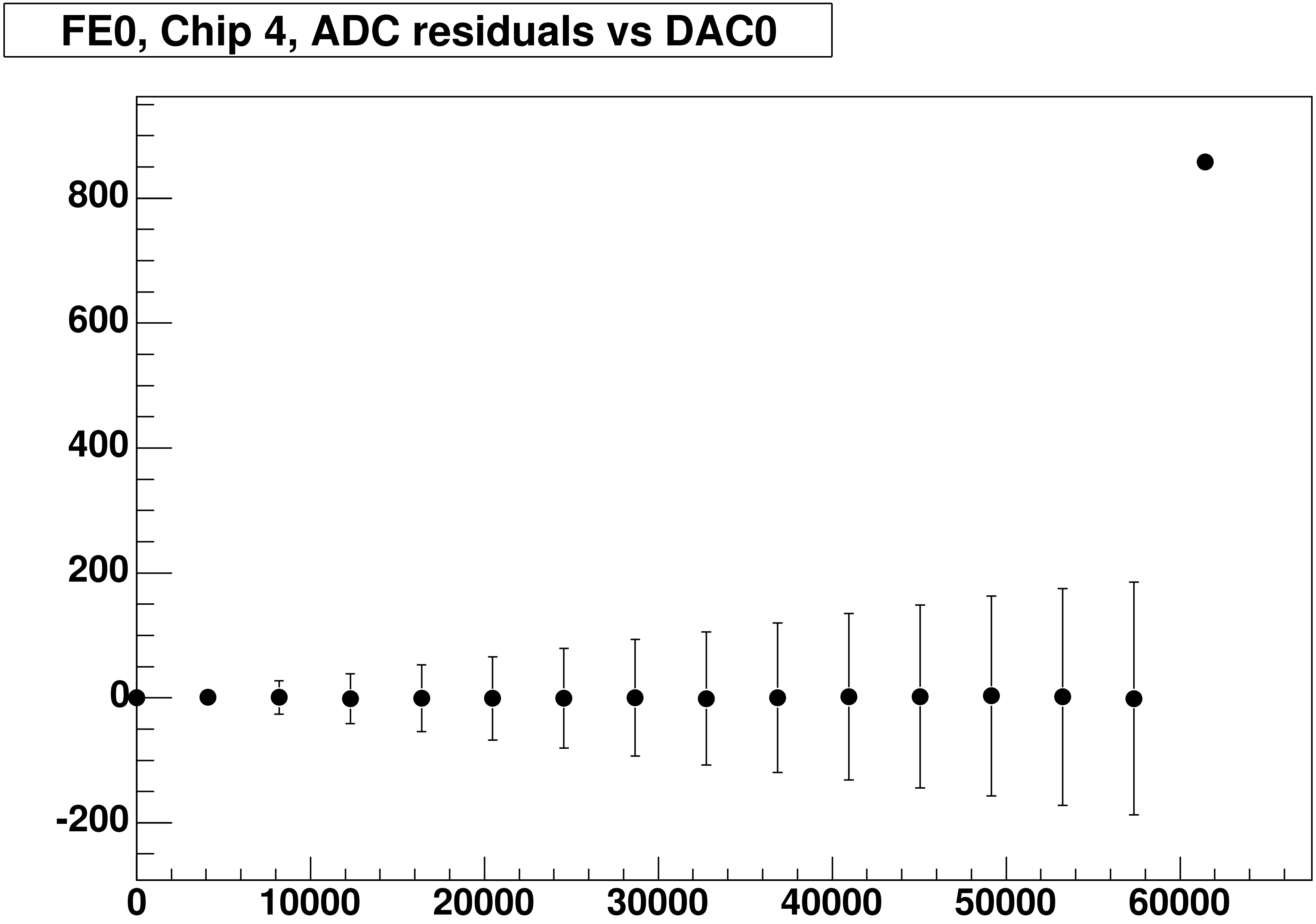

FE0, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

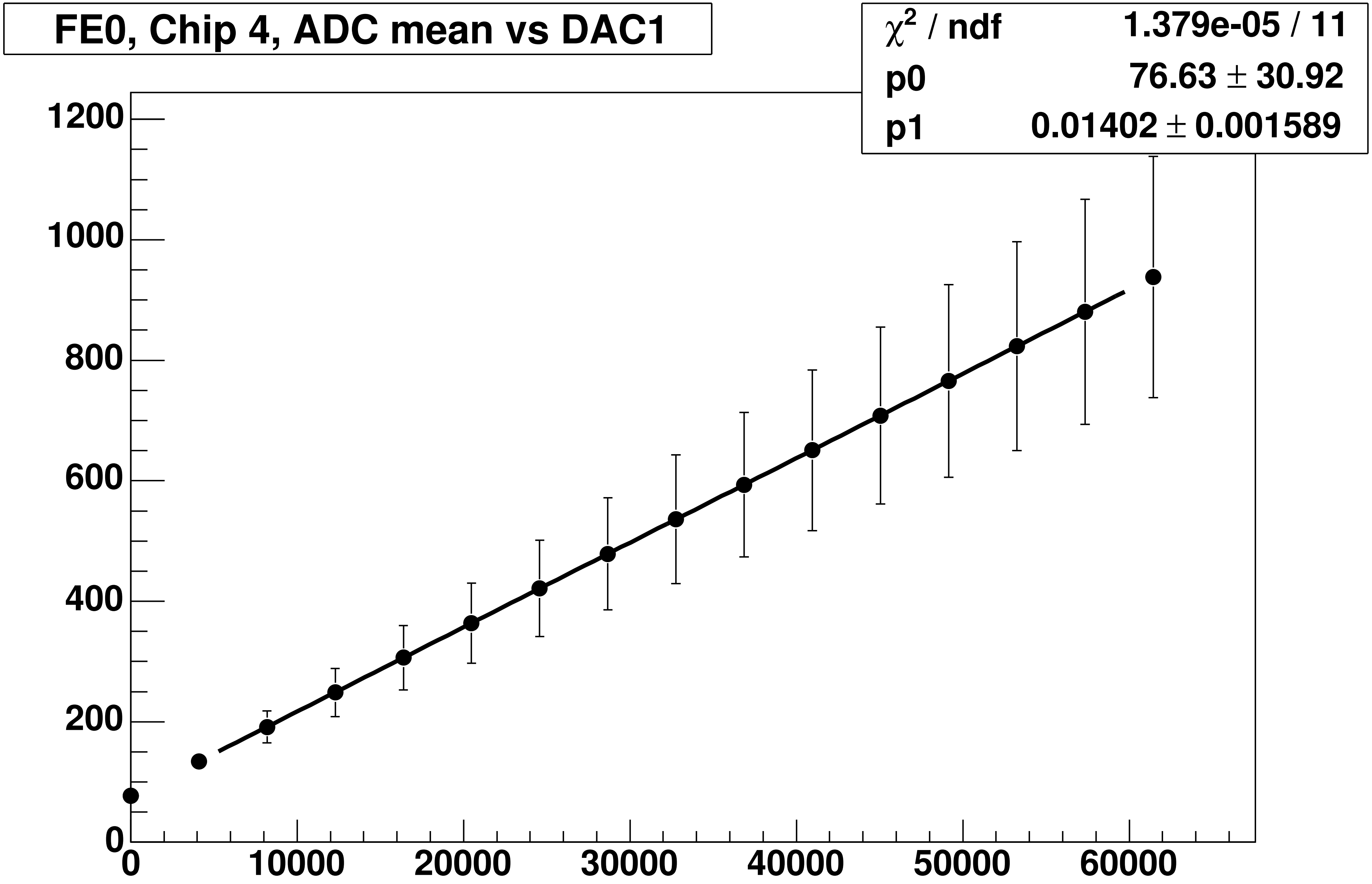


FE0, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

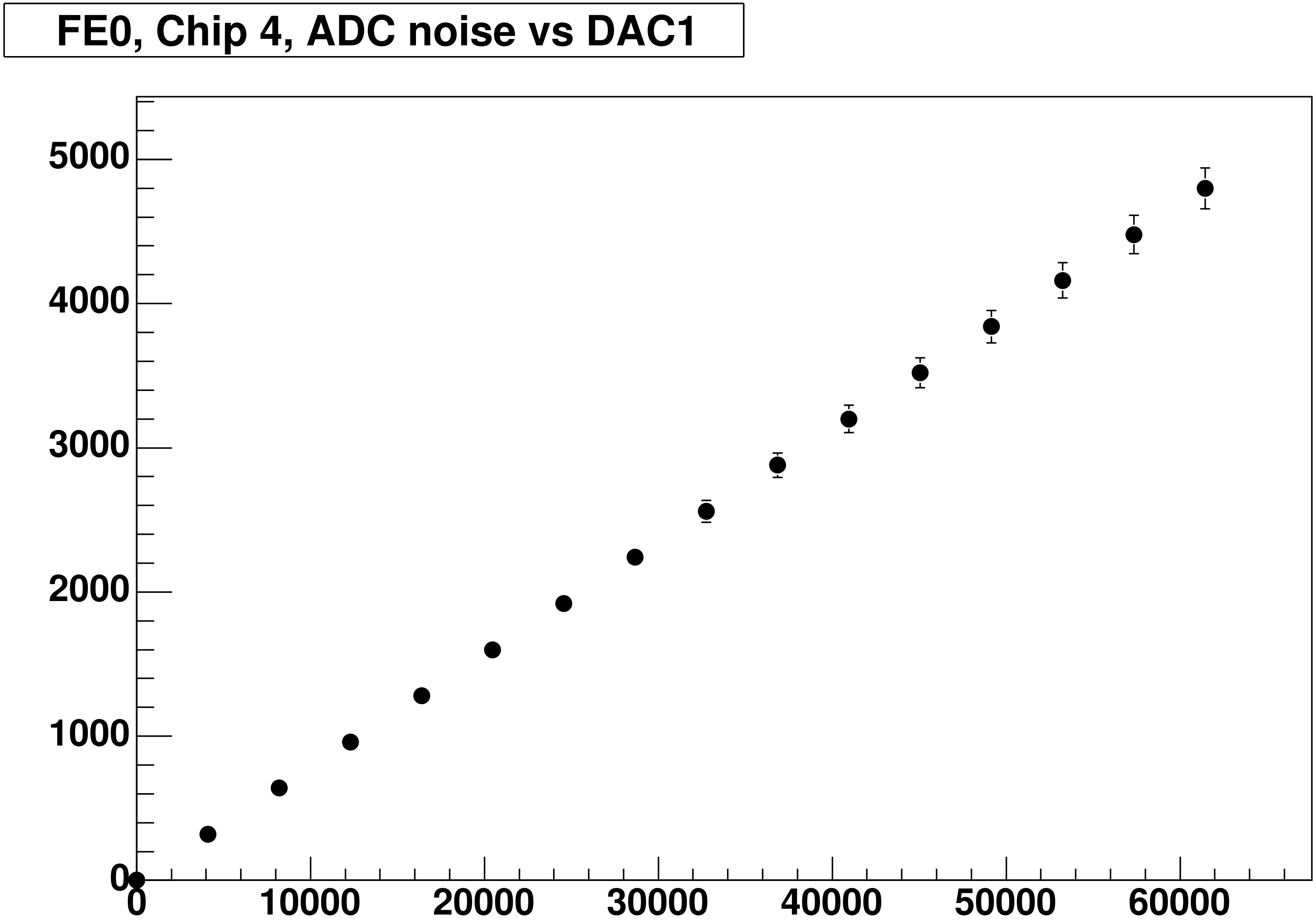

FE0, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.003947 / 11
p0 76.48 ± 30.92
p1 0.4346 ± 0.001589
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

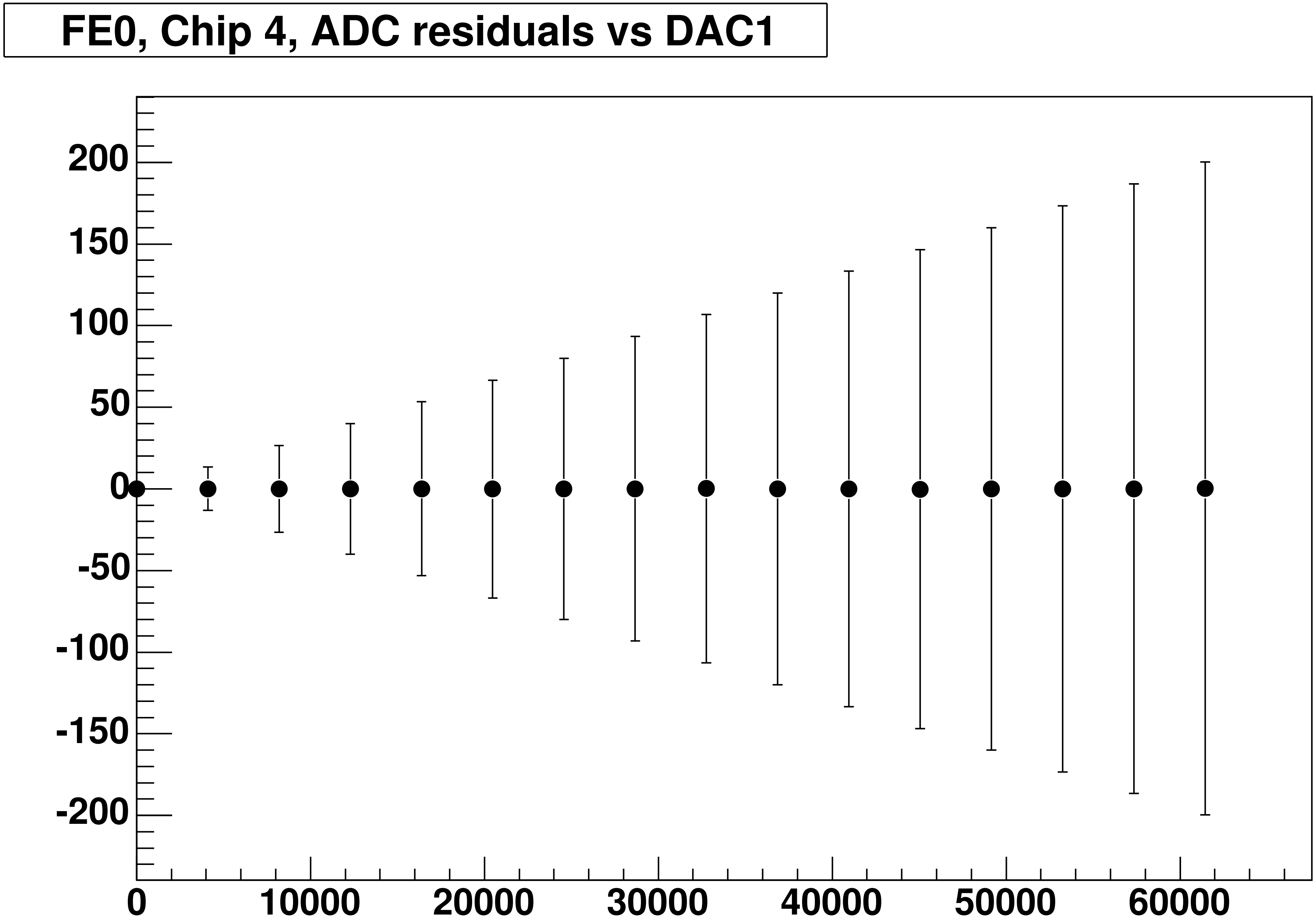

FE0, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

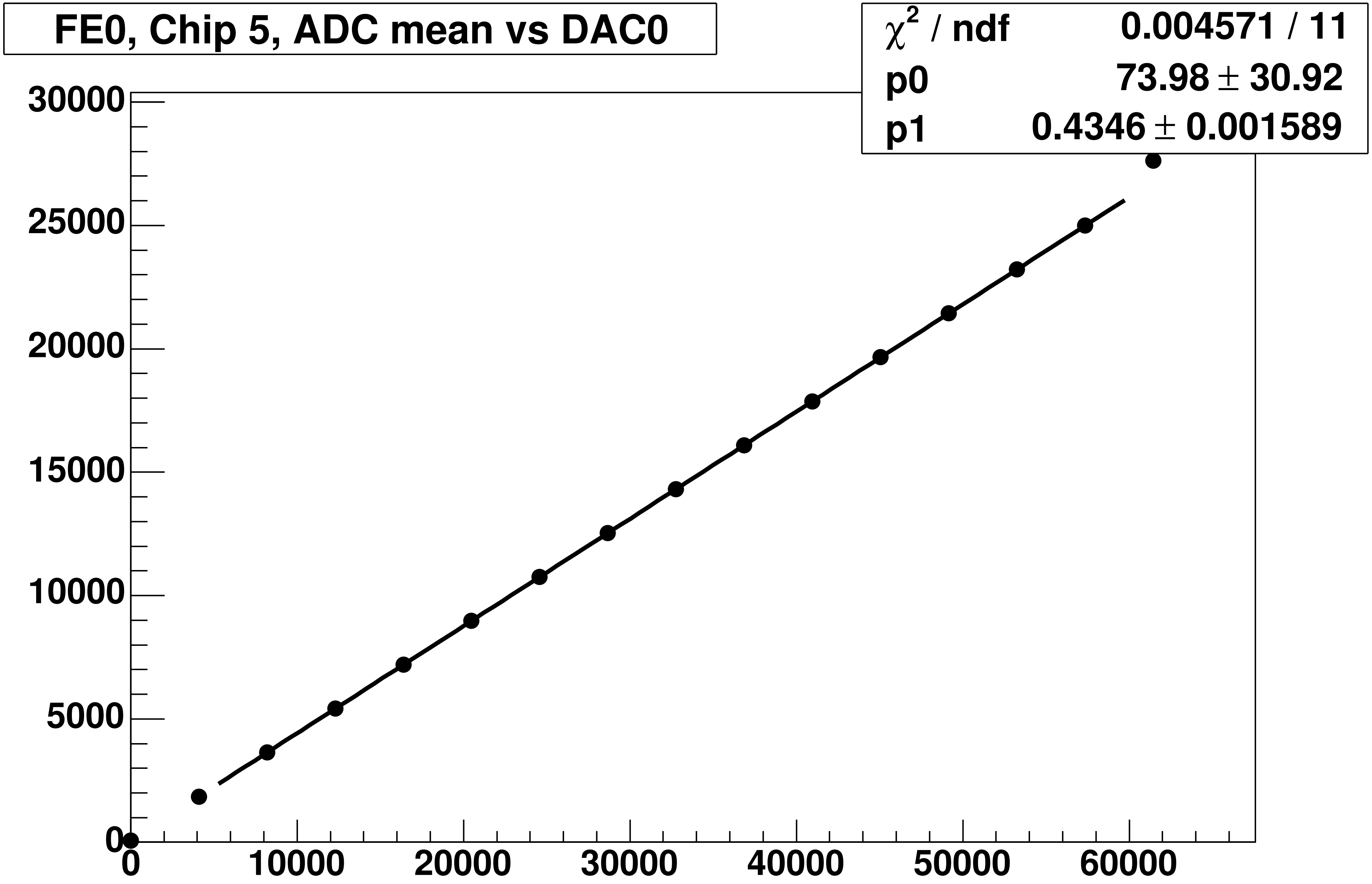

FE0, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



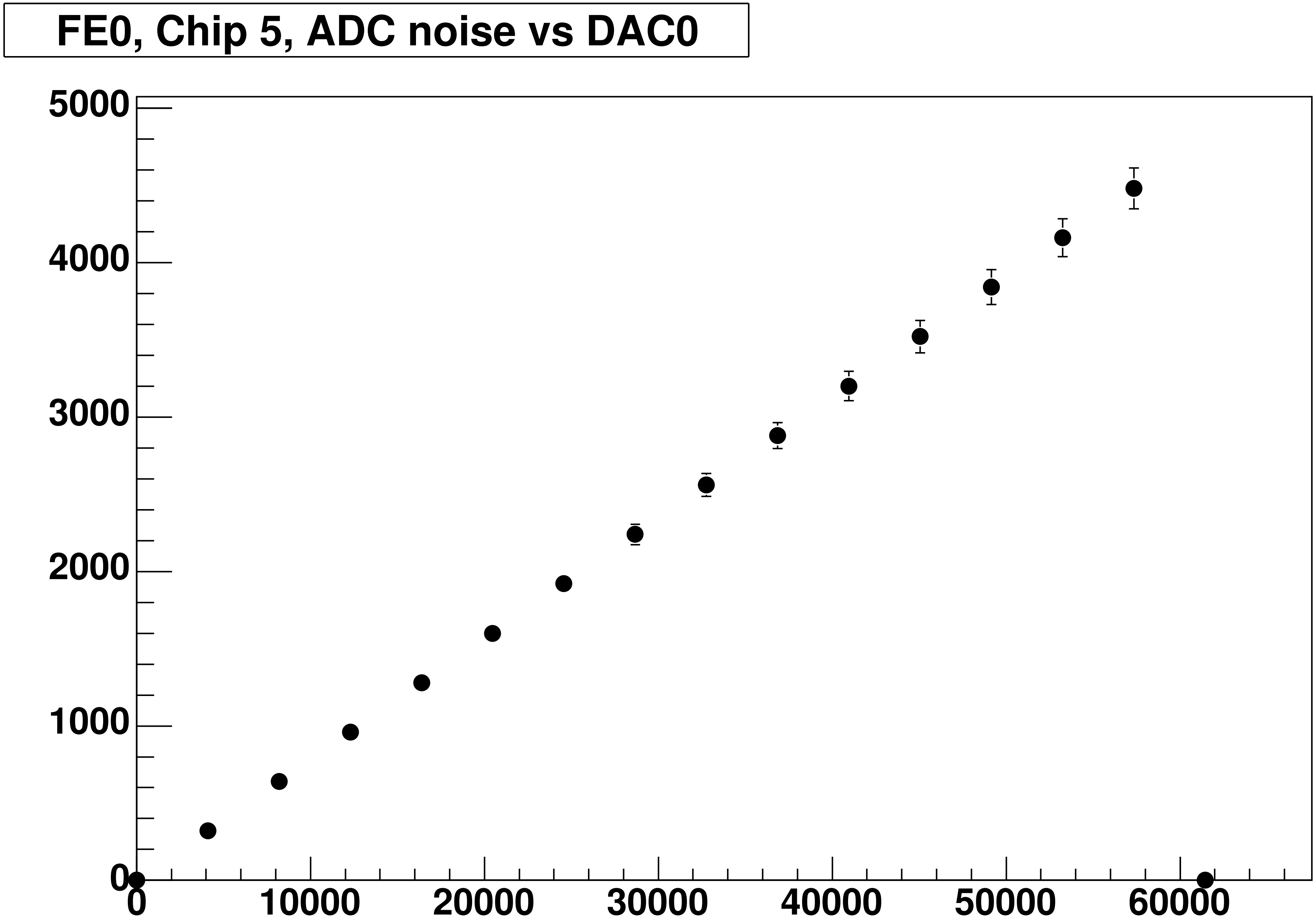
FE0, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.379e-05 / 11
p0 76.63 ± 30.92
p1 0.01402 ± 0.001589
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

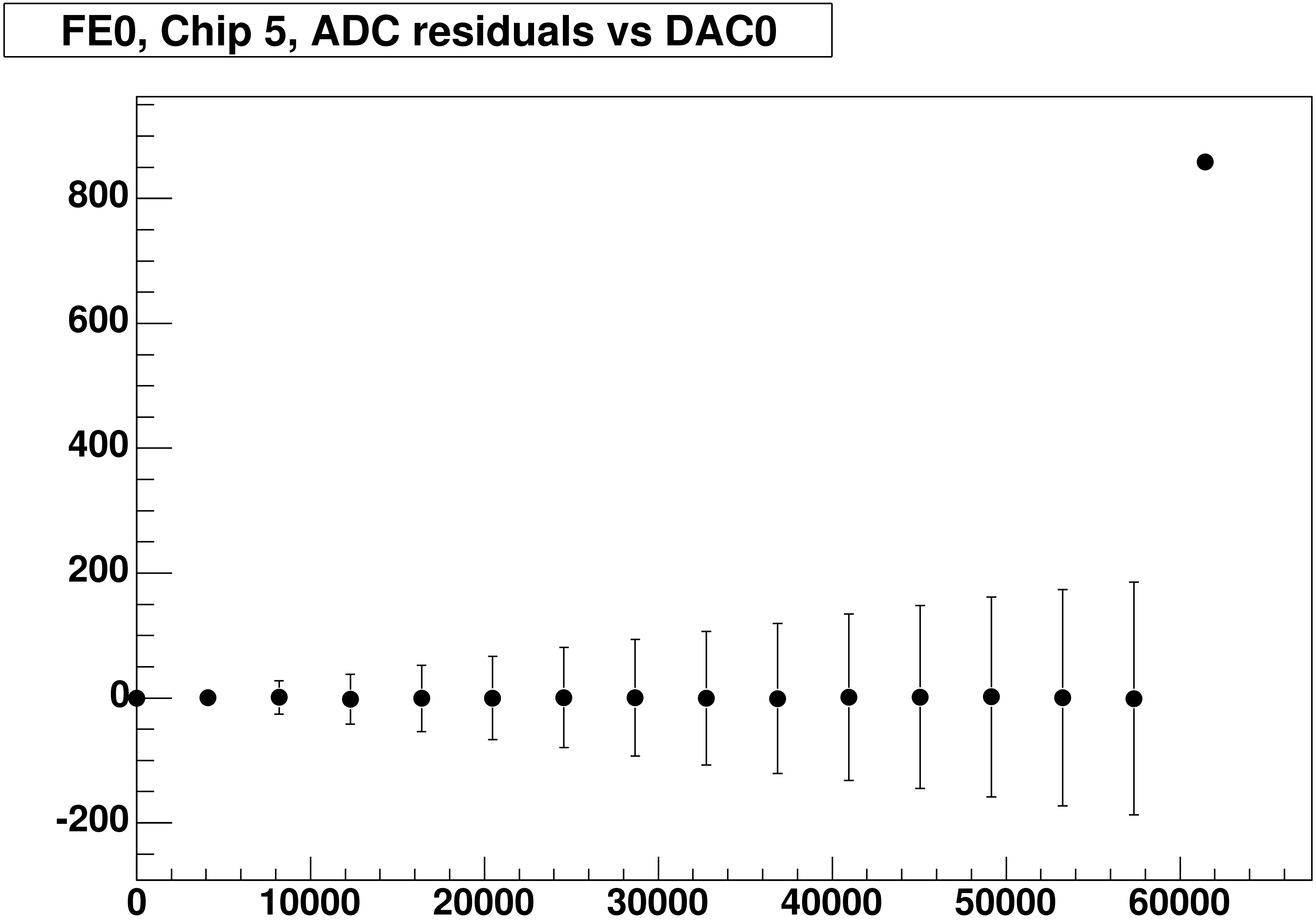

FE0, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

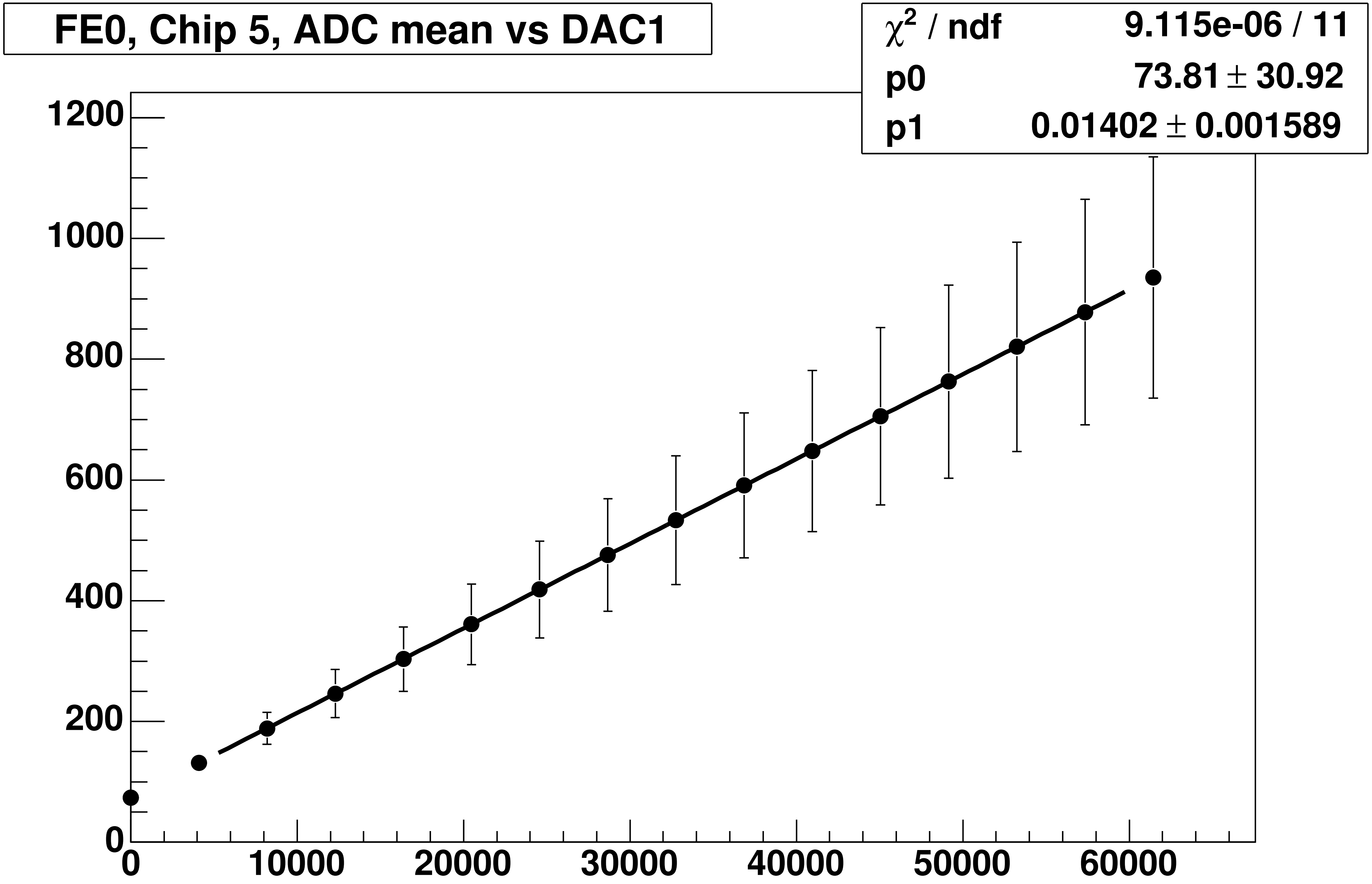

FE0, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



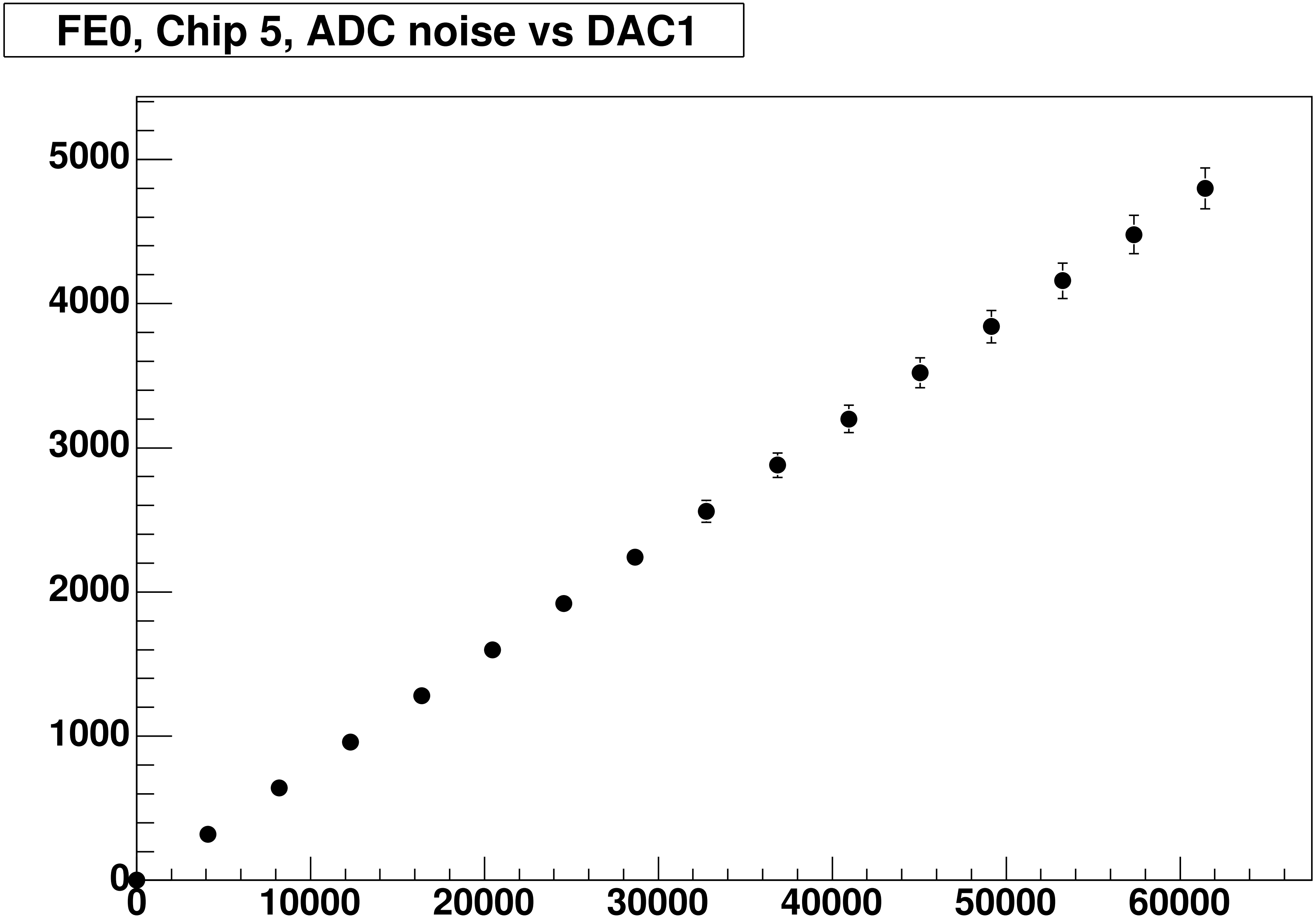
FE0, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.004571 / 11
p0 73.98 ± 30.92
p1 0.4346 ± 0.001589
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

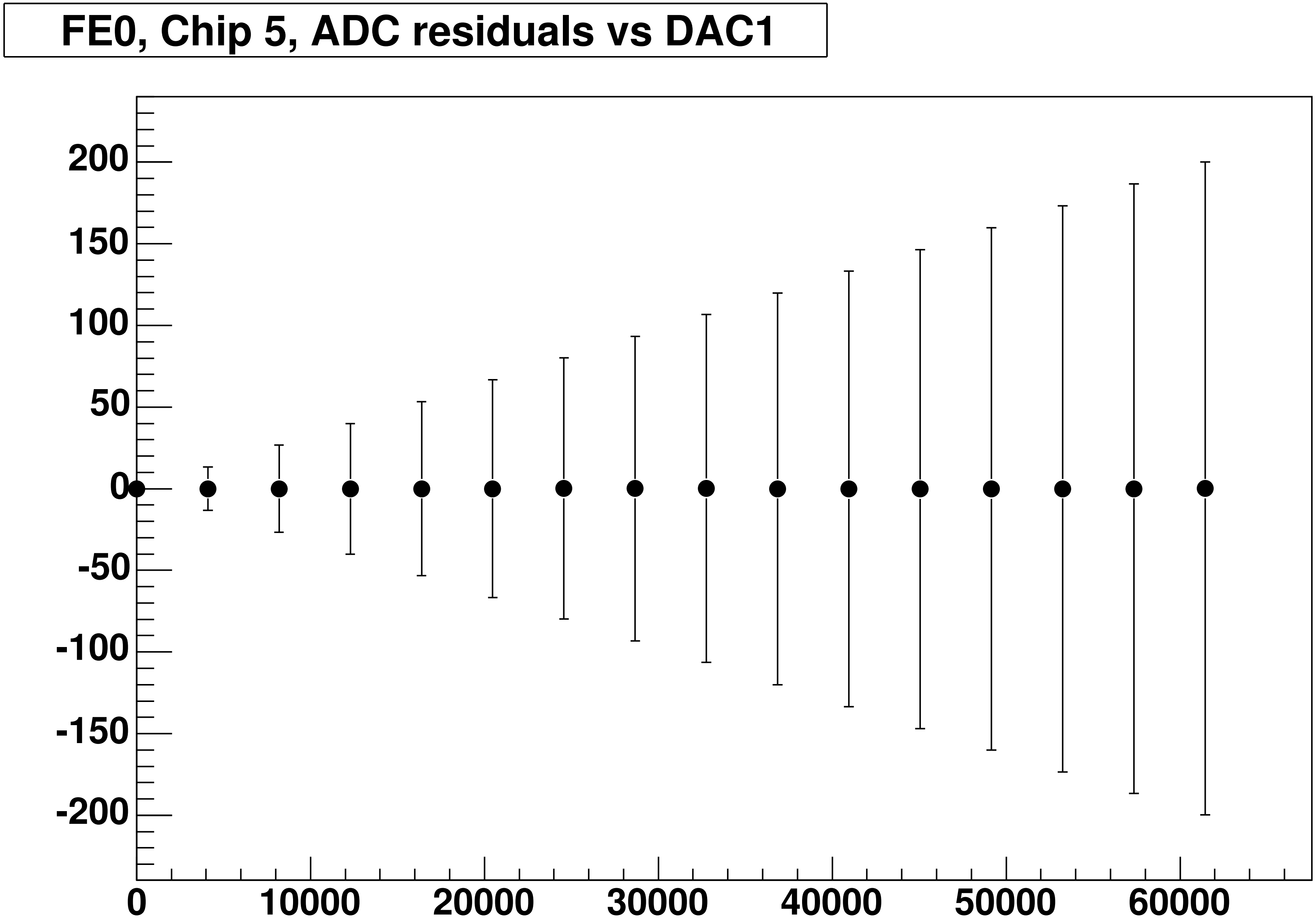

FE0, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

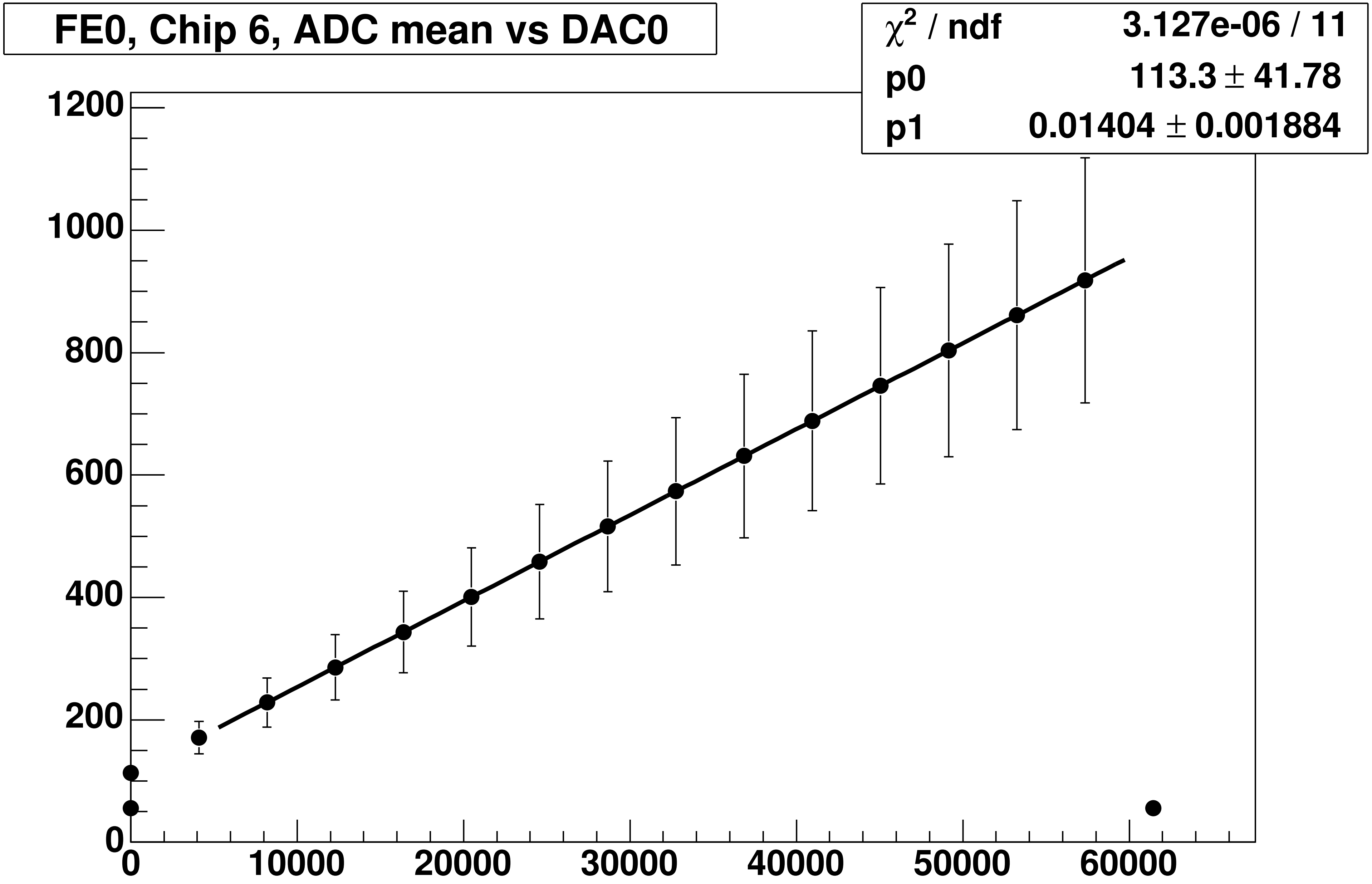

FE0, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



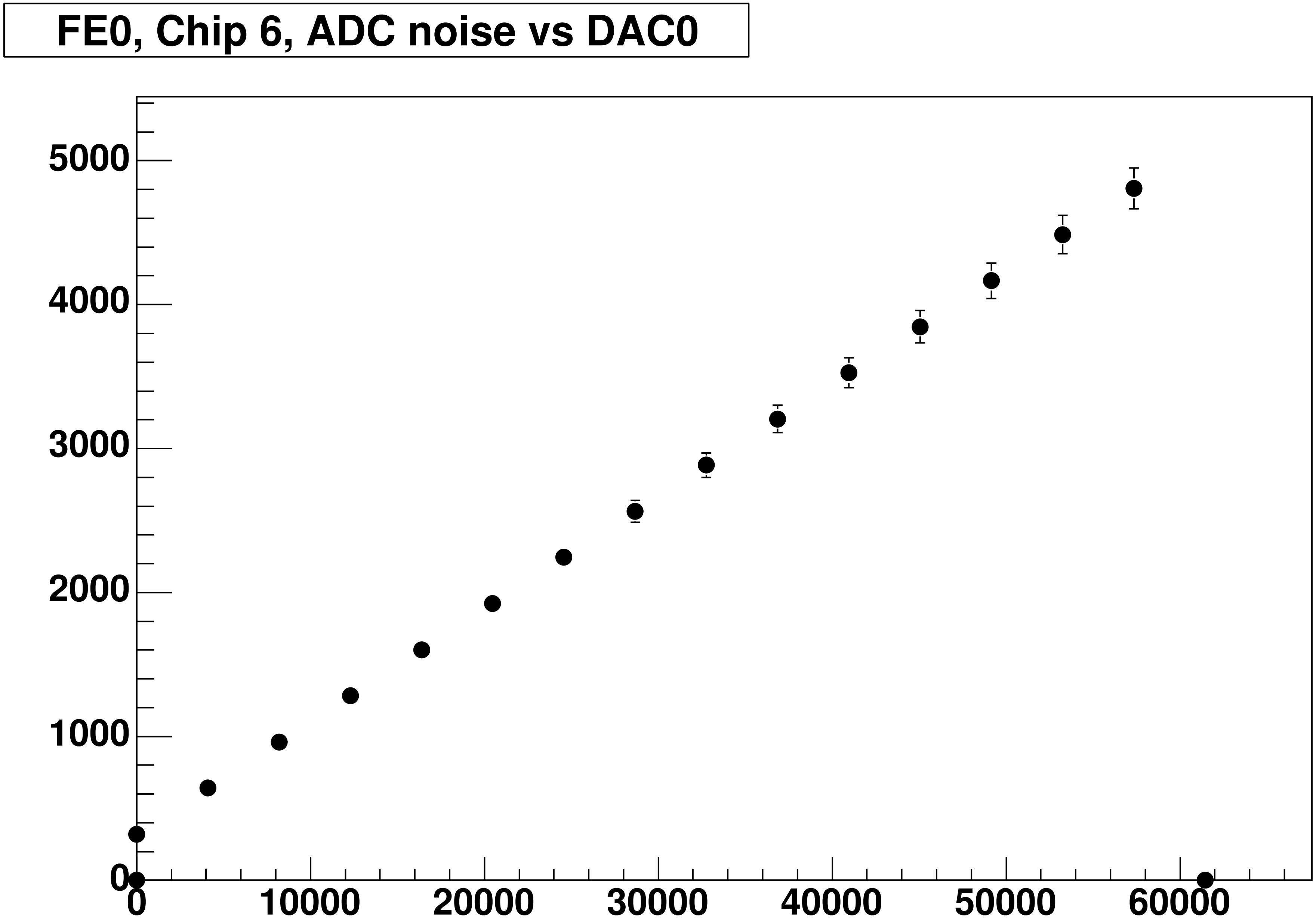
FE0, Chip 5, ADC mean vs DAC1
χ^2 / ndf 9.115e-06 / 11
p0 73.81 ± 30.92
p1 0.01402 ± 0.001589
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

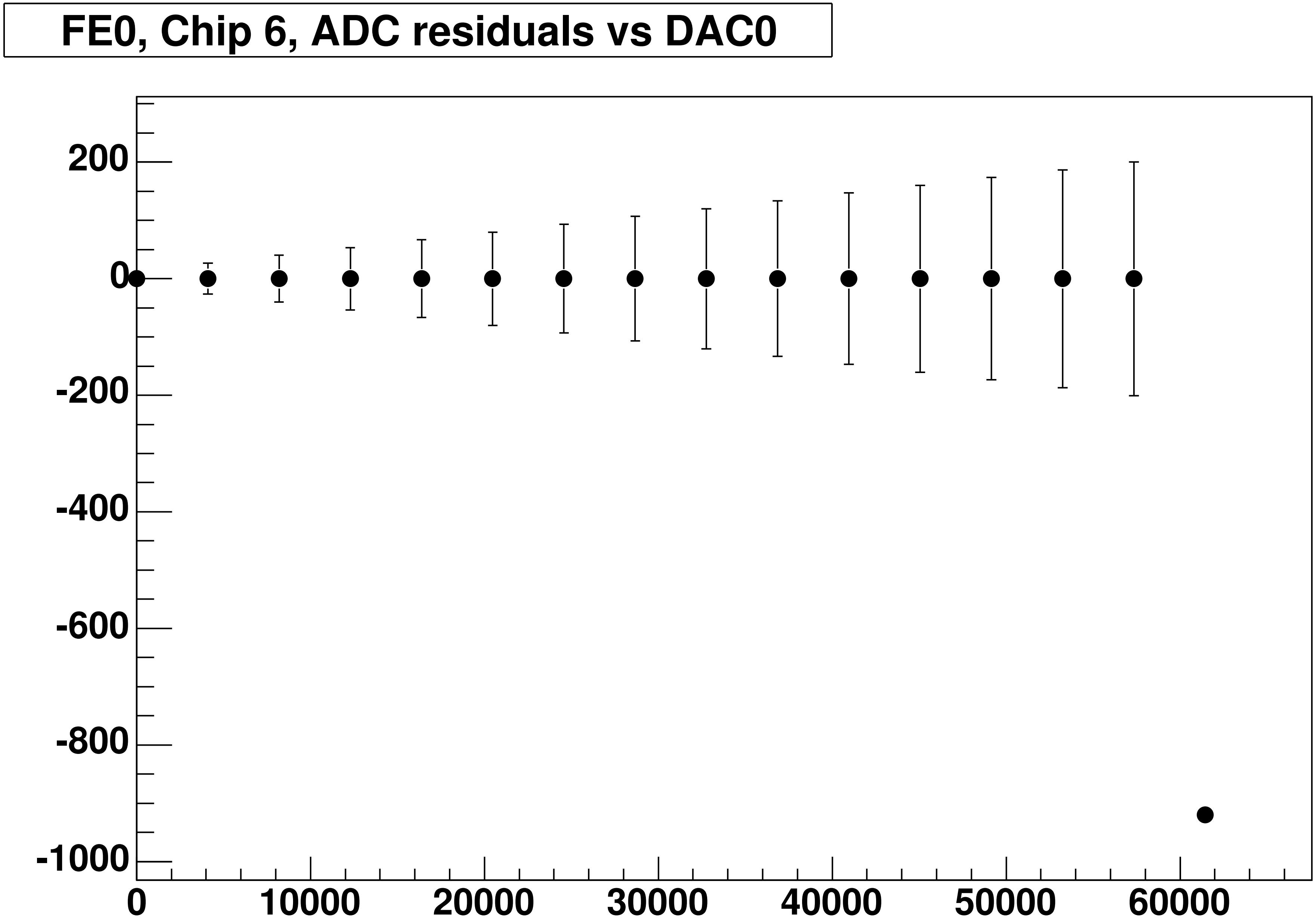

FE0, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

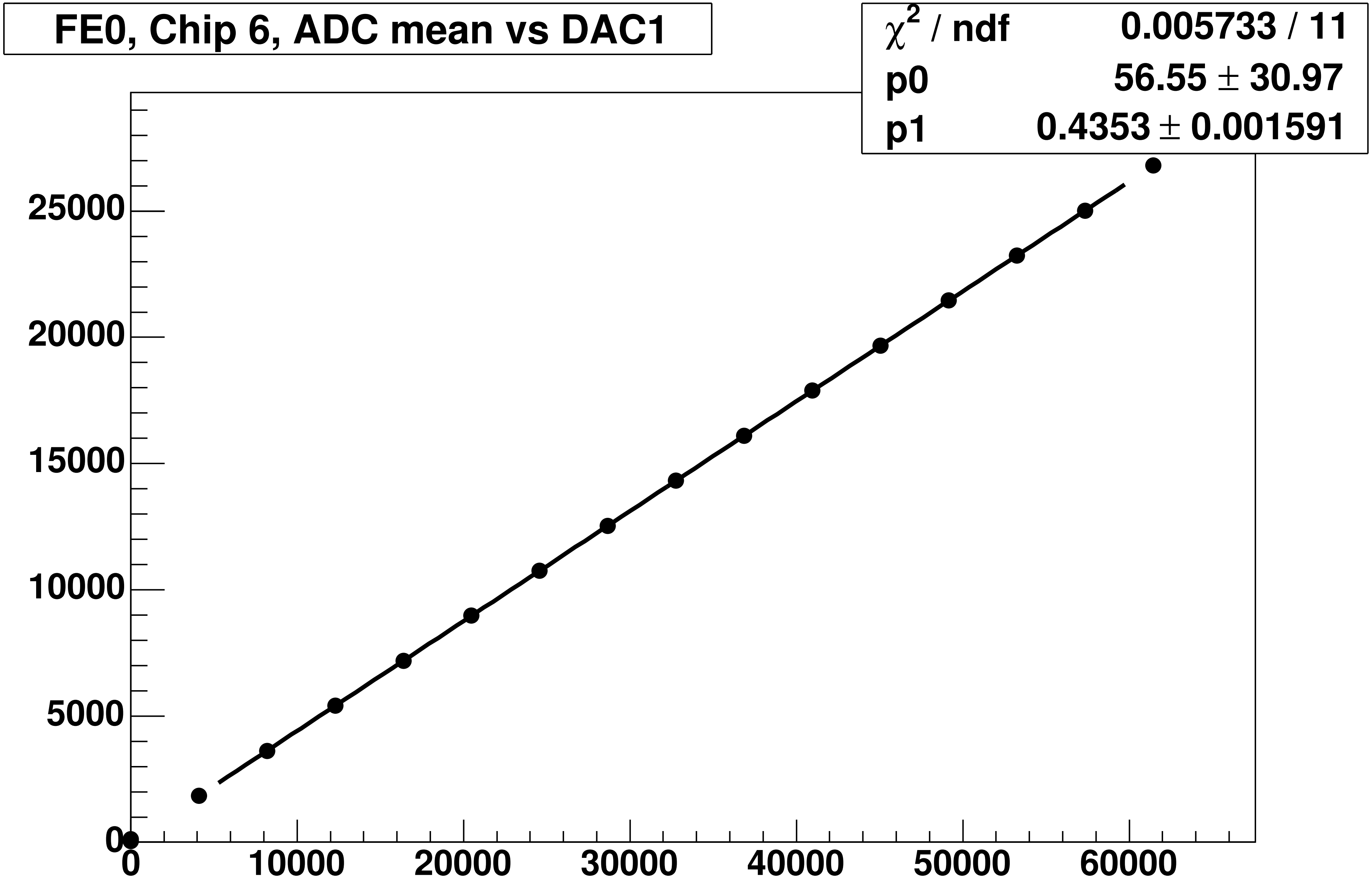

FE0, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



FE0, Chip 6, ADC mean vs DAC0
χ^2 / ndf 3.127e-06 / 11
p0 113.3 ± 41.78
p1 0.01404 ± 0.001884
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

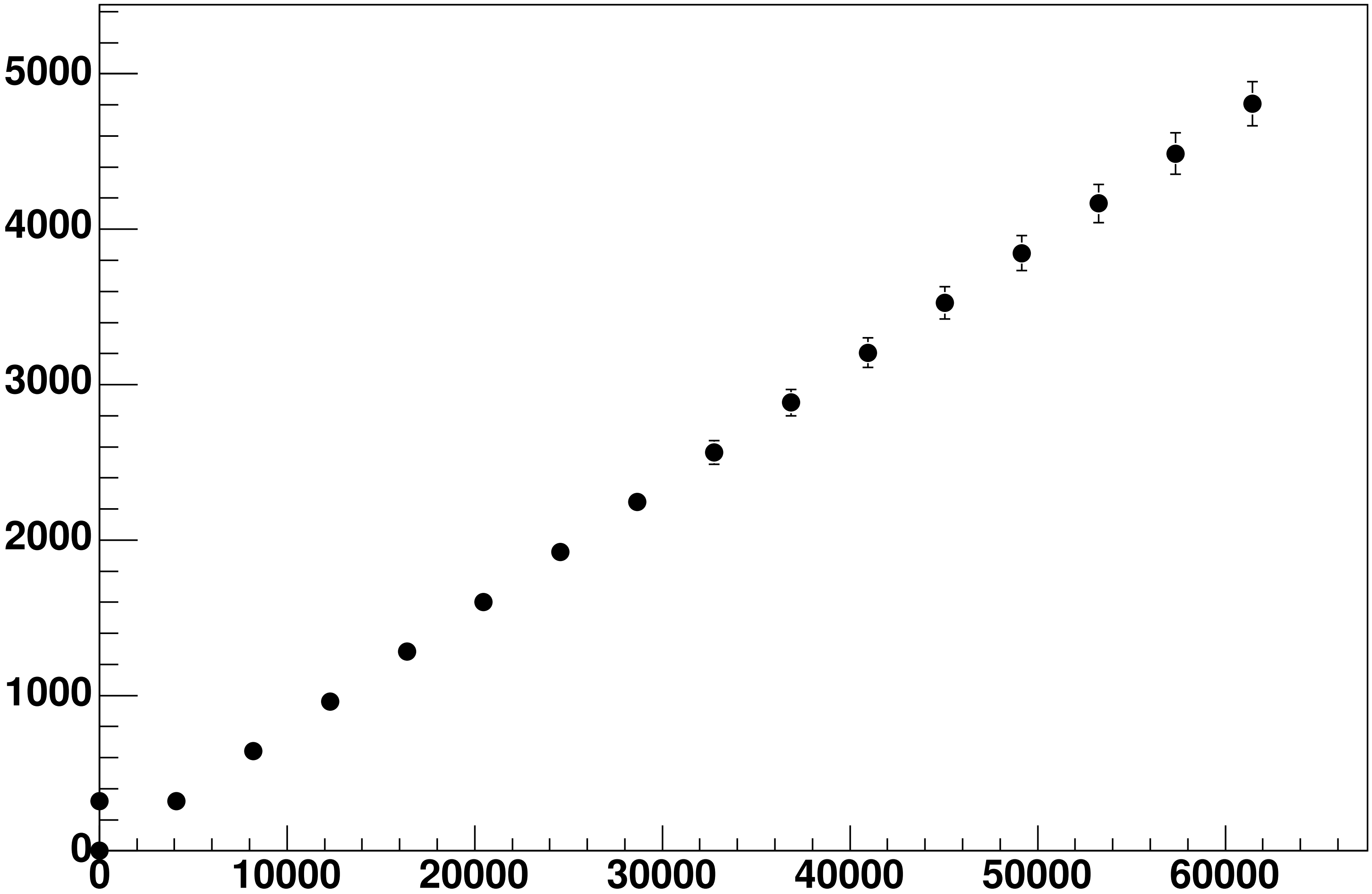

FE0, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

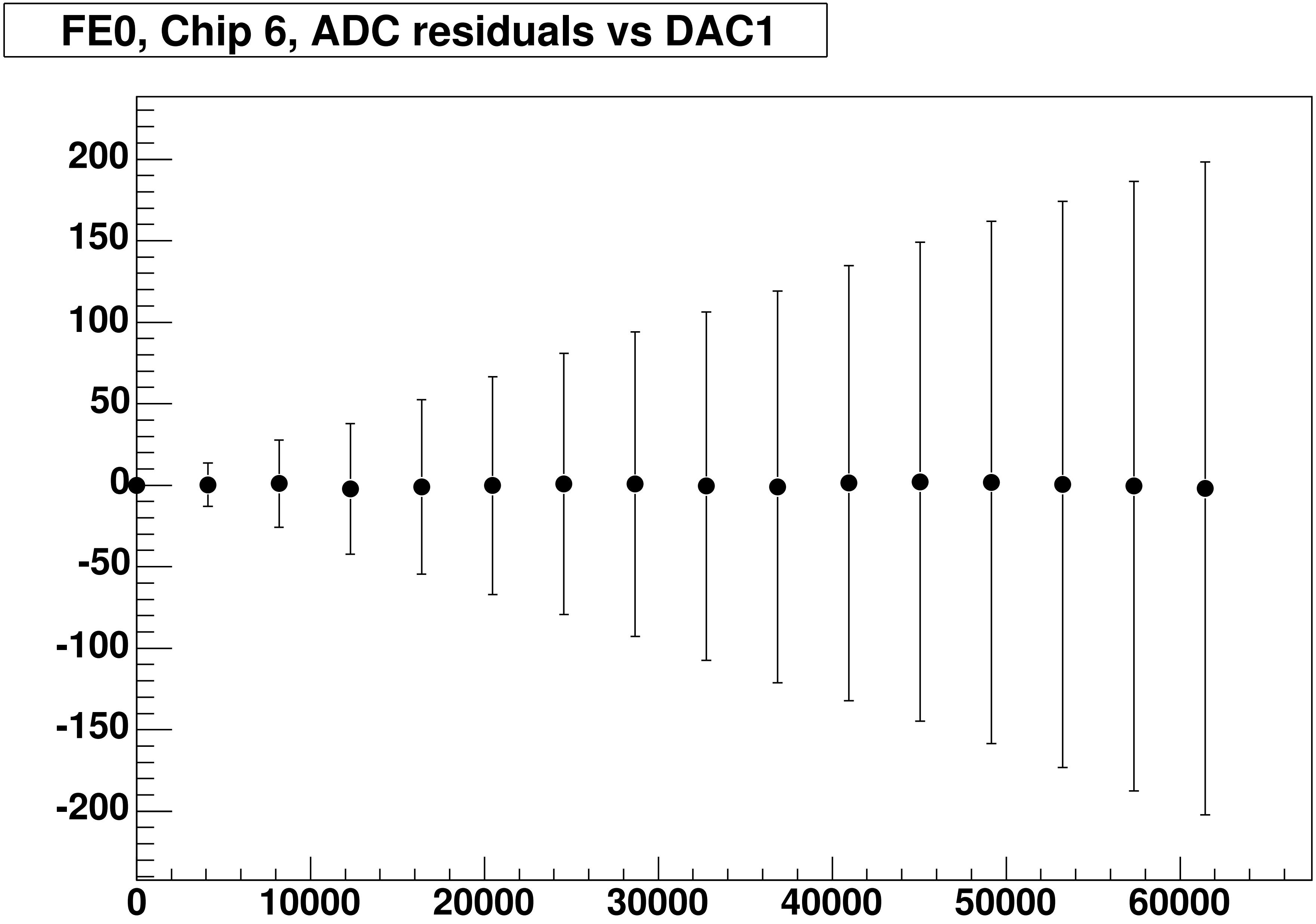

FE0, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

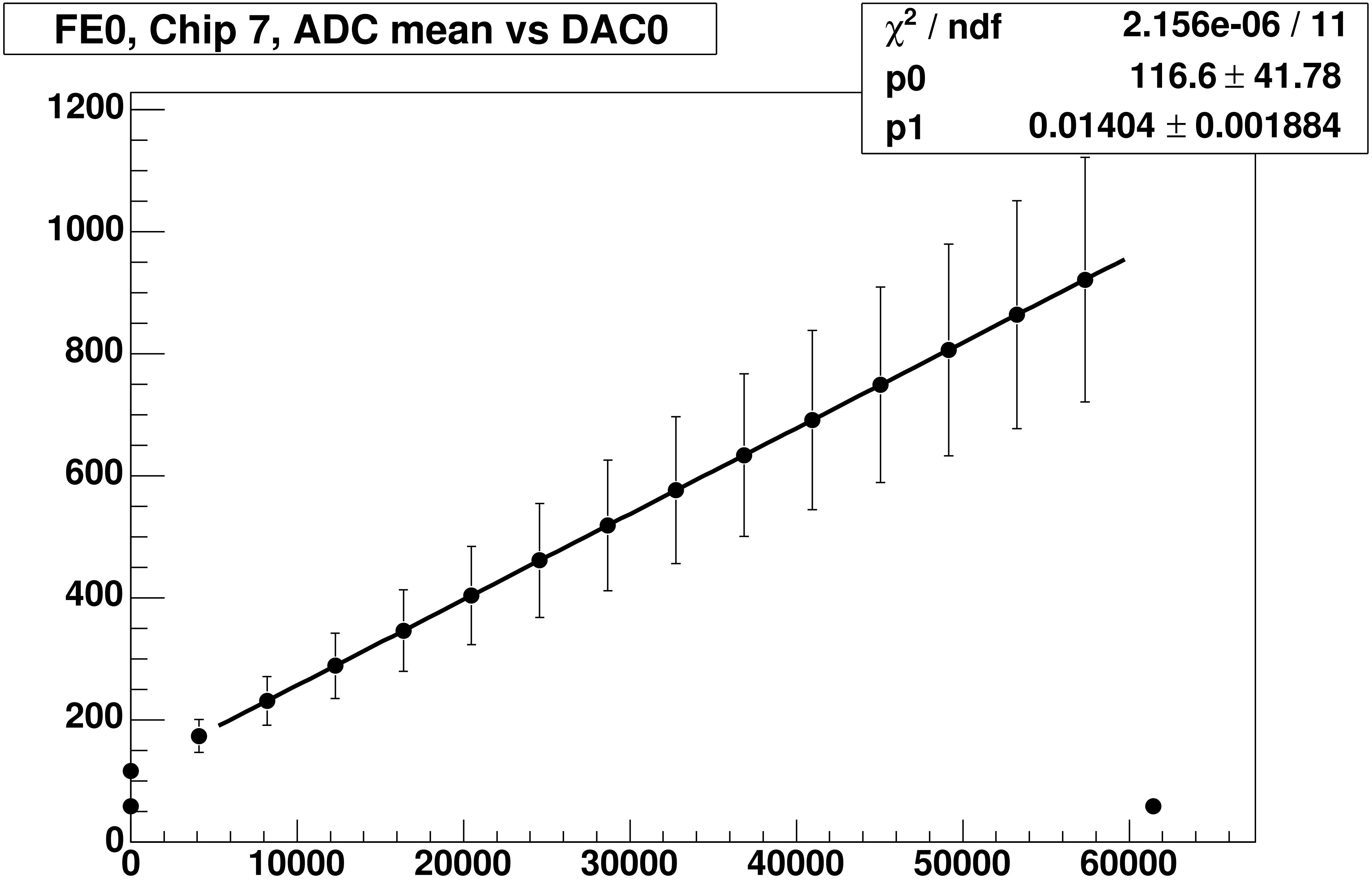


FE0, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.005733 / 11
p0 56.55 ± 30.97
p1 0.4353 ± 0.001591
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

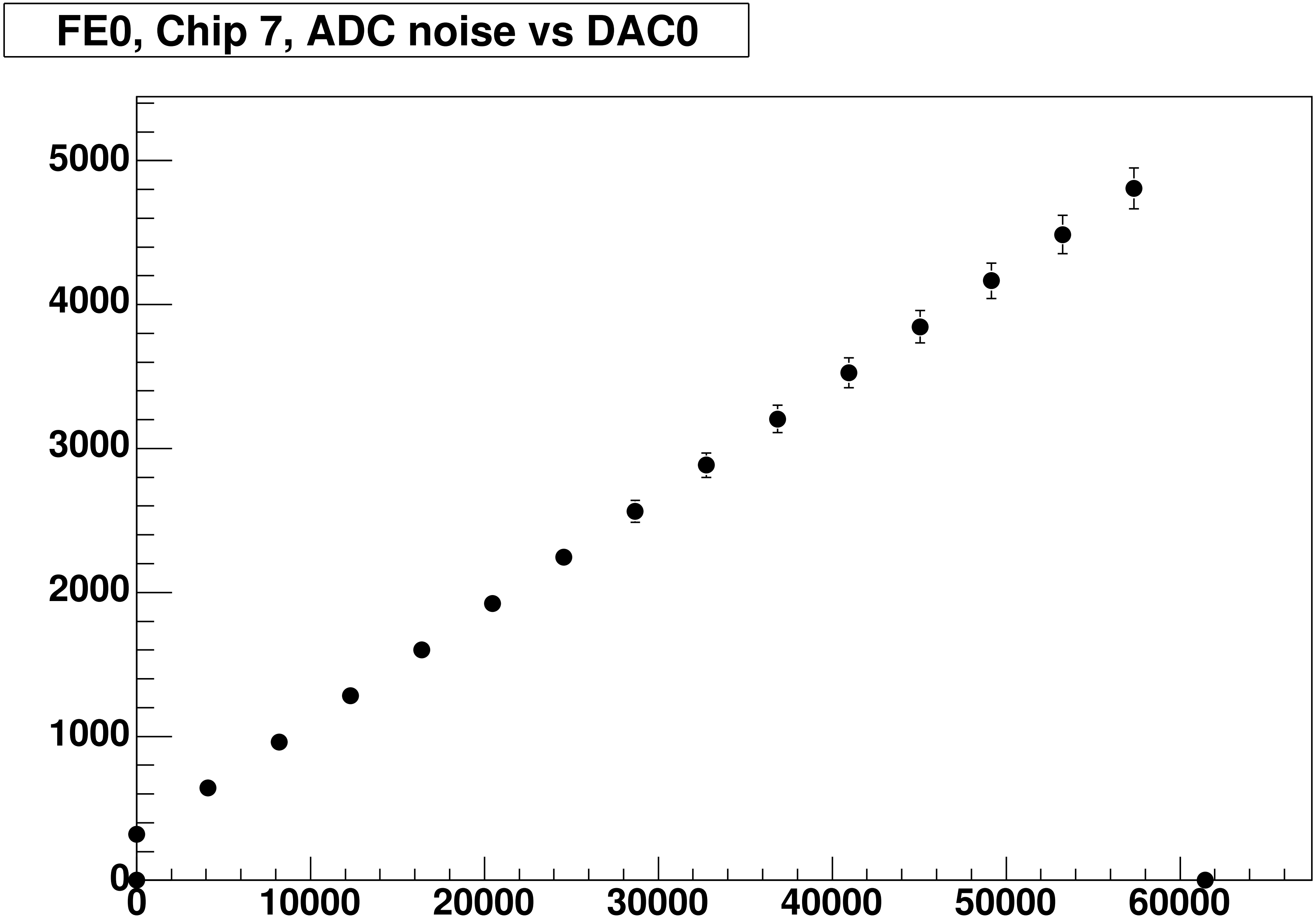
FE0, Chip 6, ADC noise vs DAC1



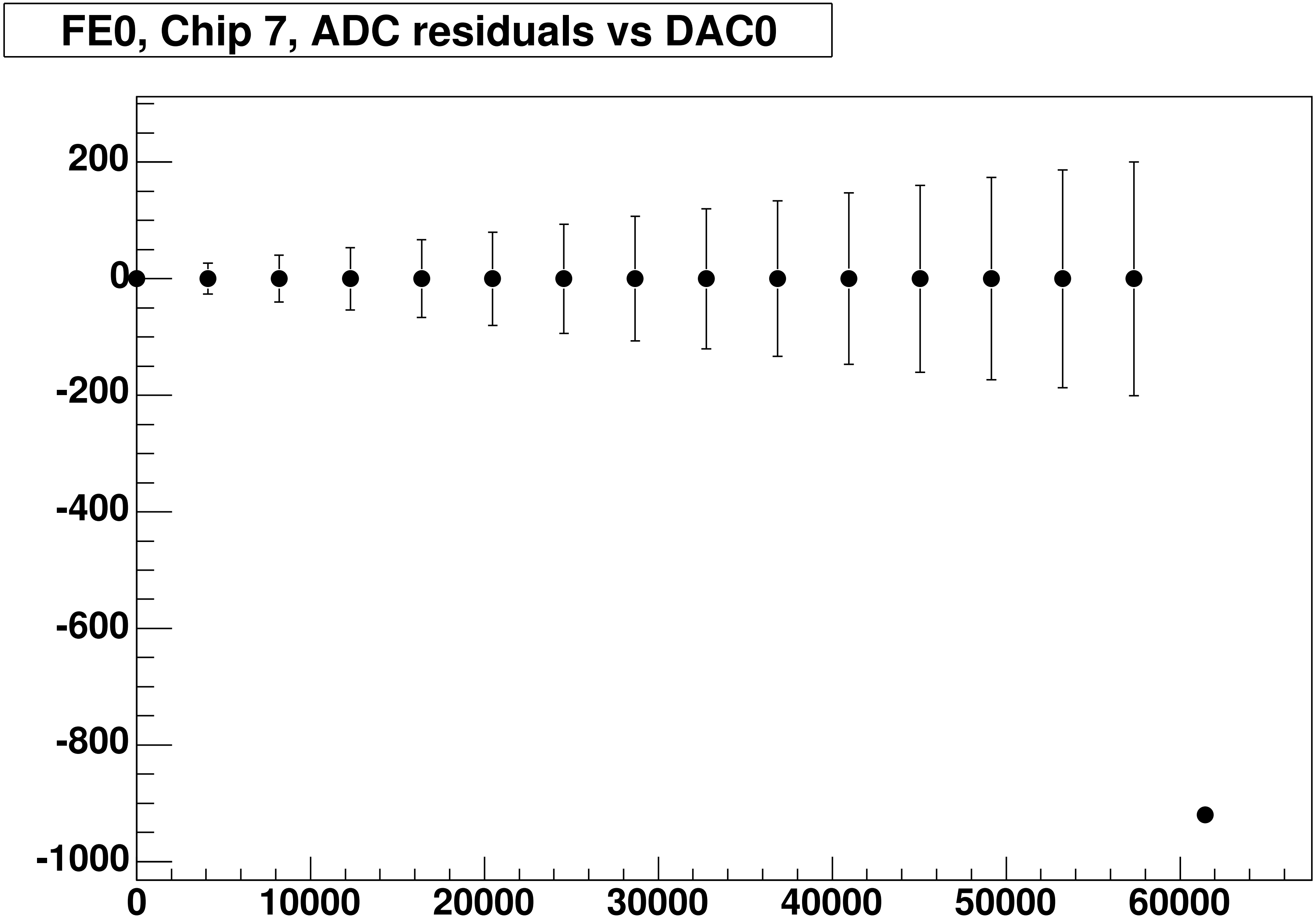

FE0, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

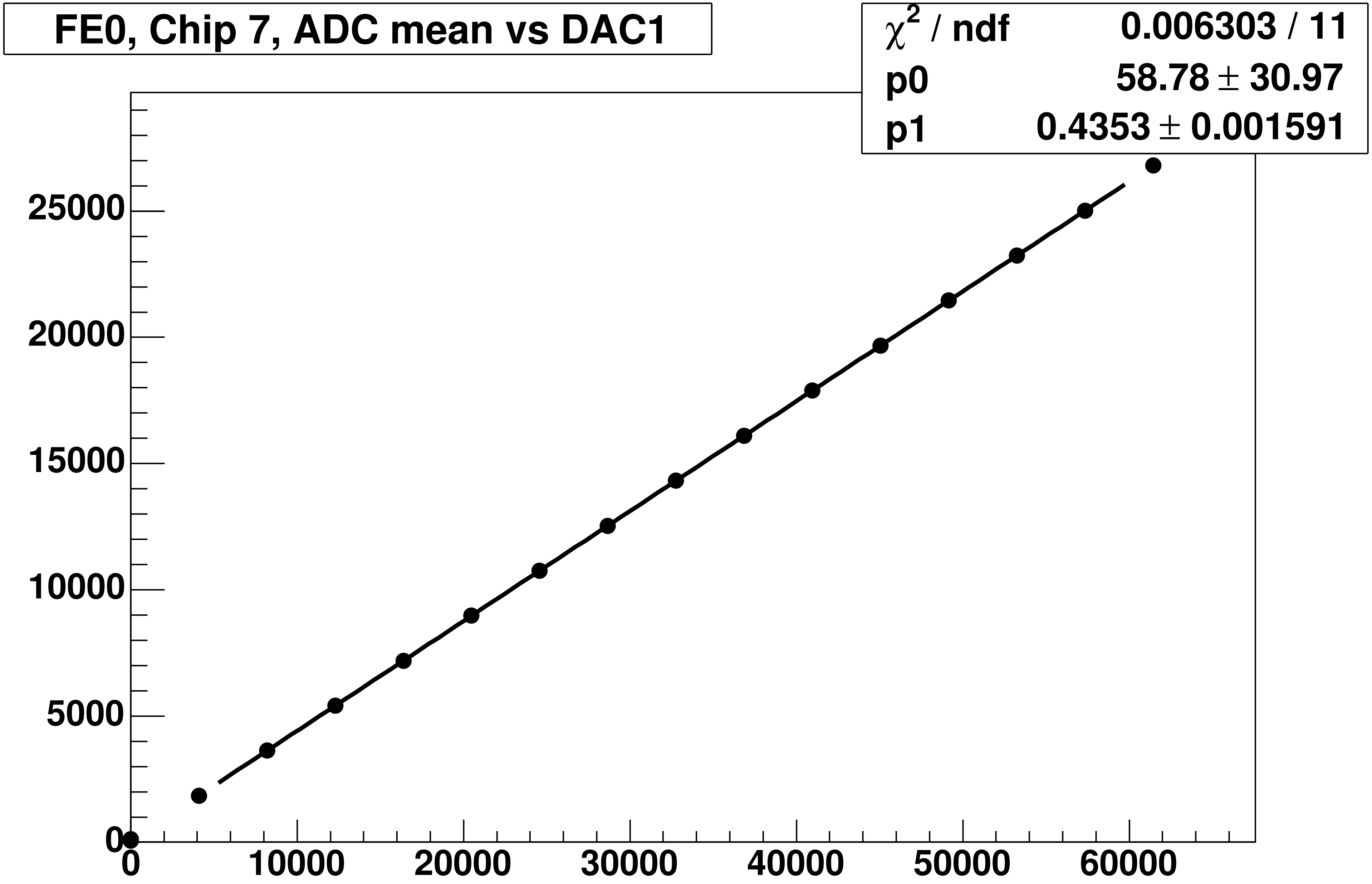


FE0, Chip 7, ADC mean vs DAC0
χ^2 / ndf 2.156e-06 / 11
p0 116.6 ± 41.78
p1 0.01404 ± 0.001884
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

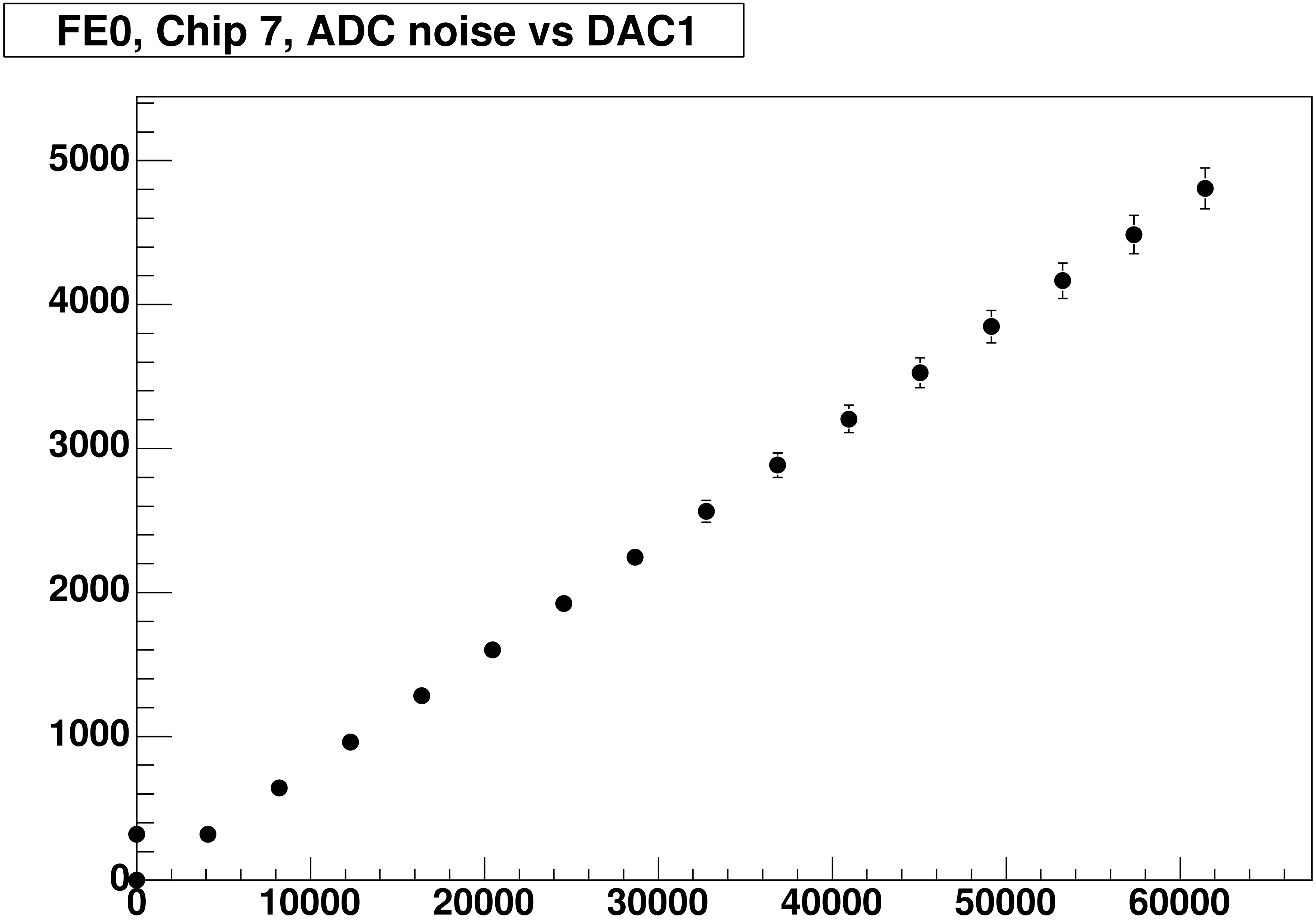


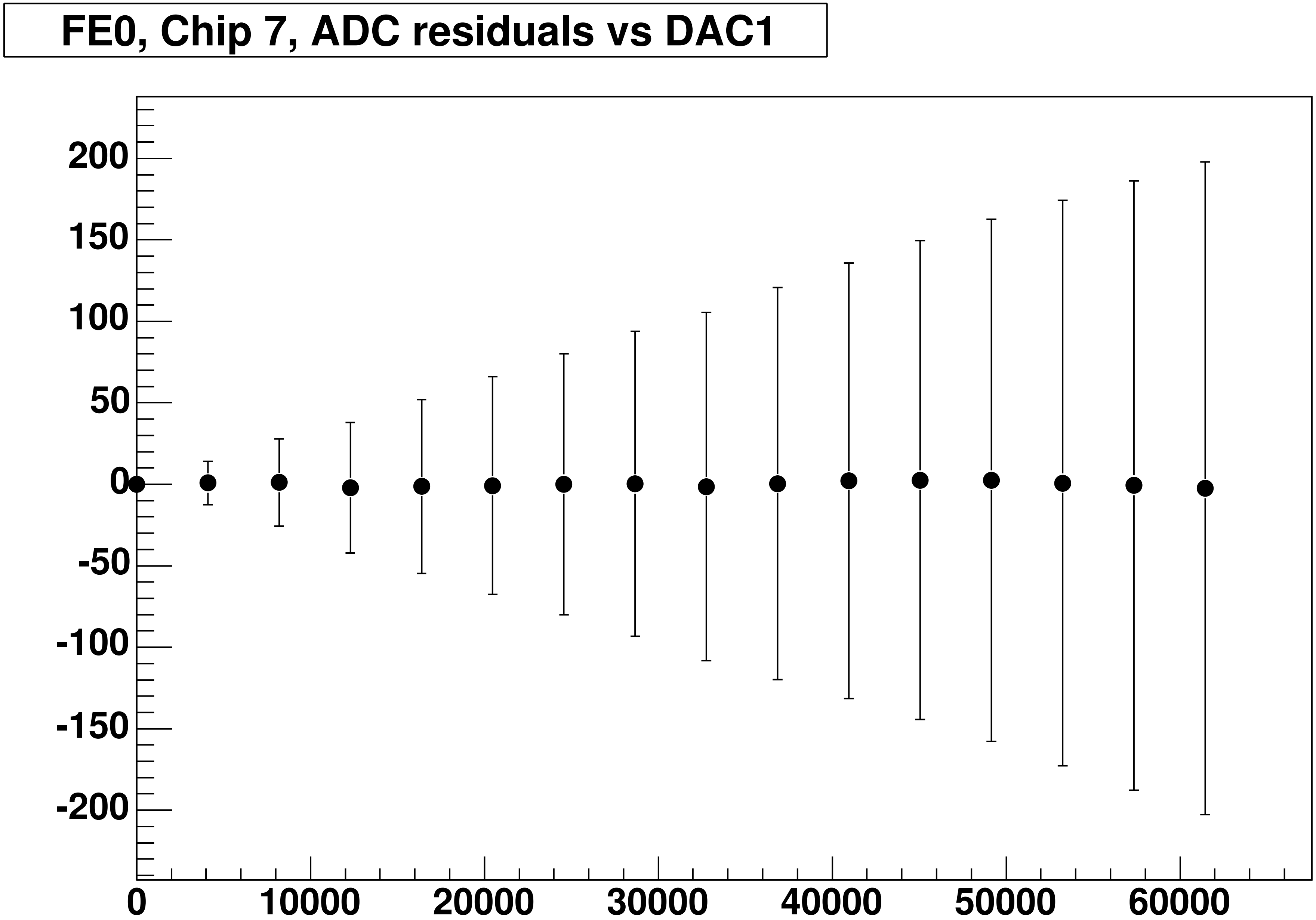
FE0, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

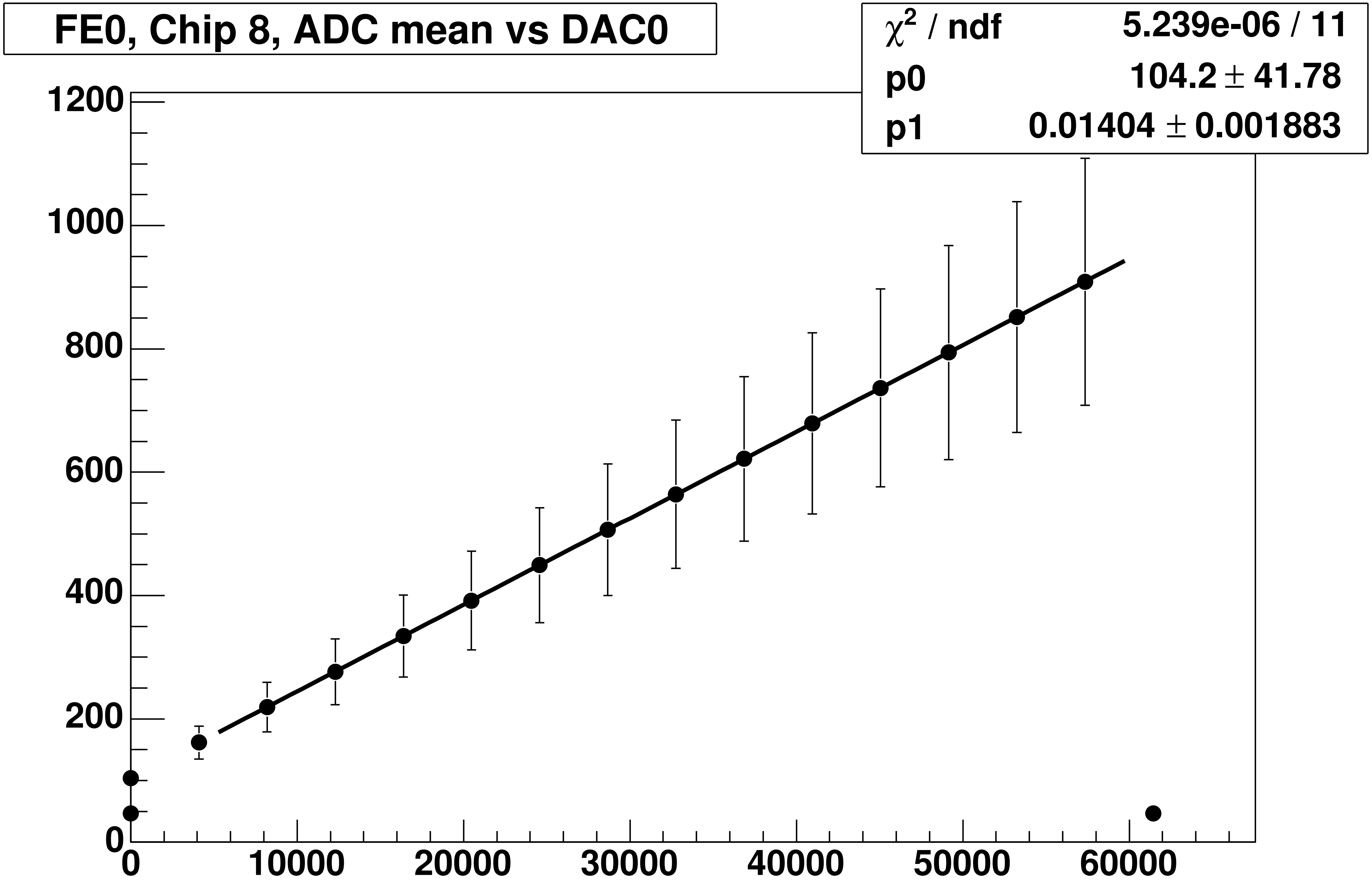

FE0, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



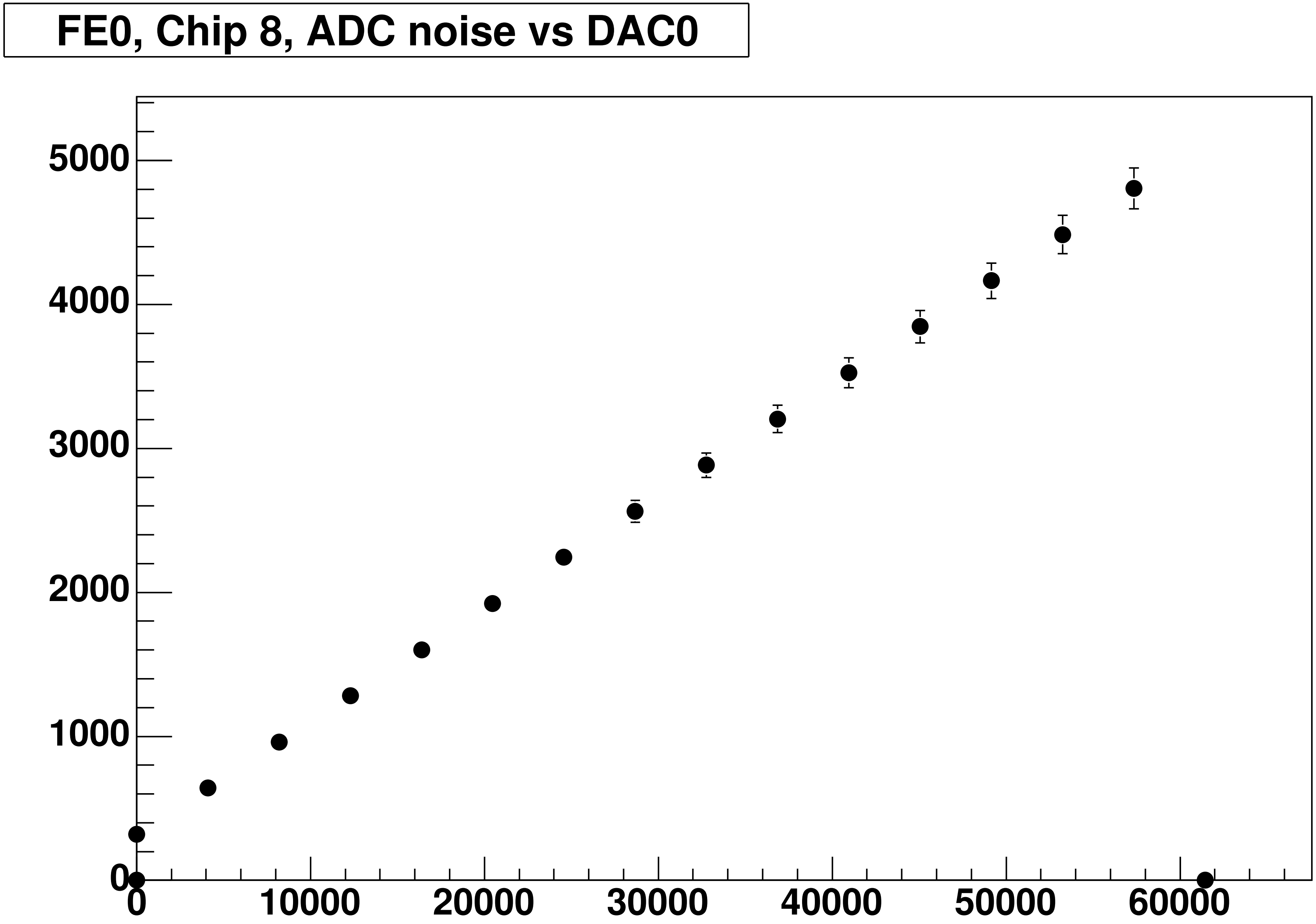
FE0, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.006303 / 11
p0 58.78 ± 30.97
p1 0.4353 ± 0.001591
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

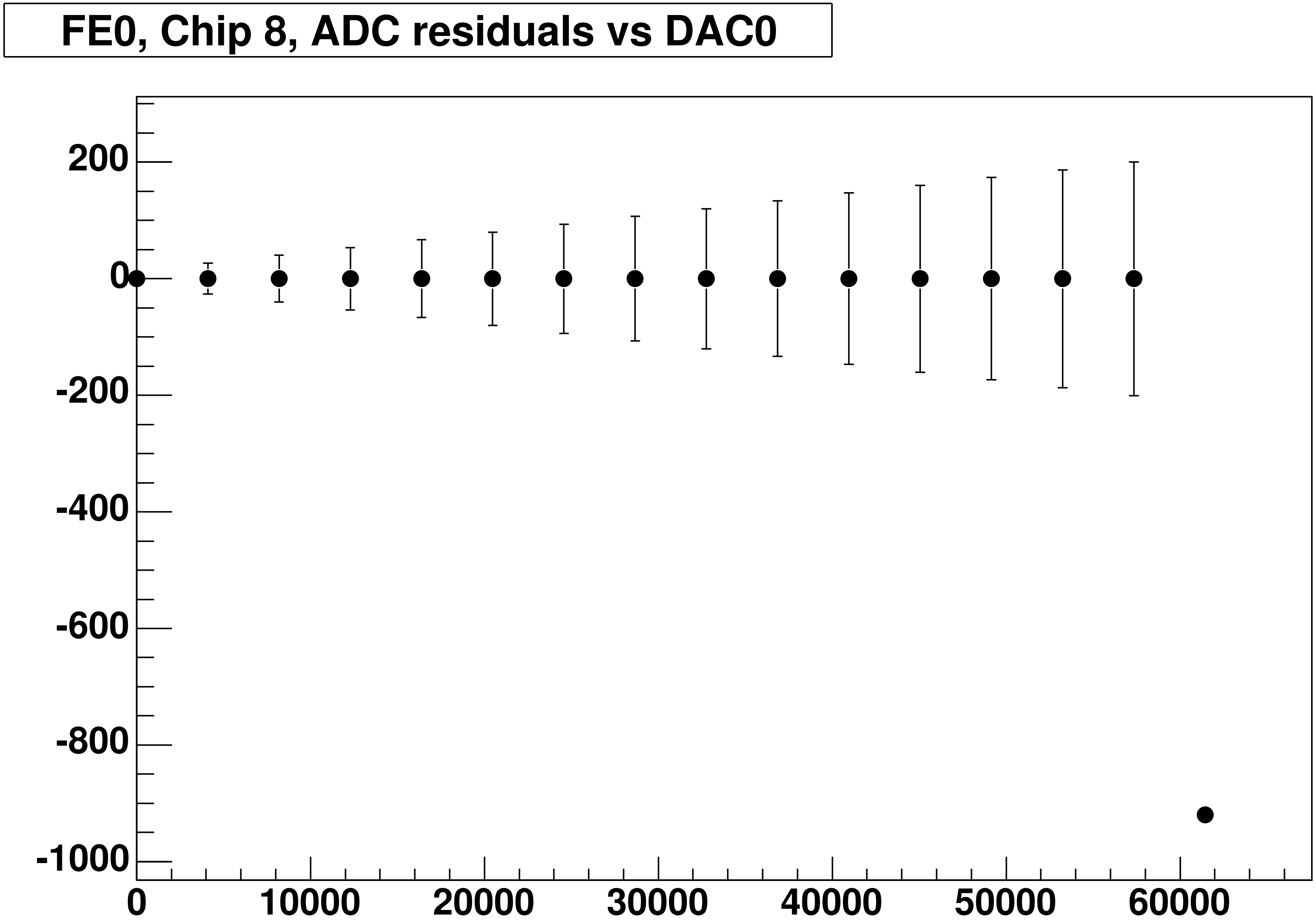

FE0, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

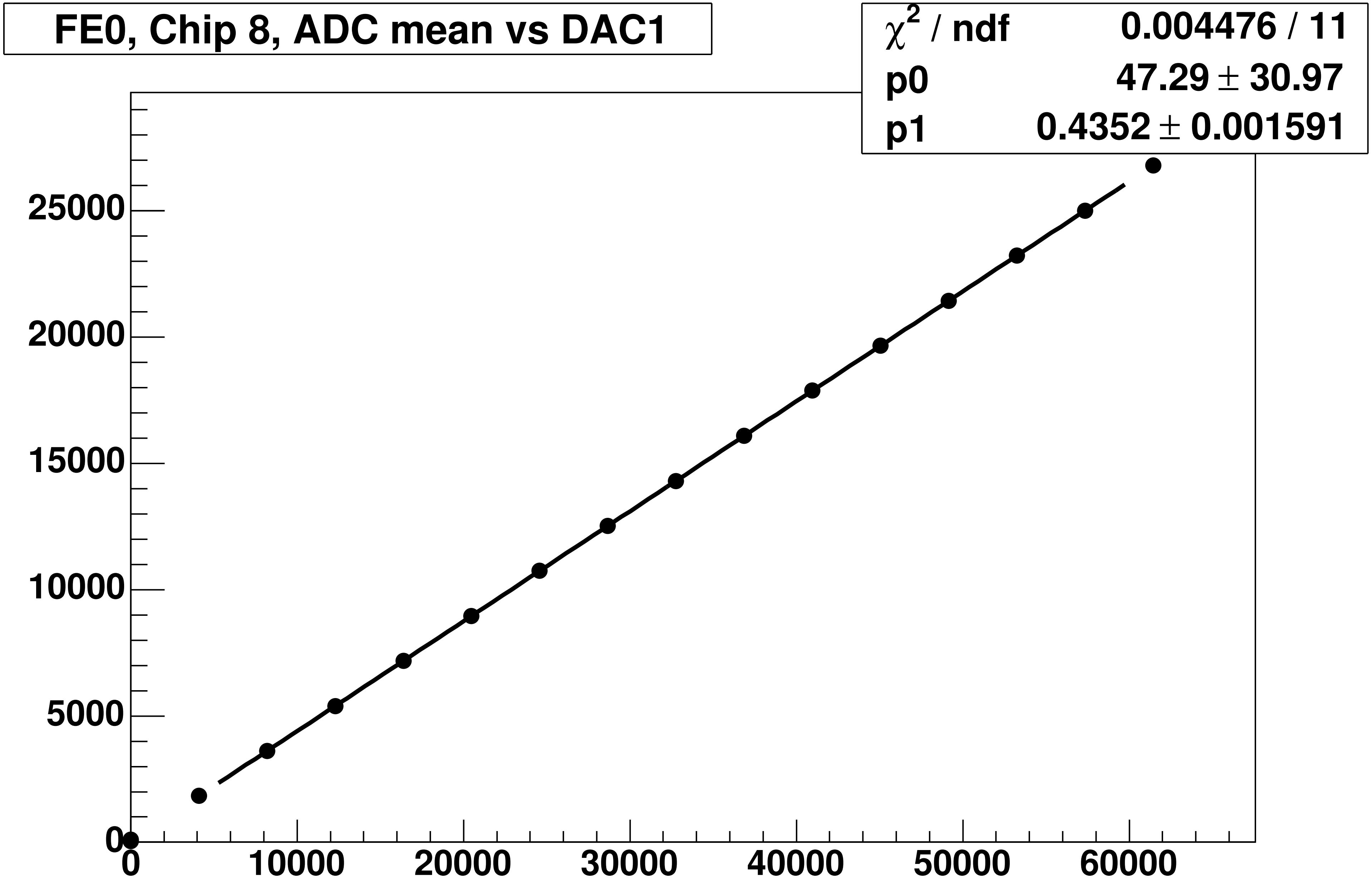

FE0, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



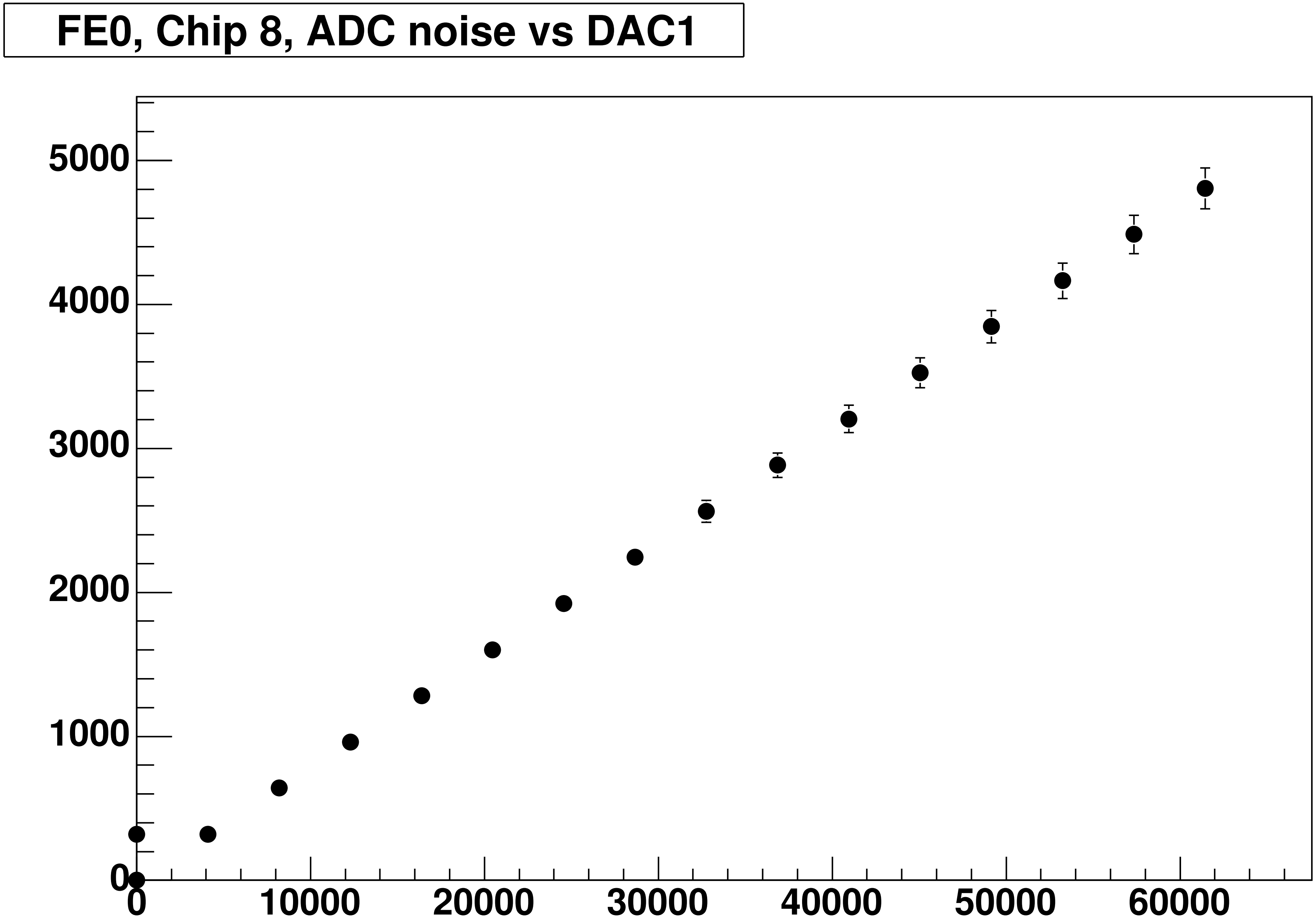
FE0, Chip 8, ADC mean vs DAC0
χ^2 / ndf 5.239e-06 / 11
p0 104.2 ± 41.78
p1 0.01404 ± 0.001883
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

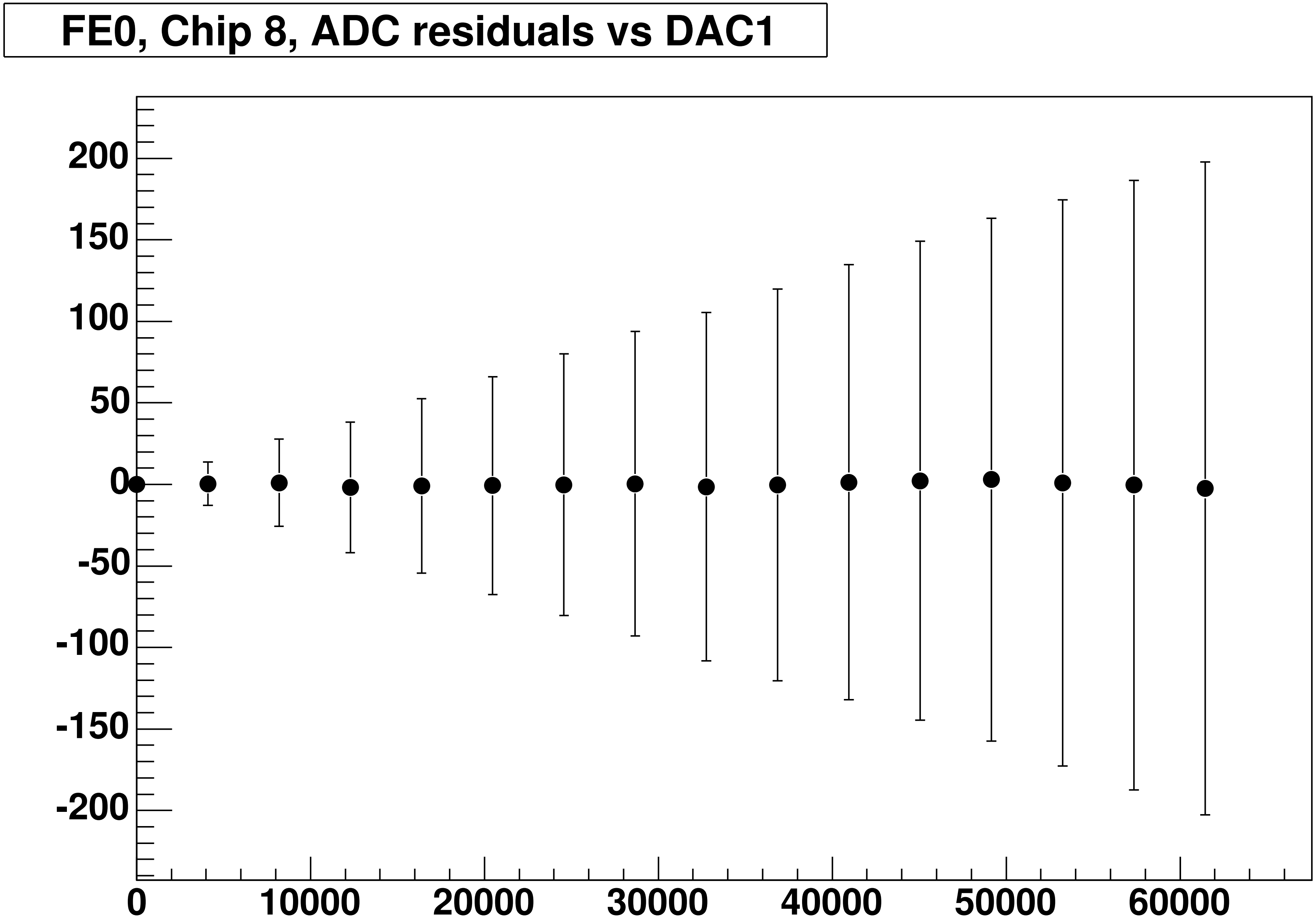

FE0, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

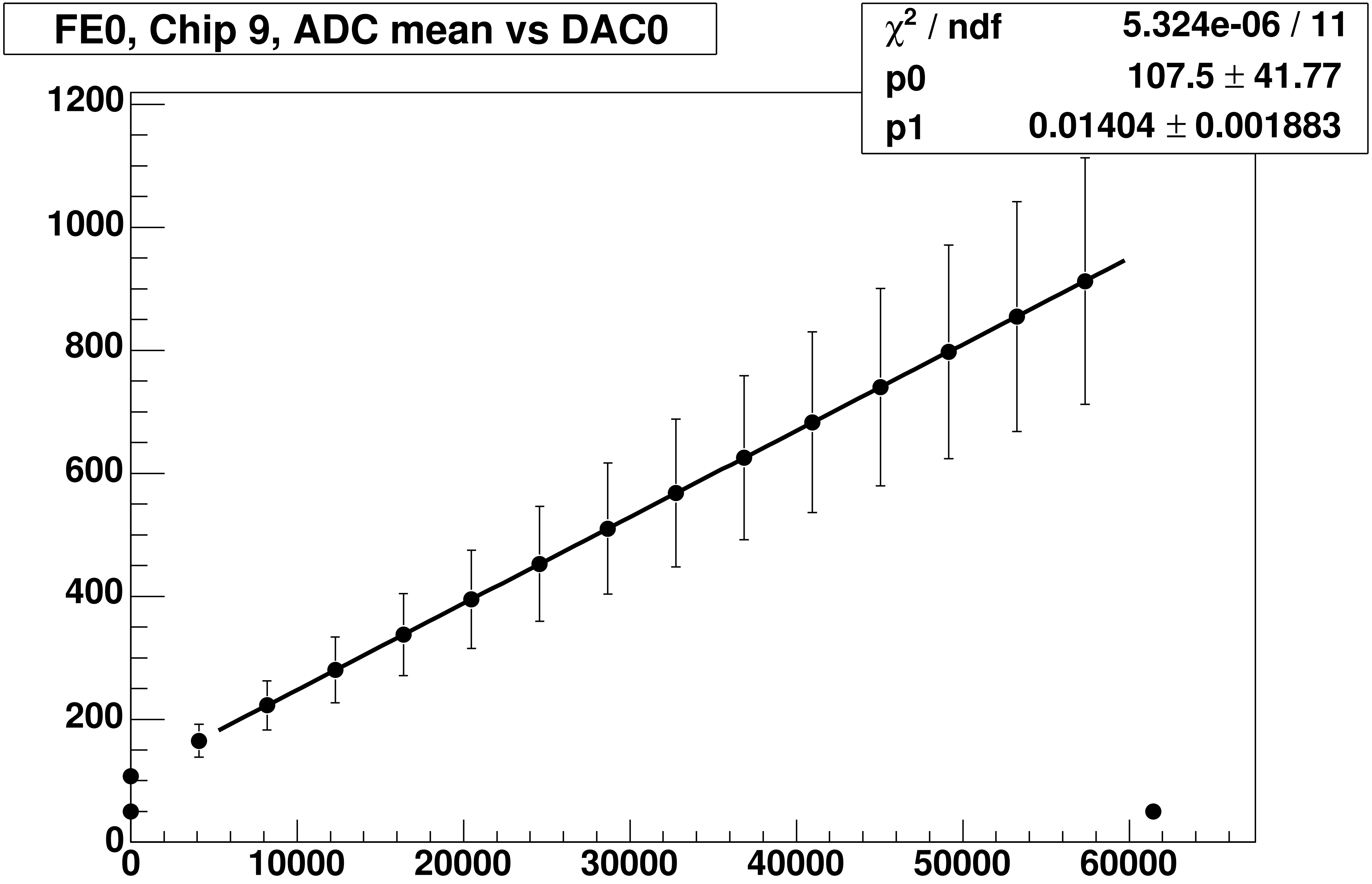

FE0, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

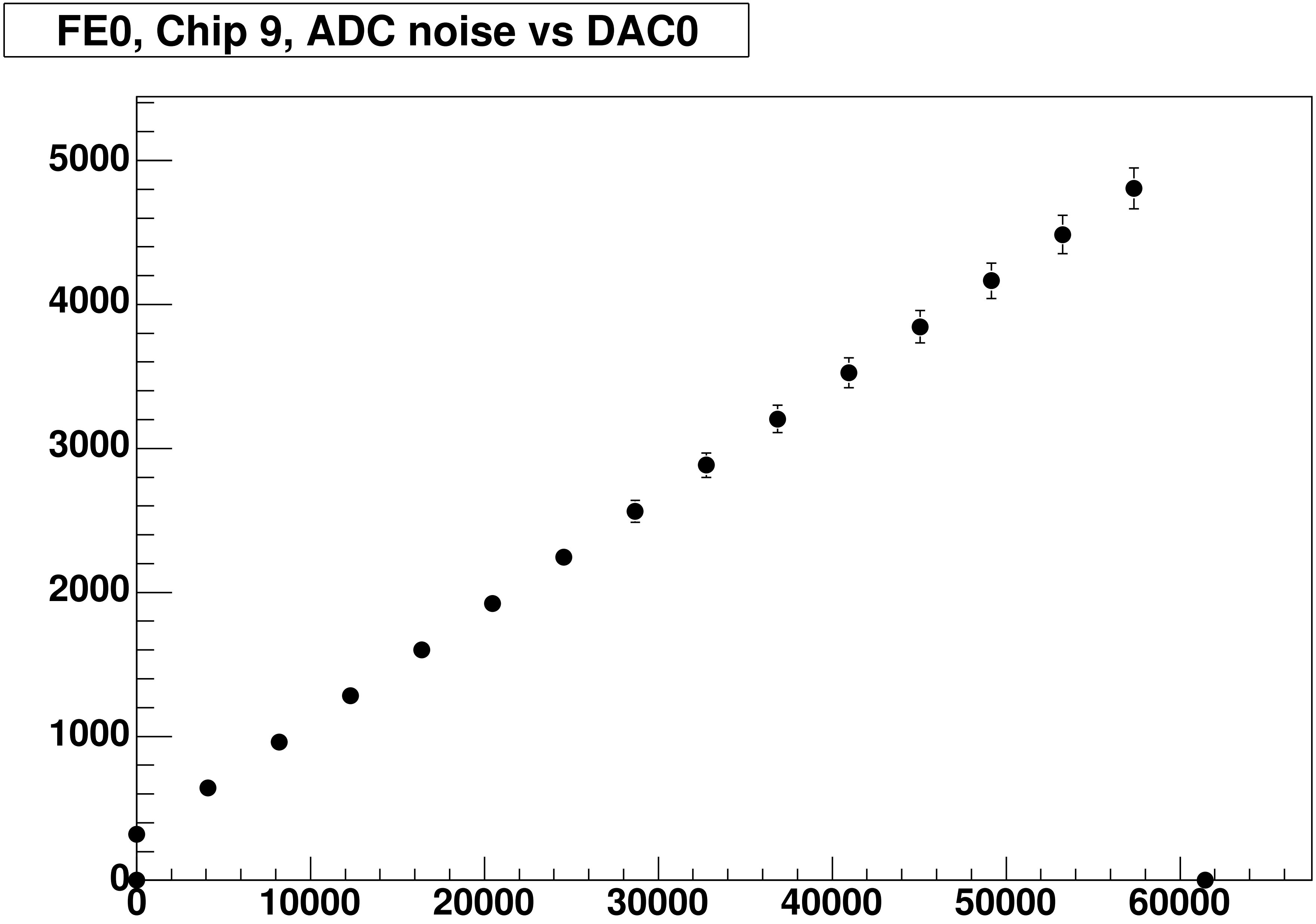


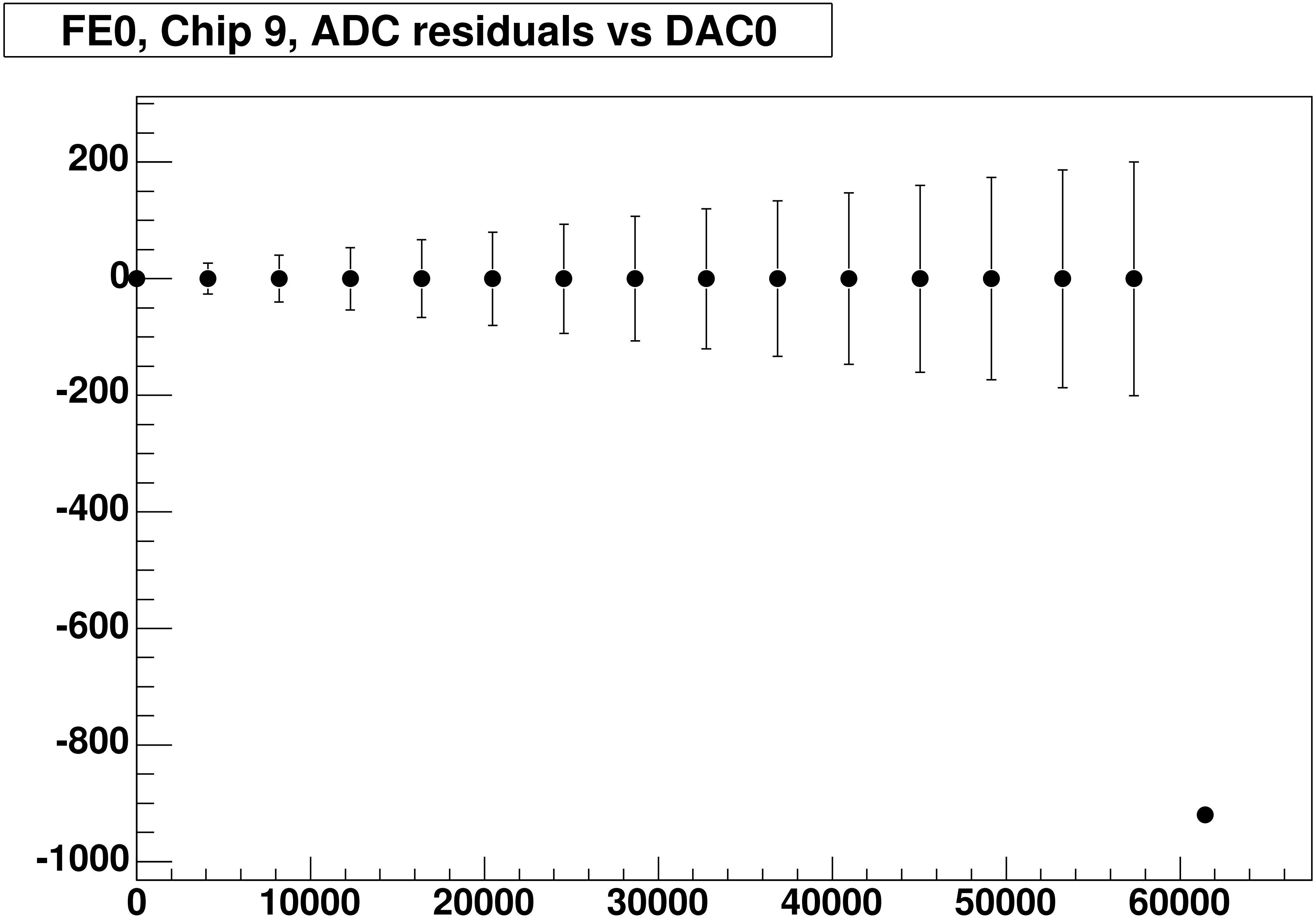
FE0, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.004476 / 11
p0 47.29 ± 30.97
p1 0.4352 ± 0.001591
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

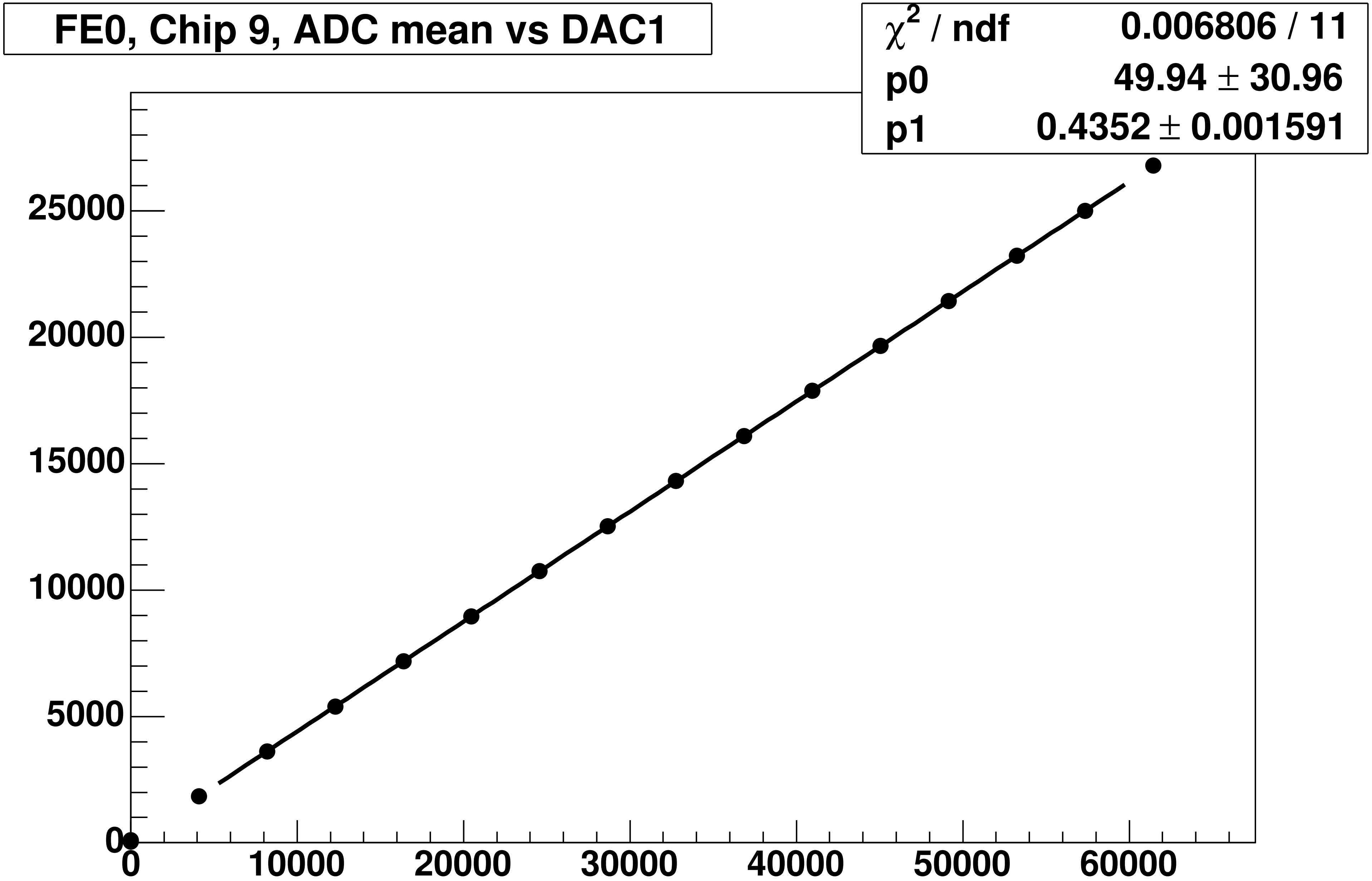

FE0, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE0, Chip 9, ADC mean vs DAC0
χ^2 / ndf 5.324e-06 / 11
p0 107.5 ± 41.77
p1 0.01404 ± 0.001883
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

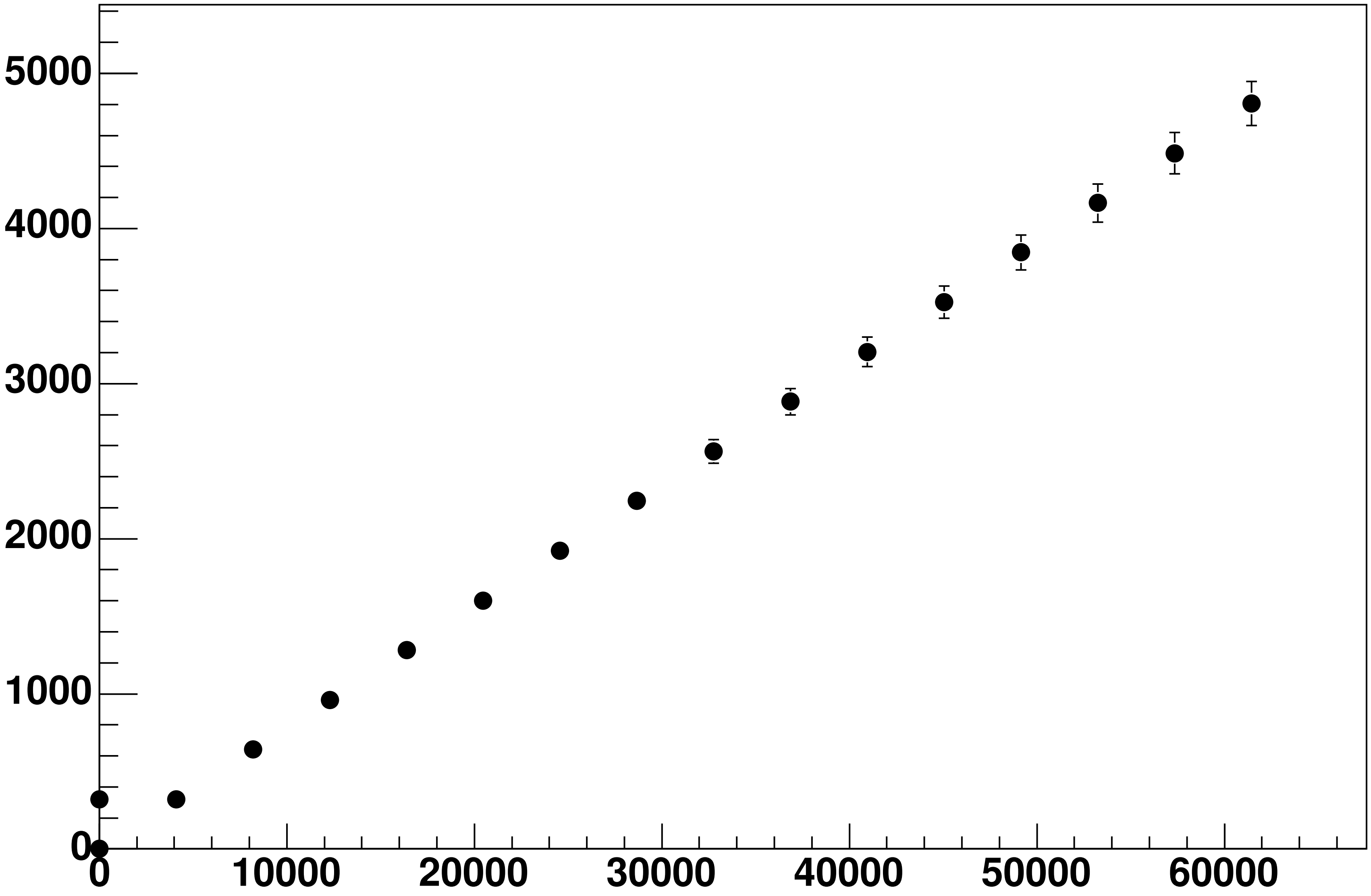

FE0, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

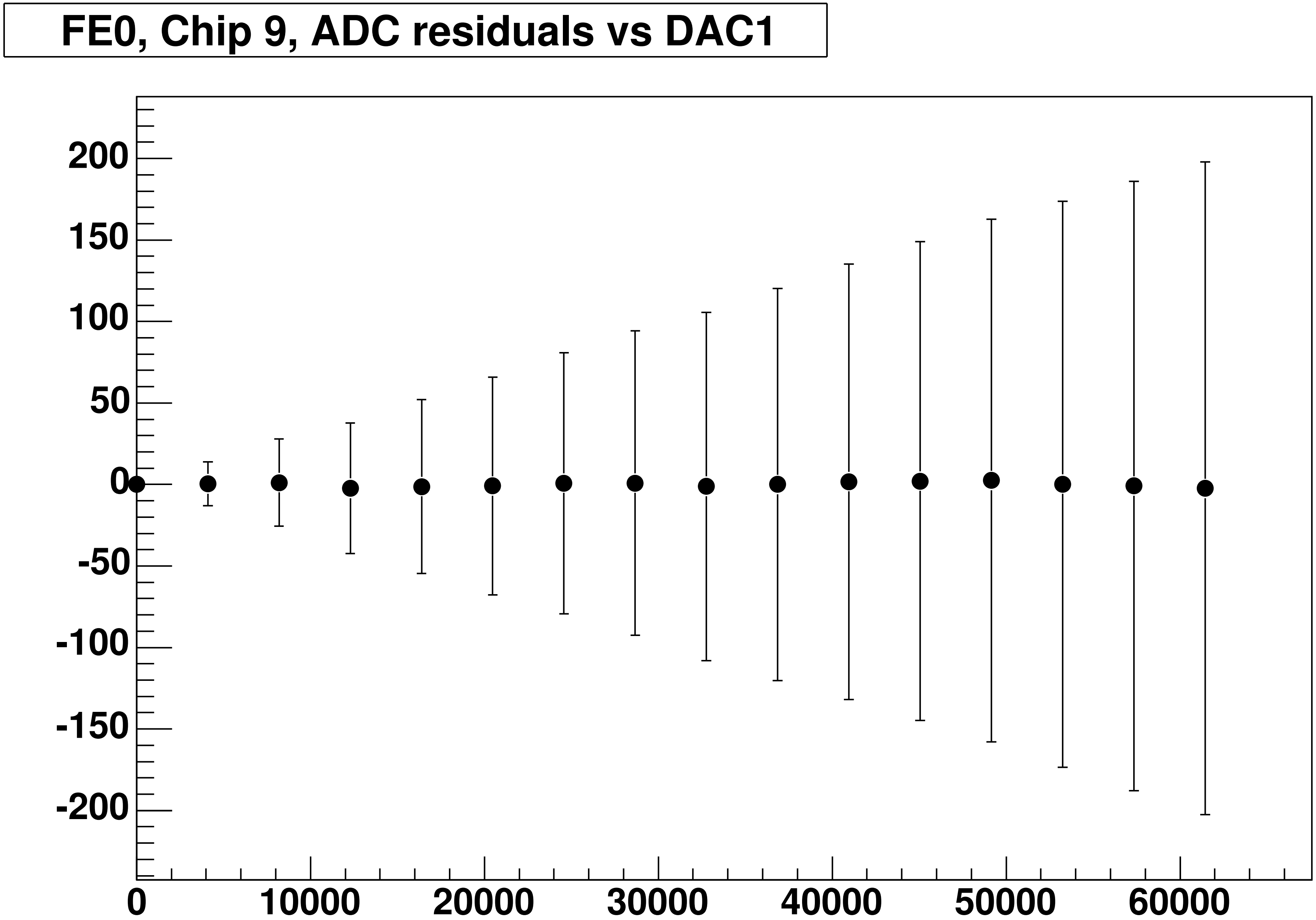

FE0, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

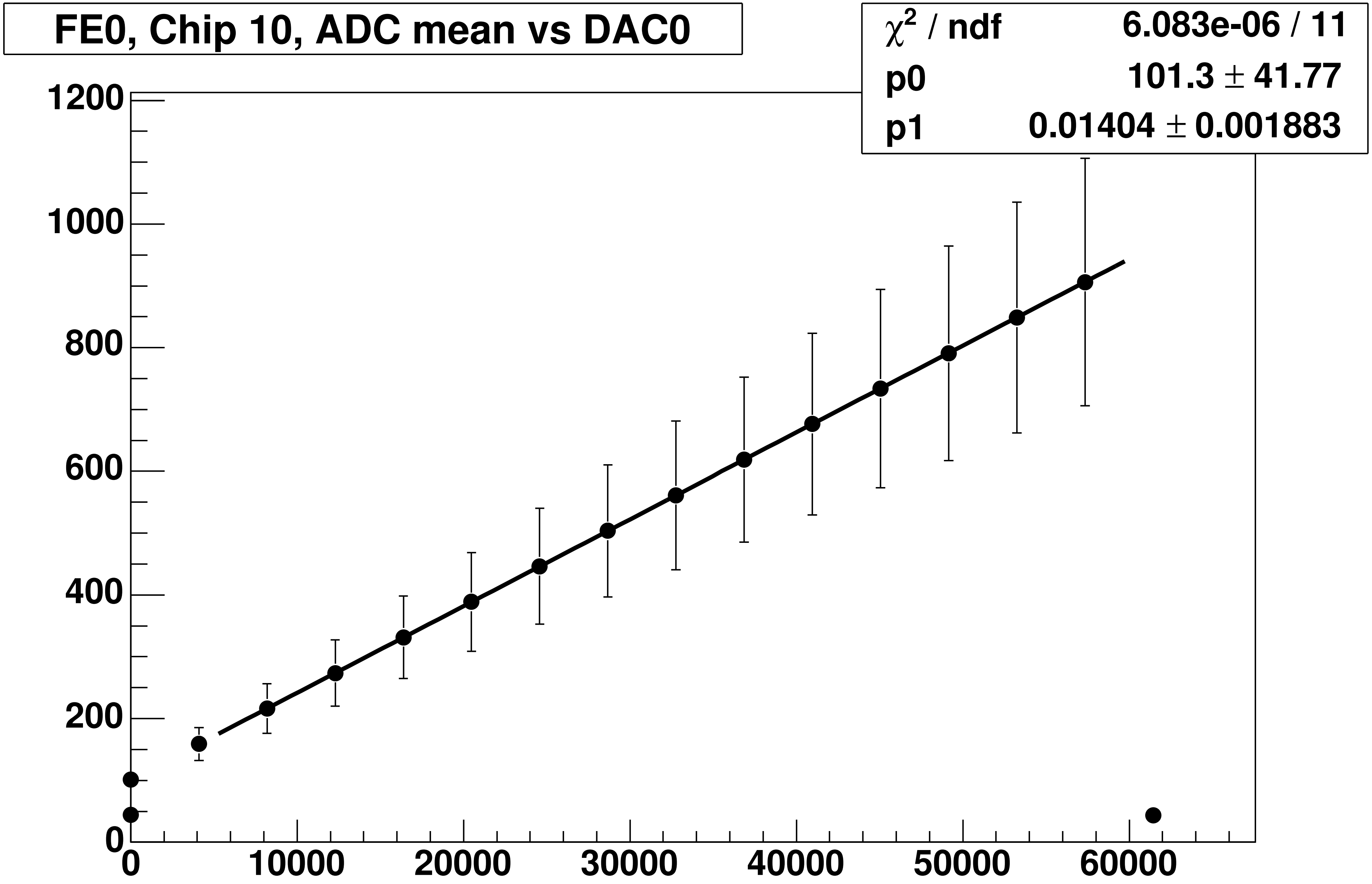


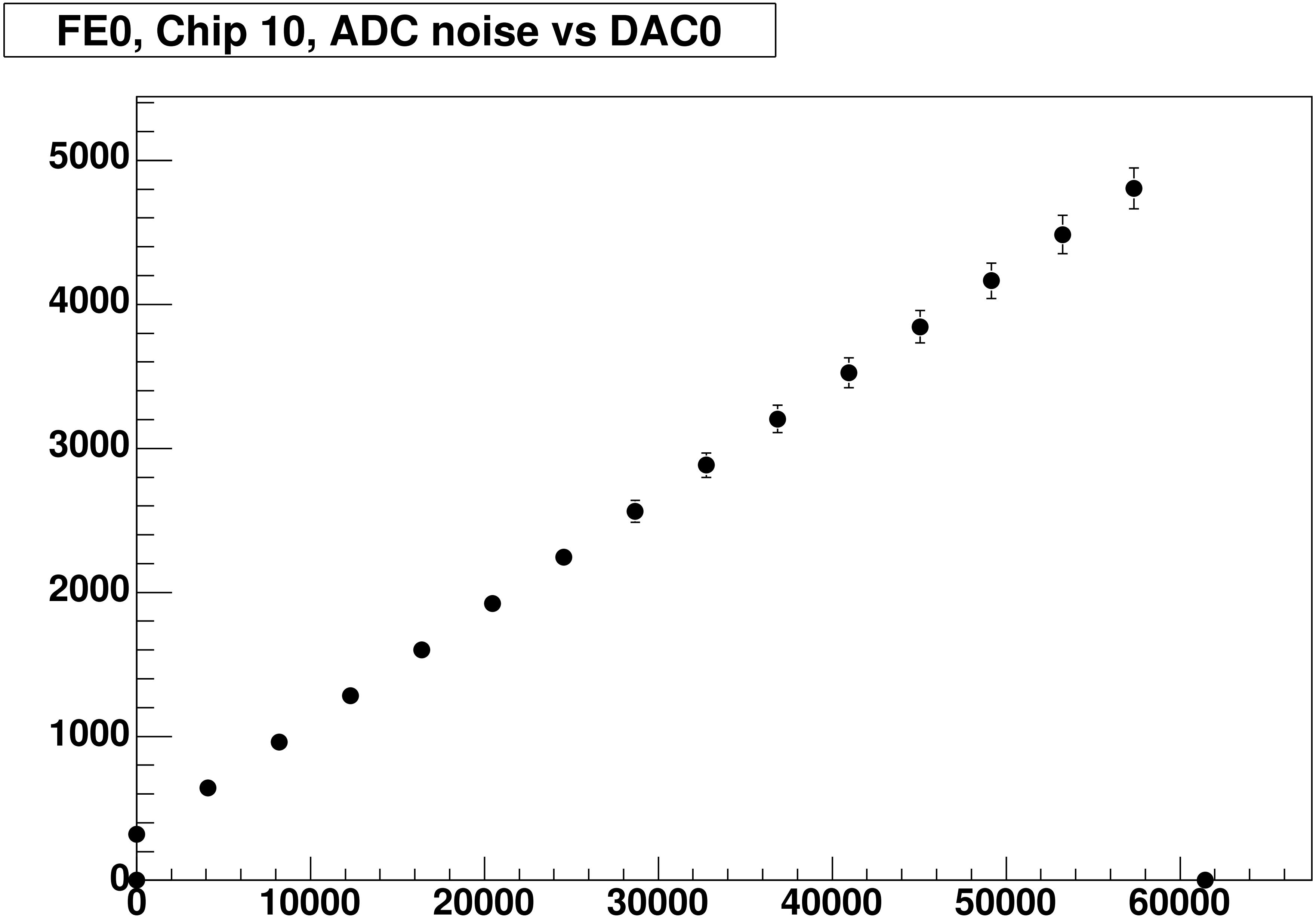
FE0, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.006806 / 11
p0 49.94 ± 30.96
p1 0.4352 ± 0.001591
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

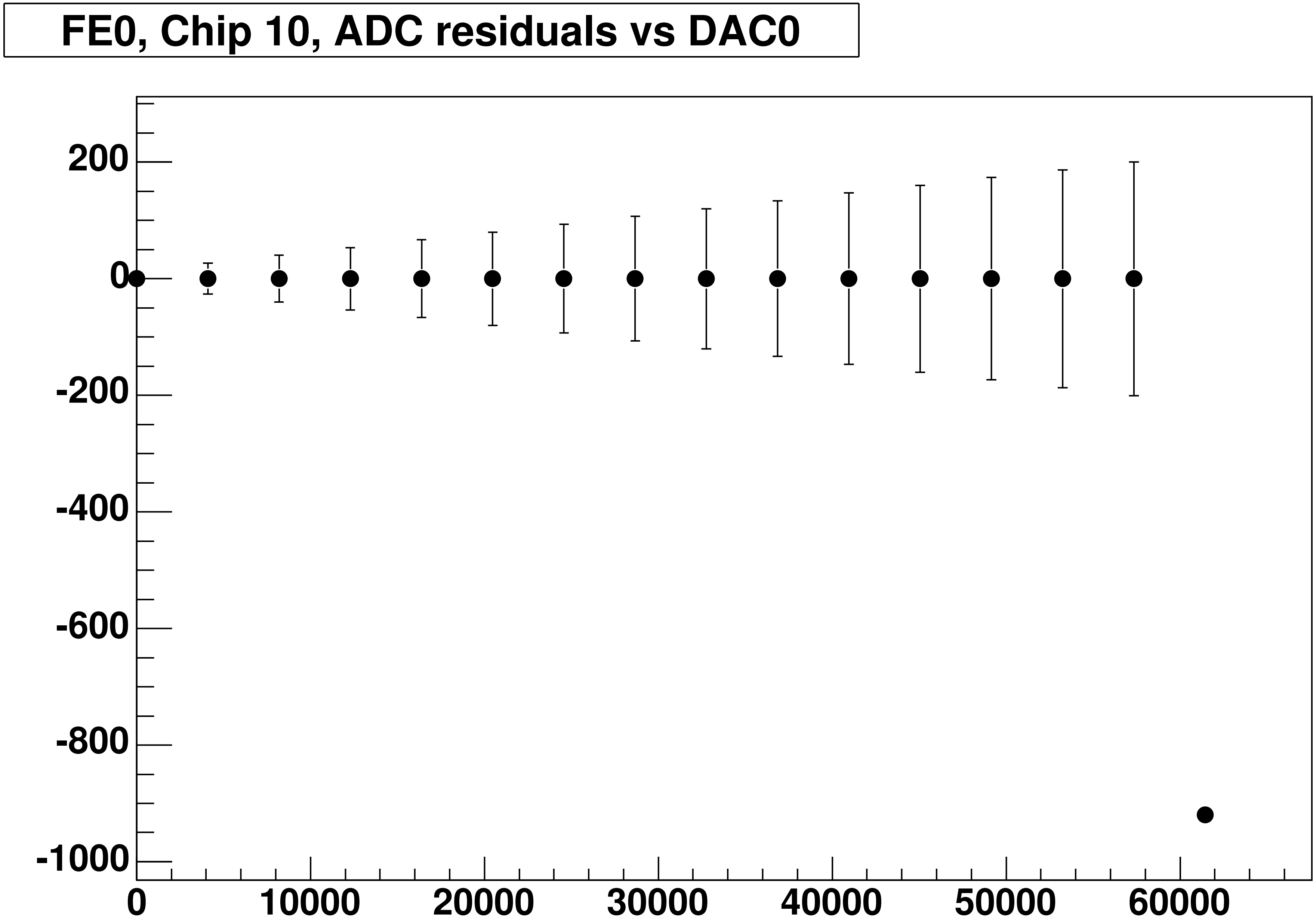
FE0, Chip 9, ADC noise vs DAC1

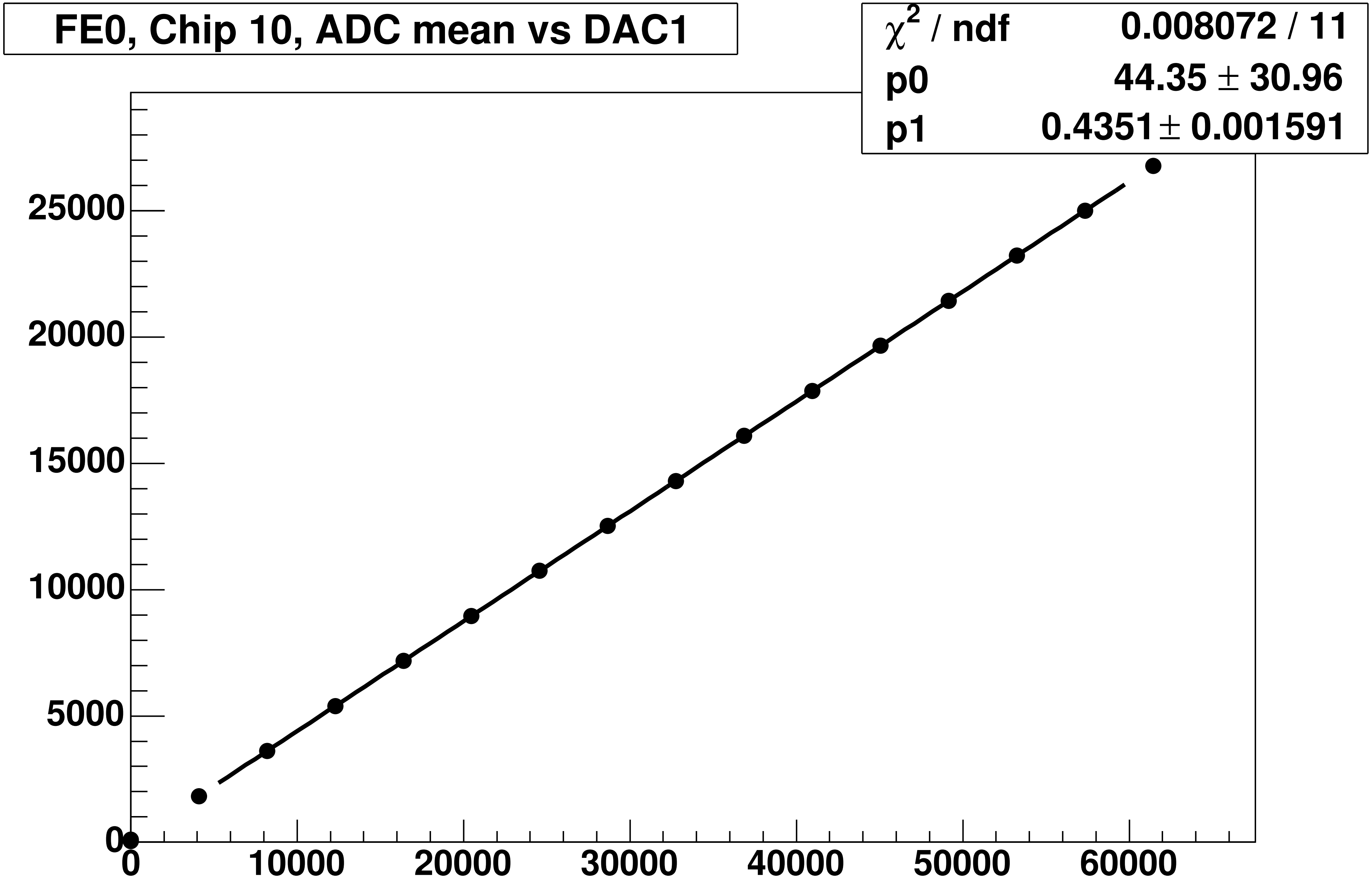



FE0, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

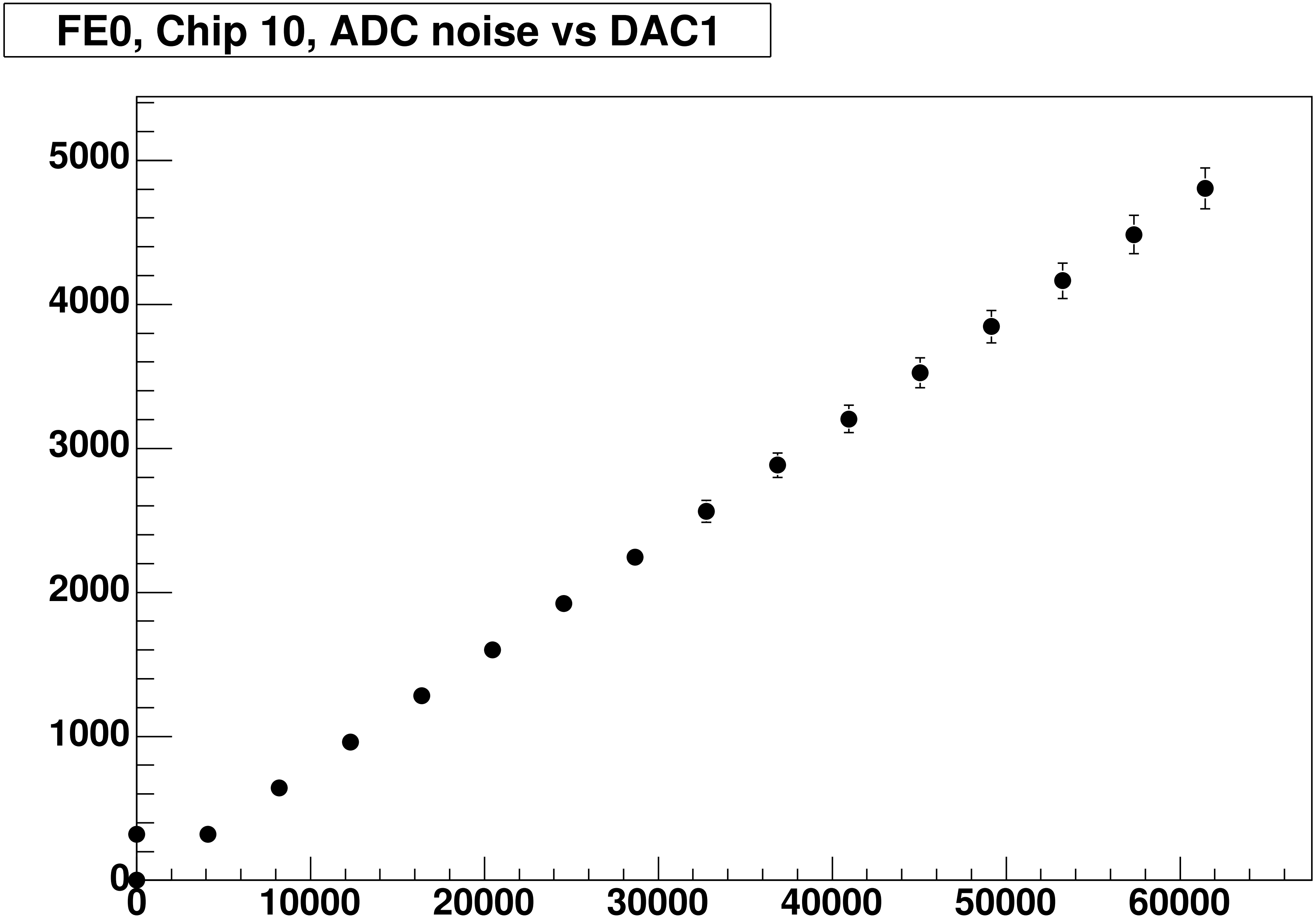

FE0, Chip 10, ADC mean vs DAC0
χ^2 / ndf 6.083e-06 / 11
p0 101.3 ± 41.77
p1 0.01404 ± 0.001883
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

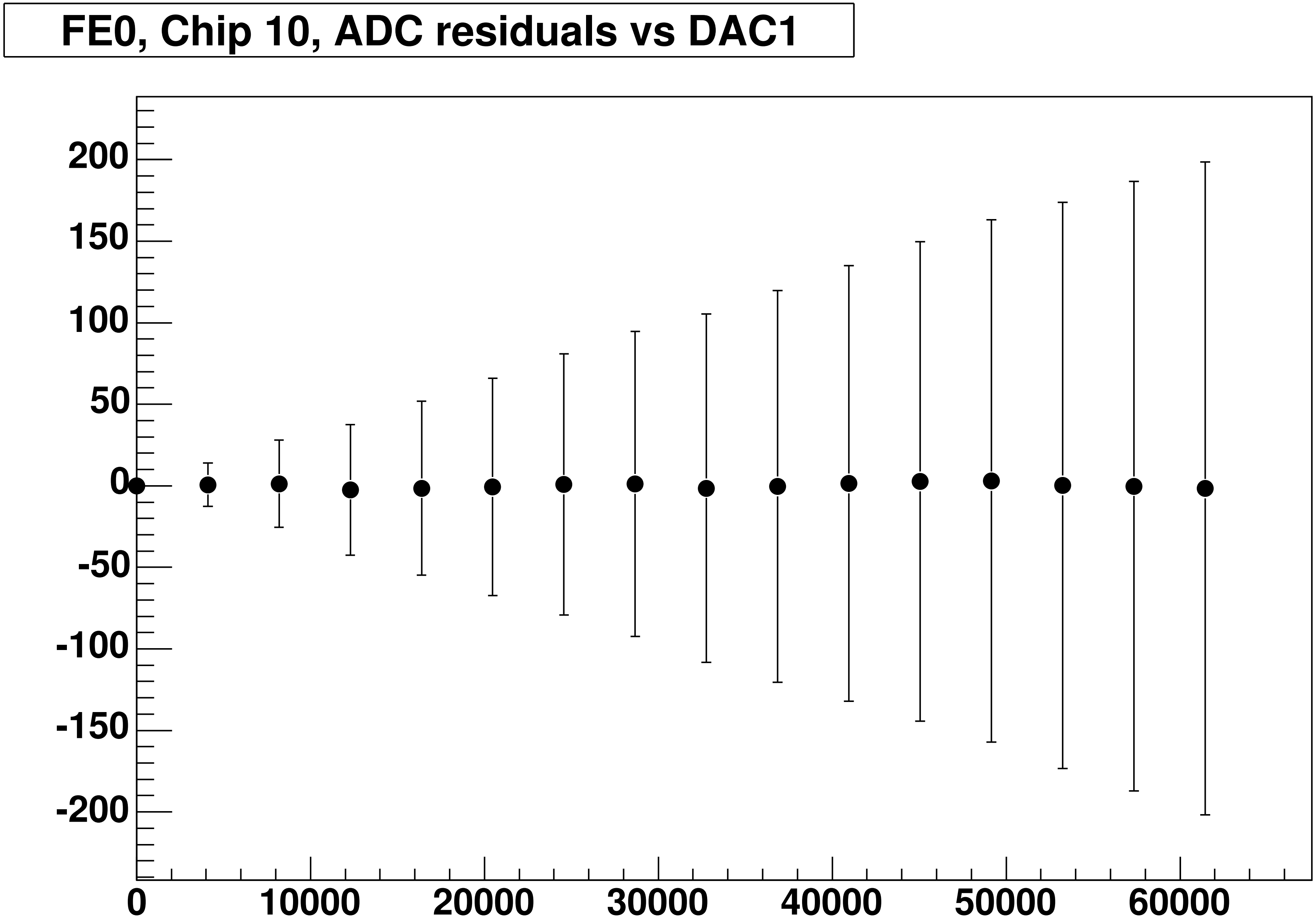

FE0, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

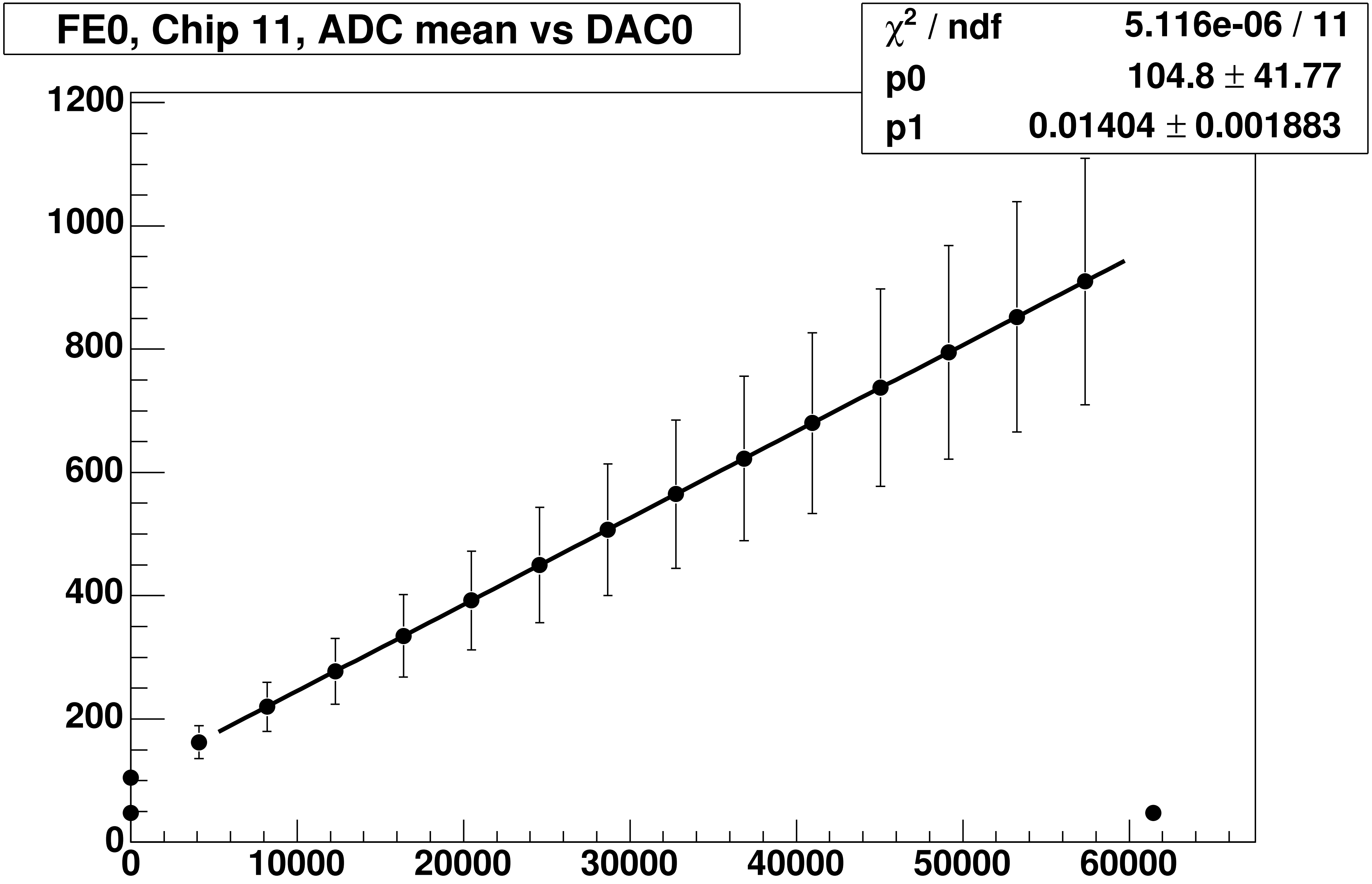


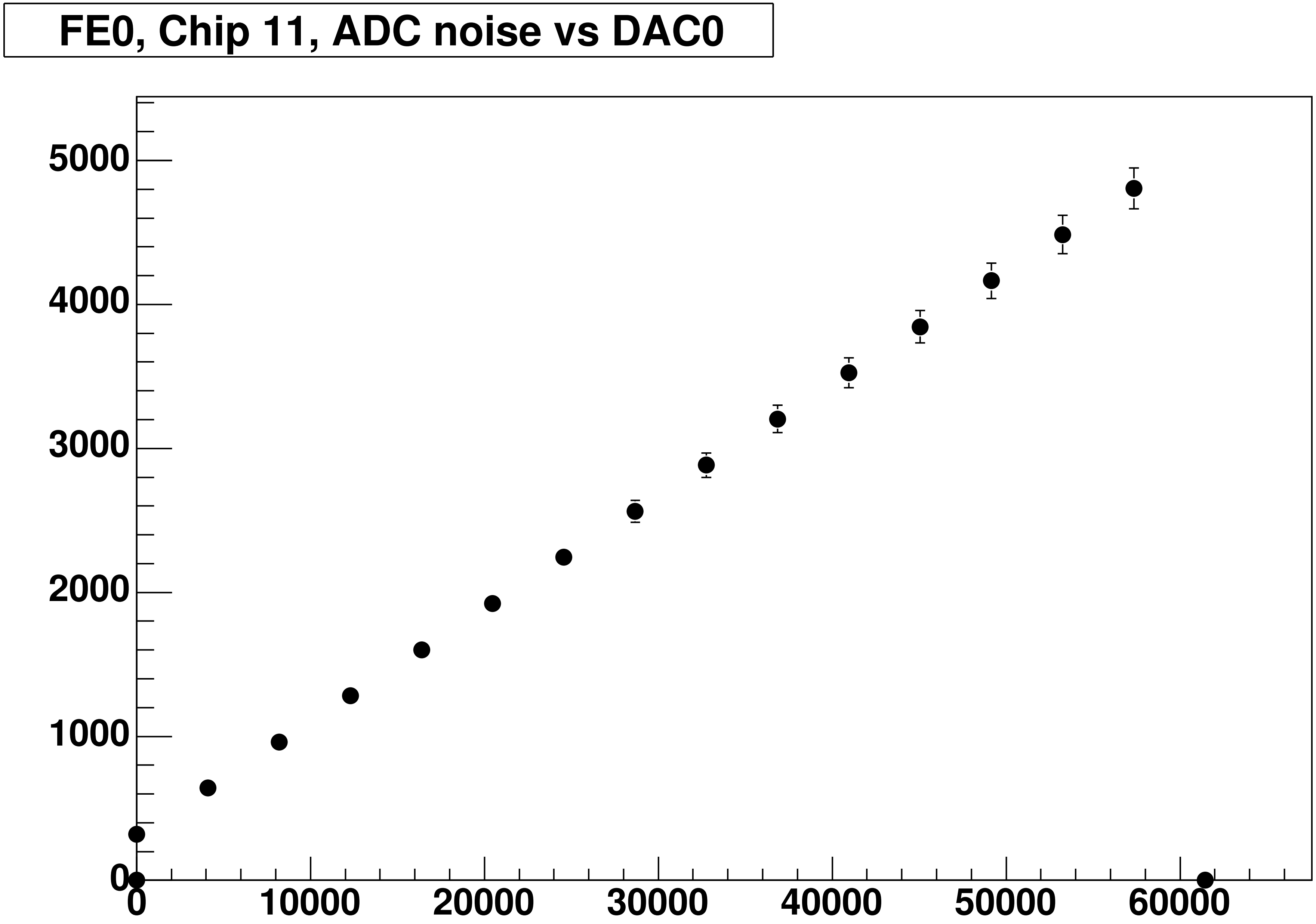
FE0, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.008072 / 11
p0 44.35 ± 30.96
p1 0.4351 ± 0.001591
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

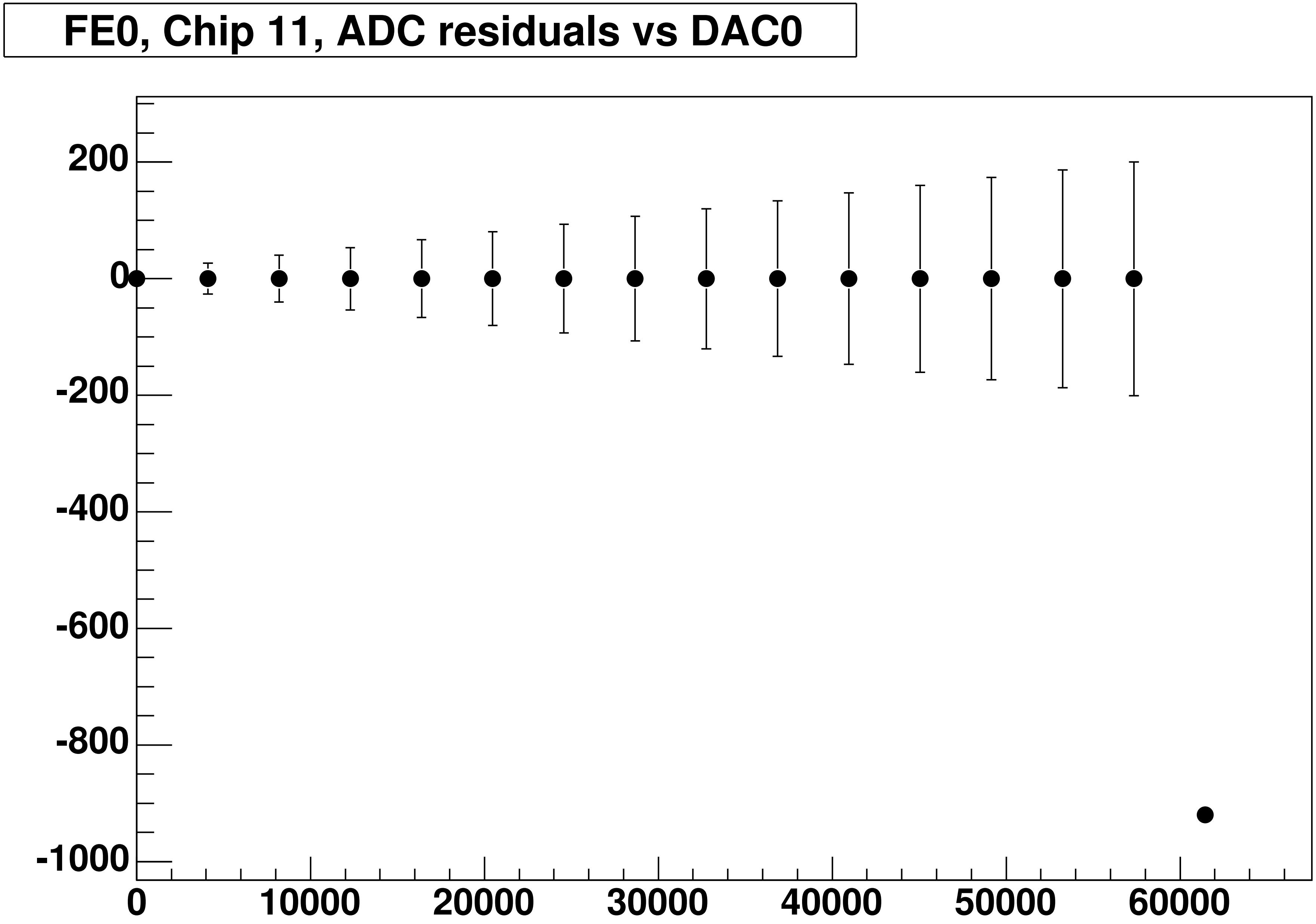

FE0, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

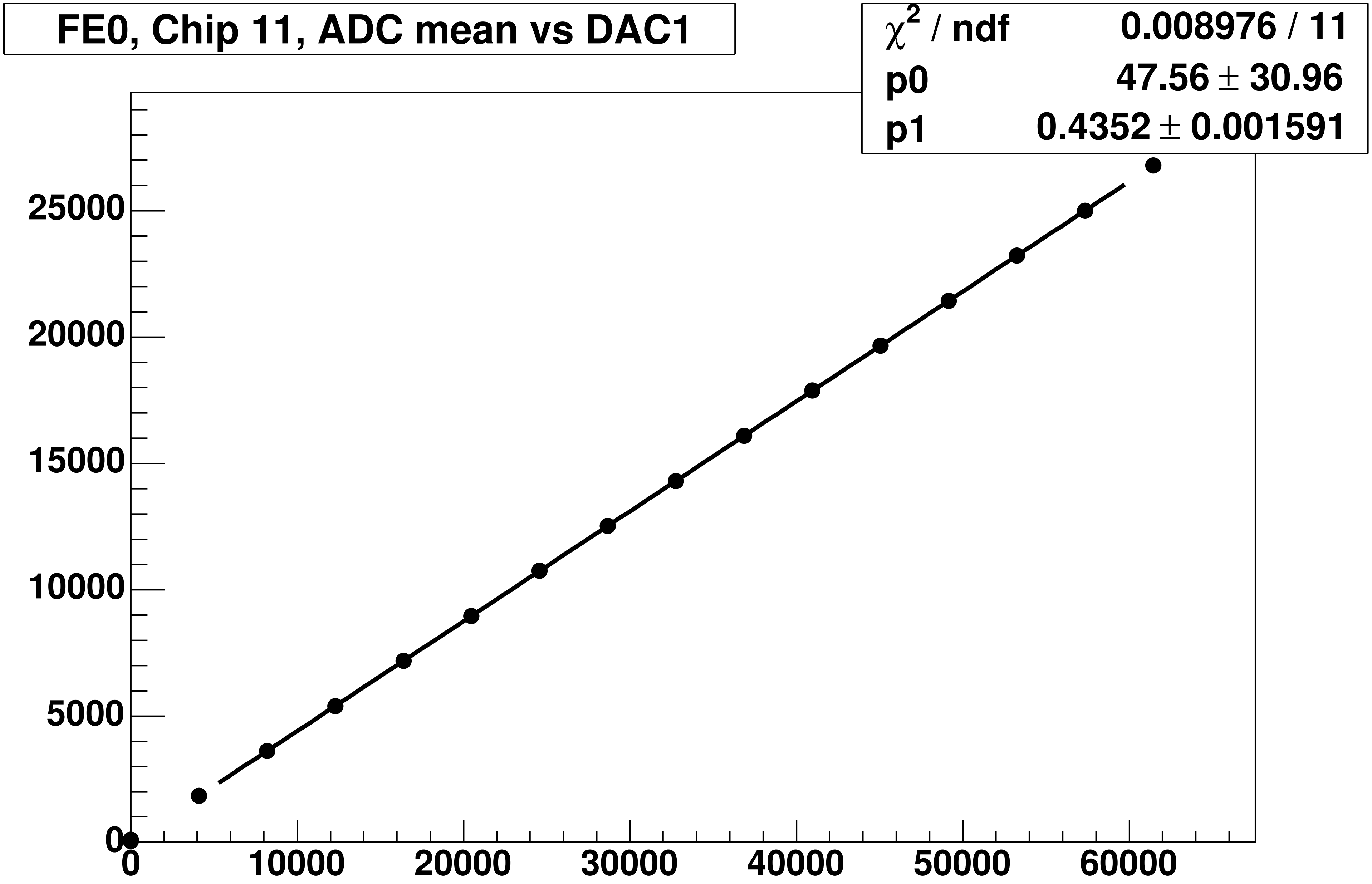


FE0, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

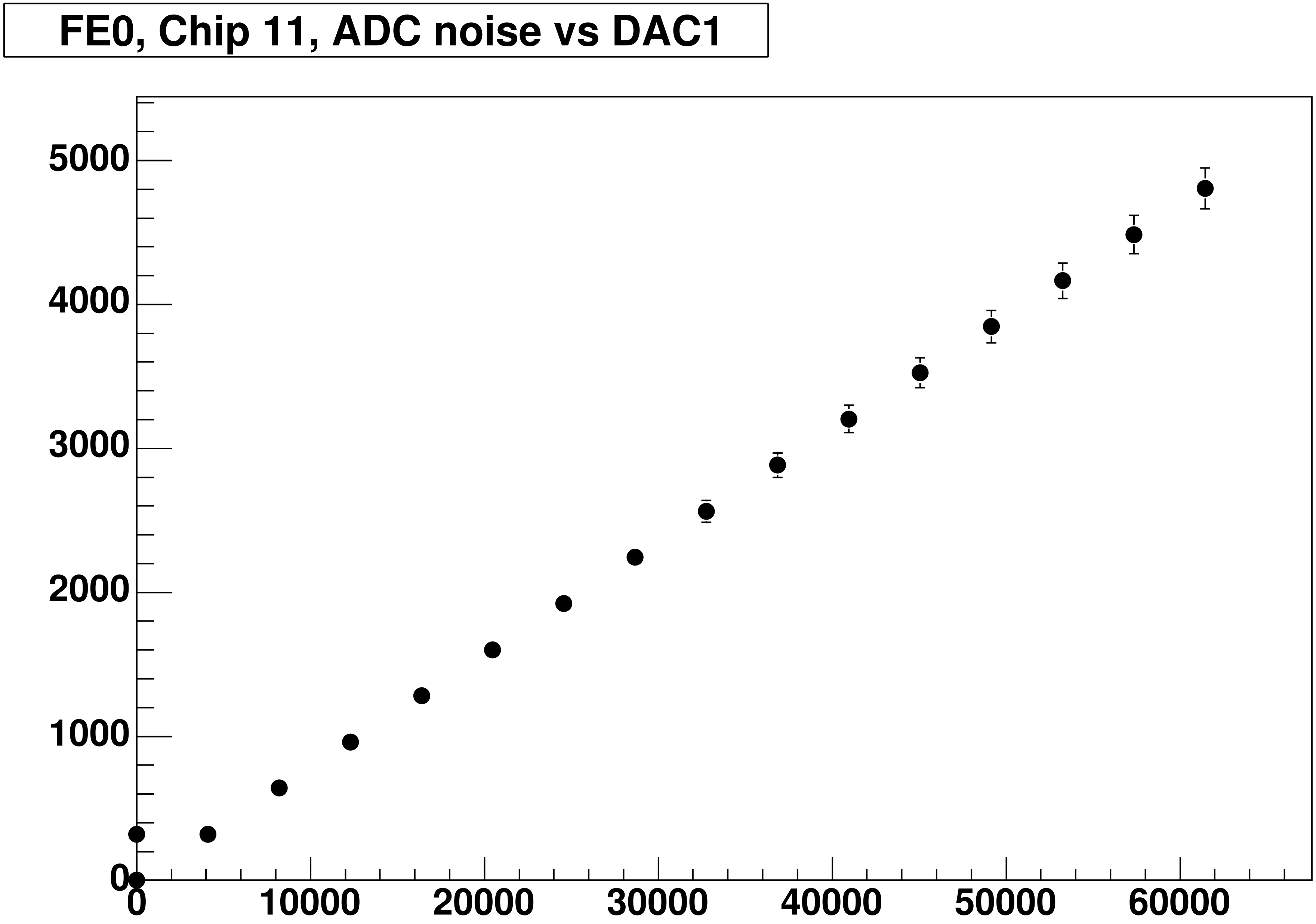

FE0, Chip 11, ADC mean vs DAC0
χ^2 / ndf 5.116e-06 / 11
p0 104.8 ± 41.77
p1 0.01404 ± 0.001883
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

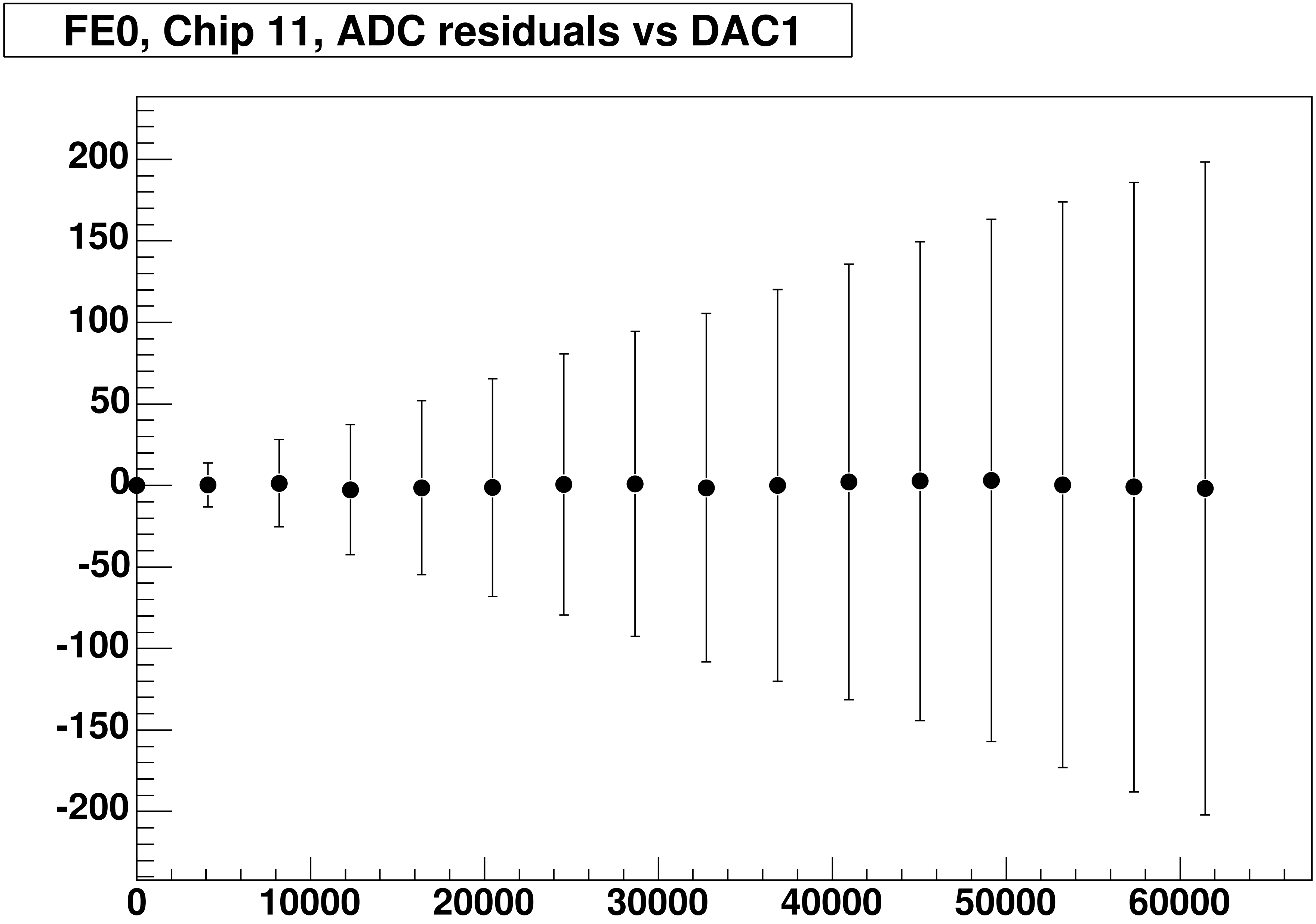

FE0, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

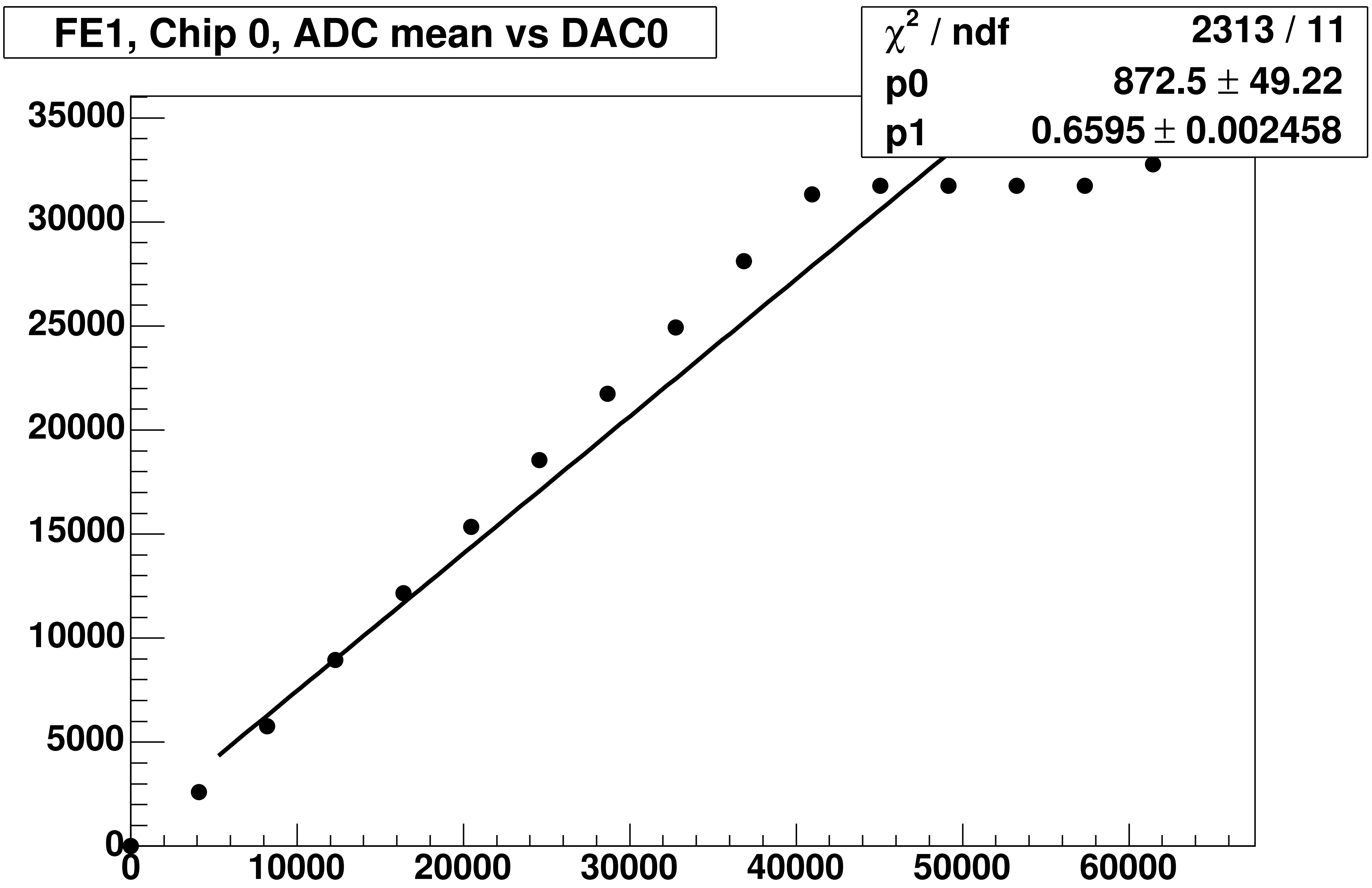

FE0, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

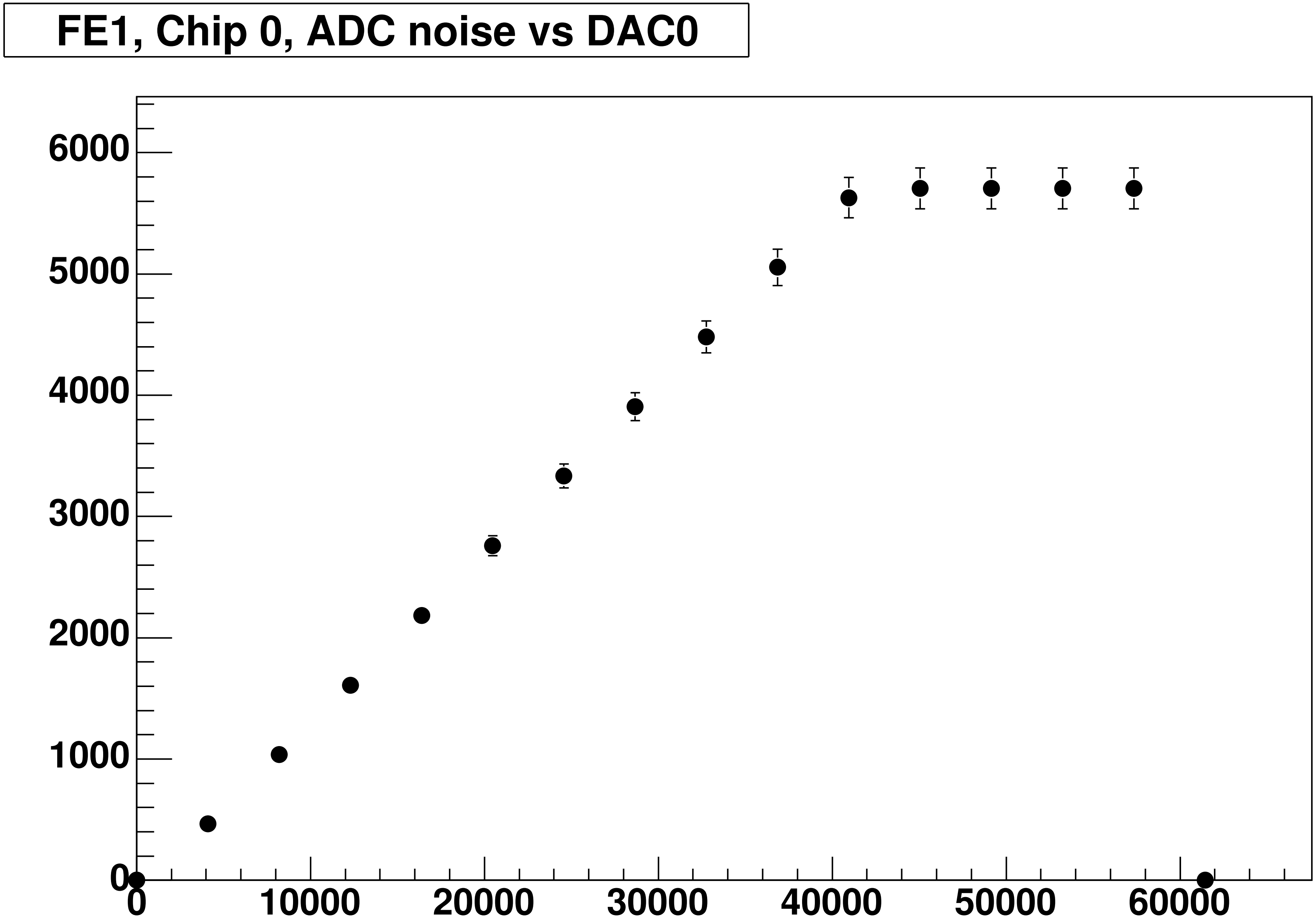


FE0, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.008976 / 11
p0 47.56 ± 30.96
p1 0.4352 ± 0.001591
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

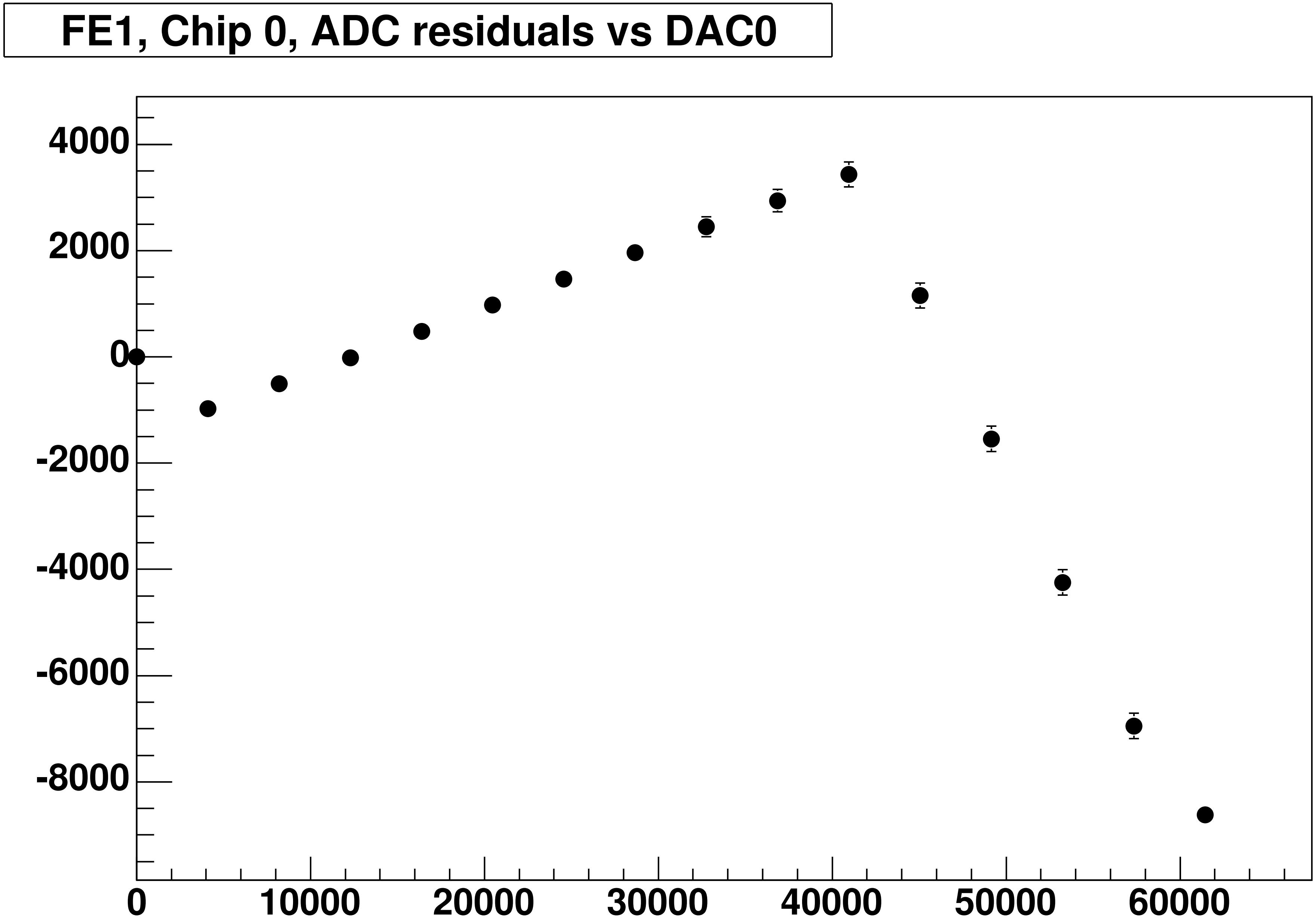

FE0, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

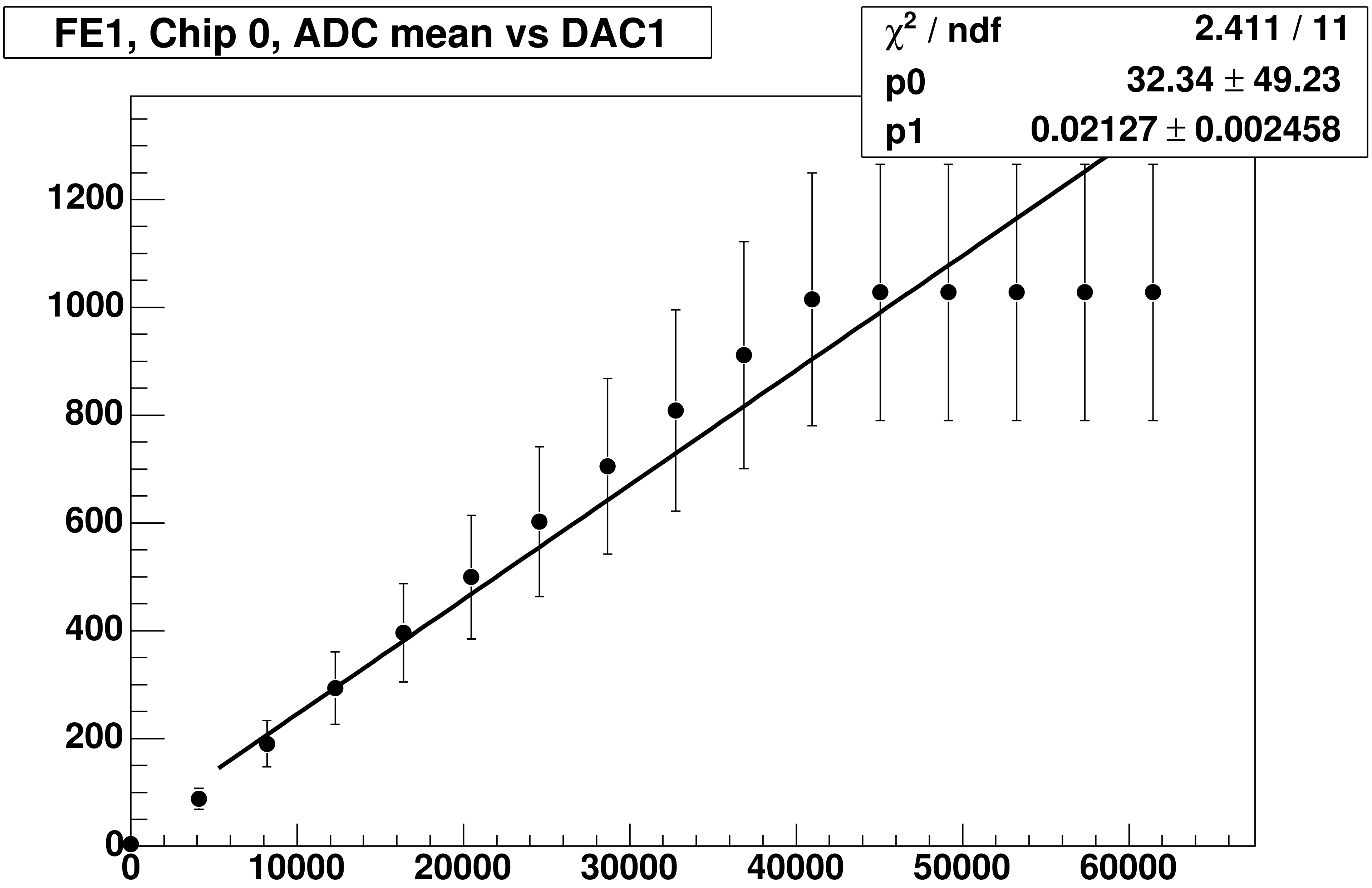

FE0, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 0, ADC mean vs DAC0
χ^2 / ndf 2313 / 11
p0 872.5 ± 49.22
p1 0.6595 ± 0.002458
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

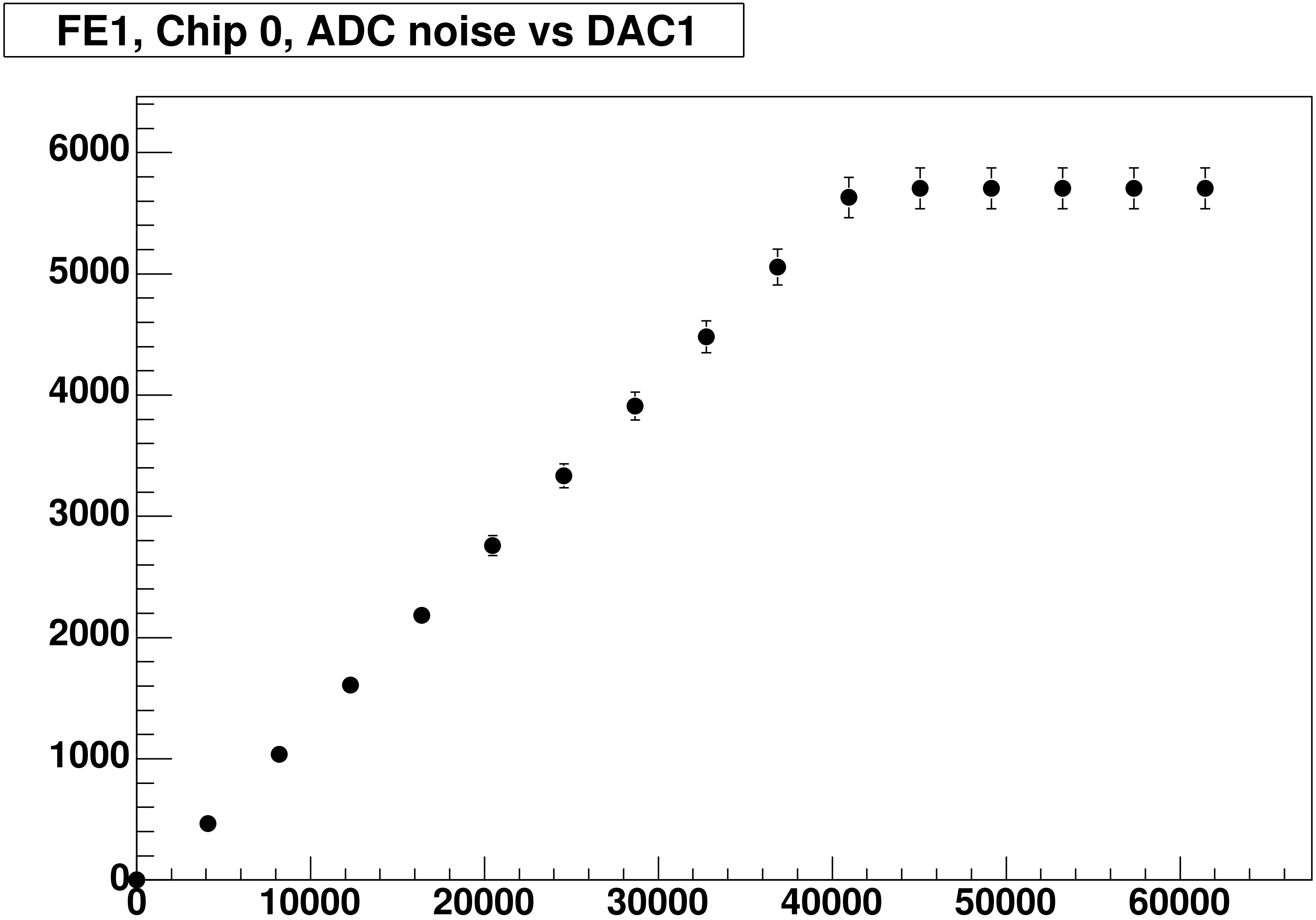


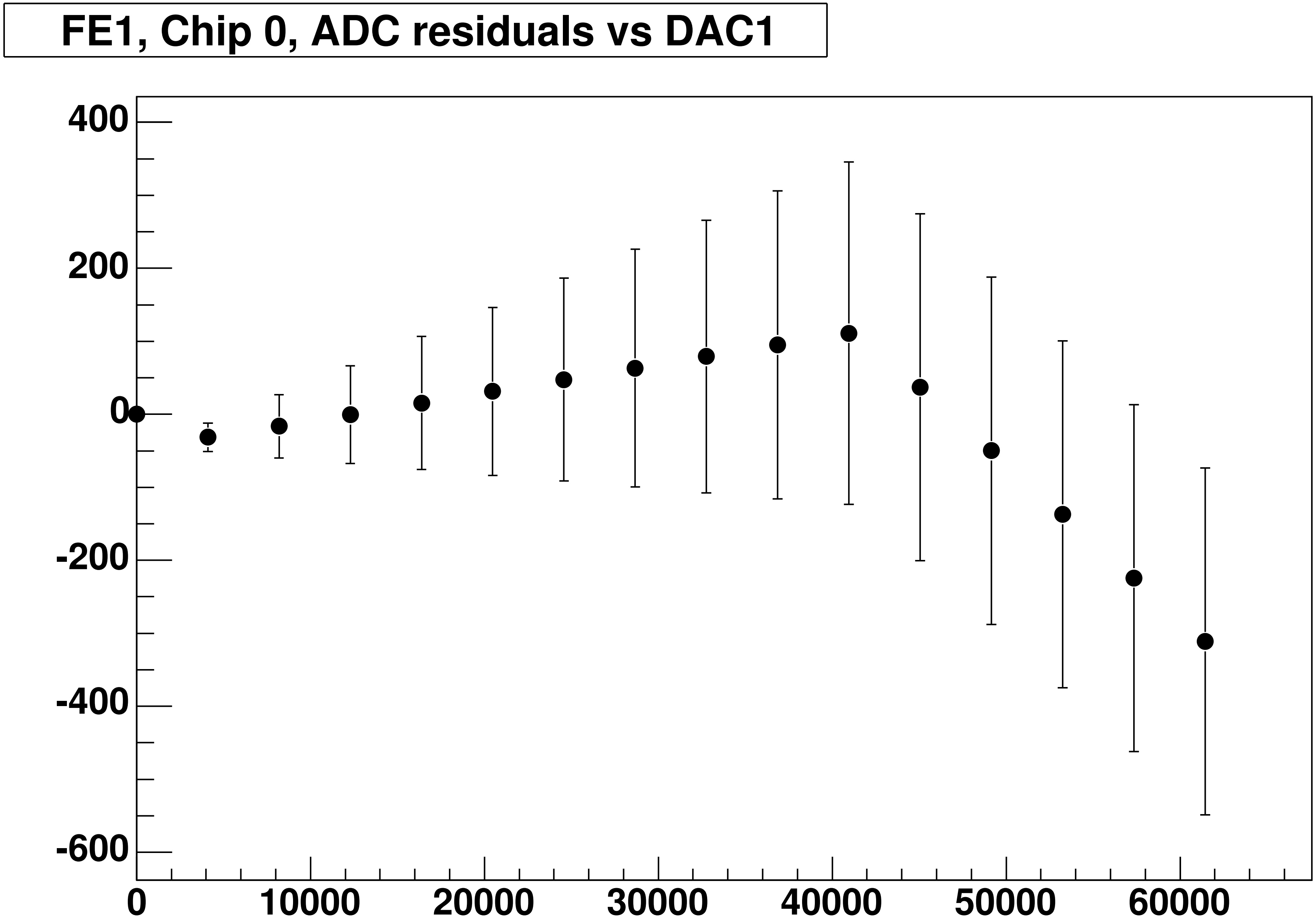
FE1, Chip 0, ADC noise vs DAC0
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

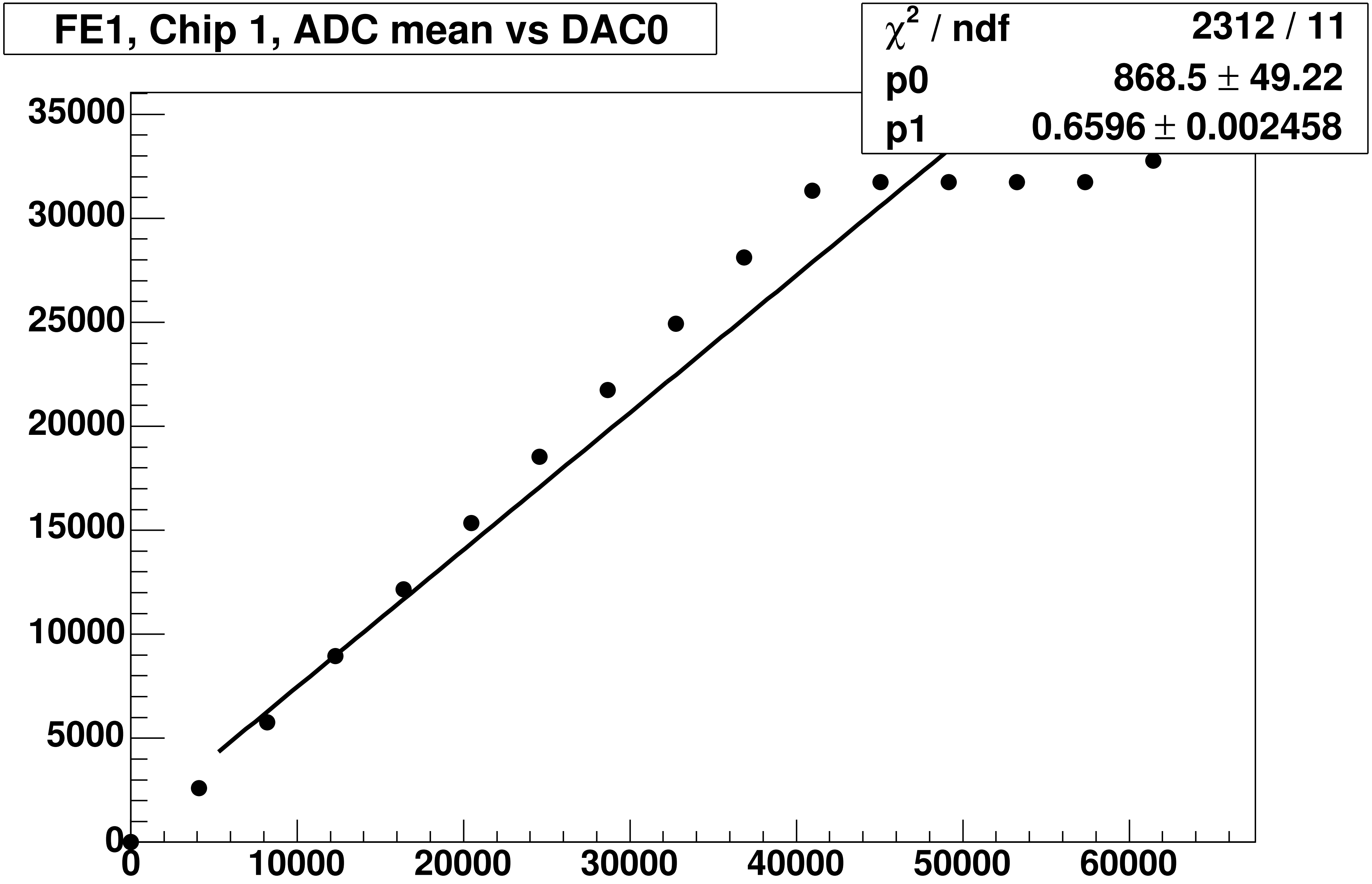

FE1, Chip 0, ADC residuals vs DAC0
4000
2000
0
-2000
-4000
-6000
-8000
0
10000
20000
30000
40000
50000
60000



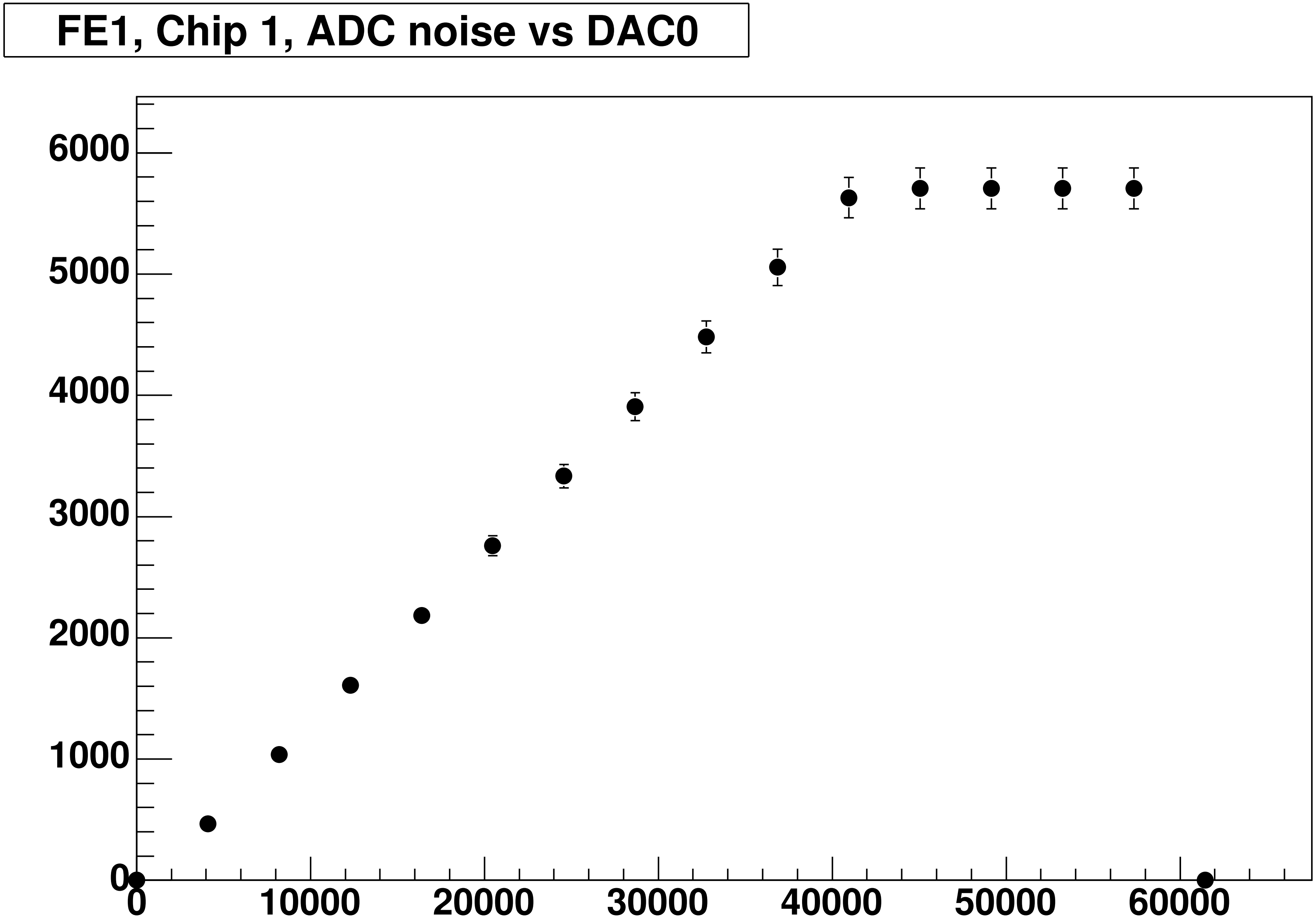
FE1, Chip 0, ADC mean vs DAC1
χ² / ndf 2.411 / 11
p0 32.34 ± 49.23
p1 0.02127 ± 0.002458
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

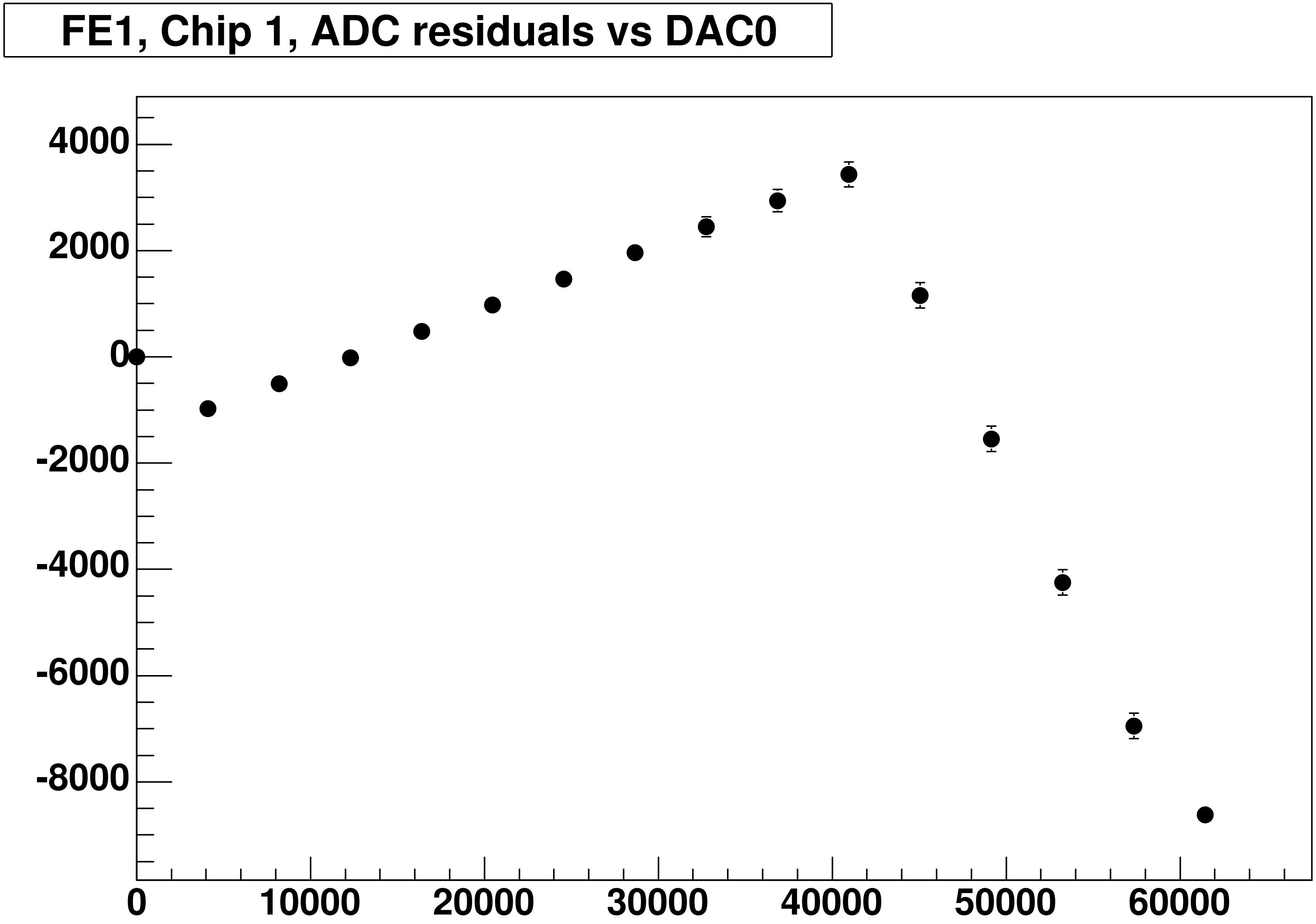

FE1, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

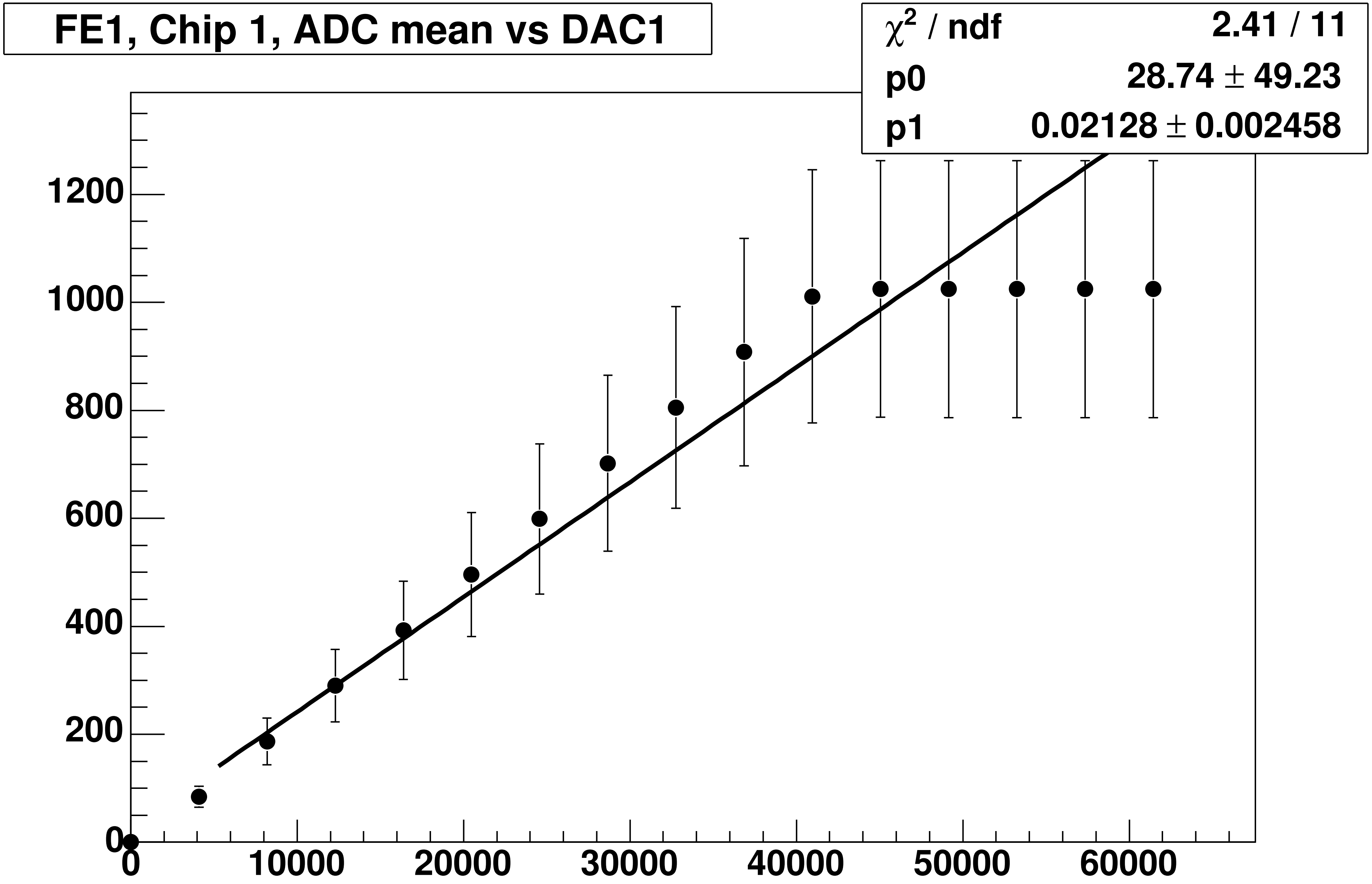

FE1, Chip 0, ADC residuals vs DAC1
400
200
0
-200
-400
-600
0
10000
20000
30000
40000
50000
60000



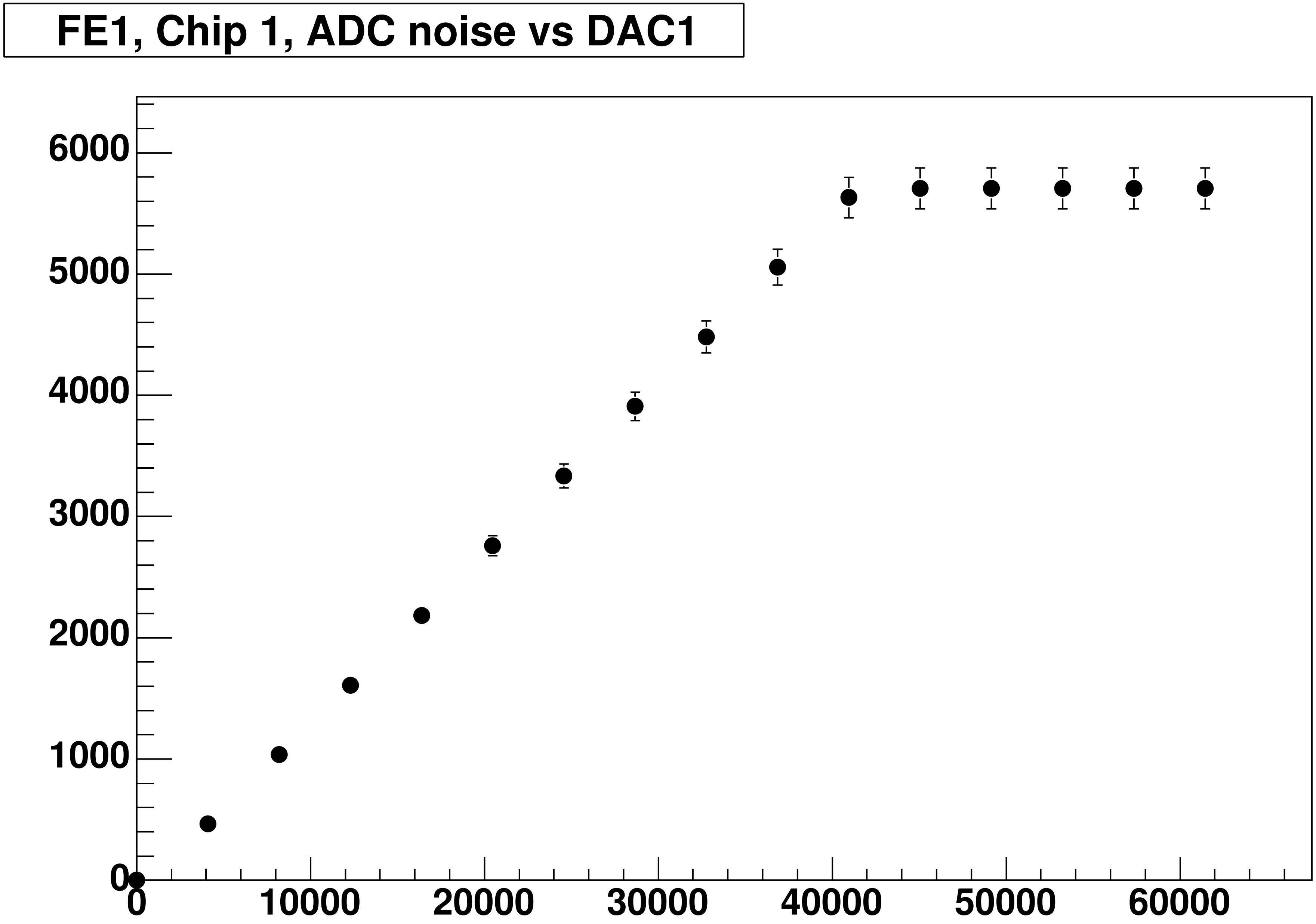
FE1, Chip 1, ADC mean vs DAC0
χ^2 / ndf 2312 / 11
p0 868.5 ± 49.22
p1 0.6596 ± 0.002458
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

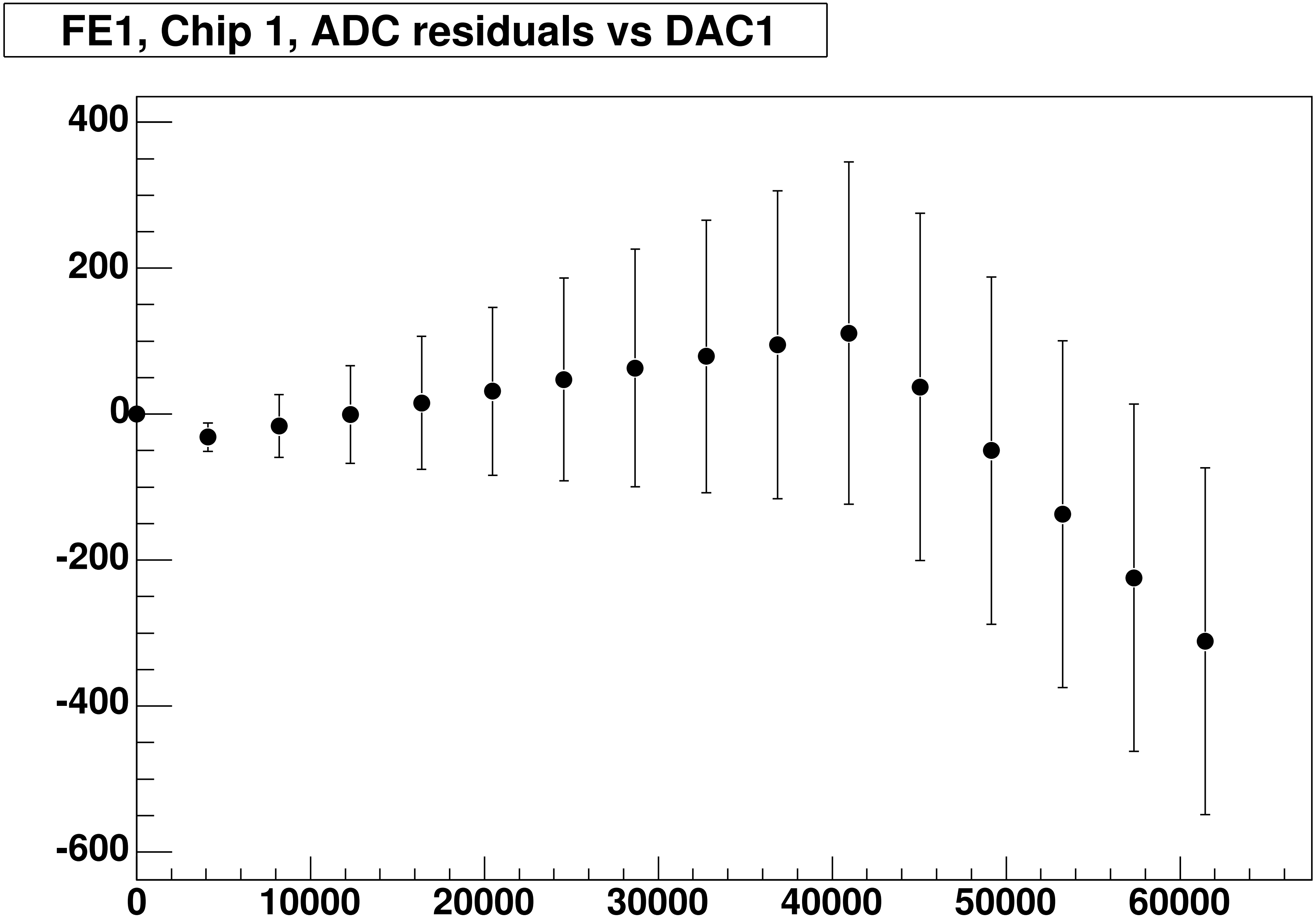

FE1, Chip 1, ADC noise vs DAC0
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

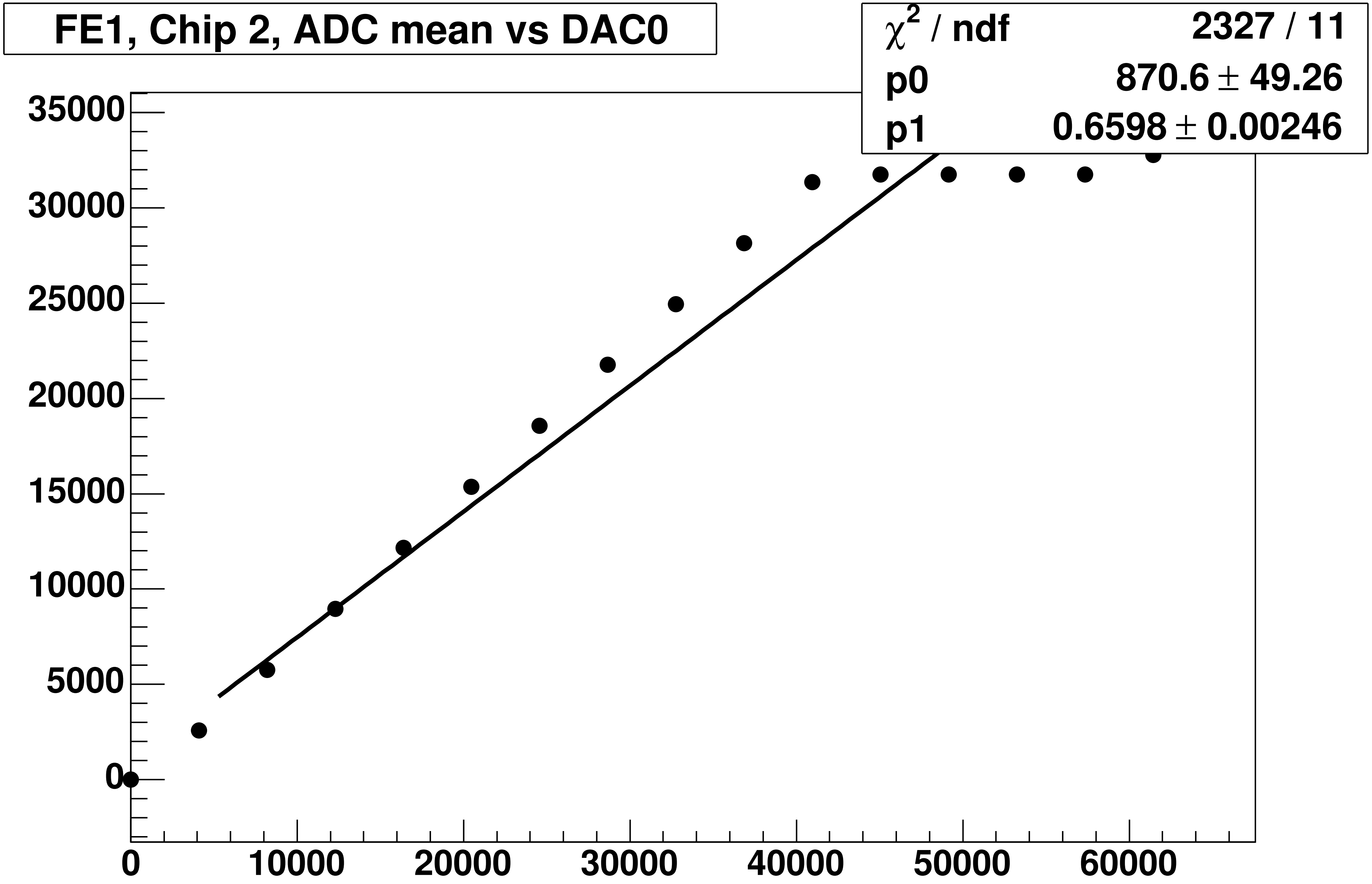

FE1, Chip 1, ADC residuals vs DAC0
4000
2000
0
-2000
-4000
-6000
-8000
0
10000
20000
30000
40000
50000
60000



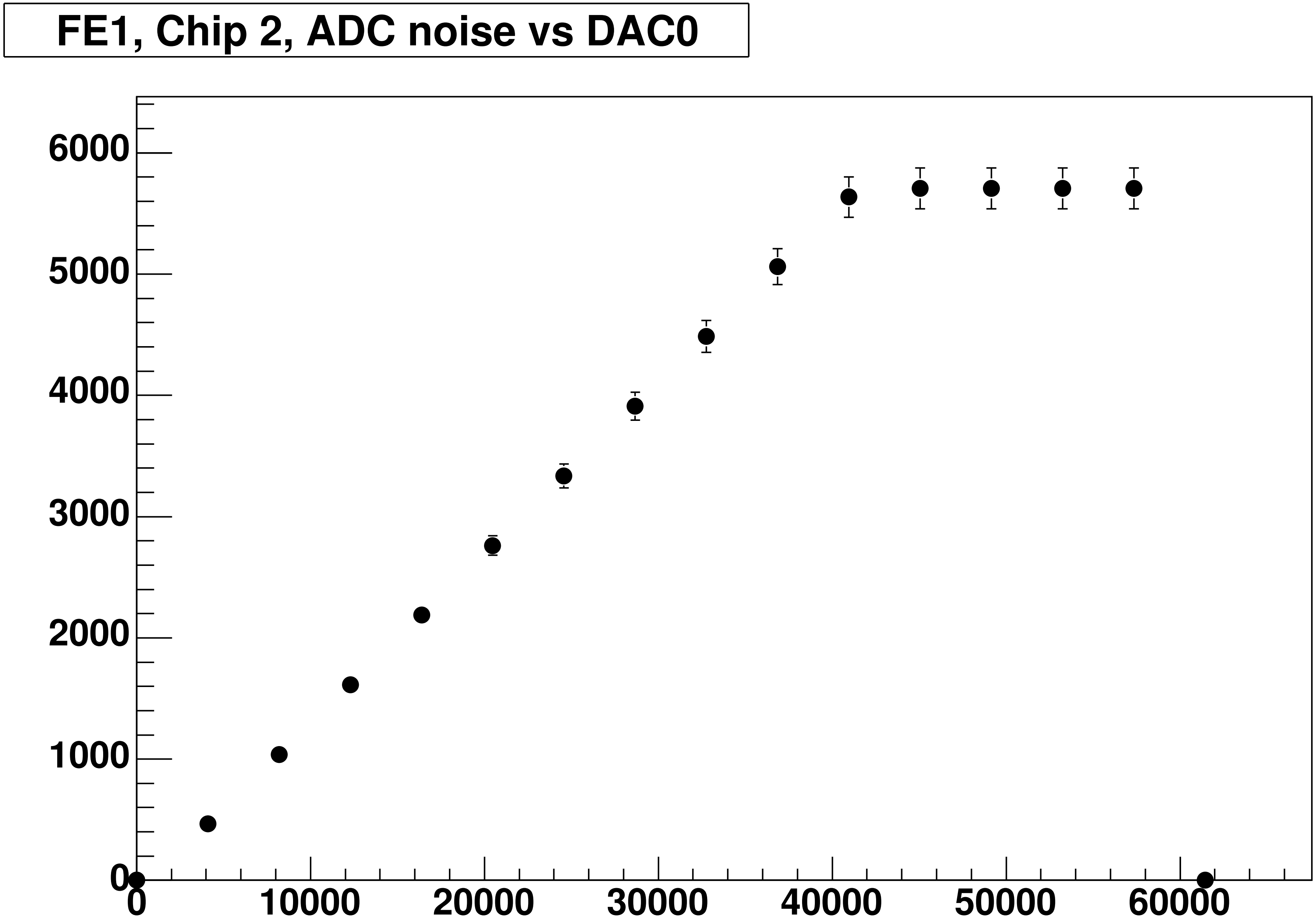
FE1, Chip 1, ADC mean vs DAC1
χ² / ndf 2.41 / 11
p0 28.74 ± 49.23
p1 0.02128 ± 0.002458
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

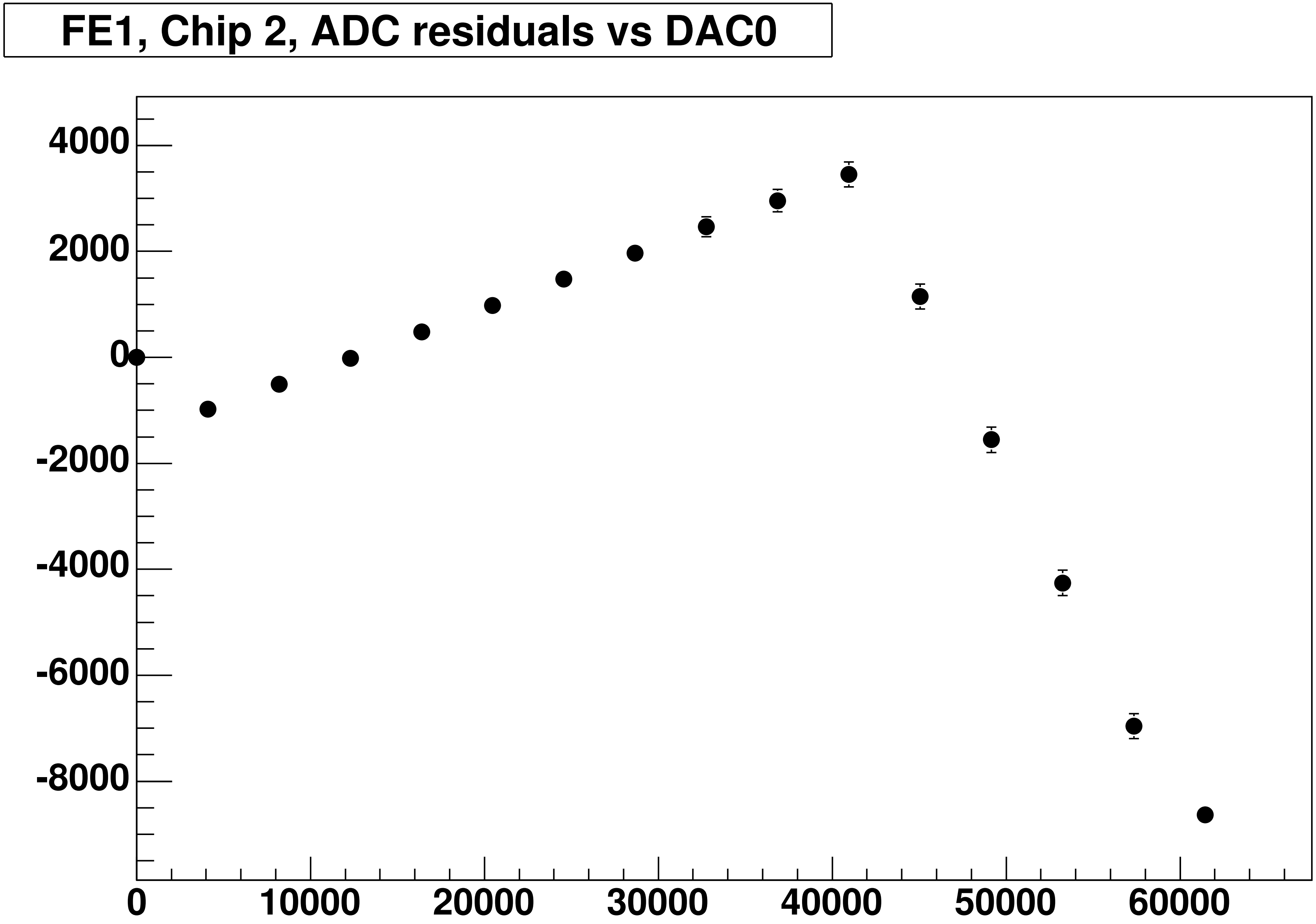

FE1, Chip 1, ADC residuals vs DAC1
400
200
0
-200
-400
-600
0
10000
20000
30000
40000
50000
60000

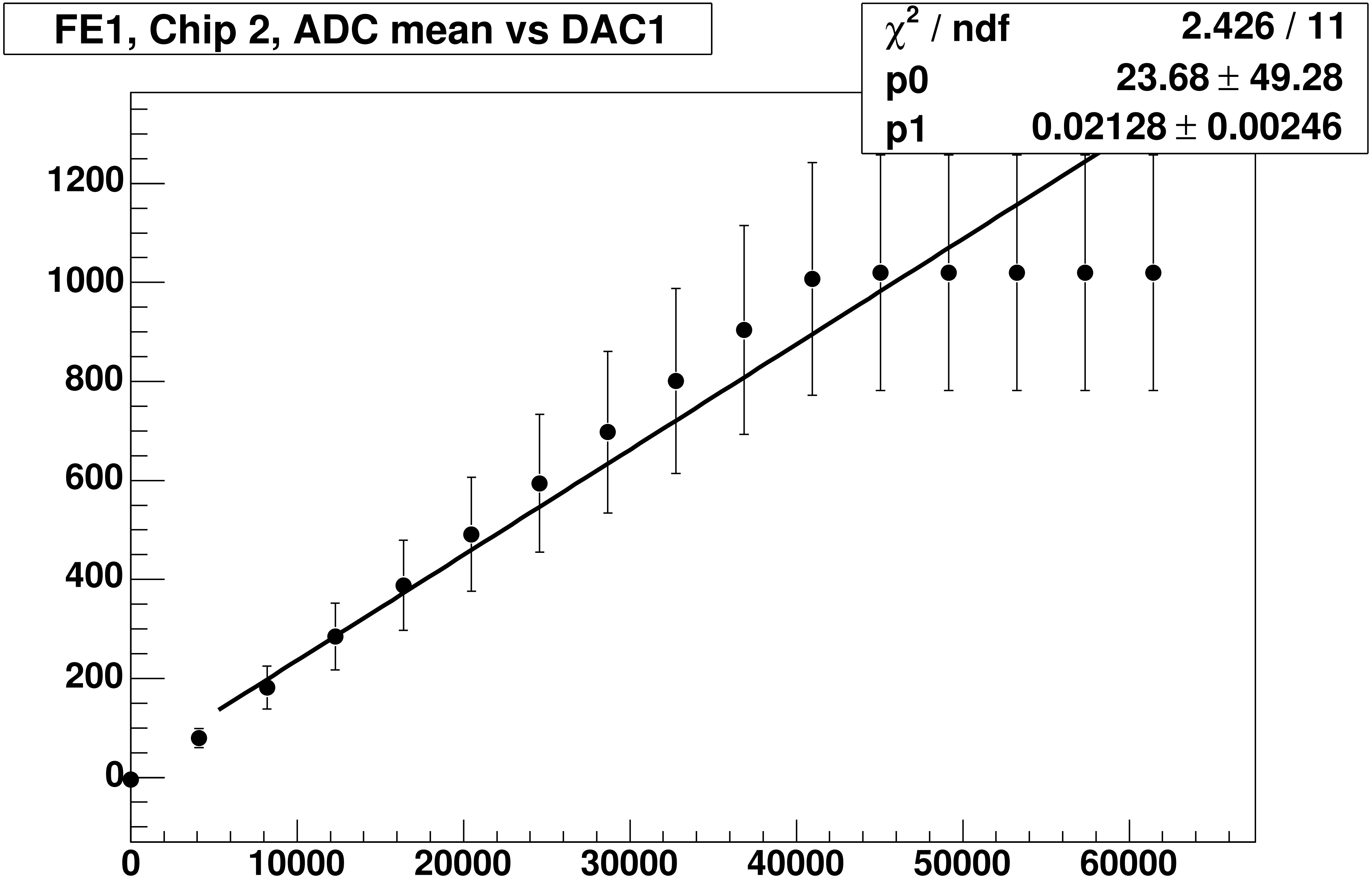


FE1, Chip 2, ADC mean vs DAC0
χ² / ndf 2327 / 11
p0 870.6 ± 49.26
p1 0.6598 ± 0.00246
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

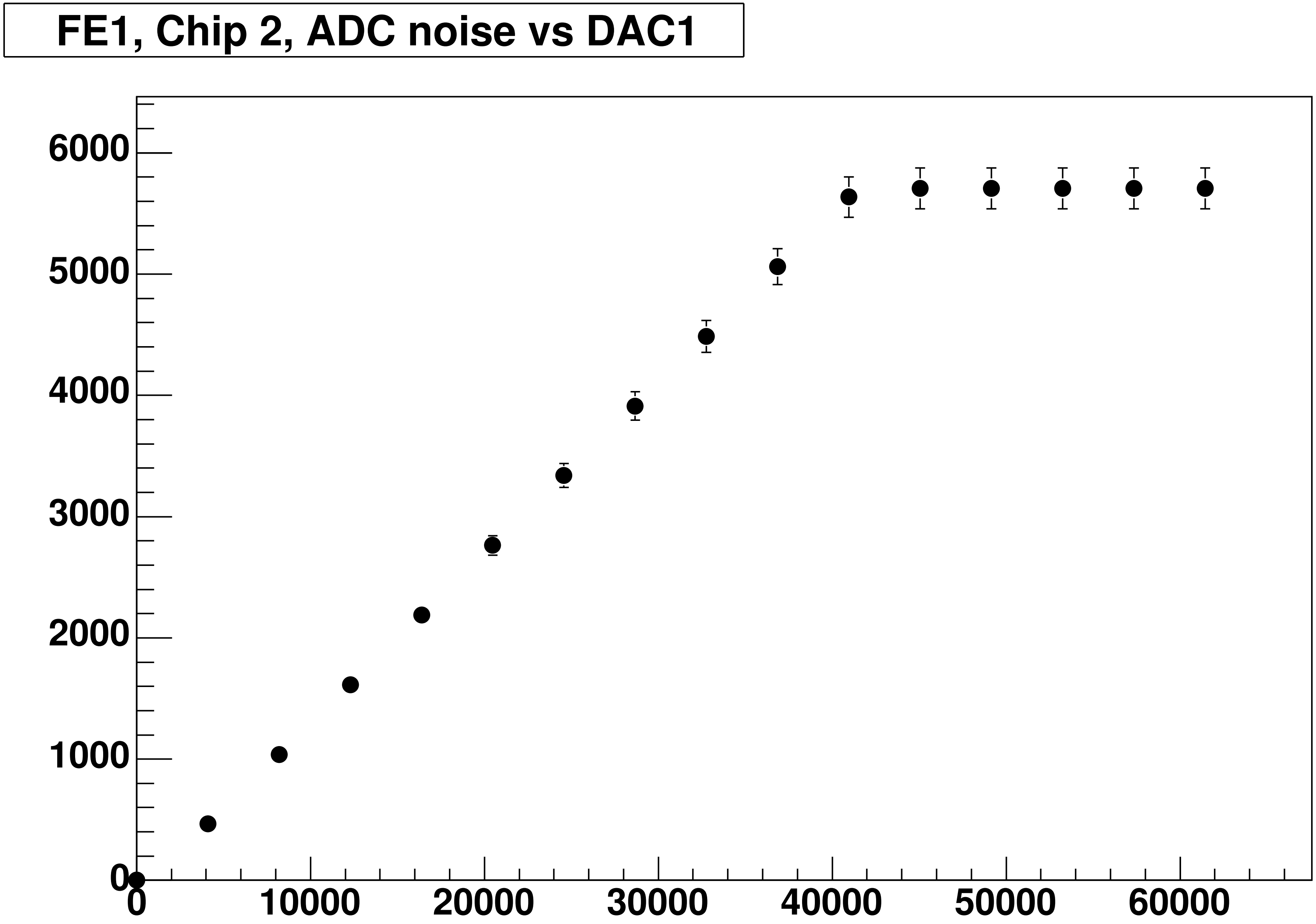


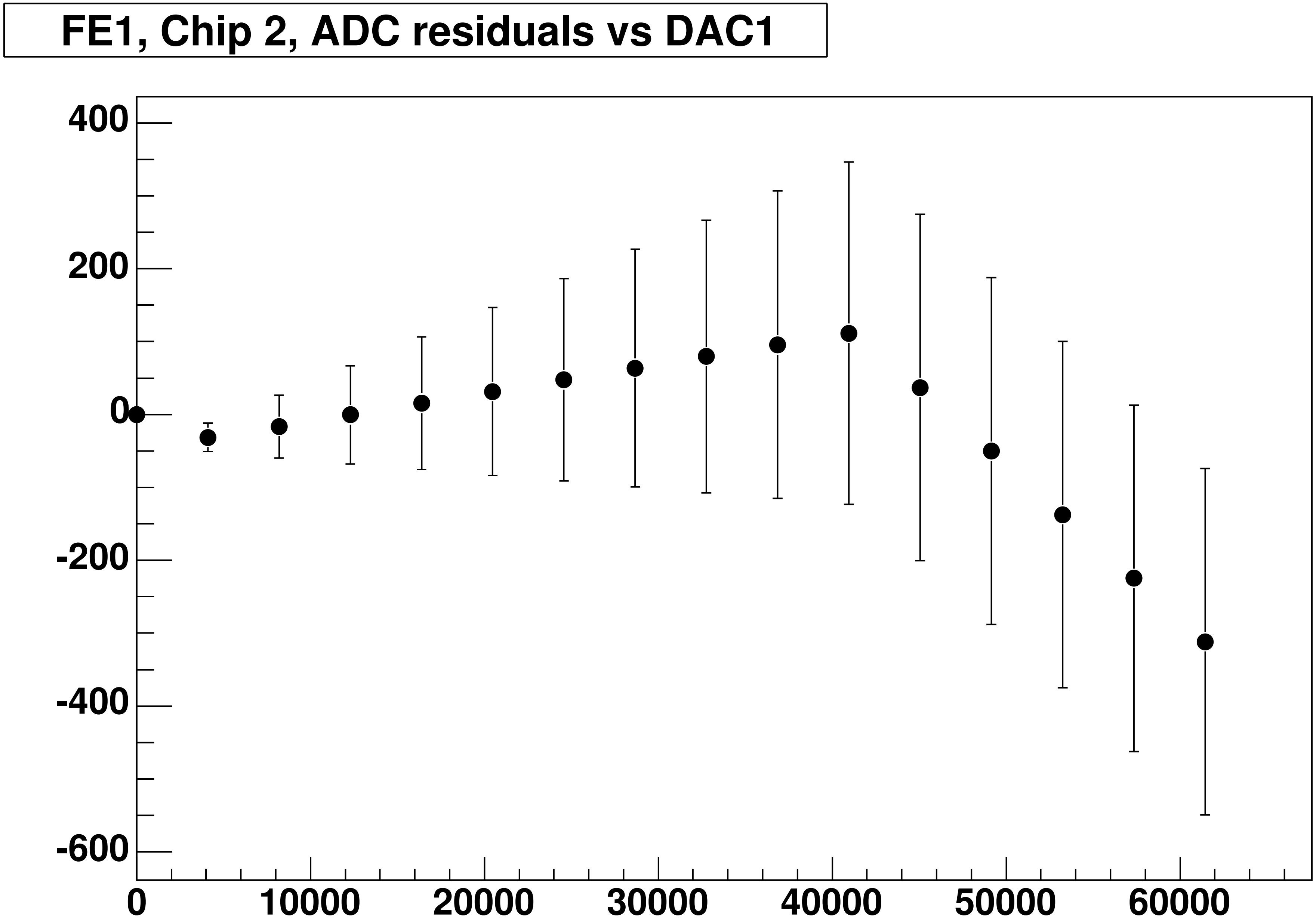
FE1, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

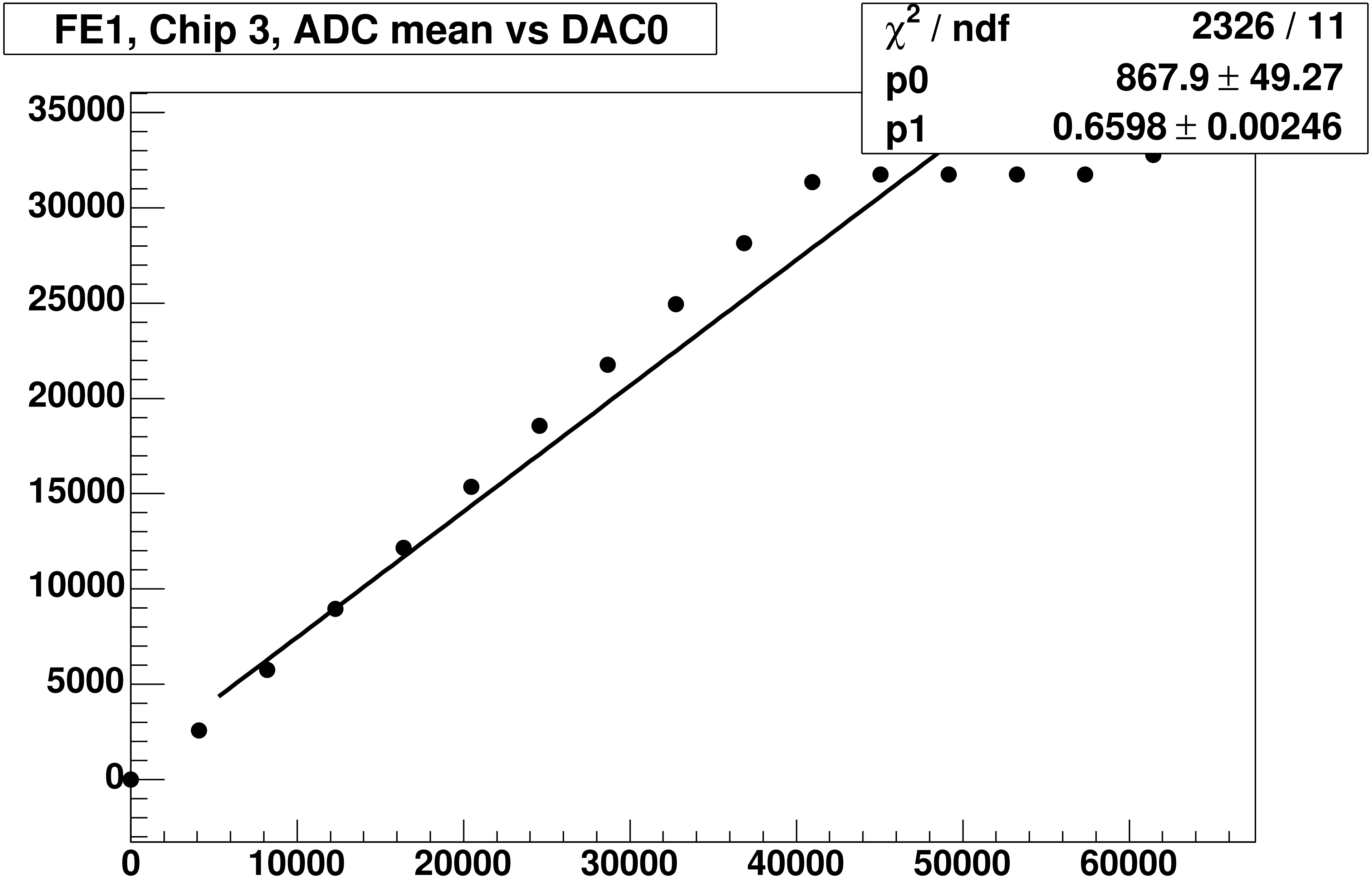

FE1, Chip 2, ADC residuals vs DAC0
4000
2000
0
-2000
-4000
-6000
-8000
0
10000
20000
30000
40000
50000
60000

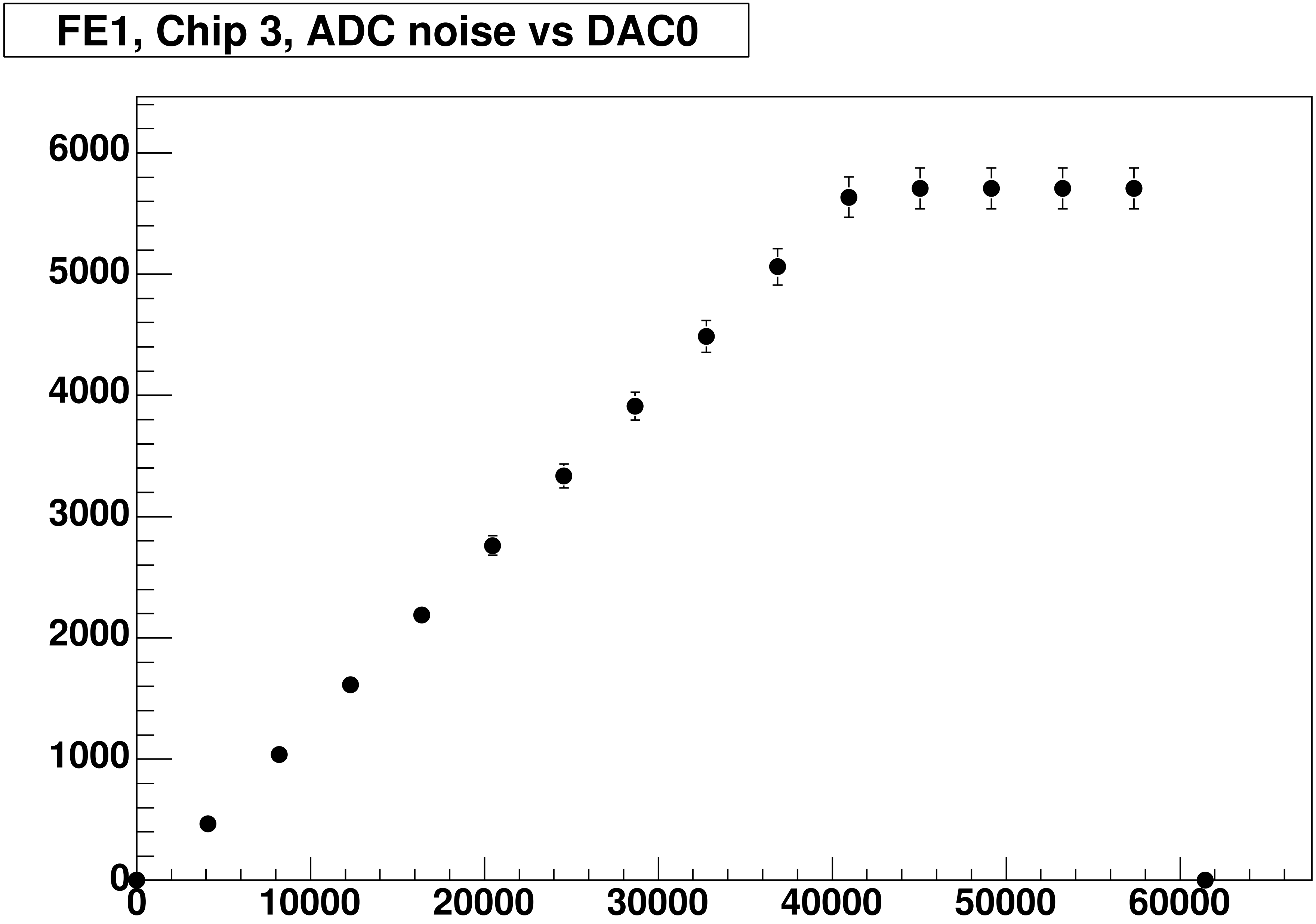


FE1, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.426 / 11
p0 23.68 ± 49.28
p1 0.02128 ± 0.00246
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

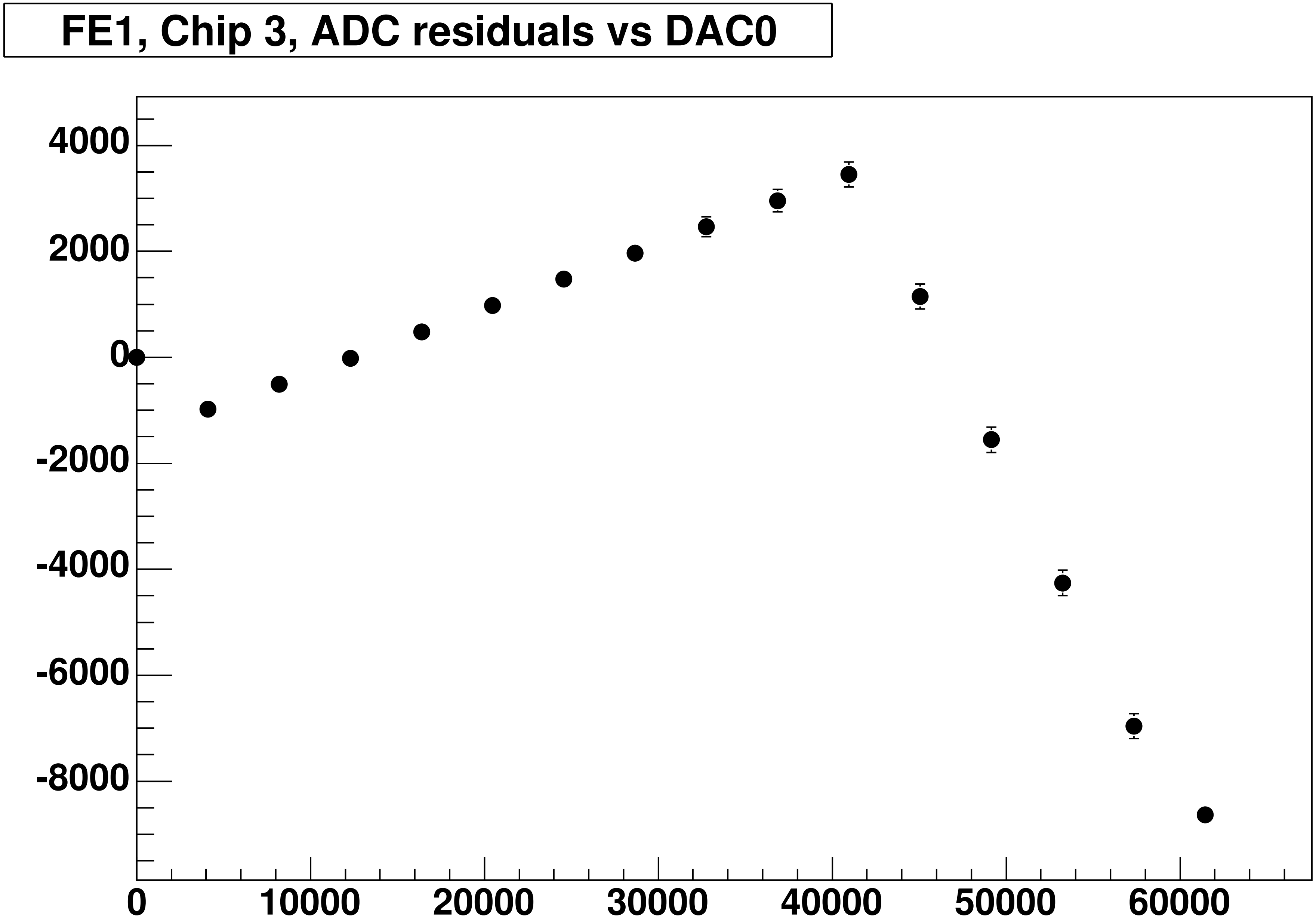

FE1, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

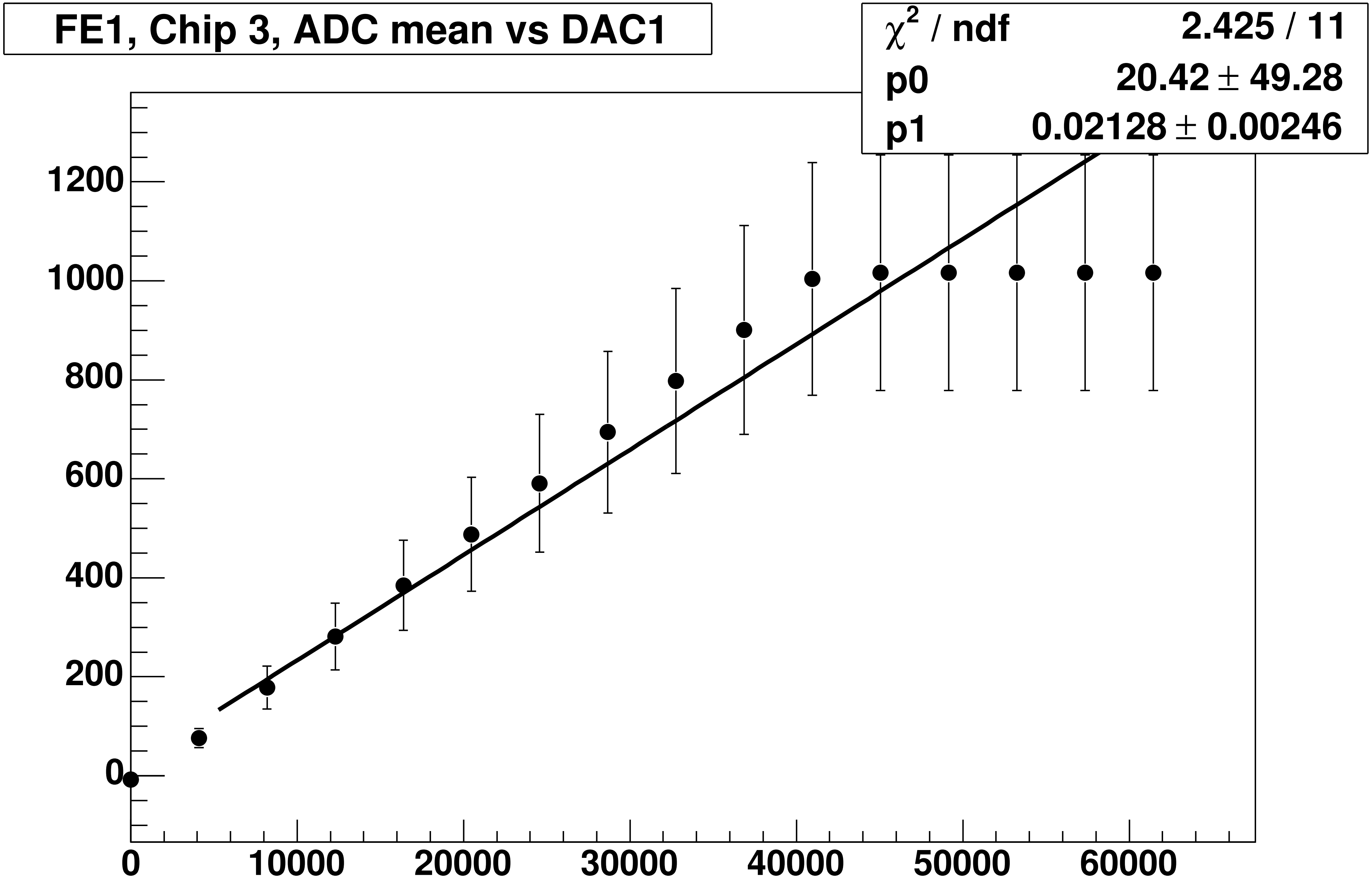

FE1, Chip 2, ADC residuals vs DAC1
400
200
0
-200
-400
-600
0
10000
20000
30000
40000
50000
60000


FE1, Chip 3, ADC mean vs DAC0
χ^2 / ndf 2326 / 11
p0 867.9 ± 49.27
p1 0.6598 ± 0.00246
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

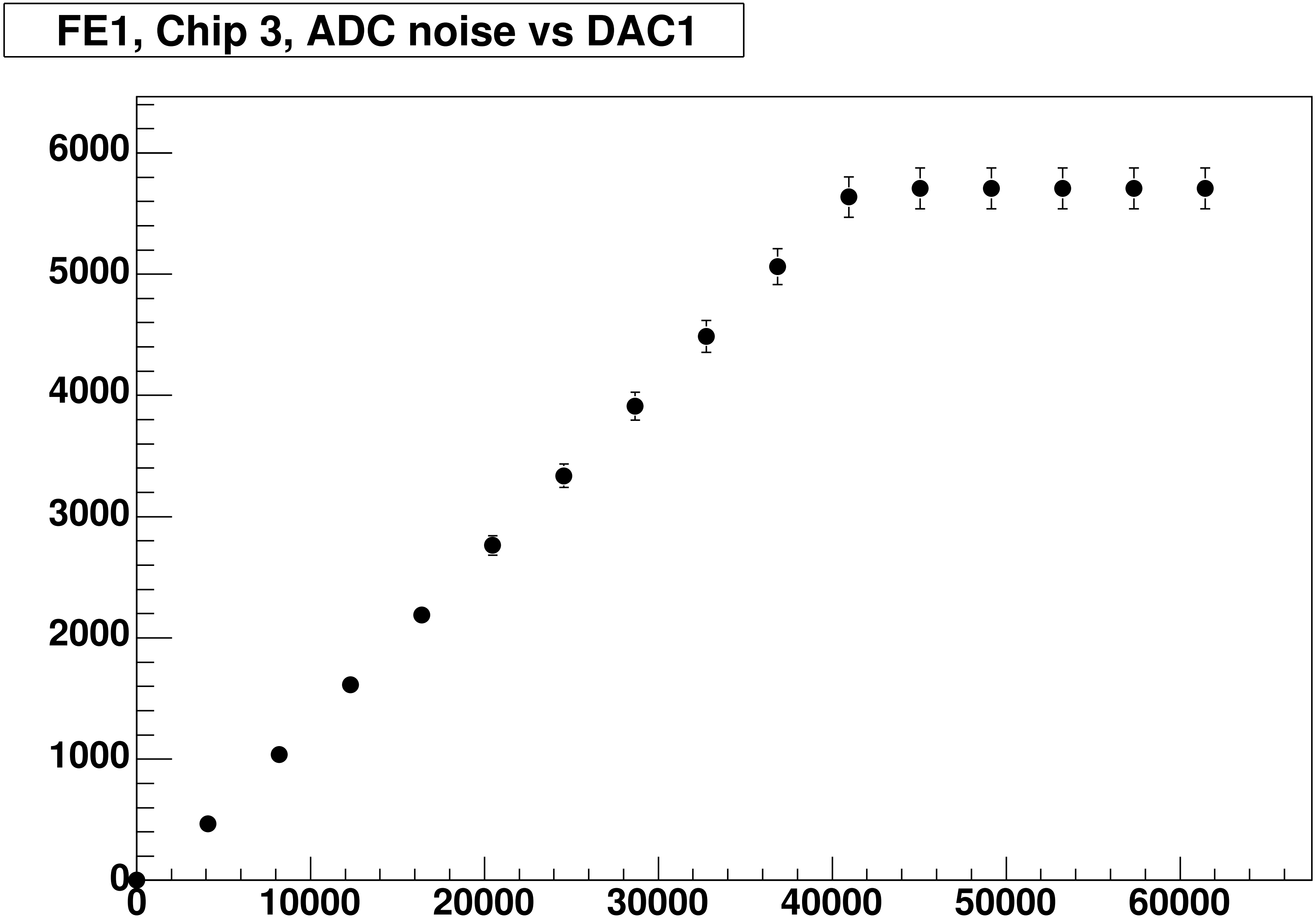


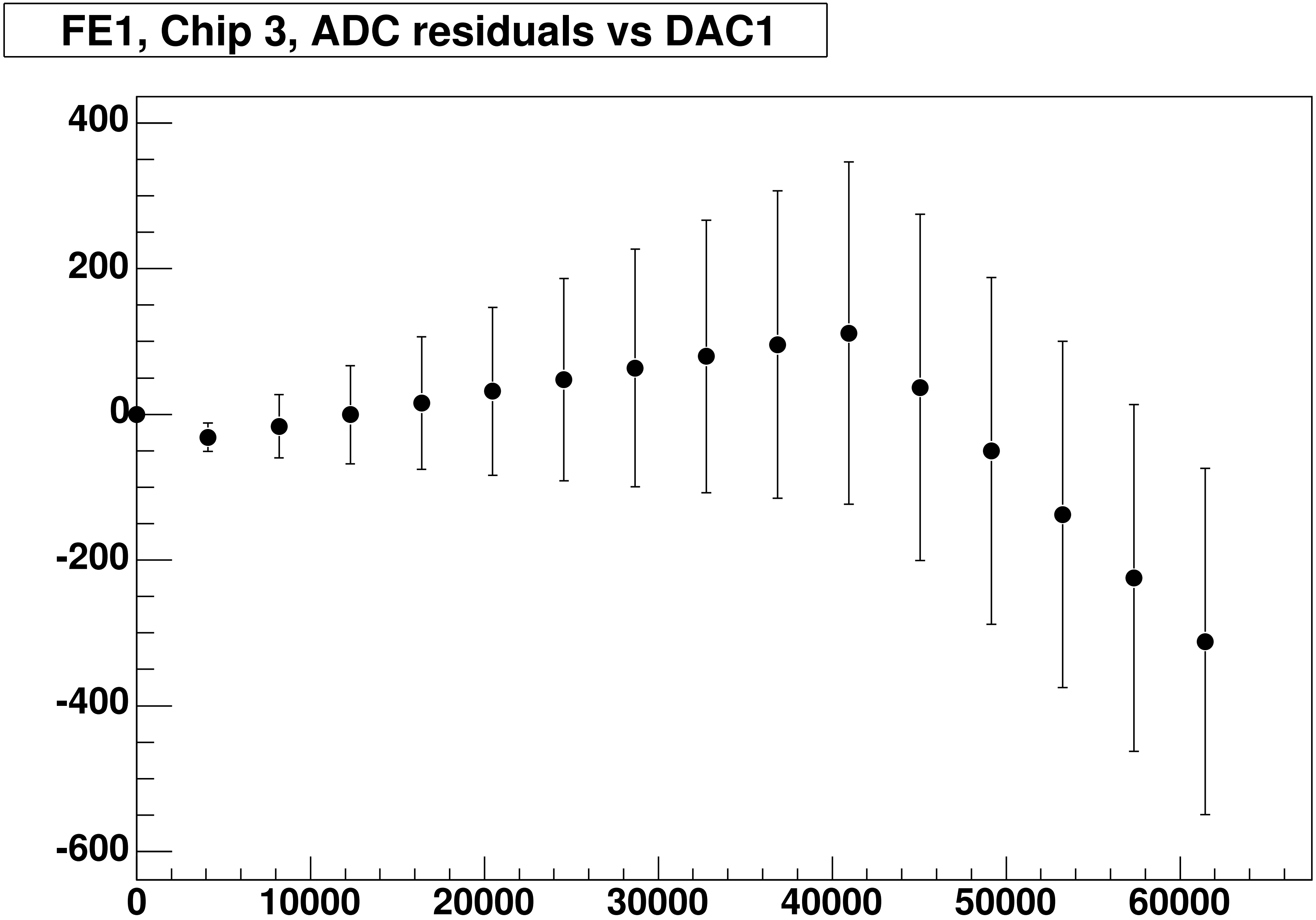
FE1, Chip 3, ADC noise vs DAC0
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

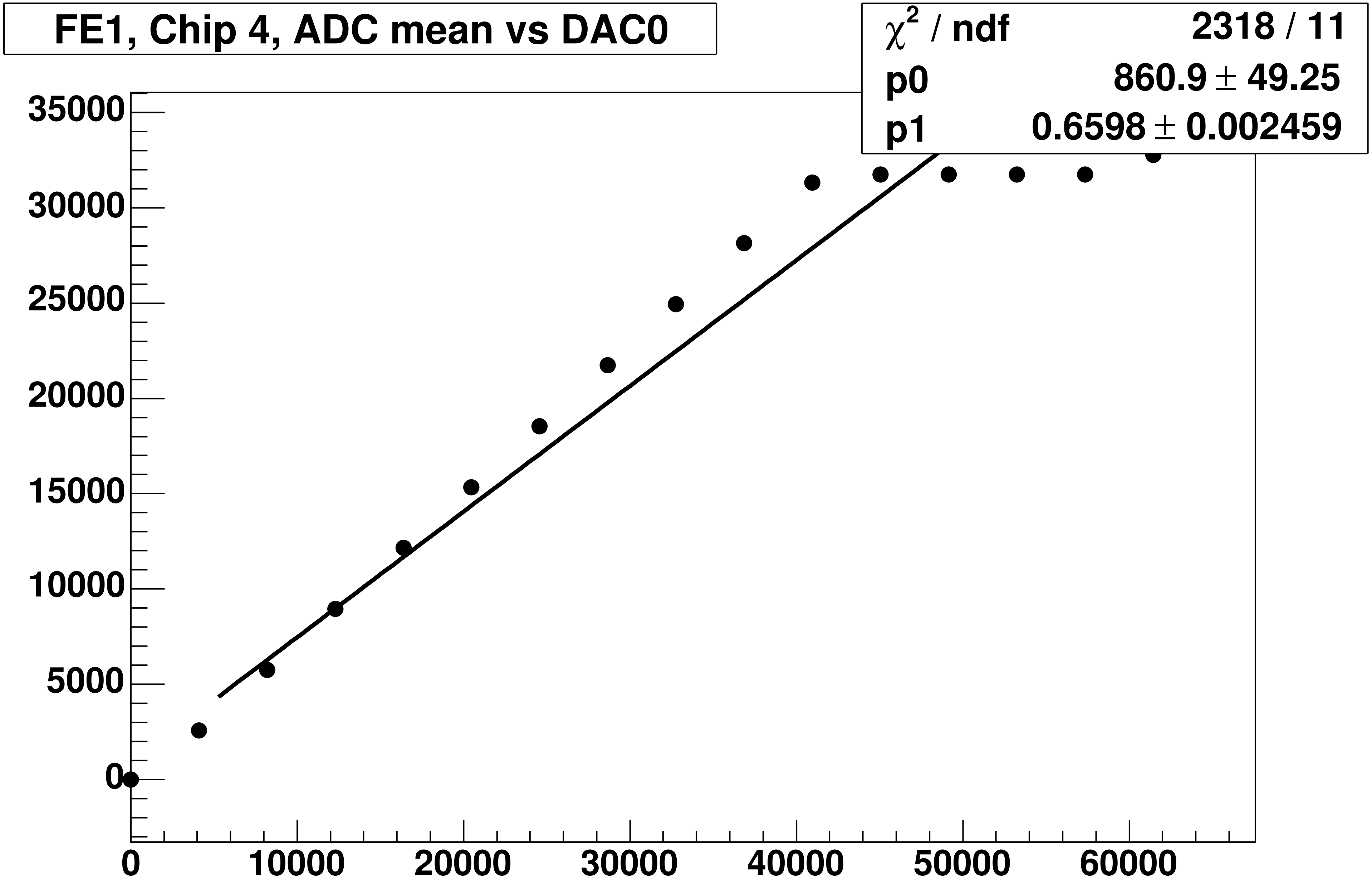

FE1, Chip 3, ADC residuals vs DAC0
4000
2000
0
-2000
-4000
-6000
-8000
0
10000
20000
30000
40000
50000
60000



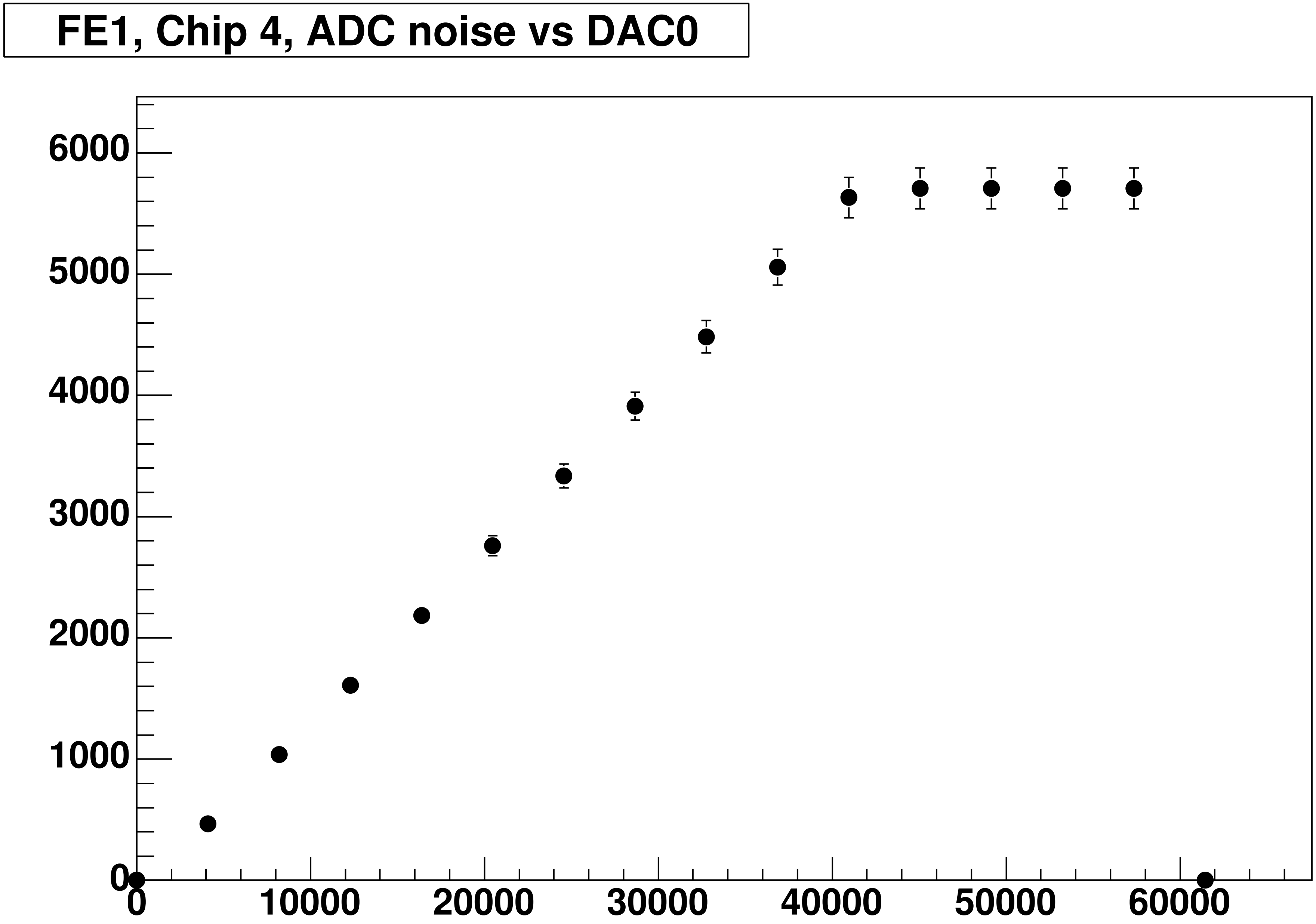
FE1, Chip 3, ADC mean vs DAC1
χ² / ndf 2.425 / 11
p0 20.42 ± 49.28
p1 0.02128 ± 0.00246
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

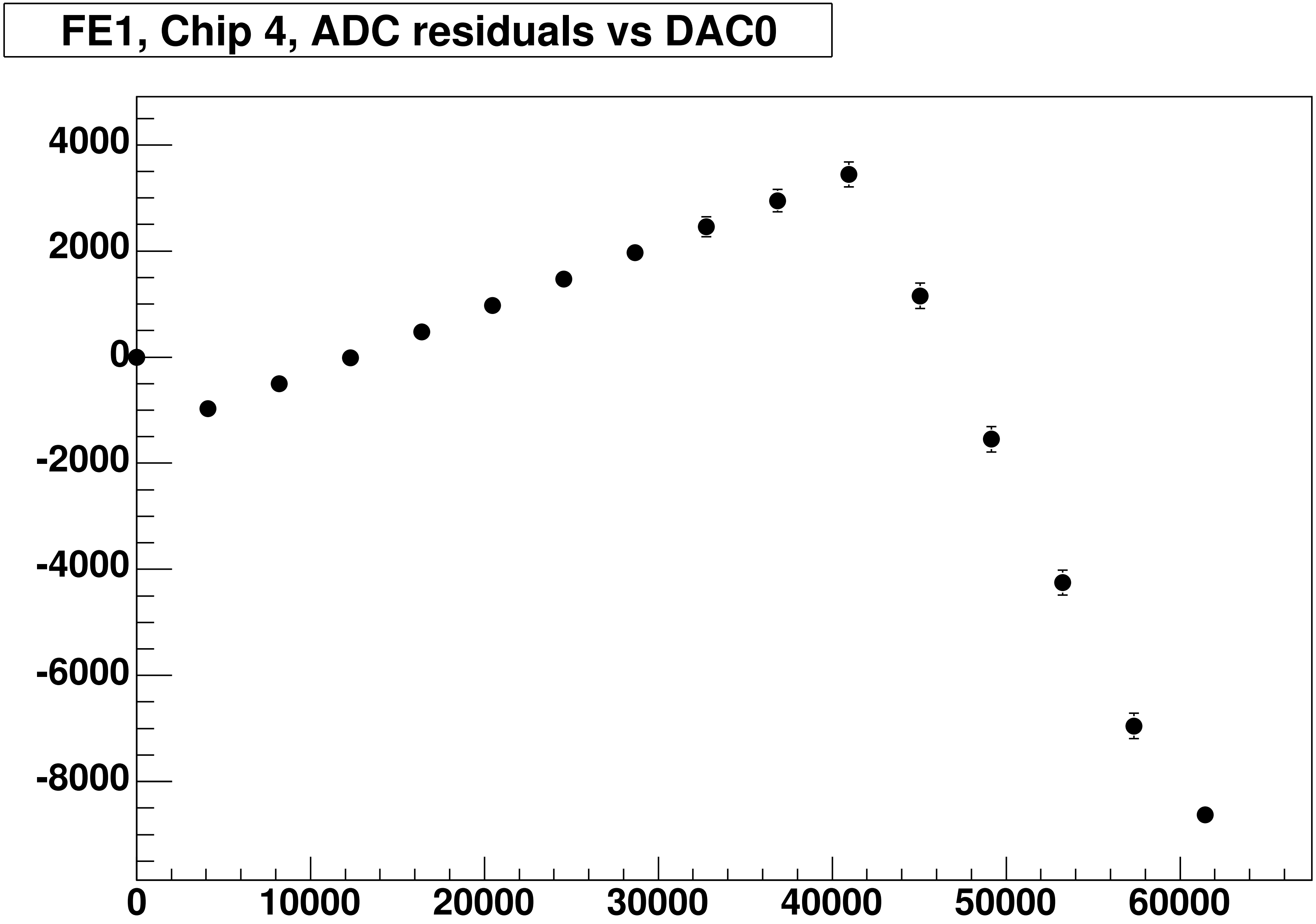

FE1, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

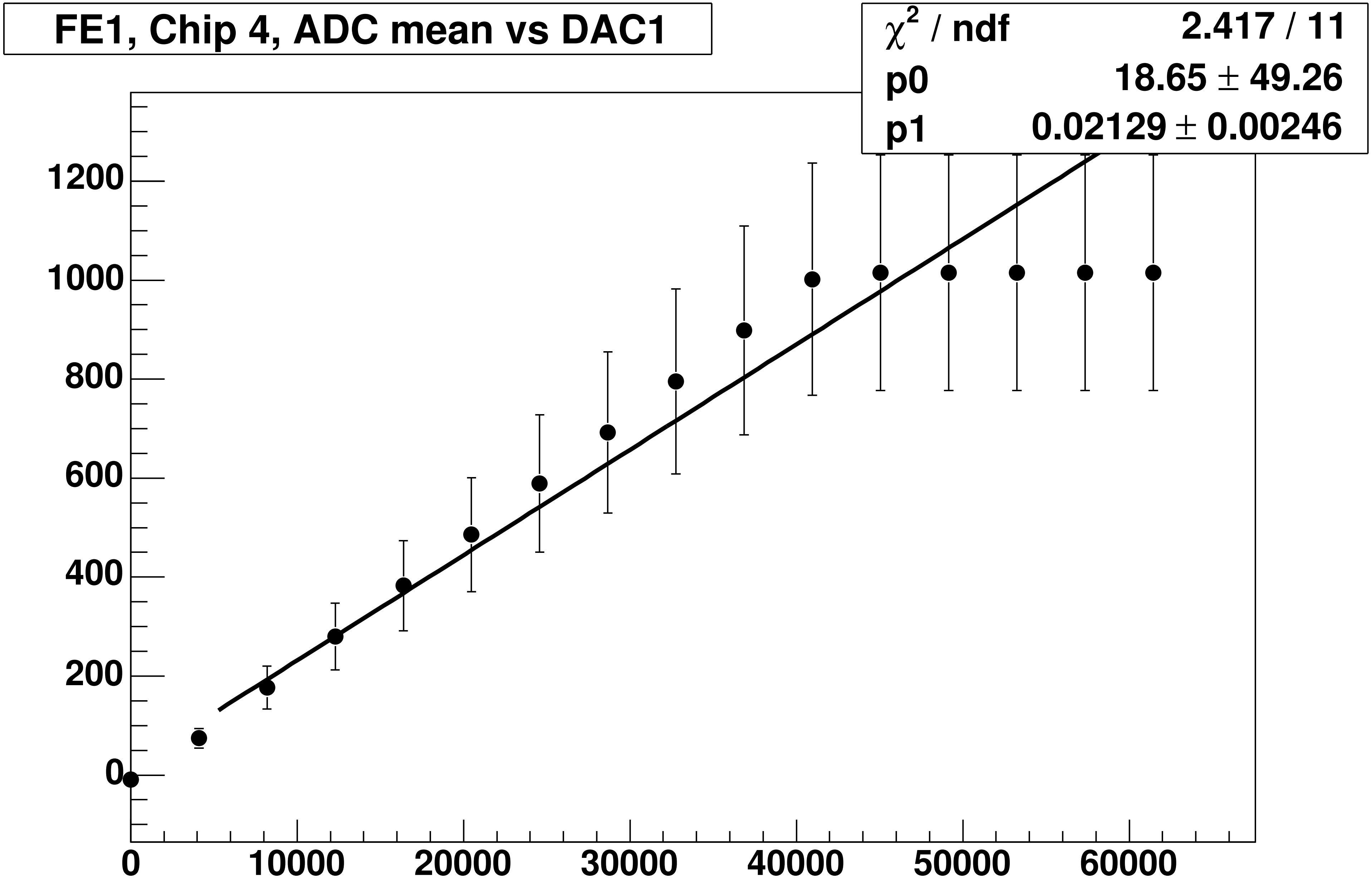

FE1, Chip 3, ADC residuals vs DAC1
400
200
0
-200
-400
-600
0
10000
20000
30000
40000
50000
60000



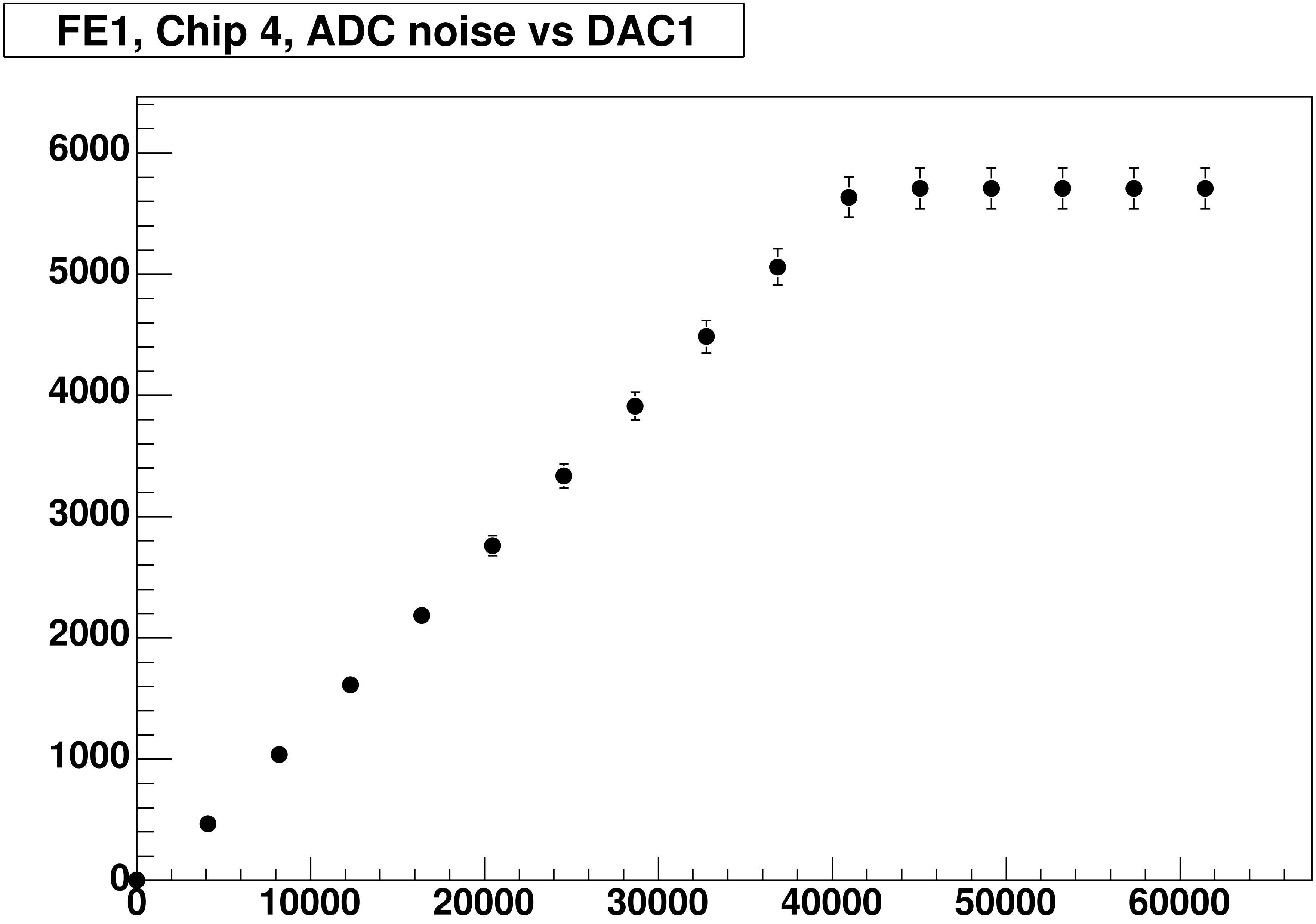
FE1, Chip 4, ADC mean vs DAC0
χ^2 / ndf 2318 / 11
p0 860.9 ± 49.25
p1 0.6598 ± 0.002459
35000
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000

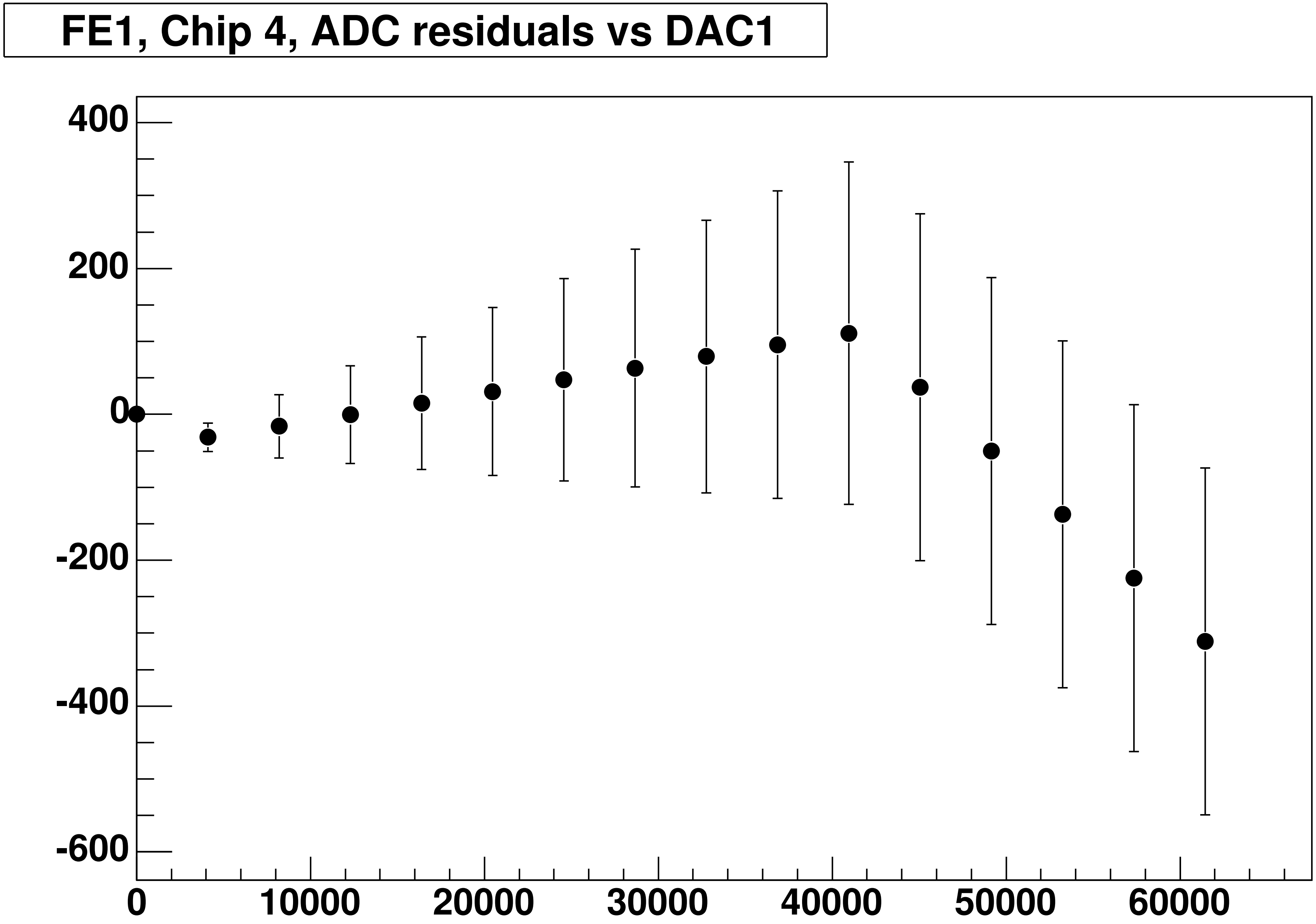

FE1, Chip 4, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 4, ADC residuals vs DAC0
4000
2000
0
-2000
-4000
-6000
-8000
0
10000
20000
30000
40000
50000
60000

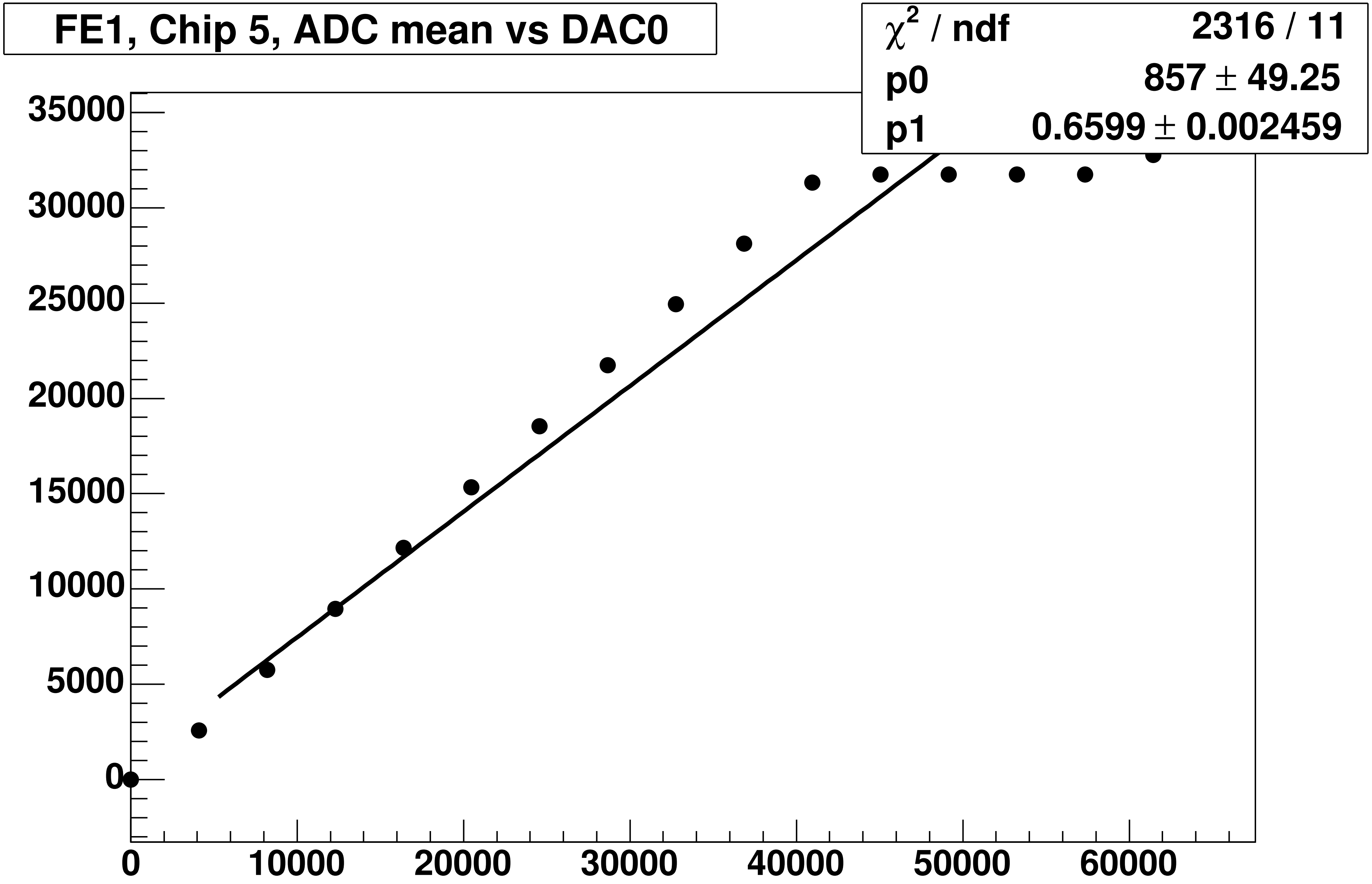


FE1, Chip 4, ADC mean vs DAC1
χ^2 / ndf 2.417 / 11
p0 18.65 ± 49.26
p1 0.02129 ± 0.00246
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

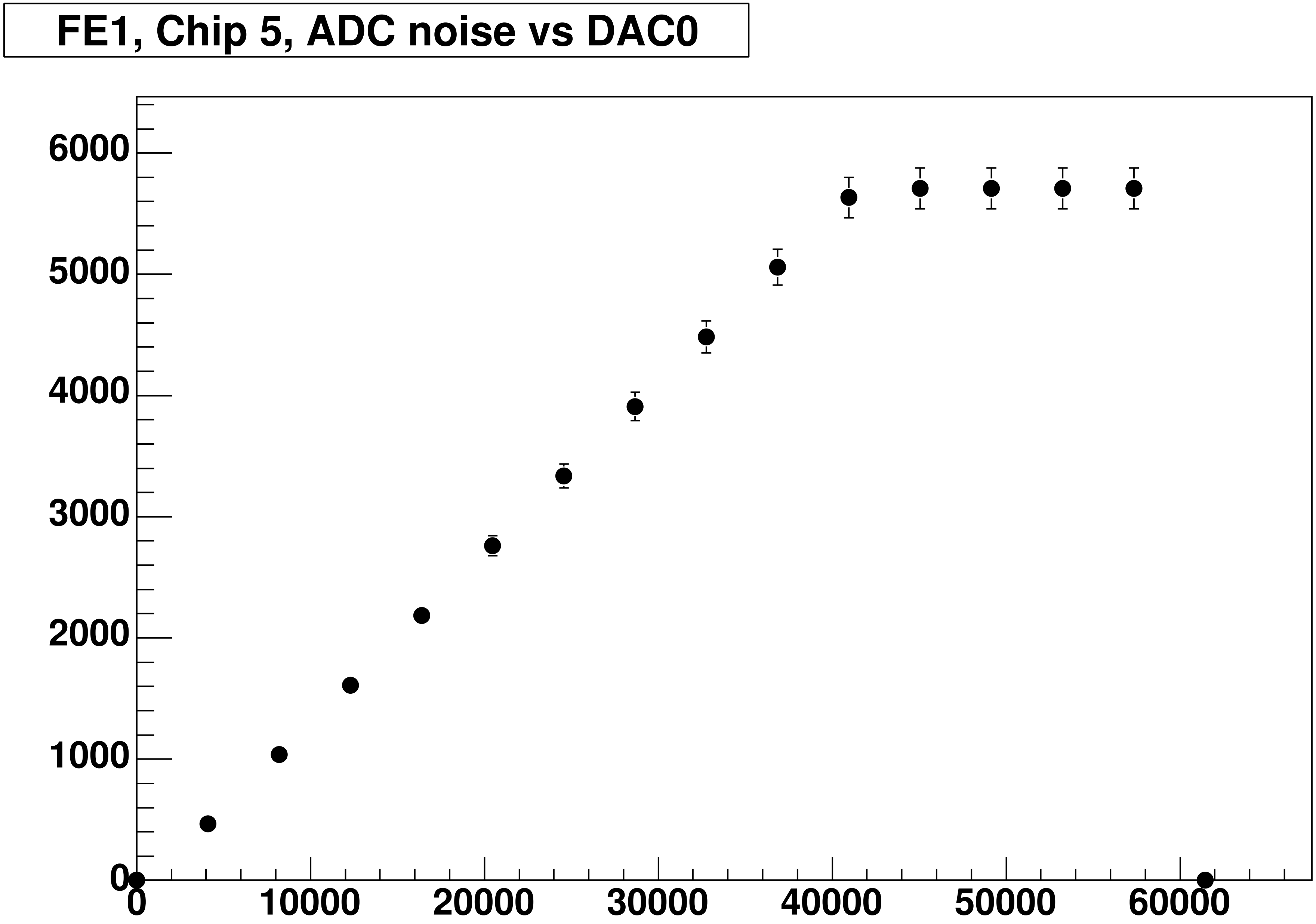

FE1, Chip 4, ADC noise vs DAC1
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

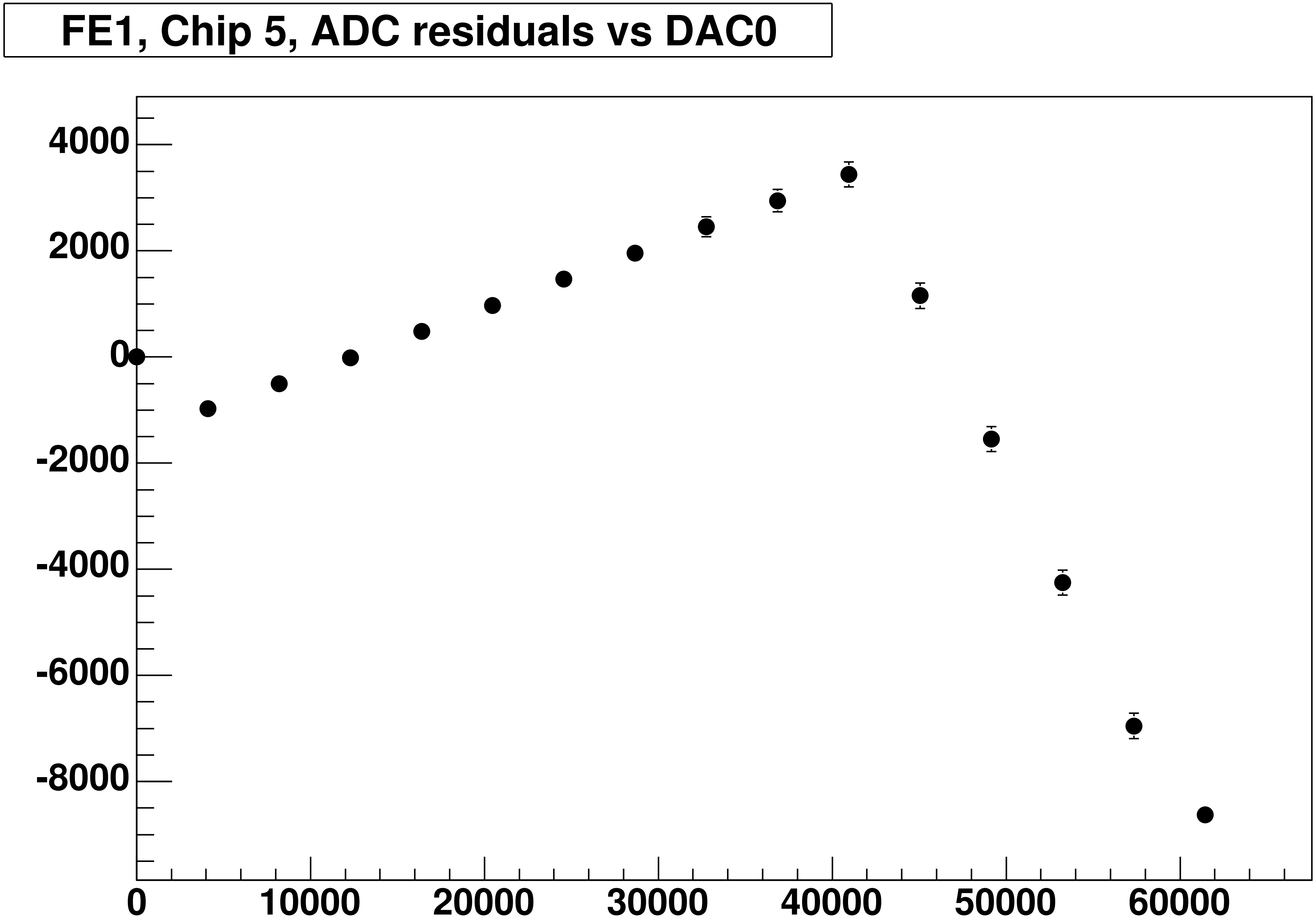


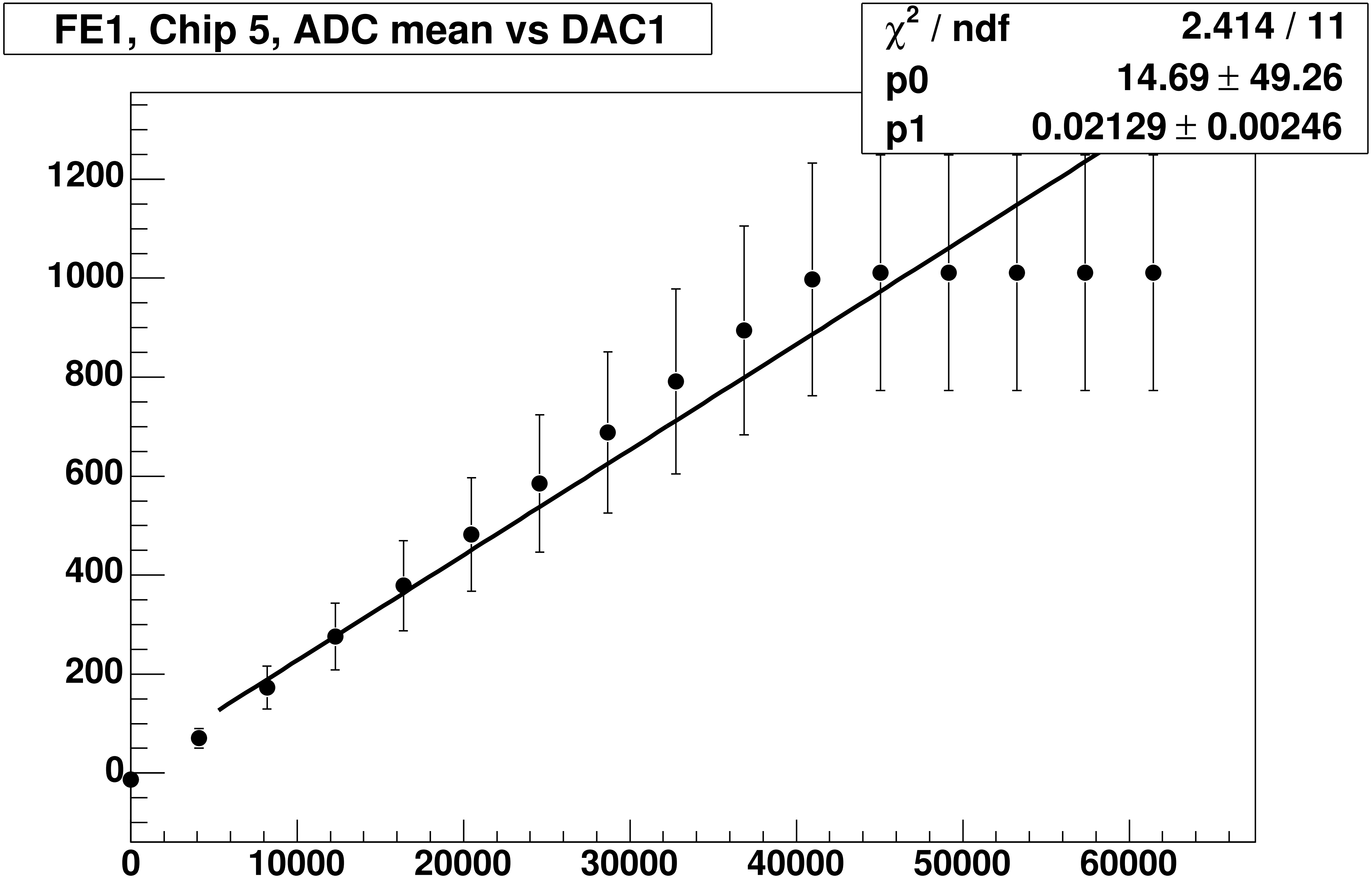
FE1, Chip 4, ADC residuals vs DAC1
400
200
0
-200
-400
-600
0
10000
20000
30000
40000
50000
60000

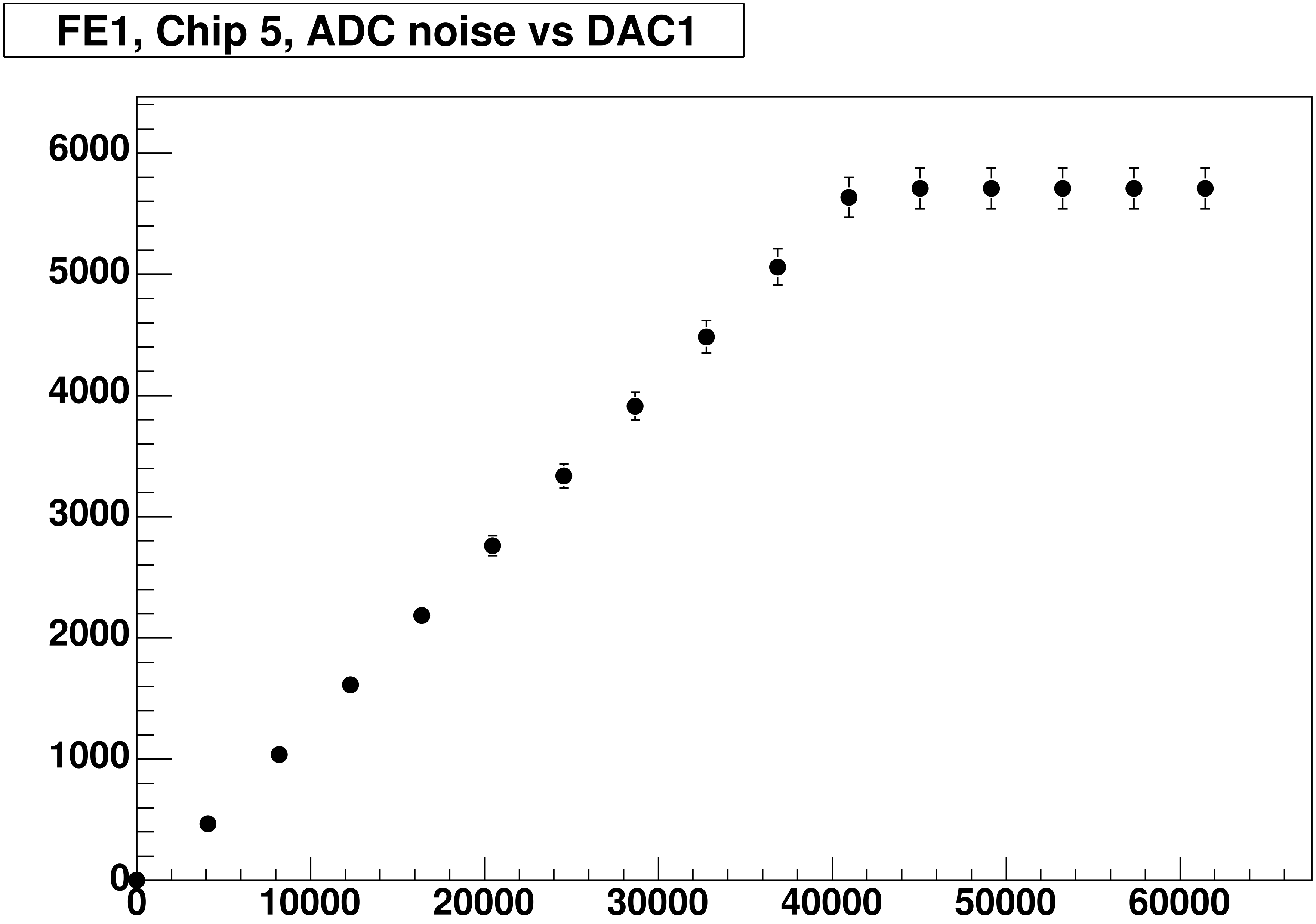


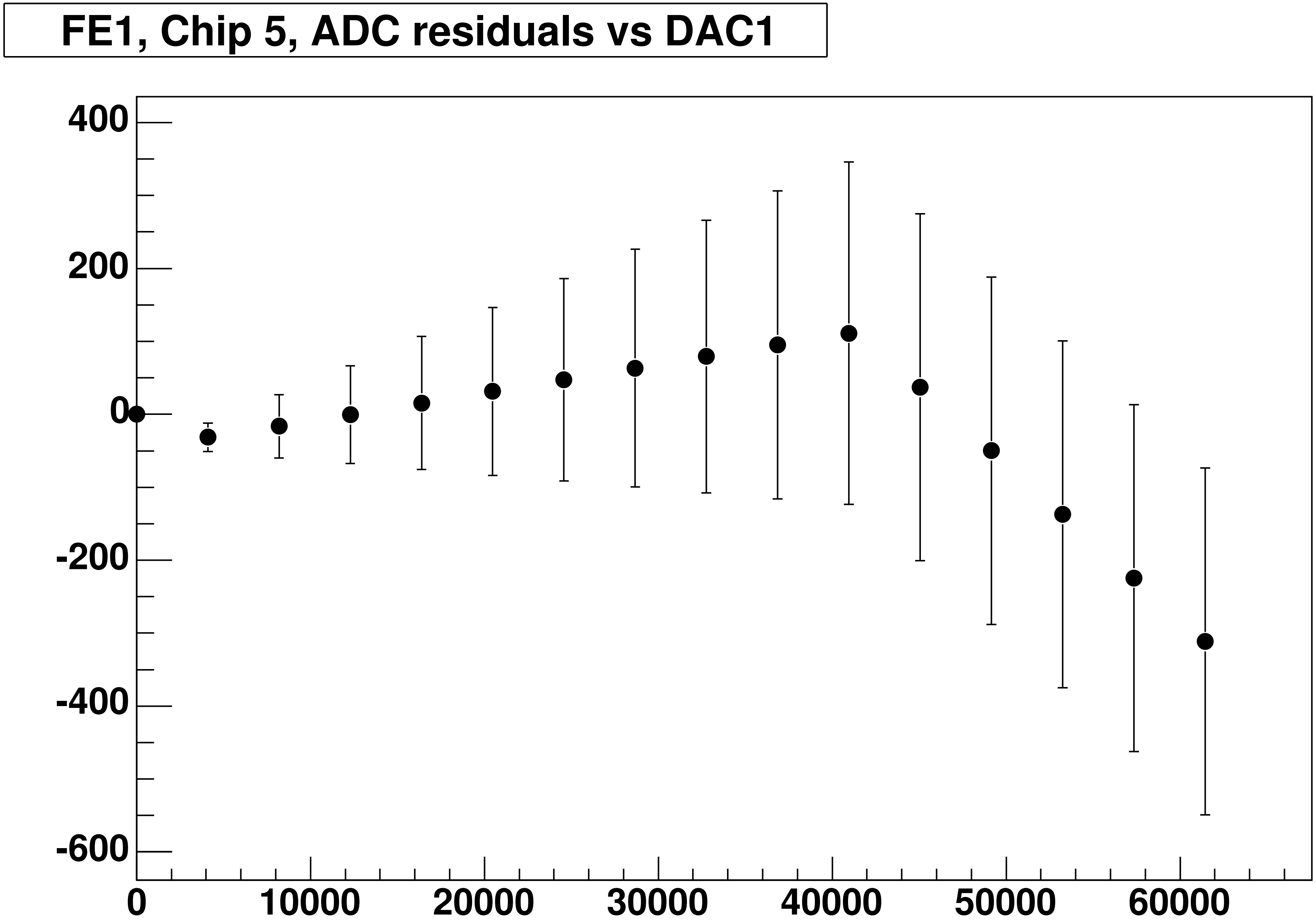
FE1, Chip 5, ADC mean vs DAC0
χ^2 / ndf 2316 / 11
p0 857 ± 49.25
p1 0.6599 ± 0.002459
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 5, ADC noise vs DAC0
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

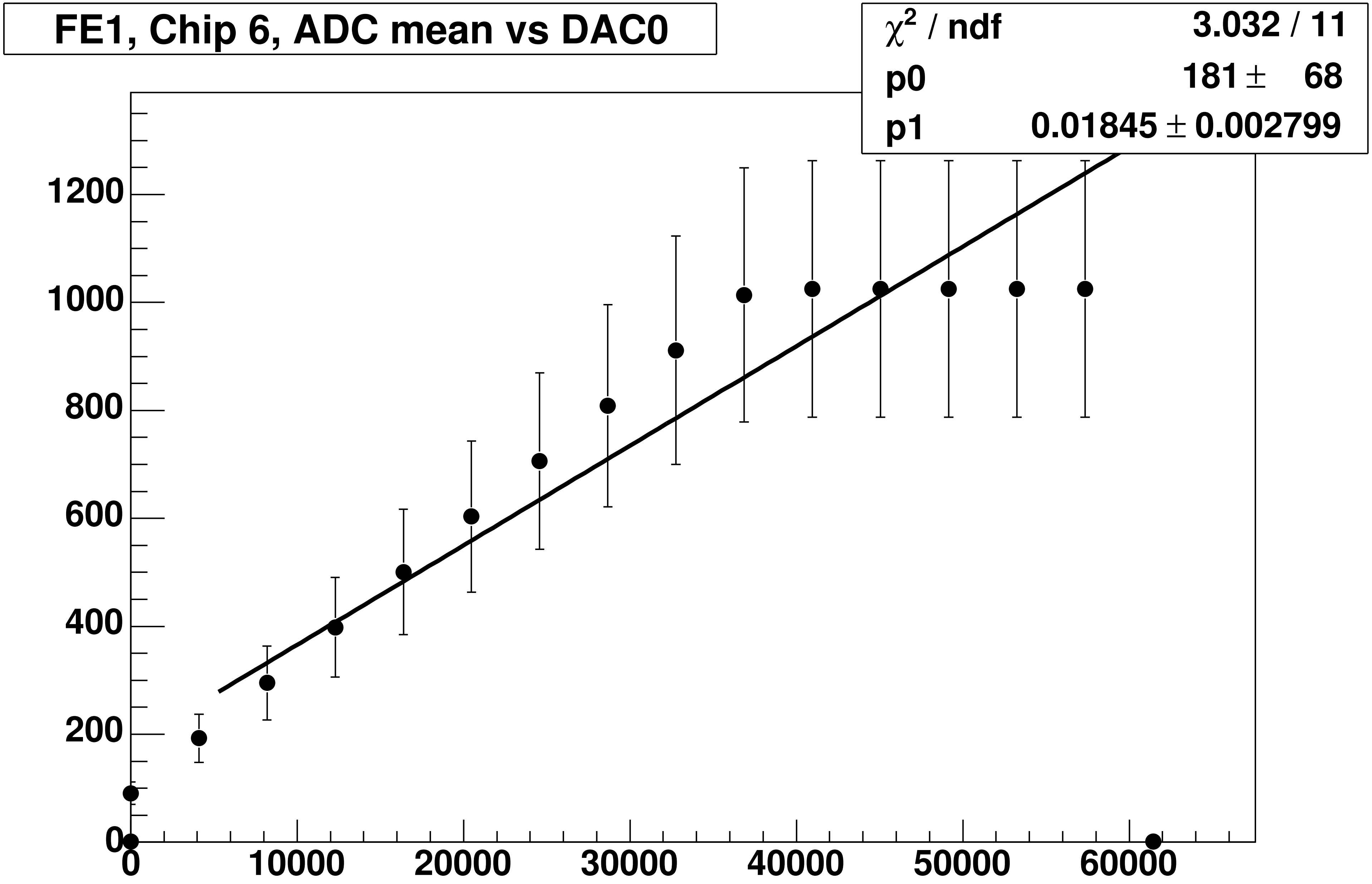

FE1, Chip 5, ADC residuals vs DAC0
4000
2000
0
-2000
-4000
-6000
-8000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 5, ADC mean vs DAC1
χ2 / ndf 2.414 / 11
p0 14.69 ± 49.26
p1 0.02129 ± 0.00246
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

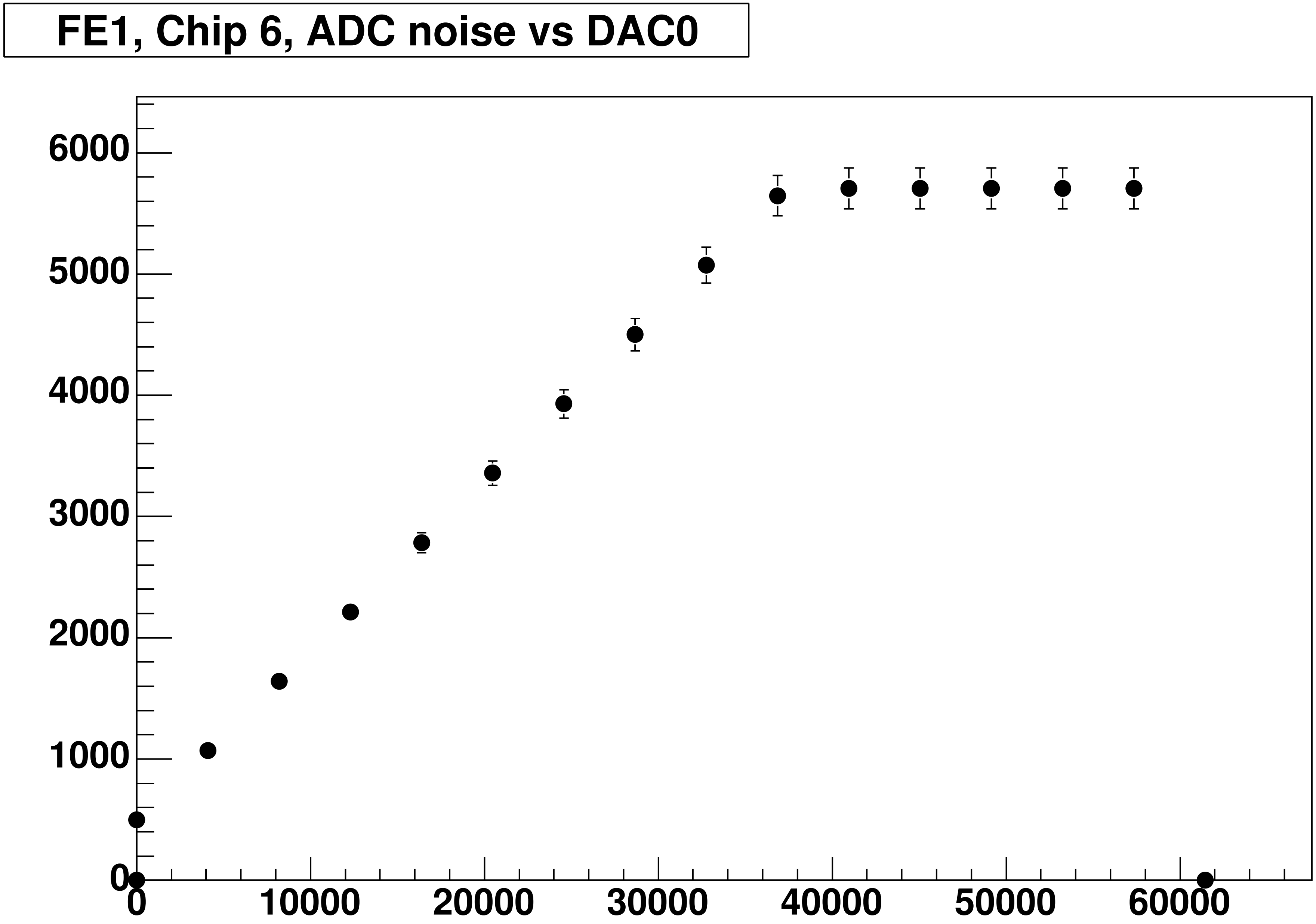

FE1, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

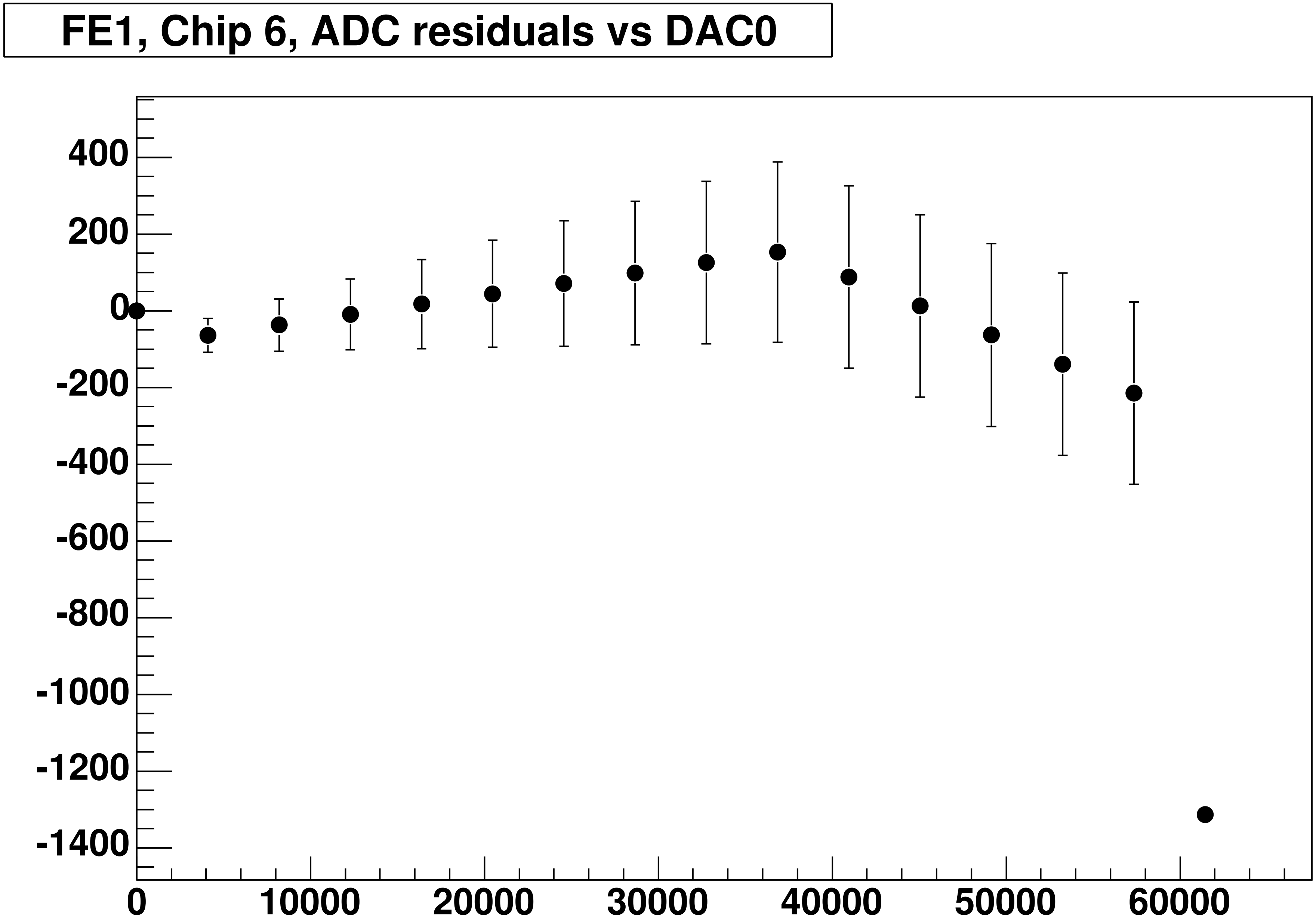


FE1, Chip 5, ADC residuals vs DAC1
400
200
0
-200
-400
-600
0
10000
20000
30000
40000
50000
60000

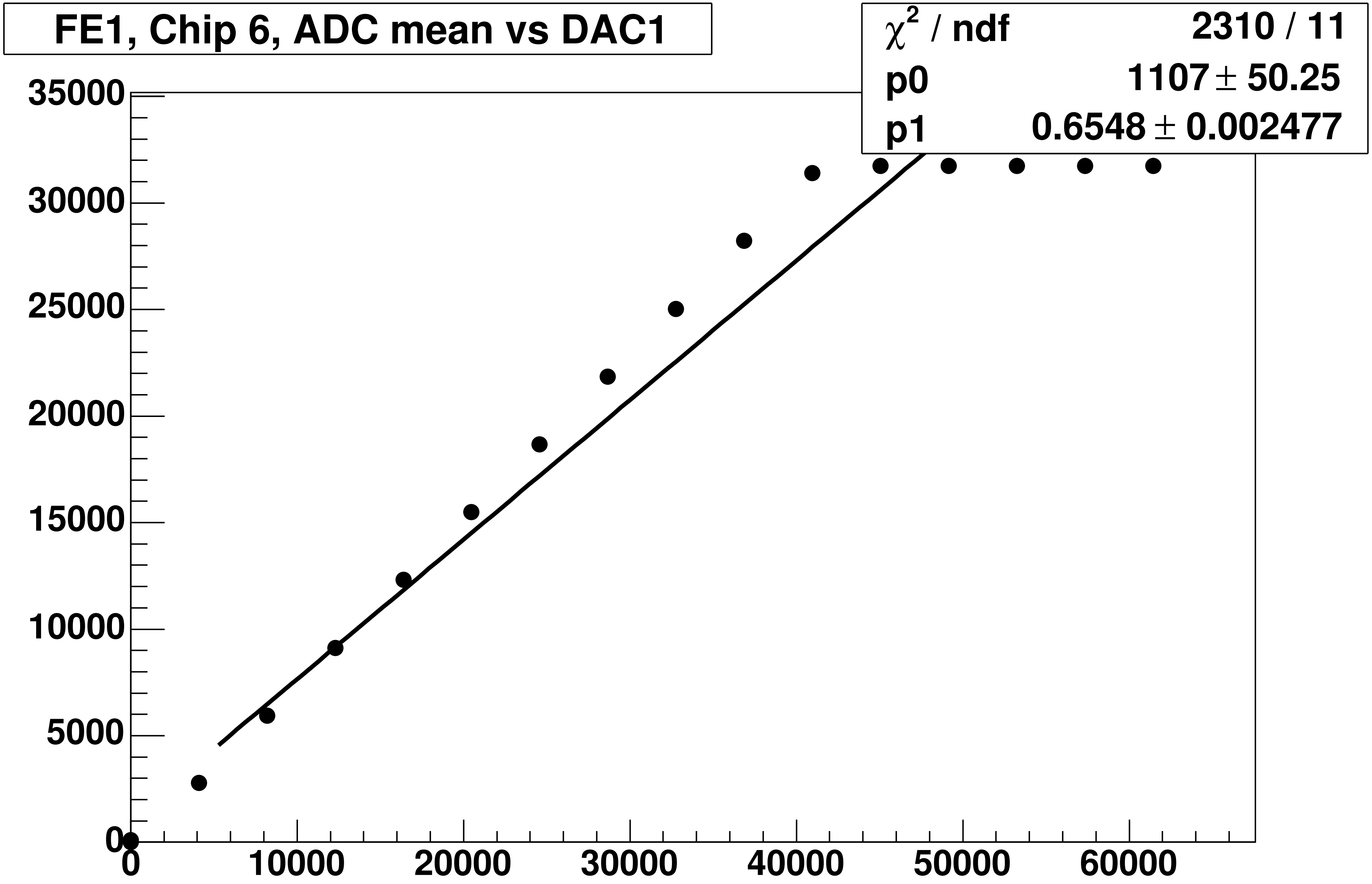


FE1, Chip 6, ADC mean vs DAC0
χ^2 / ndf 3.032 / 11
p0 181 ± 68
p1 0.01845 ± 0.002799
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

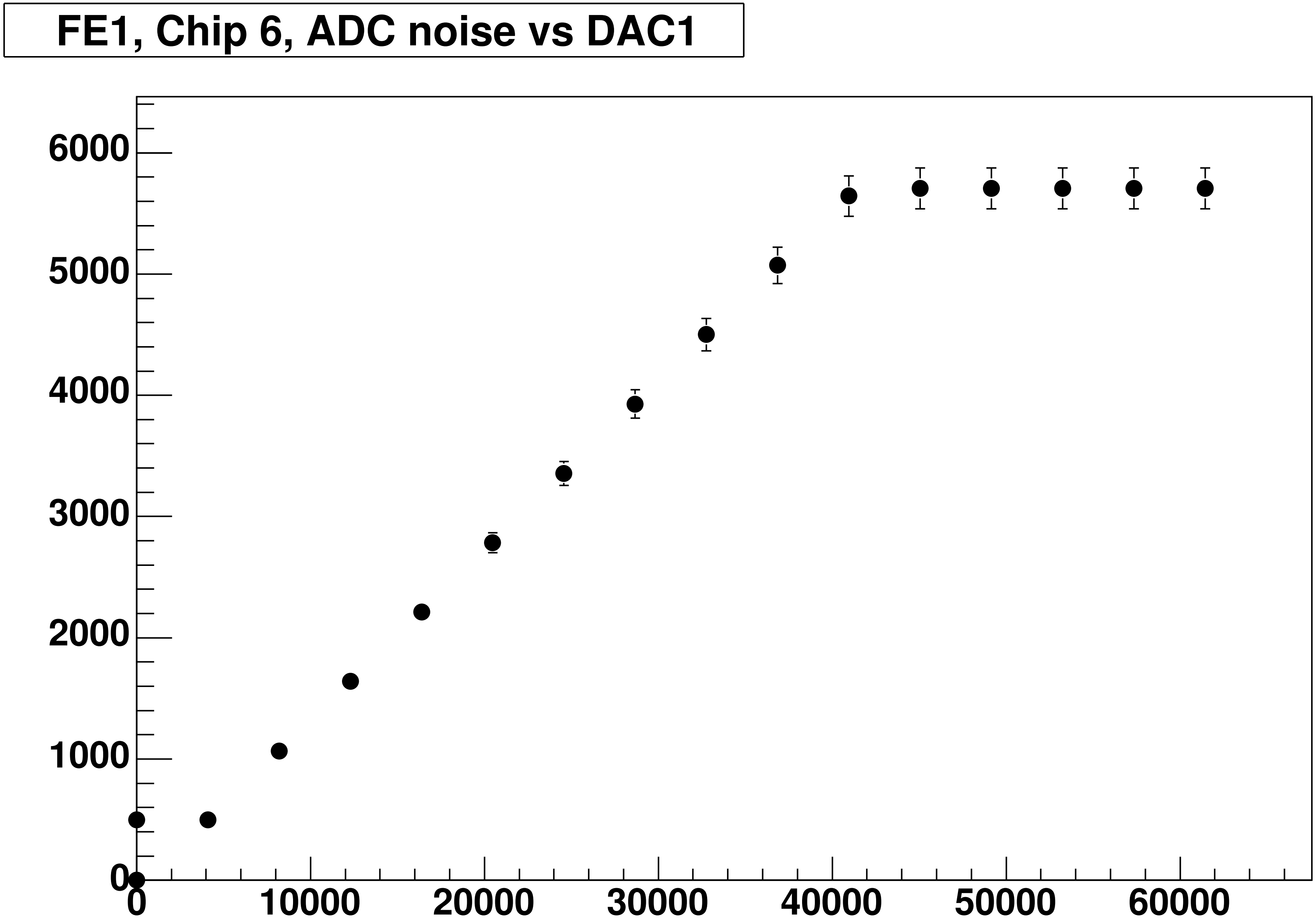

FE1, Chip 6, ADC noise vs DAC0
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

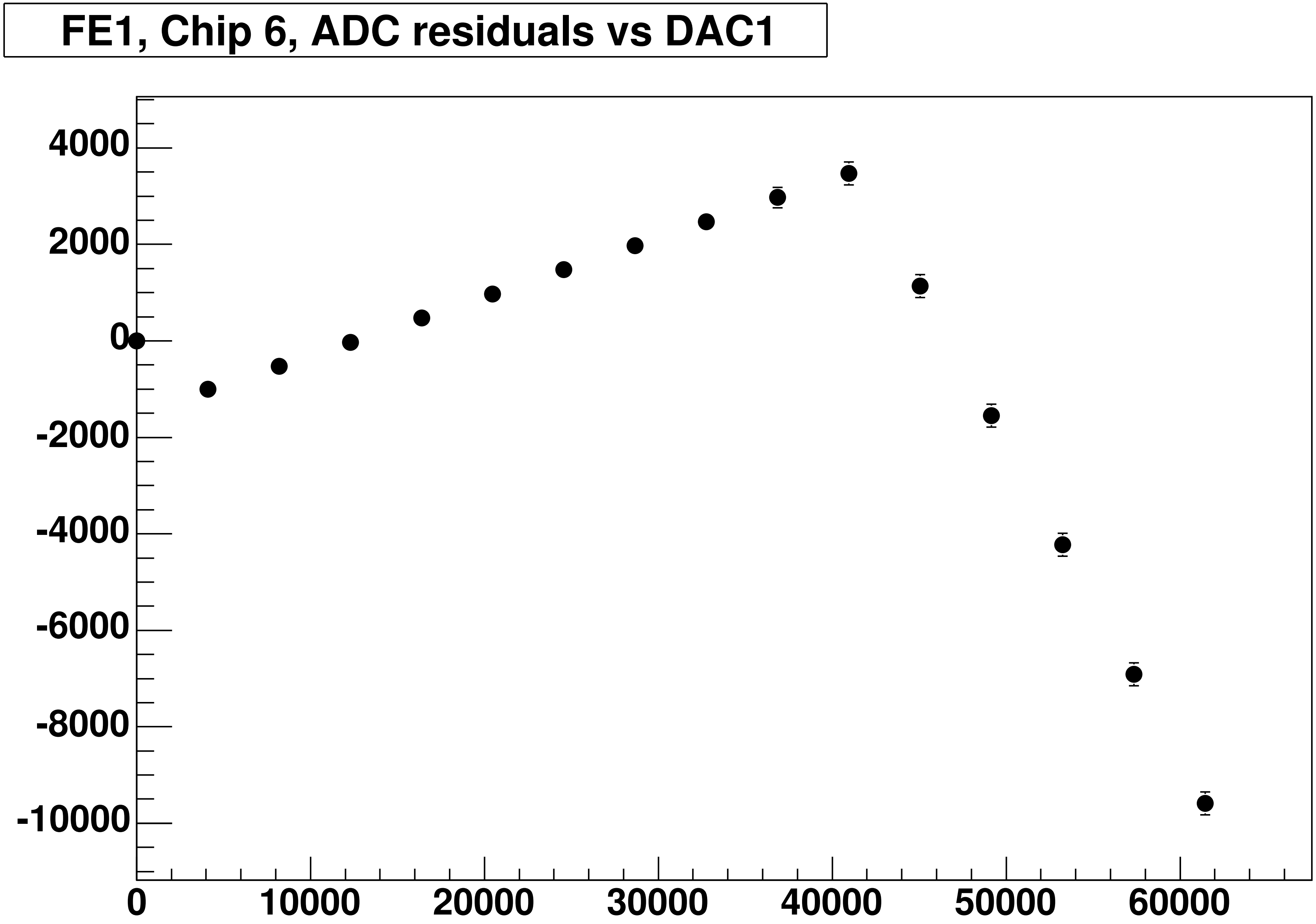


FE1, Chip 6, ADC residuals vs DAC0
400
200
0
-200
-400
-600
-800
-1000
-1200
-1400
0
10000
20000
30000
40000
50000
60000

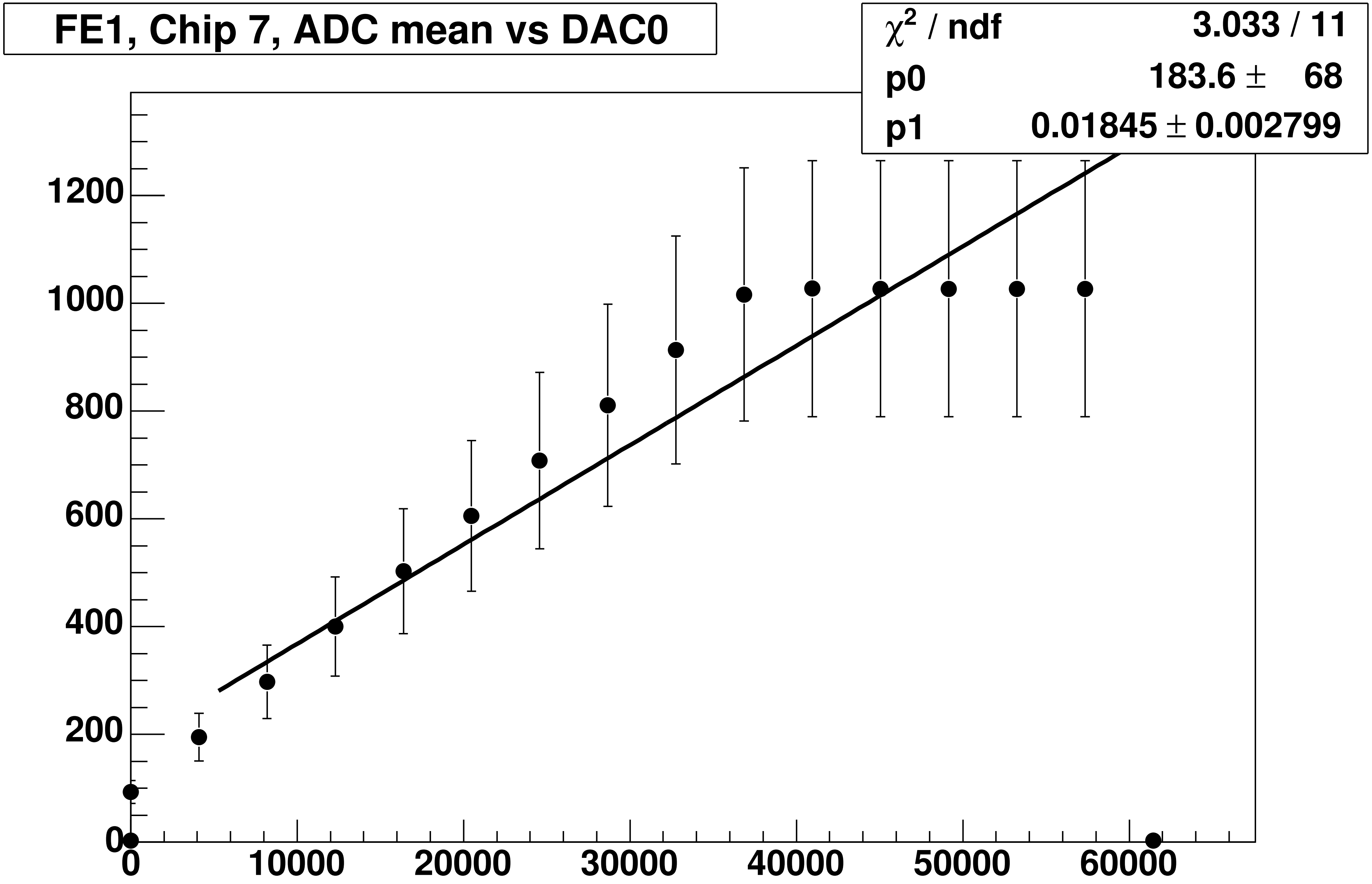


FE1, Chip 6, ADC mean vs DAC1
χ² / ndf 2310 / 11
p0 1107 ± 50.25
p1 0.6548 ± 0.002477
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

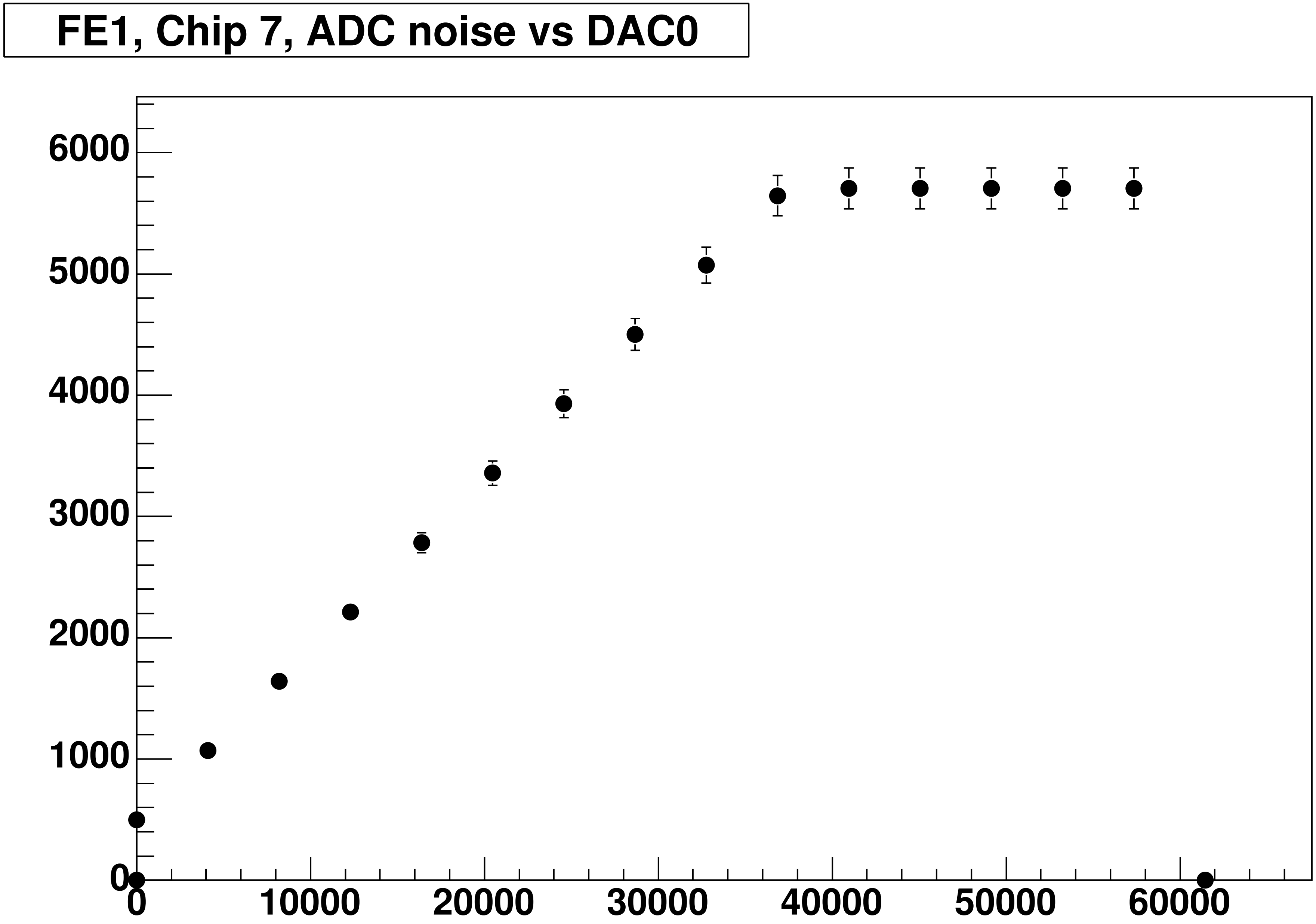

FE1, Chip 6, ADC noise vs DAC1
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

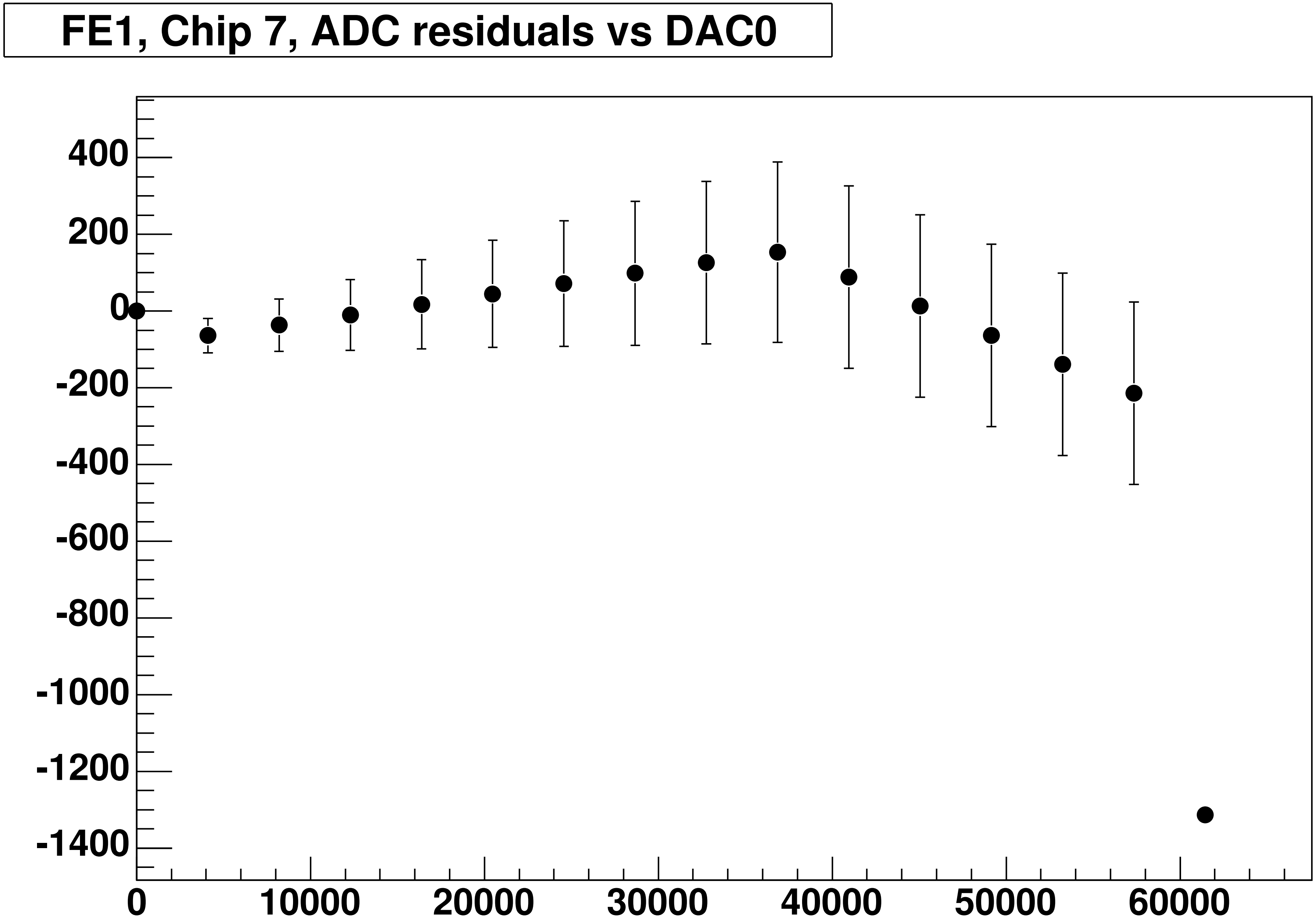


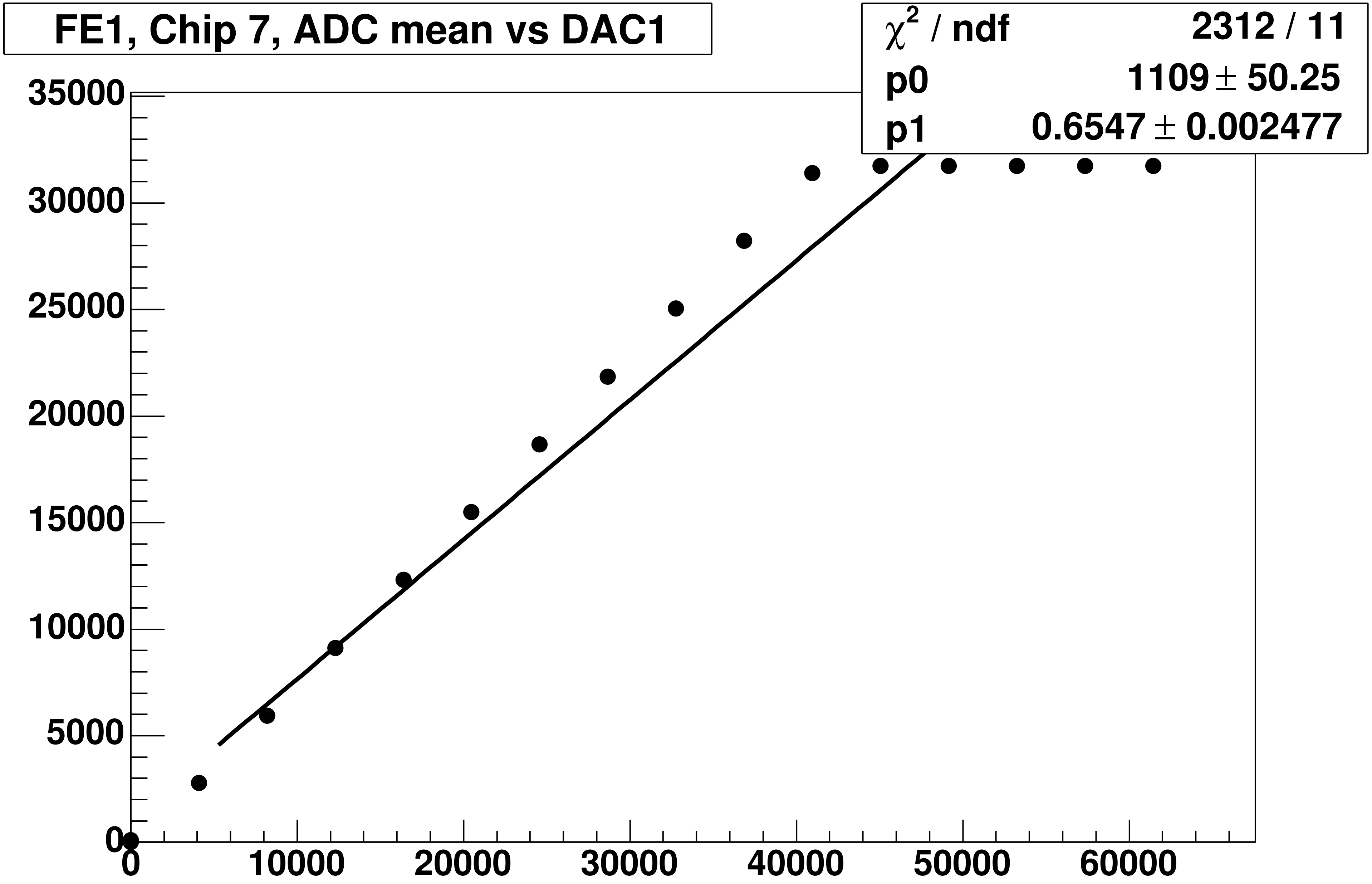
FE1, Chip 6, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
-10000
0
10000
20000
30000
40000
50000
60000

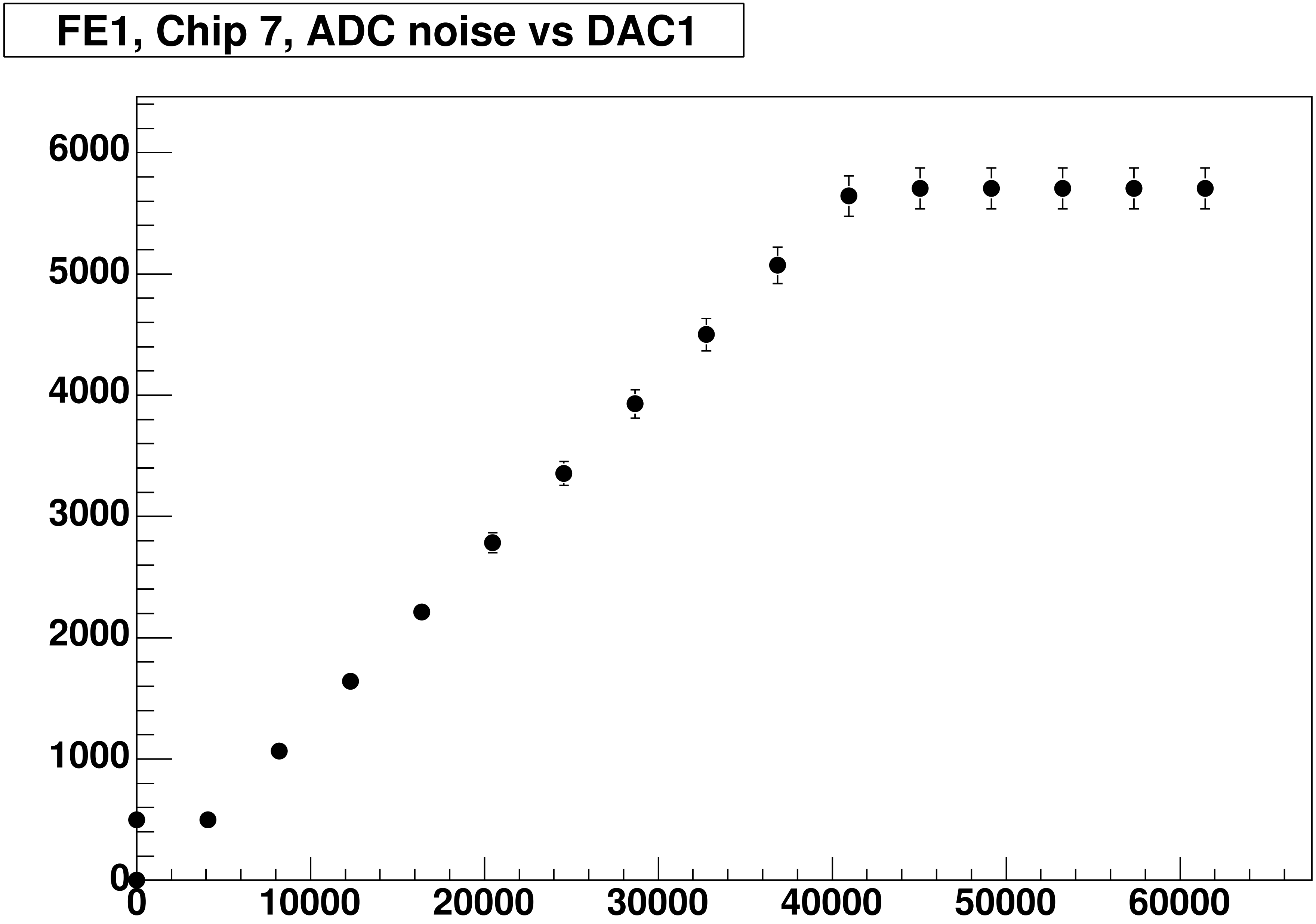


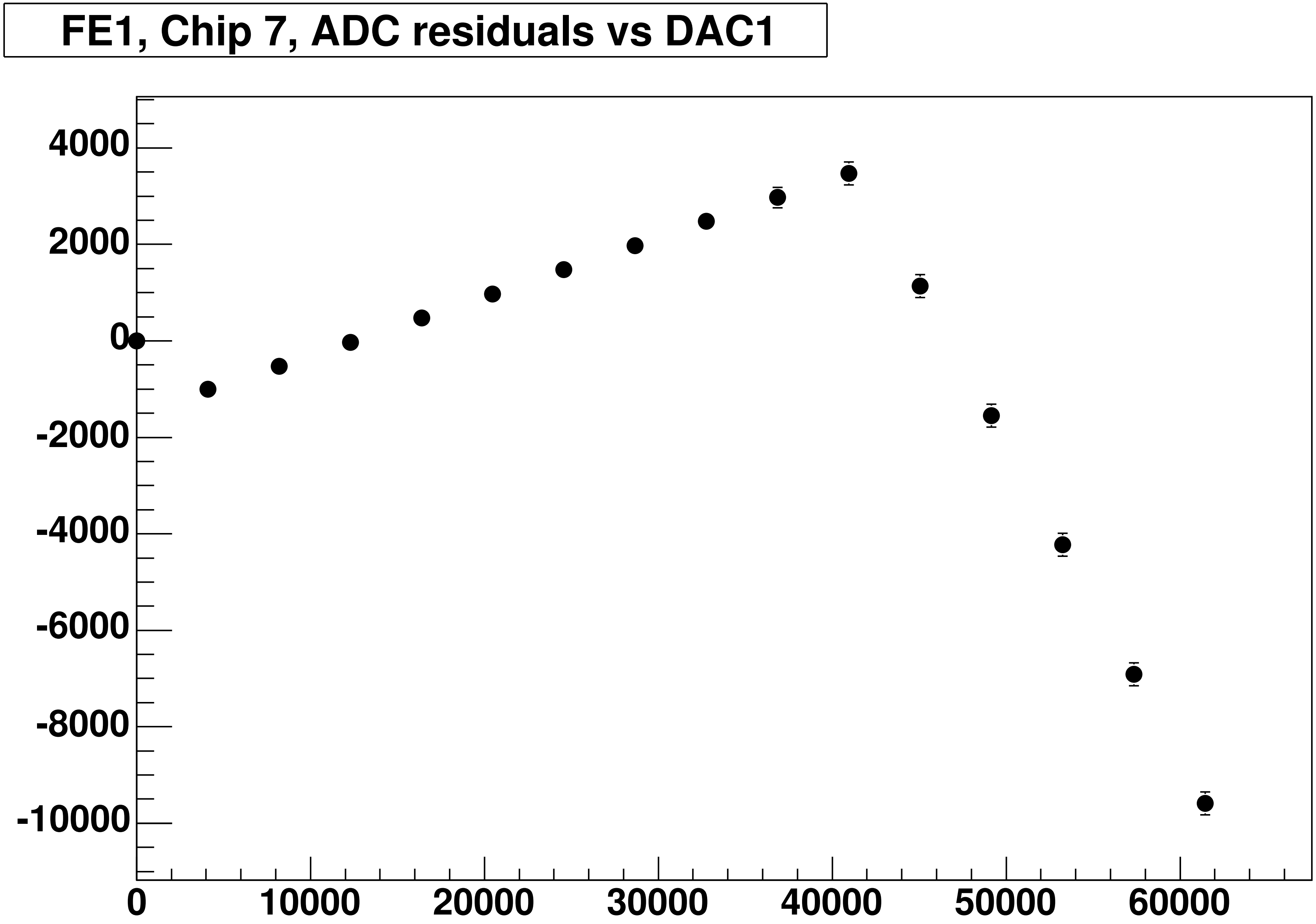
FE1, Chip 7, ADC mean vs DAC0
χ^2 / ndf 3.033 / 11
p0 183.6 ± 68
p1 0.01845 ± 0.002799
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

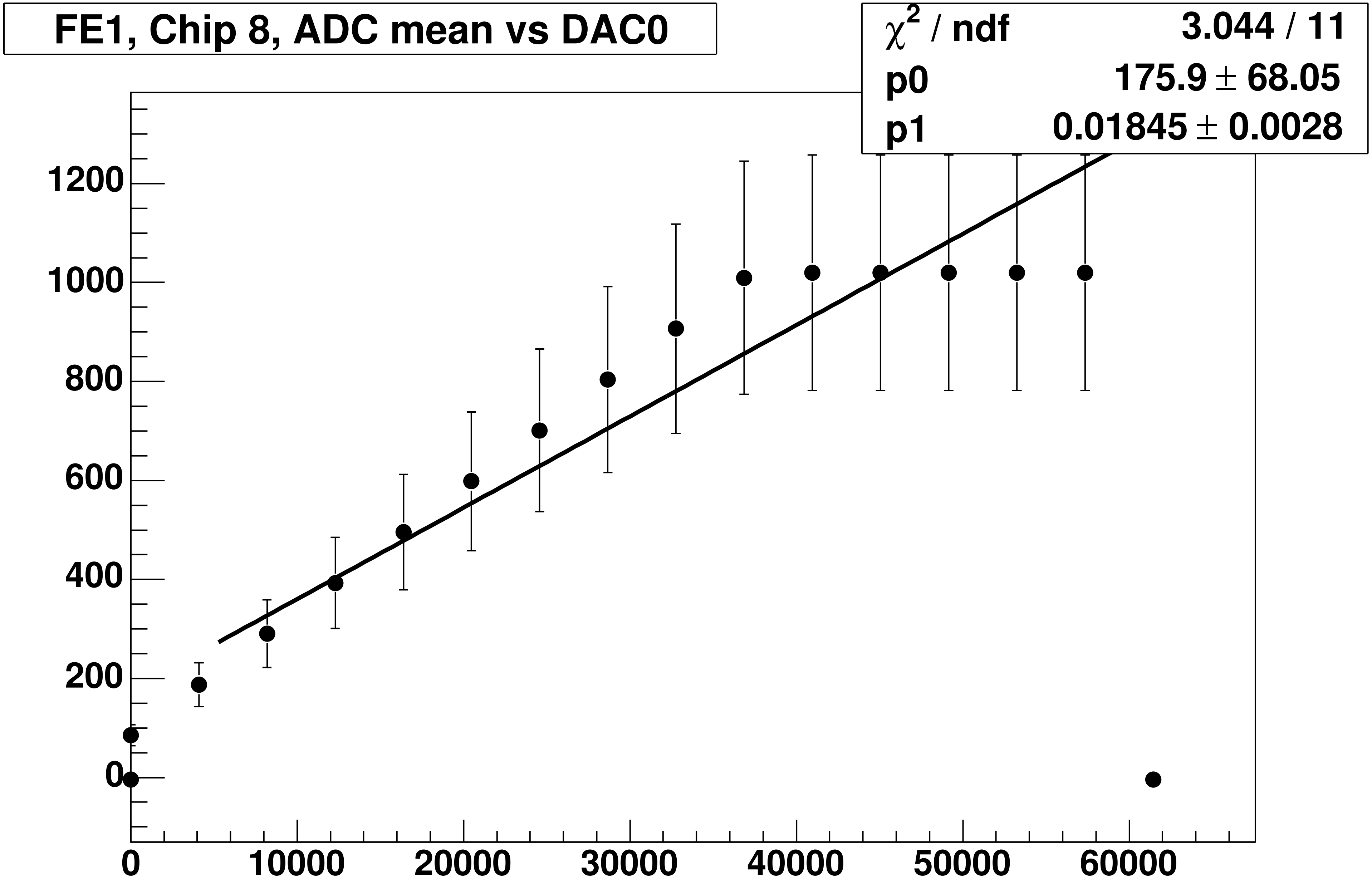

FE1, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

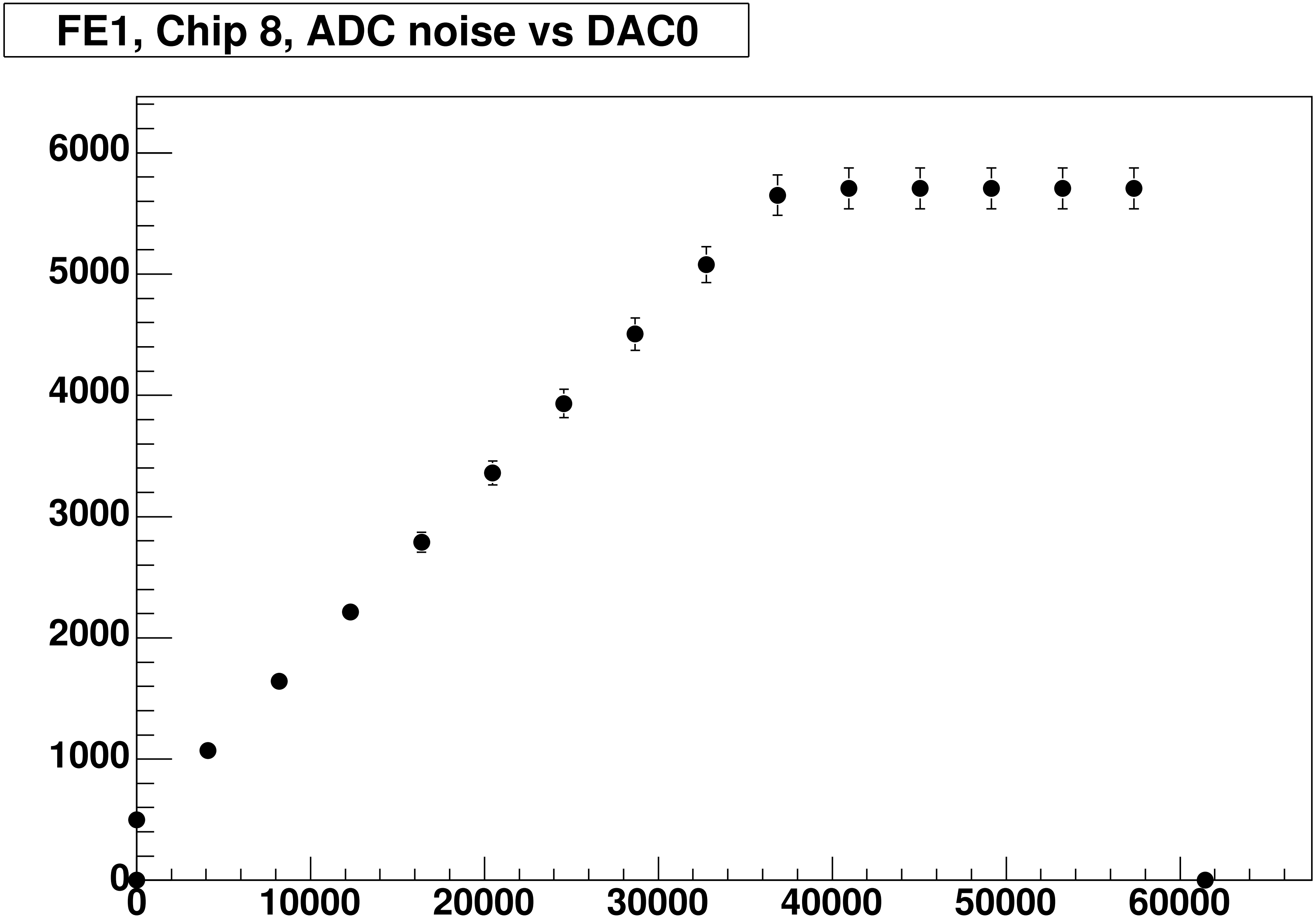

FE1, Chip 7, ADC residuals vs DAC0
400
200
0
-200
-400
-600
-800
-1000
-1200
-1400
0
10000
20000
30000
40000
50000
60000

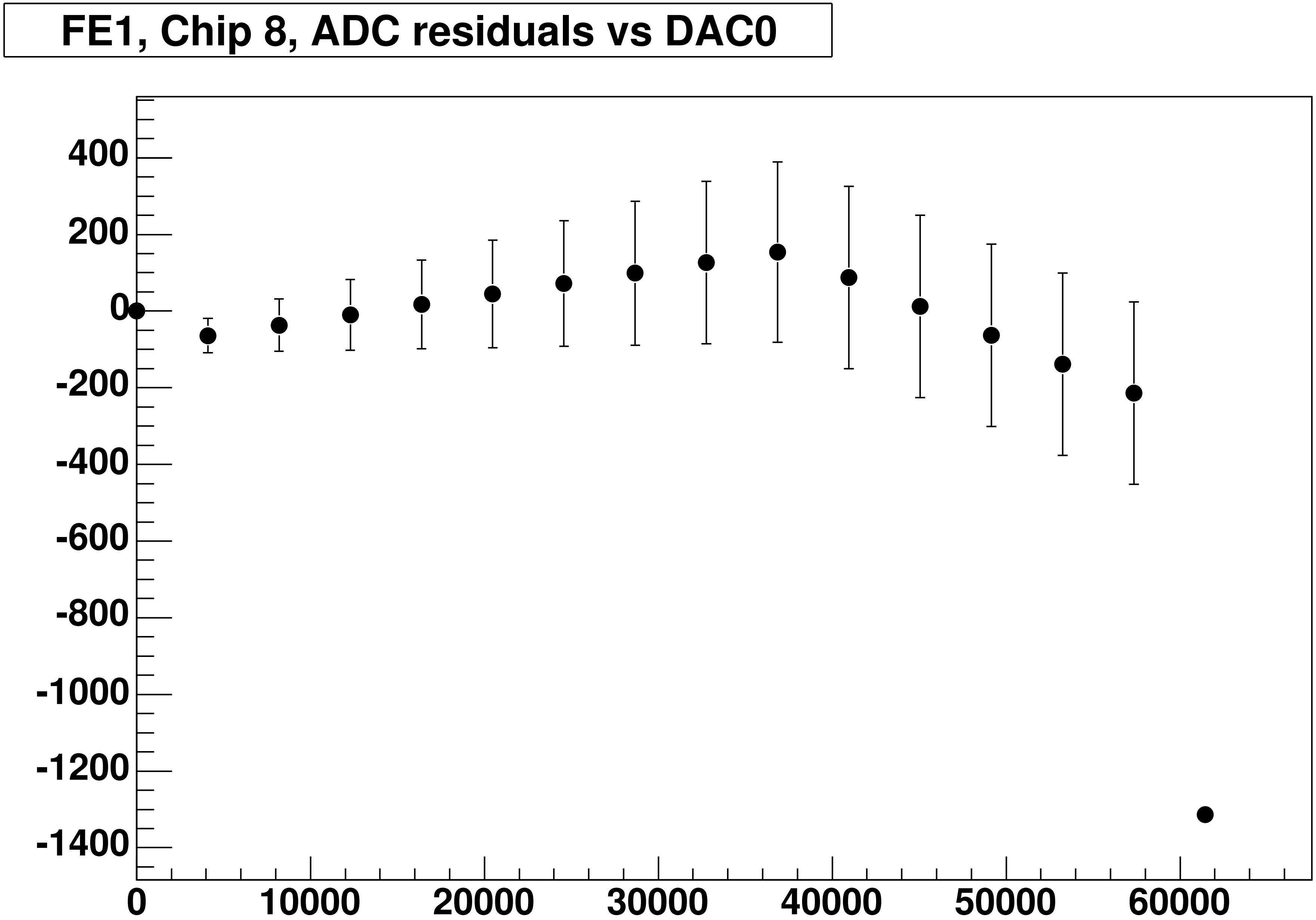

FE1, Chip 7, ADC mean vs DAC1
χ^2 / ndf 2312 / 11
p0 1109 ± 50.25
p1 0.6547 ± 0.002477
0
5000
10000
15000
20000
25000
30000
35000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

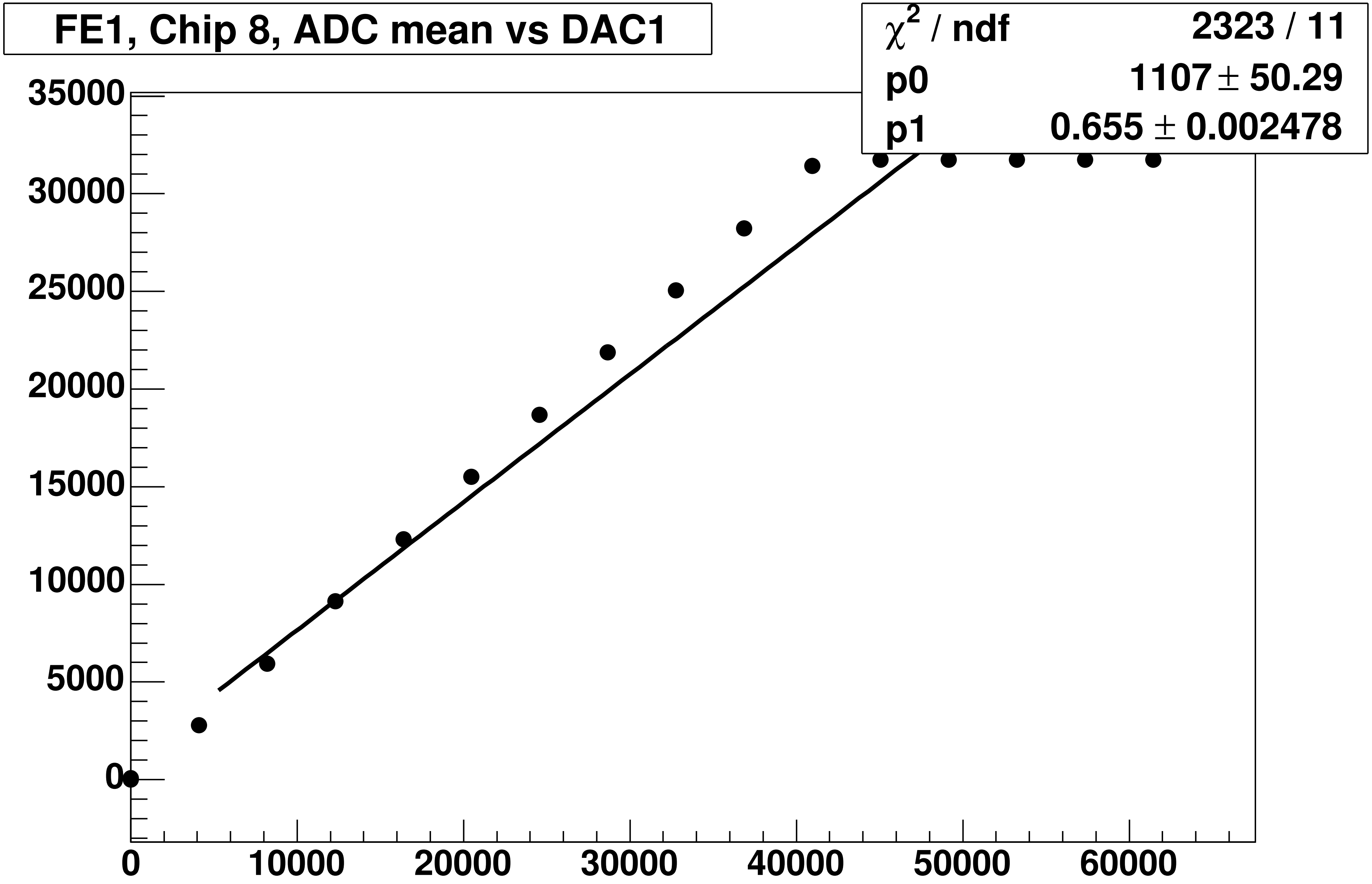

FE1, Chip 7, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
-10000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 8, ADC mean vs DAC0
χ^2 / ndf 3.044 / 11
p0 175.9 ± 68.05
p1 0.01845 ± 0.0028
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

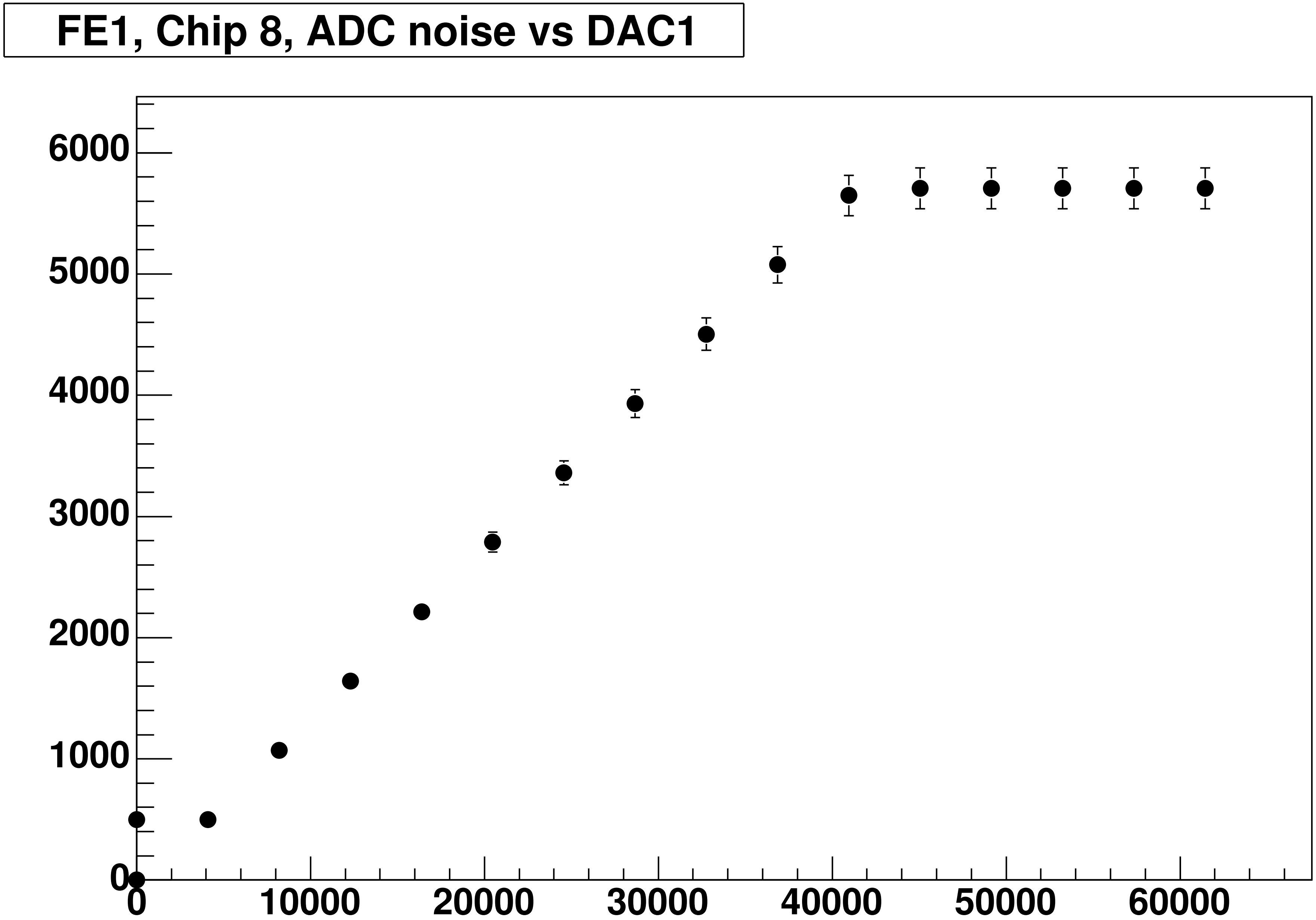

FE1, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

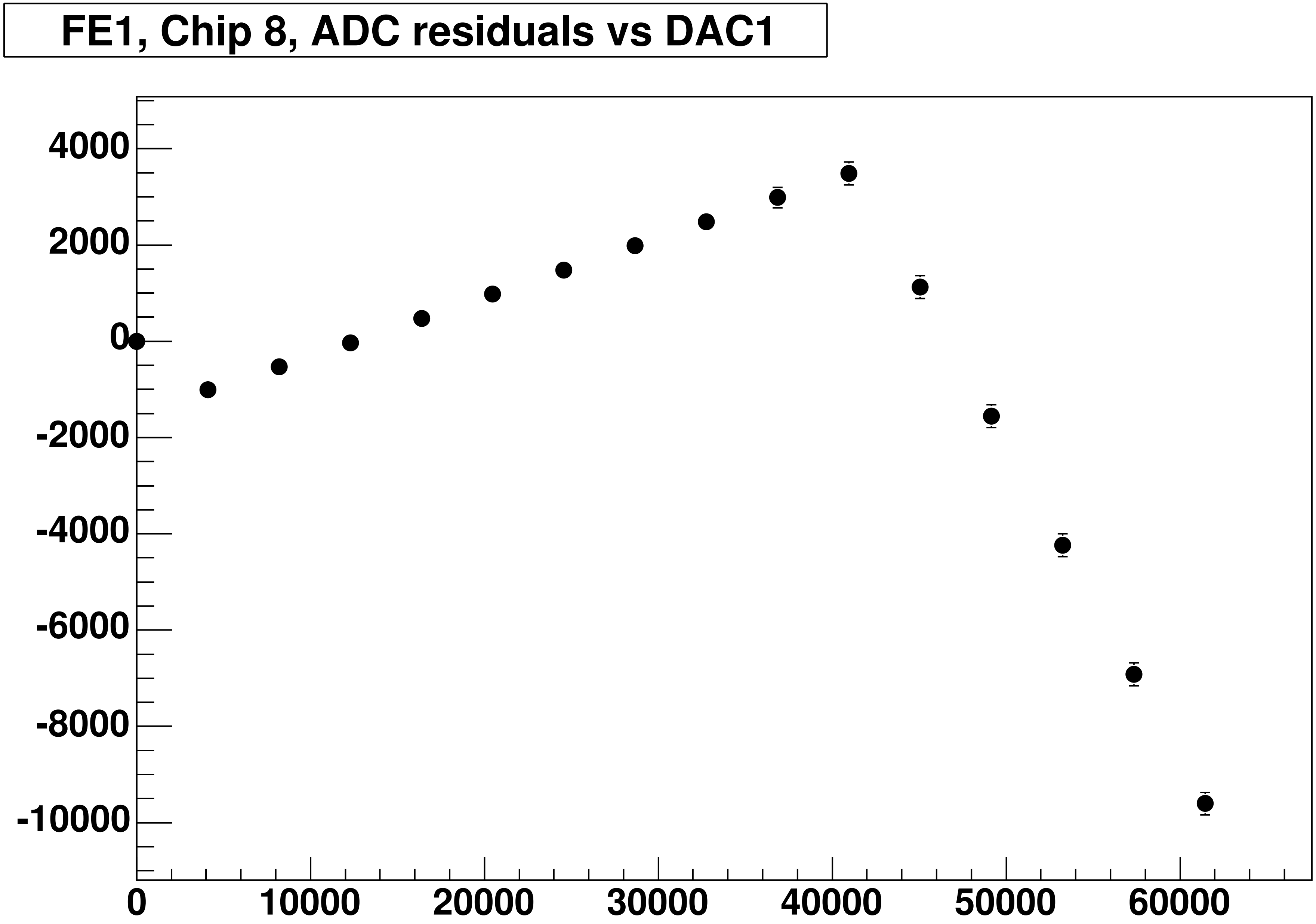


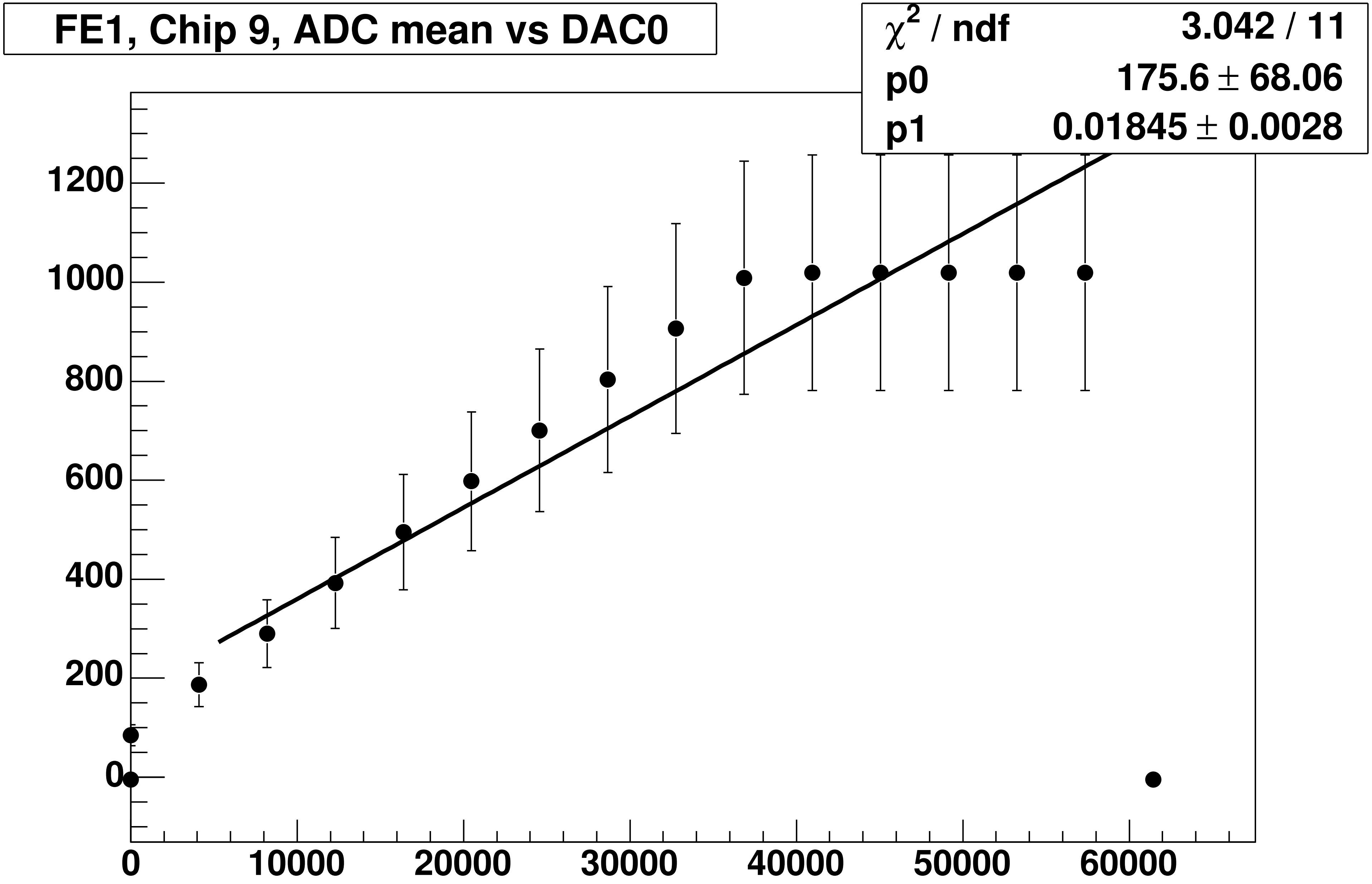
FE1, Chip 8, ADC residuals vs DAC0
400
200
0
-200
-400
-600
-800
-1000
-1200
-1400
0
10000
20000
30000
40000
50000
60000



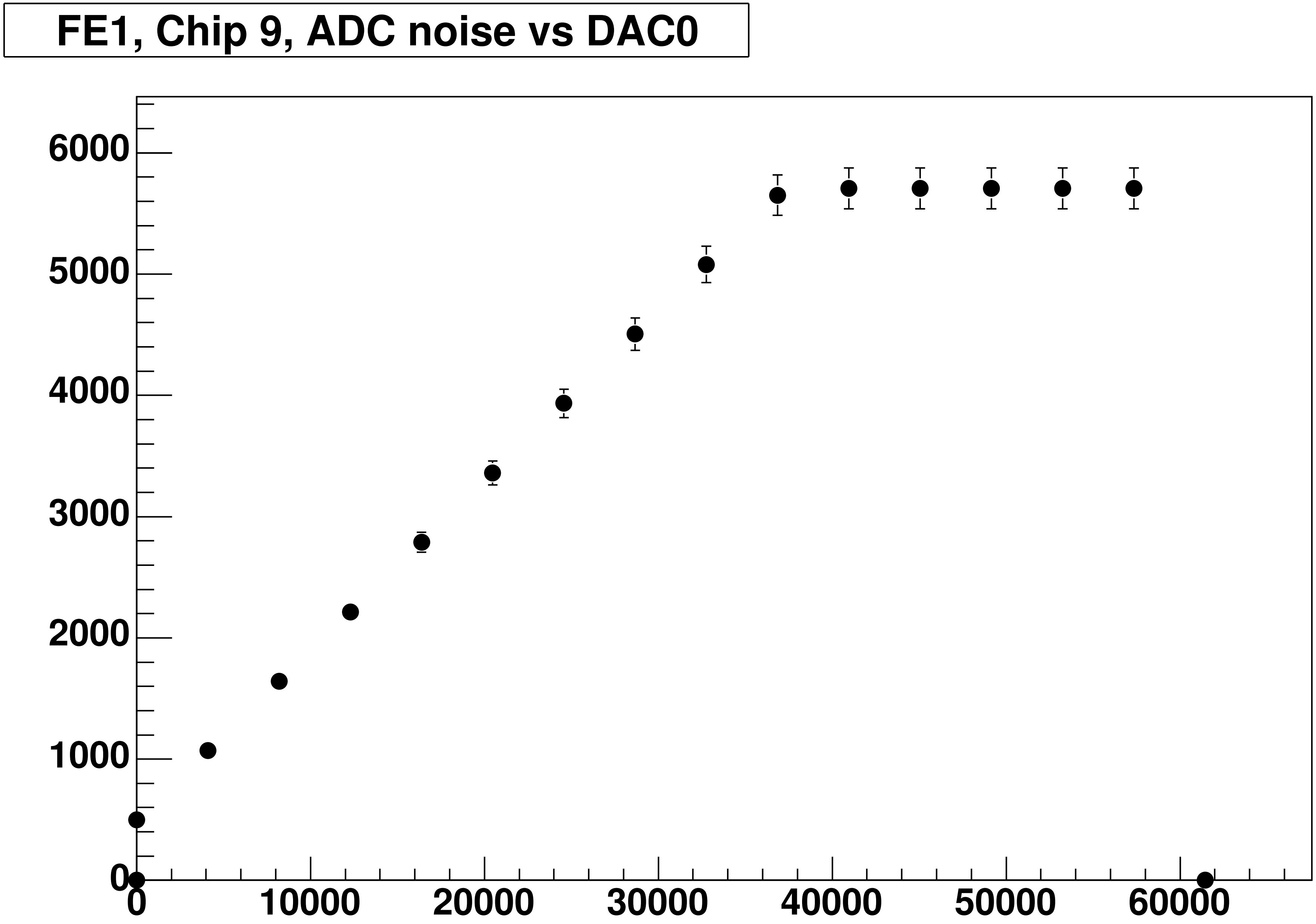
FE1, Chip 8, ADC mean vs DAC1
χ² / ndf 2323 / 11
p0 1107 ± 50.29
p1 0.655 ± 0.002478
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

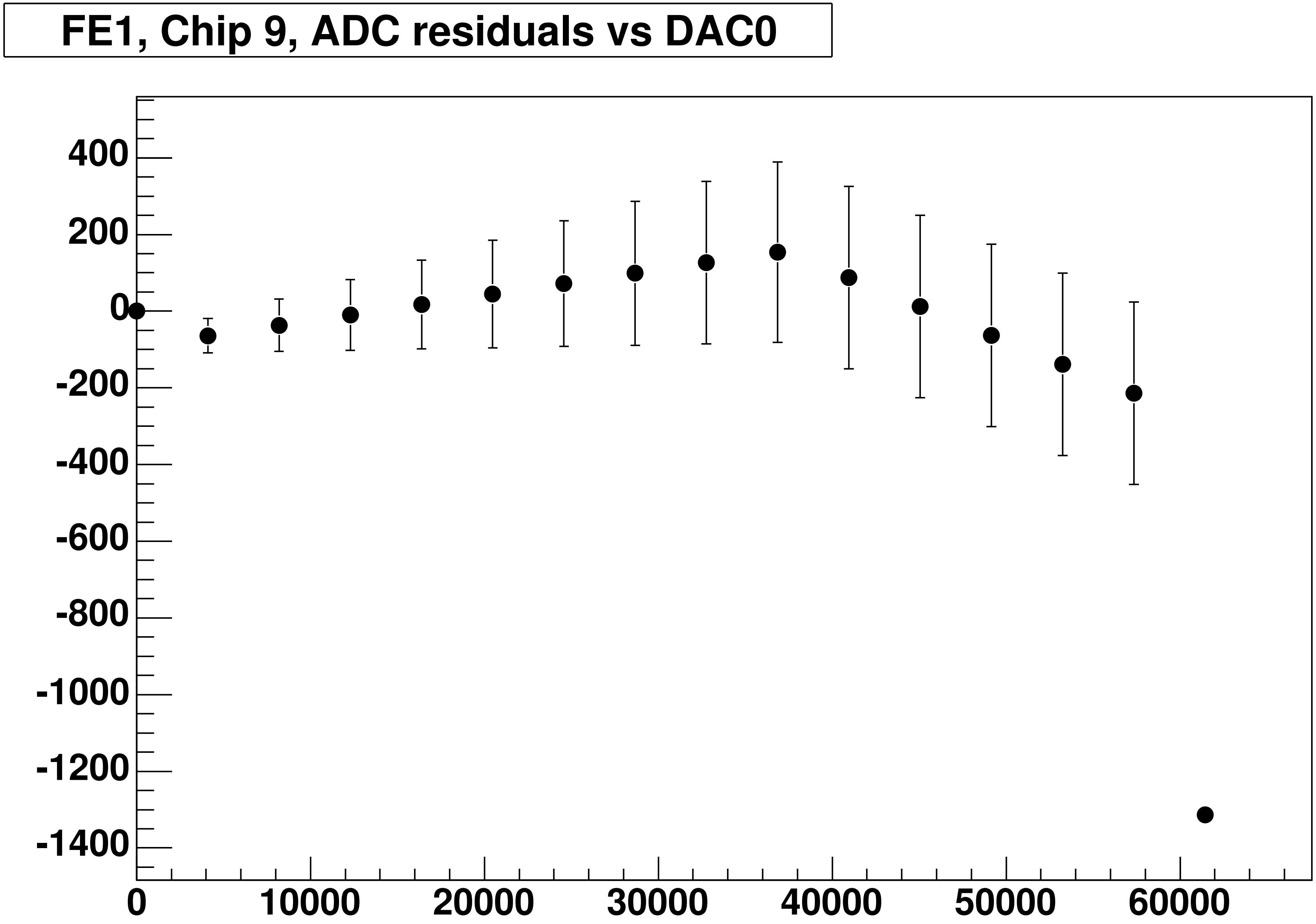

FE1, Chip 8, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
-10000
0
10000
20000
30000
40000
50000
60000

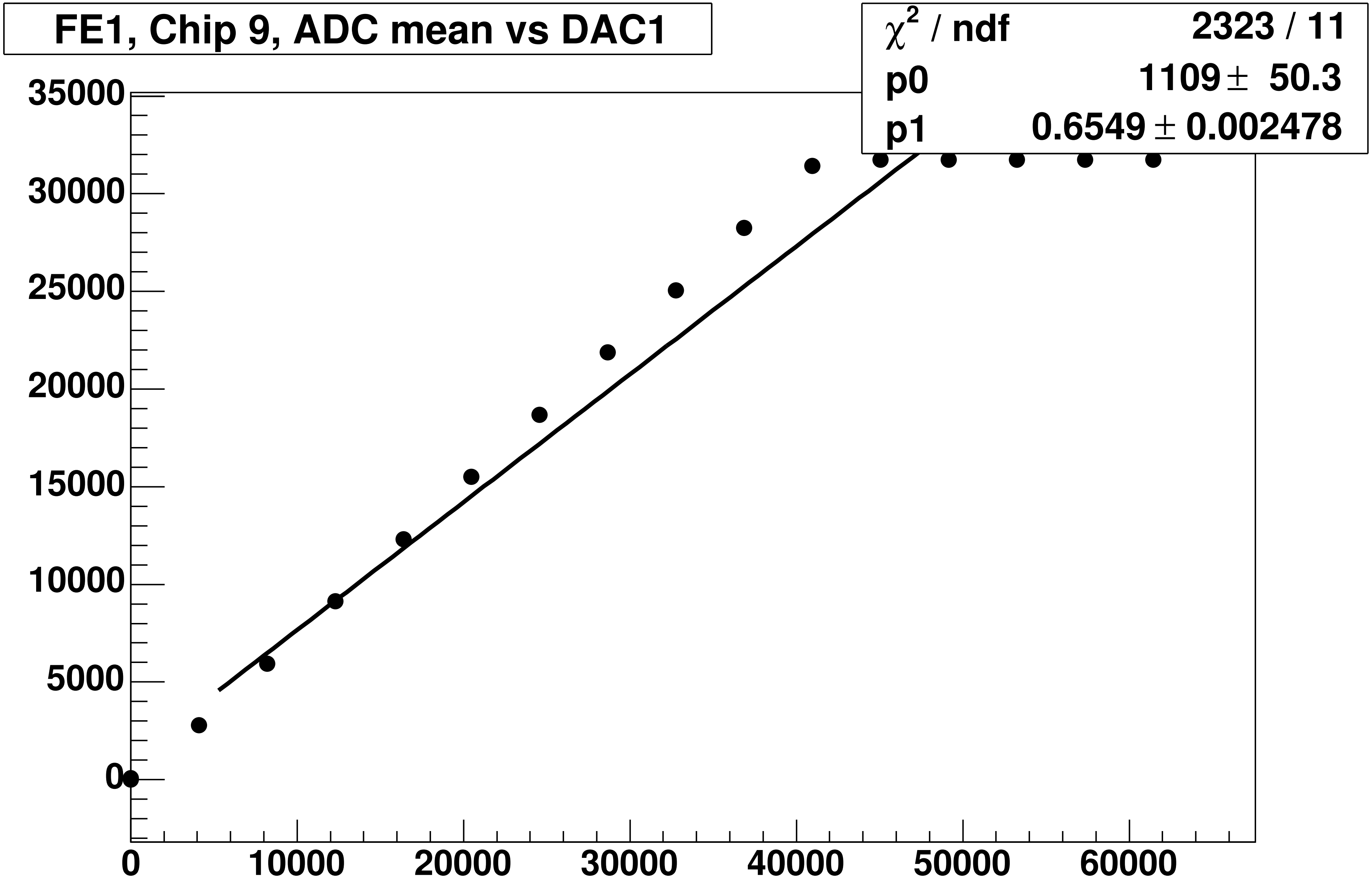


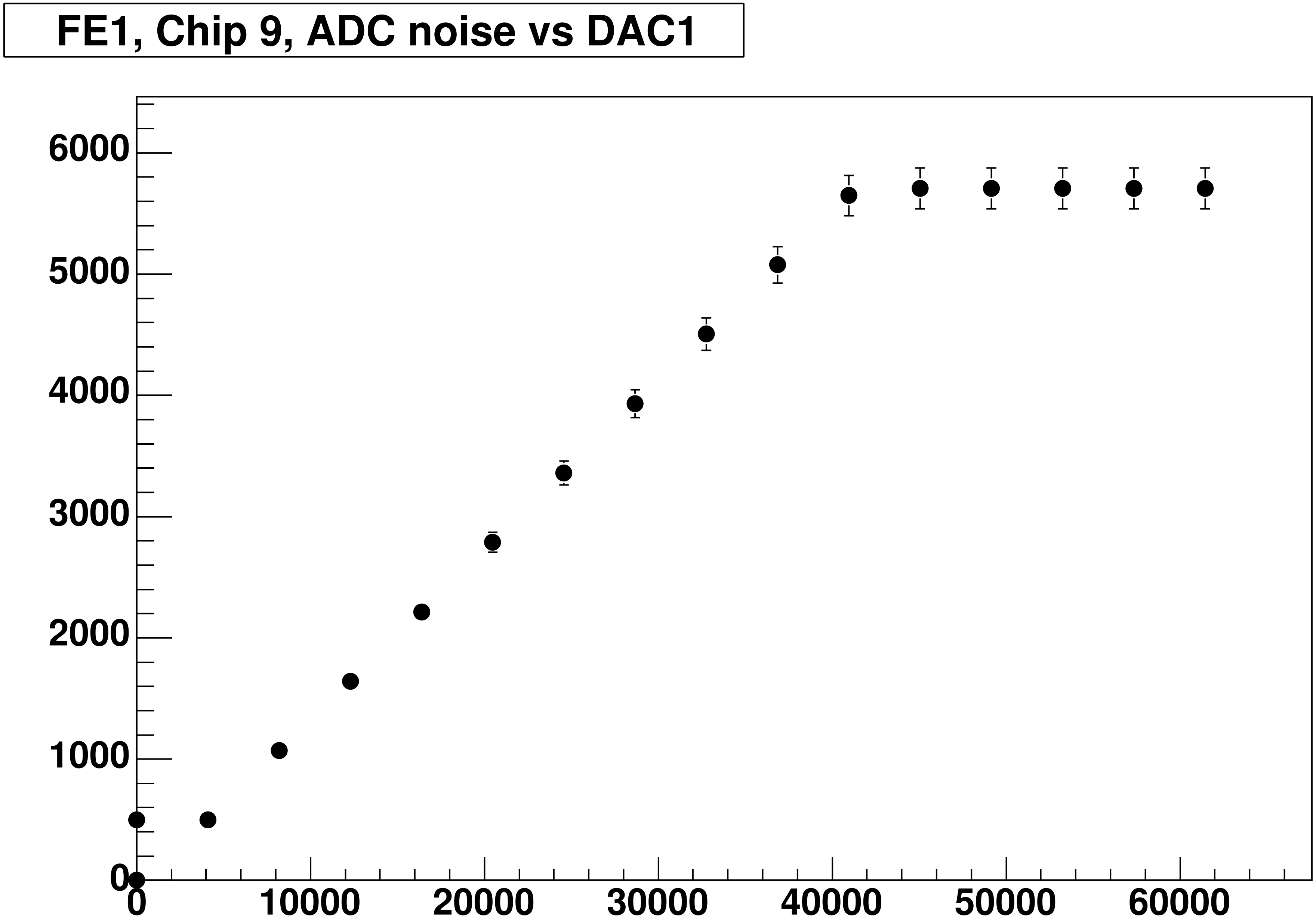
FE1, Chip 9, ADC mean vs DAC0
χ^2 / ndf 3.042 / 11
p0 175.6 ± 68.06
p1 0.01845 ± 0.0028
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



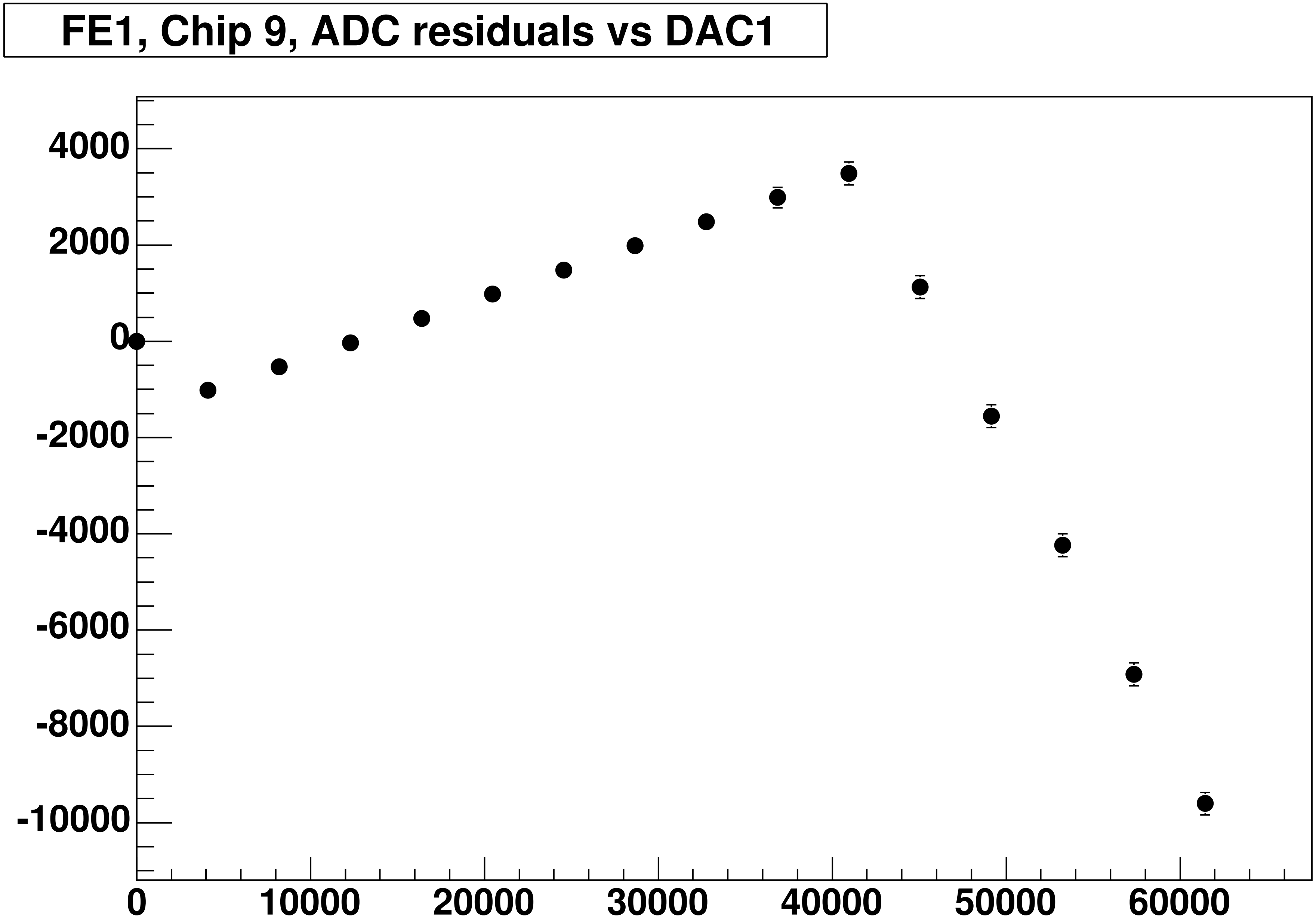
FE1, Chip 9, ADC noise vs DAC0
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

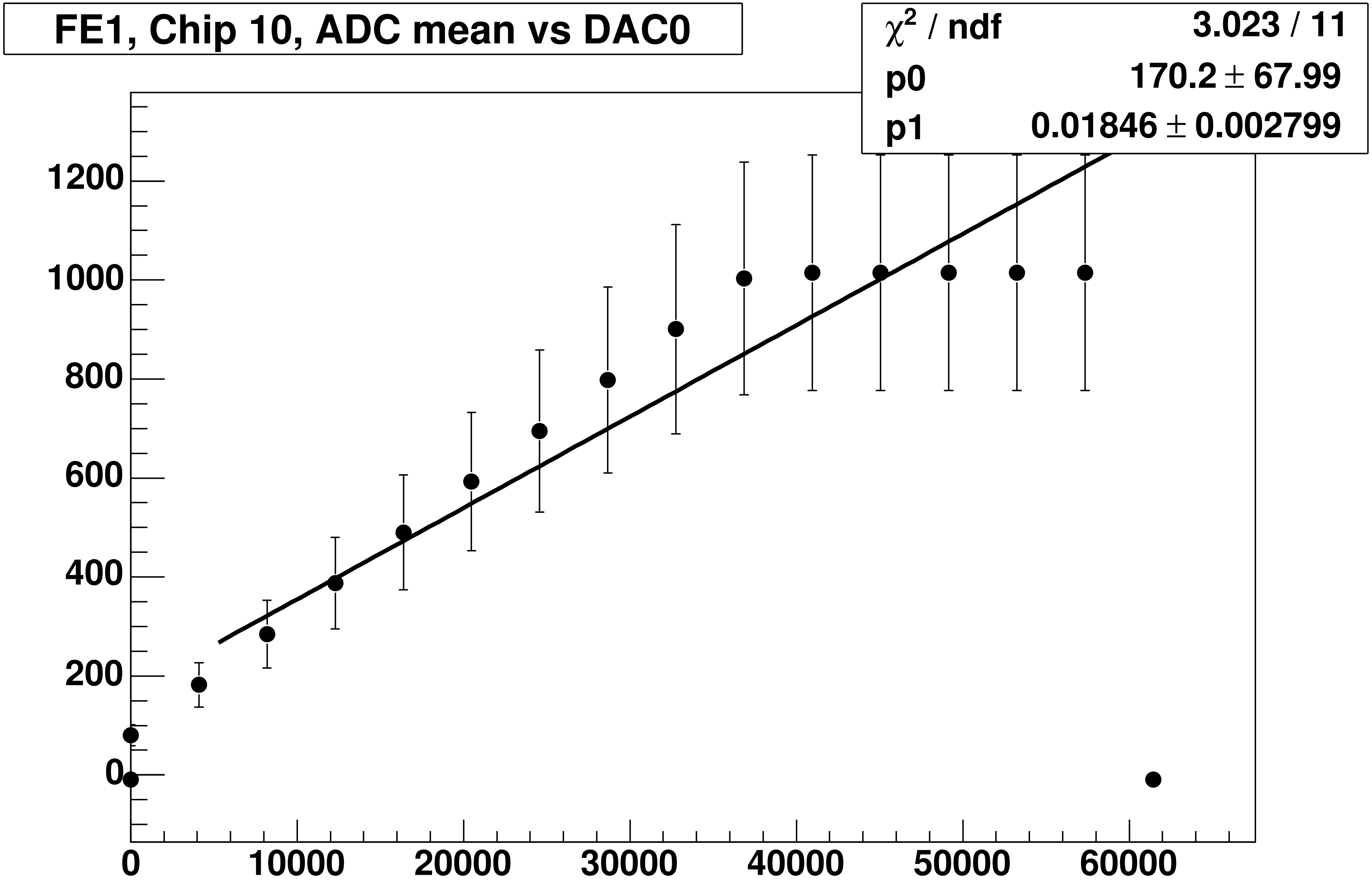

FE1, Chip 9, ADC residuals vs DAC0
400
200
0
-200
-400
-600
-800
-1000
-1200
-1400
0
10000
20000
30000
40000
50000
60000

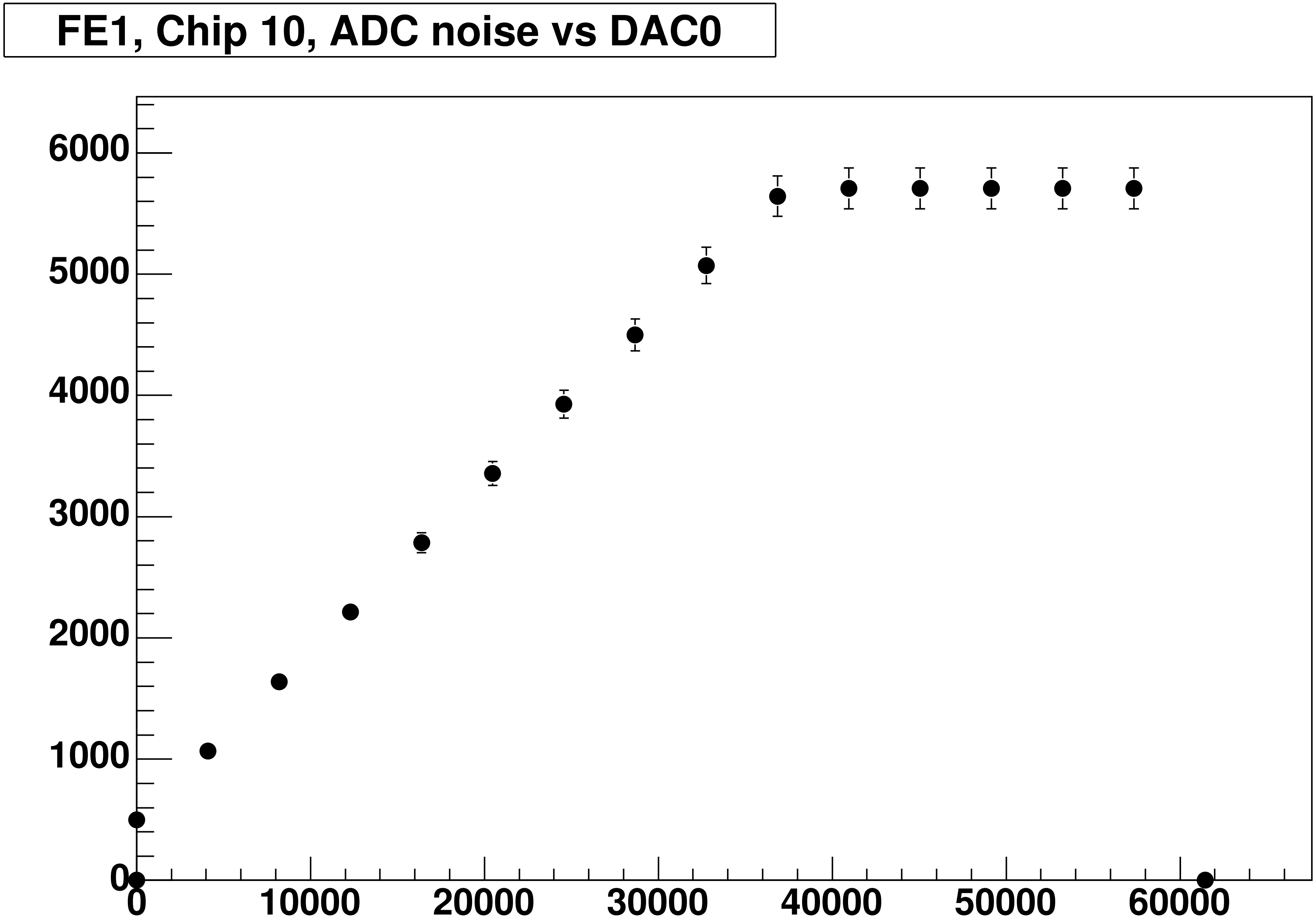

FE1, Chip 9, ADC mean vs DAC1
χ2 / ndf 2323 / 11
p0 1109 ± 50.3
p1 0.6549 ± 0.002478
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

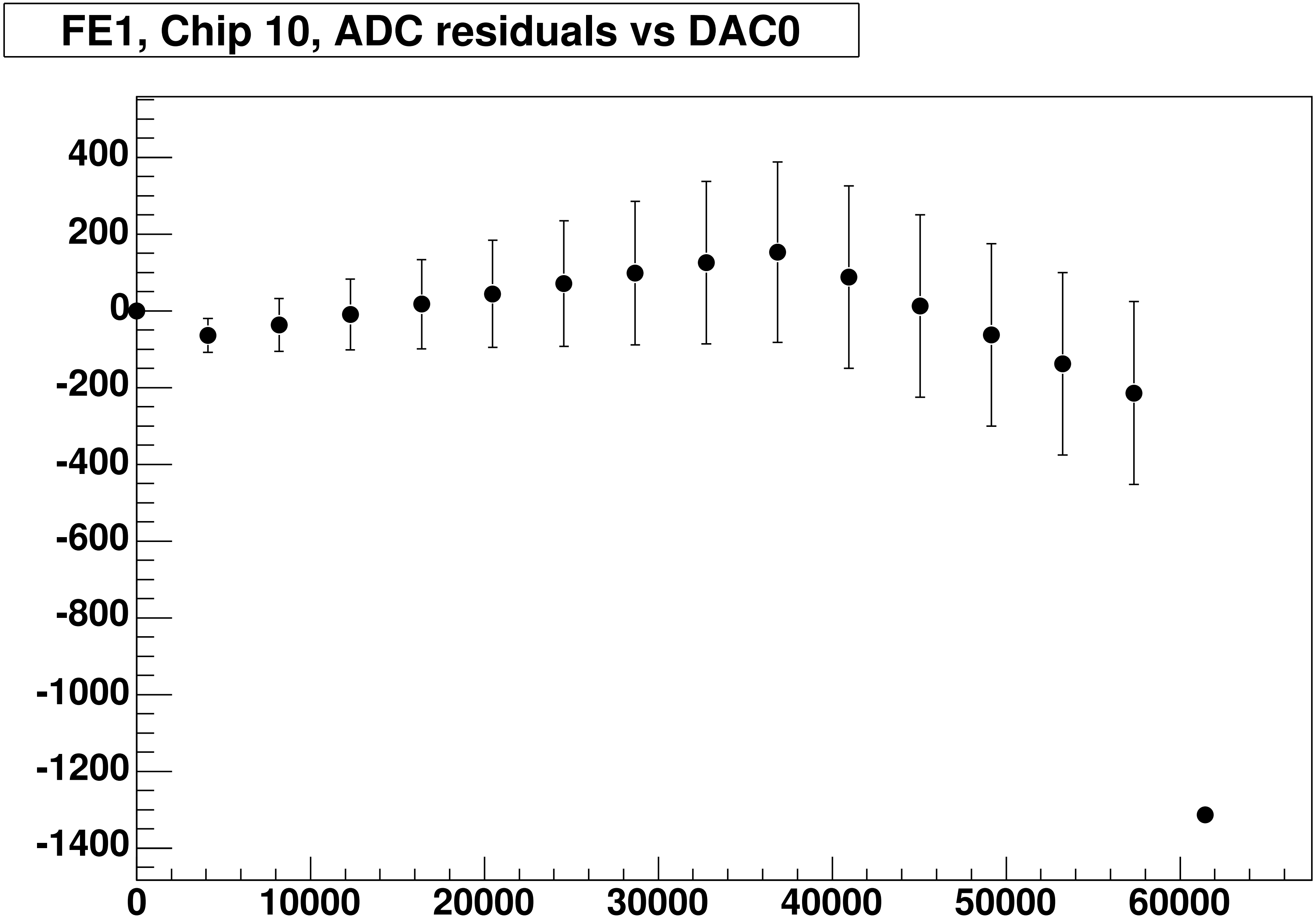


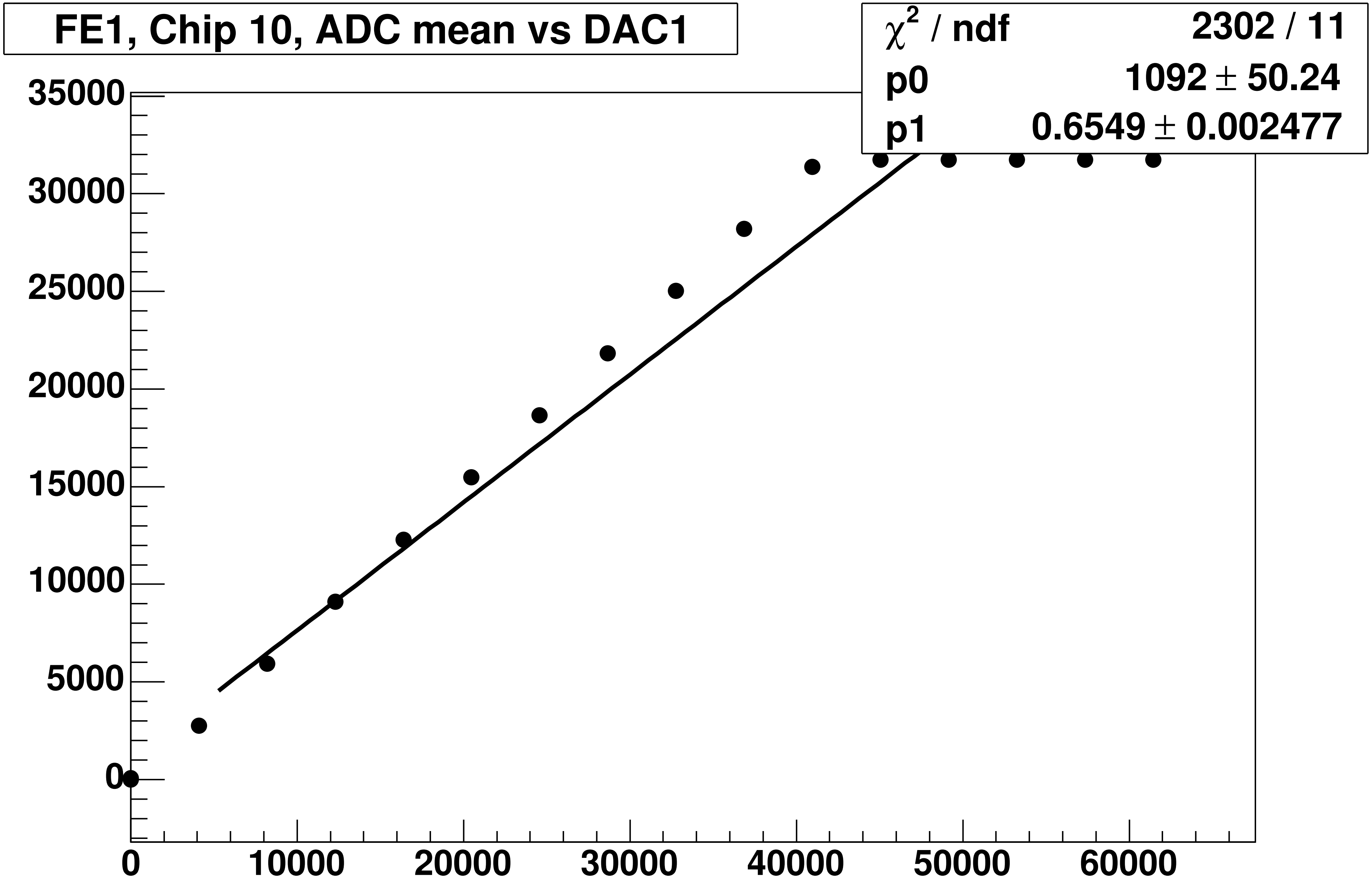
FE1, Chip 9, ADC noise vs DAC1
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 9, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
-10000
0
10000
20000
30000
40000
50000
60000

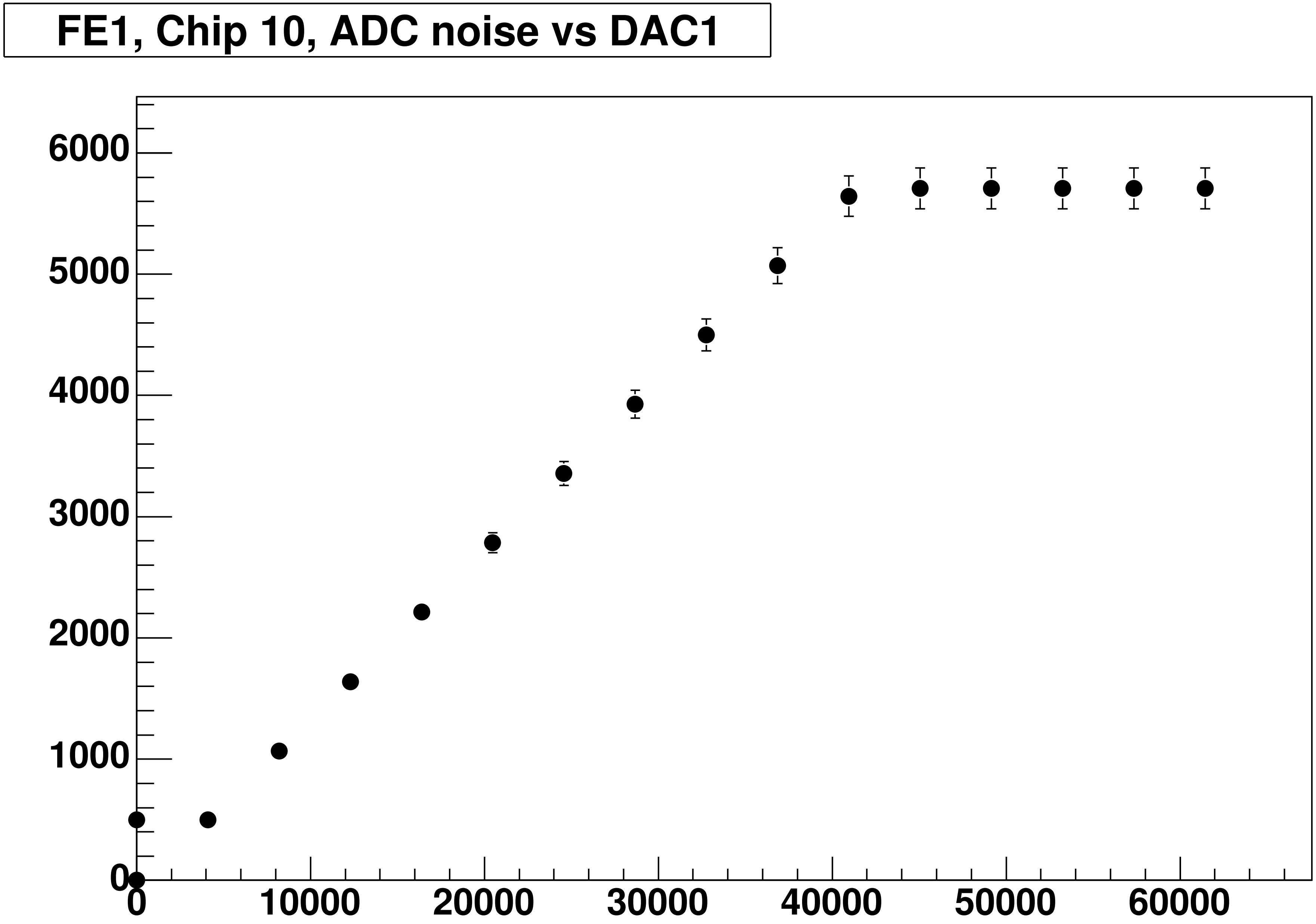

FE1, Chip 10, ADC mean vs DAC0
χ^2 / ndf 3.023 / 11
p0 170.2 ± 67.99
p1 0.01846 ± 0.002799
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

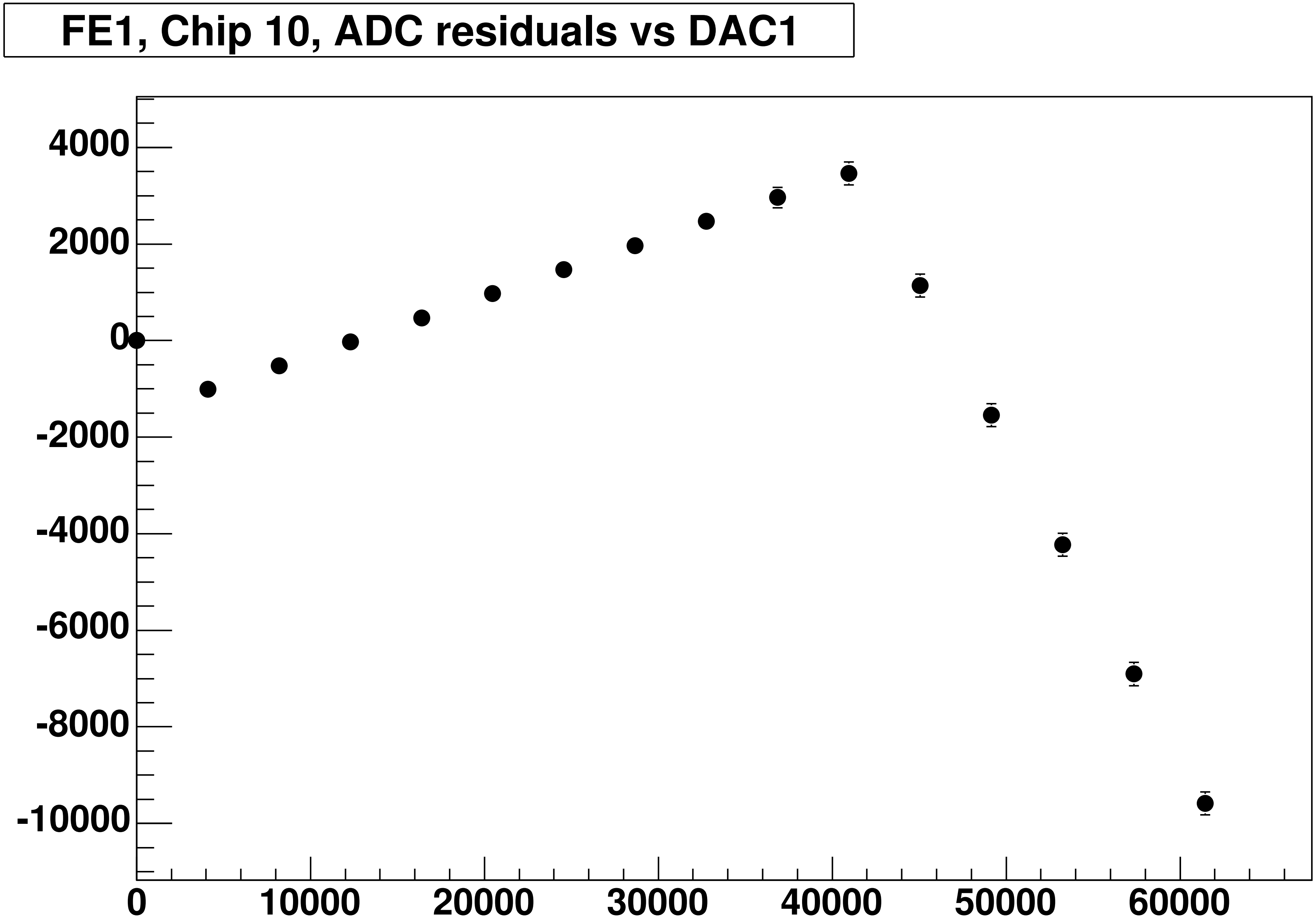

FE1, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

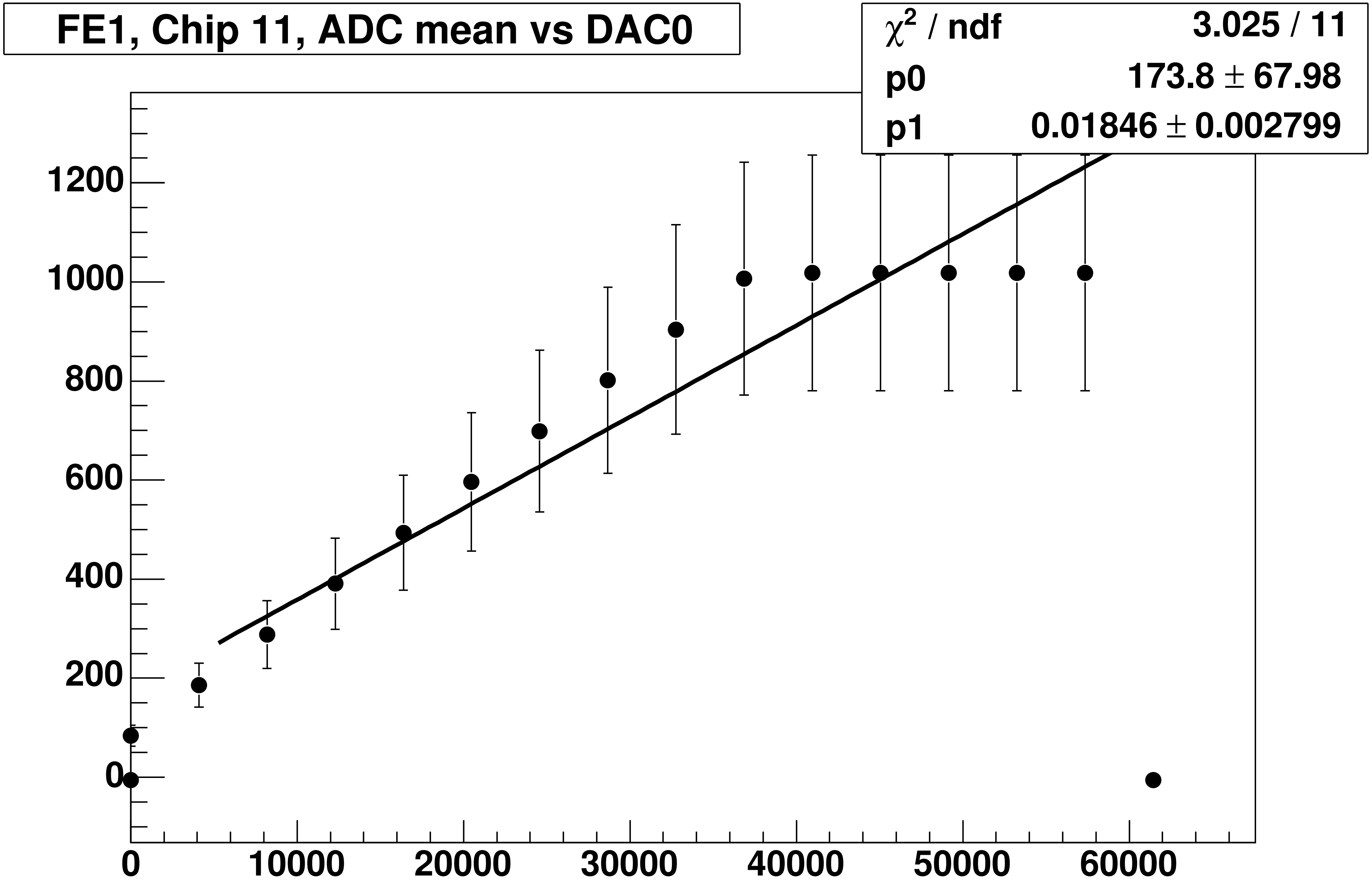

FE1, Chip 10, ADC residuals vs DAC0
400
200
0
-200
-400
-600
-800
-1000
-1200
-1400
0
10000
20000
30000
40000
50000
60000



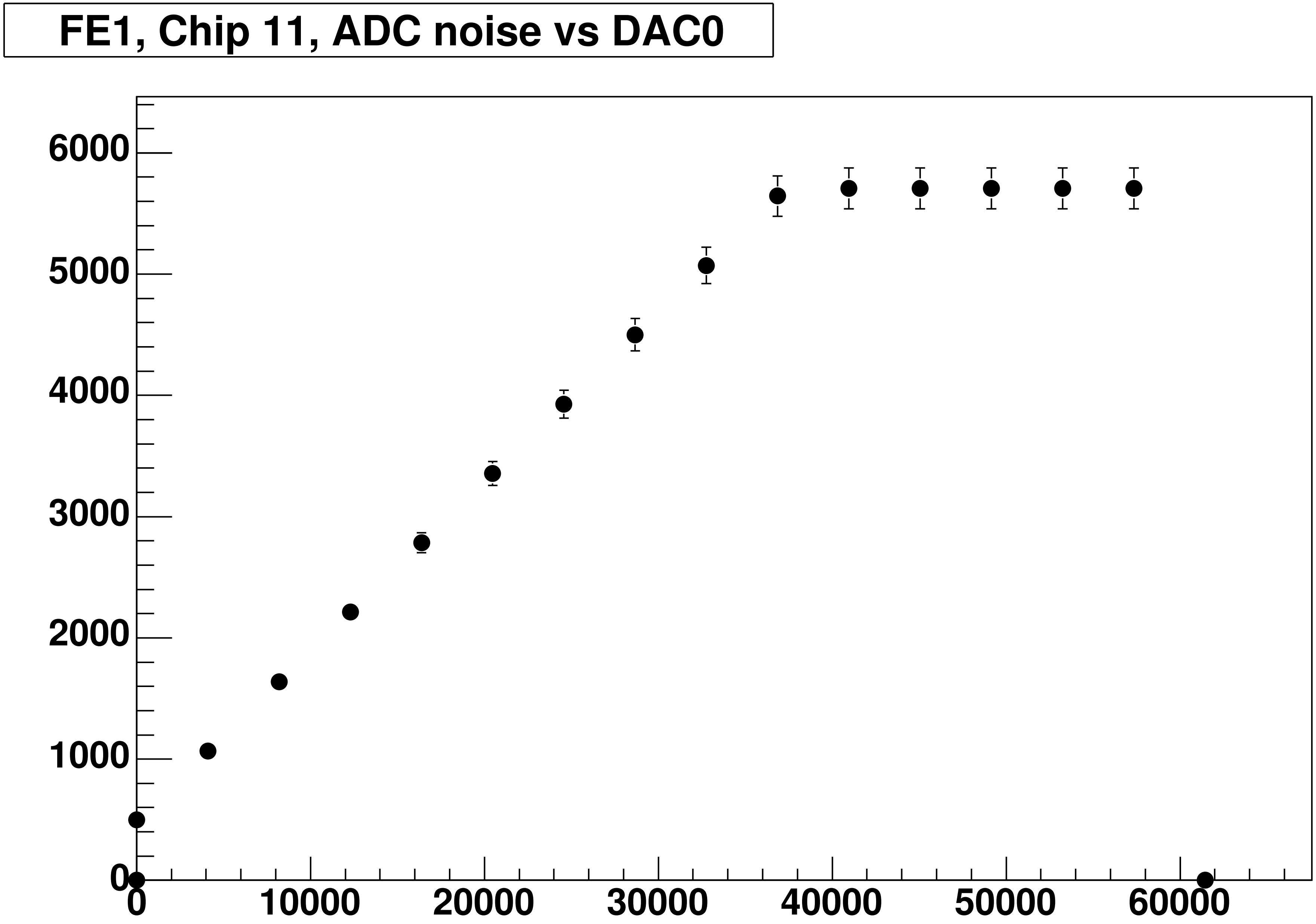
FE1, Chip 10, ADC mean vs DAC1
χ^2 / ndf 2302 / 11
p0 1092 ± 50.24
p1 0.6549 ± 0.002477
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1, Chip 10, ADC noise vs DAC1
6000
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

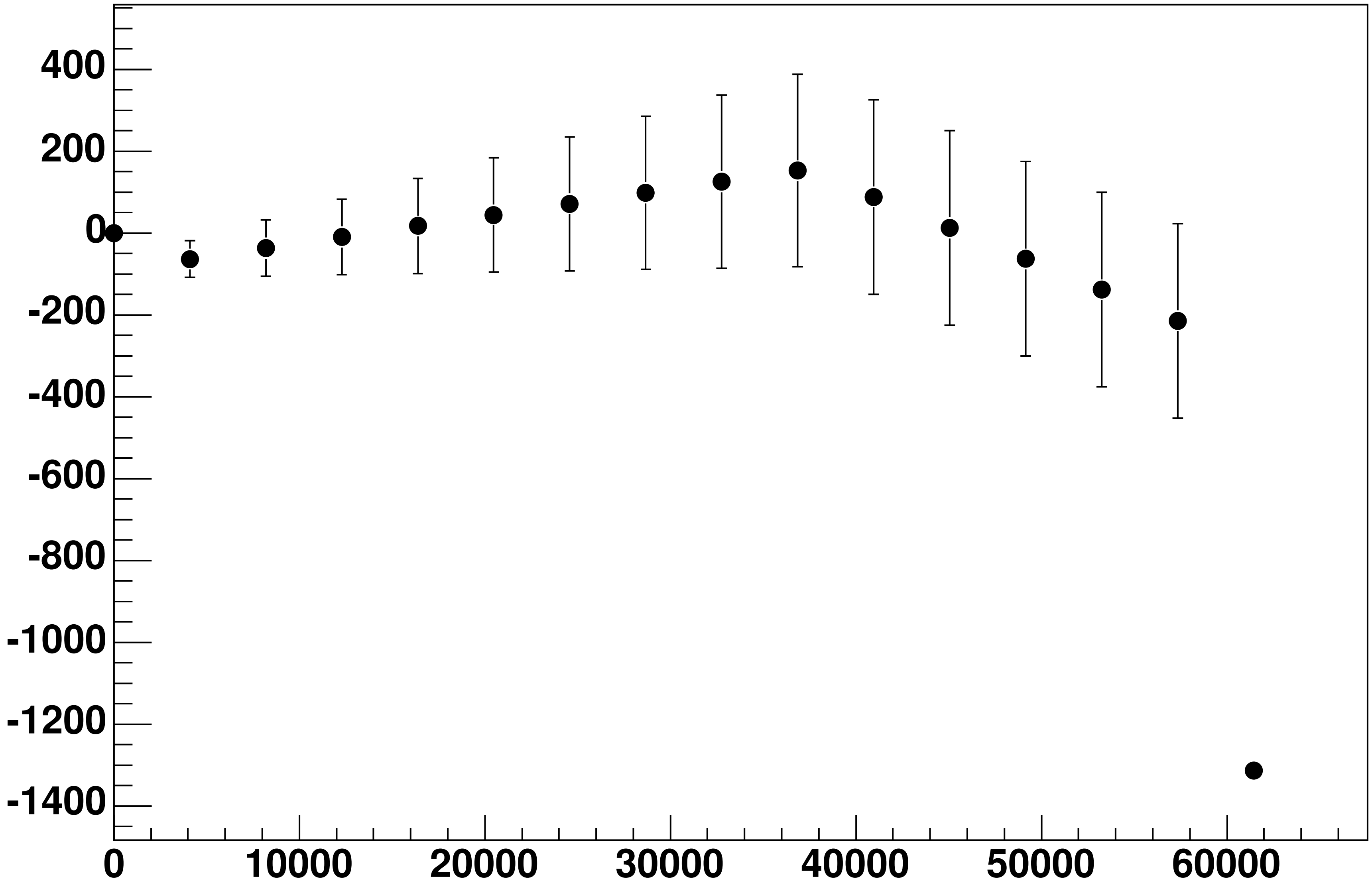

FE1, Chip 10, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
-10000
0
10000
20000
30000
40000
50000
60000

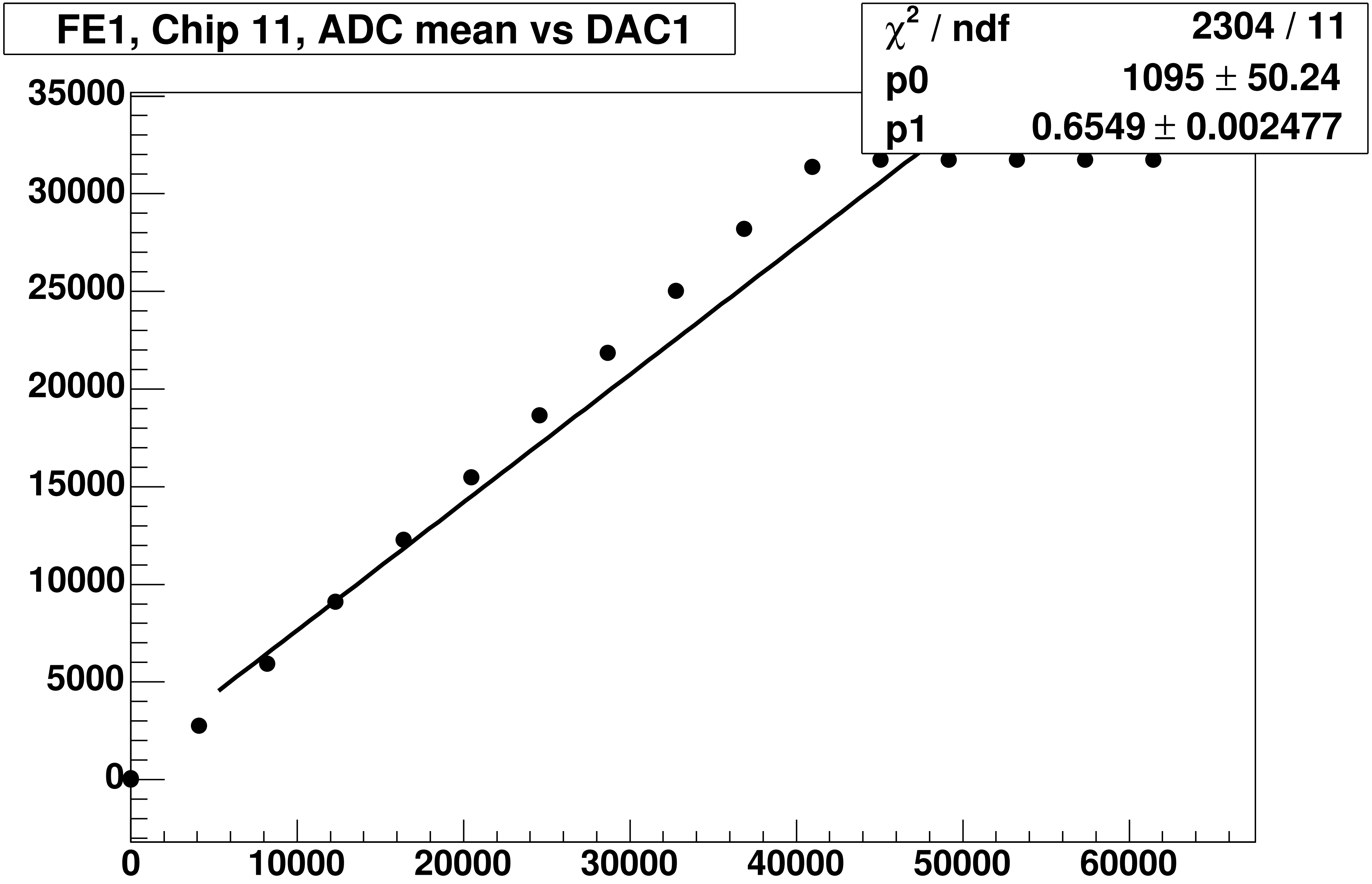


FE1, Chip 11, ADC mean vs DAC0
χ2 / ndf 3.025 / 11
p0 173.8 ± 67.98
p1 0.01846 ± 0.002799
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

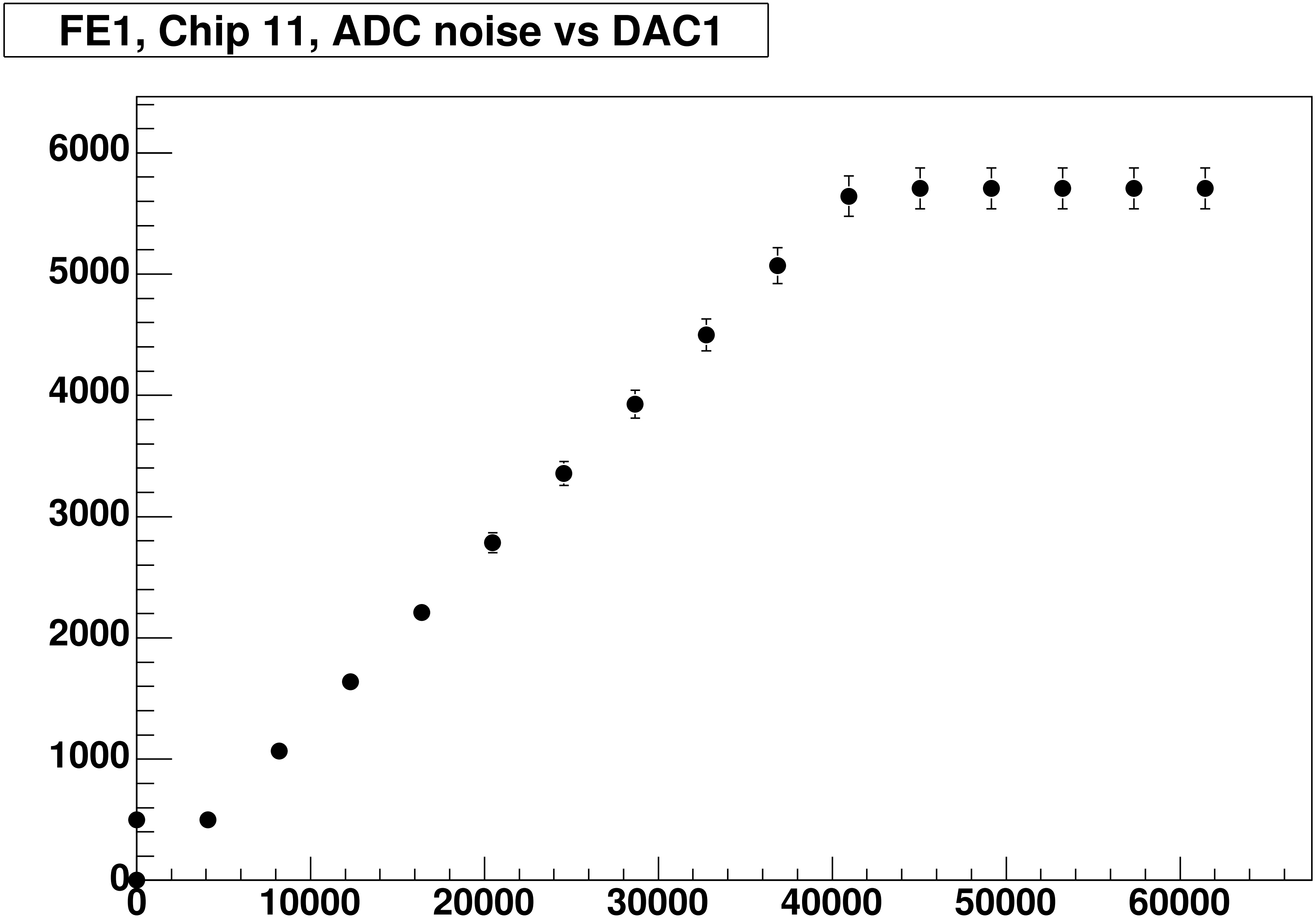

FE1, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

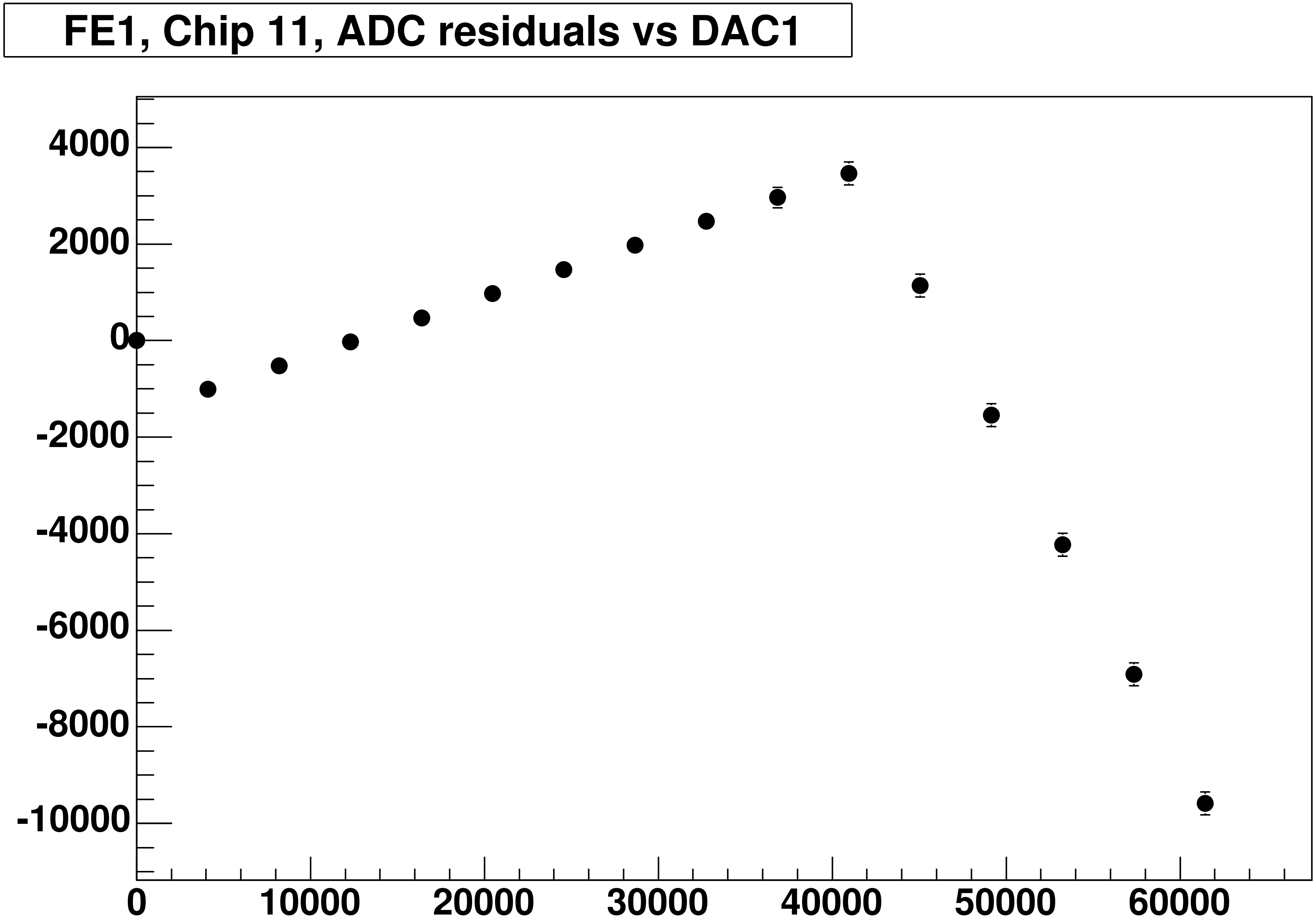
FE1, Chip 11, ADC residuals vs DAC0

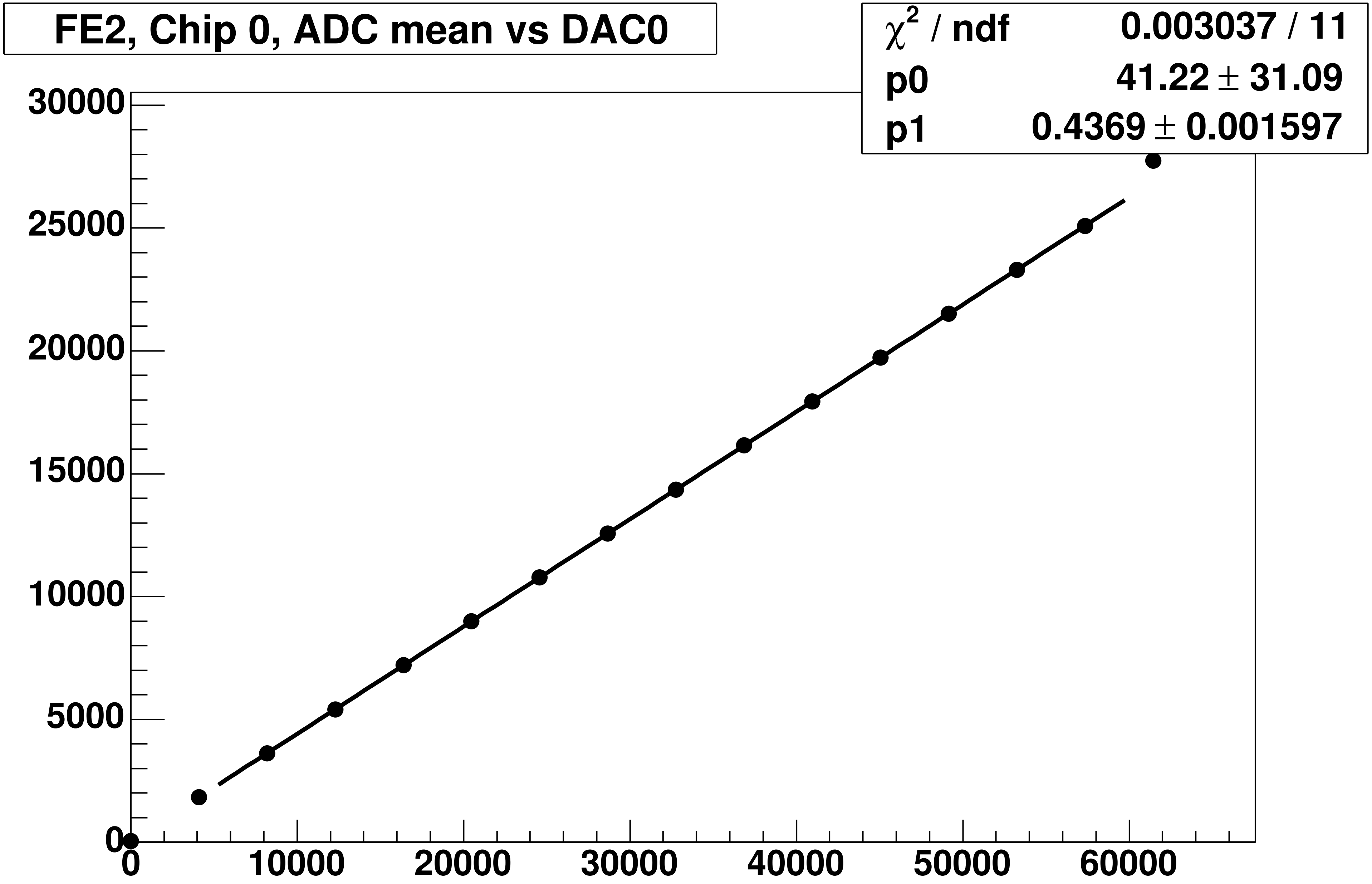




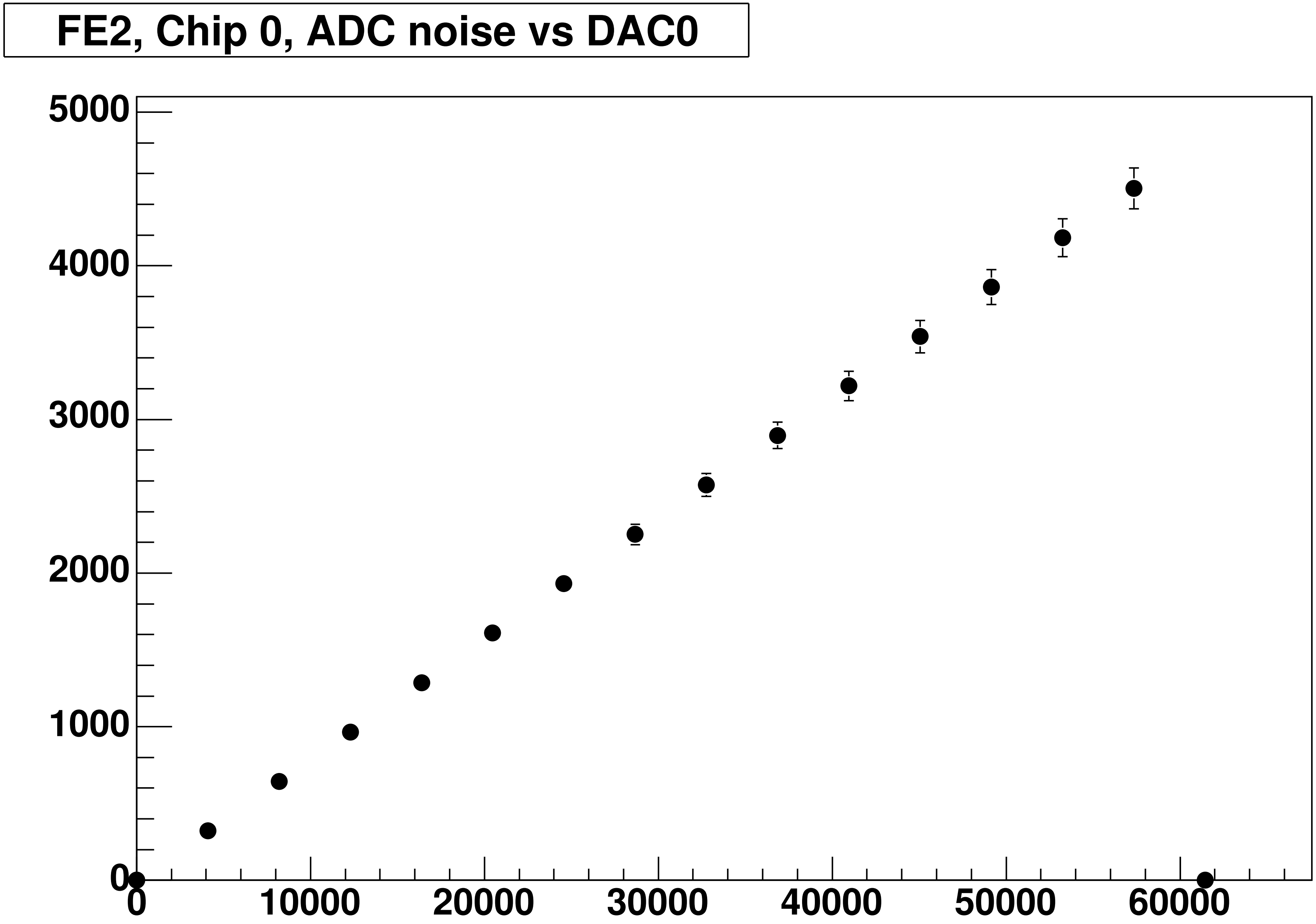
FE1, Chip 11, ADC mean vs DAC1
χ2 / ndf 2304 / 11
p0 1095 ± 50.24
p1 0.6549 ± 0.002477
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

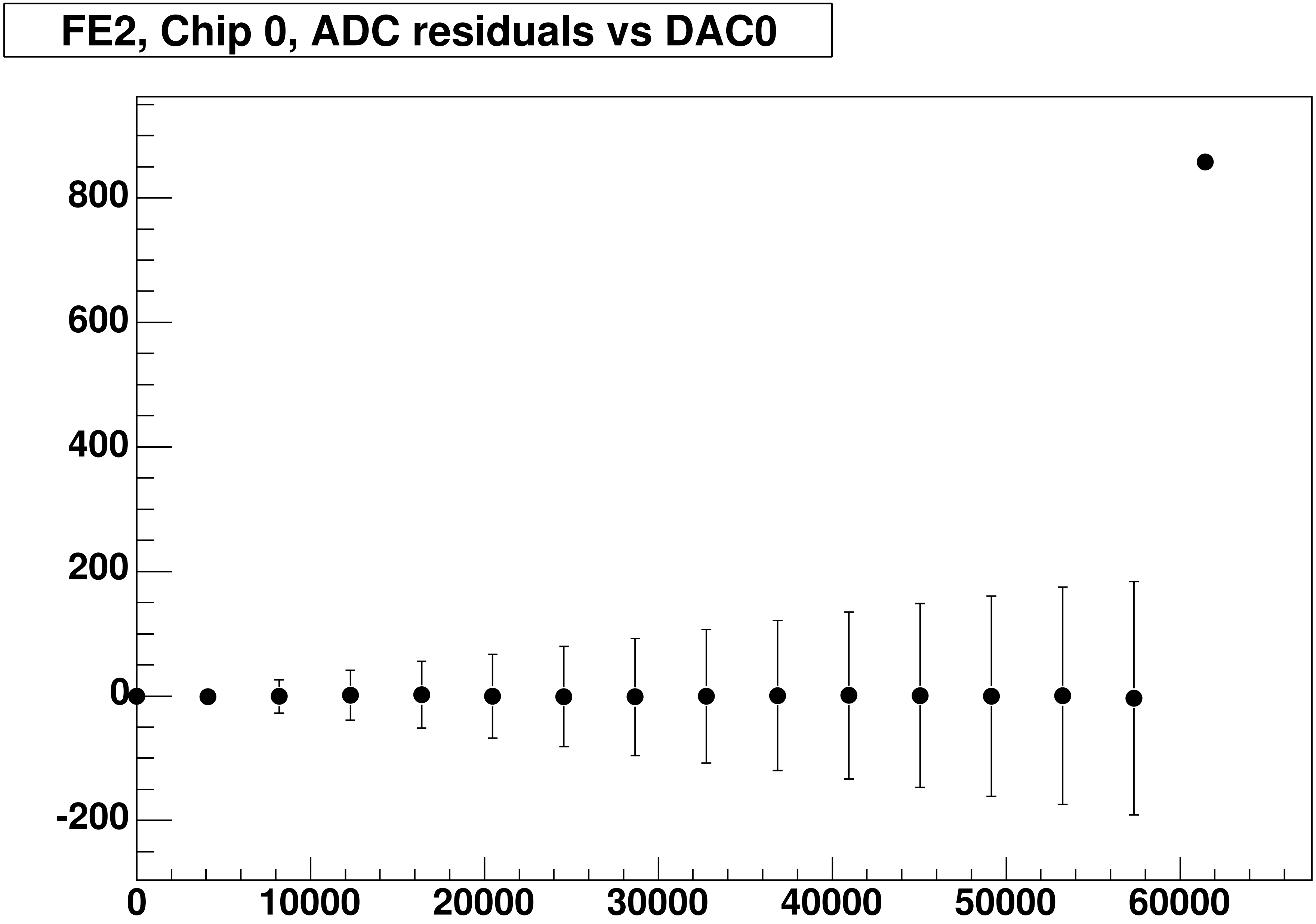

FE1, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000

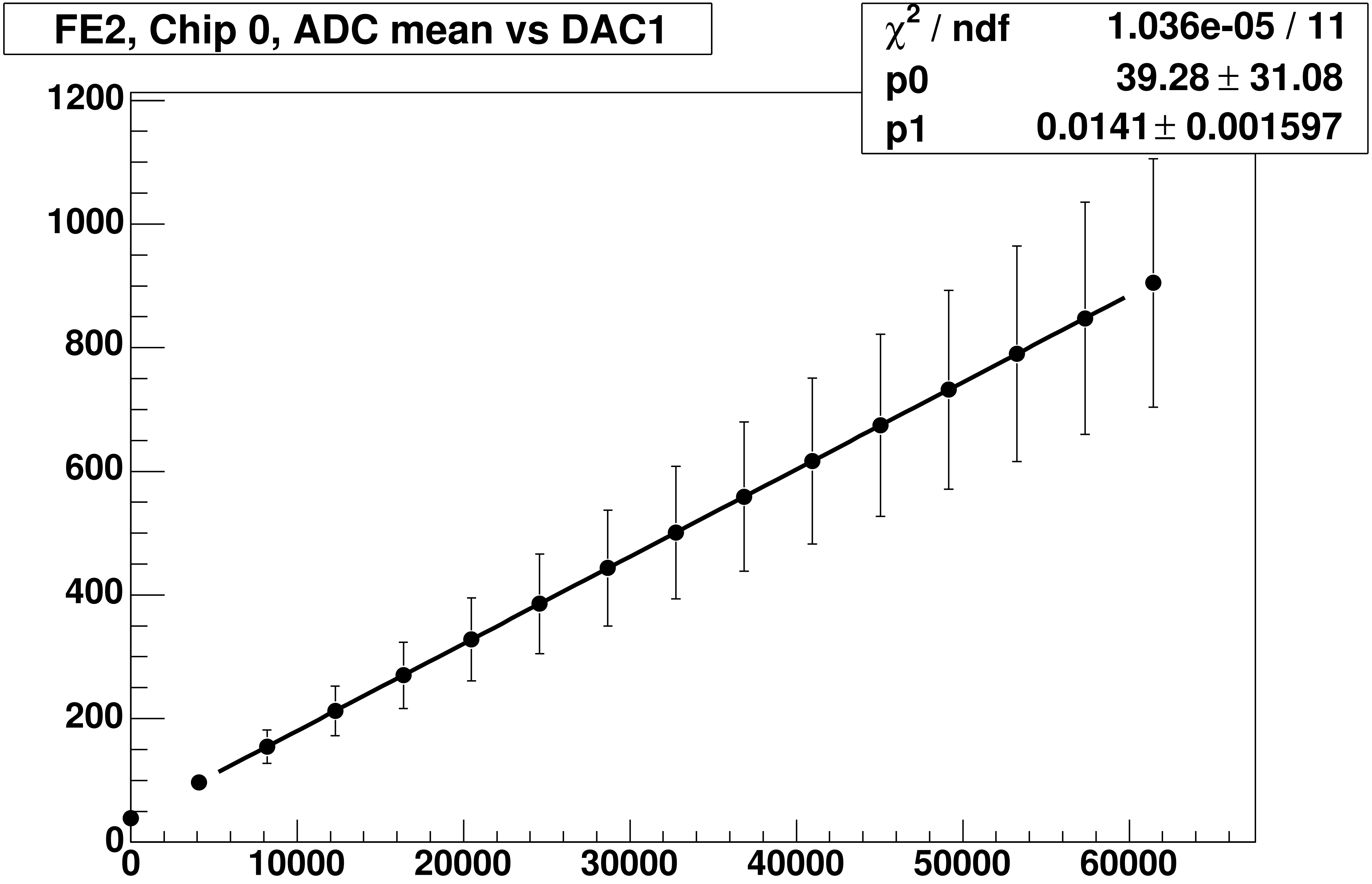

FE1, Chip 11, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
-10000
0
10000
20000
30000
40000
50000
60000

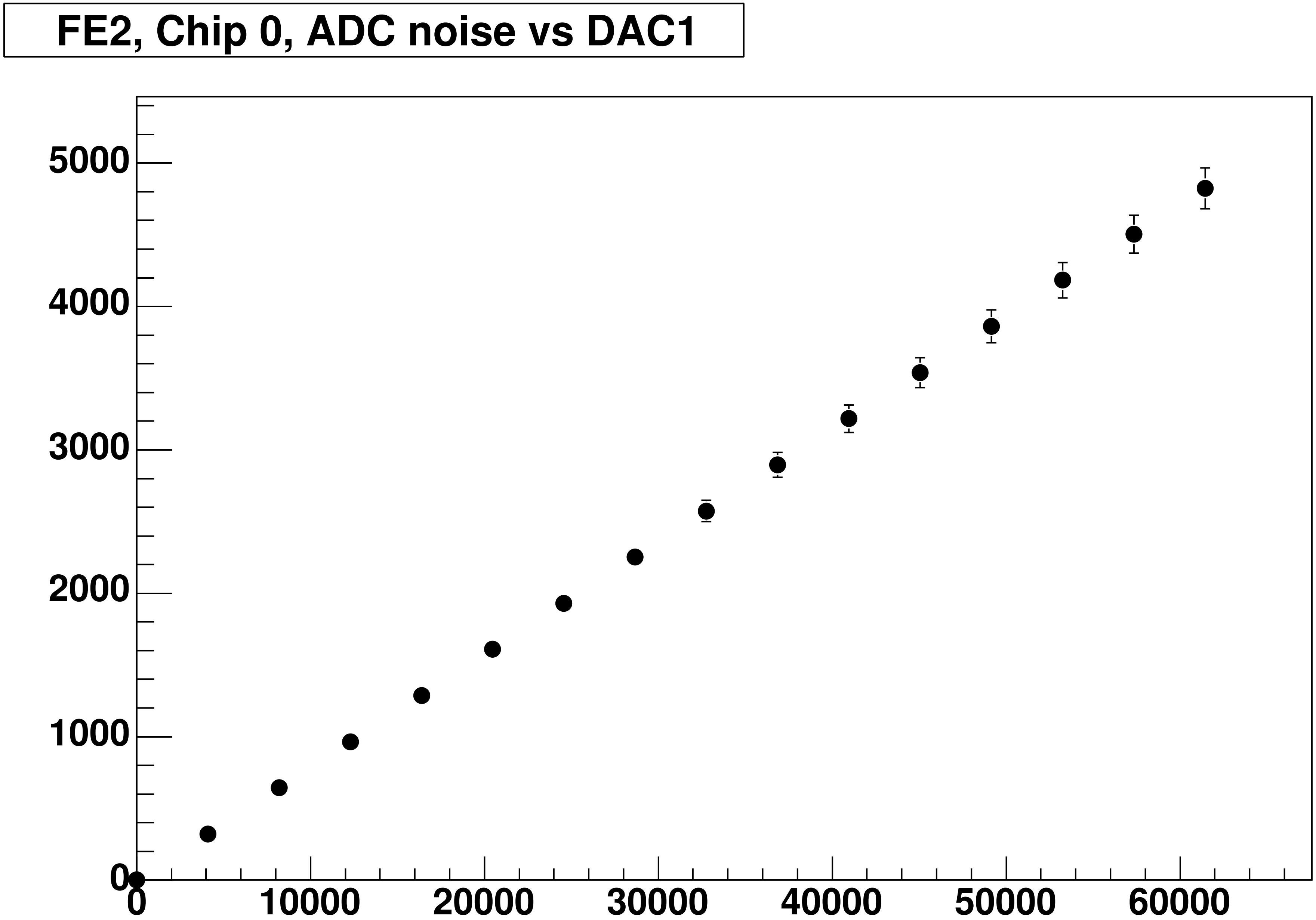


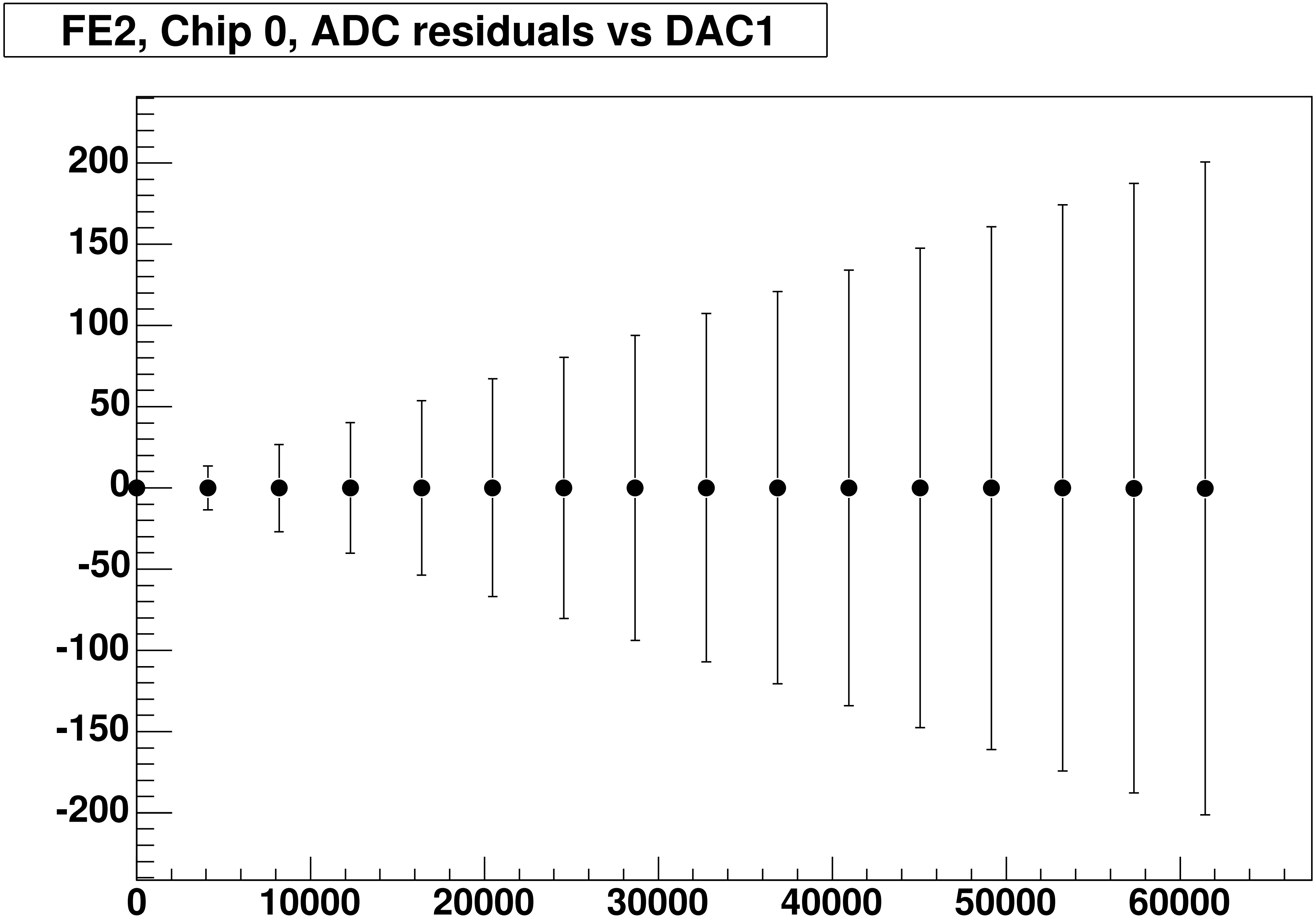
FE2, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.003037 / 11
p0 41.22 ± 31.09
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

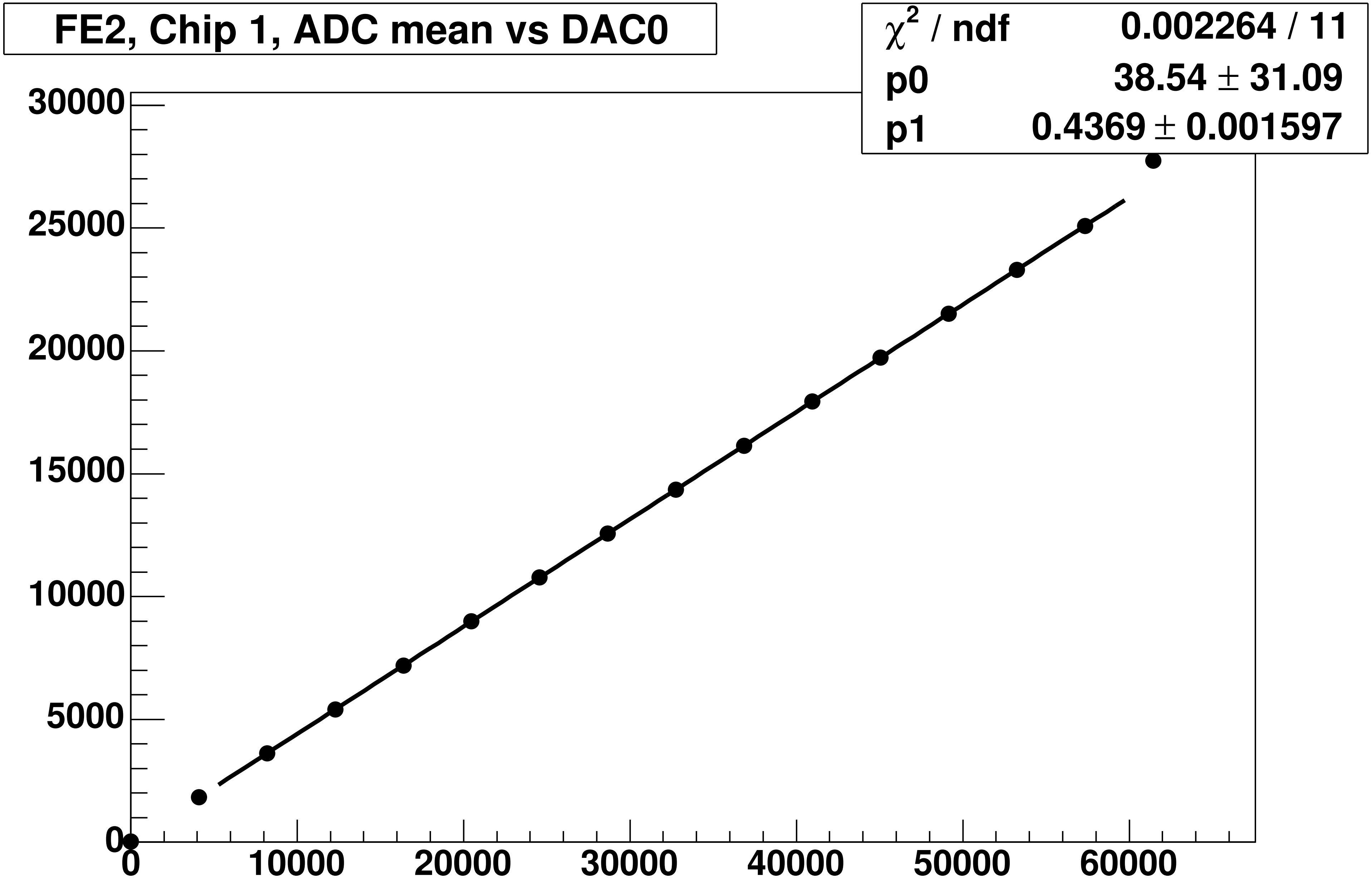

FE2, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

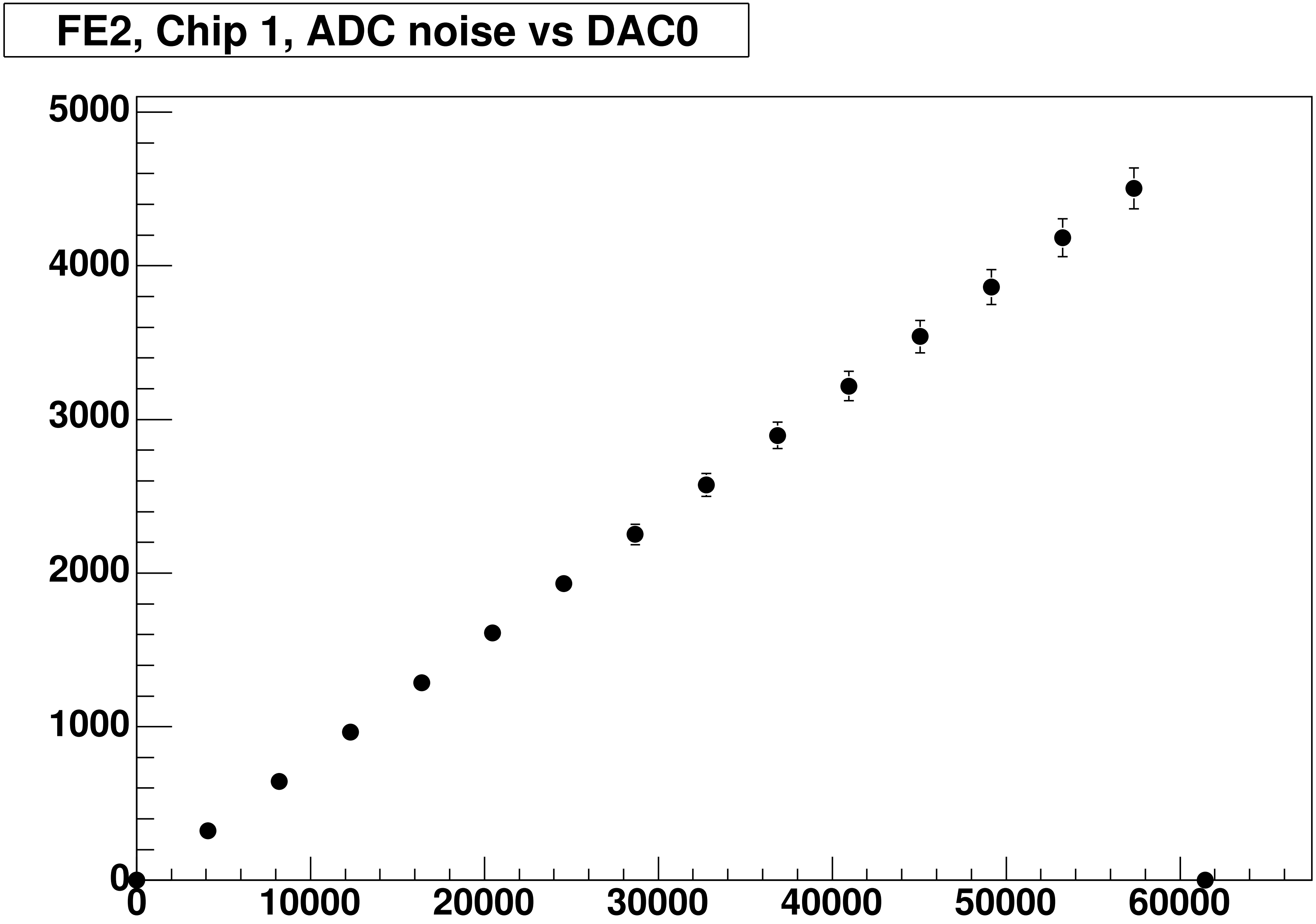

FE2, Chip 0, ADC mean vs DAC1
χ2 / ndf 1.036e-05 / 11
p0 39.28 ± 31.08
p1 0.0141 ± 0.001597
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

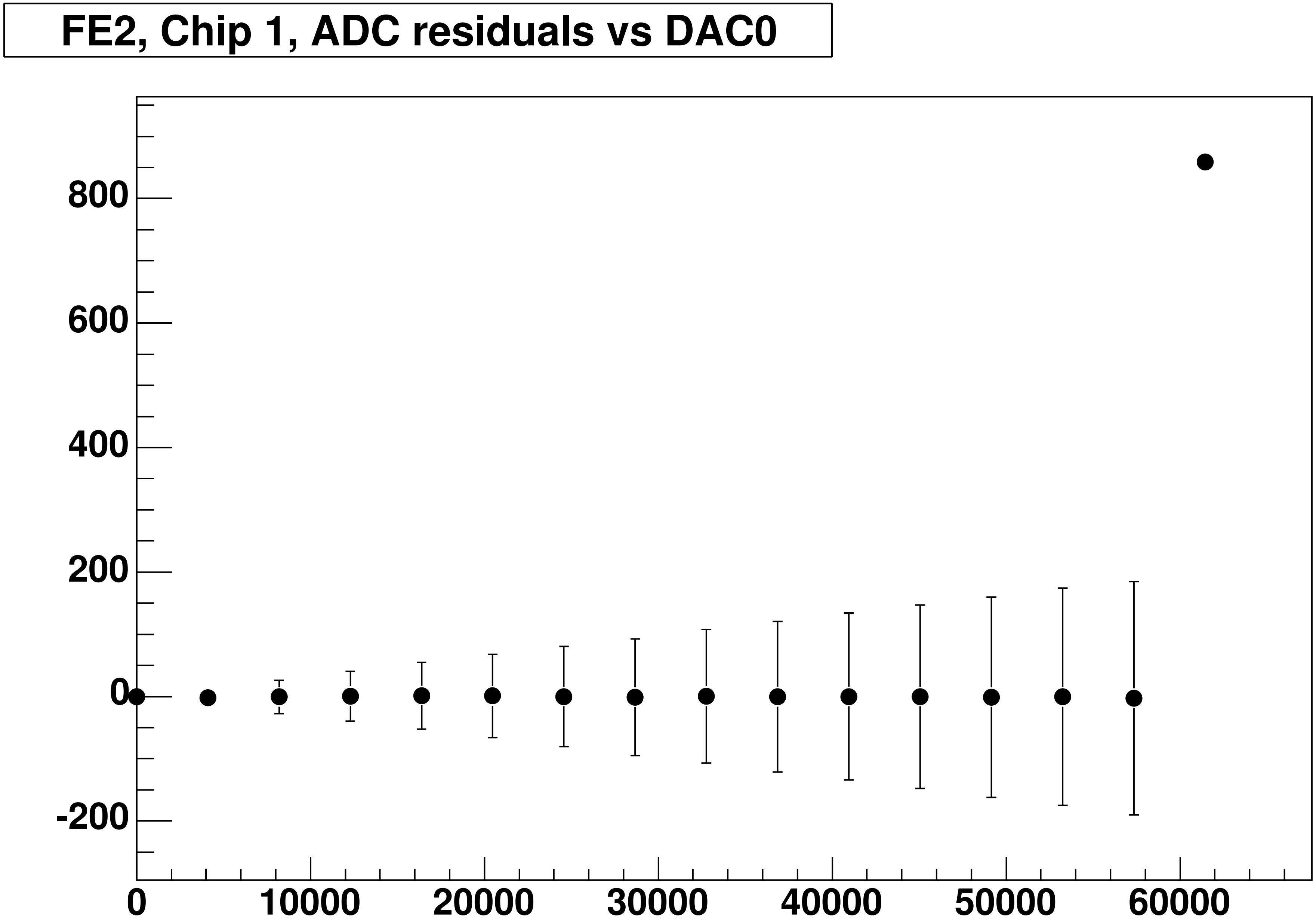

FE2, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

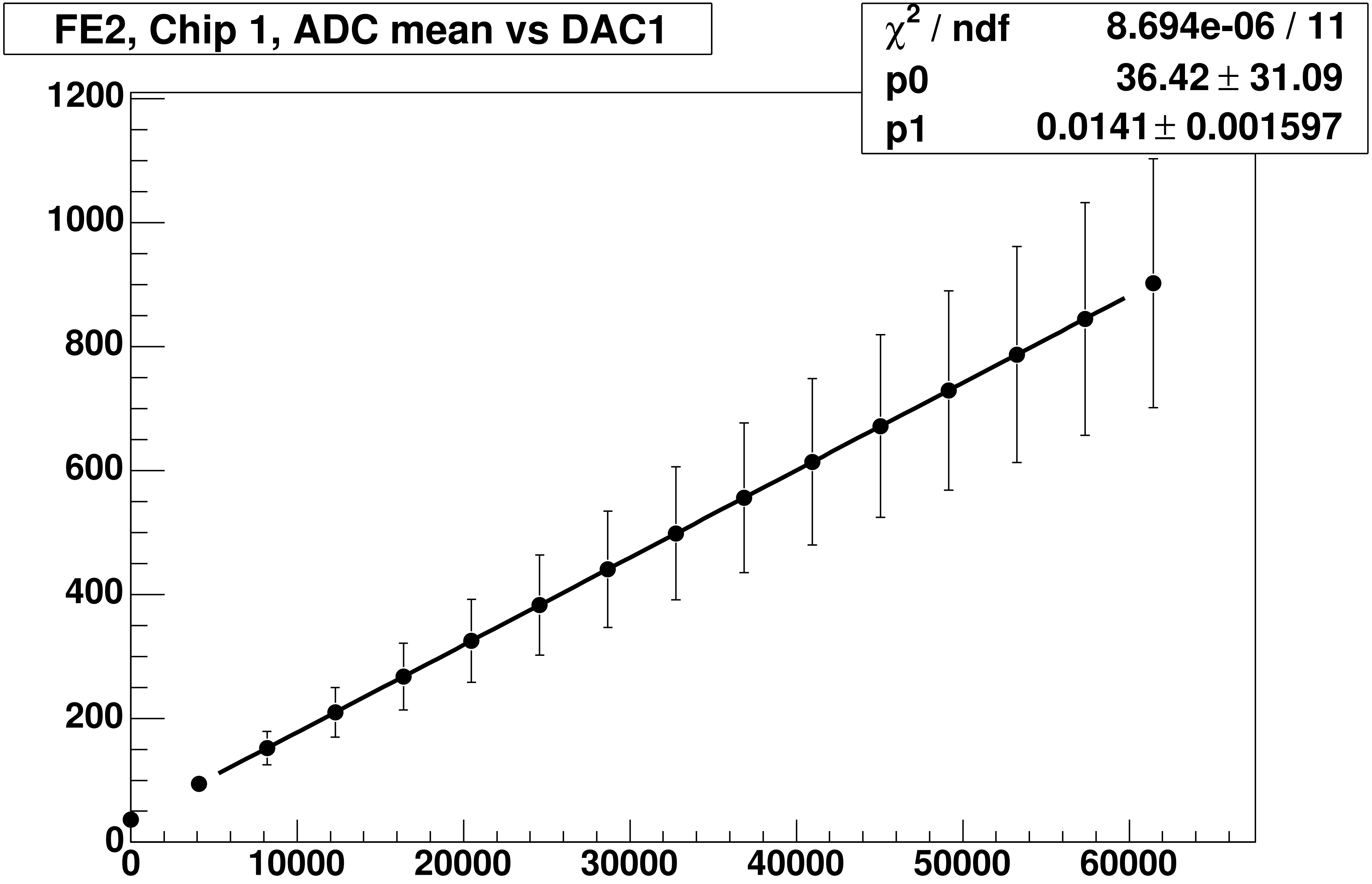


FE2, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

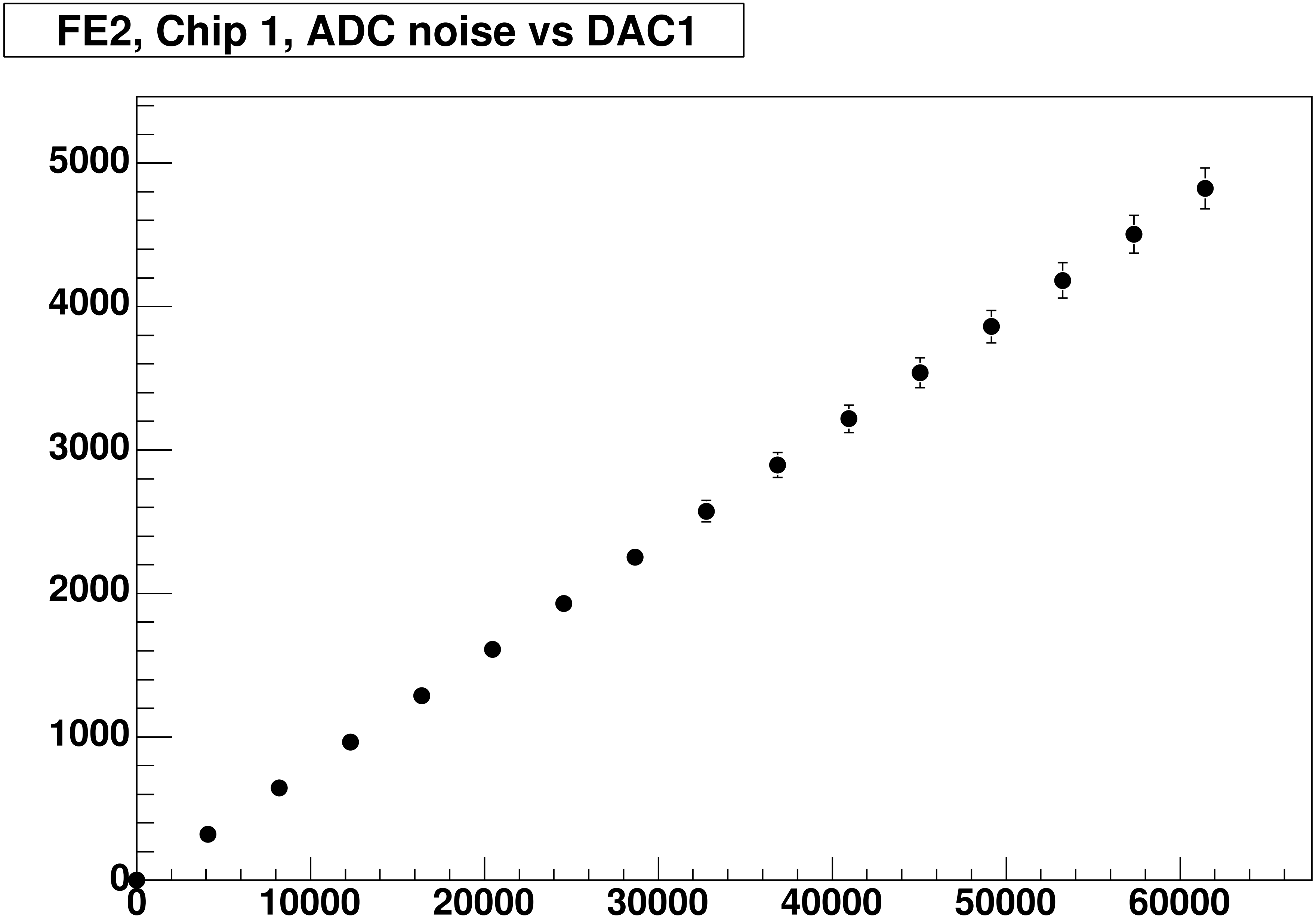

FE2, Chip 1, ADC mean vs DAC0
χ2 / ndf 0.002264 / 11
p0 38.54 ± 31.09
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

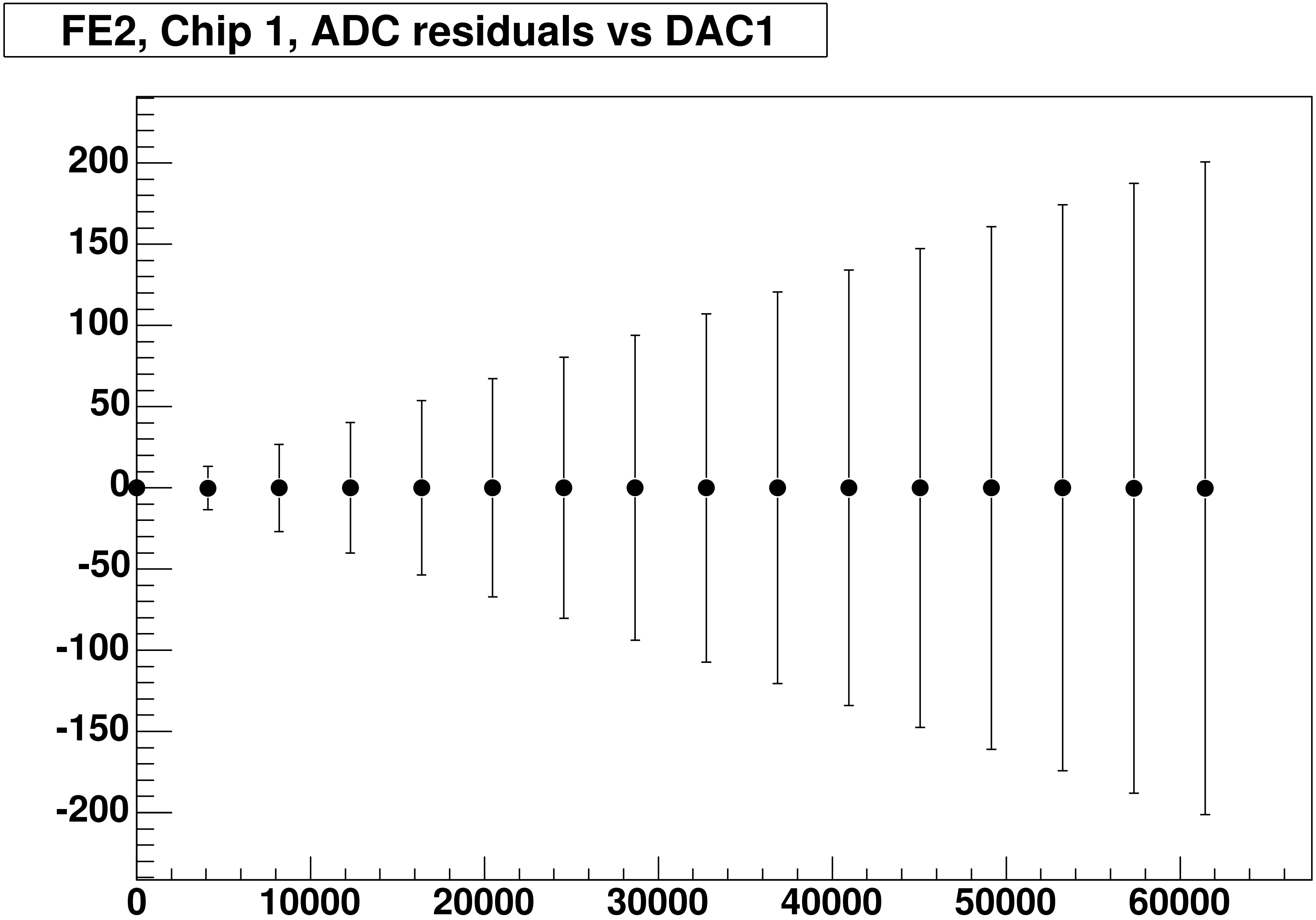

FE2, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

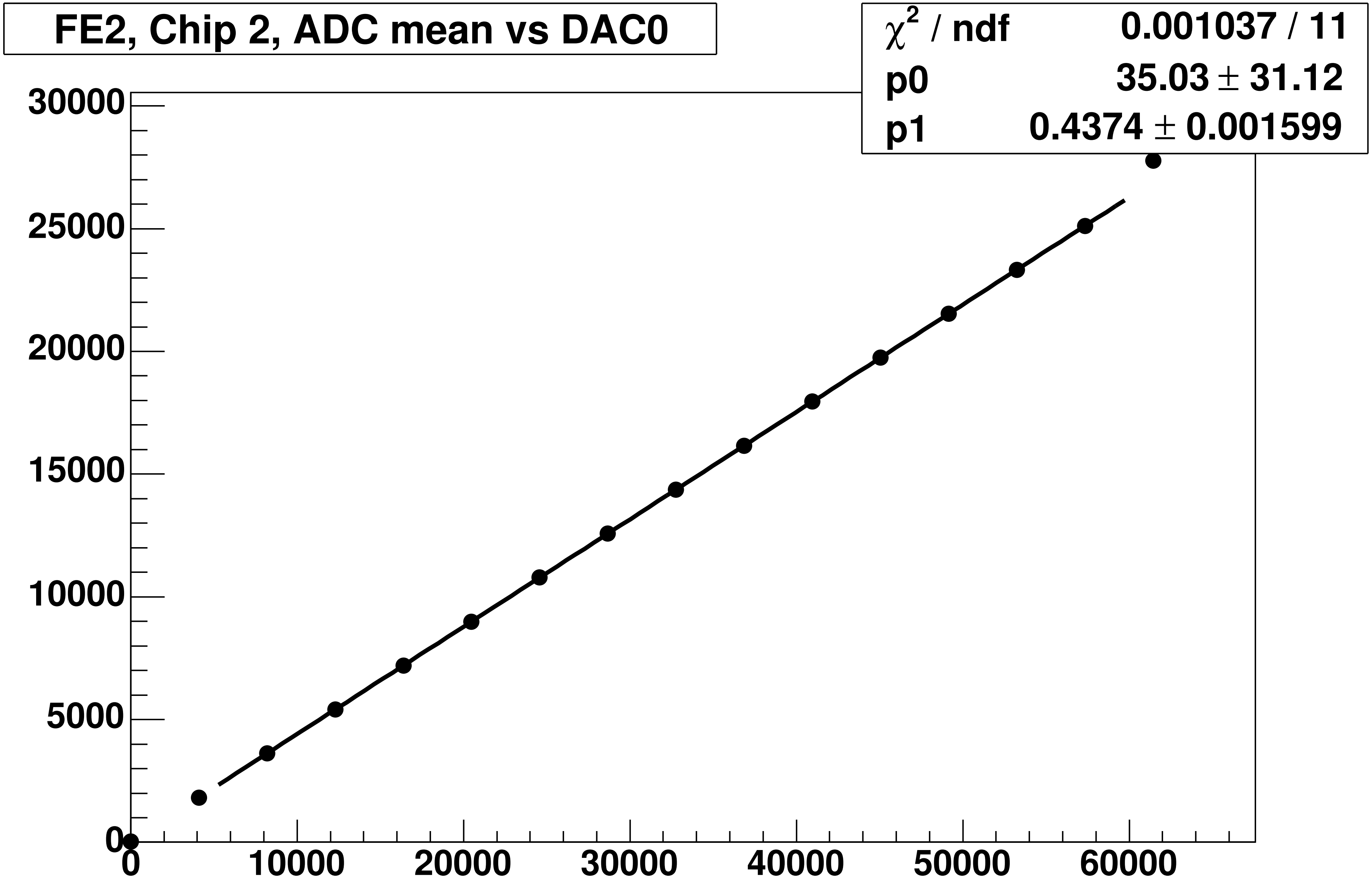


FE2, Chip 1, ADC mean vs DAC1
χ^2 / ndf 8.694e-06 / 11
p0 36.42 ± 31.09
p1 0.0141 ± 0.001597
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

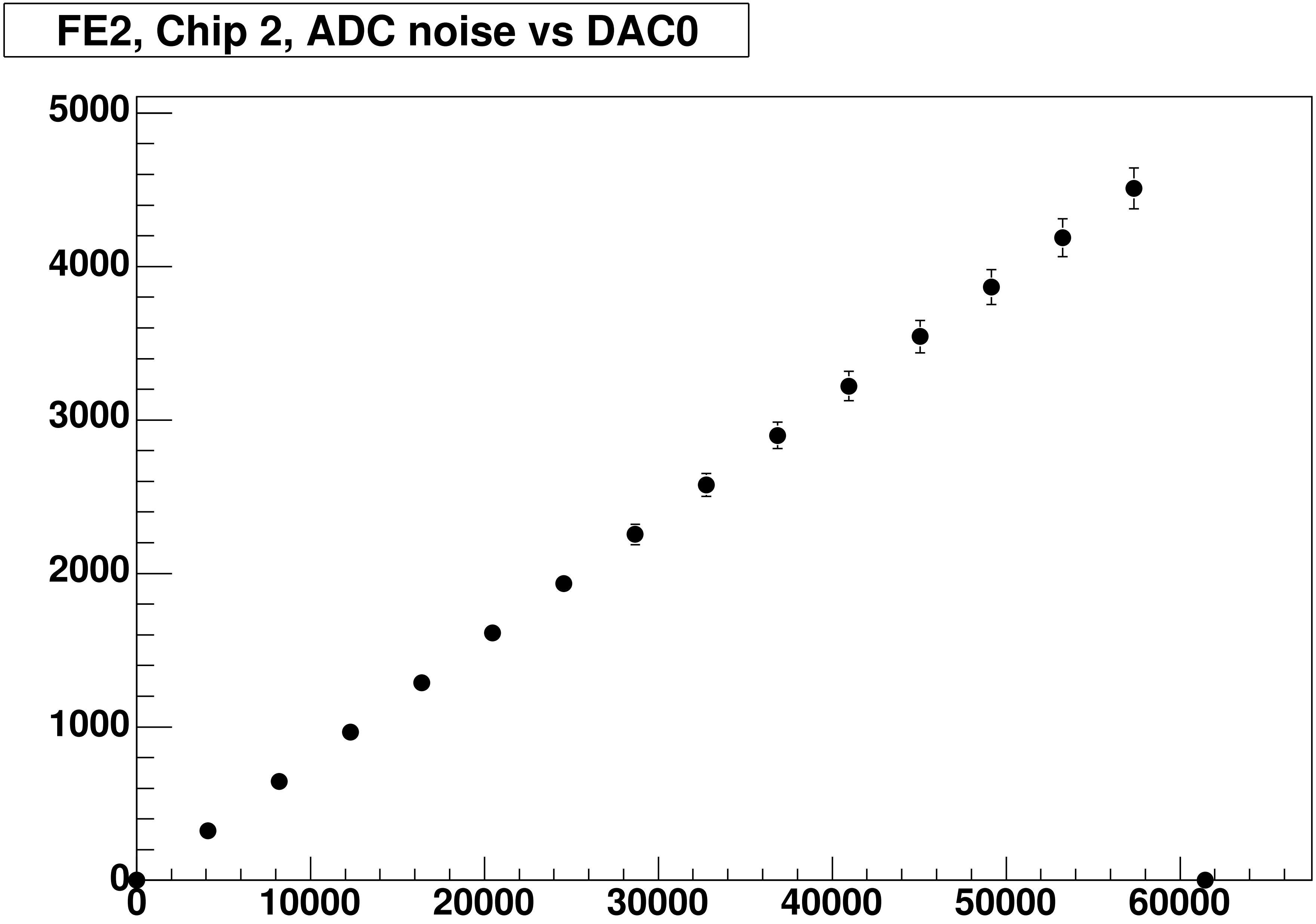


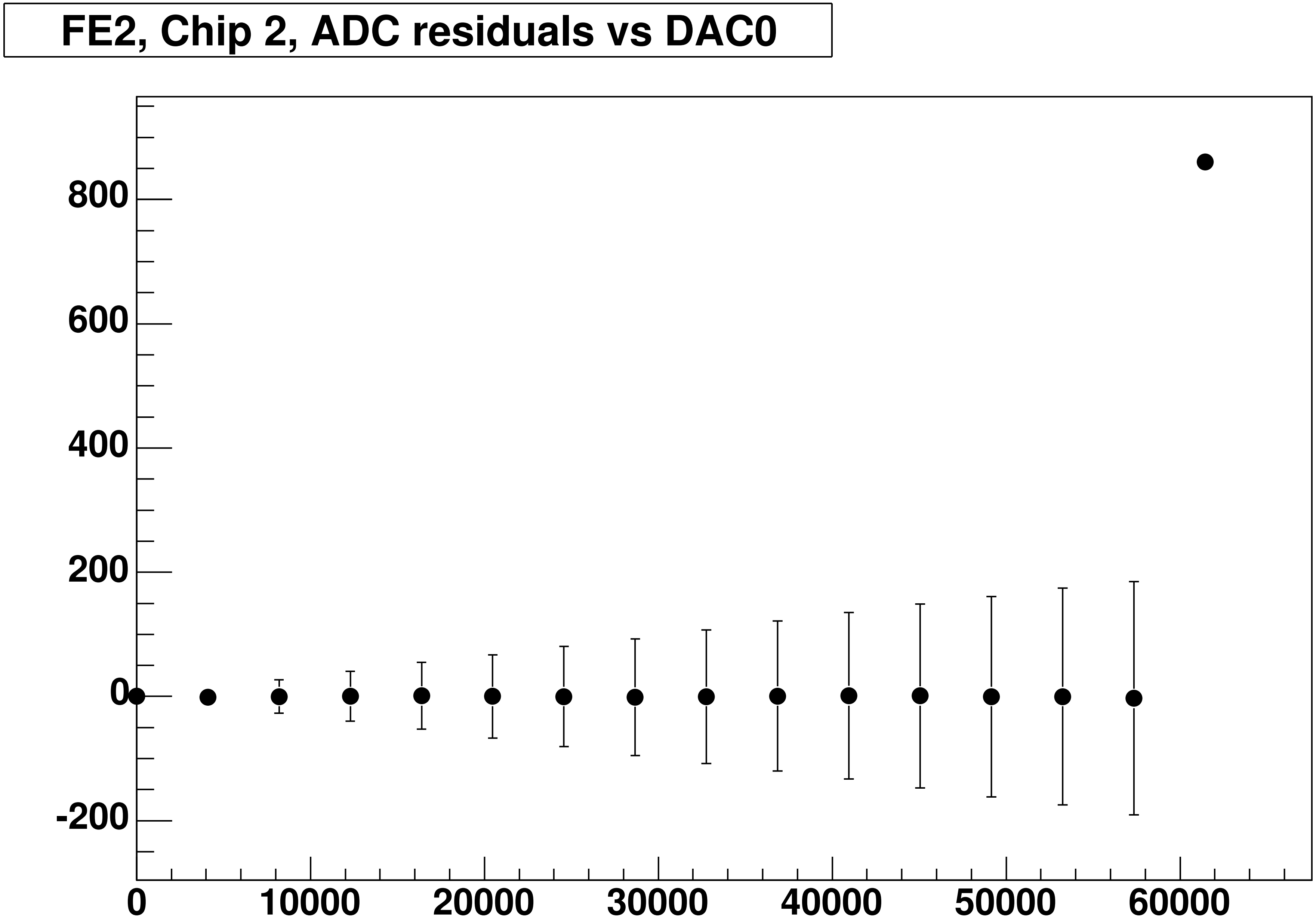
FE2, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

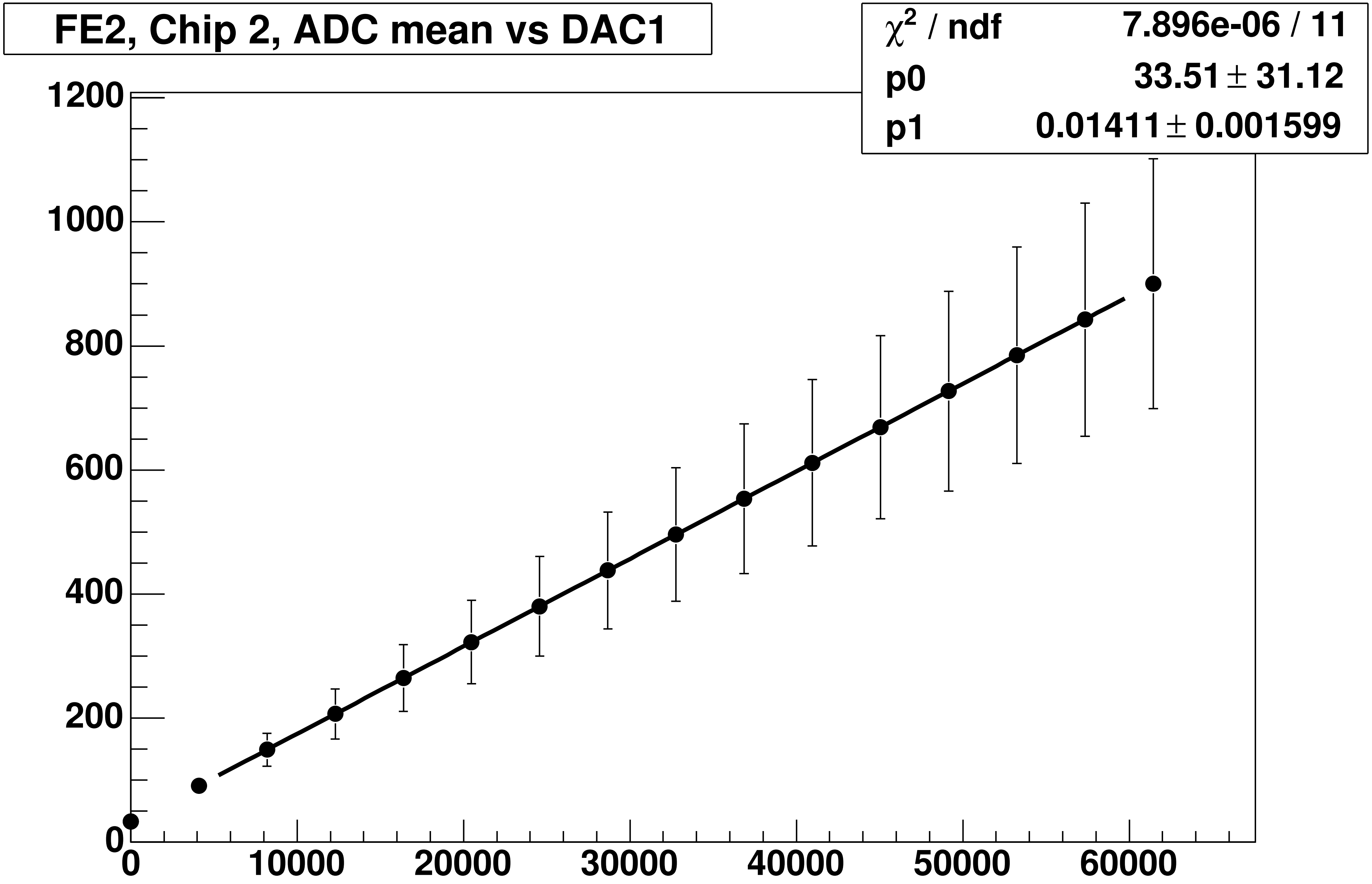


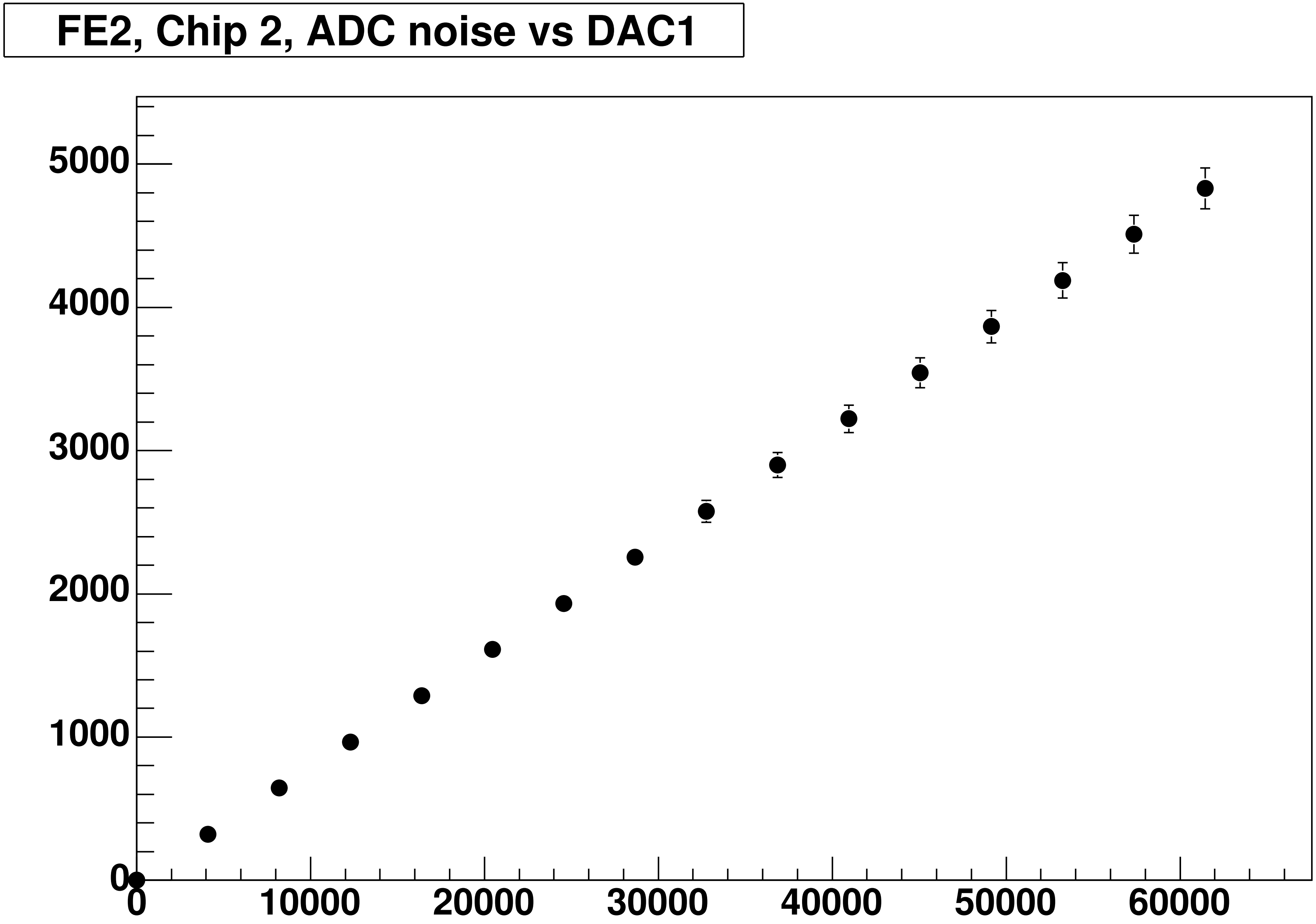
FE2, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001037 / 11
p0 35.03 ± 31.12
p1 0.4374 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

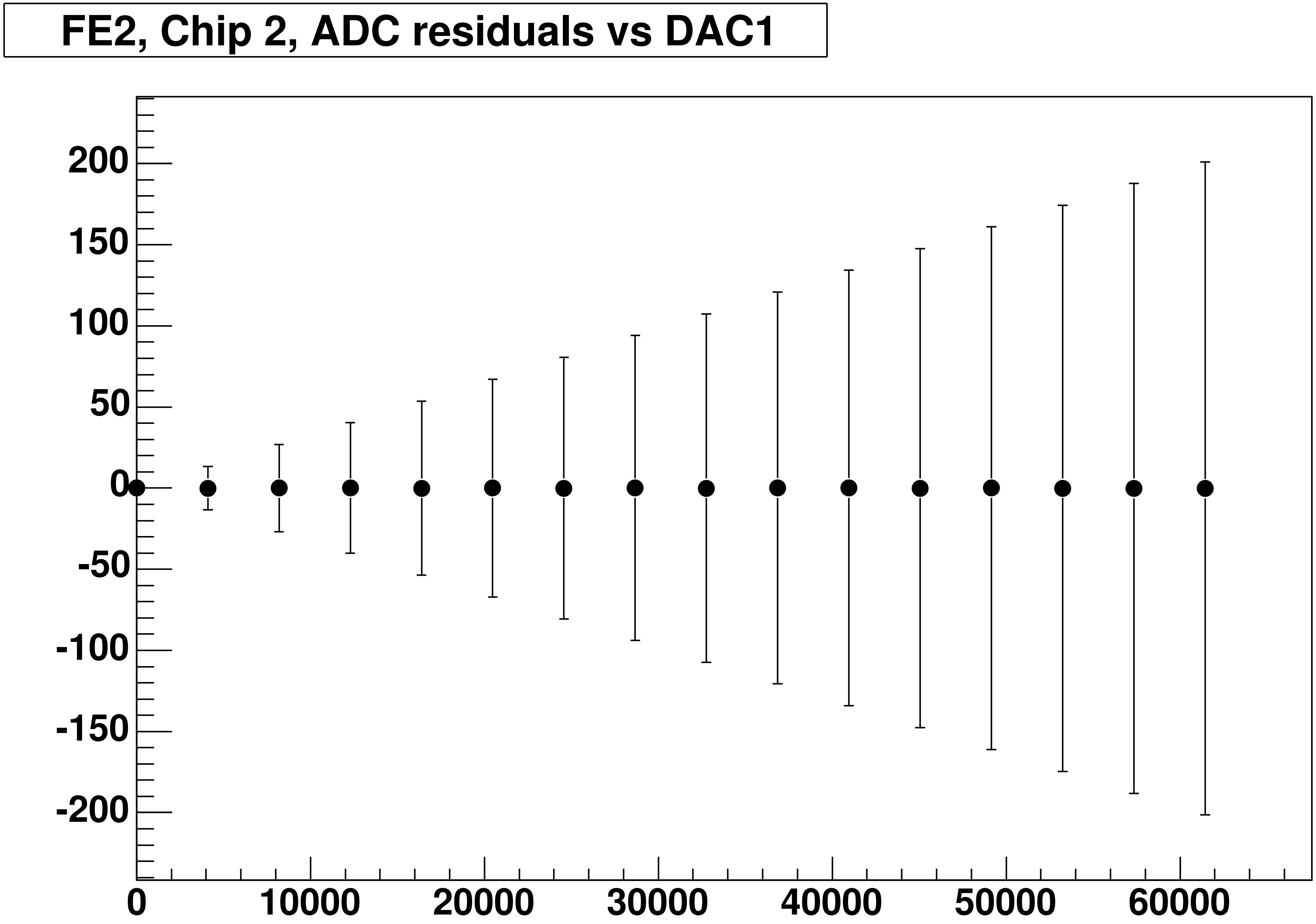

FE2, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

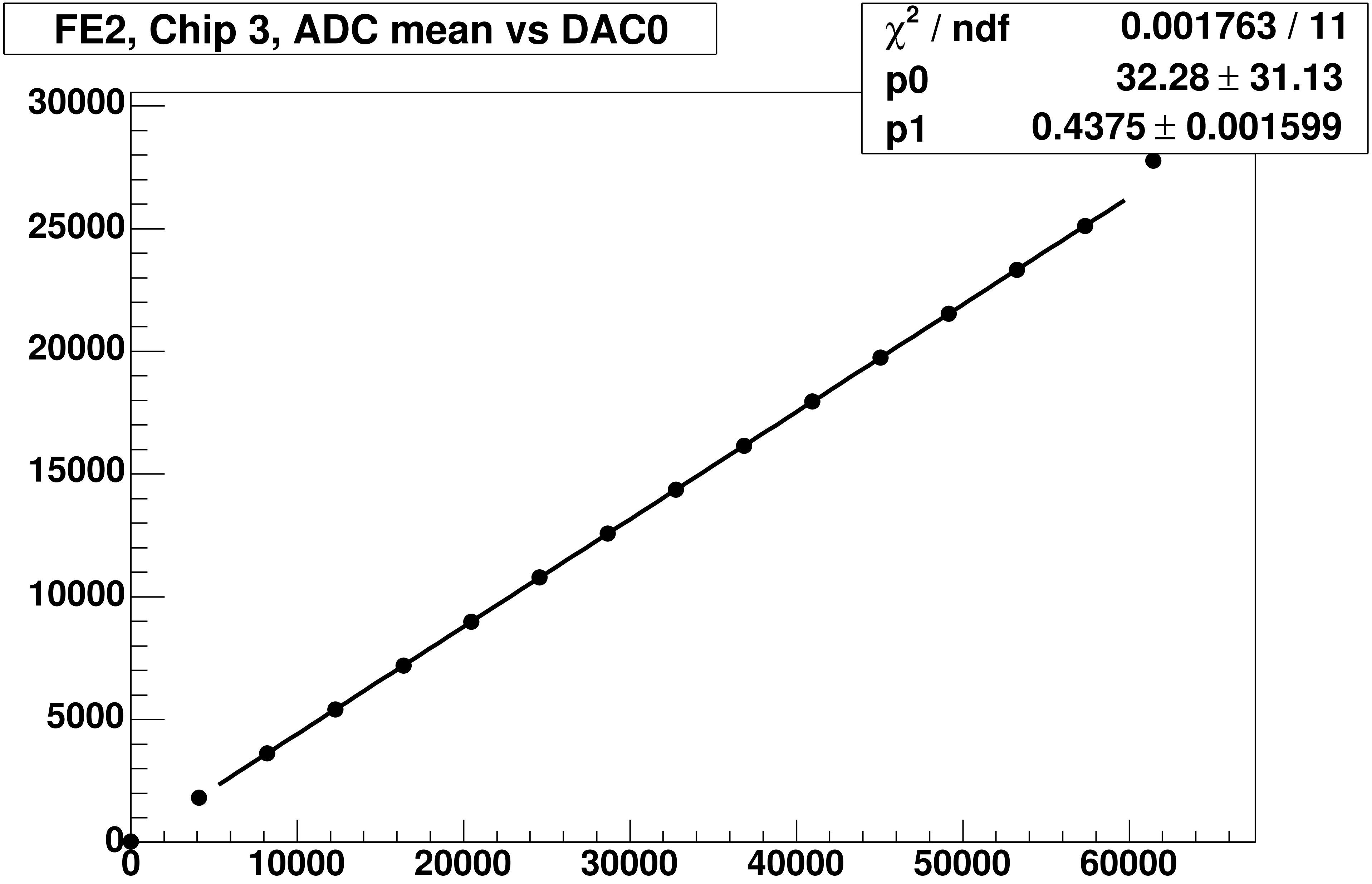


FE2, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

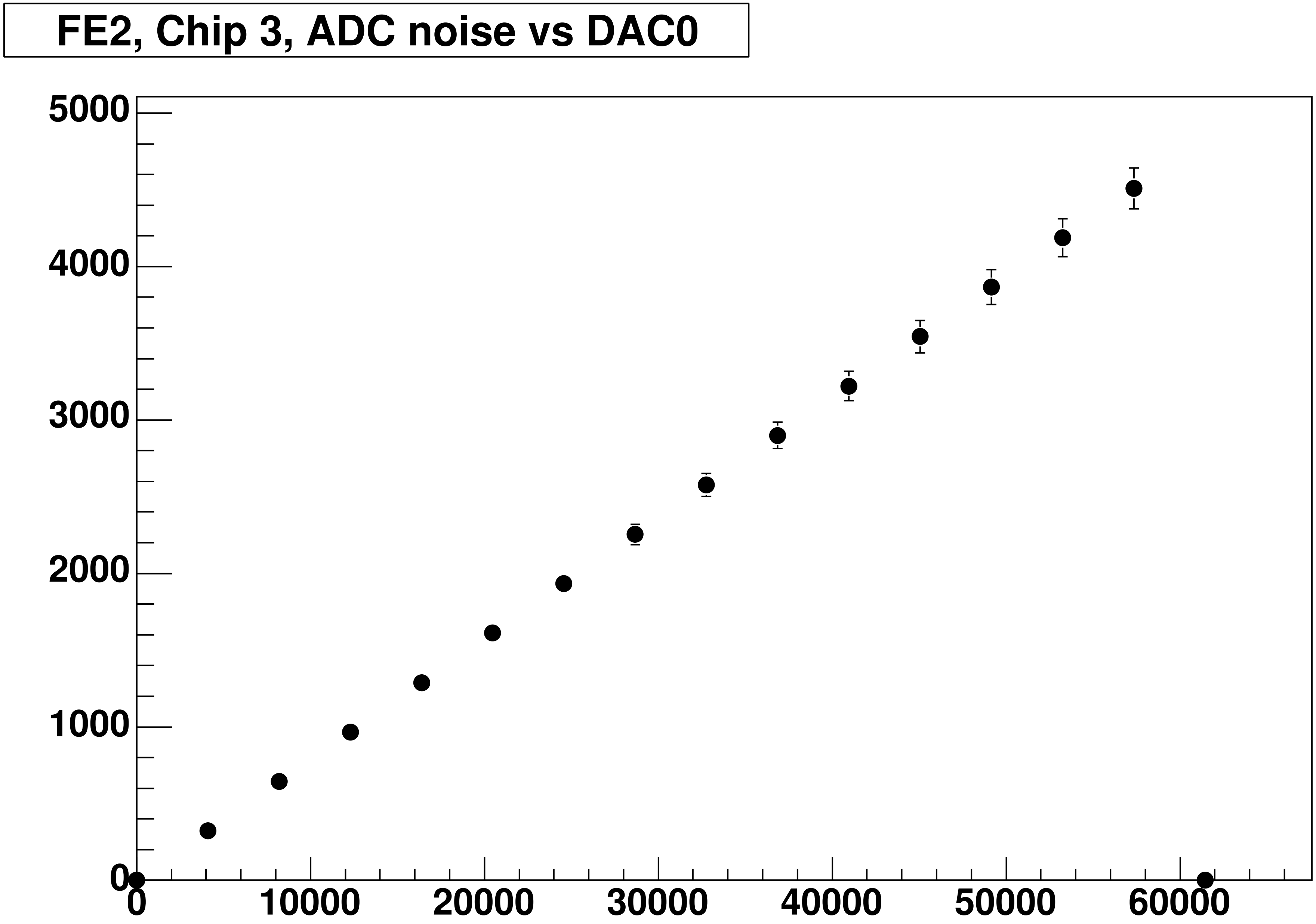

FE2, Chip 2, ADC mean vs DAC1
χ2 / ndf 7.896e-06 / 11
p0 33.51 ± 31.12
p1 0.01411 ± 0.001599
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

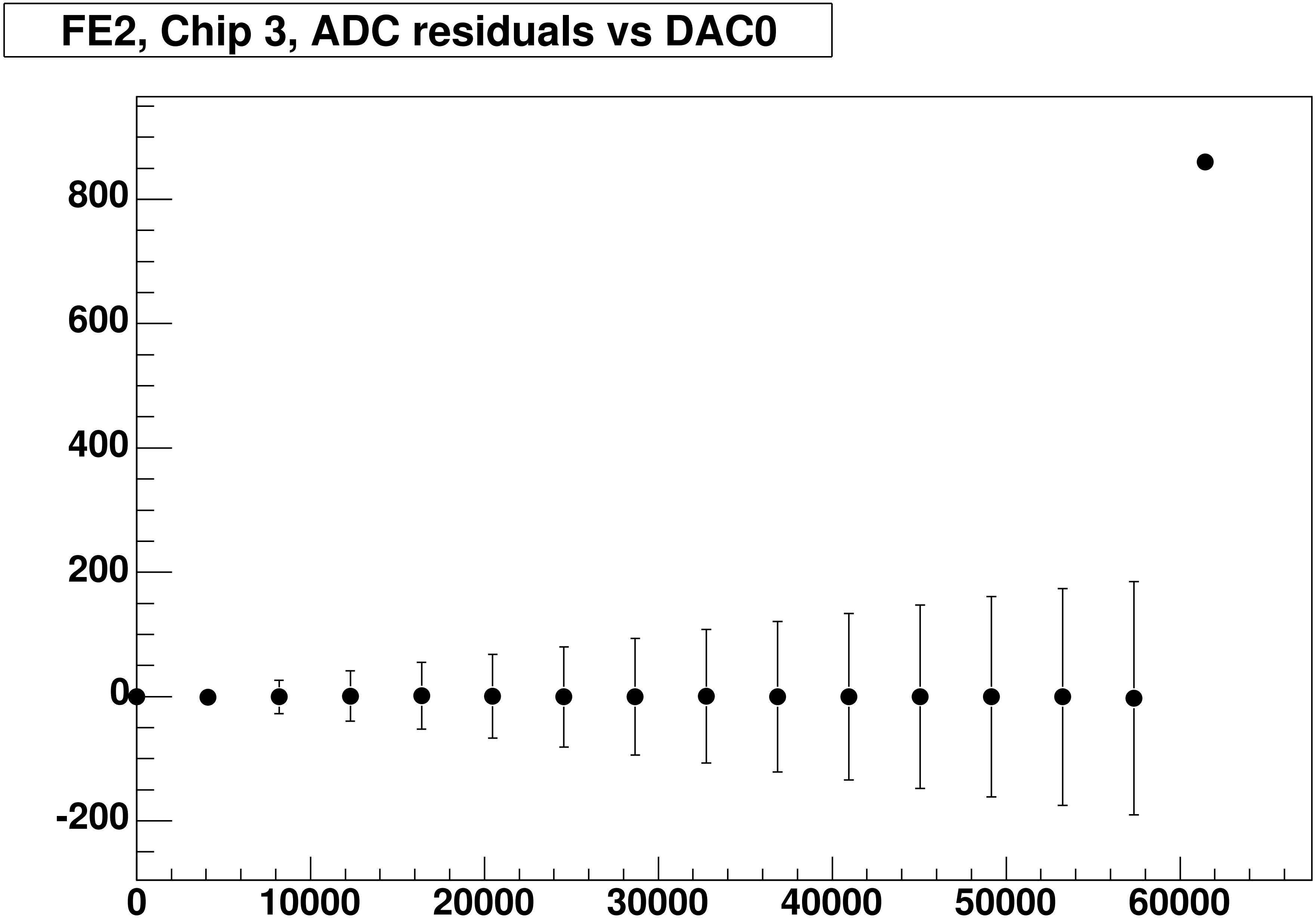

FE2, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



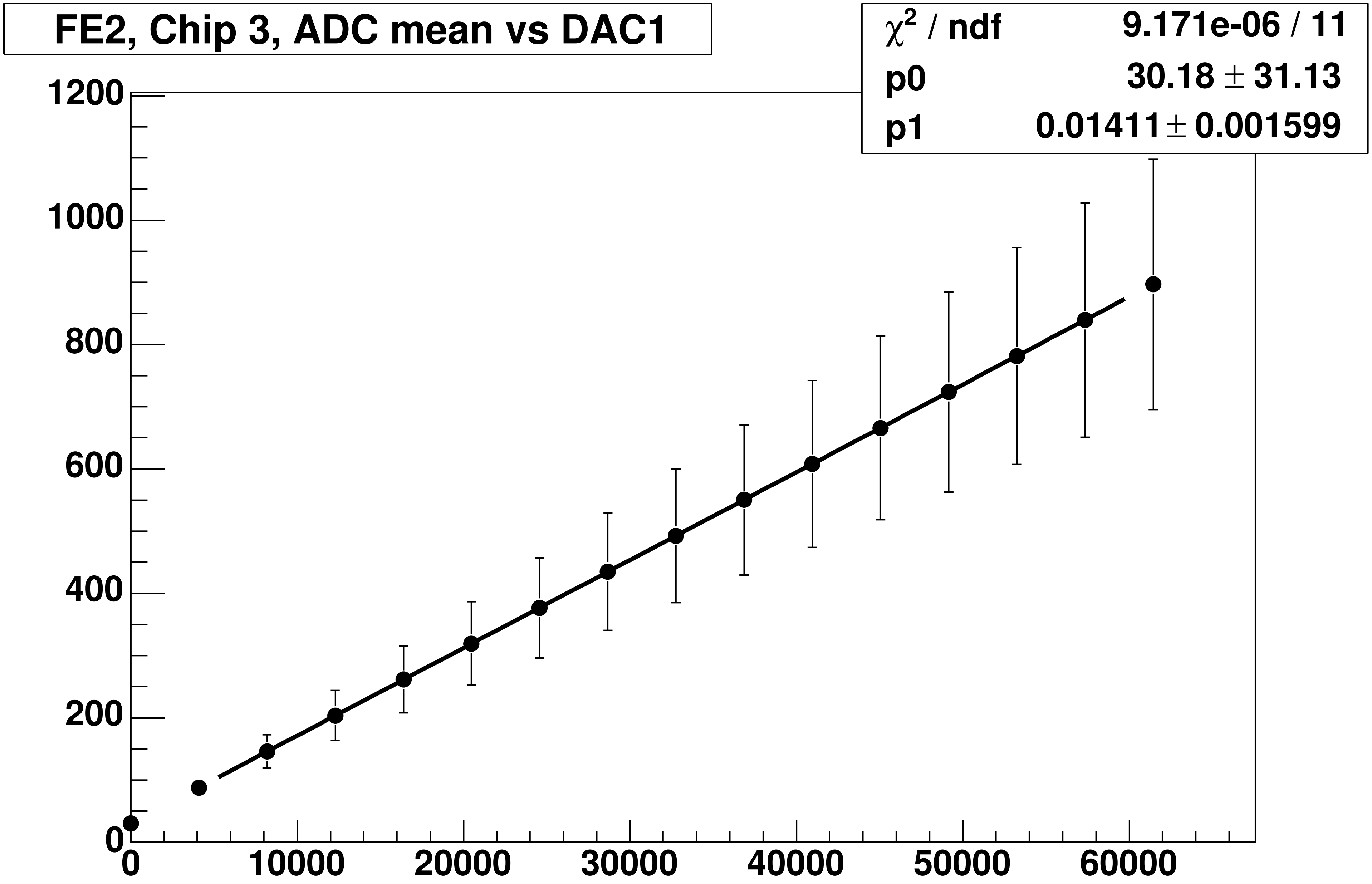
FE2, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.001763 / 11
p0 32.28 ± 31.13
p1 0.4375 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



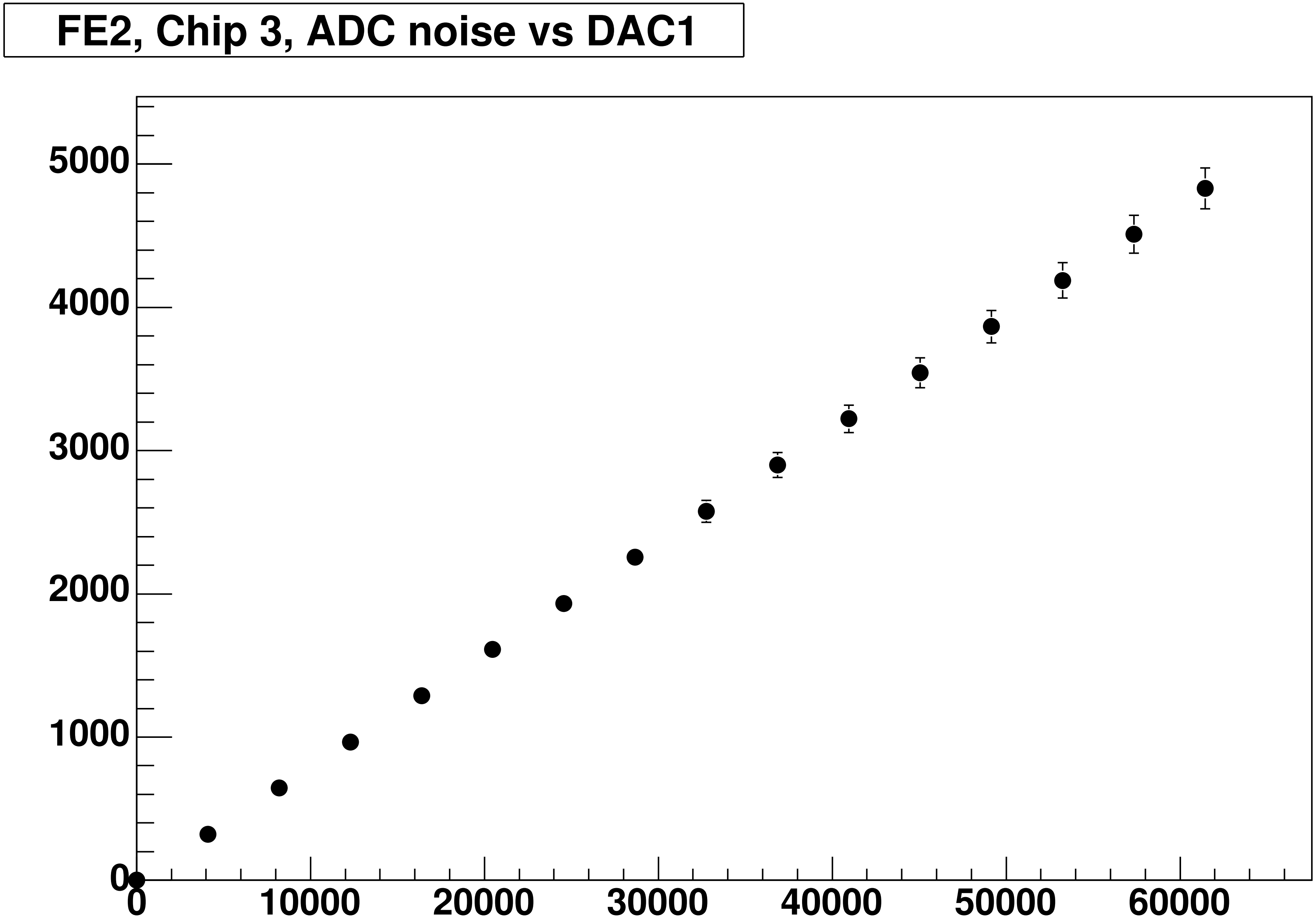
FE2, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

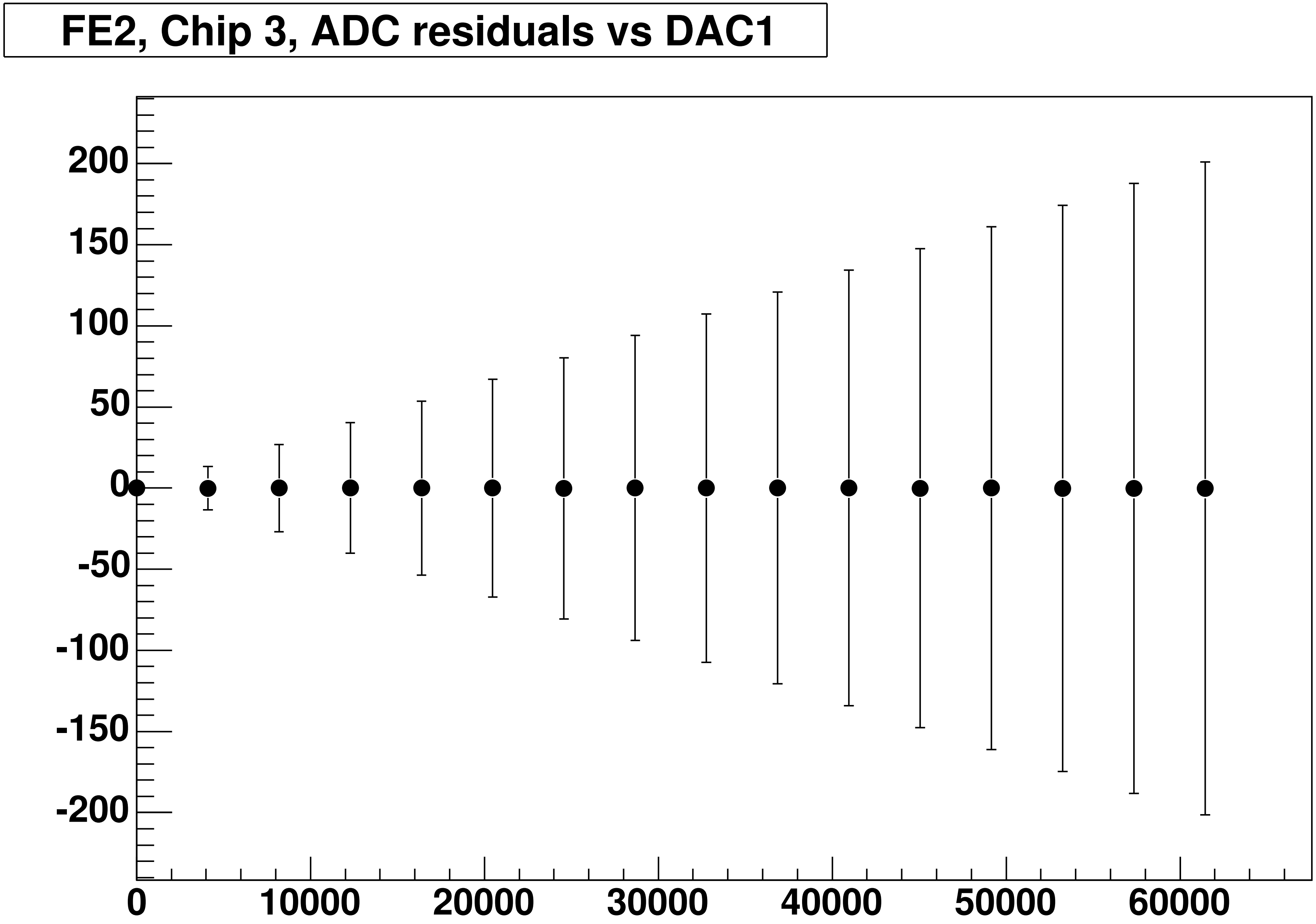


FE2, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

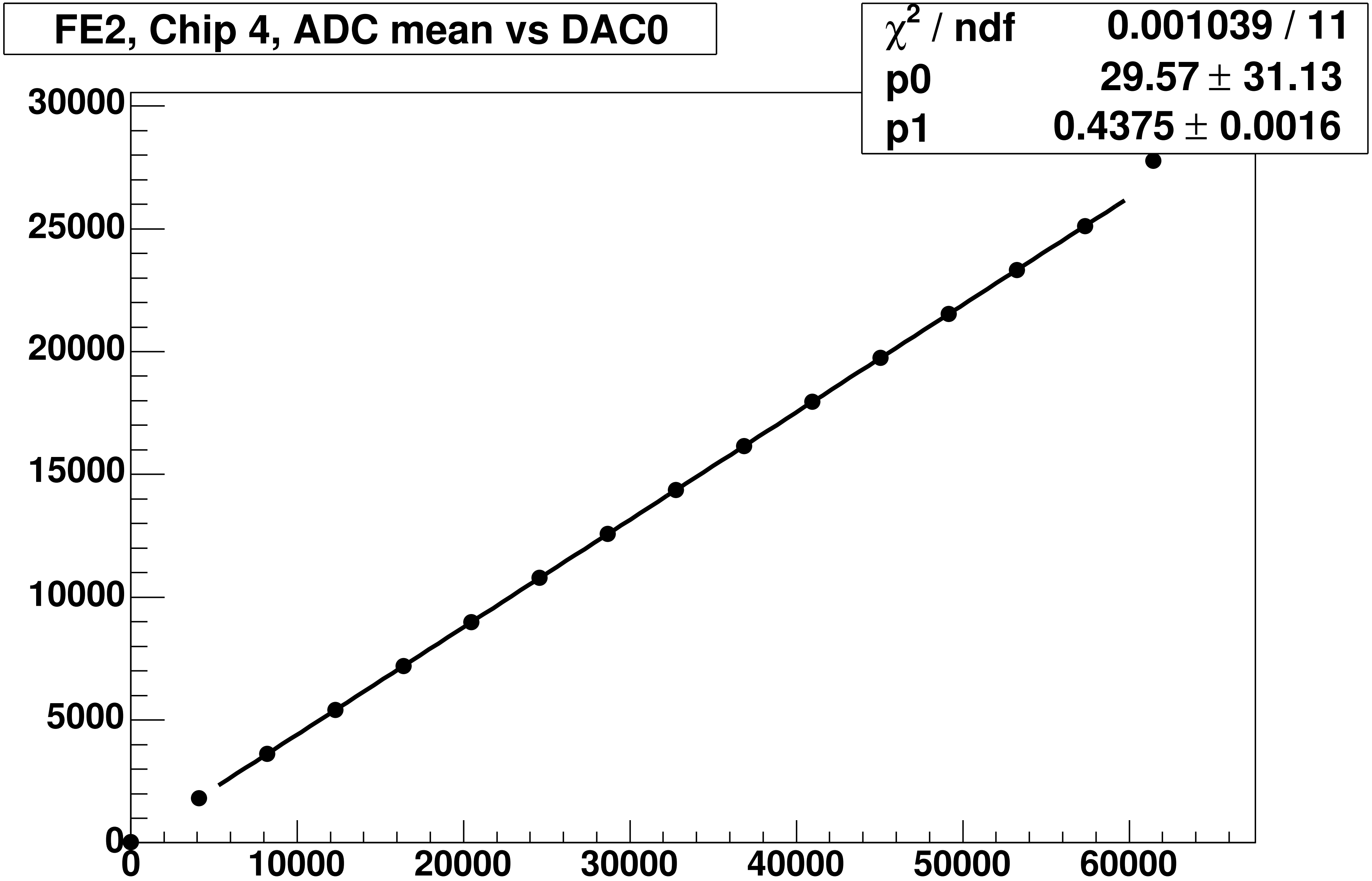


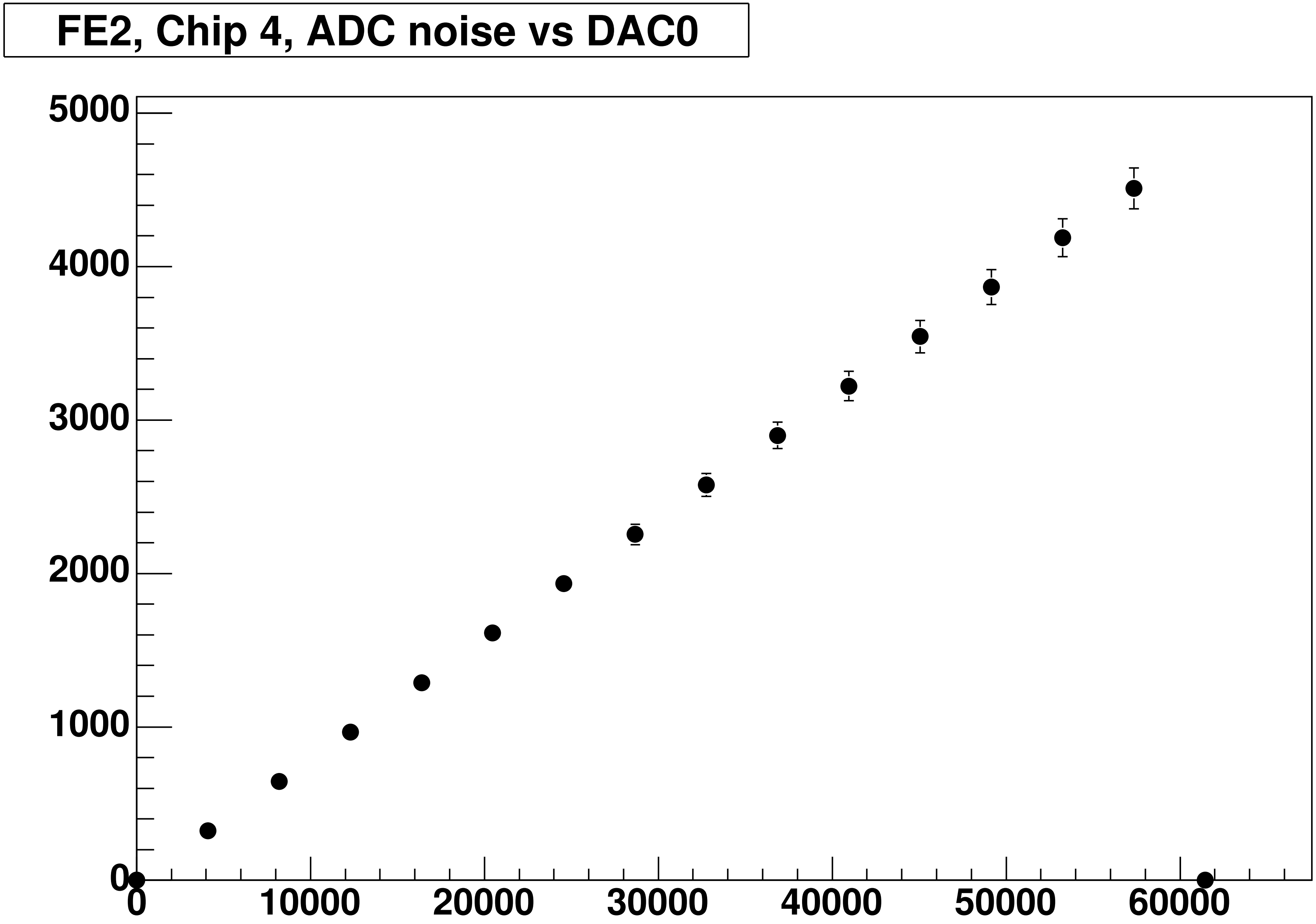
FE2, Chip 3, ADC mean vs DAC1
χ2 / ndf 9.171e-06 / 11
p0 30.18 ± 31.13
p1 0.01411 ± 0.001599
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

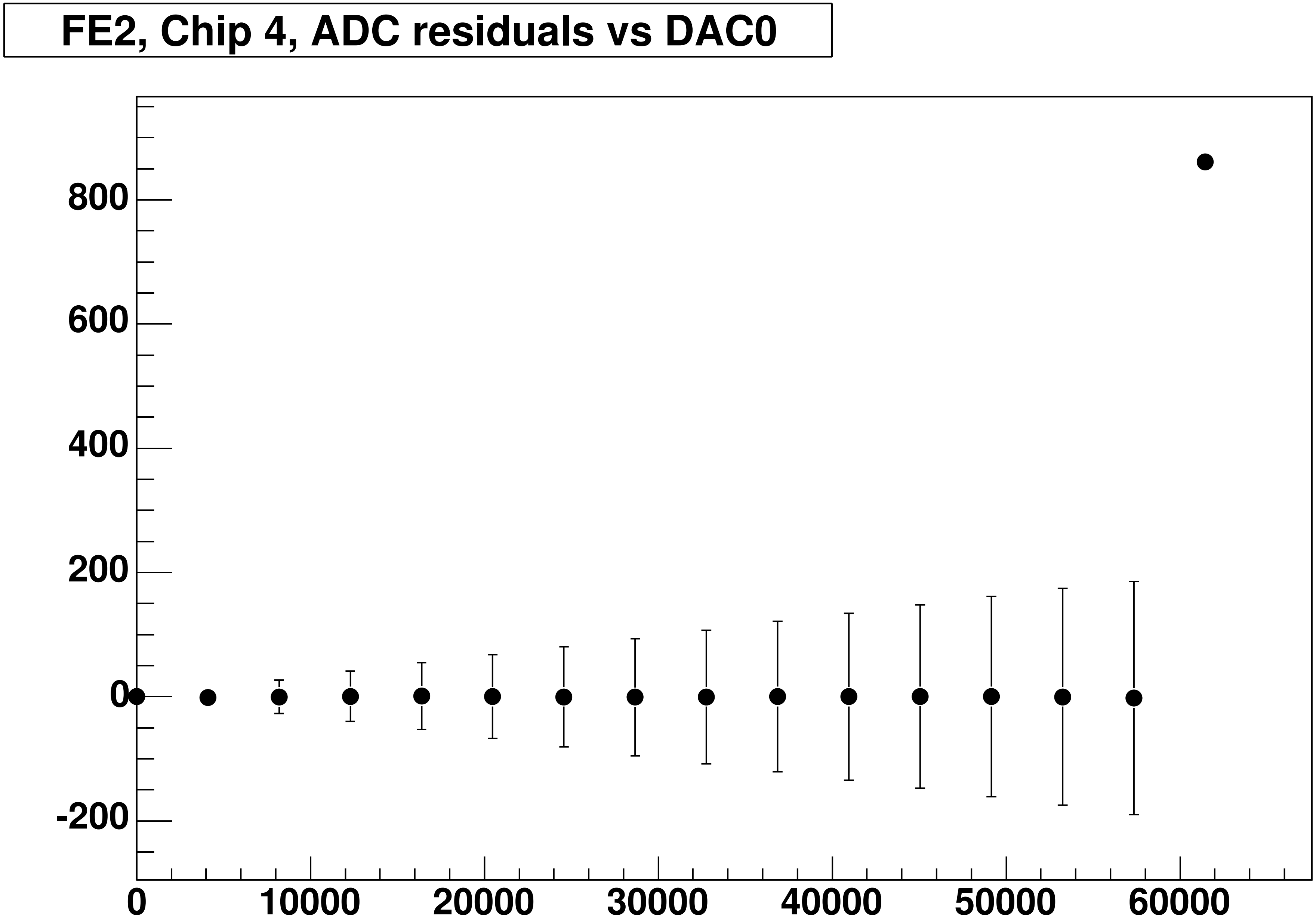


FE2, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

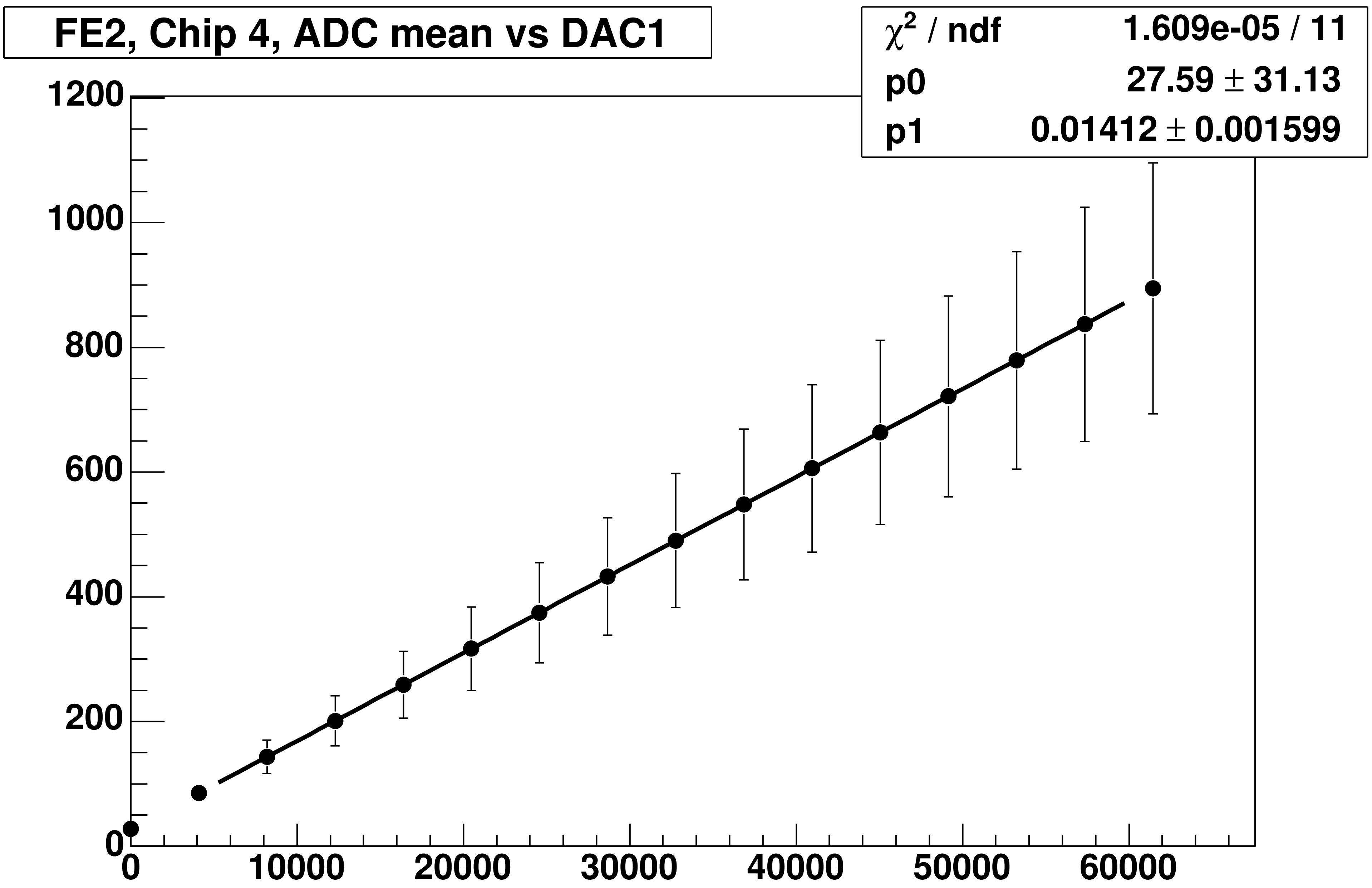

FE2, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001039 / 11
p0 29.57 ± 31.13
p1 0.4375 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



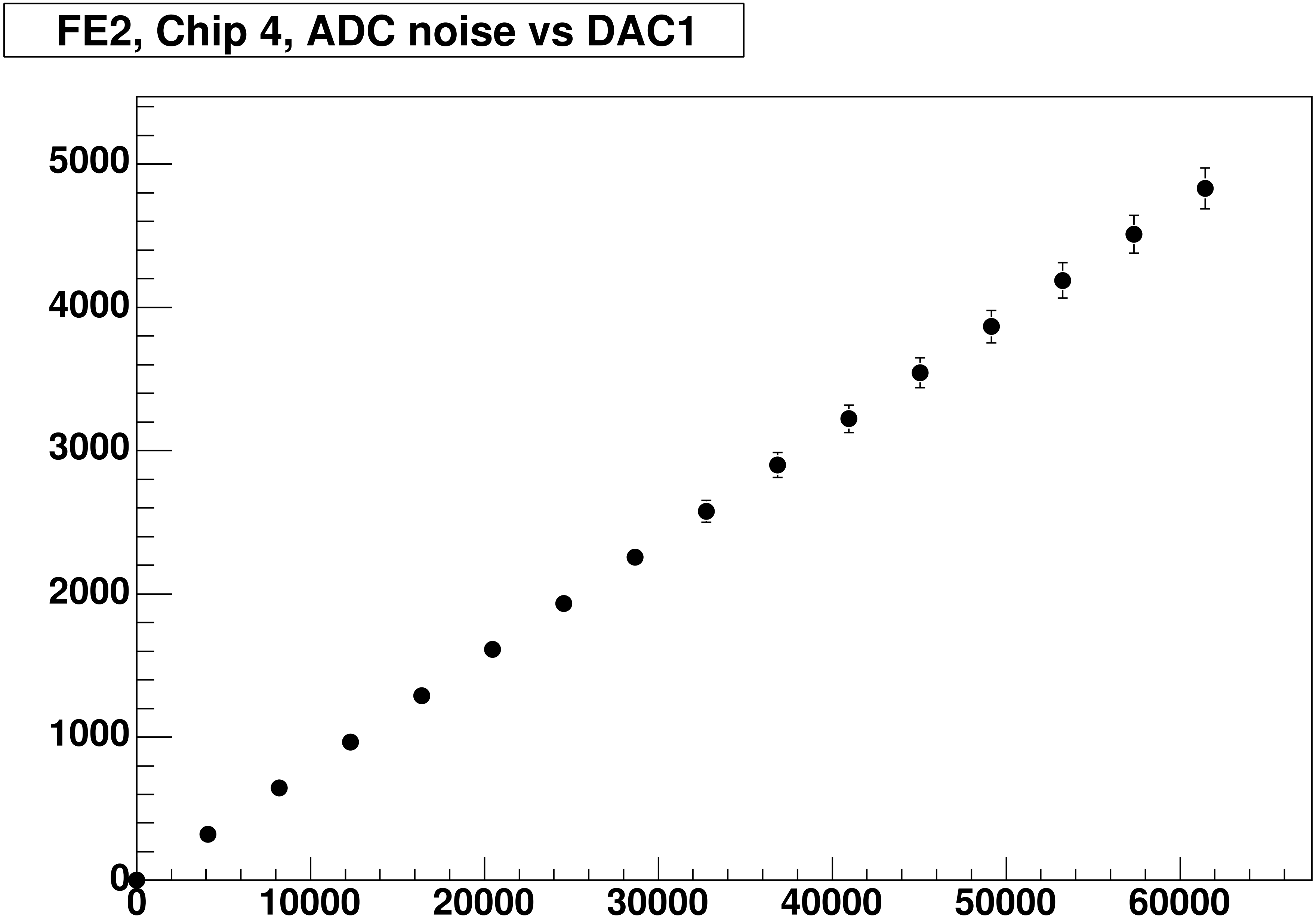
FE2, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

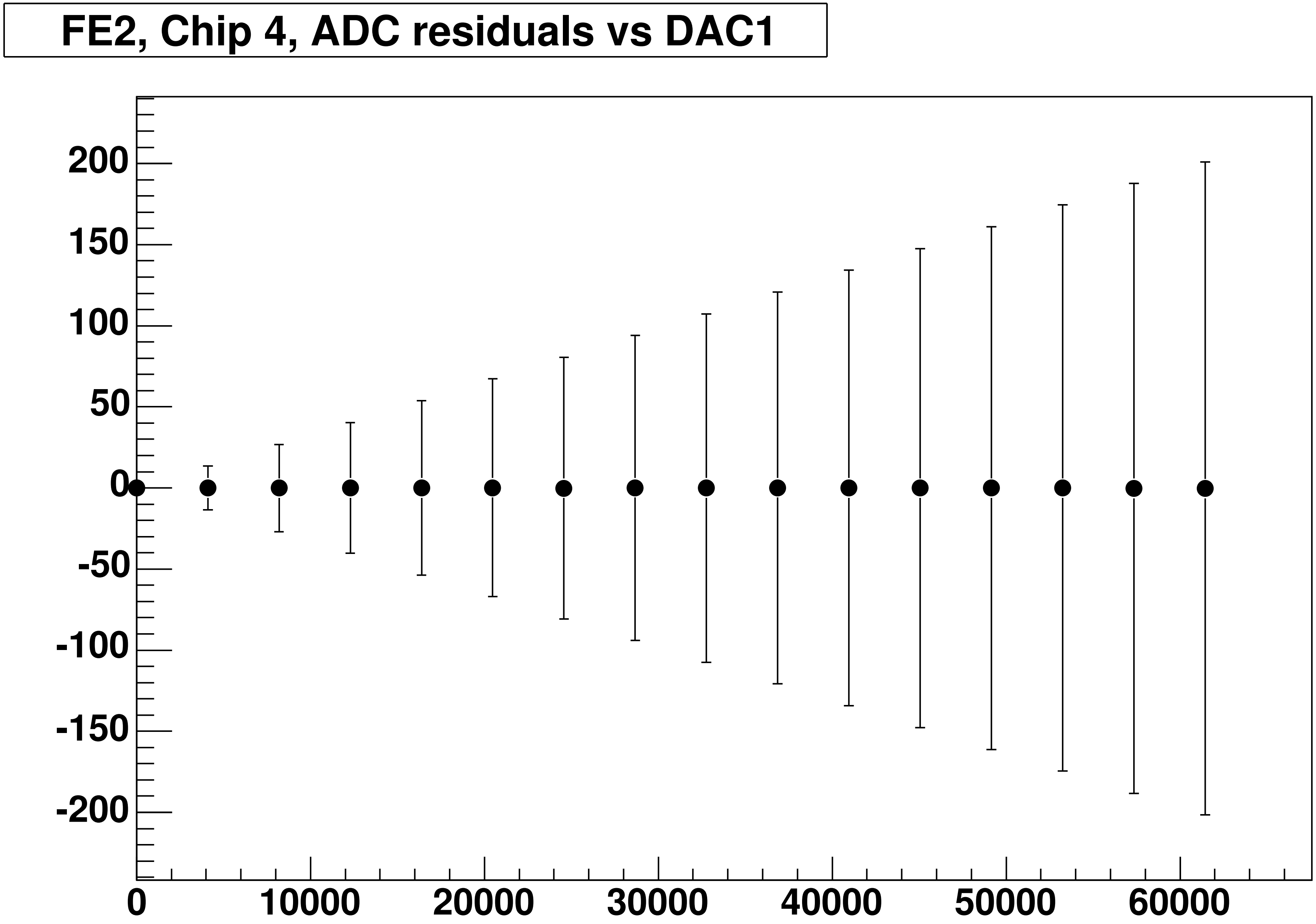


FE2, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

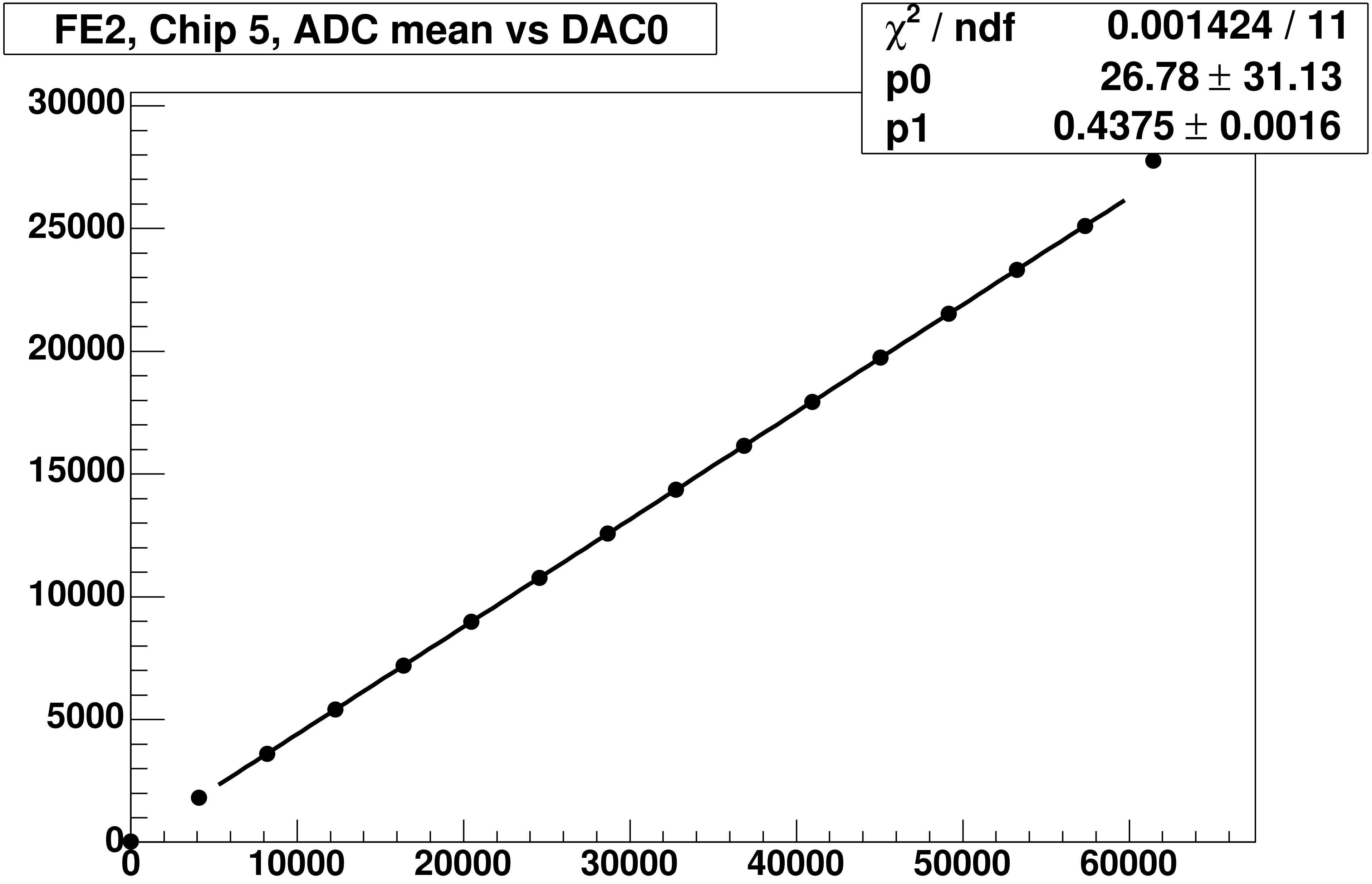


FE2, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.609e-05 / 11
p0 27.59 ± 31.13
p1 0.01412 ± 0.001599
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

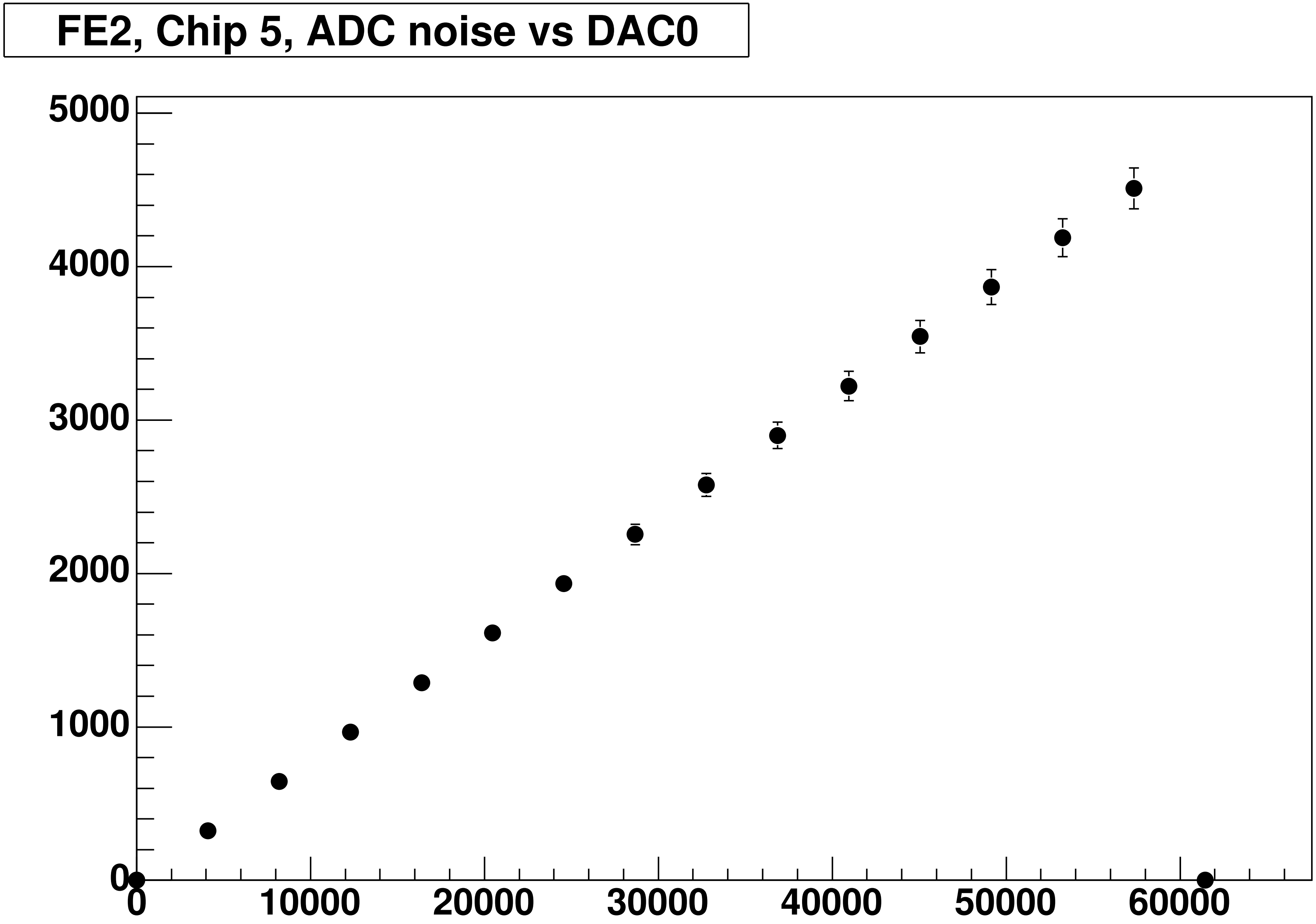

FE2, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



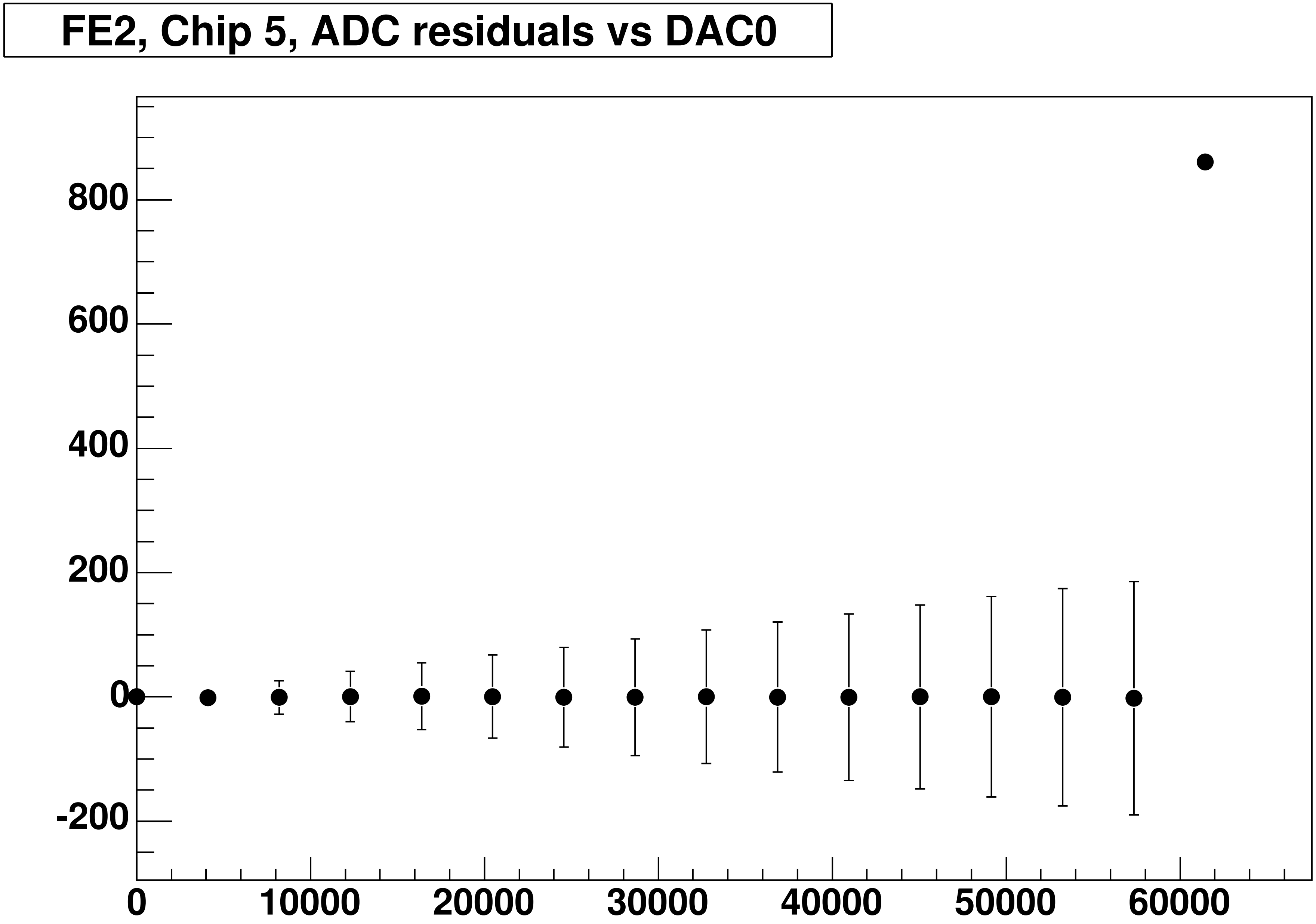
FE2, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

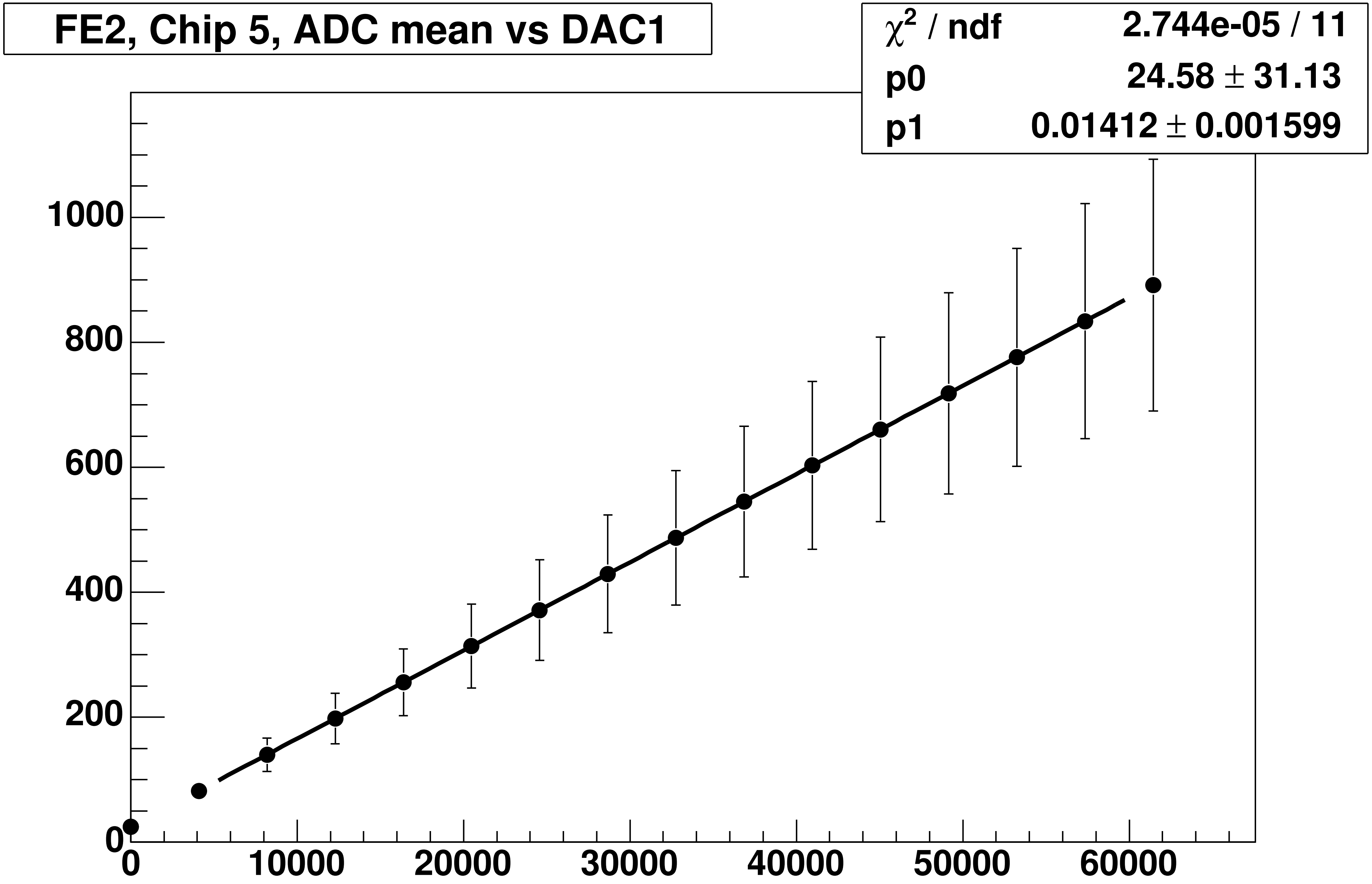


FE2, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.001424 / 11
p0 26.78 ± 31.13
p1 0.4375 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

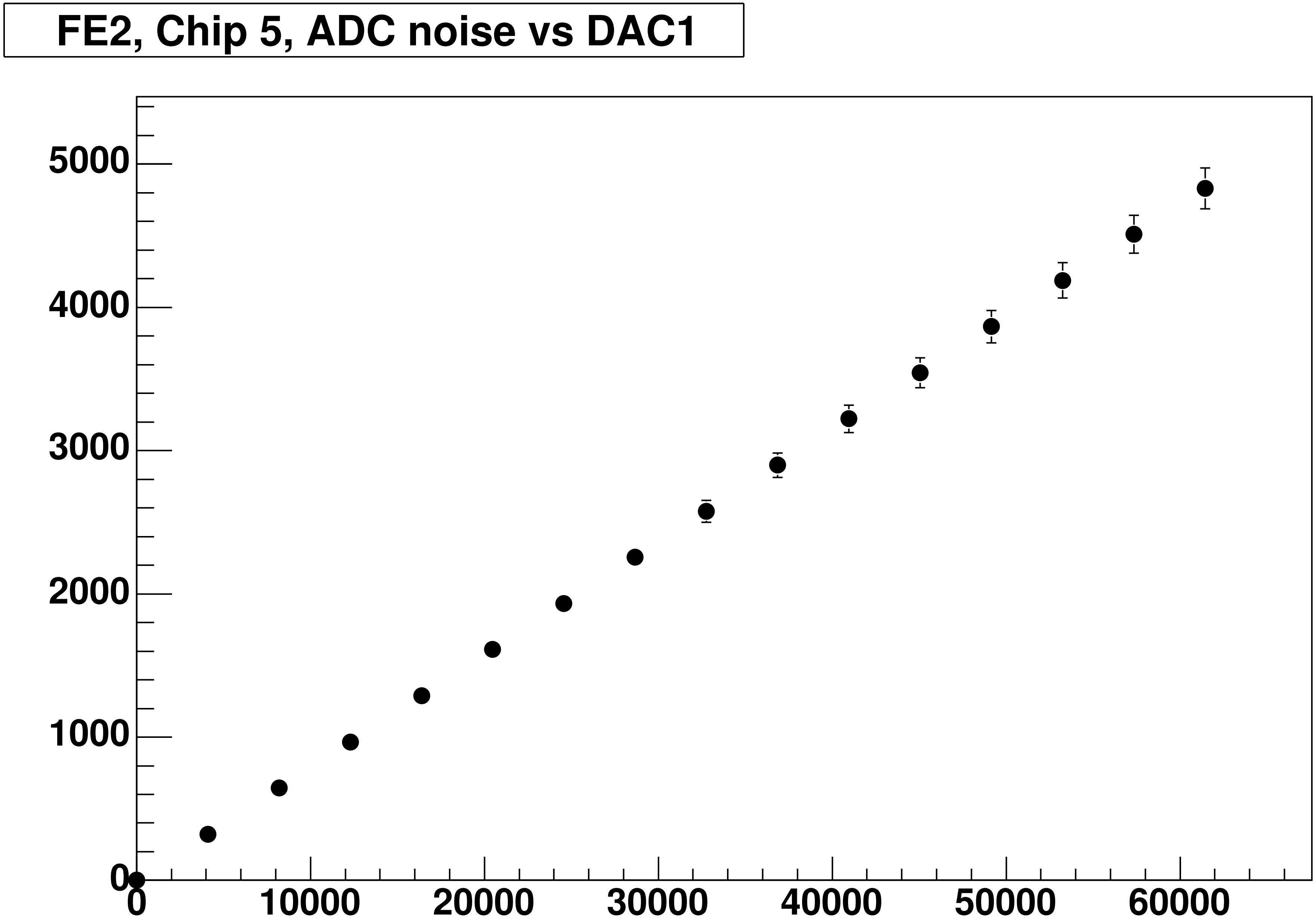


FE2, Chip 5, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

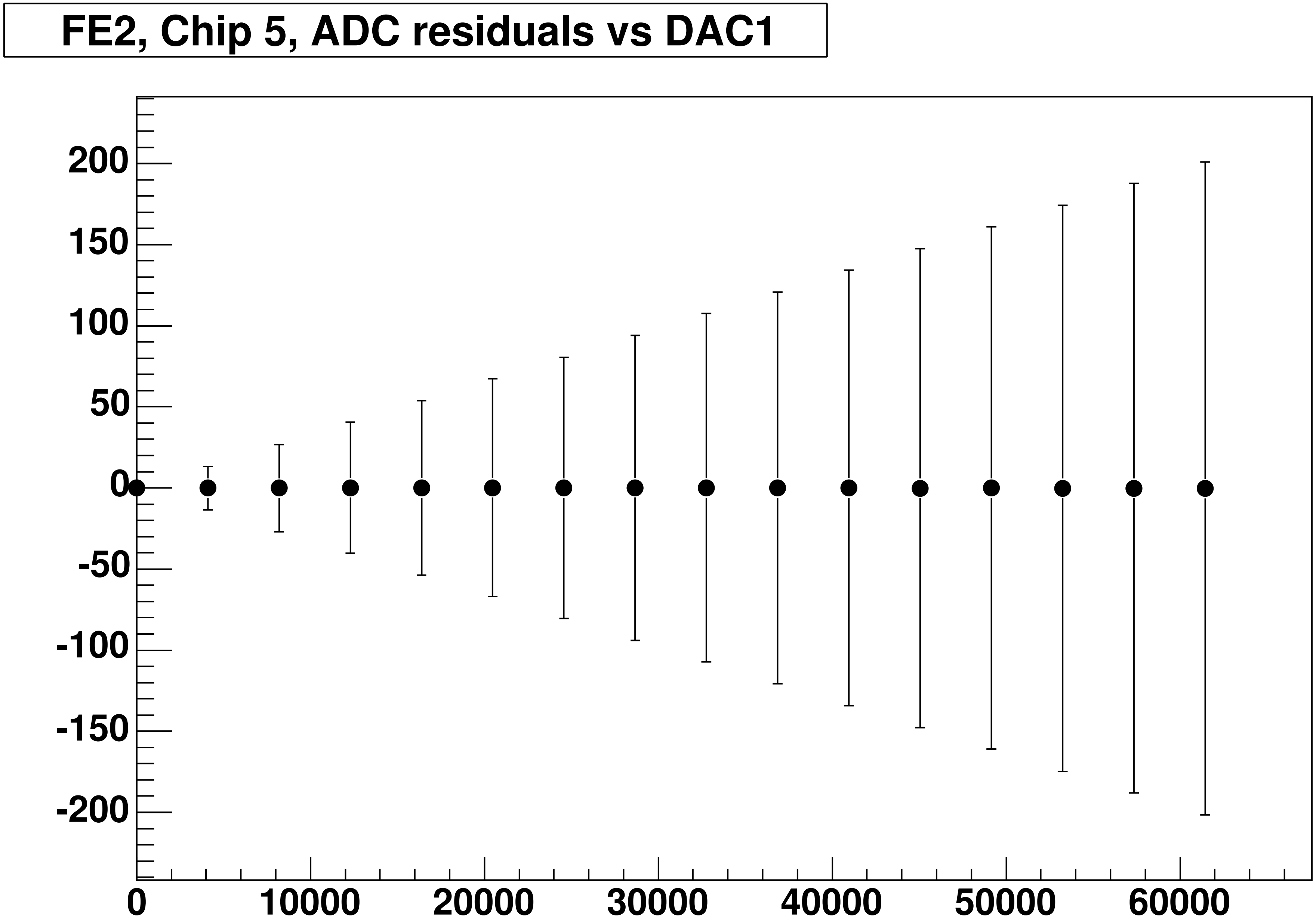

FE2, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

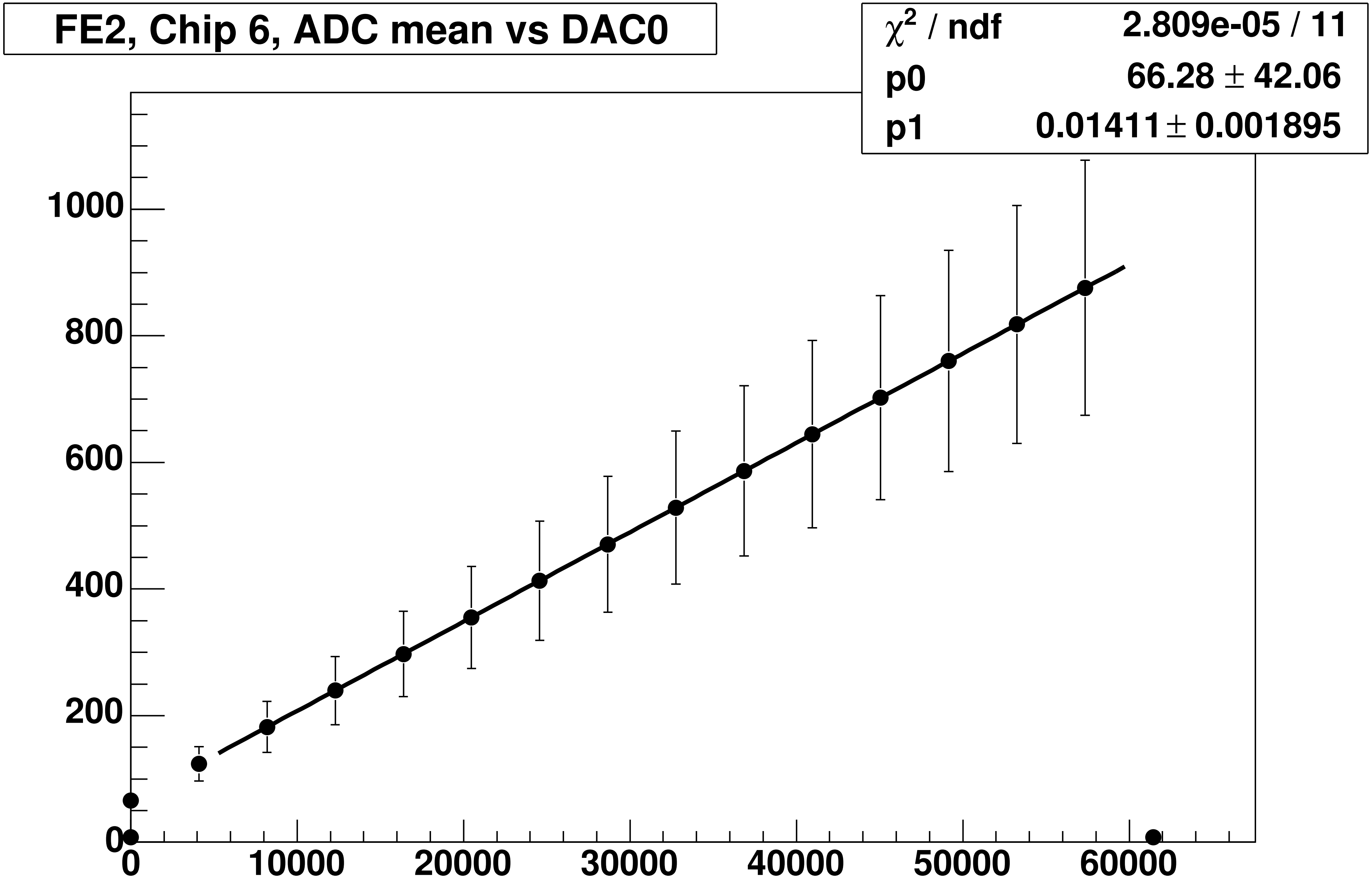


FE2, Chip 5, ADC mean vs DAC1
χ^2 / ndf 2.744e-05 / 11
p0 24.58 ± 31.13
p1 0.01412 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

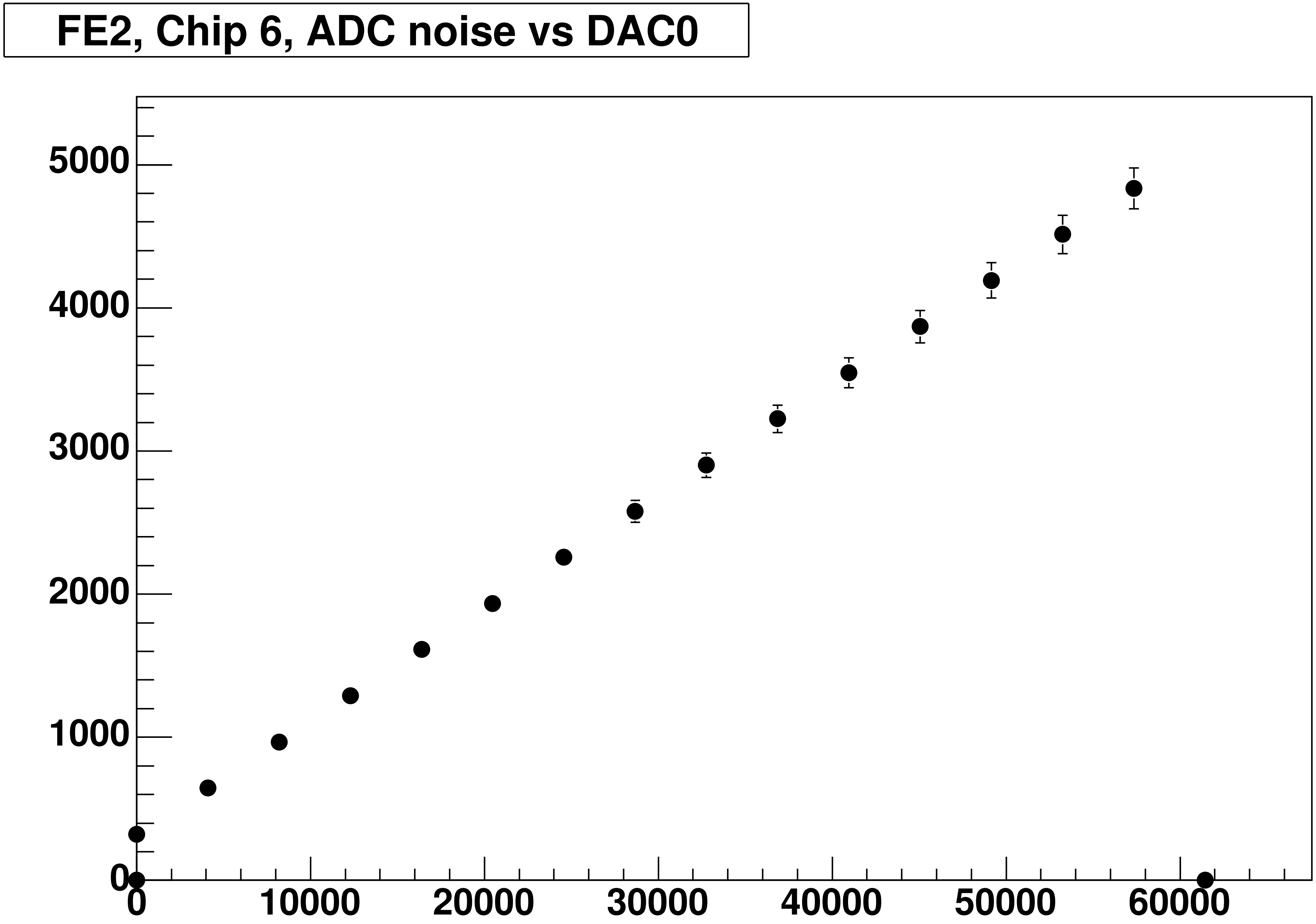


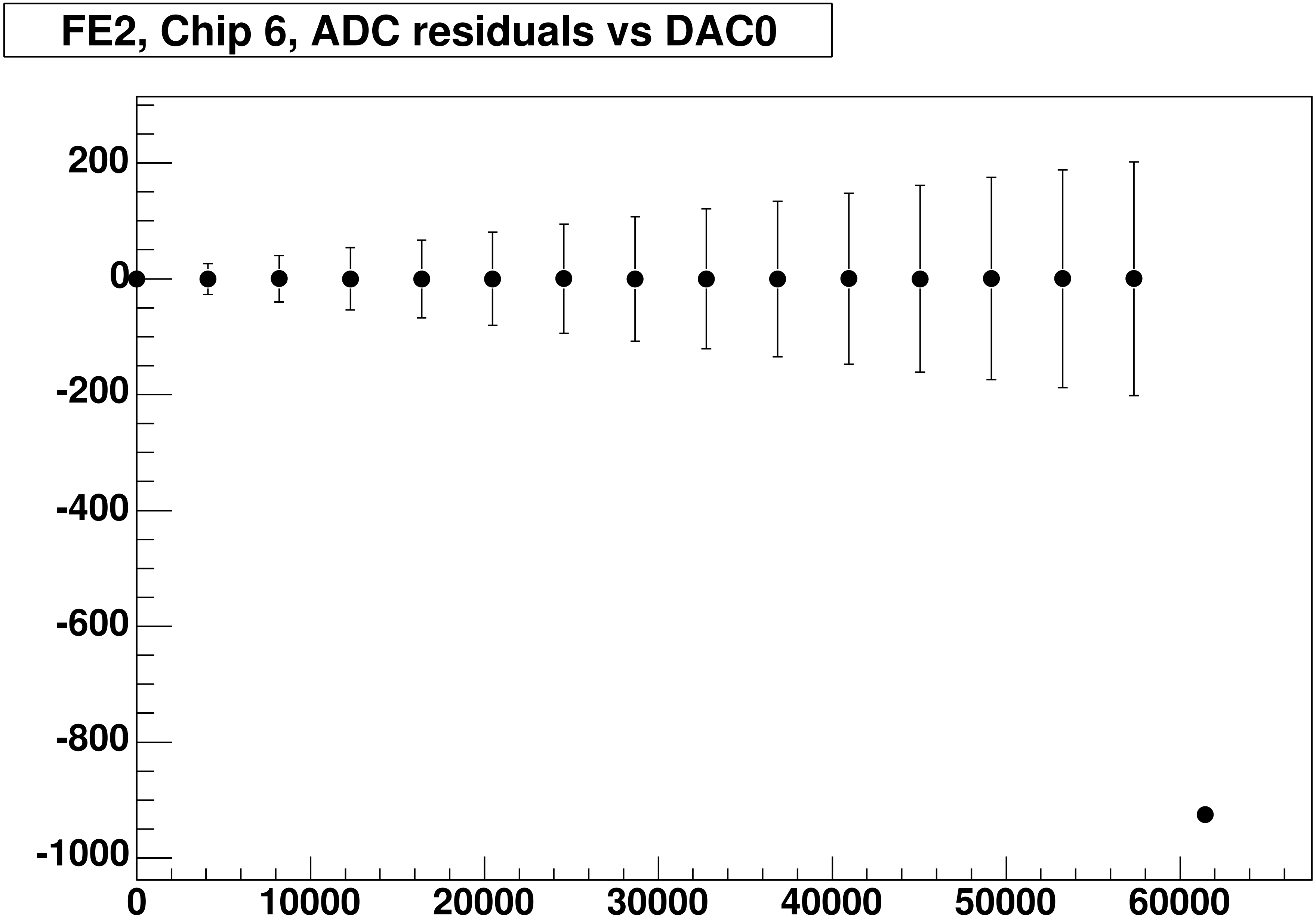
FE2, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

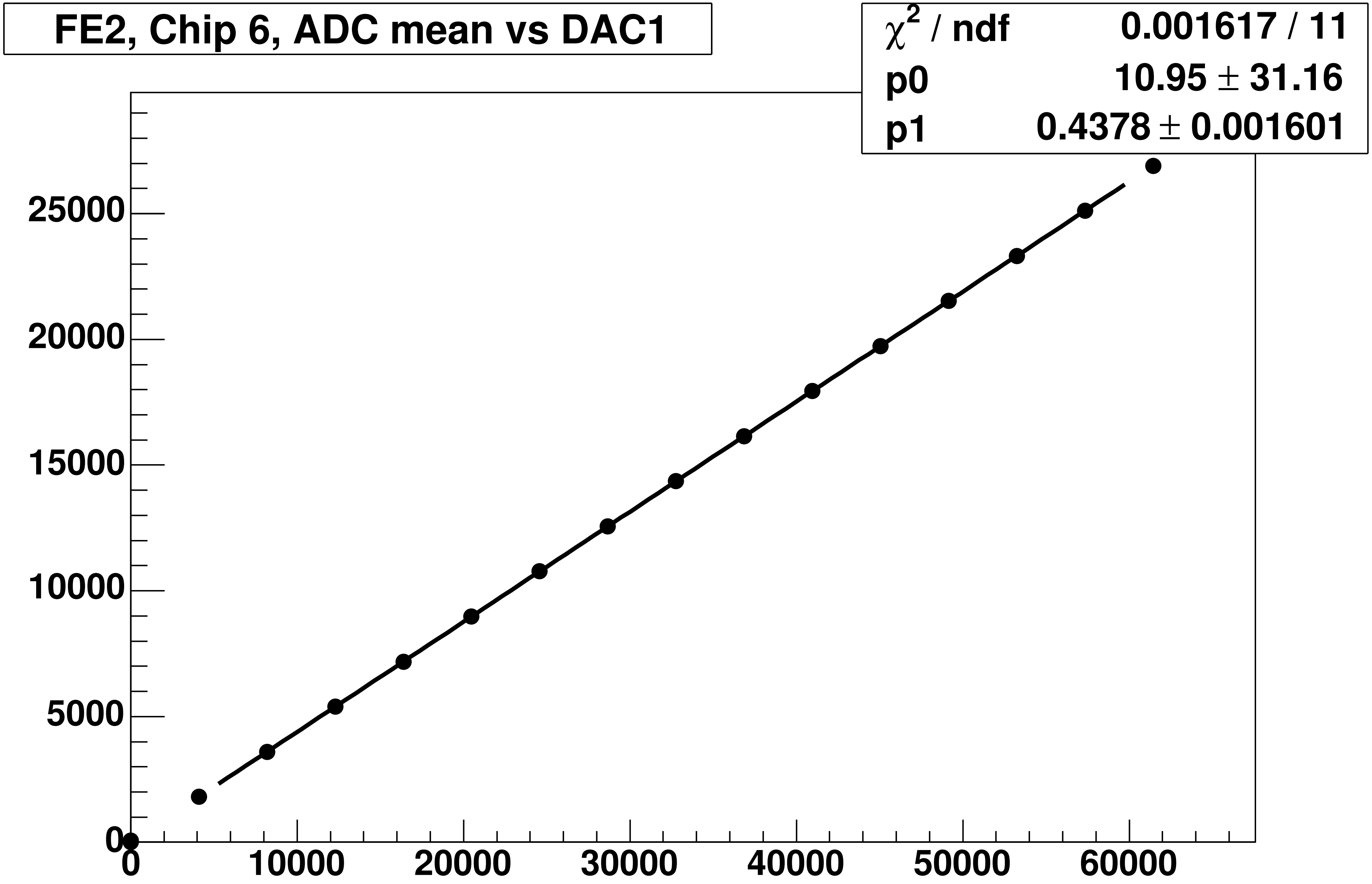

FE2, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

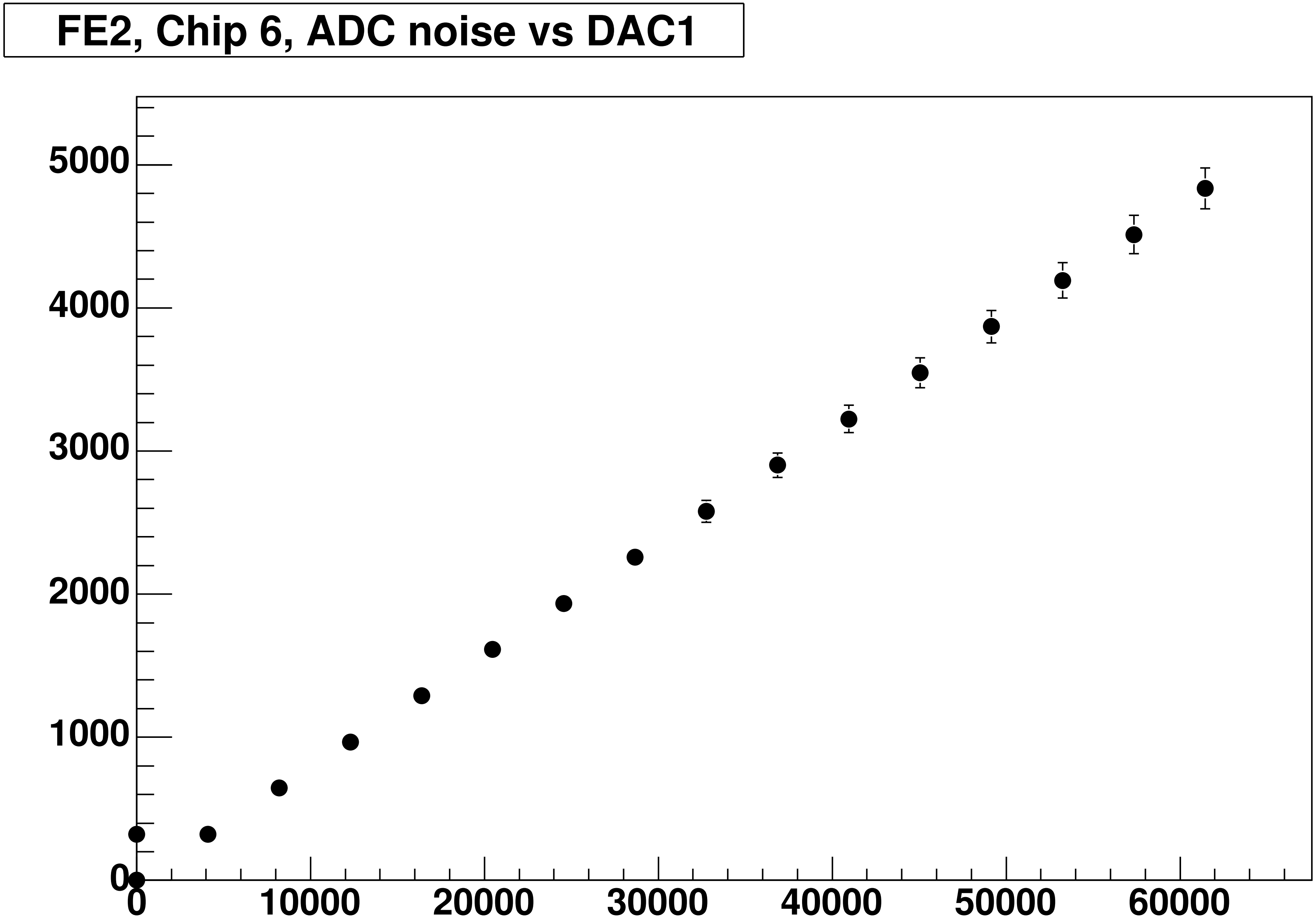


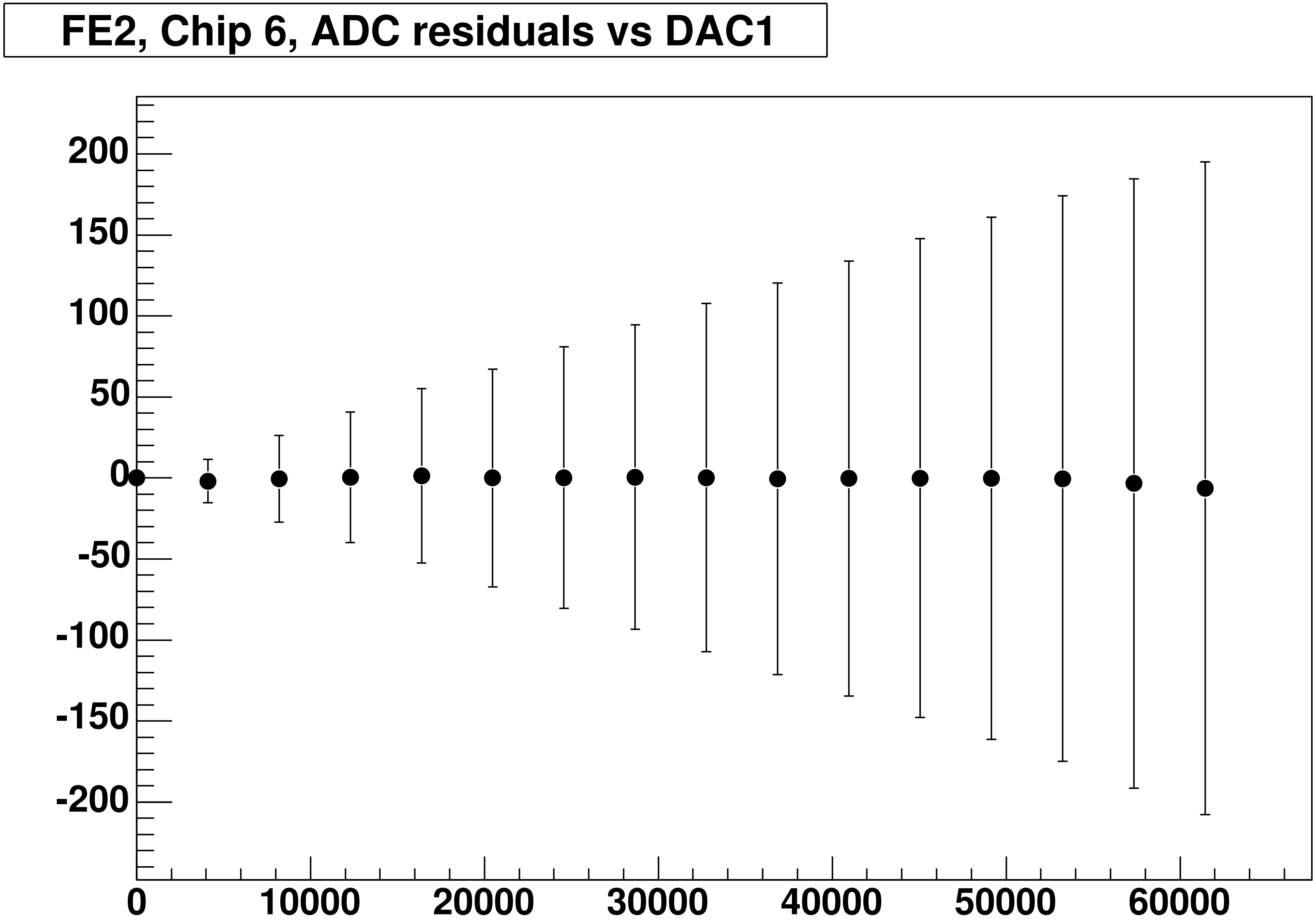
FE2, Chip 6, ADC mean vs DAC0
χ^2 / ndf 2.809e-05 / 11
p0 66.28 ± 42.06
p1 0.01411 ± 0.001895
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

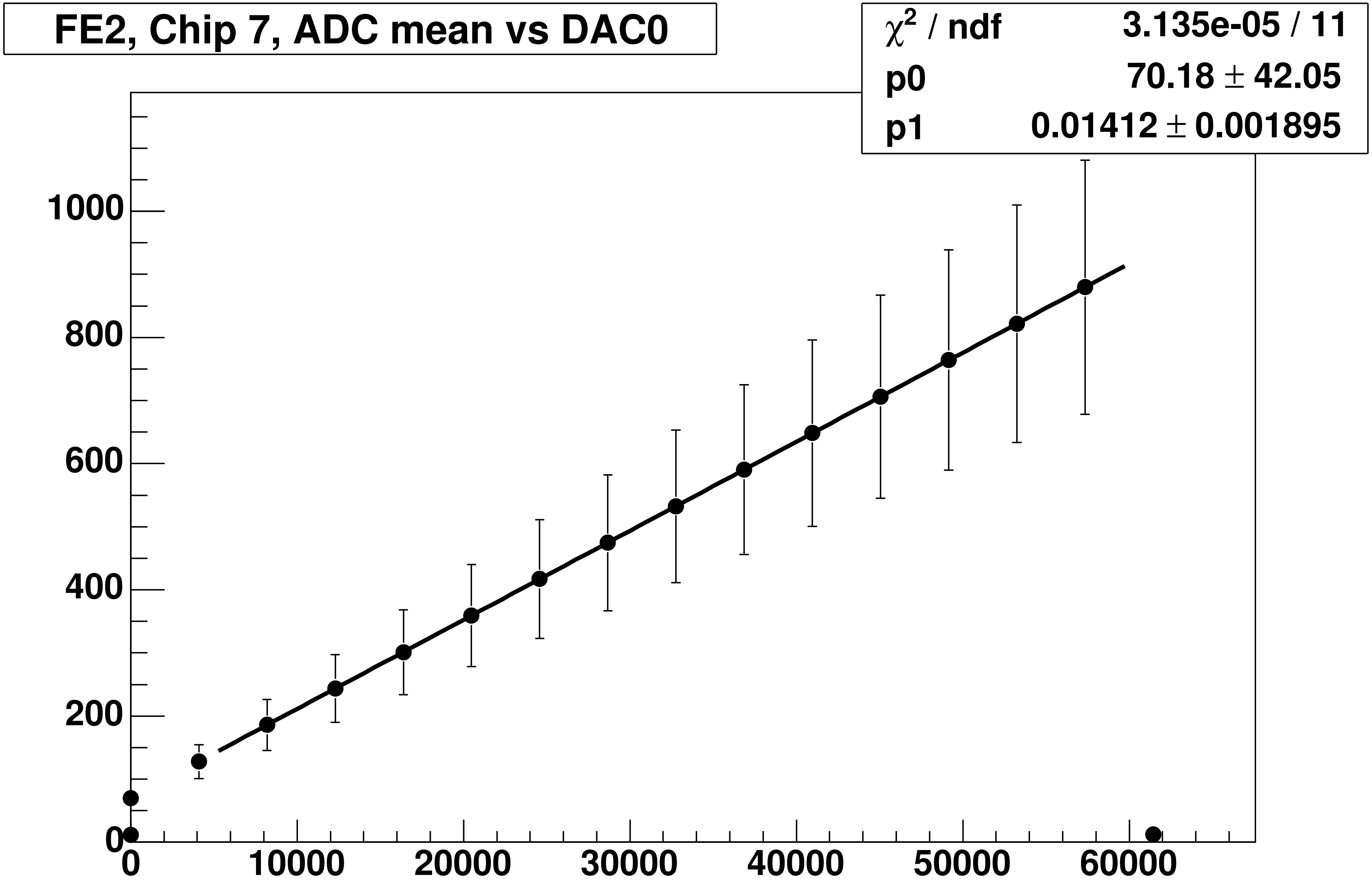

FE2, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

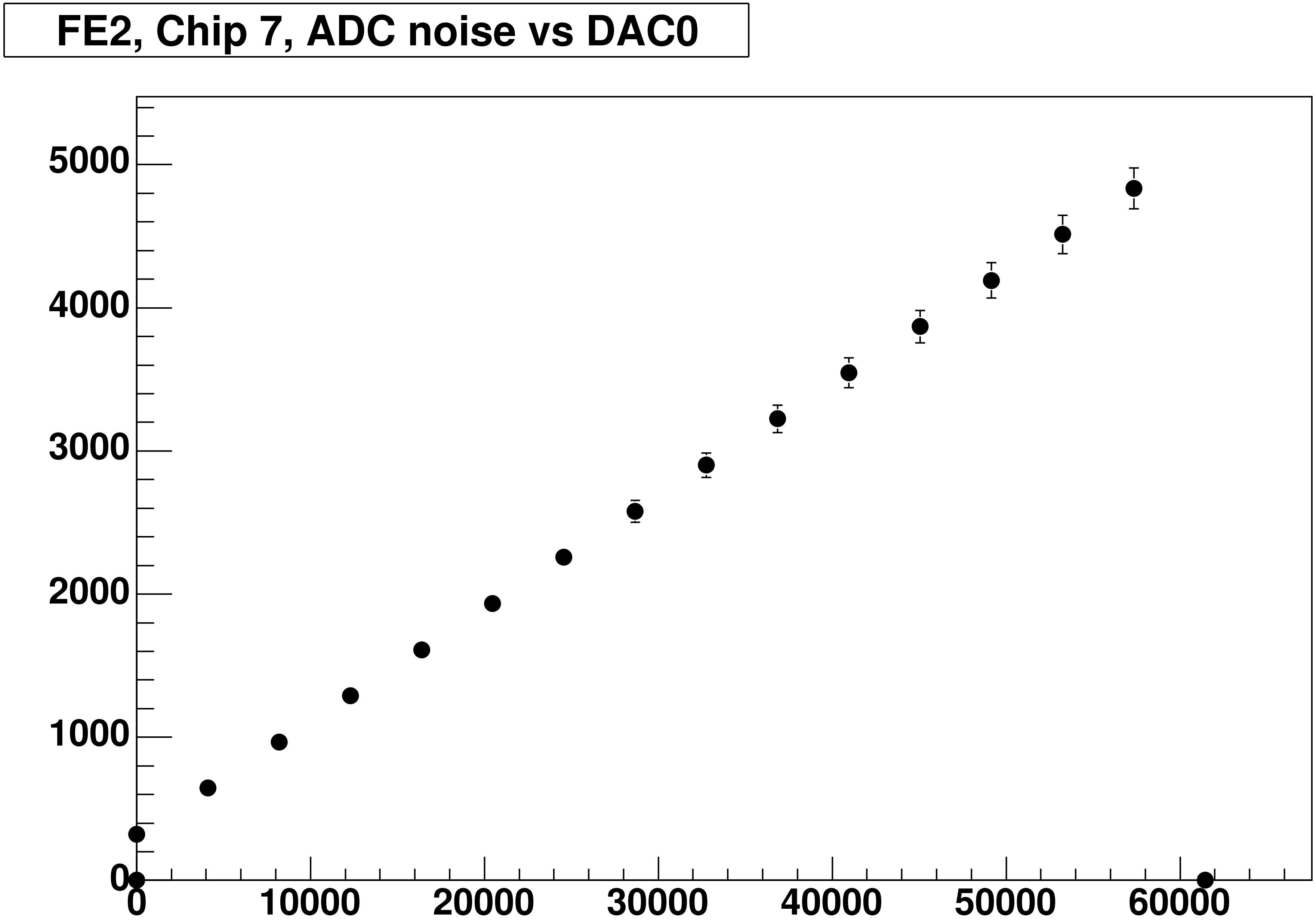

FE2, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001617 / 11
p0 10.95 ± 31.16
p1 0.4378 ± 0.001601
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

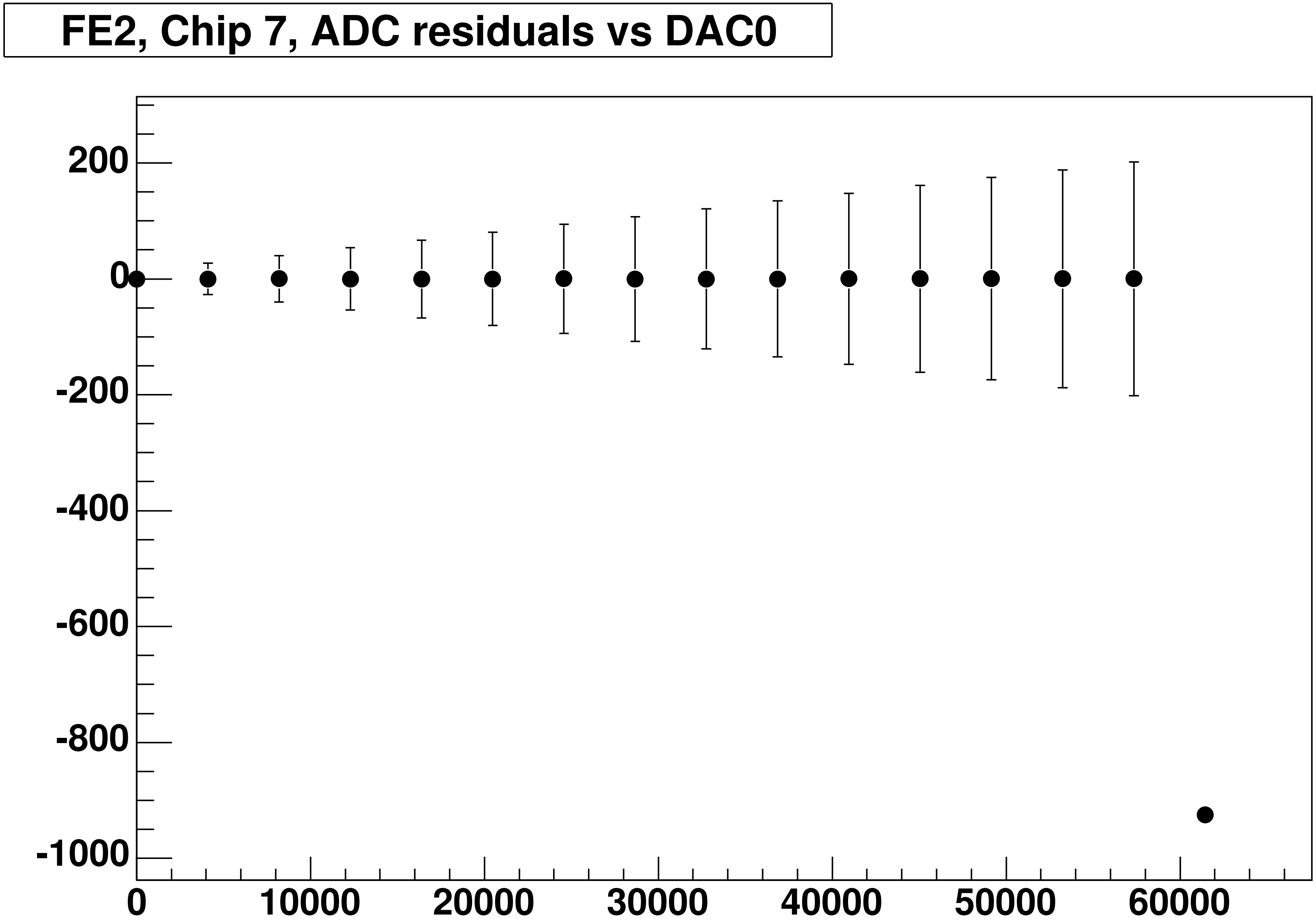

FE2, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

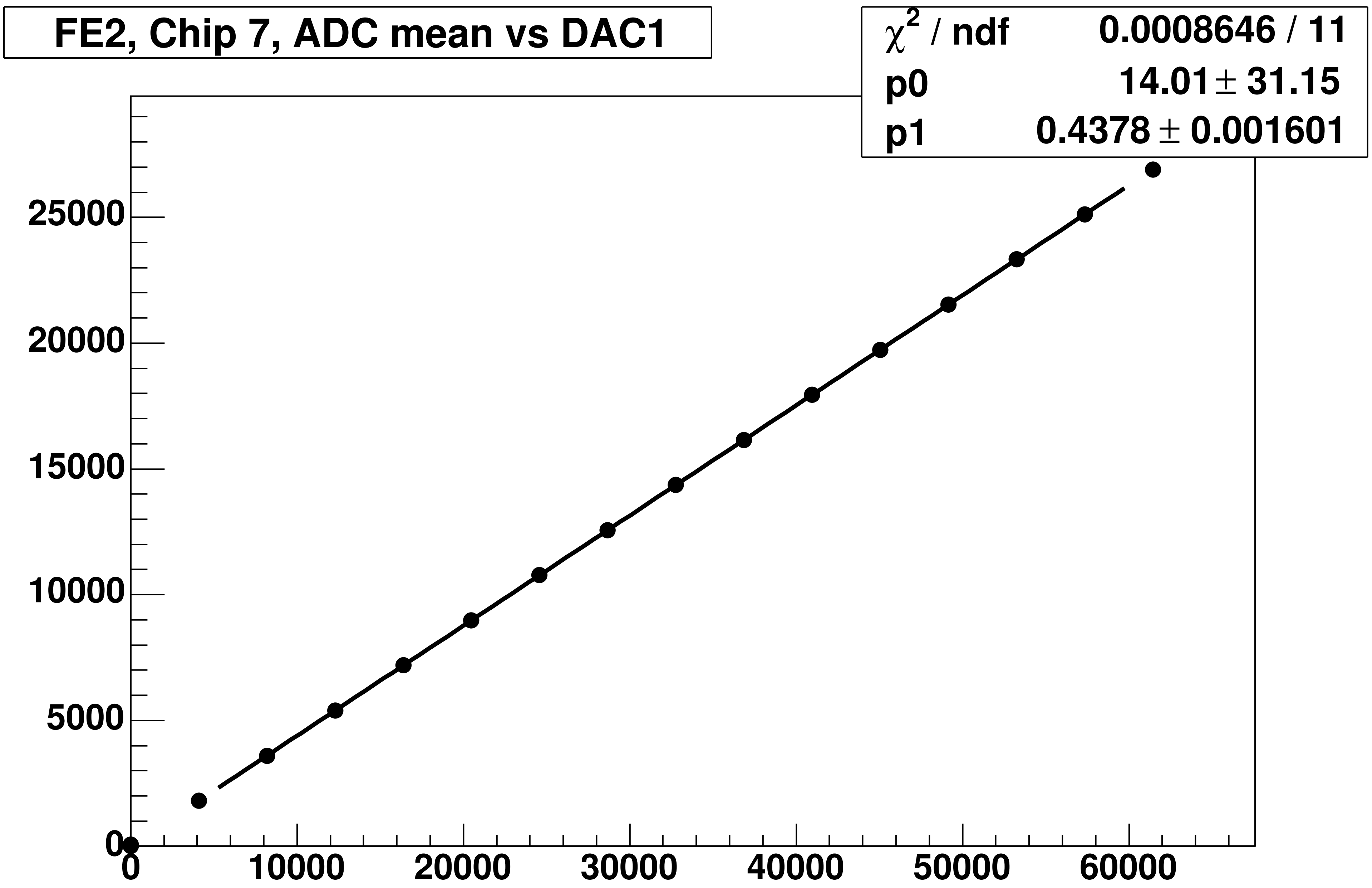

FE2, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



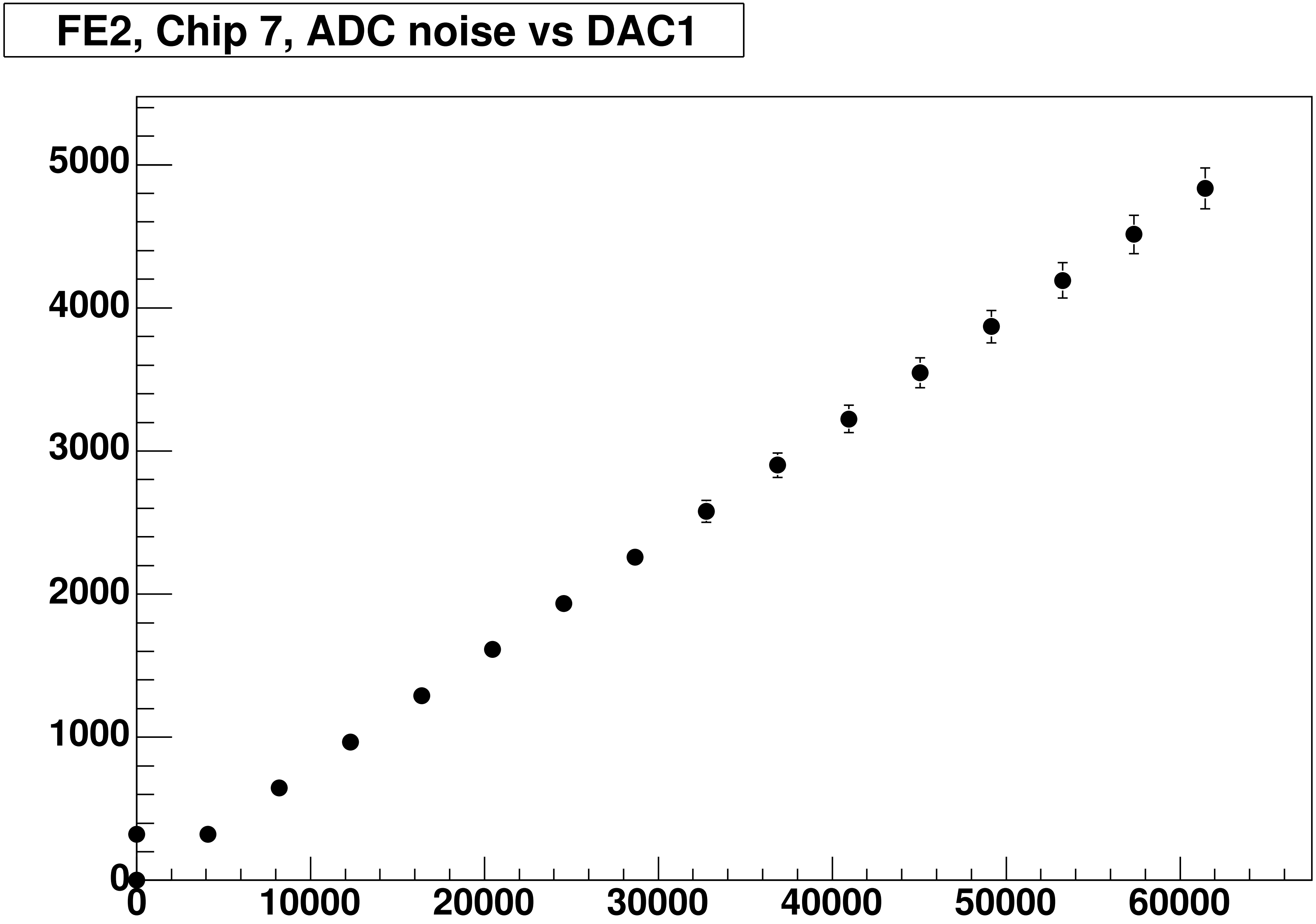
FE2, Chip 7, ADC mean vs DAC0
χ^2 / ndf 3.135e-05 / 11
p0 70.18 ± 42.05
p1 0.01412 ± 0.001895
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

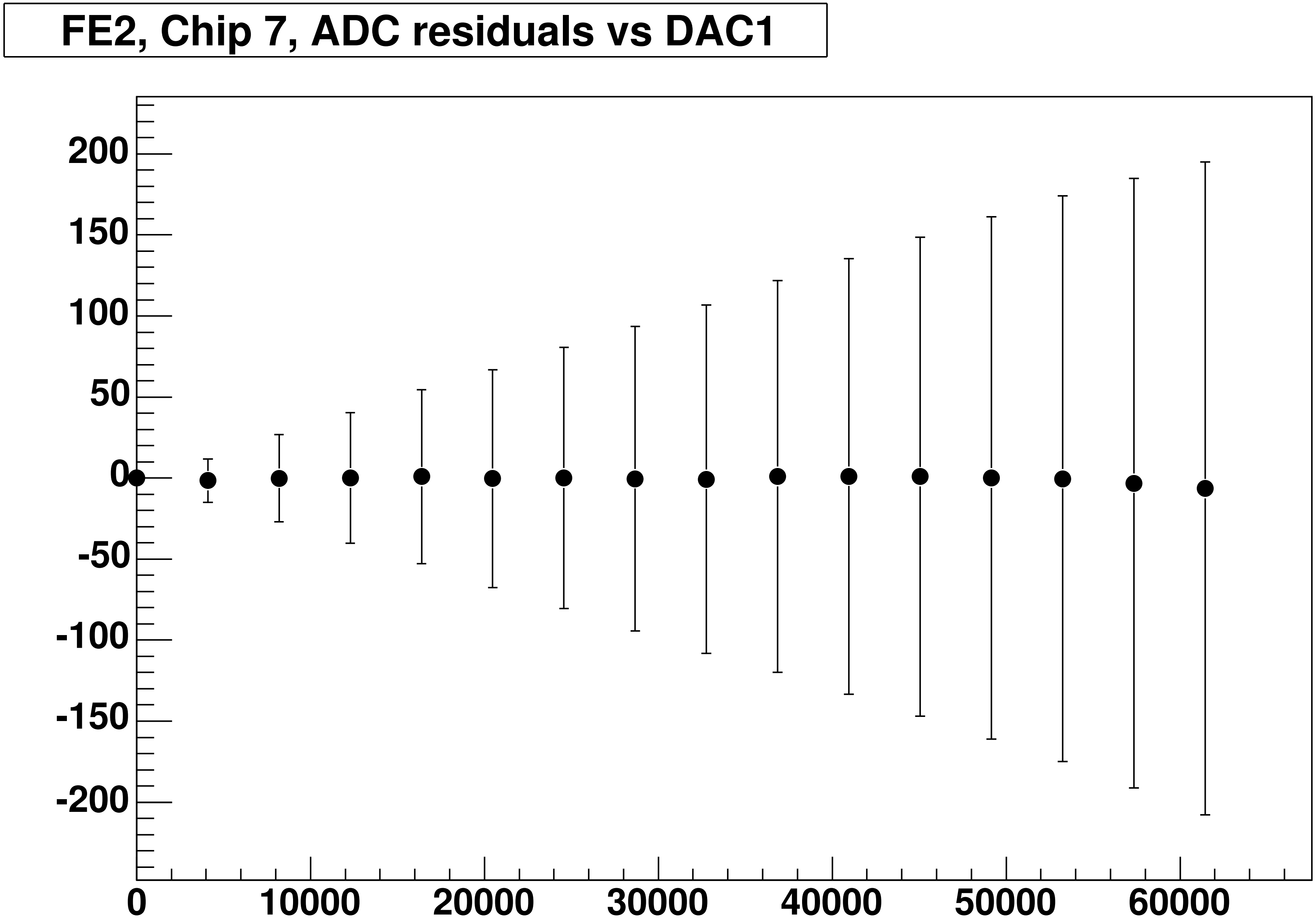

FE2, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

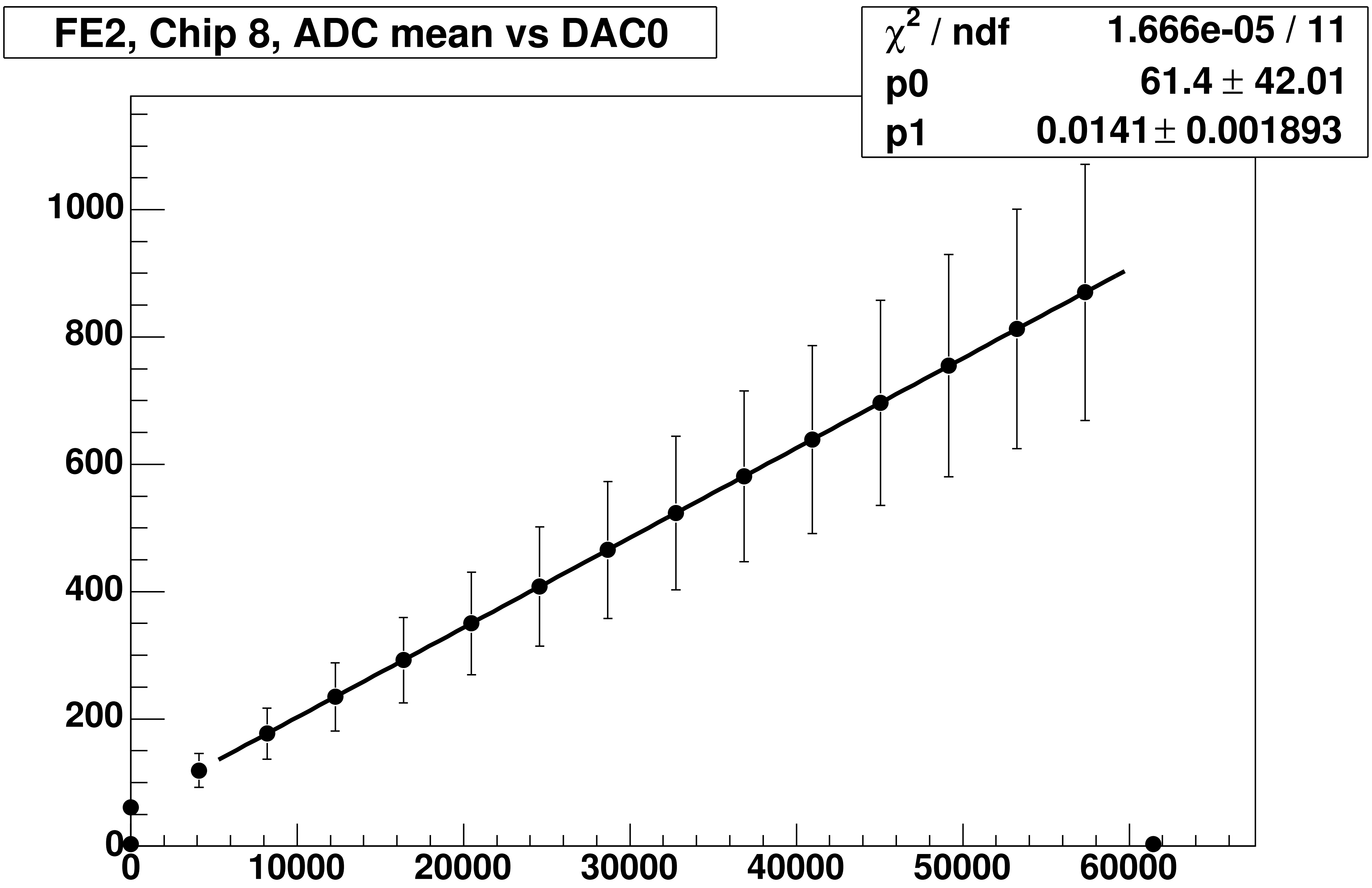


FE2, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.0008646 / 11
p0 14.01 ± 31.15
p1 0.4378 ± 0.001601
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

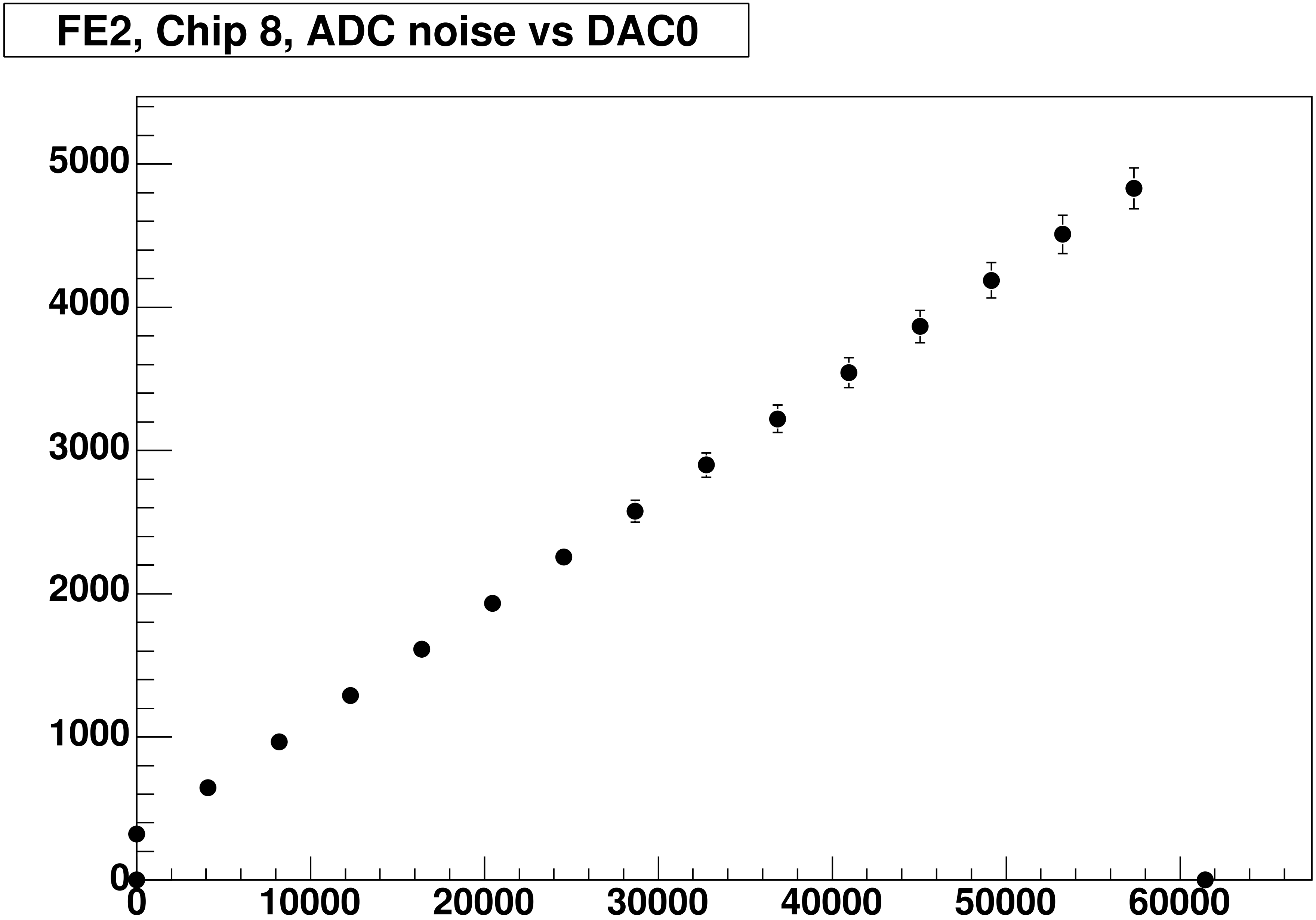

FE2, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



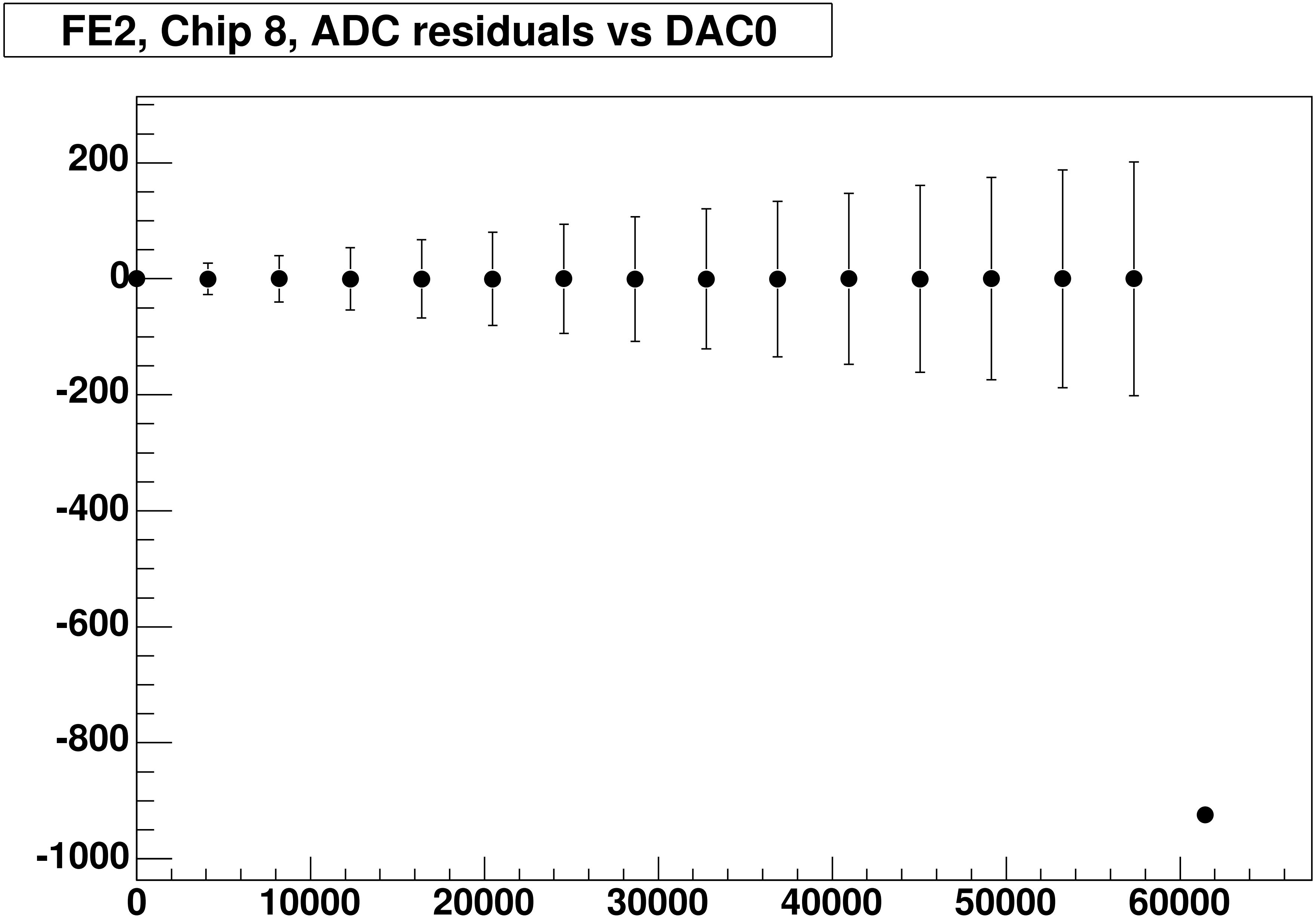
FE2, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

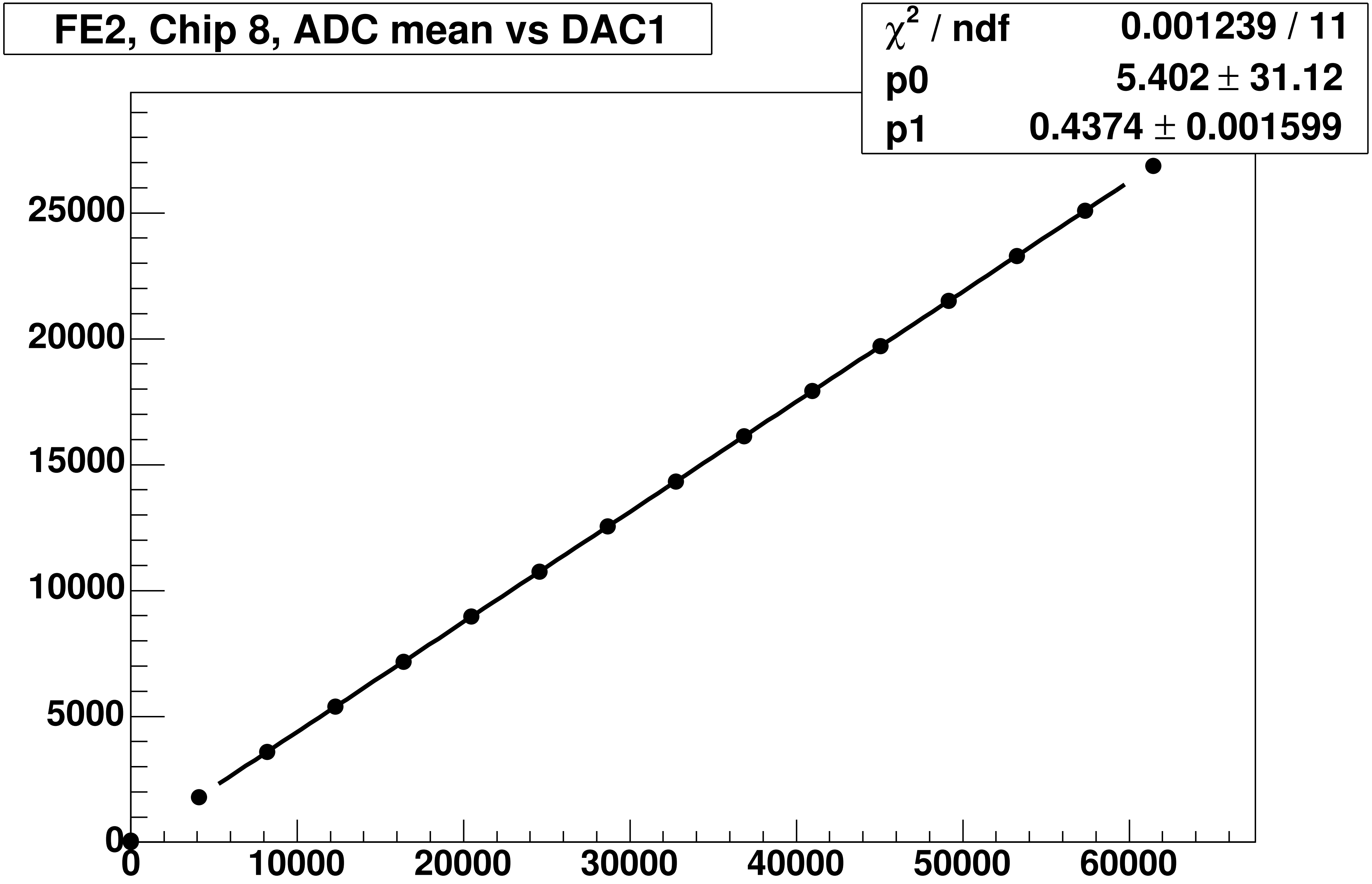


FE2, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.666e-05 / 11
p0 61.4 ± 42.01
p1 0.0141 ± 0.001893
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

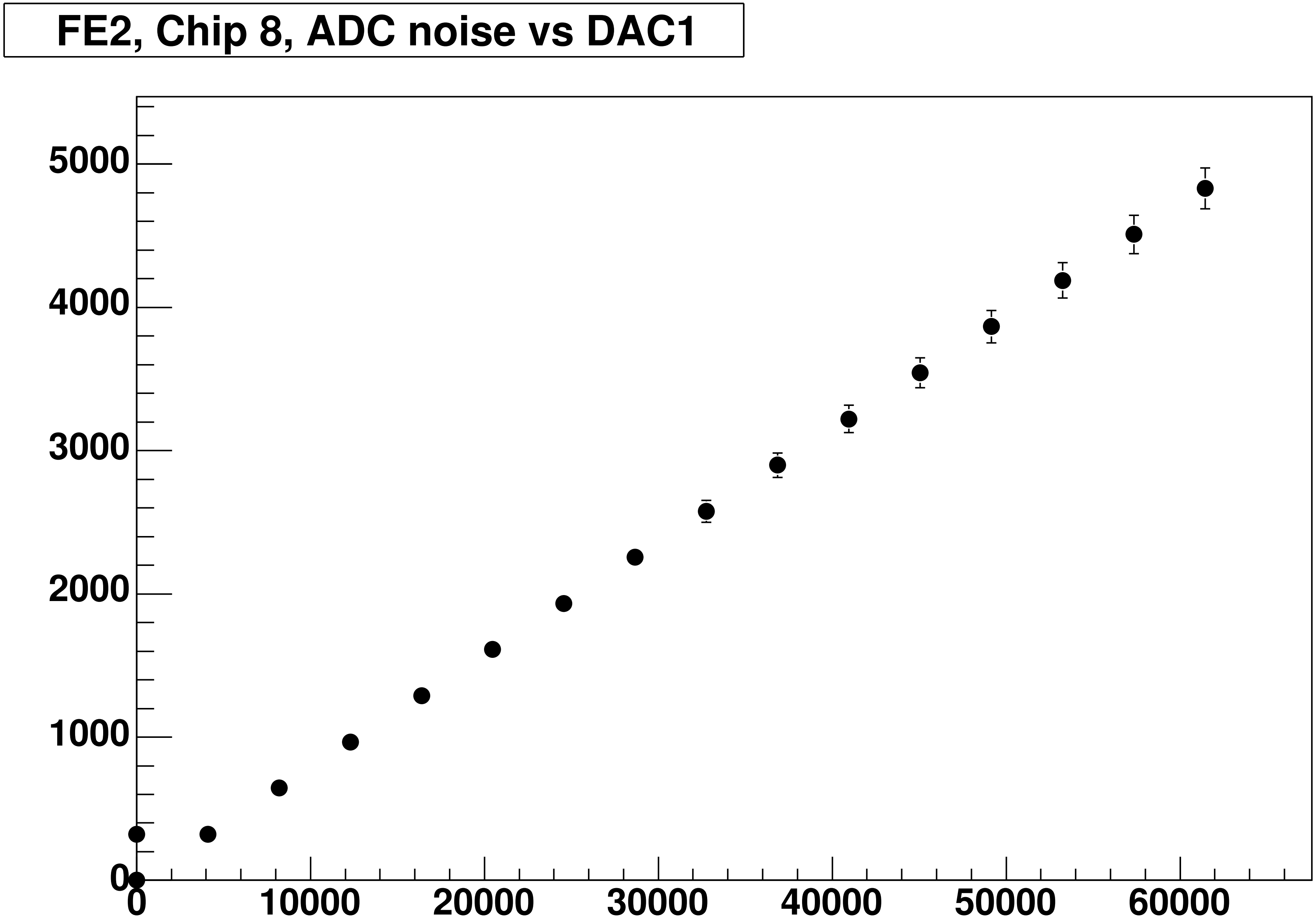


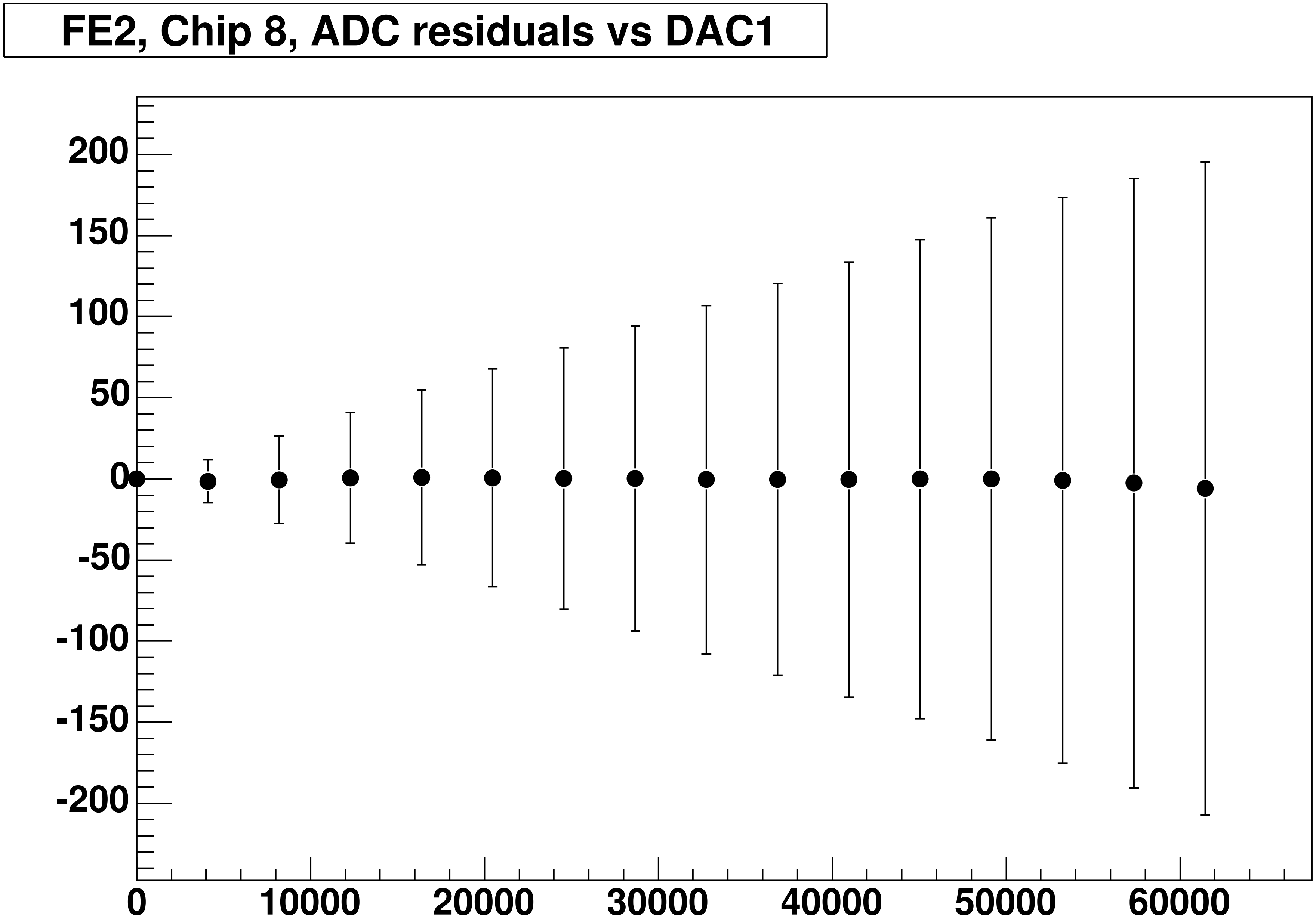
FE2, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

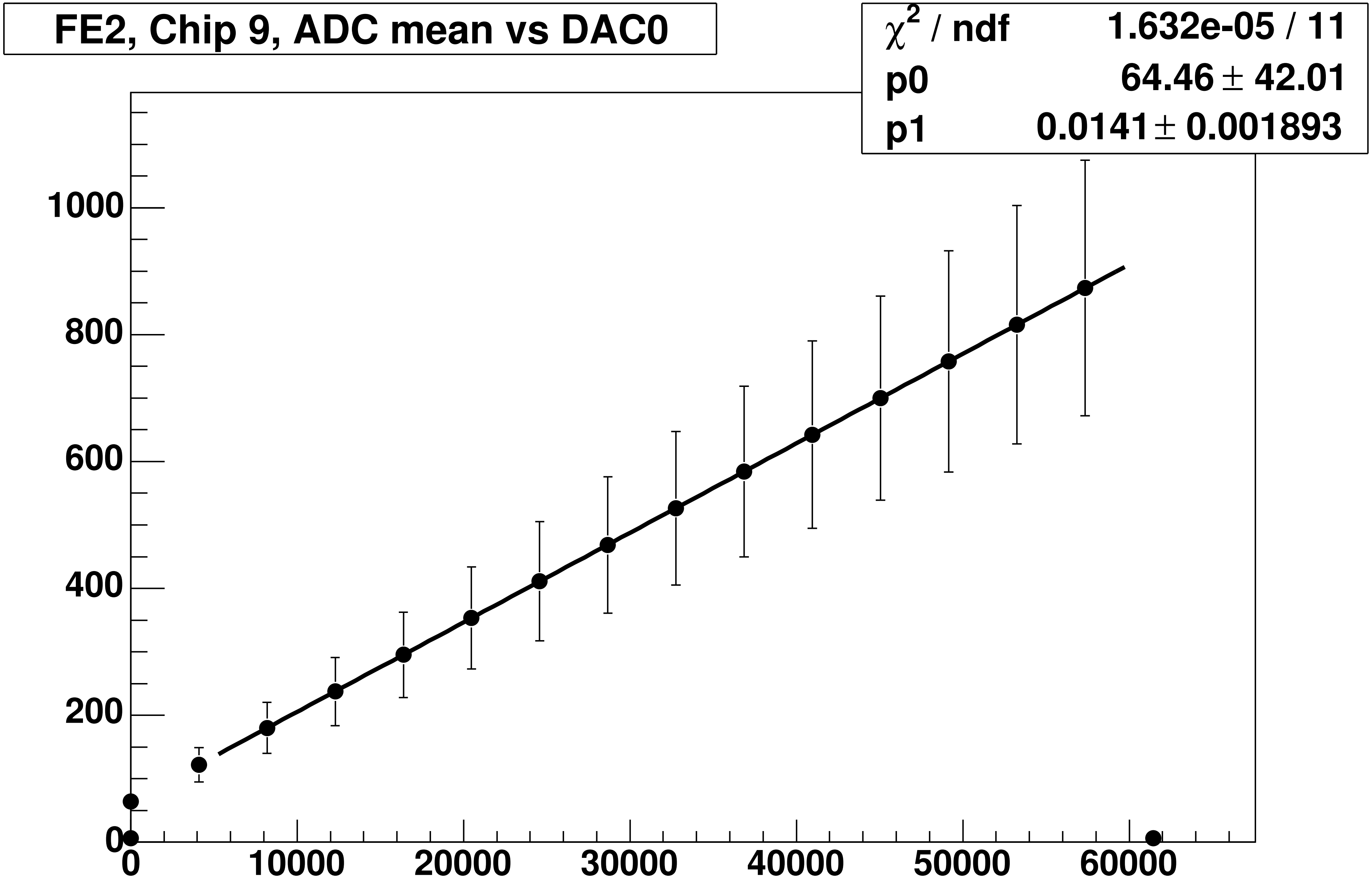

FE2, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



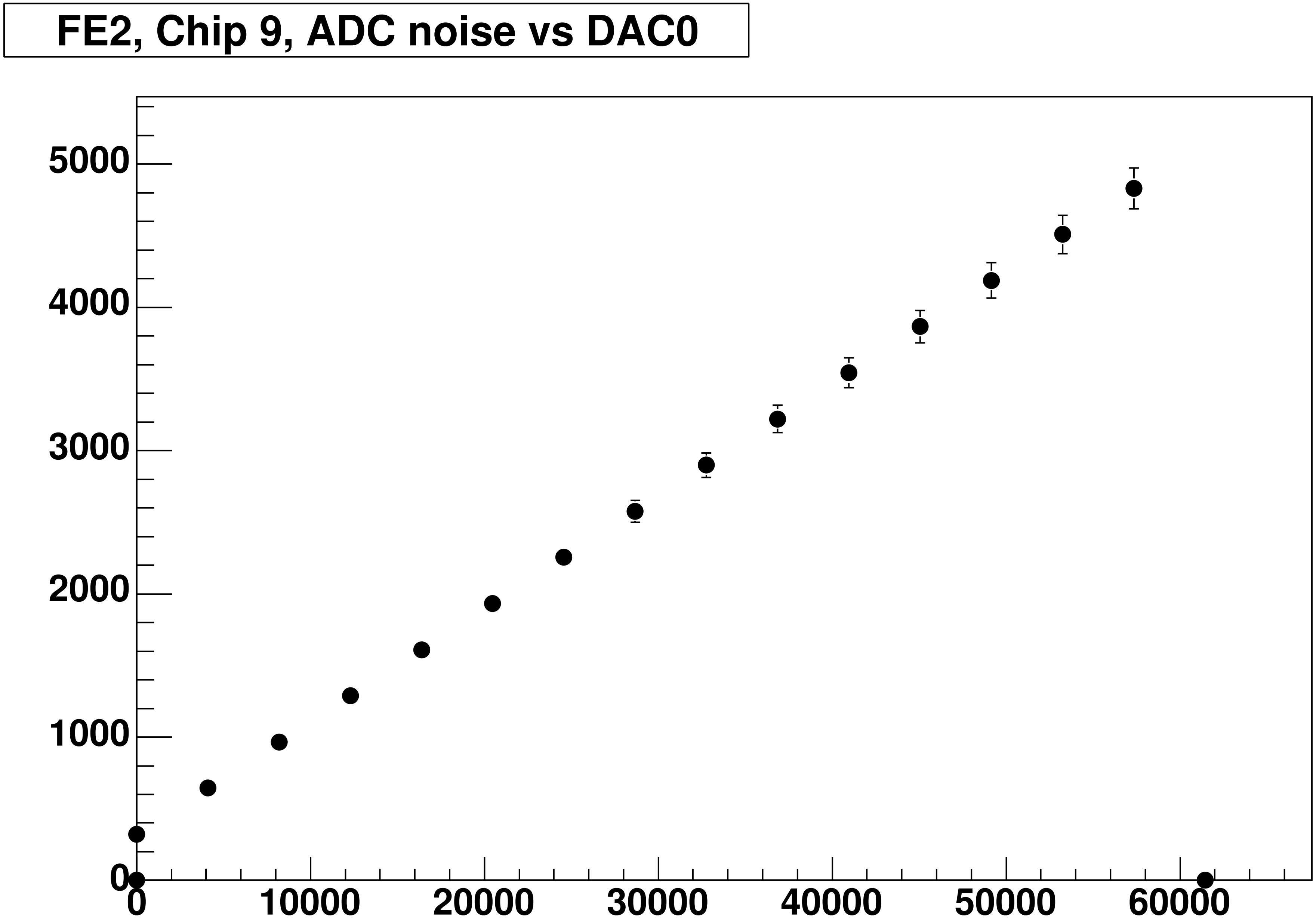
FE2, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001239 / 11
p0 5.402 ± 31.12
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

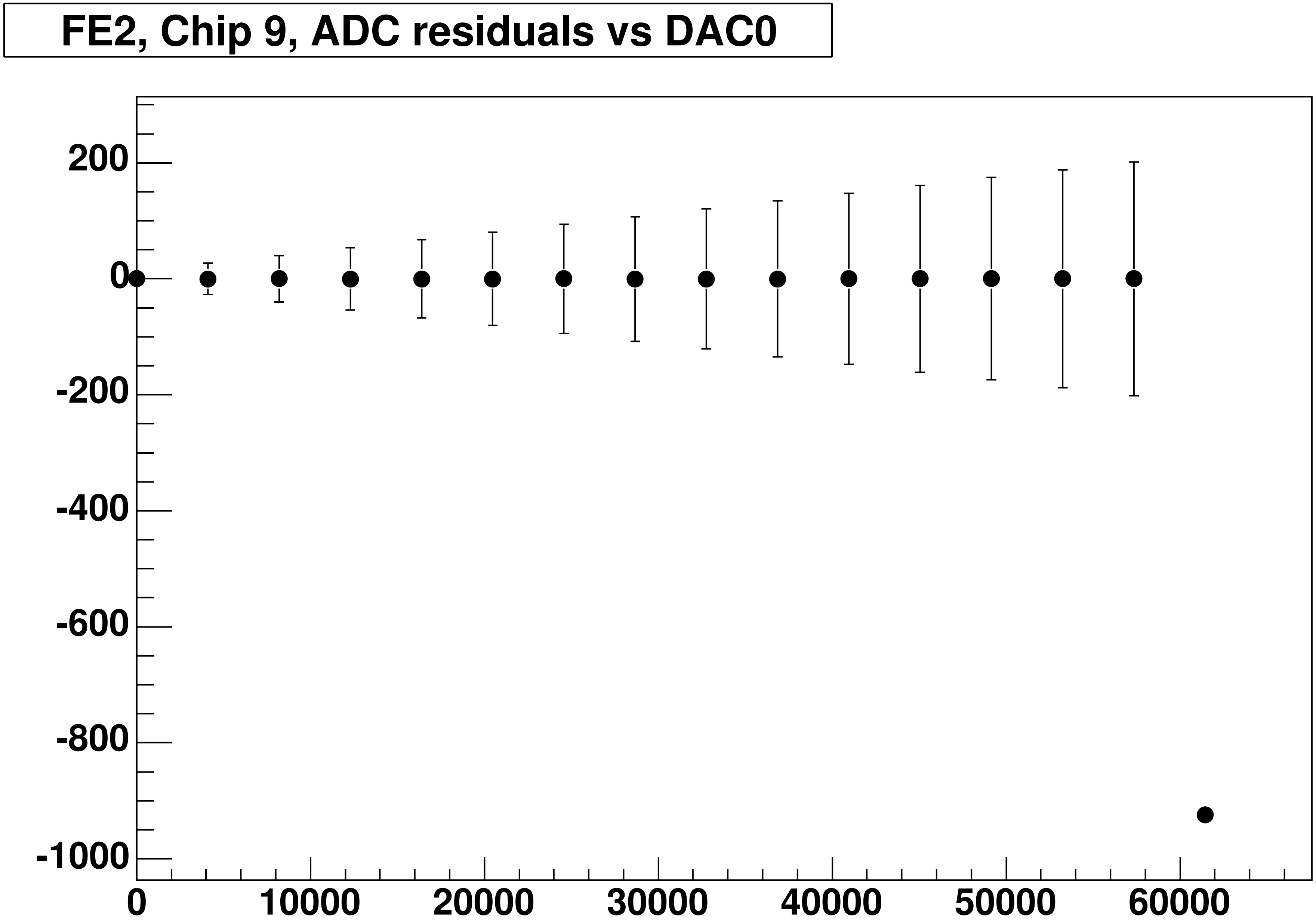

FE2, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

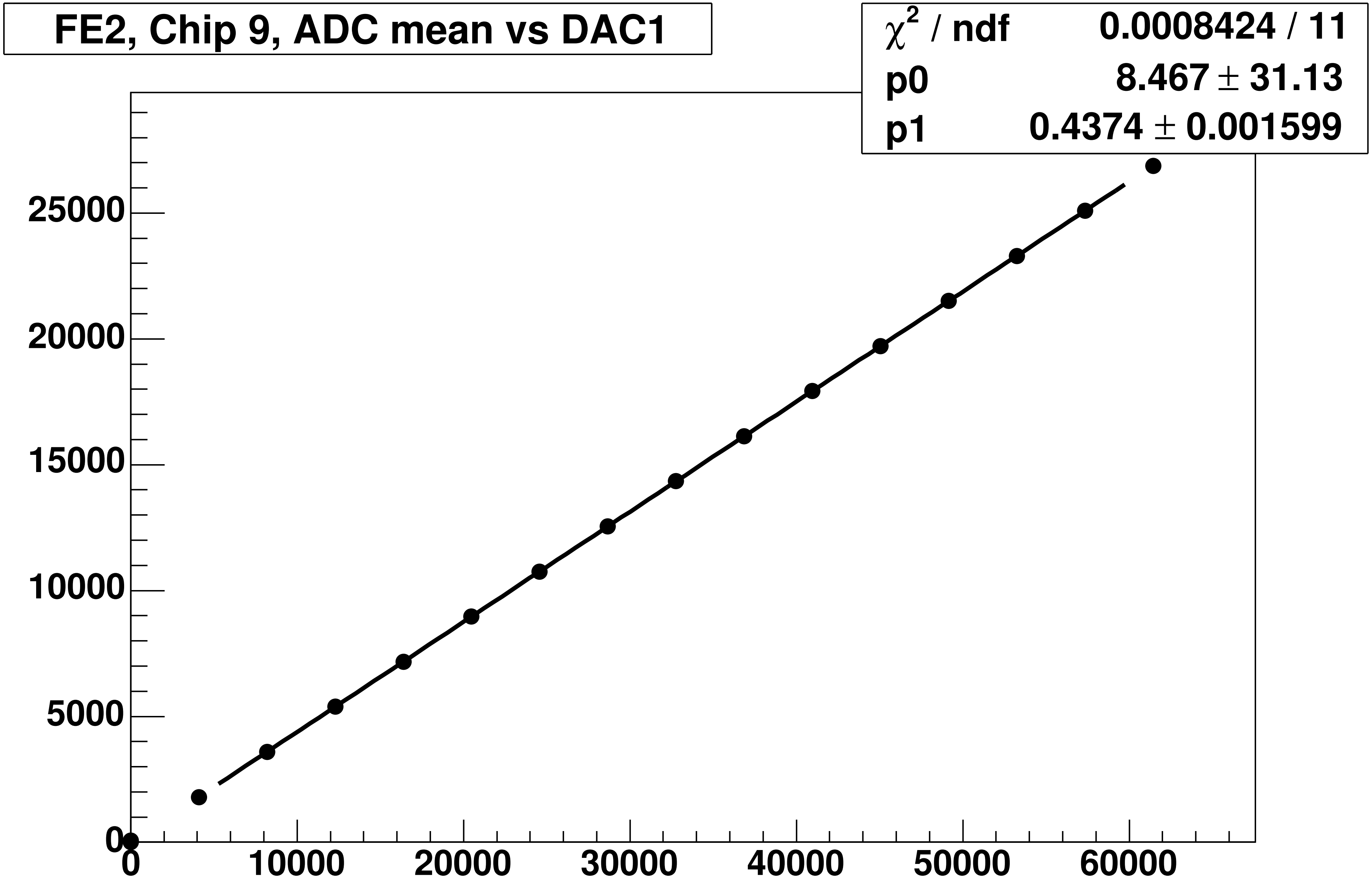

FE2, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



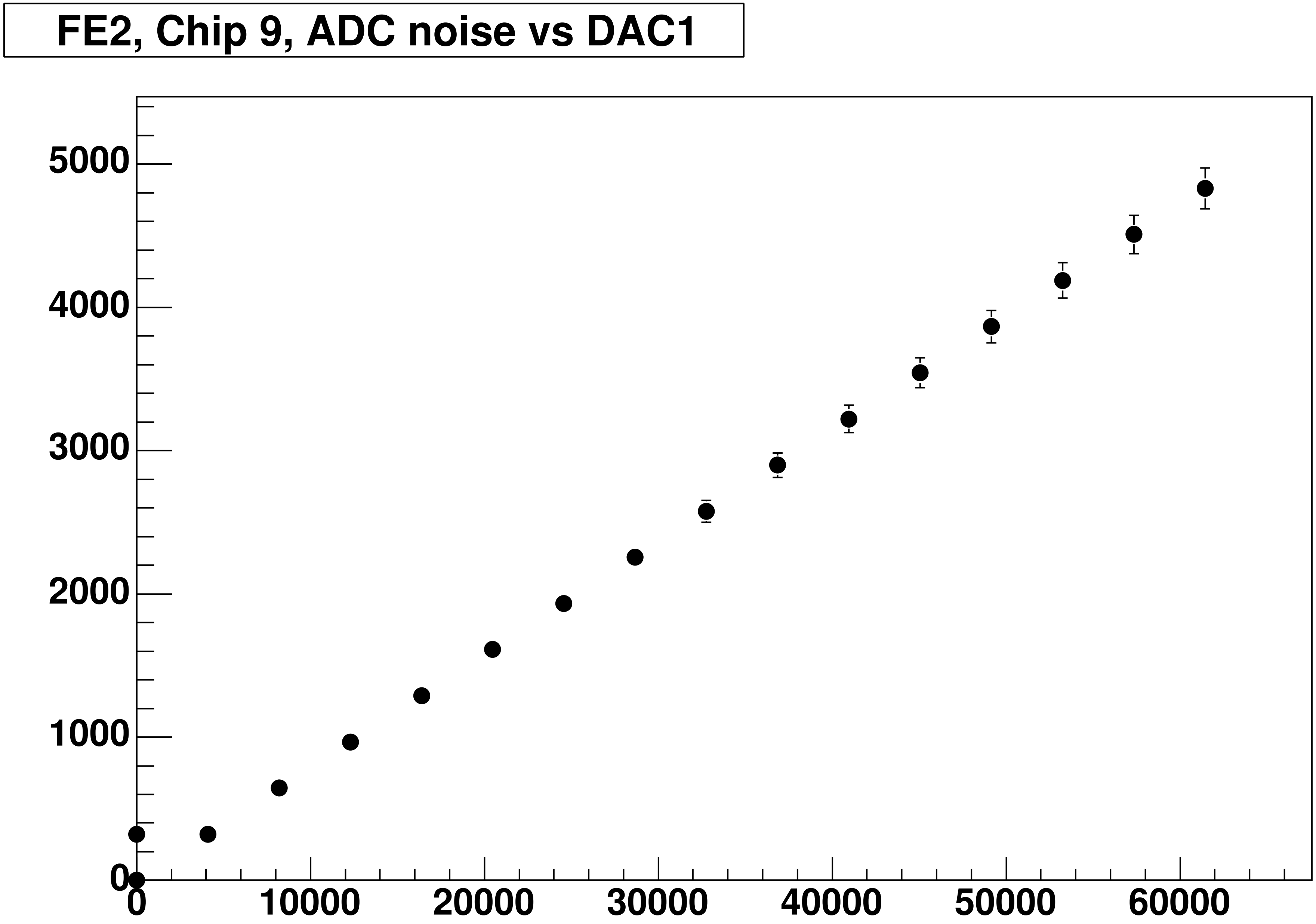
FE2, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.632e-05 / 11
p0 64.46 ± 42.01
p1 0.0141 ± 0.001893
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

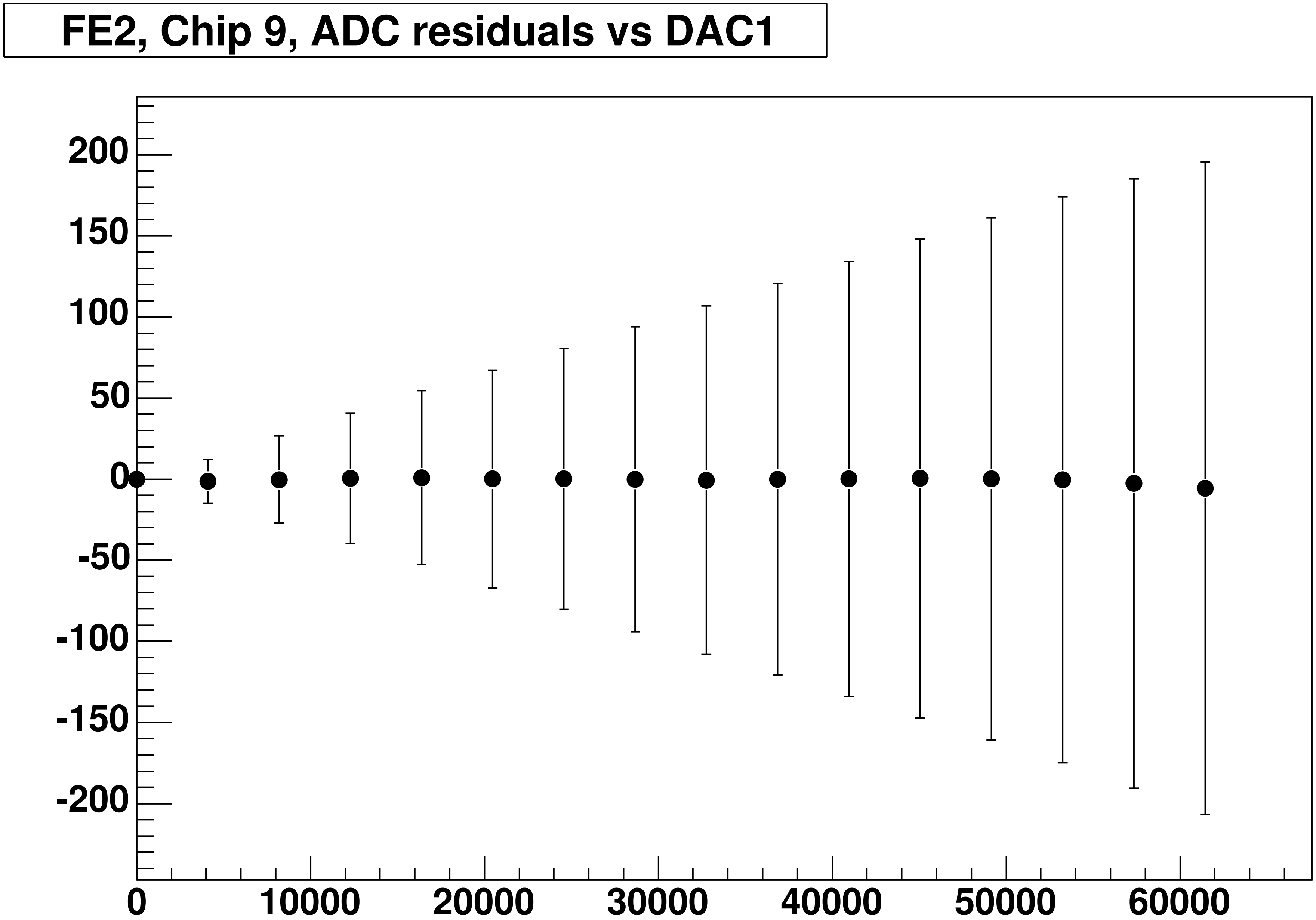

FE2, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

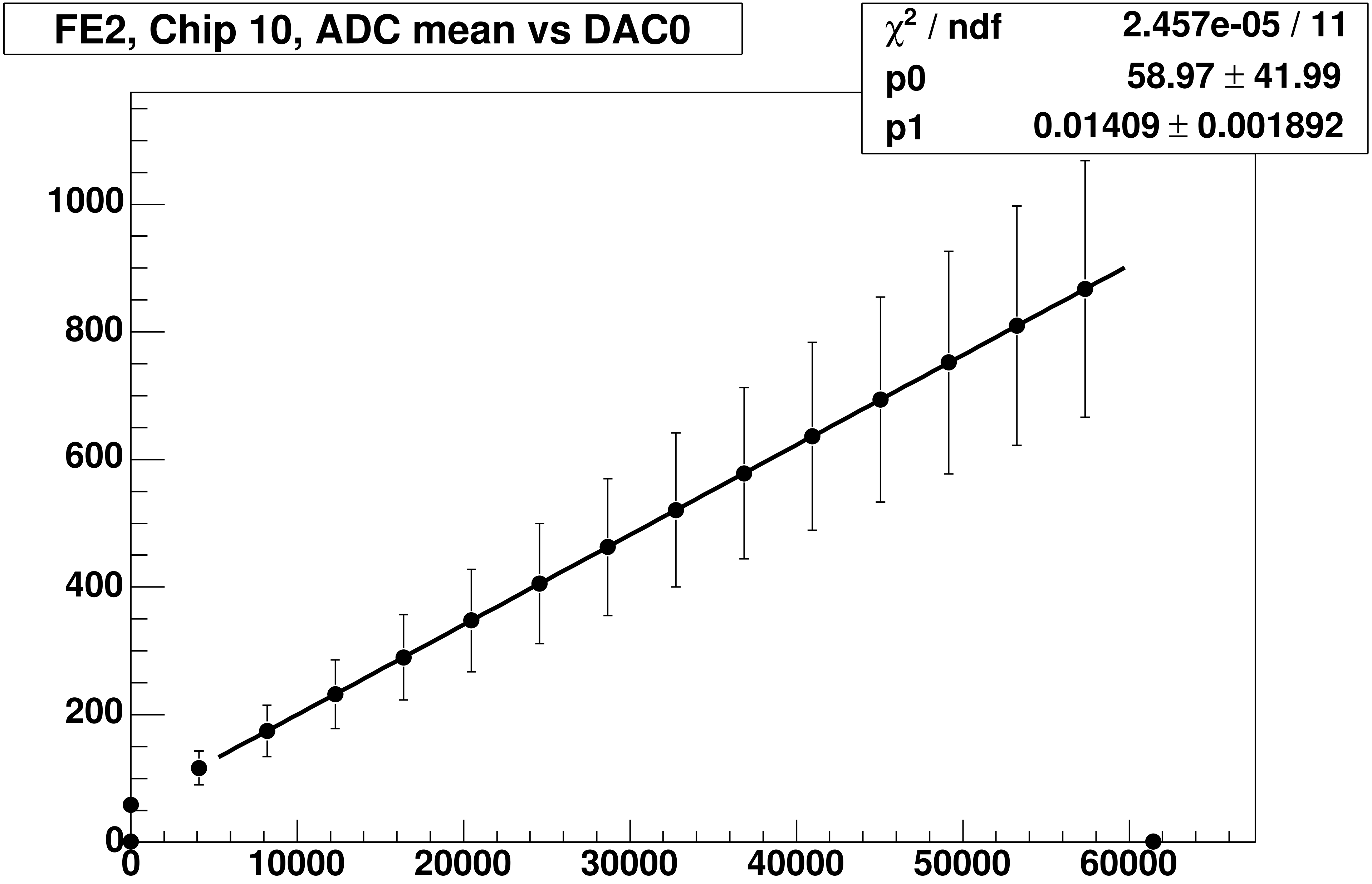


FE2, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0008424 / 11
p0 8.467 ± 31.13
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

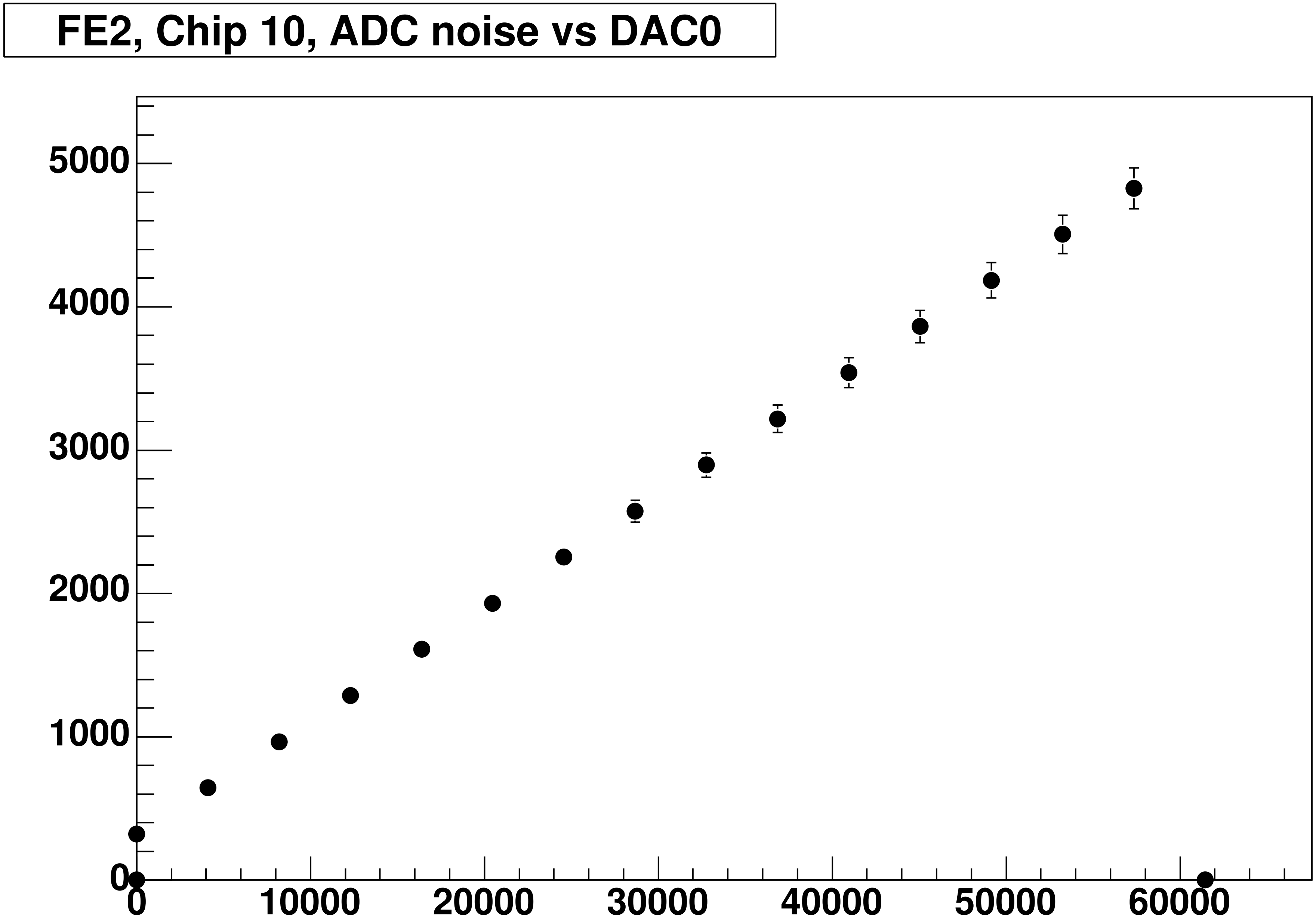


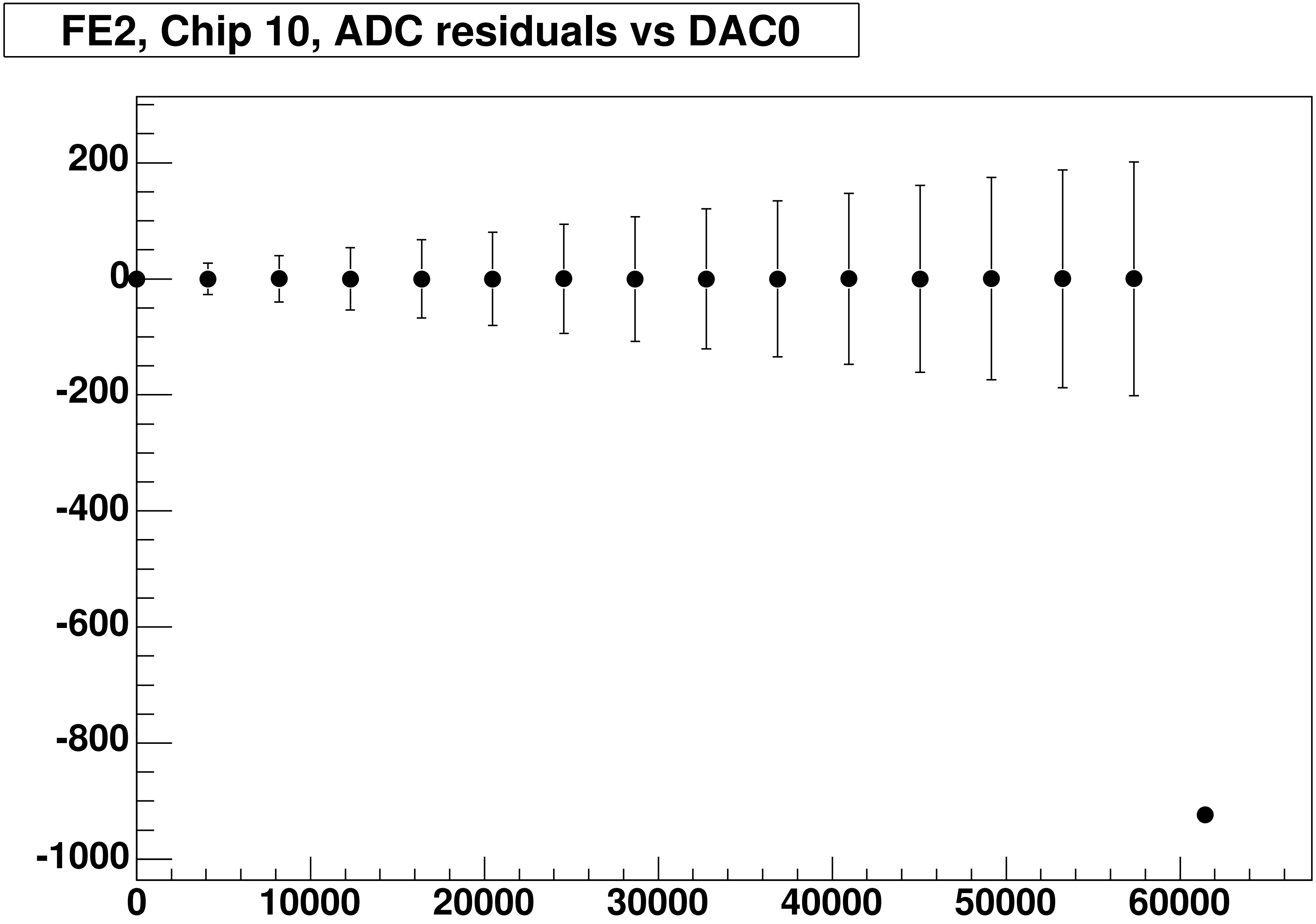
FE2, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

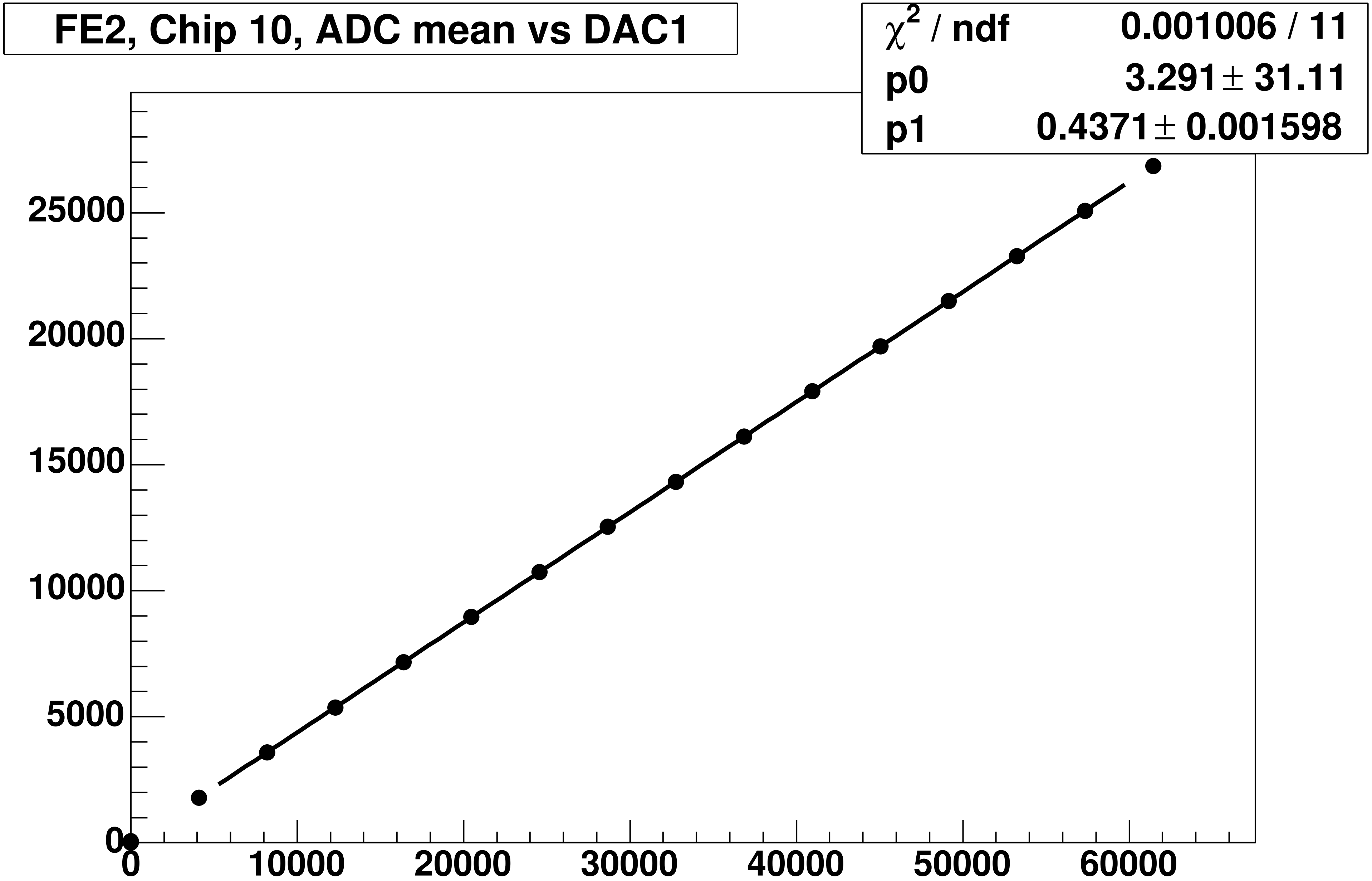

FE2, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



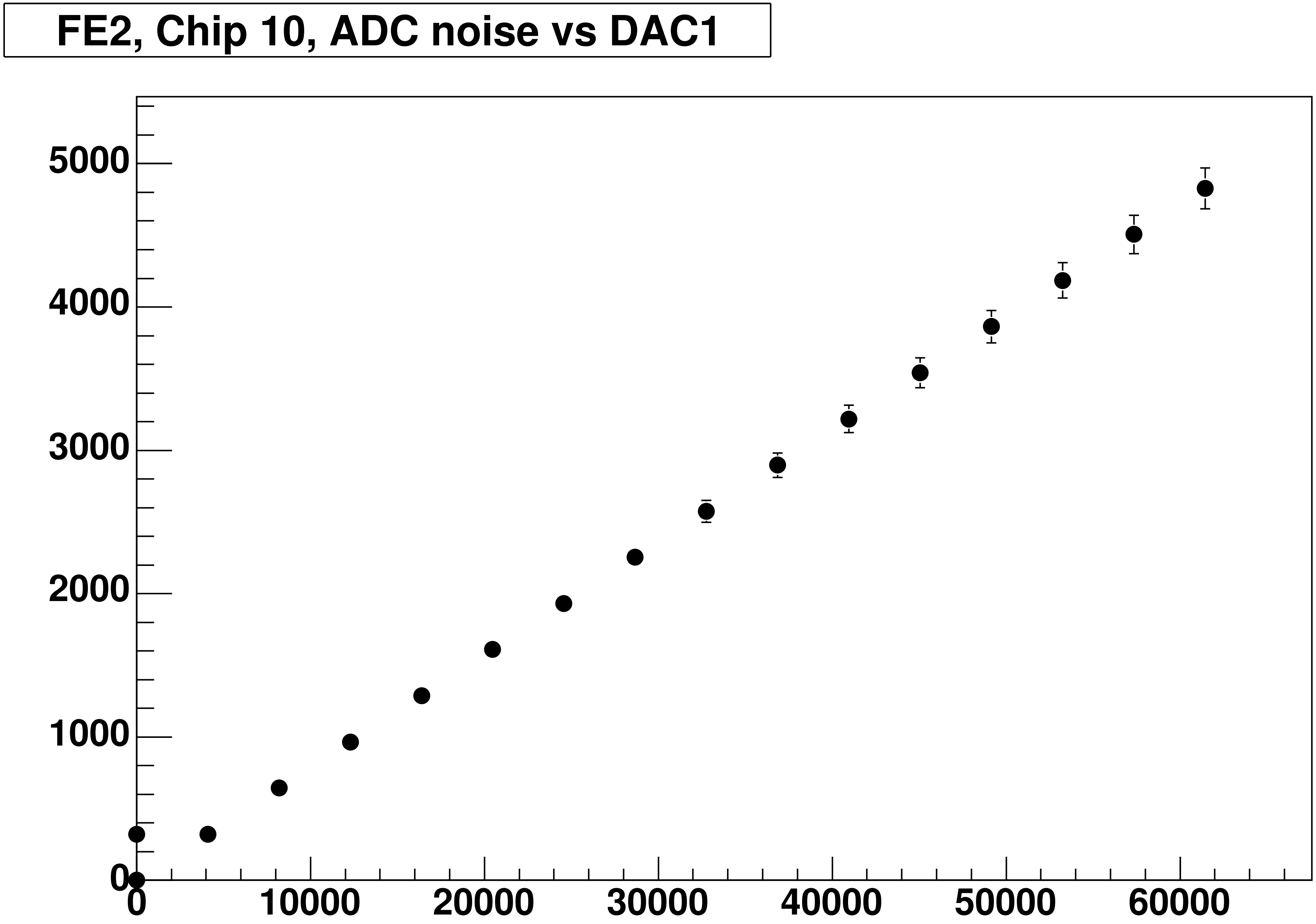
FE2, Chip 10, ADC mean vs DAC0
χ^2 / ndf 2.457e-05 / 11
p0 58.97 ± 41.99
p1 0.01409 ± 0.001892
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

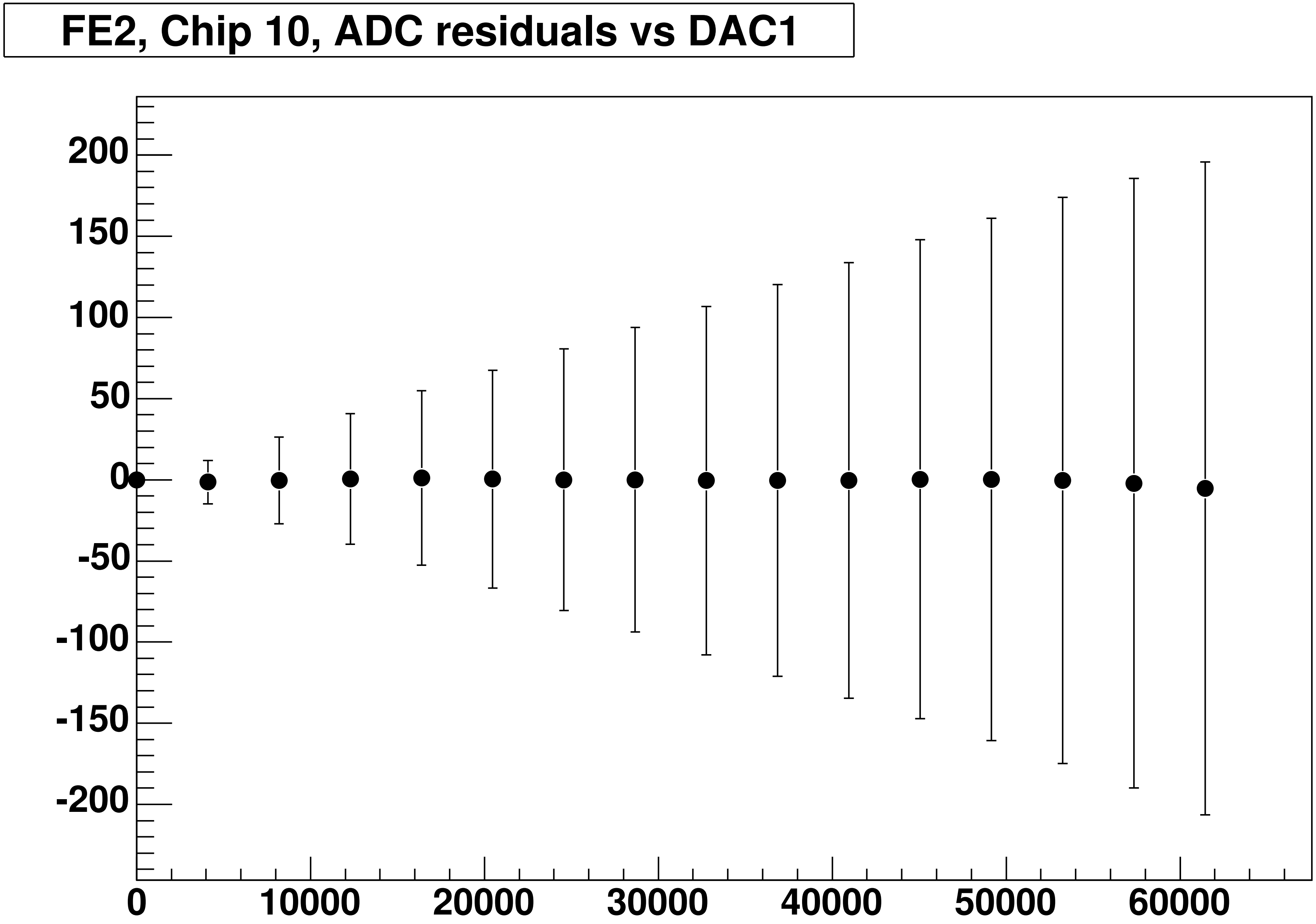

FE2, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

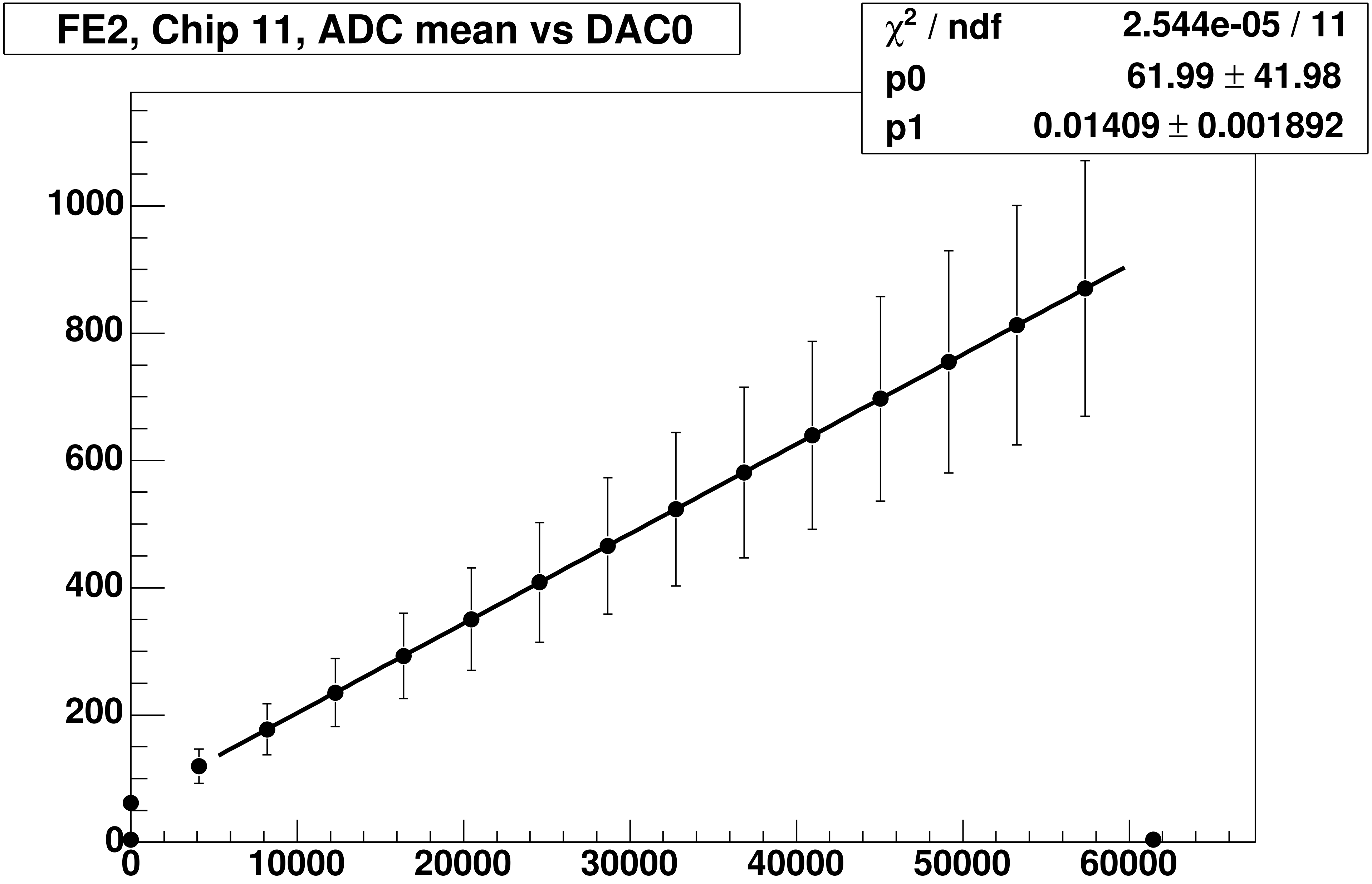

FE2, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

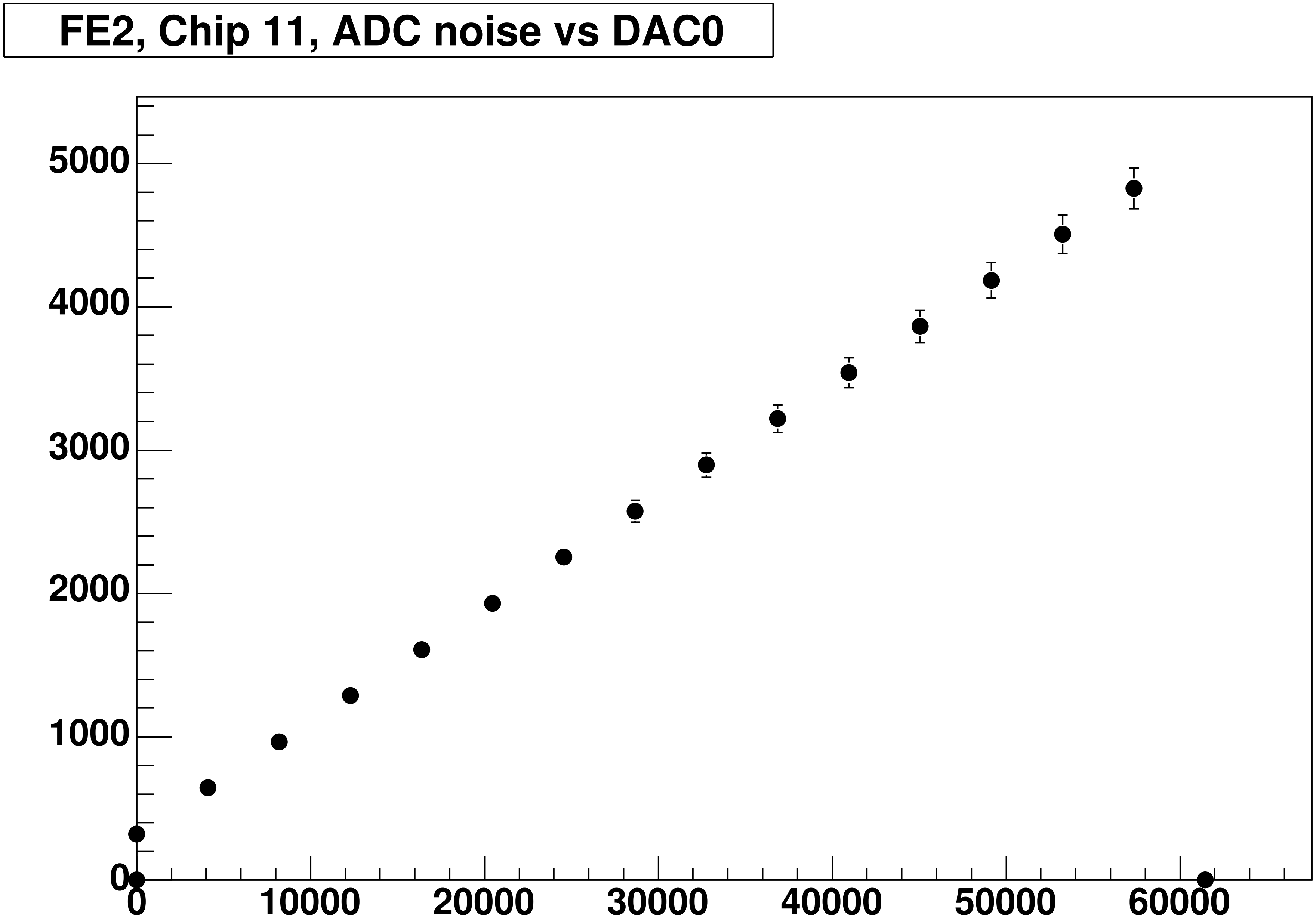


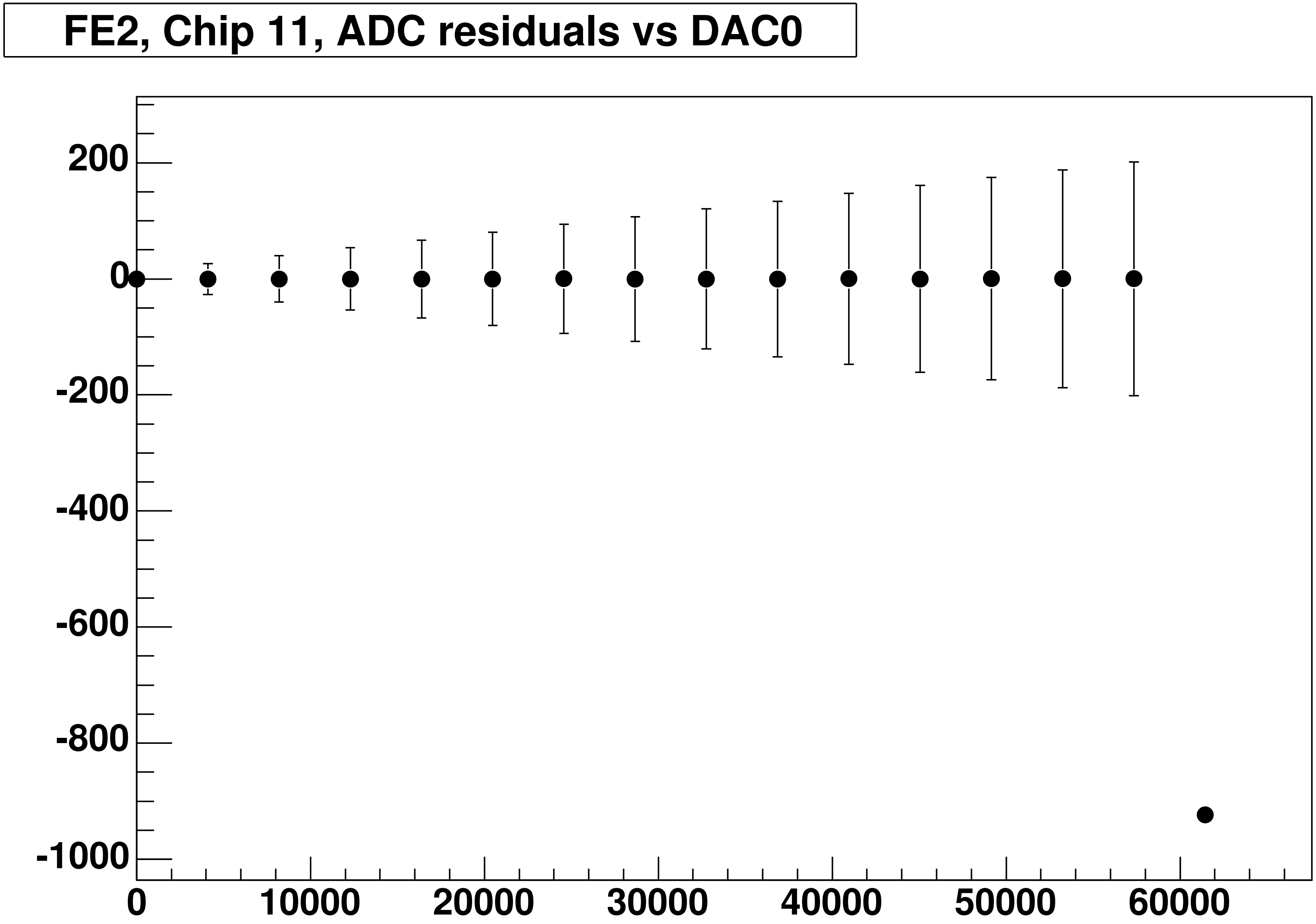
FE2, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001006 / 11
p0 3.291 ± 31.11
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

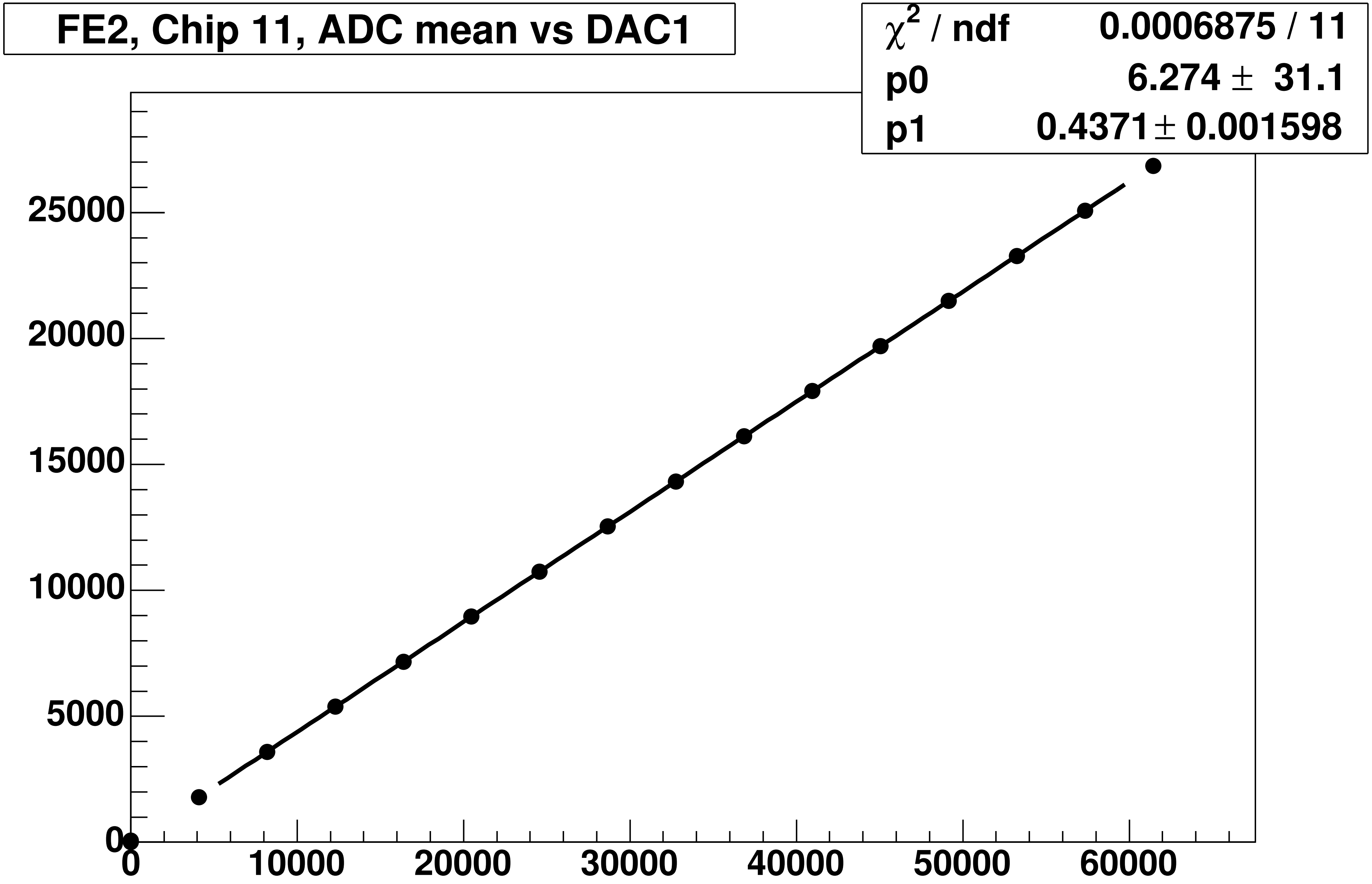

FE2, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

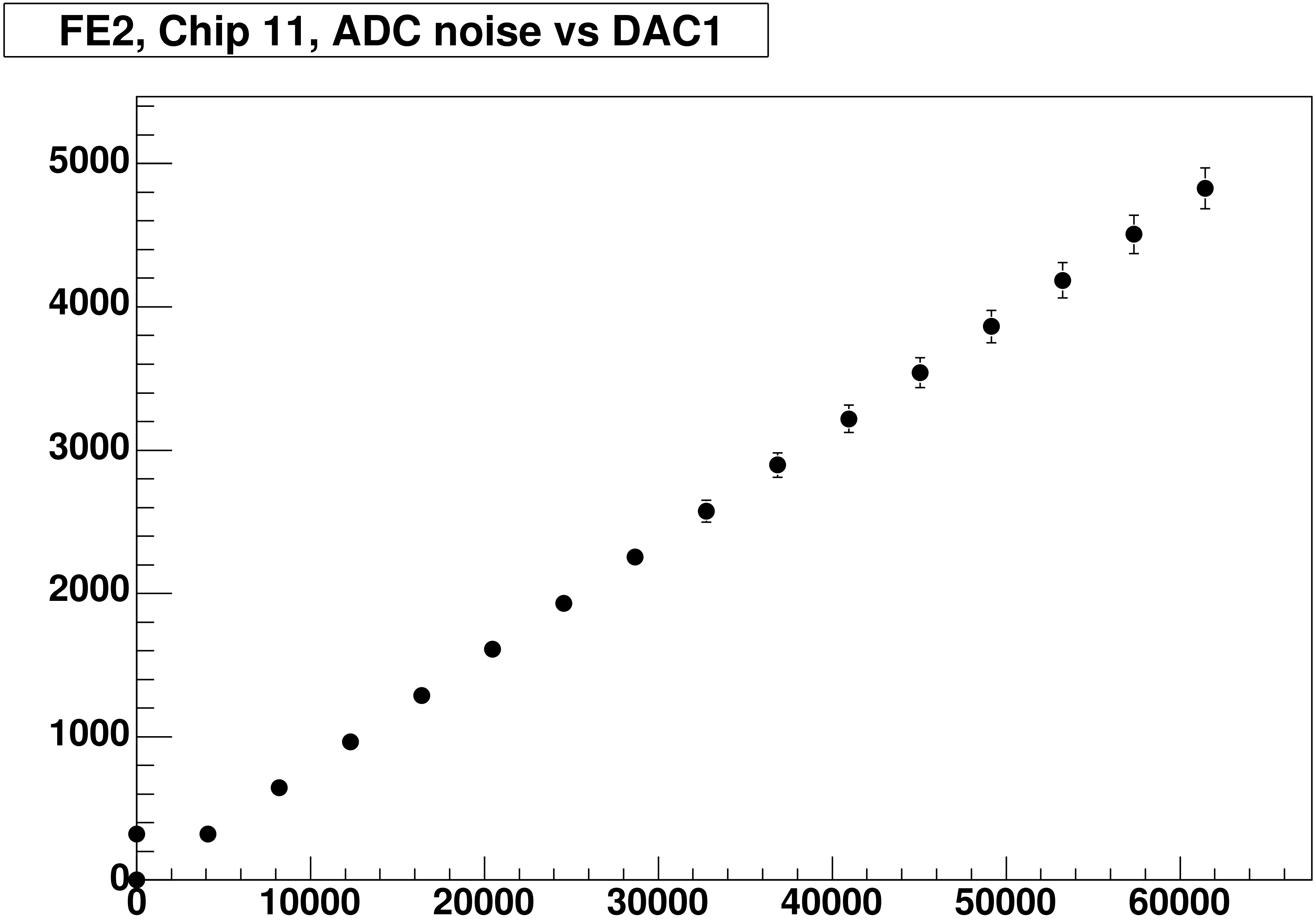

FE2, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 11, ADC mean vs DAC0
χ2 / ndf 2.544e-05 / 11
p0 61.99 ± 41.98
p1 0.01409 ± 0.001892
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

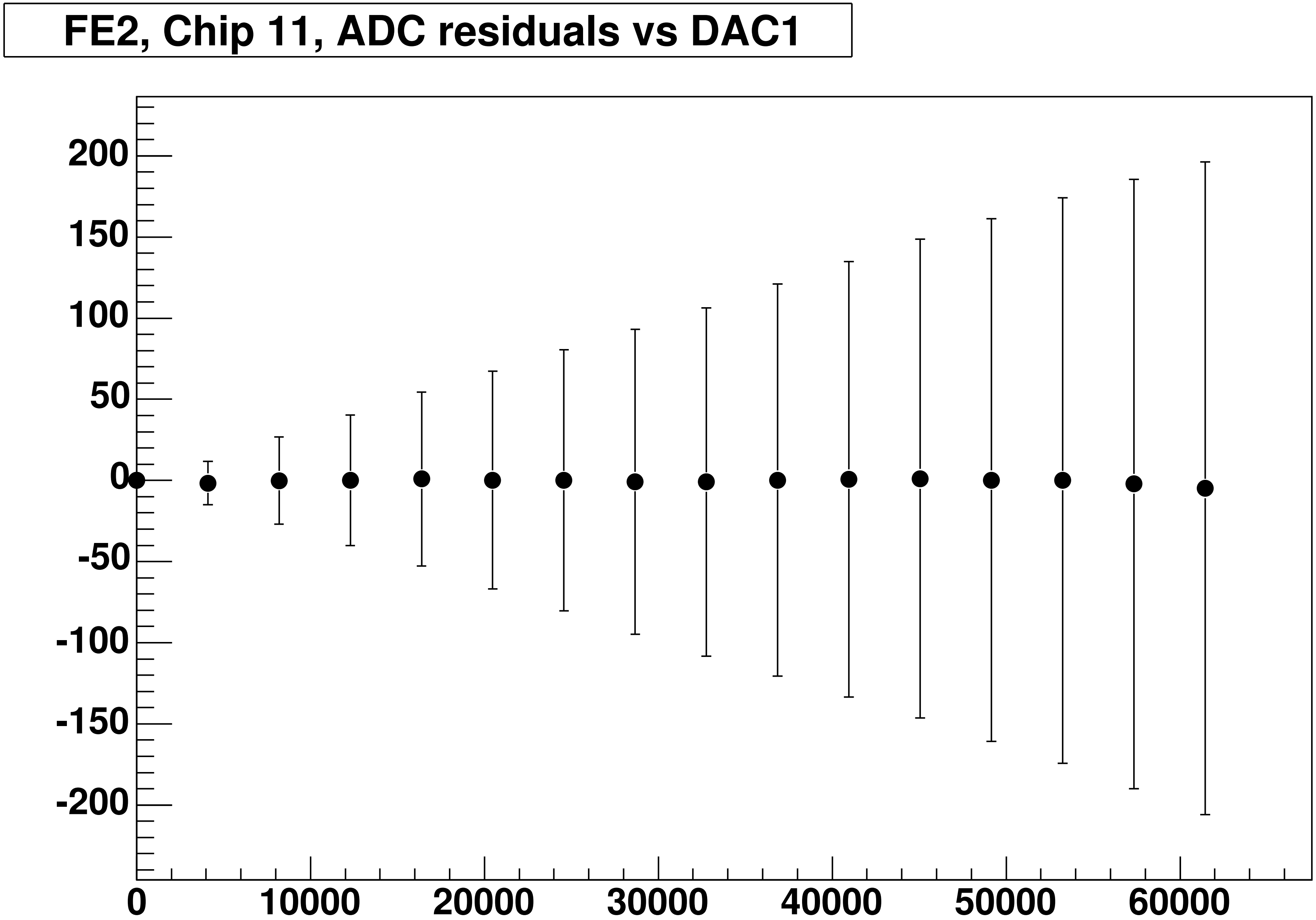

FE2, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

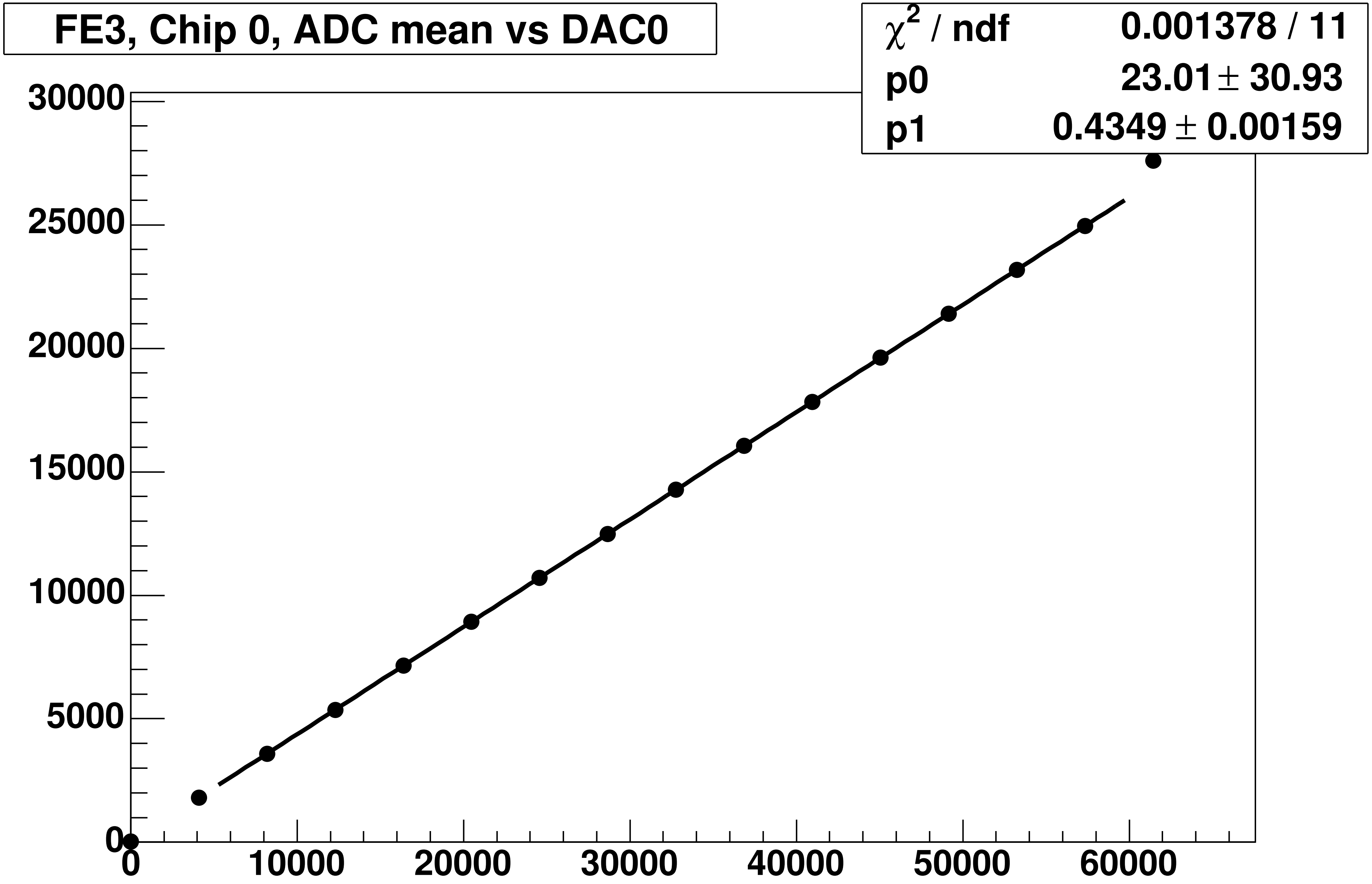

FE2, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0006875 / 11
p0 6.274 ± 31.1
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



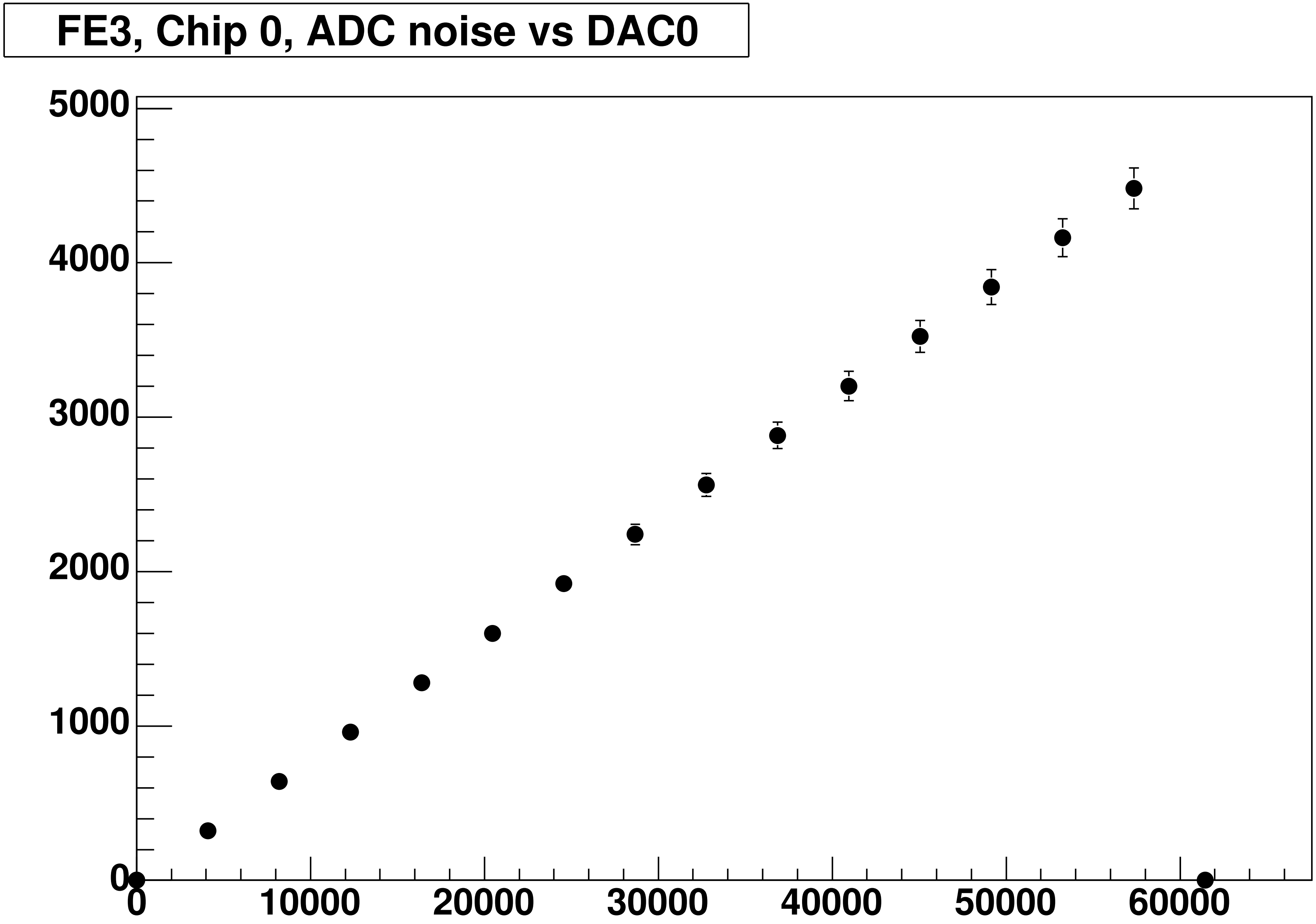
FE2, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

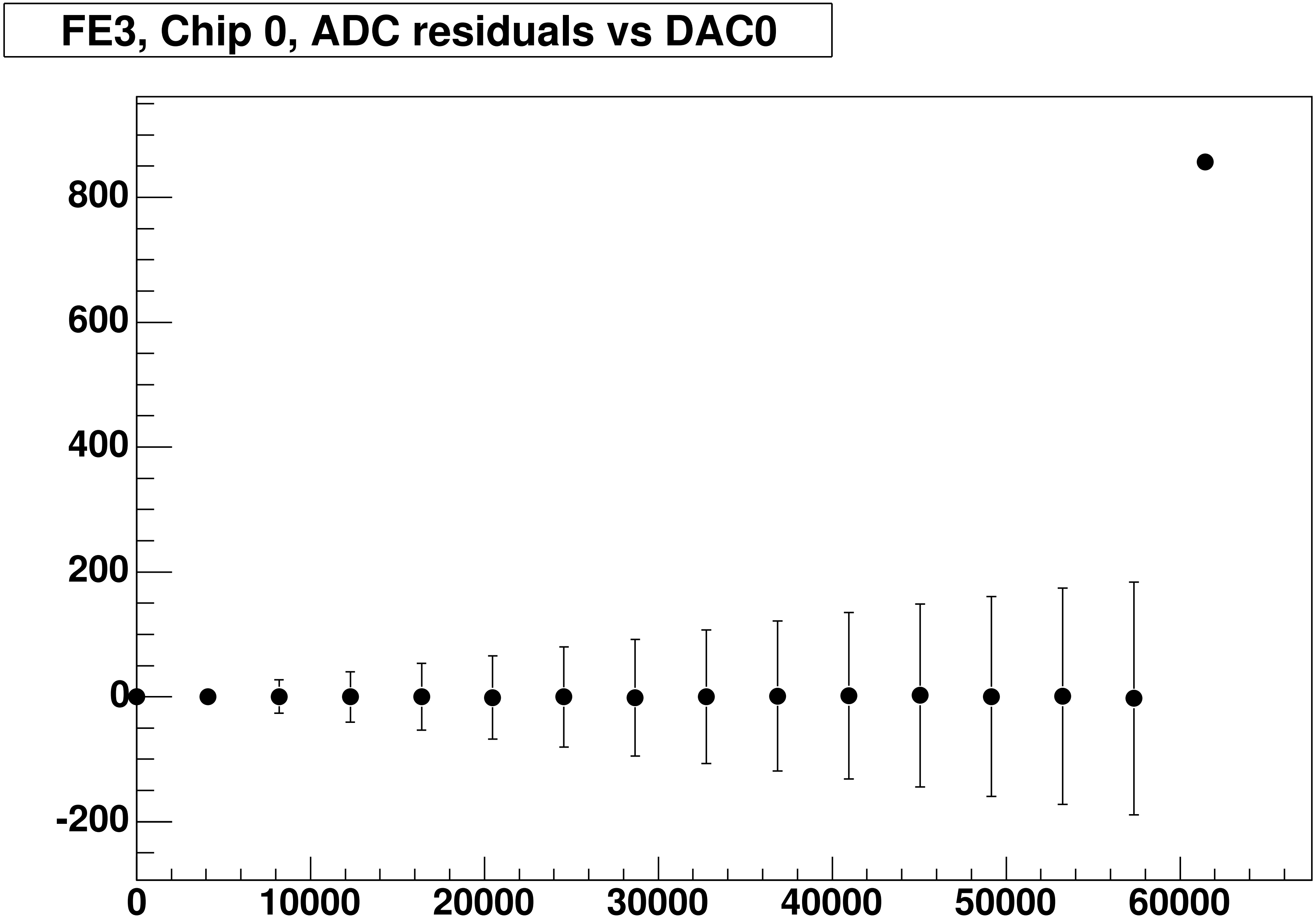


FE2, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

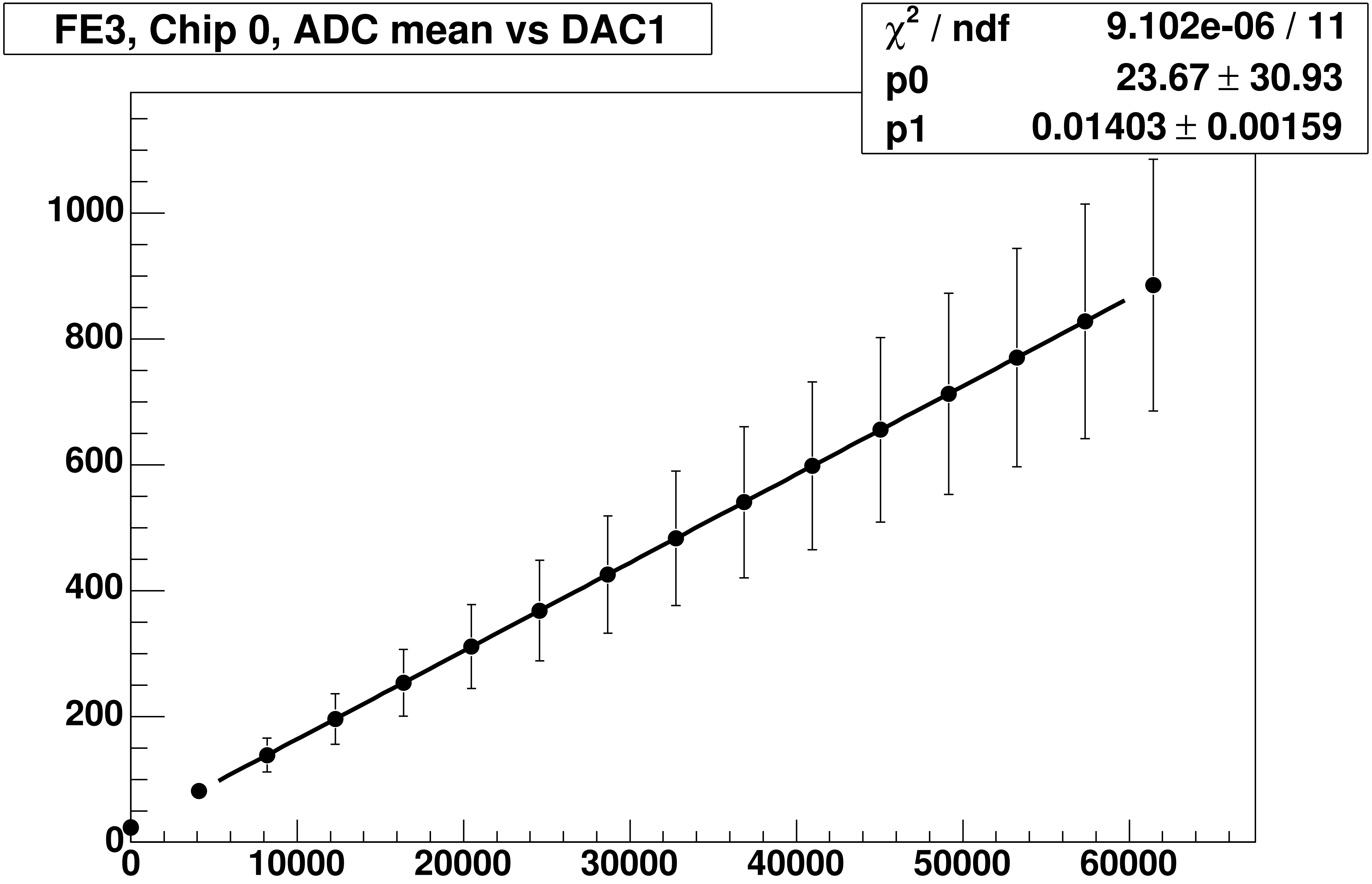


FE3, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001378 / 11
p0 23.01 ± 30.93
p1 0.4349 ± 0.00159
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

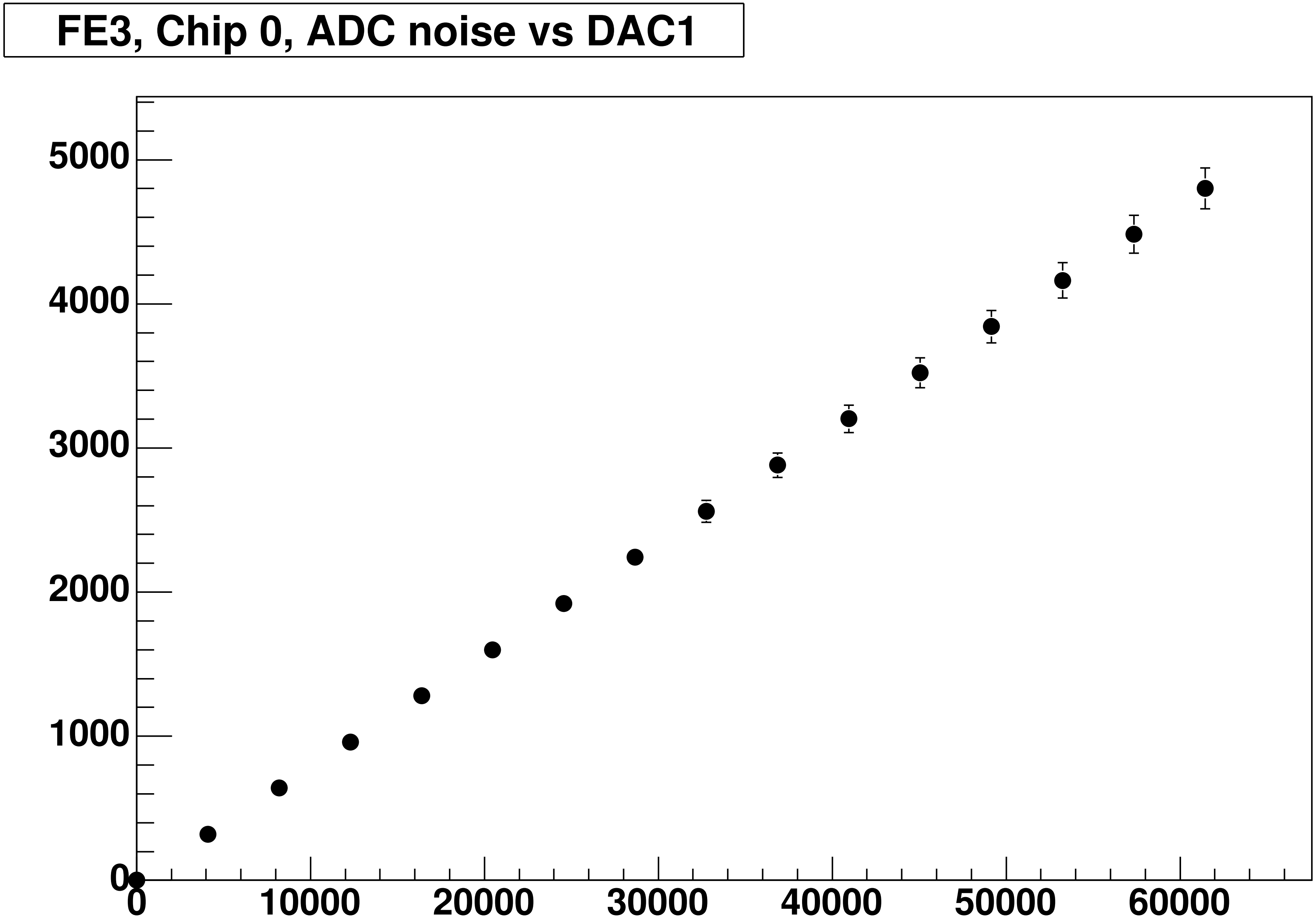

FE3, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

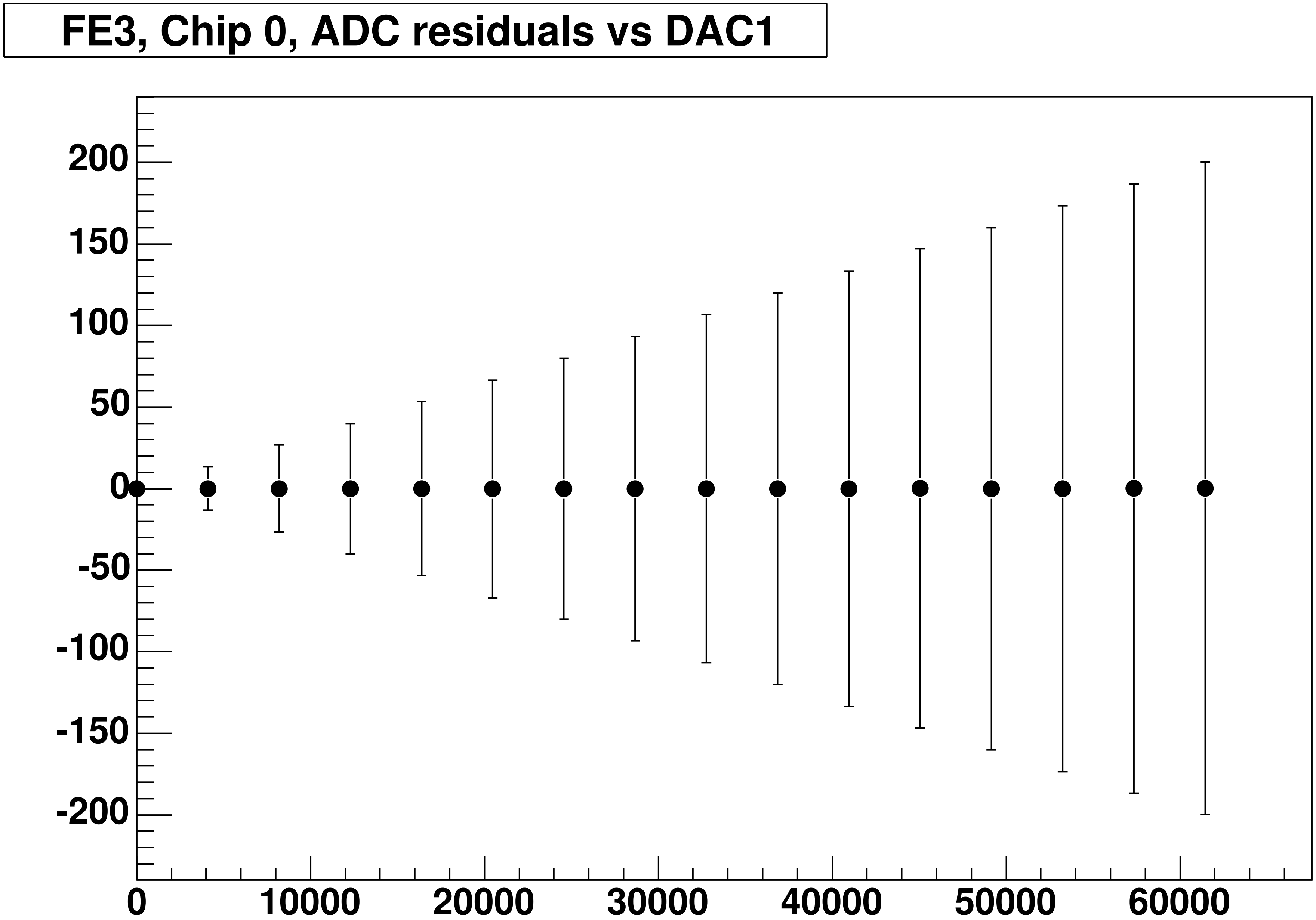


FE3, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

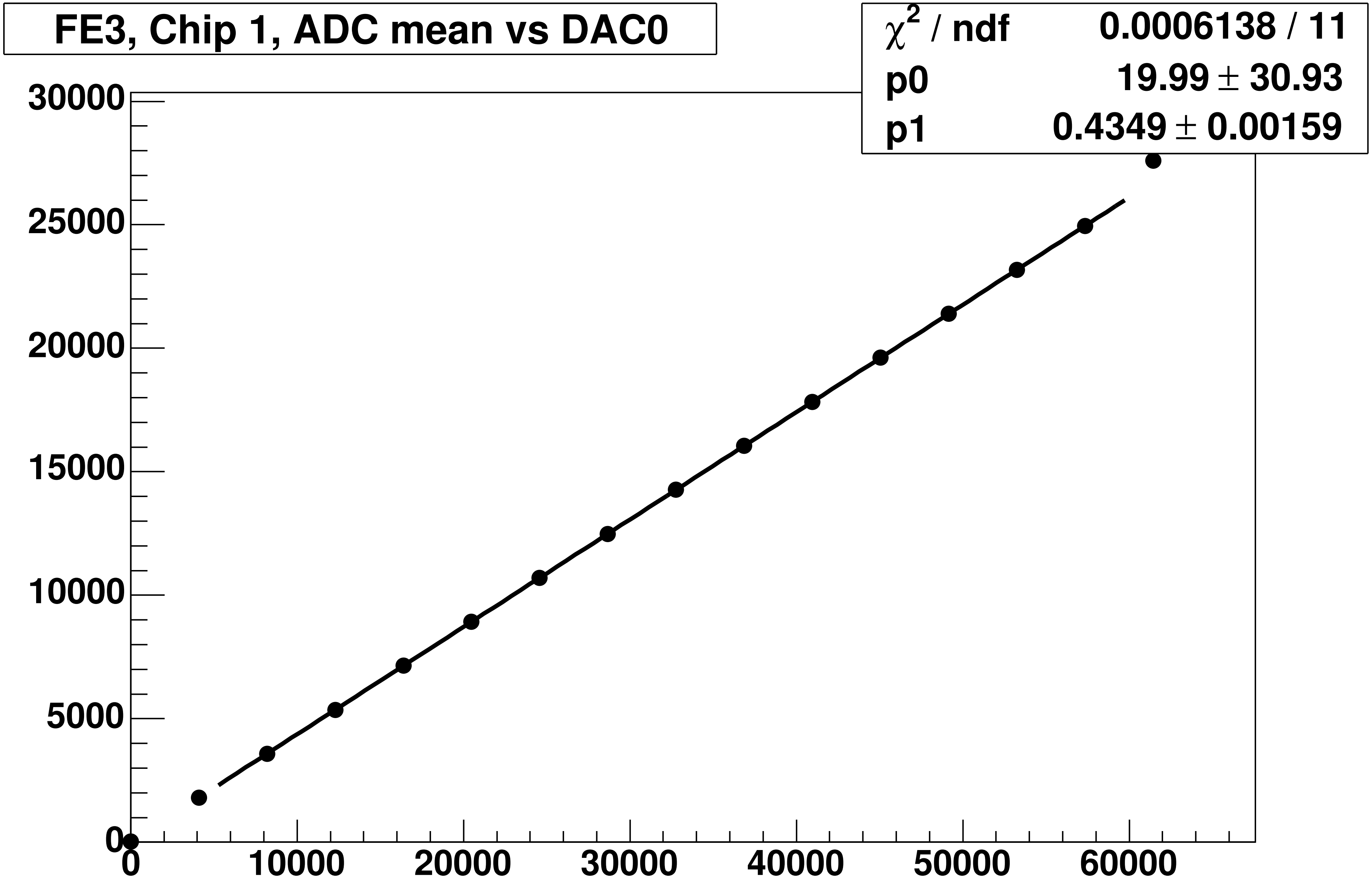


FE3, Chip 0, ADC mean vs DAC1
χ^2 / ndf 9.102e-06 / 11
p0 23.67 ± 30.93
p1 0.01403 ± 0.00159
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

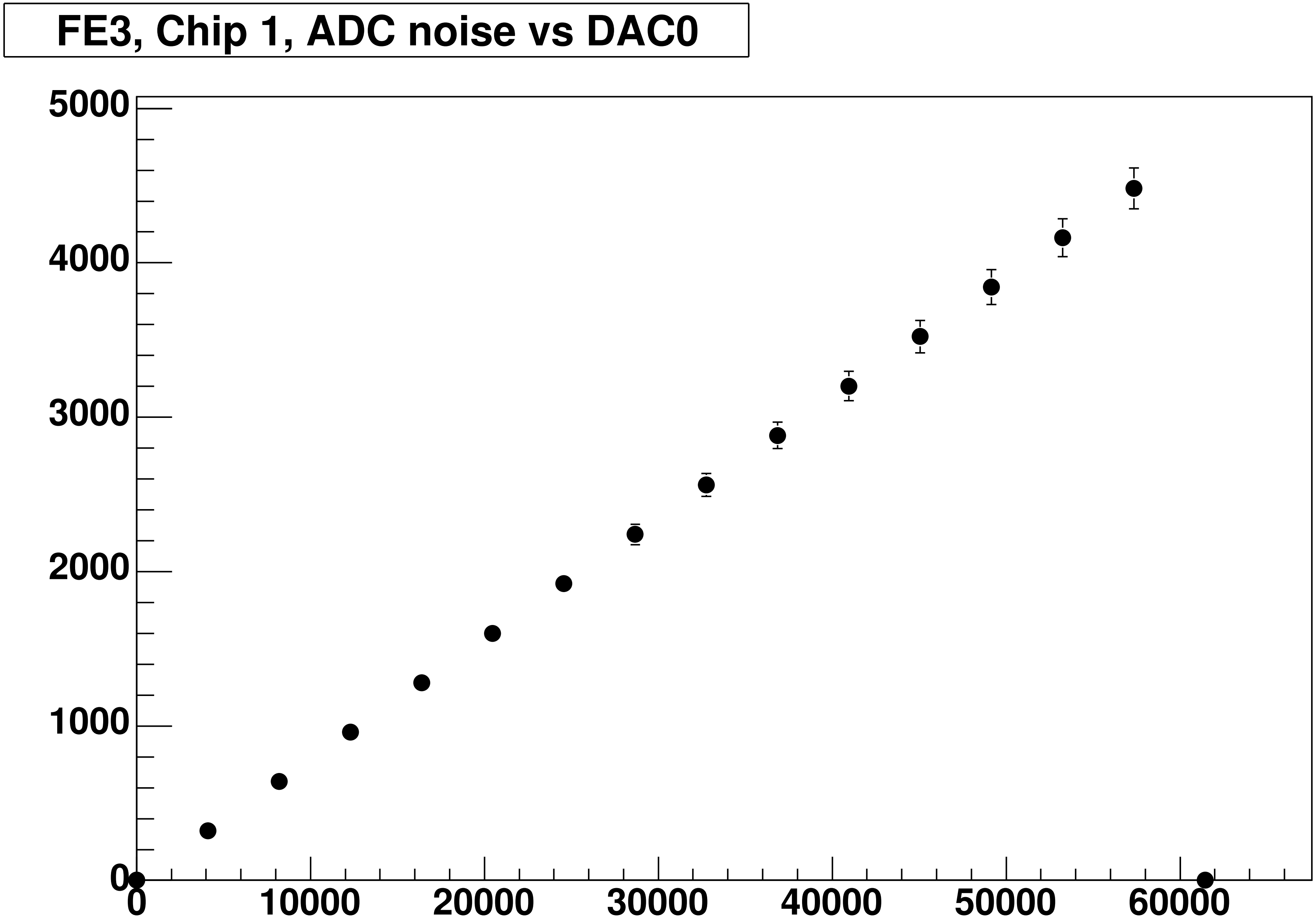

FE3, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



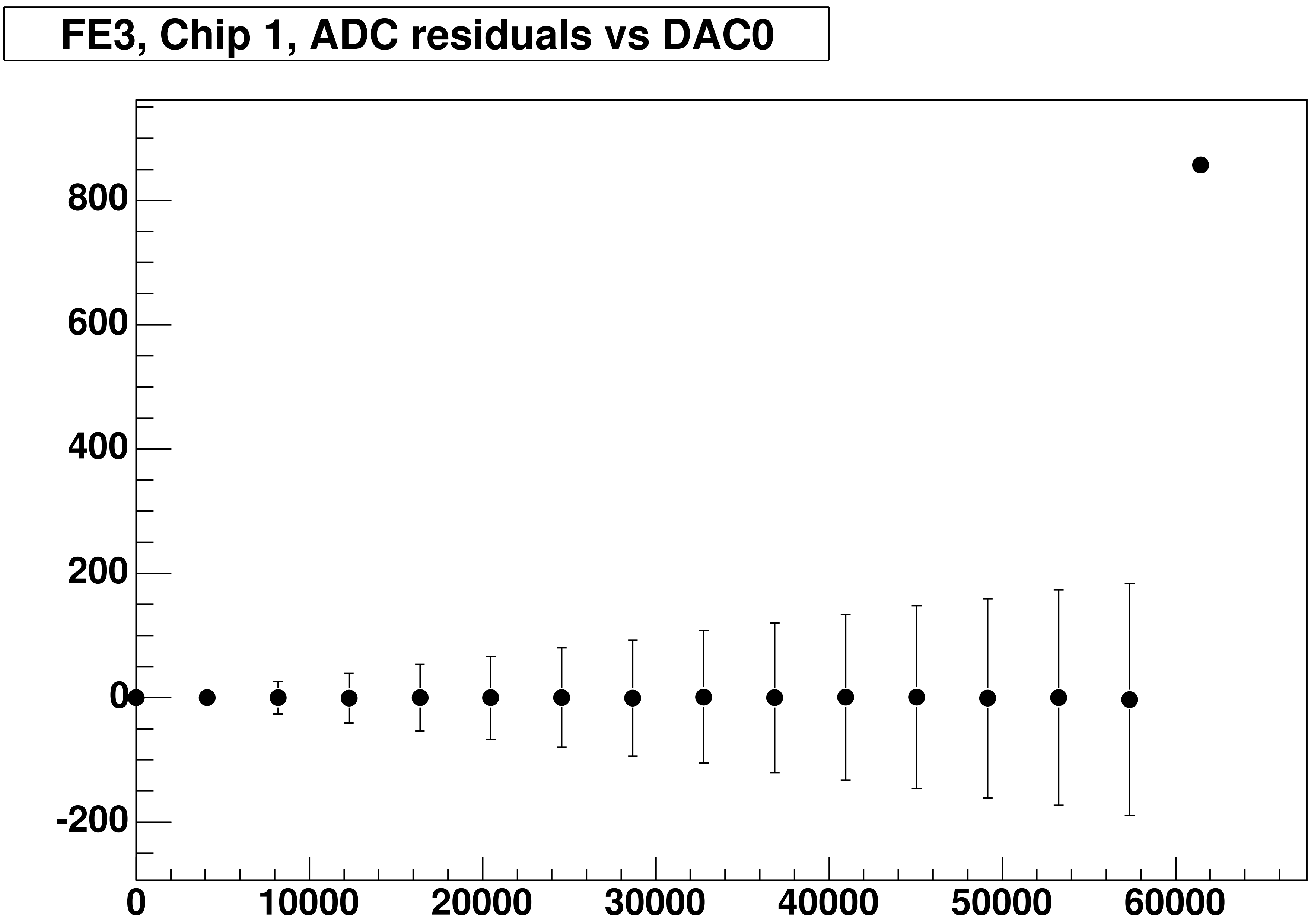
FE3, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

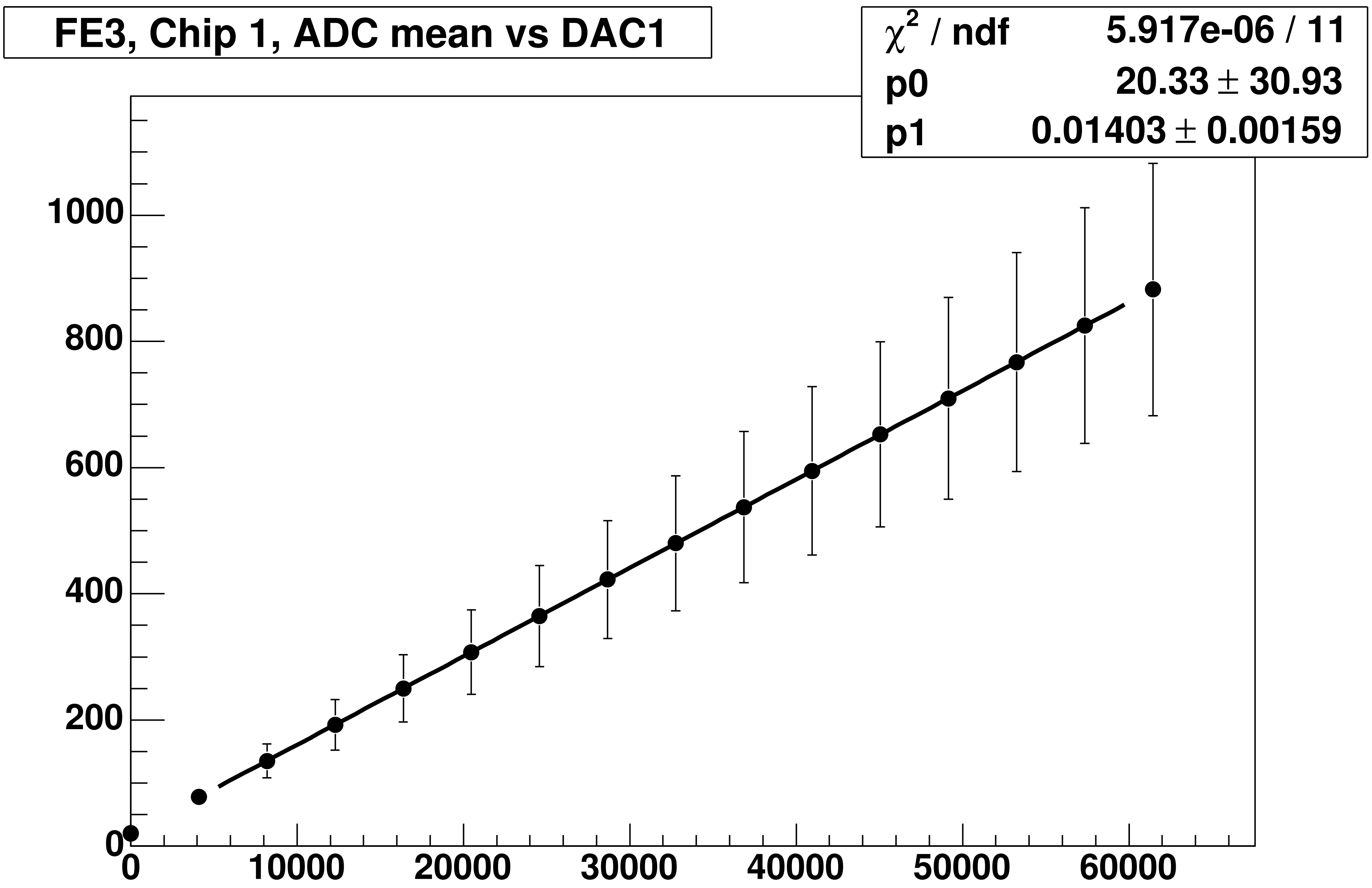


FE3, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.0006138 / 11
p0 19.99 ± 30.93
p1 0.4349 ± 0.00159
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



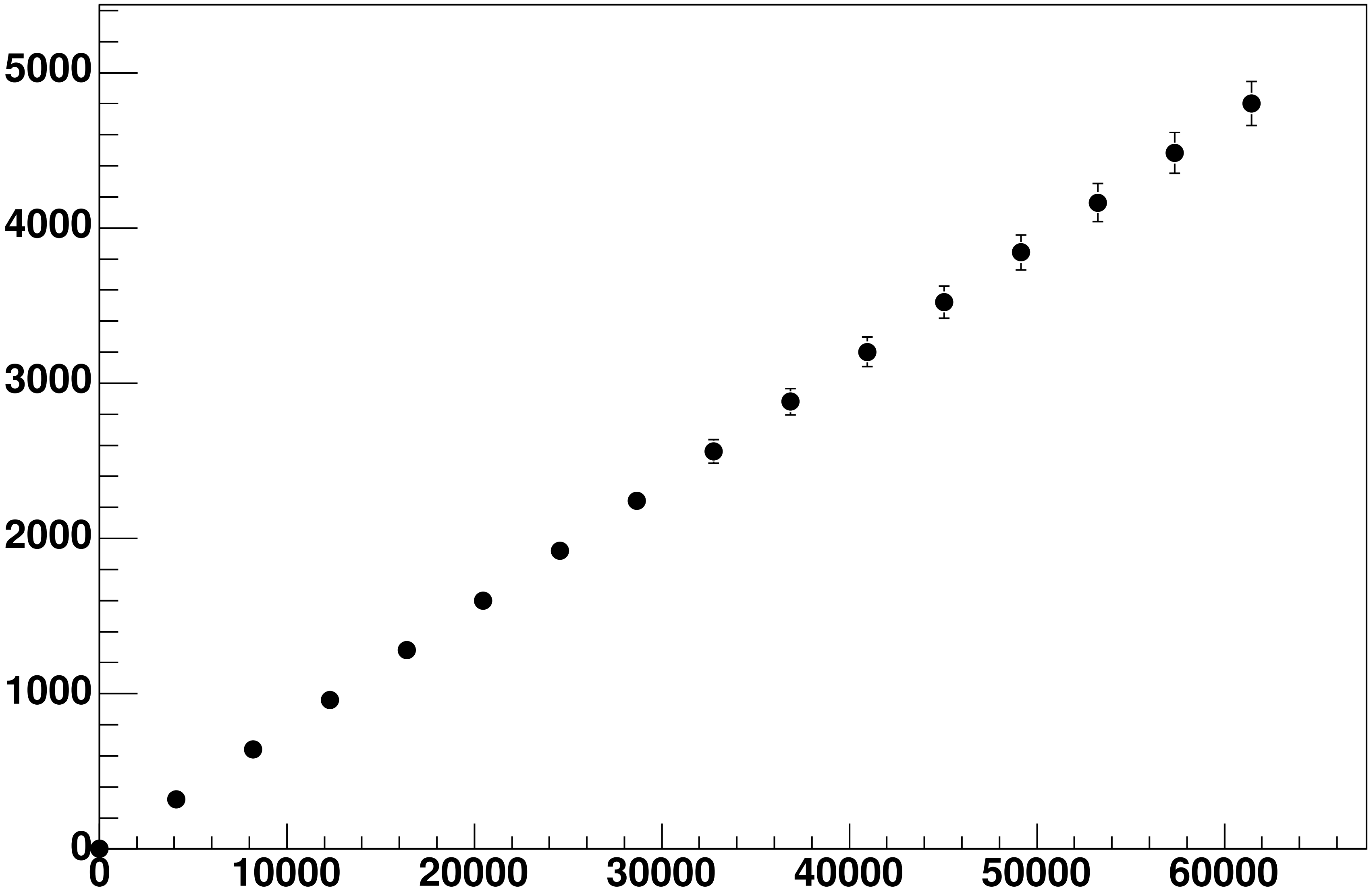
FE3, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

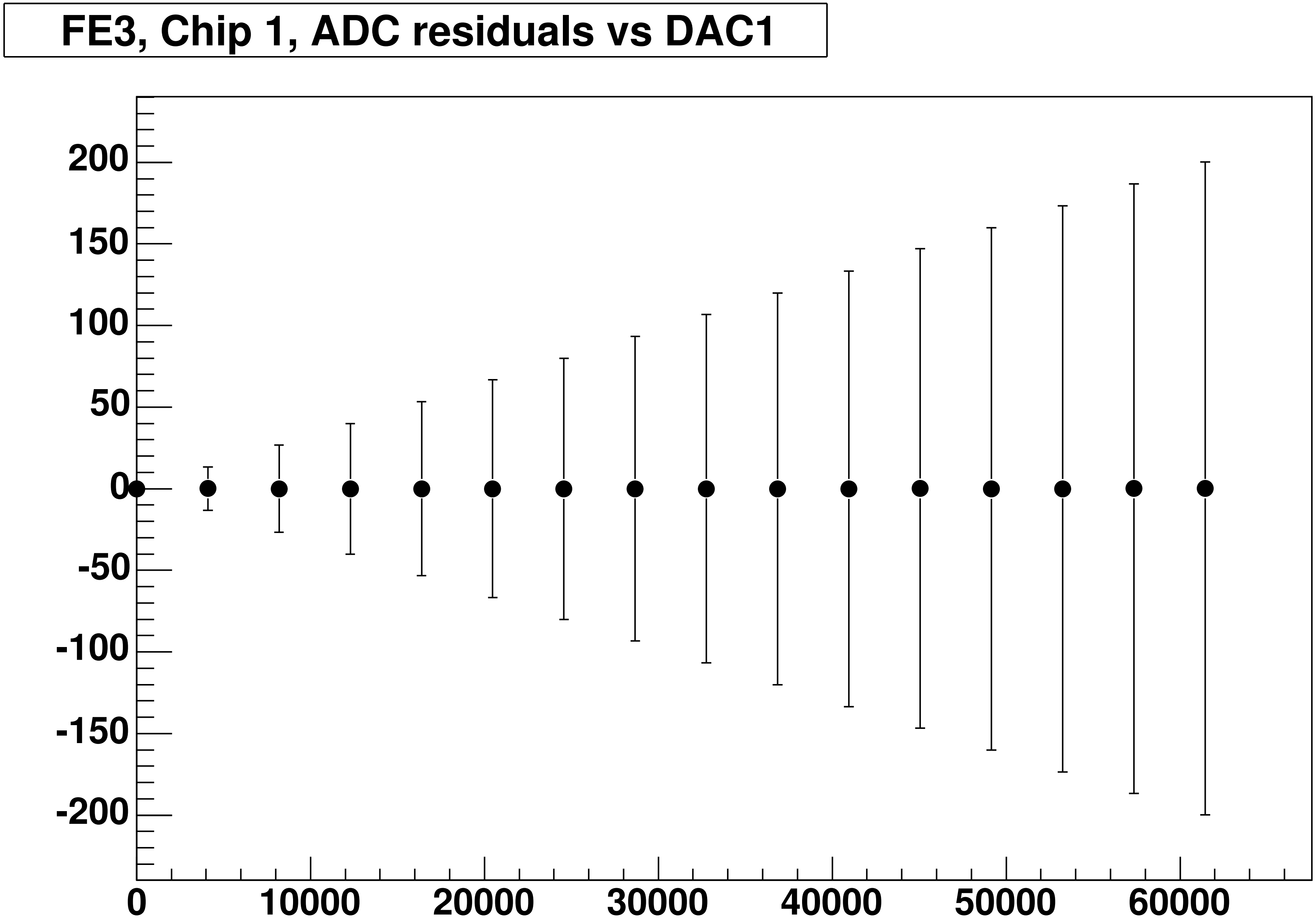

FE3, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

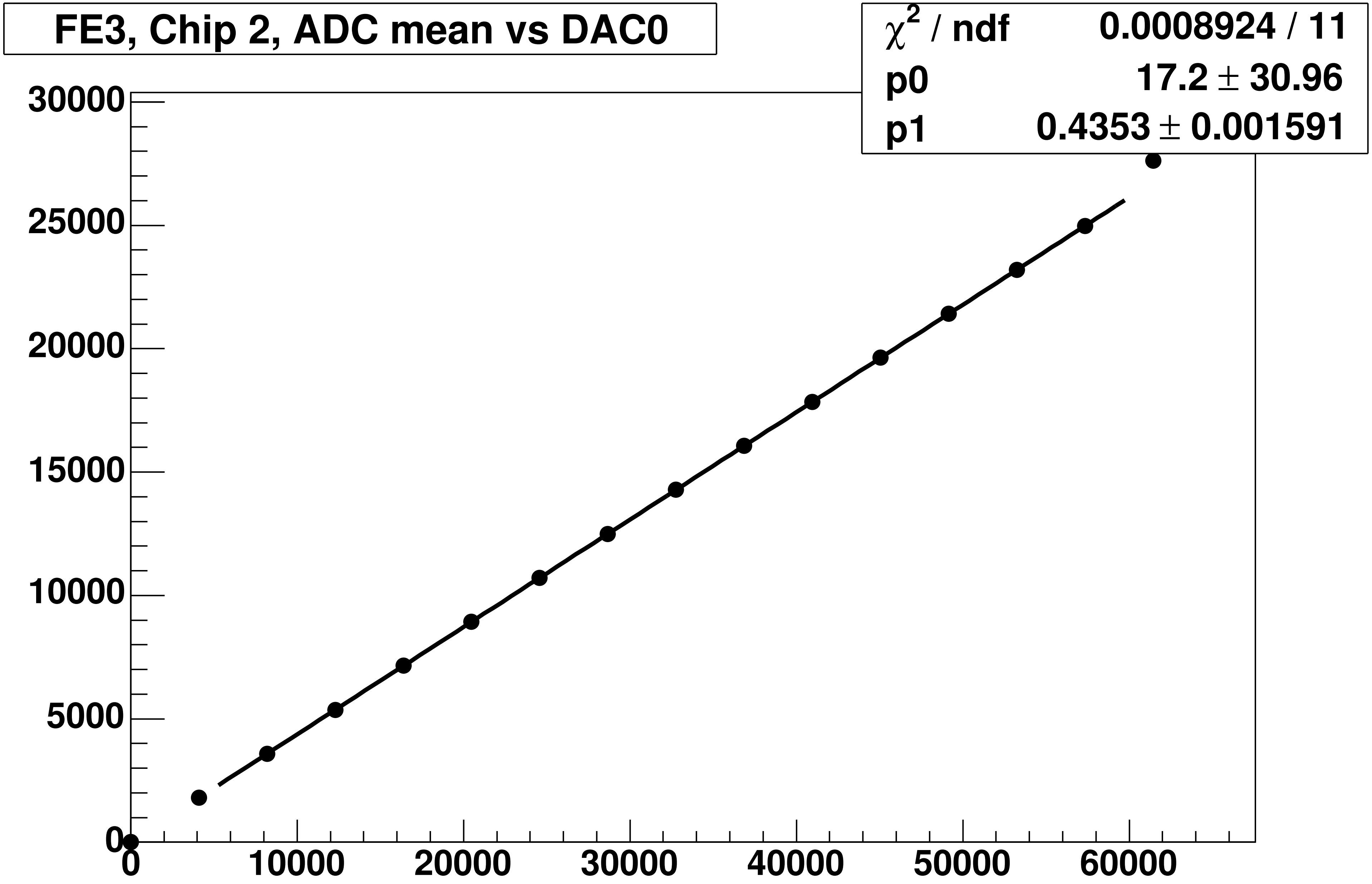


FE3, Chip 1, ADC mean vs DAC1
χ^2 / ndf 5.917e-06 / 11
p0 20.33 ± 30.93
p1 0.01403 ± 0.00159
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

FE3, Chip 1, ADC noise vs DAC1

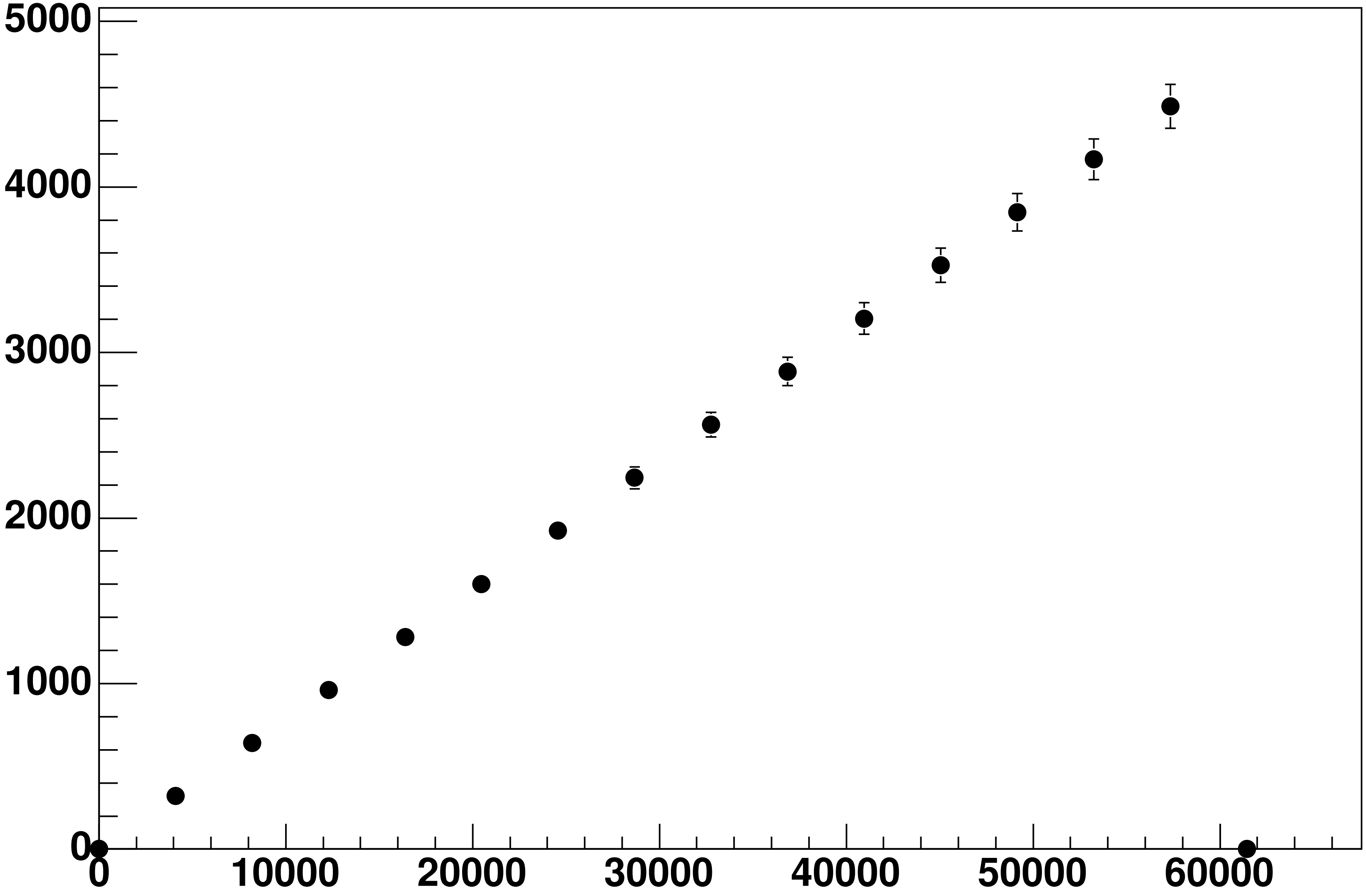


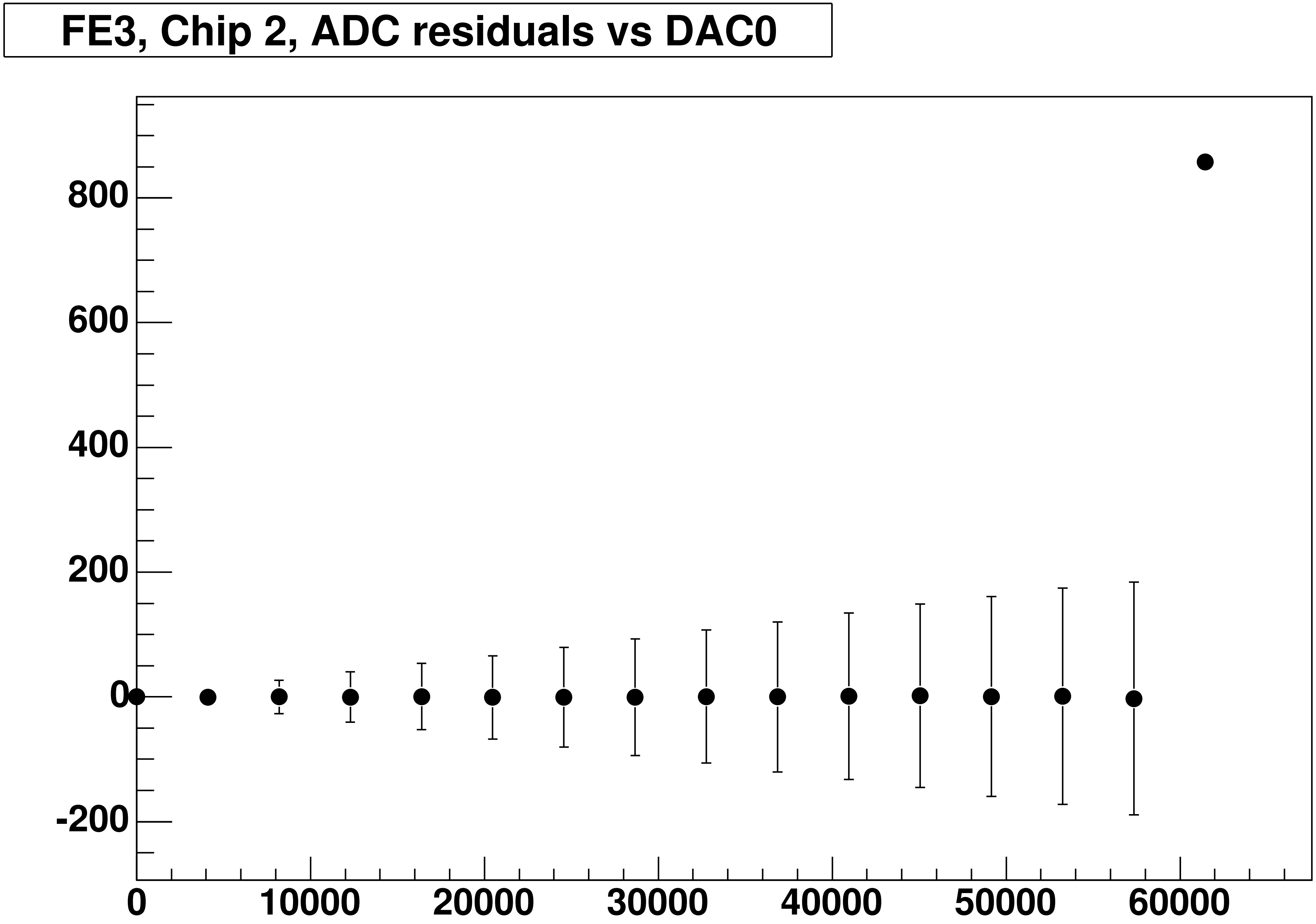

FE3, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

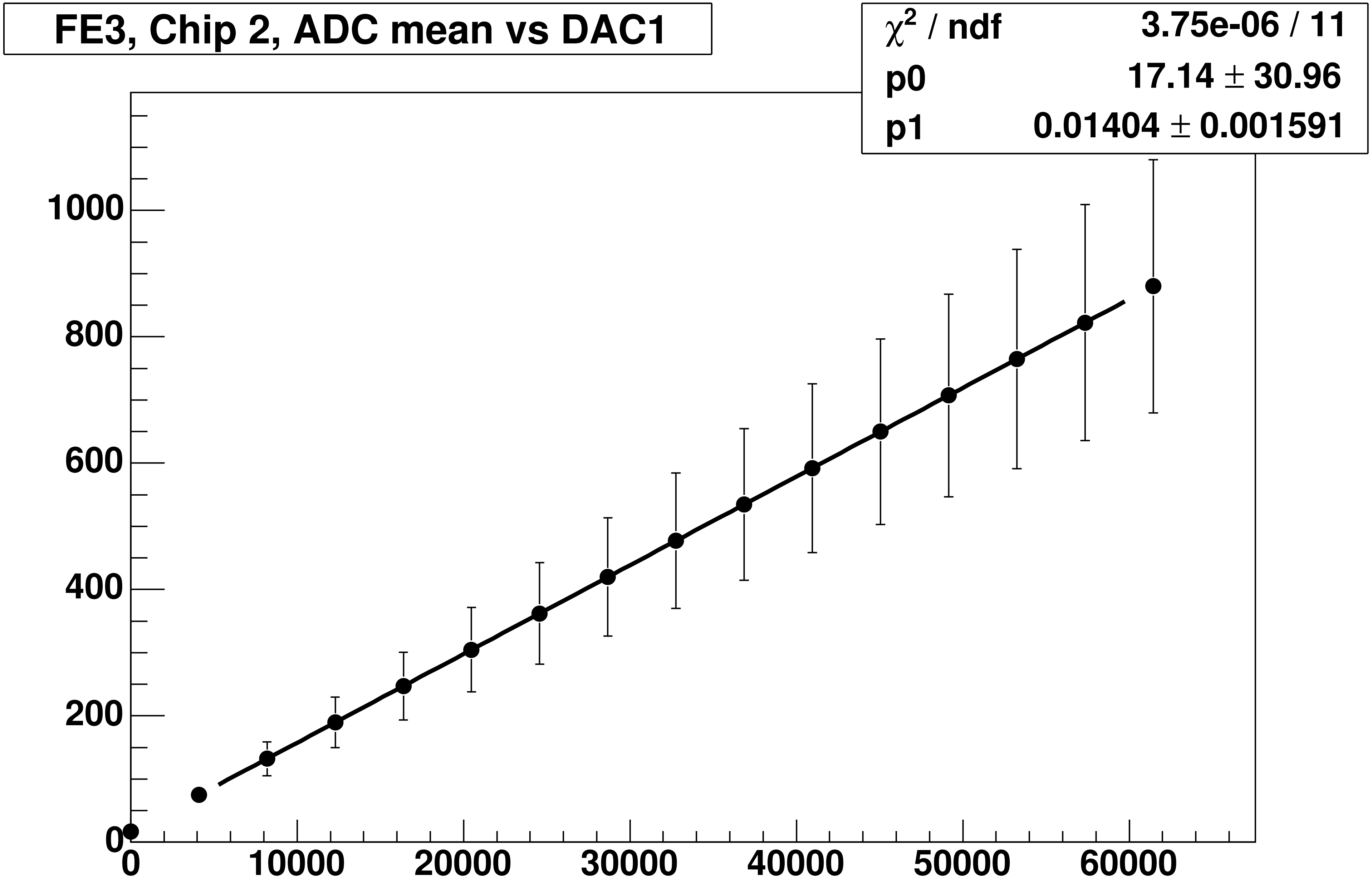


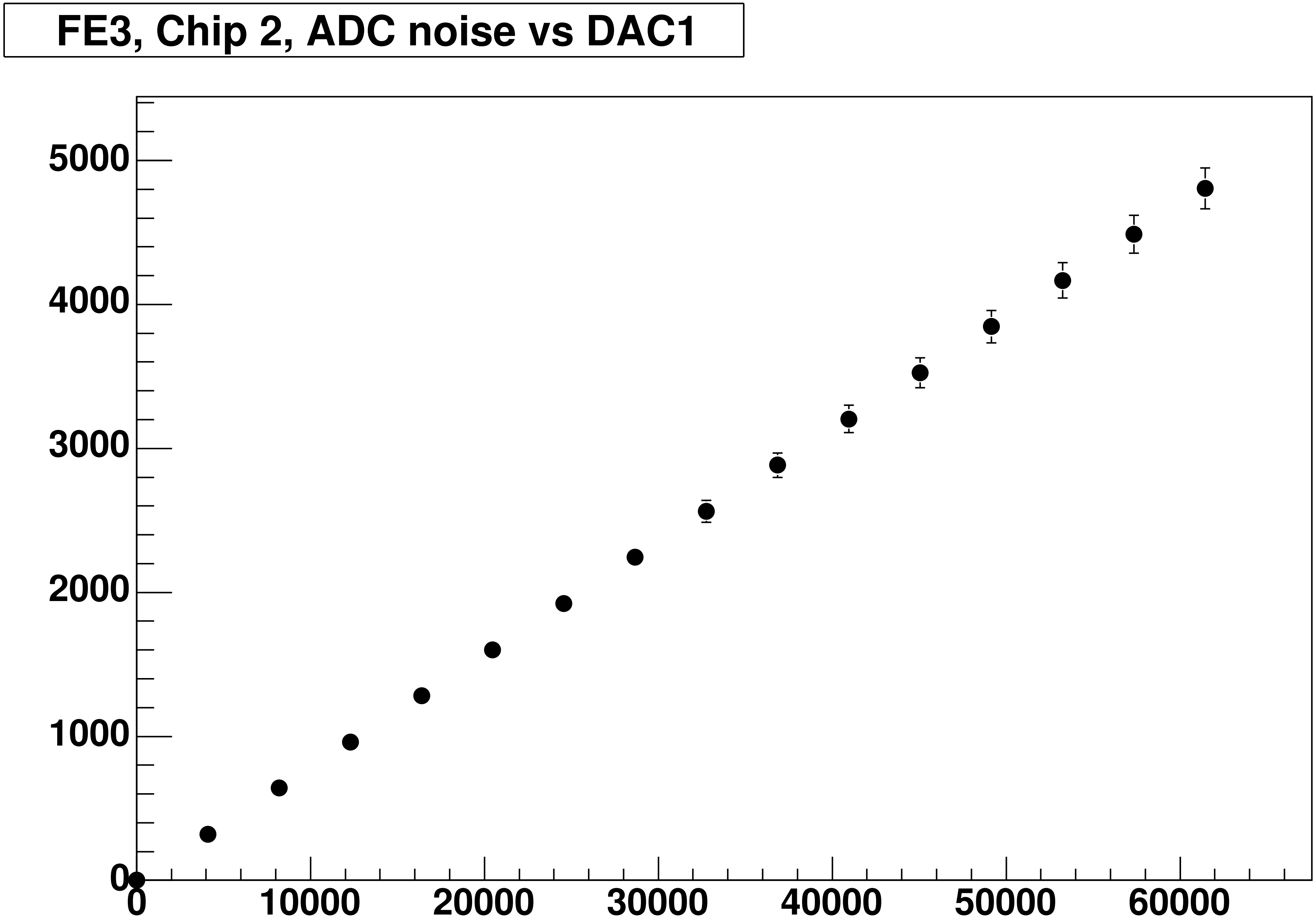
FE3, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.0008924 / 11
p0 17.2 ± 30.96
p1 0.4353 ± 0.001591
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

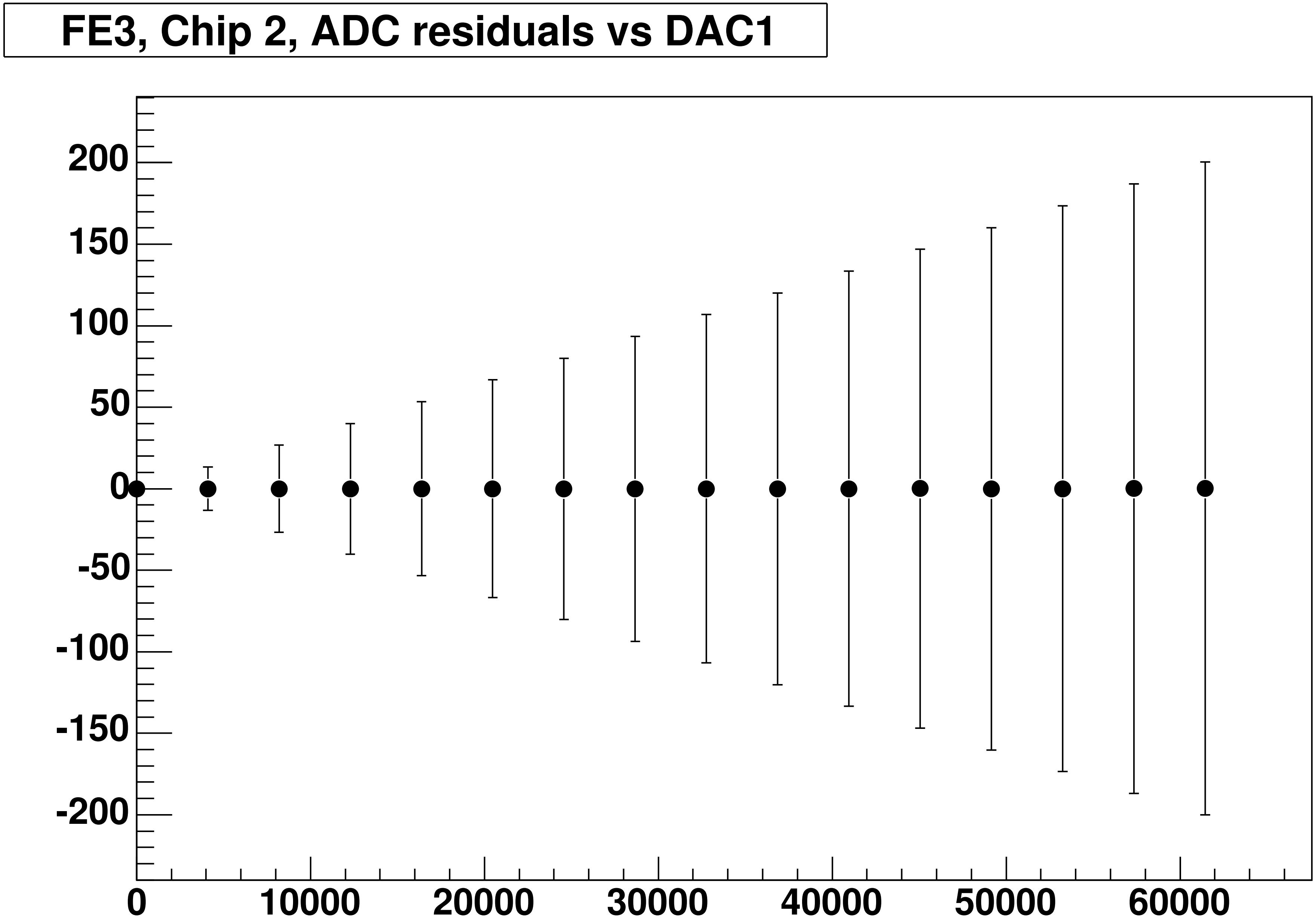
FE3, Chip 2, ADC noise vs DAC0



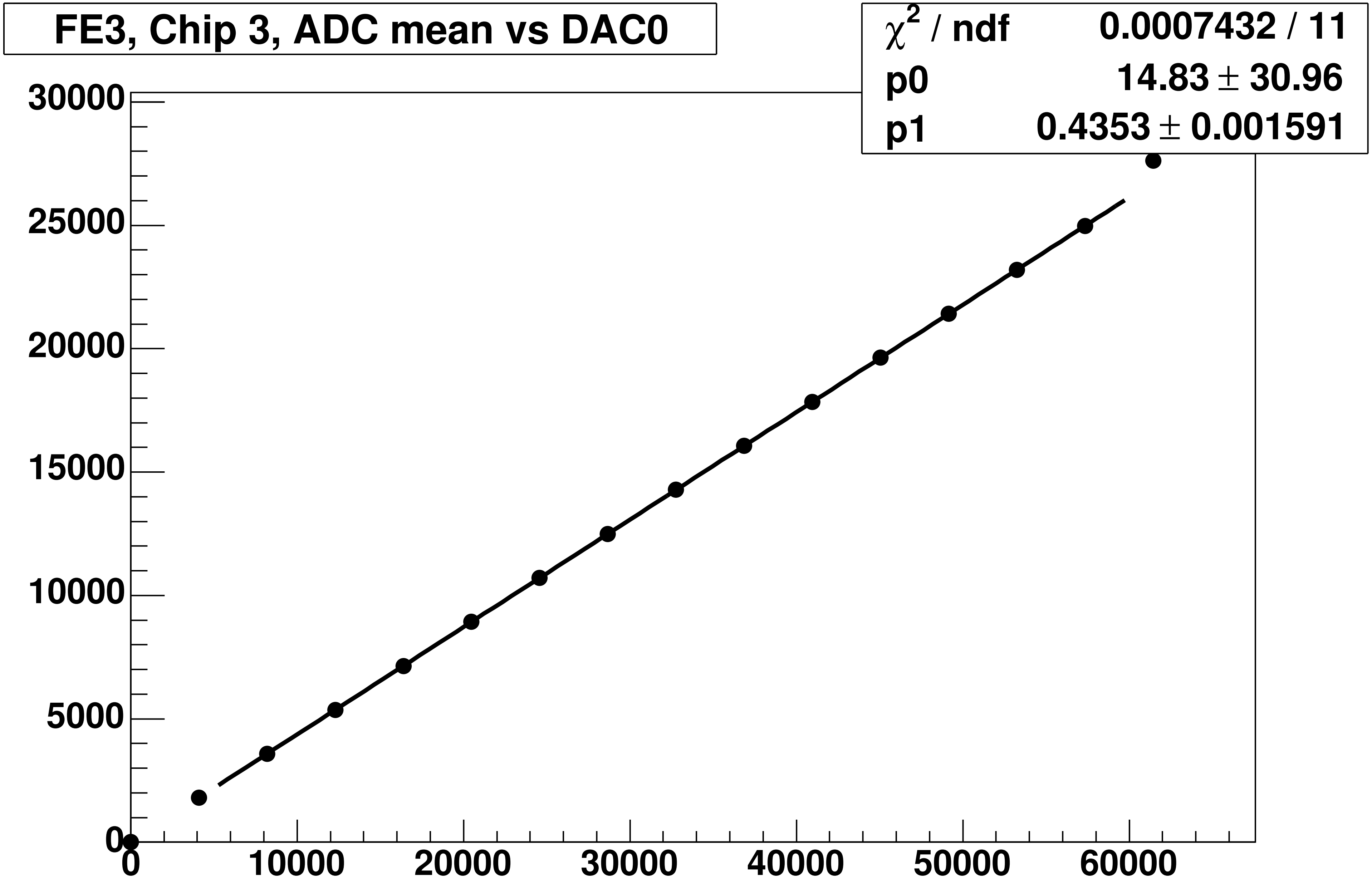

FE3, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE3, Chip 2, ADC mean vs DAC1
χ^2 / ndf 3.75e-06 / 11
p0 17.14 ± 30.96
p1 0.01404 ± 0.001591
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

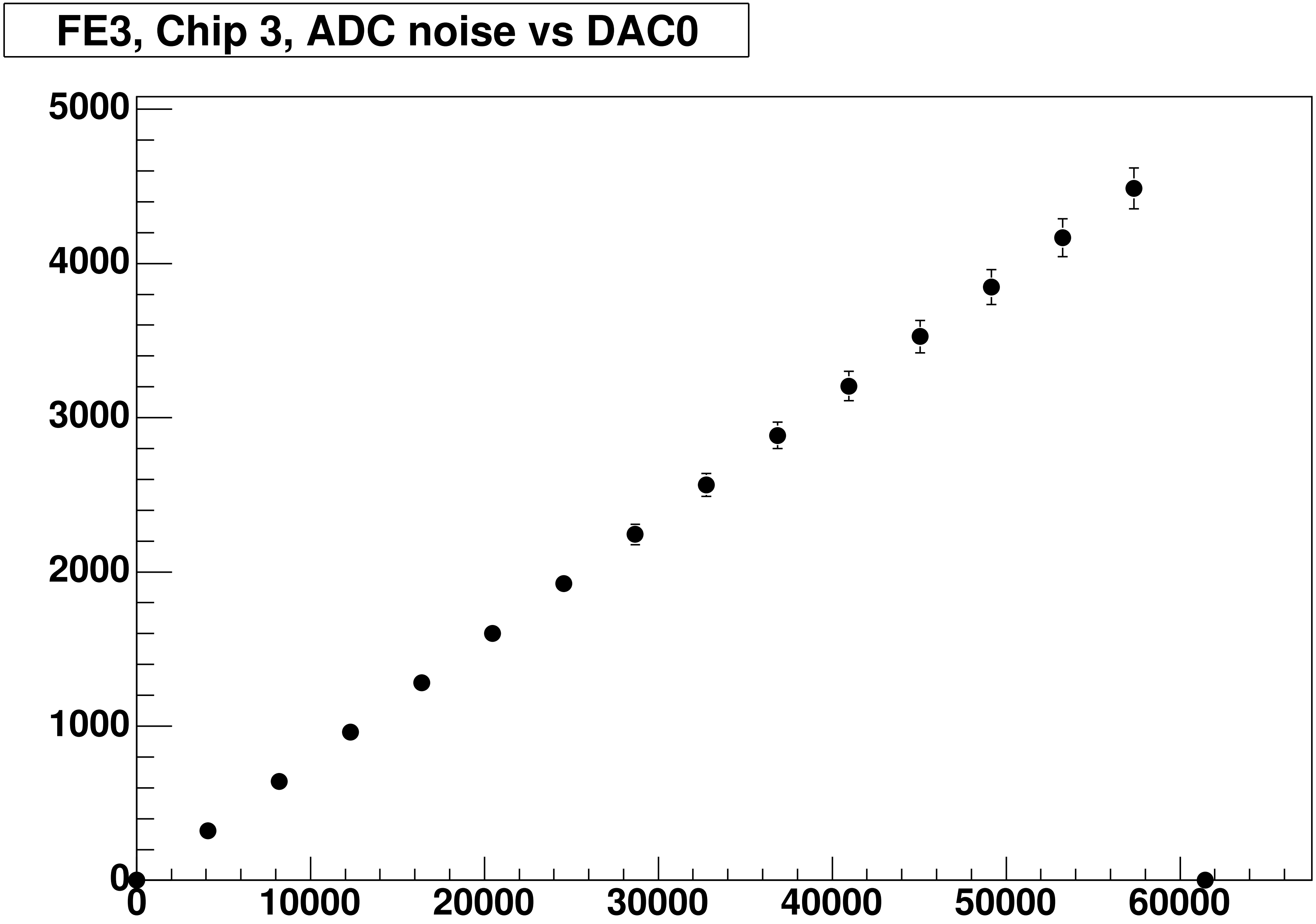

FE3, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

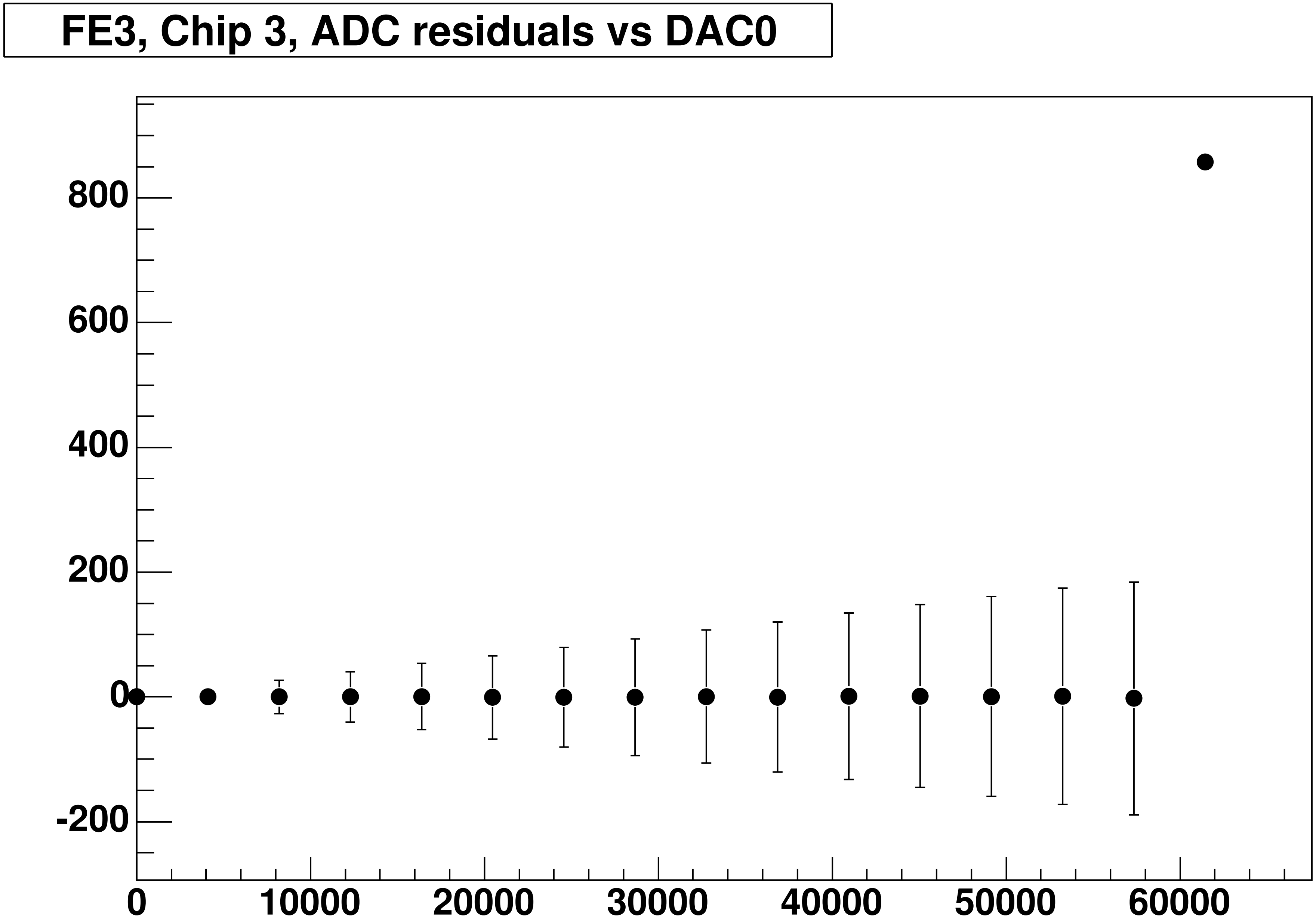


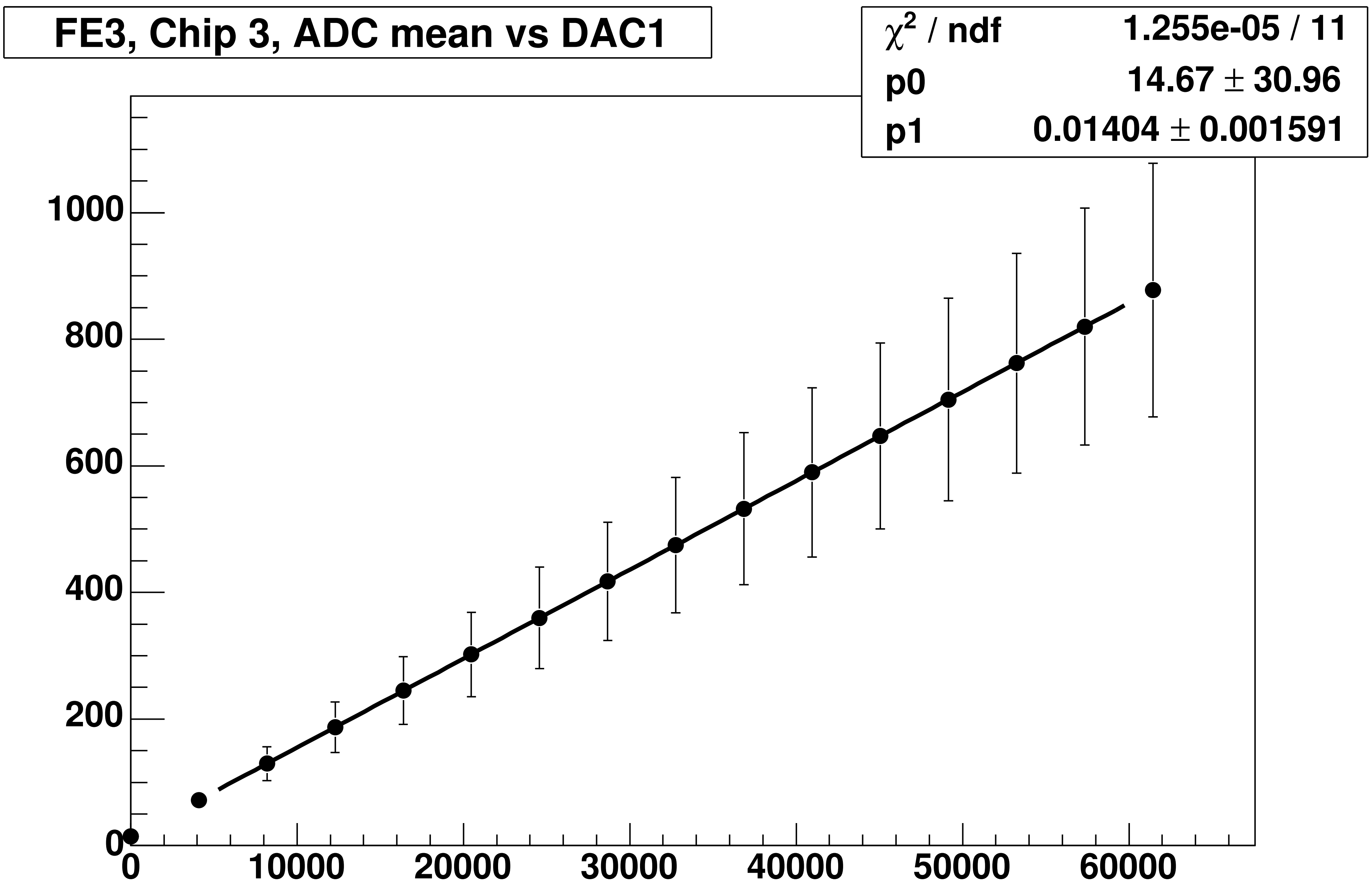
FE3, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



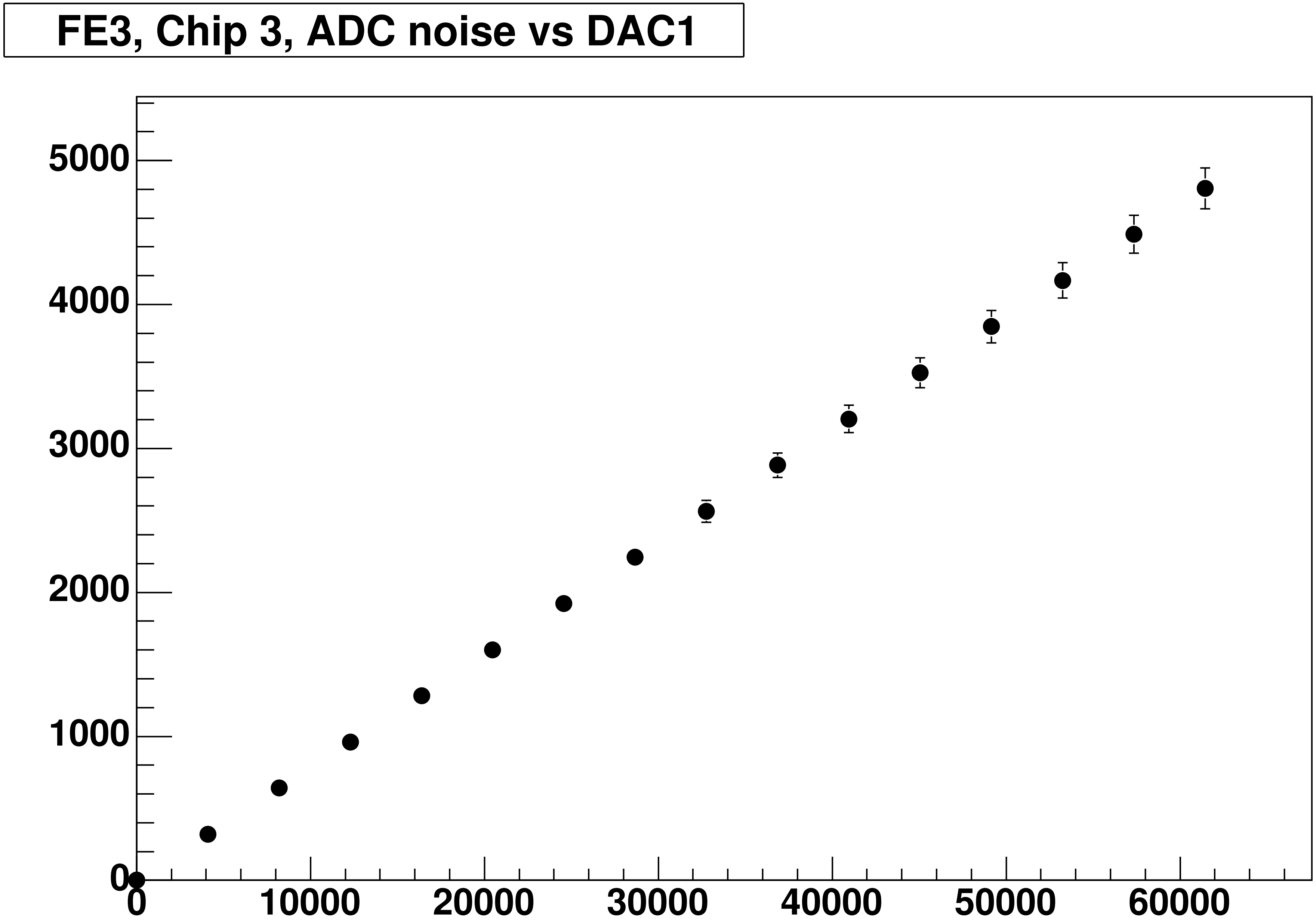
FE3, Chip 3, ADC mean vs DAC0
χ2 / ndf 0.0007432 / 11
p0 14.83 ± 30.96
p1 0.4353 ± 0.001591
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

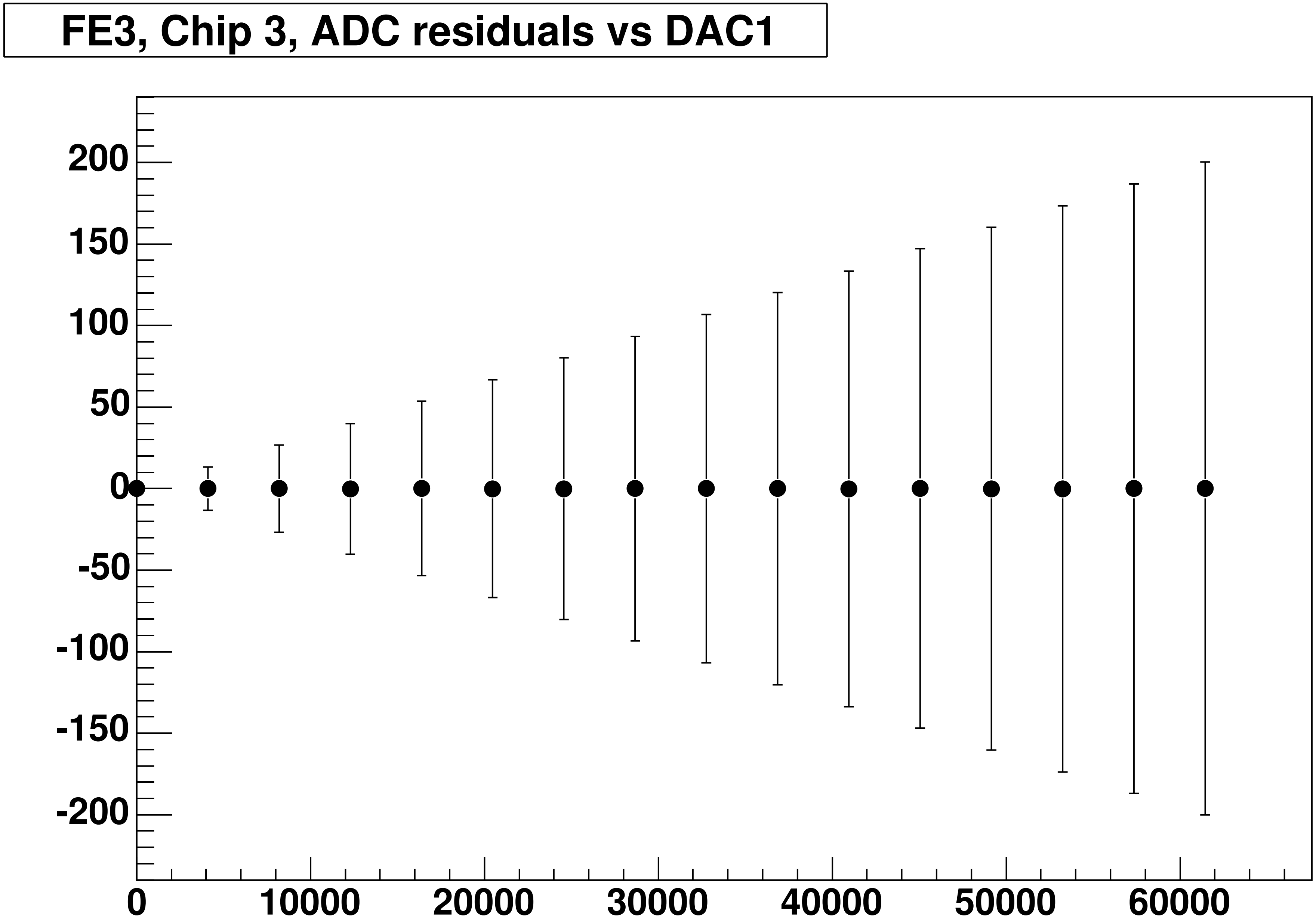

FE3, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

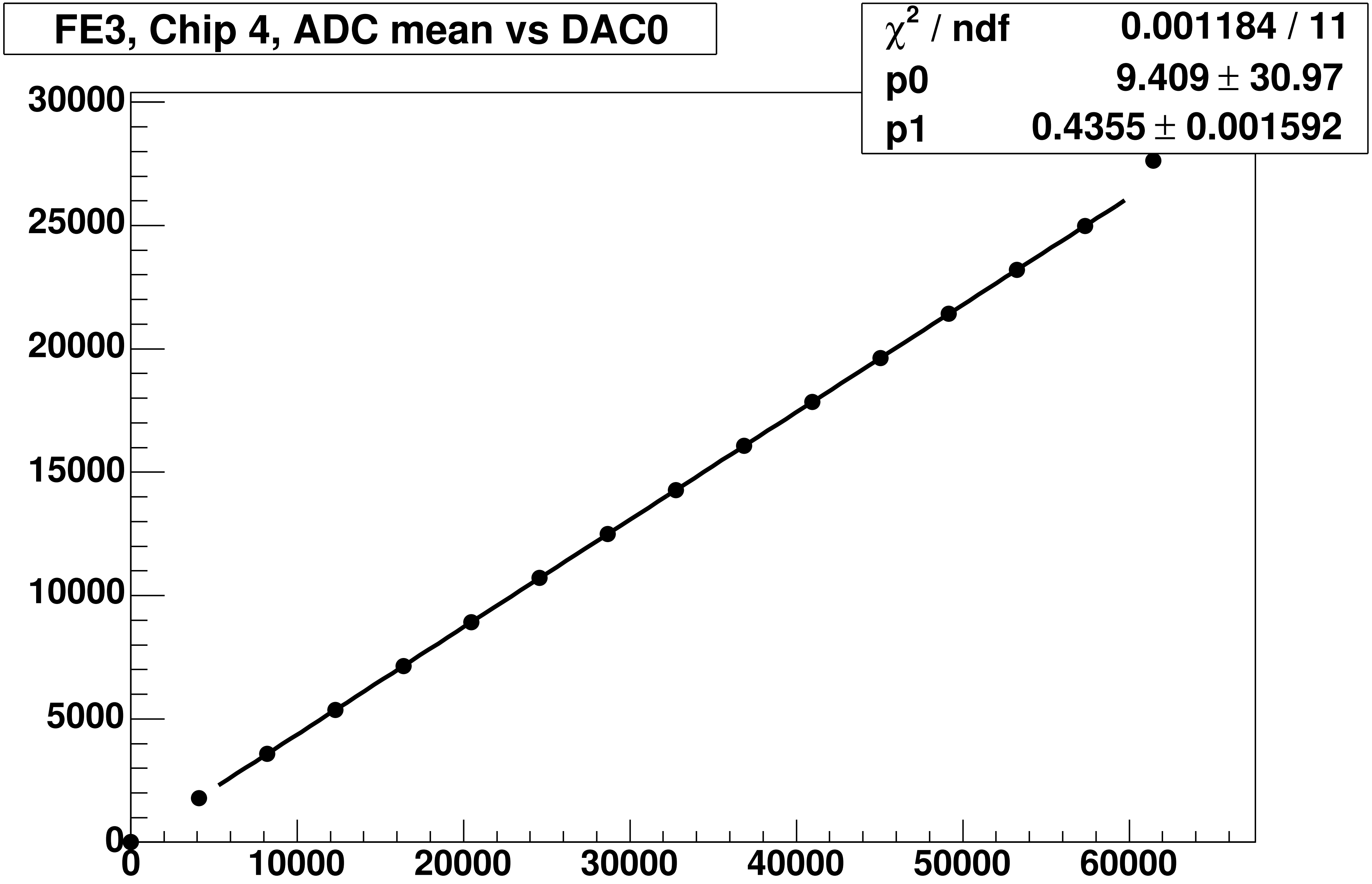

FE3, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

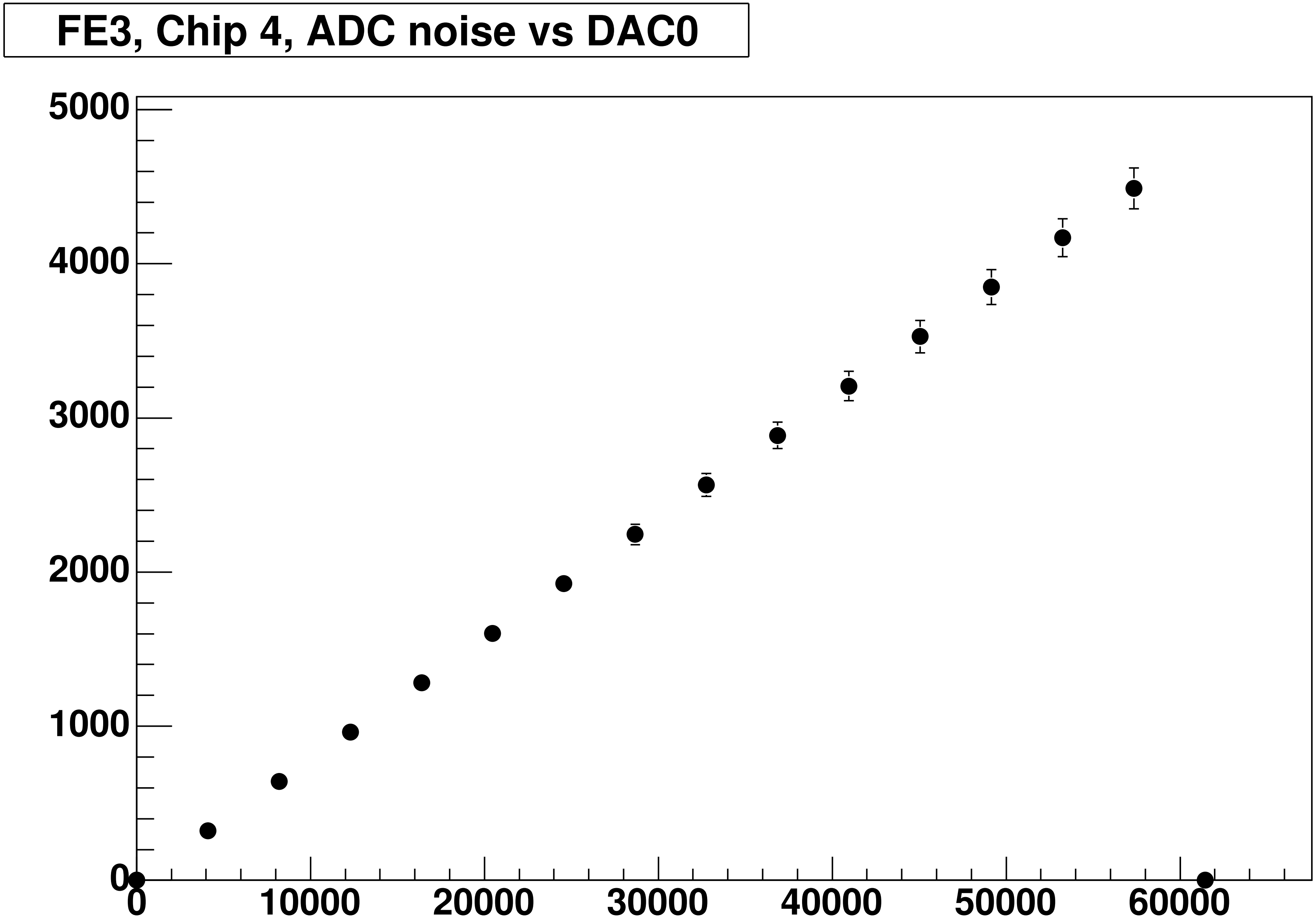


FE3, Chip 3, ADC mean vs DAC1
χ2 / ndf 1.255e-05 / 11
p0 14.67 ± 30.96
p1 0.01404 ± 0.001591
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

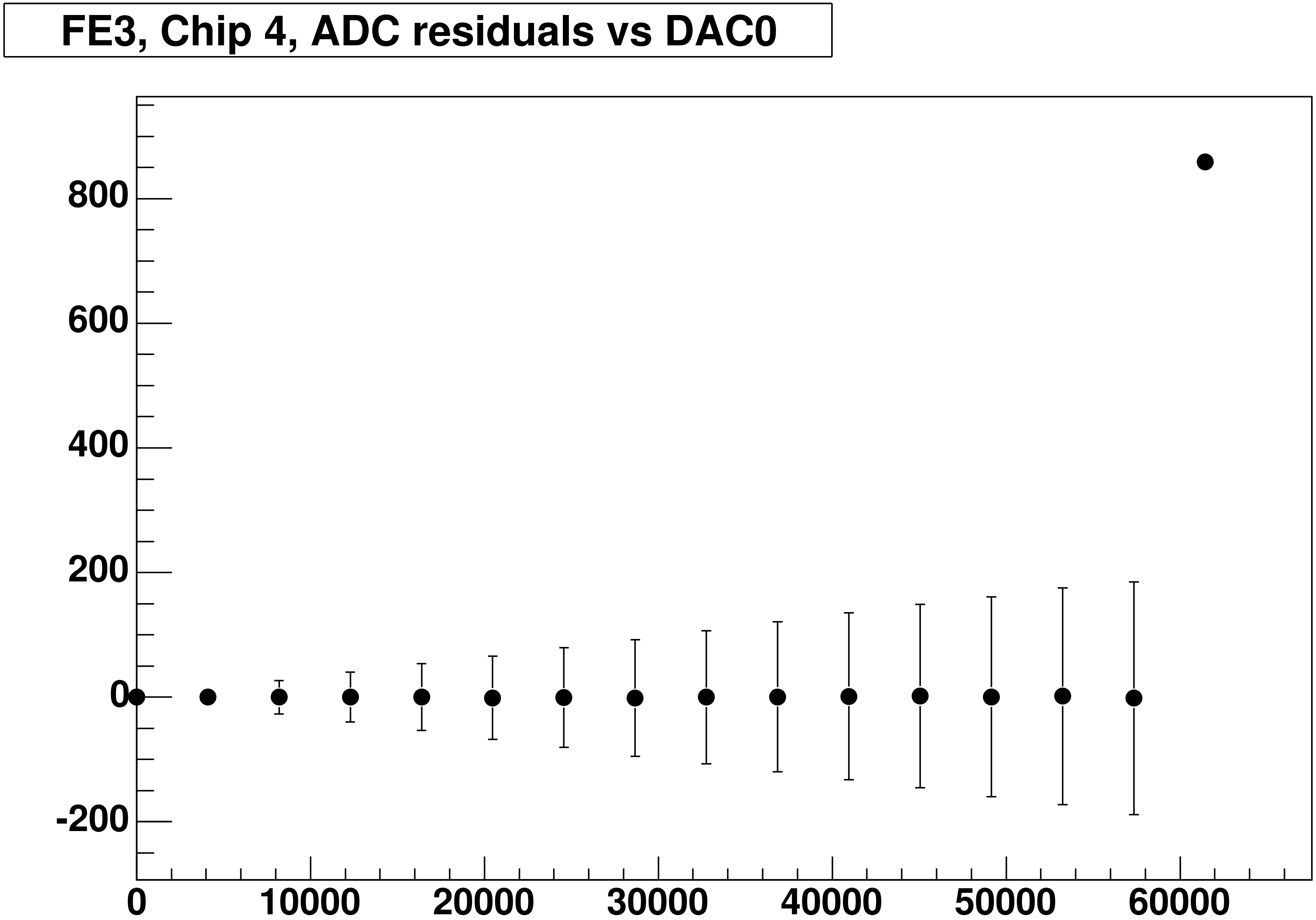

FE3, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

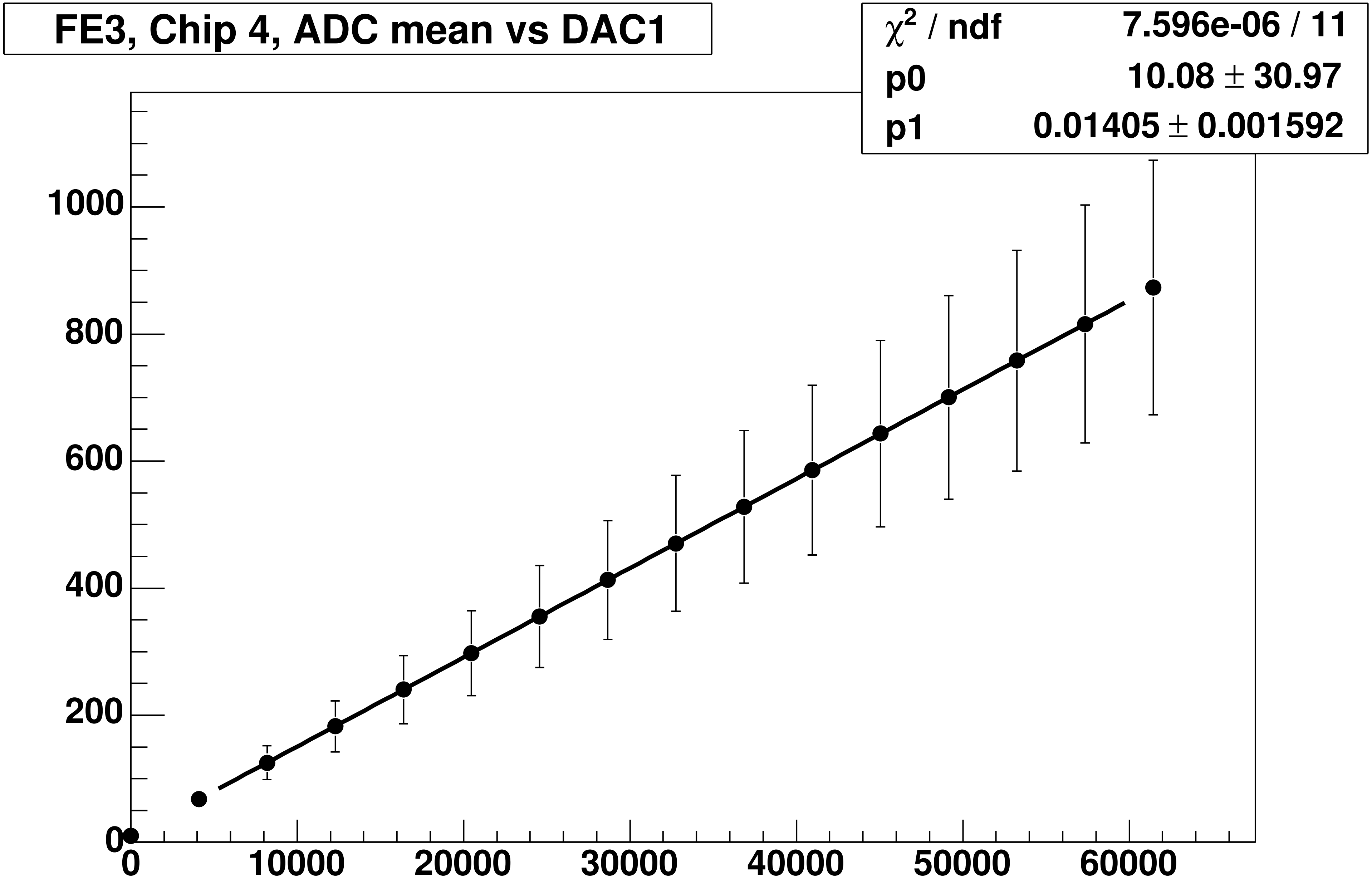

FE3, Chip 4, ADC mean vs DAC0
χ² / ndf 0.001184 / 11
p0 9.409 ± 30.97
p1 0.4355 ± 0.001592
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



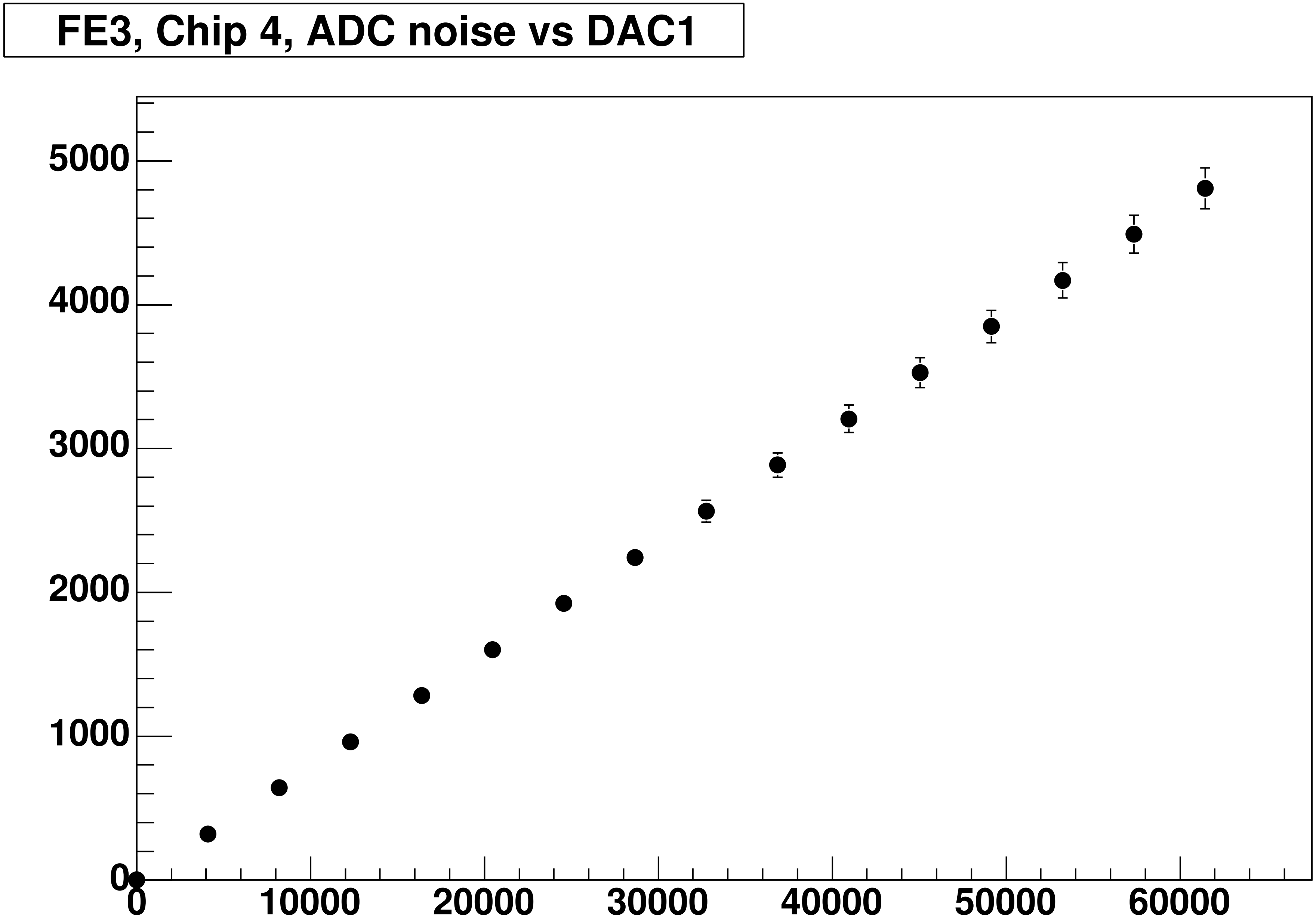
FE3, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

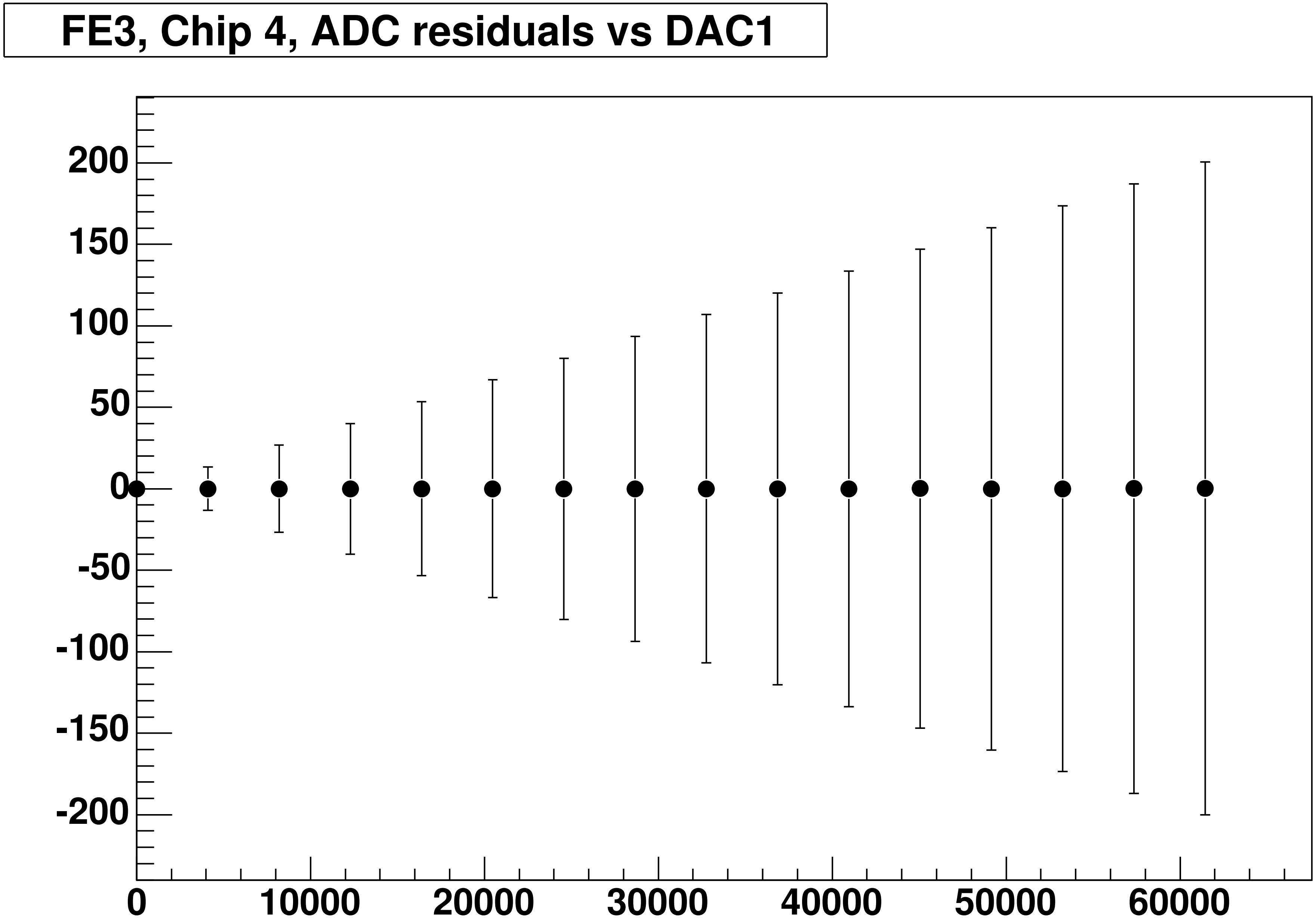


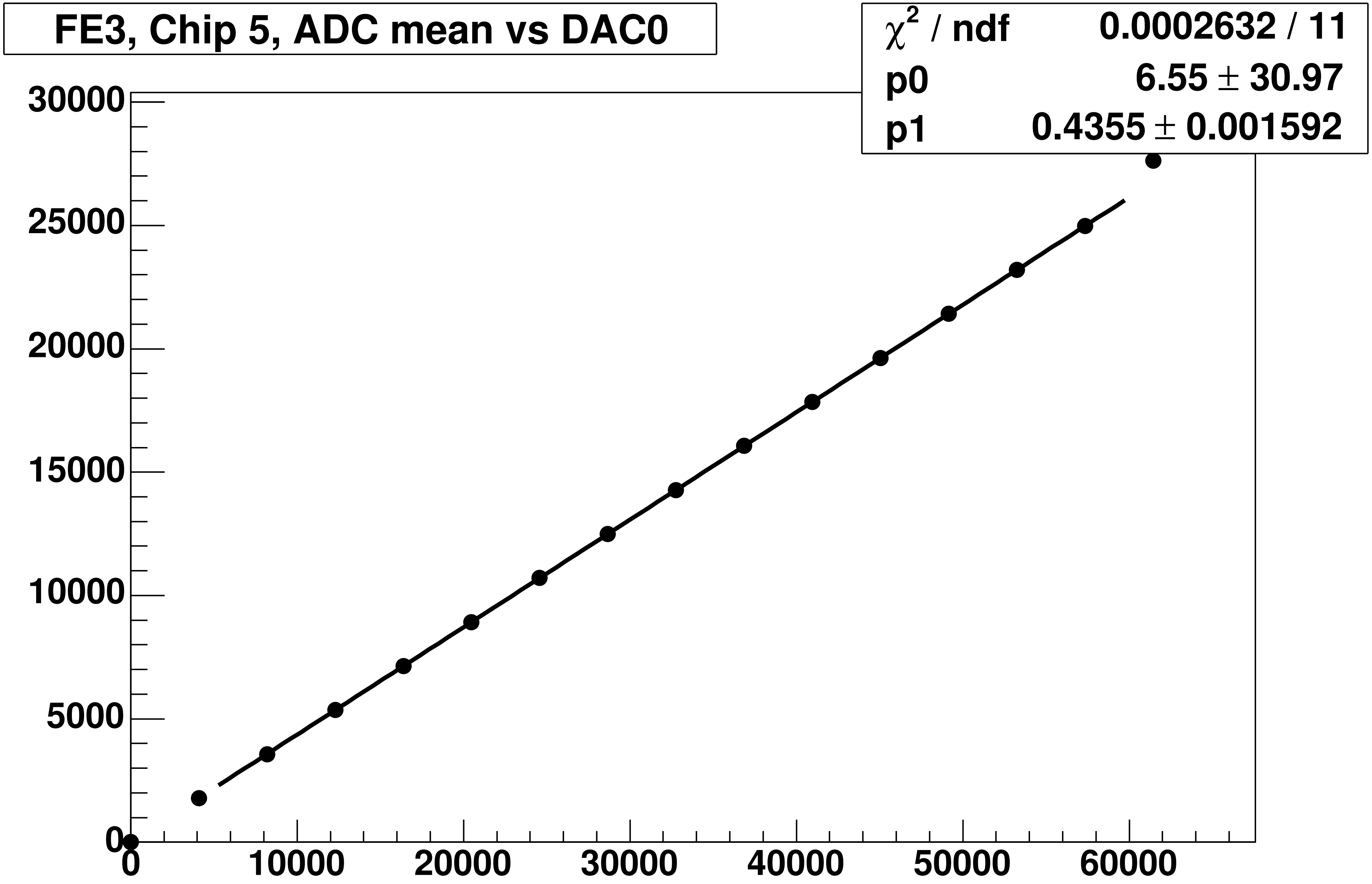
FE3, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



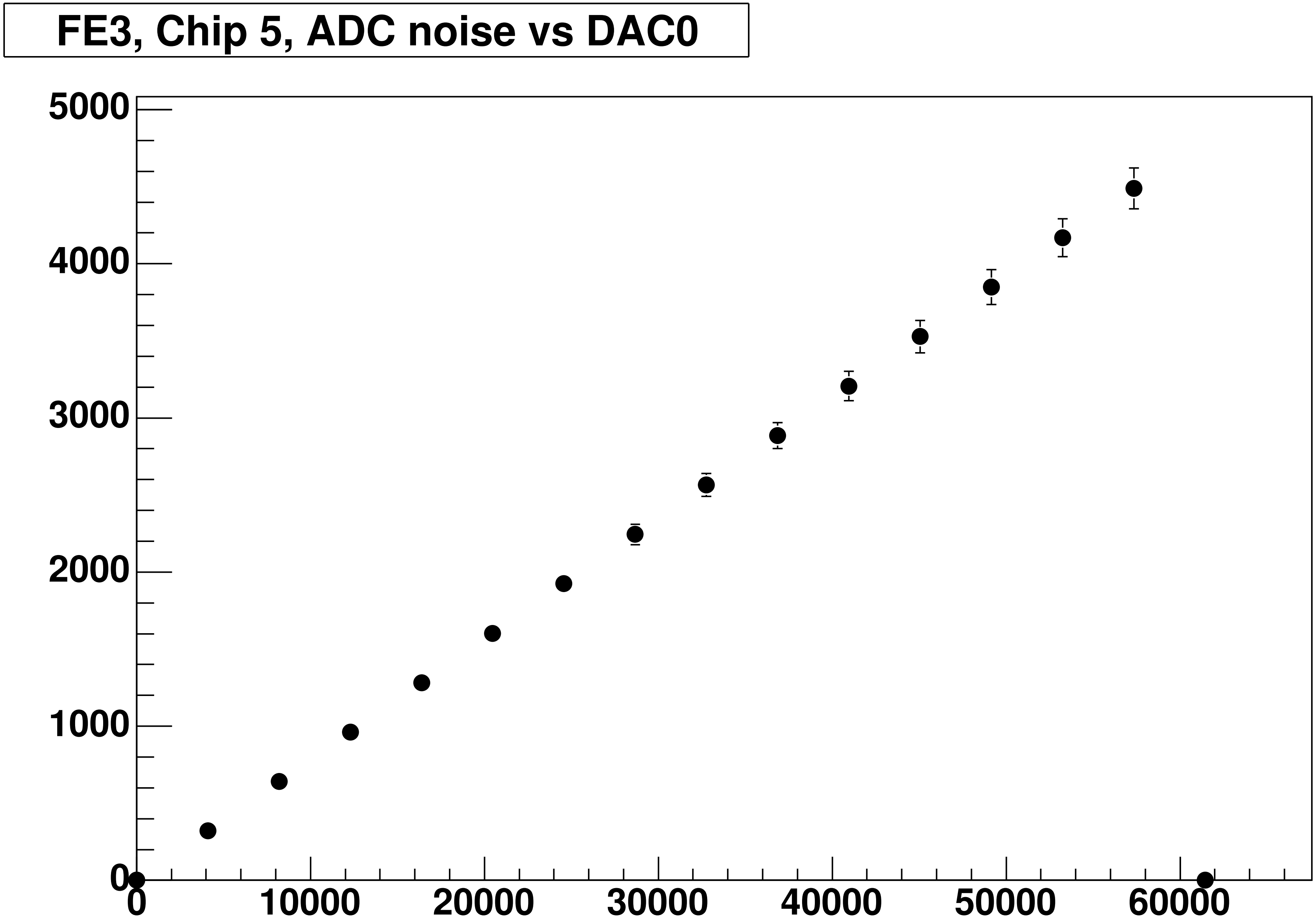
FE3, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7.596e-06 / 11
p0 10.08 ± 30.97
p1 0.01405 ± 0.001592
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

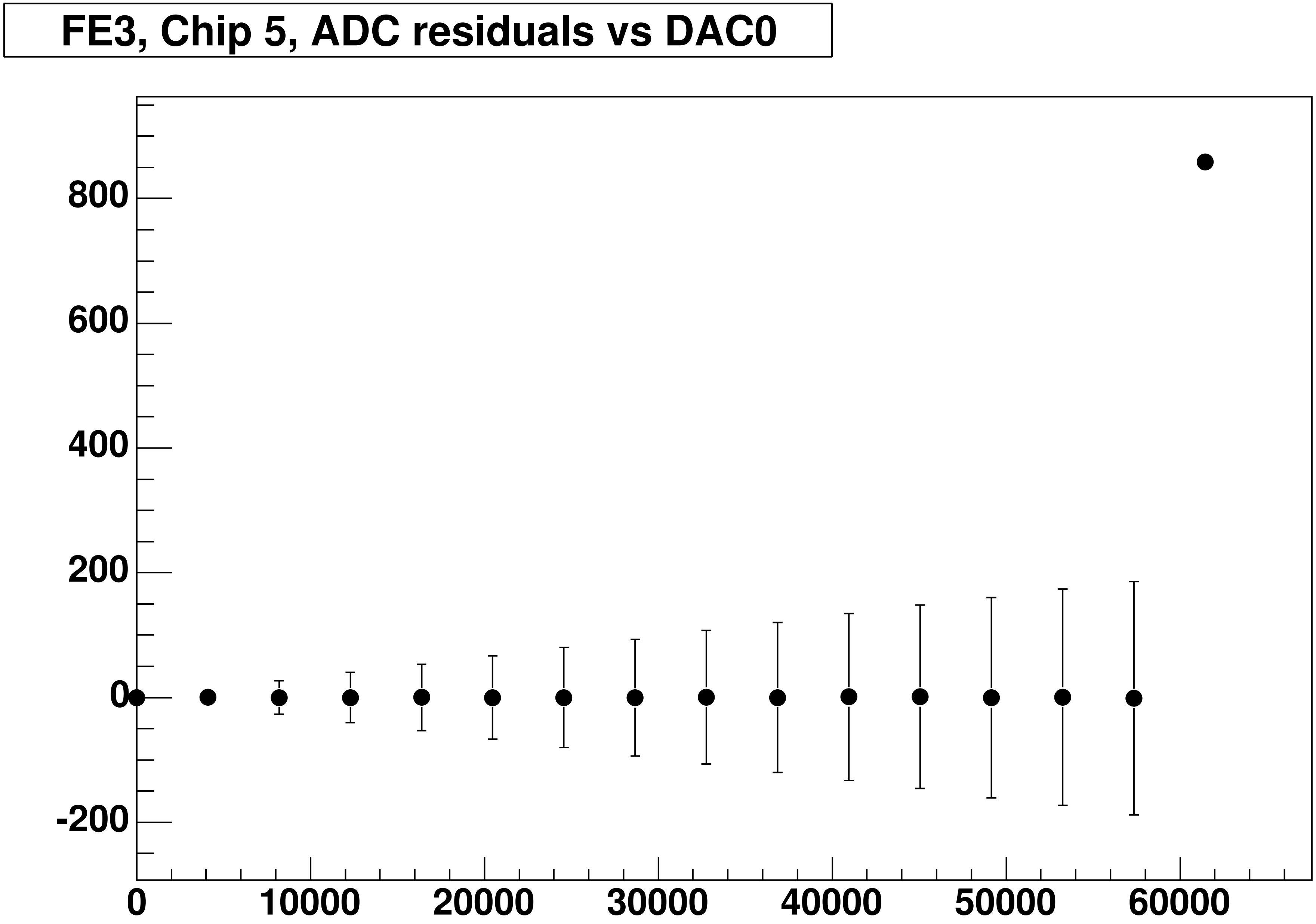

FE3, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

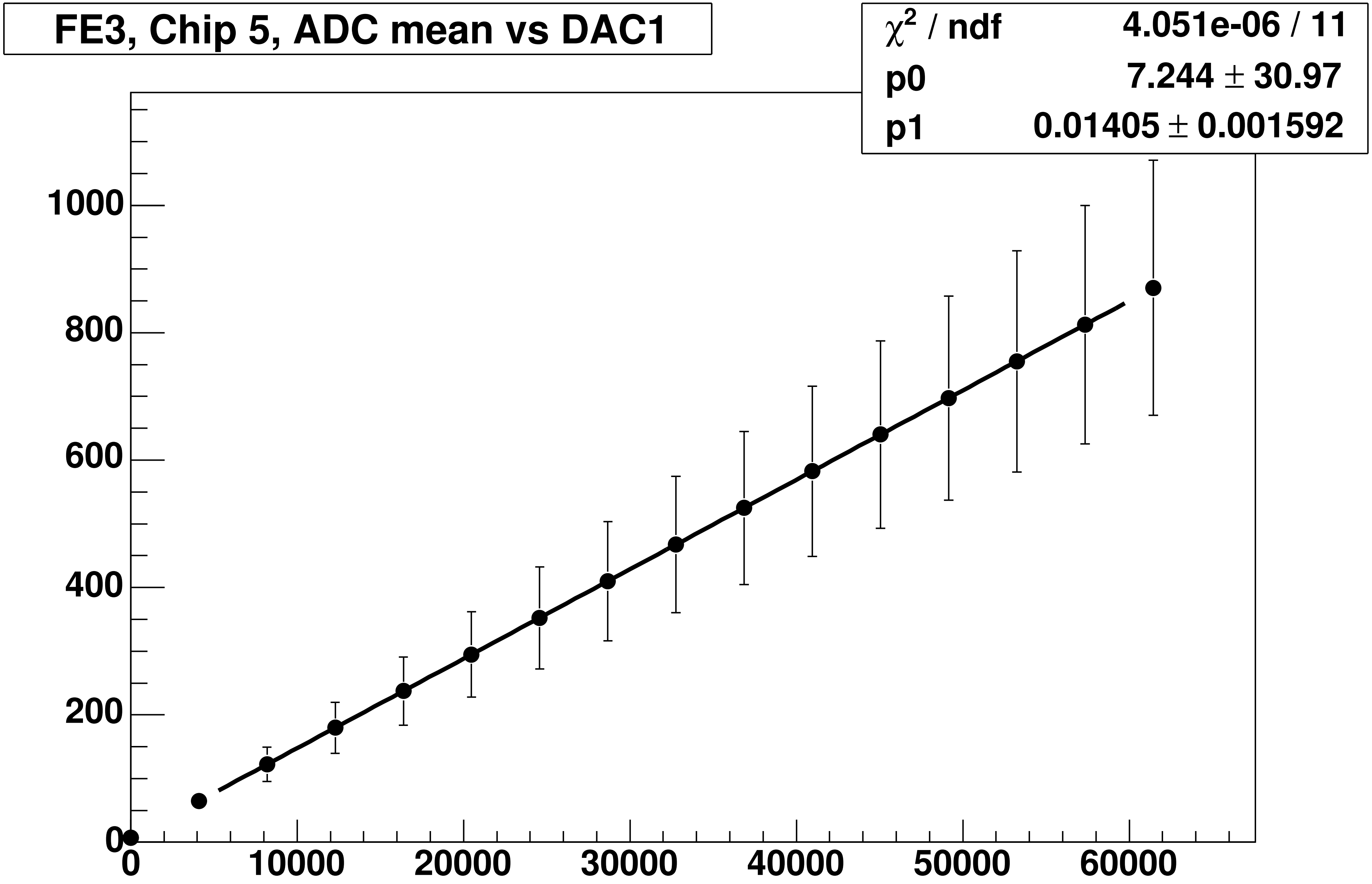

FE3, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

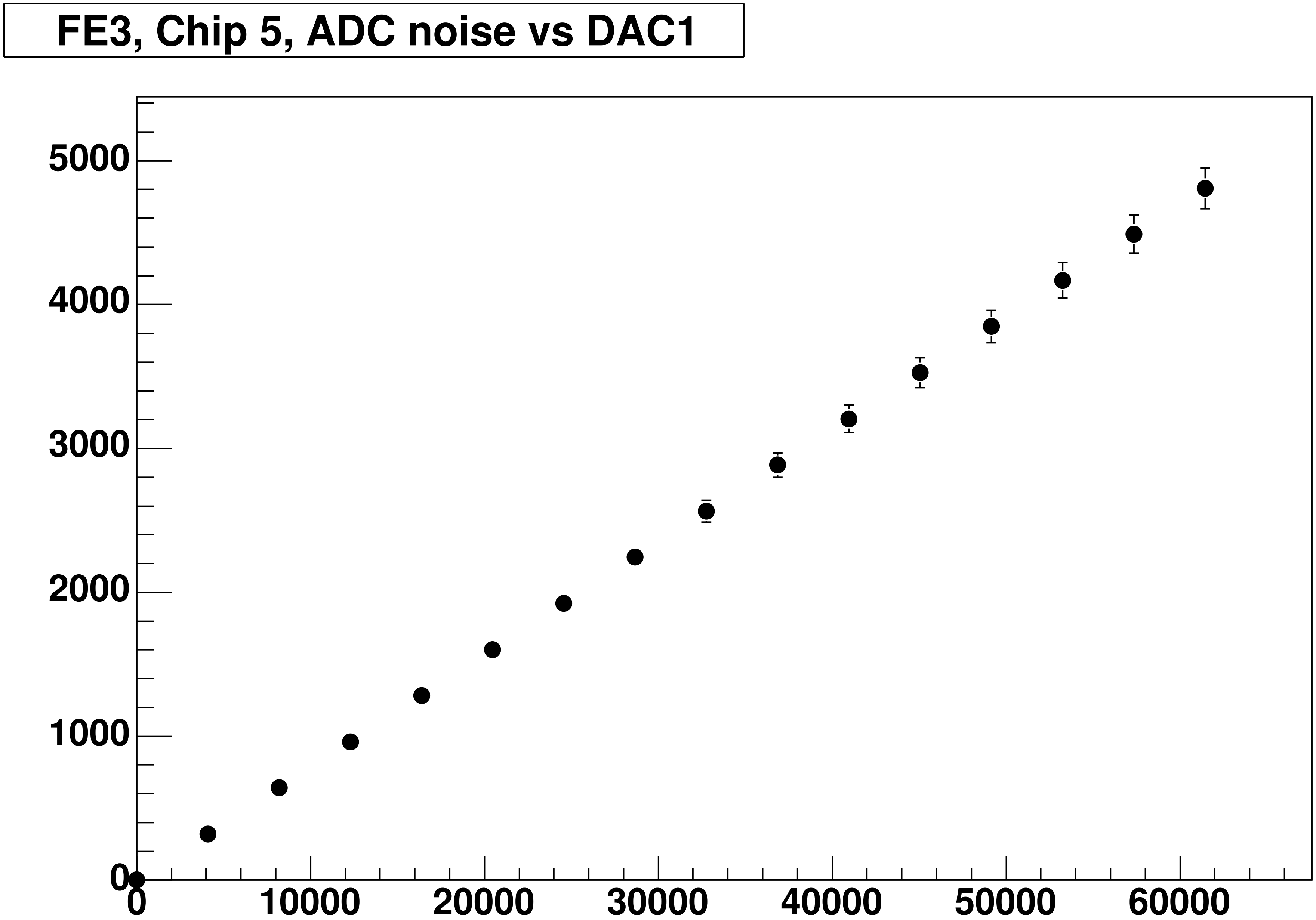


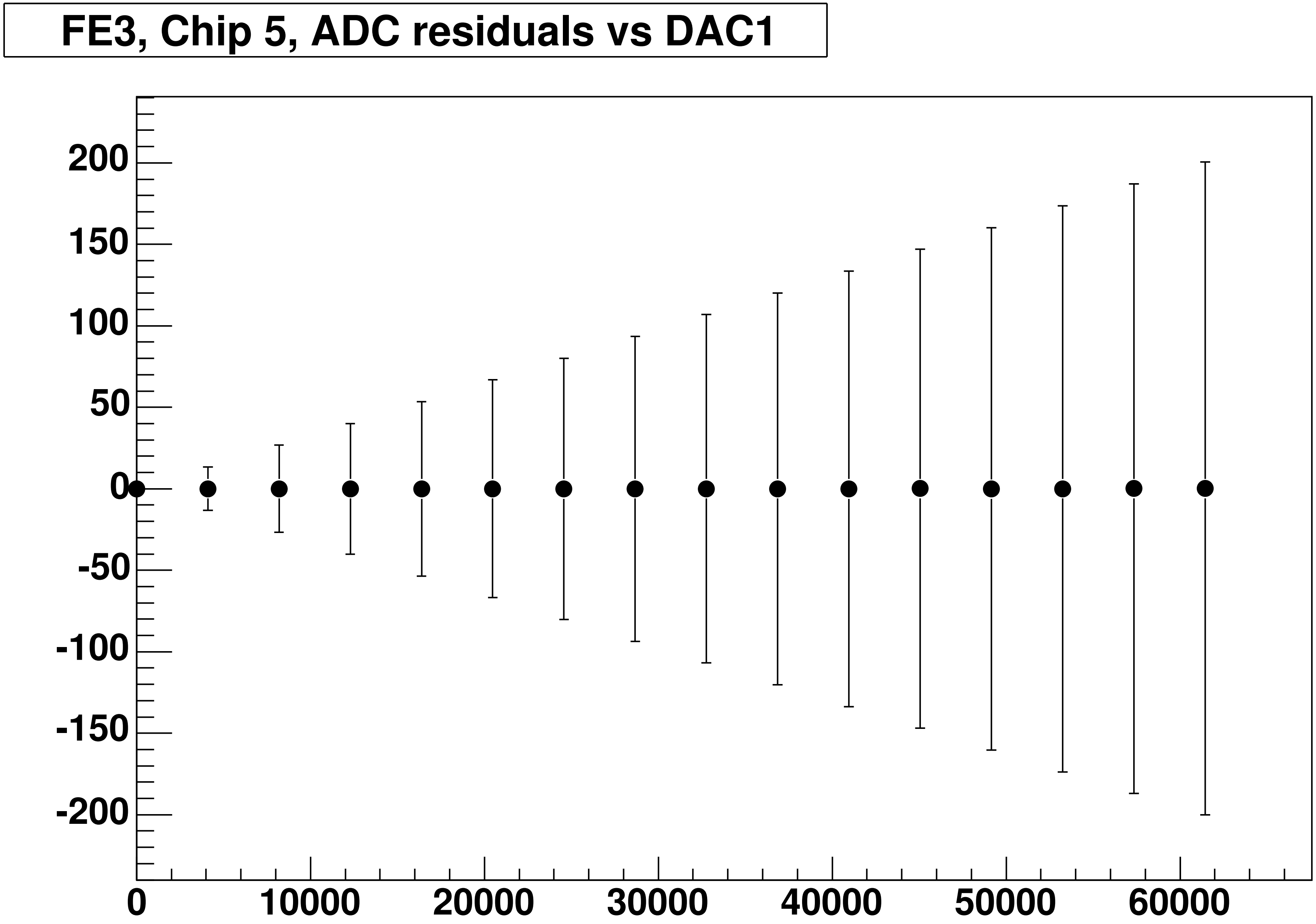
FE3, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0002632 / 11
p0 6.55 ± 30.97
p1 0.4355 ± 0.001592
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

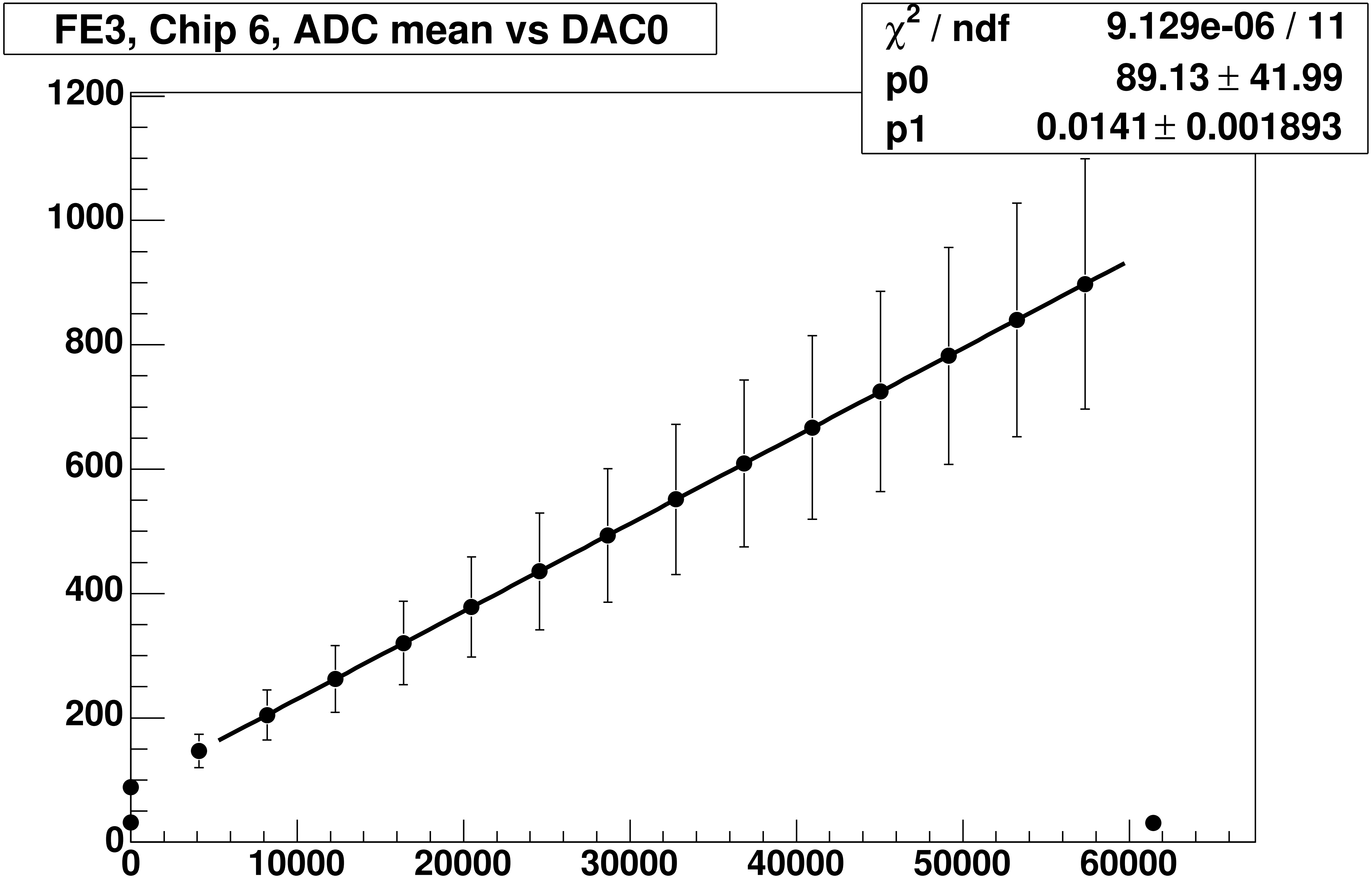

FE3, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

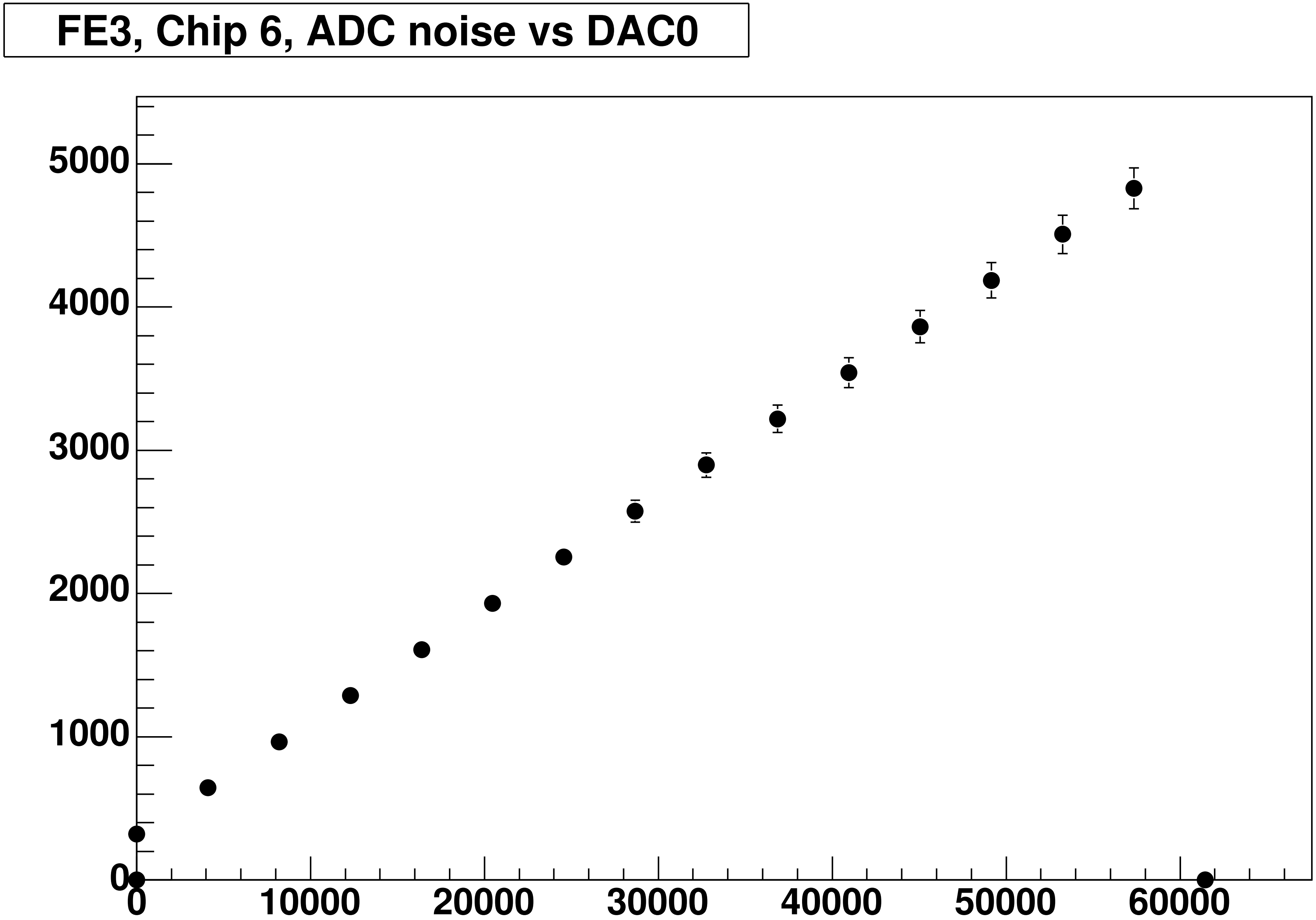

FE3, Chip 5, ADC mean vs DAC1
χ^2 / ndf 4.051e-06 / 11
p0 7.244 ± 30.97
p1 0.01405 ± 0.001592
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

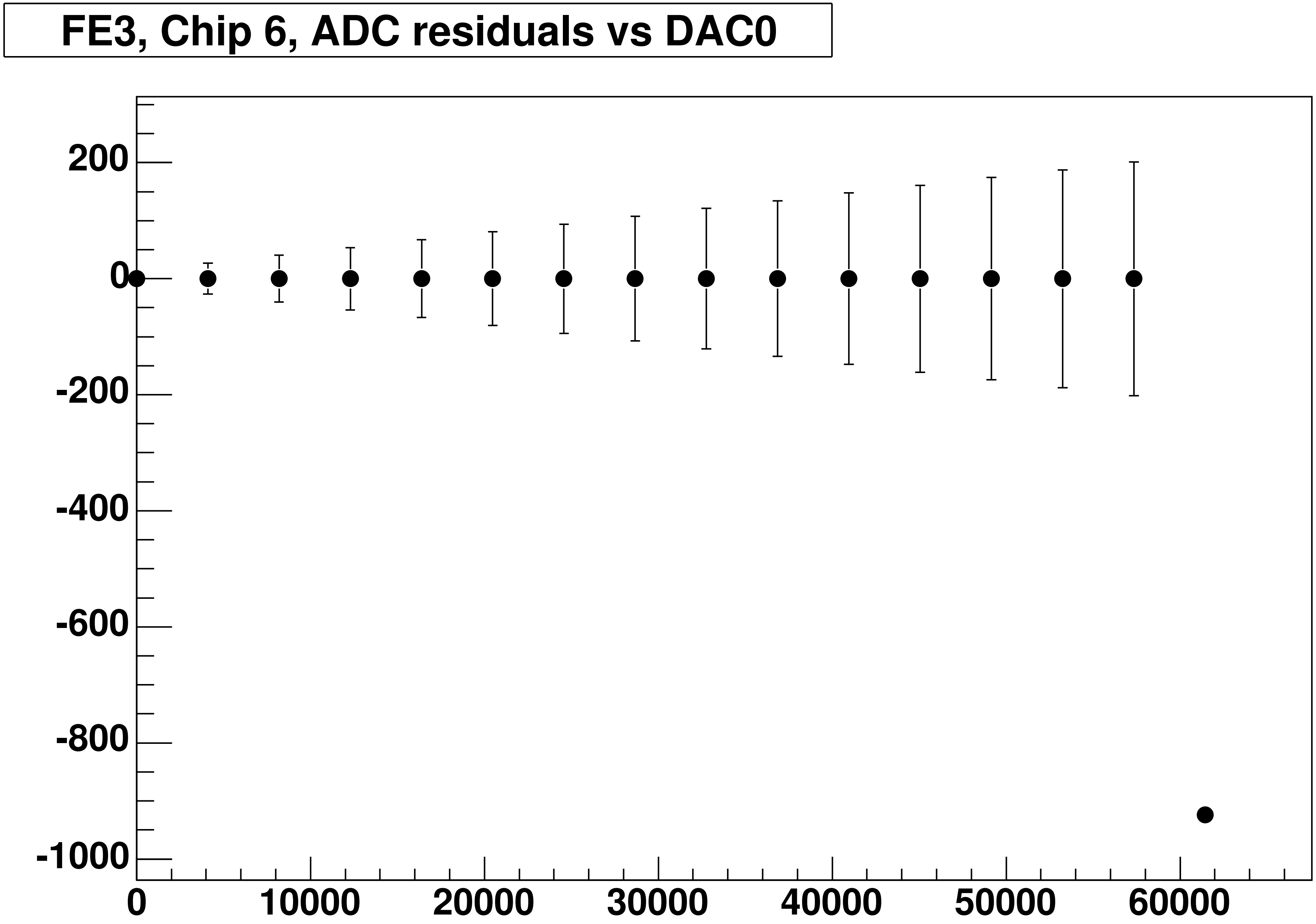

FE3, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

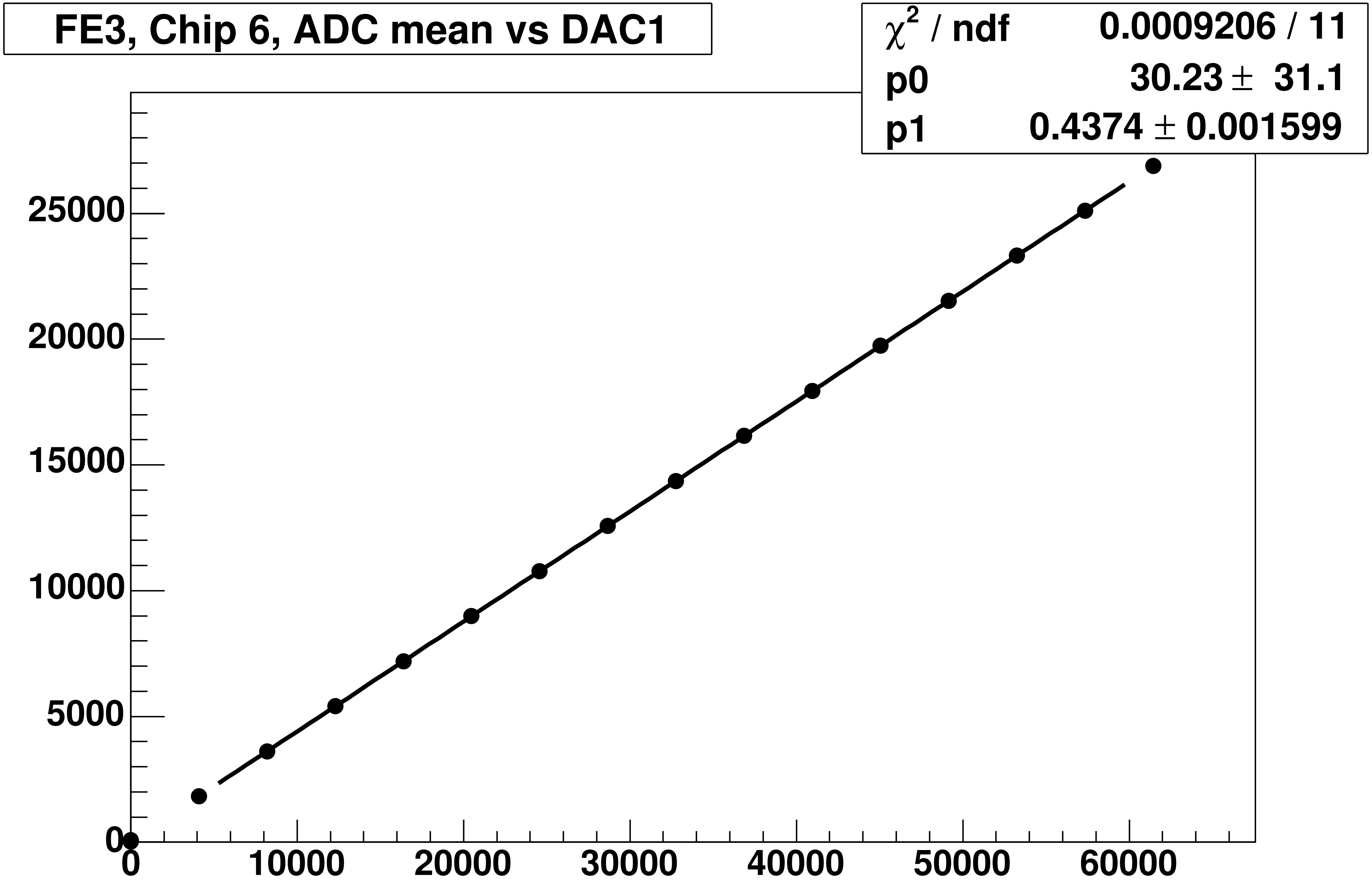


FE3, Chip 6, ADC mean vs DAC0
χ2 / ndf 9.129e-06 / 11
p0 89.13 ± 41.99
p1 0.0141 ± 0.001893
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

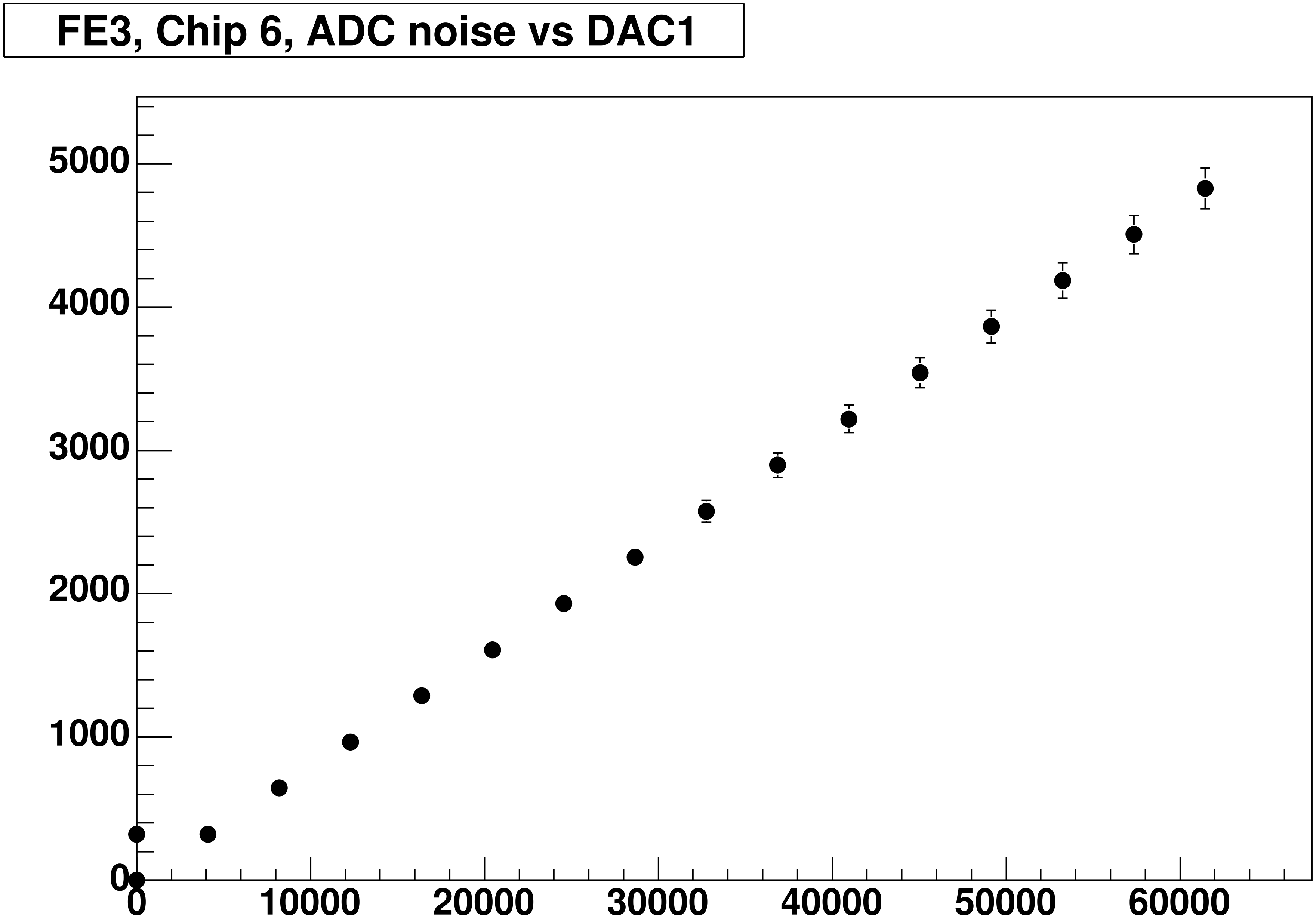

FE3, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

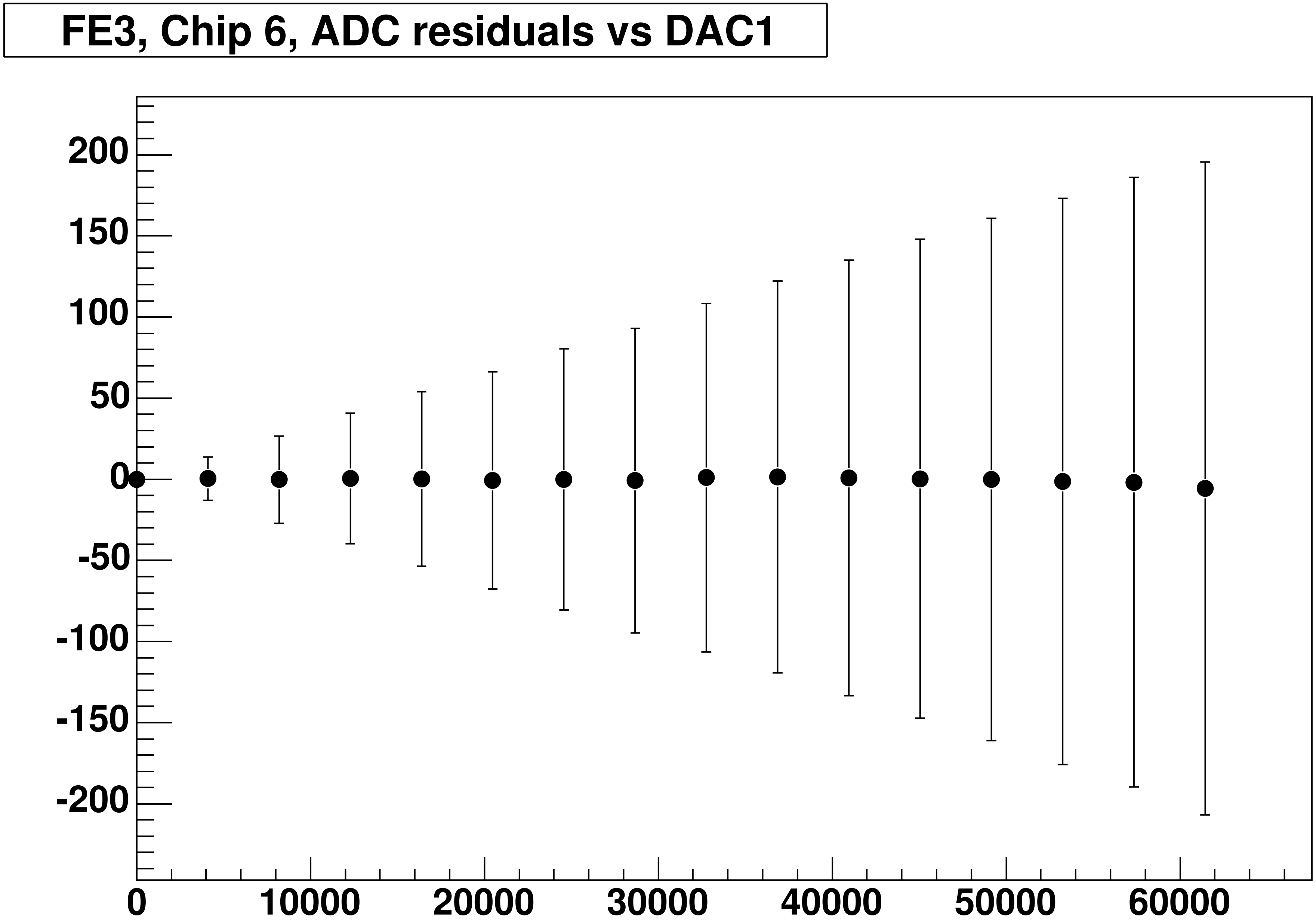


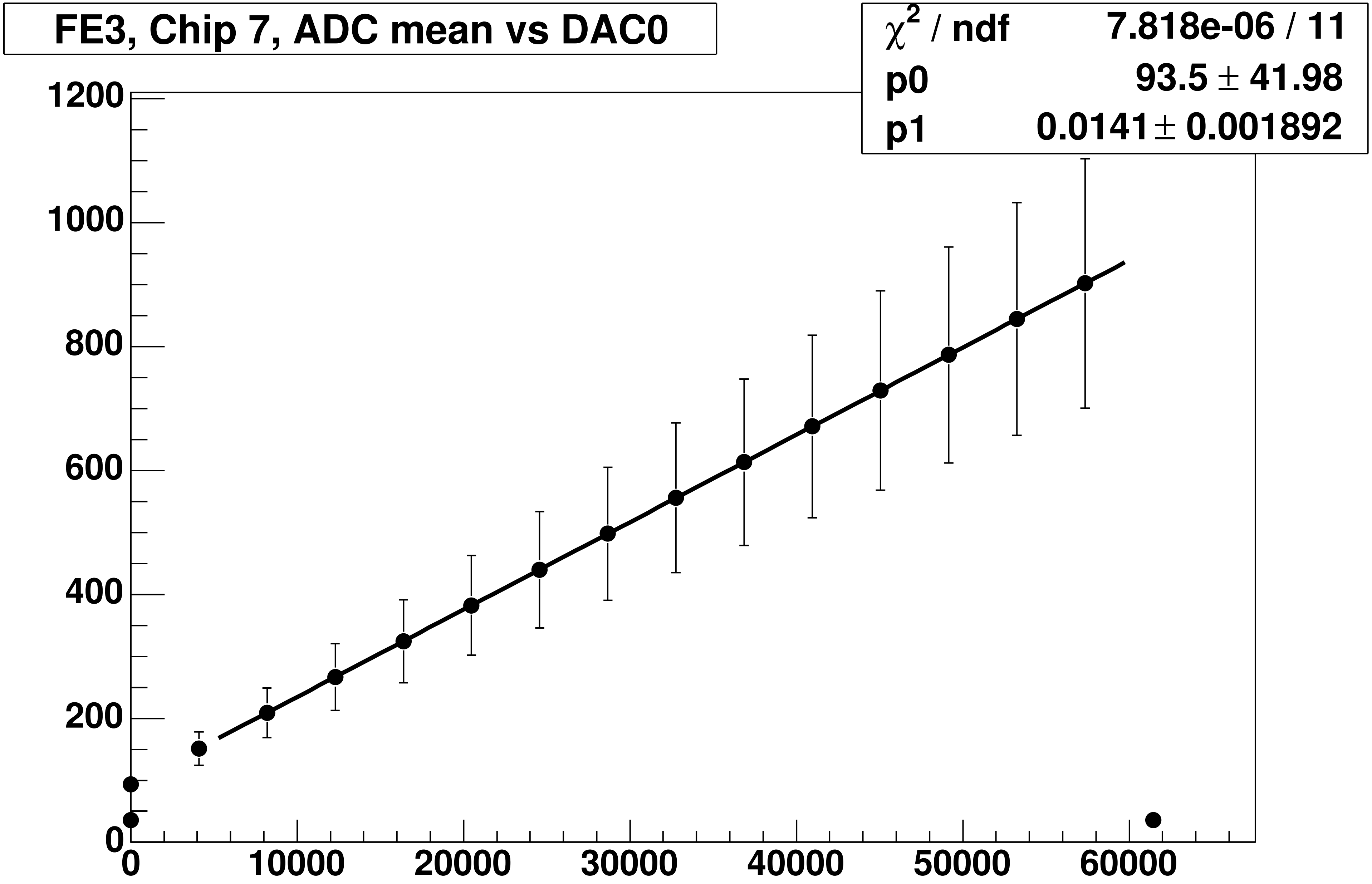
FE3, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



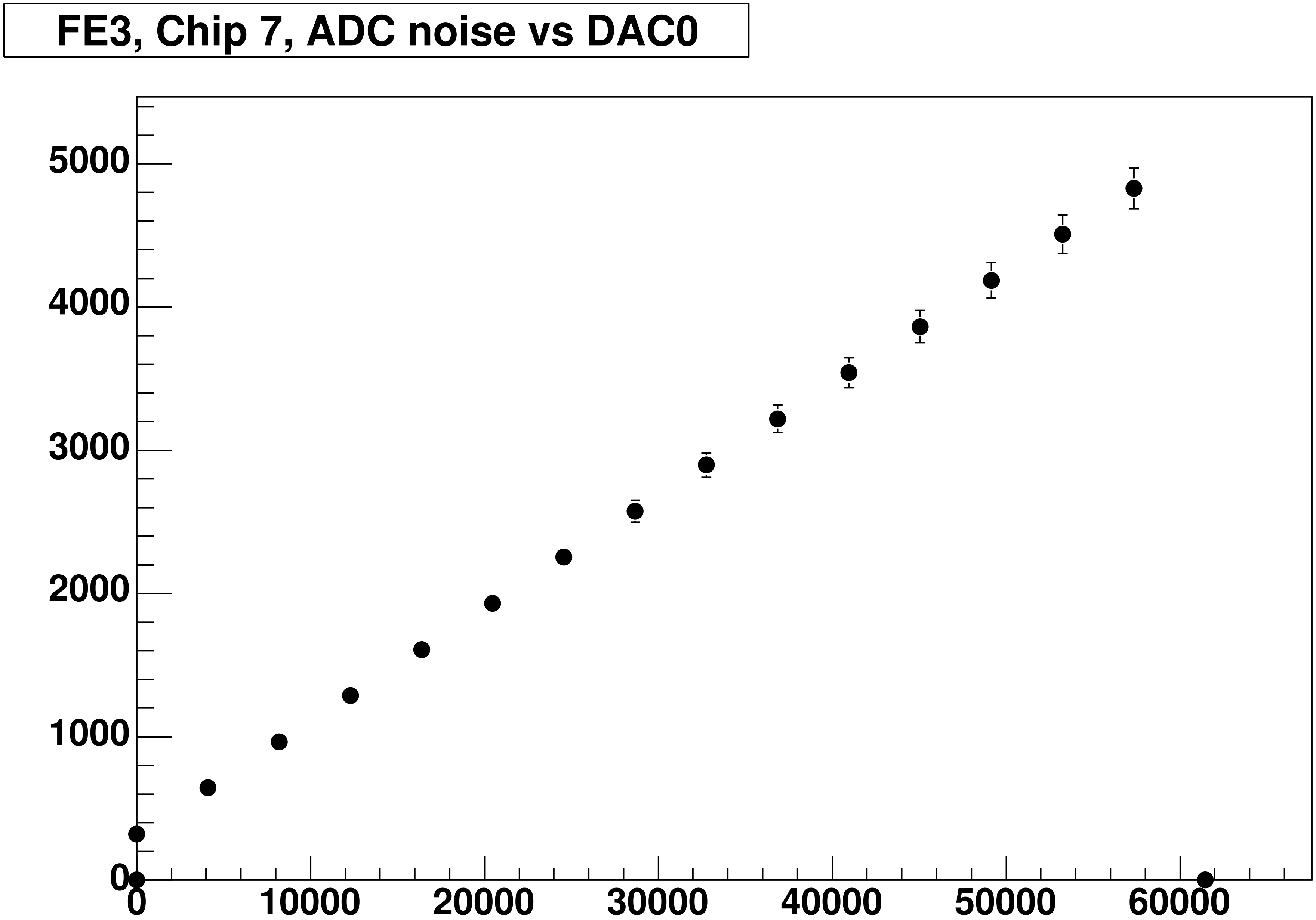
FE3, Chip 6, ADC mean vs DAC1
χ² / ndf 0.0009206 / 11
p0 30.23 ± 31.1
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

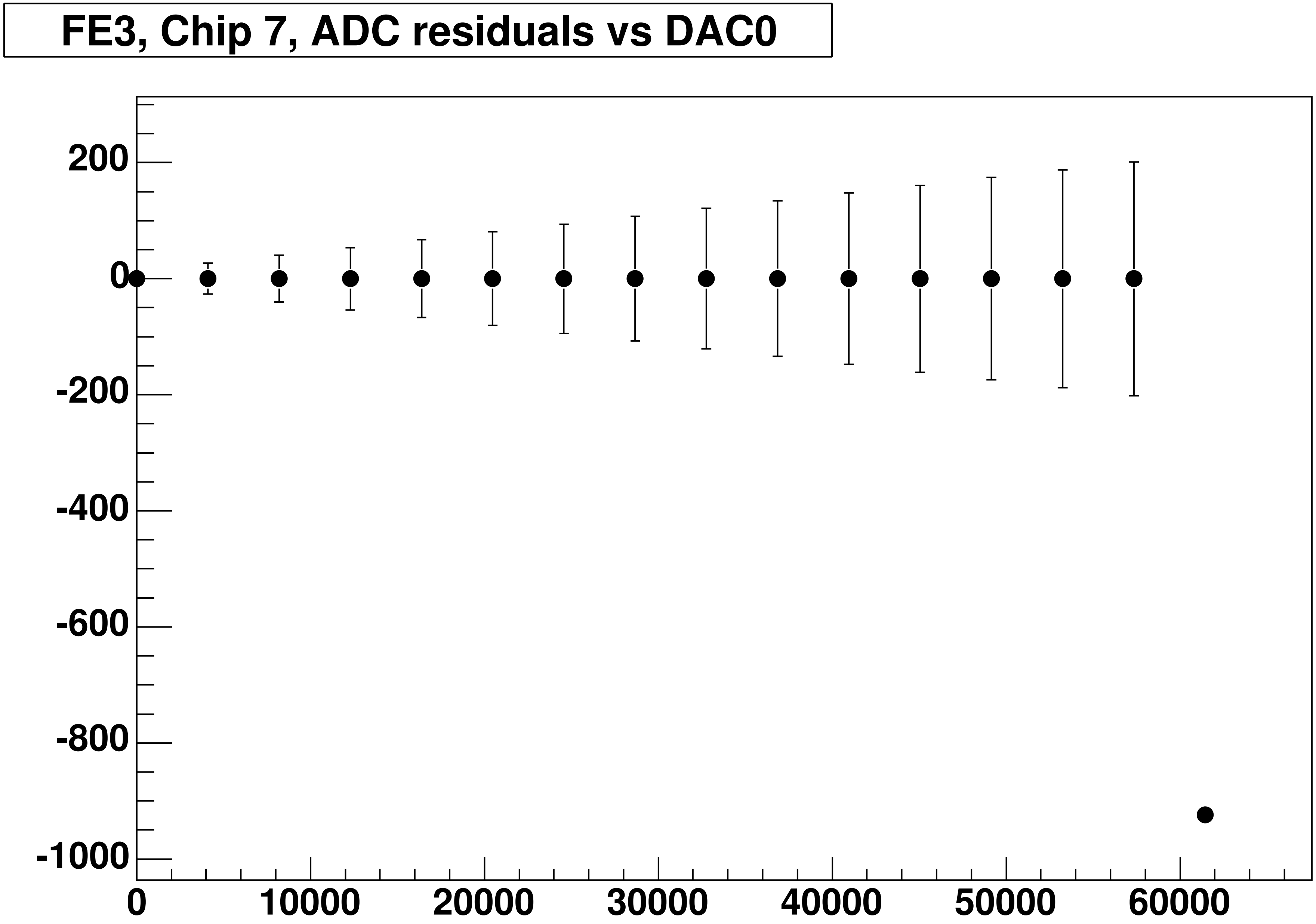

FE3, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

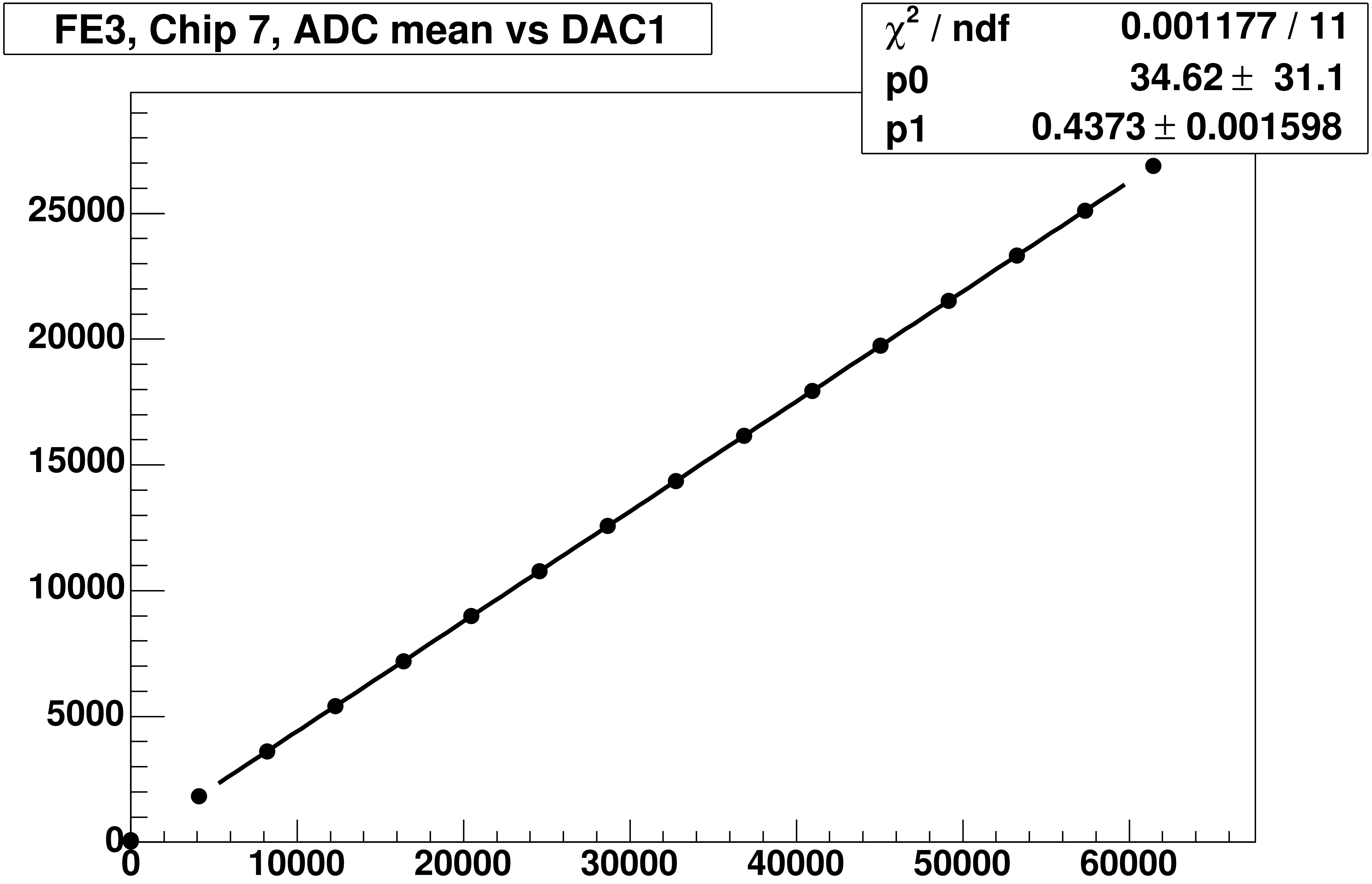


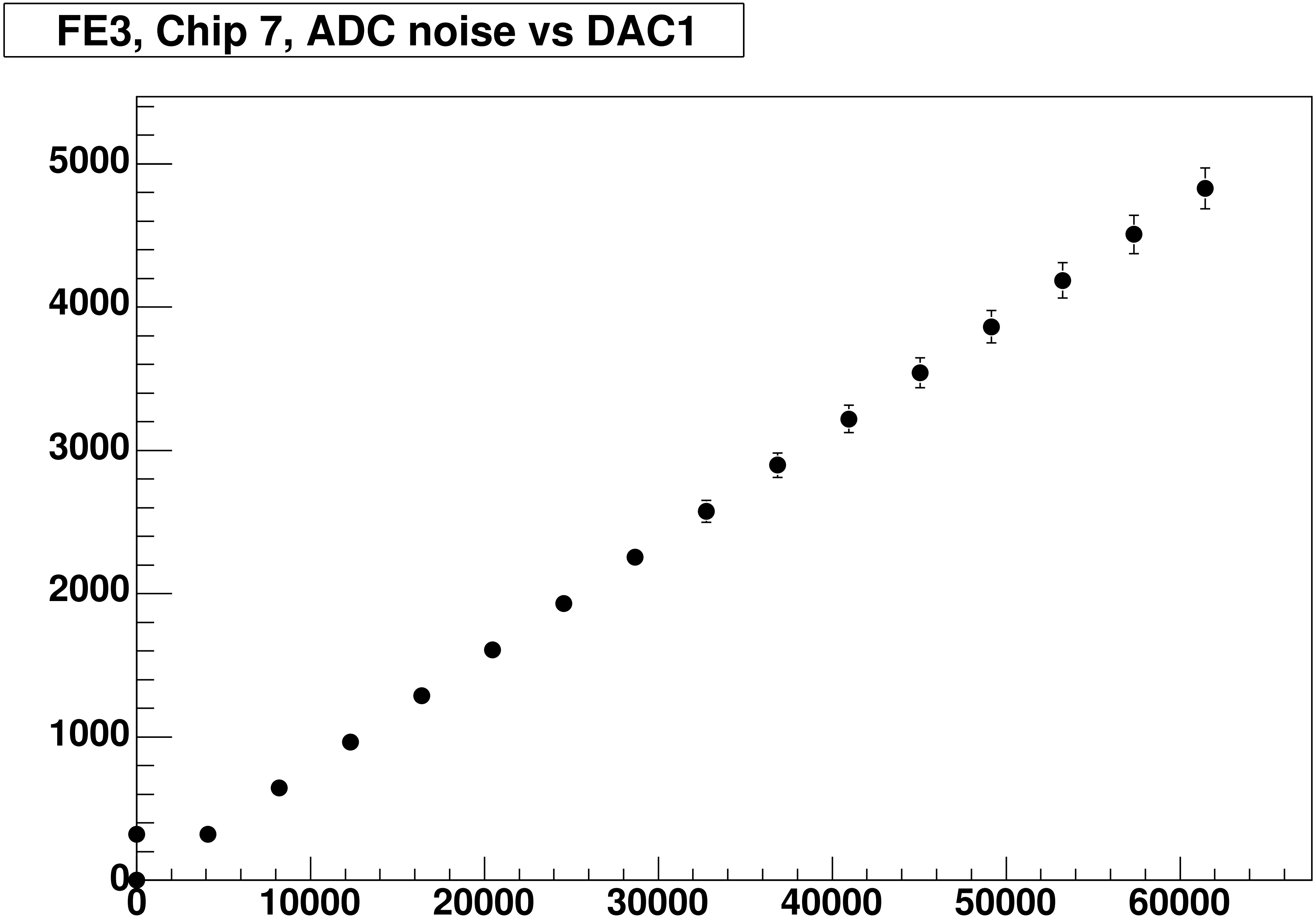
FE3, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7.818e-06 / 11
p0 93.5 ± 41.98
p1 0.0141 ± 0.001892
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

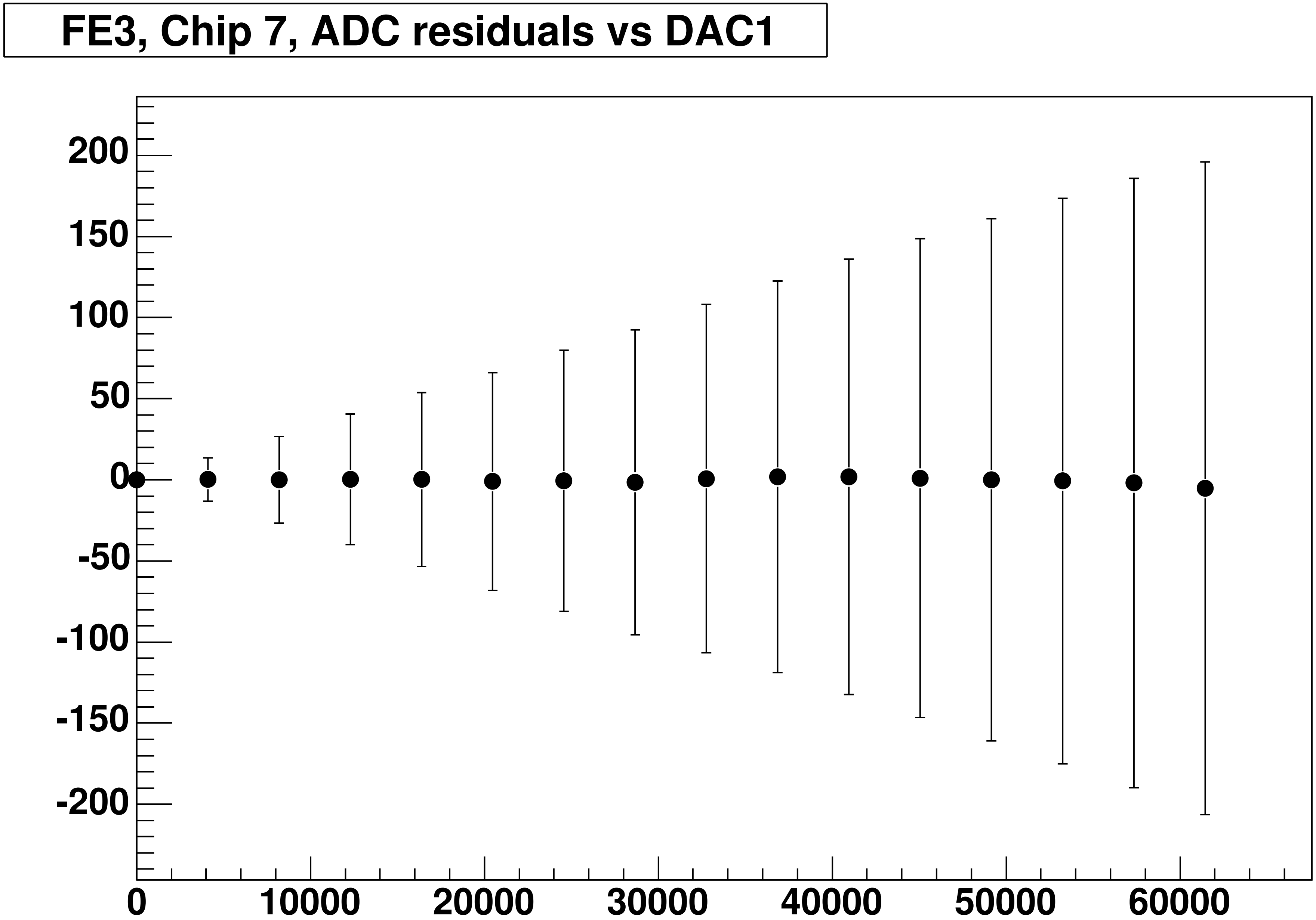


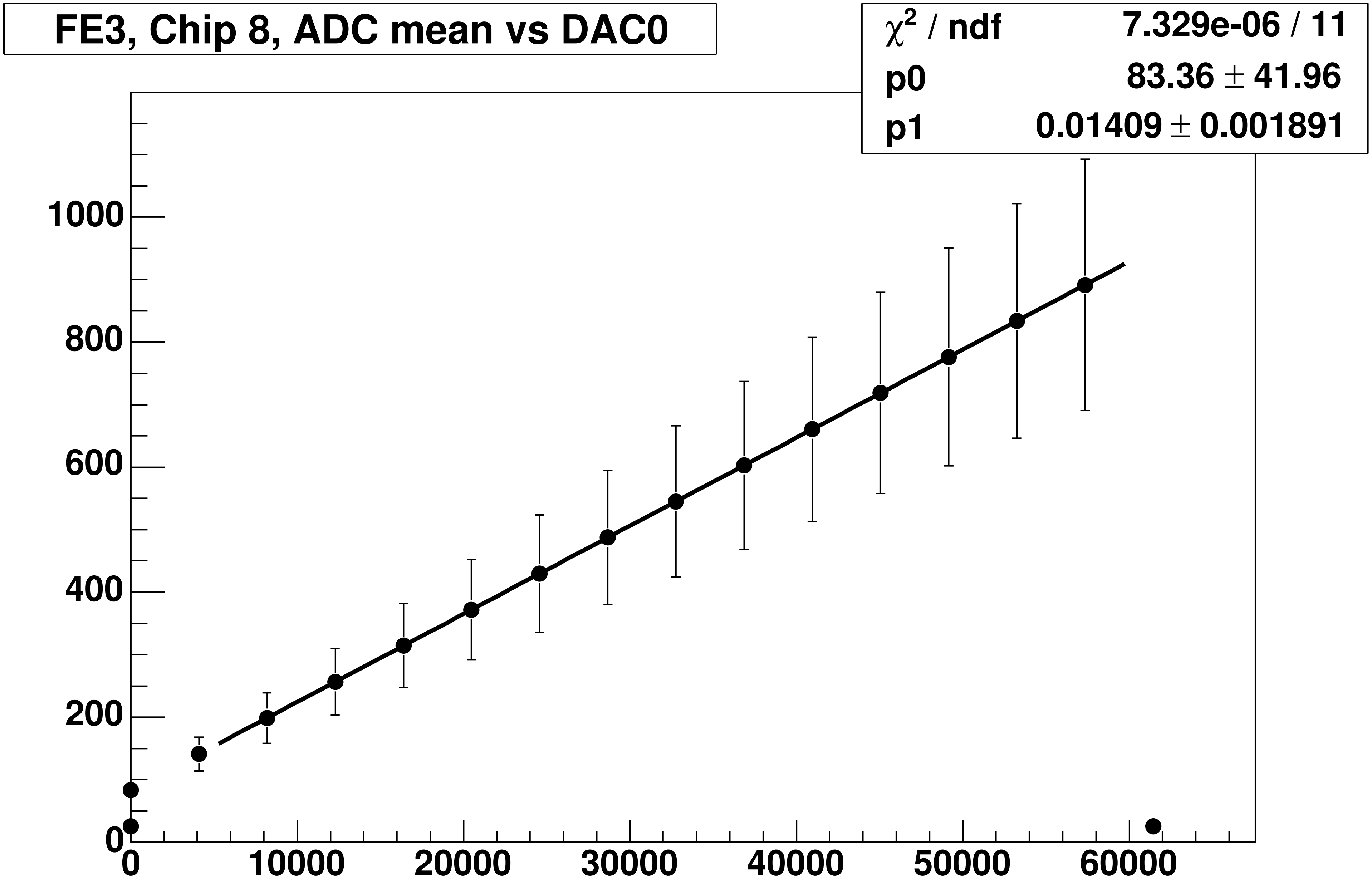
FE3, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

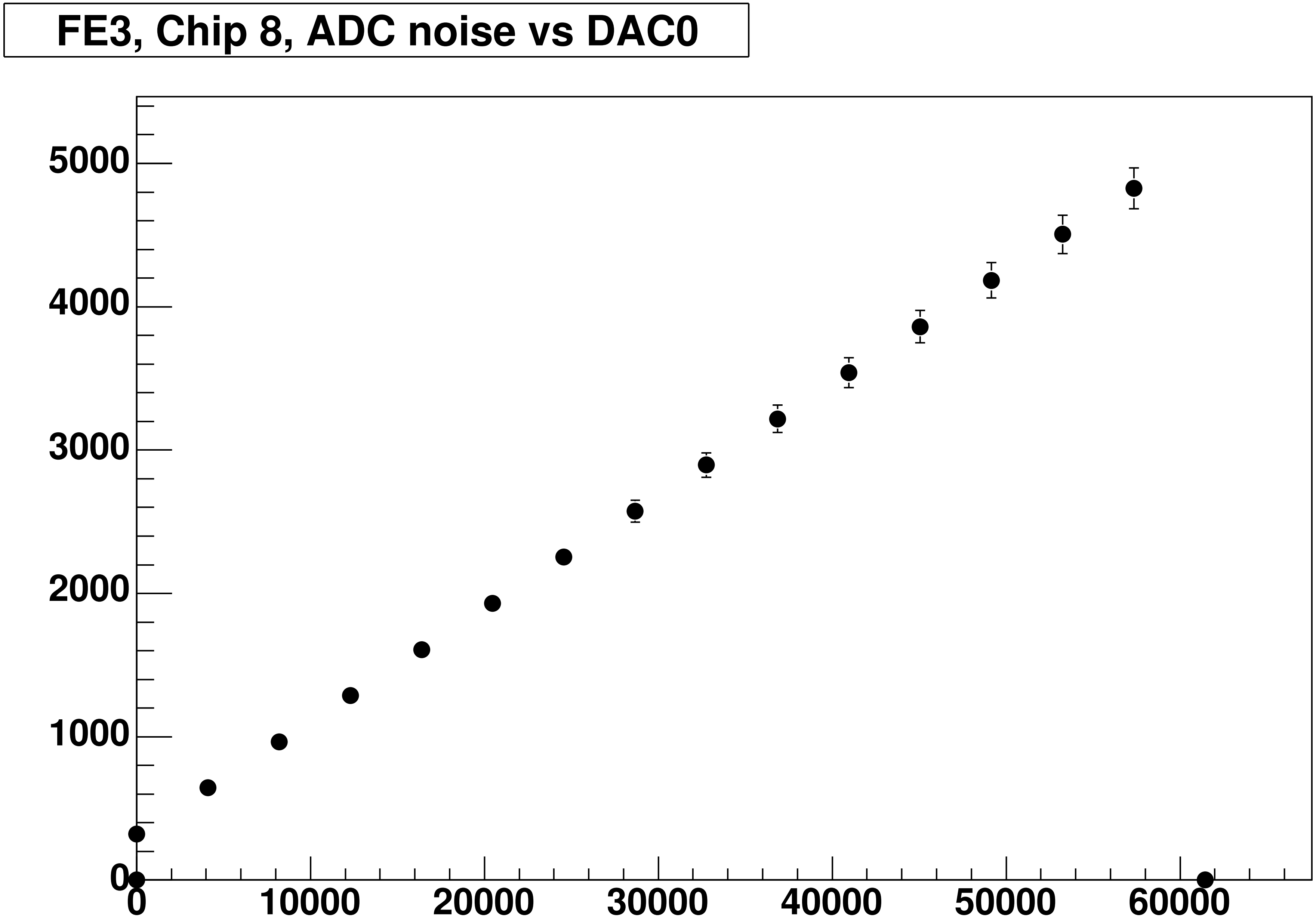

FE3, Chip 7, ADC mean vs DAC1
χ2 / ndf 0.001177 / 11
p0 34.62 ± 31.1
p1 0.4373 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE3, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

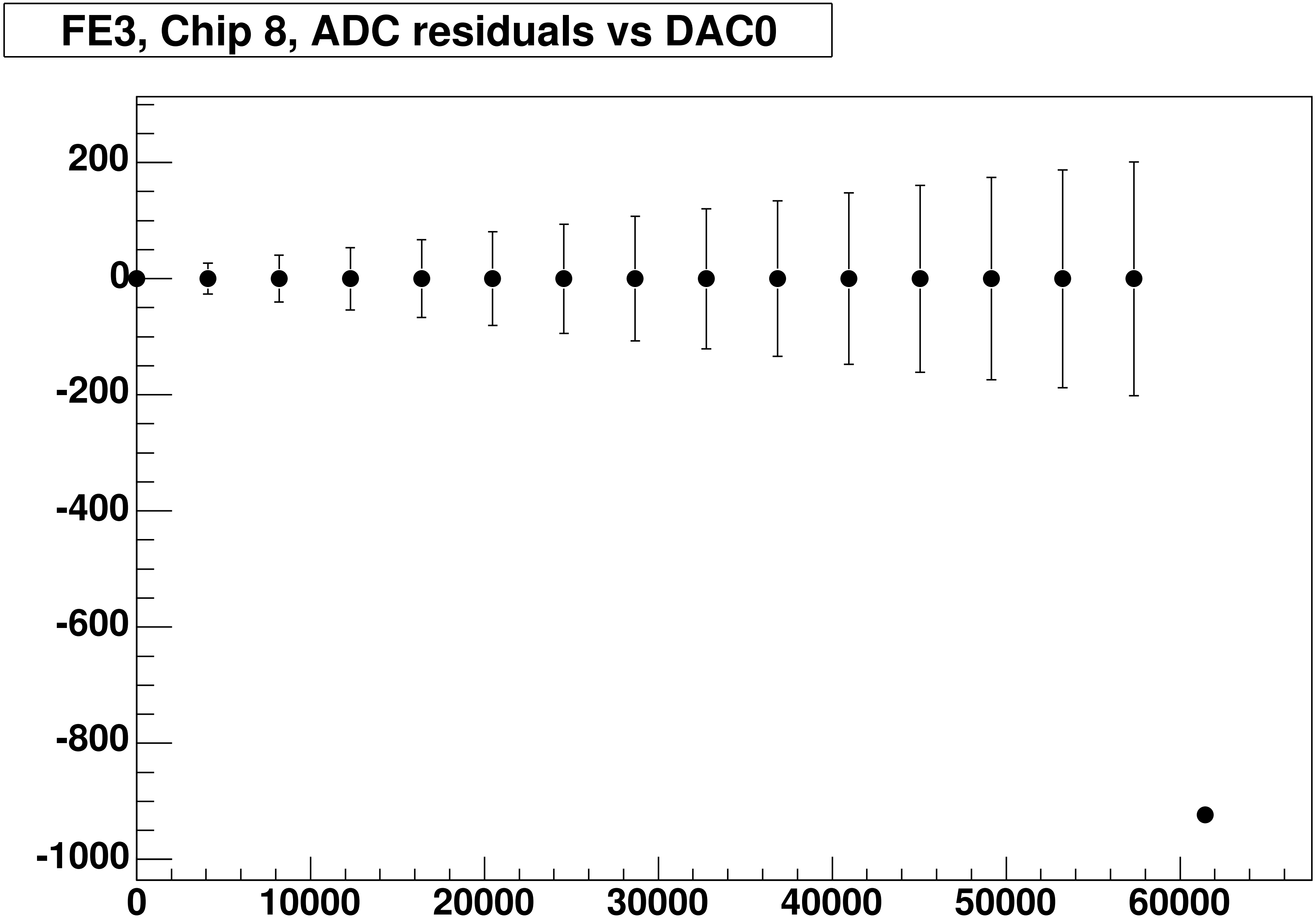

FE3, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

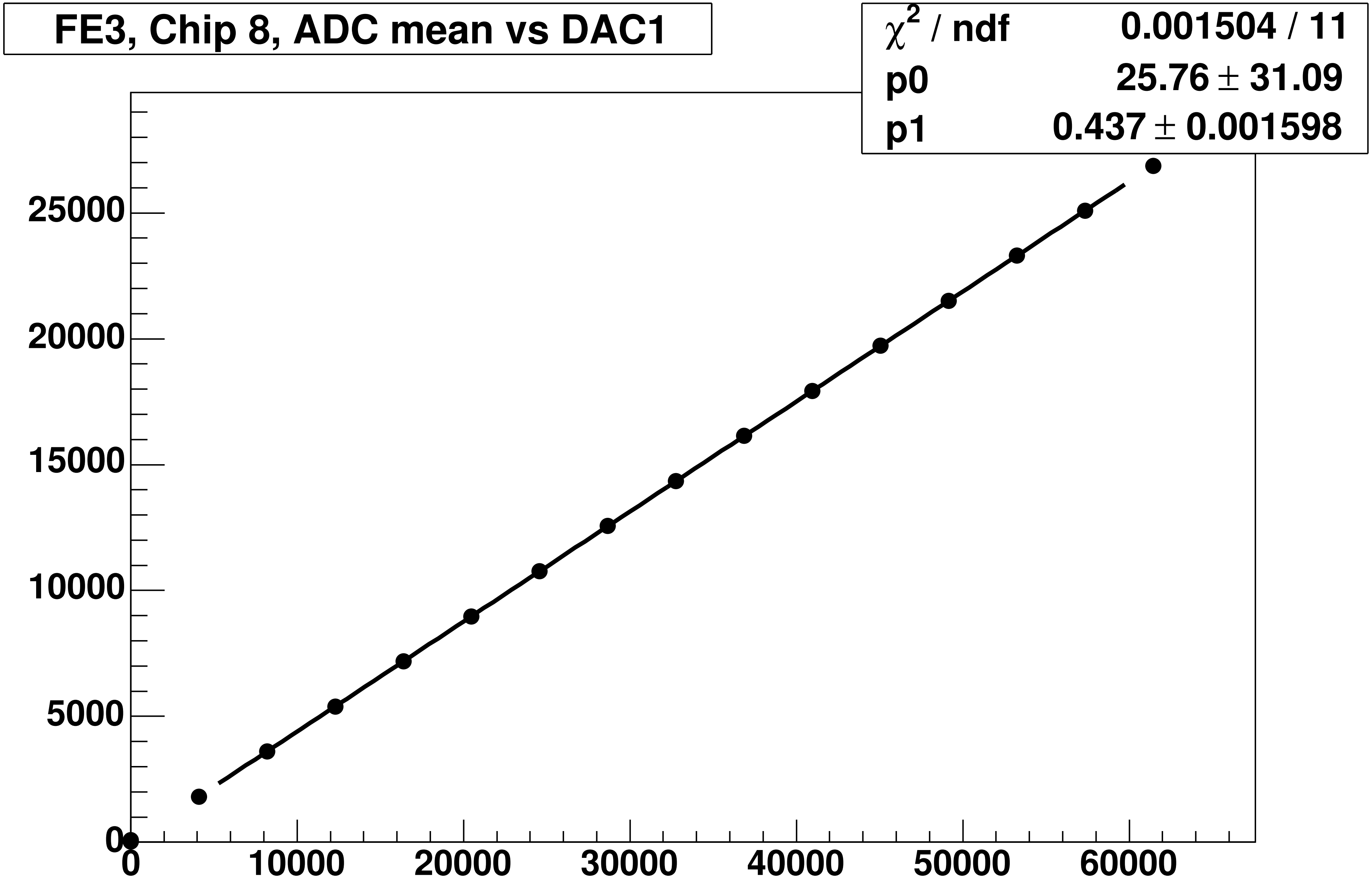


FE3, Chip 8, ADC mean vs DAC0
χ^2 / ndf 7.329e-06 / 11
p0 83.36 ± 41.96
p1 0.01409 ± 0.001891
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

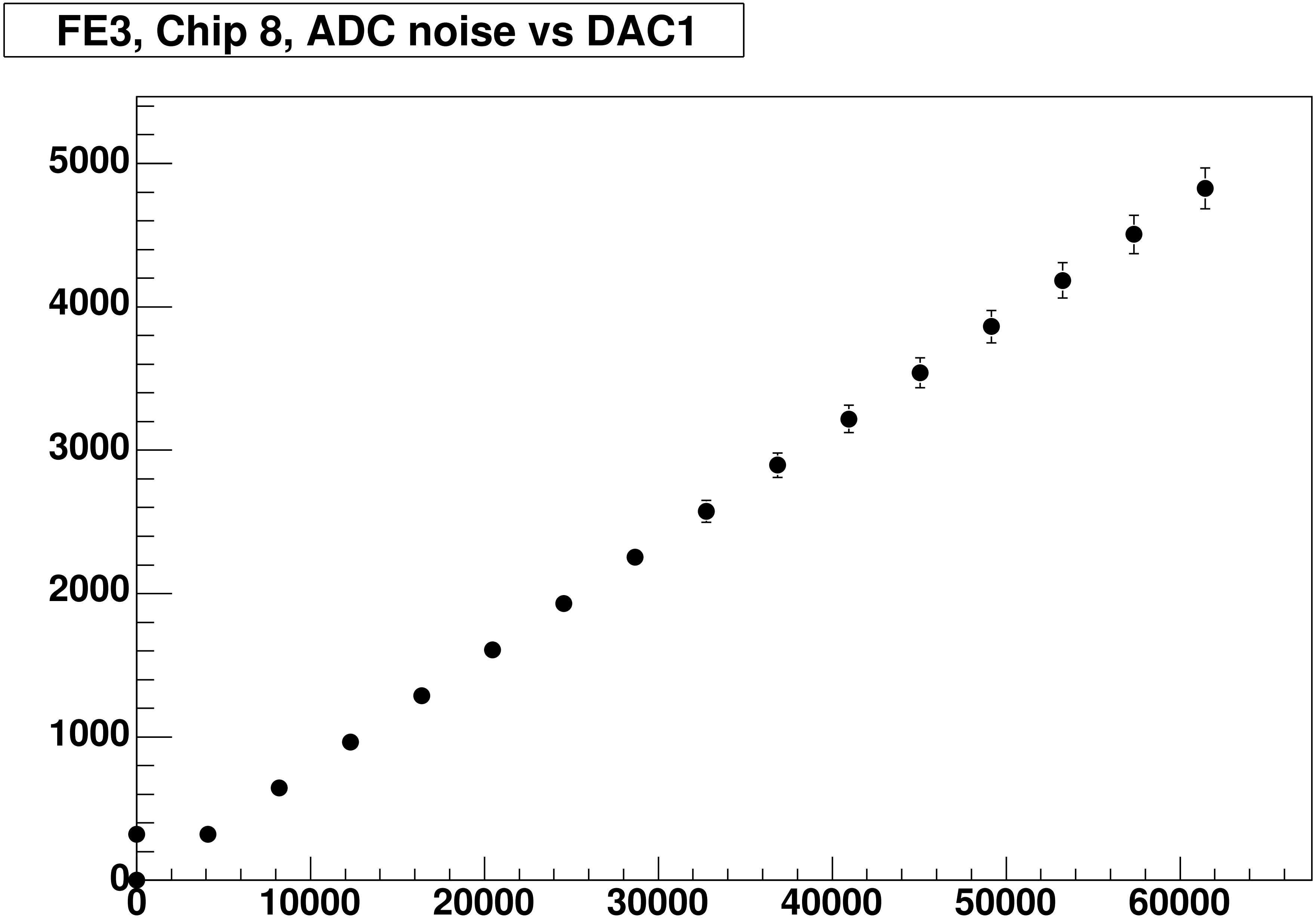


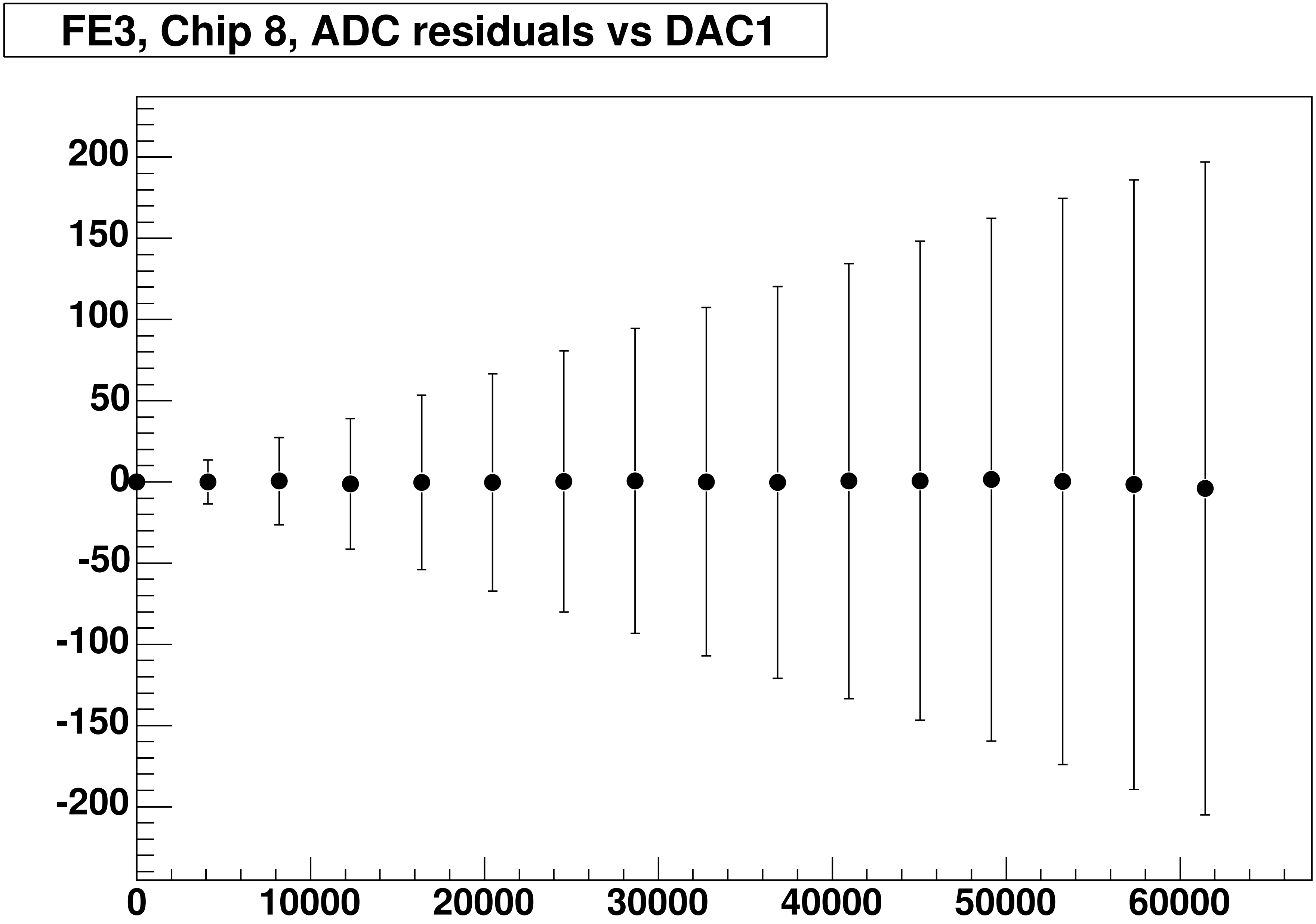
FE3, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

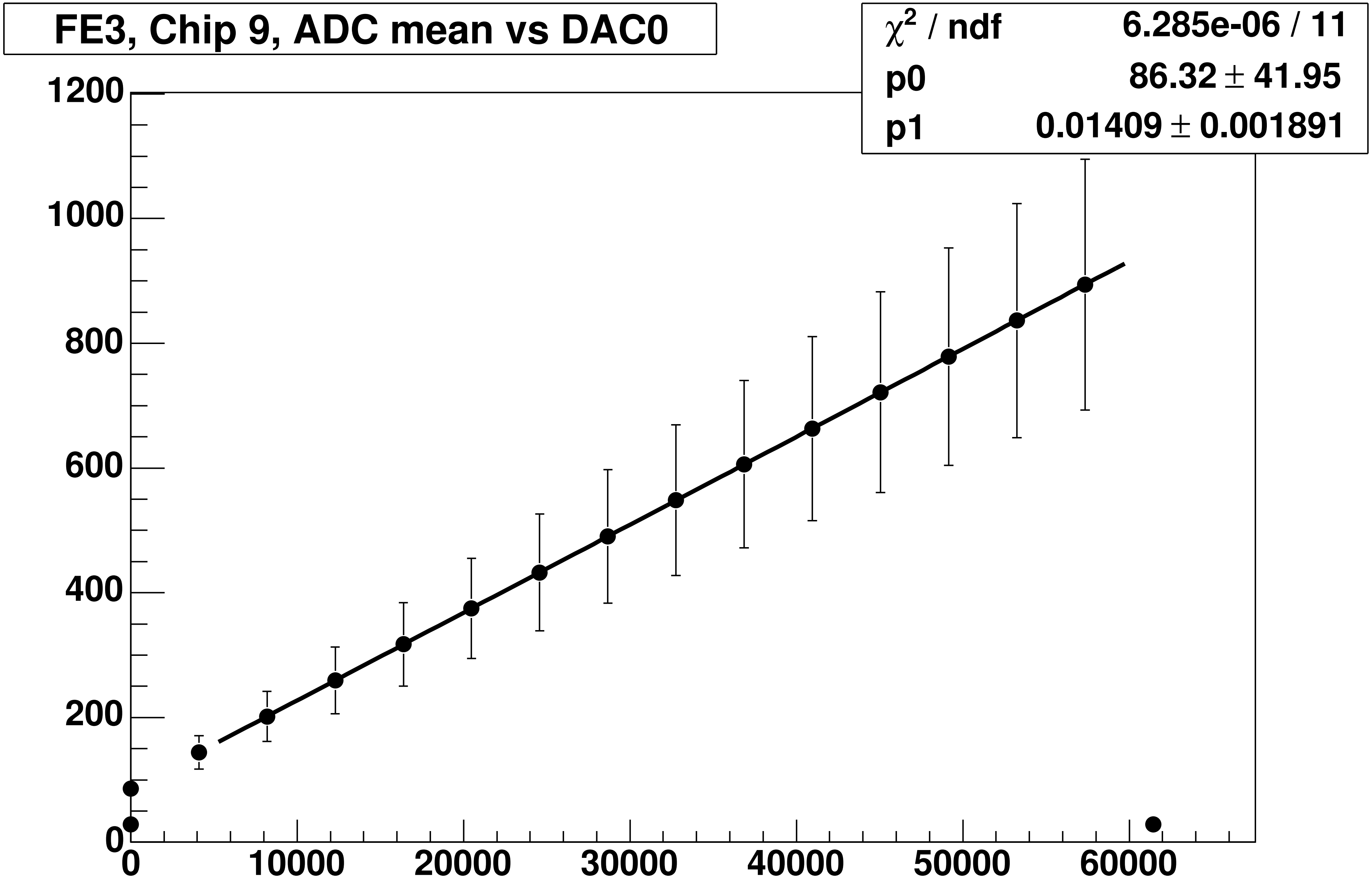

FE3, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



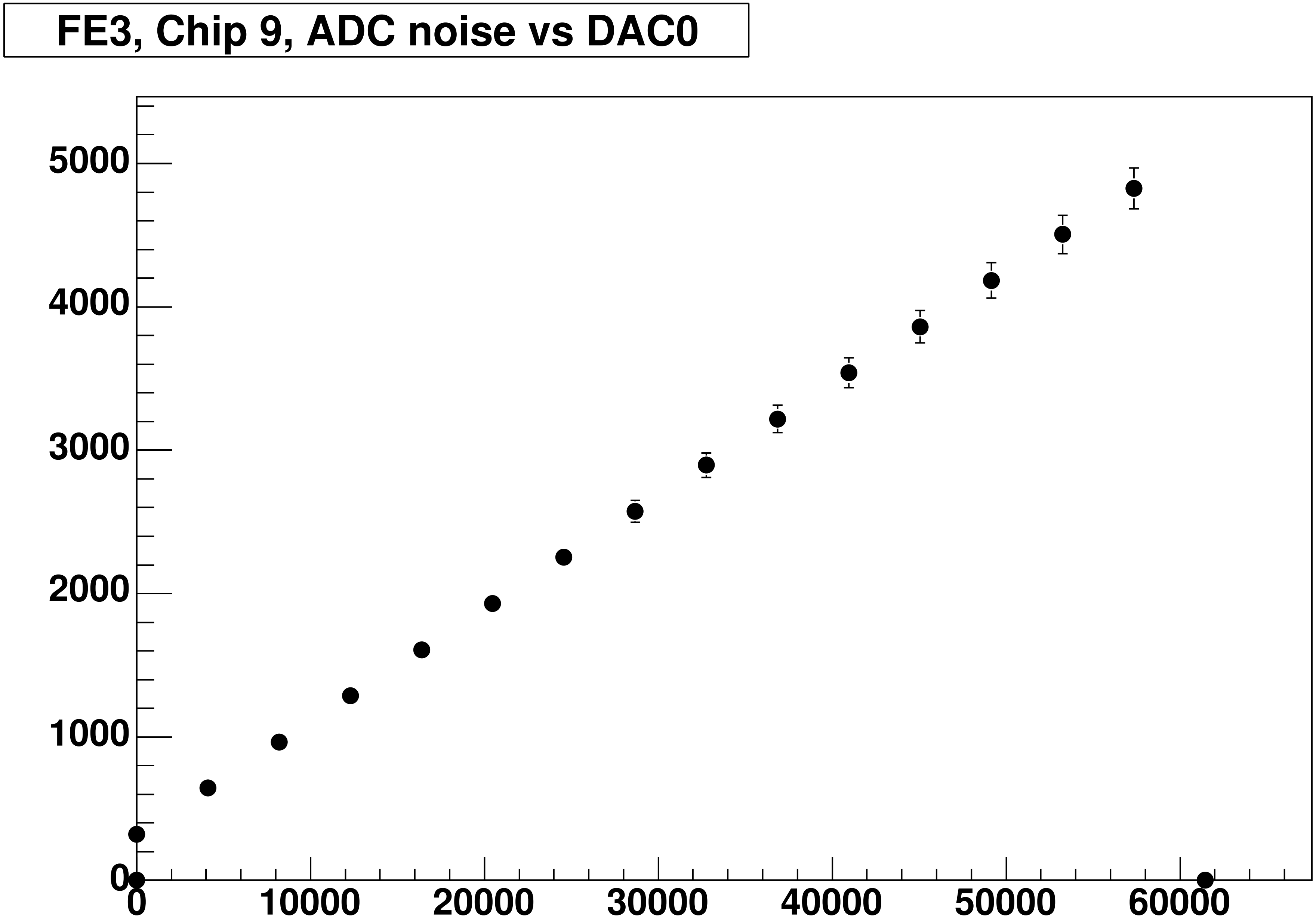
FE3, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001504 / 11
p0 25.76 ± 31.09
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

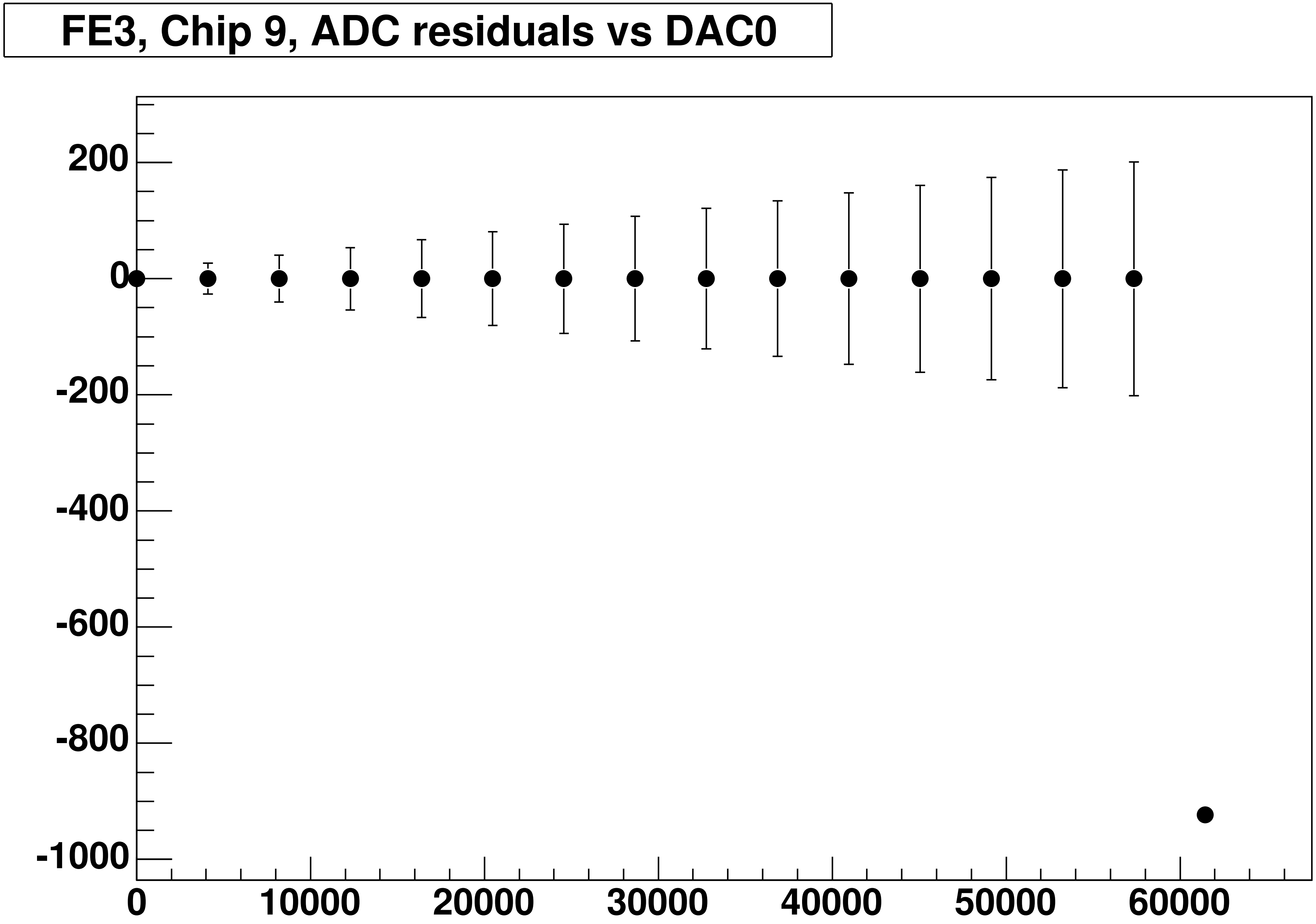

FE3, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

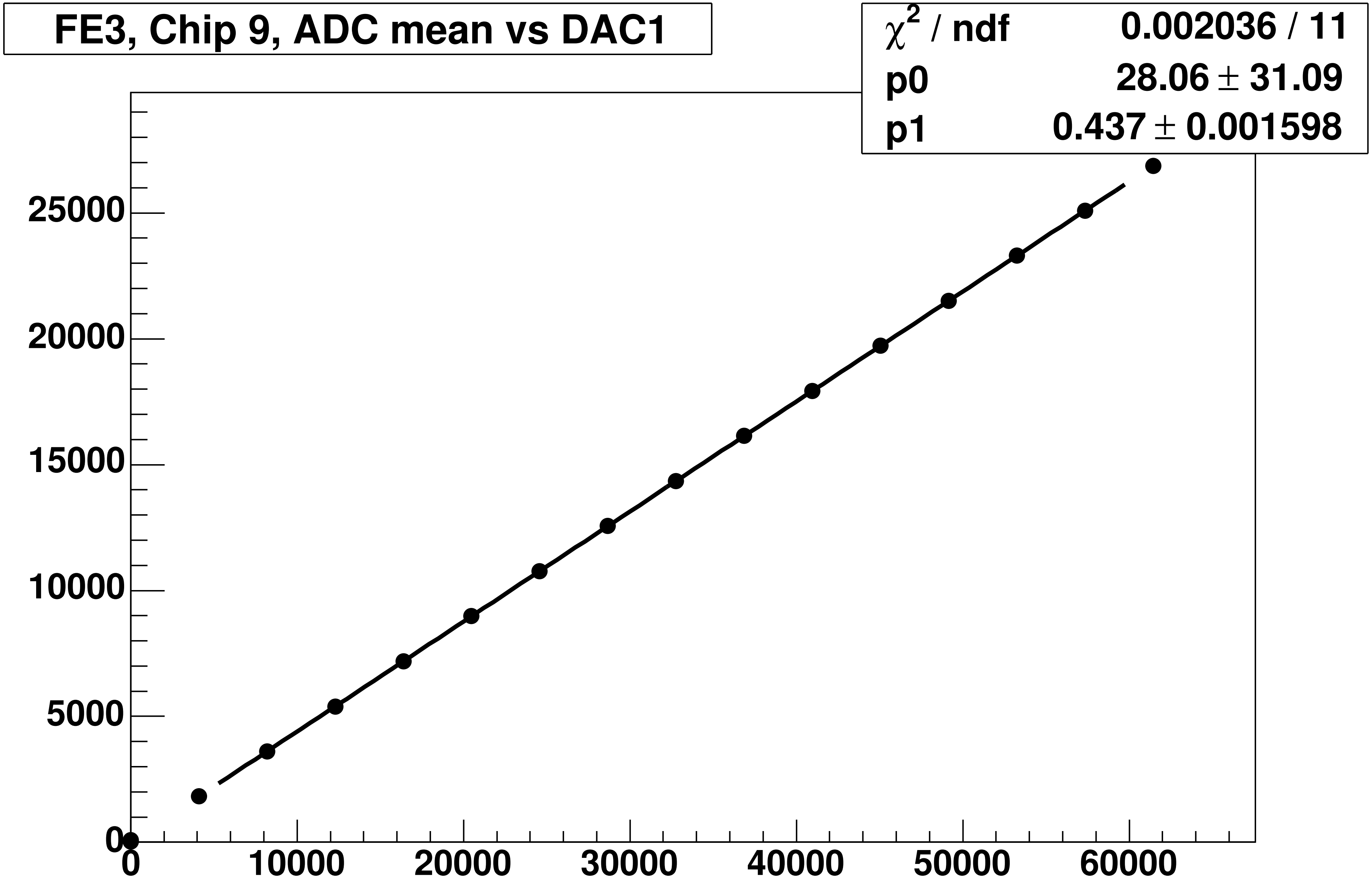


FE3, Chip 9, ADC mean vs DAC0
χ^2 / ndf 6.285e-06 / 11
p0 86.32 ± 41.95
p1 0.01409 ± 0.001891
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

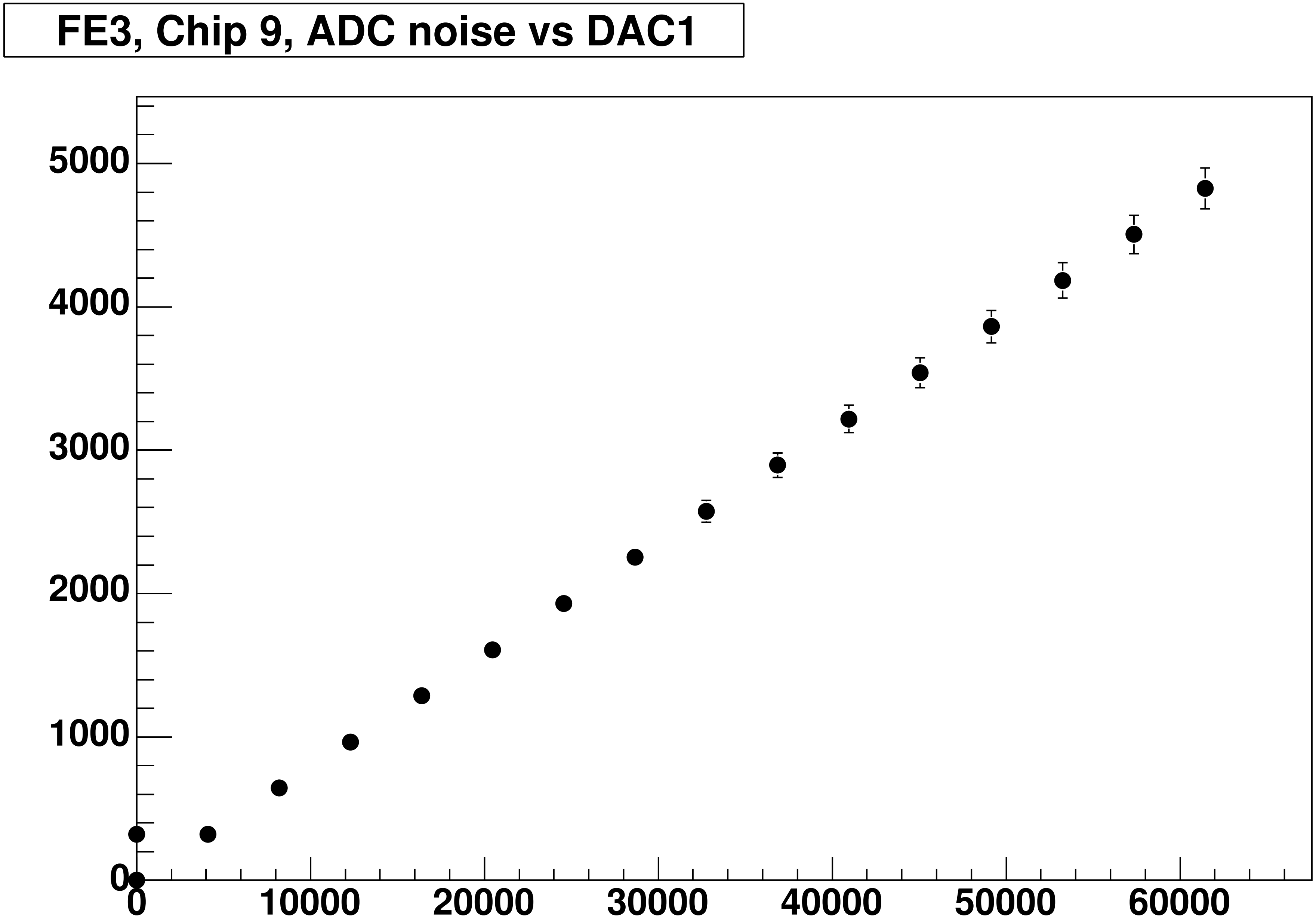

FE3, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

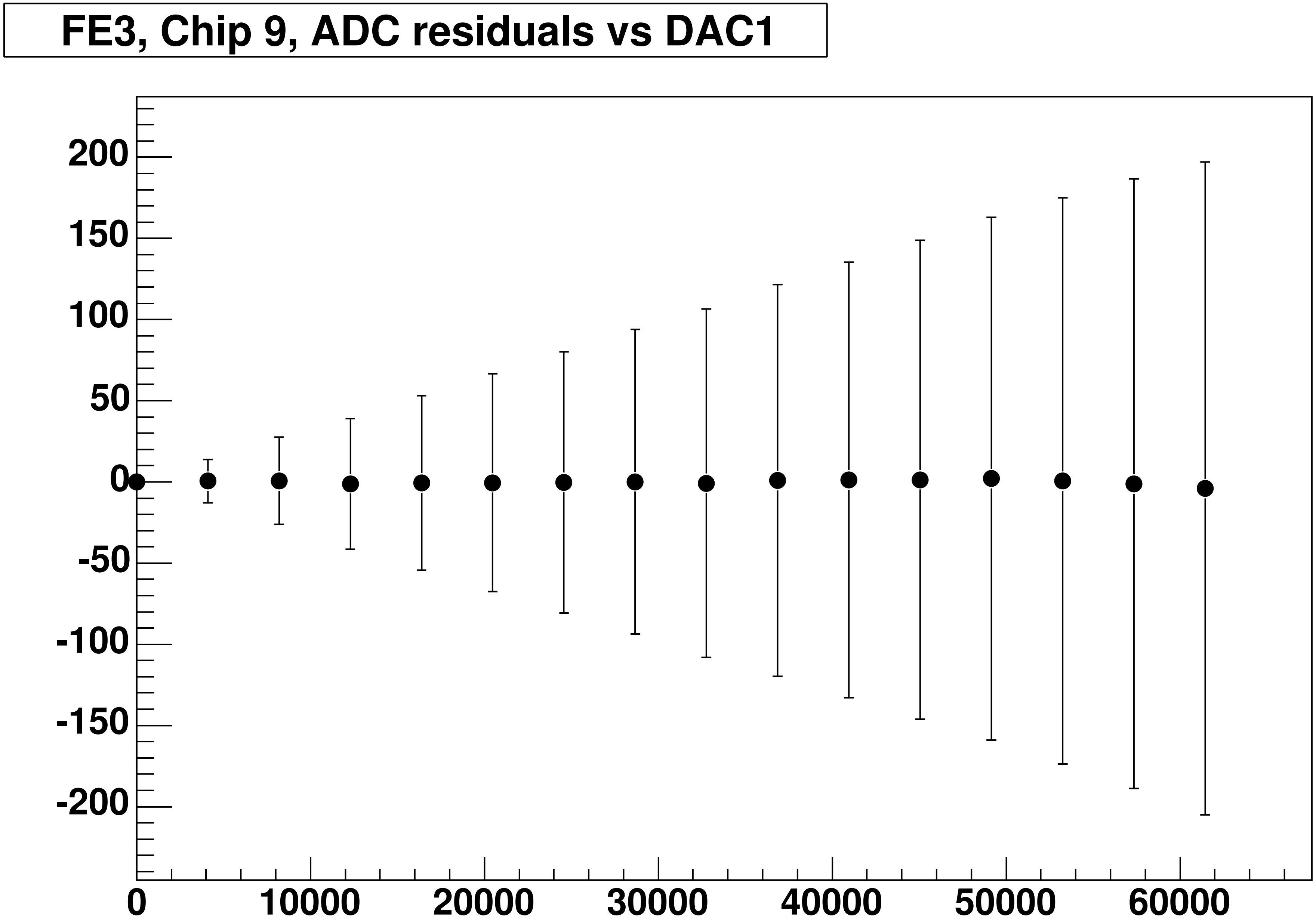


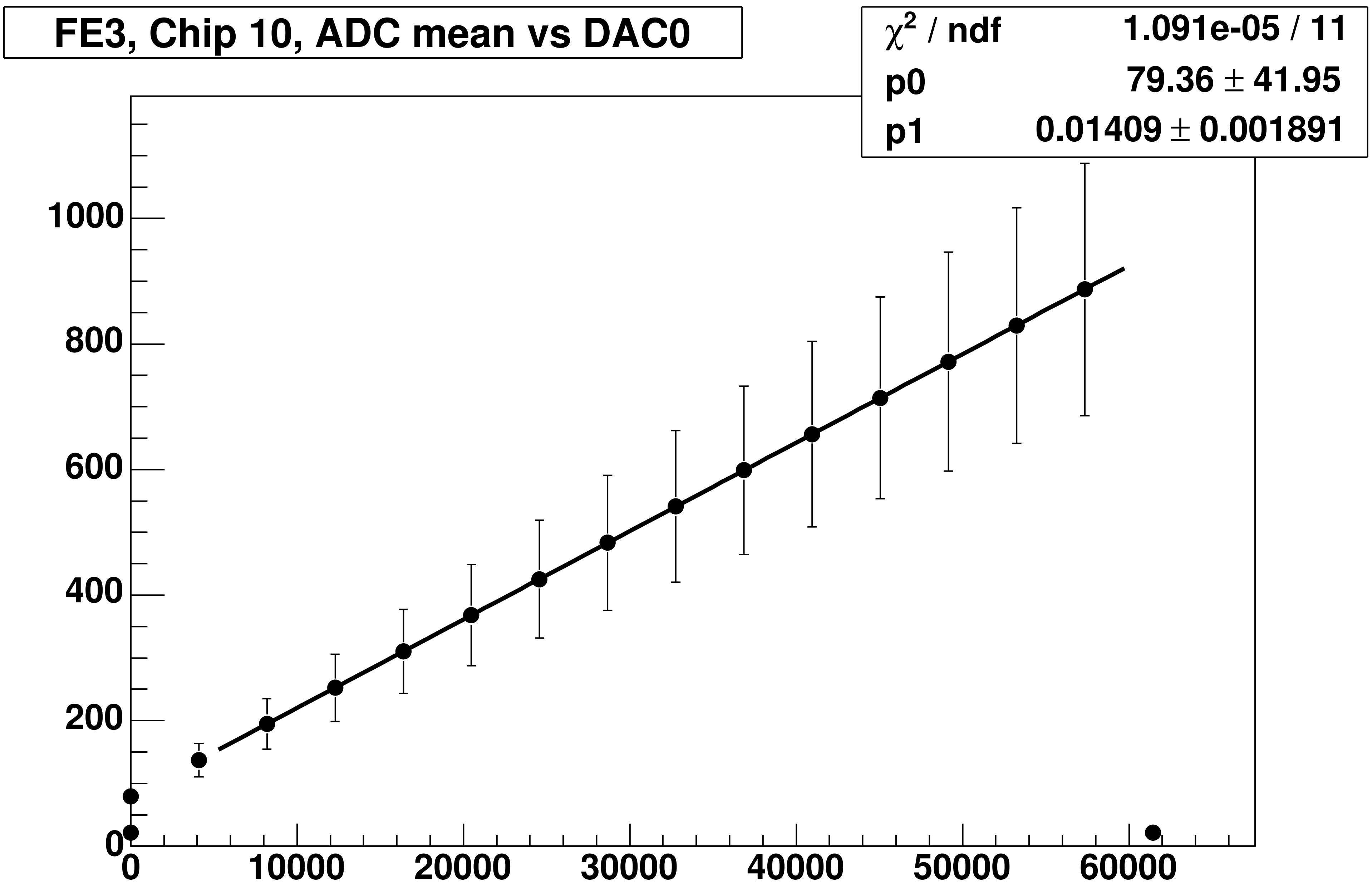
FE3, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



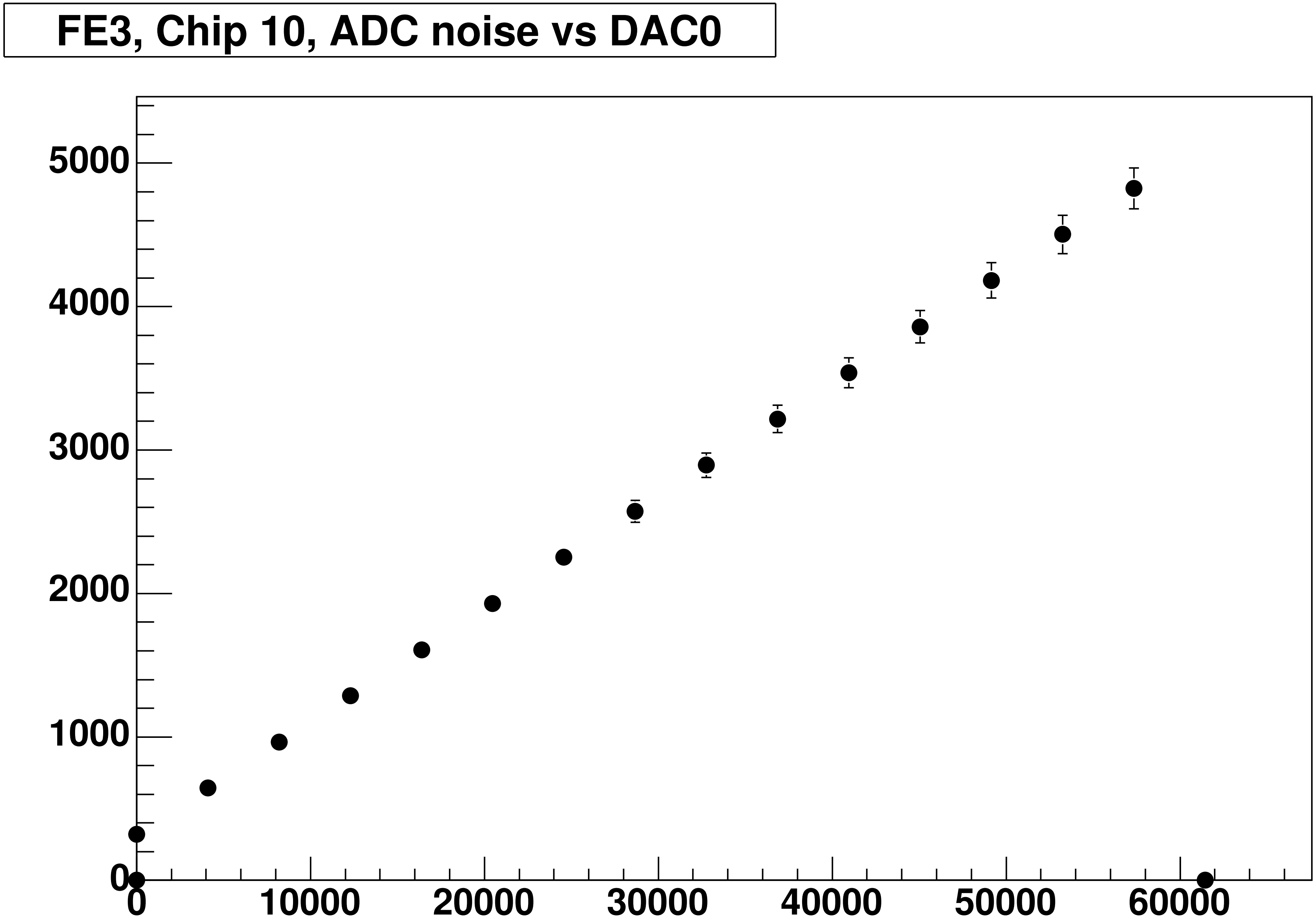
FE3, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.002036 / 11
p0 28.06 ± 31.09
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

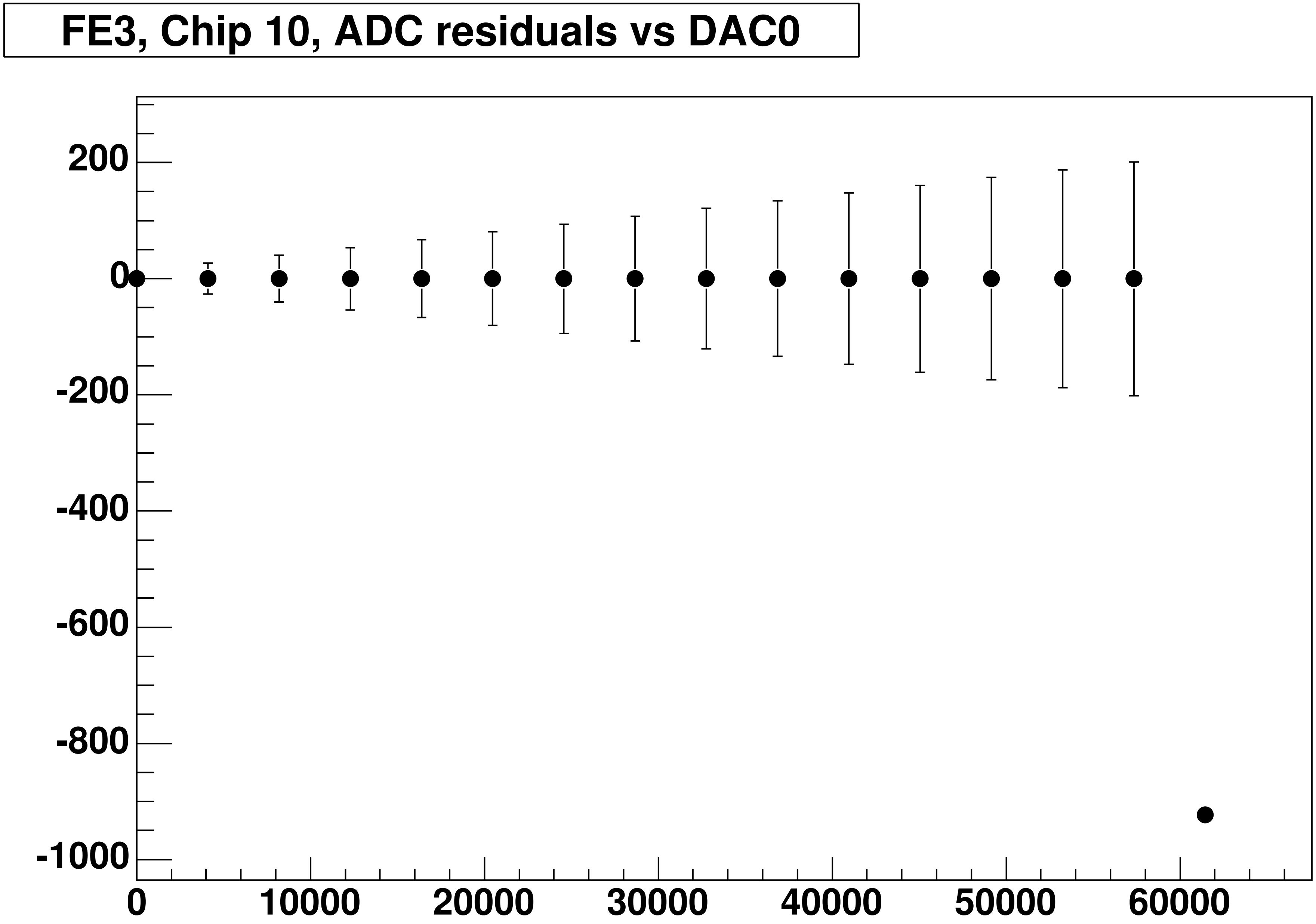

FE3, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

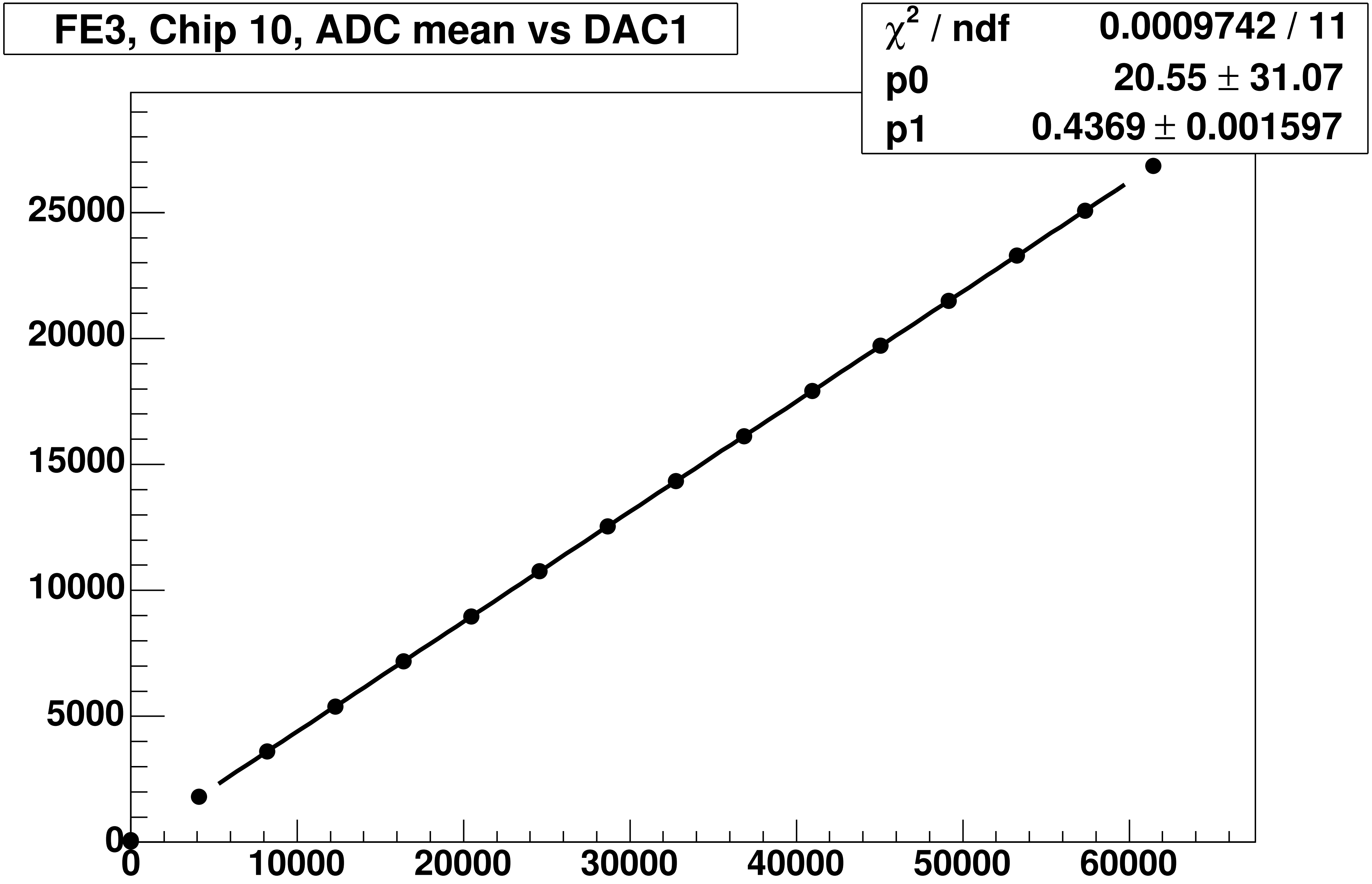


FE3, Chip 10, ADC mean vs DAC0
χ2 / ndf 1.091e-05 / 11
p0 79.36 ± 41.95
p1 0.01409 ± 0.001891
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

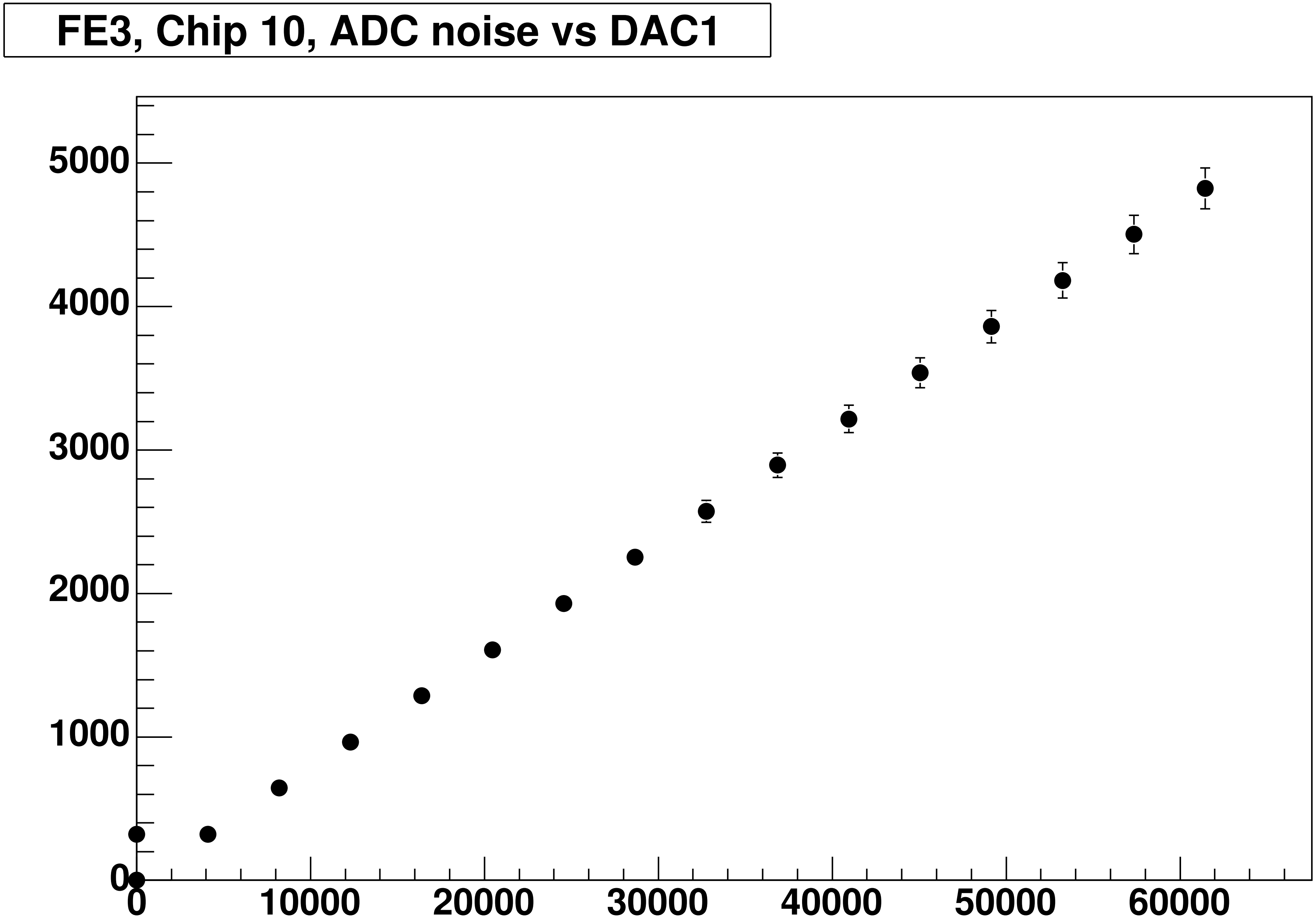

FE3, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



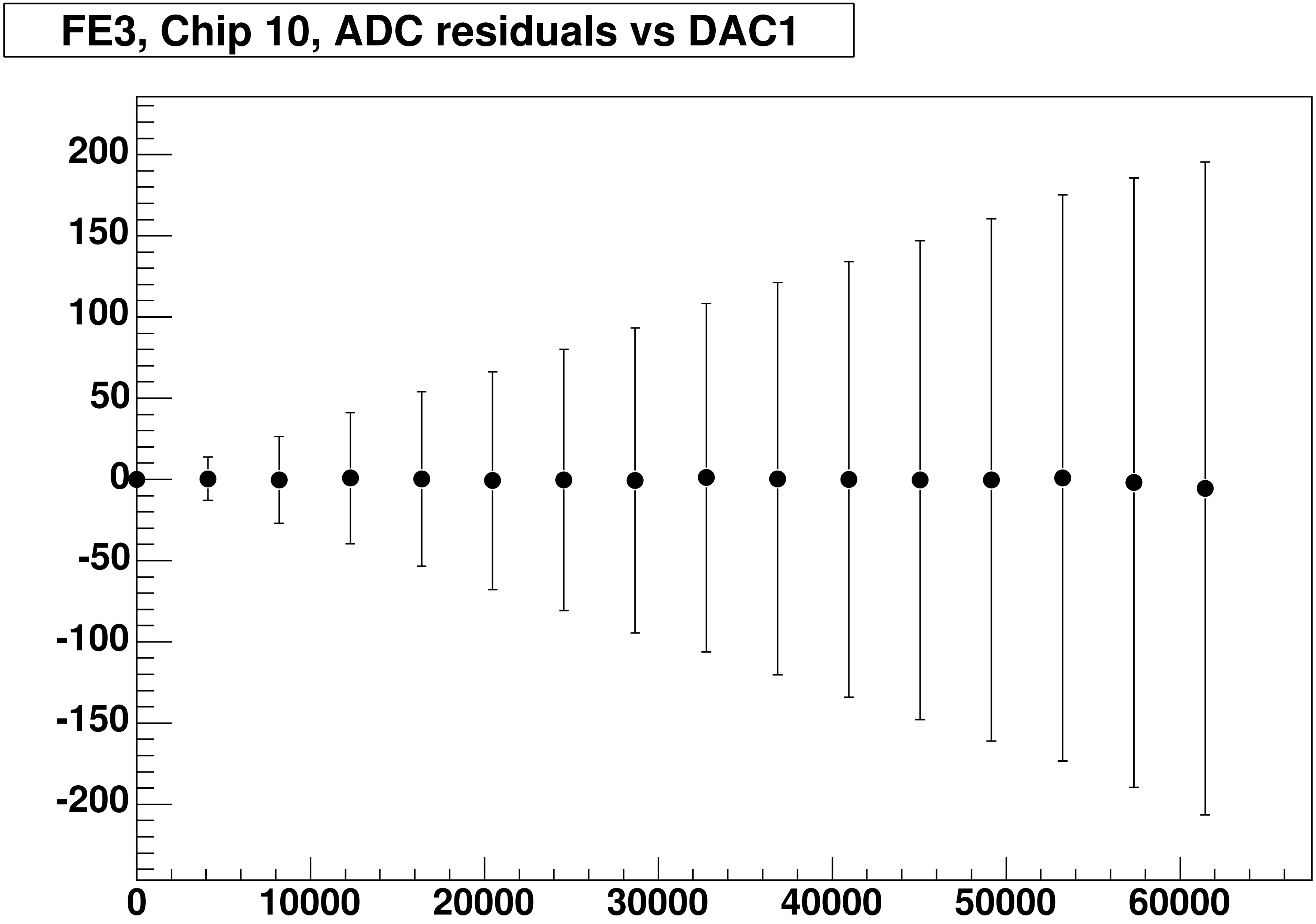
FE3, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

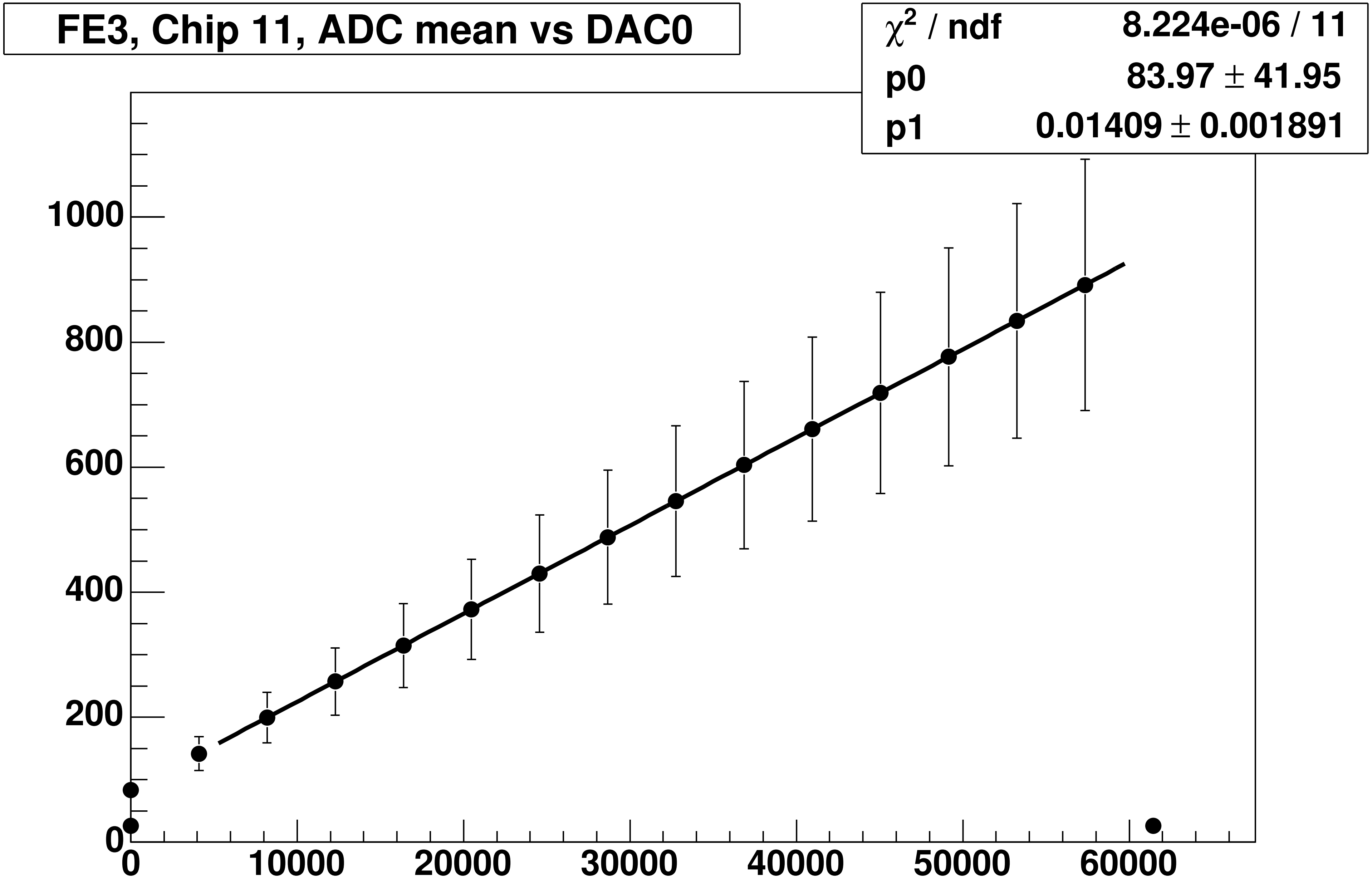


FE3, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0009742 / 11
p0 20.55 ± 31.07
p1 0.4369 ± 0.001597
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

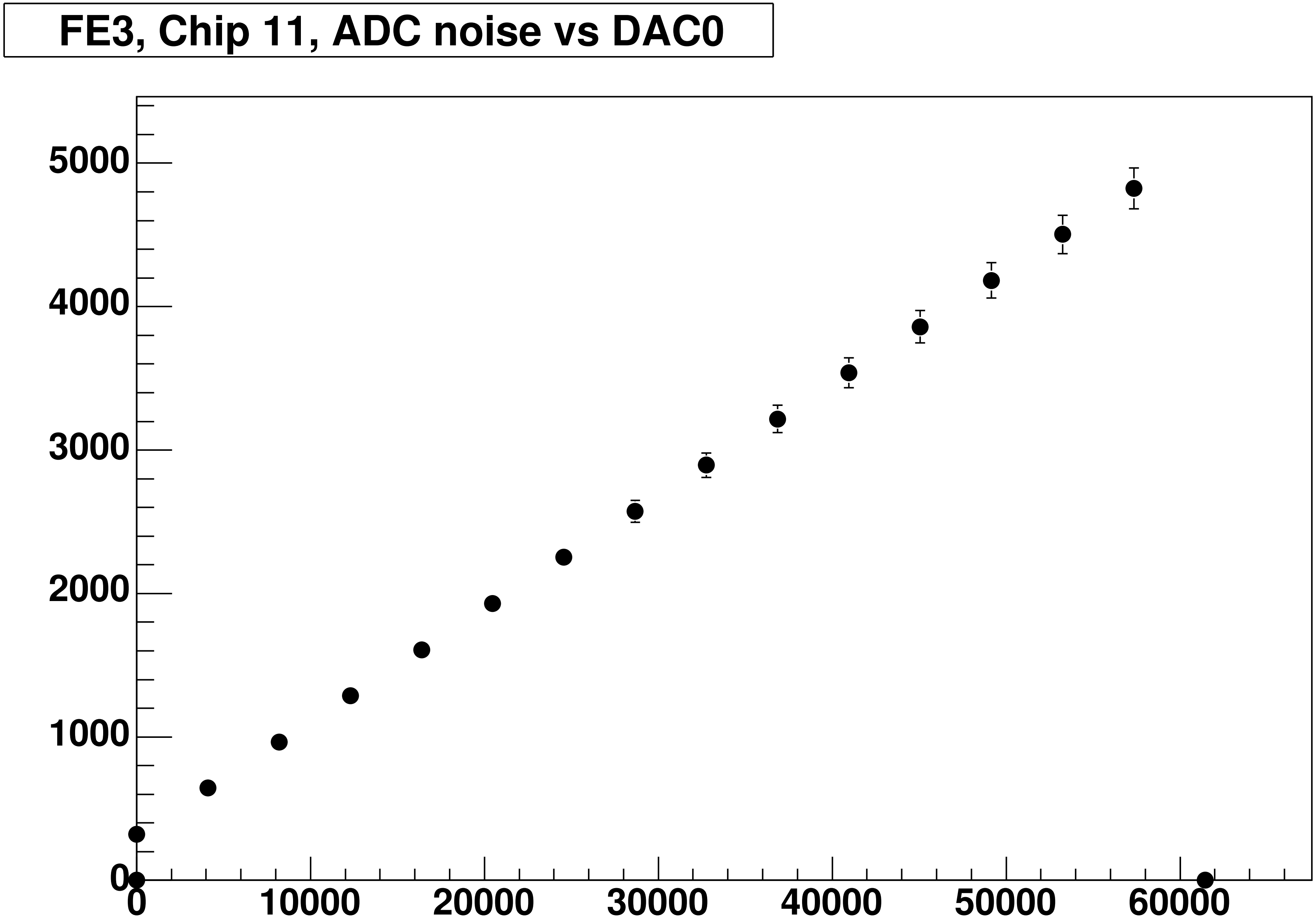


FE3, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

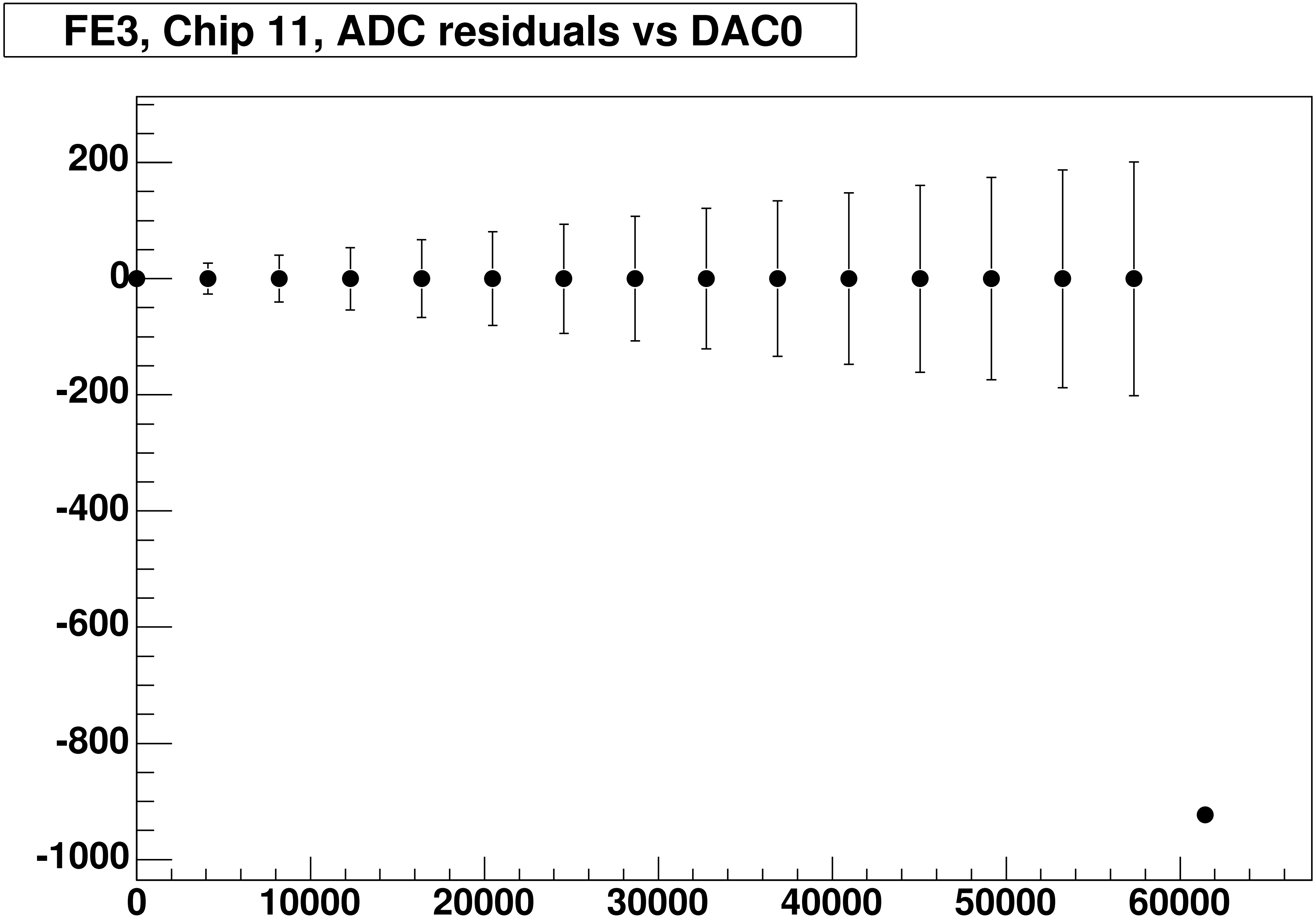

FE3, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



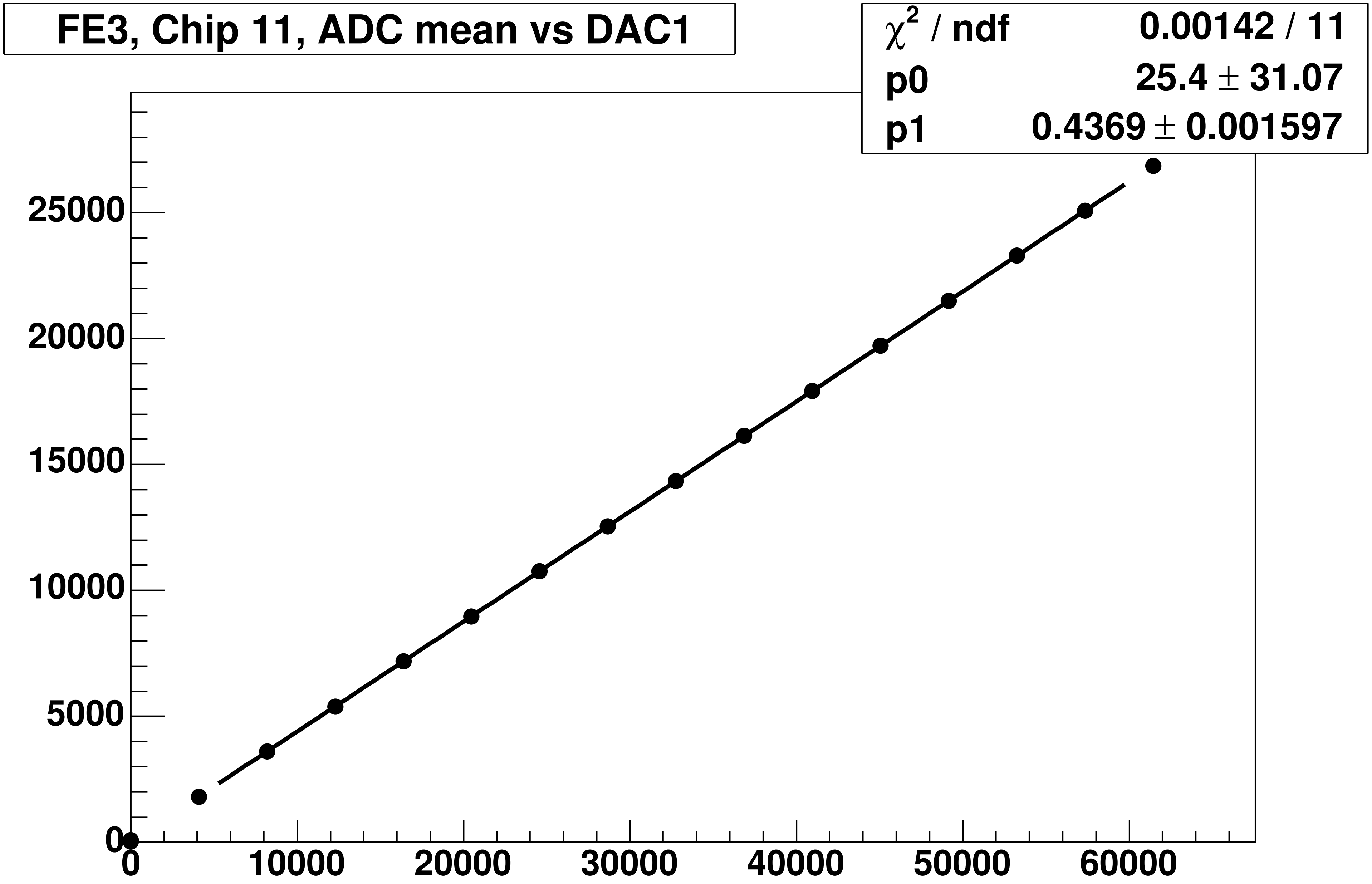
FE3, Chip 11, ADC mean vs DAC0
χ^2 / ndf 8.224e-06 / 11
p0 83.97 ± 41.95
p1 0.01409 ± 0.001891
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000



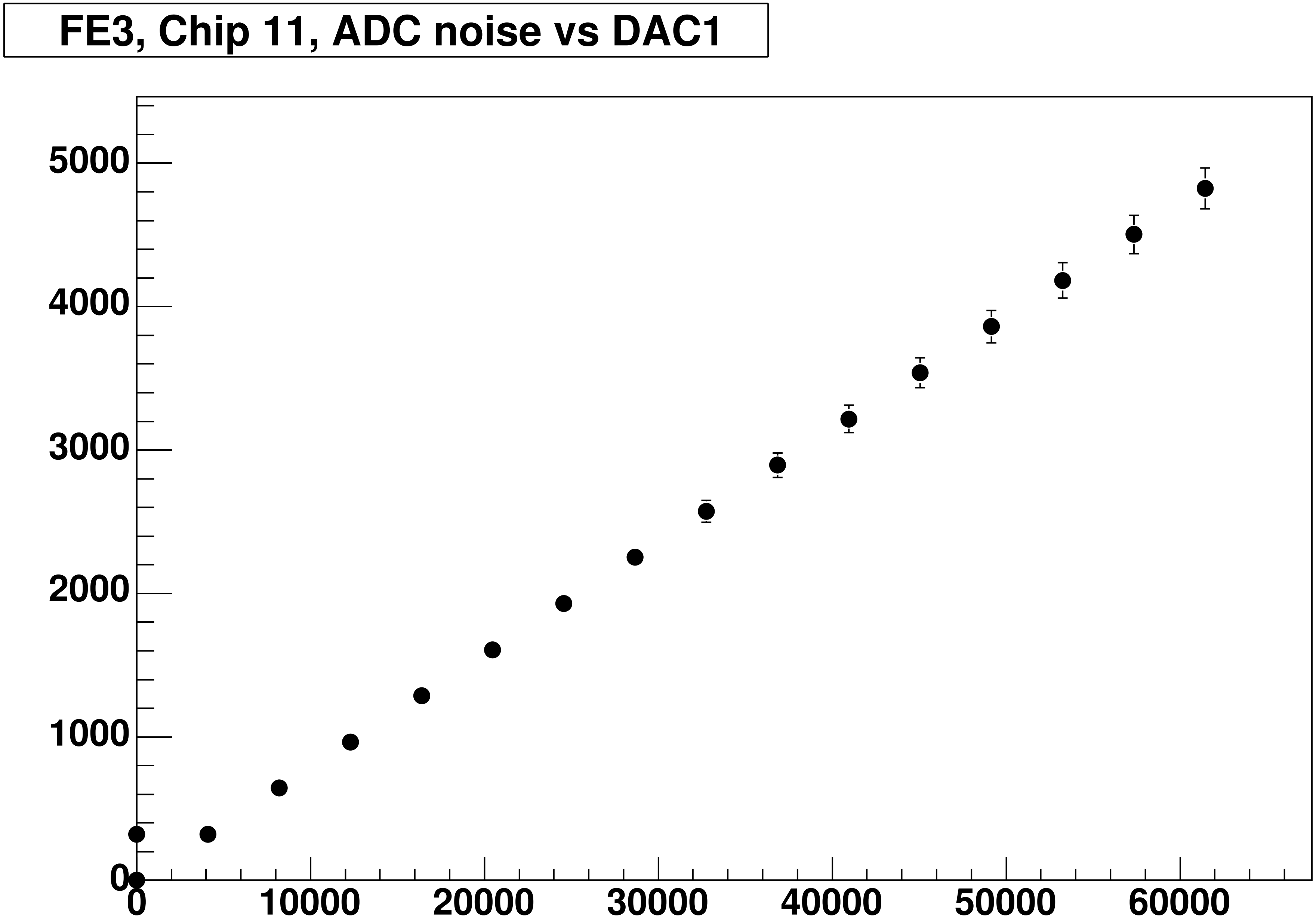
FE3, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

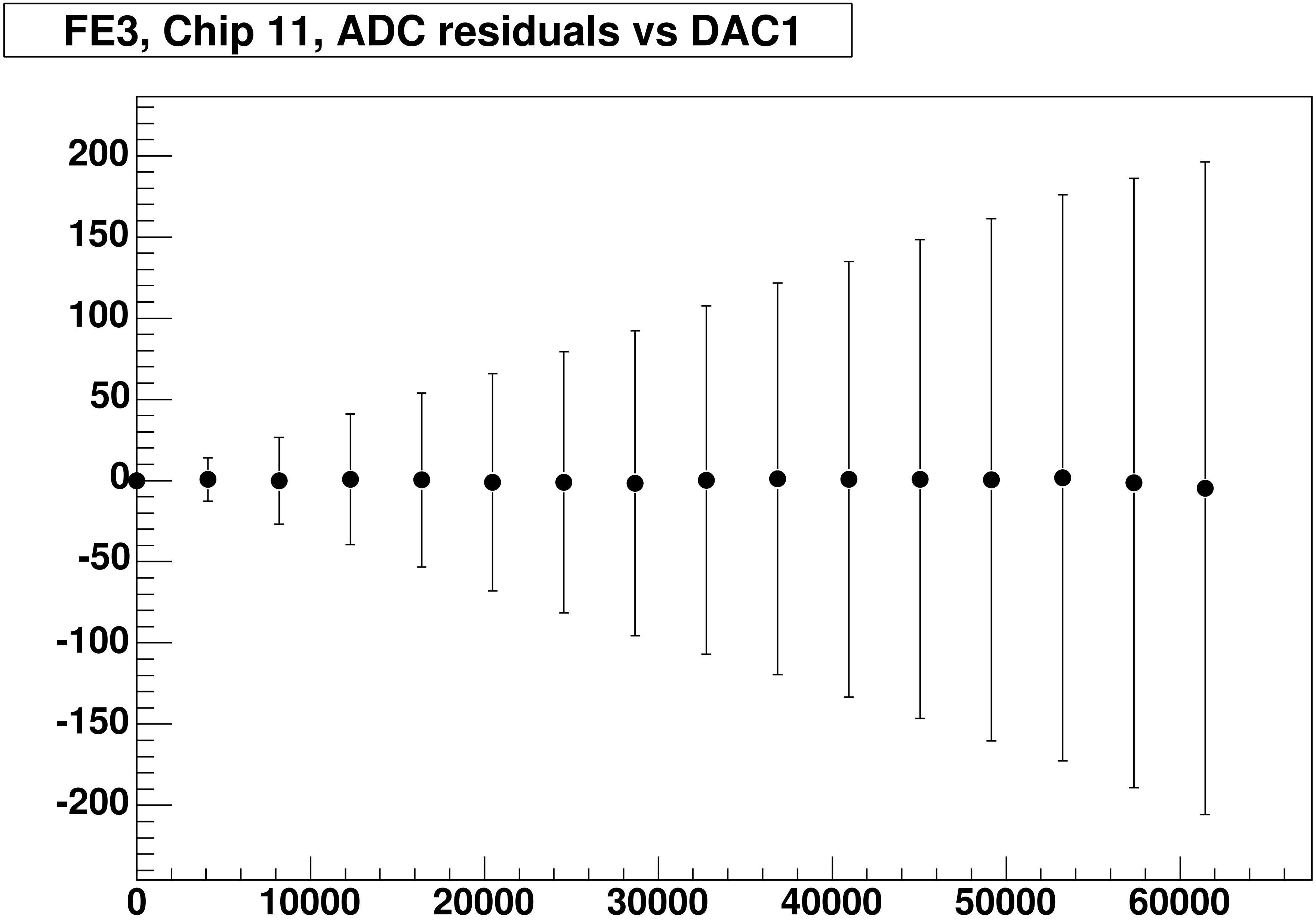


FE3, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

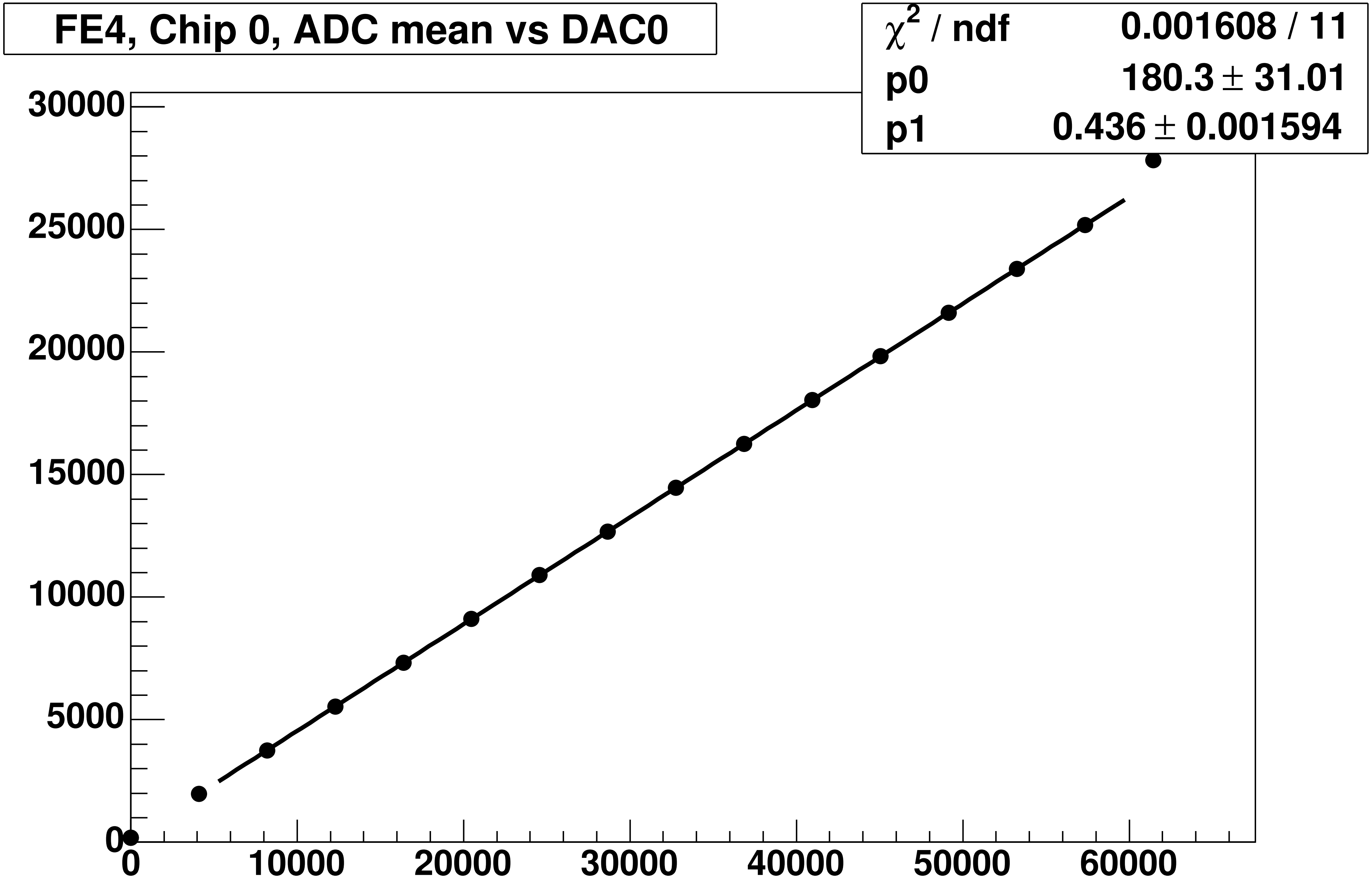


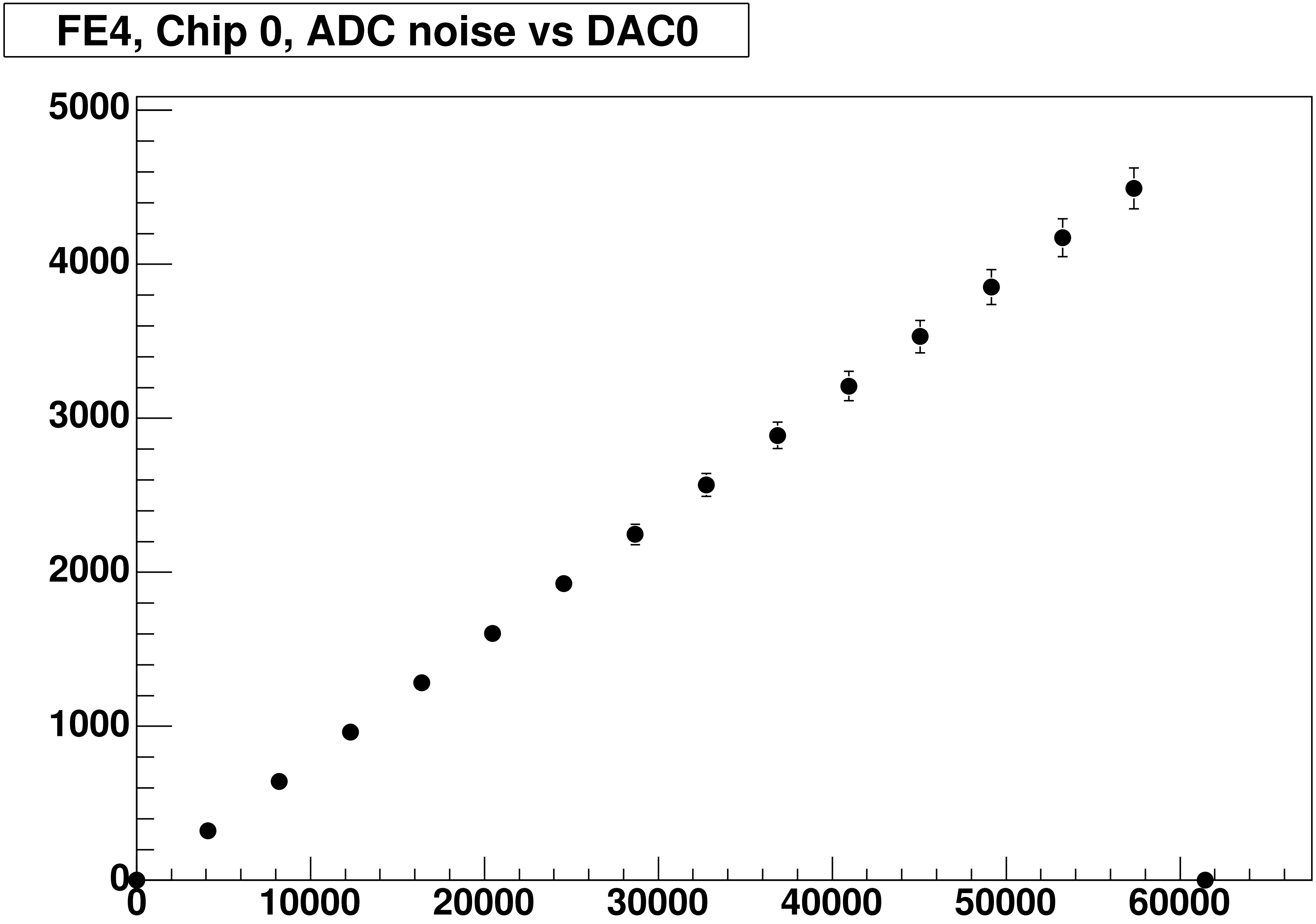
FE3, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.00142 / 11
p0 25.4 ± 31.07
p1 0.4369 ± 0.001597
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

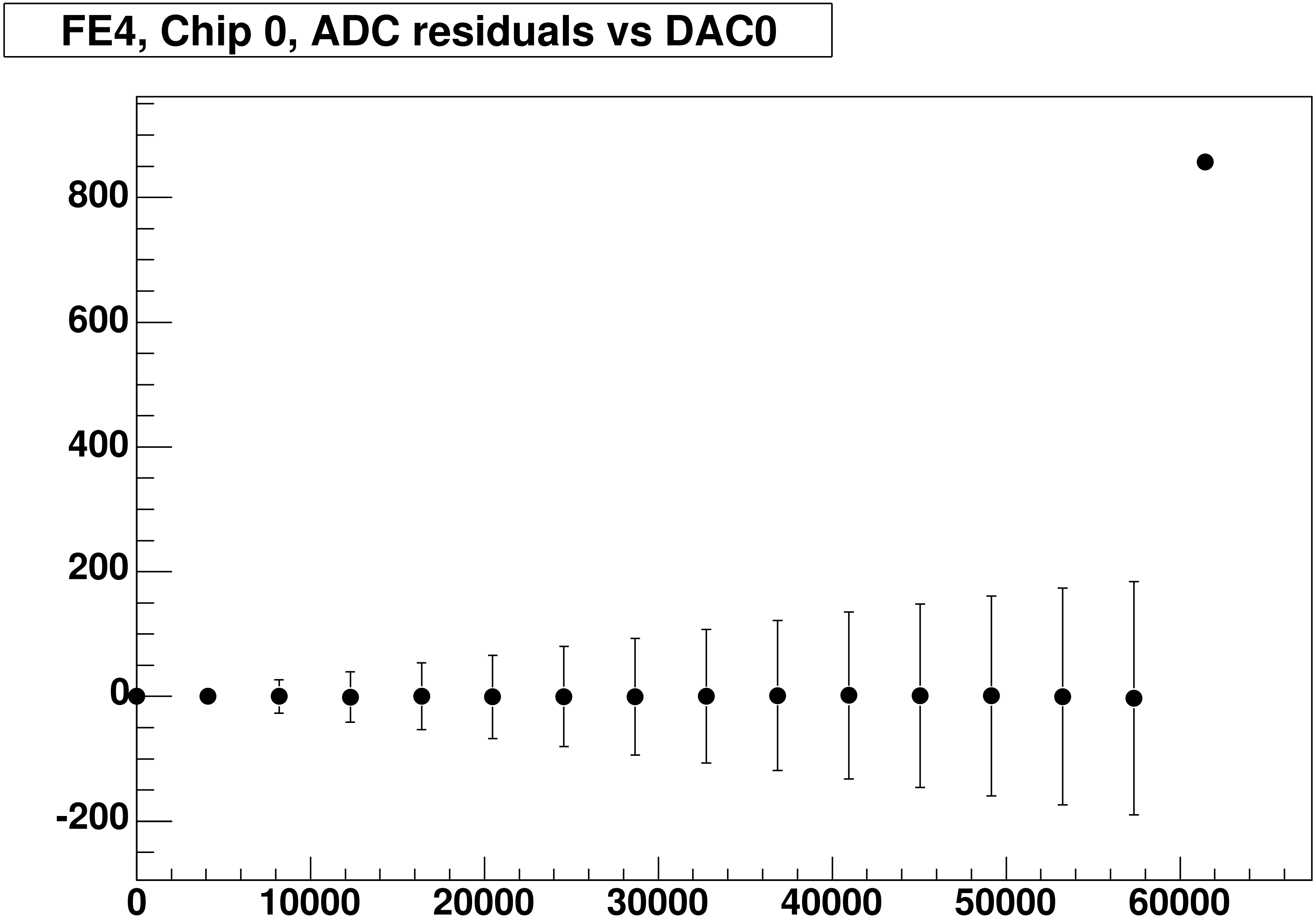

FE3, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

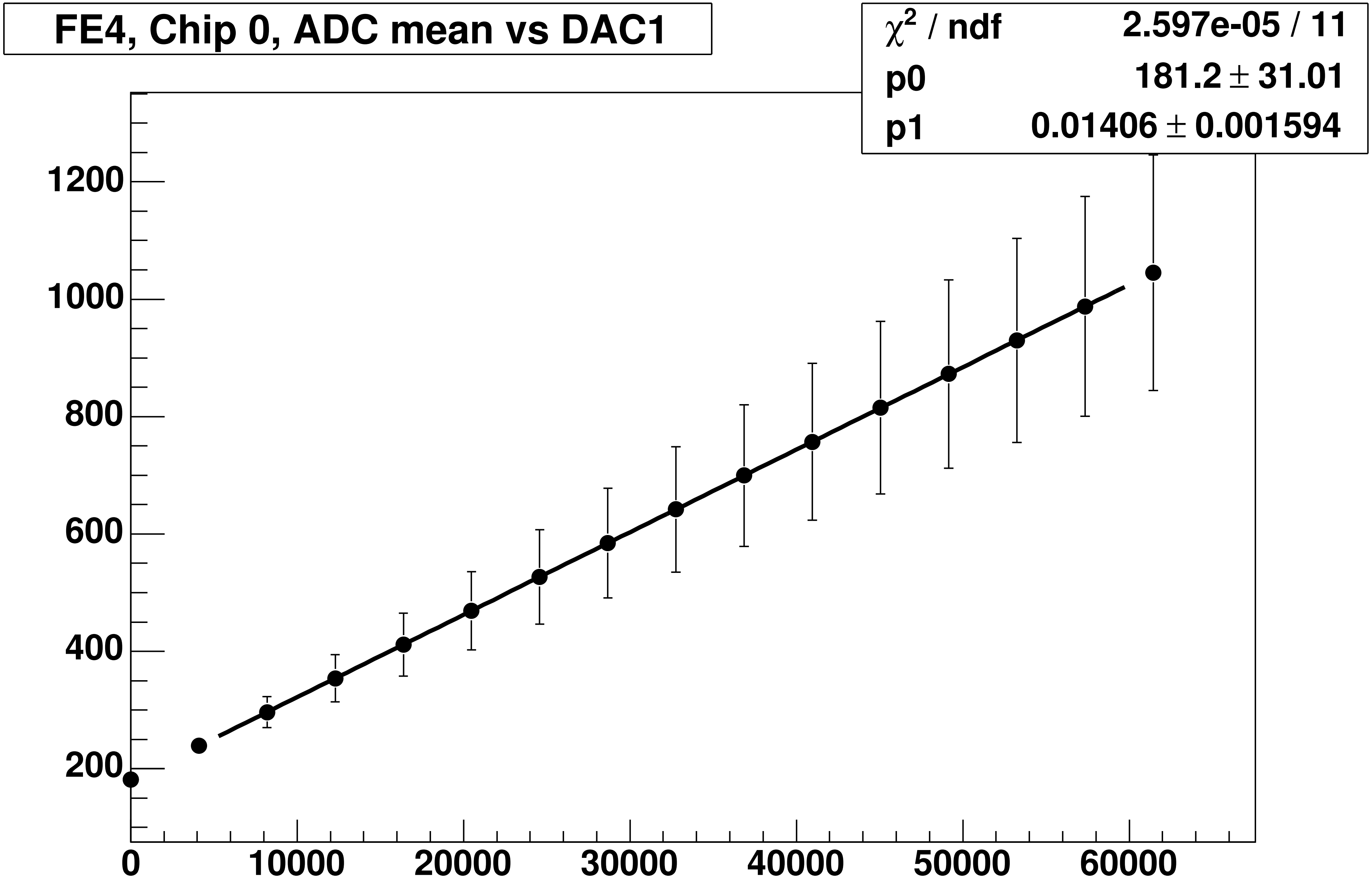


FE3, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 0, ADC mean vs DAC0
χ2 / ndf 0.001608 / 11
p0 180.3 ± 31.01
p1 0.436 ± 0.001594
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

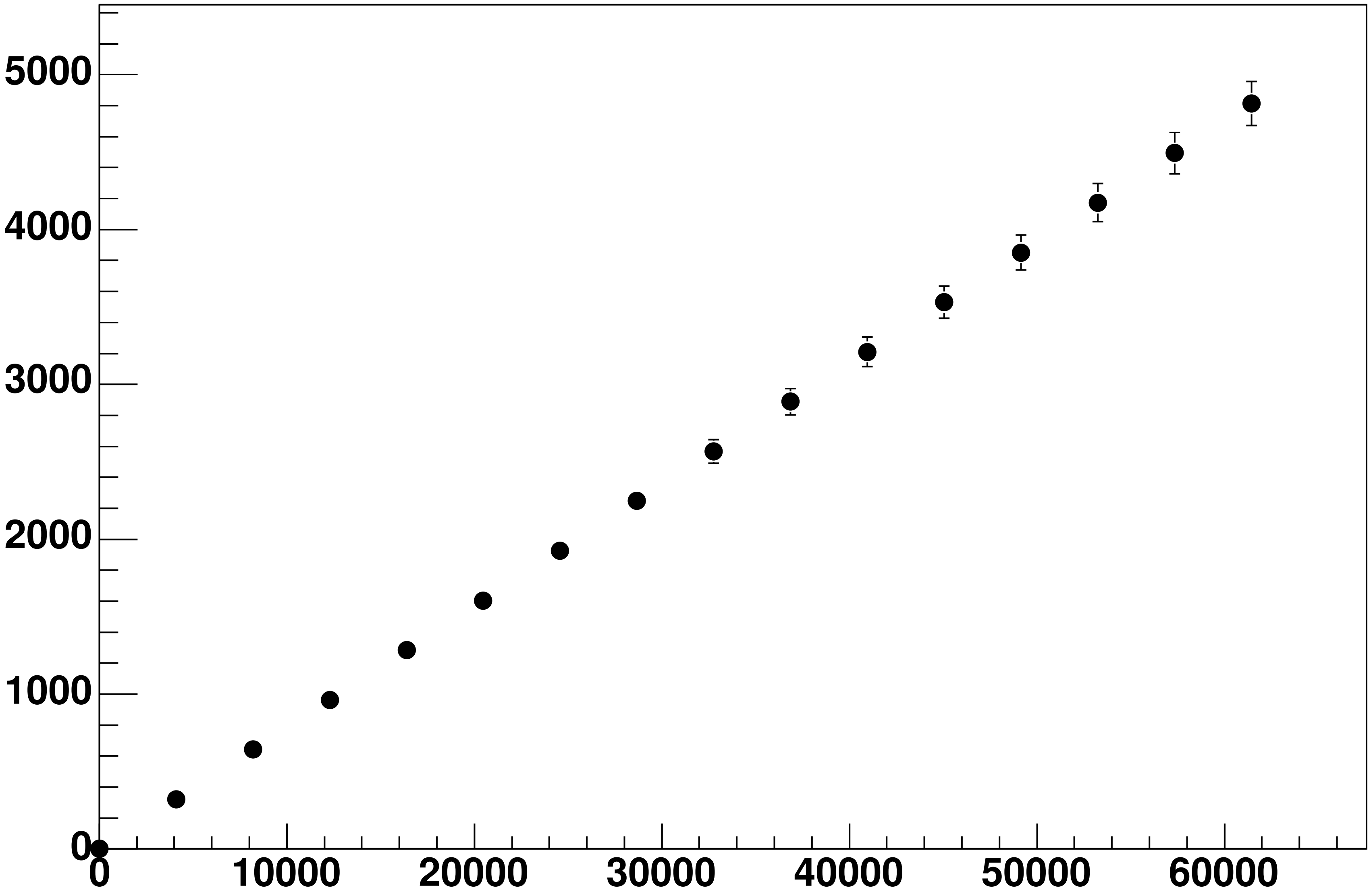

FE4, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

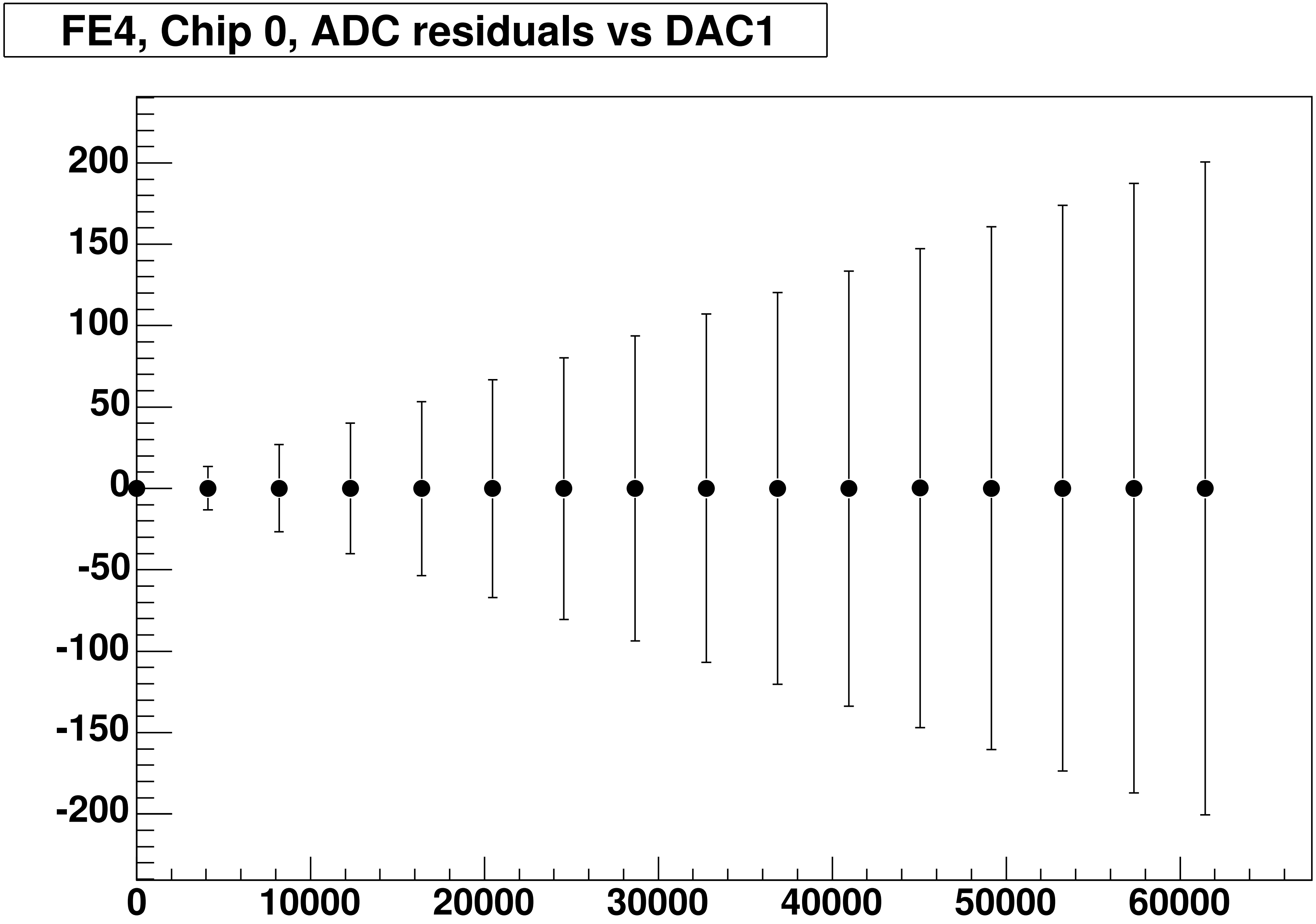

FE4, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



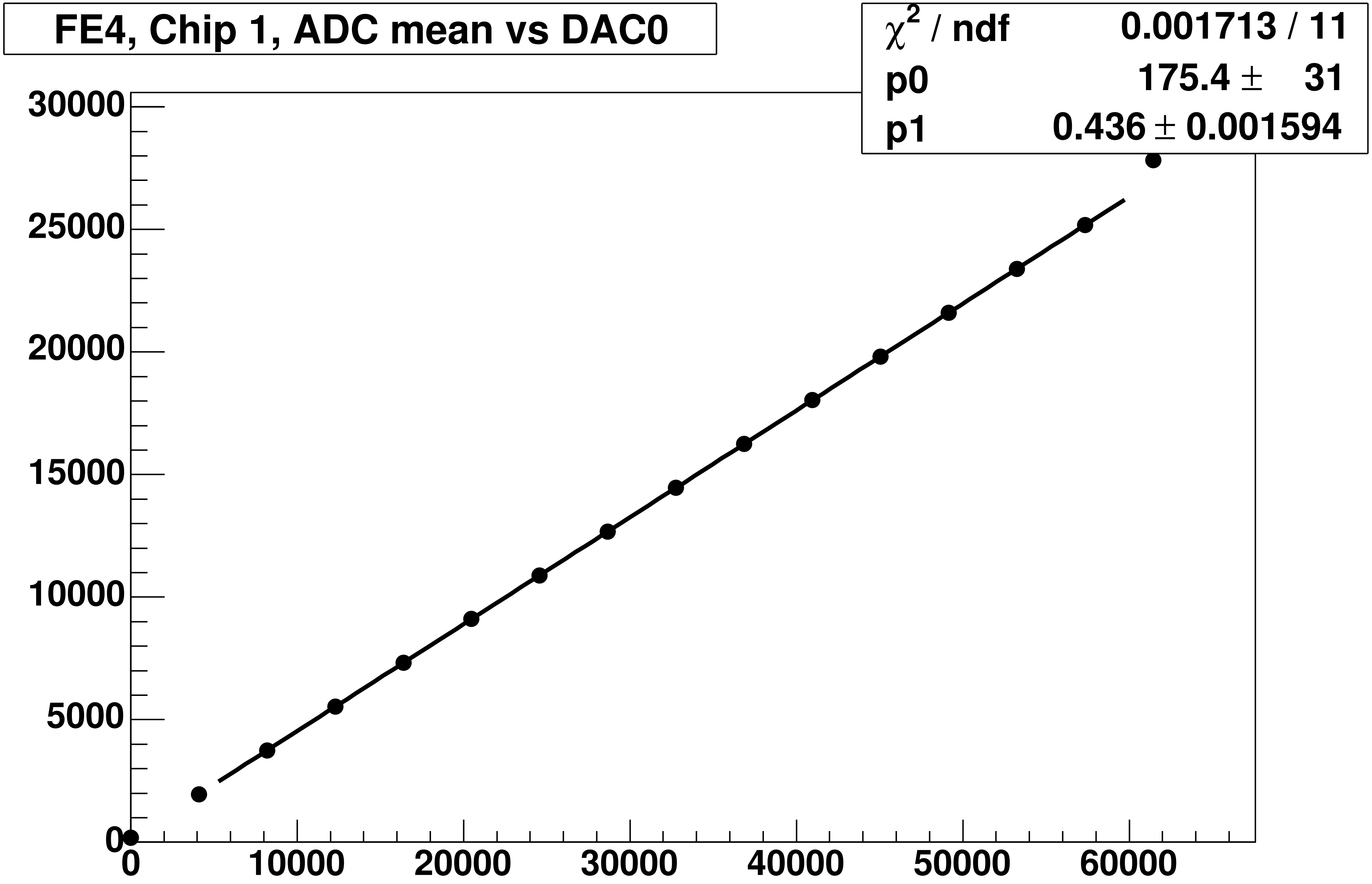
FE4, Chip 0, ADC mean vs DAC1
χ2 / ndf 2.597e-05 / 11
p0 181.2 ± 31.01
p1 0.01406 ± 0.001594
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

FE4, Chip 0, ADC noise vs DAC1

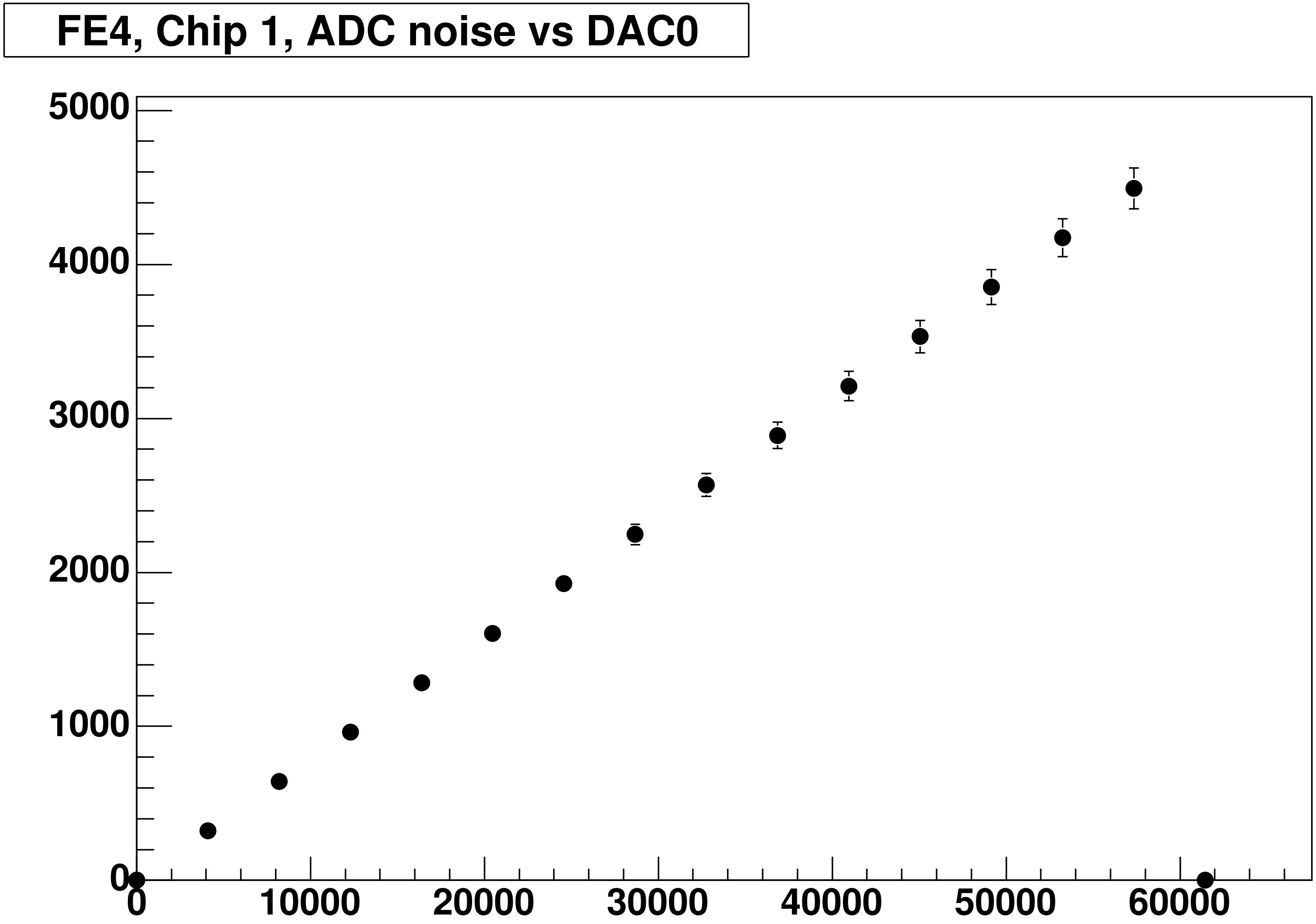


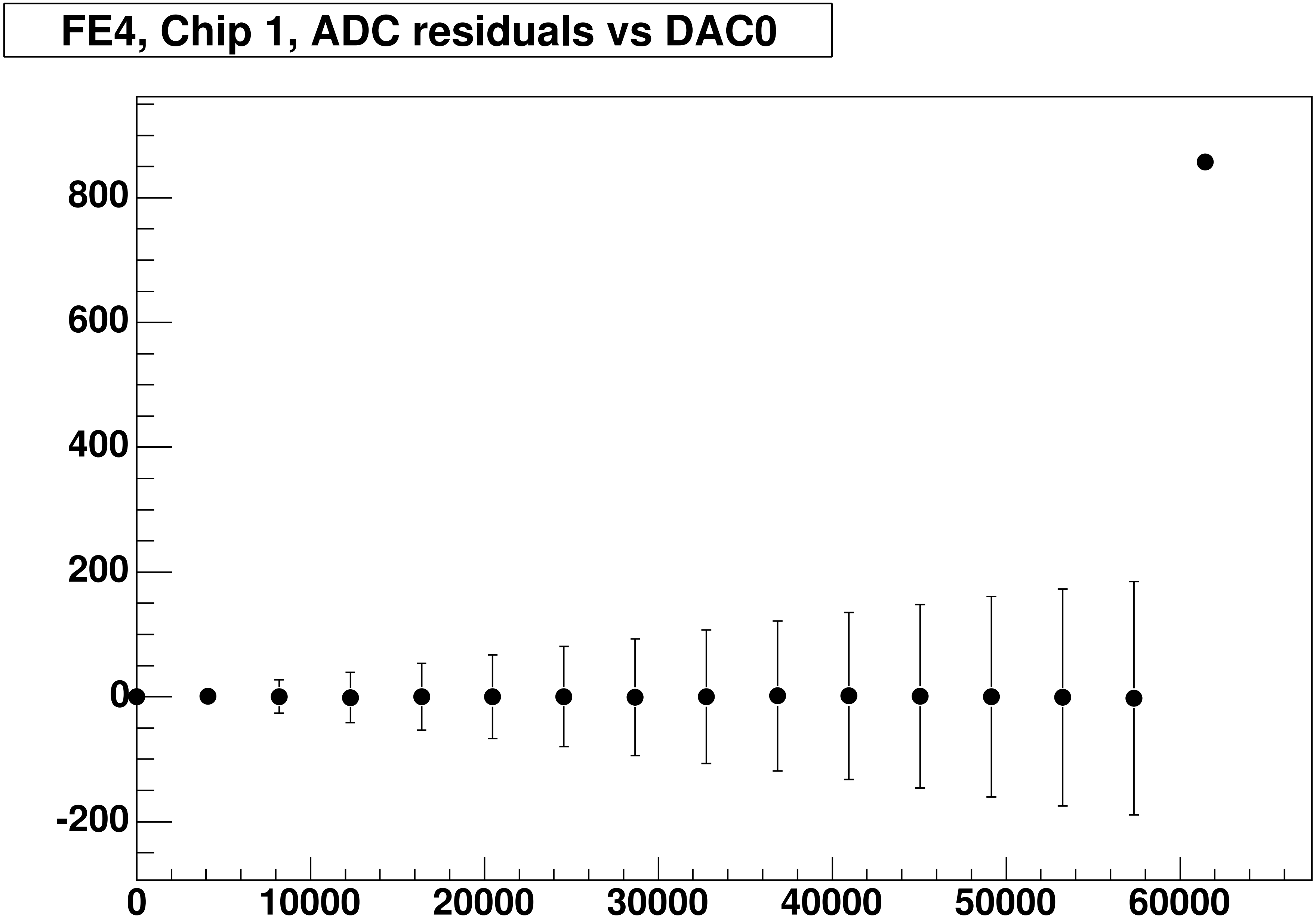


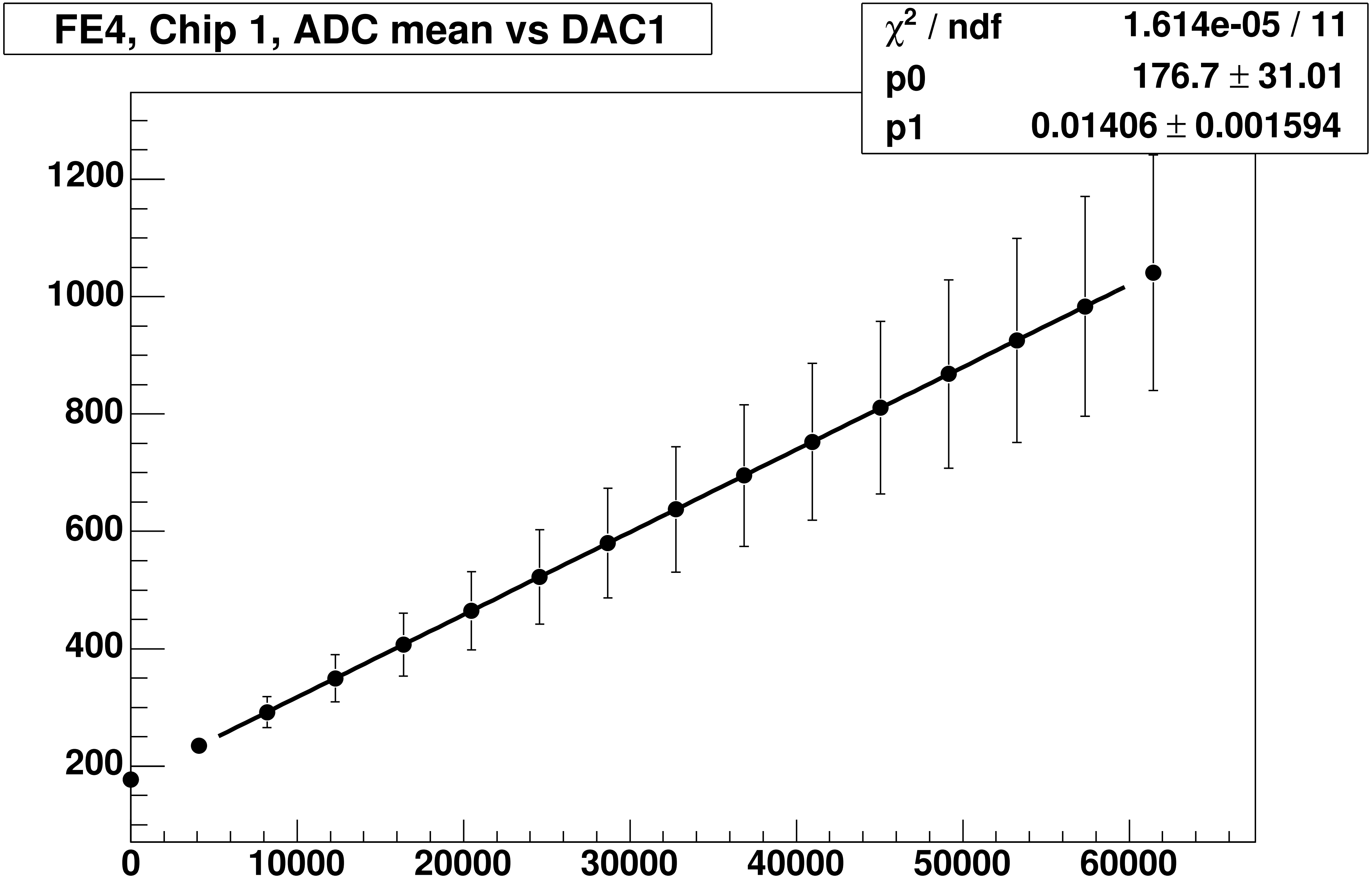
FE4, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

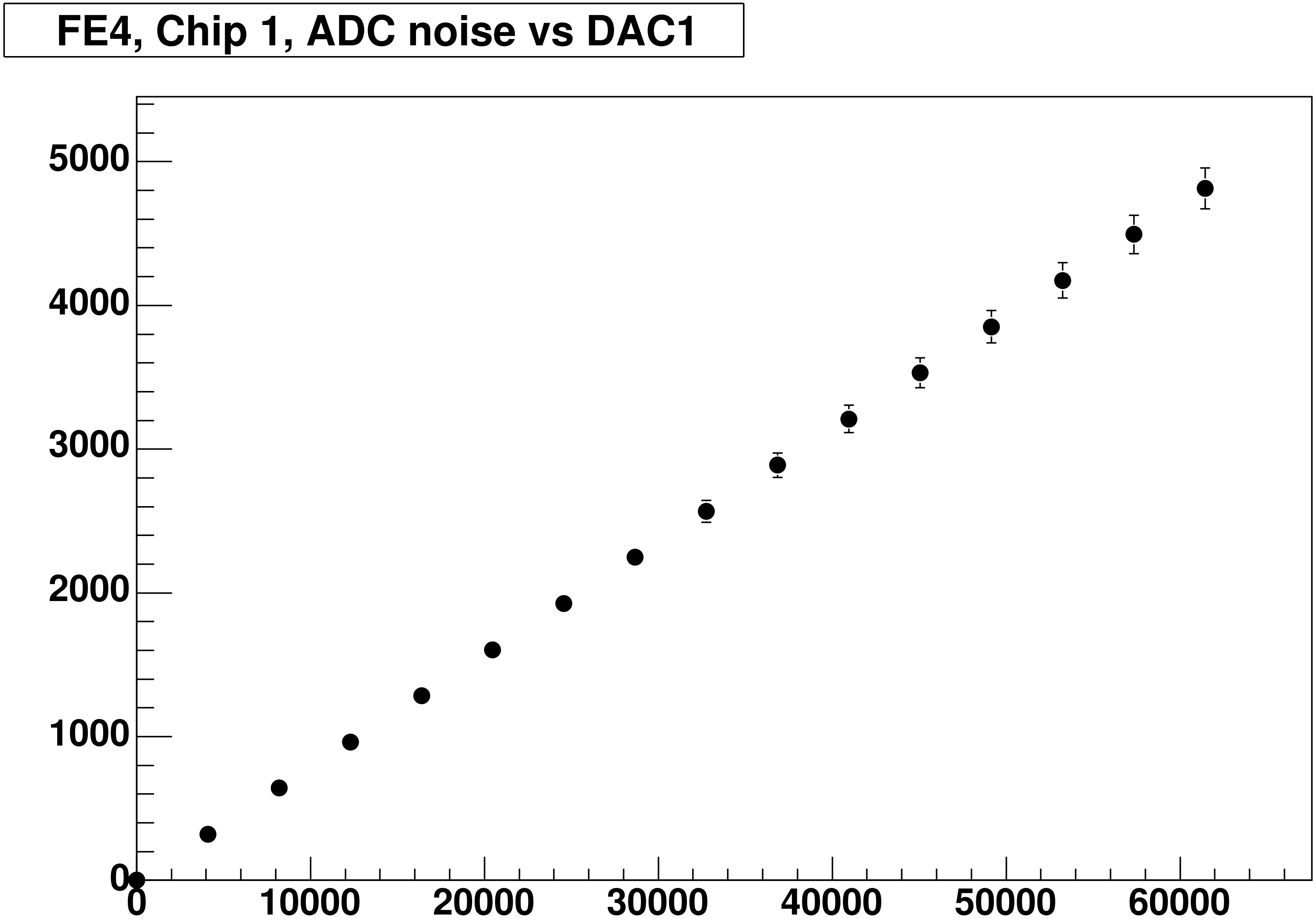


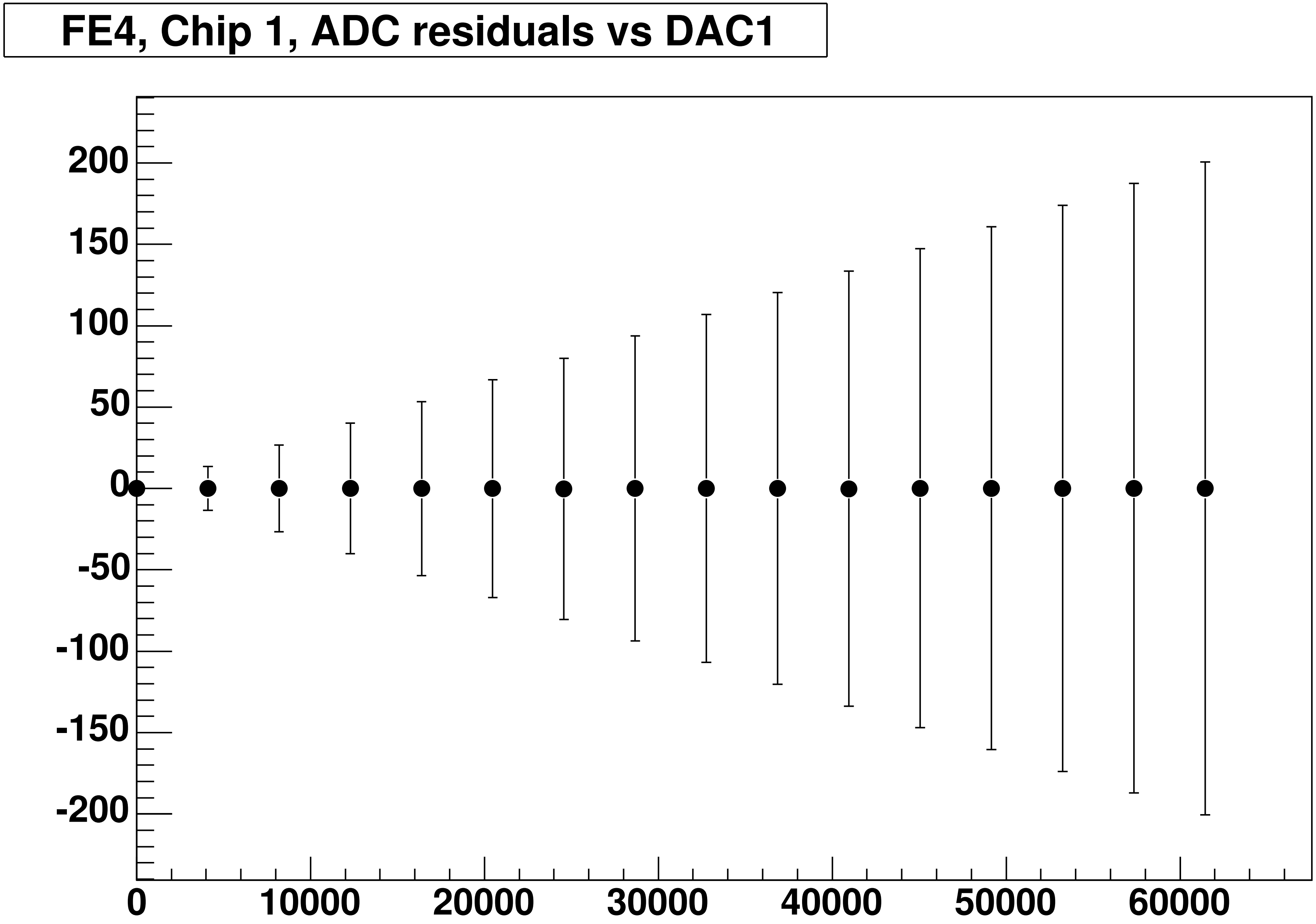
FE4, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.001713 / 11
p0 175.4 ± 31
p1 0.436 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

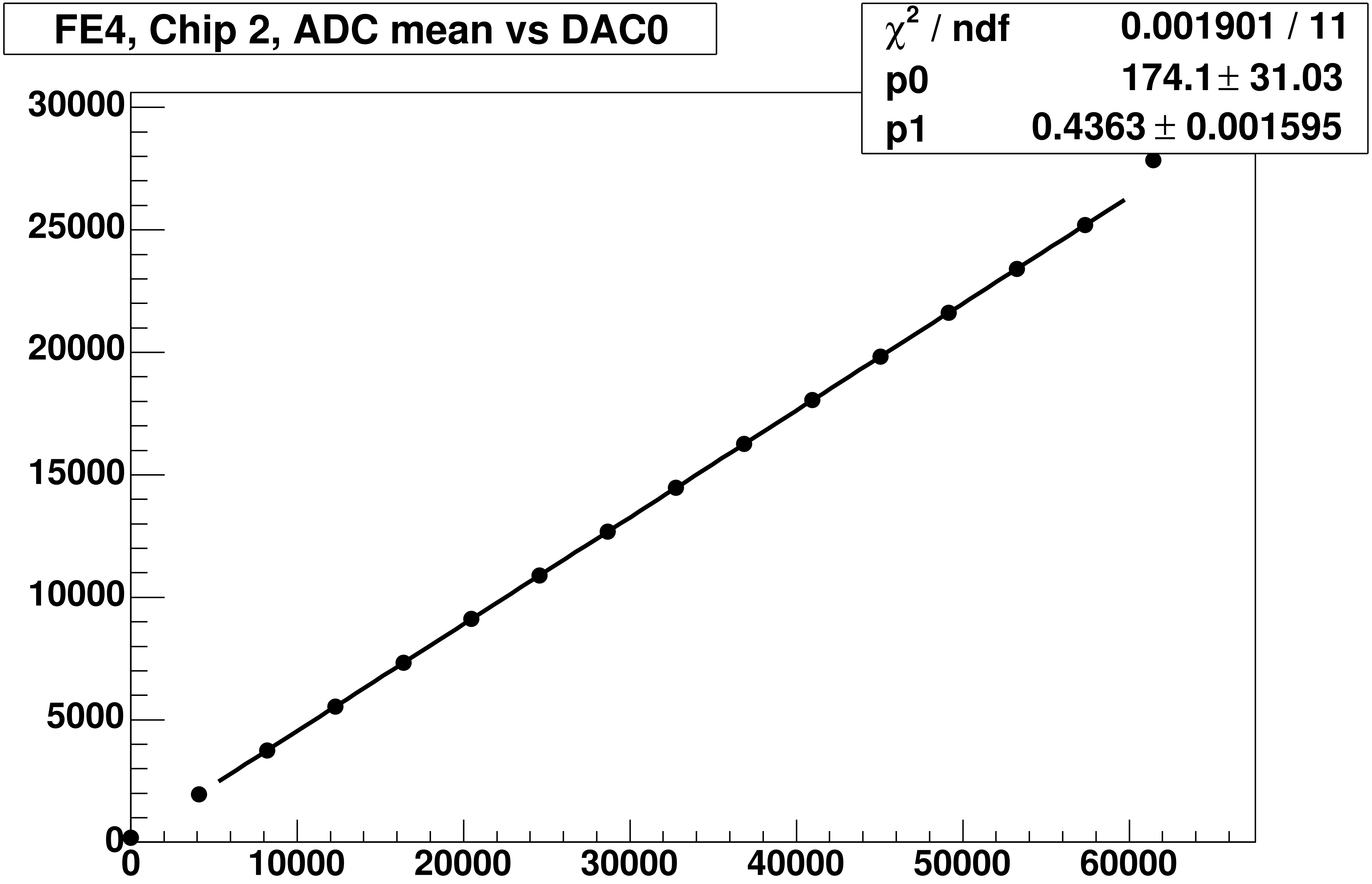

FE4, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

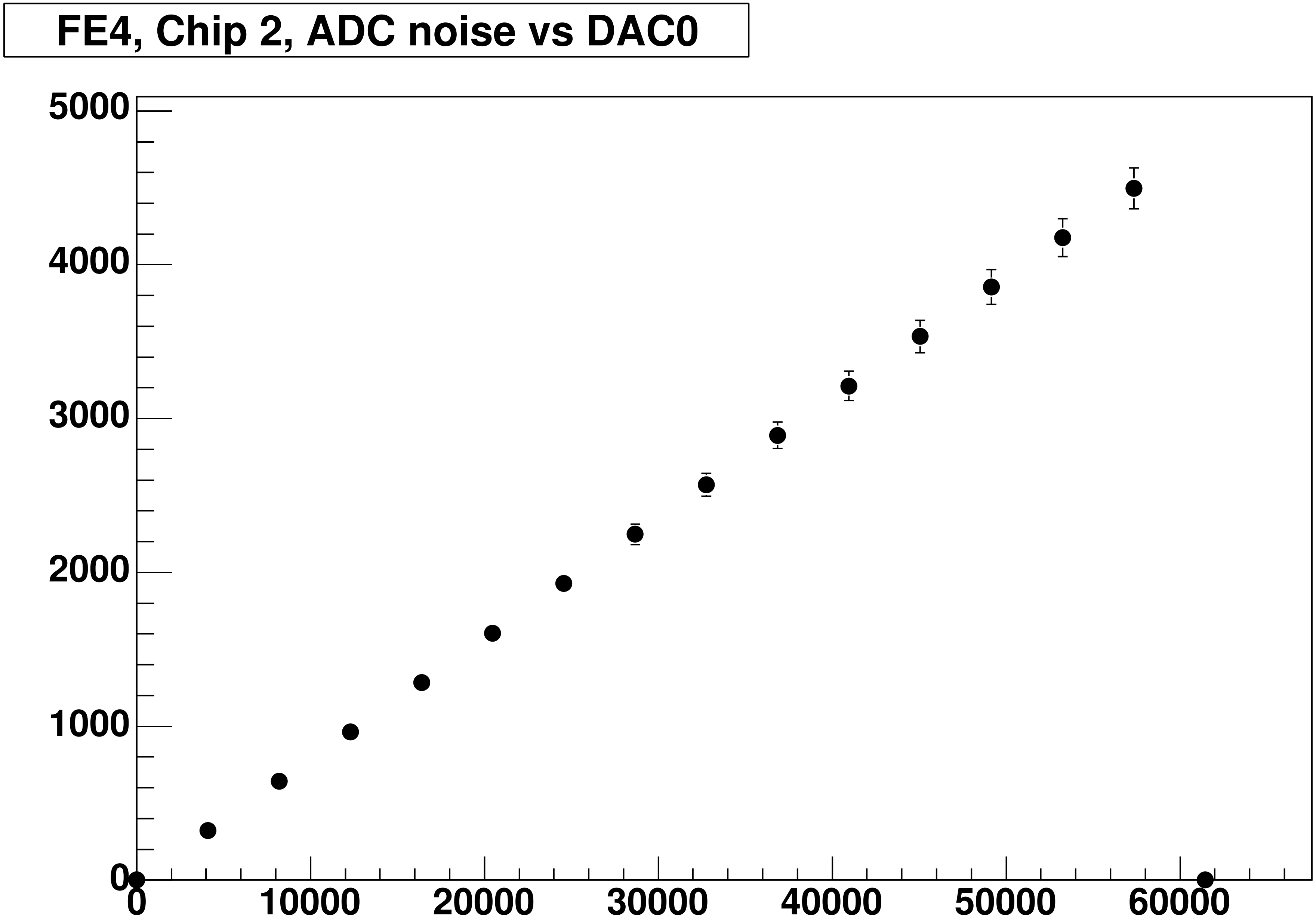

FE4, Chip 1, ADC mean vs DAC1
χ^2 / ndf 1.614e-05 / 11
p0 176.7 ± 31.01
p1 0.01406 ± 0.001594
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

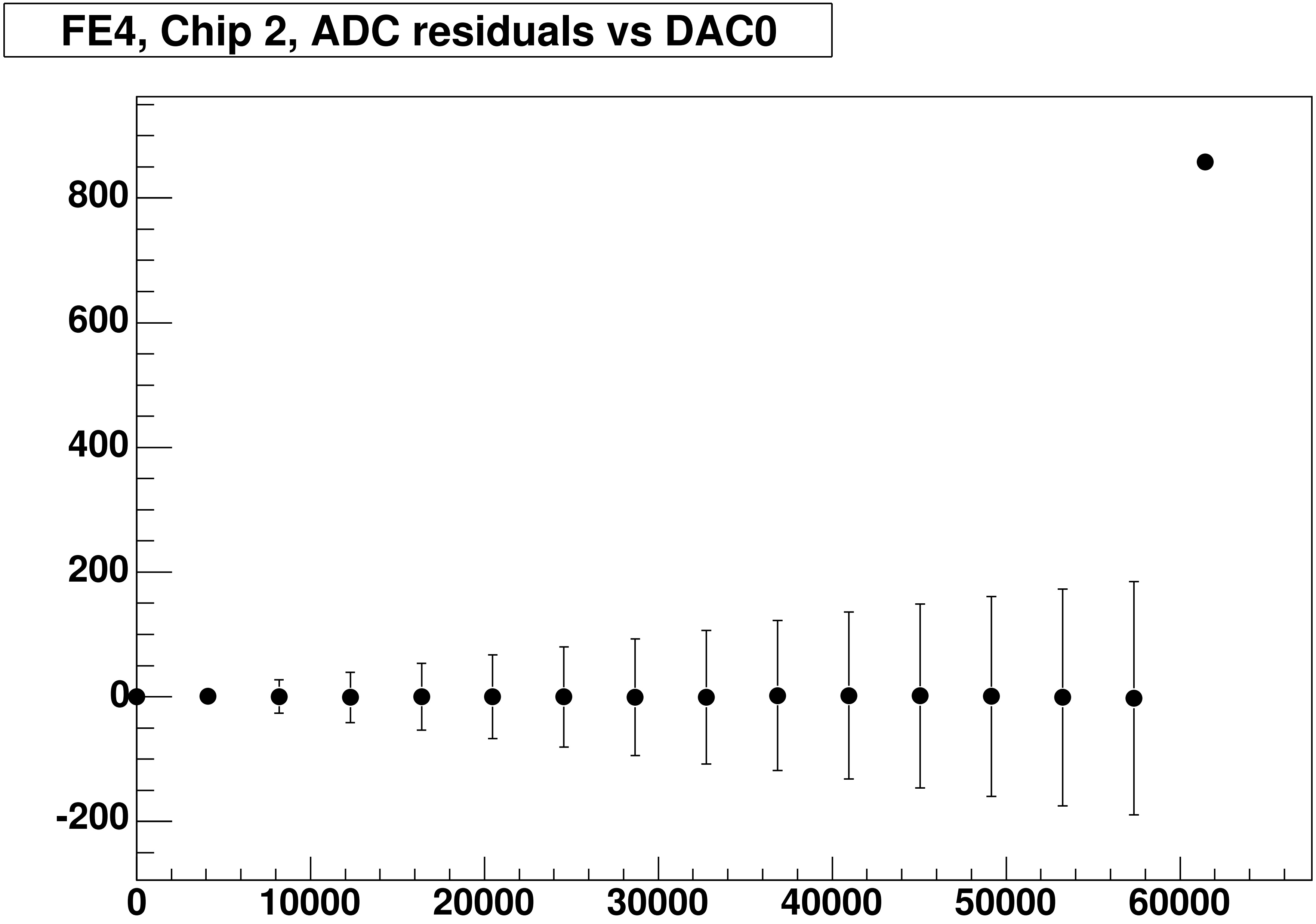

FE4, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

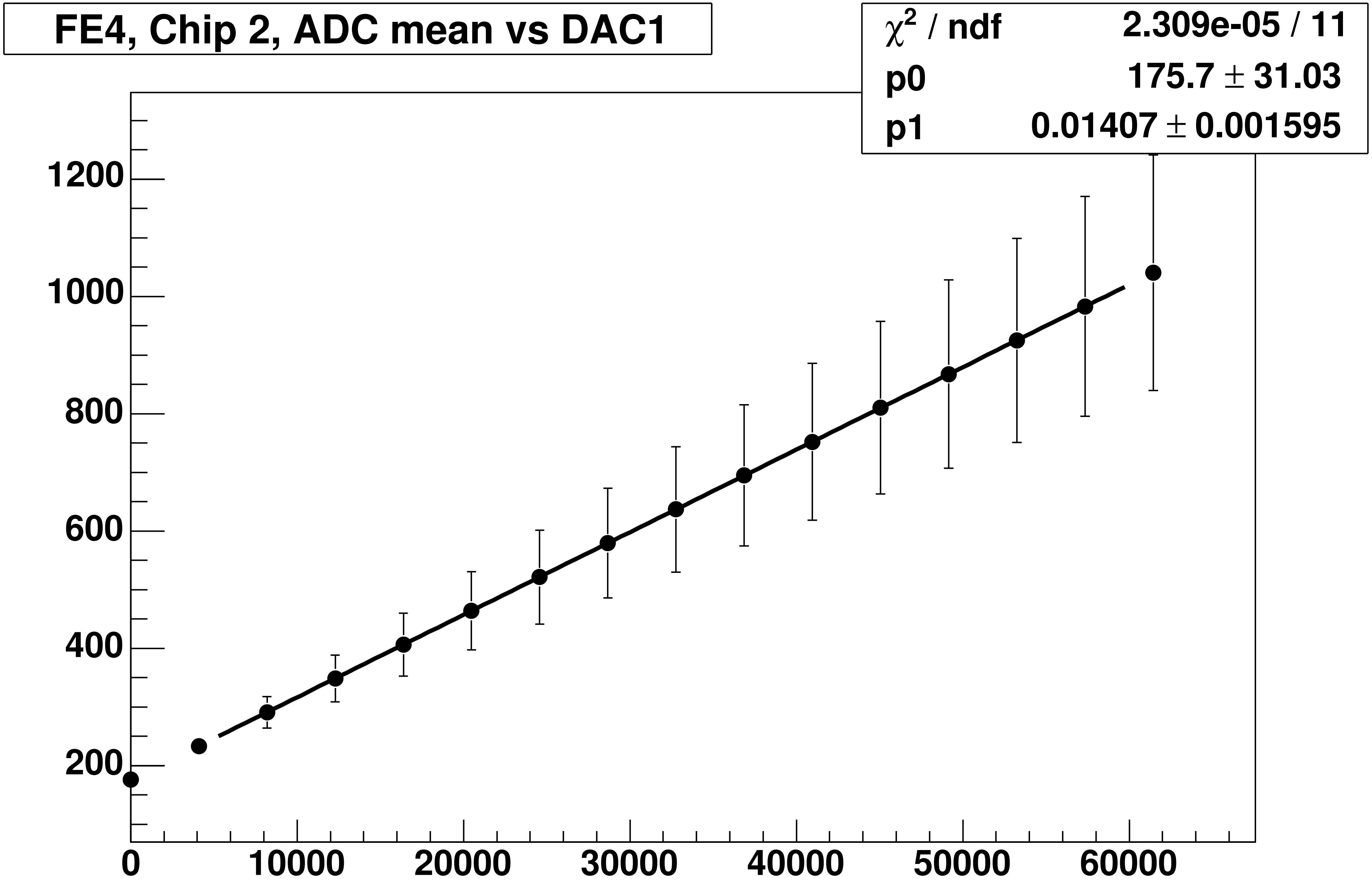


FE4, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001901 / 11
p0 174.1 ± 31.03
p1 0.4363 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

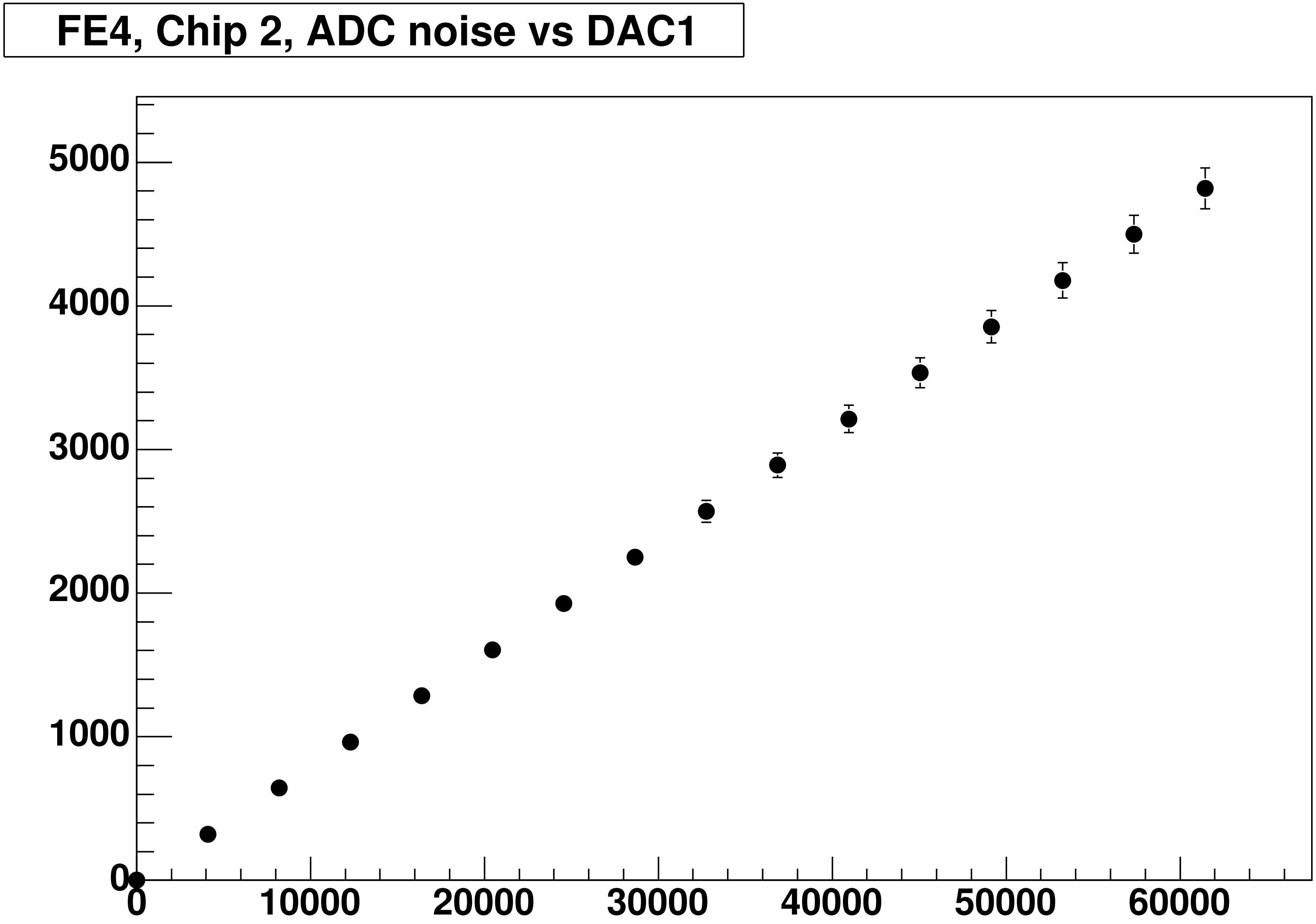

FE4, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

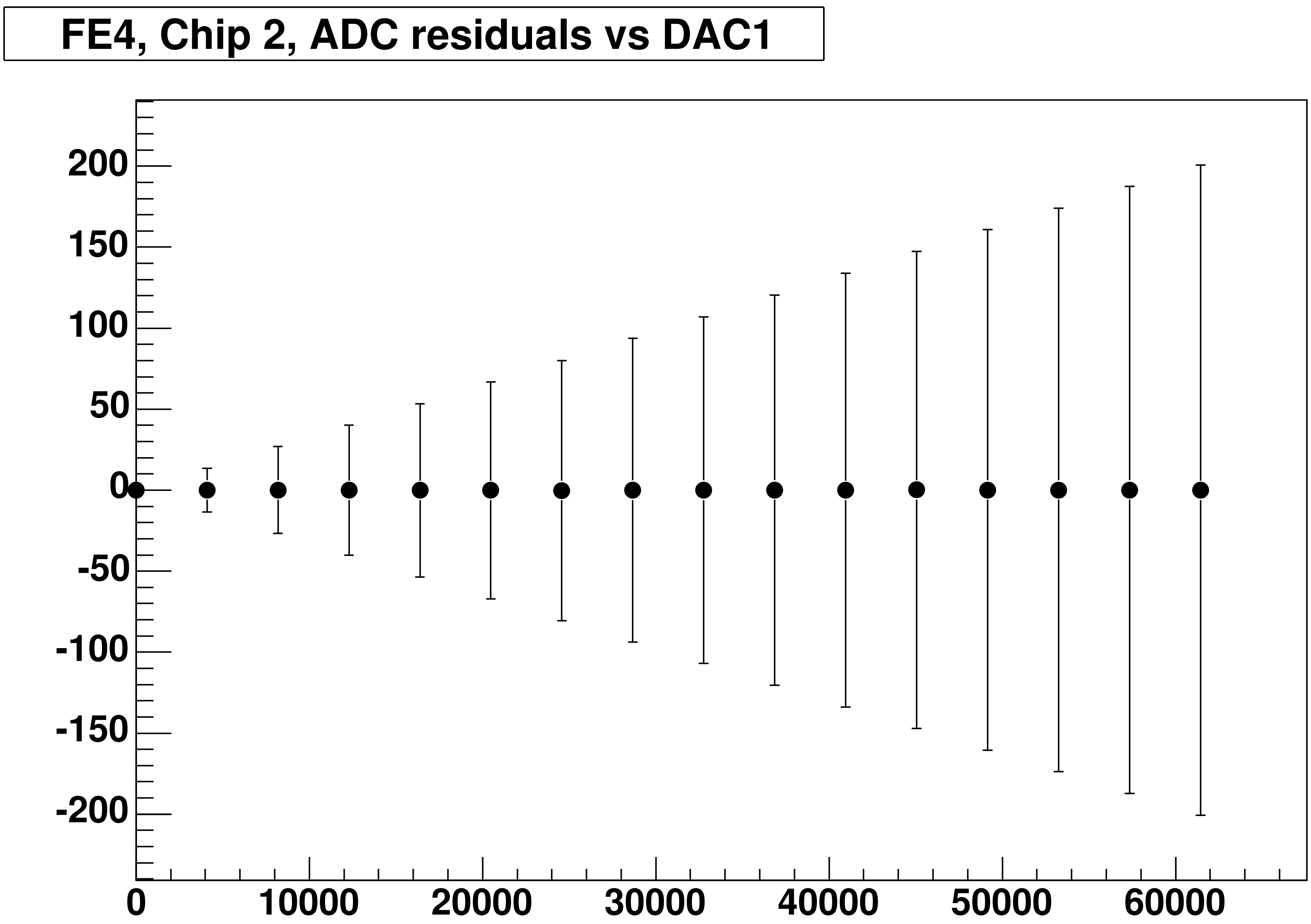


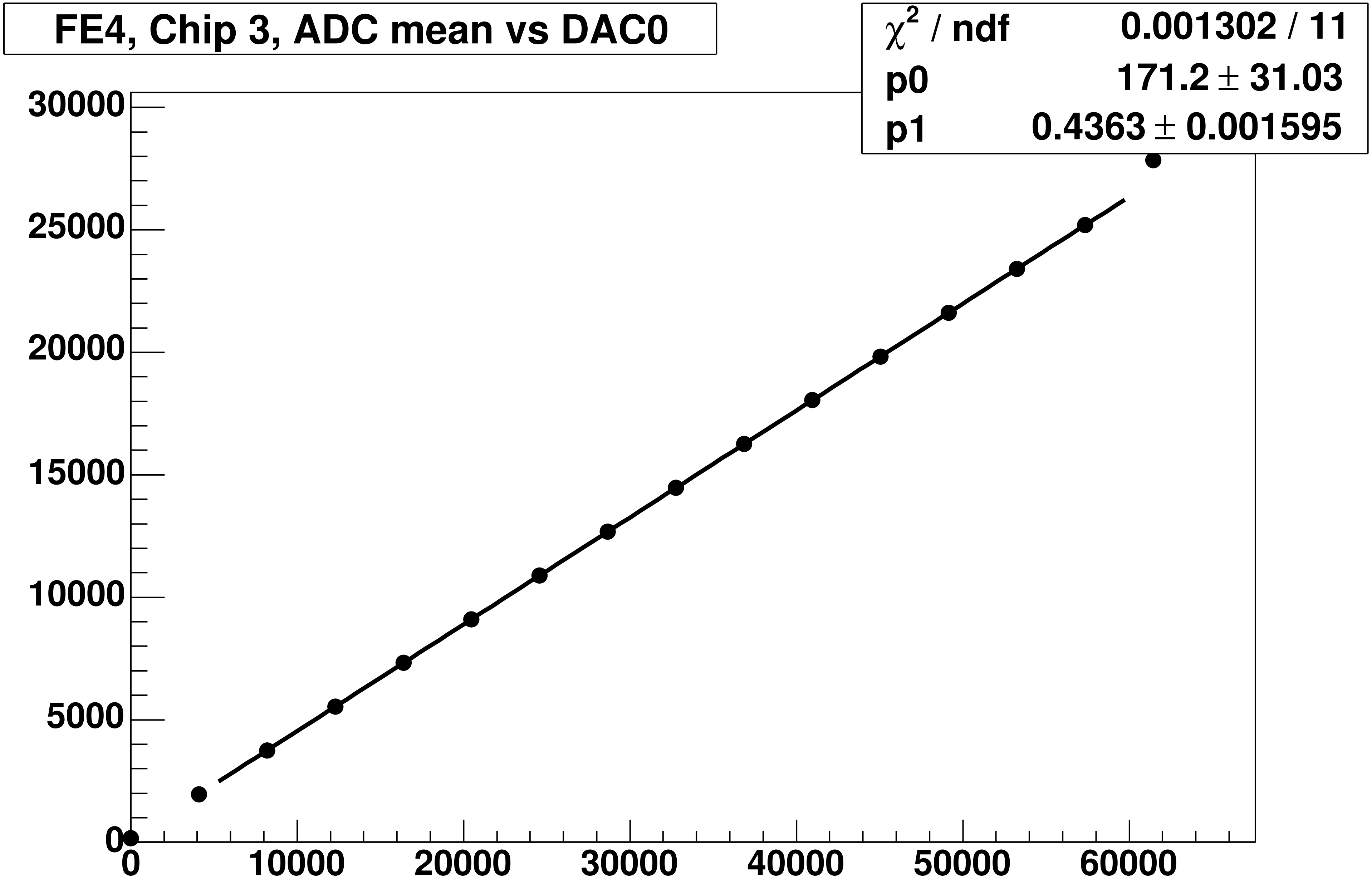
FE4, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

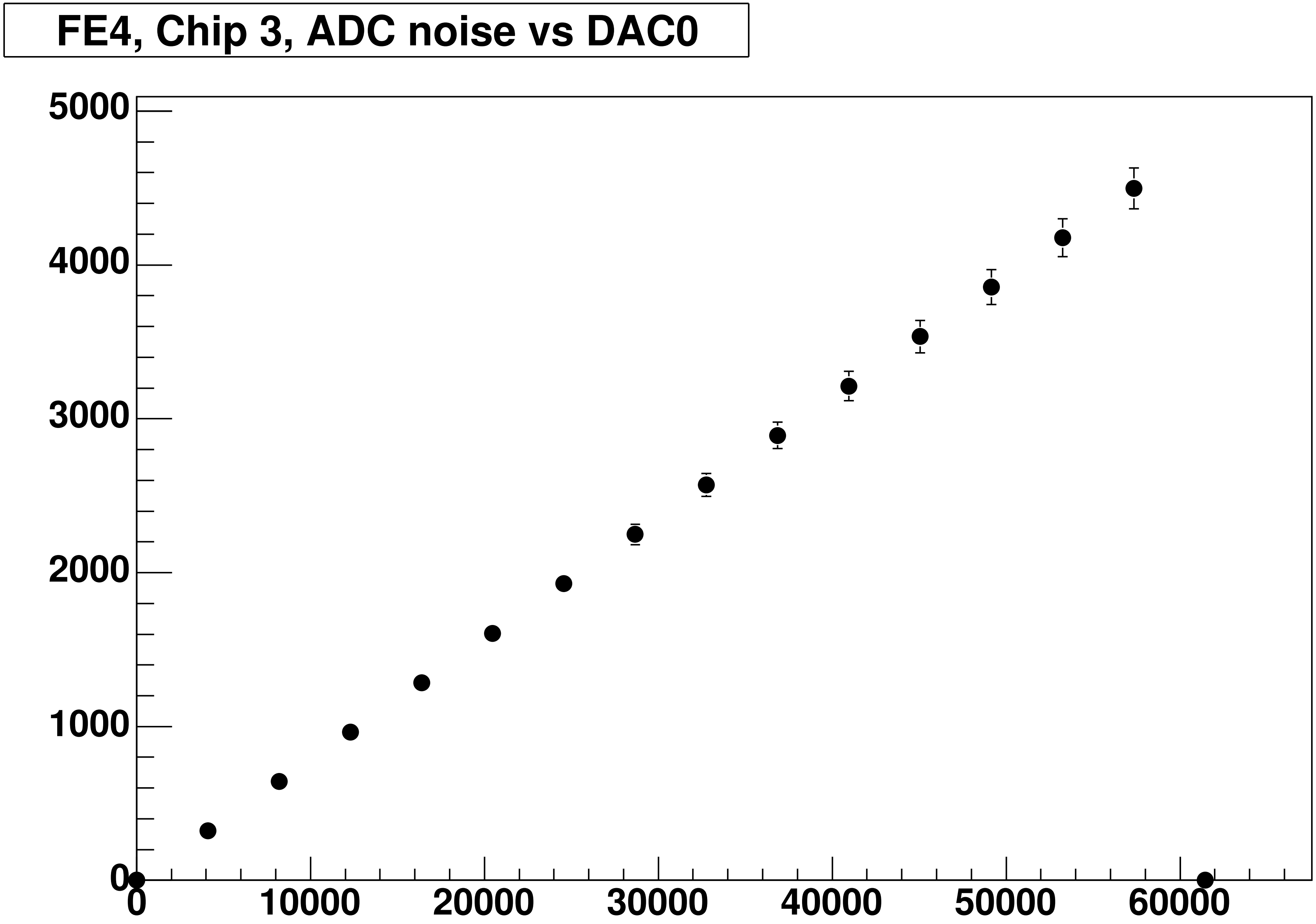


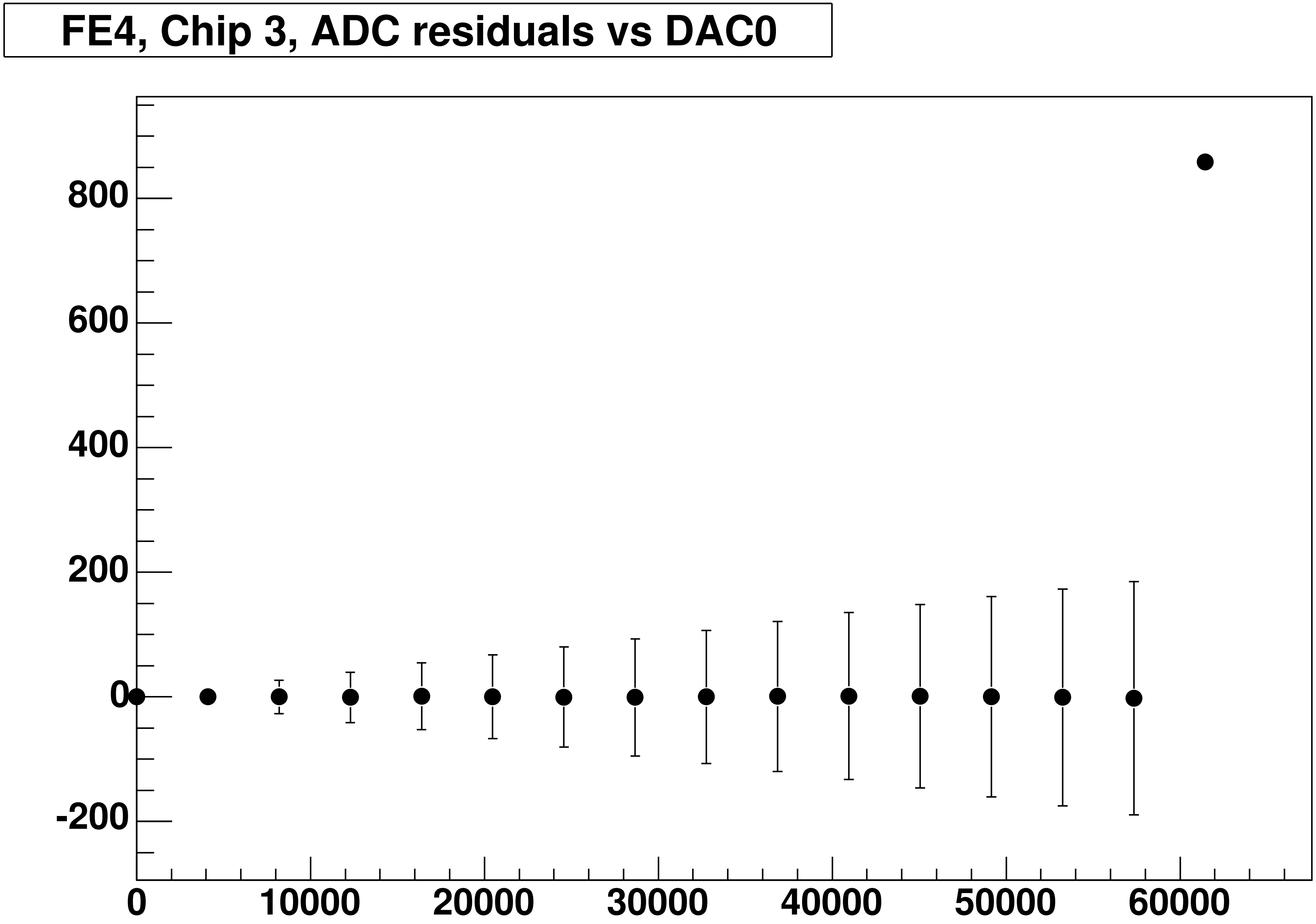
FE4, Chip 2, ADC mean vs DAC1
χ2 / ndf 2.309e-05 / 11
p0 175.7 ± 31.03
p1 0.01407 ± 0.001595
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000


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

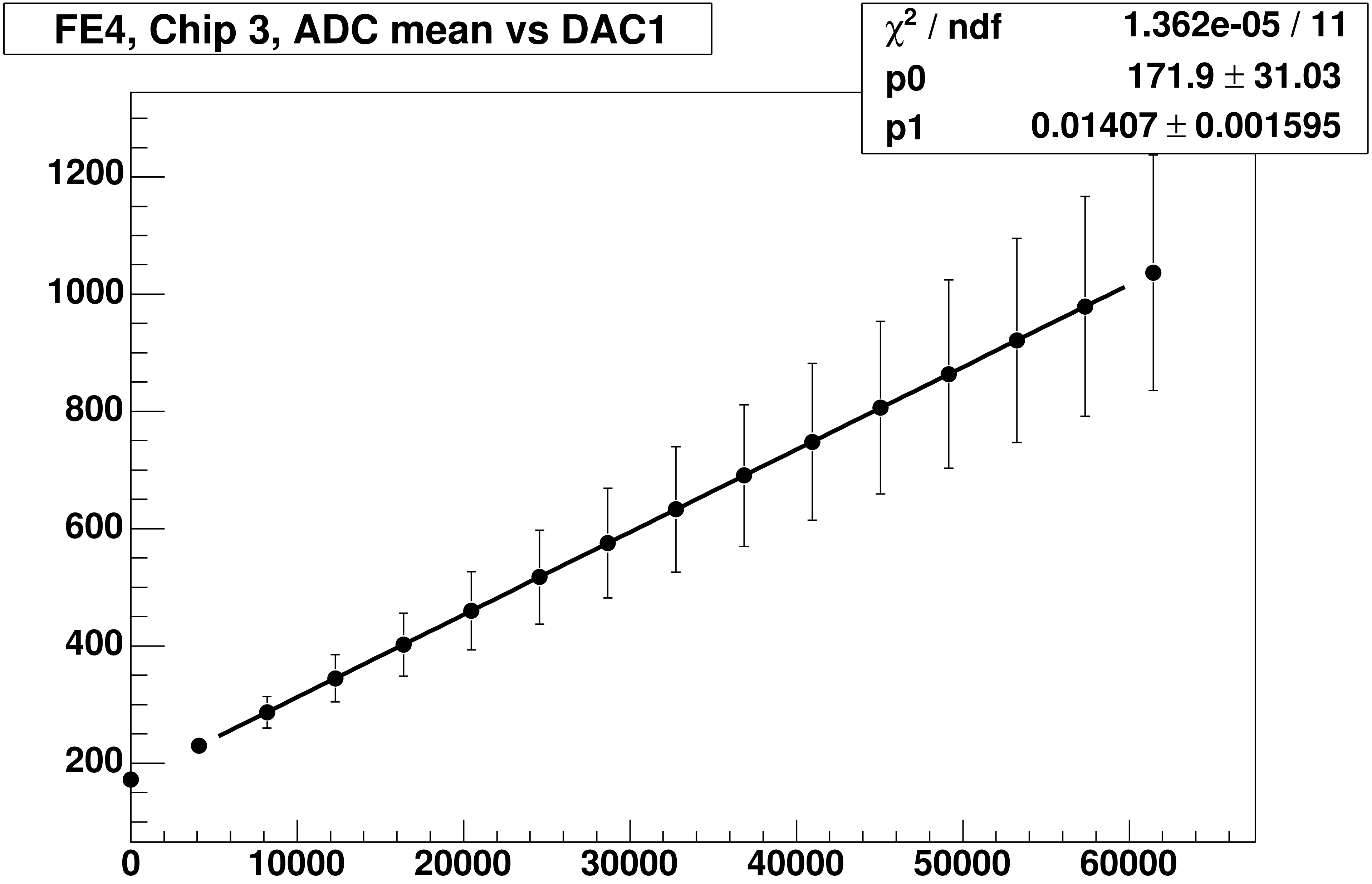

FE4, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 3, ADC mean vs DAC0
χ² / ndf 0.001302 / 11
p0 171.2 ± 31.03
p1 0.4363 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


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

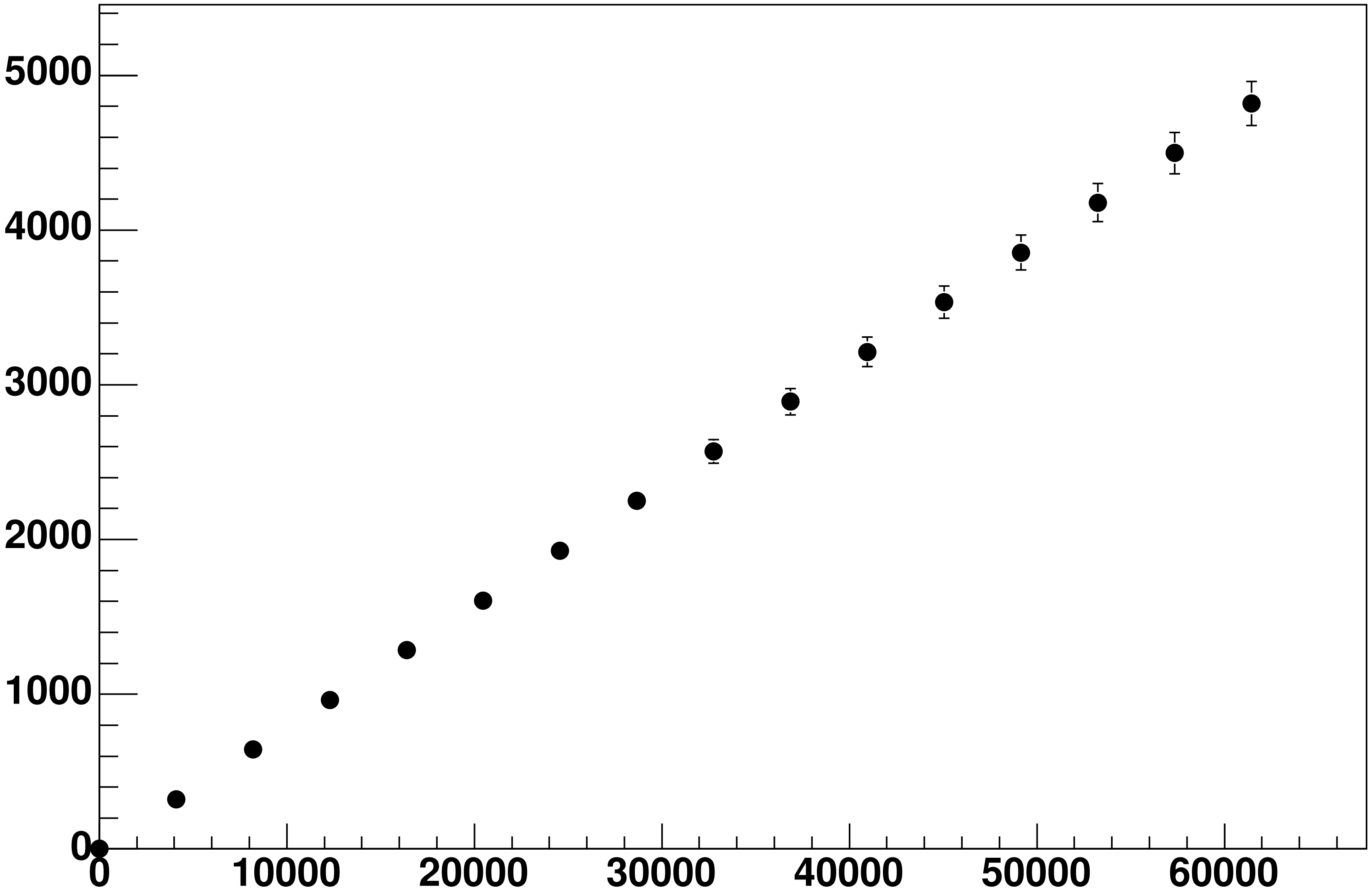


FE4, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

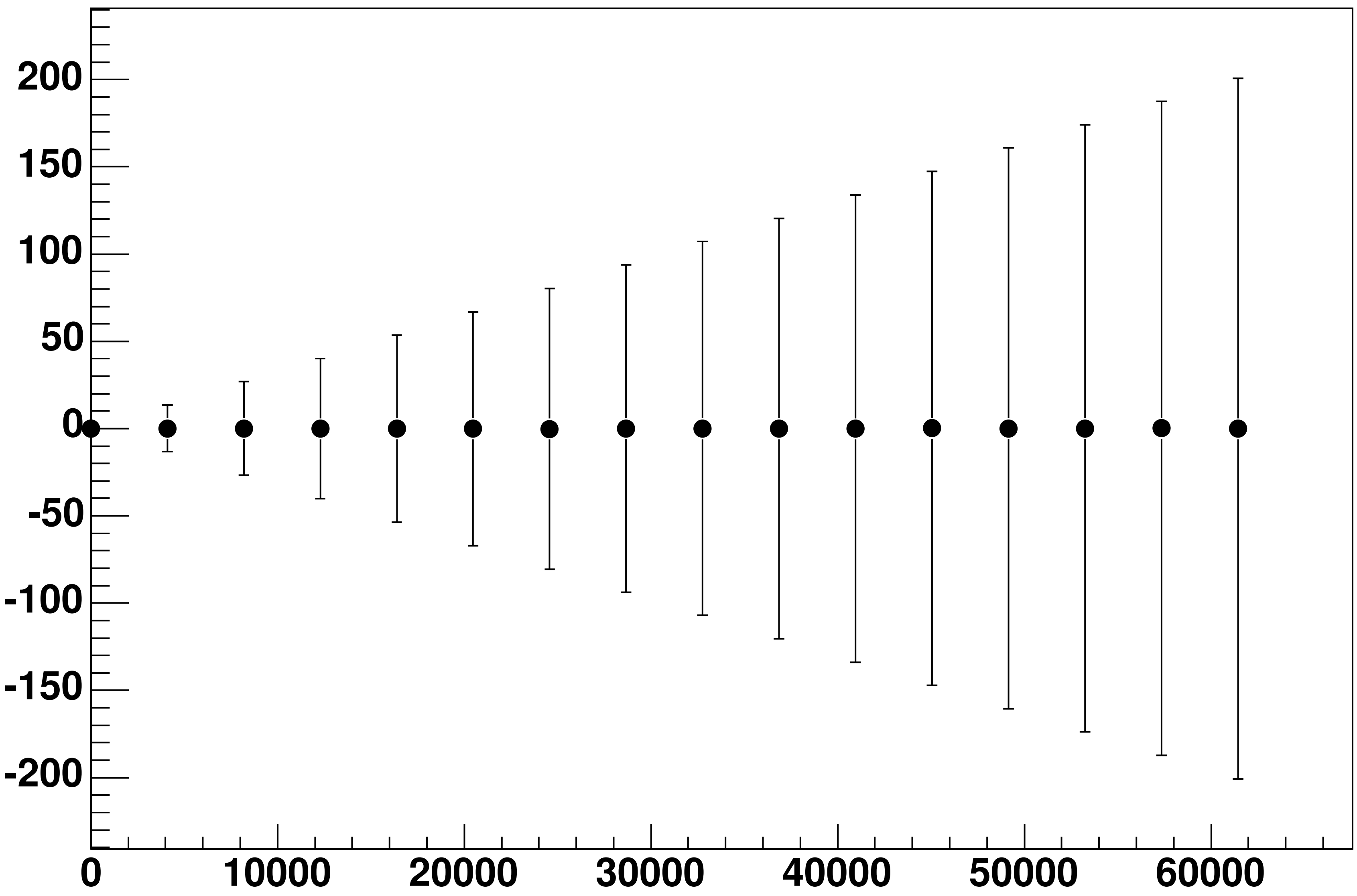


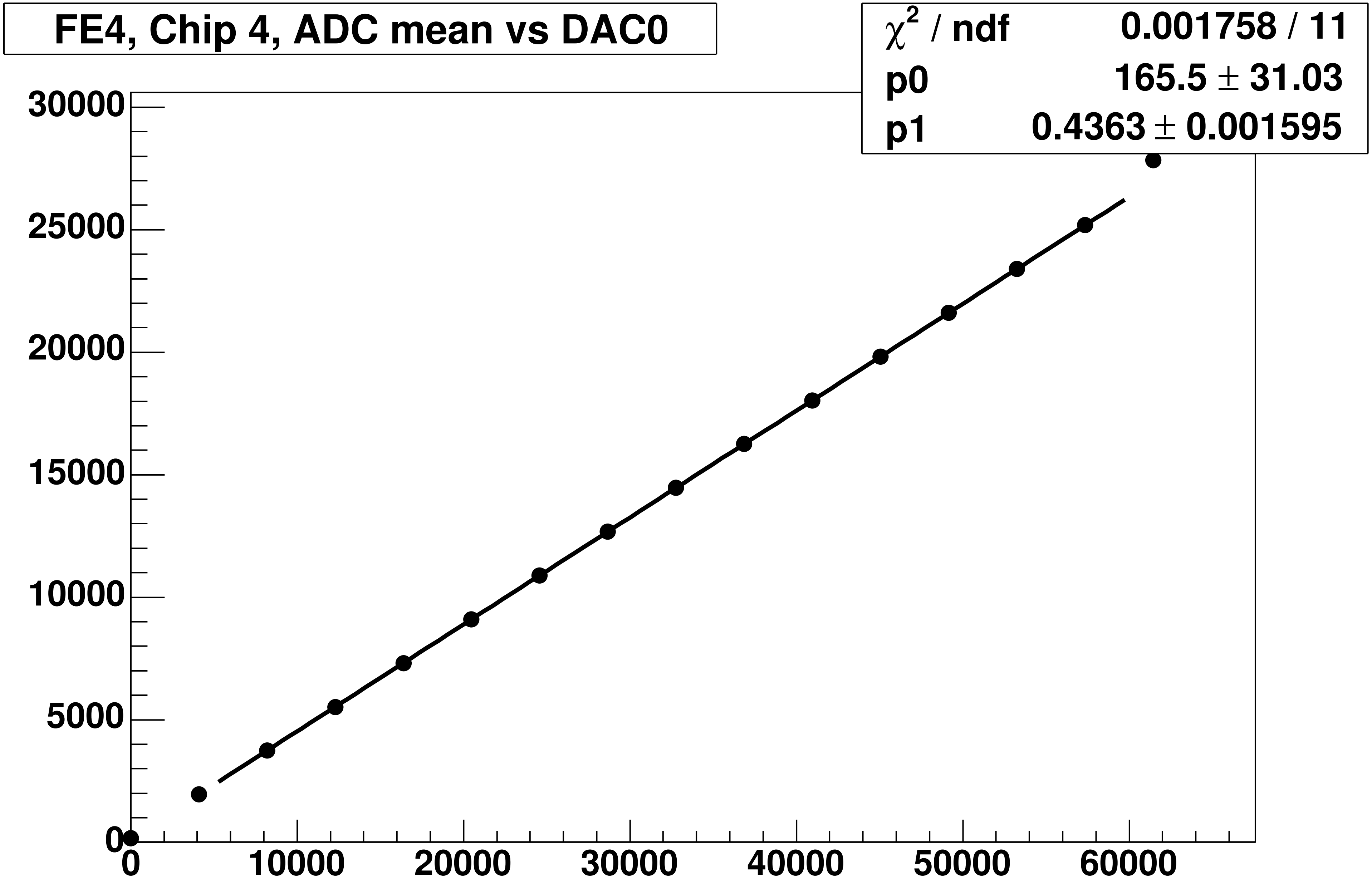
FE4, Chip 3, ADC mean vs DAC1
χ^2 / ndf 1.362e-05 / 11
p0 171.9 ± 31.03
p1 0.01407 ± 0.001595
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

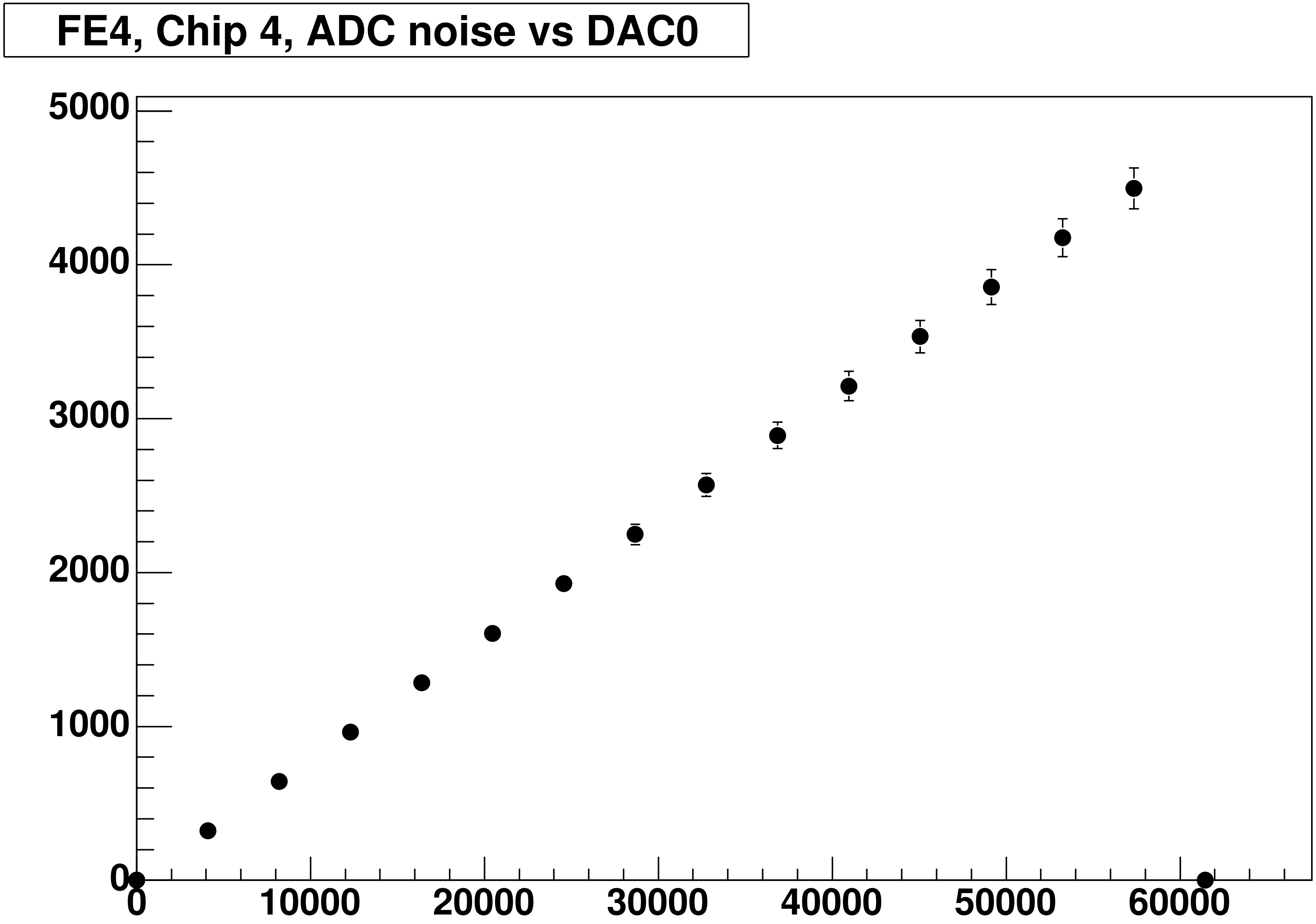
FE4, Chip 3, ADC noise vs DAC1



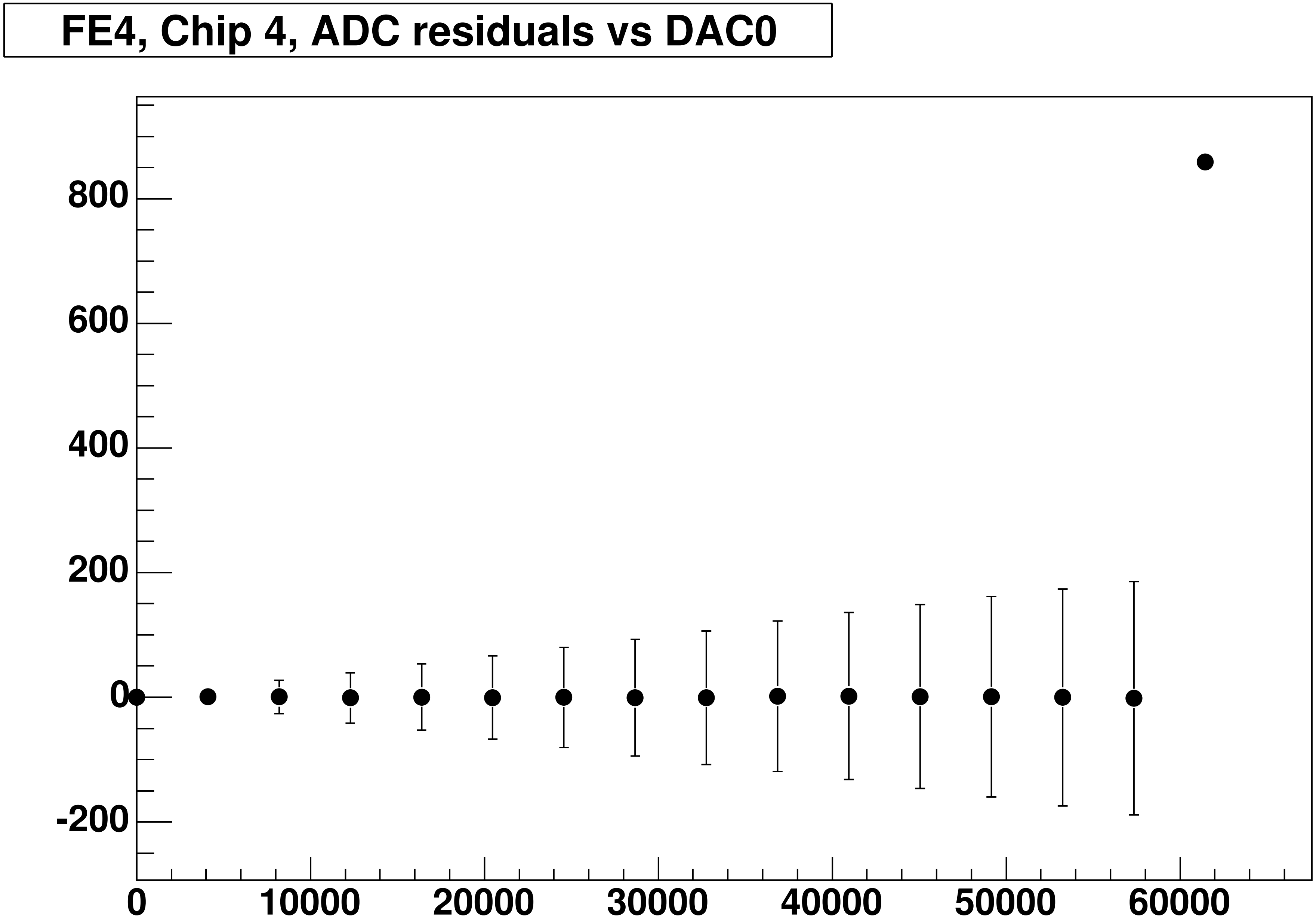
FE4, Chip 3, ADC residuals vs DAC1

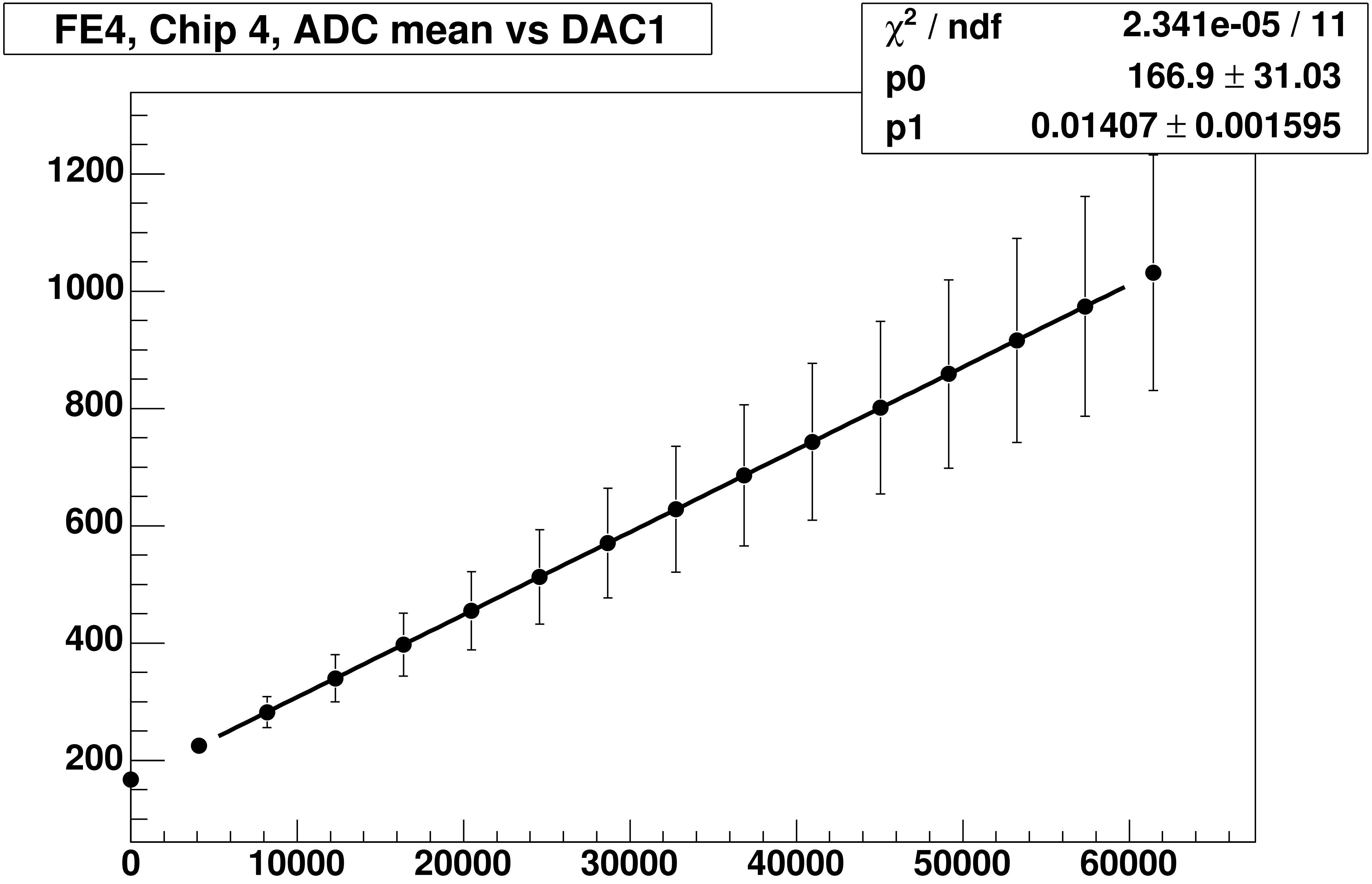


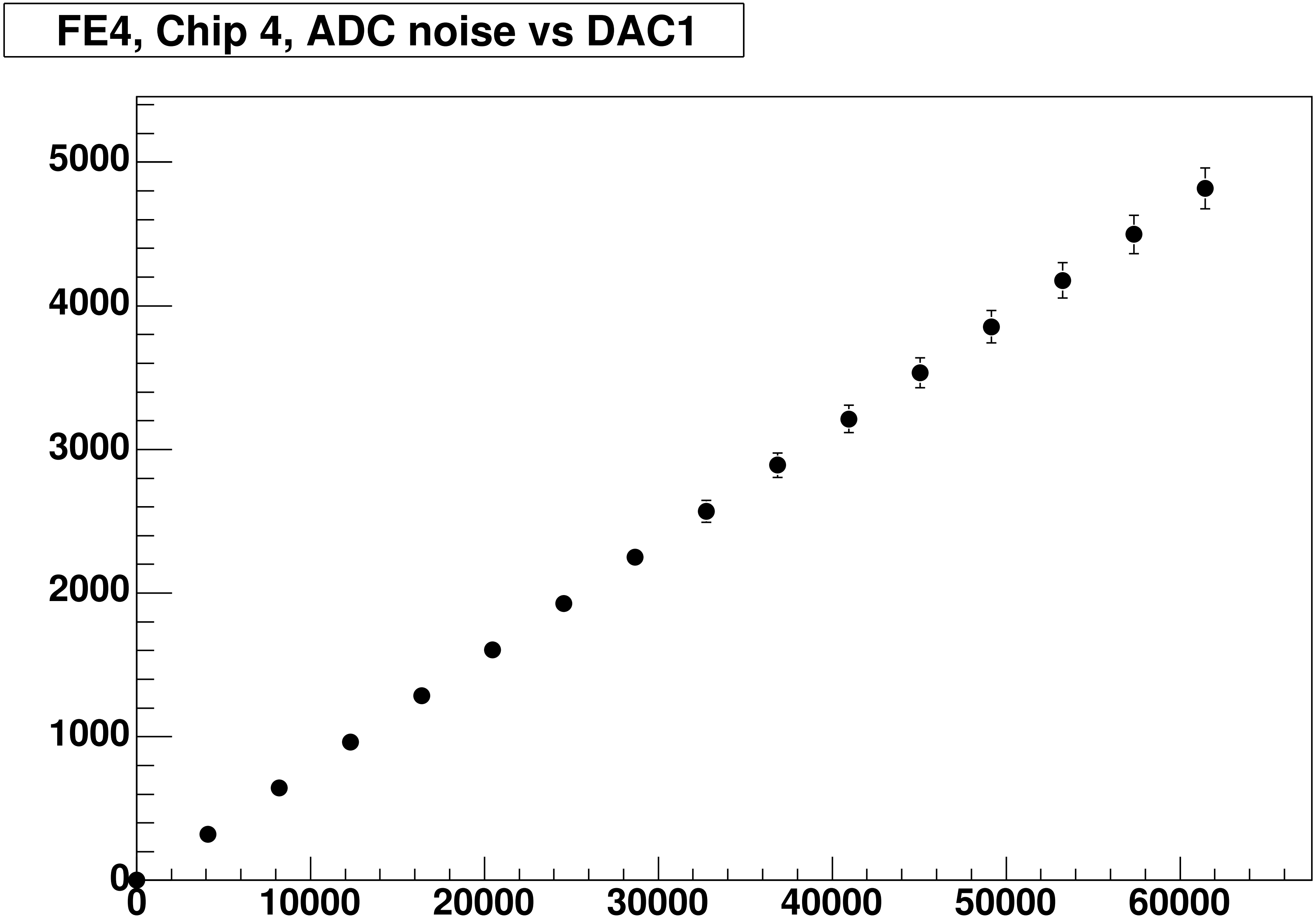

FE4, Chip 4, ADC mean vs DAC0
χ2 / ndf 0.001758 / 11
p0 165.5 ± 31.03
p1 0.4363 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

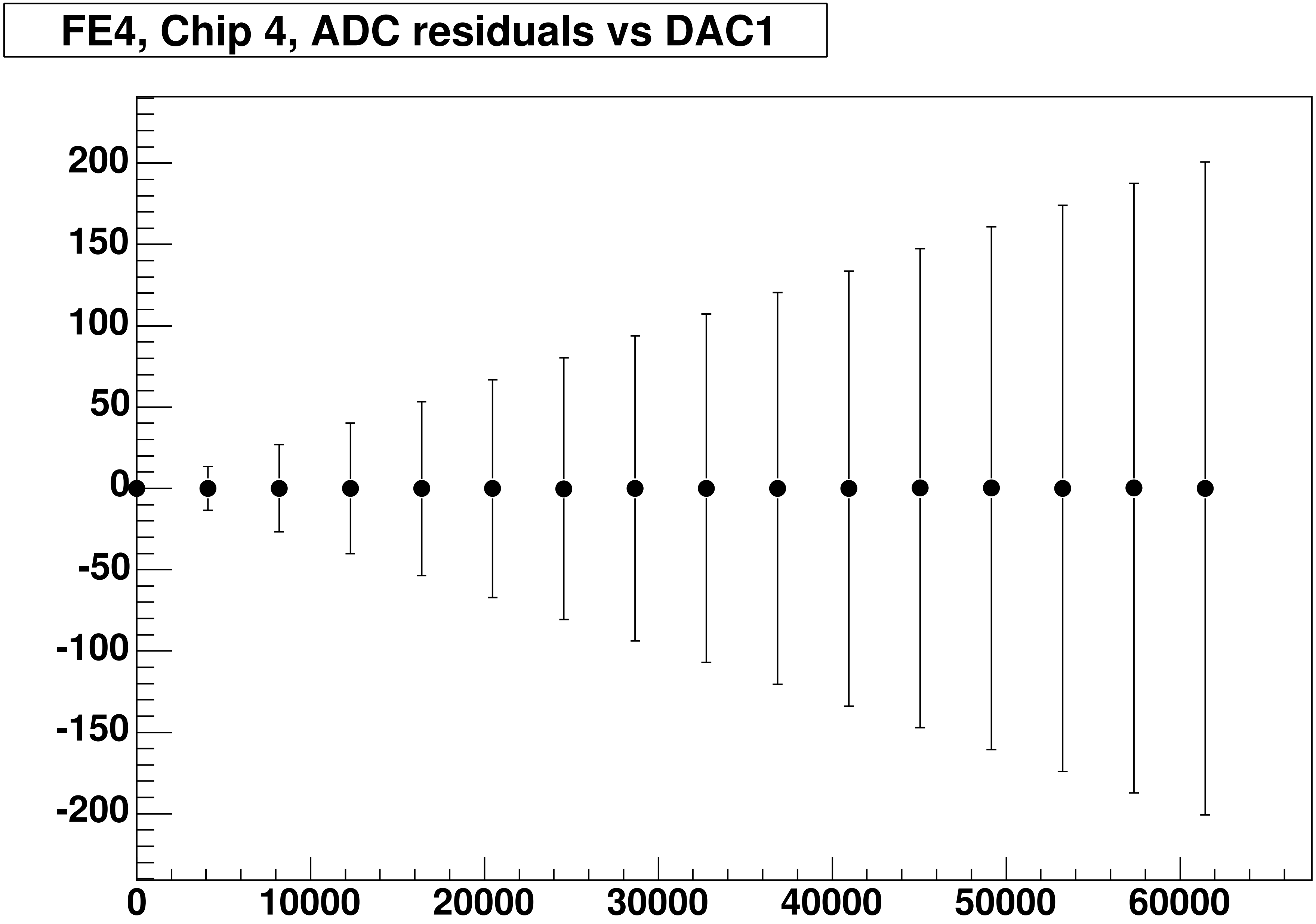


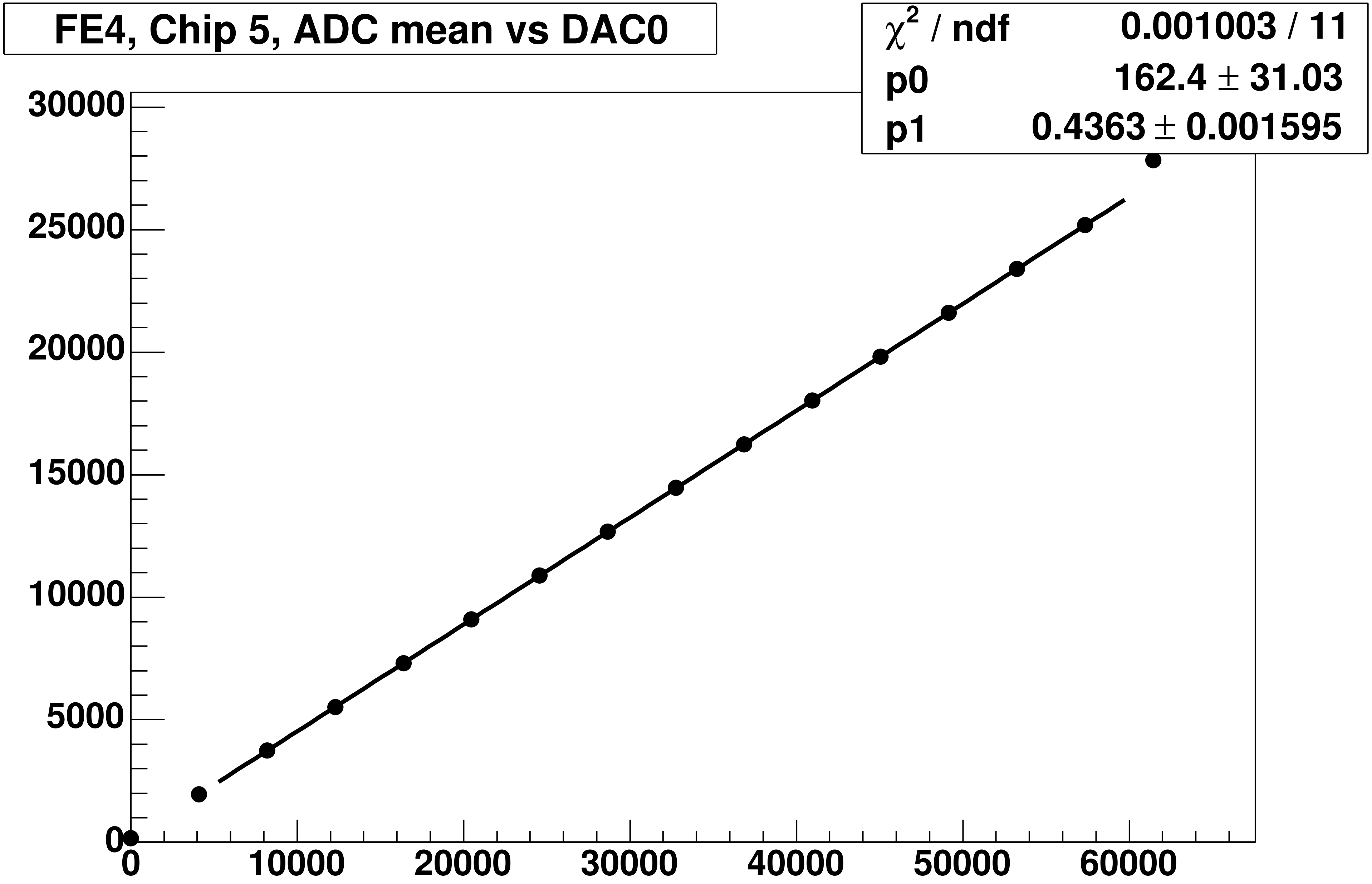
FE4, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

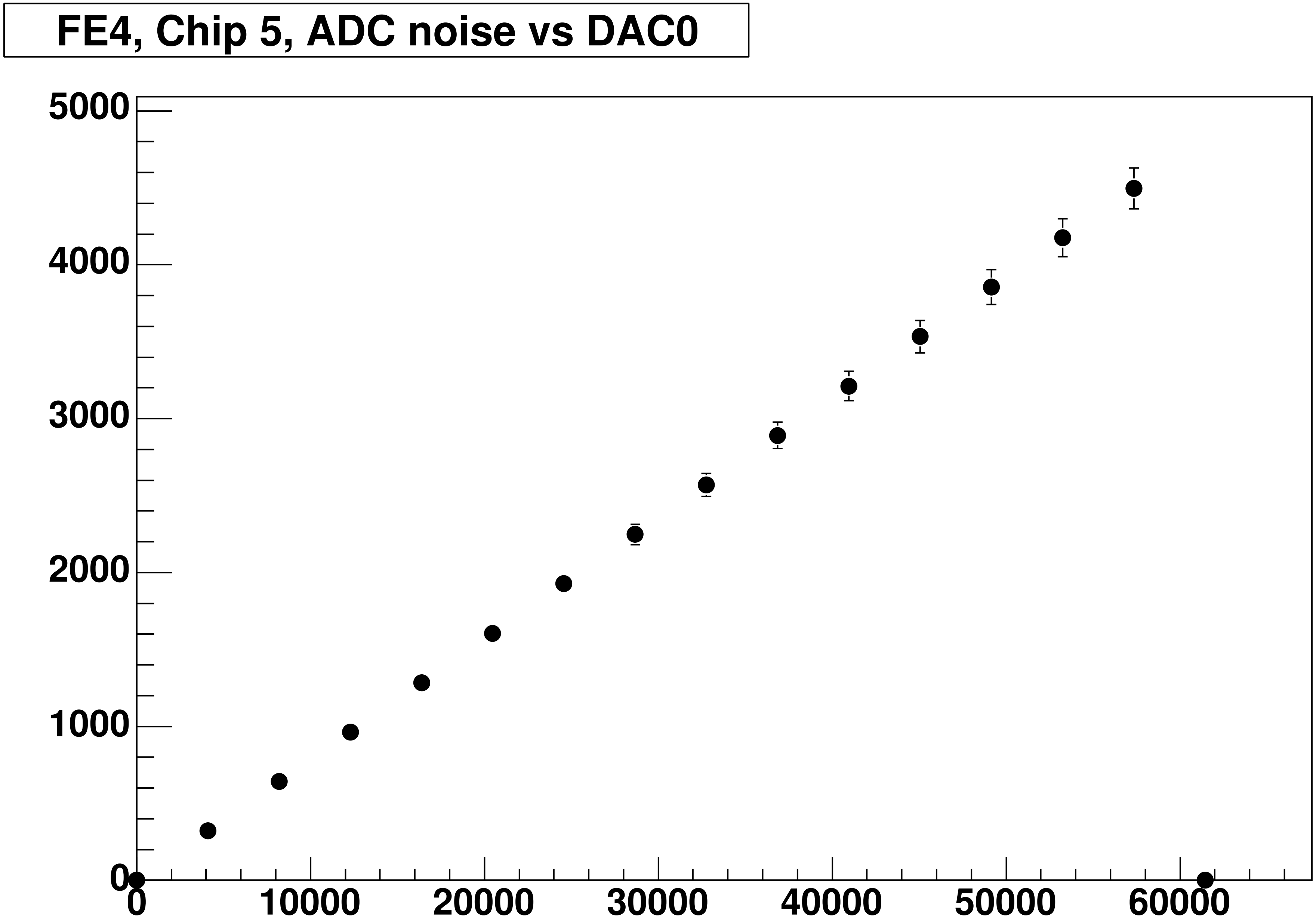

FE4, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 4, ADC mean vs DAC1
χ2 / ndf 2.341e-05 / 11
p0 166.9 ± 31.03
p1 0.01407 ± 0.001595
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

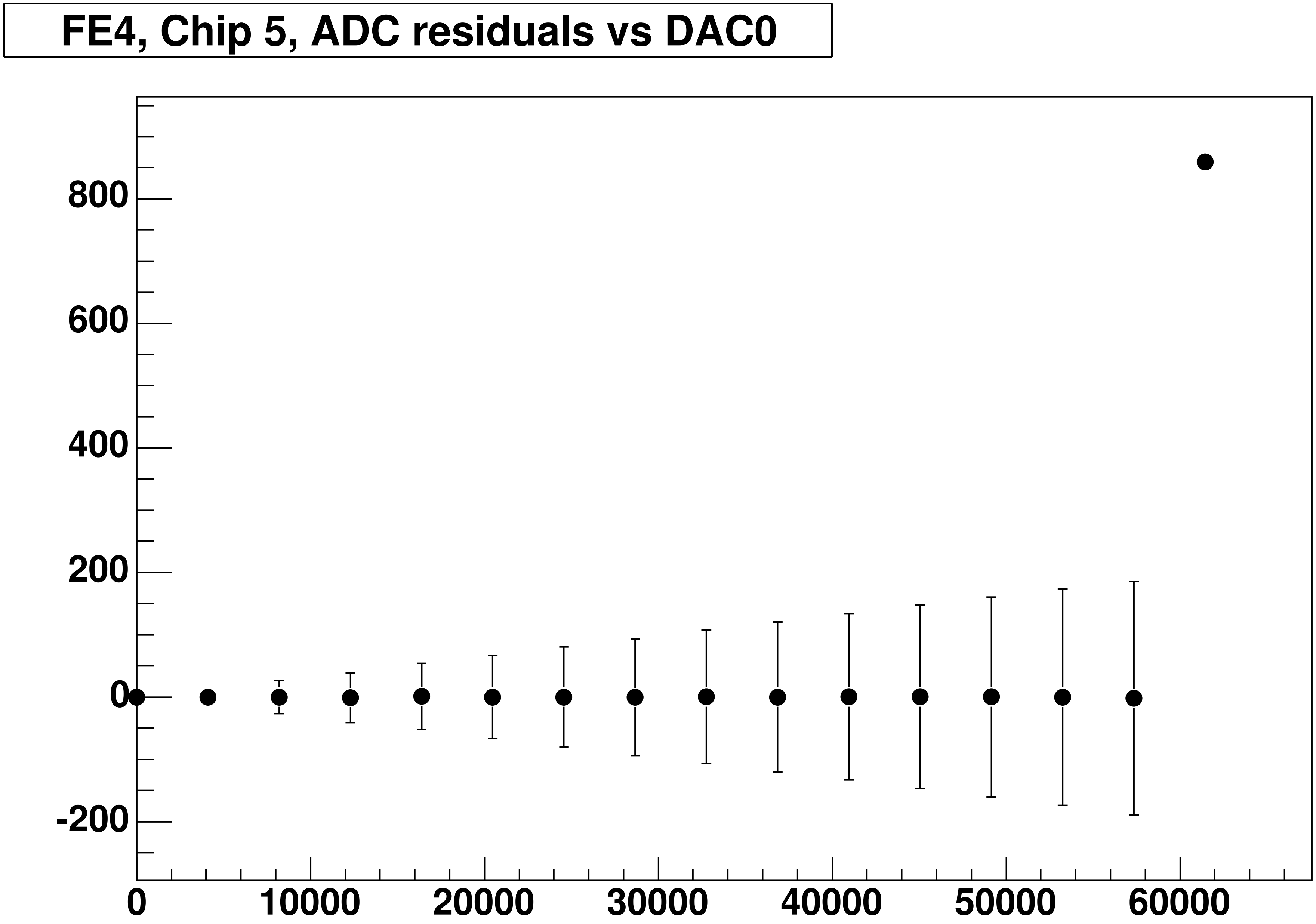

FE4, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

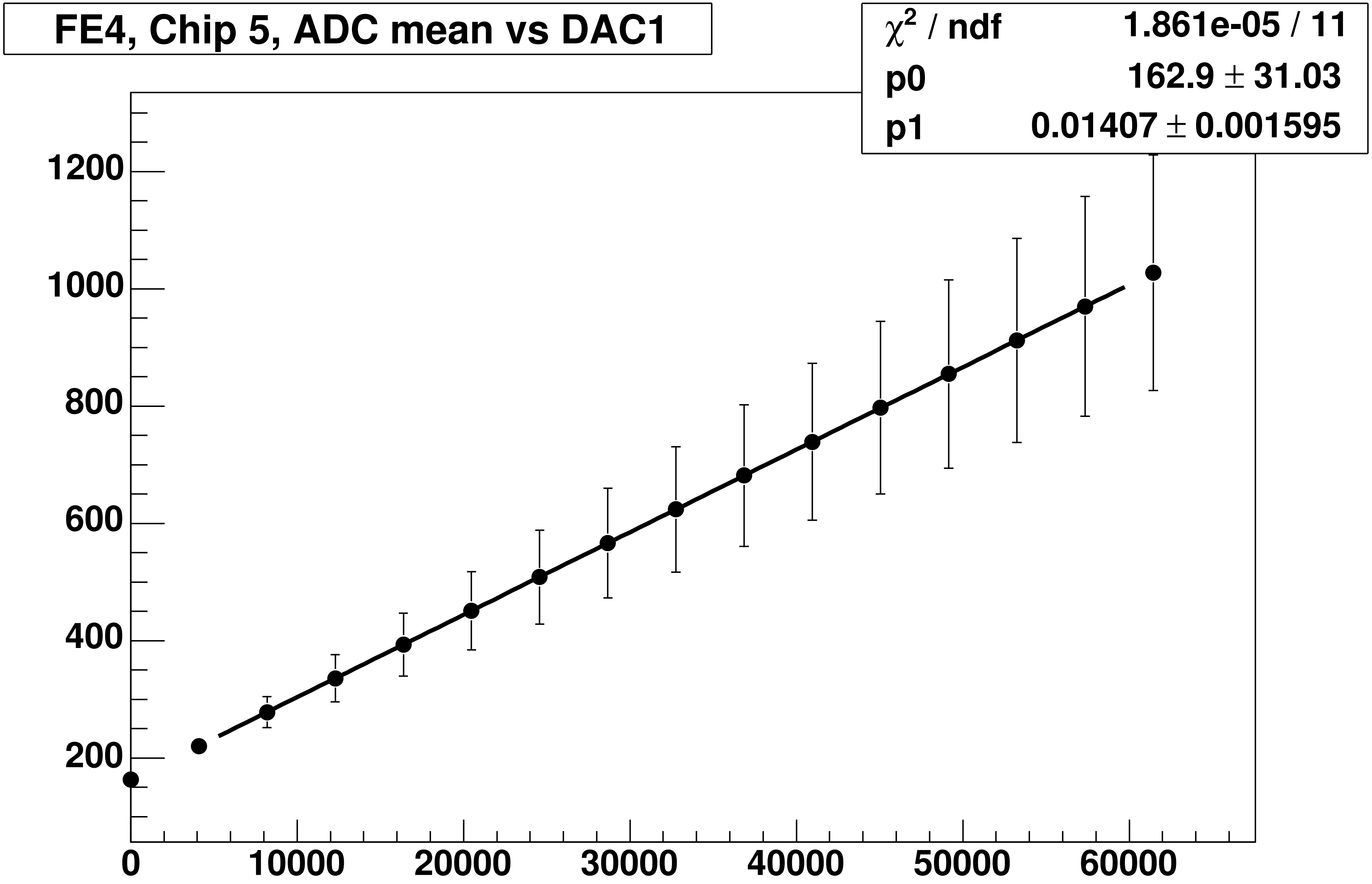

FE4, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.001003 / 11
p0 162.4 ± 31.03
p1 0.4363 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



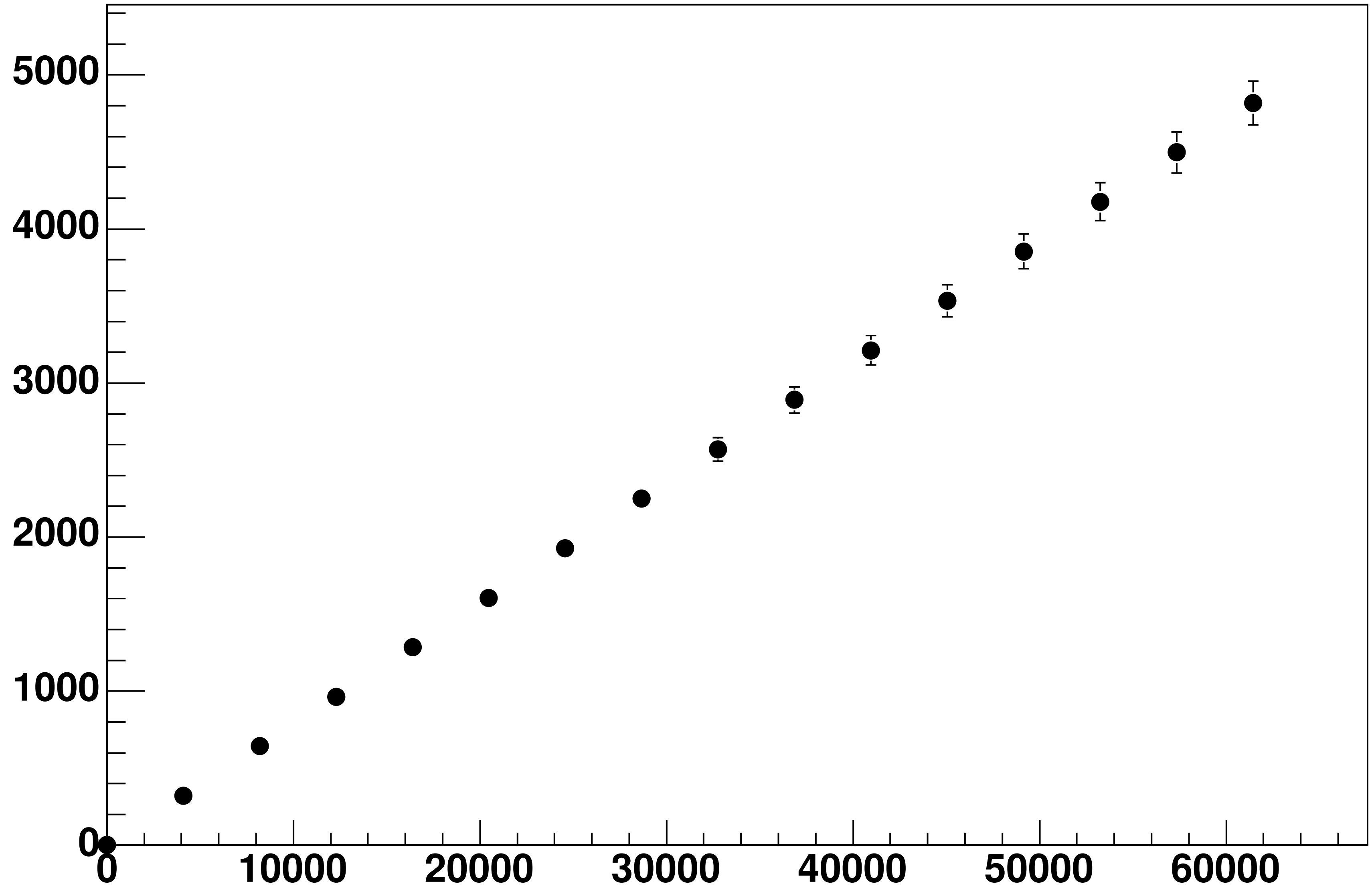
FE4, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

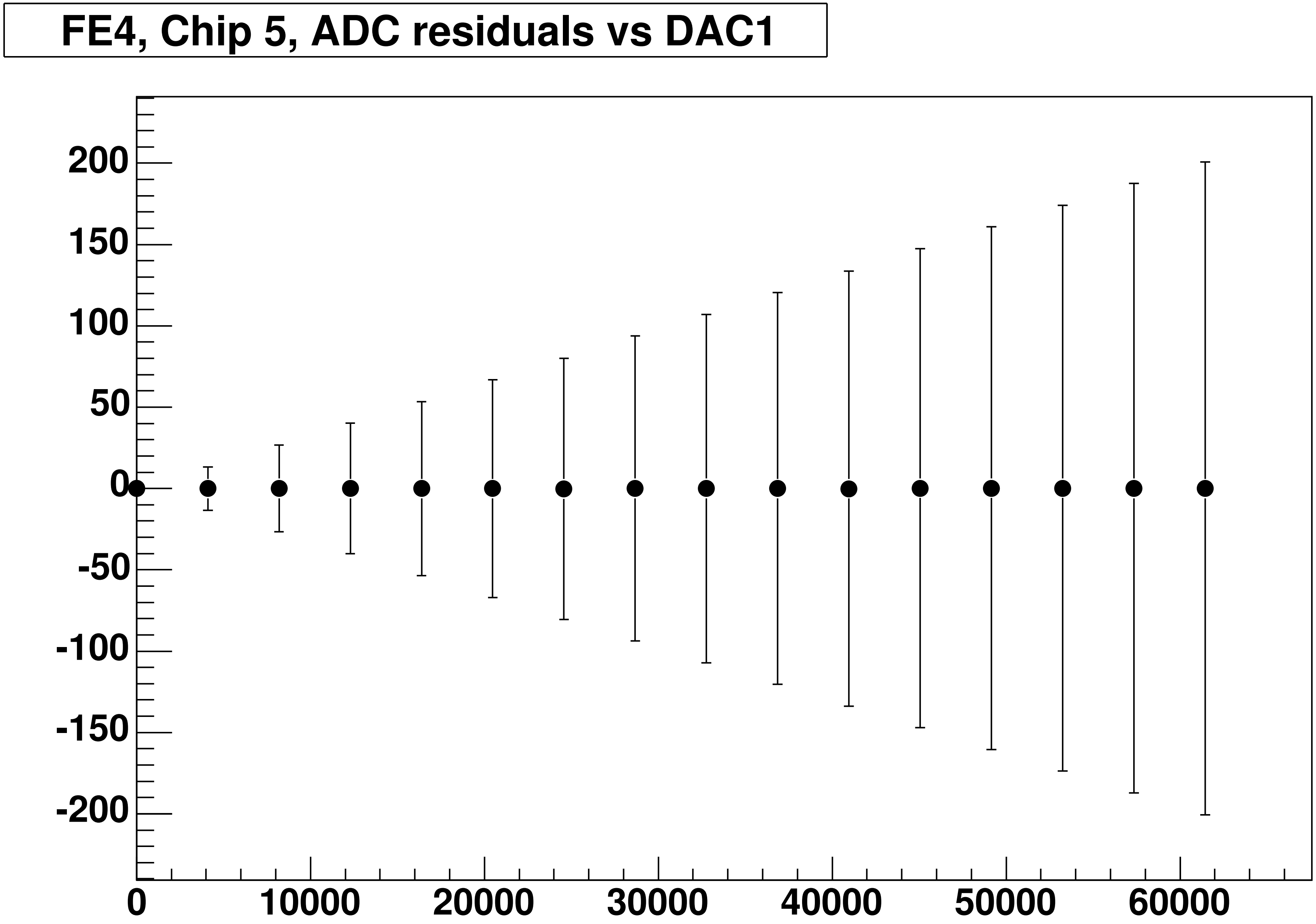


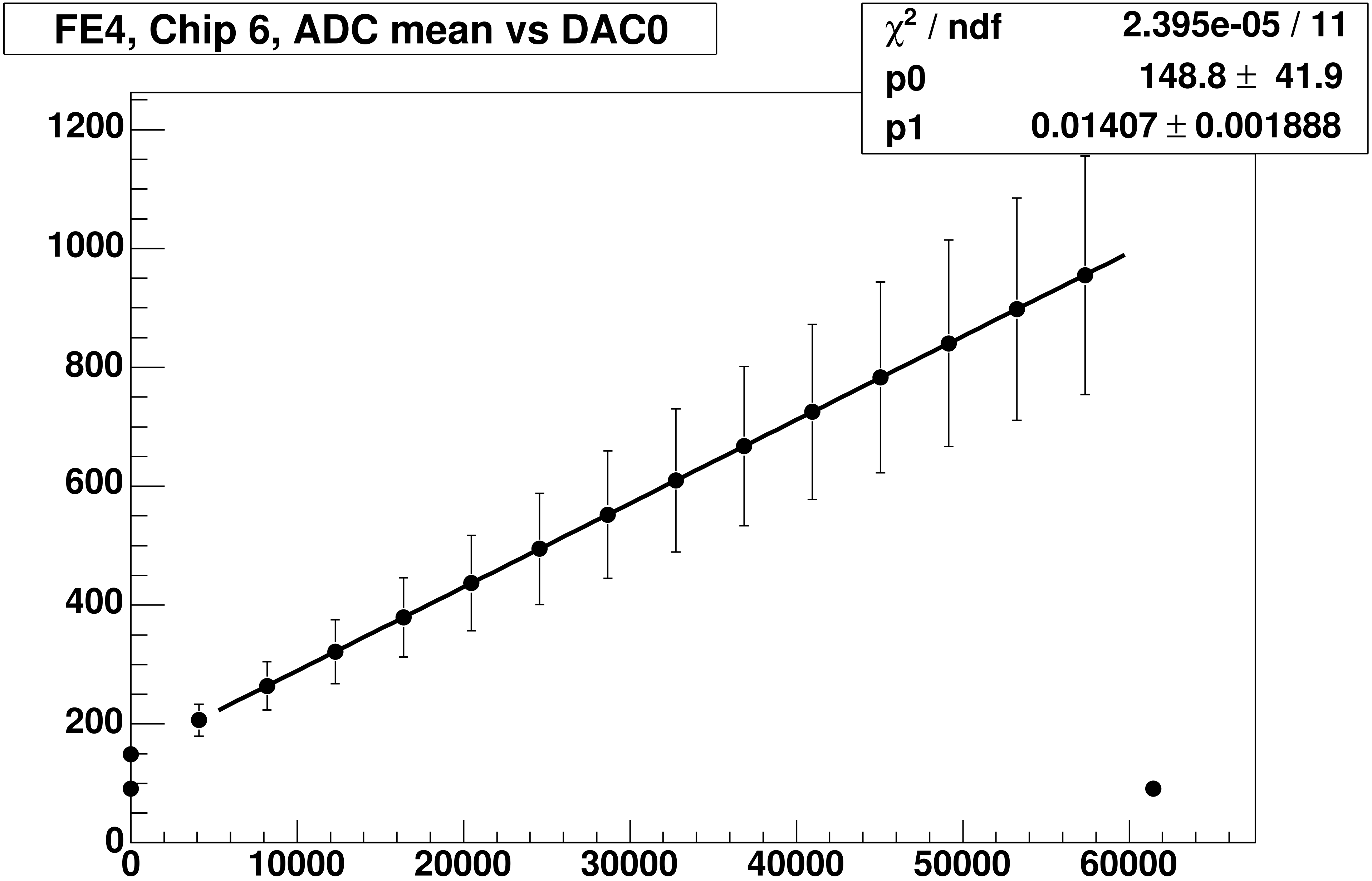
FE4, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 5, ADC mean vs DAC1
χ^2 / ndf 1.861e-05 / 11
p0 162.9 ± 31.03
p1 0.01407 ± 0.001595
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

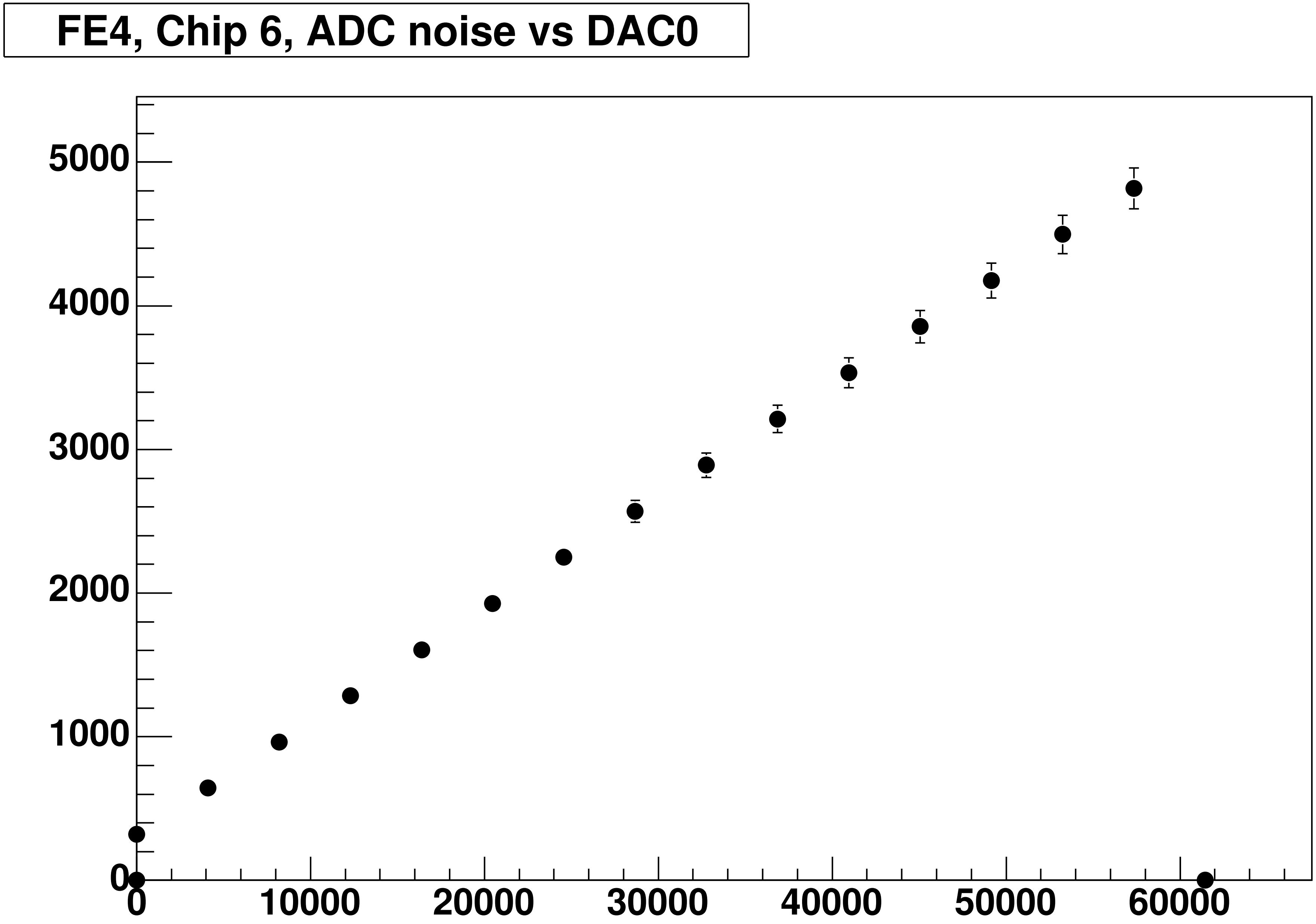
FE4, Chip 5, ADC noise vs DAC1

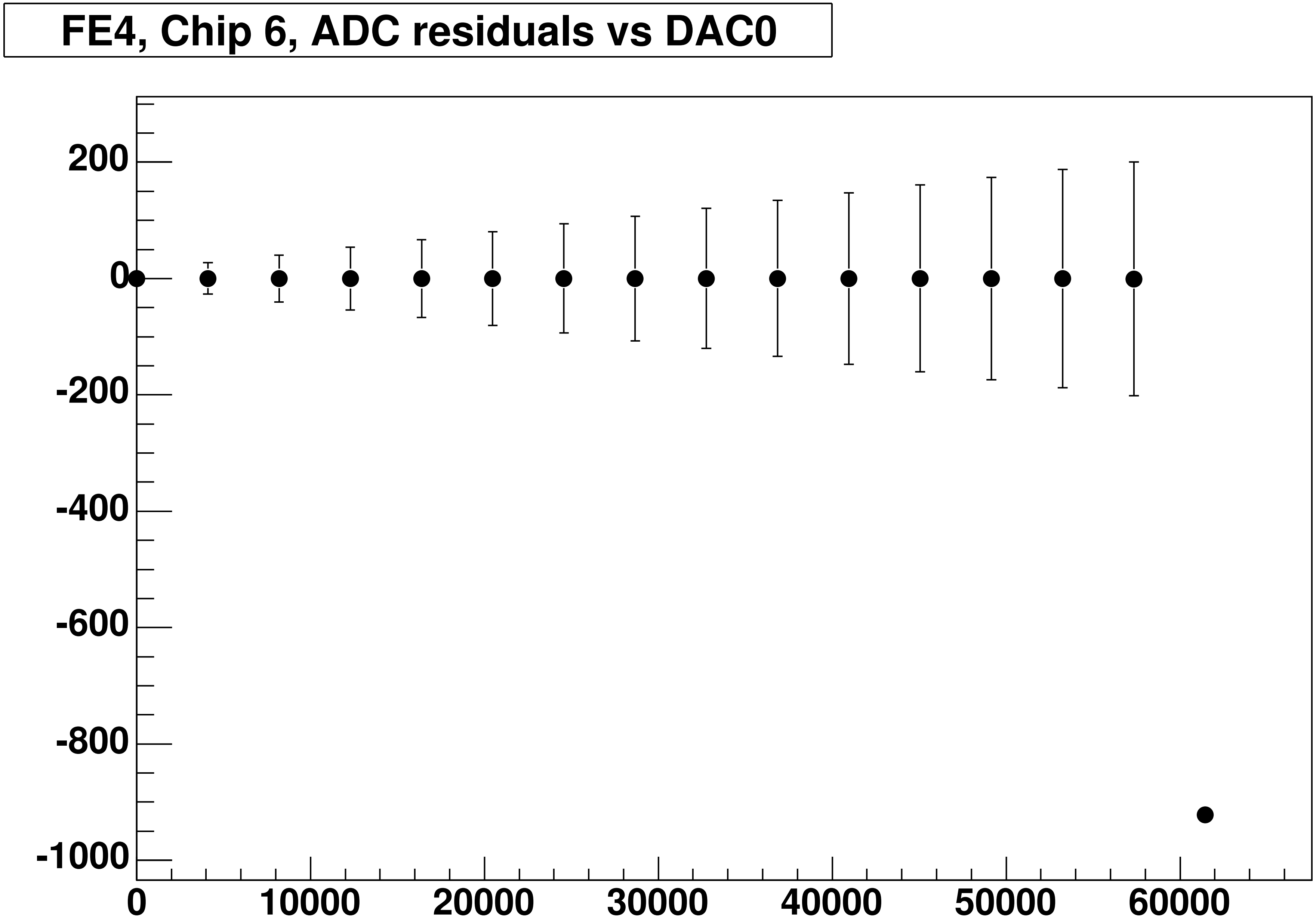



FE4, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

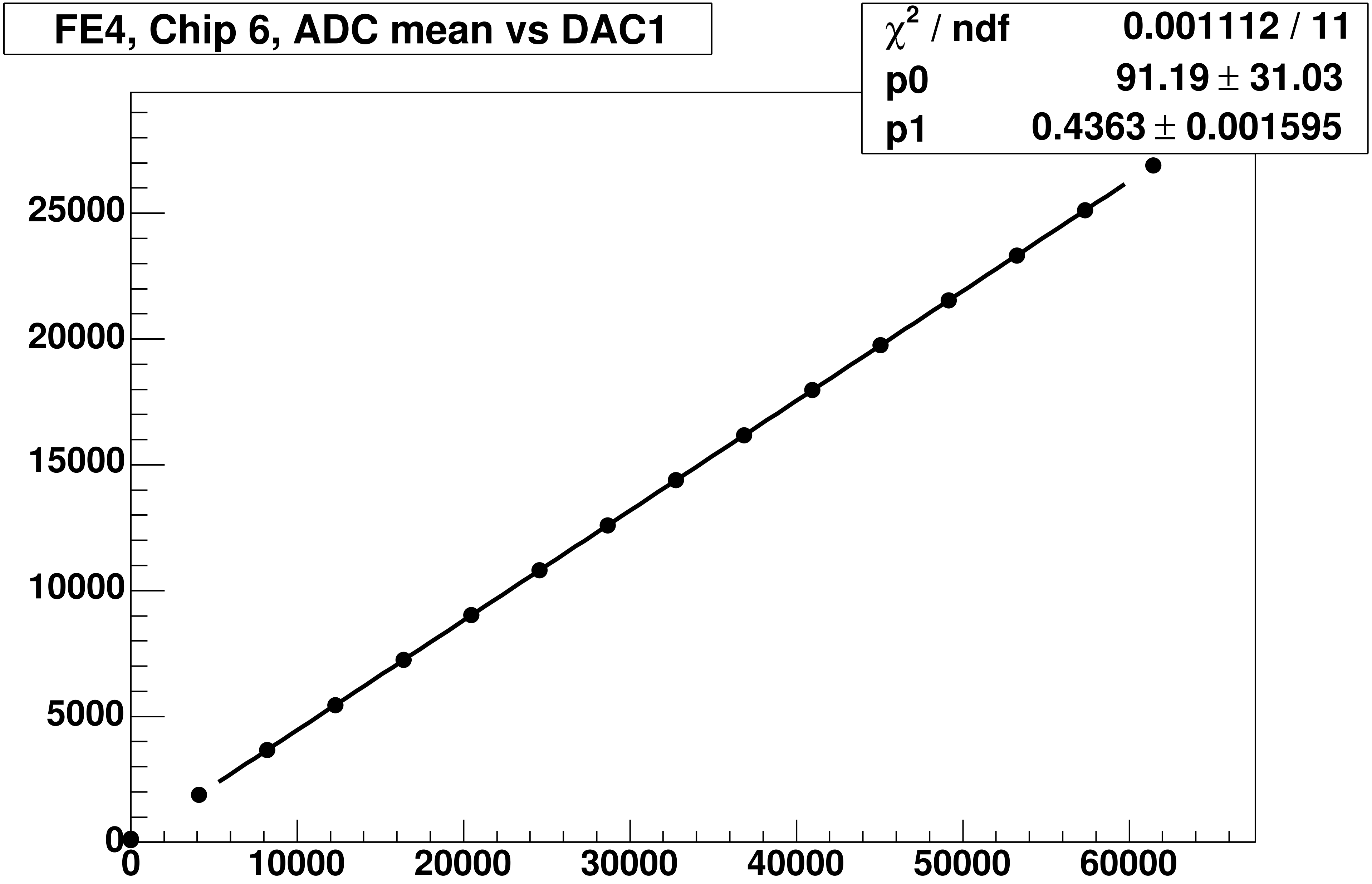


FE4, Chip 6, ADC mean vs DAC0
χ^2 / ndf 2.395e-05 / 11
p0 148.8 ± 41.9
p1 0.01407 ± 0.001888
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

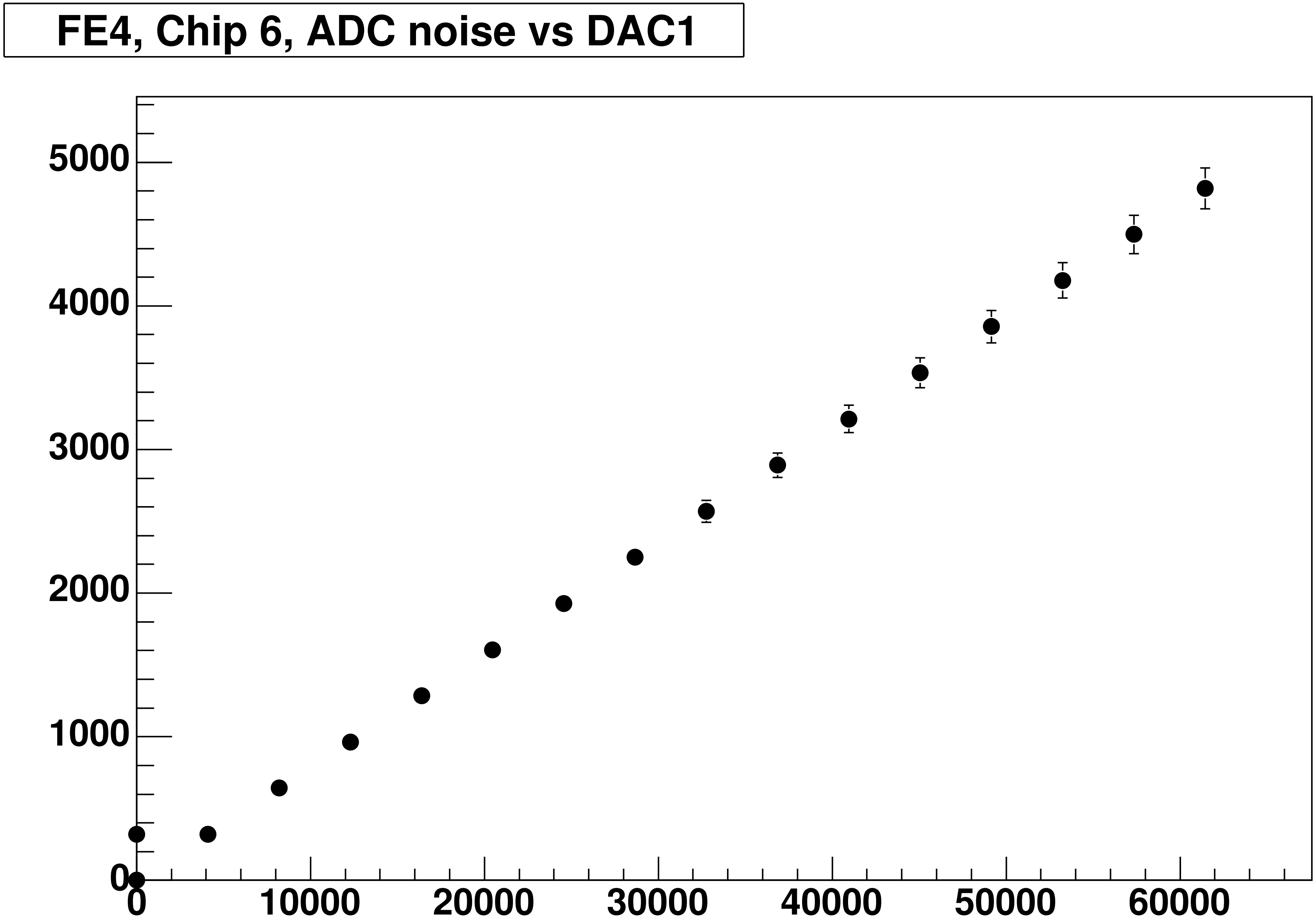

FE4, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

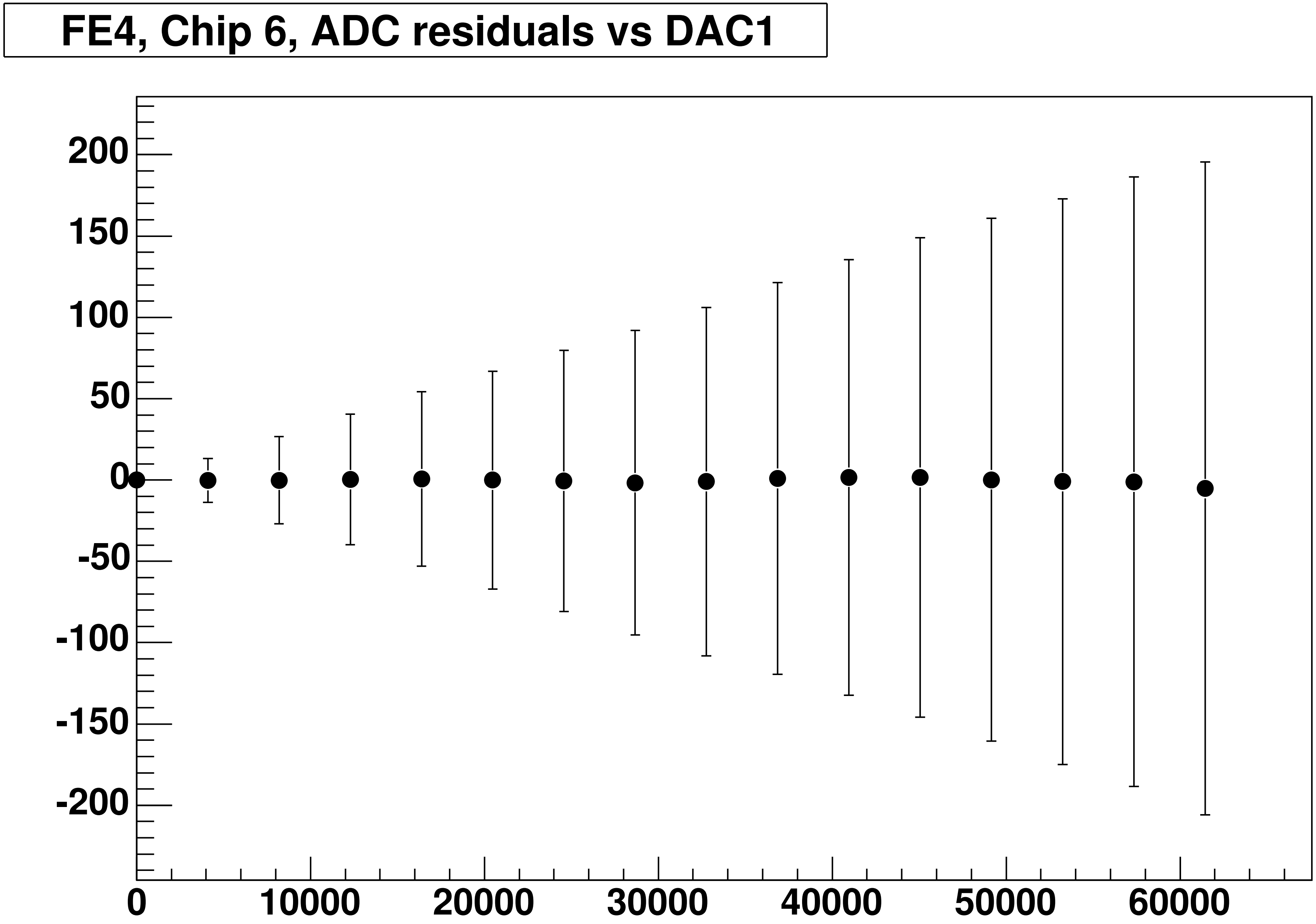


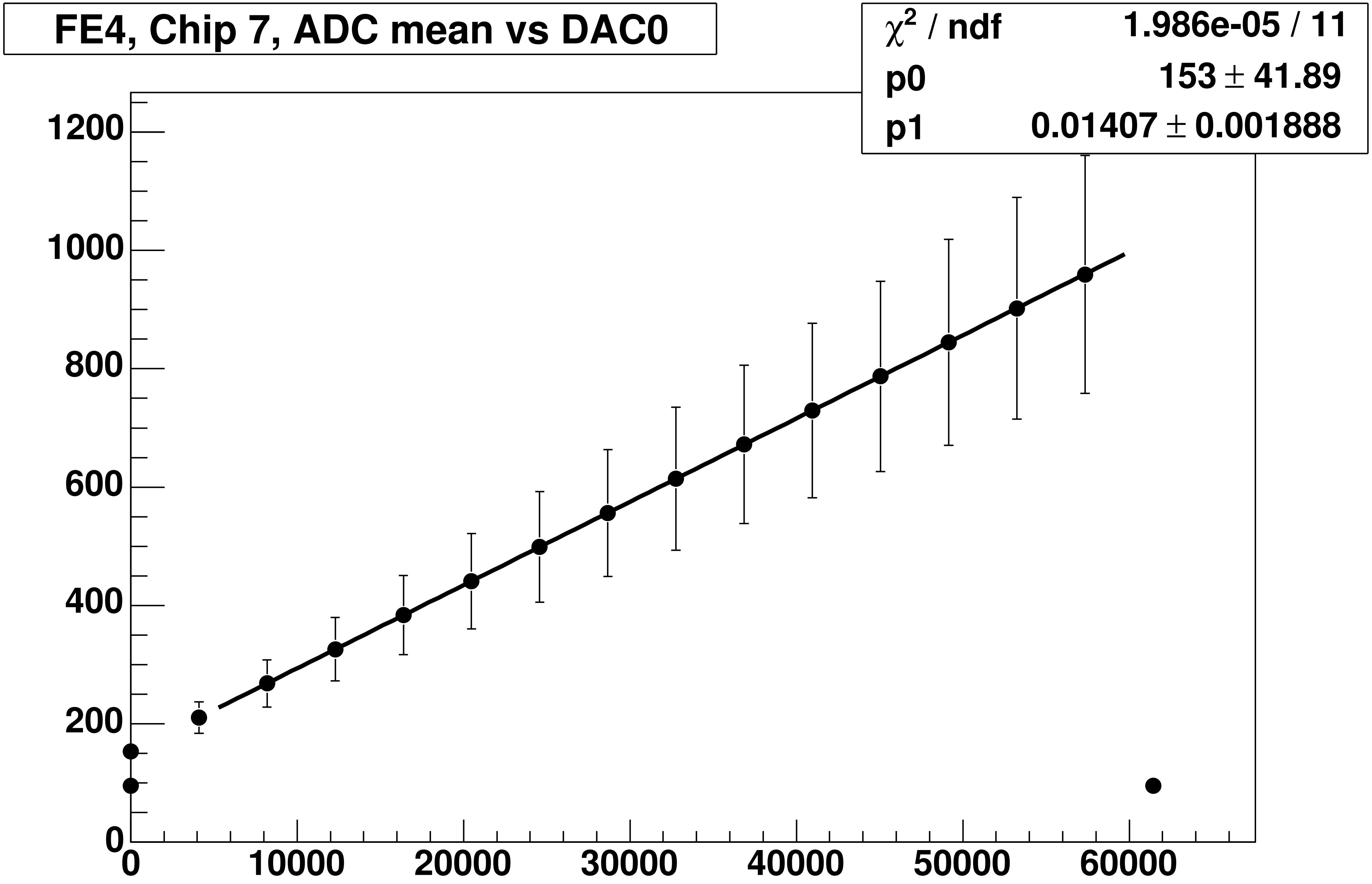
FE4, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



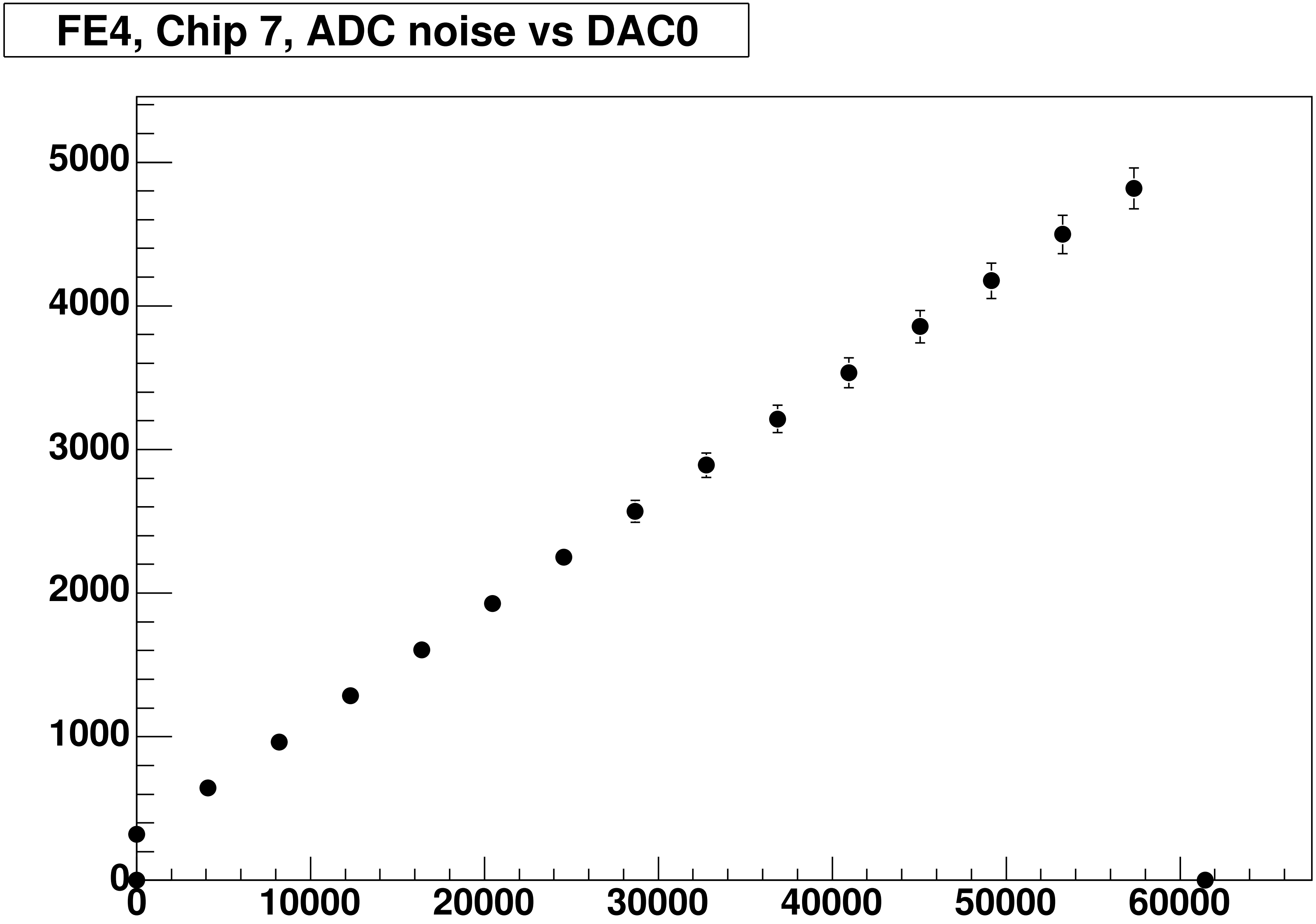
FE4, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001112 / 11
p0 91.19 ± 31.03
p1 0.4363 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

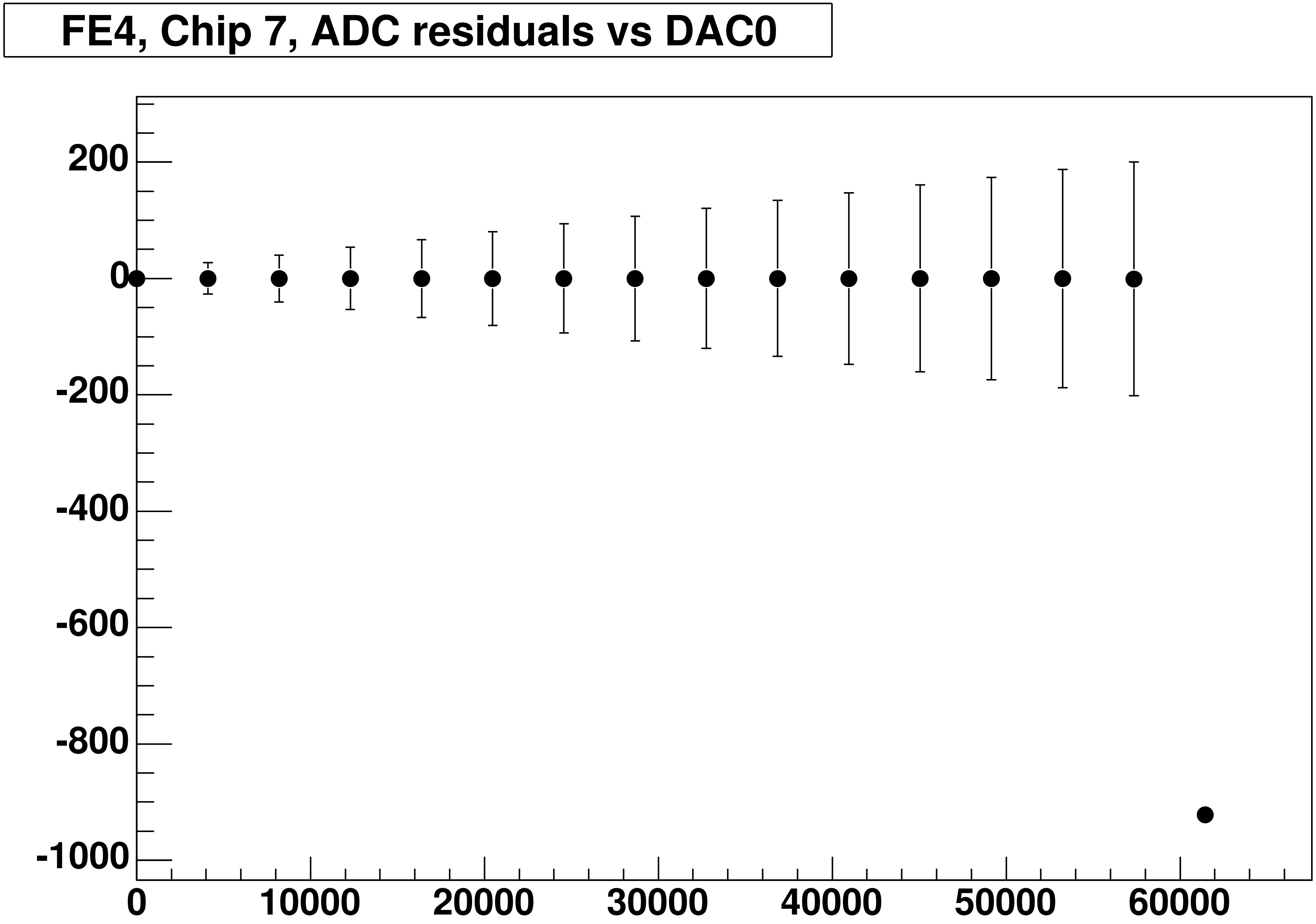

FE4, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

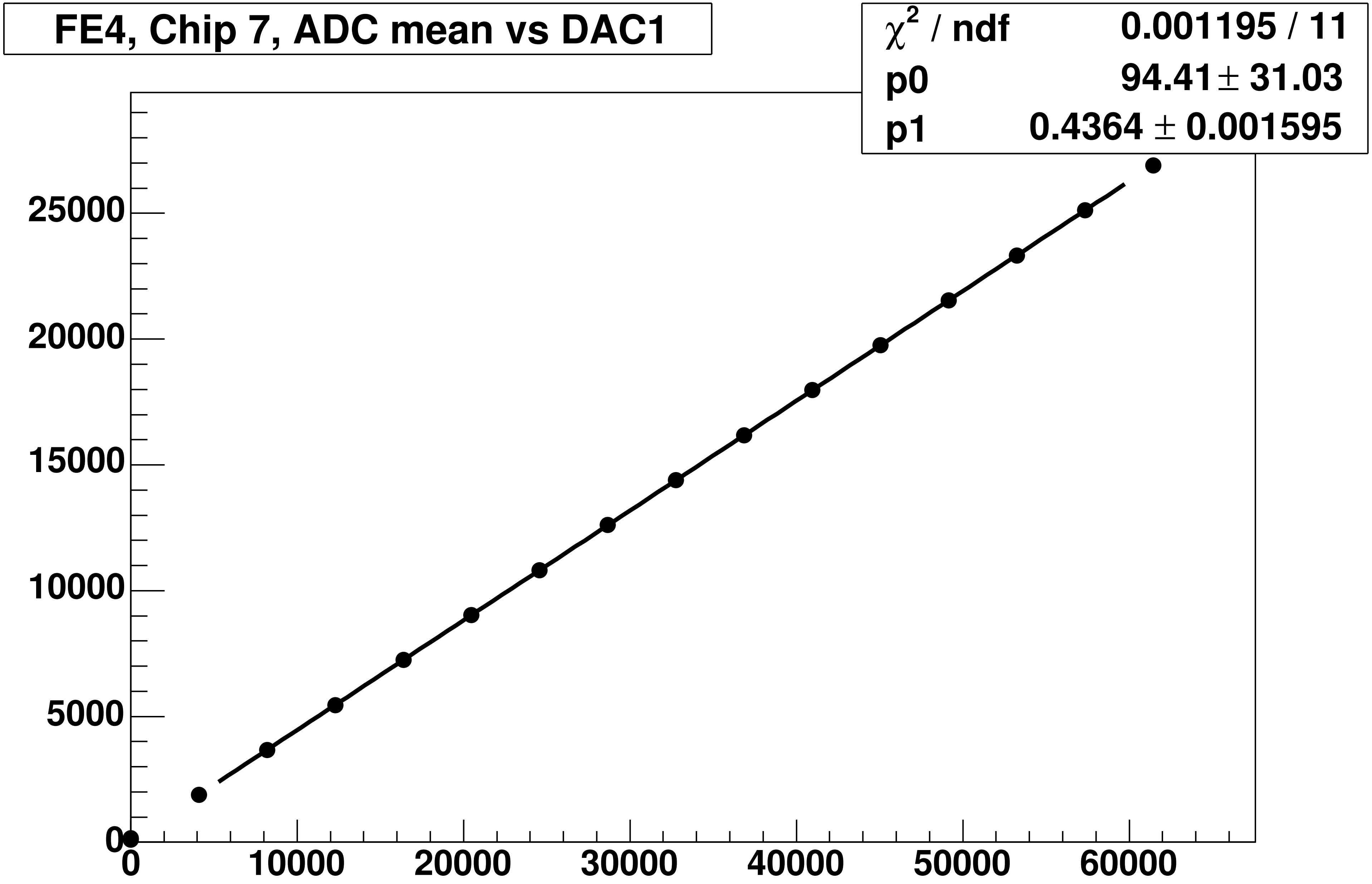

FE4, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



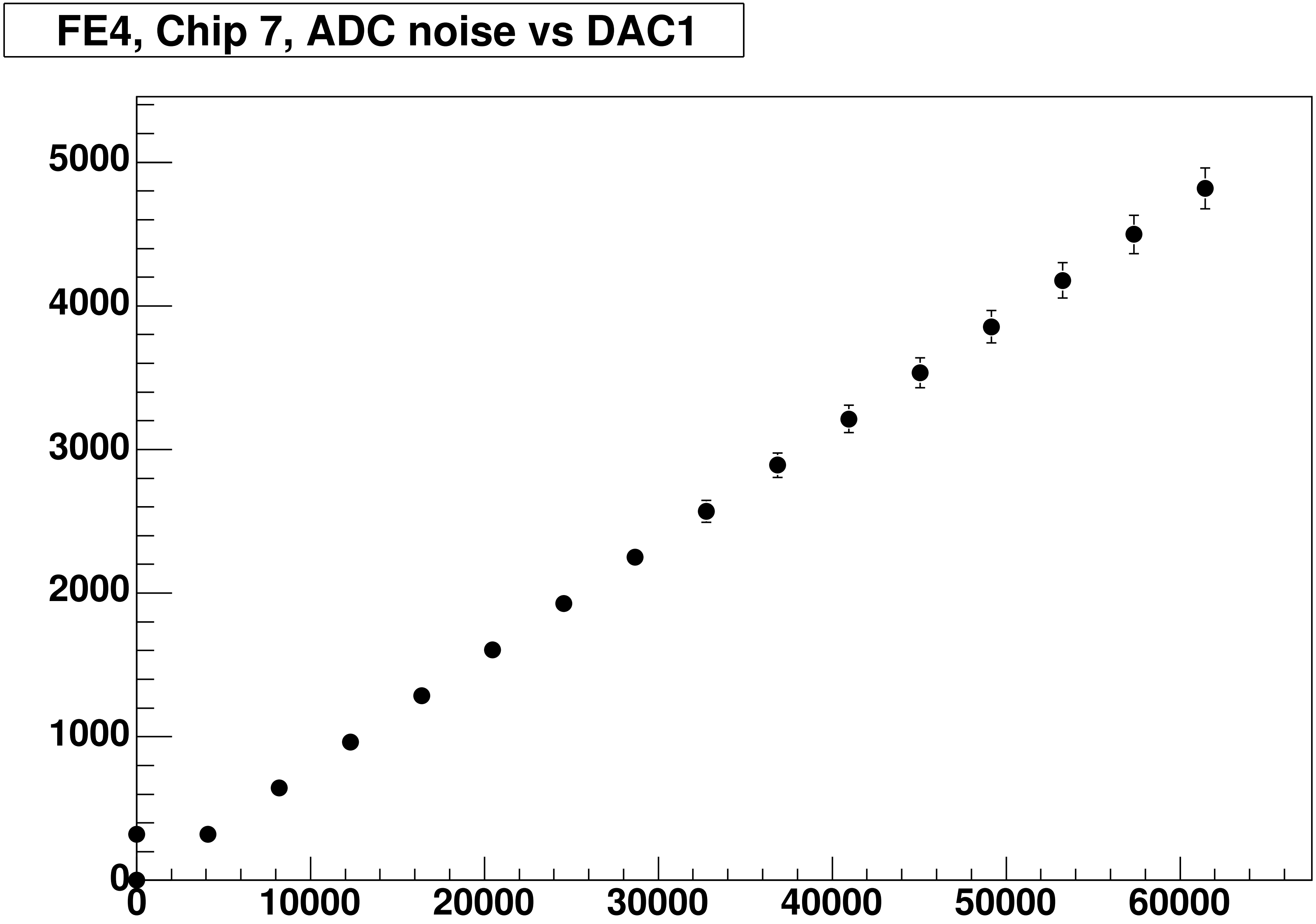
FE4, Chip 7, ADC mean vs DAC0
χ² / ndf 1.986e-05 / 11
p0 153 ± 41.89
p1 0.01407 ± 0.001888
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

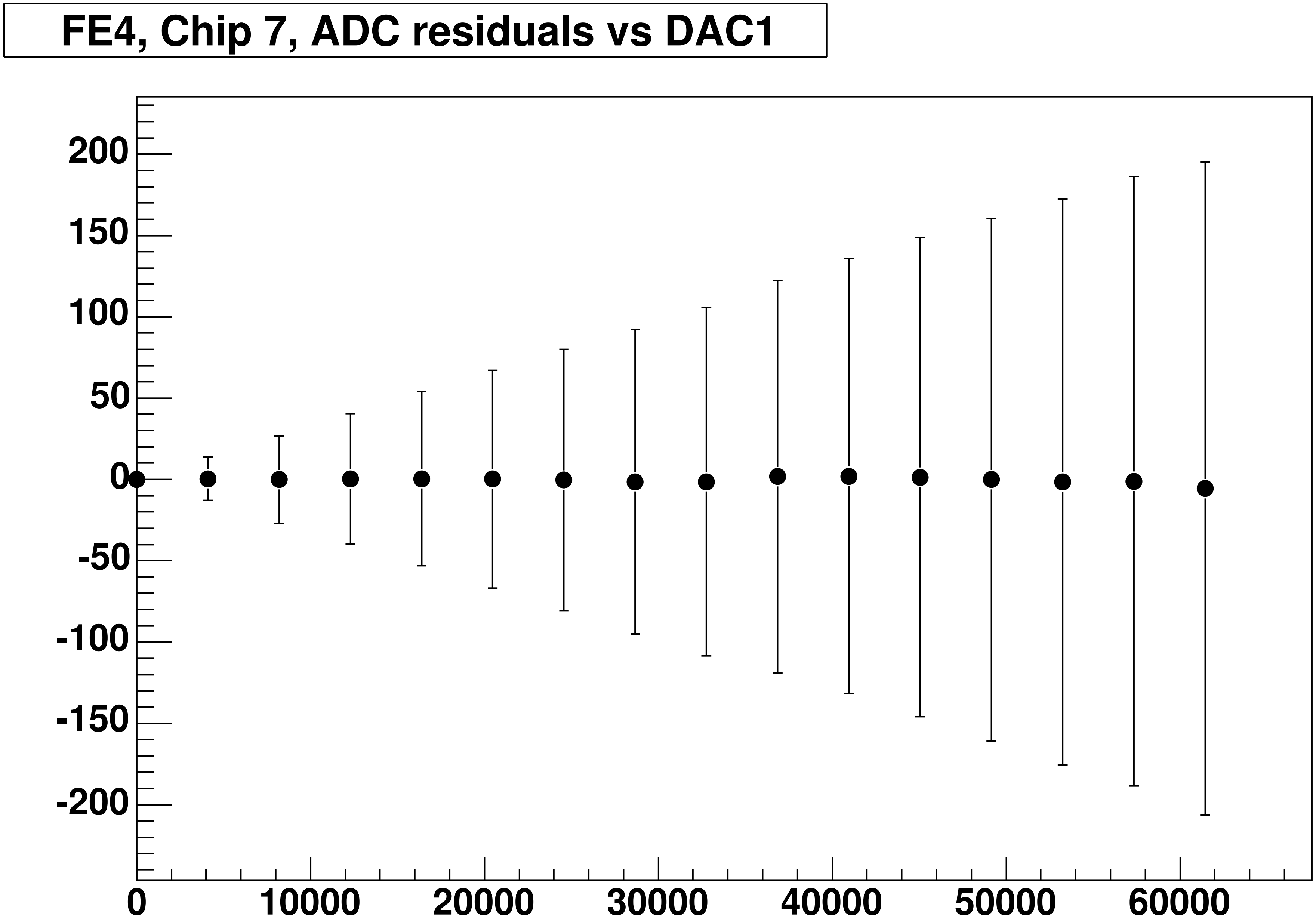

FE4, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

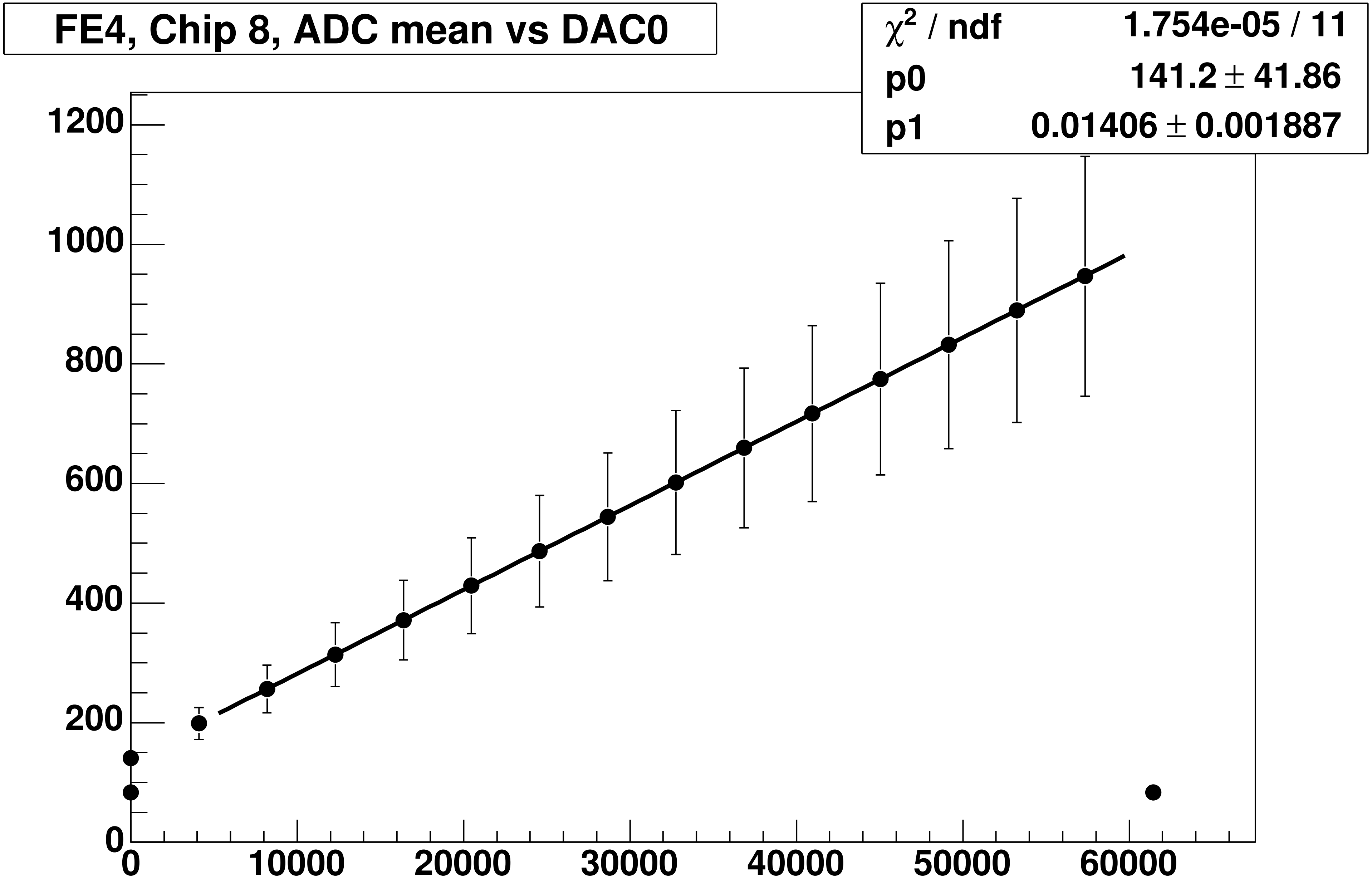


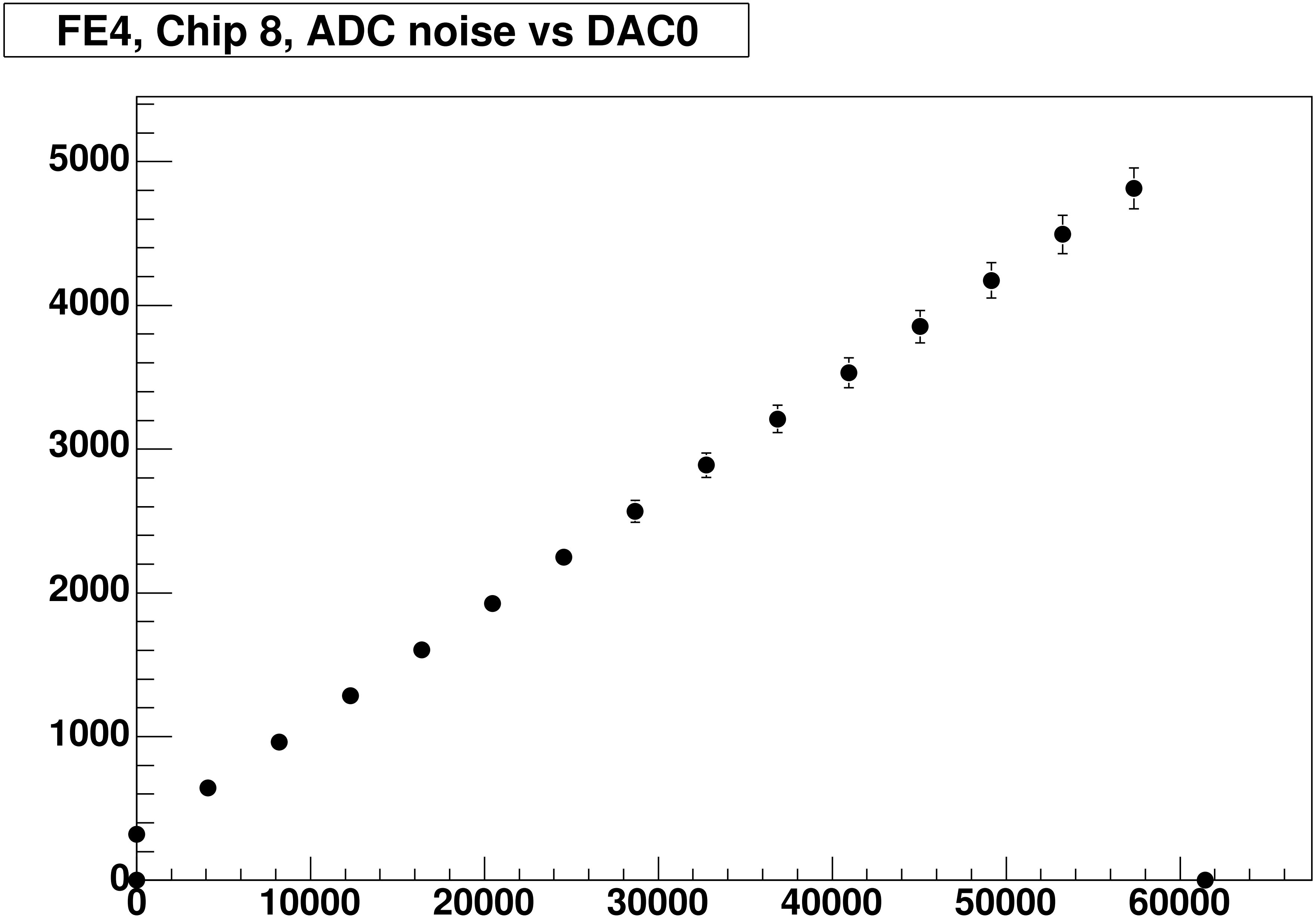
FE4, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.001195 / 11
p0 94.41 ± 31.03
p1 0.4364 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

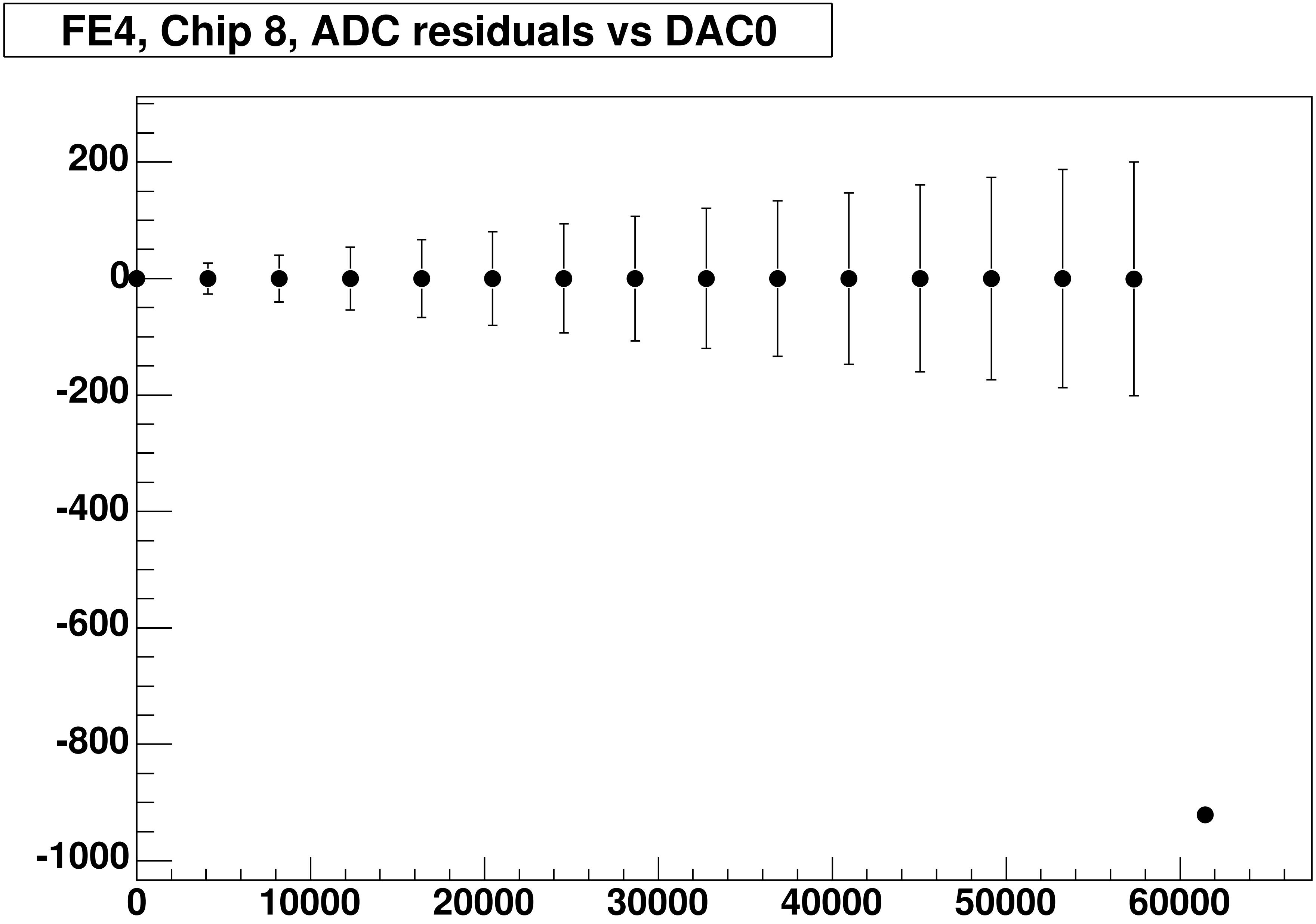

FE4, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



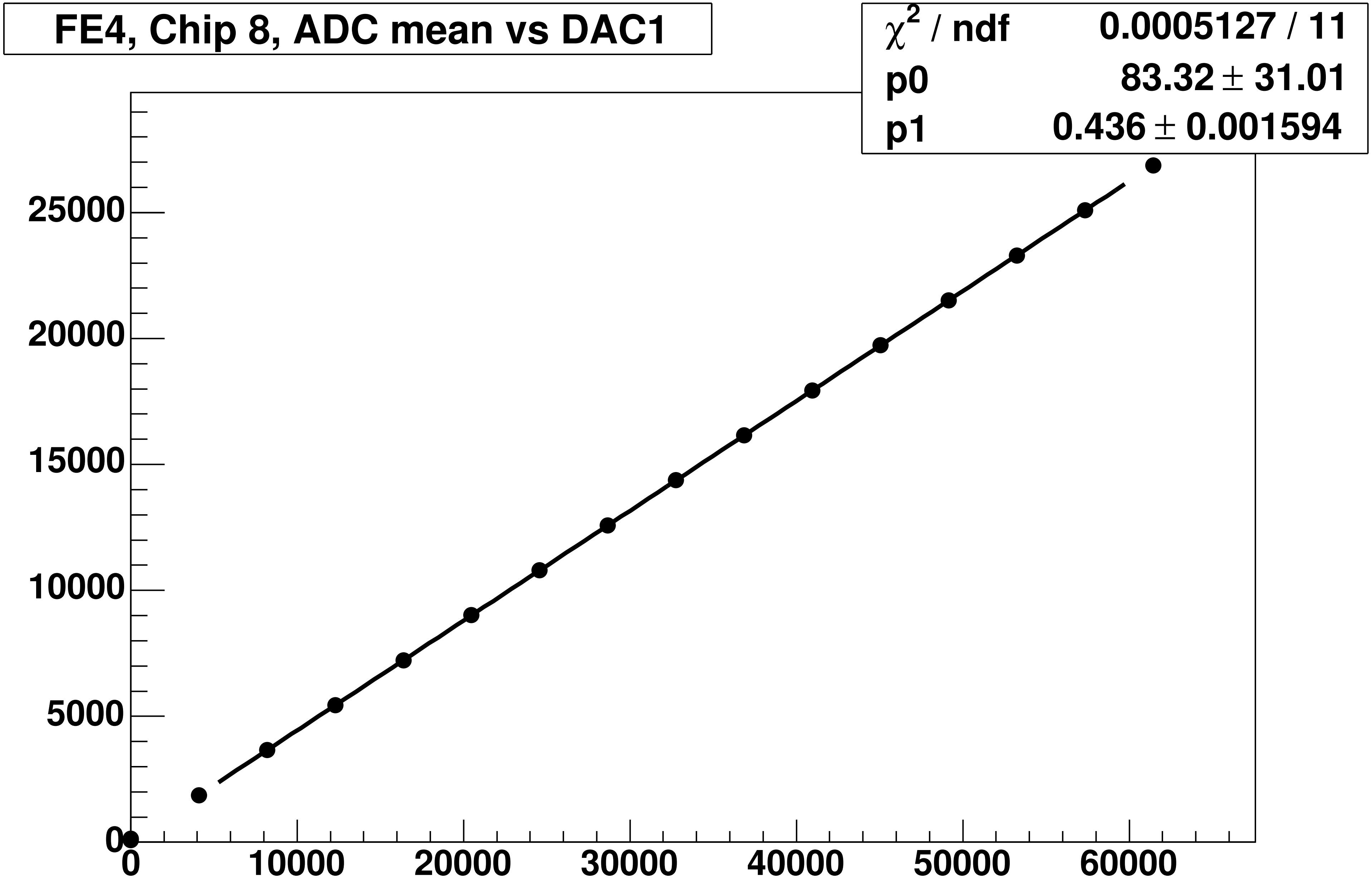
FE4, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.754e-05 / 11
p0 141.2 ± 41.86
p1 0.01406 ± 0.001887
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

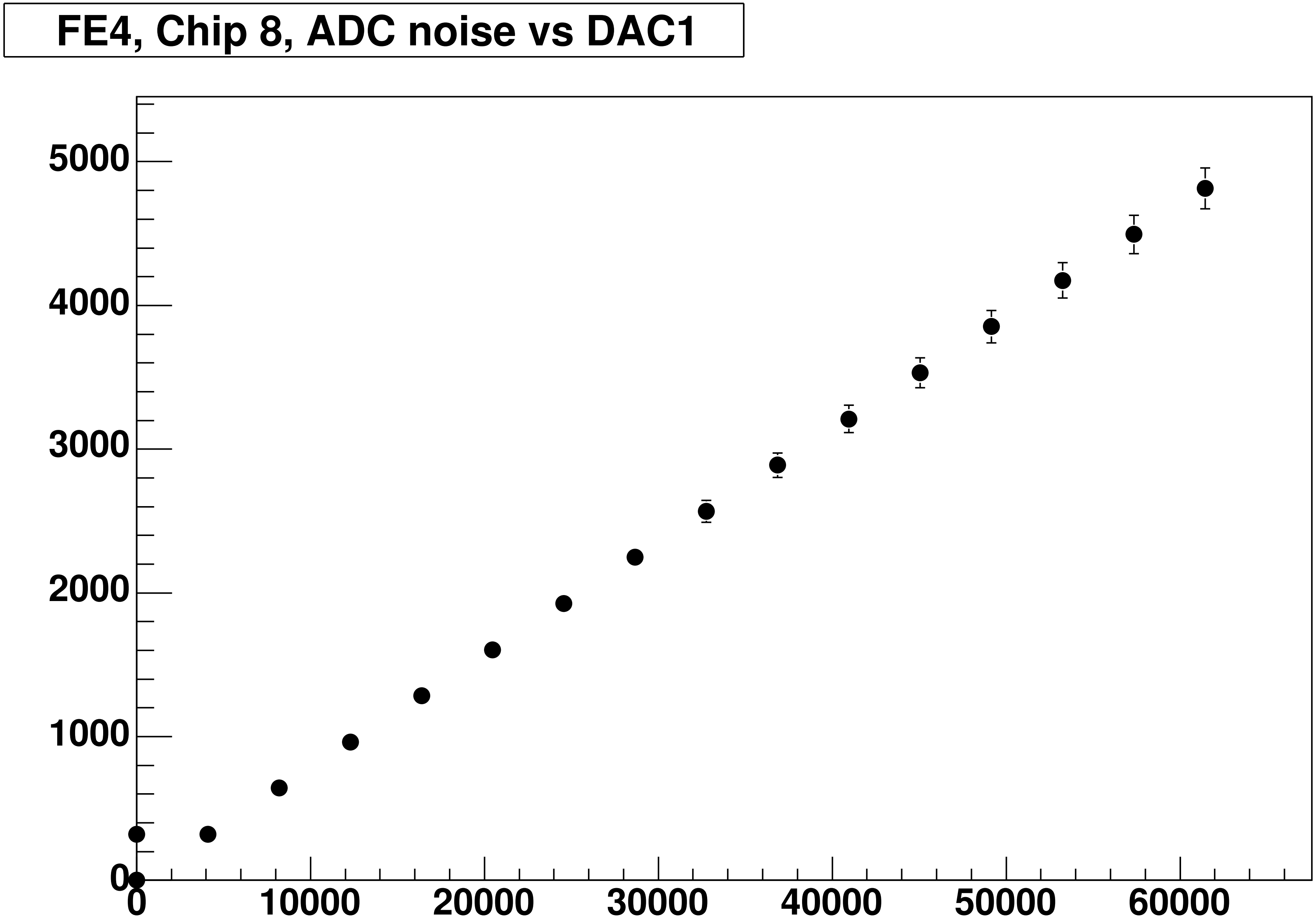

FE4, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

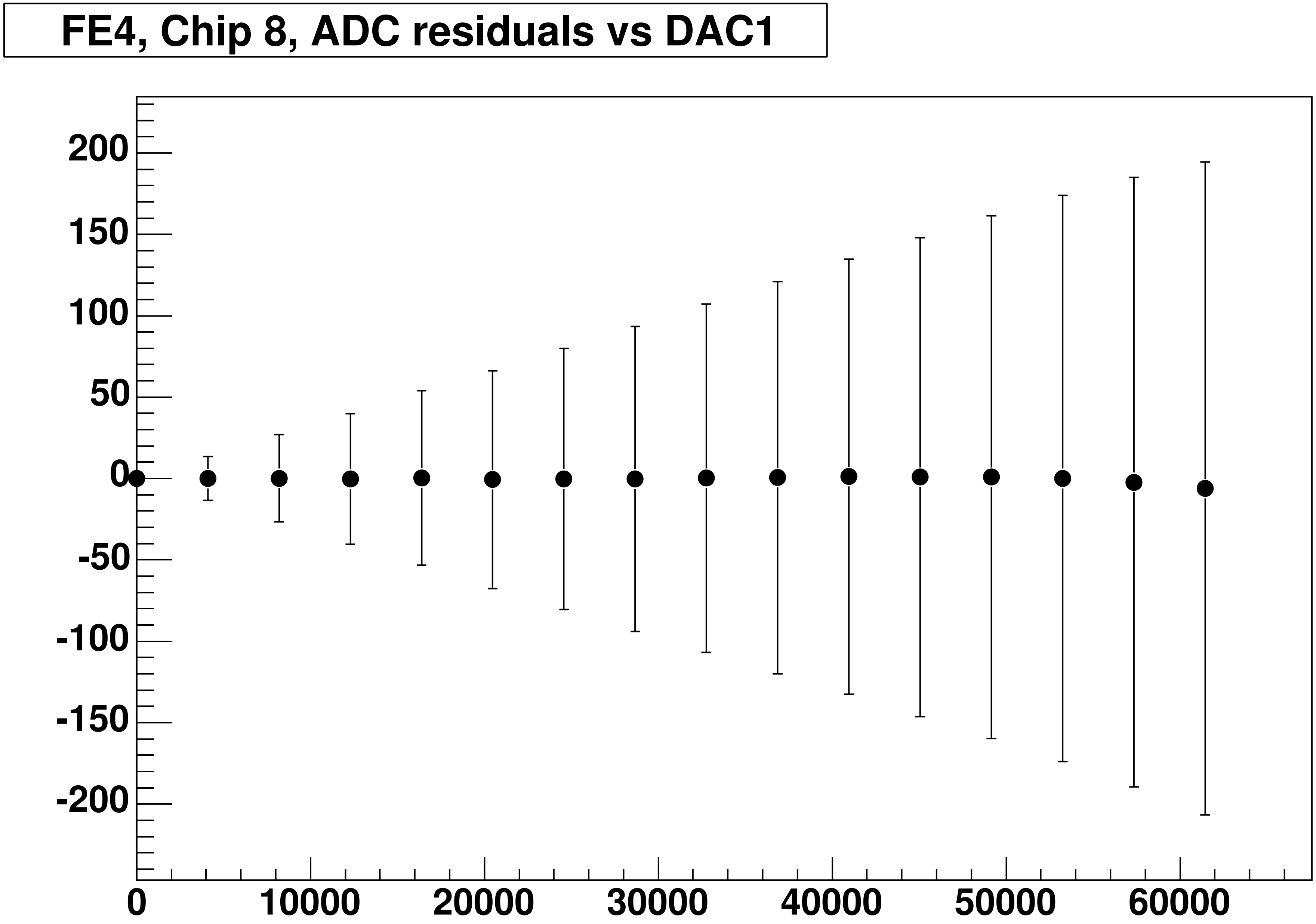


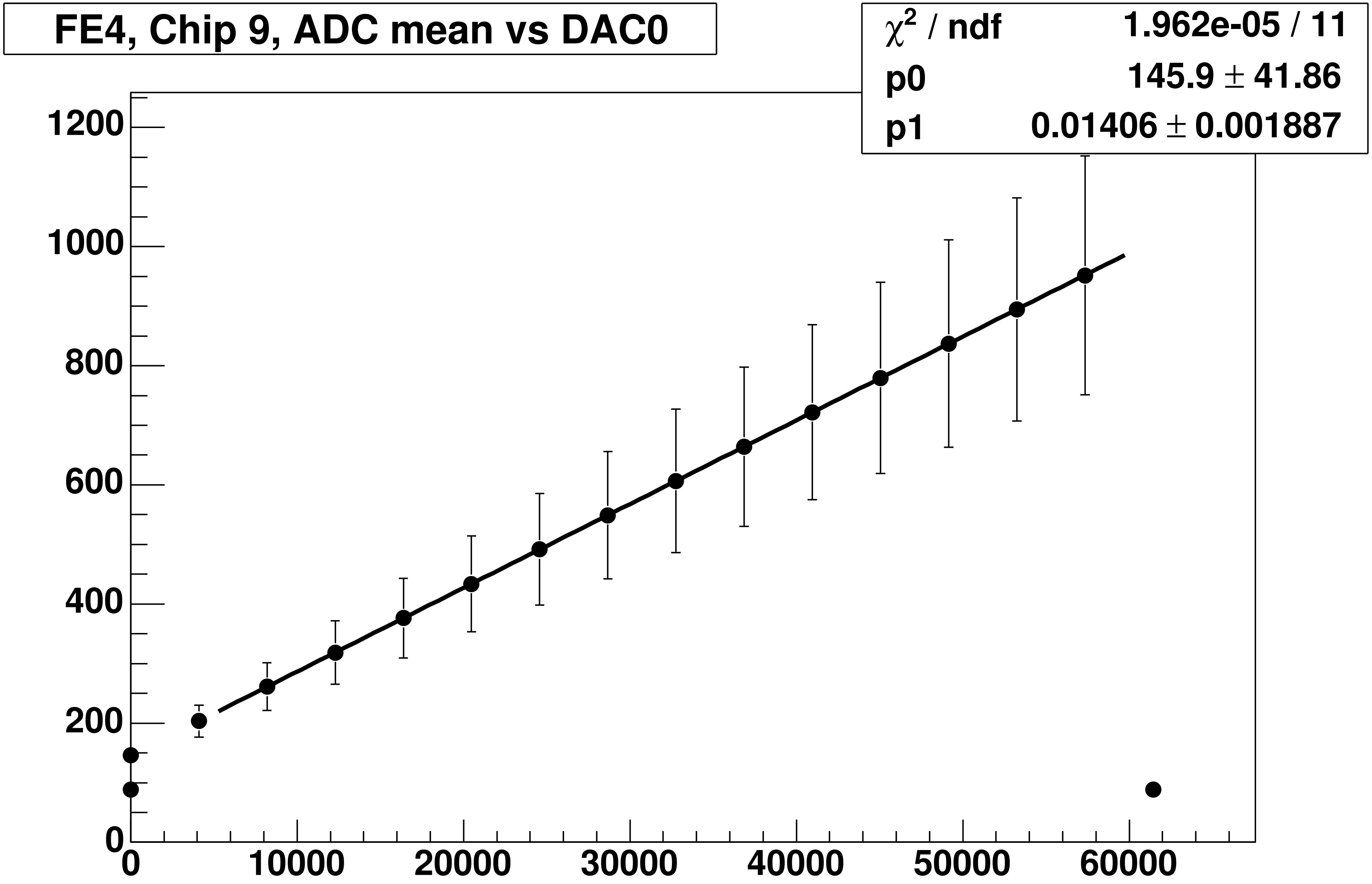
FE4, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

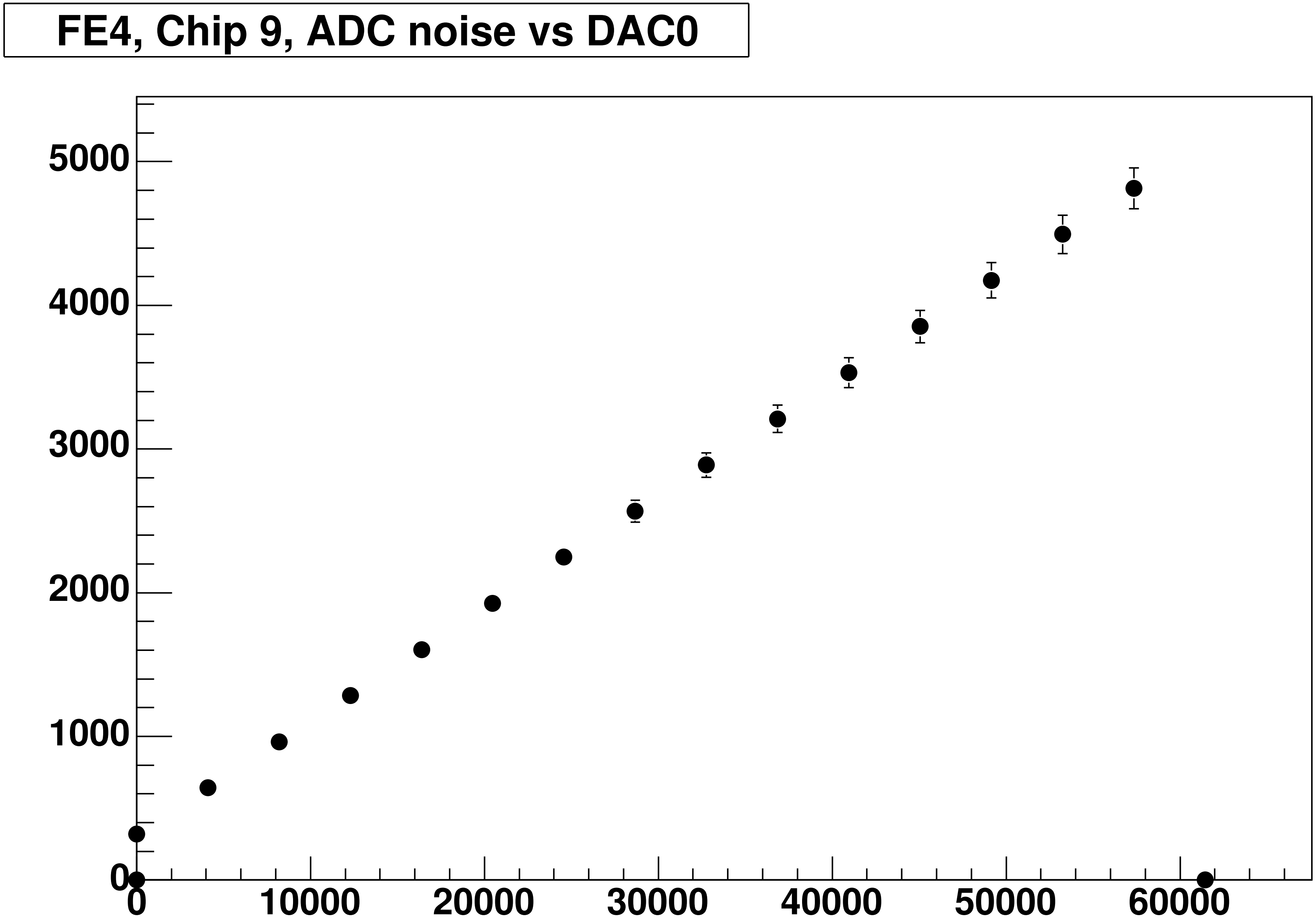


FE4, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.0005127 / 11
p0 83.32 ± 31.01
p1 0.436 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

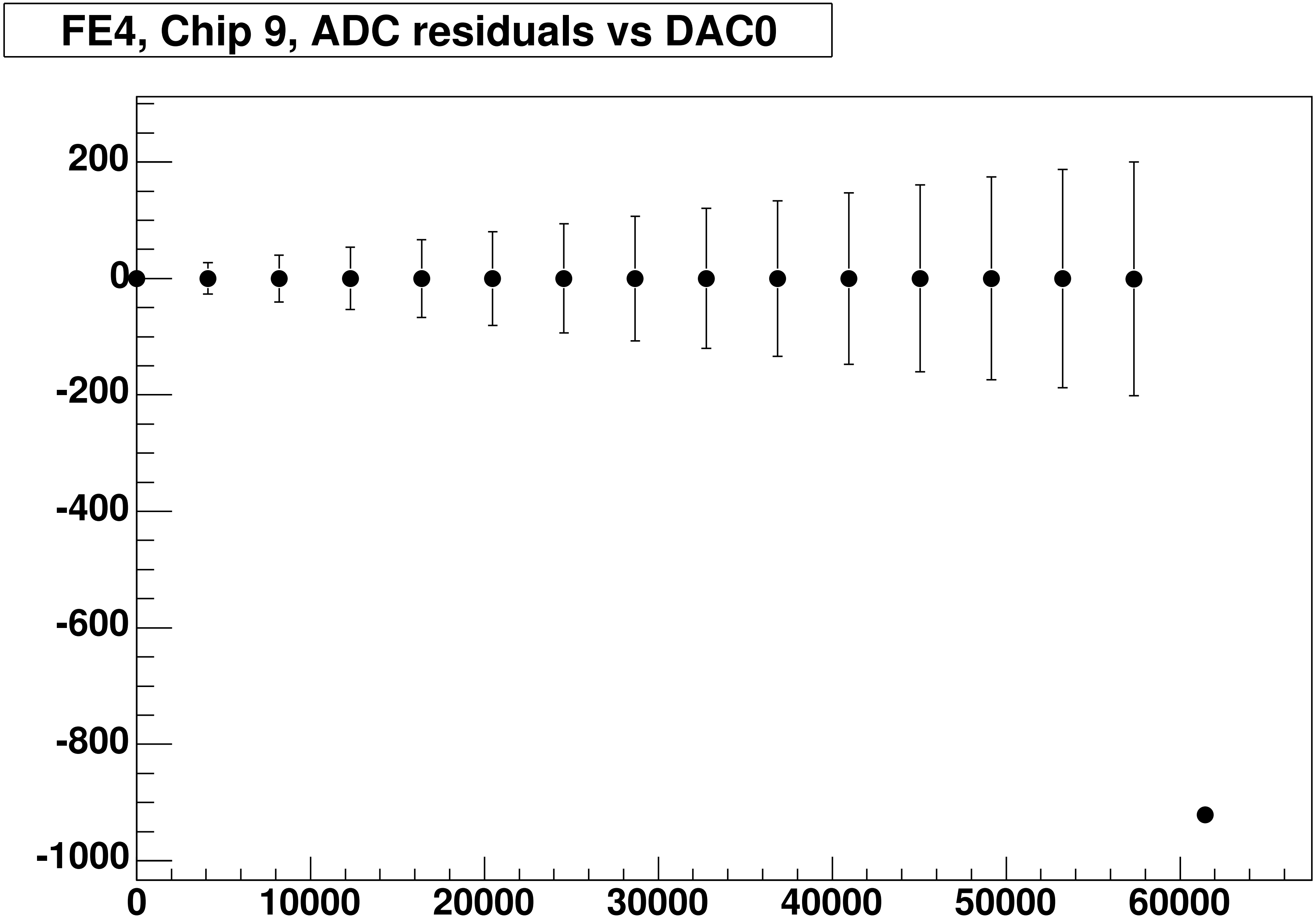

FE4, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

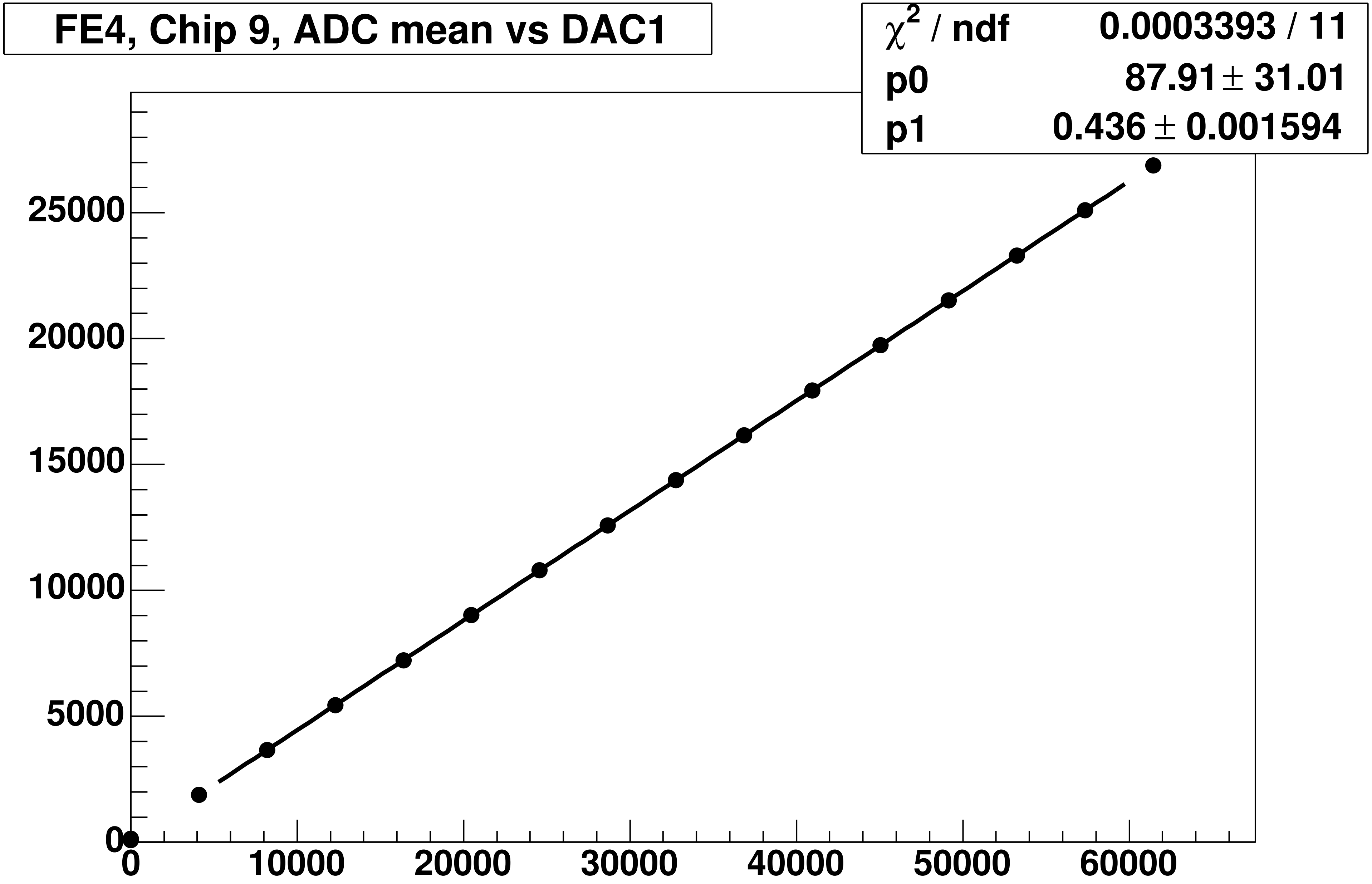

FE4, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.962e-05 / 11
p0 145.9 ± 41.86
p1 0.01406 ± 0.001887
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000



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

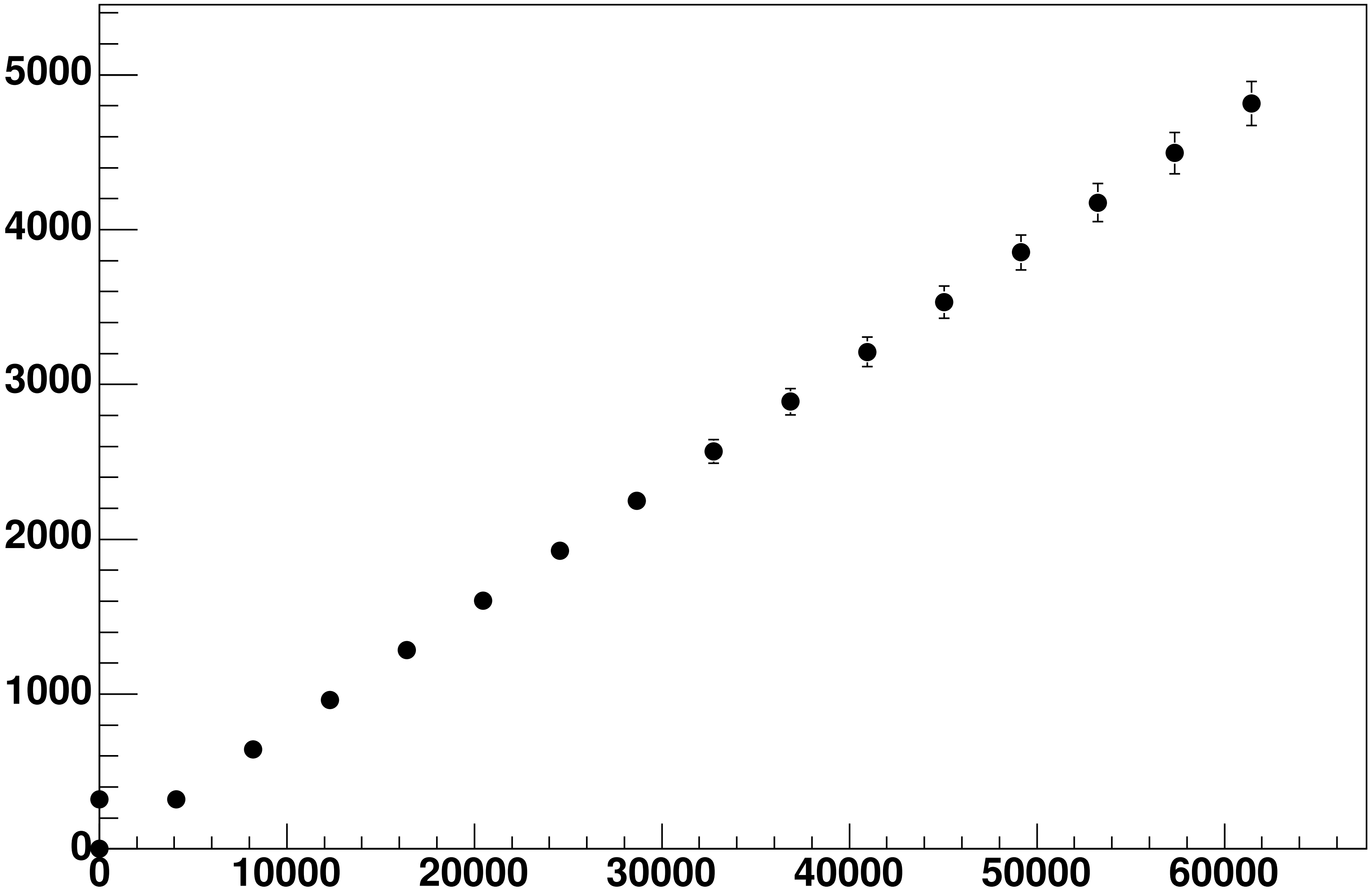


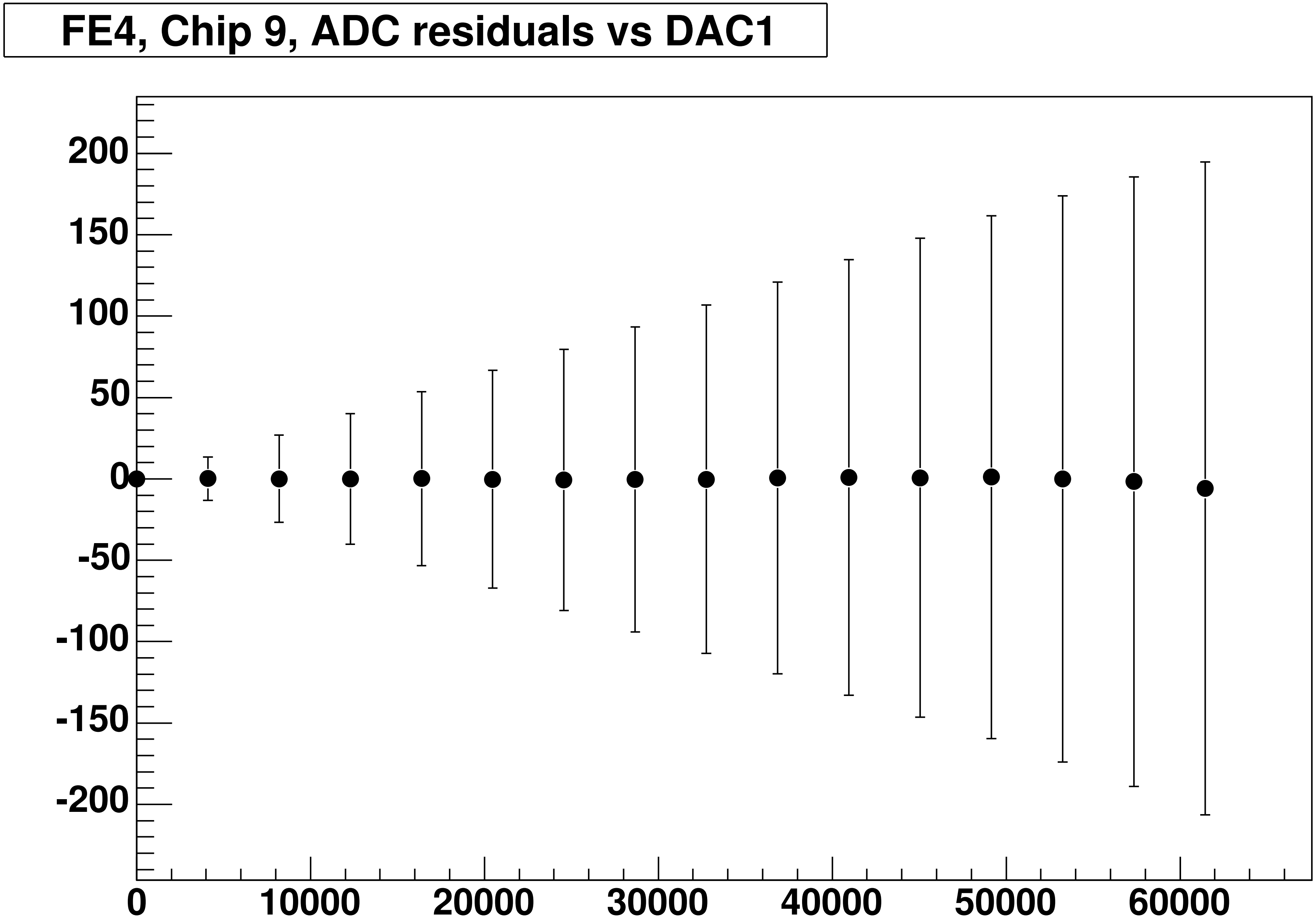
FE4, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

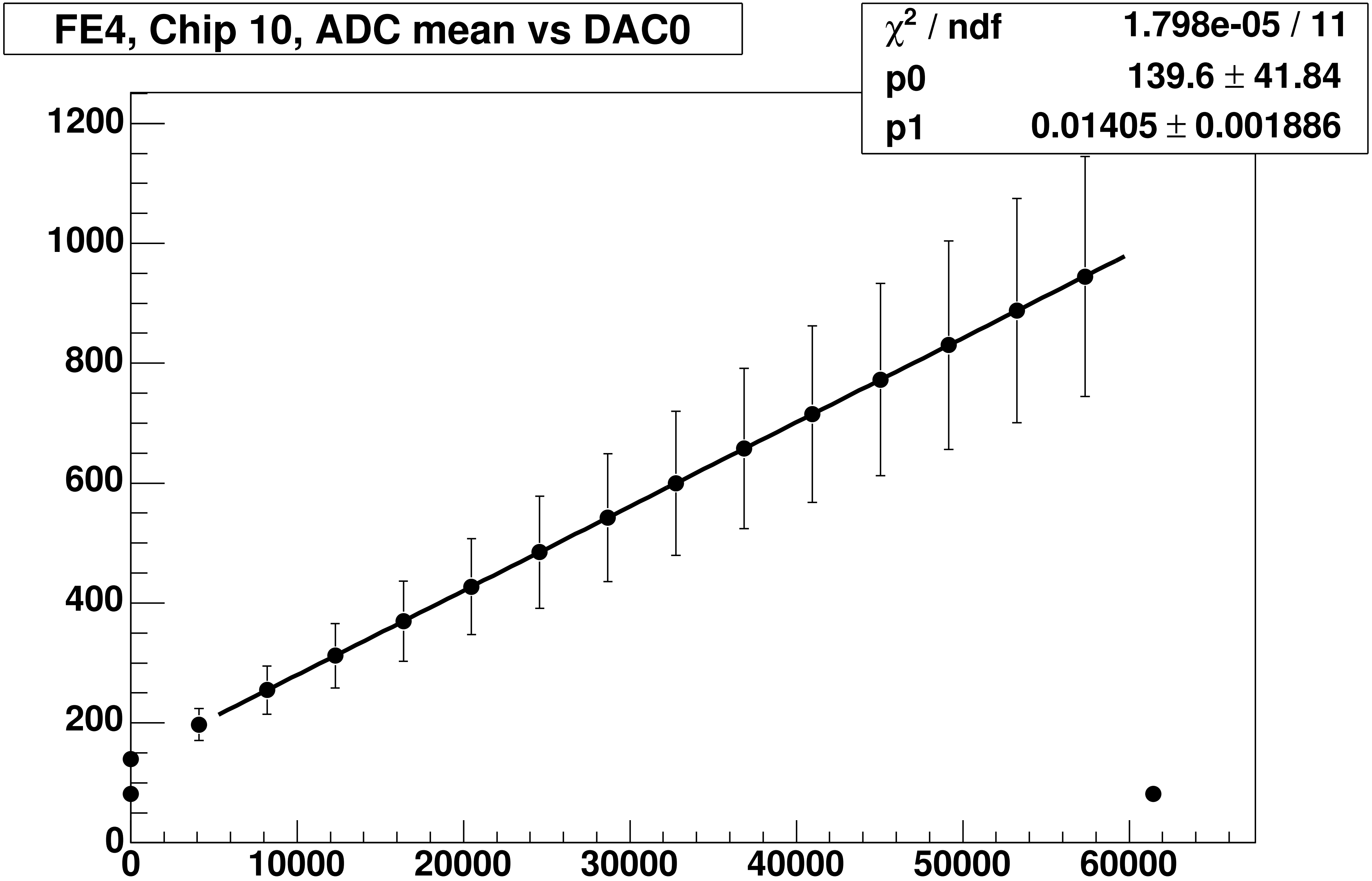


FE4, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.0003393 / 11
p0 87.91 ± 31.01
p1 0.436 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

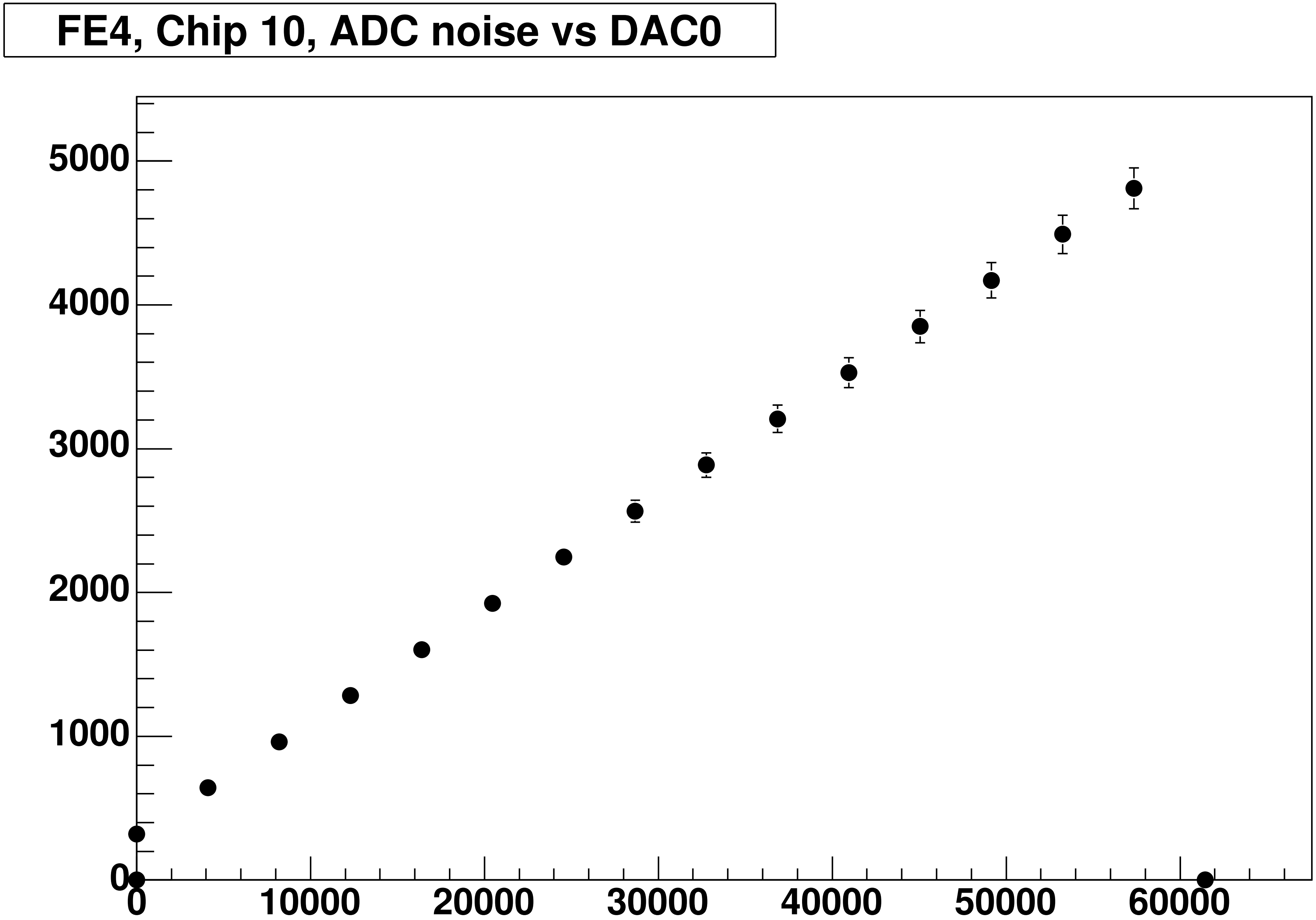
FE4, Chip 9, ADC noise vs DAC1

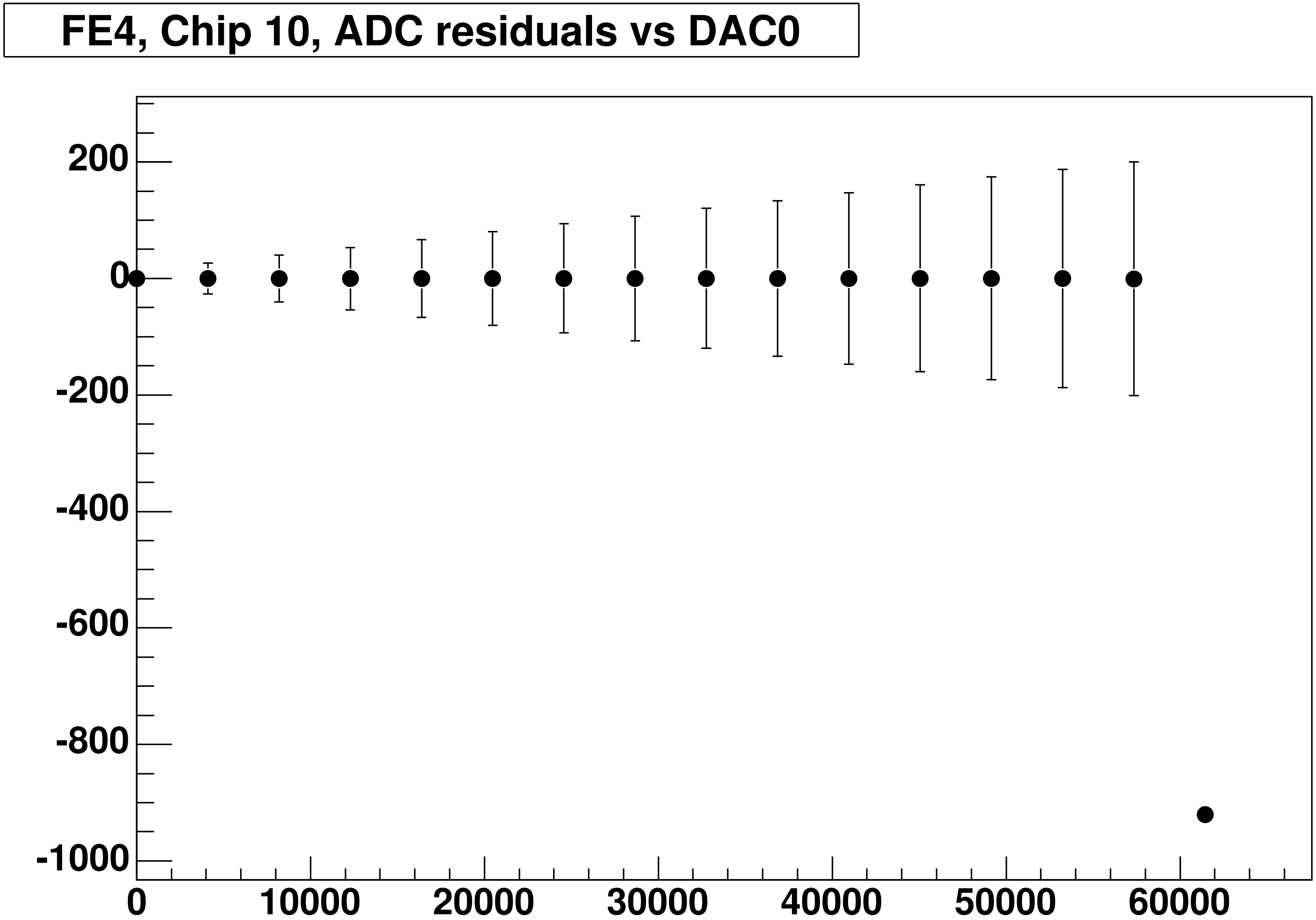


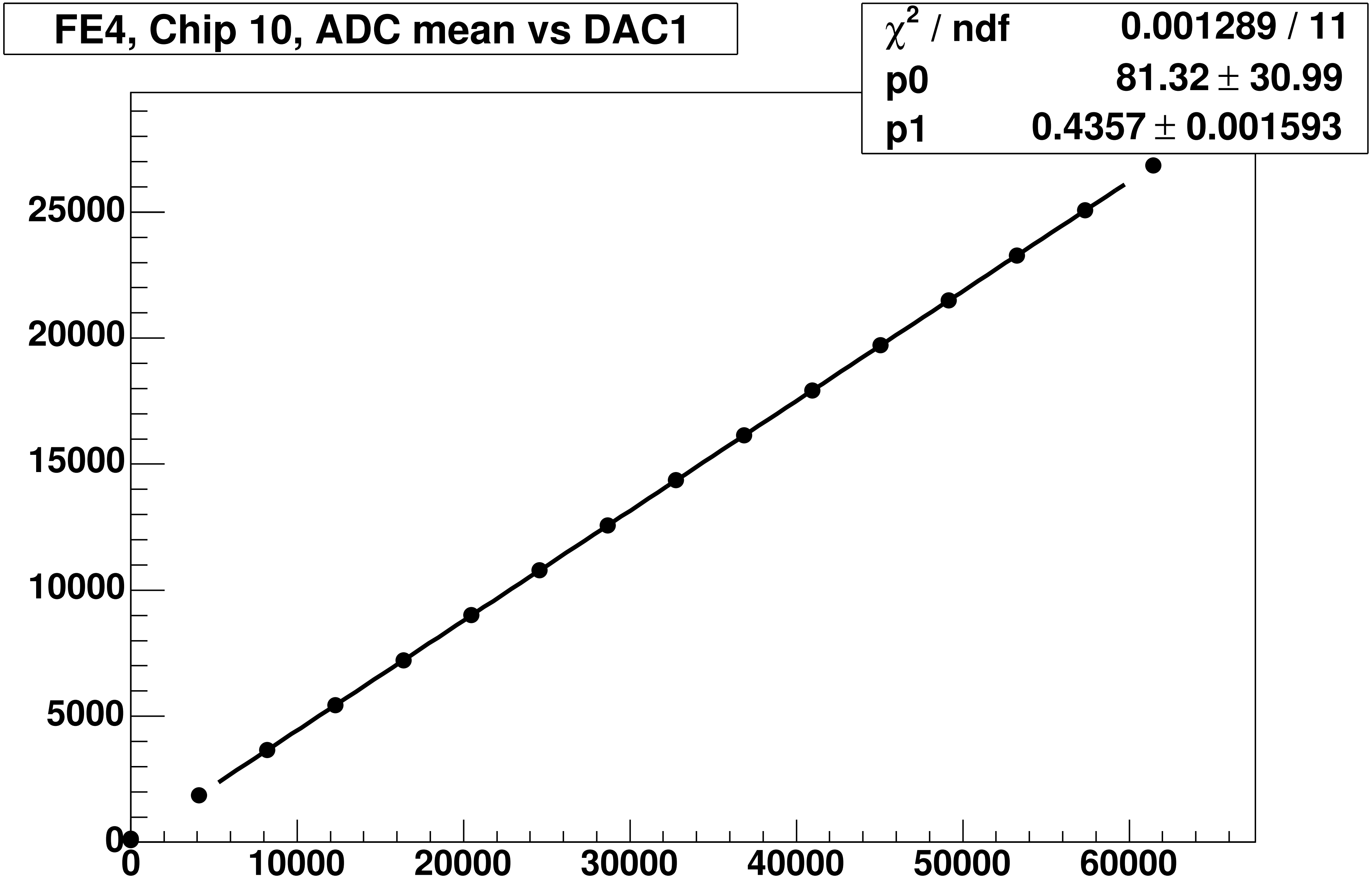

FE4, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

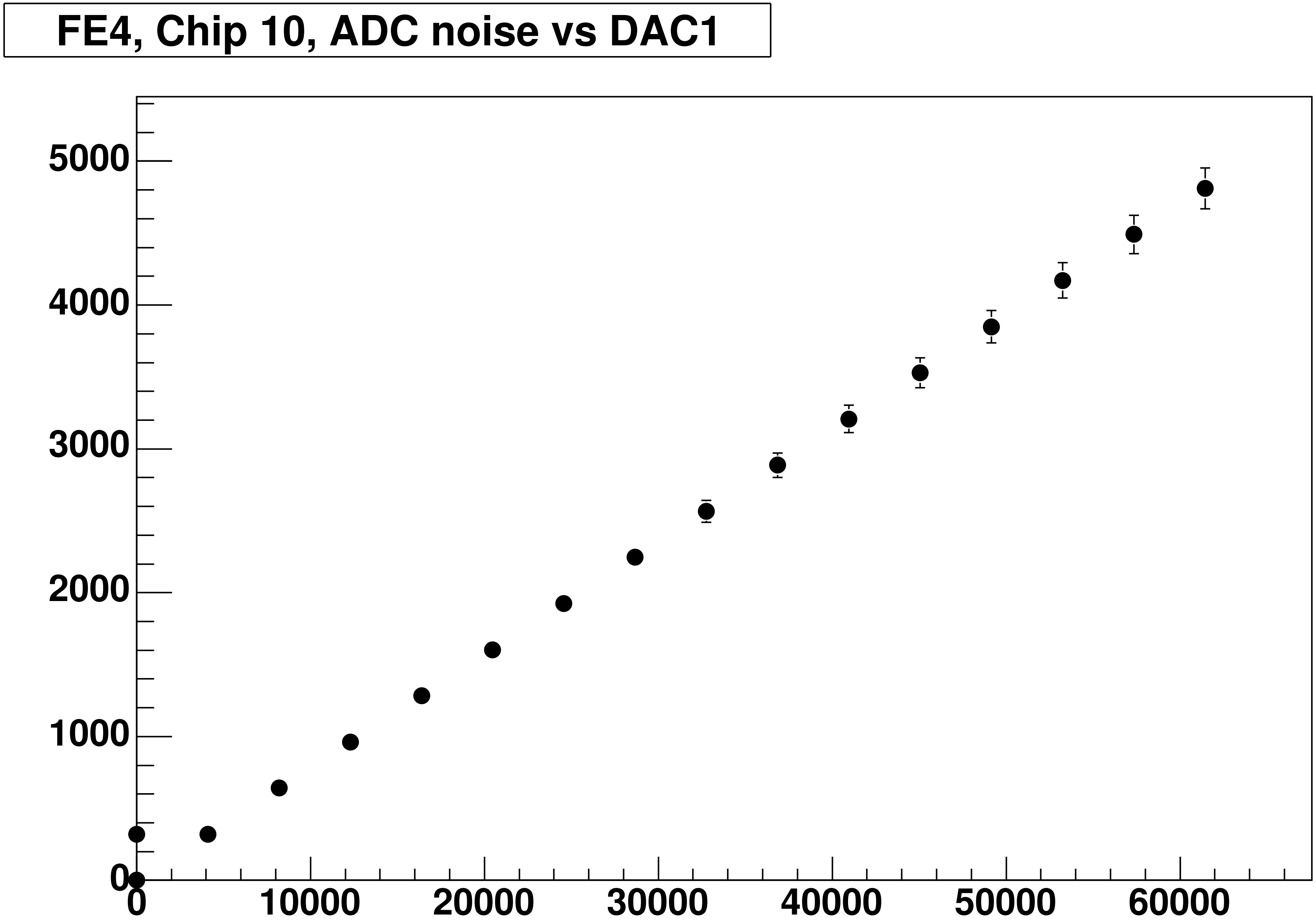


FE4, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1.798e-05 / 11
p0 139.6 ± 41.84
p1 0.01405 ± 0.001886
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

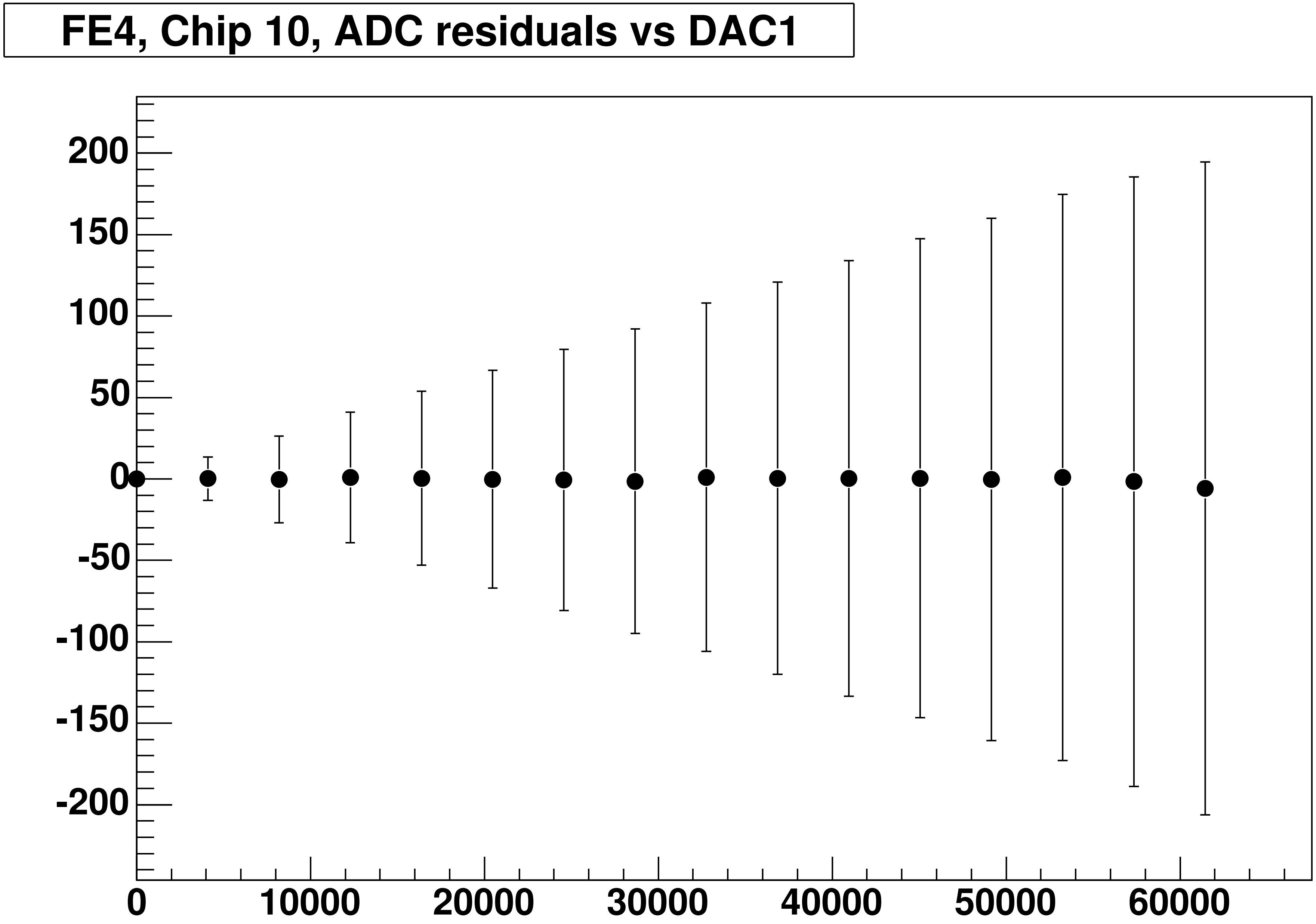

FE4, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

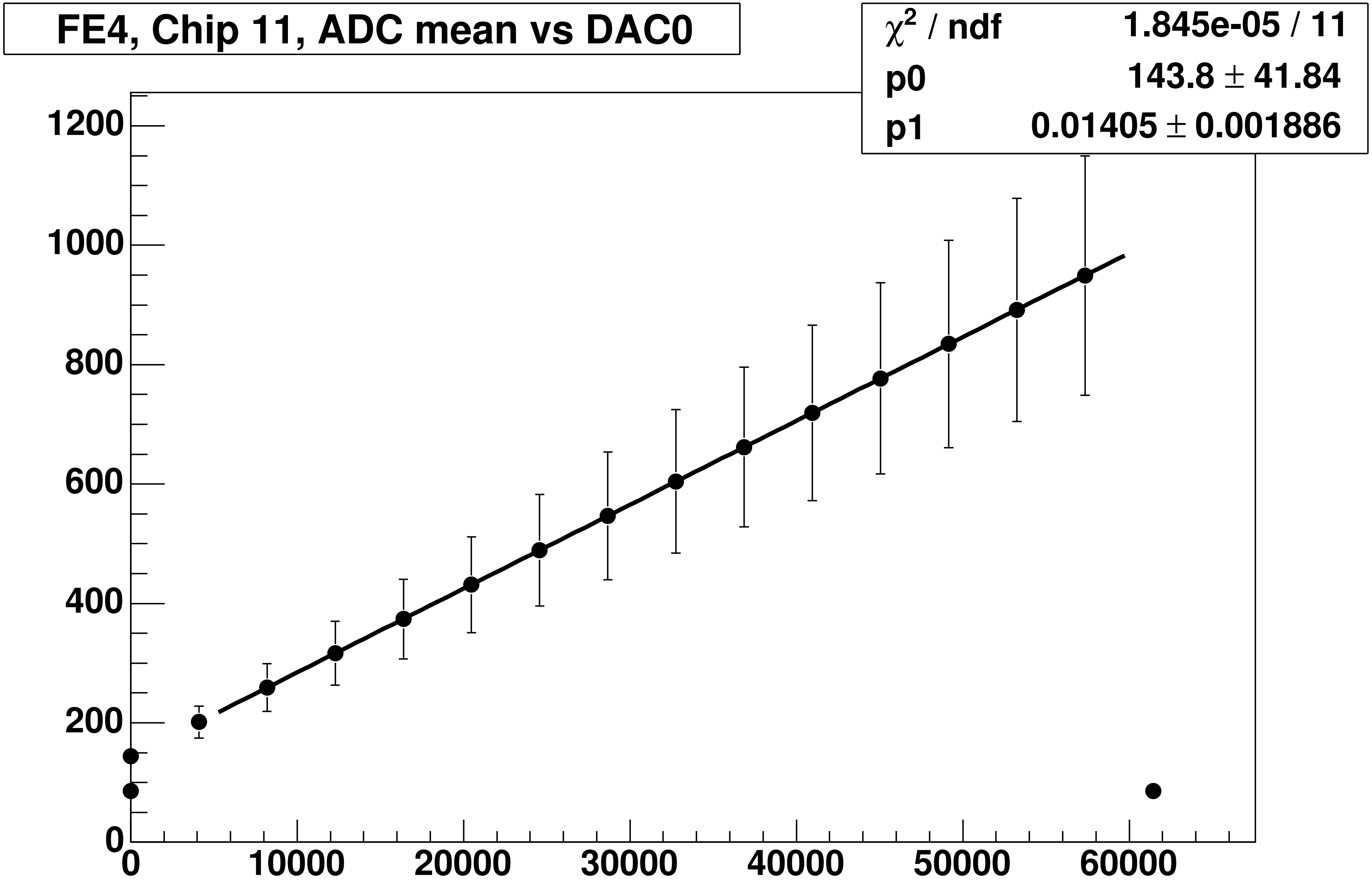

FE4, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE4, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001289 / 11
p0 81.32 ± 30.99
p1 0.4357 ± 0.001593
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

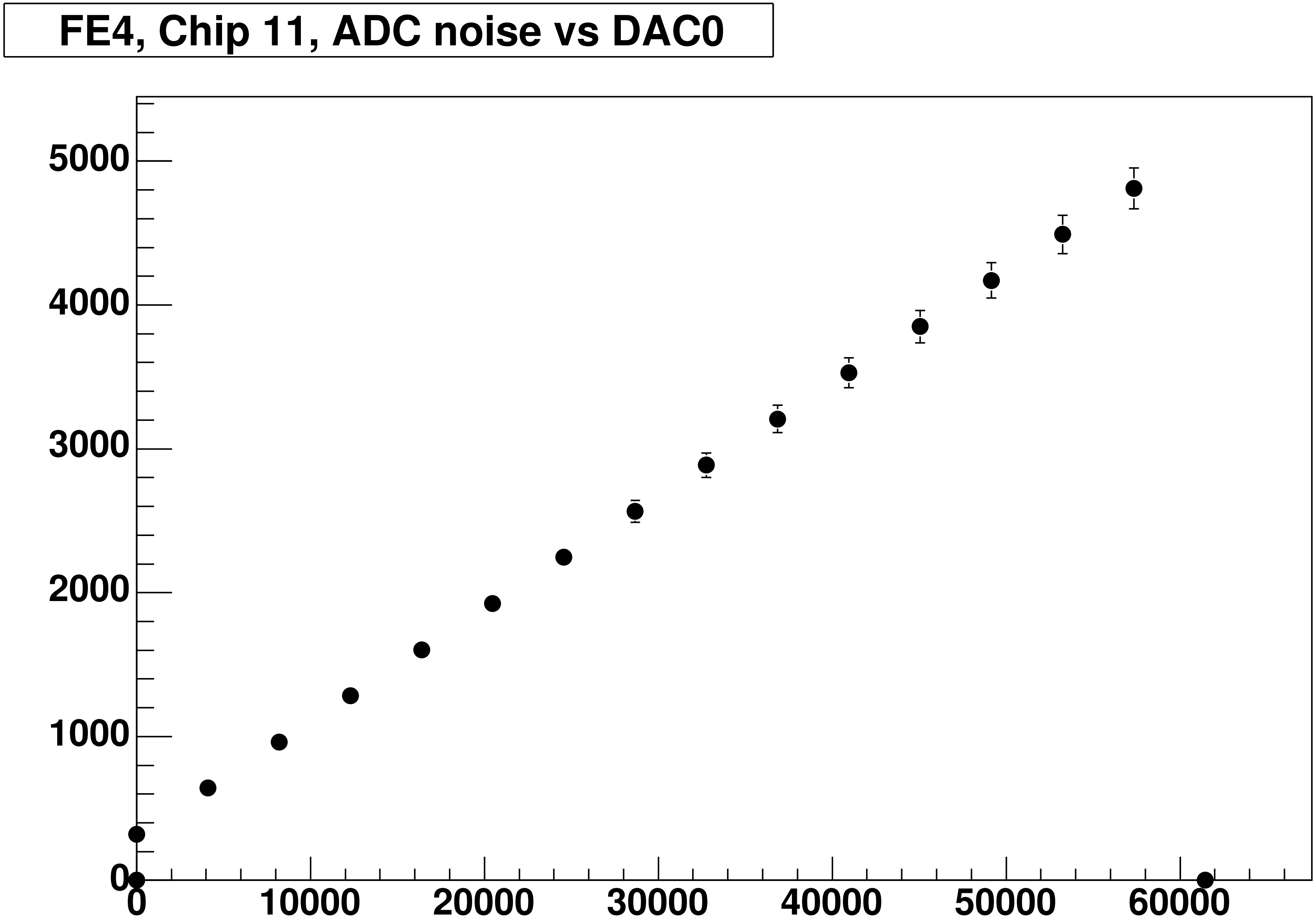


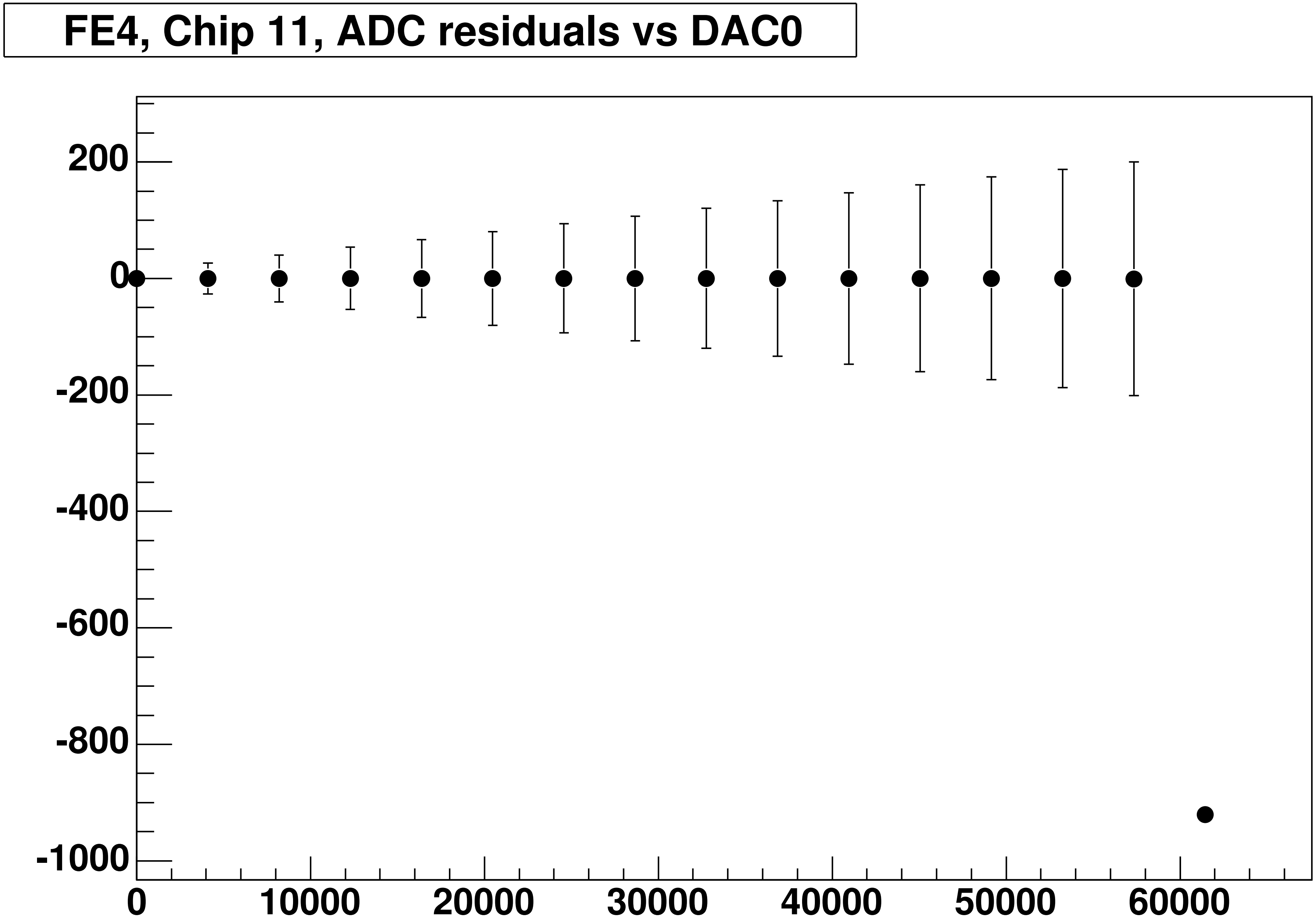
FE4, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

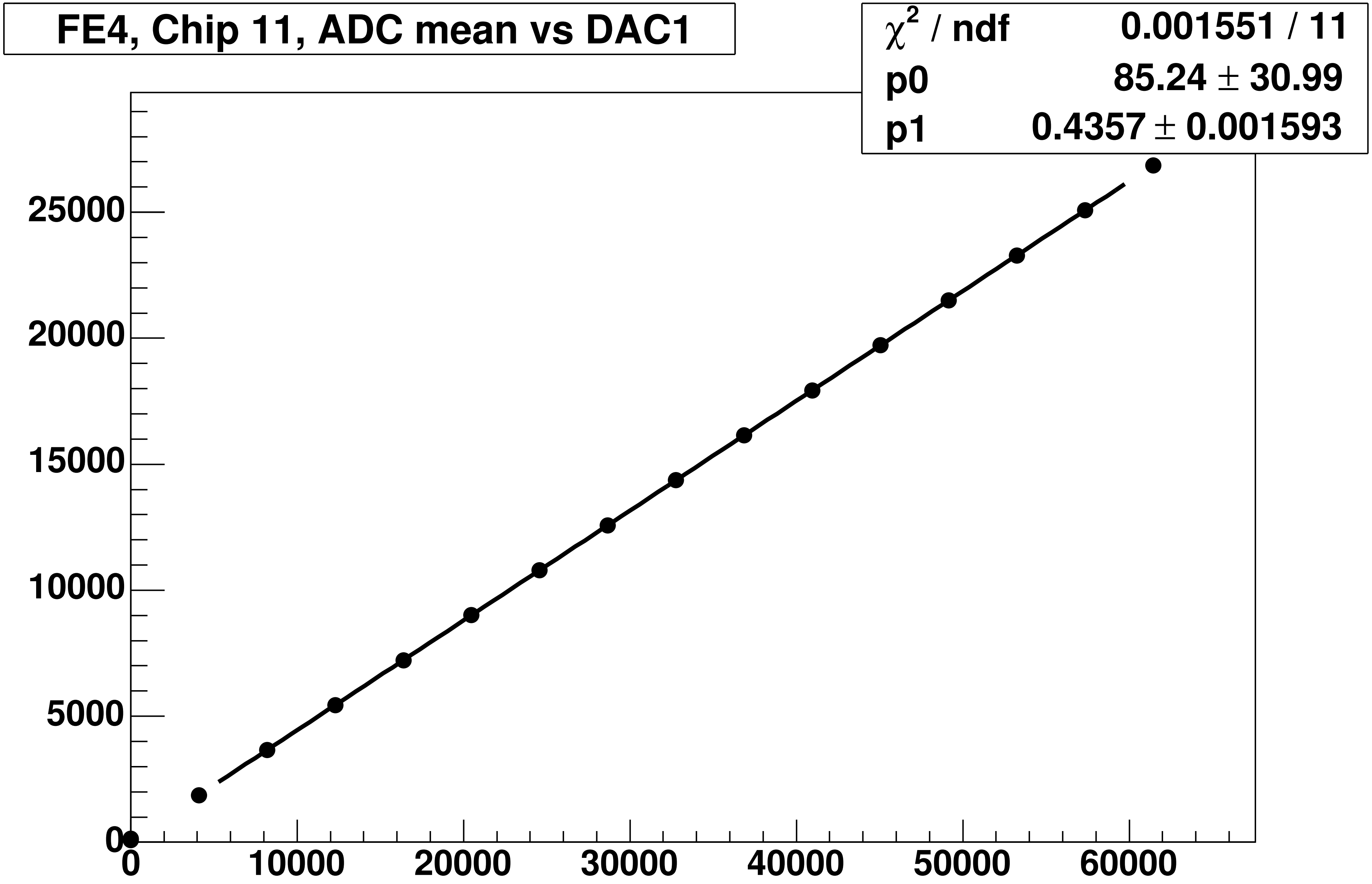

FE4, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



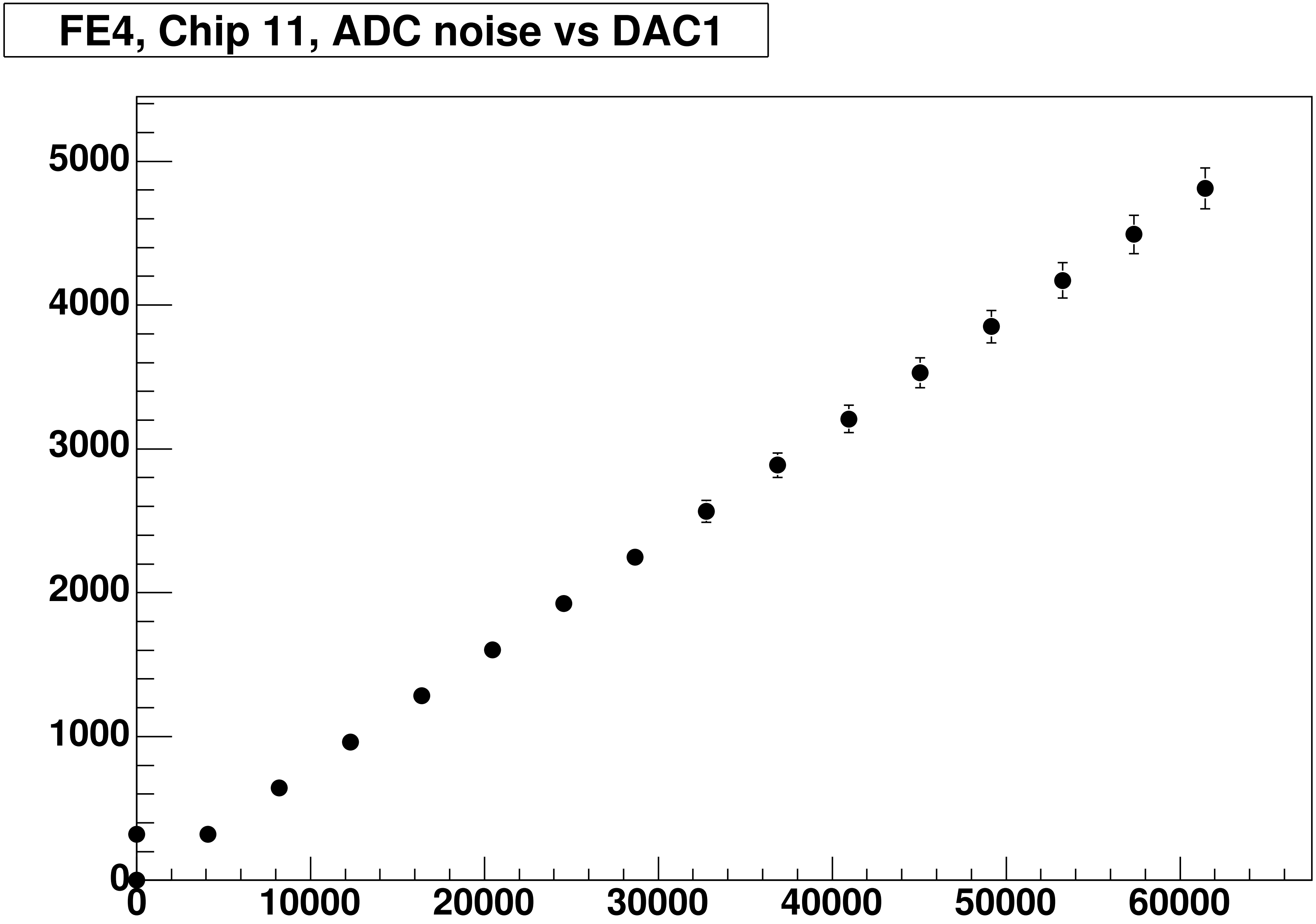
FE4, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1.845e-05 / 11
p0 143.8 ± 41.84
p1 0.01405 ± 0.001886
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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

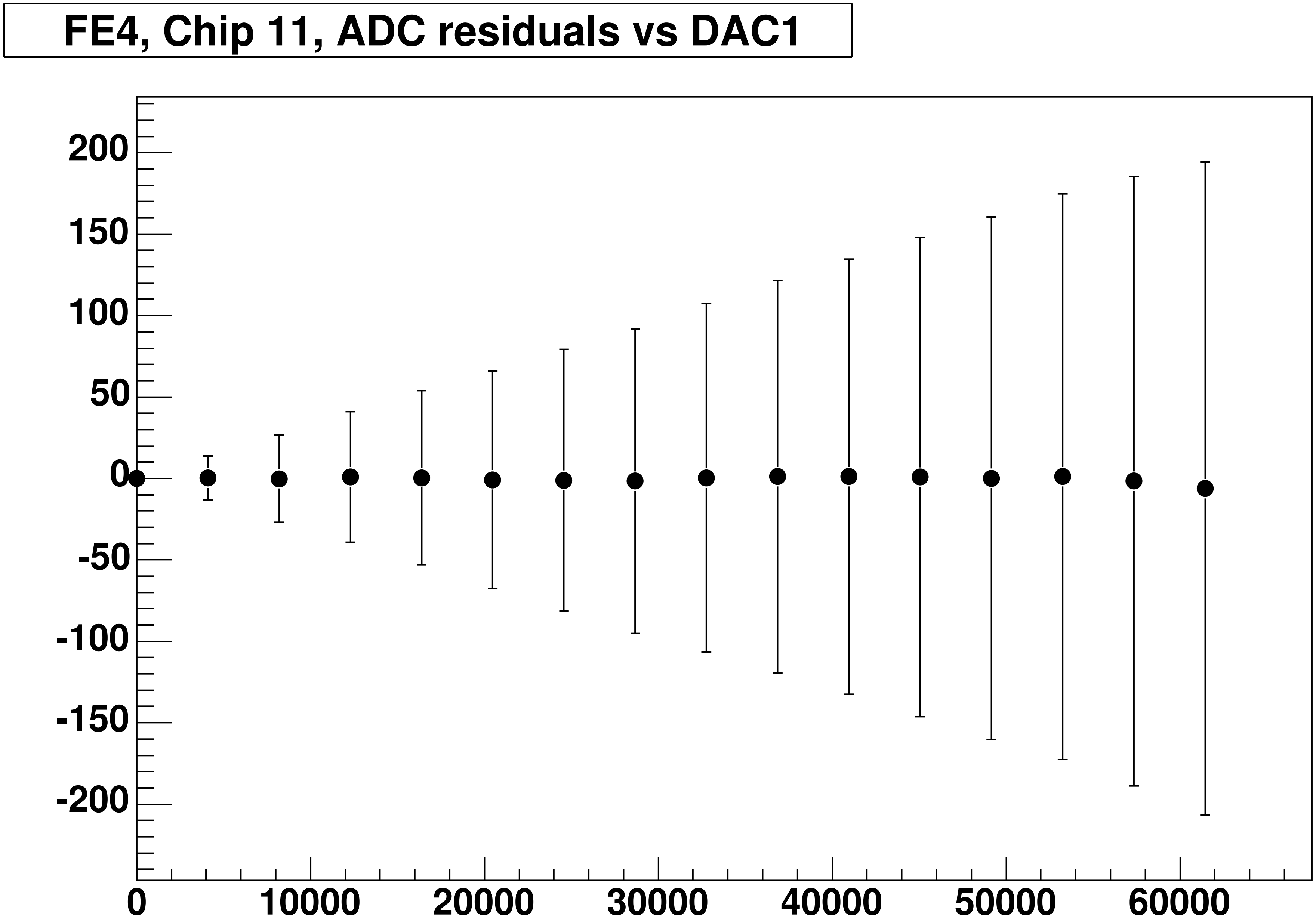

FE4, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

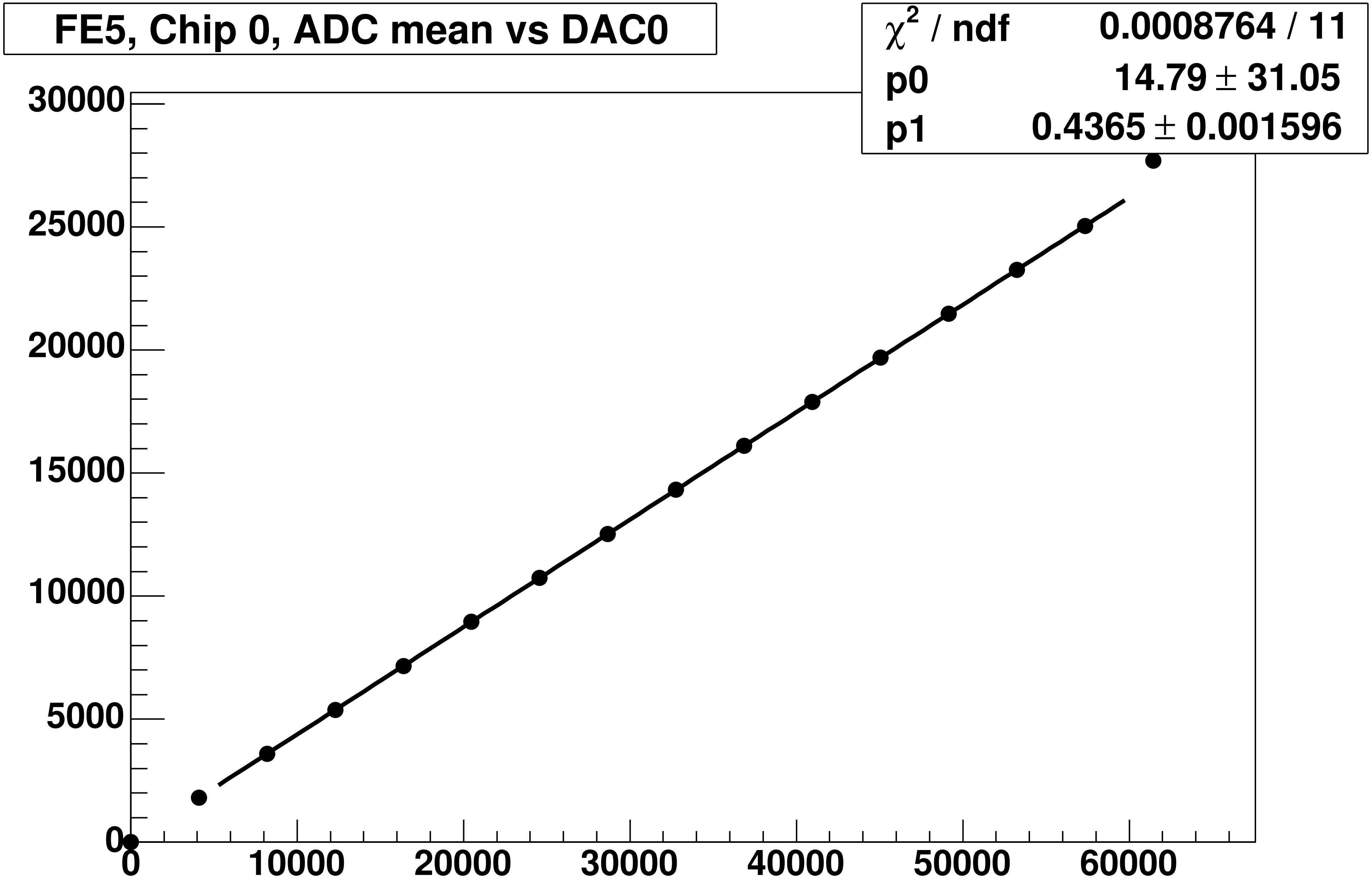


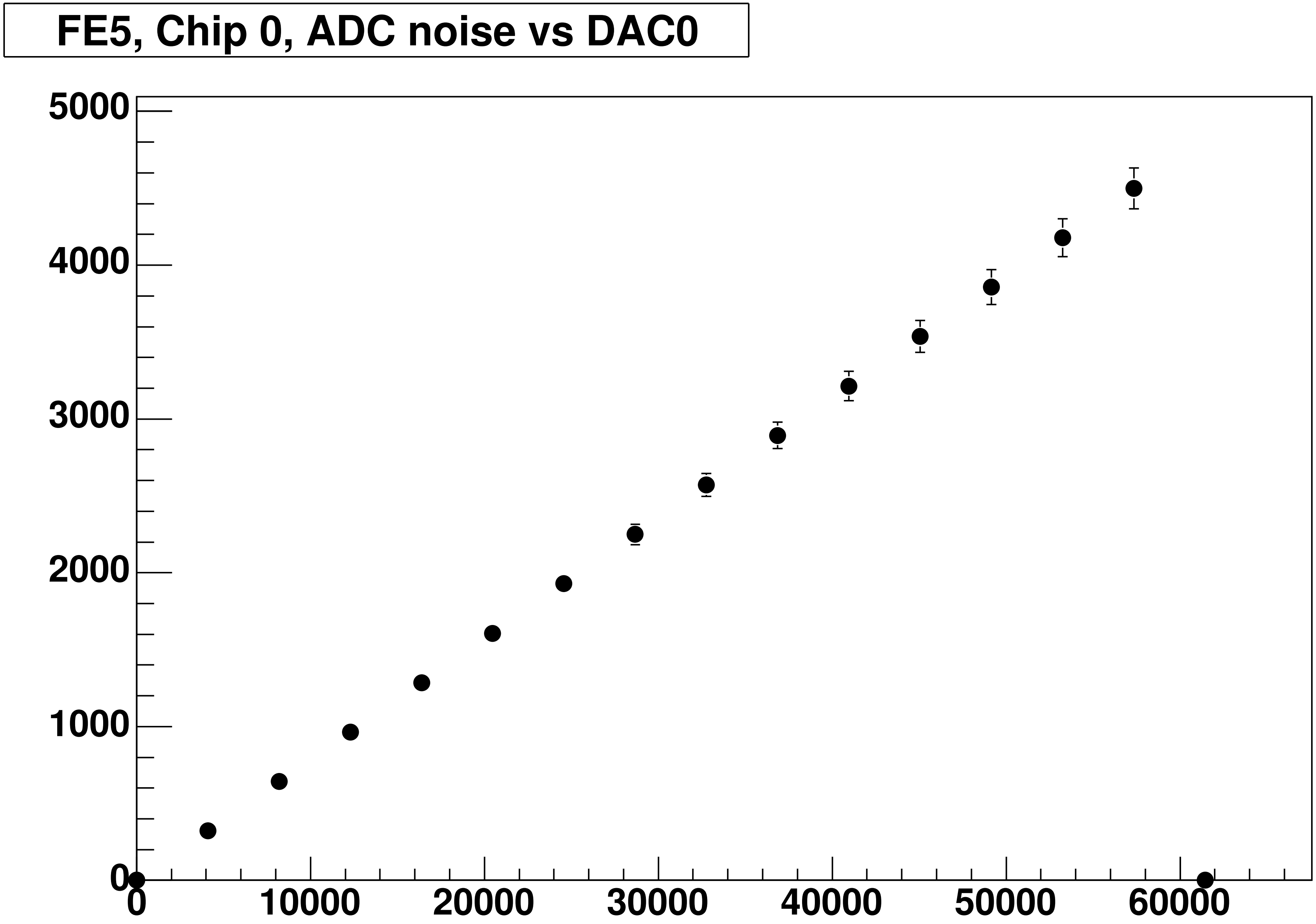
FE4, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.001551 / 11
p0 85.24 ± 30.99
p1 0.4357 ± 0.001593
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

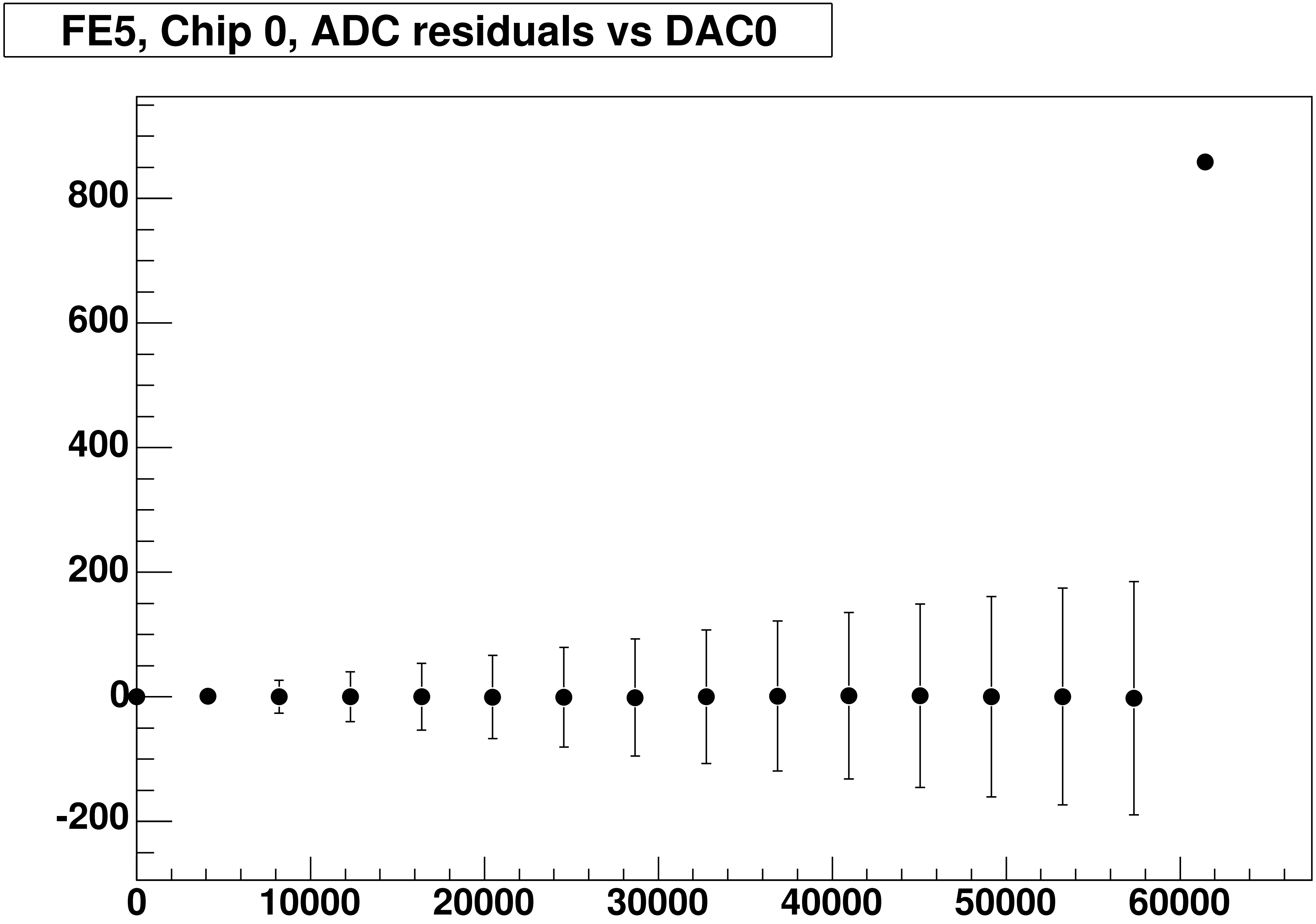


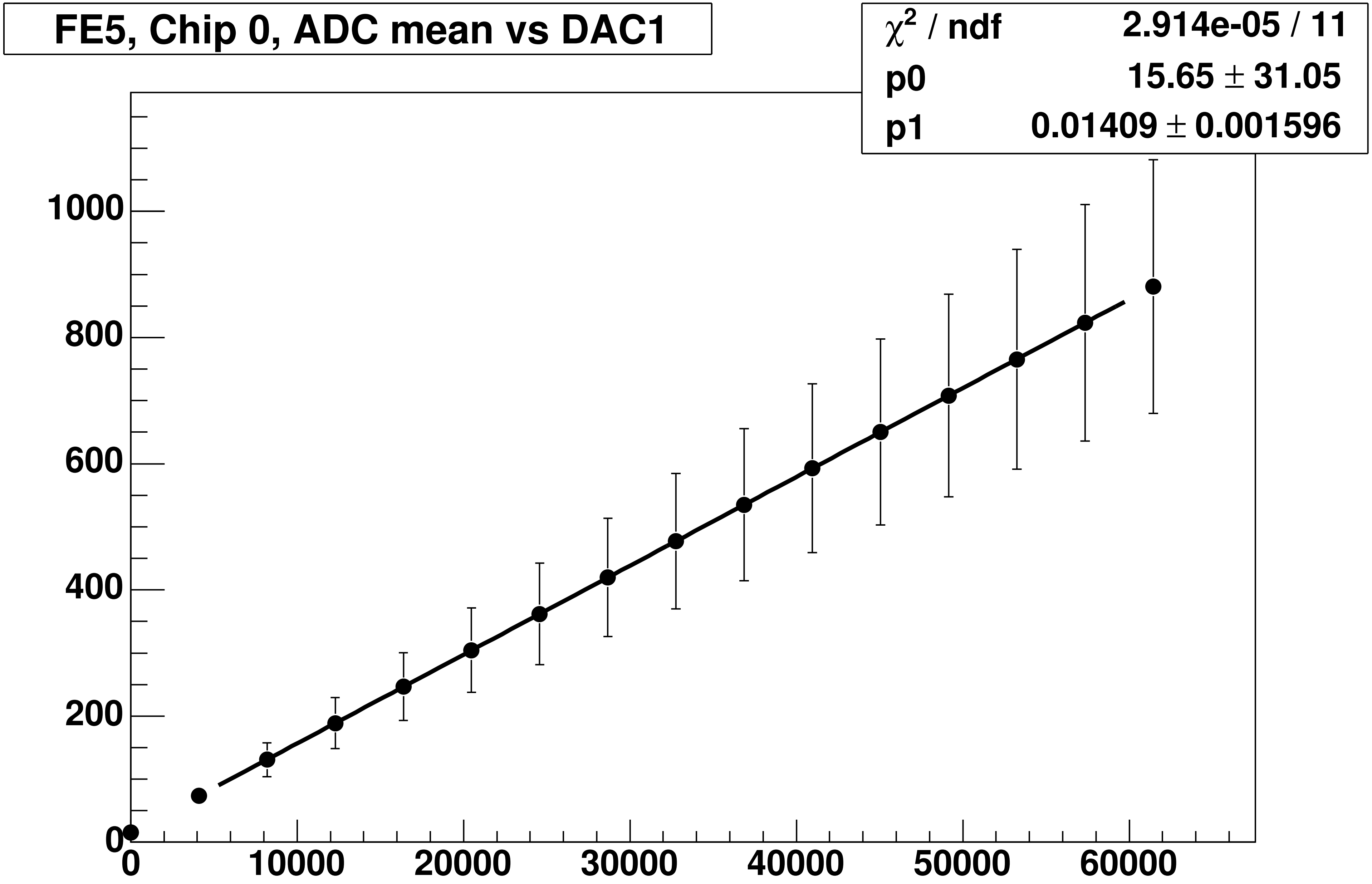
FE4, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

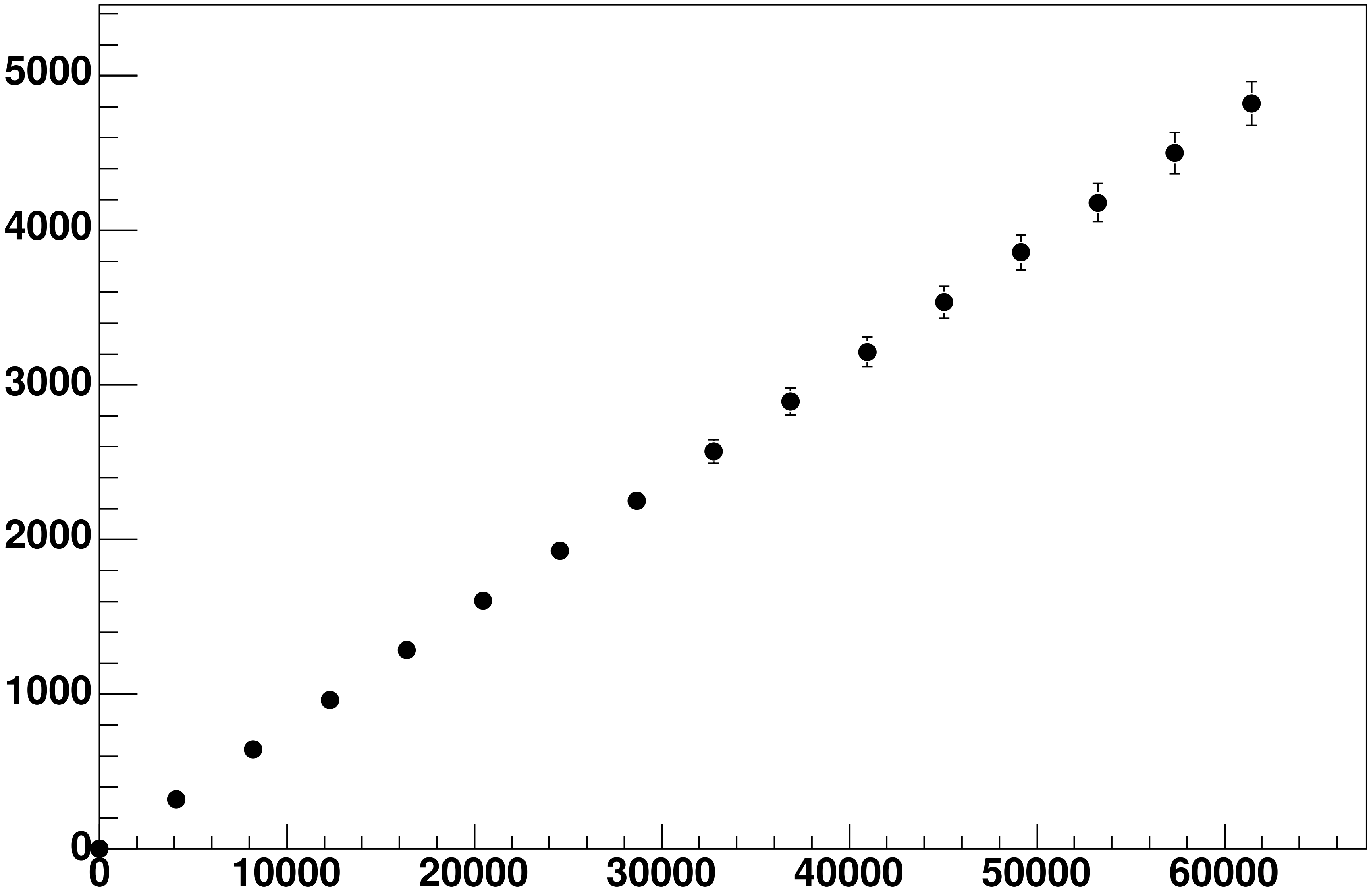

FE5, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.0008764 / 11
p0 14.79 ± 31.05
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

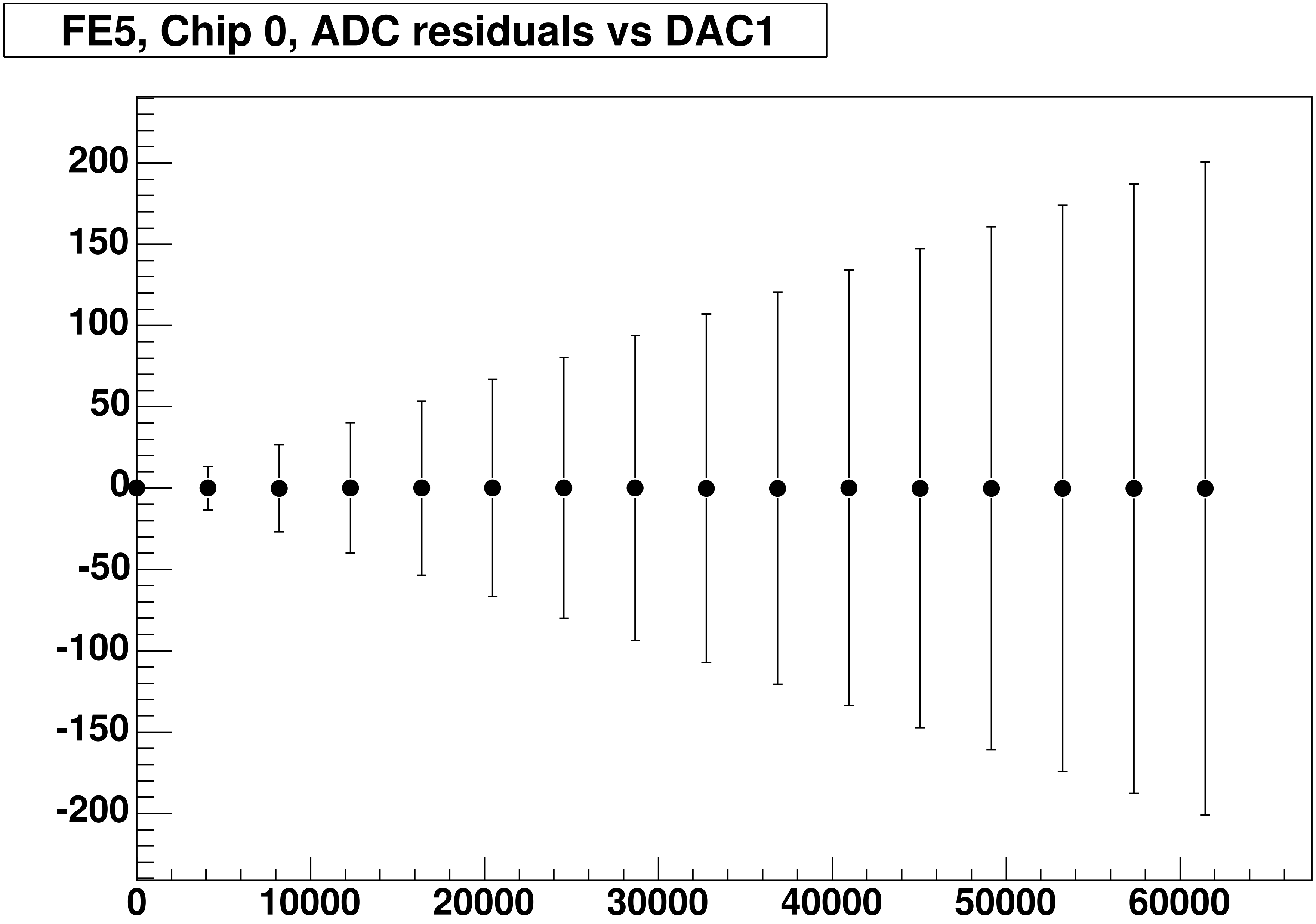

FE5, Chip 0, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

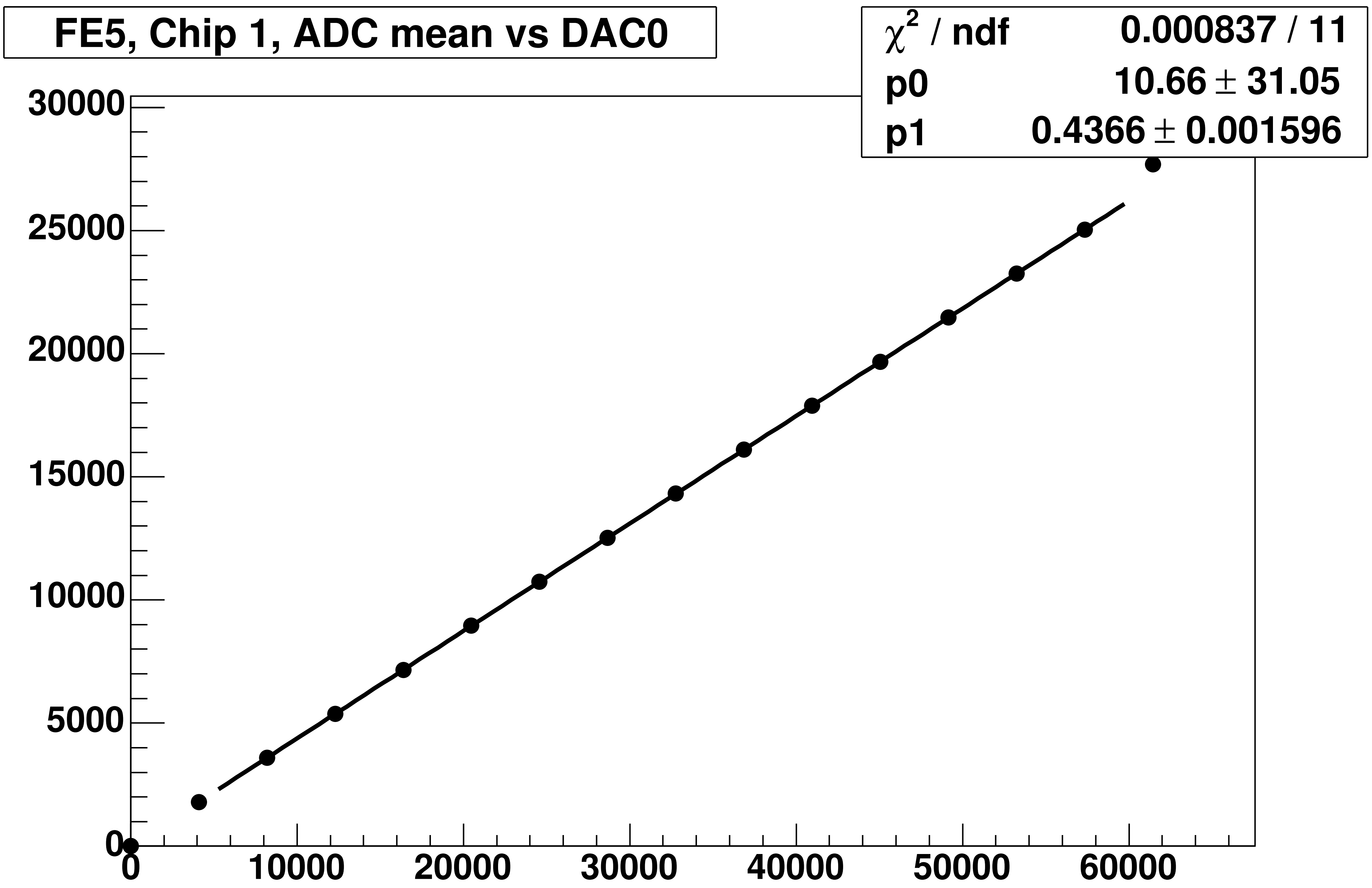

FE5, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

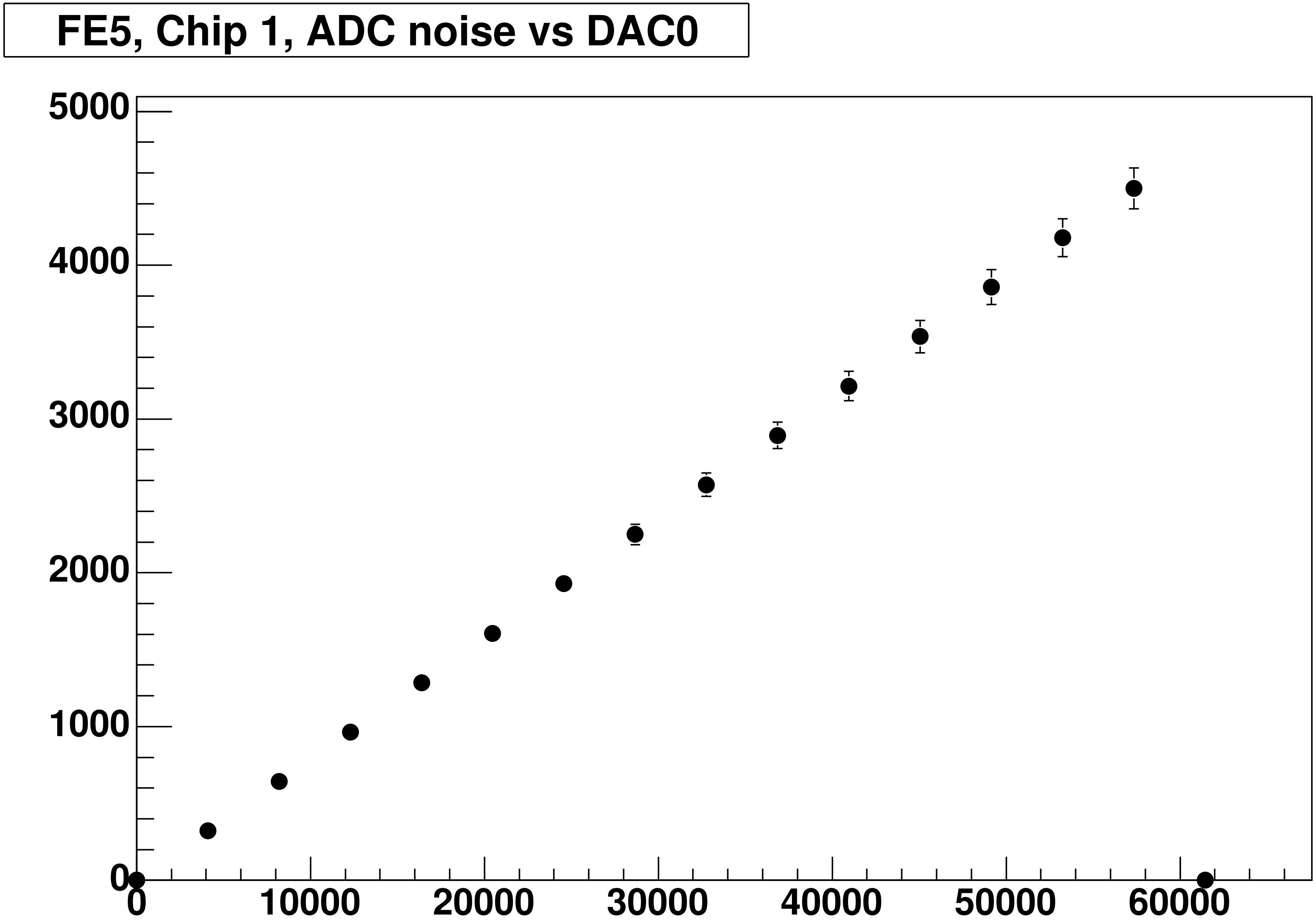

FE5, Chip 0, ADC mean vs DAC1
χ^2 / ndf 2.914e-05 / 11
p0 15.65 ± 31.05
p1 0.01409 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

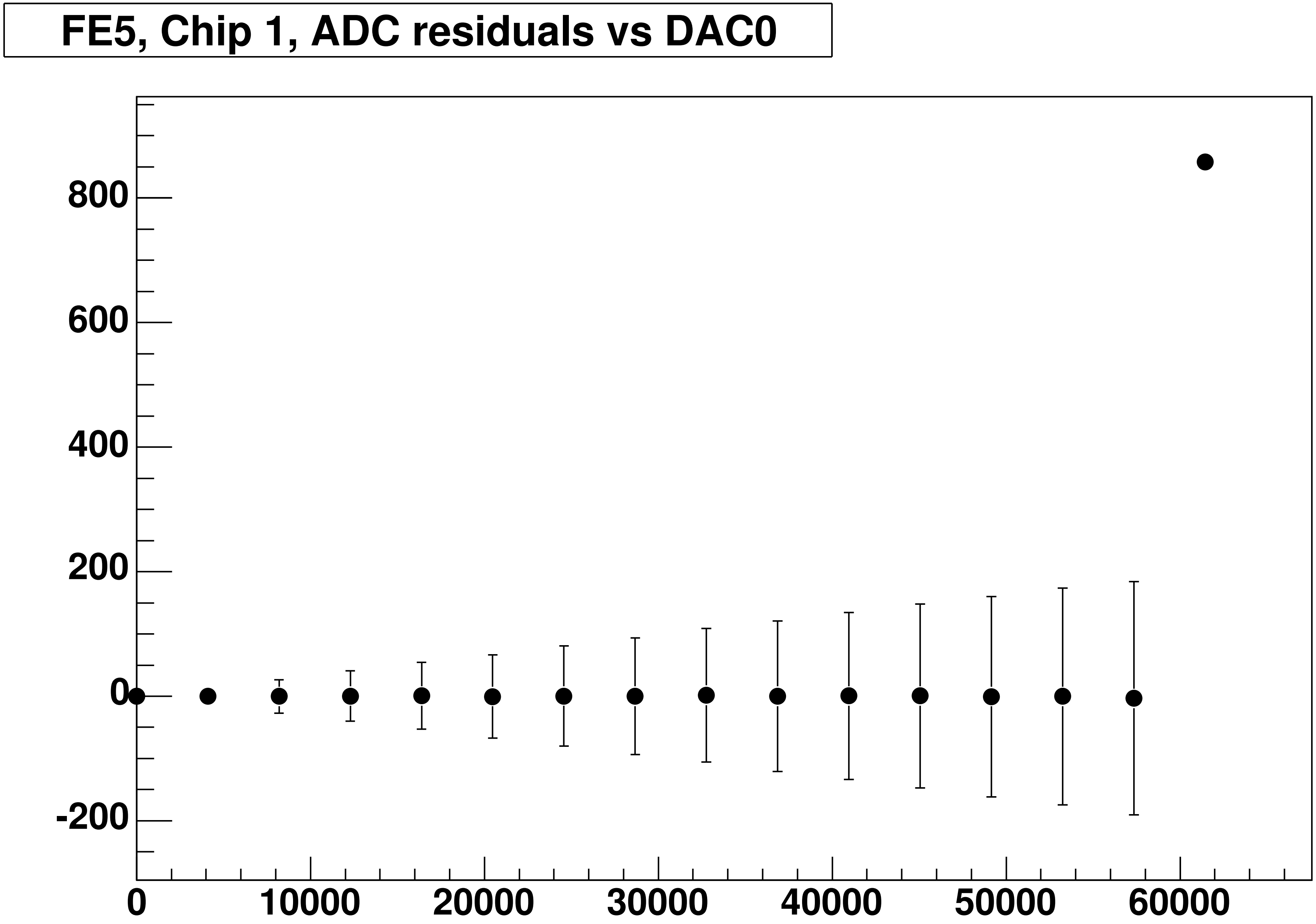
FE5, Chip 0, ADC noise vs DAC1



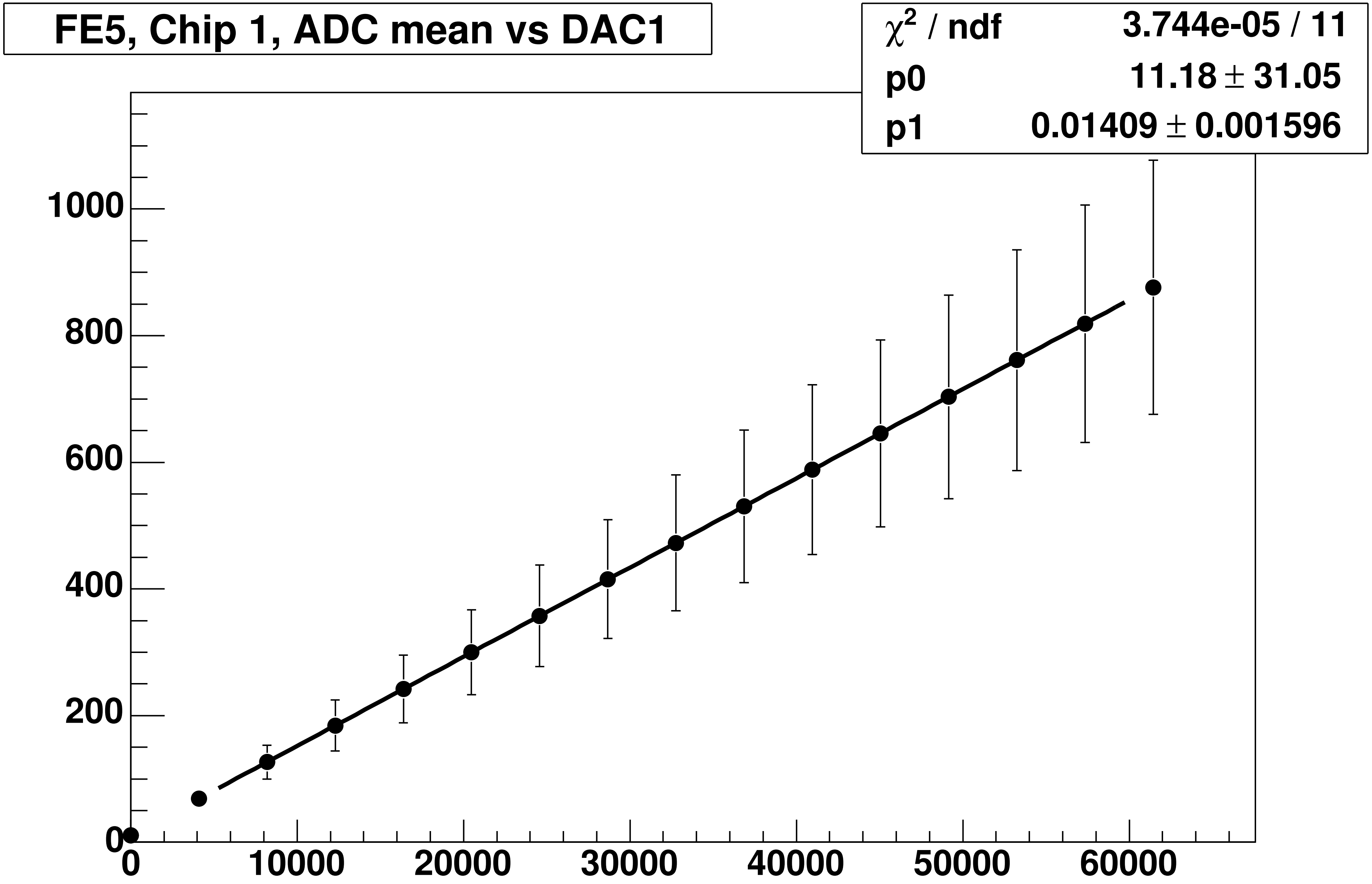

FE5, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

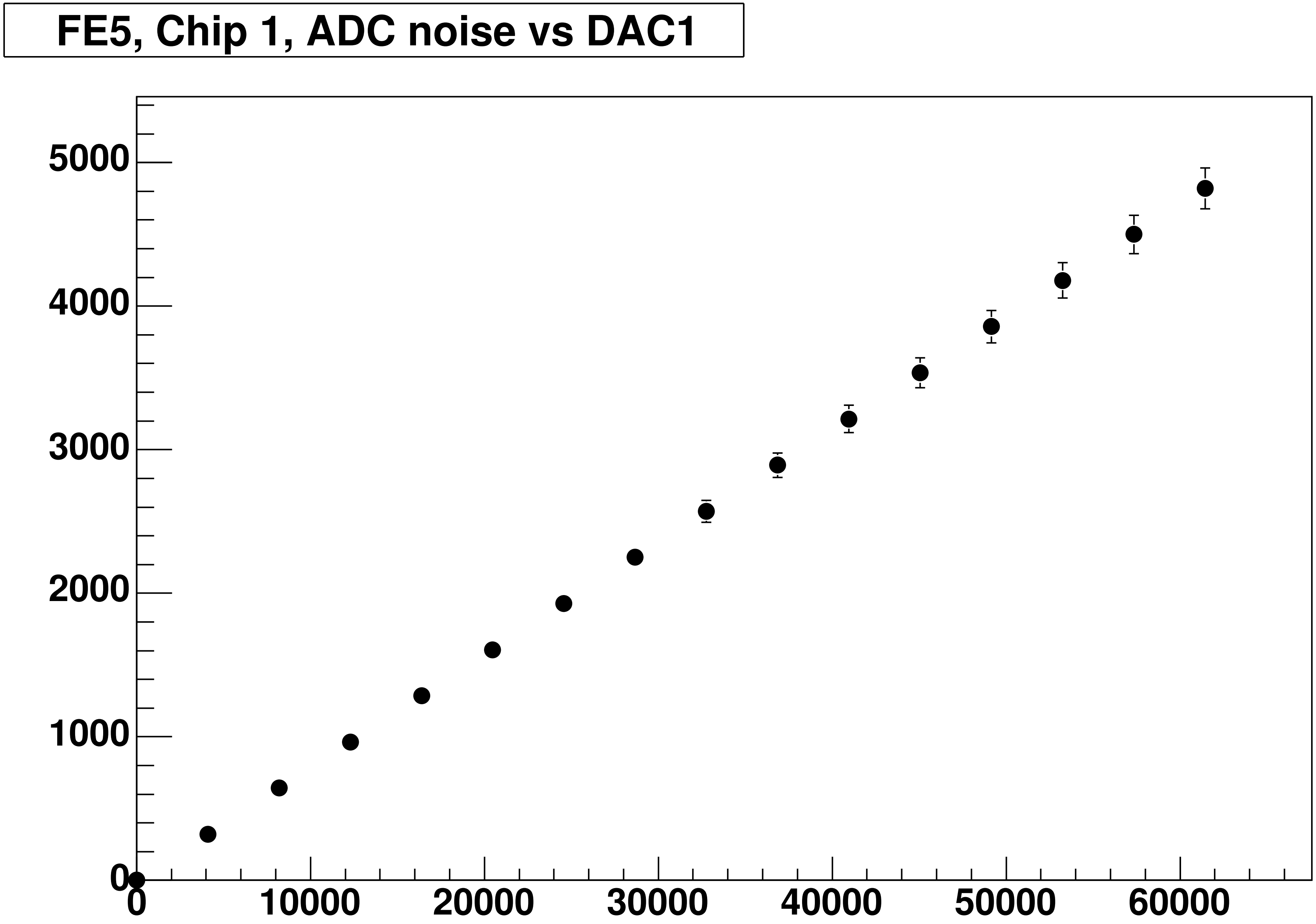

FE5, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.000837 / 11
p0 10.66 ± 31.05
p1 0.4366 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


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

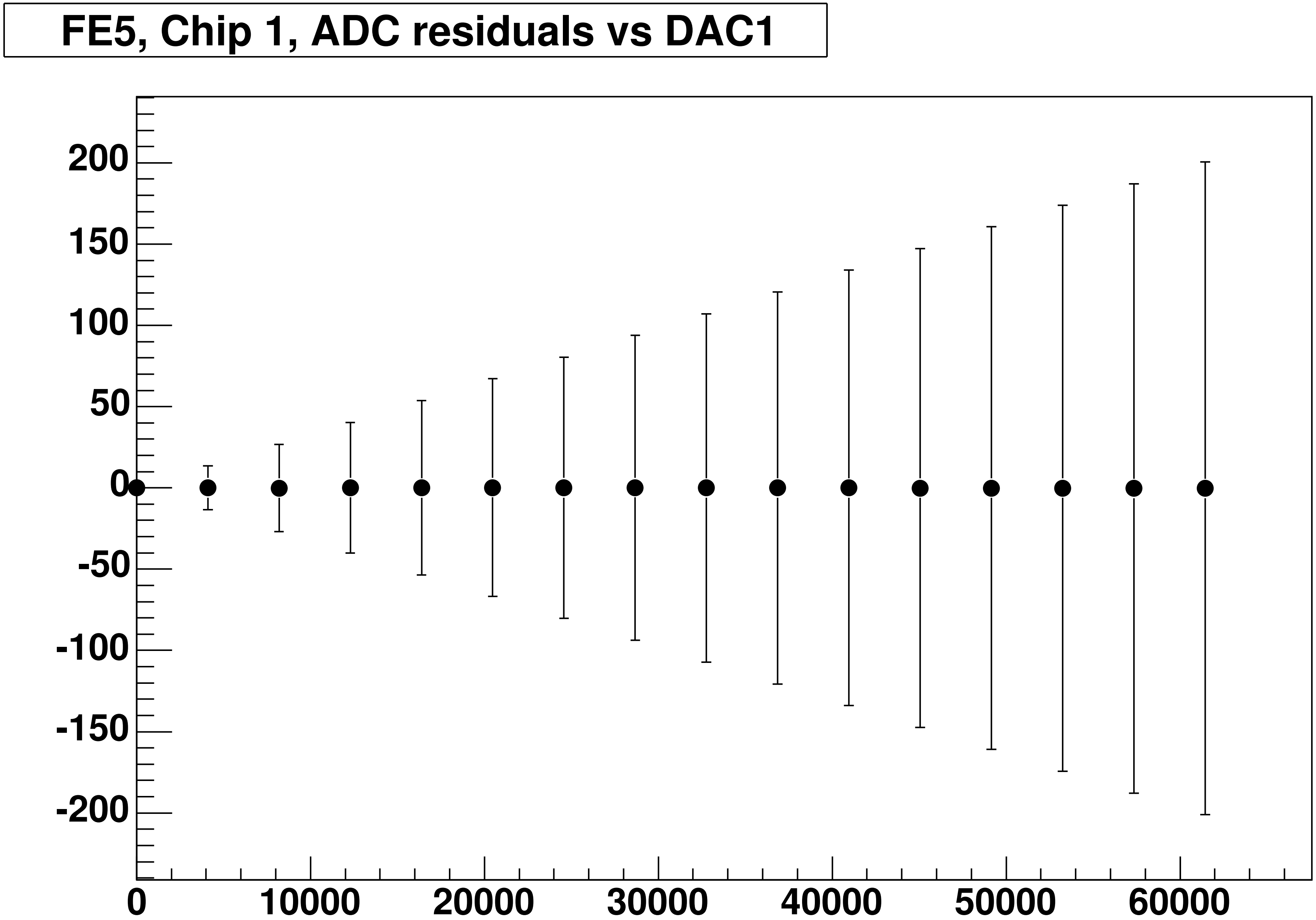


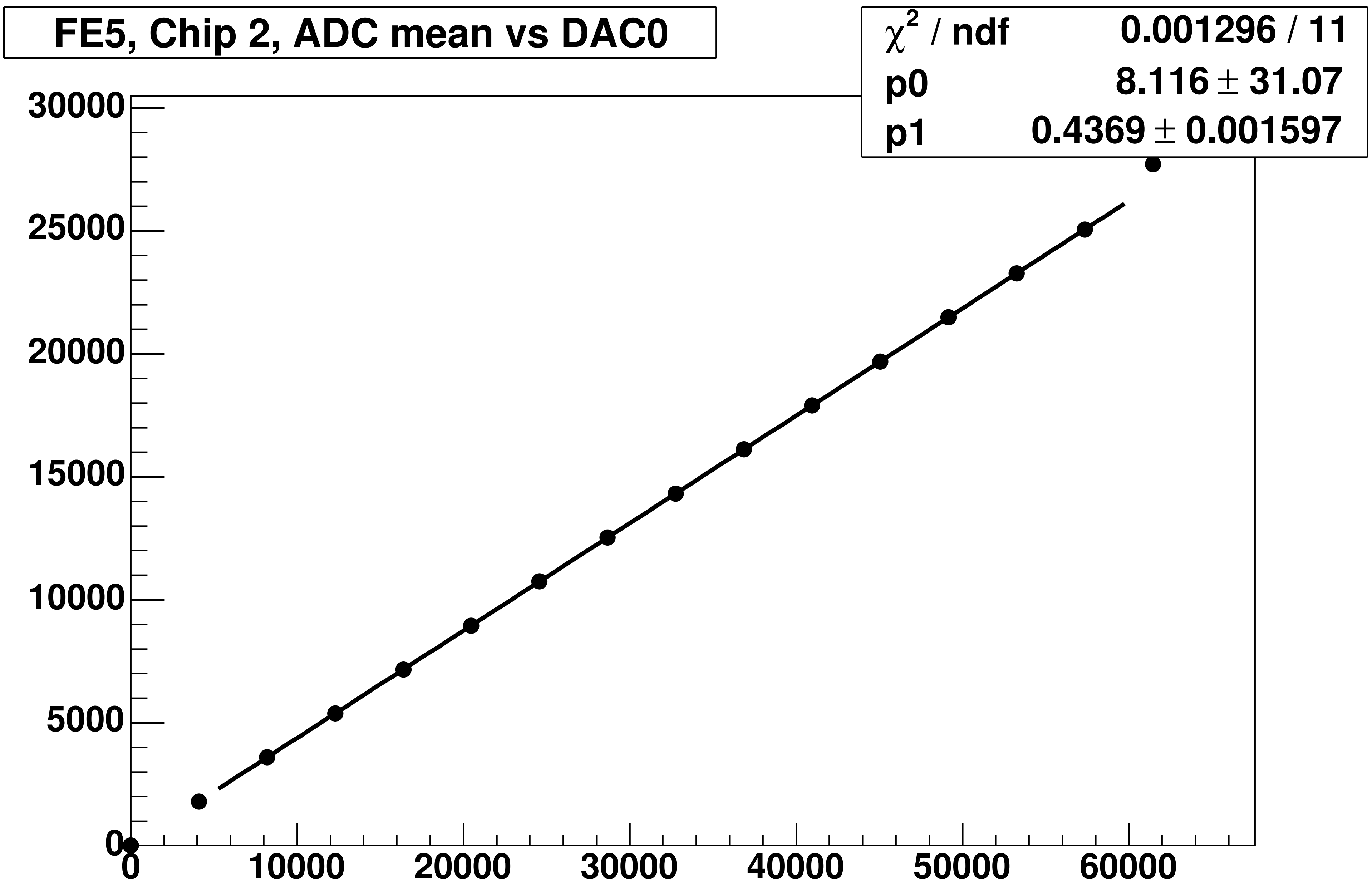
FE5, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

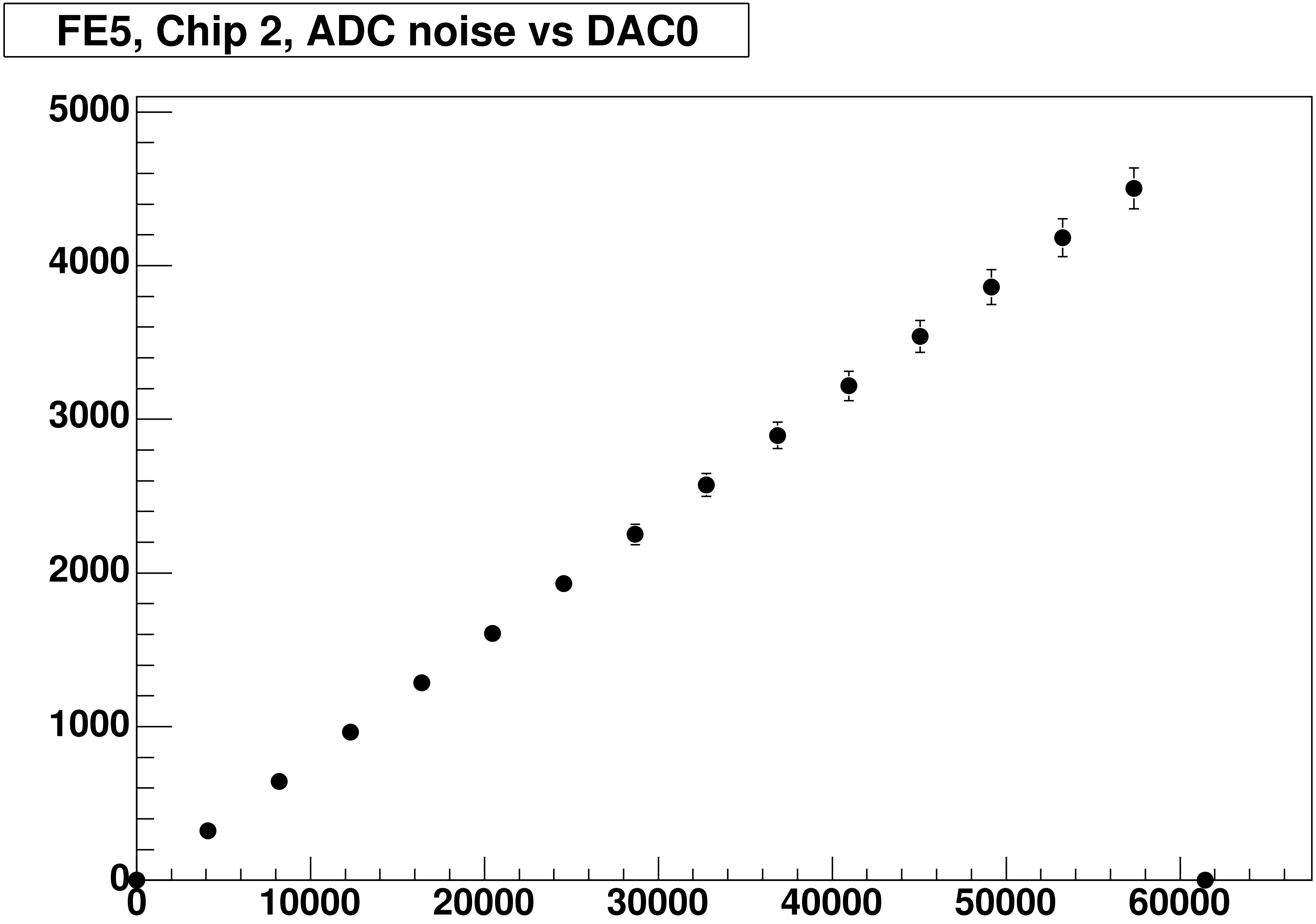

FE5, Chip 1, ADC mean vs DAC1
χ^2 / ndf 3.744e-05 / 11
p0 11.18 ± 31.05
p1 0.01409 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

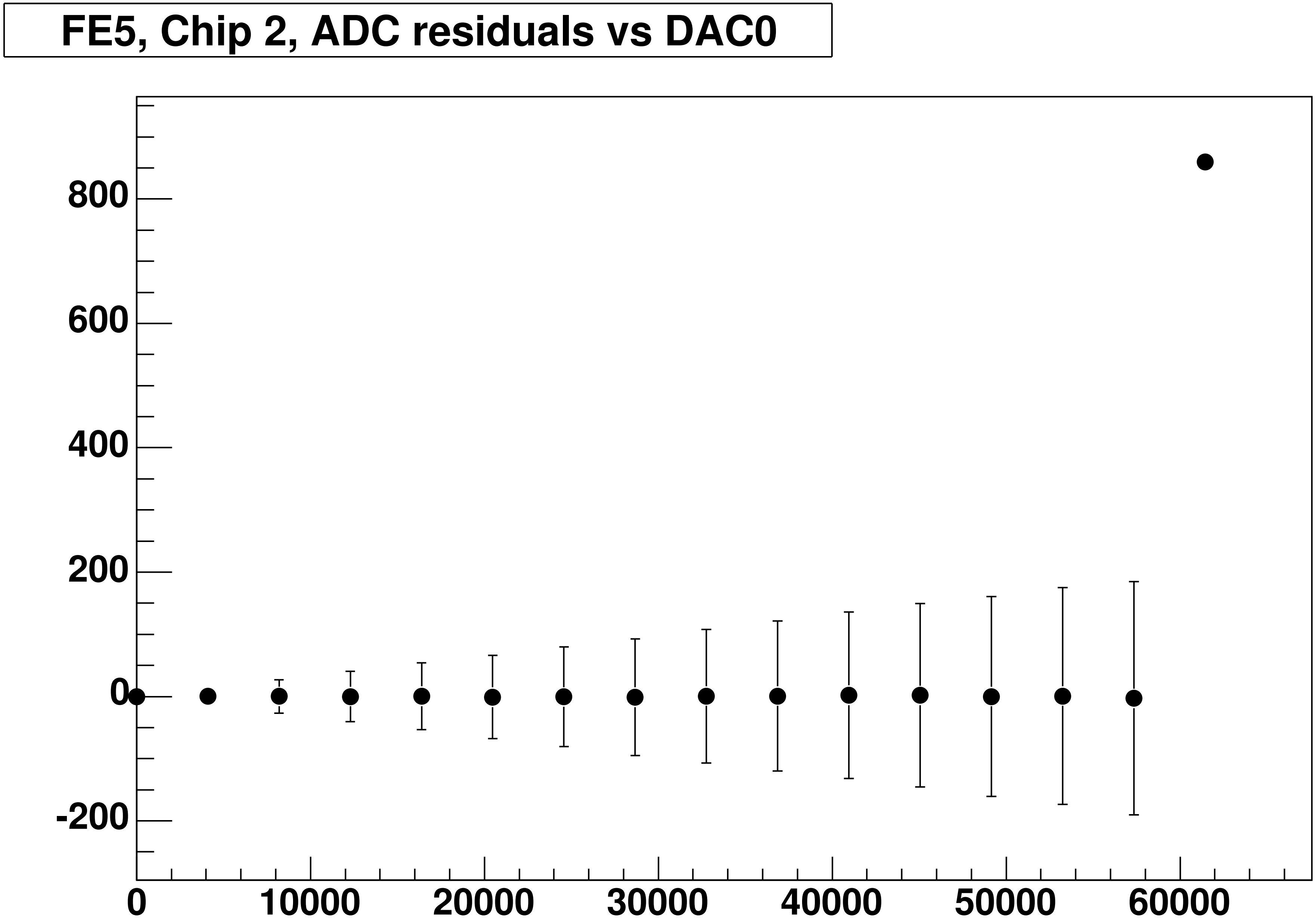


FE5, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

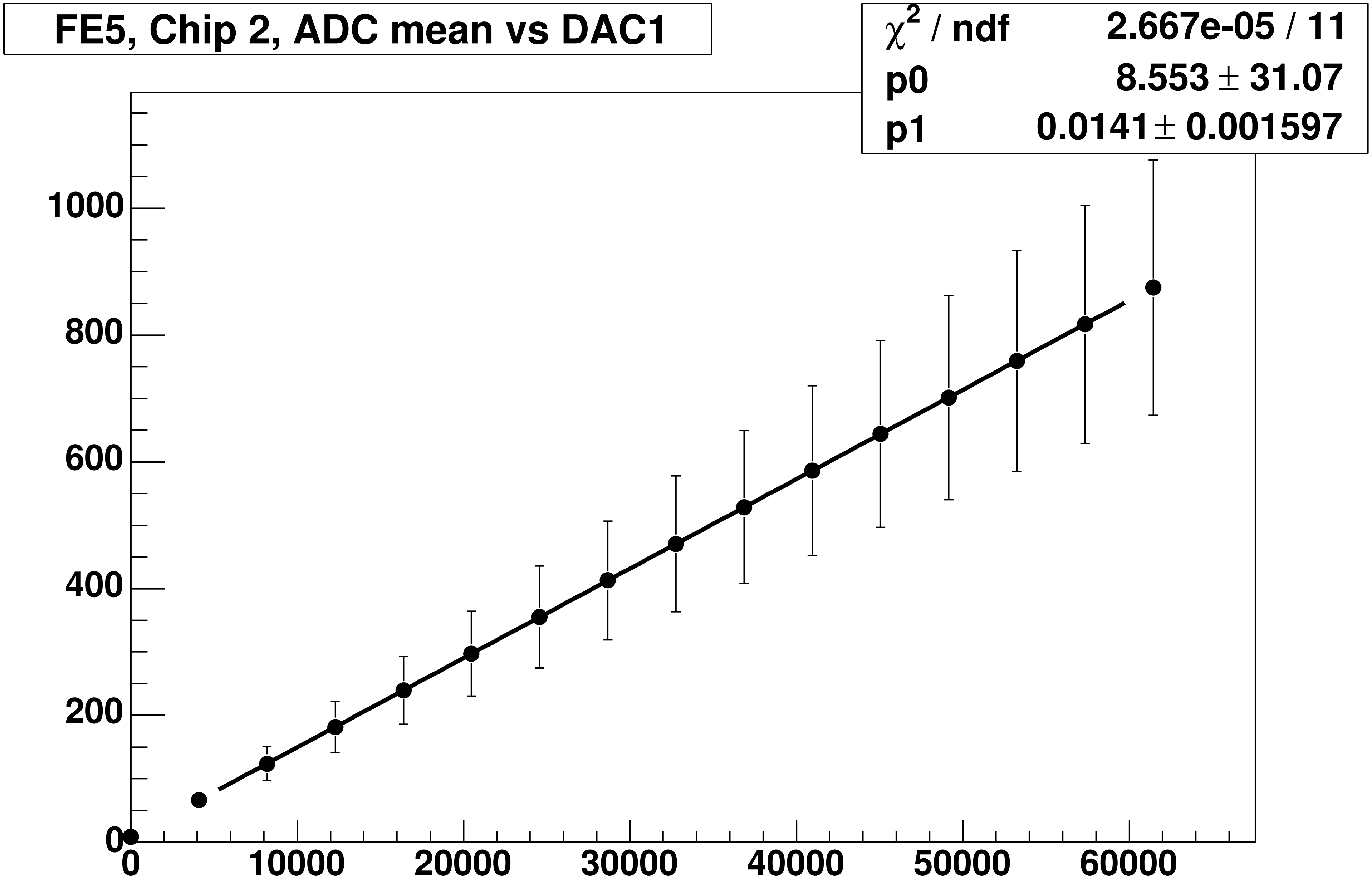

FE5, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

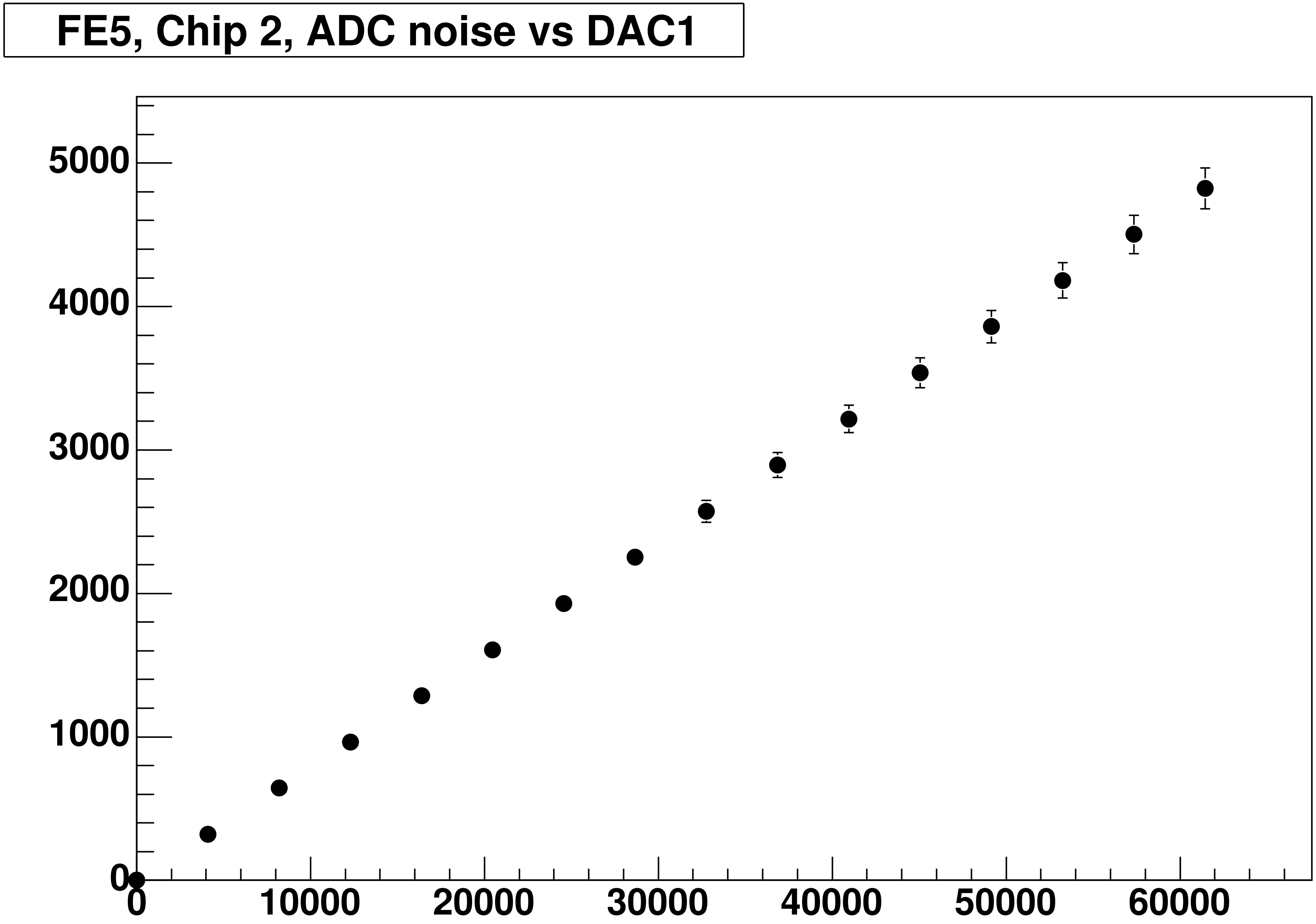

FE5, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001296 / 11
p0 8.116 ± 31.07
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

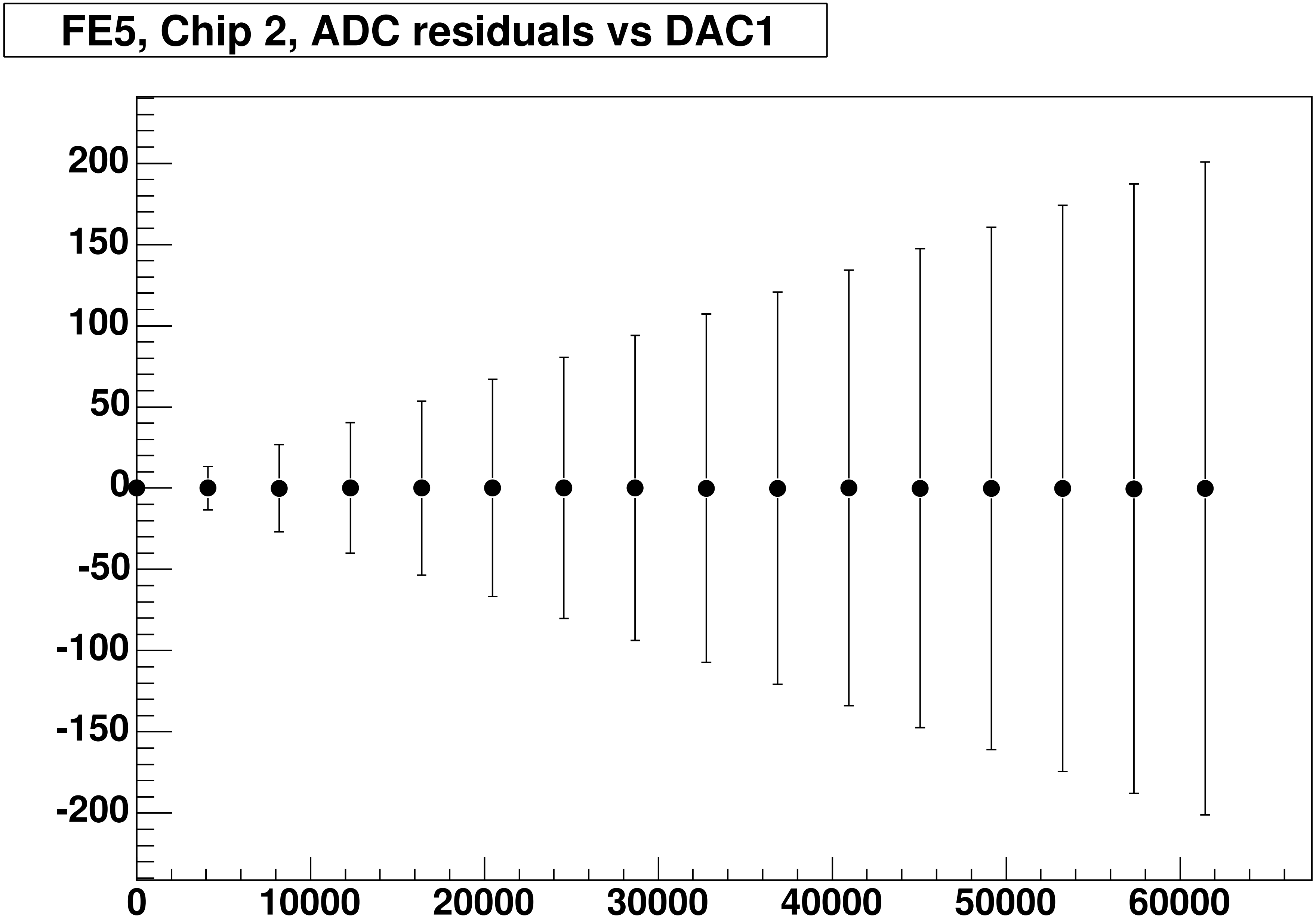

FE5, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



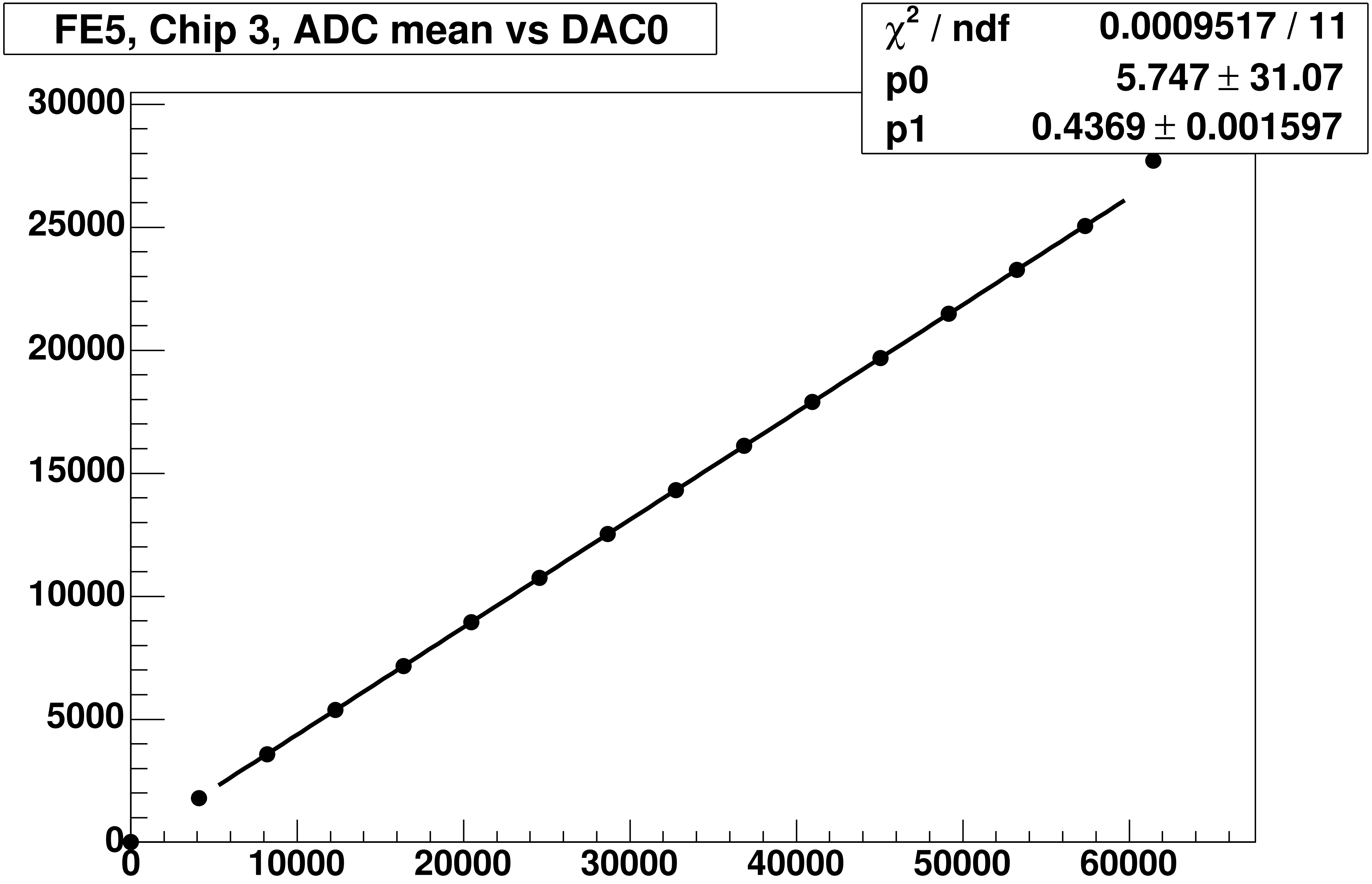
FE5, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.667e-05 / 11
p0 8.553 ± 31.07
p1 0.0141 ± 0.001597
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

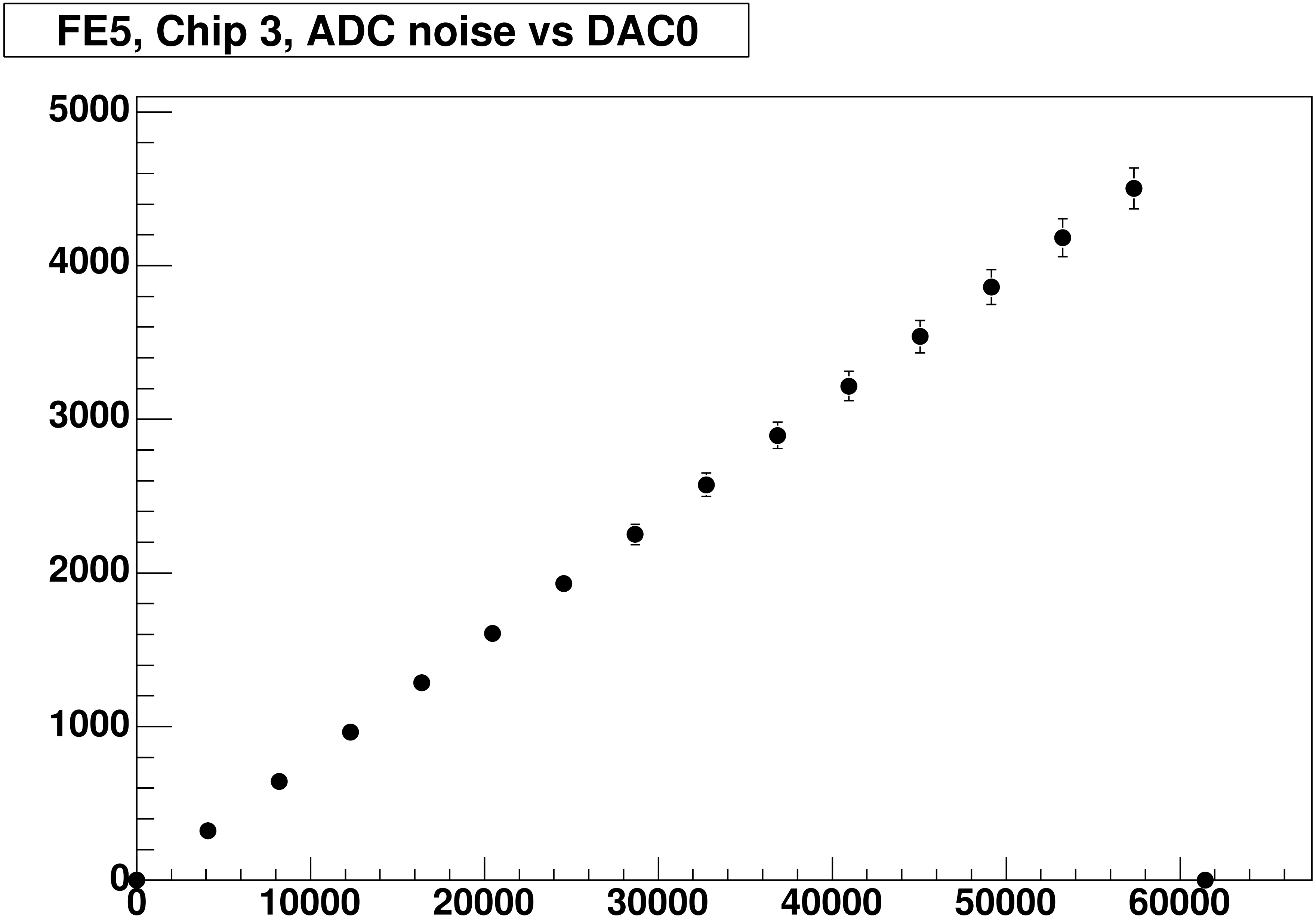

FE5, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



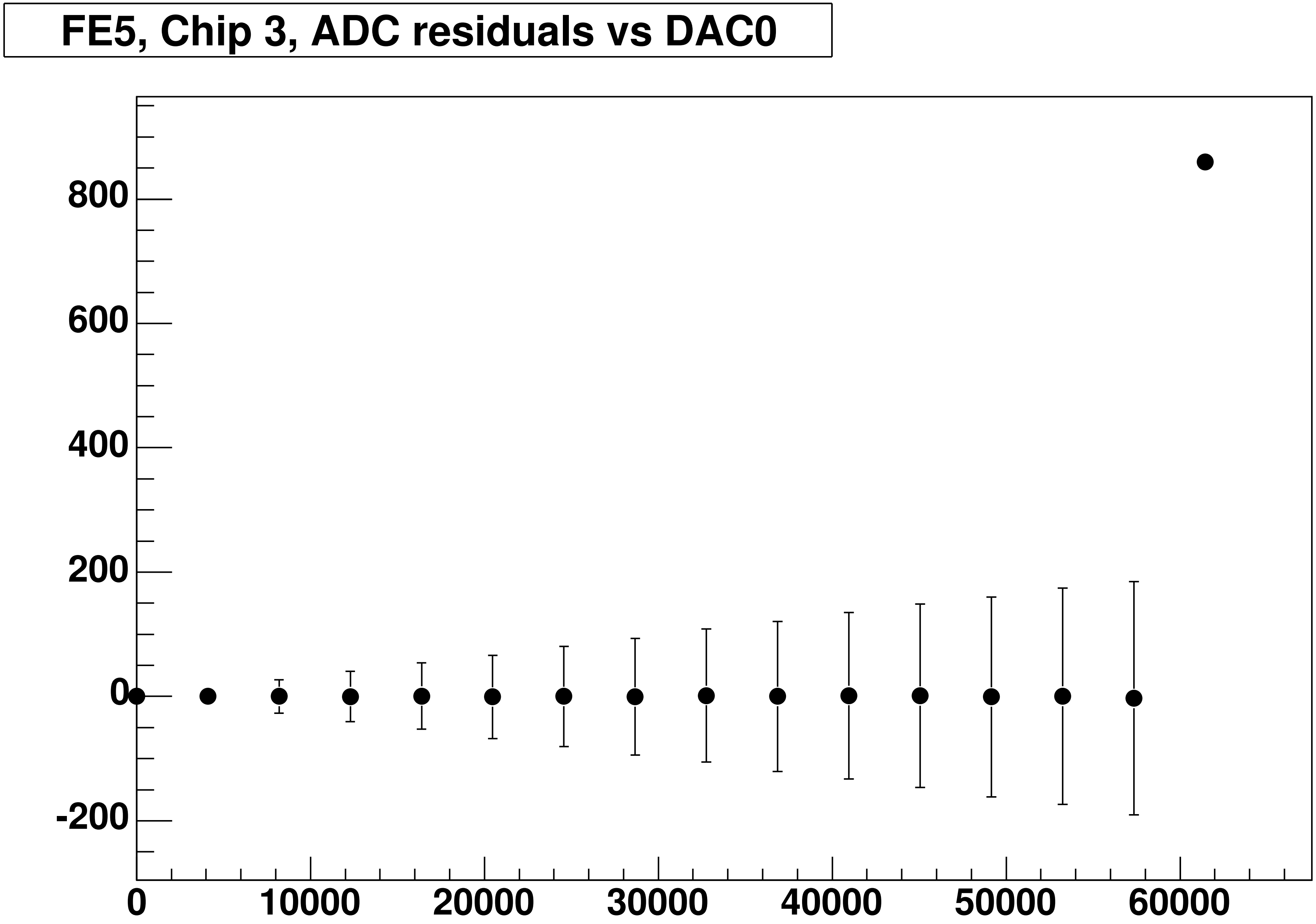
FE5, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

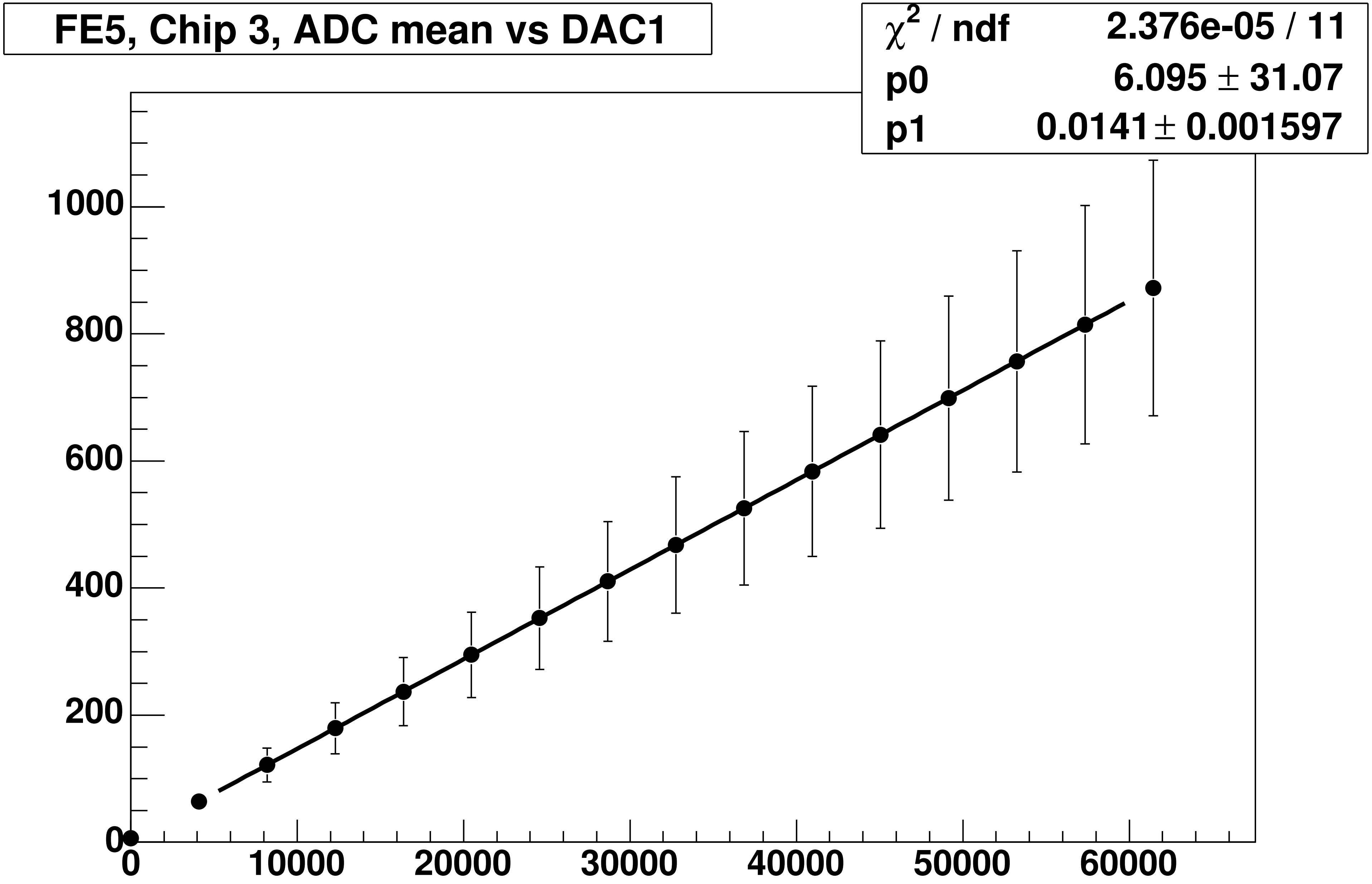


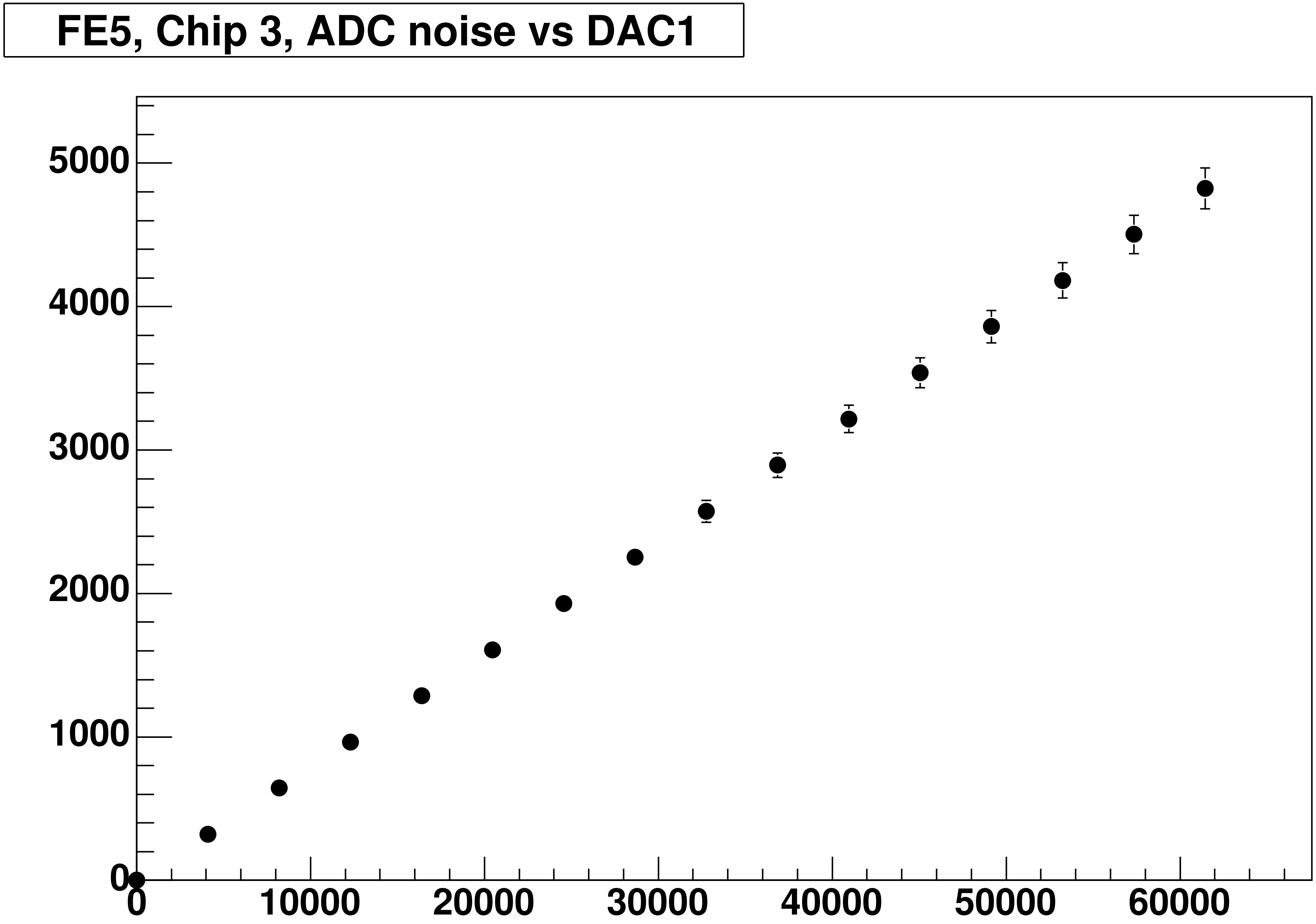
FE5, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.0009517 / 11
p0 5.747 ± 31.07
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



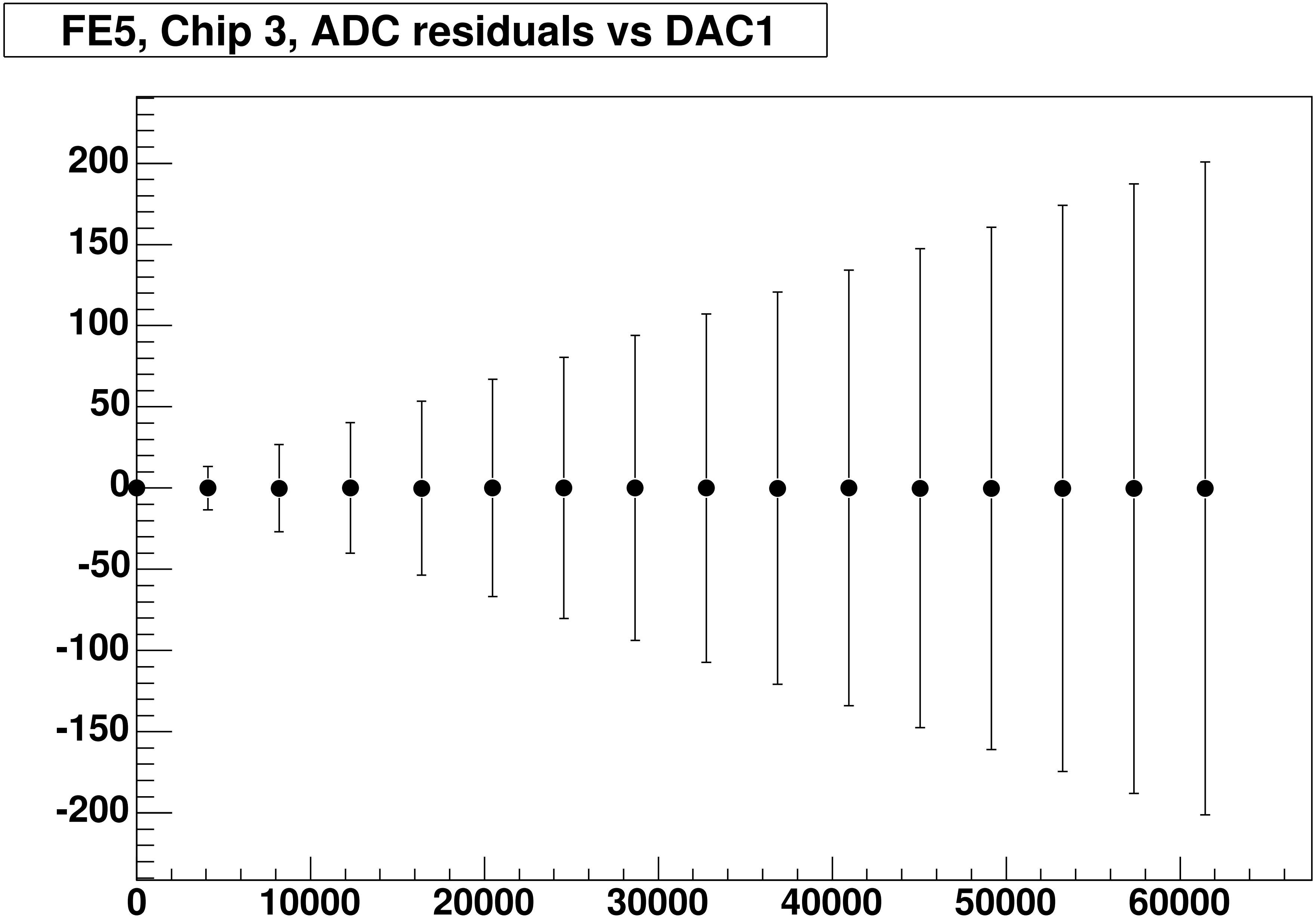
FE5, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

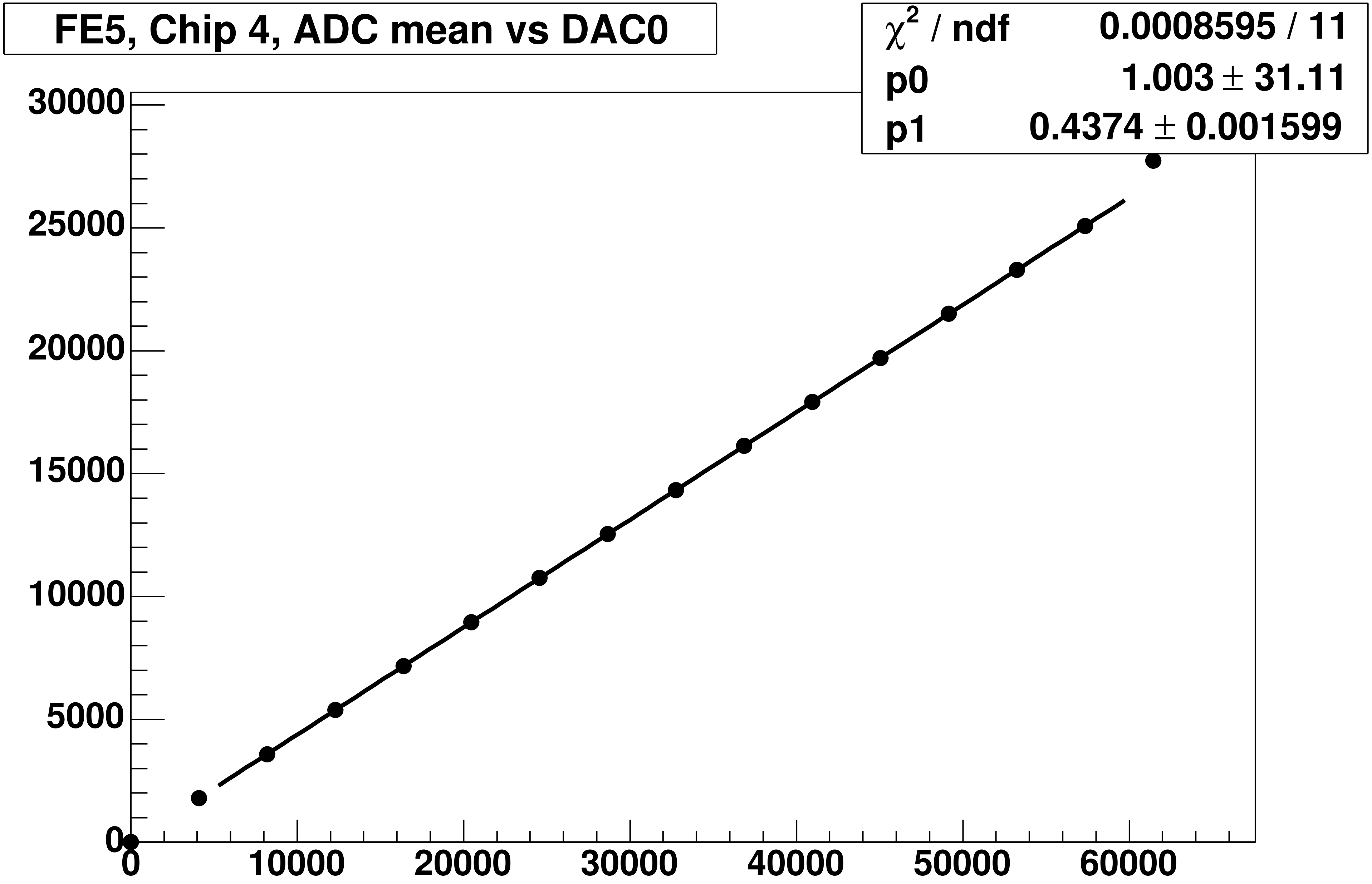

FE5, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 3, ADC mean vs DAC1
χ^2 / ndf 2.376e-05 / 11
p0 6.095 ± 31.07
p1 0.0141 ± 0.001597
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

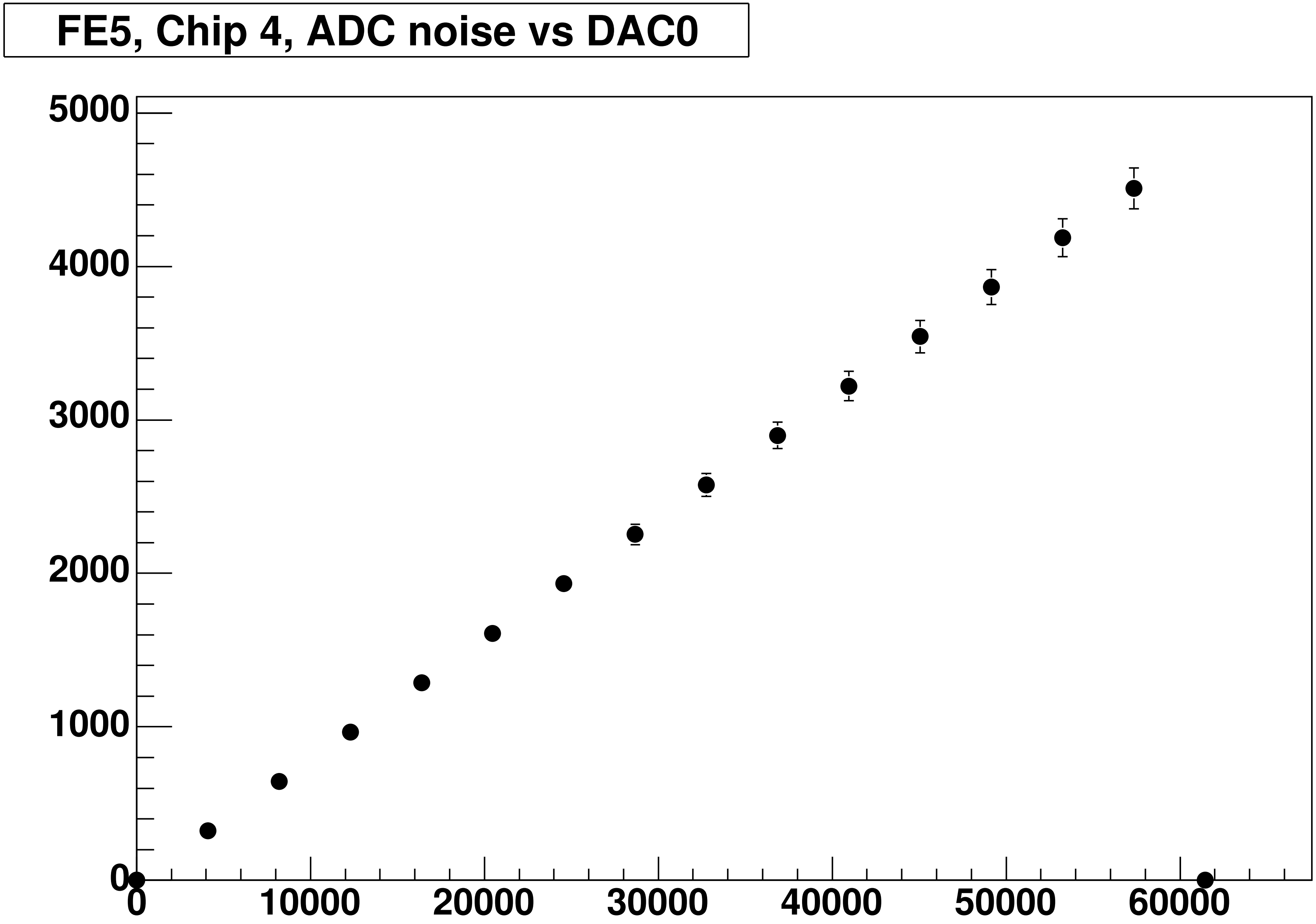


FE5, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

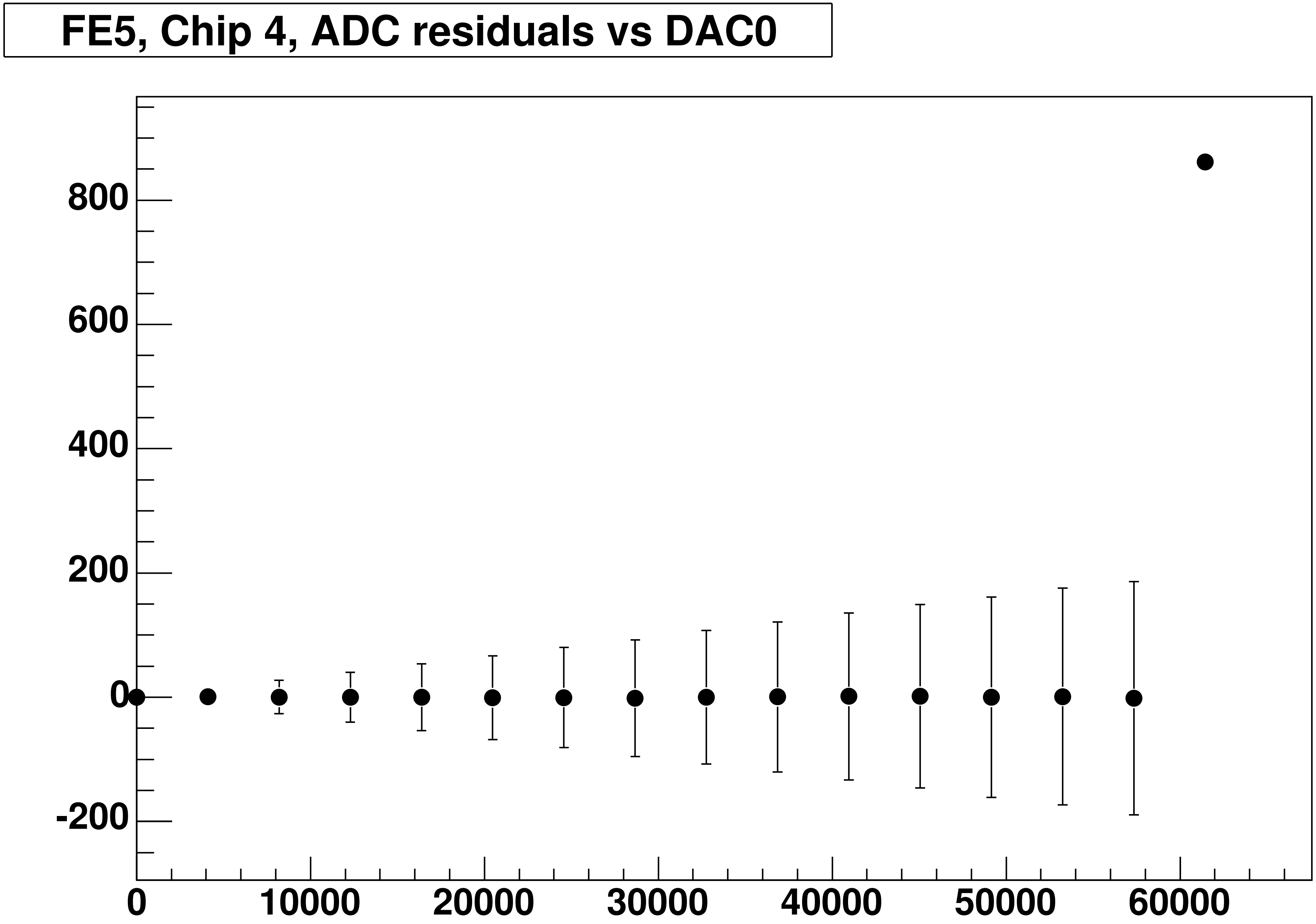

FE5, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



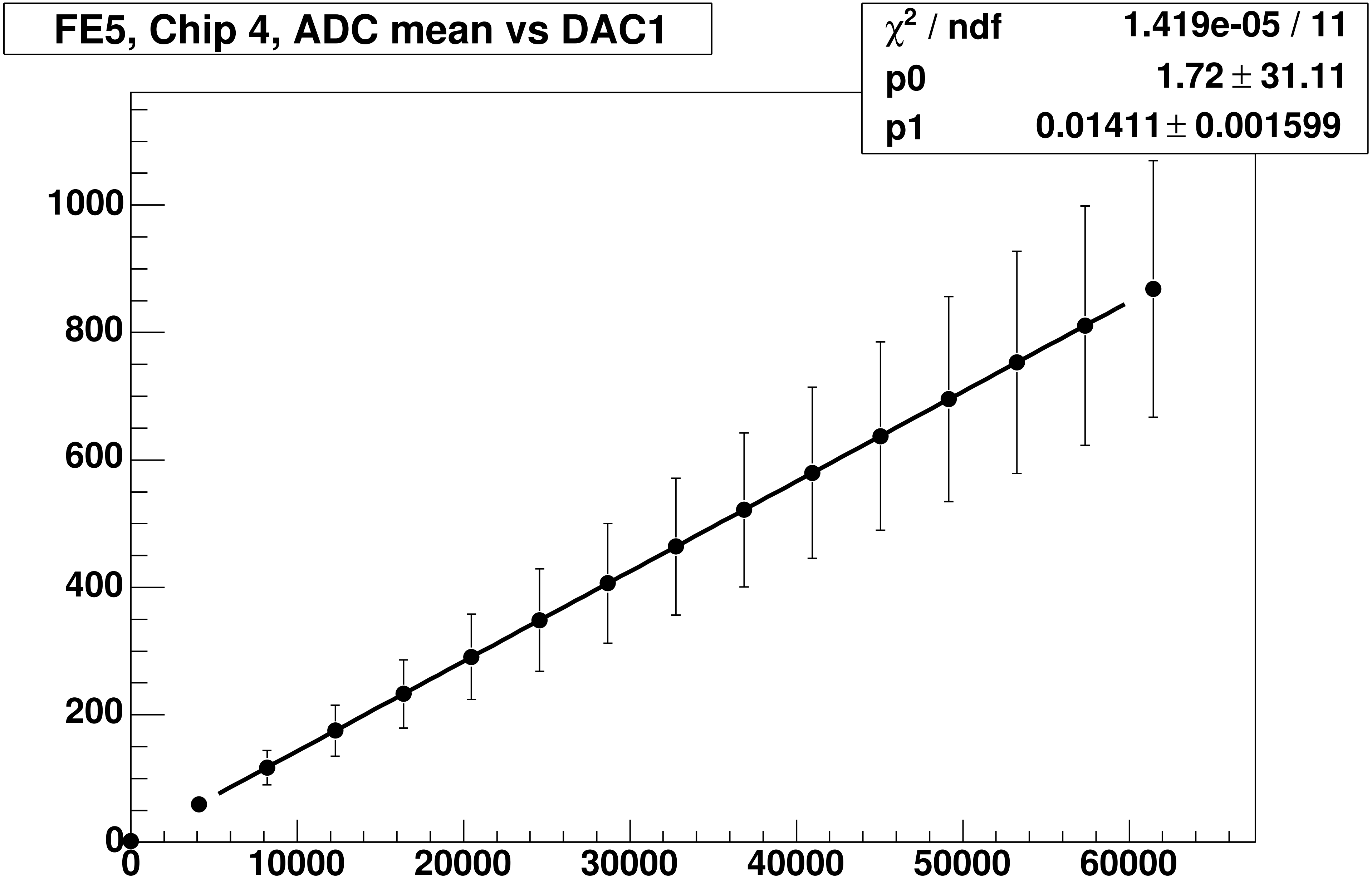
FE5, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.0008595 / 11
p0 1.003 ± 31.11
p1 0.4374 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



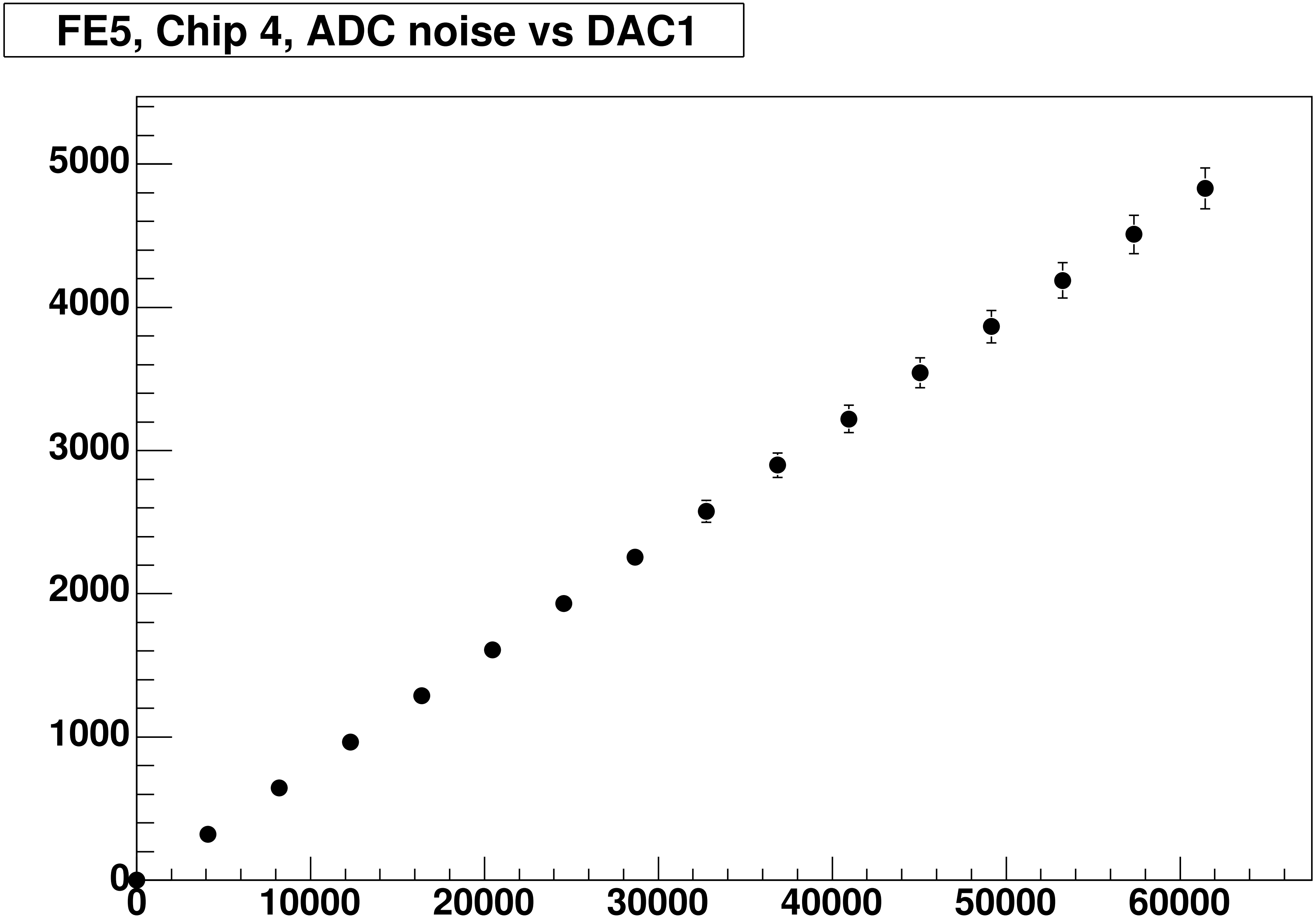
FE5, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

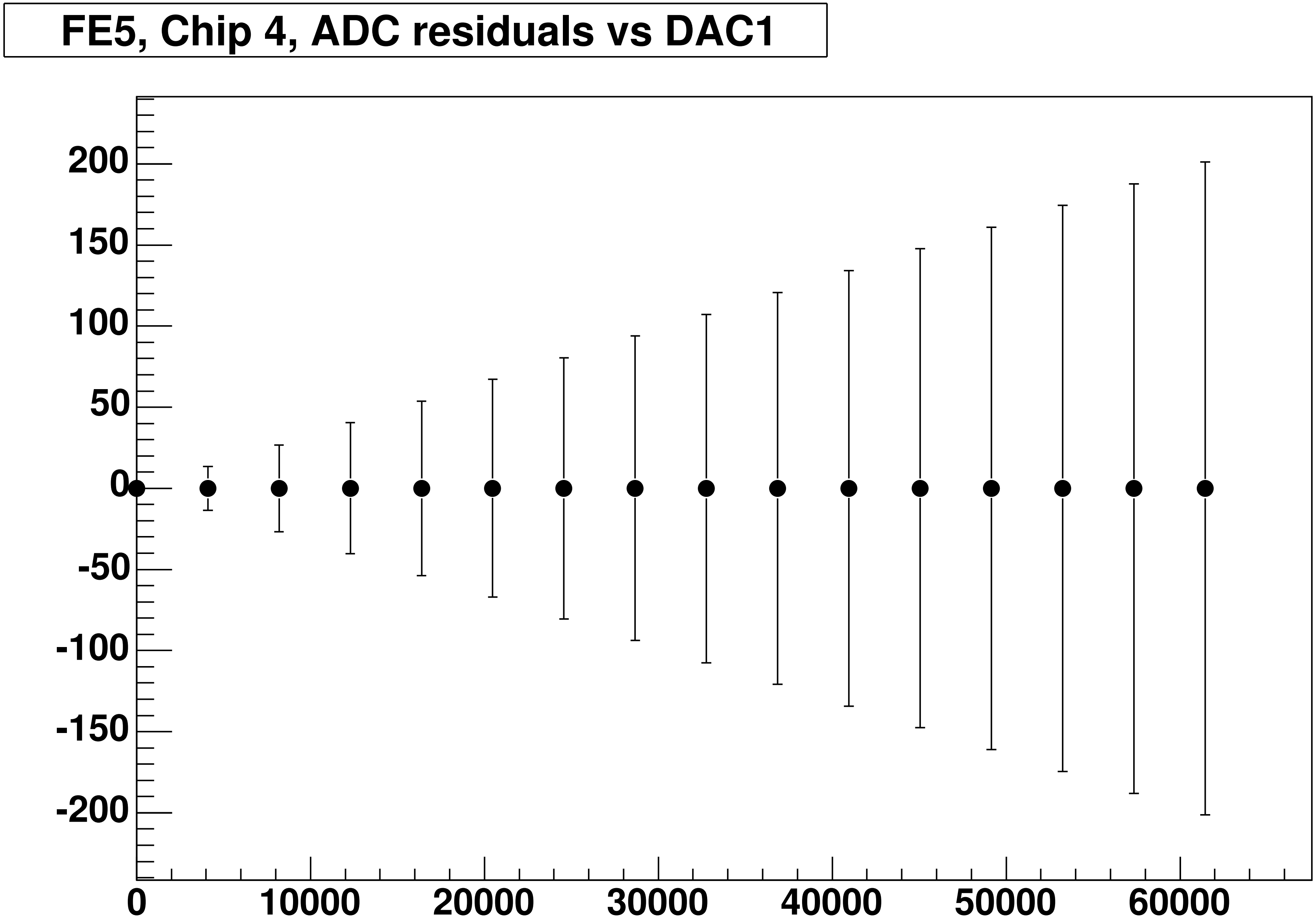


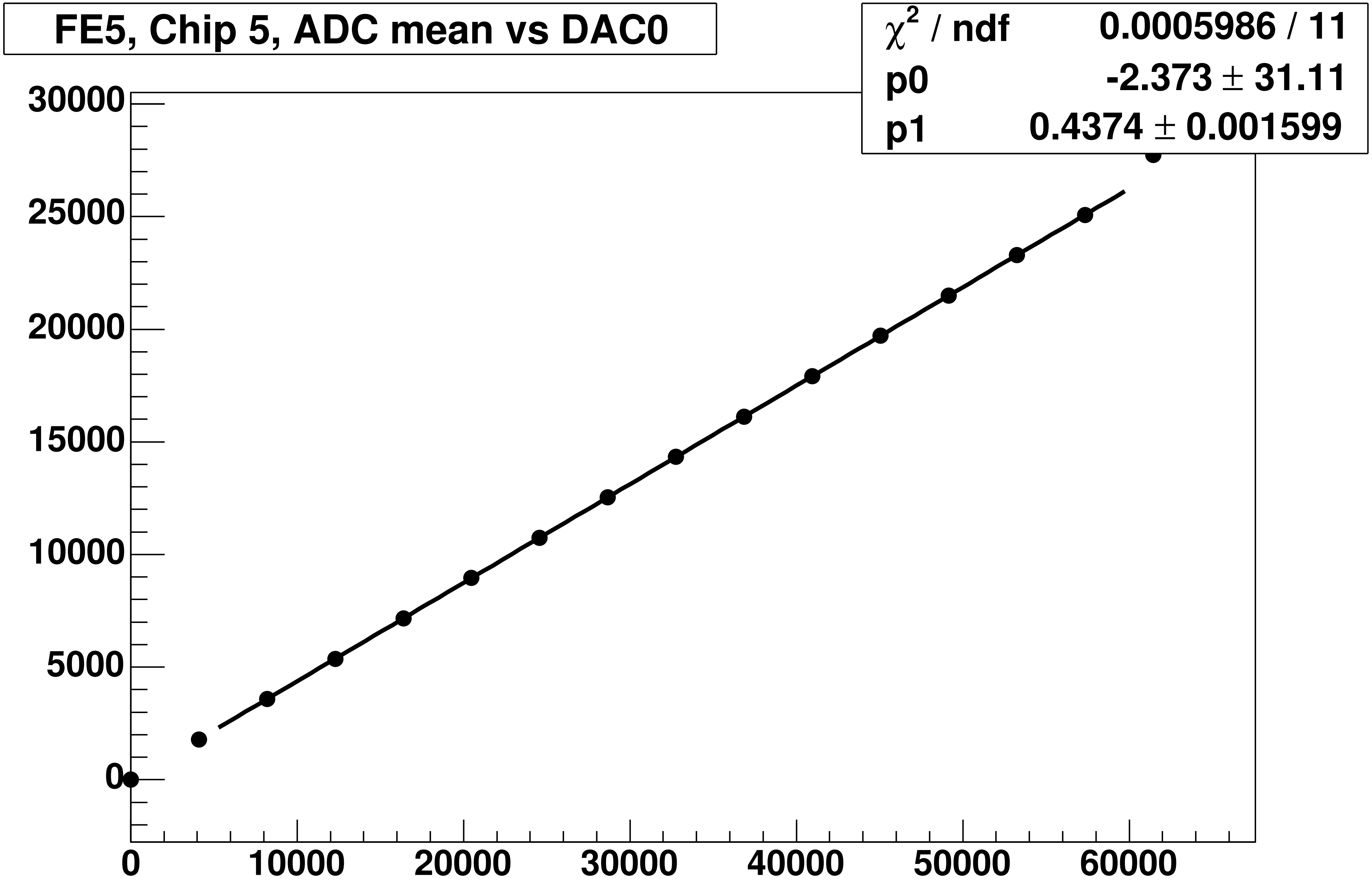
FE5, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



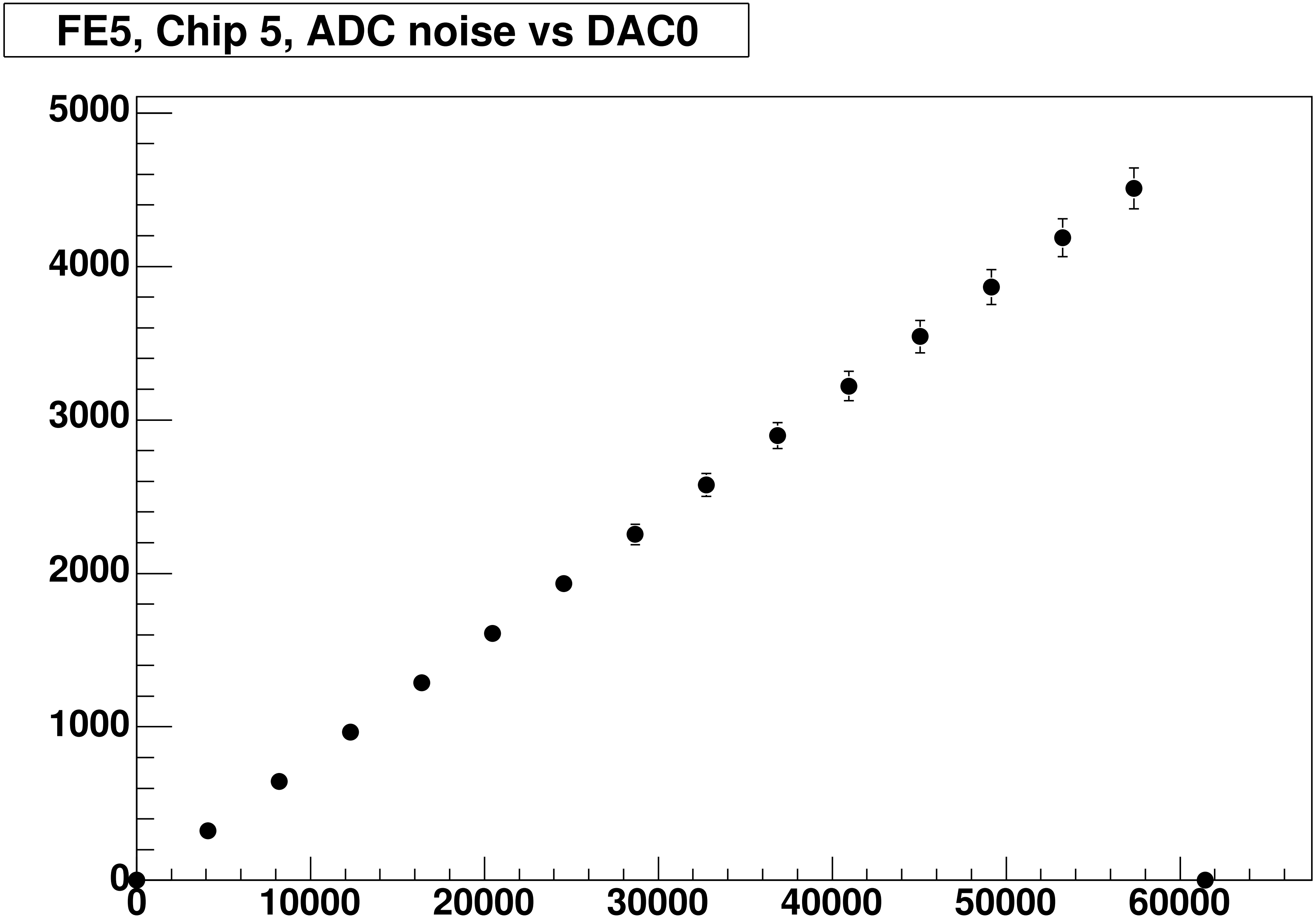
FE5, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.419e-05 / 11
p0 1.72 ± 31.11
p1 0.01411 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

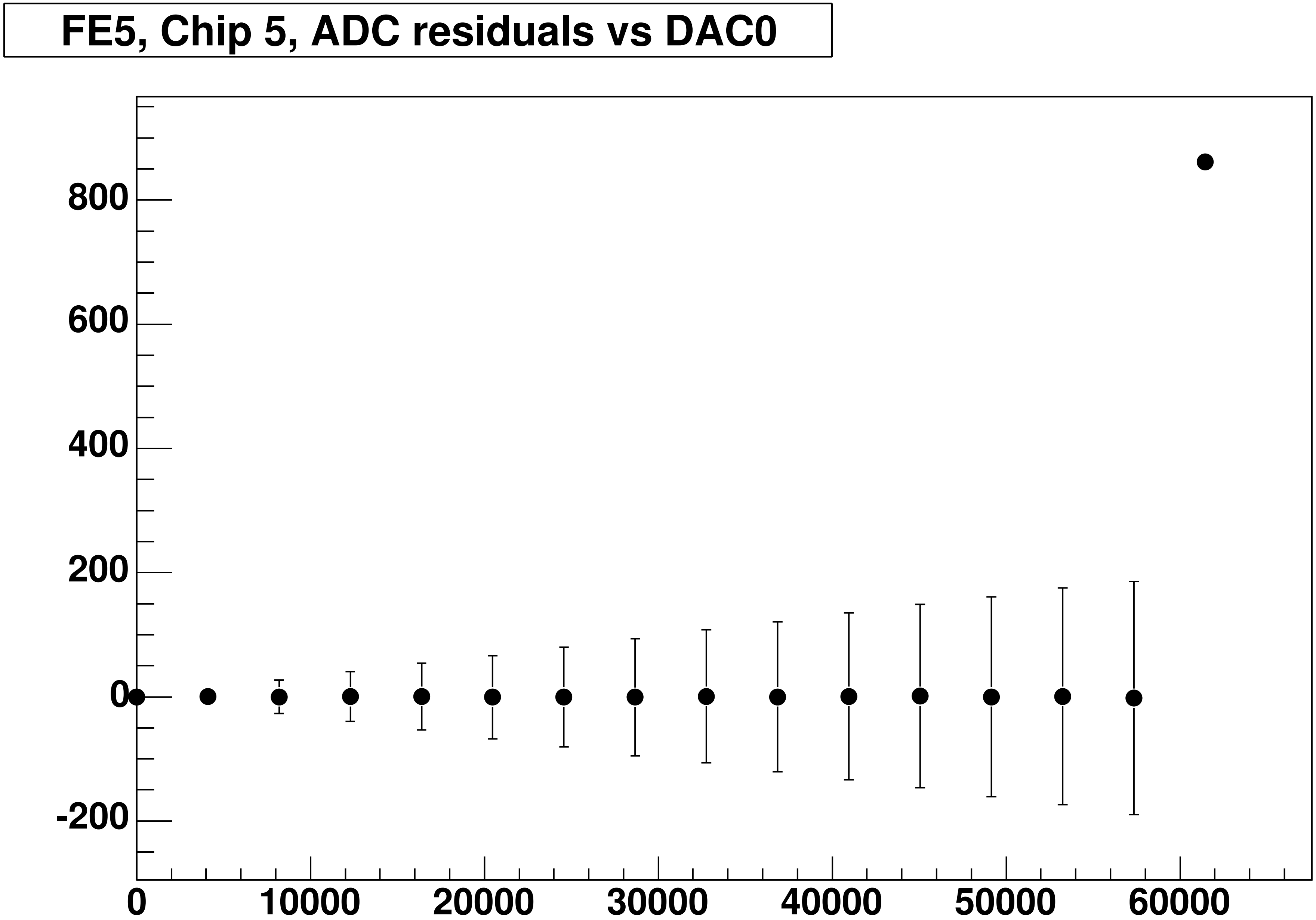

FE5, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



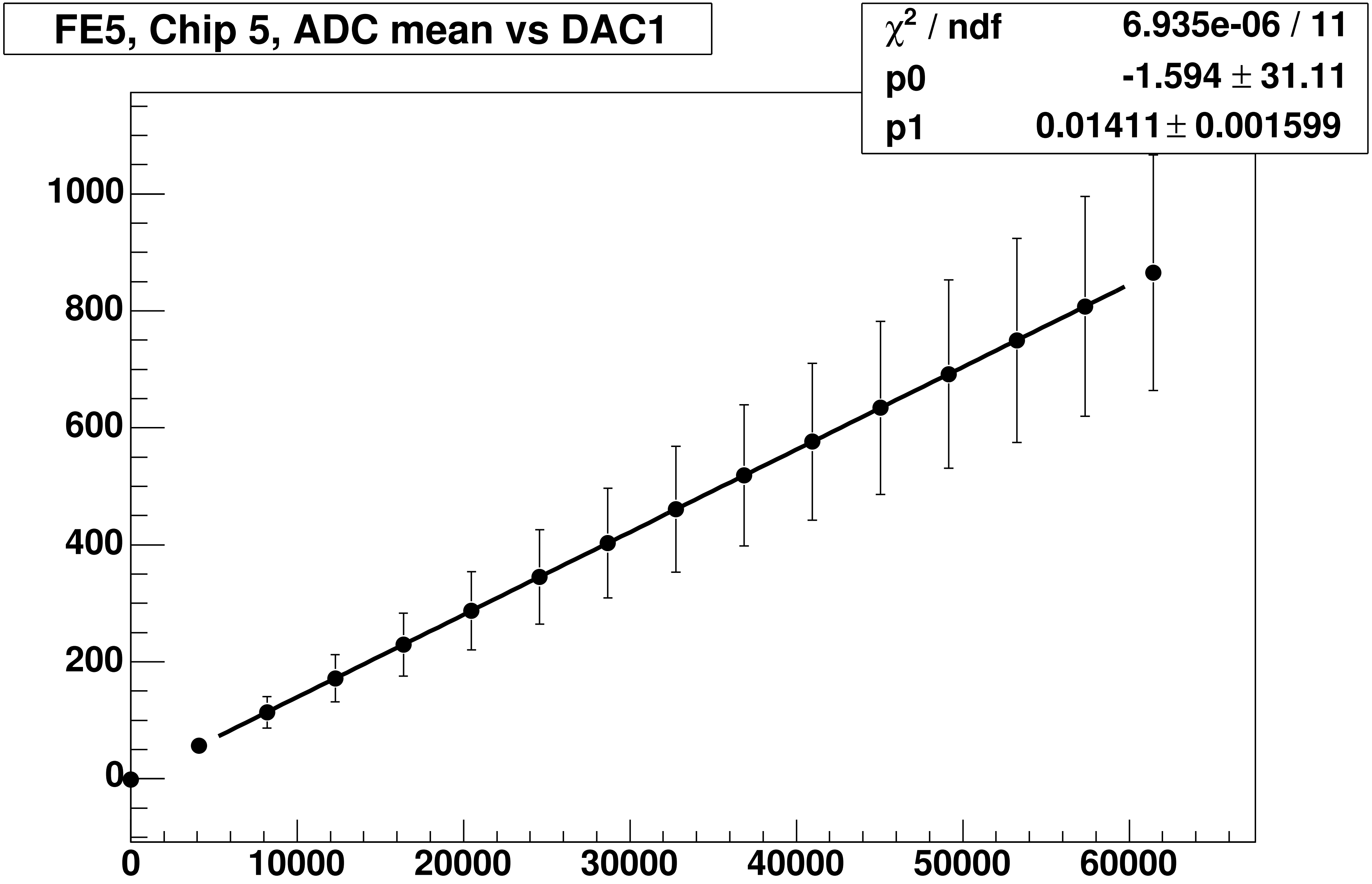
FE5, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0005986 / 11
p0 -2.373 ± 31.11
p1 0.4374 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



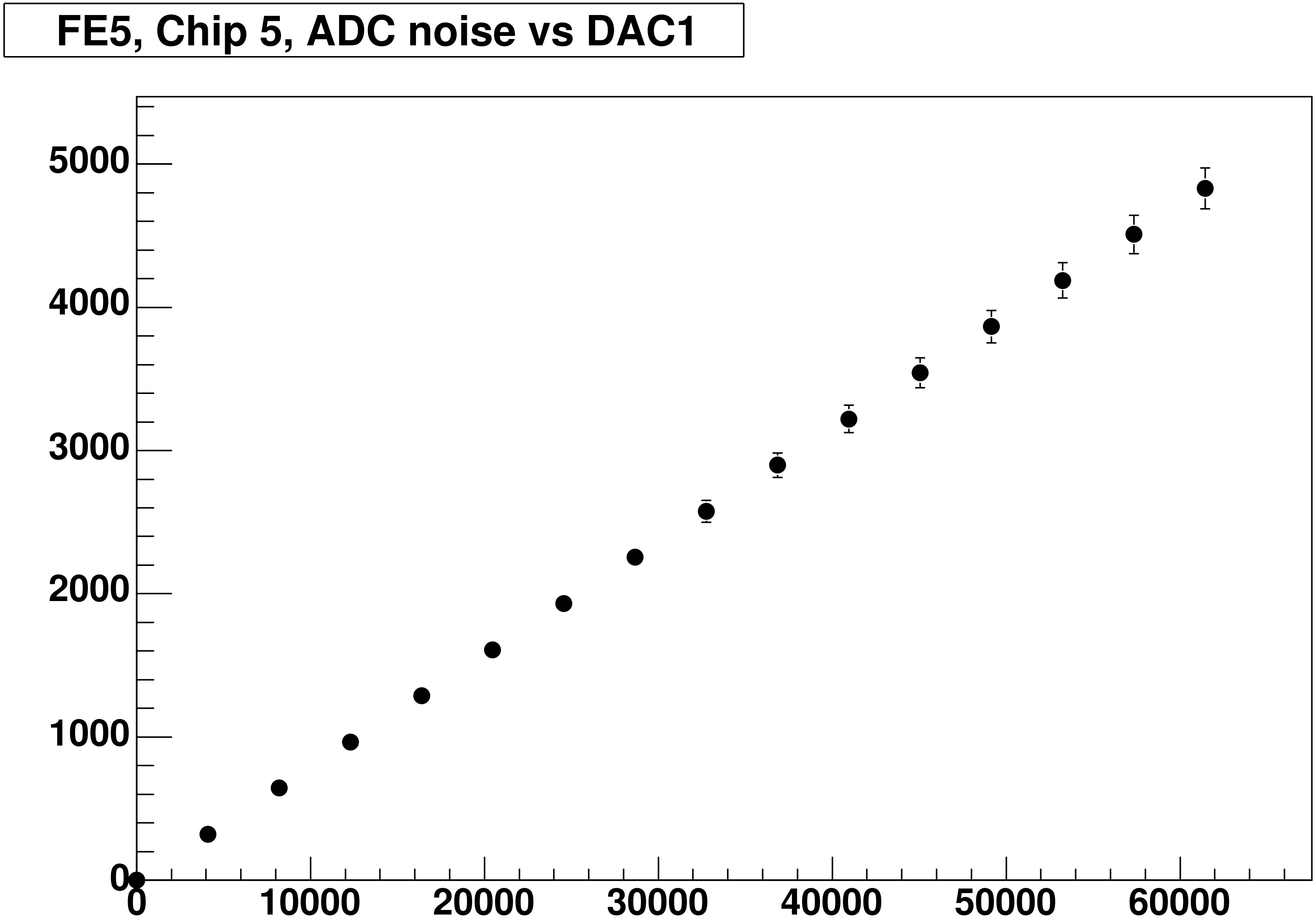
FE5, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

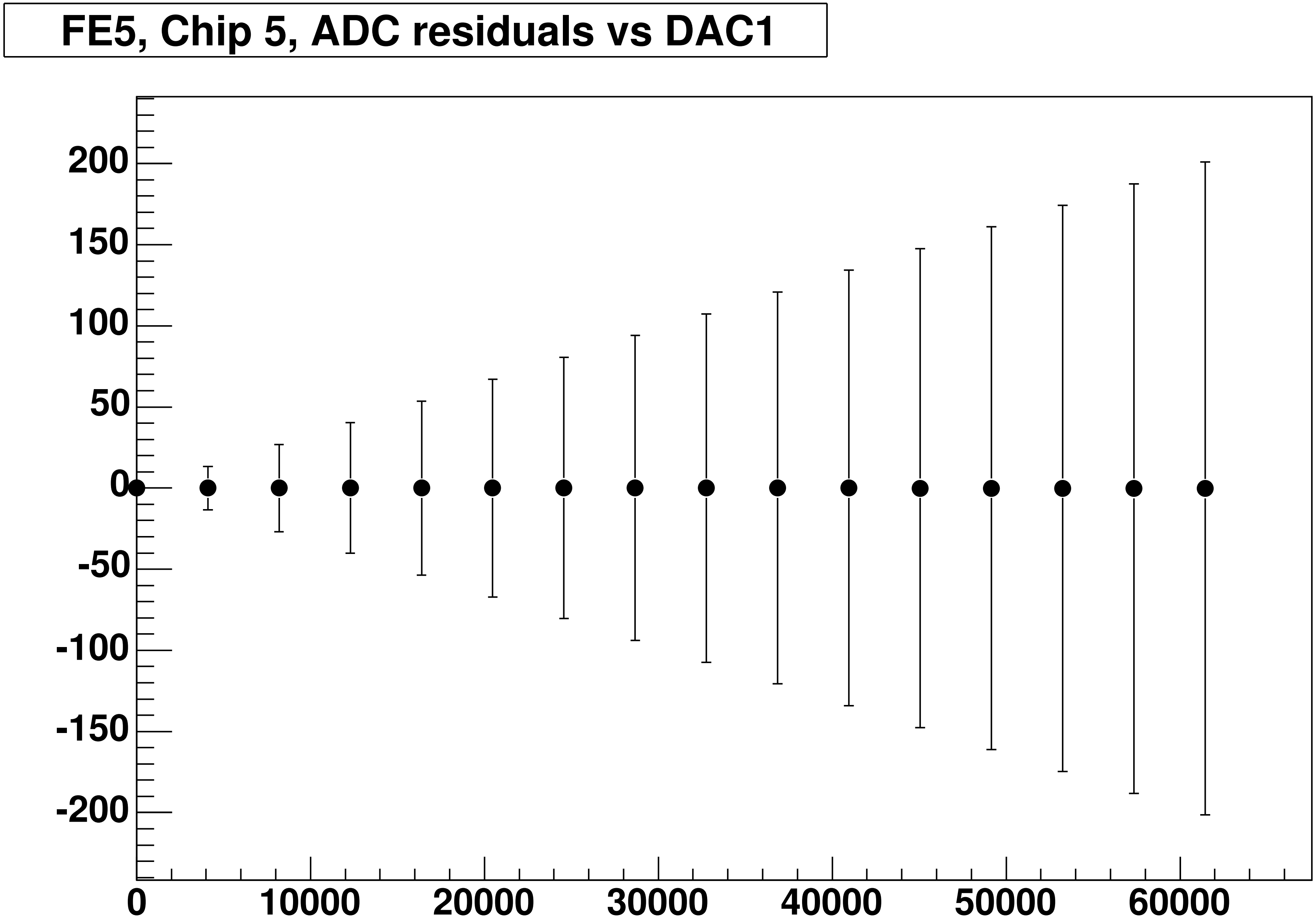


FE5, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

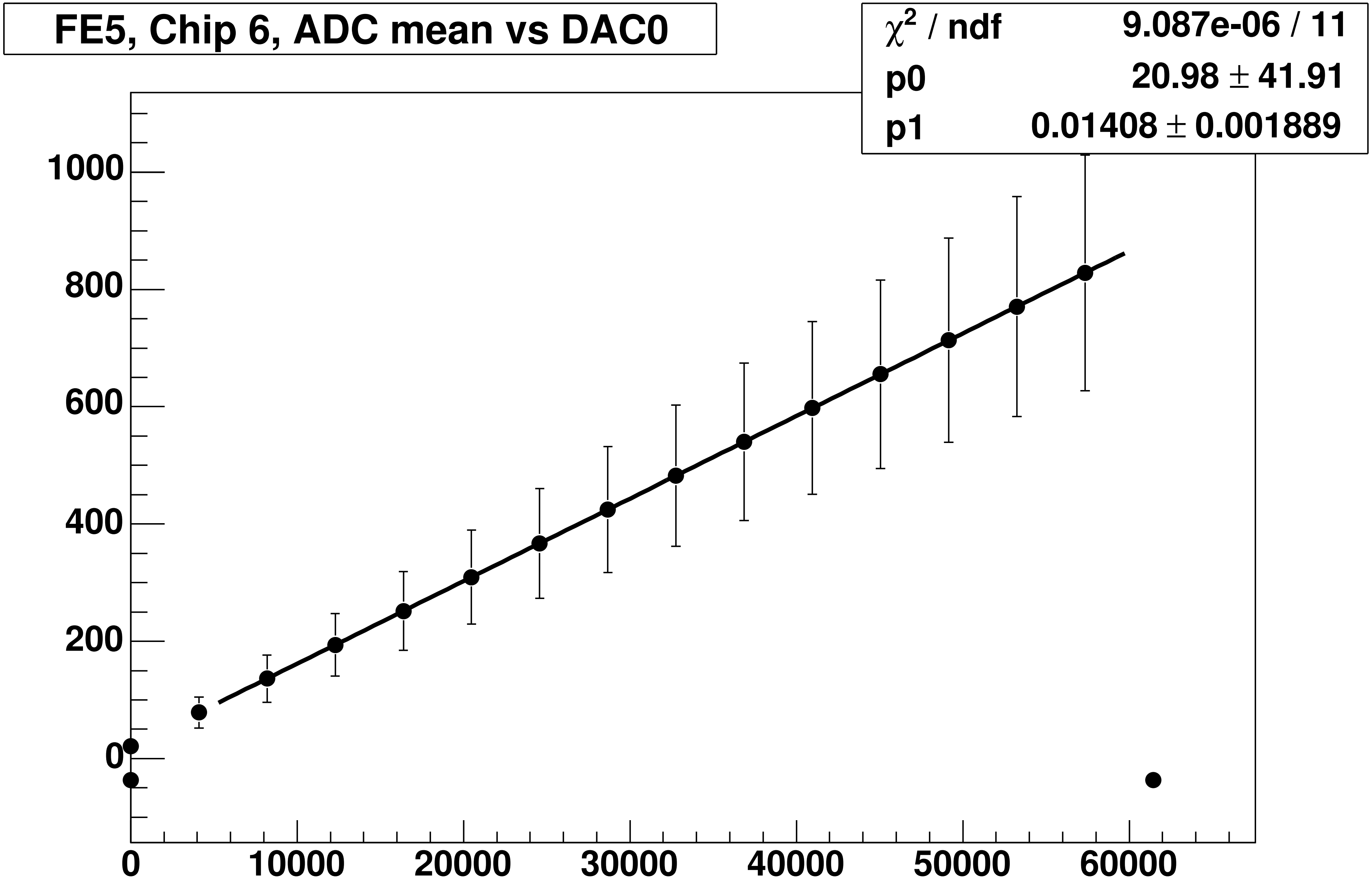


FE5, Chip 5, ADC mean vs DAC1
χ2 / ndf 6.935e-06 / 11
p0 -1.594 ± 31.11
p1 0.01411 ± 0.001599
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

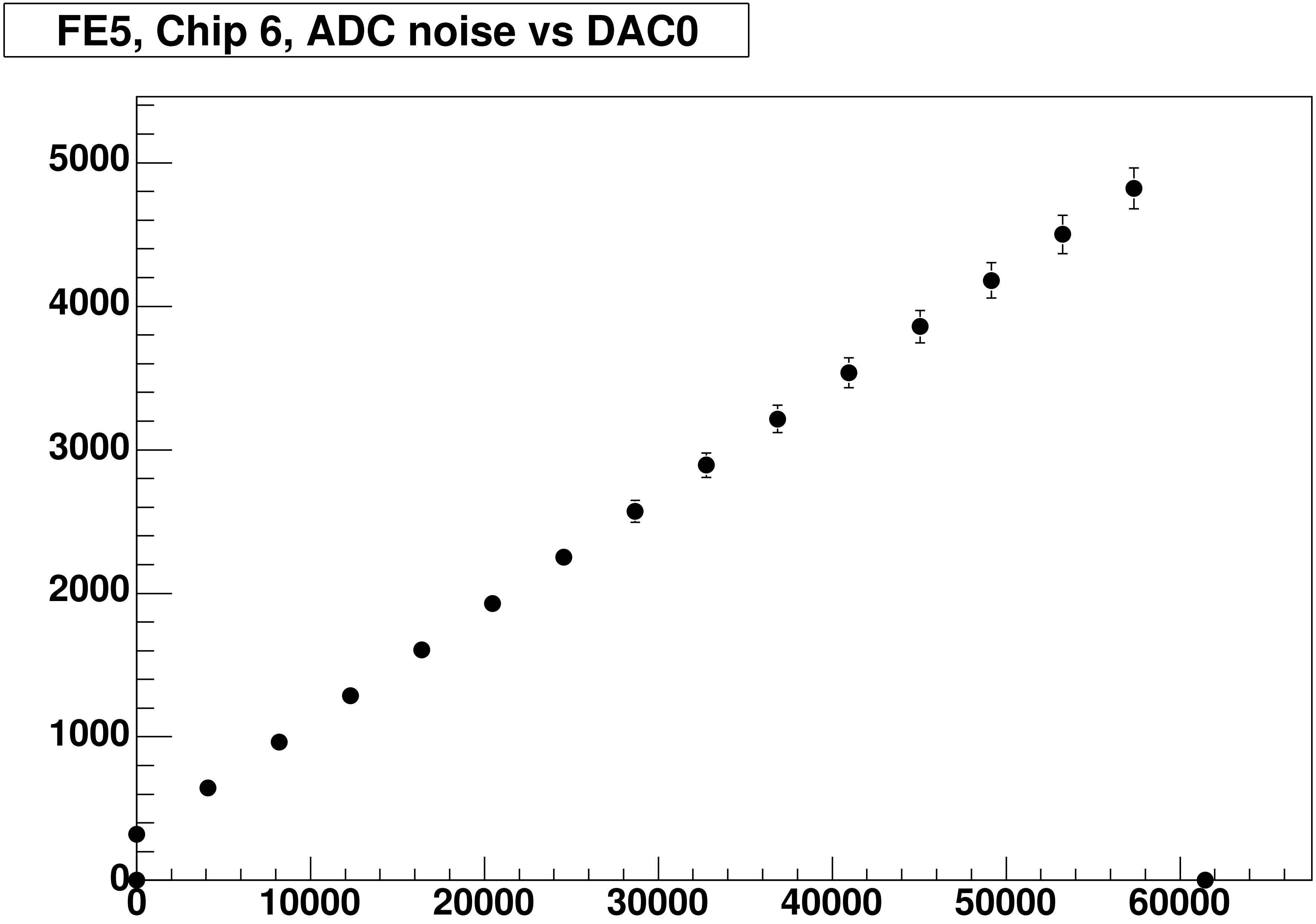

FE5, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

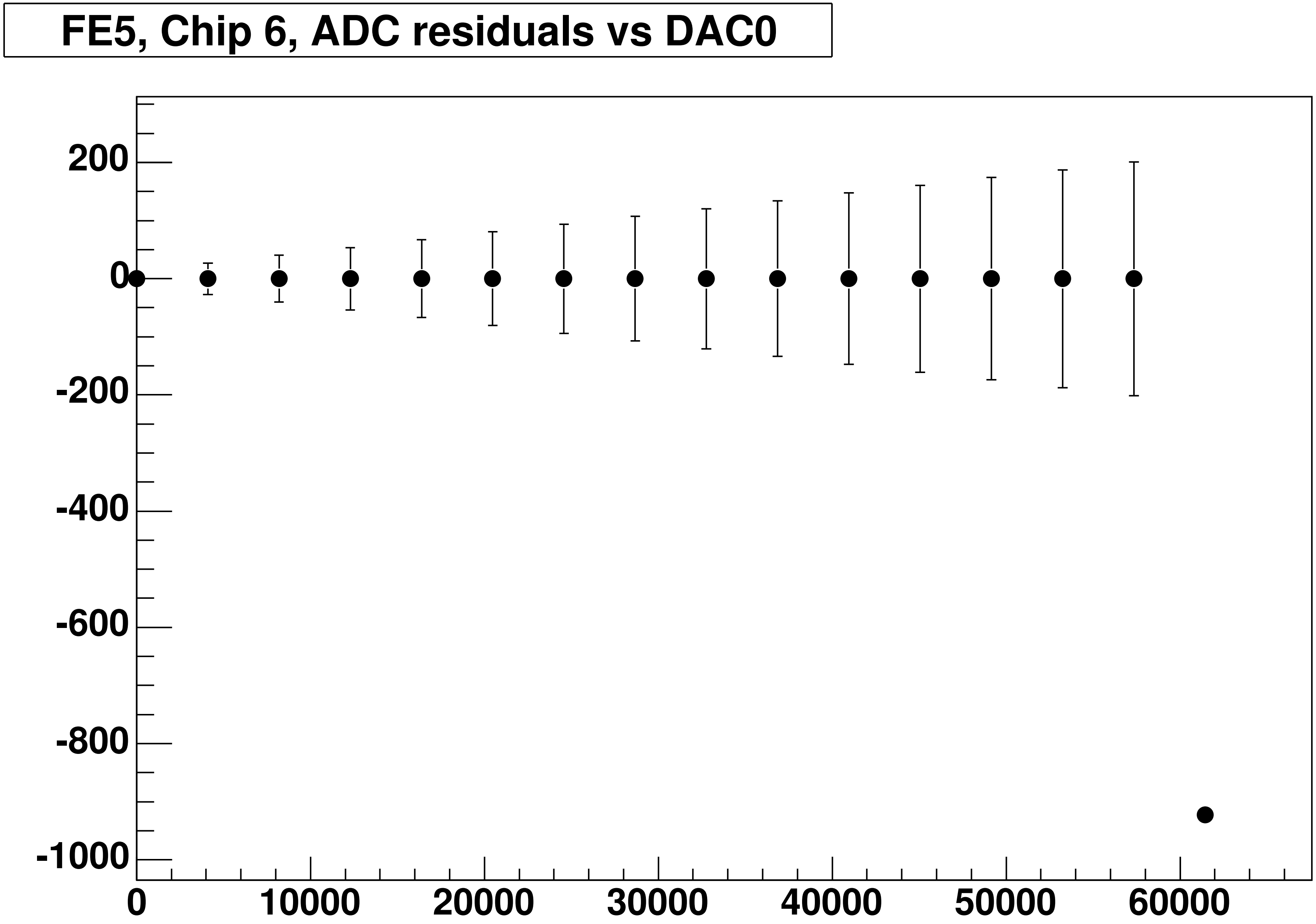


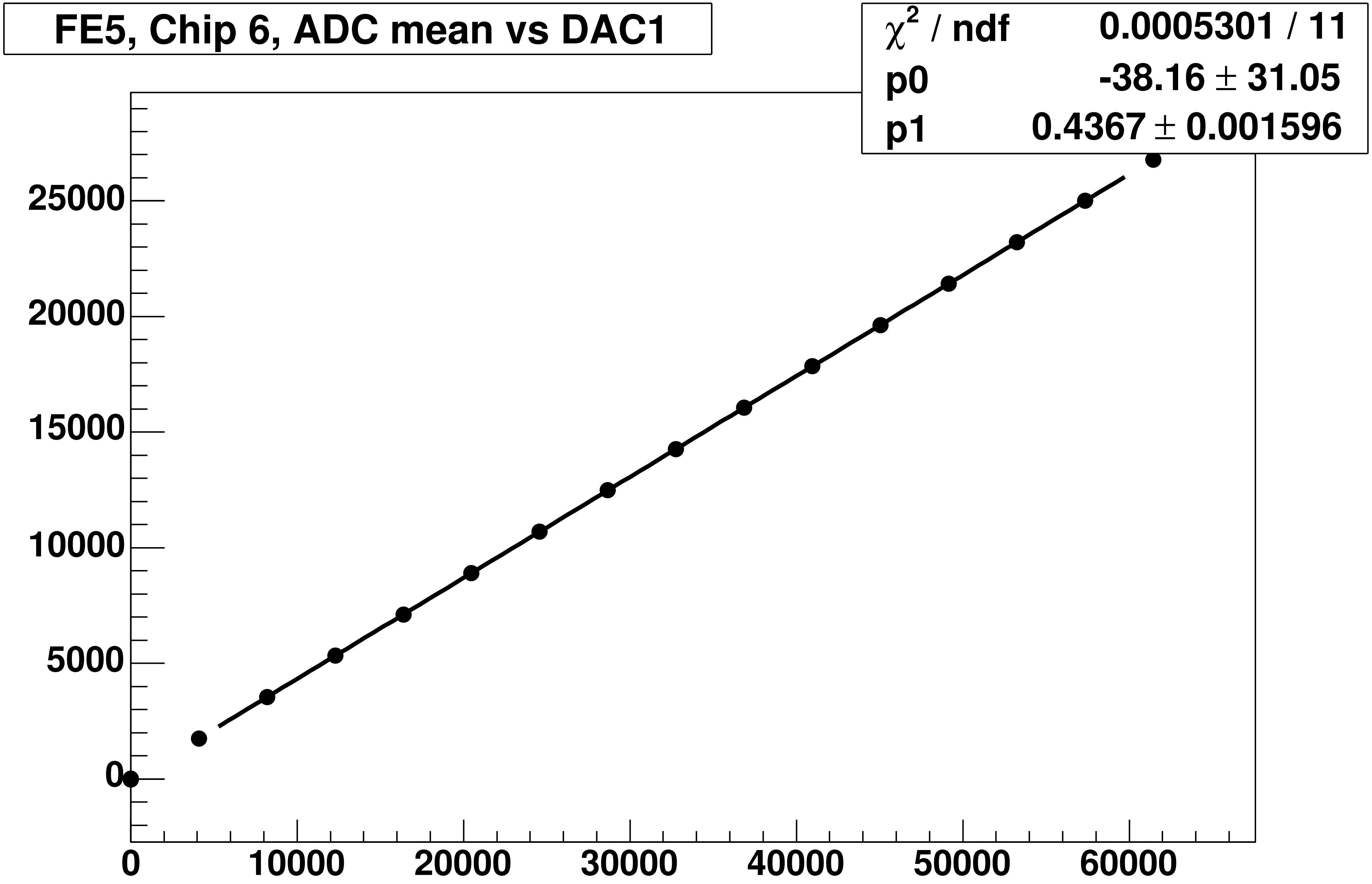
FE5, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



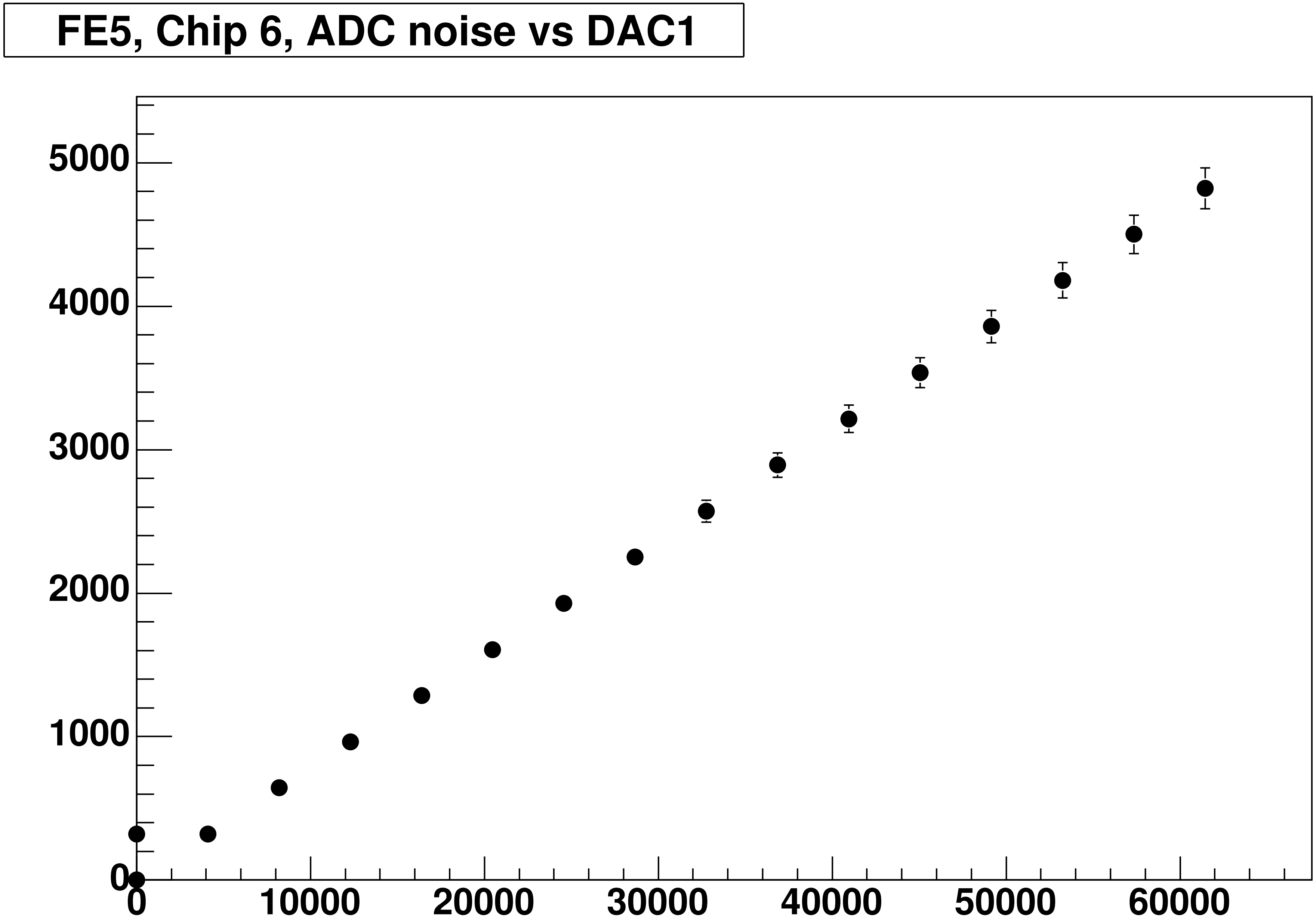
FE5, Chip 6, ADC mean vs DAC0
χ^2 / ndf 9.087e-06 / 11
p0 20.98 ± 41.91
p1 0.01408 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

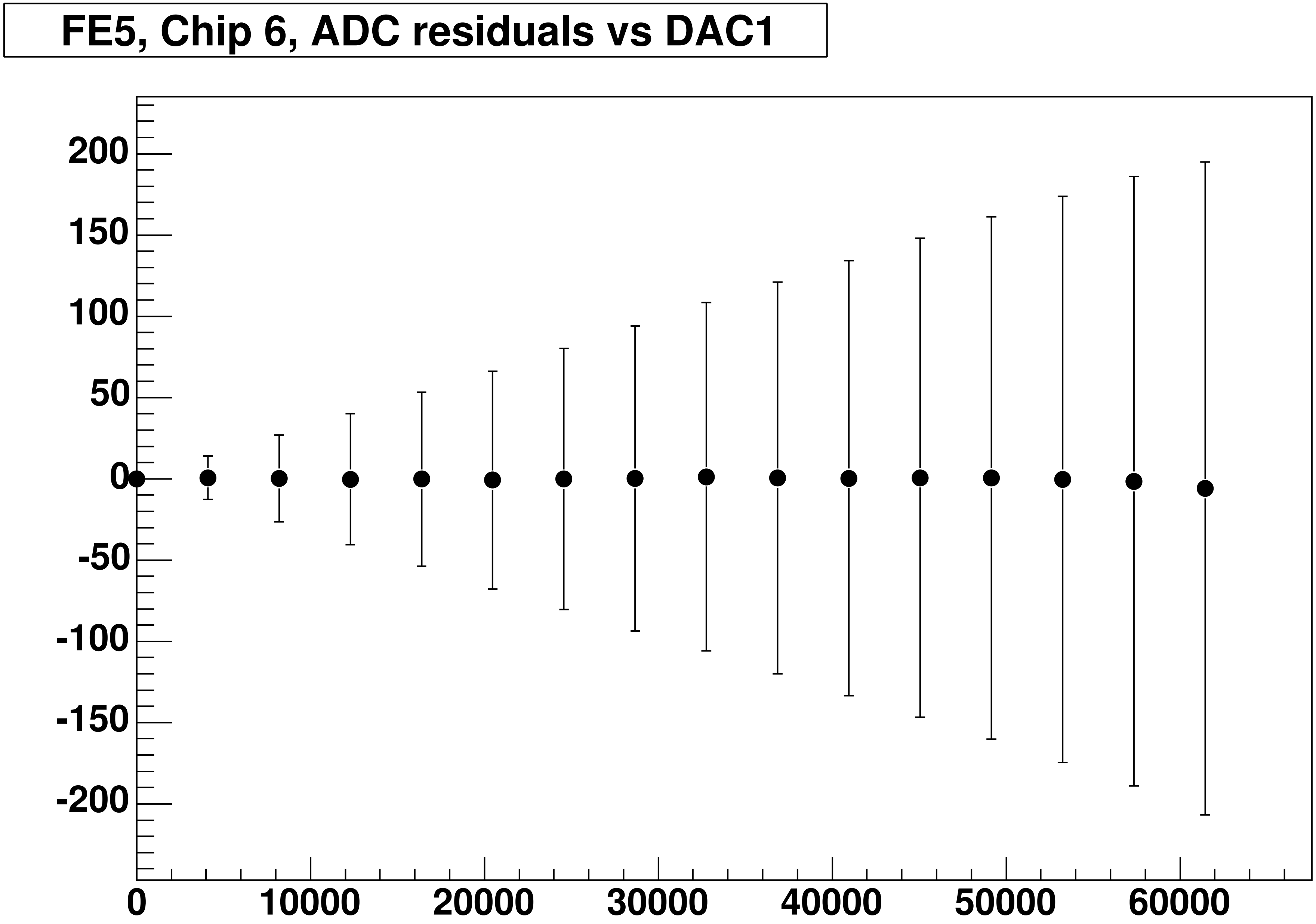

FE5, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

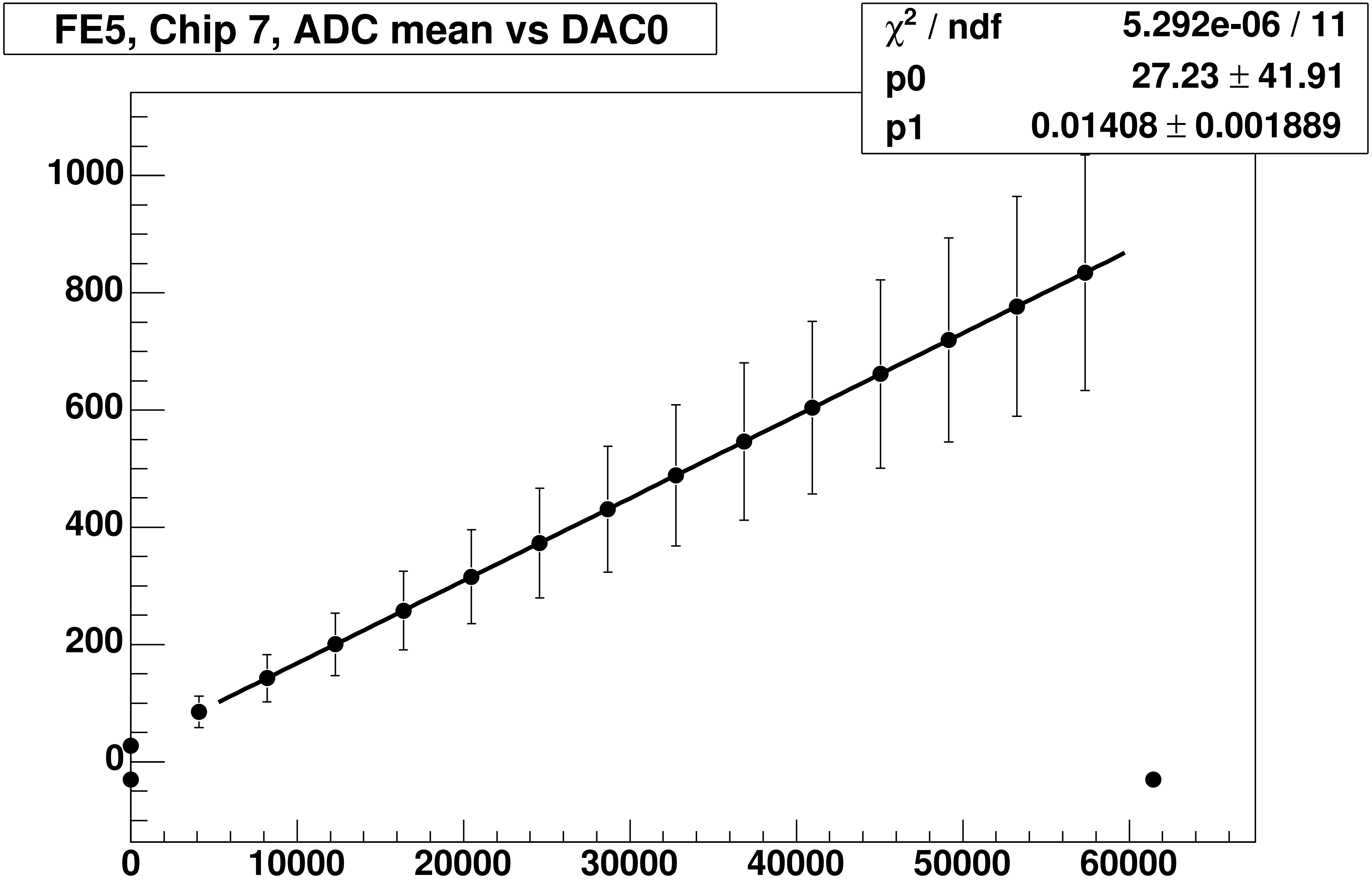

FE5, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



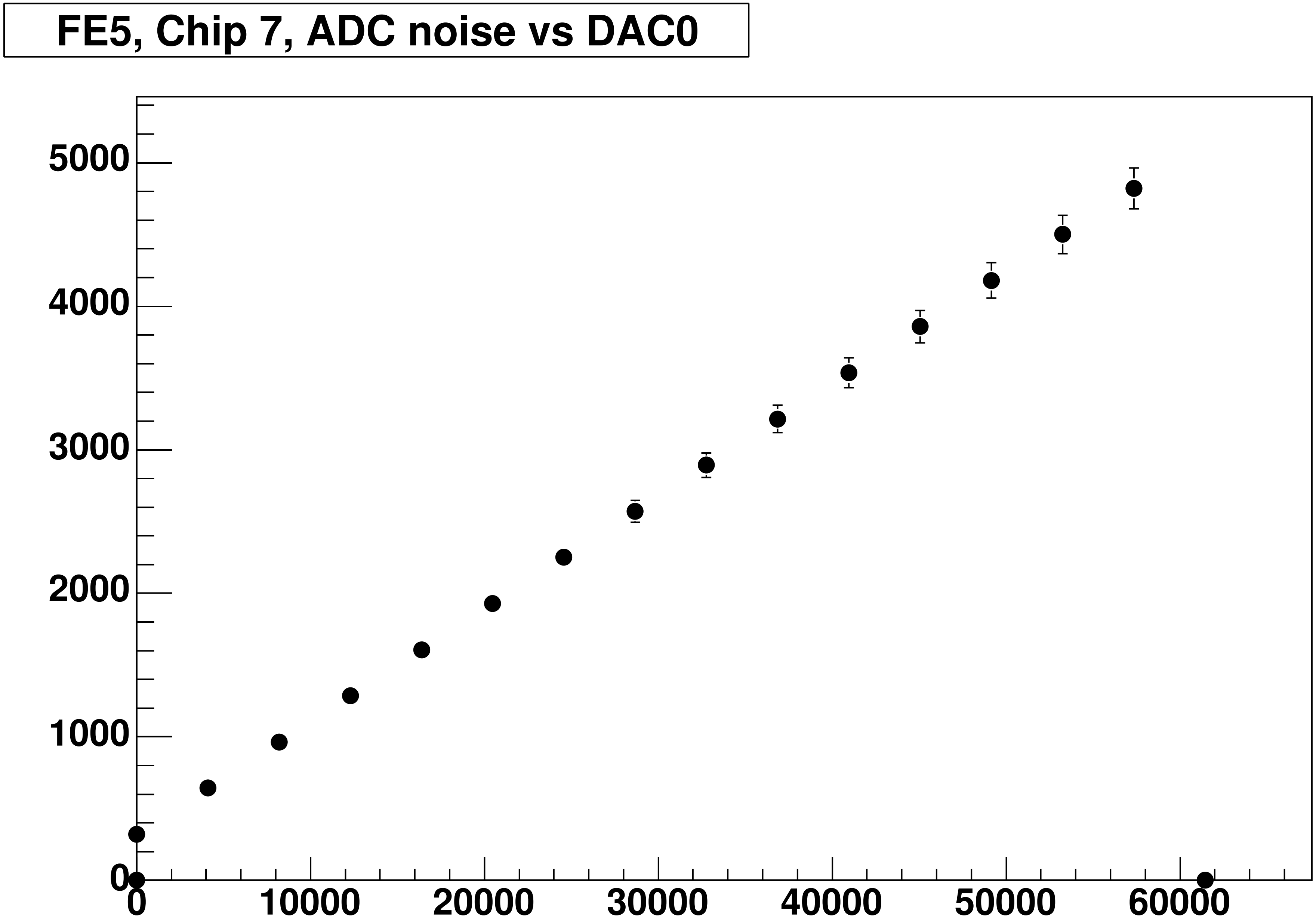
FE5, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.0005301 / 11
p0 -38.16 ± 31.05
p1 0.4367 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

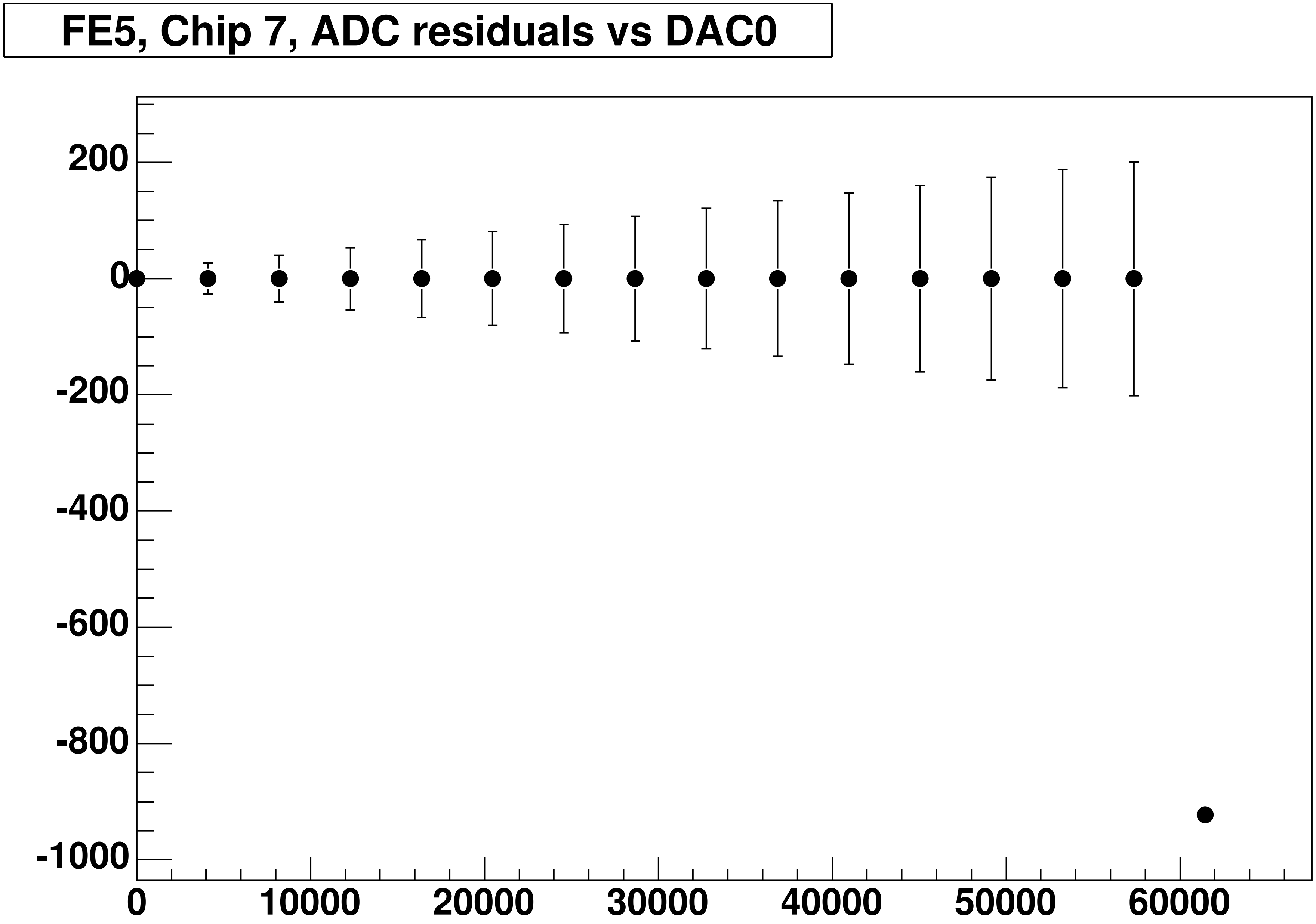

FE5, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

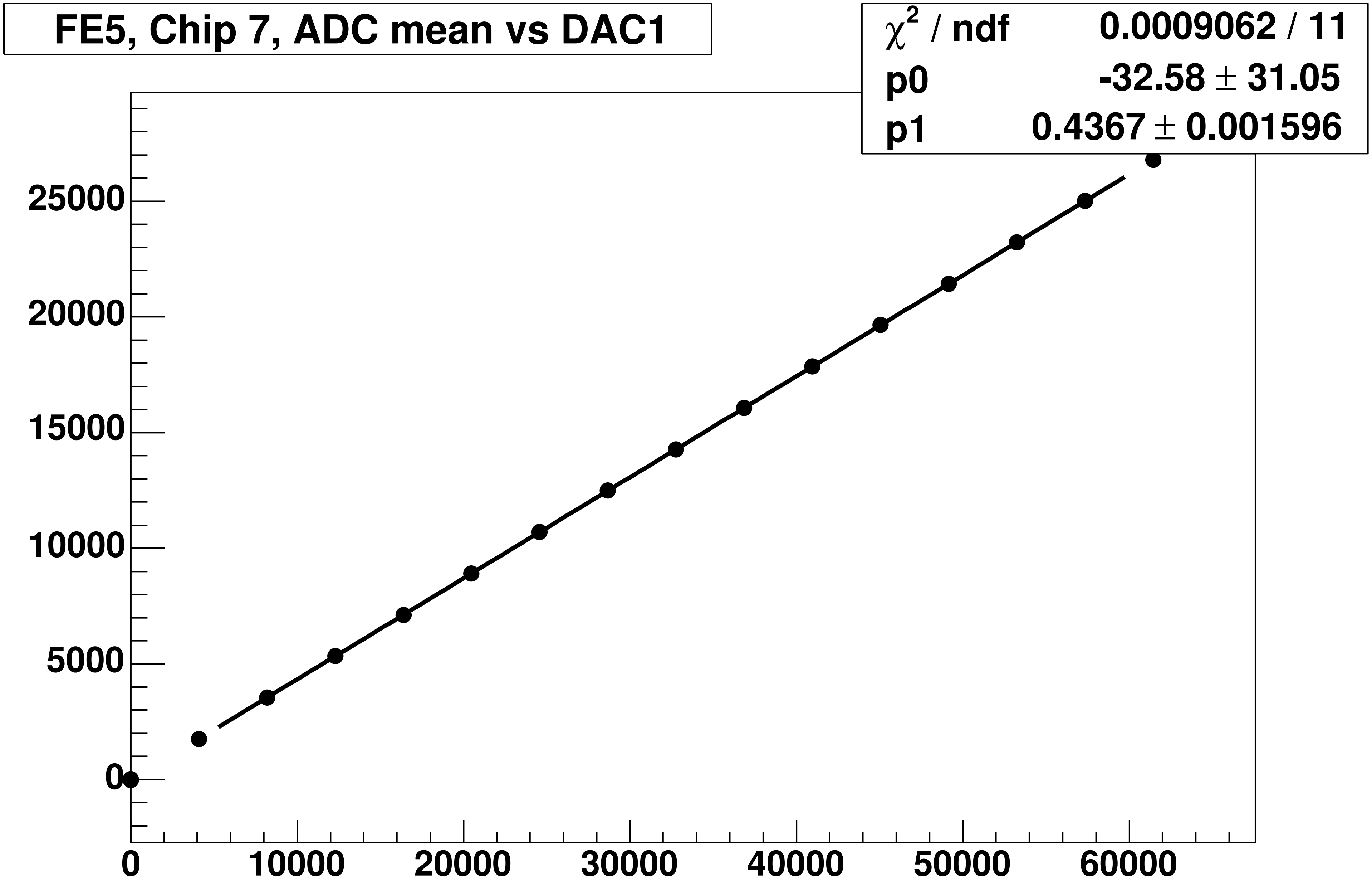

FE5, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



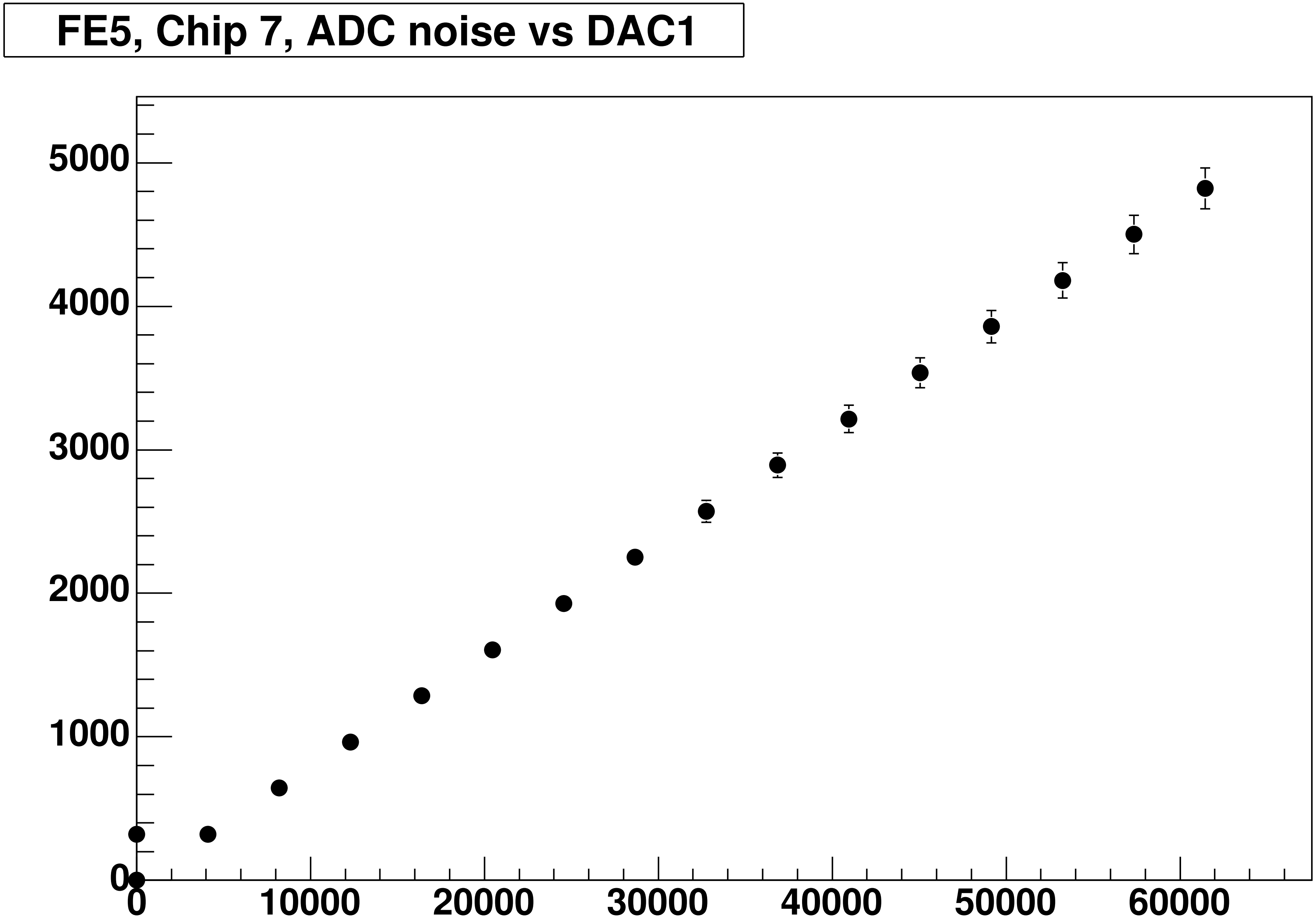
FE5, Chip 7, ADC mean vs DAC0
χ^2 / ndf 5.292e-06 / 11
p0 27.23 ± 41.91
p1 0.01408 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

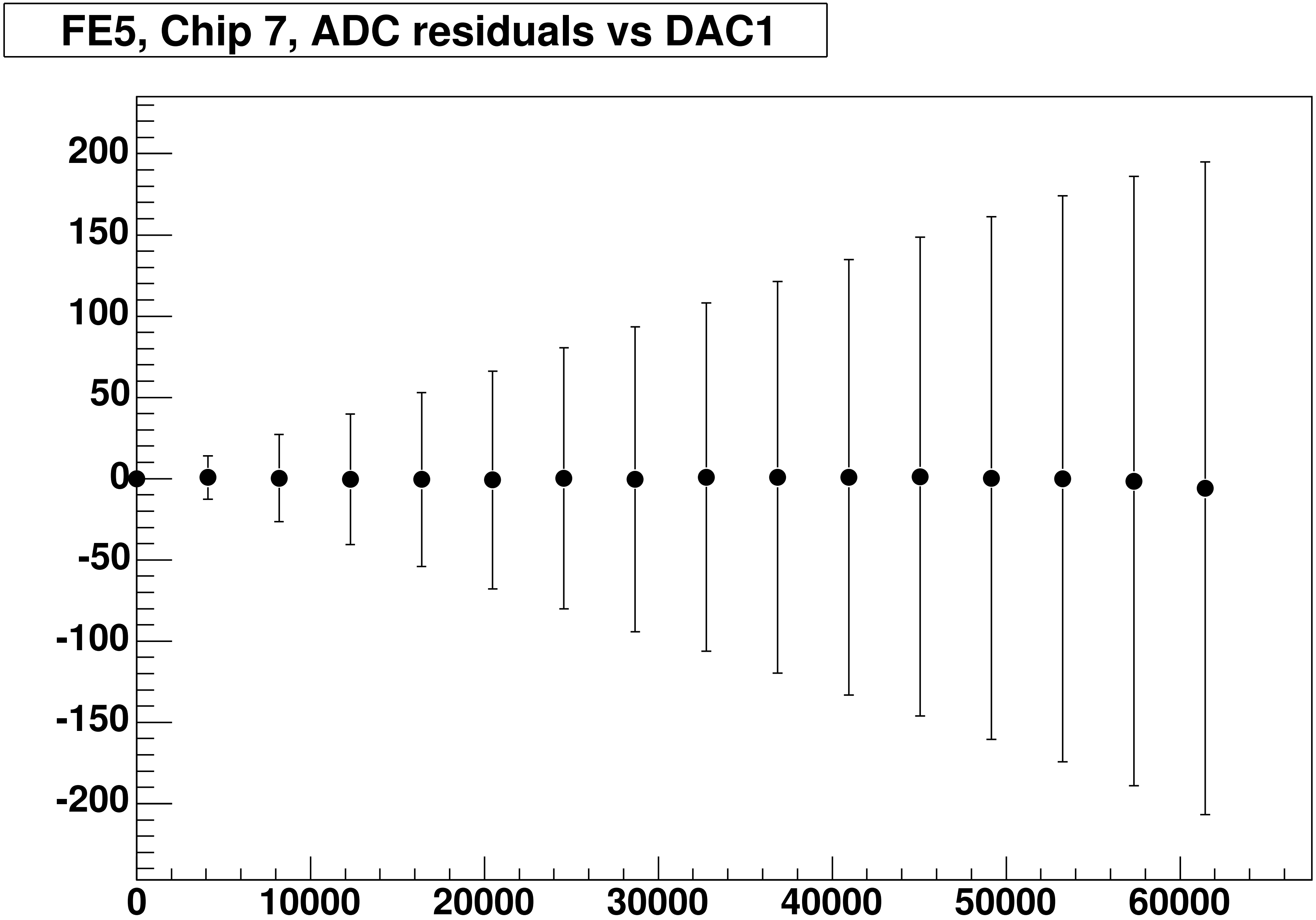

FE5, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

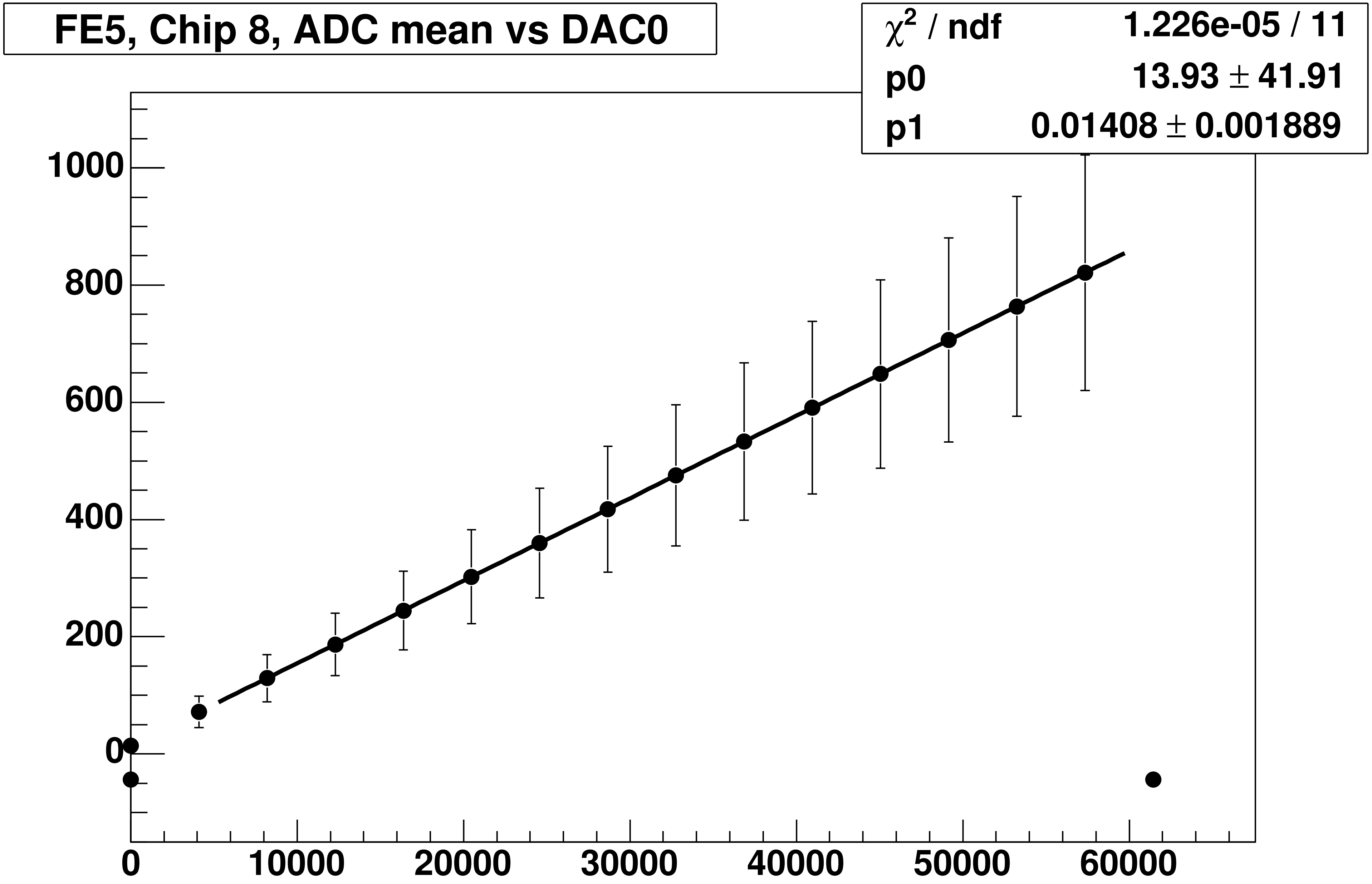


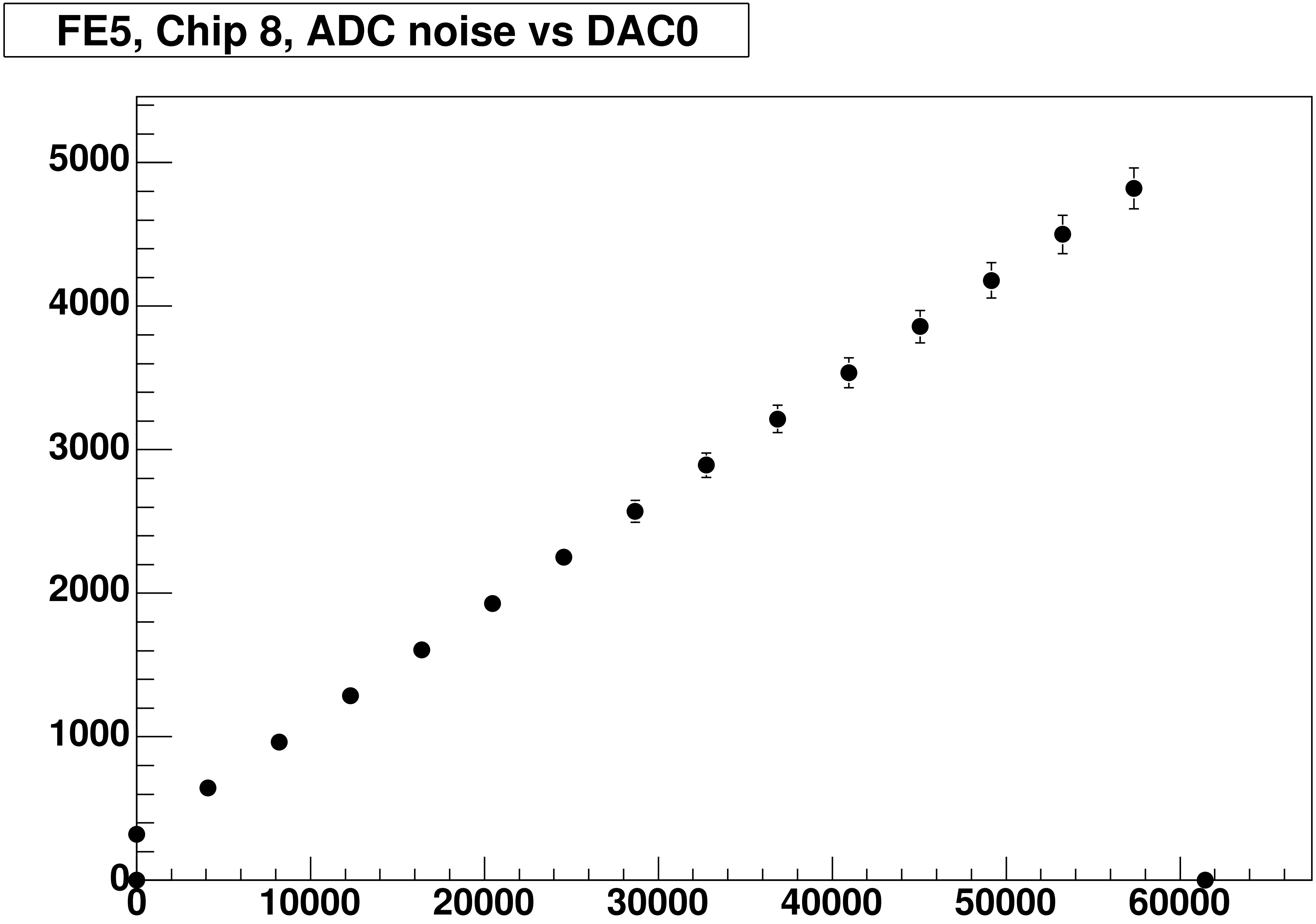
FE5, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.0009062 / 11
p0 -32.58 ± 31.05
p1 0.4367 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



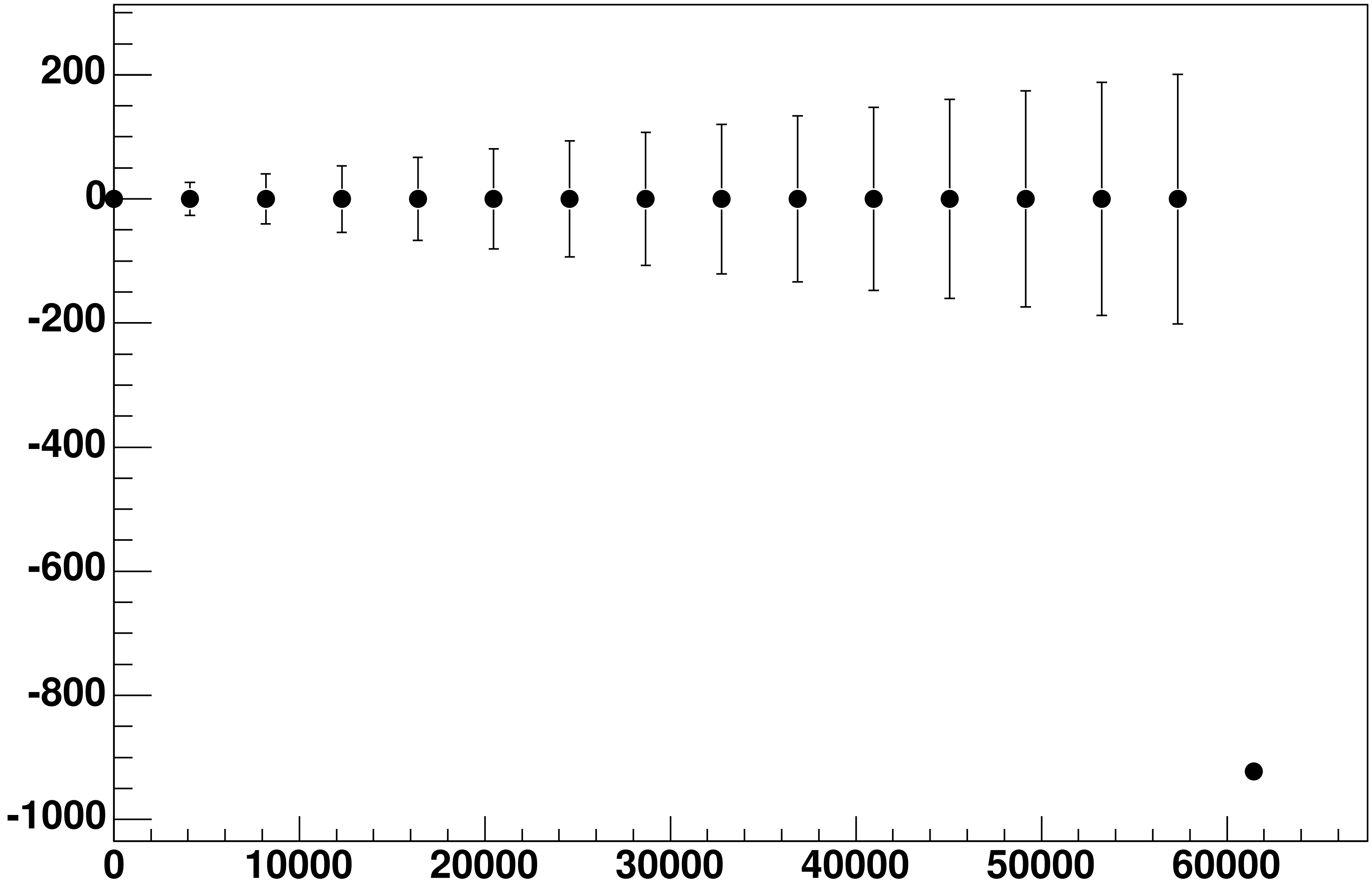
FE5, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

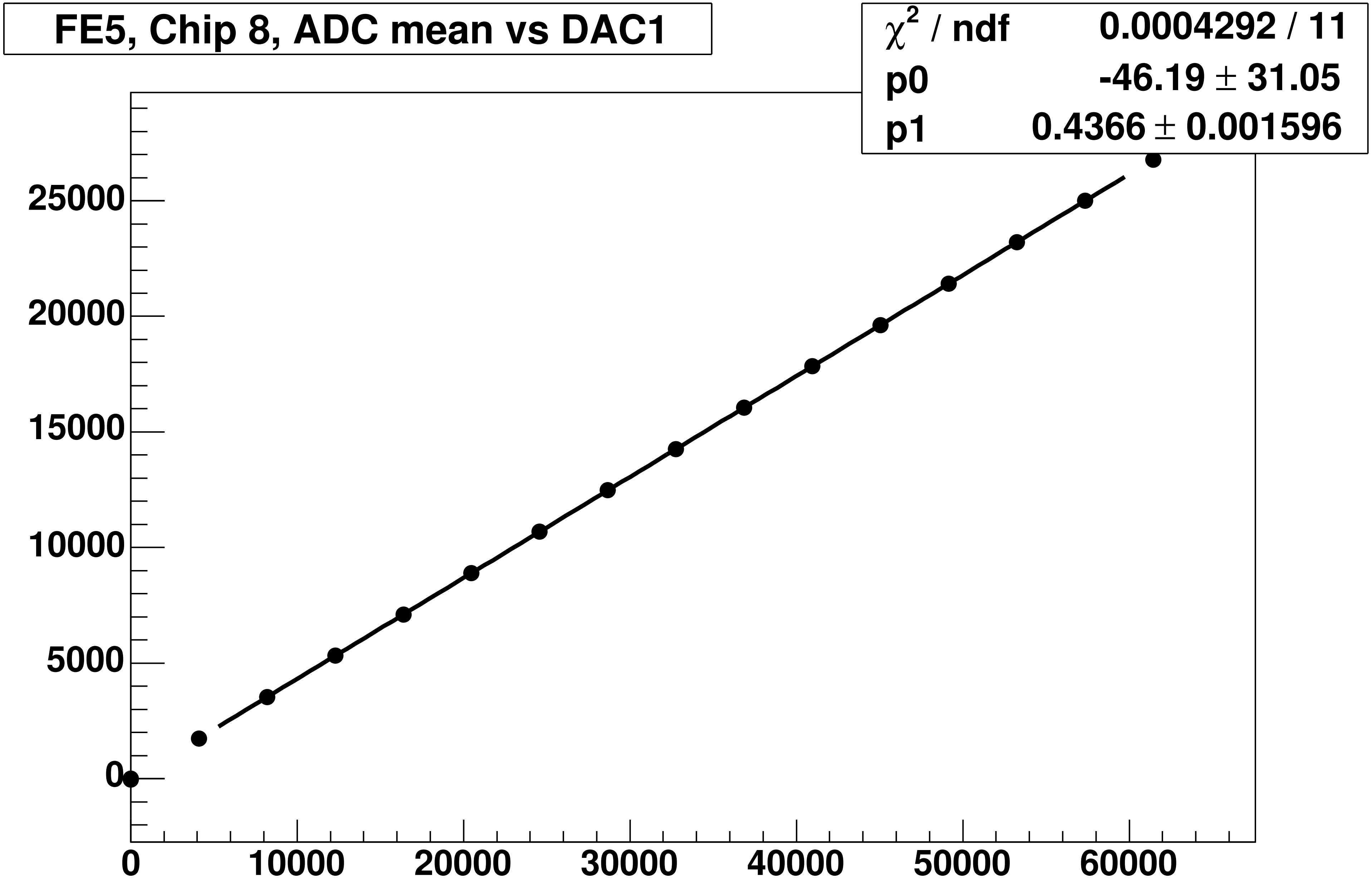

FE5, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.226e-05 / 11
p0 13.93 ± 41.91
p1 0.01408 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

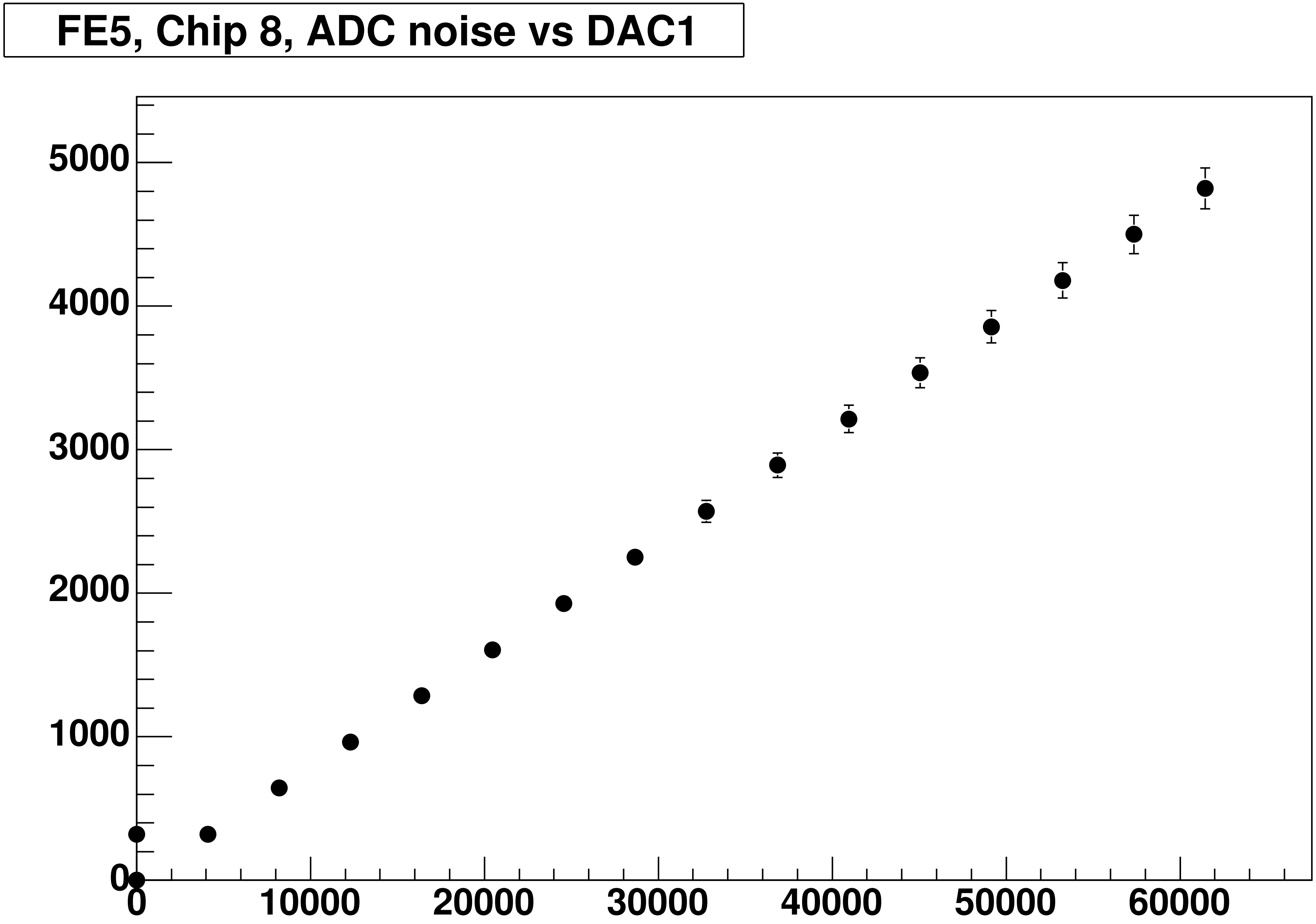

FE5, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

FE5, Chip 8, ADC residuals vs DAC0

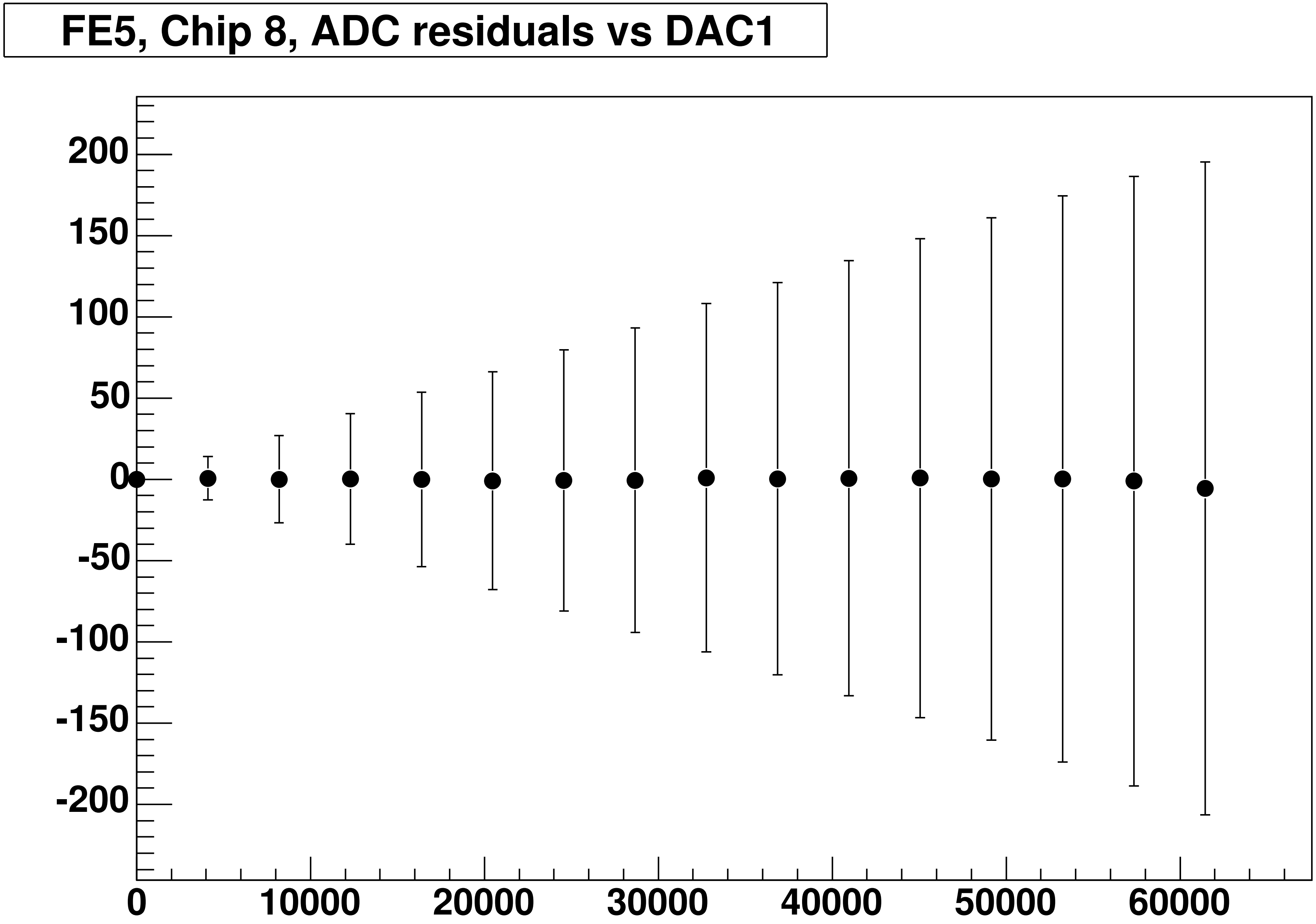




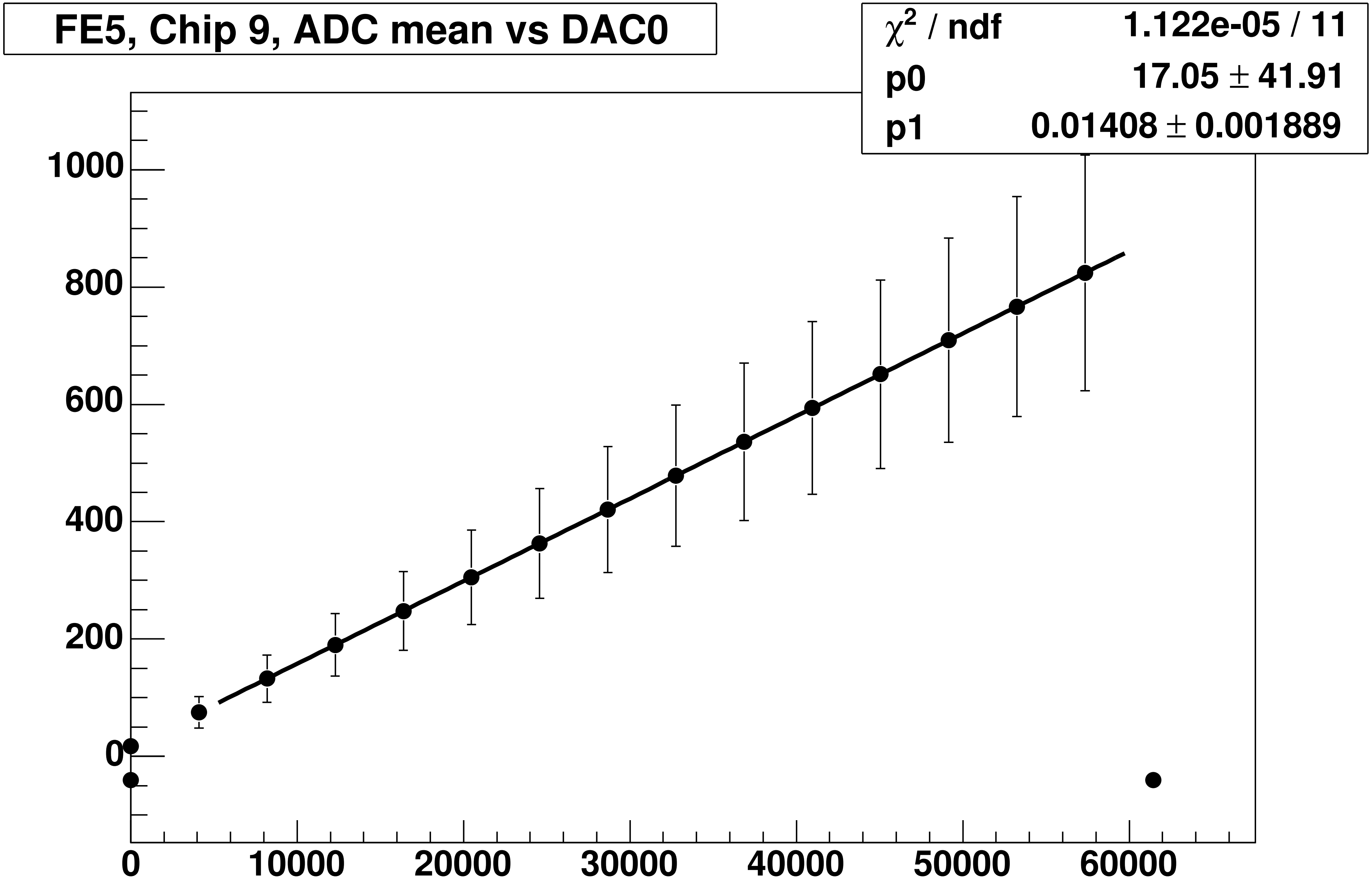
FE5, Chip 8, ADC mean vs DAC1
χ2 / ndf 0.0004292 / 11
p0 -46.19 ± 31.05
p1 0.4366 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



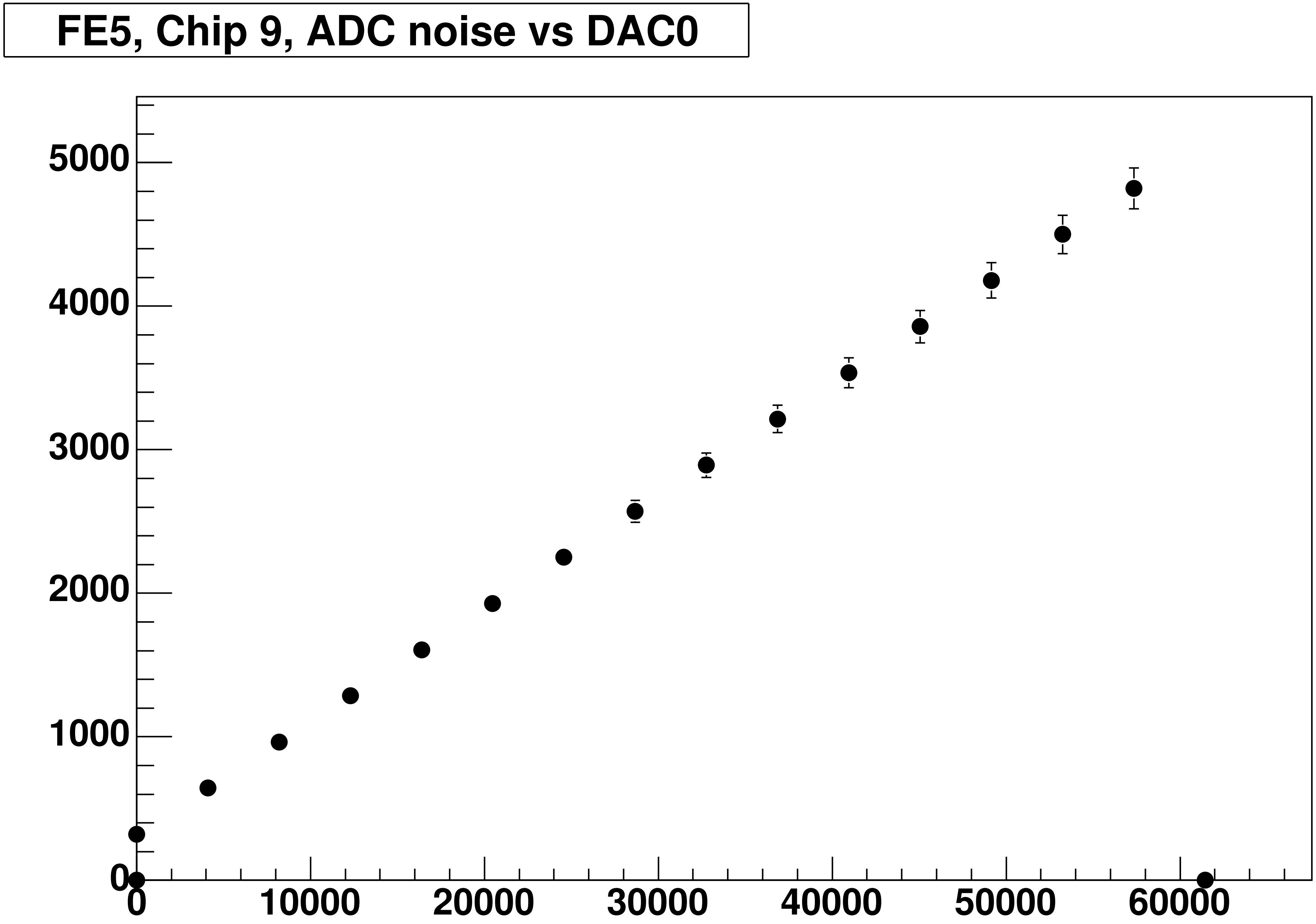
FE5, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



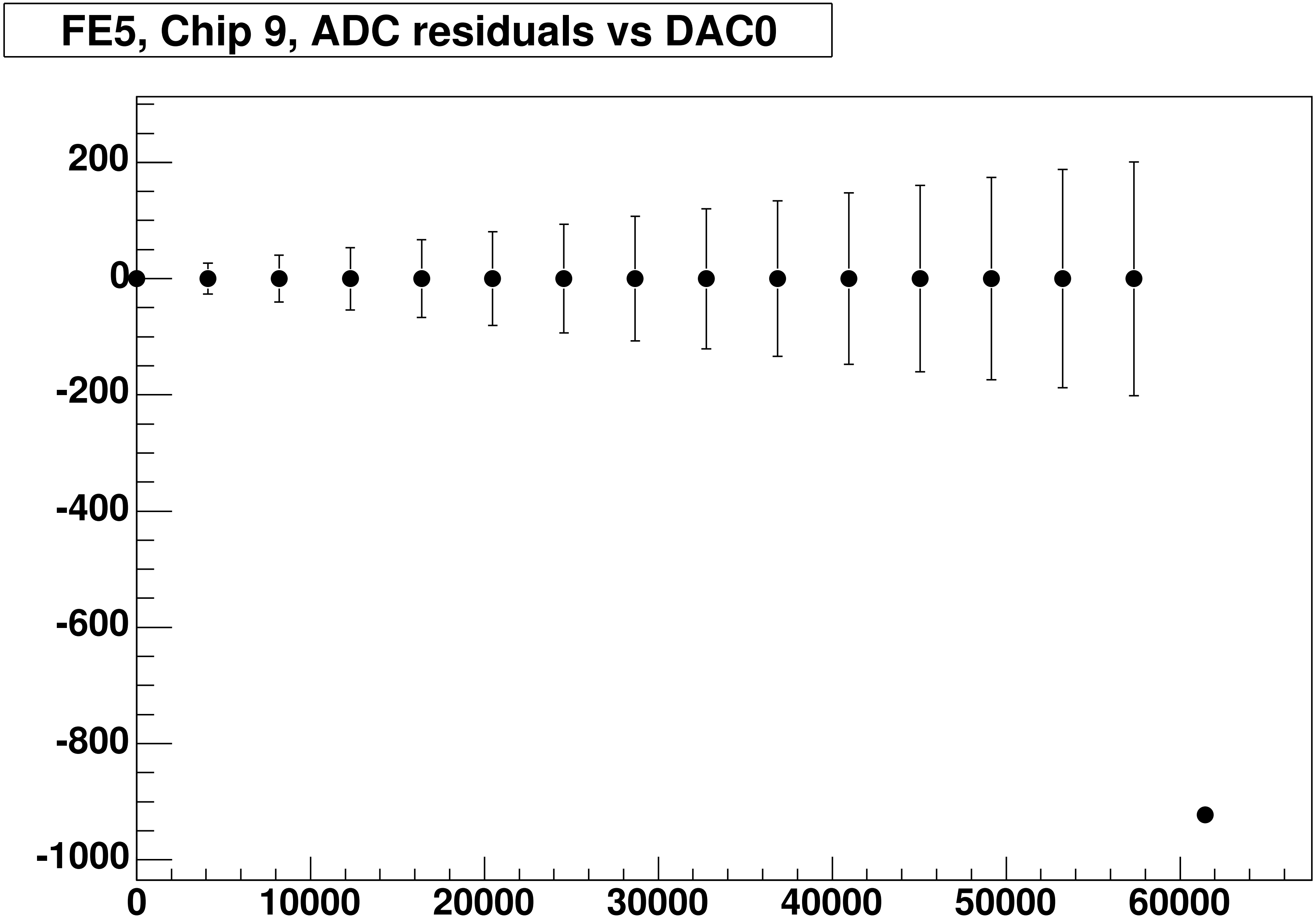
FE5, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



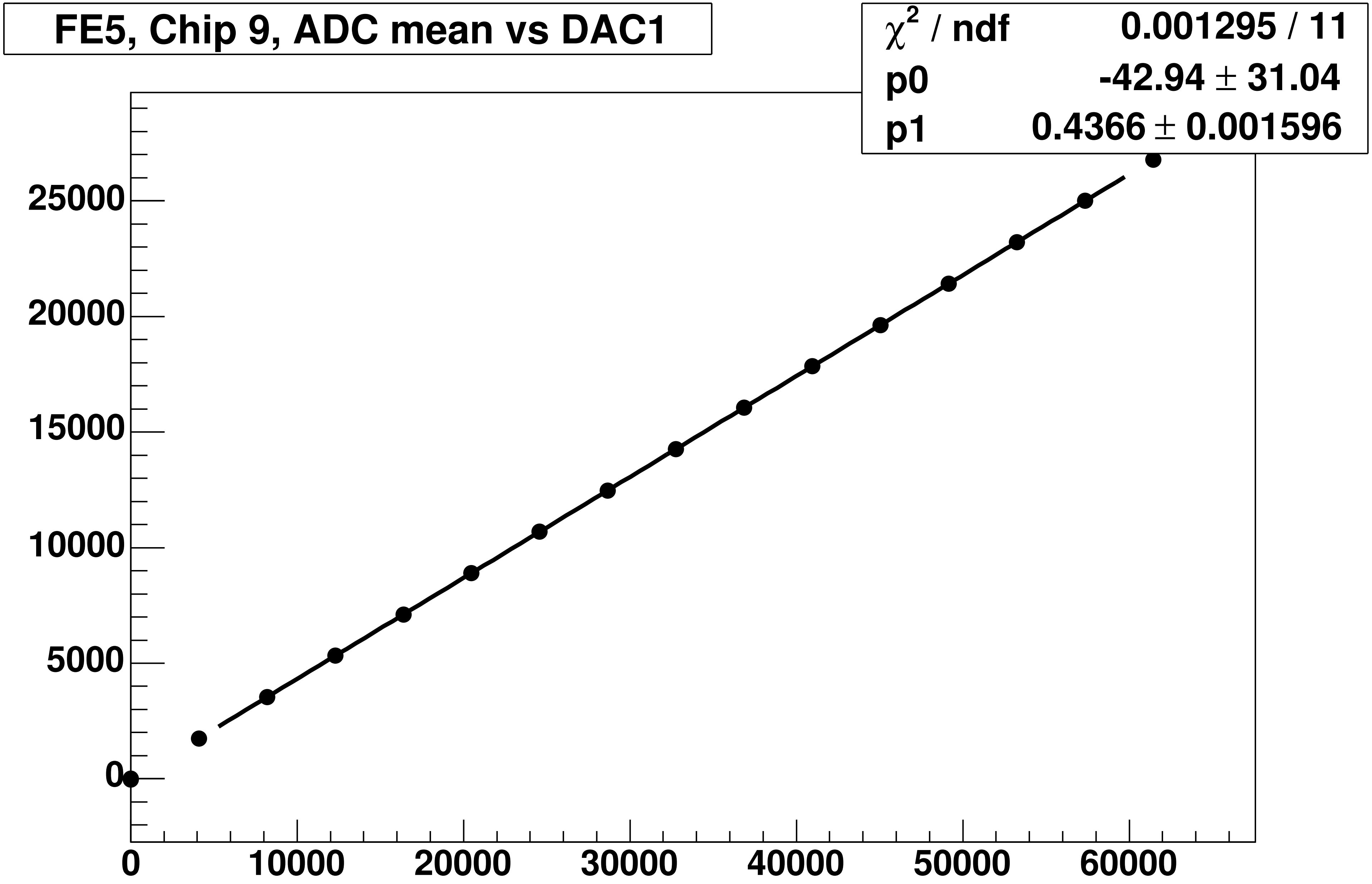
FE5, Chip 9, ADC mean vs DAC0
χ2 / ndf 1.122e-05 / 11
p0 17.05 ± 41.91
p1 0.01408 ± 0.001889
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000



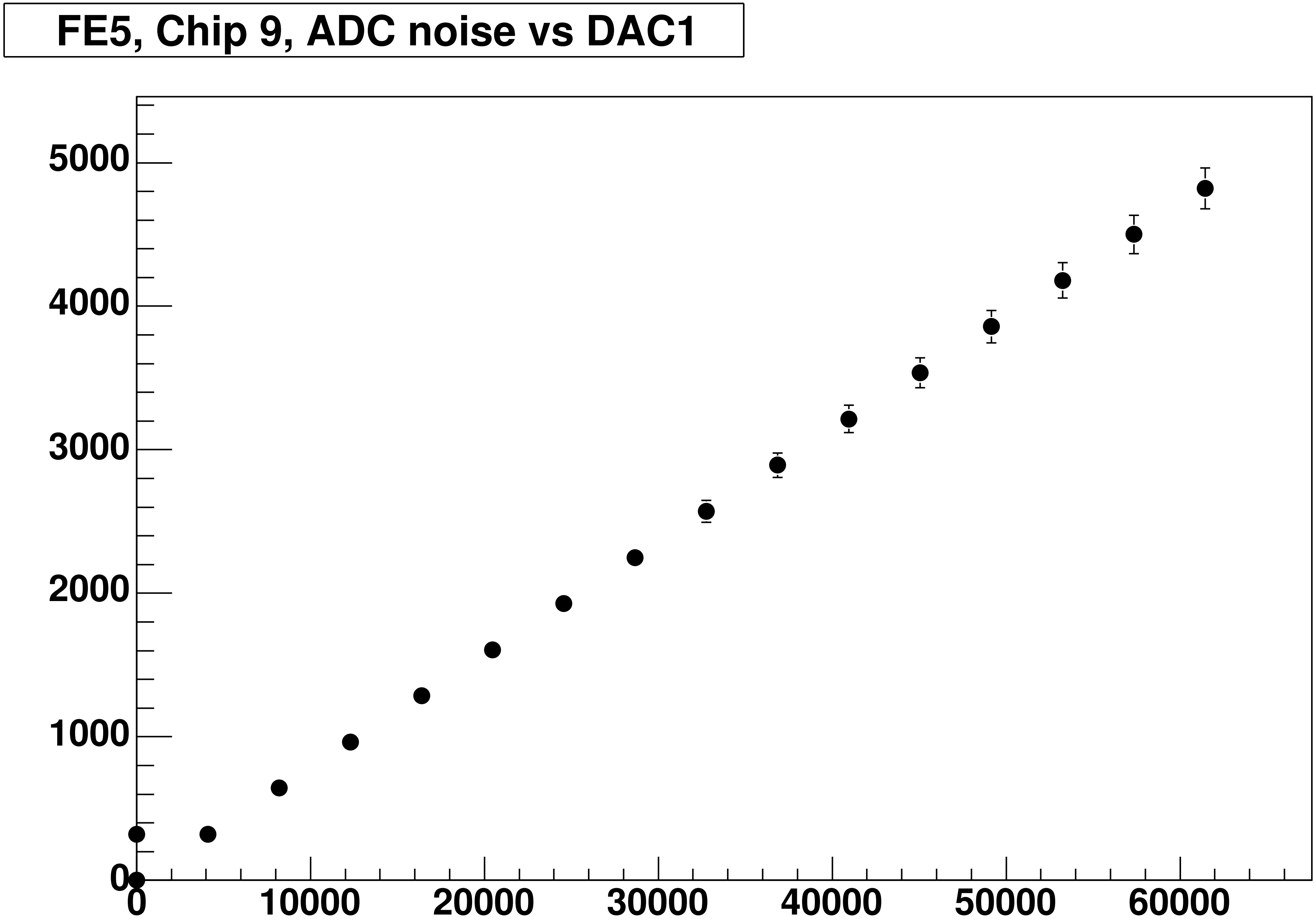
FE5, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



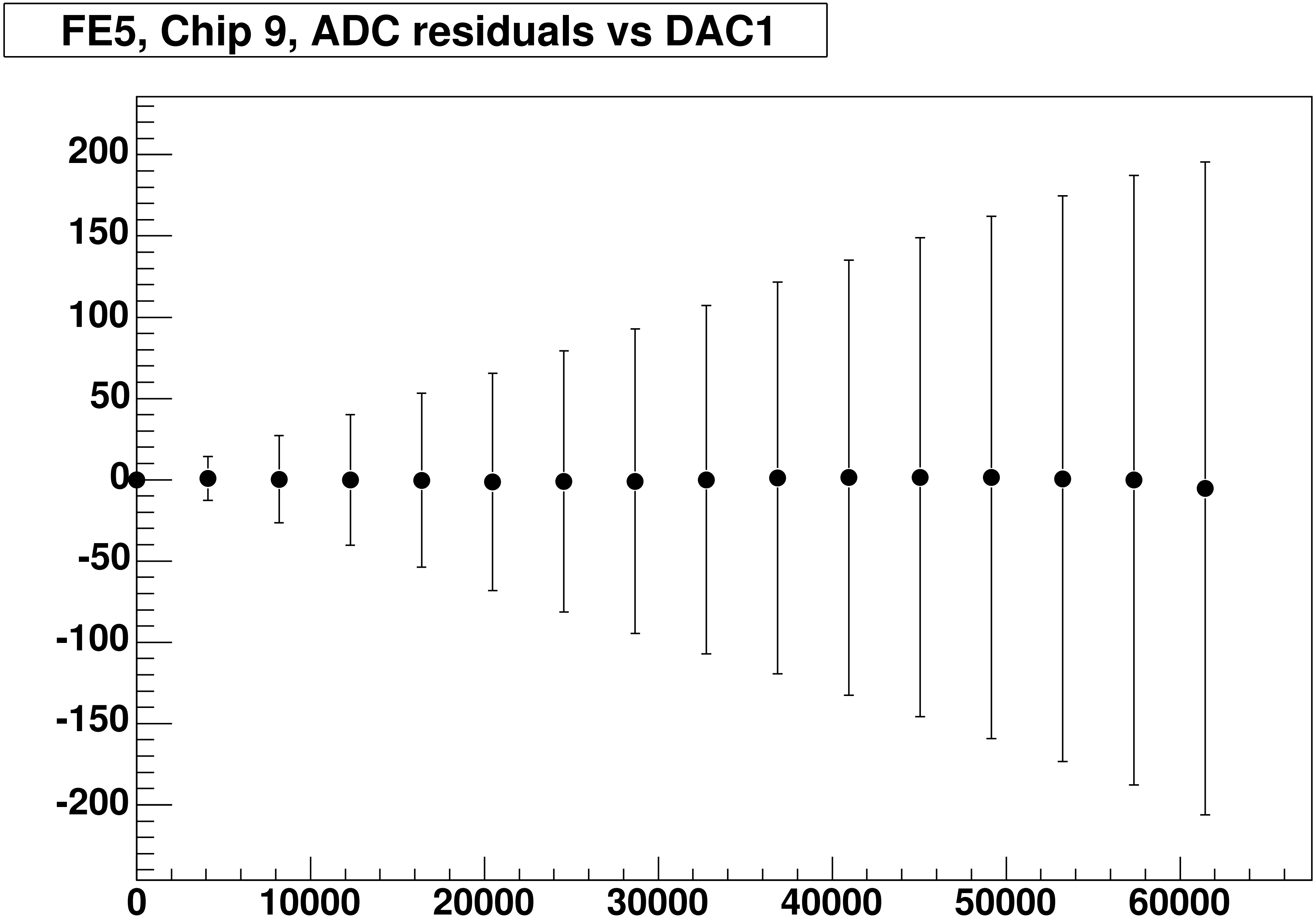
FE5, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



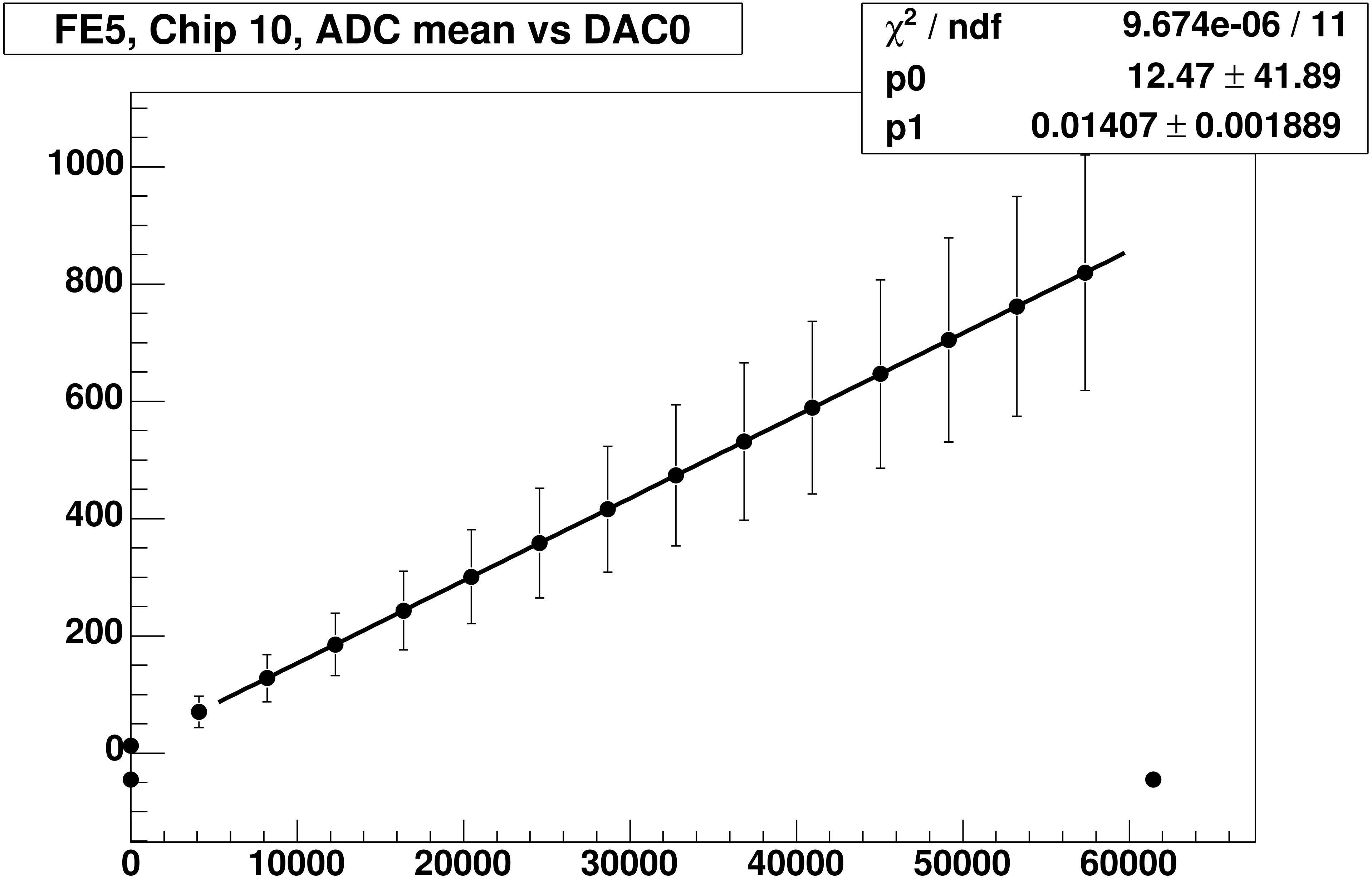
FE5, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.001295 / 11
p0 -42.94 ± 31.04
p1 0.4366 ± 0.001596
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

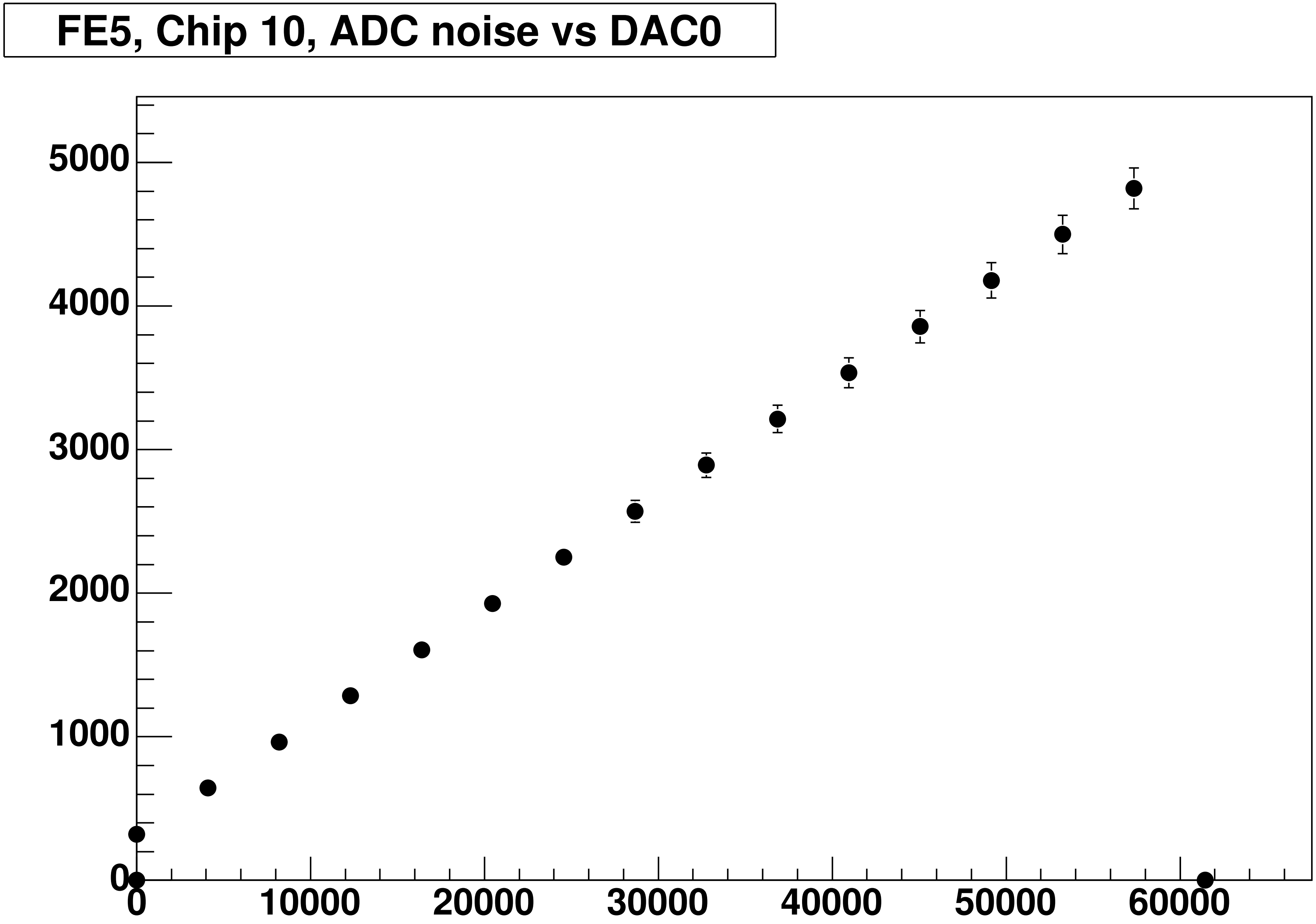


FE5, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

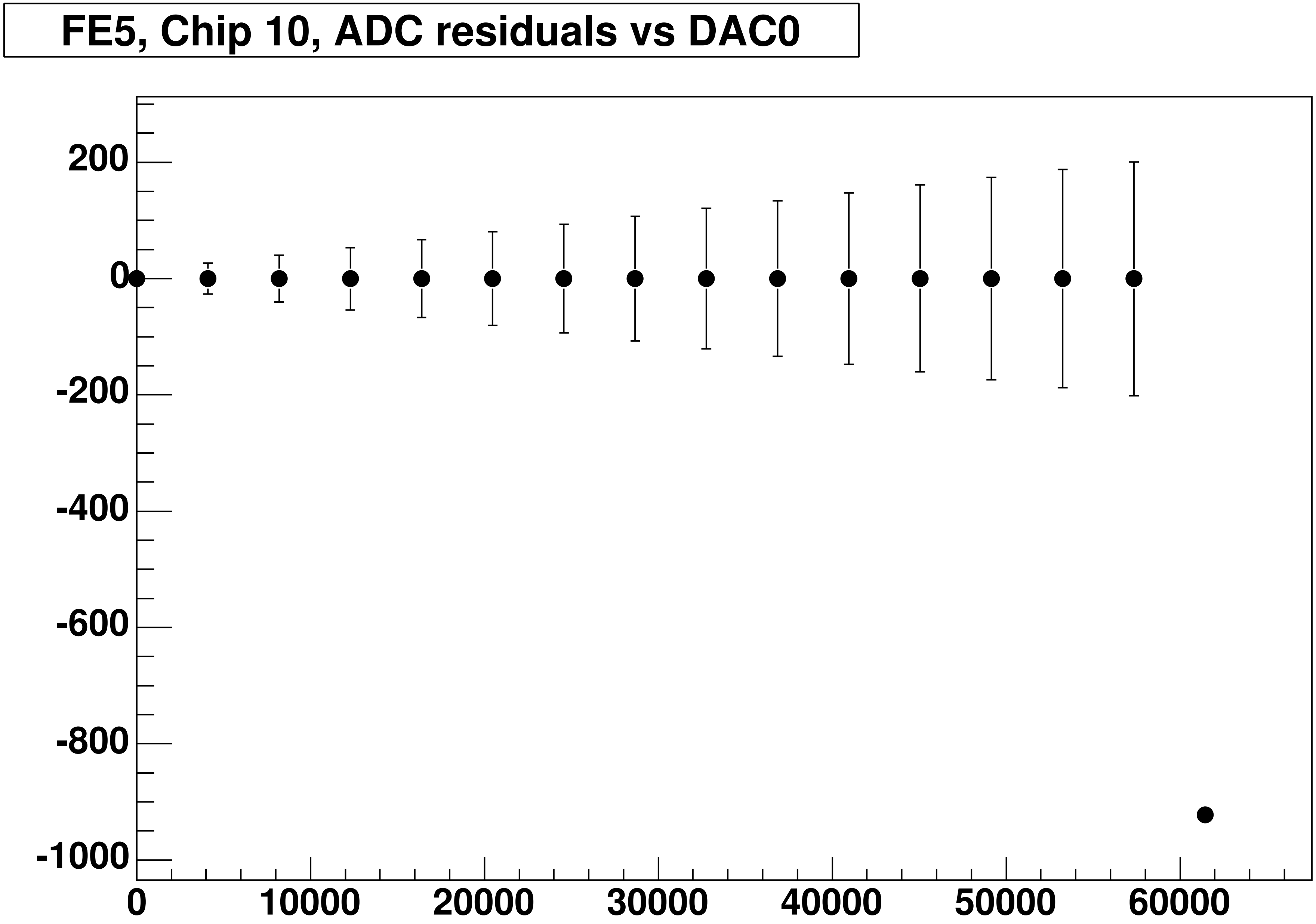


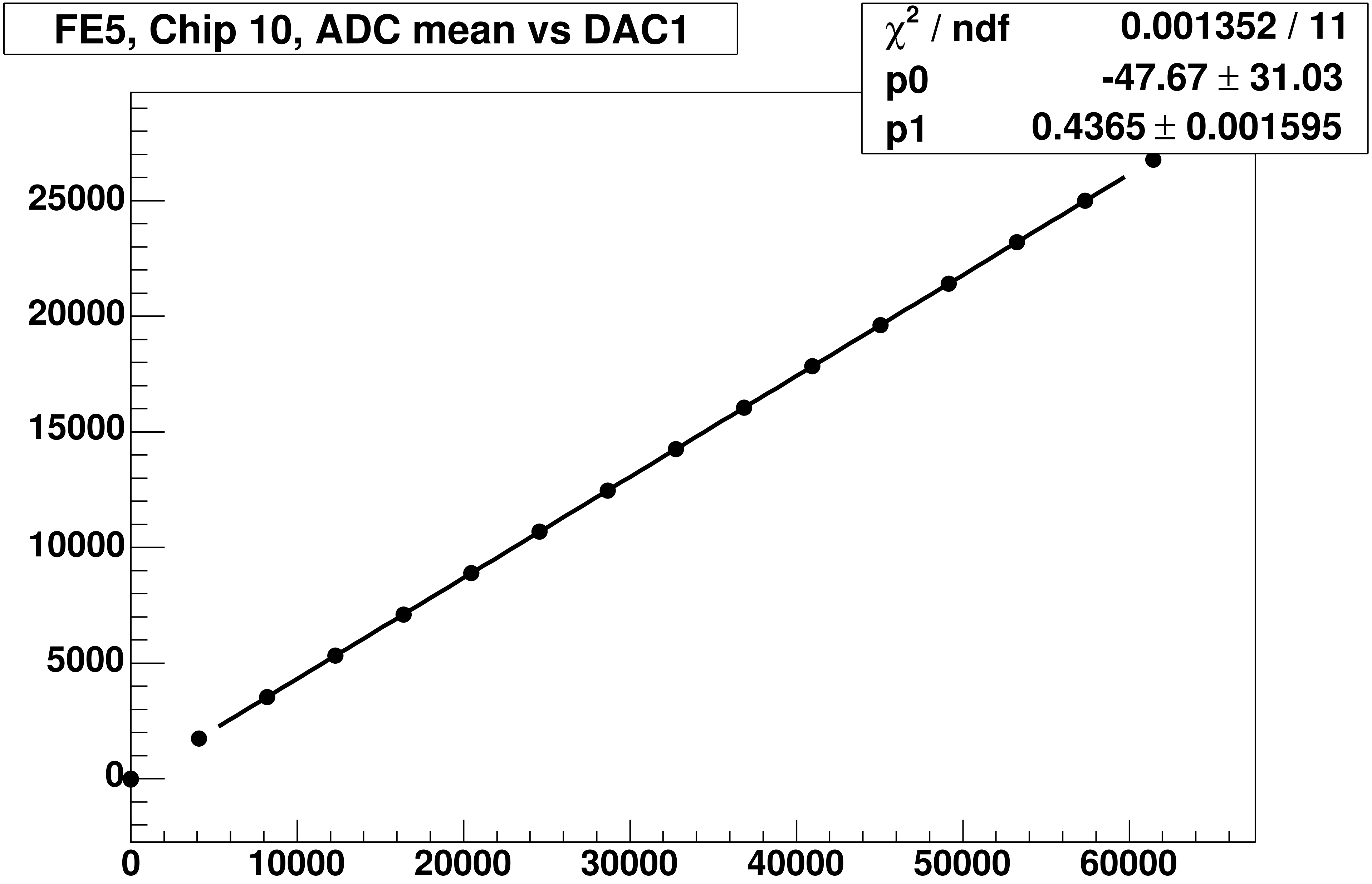
FE5, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 10, ADC mean vs DAC0
χ2 / ndf 9.674e-06 / 11
p0 12.47 ± 41.89
p1 0.01407 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

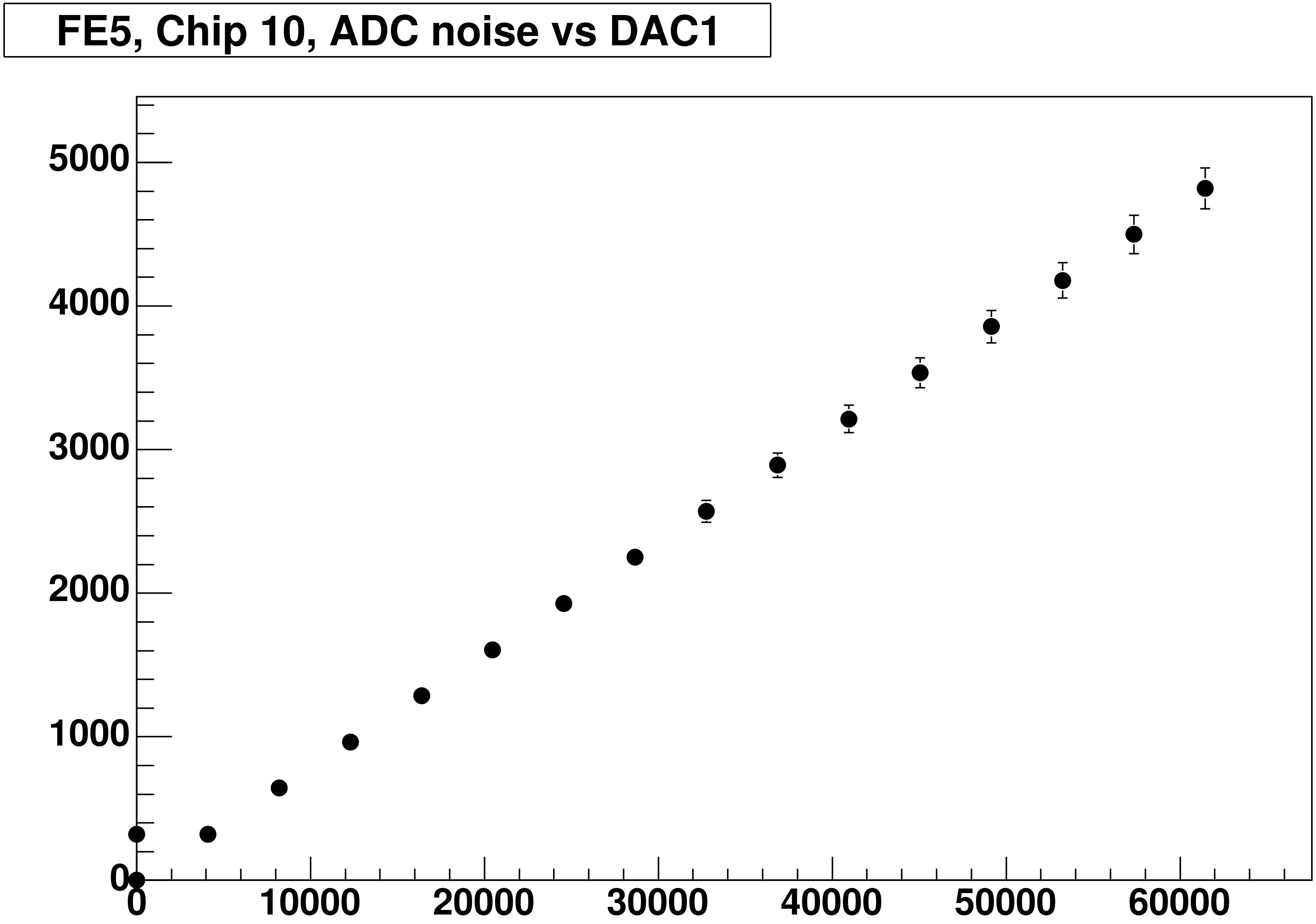


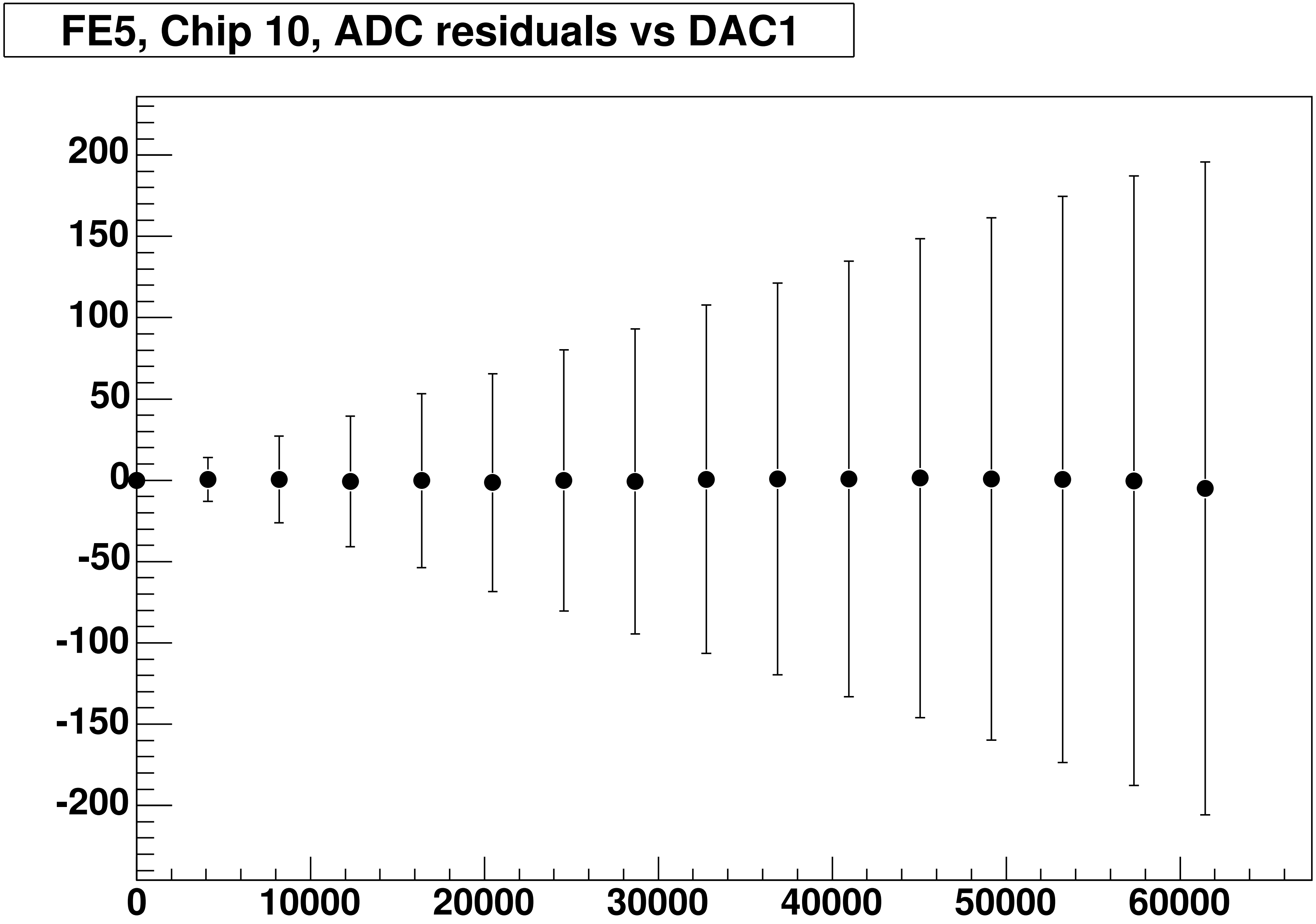
FE5, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

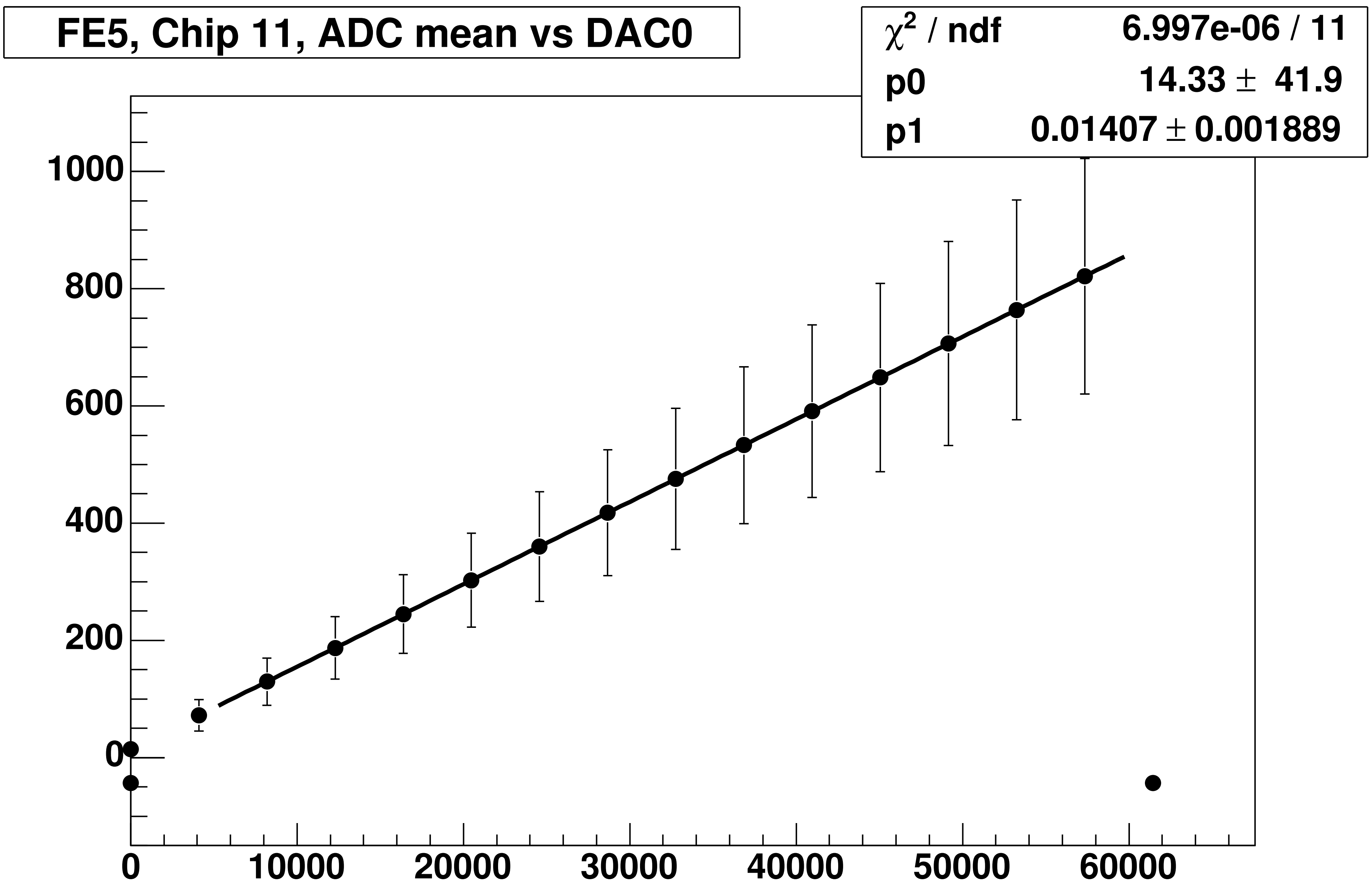

FE5, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



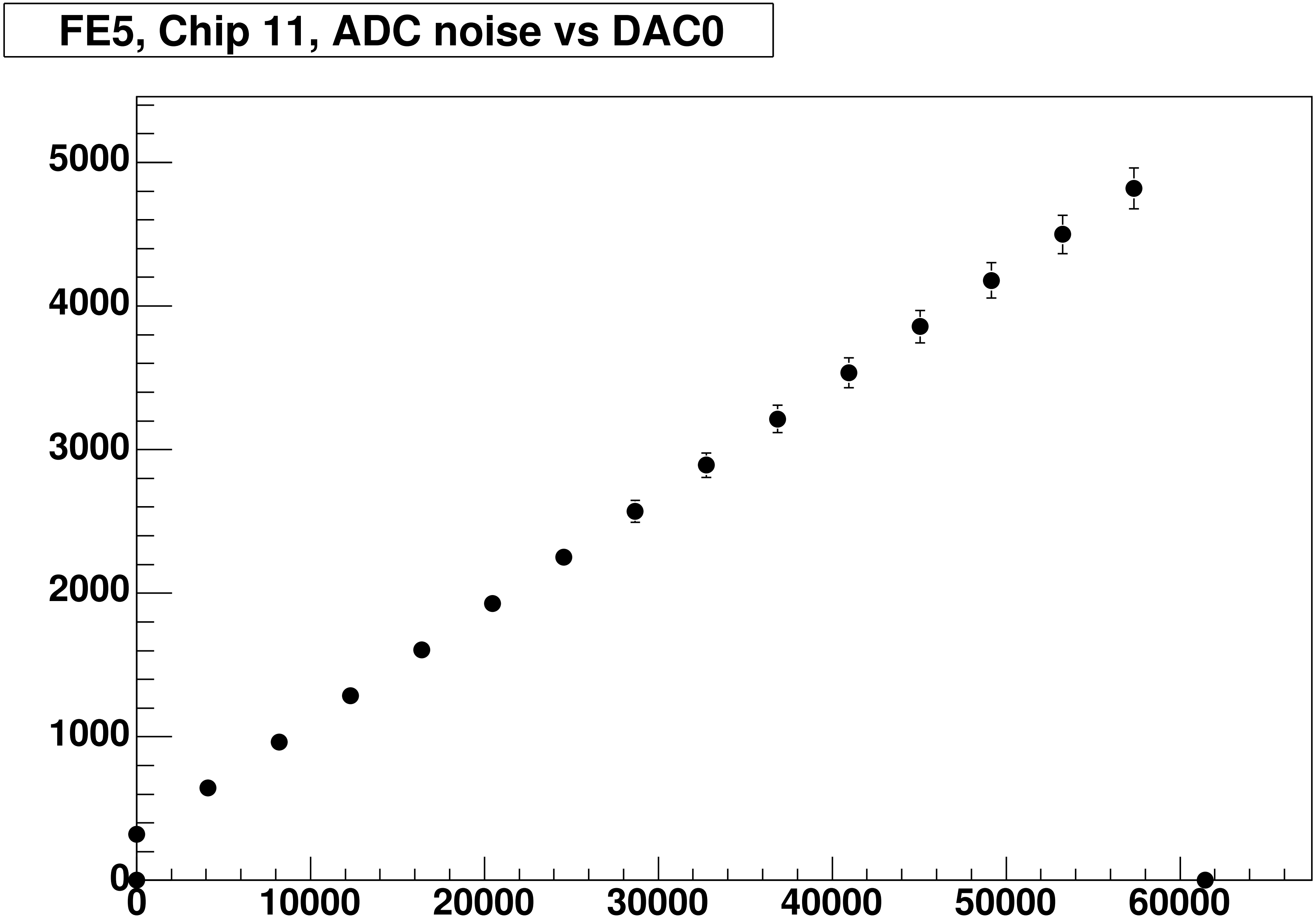
FE5, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001352 / 11
p0 -47.67 ± 31.03
p1 0.4365 ± 0.001595
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

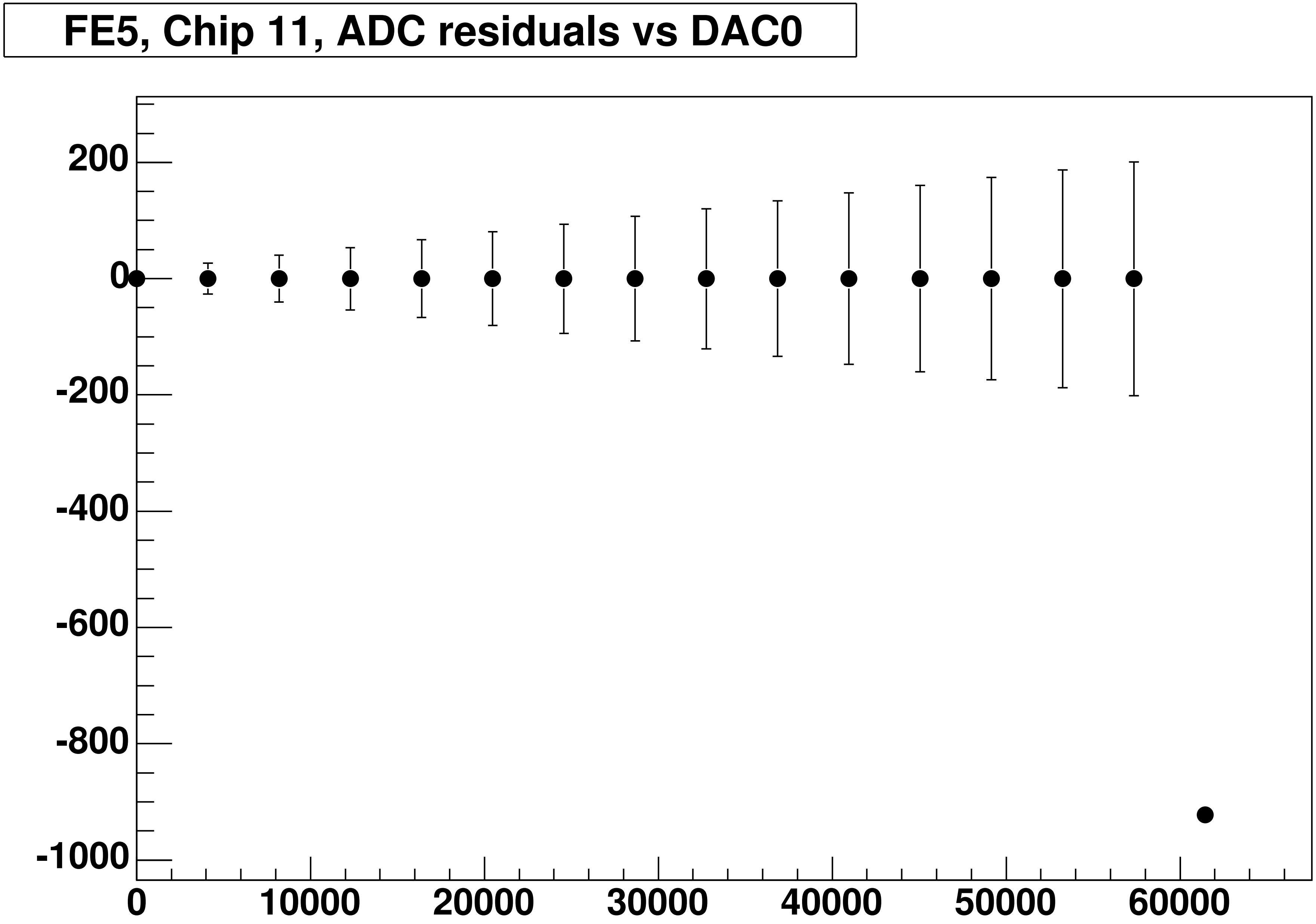

FE5, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

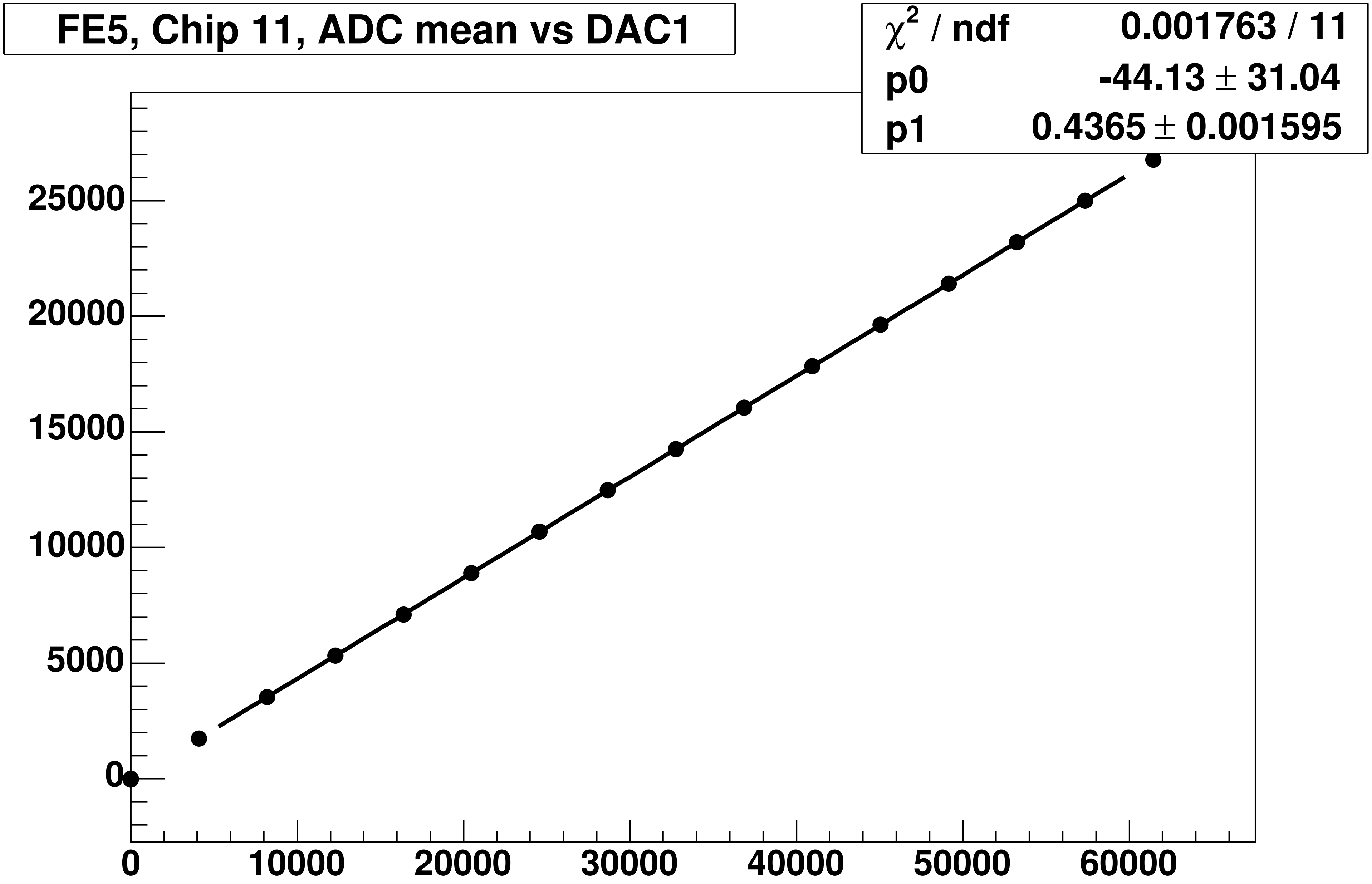

FE5, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



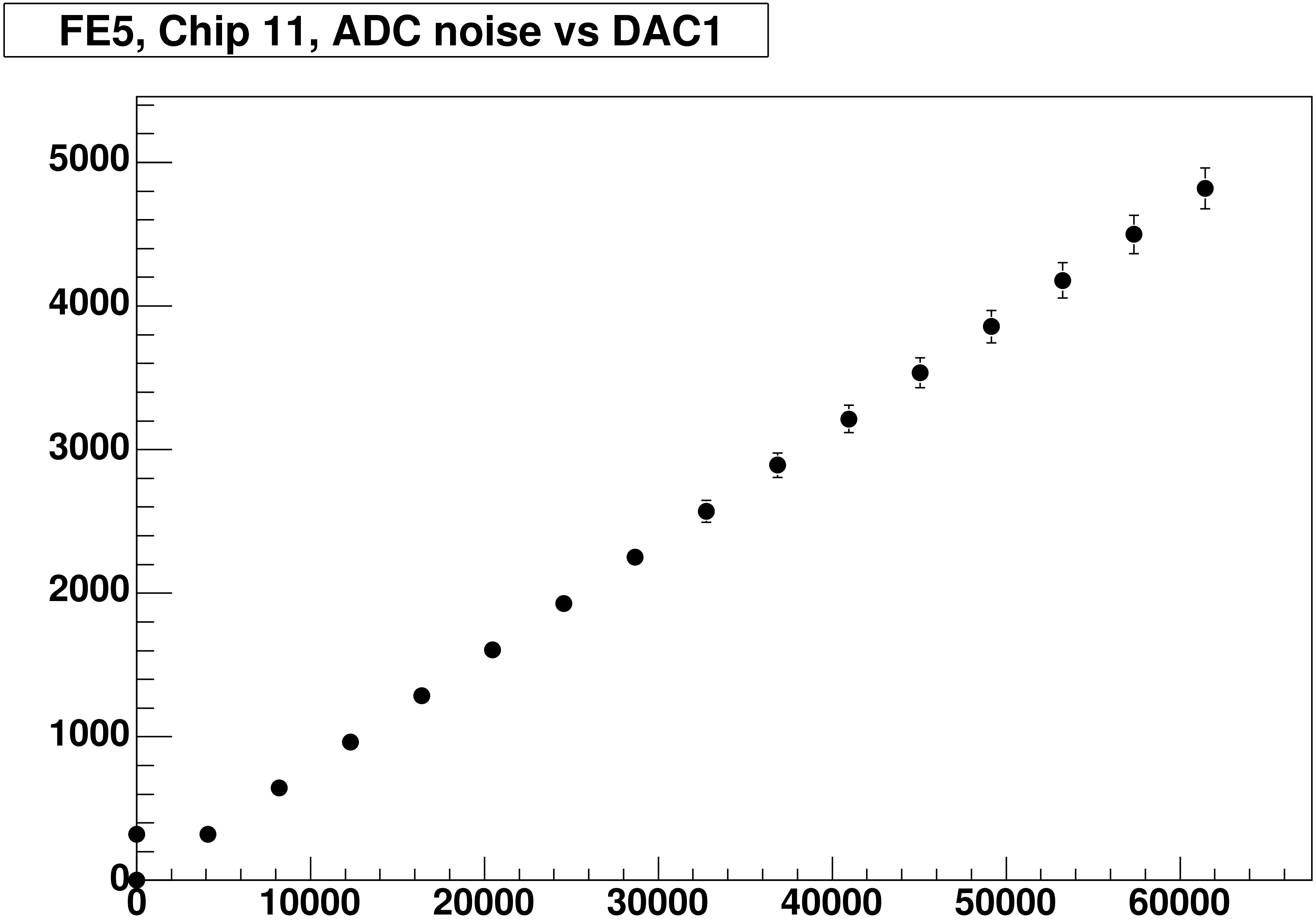
FE5, Chip 11, ADC mean vs DAC0
χ^2 / ndf 6.997e-06 / 11
p0 14.33 ± 41.9
p1 0.01407 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

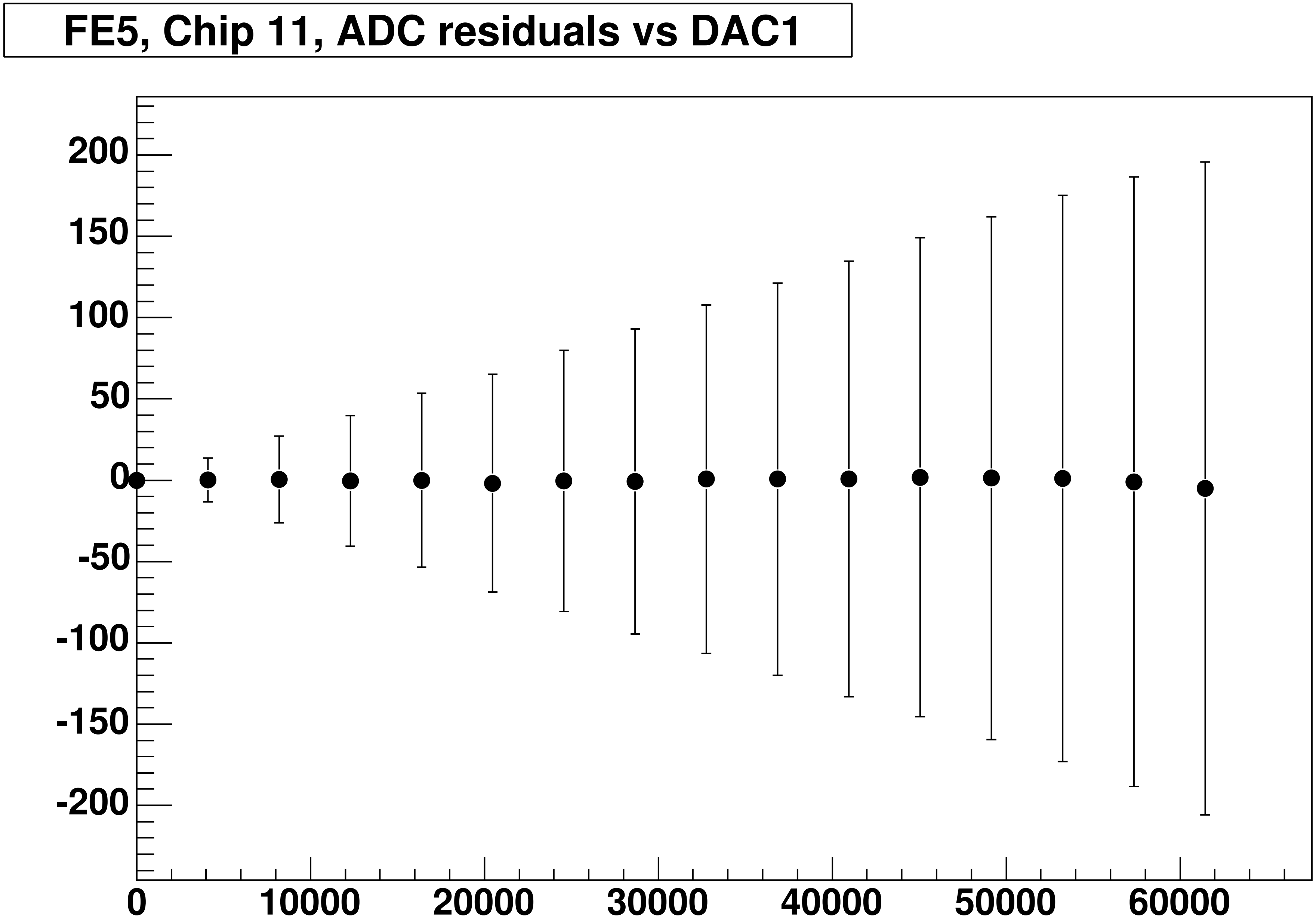

FE5, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

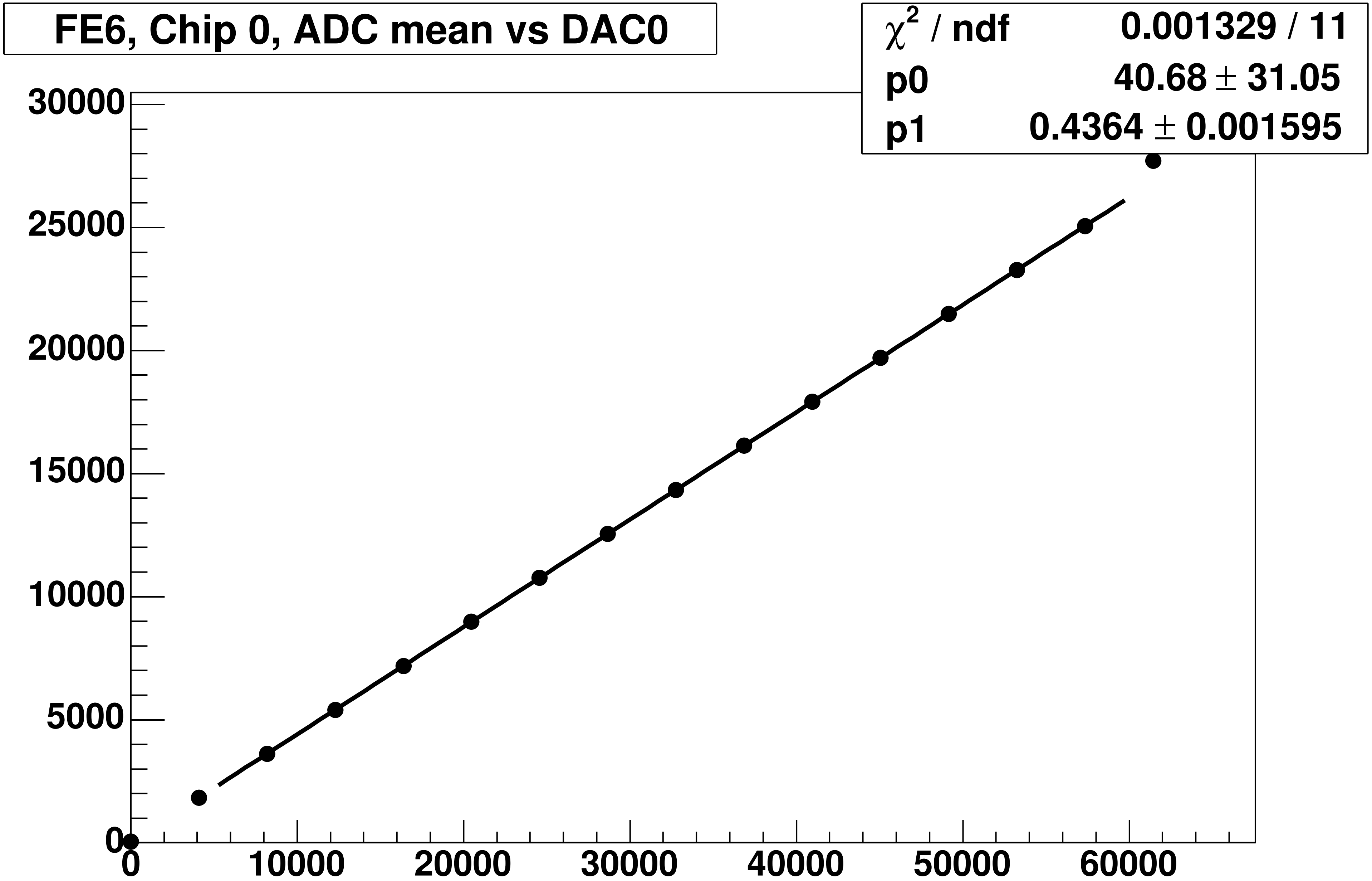

FE5, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

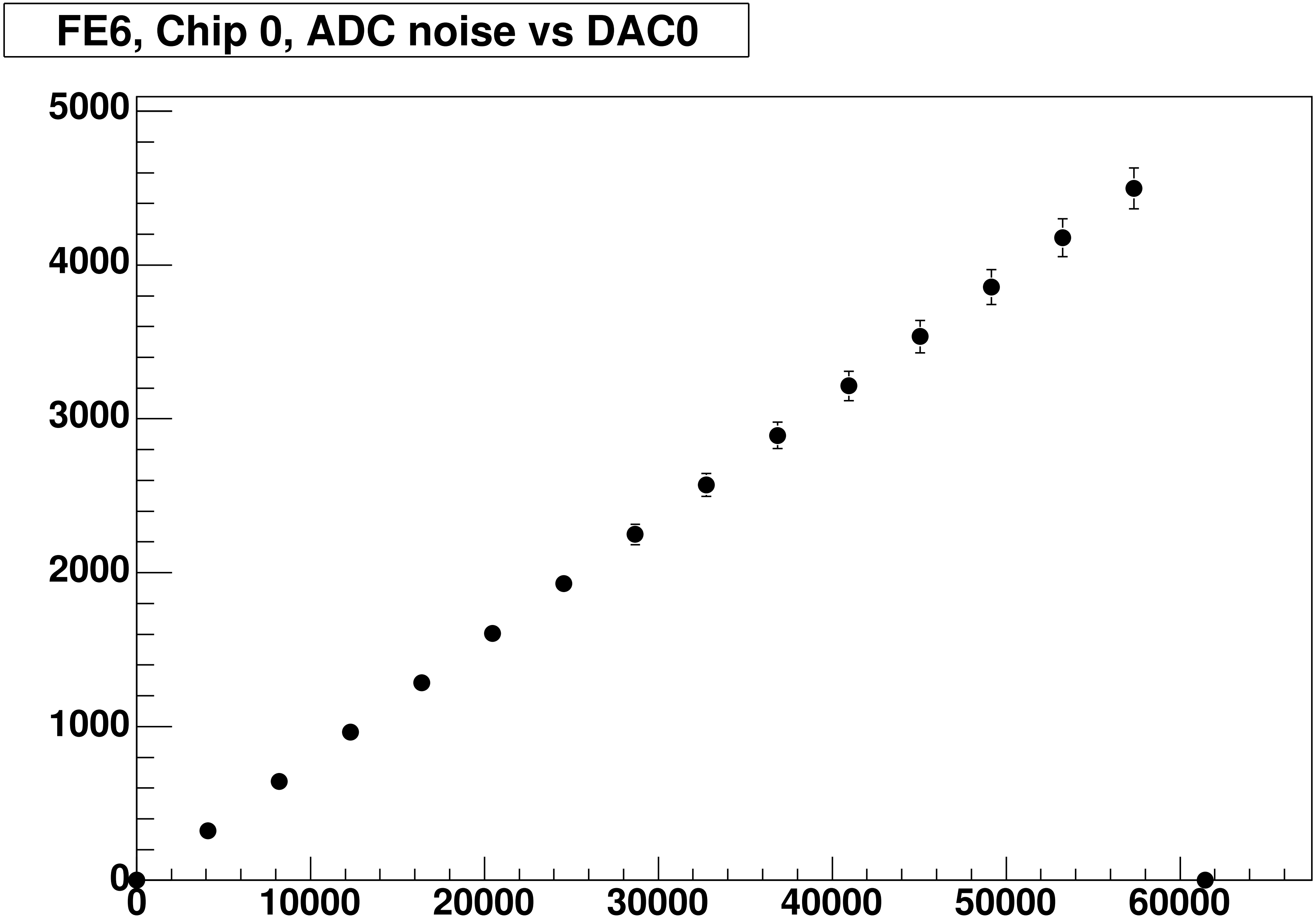


FE5, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.001763 / 11
p0 -44.13 ± 31.04
p1 0.4365 ± 0.001595
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

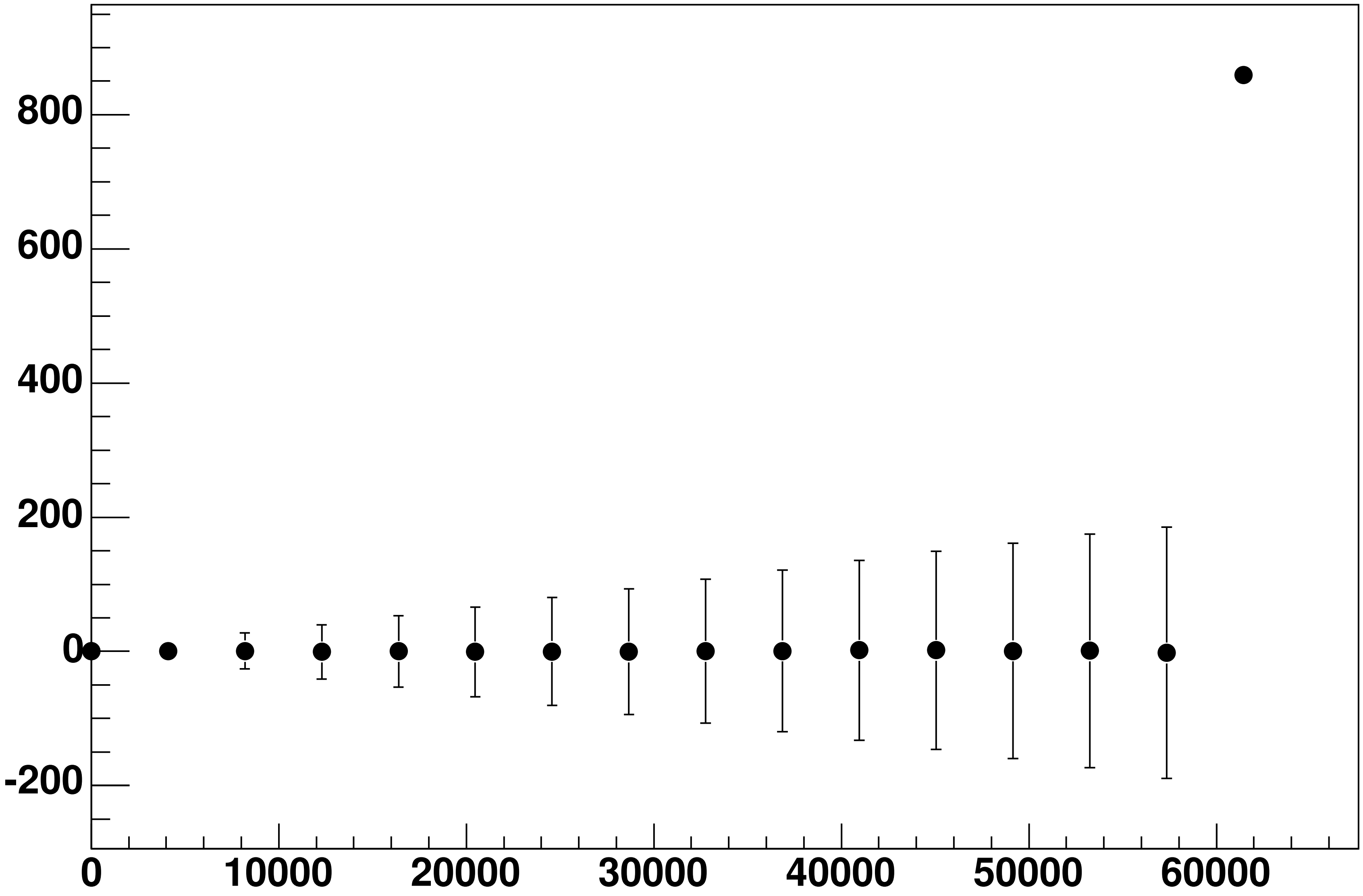

FE5, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

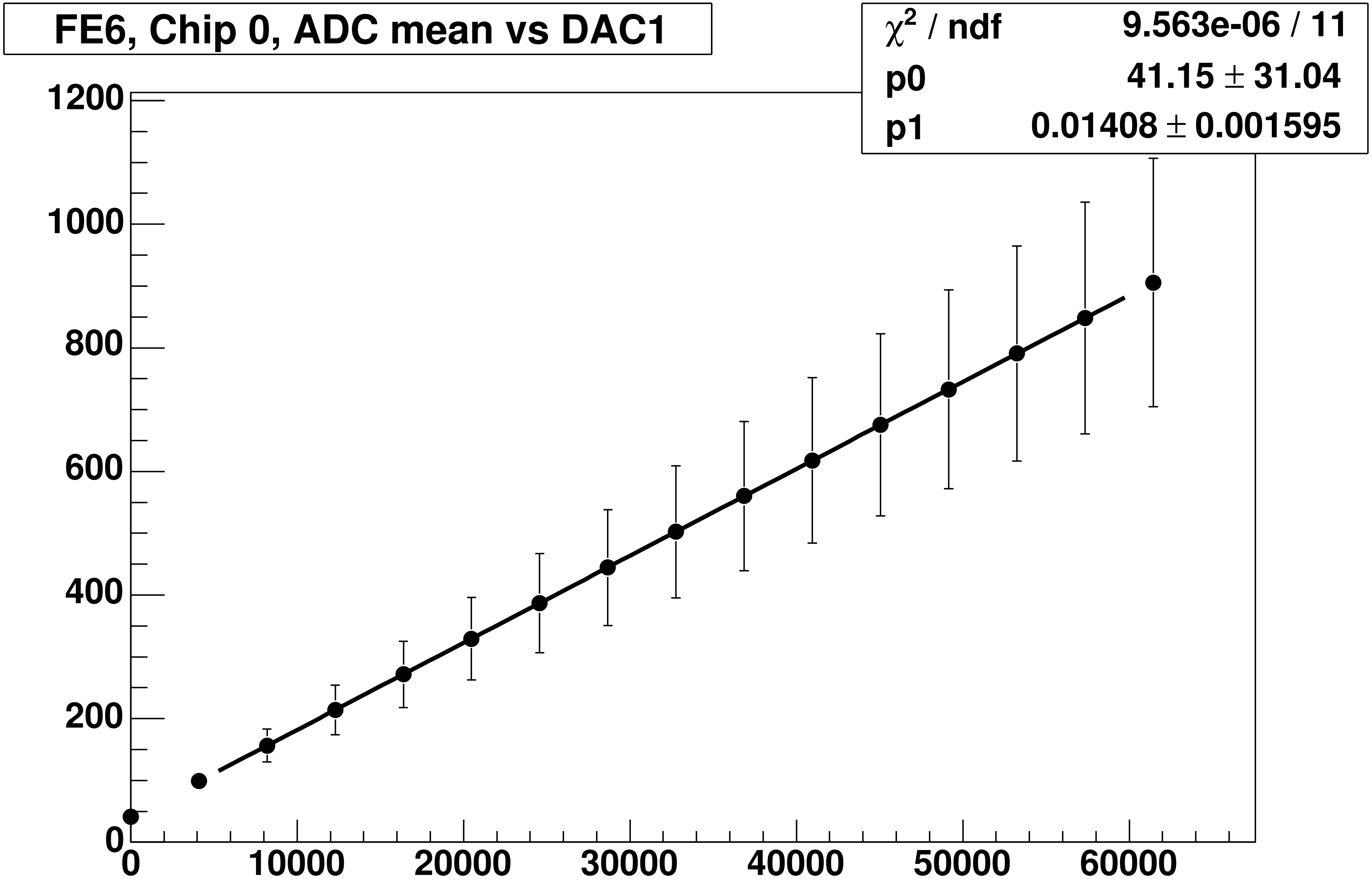

FE5, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001329 / 11
p0 40.68 ± 31.05
p1 0.4364 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

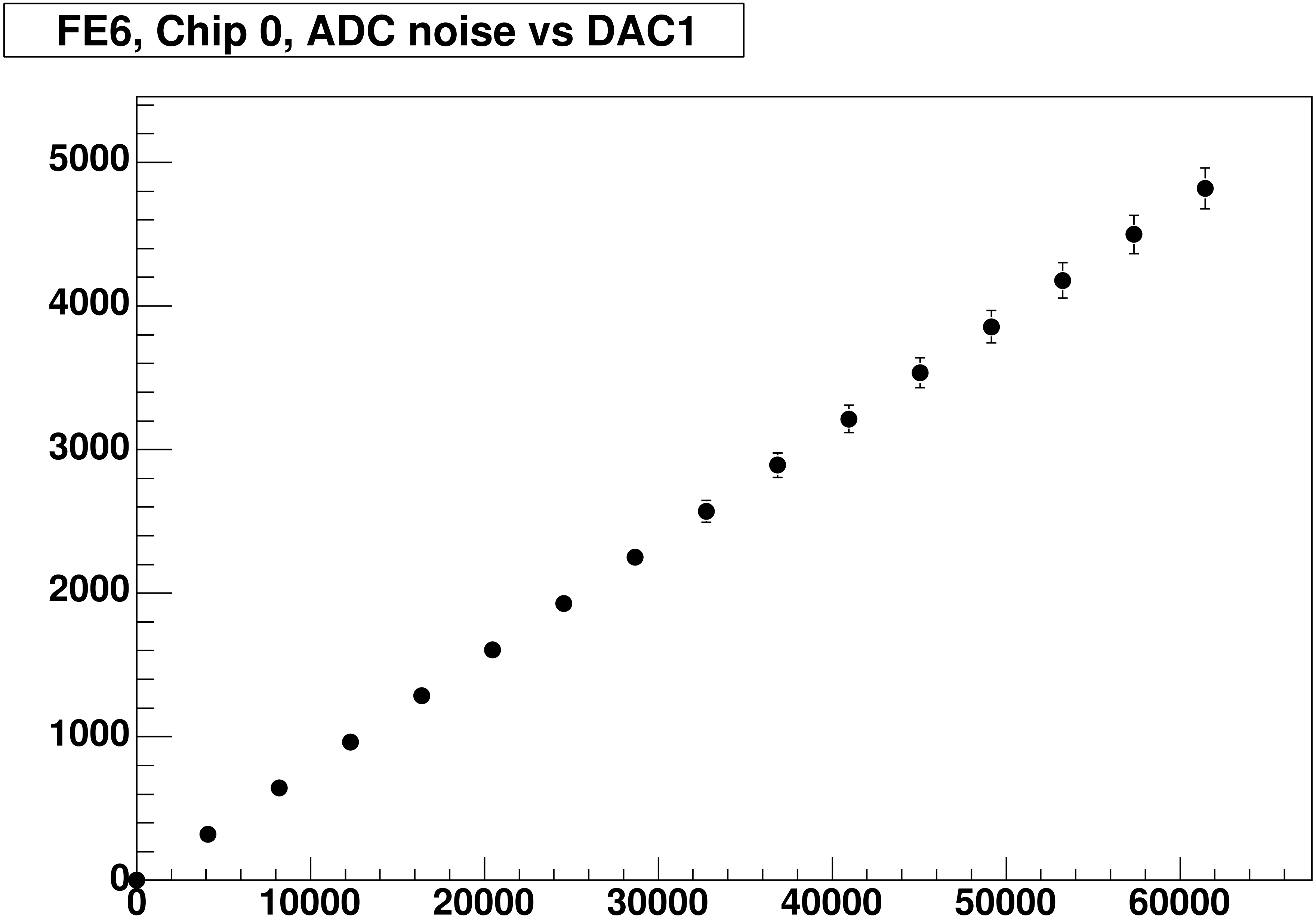

FE6, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

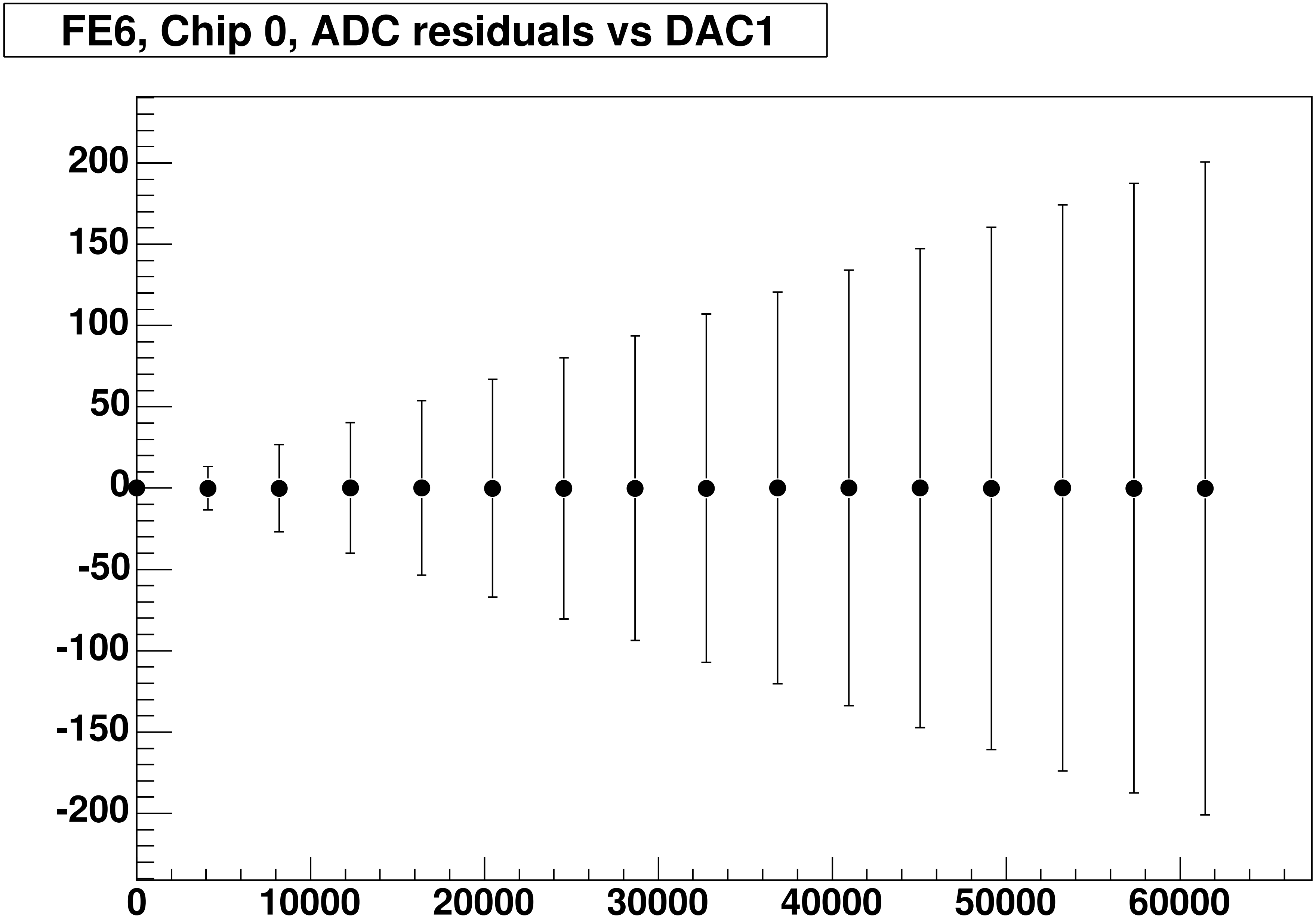
FE6, Chip 0, ADC residuals vs DAC0



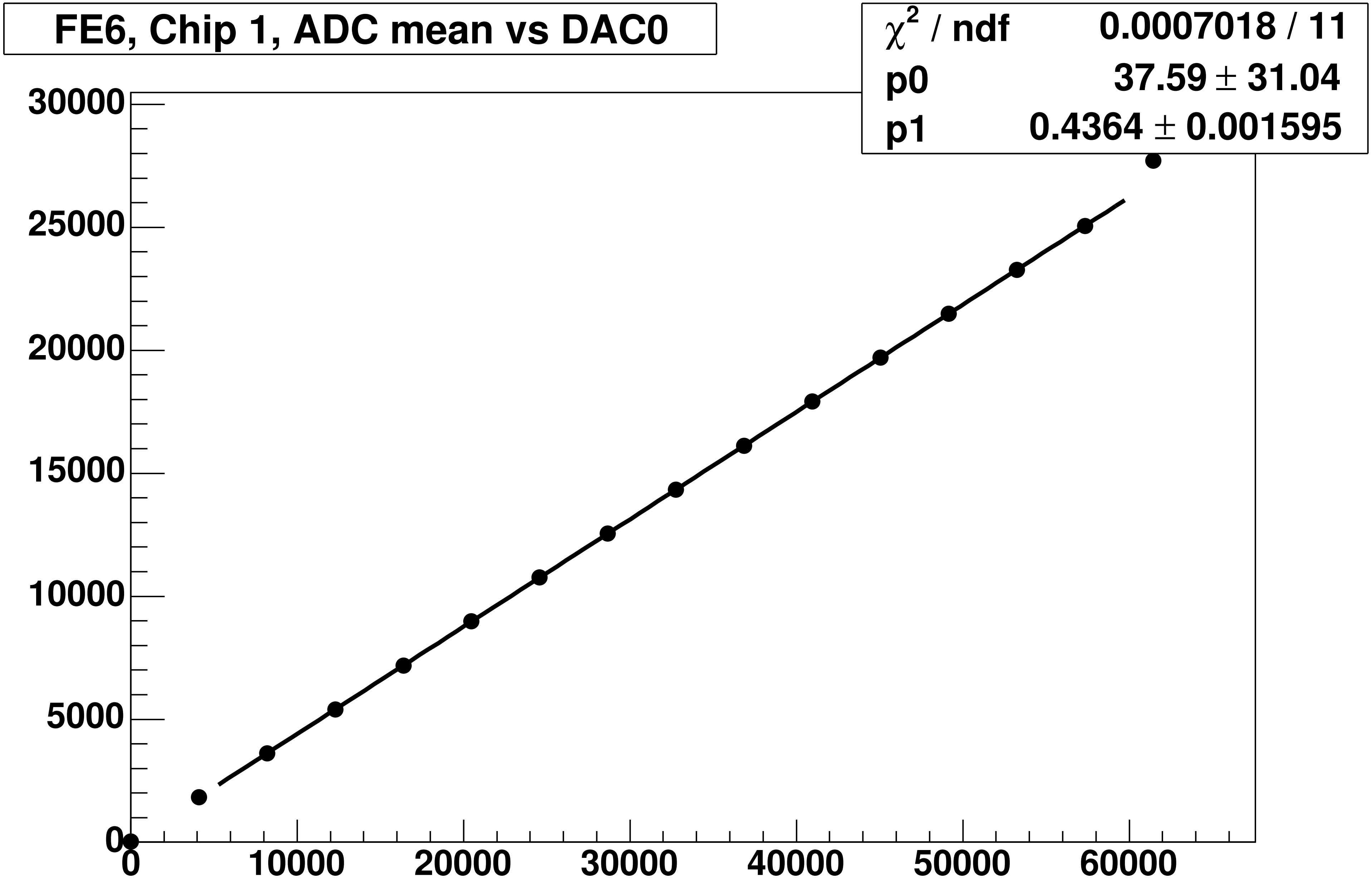


FE6, Chip 0, ADC mean vs DAC1
χ^2 / ndf 9.563e-06 / 11
p0 41.15 ± 31.04
p1 0.01408 ± 0.001595
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

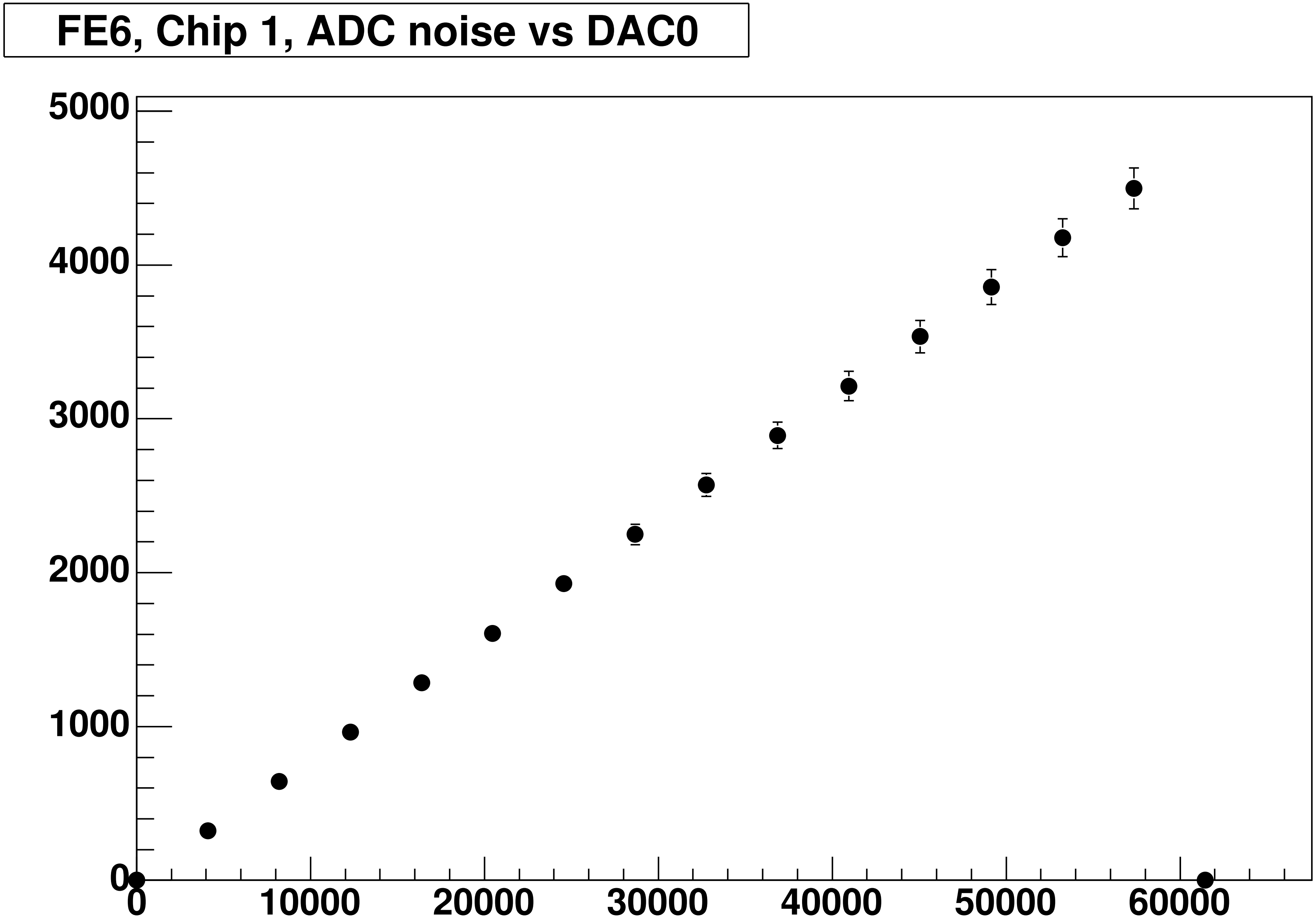

FE6, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

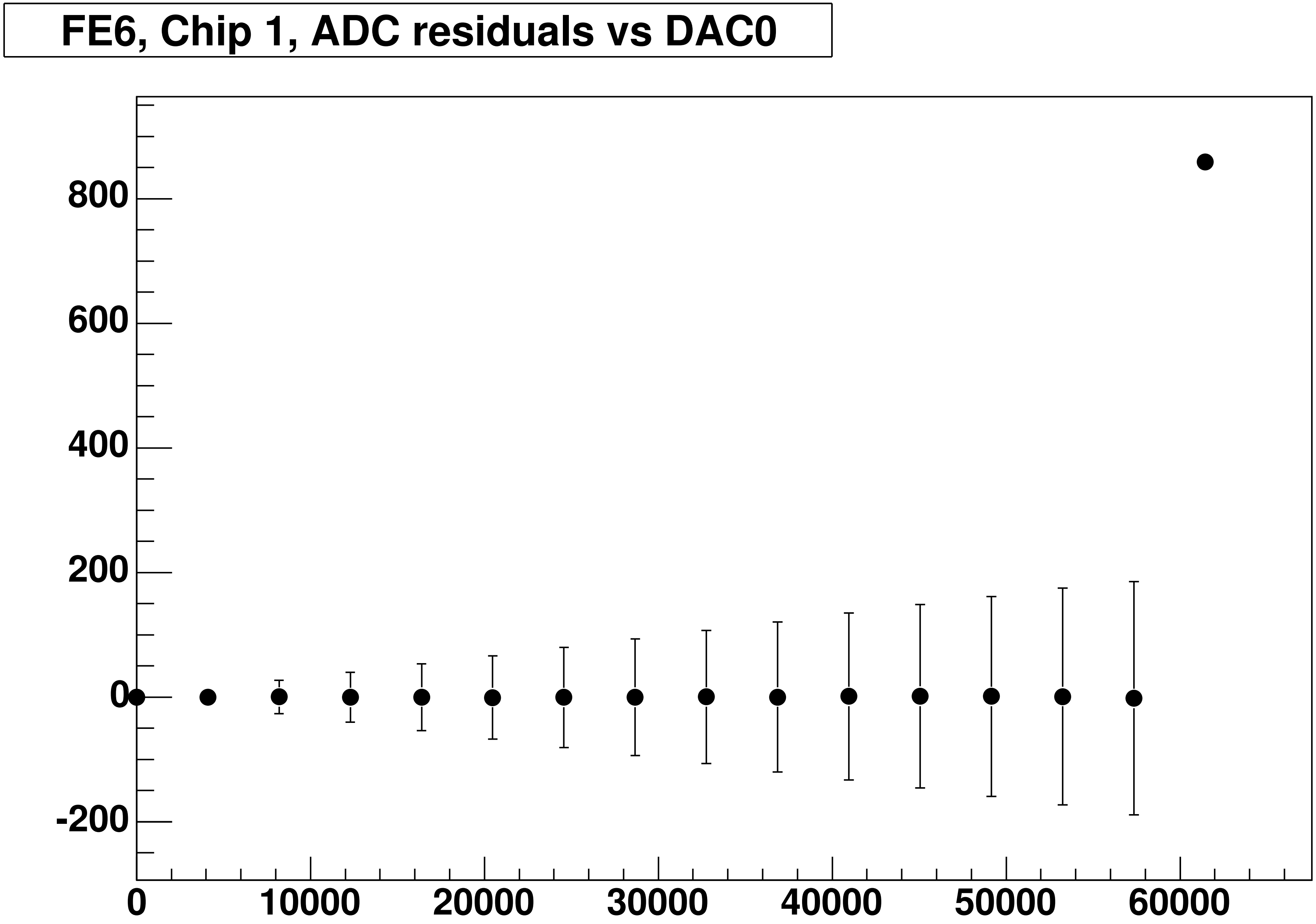


FE6, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

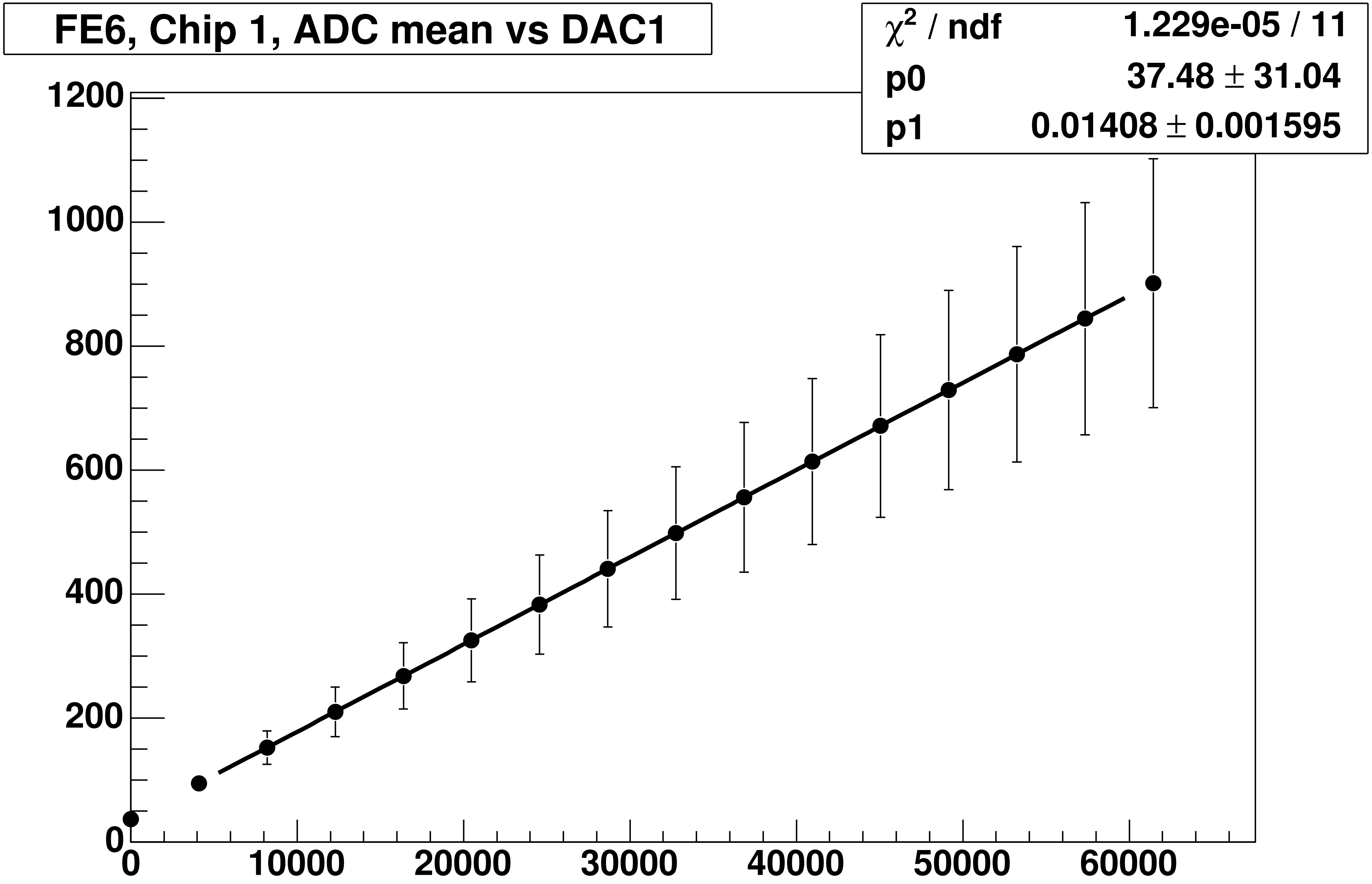


FE6, Chip 1, ADC mean vs DAC0
χ² / ndf 0.0007018 / 11
p0 37.59 ± 31.04
p1 0.4364 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

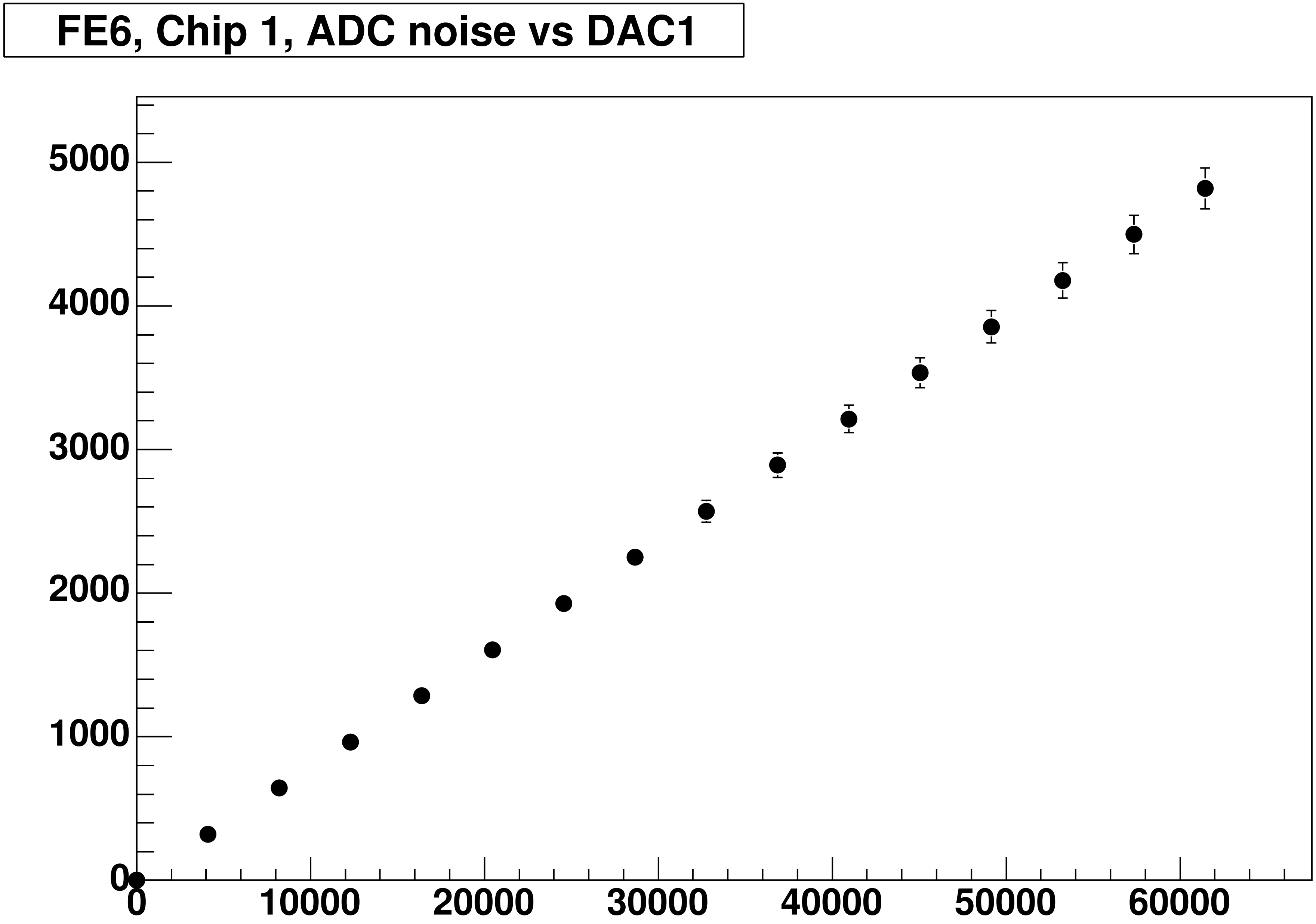

FE6, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

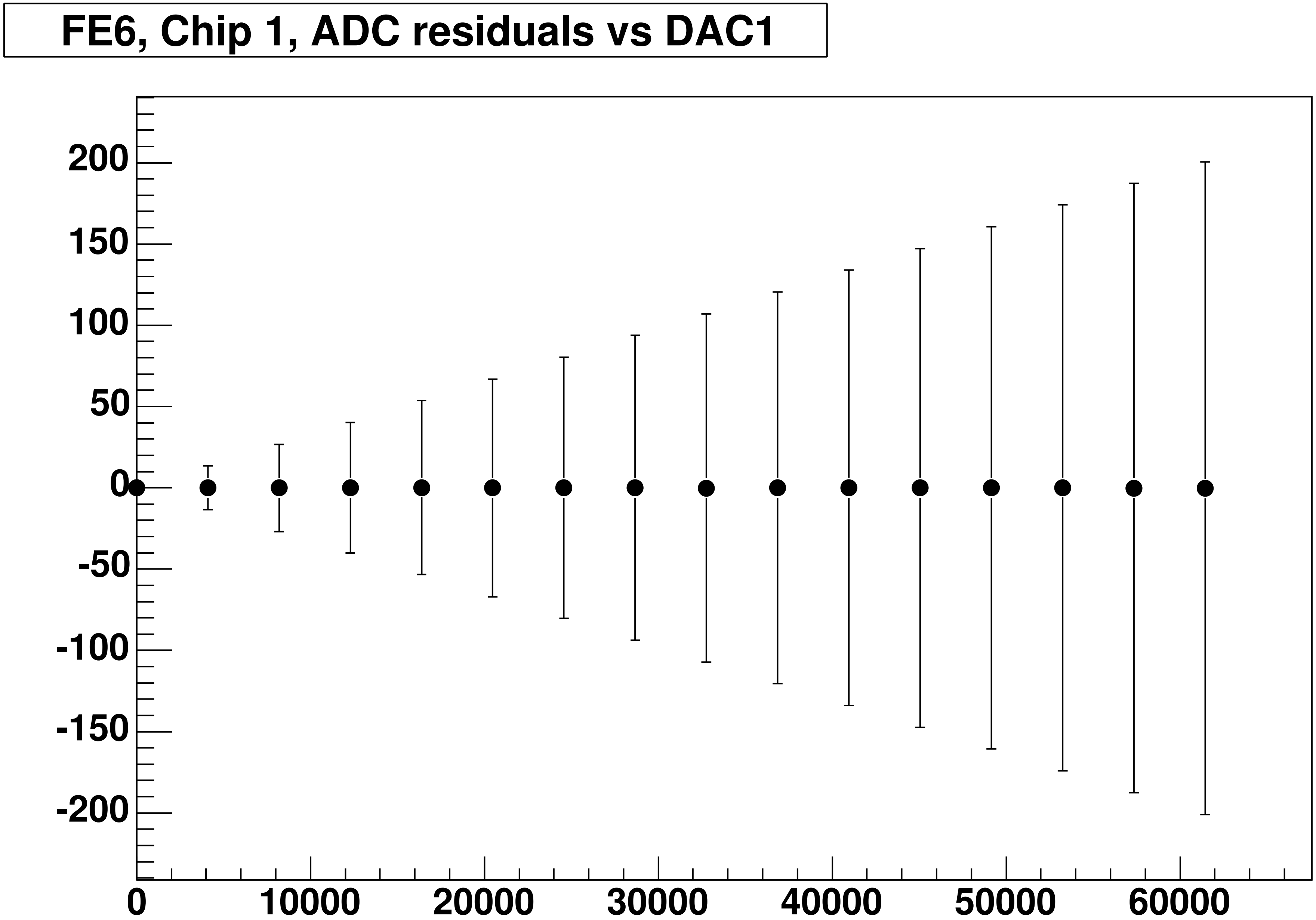


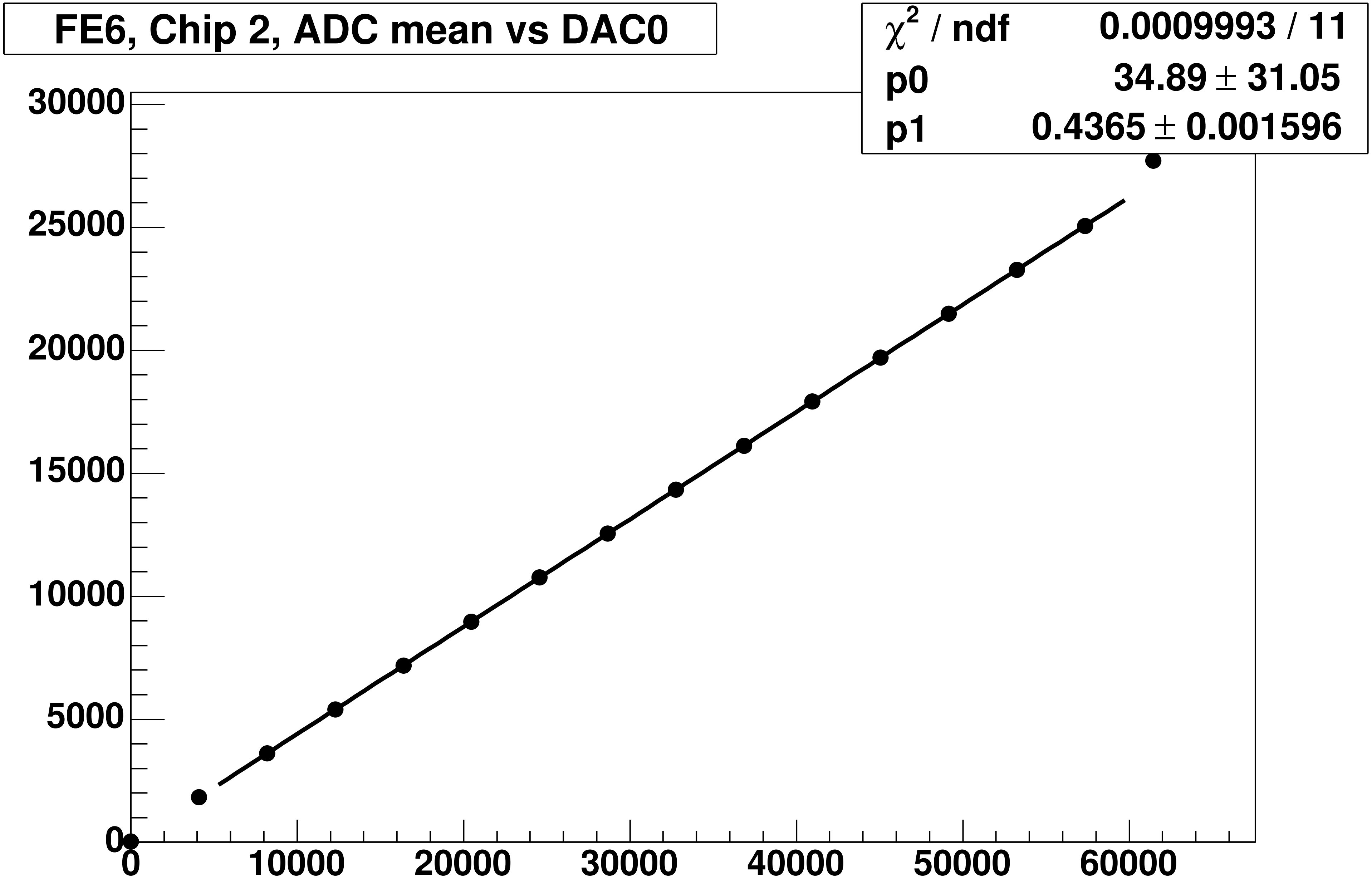
FE6, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

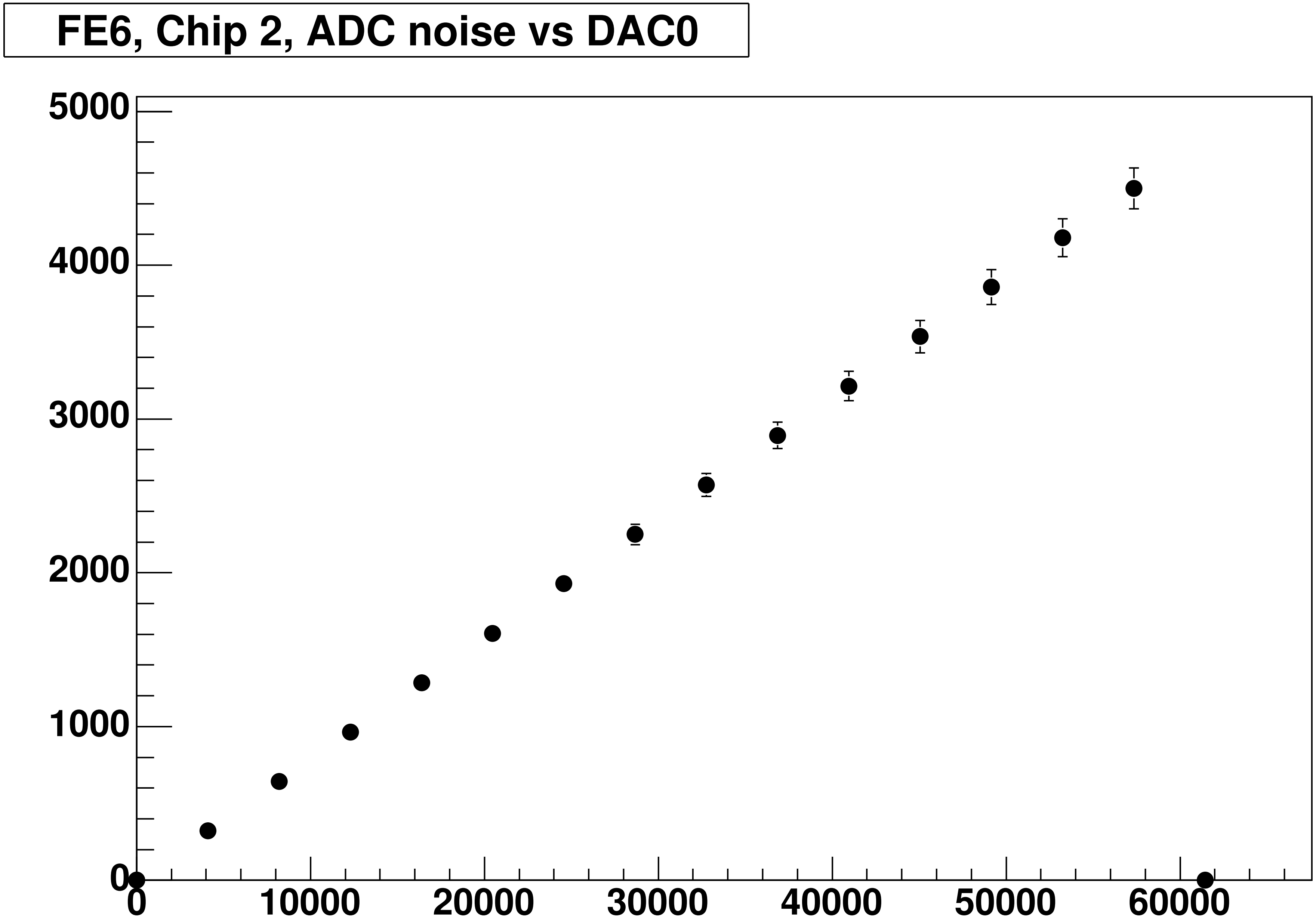


FE6, Chip 1, ADC mean vs DAC1
χ^2 / ndf 1.229e-05 / 11
p0 37.48 ± 31.04
p1 0.01408 ± 0.001595
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

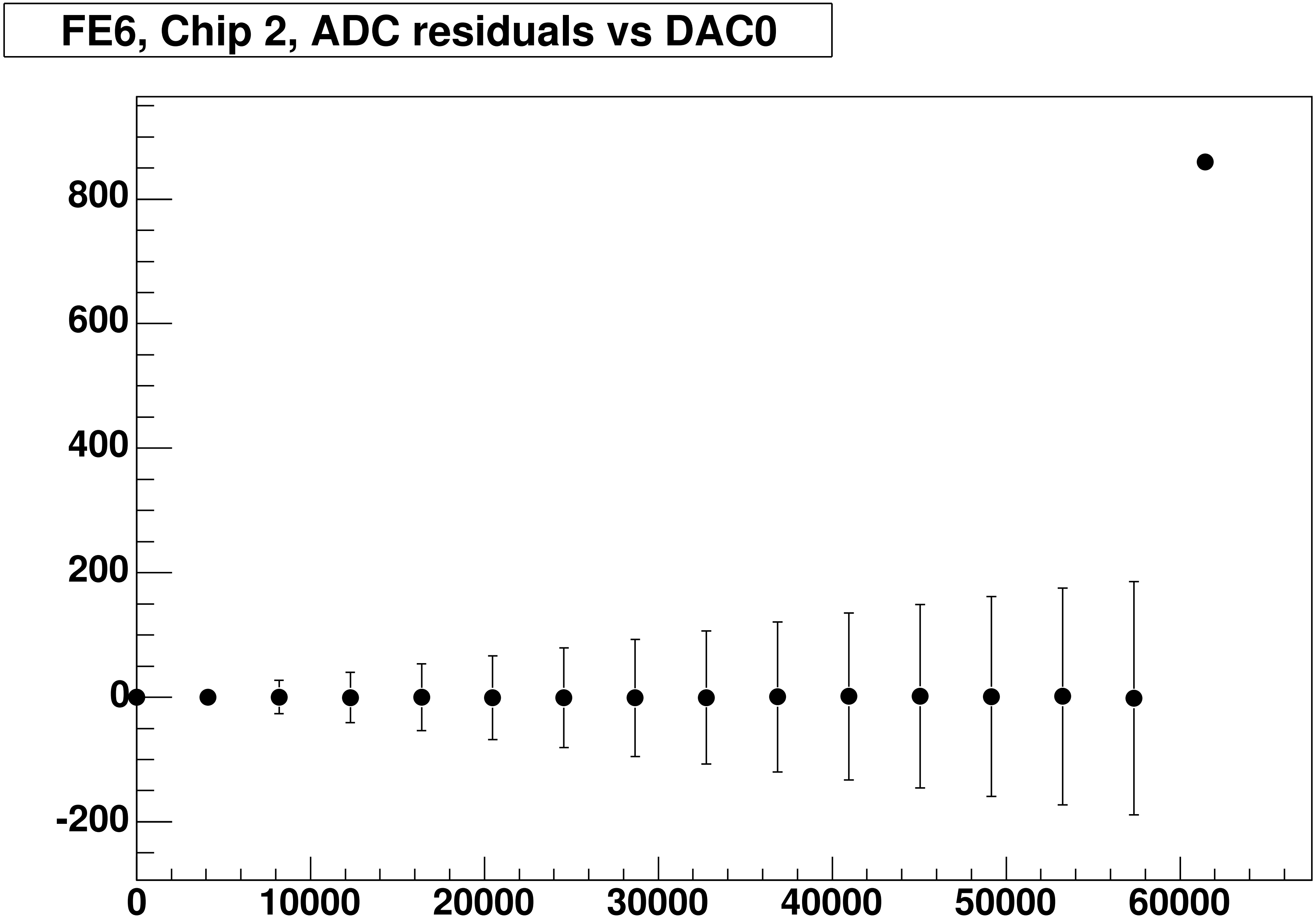

FE6, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

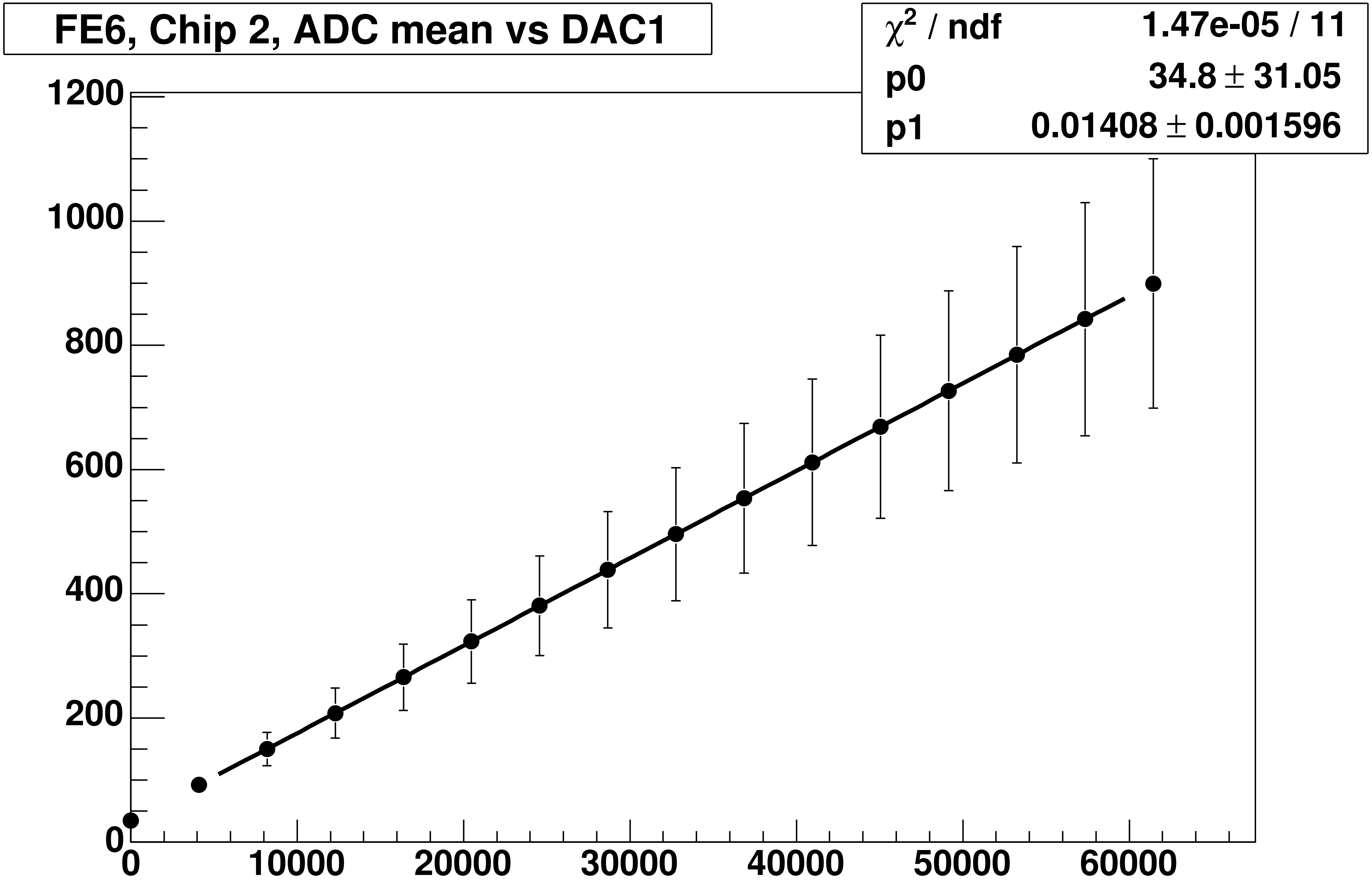

FE6, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.0009993 / 11
p0 34.89 ± 31.05
p1 0.4365 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

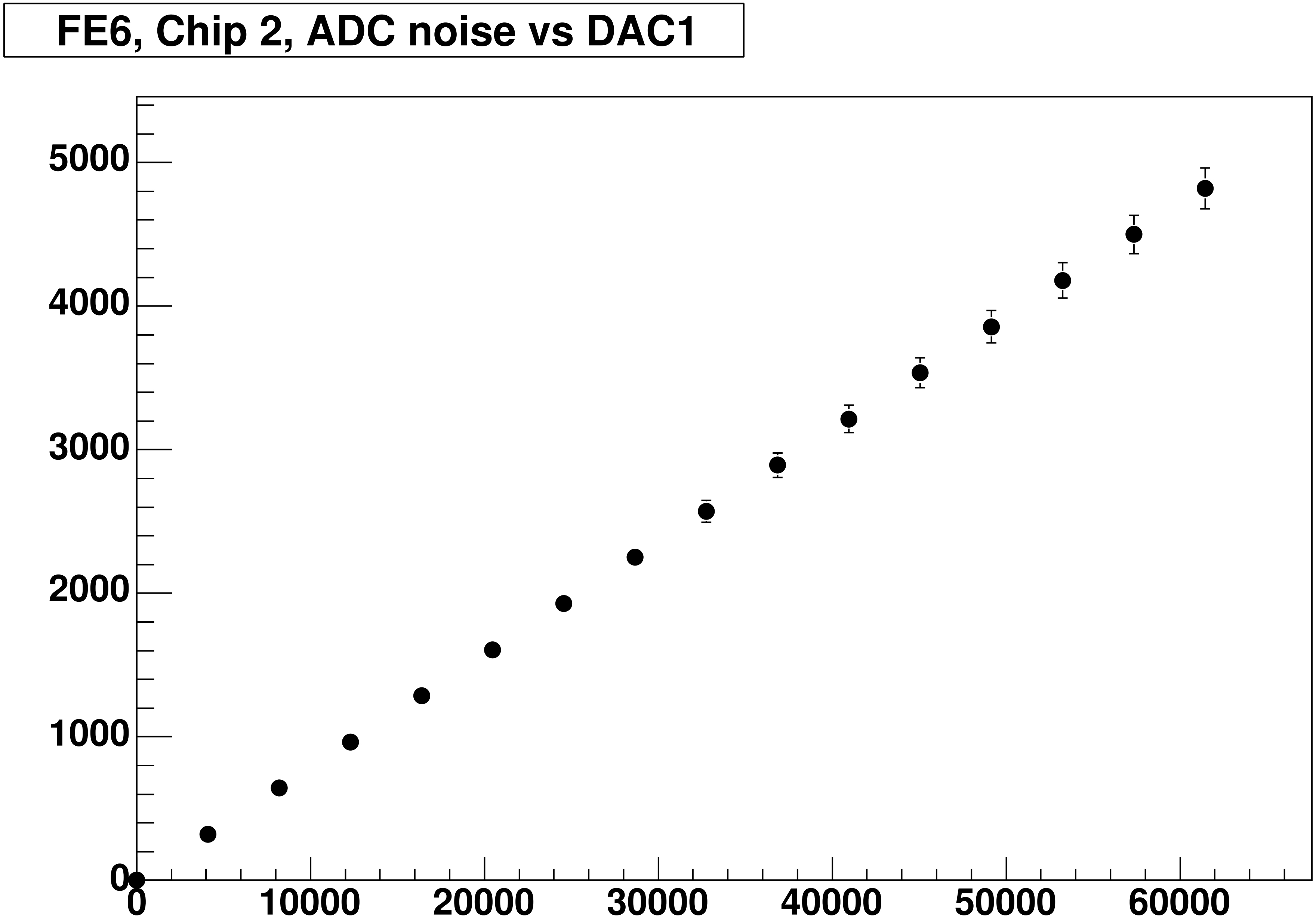


FE6, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

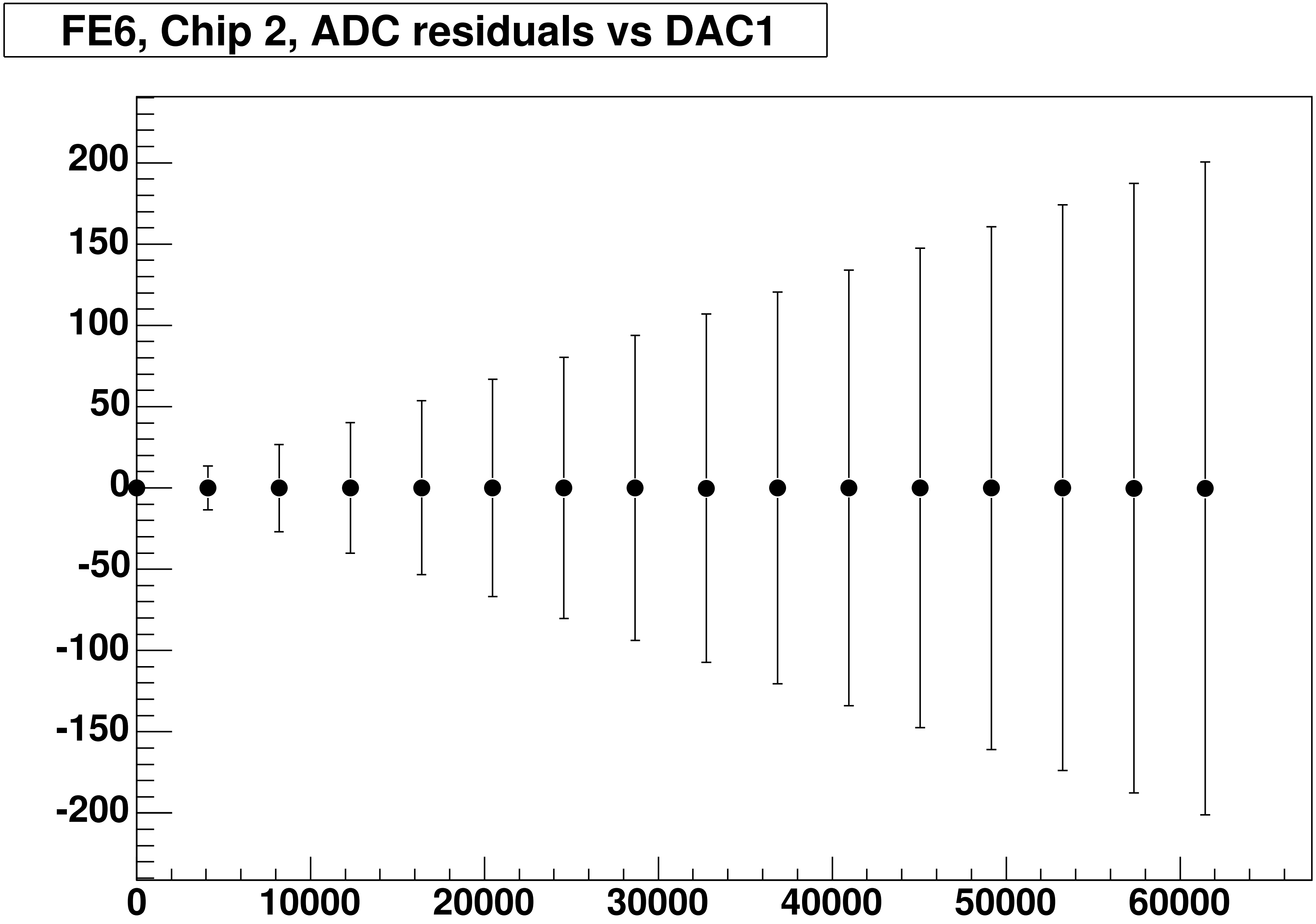


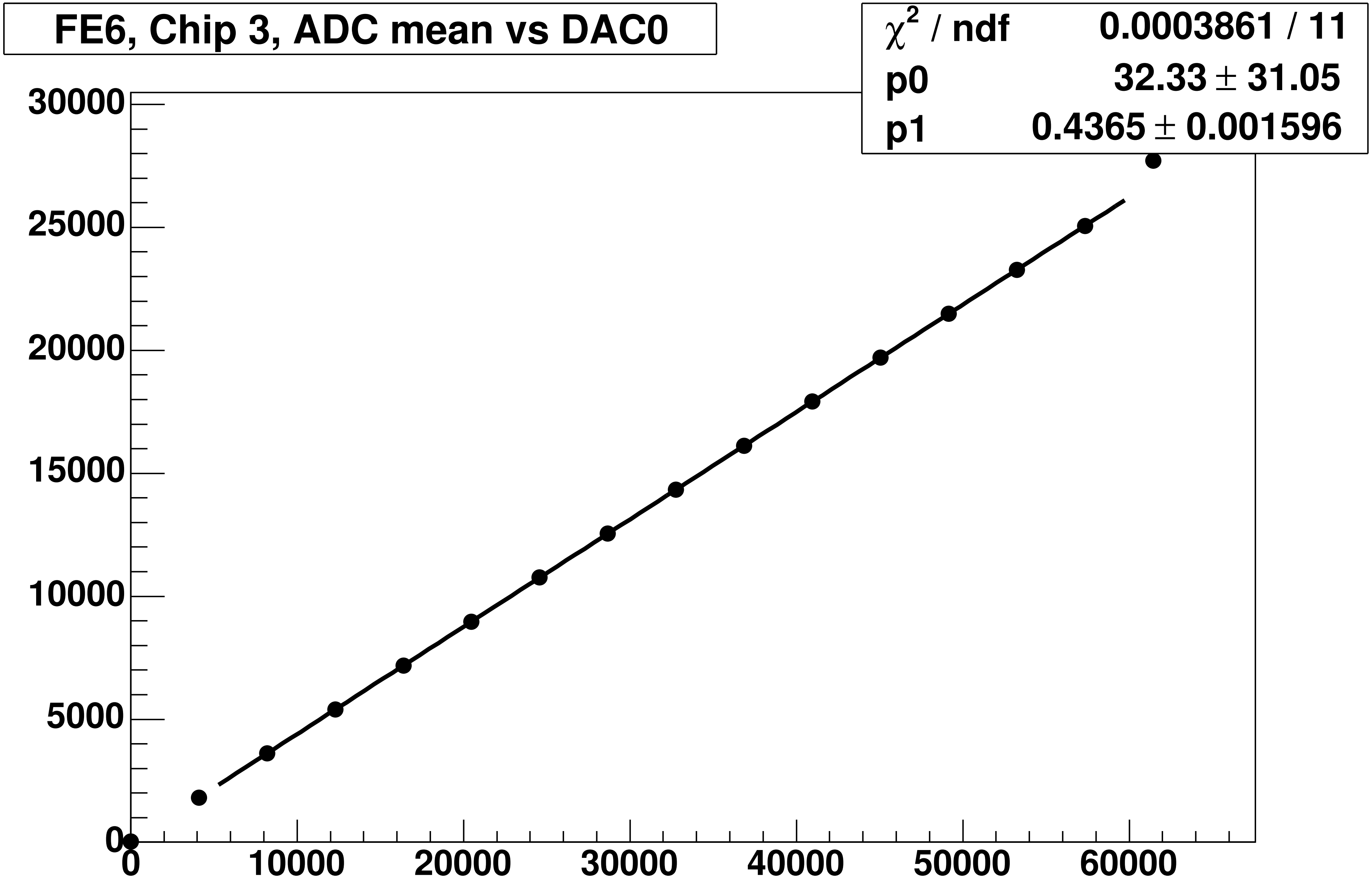
FE6, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

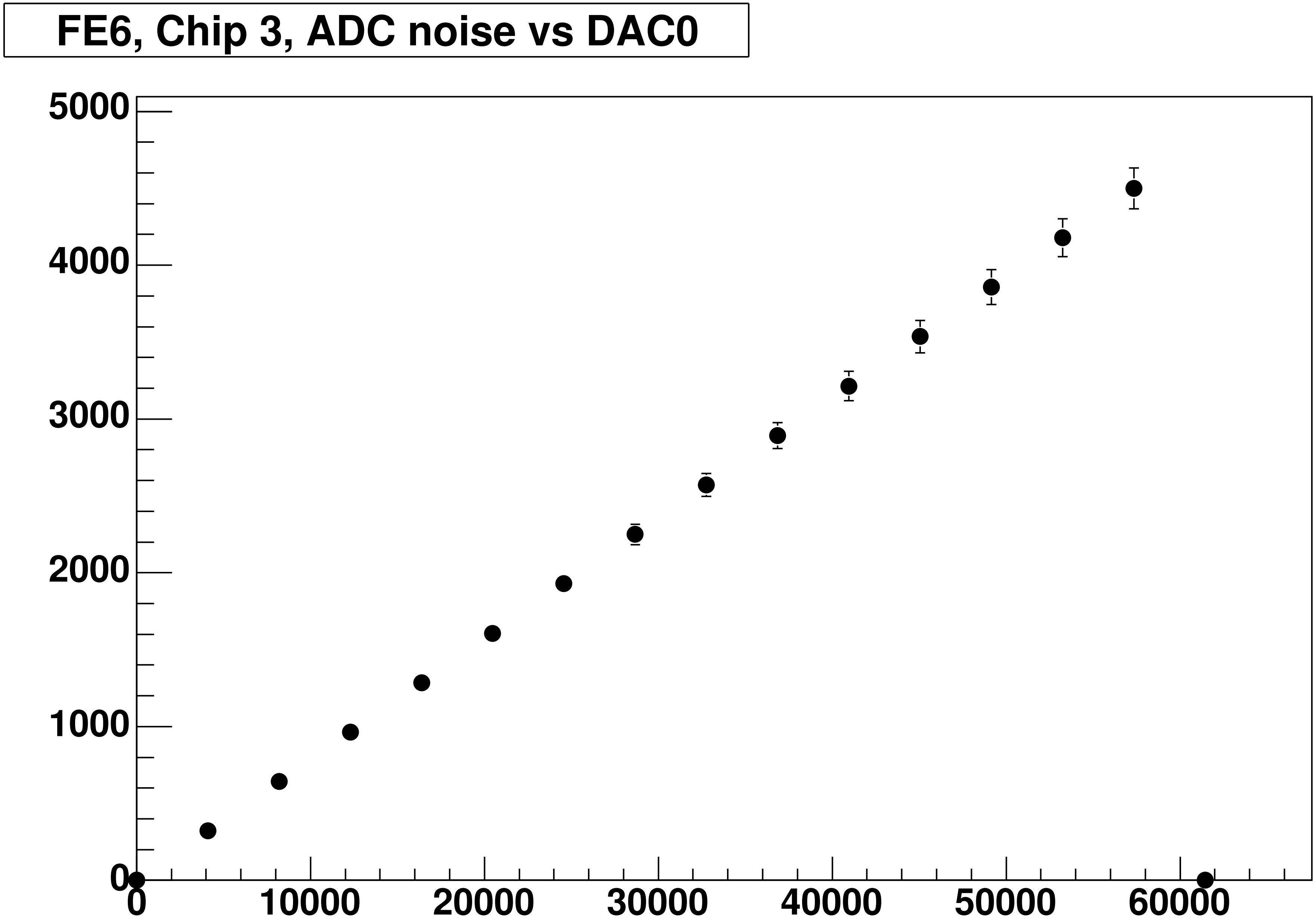

FE6, Chip 2, ADC mean vs DAC1
χ2 / ndf 1.47e-05 / 11
p0 34.8 ± 31.05
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000



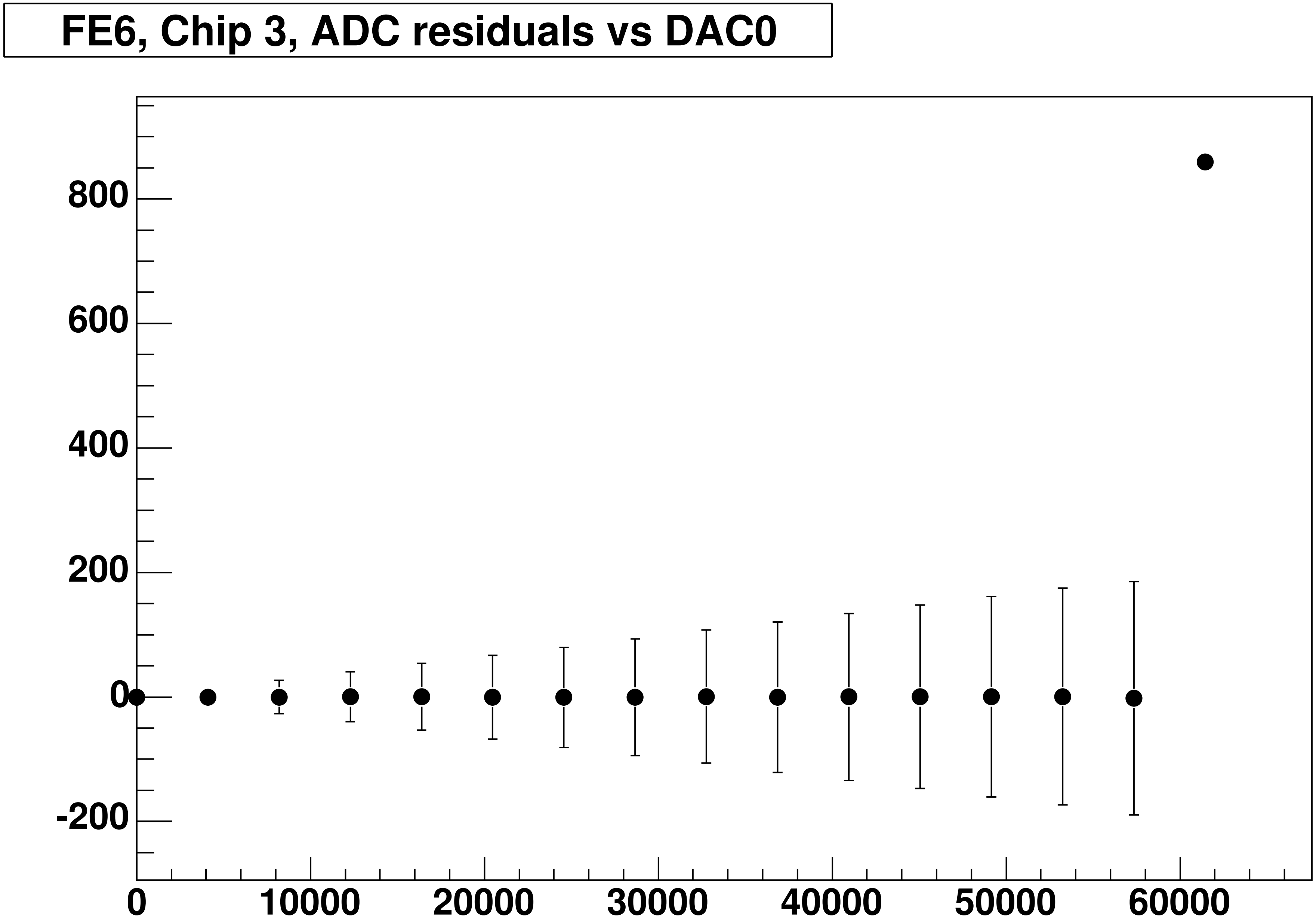
FE6, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

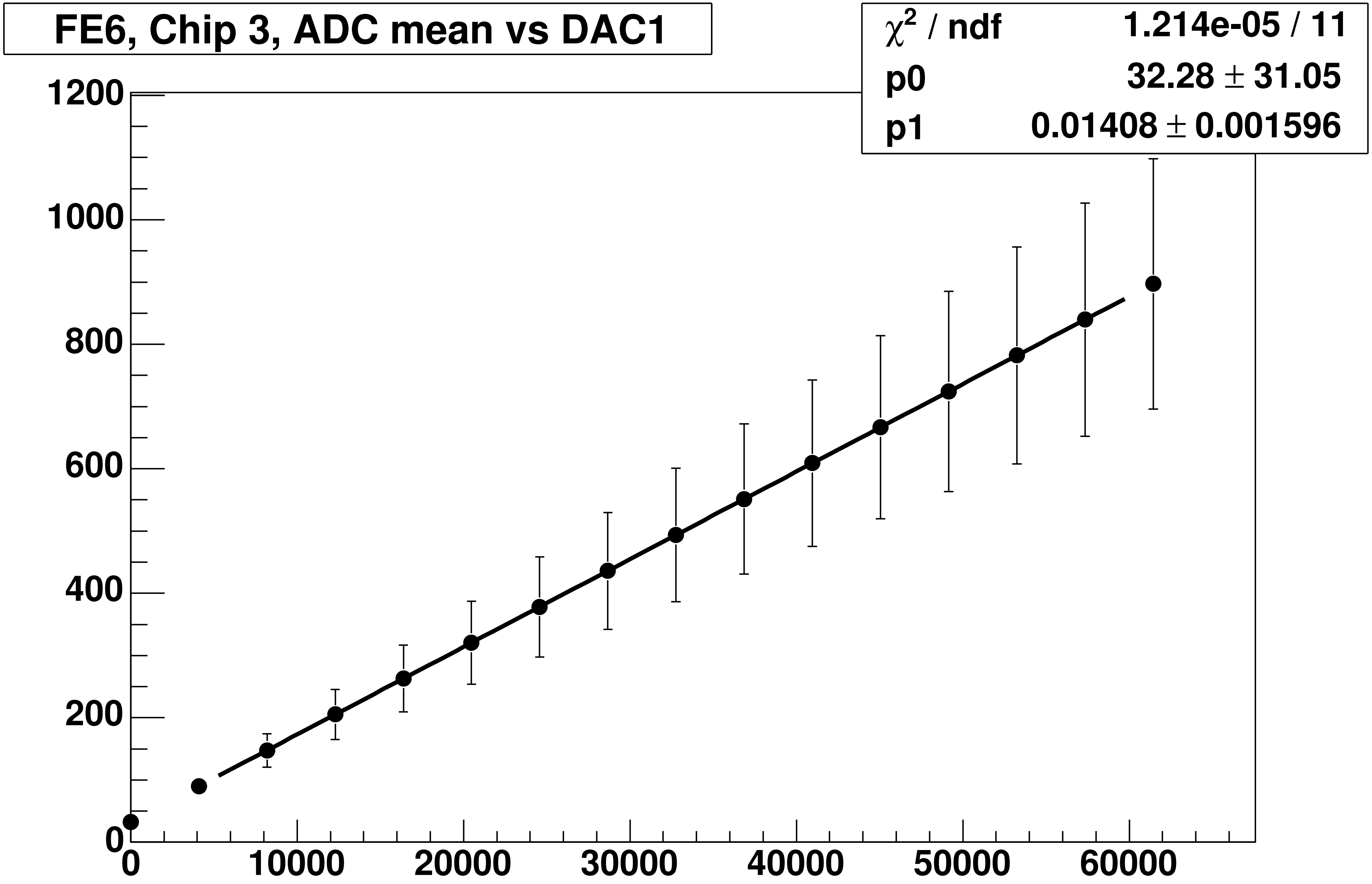

FE6, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.0003861 / 11
p0 32.33 ± 31.05
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

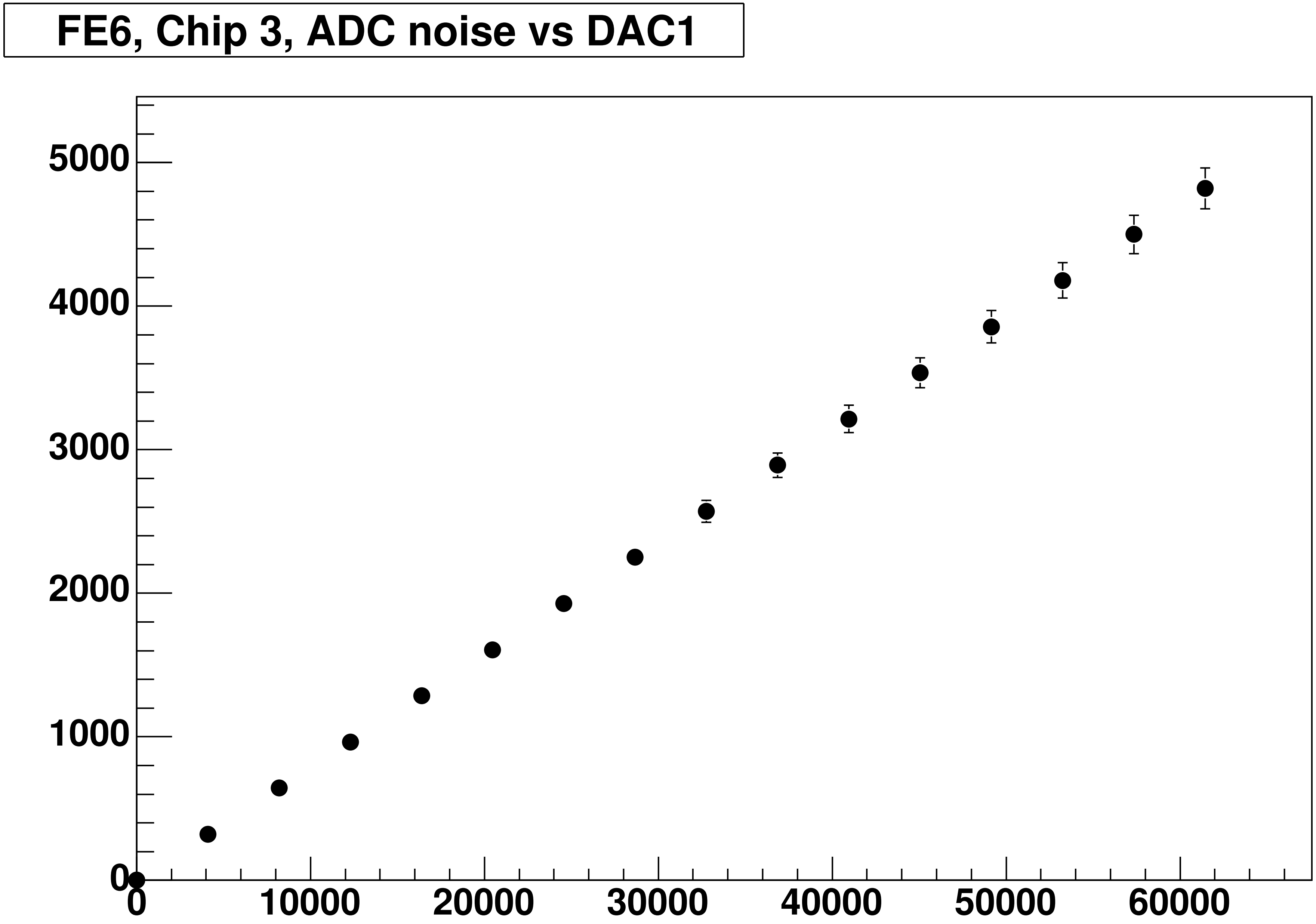


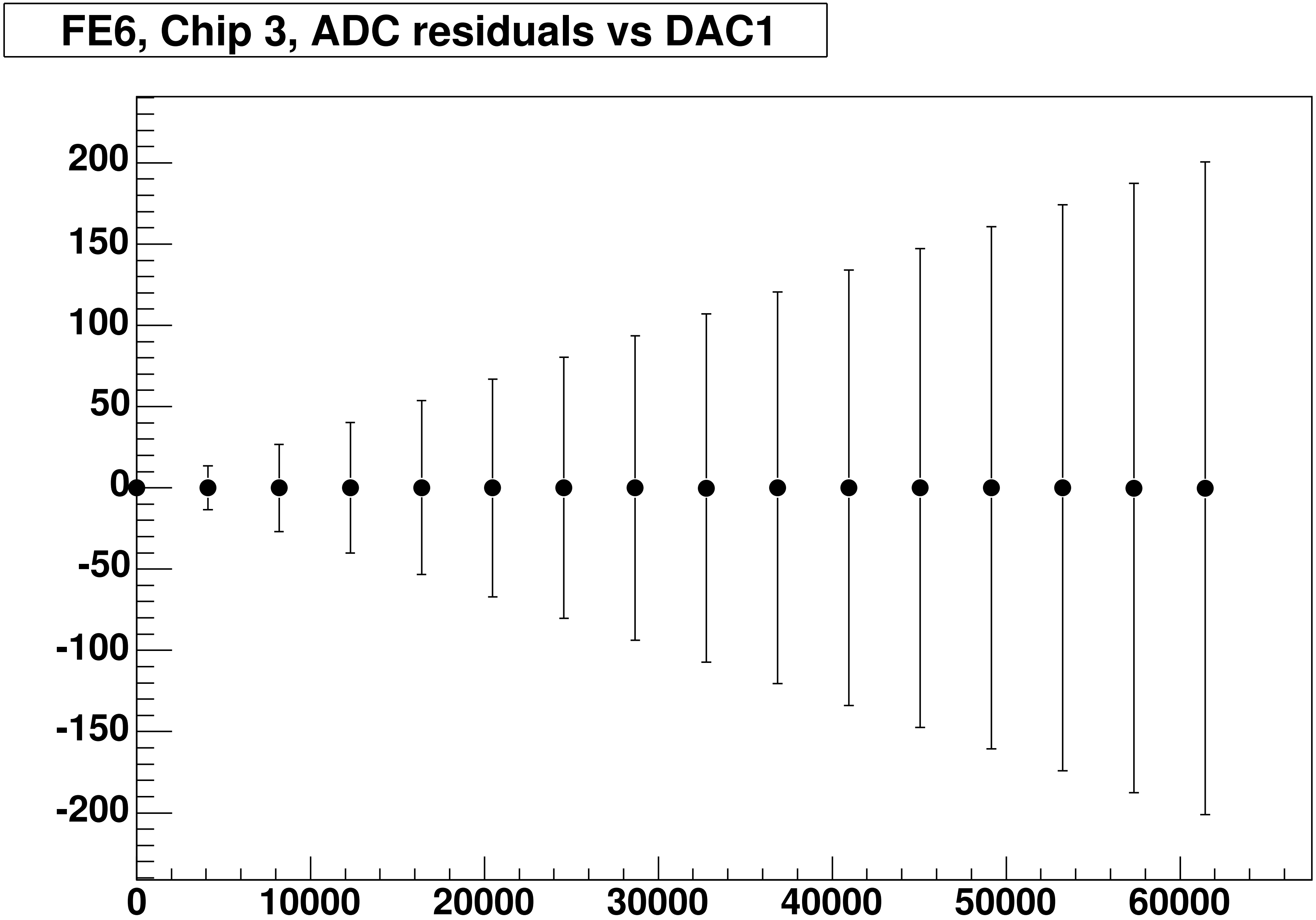
FE6, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

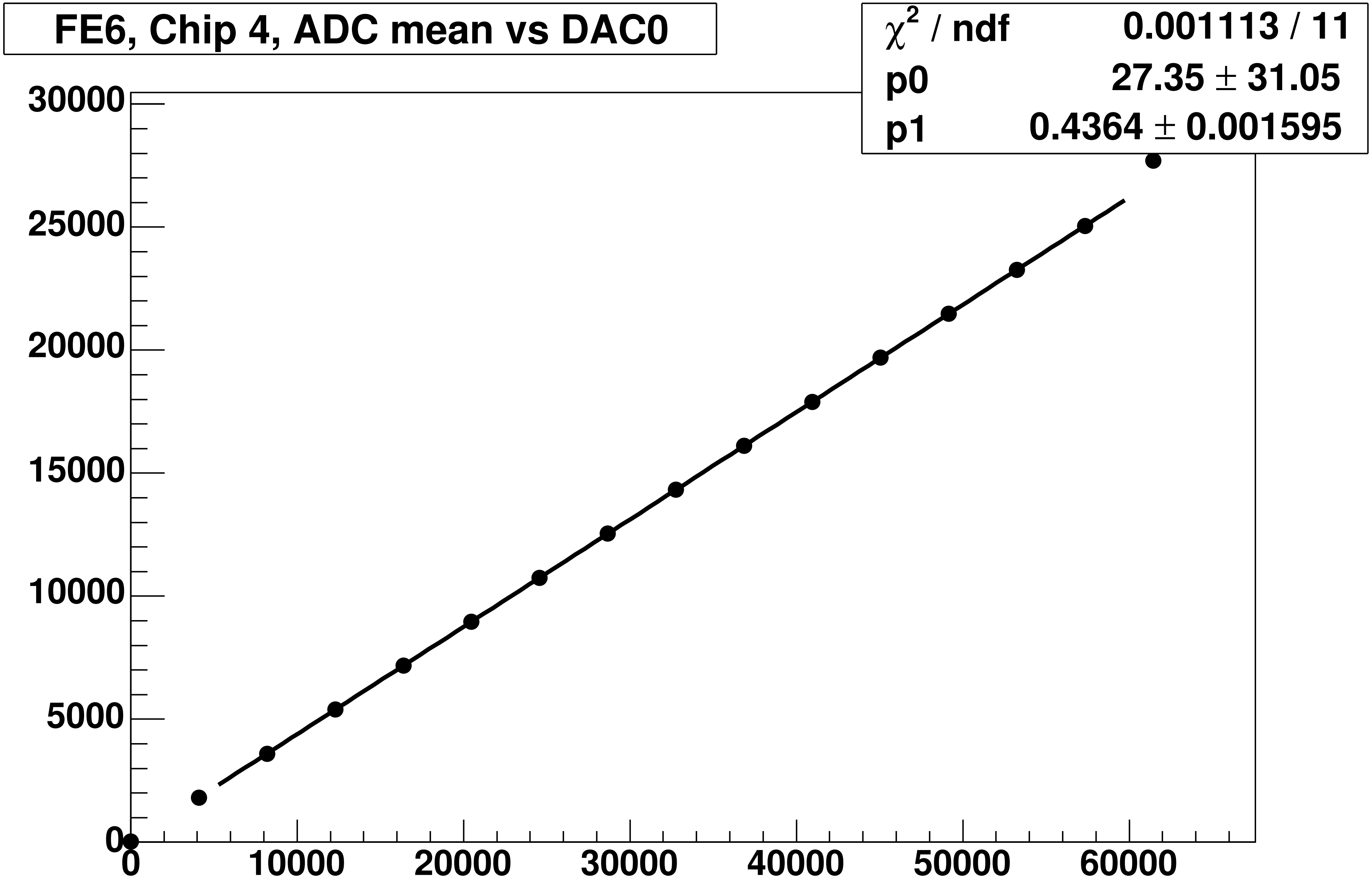

FE6, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



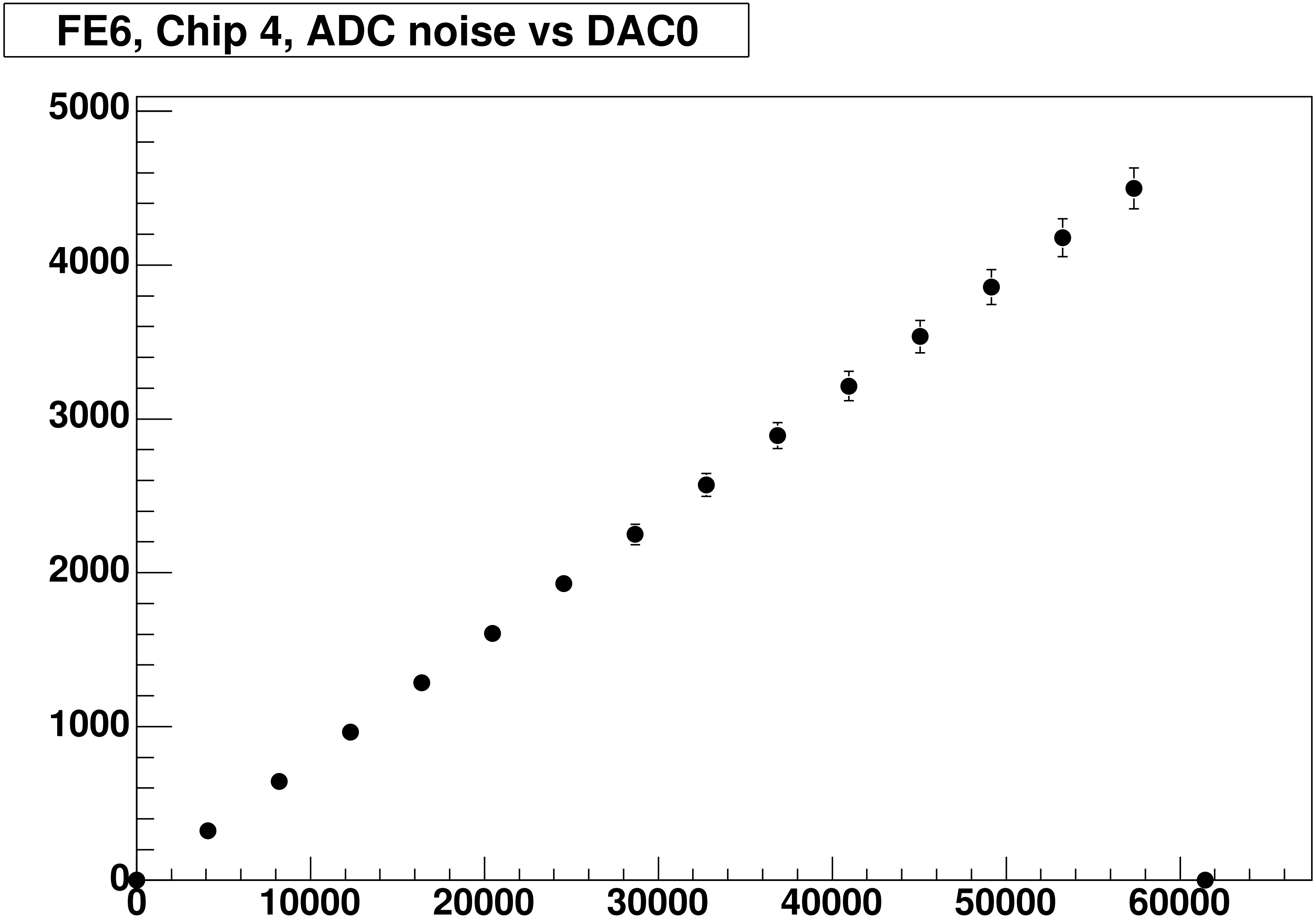
FE6, Chip 3, ADC mean vs DAC1
χ^2 / ndf 1.214e-05 / 11
p0 32.28 ± 31.05
p1 0.01408 ± 0.001596
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

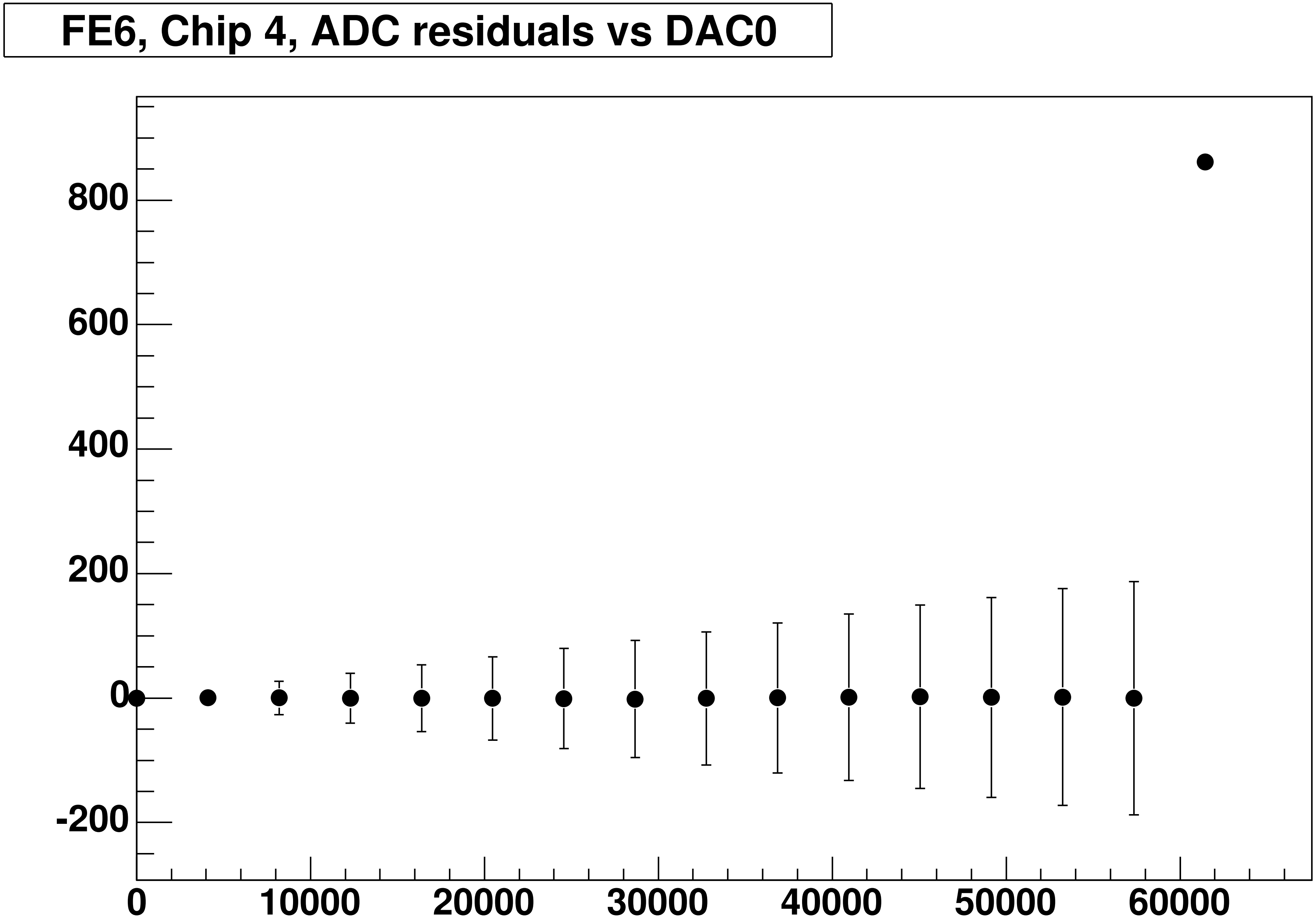

FE6, Chip 3, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

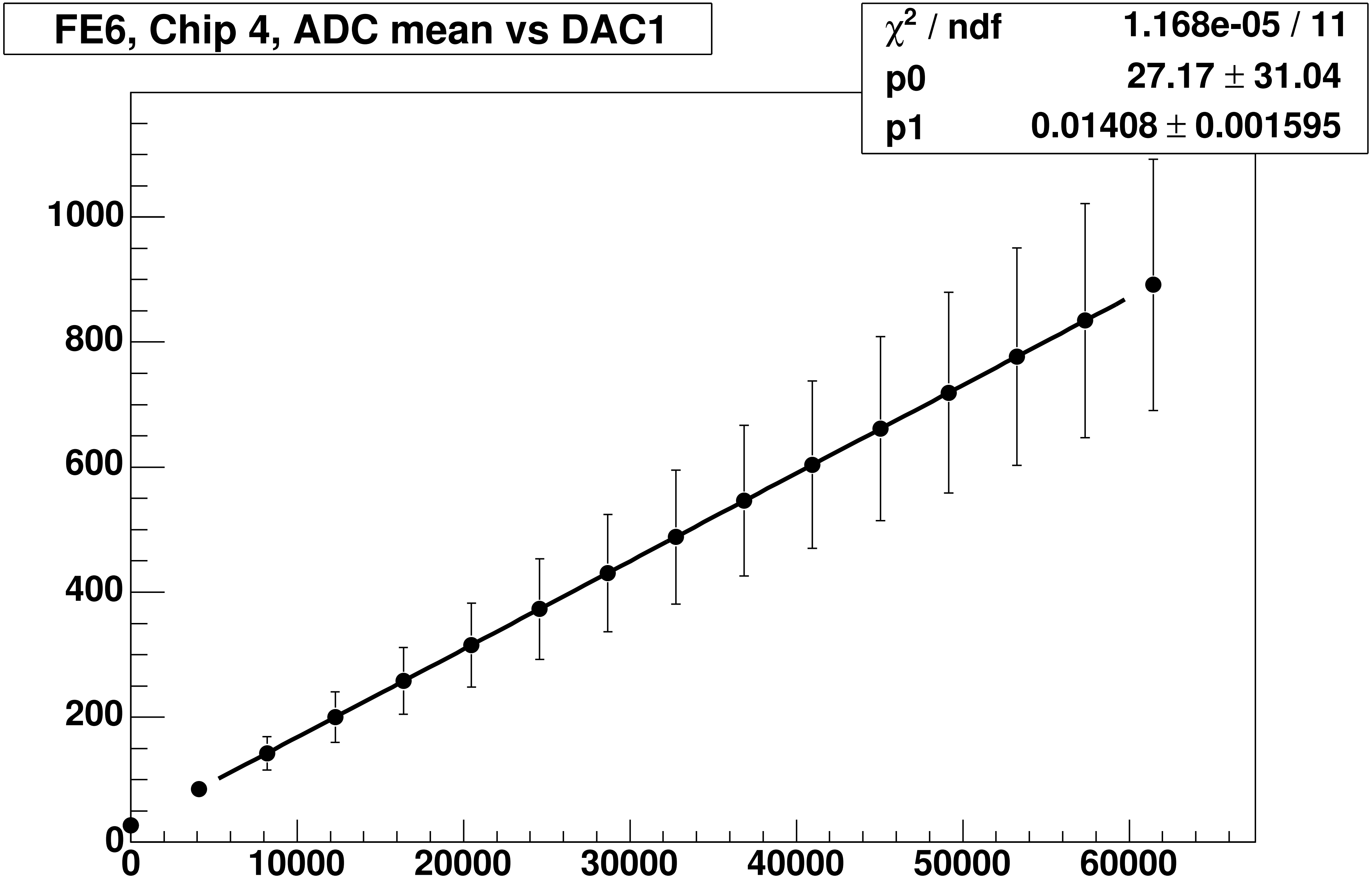


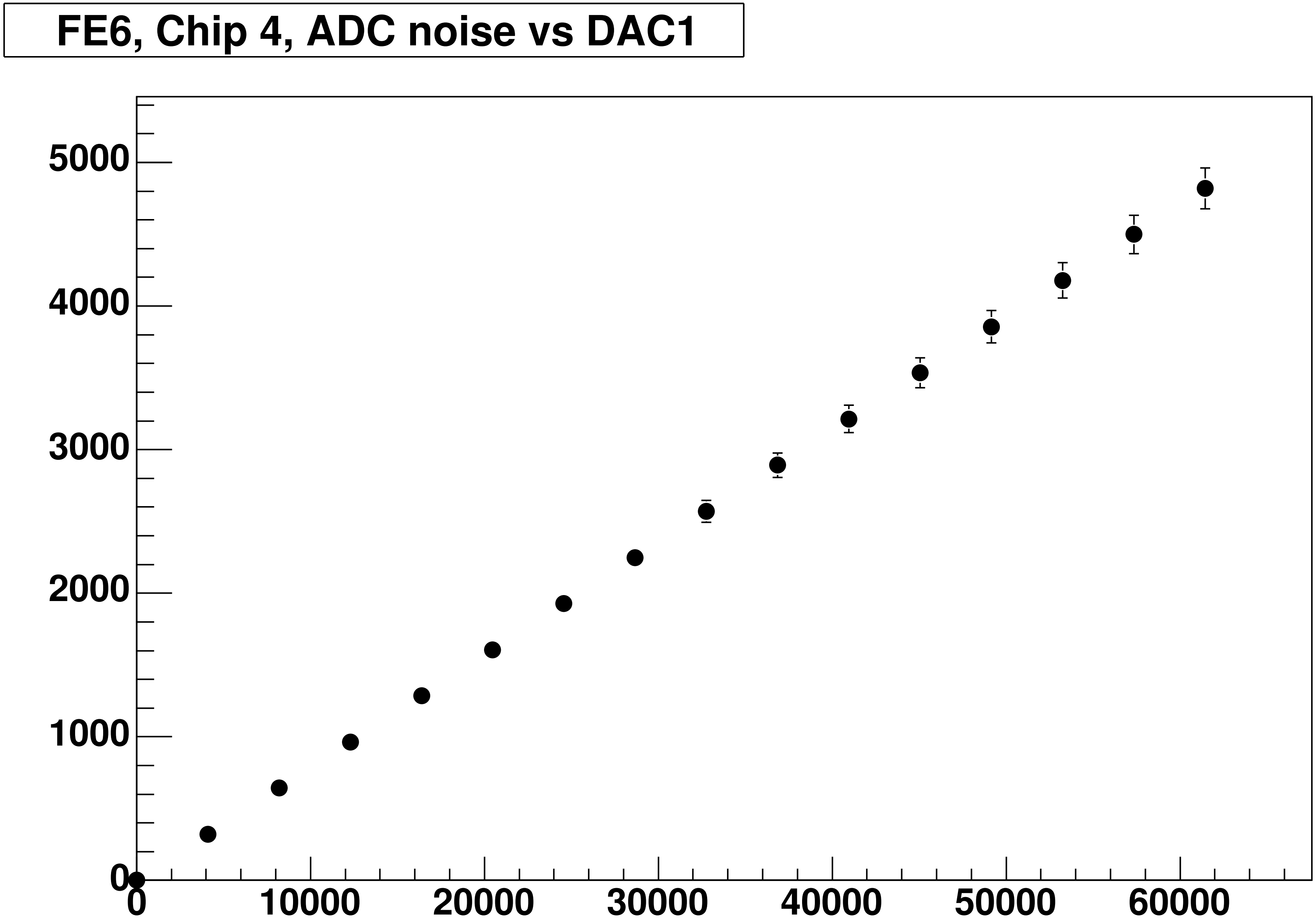
FE6, Chip 4, ADC mean vs DAC0
χ² / ndf 0.001113 / 11
p0 27.35 ± 31.05
p1 0.4364 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

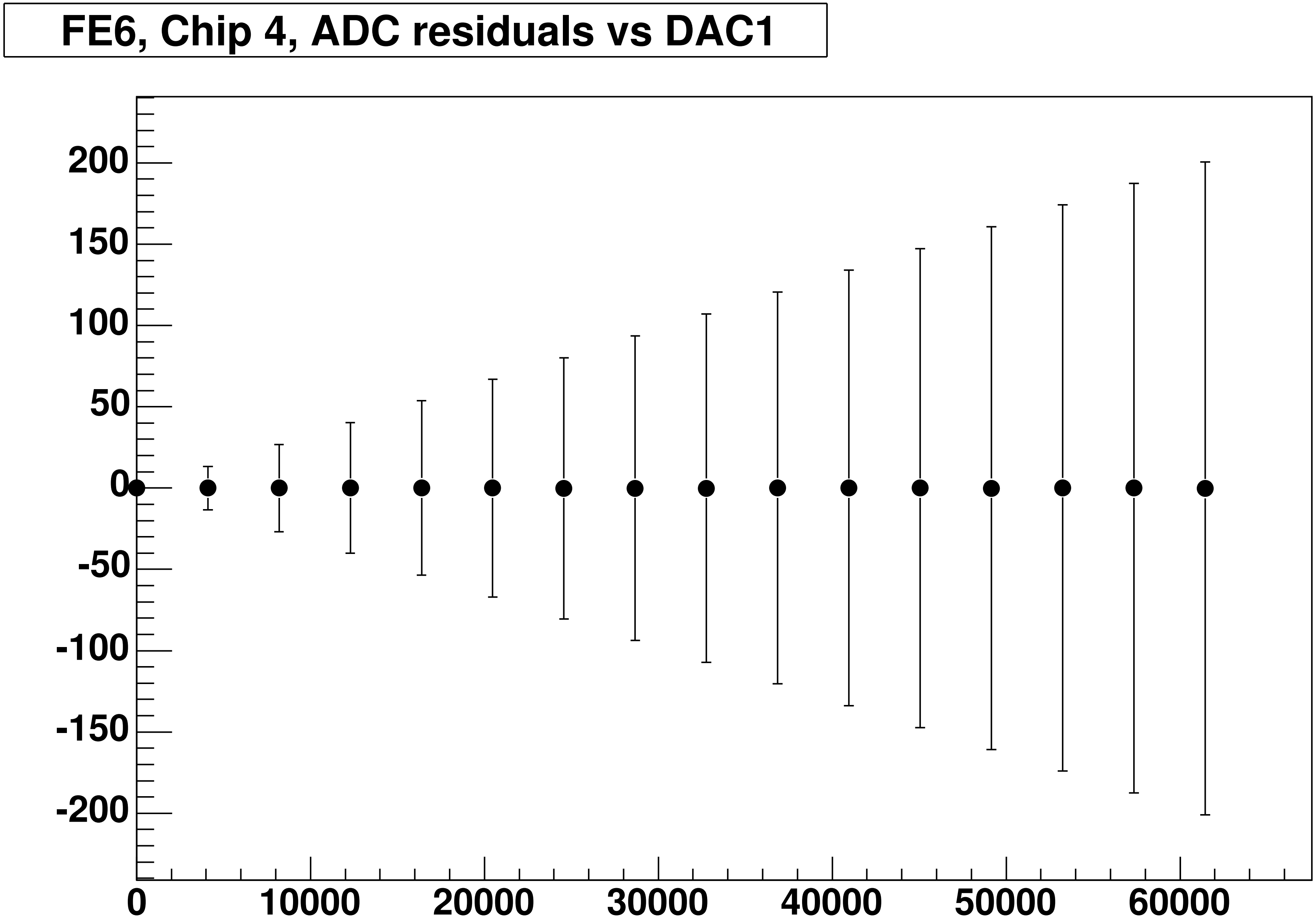

FE6, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

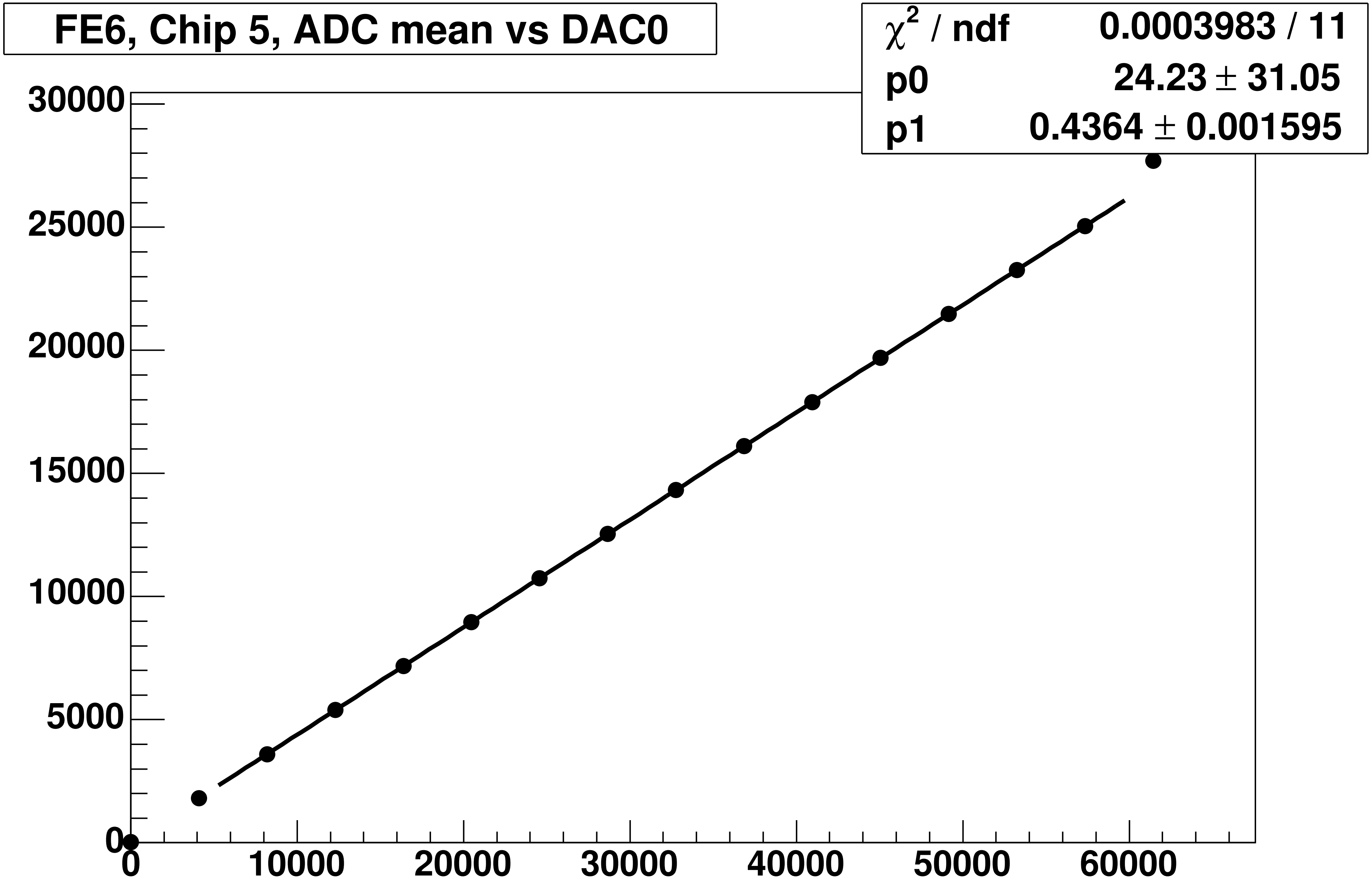


FE6, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

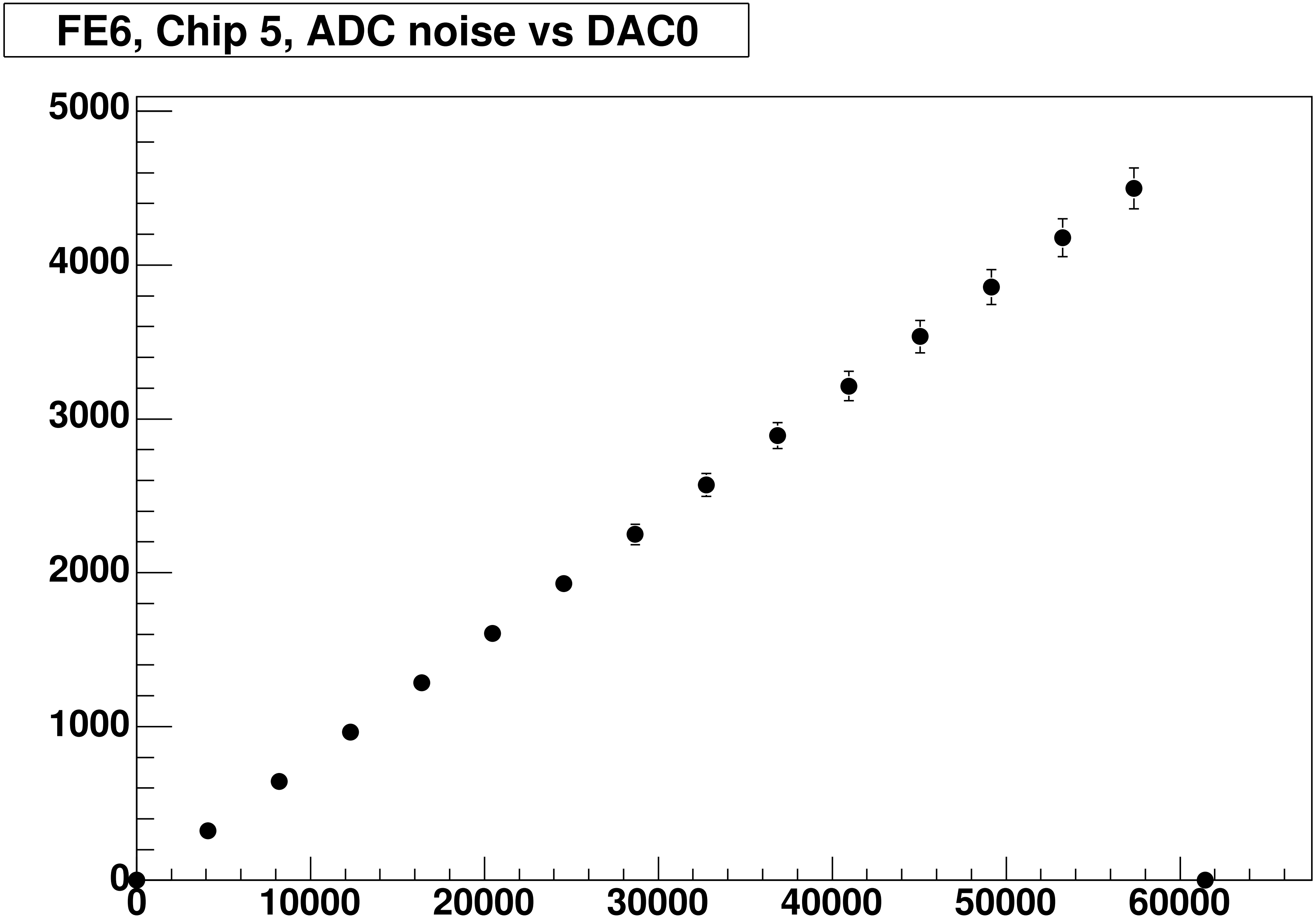

FE6, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.168e-05 / 11
p0 27.17 ± 31.04
p1 0.01408 ± 0.001595
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

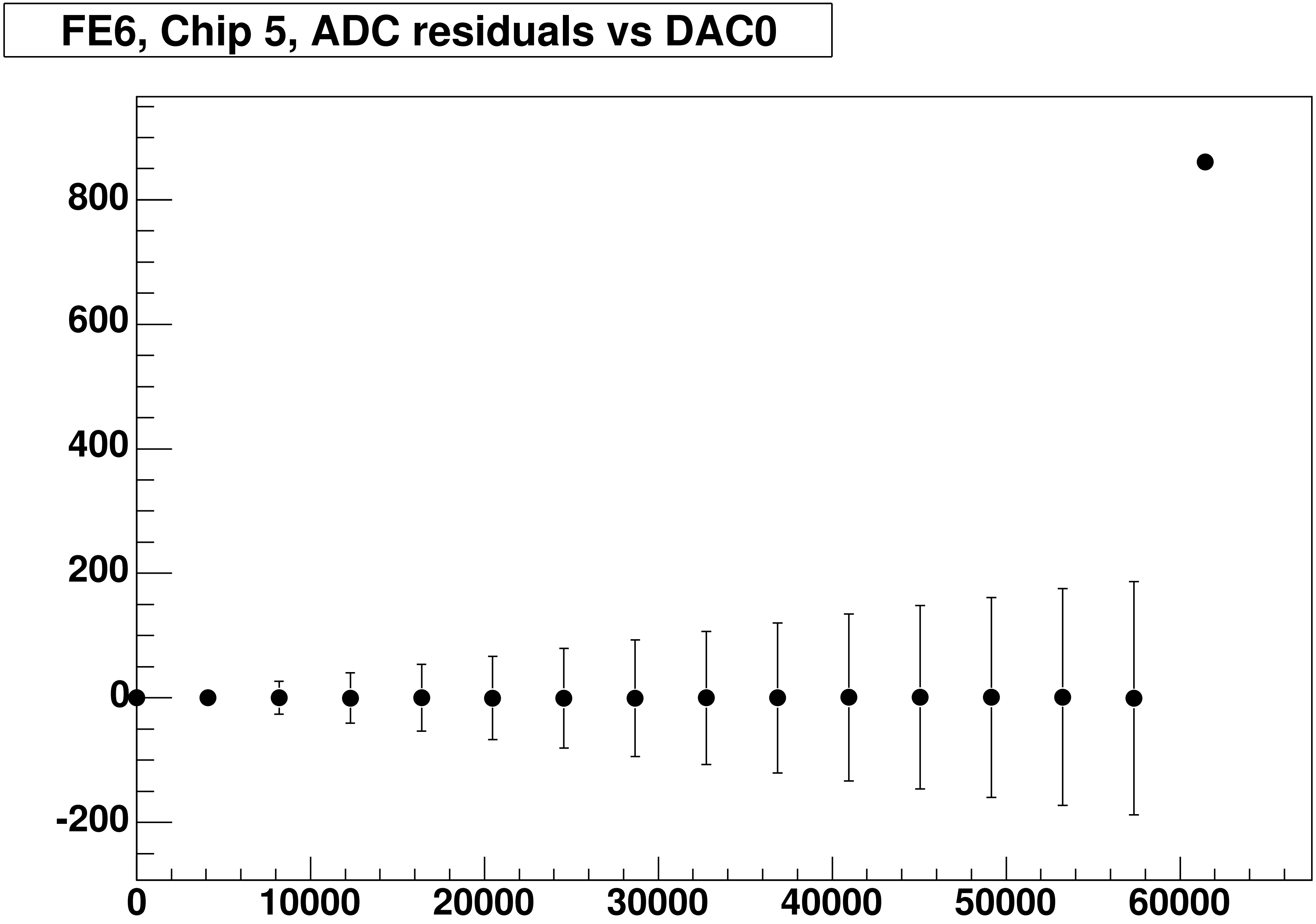

FE6, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

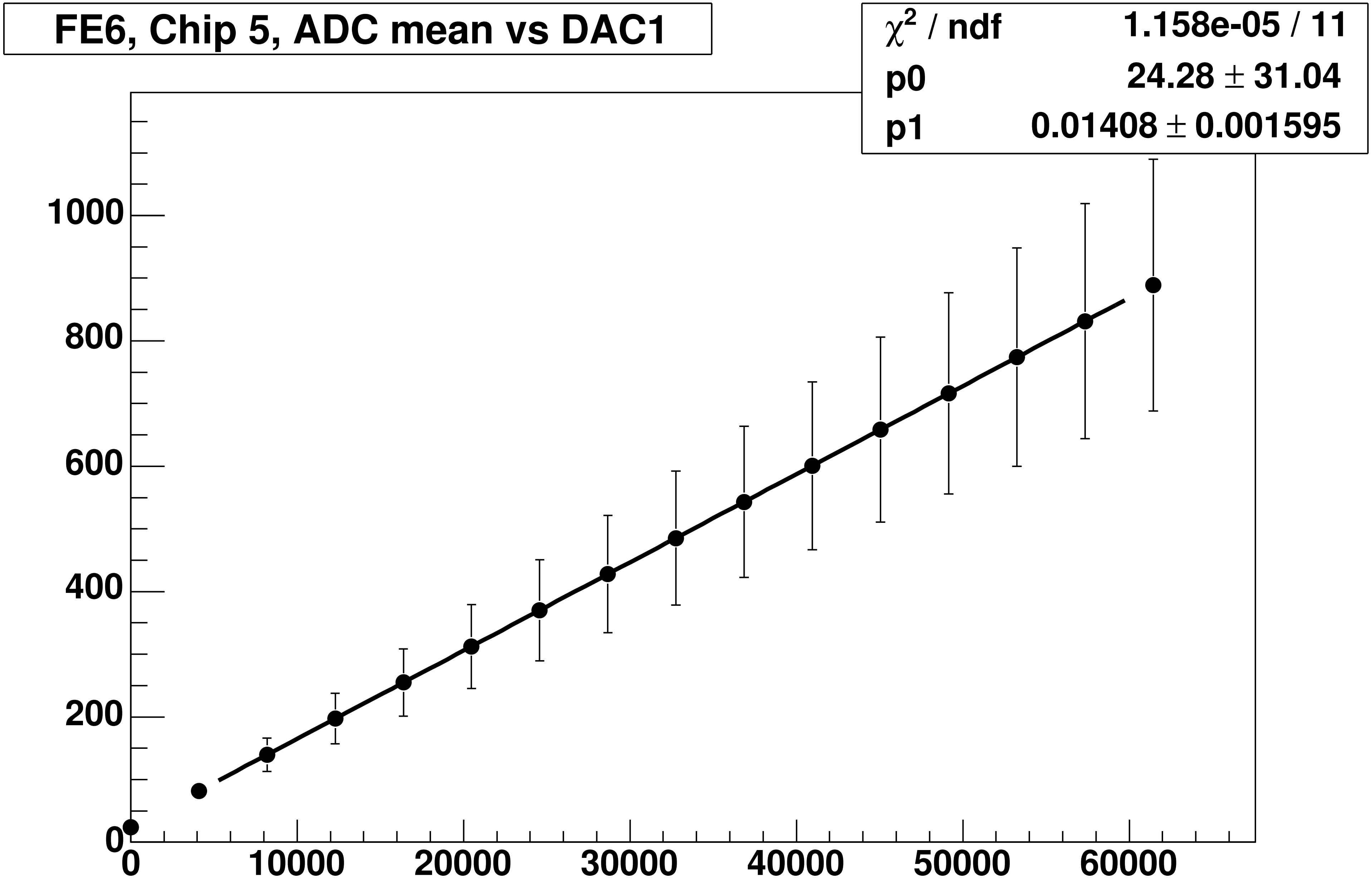


FE6, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0003983 / 11
p0 24.23 ± 31.05
p1 0.4364 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

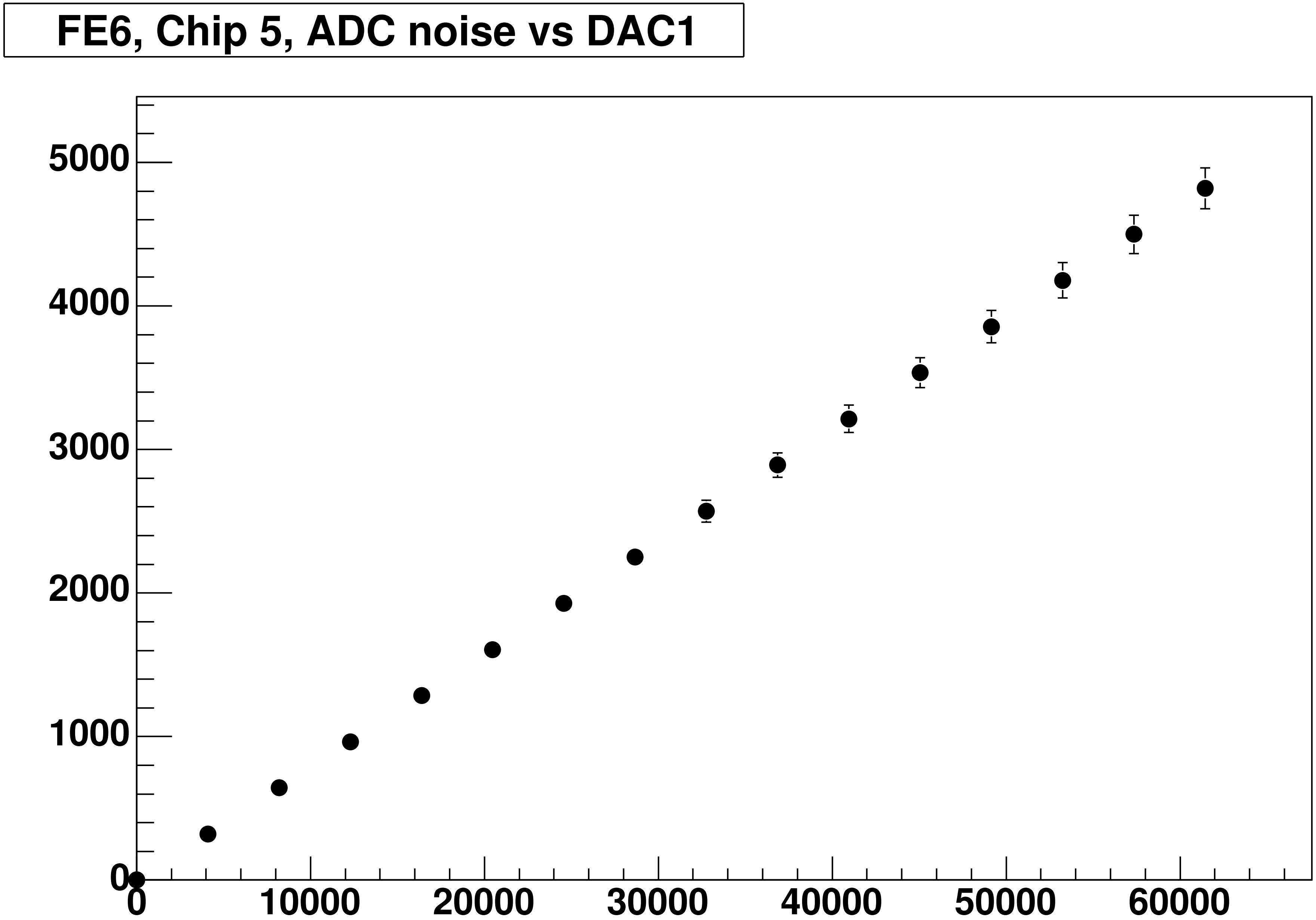


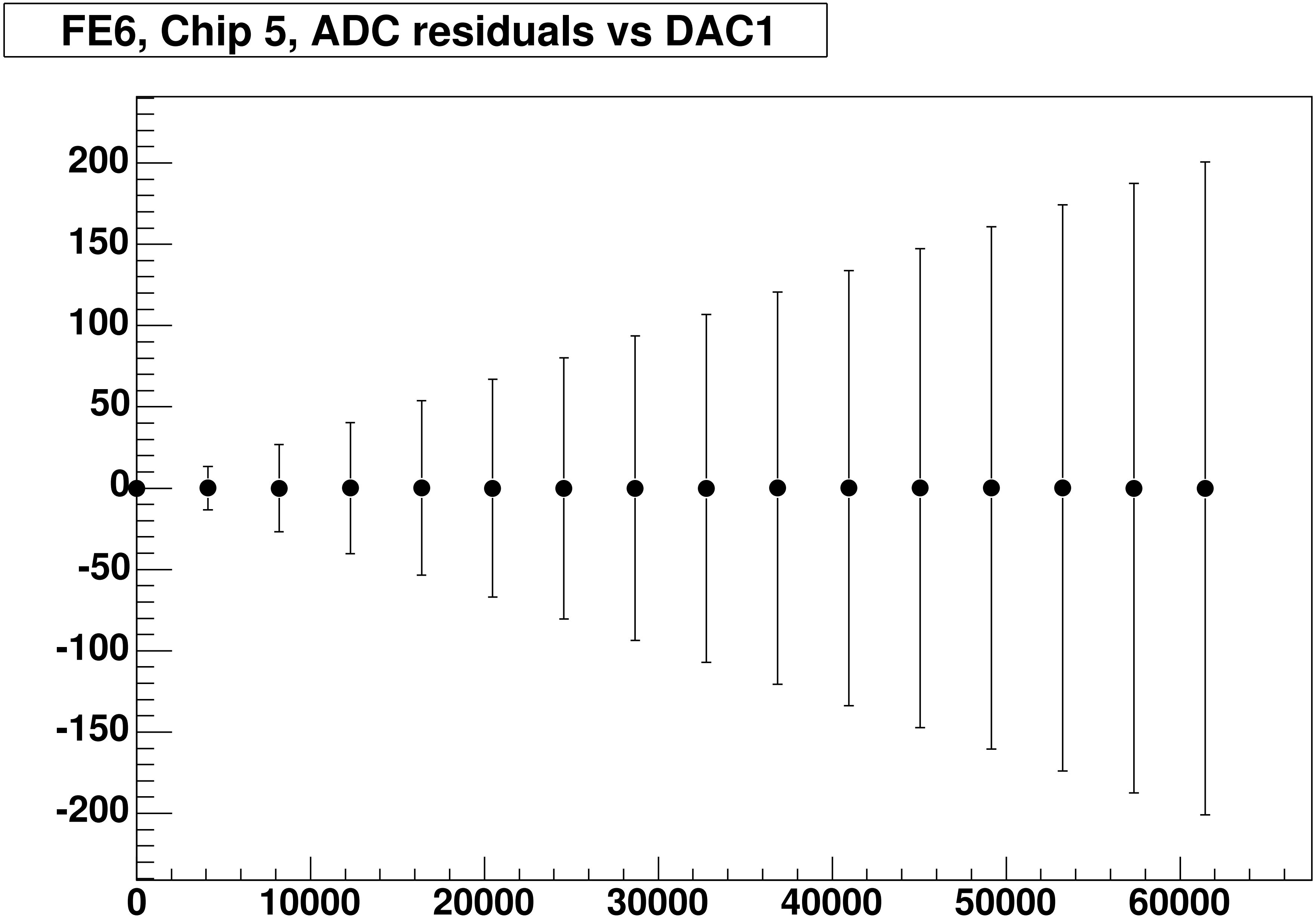
FE6, Chip 5, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

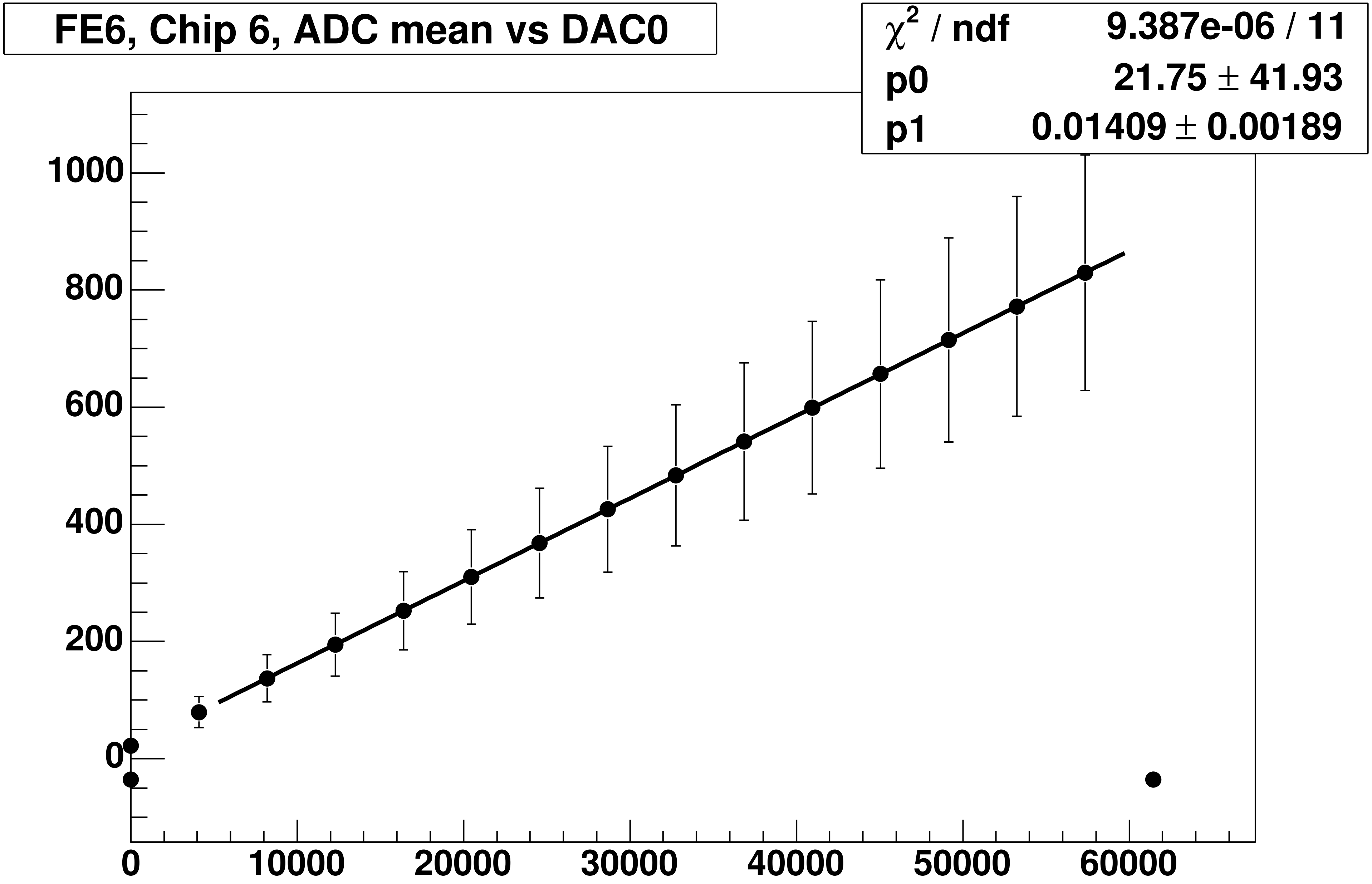


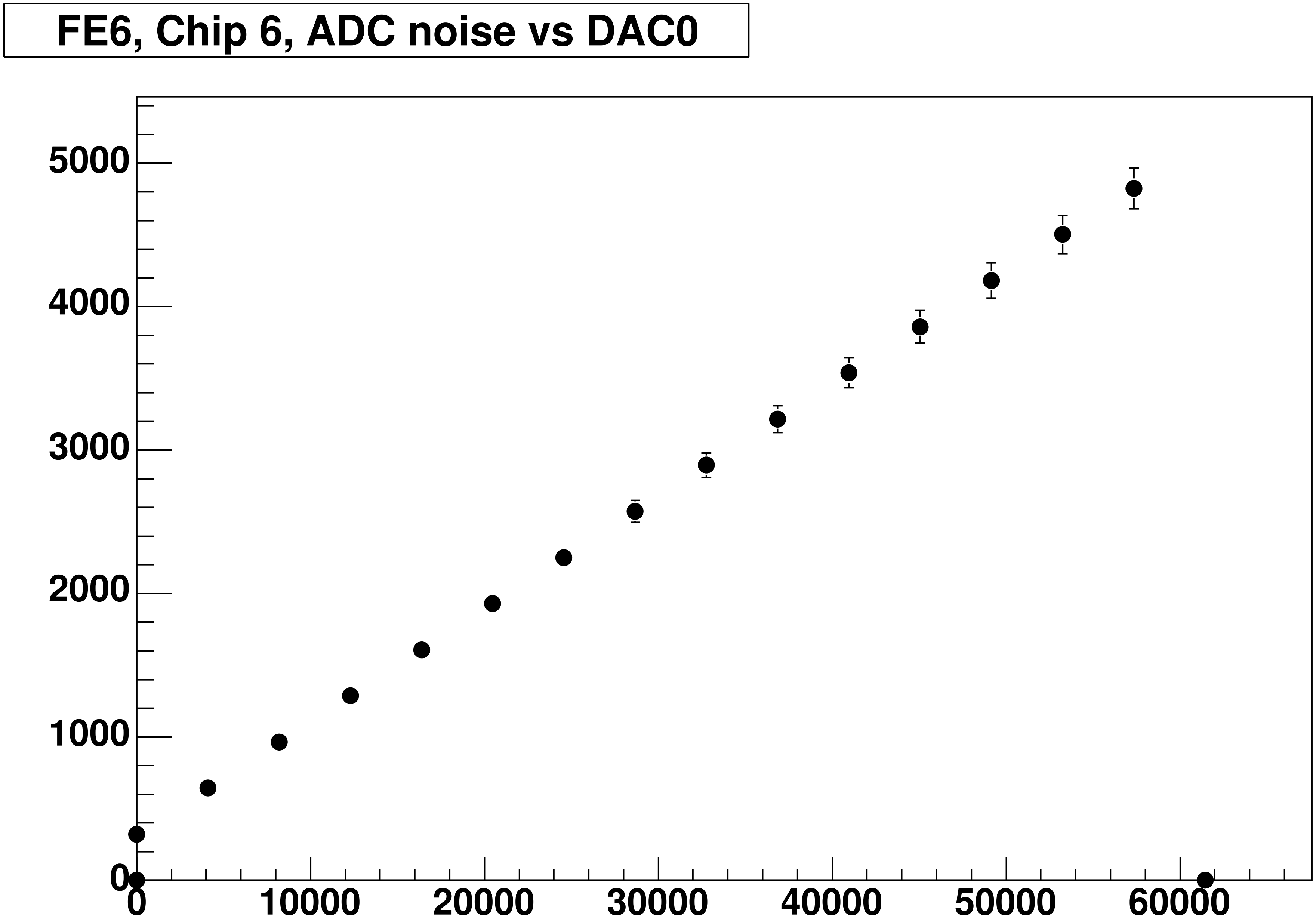
FE6, Chip 5, ADC mean vs DAC1
χ^2 / ndf 1.158e-05 / 11
p0 24.28 ± 31.04
p1 0.01408 ± 0.001595
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


FE6, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

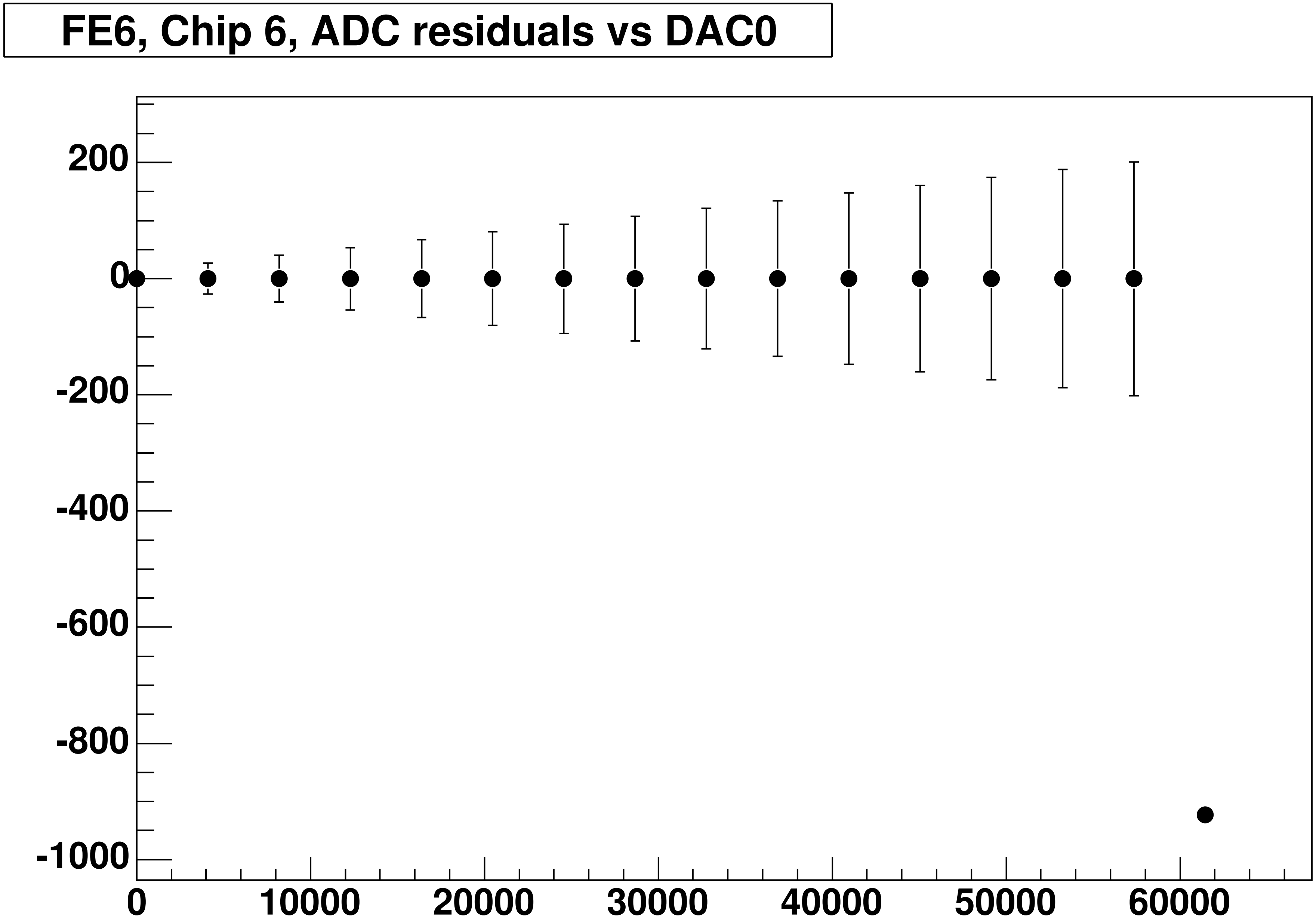


FE6, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

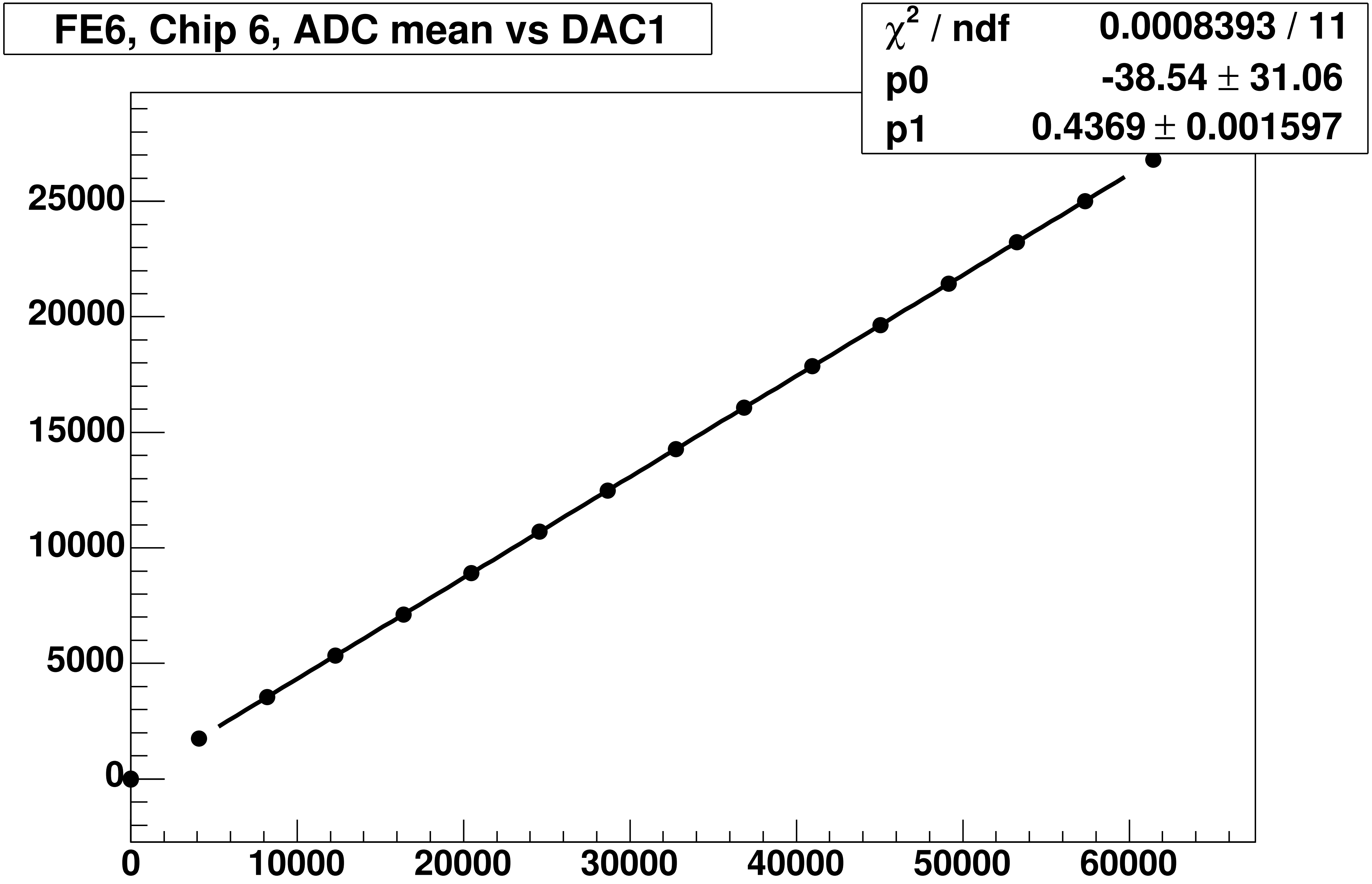

FE6, Chip 6, ADC mean vs DAC0
χ^2 / ndf 9.387e-06 / 11
p0 21.75 ± 41.93
p1 0.01409 ± 0.00189
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



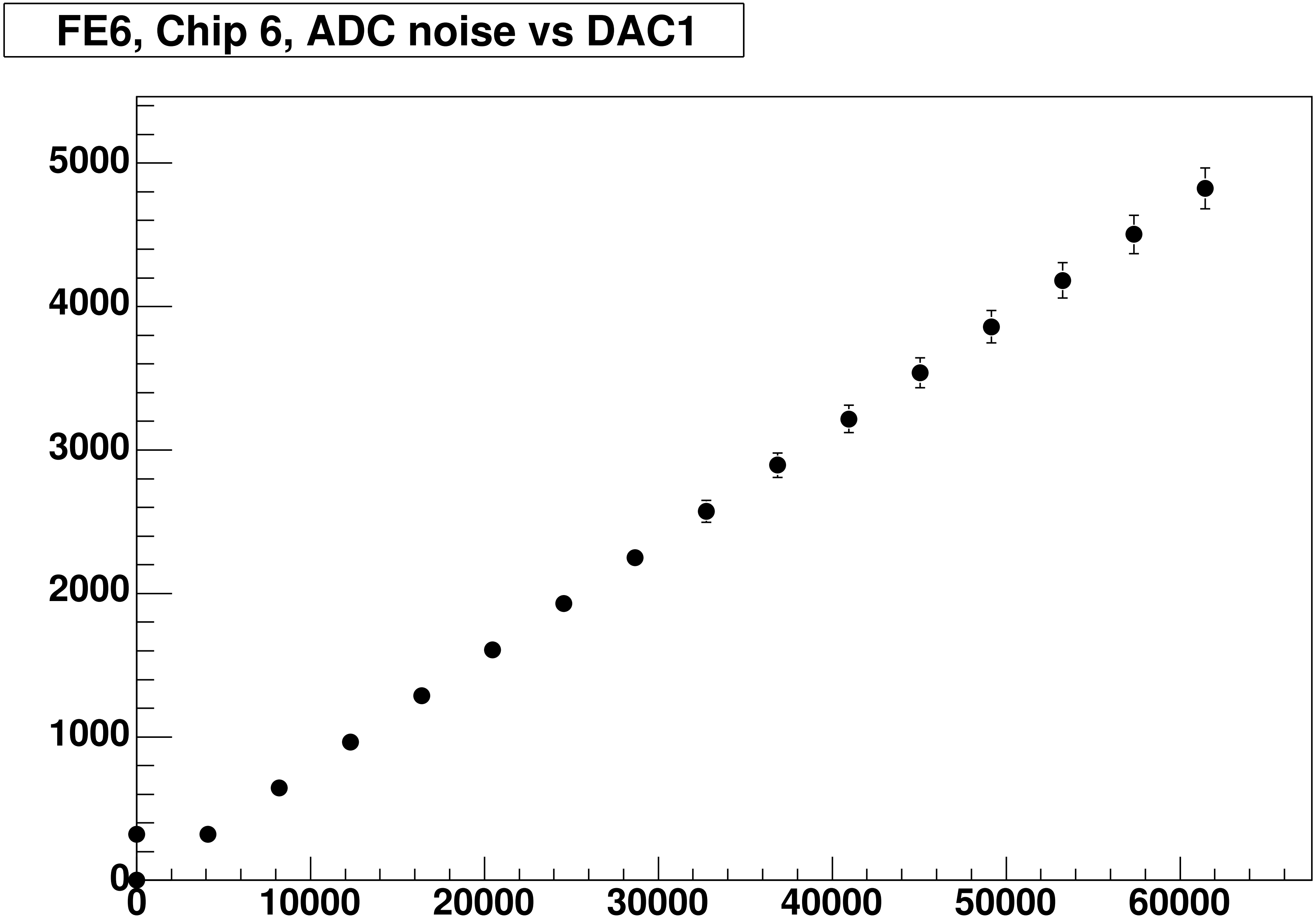
FE6, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

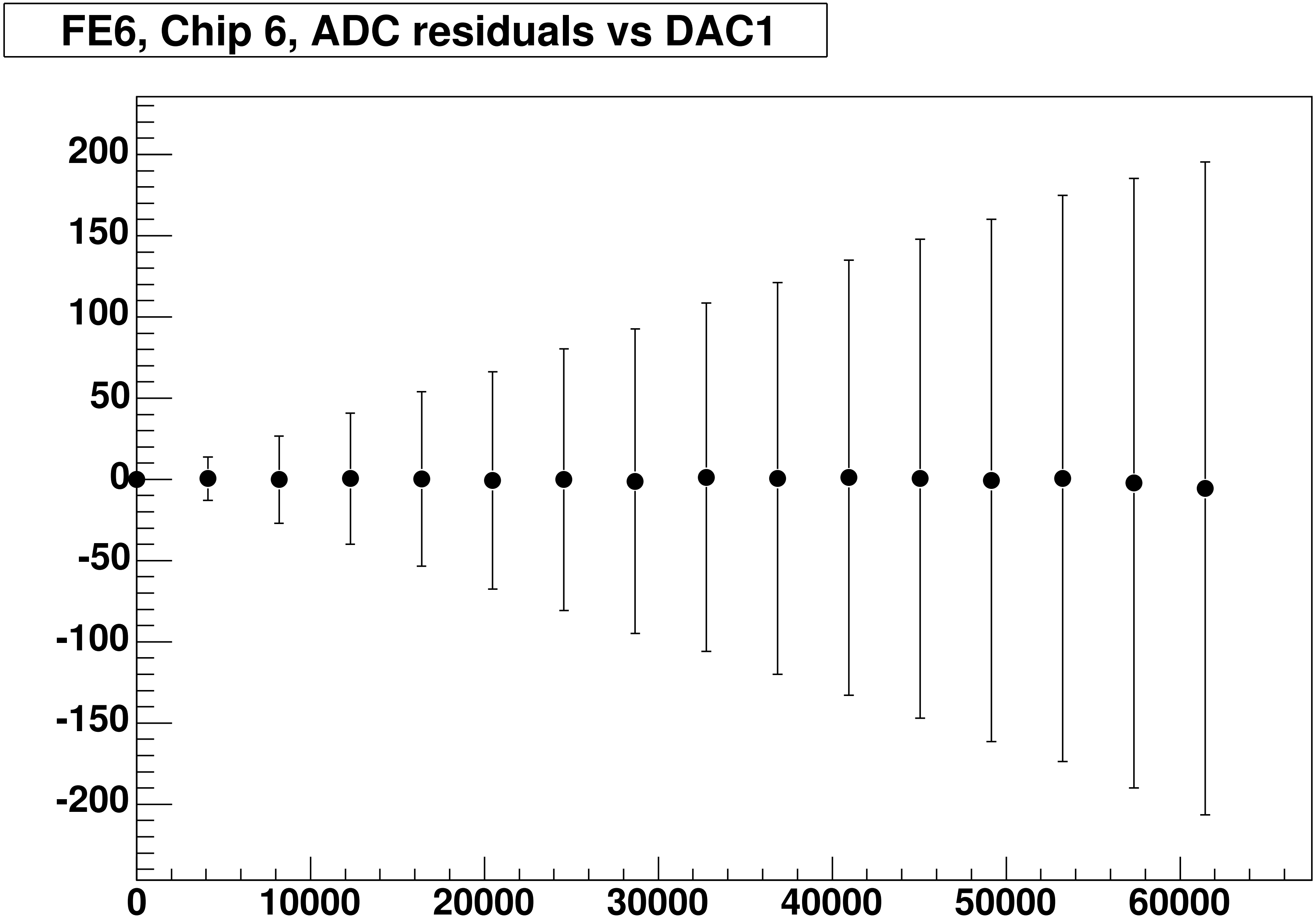


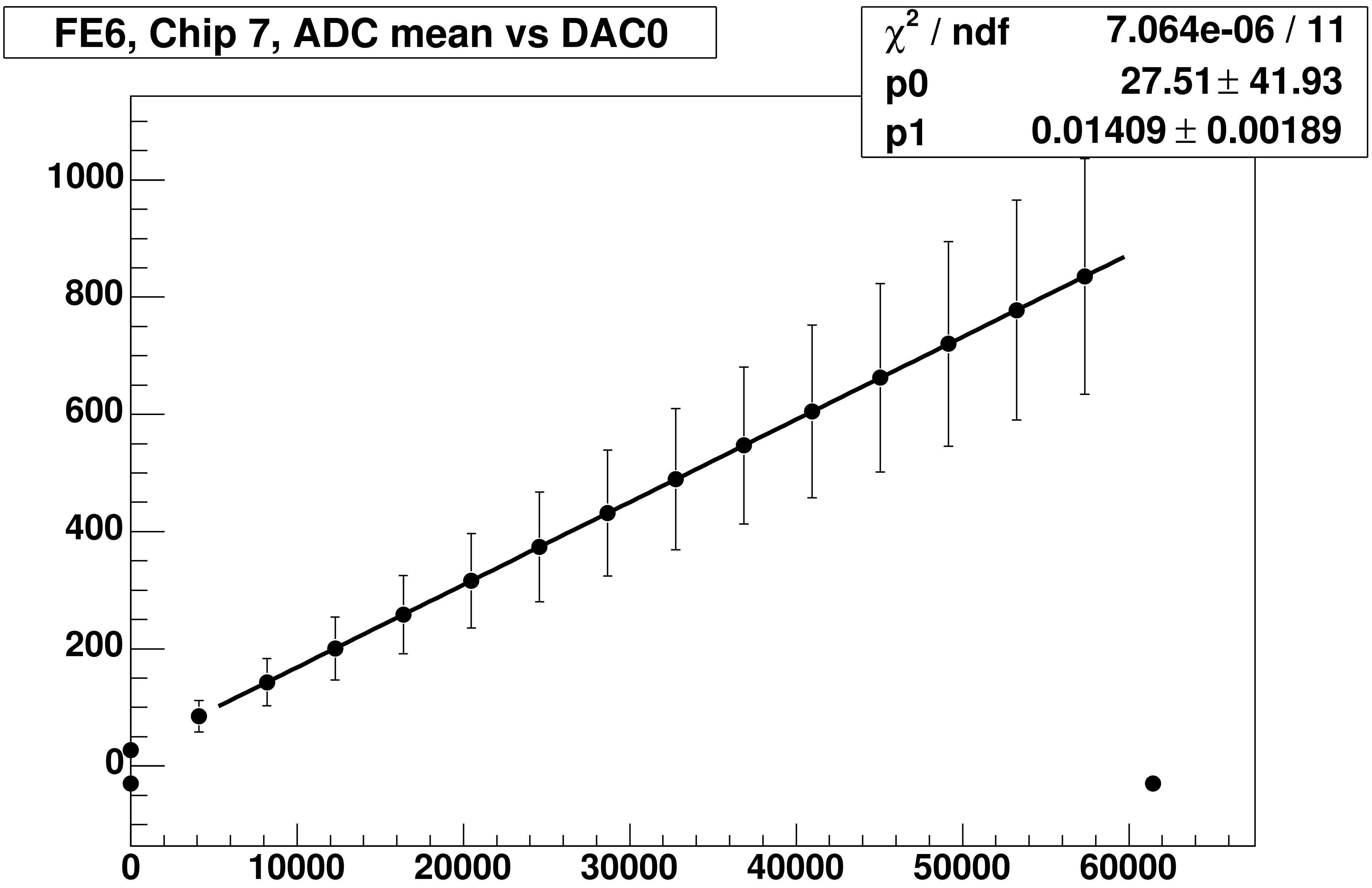
FE6, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



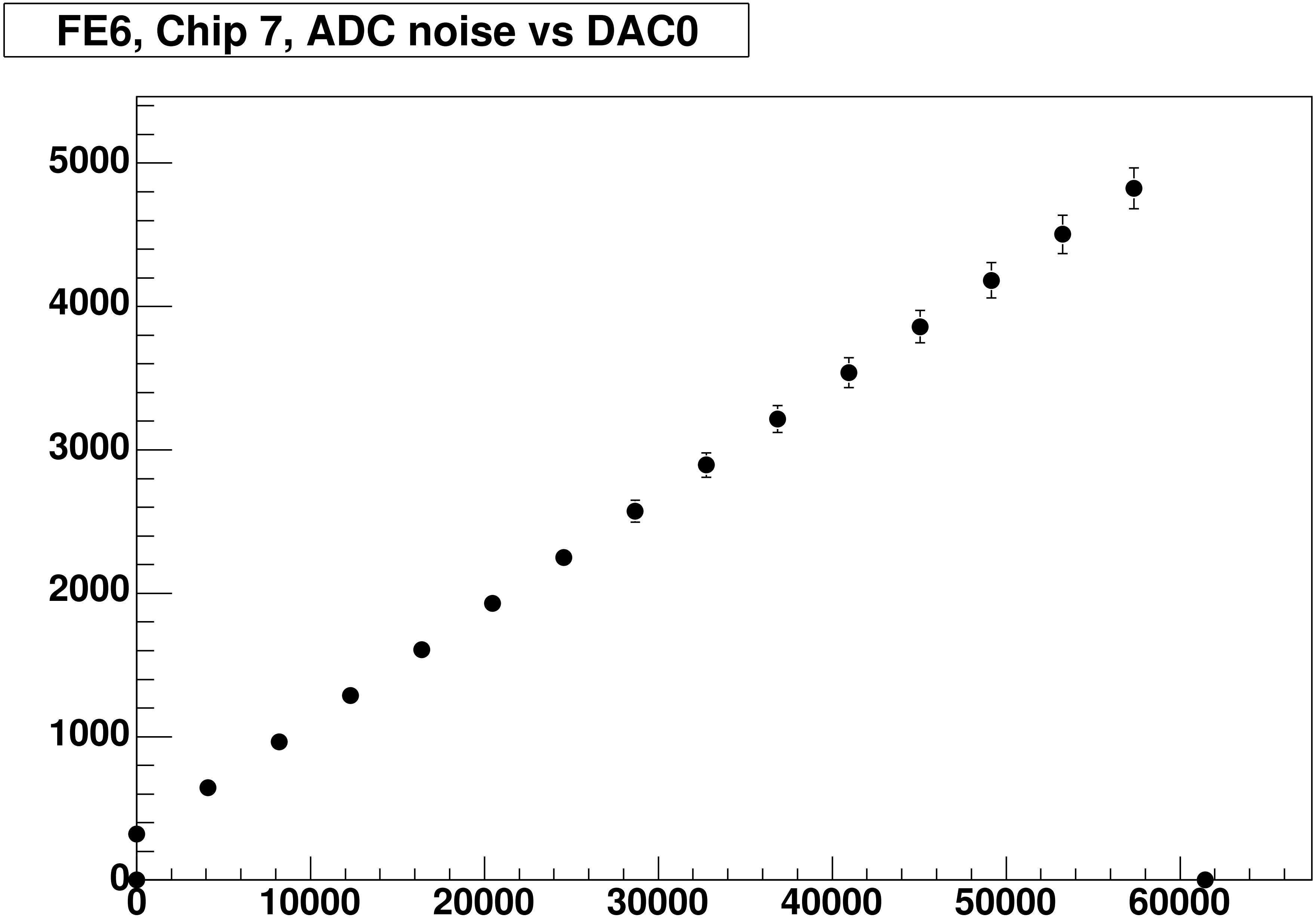
FE6, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.0008393 / 11
p0 -38.54 ± 31.06
p1 0.4369 ± 0.001597
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

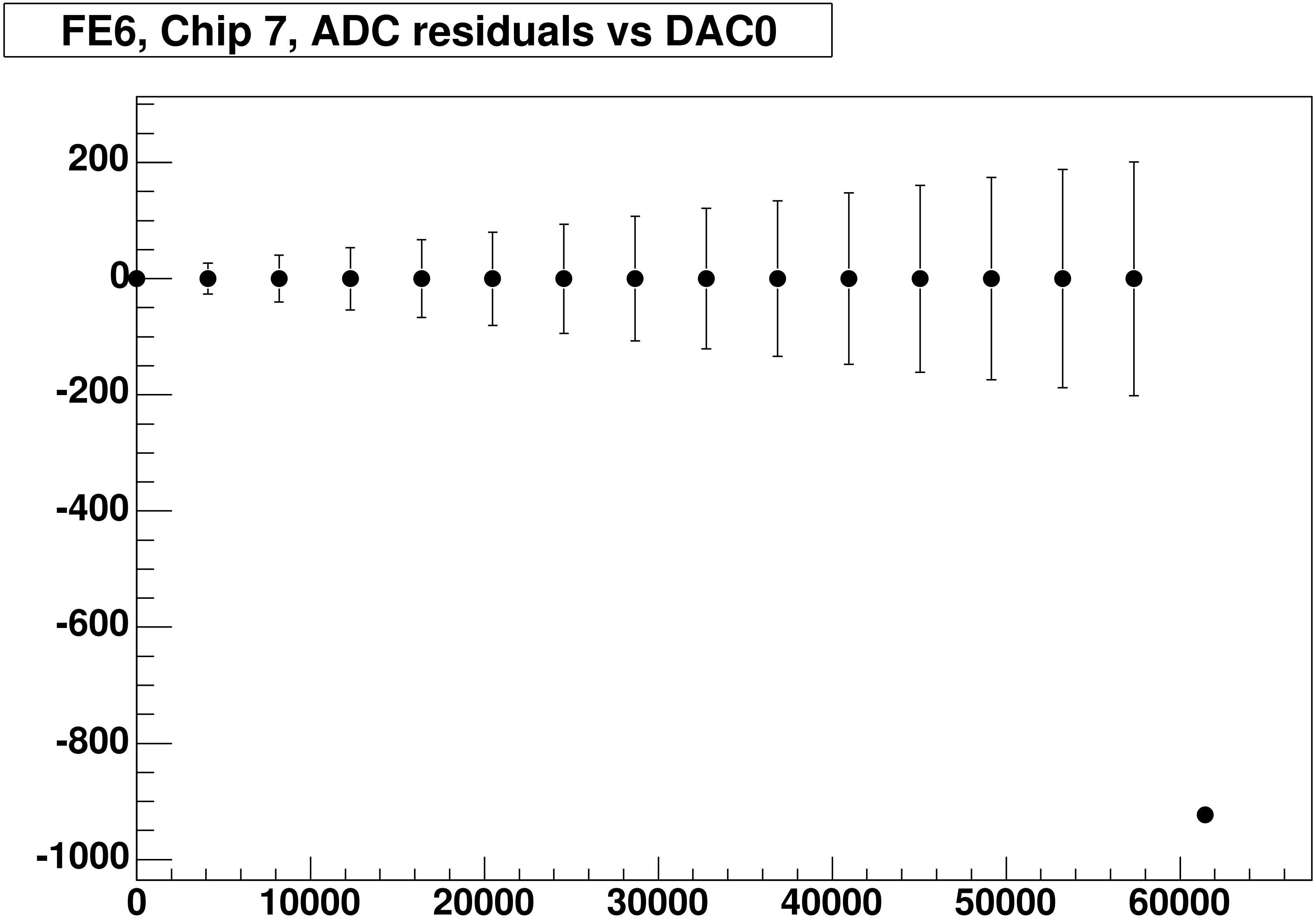

FE6, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

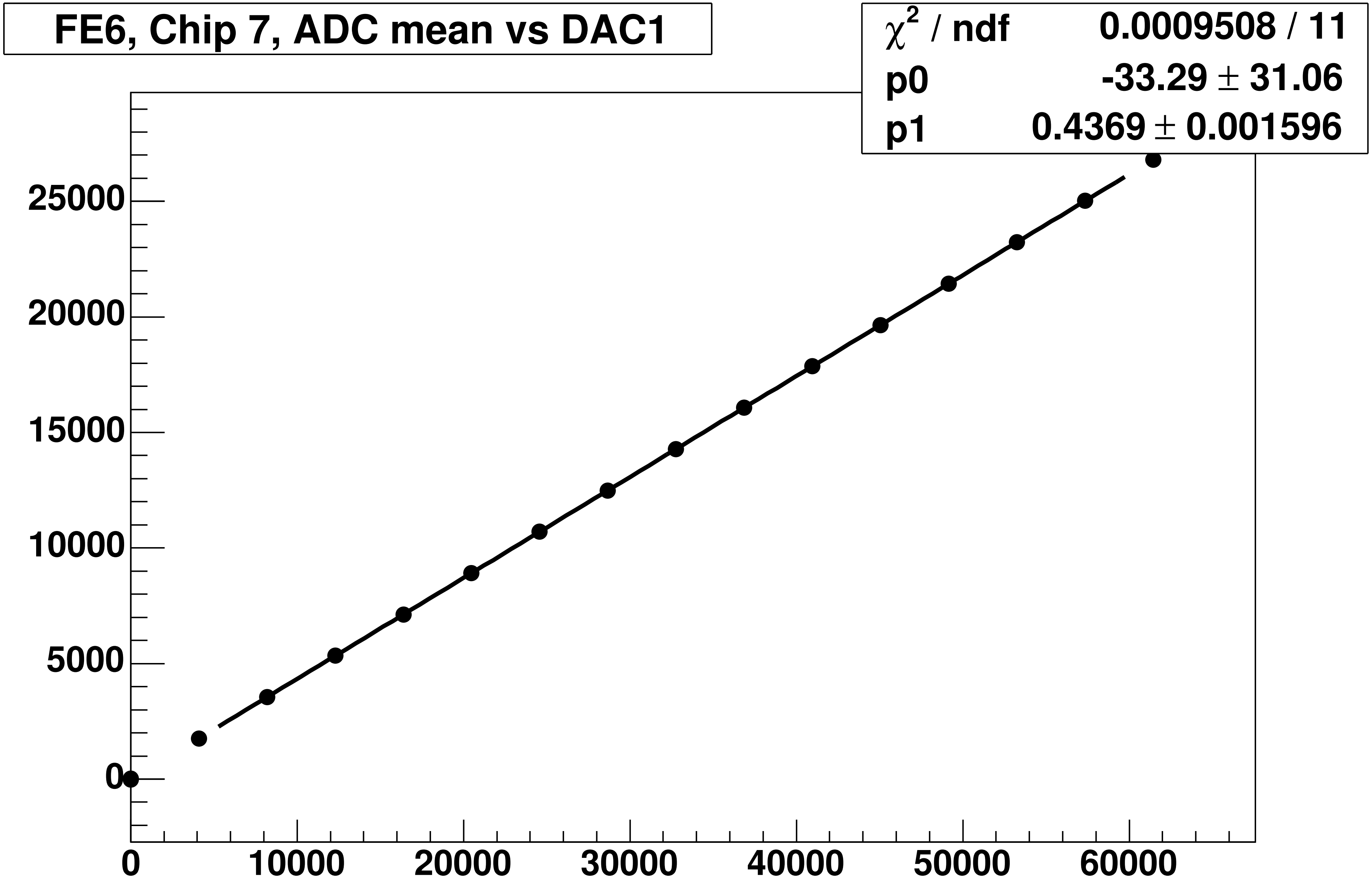


FE6, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7.064e-06 / 11
p0 27.51 ± 41.93
p1 0.01409 ± 0.00189
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

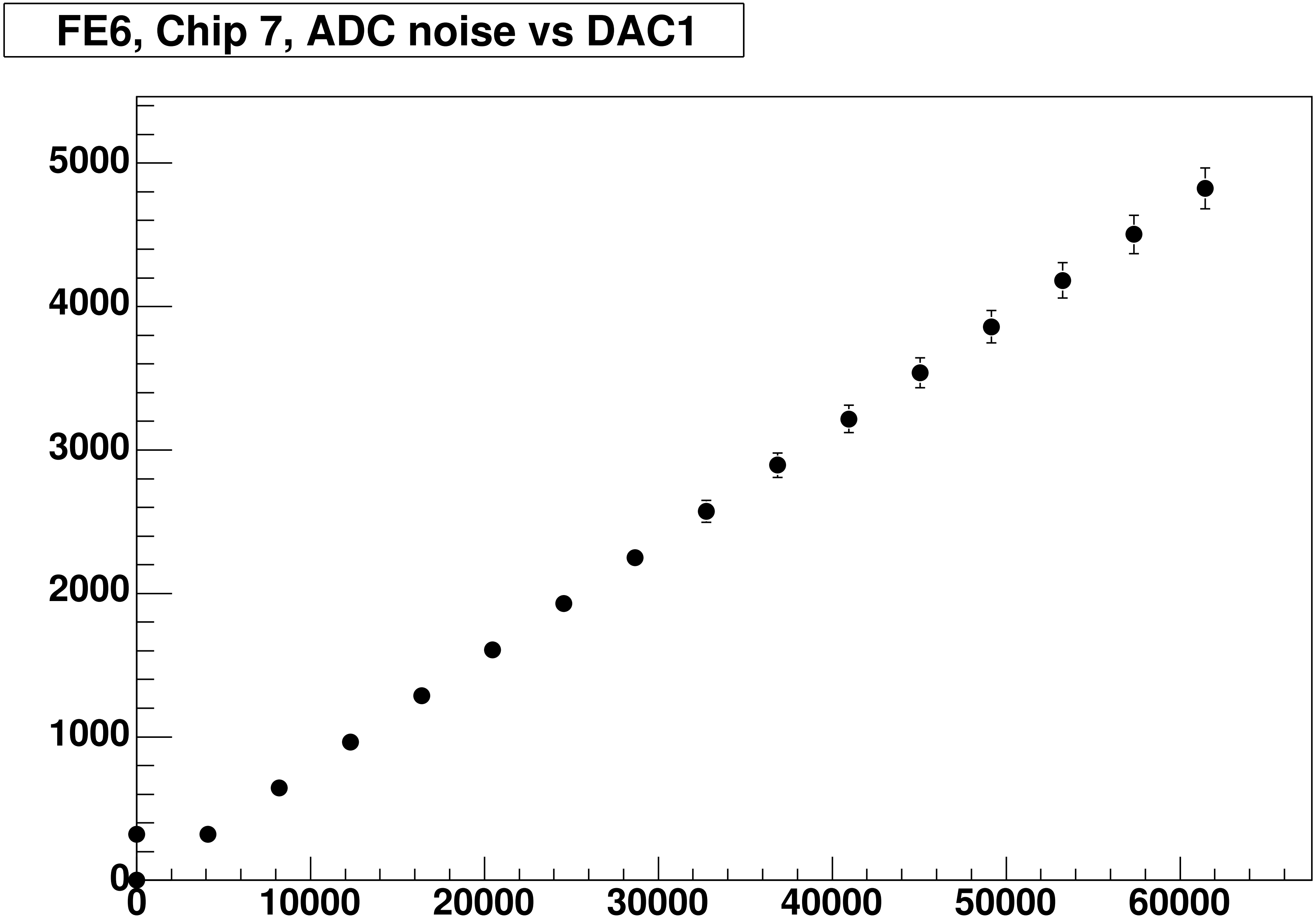


FE6, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

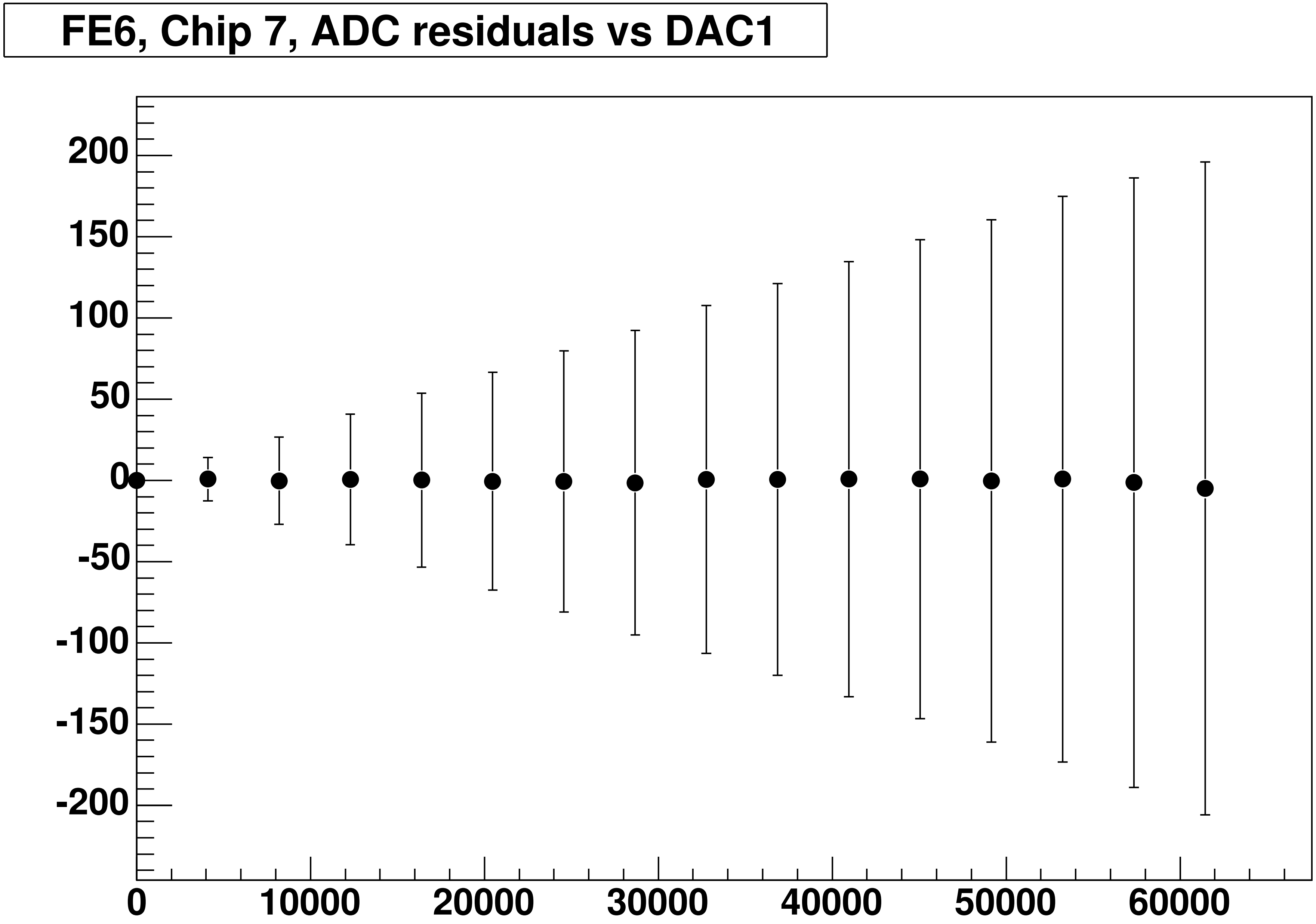

FE6, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

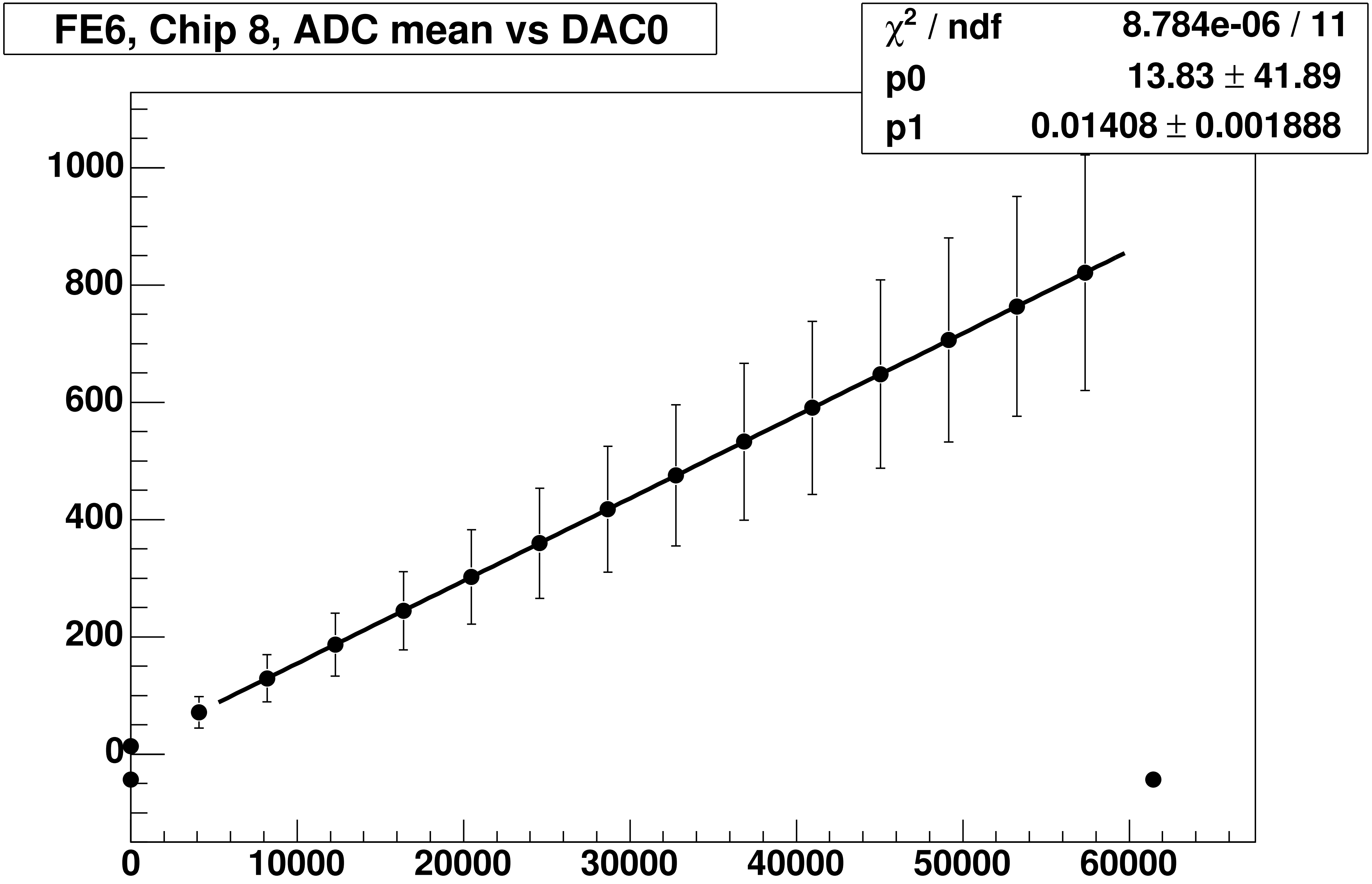


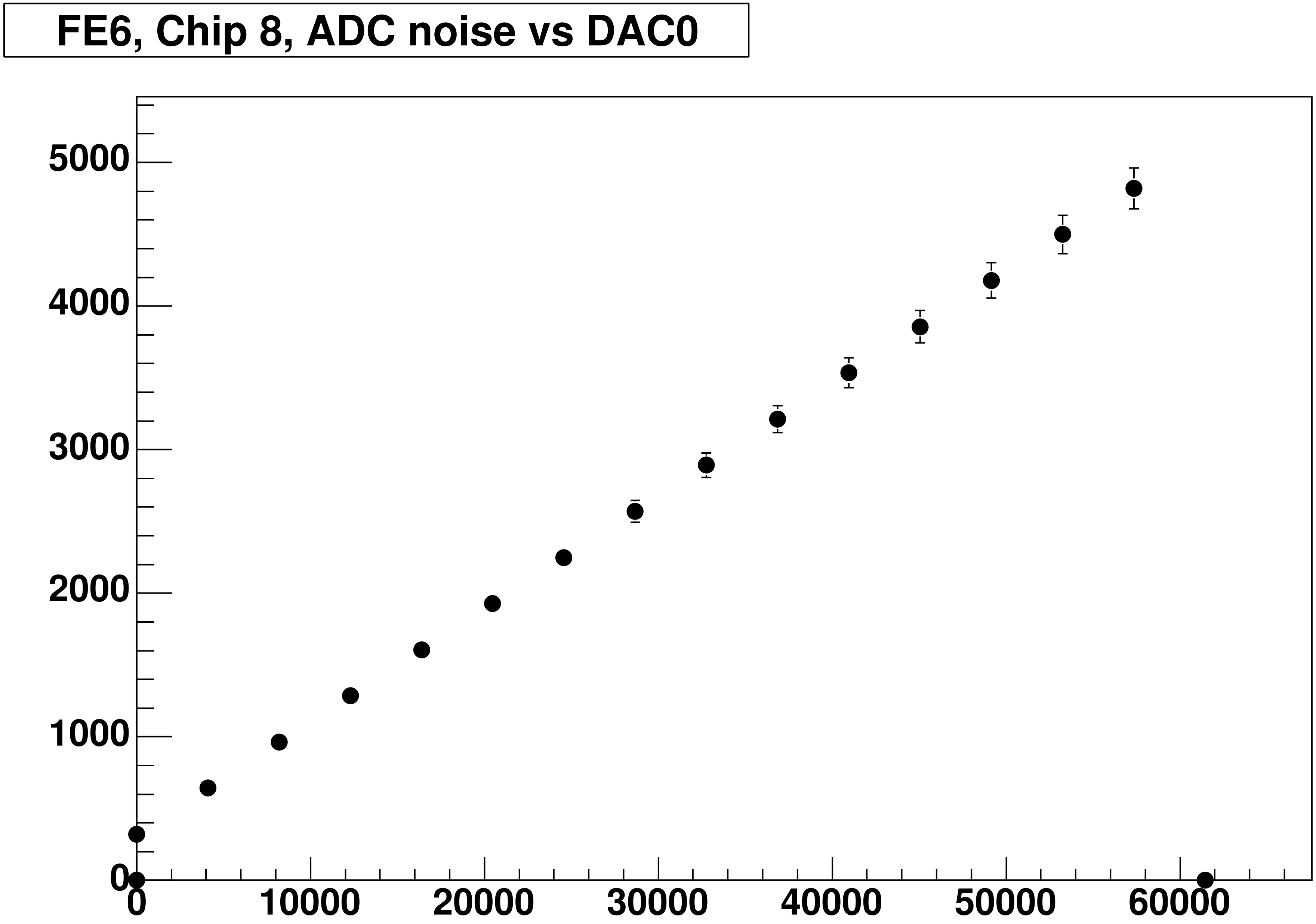
FE6, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.0009508 / 11
p0 -33.29 ± 31.06
p1 0.4369 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

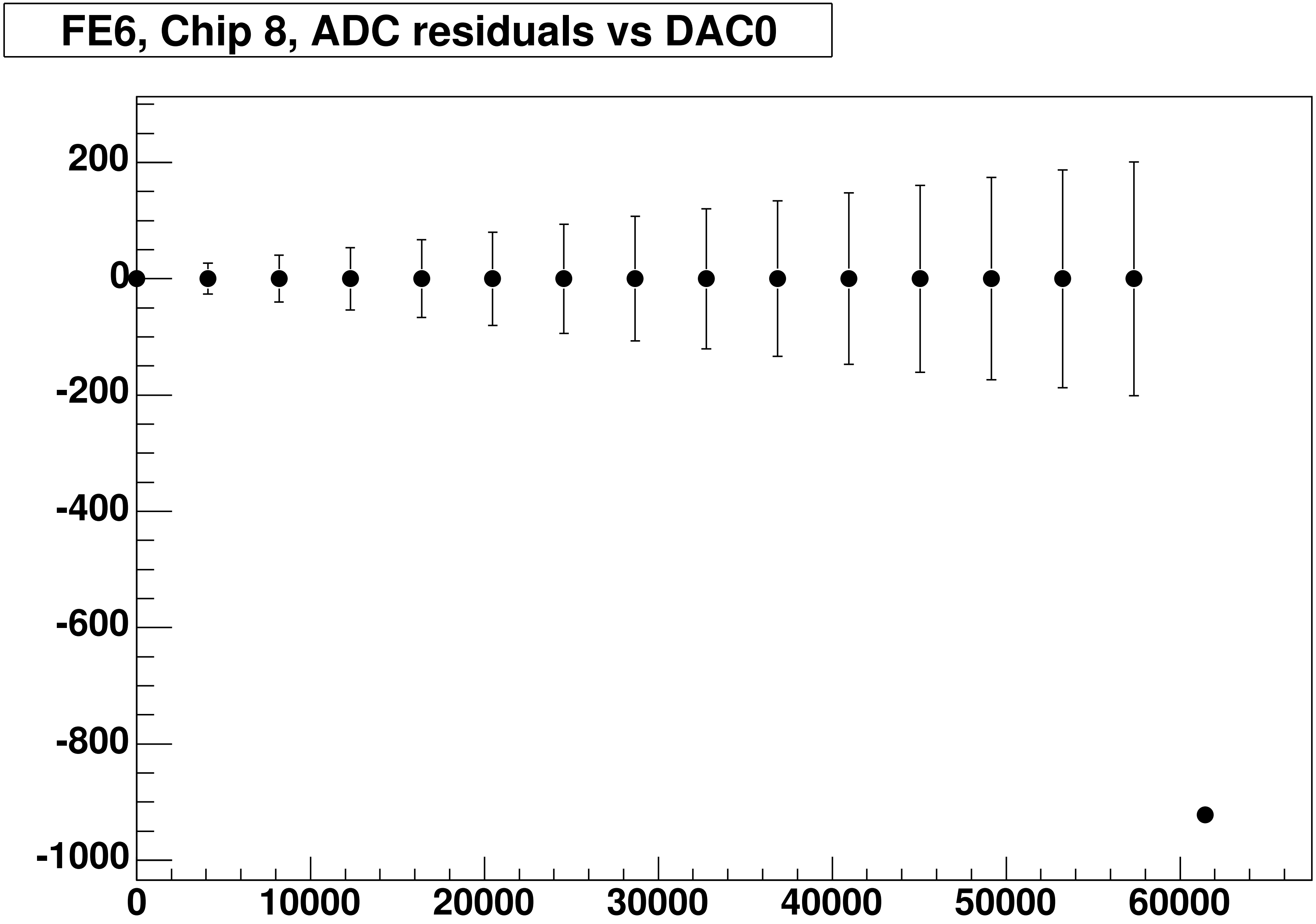


FE6, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

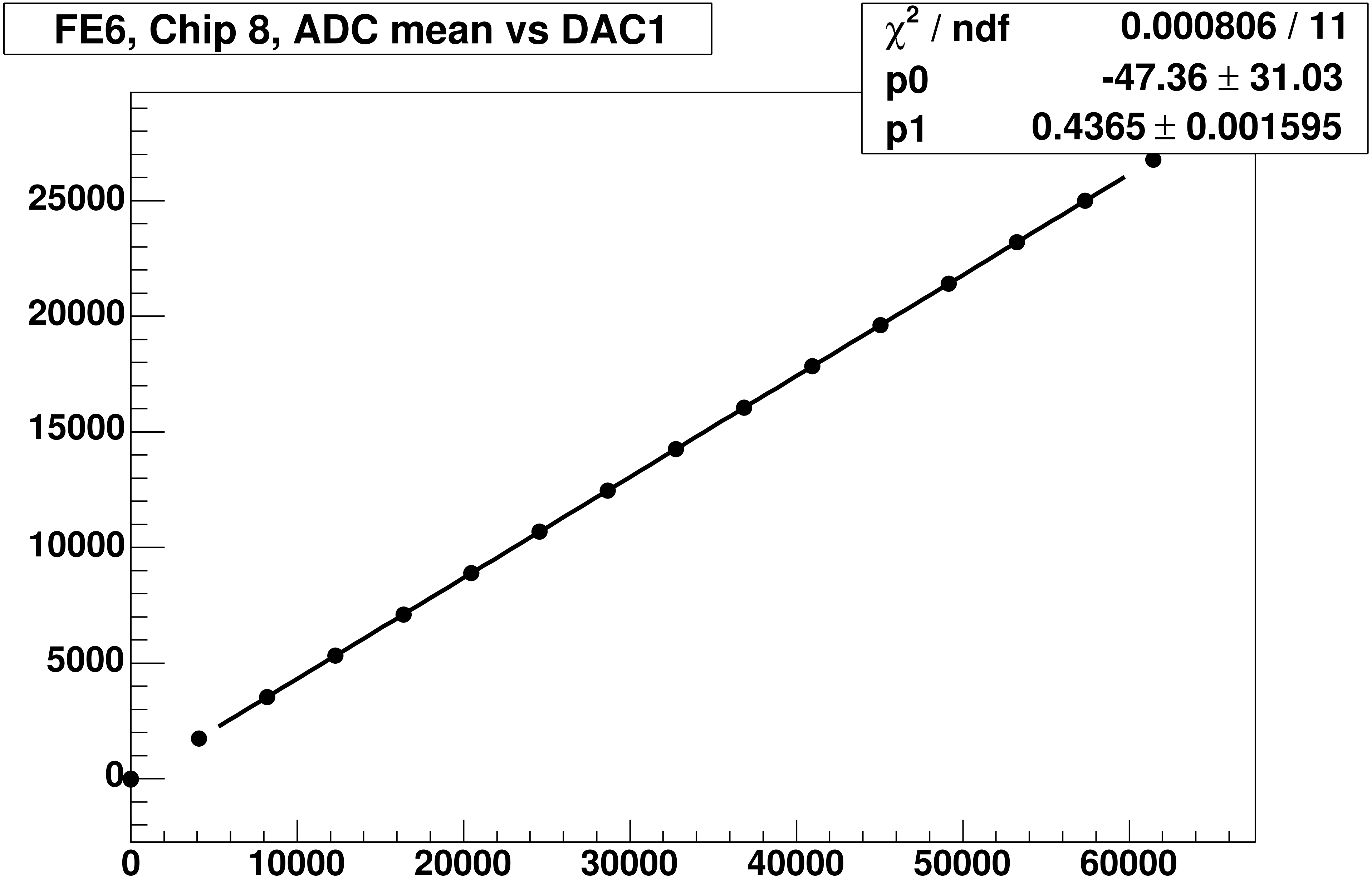

FE6, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 8, ADC mean vs DAC0
χ^2 / ndf 8.784e-06 / 11
p0 13.83 ± 41.89
p1 0.01408 ± 0.001888
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

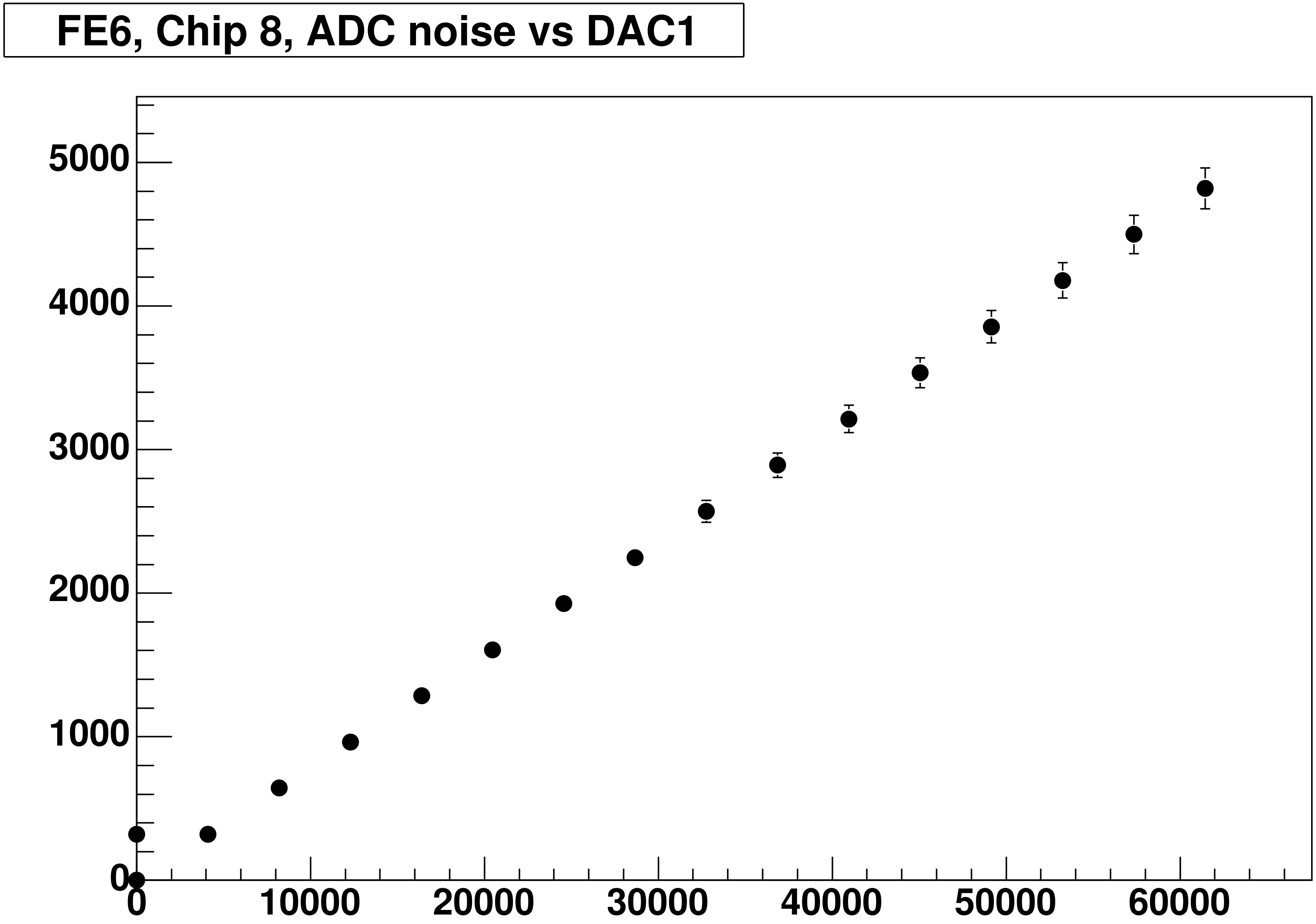

FE6, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

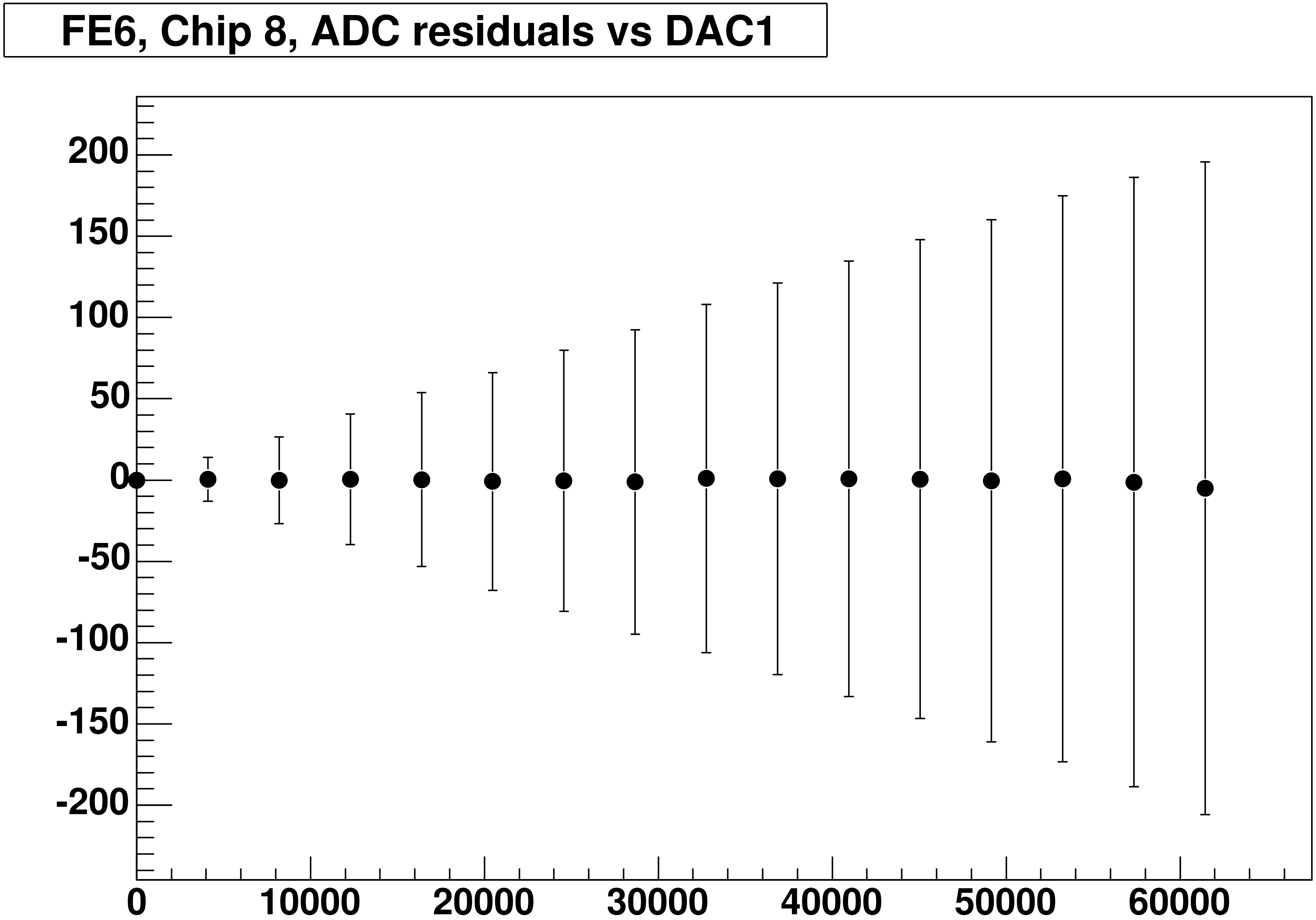


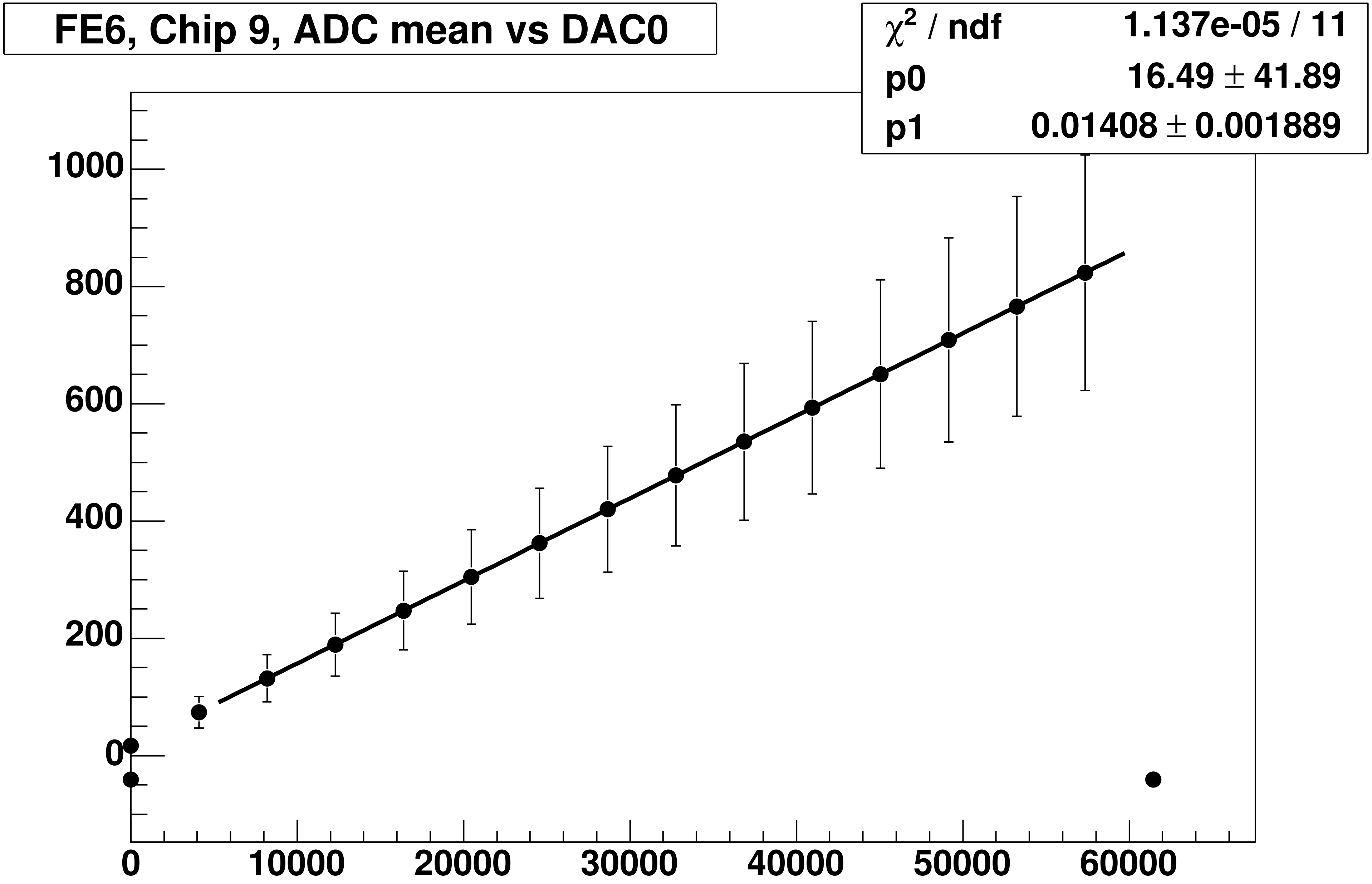
FE6, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



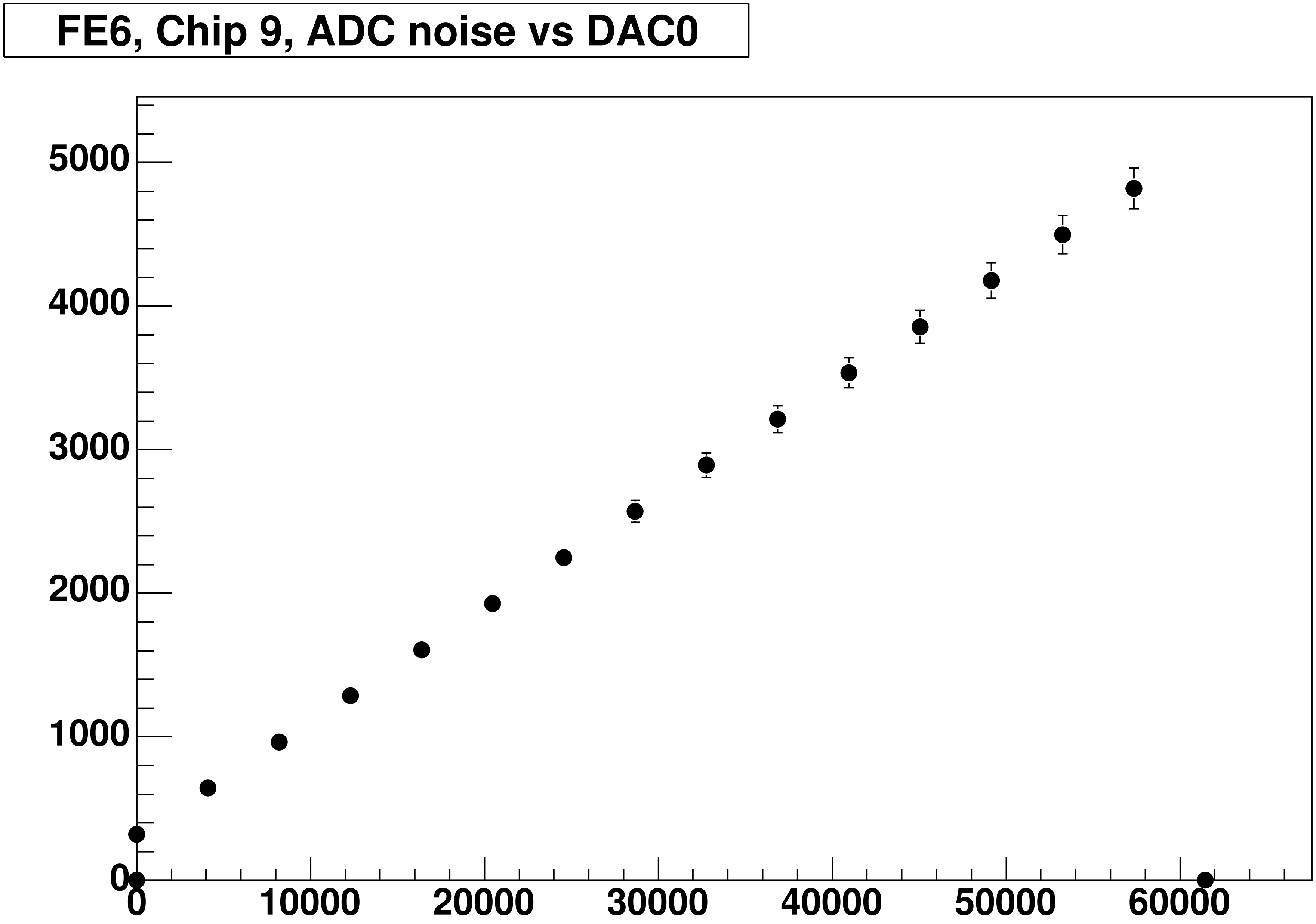
FE6, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.000806 / 11
p0 -47.36 ± 31.03
p1 0.4365 ± 0.001595
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

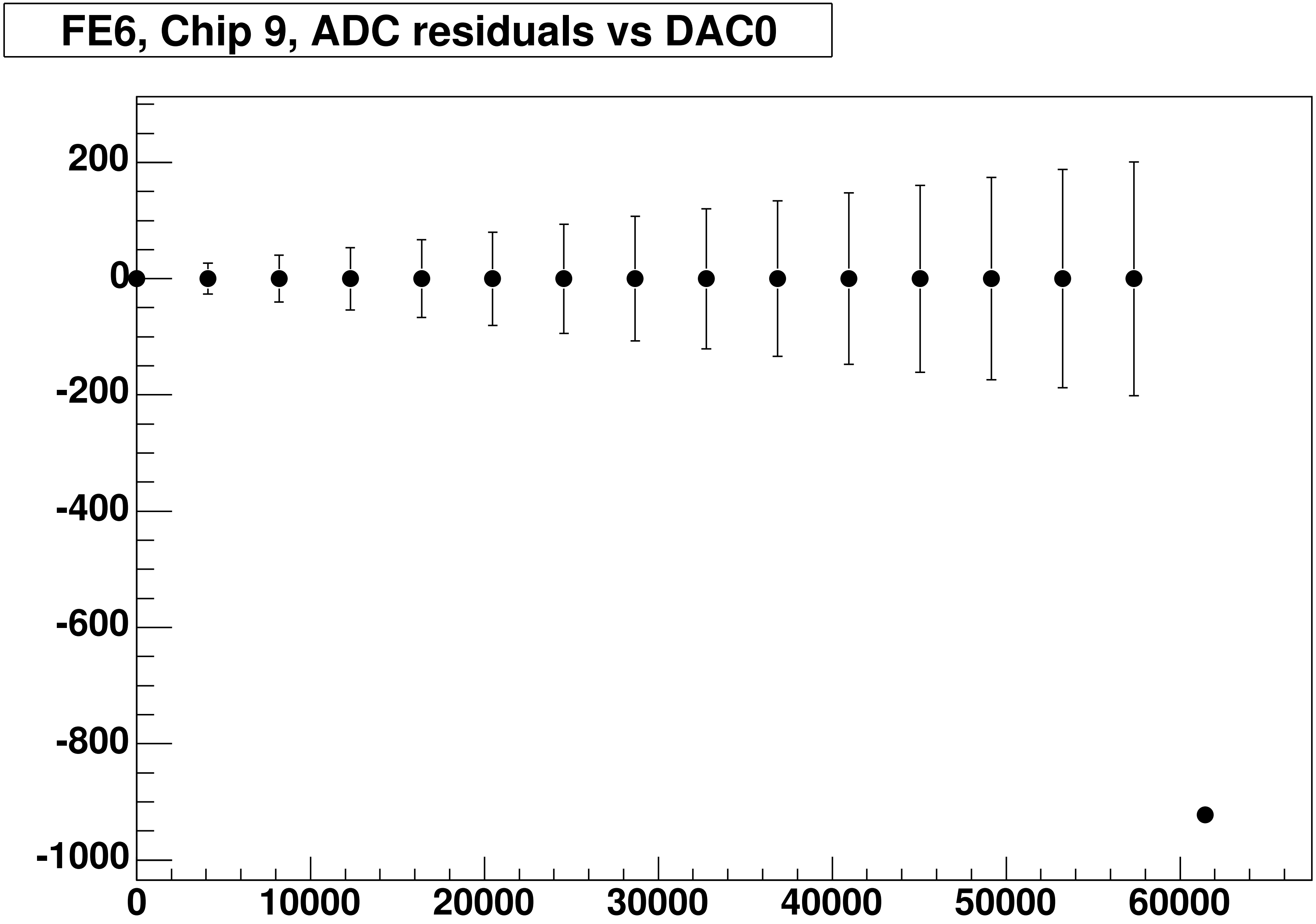

FE6, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

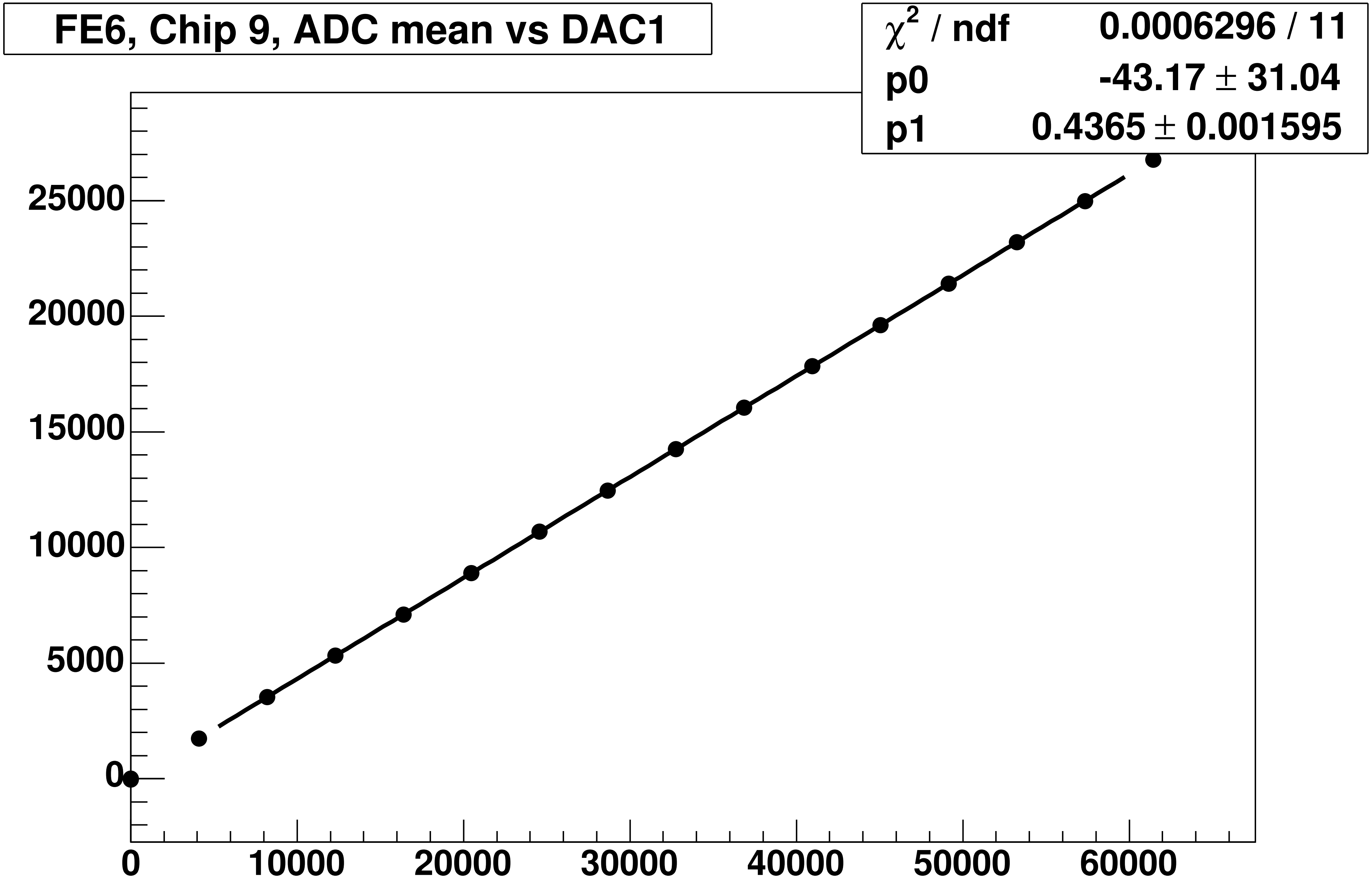


FE6, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.137e-05 / 11
p0 16.49 ± 41.89
p1 0.01408 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

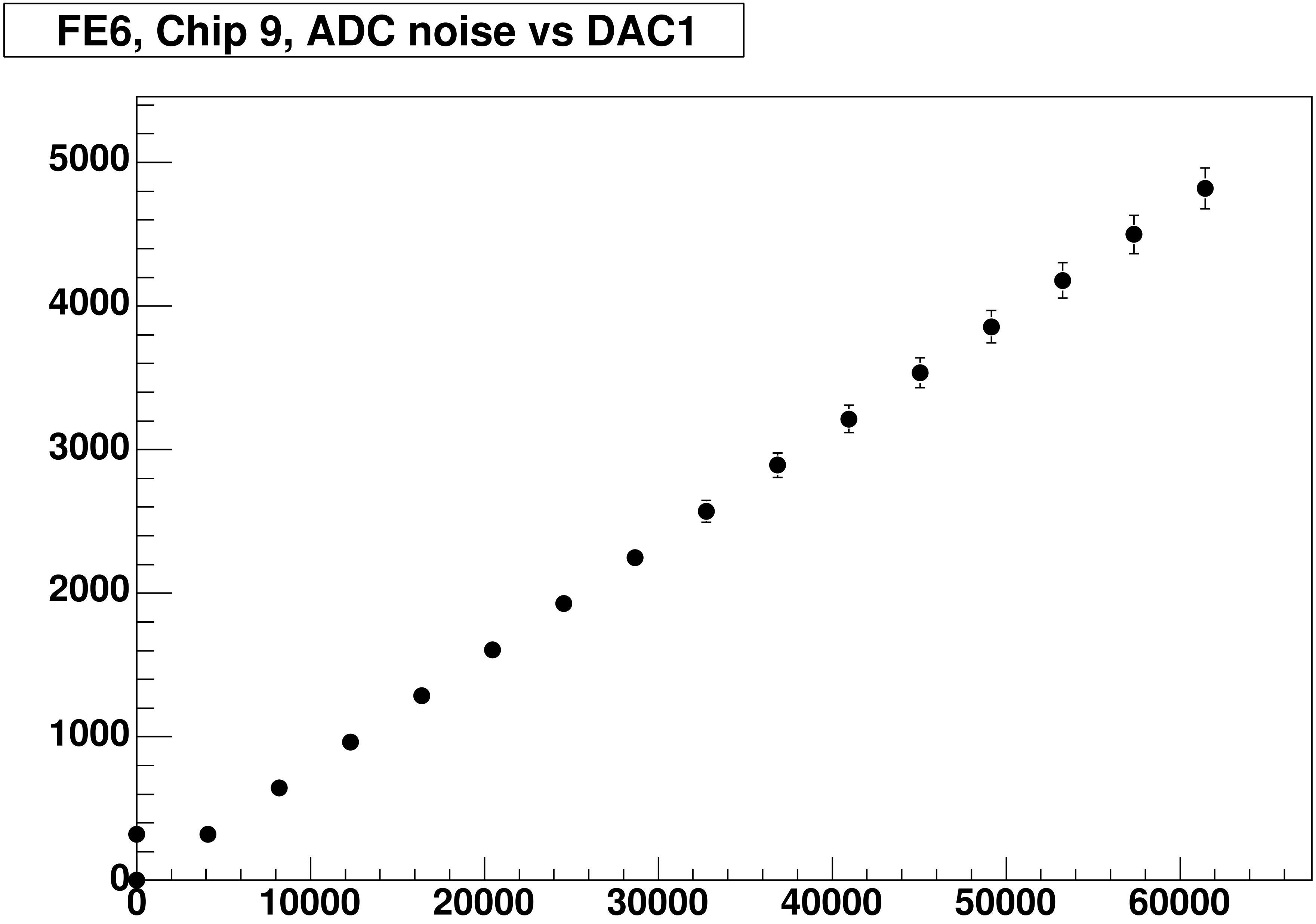

FE6, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

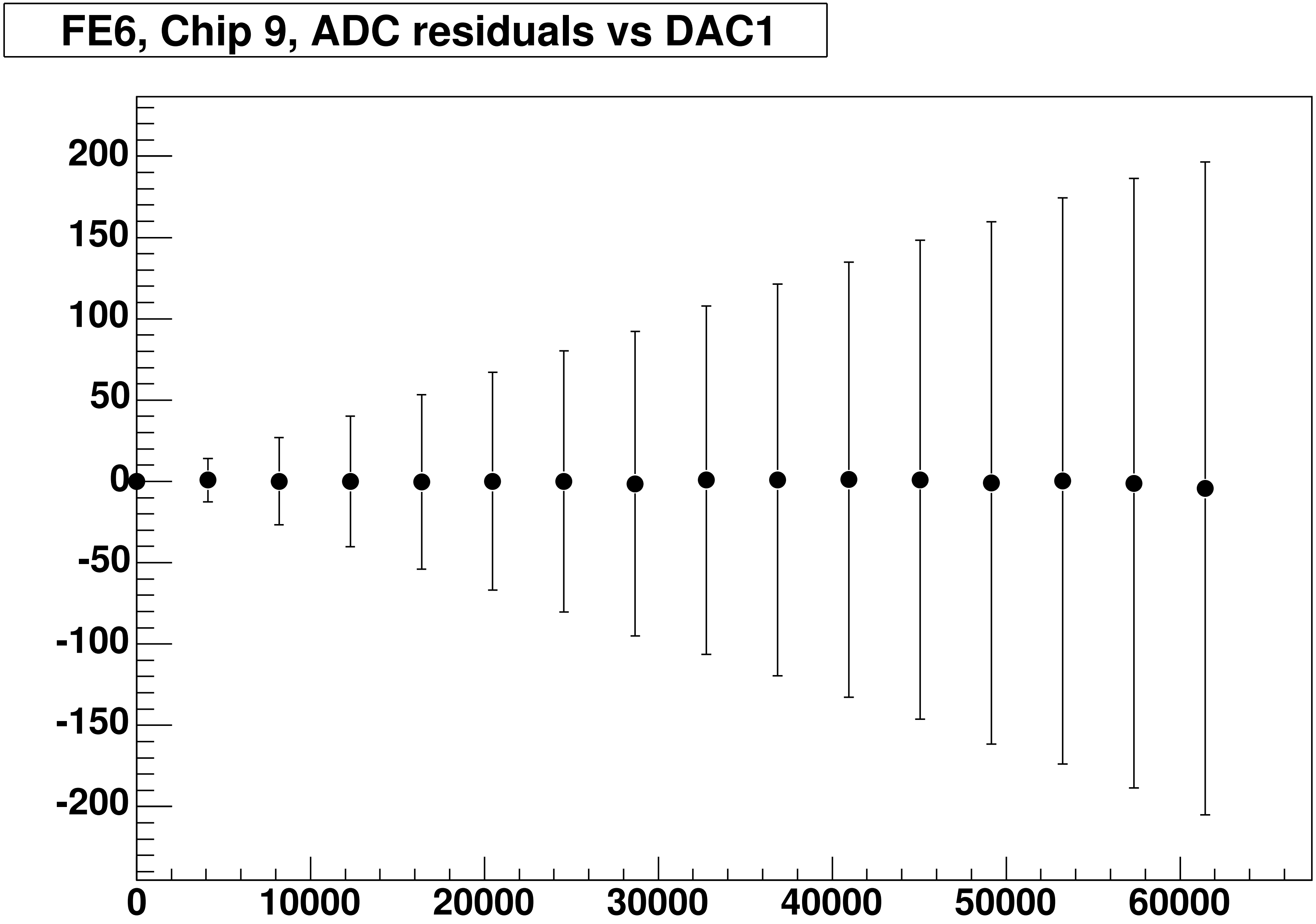


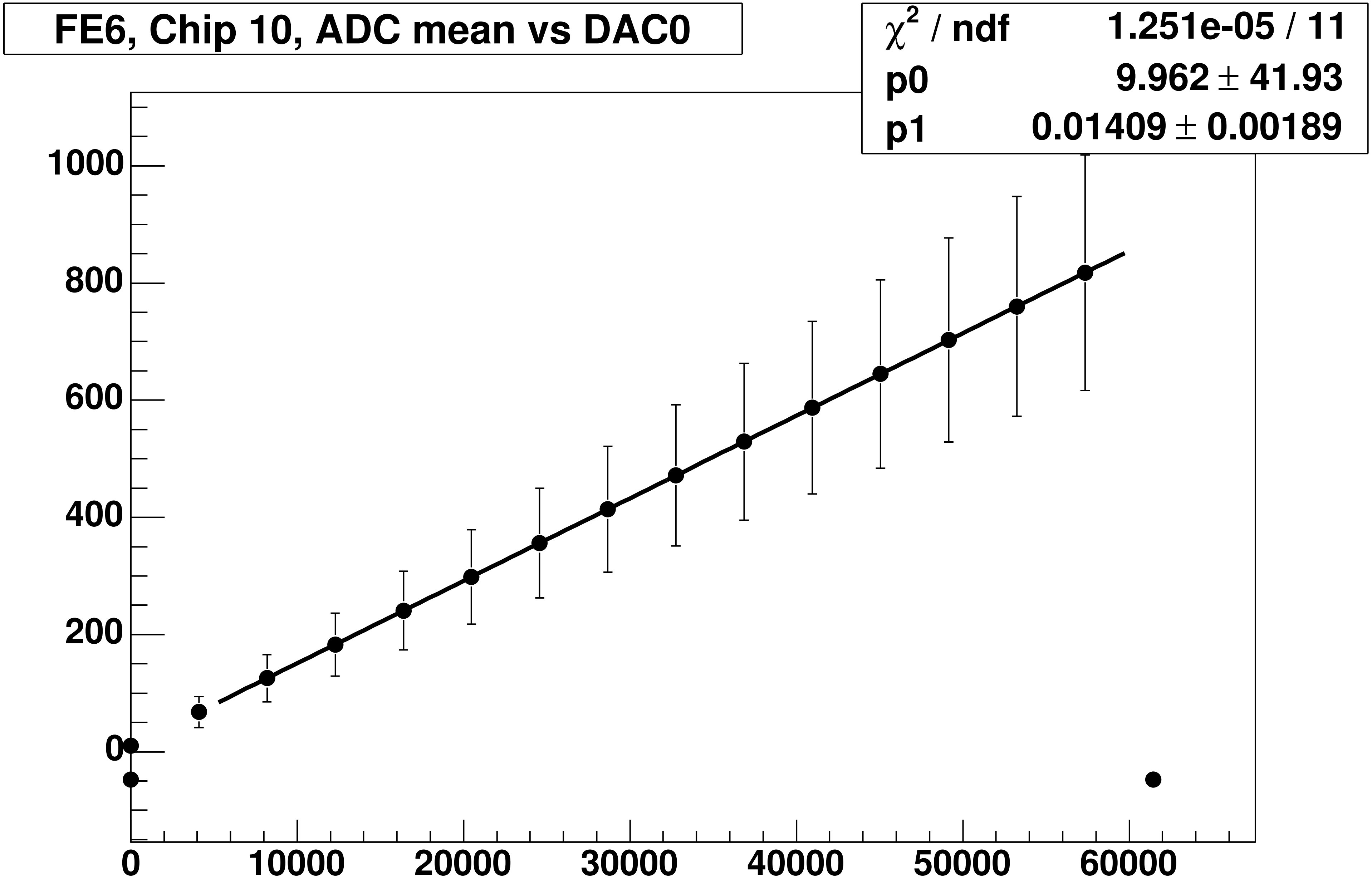
FE6, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



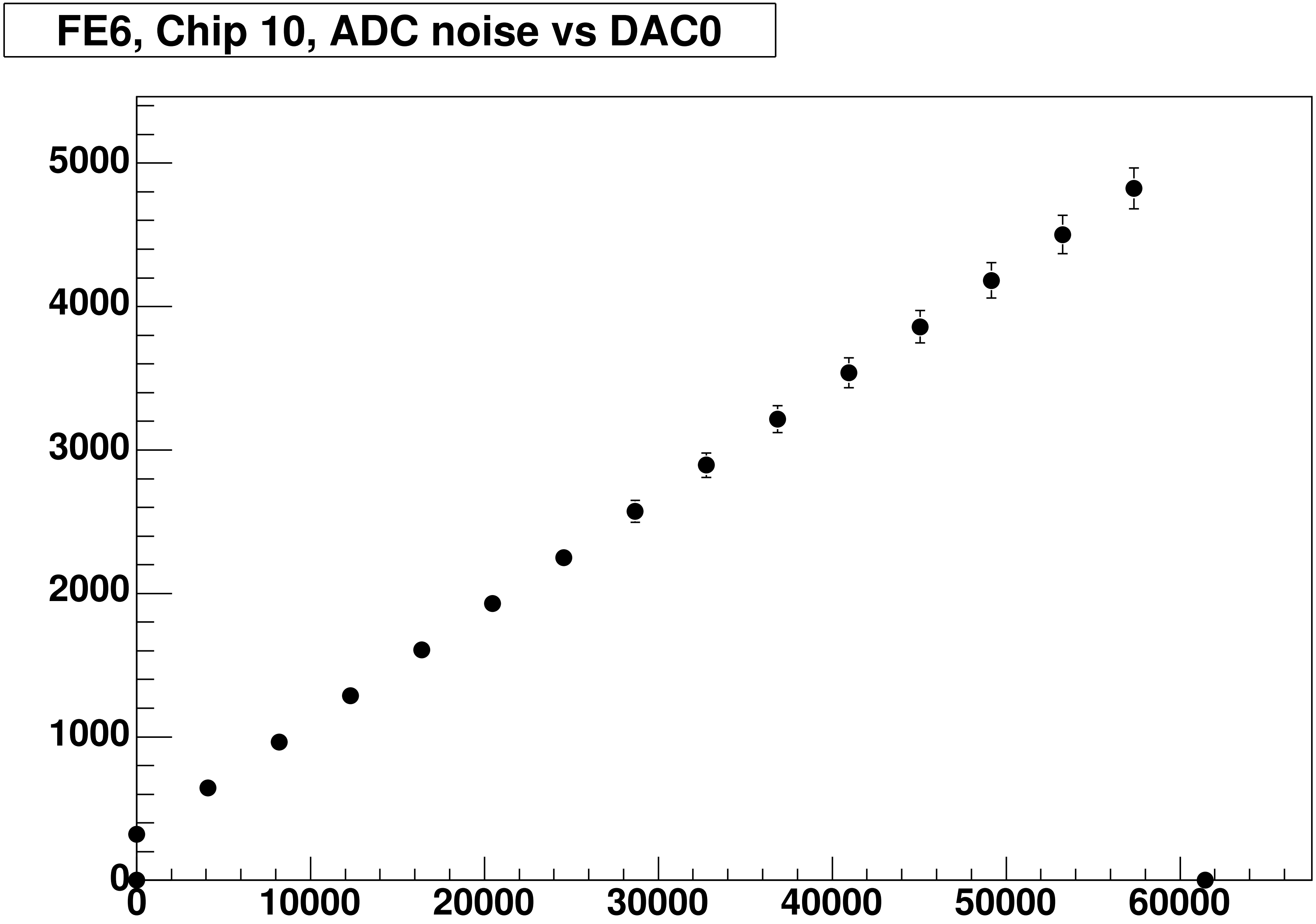
FE6, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0006296 / 11
p0 -43.17 ± 31.04
p1 0.4365 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

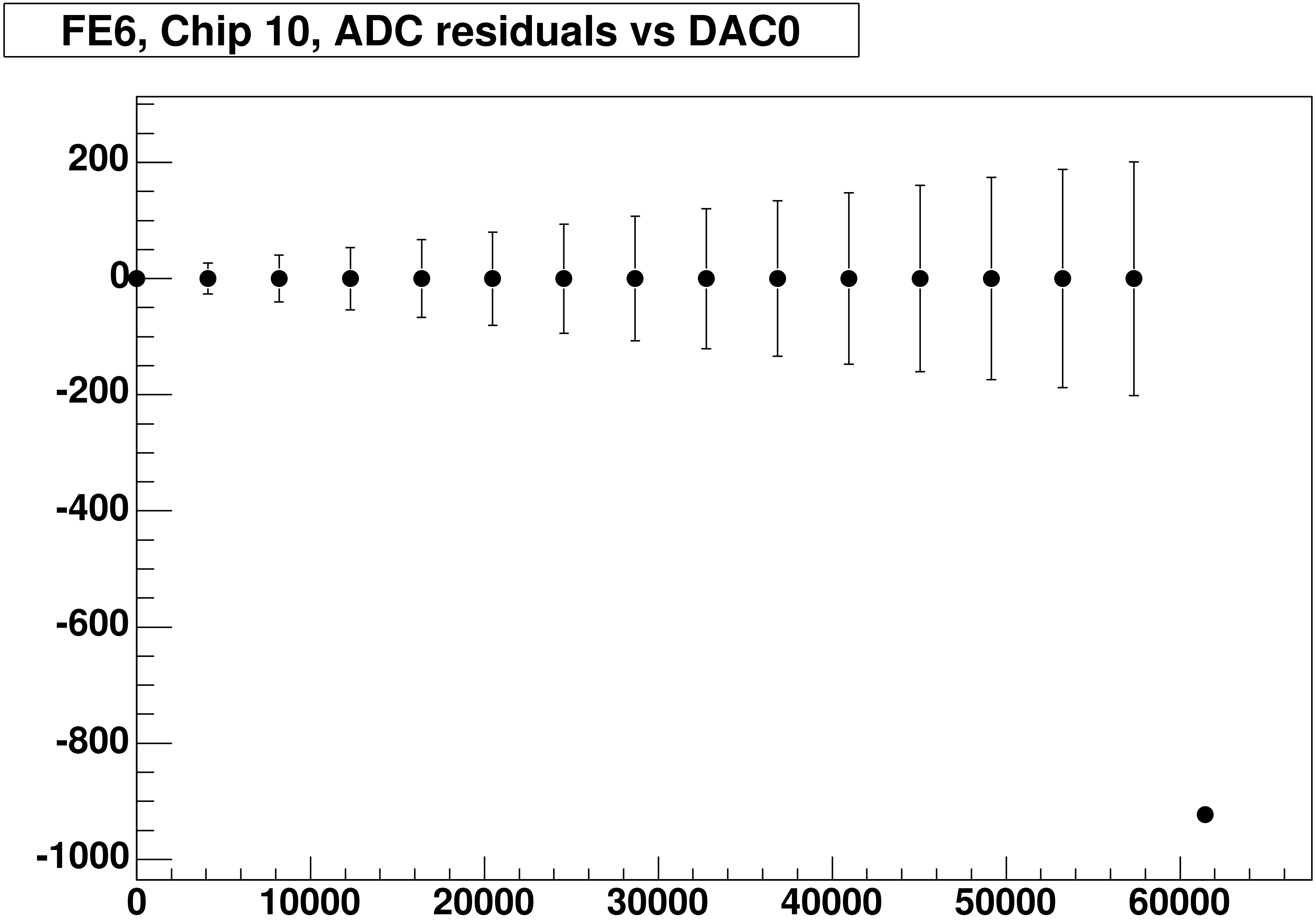

FE6, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

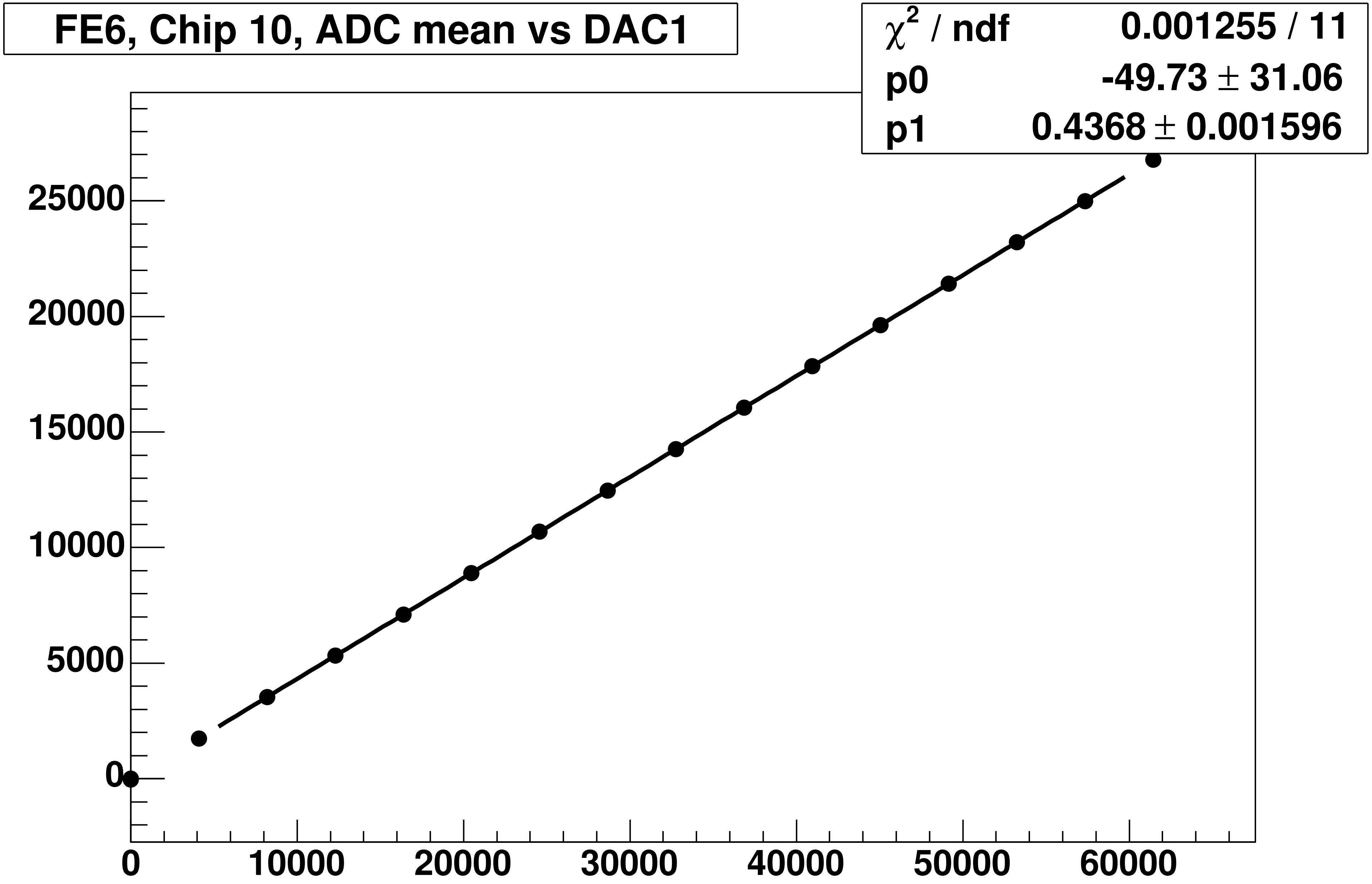

FE6, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

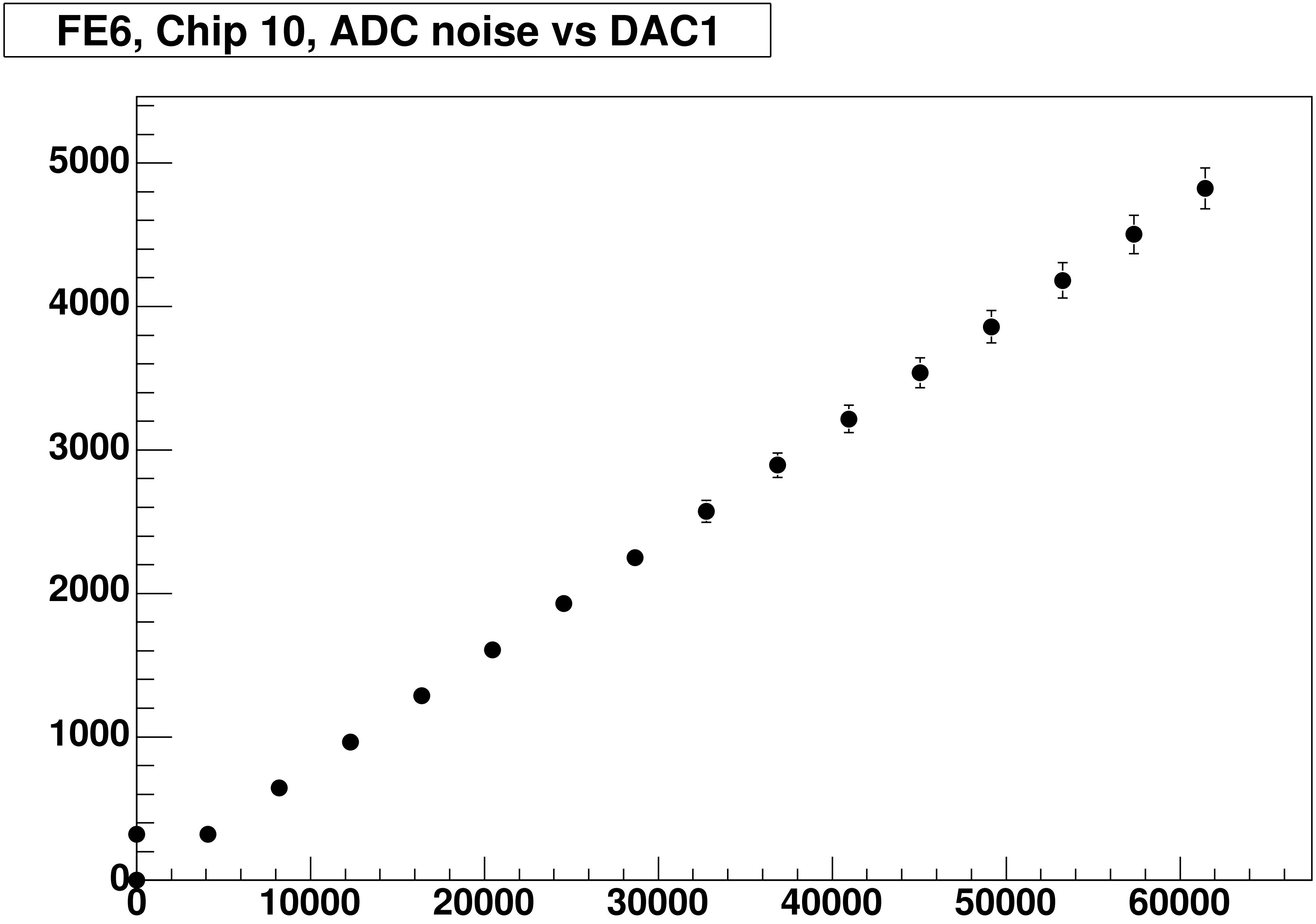


FE6, Chip 10, ADC mean vs DAC0
χ² / ndf 1.251e-05 / 11
p0 9.962 ± 41.93
p1 0.01409 ± 0.00189
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

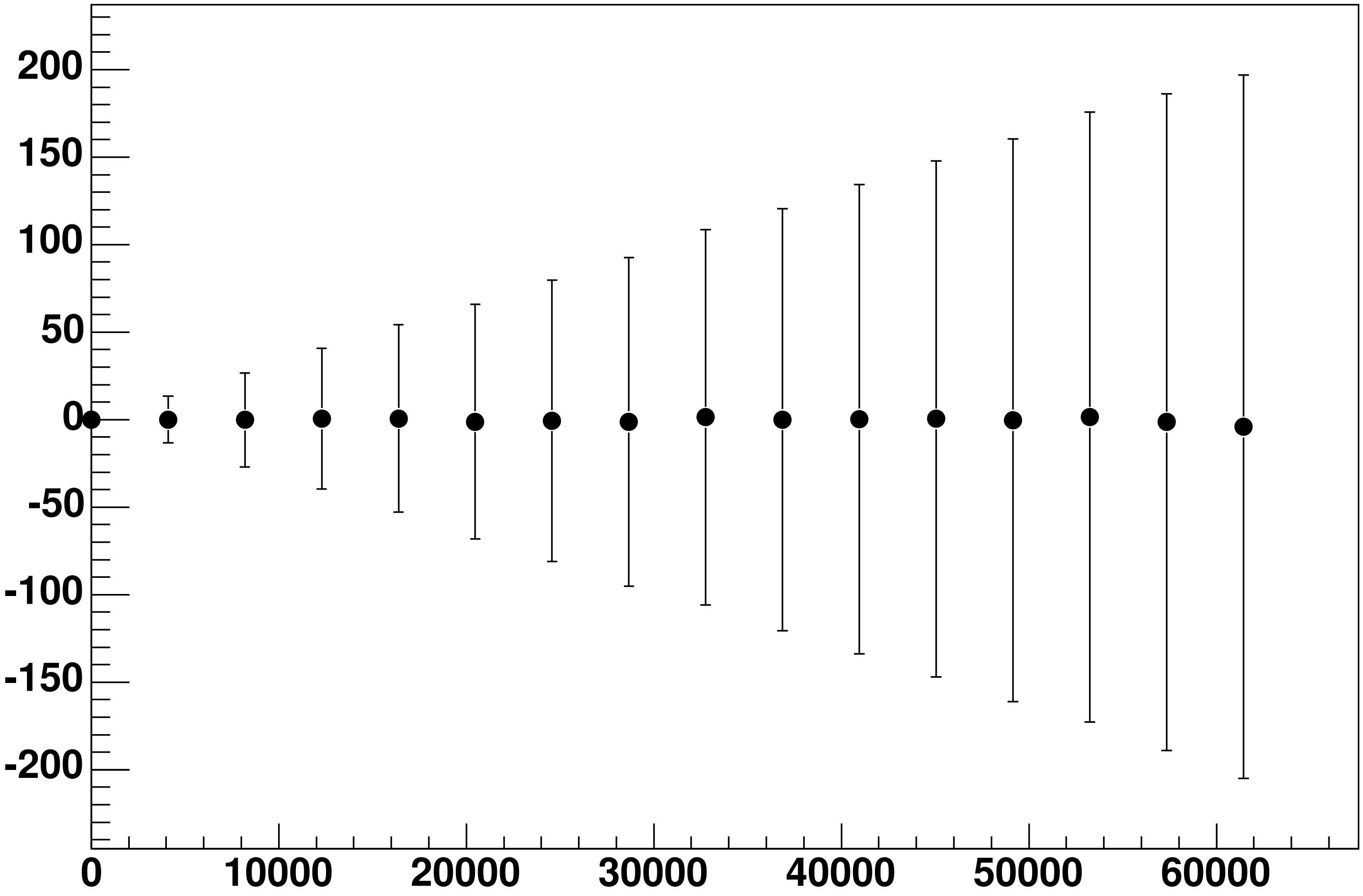

FE6, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

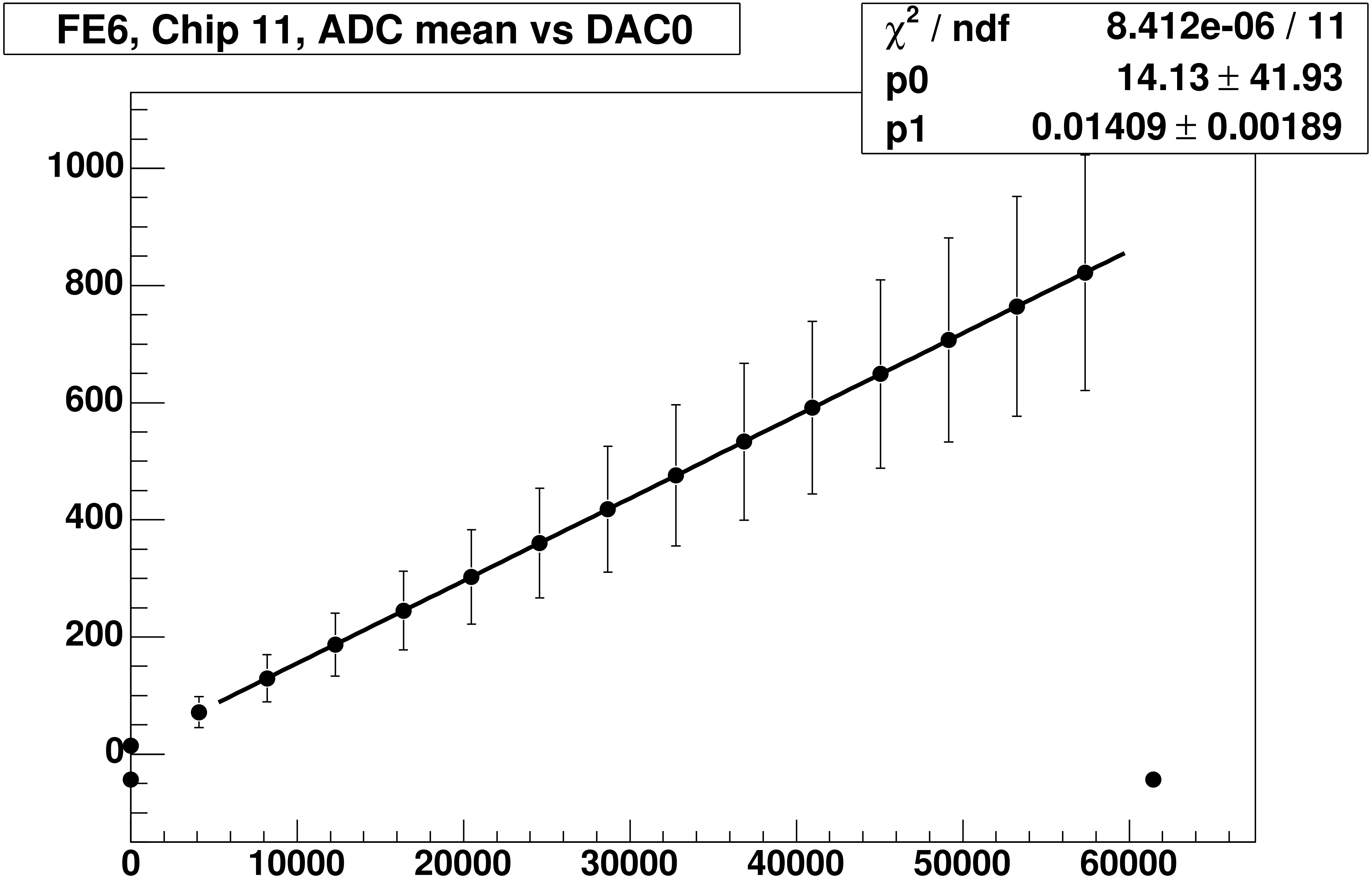

FE6, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE6, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001255 / 11
p0 -49.73 ± 31.06
p1 0.4368 ± 0.001596
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

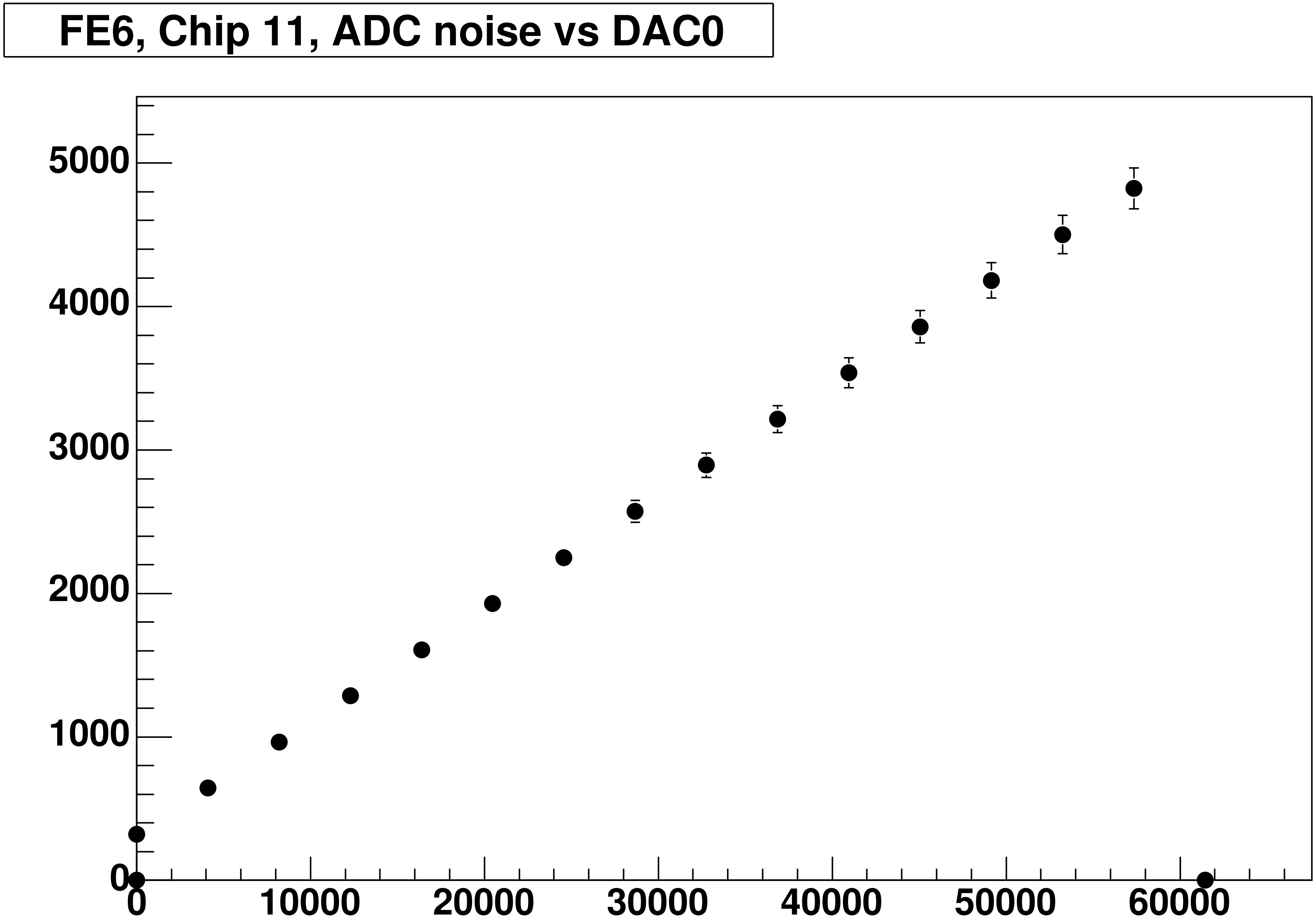

FE6, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

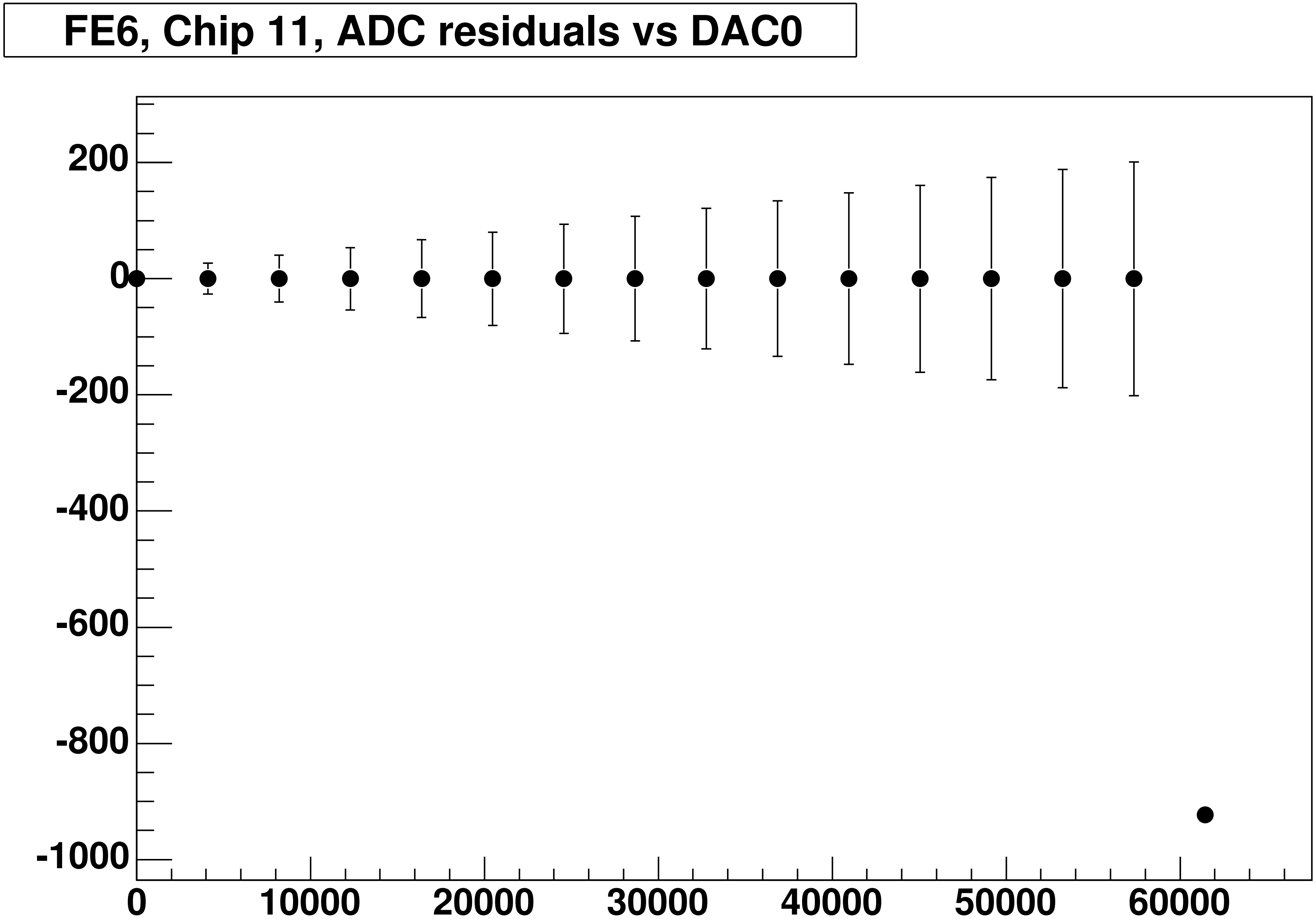
FE6, Chip 10, ADC residuals vs DAC1



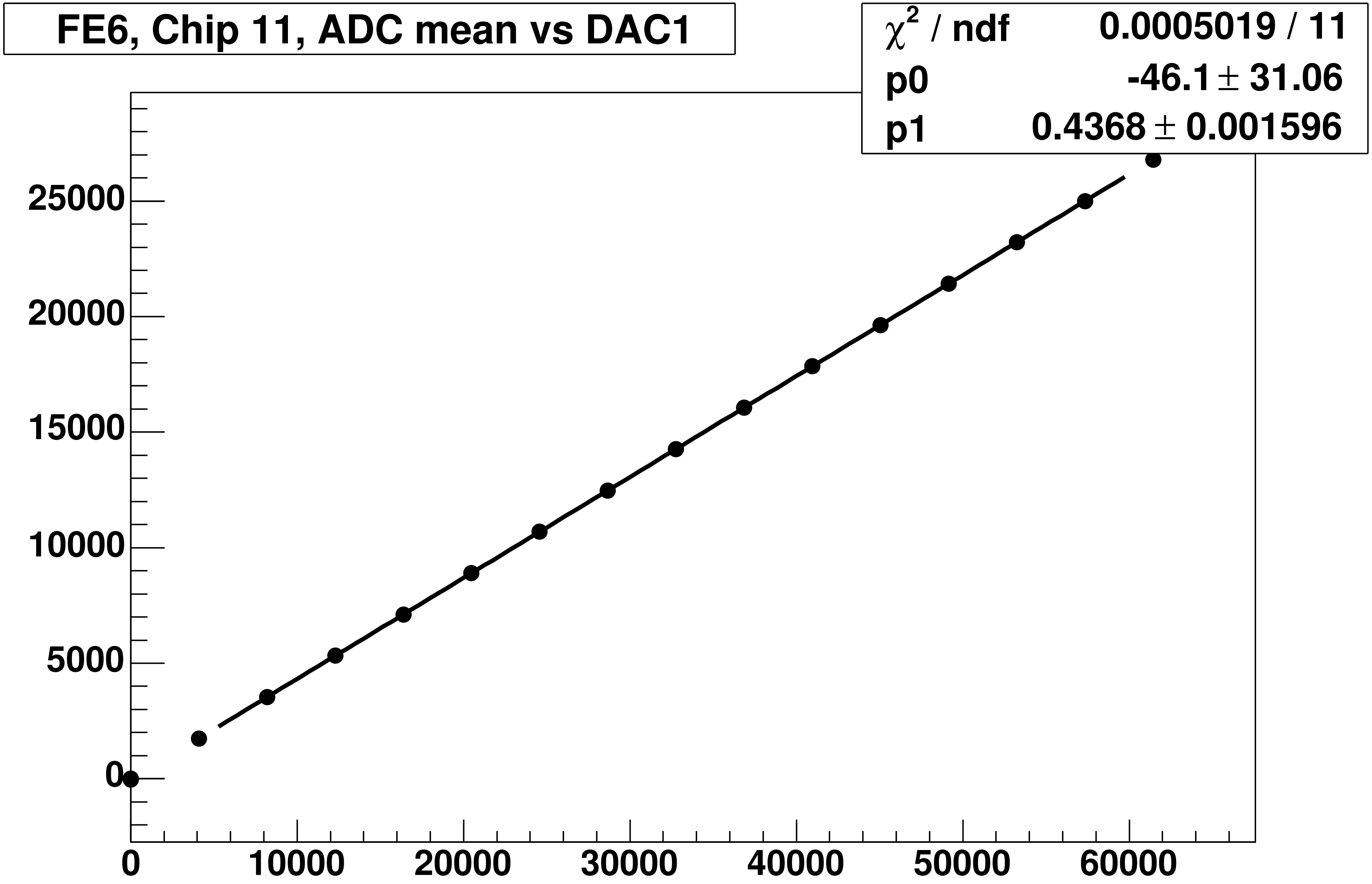


FE6, Chip 11, ADC mean vs DAC0
χ^2 / ndf 8.412e-06 / 11
p0 14.13 ± 41.93
p1 0.01409 ± 0.00189
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

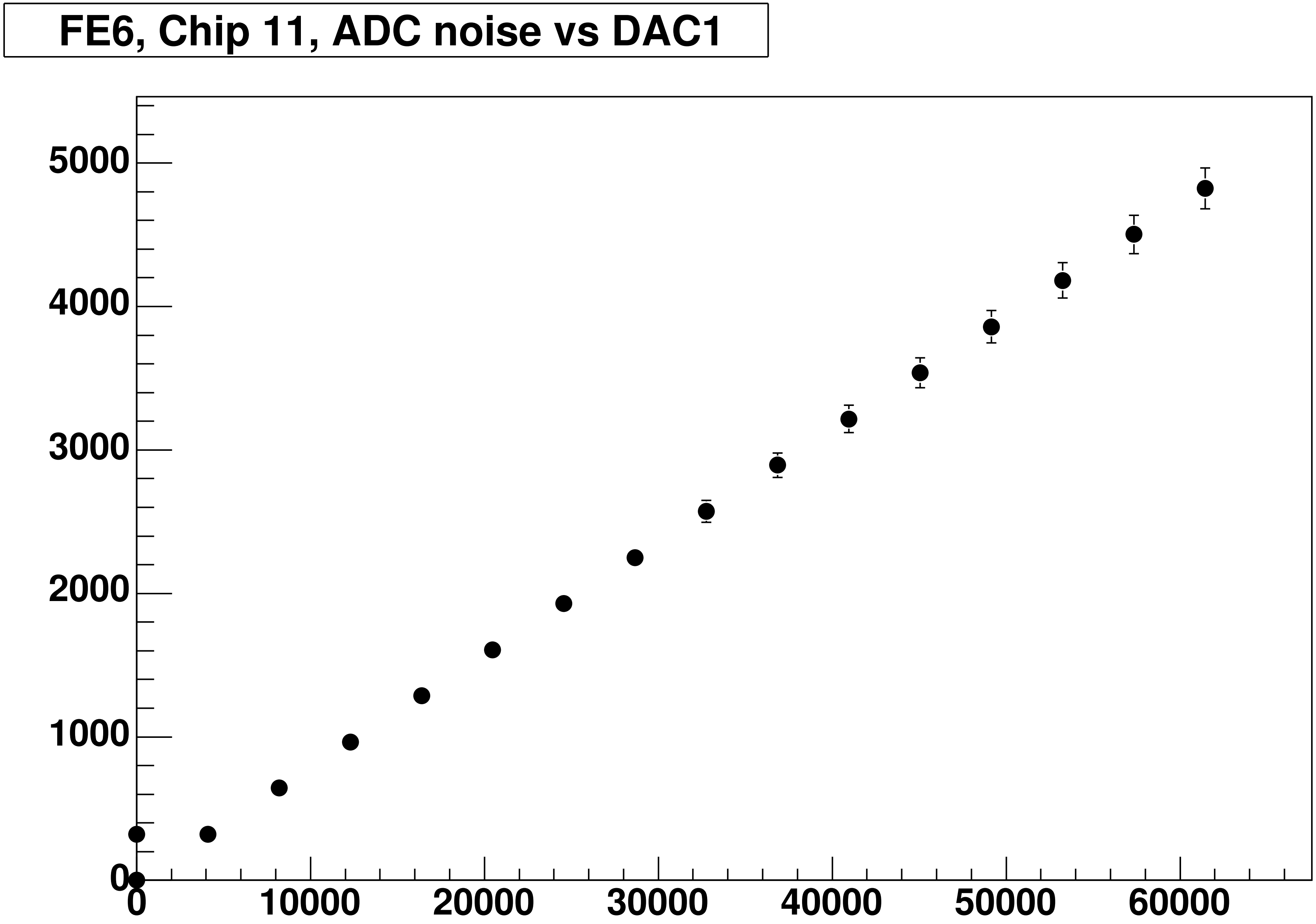

FE6, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



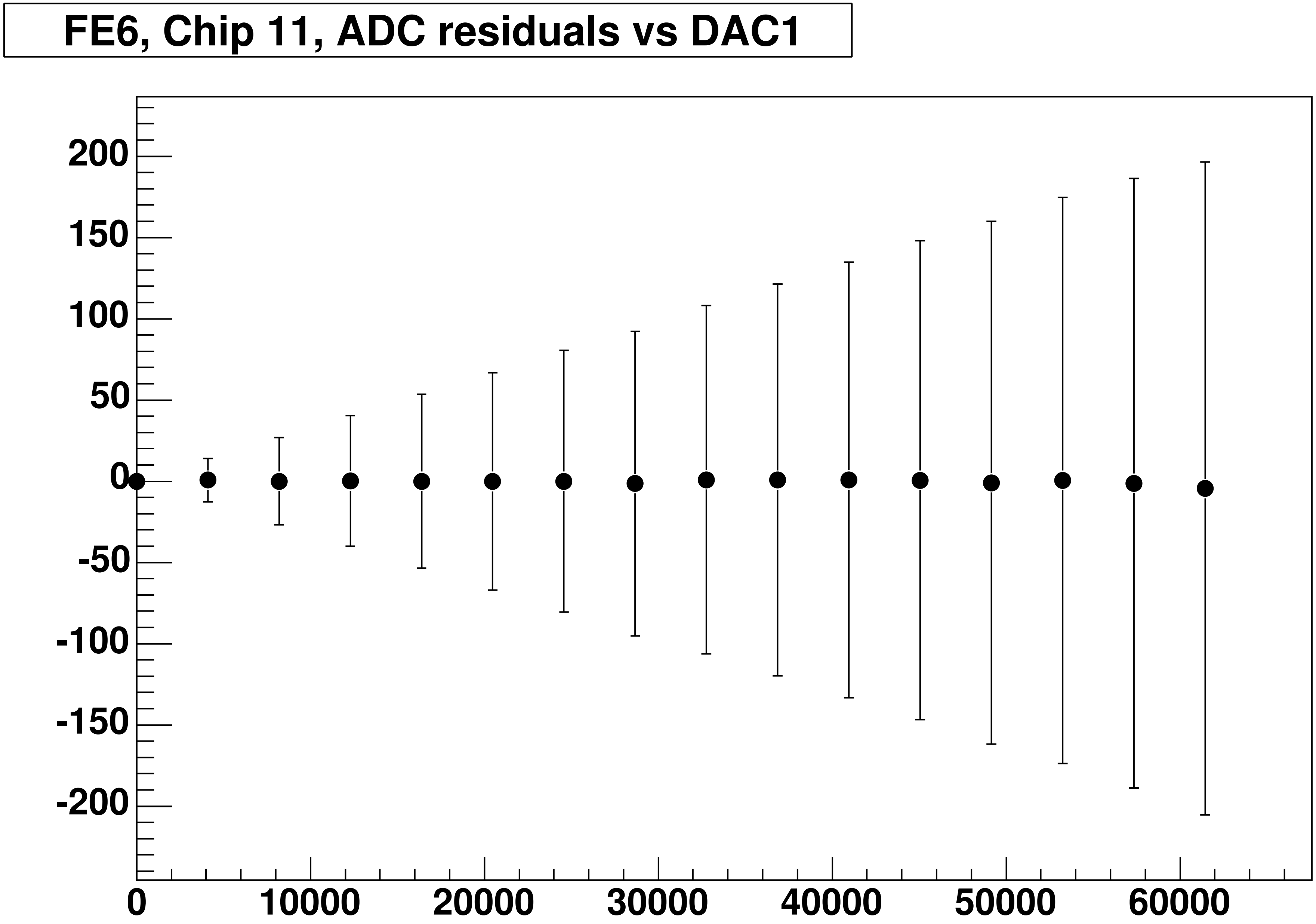
FE6, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

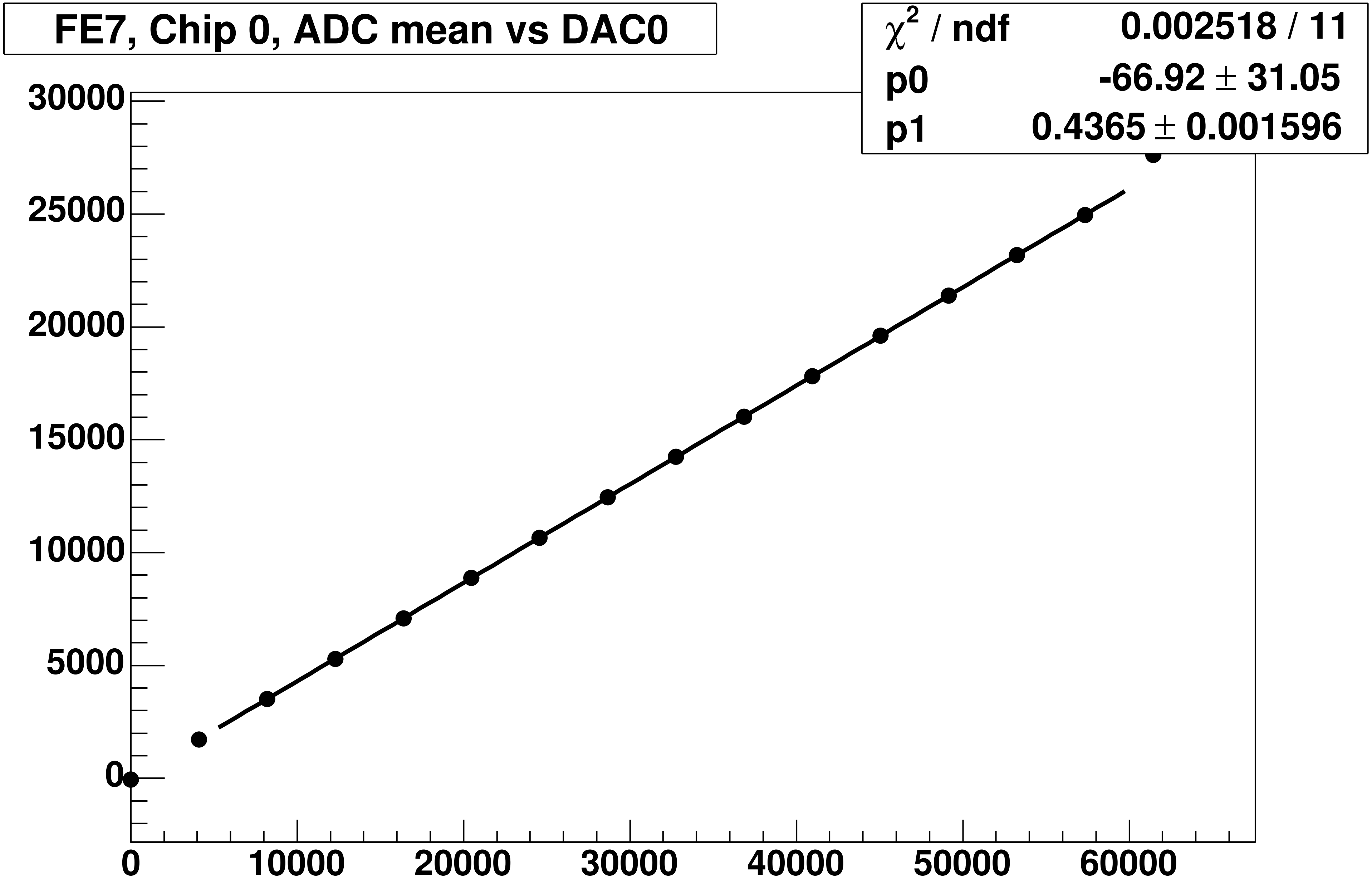


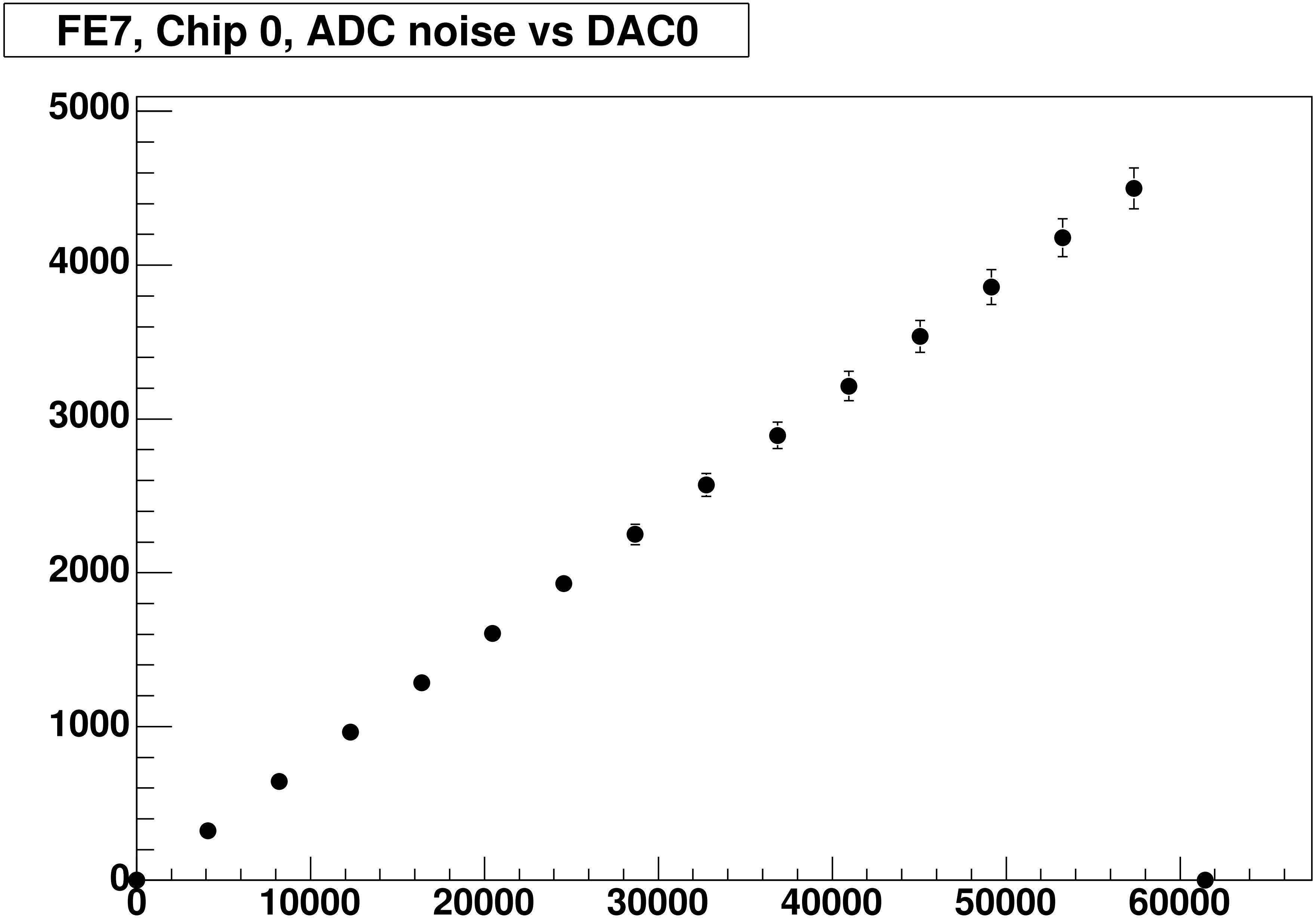
FE6, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0005019 / 11
p0 -46.1 ± 31.06
p1 0.4368 ± 0.001596
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

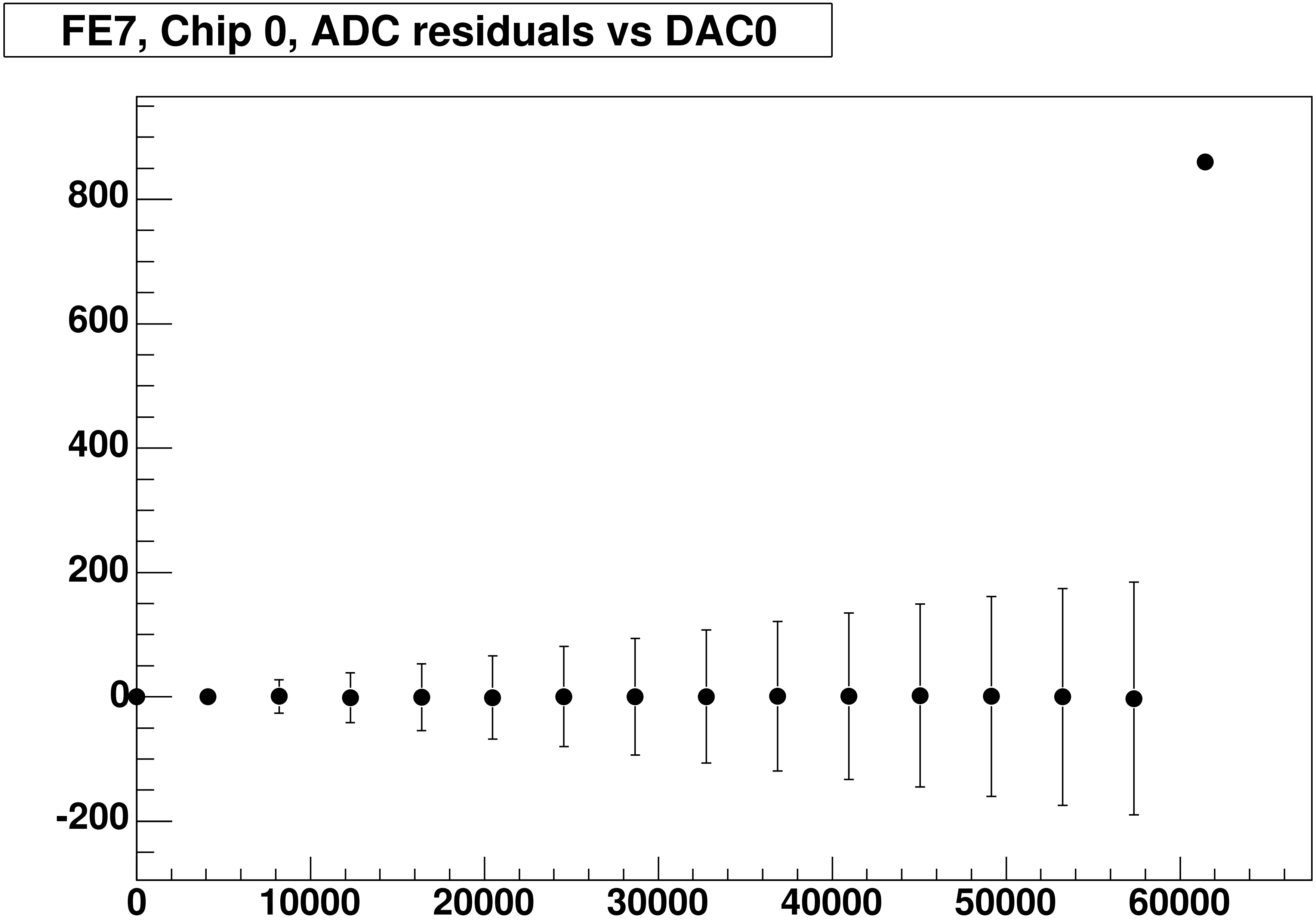


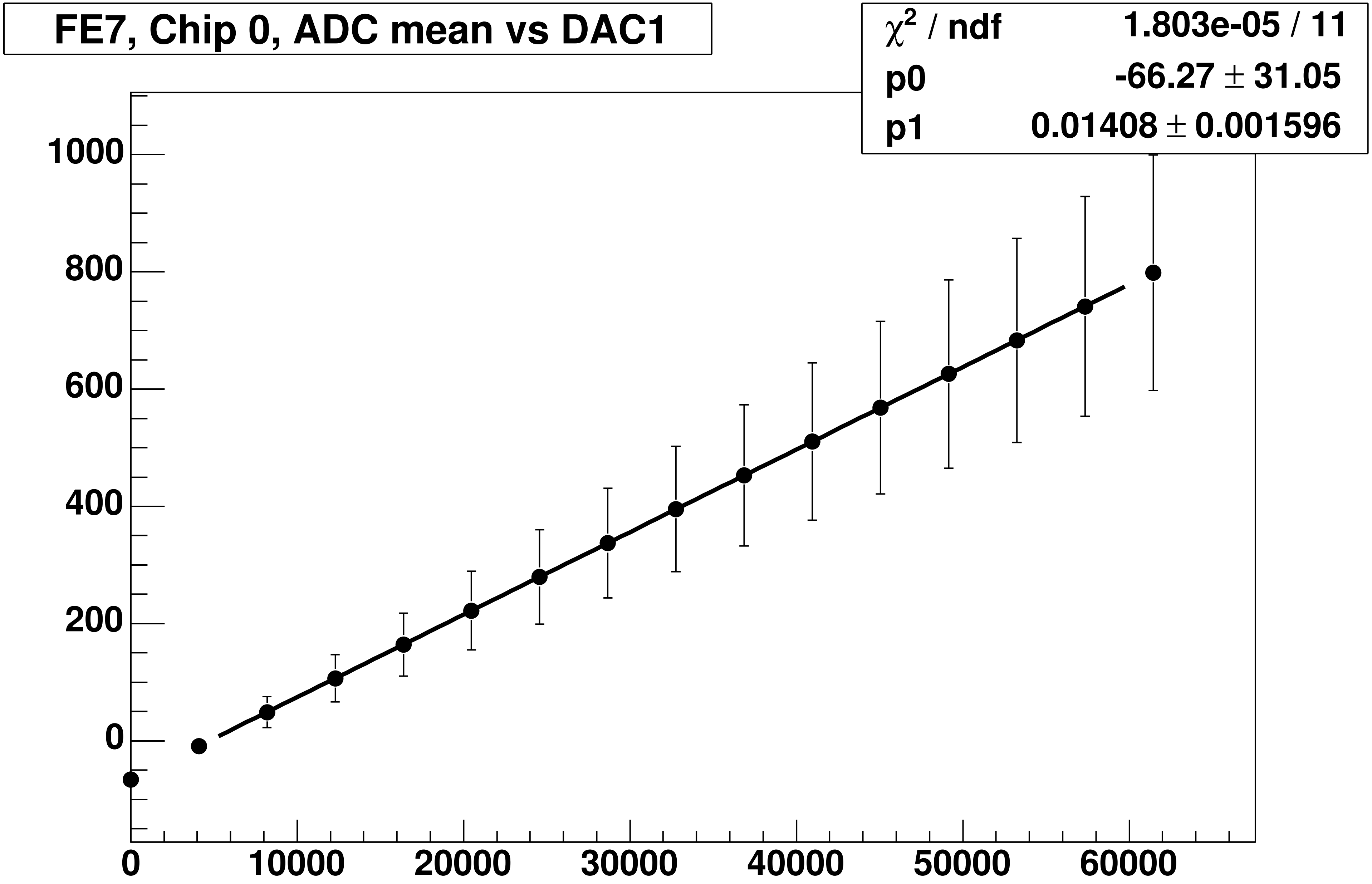
FE6, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

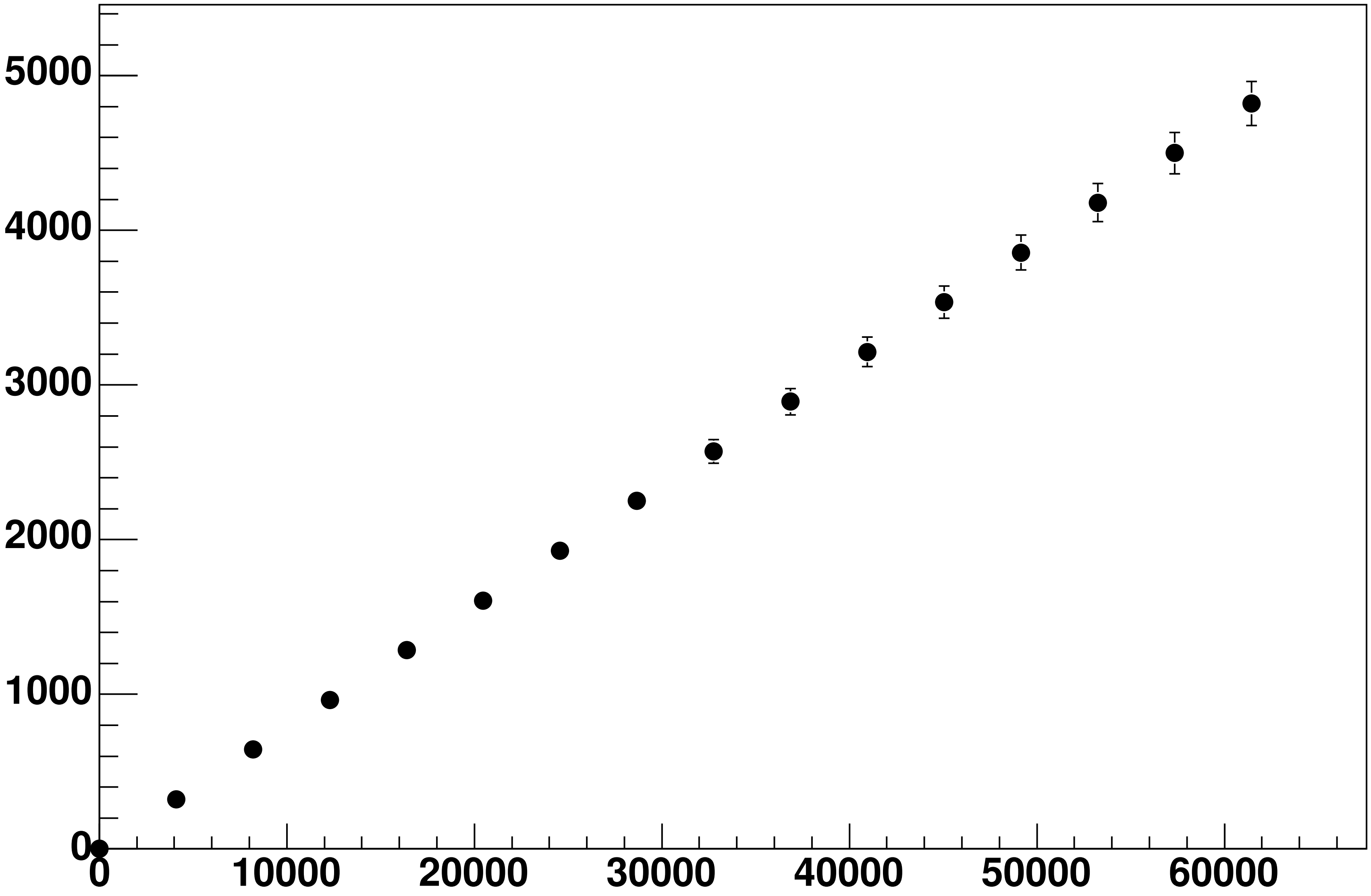

FE7, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.002518 / 11
p0 -66.92 ± 31.05
p1 0.4365 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

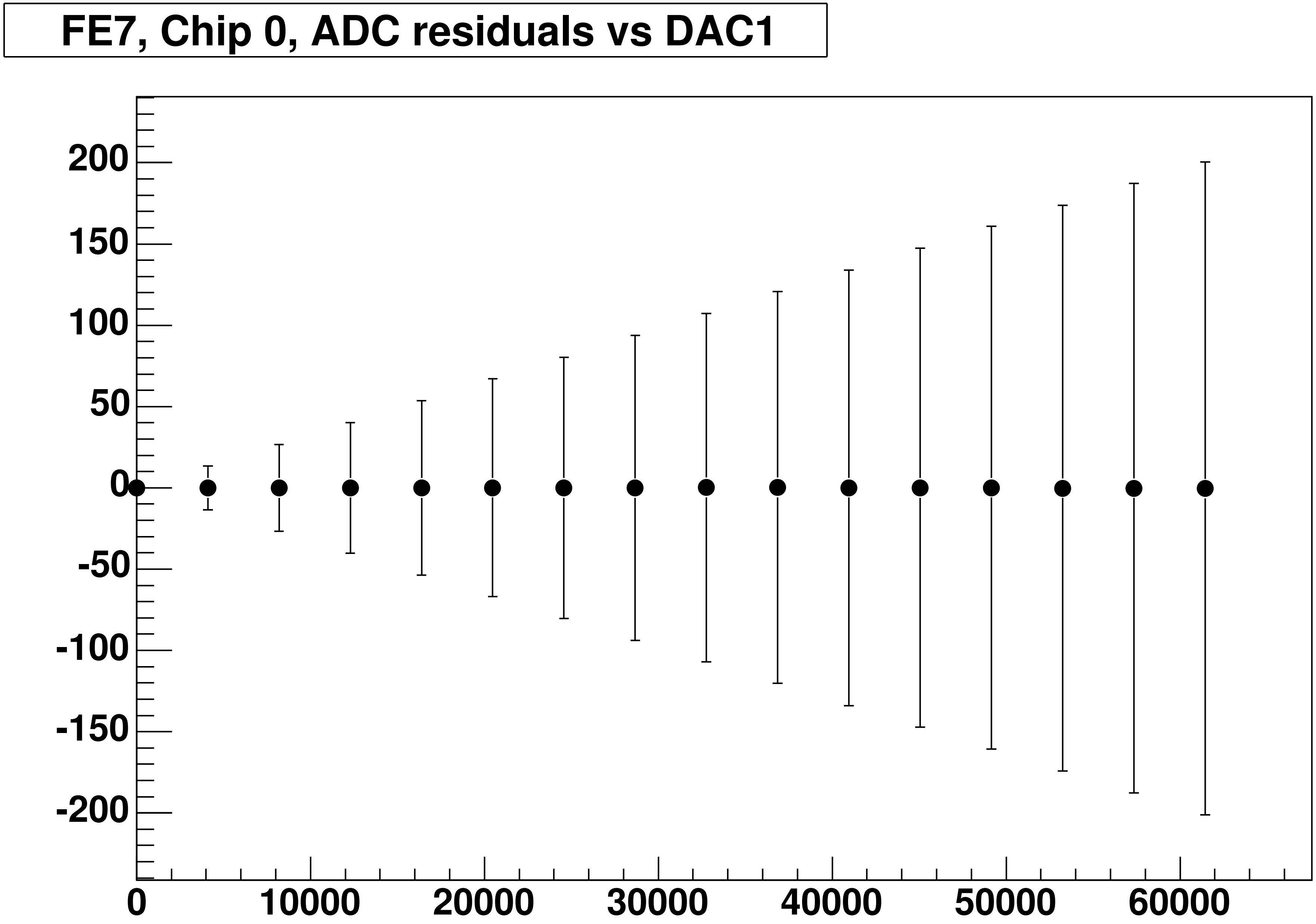

FE7, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

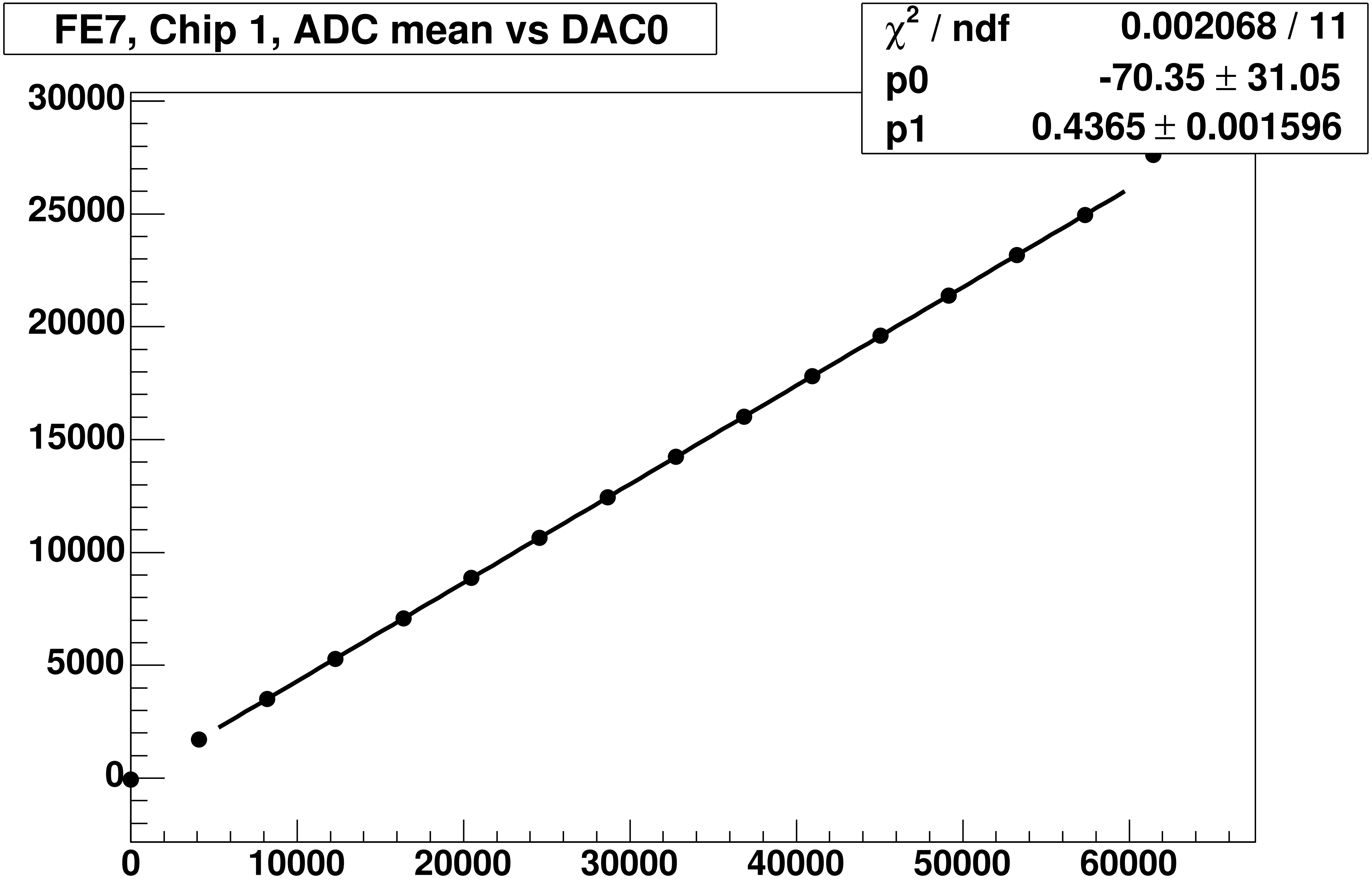

FE7, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 0, ADC mean vs DAC1
χ^2 / ndf 1.803e-05 / 11
p0 -66.27 ± 31.05
p1 0.01408 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

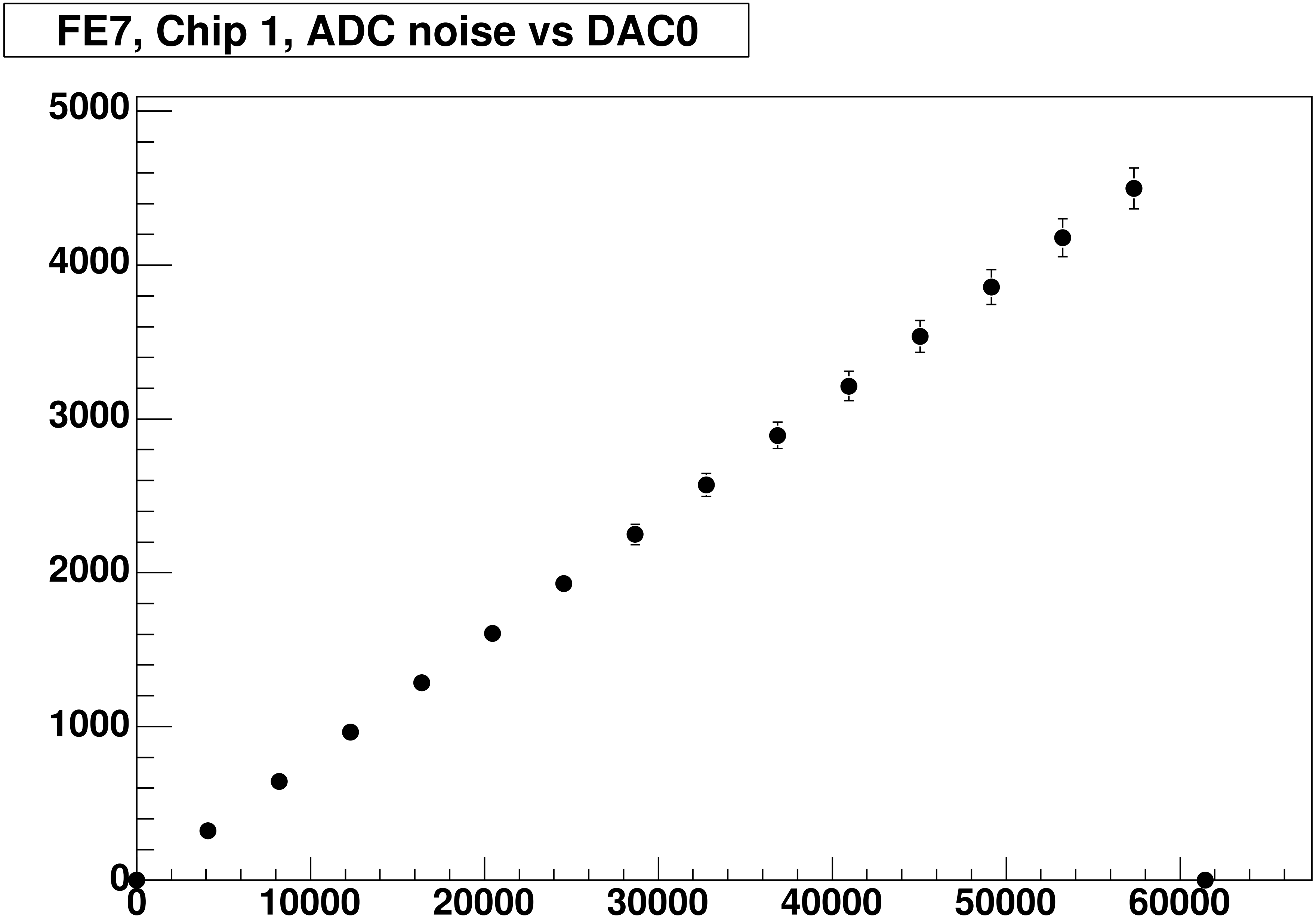
FE7, Chip 0, ADC noise vs DAC1



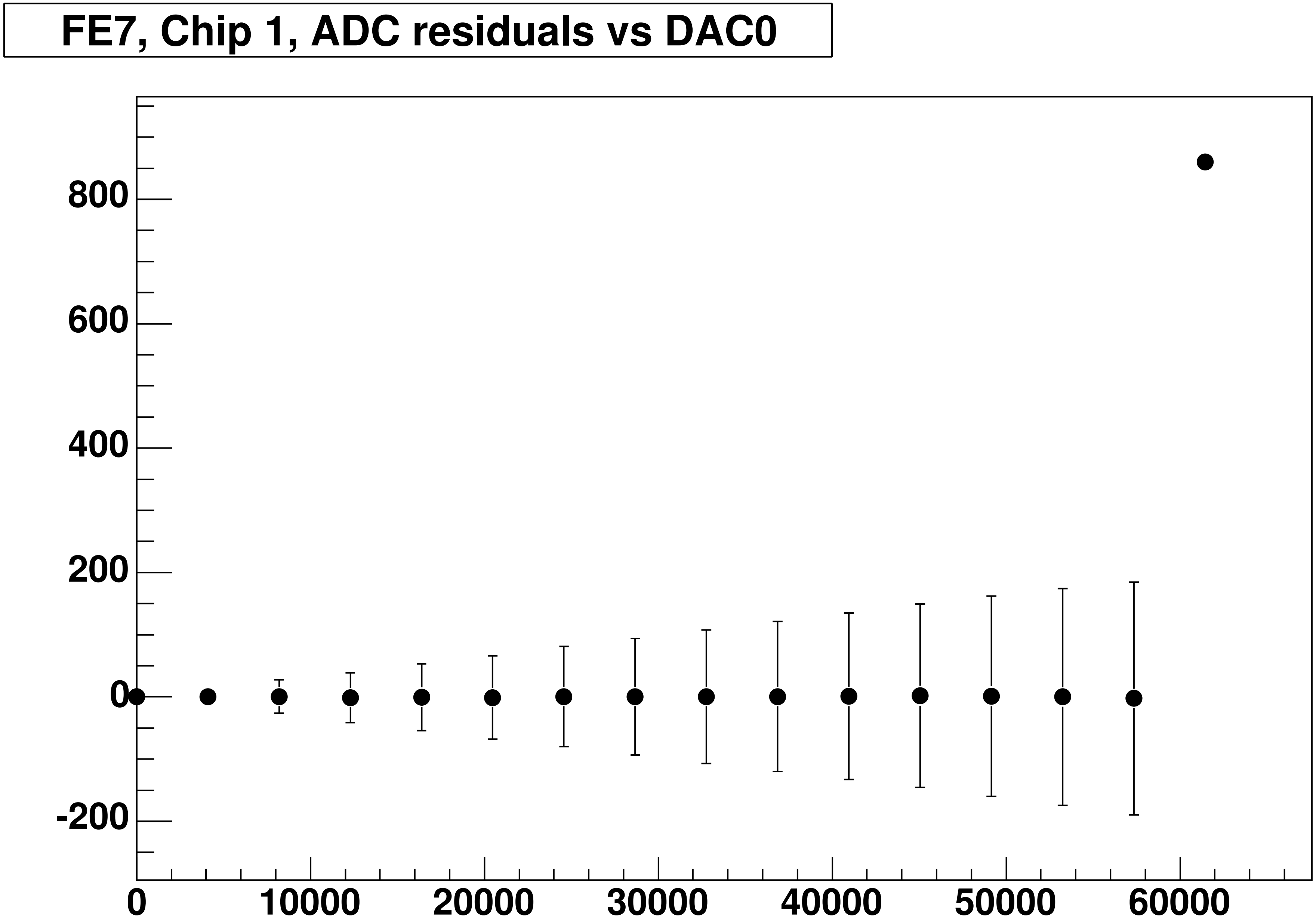

FE7, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



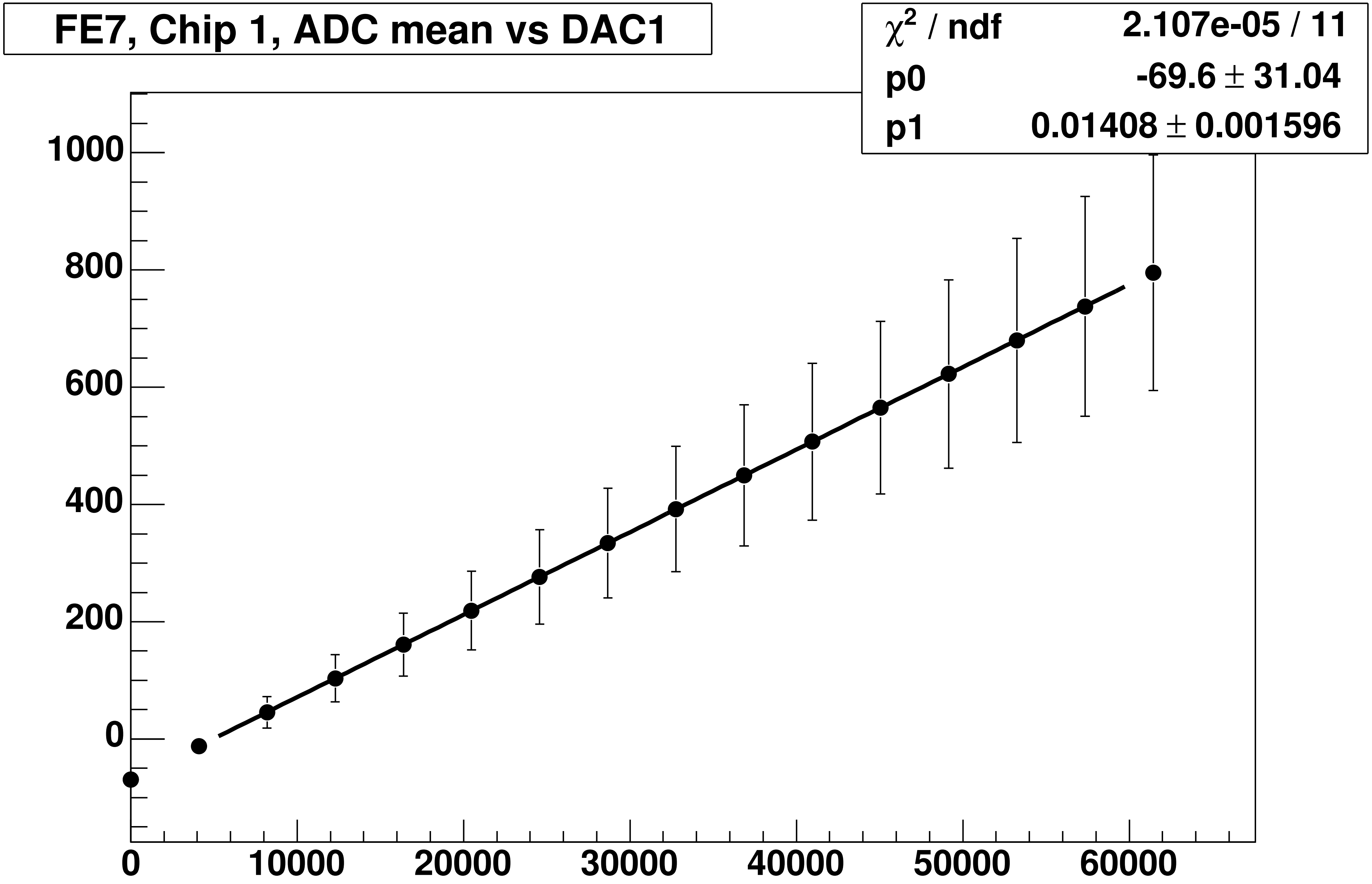
FE7, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.002068 / 11
p0 -70.35 ± 31.05
p1 0.4365 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



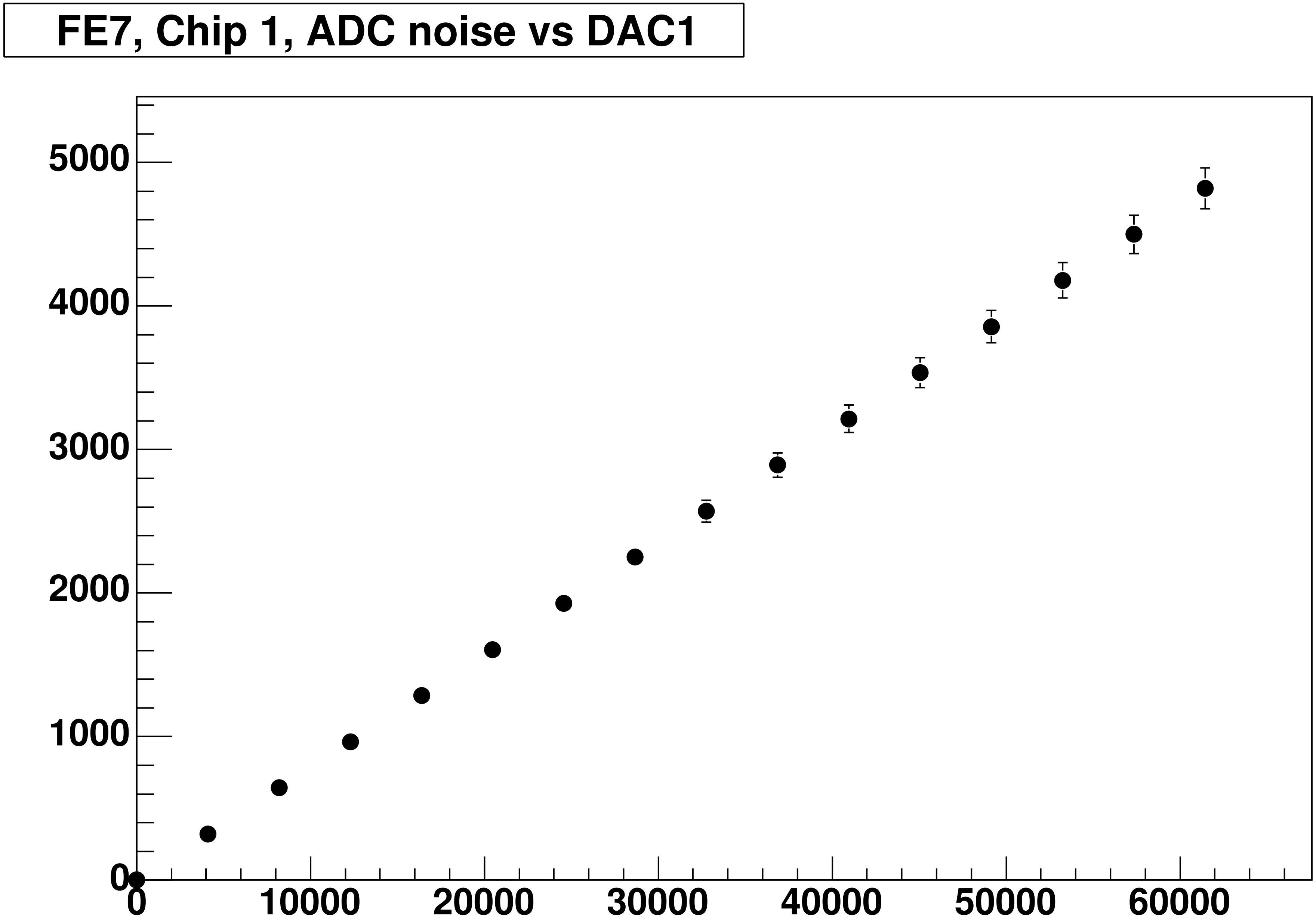
FE7, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

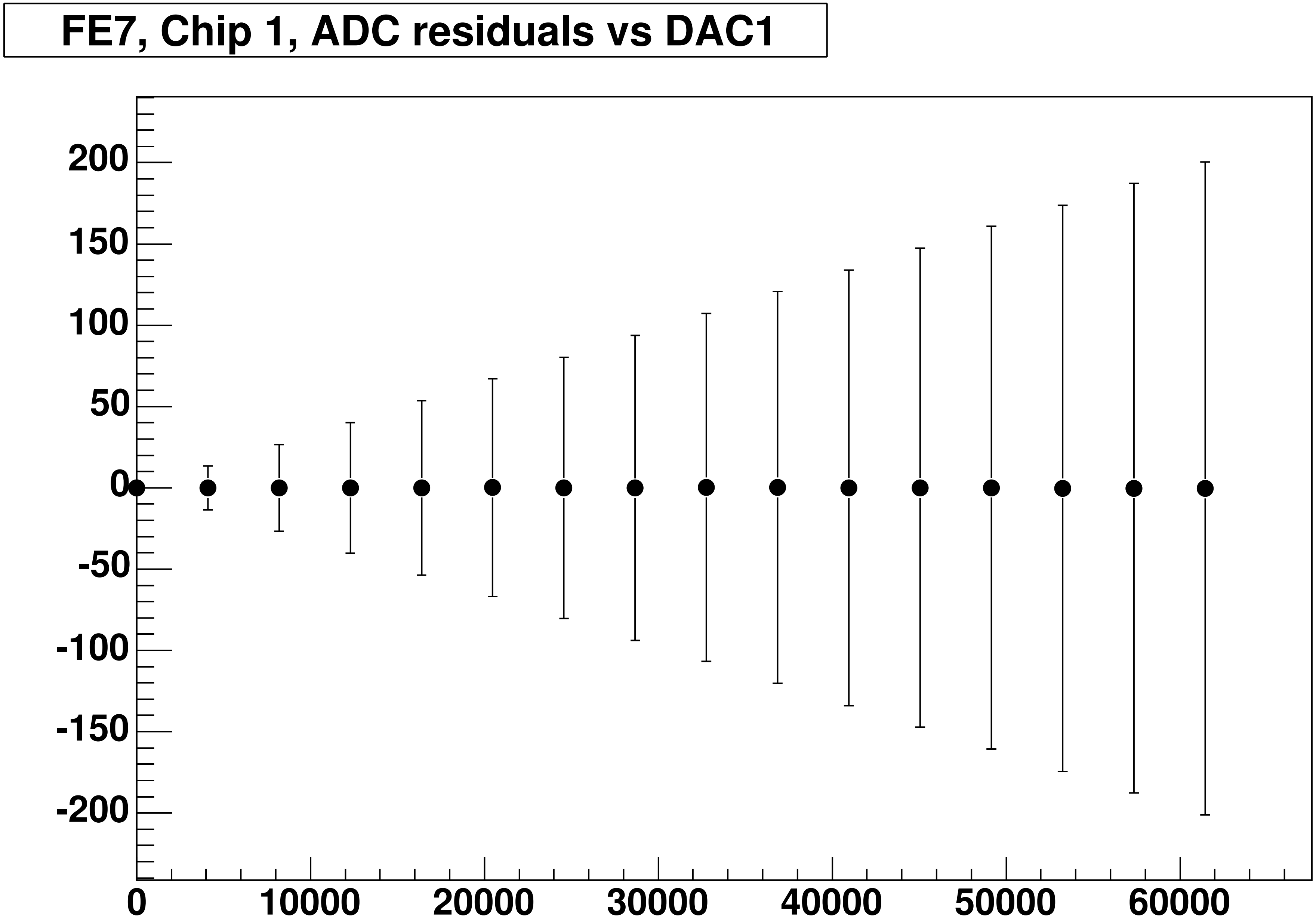


FE7, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

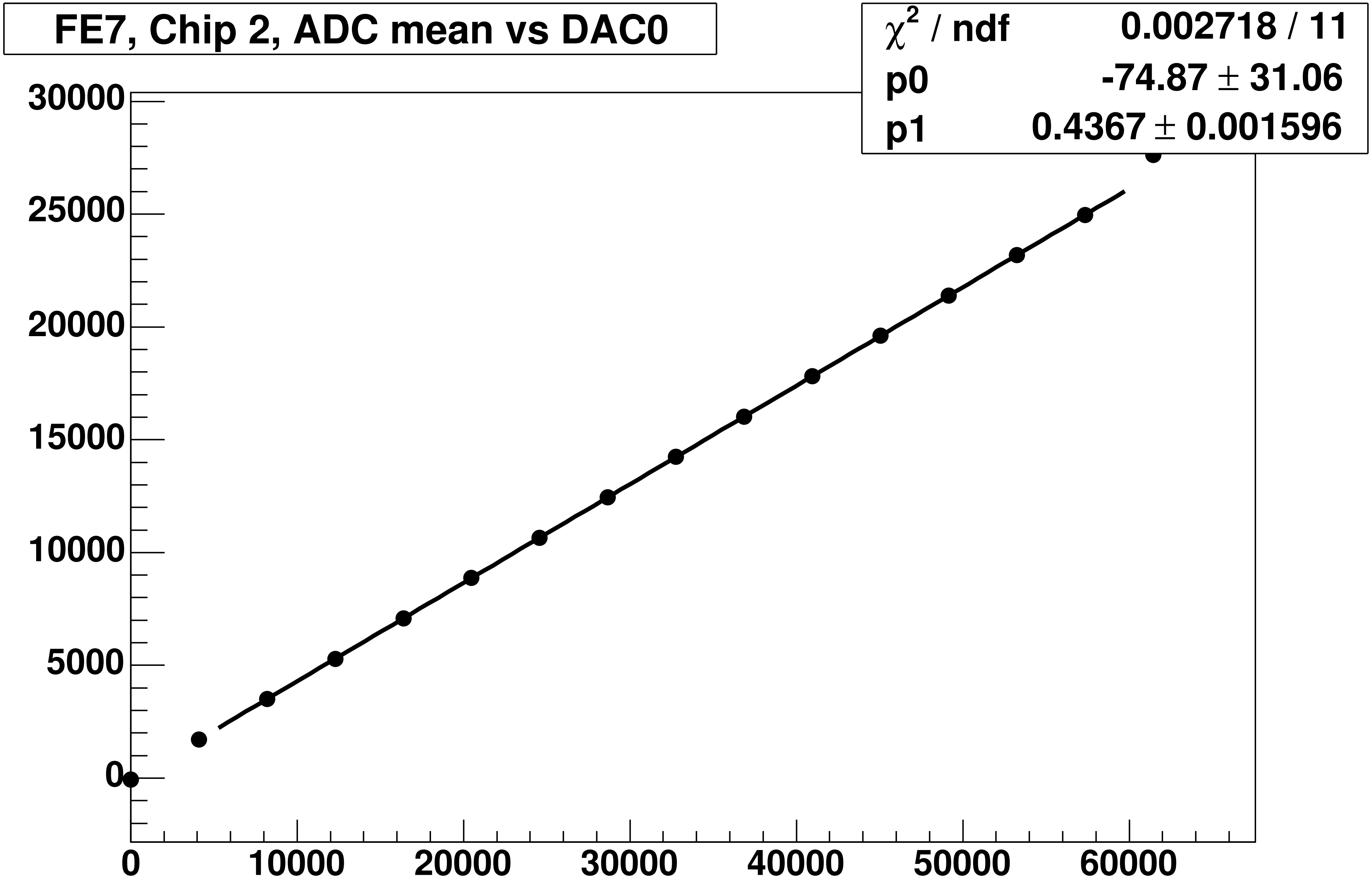


FE7, Chip 1, ADC mean vs DAC1
χ^2 / ndf 2.107e-05 / 11
p0 -69.6 ± 31.04
p1 0.01408 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

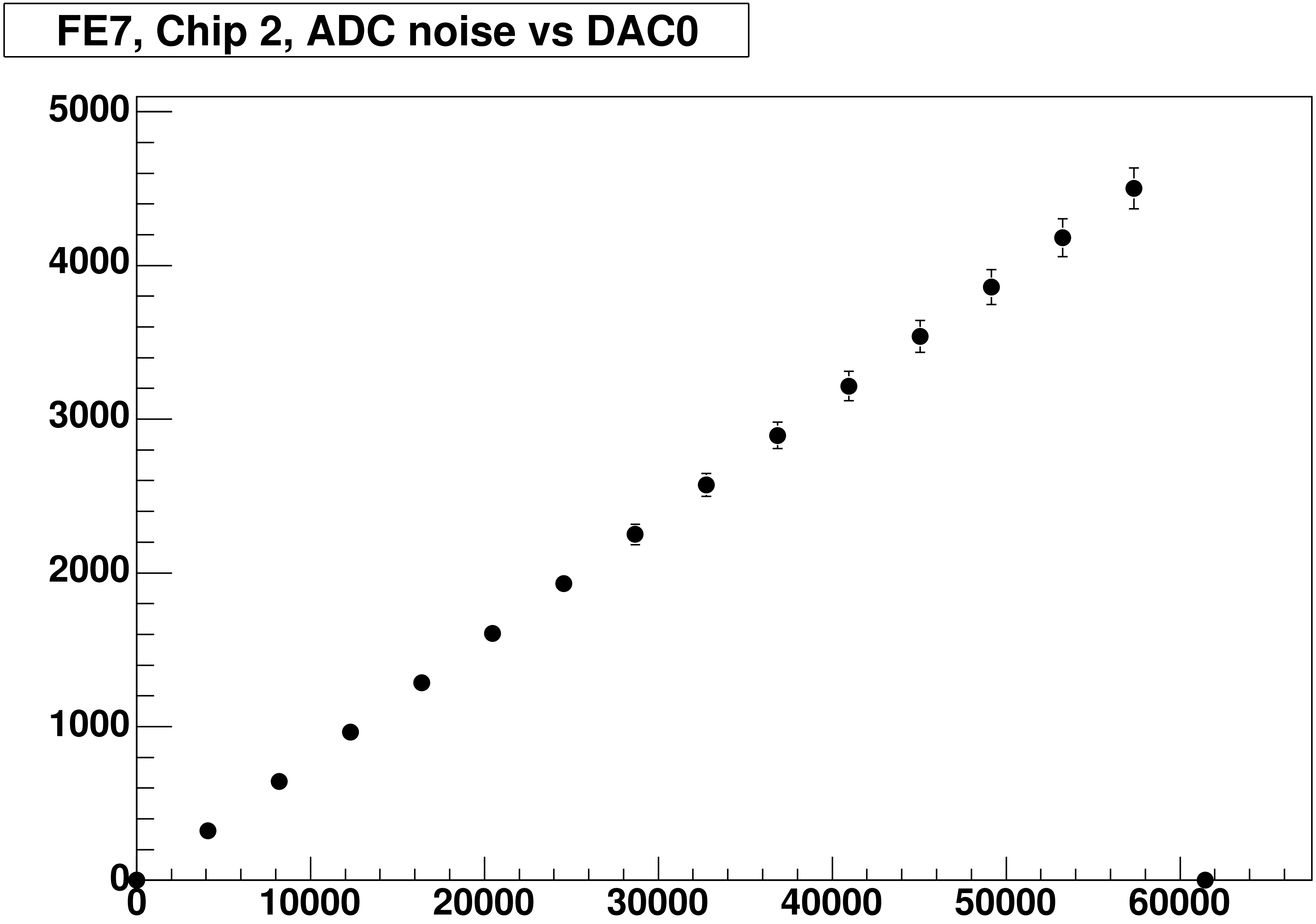

FE7, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



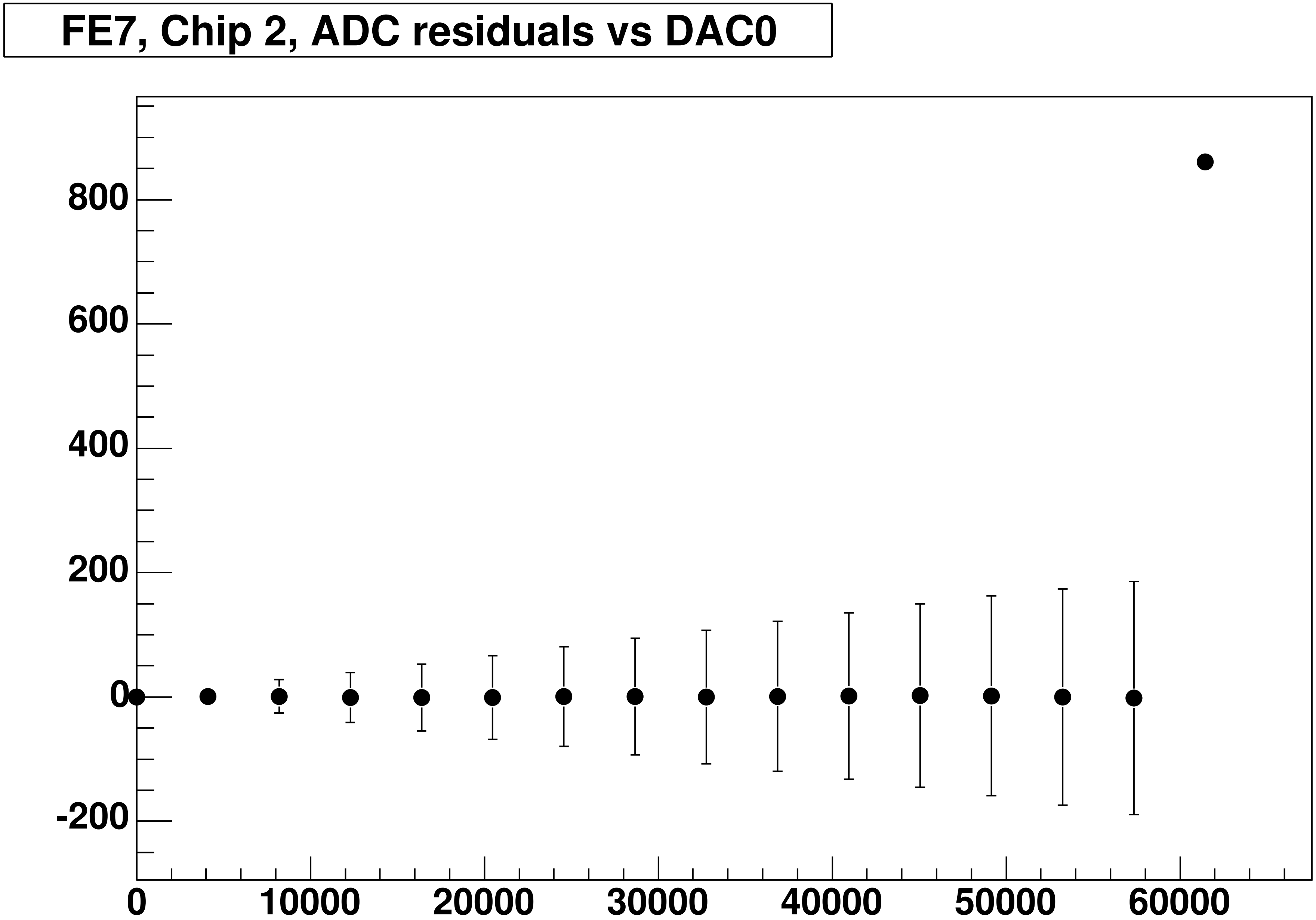
FE7, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

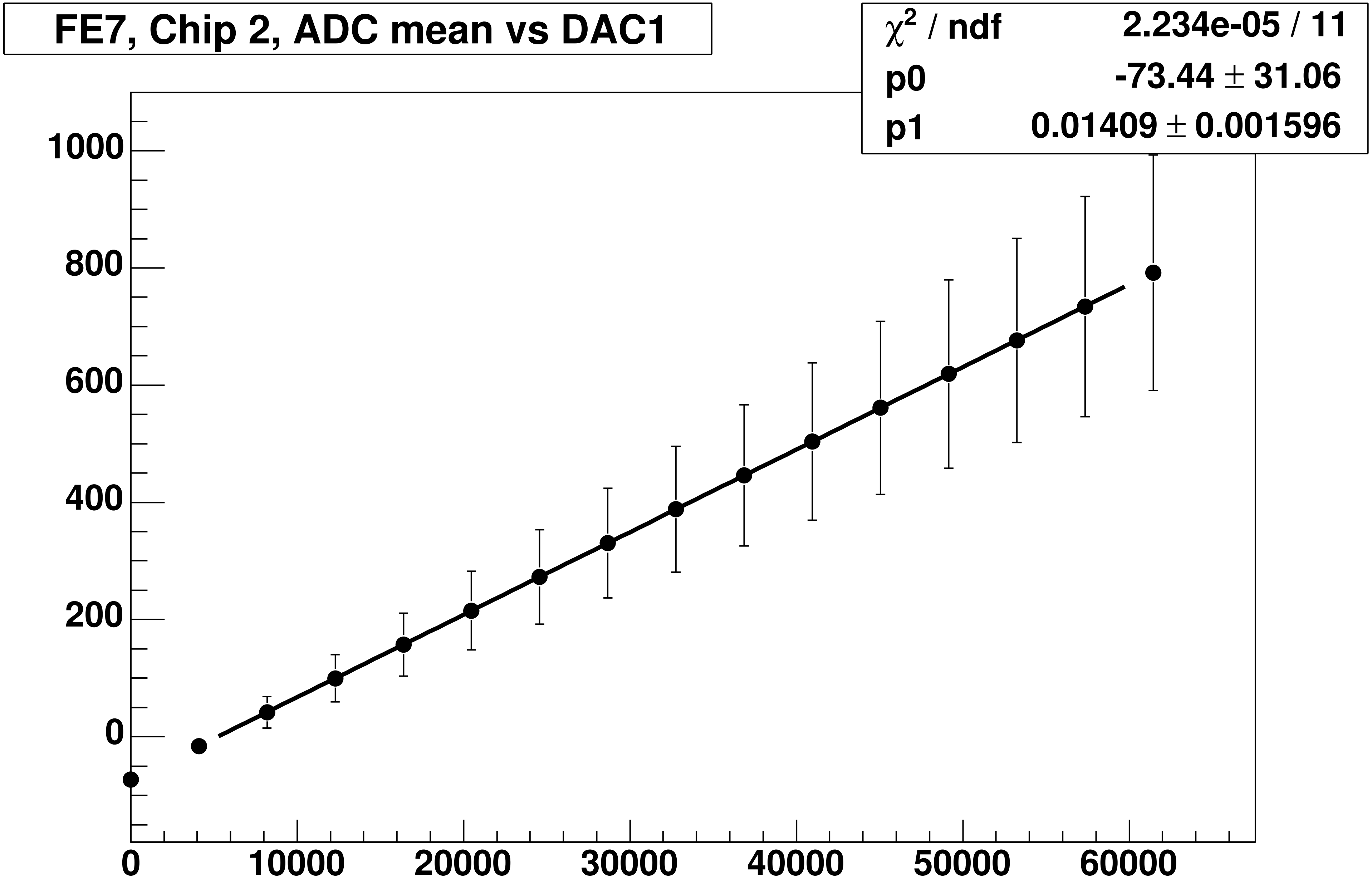


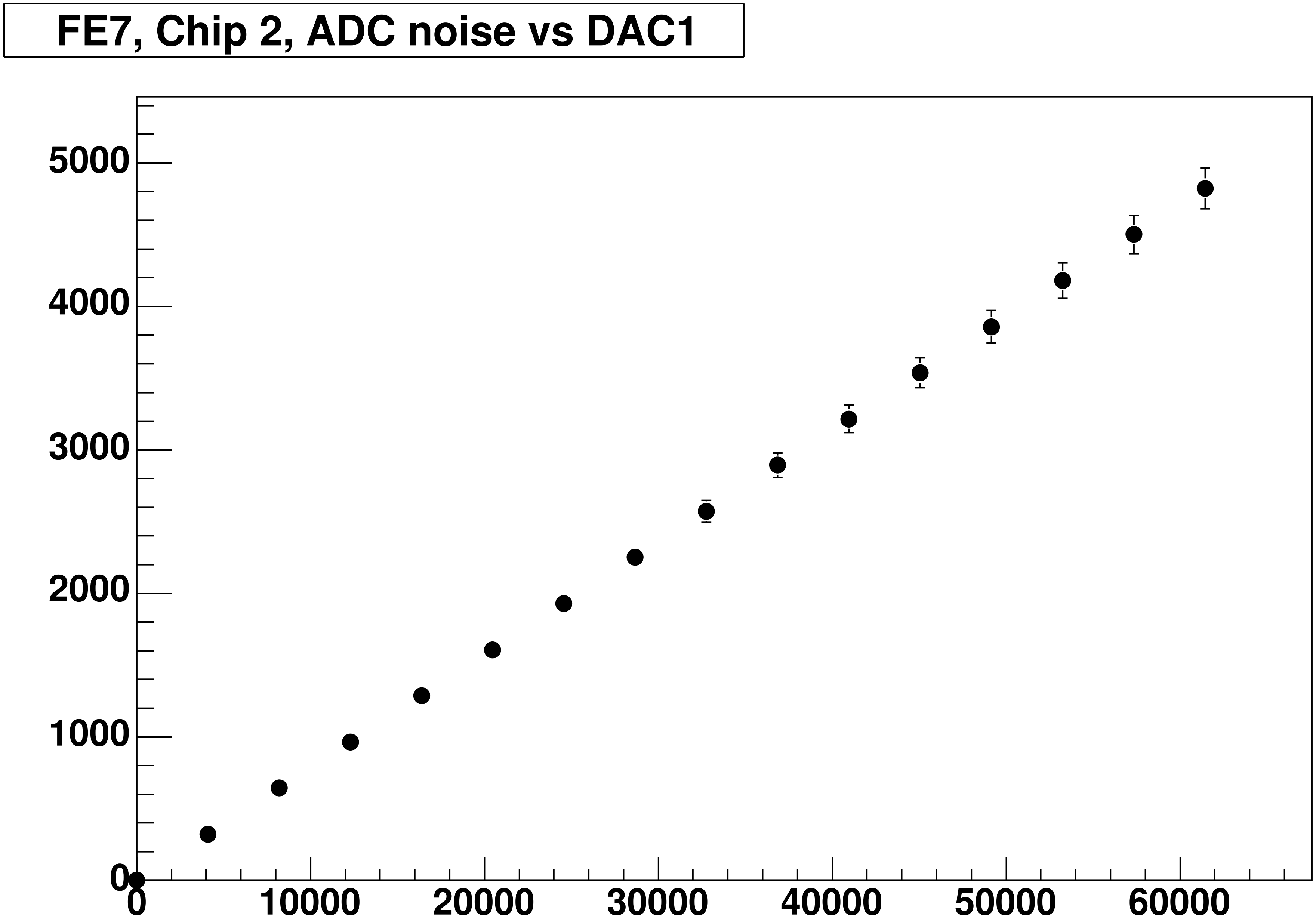
FE7, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.002718 / 11
p0 -74.87 ± 31.06
p1 0.4367 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

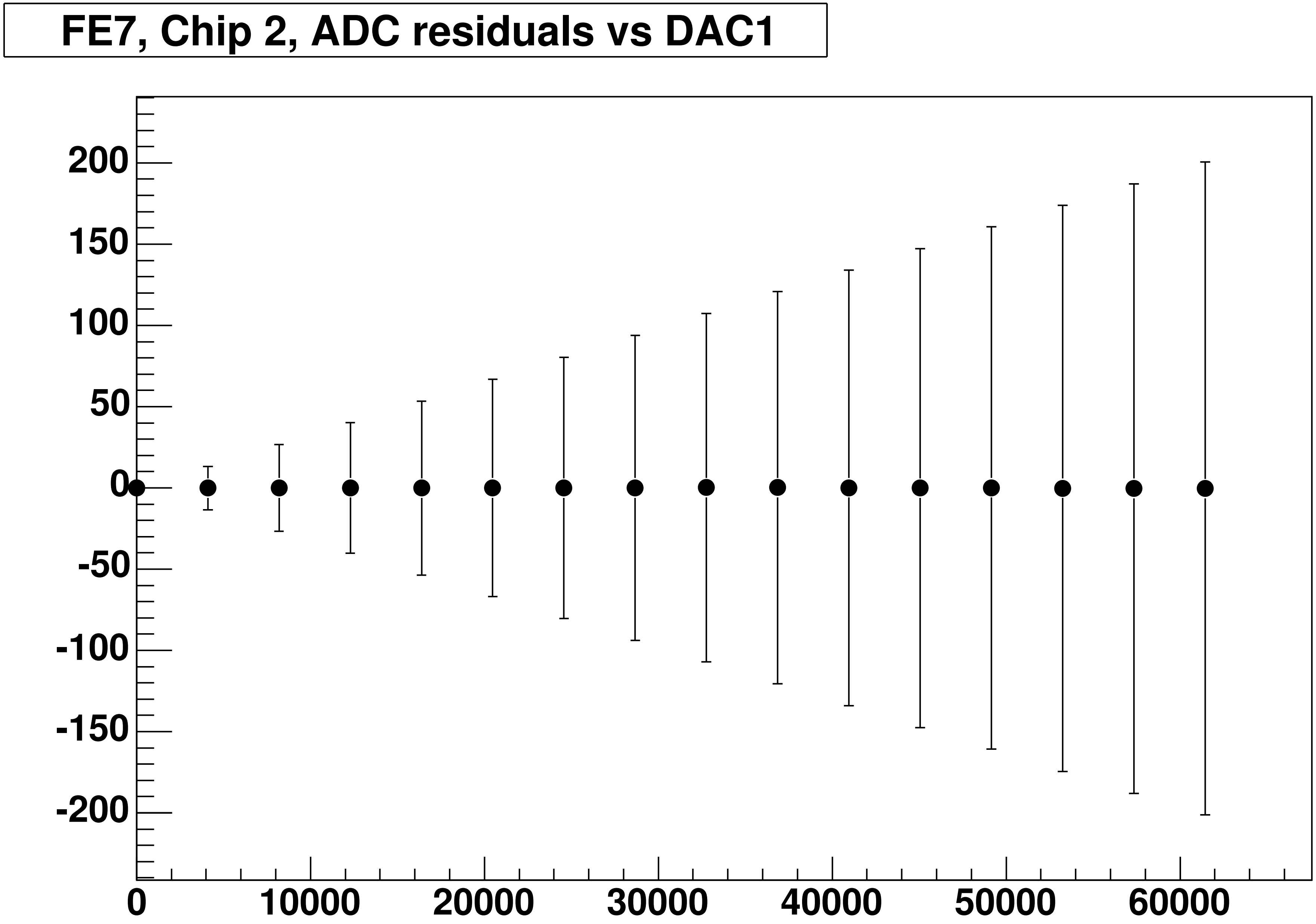


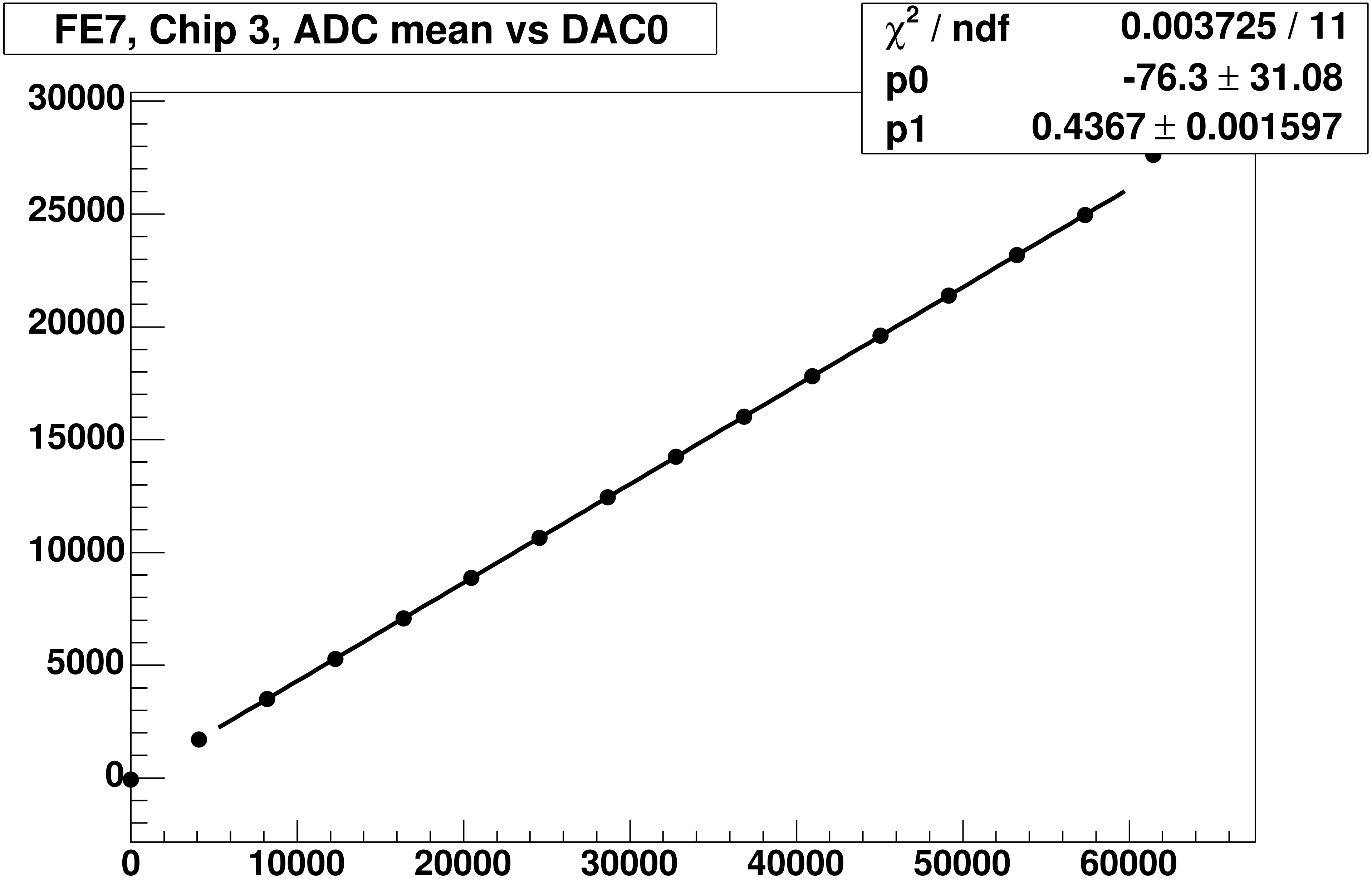
FE7, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

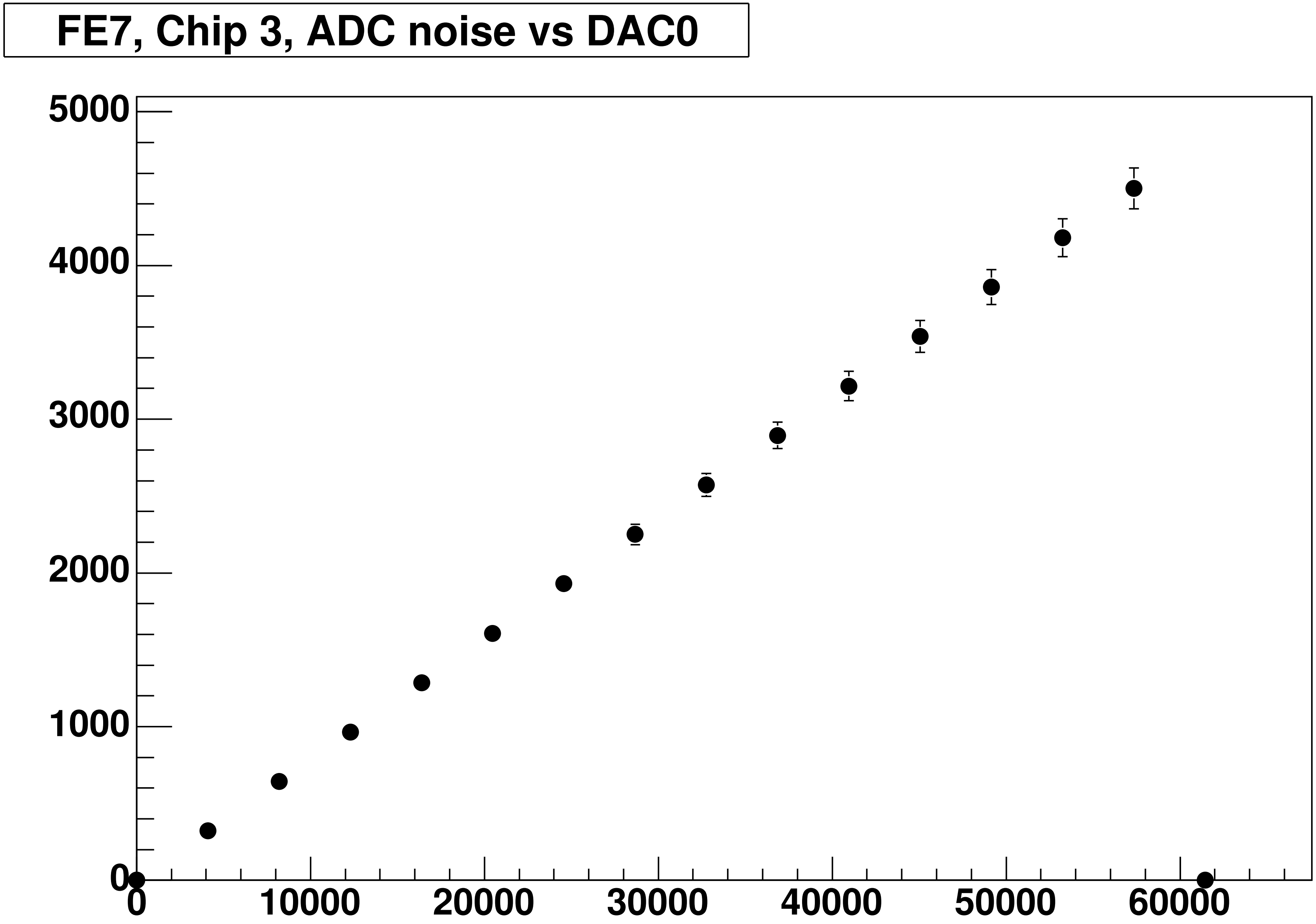

FE7, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

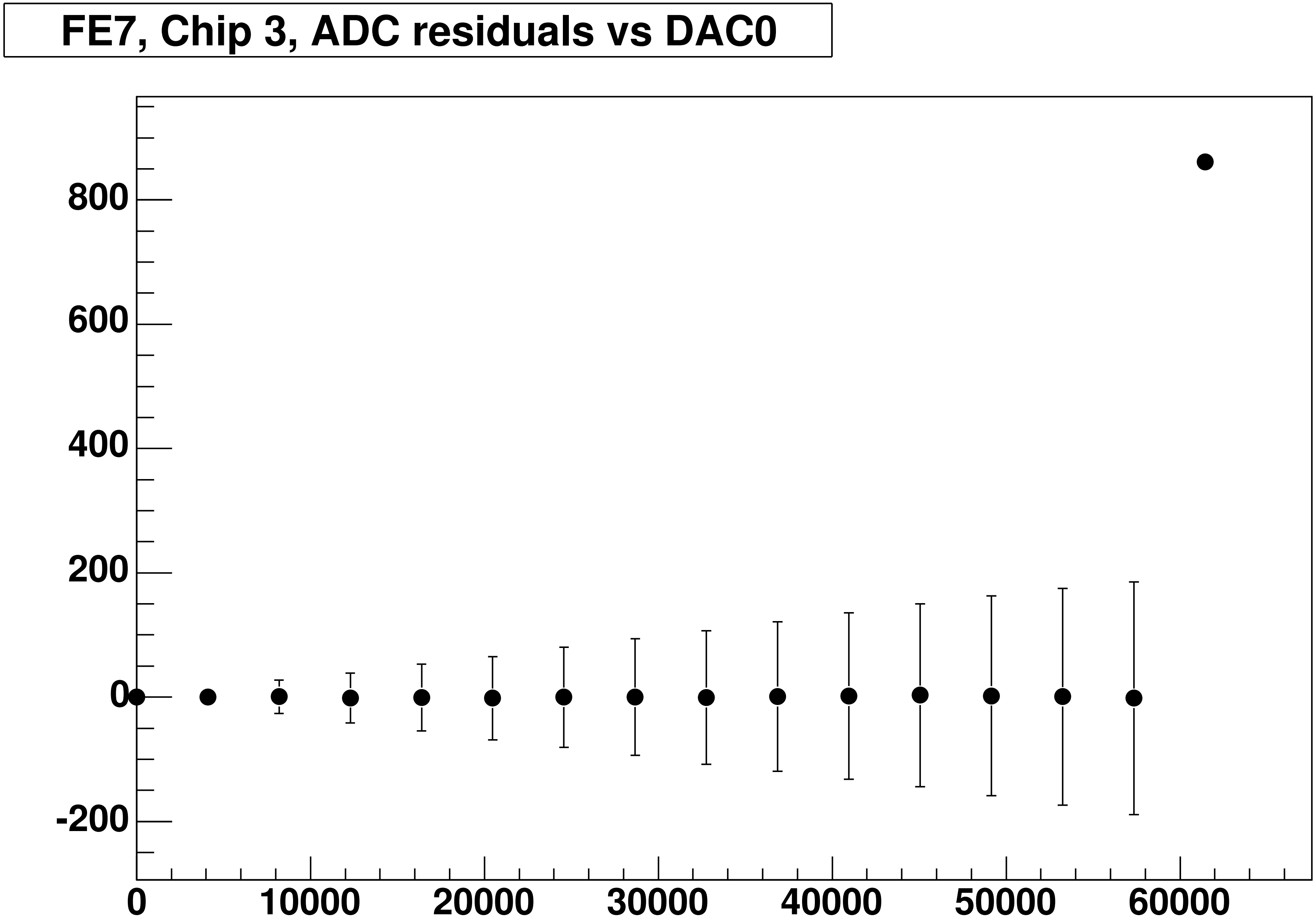

FE7, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.234e-05 / 11
p0 -73.44 ± 31.06
p1 0.01409 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

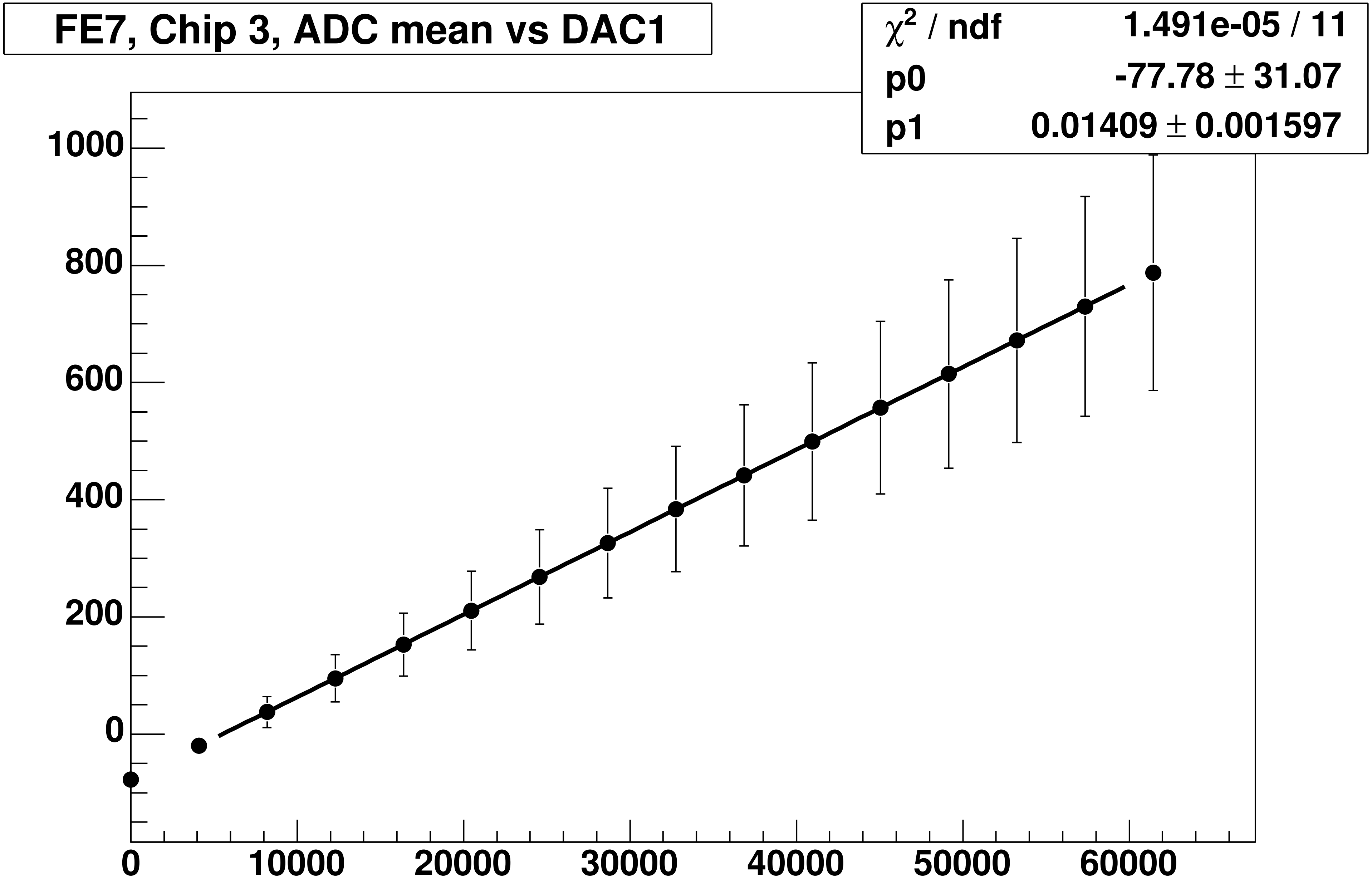

FE7, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

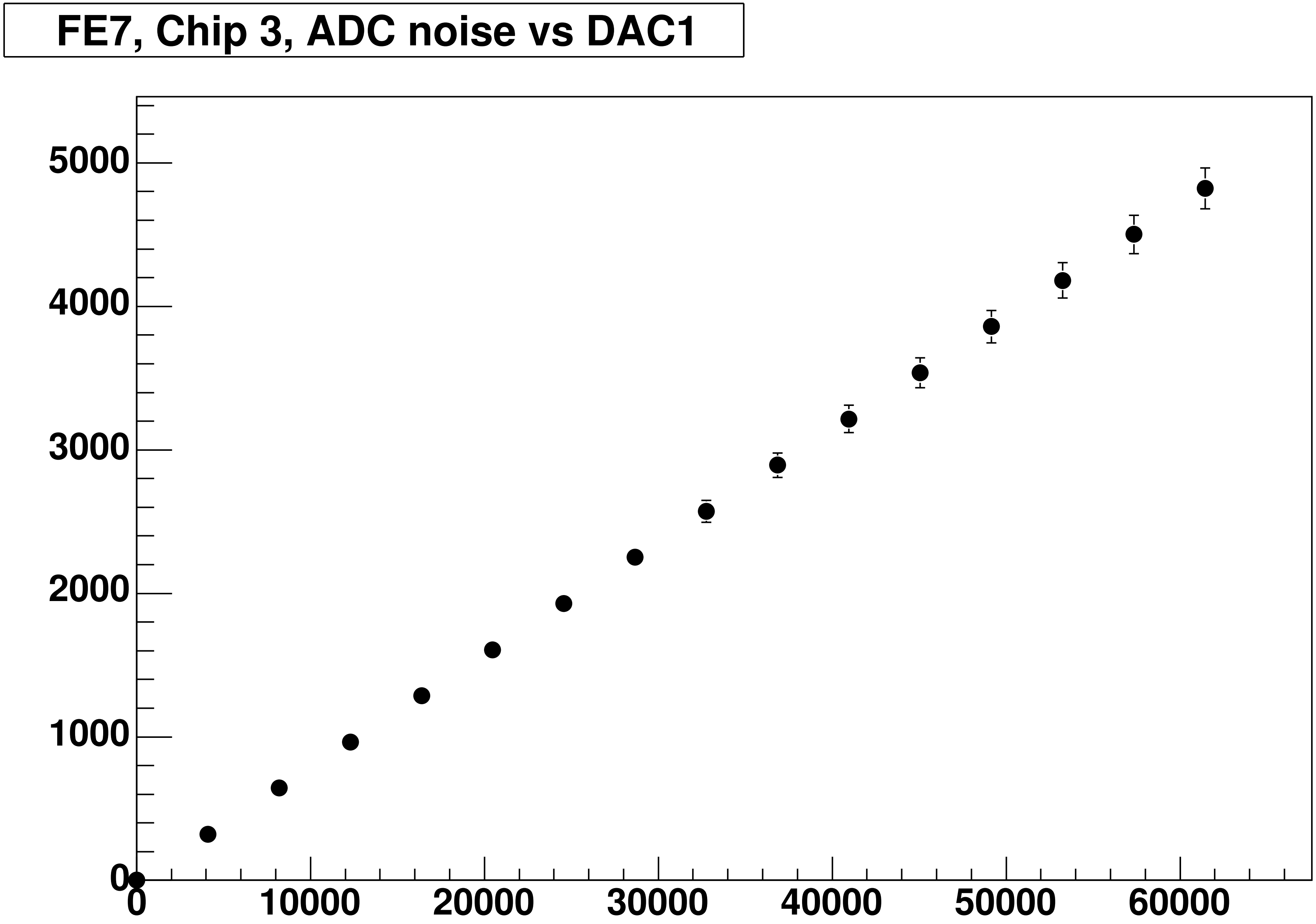

FE7, Chip 3, ADC mean vs DAC0
χ2 / ndf 0.003725 / 11
p0 -76.3 ± 31.08
p1 0.4367 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

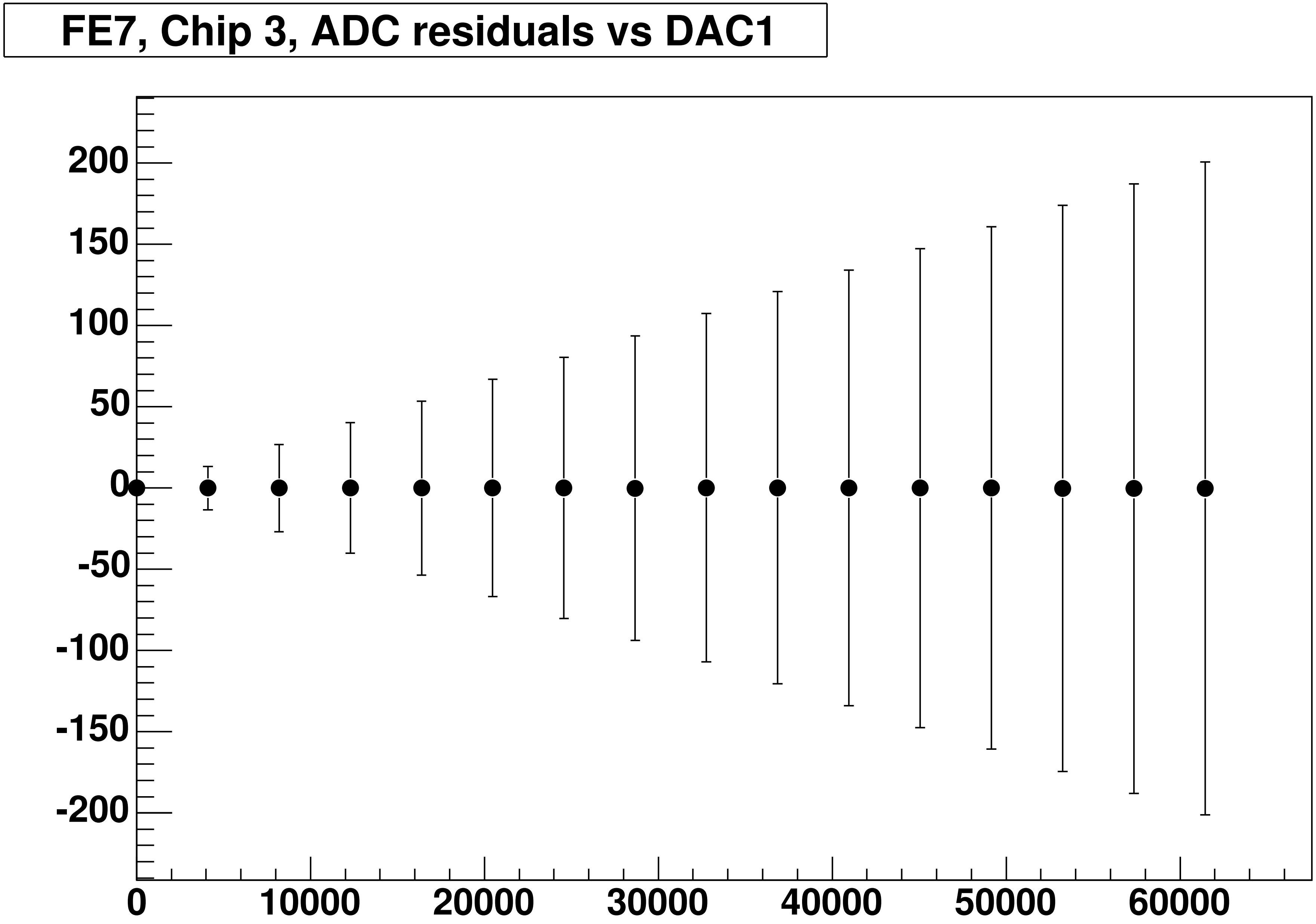

FE7, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

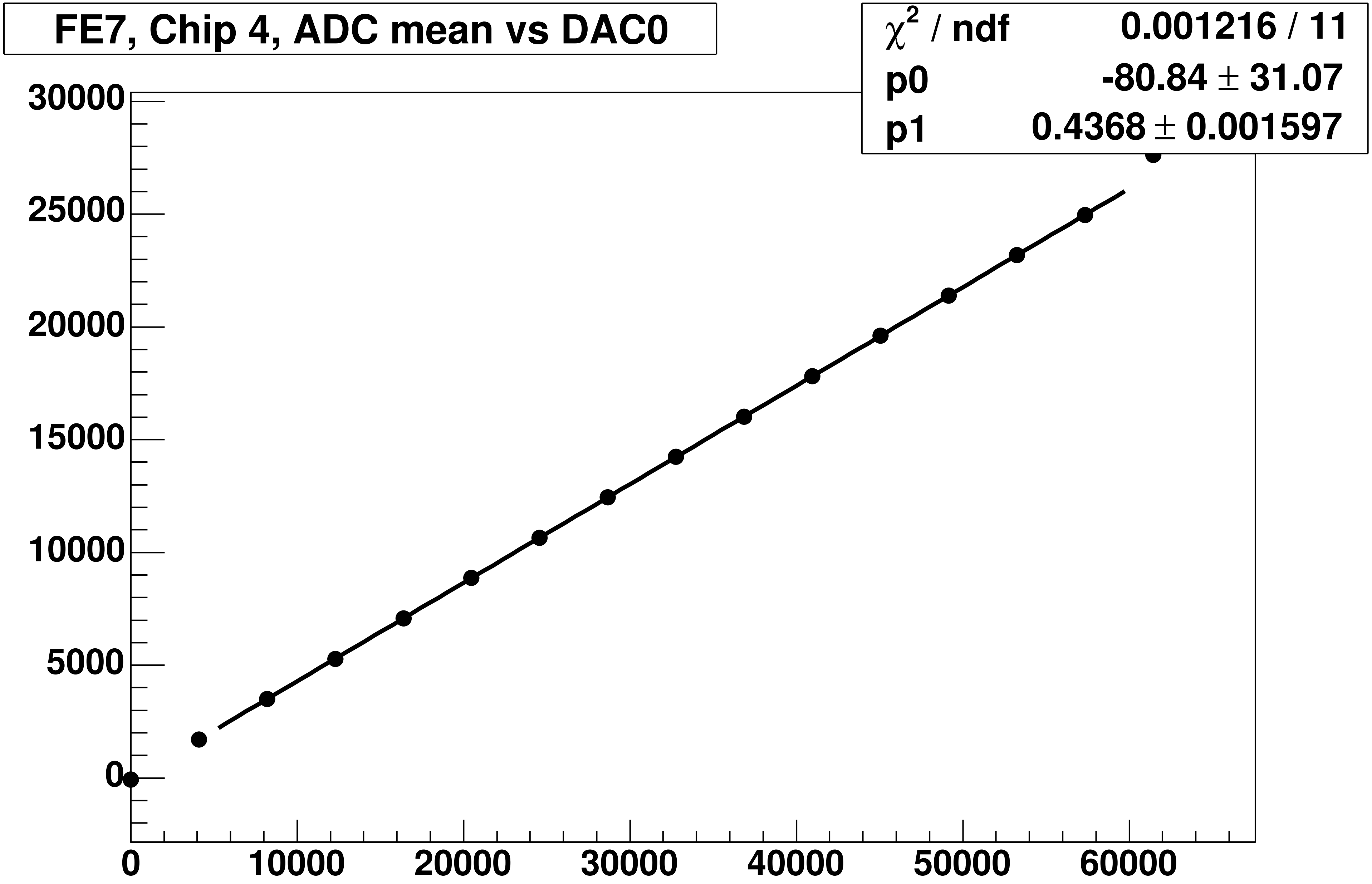

FE7, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

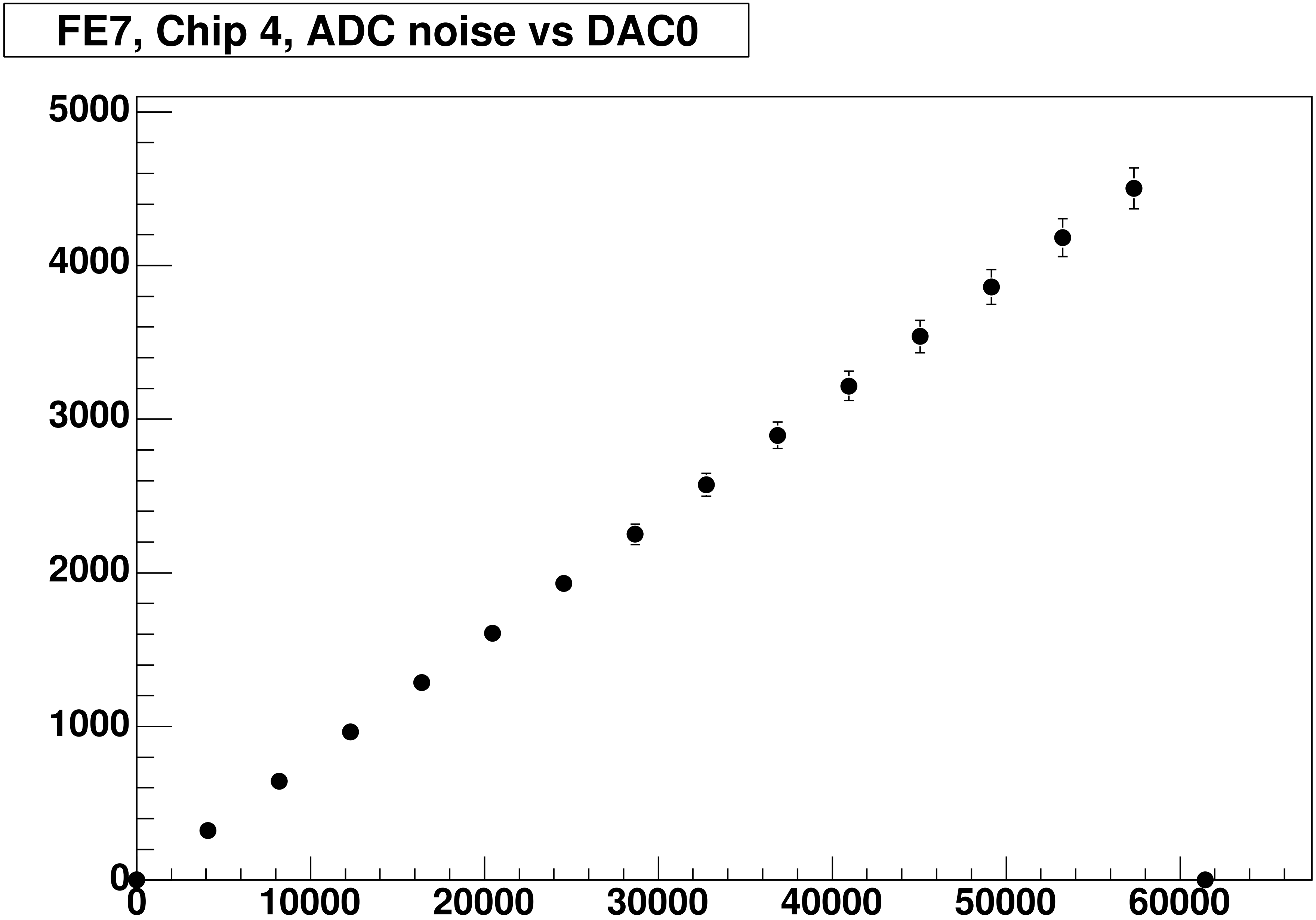


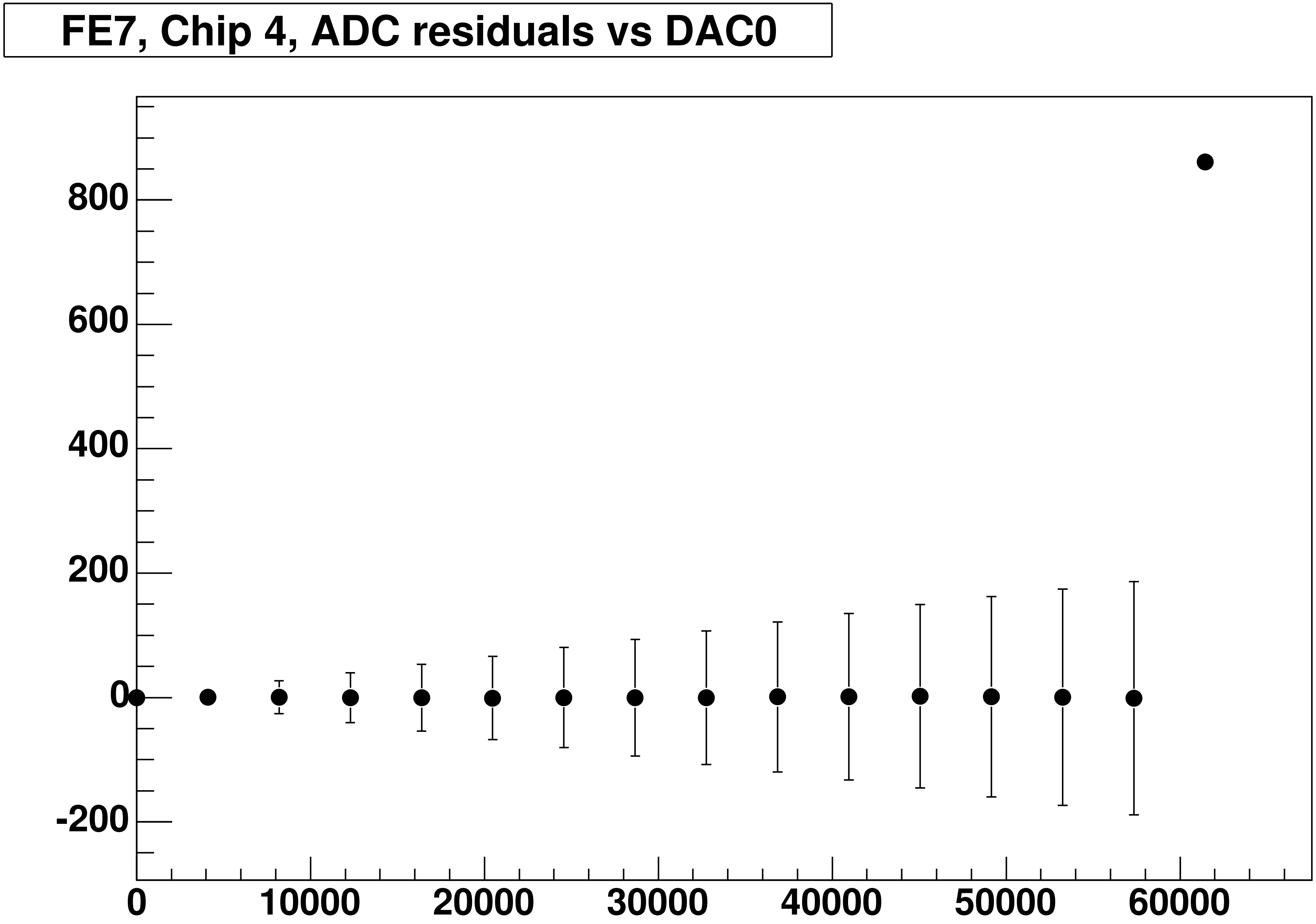
FE7, Chip 3, ADC mean vs DAC1
χ^2 / ndf 1.491e-05 / 11
p0 -77.78 ± 31.07
p1 0.01409 ± 0.001597
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

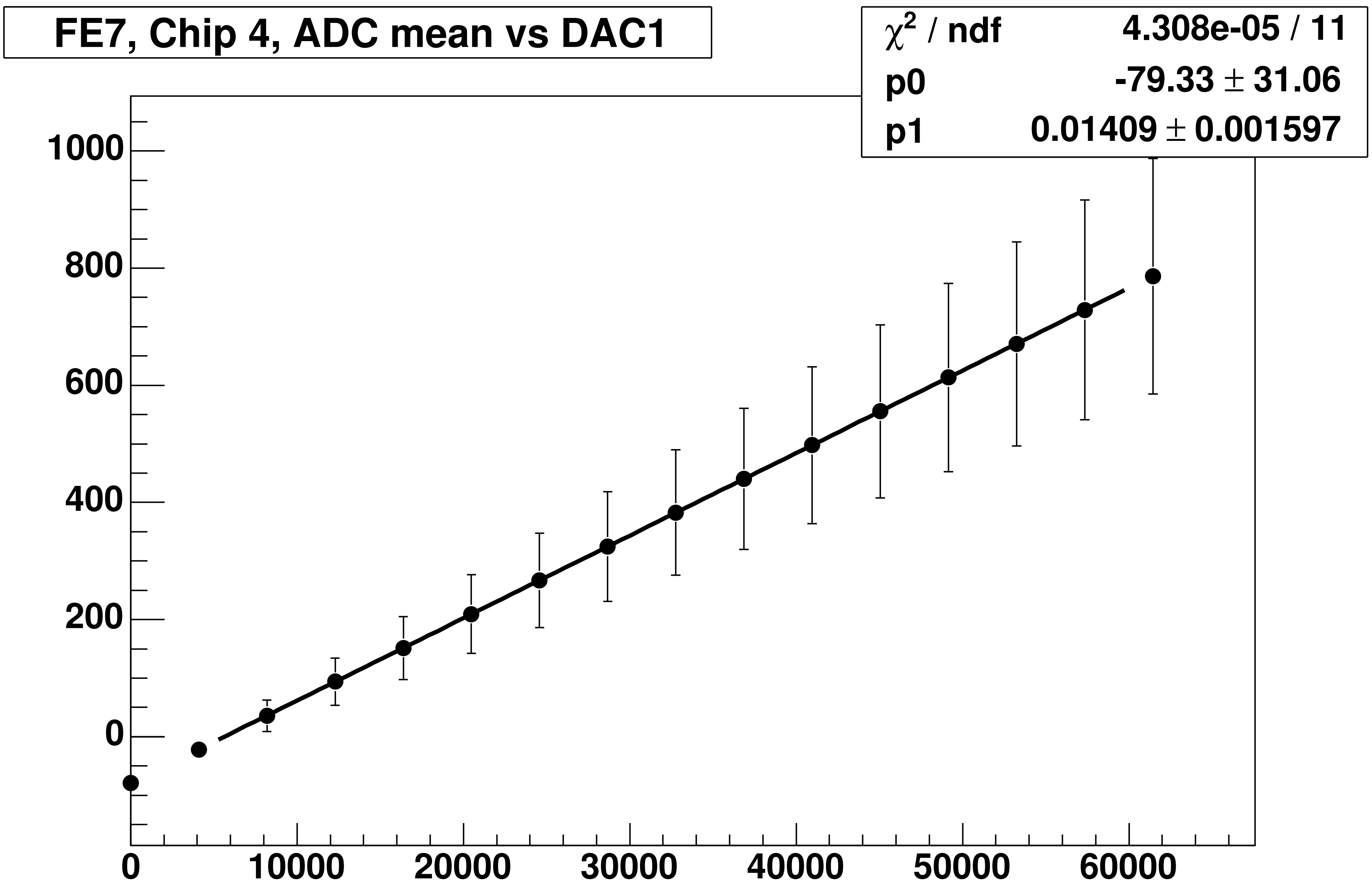

FE7, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

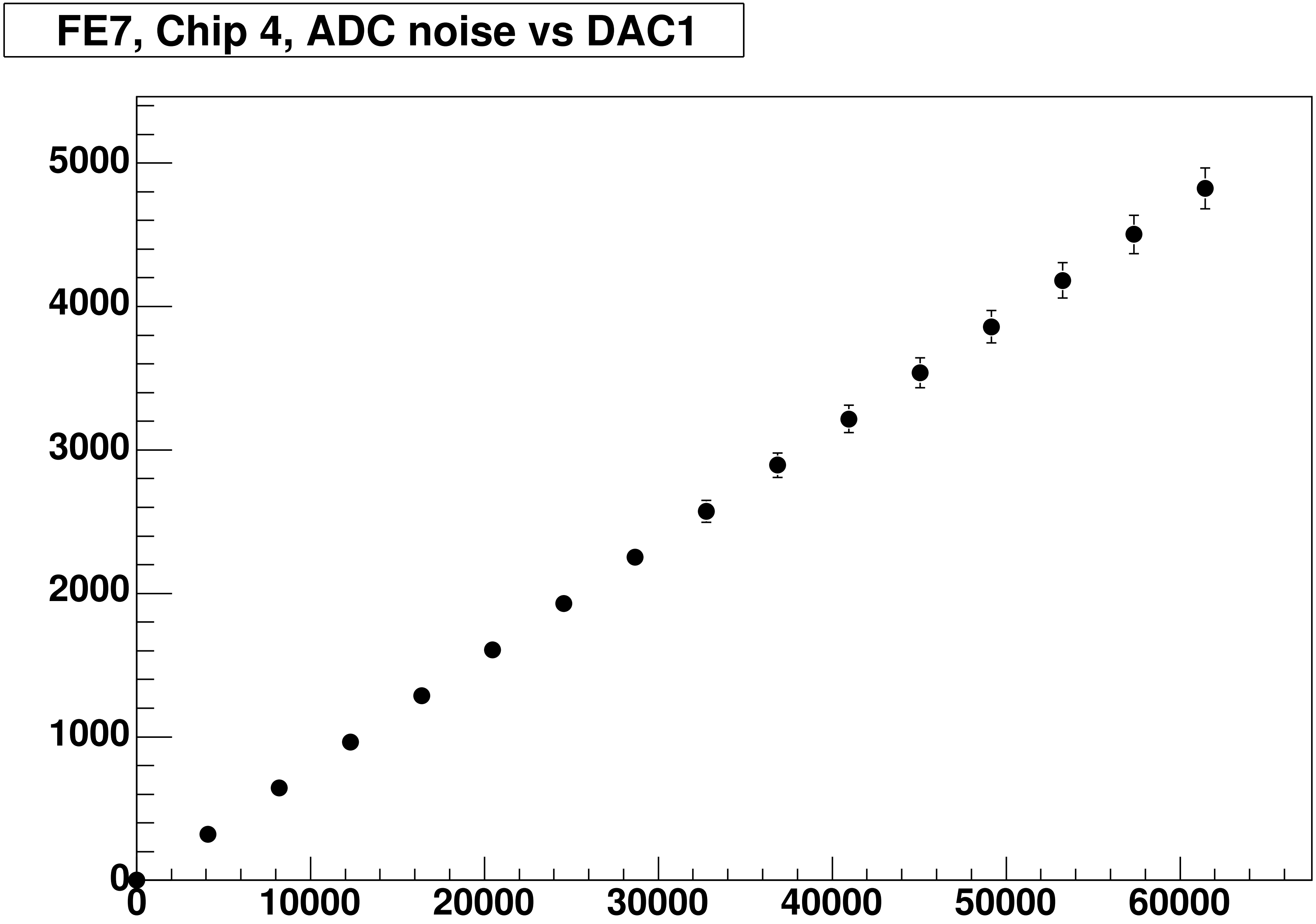

FE7, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001216 / 11
p0 -80.84 ± 31.07
p1 0.4368 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

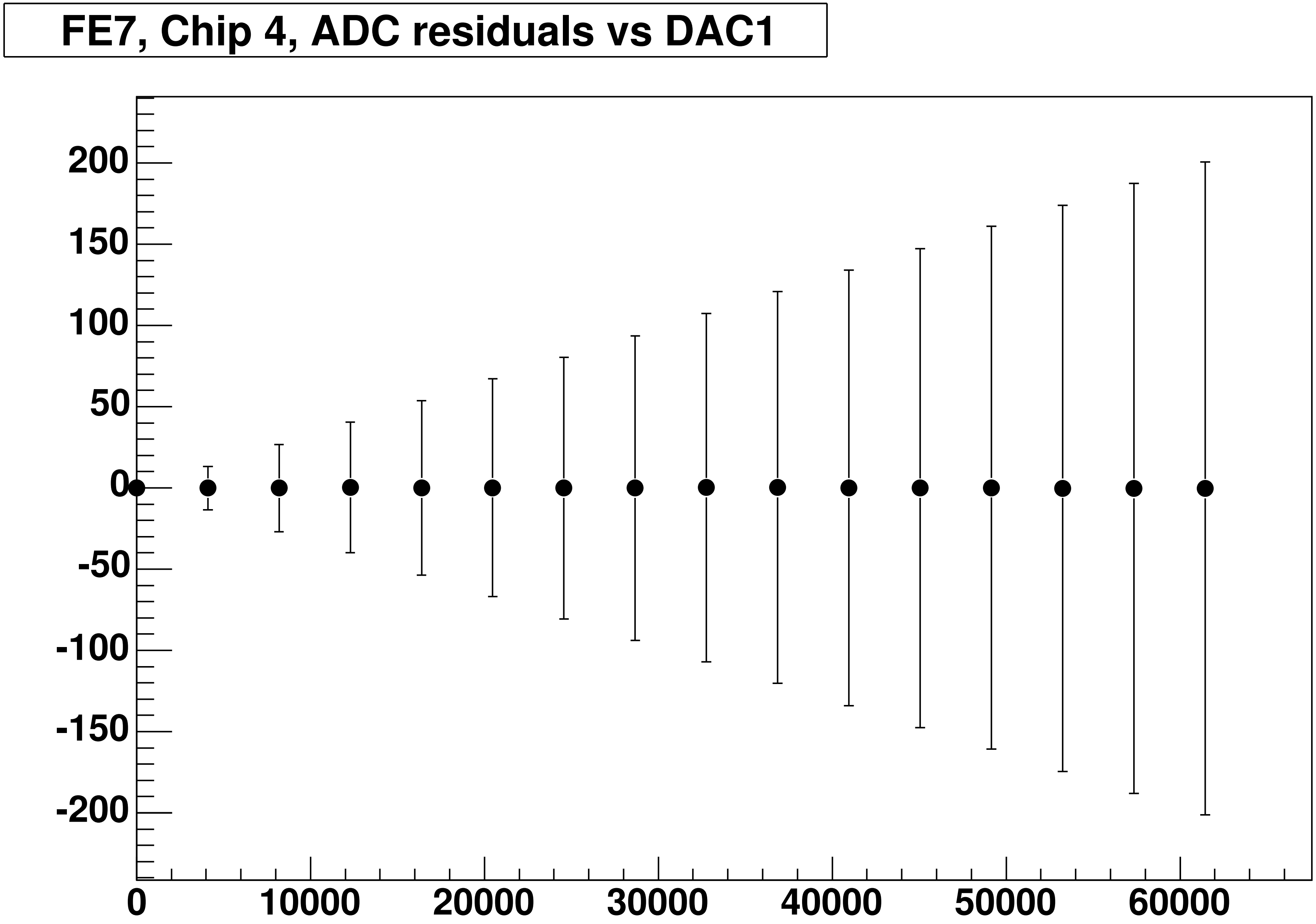

FE7, Chip 4, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



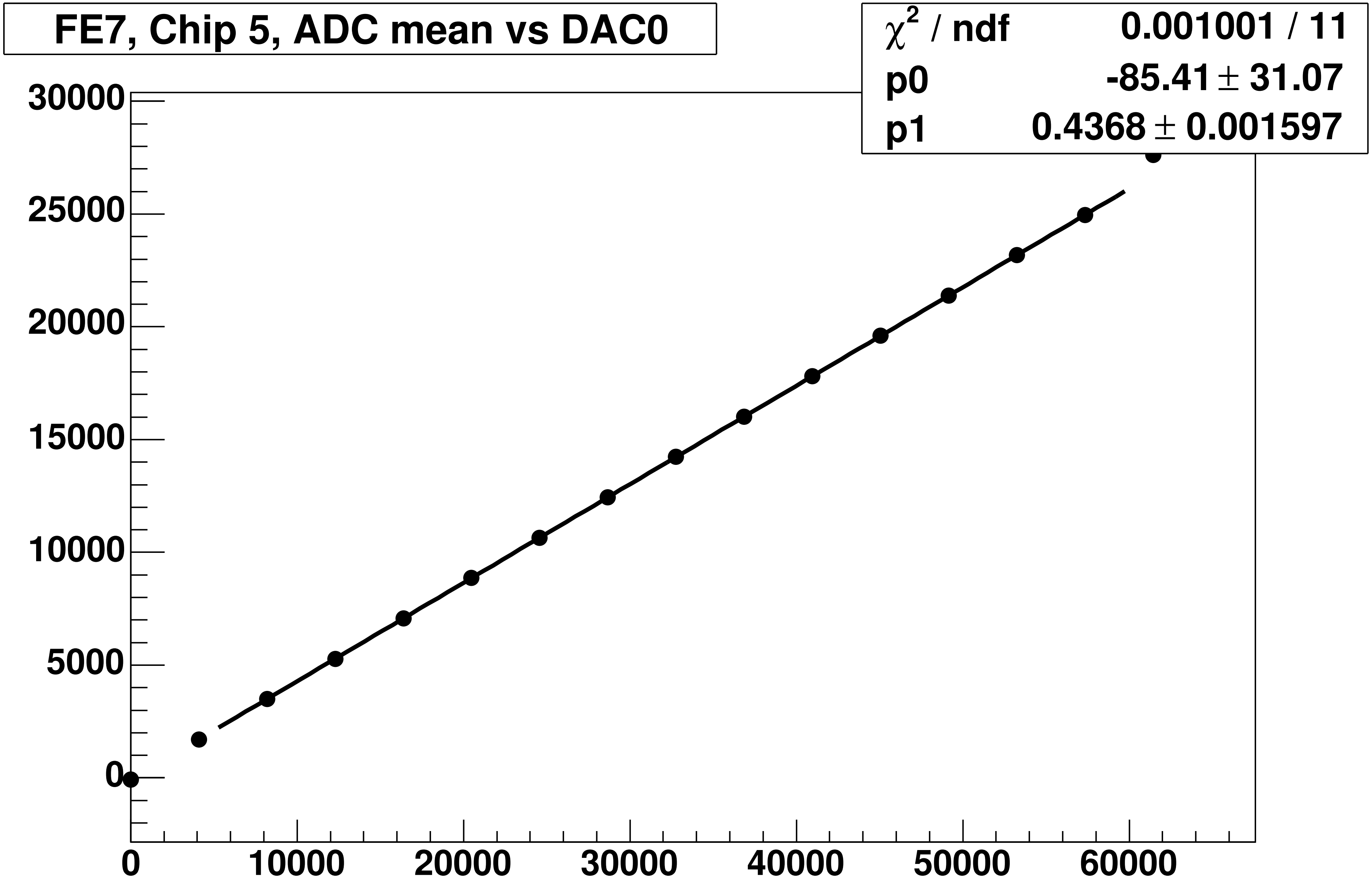
FE7, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

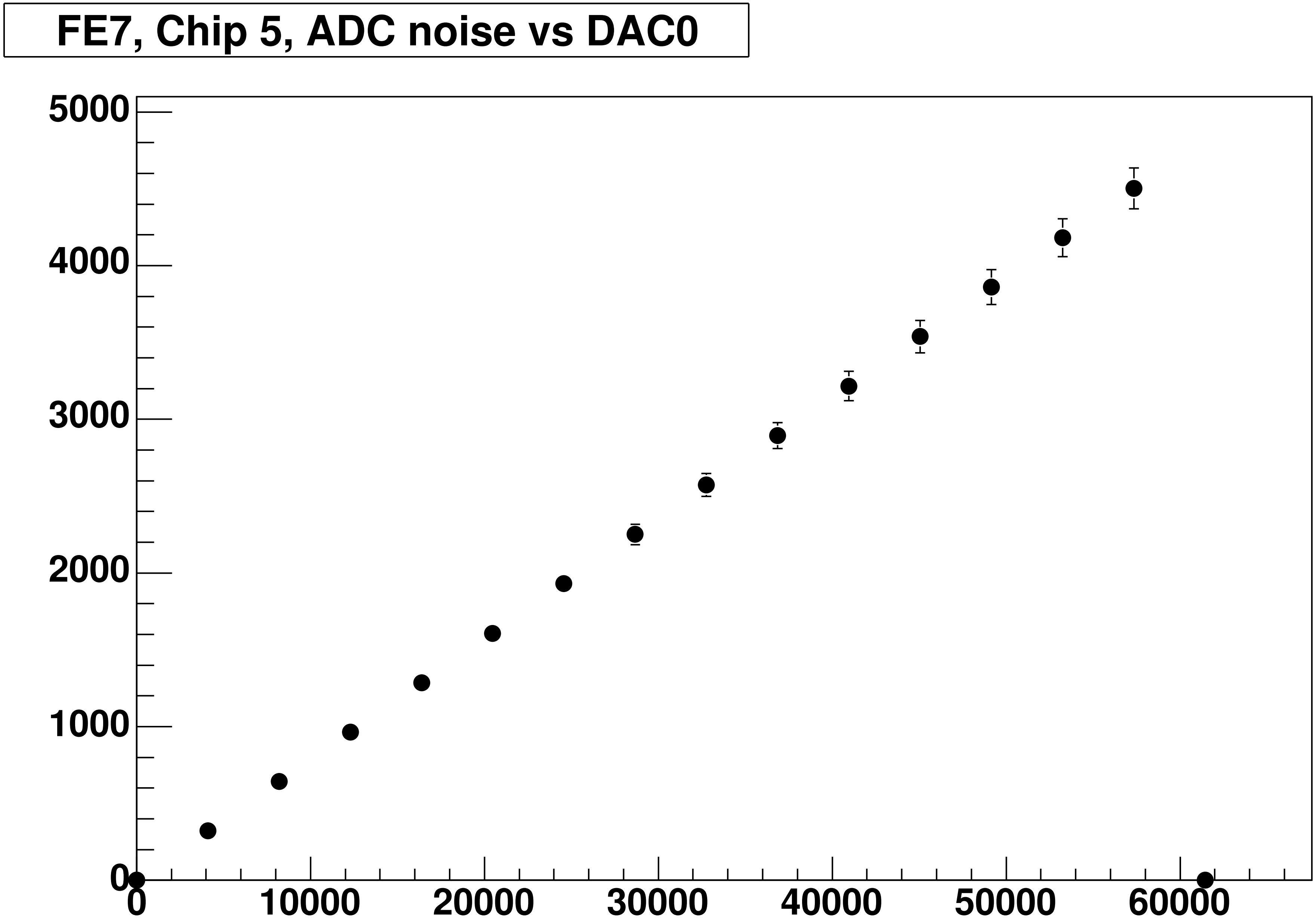

FE7, Chip 4, ADC mean vs DAC1
χ^2 / ndf 4.308e-05 / 11
p0 -79.33 ± 31.06
p1 0.01409 ± 0.001597
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

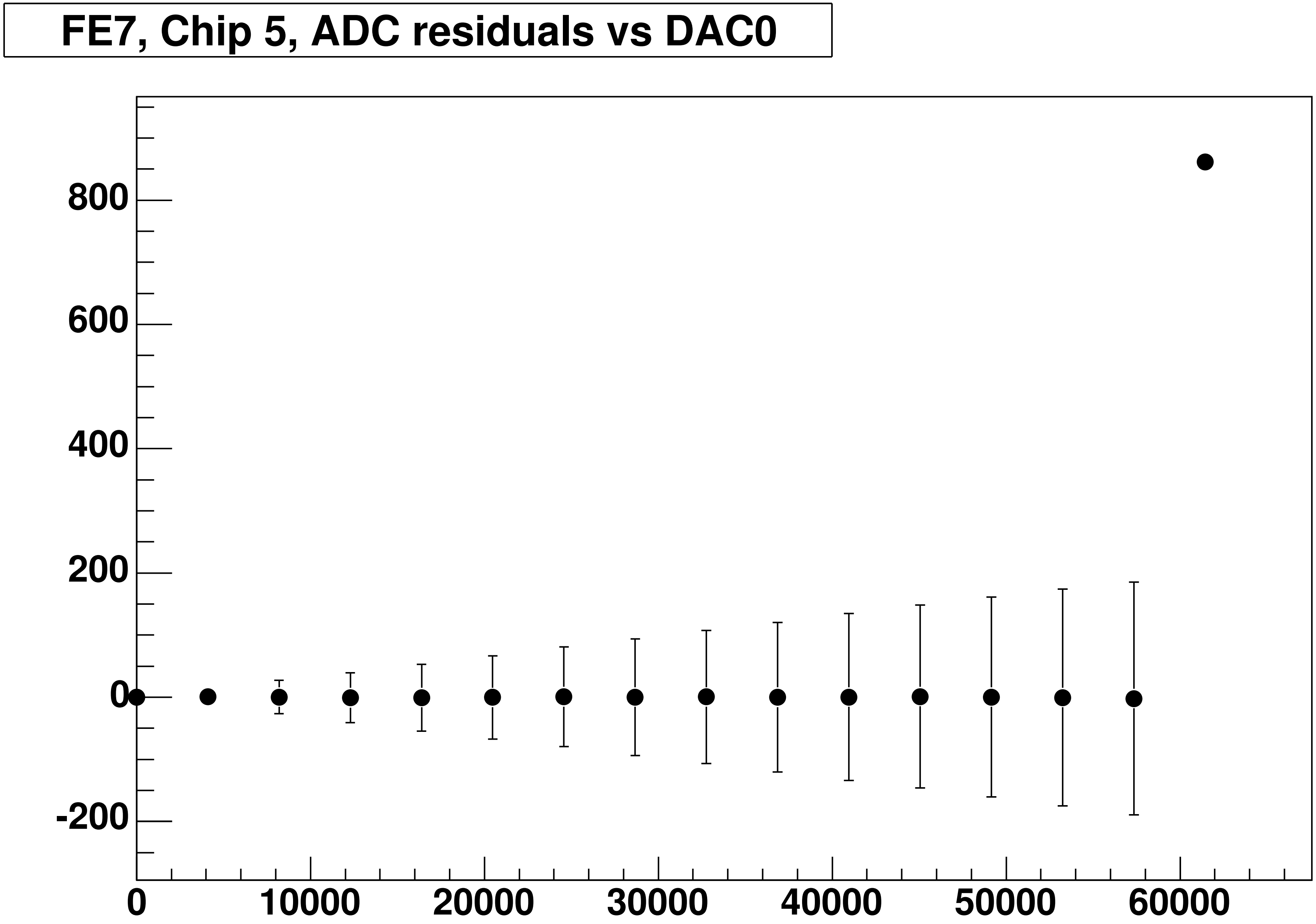

FE7, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

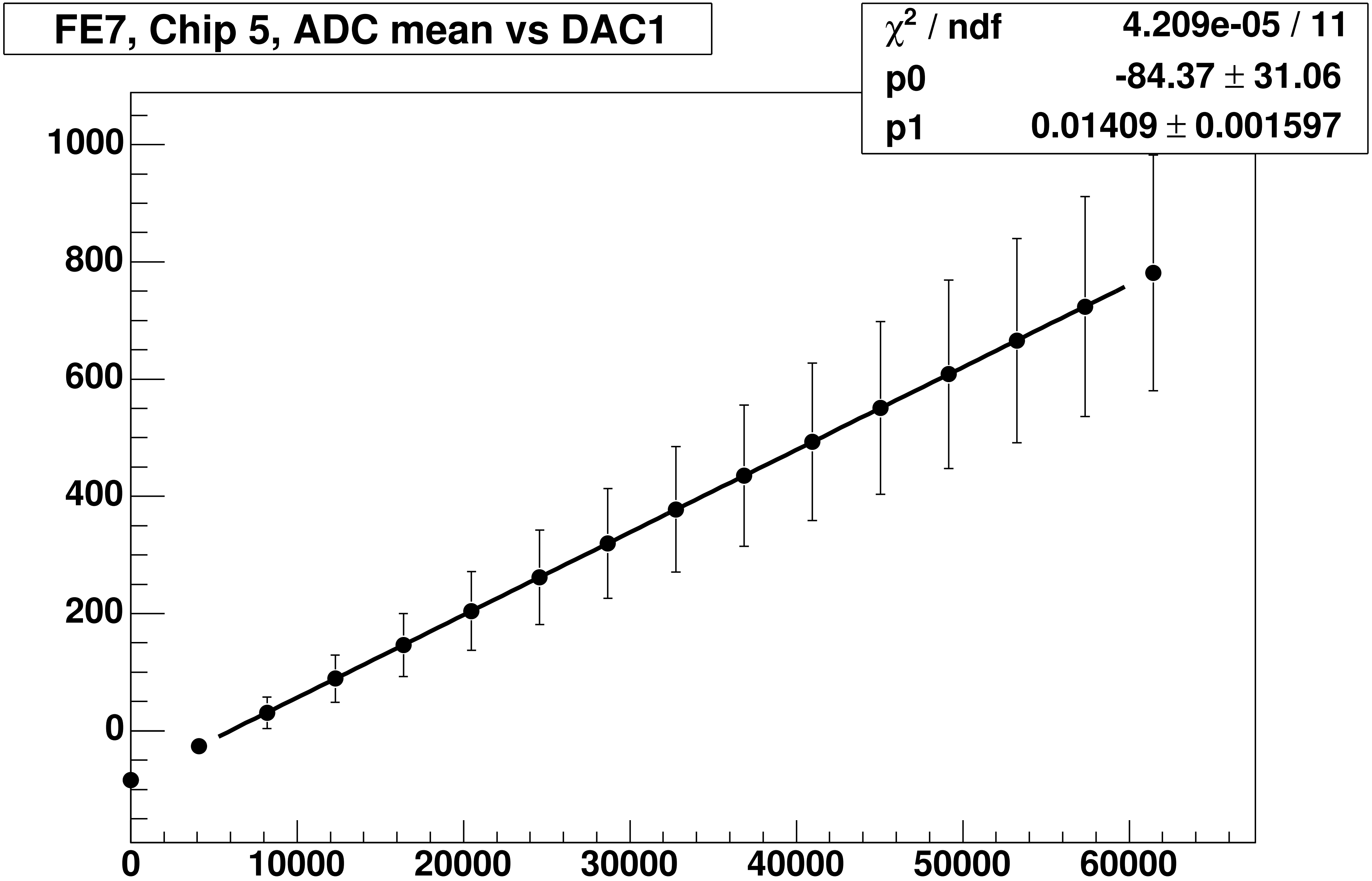


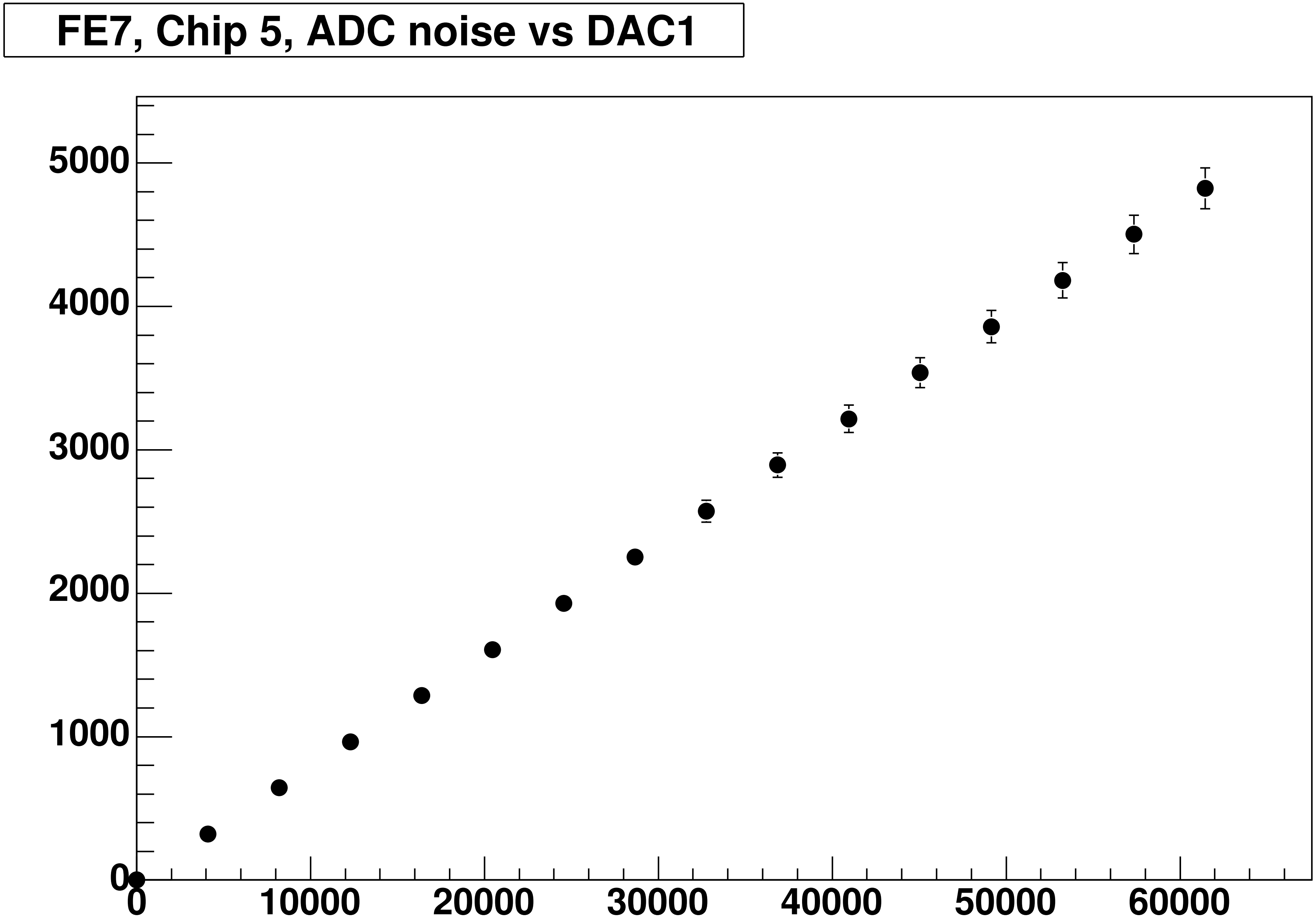
FE7, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 5, ADC mean vs DAC0
χ² / ndf 0.001001 / 11
p0 -85.41 ± 31.07
p1 0.4368 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

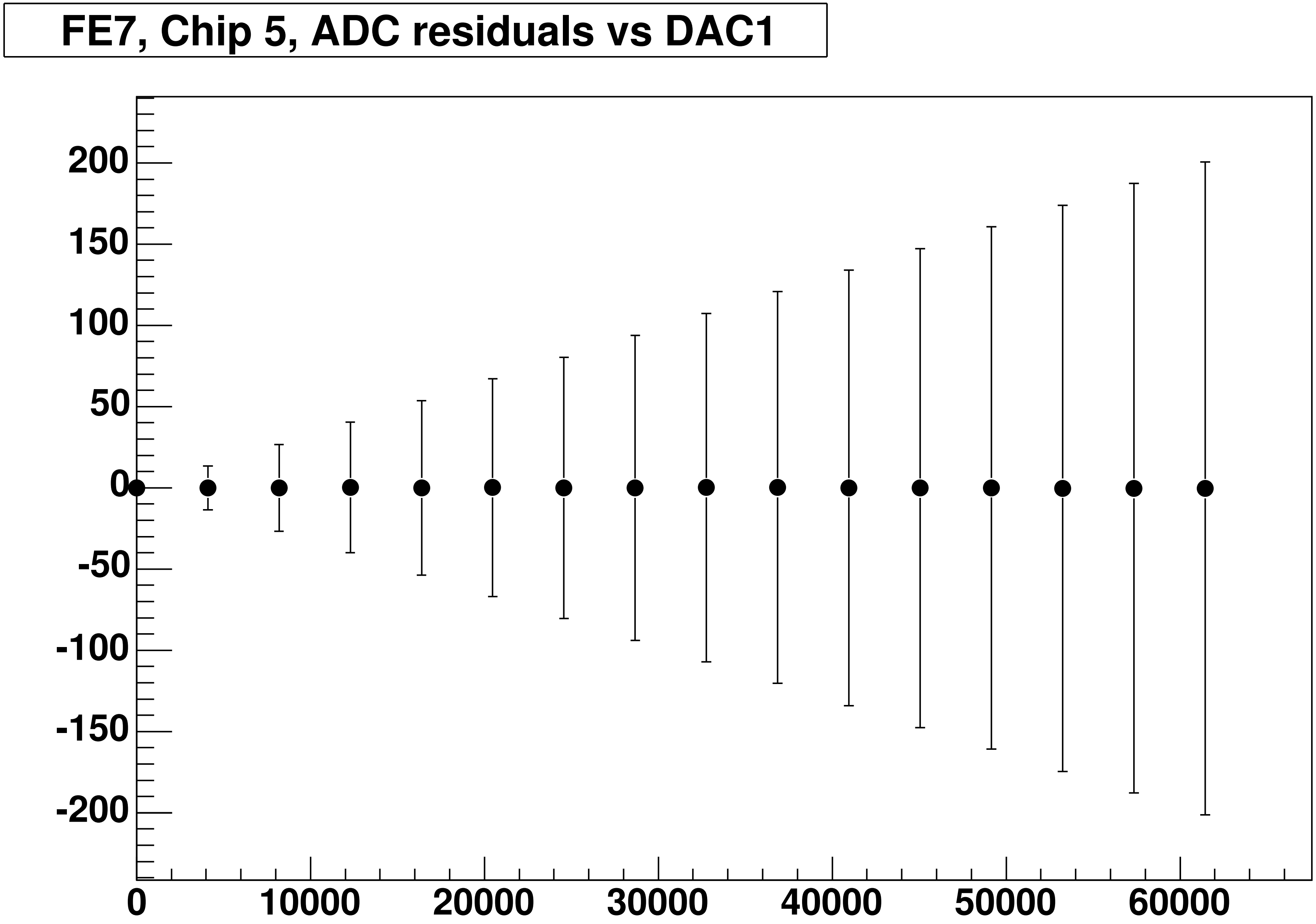

FE7, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

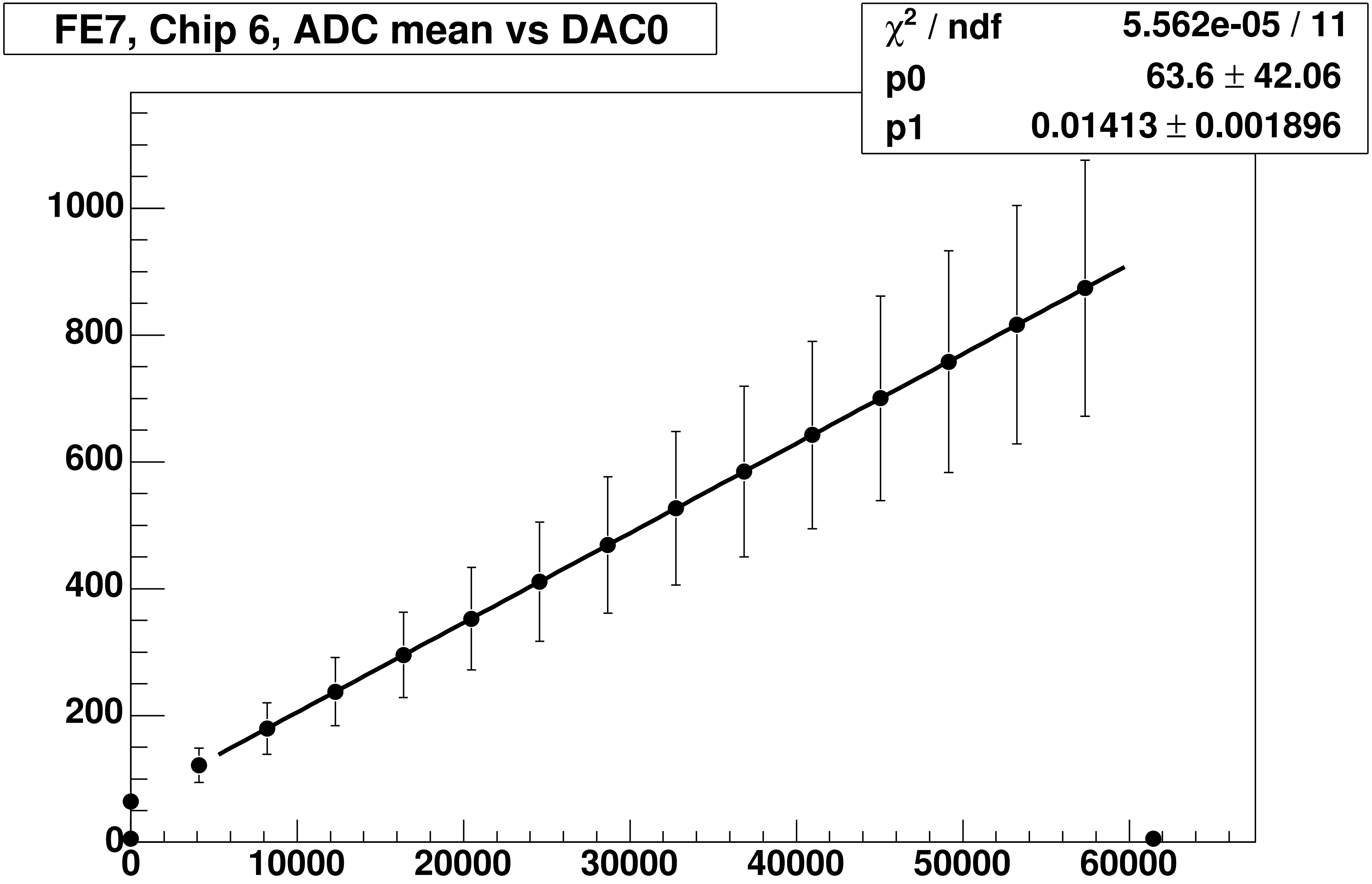

FE7, Chip 5, ADC mean vs DAC1
χ^2 / ndf 4.209e-05 / 11
p0 -84.37 ± 31.06
p1 0.01409 ± 0.001597
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000



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

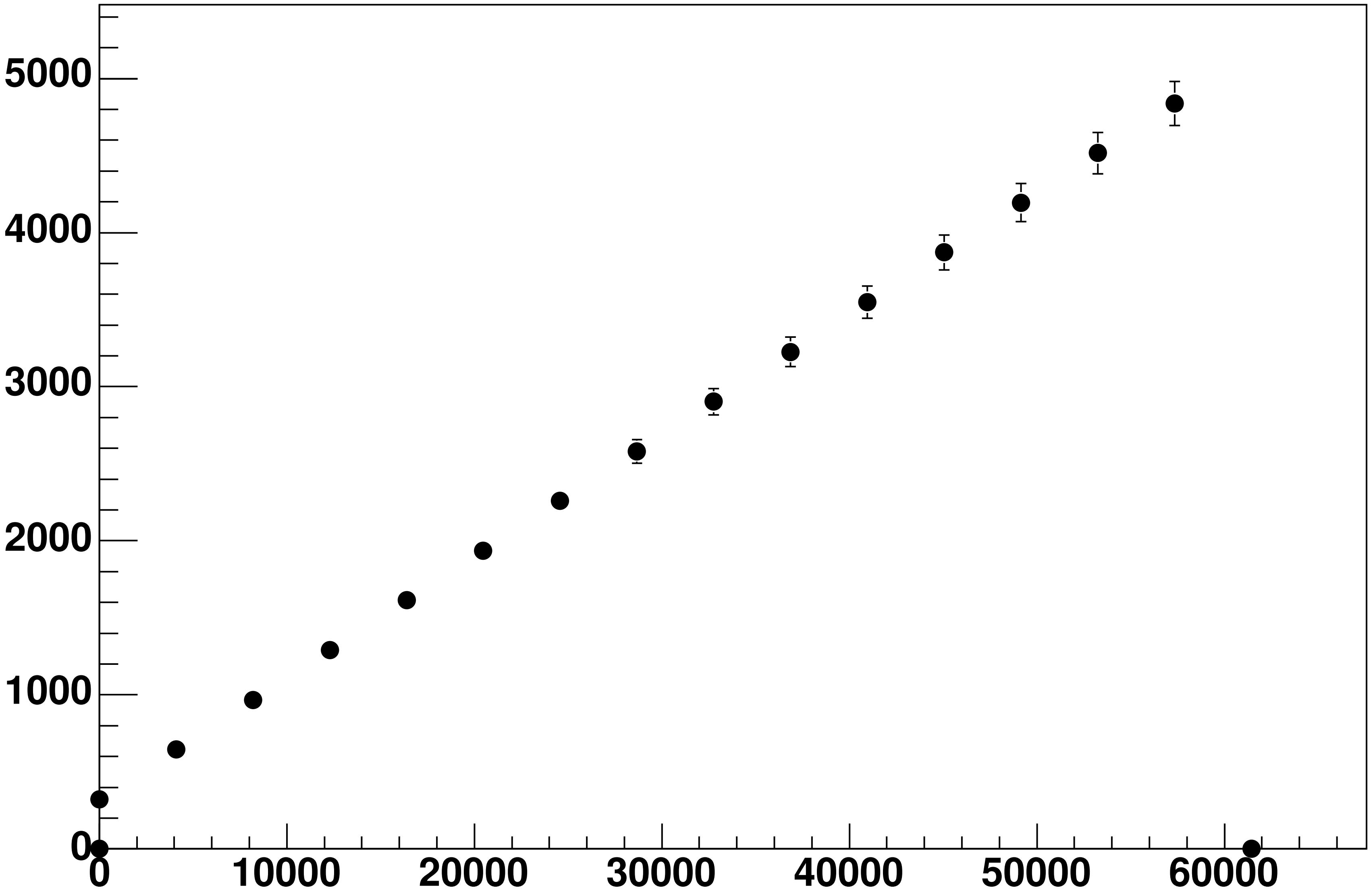


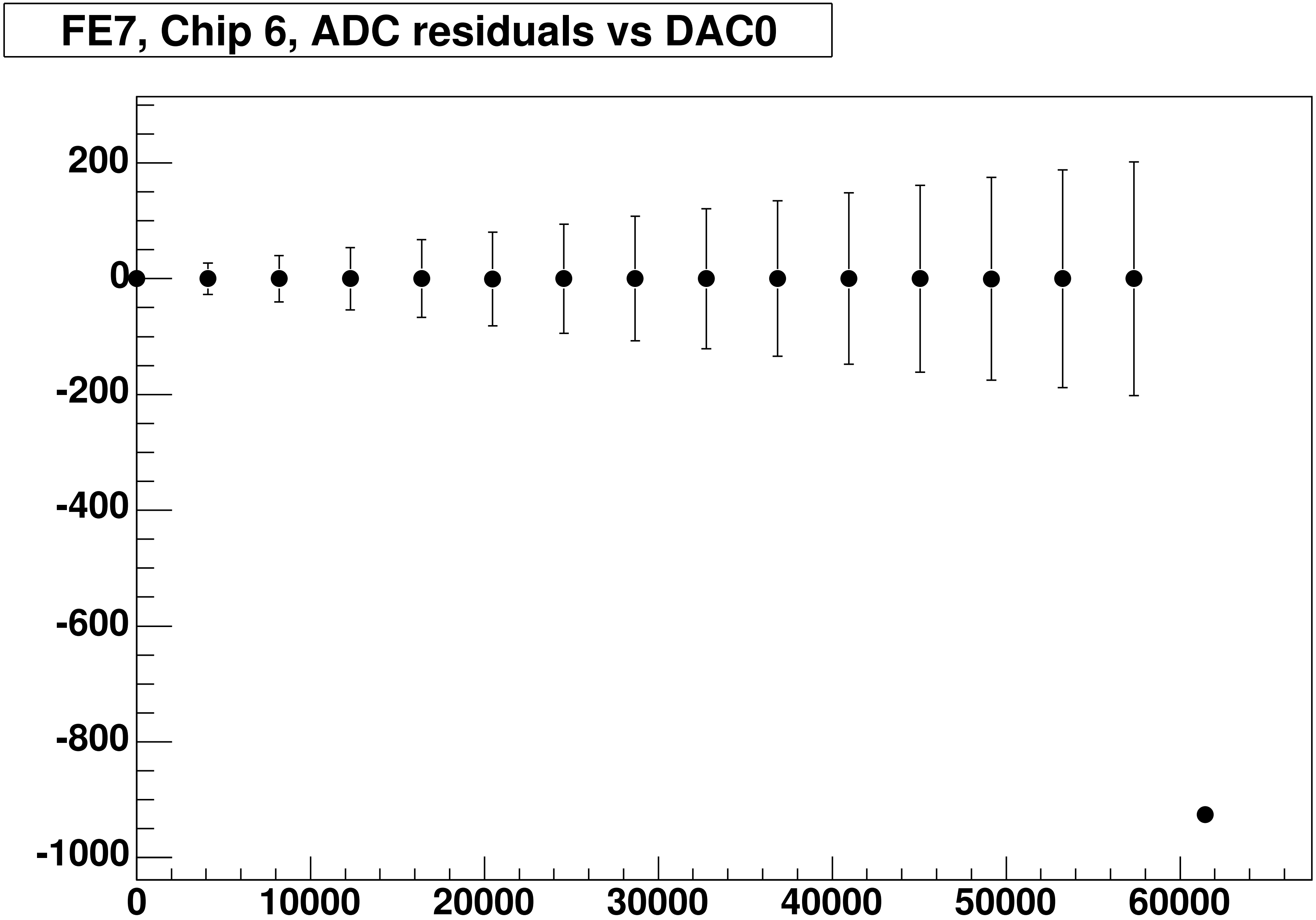
FE7, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

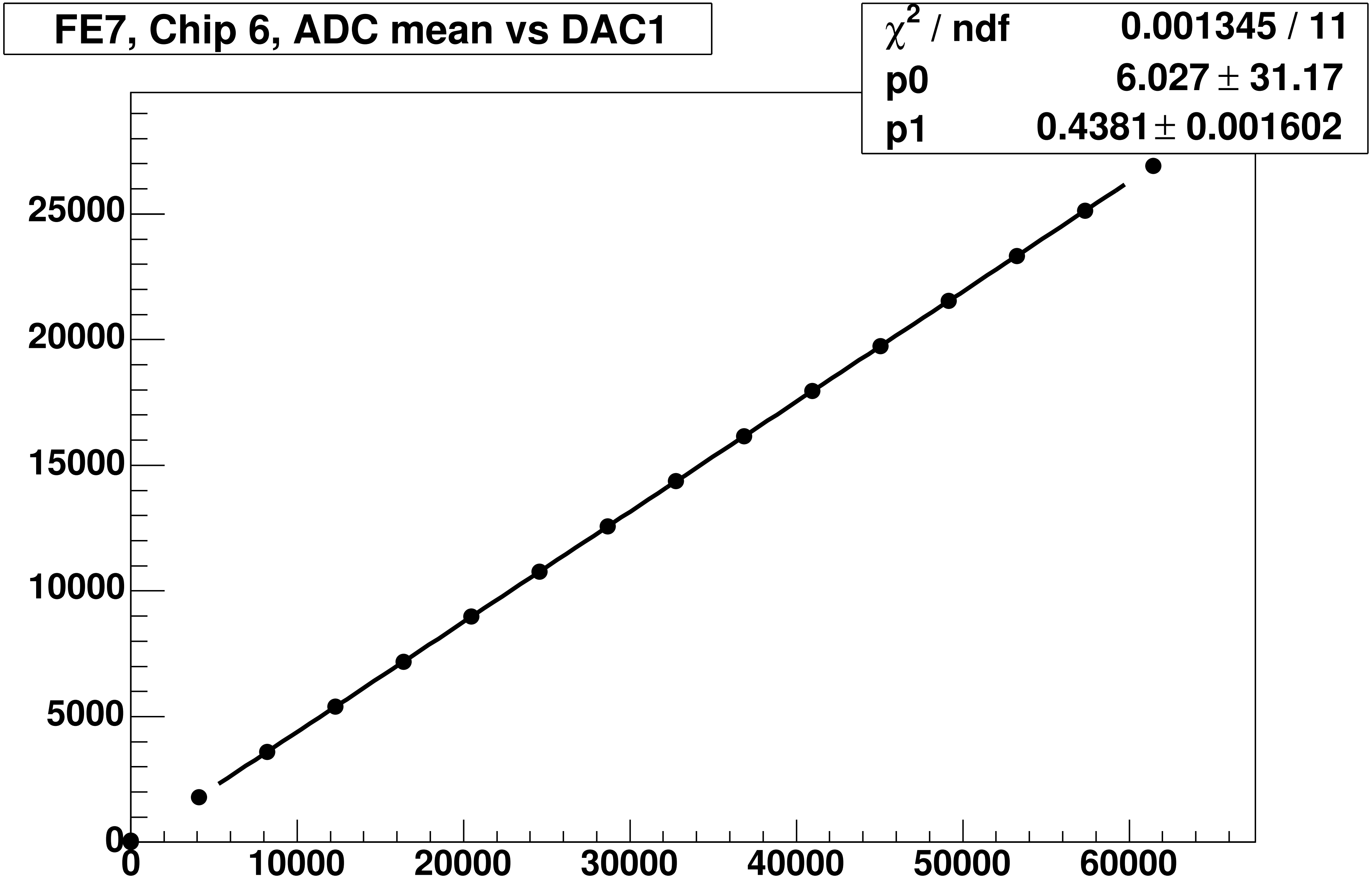


FE7, Chip 6, ADC mean vs DAC0
χ^2 / ndf 5.562e-05 / 11
p0 63.6 ± 42.06
p1 0.01413 ± 0.001896
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

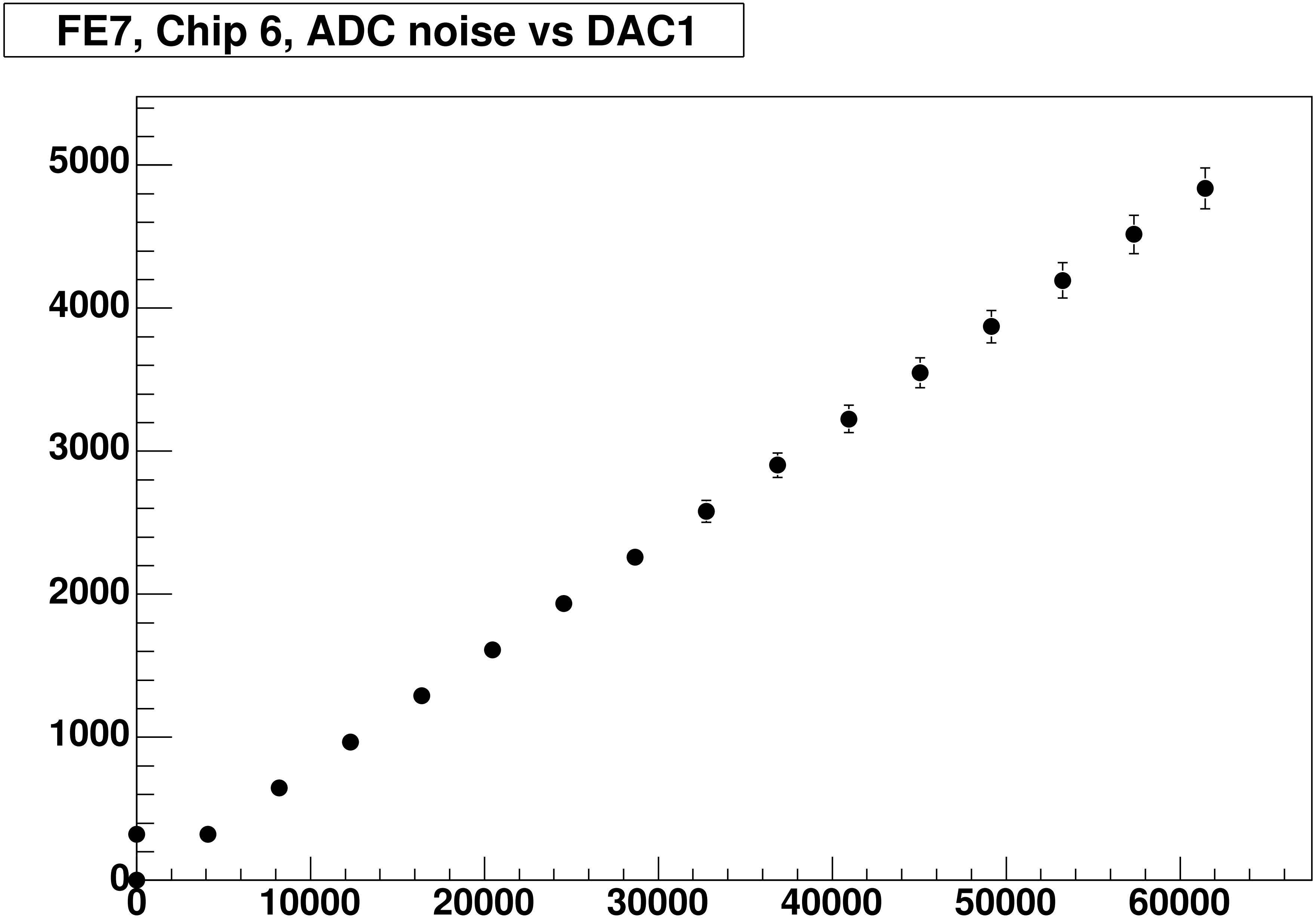
FE7, Chip 6, ADC noise vs DAC0

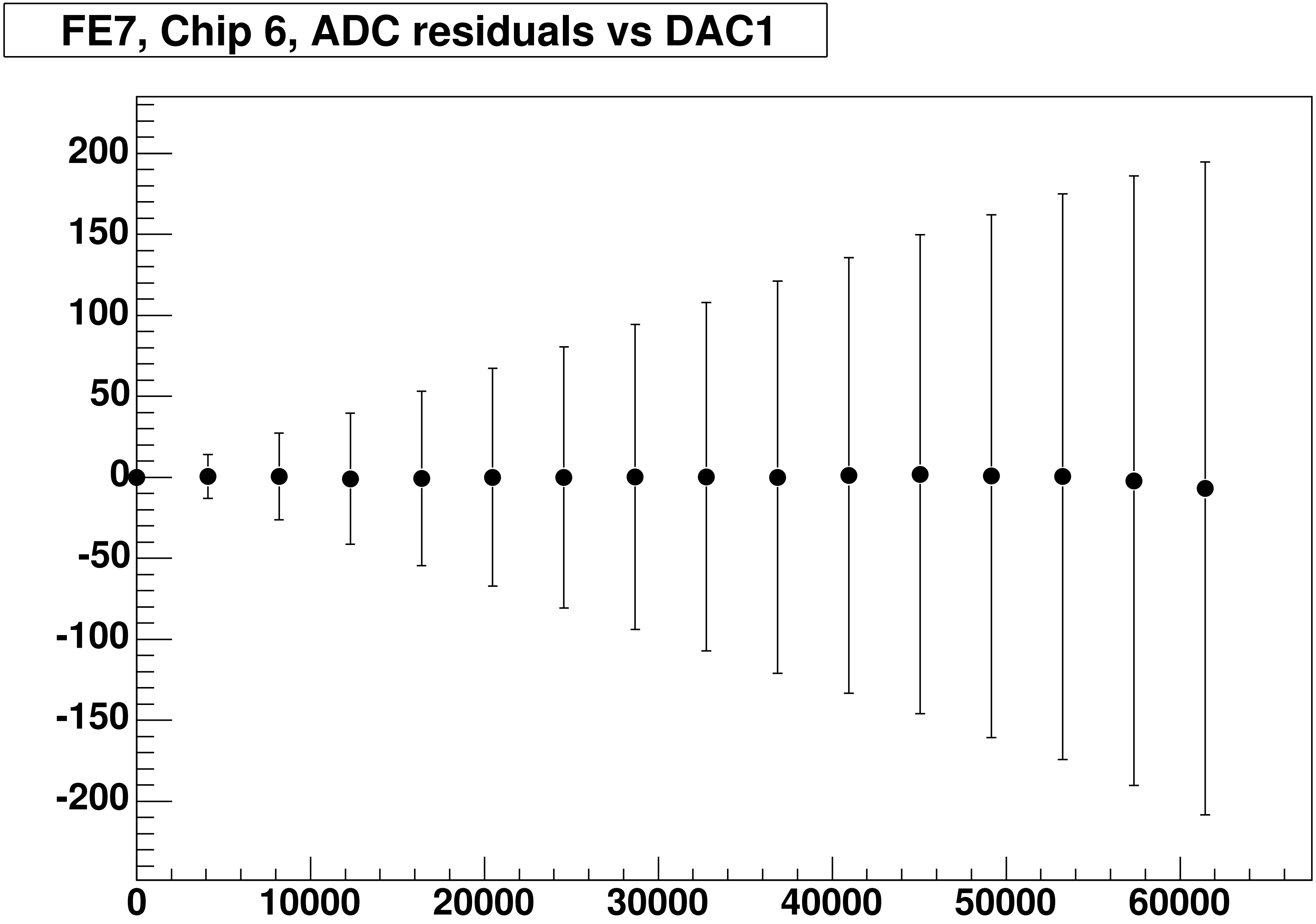


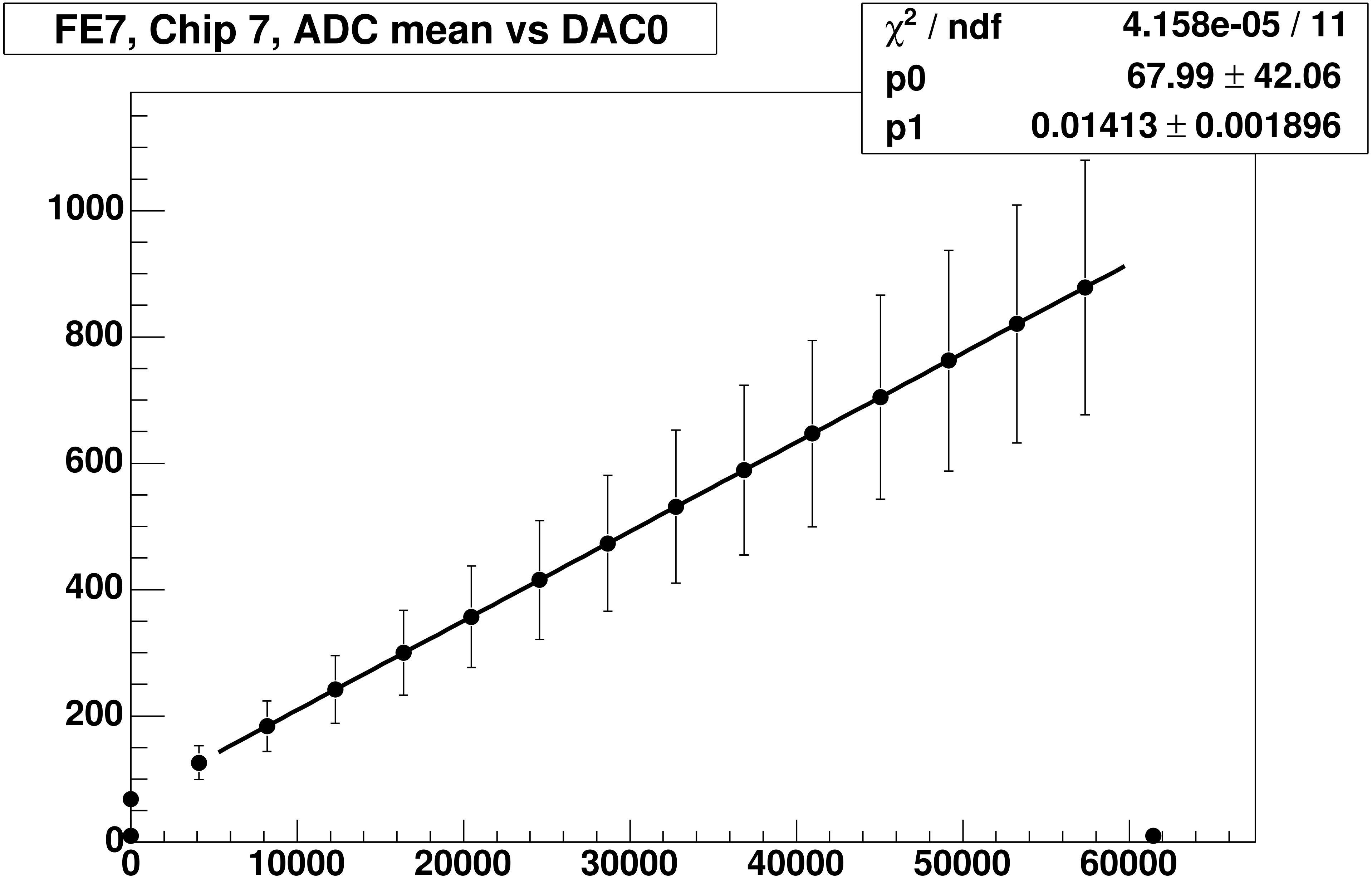

FE7, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



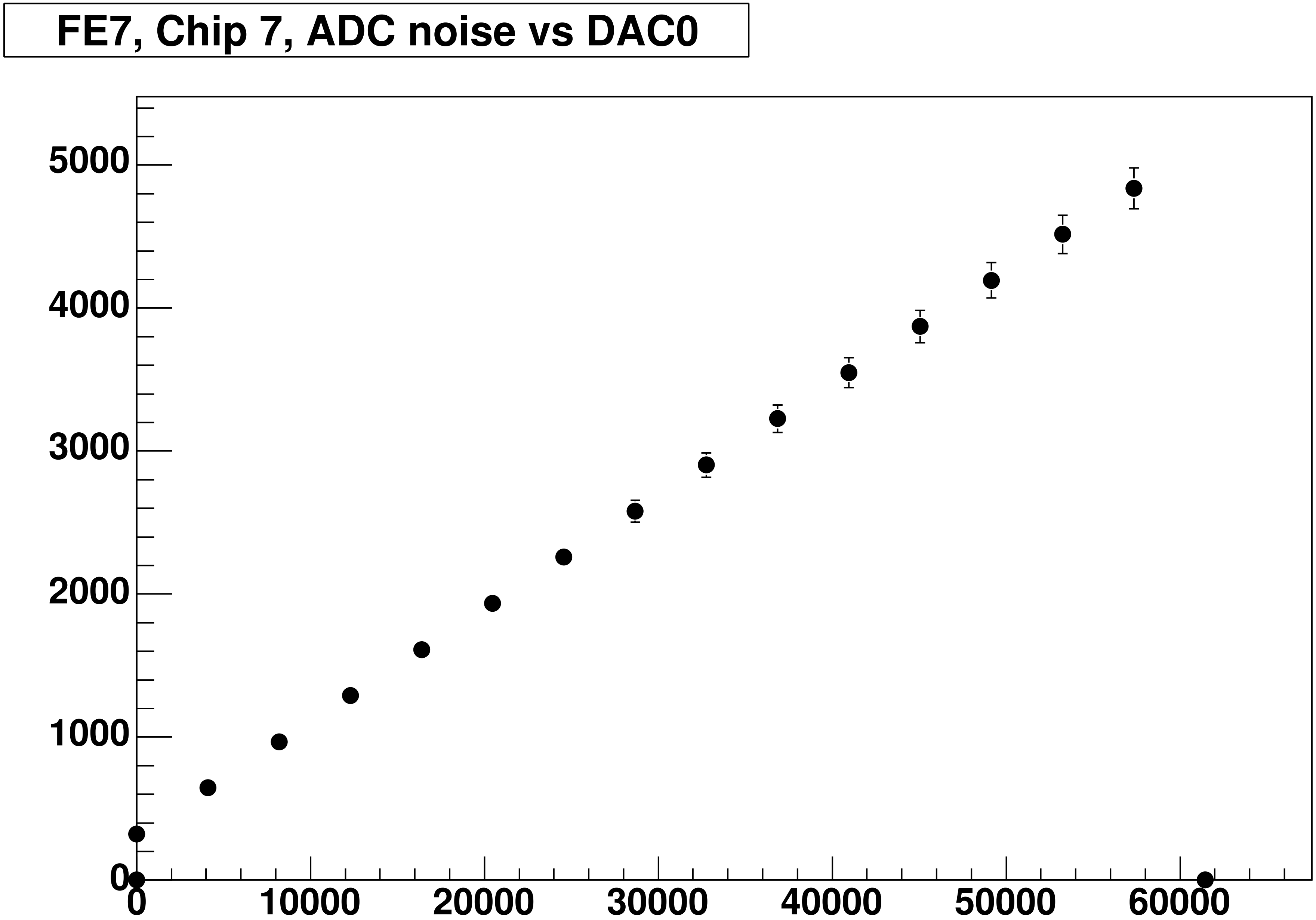
FE7, Chip 6, ADC mean vs DAC1
χ² / ndf 0.001345 / 11
p0 6.027 ± 31.17
p1 0.4381 ± 0.001602
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

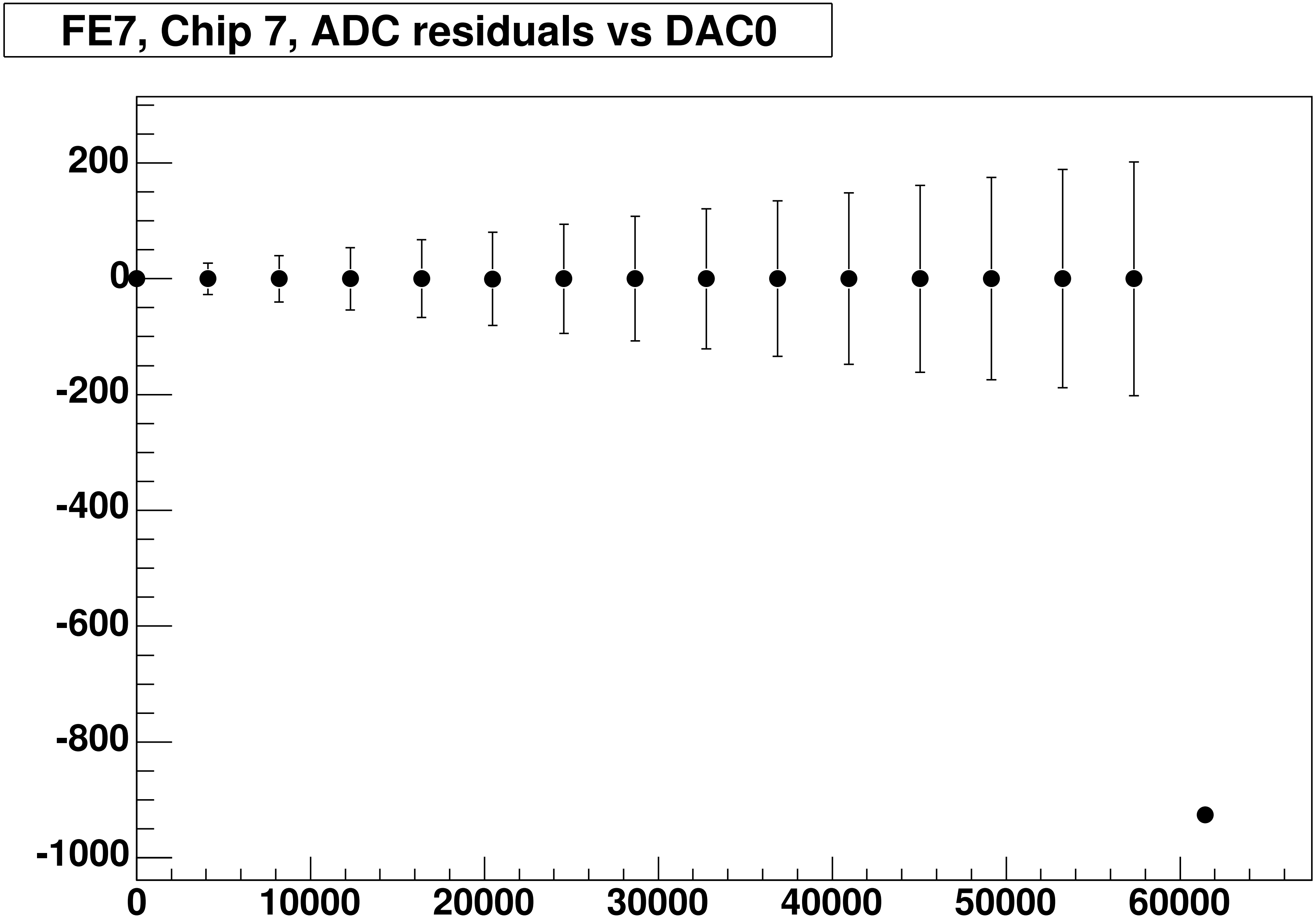

FE7, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

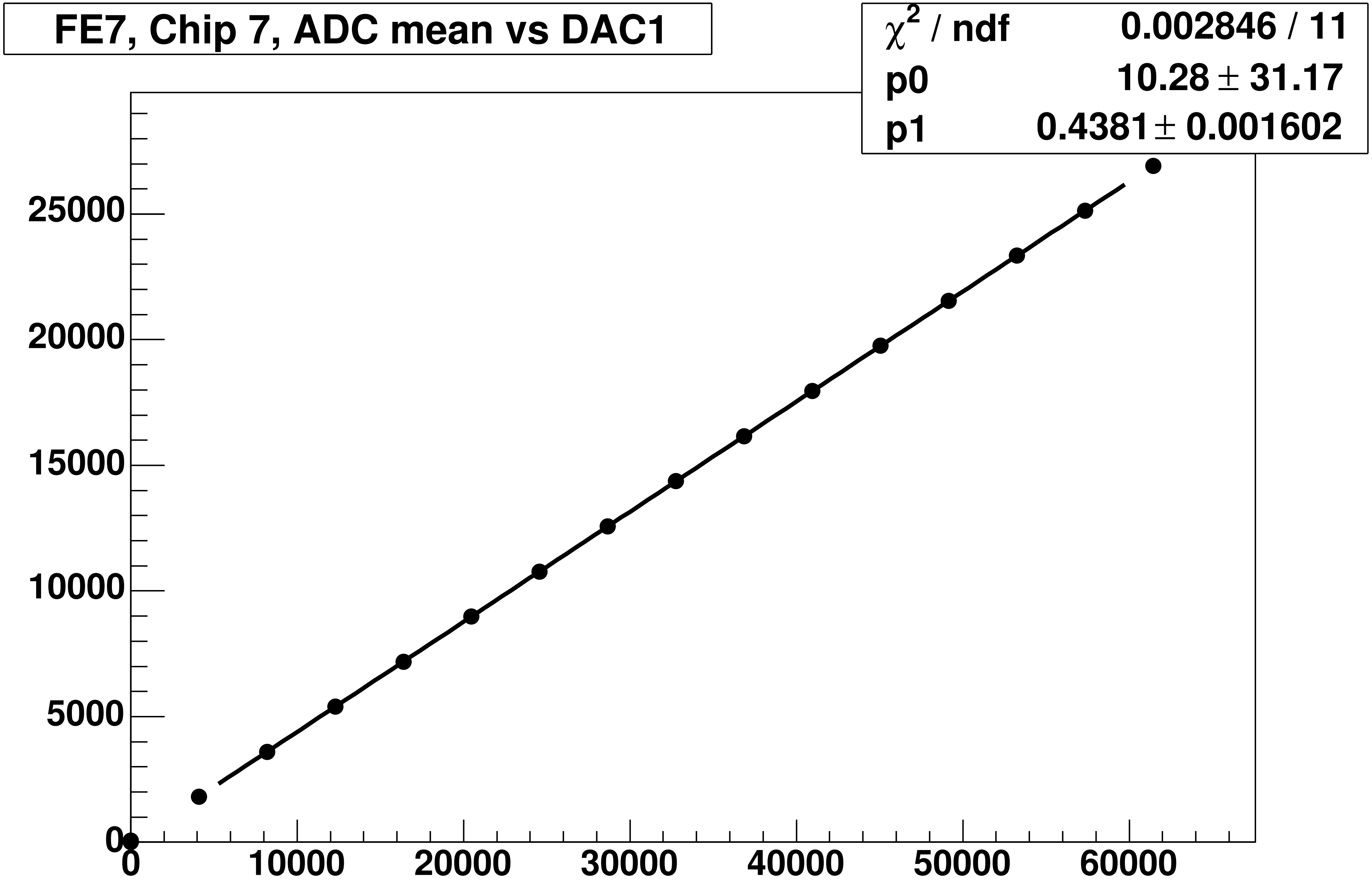

FE7, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

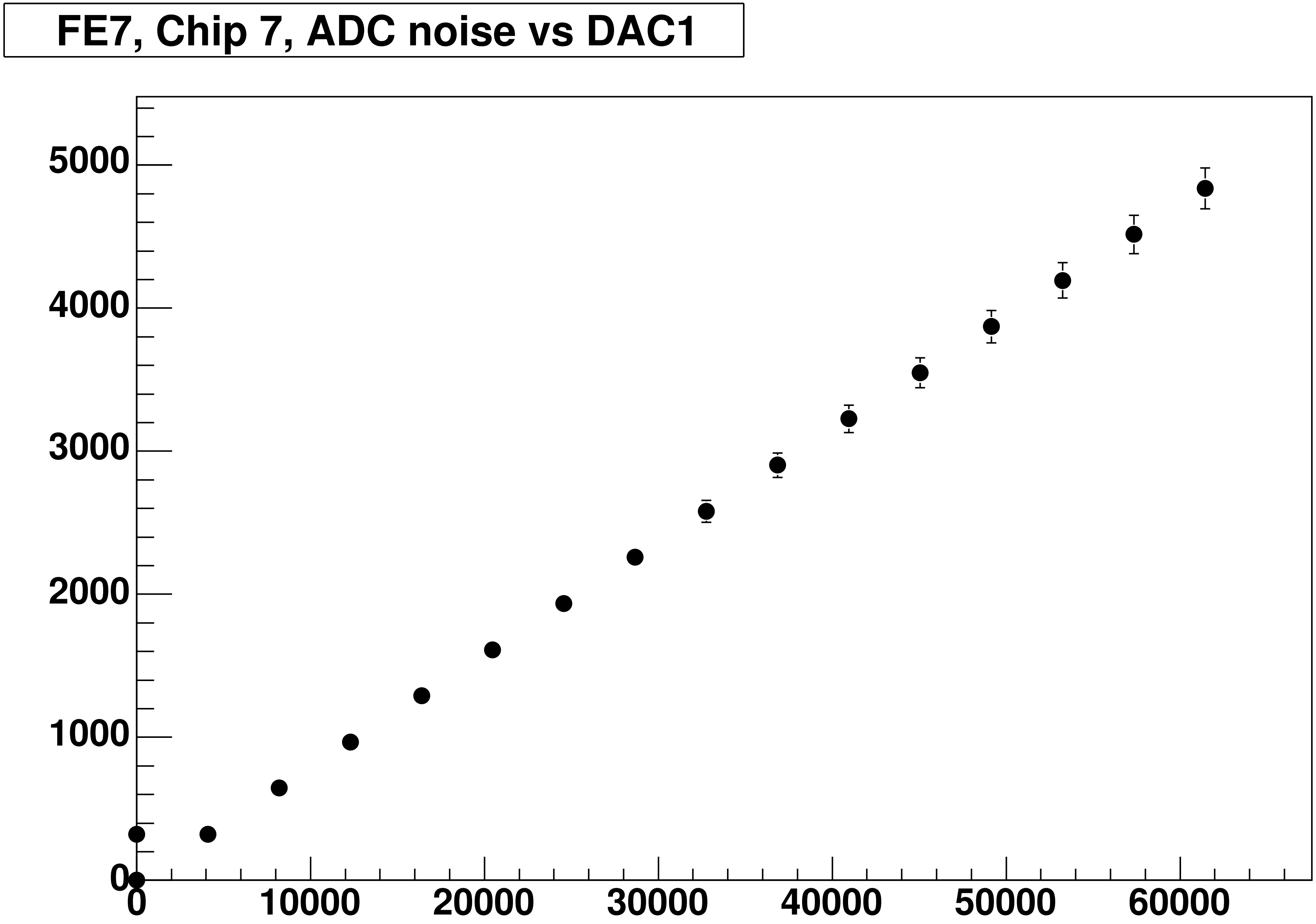


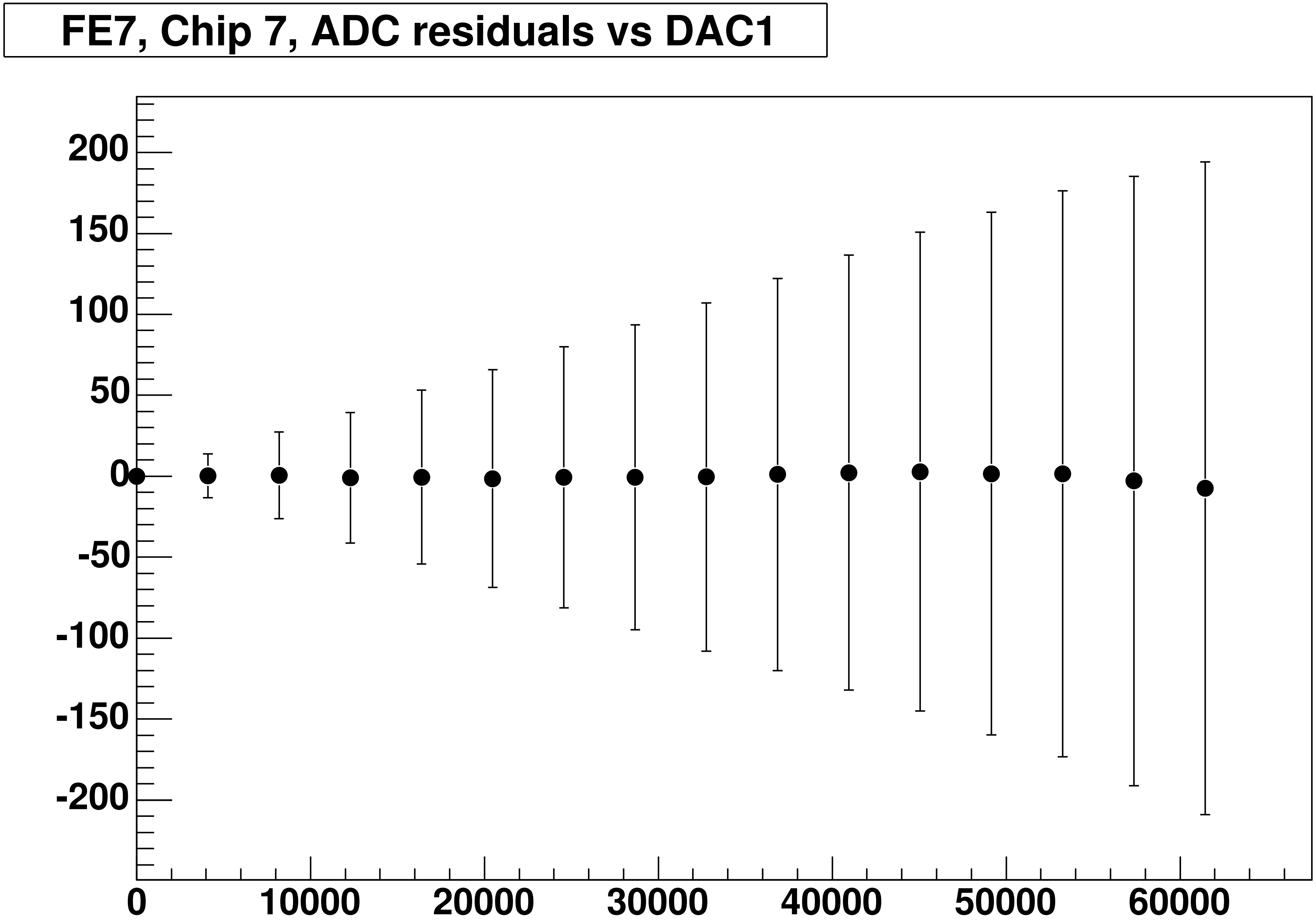
FE7, Chip 7, ADC mean vs DAC0
χ² / ndf 4.158e-05 / 11
p0 67.99 ± 42.06
p1 0.01413 ± 0.001896
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

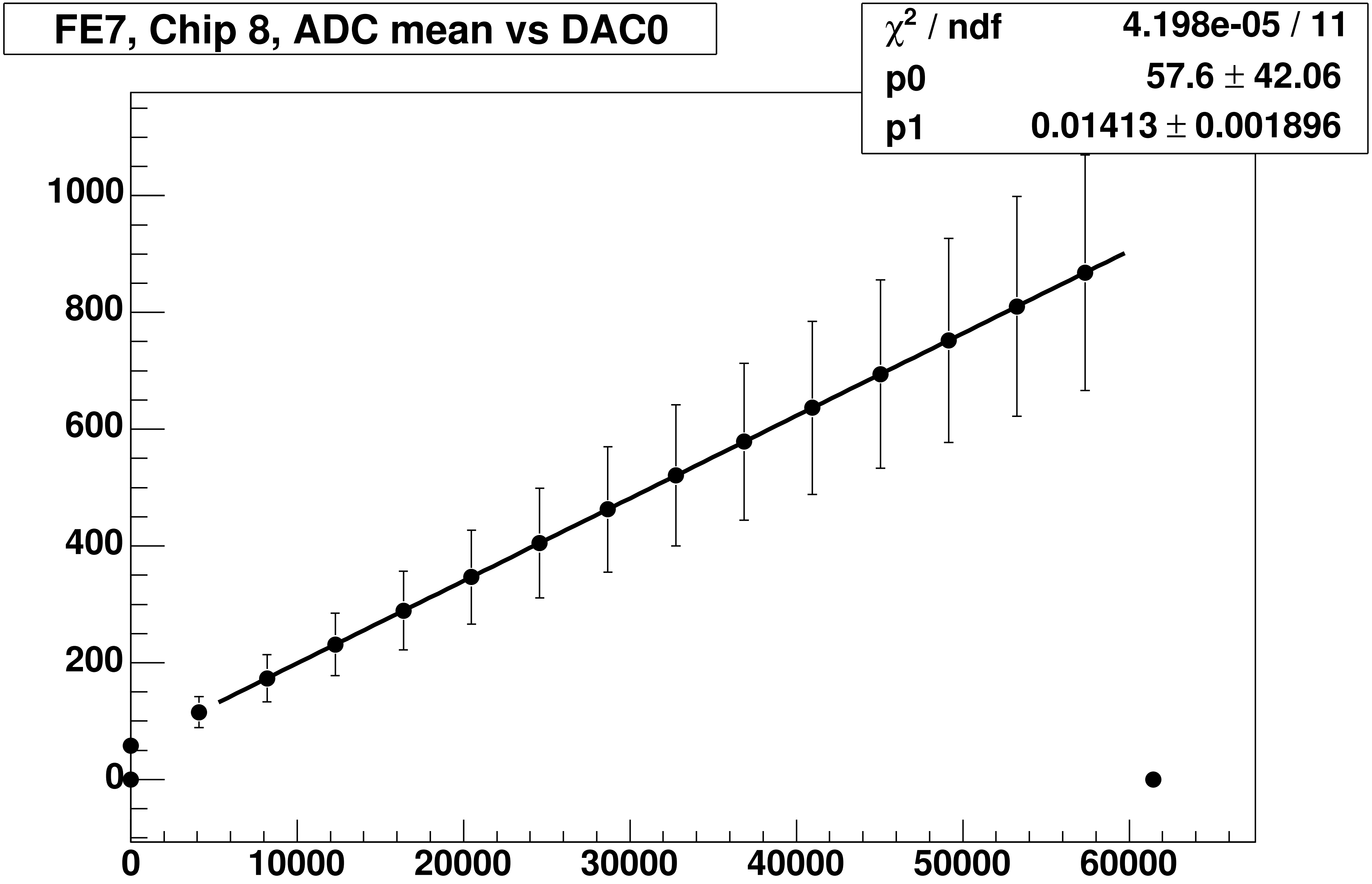

FE7, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

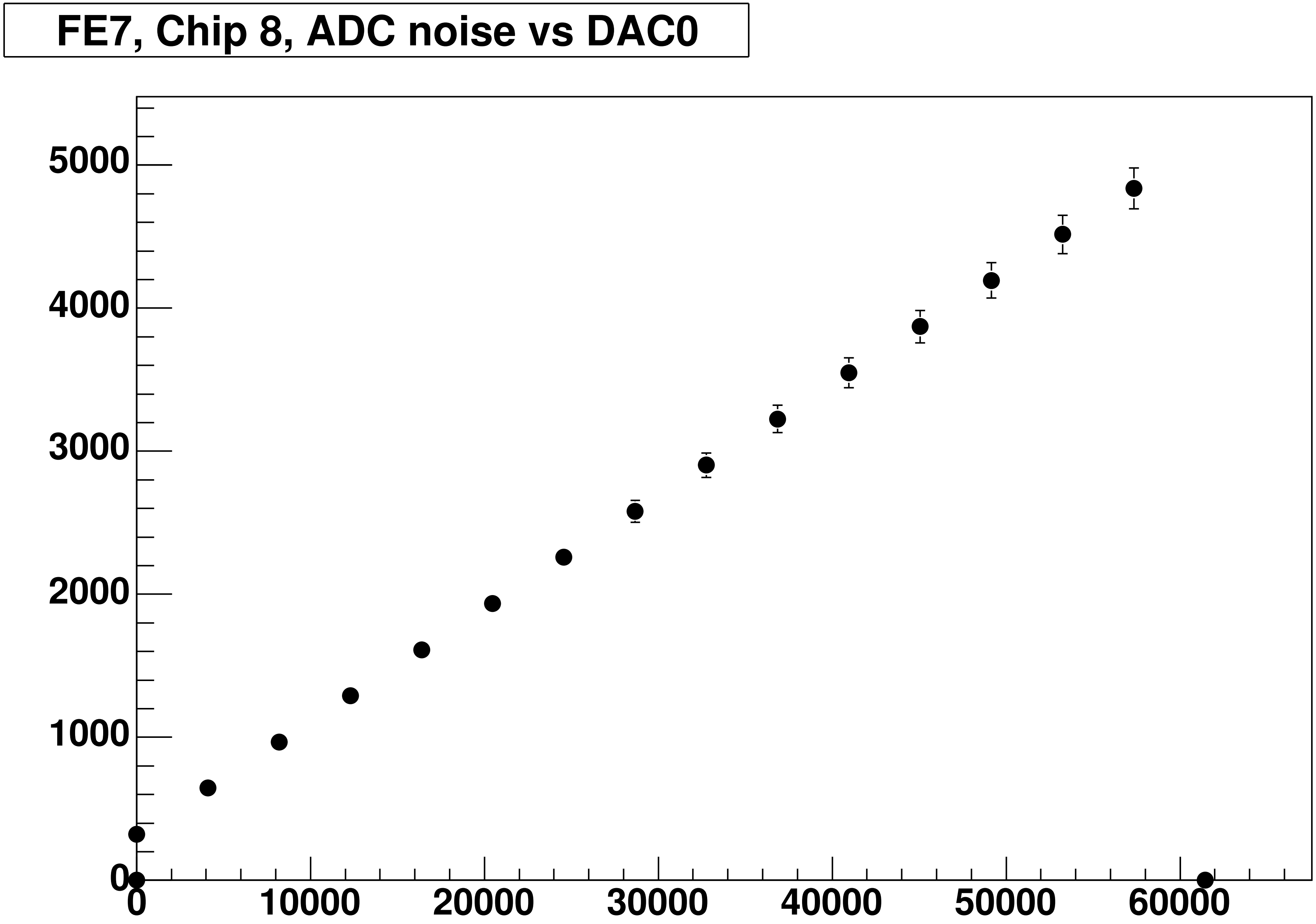

FE7, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.002846 / 11
p0 10.28 ± 31.17
p1 0.4381 ± 0.001602
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

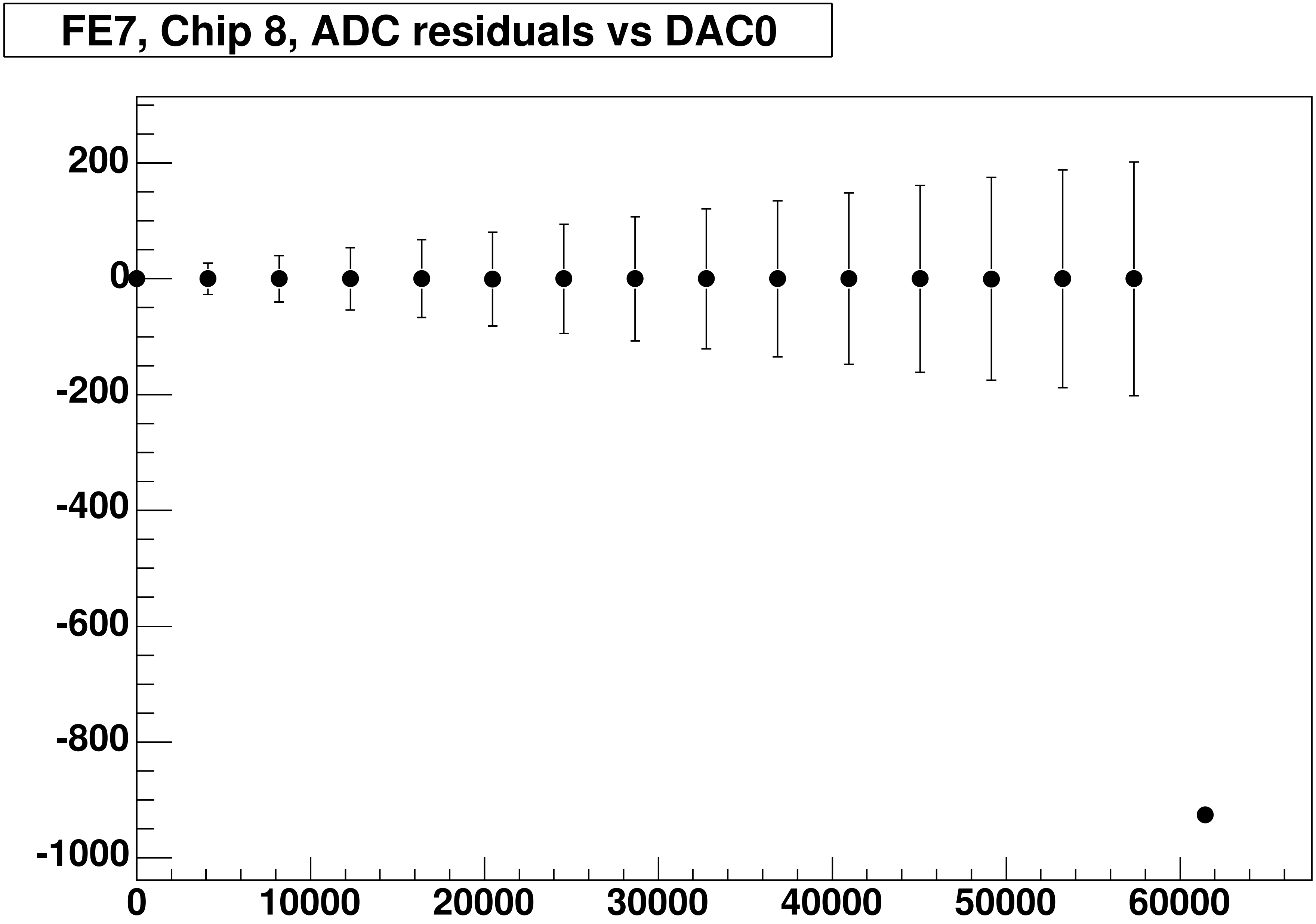

FE7, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



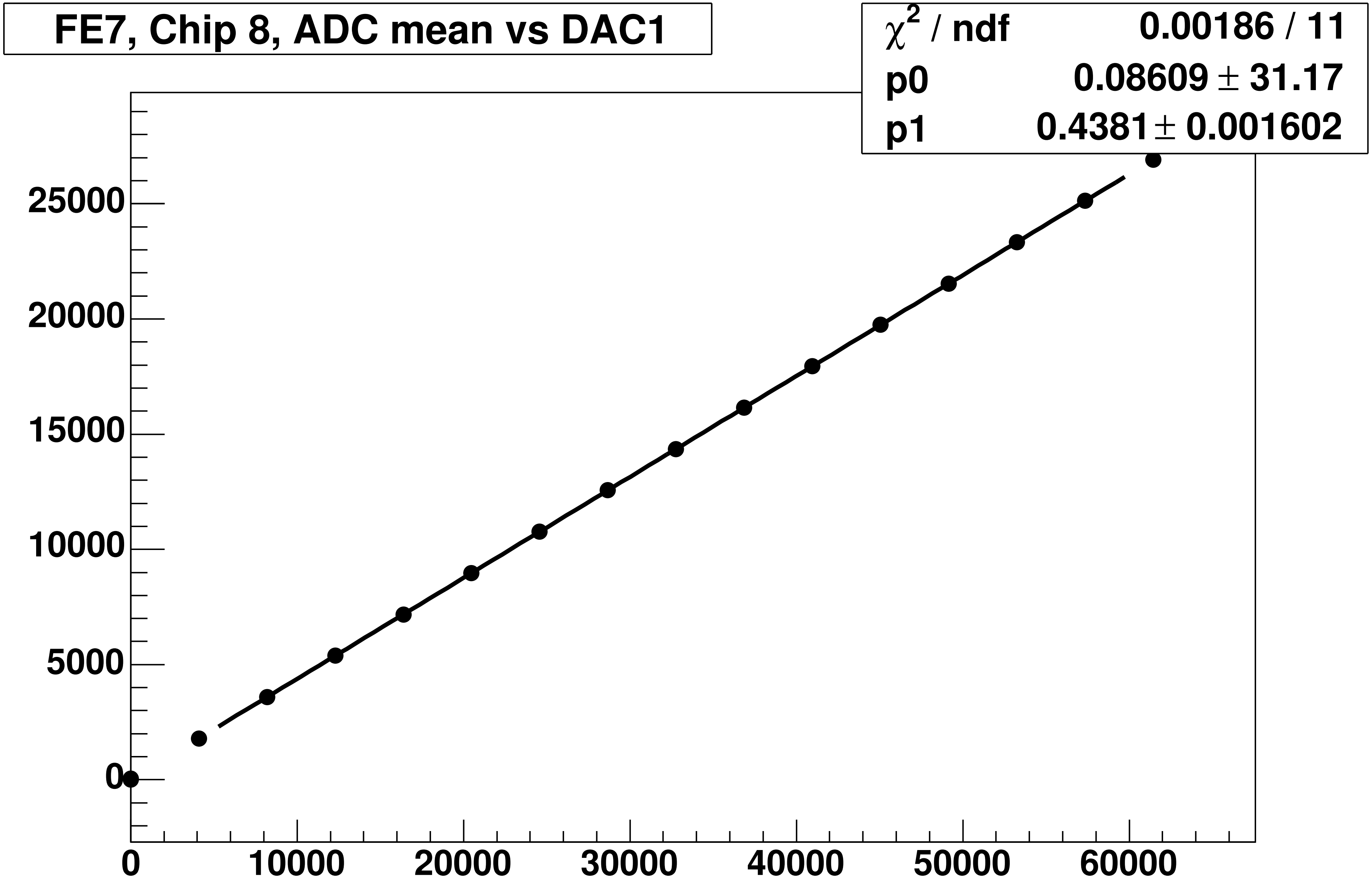
FE7, Chip 8, ADC mean vs DAC0
χ^2 / ndf 4.198e-05 / 11
p0 57.6 ± 42.06
p1 0.01413 ± 0.001896
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

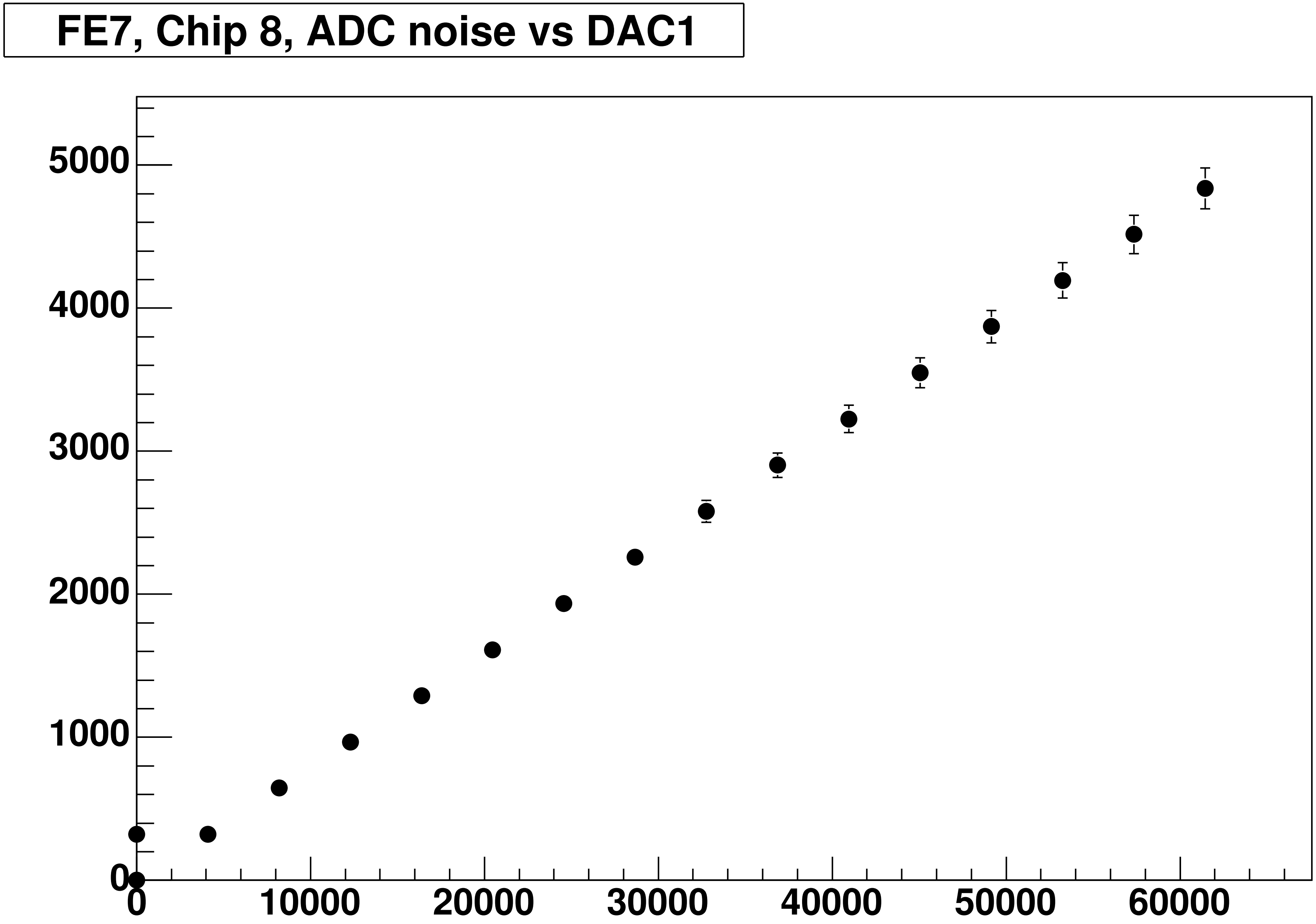


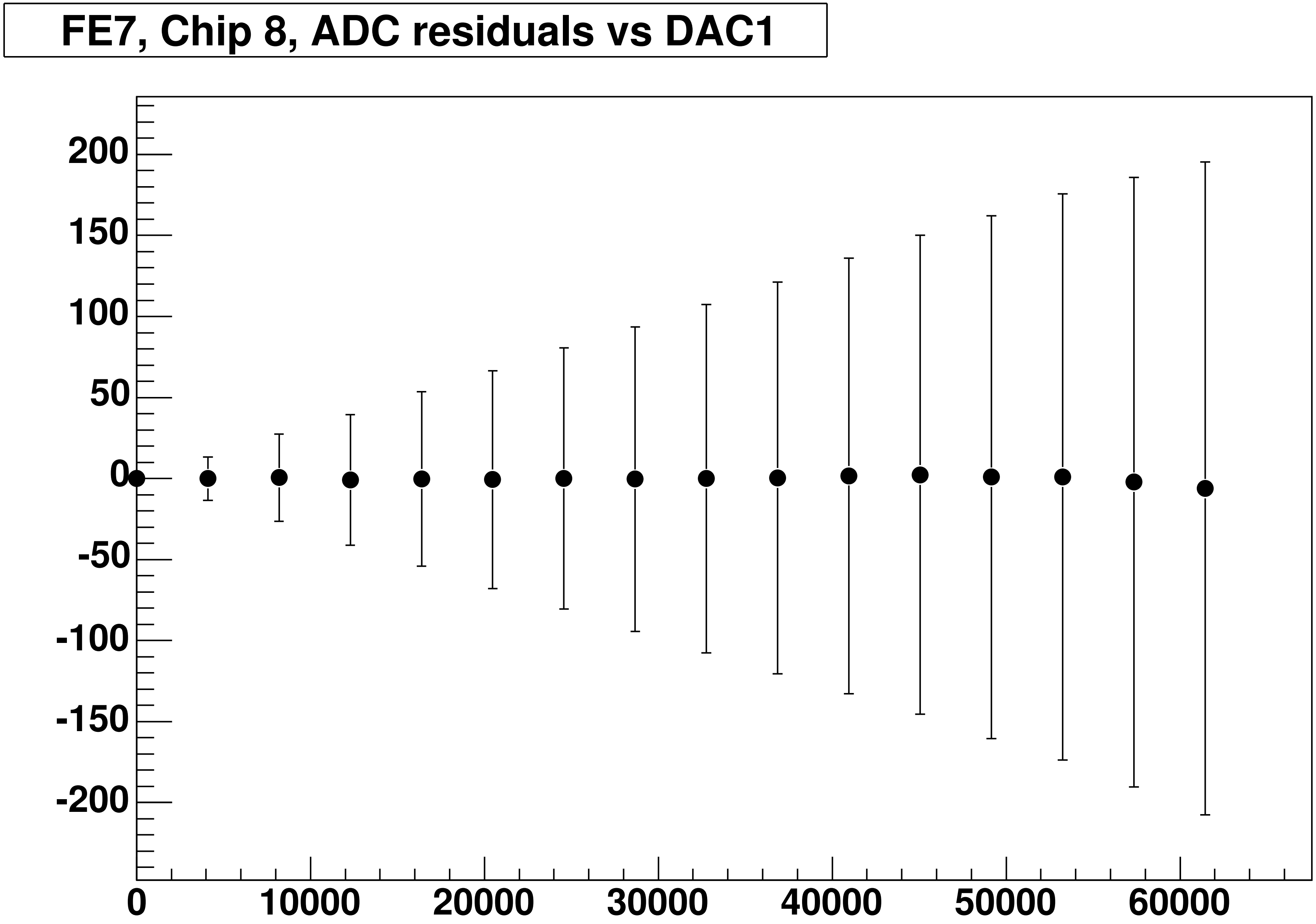
FE7, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

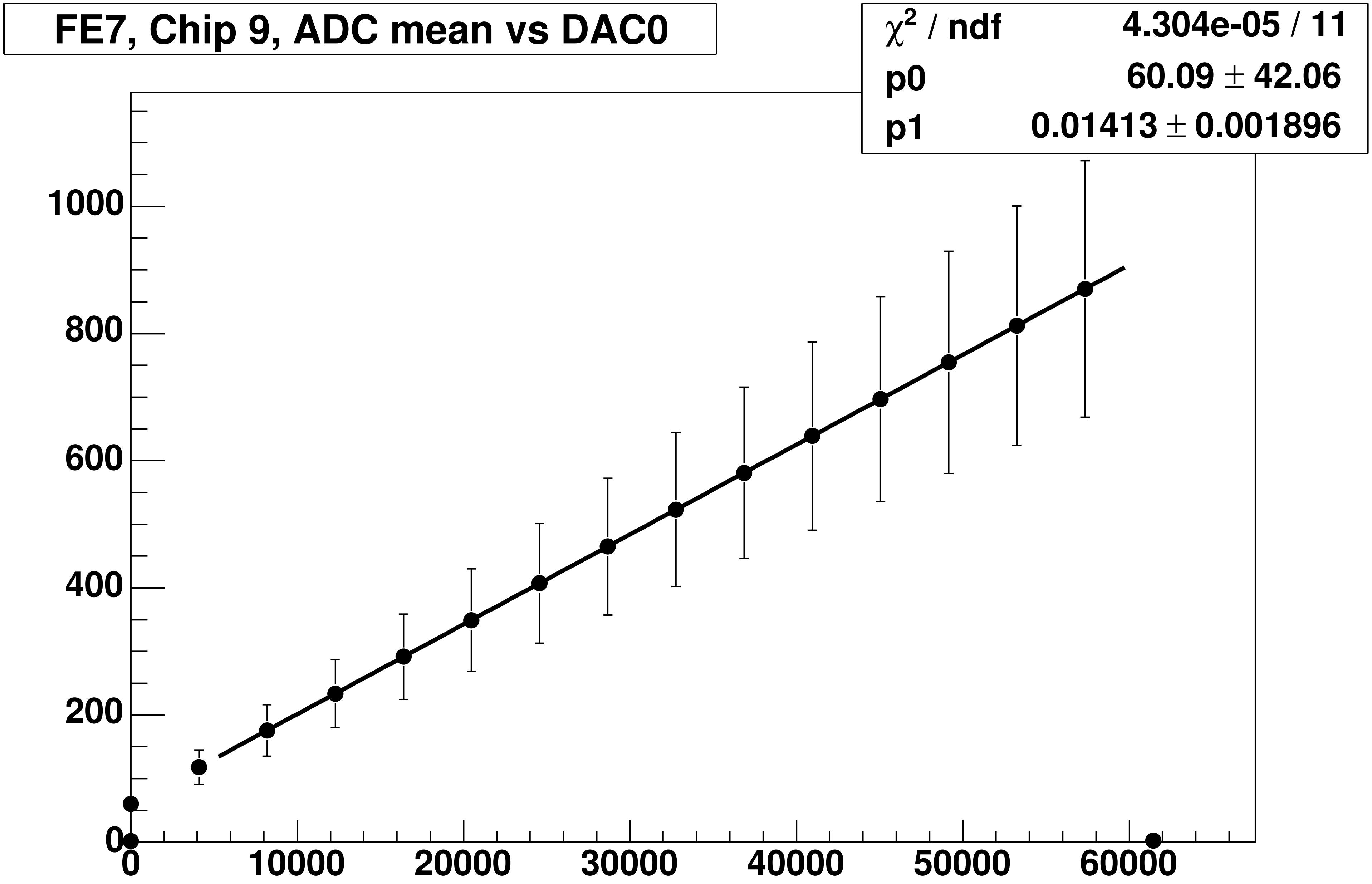


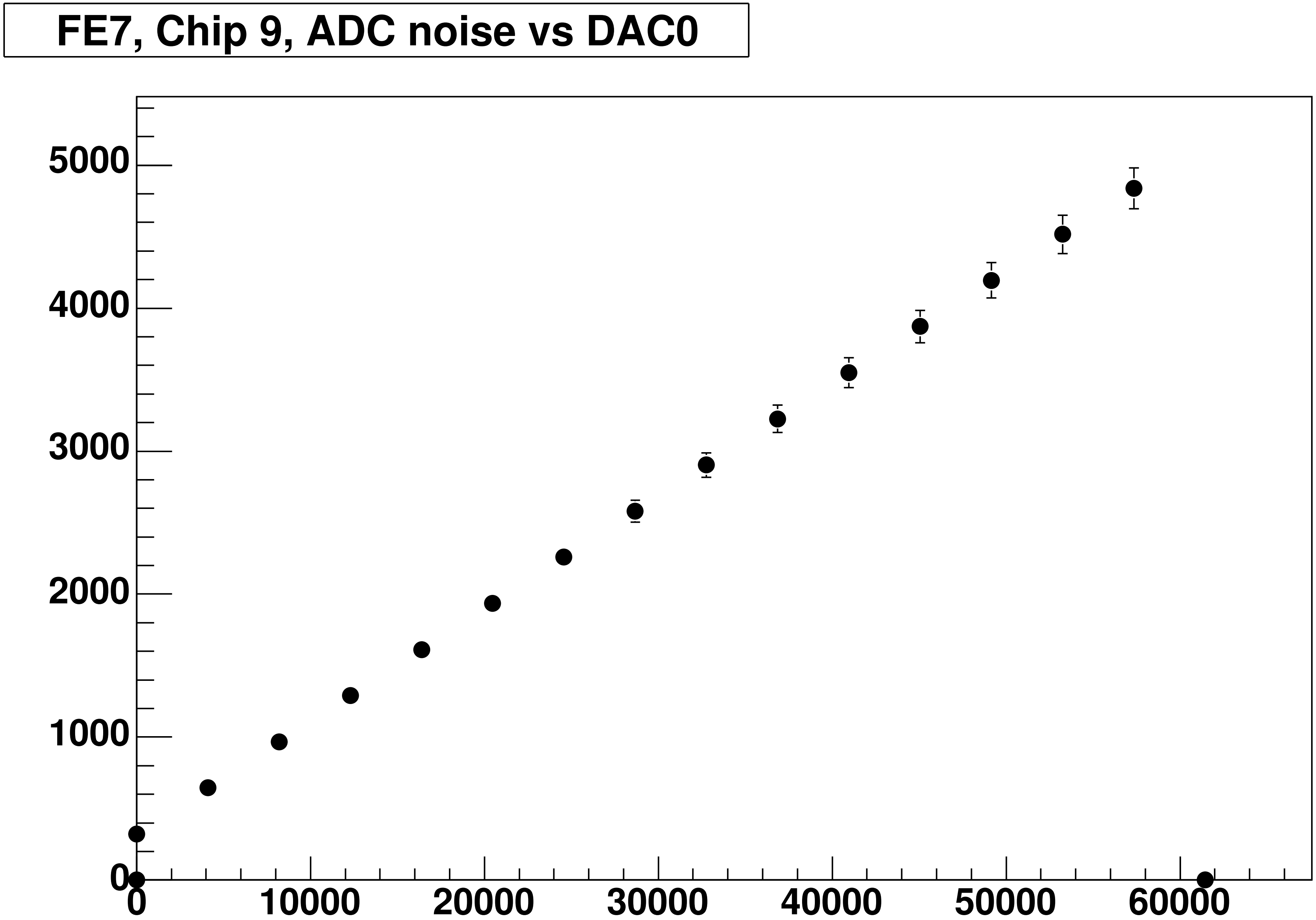
FE7, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

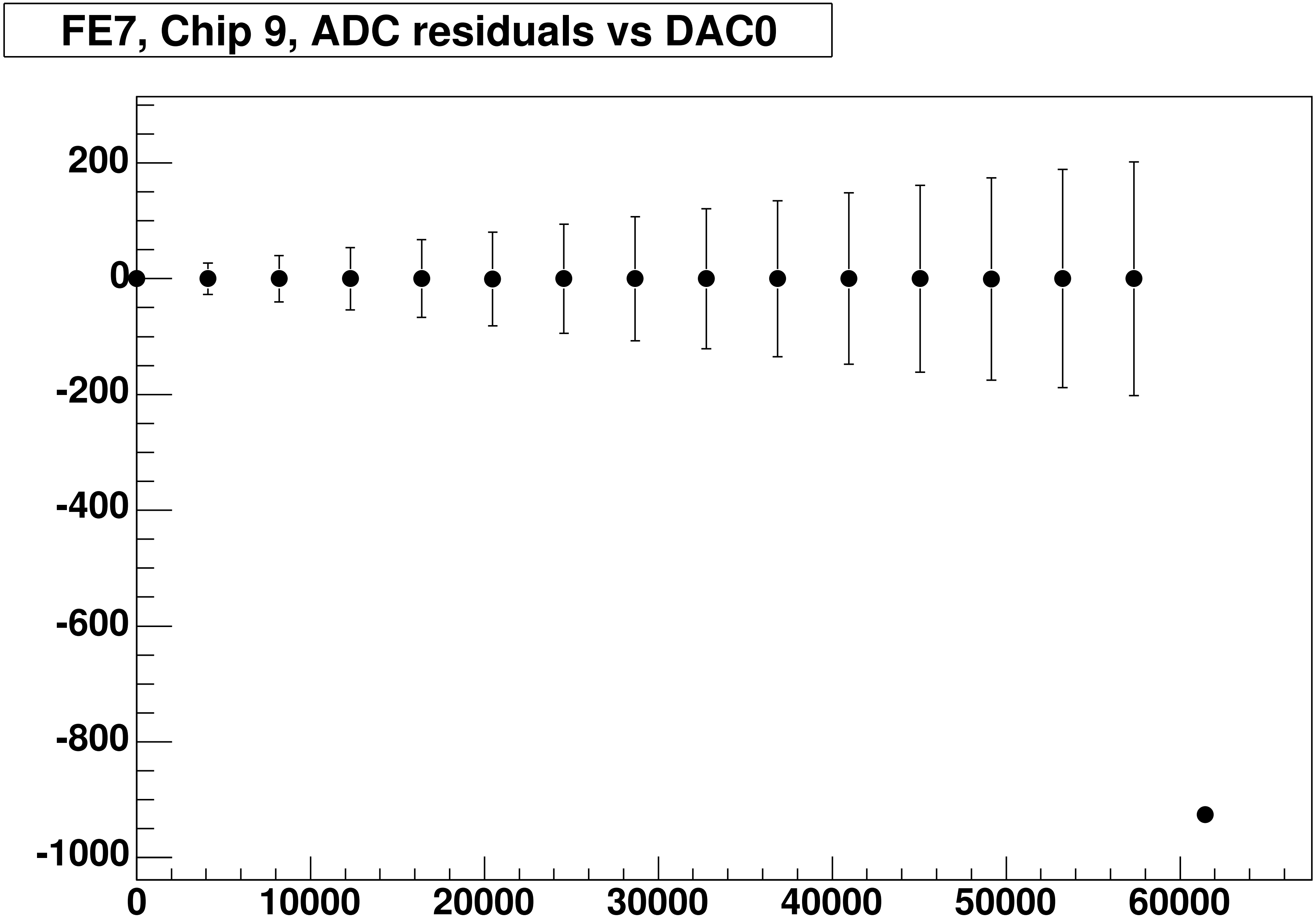

FE7, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.00186 / 11
p0 0.08609 ± 31.17
p1 0.4381 ± 0.001602
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

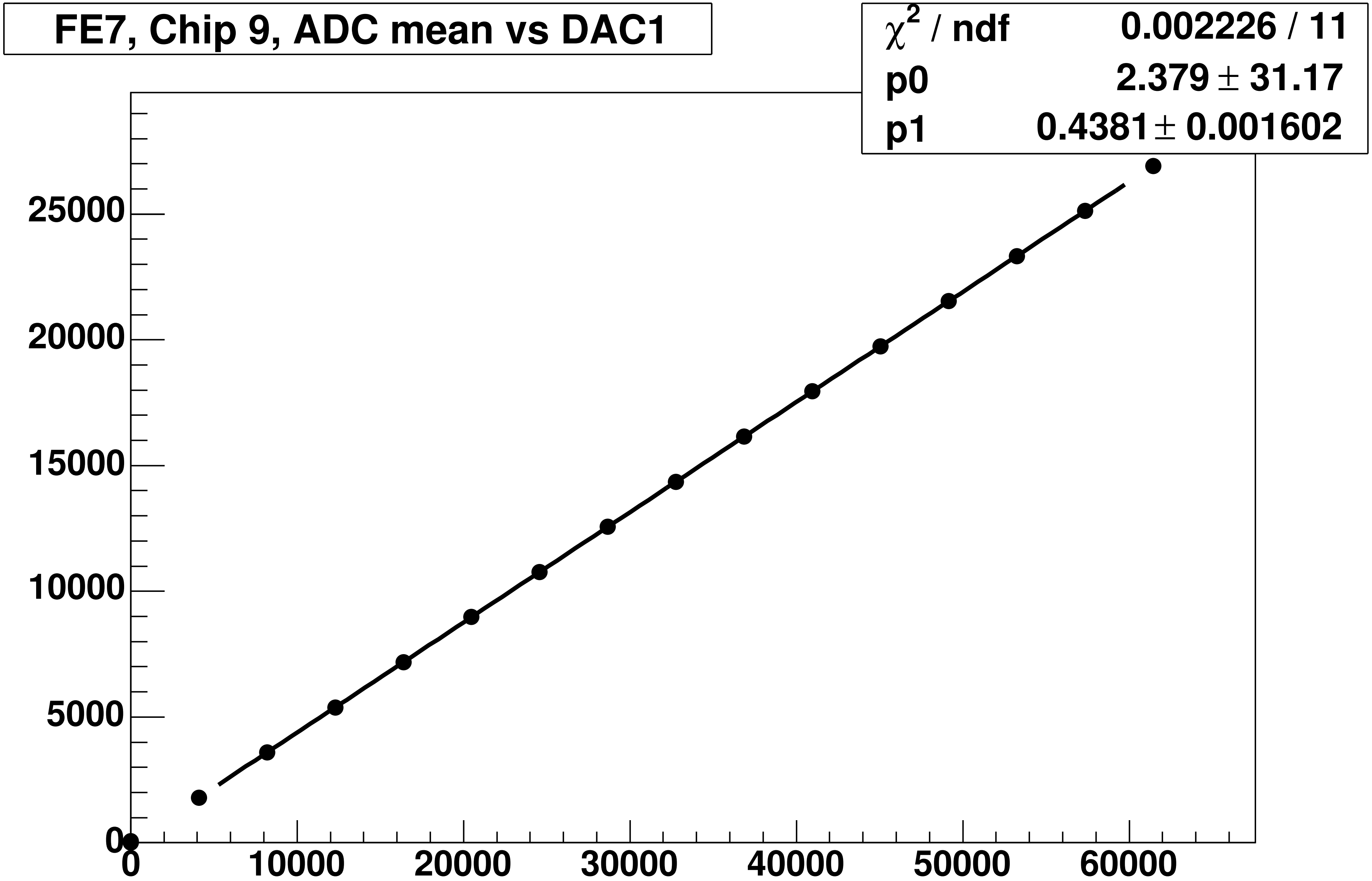

FE7, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 9, ADC mean vs DAC0
χ^2 / ndf 4.304e-05 / 11
p0 60.09 ± 42.06
p1 0.01413 ± 0.001896
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

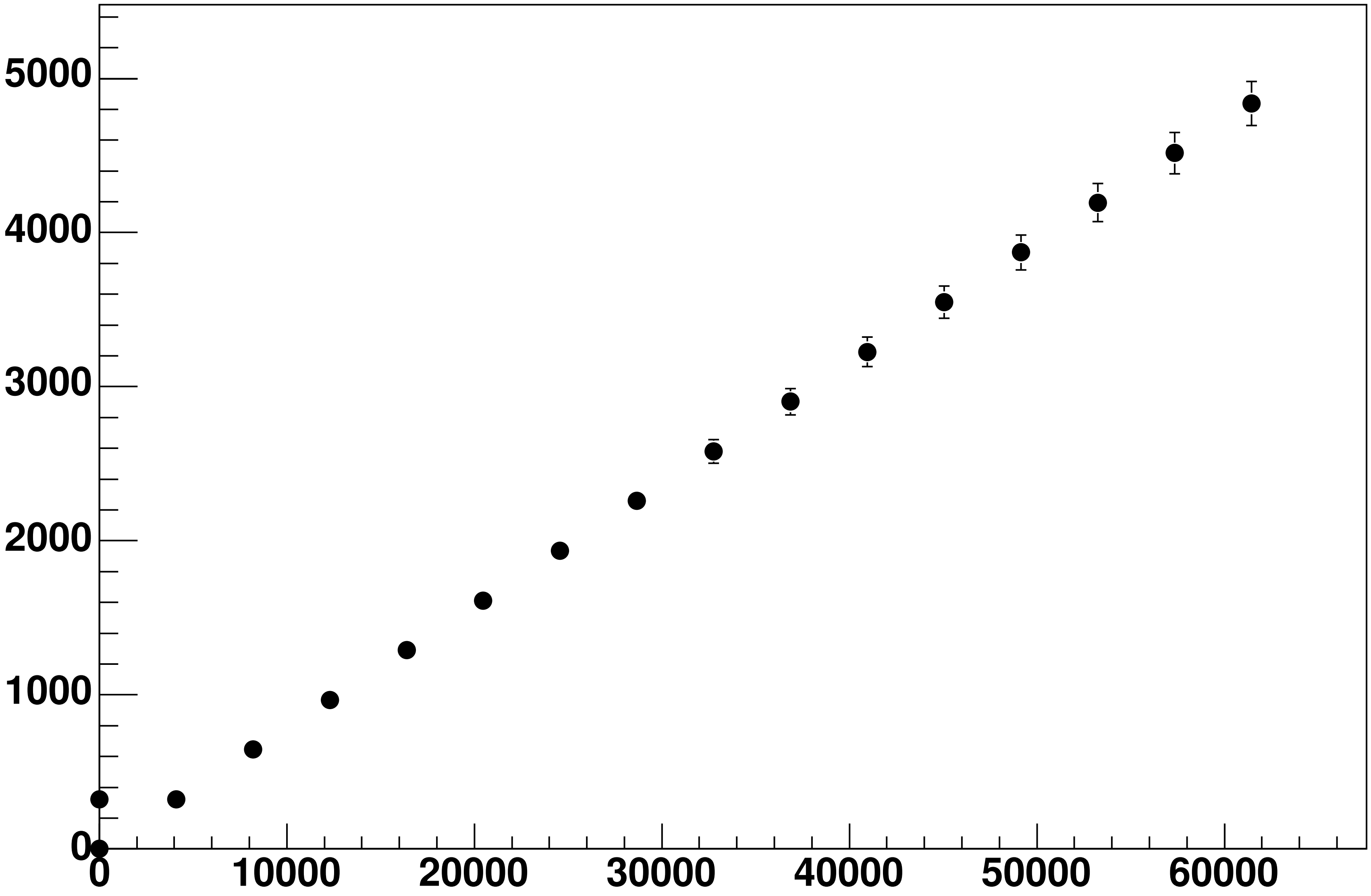

FE7, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

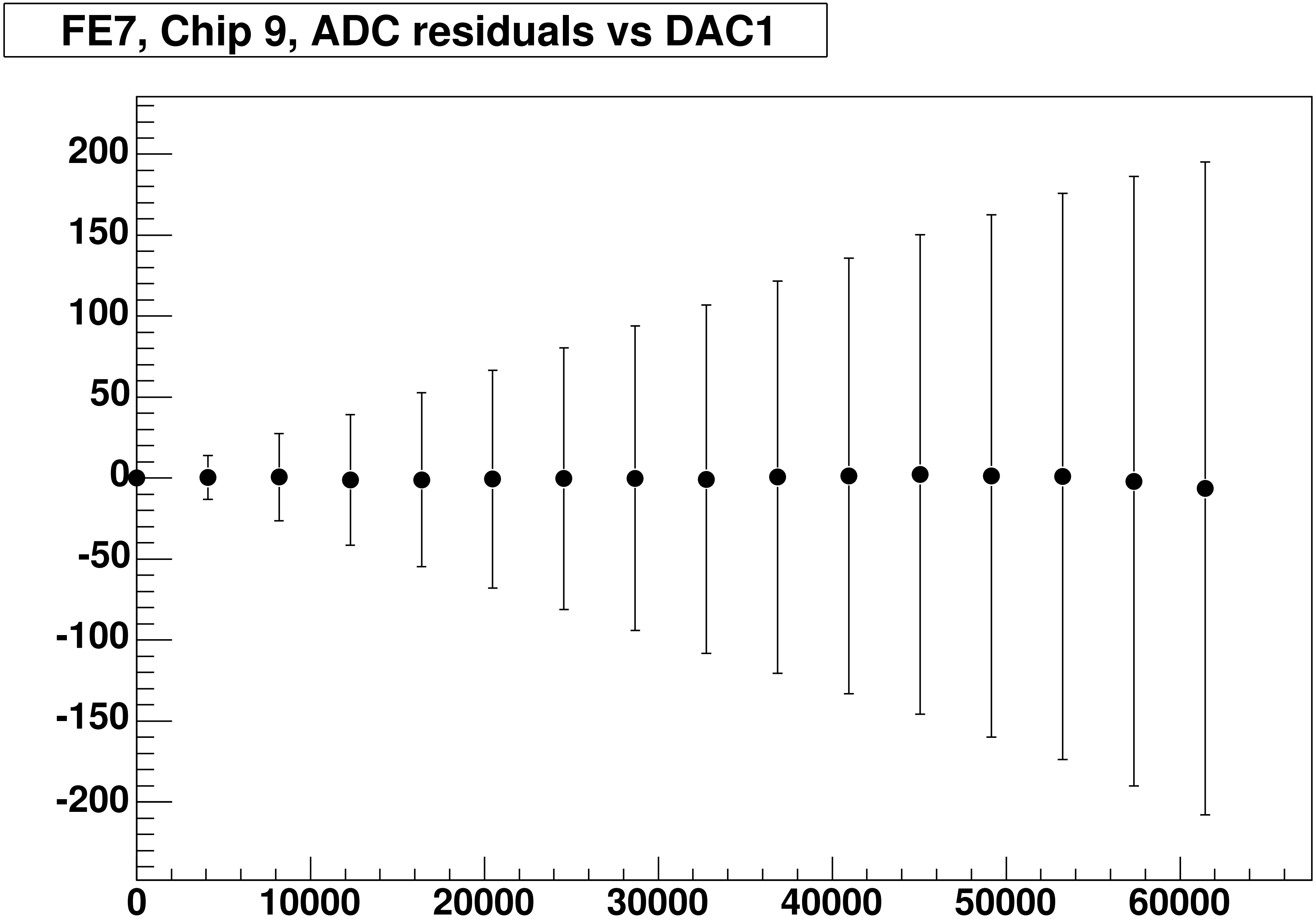


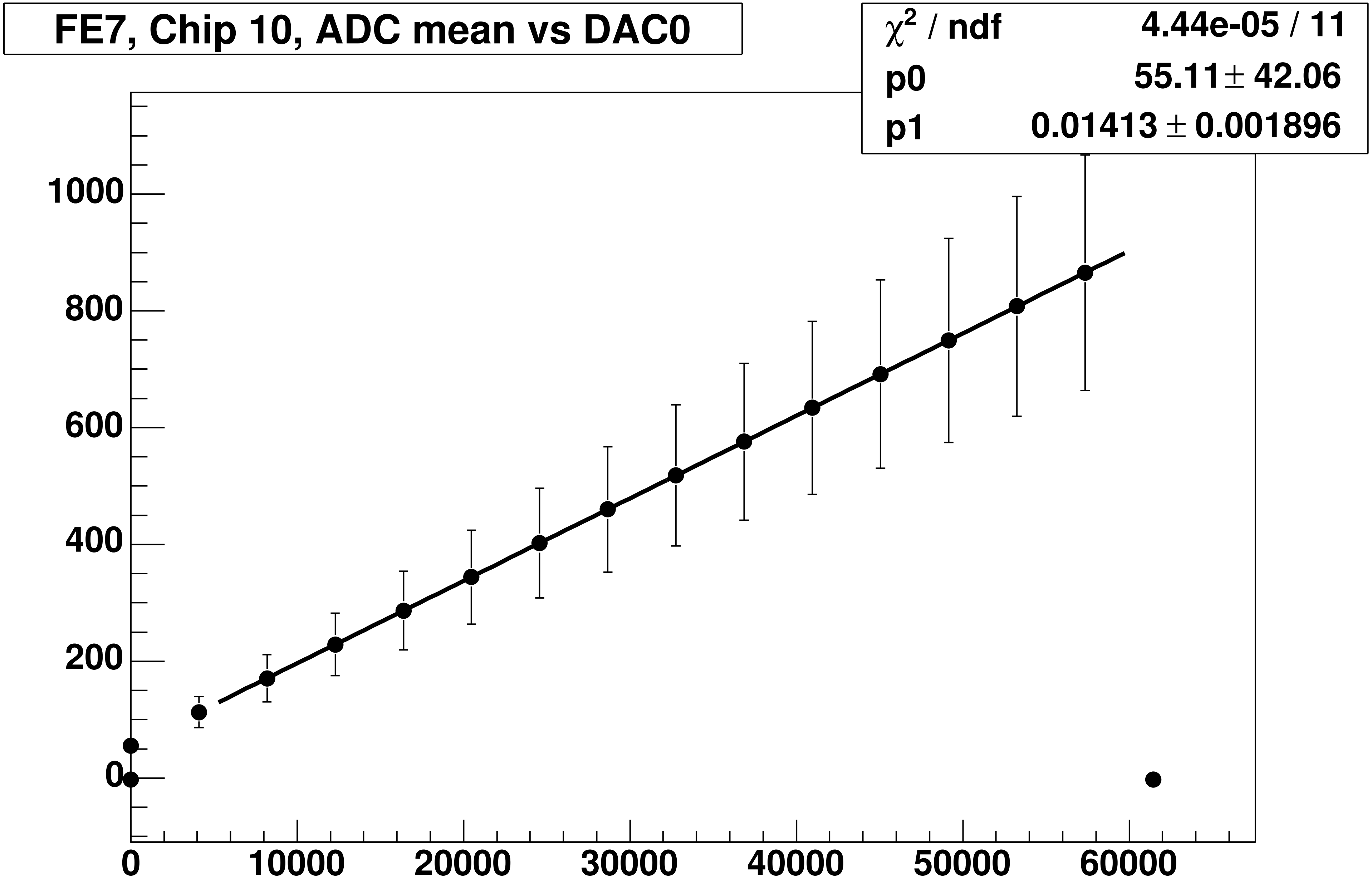
FE7, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.002226 / 11
p0 2.379 ± 31.17
p1 0.4381 ± 0.001602
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

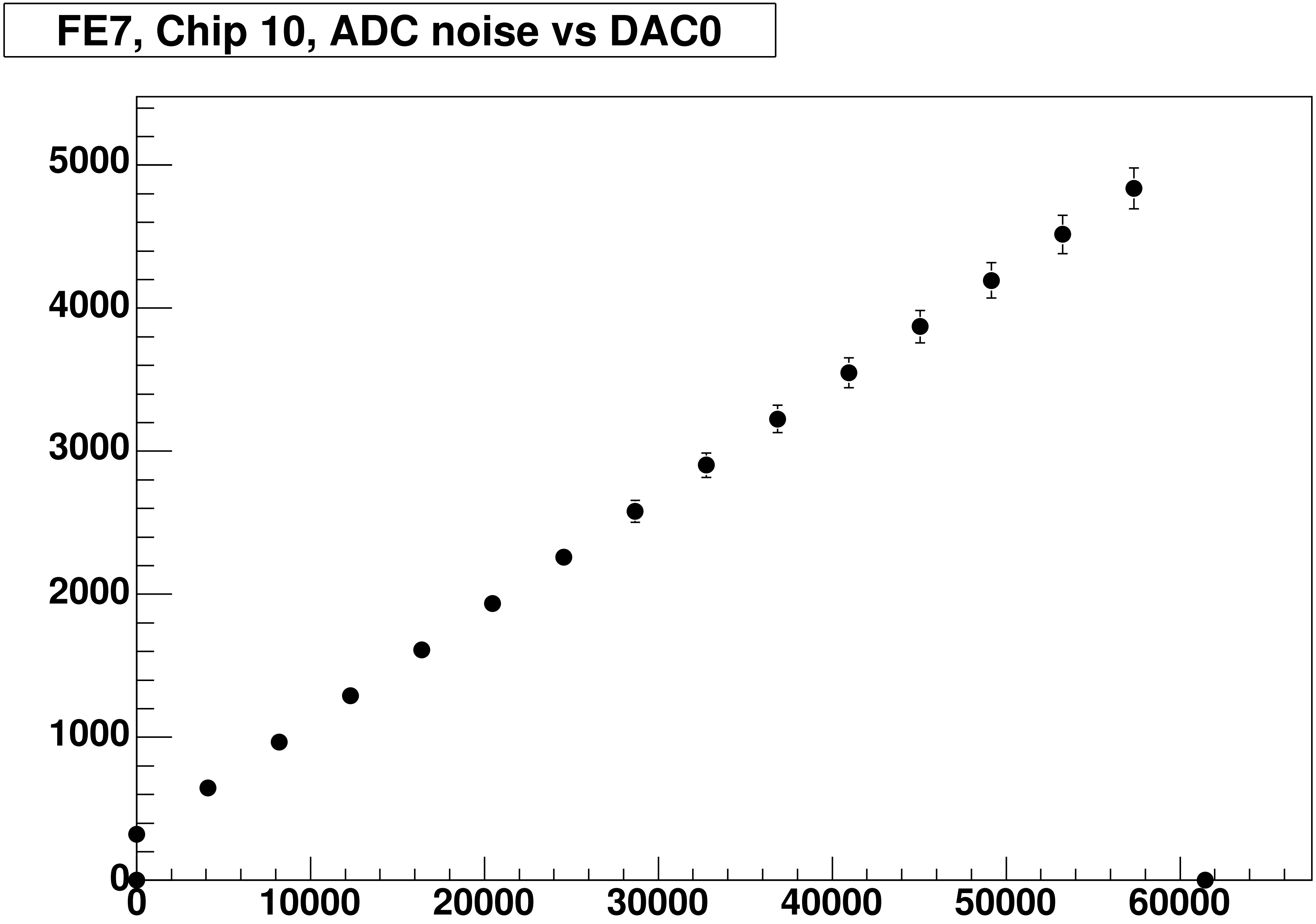
FE7, Chip 9, ADC noise vs DAC1

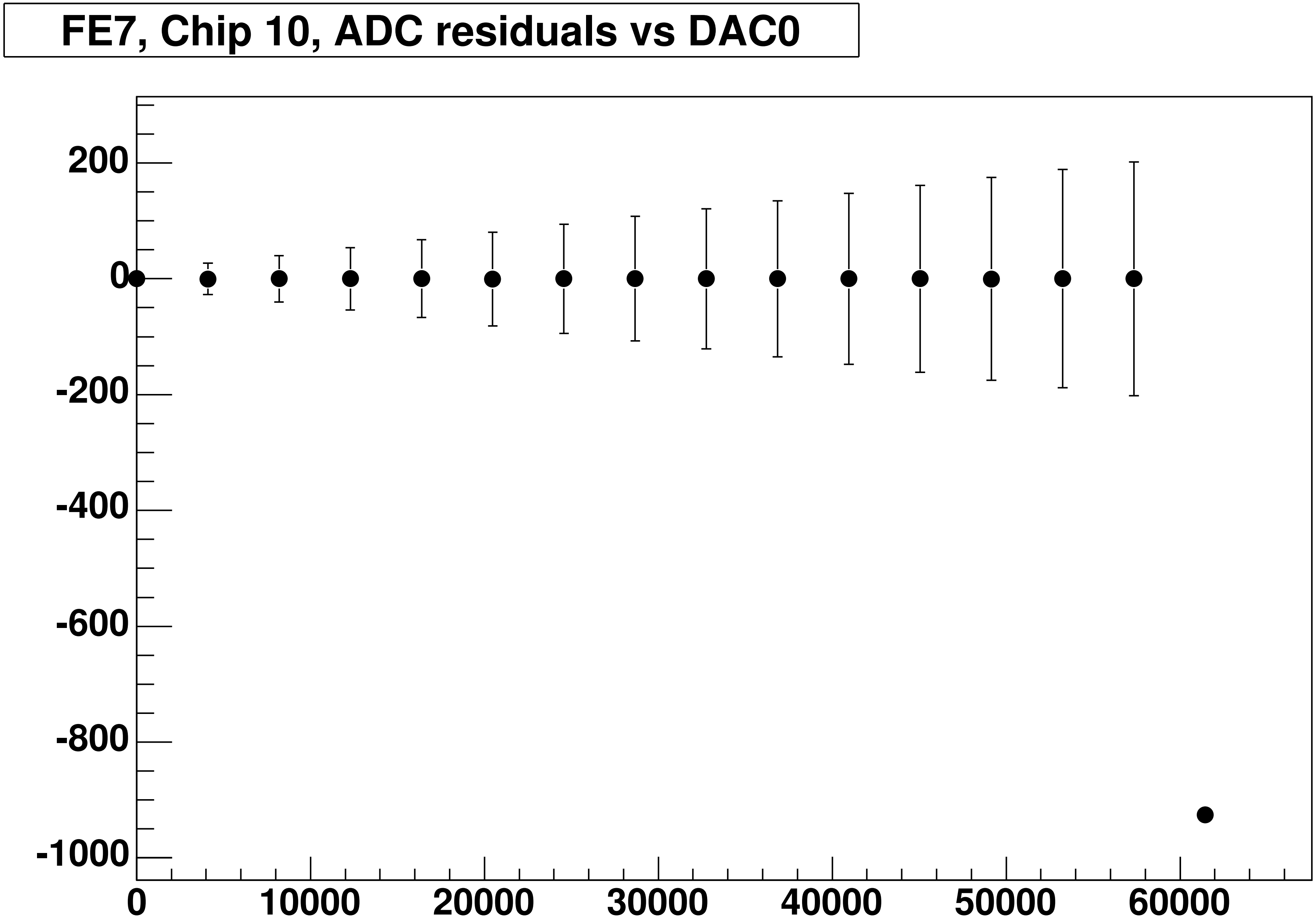


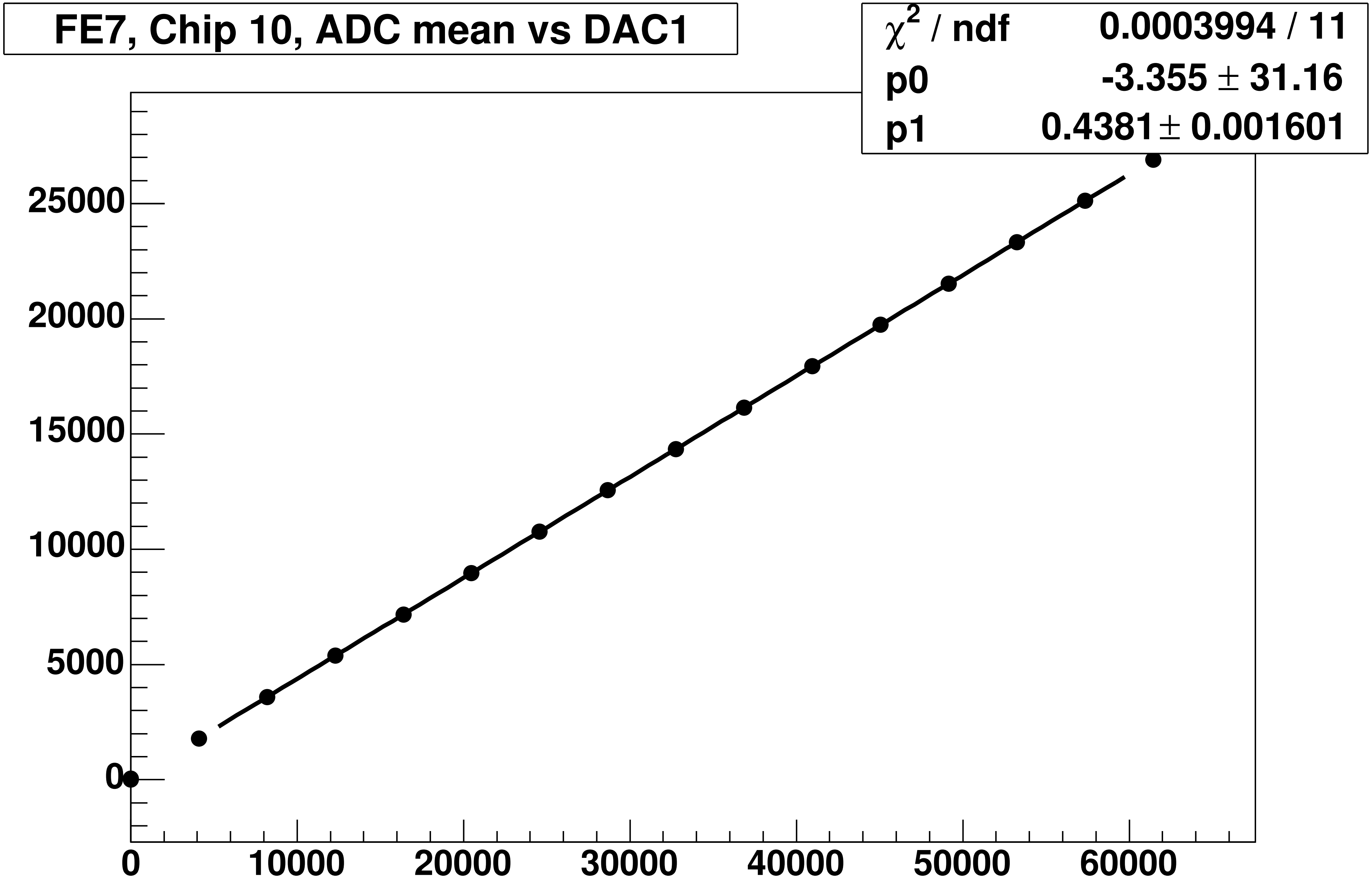

FE7, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



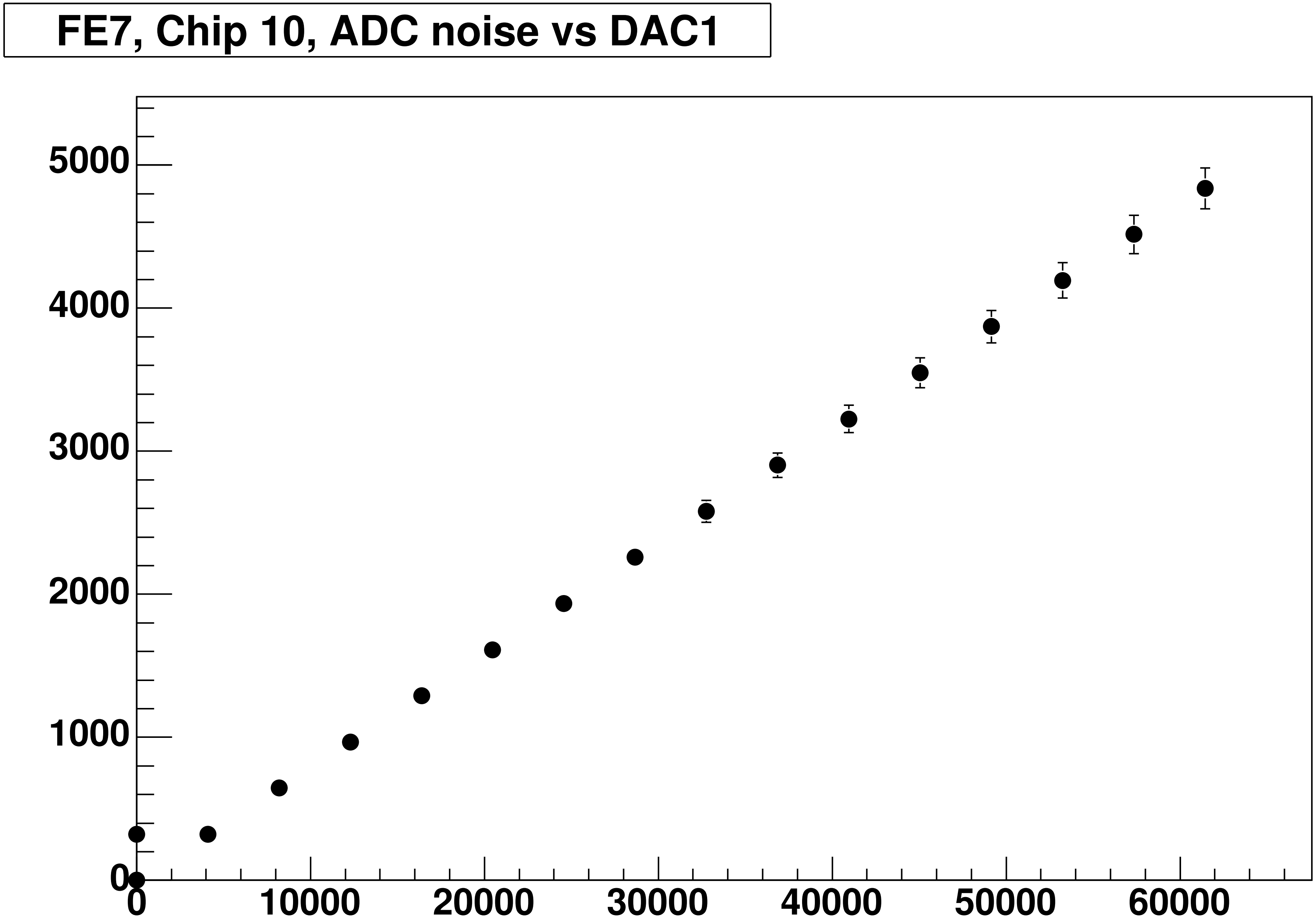
FE7, Chip 10, ADC mean vs DAC0
χ^2 / ndf 4.44e-05 / 11
p0 55.11 ± 42.06
p1 0.01413 ± 0.001896
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

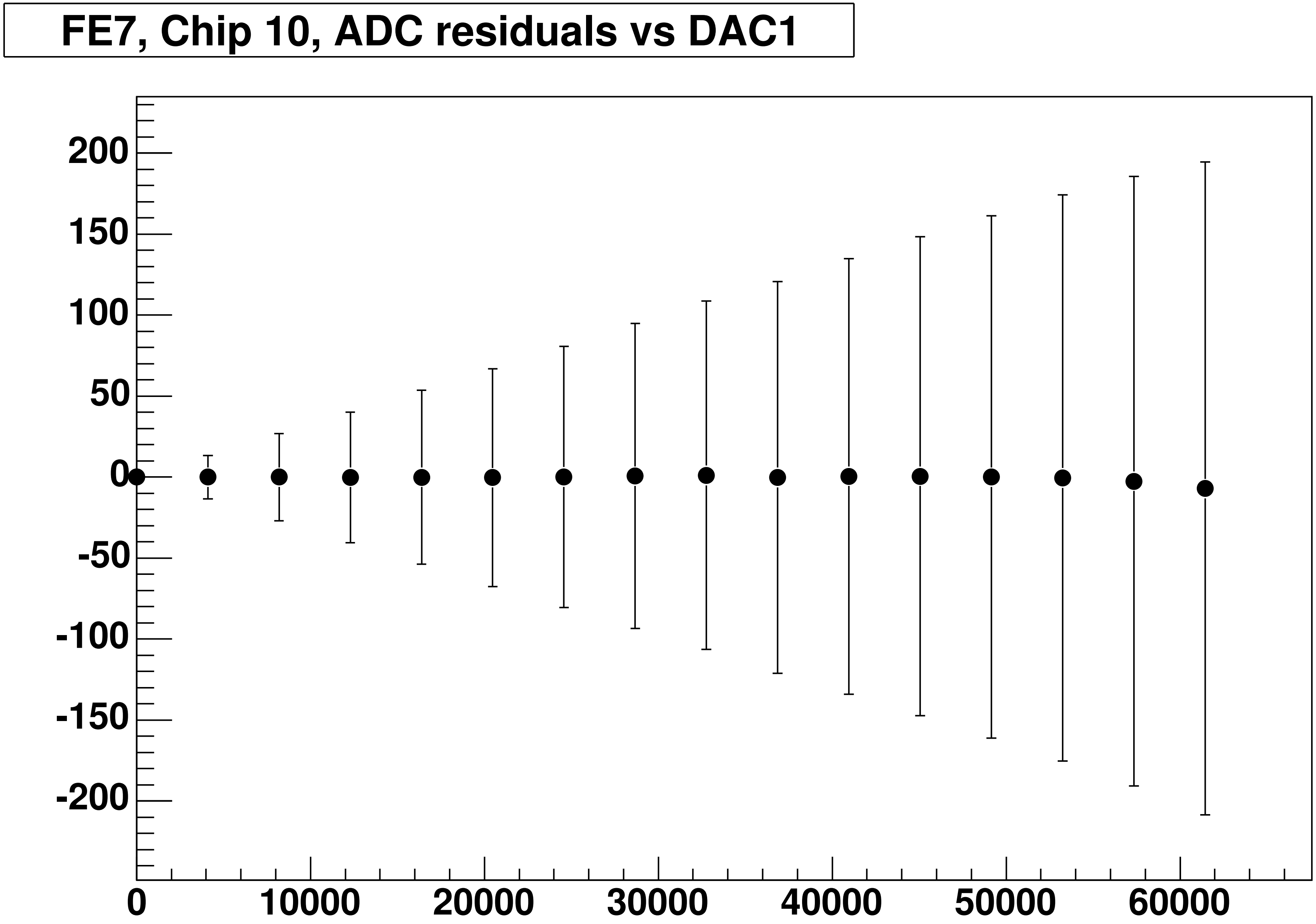

FE7, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

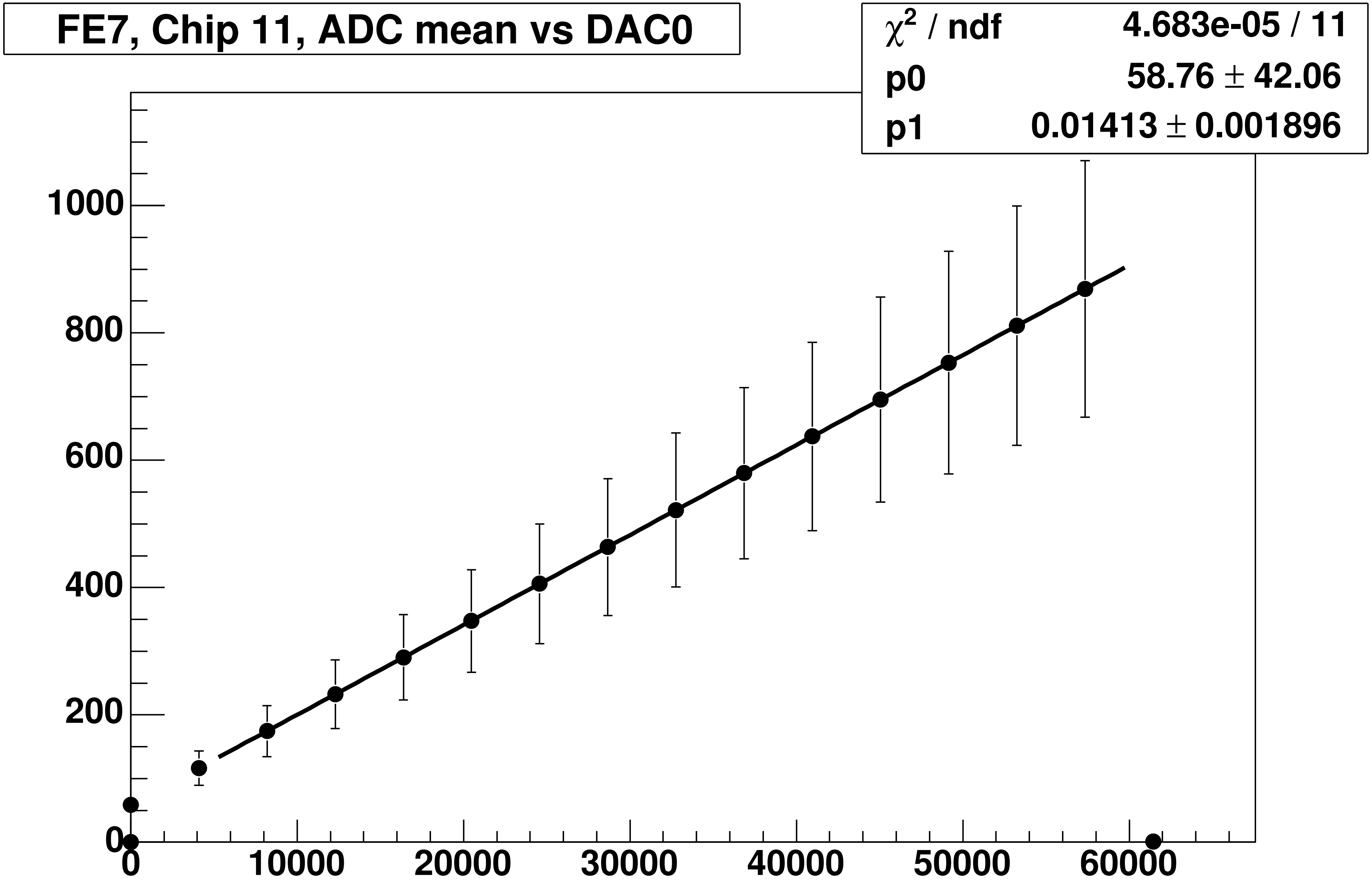

FE7, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



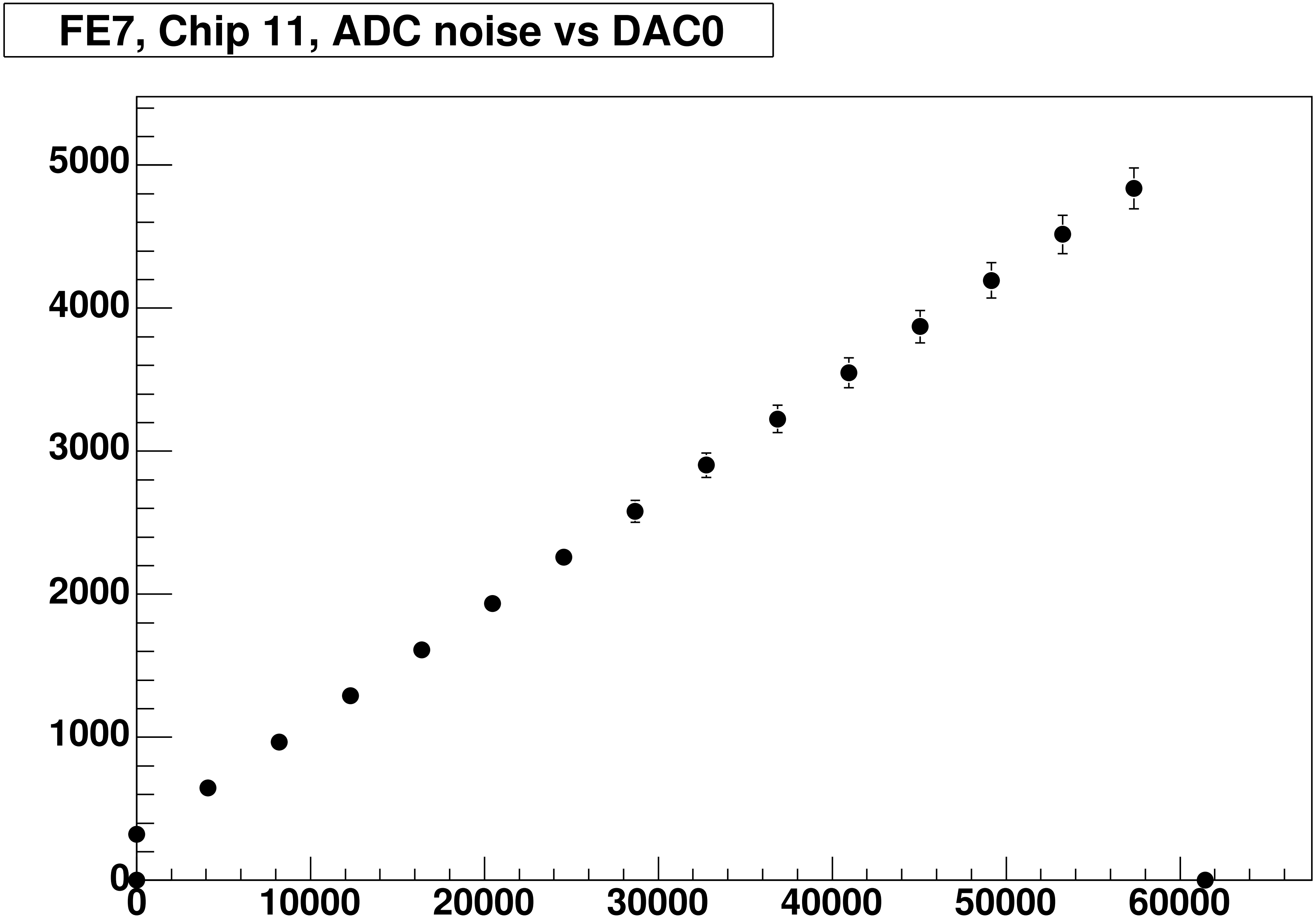
FE7, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0003994 / 11
p0 -3.355 ± 31.16
p1 0.4381 ± 0.001601
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

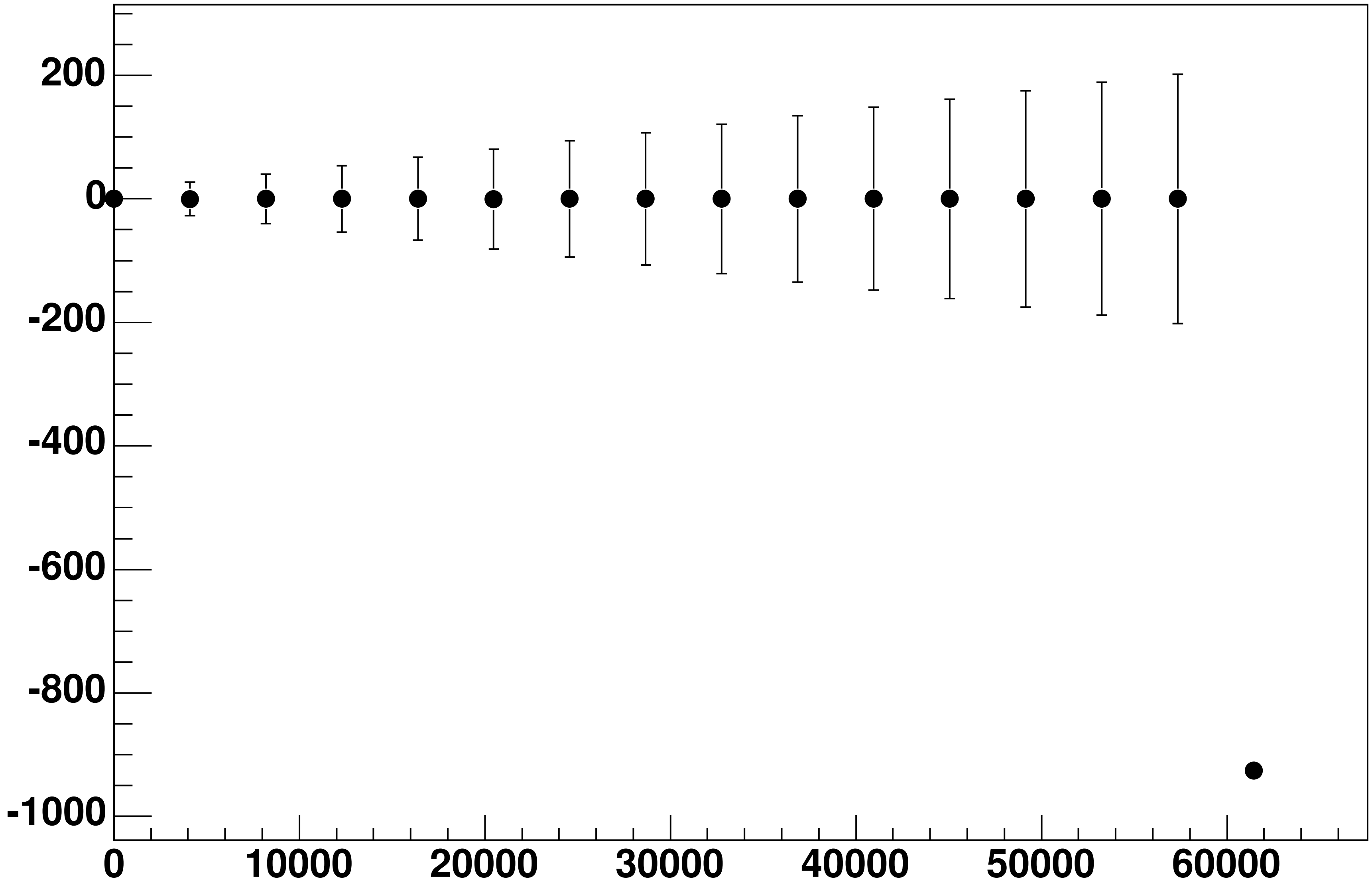


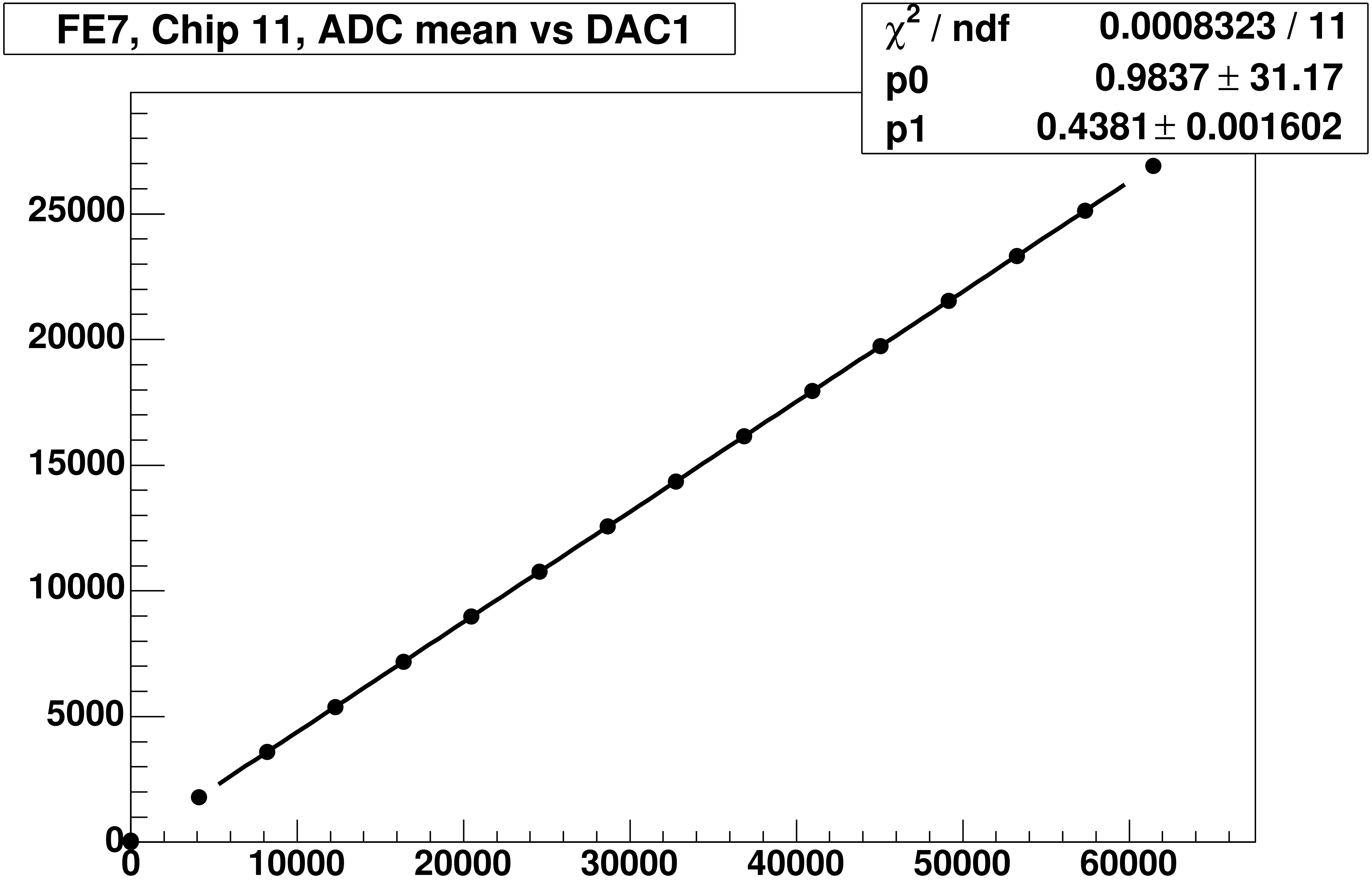
FE7, Chip 11, ADC mean vs DAC0
χ^2 / ndf 4.683e-05 / 11
p0 58.76 ± 42.06
p1 0.01413 ± 0.001896
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

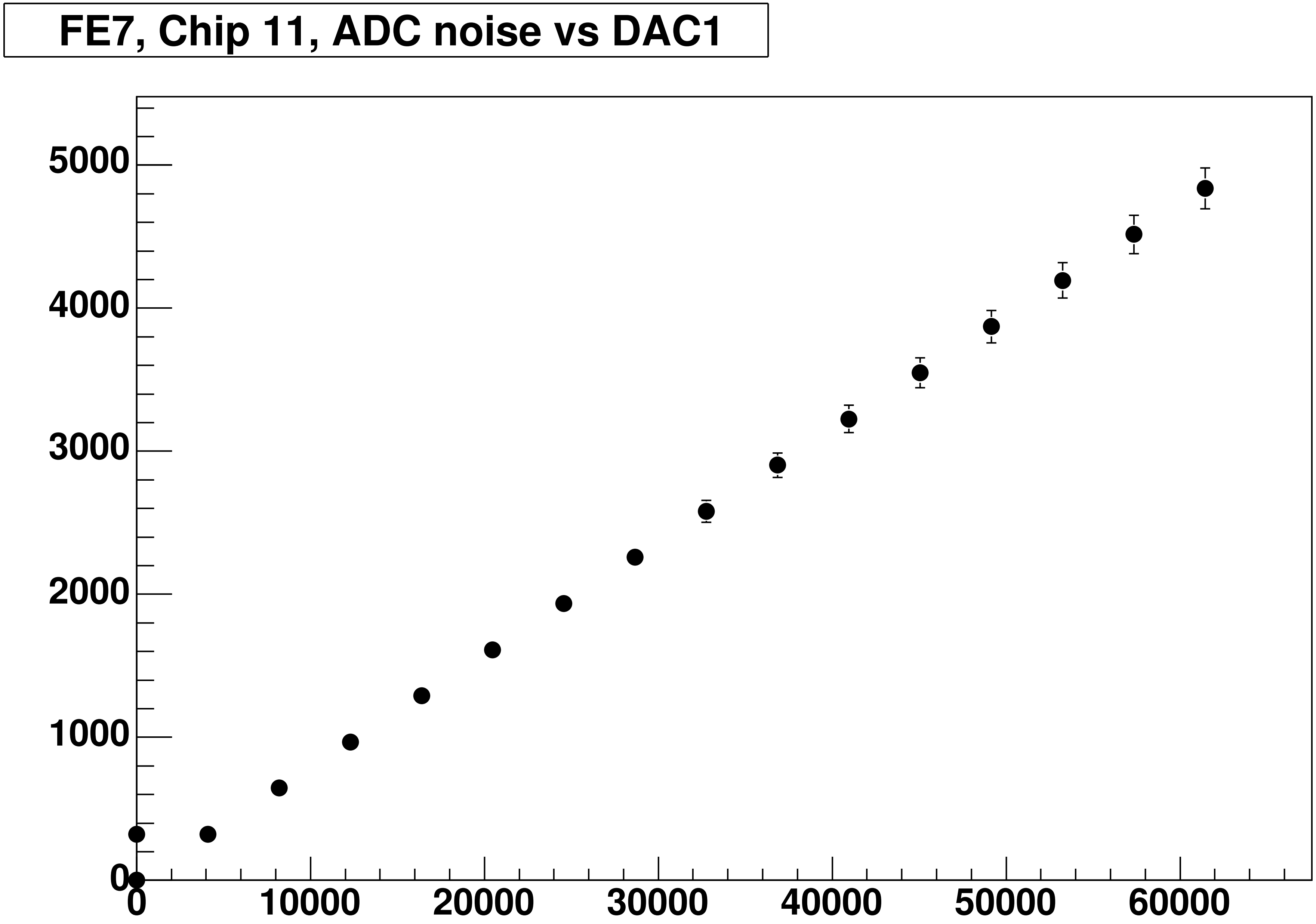


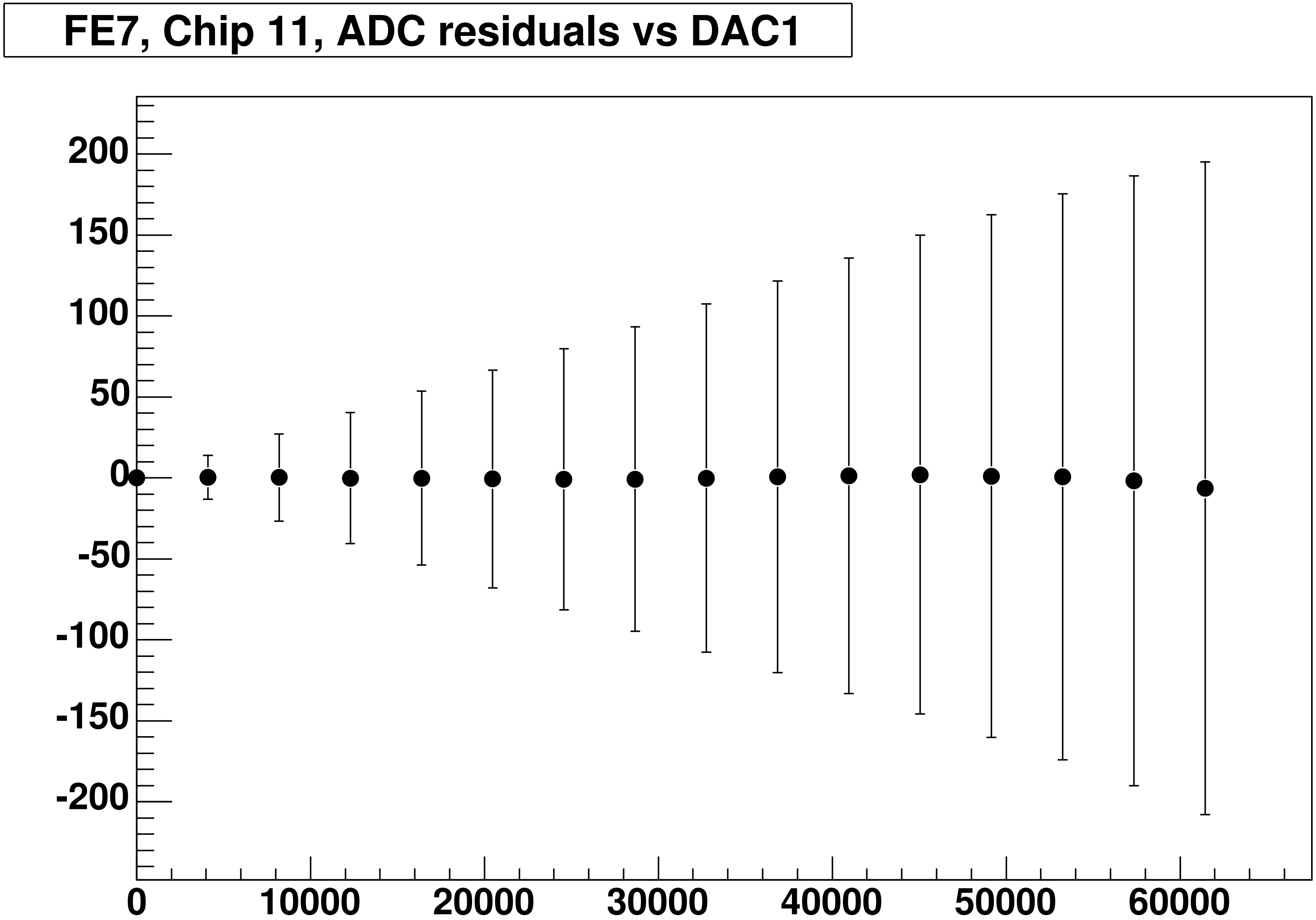
FE7, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

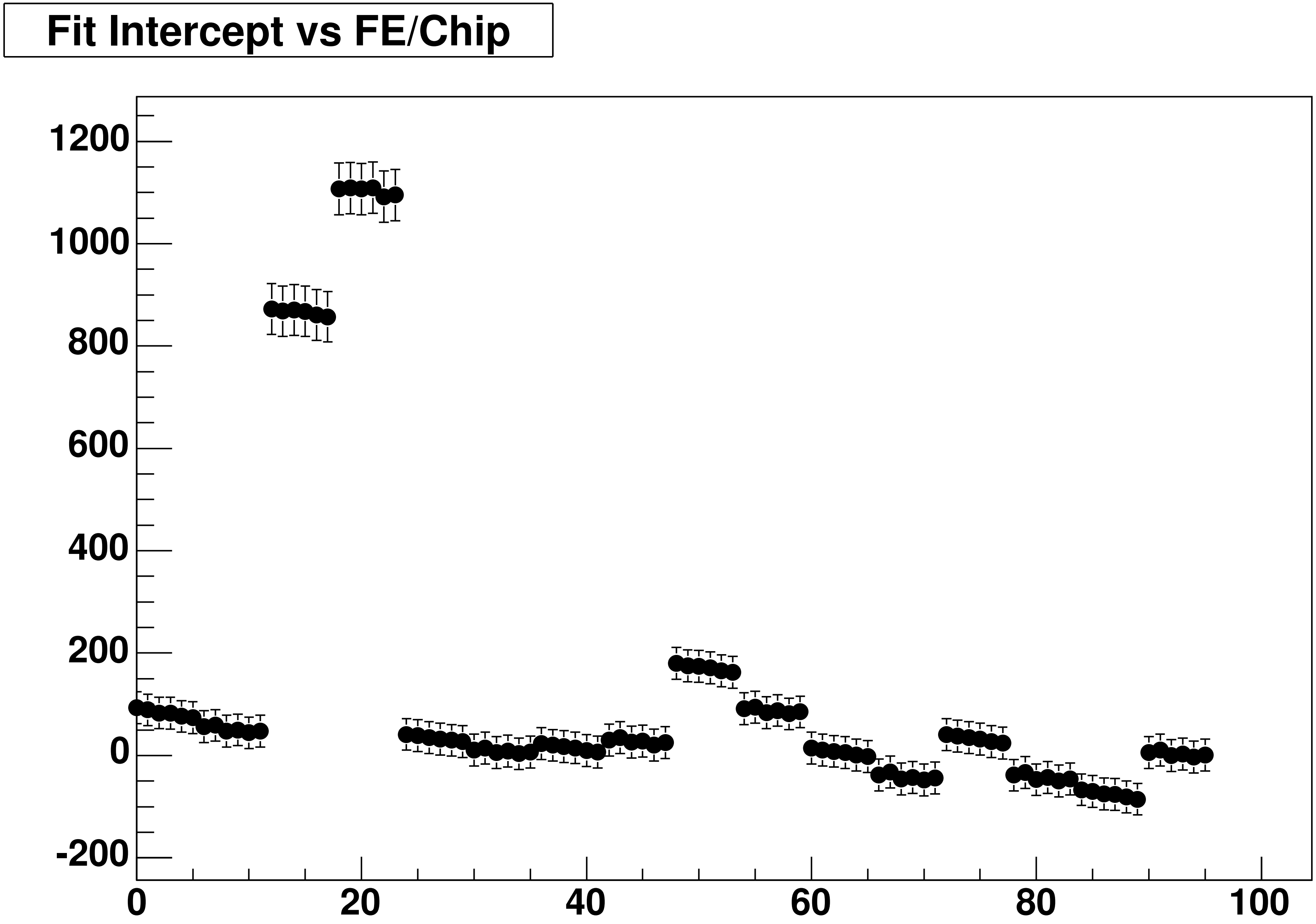
FE7, Chip 11, ADC residuals vs DAC0



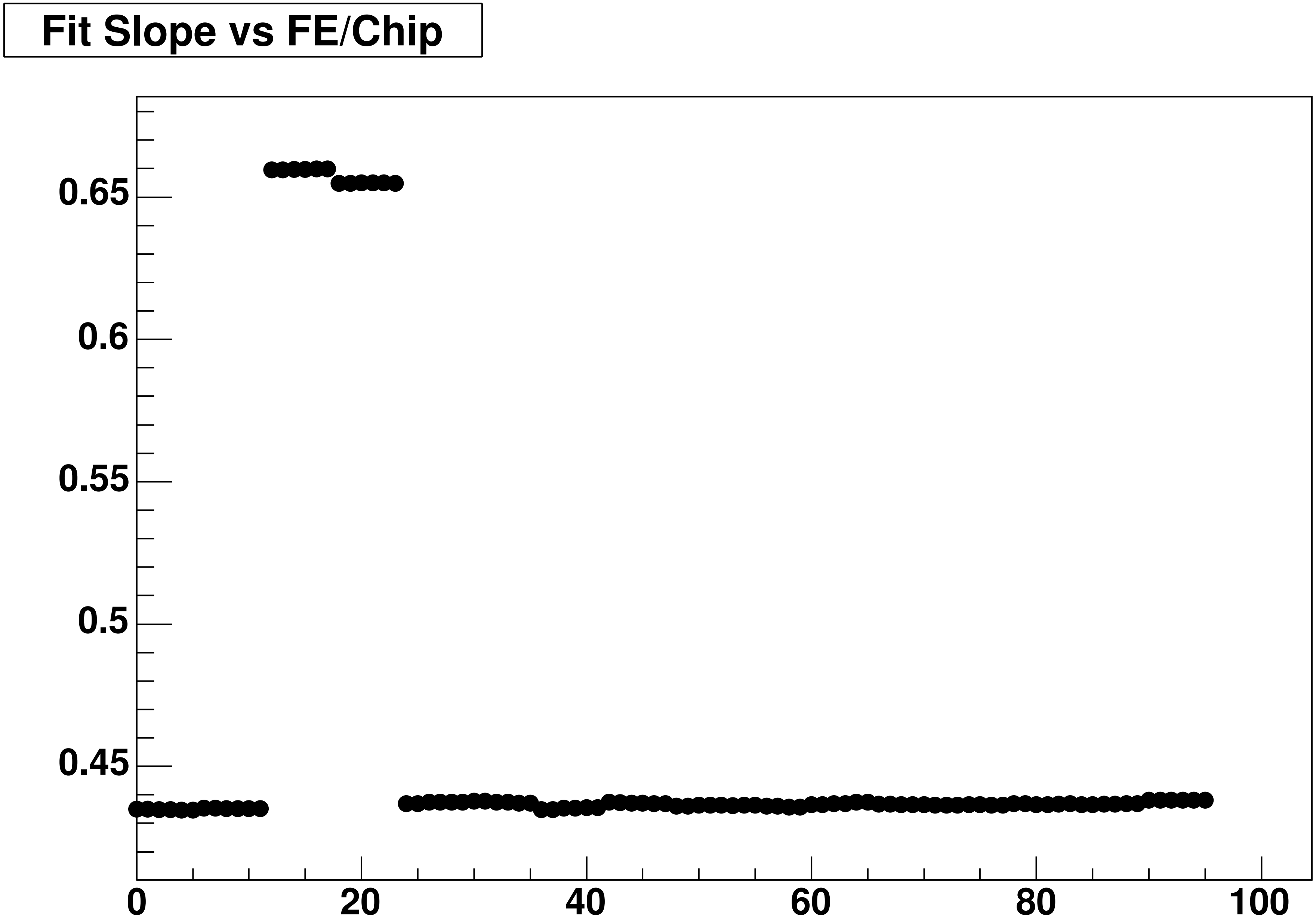

FE7, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0008323 / 11
p0 0.9837 ± 31.17
p1 0.4381 ± 0.001602
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
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
1200
1000
800
600
400
200
0
-200
0
20
40
60
80
100


Fit Slope vs FE/Chip
0.65
0.6
0.55
0.5
0.45
0
20
40
60
80
100