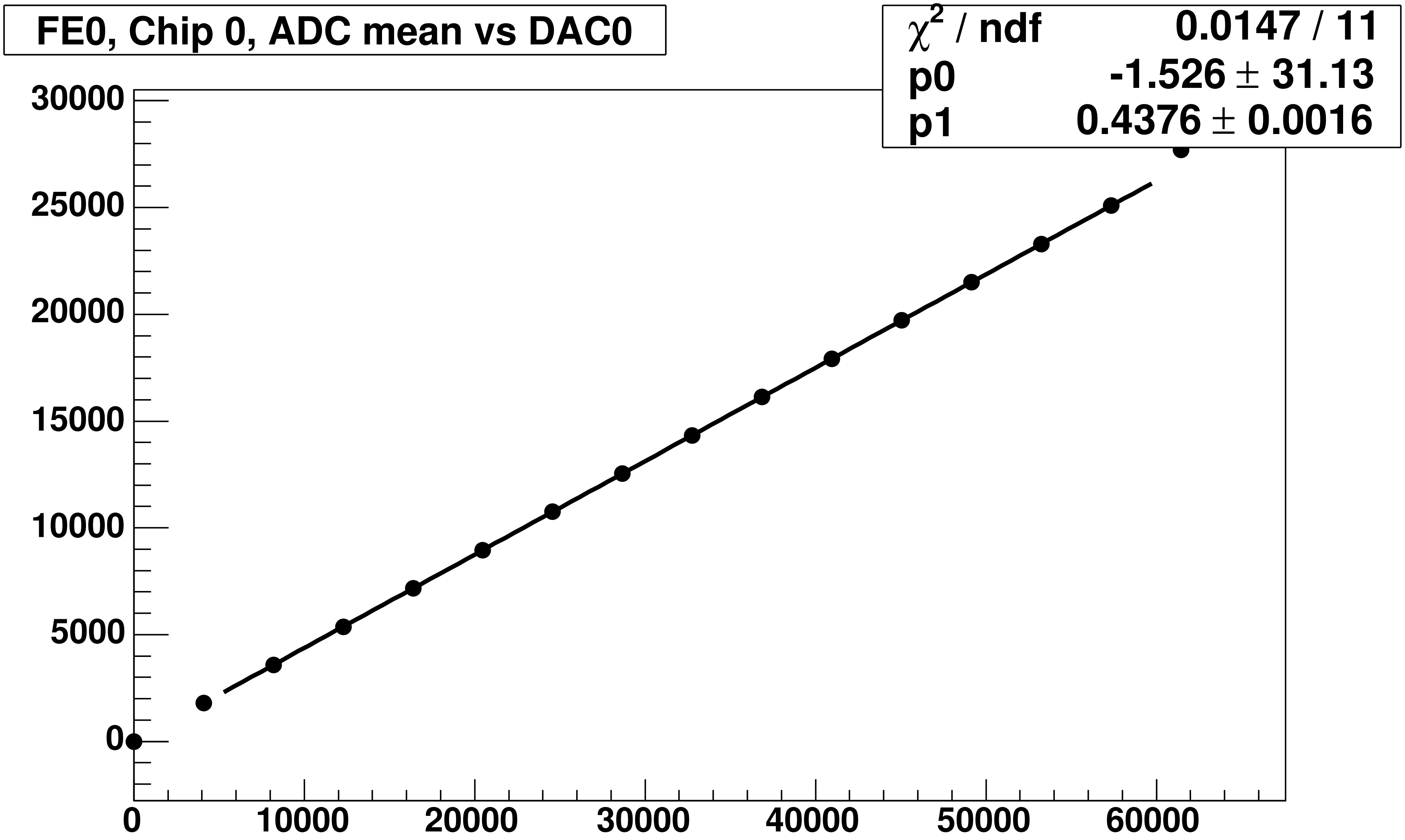
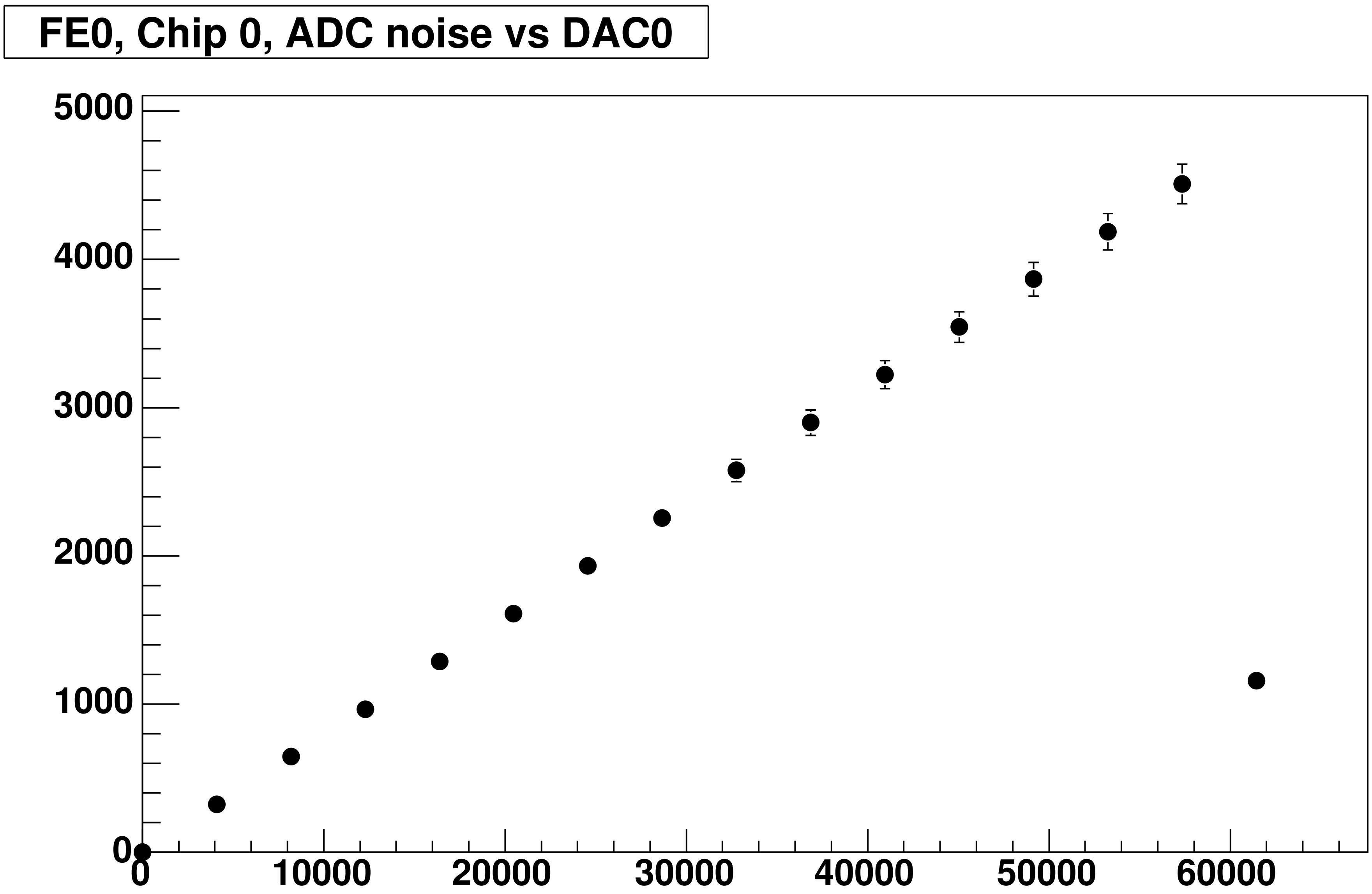
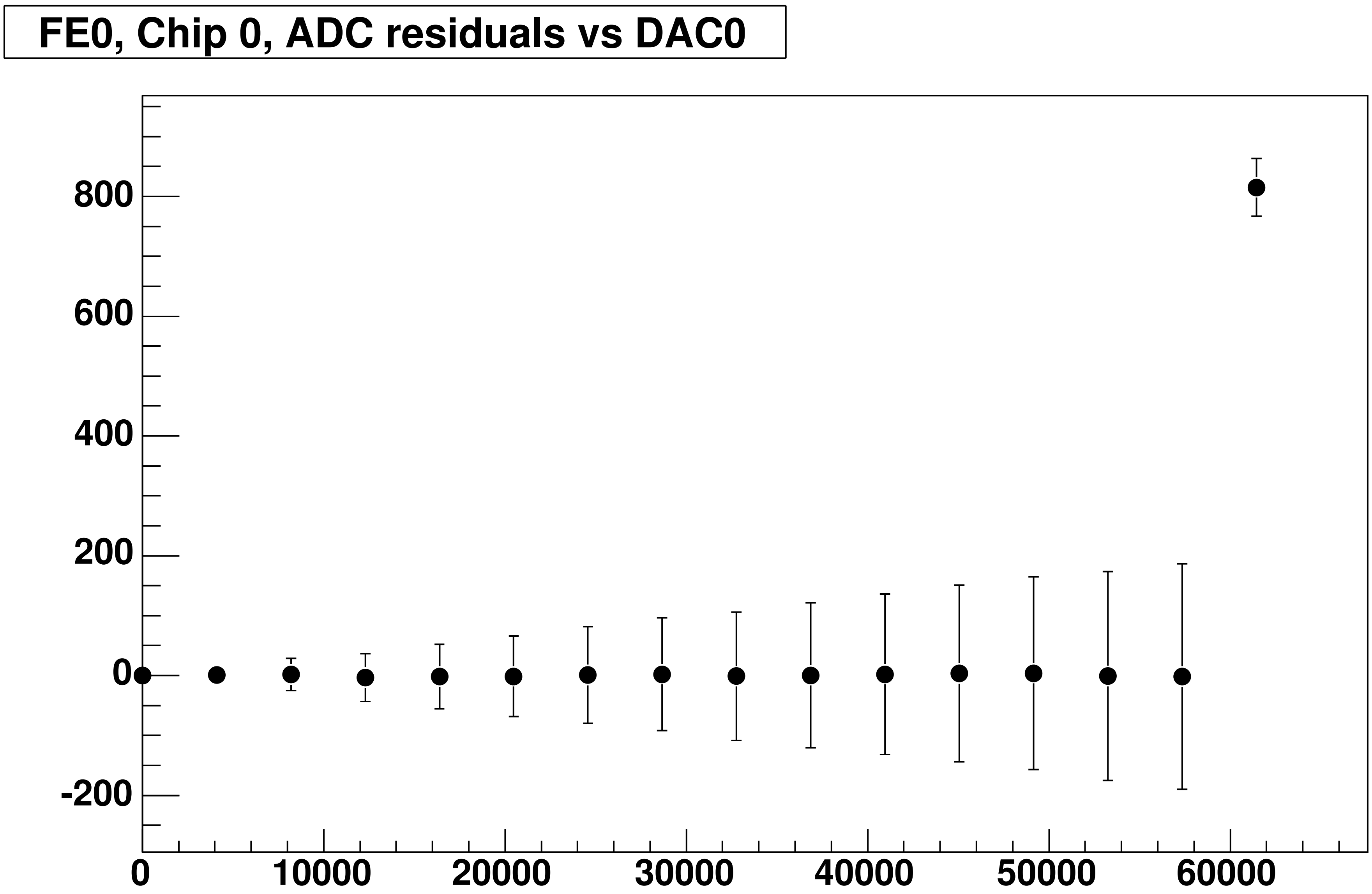
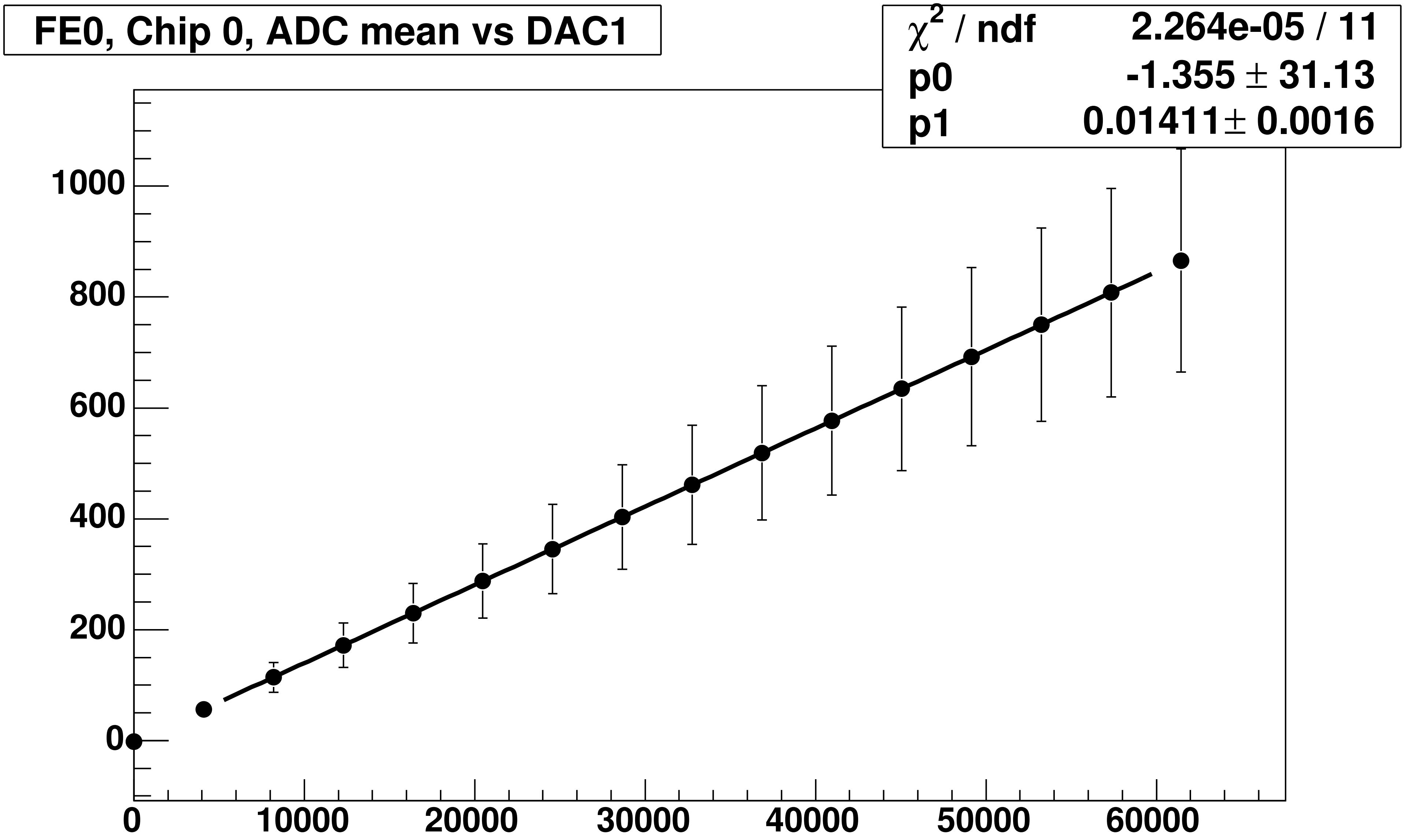
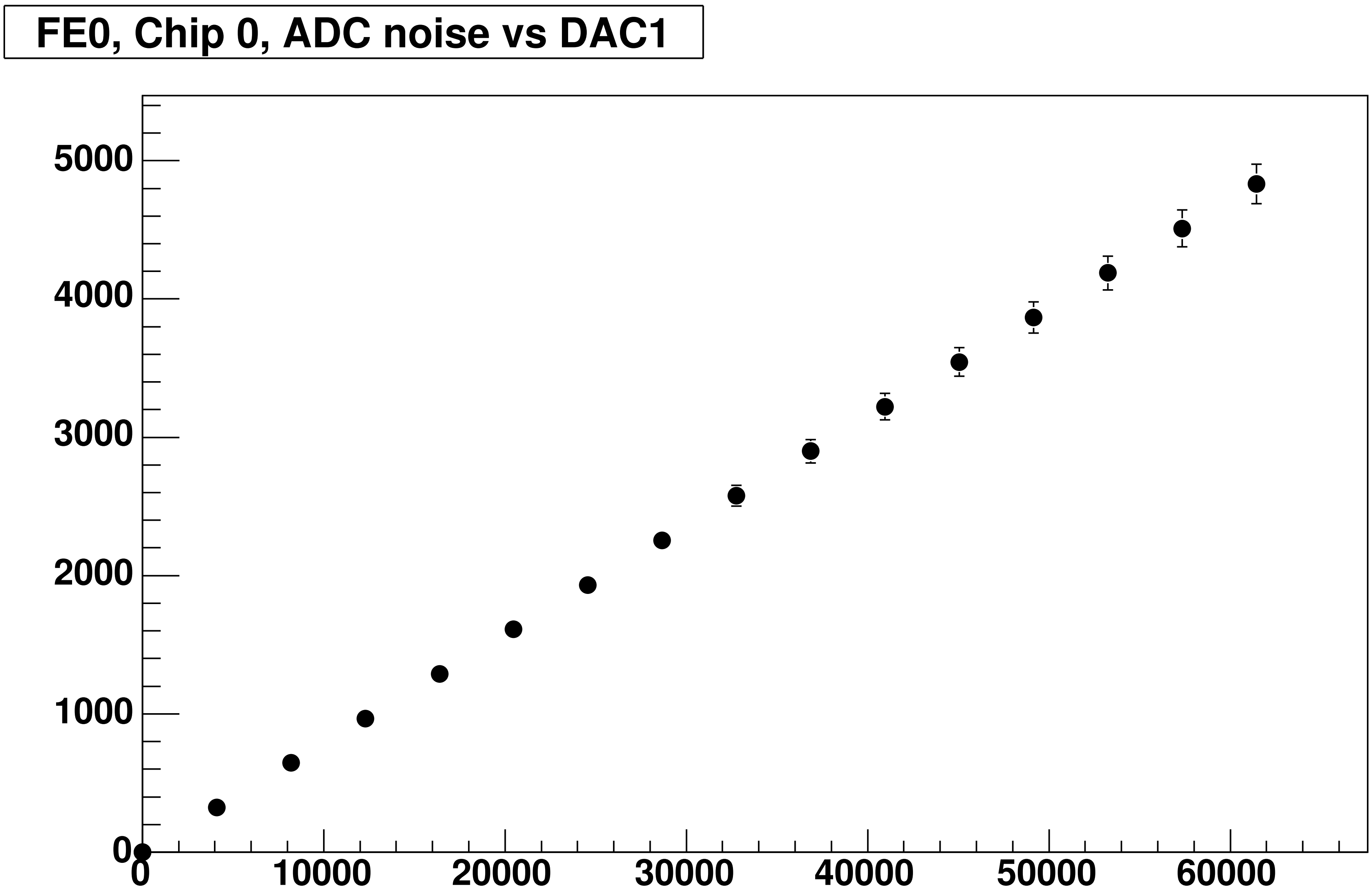

FE0, Chip 0, ADC mean vs DAC0
$\chi^2$ / ndf 0.0147 / 11
p0 -1.526 ± 31.13
p1 0.4376 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

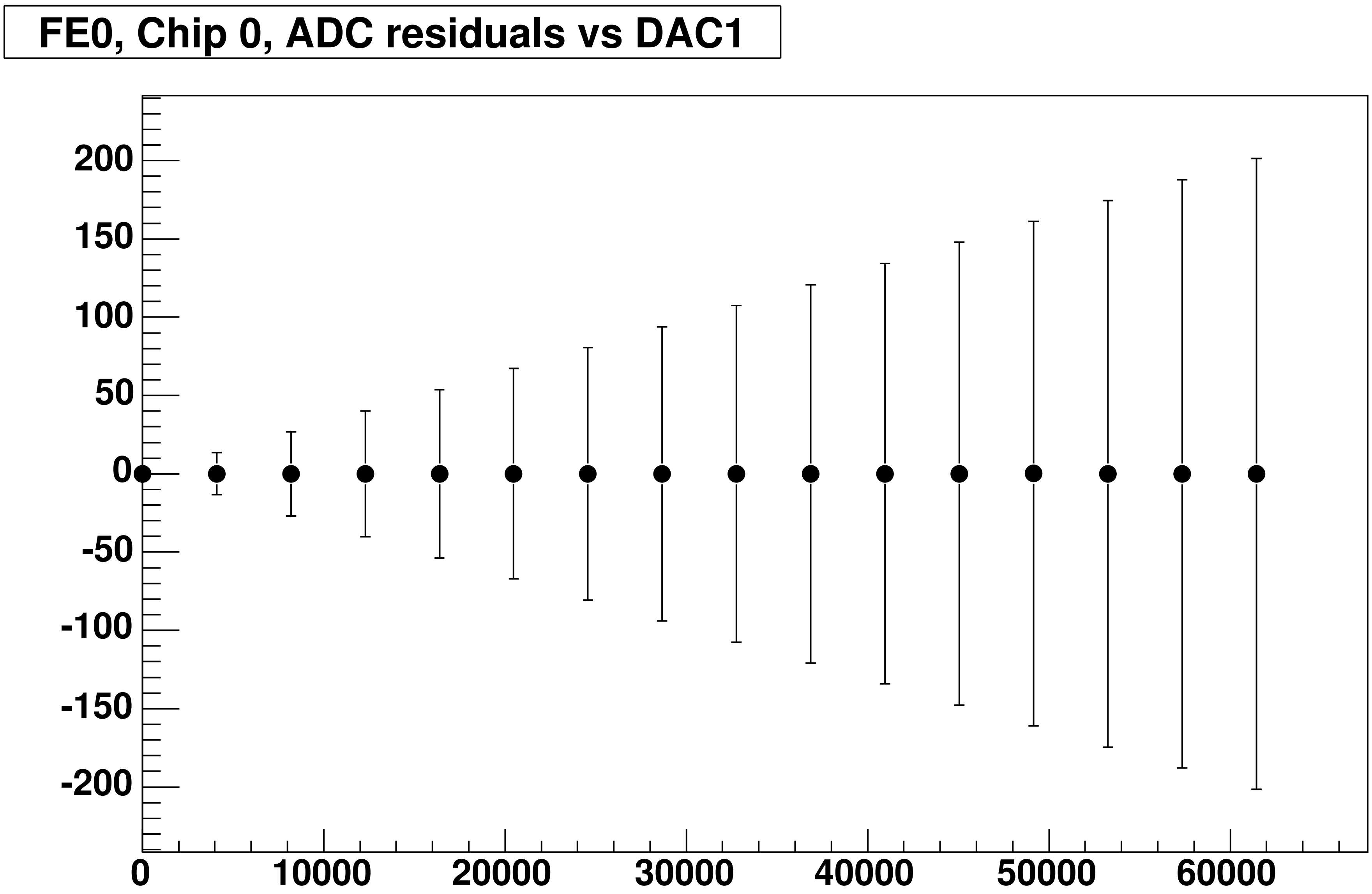

FE0, Chip 0, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

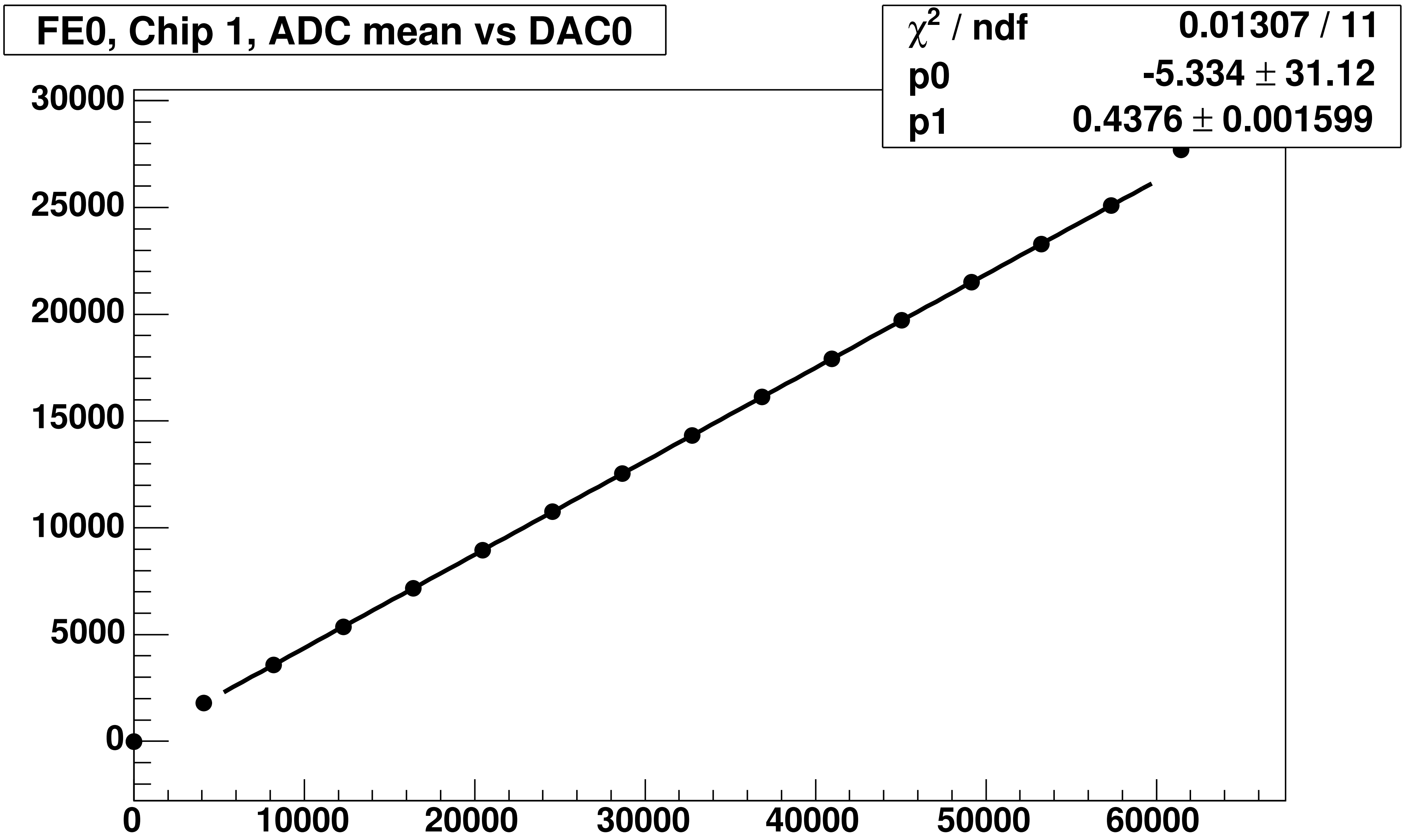

FE0, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

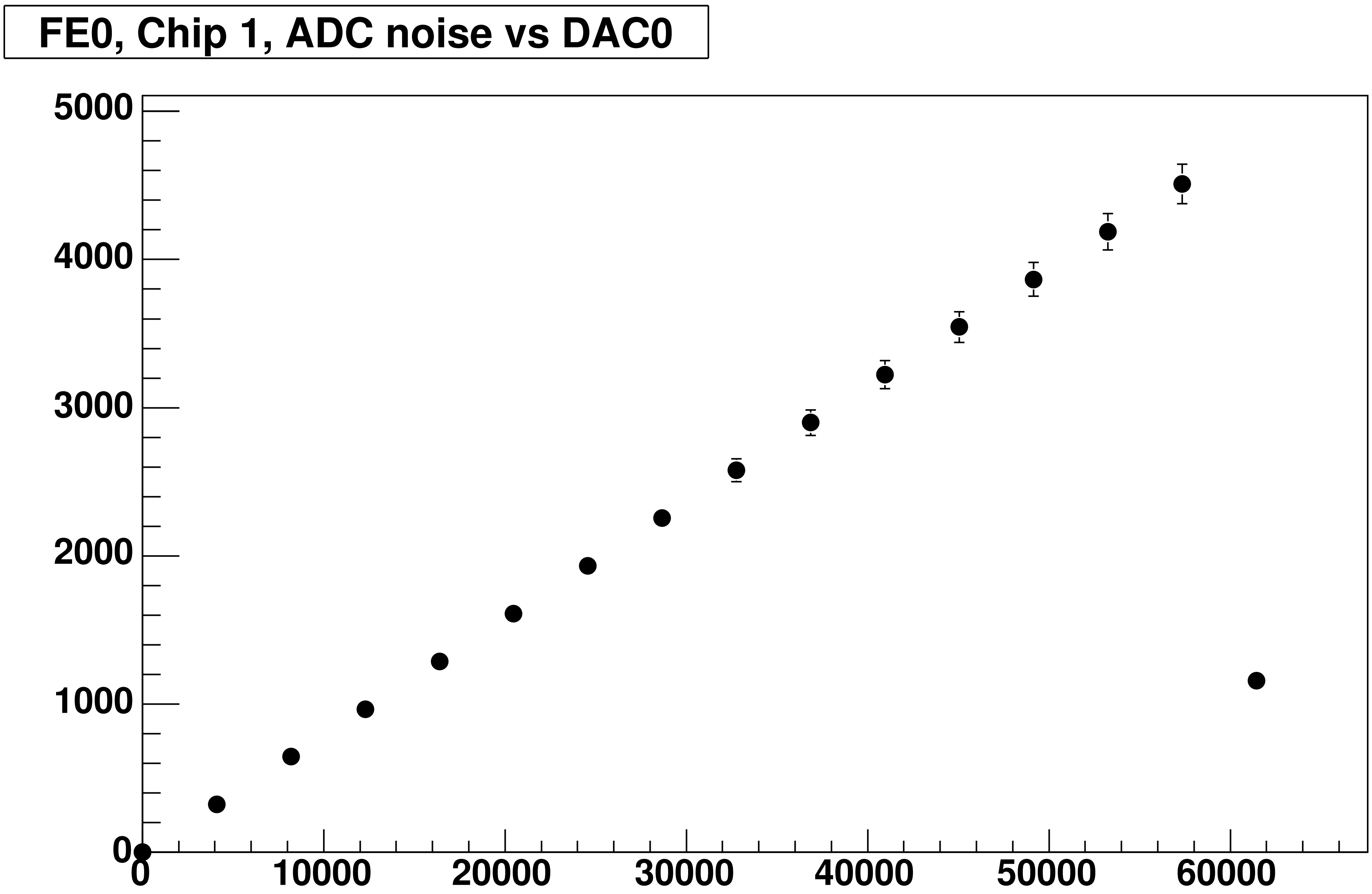

FE0, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 2.264e-05 / 11
p0 -1.355 ± 31.13
p1 0.01411± 0.0016
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

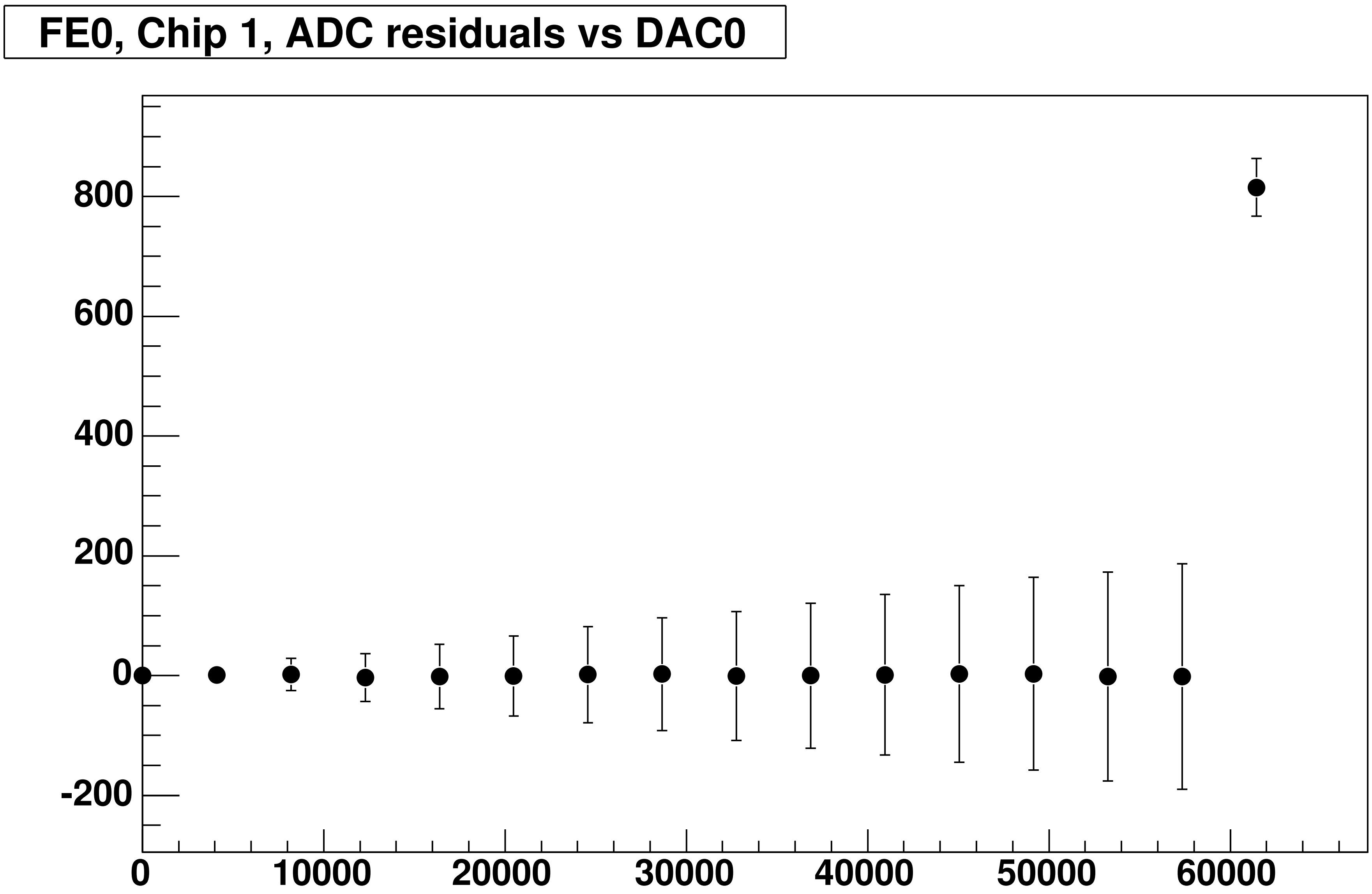


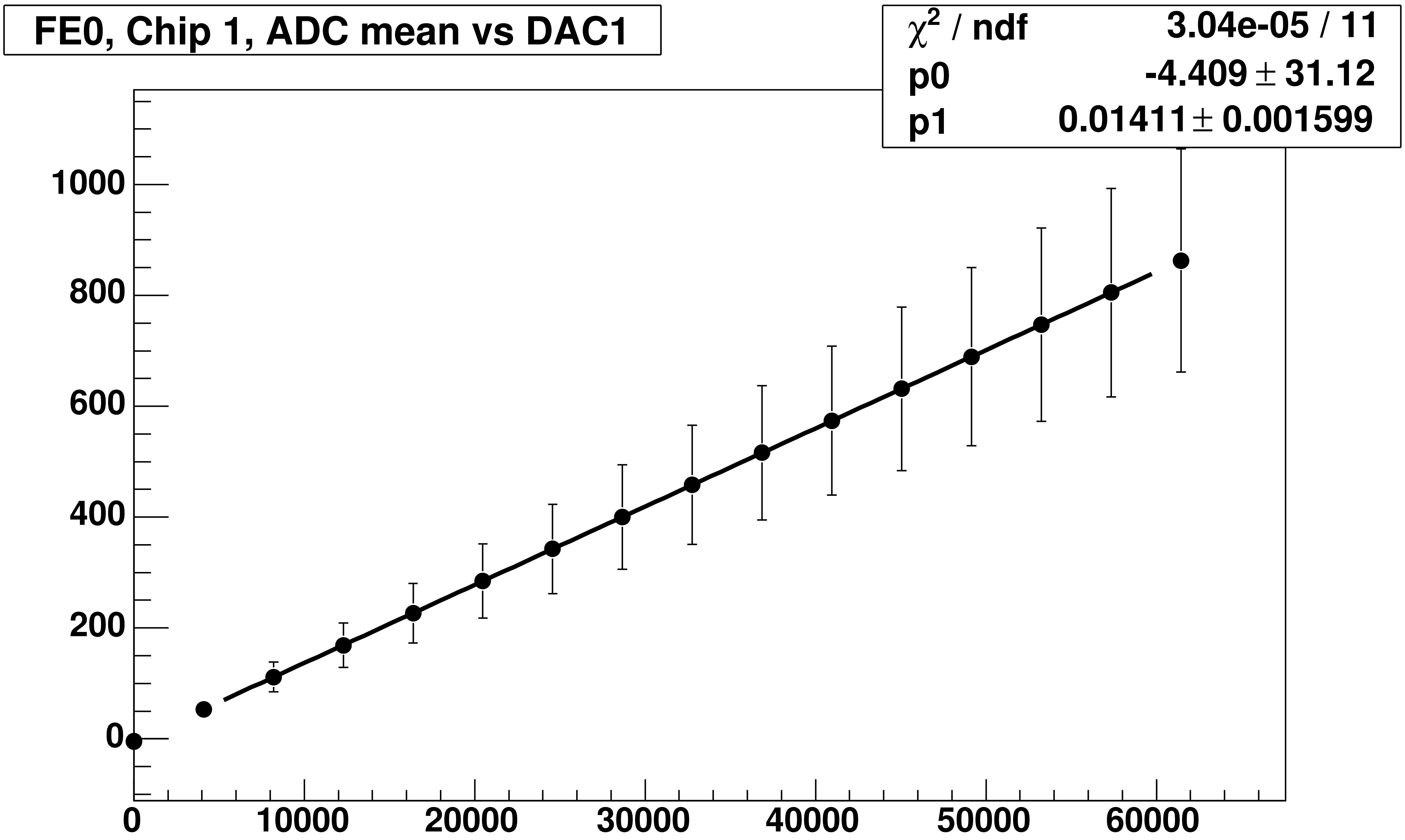
FE0, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

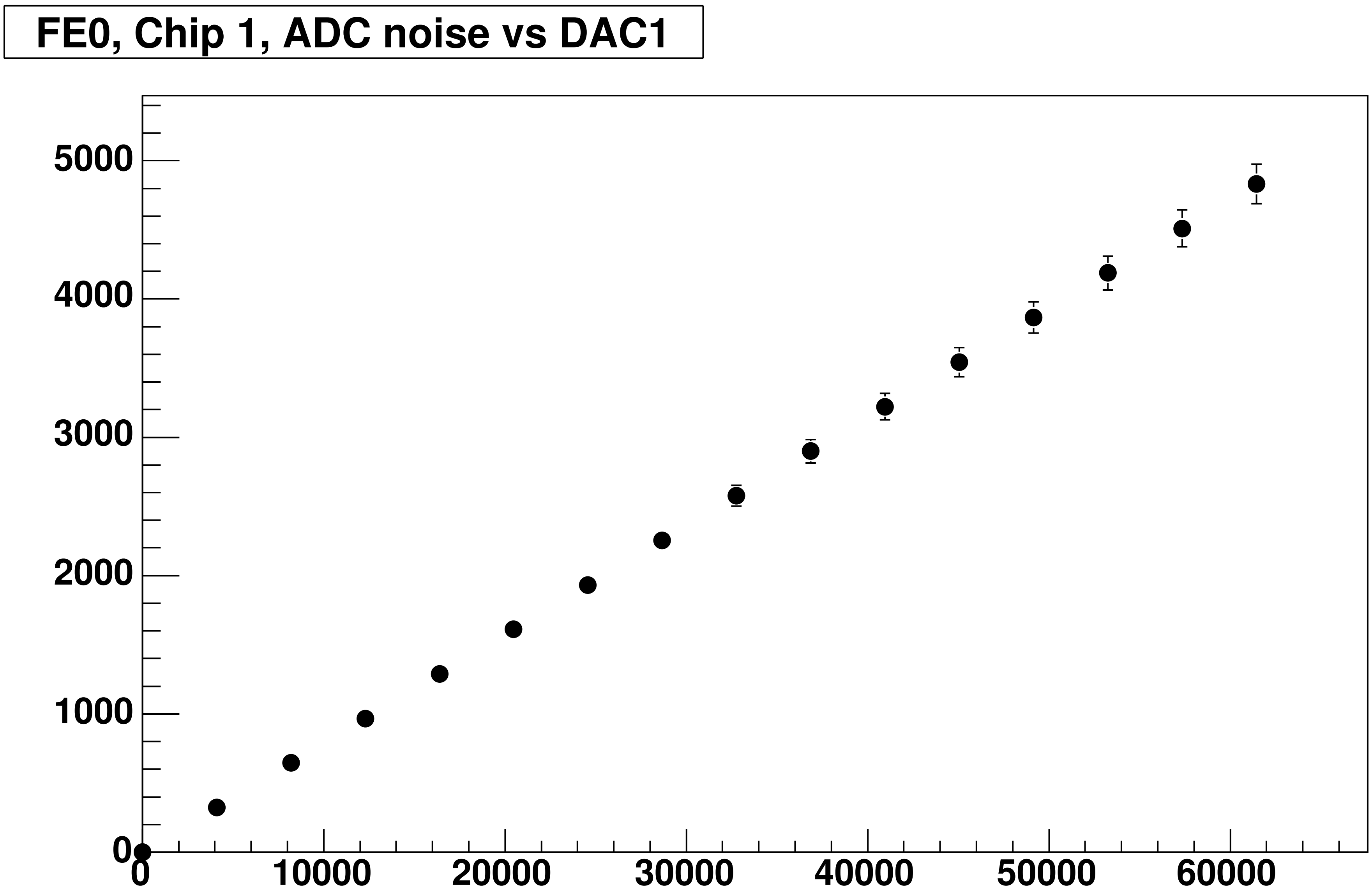

FE0, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

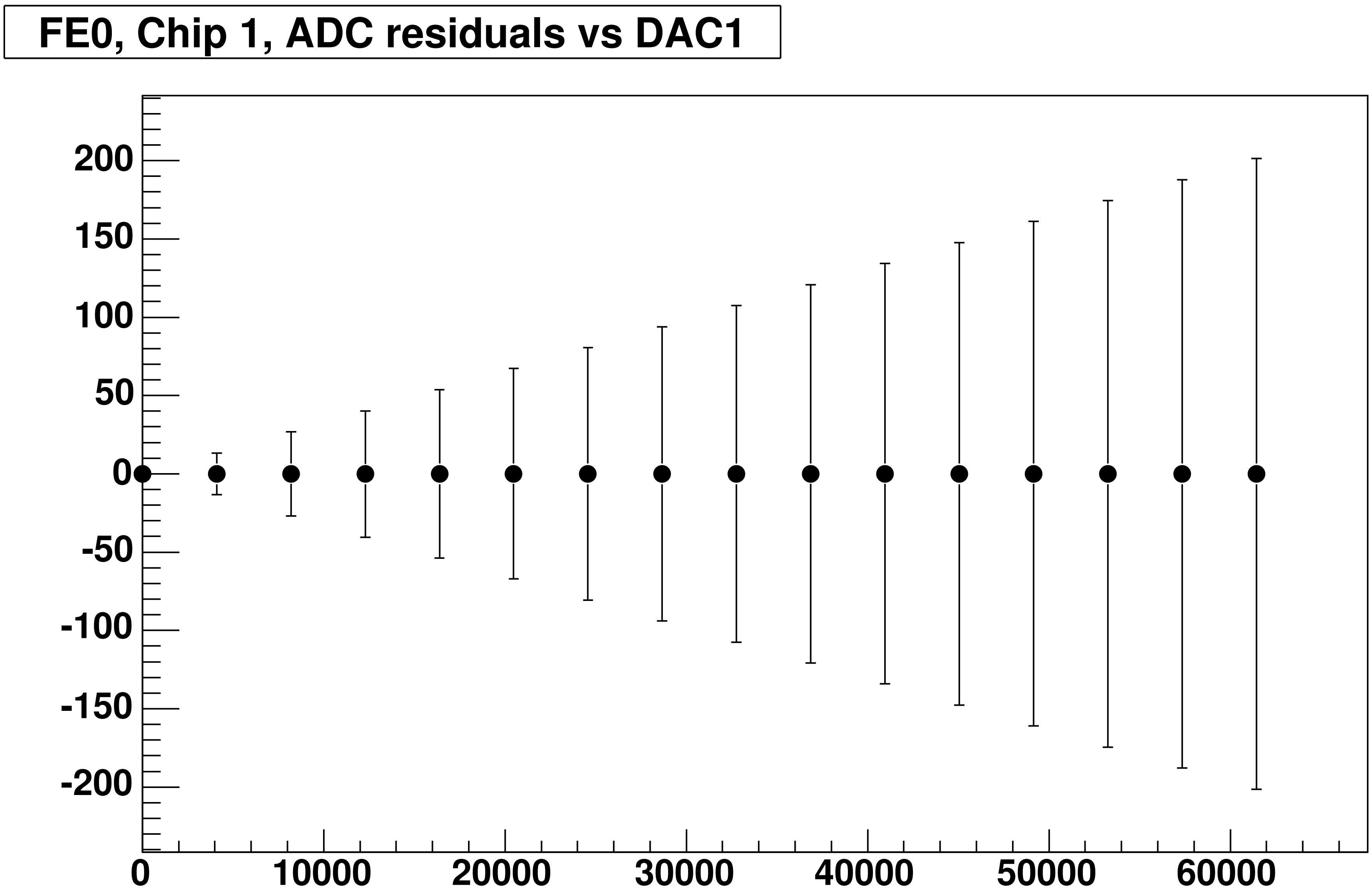

FE0, Chip 1, ADC mean vs DAC0
$\chi^2$ / ndf 0.01307 / 11
p0 -5.334 ± 31.12
p1 0.4376 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

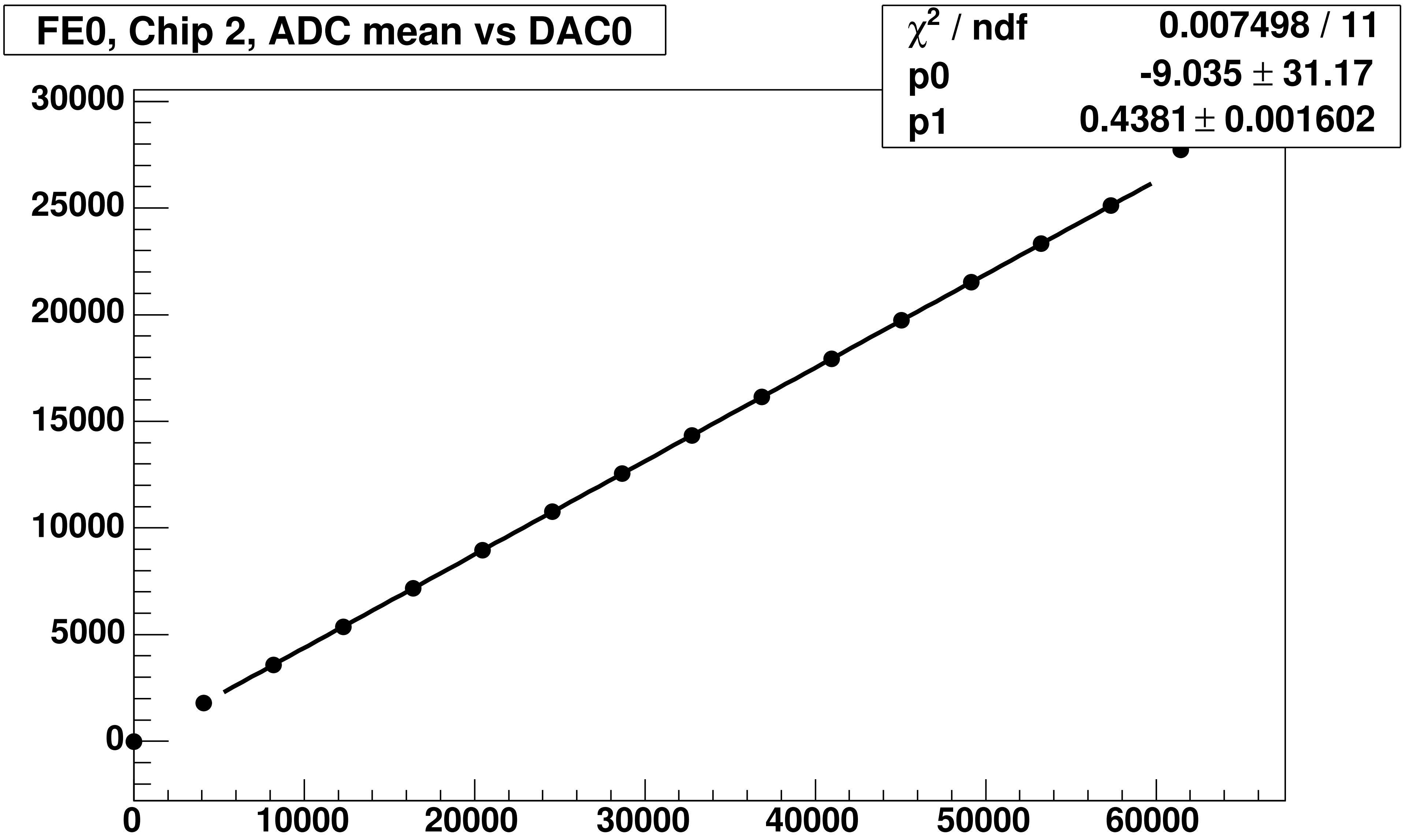

FE0, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

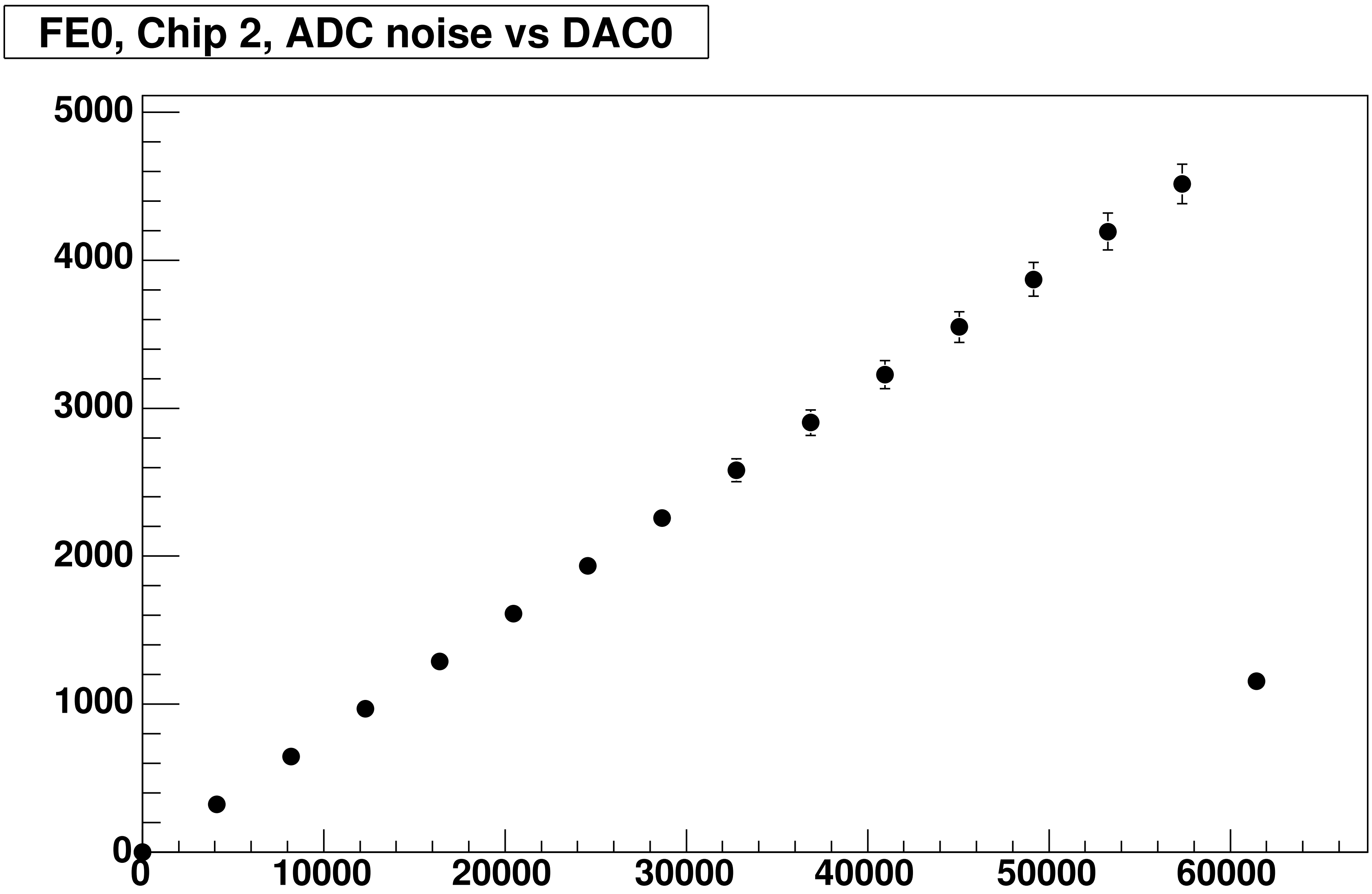

FE0, Chip 1, ADC mean vs DAC1
χ2 / ndf 3.04e-05 / 11
p0 -4.409 ± 31.12
p1 0.01411 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

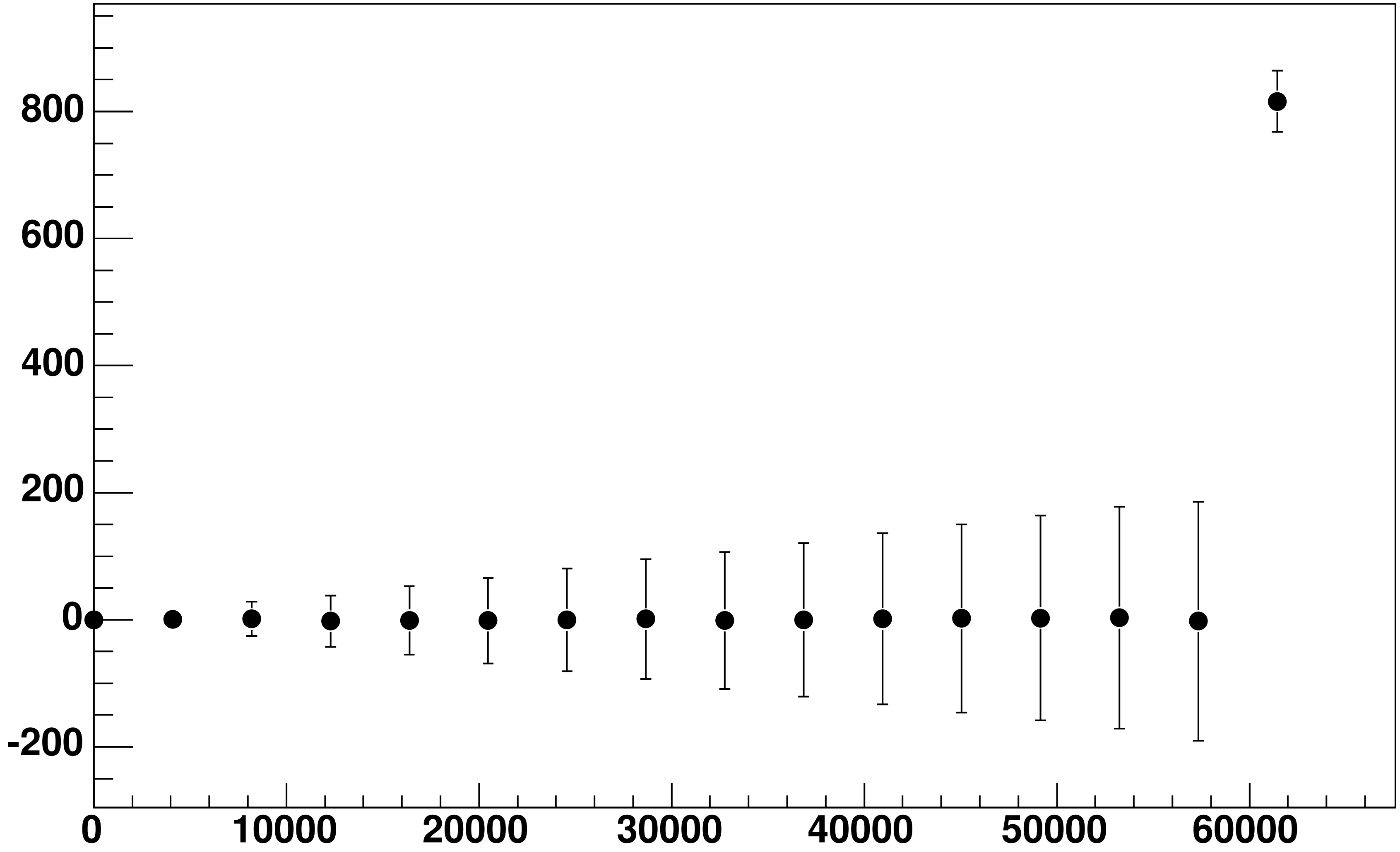


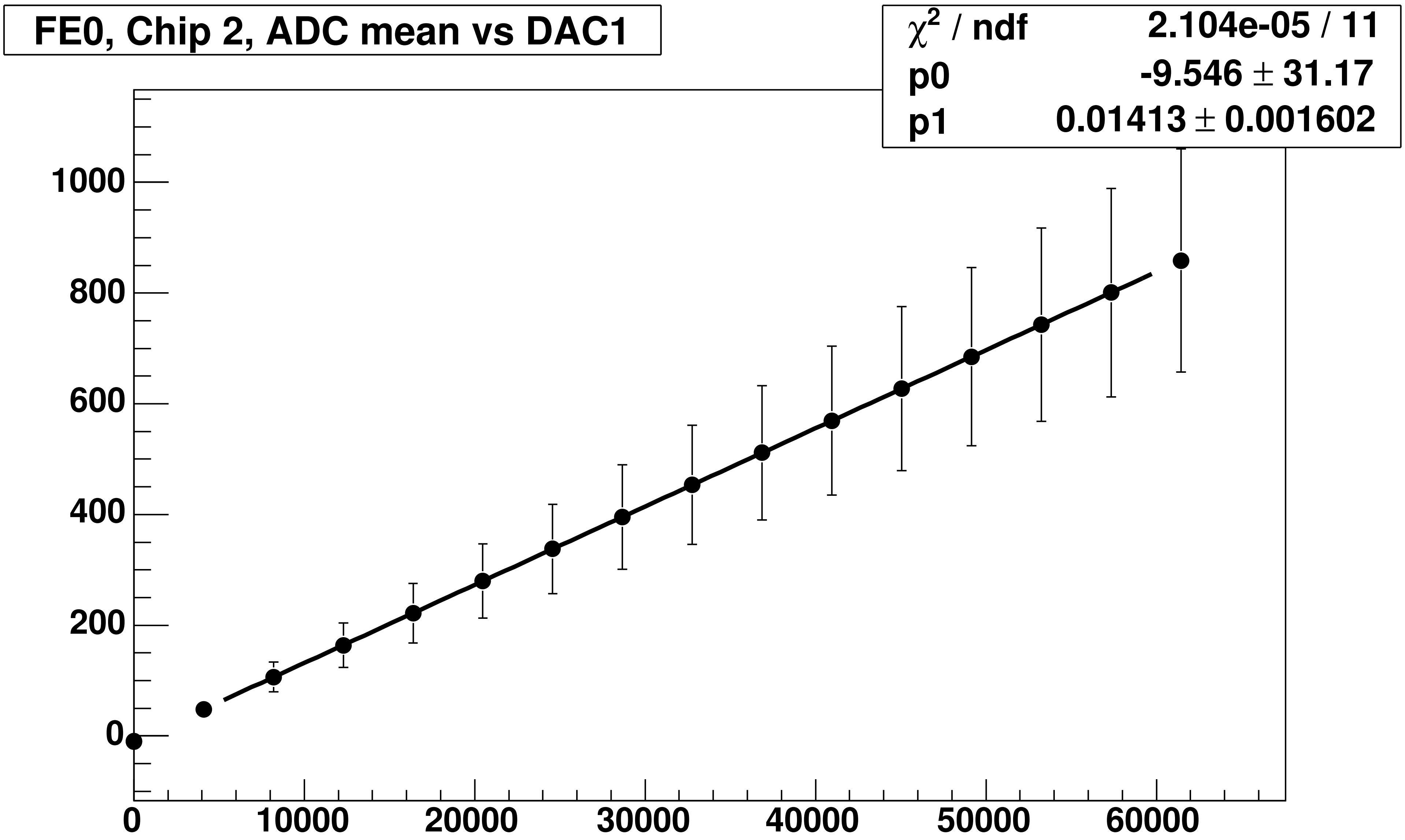
FE0, Chip 2, ADC mean vs DAC0
$\chi^2$ / ndf 0.007498 / 11
p0 -9.035 ± 31.17
p1 0.4381 ± 0.001602
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



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

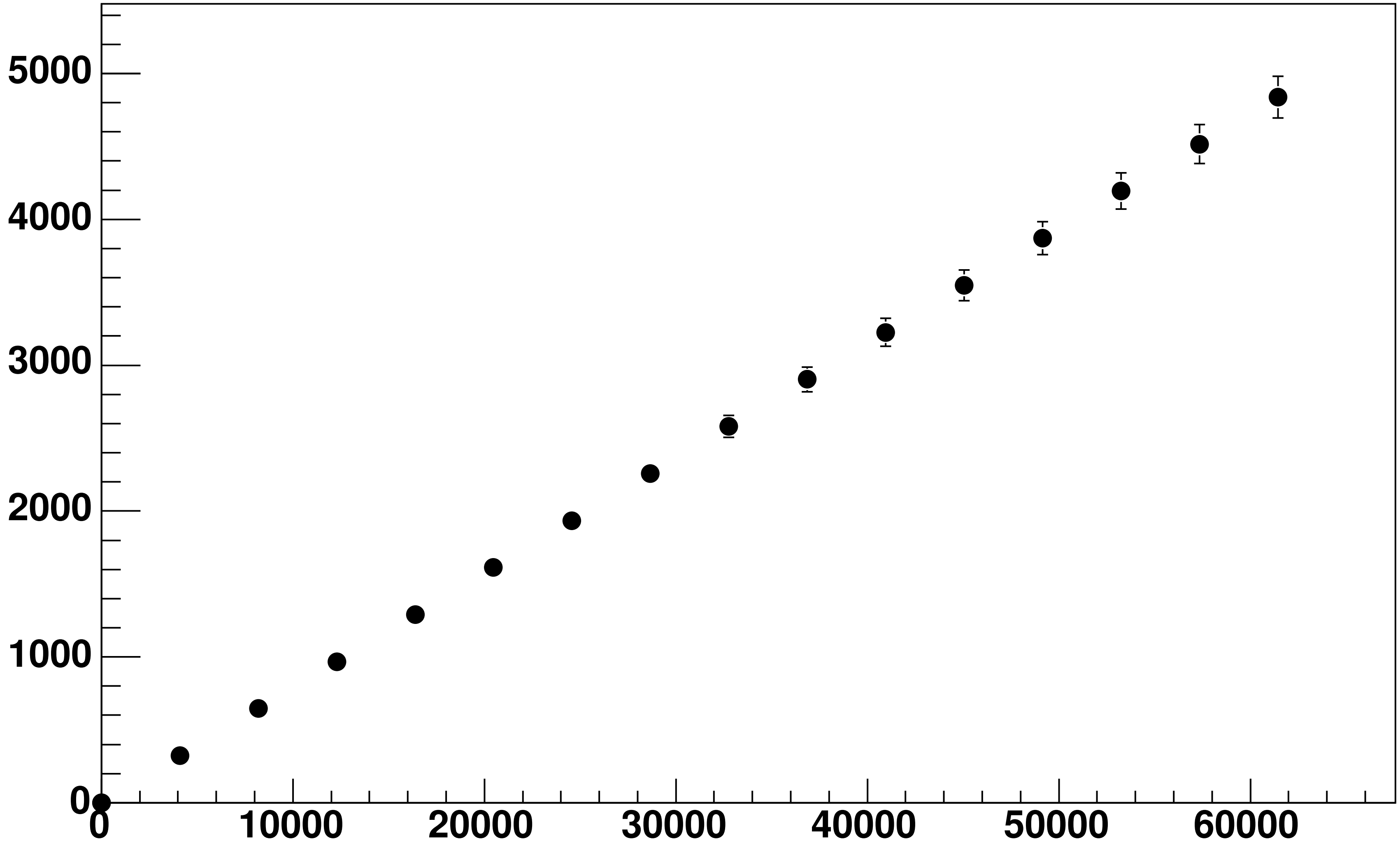
FE0, Chip 2, ADC residuals vs DAC0

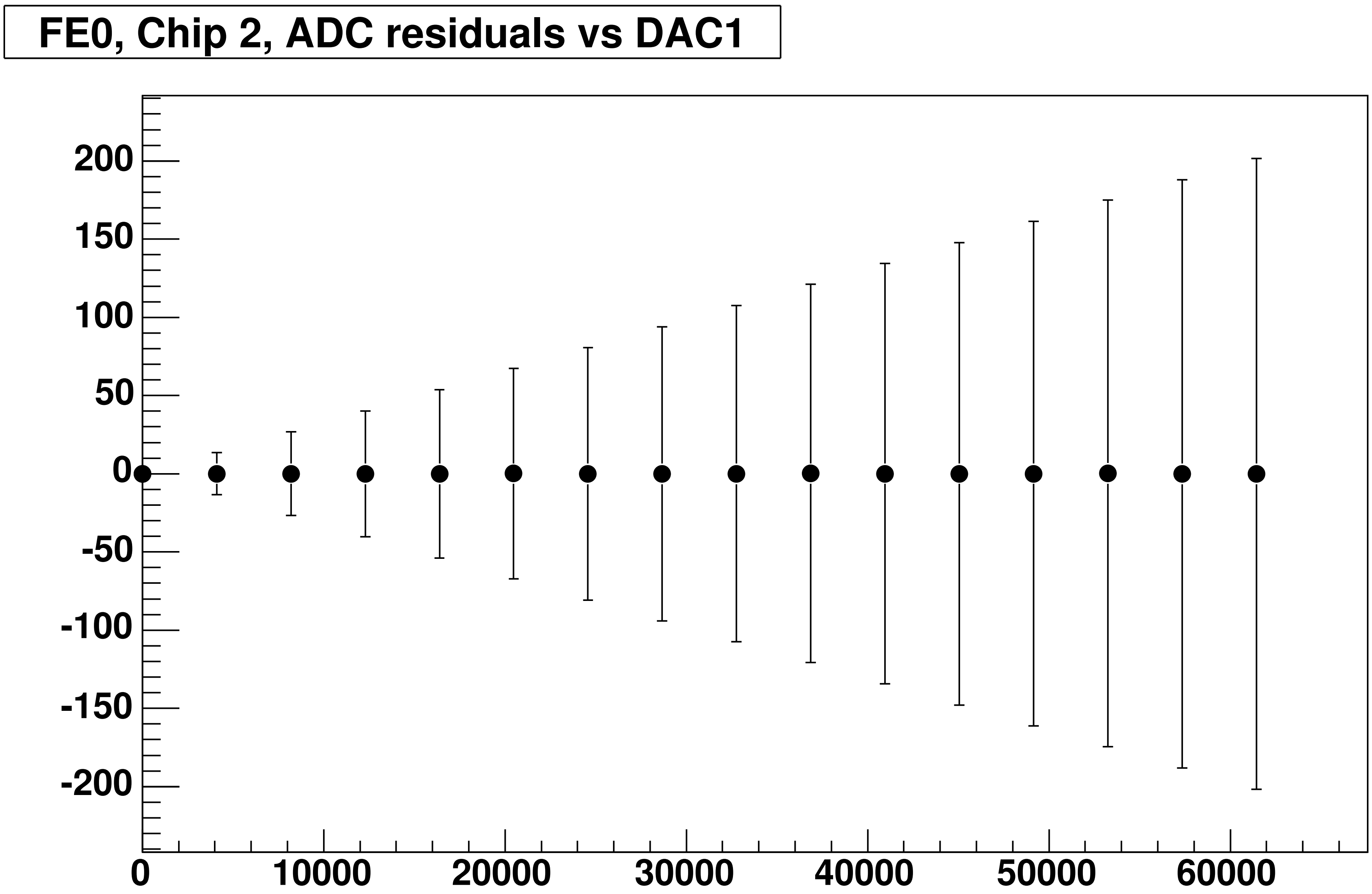


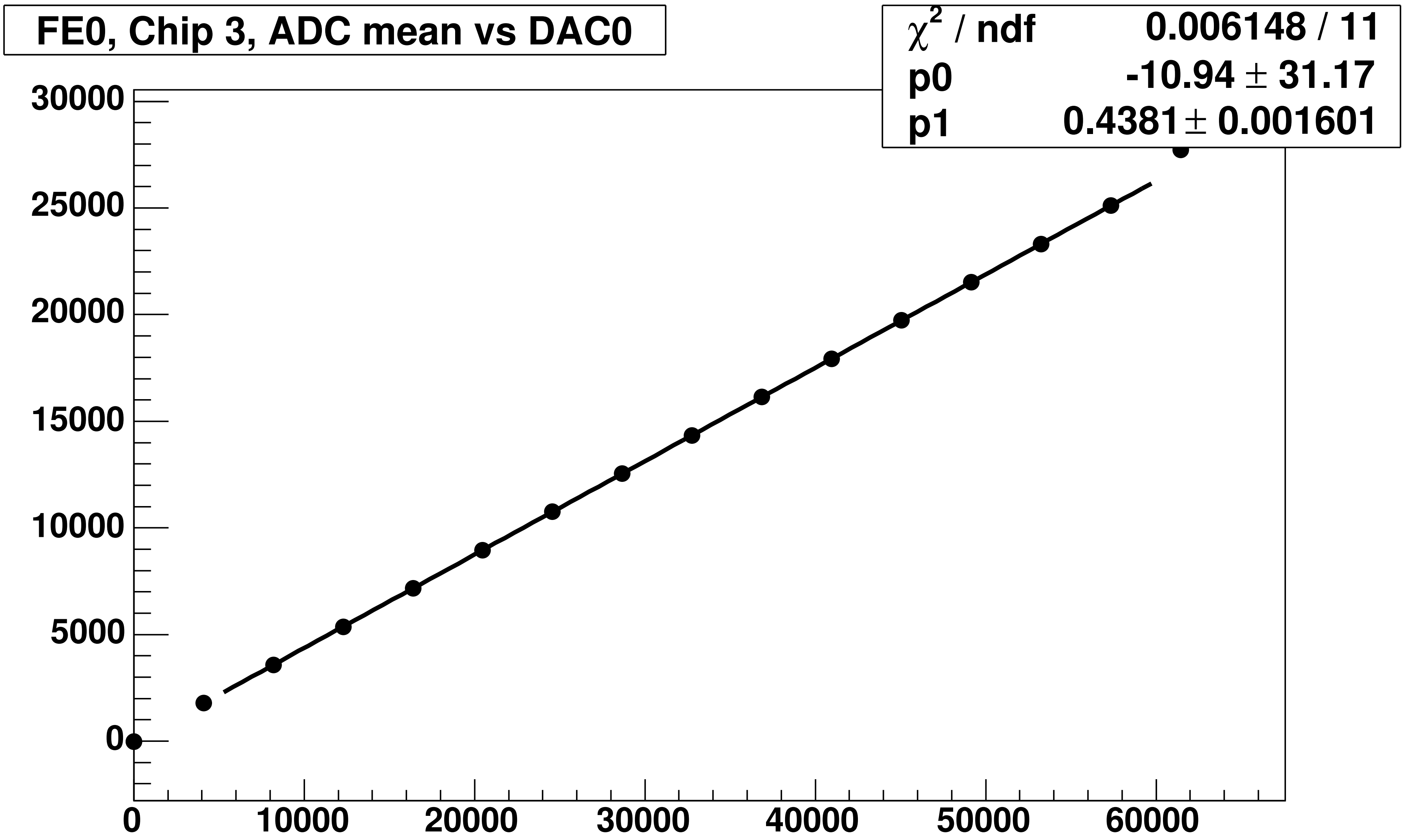


FE0, Chip 2, ADC mean vs DAC1
$\chi^2$ / ndf 2.104e-05 / 11
p0 -9.546 ± 31.17
p1 0.01413 ± 0.001602
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

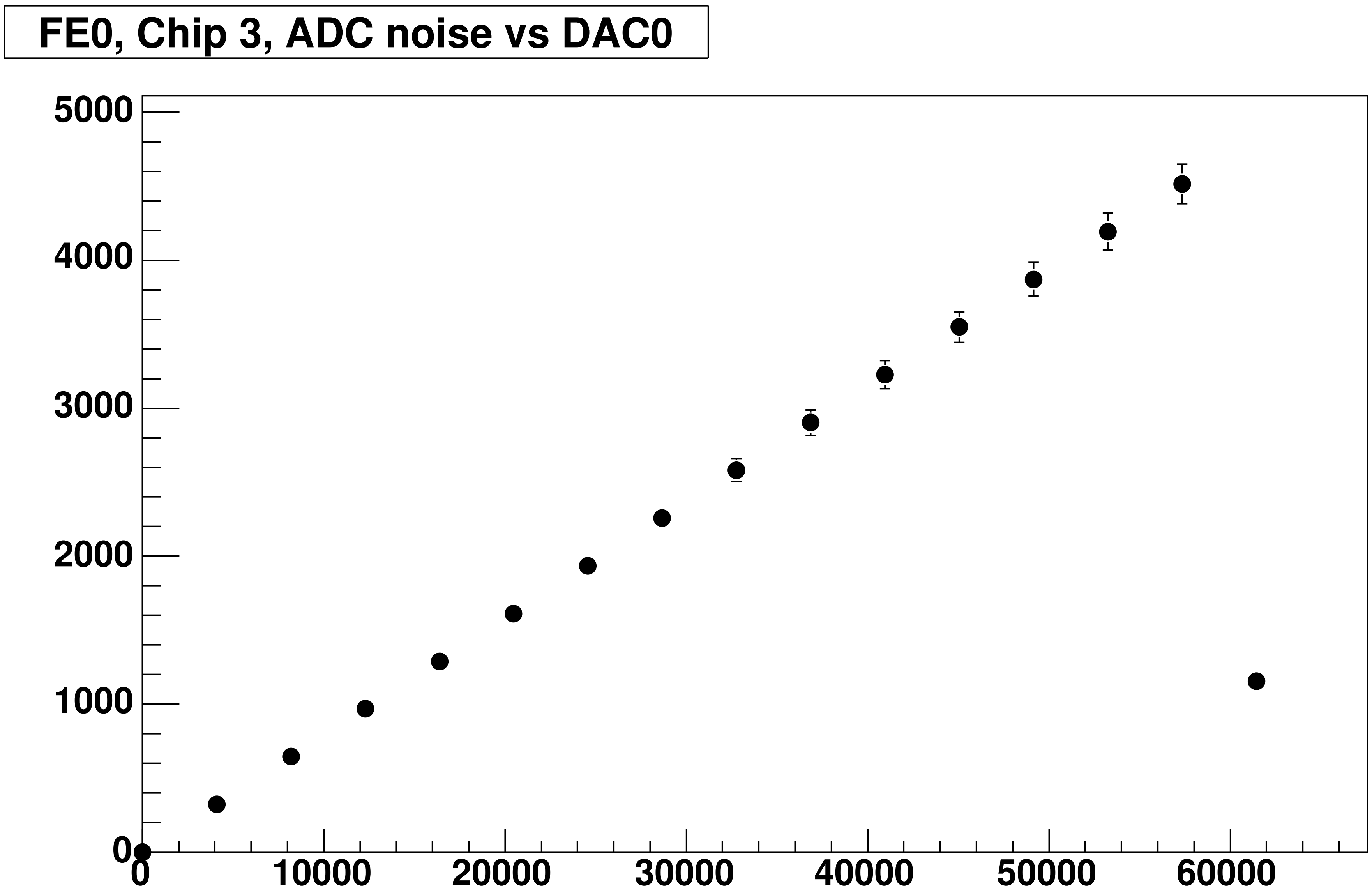
# FE0, Chip 2, ADC noise vs DAC1

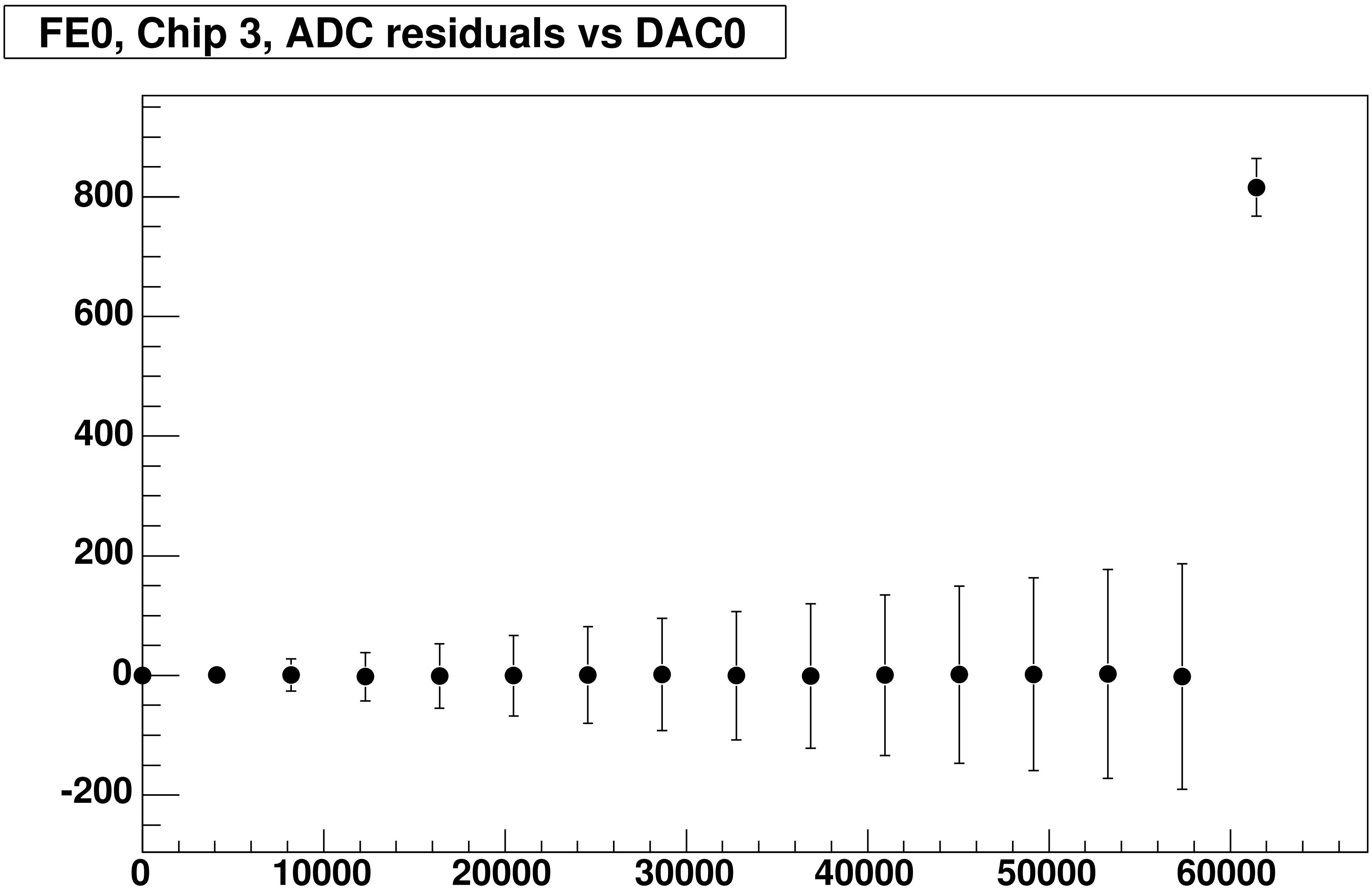


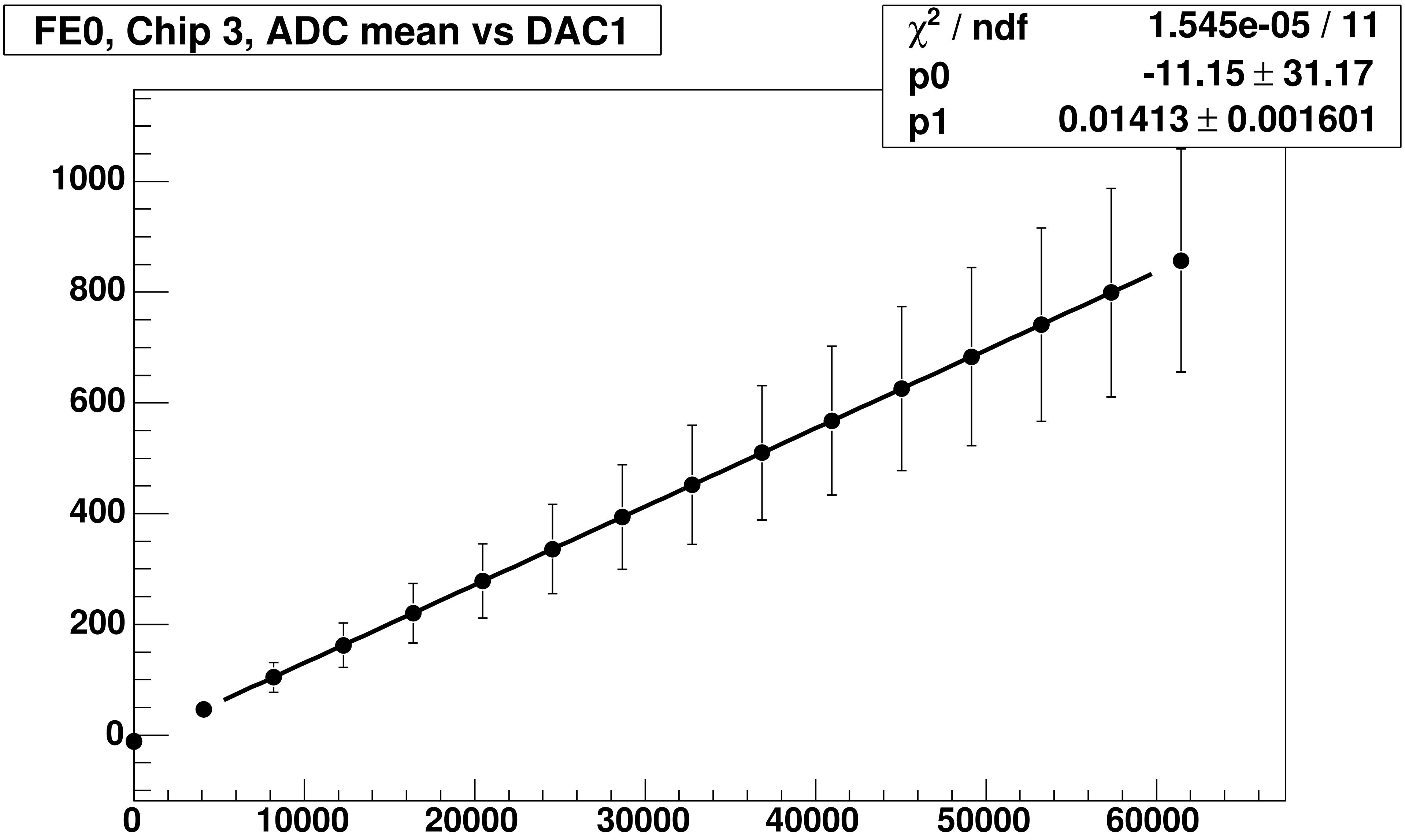

FE0, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

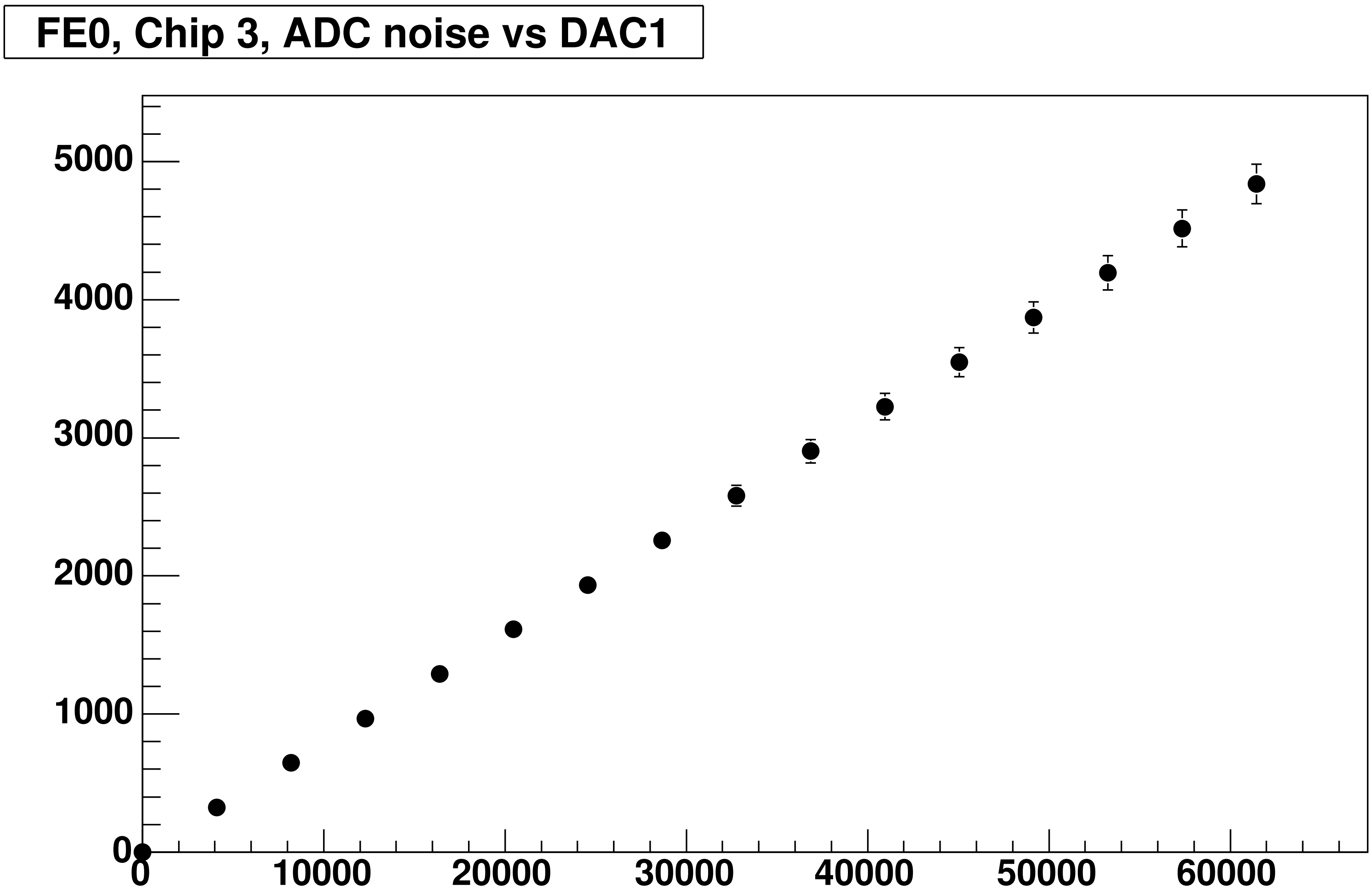


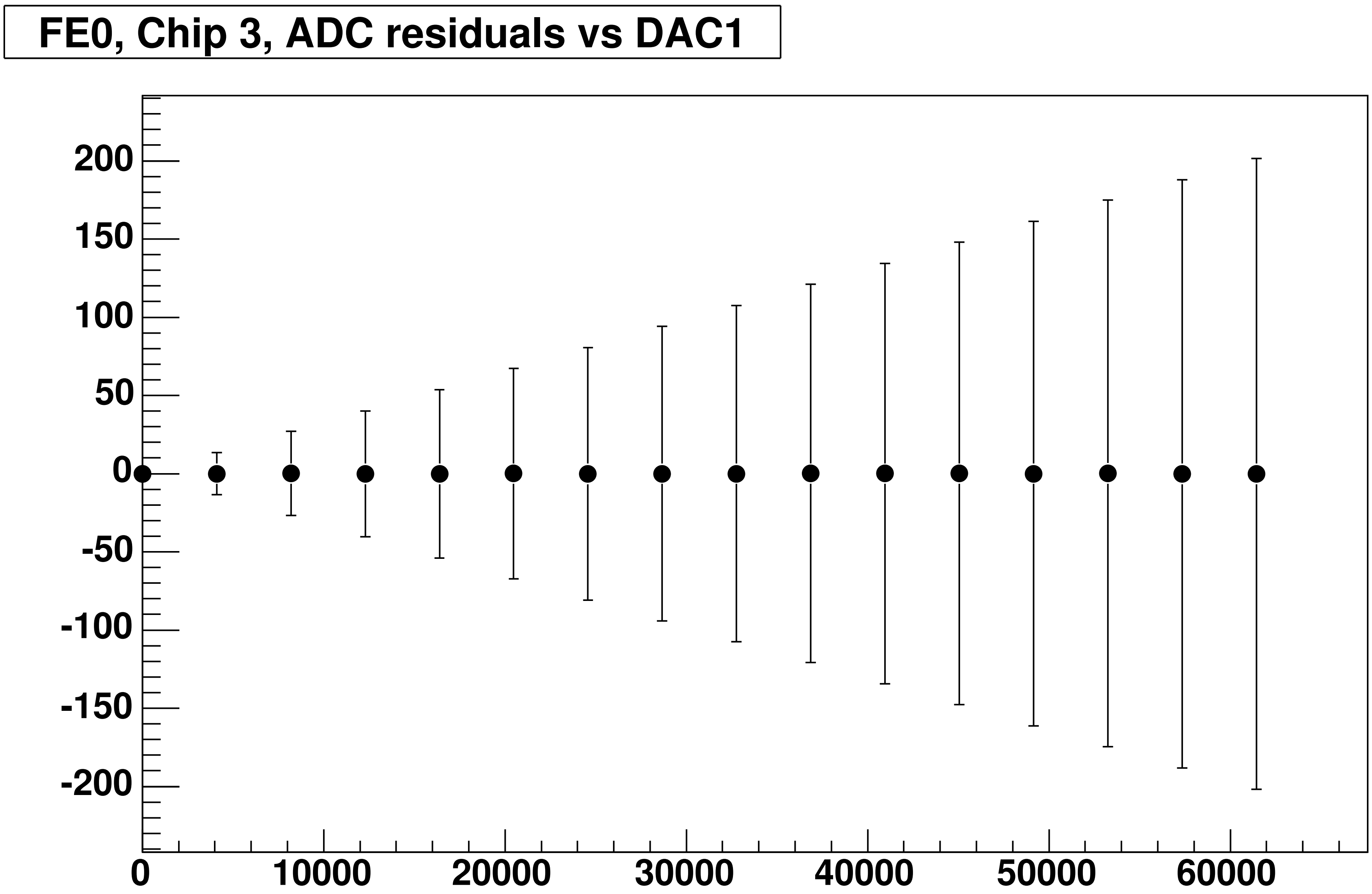
FE0, Chip 3, ADC mean vs DAC0
$\chi^2$ / ndf 0.006148 / 11
p0 -10.94 ± 31.17
p1 0.4381 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

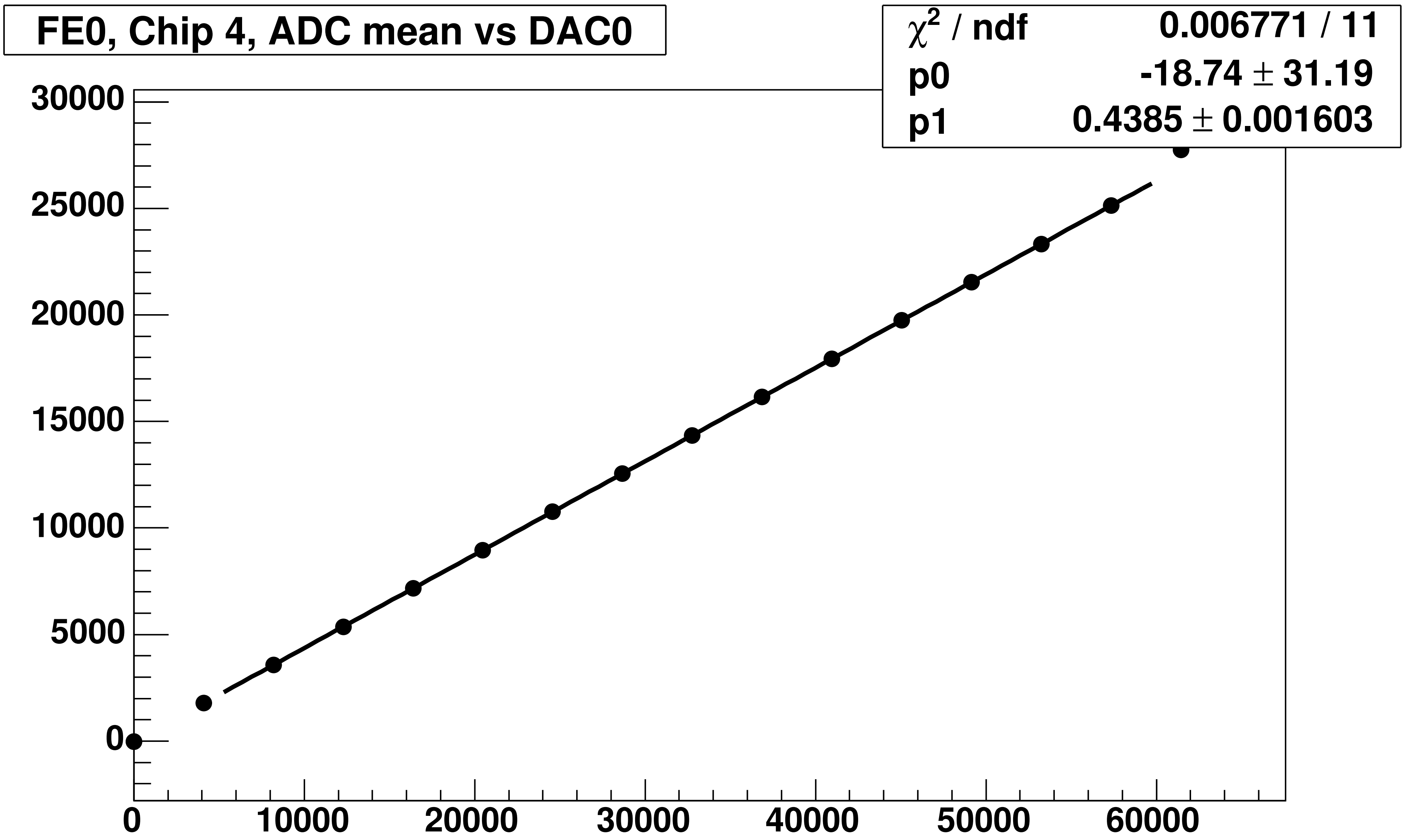

FE0, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

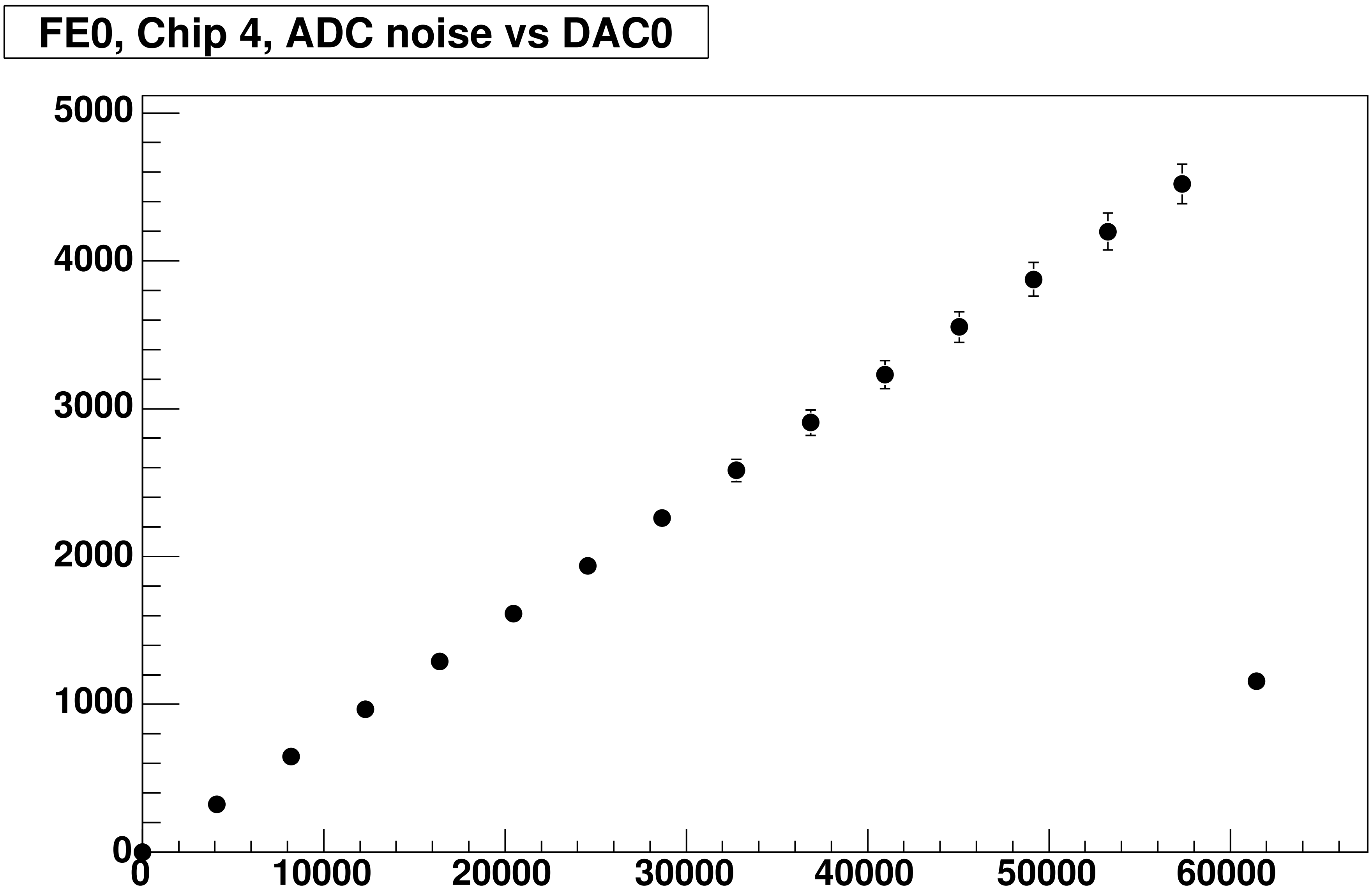

FE0, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE0, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 1.545e-05 / 11
p0 -11.15 ± 31.17
p1 0.01413 ± 0.001601
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

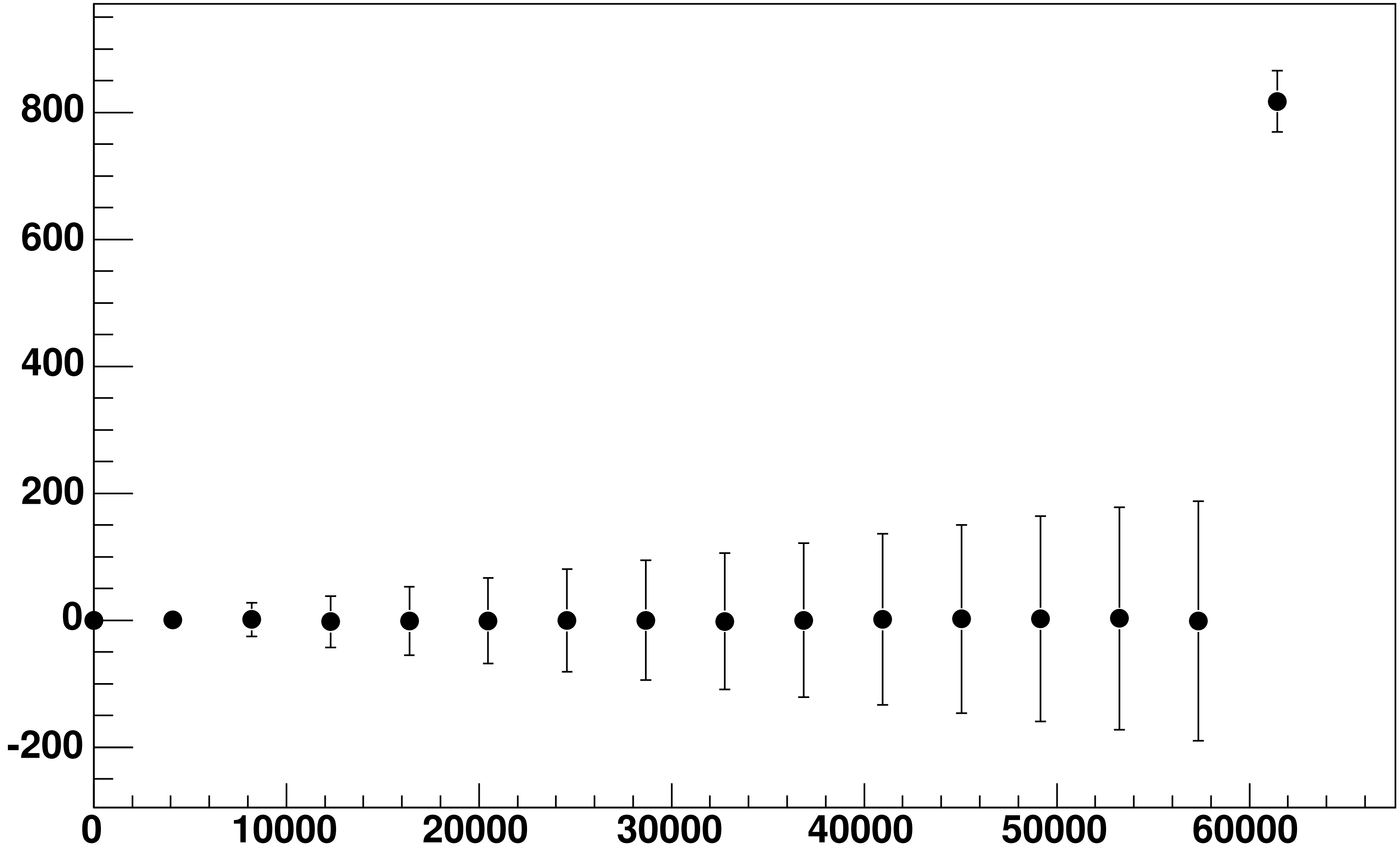

FE0, Chip 3, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

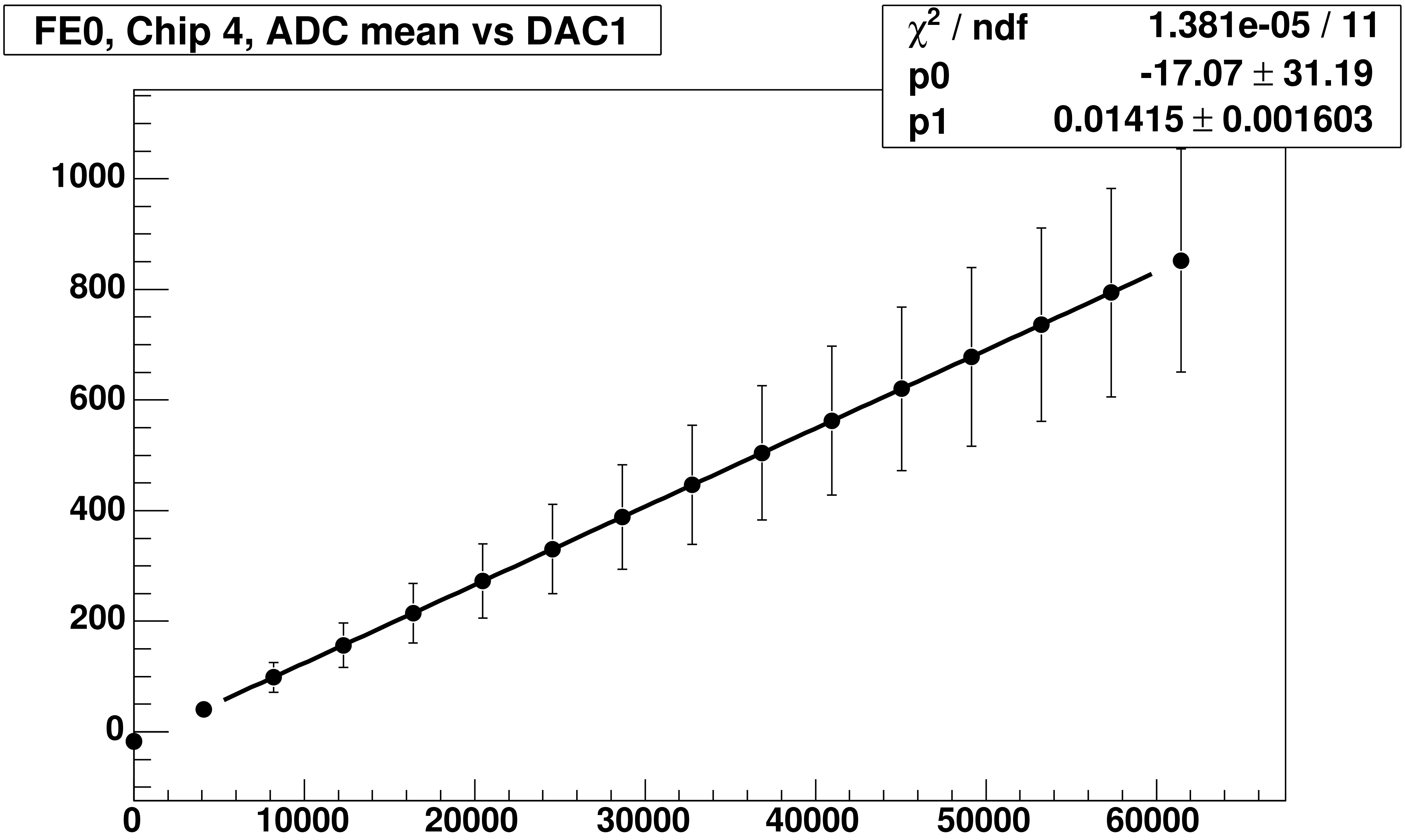

FE0, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

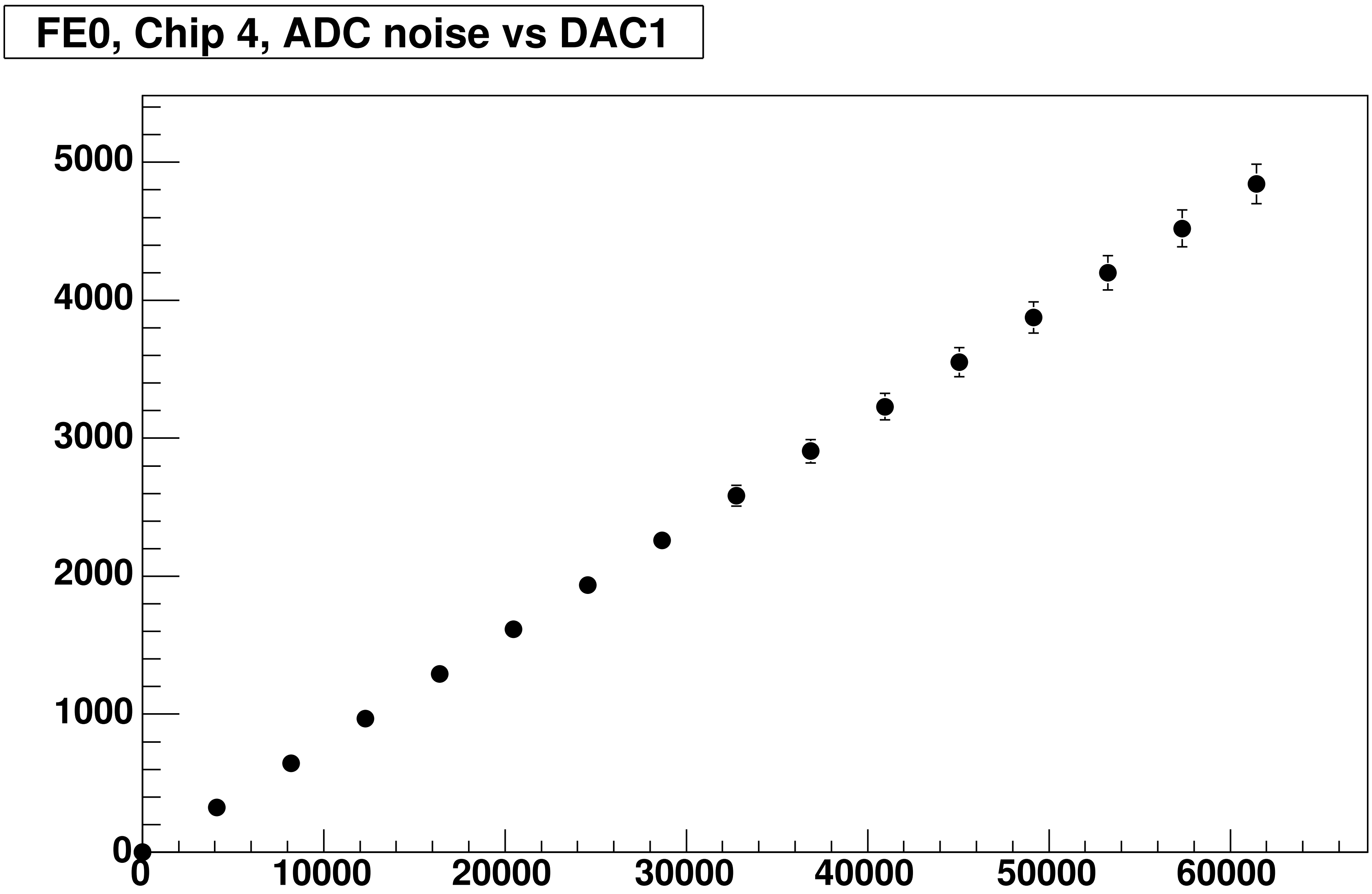

FE0, Chip 4, ADC mean vs DAC0
$\chi^2$ / ndf 0.006771 / 11
p0 -18.74 ± 31.19
p1 0.4385 ± 0.001603
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

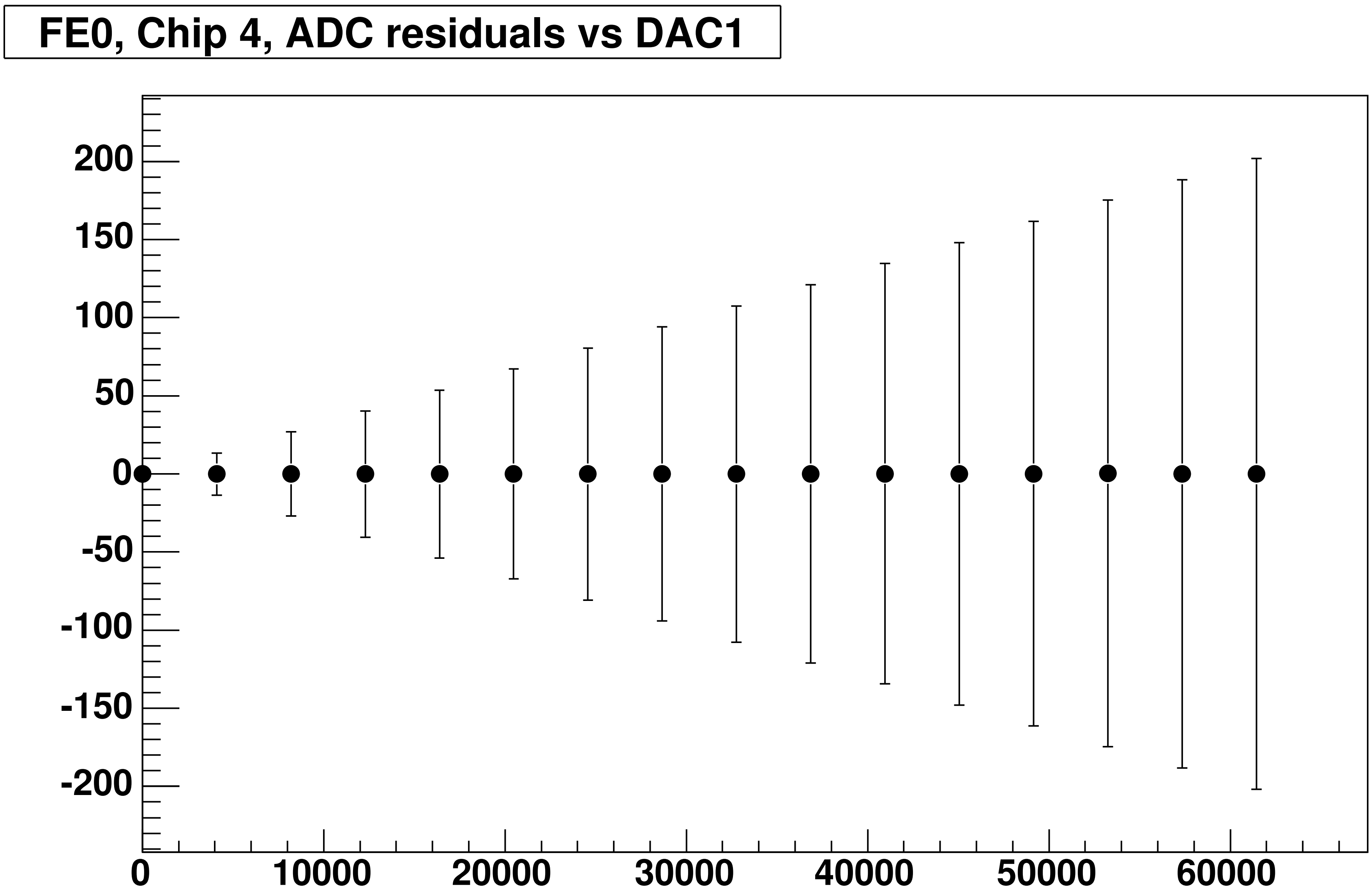

FE0, Chip 4, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

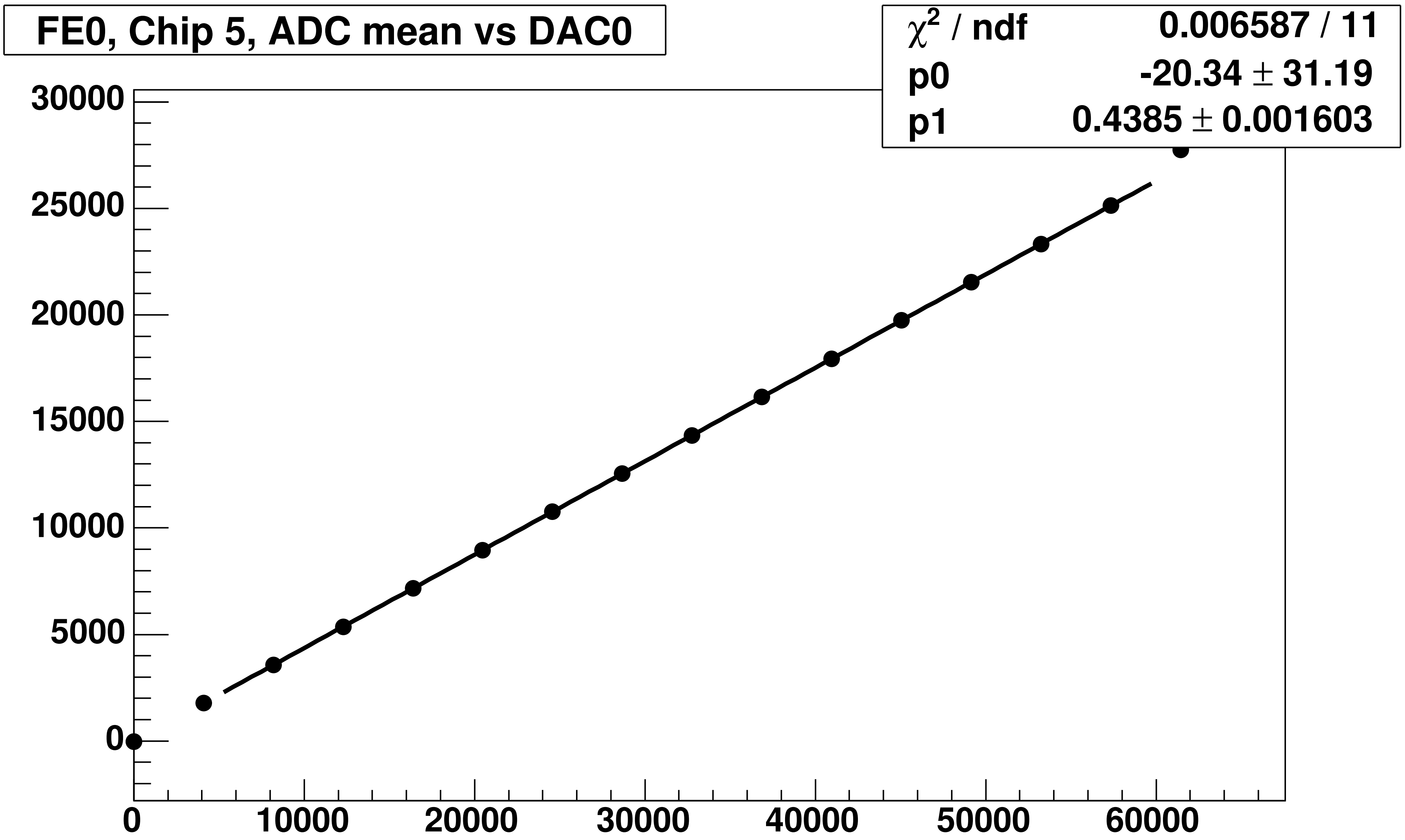
FE0, Chip 4, ADC residuals vs DAC0



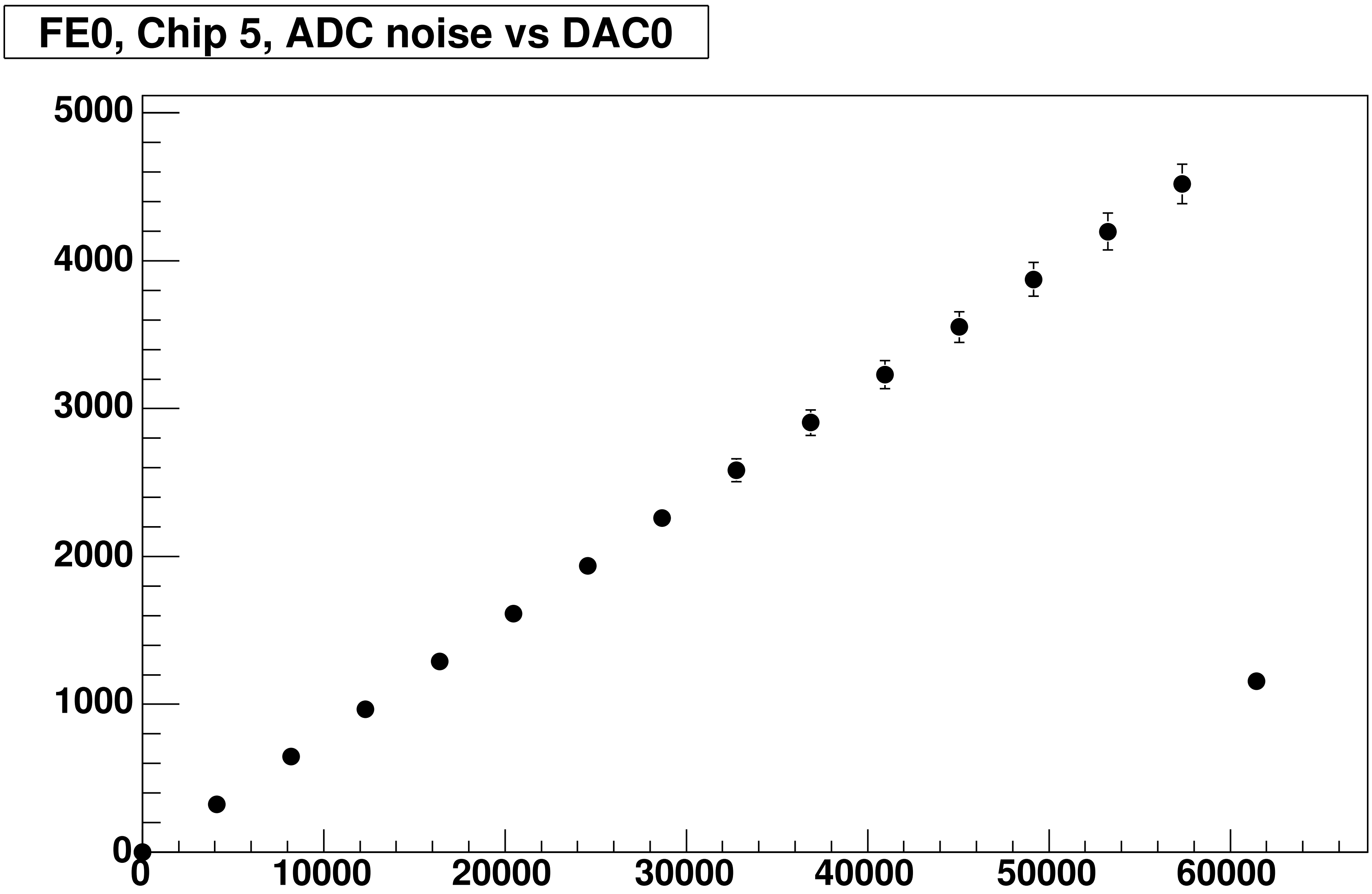

FE0, Chip 4, ADC mean vs DAC1
$\chi^2$ / ndf 1.381e-05 / 11
p0 -17.07 ± 31.19
p1 0.01415 ± 0.001603
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

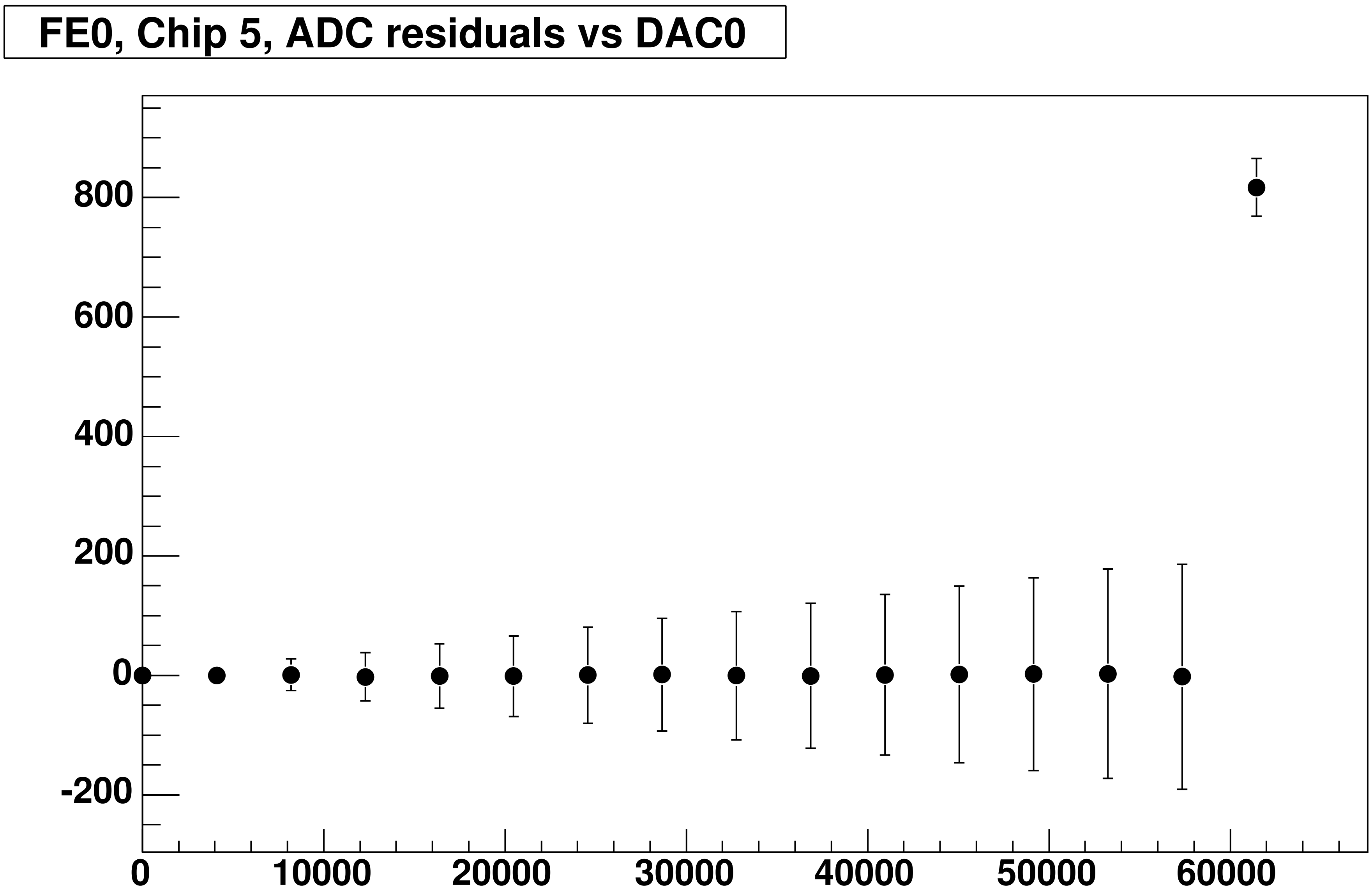

FE0, Chip 4, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

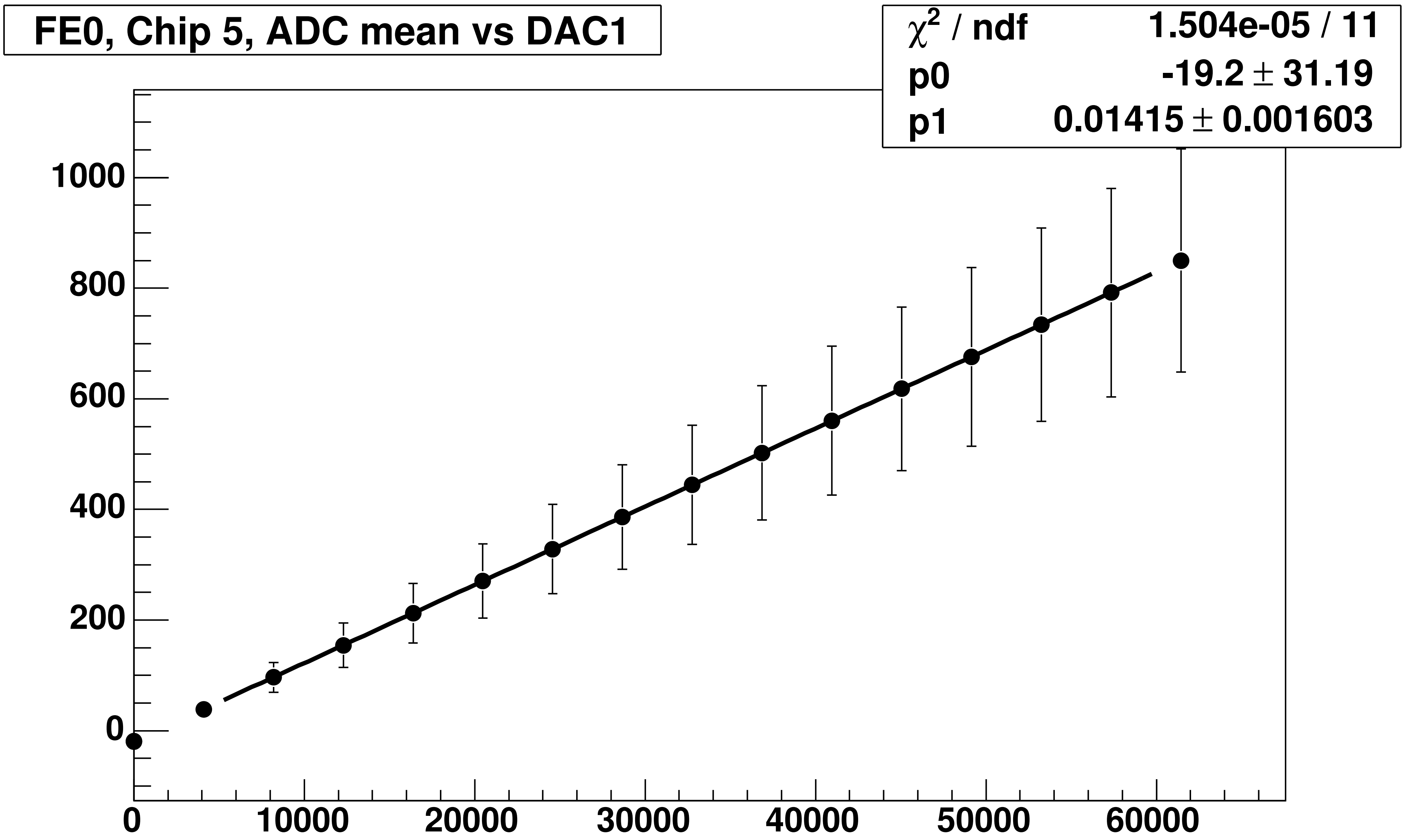

FE0, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

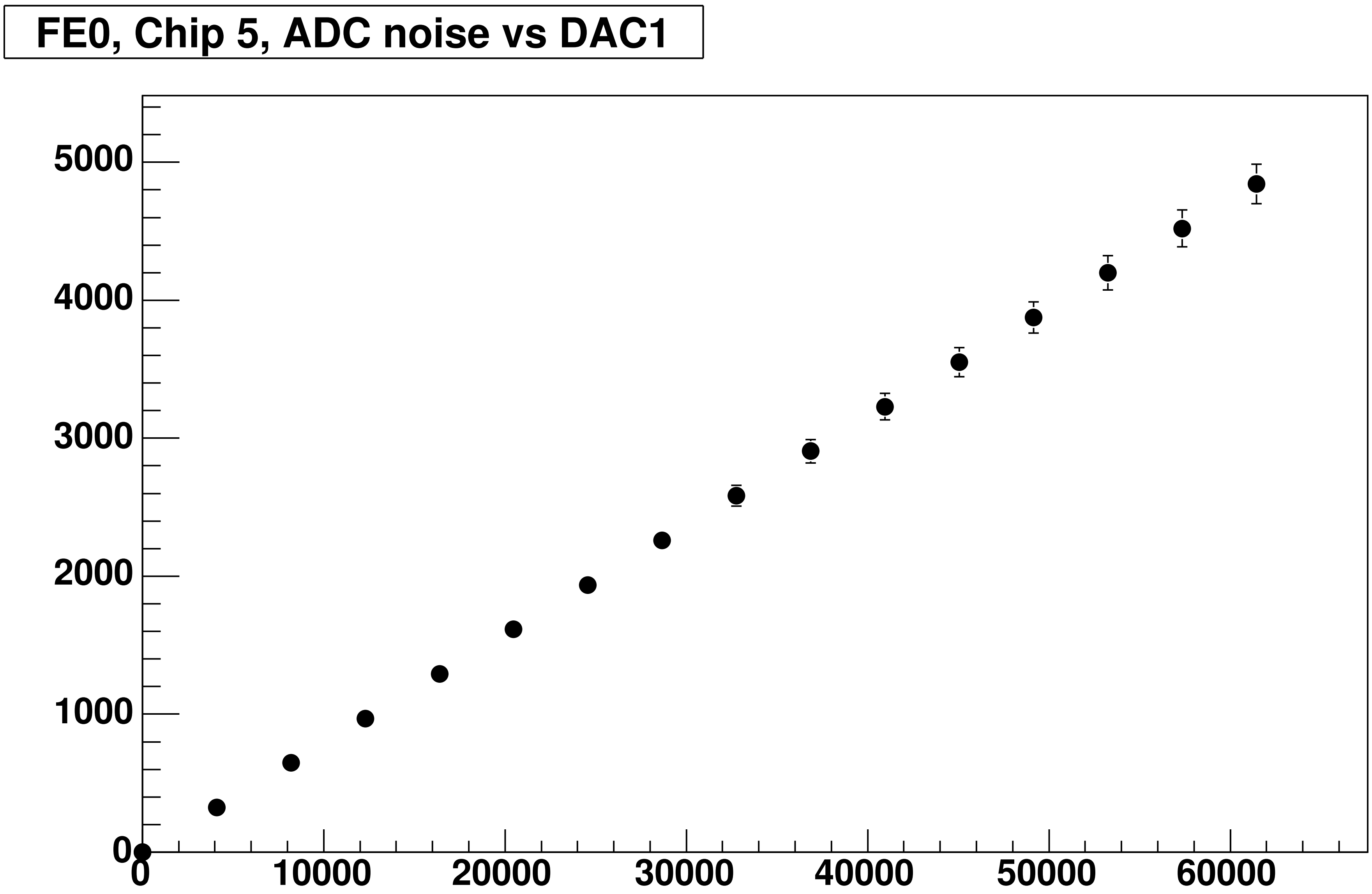


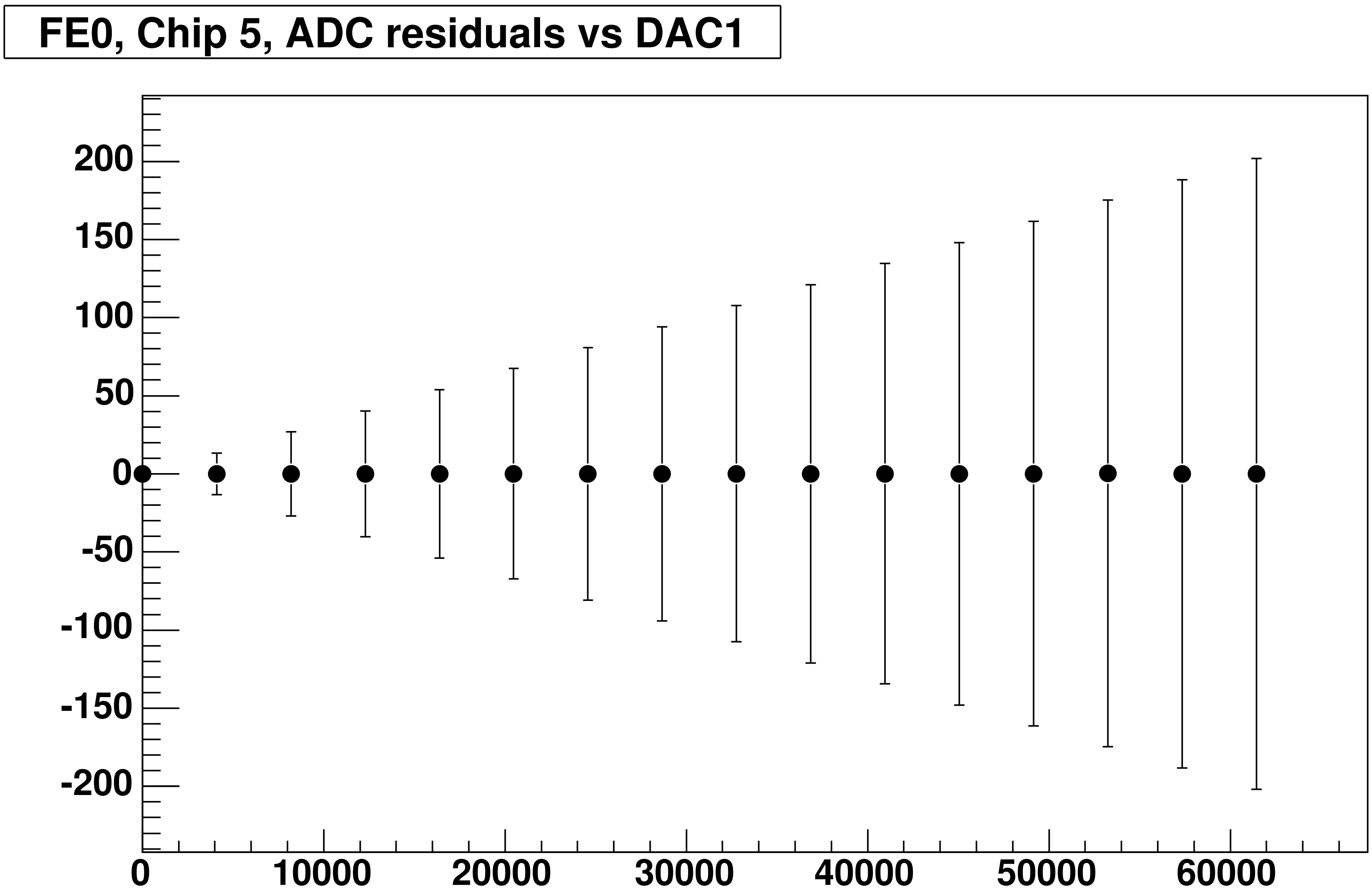
FE0, Chip 5, ADC mean vs DAC0
$\chi^2$ / ndf 0.006587 / 11
p0 -20.34 ± 31.19
p1 0.4385 ± 0.001603
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

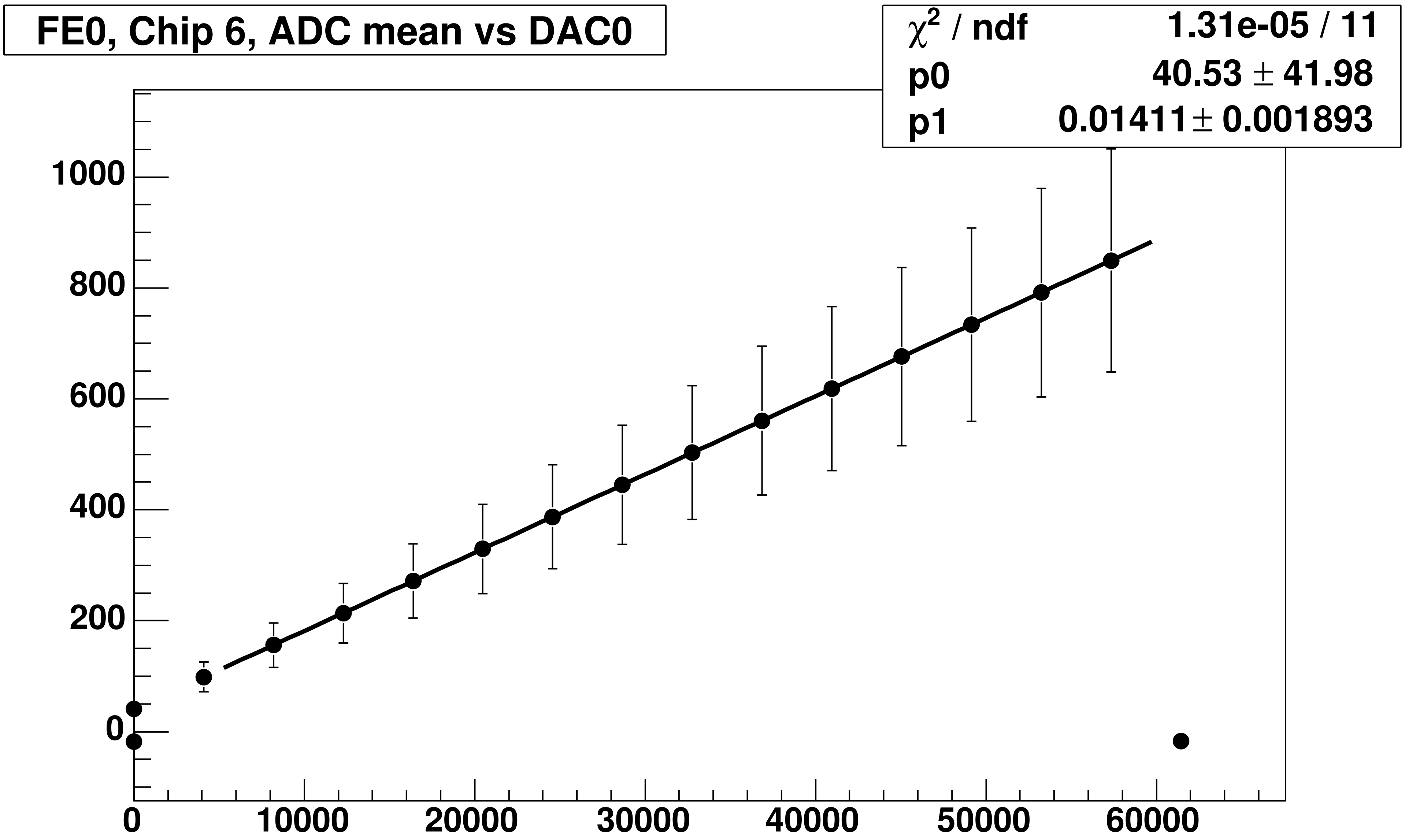

FE0, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

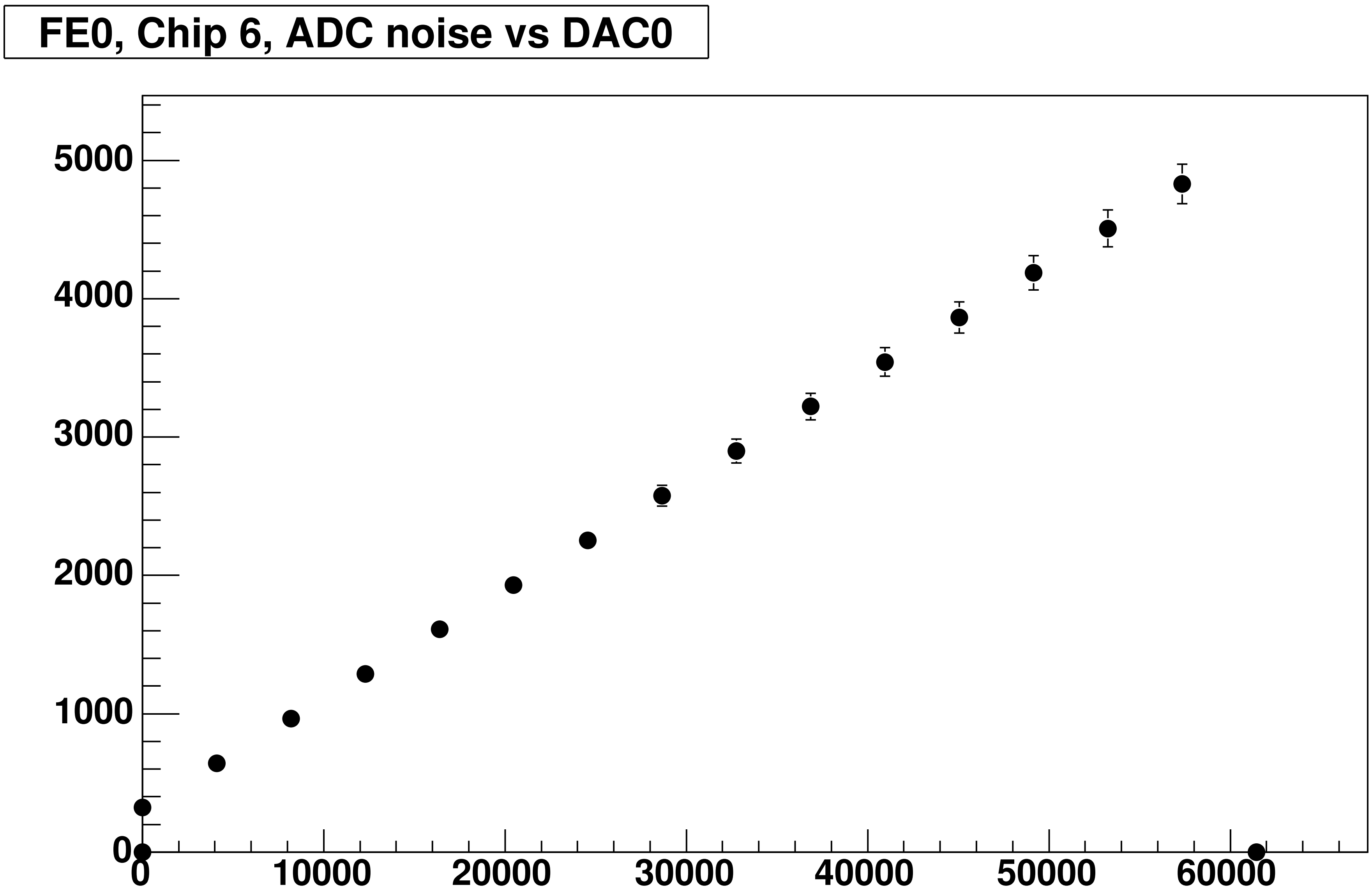

FE0, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

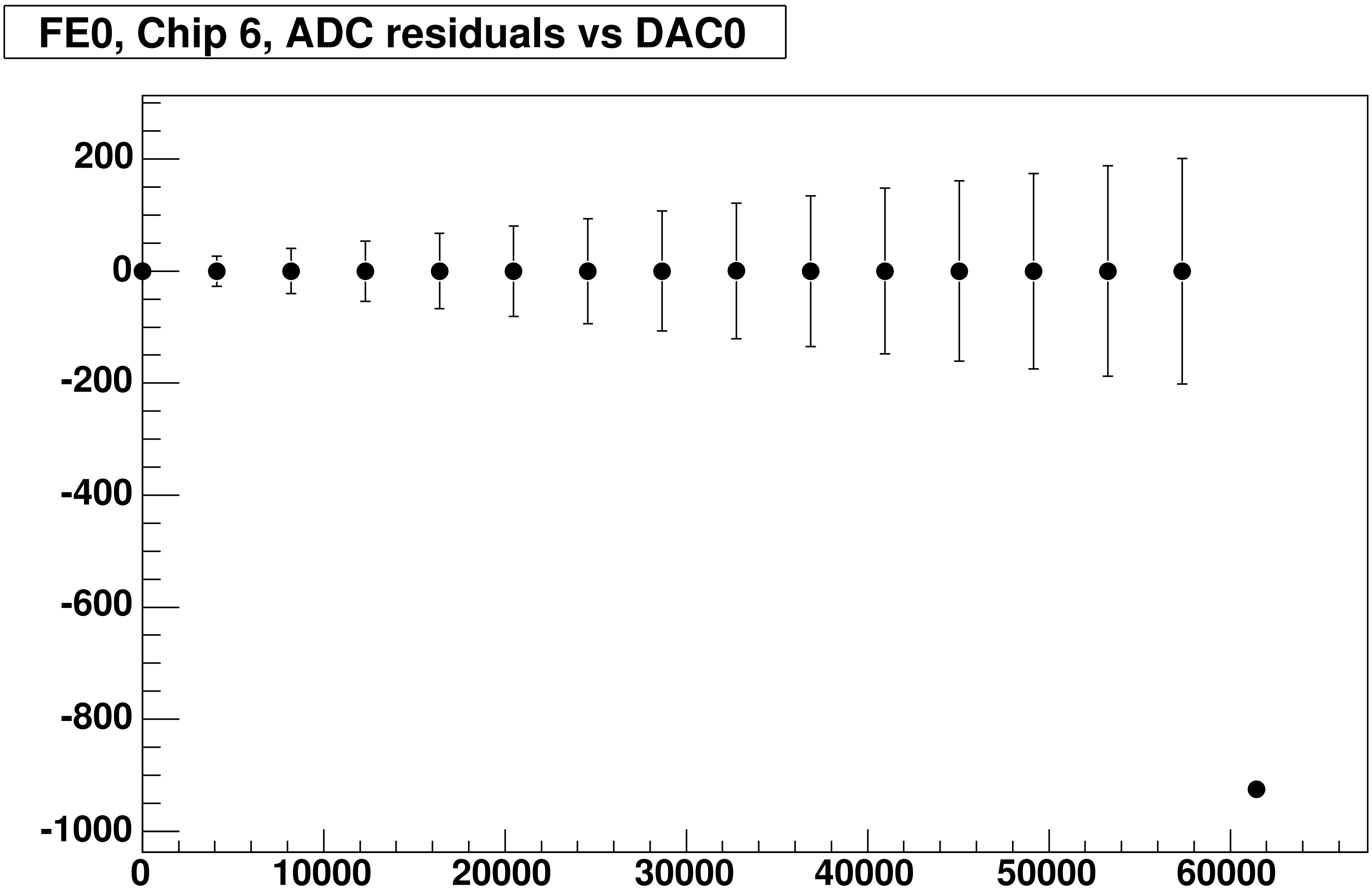

FE0, Chip 5, ADC mean vs DAC1
$\chi^2$ / ndf 1.504e-05 / 11
p0 -19.2 ± 31.19
p1 0.01415 ± 0.001603
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

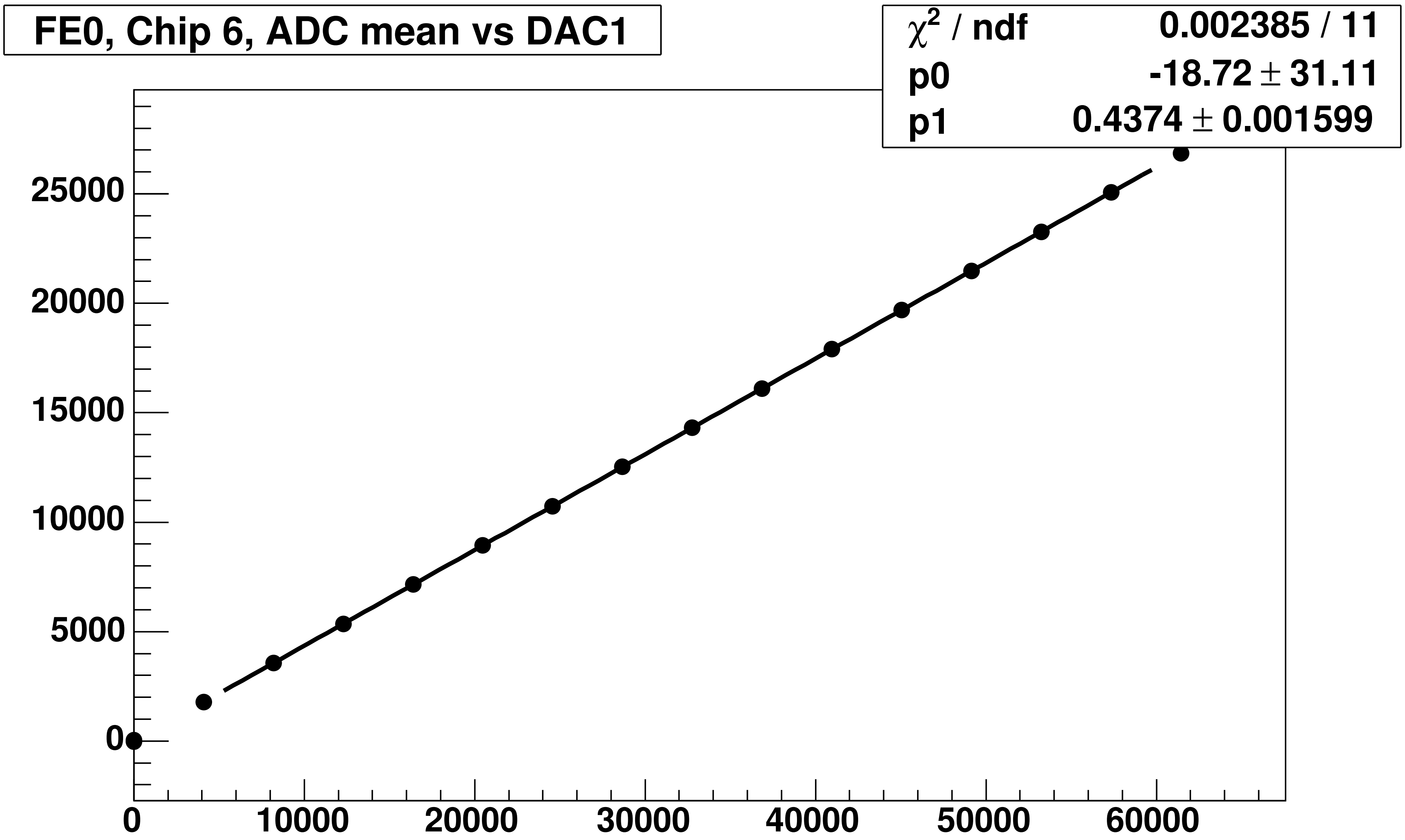

FE0, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

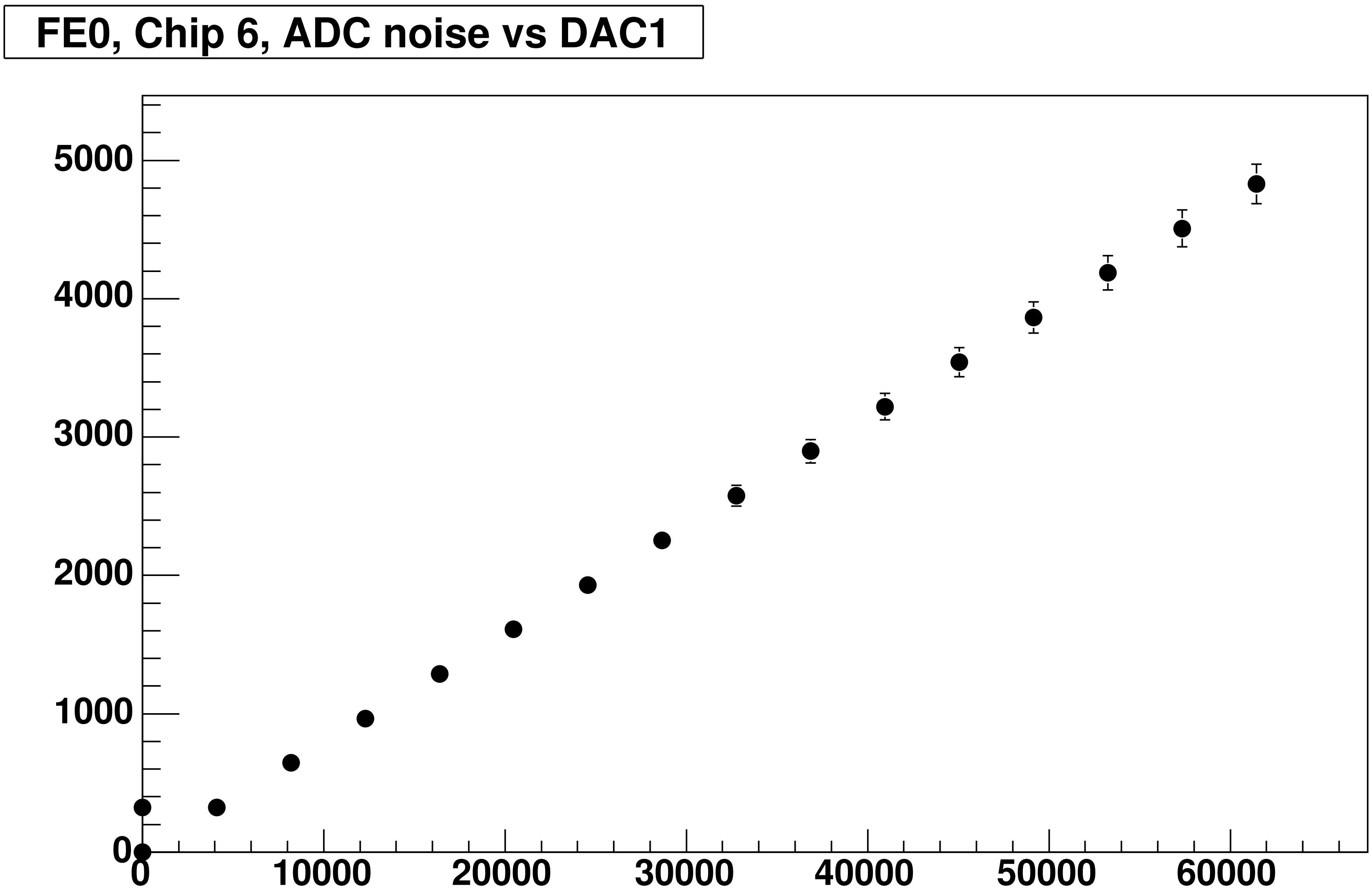

FE0, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE0, Chip 6, ADC mean vs DAC0
$\chi^2$ / ndf 1.31e-05 / 11
p0 40.53 ± 41.98
p1 0.01411 ± 0.001893
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

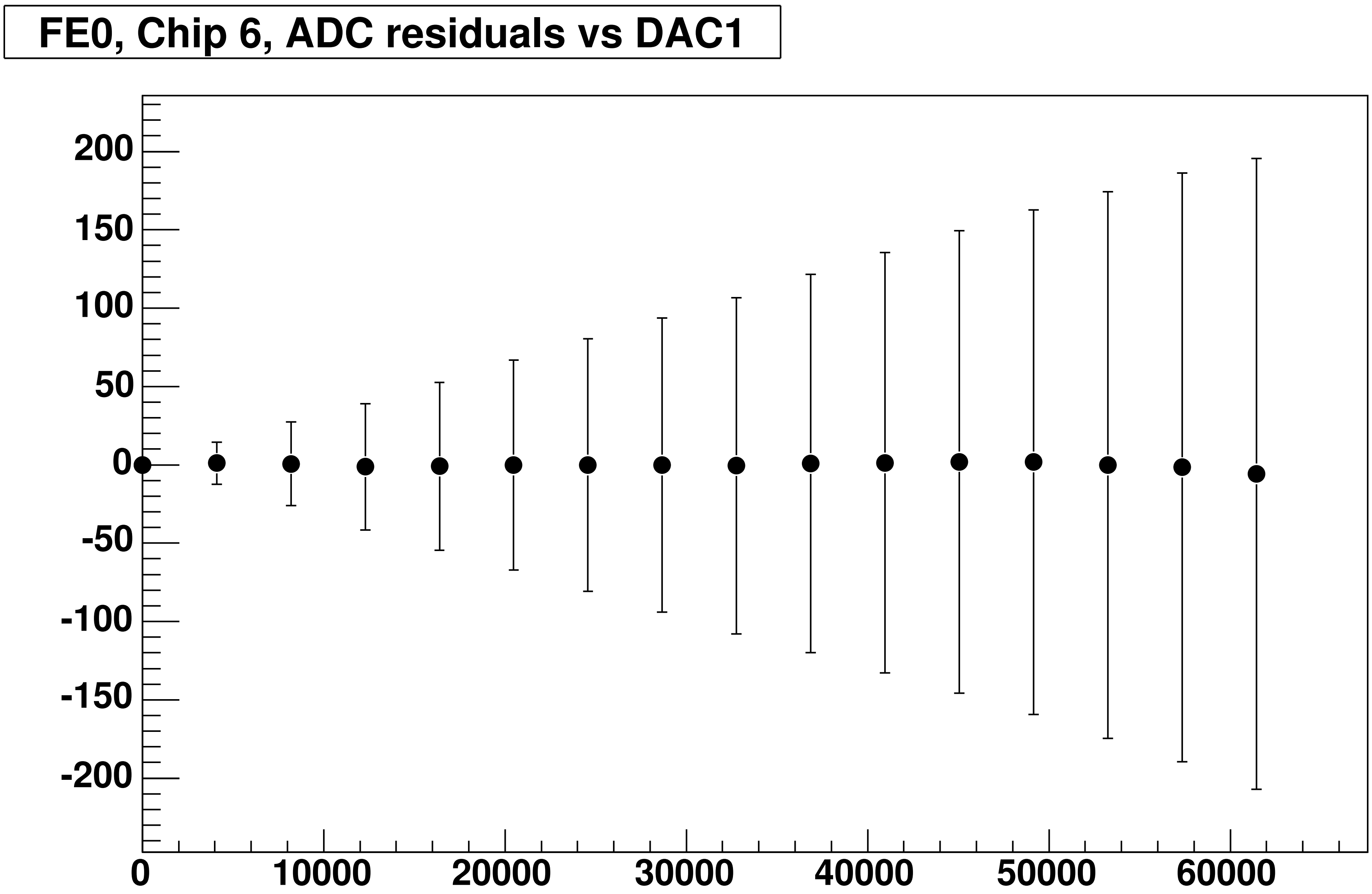

FE0, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

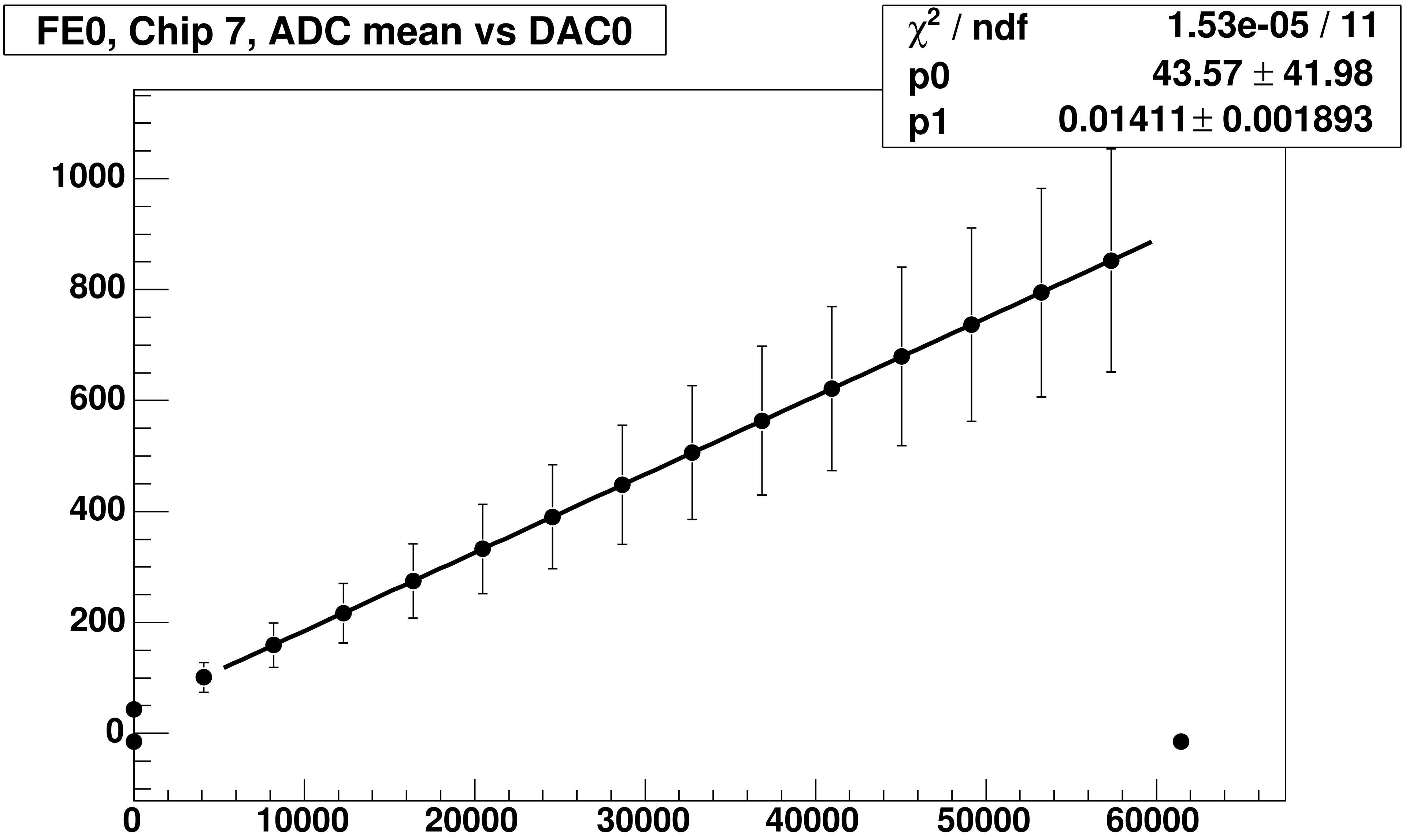

FE0, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.002385 / 11
p0 -18.72 ± 31.11
p1 0.4374 ± 0.001599
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



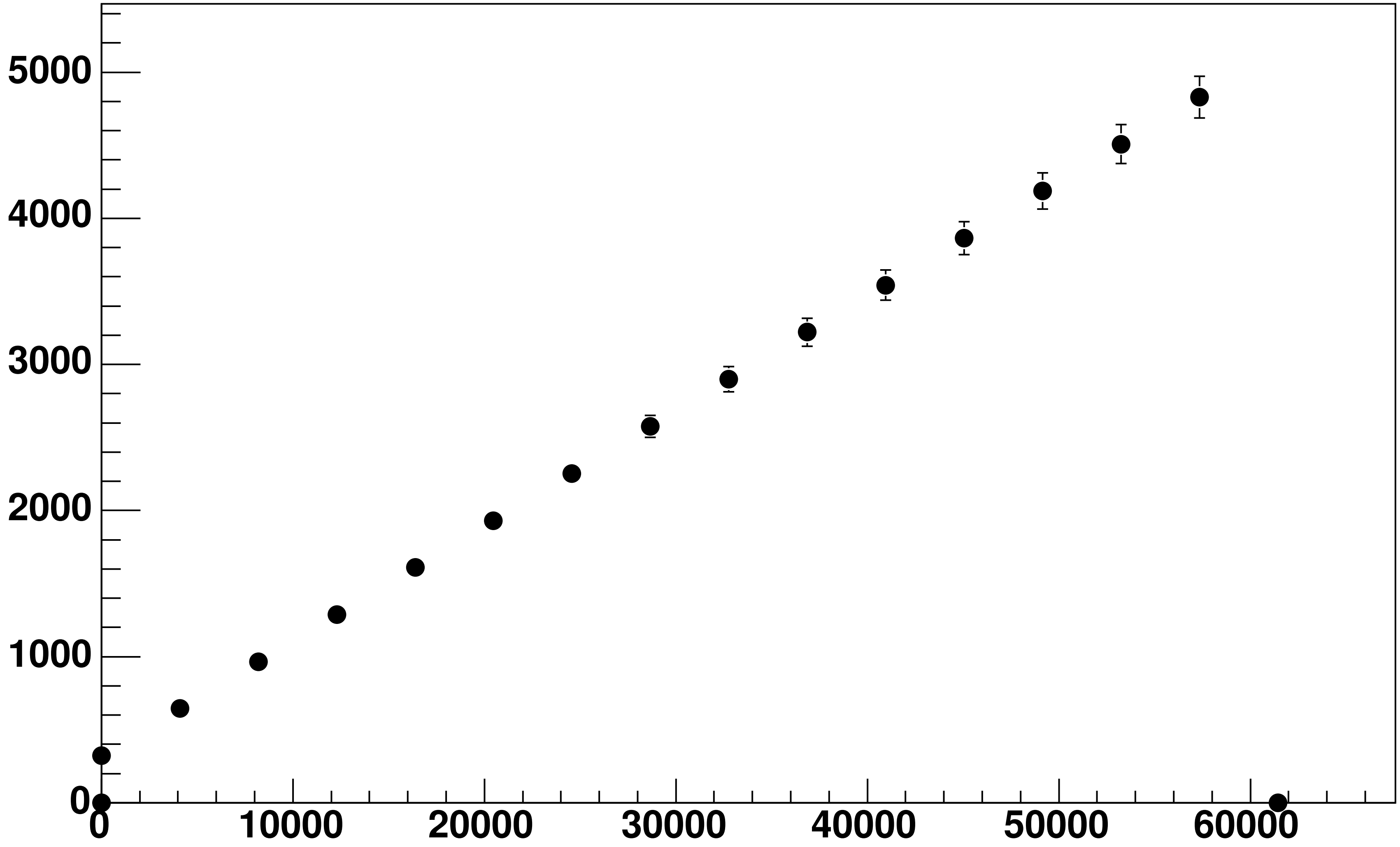
FE0, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

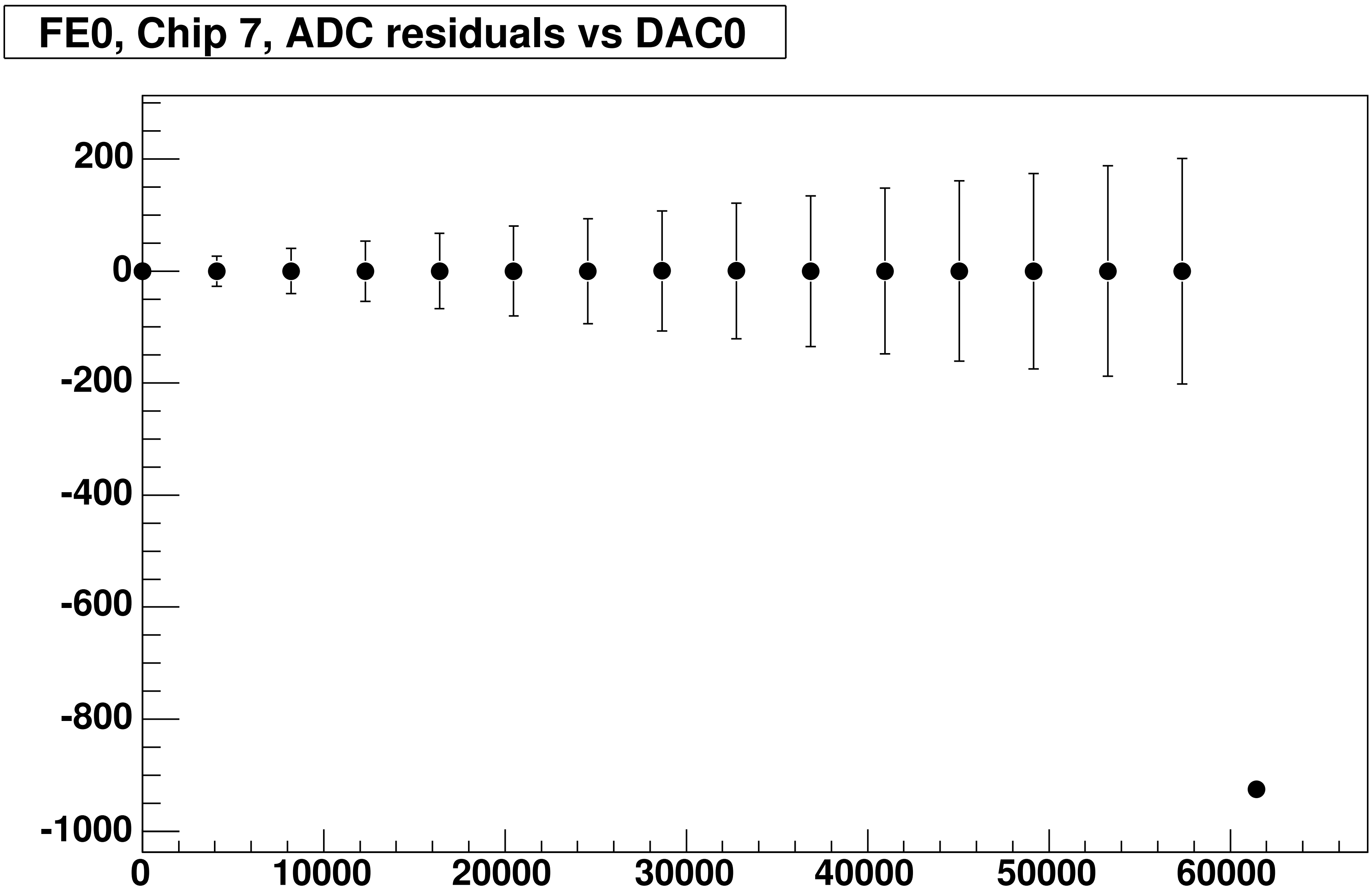

FE0, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

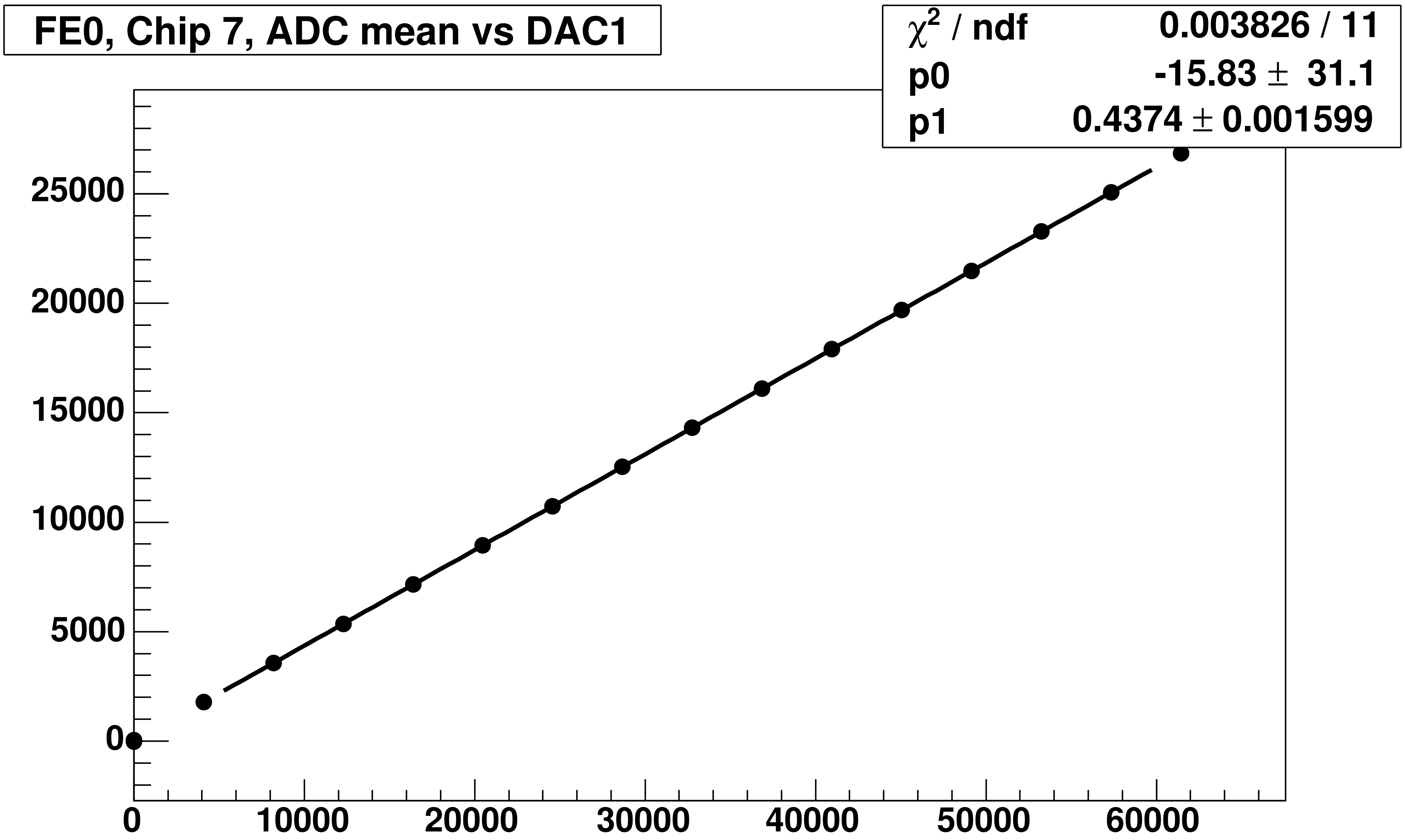


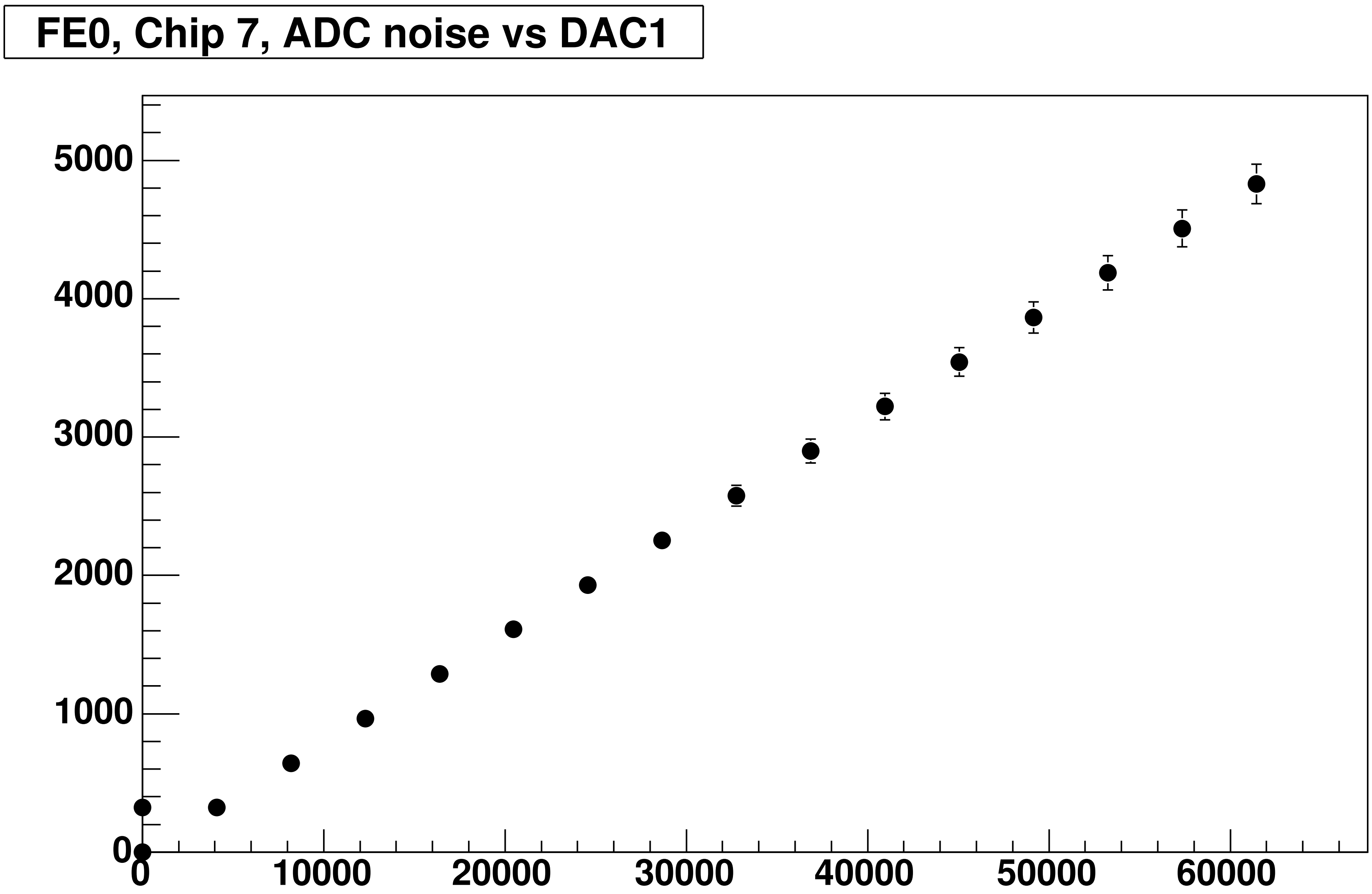
FE0, Chip 7, ADC mean vs DAC0
$\chi^2$ / ndf 1.53e-05 / 11
p0 43.57 ± 41.98
p1 0.01411 ± 0.001893
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

FE0, Chip 7, ADC noise vs DAC0

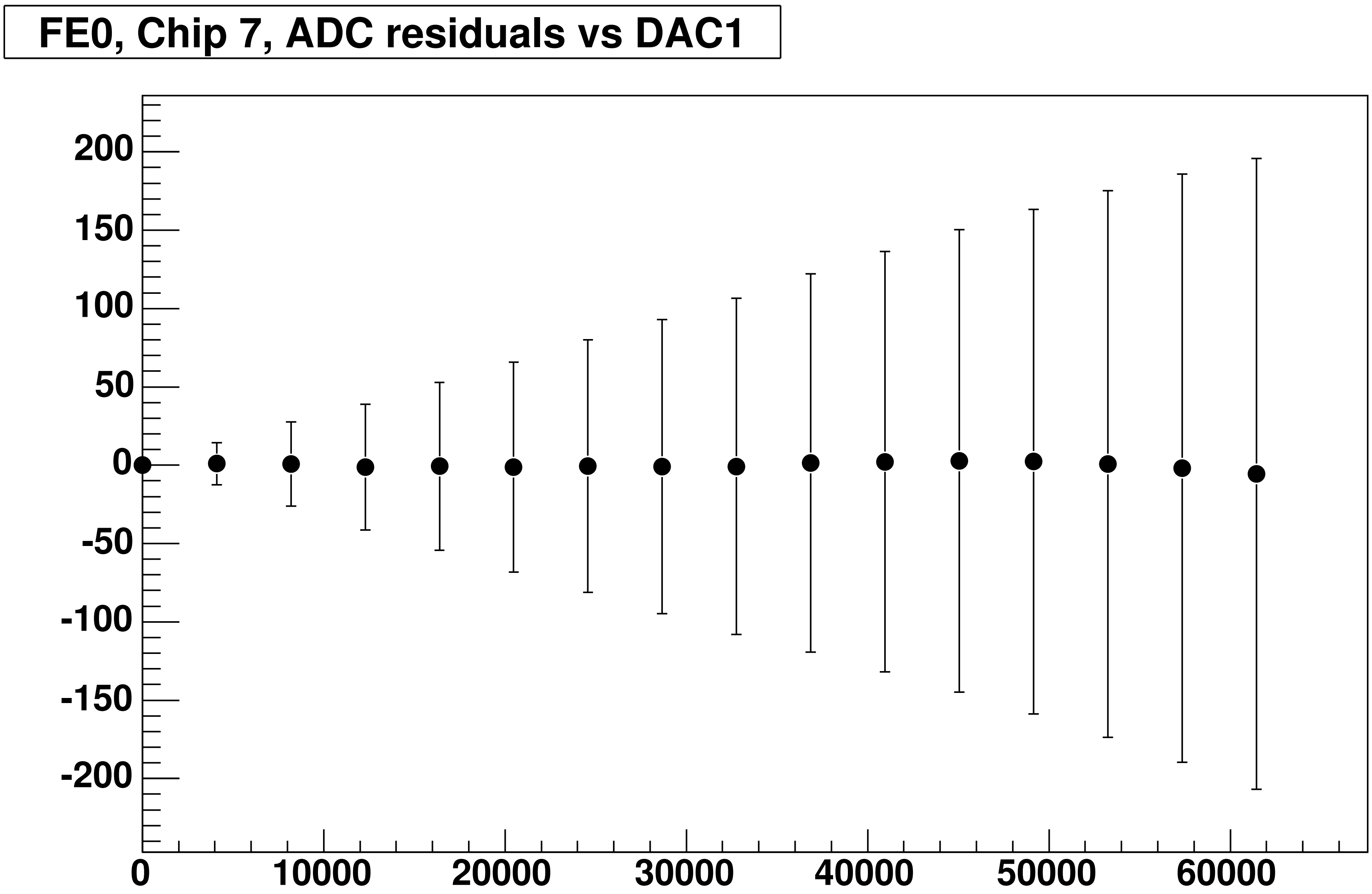


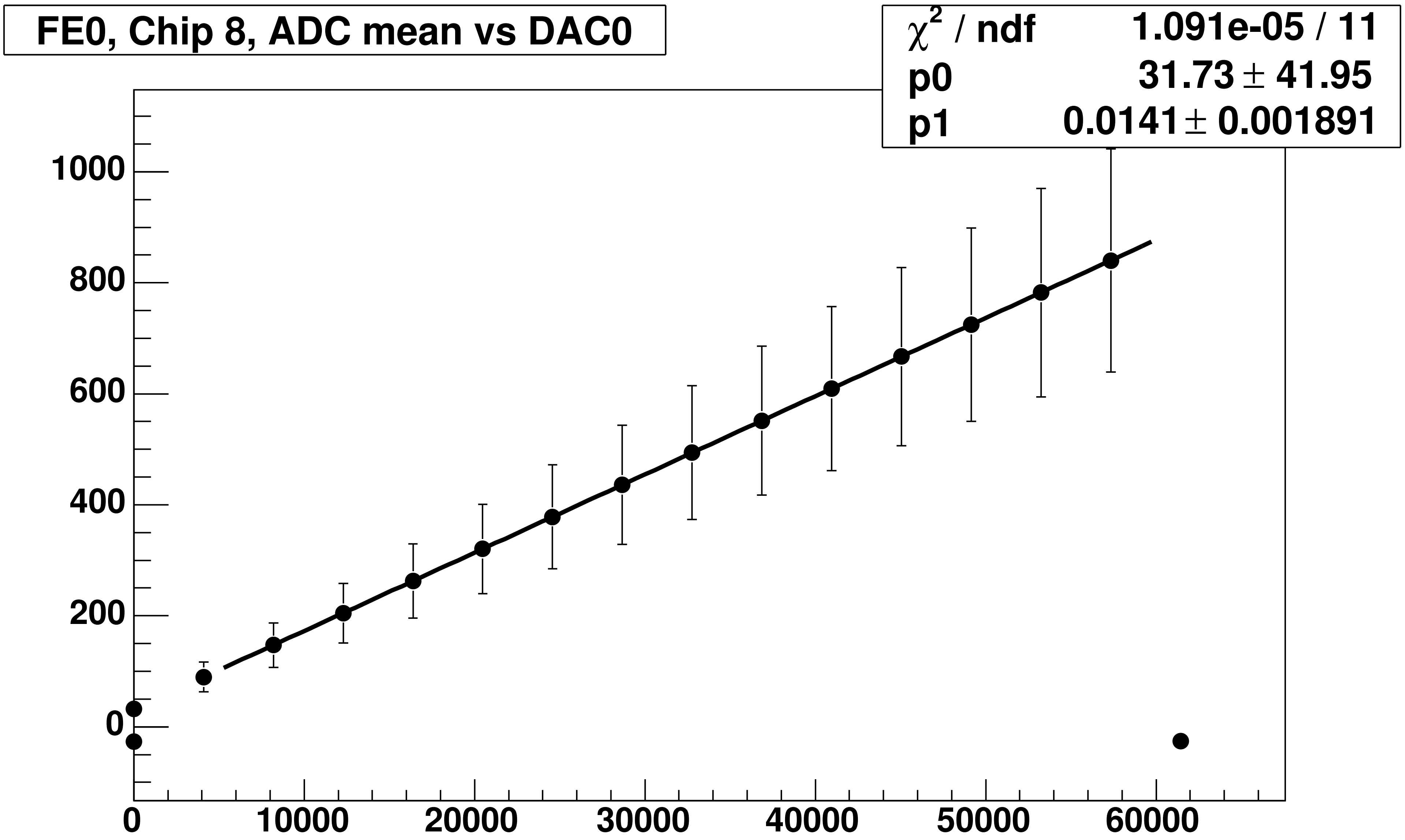

FE0, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

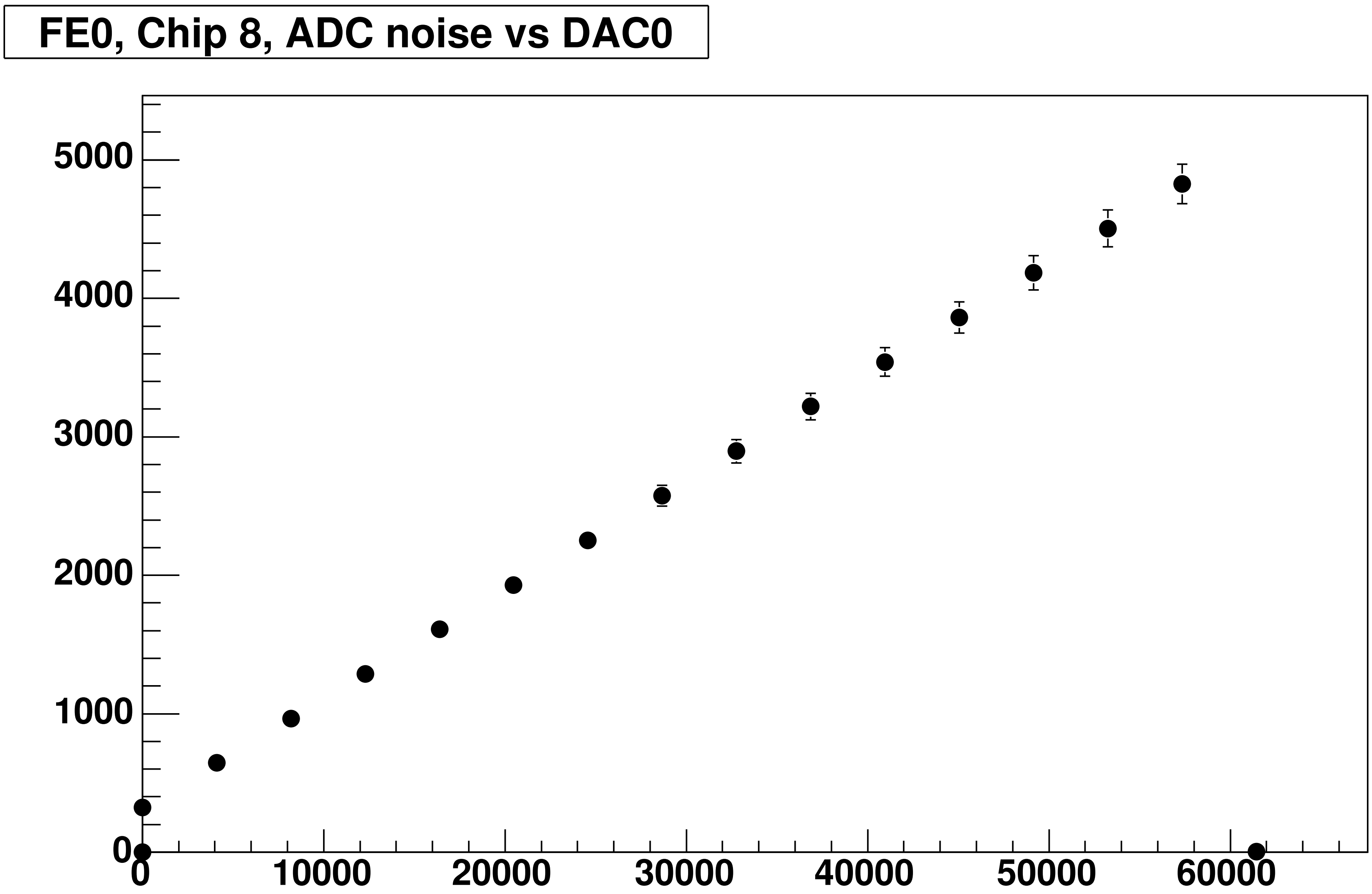

FE0, Chip 7, ADC mean vs DAC1
$\chi^2$ / ndf 0.003826 / 11
p0 -15.83 ± 31.1
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



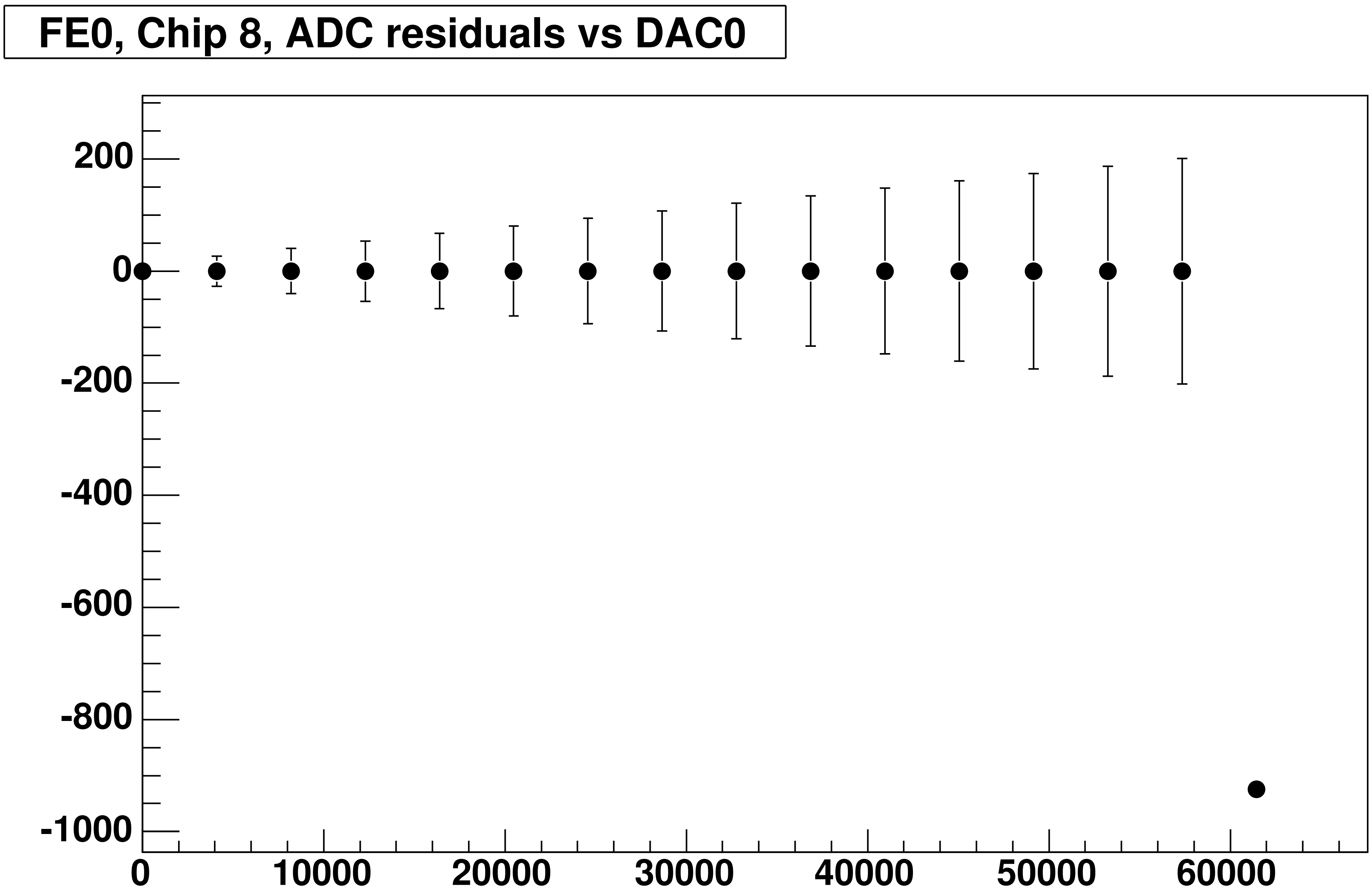
FE0, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

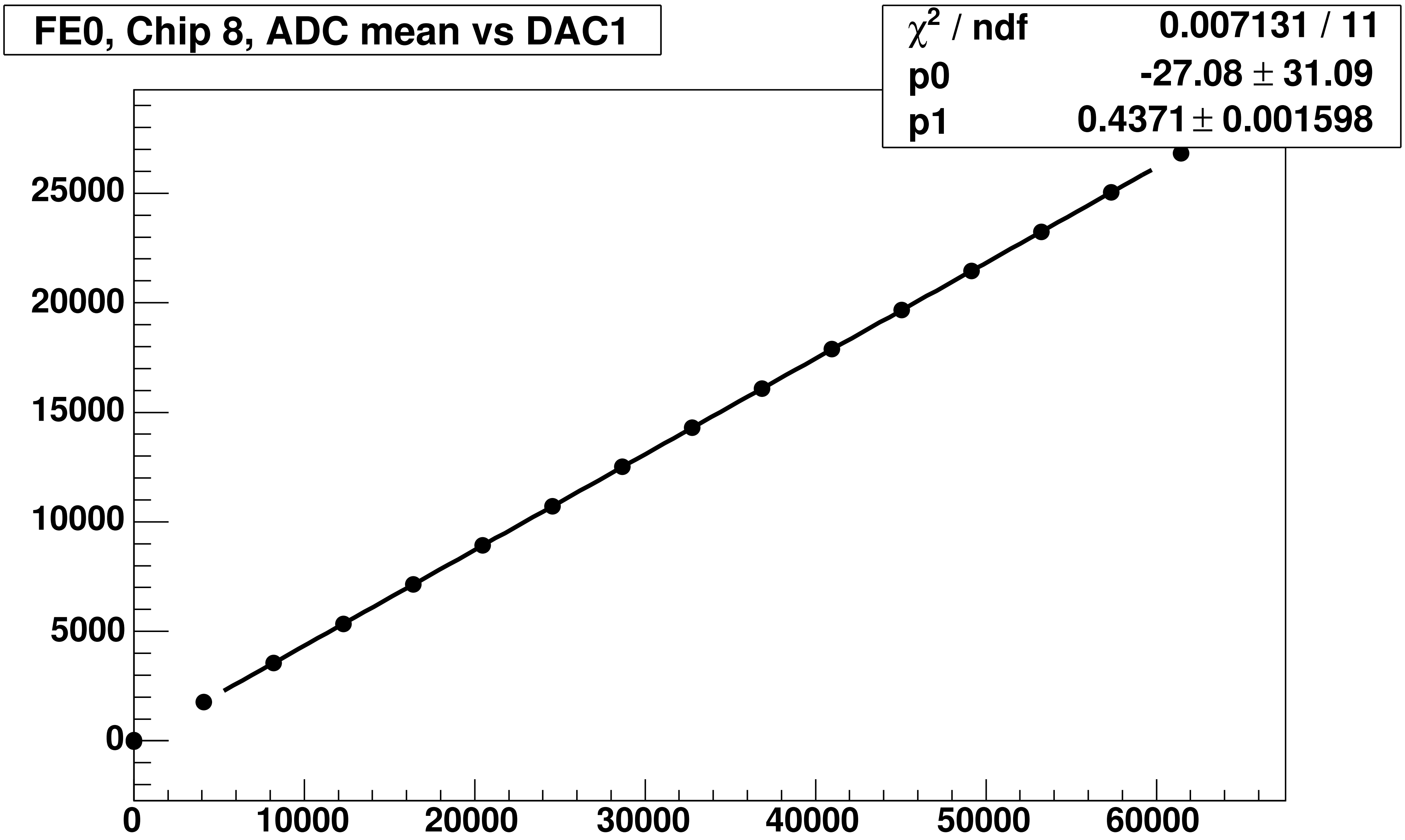

FE0, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE0, Chip 8, ADC mean vs DAC0
χ² / ndf 1.091e-05 / 11
p0 31.73 ± 41.95
p1 0.0141 ± 0.001891
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

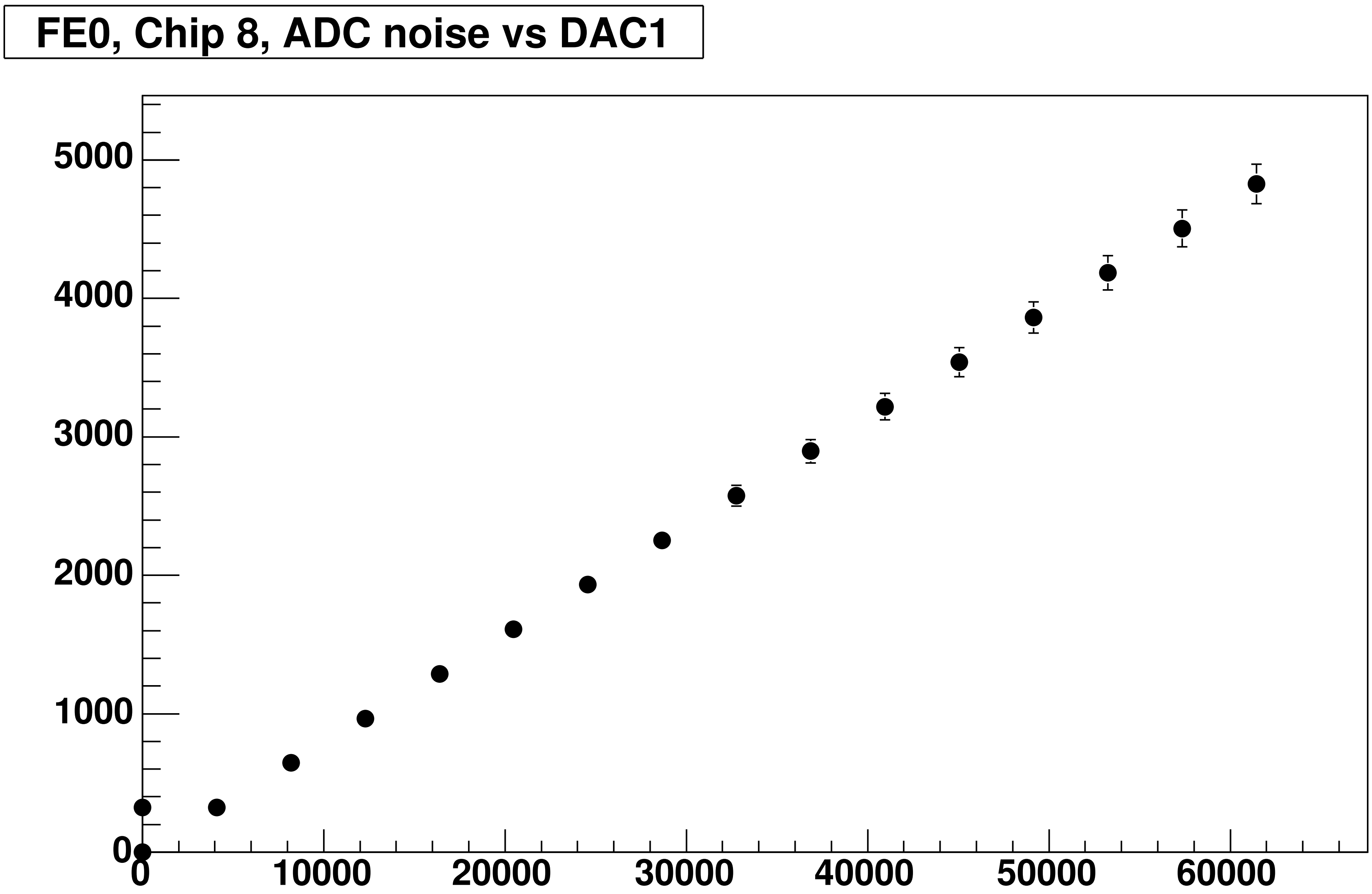


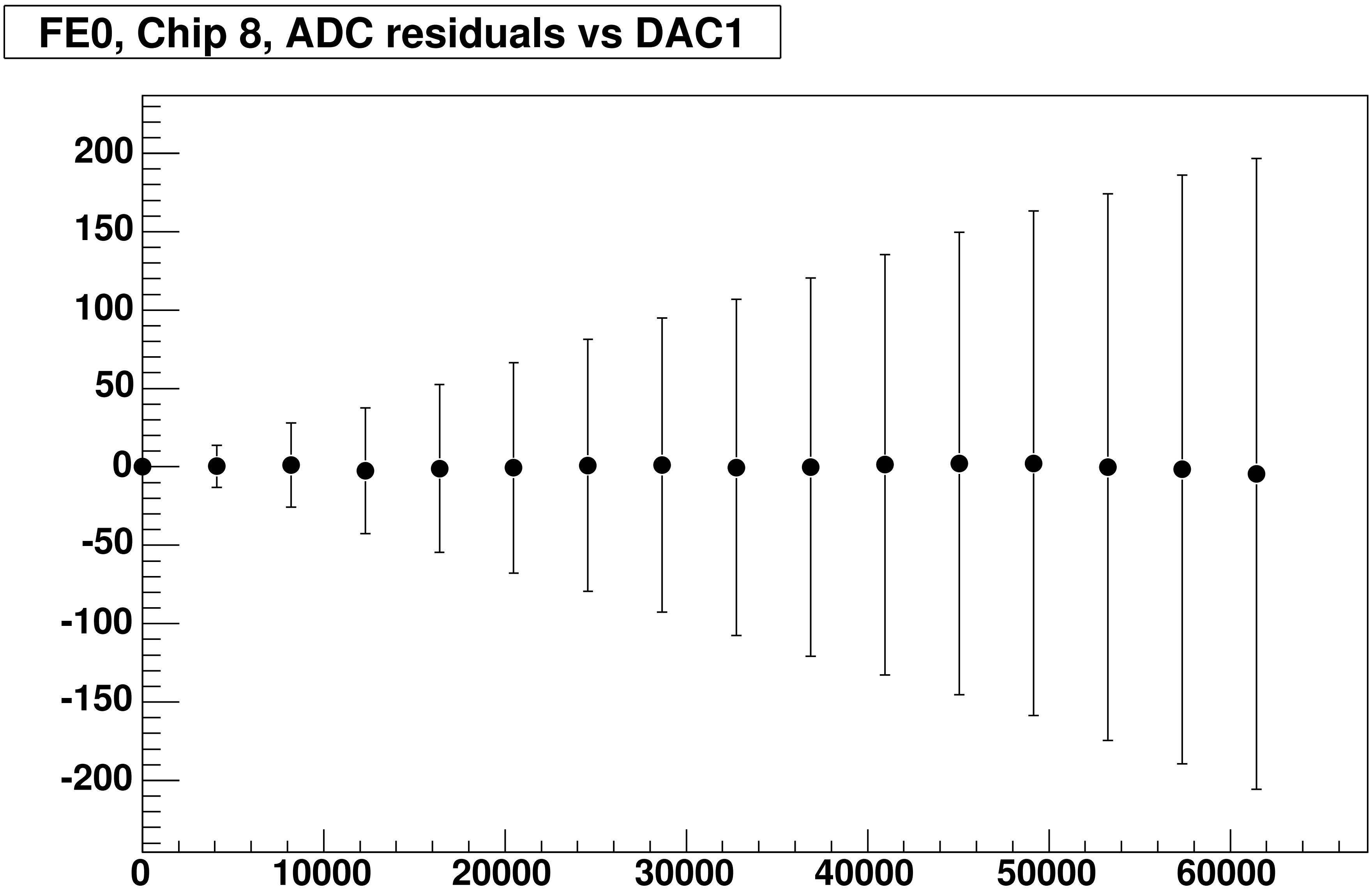
FE0, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

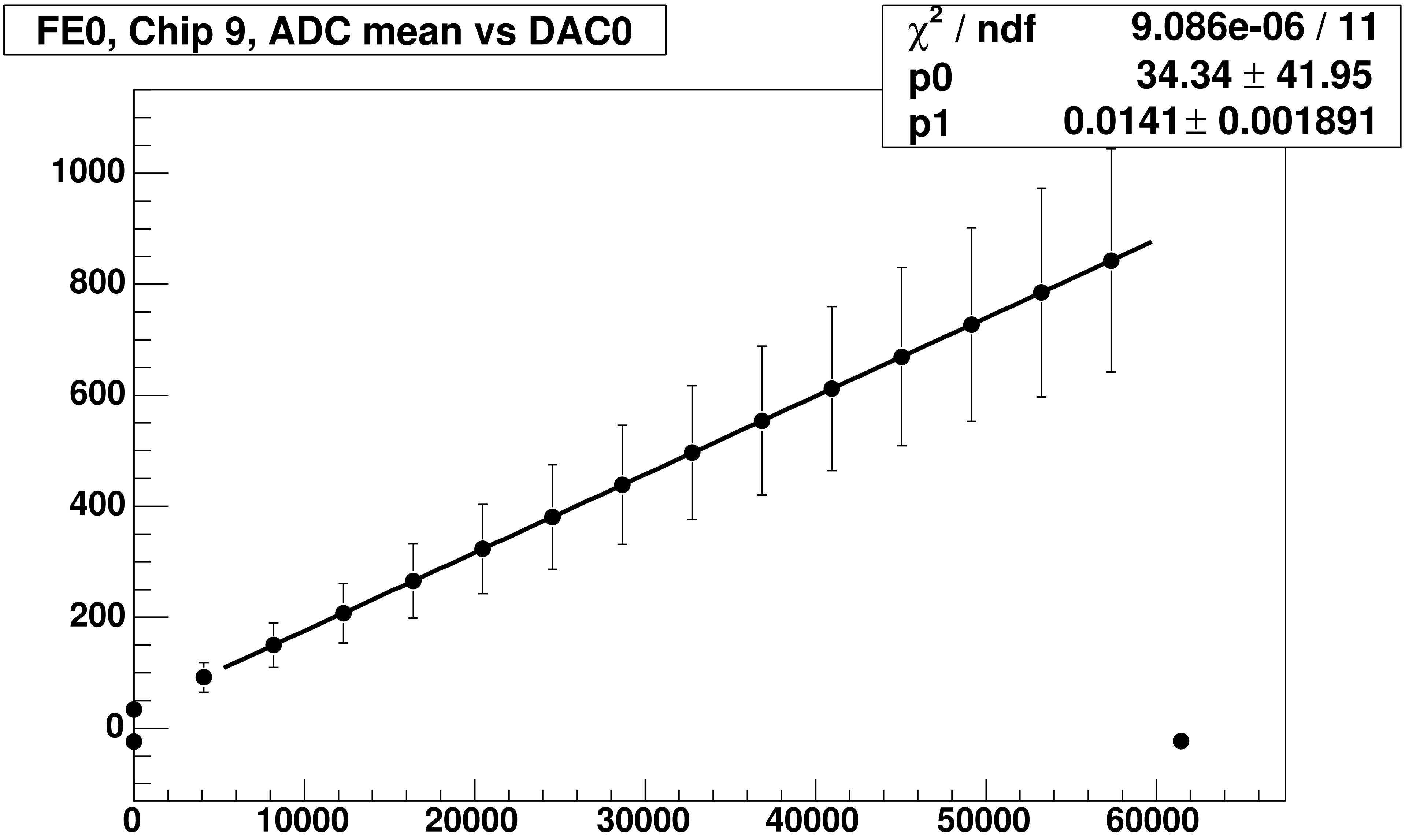

FE0, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



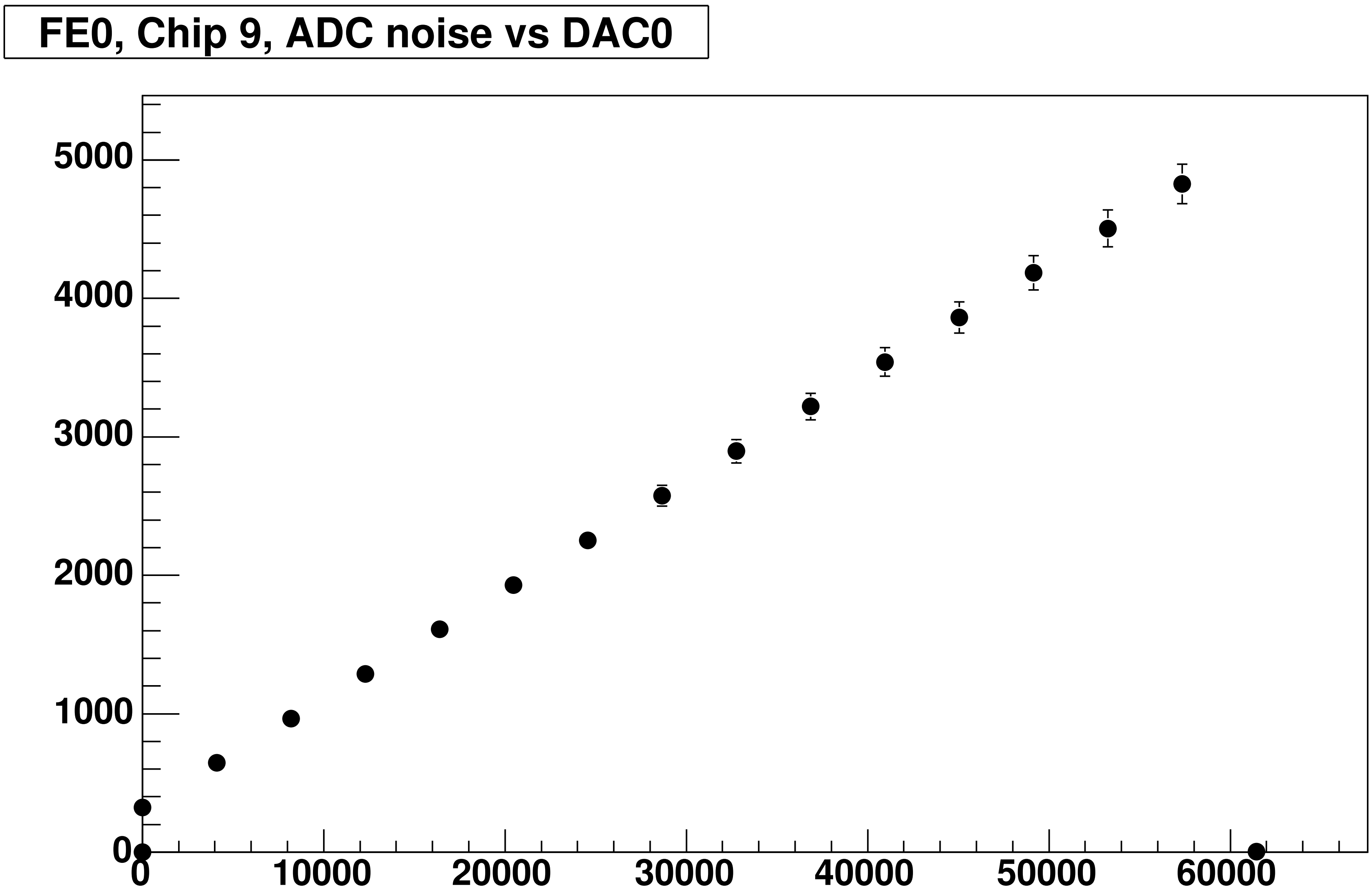
FE0, Chip 8, ADC mean vs DAC1
χ2 / ndf 0.007131 / 11
p0 -27.08 ± 31.09
p1 0.4371 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

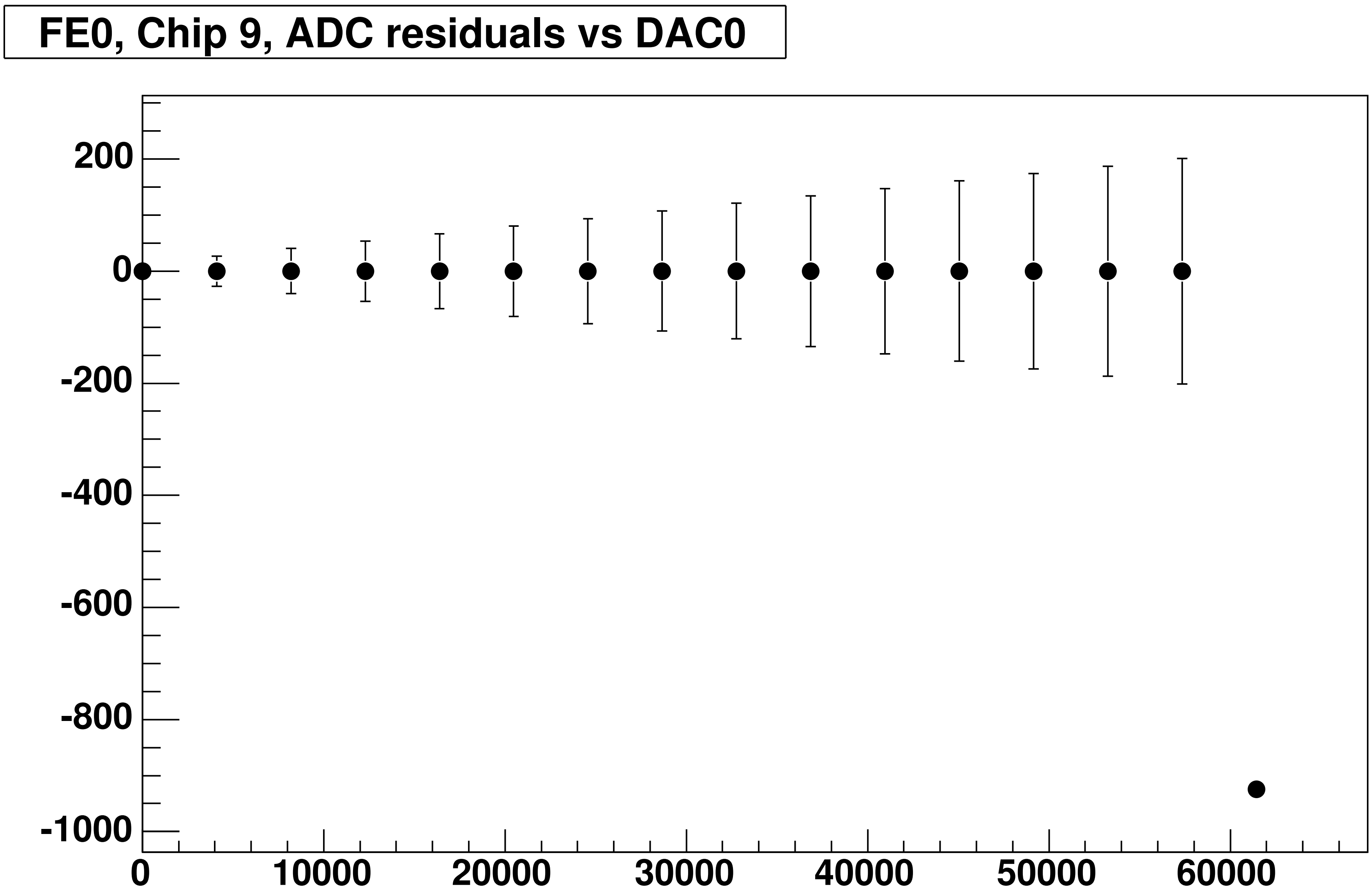

FE0, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

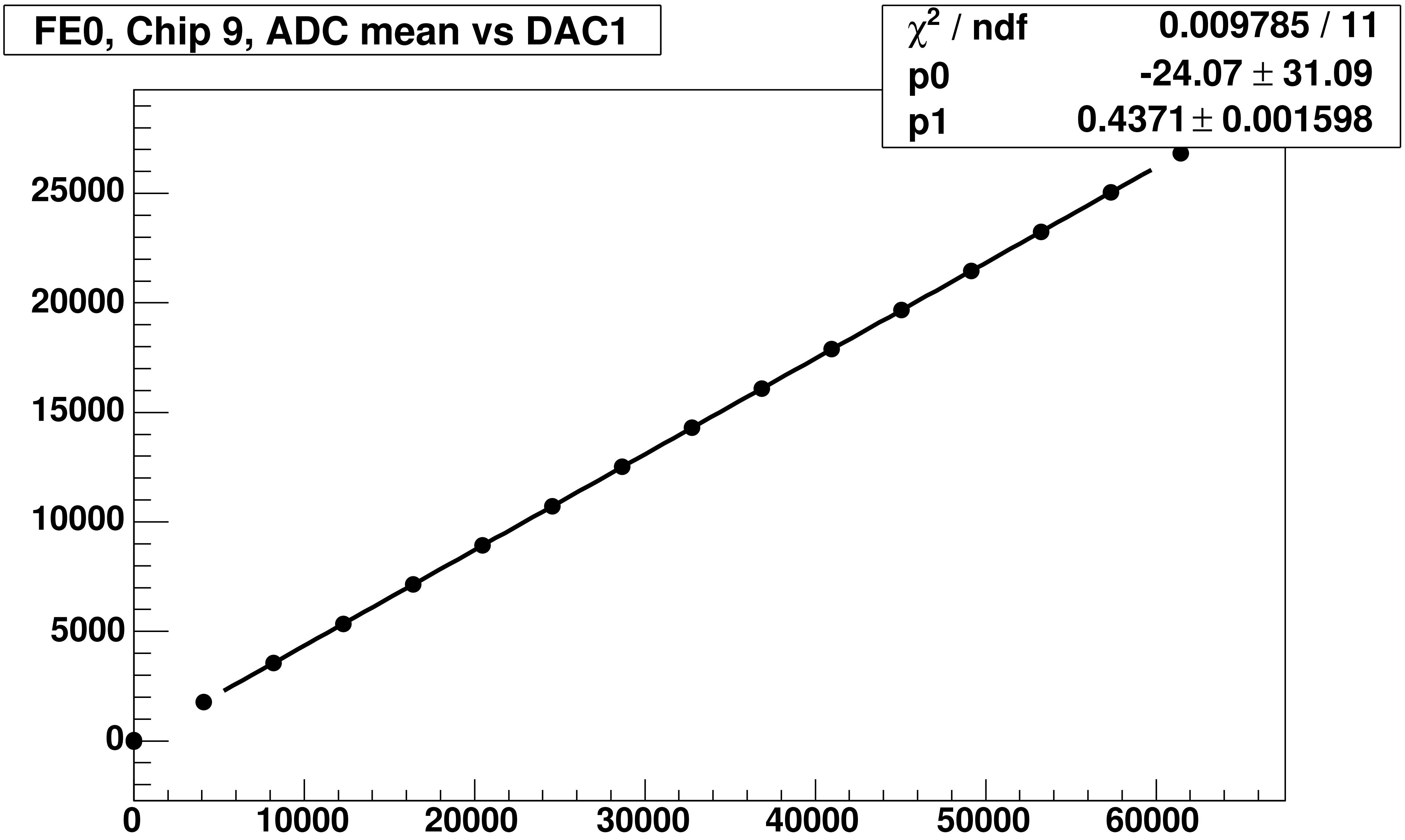

FE0, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

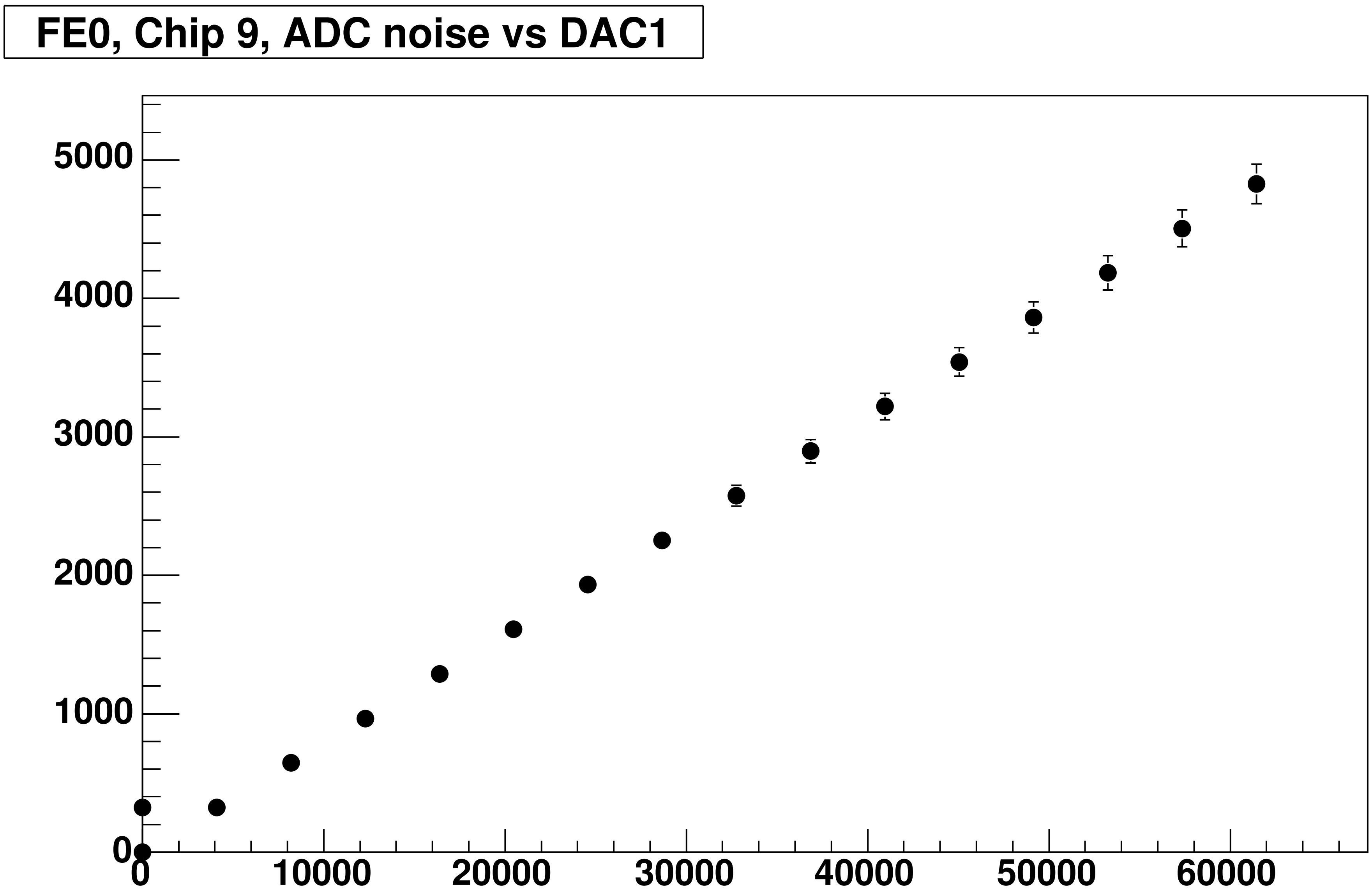


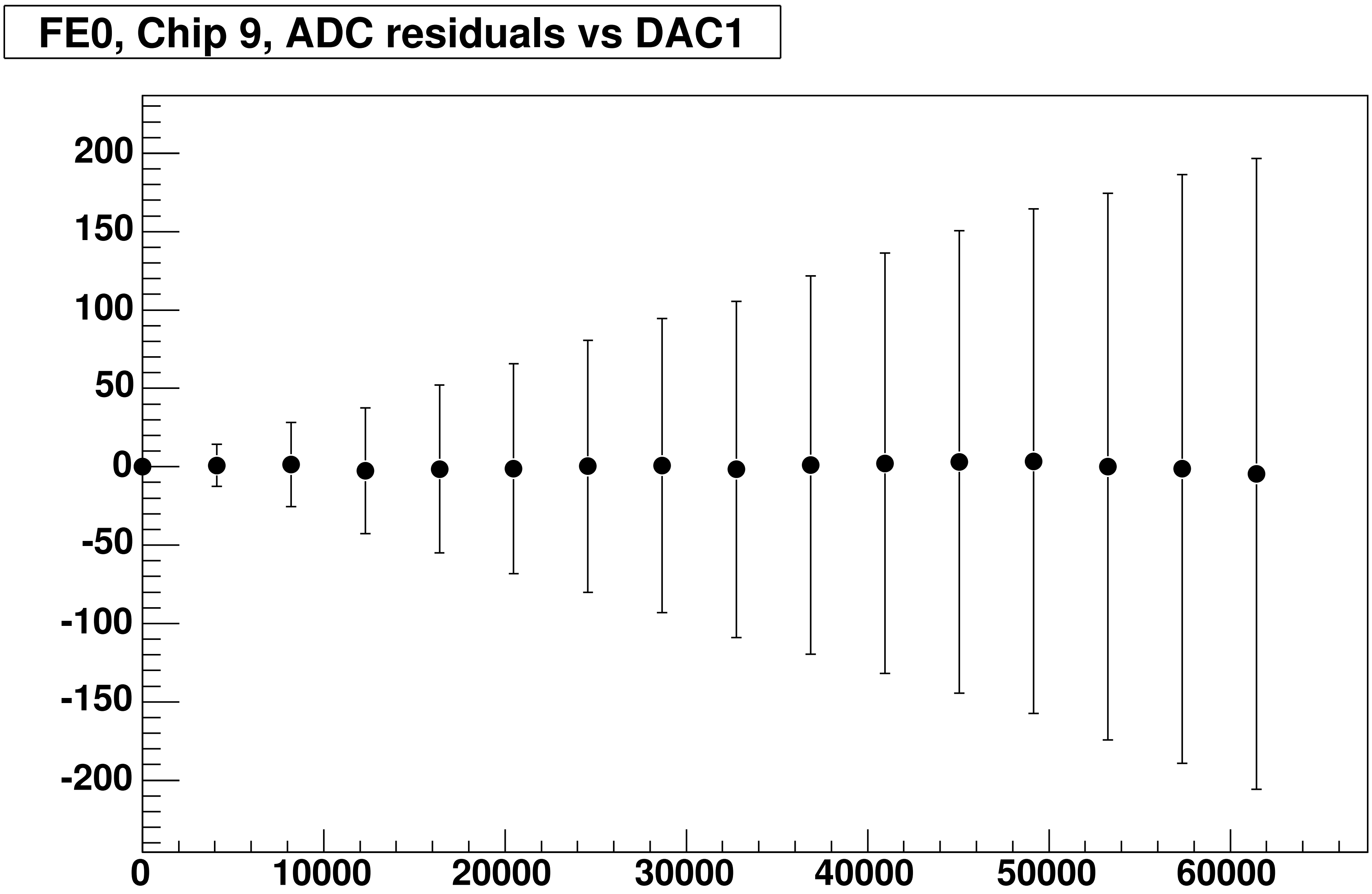
FE0, Chip 9, ADC mean vs DAC0
χ² / ndf 9.086e-06 / 11
p0 34.34 ± 41.95
p1 0.0141± 0.001891
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

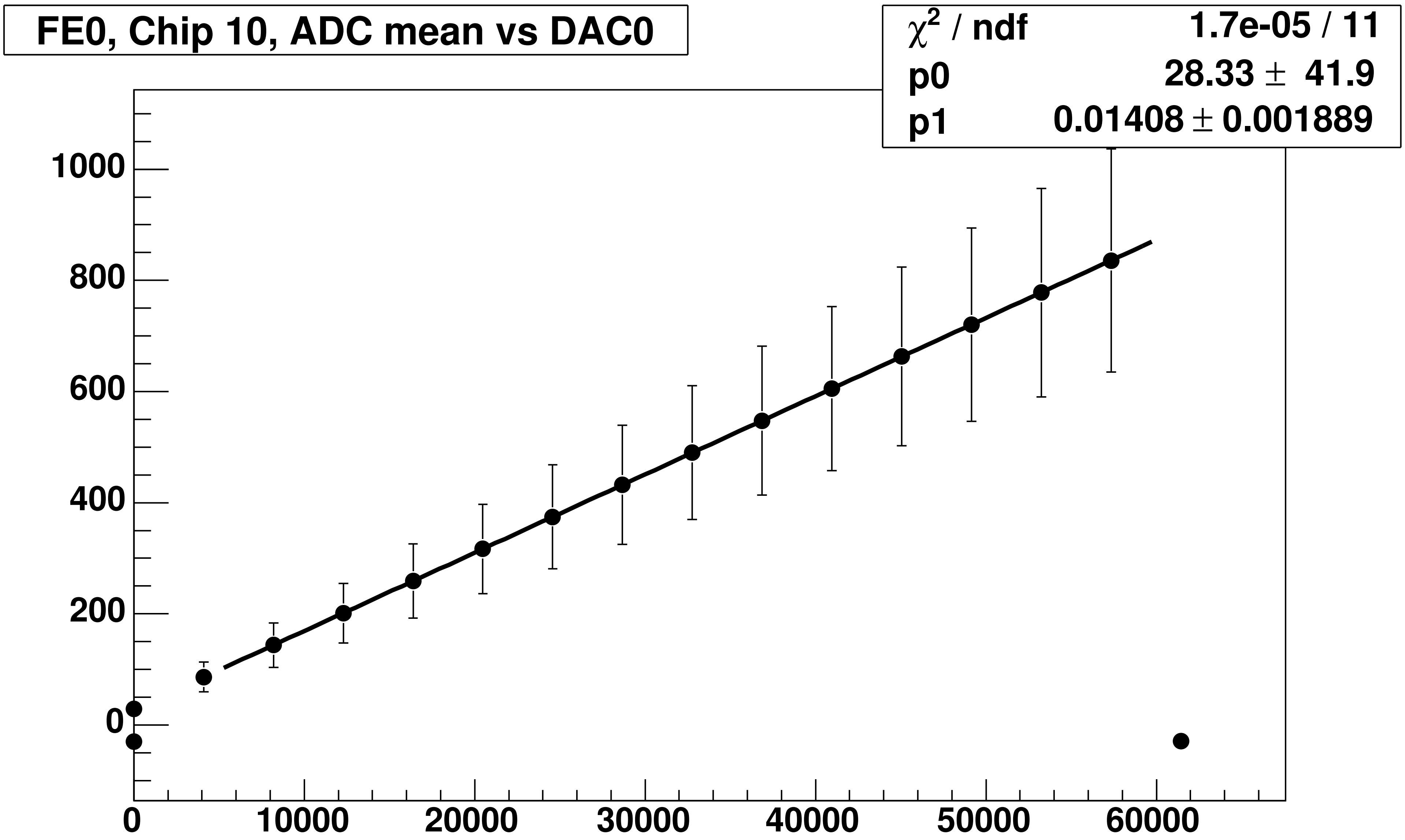

FE0, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

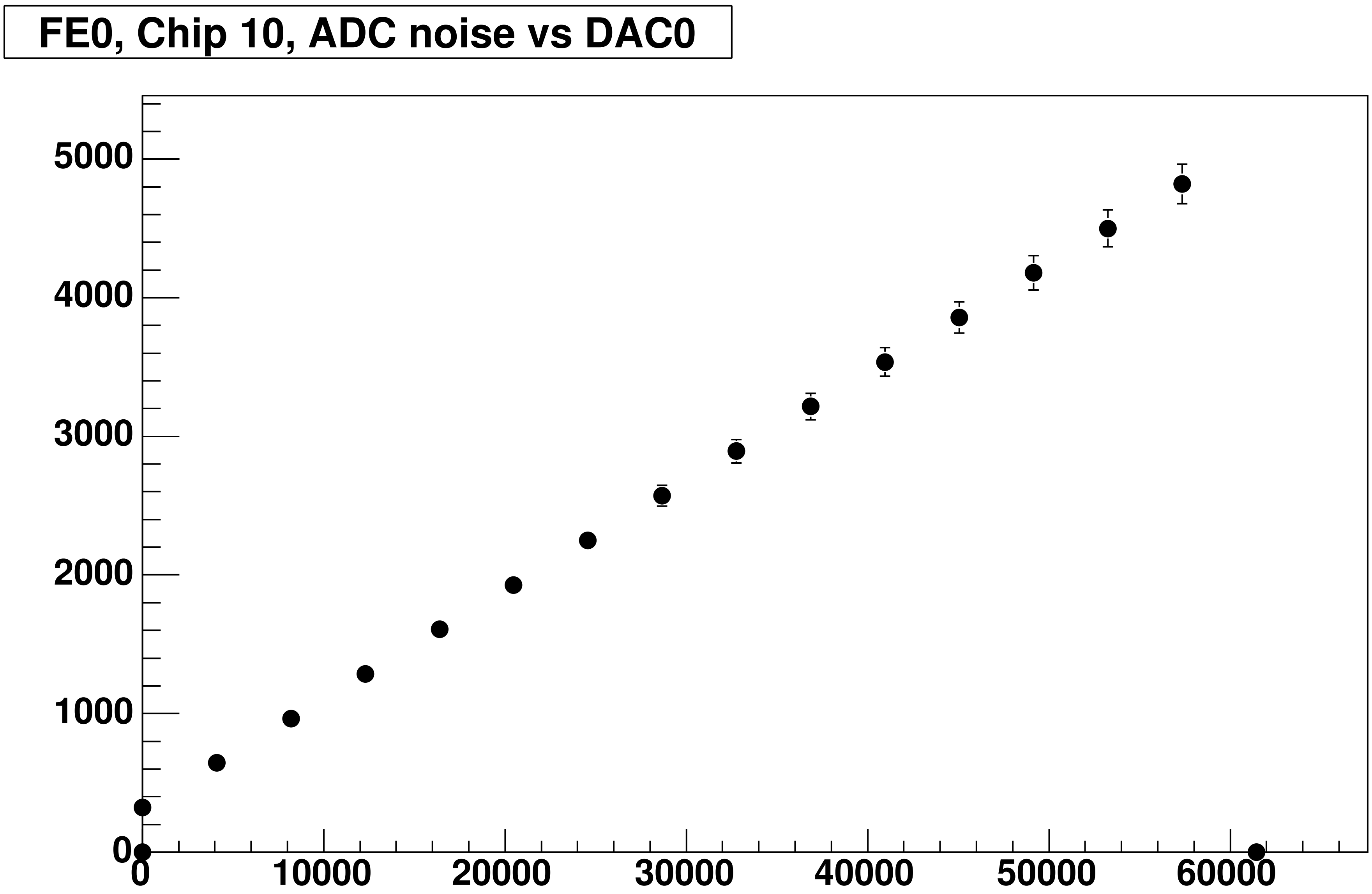

FE0, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

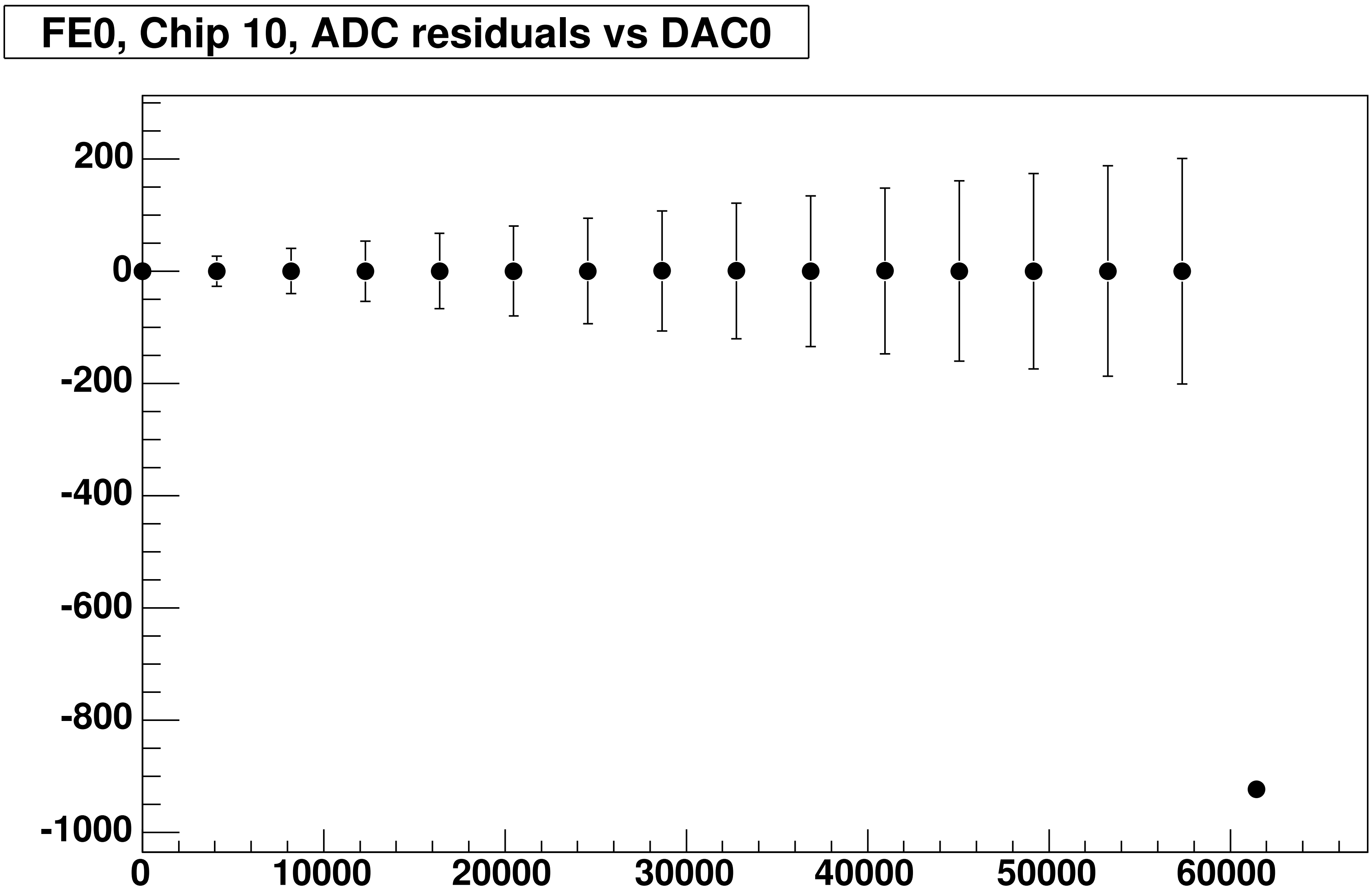

FE0, Chip 9, ADC mean vs DAC1
$\chi^2$ / ndf 0.009785 / 11
p0 -24.07 ± 31.09
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

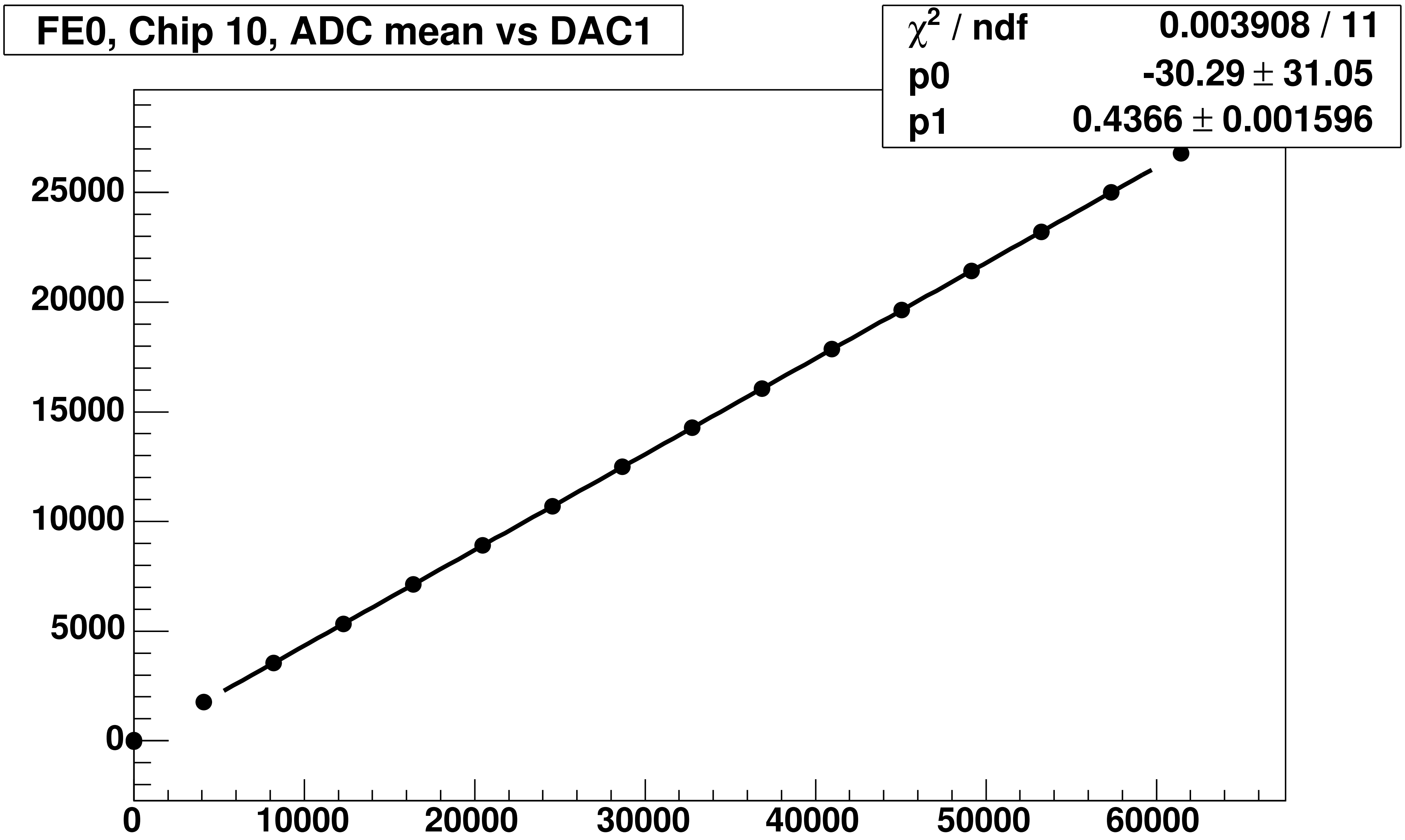

FE0, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

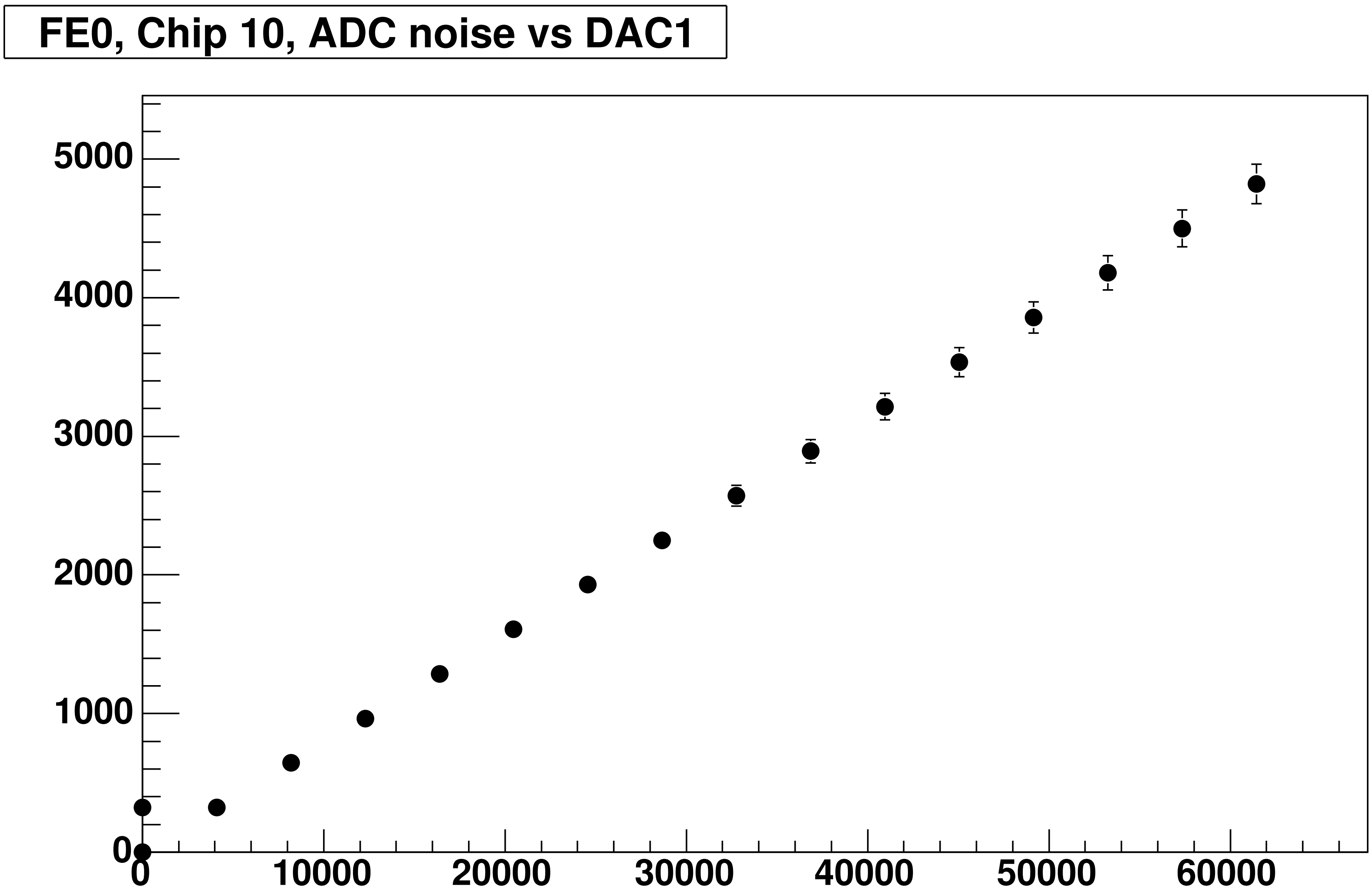

FE0, Chip 10, ADC mean vs DAC0
$\chi^2$ / ndf 1.7e-05 / 11
p0 28.33 ± 41.9
p1 0.01408 ± 0.001889
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

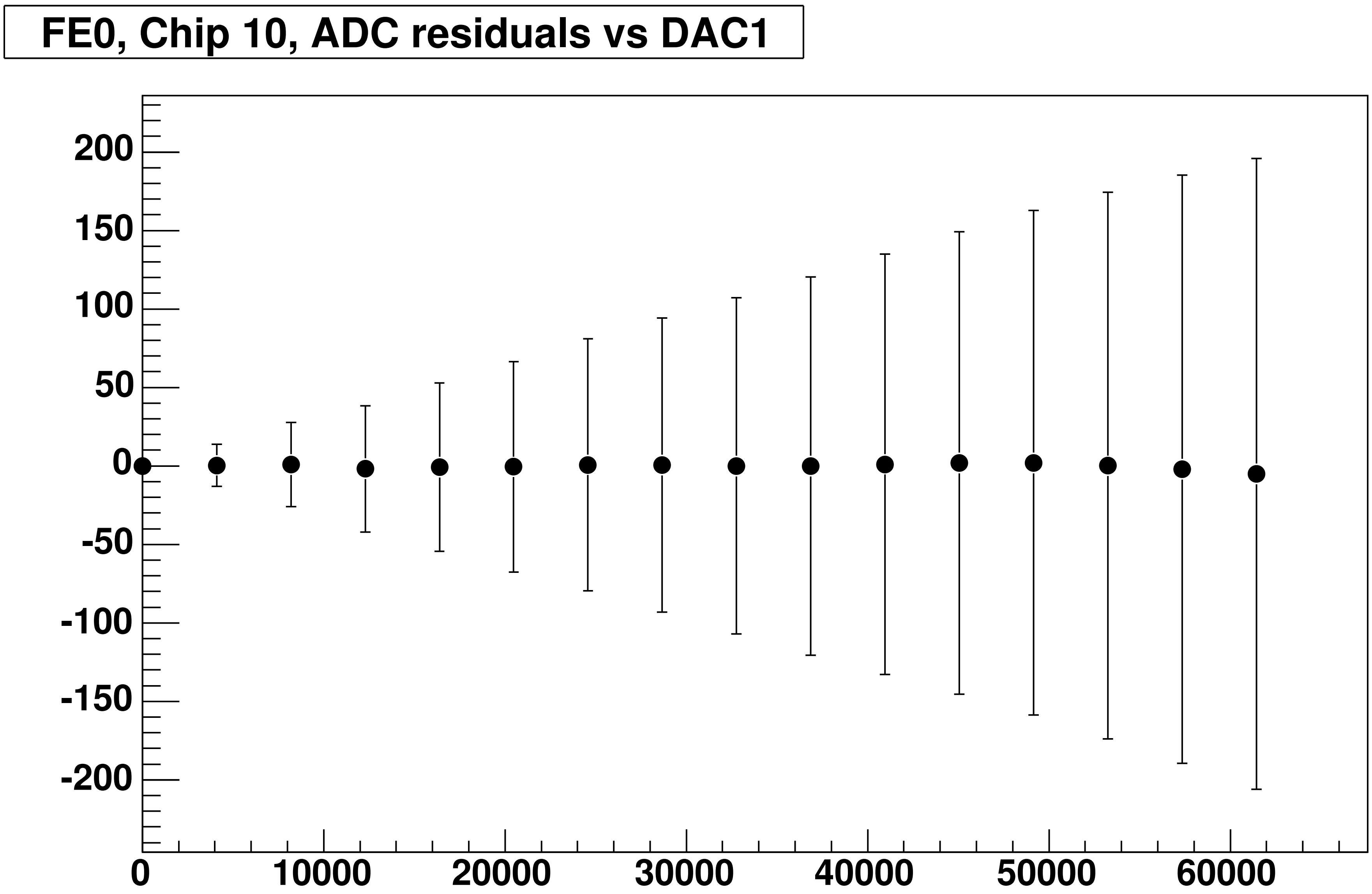

FE0, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

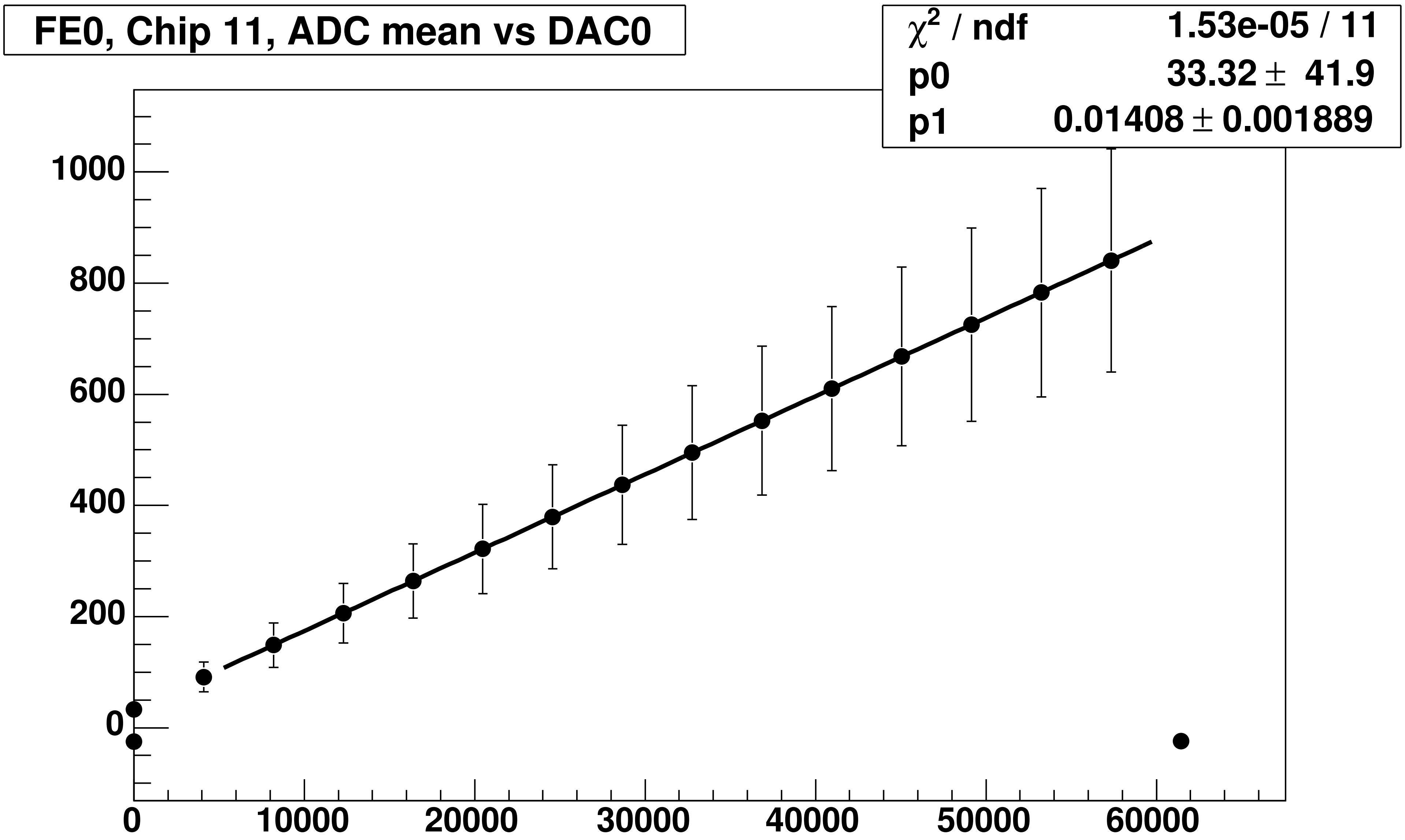

FE0, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



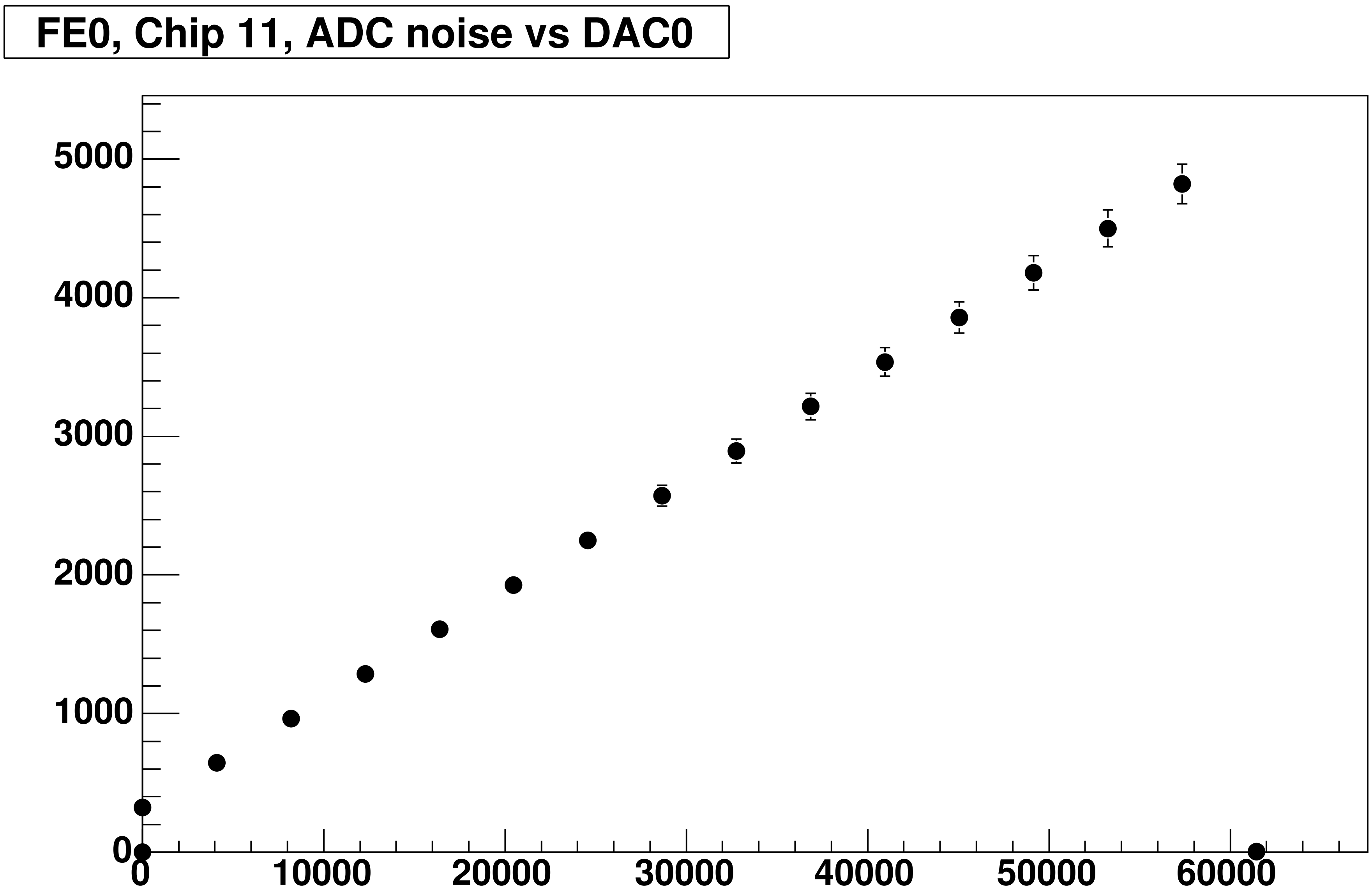
FE0, Chip 10, ADC mean vs DAC1
$\chi^2$ / ndf 0.003908 / 11
p0 -30.29 ± 31.05
p1 0.4366 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

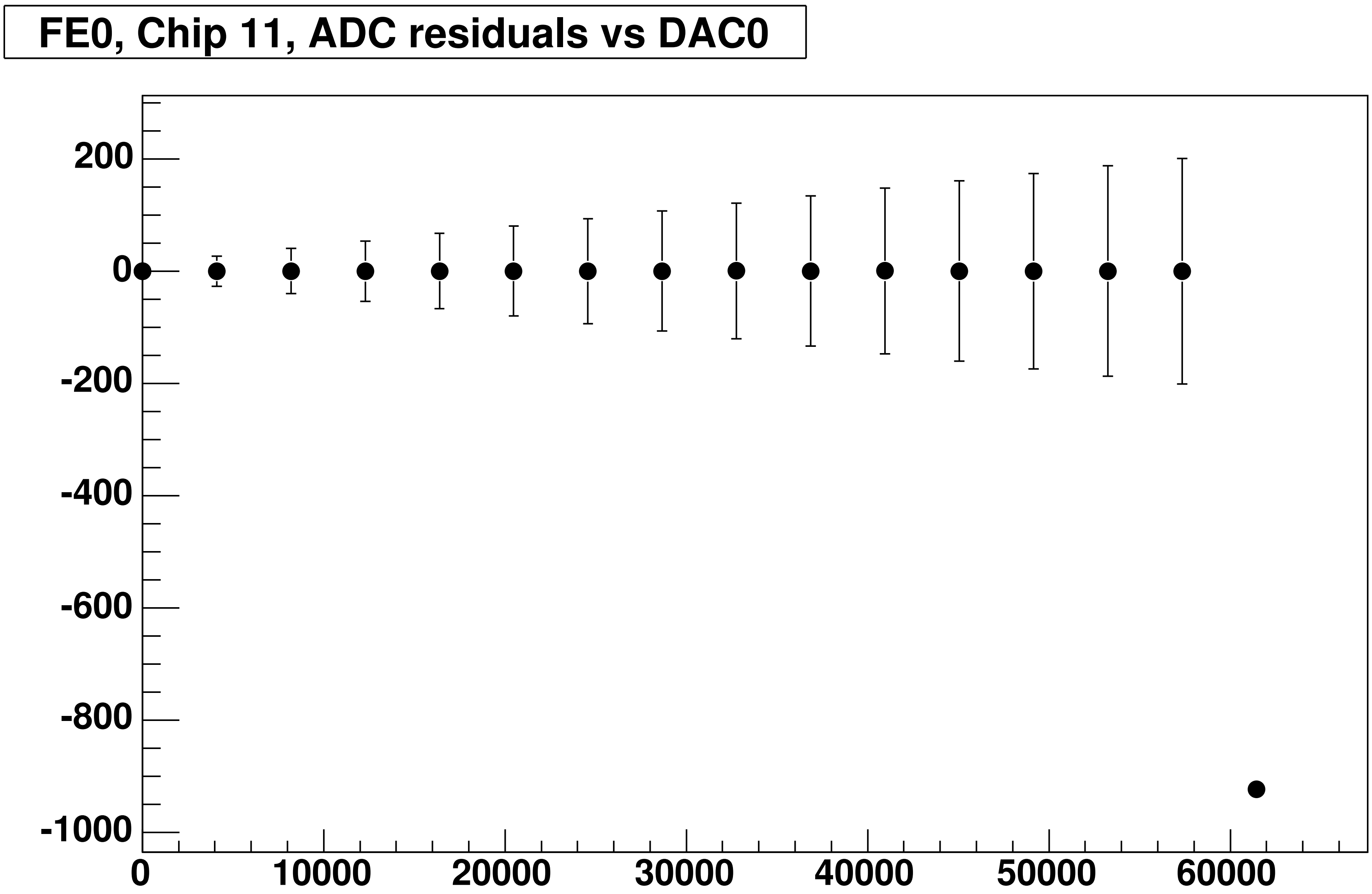

FE0, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

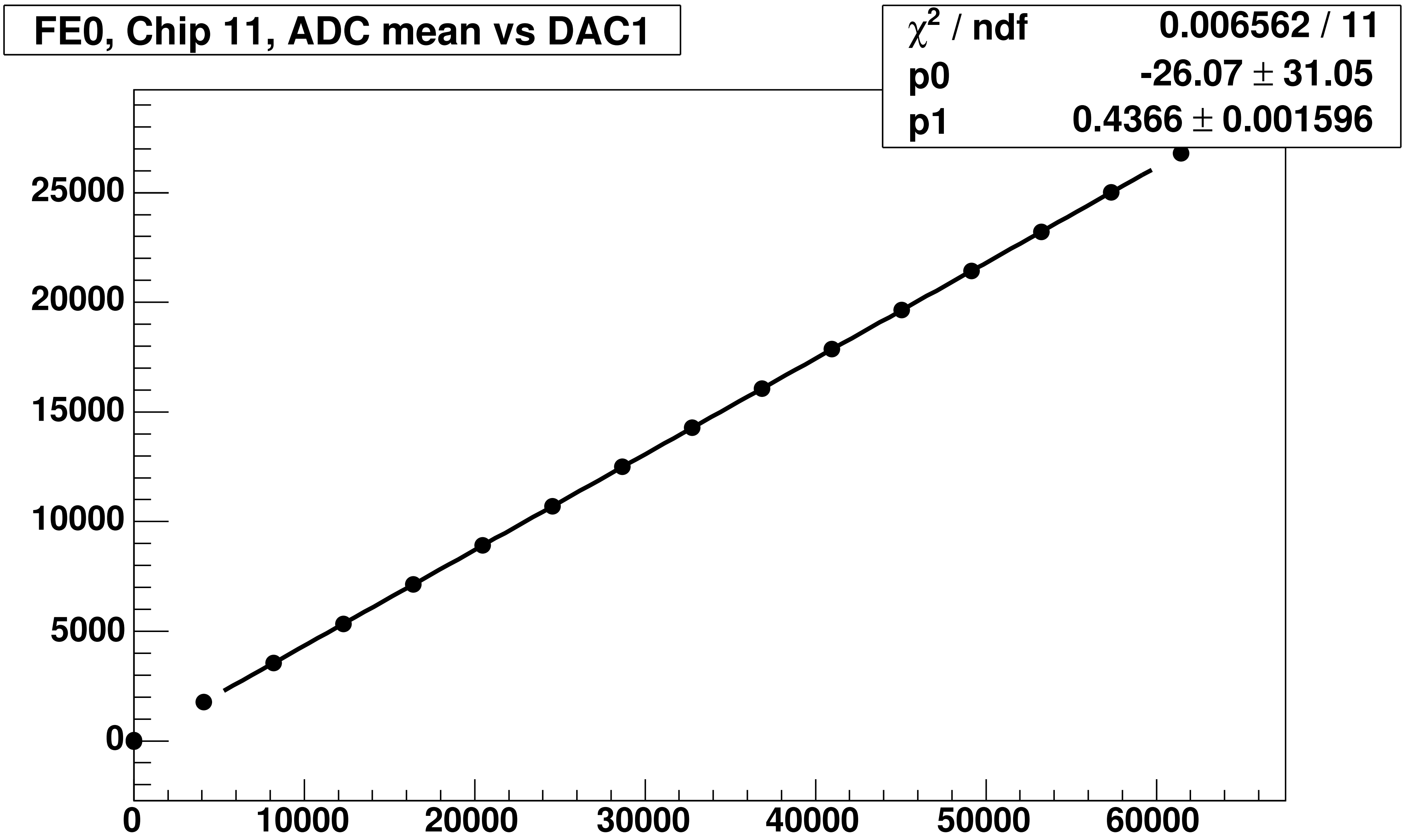

FE0, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

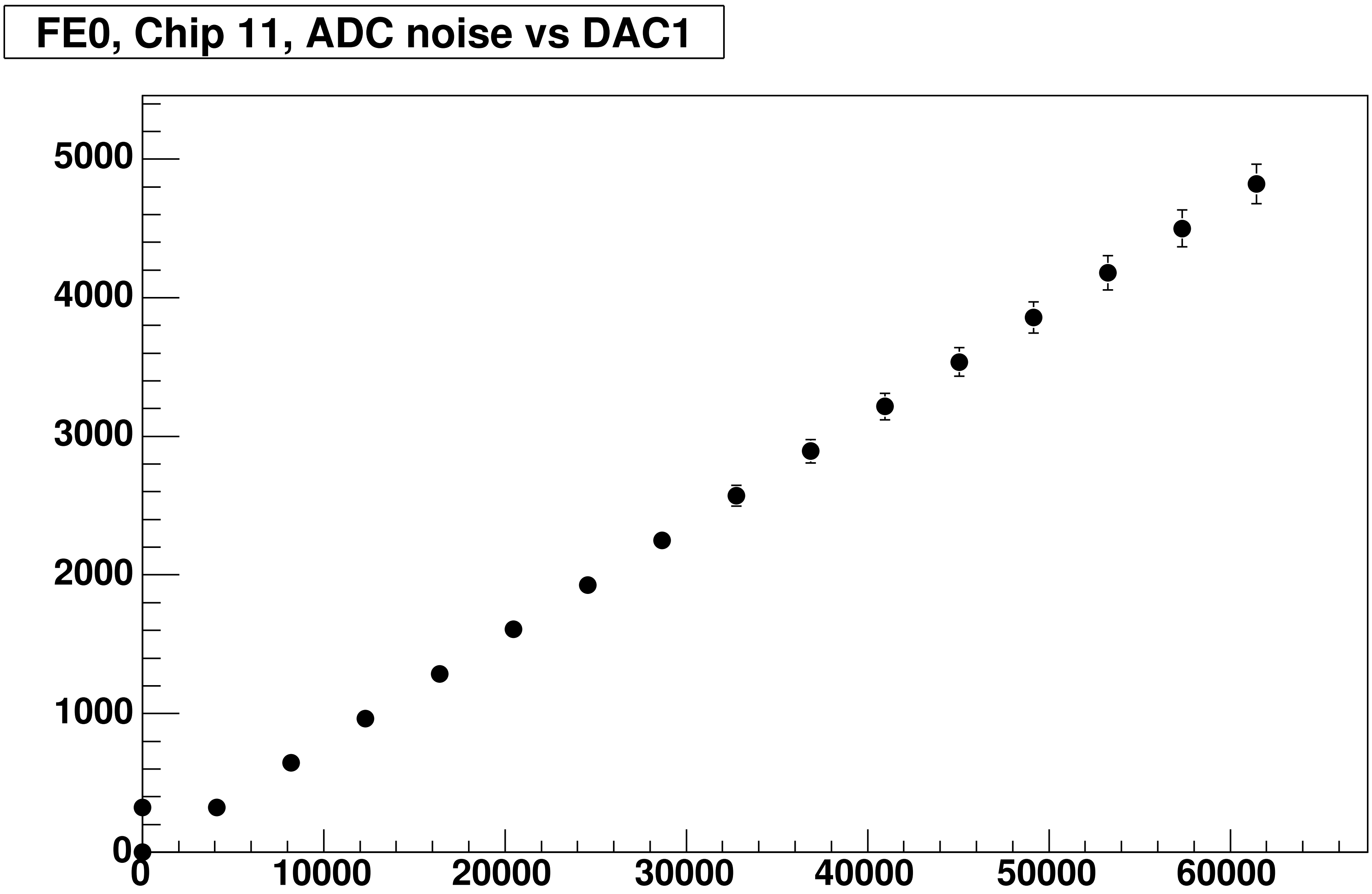


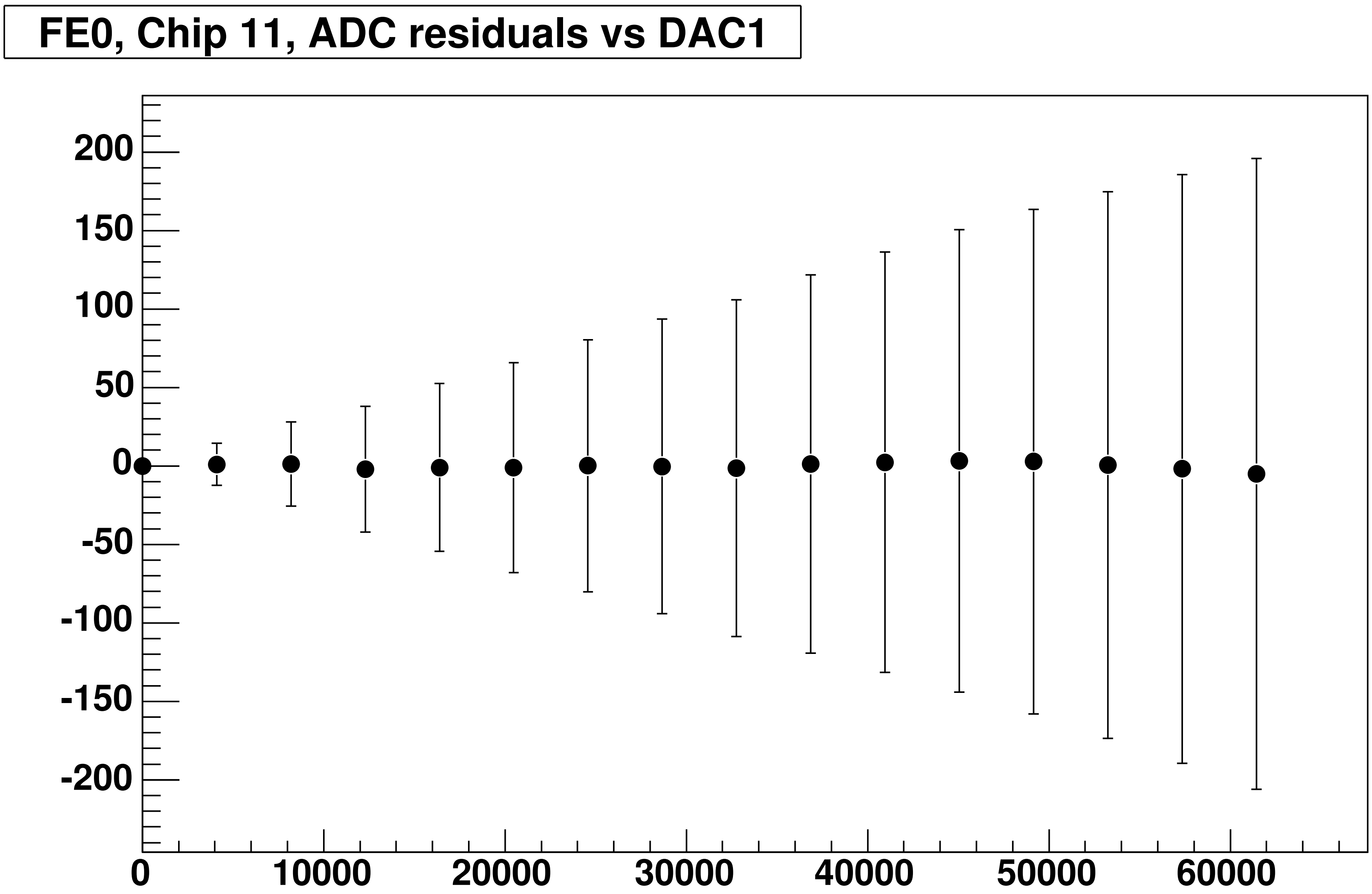
FE0, Chip 11, ADC mean vs DAC0
$\chi^2$ / ndf 1.53e-05 / 11
p0 33.32 ± 41.9
p1 0.01408 ± 0.001889
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

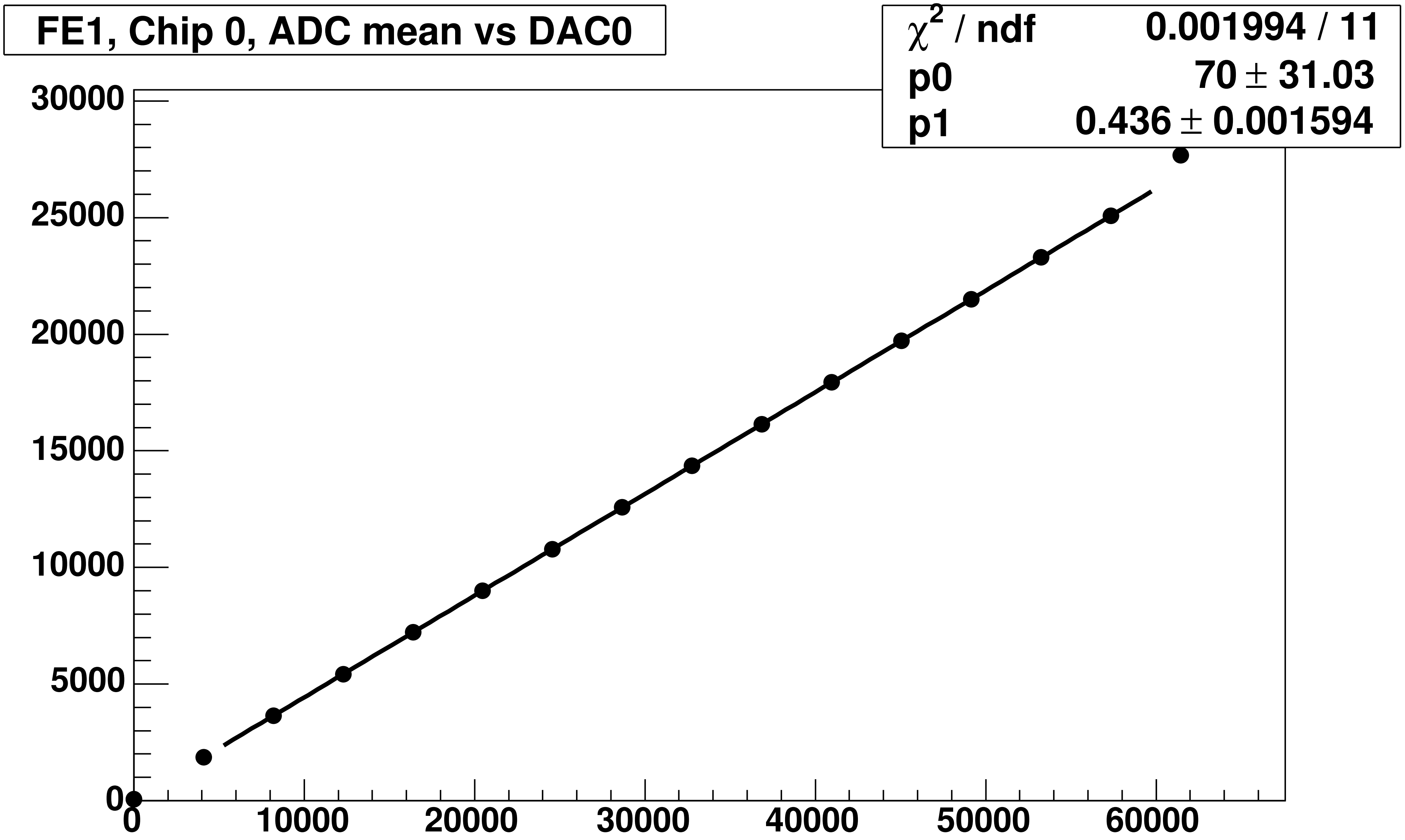

FE0, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

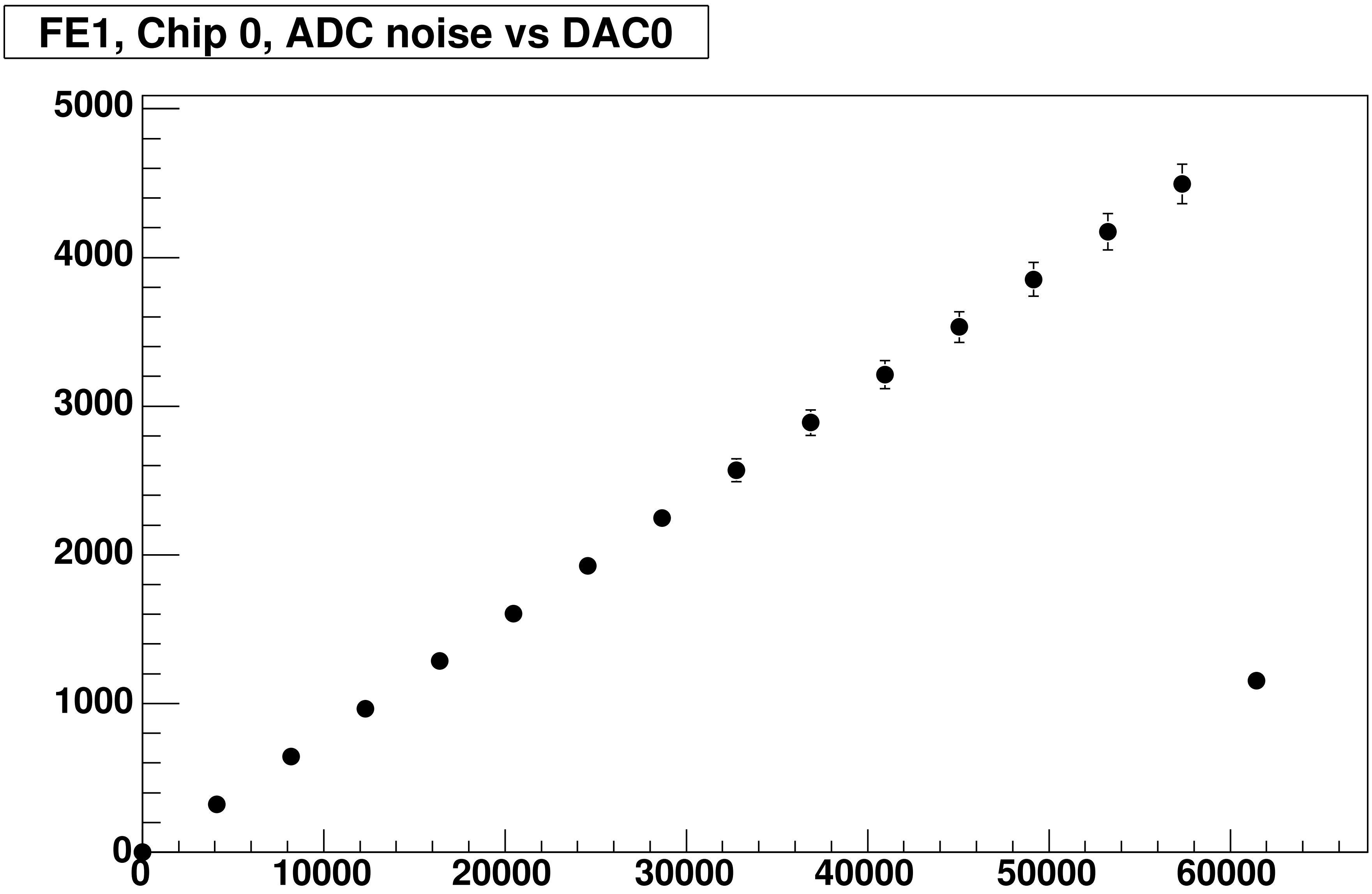

FE0, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

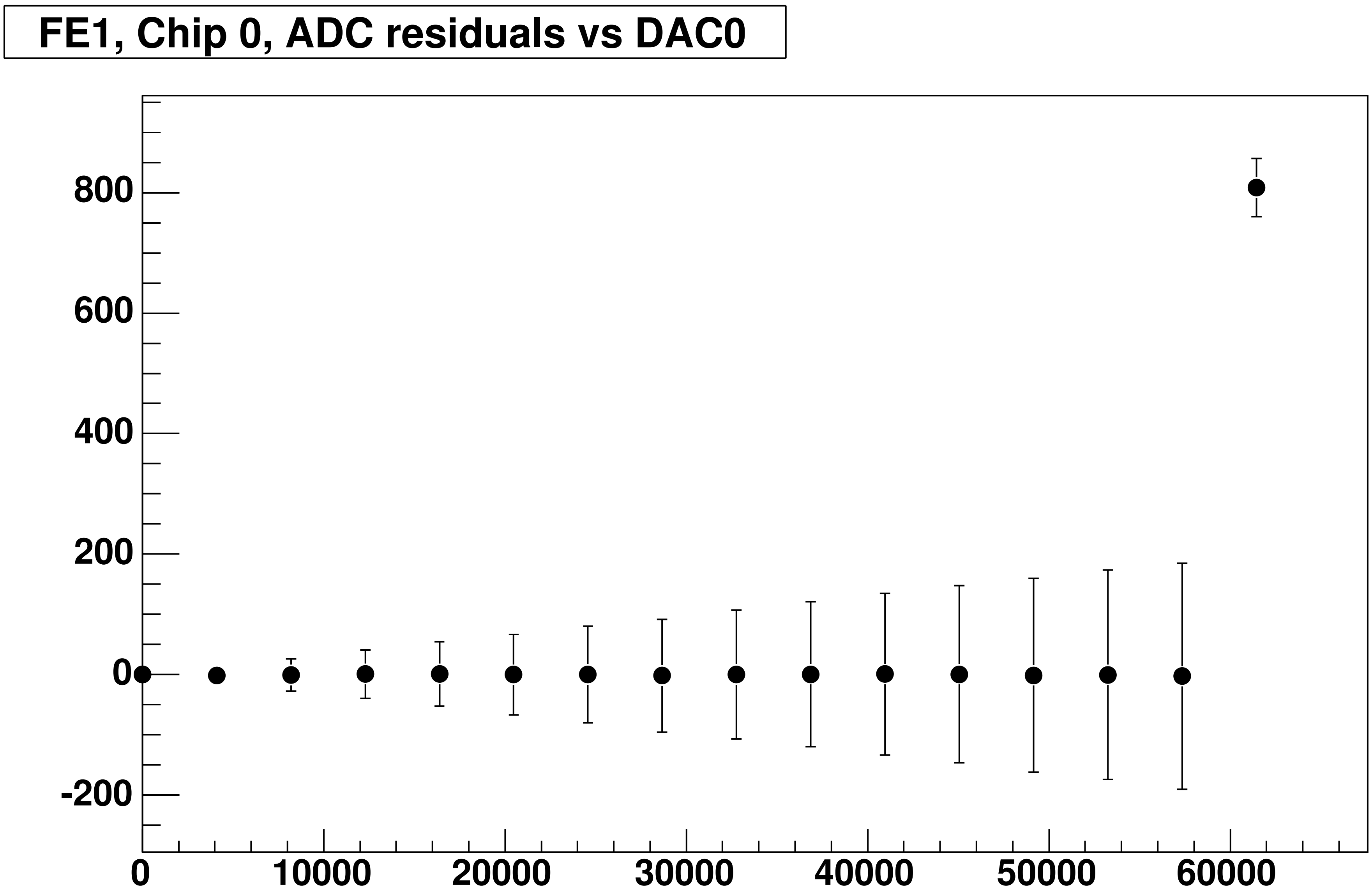

FE0, Chip 11, ADC mean vs DAC1
$\chi^2$ / ndf 0.006562 / 11
p0 -26.07 ± 31.05
p1 0.4366 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

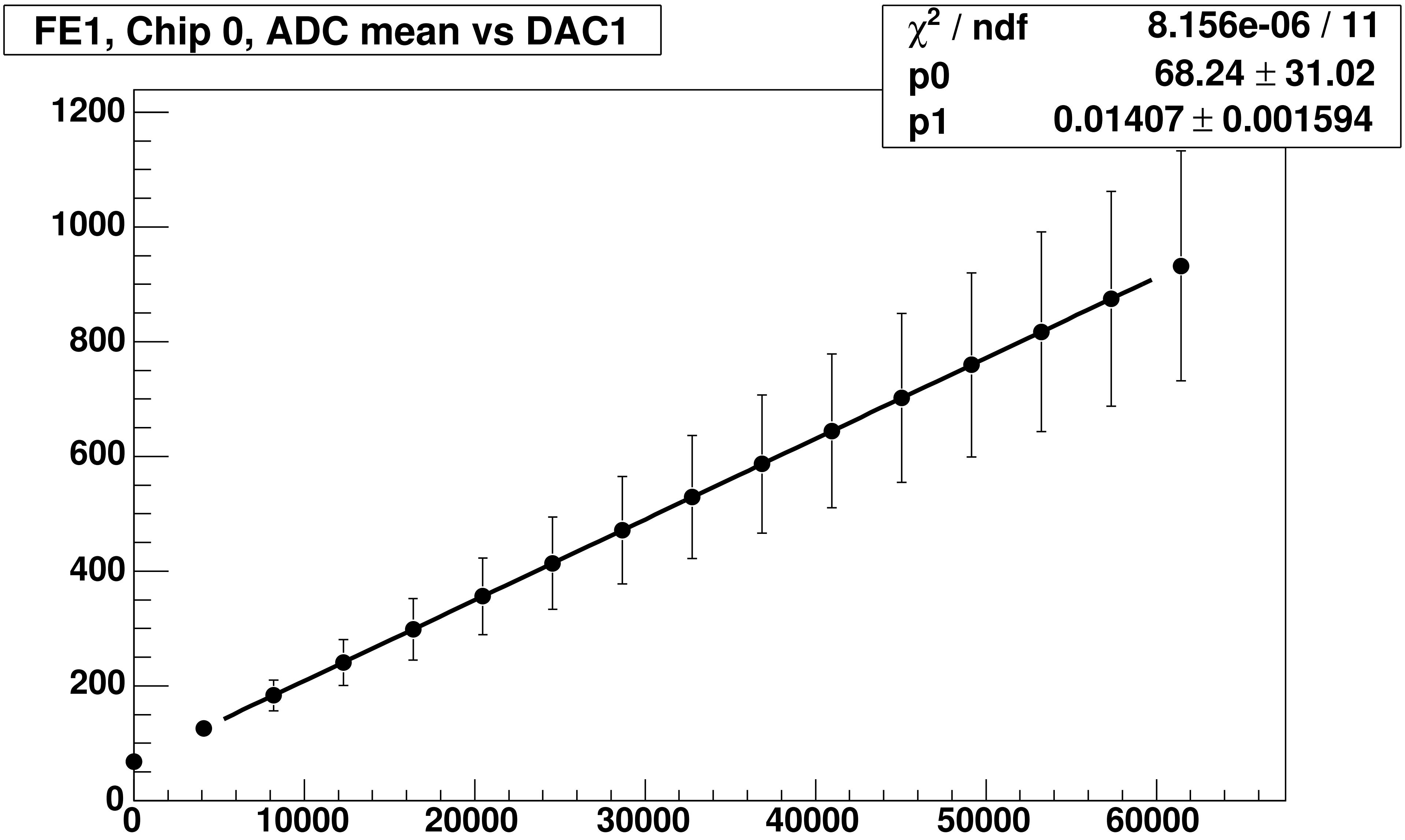

FE0, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

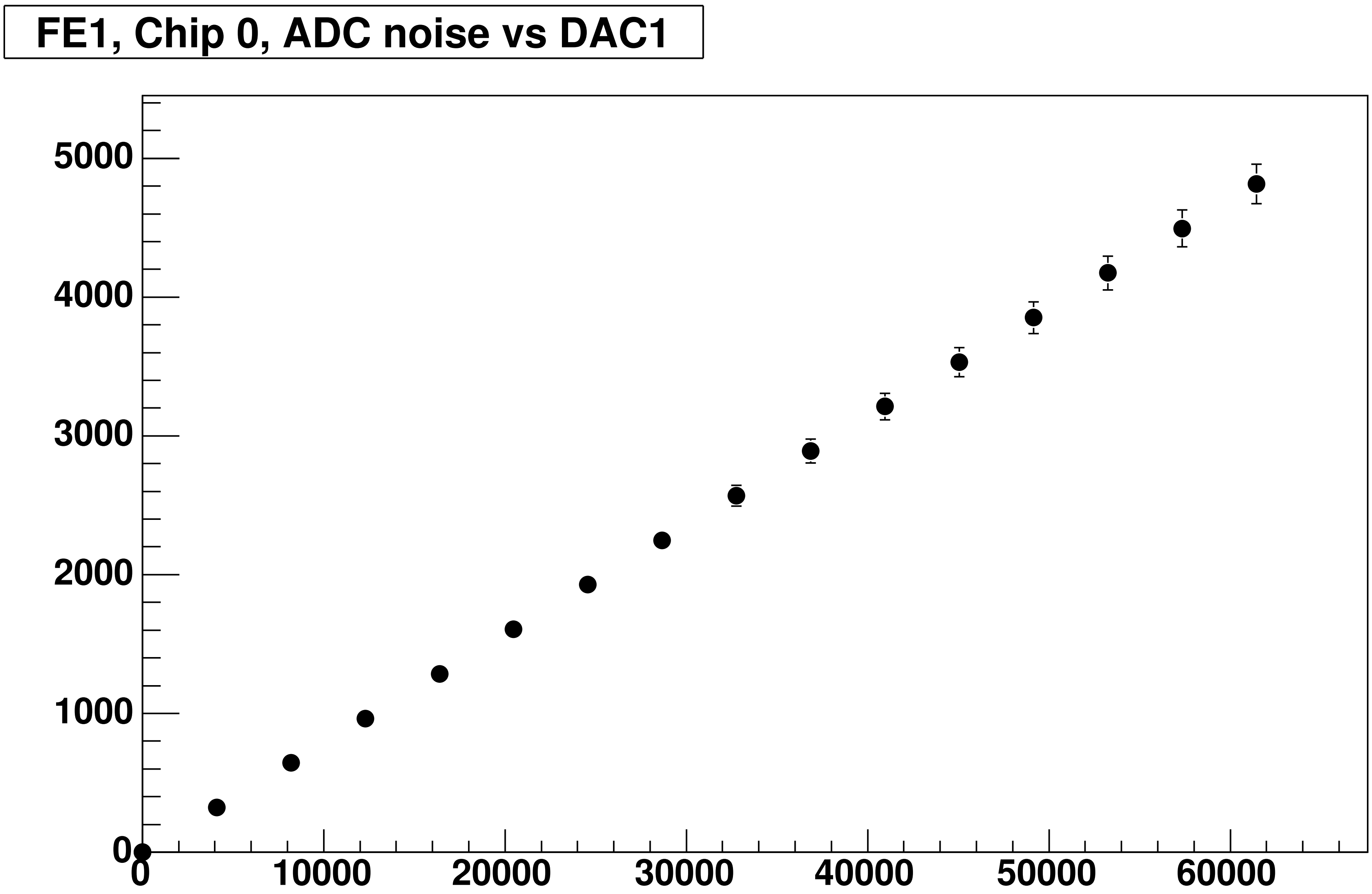

FE0, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

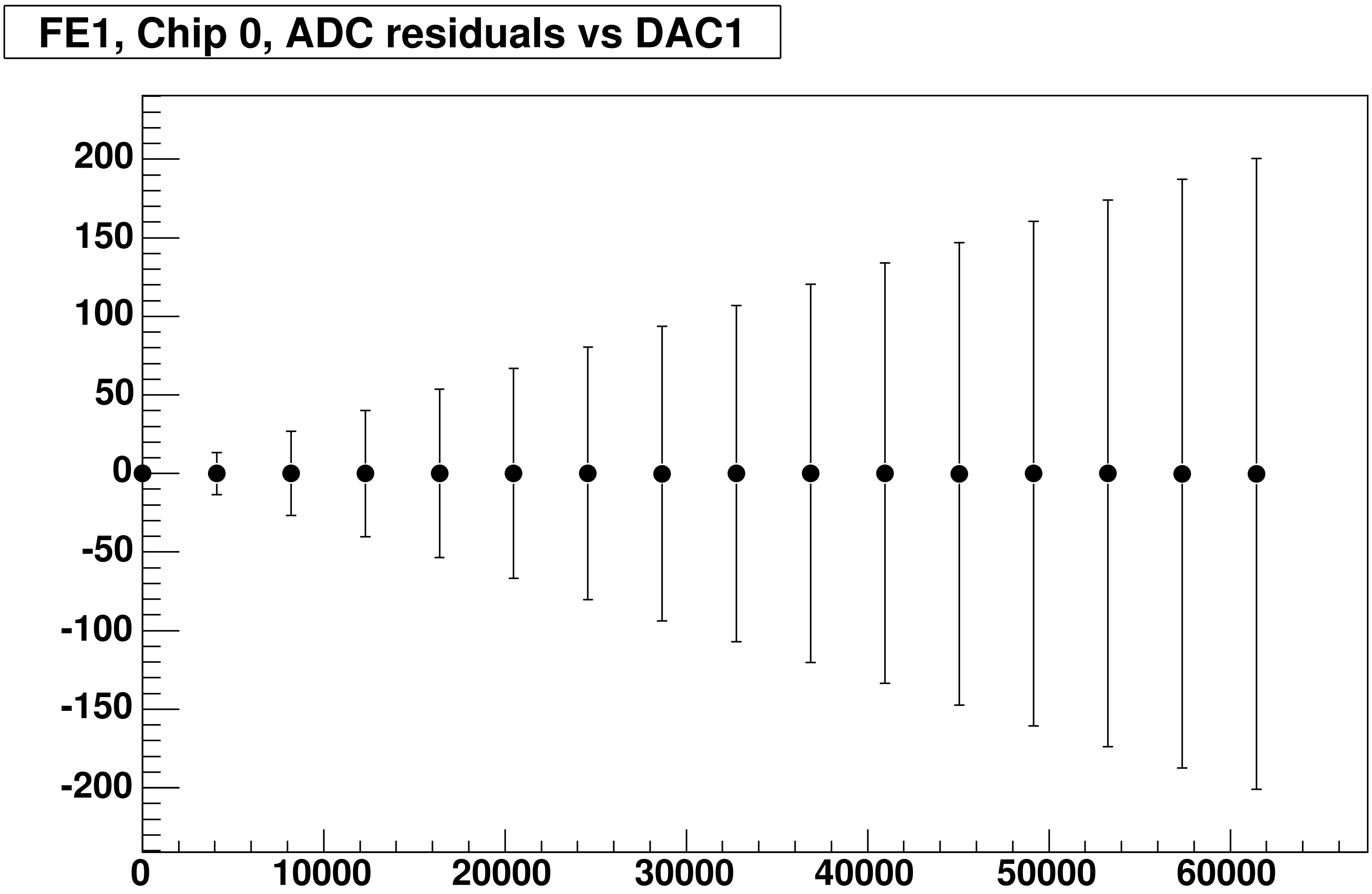

FE1, Chip 0, ADC mean vs DAC0
$\chi^2$ / ndf 0.001994 / 11
p0 70 ± 31.03
p1 0.436 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

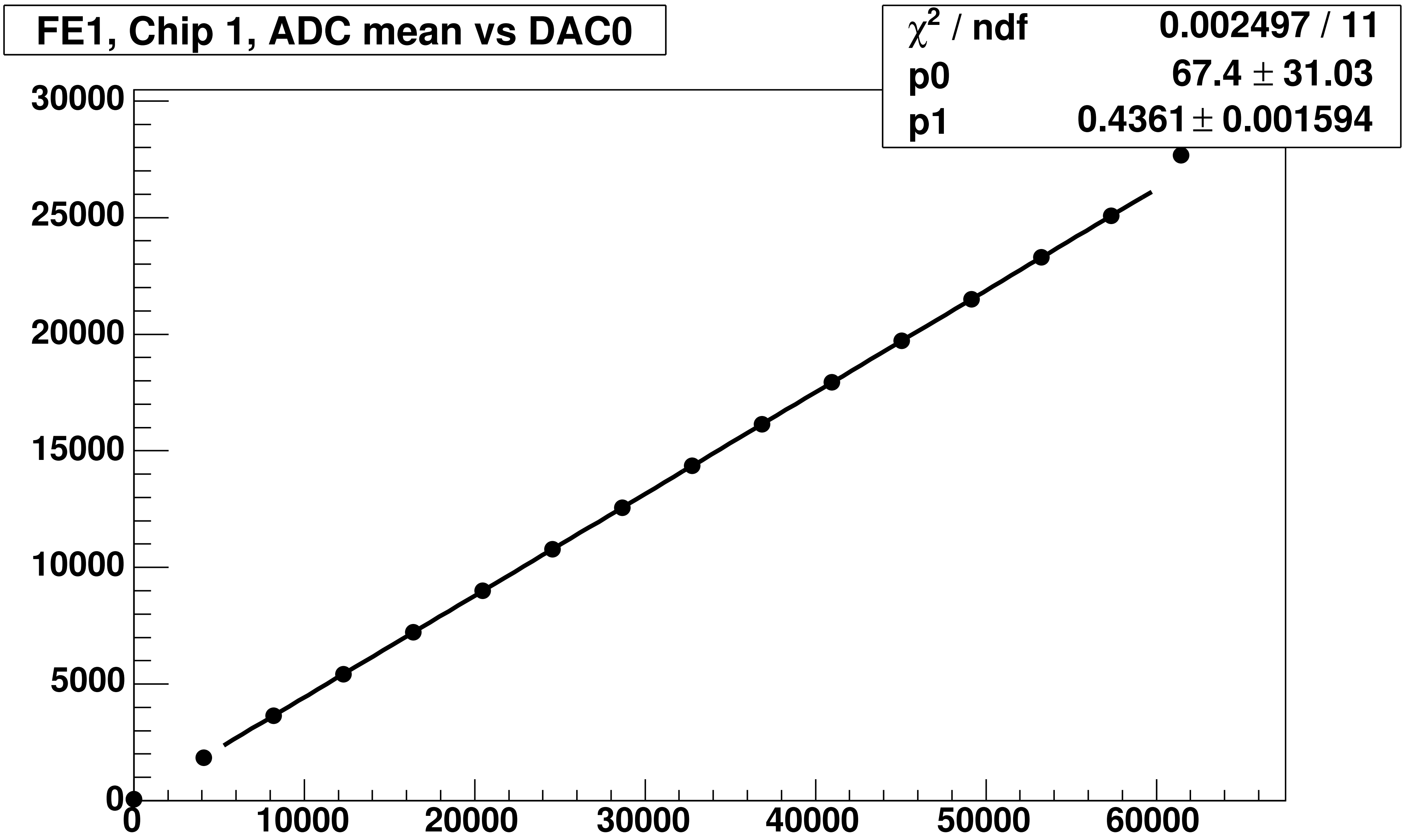

FE1, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

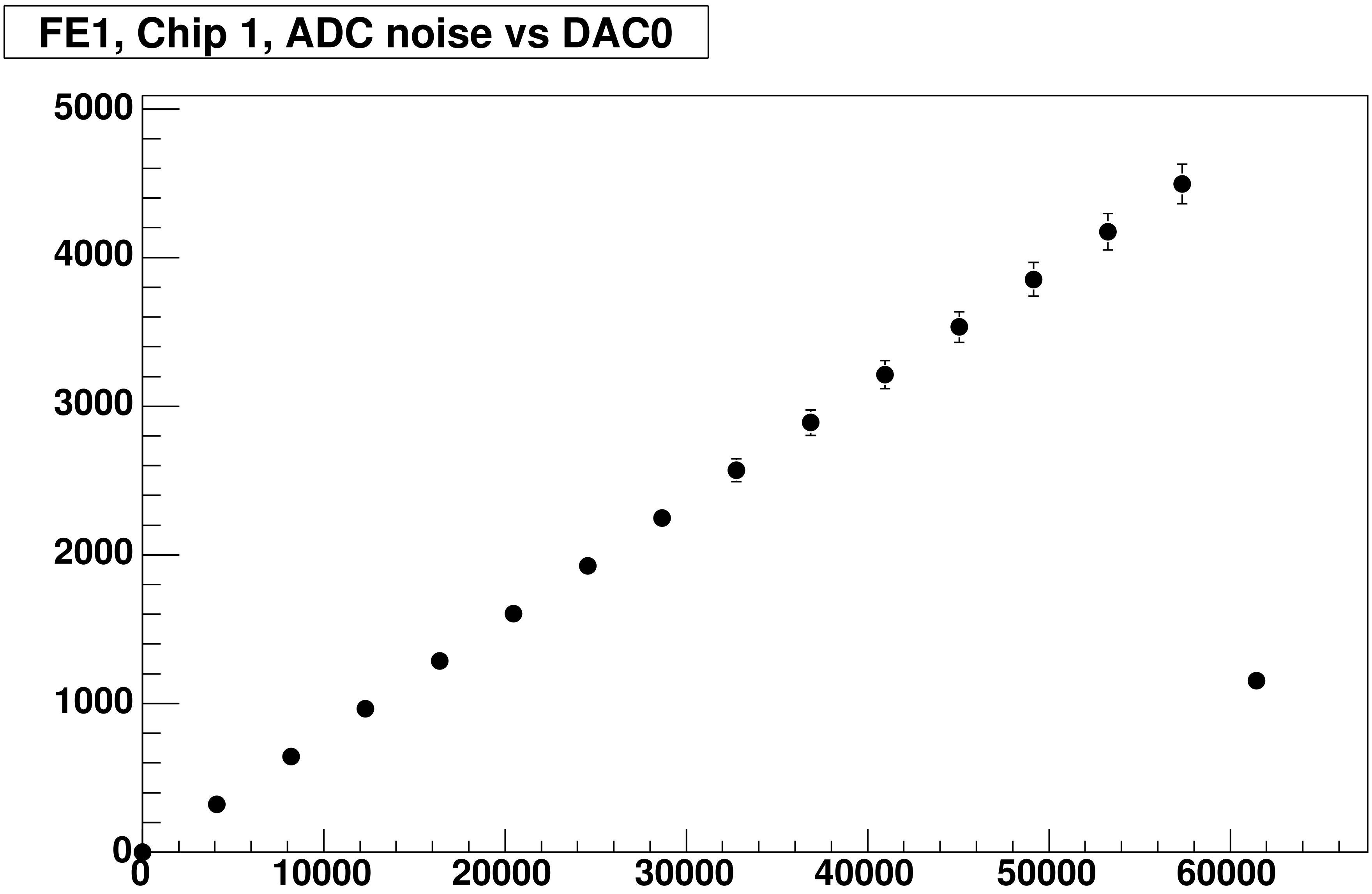

FE1, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

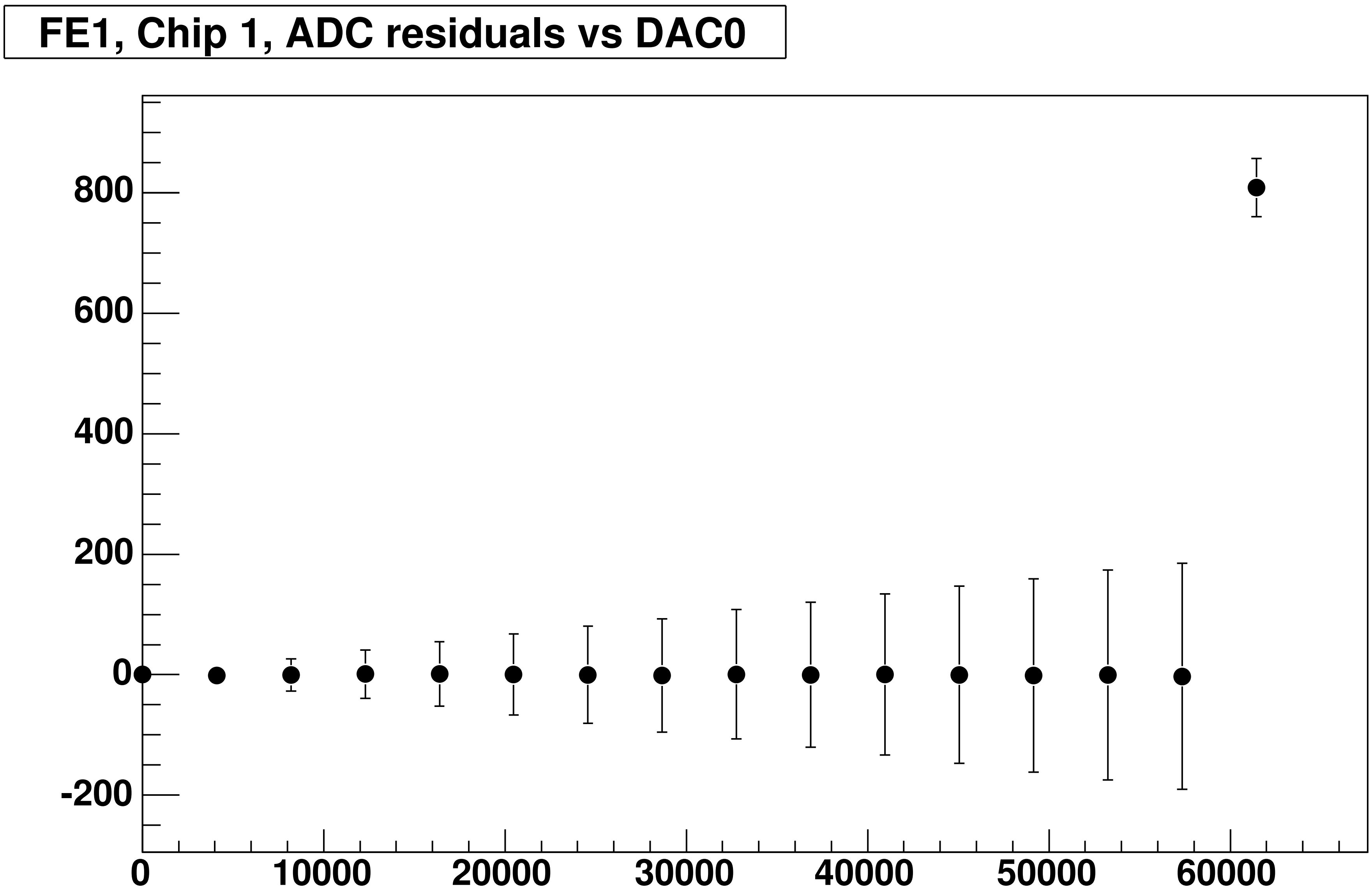

FE1, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 8.156e-06 / 11
p0 68.24 ± 31.02
p1 0.01407 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

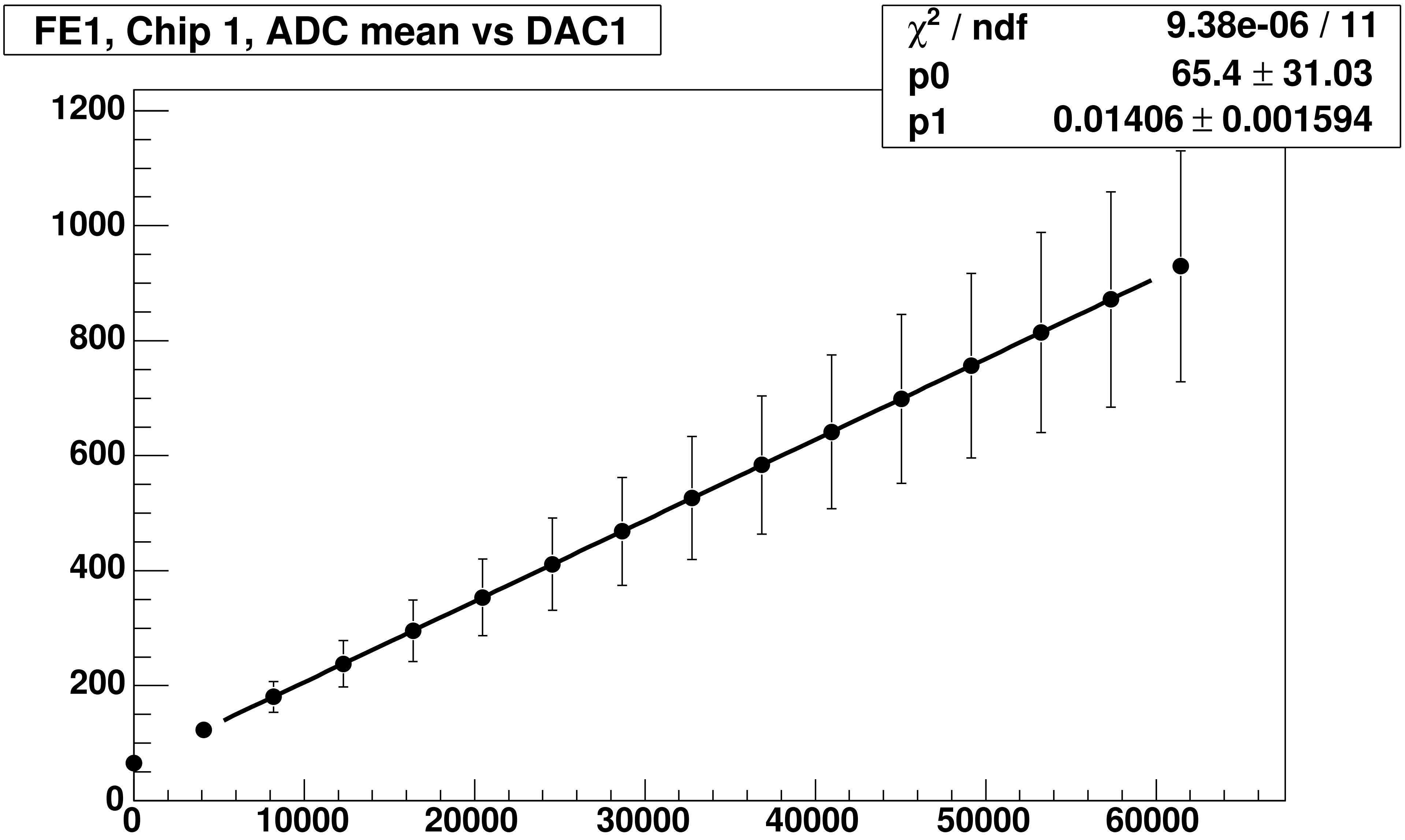

FE1, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

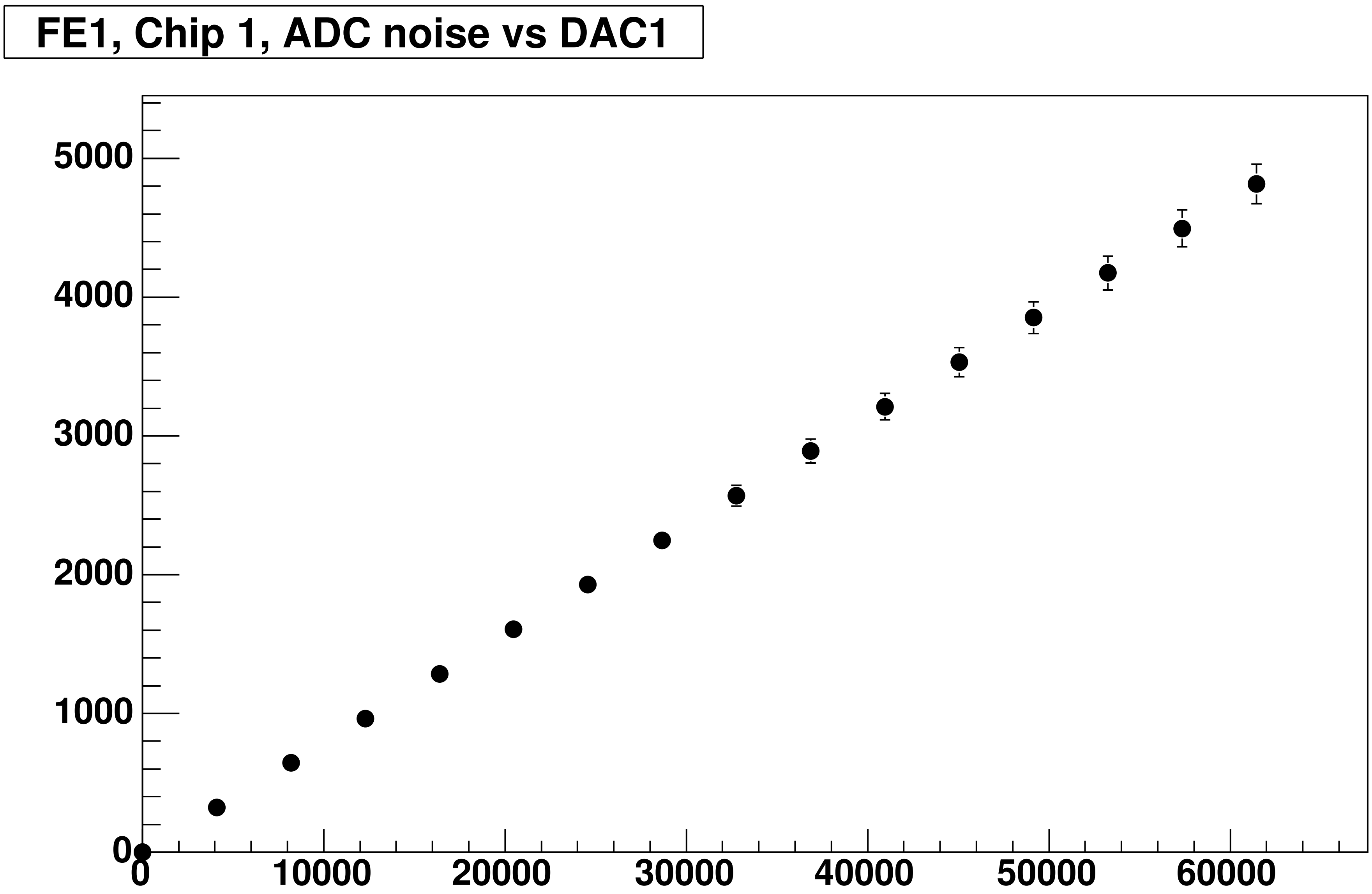

FE1, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

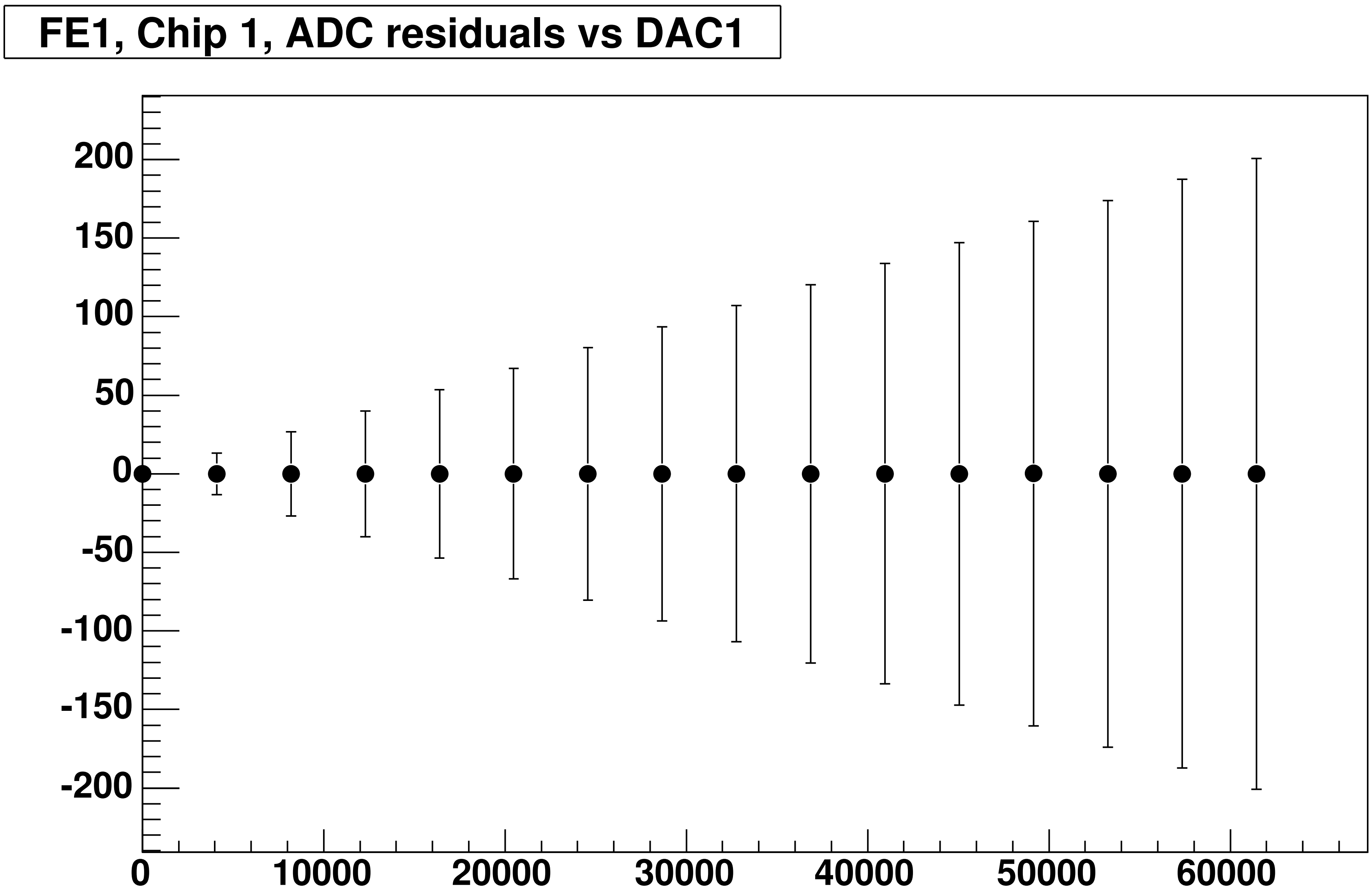

FE1, Chip 1, ADC mean vs DAC0
$\chi^2$ / ndf 0.002497 / 11
p0 67.4 ± 31.03
p1 0.4361 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

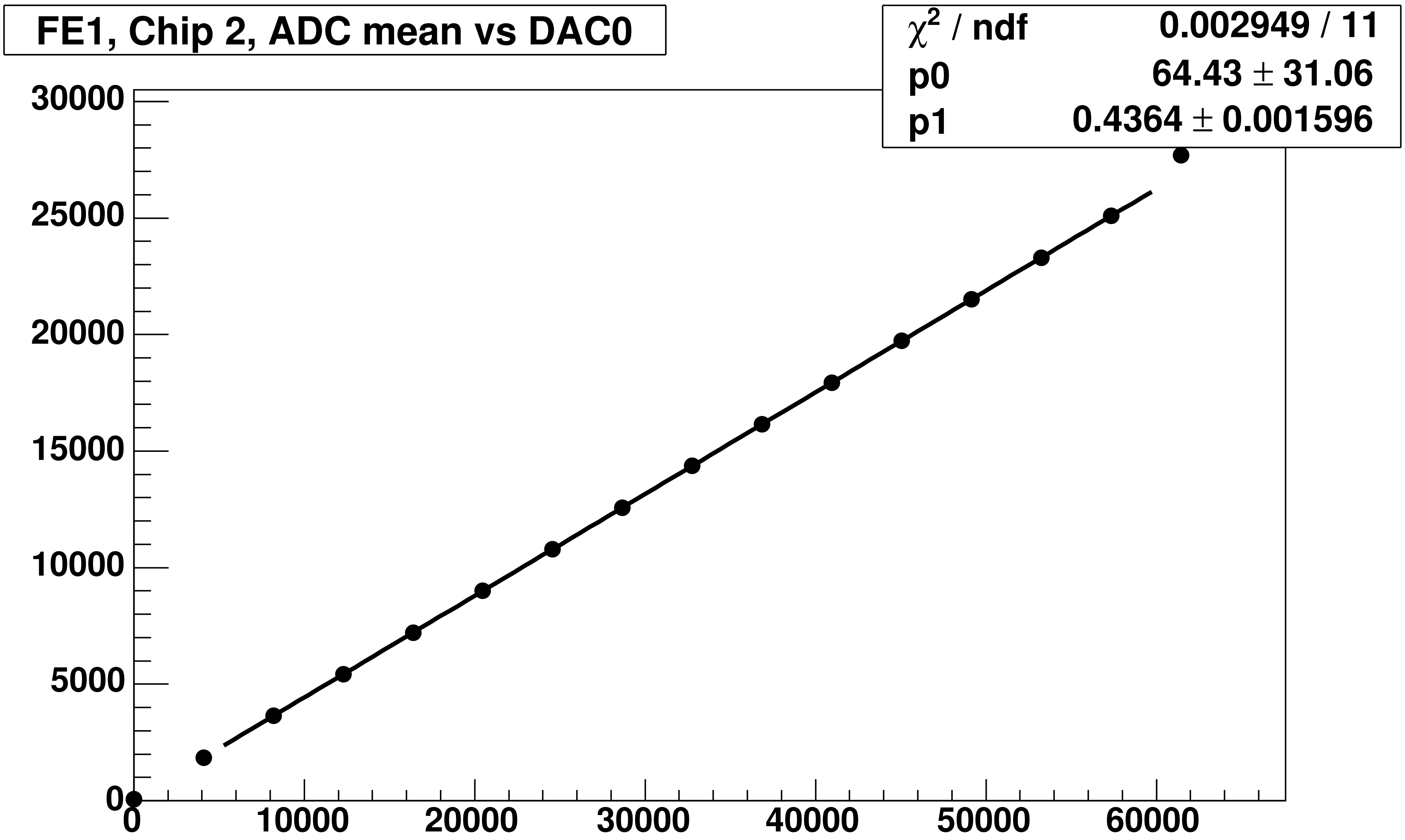

FE1, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

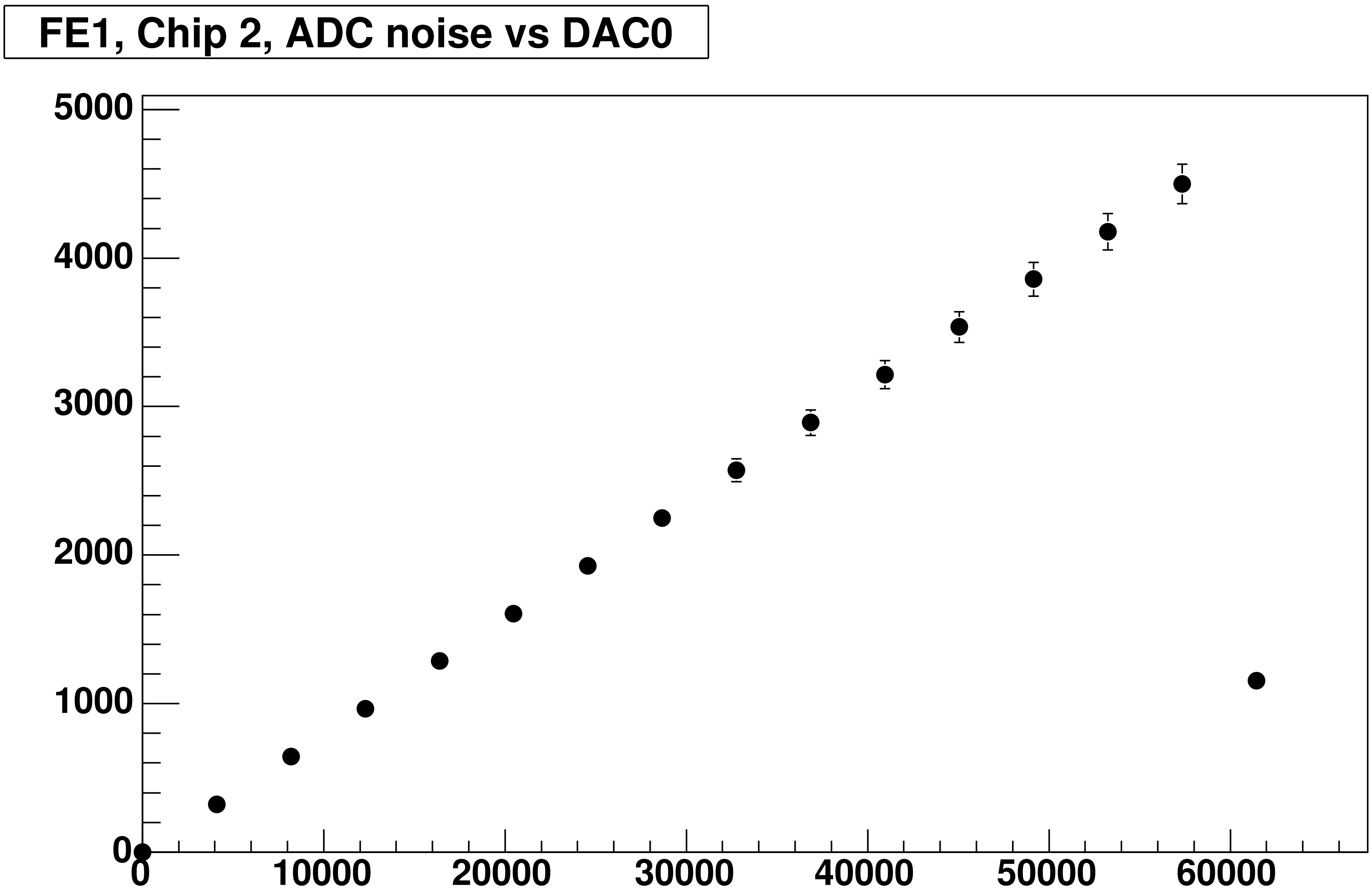

FE1, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

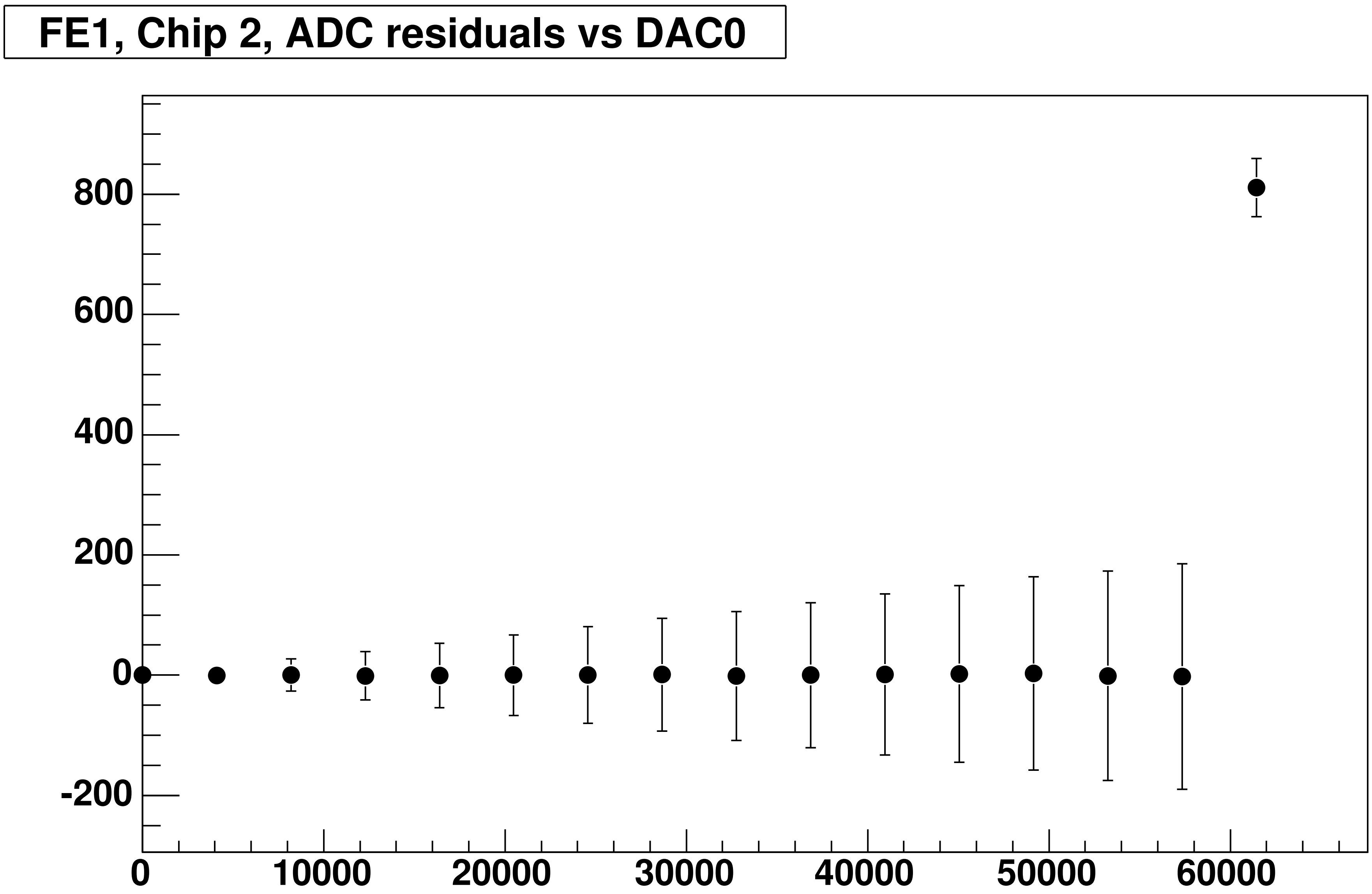

FE1, Chip 1, ADC mean vs DAC1
$\chi^2$ / ndf 9.38e-06 / 11
p0 65.4 ± 31.03
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

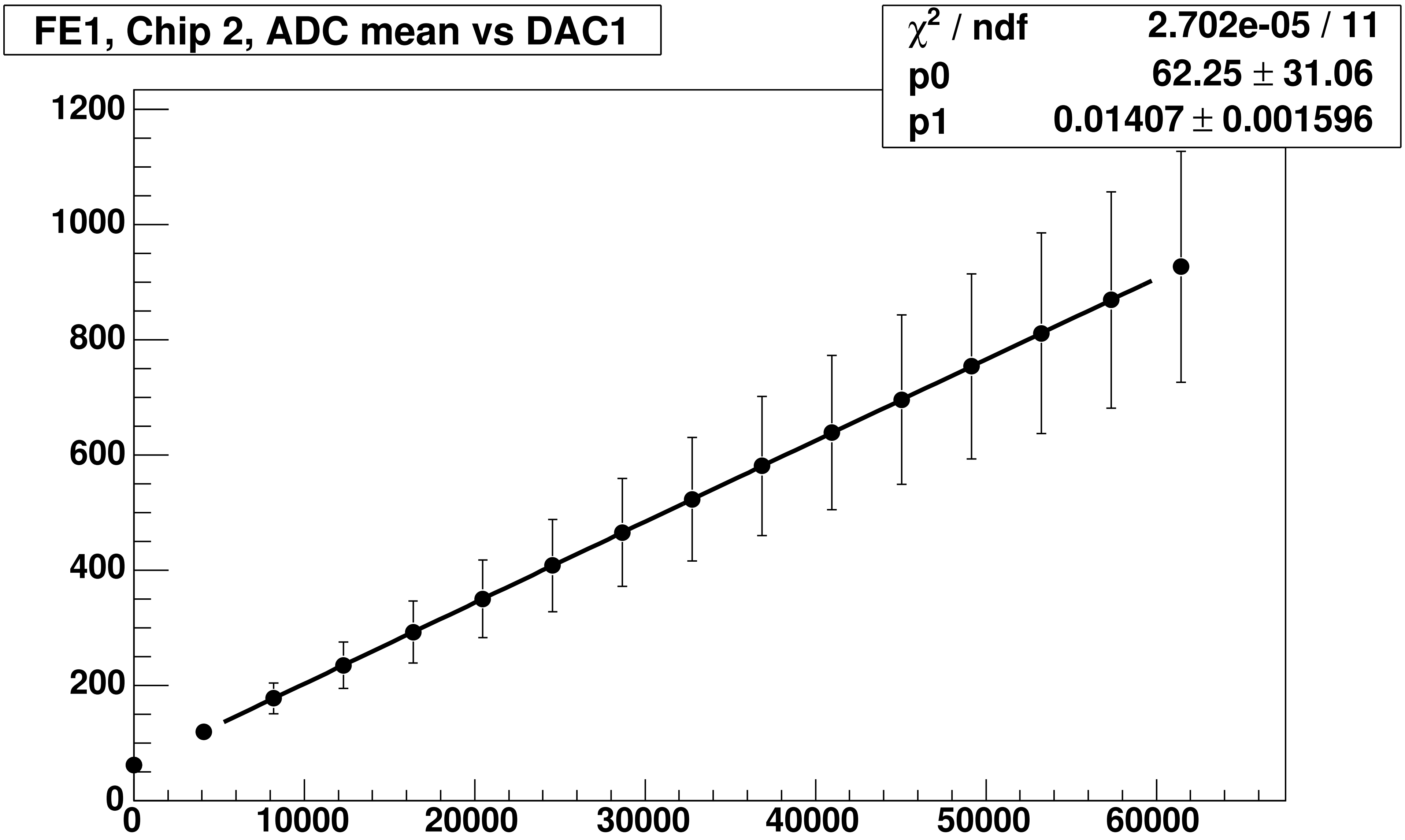

FE1, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

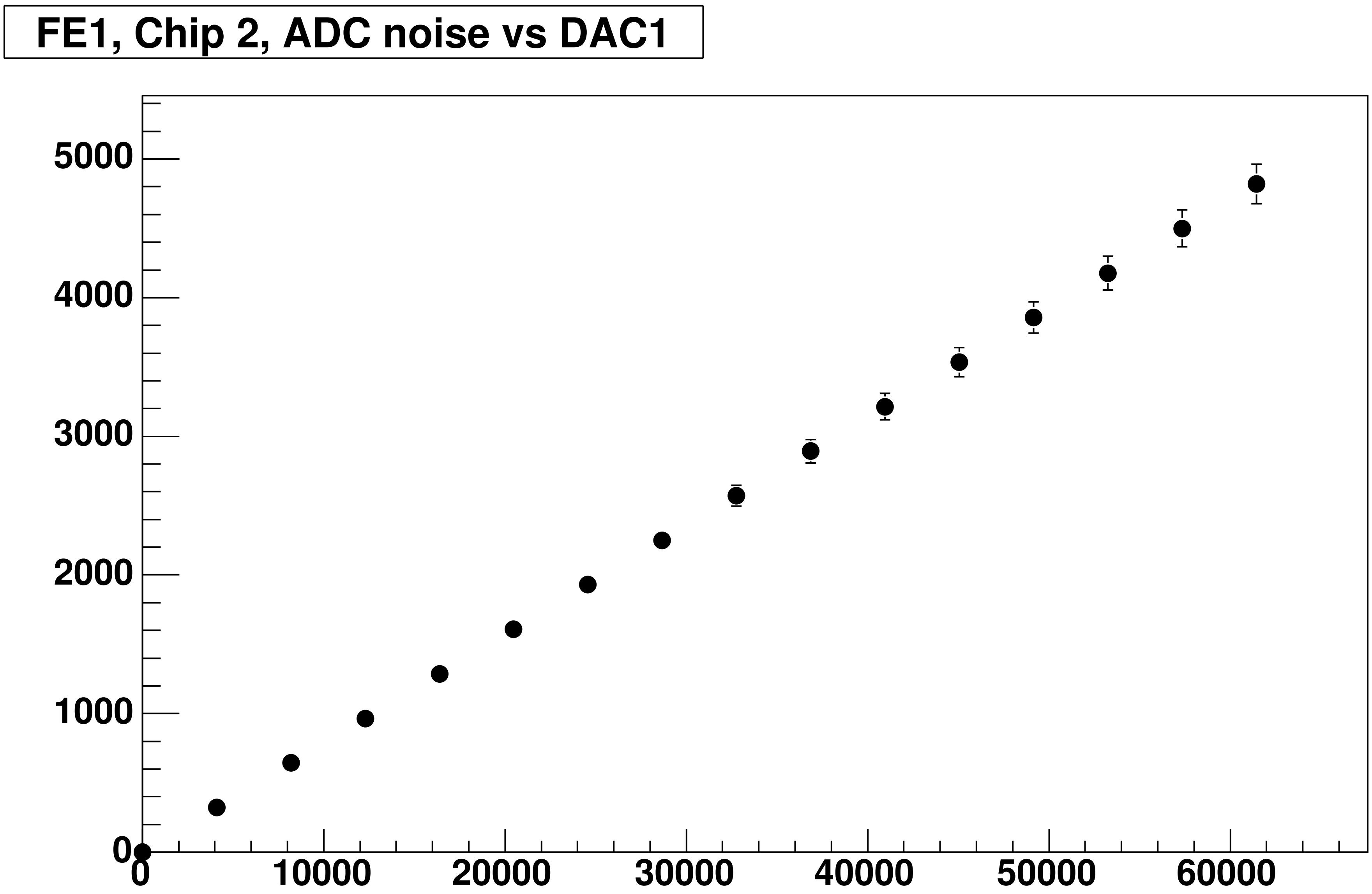

FE1, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

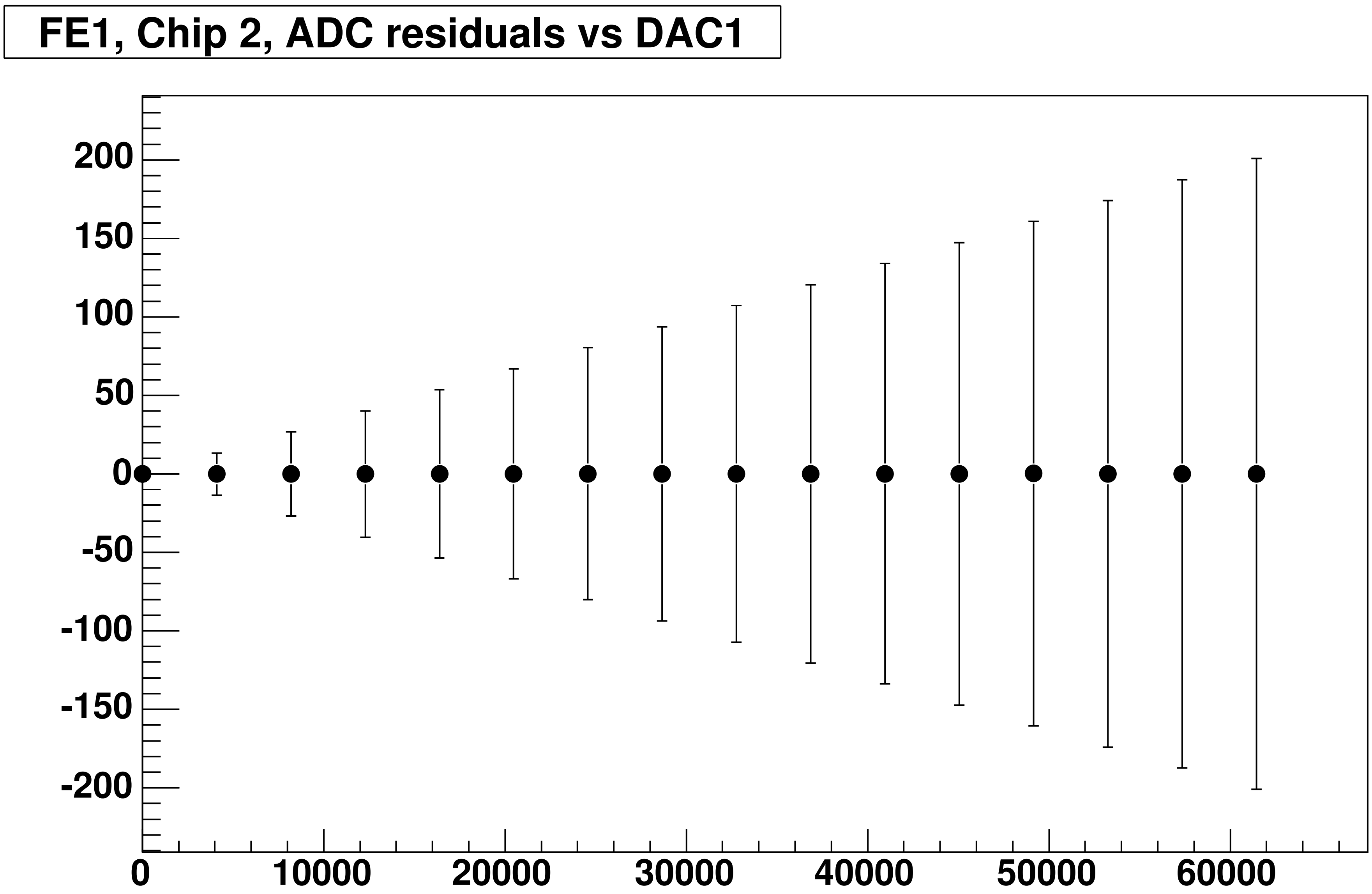

FE1, Chip 2, ADC mean vs DAC0
$\chi^2$ / ndf 0.002949 / 11
p0 64.43 ± 31.06
p1 0.4364 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


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

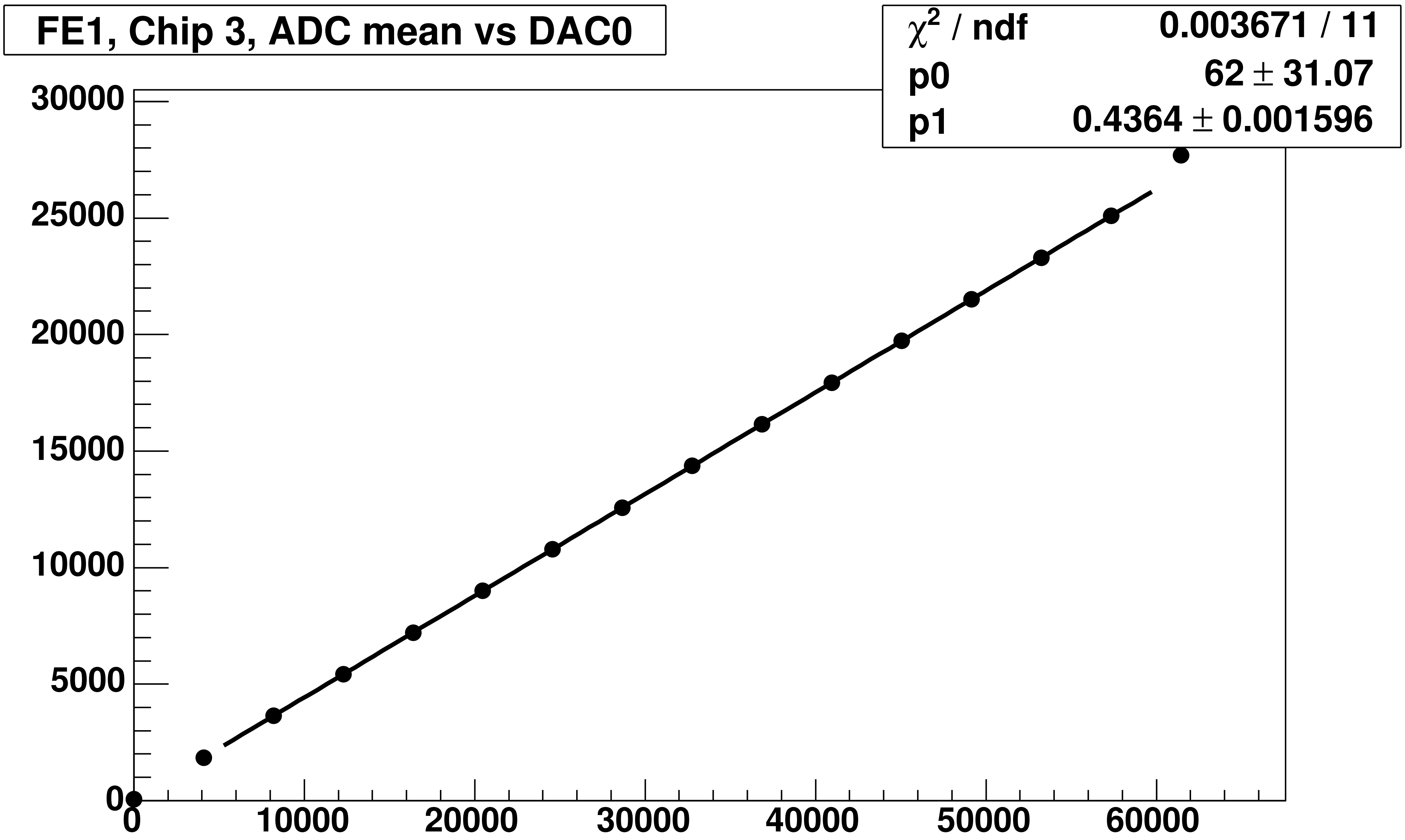

FE1, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 2, ADC mean vs DAC1
χ² / ndf 2.702e-05 / 11
p0 62.25 ± 31.06
p1 0.01407 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

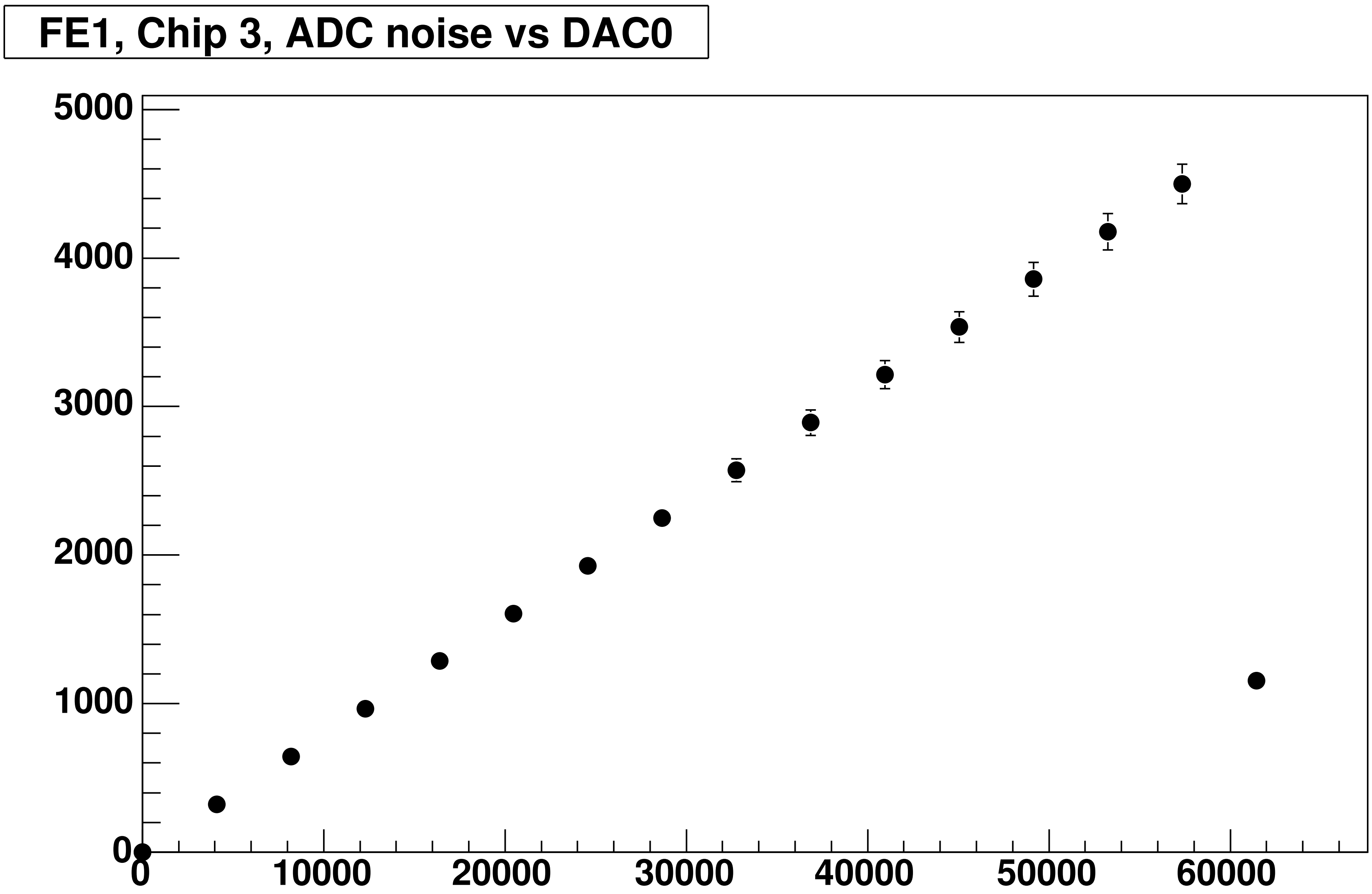

FE1, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

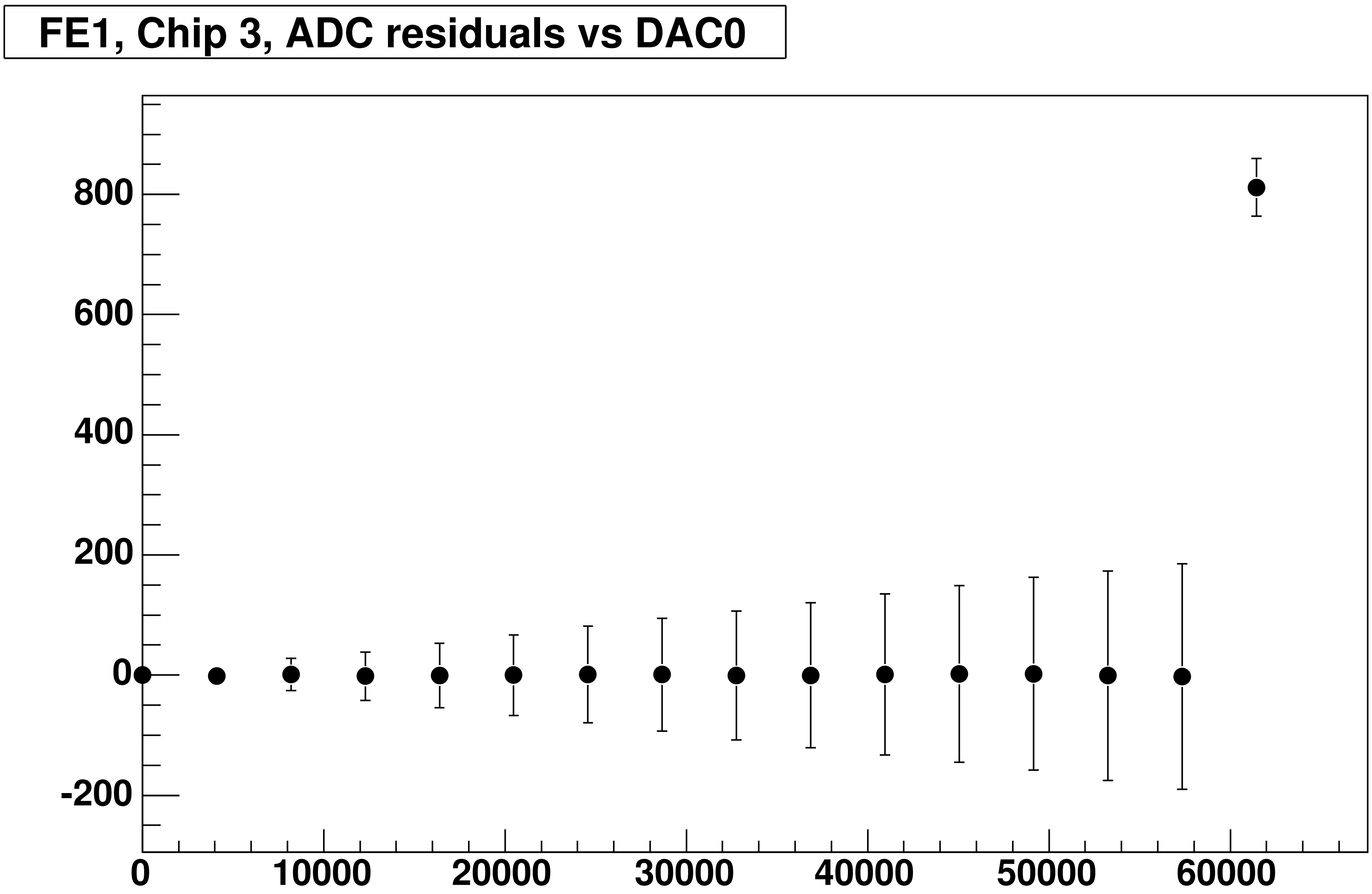


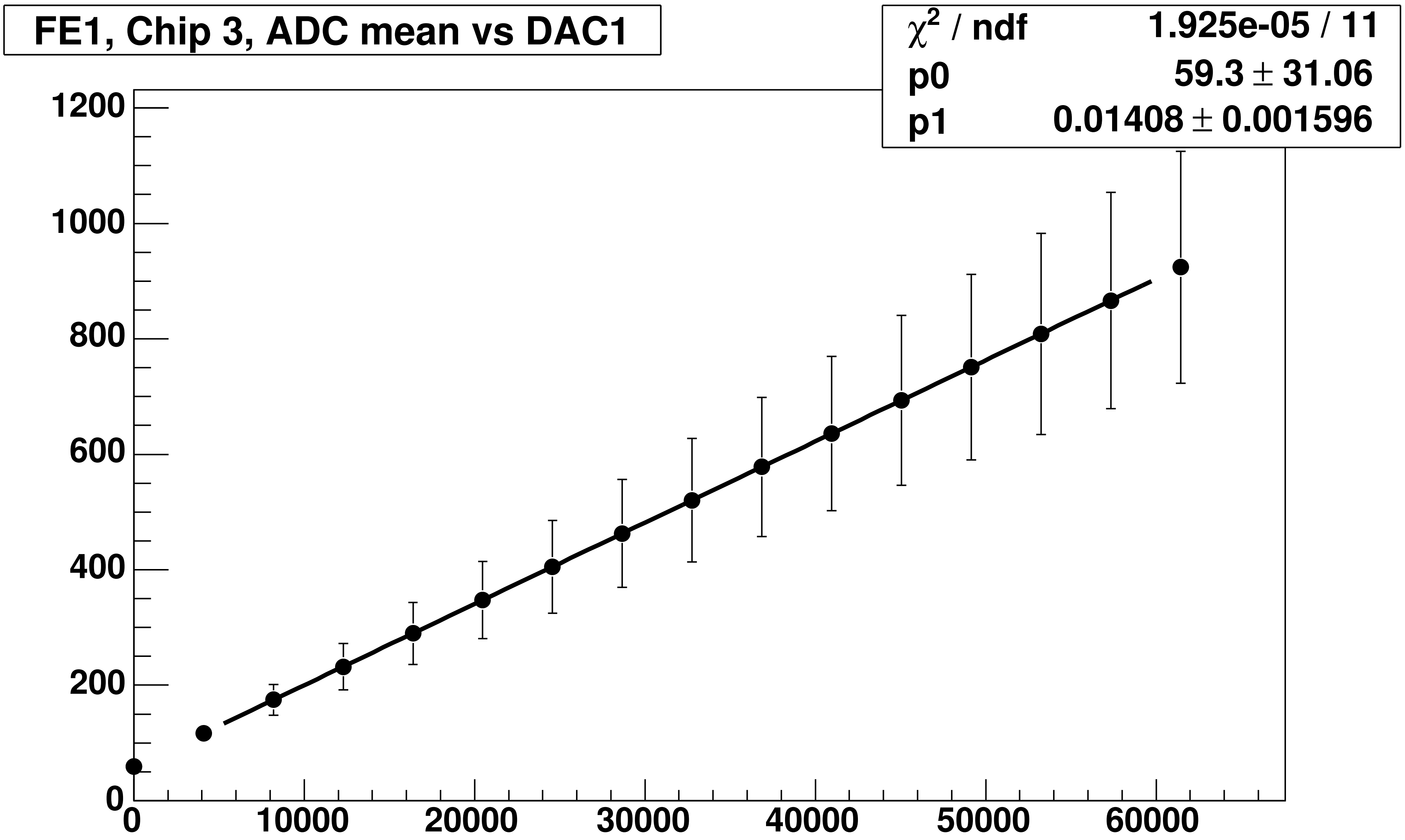
FE1, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



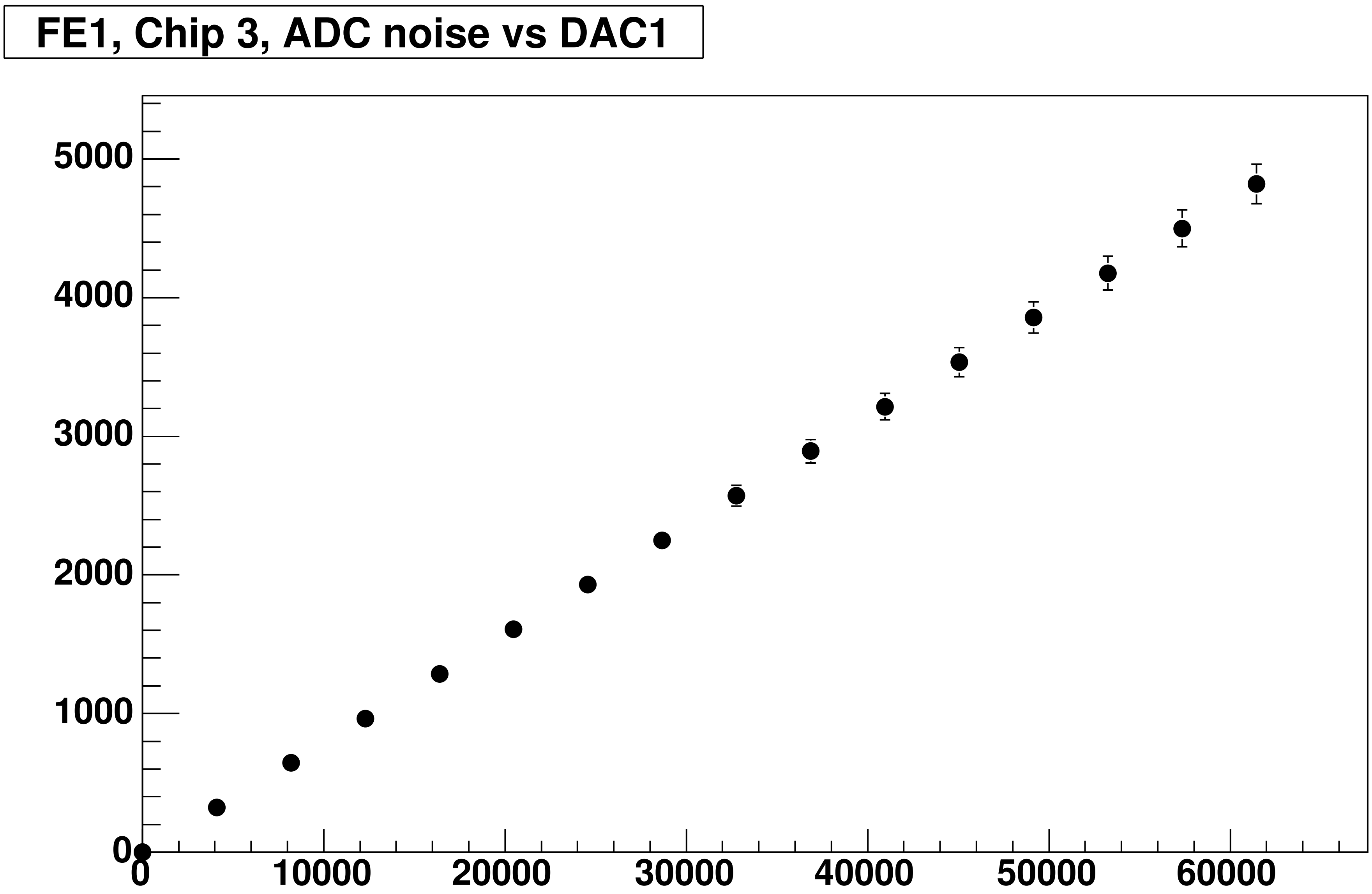
FE1, Chip 3, ADC mean vs DAC0
$\chi^2$ / ndf 0.003671 / 11
p0 62 ± 31.07
p1 0.4364 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

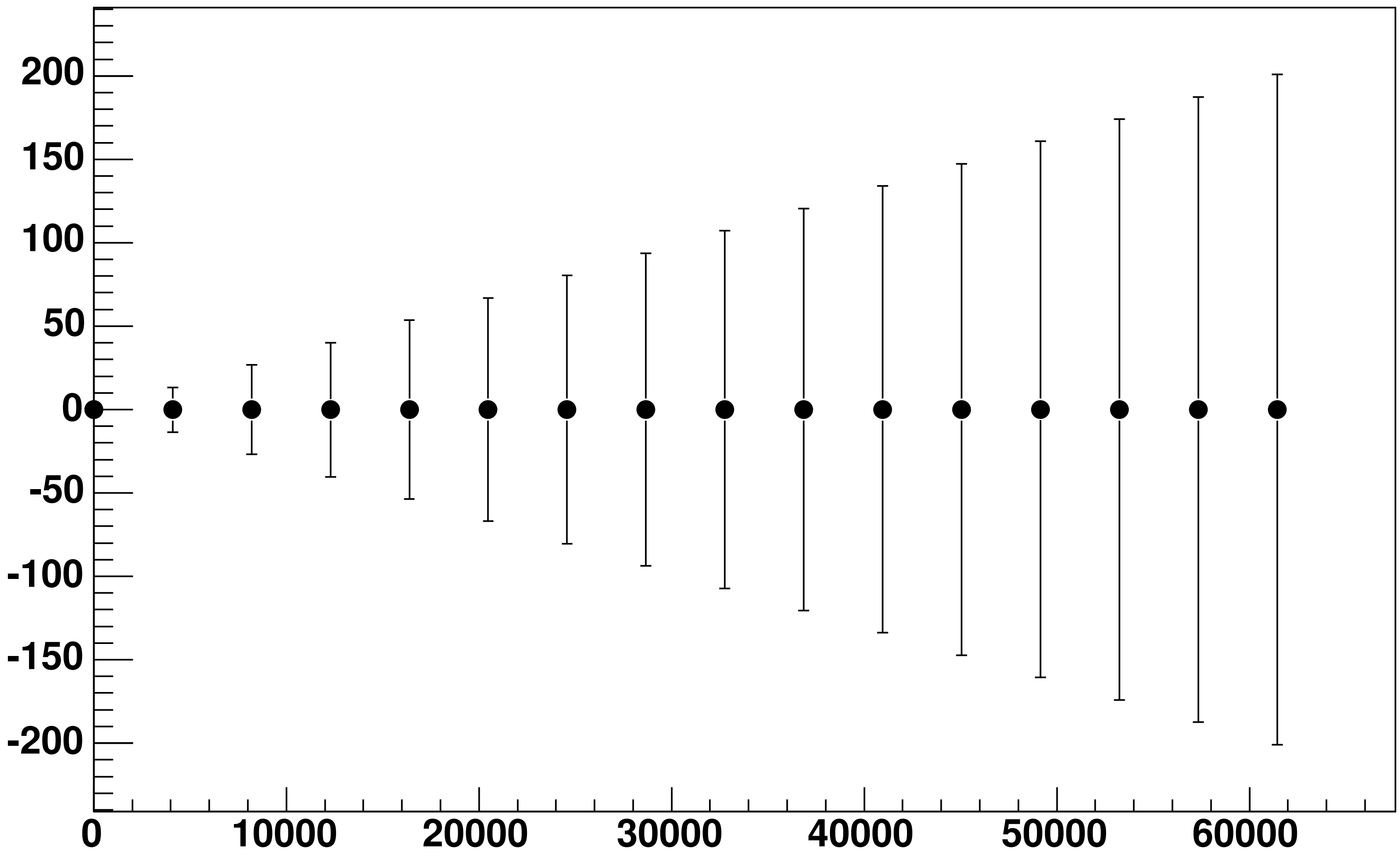

FE1, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

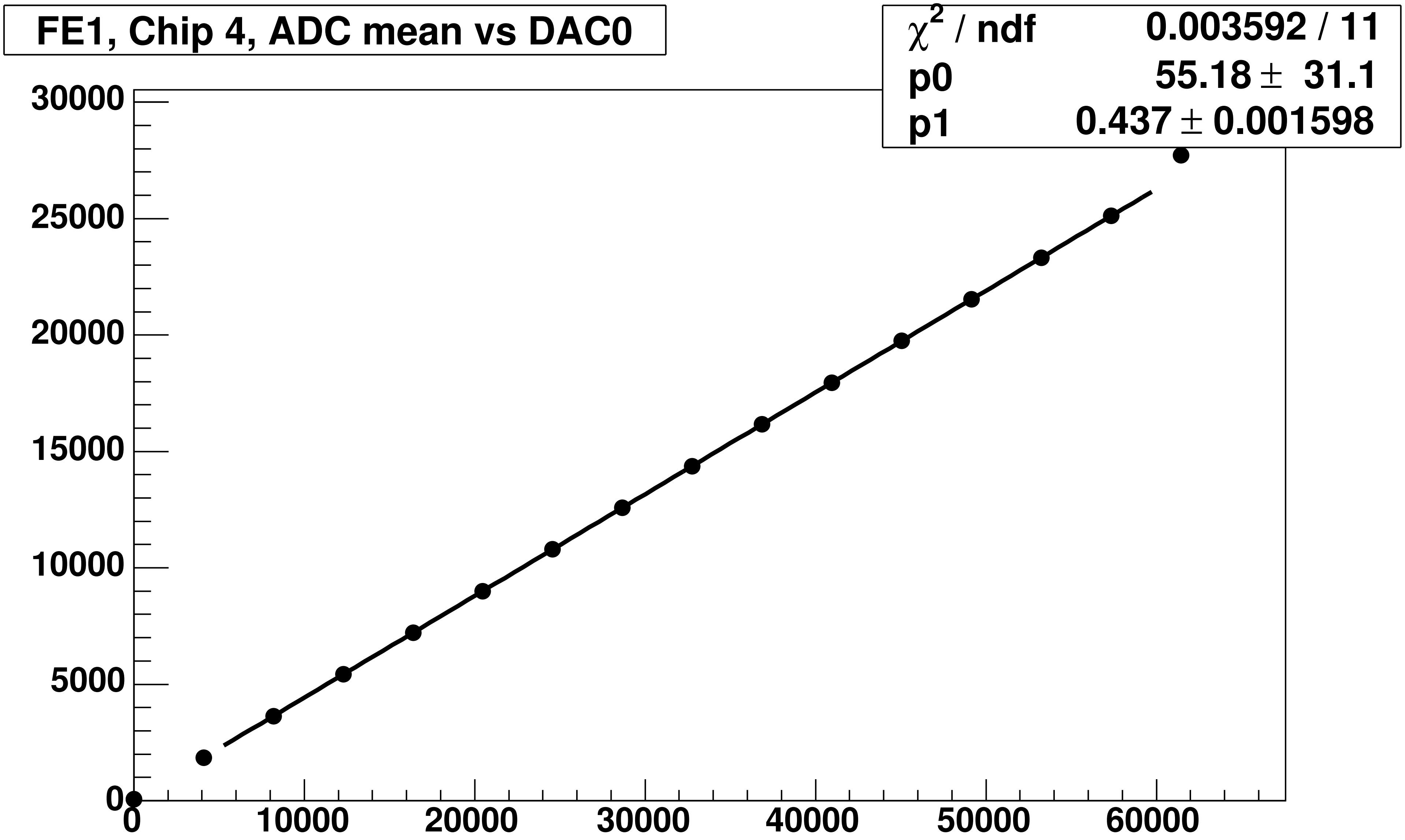


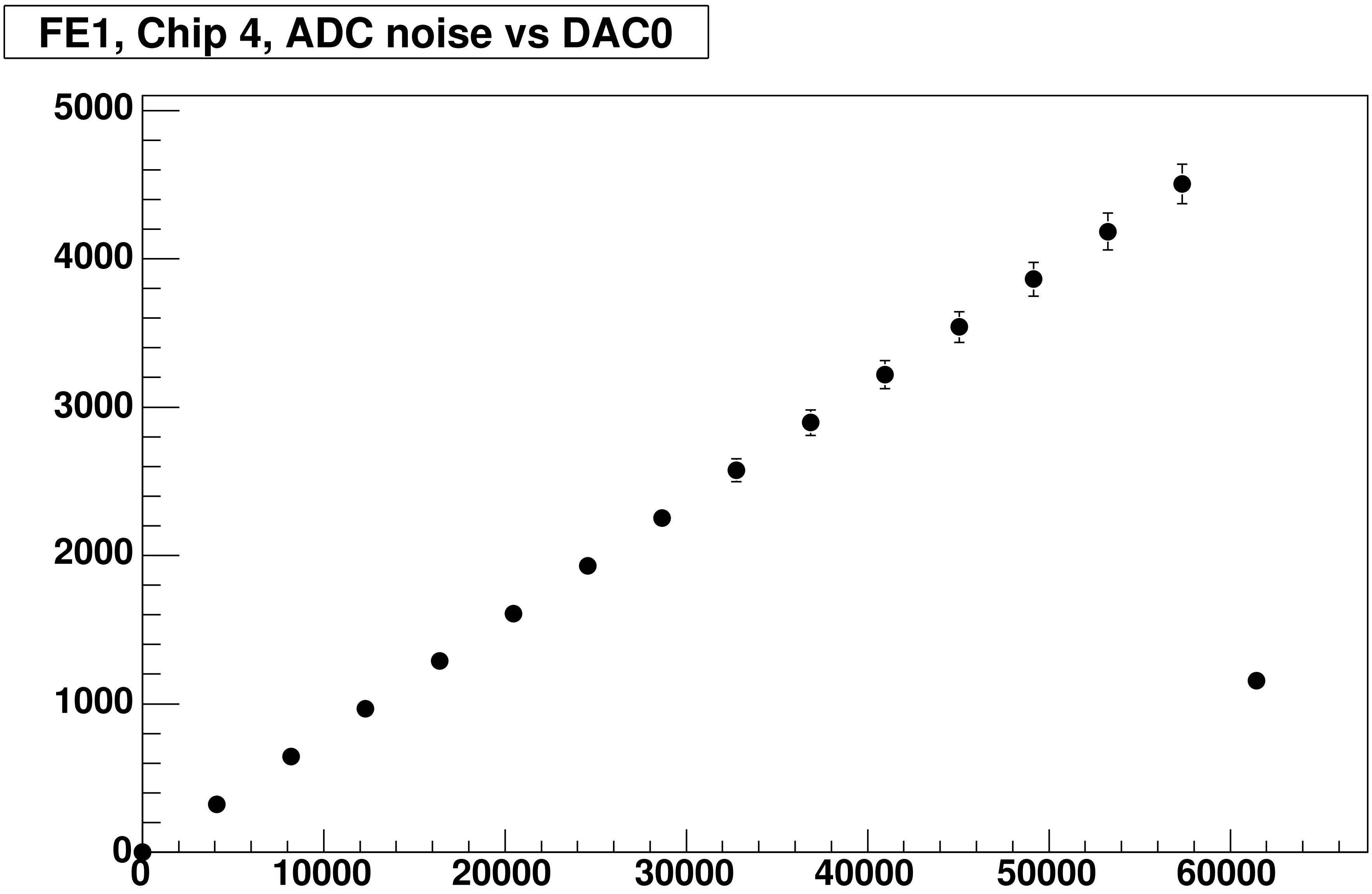
FE1, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 1.925e-05 / 11
p0 59.3 ± 31.06
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

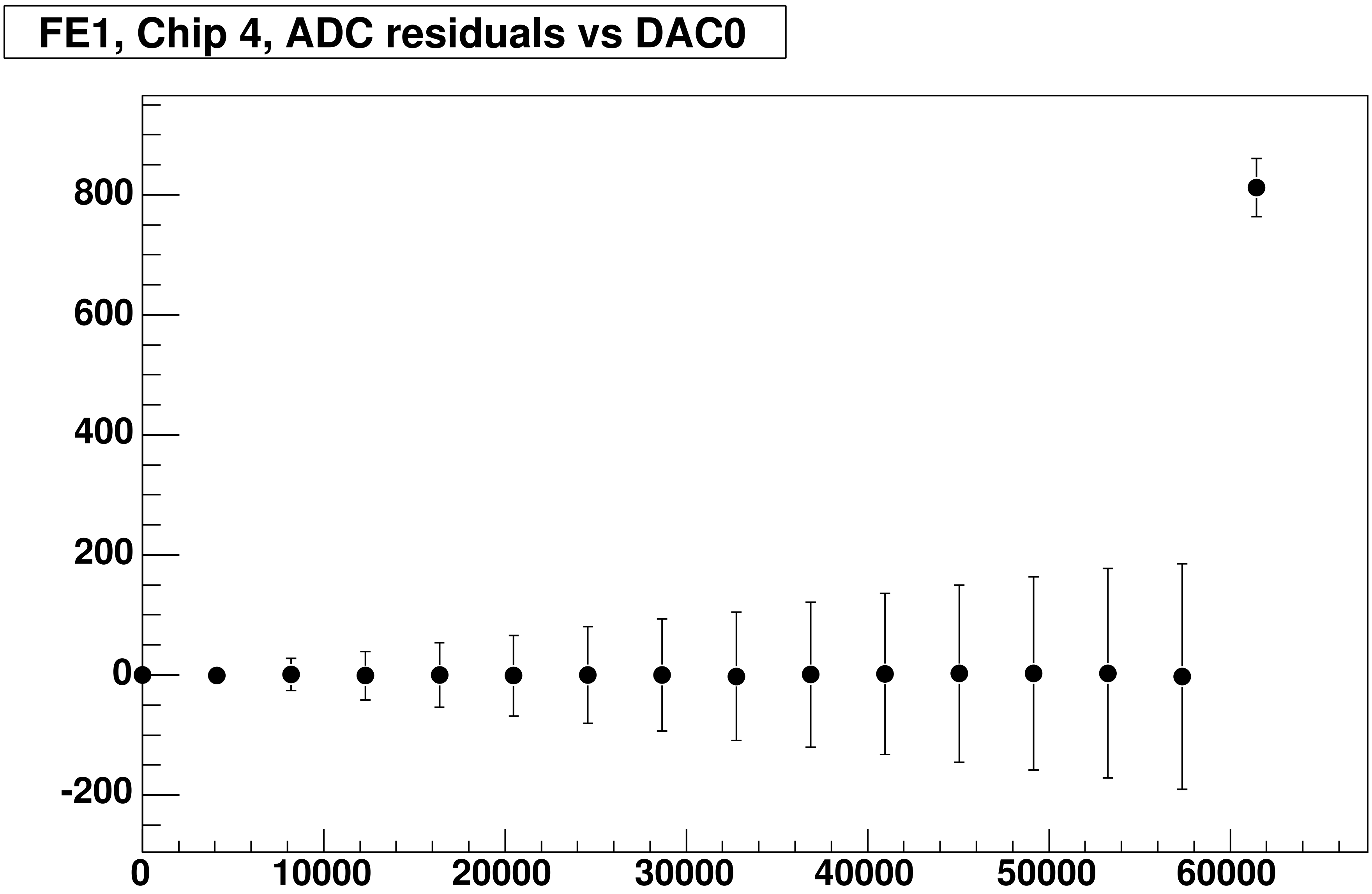

FE1, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

FE1, Chip 3, ADC residuals vs DAC1

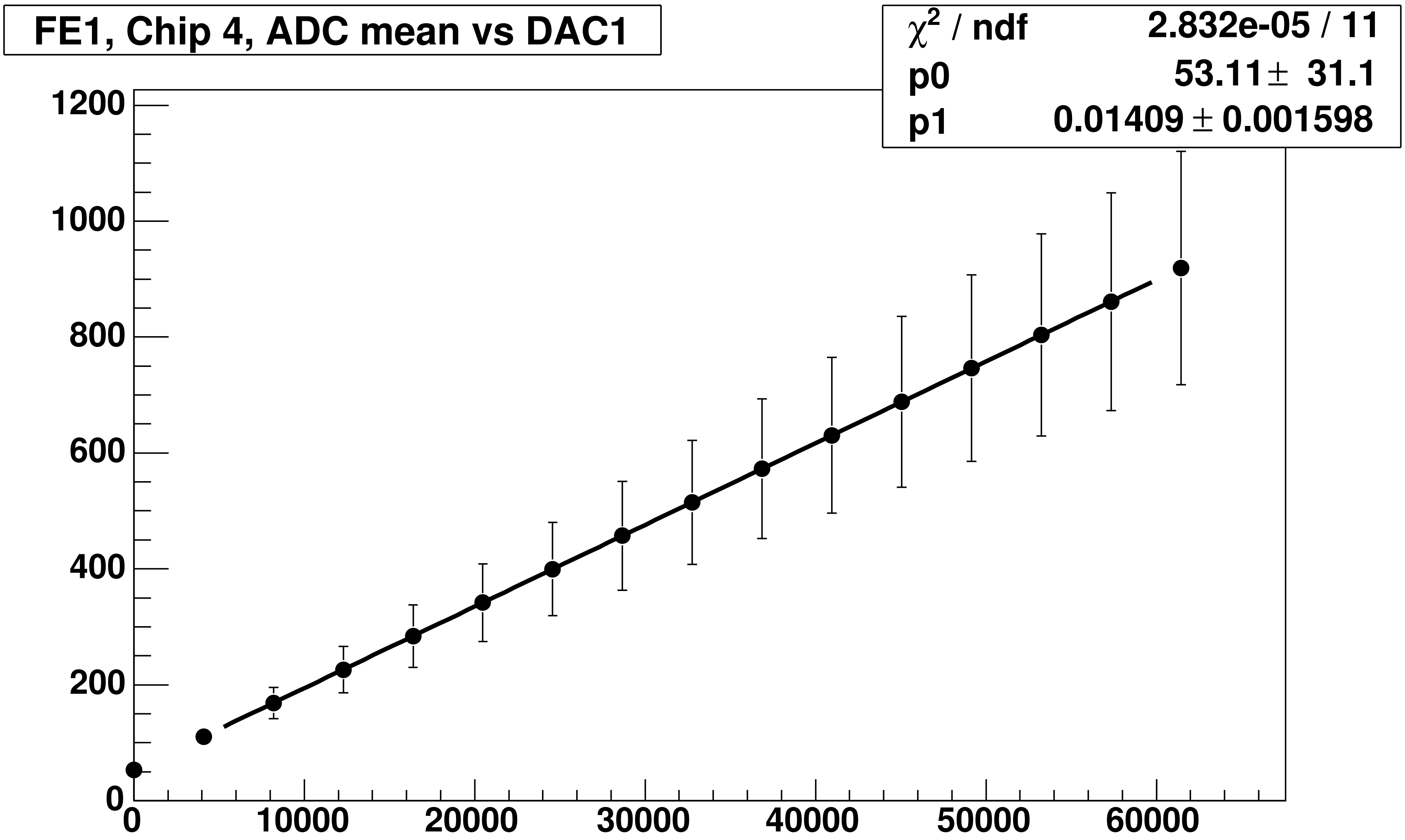


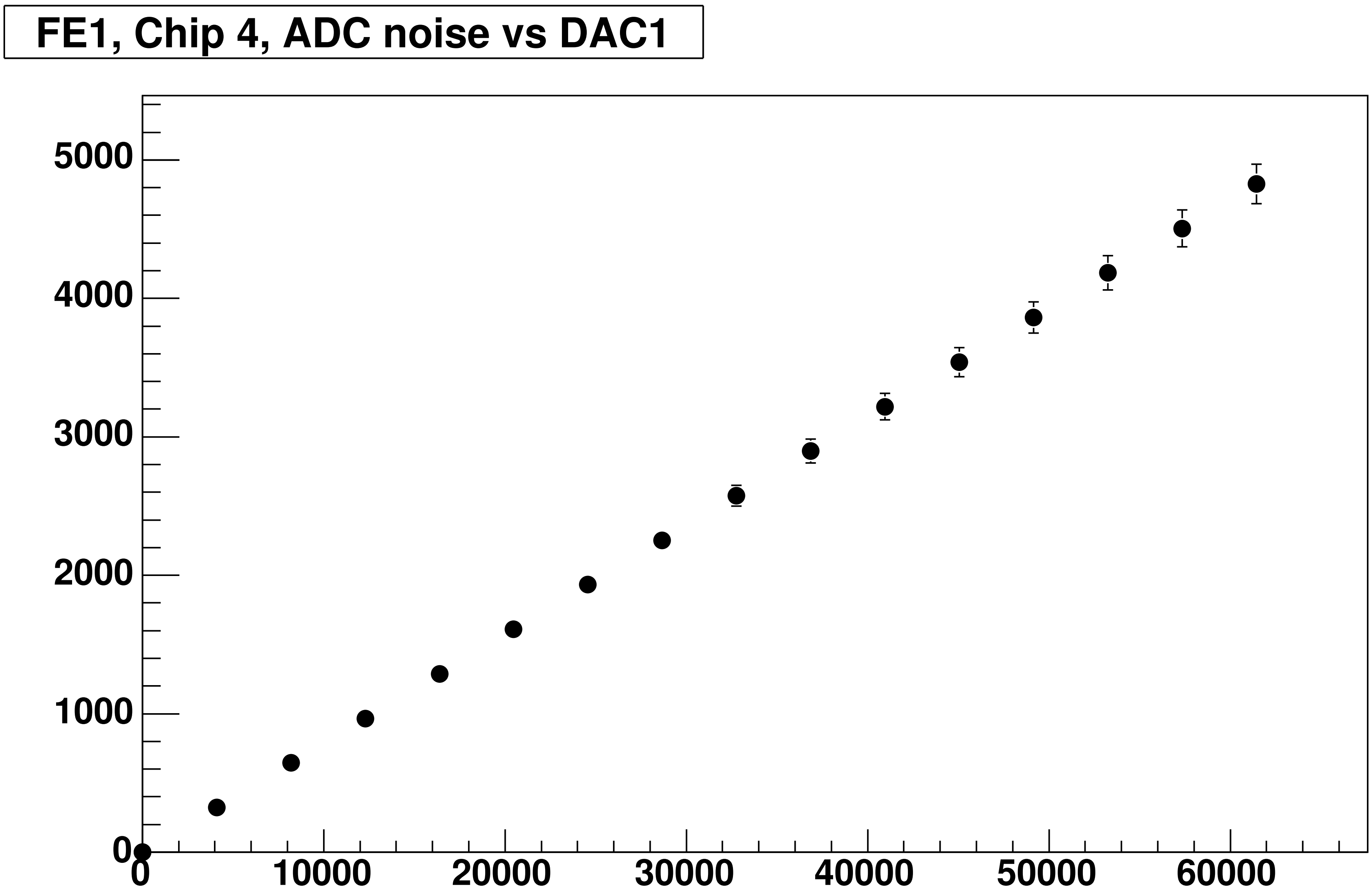

FE1, Chip 4, ADC mean vs DAC0
$\chi^2$ / ndf 0.003592 / 11
p0 55.18 ± 31.1
p1 0.437 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

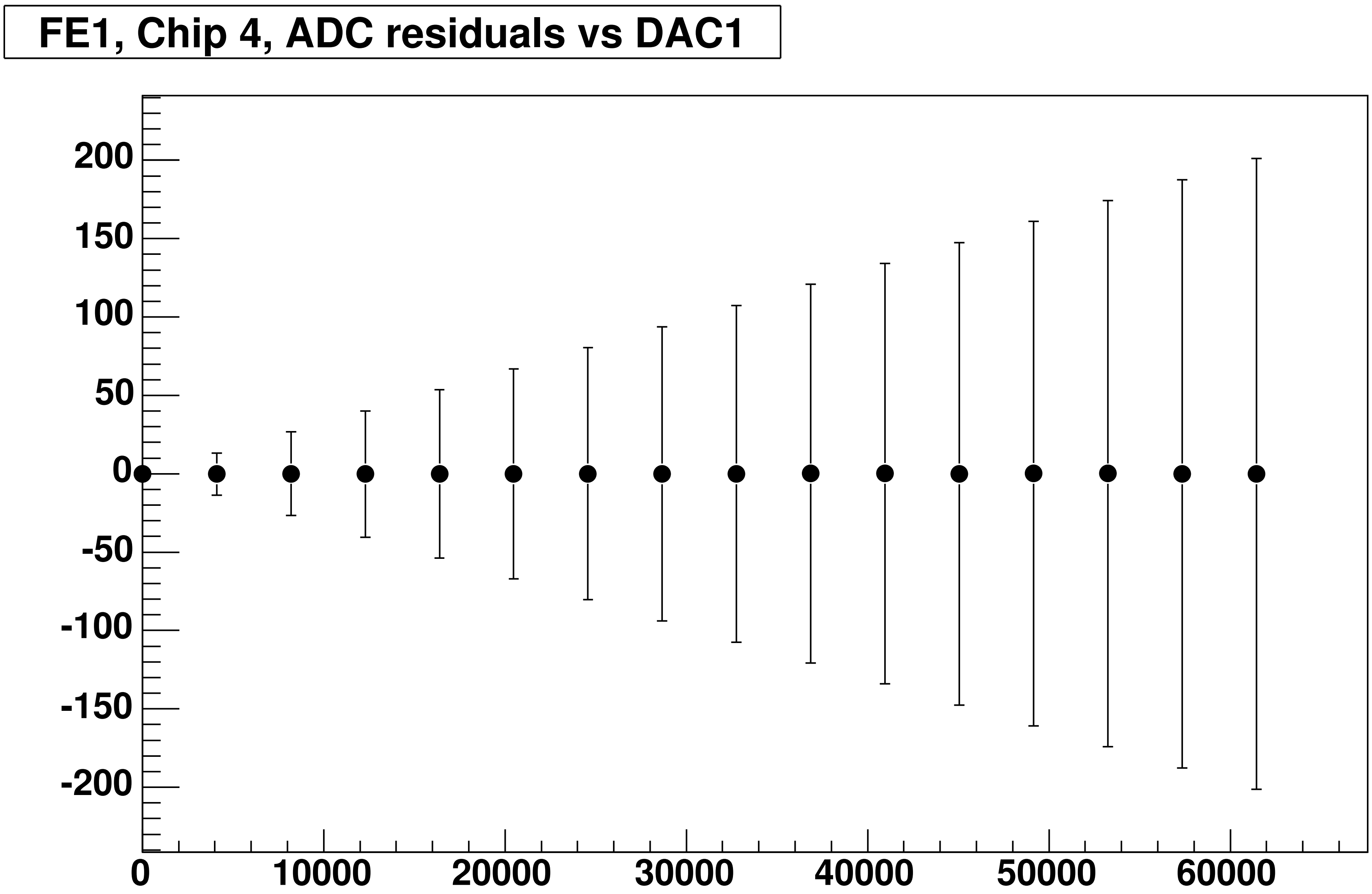

FE1, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

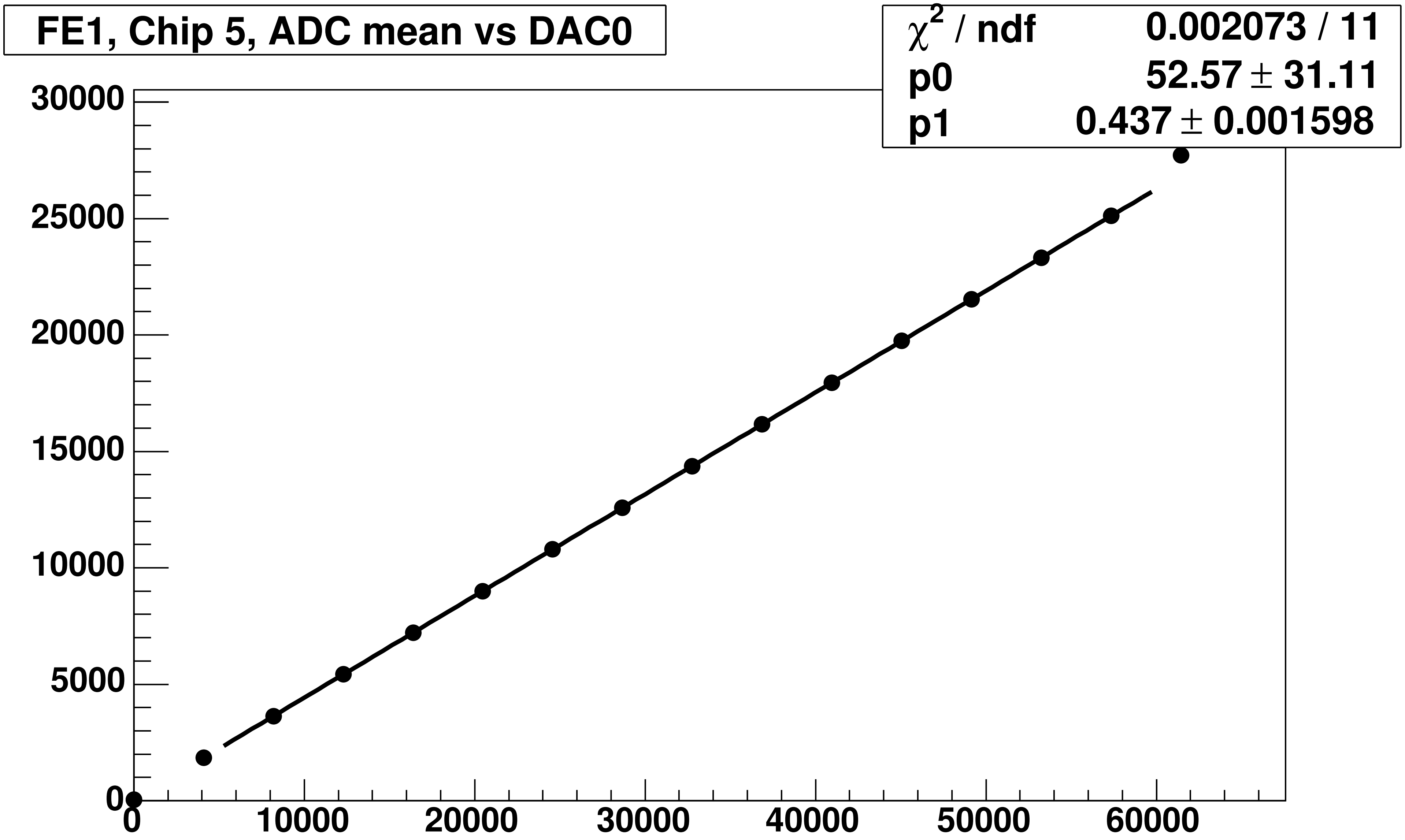


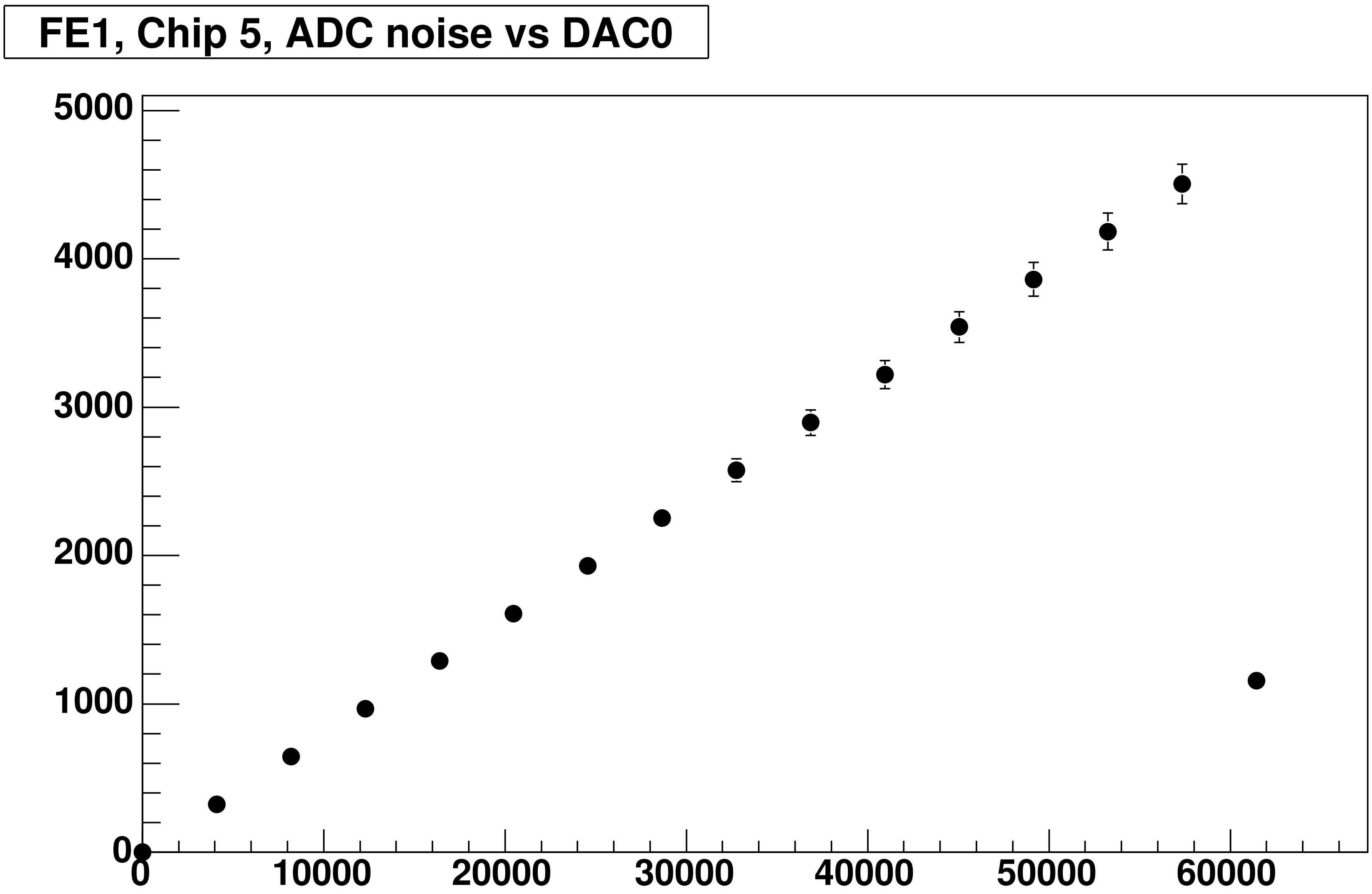
FE1, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

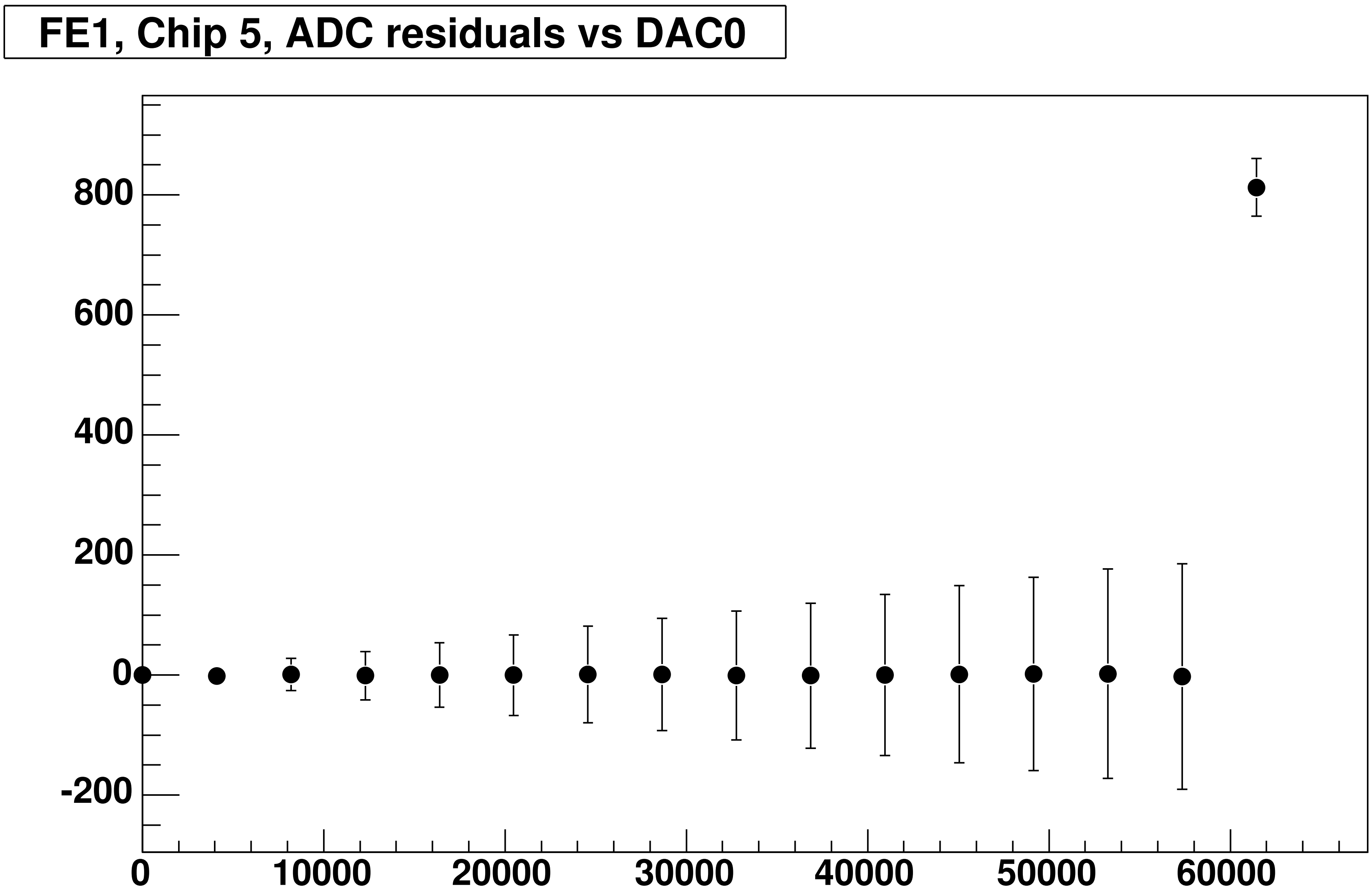

FE1, Chip 4, ADC mean vs DAC1
$\chi^2$ / ndf 2.832e-05 / 11
p0 53.11 ± 31.1
p1 0.01409 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

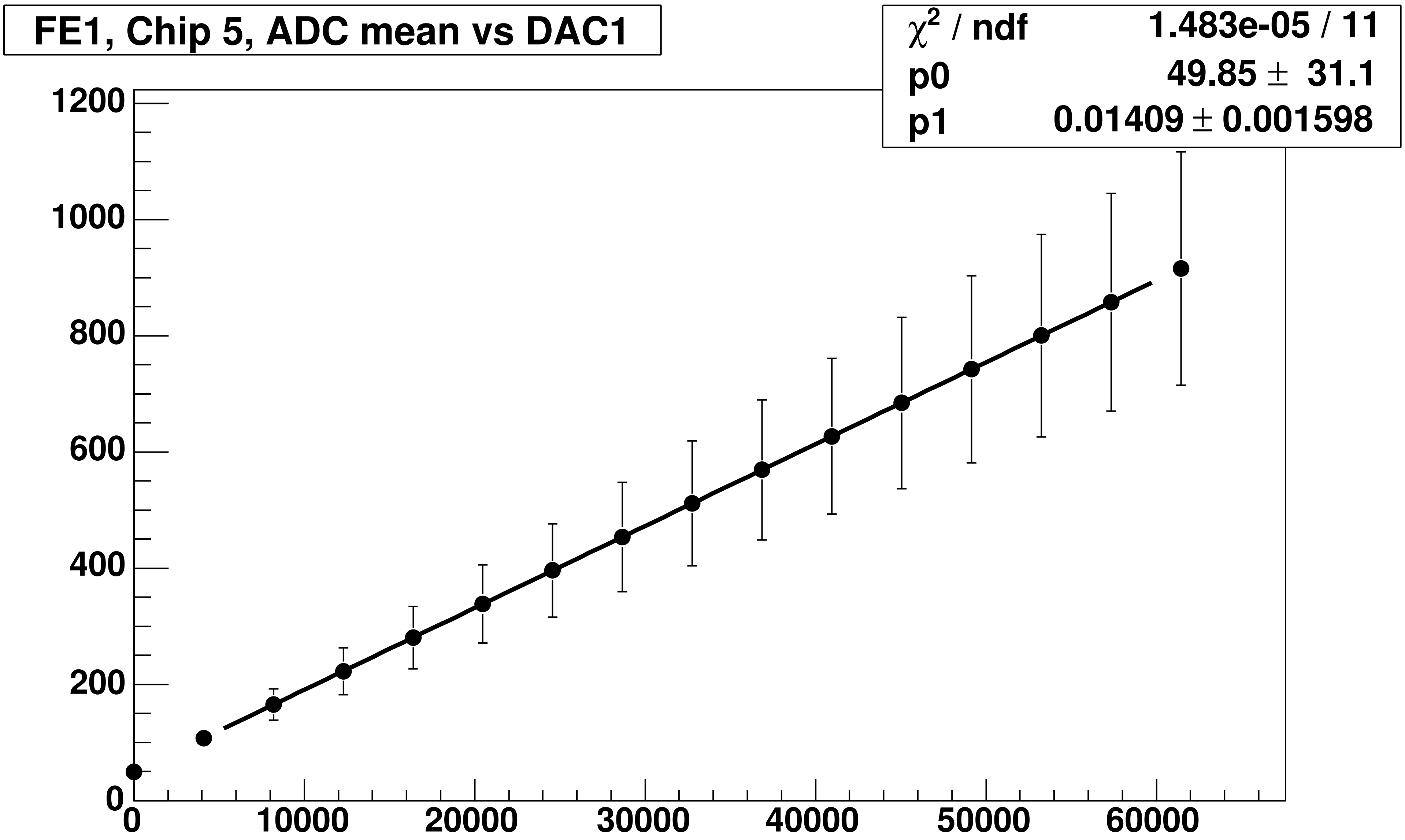

FE1, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

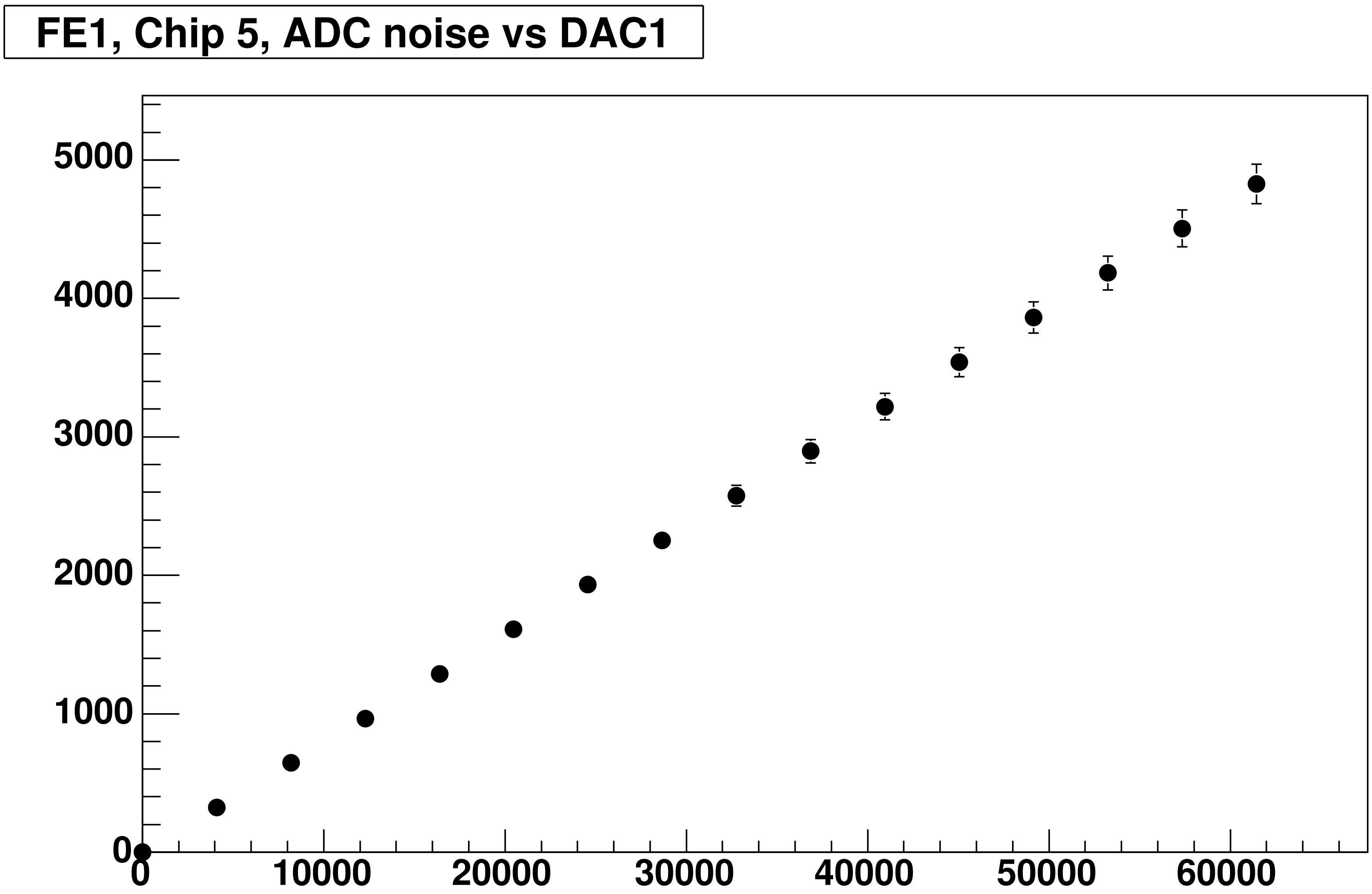

FE1, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

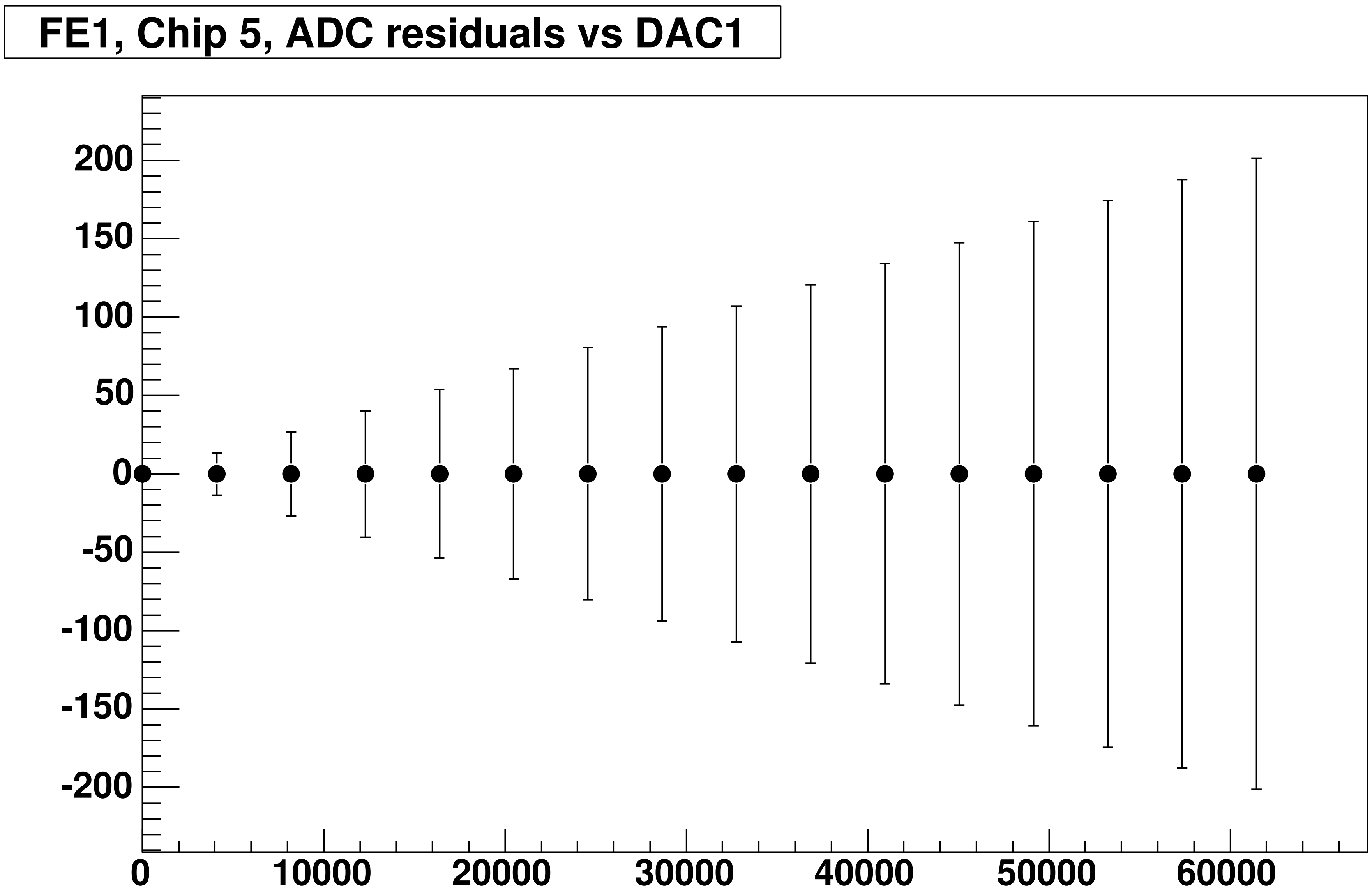

FE1, Chip 5, ADC mean vs DAC0
χ2 / ndf 0.002073 / 11
p0 52.57 ± 31.11
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

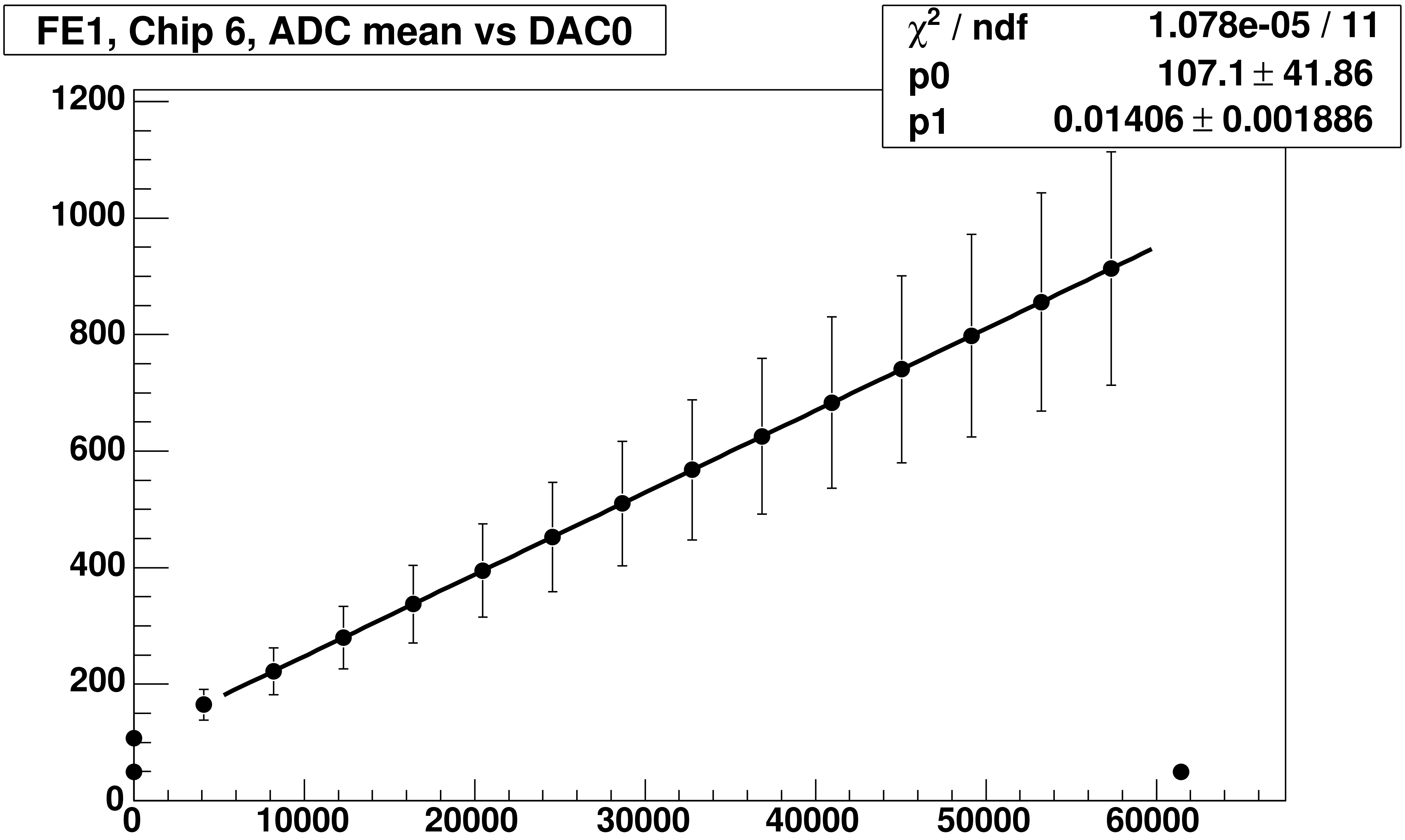

FE1, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

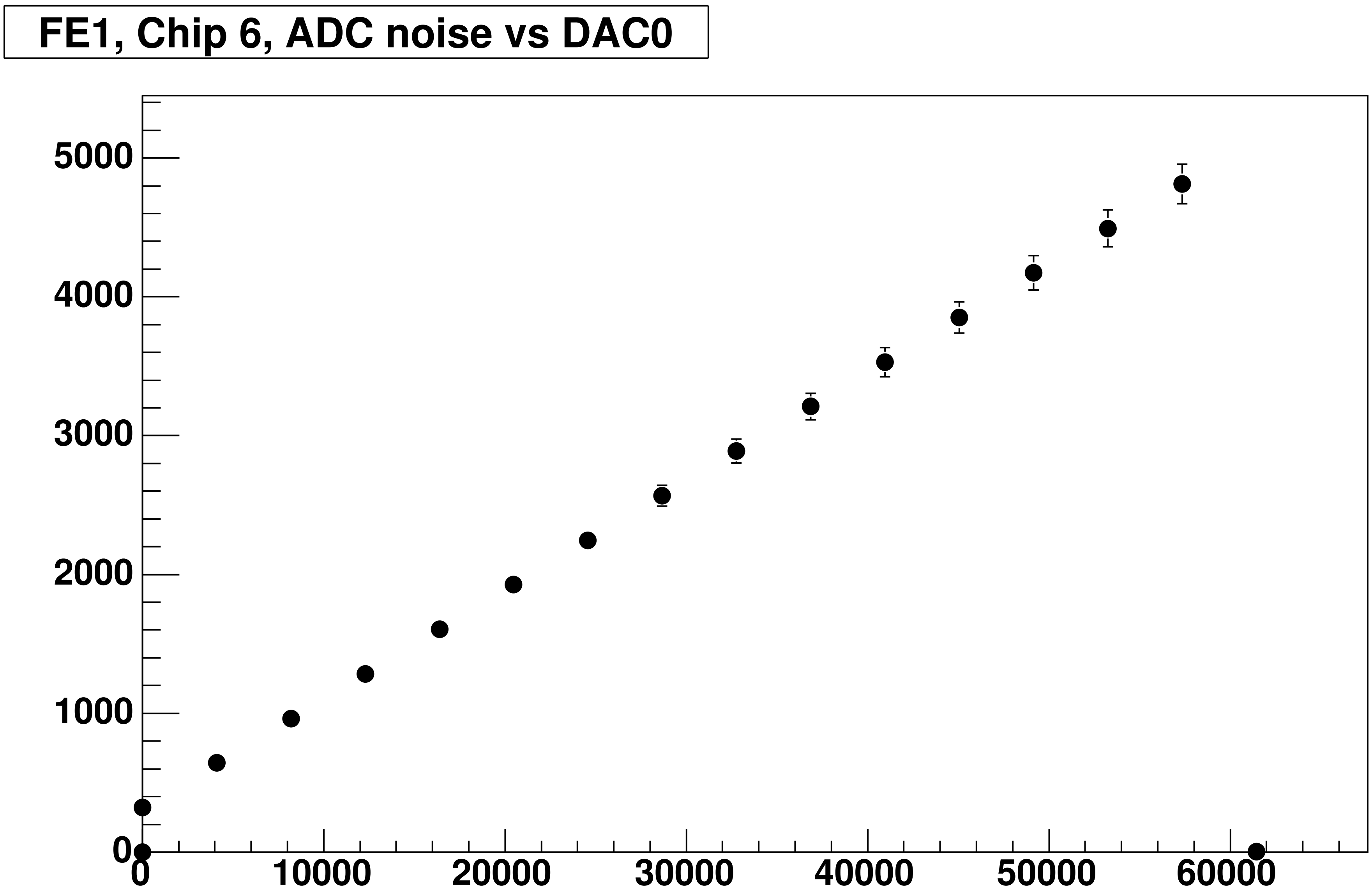

FE1, Chip 5, ADC mean vs DAC1
χ2 / ndf 1.483e-05 / 11
p0 49.85 ± 31.1
p1 0.01409 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

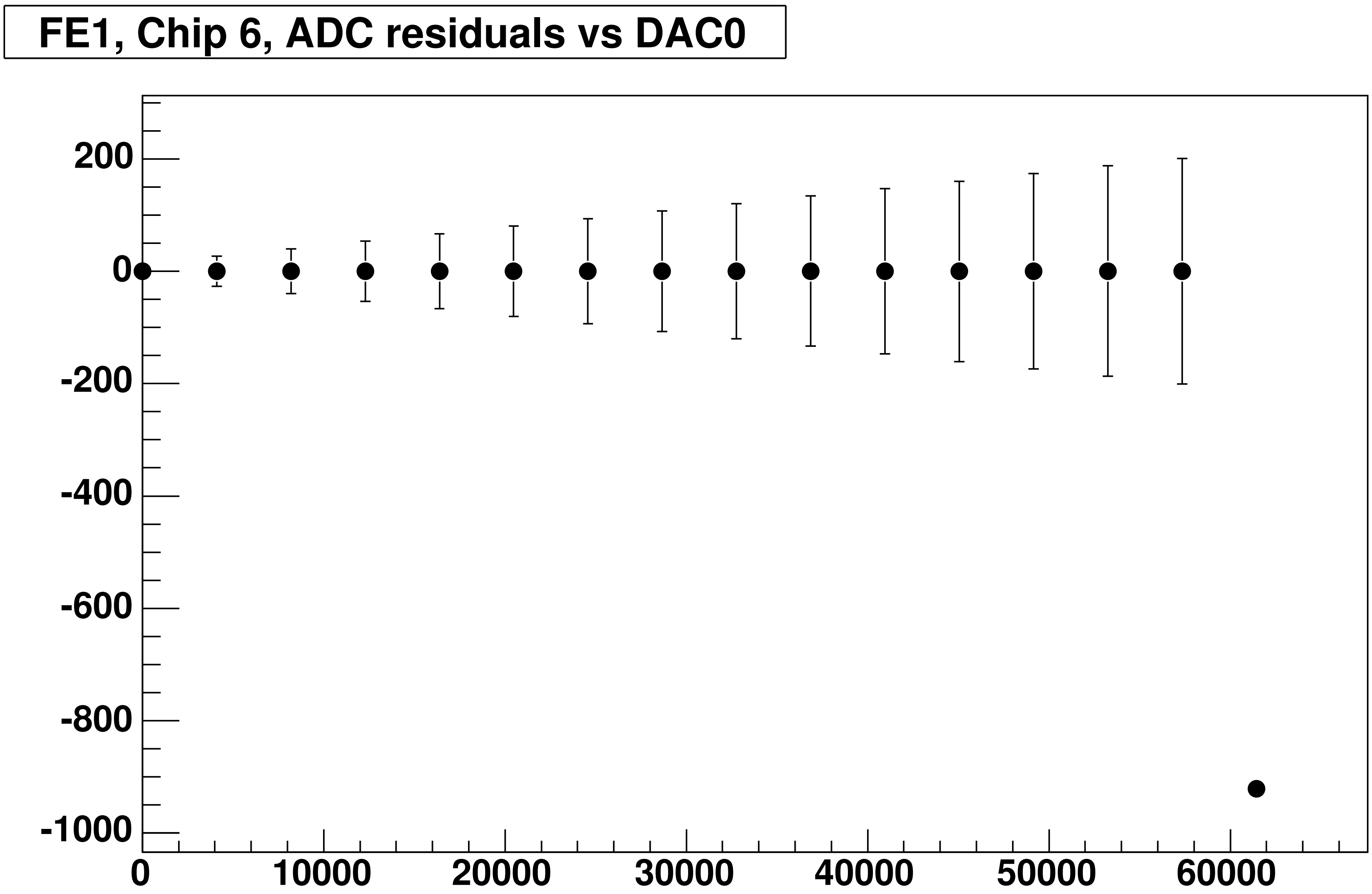

FE1, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

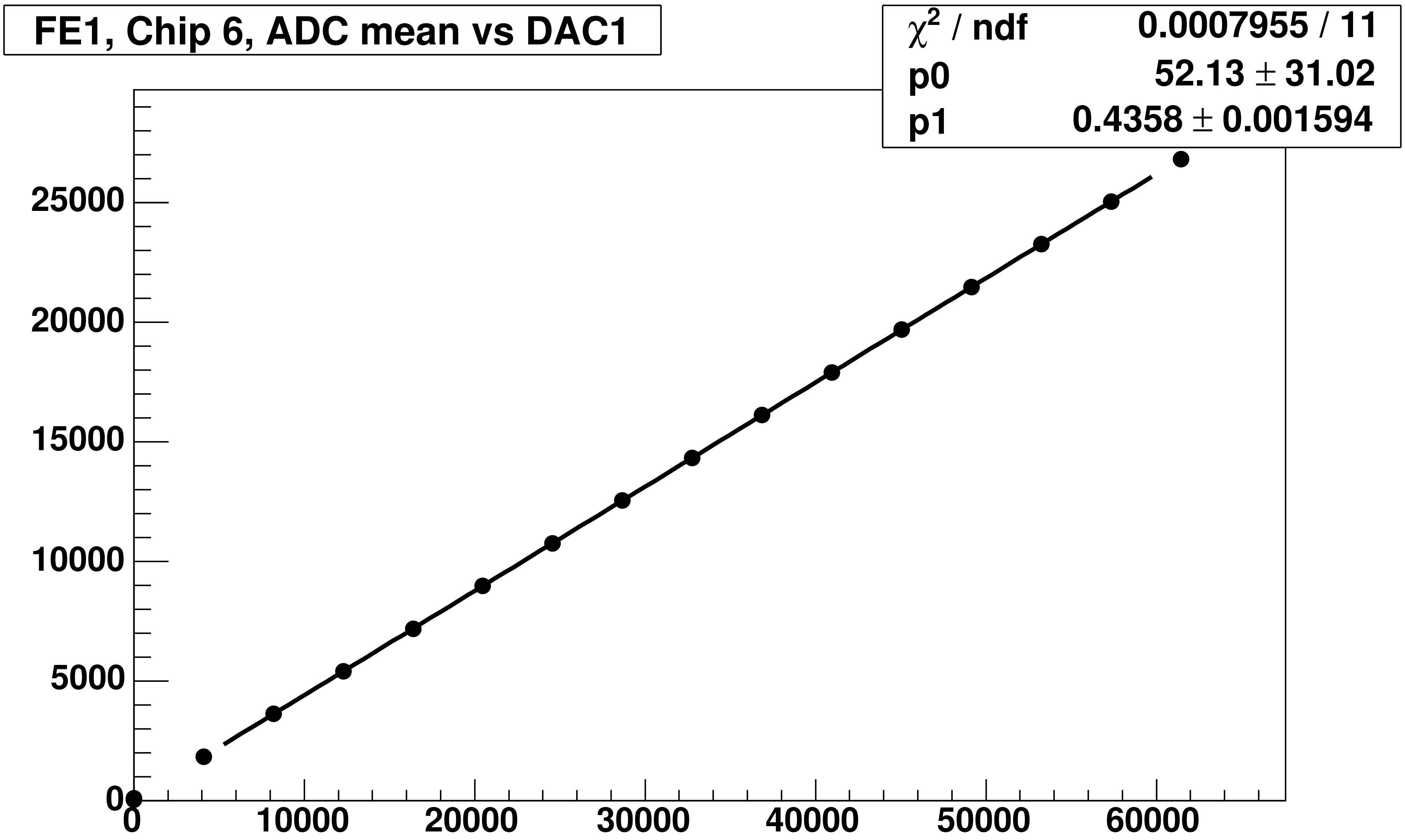

FE1, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



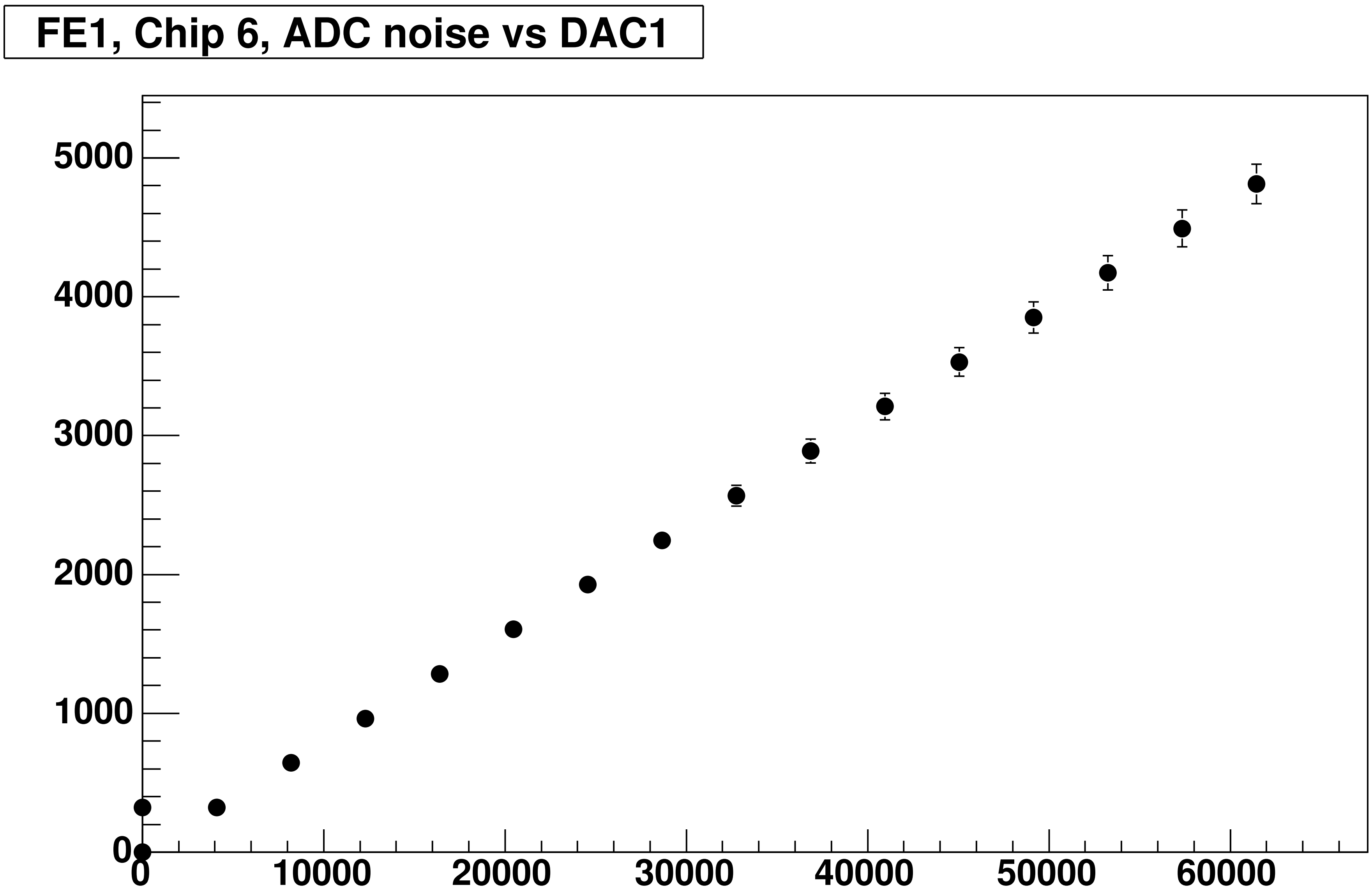
FE1, Chip 6, ADC mean vs DAC0
$\chi^2$ / ndf 1.078e-05 / 11
p0 107.1 ± 41.86
p1 0.01406 ± 0.001886
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

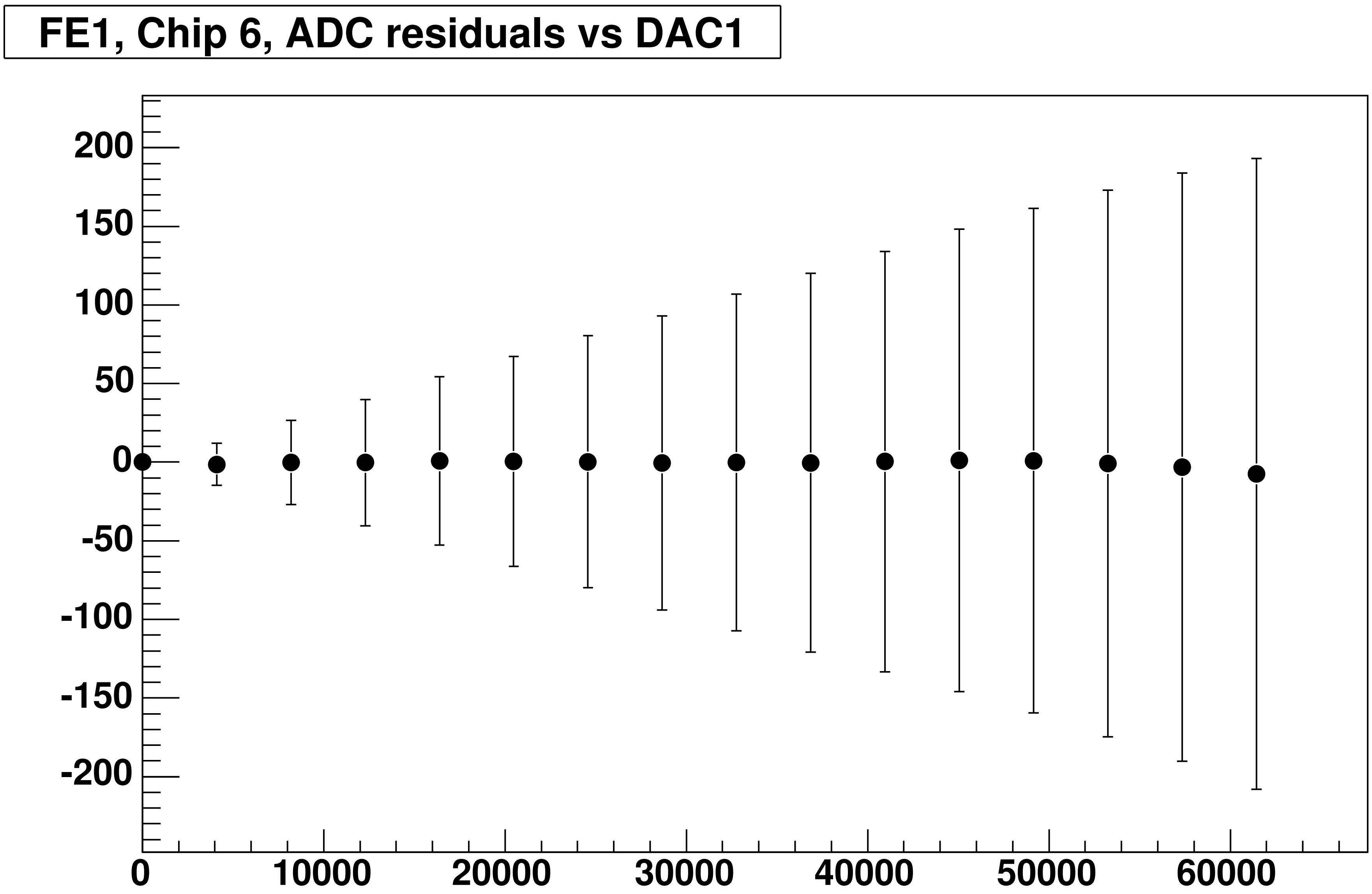

FE1, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

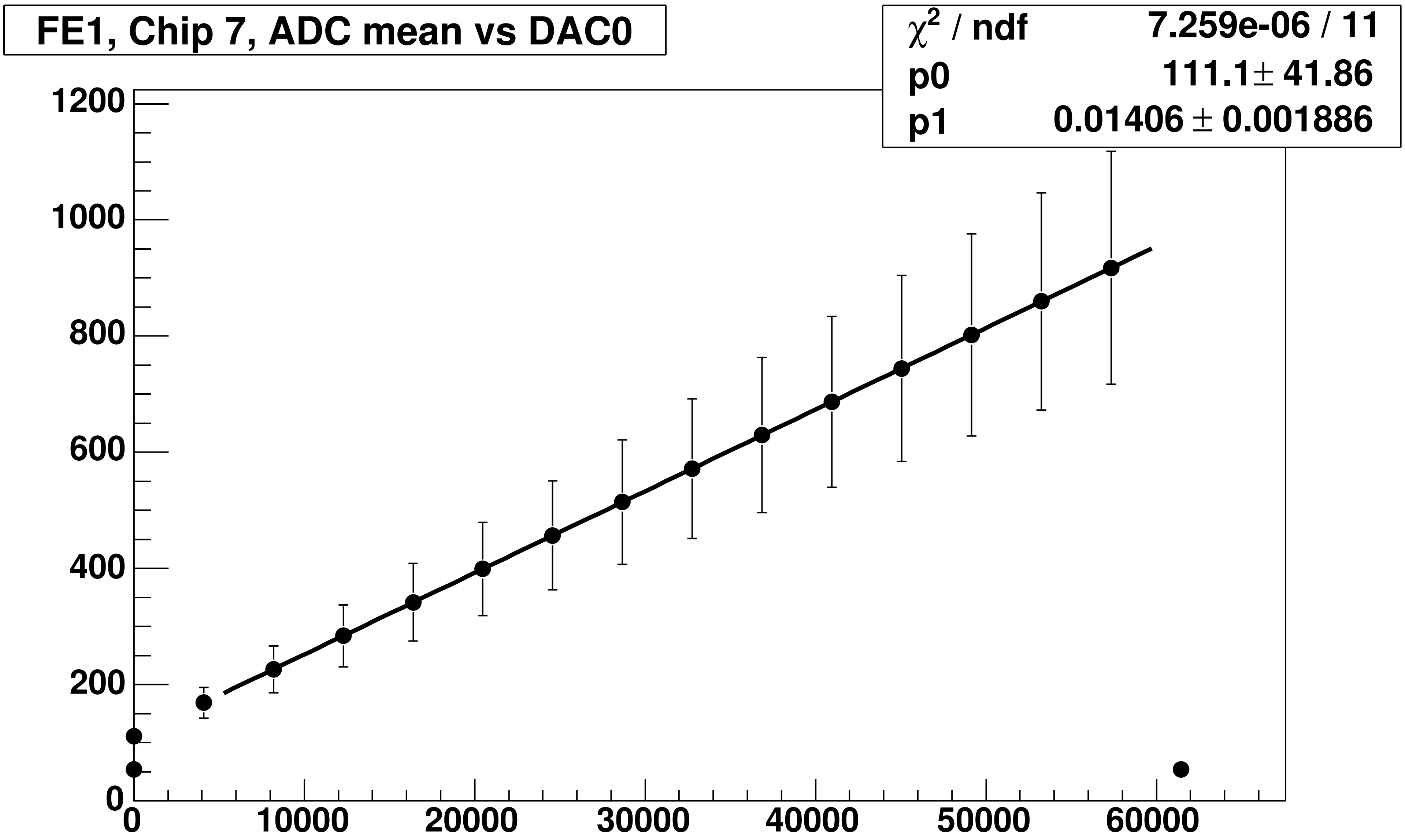

FE1, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



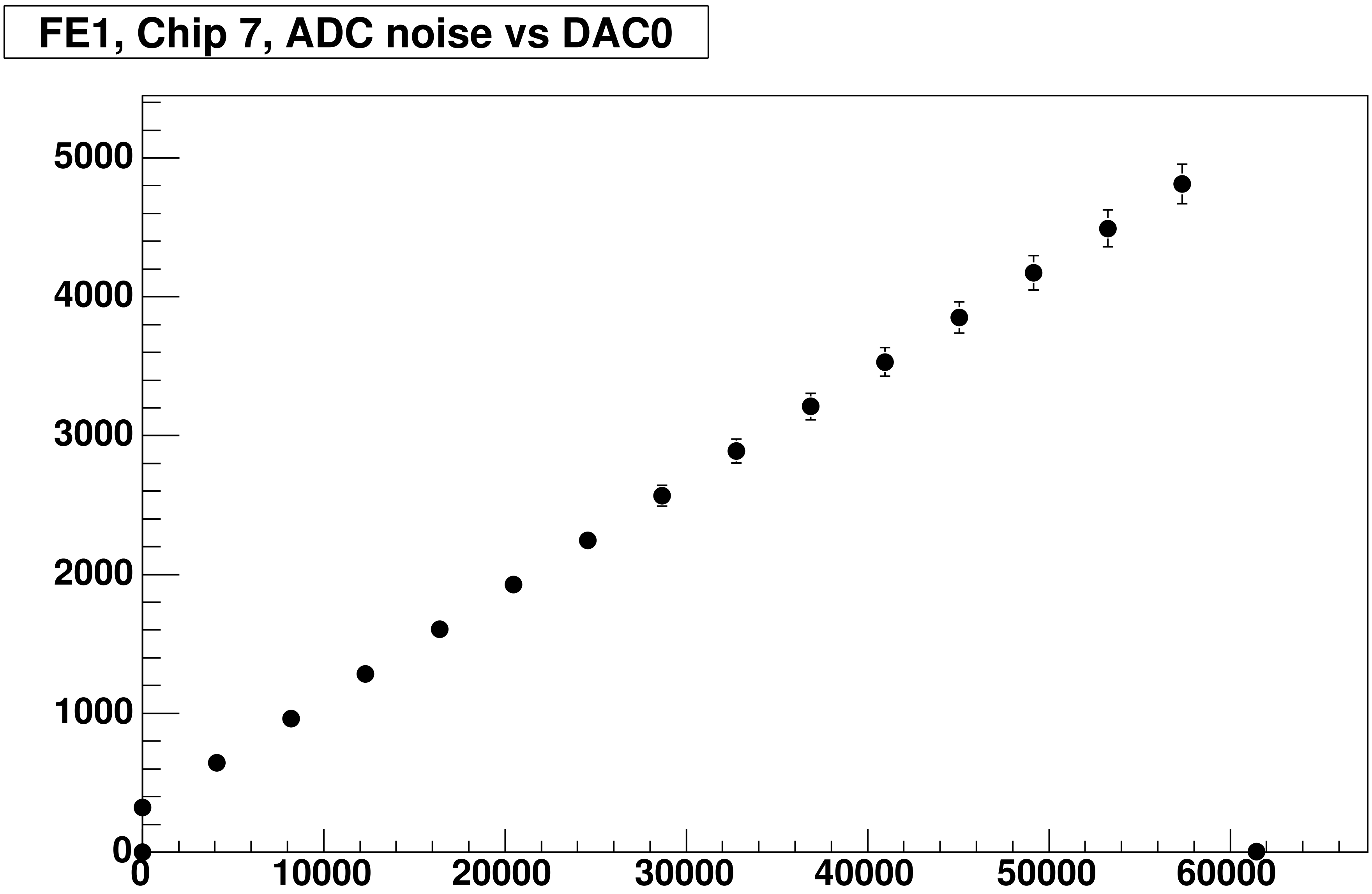
FE1, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.0007955 / 11
p0 52.13 ± 31.02
p1 0.4358 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

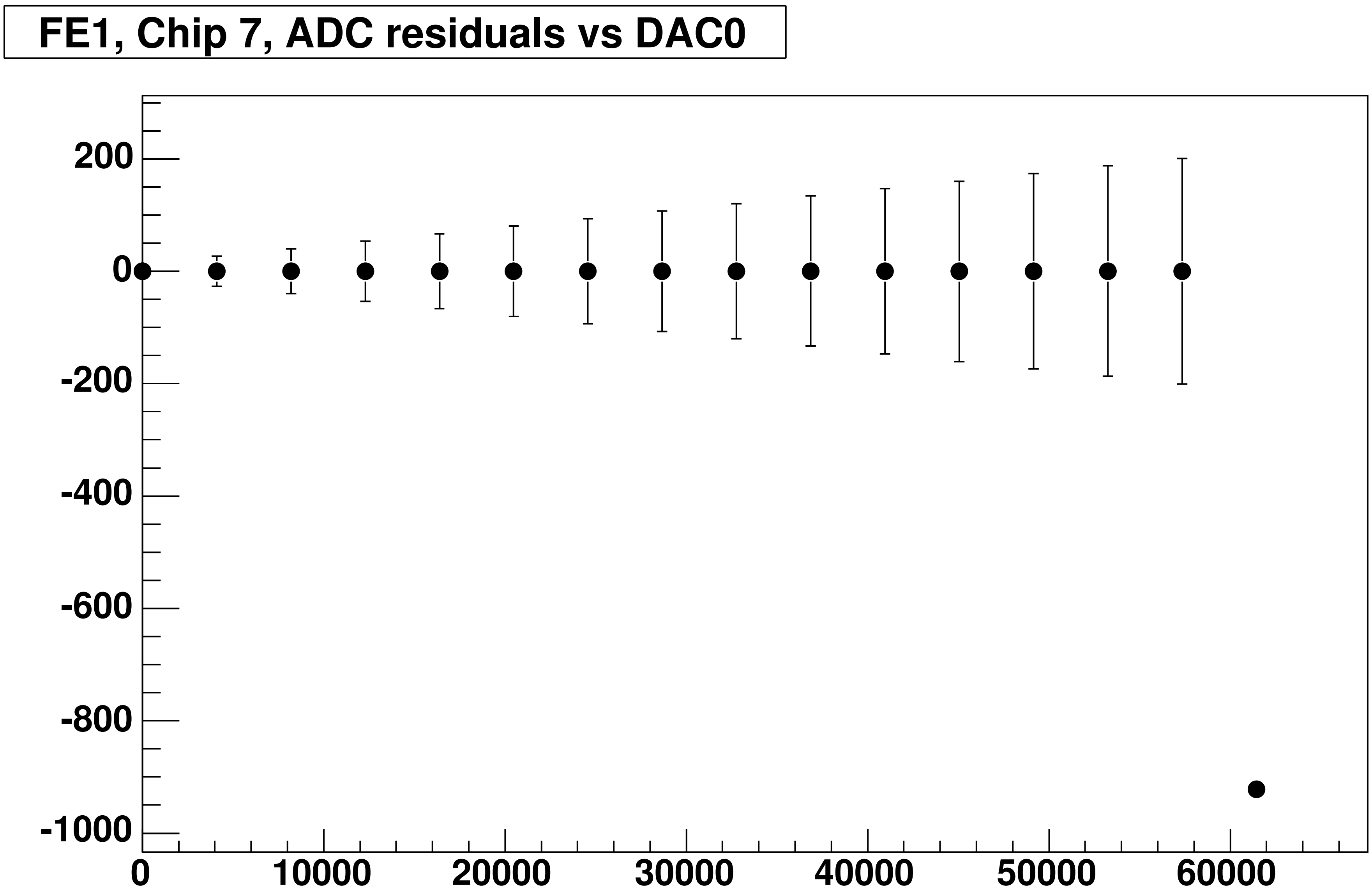

FE1, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

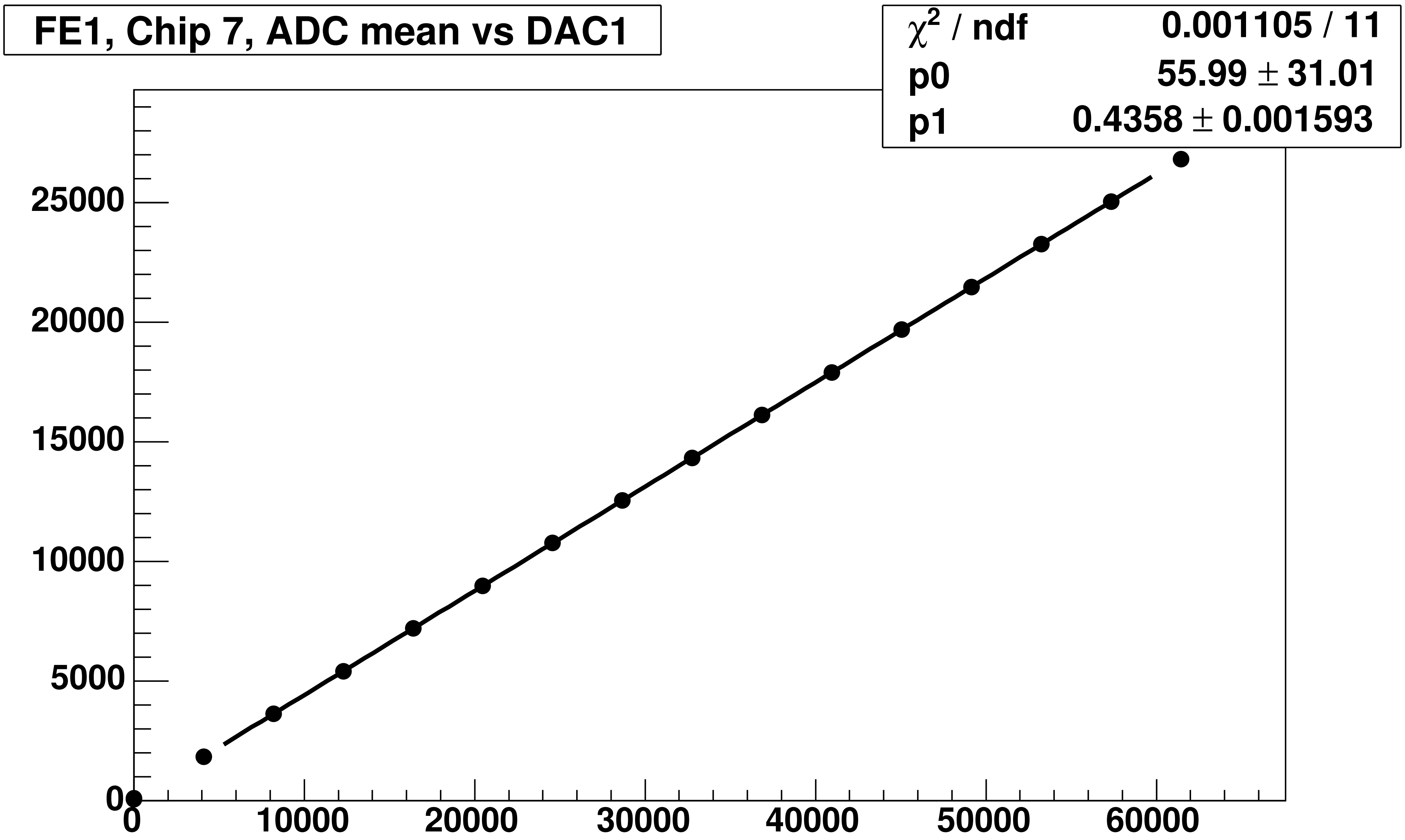

FE1, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



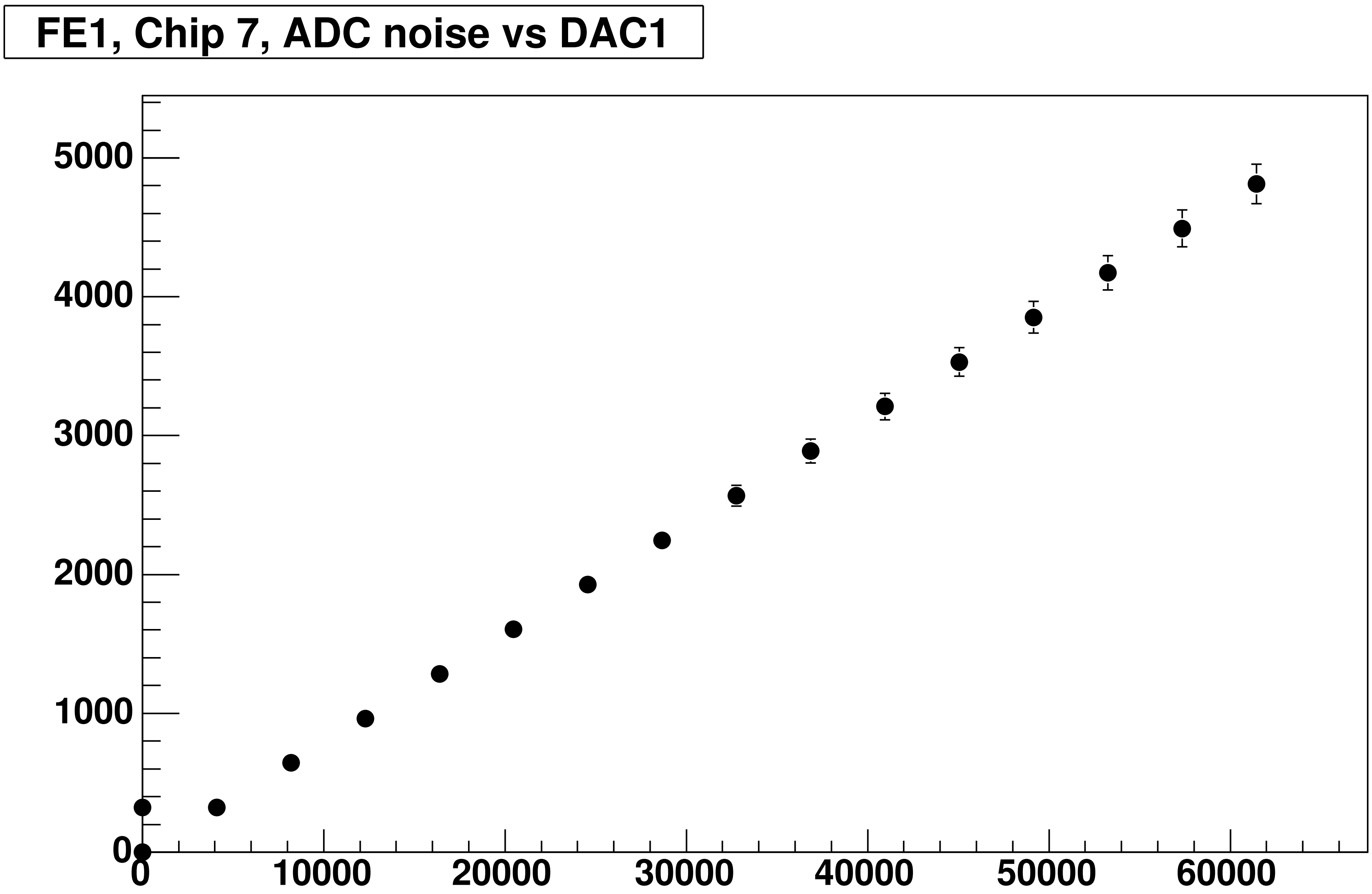
FE1, Chip 7, ADC mean vs DAC0
$\chi^2$ / ndf 7.259e-06 / 11
p0 111.1 ± 41.86
p1 0.01406 ± 0.001886
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

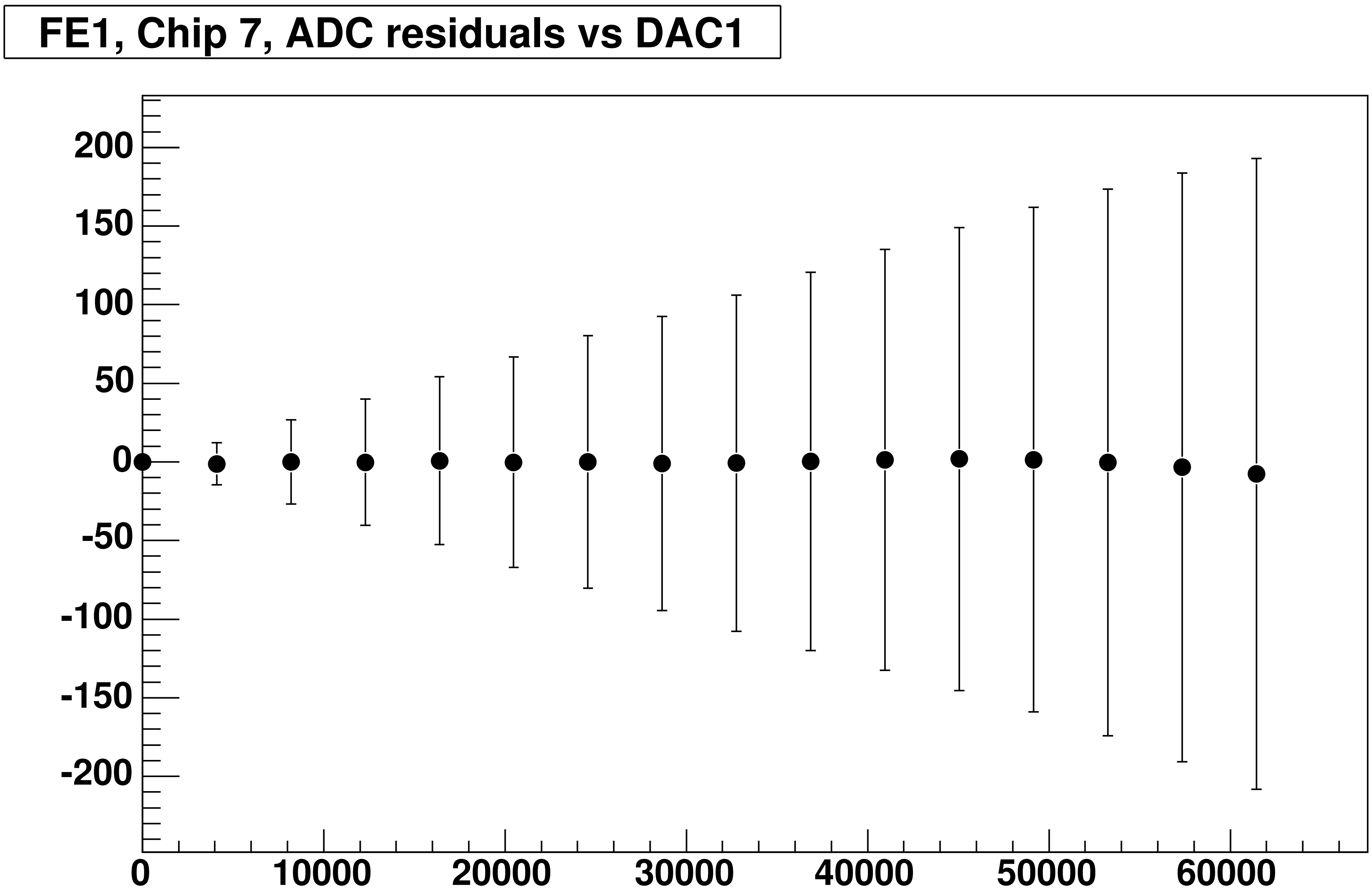

FE1, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

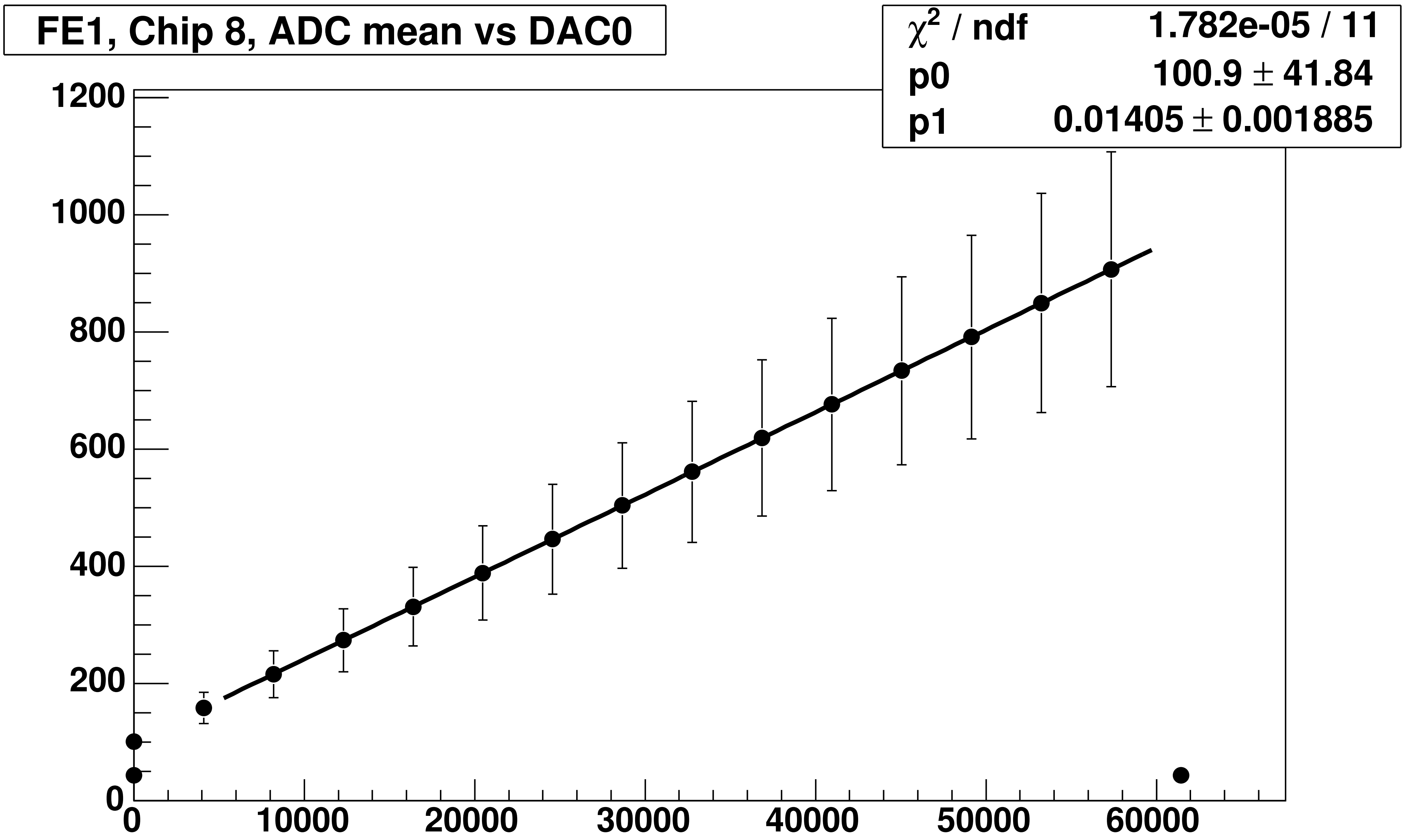

FE1, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

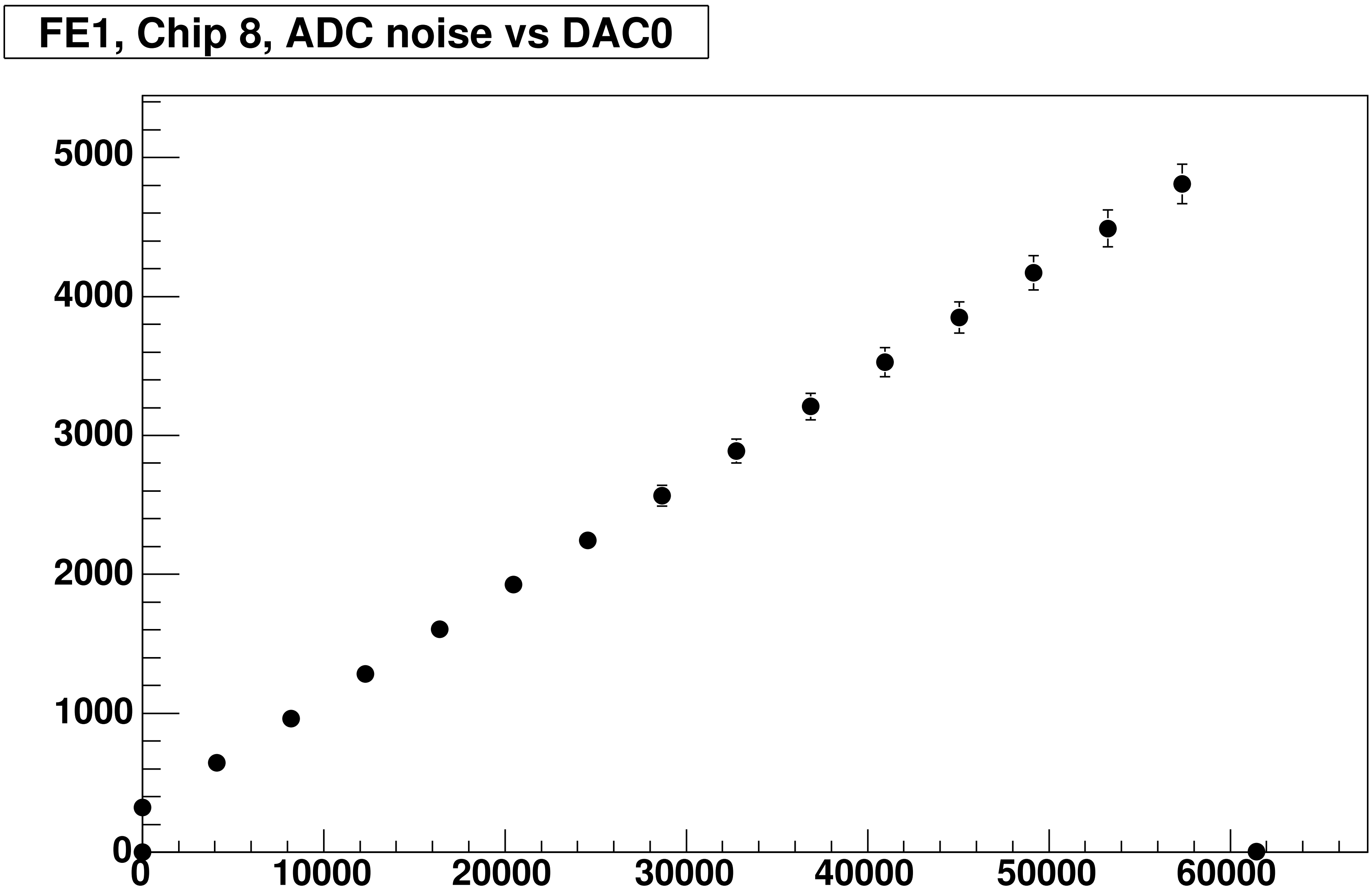


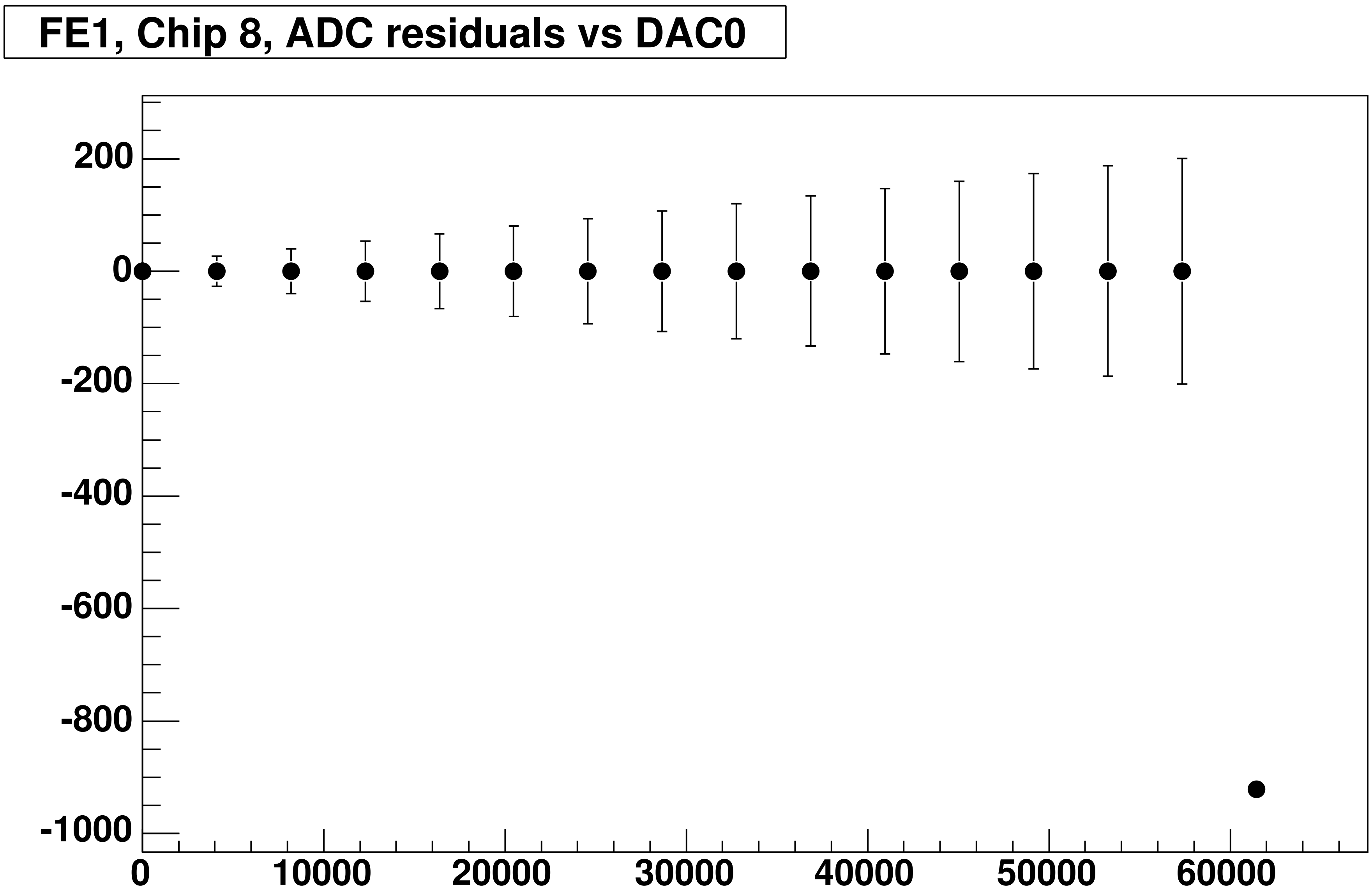
FE1, Chip 7, ADC mean vs DAC1
$\chi^2$ / ndf 0.001105 / 11
p0 55.99 ± 31.01
p1 0.4358 ± 0.001593
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

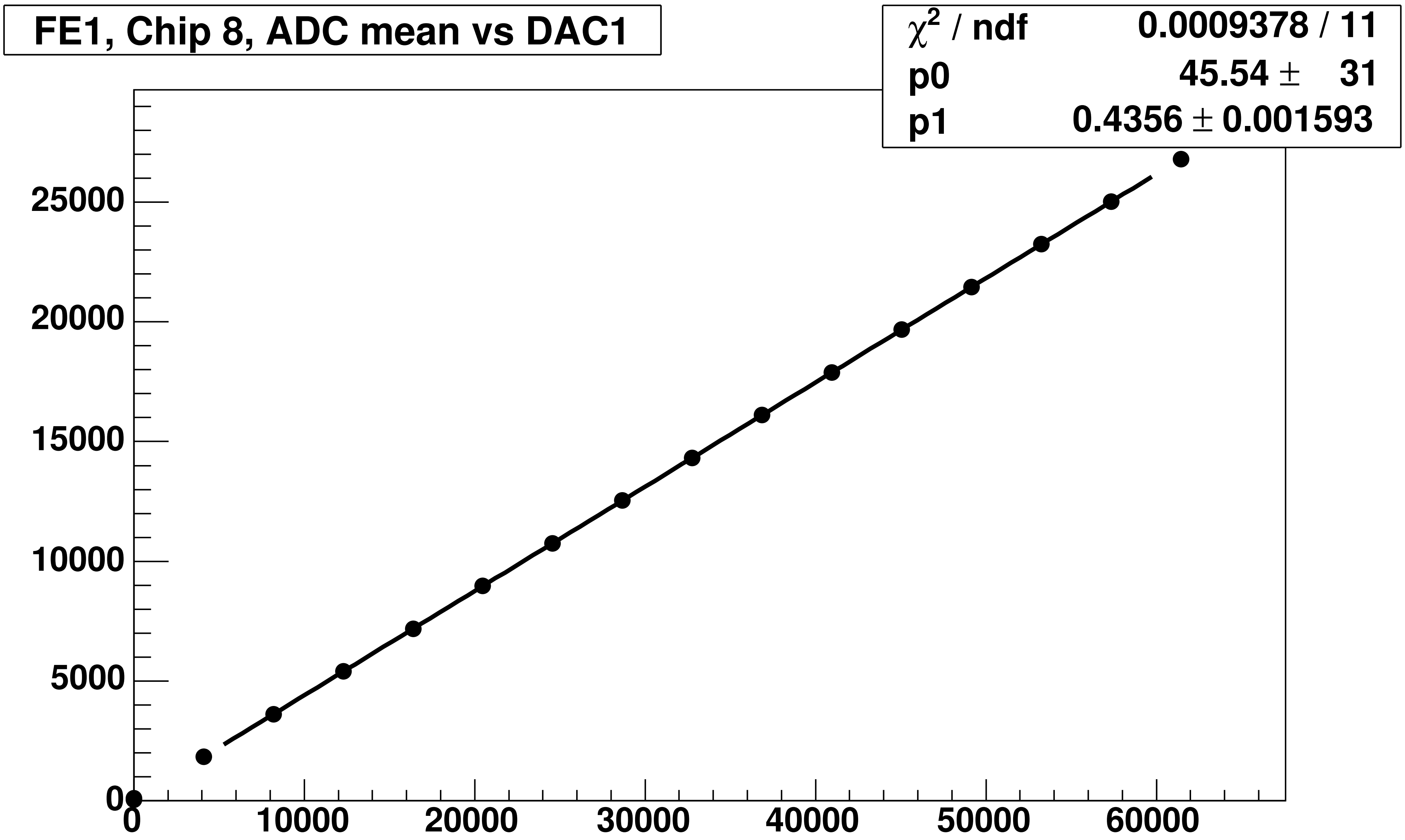

FE1, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

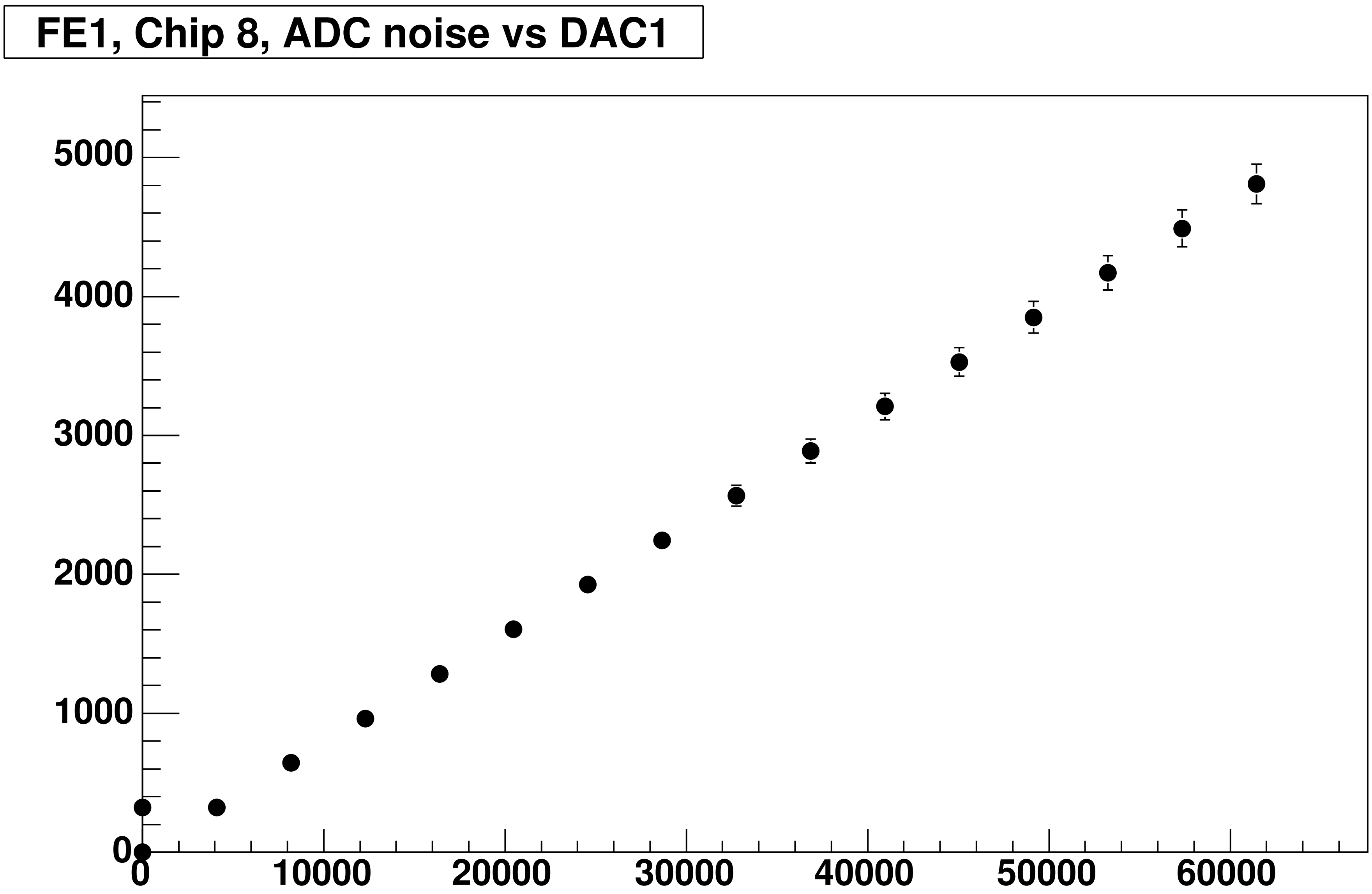

FE1, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

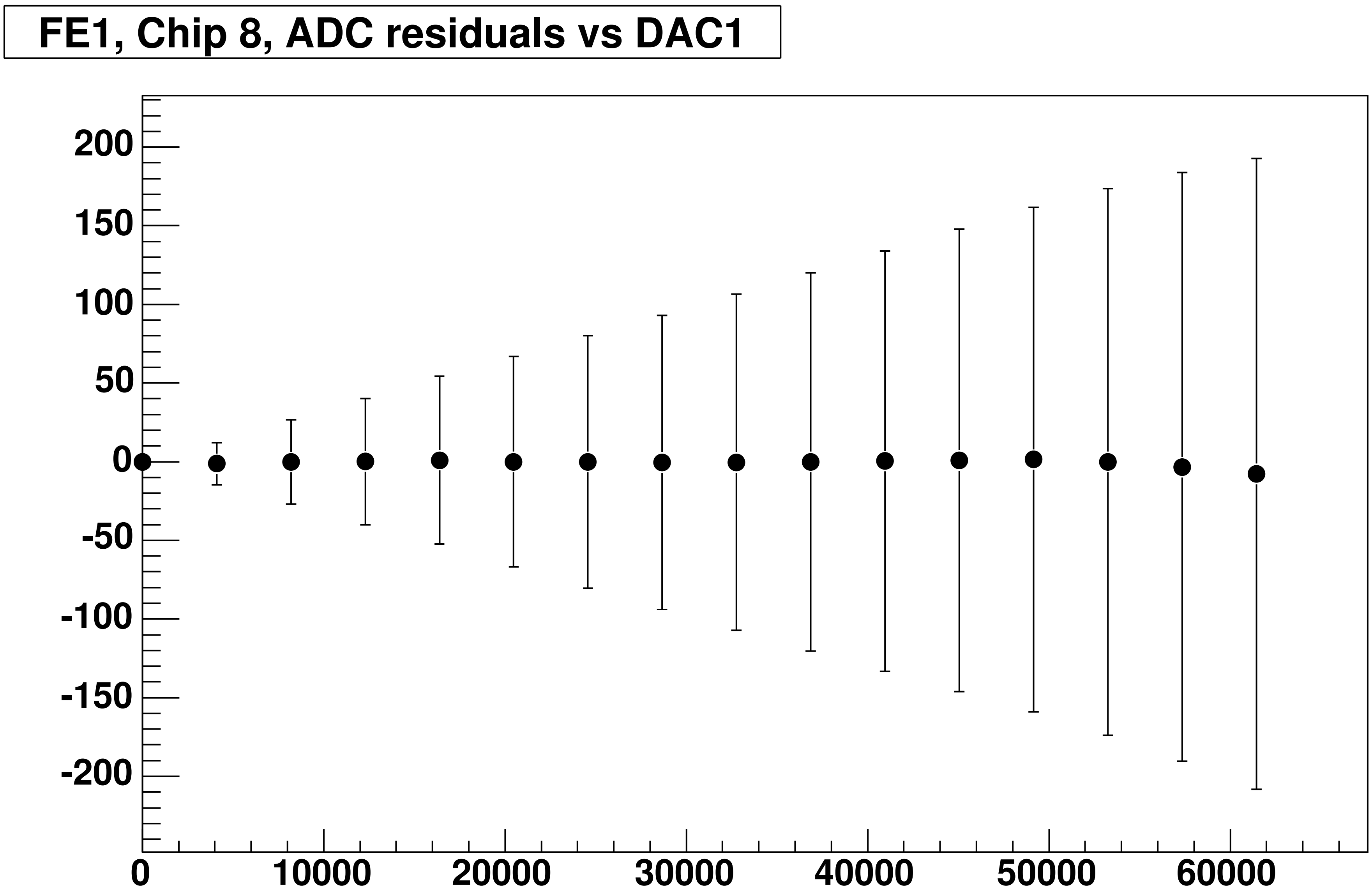

FE1, Chip 8, ADC mean vs DAC0
$\chi^2$ / ndf 1.782e-05 / 11
p0 100.9 ± 41.84
p1 0.01405 ± 0.001885
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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

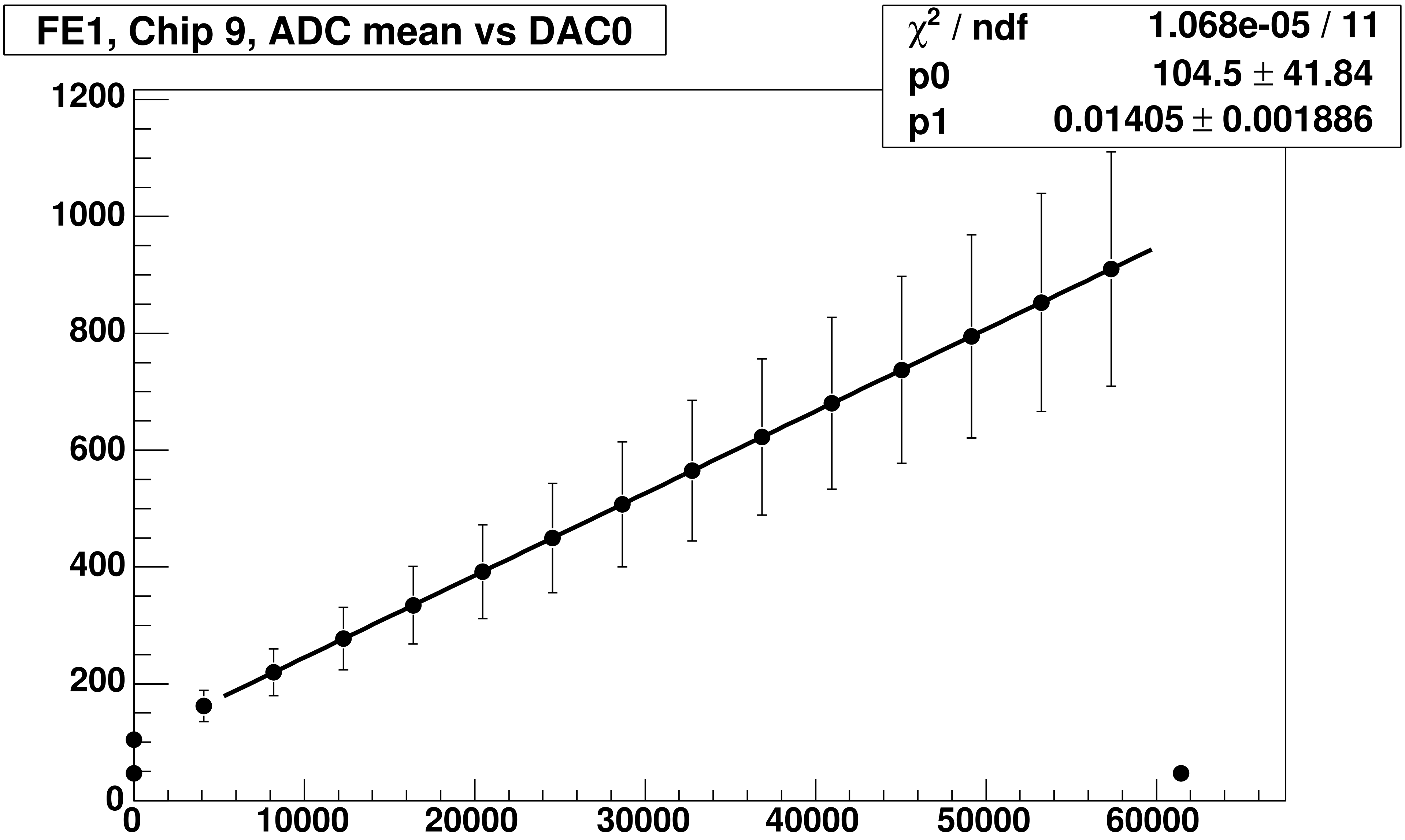

FE1, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 8, ADC mean vs DAC1
χ2 / ndf 0.0009378 / 11
p0 45.54 ± 31
p1 0.4356 ± 0.001593
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

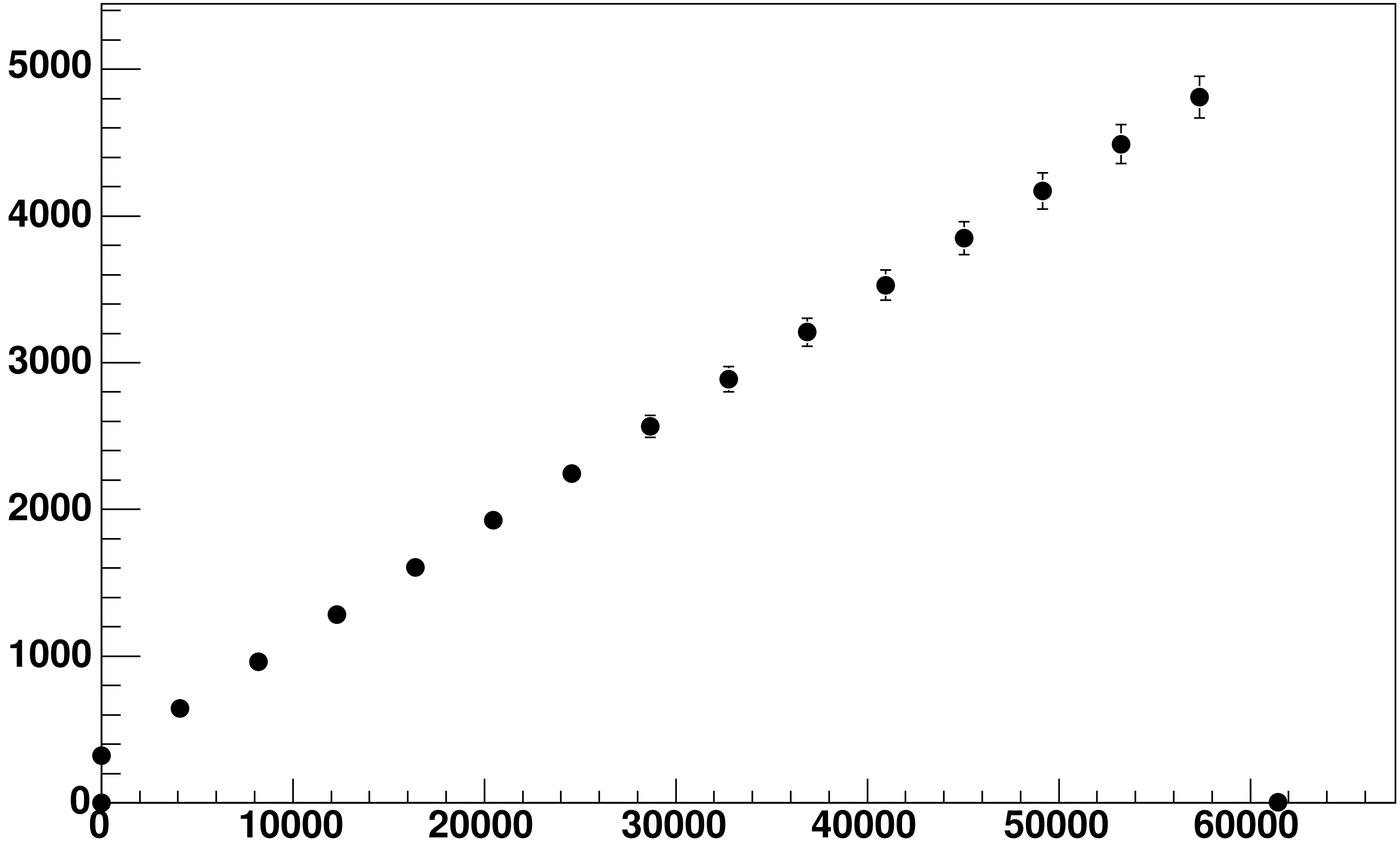


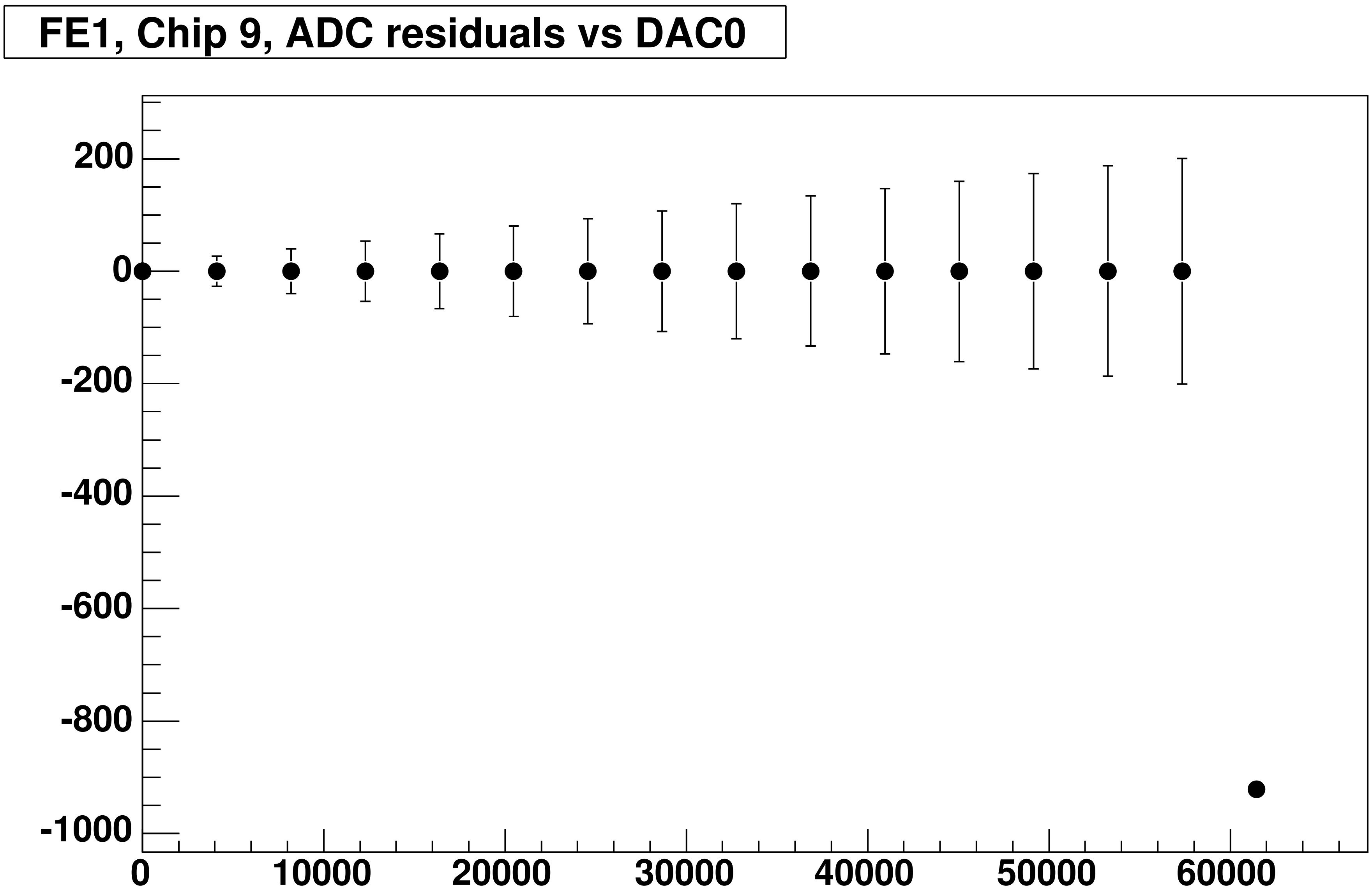
FE1, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

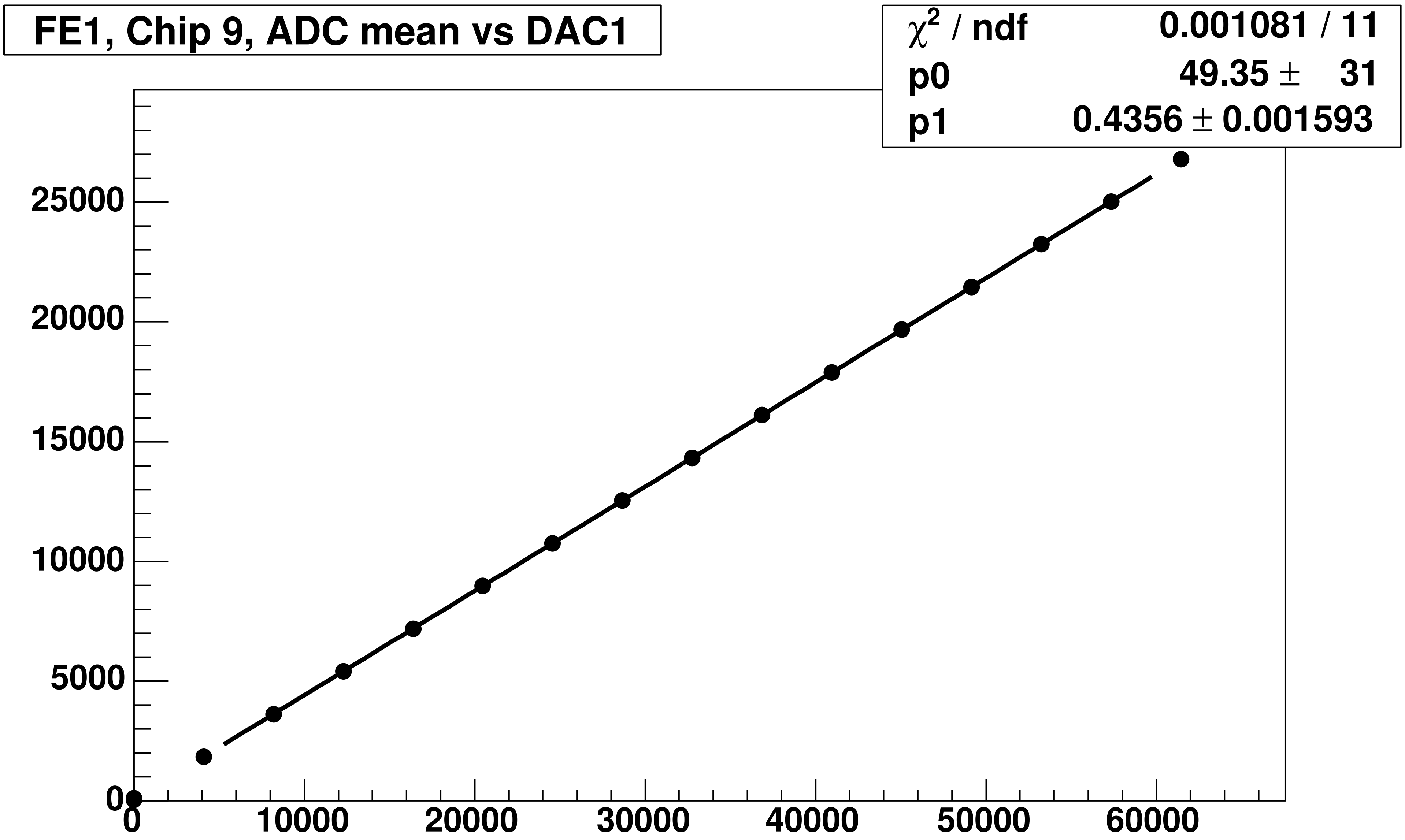


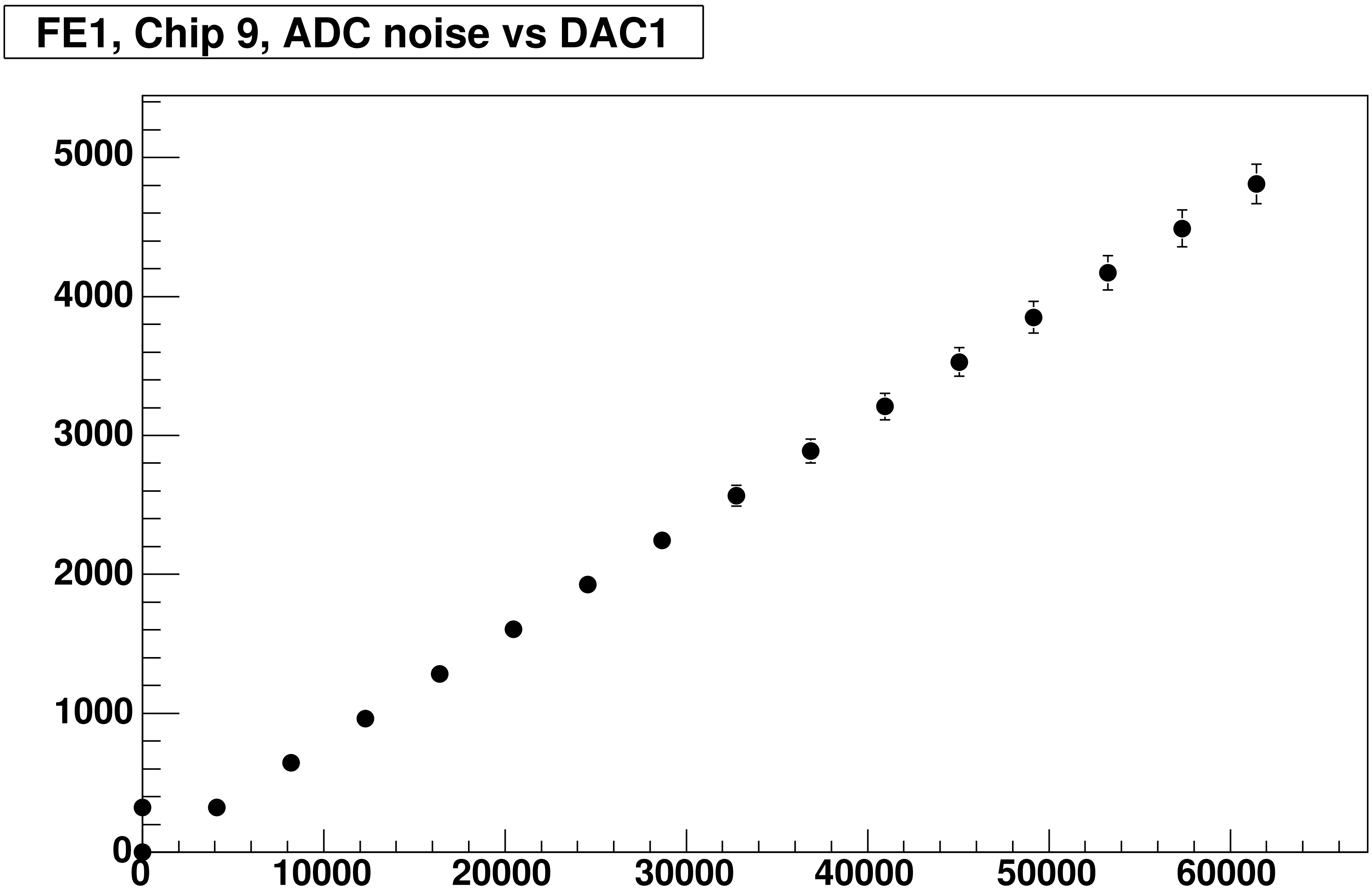
FE1, Chip 9, ADC mean vs DAC0
χ2 / ndf 1.068e-05 / 11
p0 104.5 ± 41.84
p1 0.01405 ± 0.001886
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

FE1, Chip 9, ADC noise vs DAC0

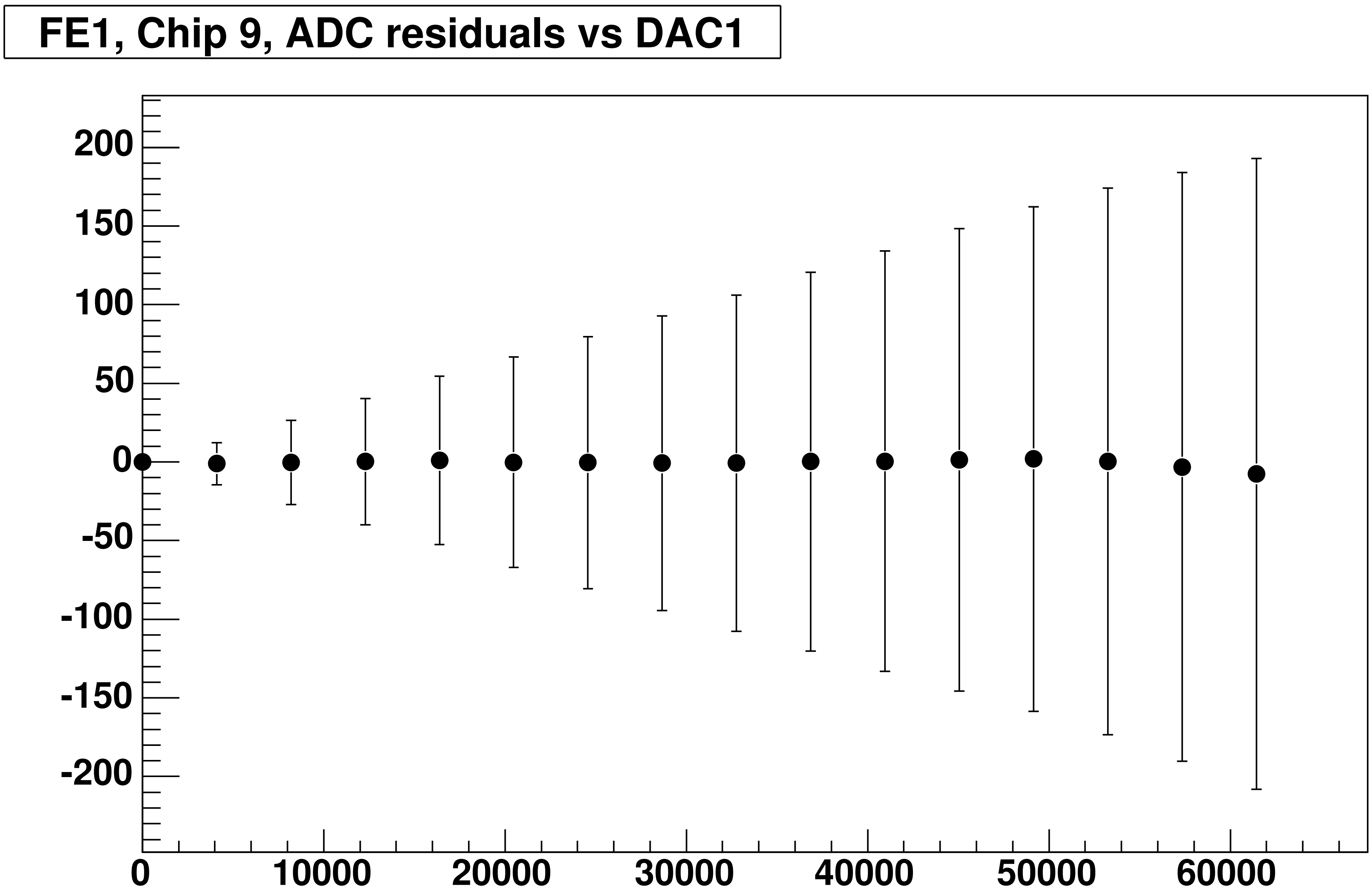



FE1, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

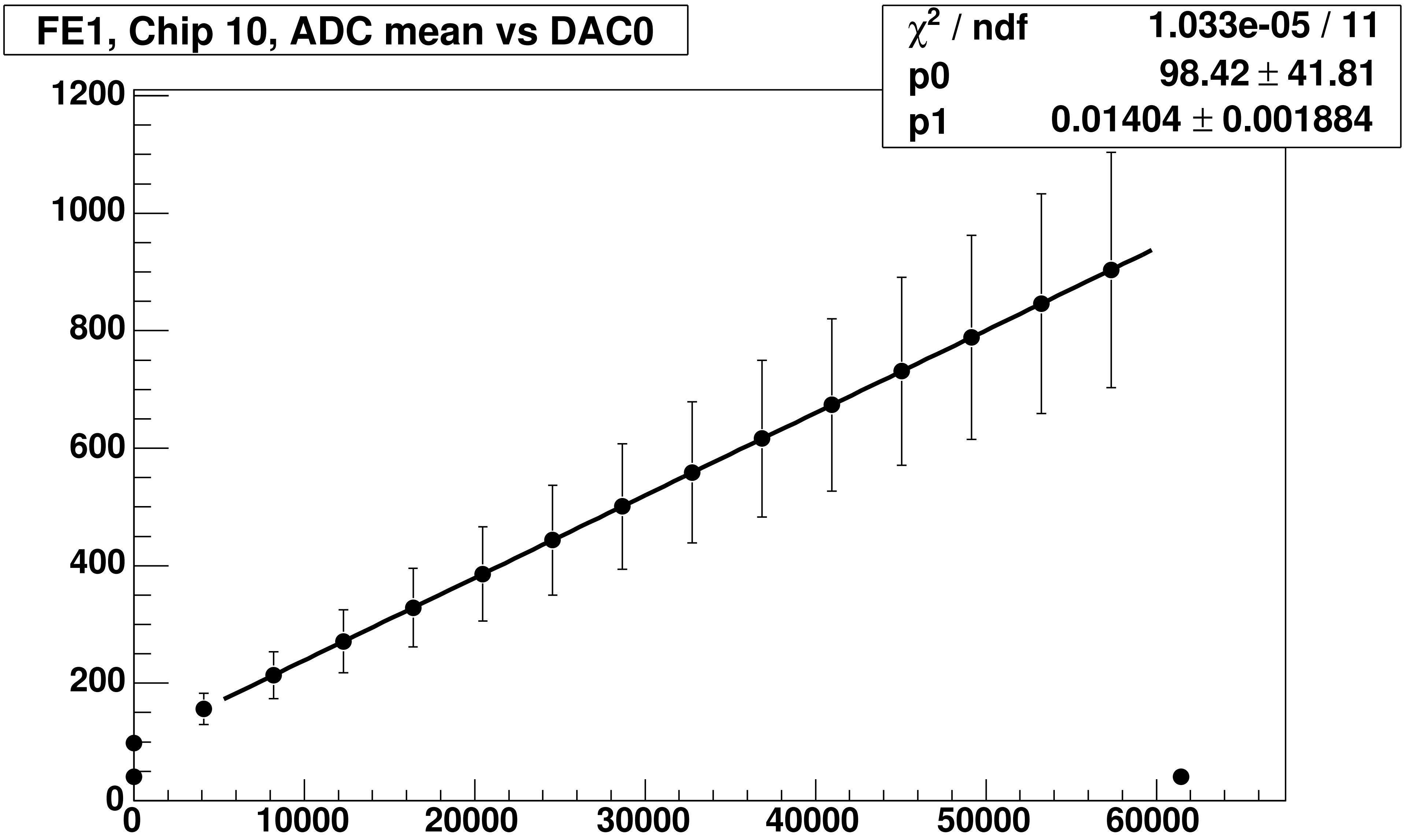

FE1, Chip 9, ADC mean vs DAC1
$\chi^2$ / ndf 0.001081 / 11
p0 49.35 ± 31
p1 0.4356 ± 0.001593
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



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

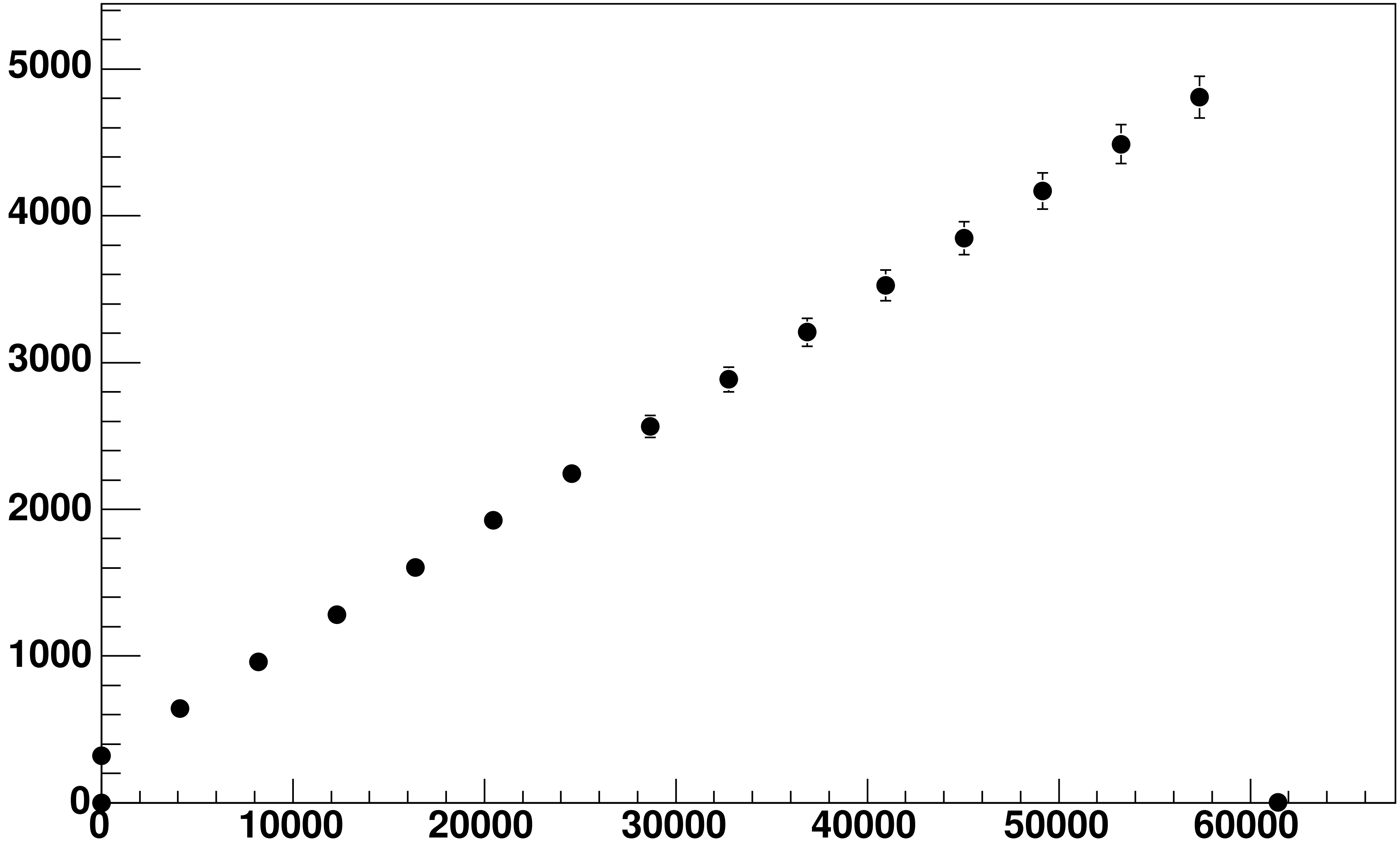


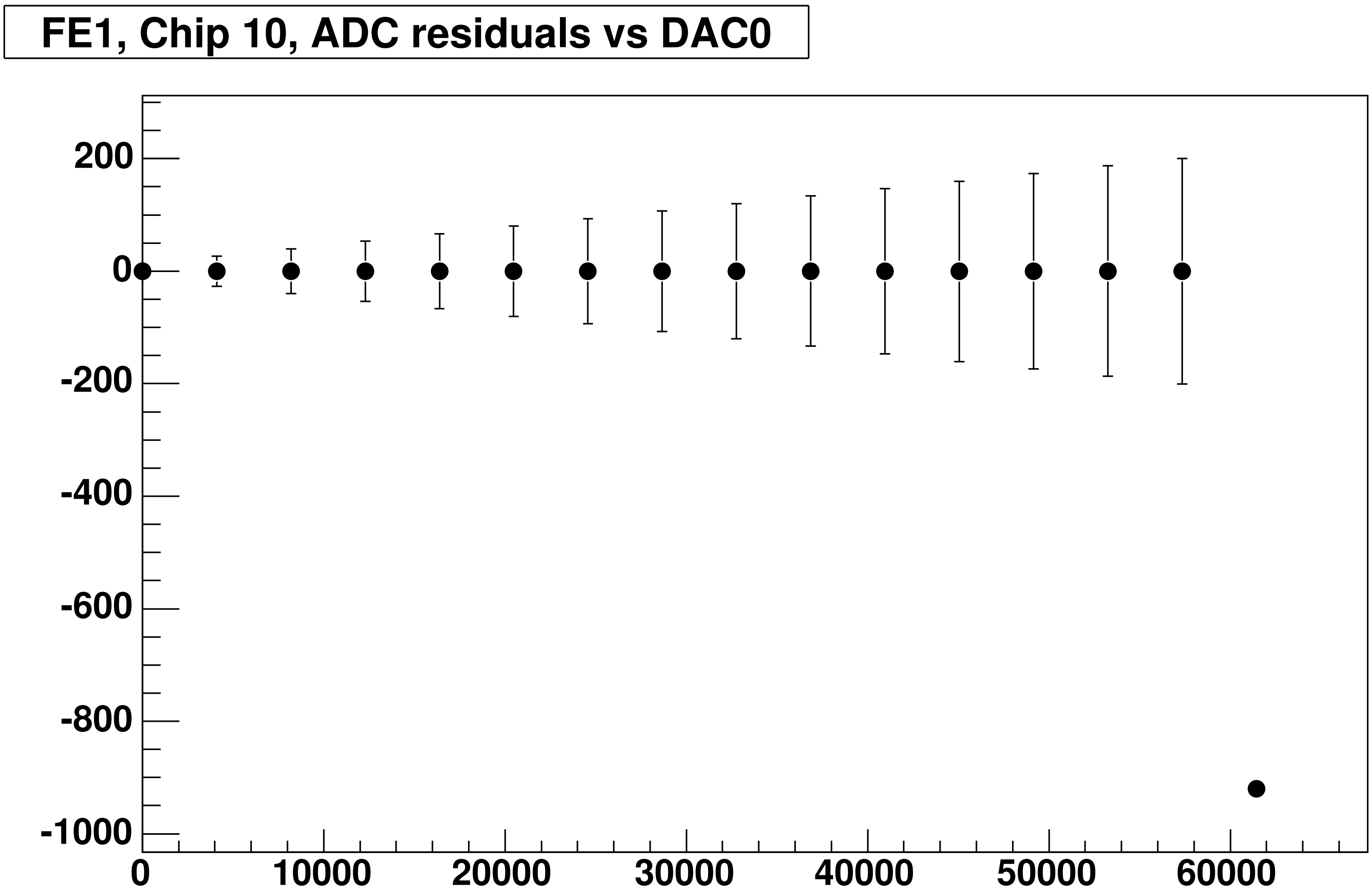
FE1, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

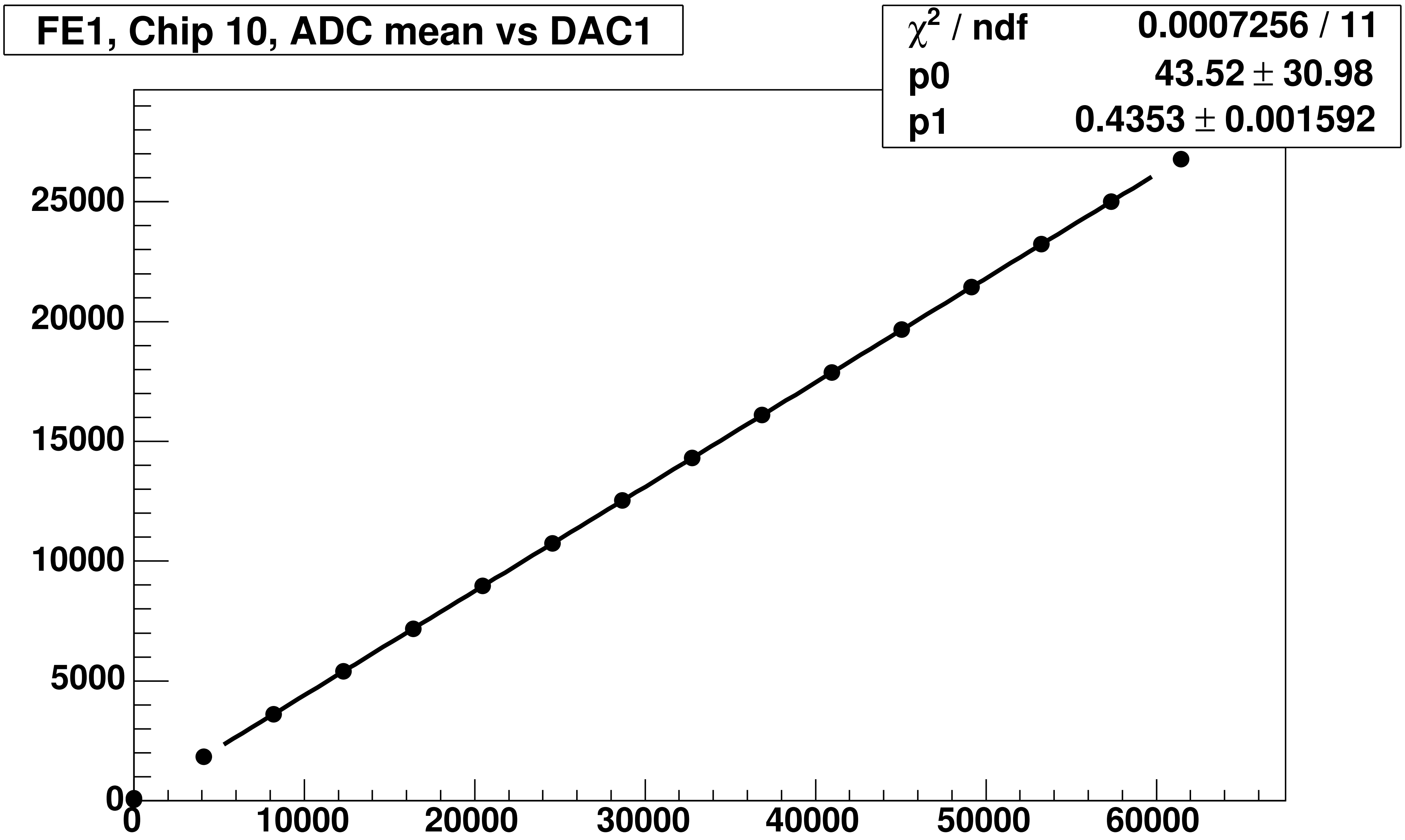


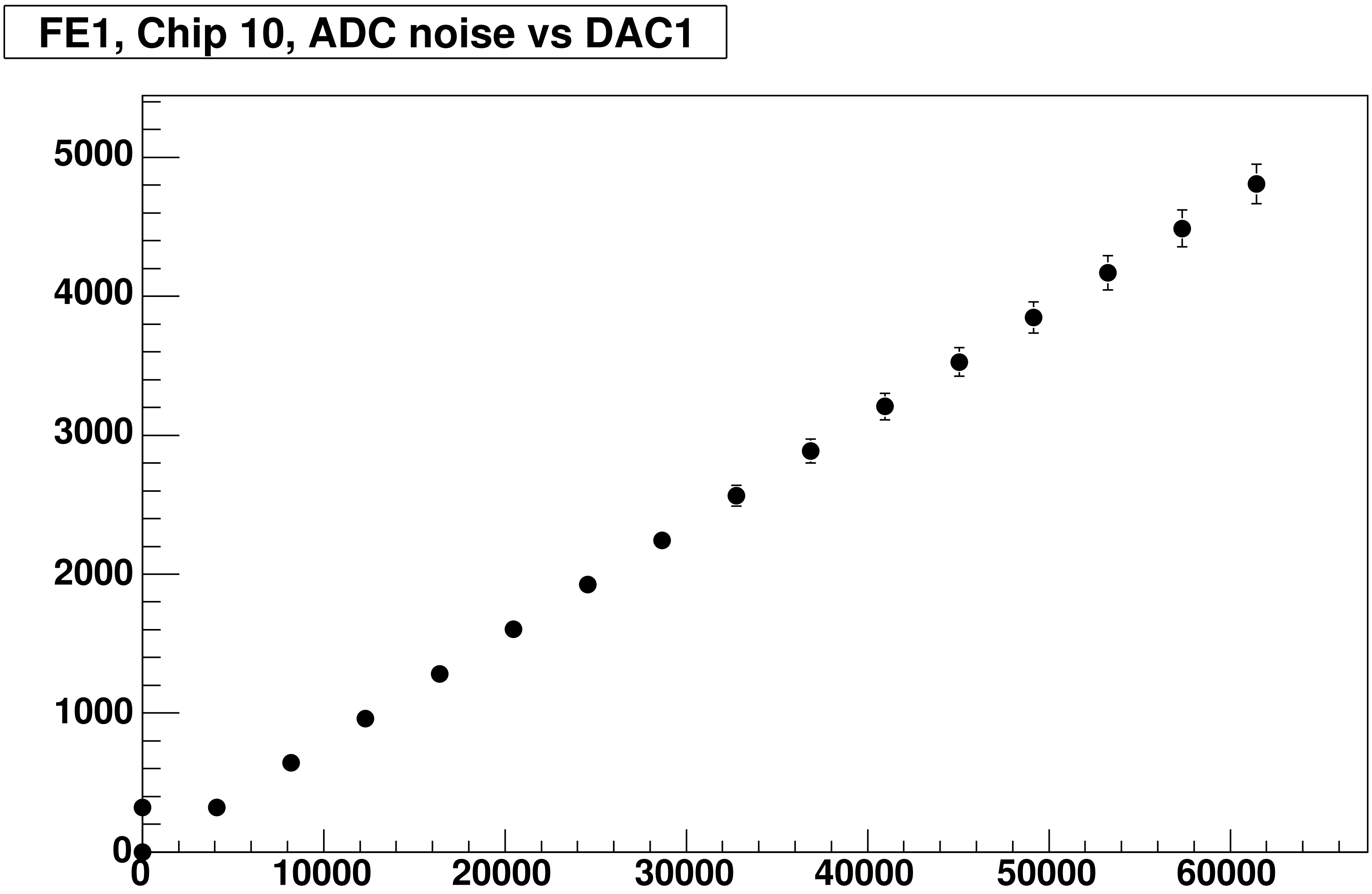
FE1, Chip 10, ADC mean vs DAC0
χ2 / ndf 1.033e-05 / 11
p0 98.42 ± 41.81
p1 0.01404 ± 0.001884
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

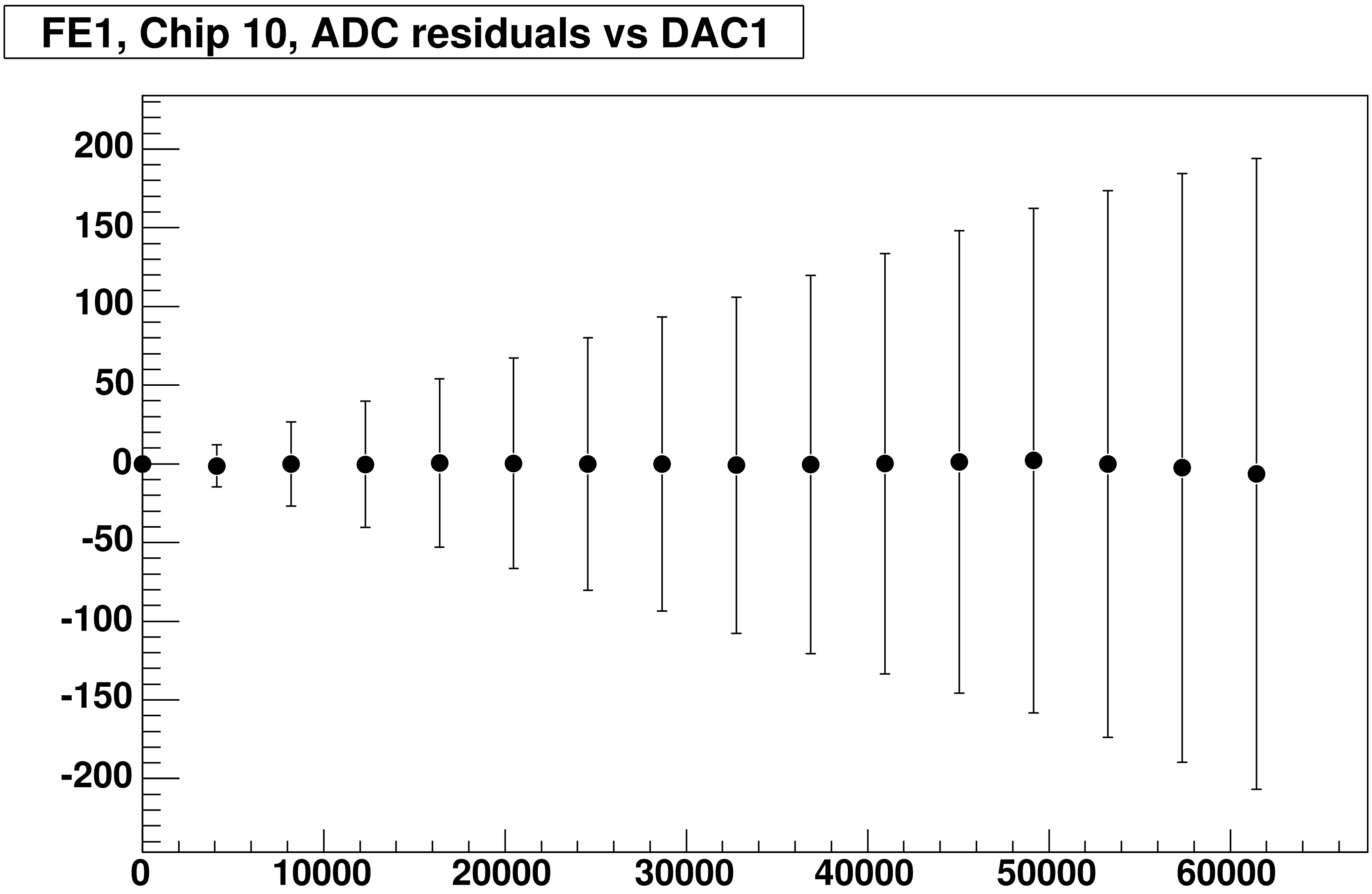
FE1, Chip 10, ADC noise vs DAC0

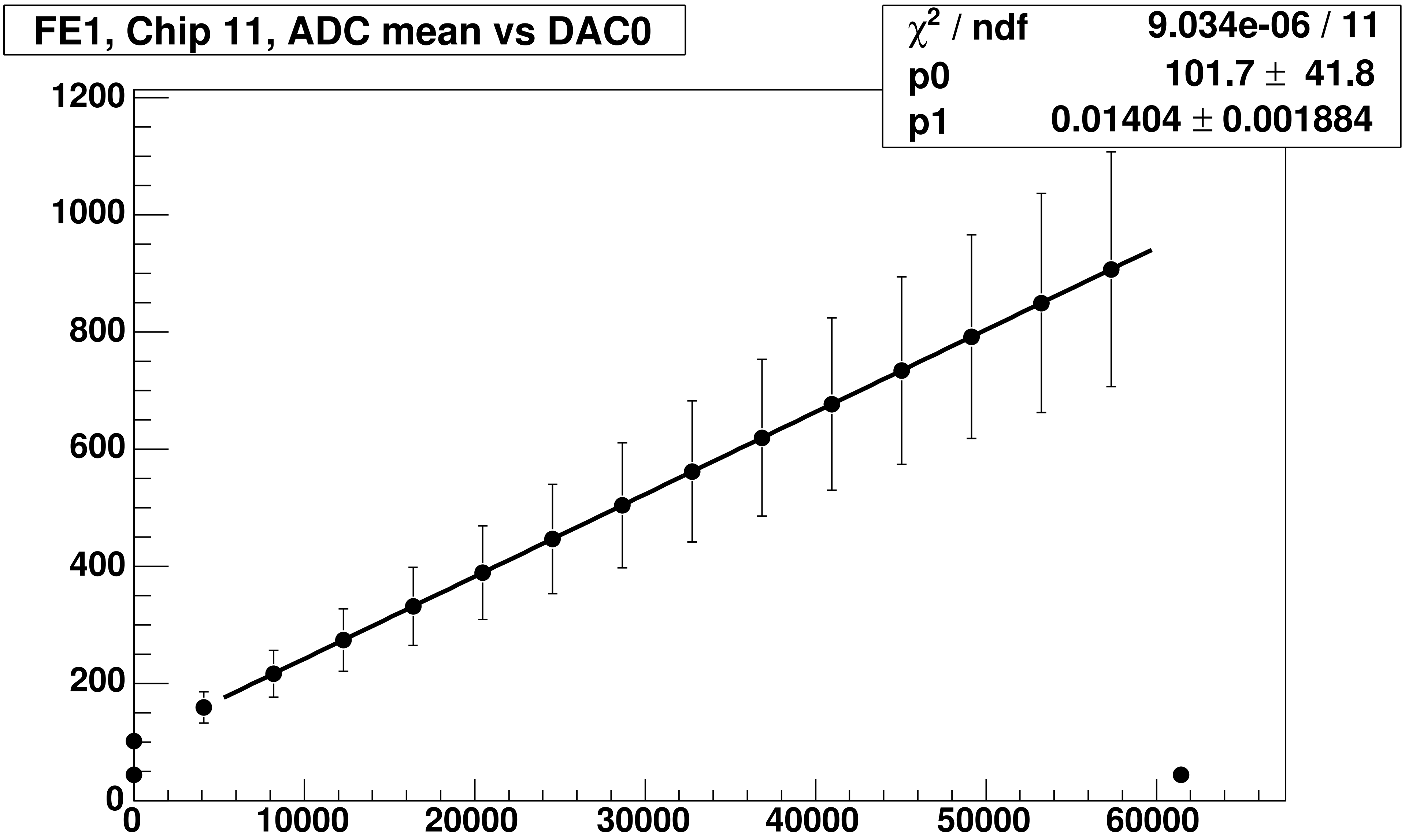


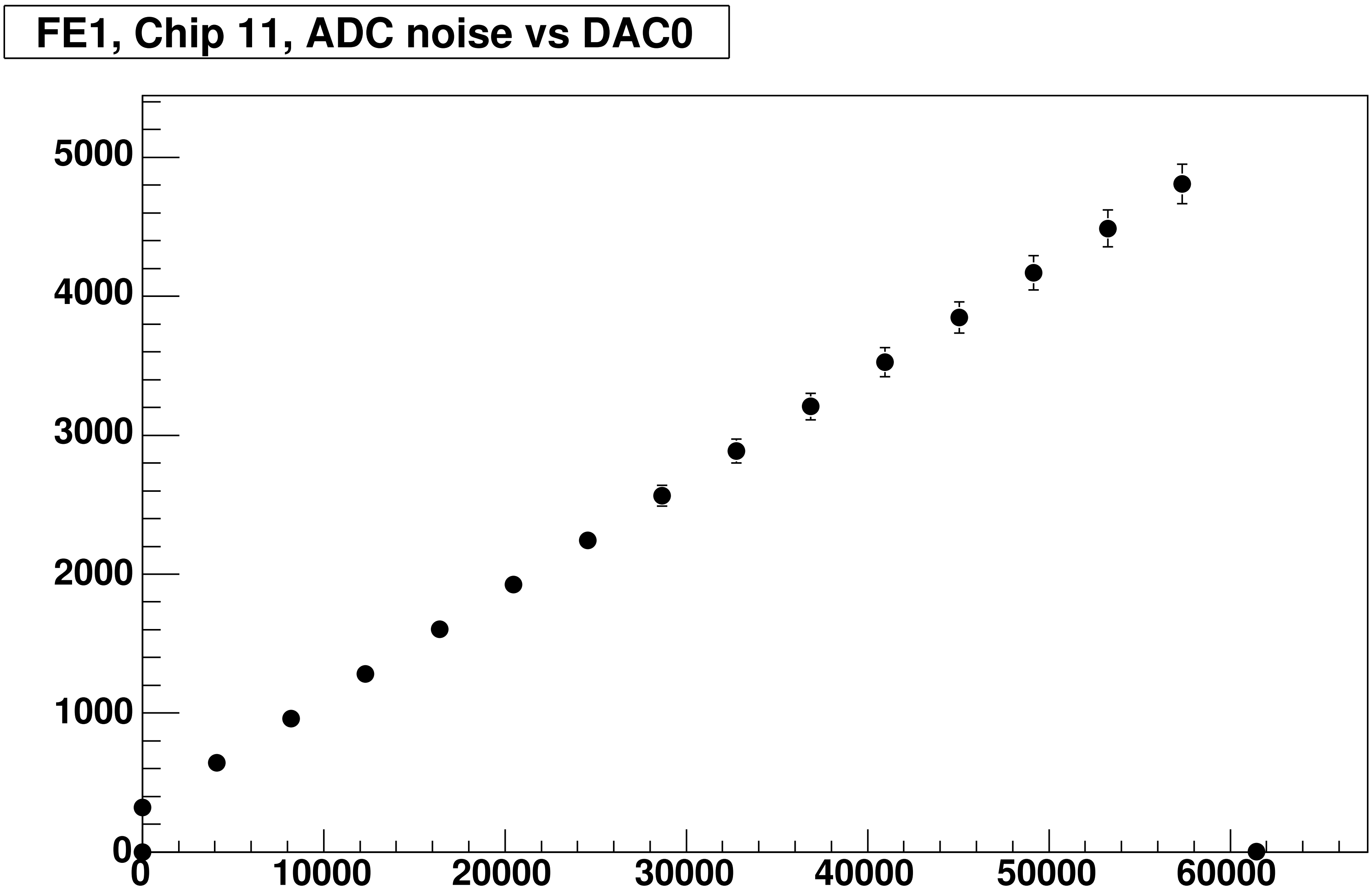

FE1, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

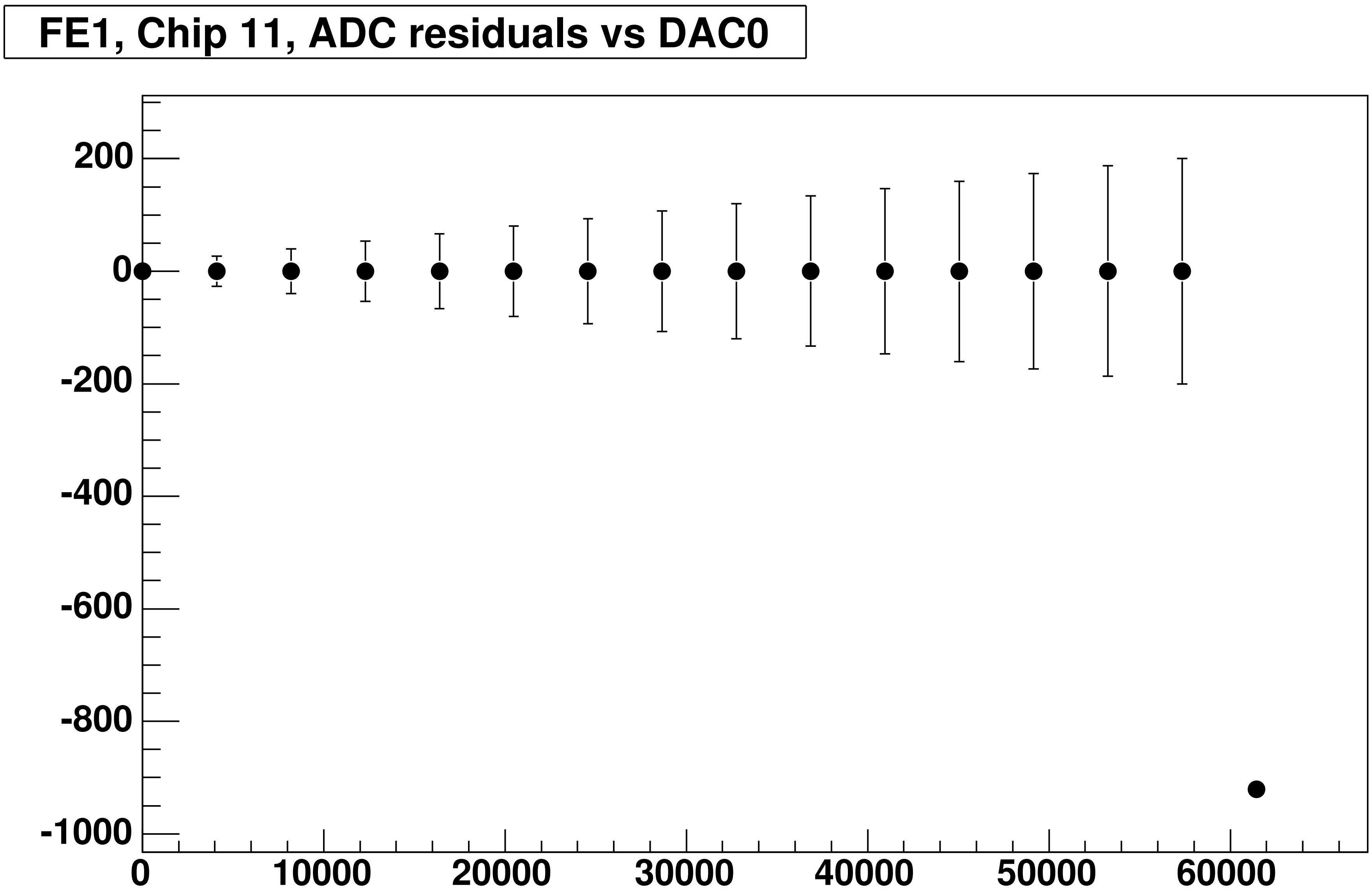

FE1, Chip 10, ADC mean vs DAC1
$\chi^2$ / ndf 0.0007256 / 11
p0 43.52 ± 30.98
p1 0.4353 ± 0.001592
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

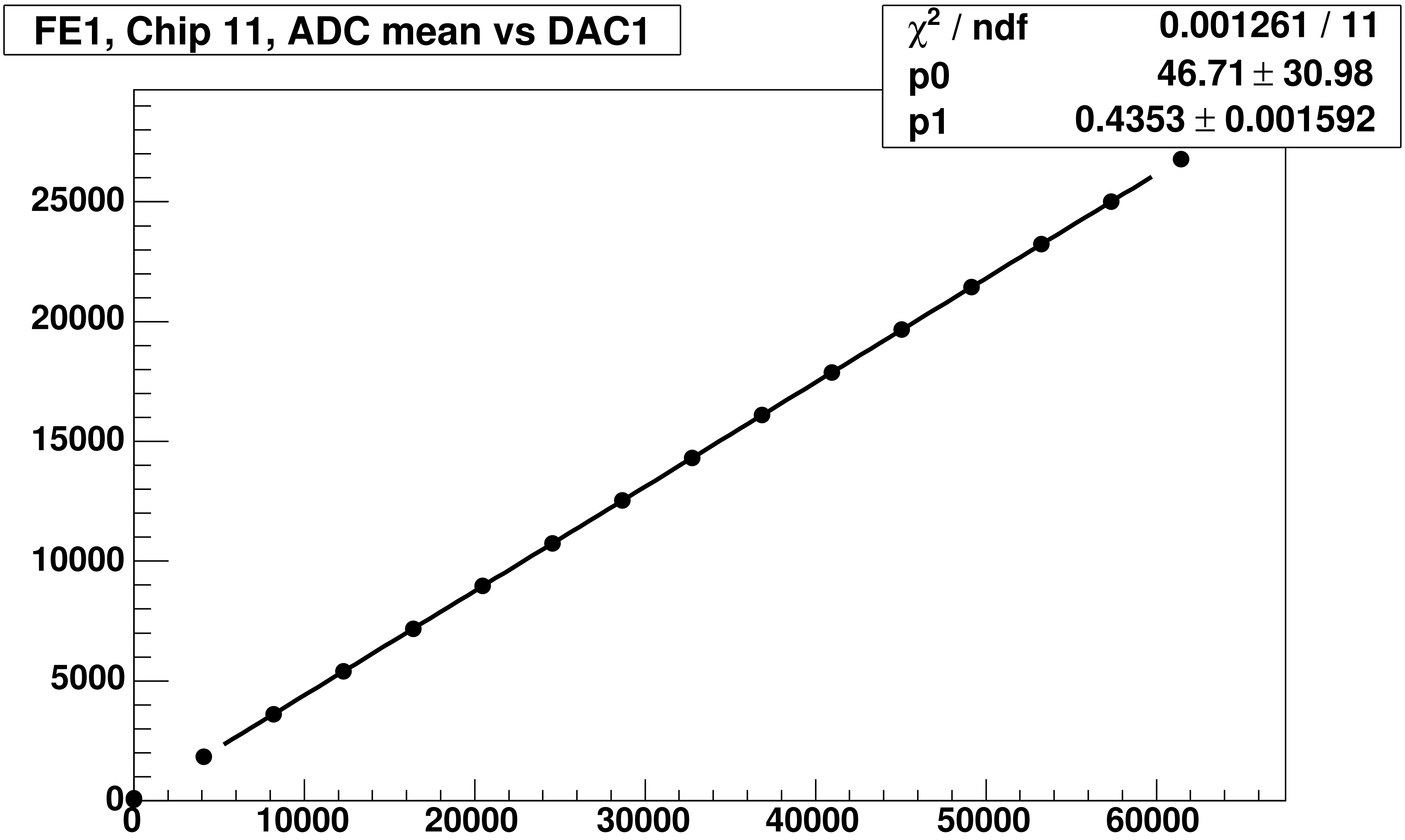

FE1, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

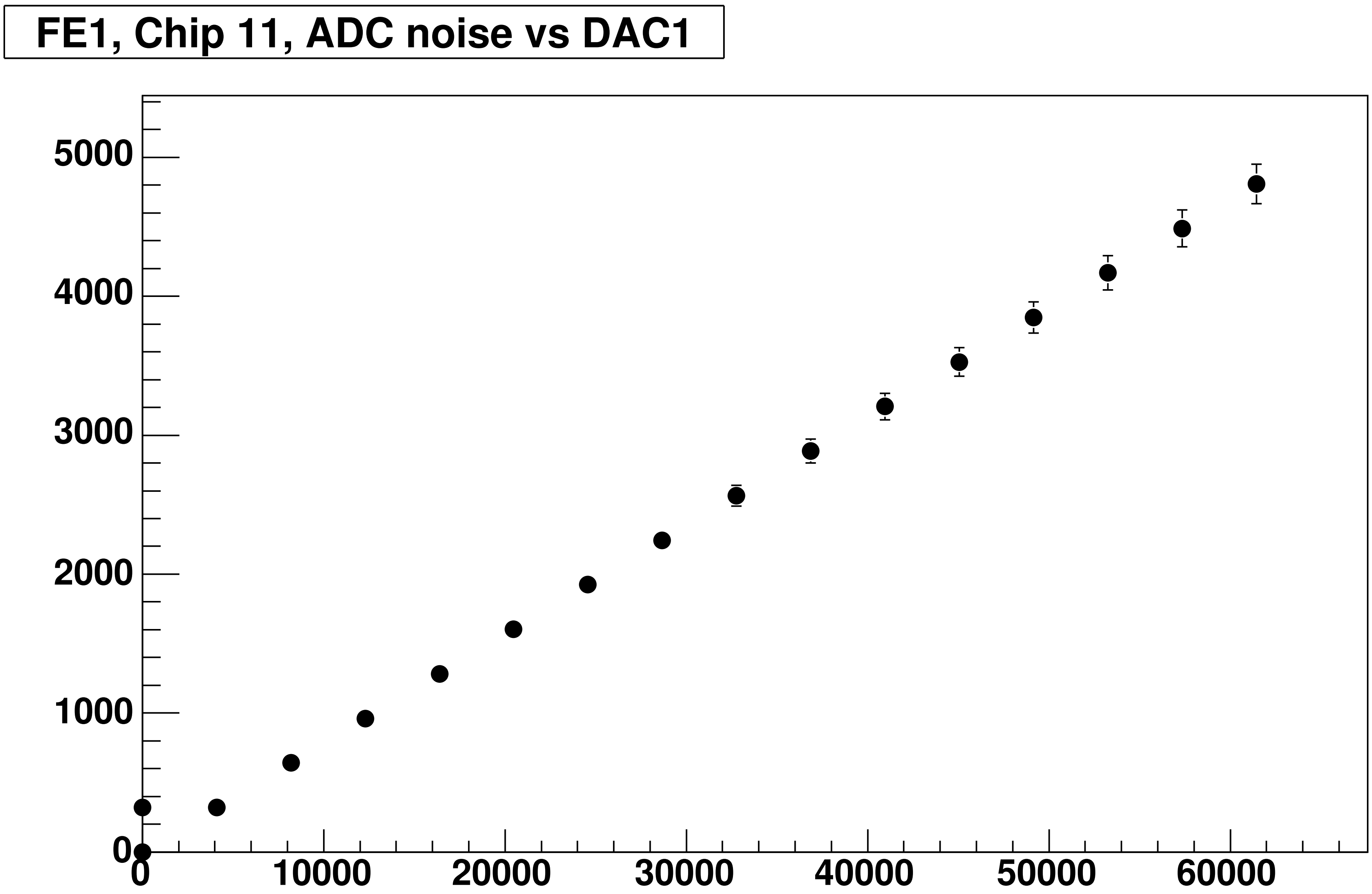

FE1, Chip 11, ADC mean vs DAC0
$\chi^2$ / ndf 9.034e-06 / 11
p0 101.7 ± 41.8
p1 0.01404 ± 0.001884
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

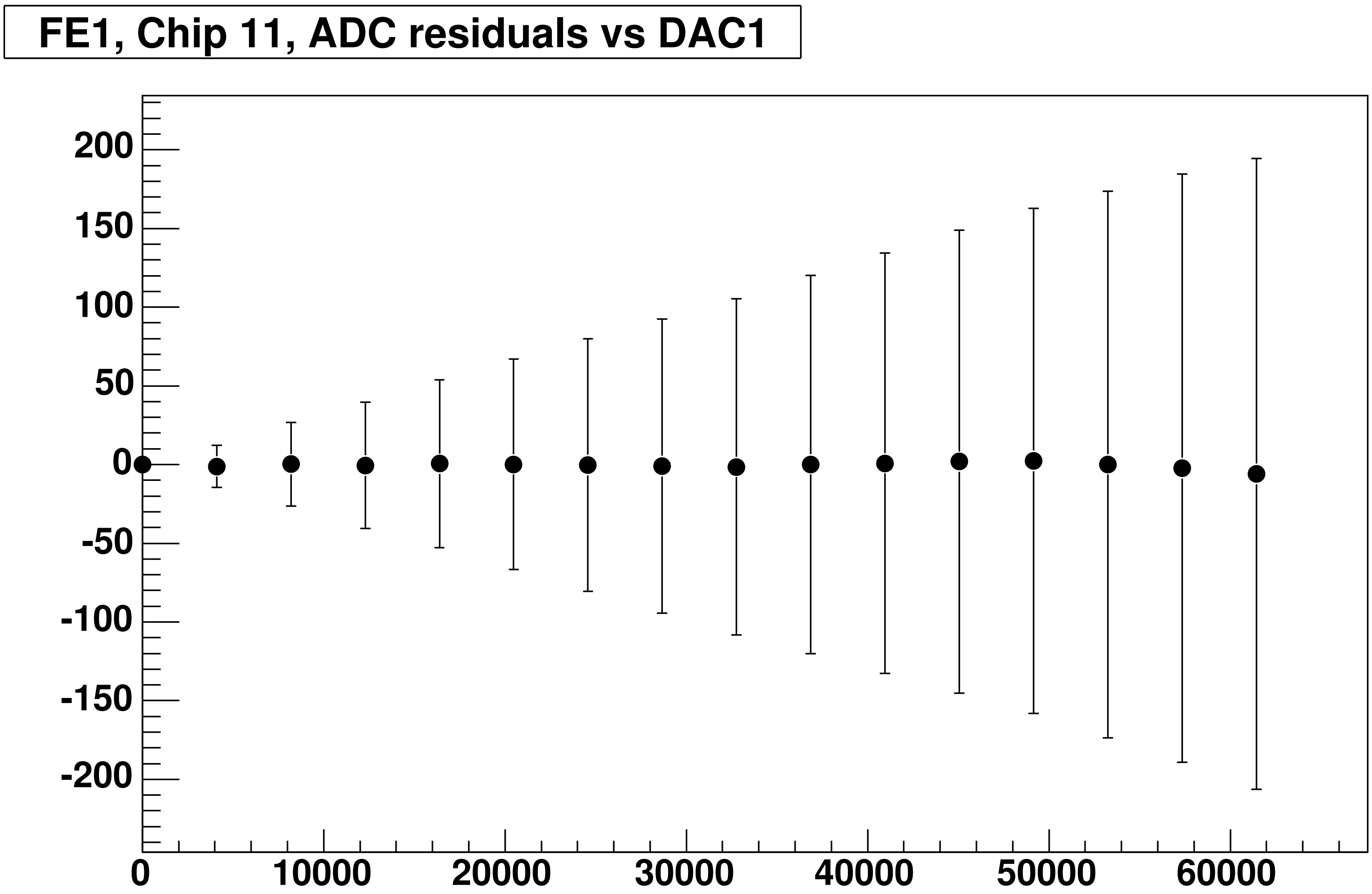

FE1, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

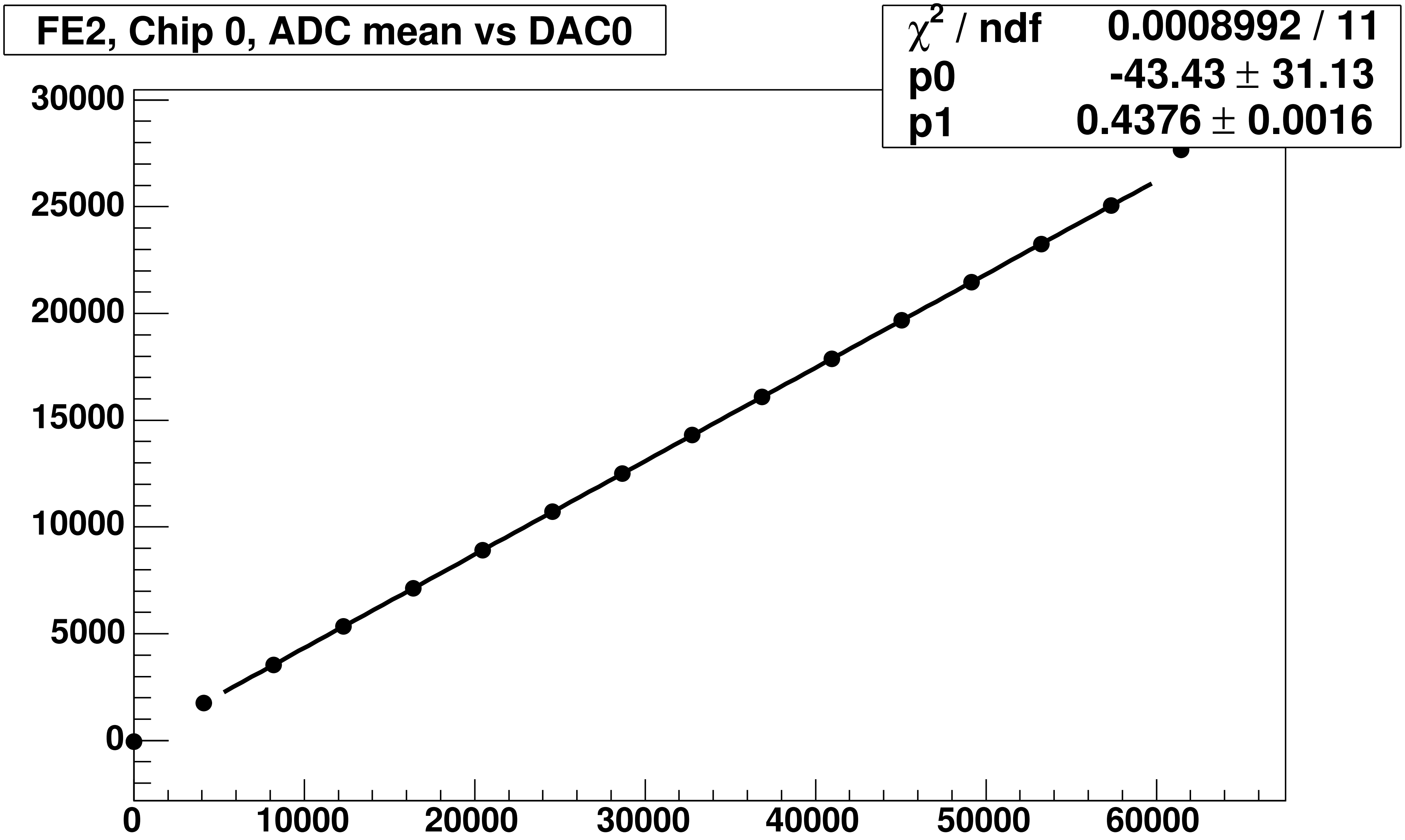


FE1, Chip 11, ADC mean vs DAC1
$\chi^2$ / ndf 0.001261 / 11
p0 46.71 ± 30.98
p1 0.4353 ± 0.001592
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000



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


FE1, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 0, ADC mean vs DAC0
χ2 / ndf 0.0008992 / 11
p0 -43.43 ± 31.13
p1 0.4376 ± 0.0016
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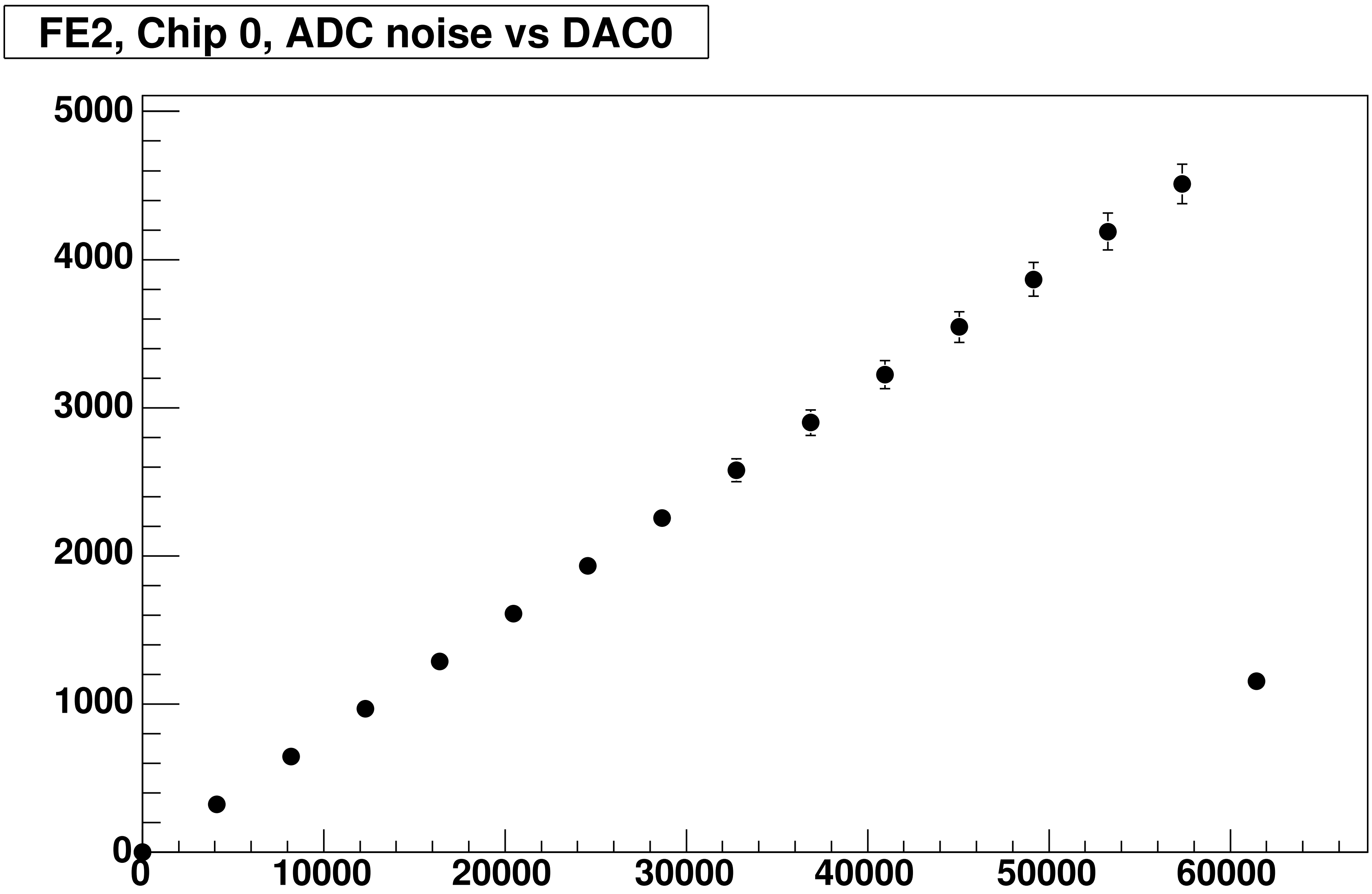
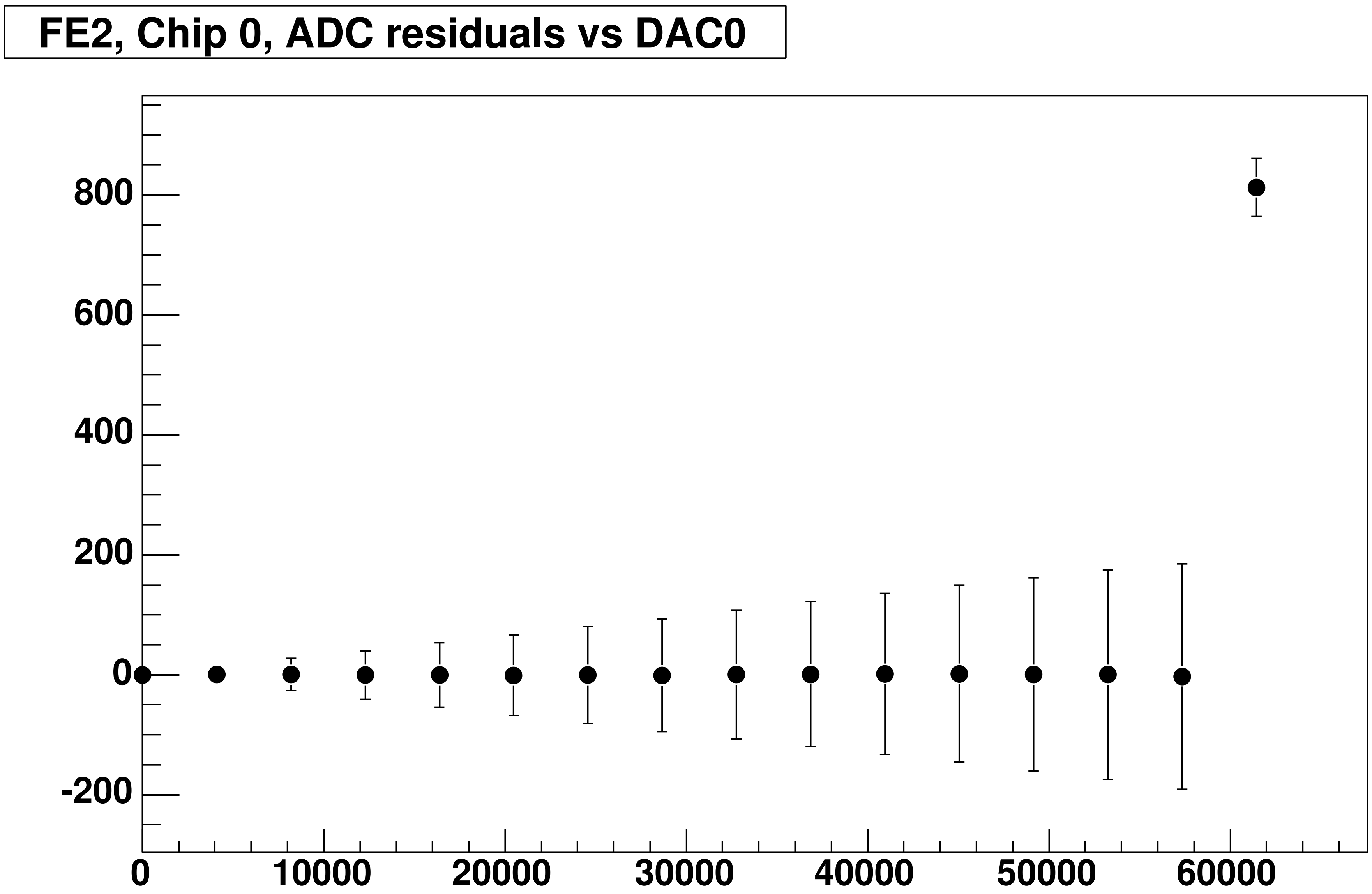
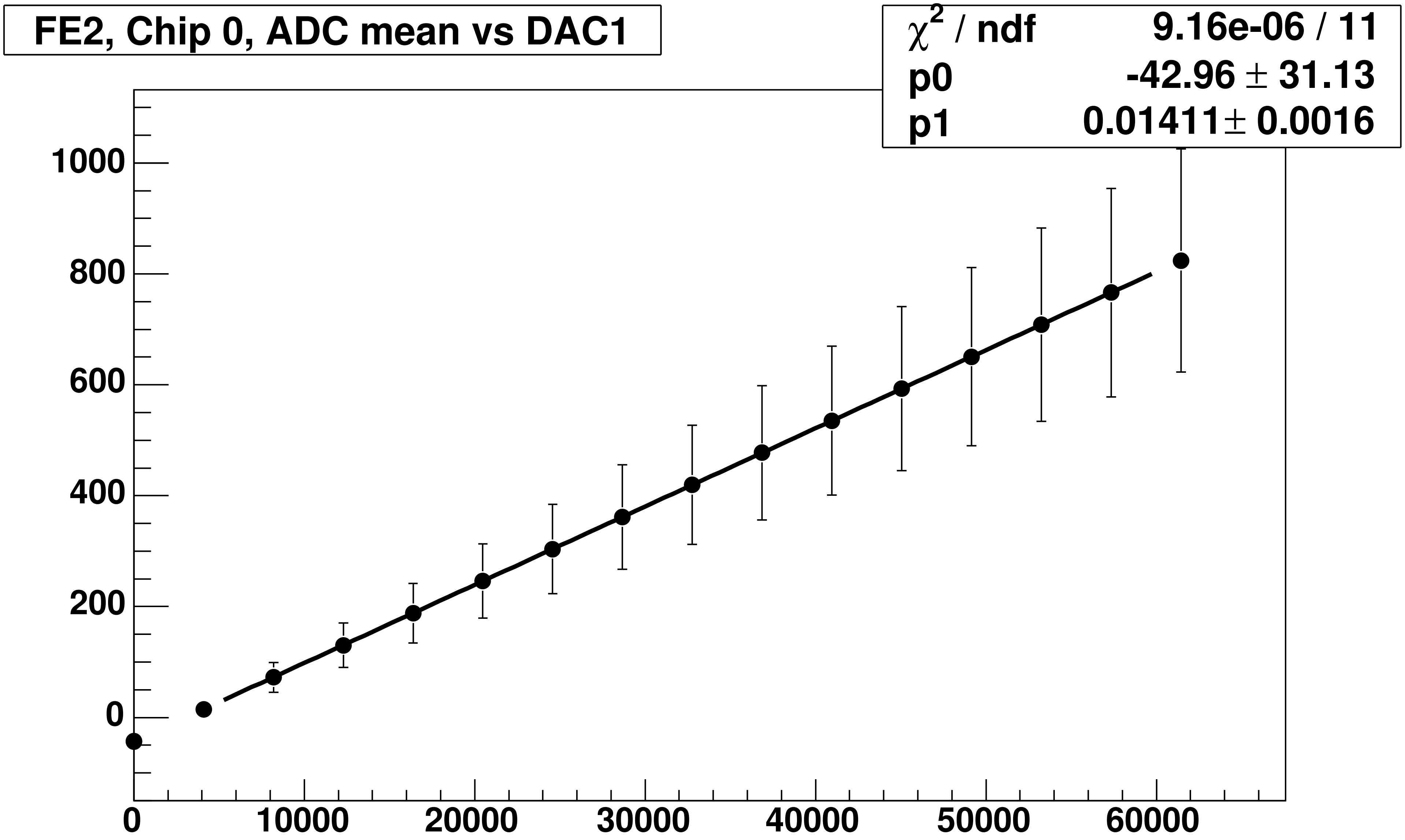
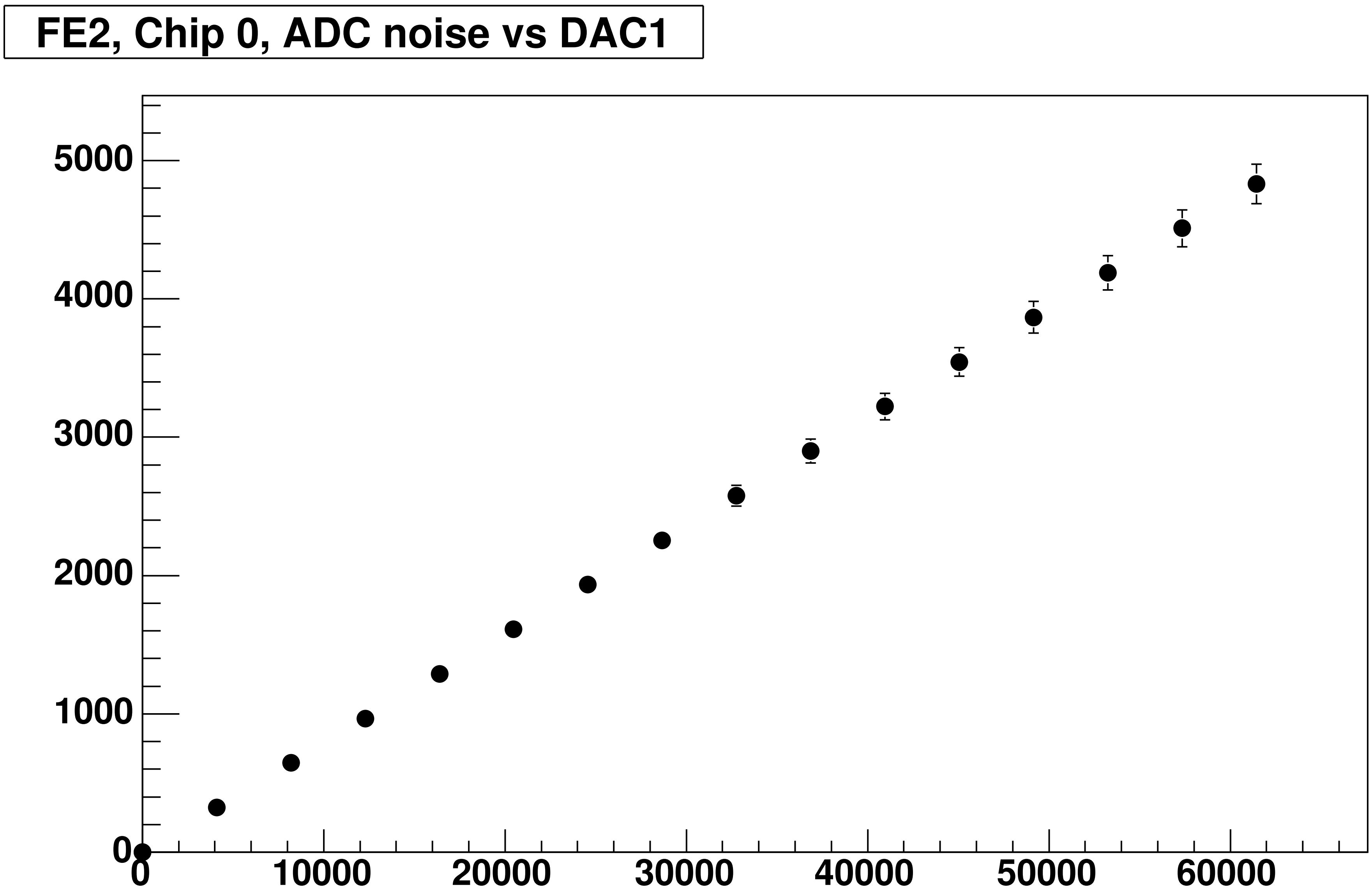
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

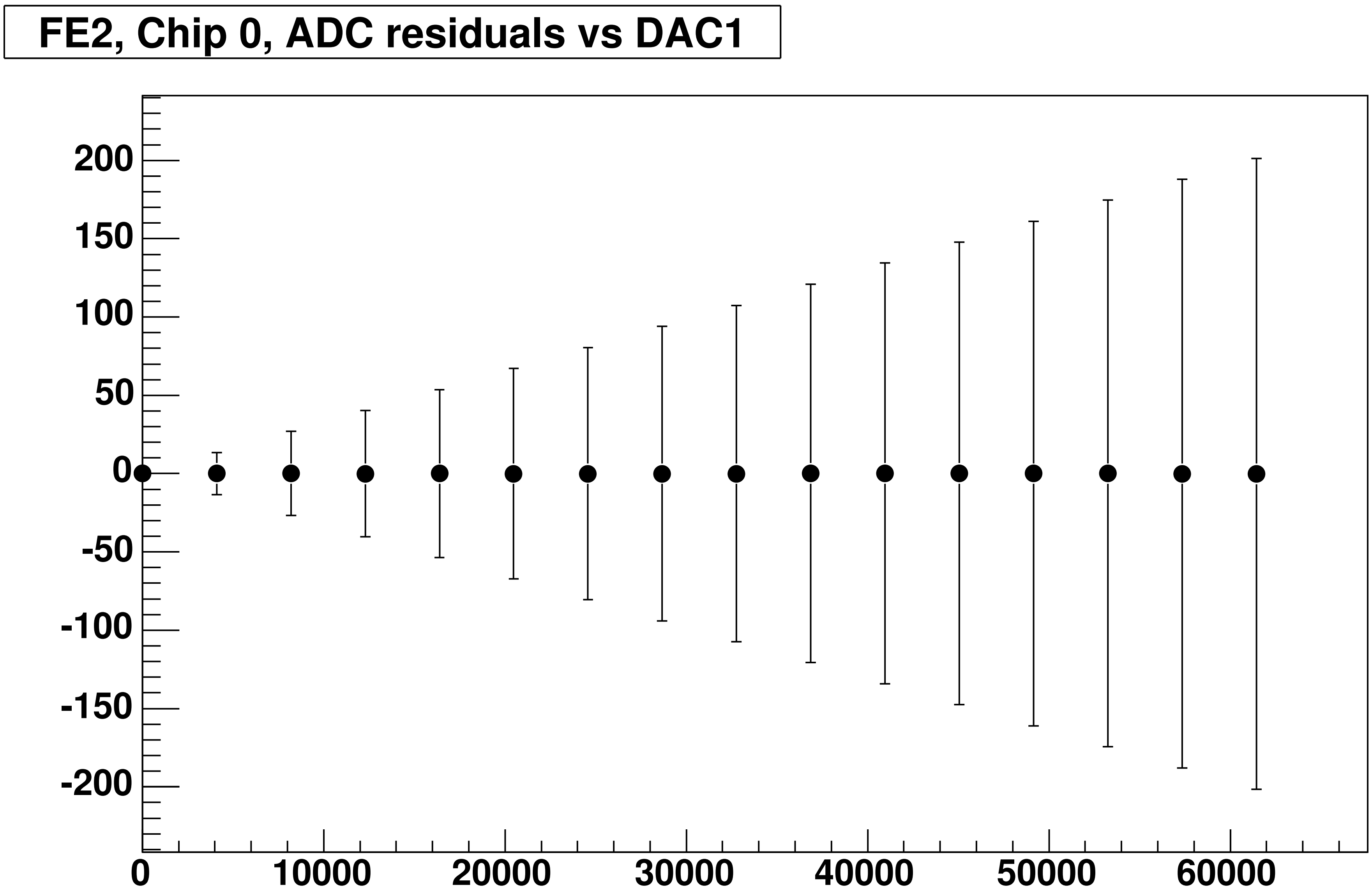

FE2, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

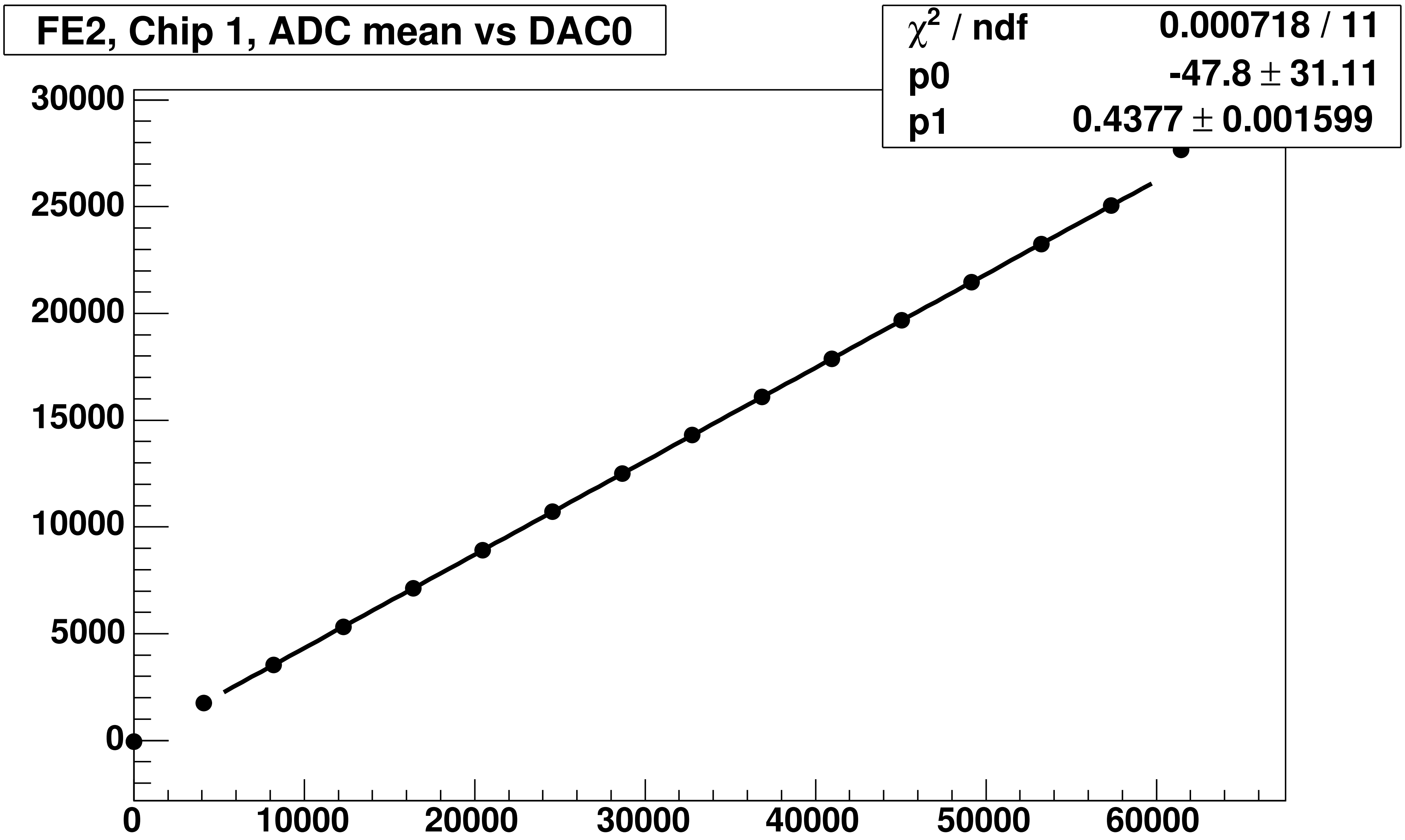

FE2, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



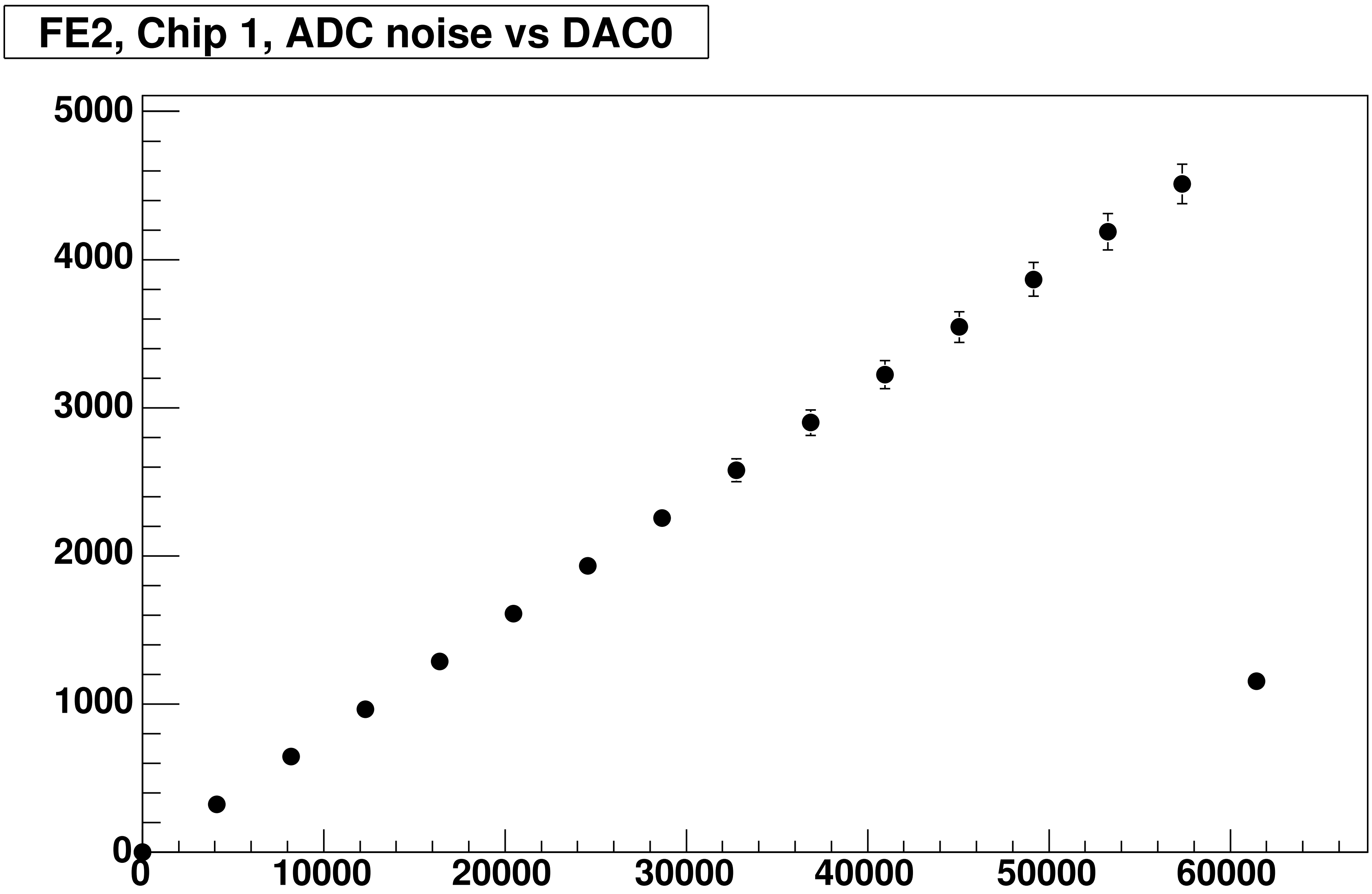
FE2, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 9.16e-06 / 11
p0 -42.96 ± 31.13
p1 0.01411± 0.0016
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

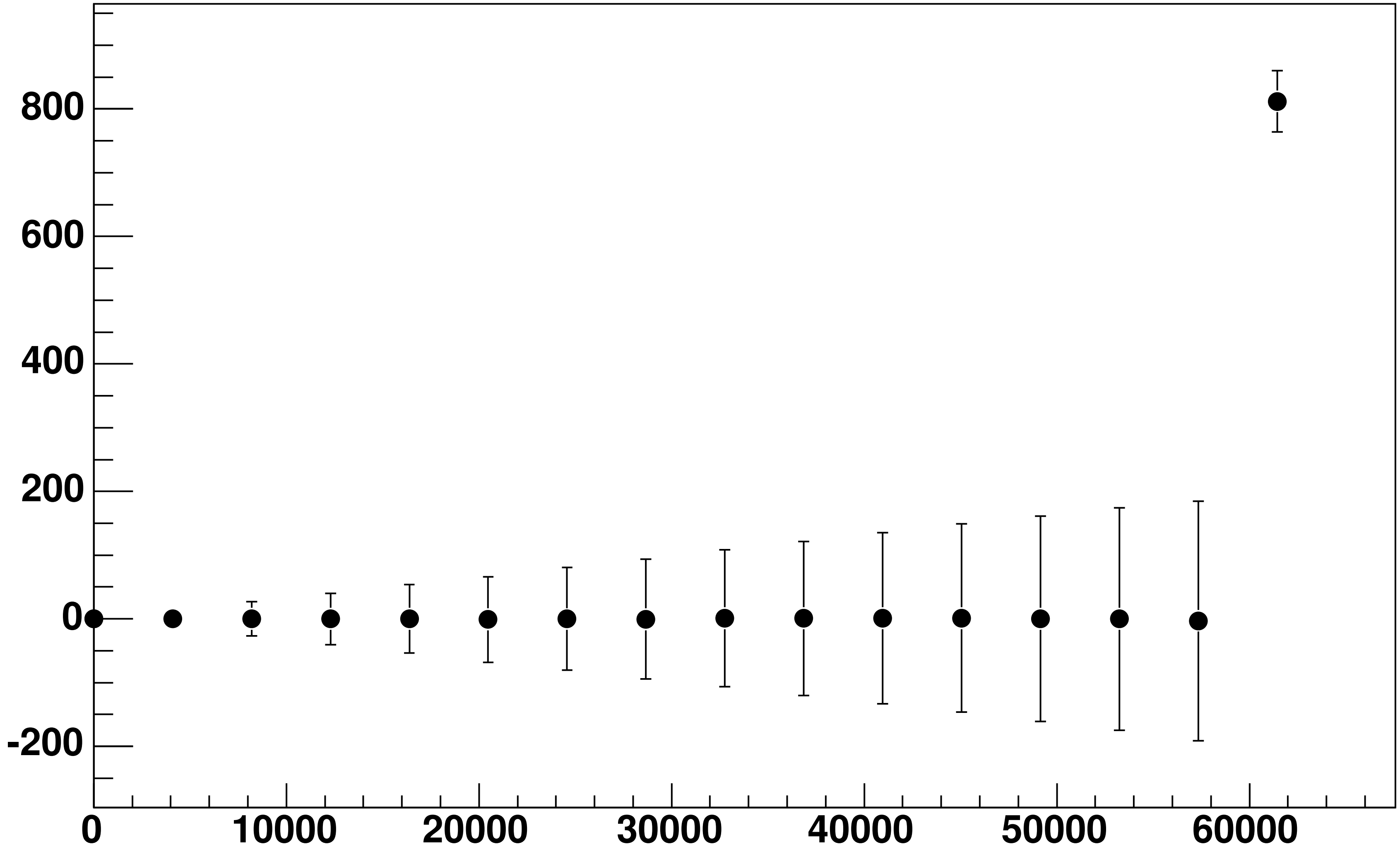

FE2, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

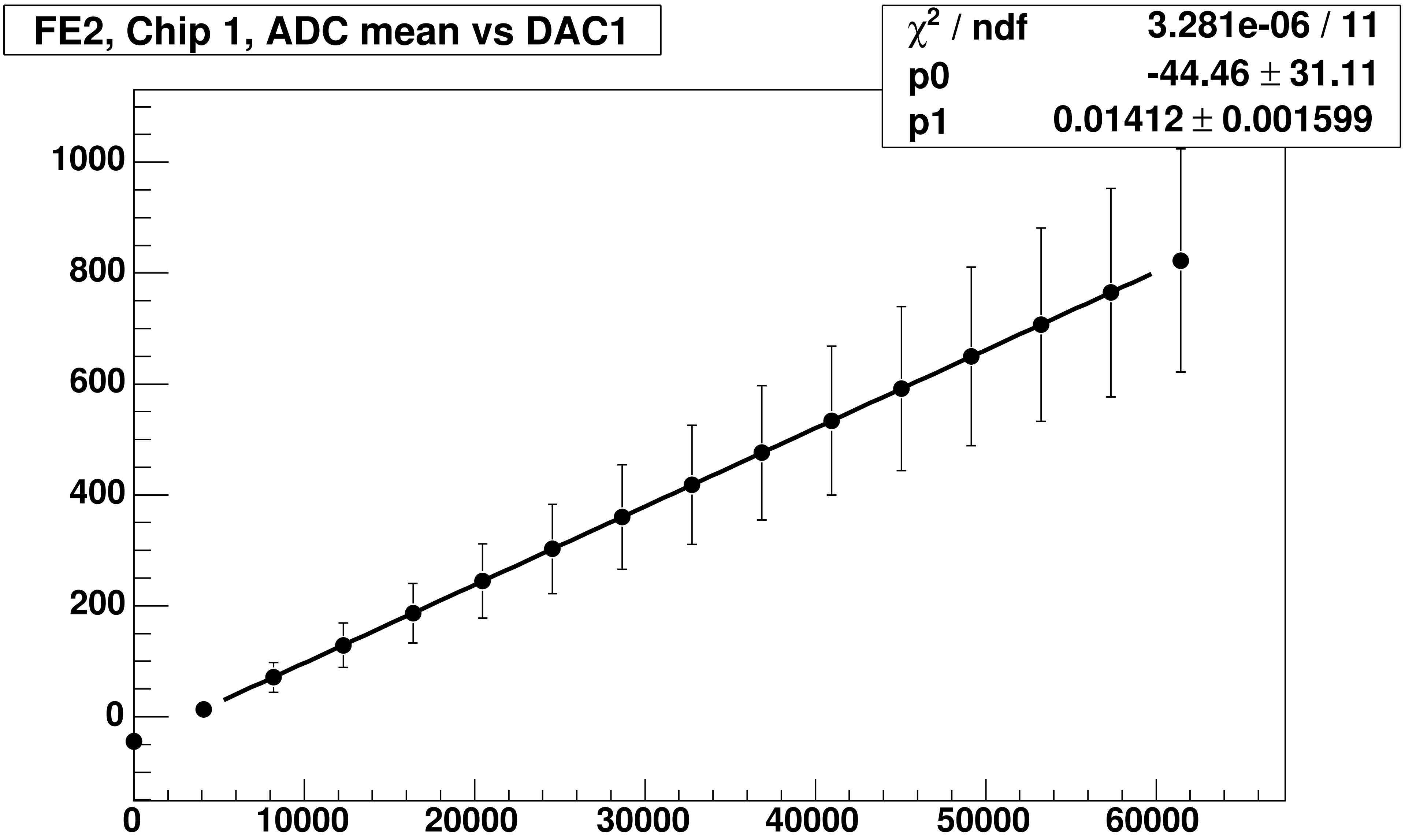


FE2, Chip 1, ADC mean vs DAC0
$\chi^2$ / ndf 0.000718 / 11
p0 -47.8 ± 31.11
p1 0.4377 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

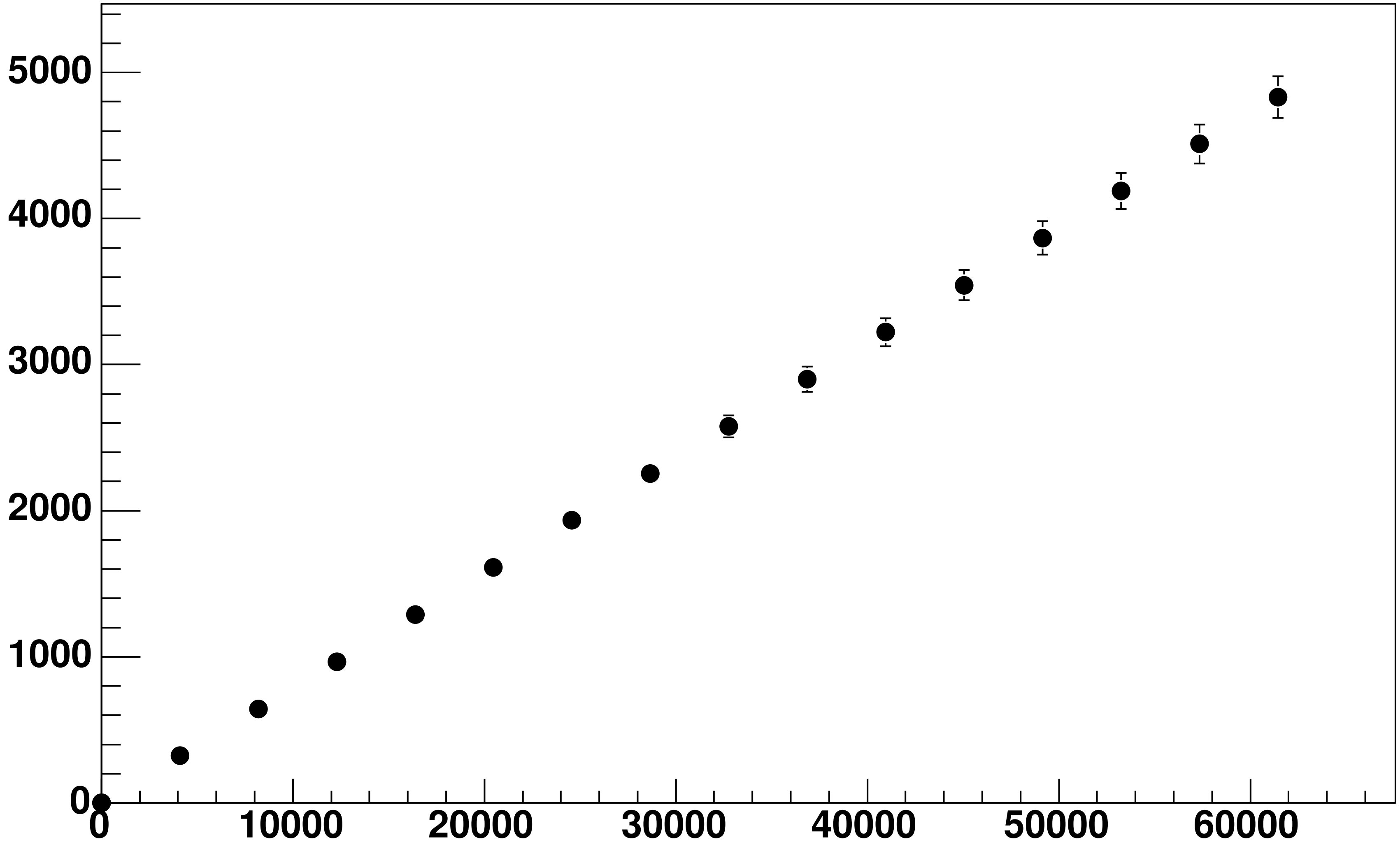

FE2, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

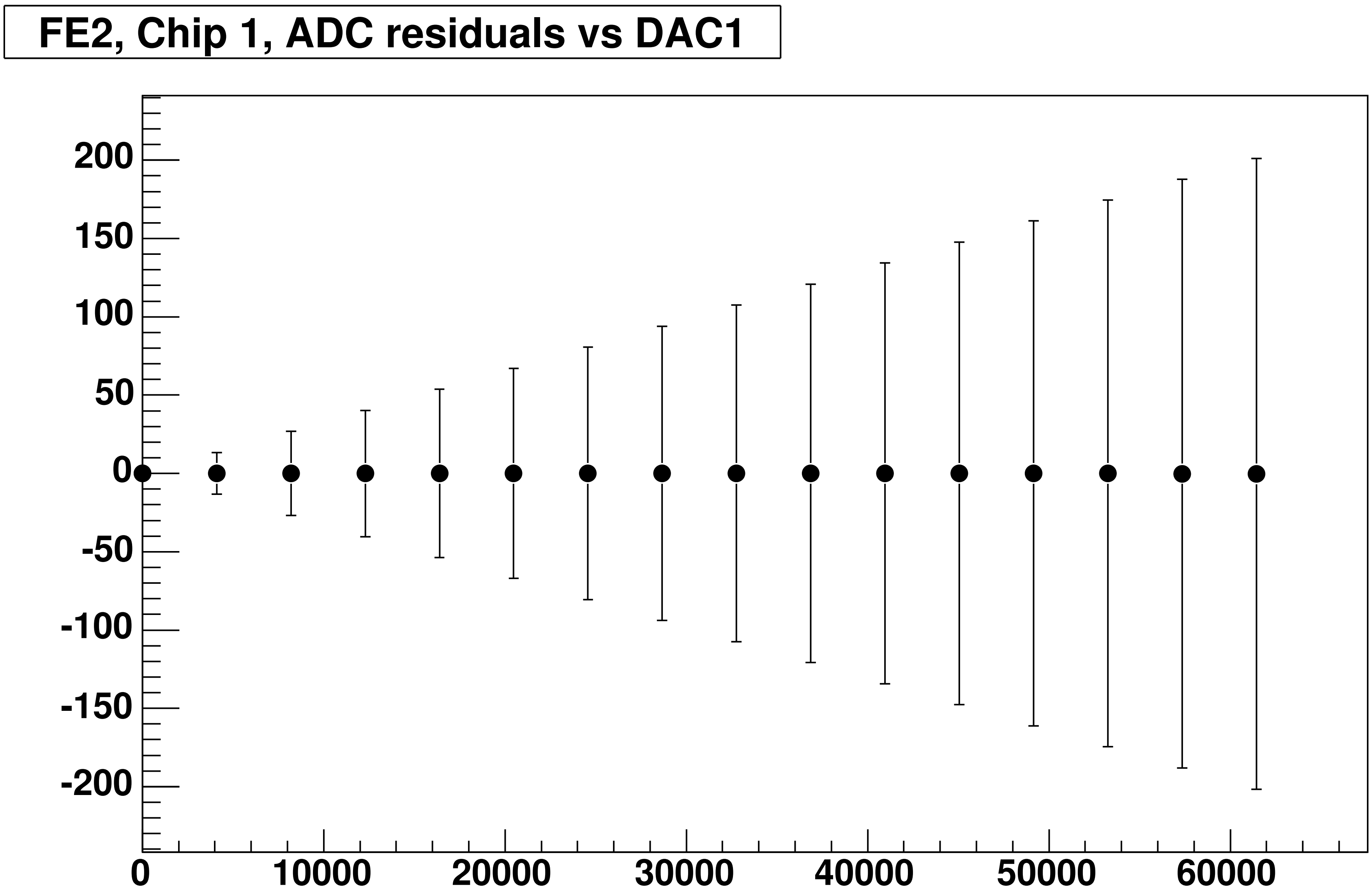
FE2, Chip 1, ADC residuals vs DAC0

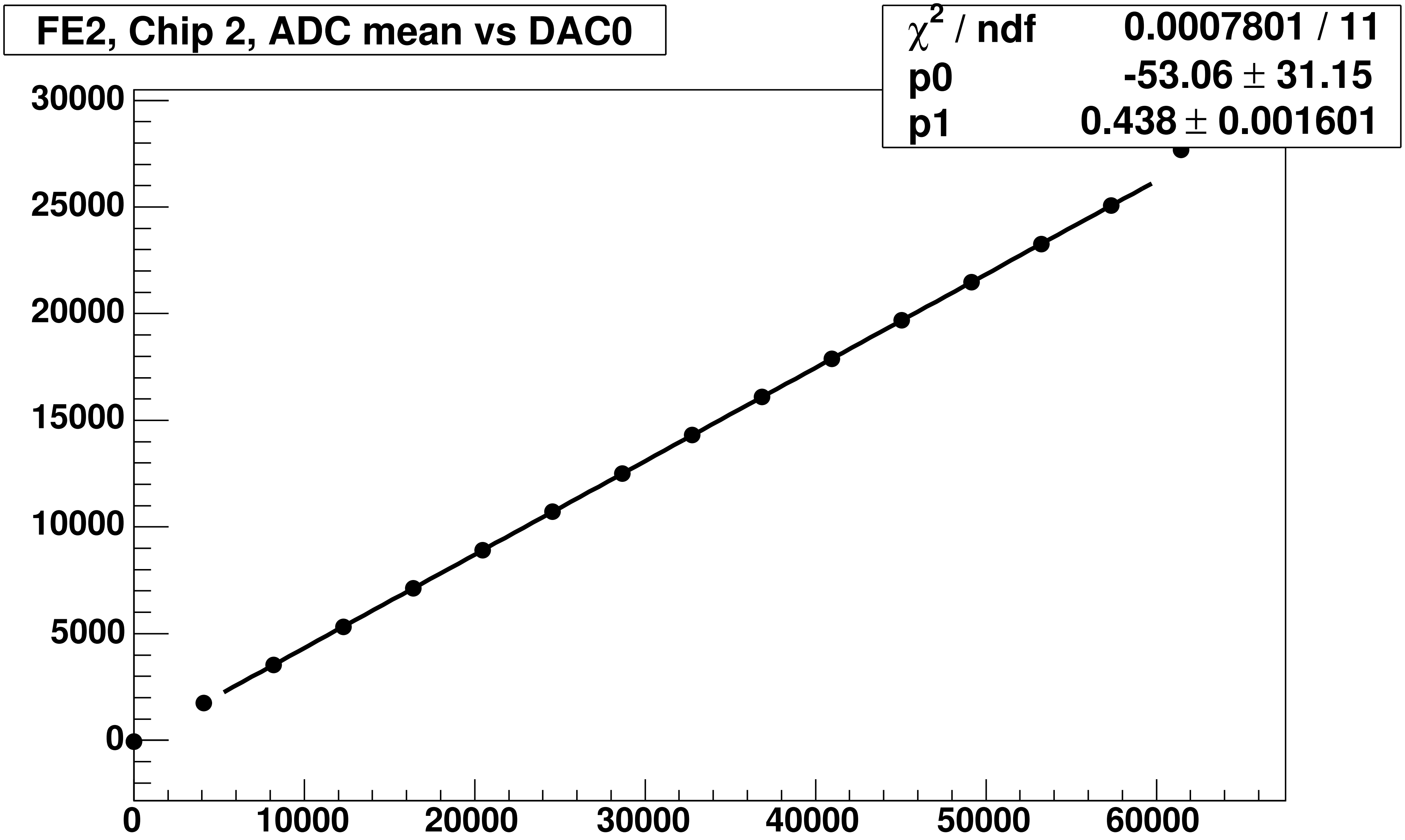



FE2, Chip 1, ADC mean vs DAC1
$\chi^2$ / ndf 3.281e-06 / 11
p0 -44.46 ± 31.11
p1 0.01412 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

FE2, Chip 1, ADC noise vs DAC1

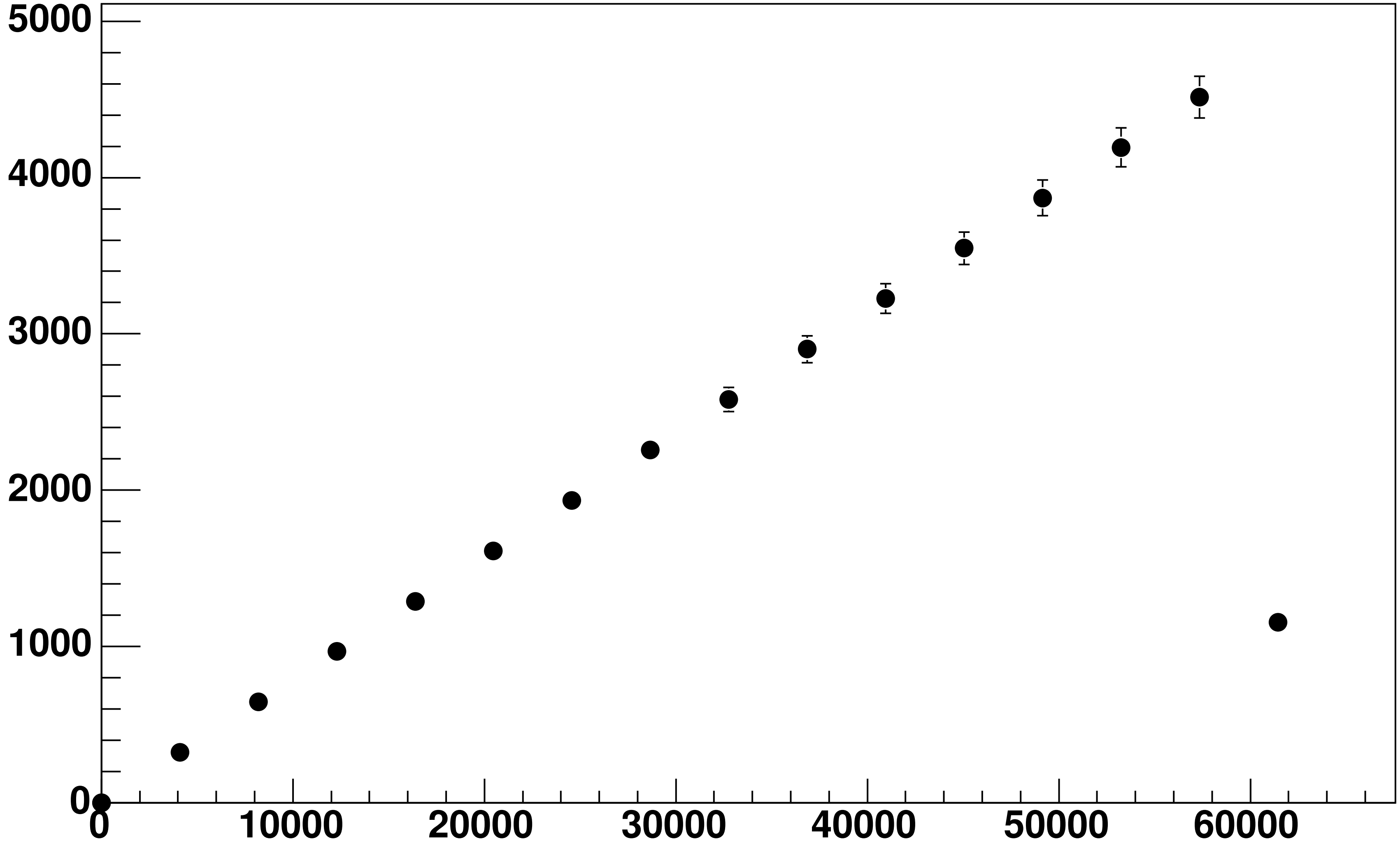


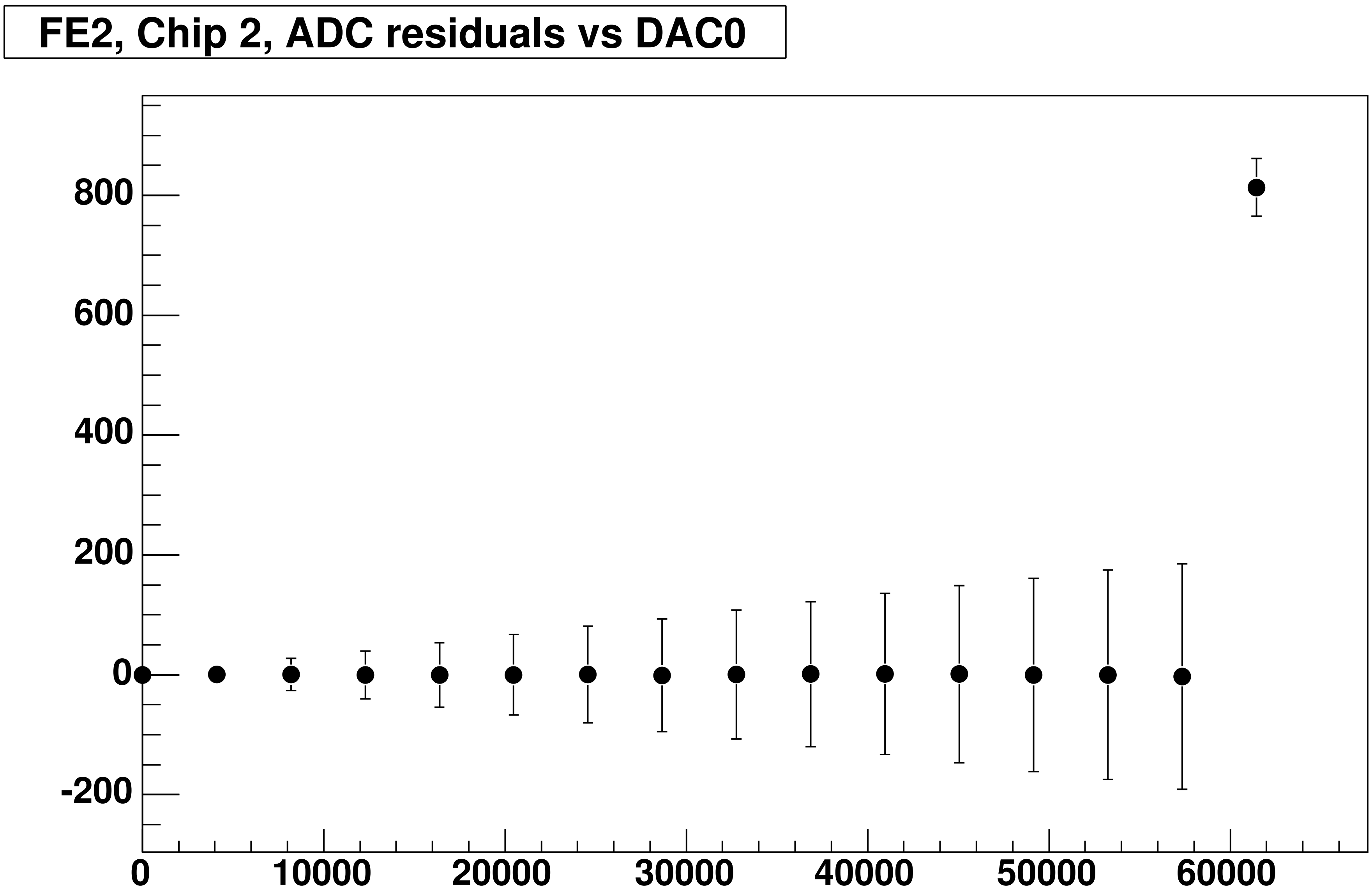

FE2, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

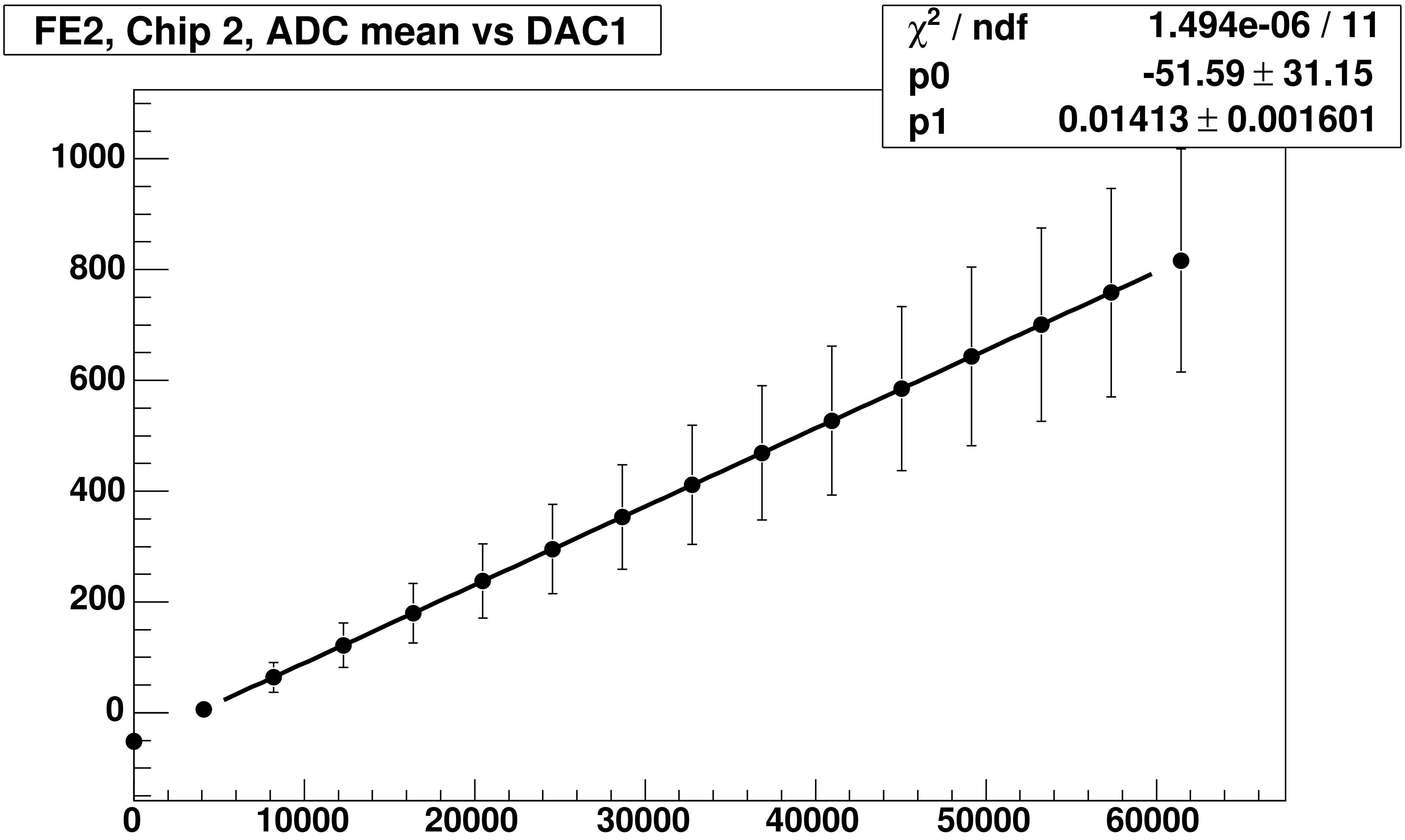


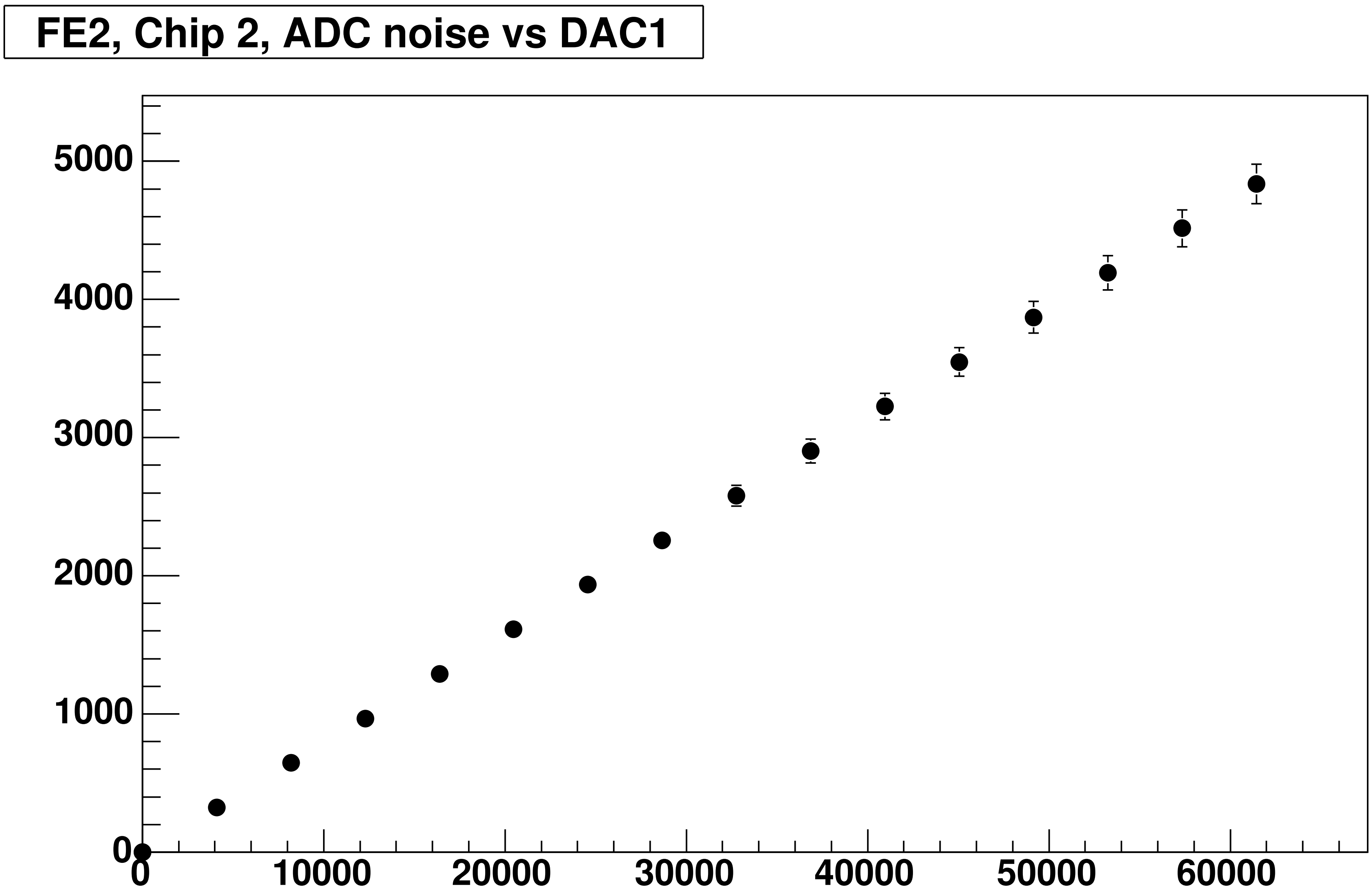
FE2, Chip 2, ADC mean vs DAC0
$\chi^2$ / ndf 0.0007801 / 11
p0 -53.06 ± 31.15
p1 0.438 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

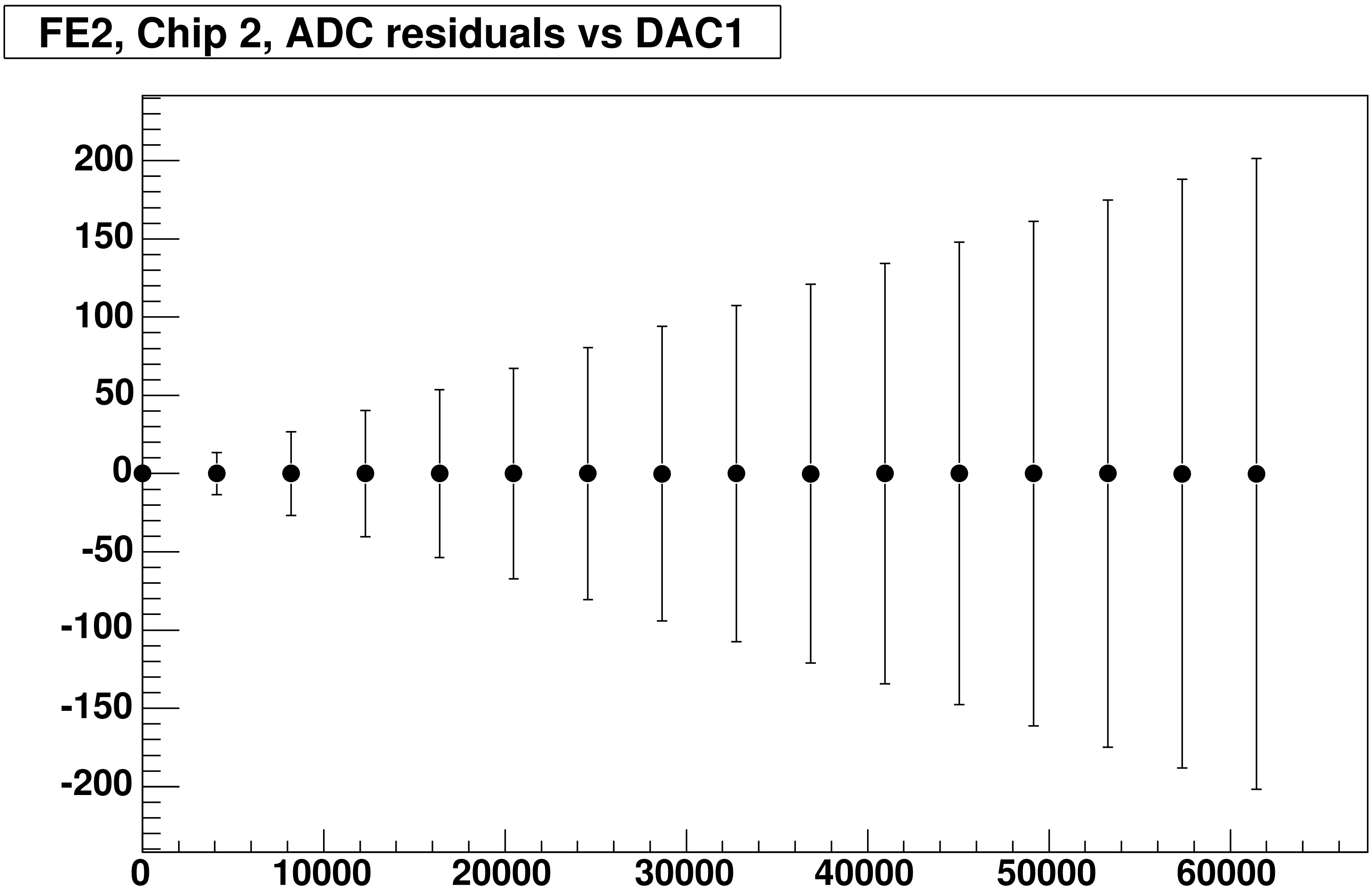
FE2, Chip 2, ADC noise vs DAC0

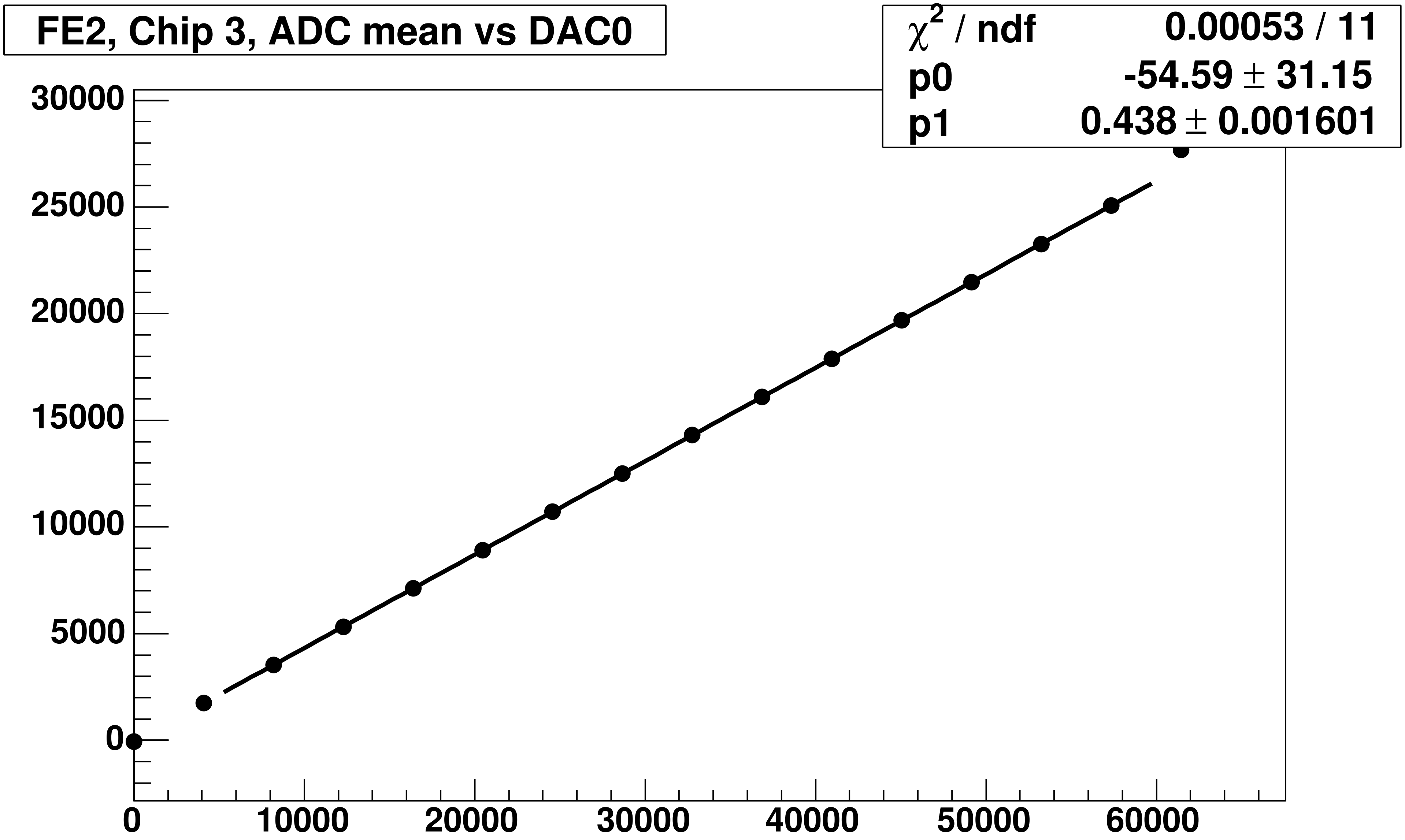



FE2, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

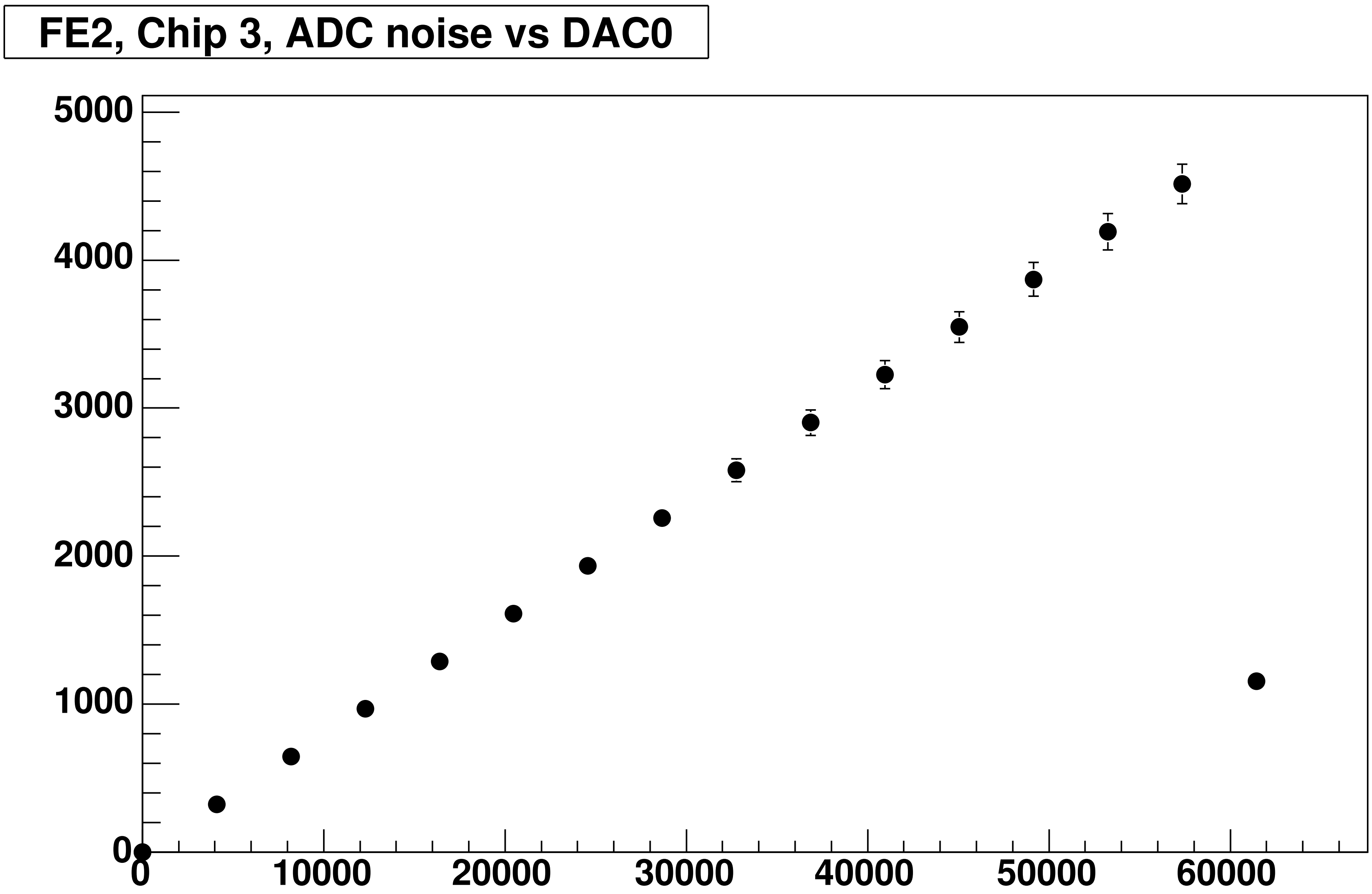

FE2, Chip 2, ADC mean vs DAC1
$\chi^2$ / ndf 1.494e-06 / 11
p0 -51.59 ± 31.15
p1 0.01413 ± 0.001601
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

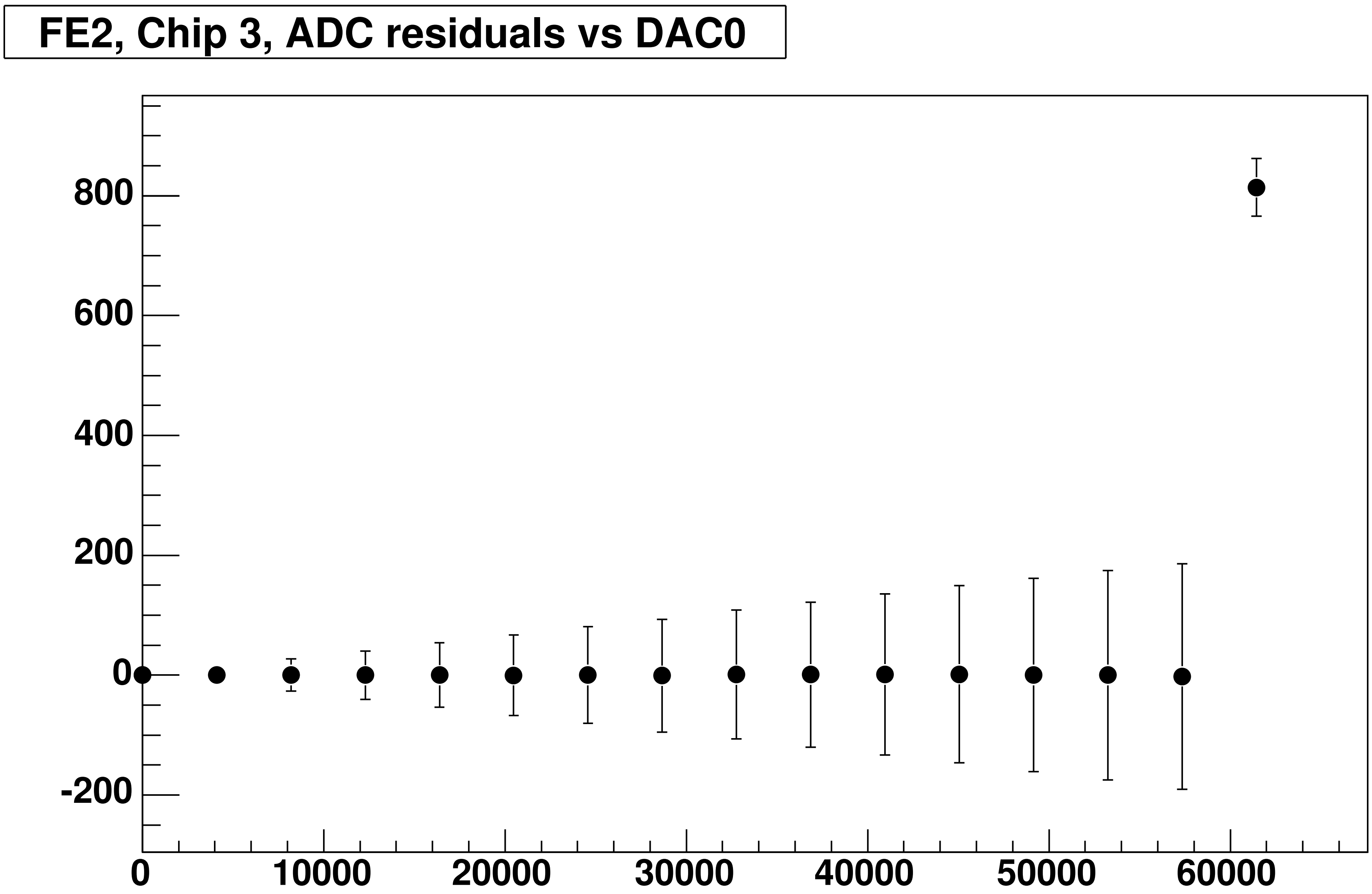

FE2, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

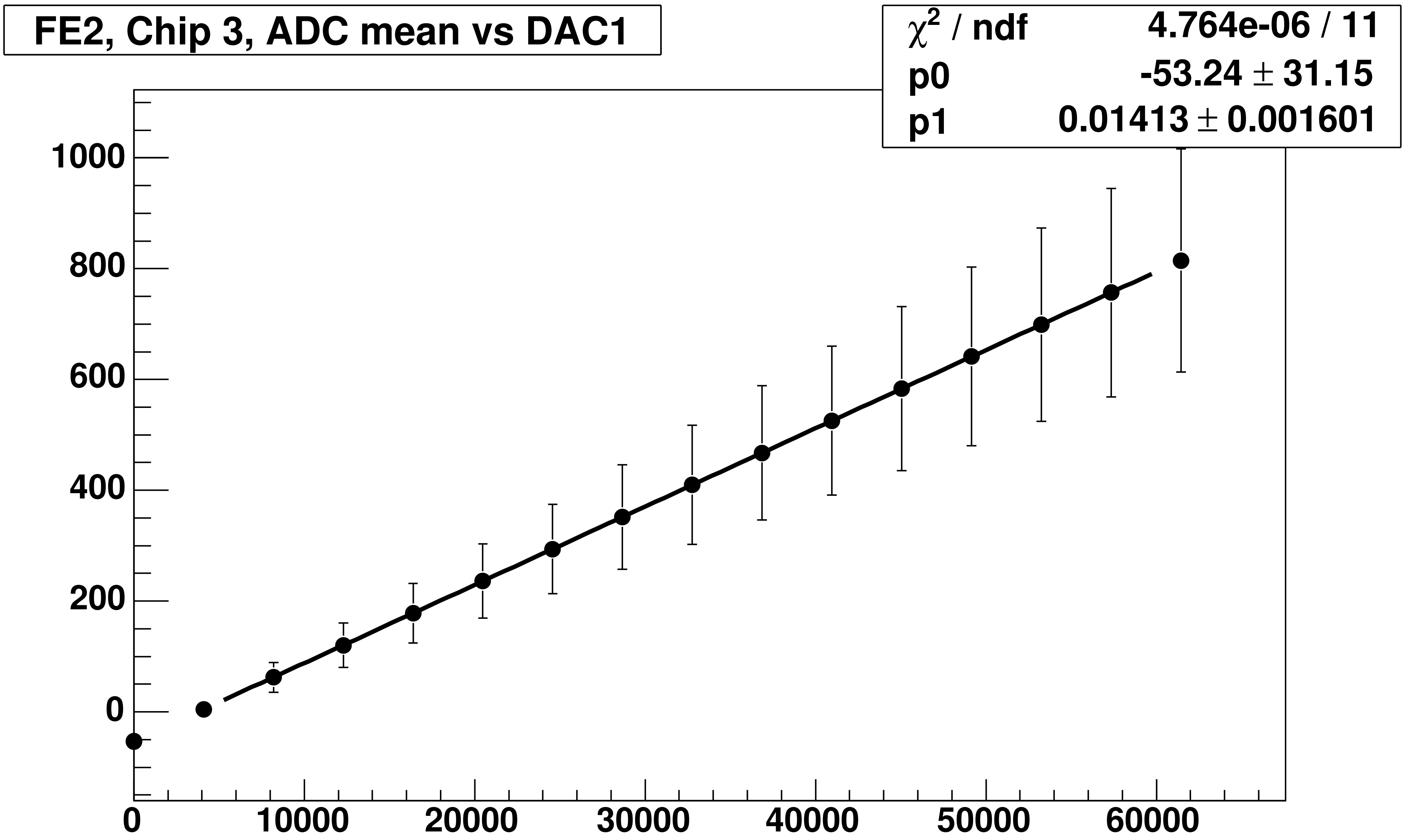


FE2, Chip 3, ADC mean vs DAC0
χ2 / ndf 0.00053 / 11
p0 -54.59 ± 31.15
p1 0.438 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

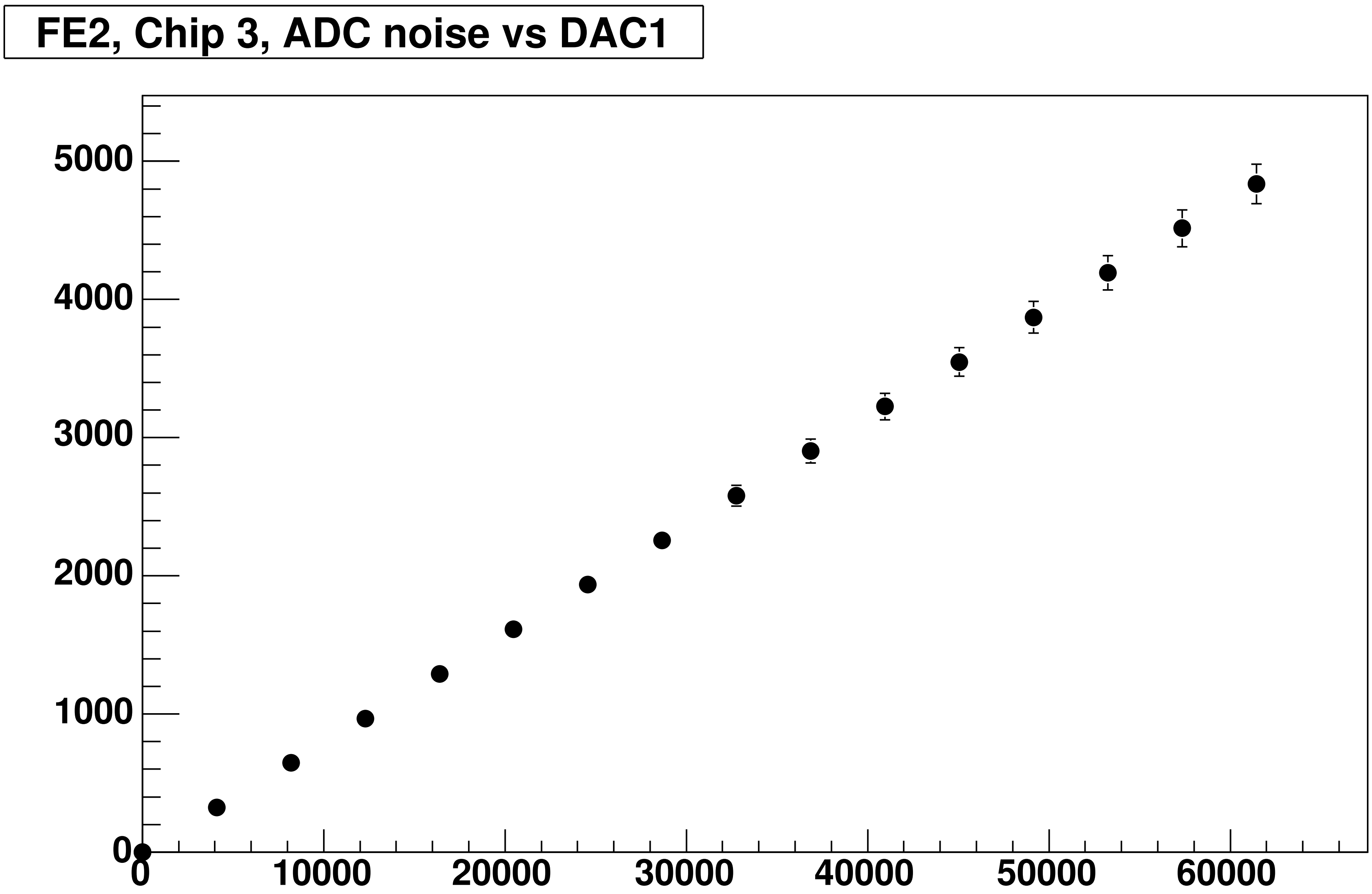


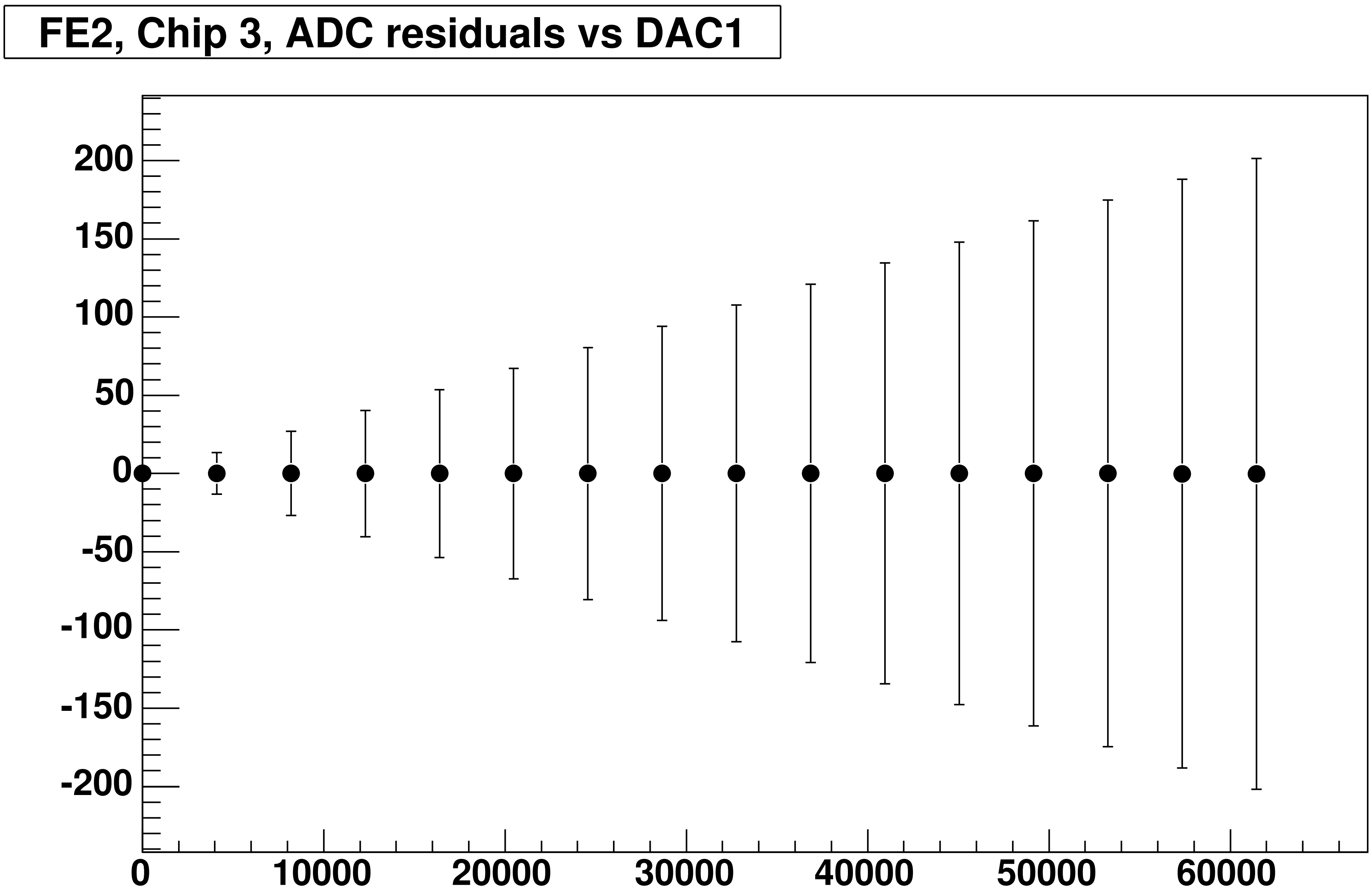
FE2, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

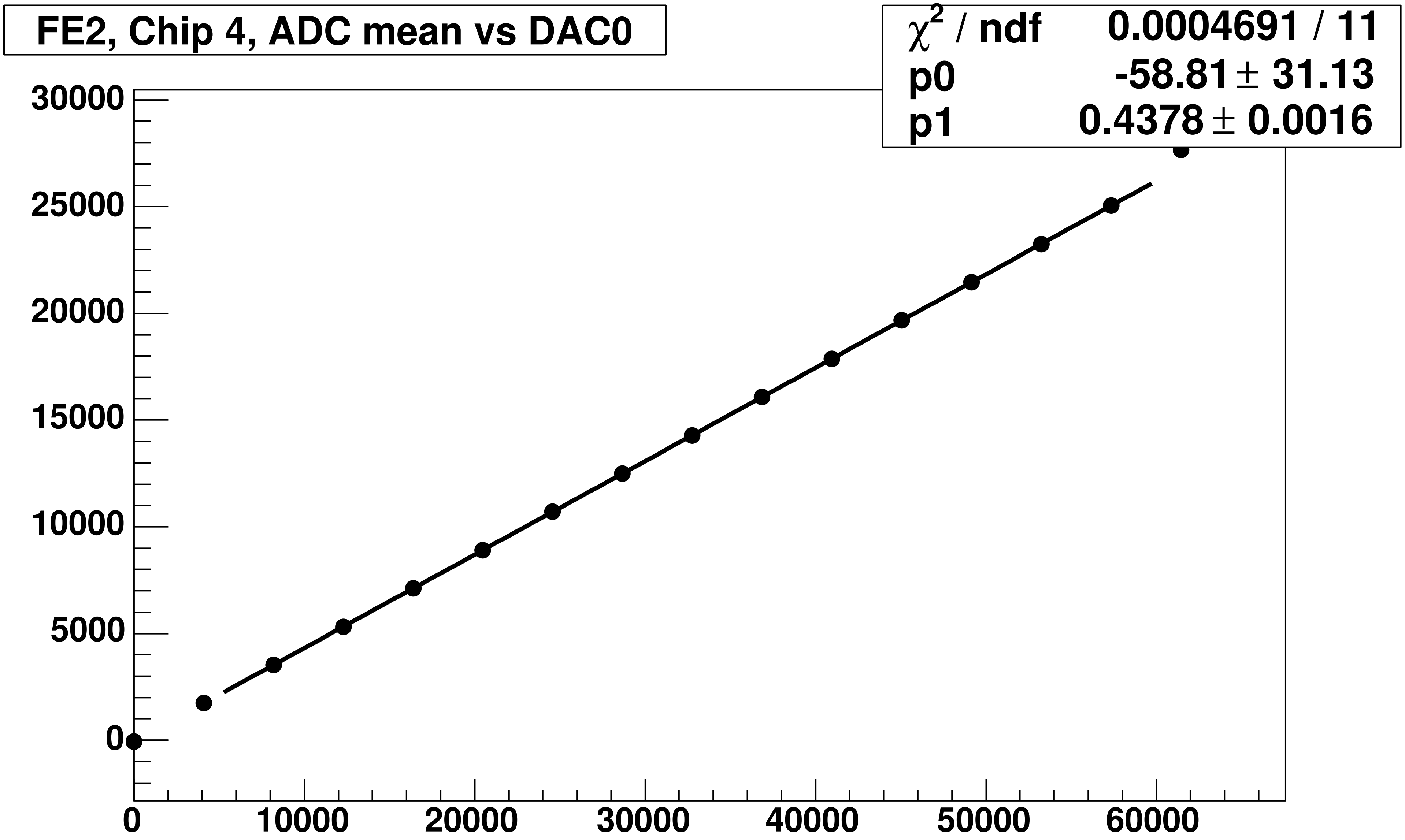

FE2, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



FE2, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 4.764e-06 / 11
p0 -53.24 ± 31.15
p1 0.01413 ± 0.001601
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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


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


FE2, Chip 4, ADC mean vs DAC0
$\chi^2$ / ndf 0.0004691 / 11
p0 -58.81 ± 31.13
p1 0.4378 ± 0.0016
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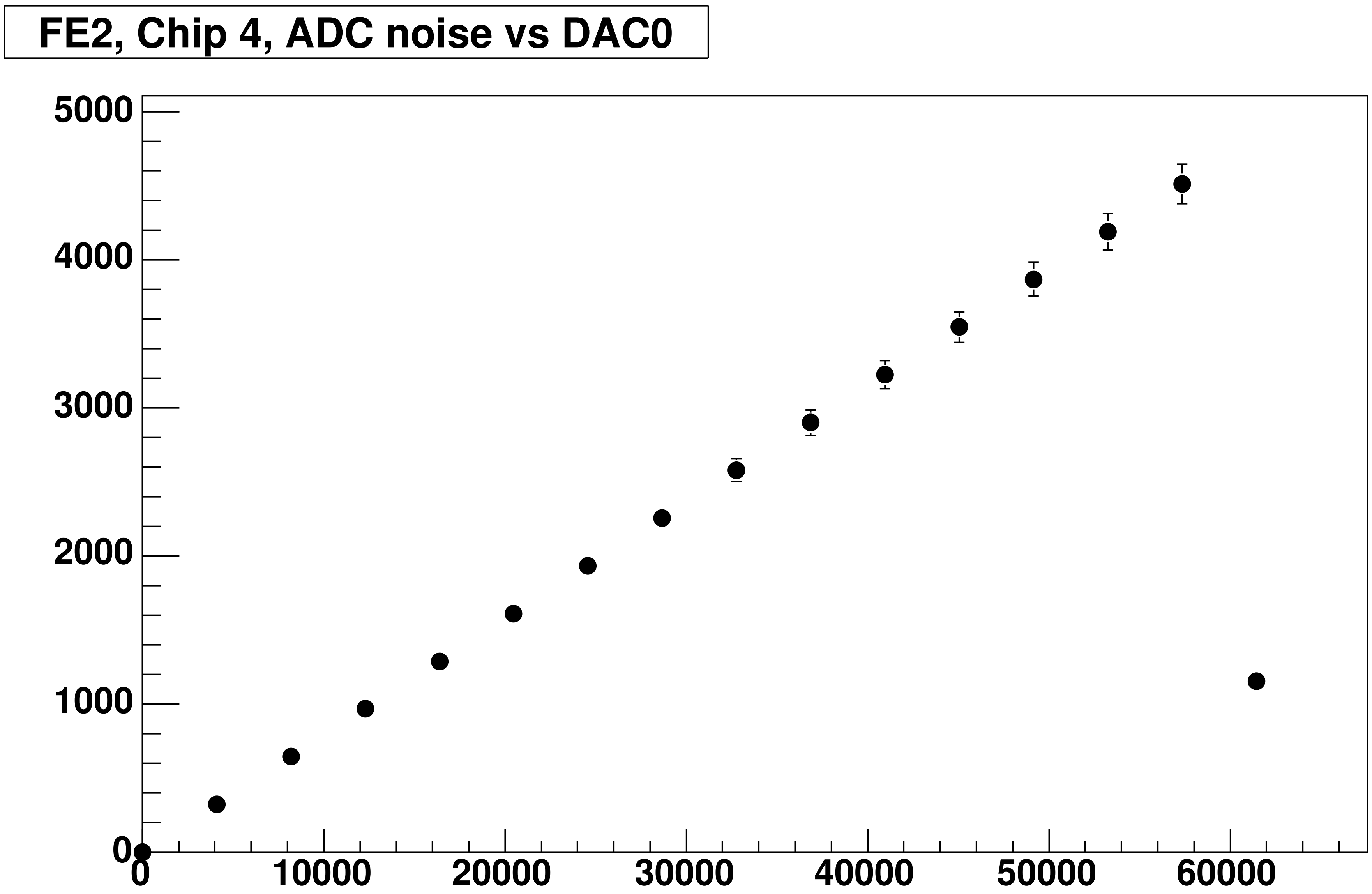
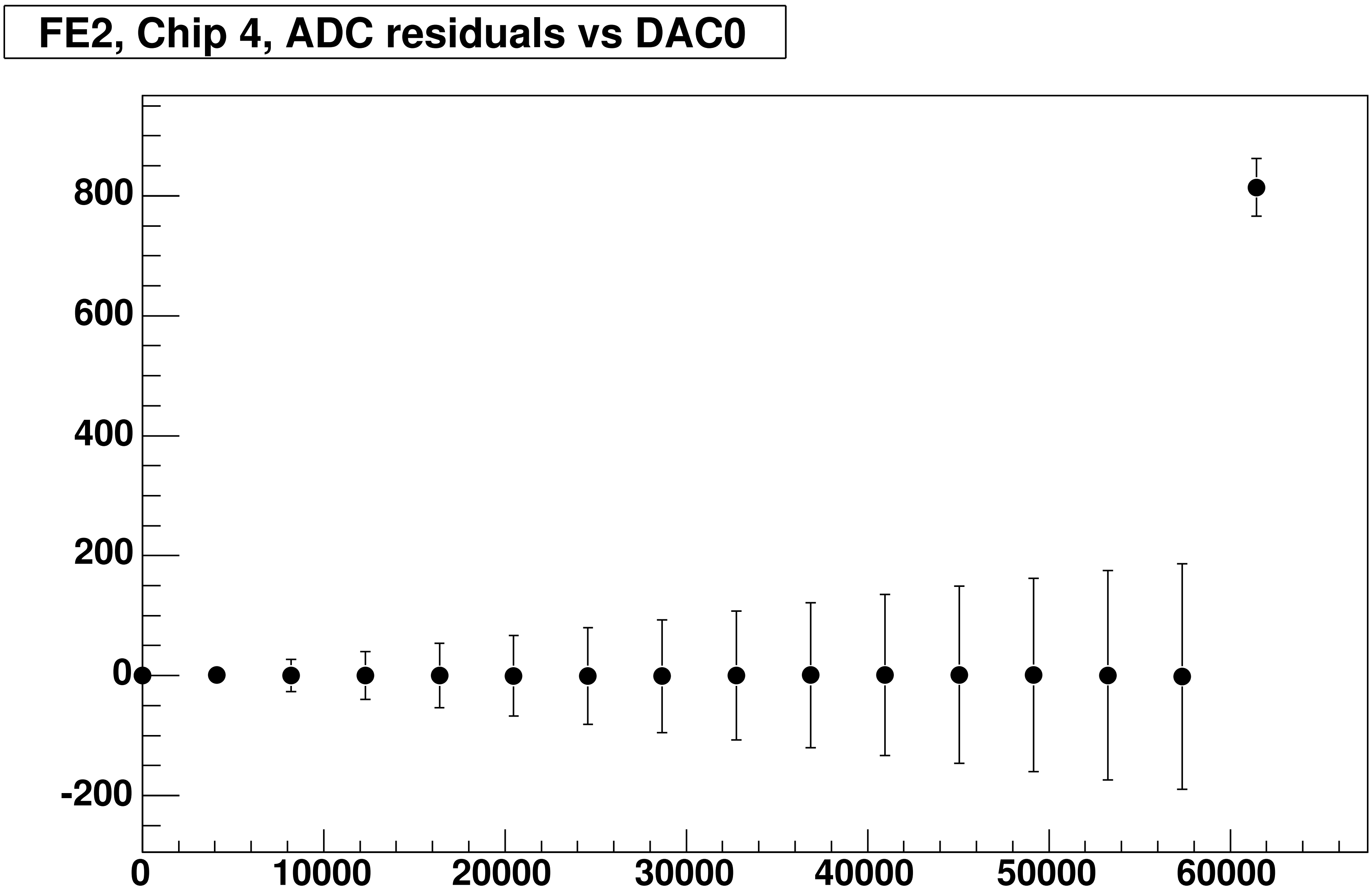
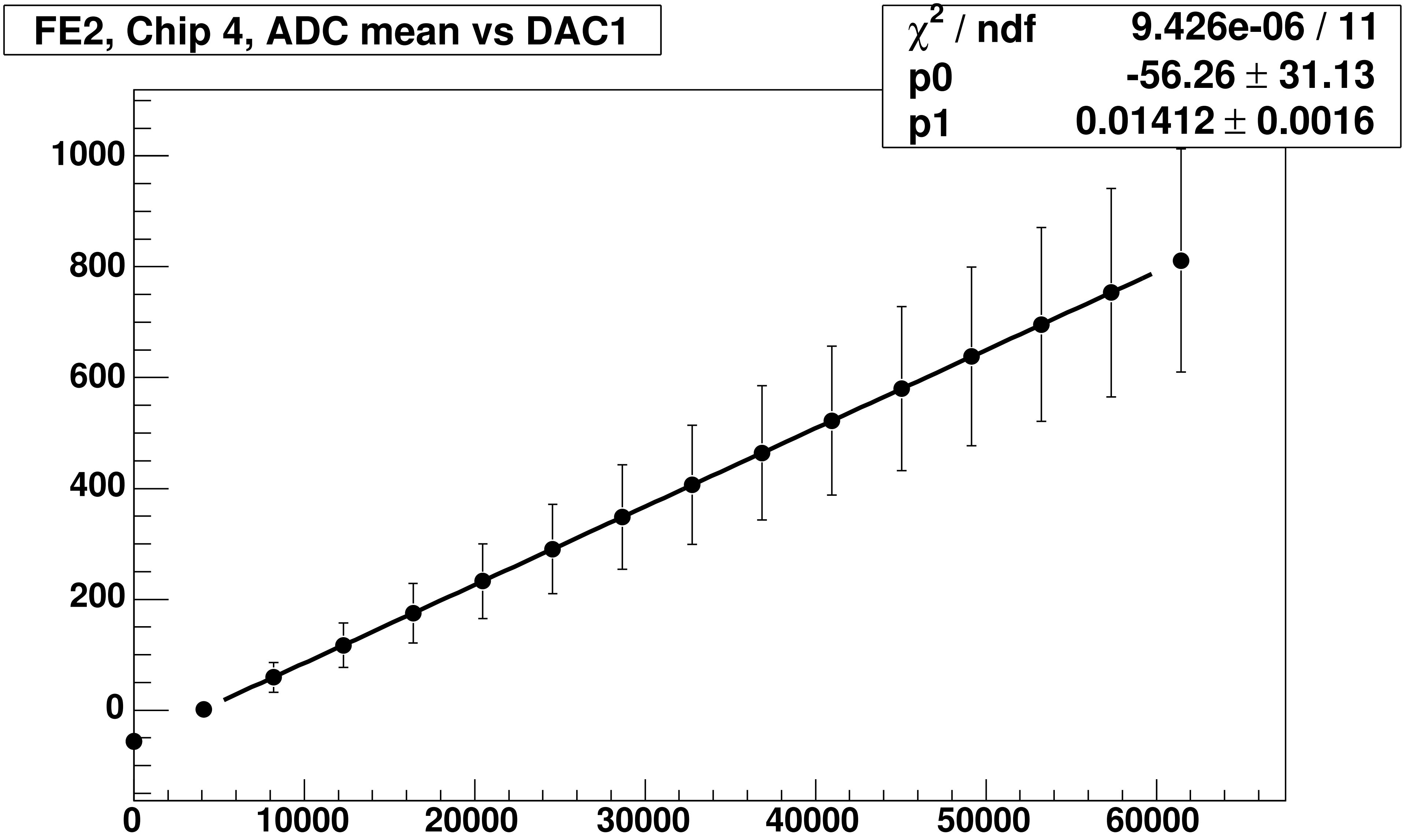
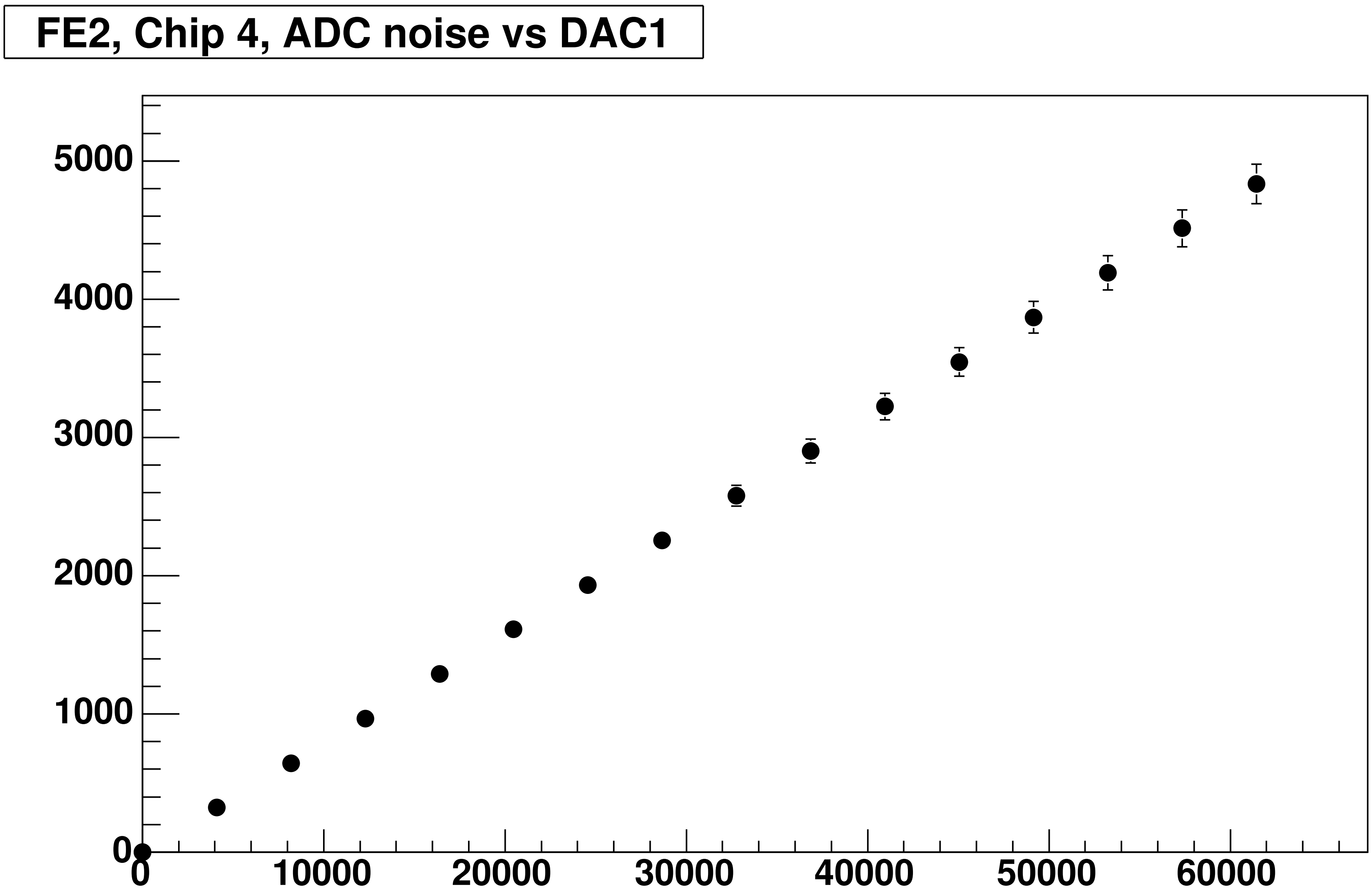
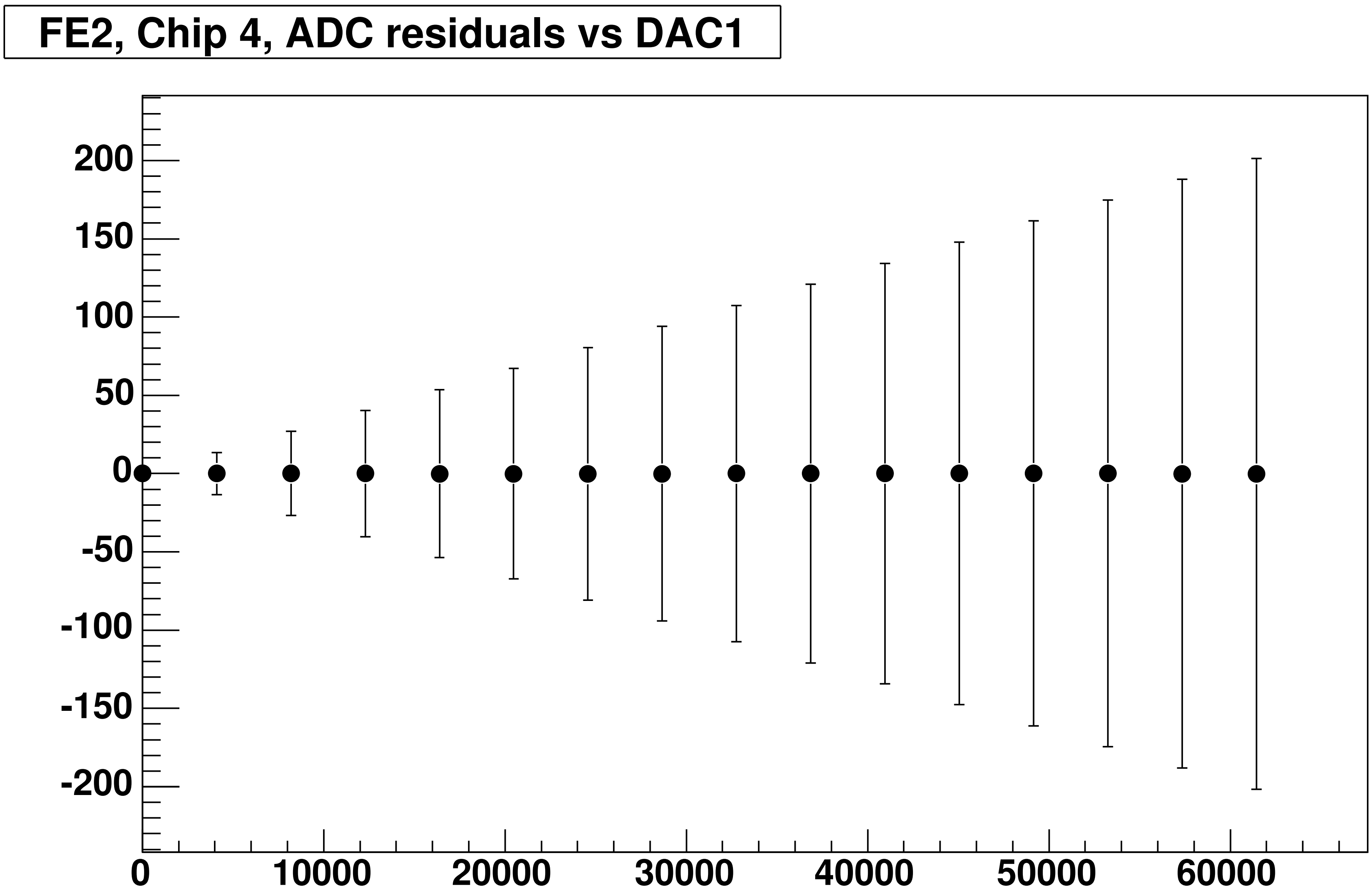
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

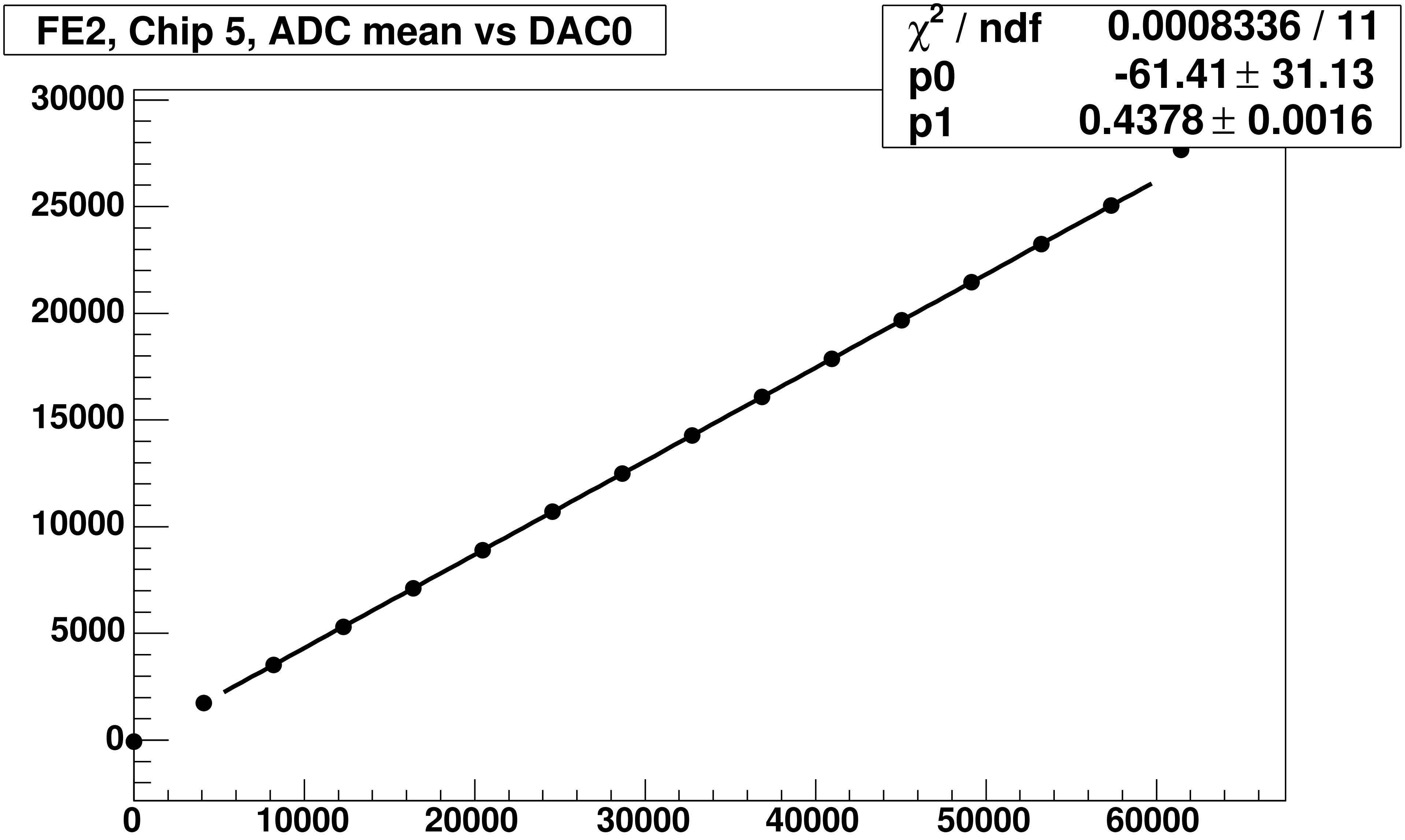

FE2, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

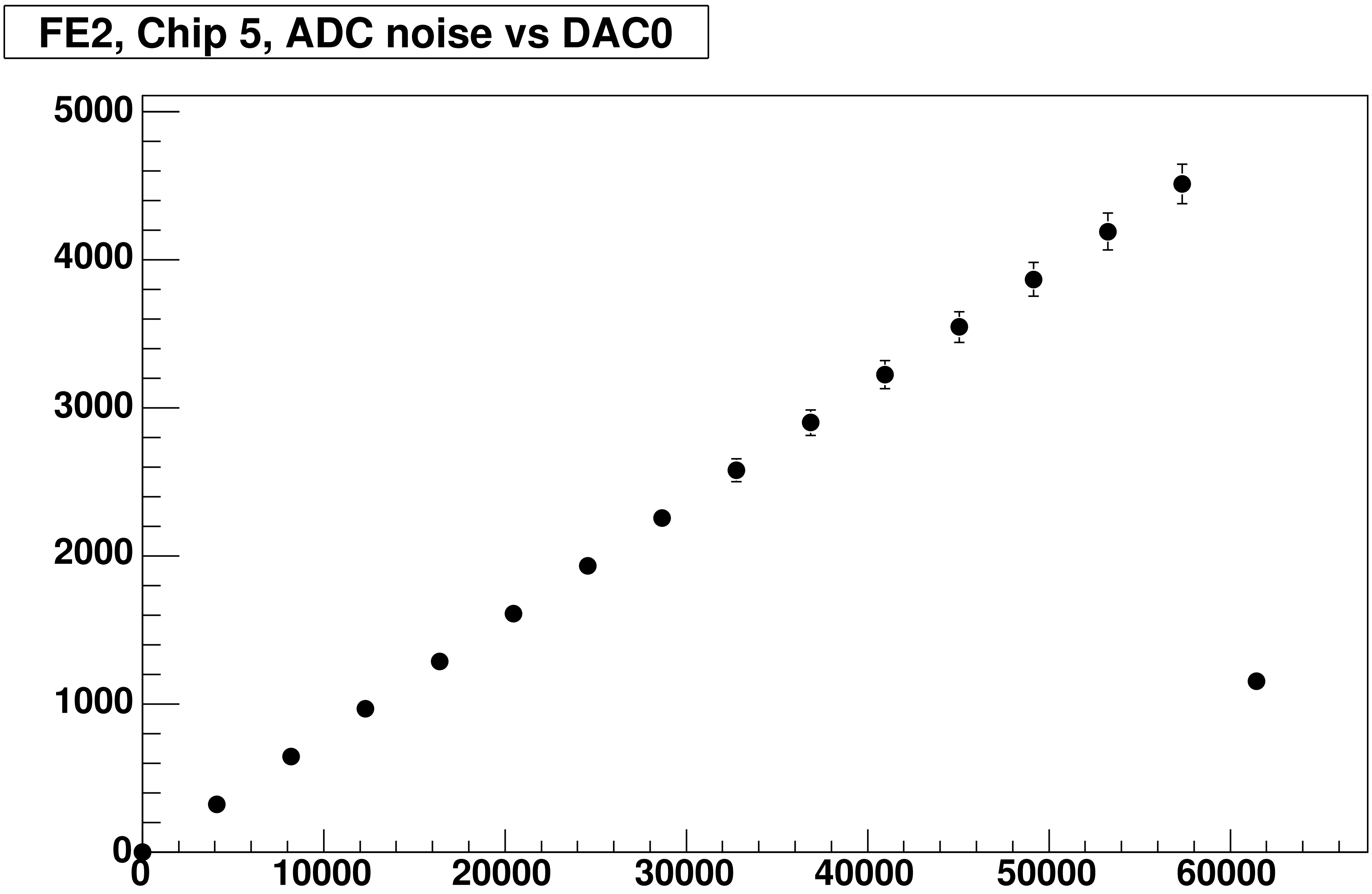

FE2, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

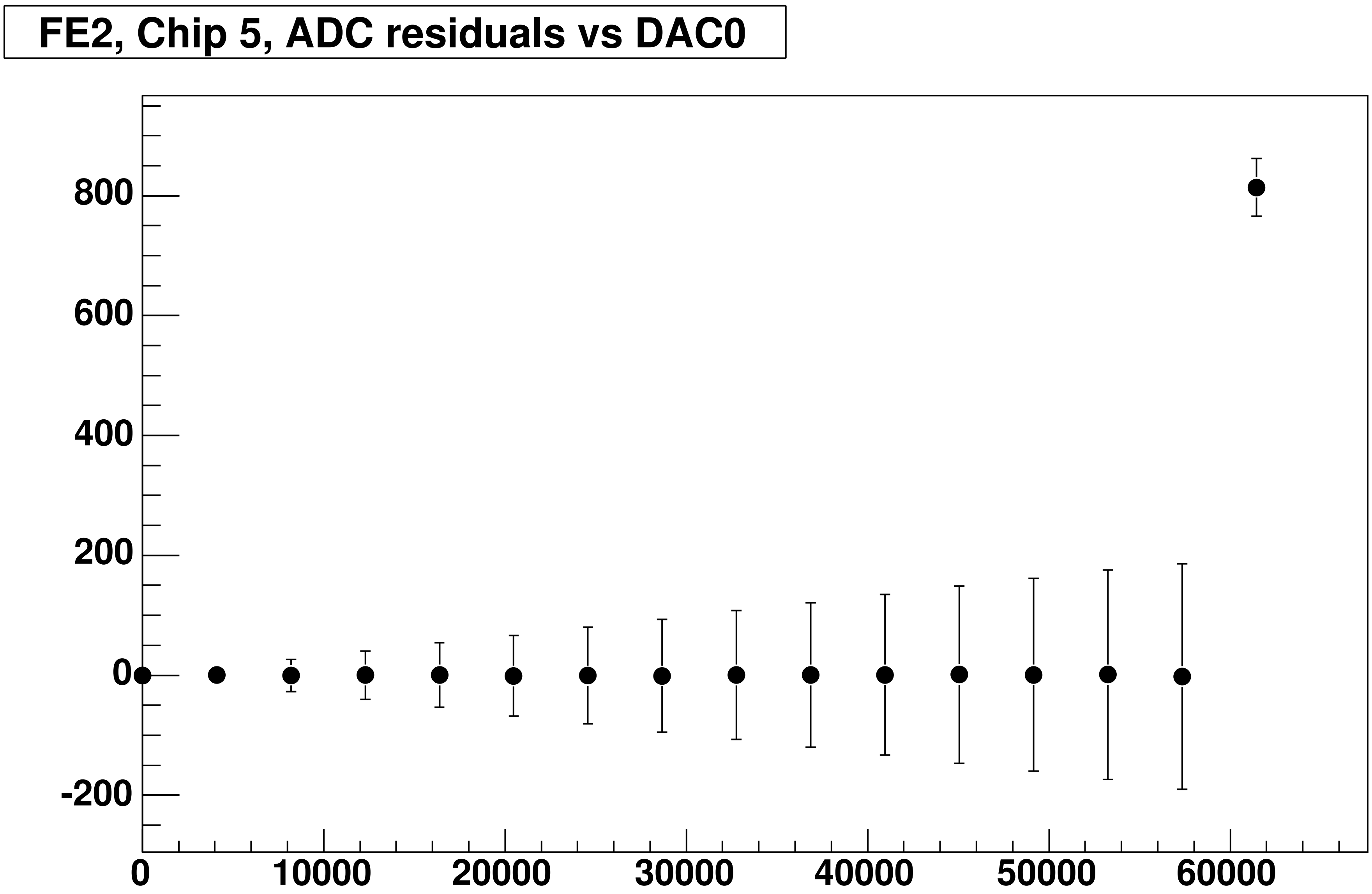

FE2, Chip 4, ADC mean vs DAC1
χ² / ndf 9.426e-06 / 11
p0 -56.26 ± 31.13
p1 0.01412 ± 0.0016
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

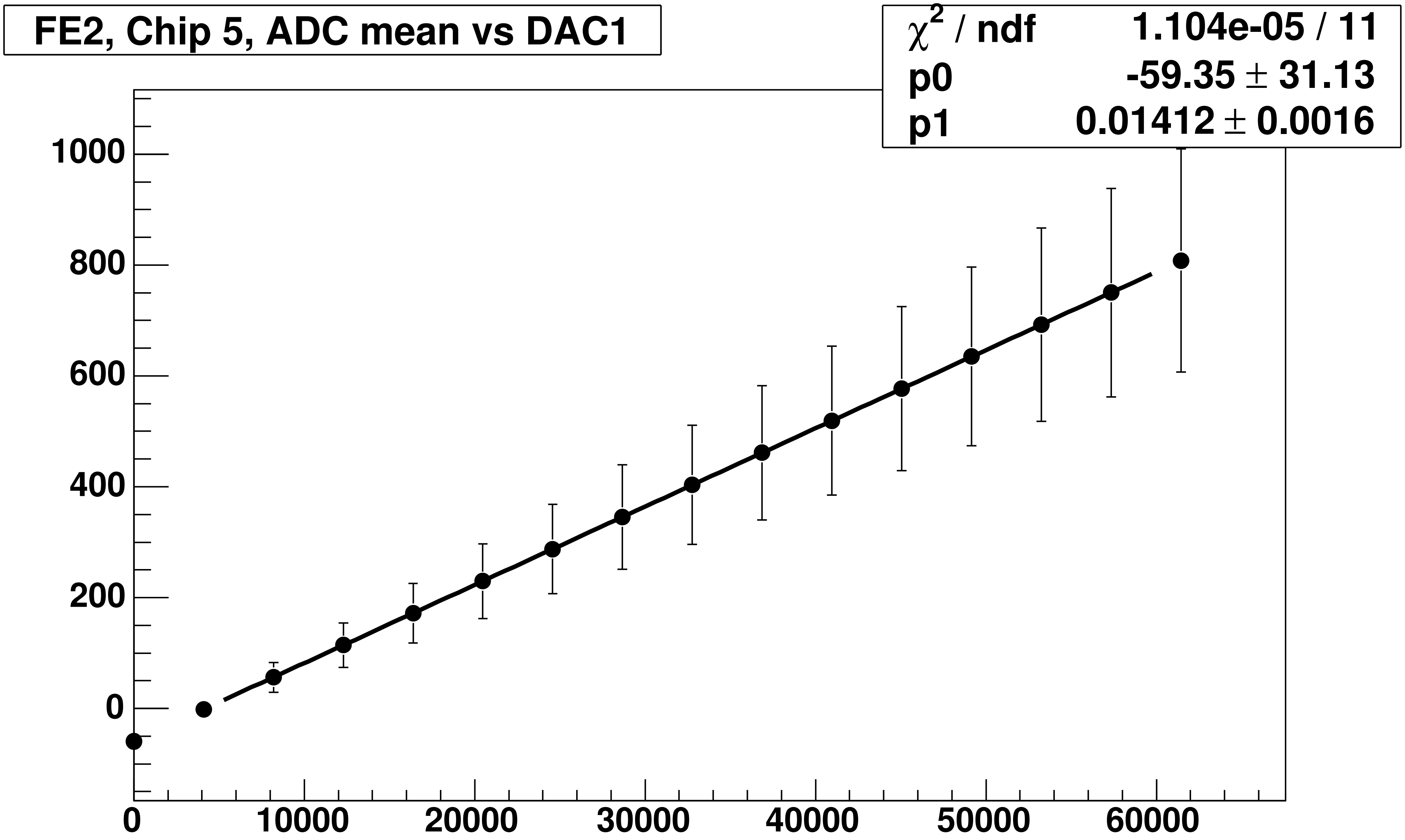

FE2, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

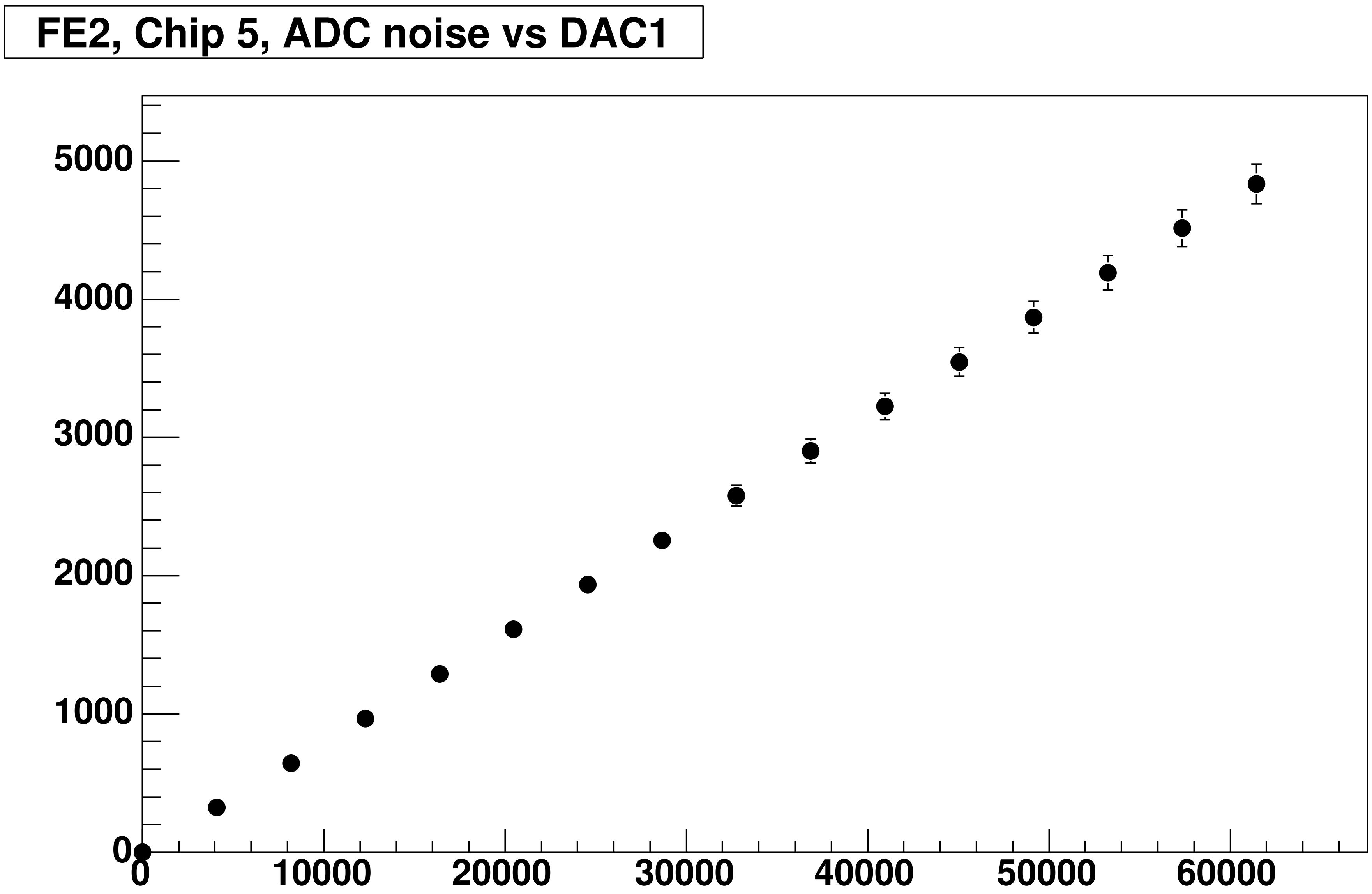

FE2, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

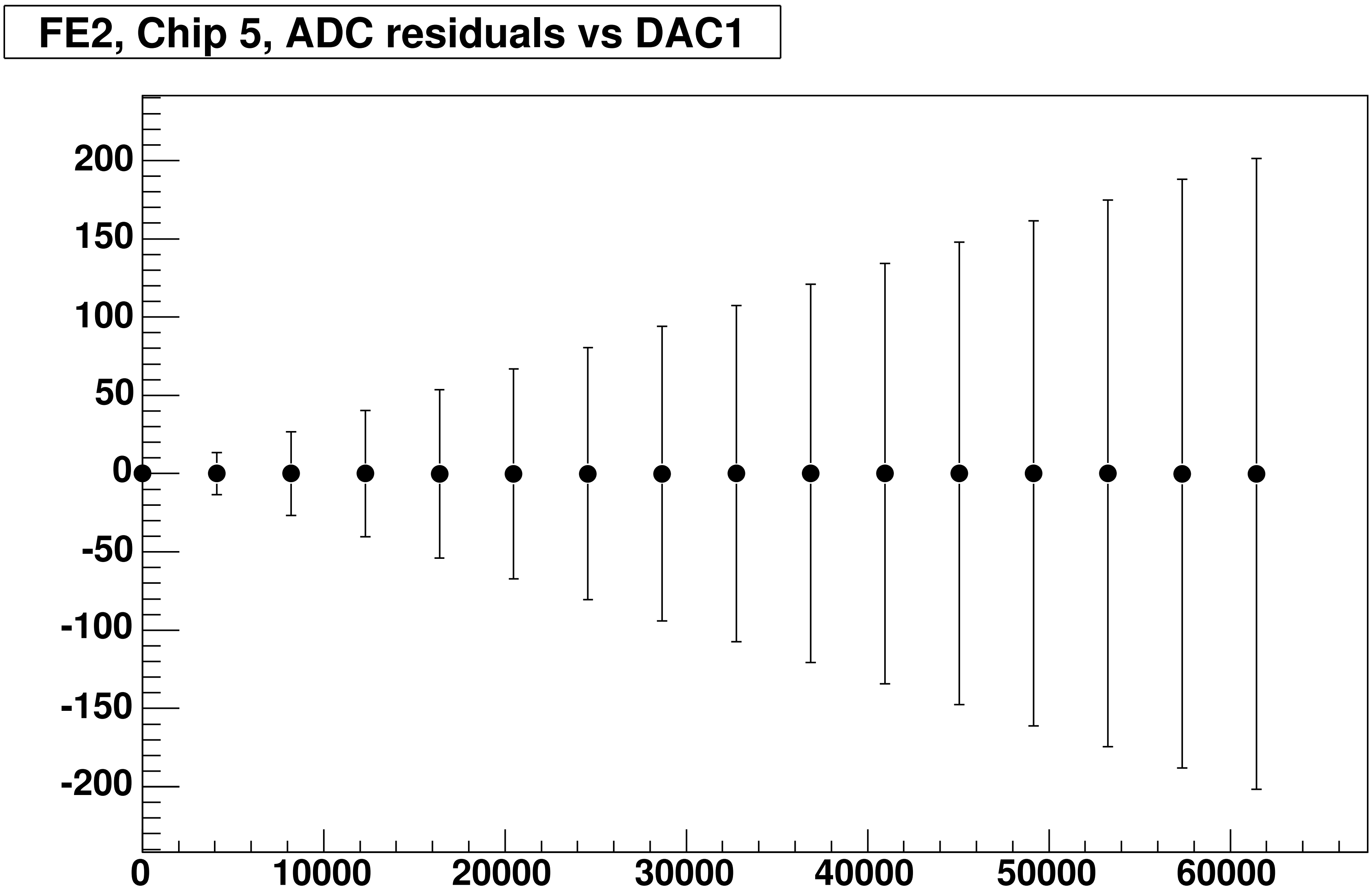

FE2, Chip 5, ADC mean vs DAC0
$\chi^2$ / ndf 0.0008336 / 11
p0 -61.41 ± 31.13
p1 0.4378 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

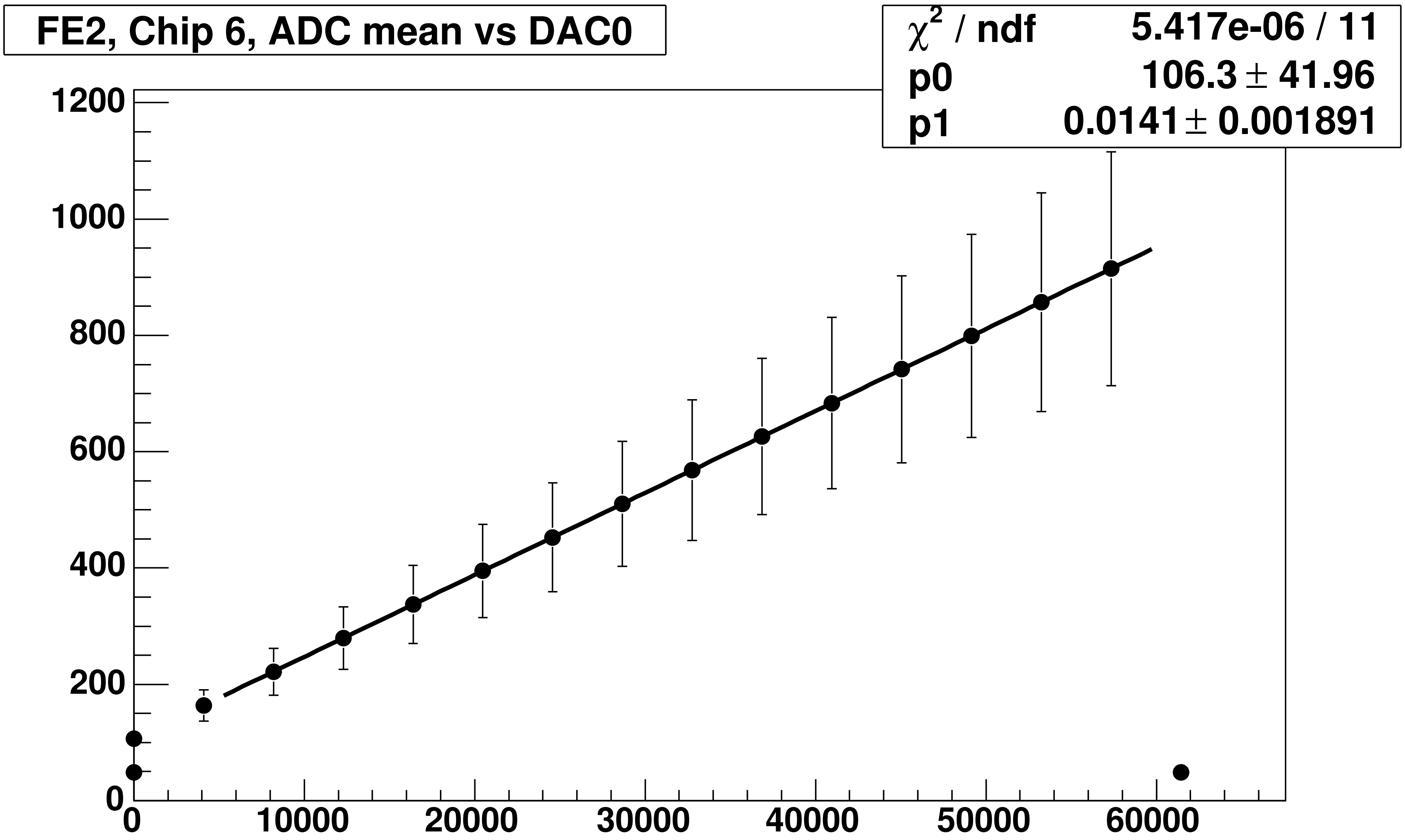

FE2, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 5, ADC mean vs DAC1
$\chi^2$ / ndf 1.104e-05 / 11
p0 -59.35 ± 31.13
p1 0.01412 ± 0.0016
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

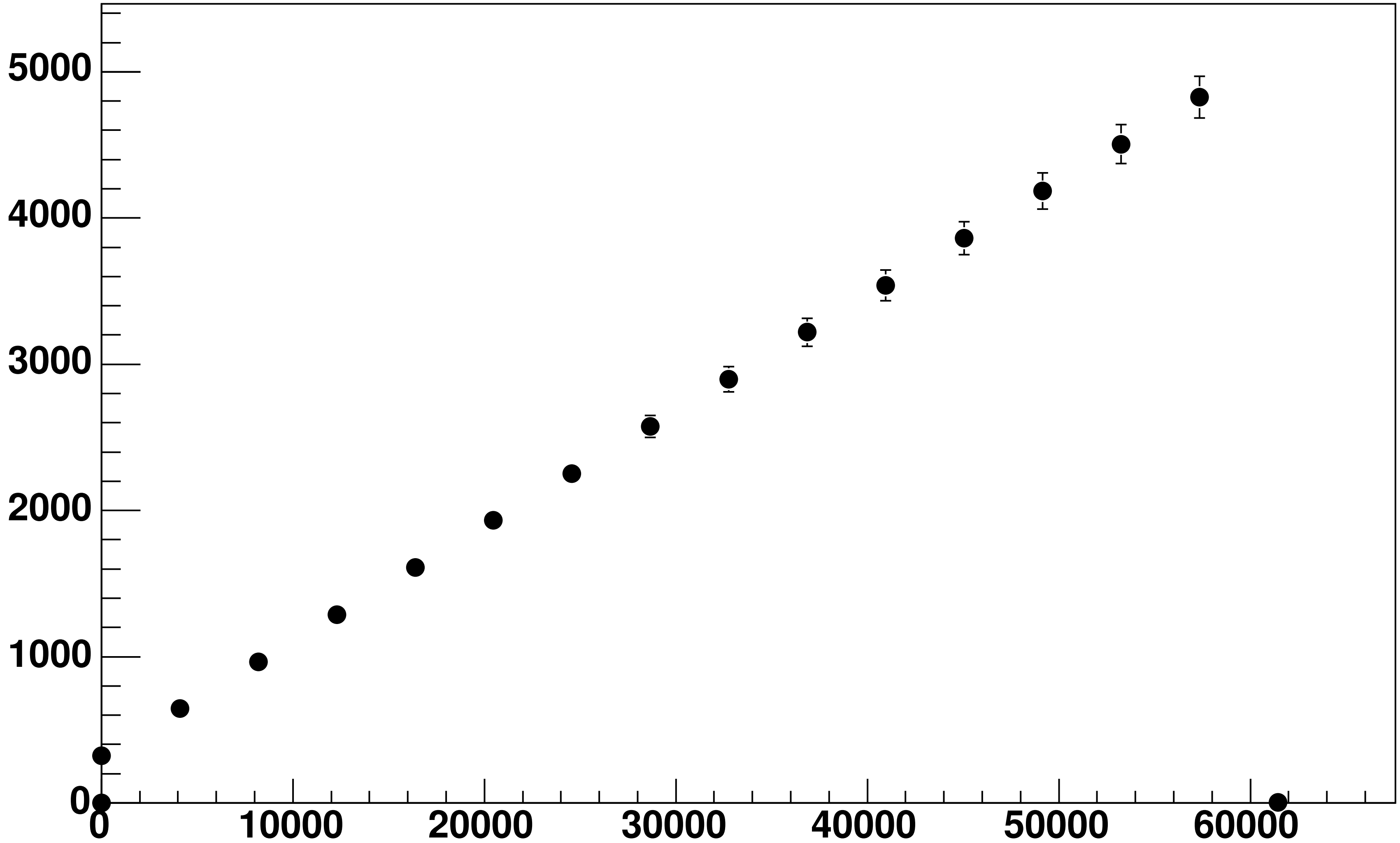

FE2, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

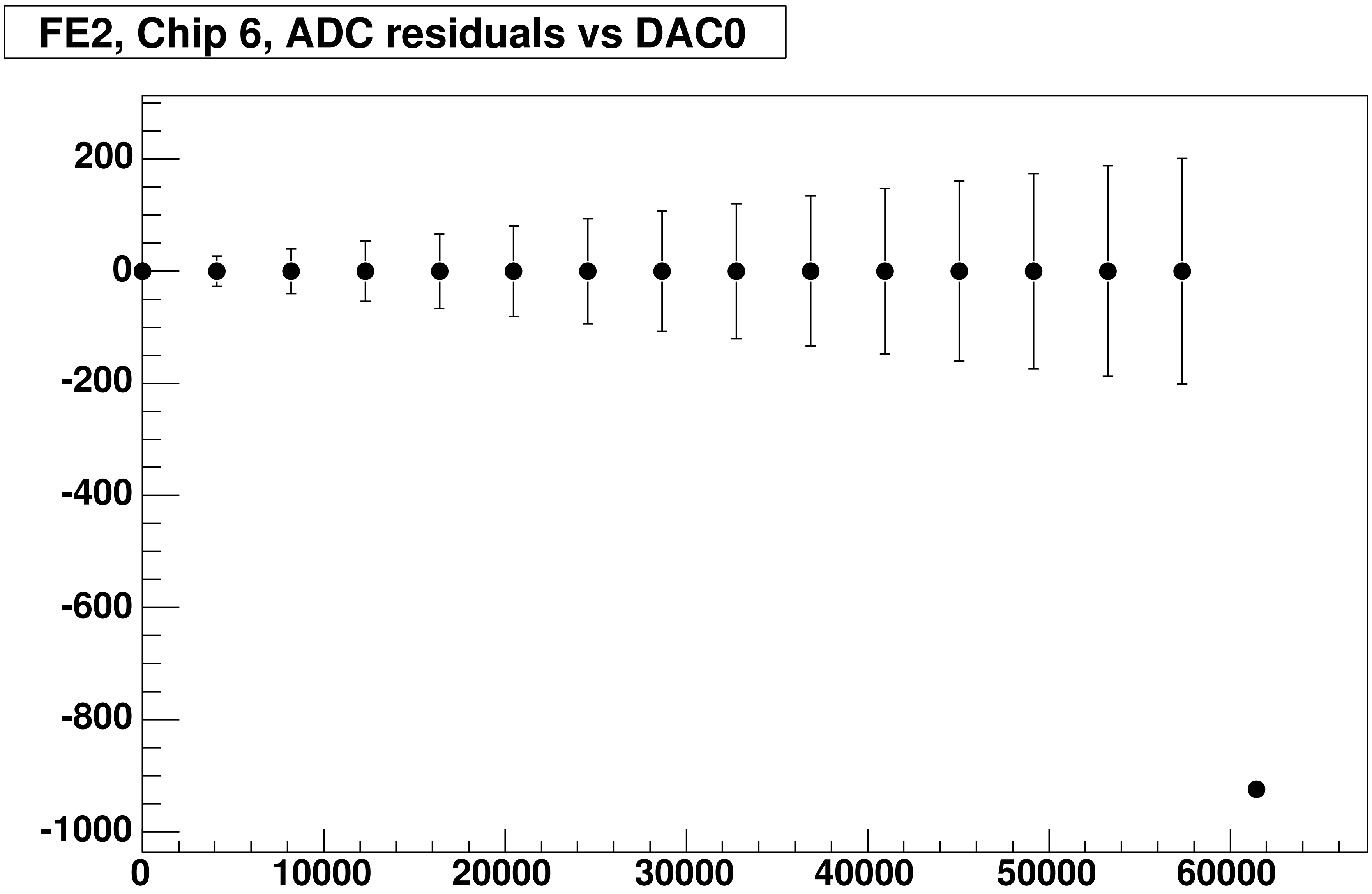


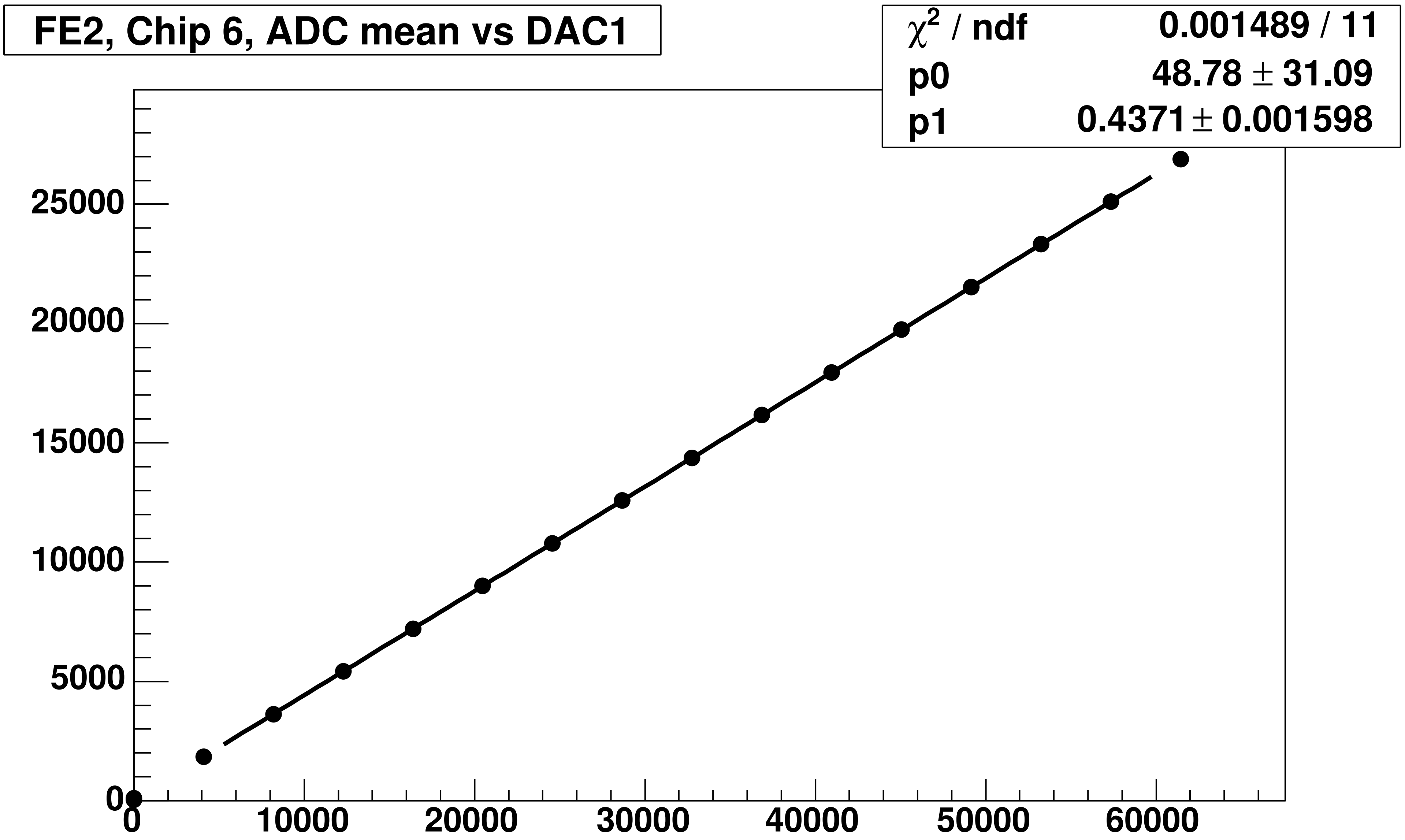
FE2, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

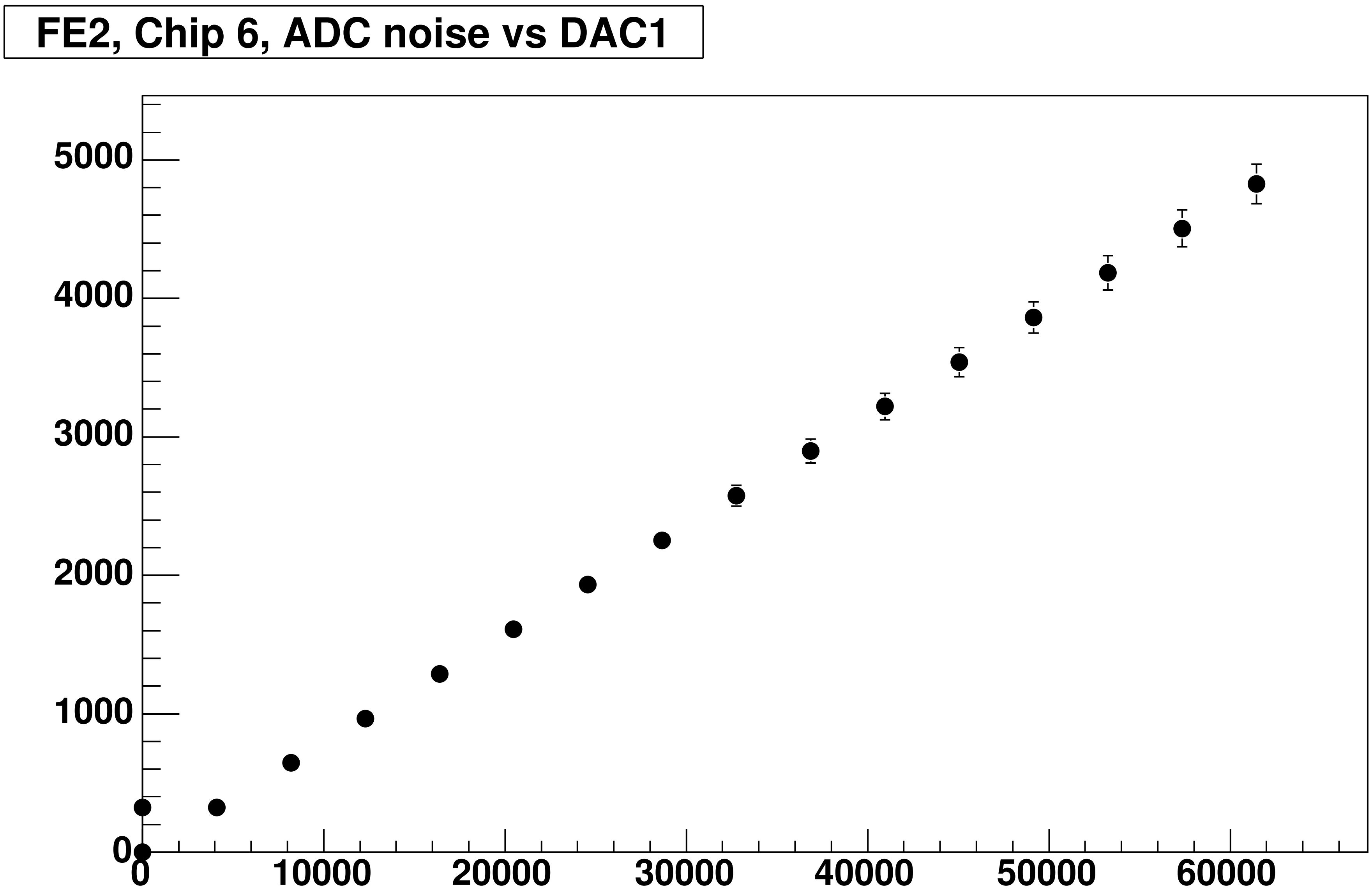

FE2, Chip 6, ADC mean vs DAC0
$\chi^2$ / ndf 5.417e-06 / 11
p0 106.3 ± 41.96
p1 0.0141 ± 0.001891
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

FE2, Chip 6, ADC noise vs DAC0

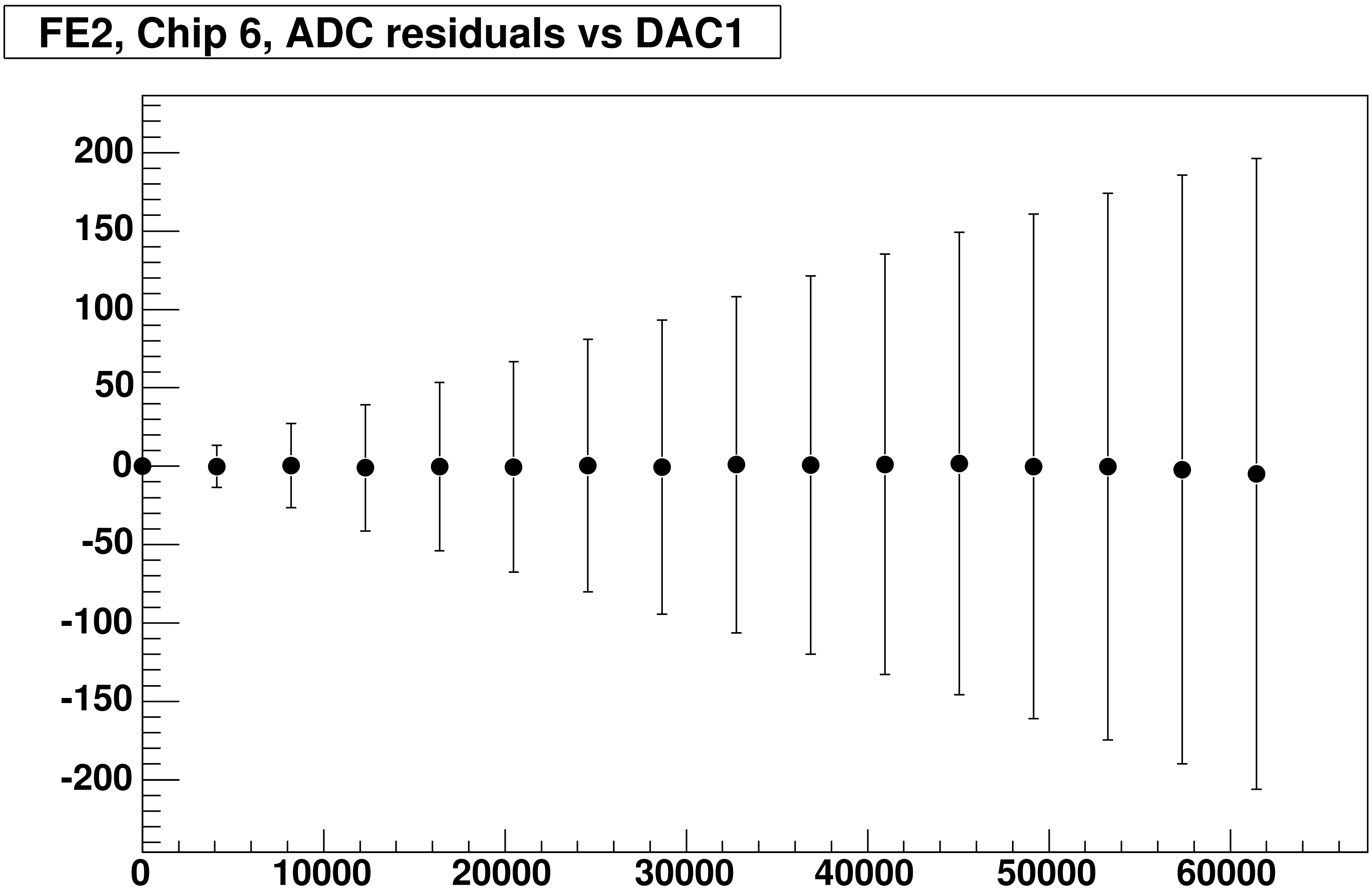


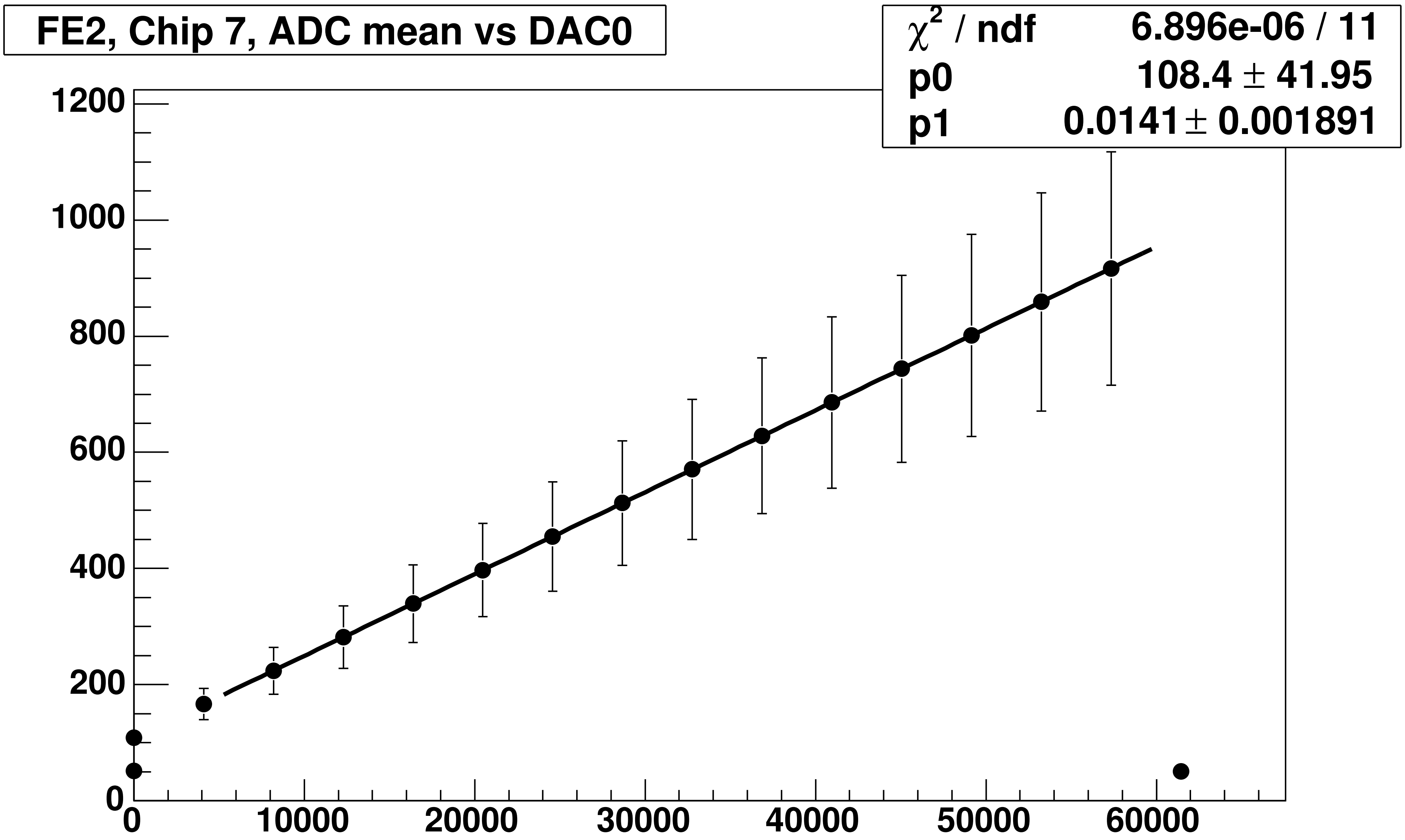

FE2, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.001489 / 11
p0 48.78 ± 31.09
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

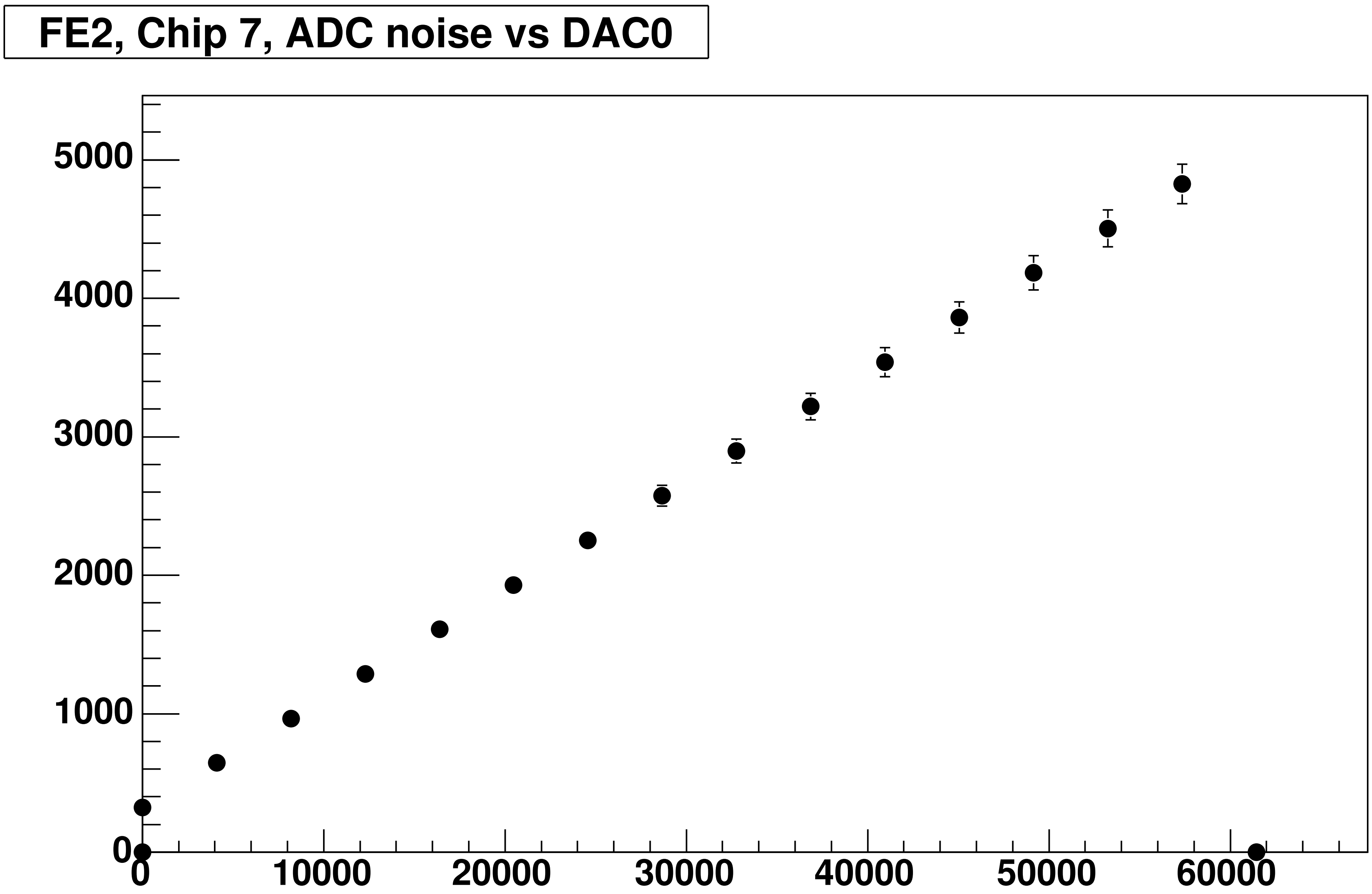


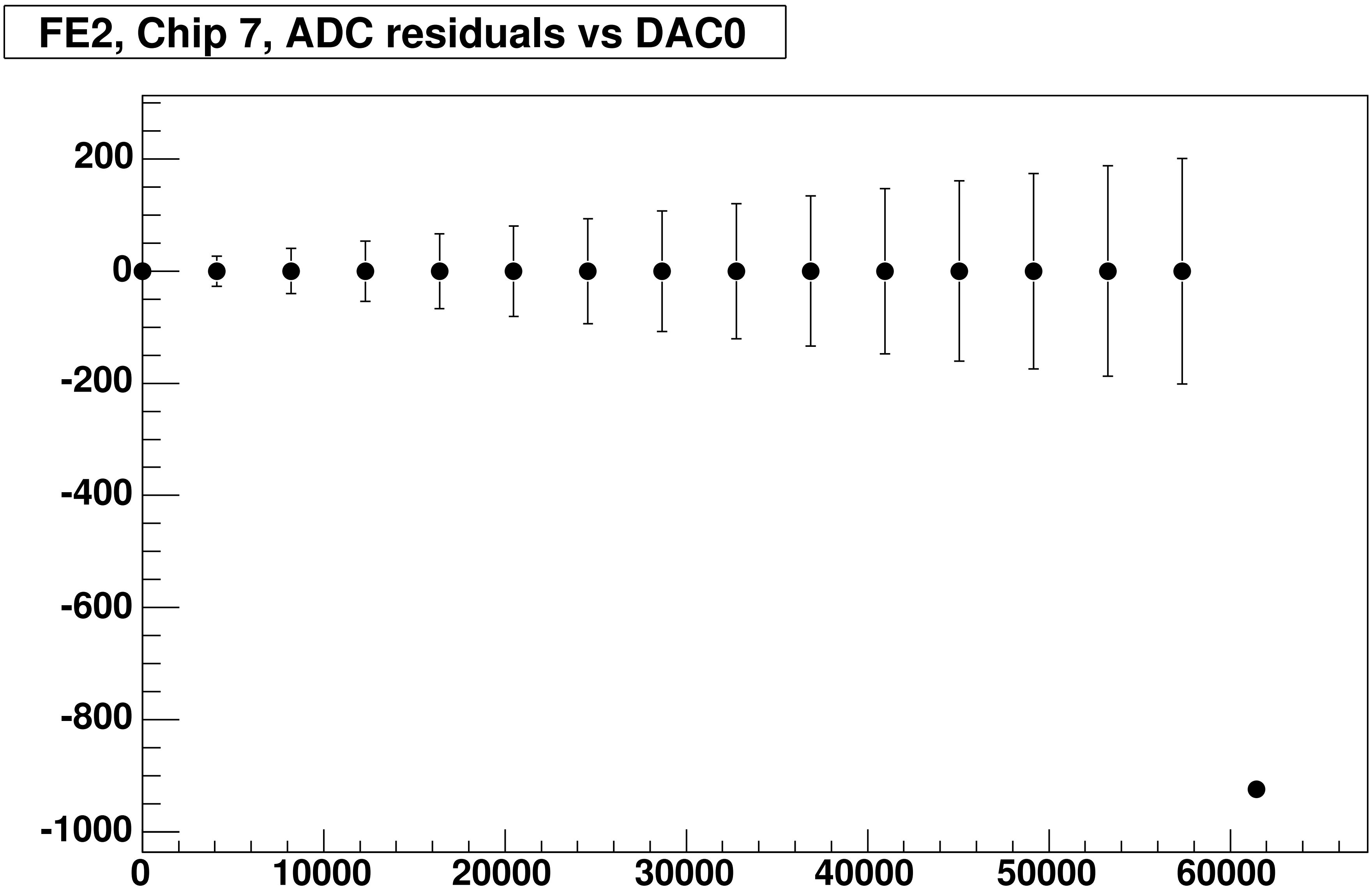
FE2, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

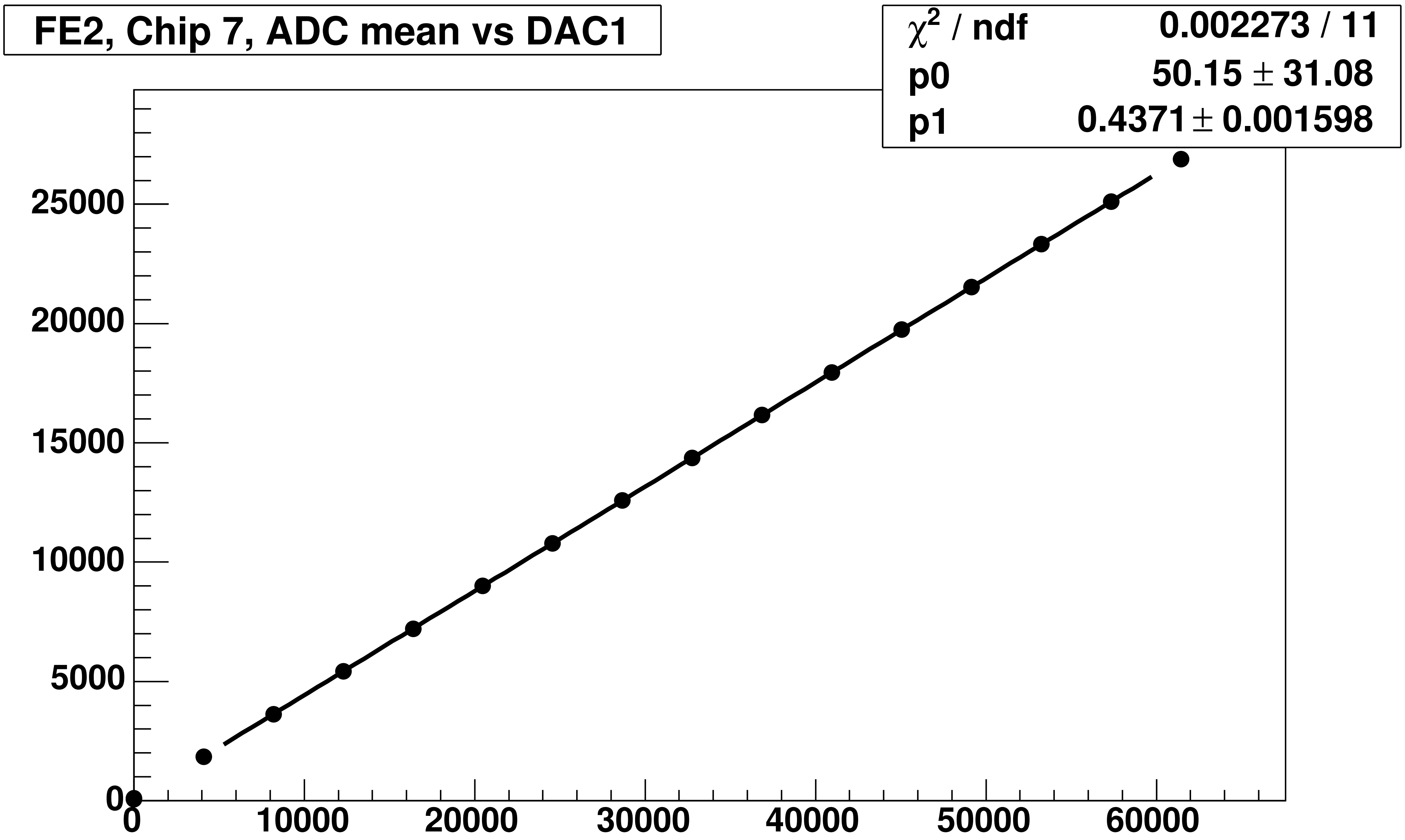

FE2, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



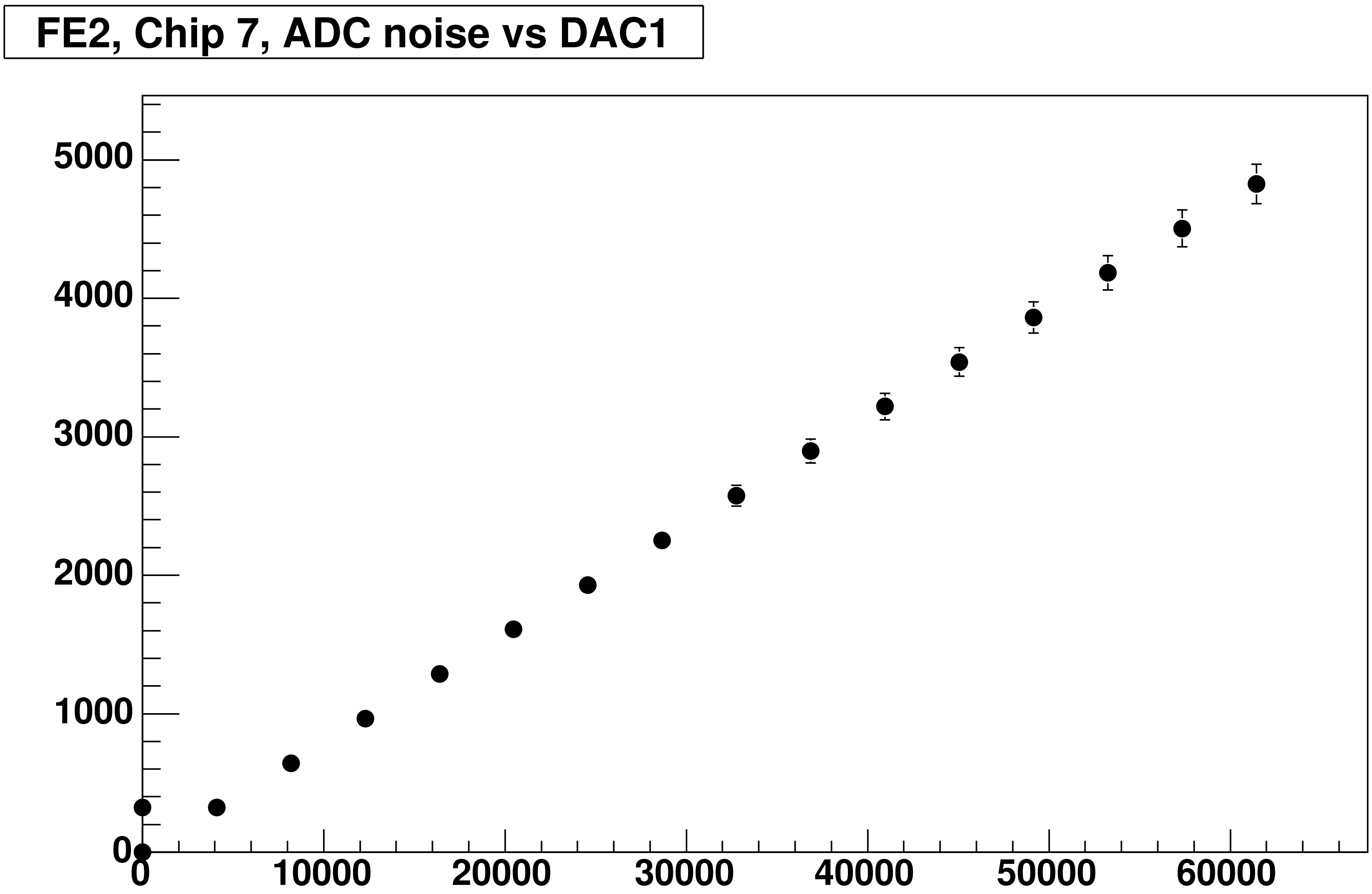
FE2, Chip 7, ADC mean vs DAC0
$\chi^2$ / ndf 6.896e-06 / 11
p0 108.4 ± 41.95
p1 0.0141 ± 0.001891
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

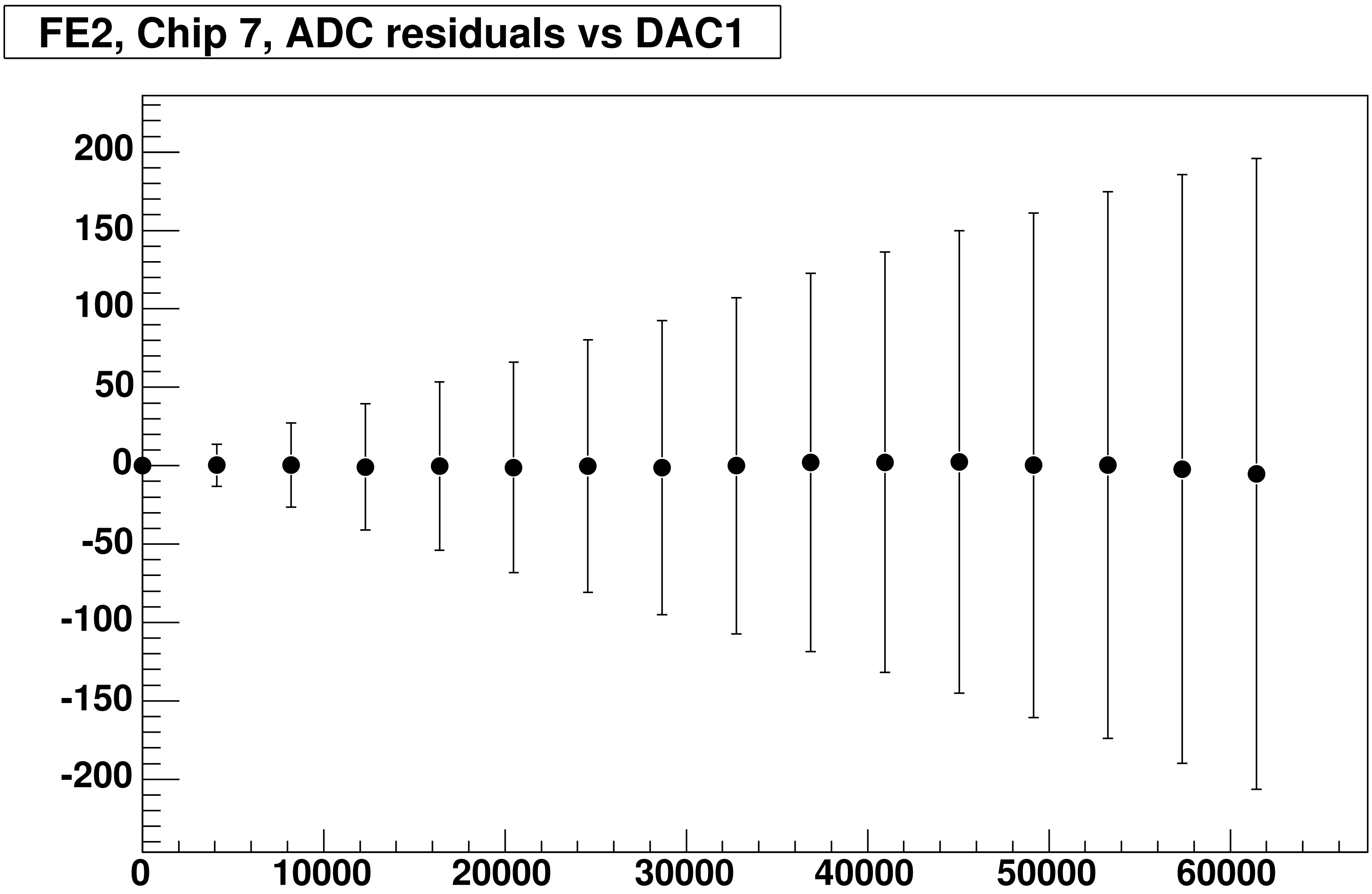

FE2, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

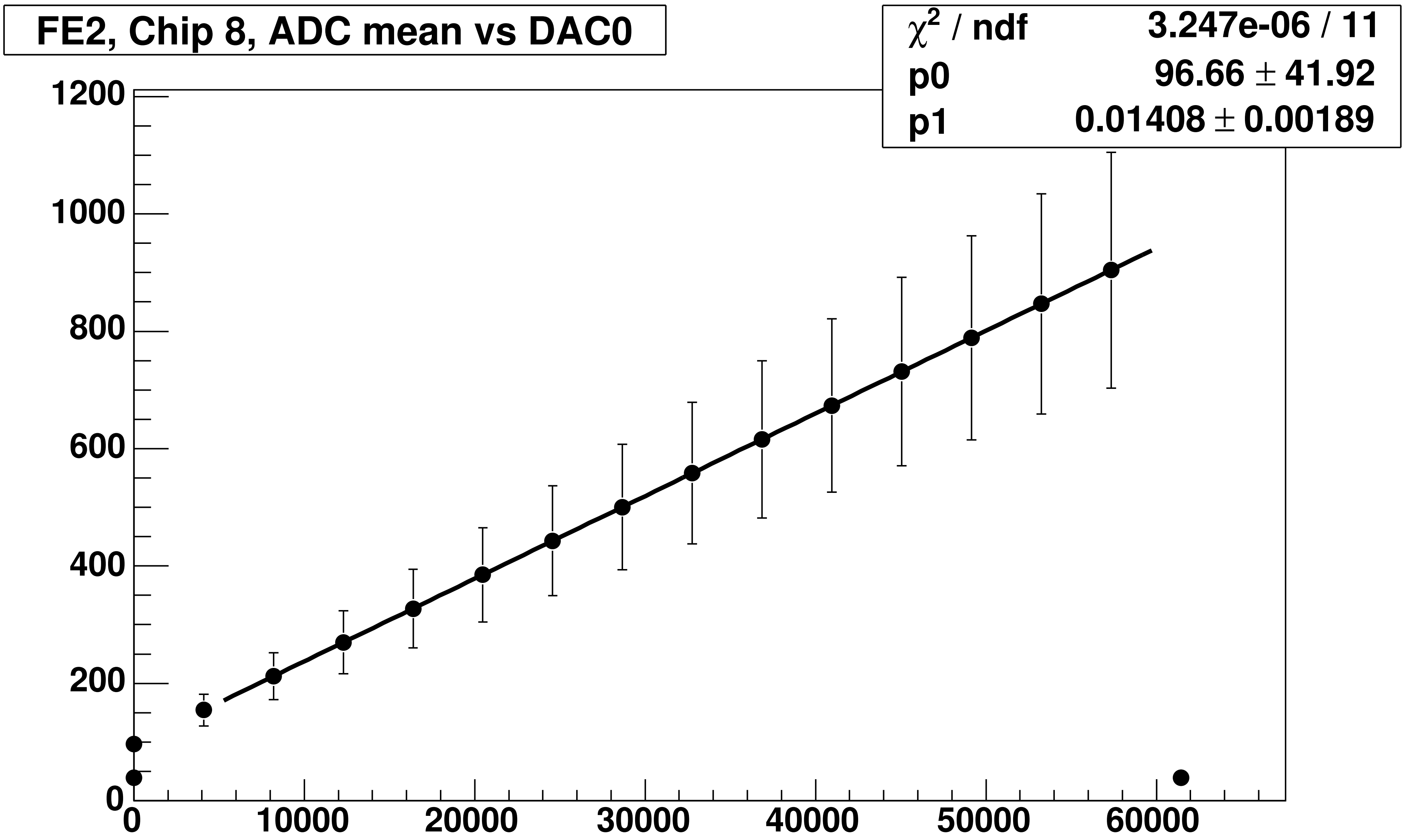


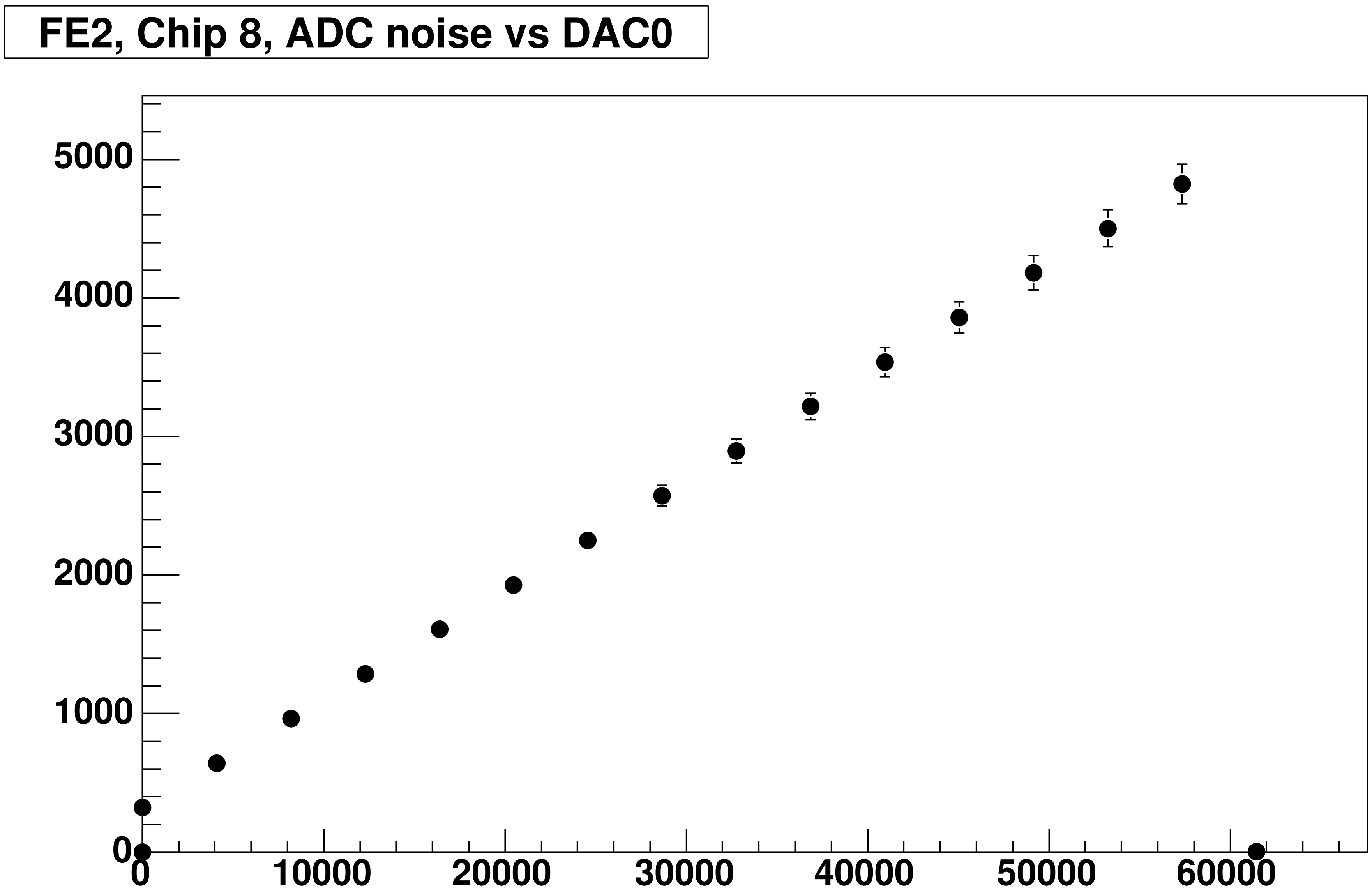
FE2, Chip 7, ADC mean vs DAC1
$\chi^2$ / ndf 0.002273 / 11
p0 50.15 ± 31.08
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

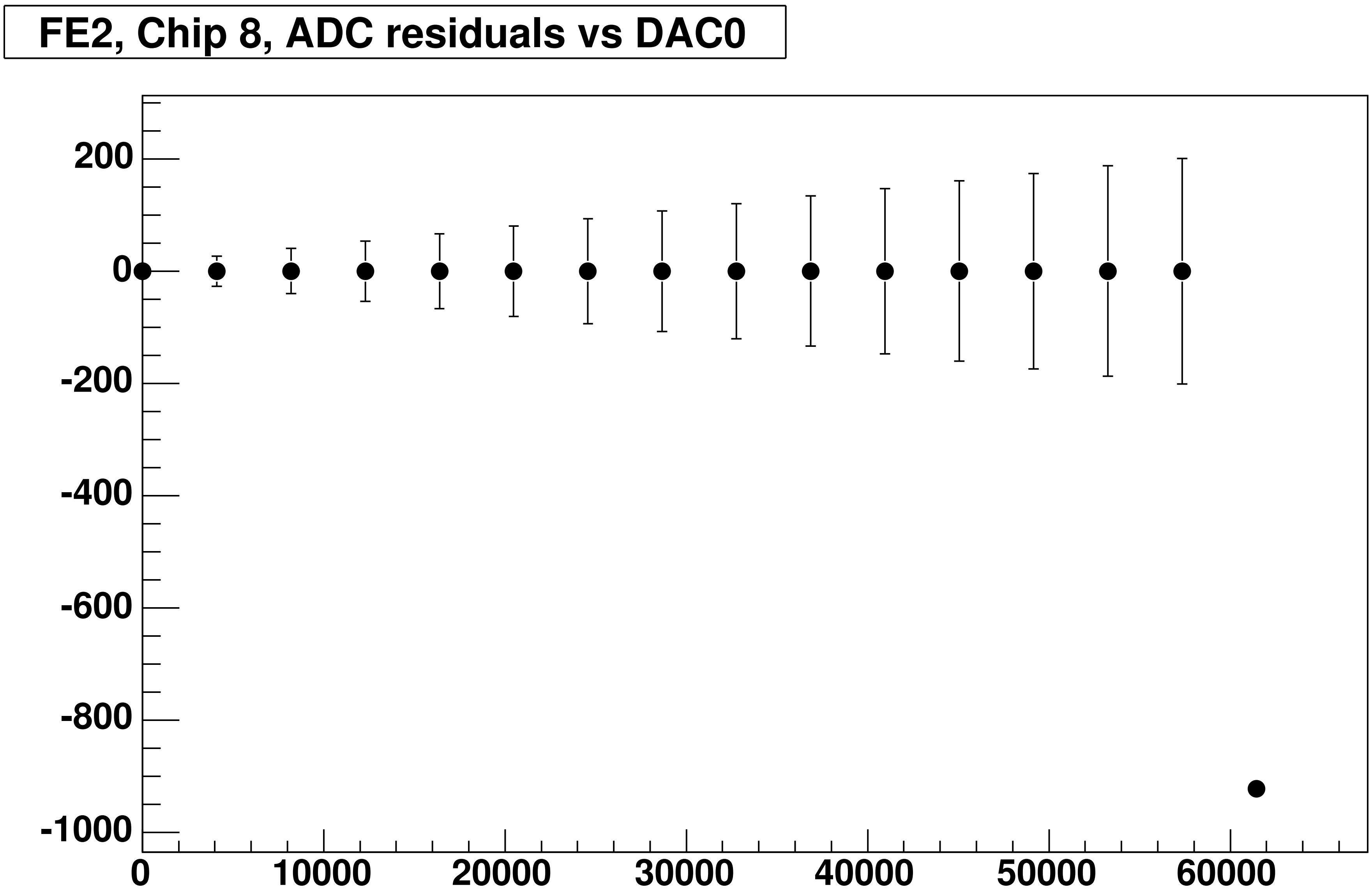


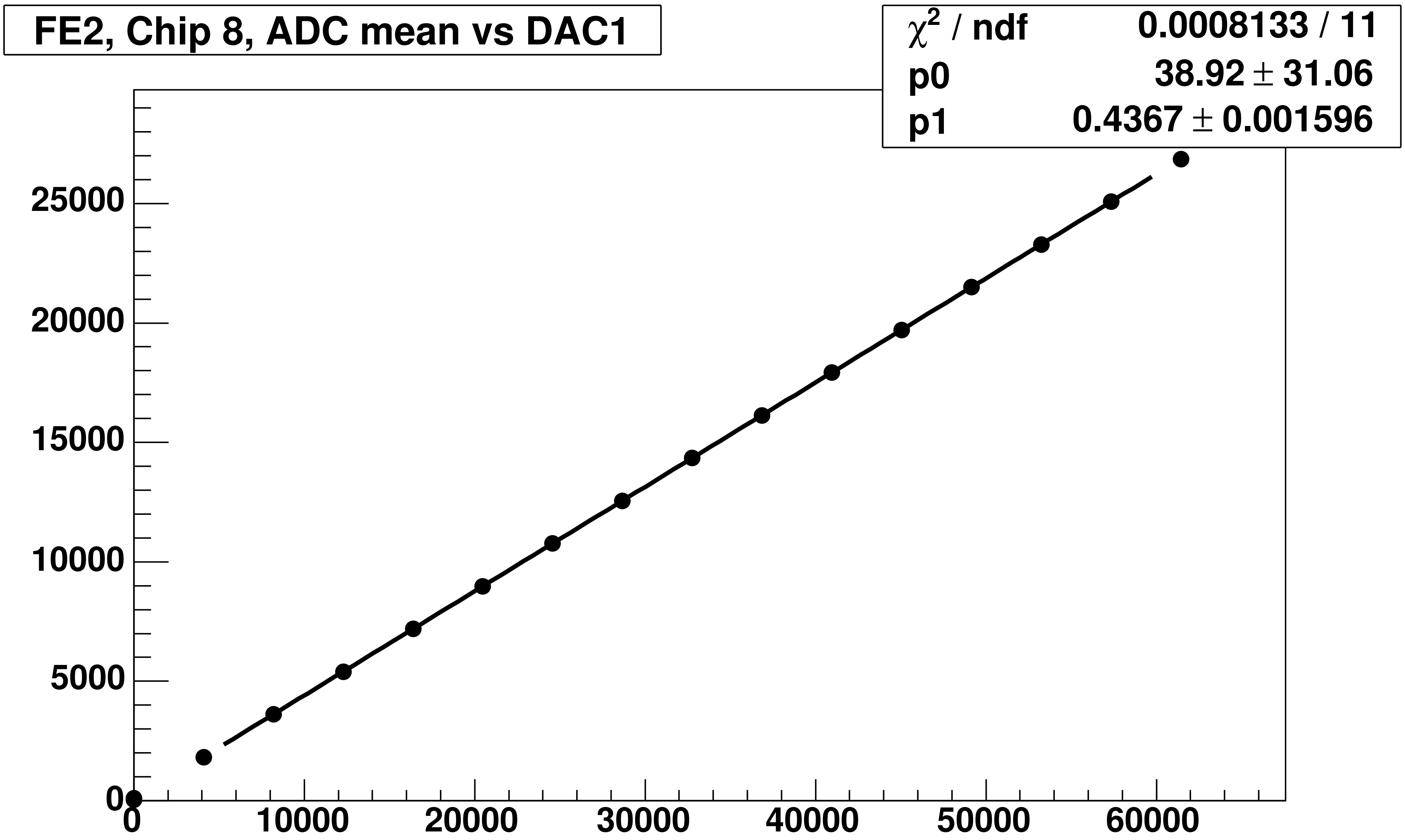
FE2, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

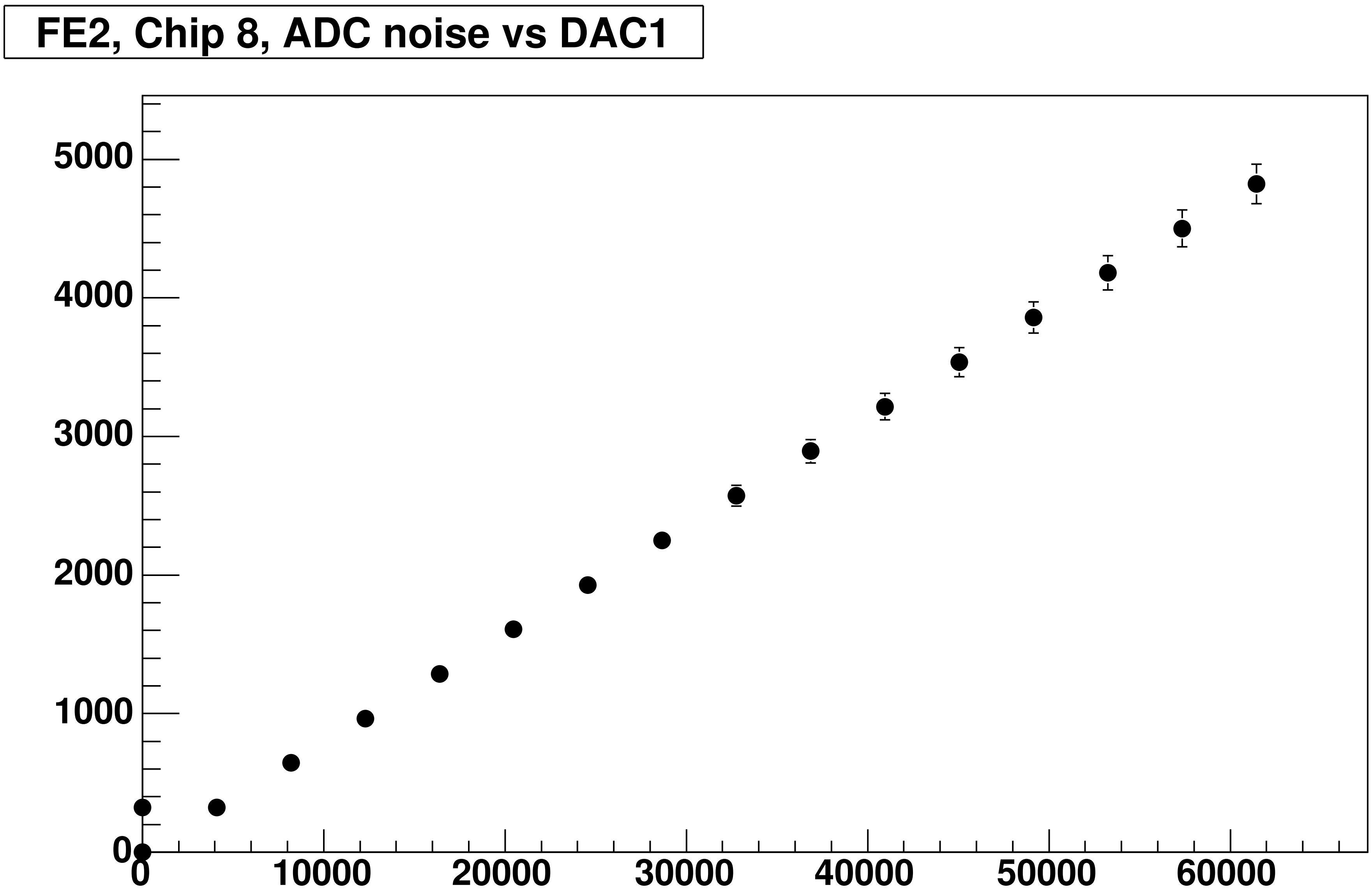

FE2, Chip 8, ADC mean vs DAC0
$\chi^2$ / ndf 3.247e-06 / 11
p0 96.66 ± 41.92
p1 0.01408 ± 0.00189
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

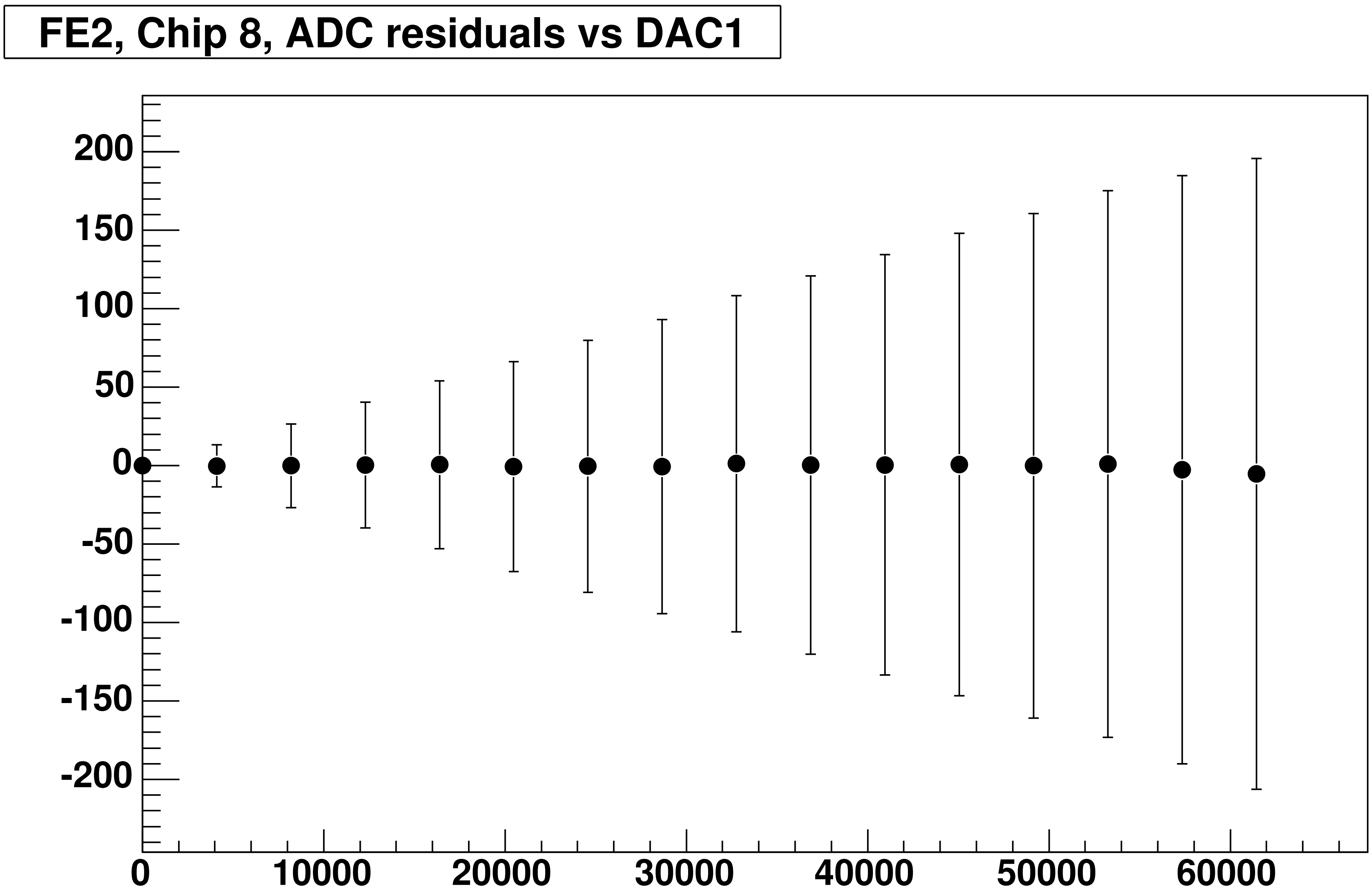

FE2, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

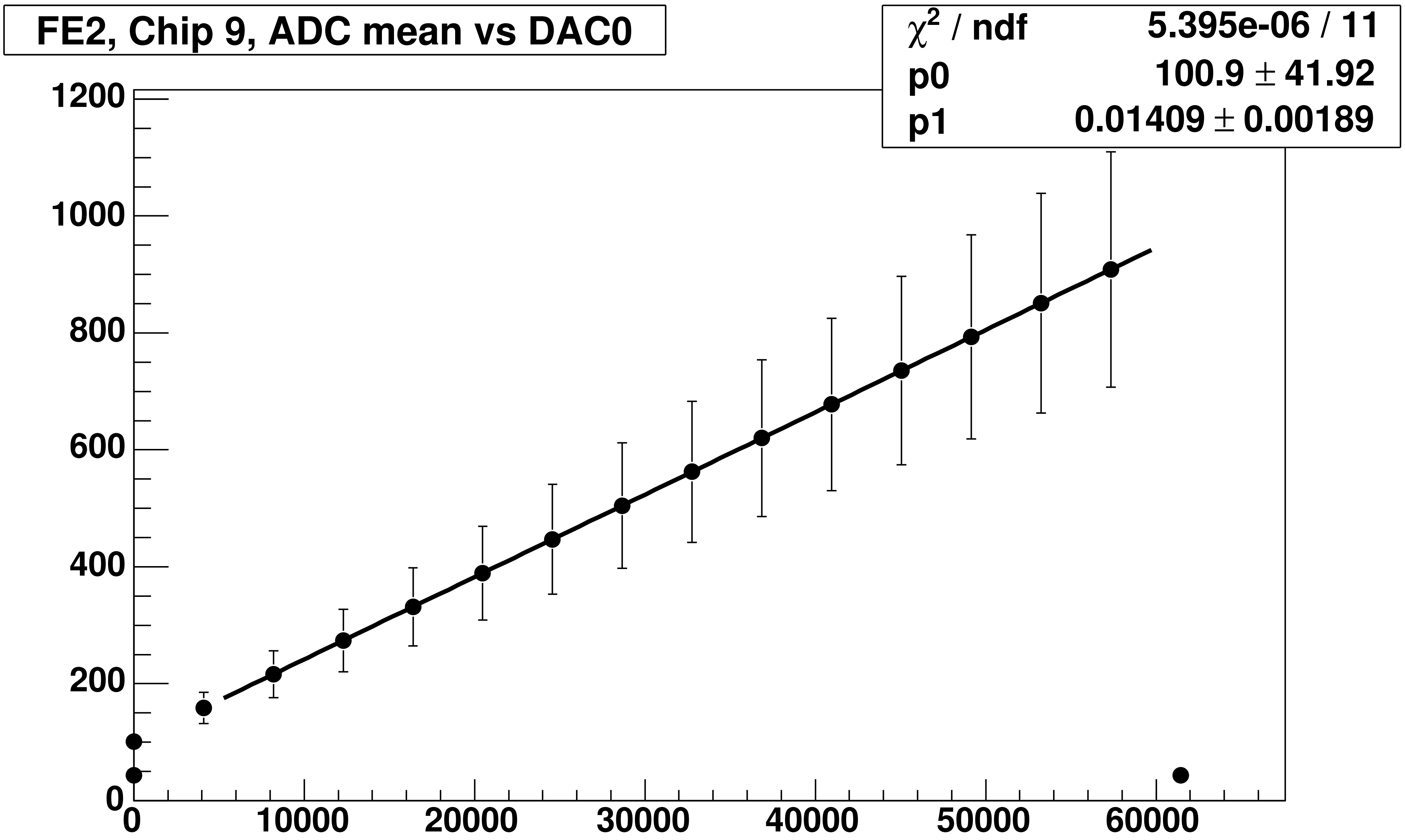

FE2, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

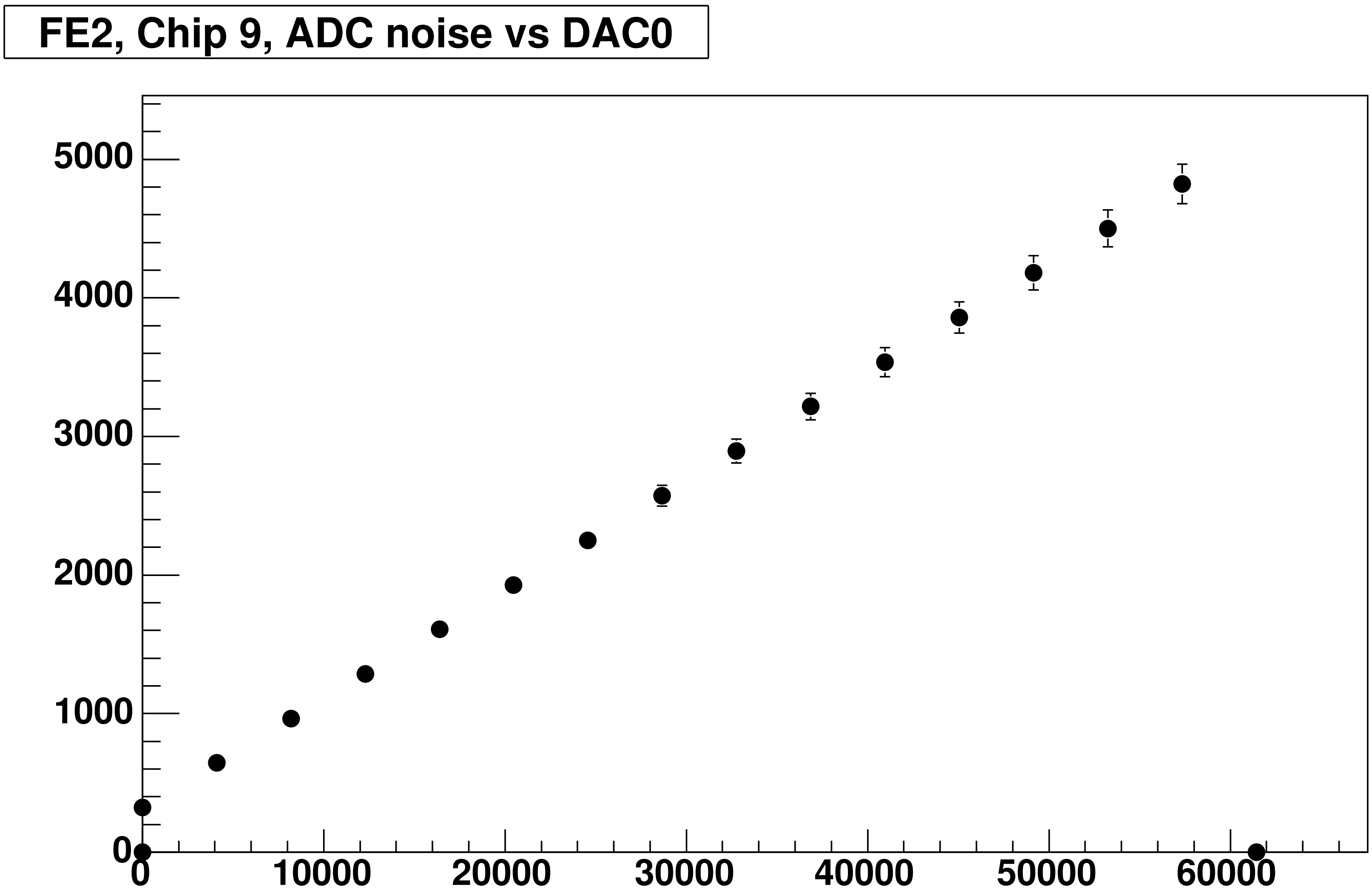


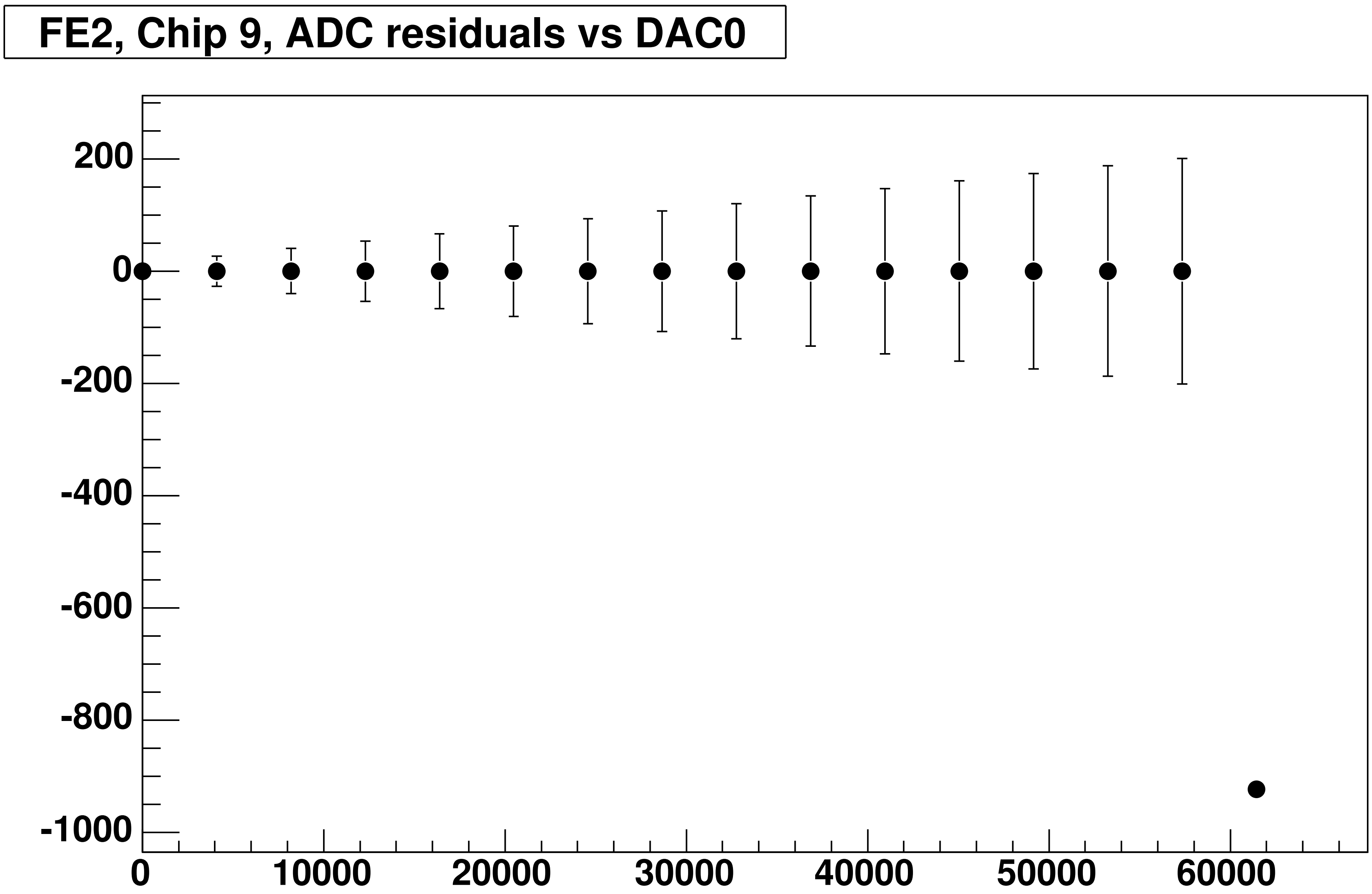
FE2, Chip 8, ADC mean vs DAC1
$\chi^2$ / ndf 0.0008133 / 11
p0 38.92 ± 31.06
p1 0.4367 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

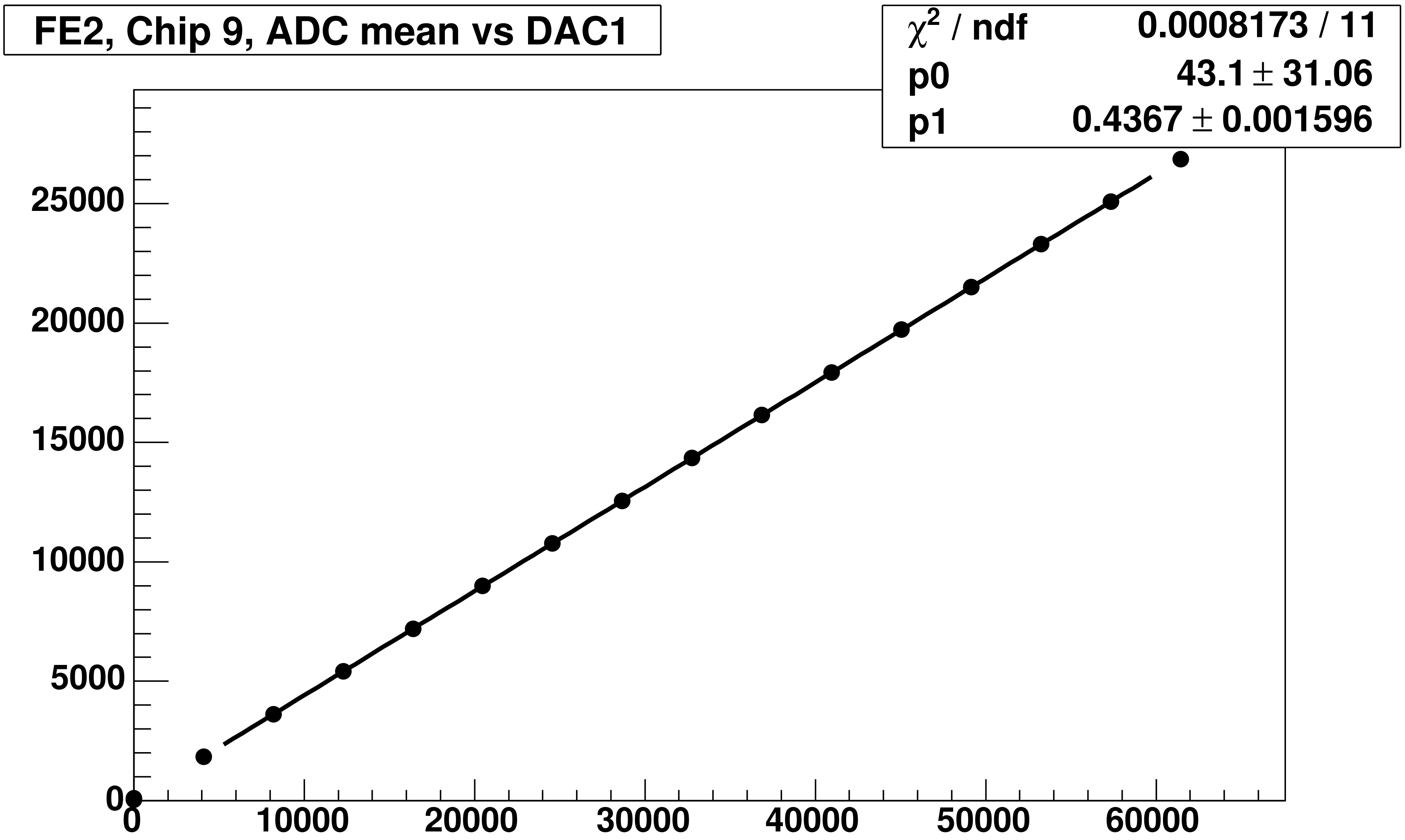

FE2, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

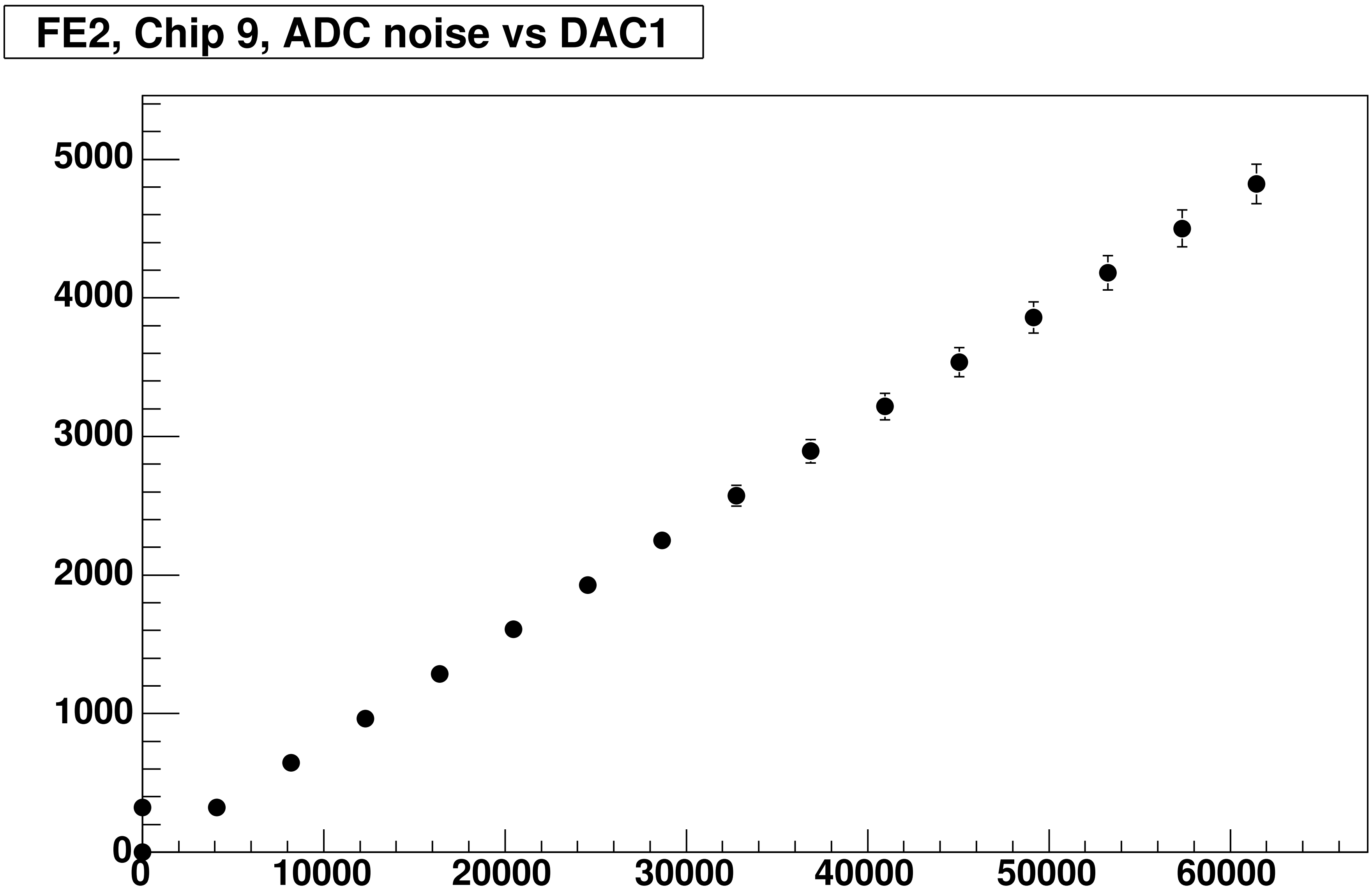

FE2, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

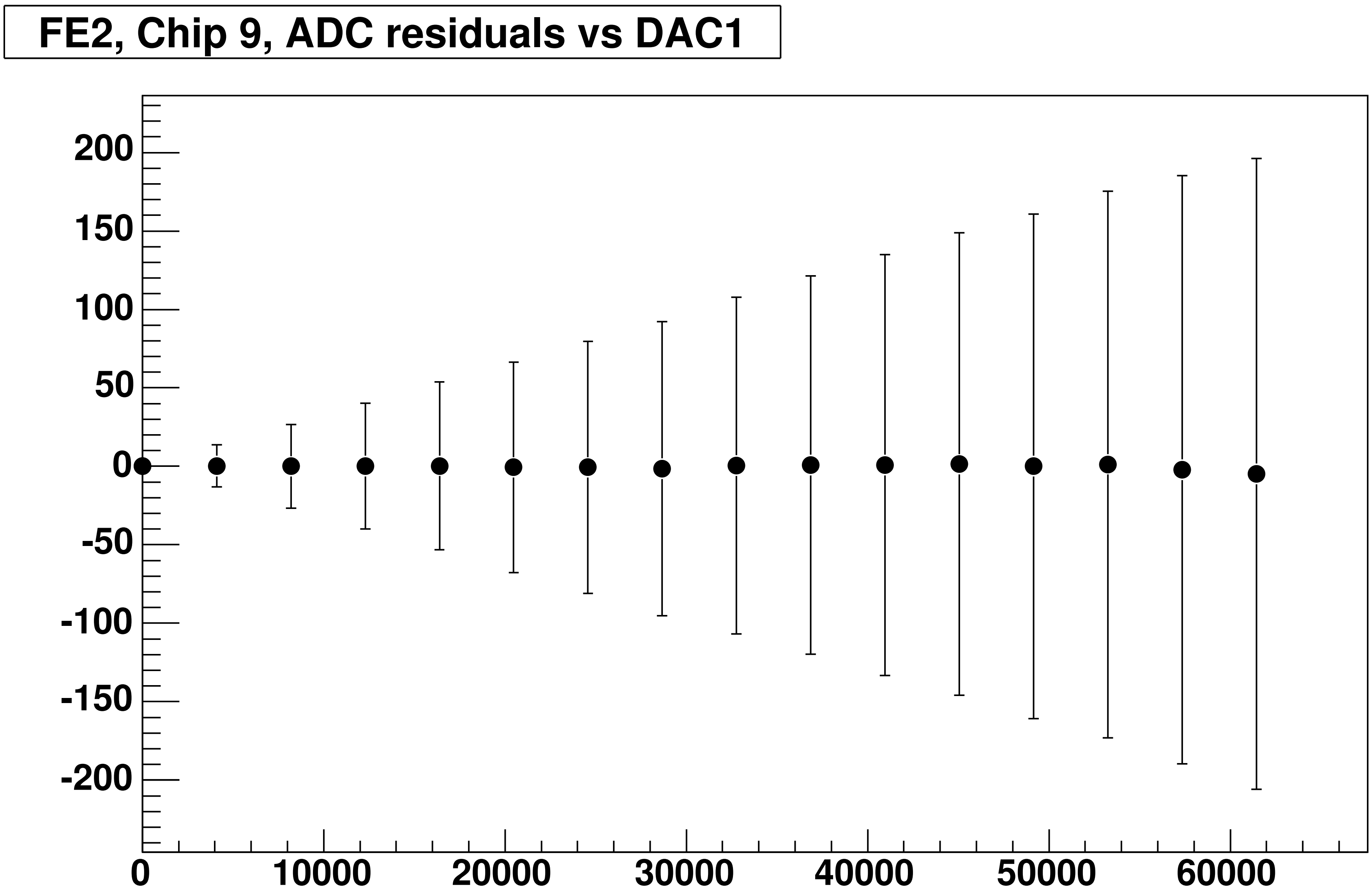

FE2, Chip 9, ADC mean vs DAC0
$\chi^2$ / ndf 5.395e-06 / 11
p0 100.9 ± 41.92
p1 0.01409 ± 0.00189
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

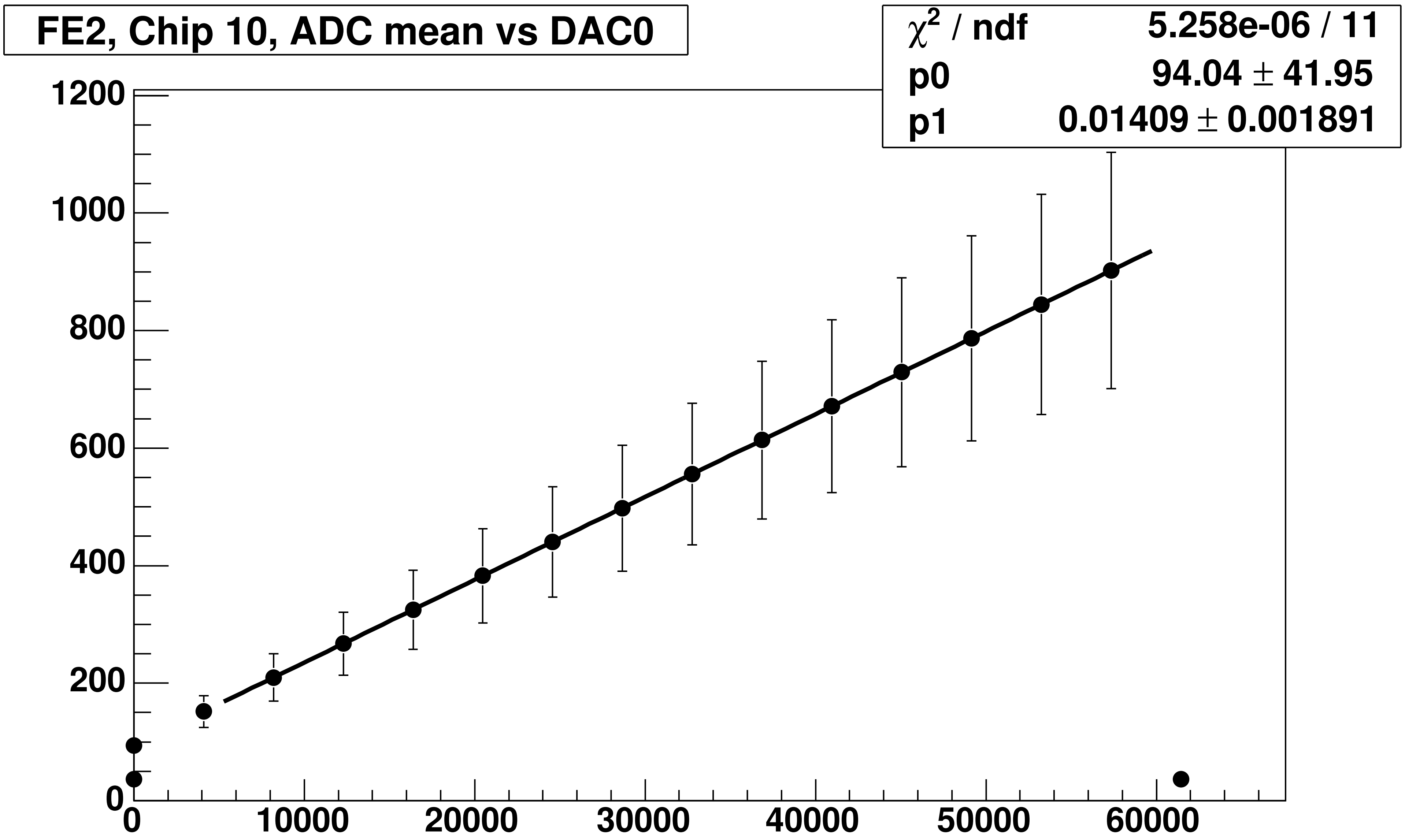

FE2, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

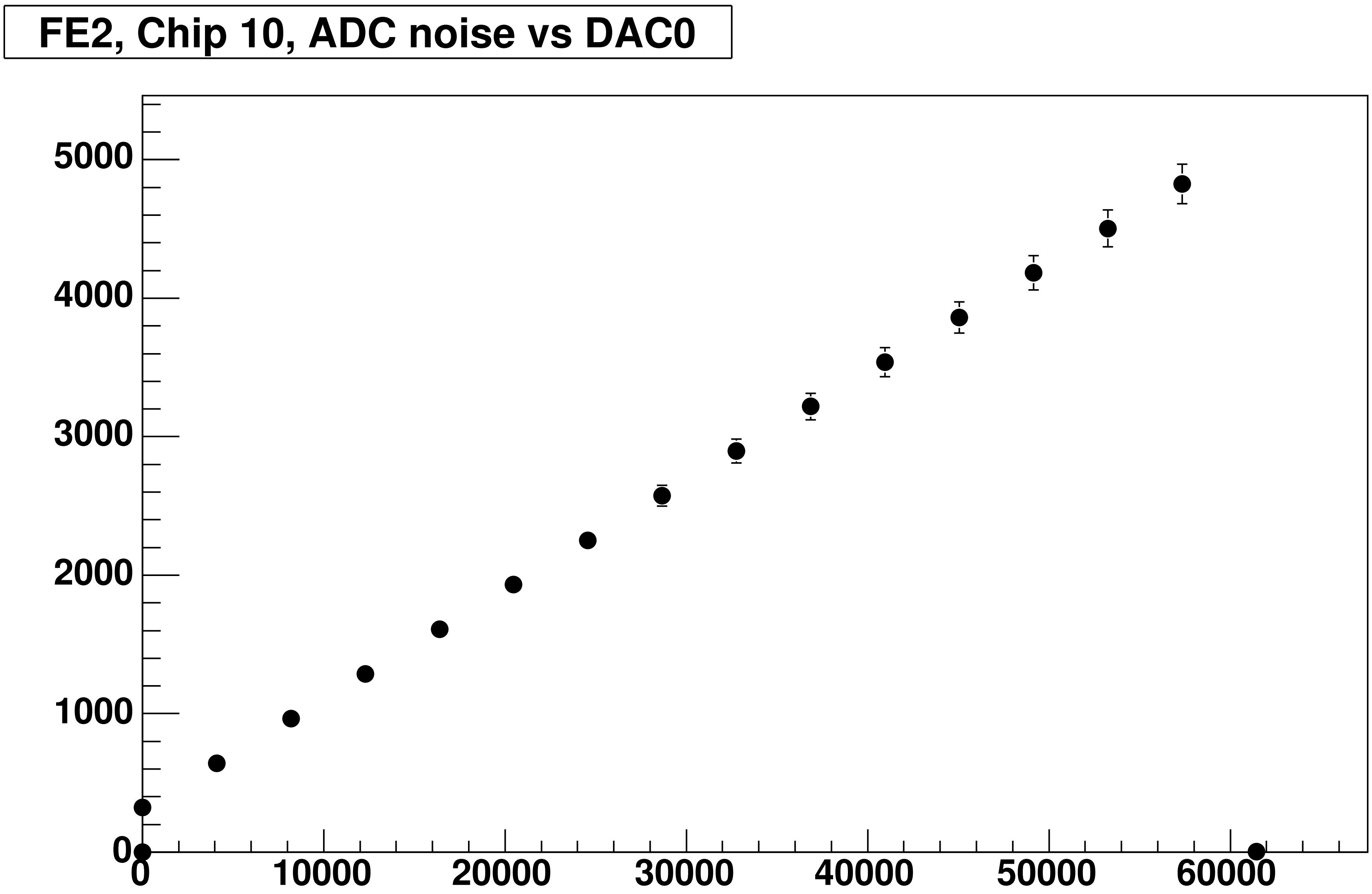

FE2, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

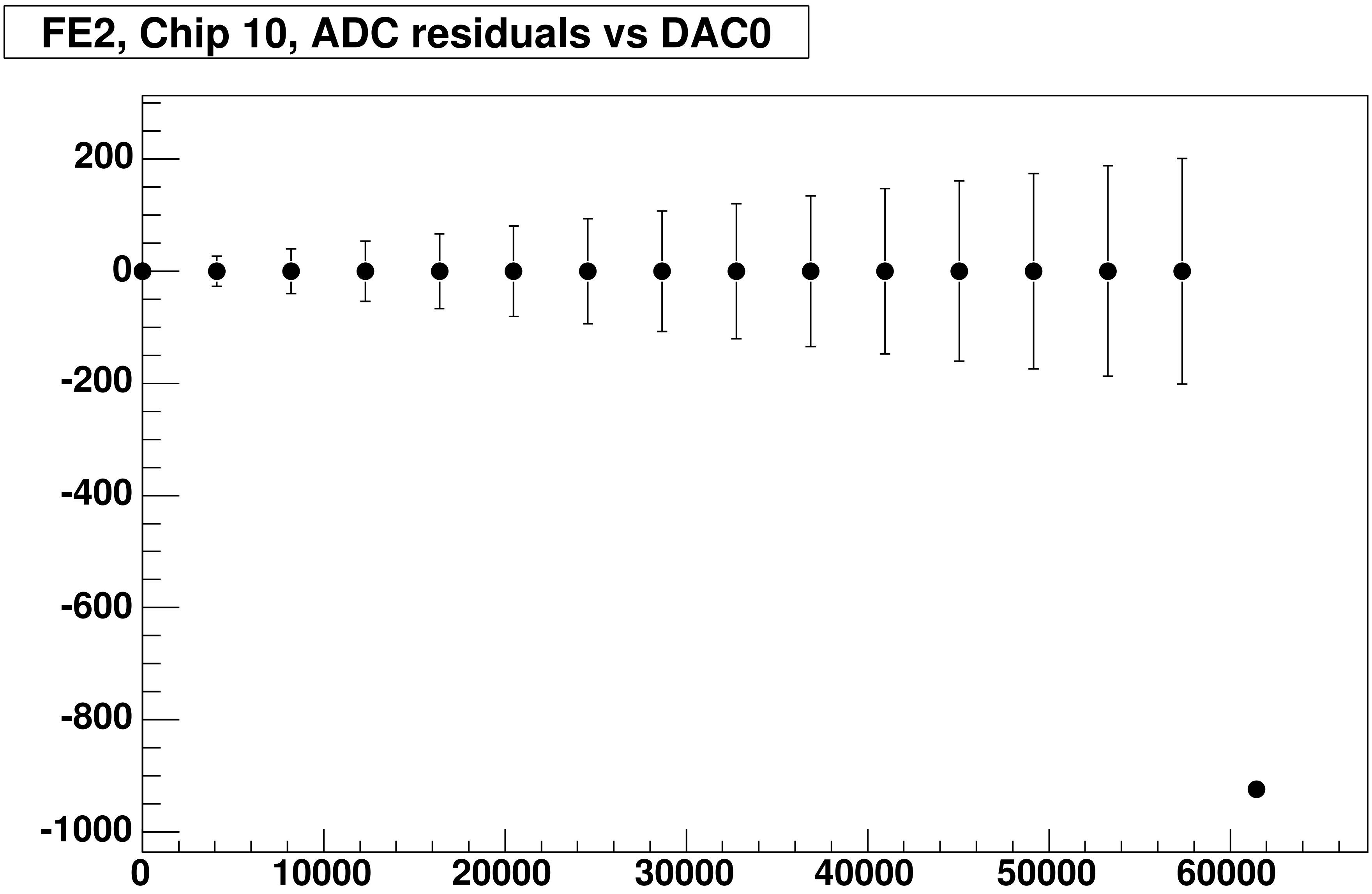

FE2, Chip 9, ADC mean vs DAC1
$\chi^2$ / ndf 0.0008173 / 11
p0 43.1 ± 31.06
p1 0.4367 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

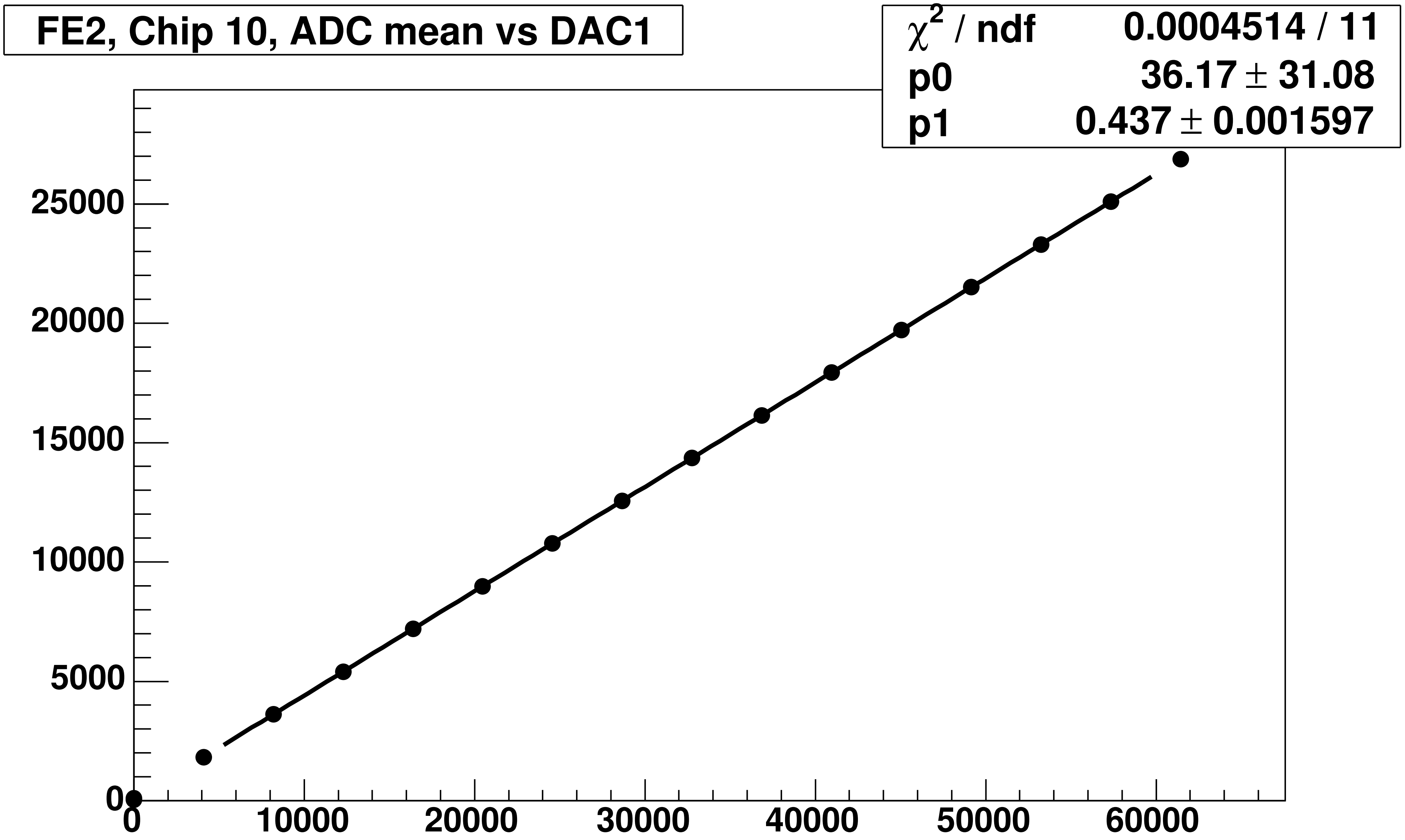

FE2, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

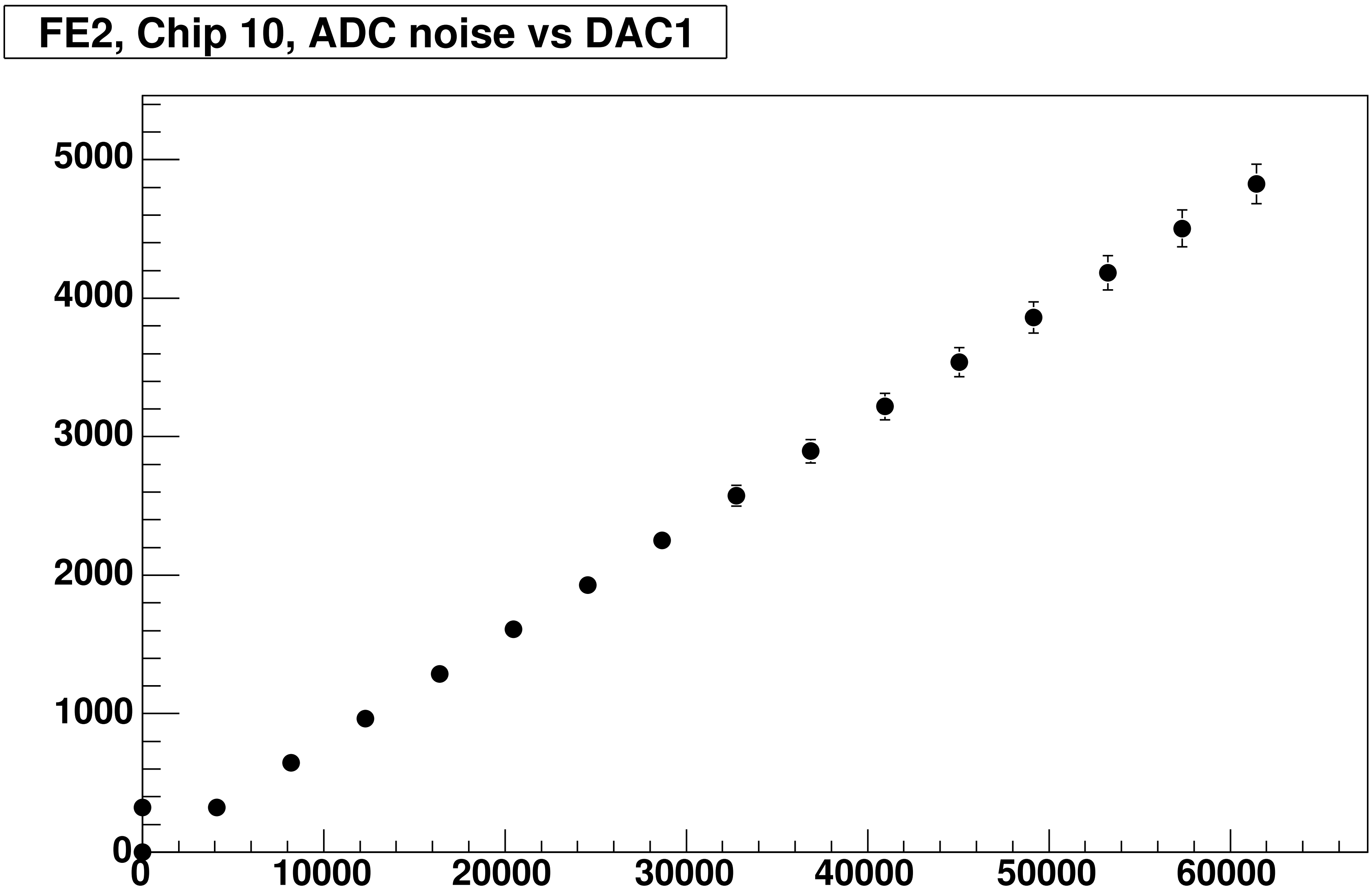

FE2, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

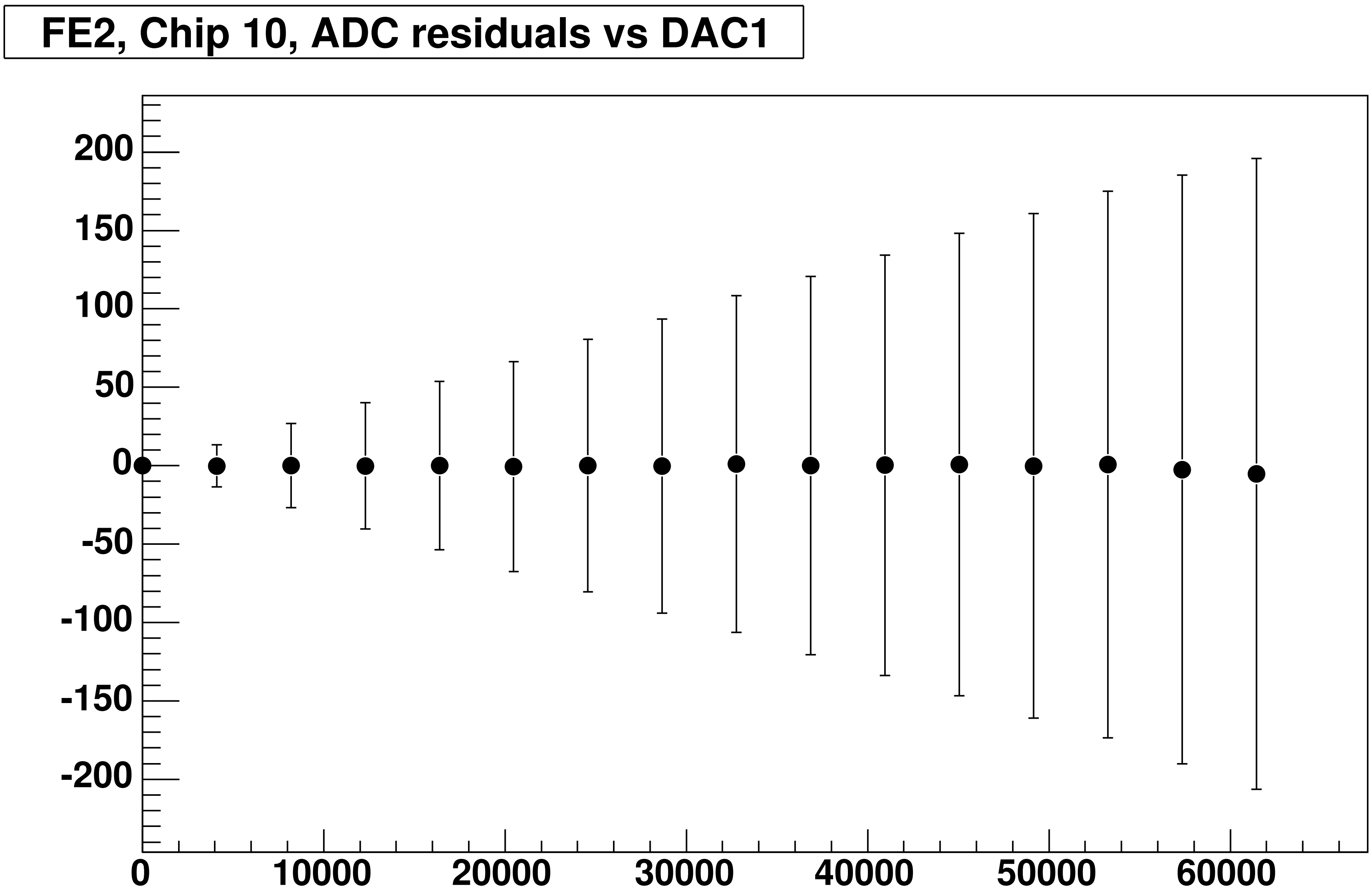

FE2, Chip 10, ADC mean vs DAC0
χ2 / ndf 5.258e-06 / 11
p0 94.04 ± 41.95
p1 0.01409 ± 0.001891
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

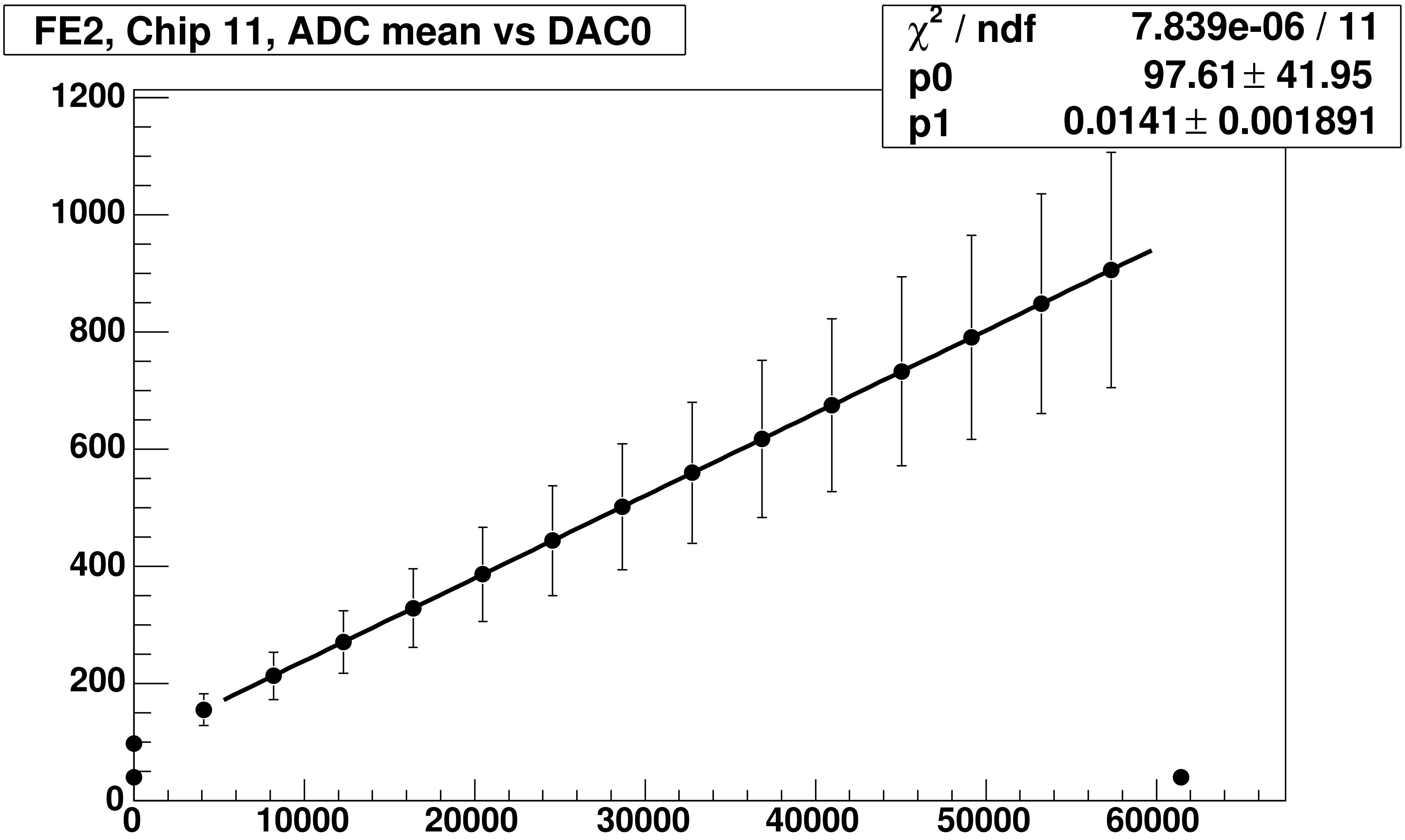

FE2, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

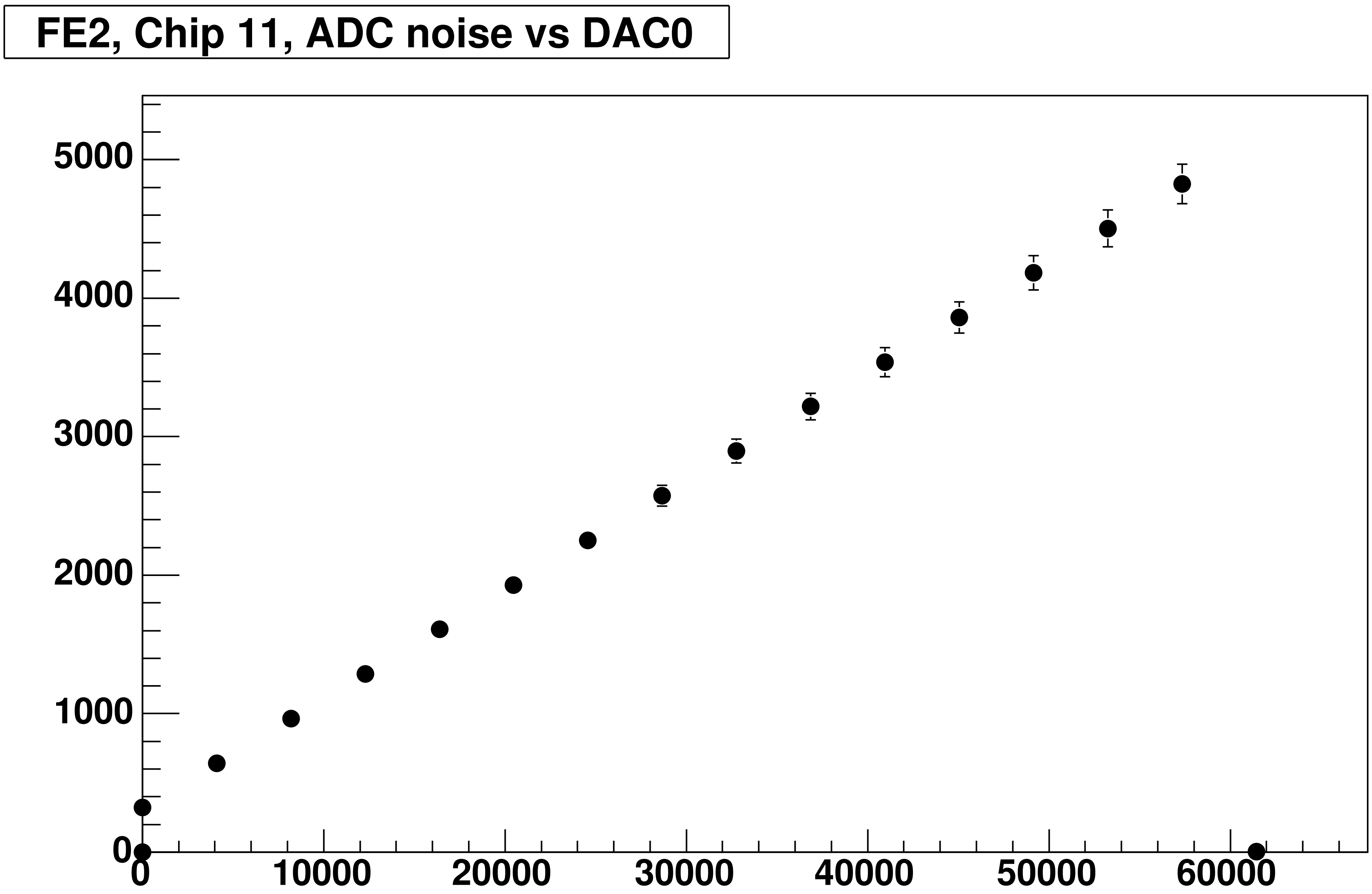

FE2, Chip 10, ADC mean vs DAC1
$\chi^2$ / ndf 0.0004514 / 11
p0 36.17 ± 31.08
p1 0.437 ± 0.001597
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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



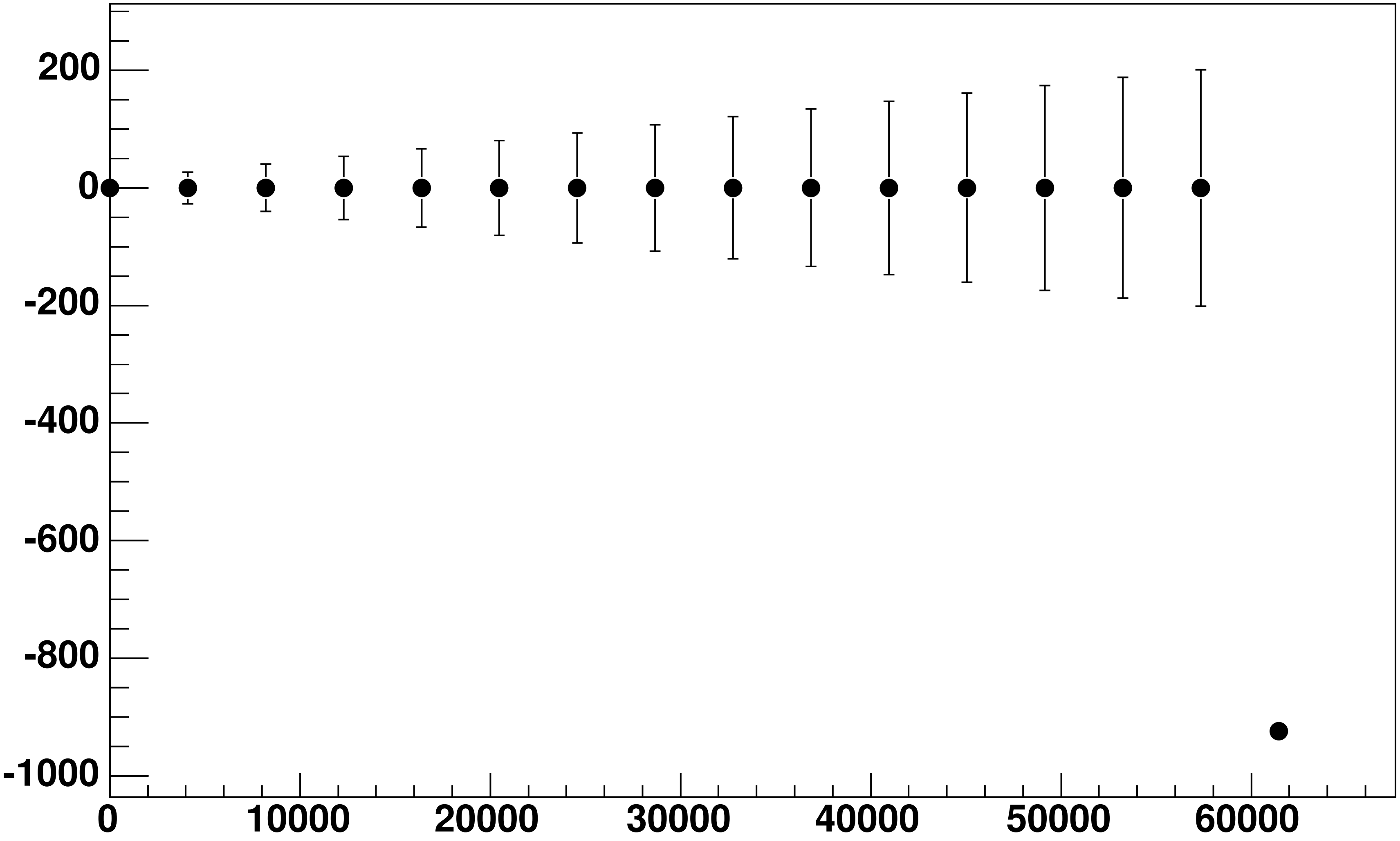
FE2, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

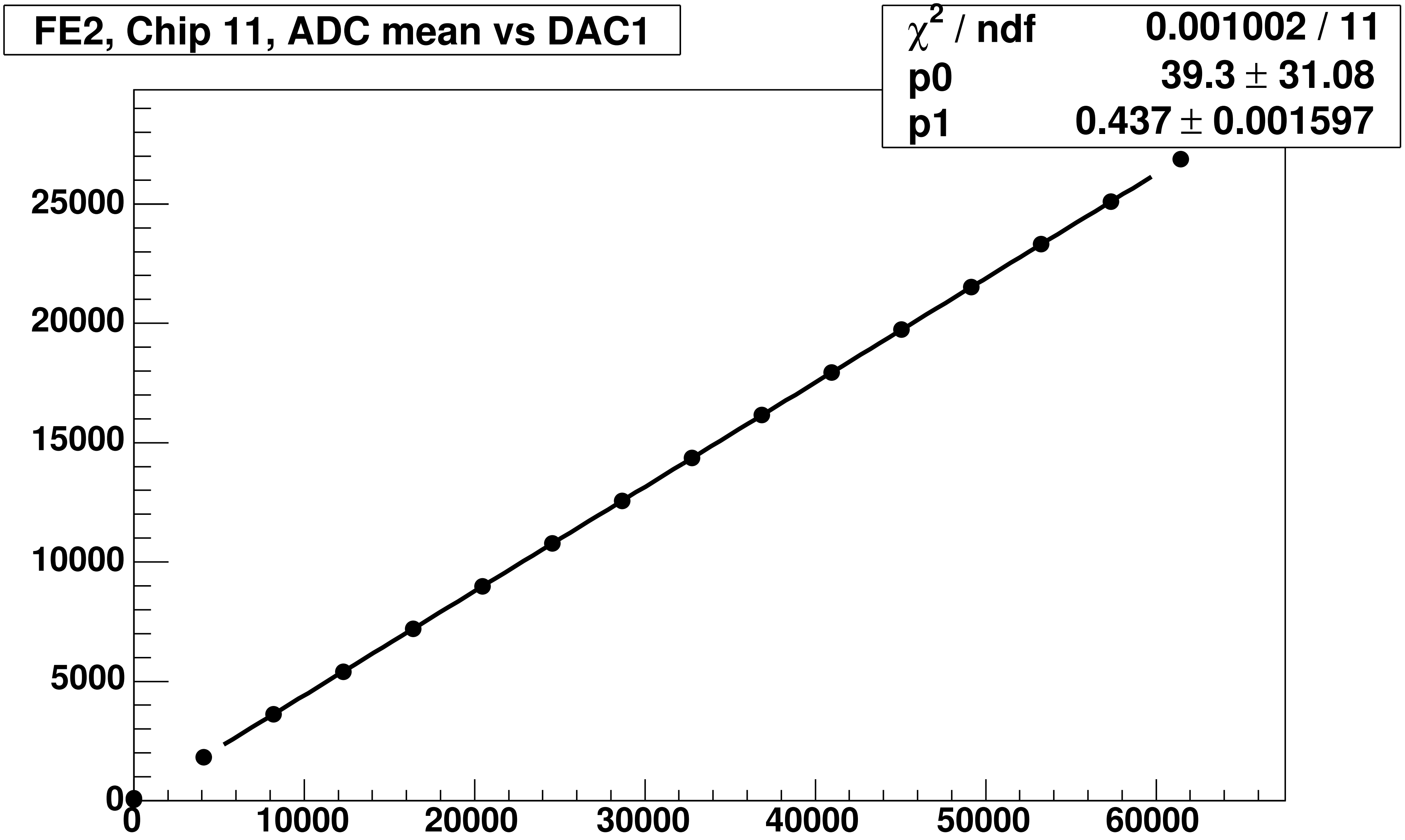

FE2, Chip 11, ADC mean vs DAC0
$\chi^2$ / ndf 7.839e-06 / 11
p0 97.61 ± 41.95
p1 0.0141 ± 0.001891
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



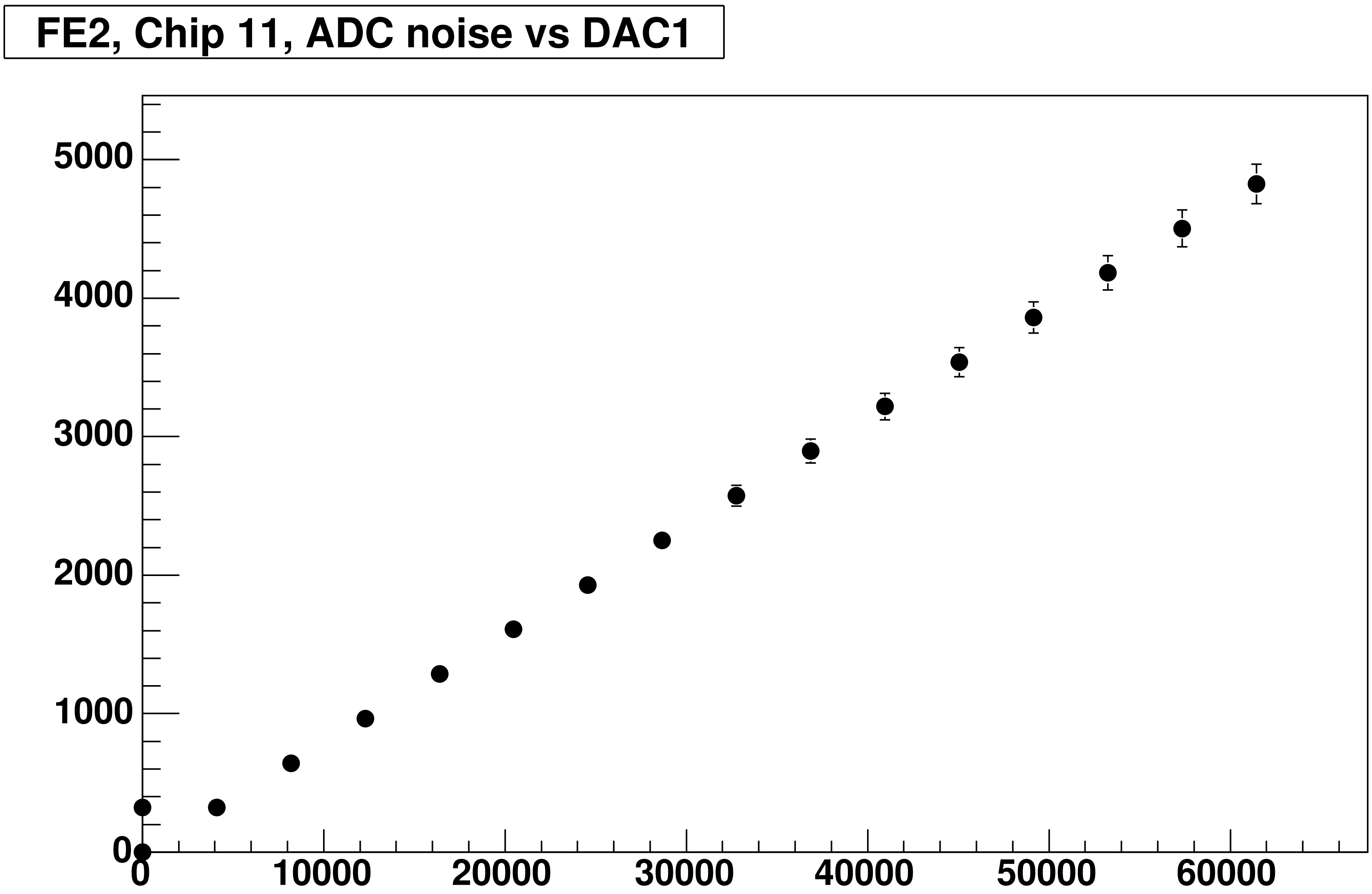
FE2, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

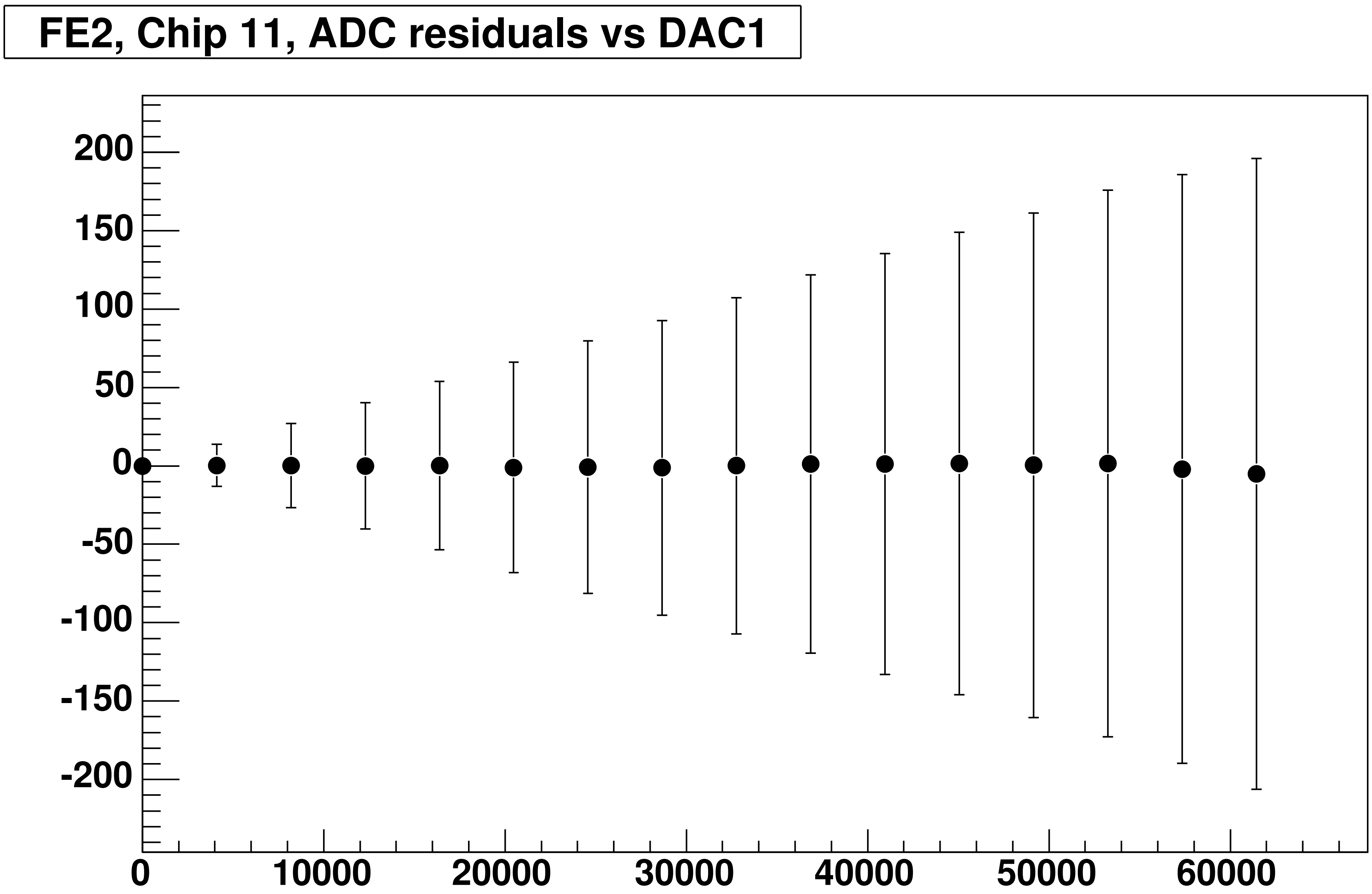
FE2, Chip 11, ADC residuals vs DAC0

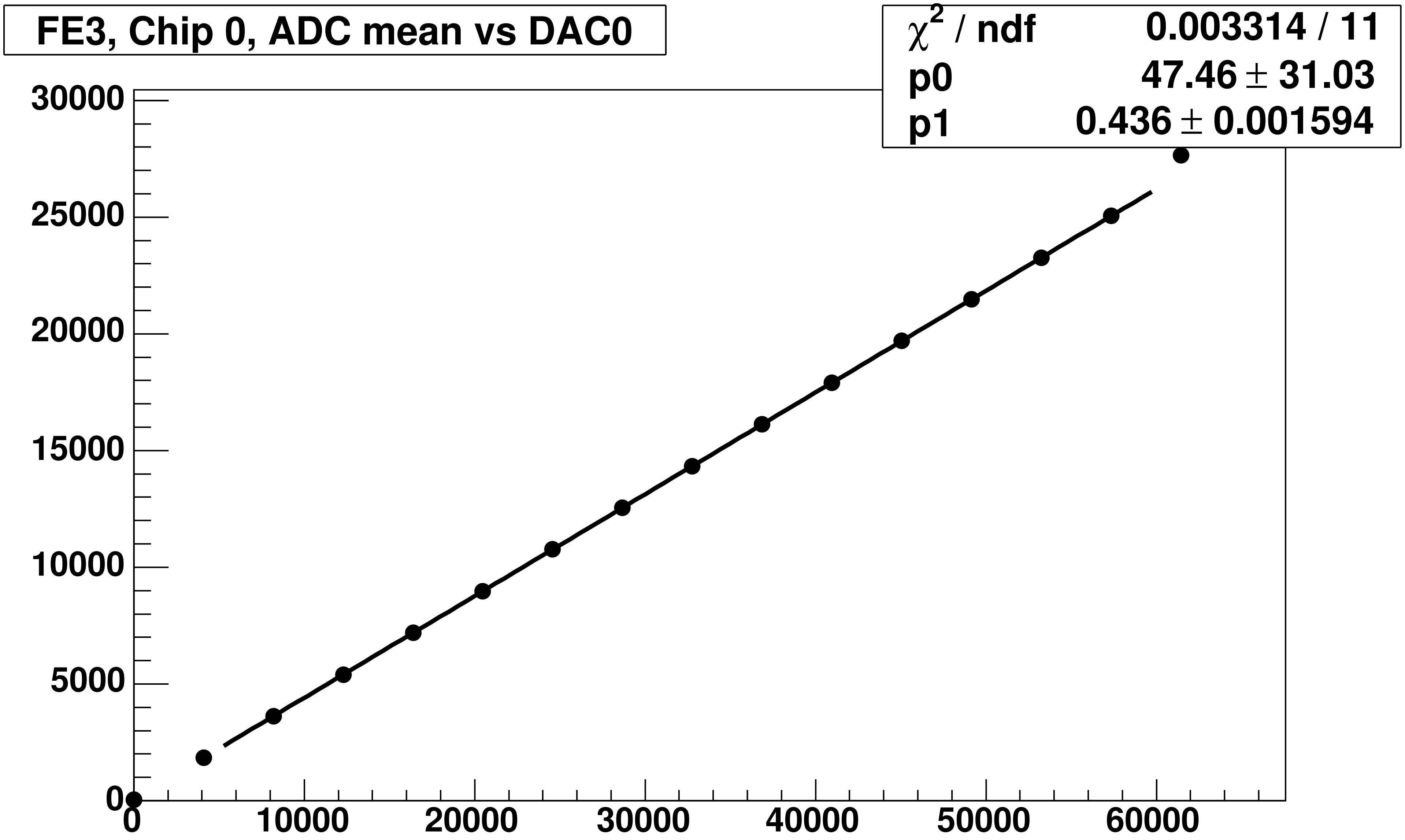




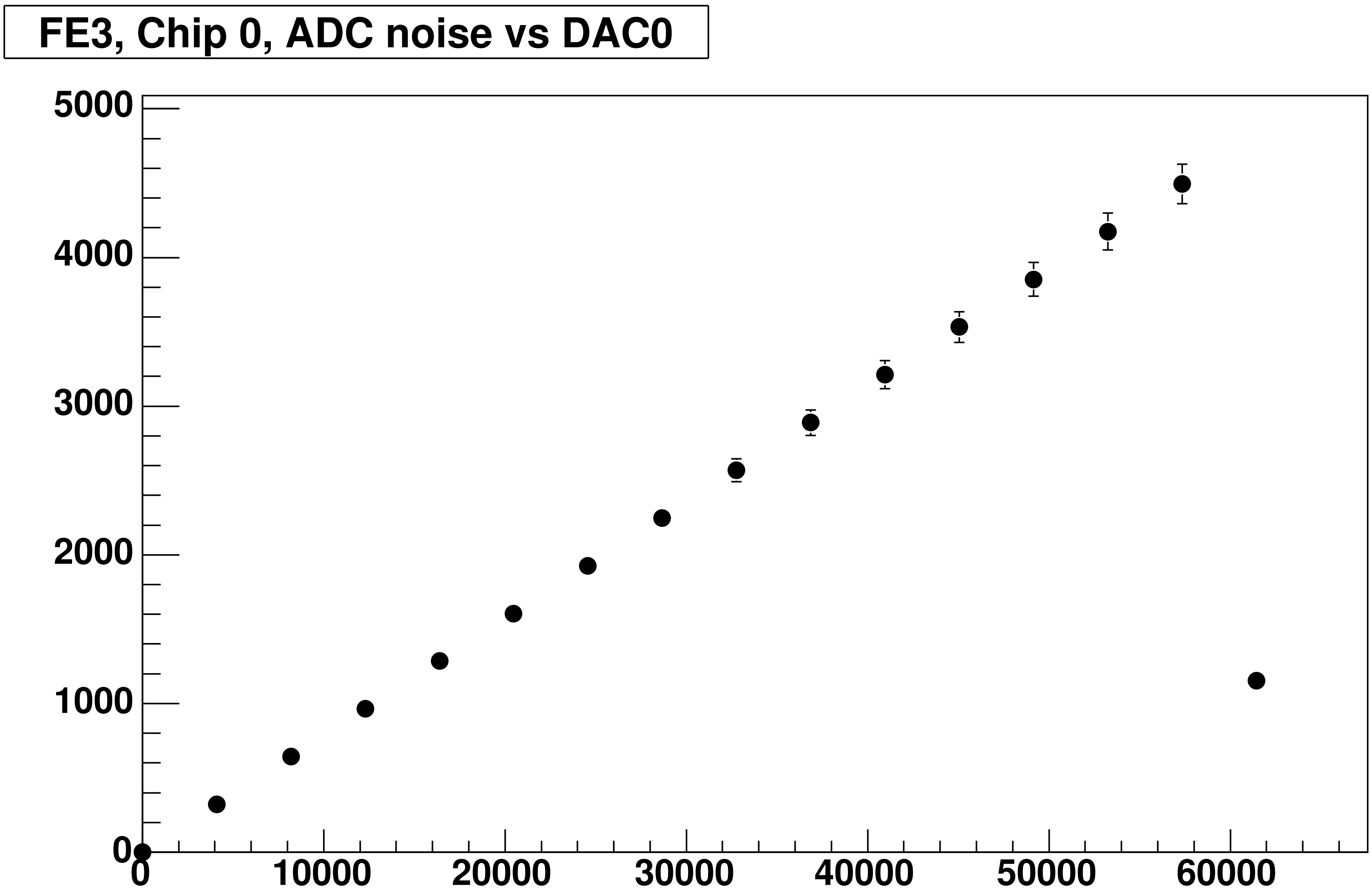
FE2, Chip 11, ADC mean vs DAC1
$\chi^2$ / ndf 0.001002 / 11
p0 39.3 ± 31.08
p1 0.437 ± 0.001597
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

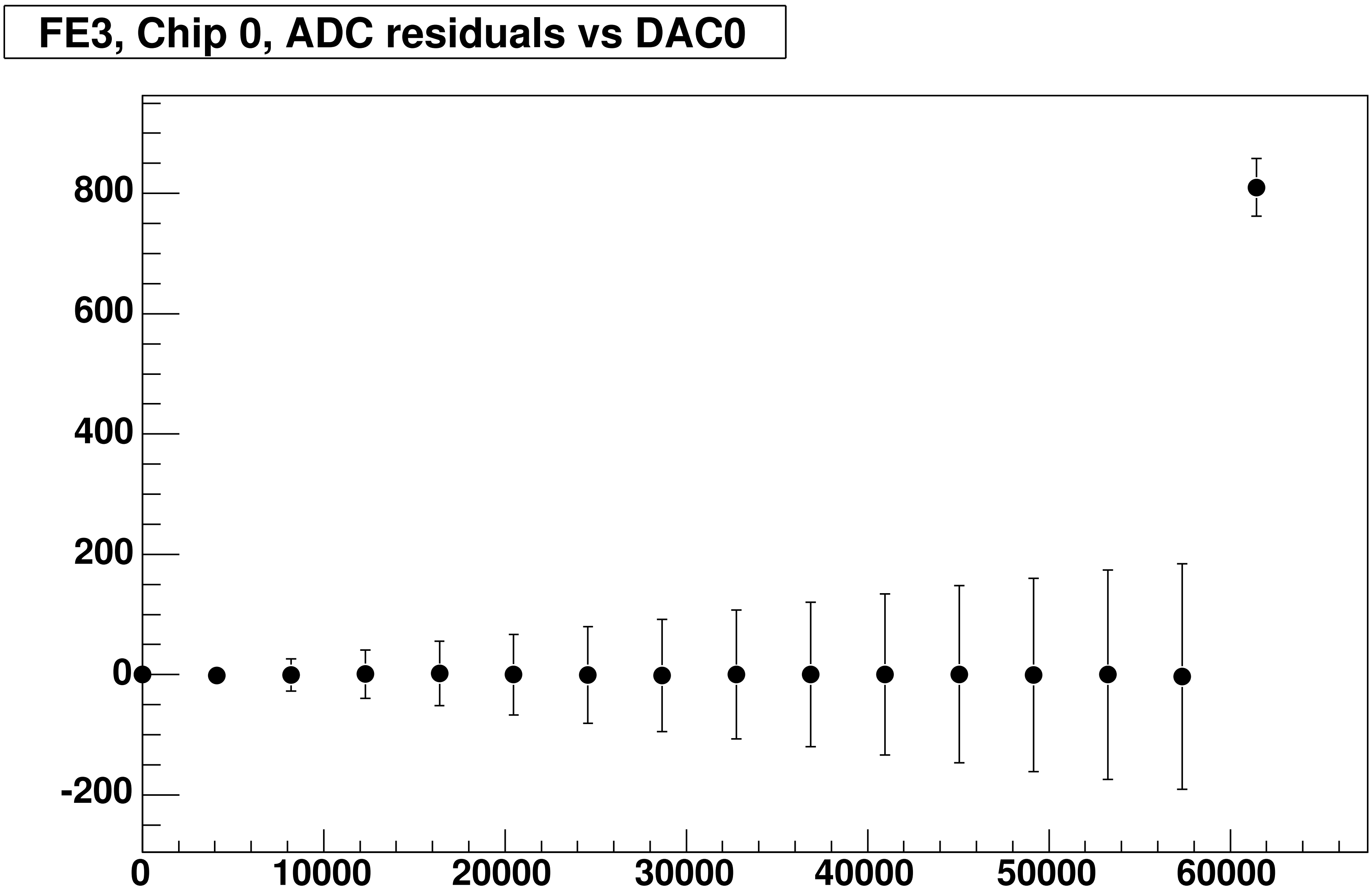

FE2, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

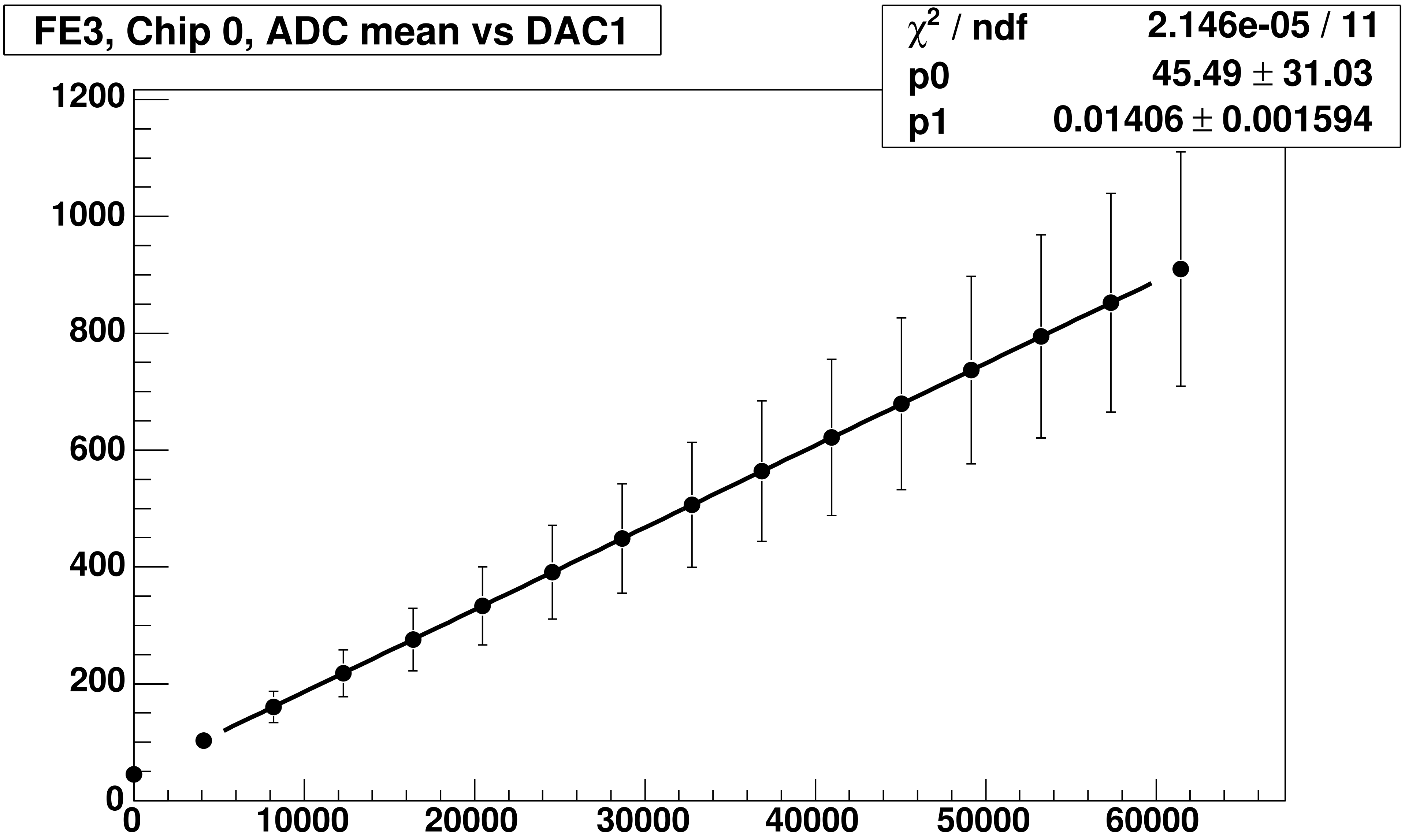

FE2, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



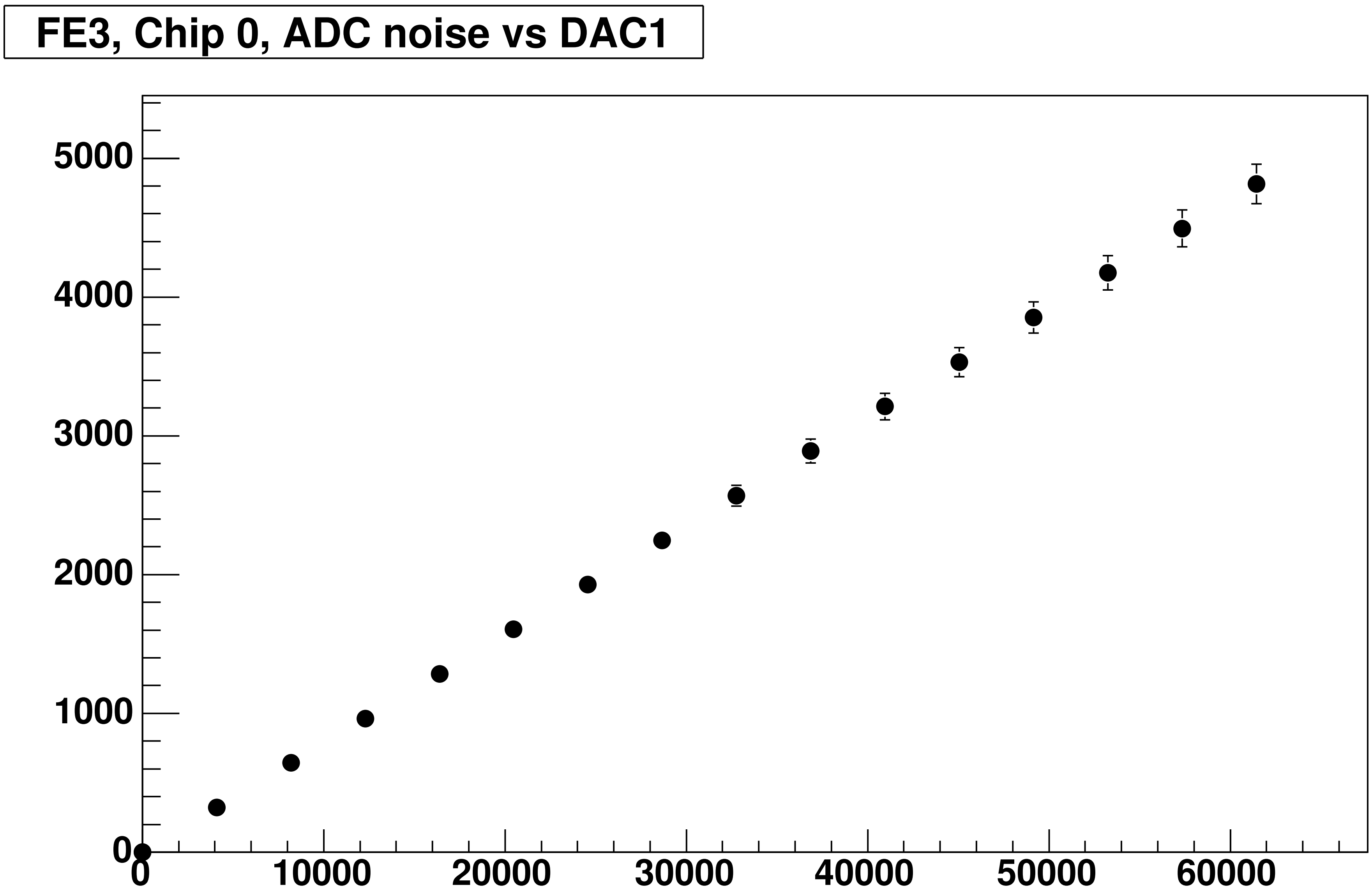
FE3, Chip 0, ADC mean vs DAC0
$\chi^2$ / ndf 0.003314 / 11
p0 47.46 ± 31.03
p1 0.436 ± 0.001594
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

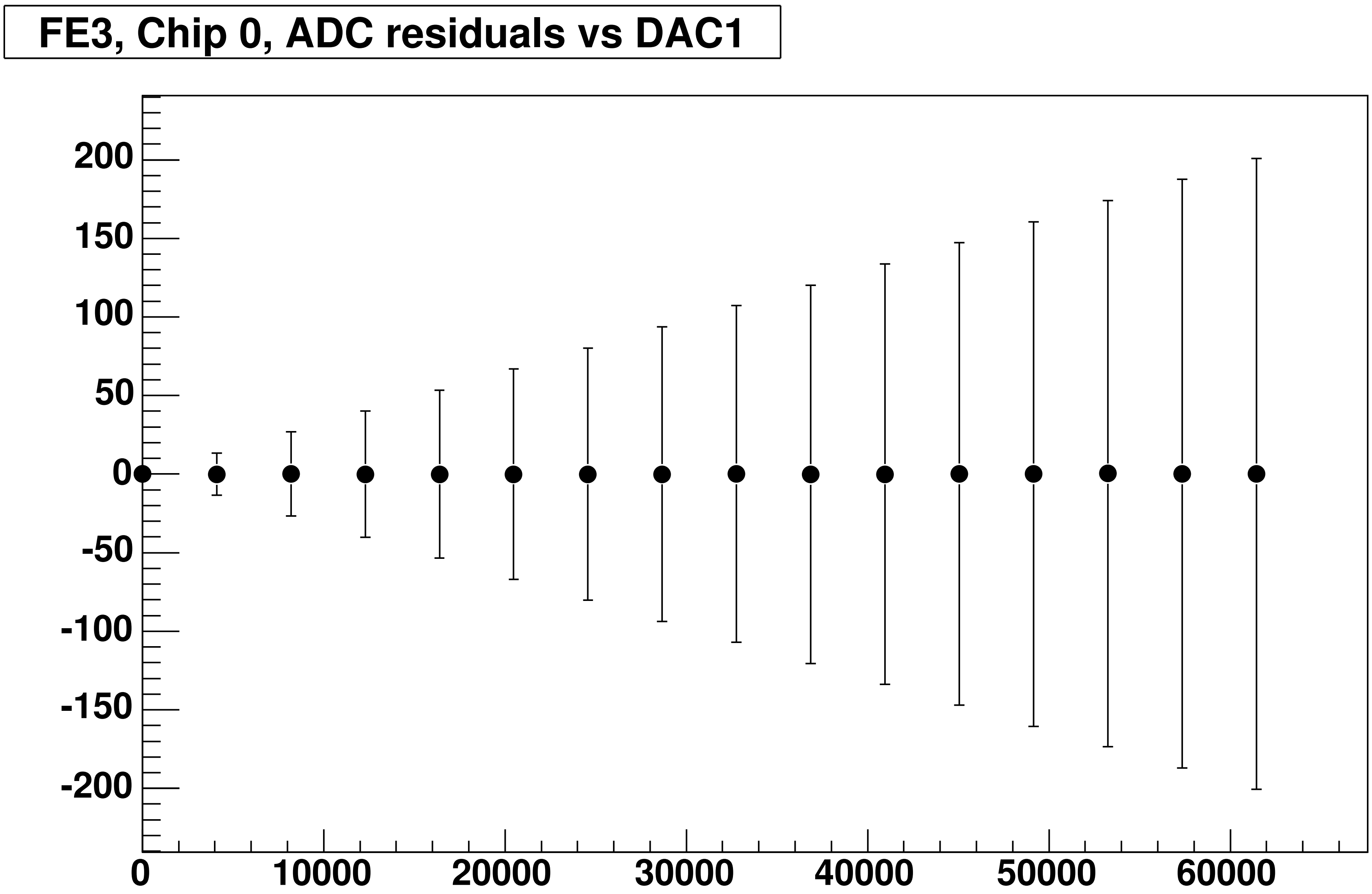

FE3, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

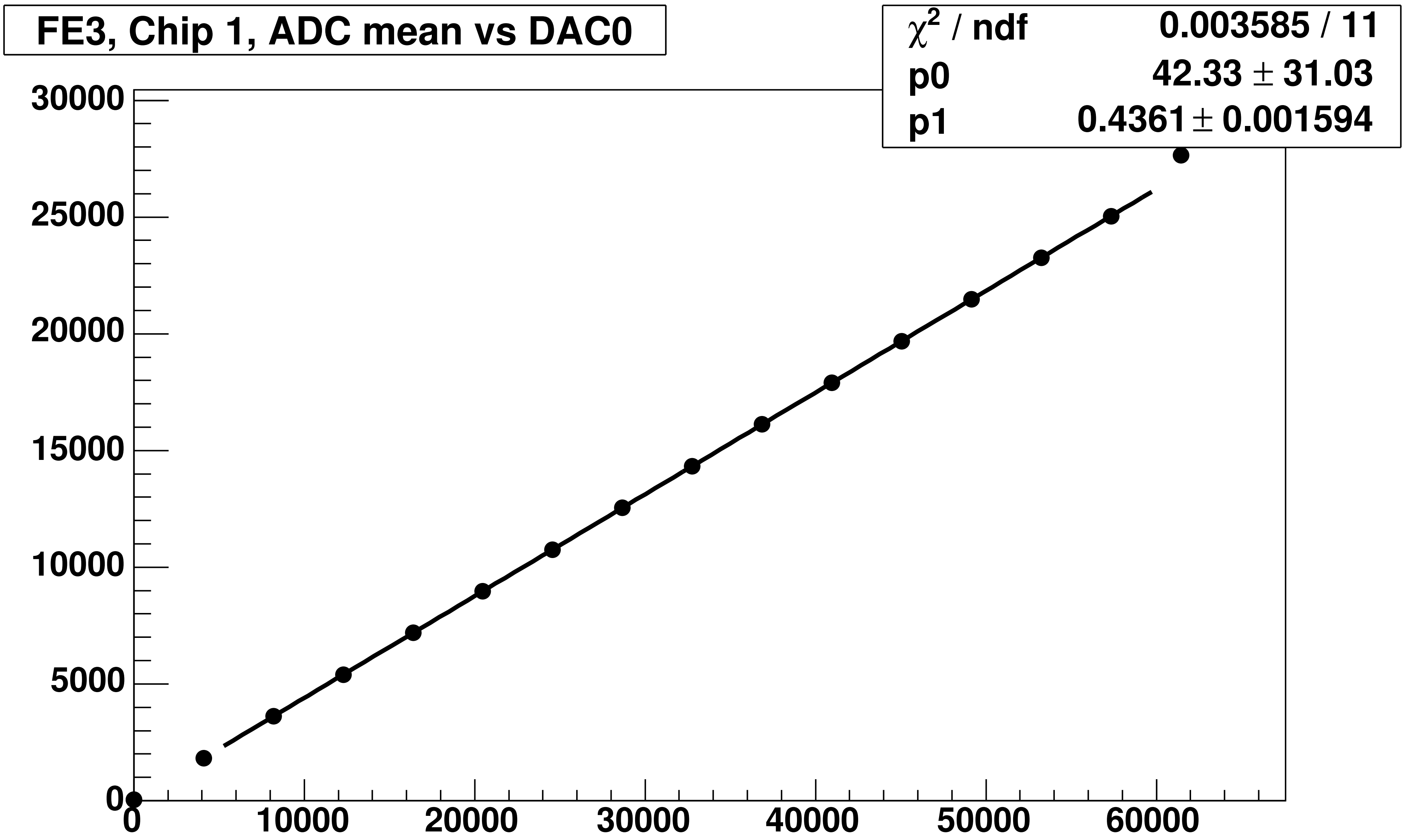

FE3, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



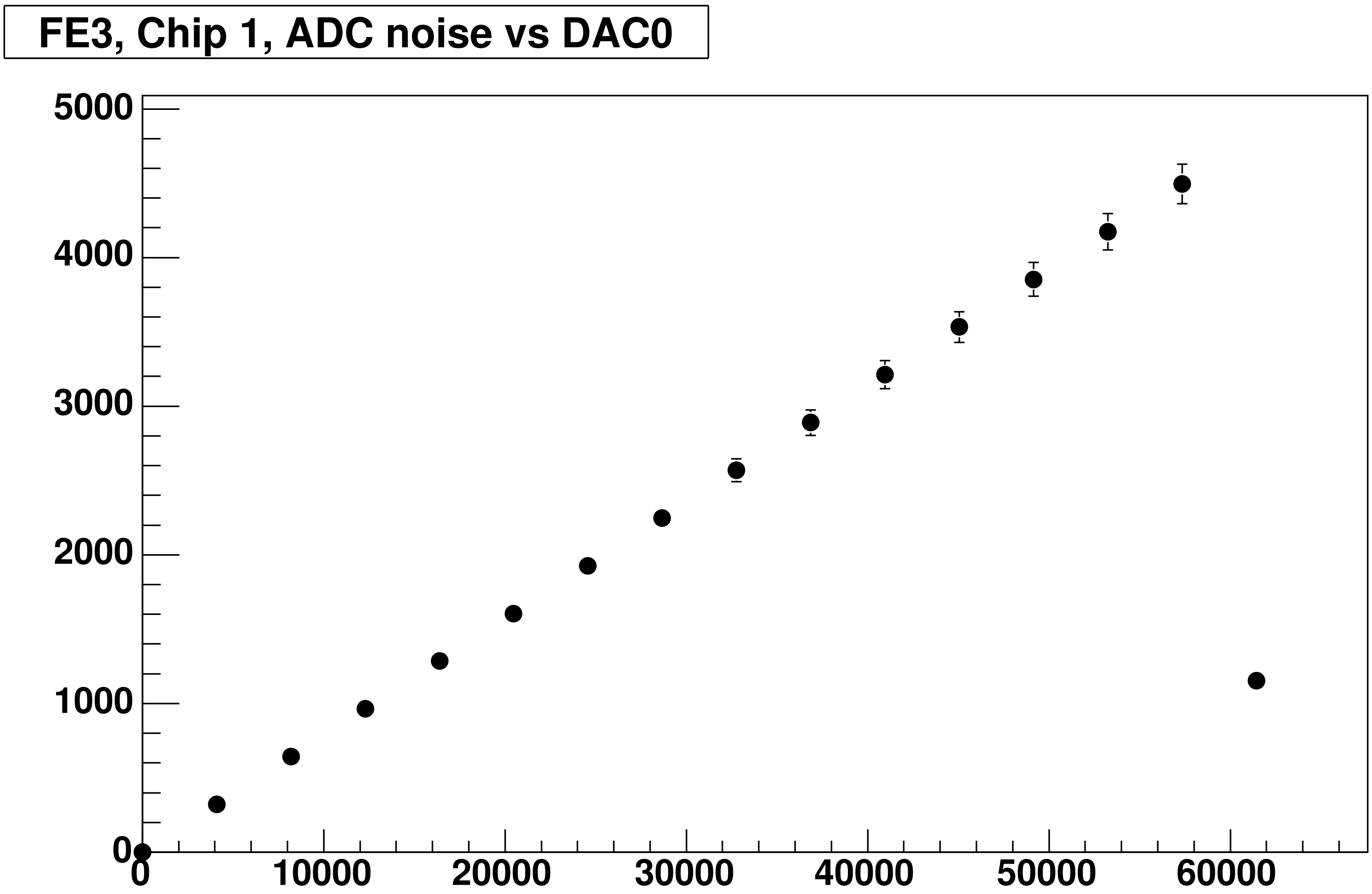
FE3, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 2.146e-05 / 11
p0 45.49 ± 31.03
p1 0.01406 ± 0.001594
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

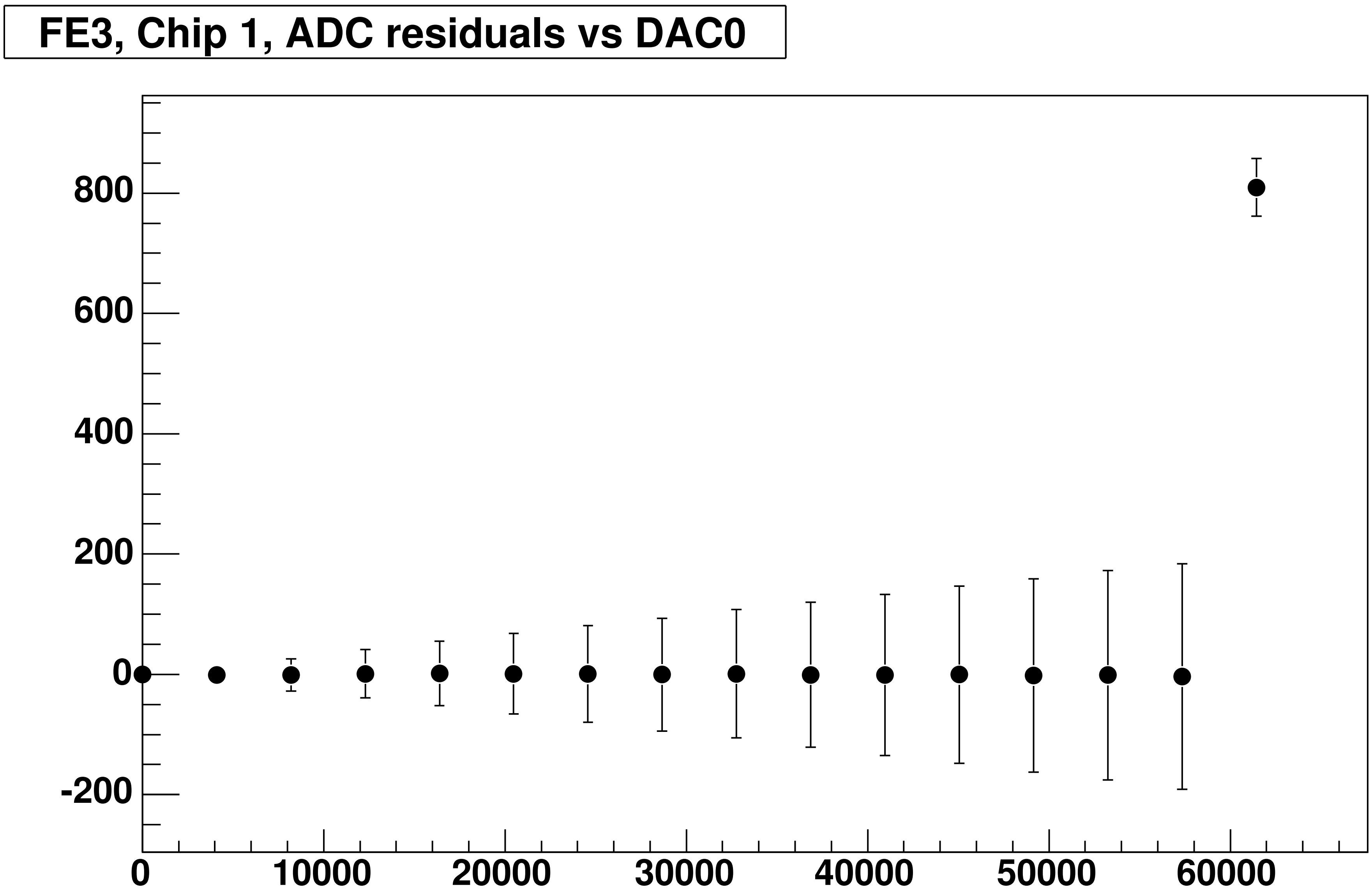

FE3, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

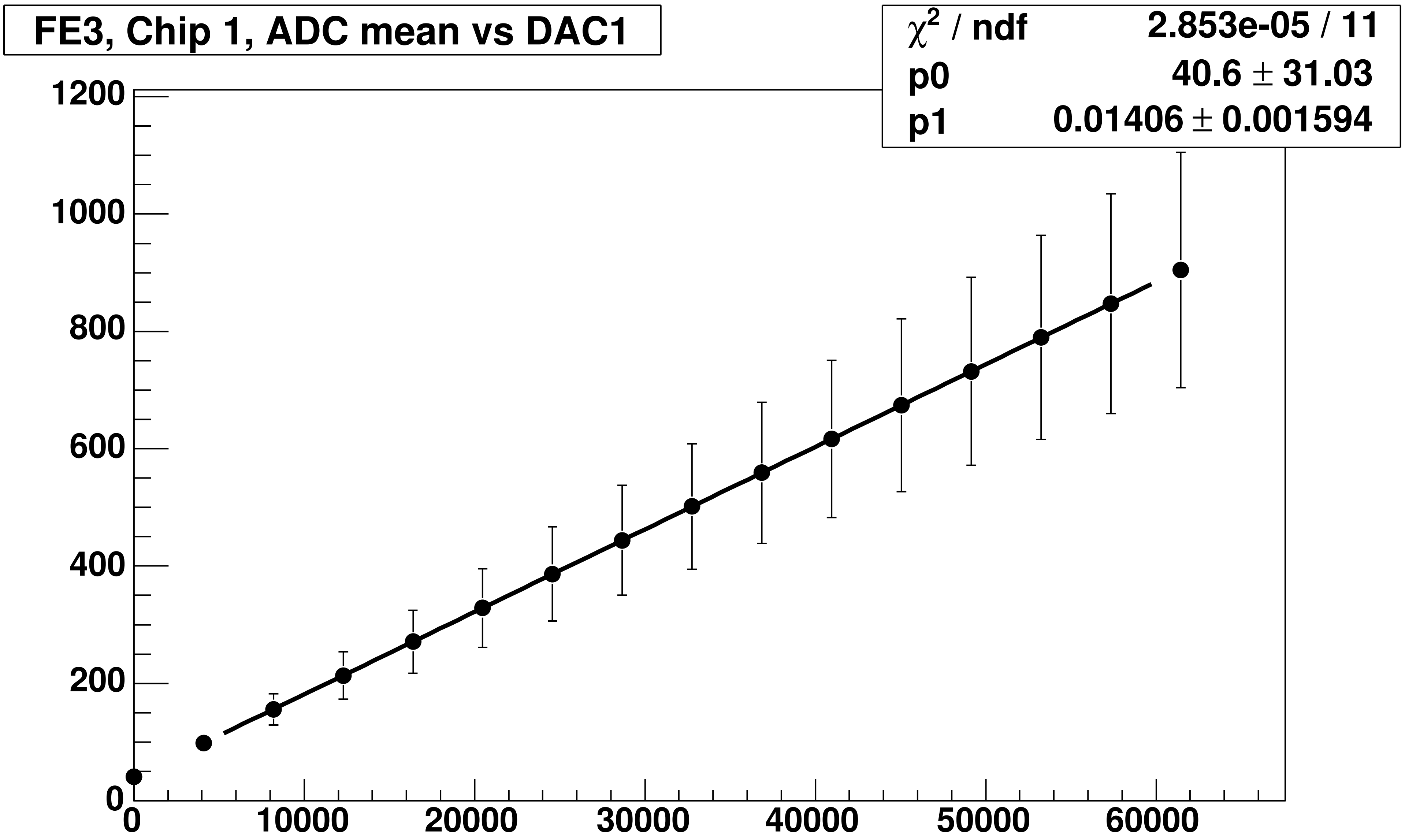

FE3, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

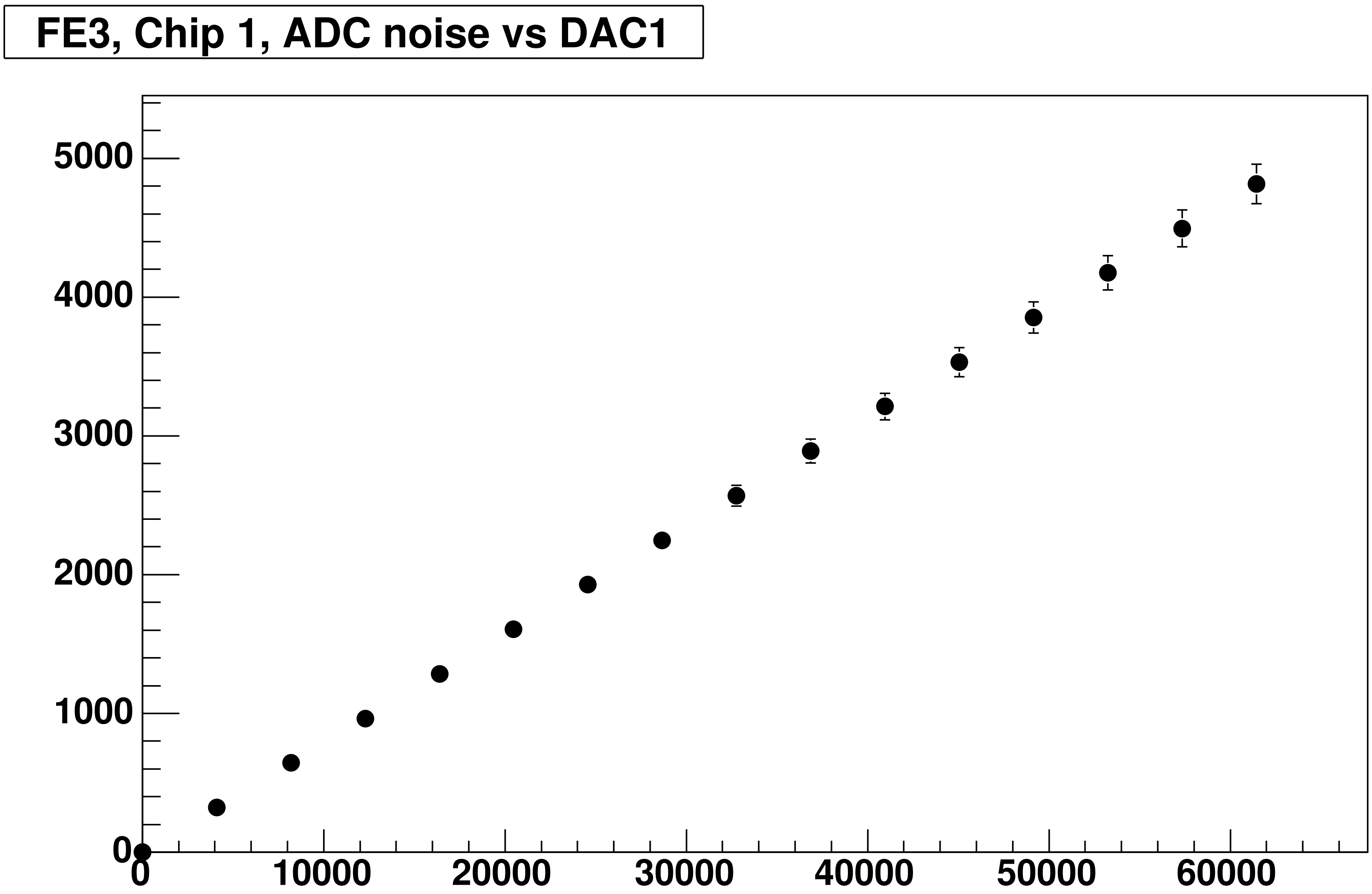


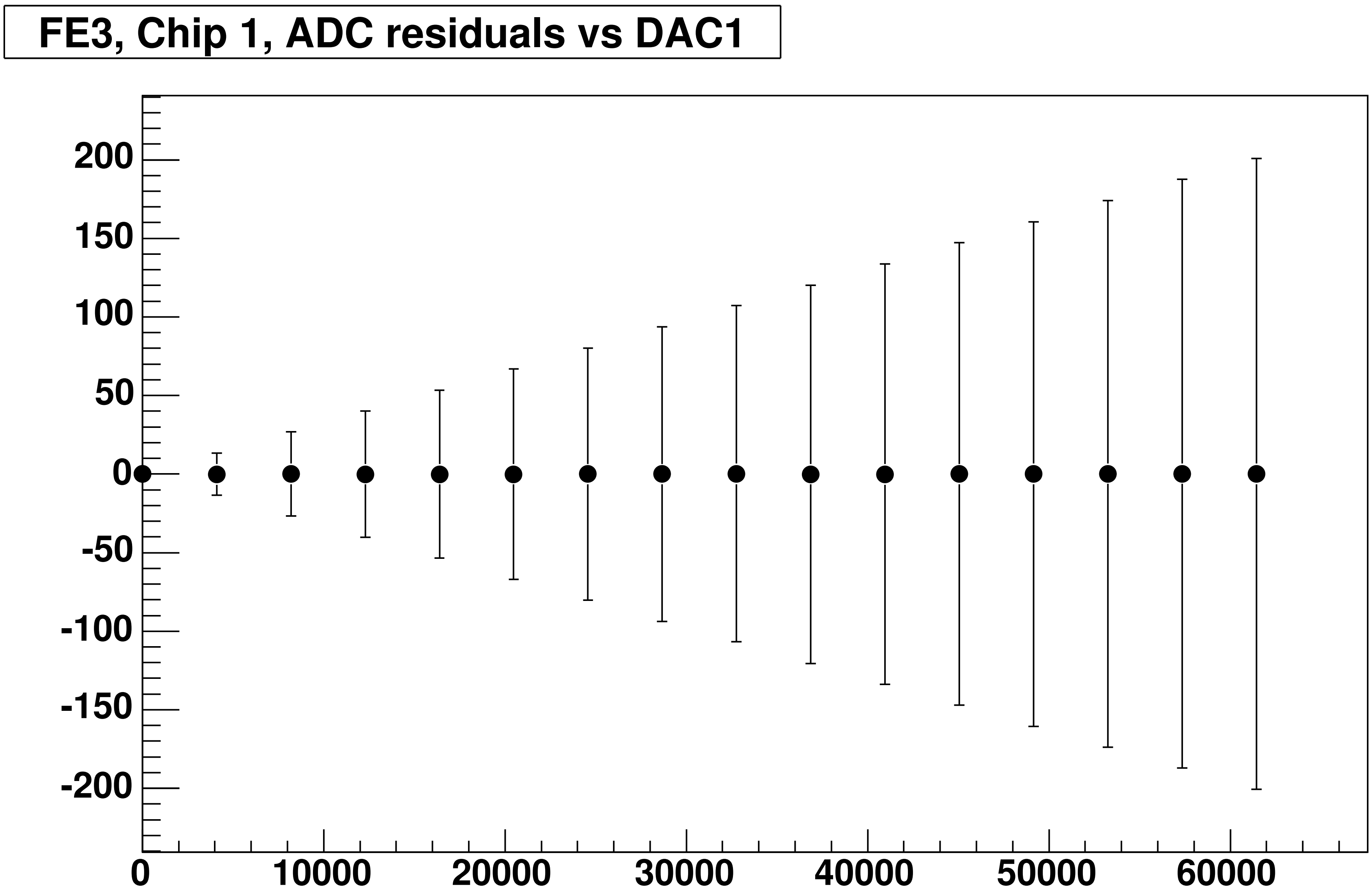
FE3, Chip 1, ADC mean vs DAC0
$\chi^2$ / ndf 0.003585 / 11
p0 42.33 ± 31.03
p1 0.4361 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

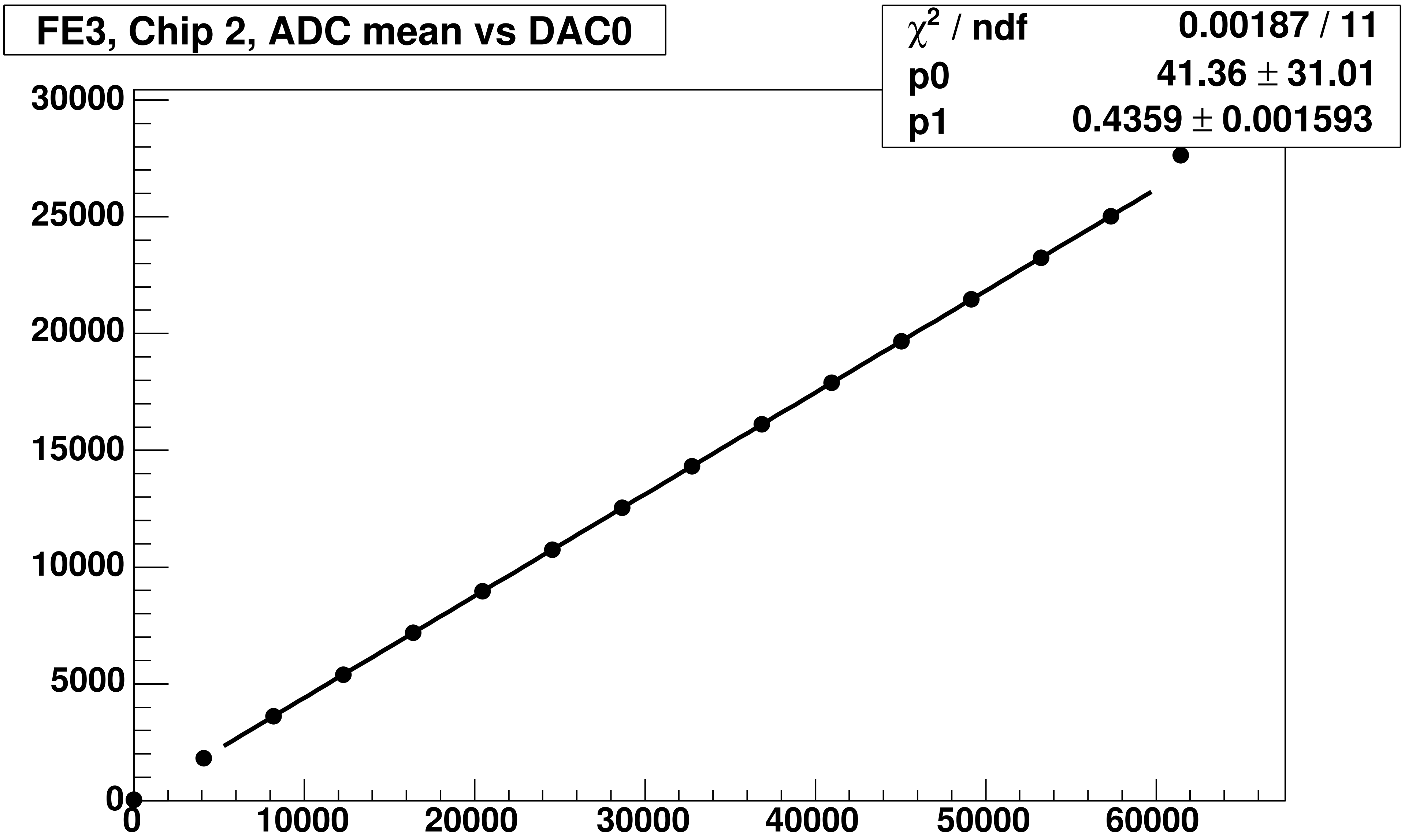

FE3, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

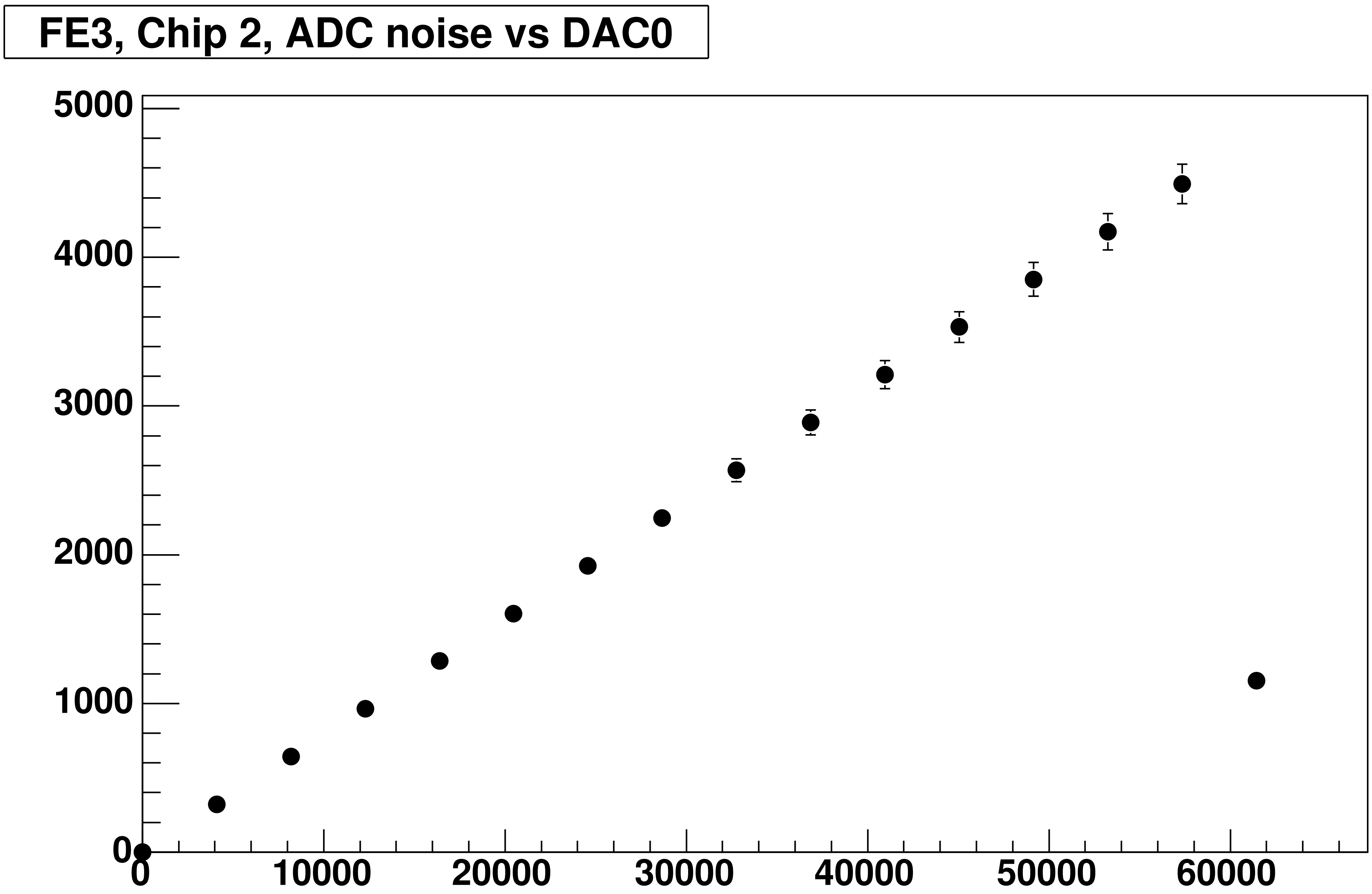

FE3, Chip 1, ADC mean vs DAC1
χ2 / ndf 2.853e-05 / 11
p0 40.6 ± 31.03
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

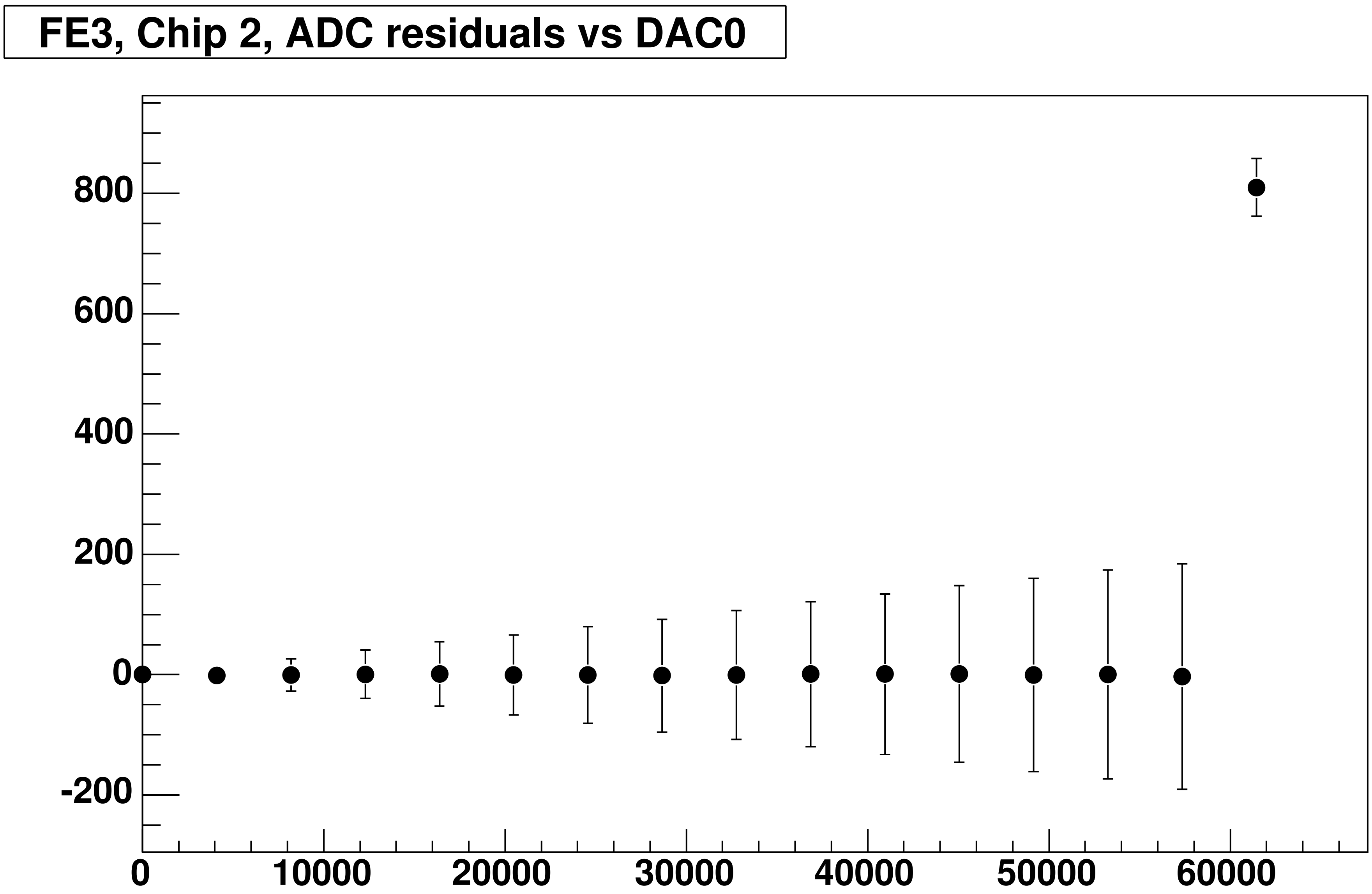

FE3, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

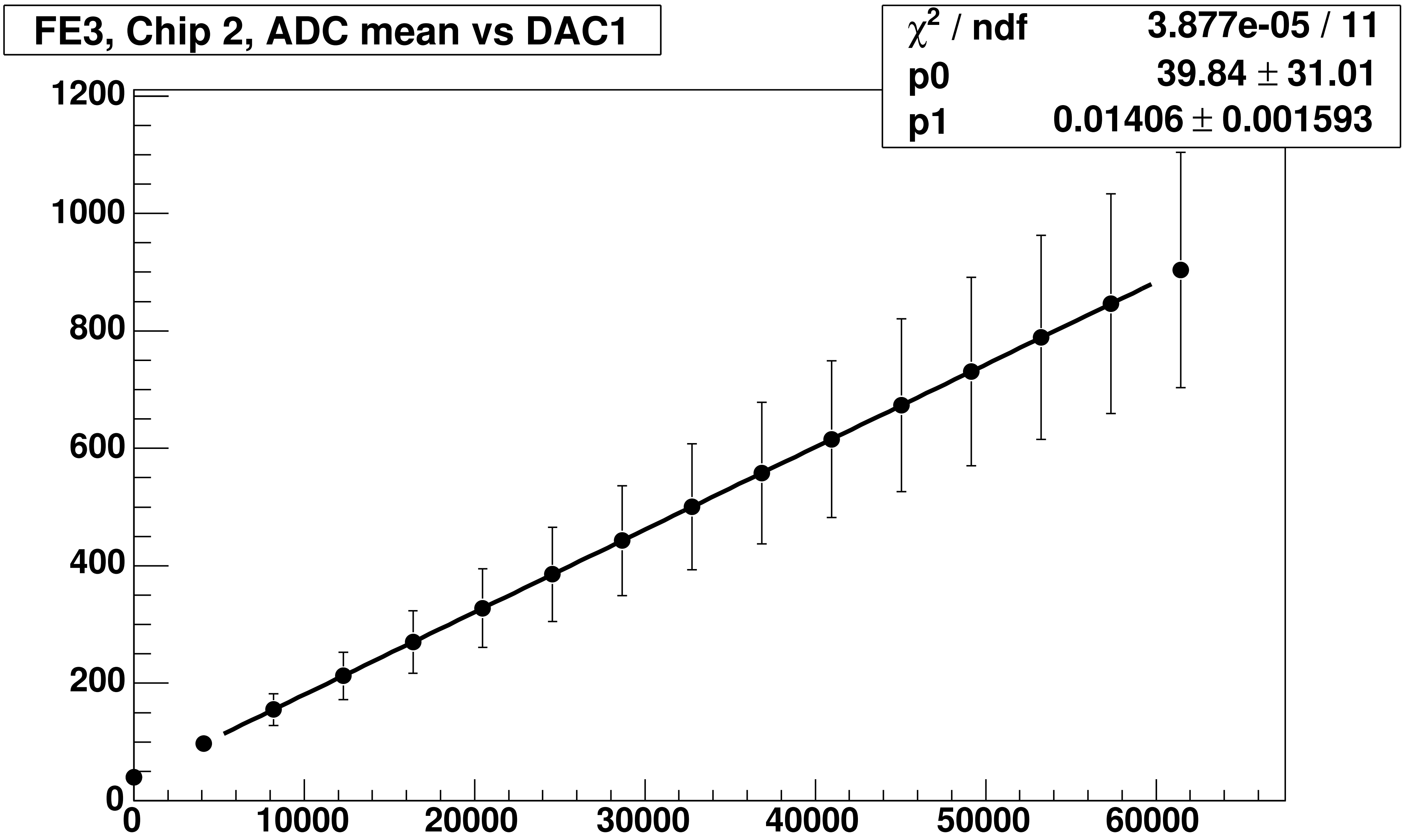

FE3, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



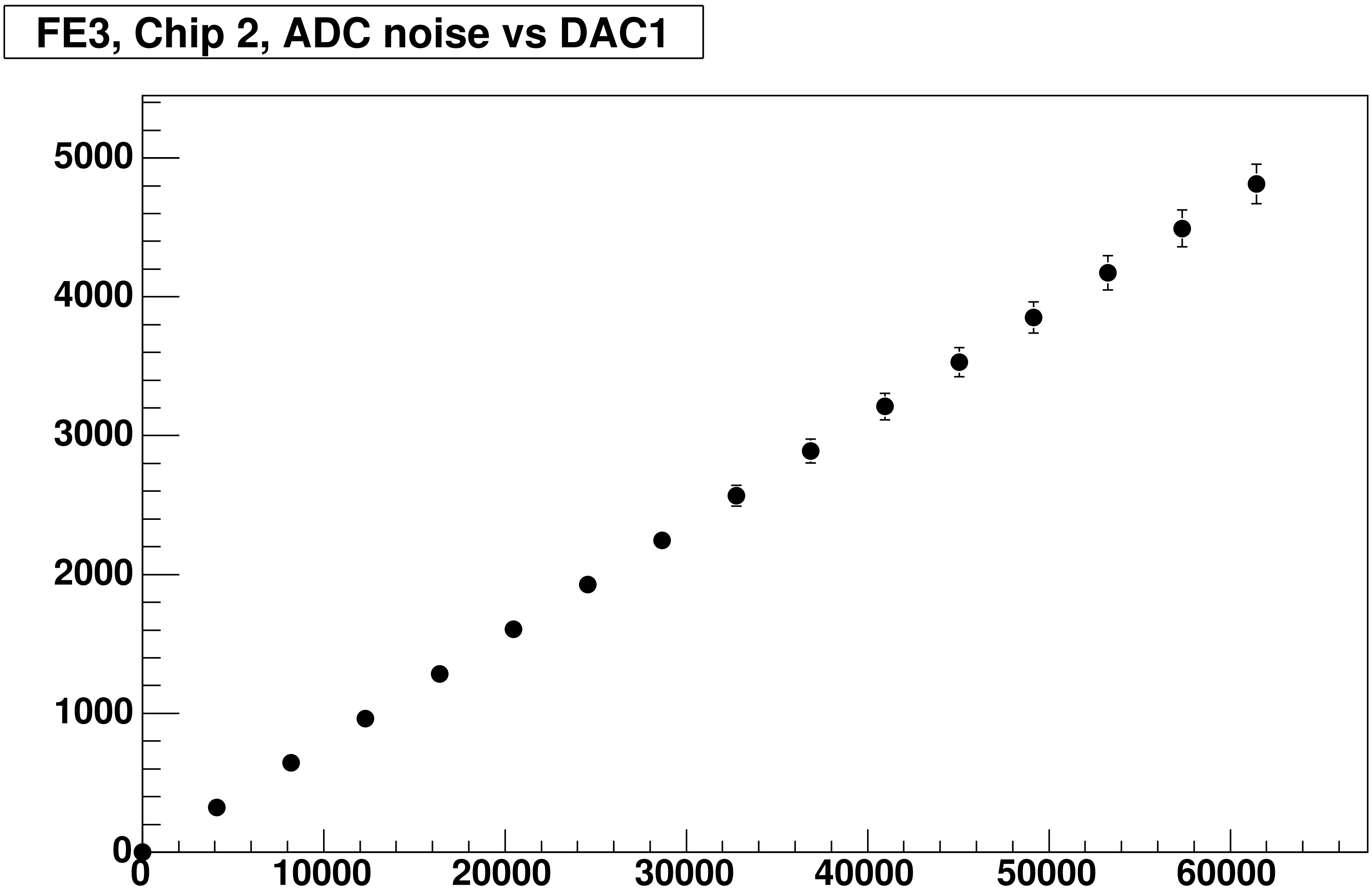
FE3, Chip 2, ADC mean vs DAC0
χ2 / ndf 0.00187 / 11
p0 41.36 ± 31.01
p1 0.4359 ± 0.001593
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

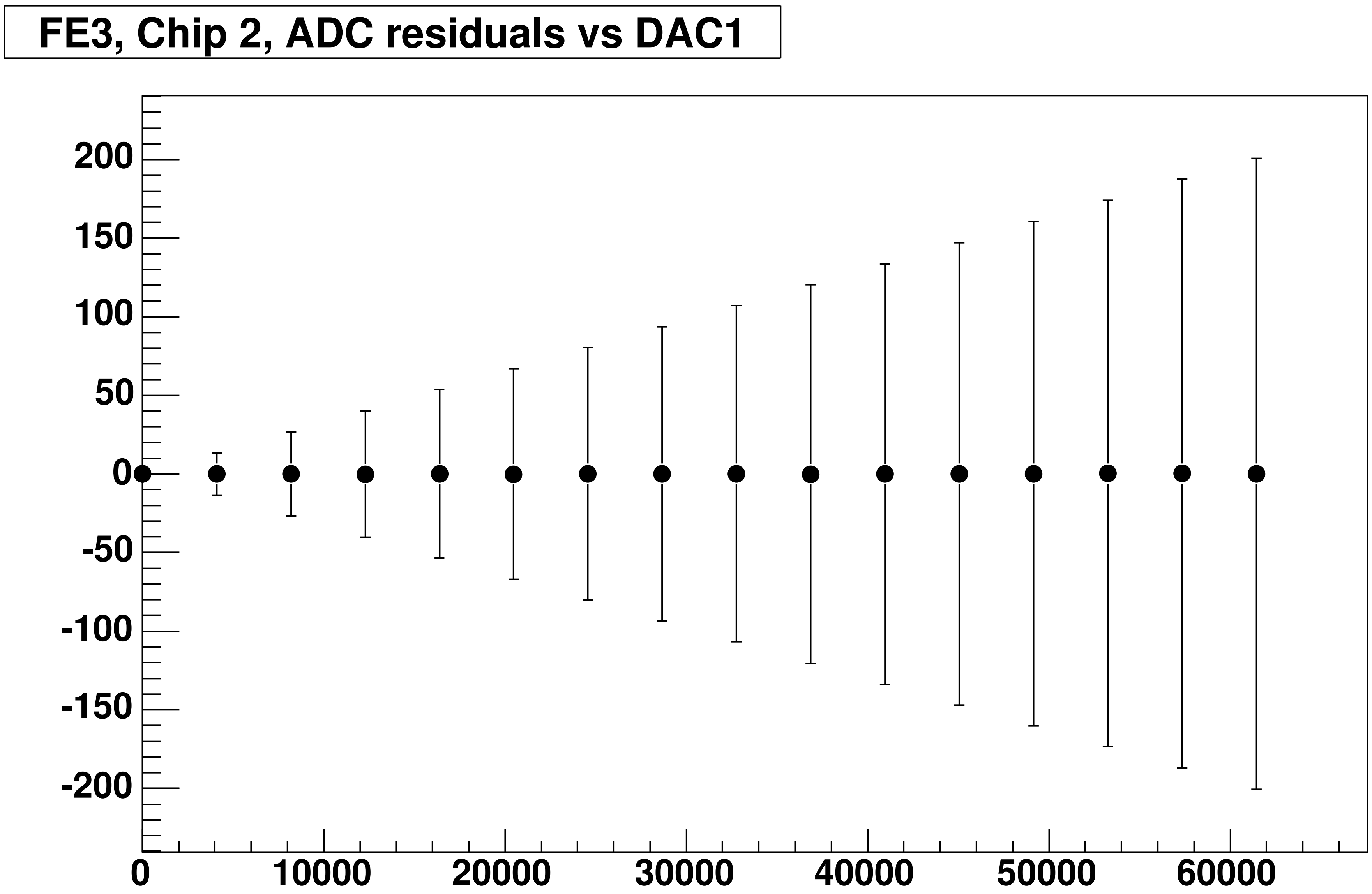

FE3, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

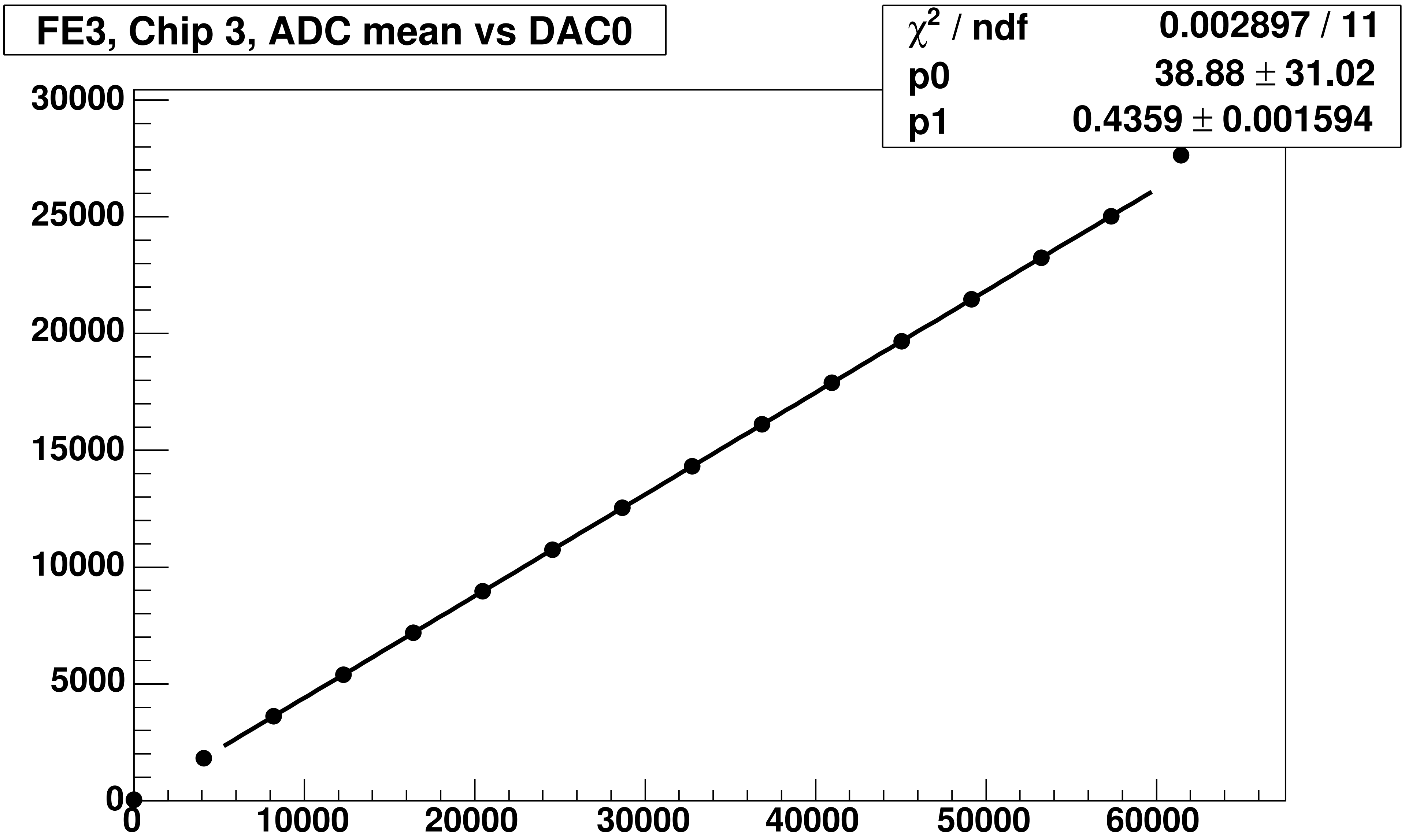

FE3, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



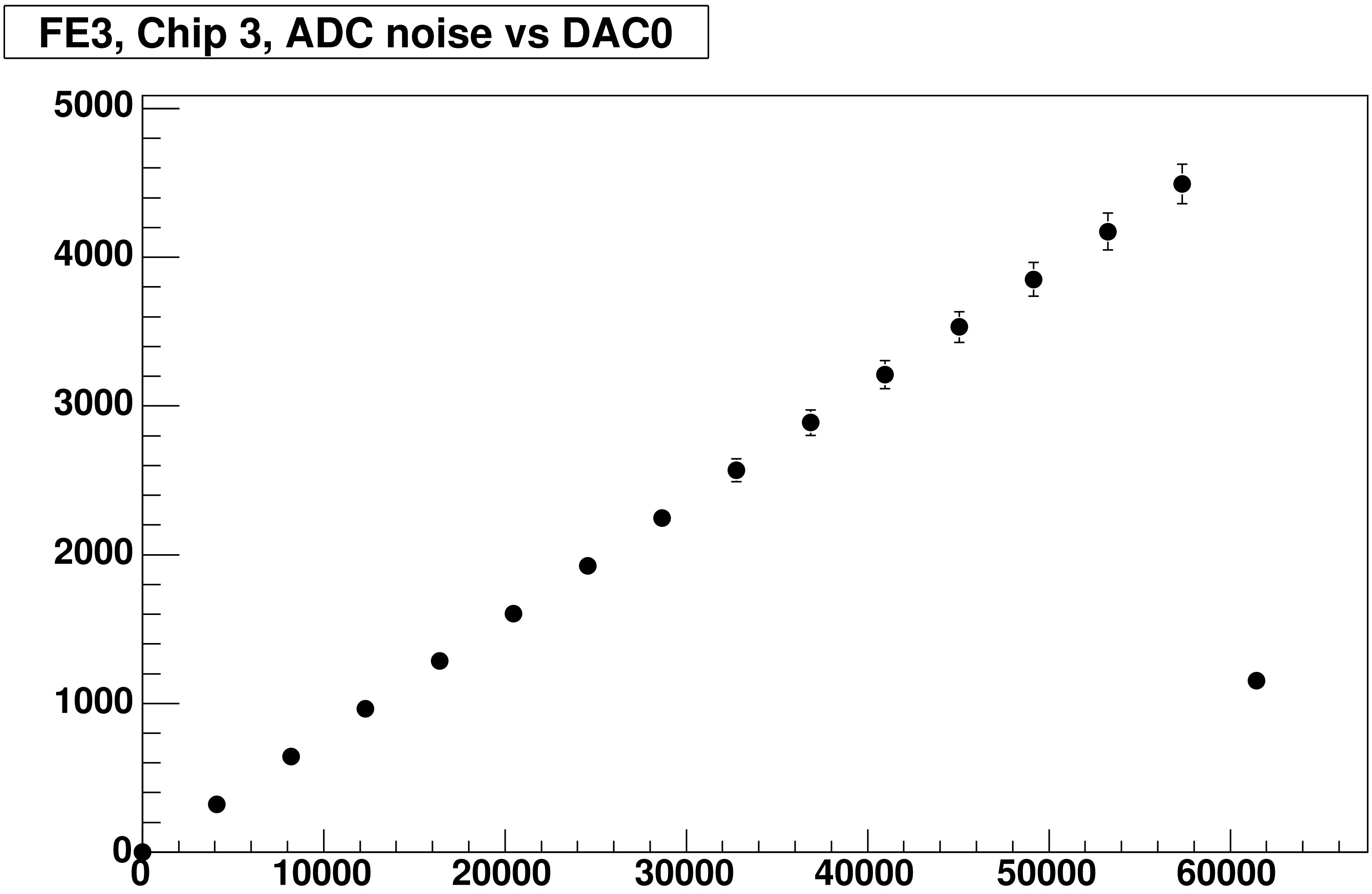
FE3, Chip 2, ADC mean vs DAC1
$\chi^2$ / ndf 3.877e-05 / 11
p0 39.84 ± 31.01
p1 0.01406 ± 0.001593
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

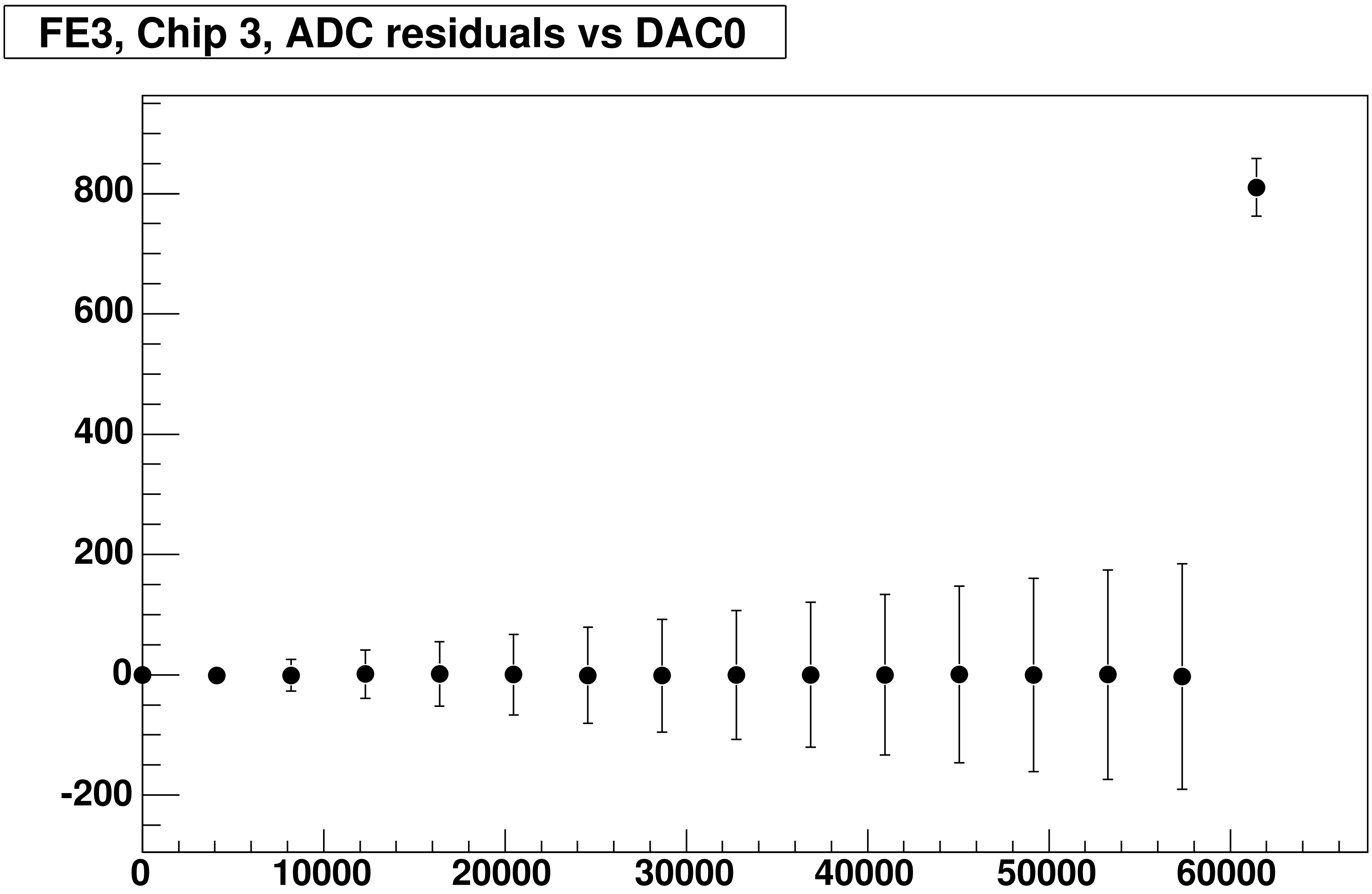

FE3, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

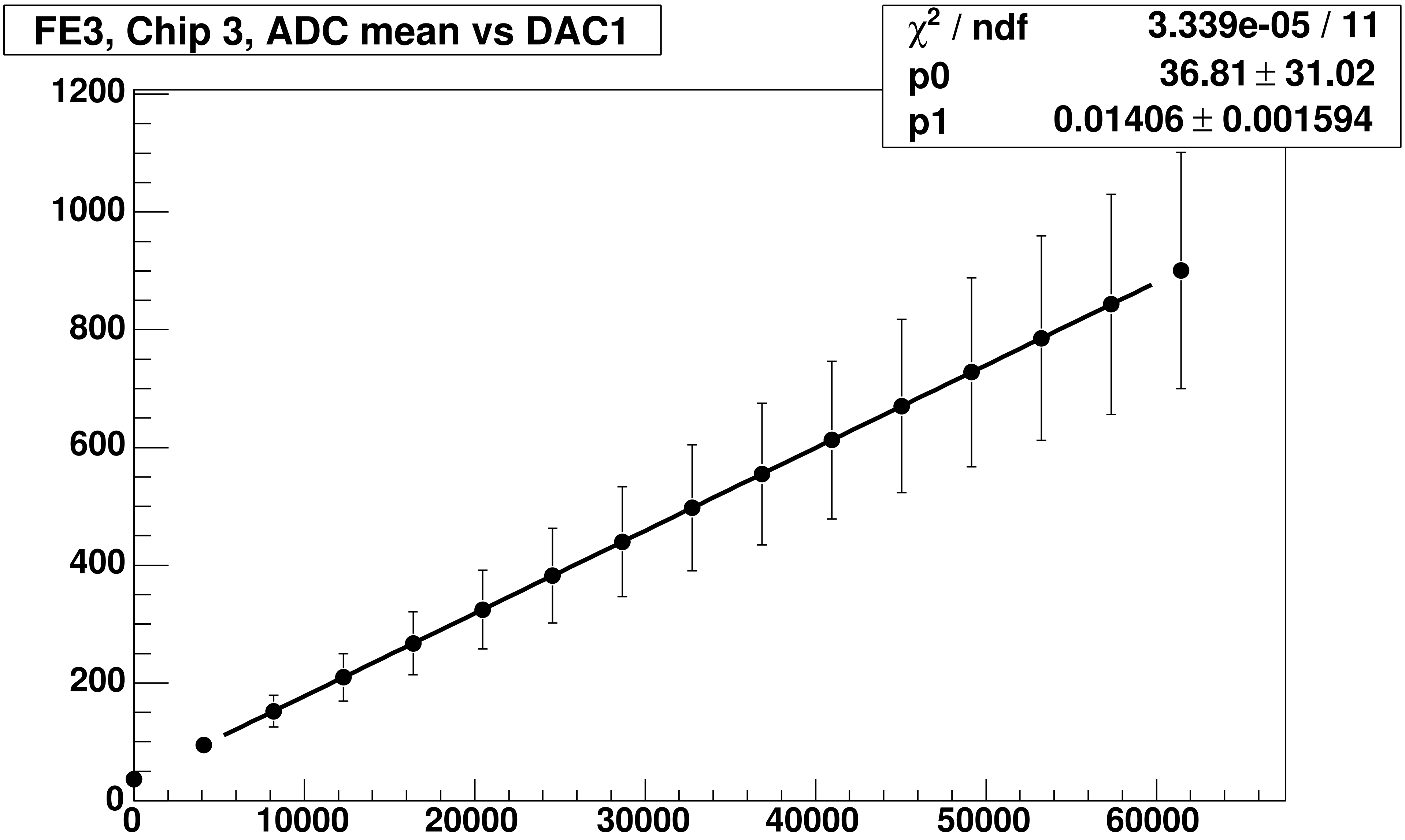

FE3, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



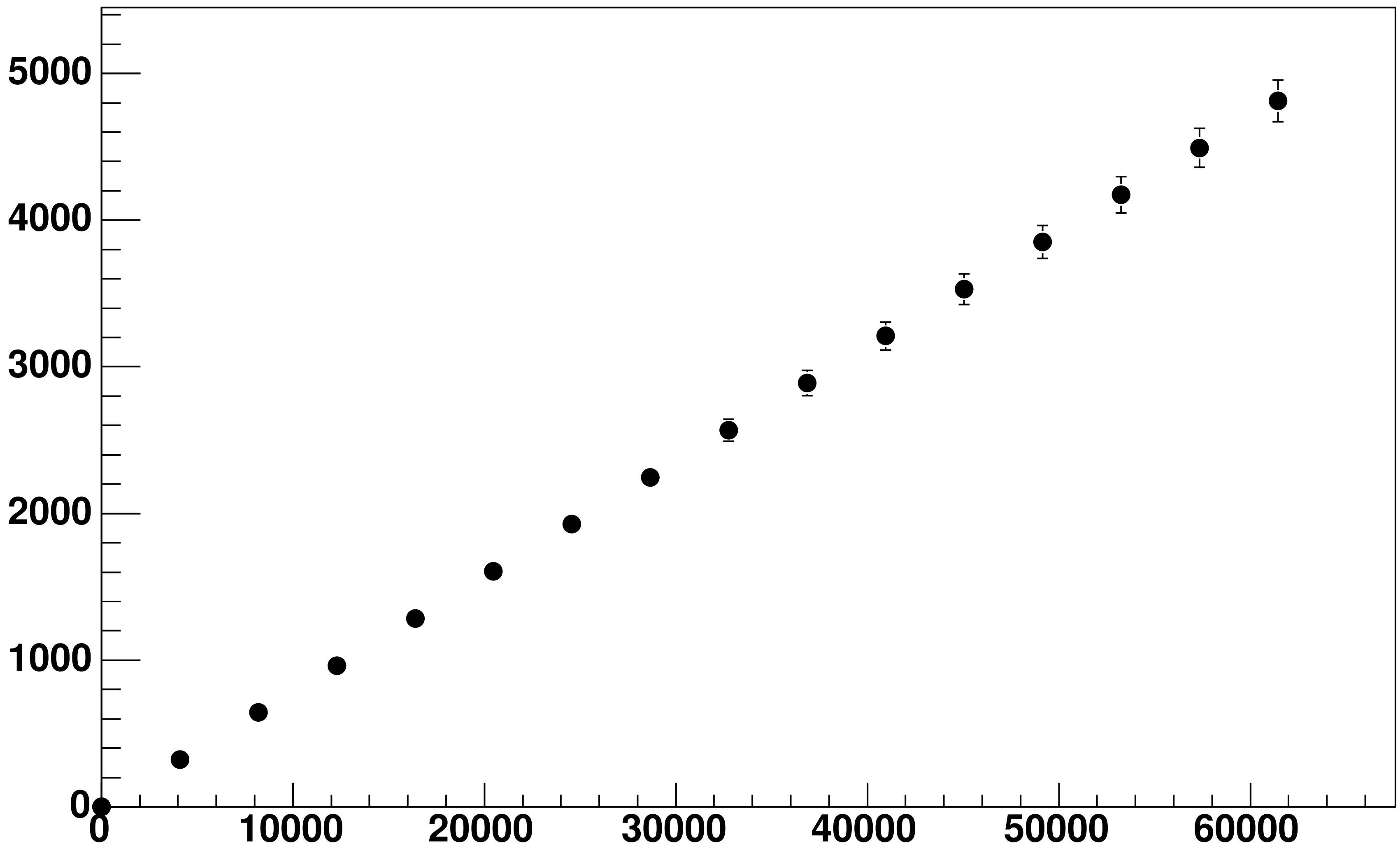
FE3, Chip 3, ADC mean vs DAC0
$\chi^2$ / ndf 0.002897 / 11
p0 38.88 ± 31.02
p1 0.4359 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

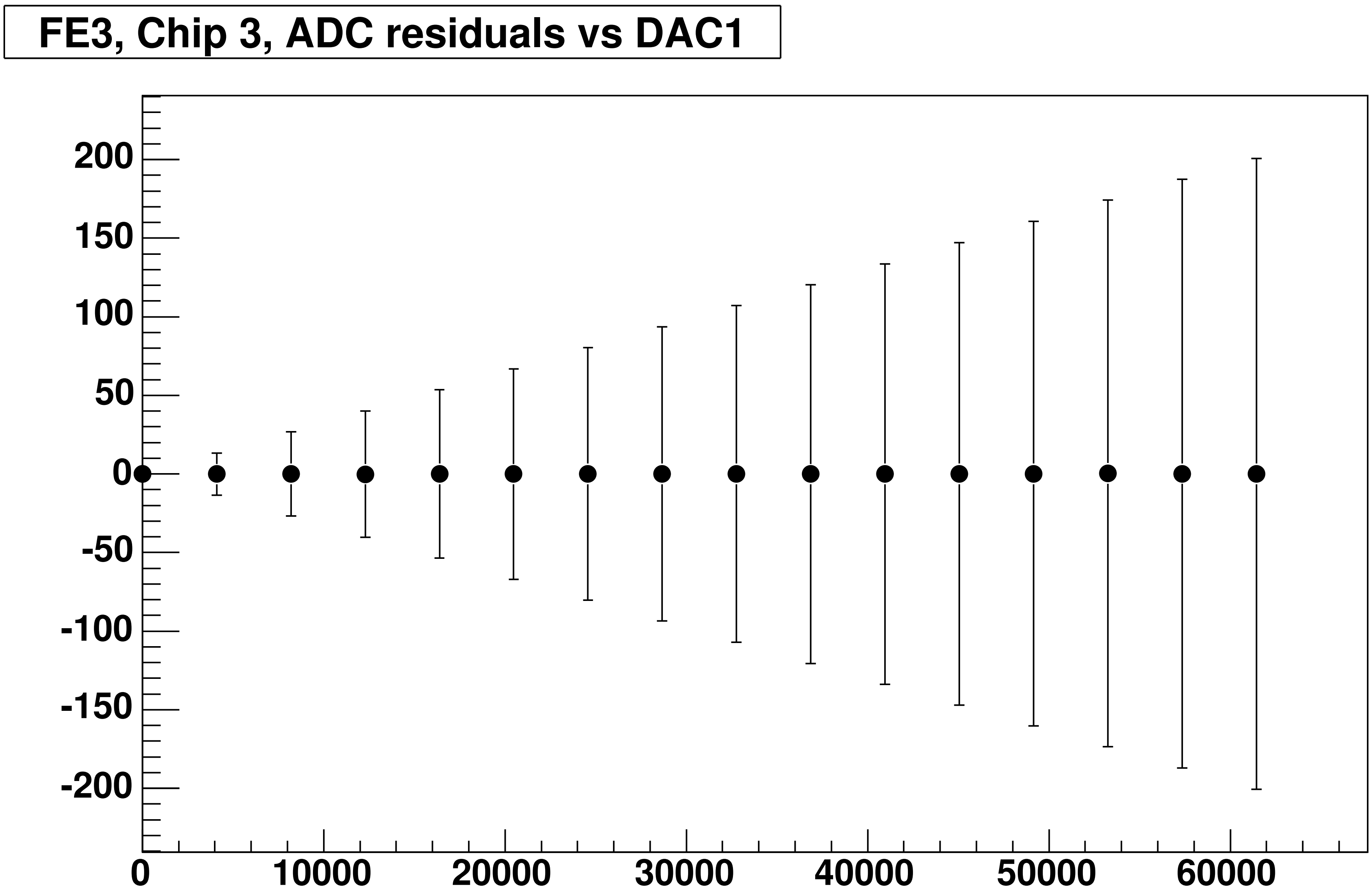

FE3, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

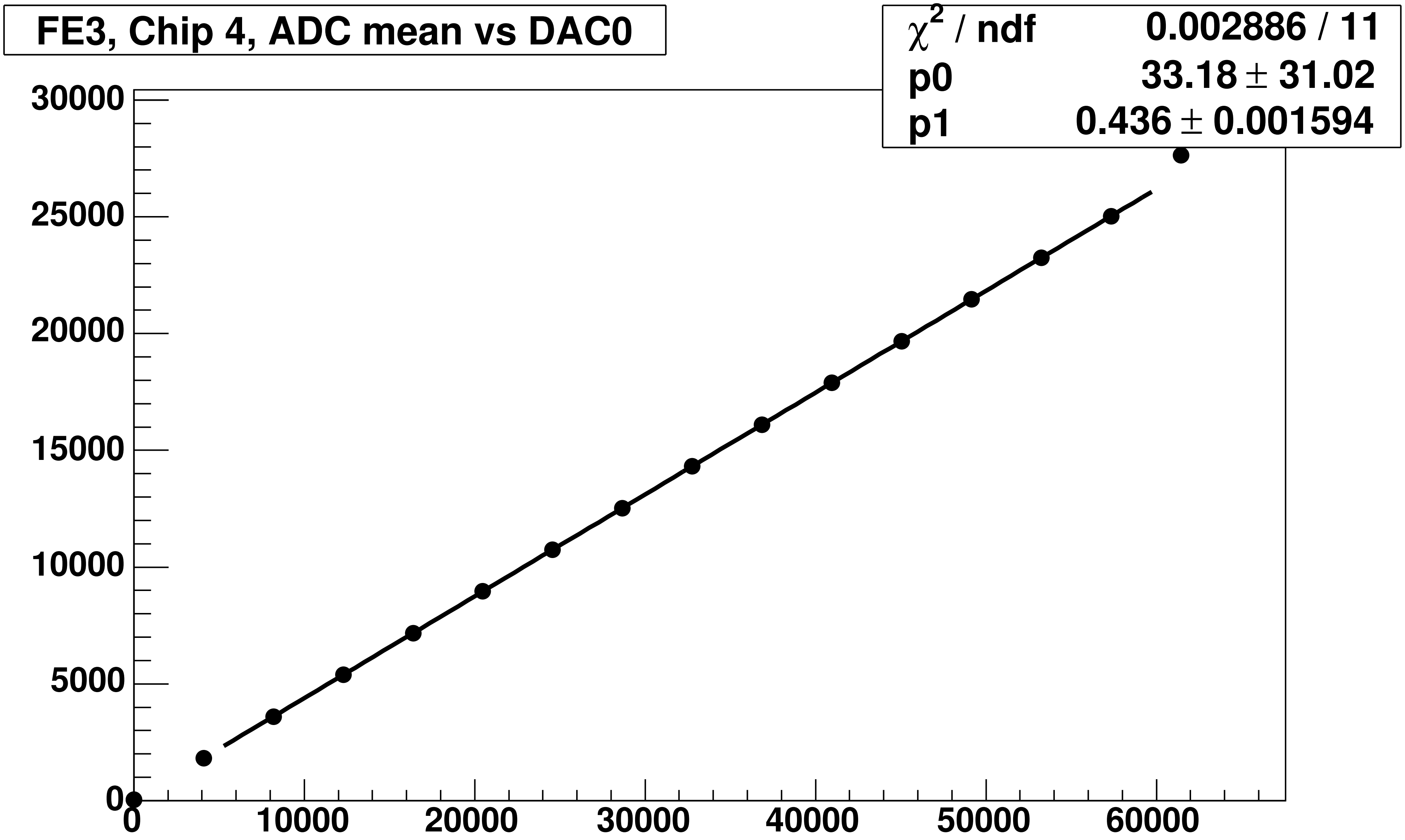

FE3, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

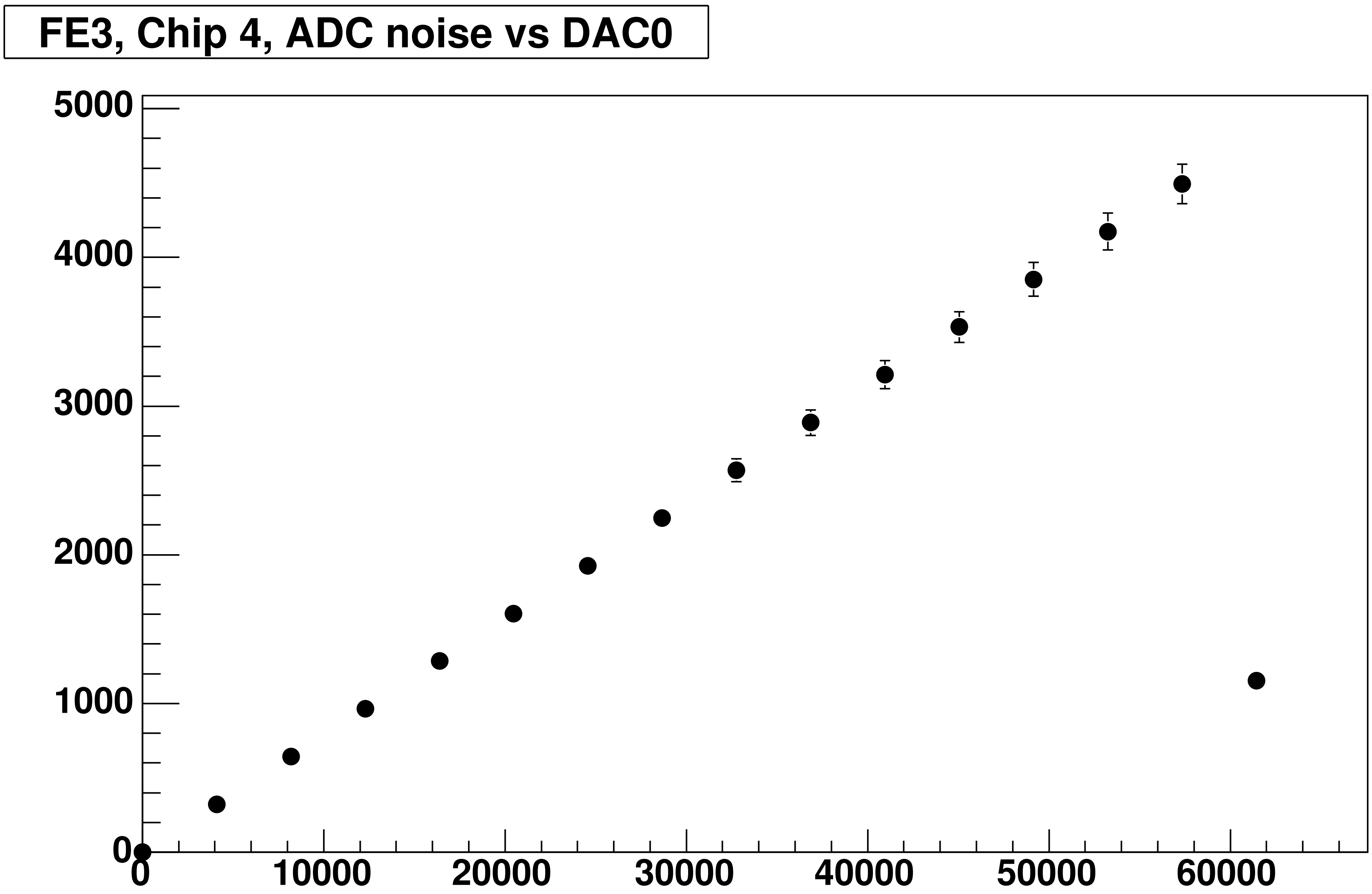

FE3, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 3.339e-05 / 11
p0 36.81 ± 31.02
p1 0.01406 ± 0.001594
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

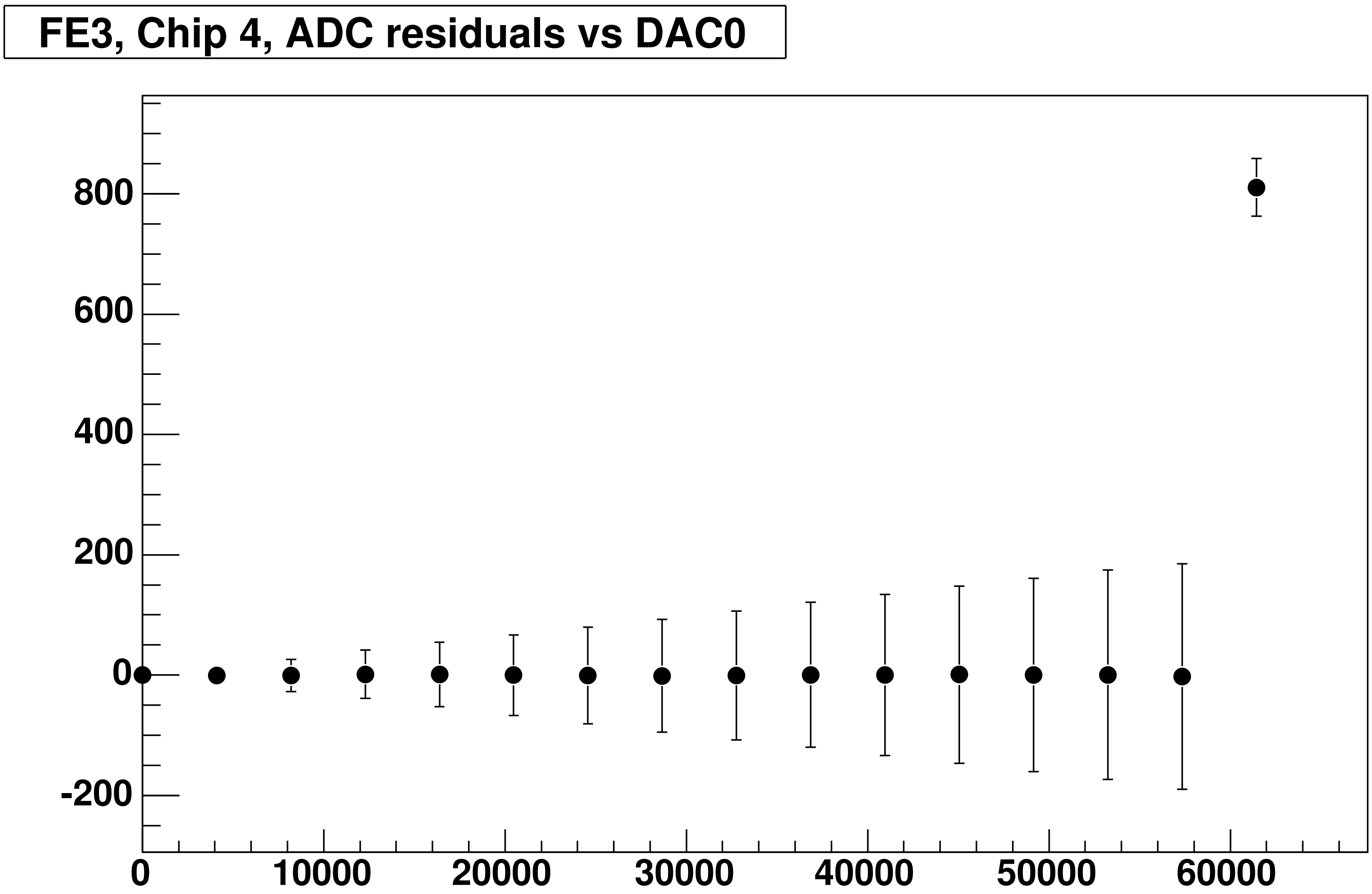
FE3, Chip 3, ADC noise vs DAC1

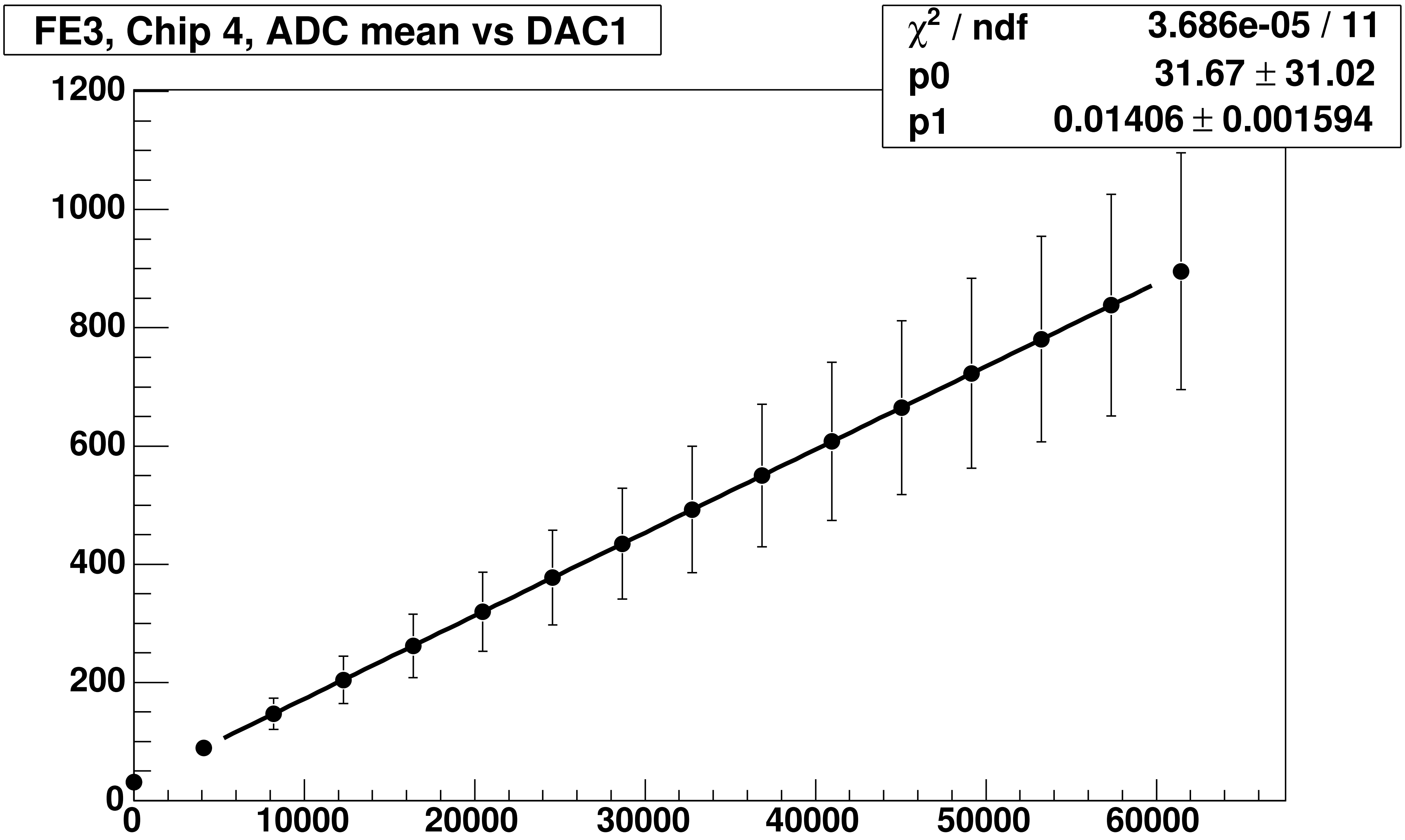


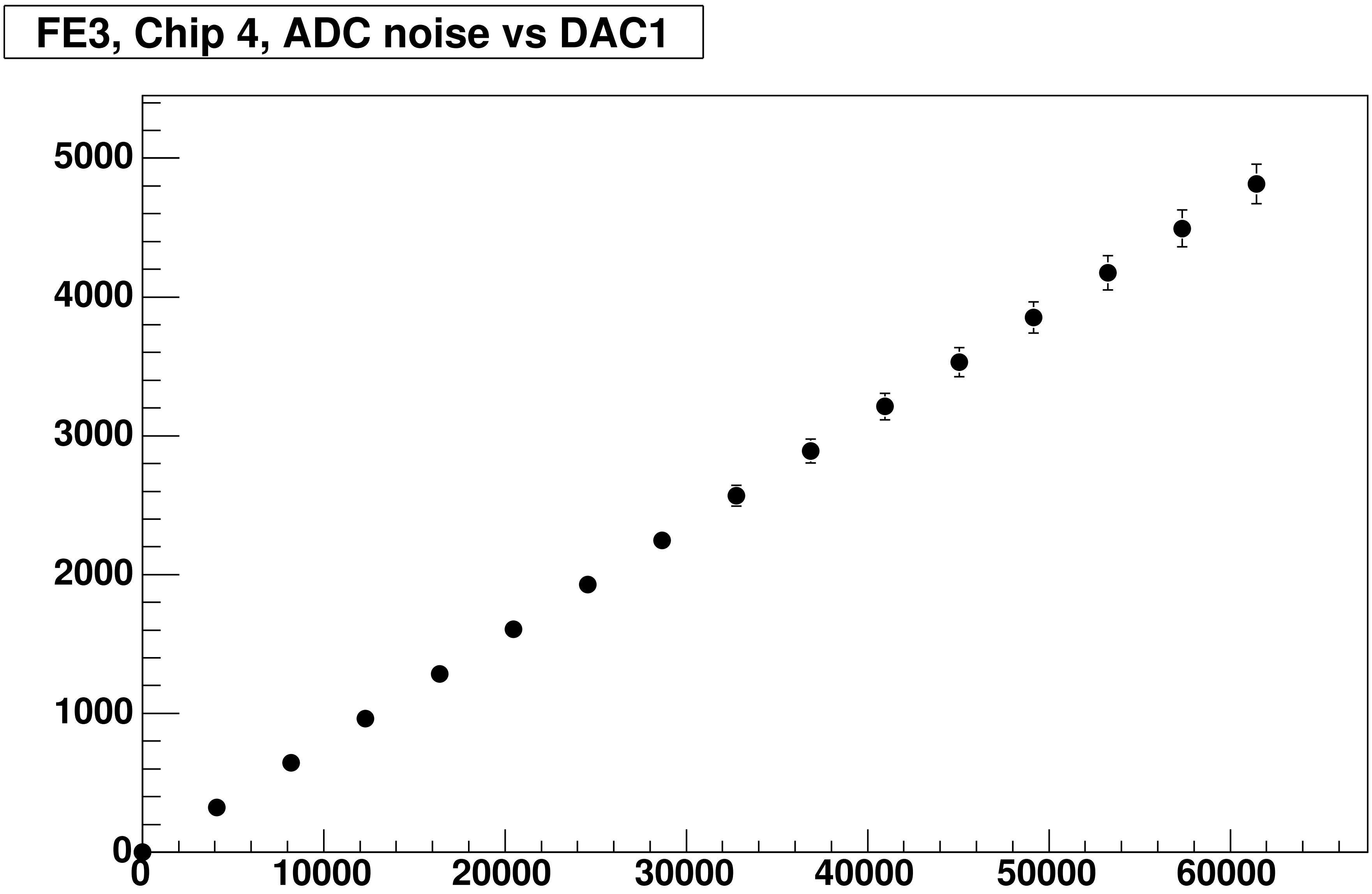

FE3, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

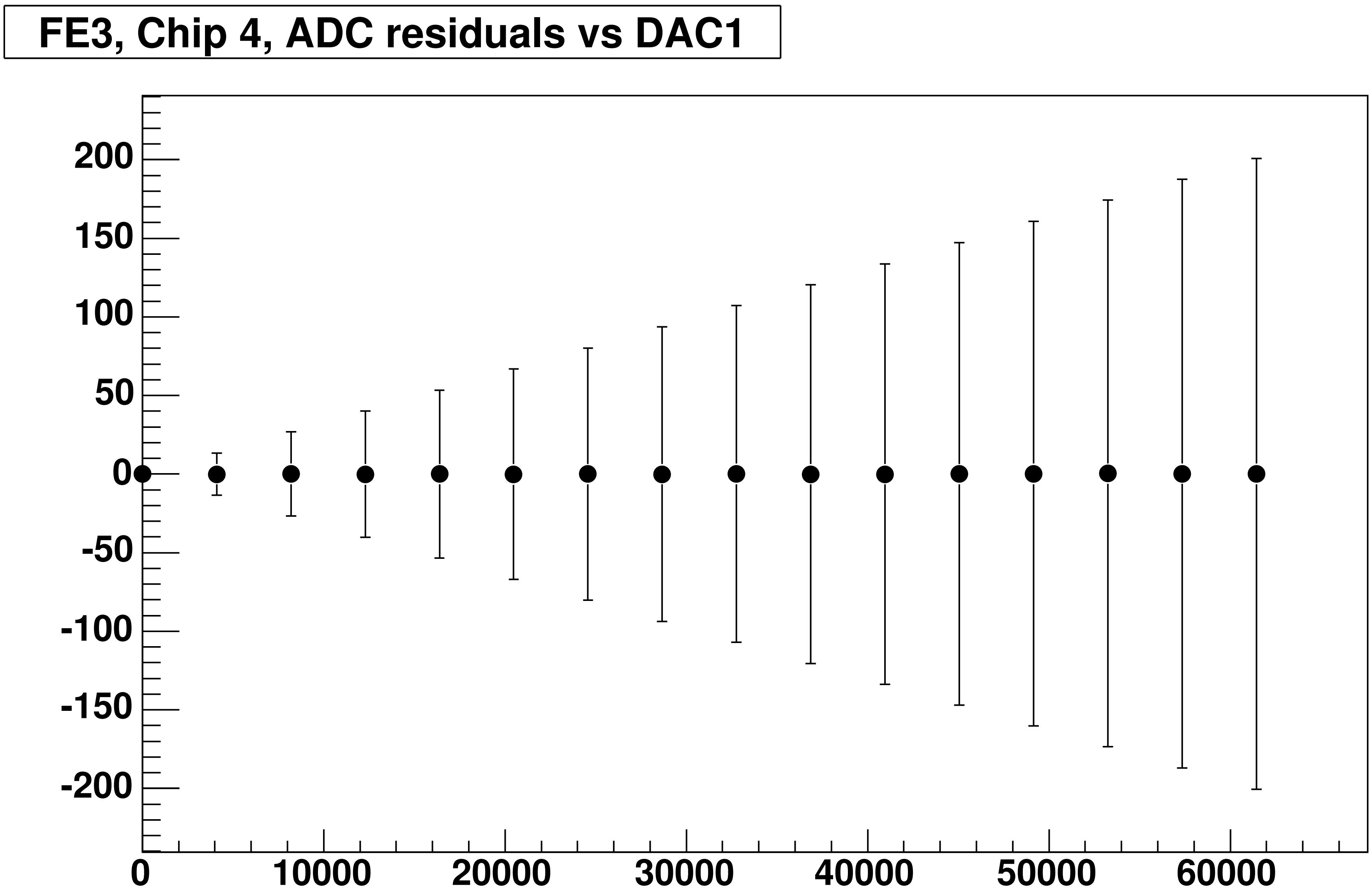

FE3, Chip 4, ADC mean vs DAC0
$\chi^2$ / ndf 0.002886 / 11
p0 33.18 ± 31.02
p1 0.436 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

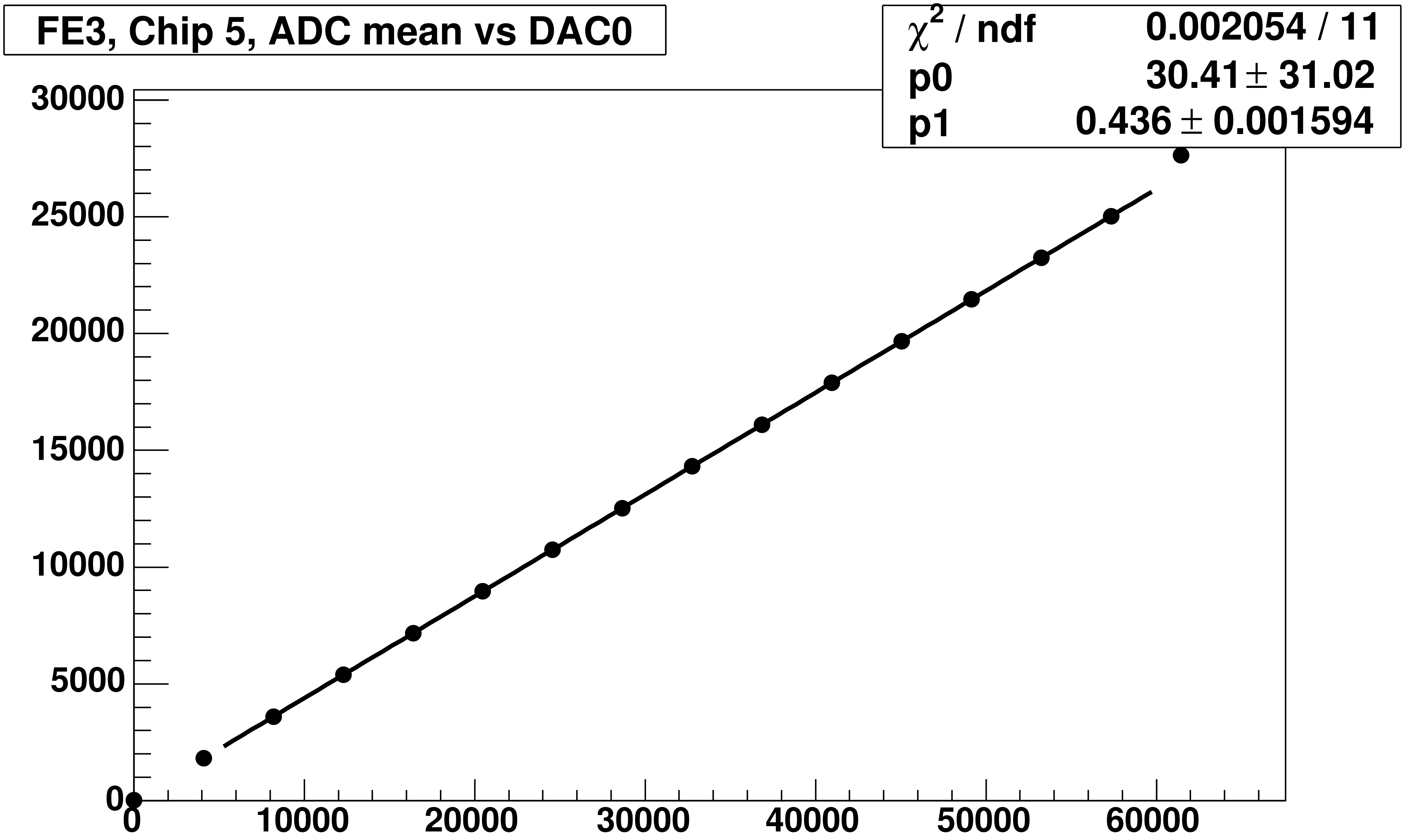

FE3, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

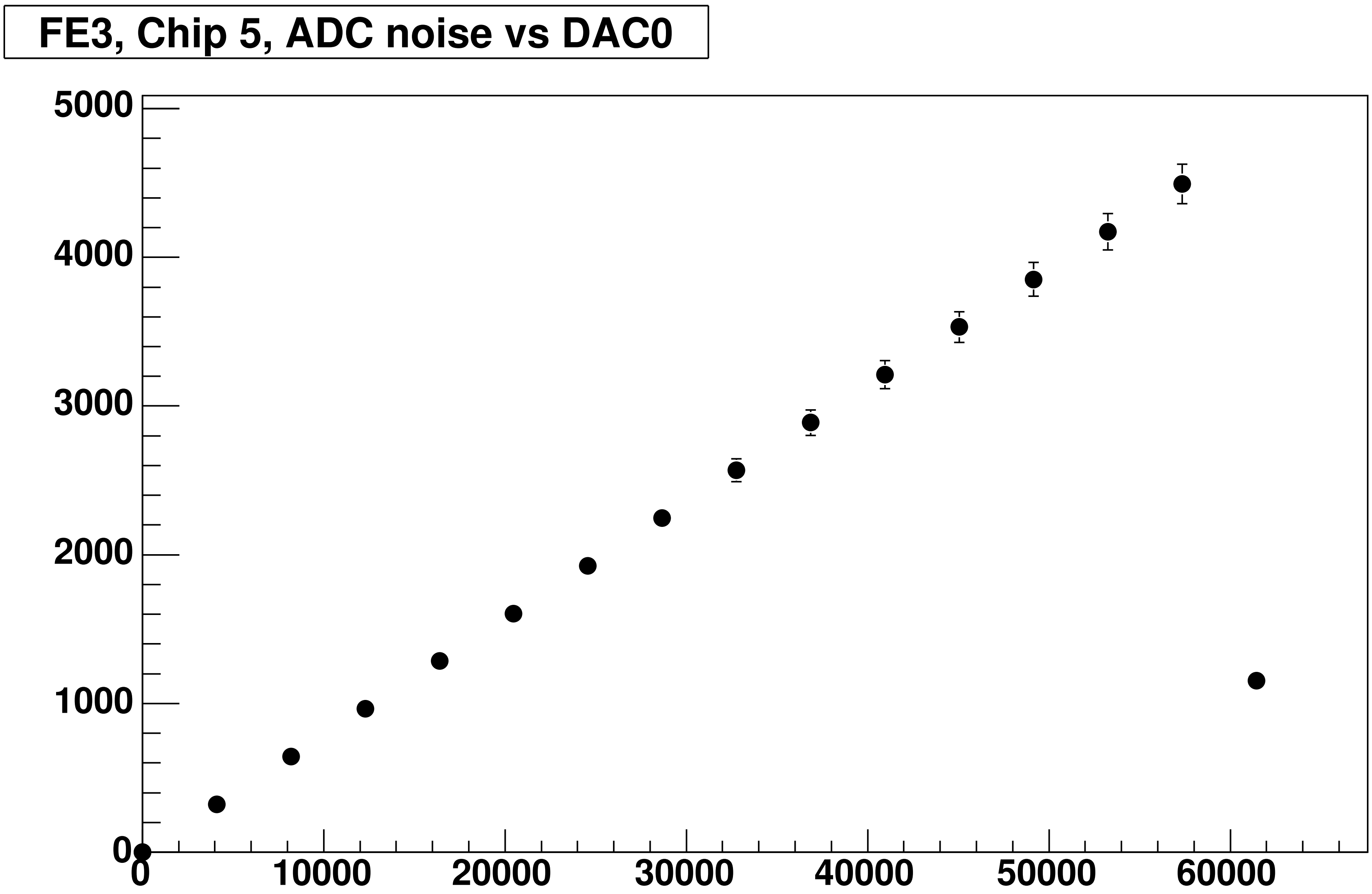

FE3, Chip 4, ADC mean vs DAC1
$\chi^2$ / ndf 3.686e-05 / 11
p0 31.67 ± 31.02
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

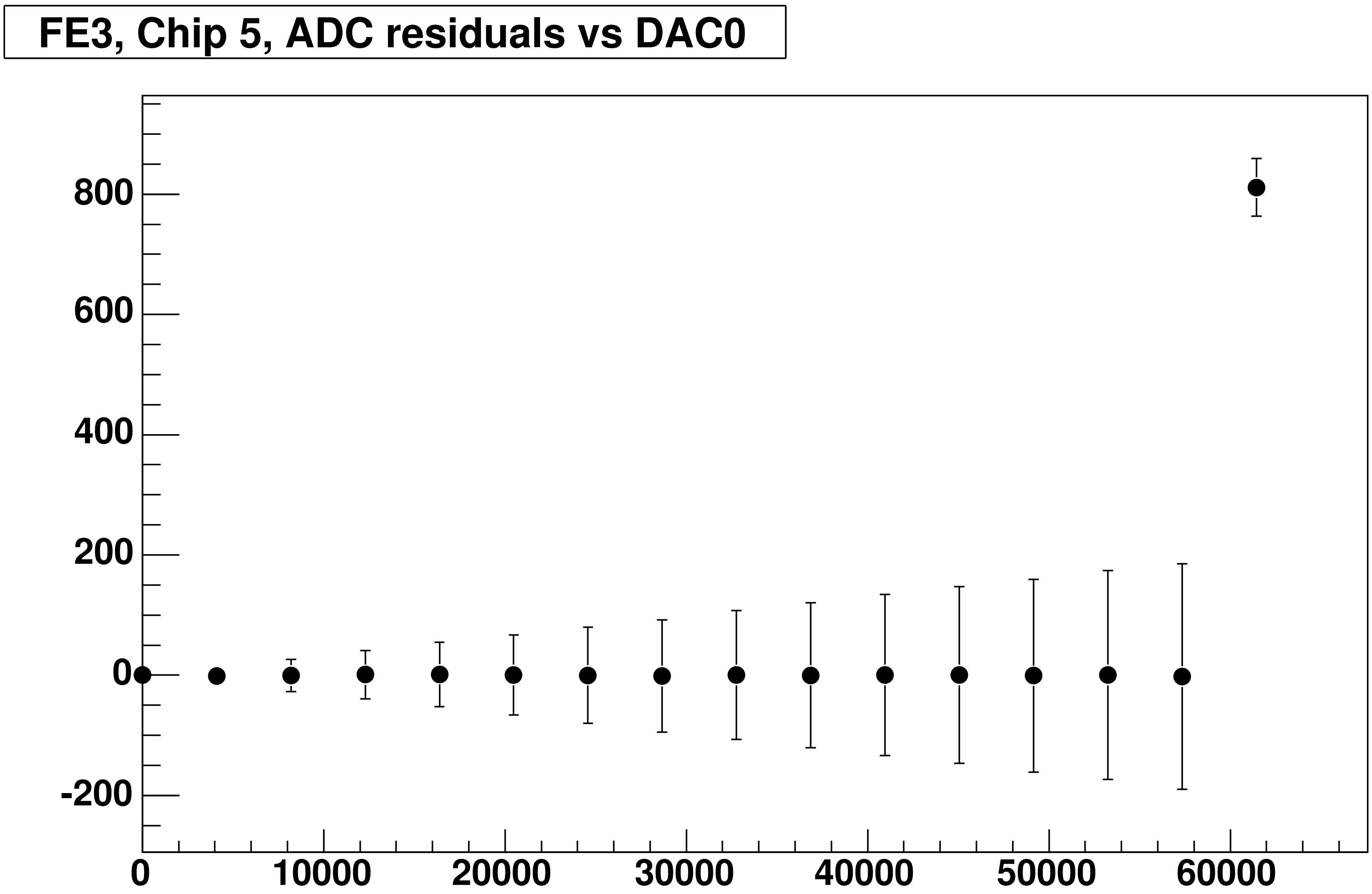

FE3, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

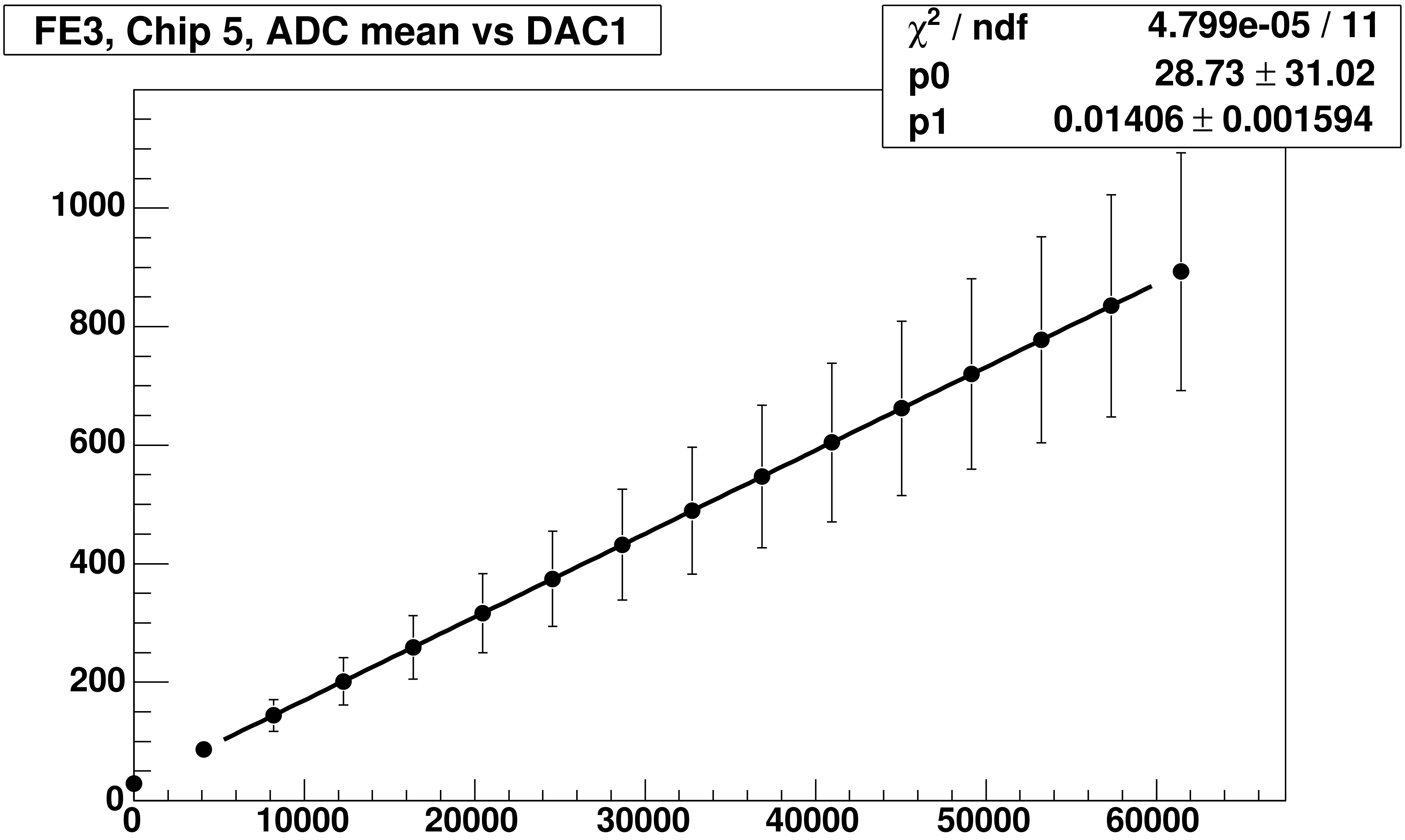

FE3, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



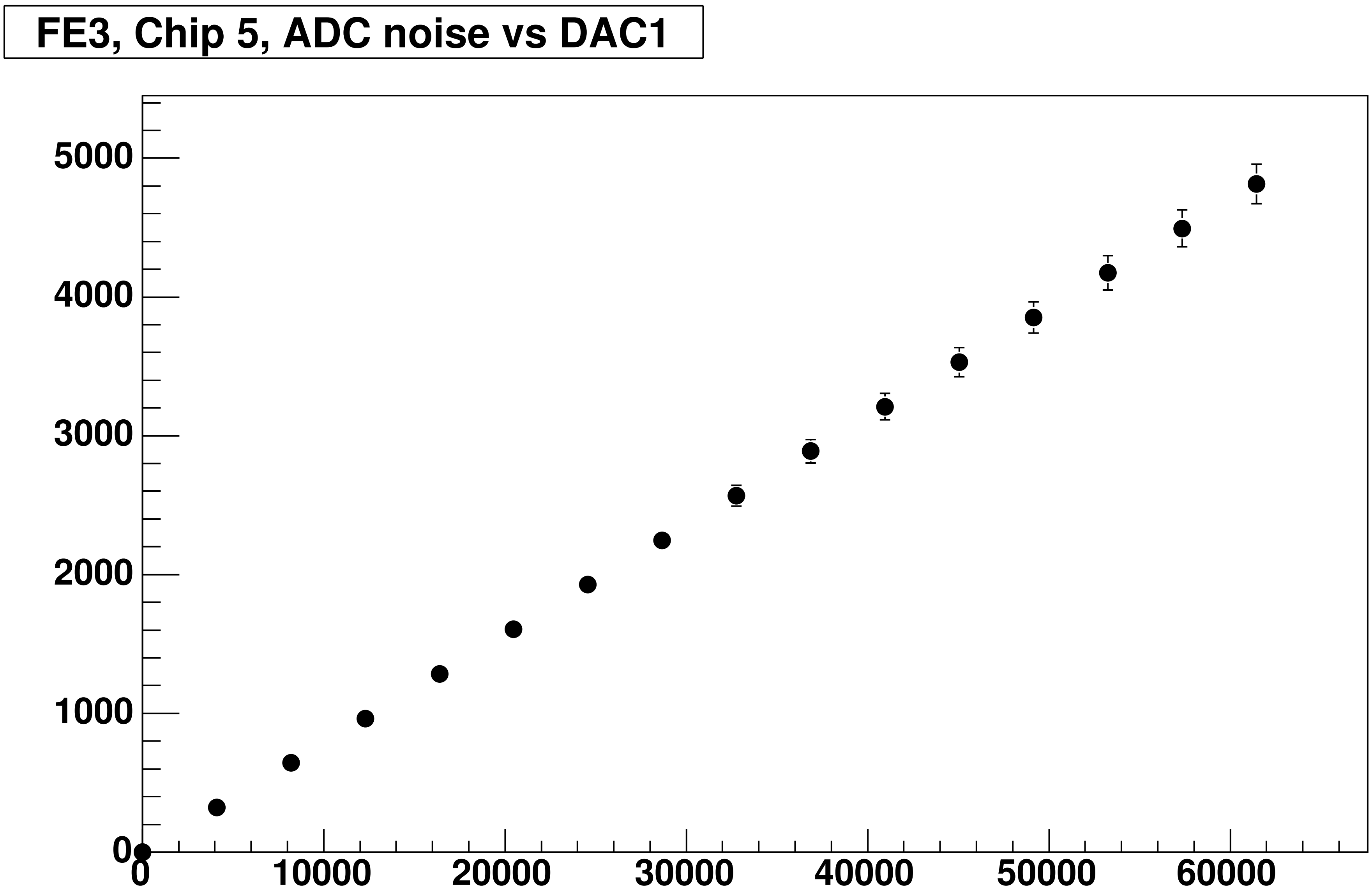
FE3, Chip 5, ADC mean vs DAC0
χ2 / ndf 0.002054 / 11
p0 30.41 ± 31.02
p1 0.436 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

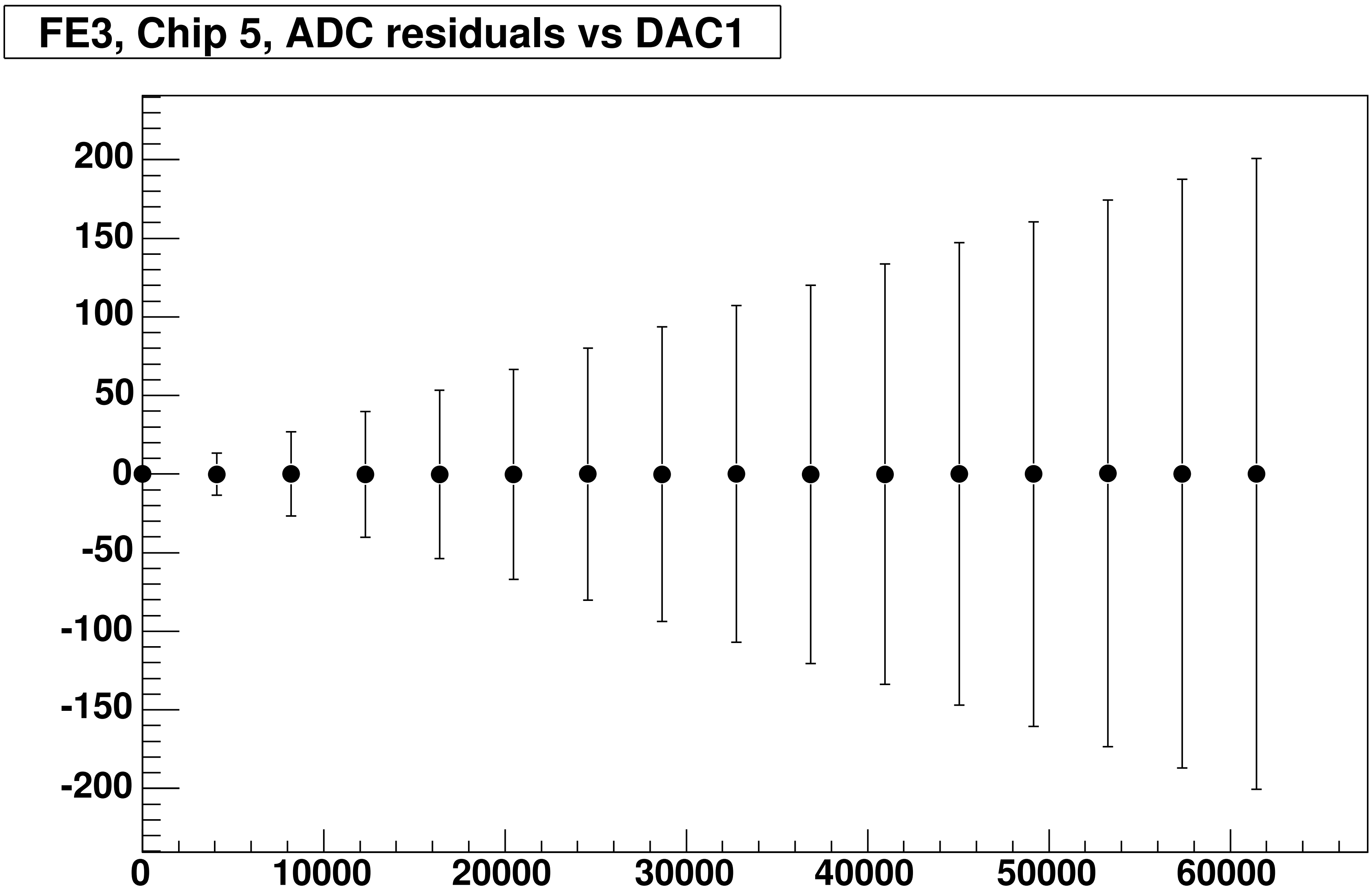

FE3, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

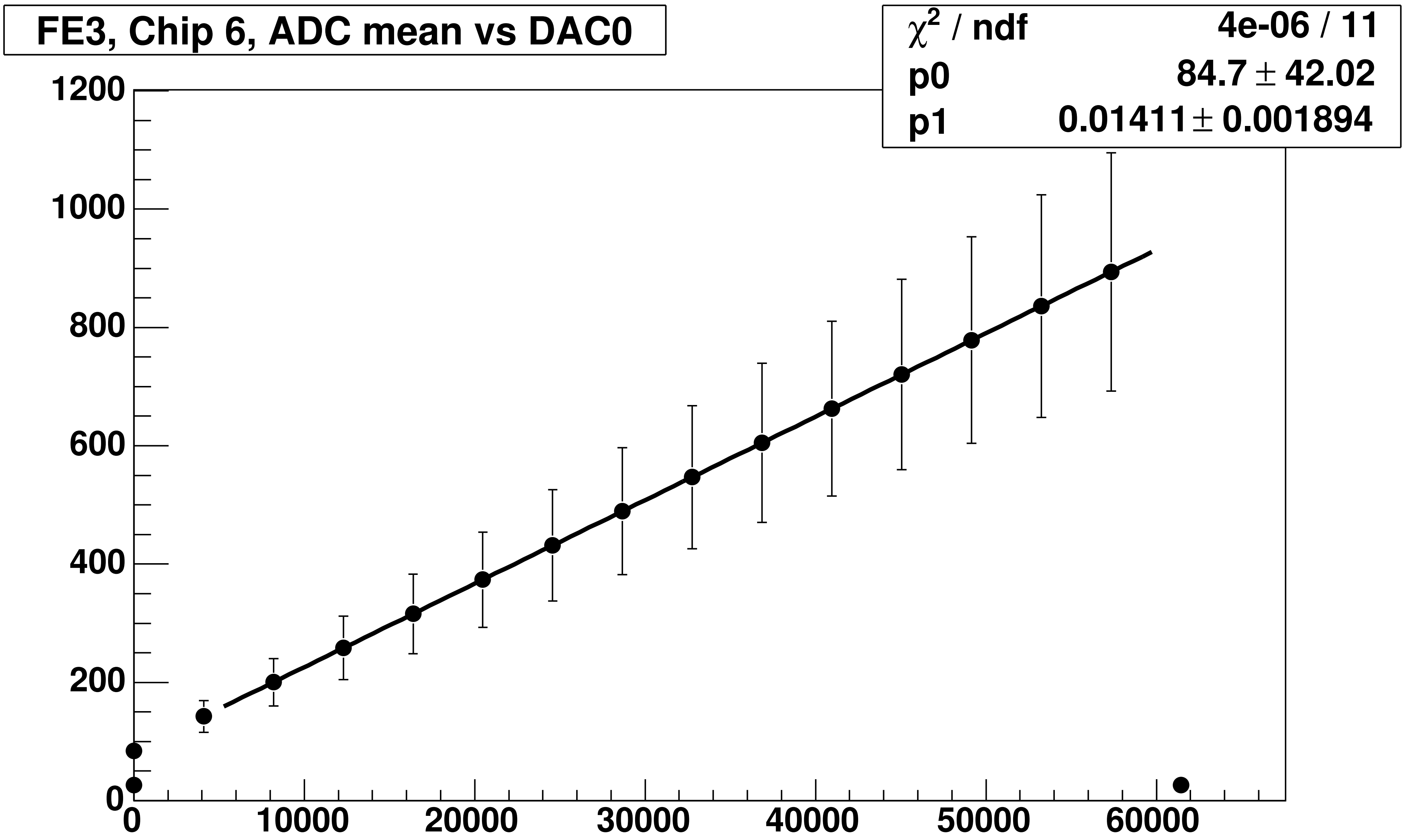

FE3, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

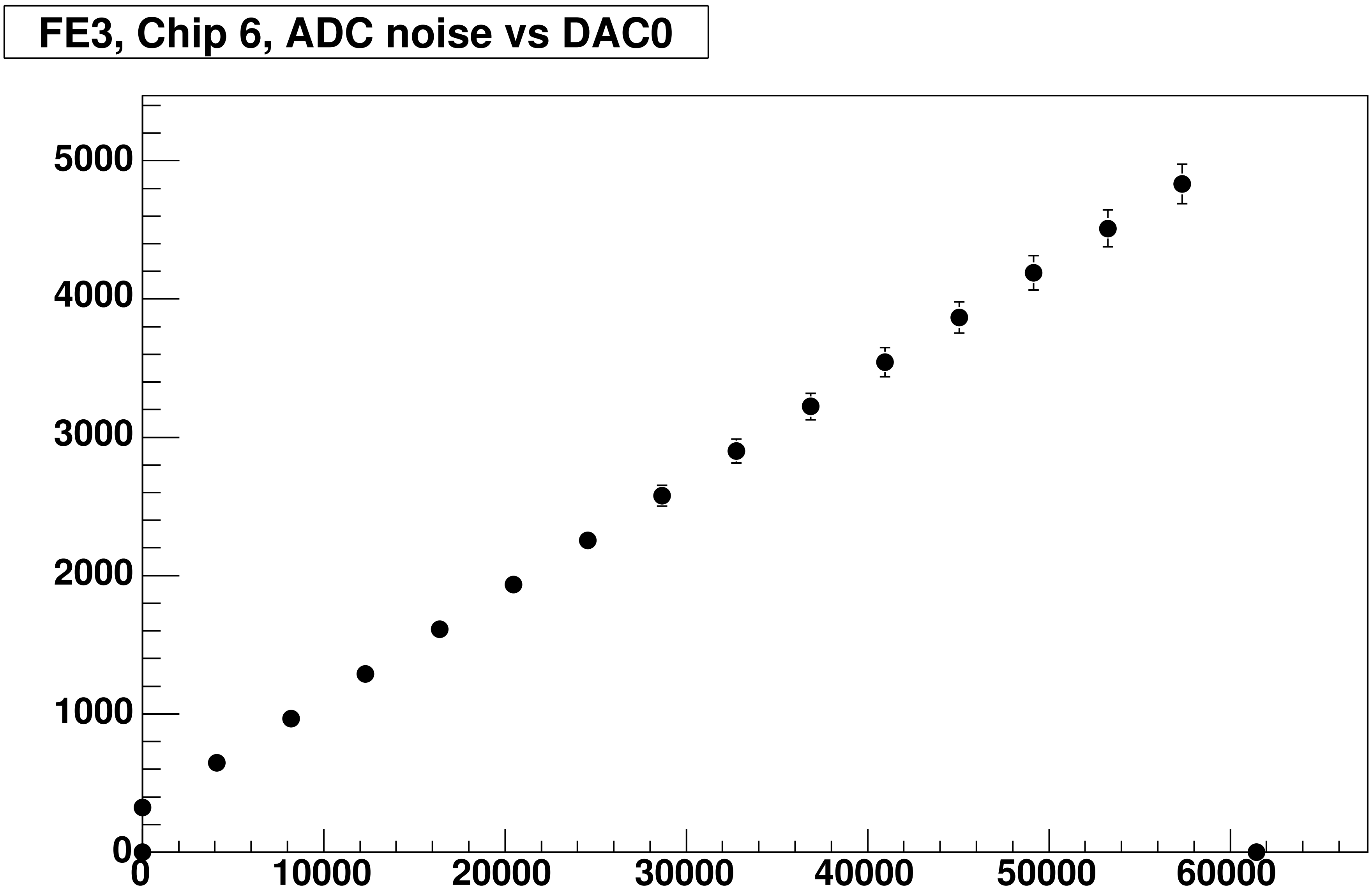


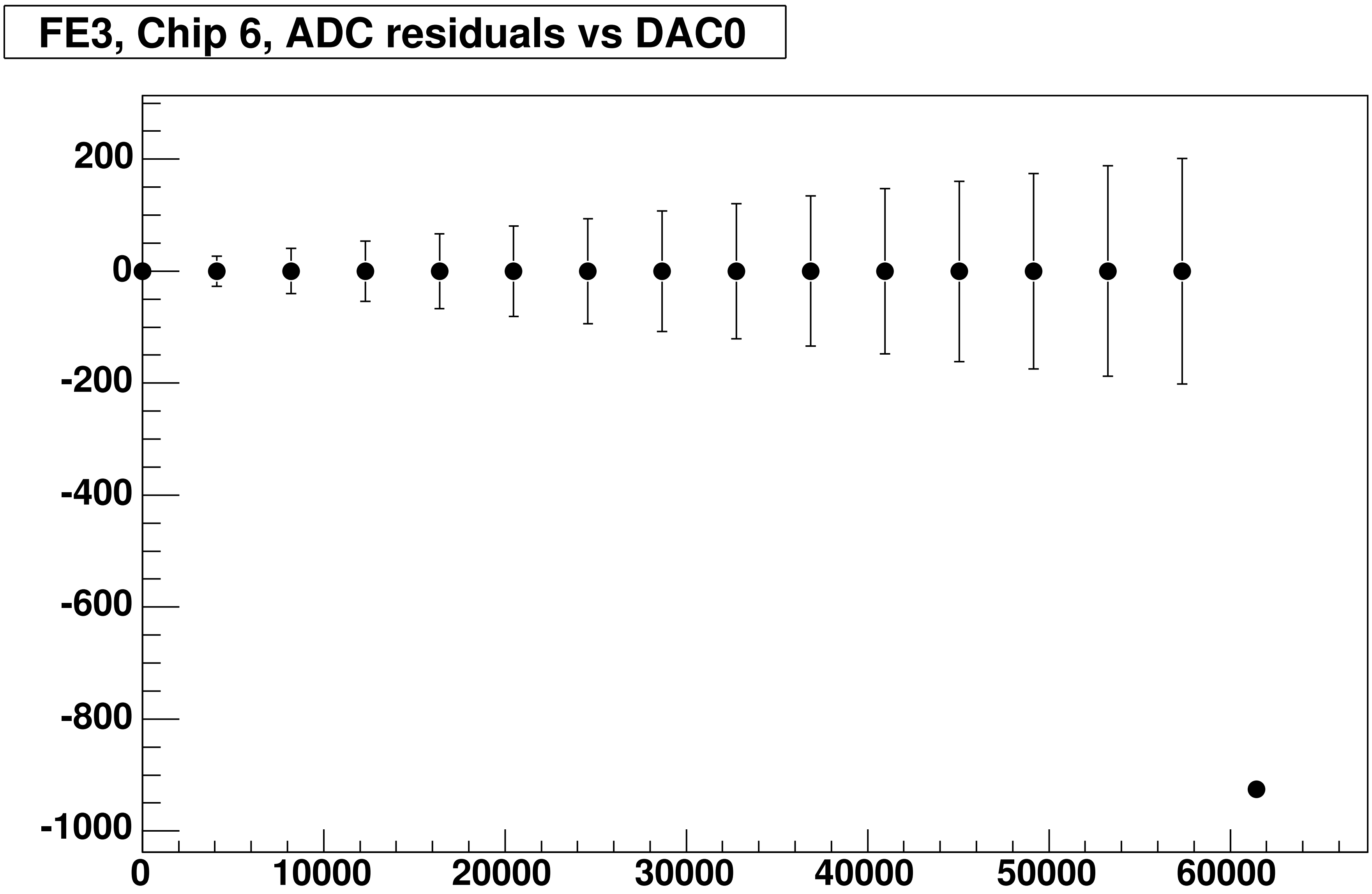
FE3, Chip 5, ADC mean vs DAC1
$\chi^2$ / ndf 4.799e-05 / 11
p0 28.73 ± 31.02
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

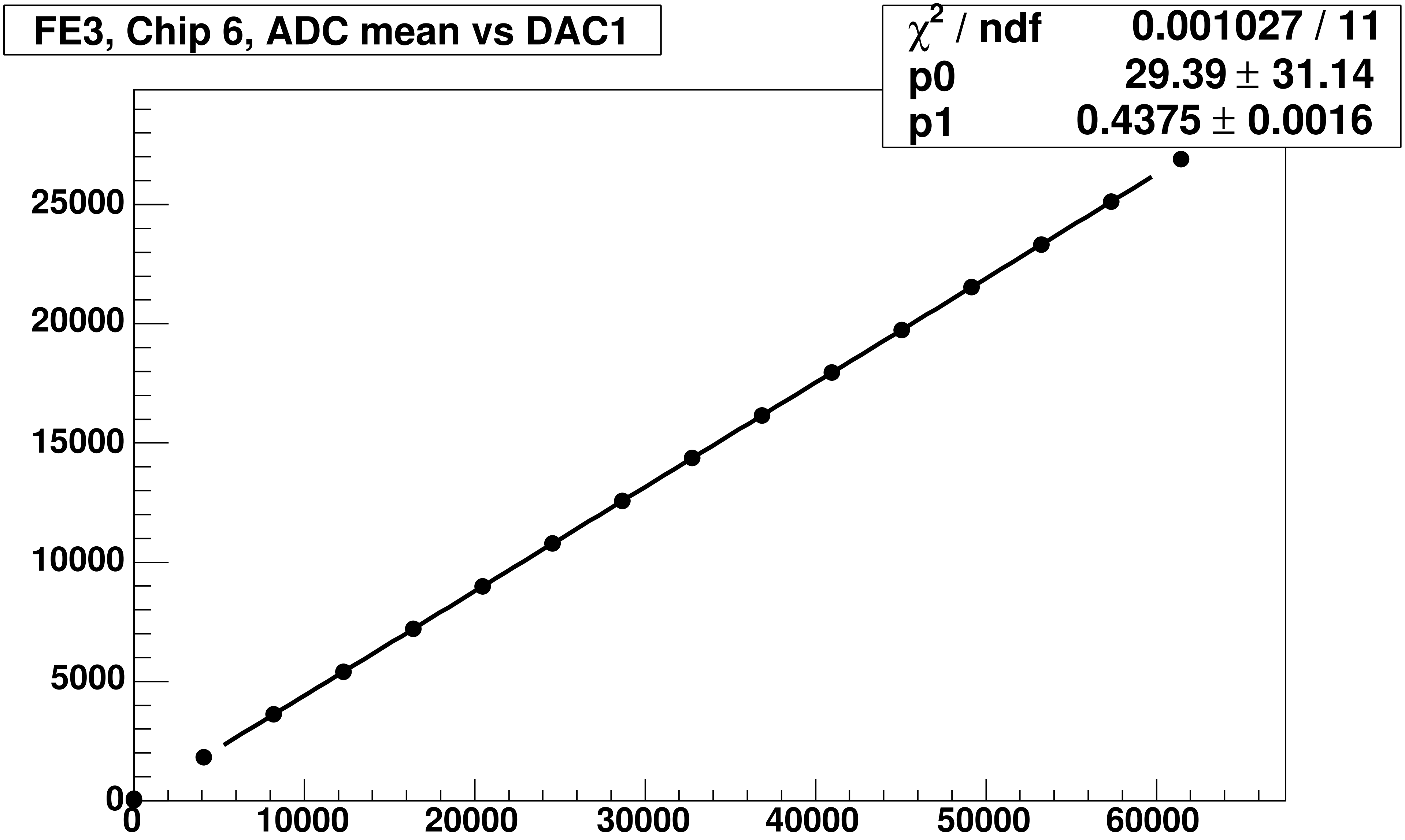

FE3, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

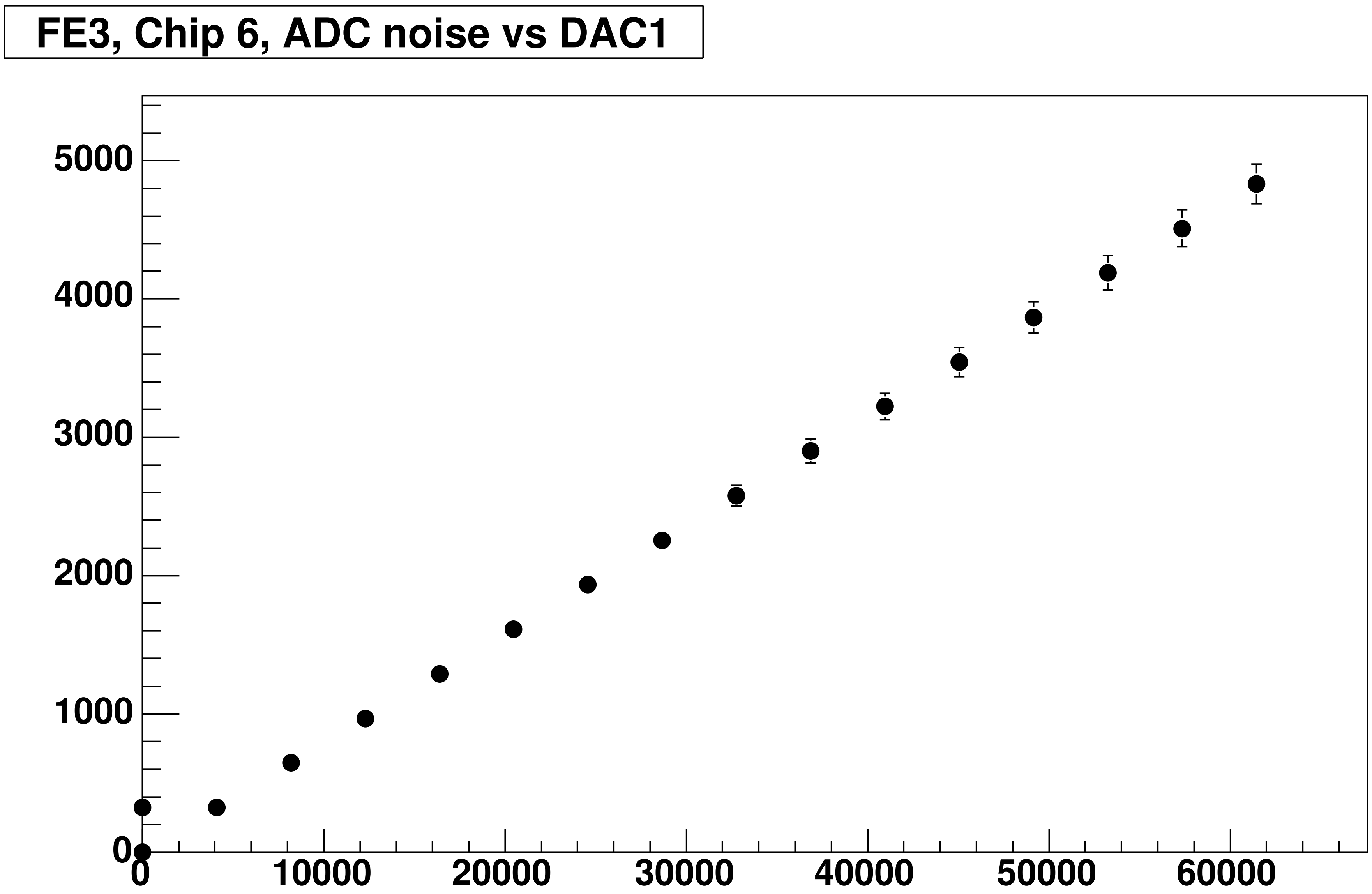

FE3, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

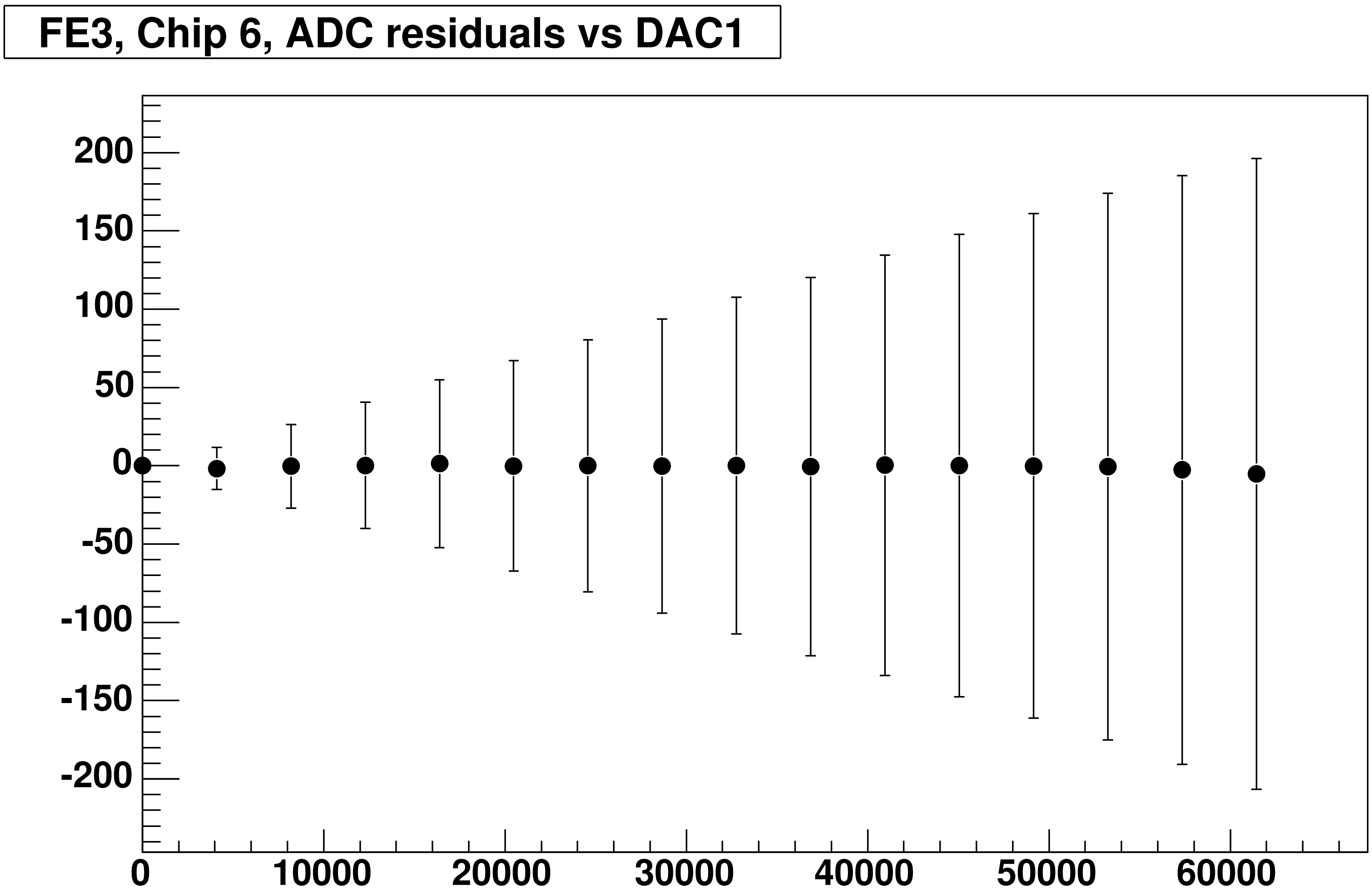

FE3, Chip 6, ADC mean vs DAC0
χ2 / ndf 4e-06 / 11
p0 84.7 ± 42.02
p1 0.01411 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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

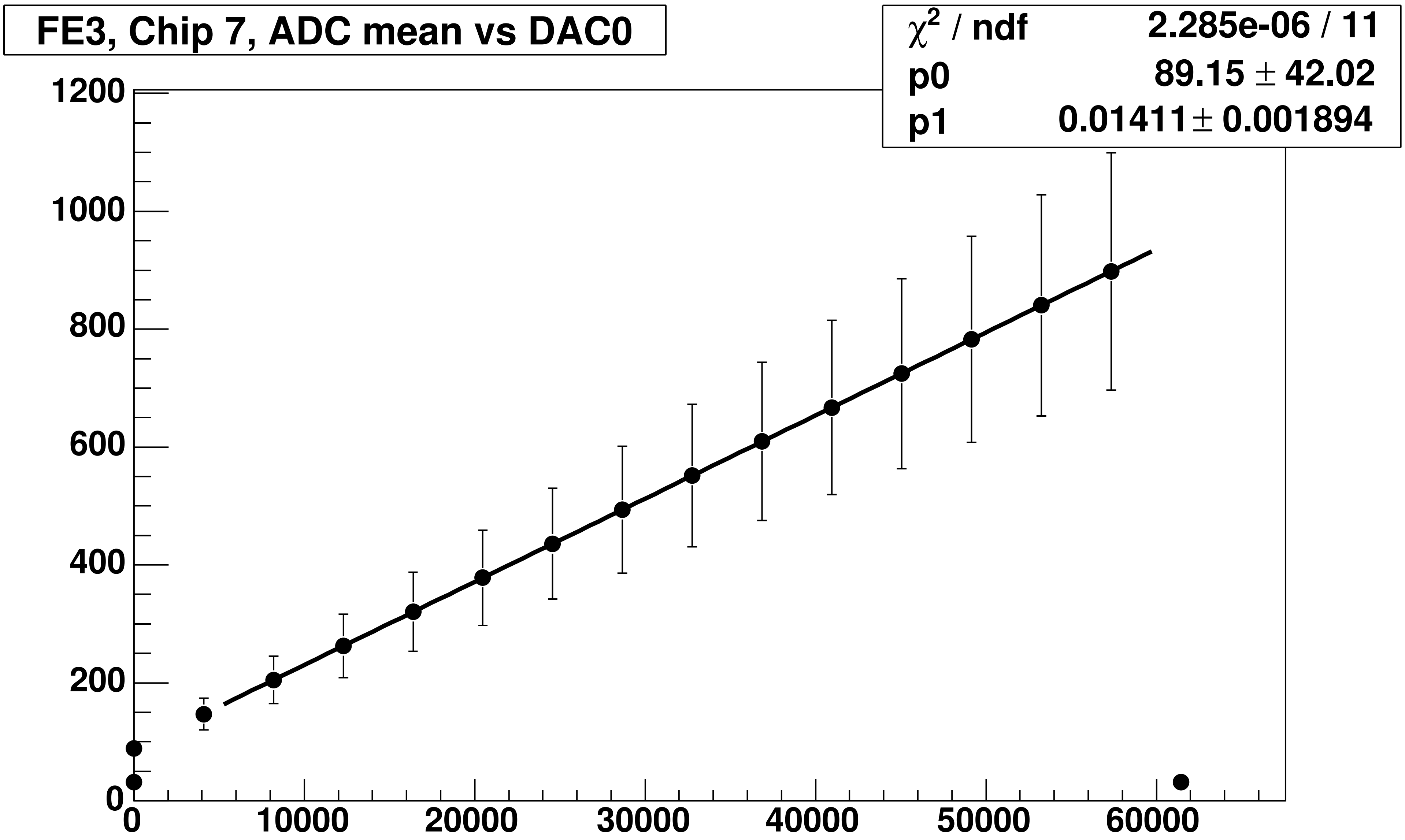

FE3, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE3, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.001027 / 11
p0 29.39 ± 31.14
p1 0.4375 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

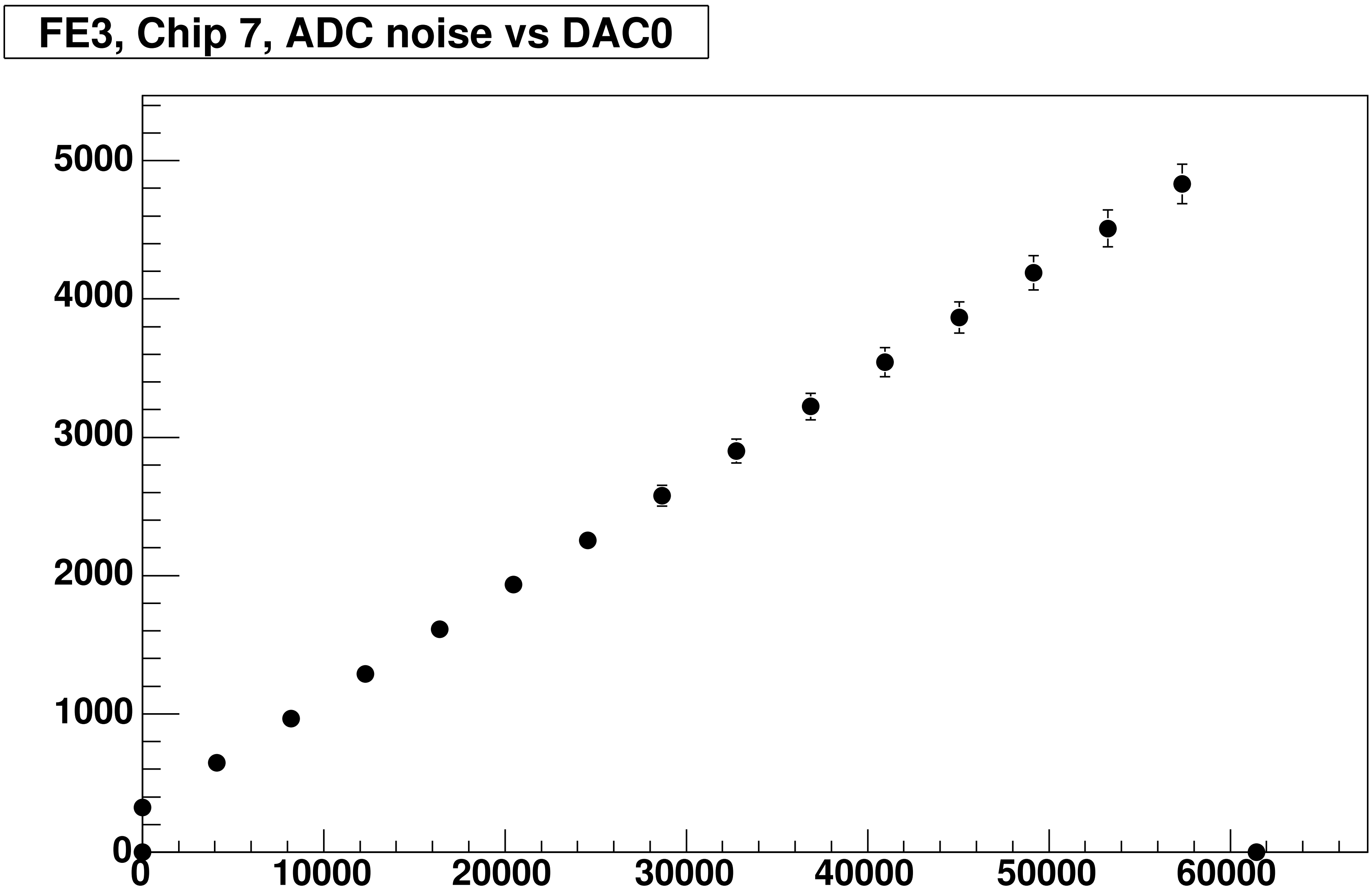

FE3, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

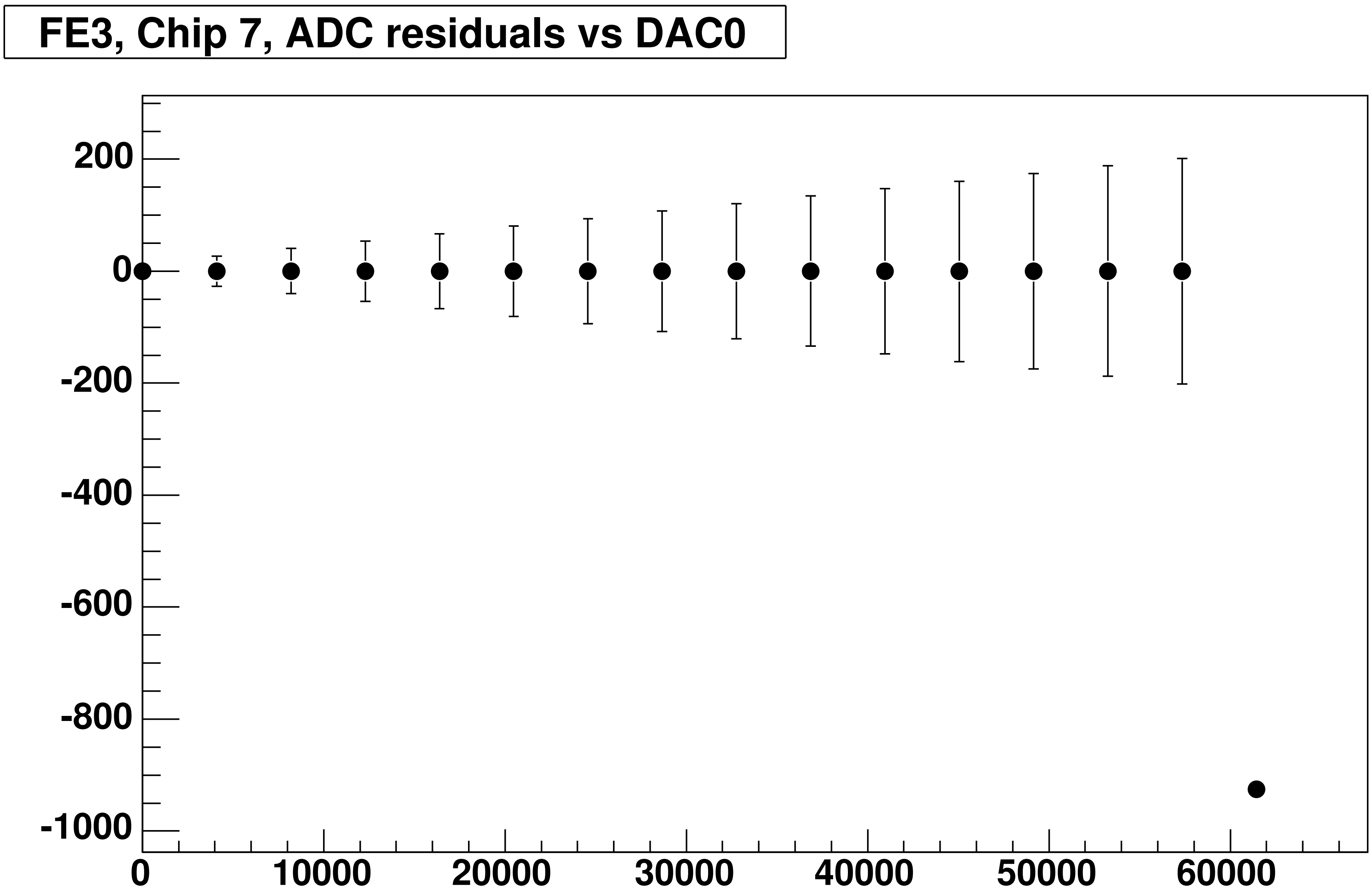


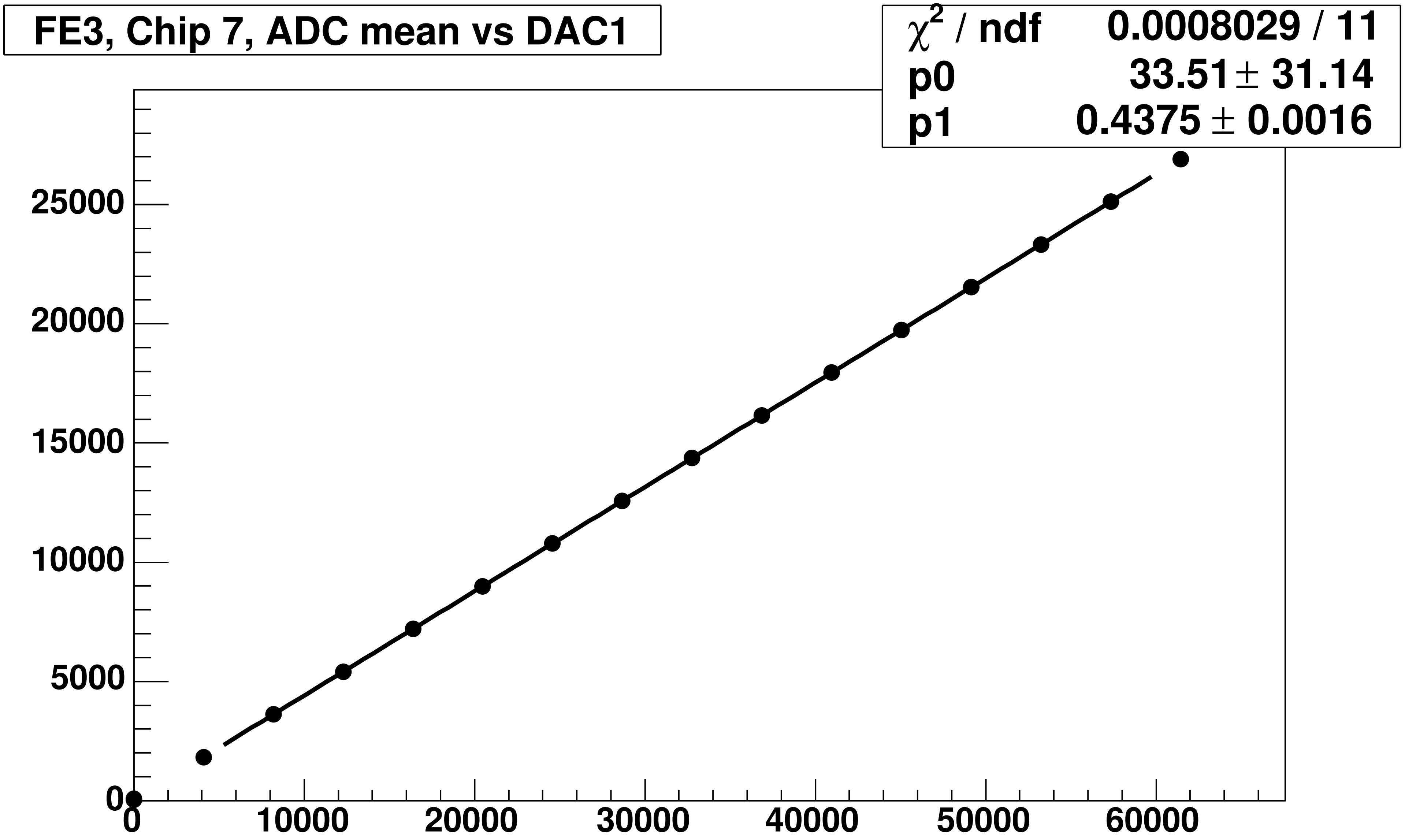
FE3, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



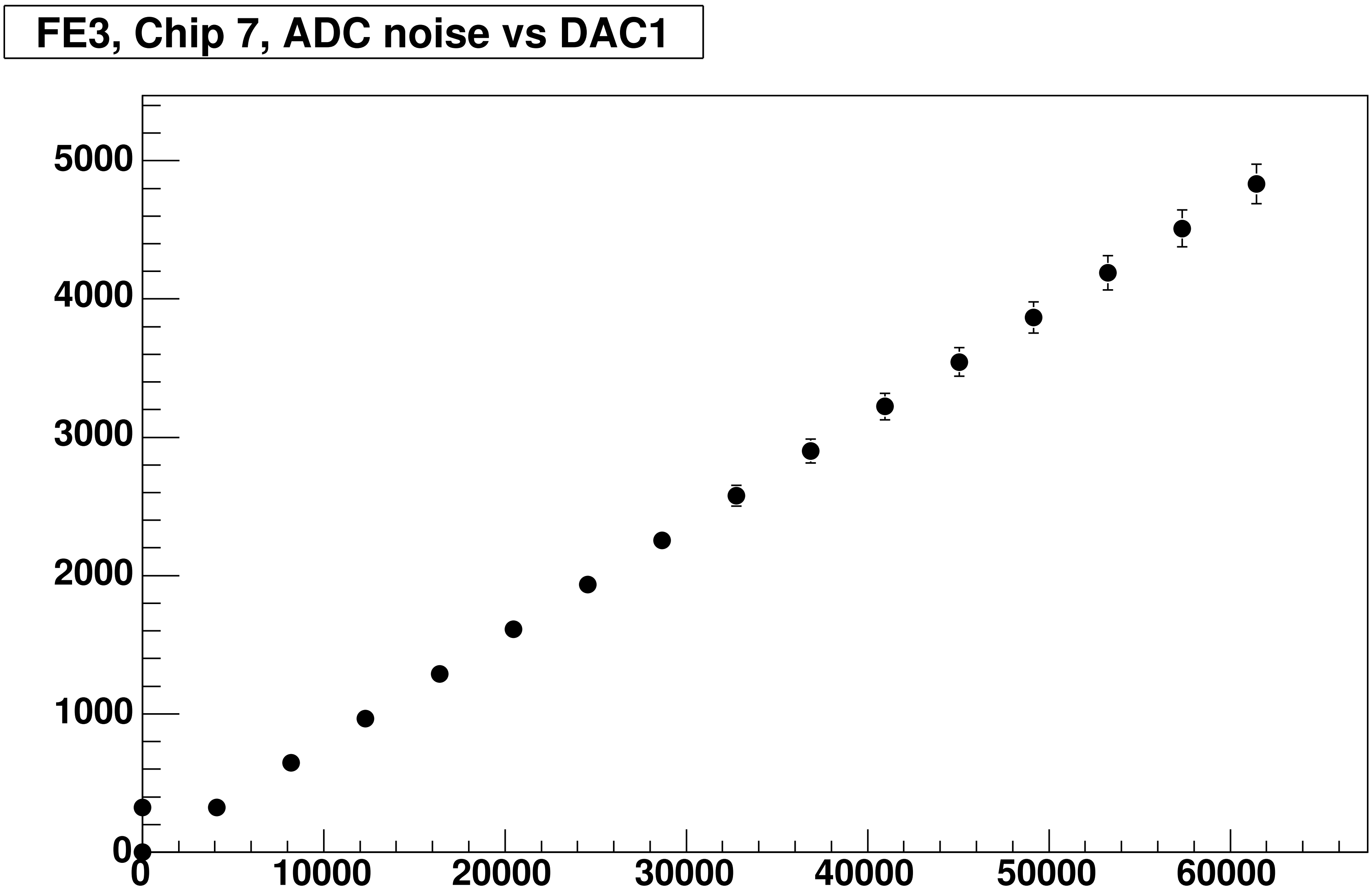
FE3, Chip 7, ADC mean vs DAC0
χ2 / ndf 2.285e-06 / 11
p0 89.15 ± 42.02
p1 0.01411 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

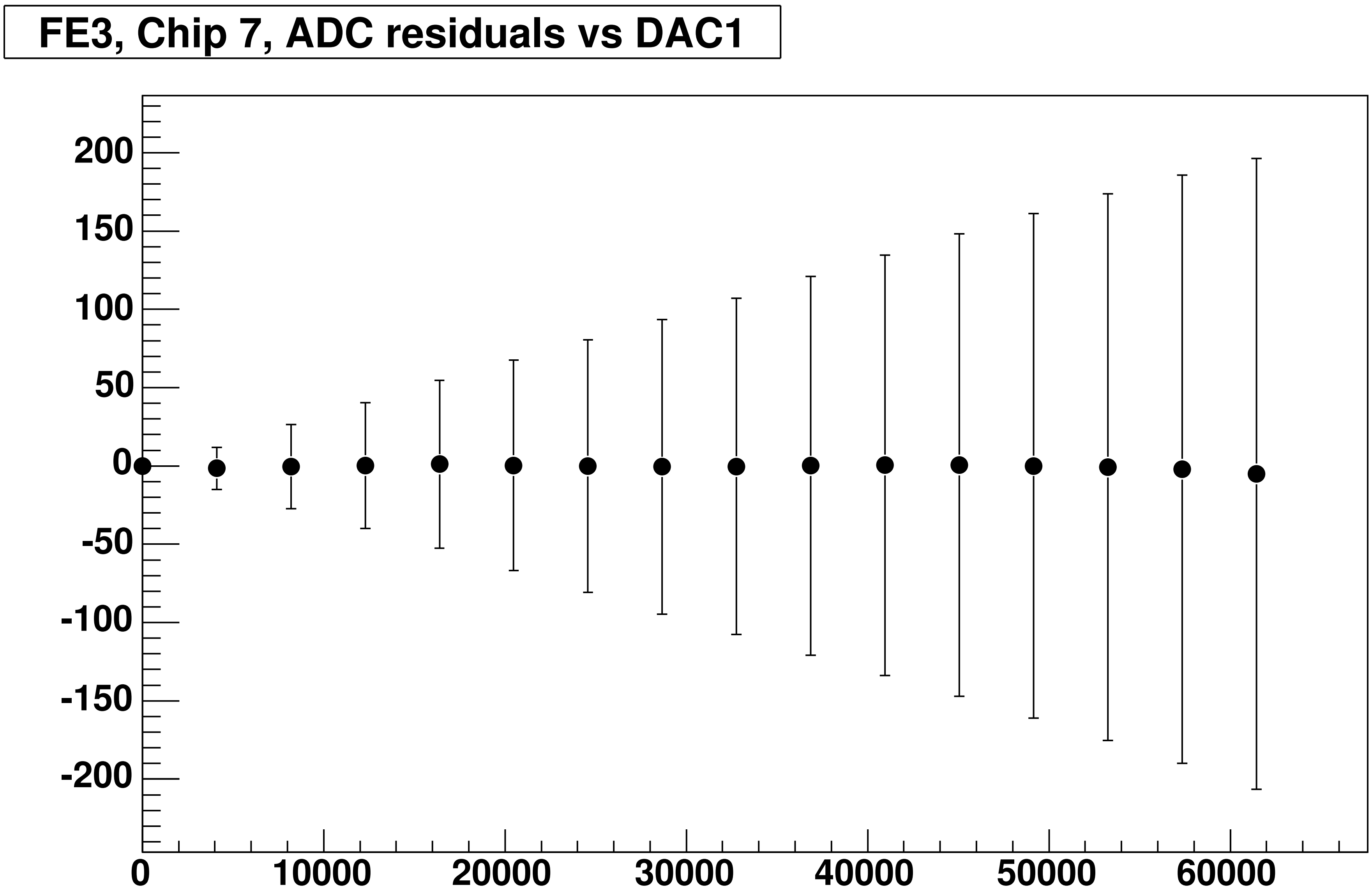

FE3, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

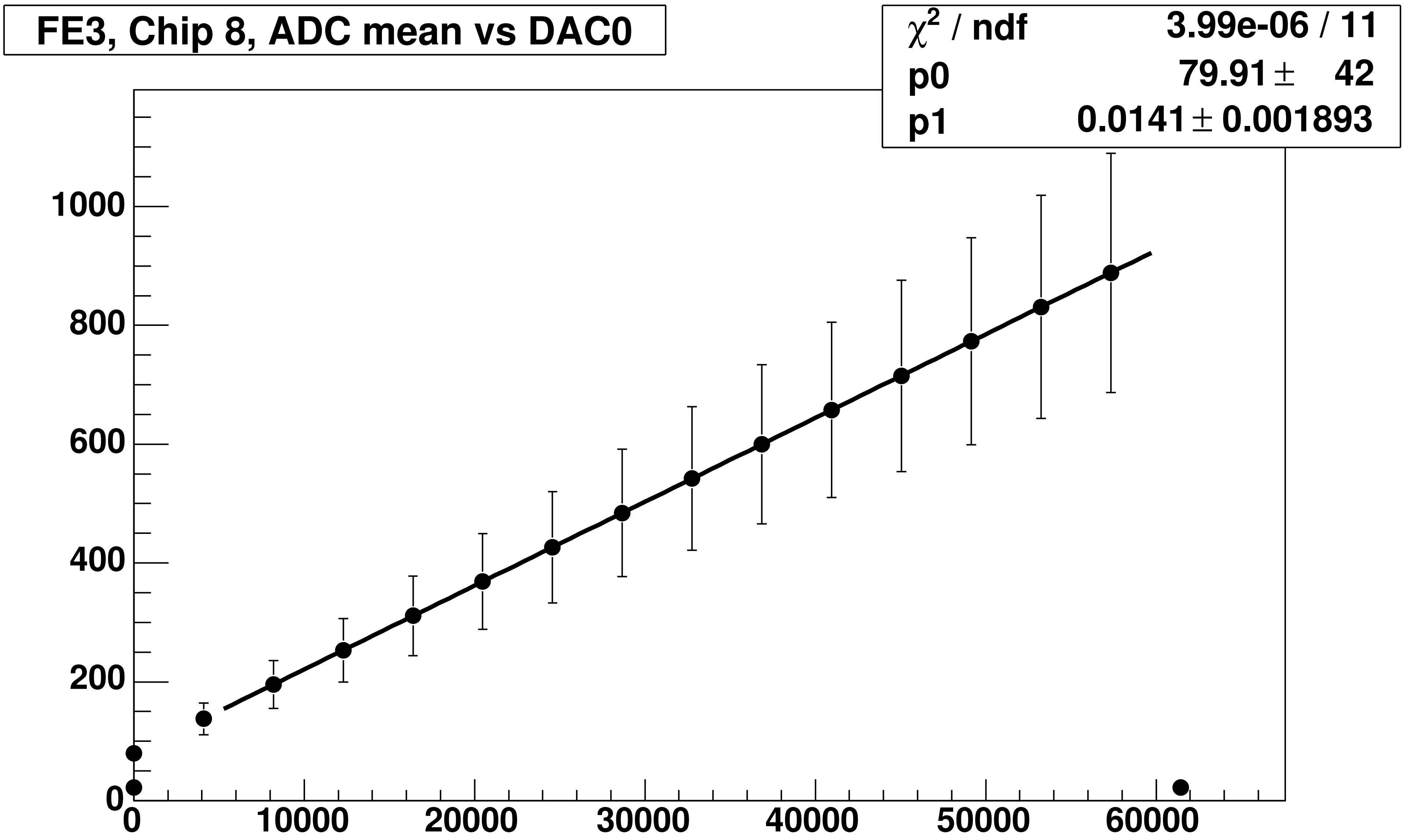

FE3, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

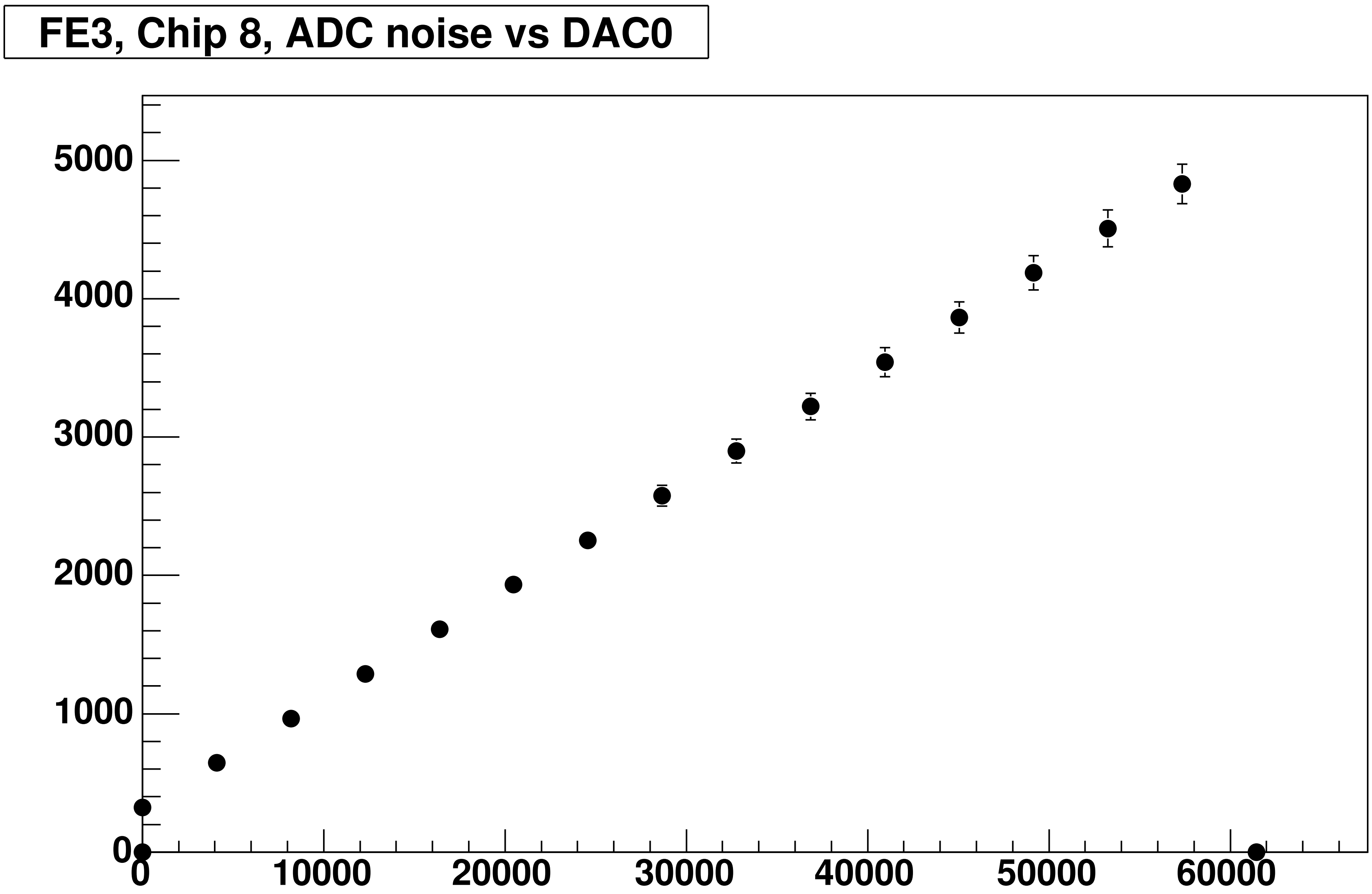


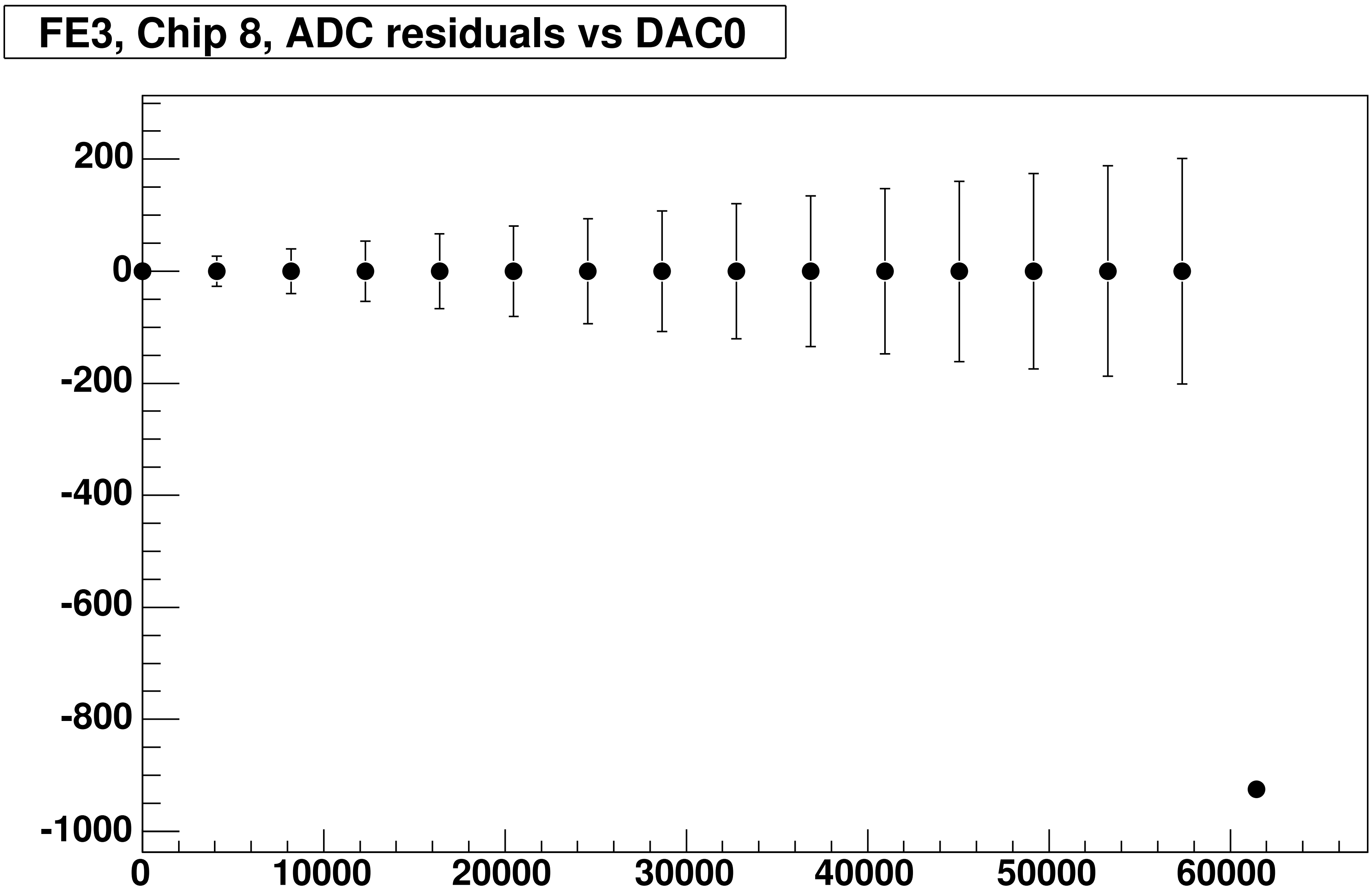
FE3, Chip 7, ADC mean vs DAC1
χ2 / ndf 0.0008029 / 11
p0 33.51 ± 31.14
p1 0.4375 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

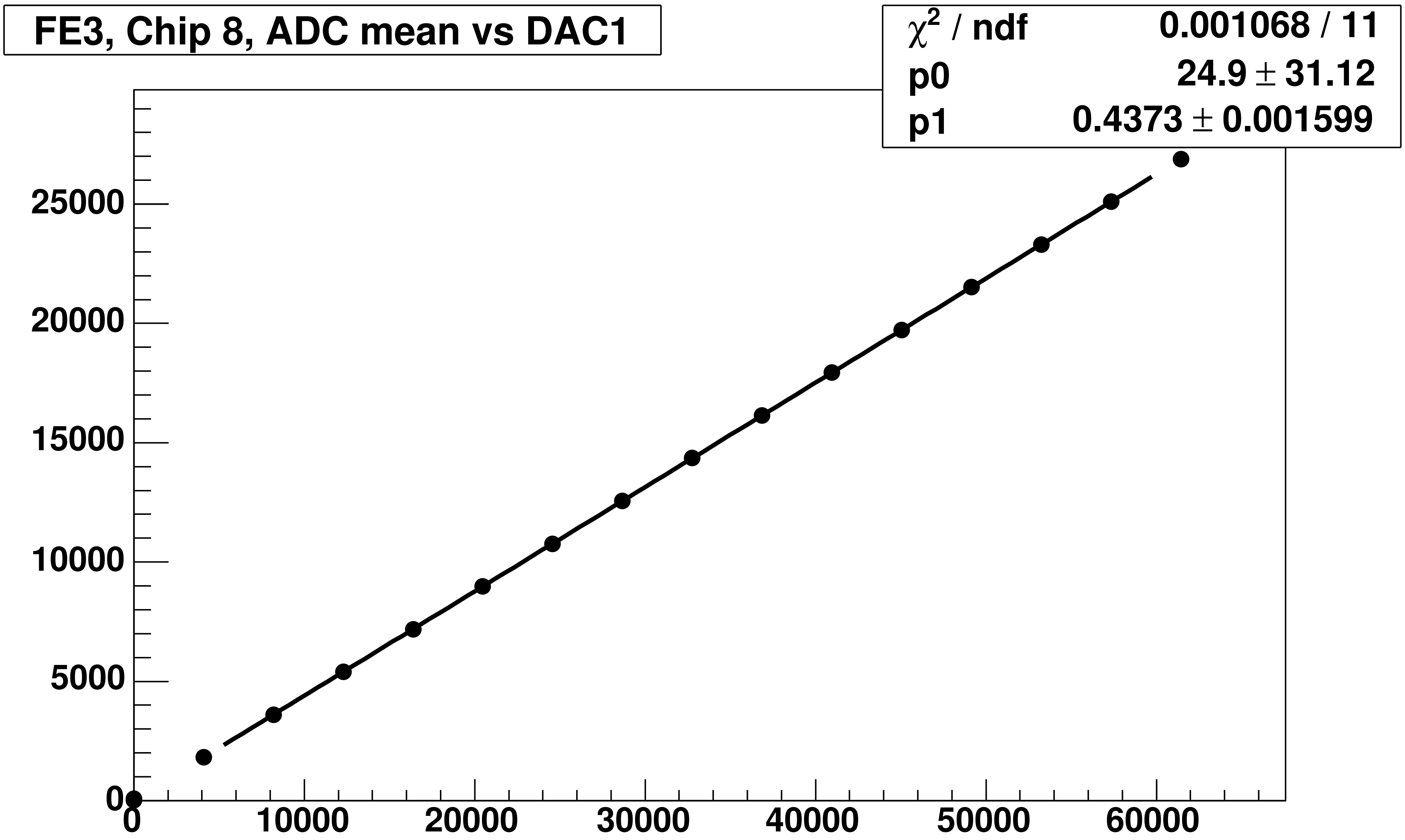

FE3, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

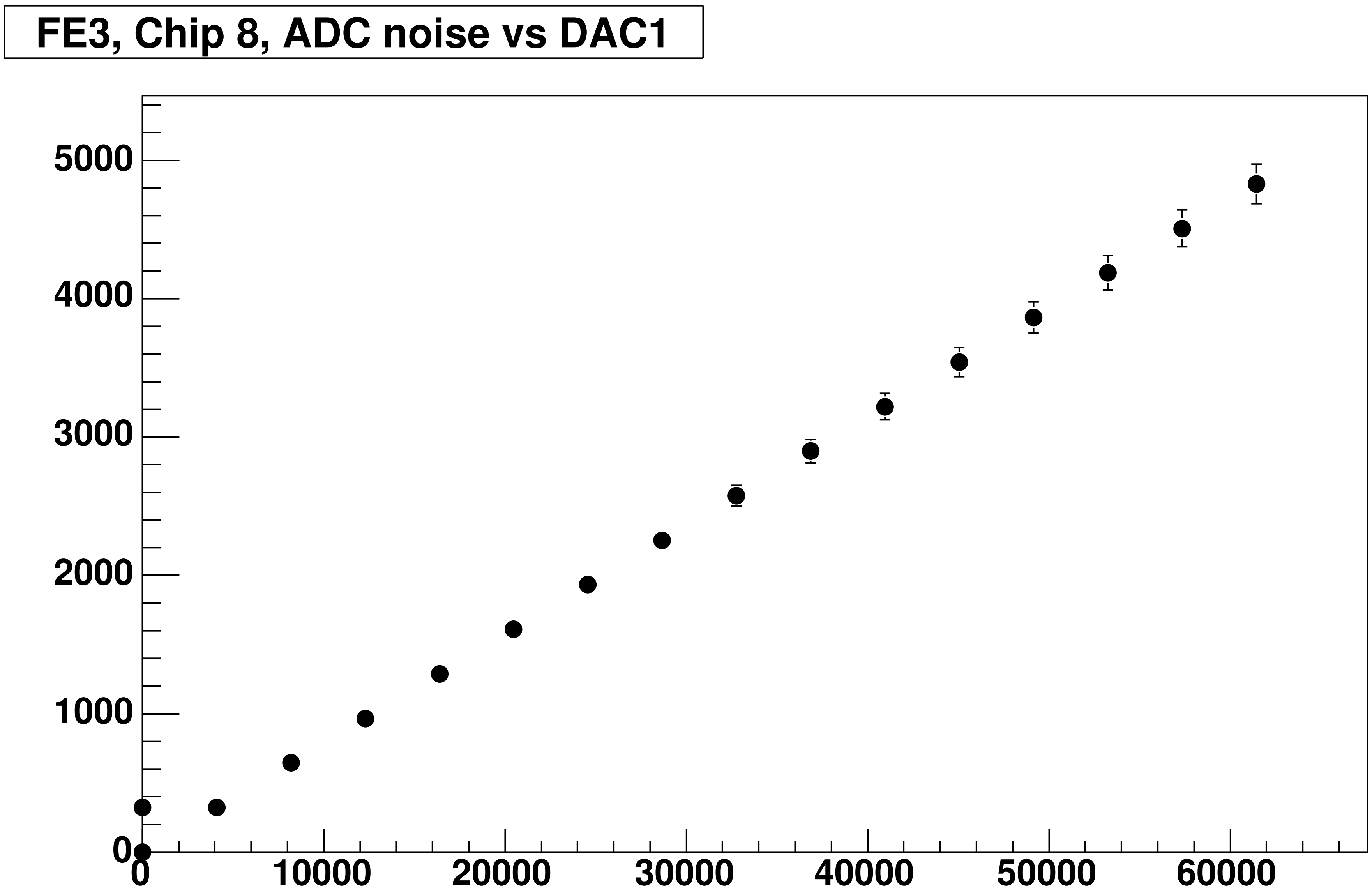

FE3, Chip 8, ADC mean vs DAC0
χ² / ndf 3.99e-06 / 11
p0 79.91 ± 42
p1 0.0141 ± 0.001893
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

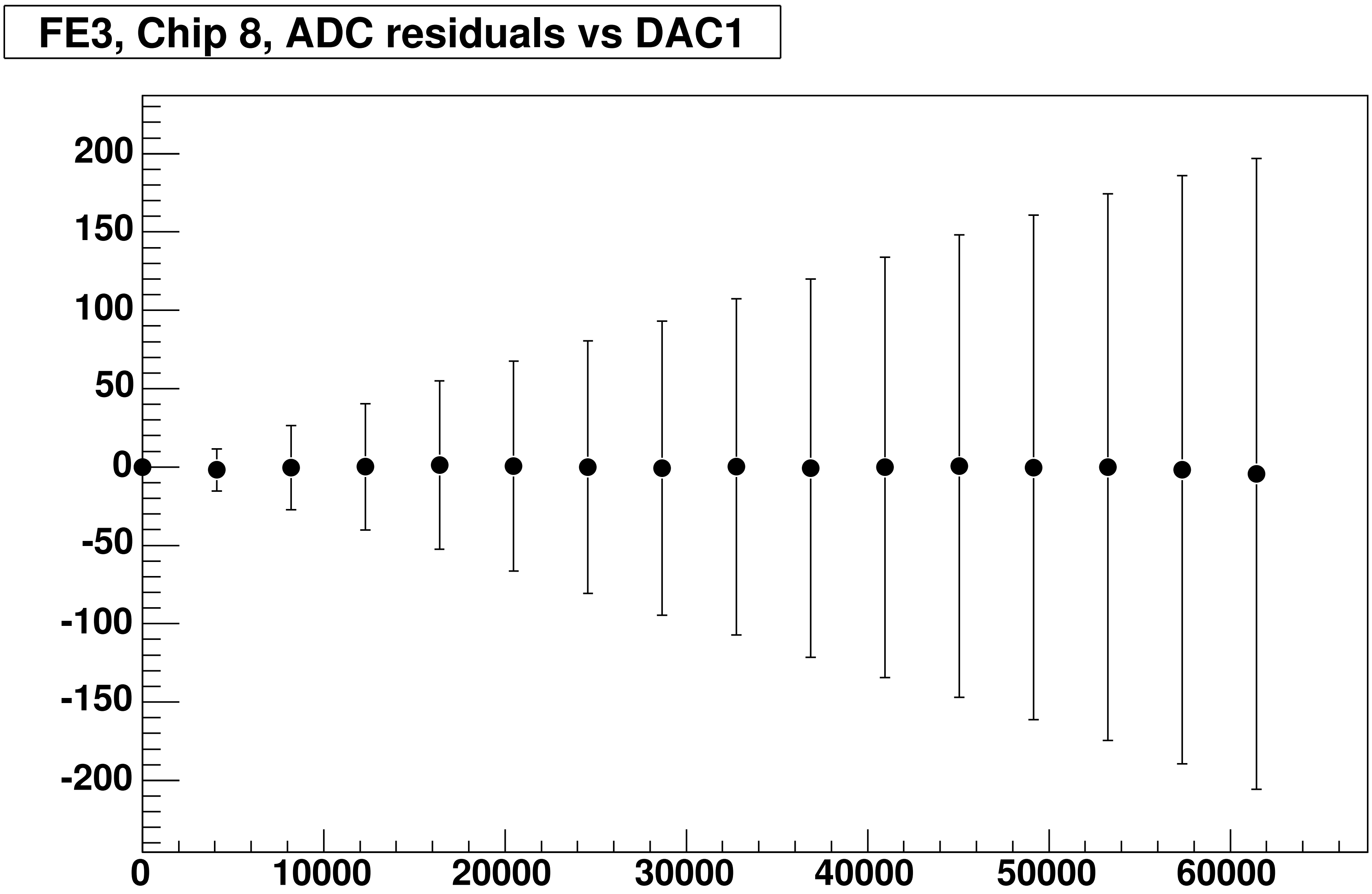

FE3, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

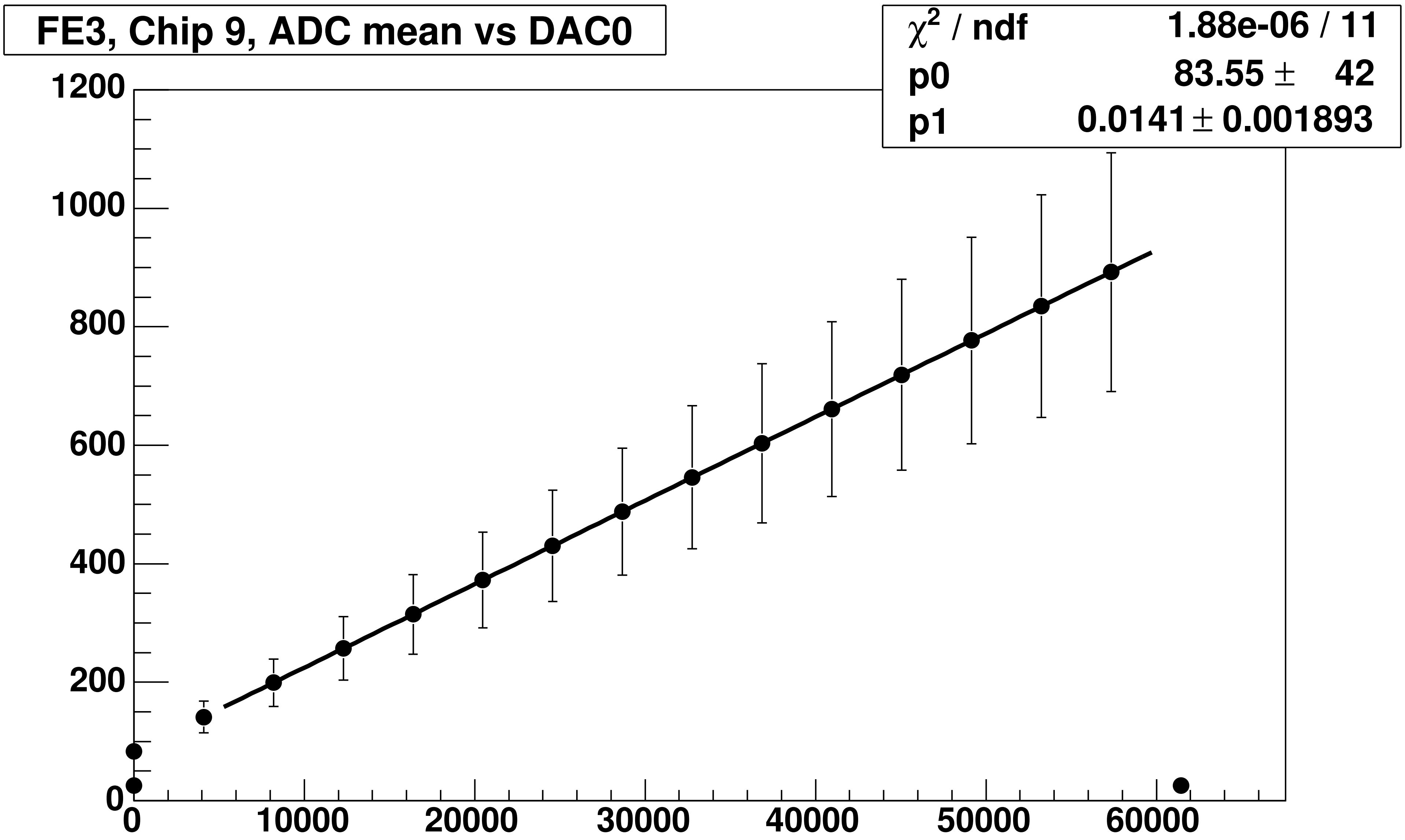

FE3, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

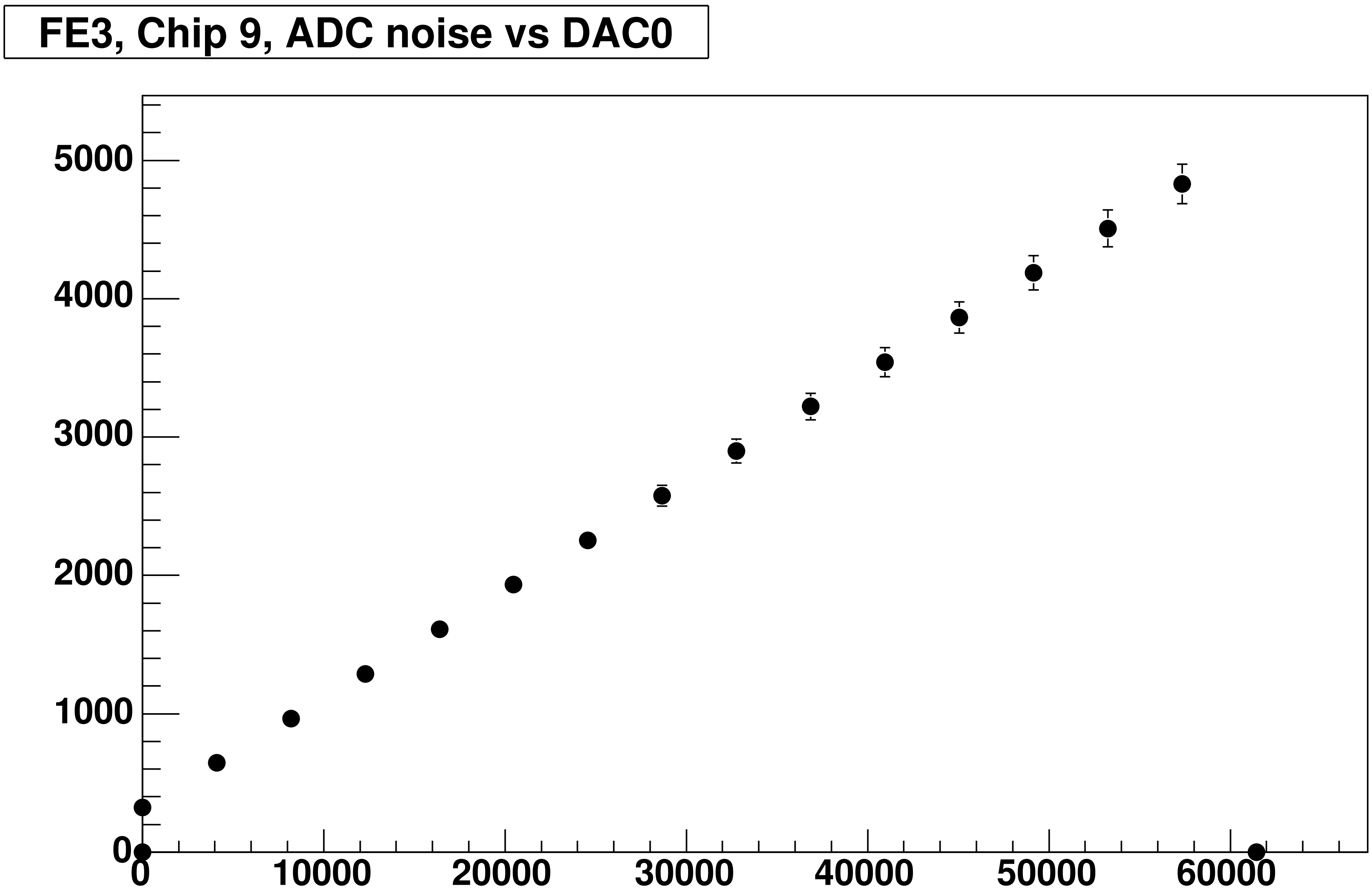


FE3, Chip 8, ADC mean vs DAC1
$\chi^2$ / ndf 0.001068 / 11
p0 24.9 ± 31.12
p1 0.4373 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

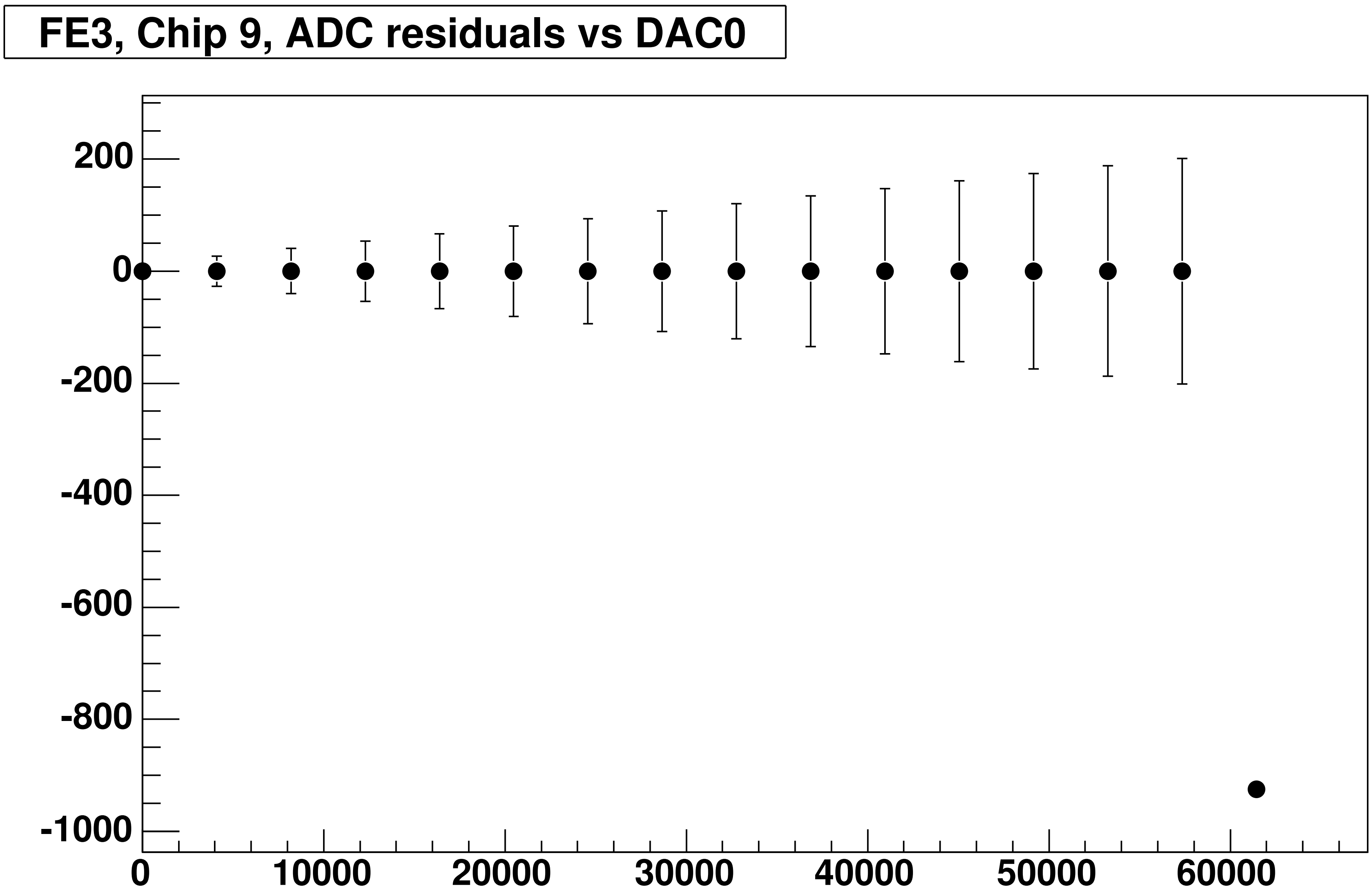

FE3, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

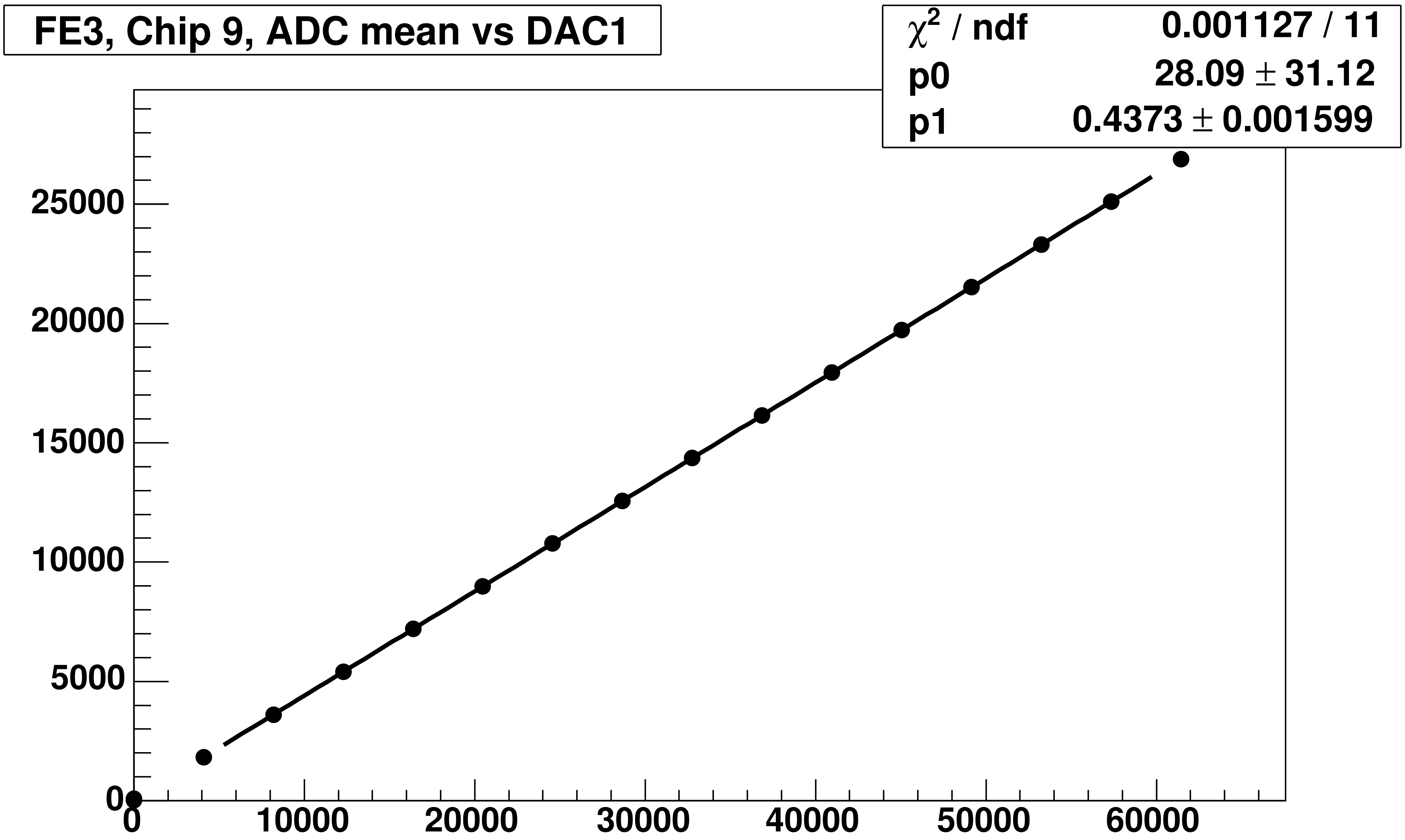

FE3, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

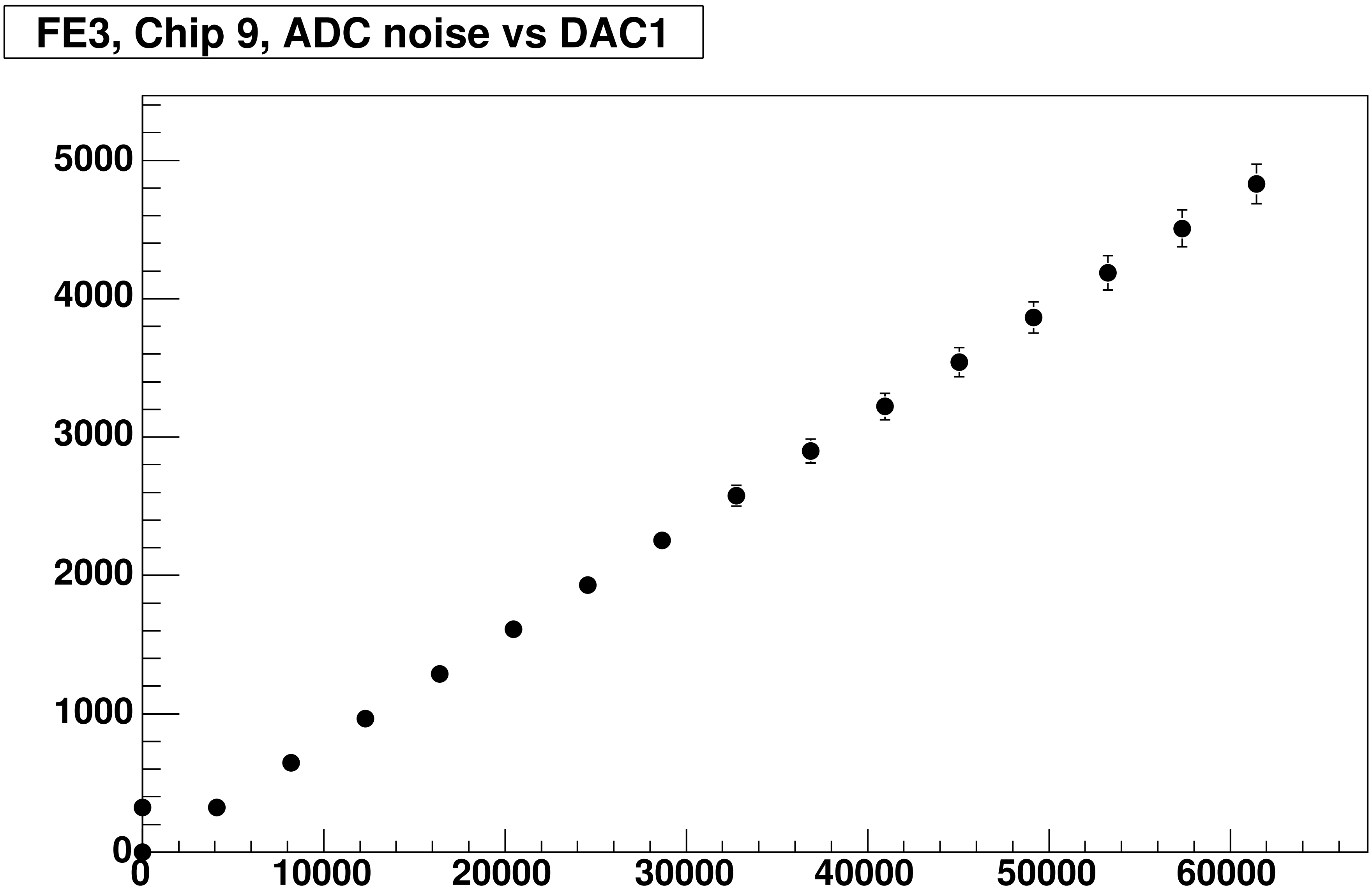

FE3, Chip 9, ADC mean vs DAC0
$\chi^2$ / ndf 1.88e-06 / 11
p0 83.55 ± 42
p1 0.0141 ± 0.001893
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

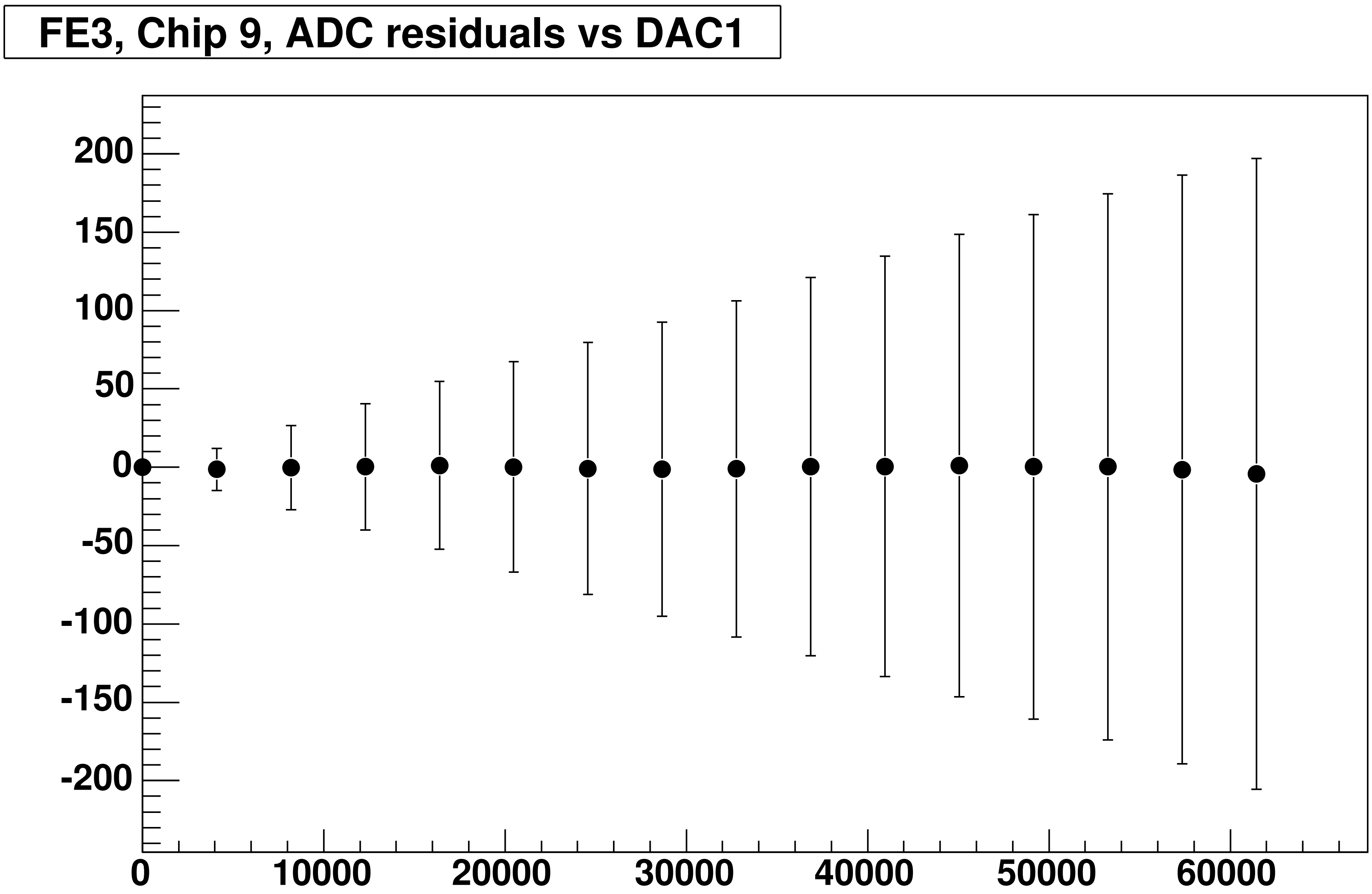


FE3, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

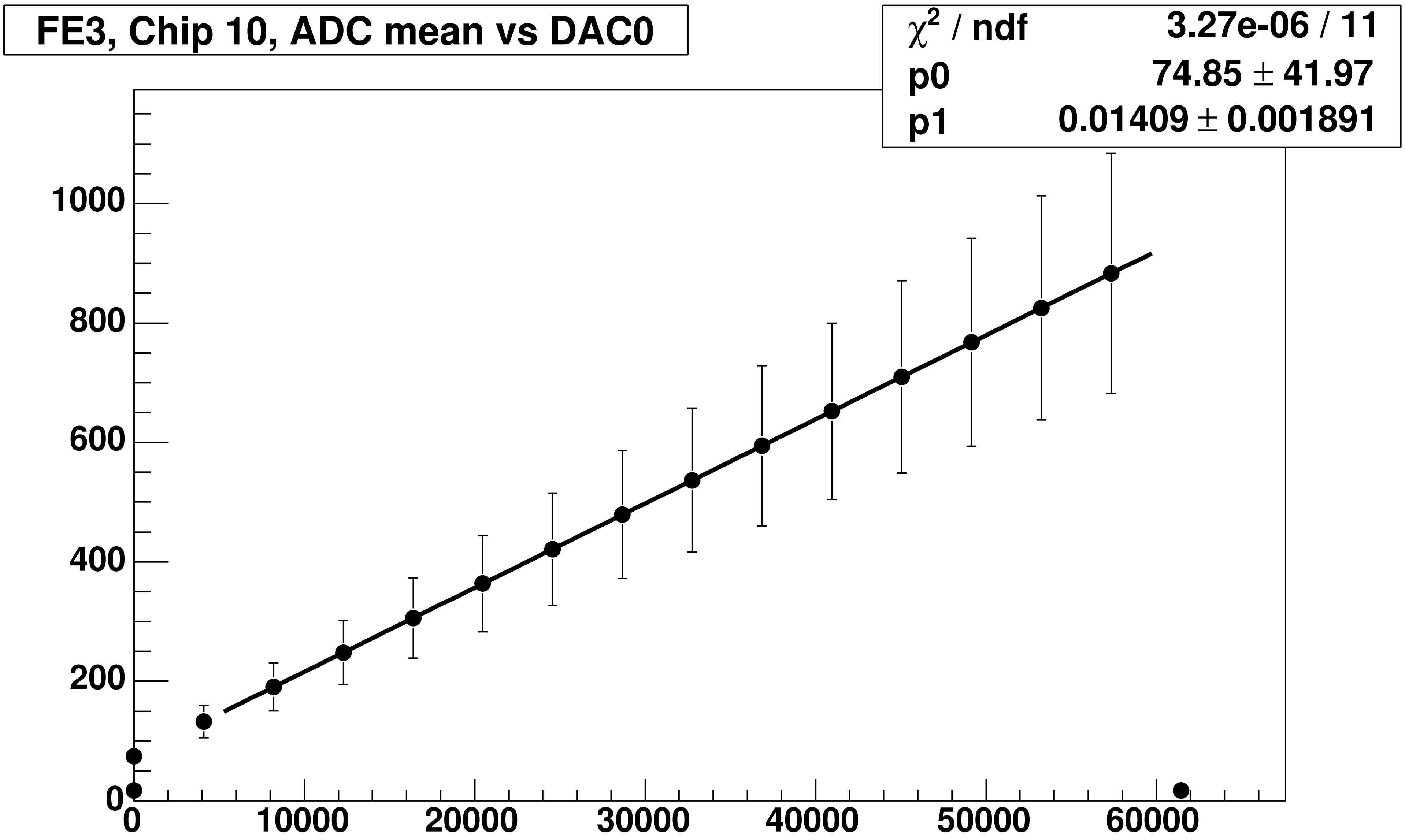

FE3, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE3, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.001127 / 11
p0 28.09 ± 31.12
p1 0.4373 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

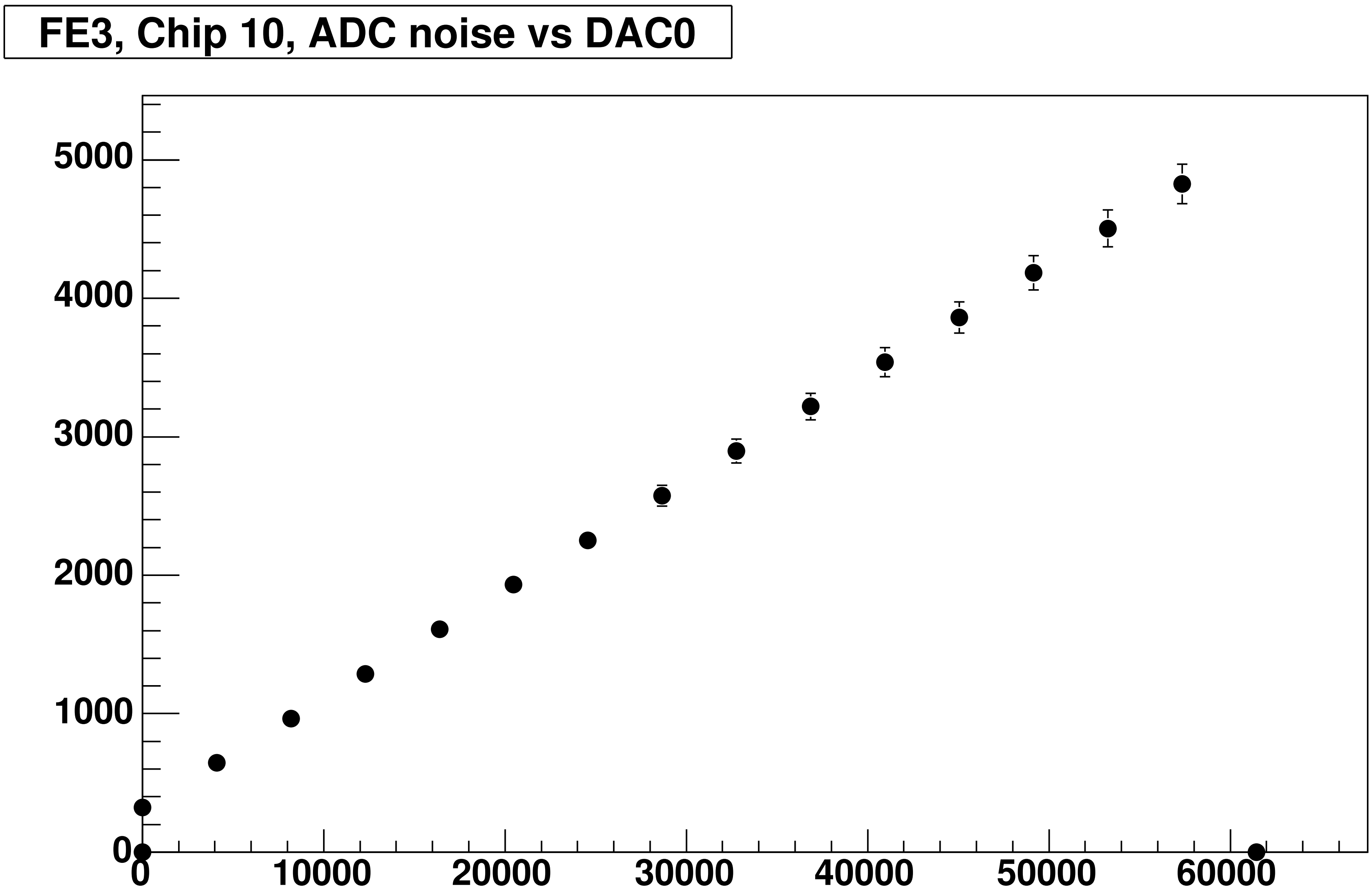

FE3, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

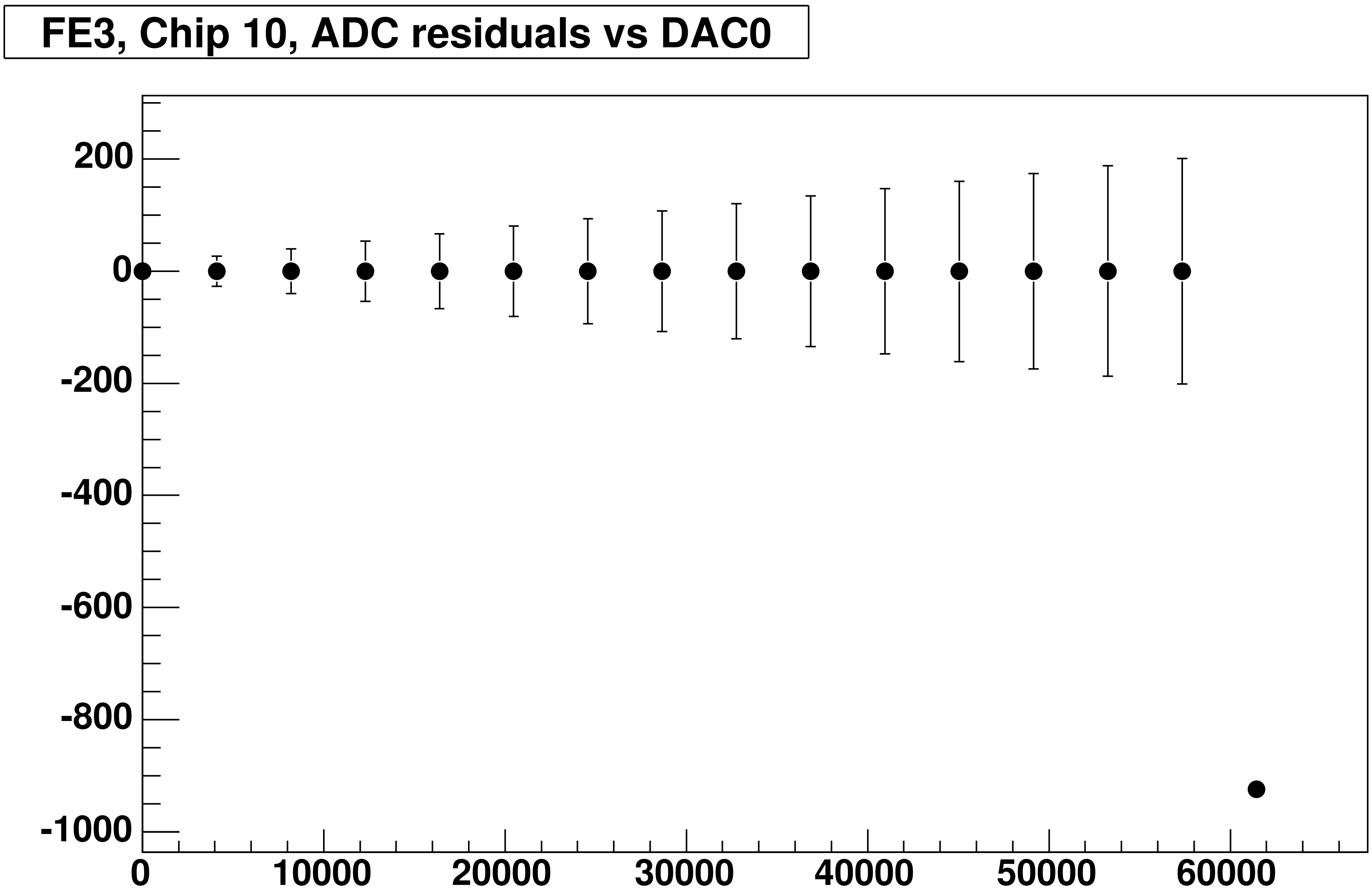


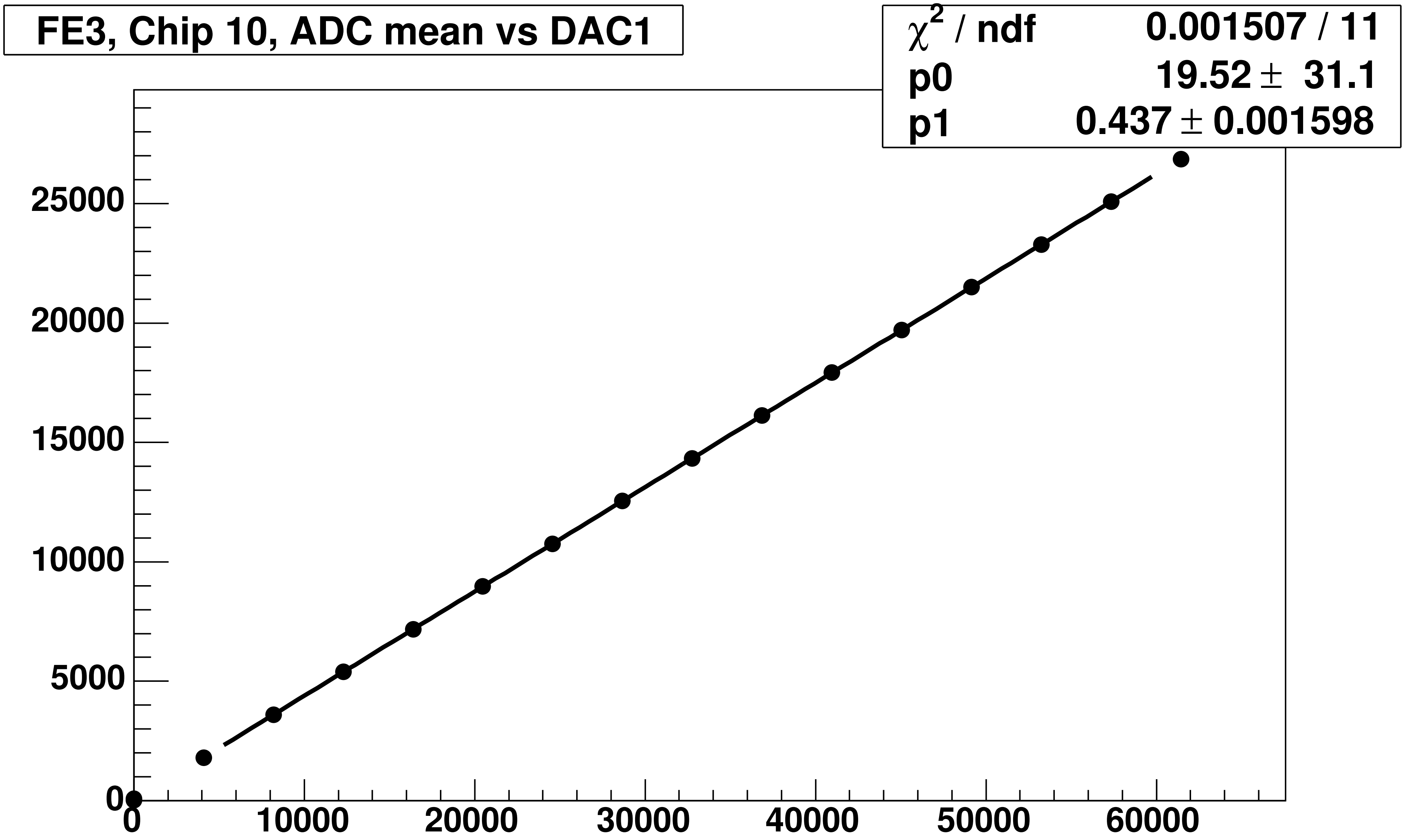
FE3, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



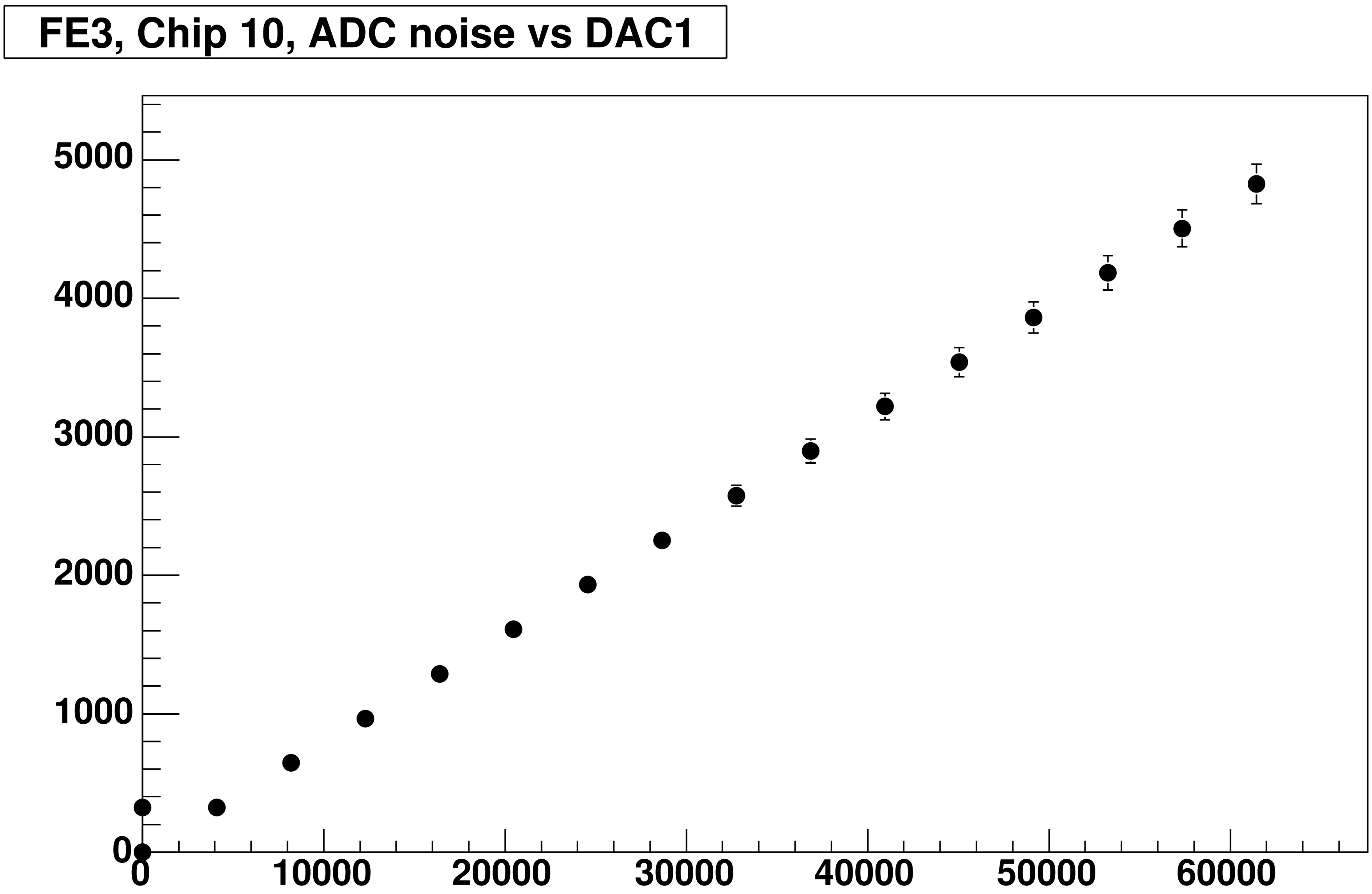
FE3, Chip 10, ADC mean vs DAC0
χ2 / ndf 3.27e-06 / 11
p0 74.85 ± 41.97
p1 0.01409 ± 0.001891
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

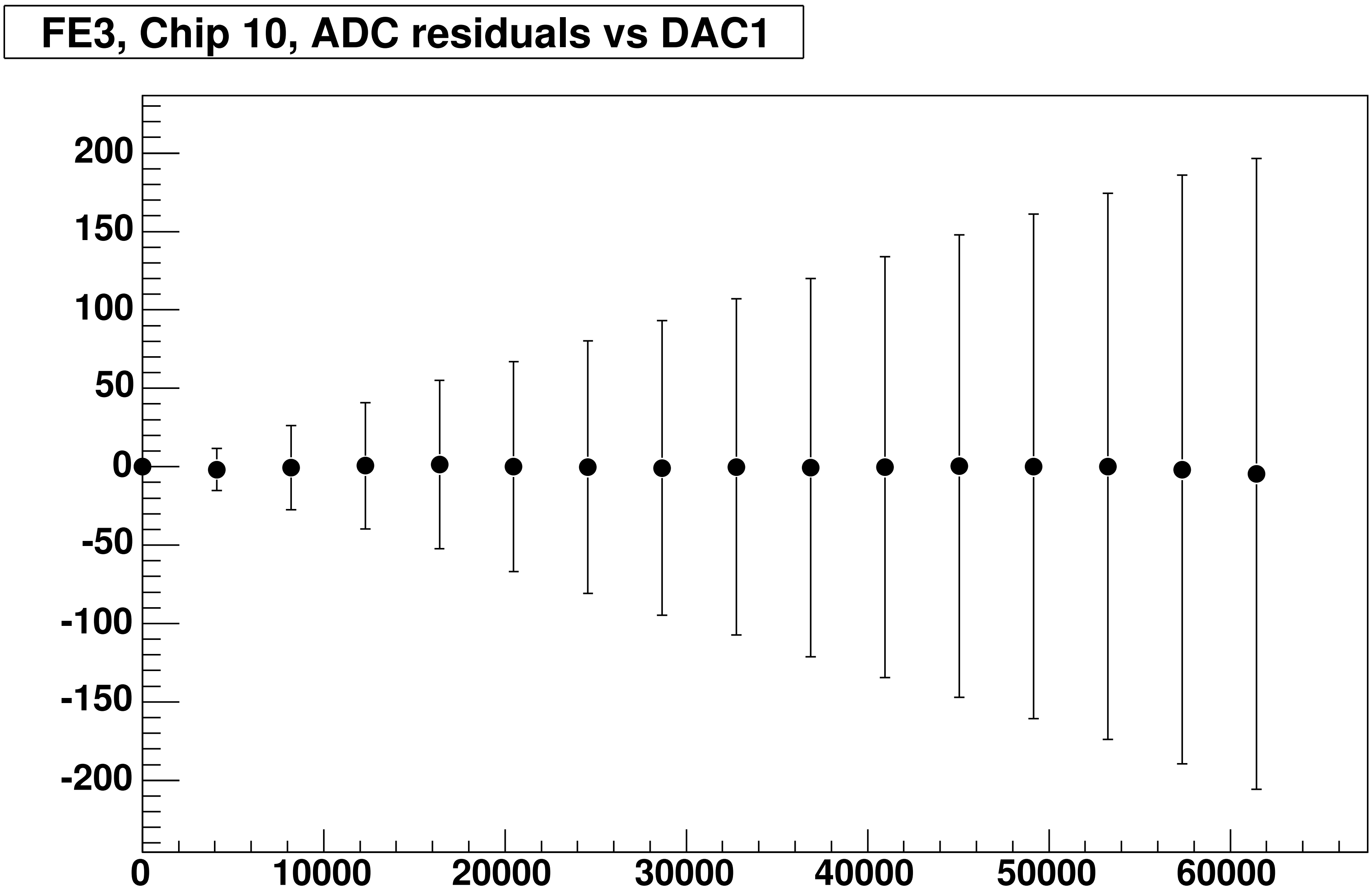

FE3, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

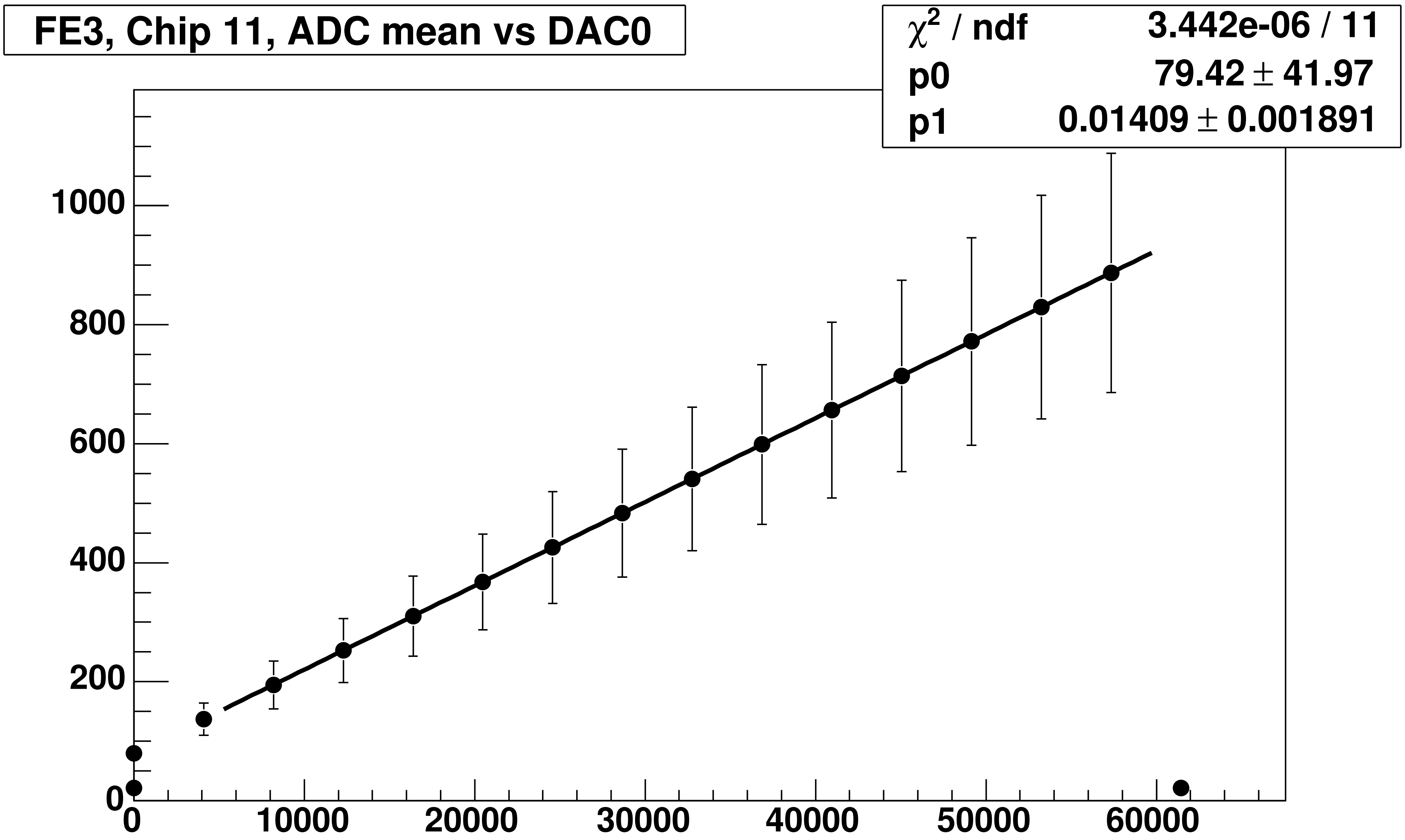

FE3, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



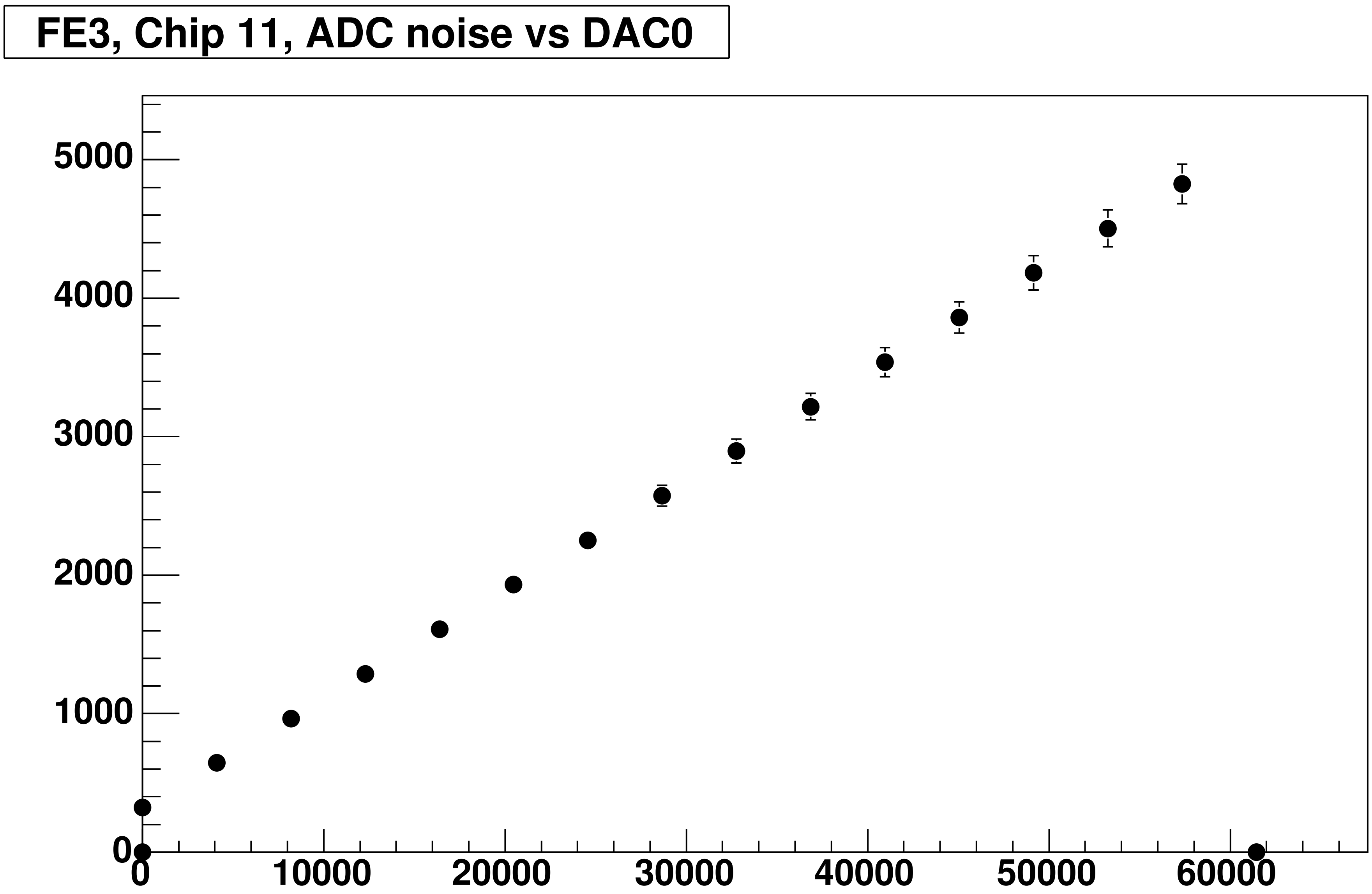
FE3, Chip 10, ADC mean vs DAC1
χ² / ndf 0.001507 / 11
p0 19.52 ± 31.1
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

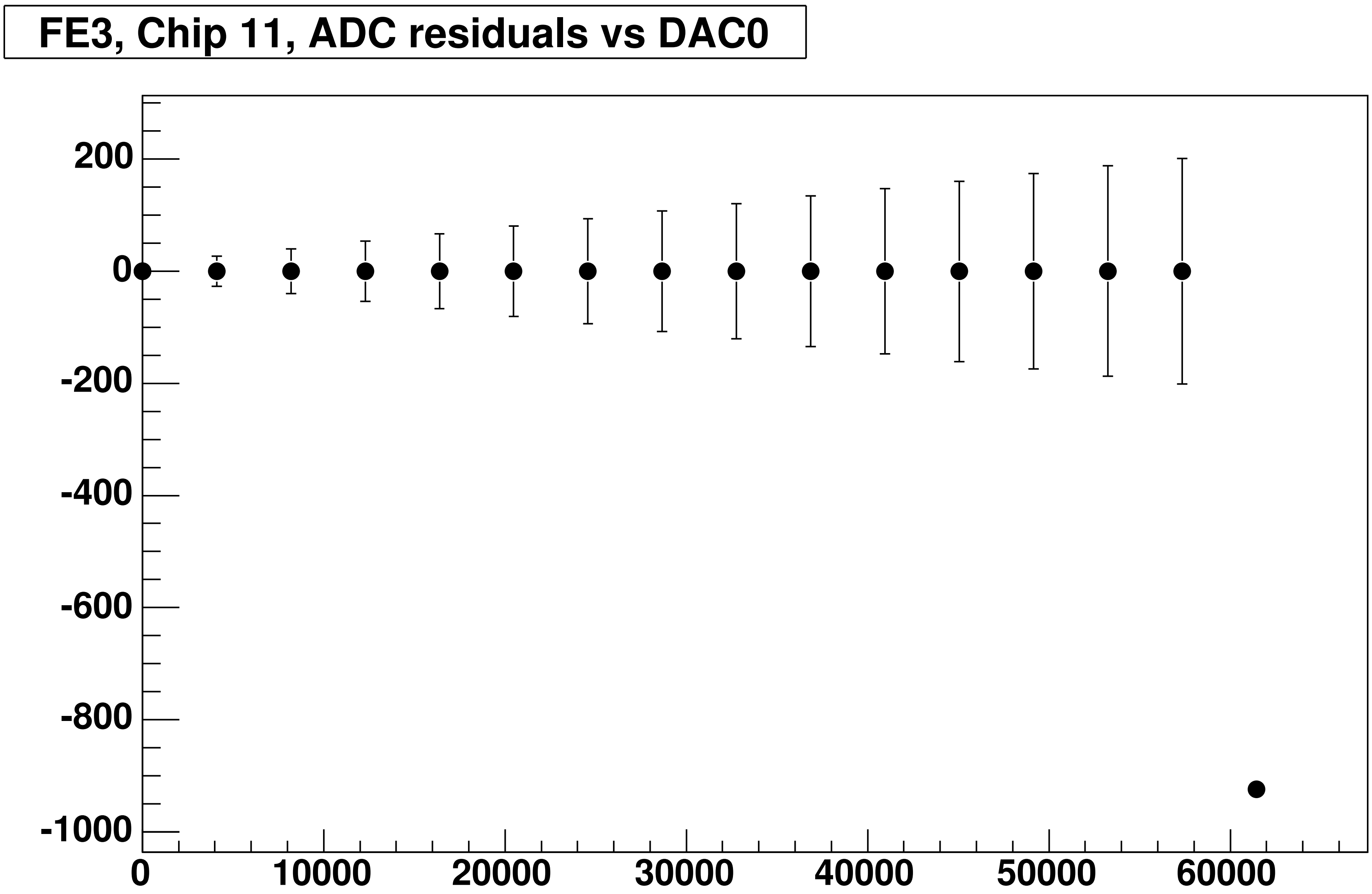

FE3, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

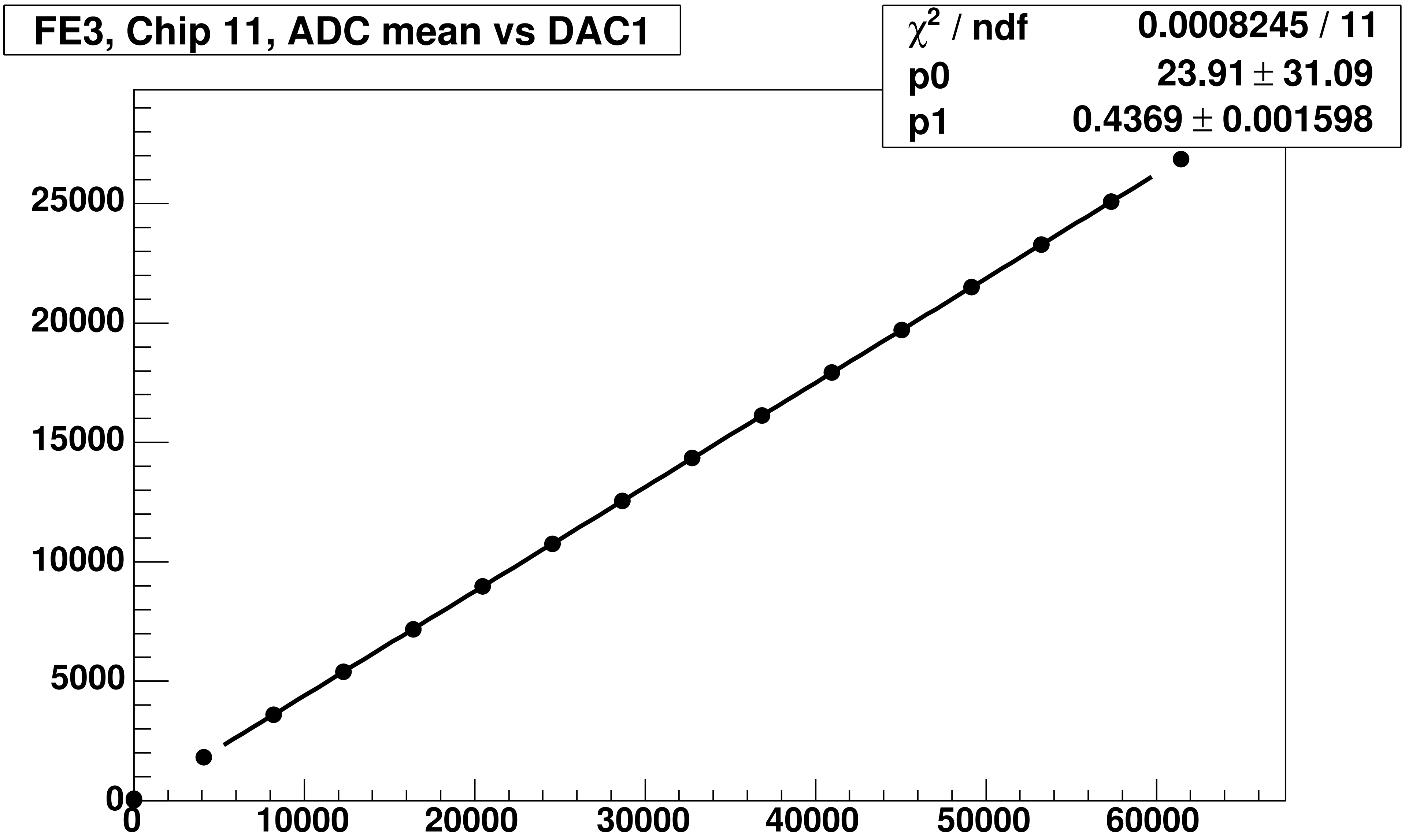

FE3, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



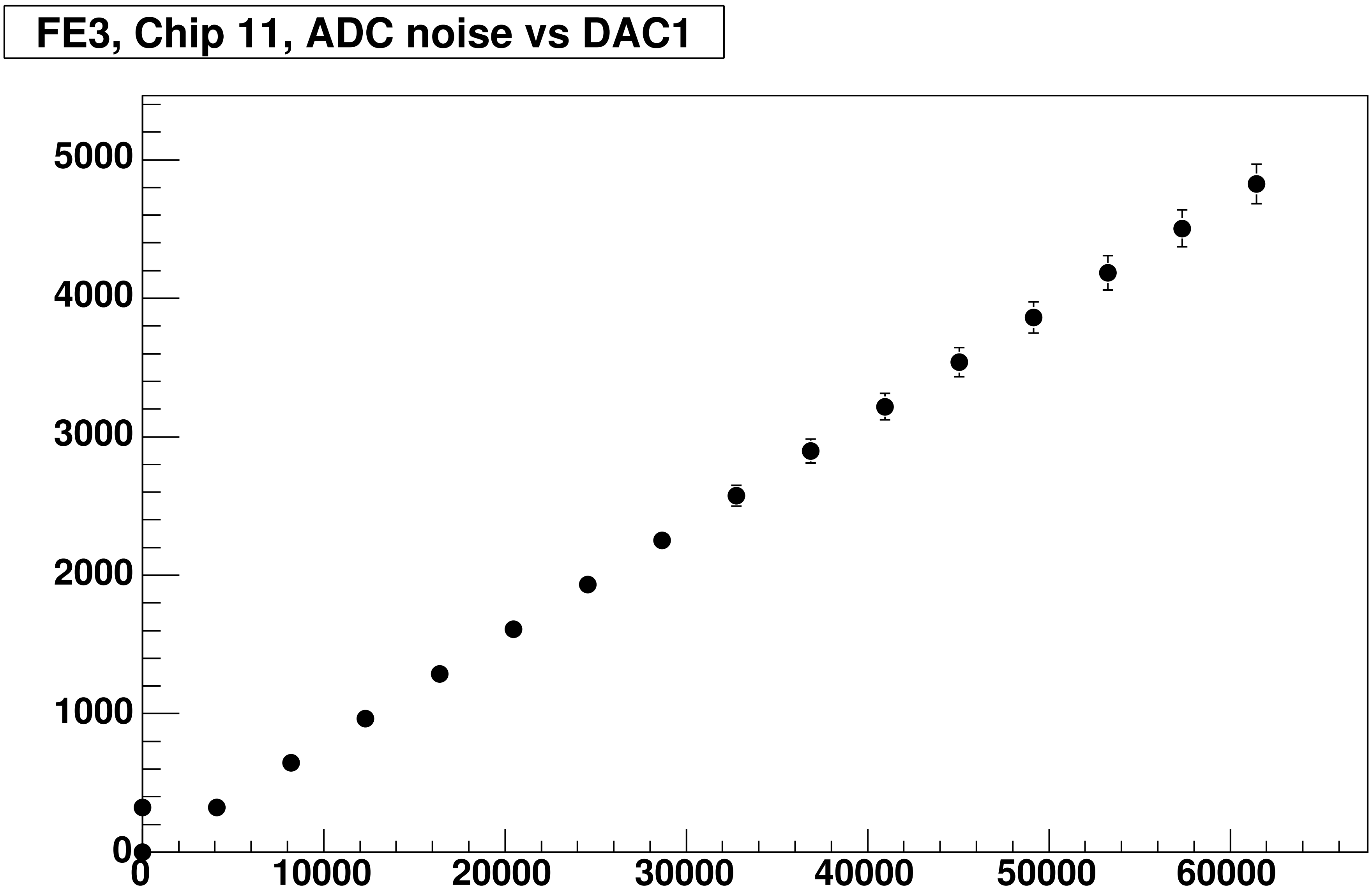
FE3, Chip 11, ADC mean vs DAC0
$\chi^2$ / ndf 3.442e-06 / 11
p0 79.42 ± 41.97
p1 0.01409 ± 0.001891
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

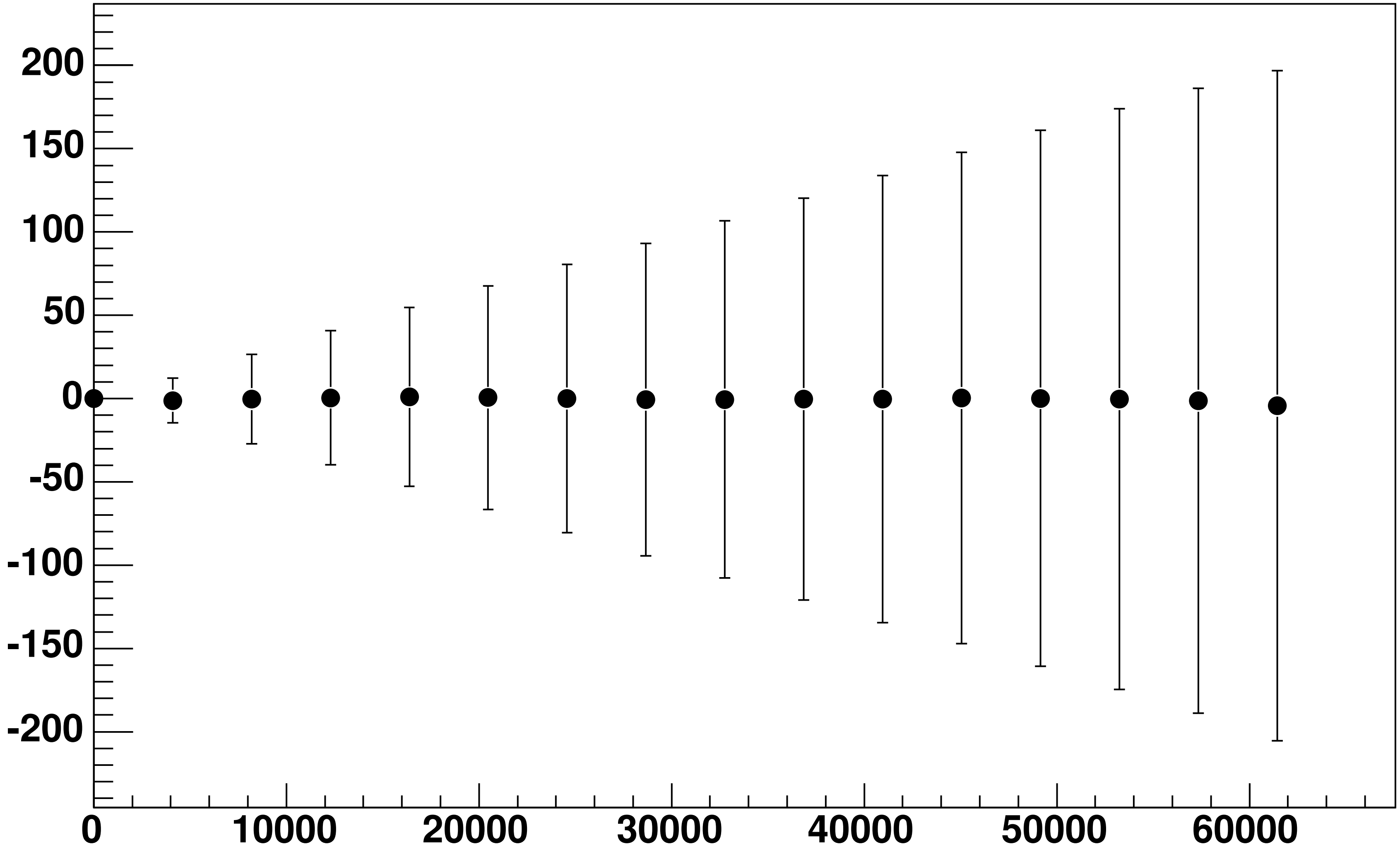

FE3, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

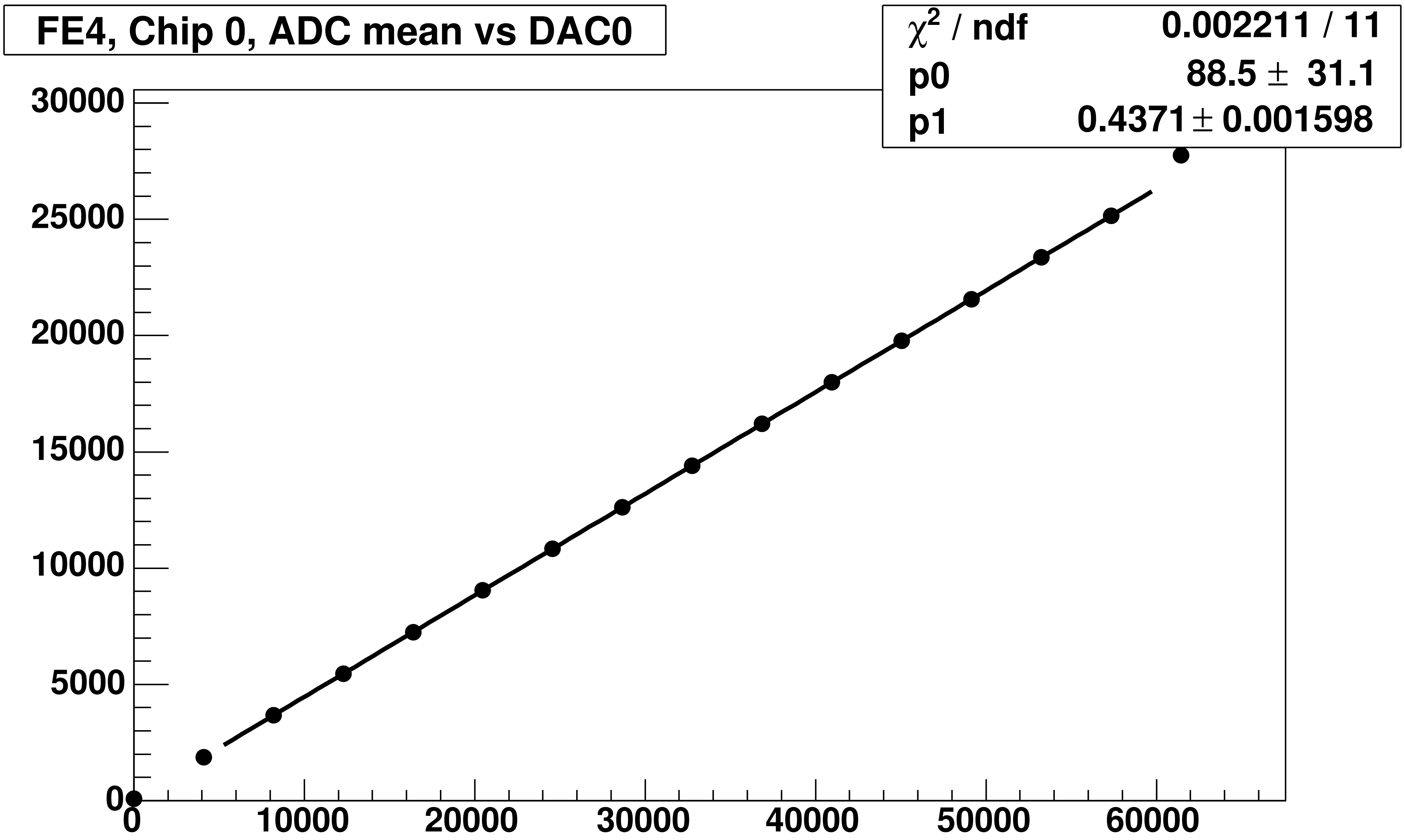


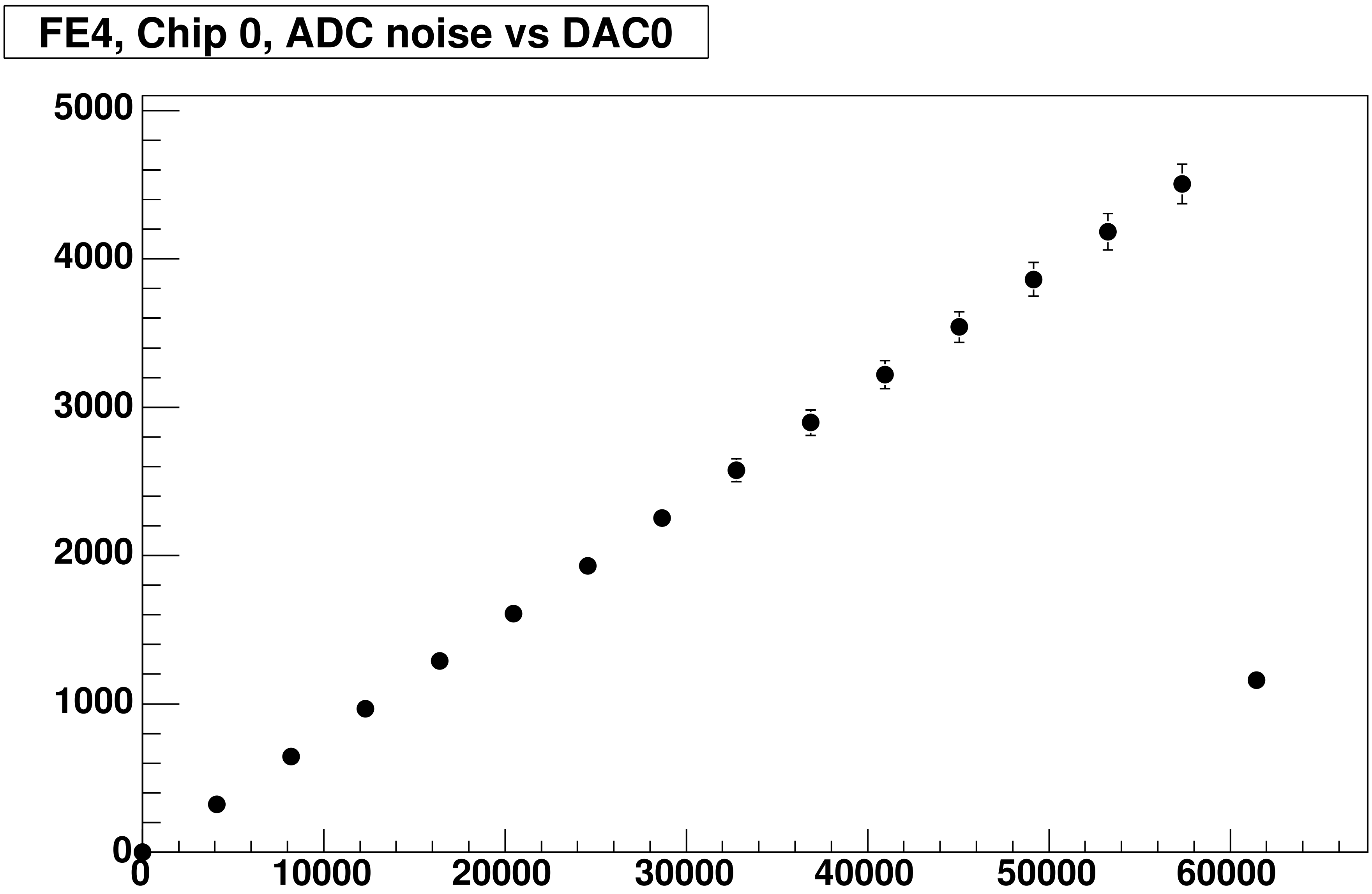
FE3, Chip 11, ADC mean vs DAC1
$\chi^2$ / ndf 0.0008245 / 11
p0 23.91 ± 31.09
p1 0.4369 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

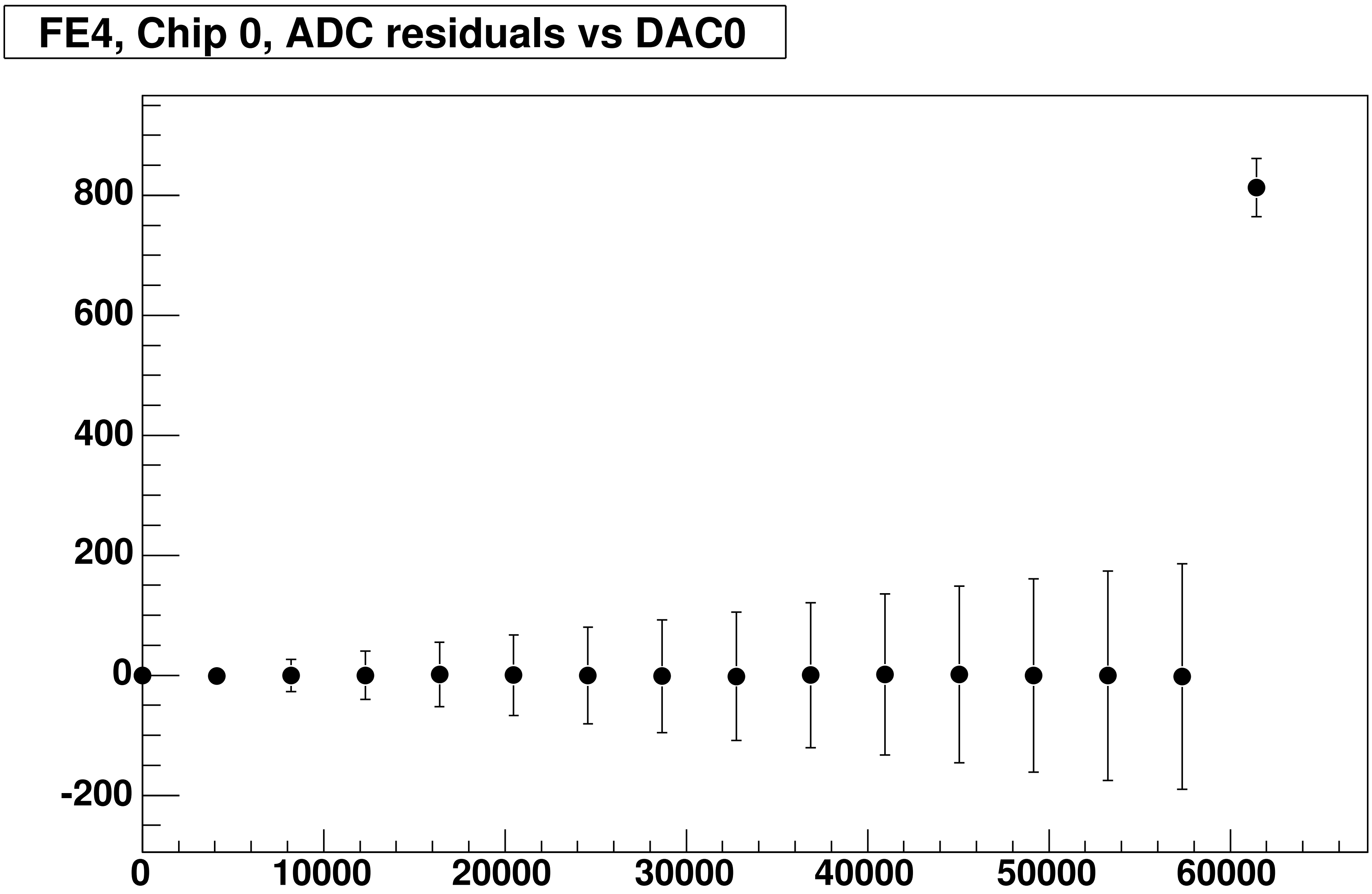

FE3, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

FE3, Chip 11, ADC residuals vs DAC1

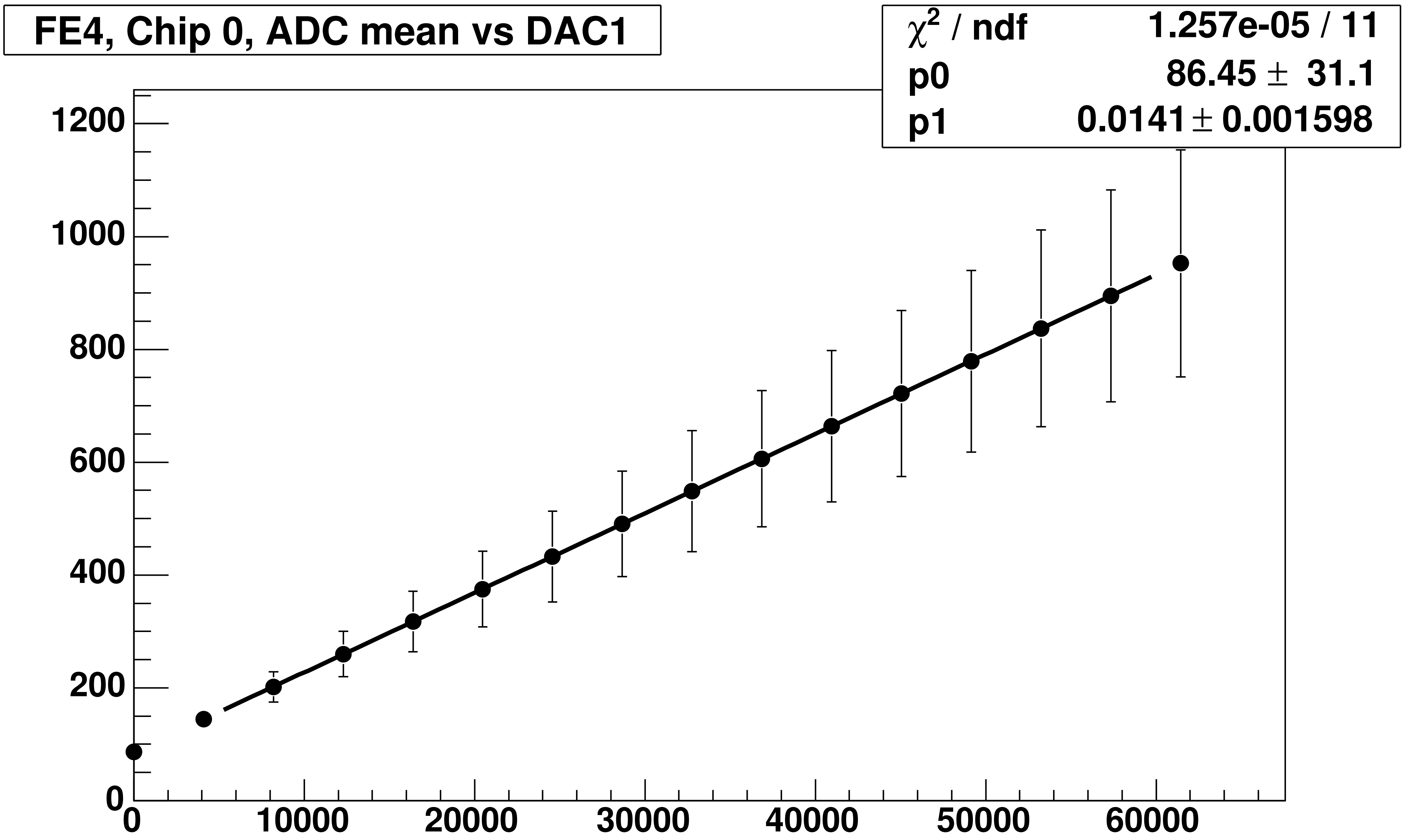



FE4, Chip 0, ADC mean vs DAC0
$\chi^2$ / ndf 0.002211 / 11
p0 88.5 ± 31.1
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

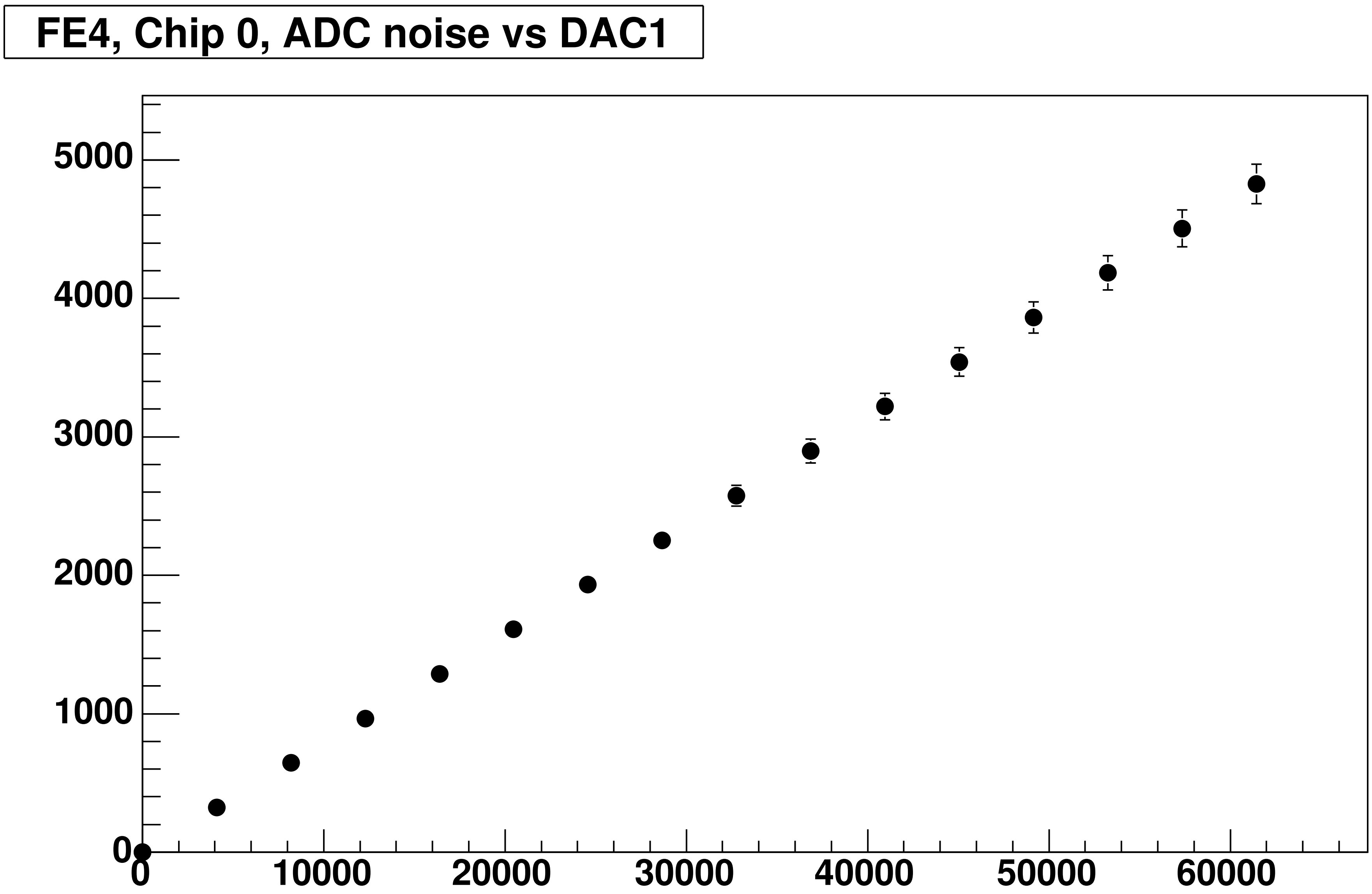

FE4, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



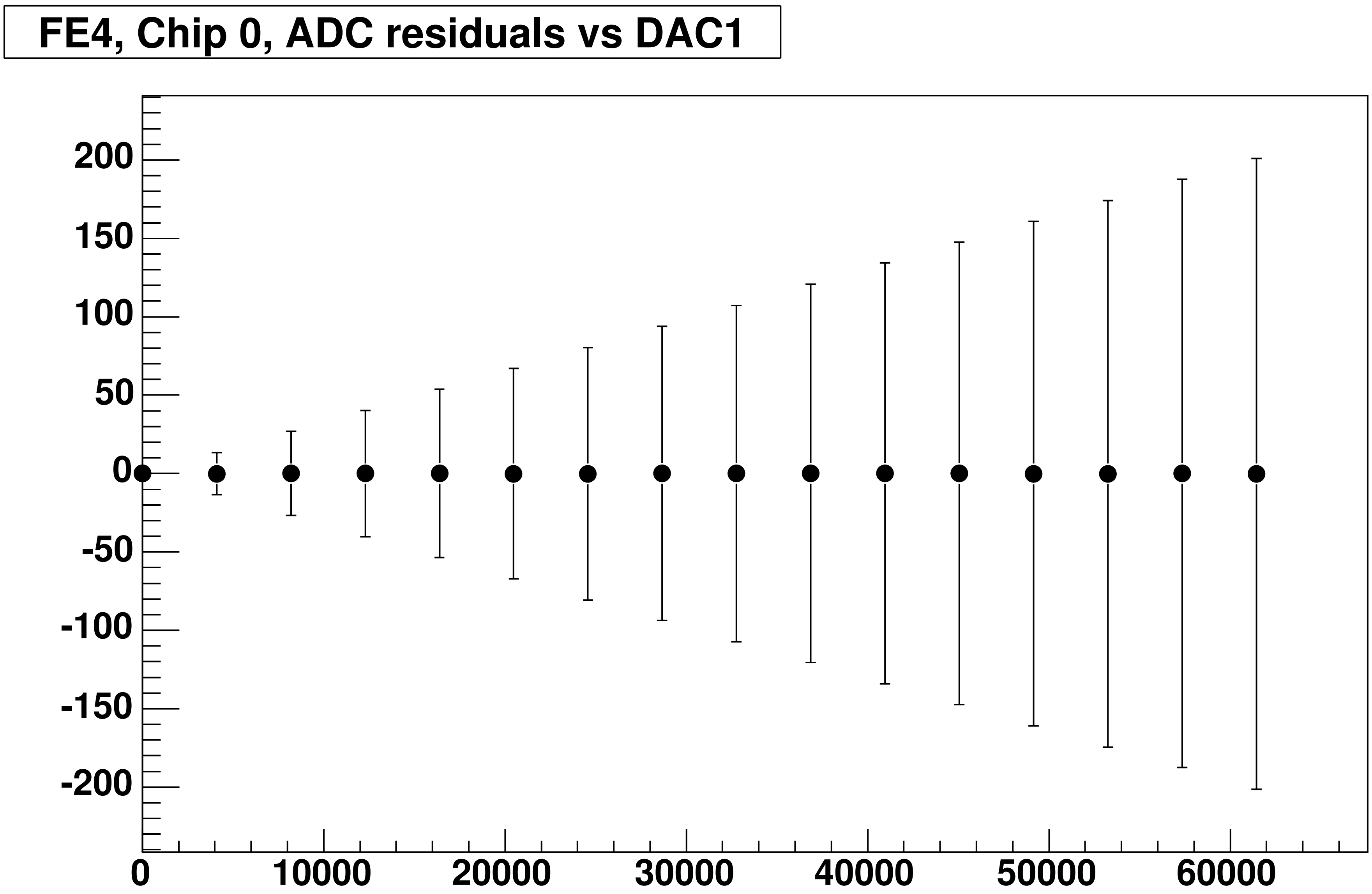
FE4, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

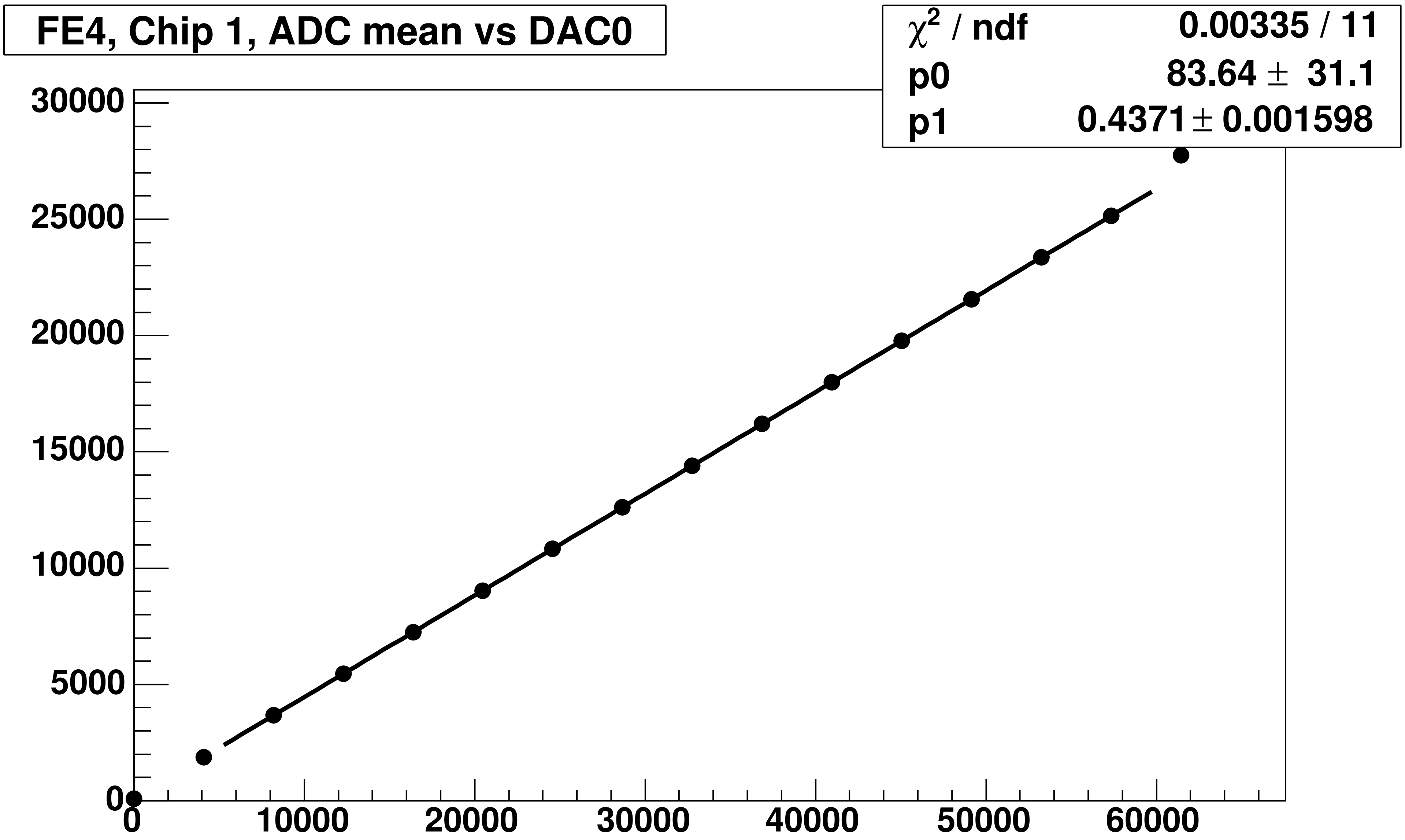


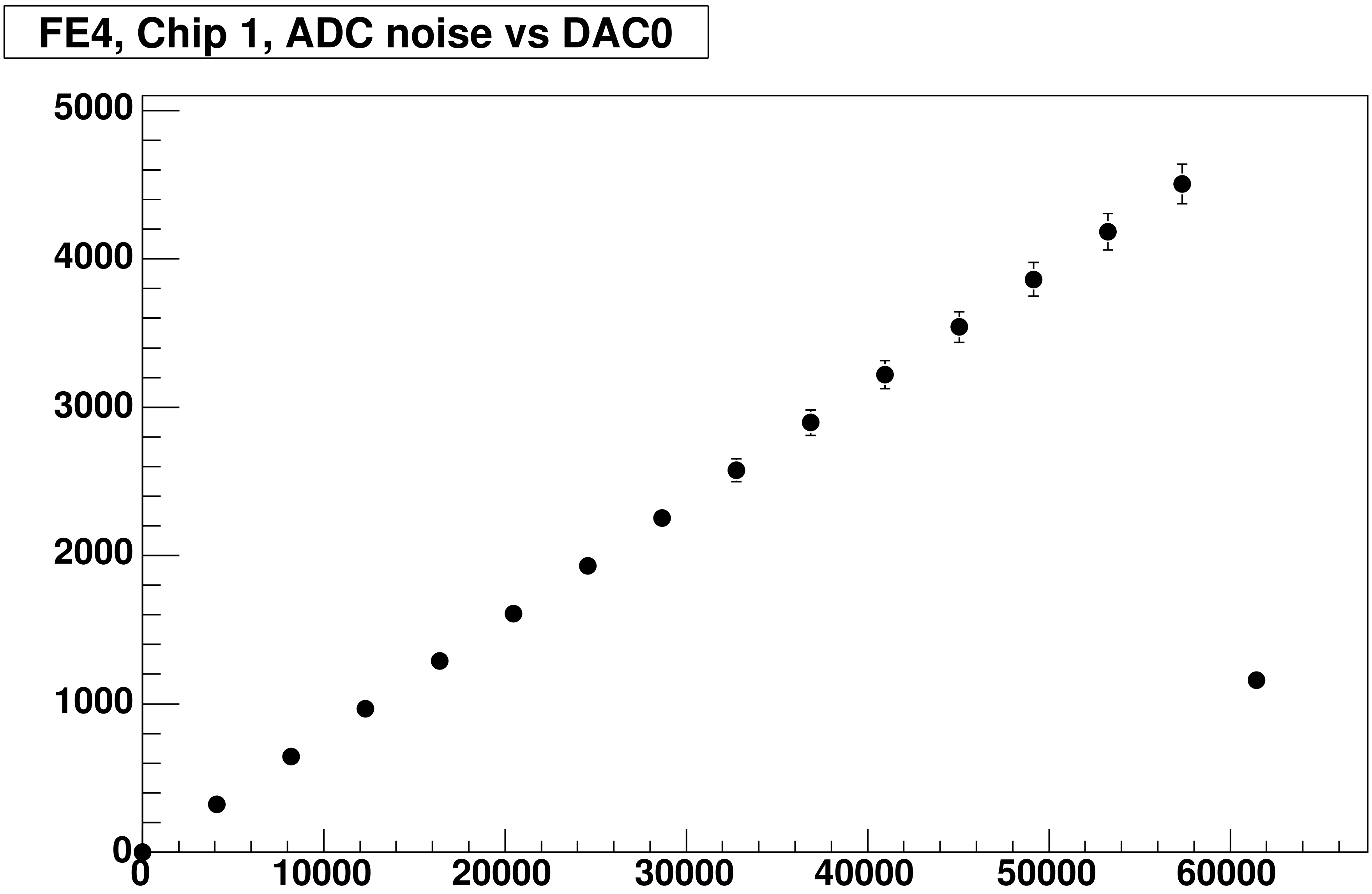
FE4, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 1.257e-05 / 11
p0 86.45 ± 31.1
p1 0.0141 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

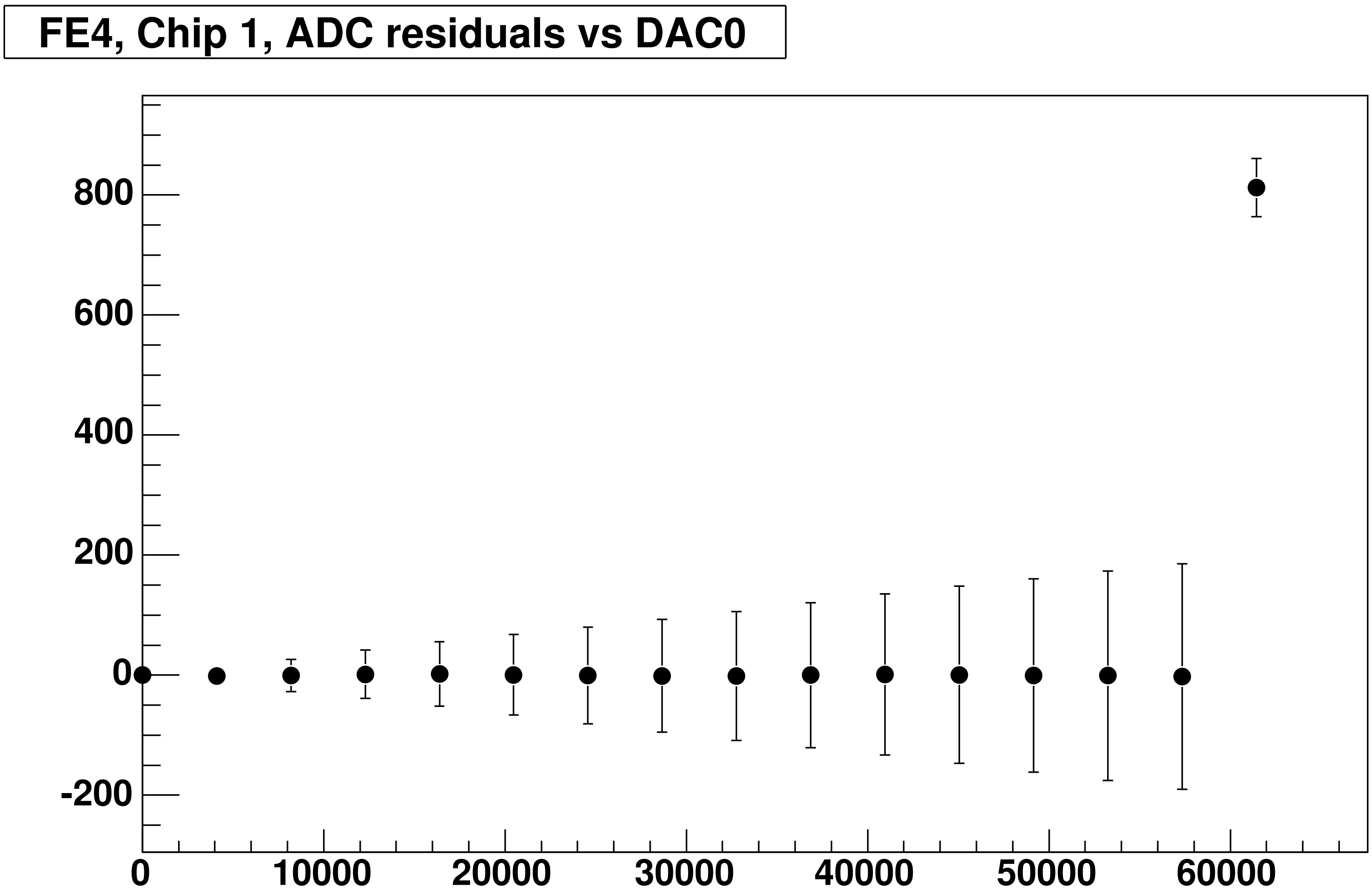


FE4, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

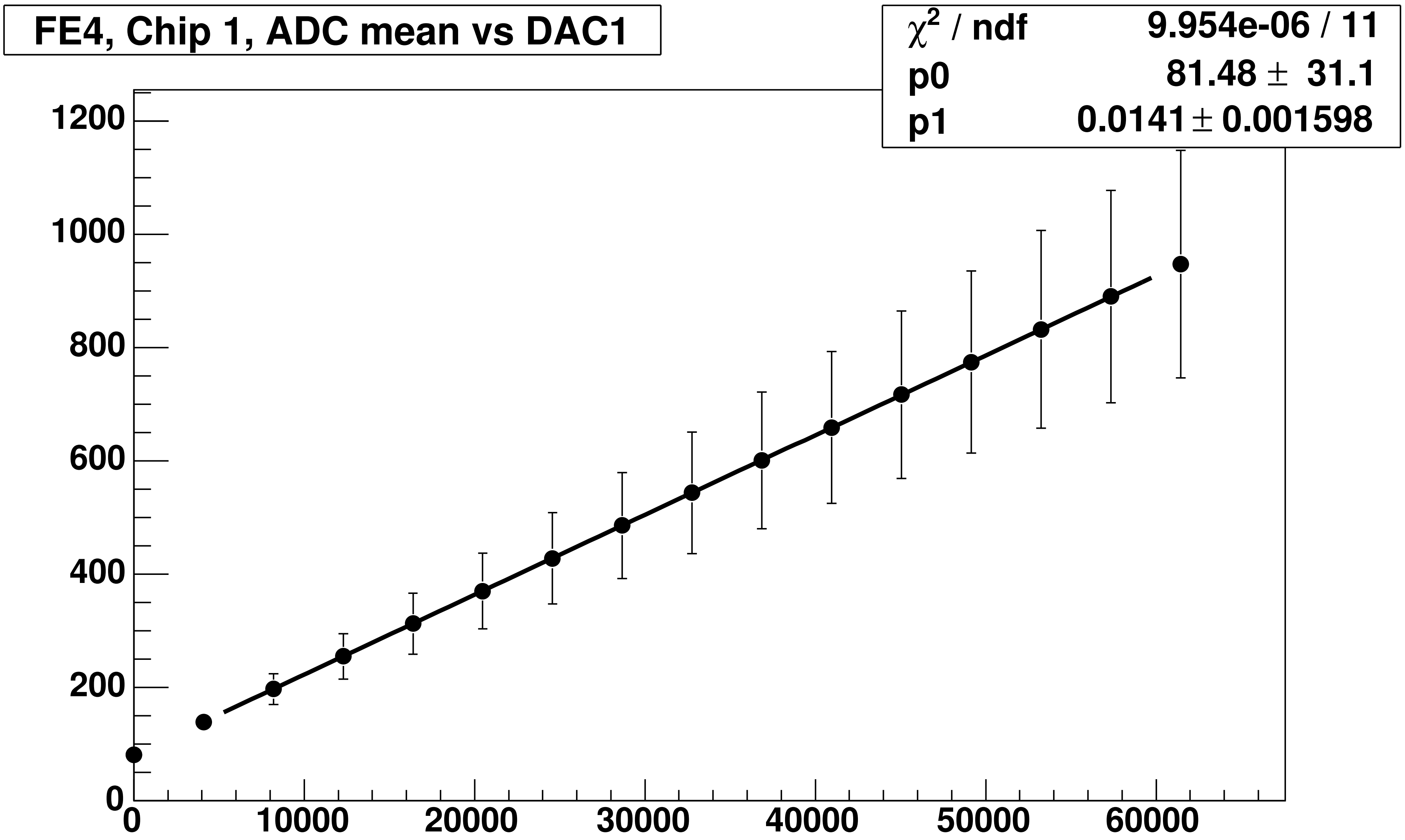

FE4, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

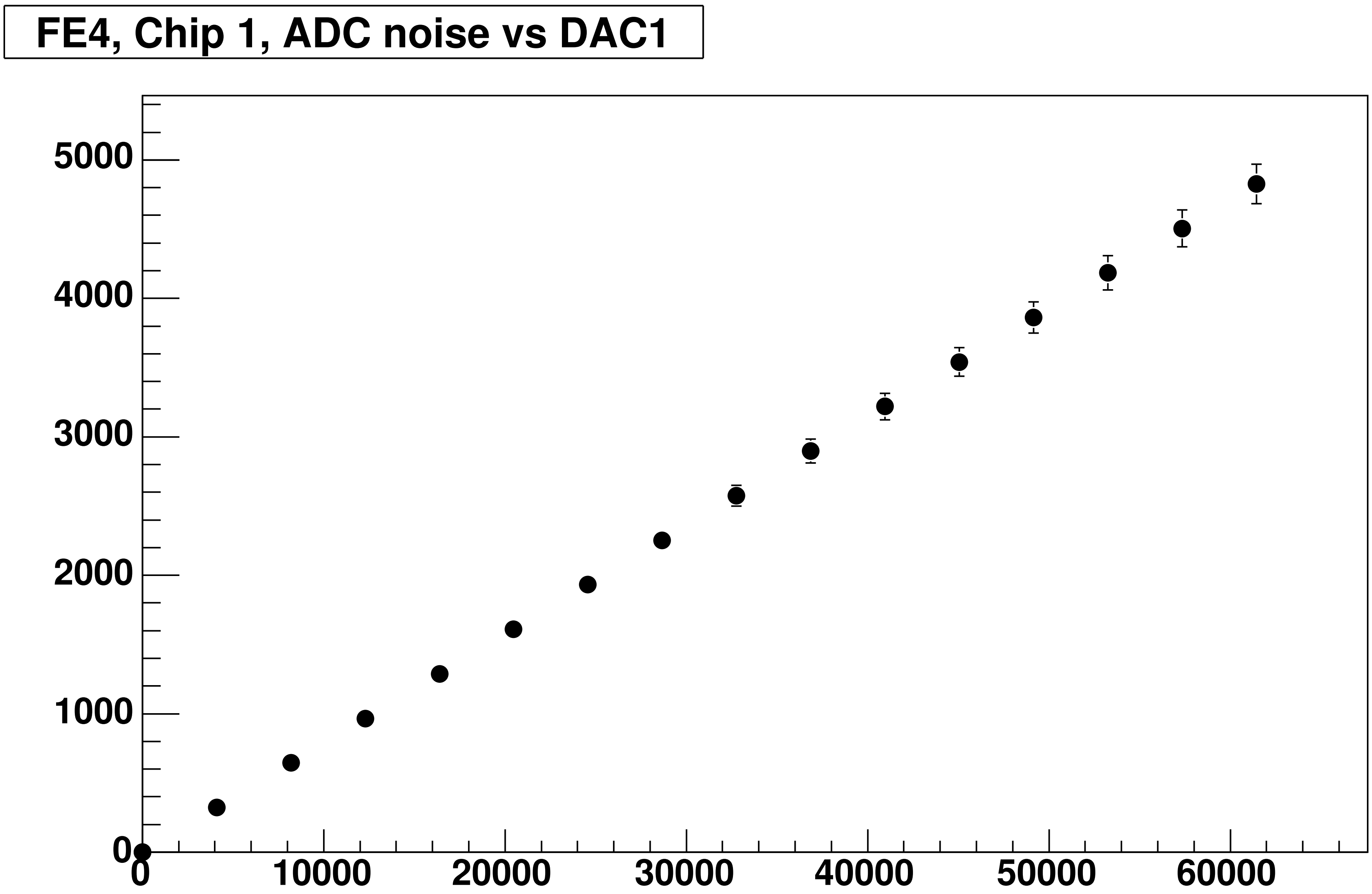

FE4, Chip 1, ADC mean vs DAC0
$\chi^2$ / ndf 0.00335 / 11
p0 83.64 ± 31.1
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

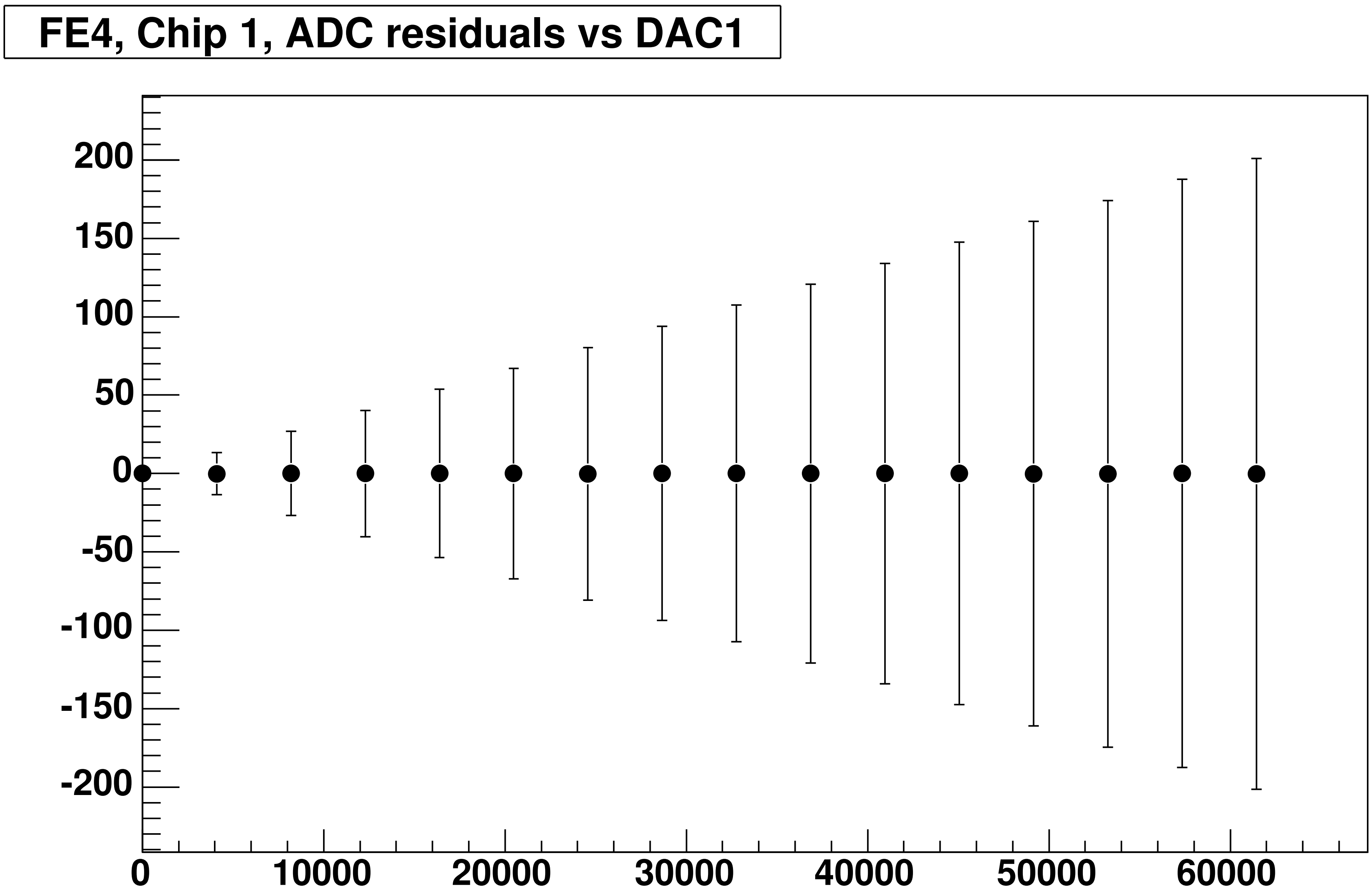

FE4, Chip 1, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

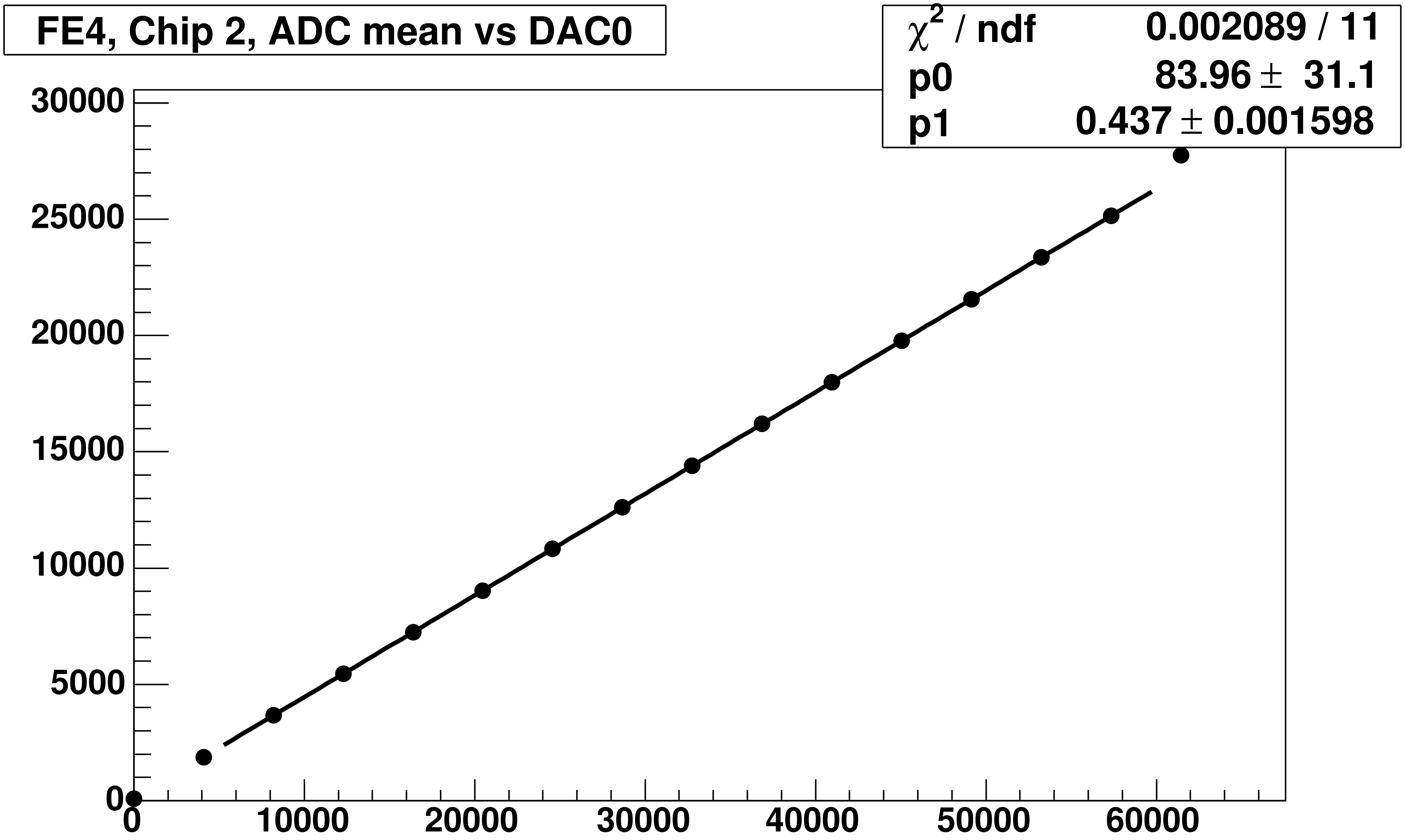


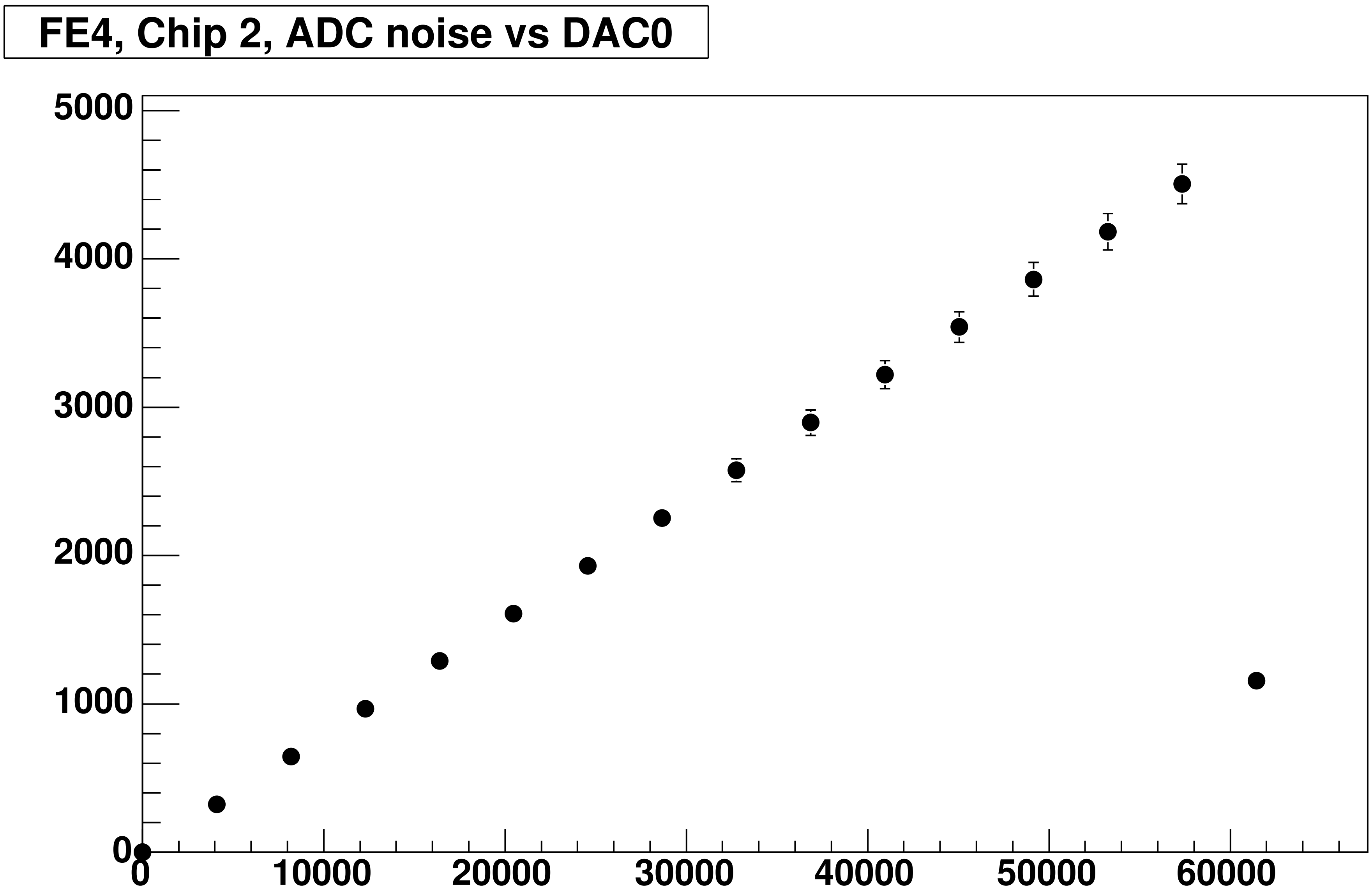
FE4, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

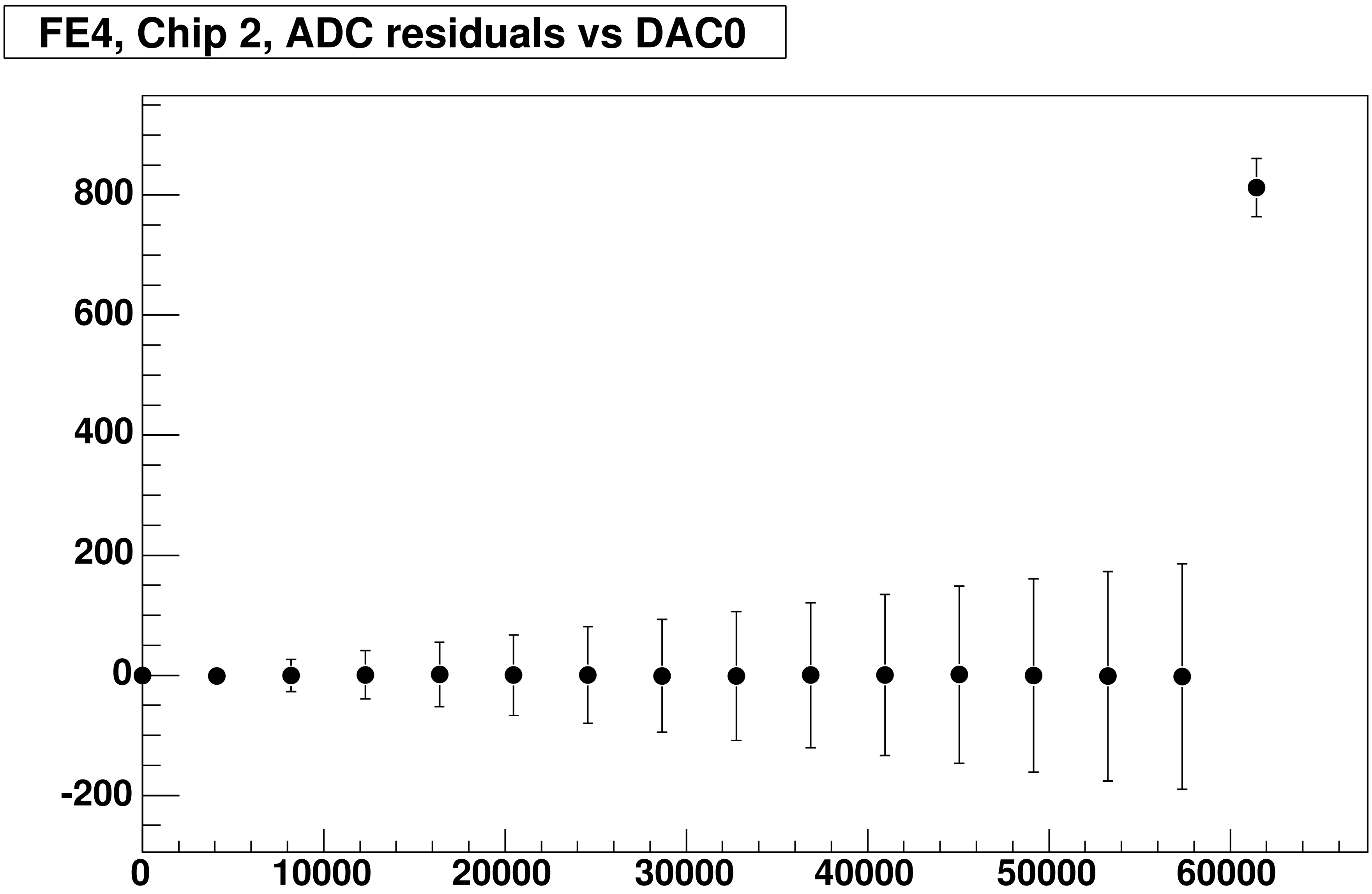

FE4, Chip 1, ADC mean vs DAC1
$\chi^2$ / ndf 9.954e-06 / 11
p0 81.48 ± 31.1
p1 0.0141 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

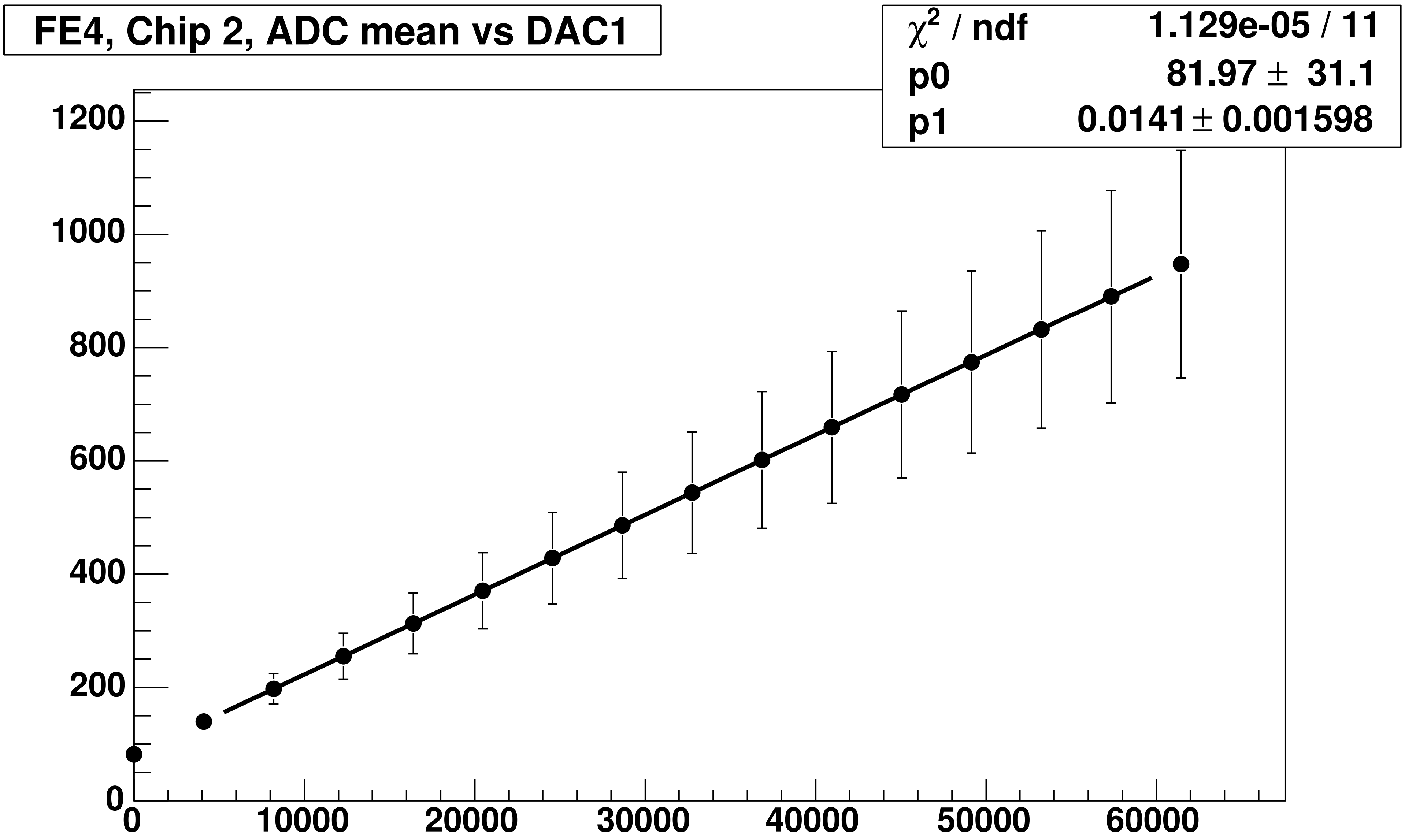

FE4, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

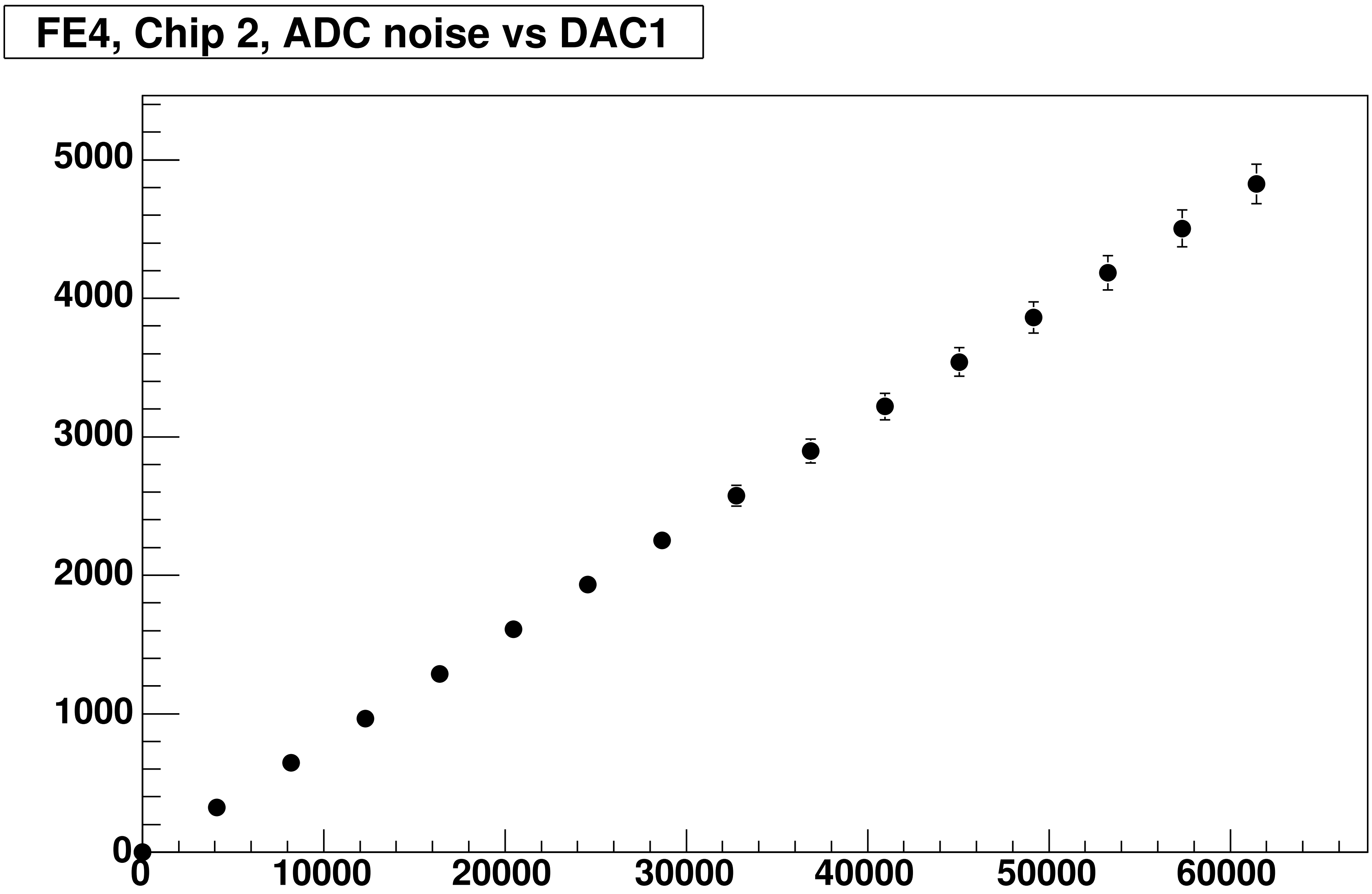

FE4, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

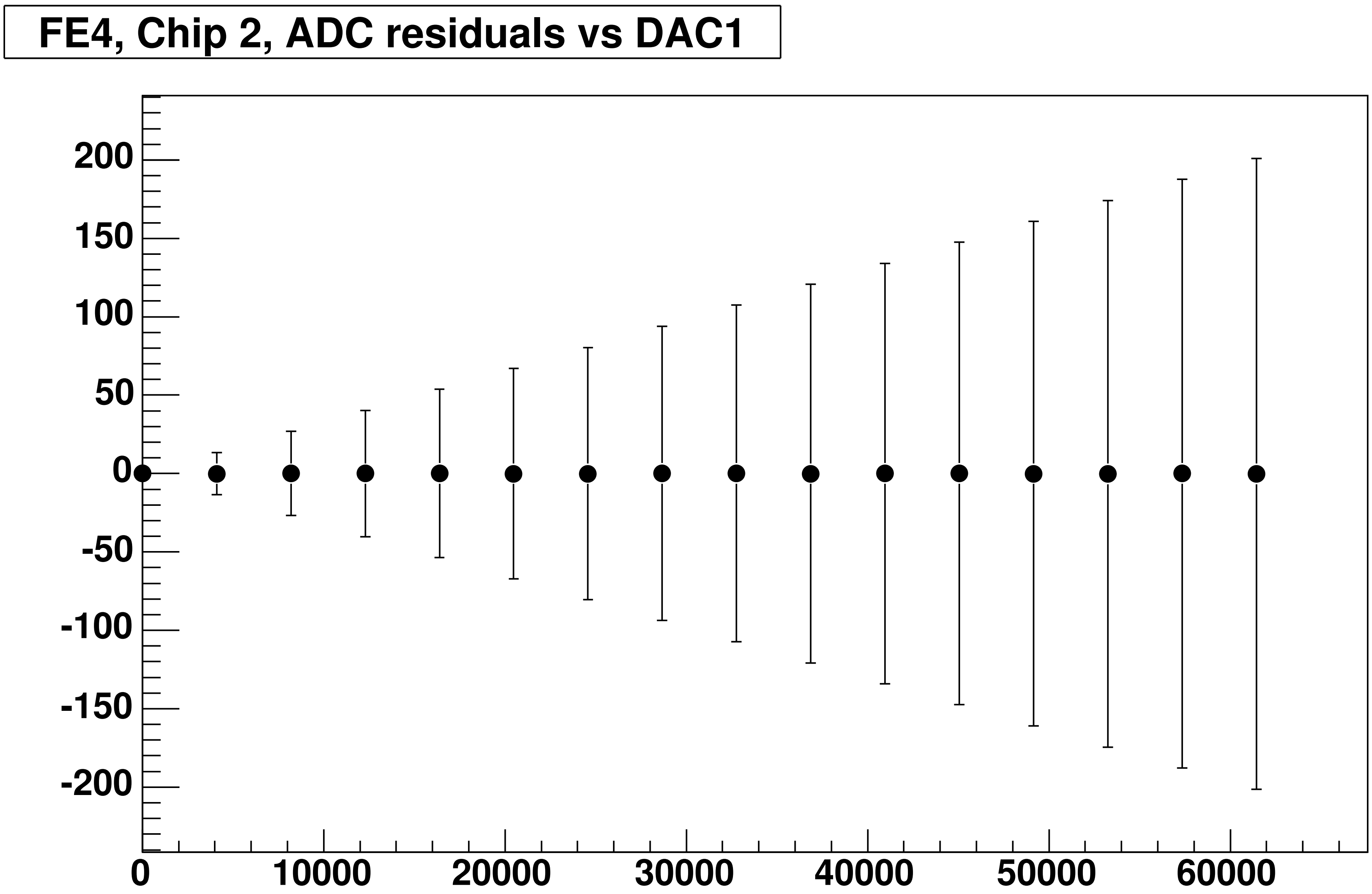

FE4, Chip 2, ADC mean vs DAC0
χ2 / ndf 0.002089 / 11
p0 83.96 ± 31.1
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

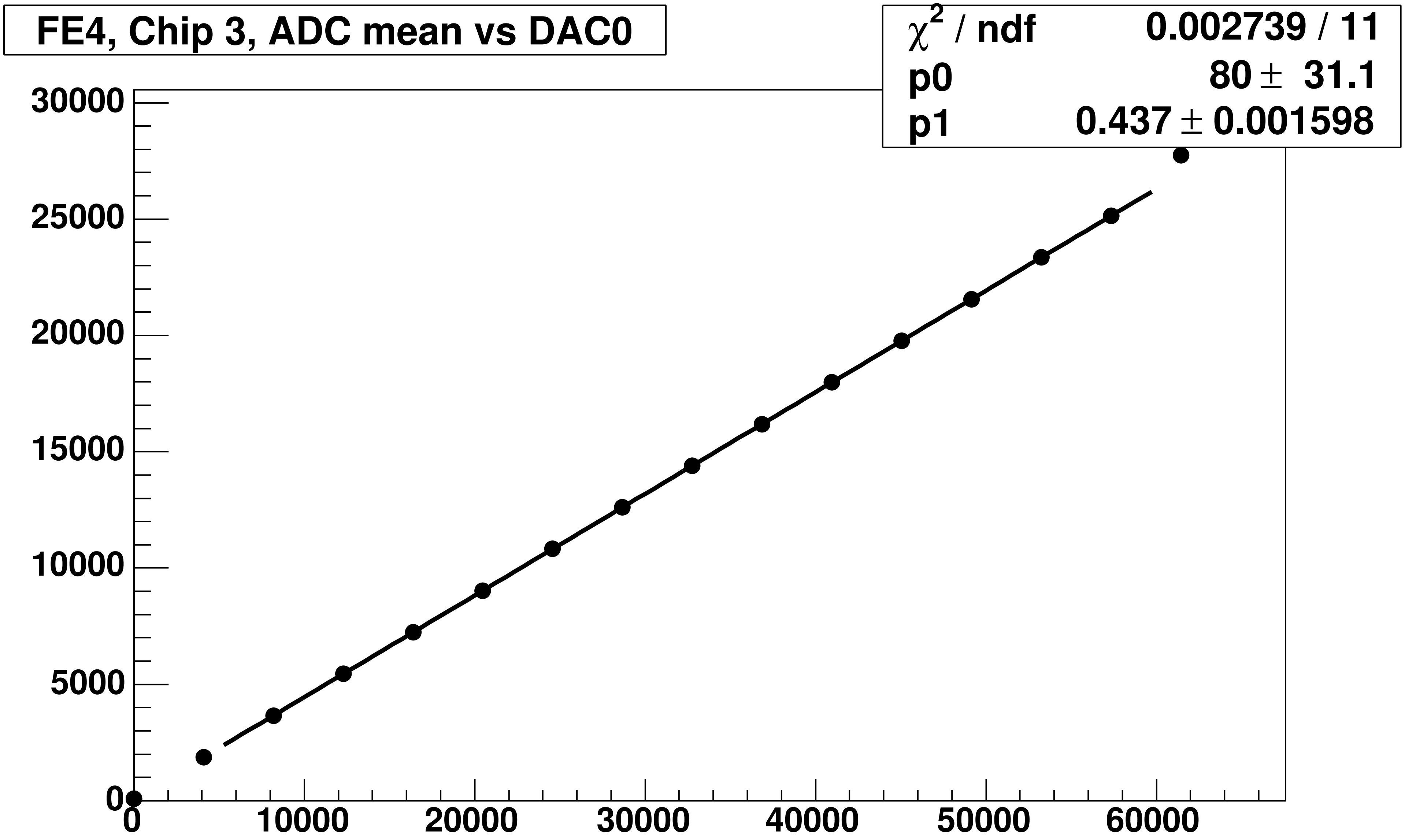

FE4, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

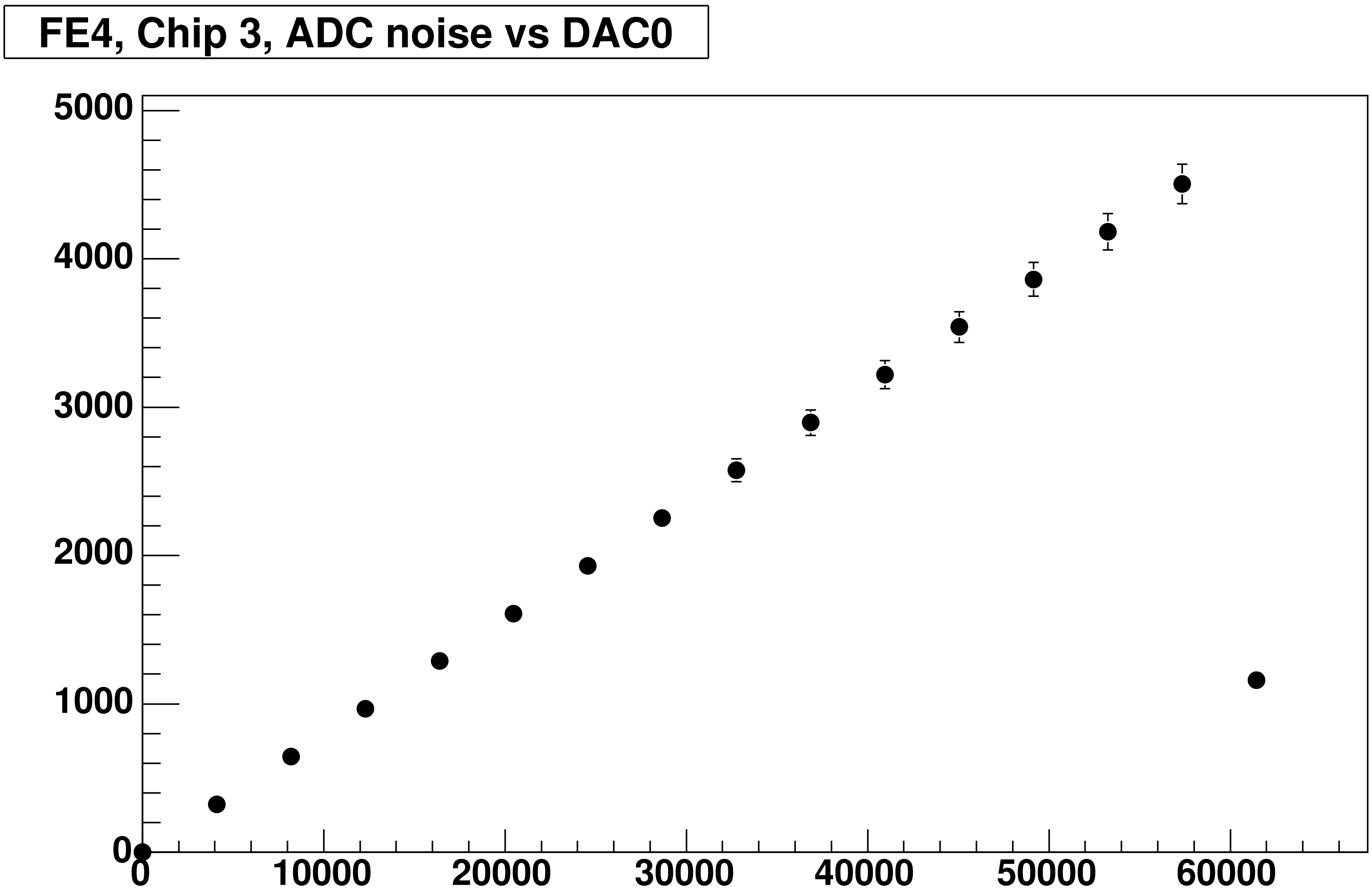

FE4, Chip 2, ADC mean vs DAC1
$\chi^2$ / ndf 1.129e-05 / 11
p0 81.97 ± 31.1
p1 0.0141 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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

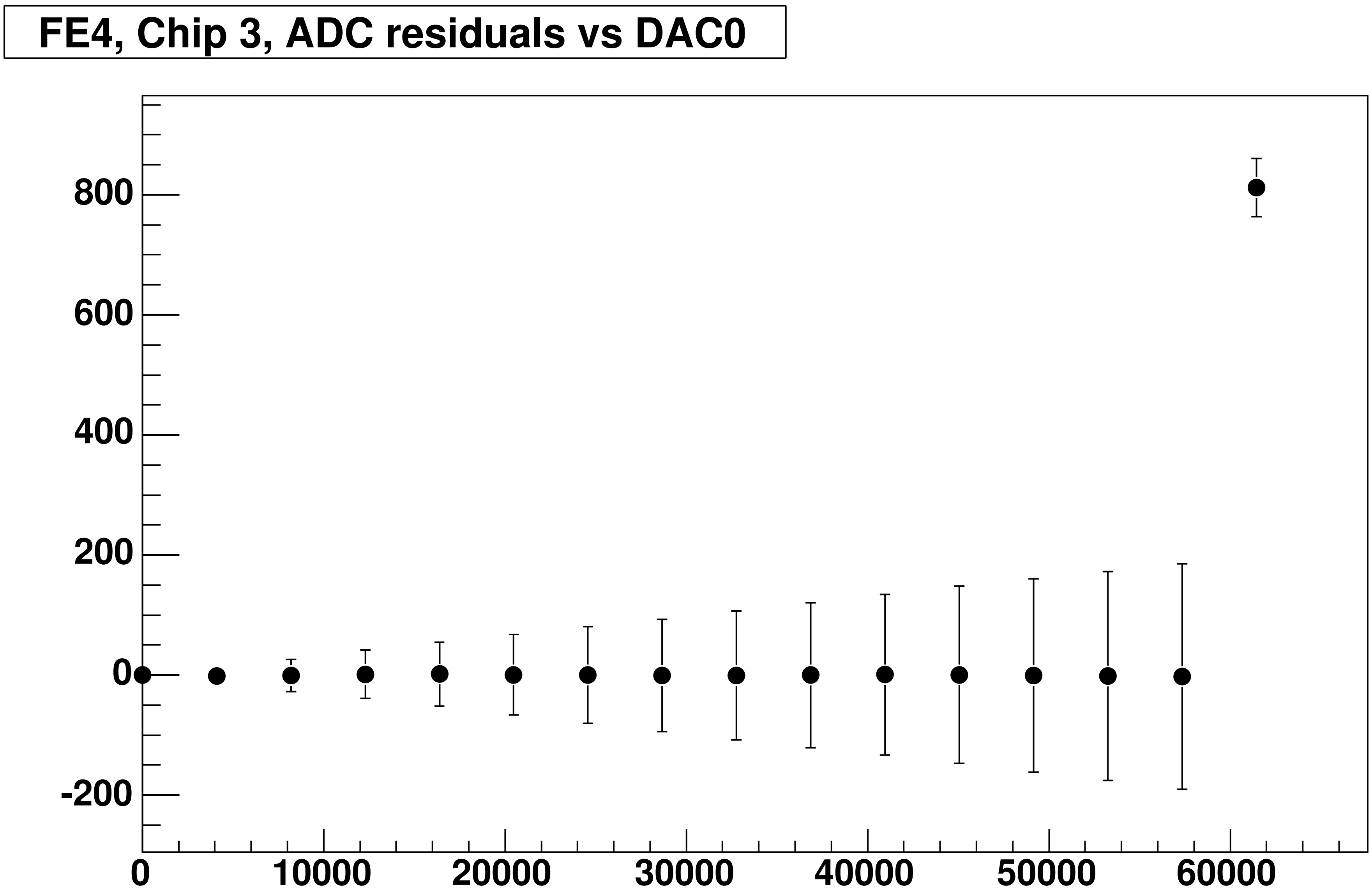

FE4, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

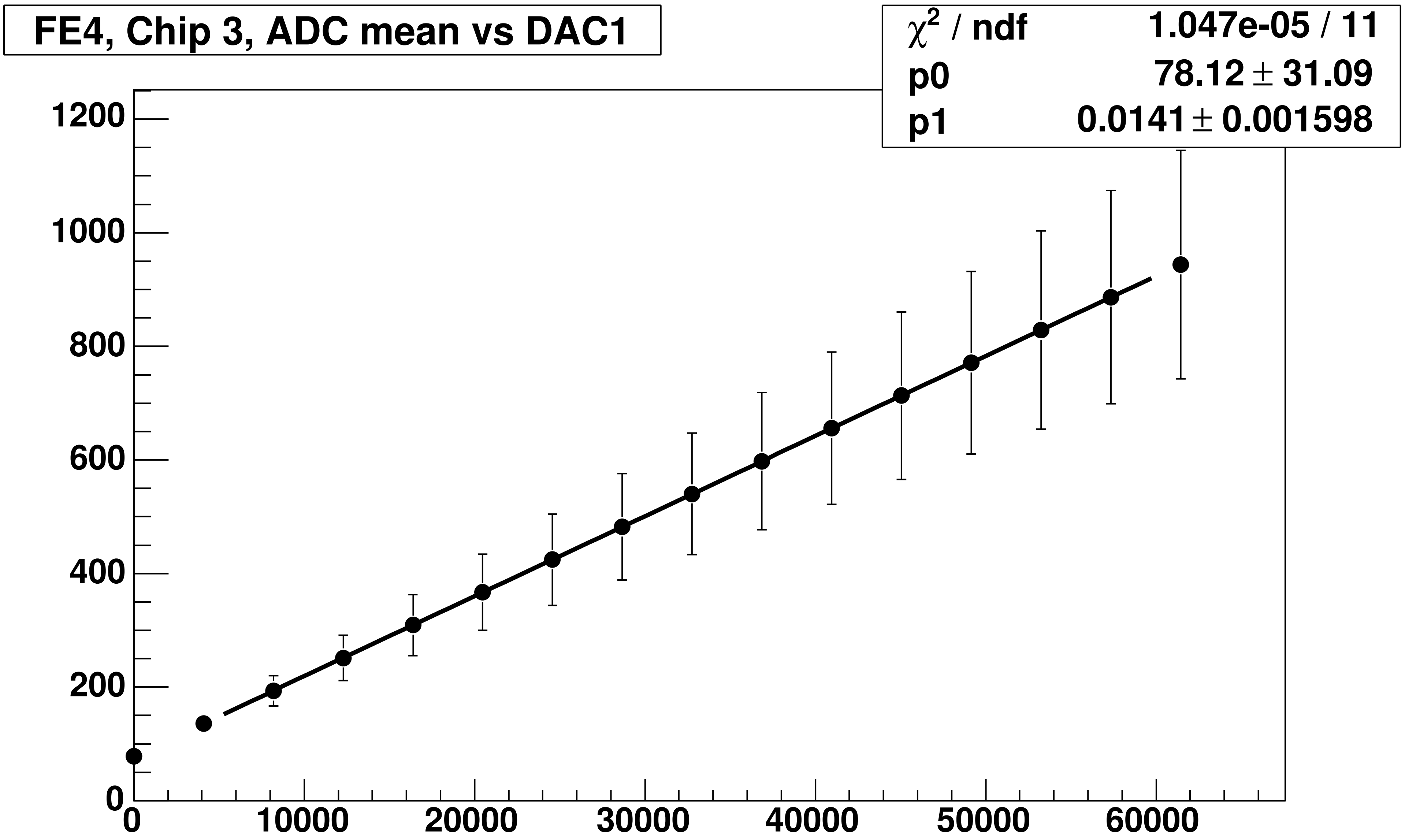


FE4, Chip 3, ADC mean vs DAC0
χ² / ndf 0.002739 / 11
p0 80 ± 31.1
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

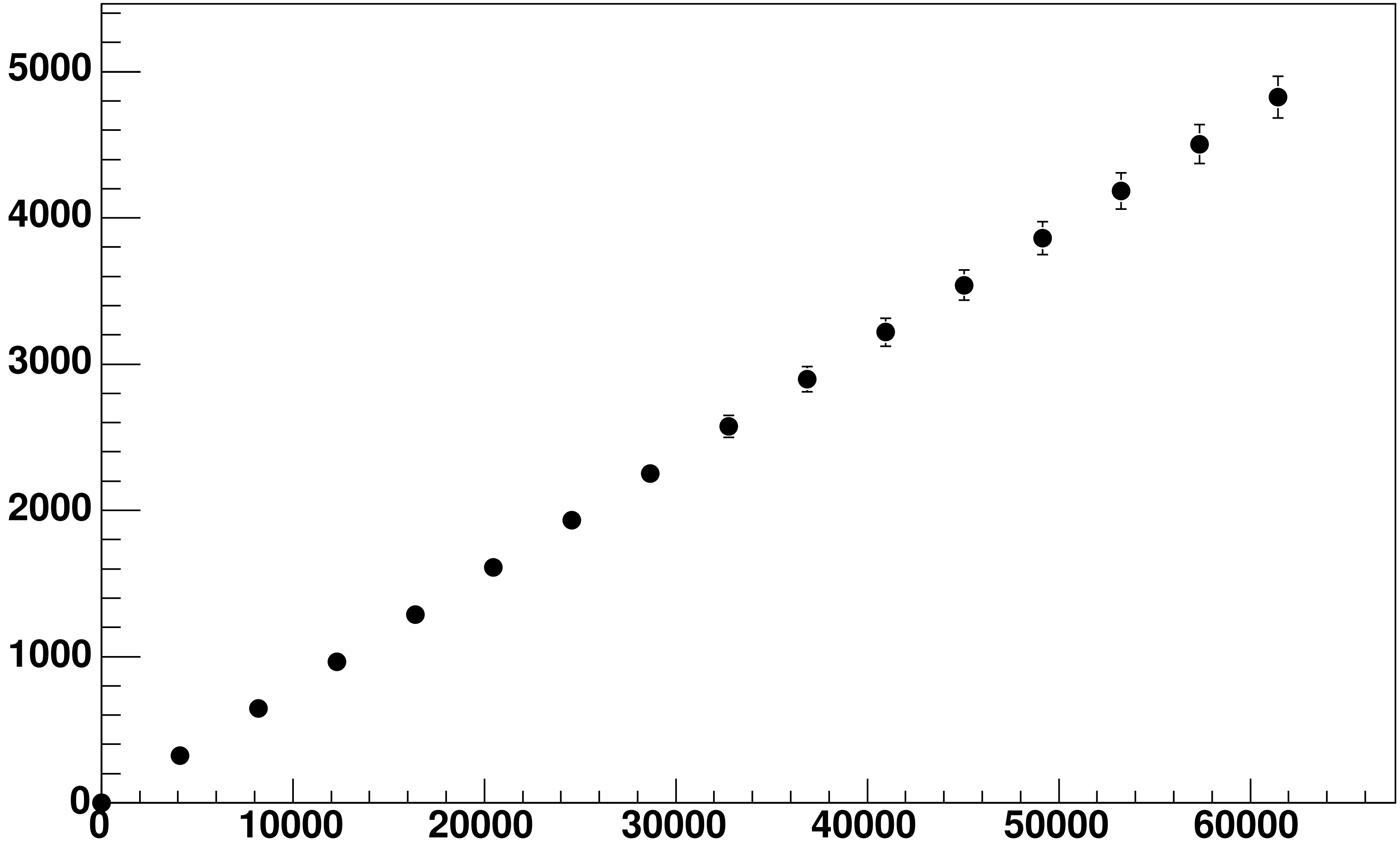


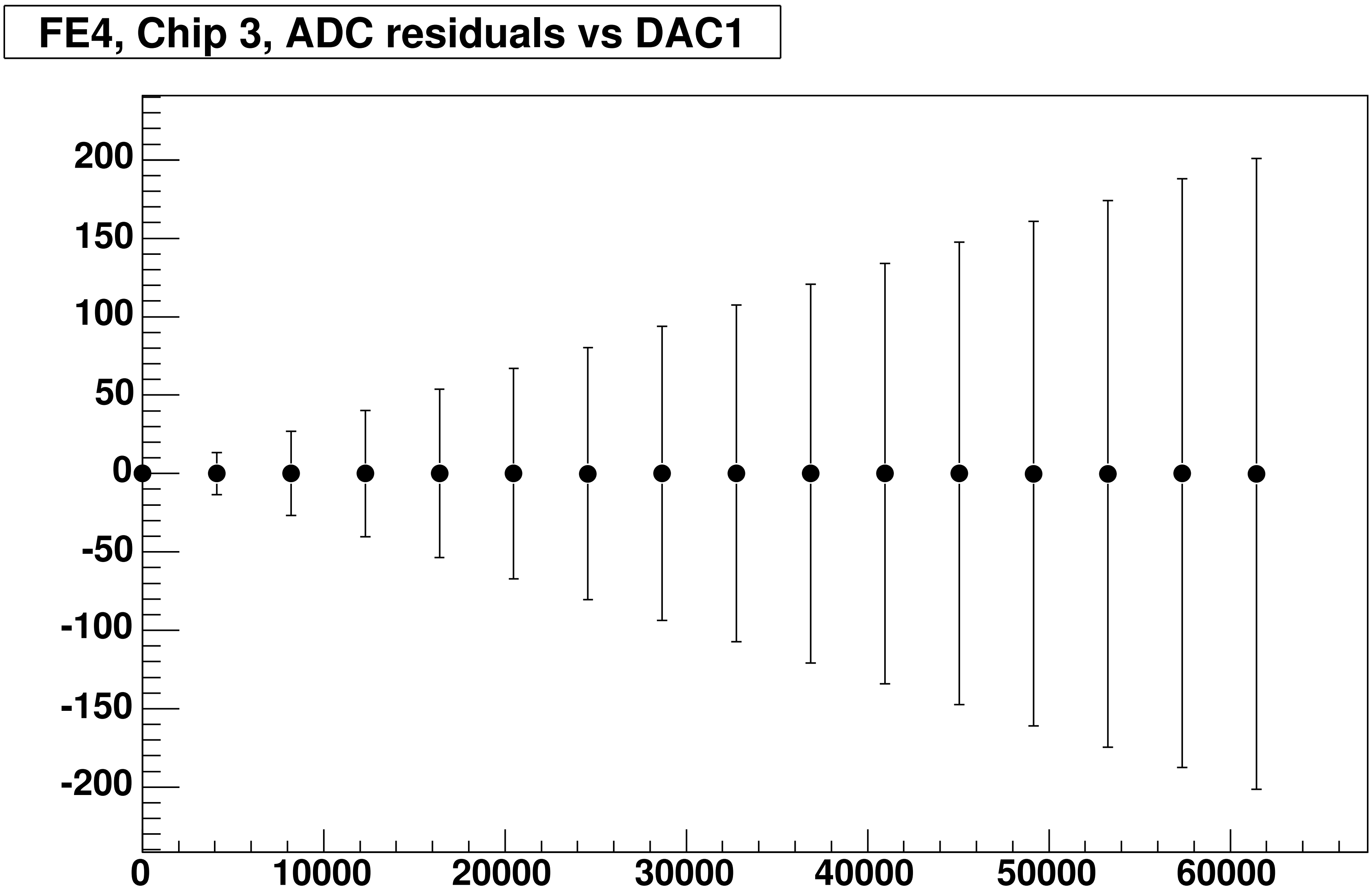
FE4, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

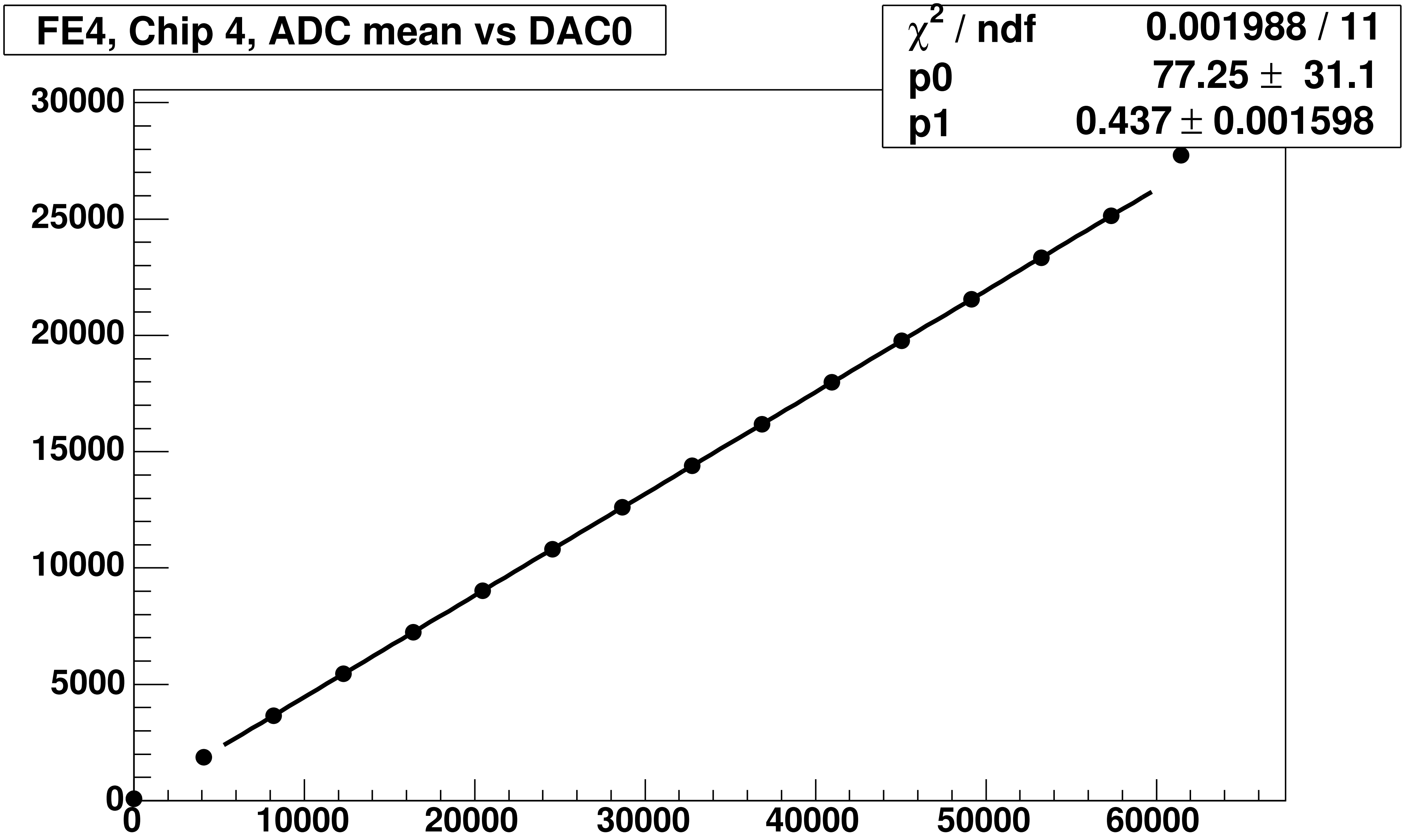

FE4, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 1.047e-05 / 11
p0 78.12 ± 31.09
p1 0.0141 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

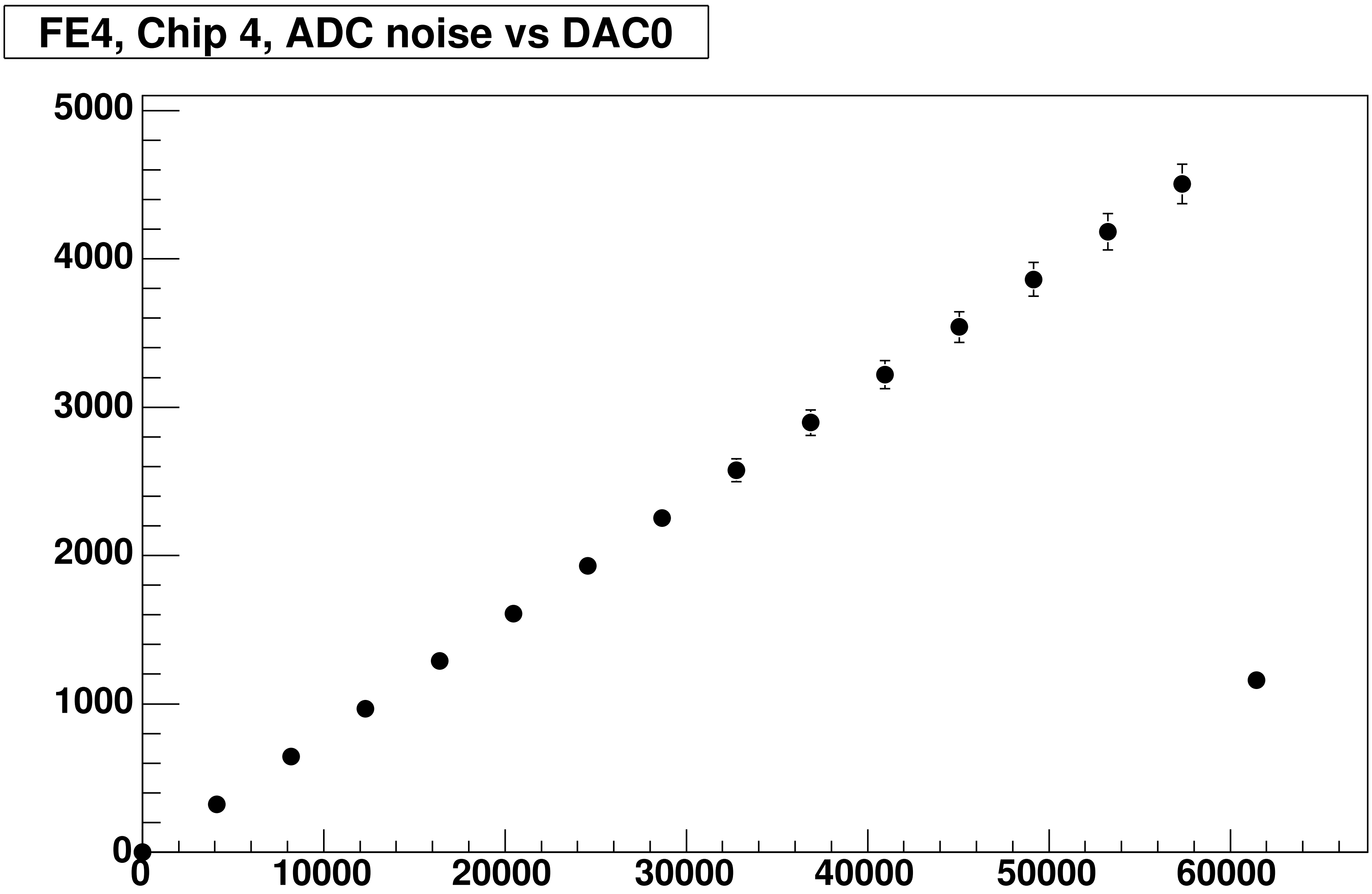
FE4, Chip 3, ADC noise vs DAC1

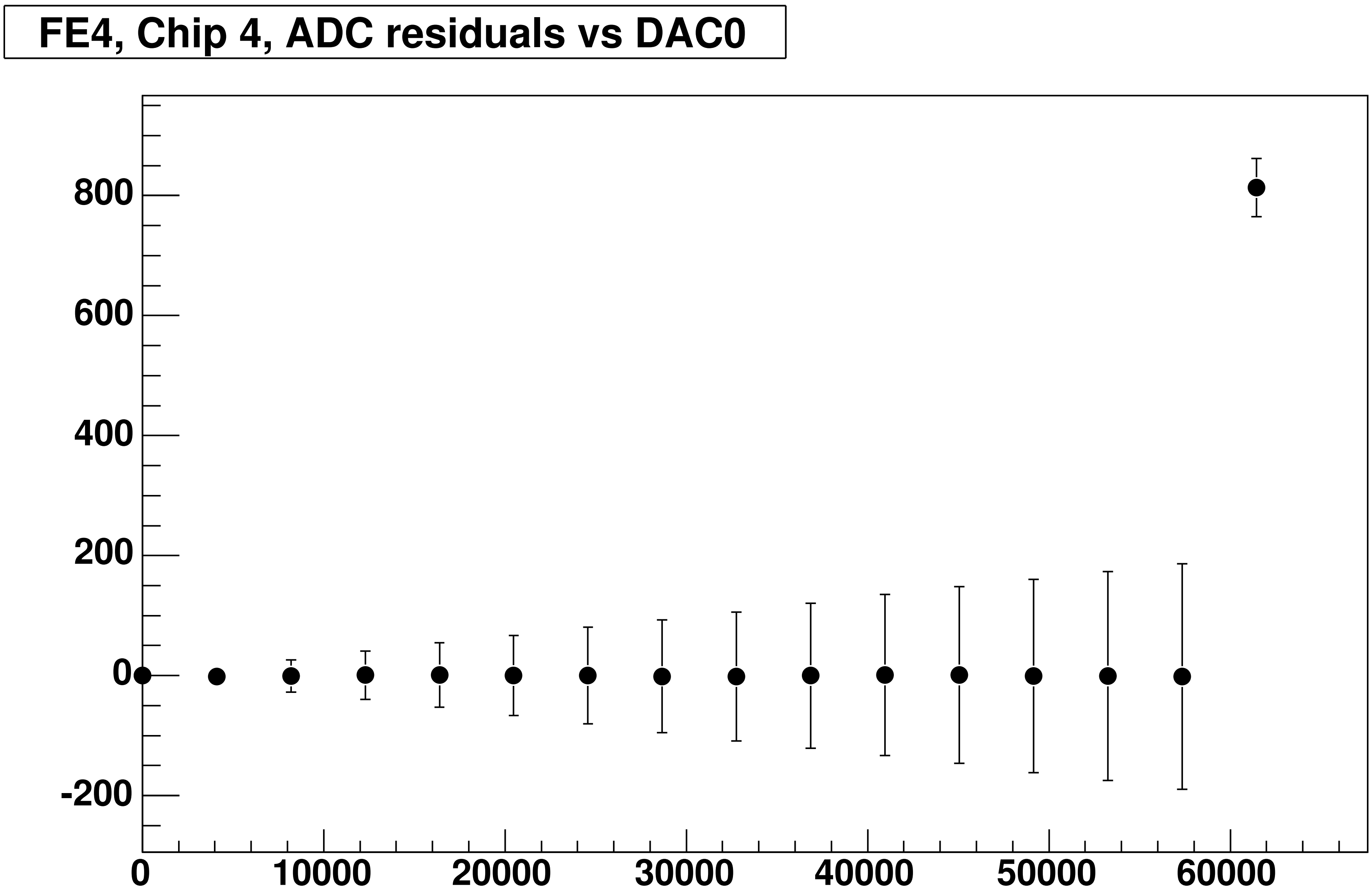


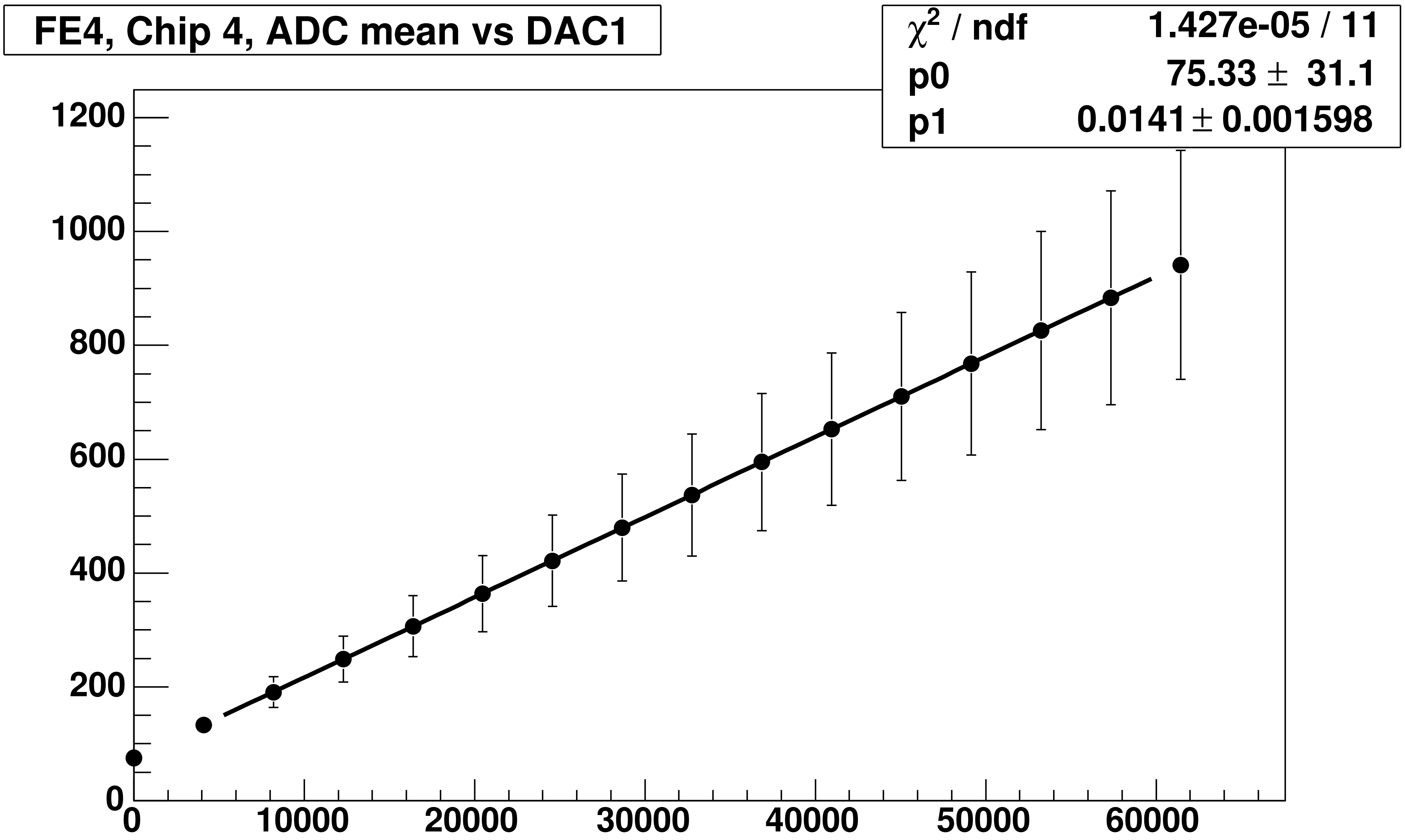

FE4, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

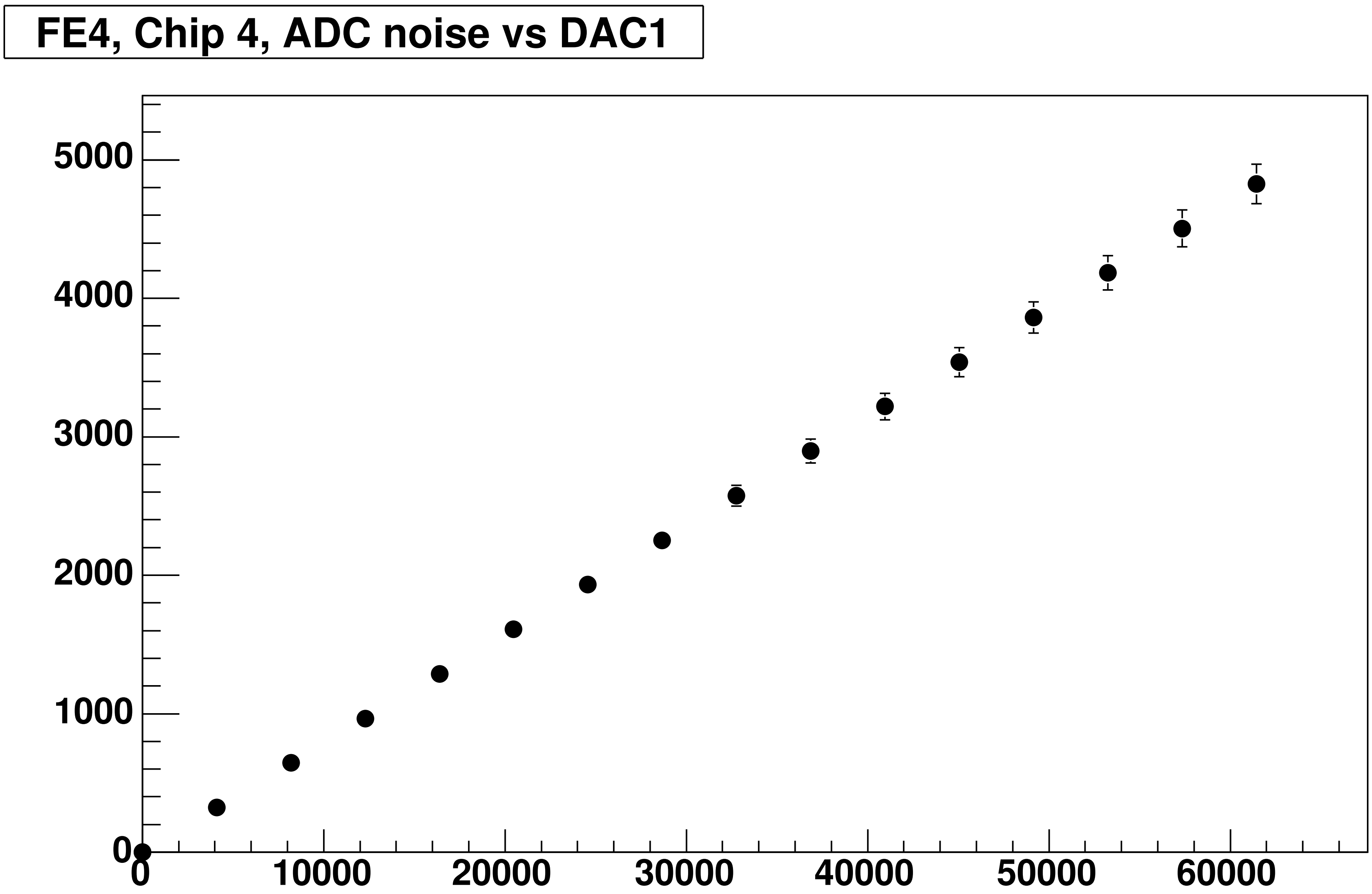


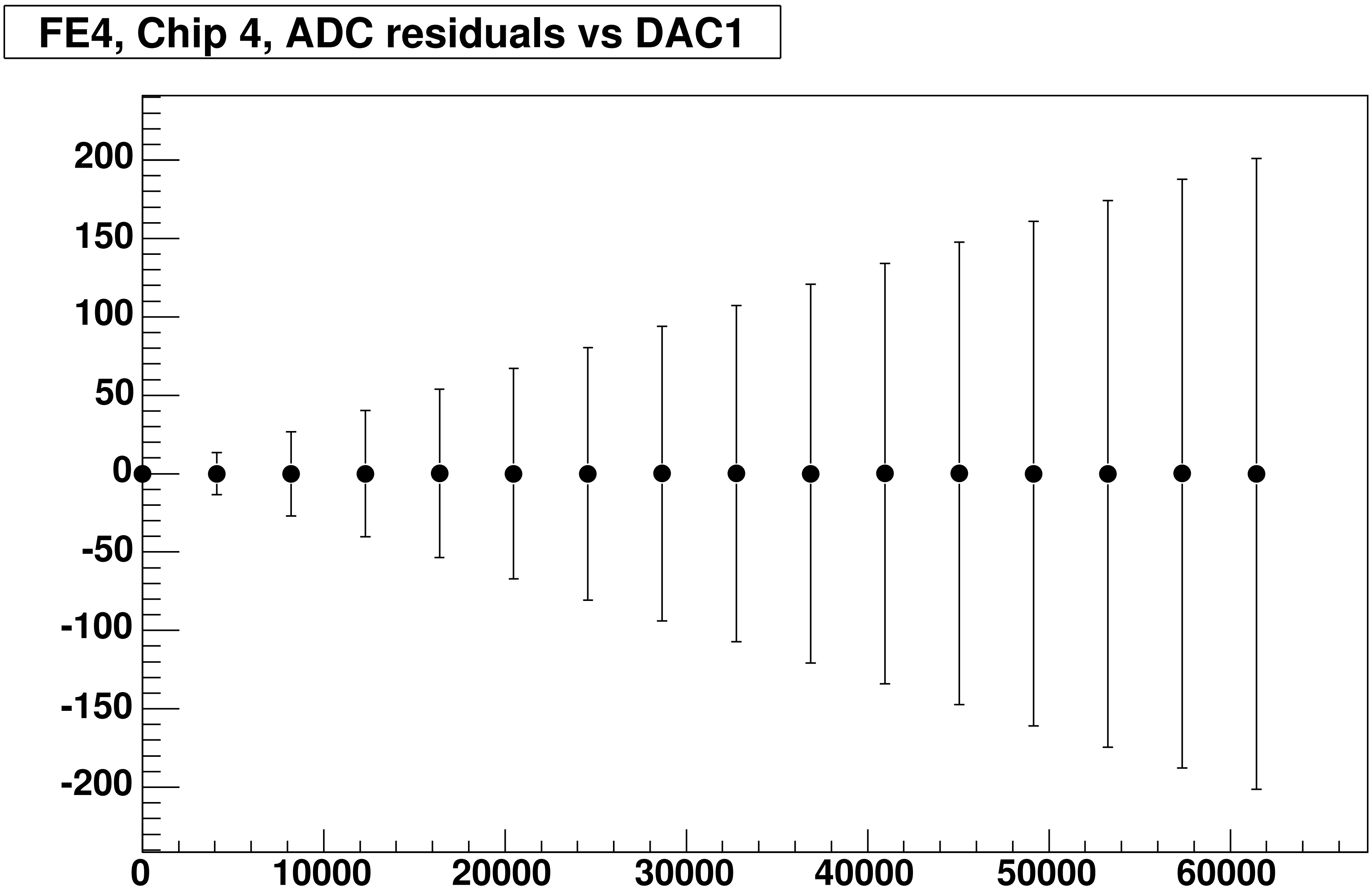
FE4, Chip 4, ADC mean vs DAC0
$\chi^2$ / ndf 0.001988 / 11
p0 77.25 ± 31.1
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

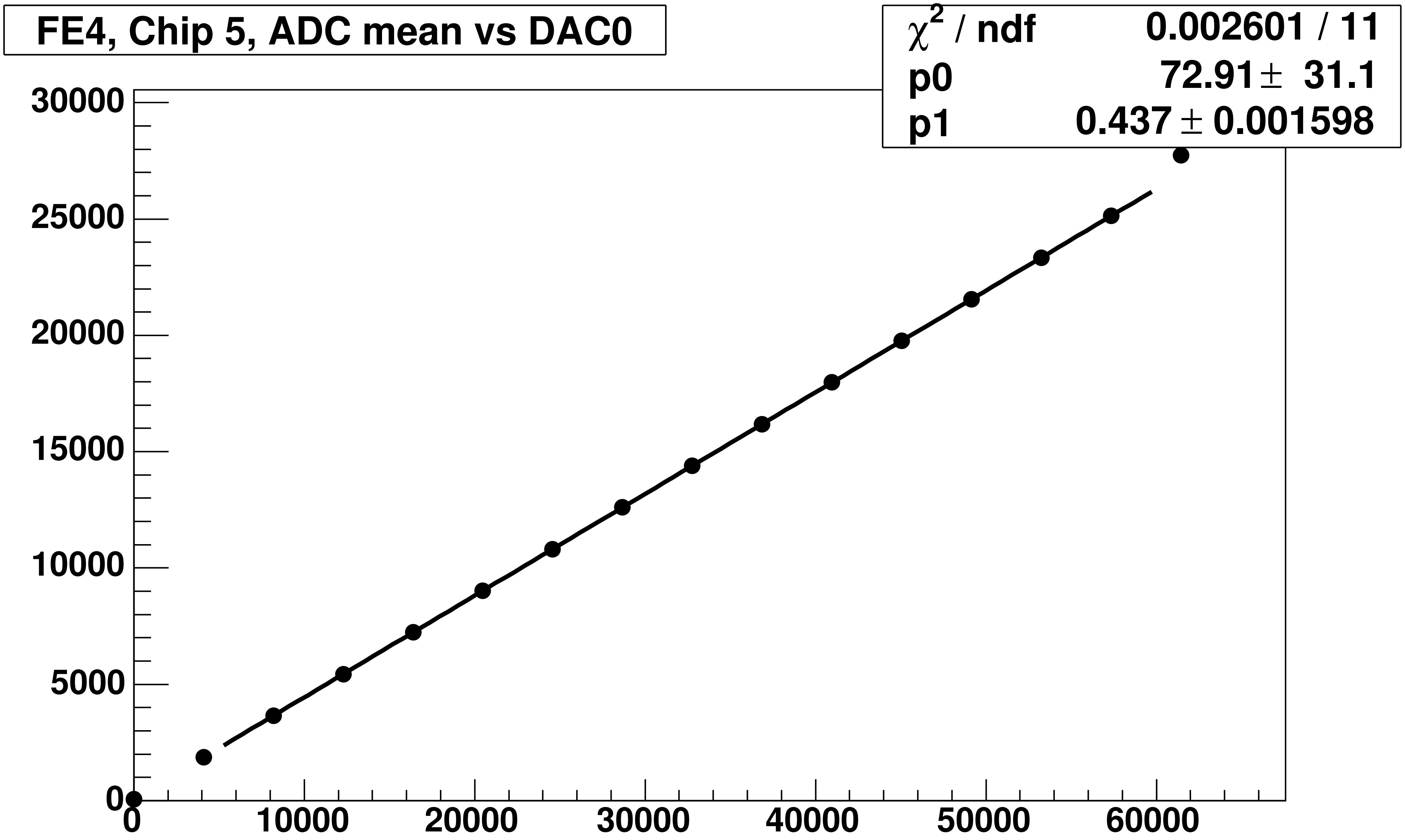

FE4, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

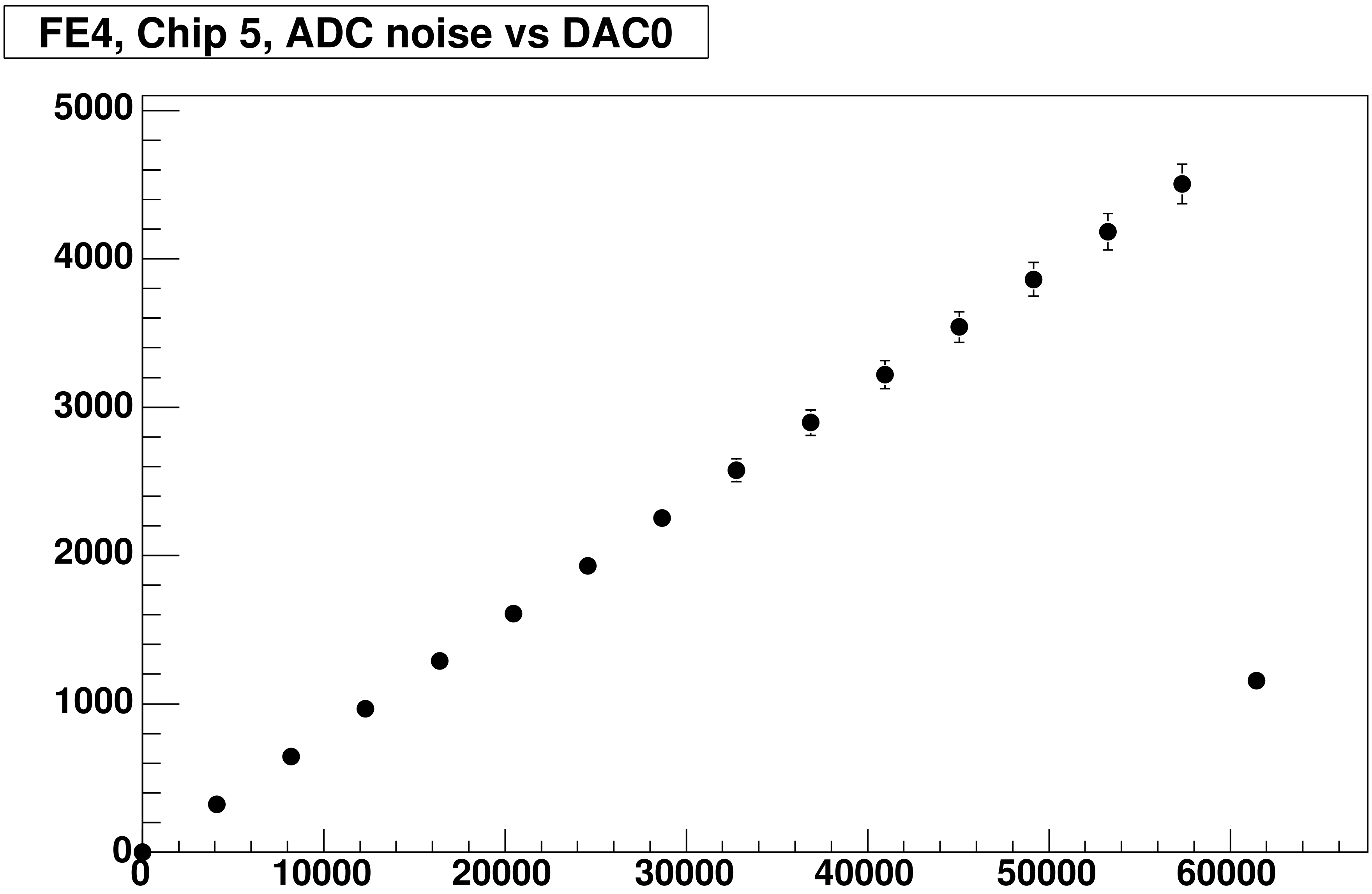

FE4, Chip 4, ADC mean vs DAC1
$\chi^2$ / ndf 1.427e-05 / 11
p0 75.33 ± 31.1
p1 0.0141 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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

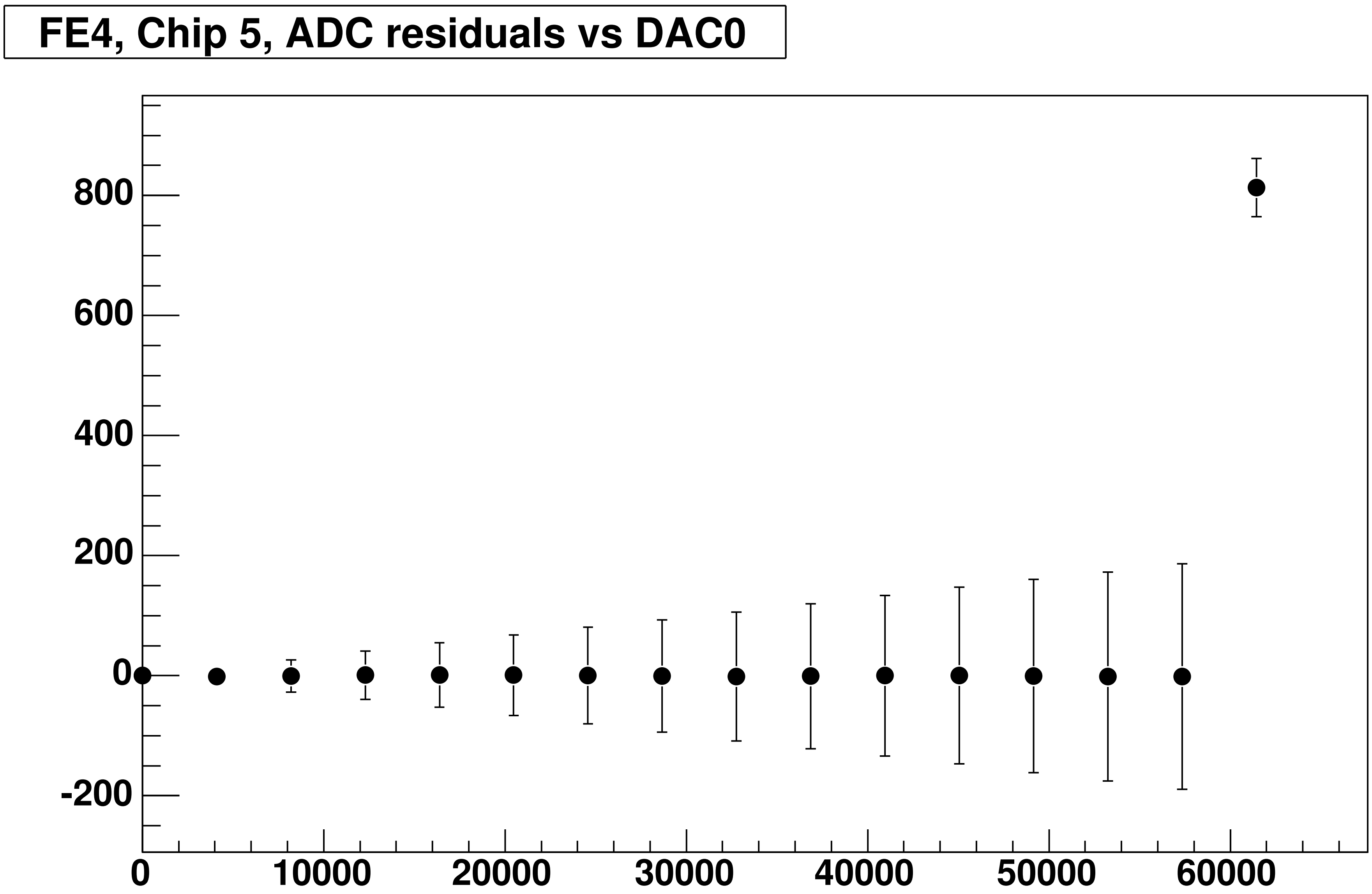

FE4, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

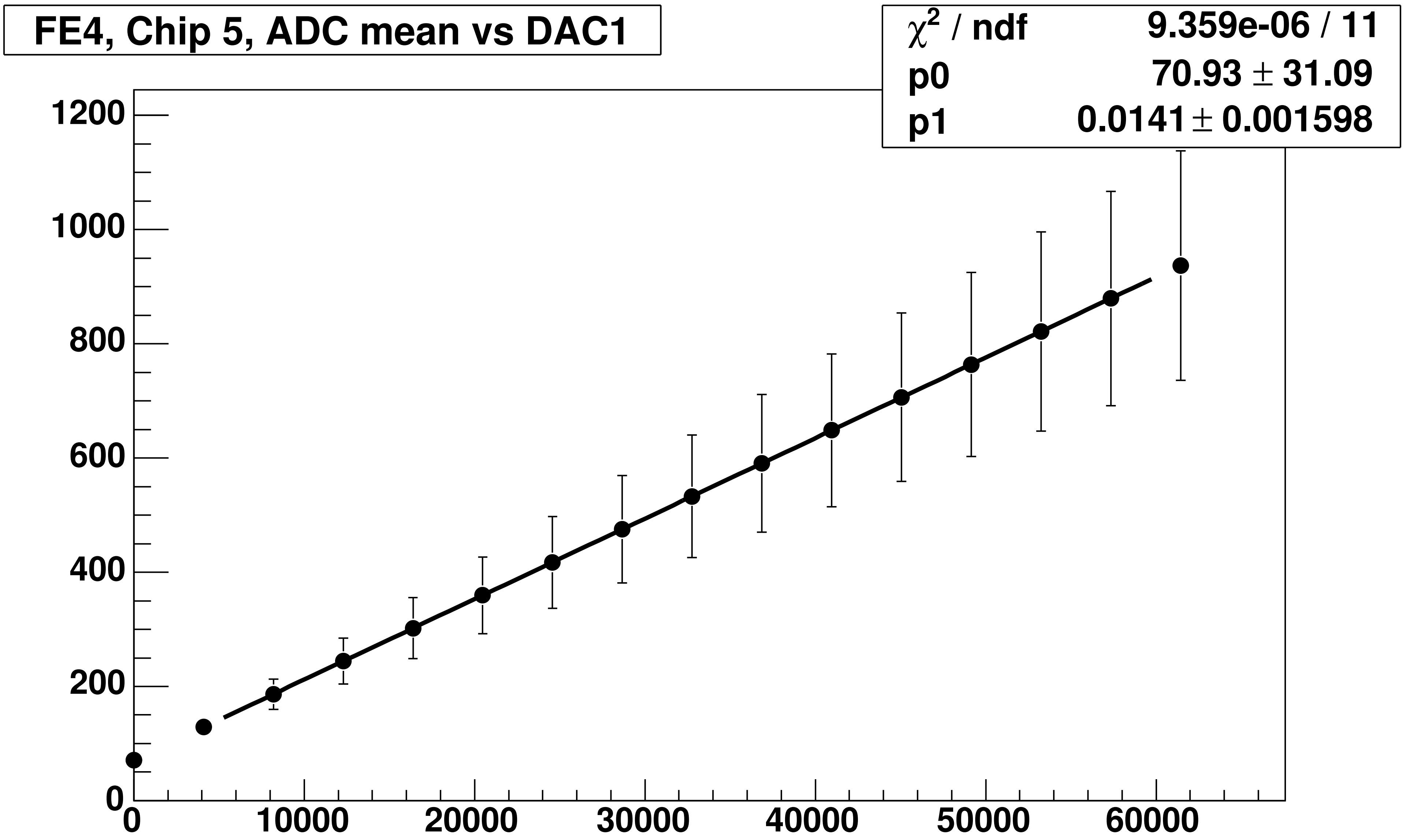


FE4, Chip 5, ADC mean vs DAC0
χ2 / ndf 0.002601 / 11
p0 72.91 ± 31.1
p1 0.437 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

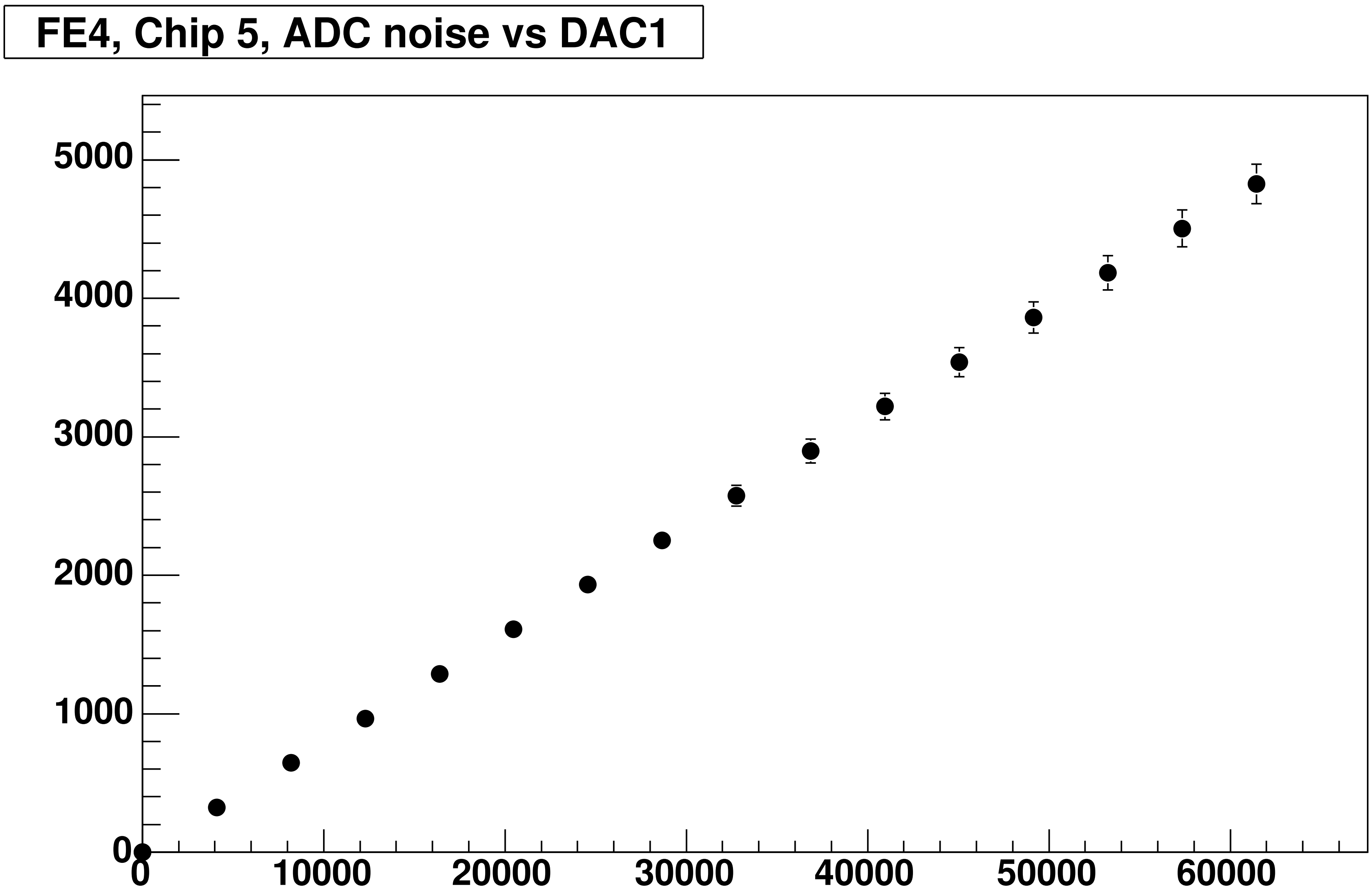


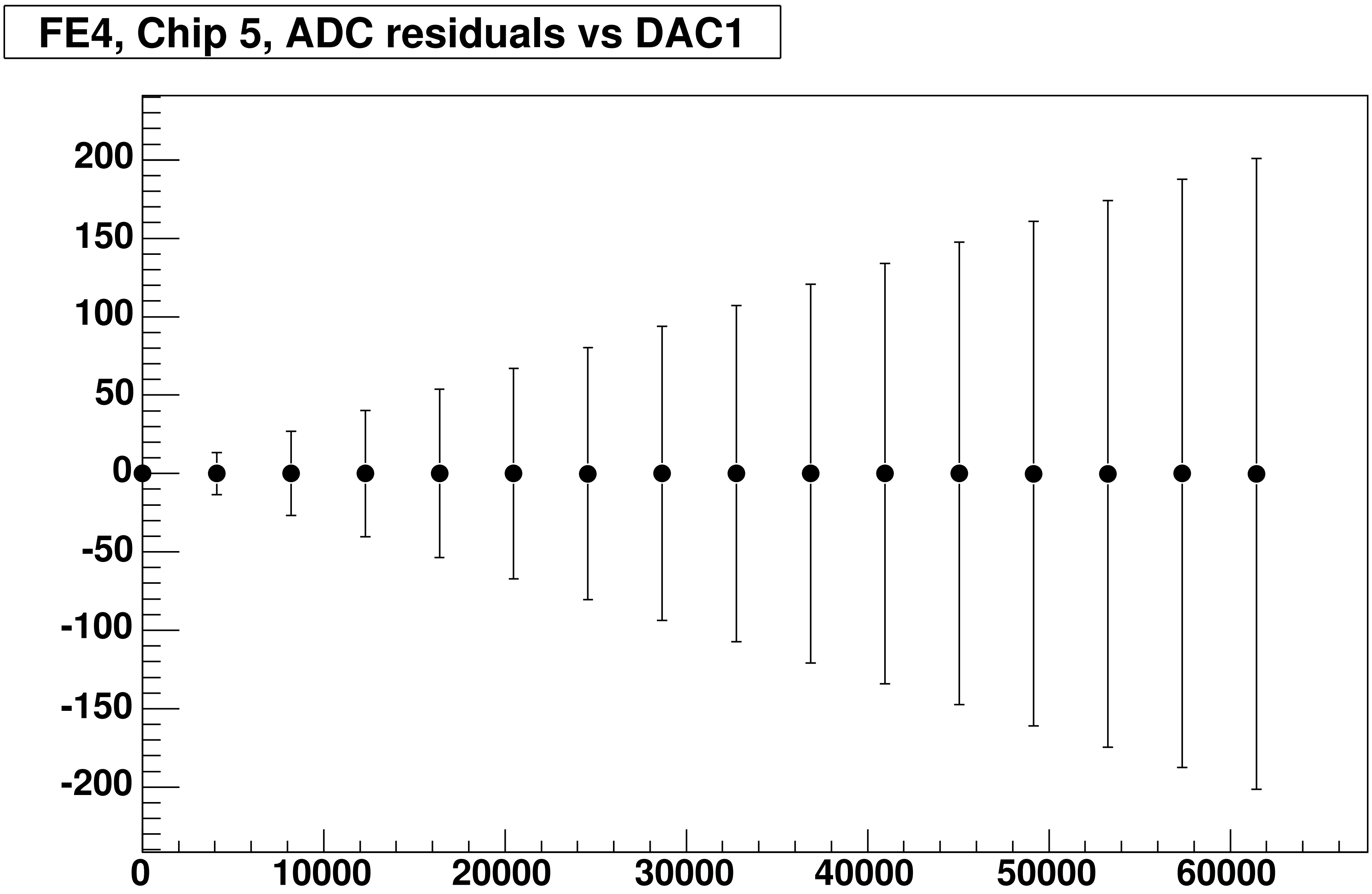
FE4, Chip 5, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

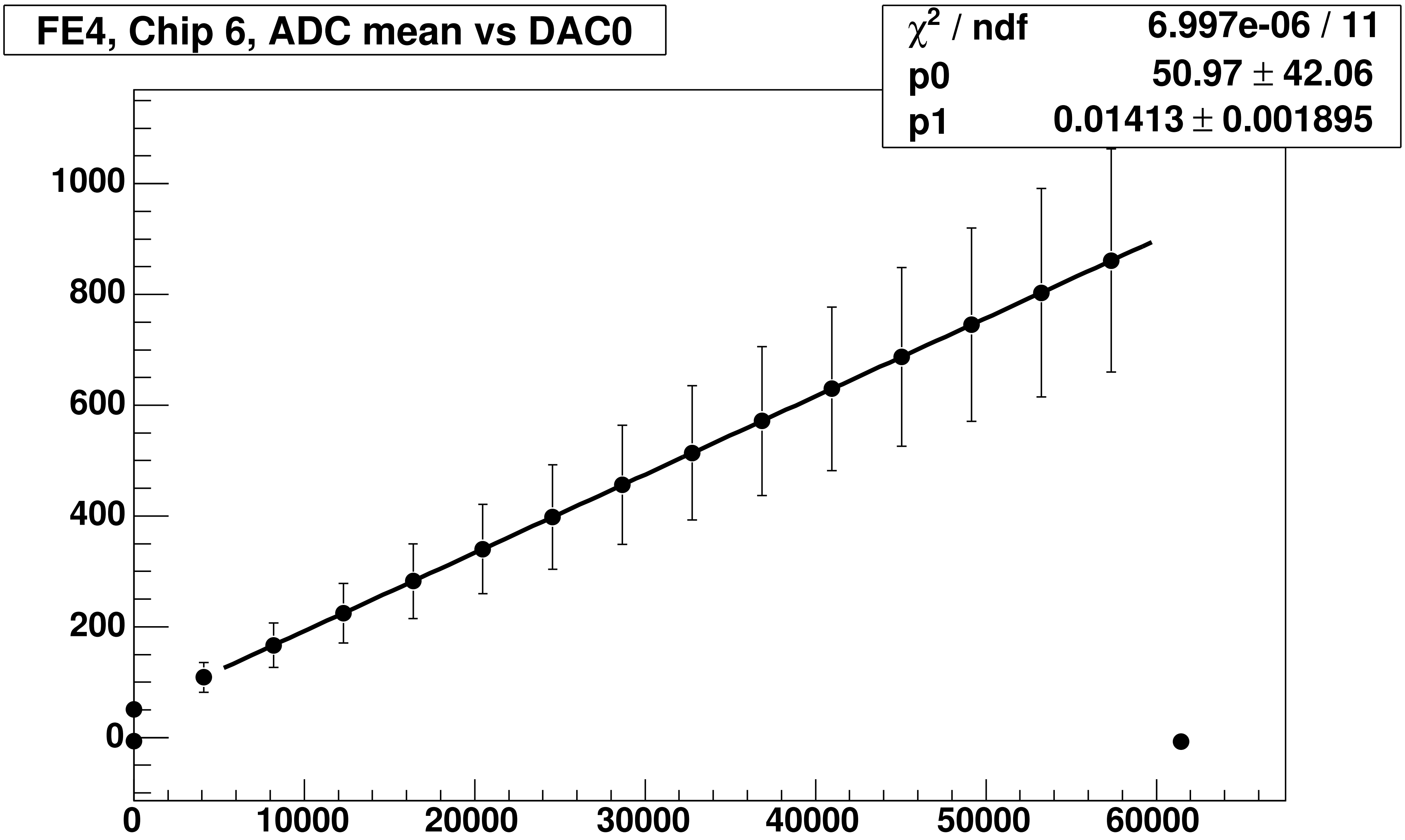

FE4, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



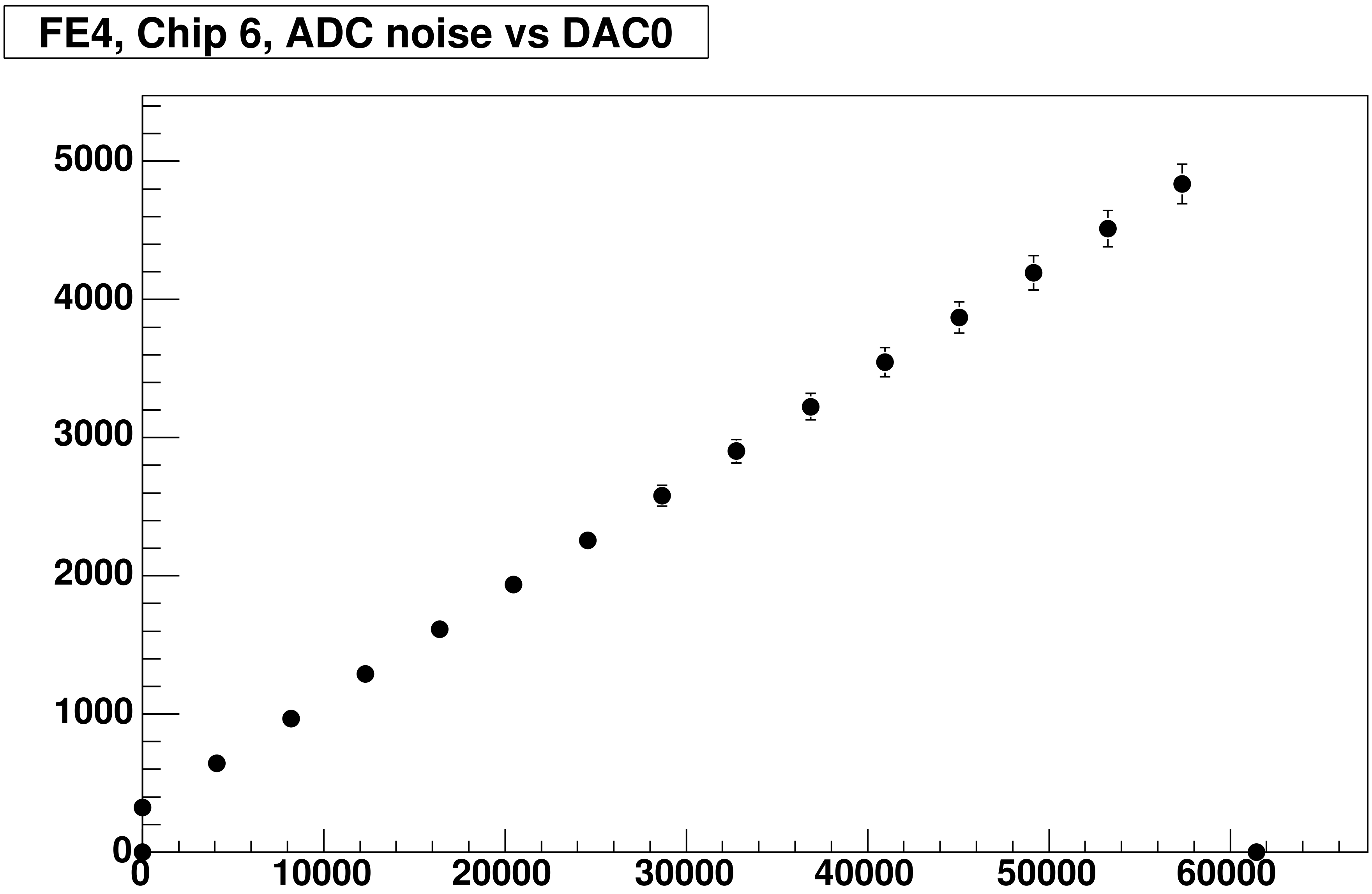
FE4, Chip 5, ADC mean vs DAC1
$\chi^2$ / ndf 9.359e-06 / 11
p0 70.93 ± 31.09
p1 0.0141 ± 0.001598
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

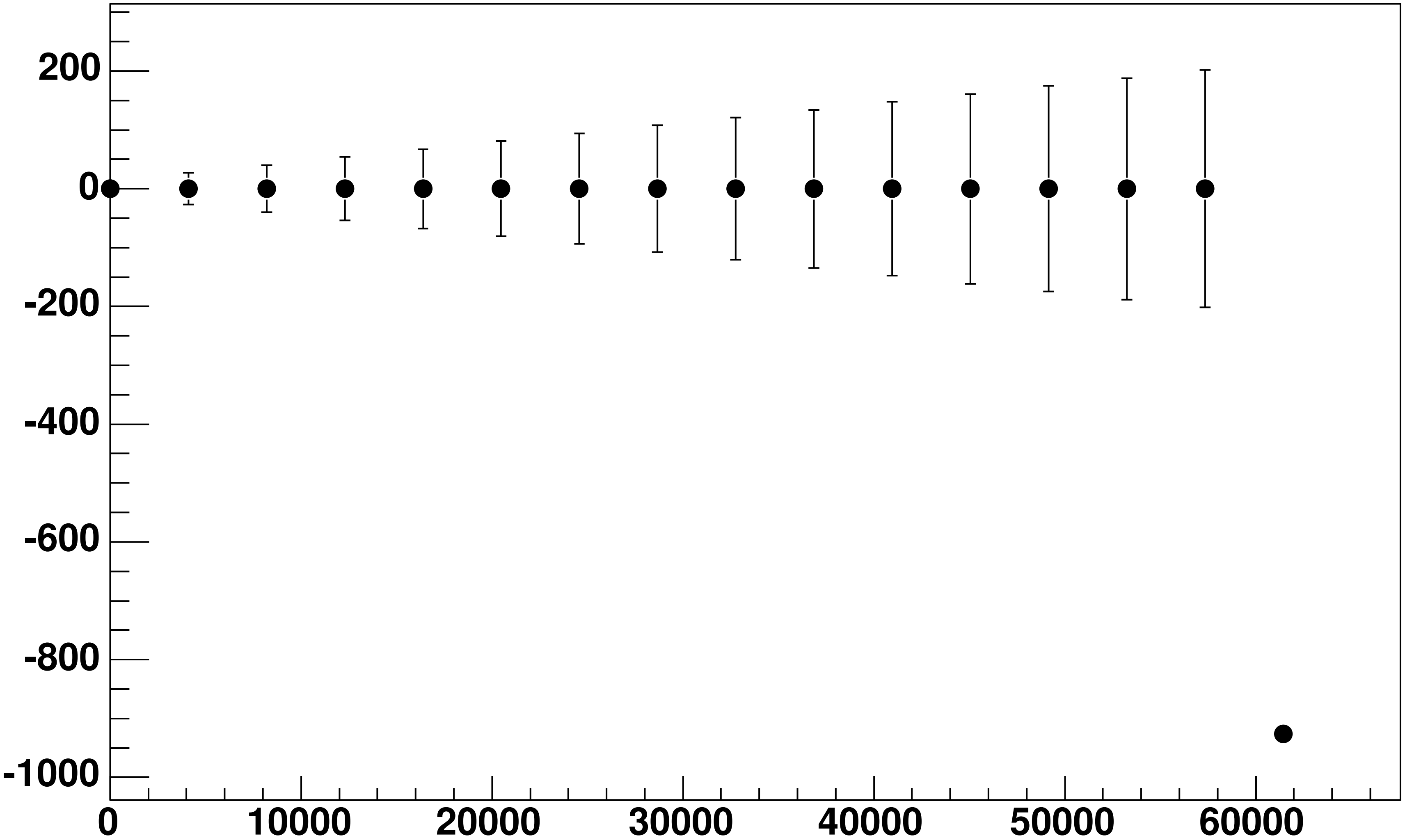

FE4, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

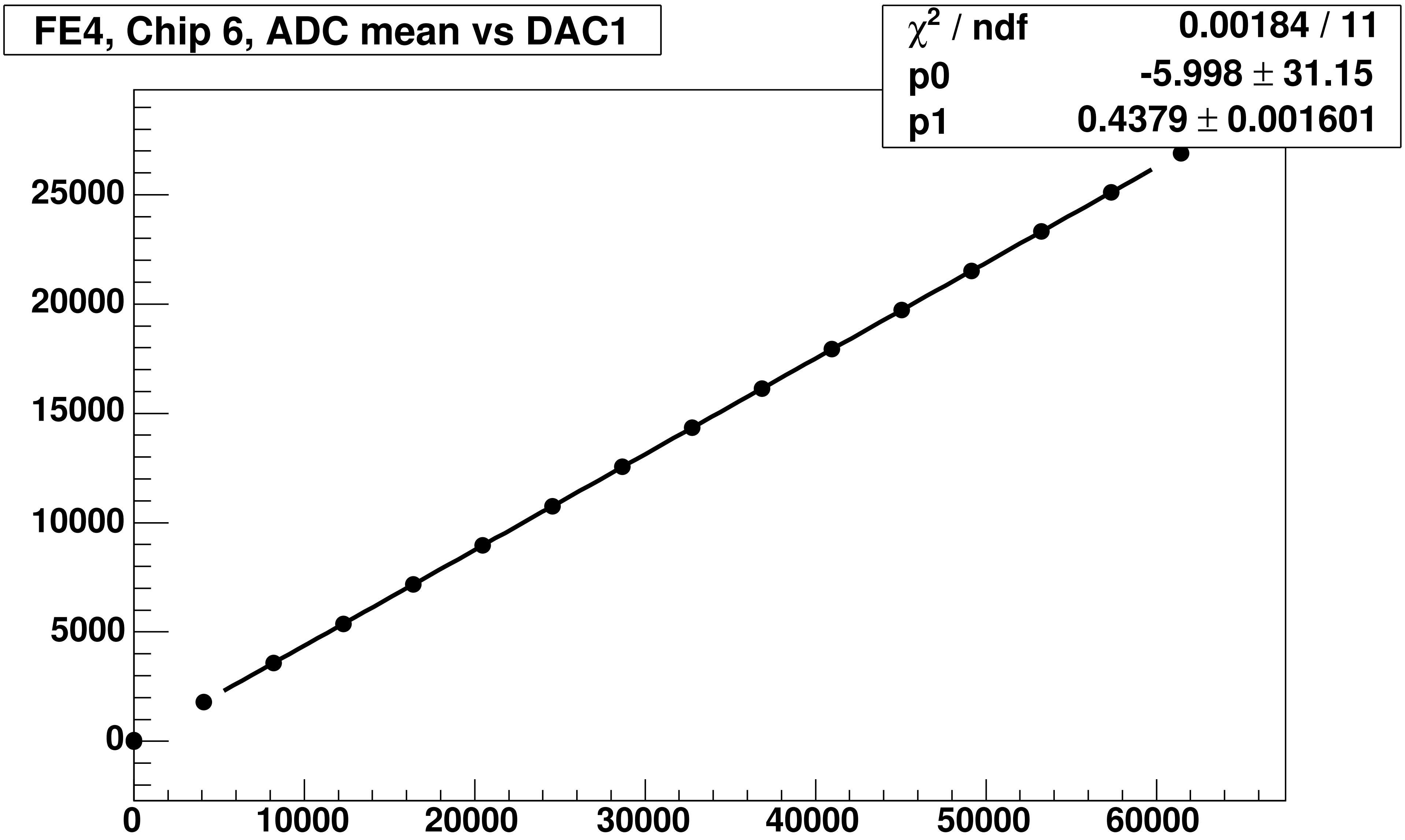


FE4, Chip 6, ADC mean vs DAC0
χ² / ndf 6.997e-06 / 11
p0 50.97 ± 42.06
p1 0.01413 ± 0.001895
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

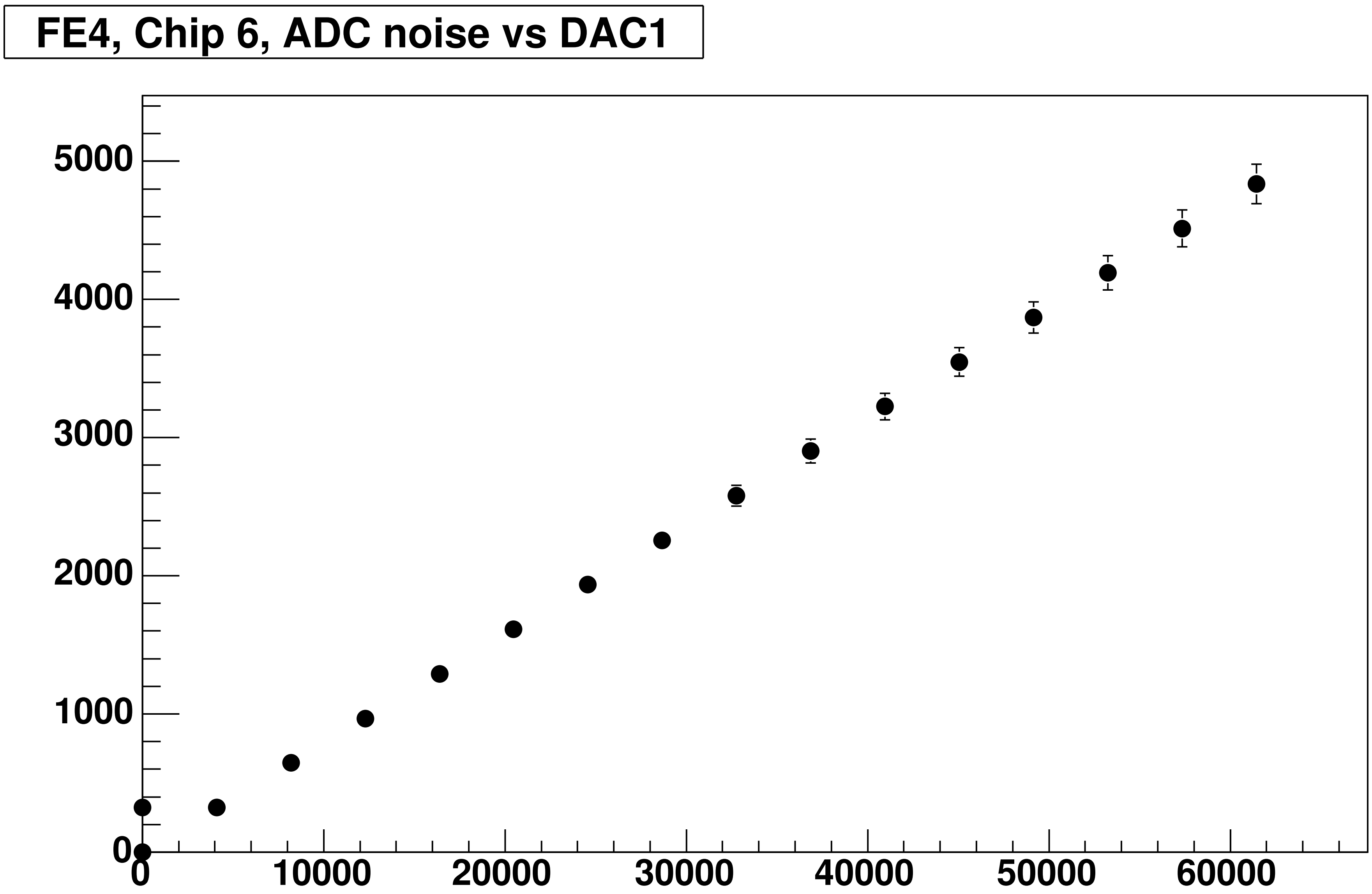

FE4, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

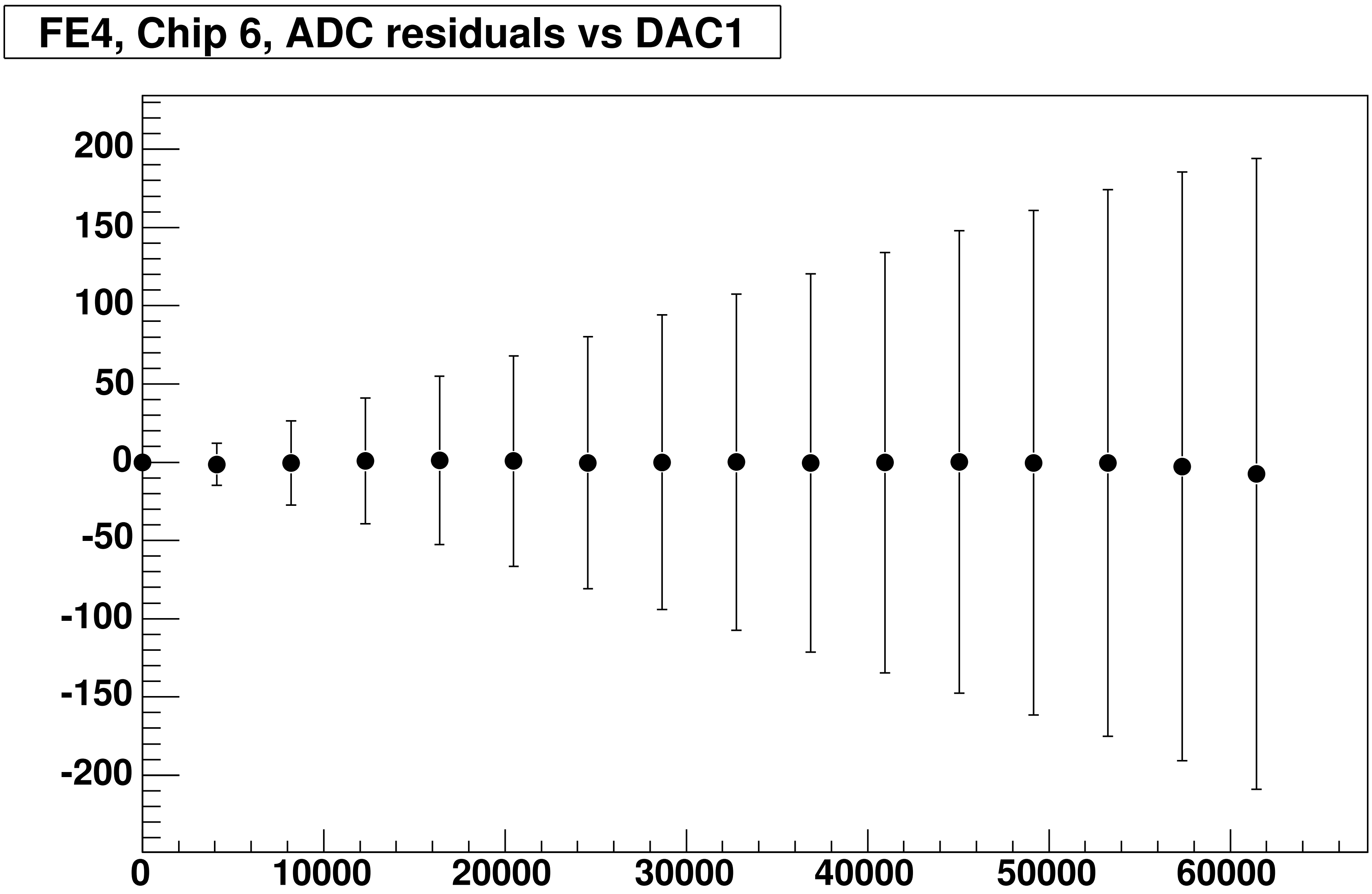
FE4, Chip 6, ADC residuals vs DAC0

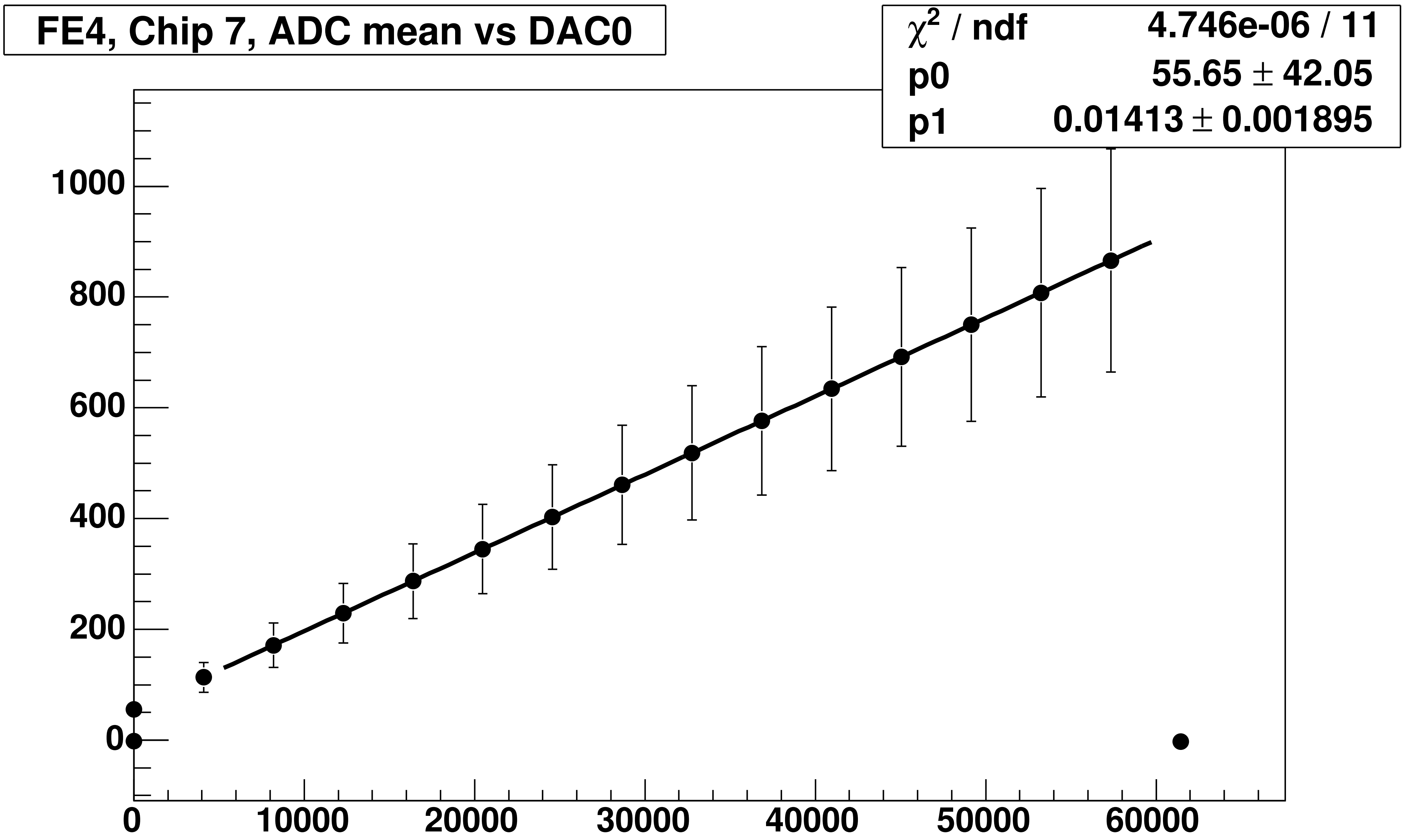


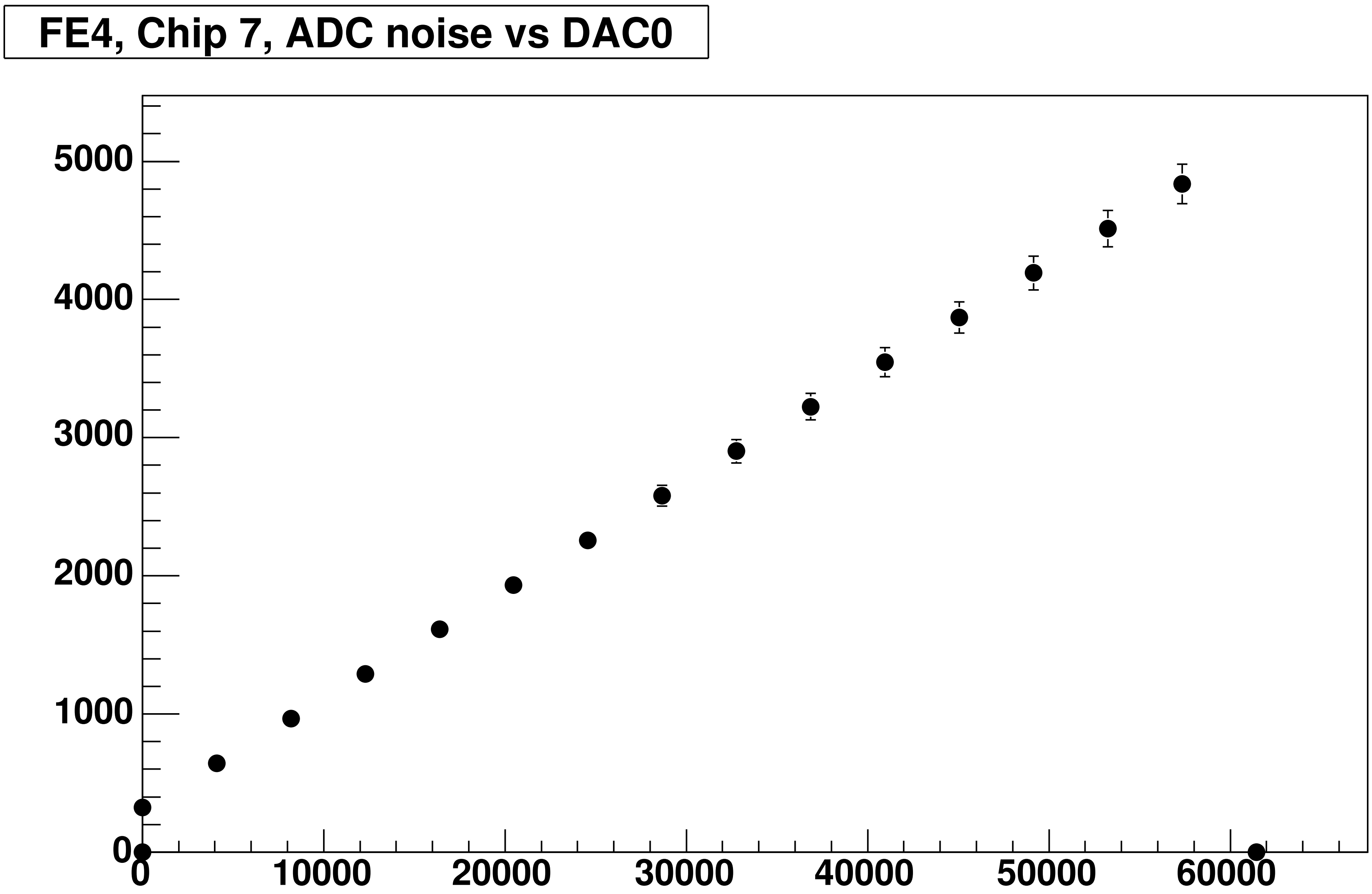


FE4, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.00184 / 11
p0 -5.998 ± 31.15
p1 0.4379 ± 0.001601
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

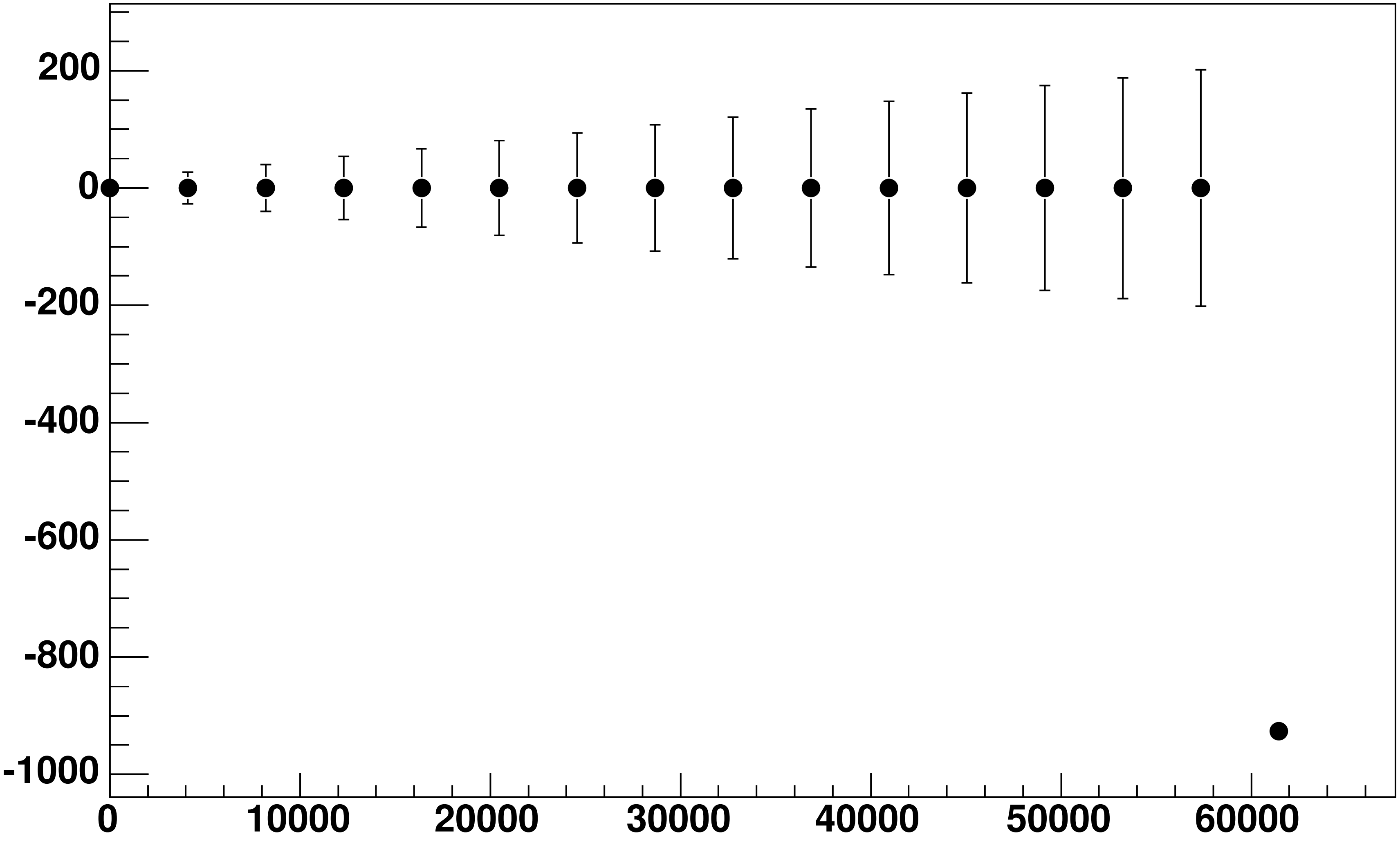

FE4, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

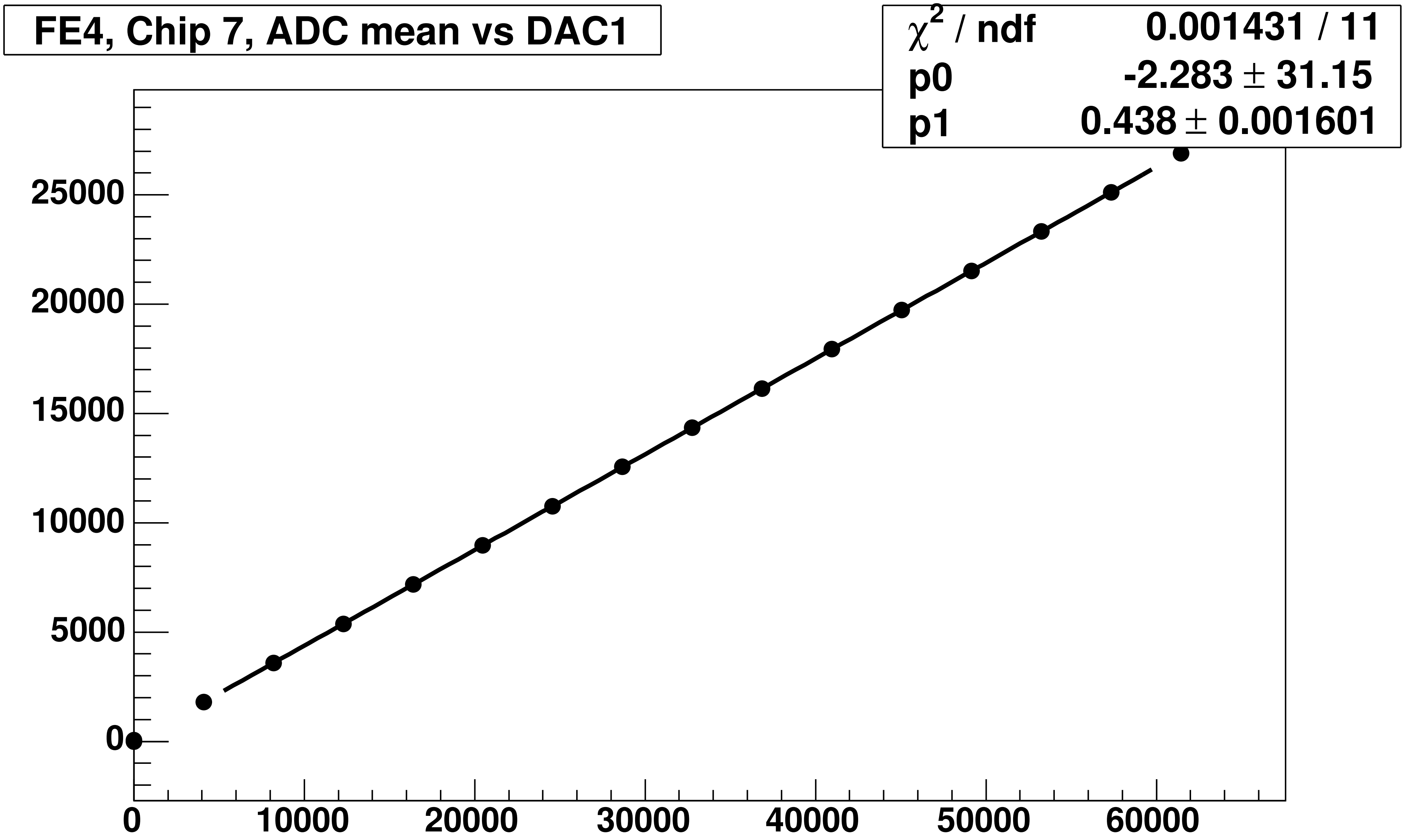

FE4, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

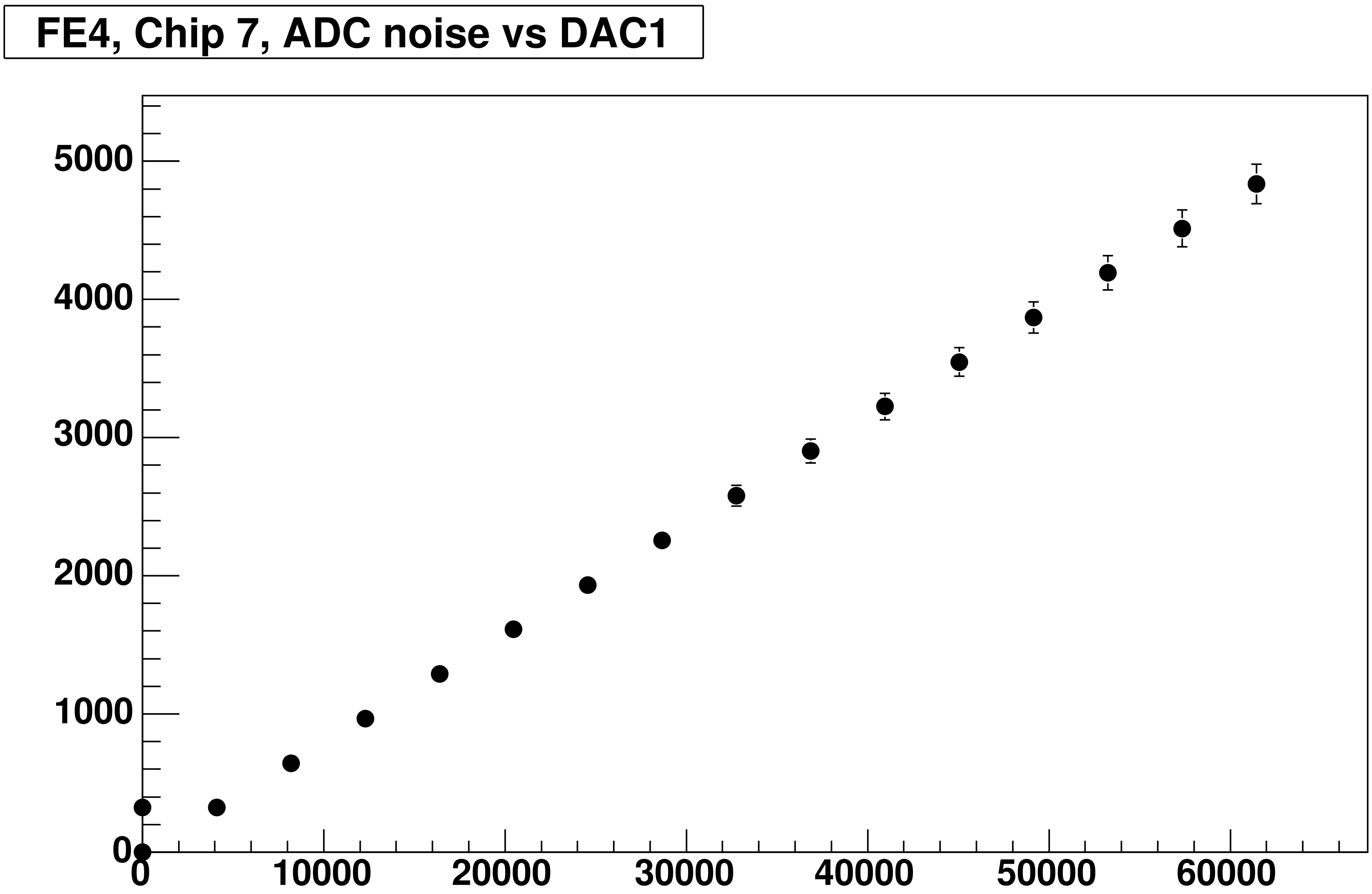

FE4, Chip 7, ADC mean vs DAC0
$\chi^2$ / ndf 4.746e-06 / 11
p0 55.65 ± 42.05
p1 0.01413 ± 0.001895
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

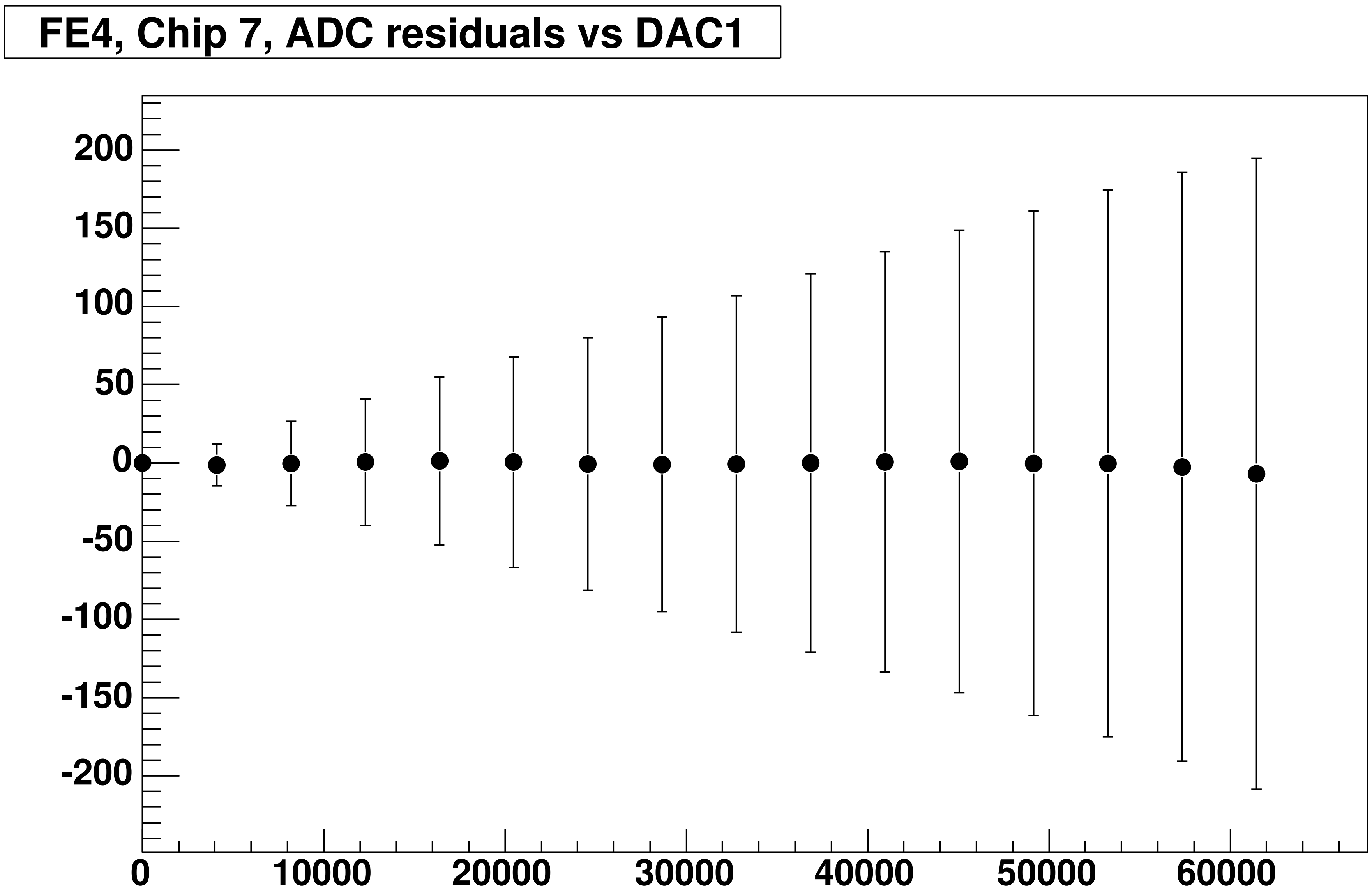

FE4, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

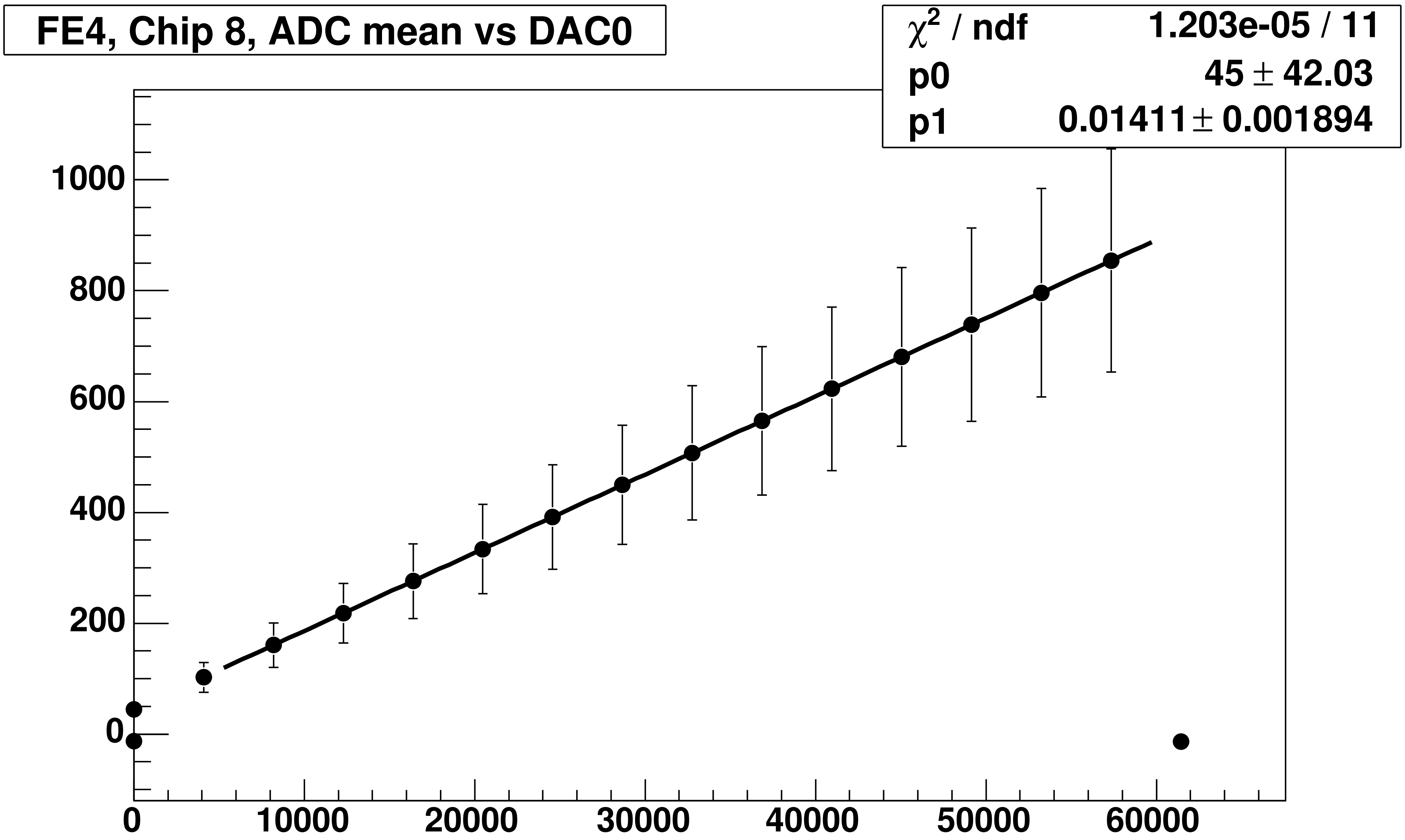
FE4, Chip 7, ADC residuals vs DAC0

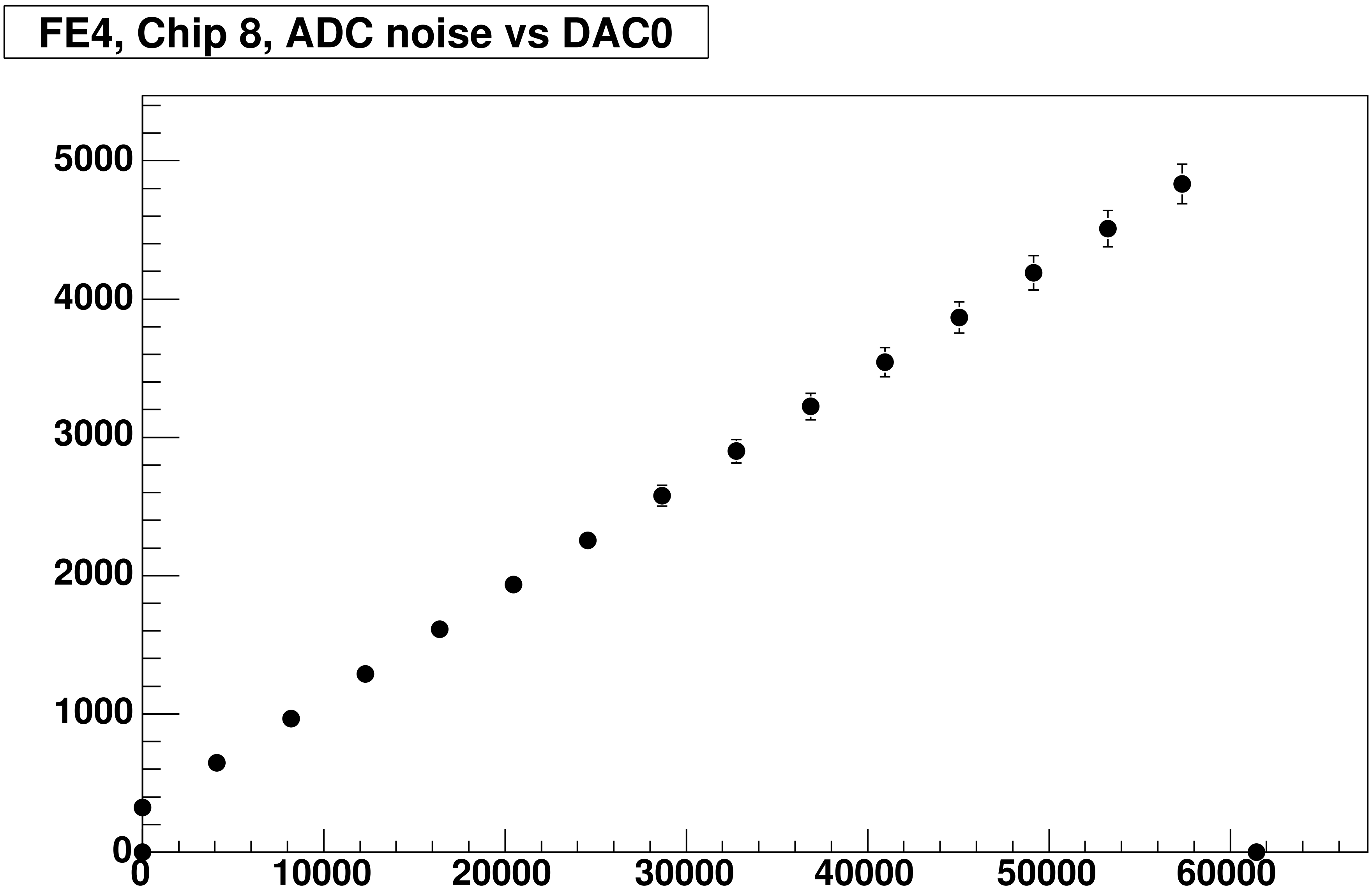


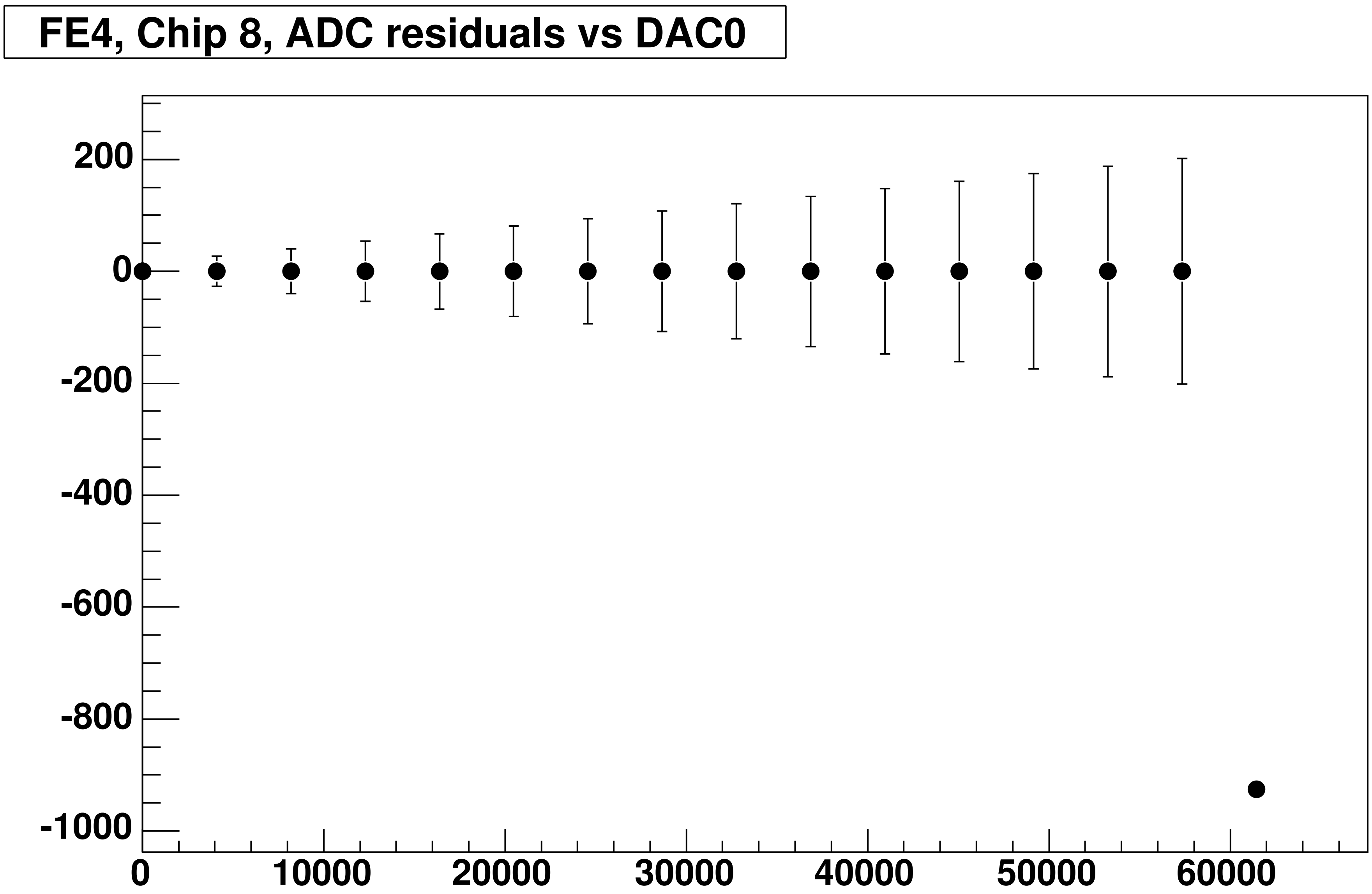

FE4, Chip 7, ADC mean vs DAC1
$\chi^2$ / ndf 0.001431 / 11
p0 -2.283 ± 31.15
p1 0.438 ± 0.001601
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000

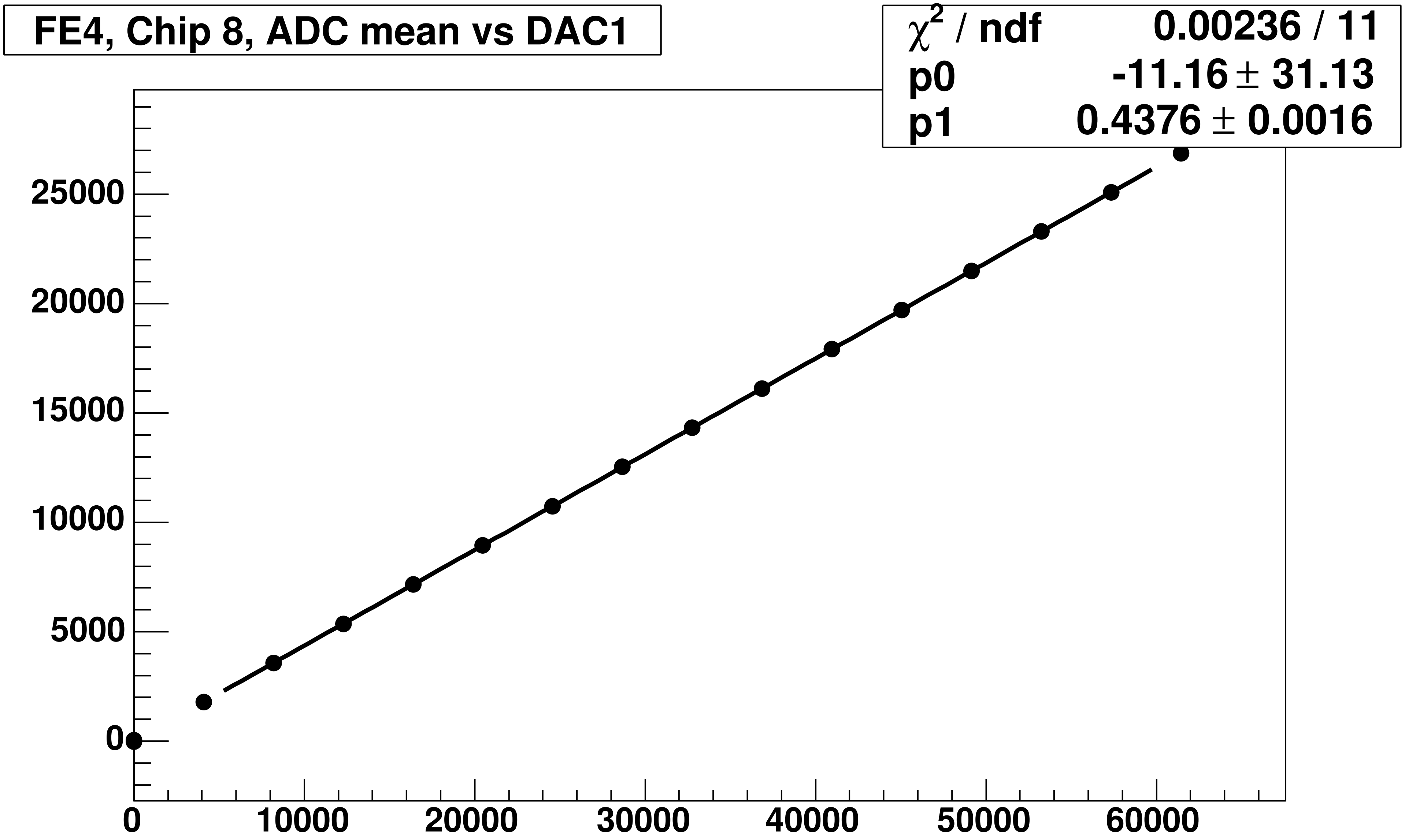

FE4, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

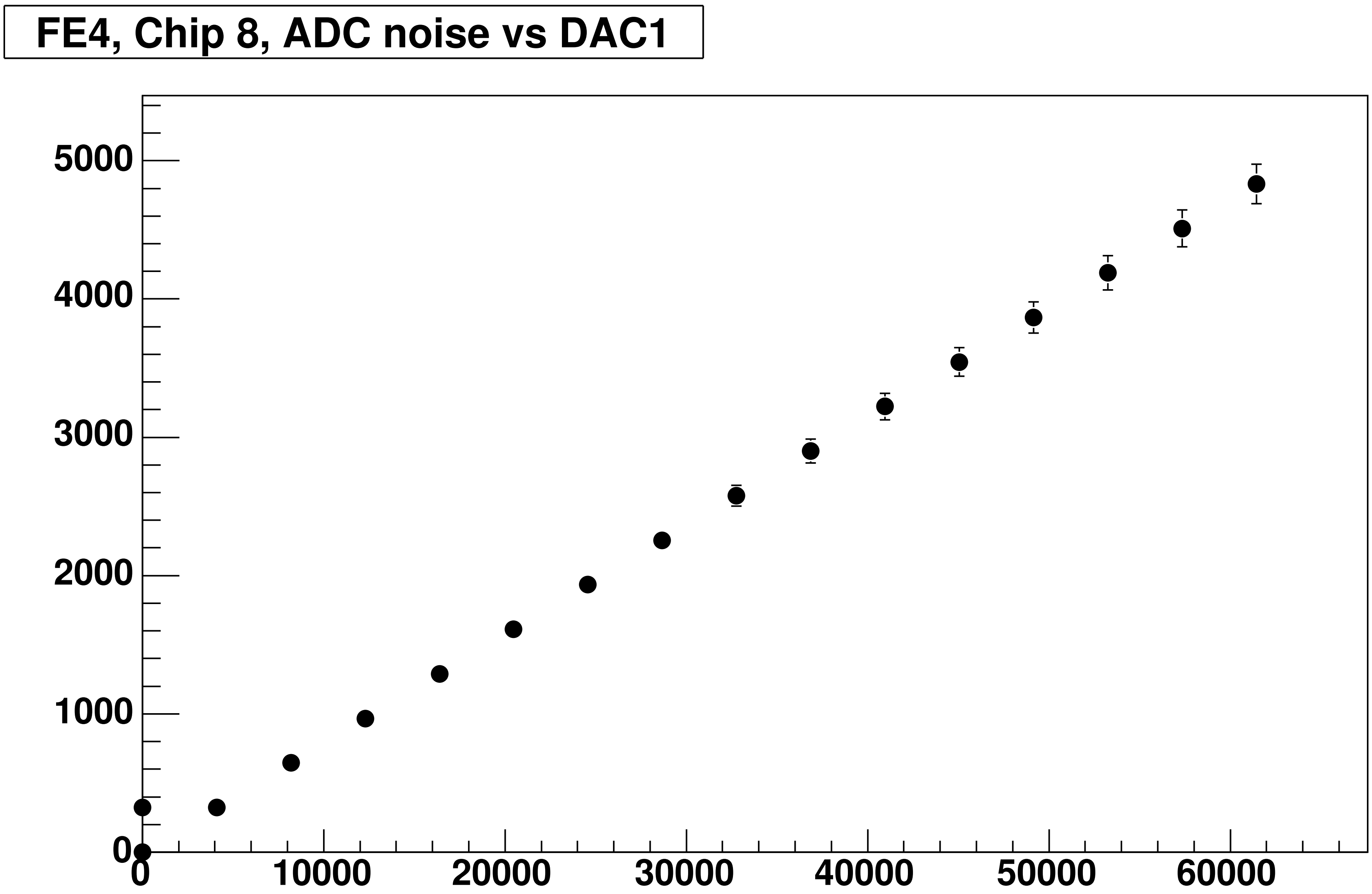

FE4, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

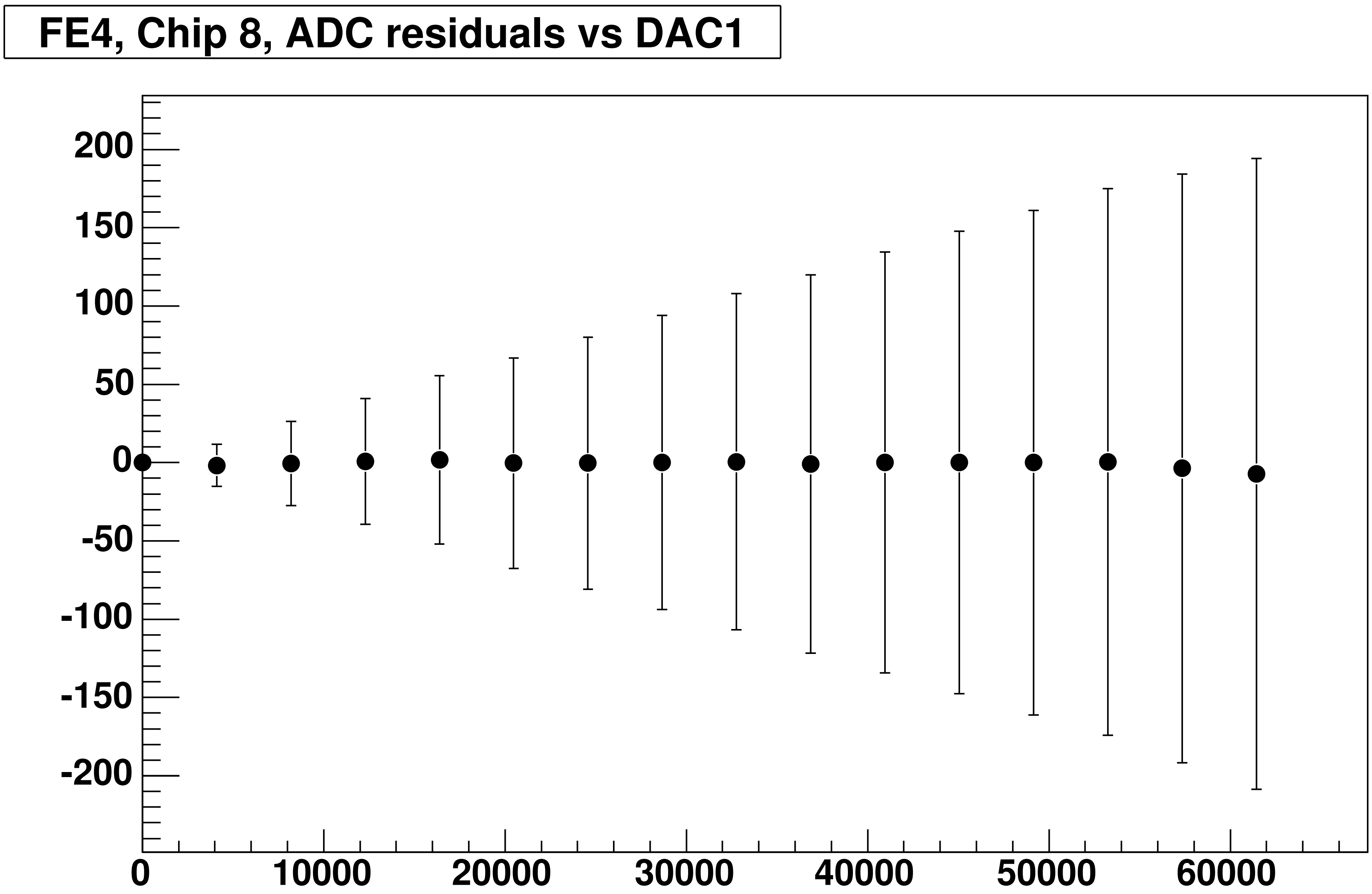

FE4, Chip 8, ADC mean vs DAC0
$\chi^2$ / ndf 1.203e-05 / 11
p0 45 ± 42.03
p1 0.01411 ± 0.001894
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

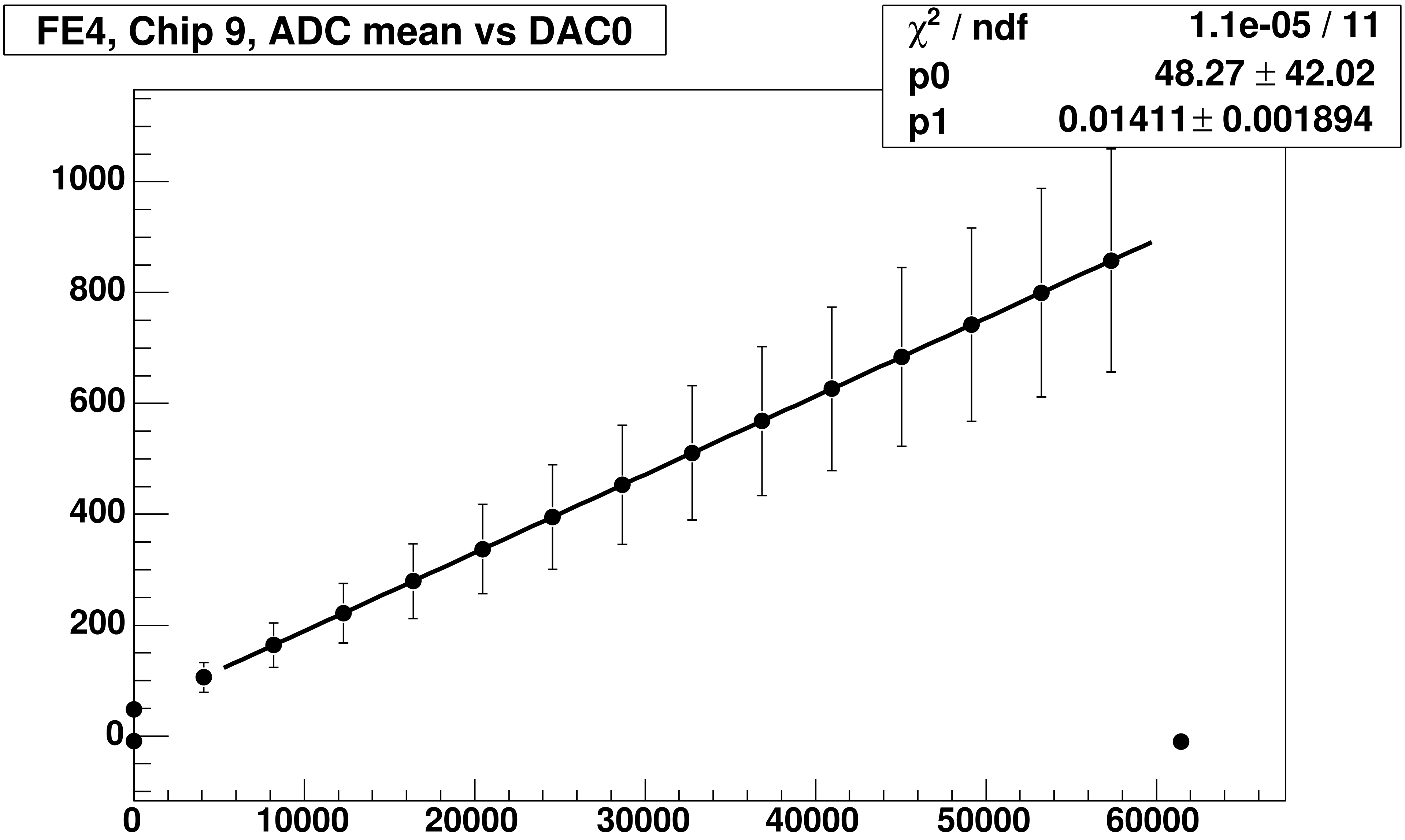

FE4, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

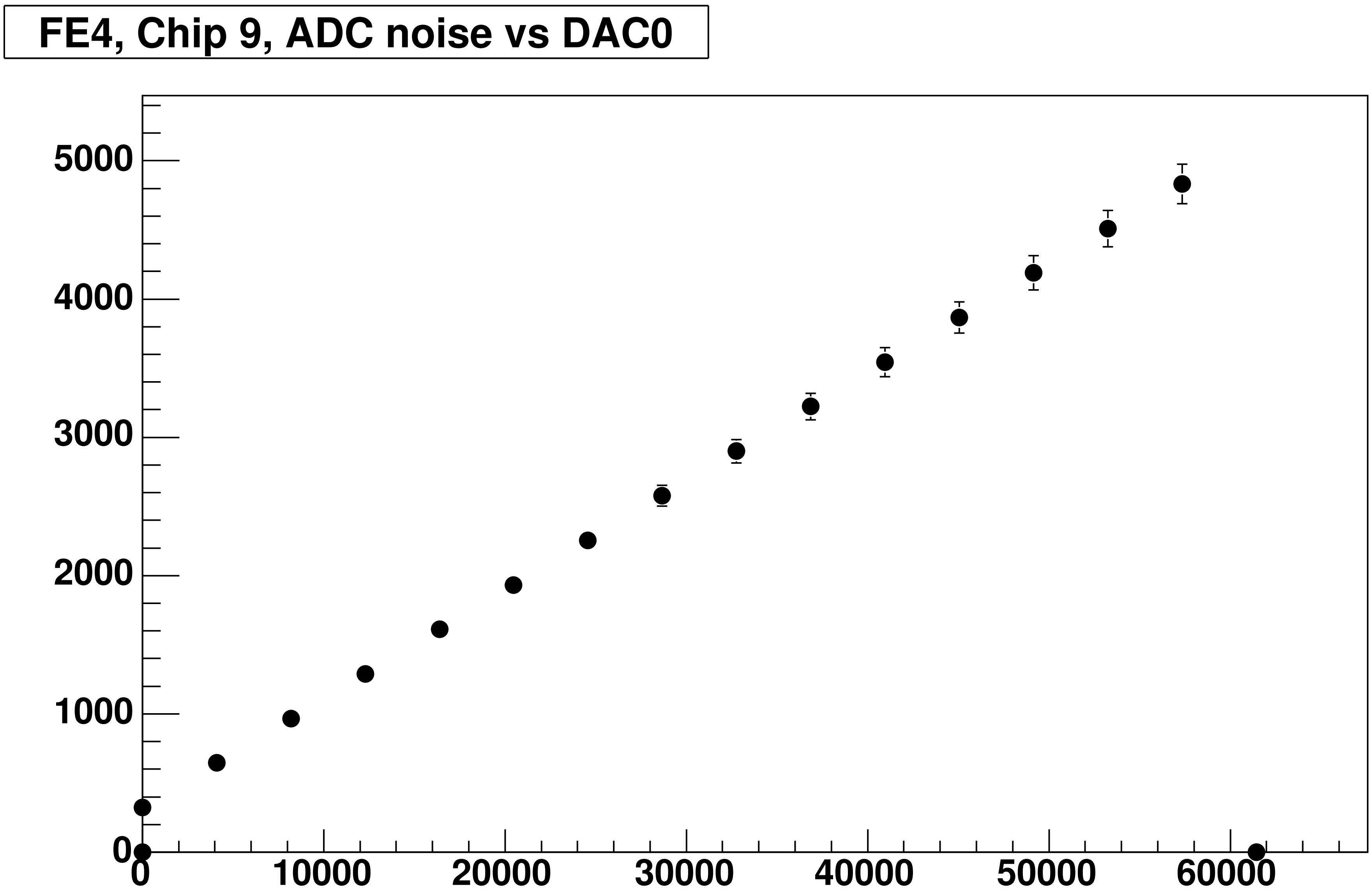

FE4, Chip 8, ADC mean vs DAC1
$\chi^2$ / ndf 0.00236 / 11
p0 -11.16 ± 31.13
p1 0.4376 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

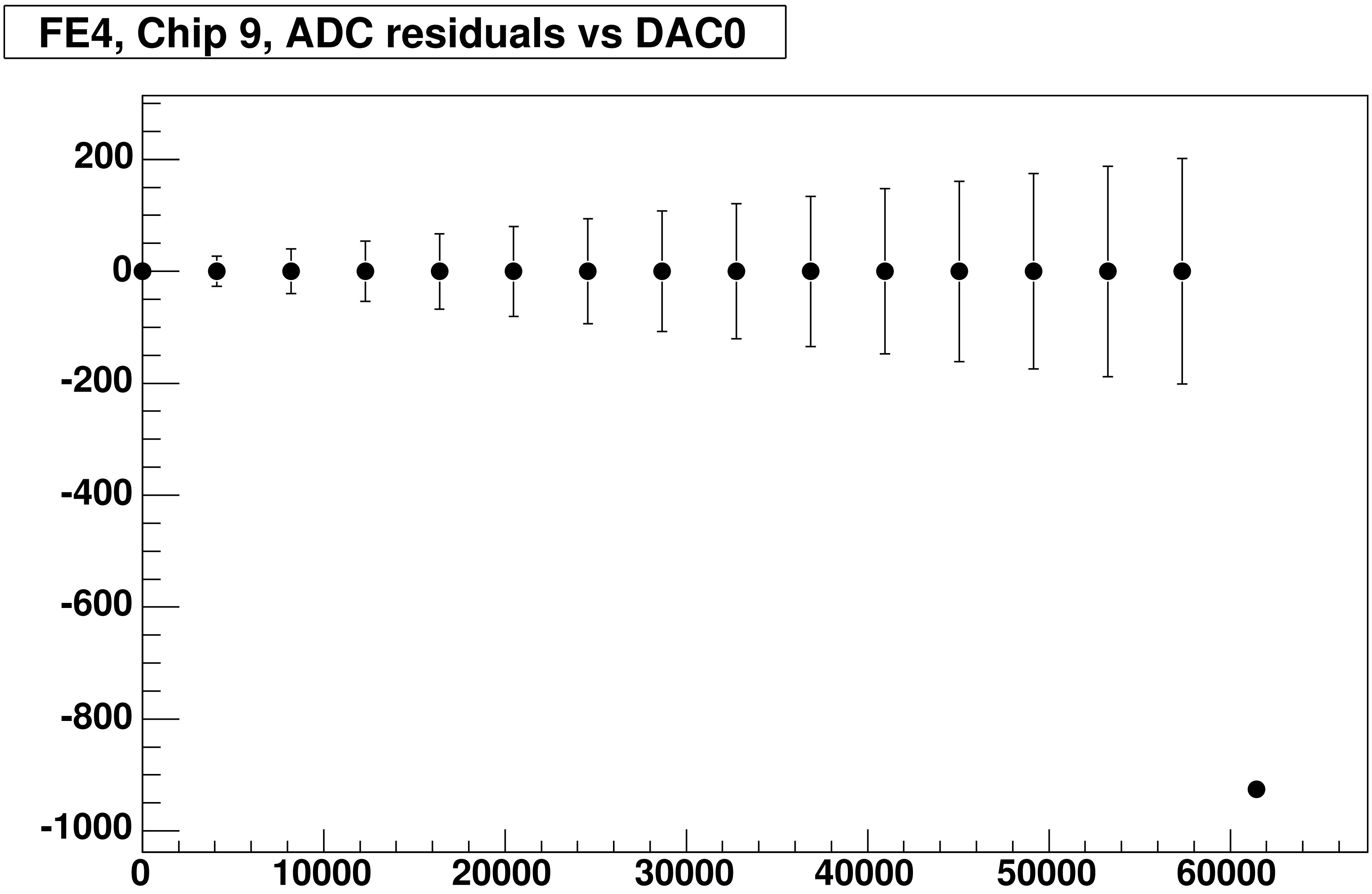

FE4, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

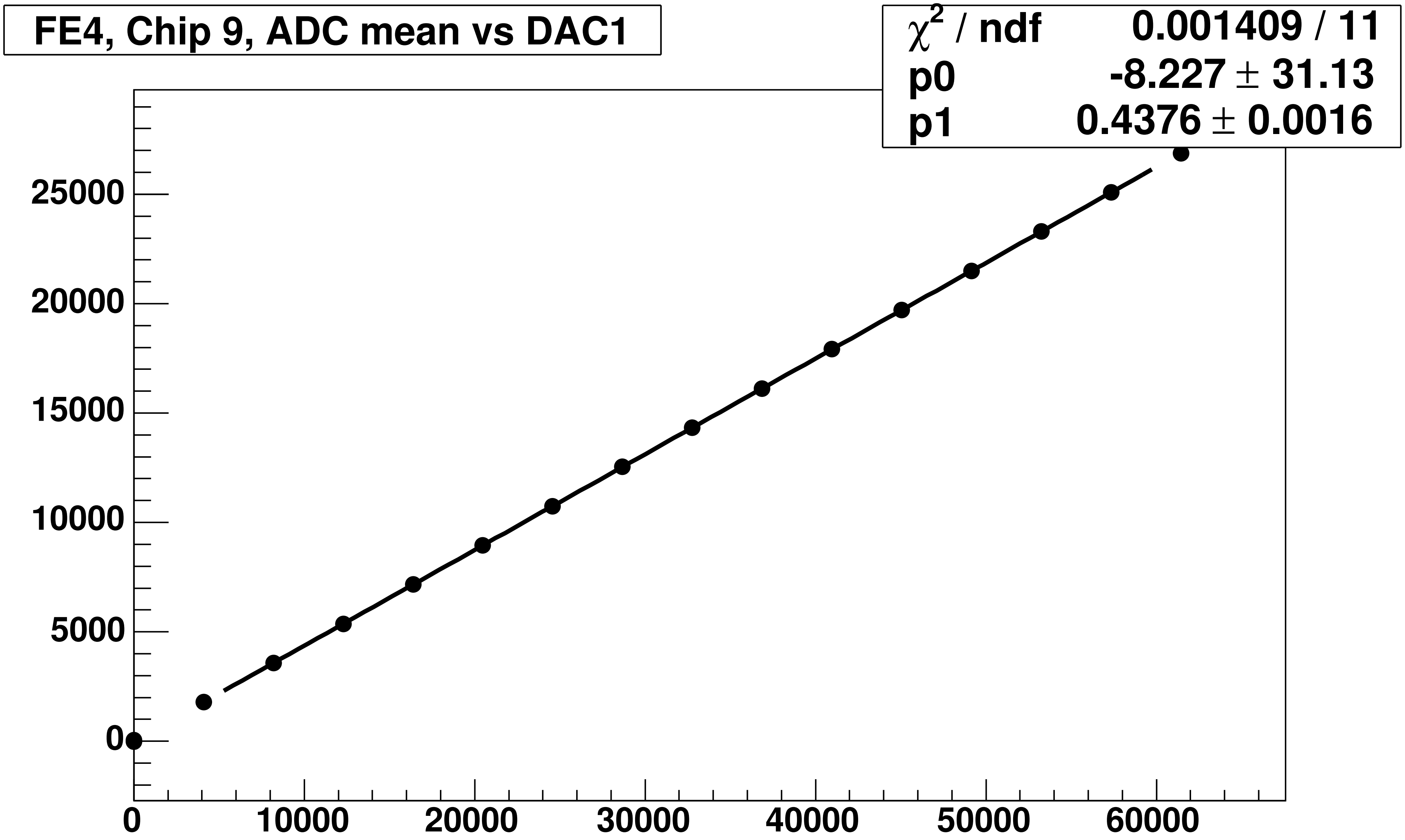

FE4, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

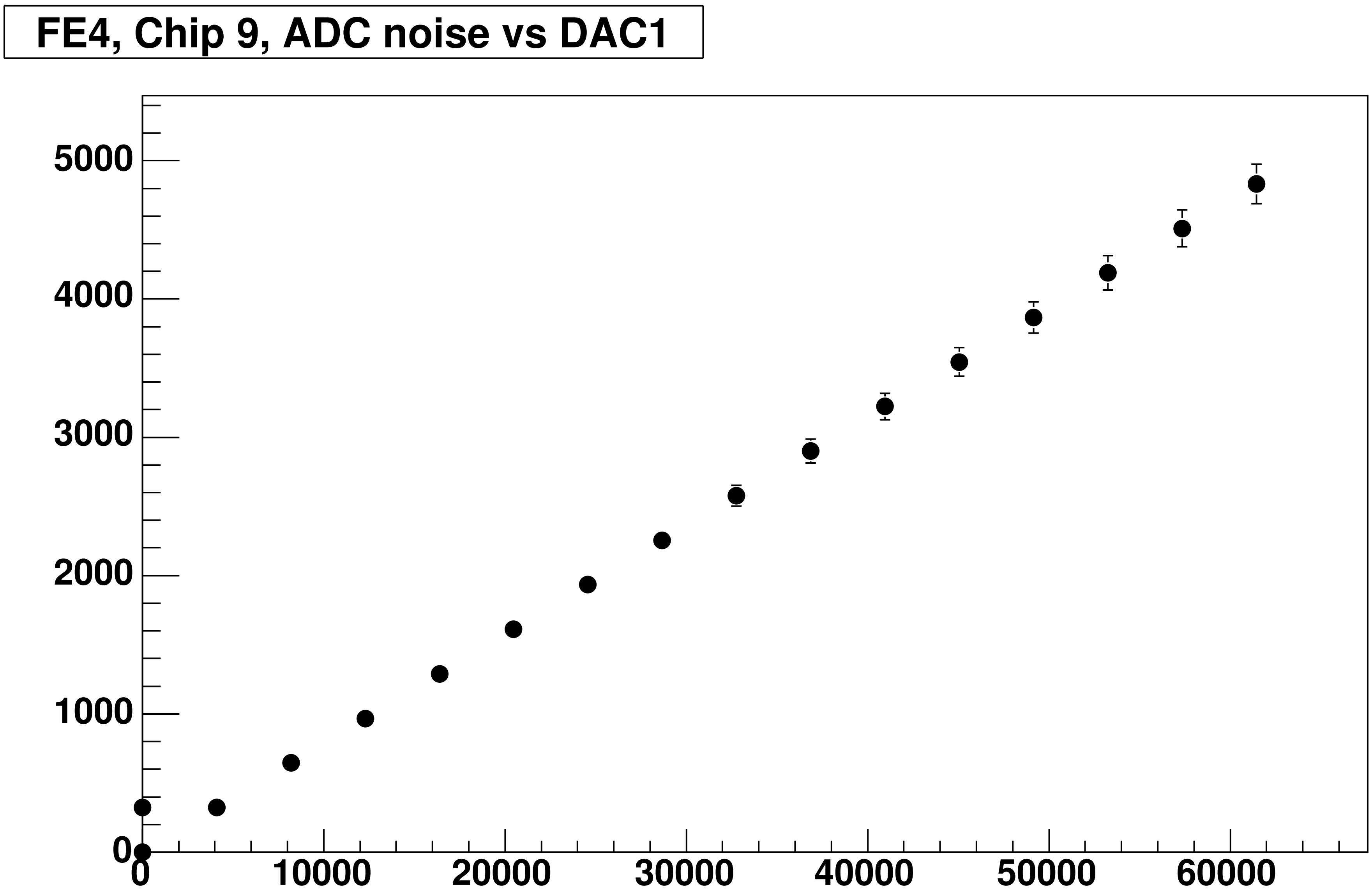


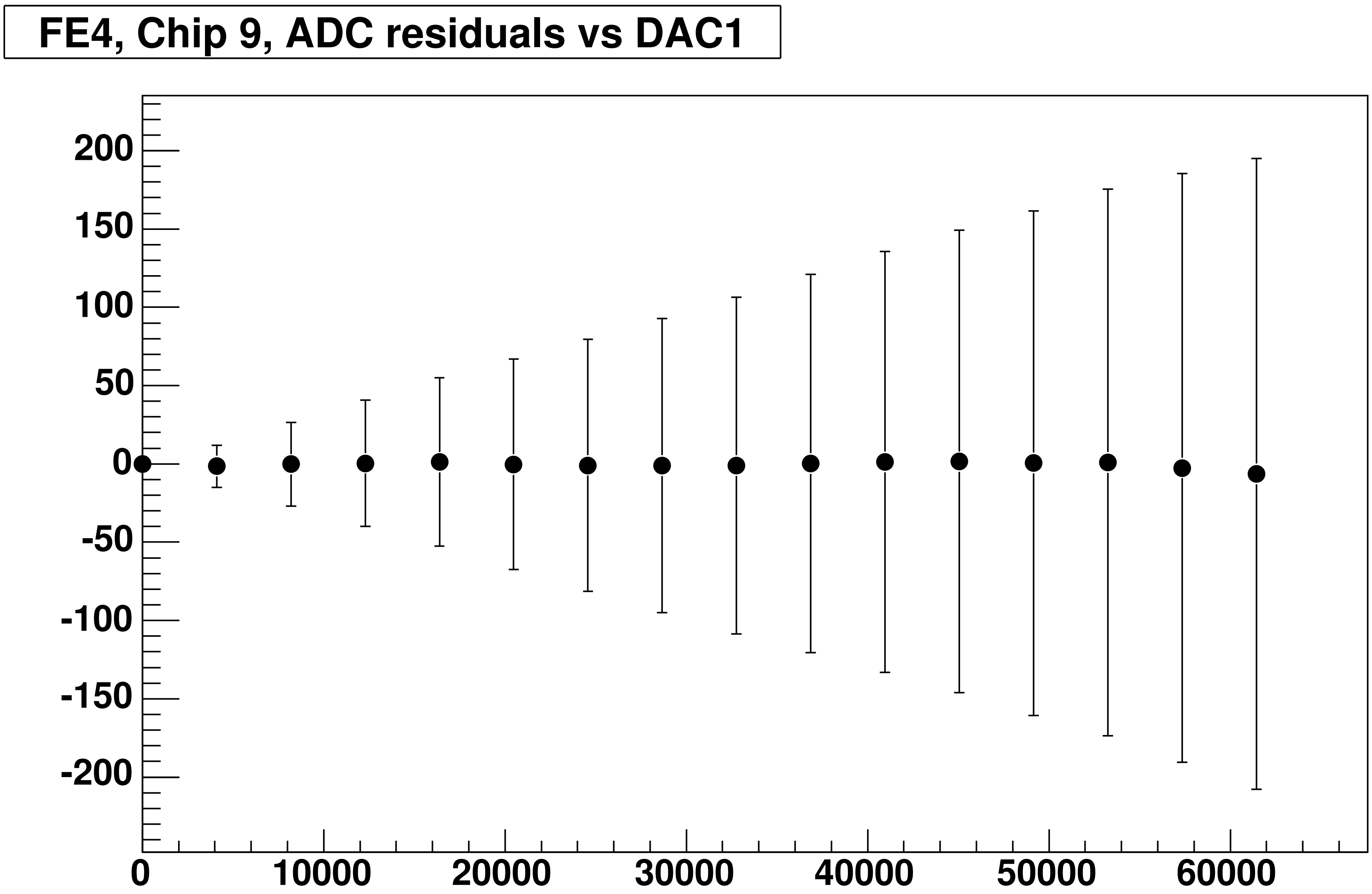
FE4, Chip 9, ADC mean vs DAC0
$\chi^2$ / ndf 1.1e-05 / 11
p0 48.27 ± 42.02
p1 0.01411 ± 0.001894
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

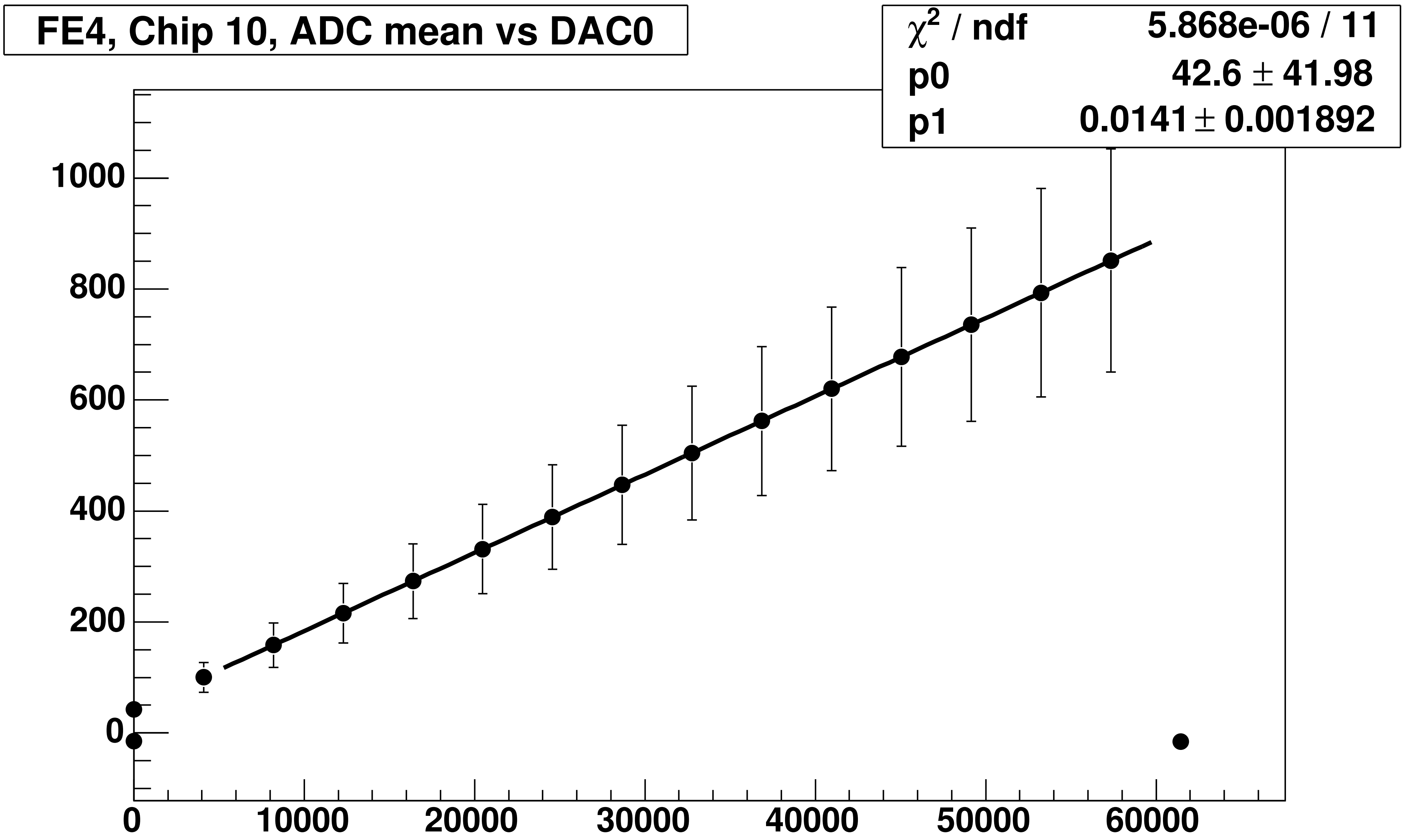

FE4, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

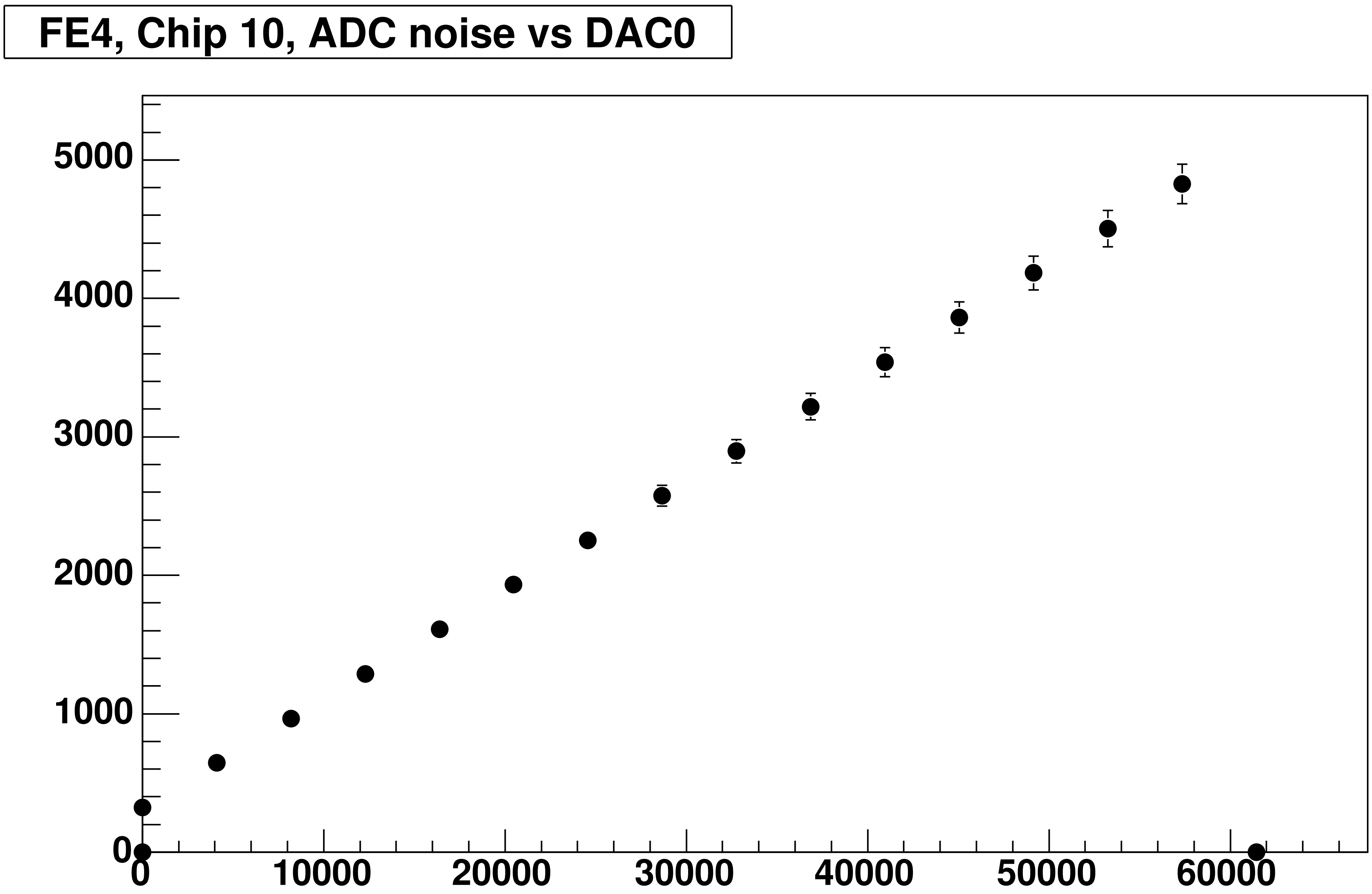

FE4, Chip 9, ADC mean vs DAC1
$\chi^2$ / ndf 0.001409 / 11
p0 -8.227 ± 31.13
p1 0.4376 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

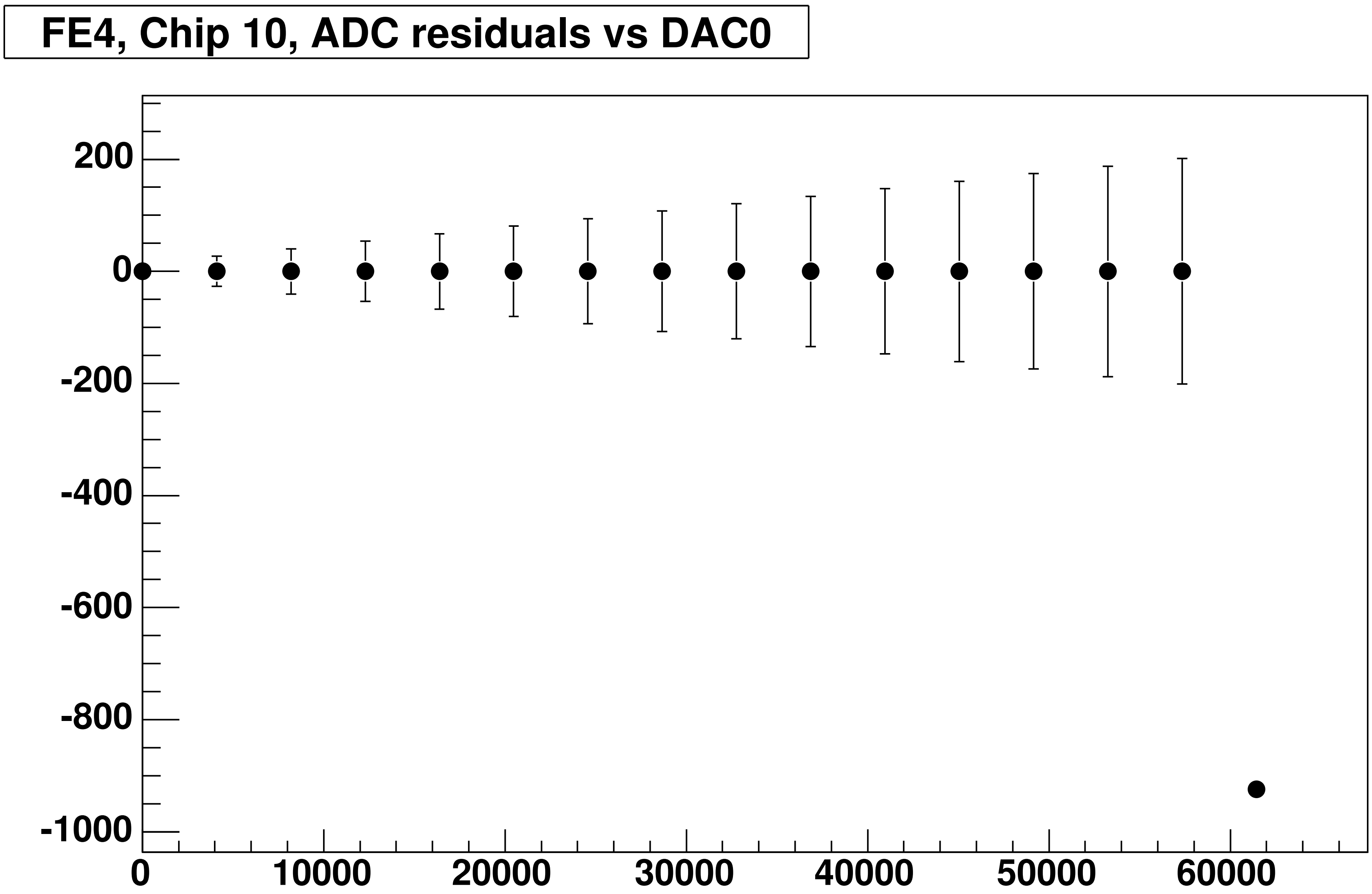

FE4, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

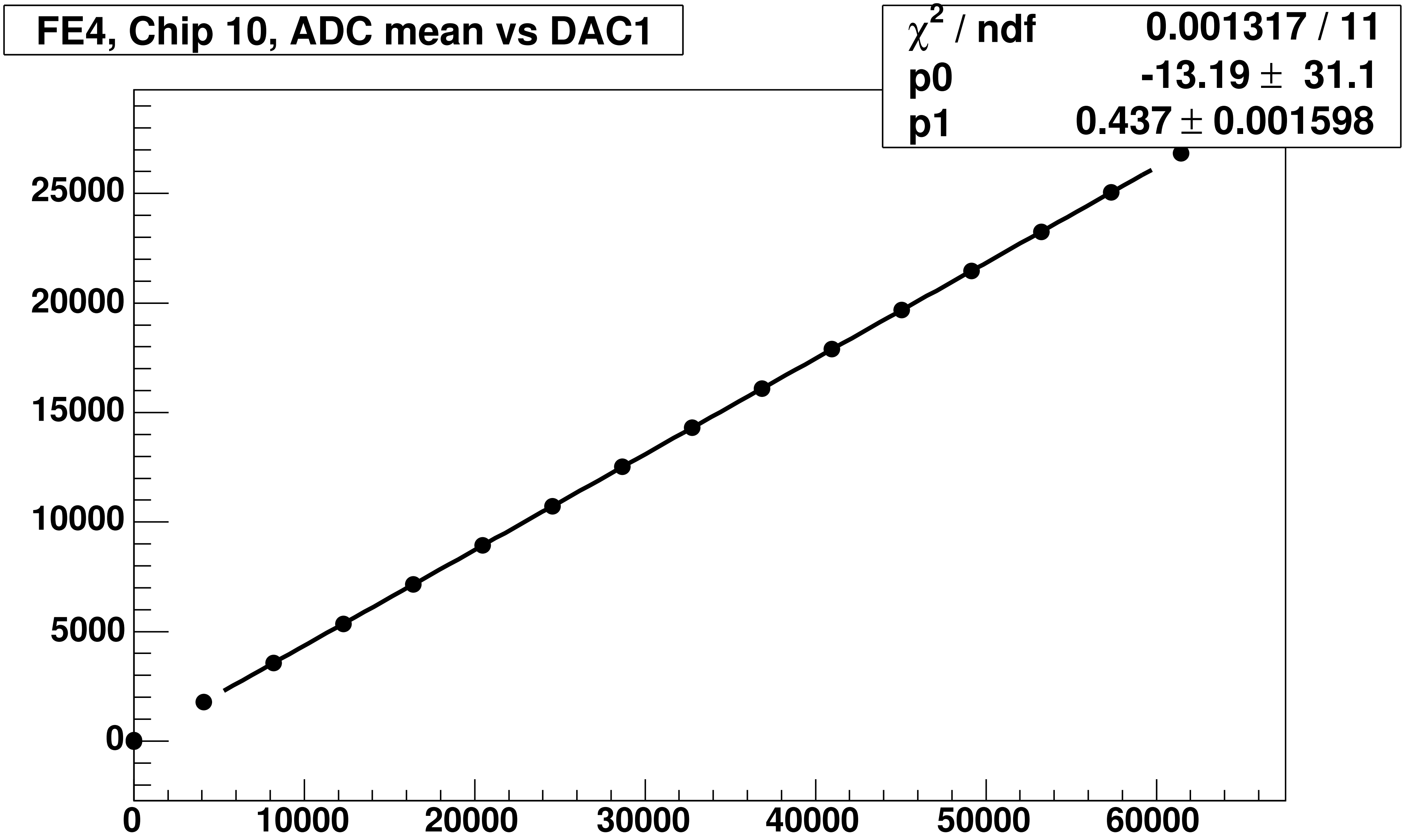

FE4, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



FE4, Chip 10, ADC mean vs DAC0
$\chi^2$ / ndf 5.868e-06 / 11
p0 42.6 ± 41.98
p1 0.0141 ± 0.001892
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

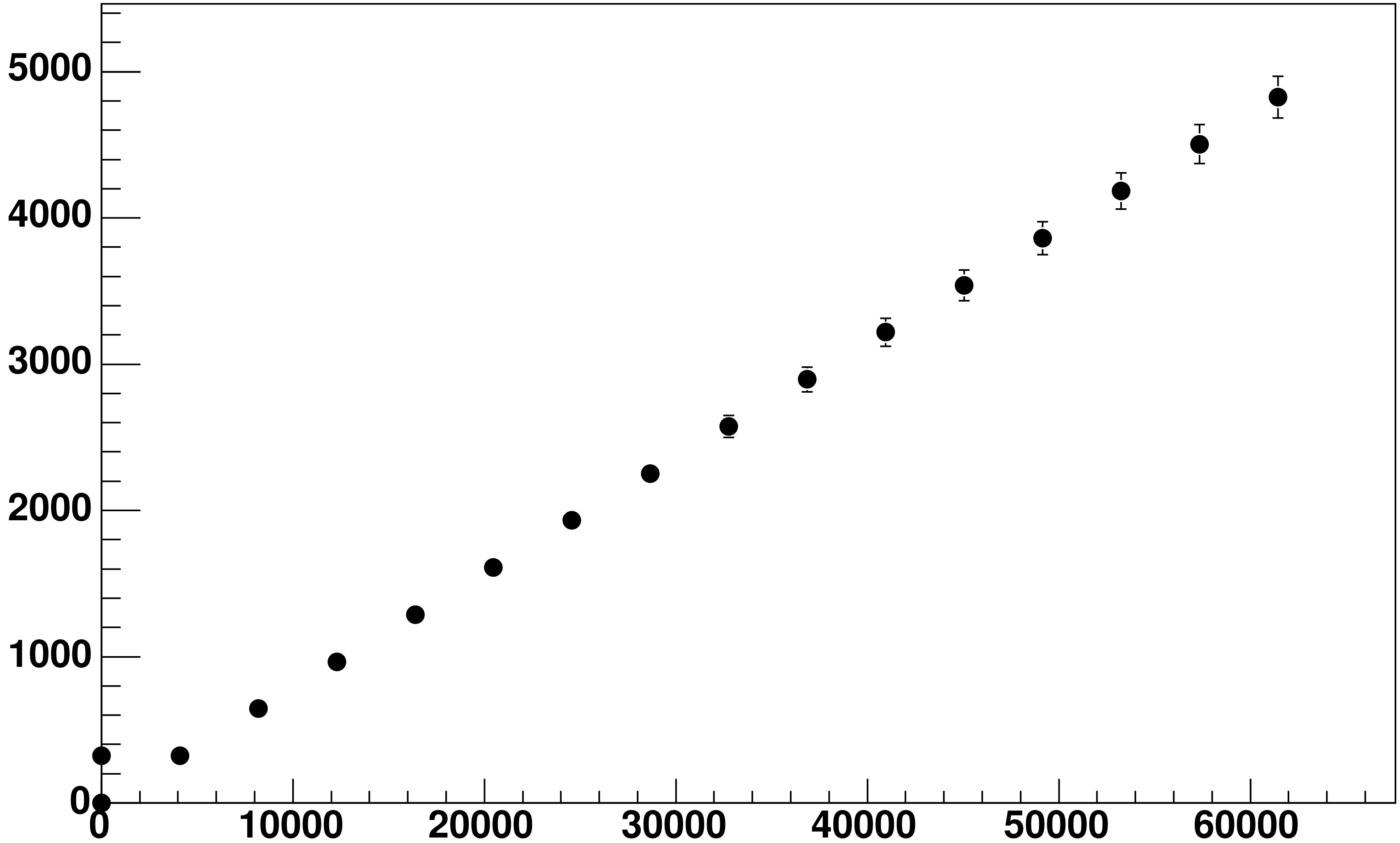

FE4, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

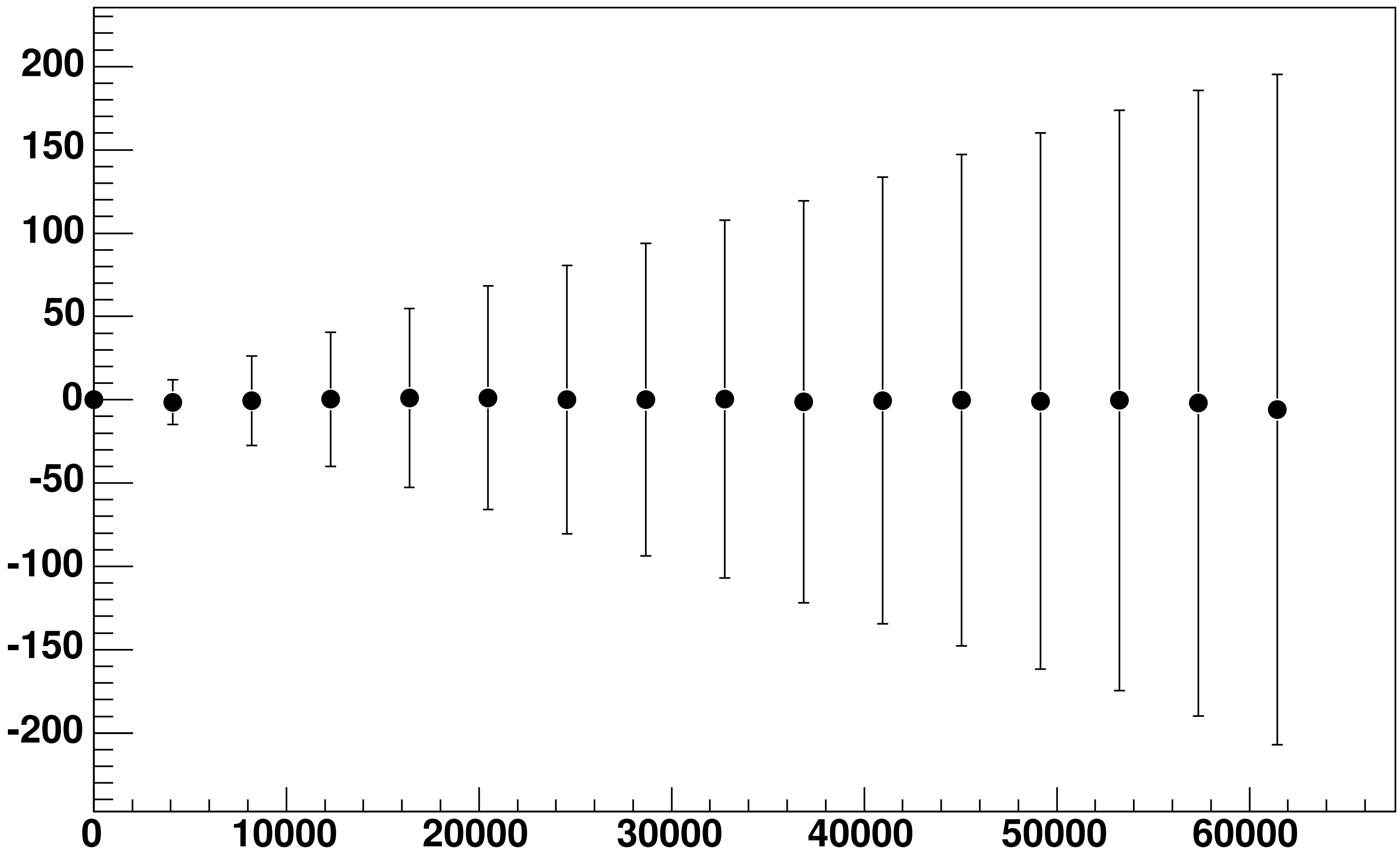


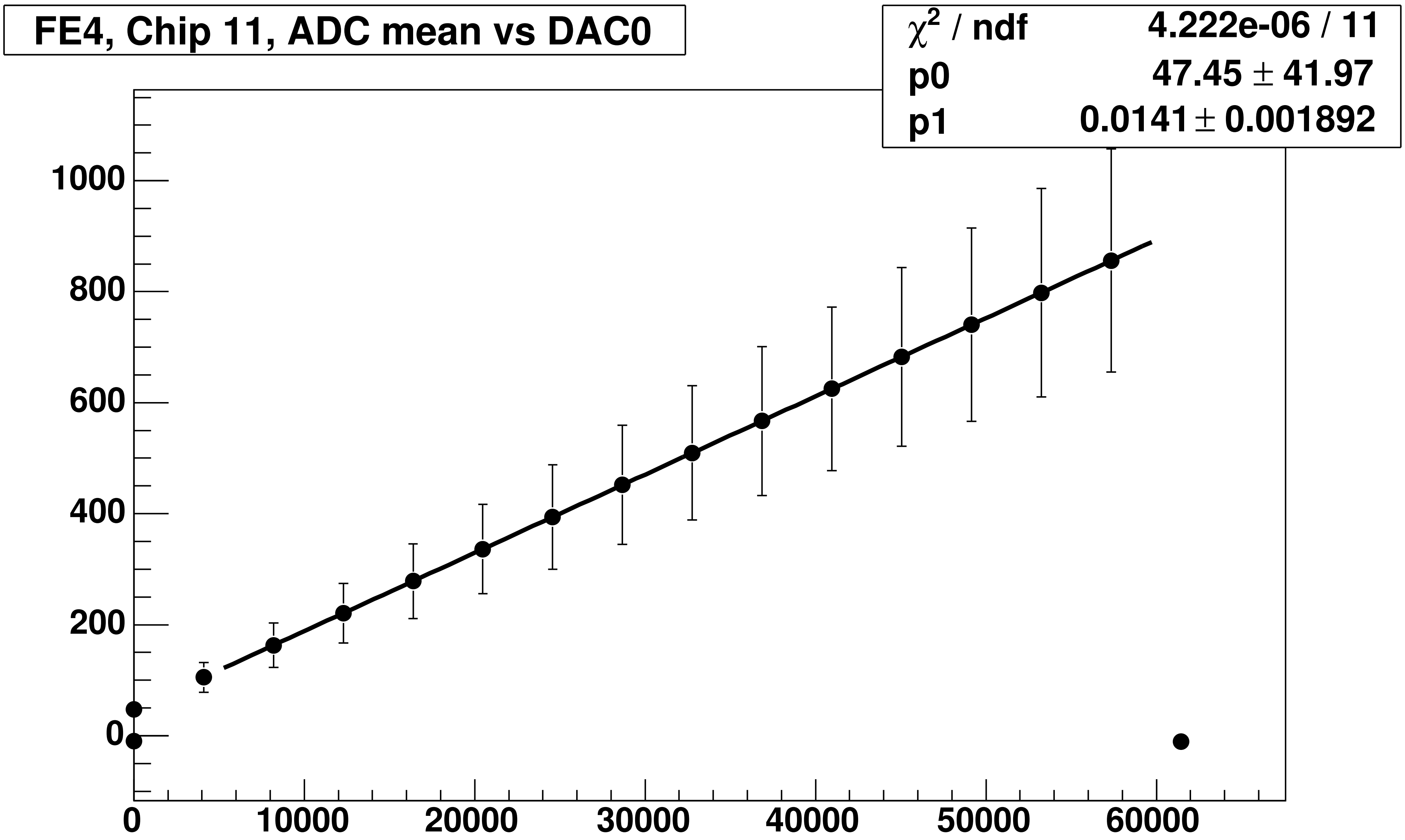
FE4, Chip 10, ADC mean vs DAC1
χ2 / ndf 0.001317 / 11
p0 -13.19 ± 31.1
p1 0.437 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

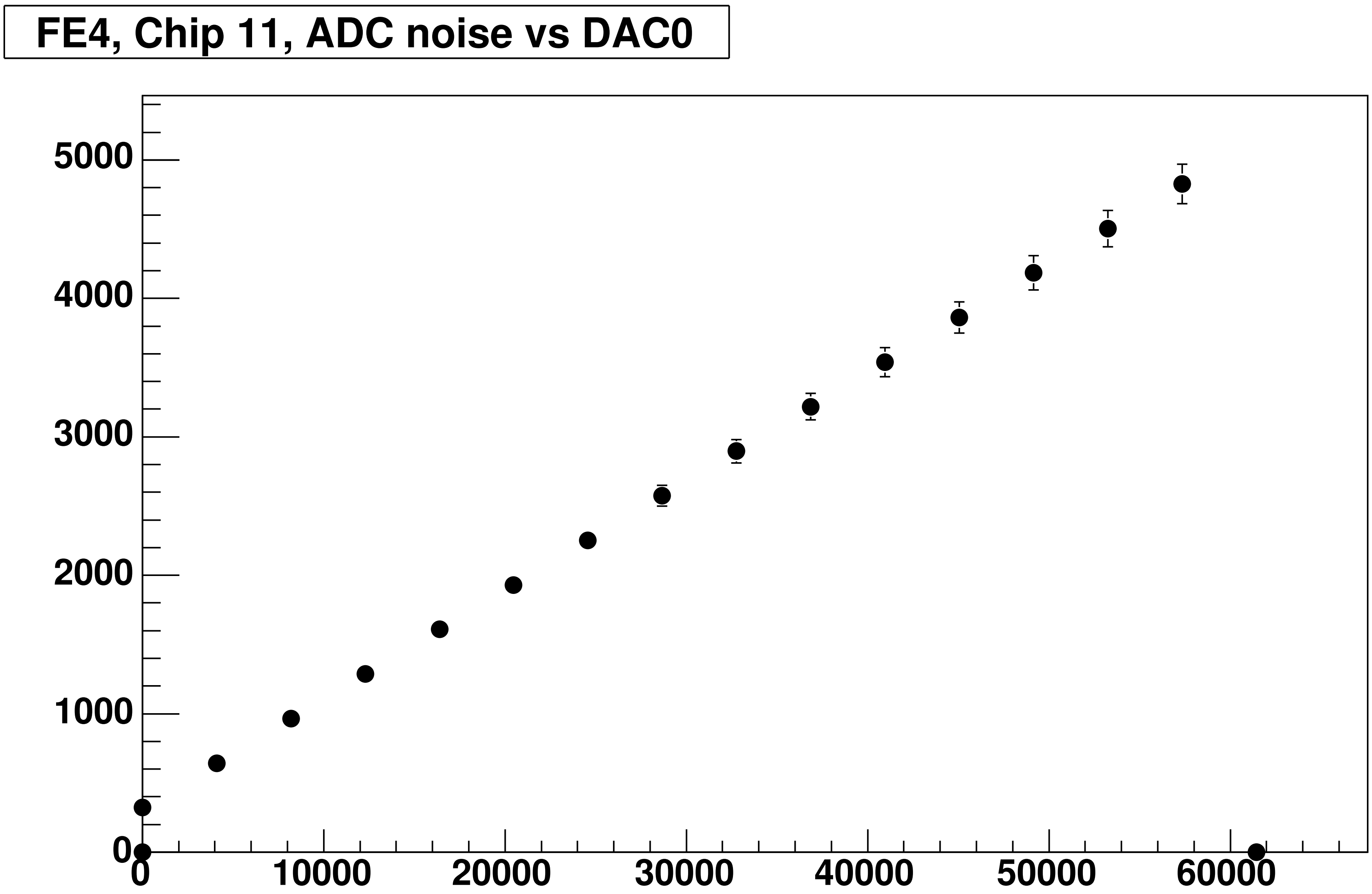
FE4, Chip 10, ADC noise vs DAC1

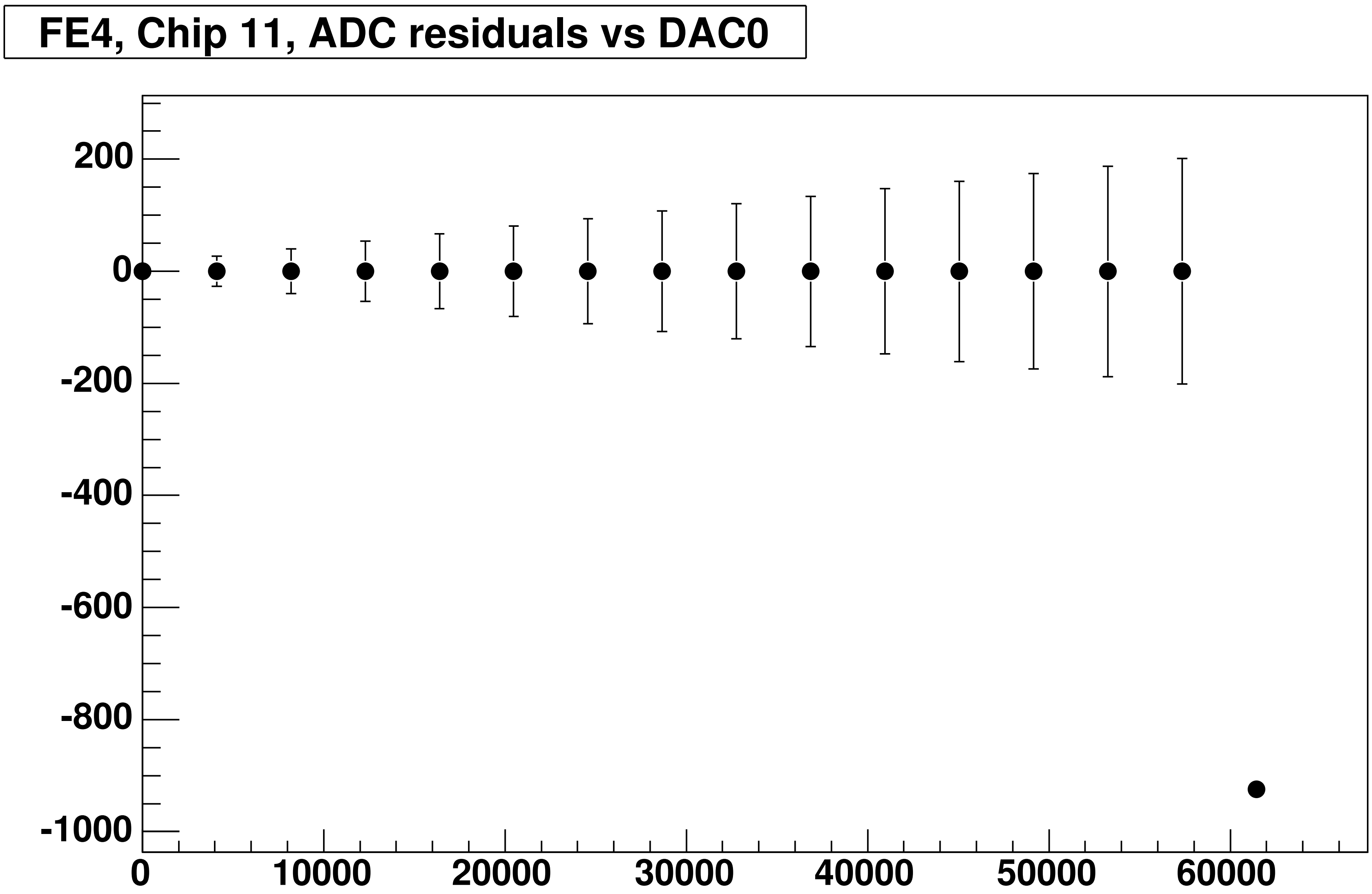


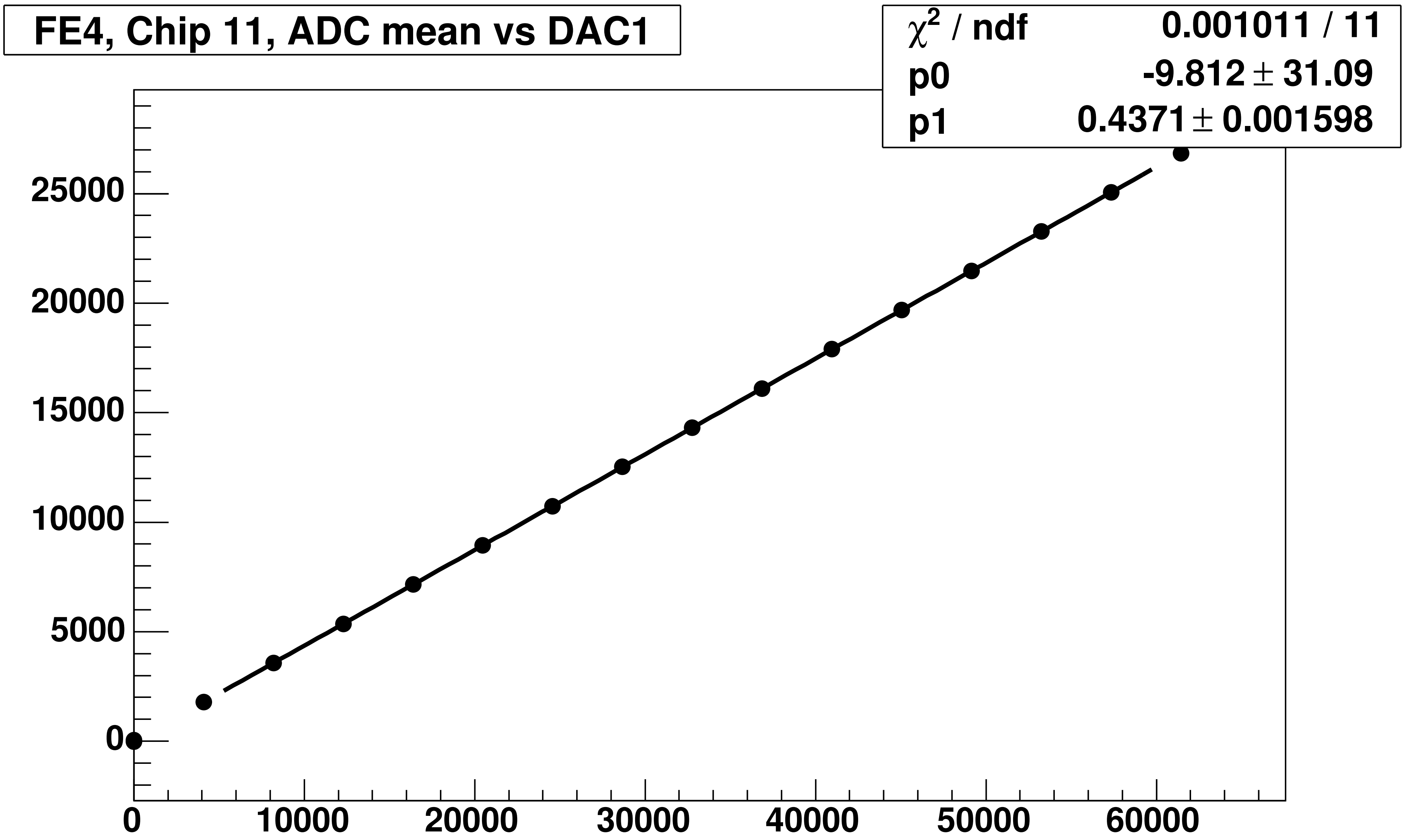
FE4, Chip 10, ADC residuals vs DAC1



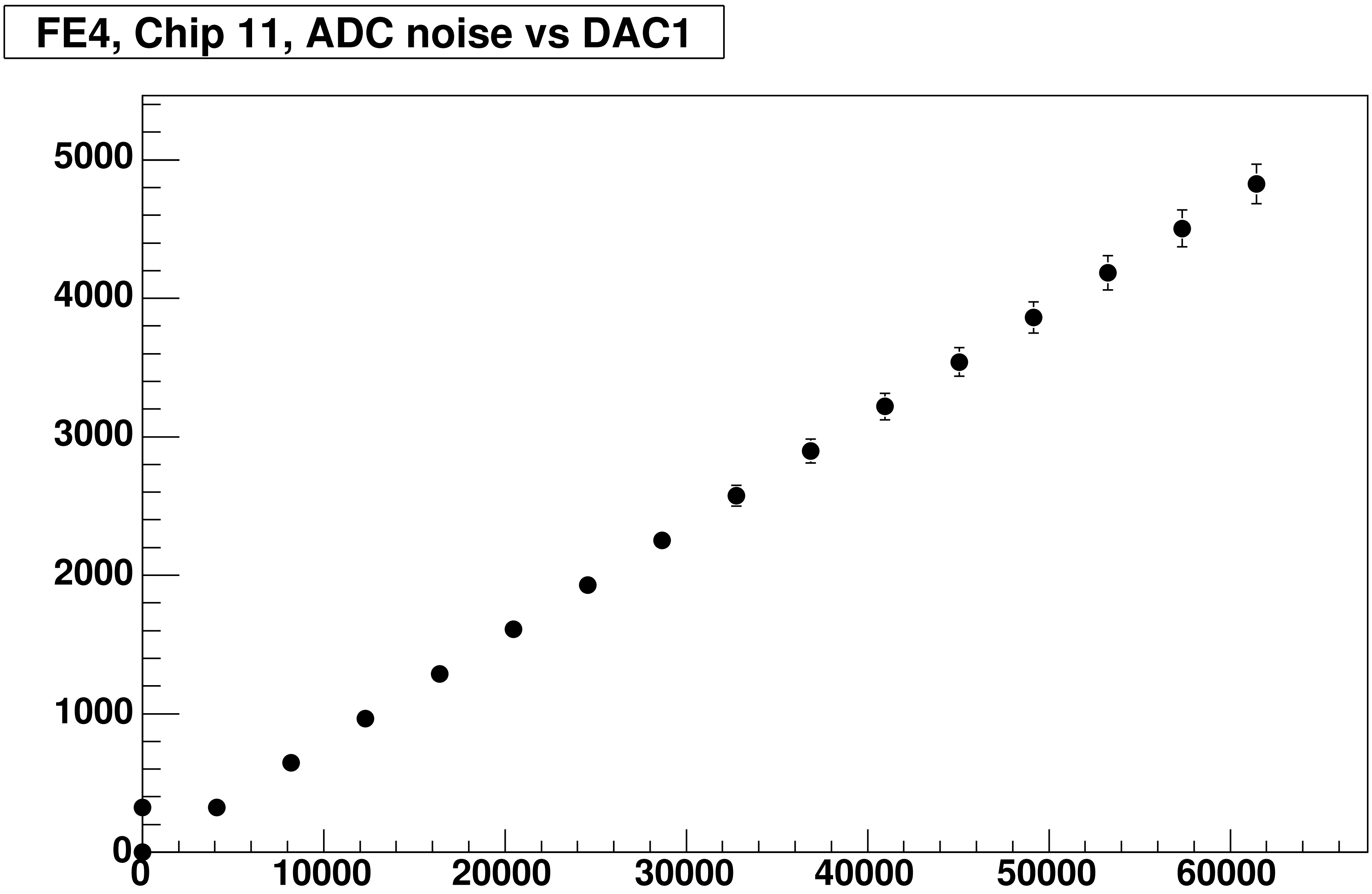

FE4, Chip 11, ADC mean vs DAC0
$\chi^2$ / ndf 4.222e-06 / 11
p0 47.45 ± 41.97
p1 0.0141 ± 0.001892
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

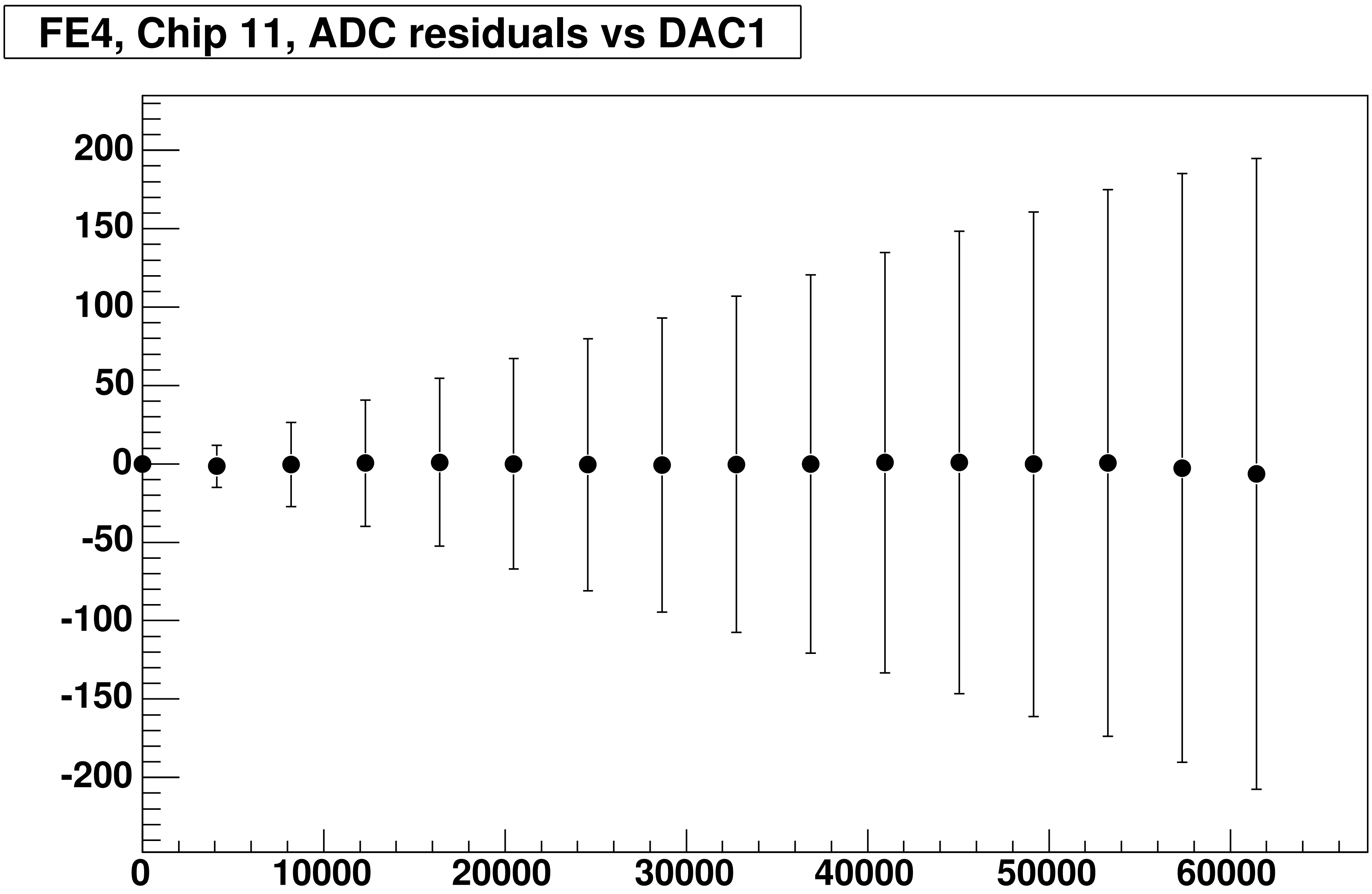

FE4, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

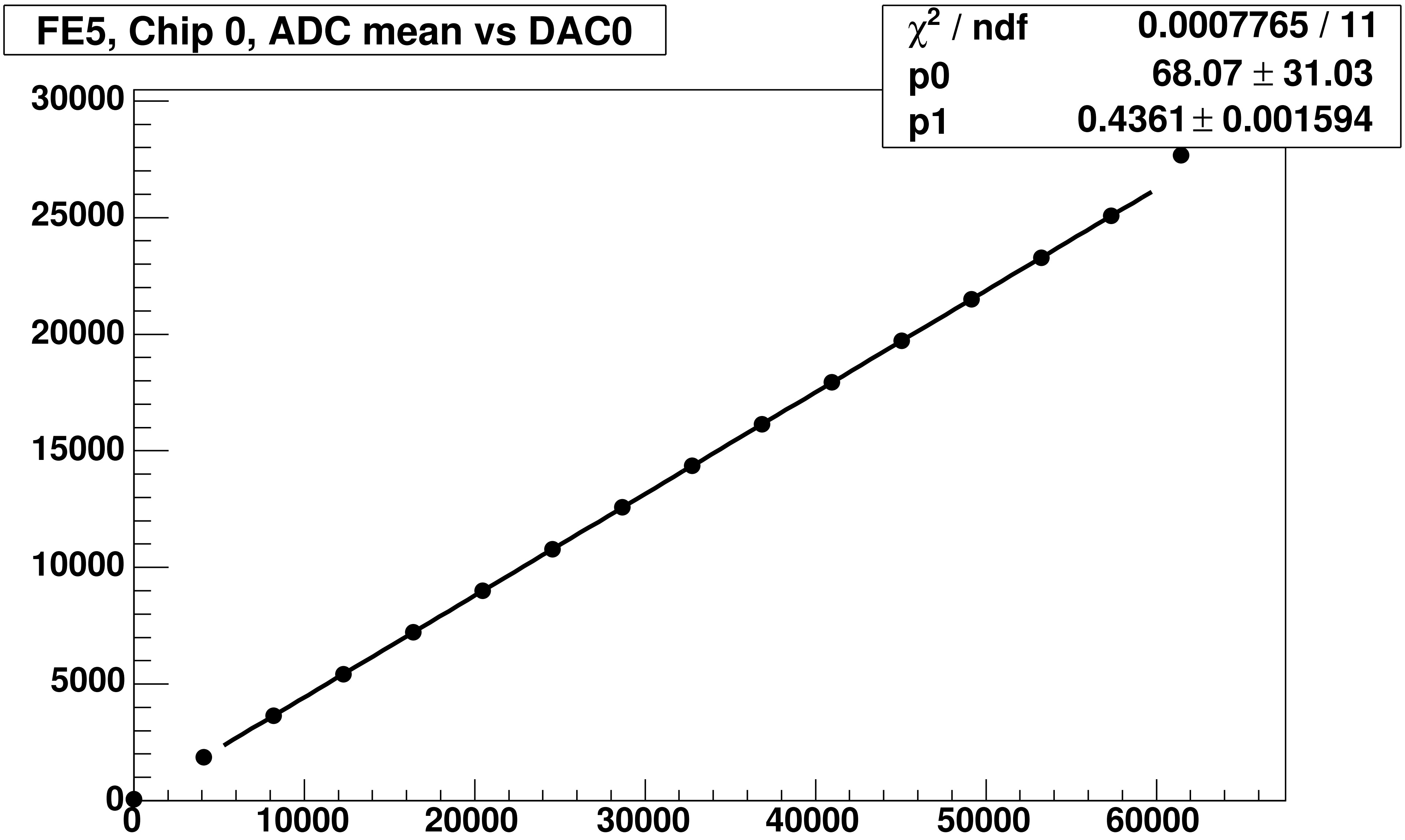

FE4, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

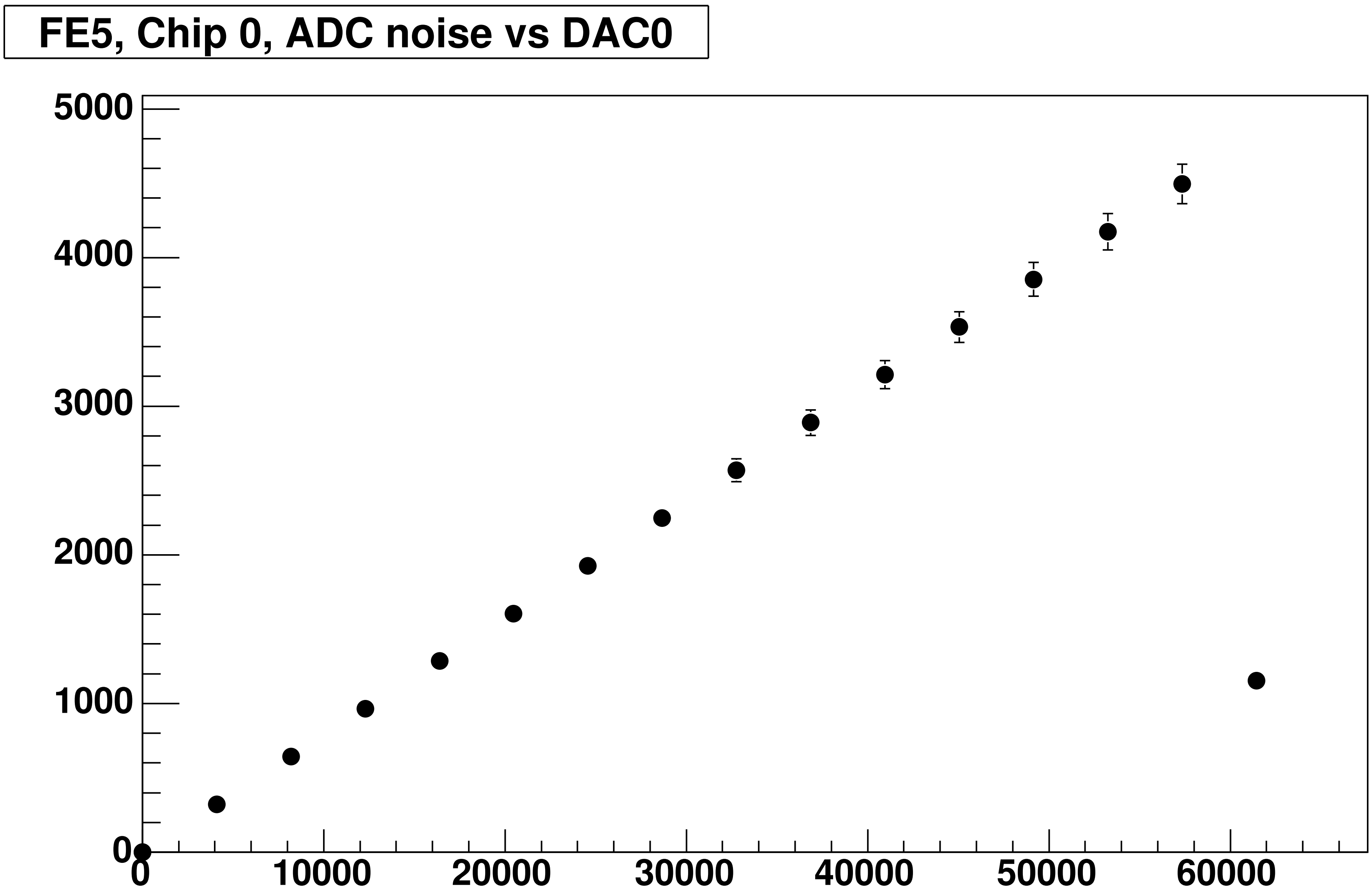


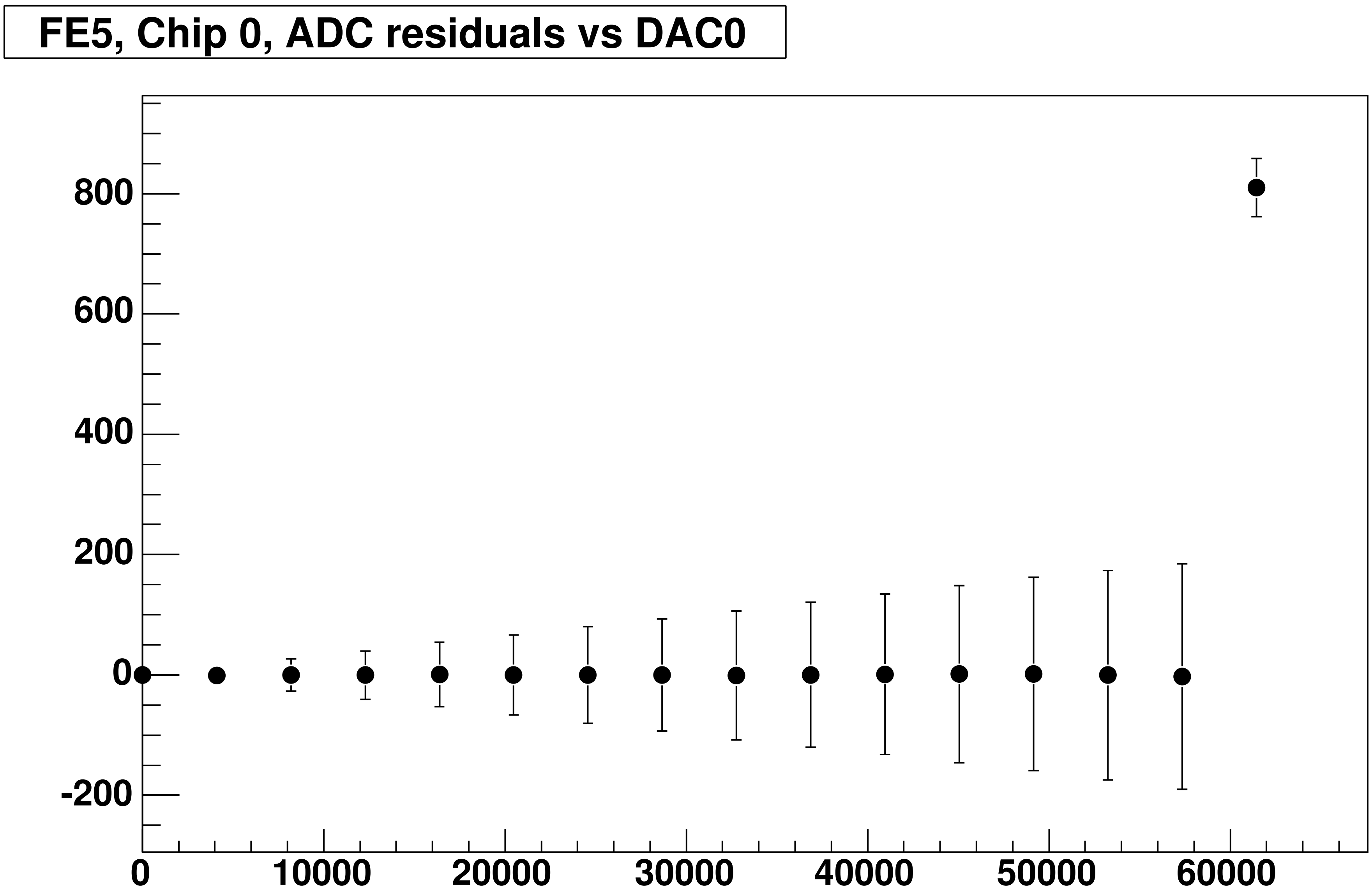
FE4, Chip 11, ADC mean vs DAC1
$\chi^2$ / ndf 0.001011 / 11
p0 -9.812 ± 31.09
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

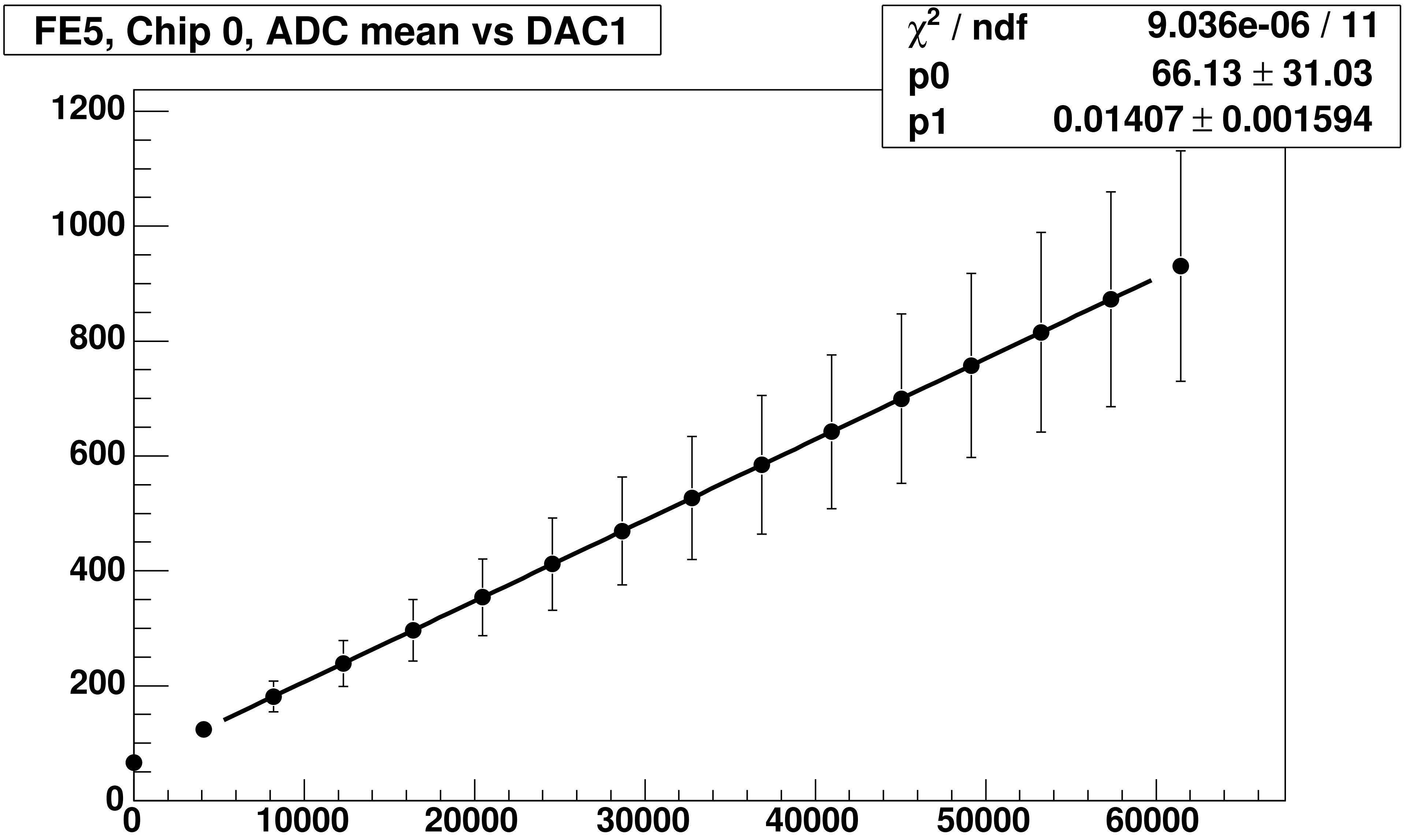

FE4, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

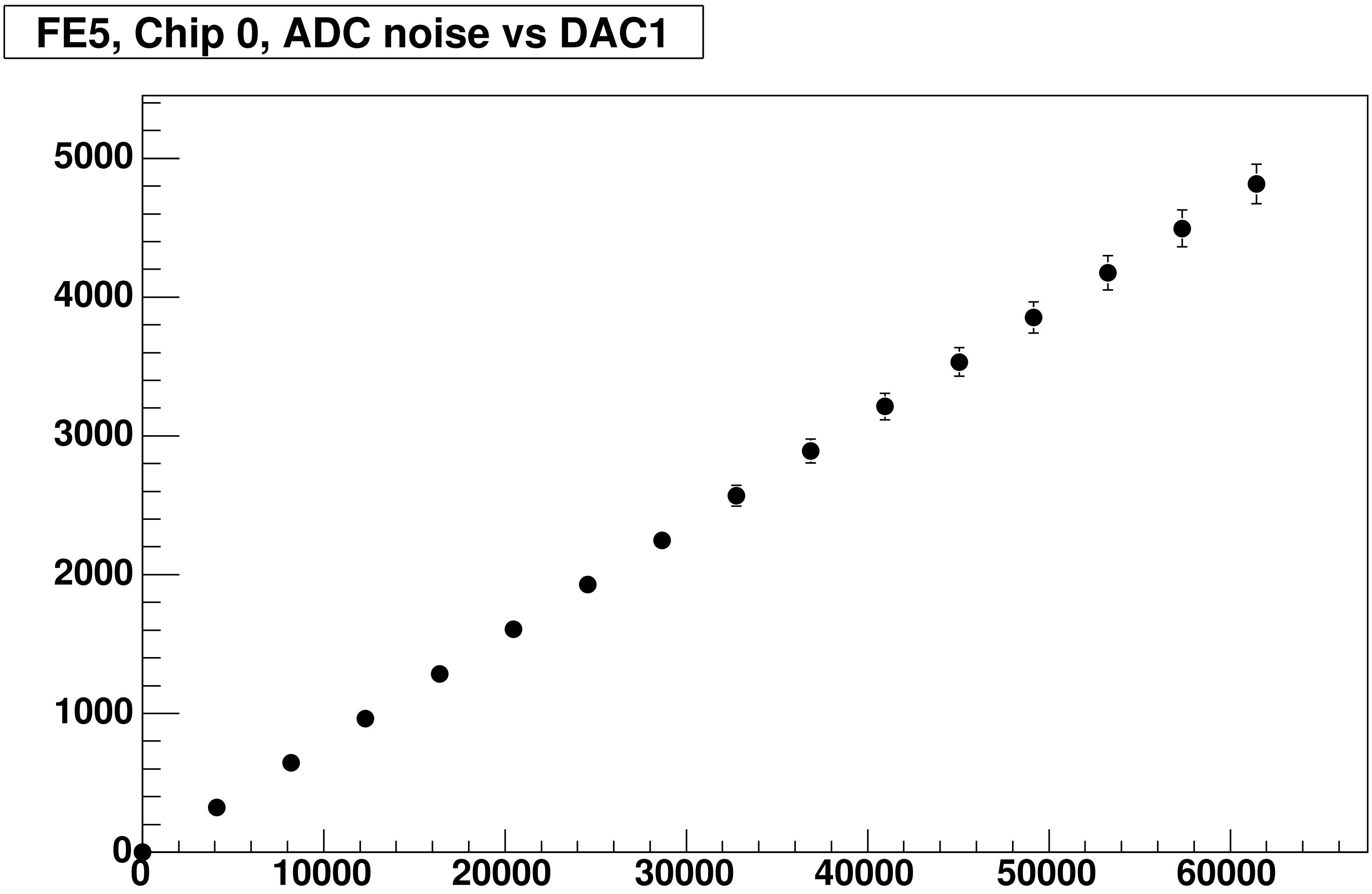

FE4, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

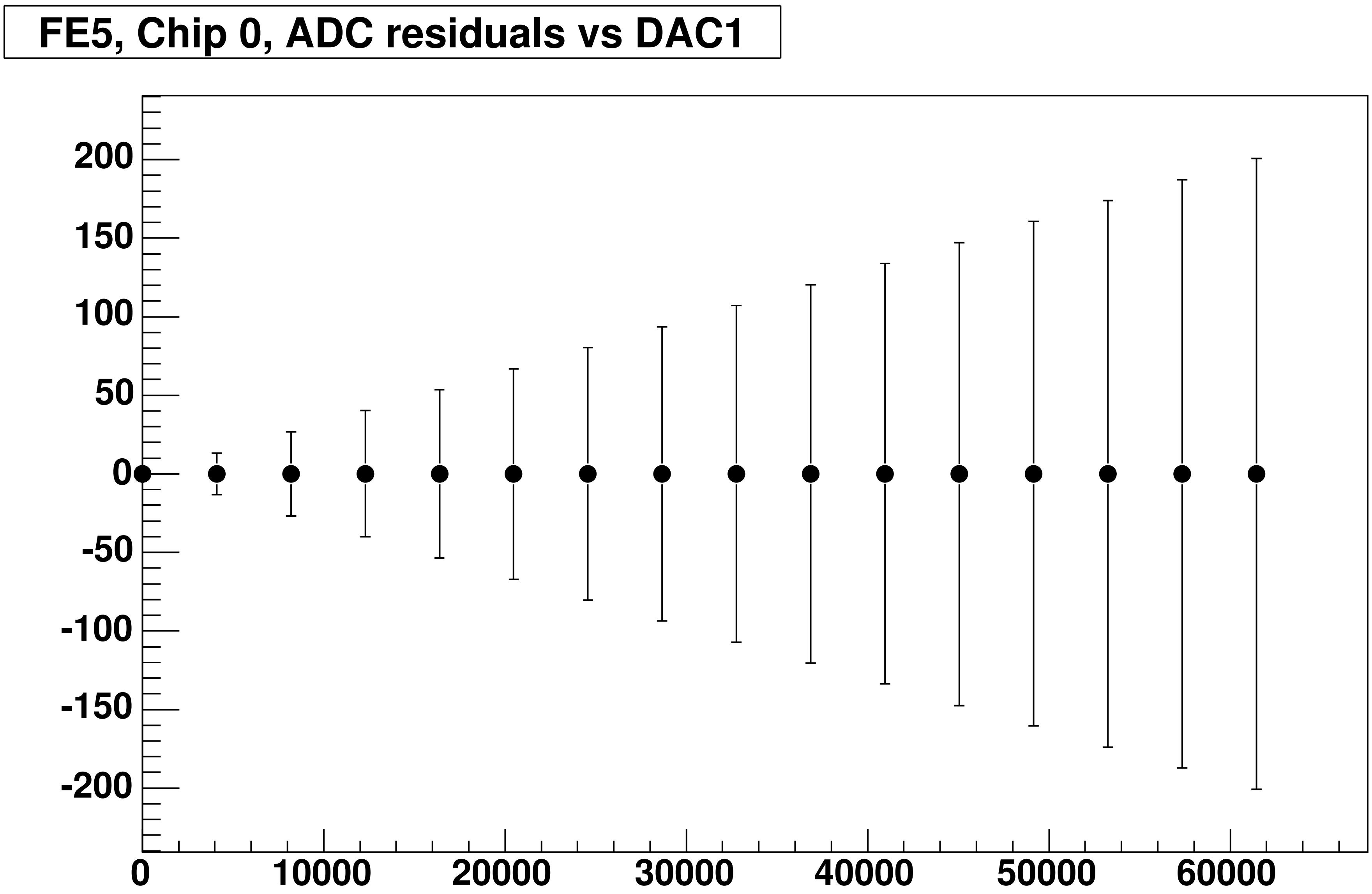

FE5, Chip 0, ADC mean vs DAC0
$\chi^2$ / ndf 0.0007765 / 11
p0 68.07 ± 31.03
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

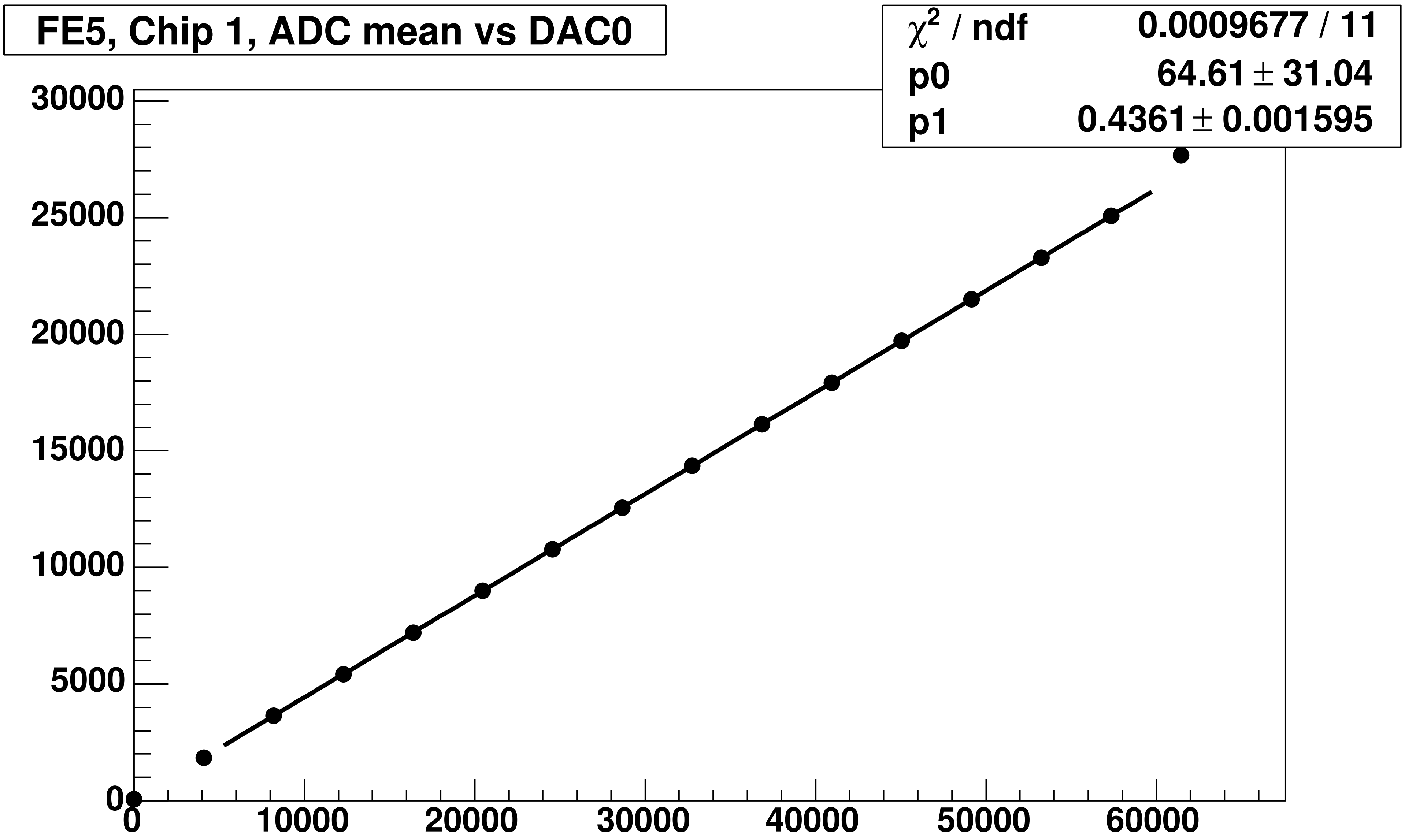

FE5, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

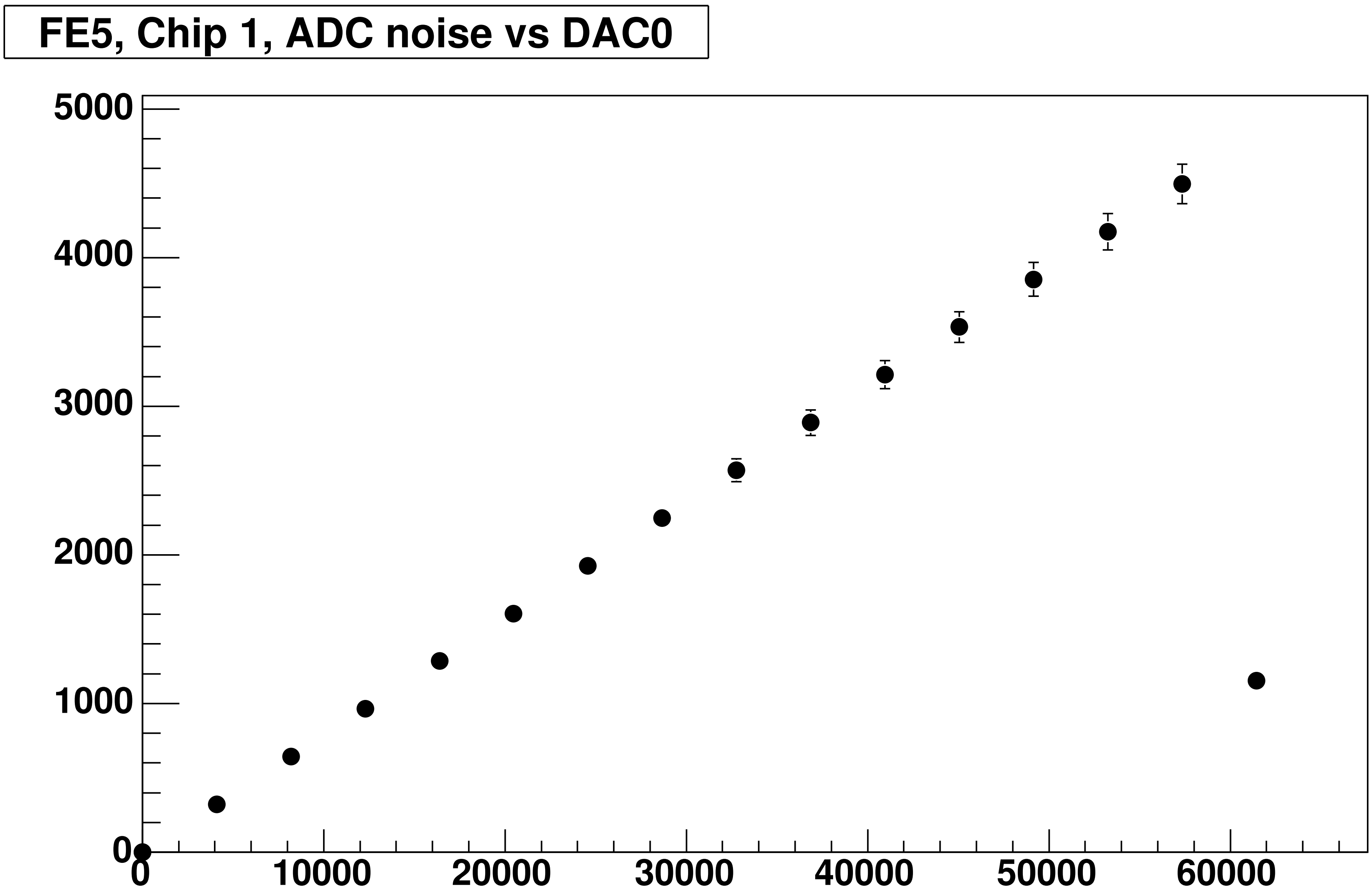

FE5, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 9.036e-06 / 11
p0 66.13 ± 31.03
p1 0.01407 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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

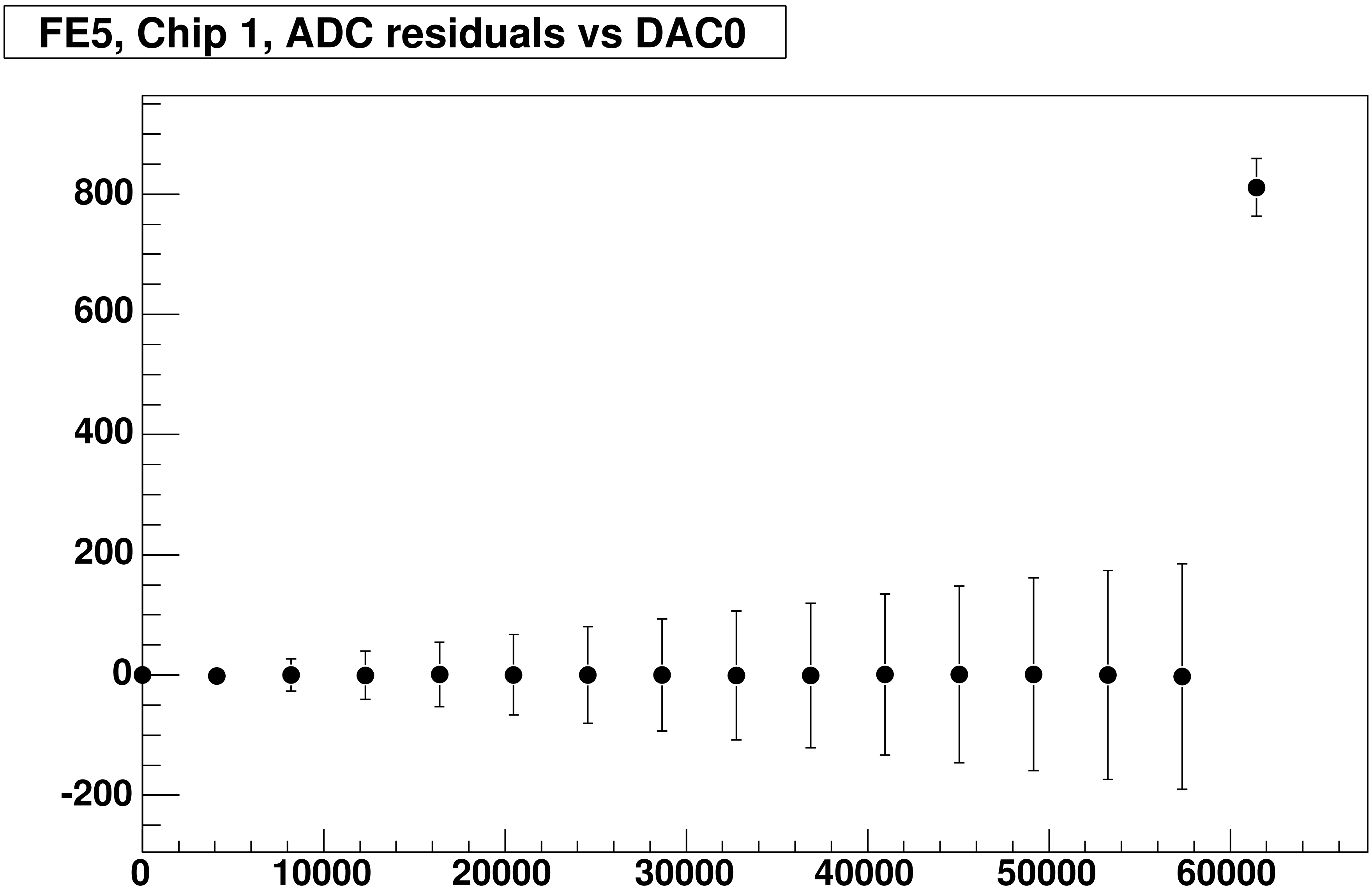

FE5, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

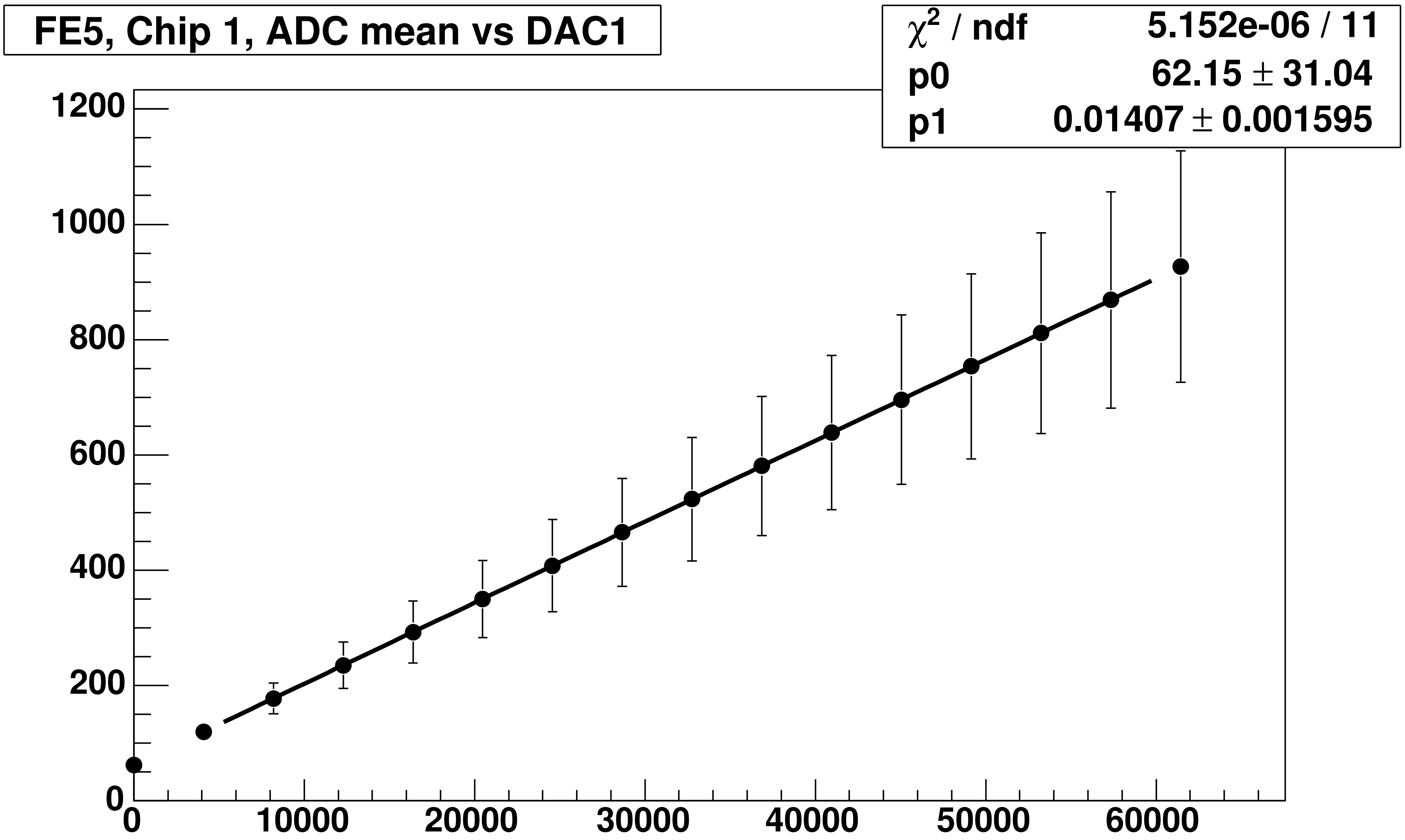


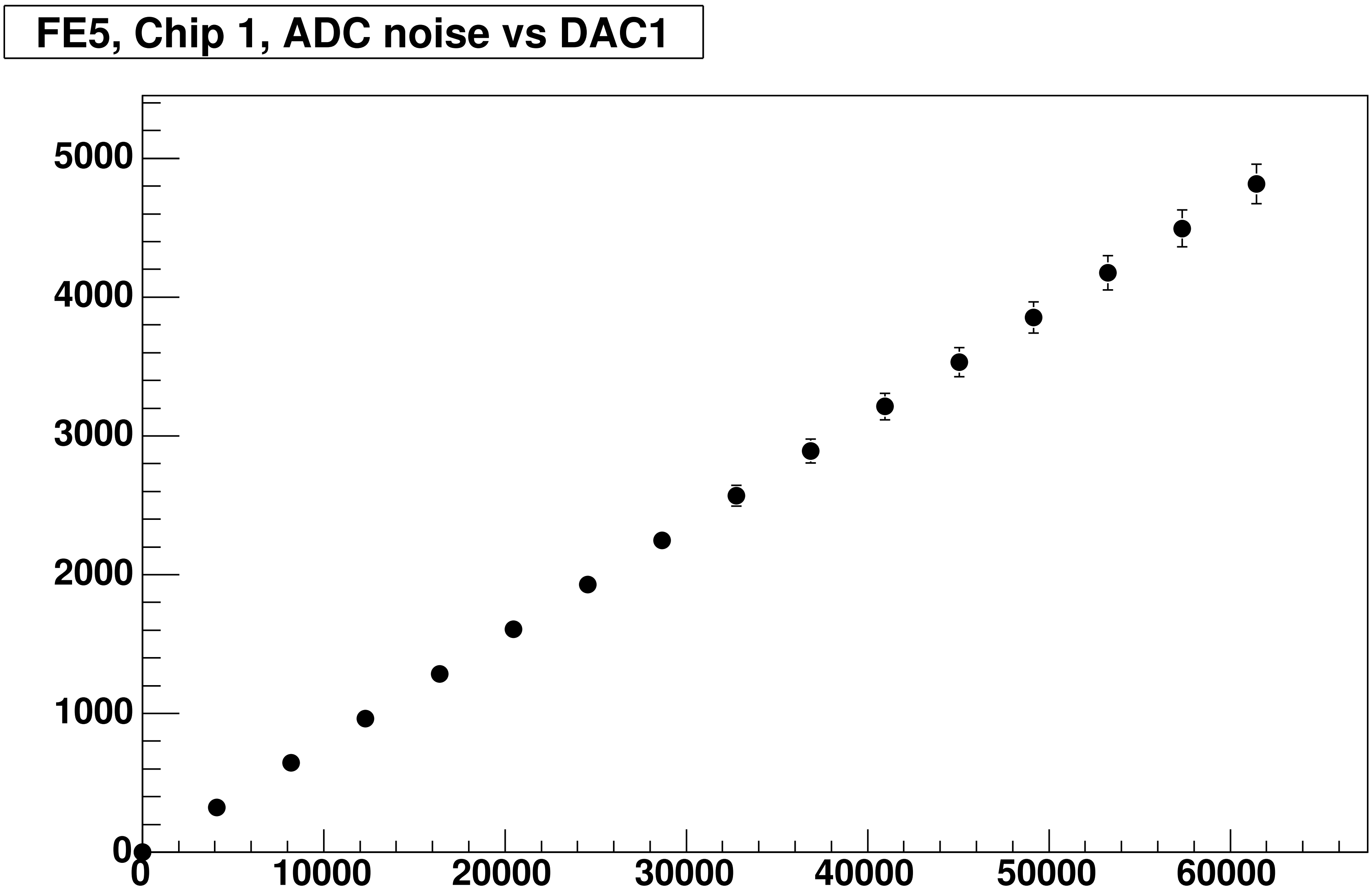
FE5, Chip 1, ADC mean vs DAC0
$\chi^2$ / ndf 0.0009677 / 11
p0 64.61 ± 31.04
p1 0.4361 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000



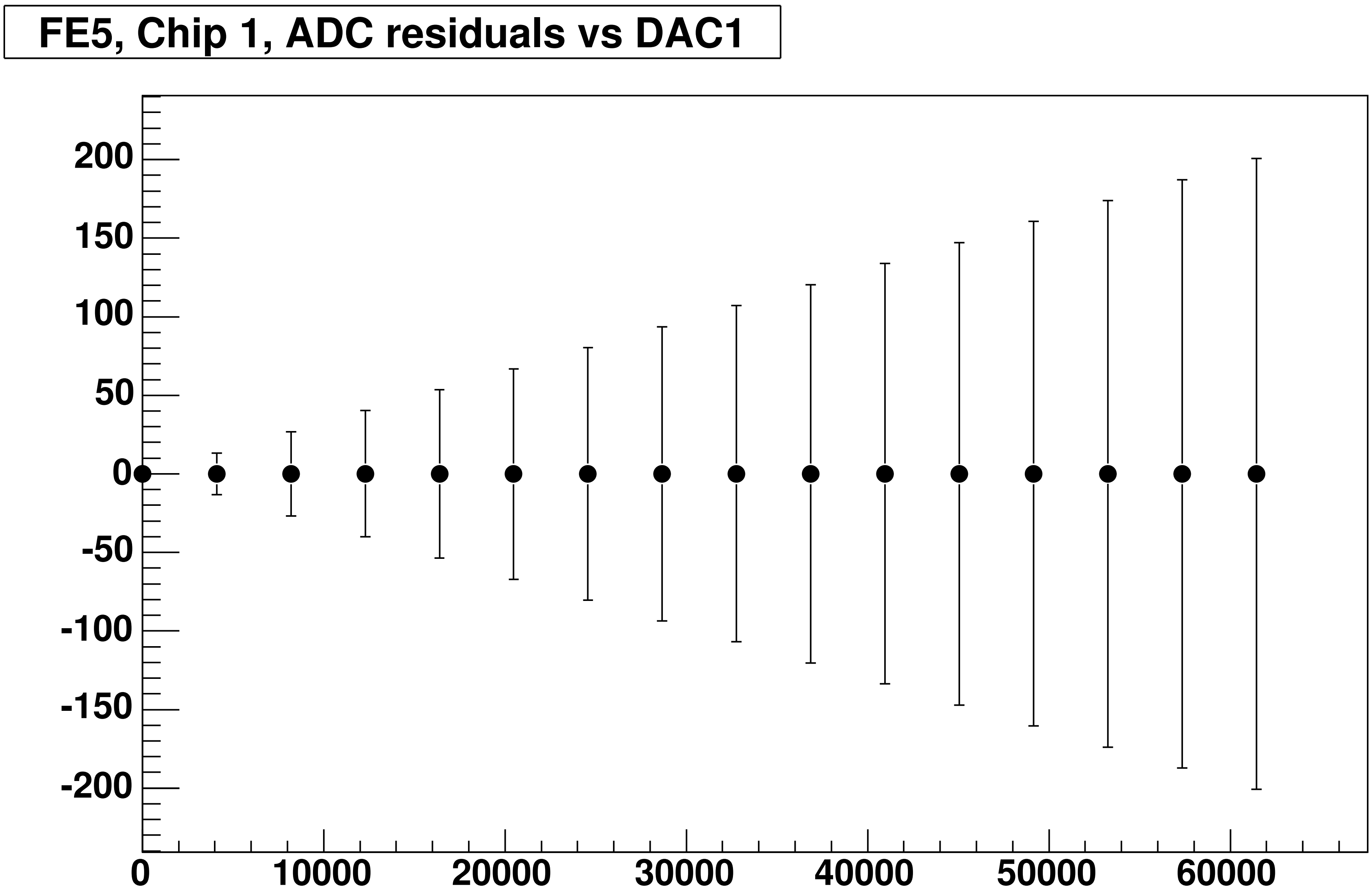
FE5, Chip 1, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

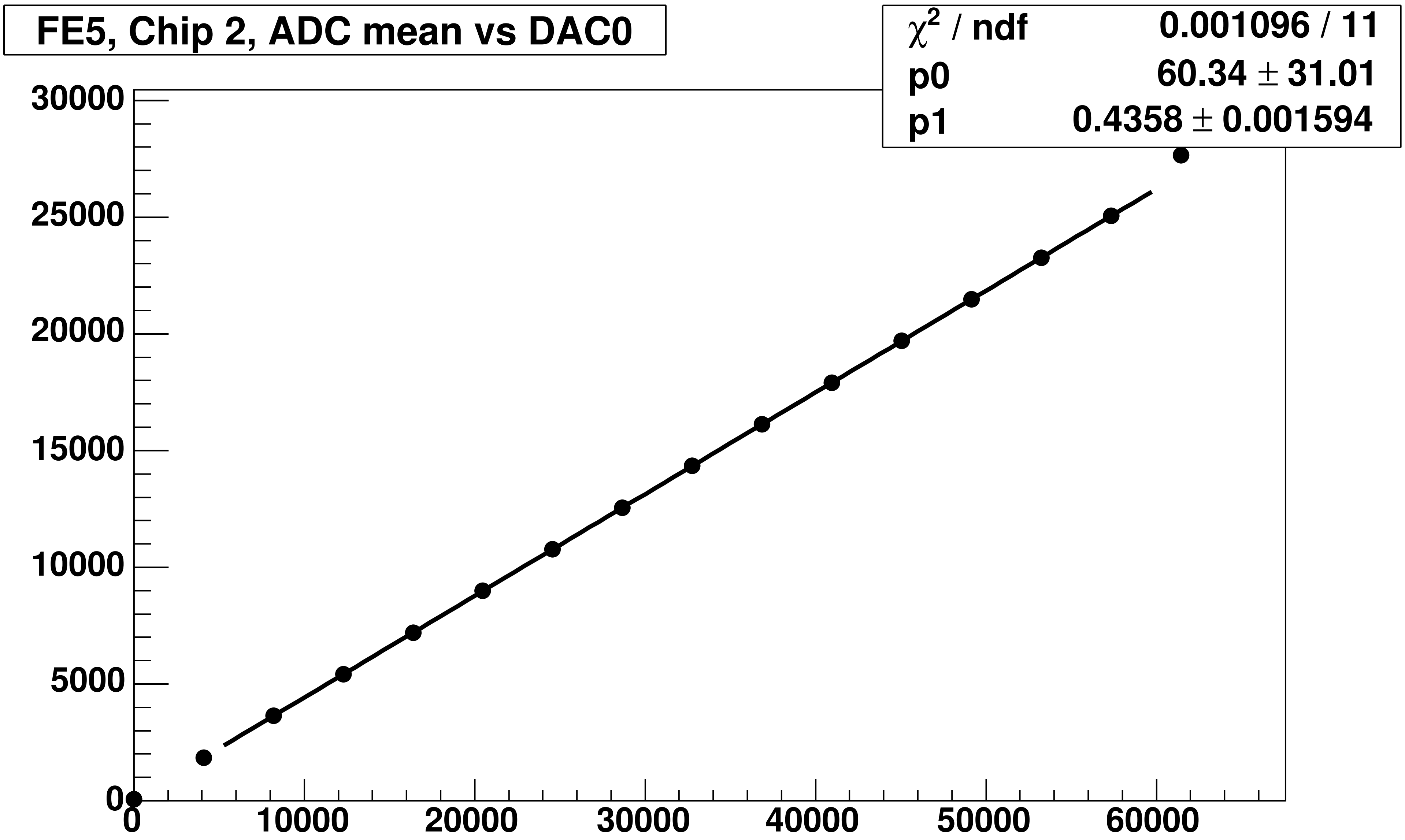

FE5, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

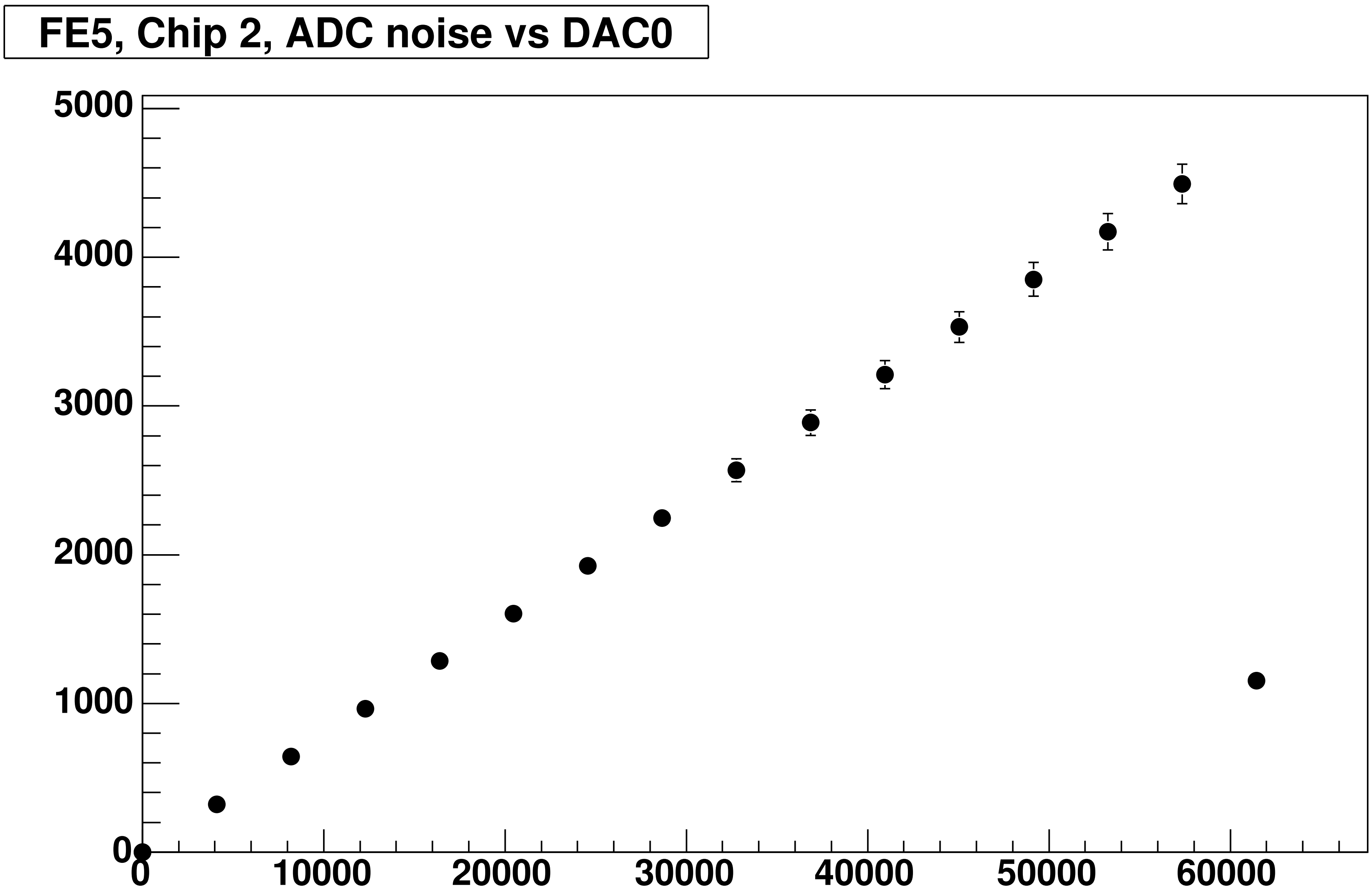

FE5, Chip 1, ADC mean vs DAC1
$\chi^2$ / ndf 5.152e-06 / 11
p0 62.15 ± 31.04
p1 0.01407 ± 0.001595
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

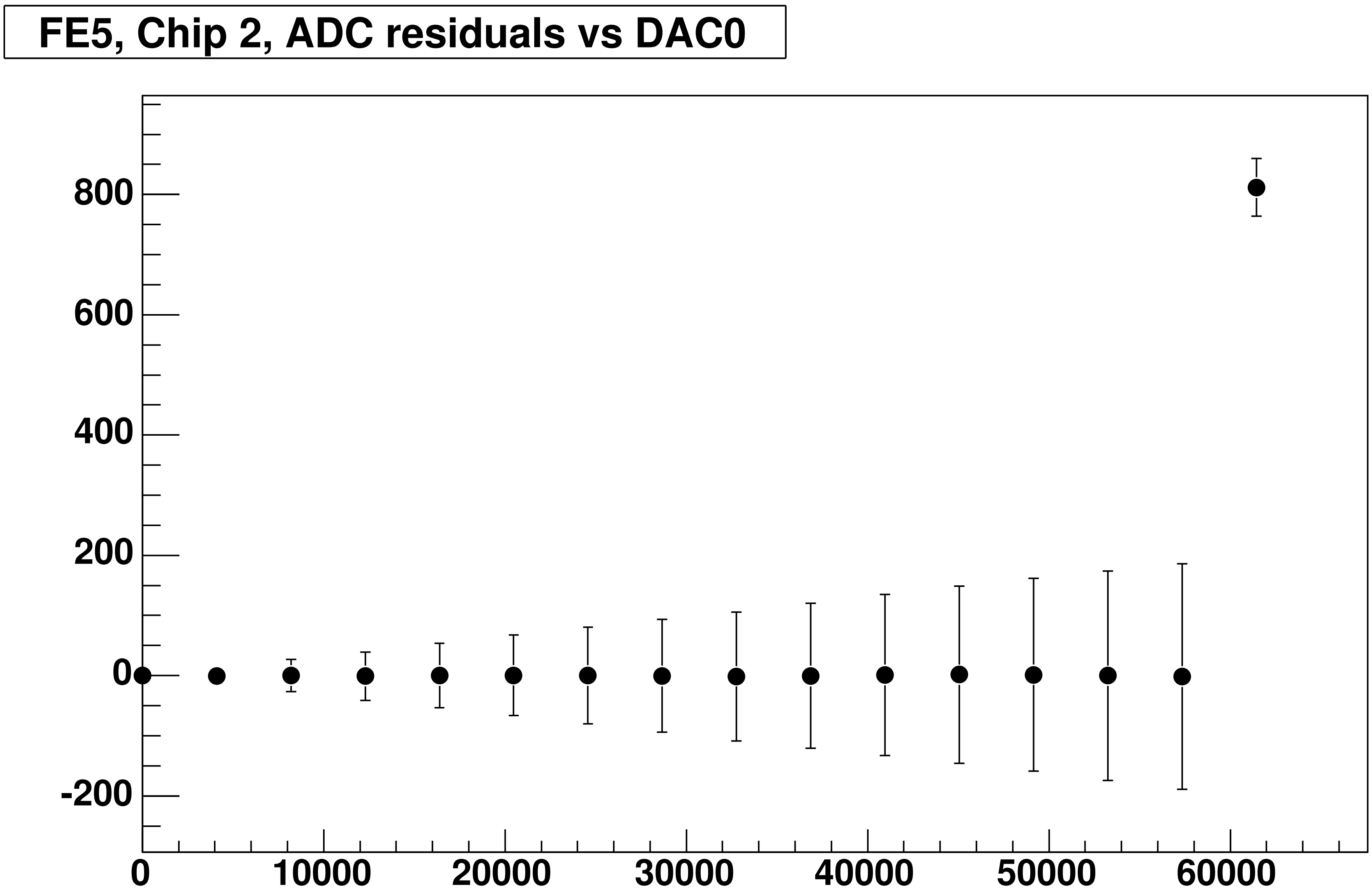


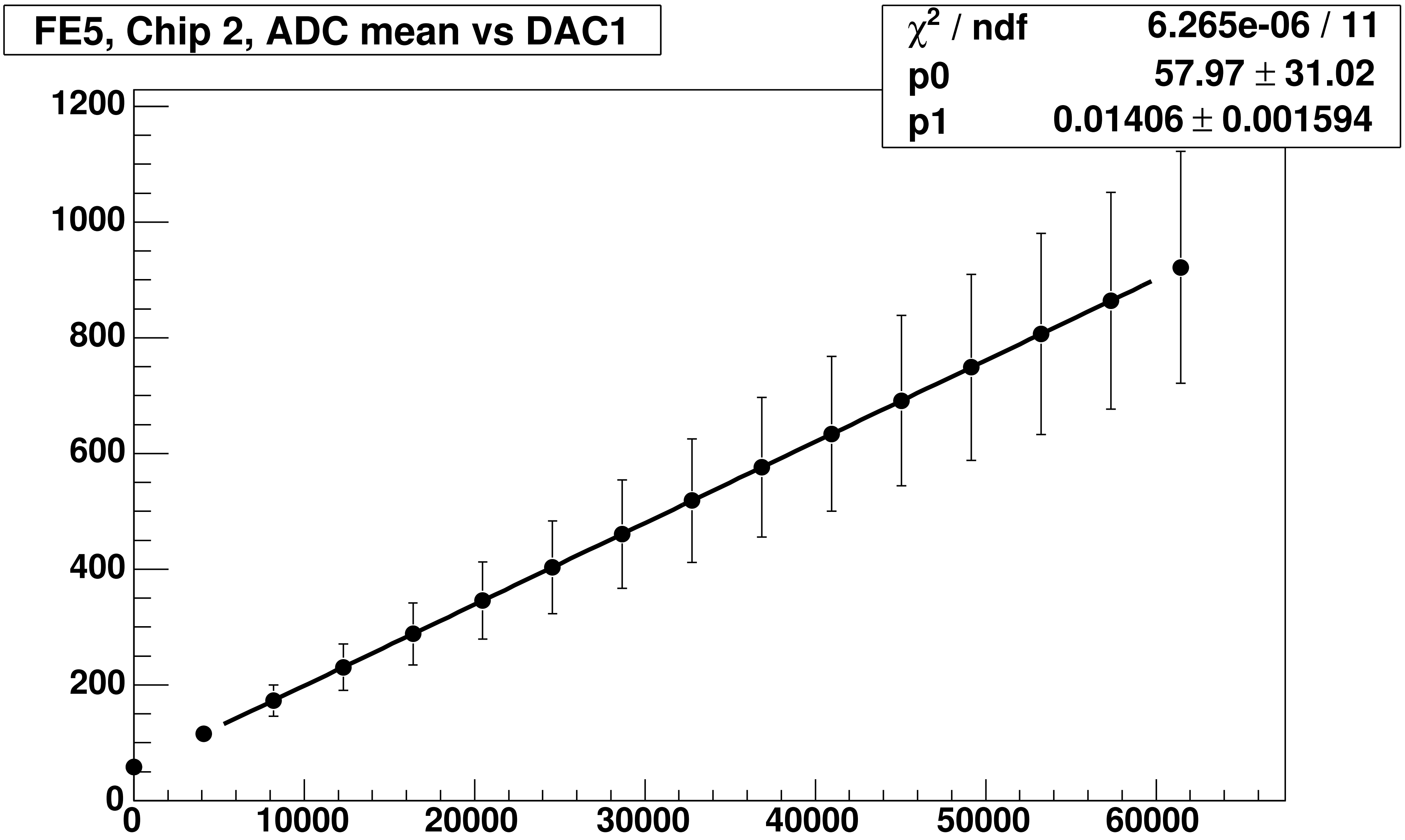
FE5, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

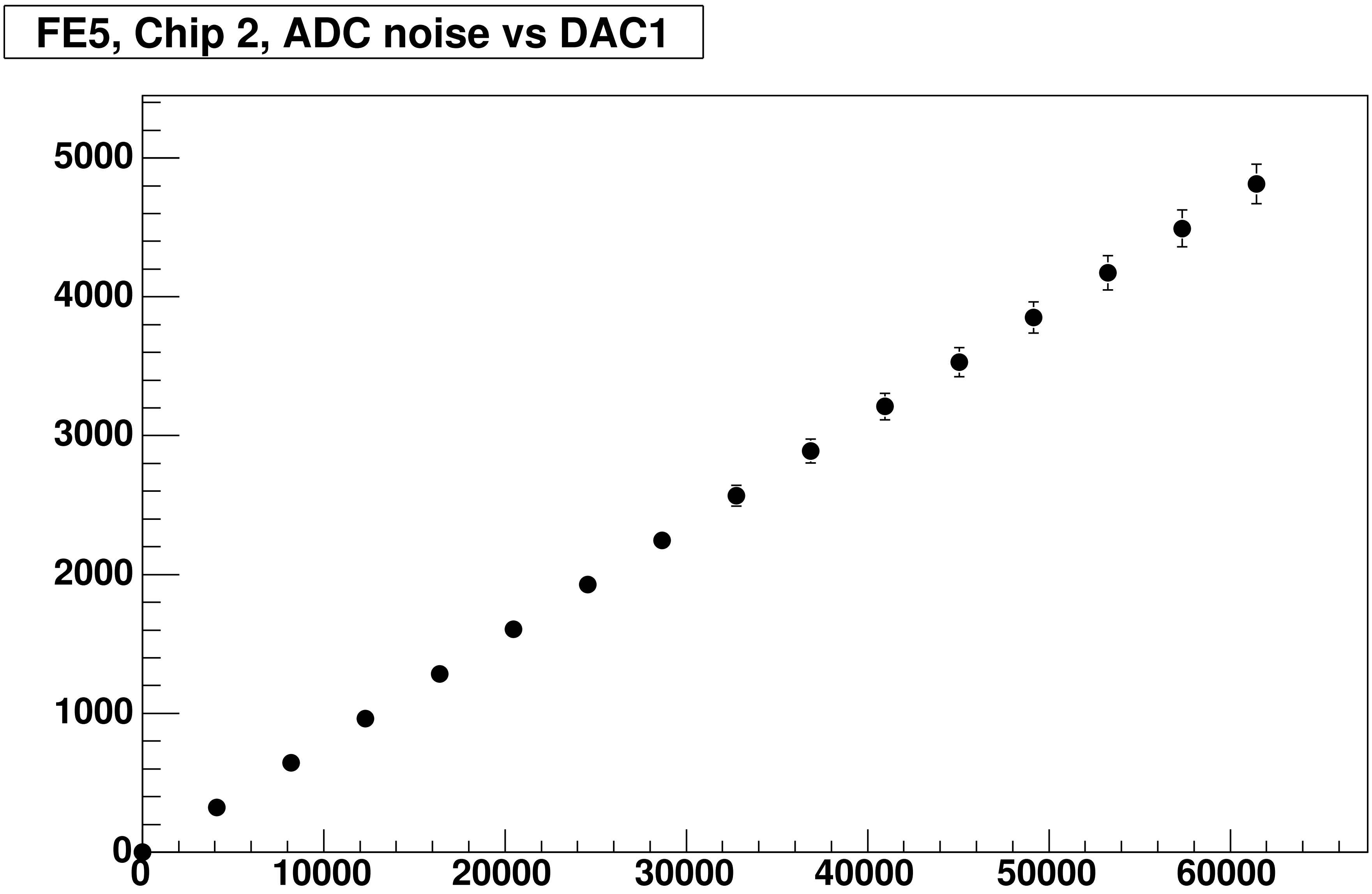

FE5, Chip 2, ADC mean vs DAC0
χ2 / ndf 0.001096 / 11
p0 60.34 ± 31.01
p1 0.4358 ± 0.001594
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

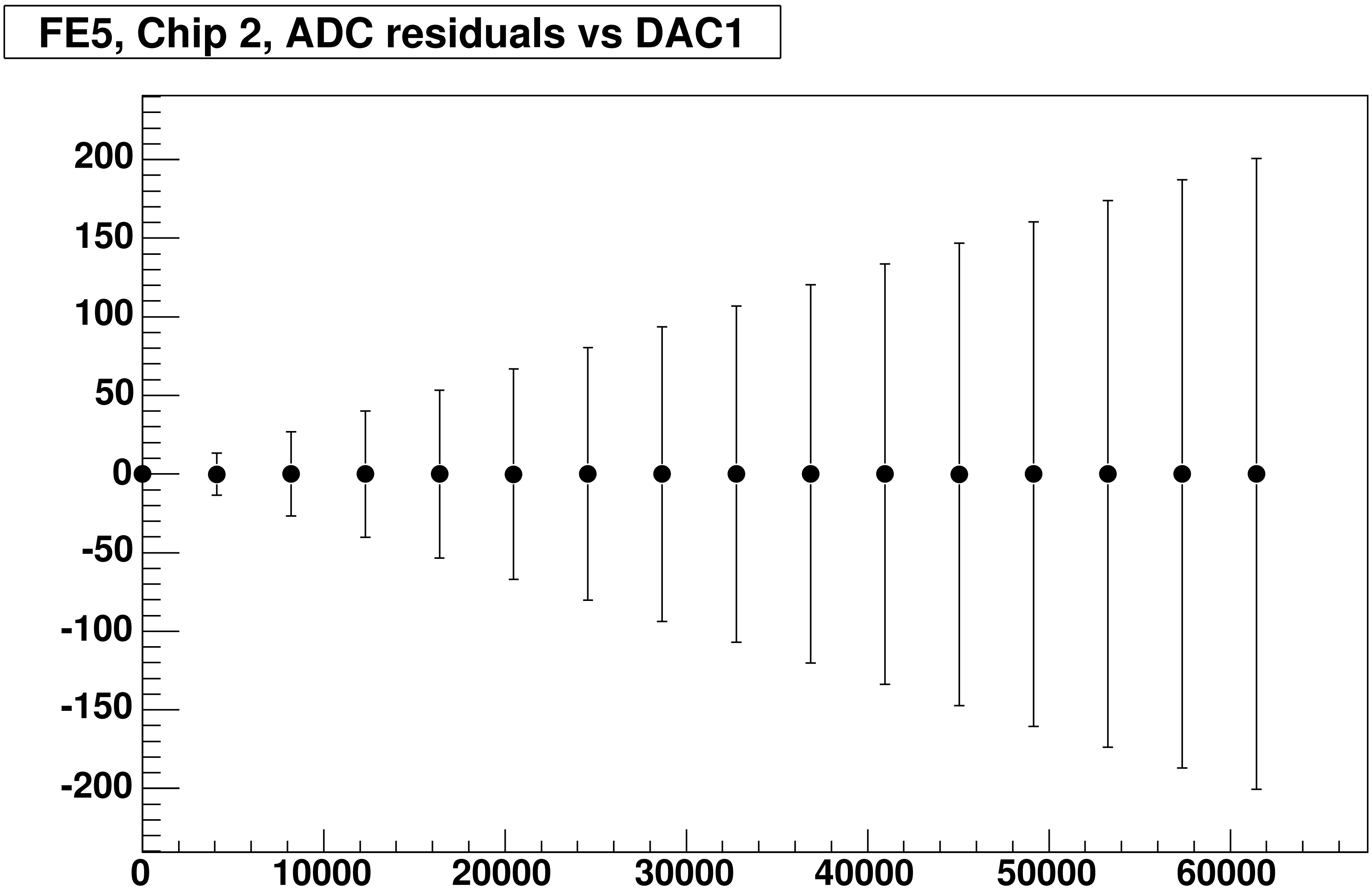

FE5, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

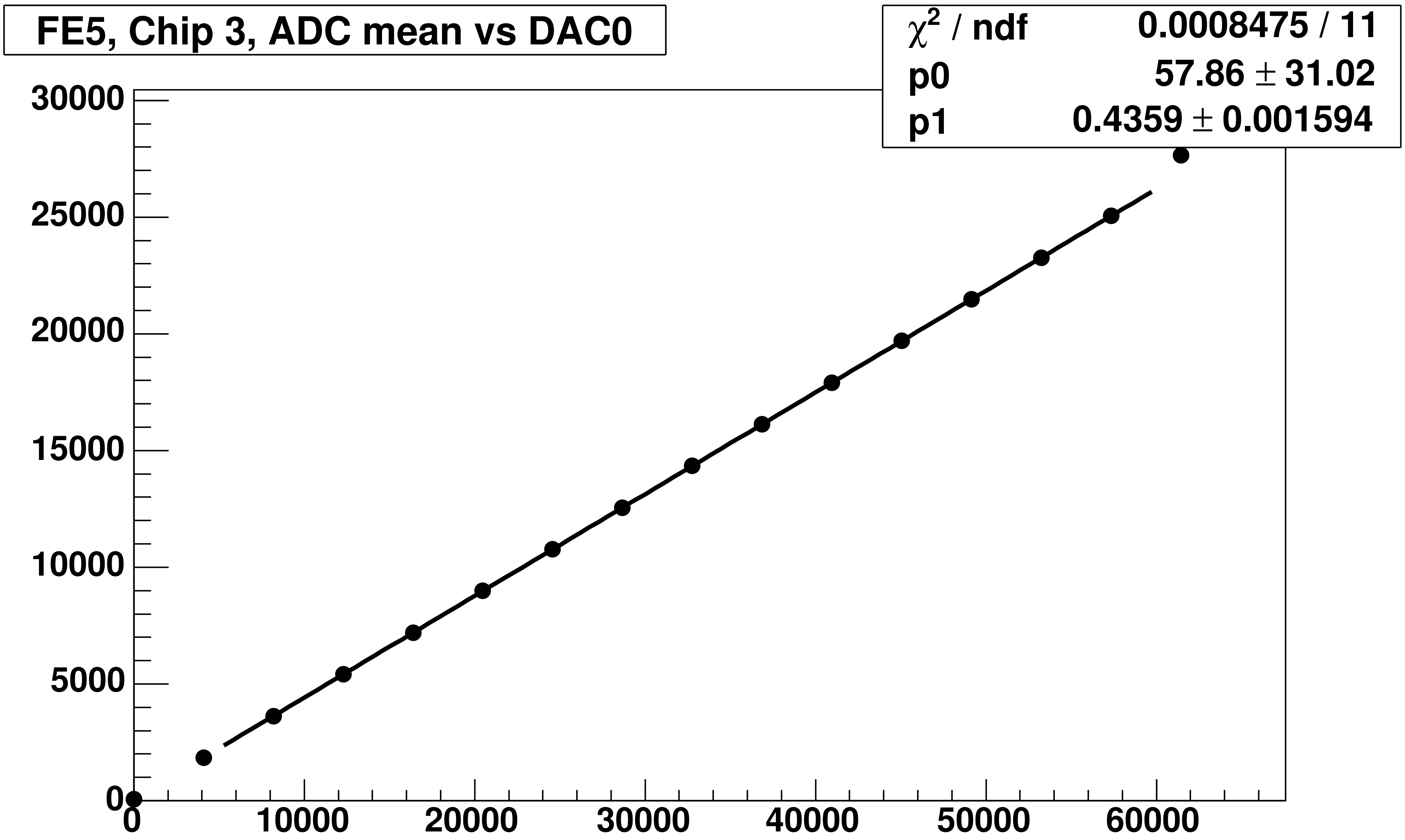

FE5, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

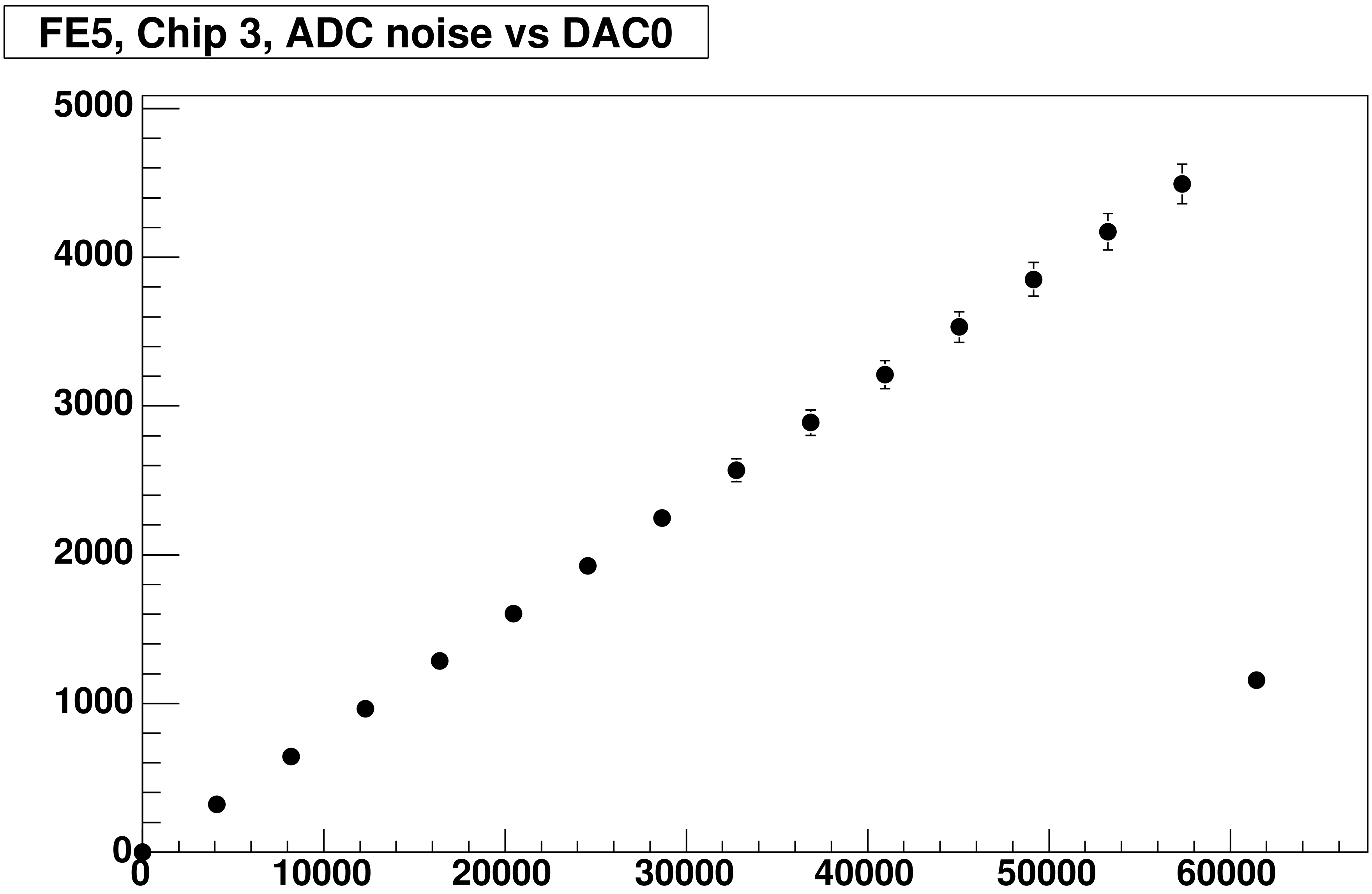


FE5, Chip 2, ADC mean vs DAC1
χ2 / ndf 6.265e-06 / 11
p0 57.97 ± 31.02
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

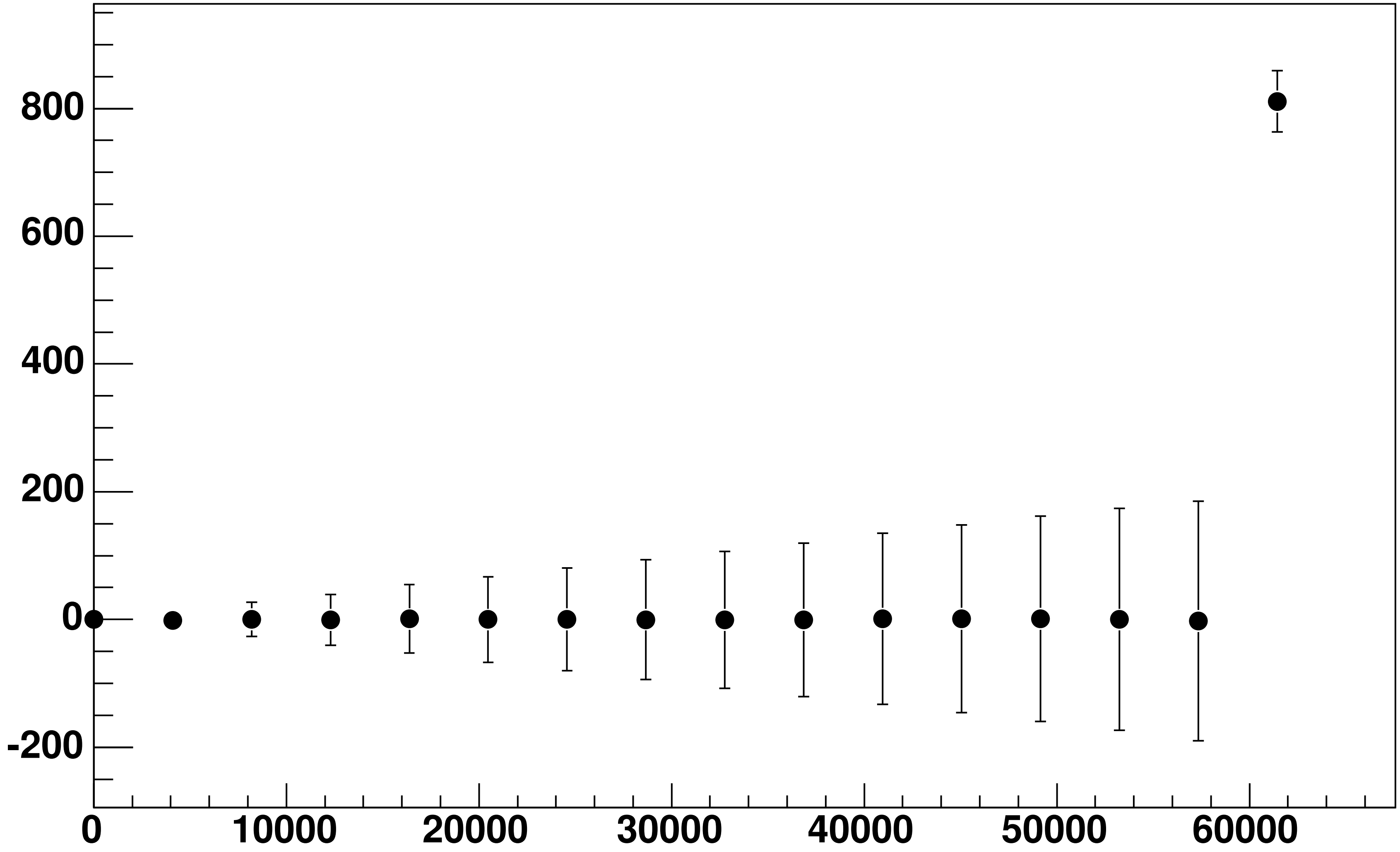

FE5, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

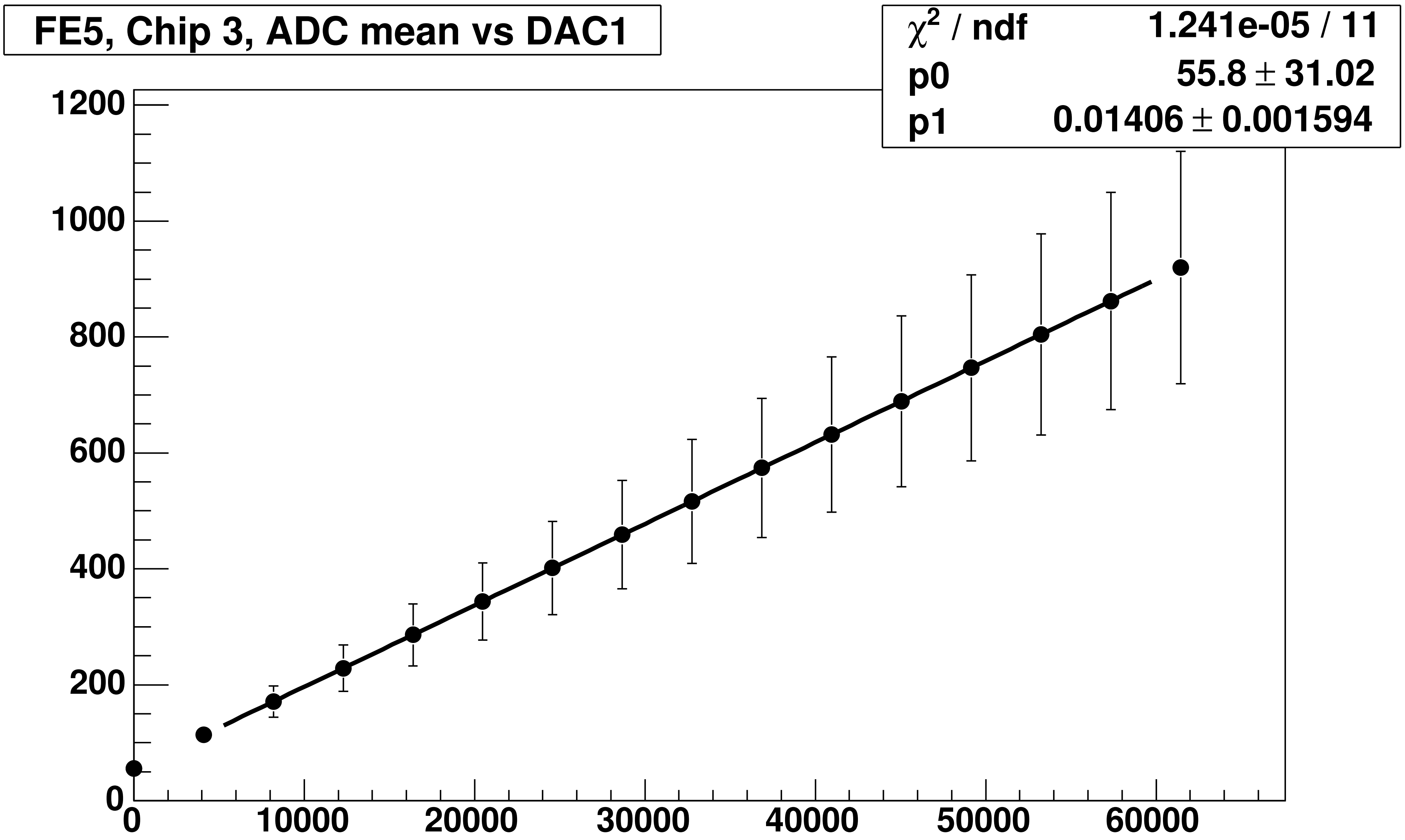

FE5, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 3, ADC mean vs DAC0
$\chi^2$ / ndf 0.0008475 / 11
p0 57.86 ± 31.02
p1 0.4359 ± 0.001594
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

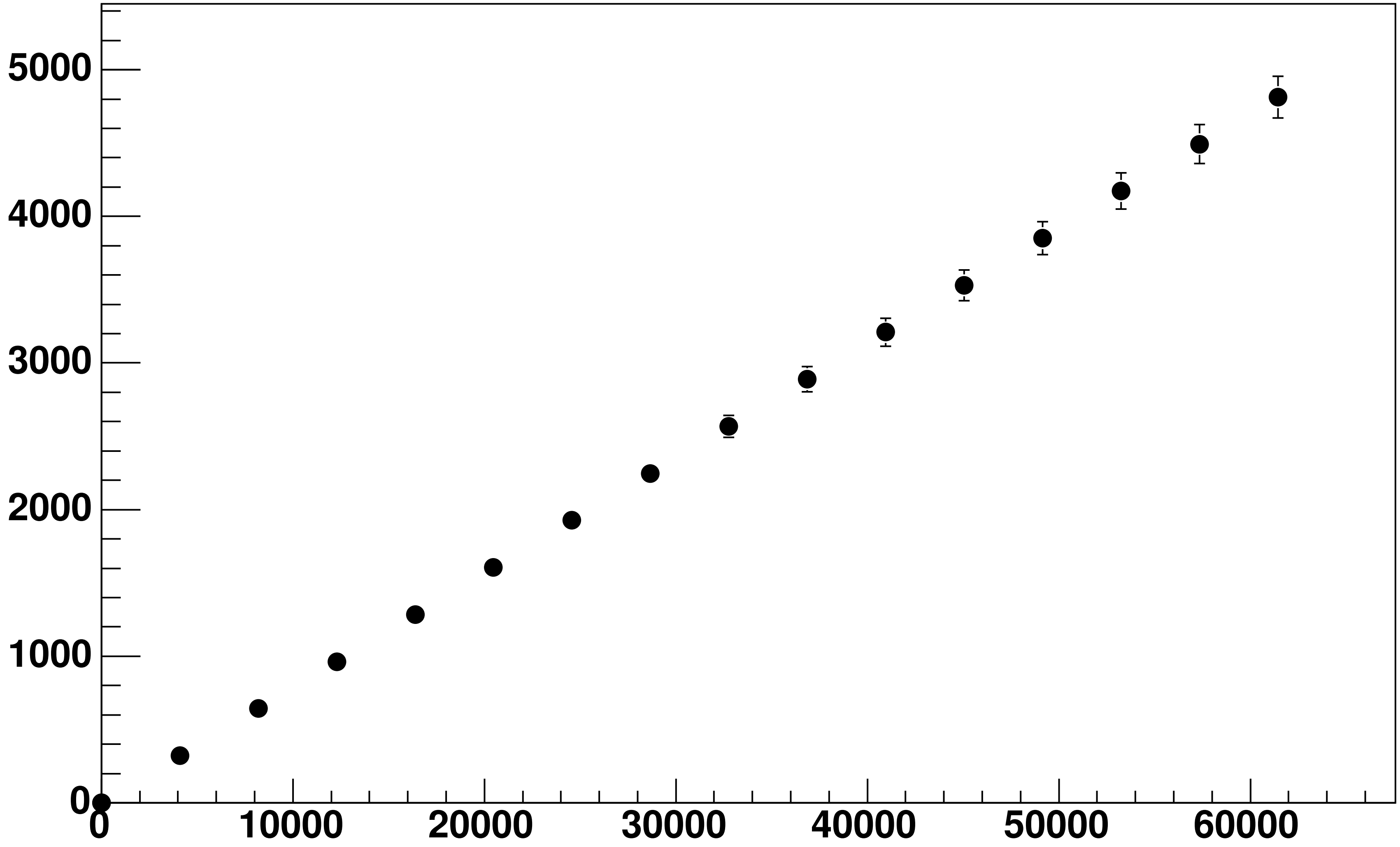
FE5, Chip 3, ADC residuals vs DAC0

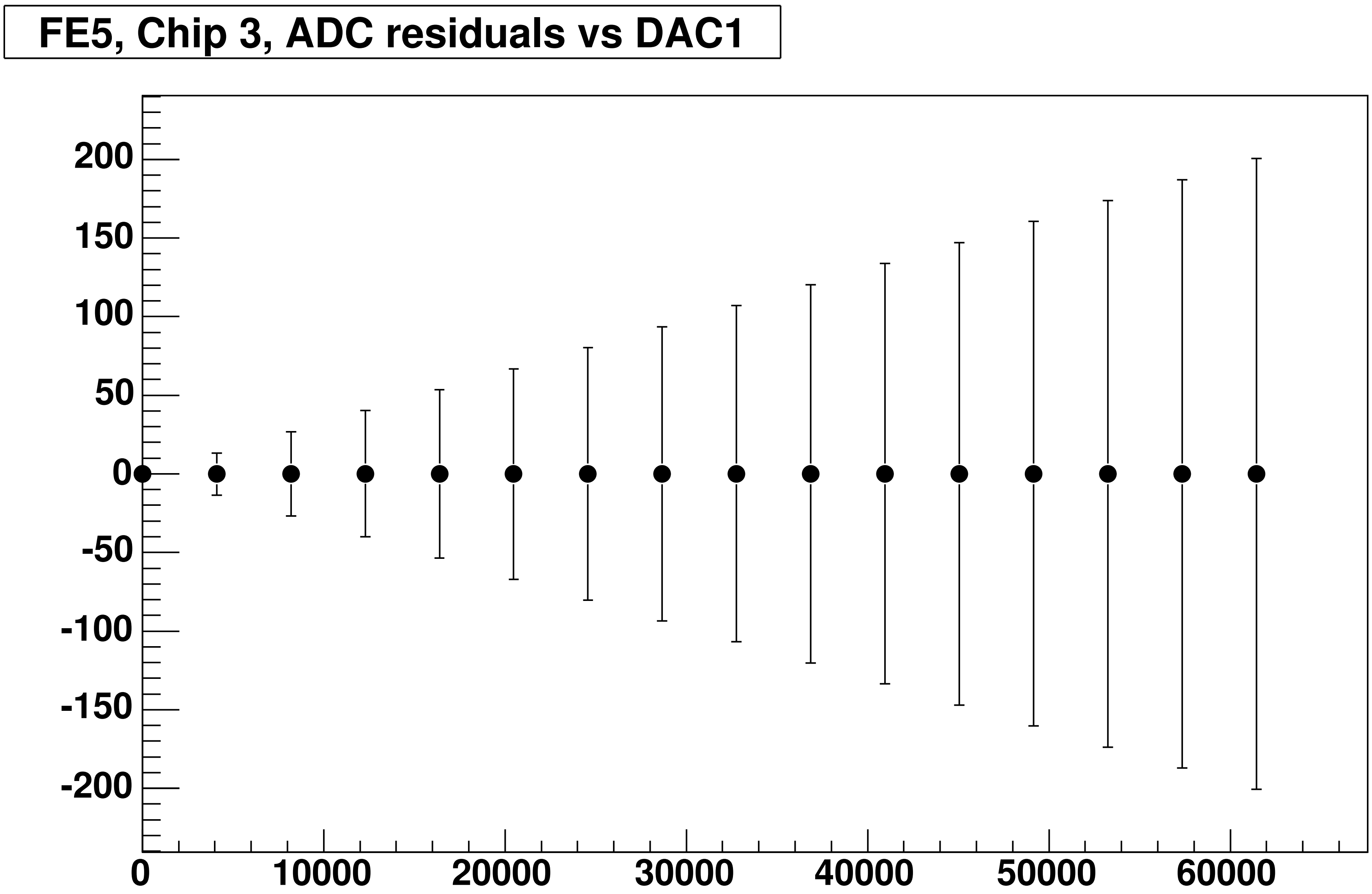




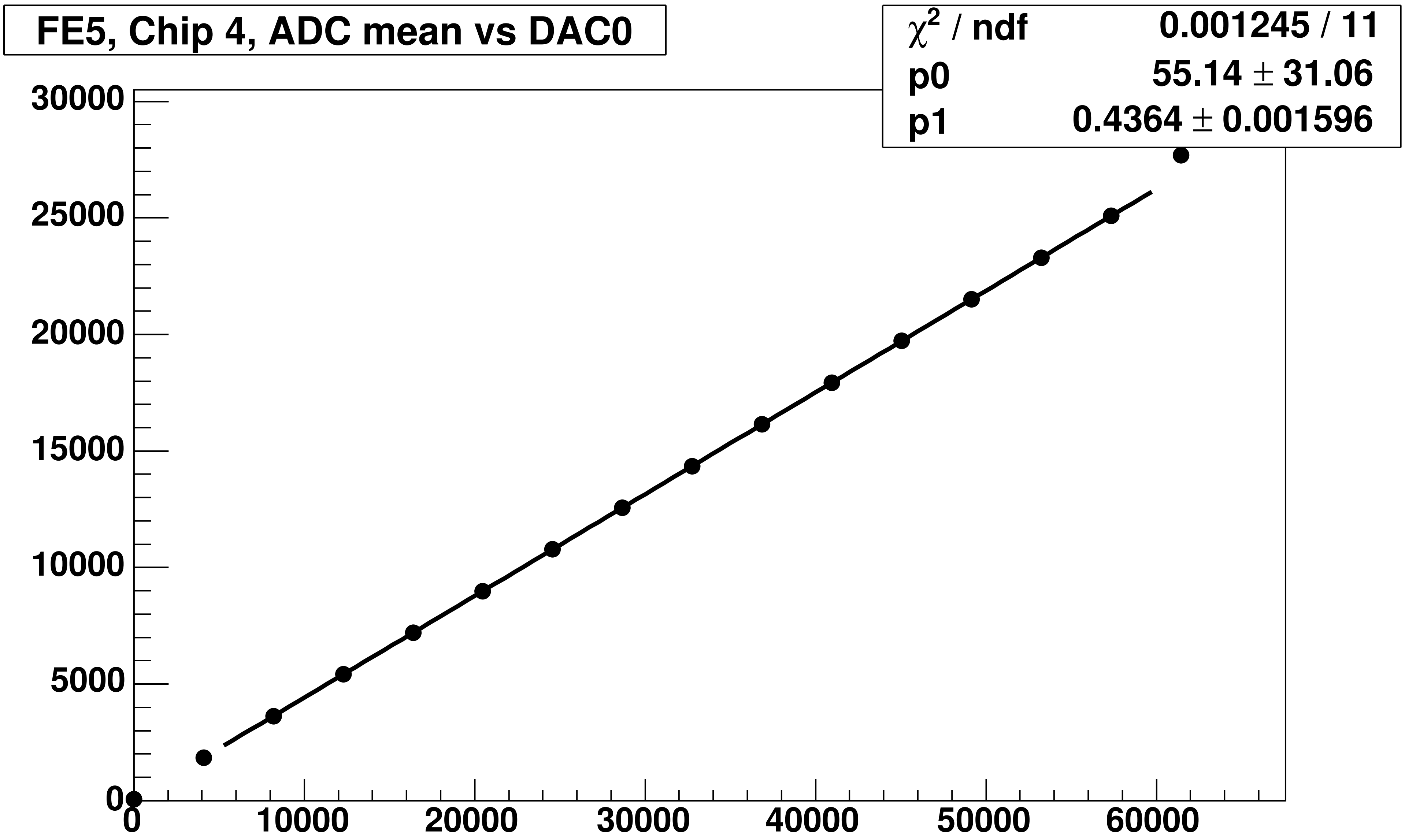
FE5, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 1.241e-05 / 11
p0 55.8 ± 31.02
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

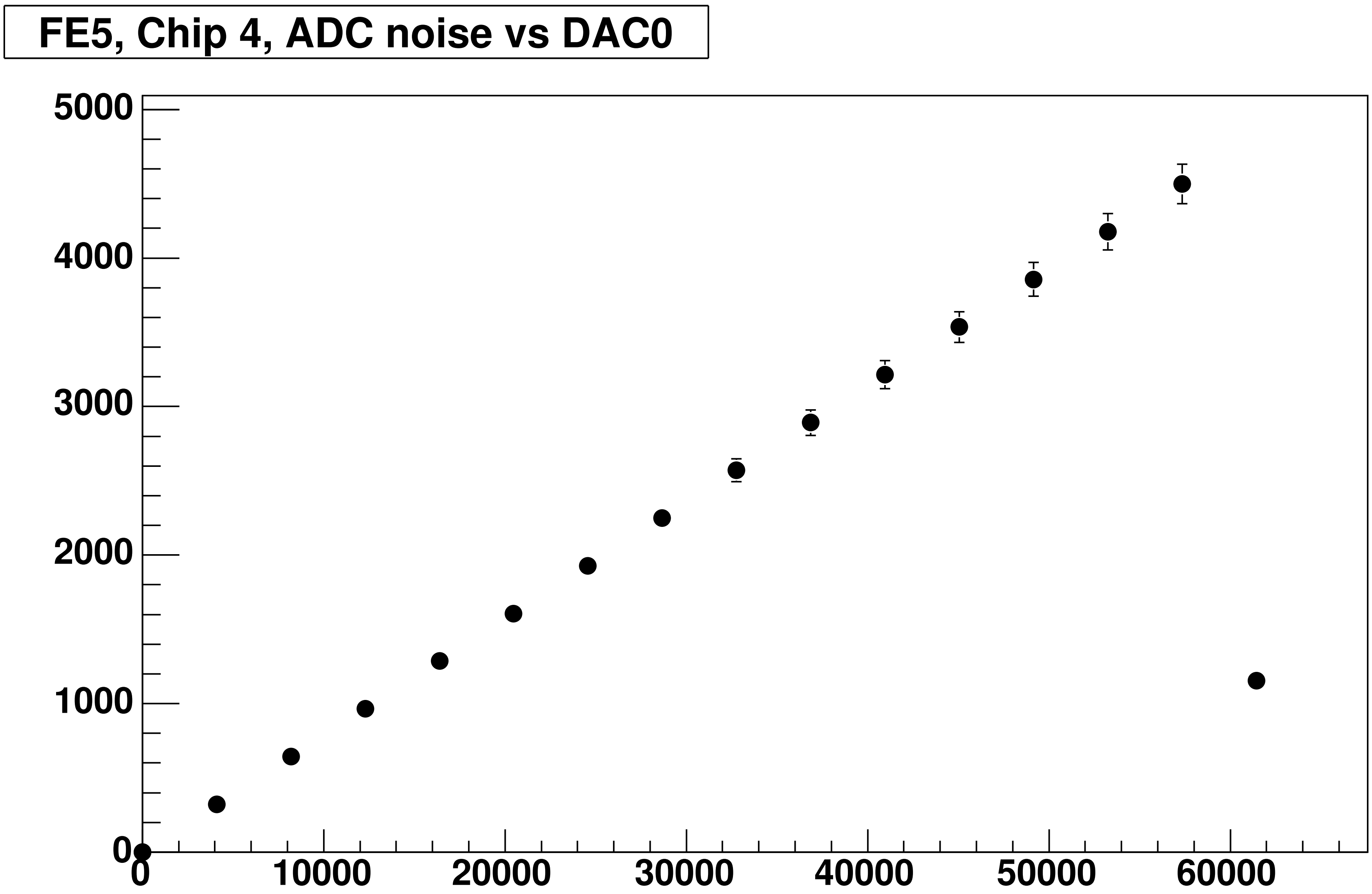
FE5, Chip 3, ADC noise vs DAC1

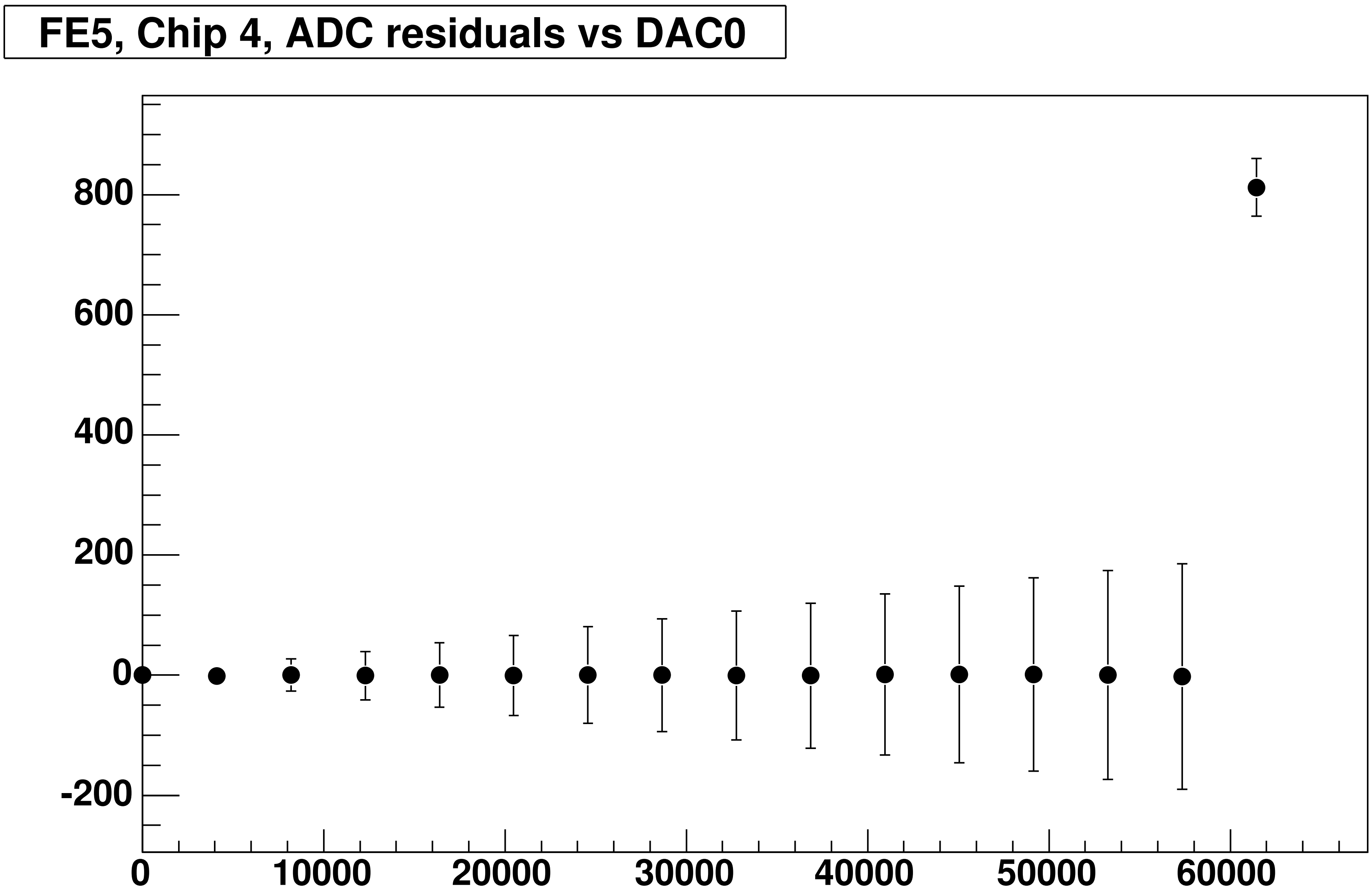


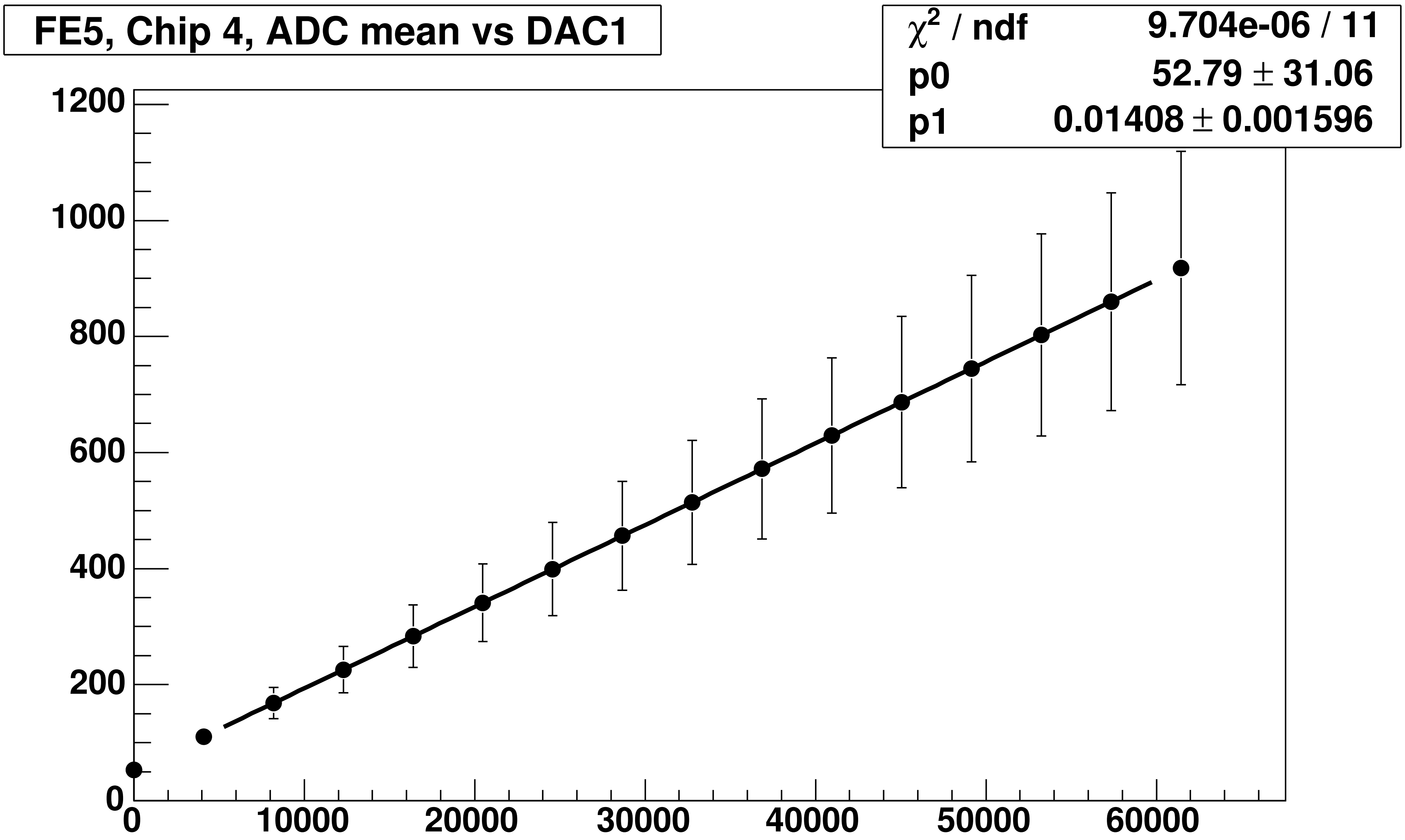


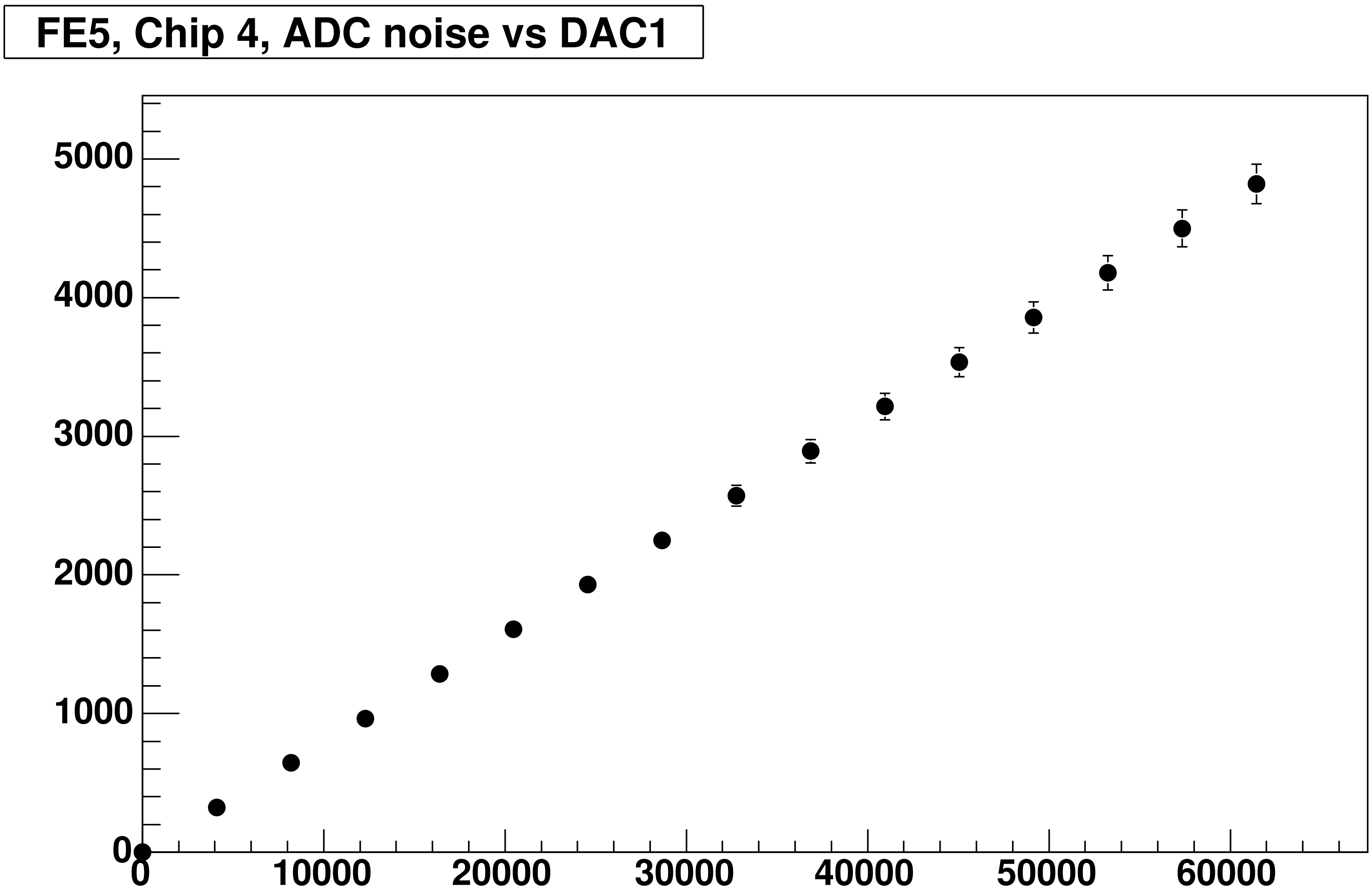
FE5, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

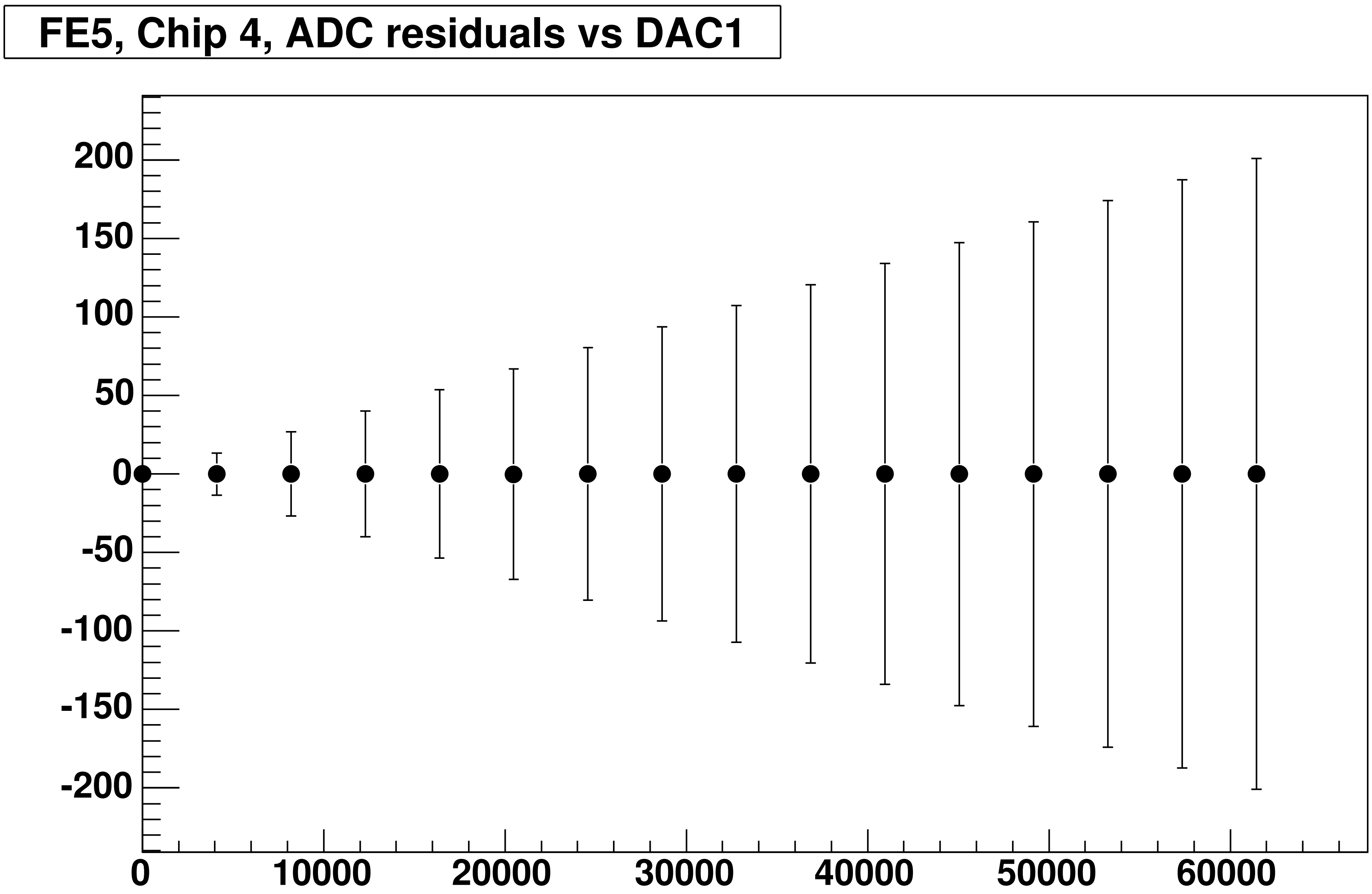

FE5, Chip 4, ADC mean vs DAC0
$\chi^2$ / ndf 0.001245 / 11
p0 55.14 ± 31.06
p1 0.4364 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

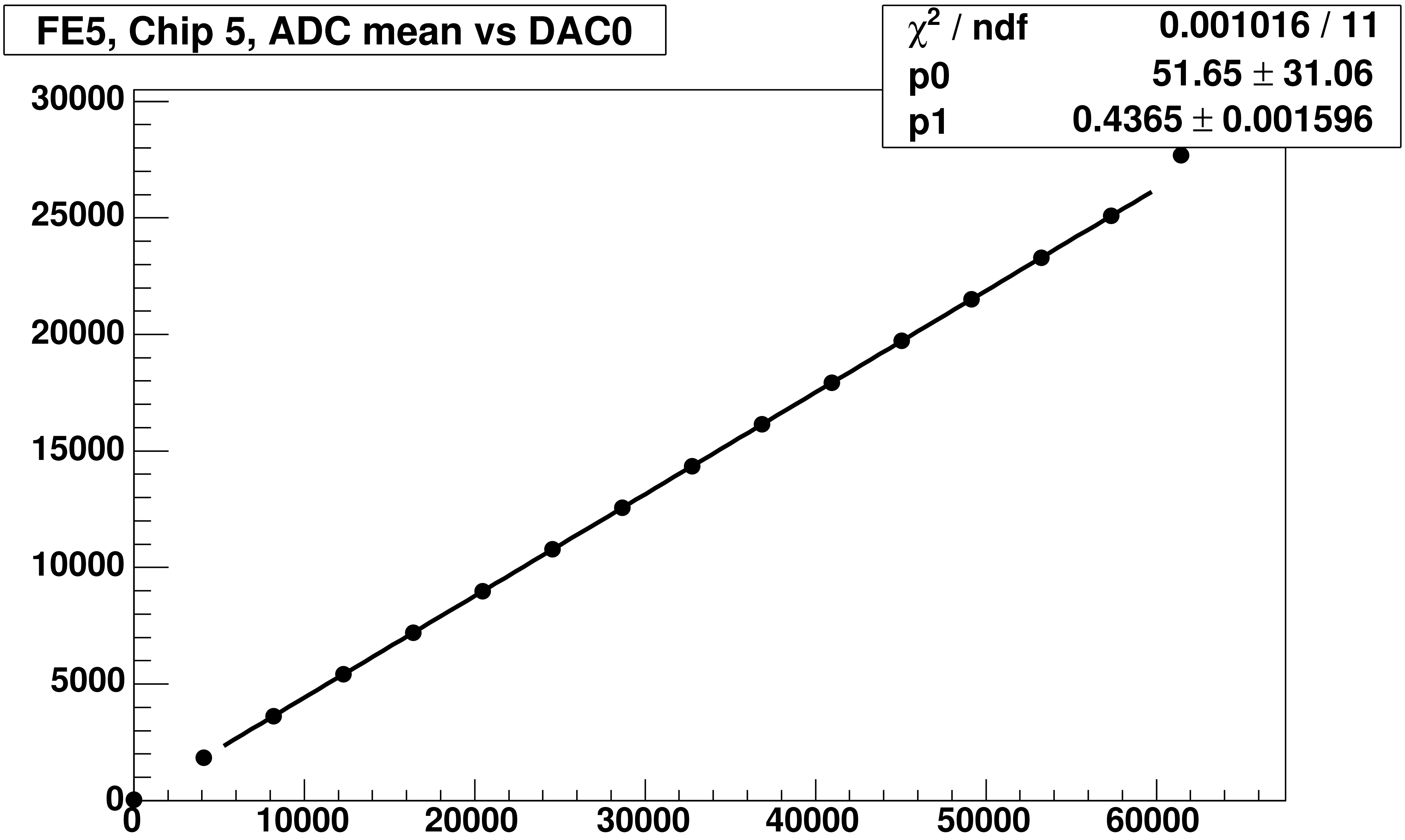

FE5, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 4, ADC mean vs DAC1
$\chi^2$ / ndf 9.704e-06 / 11
p0 52.79 ± 31.06
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

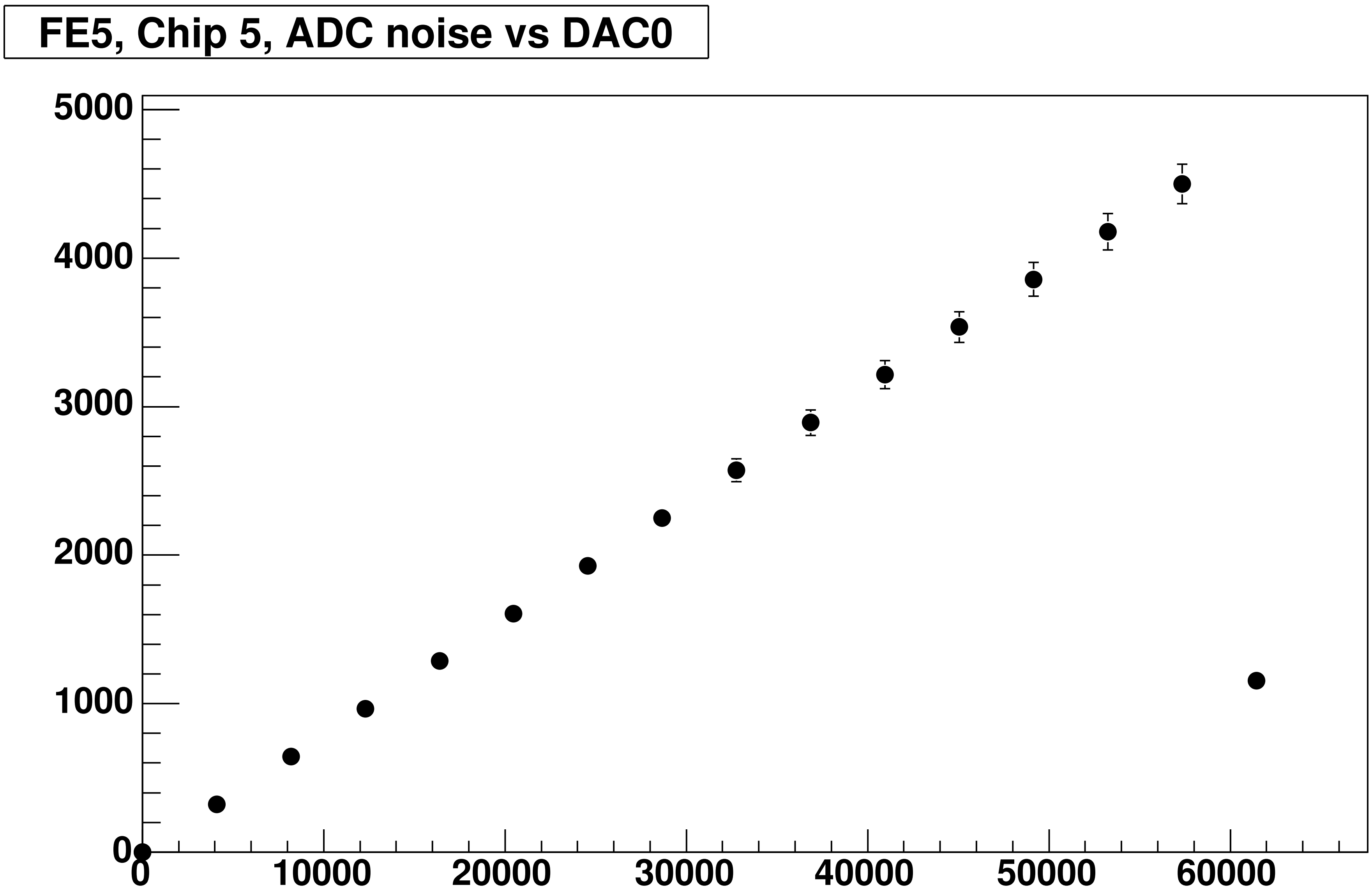

FE5, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

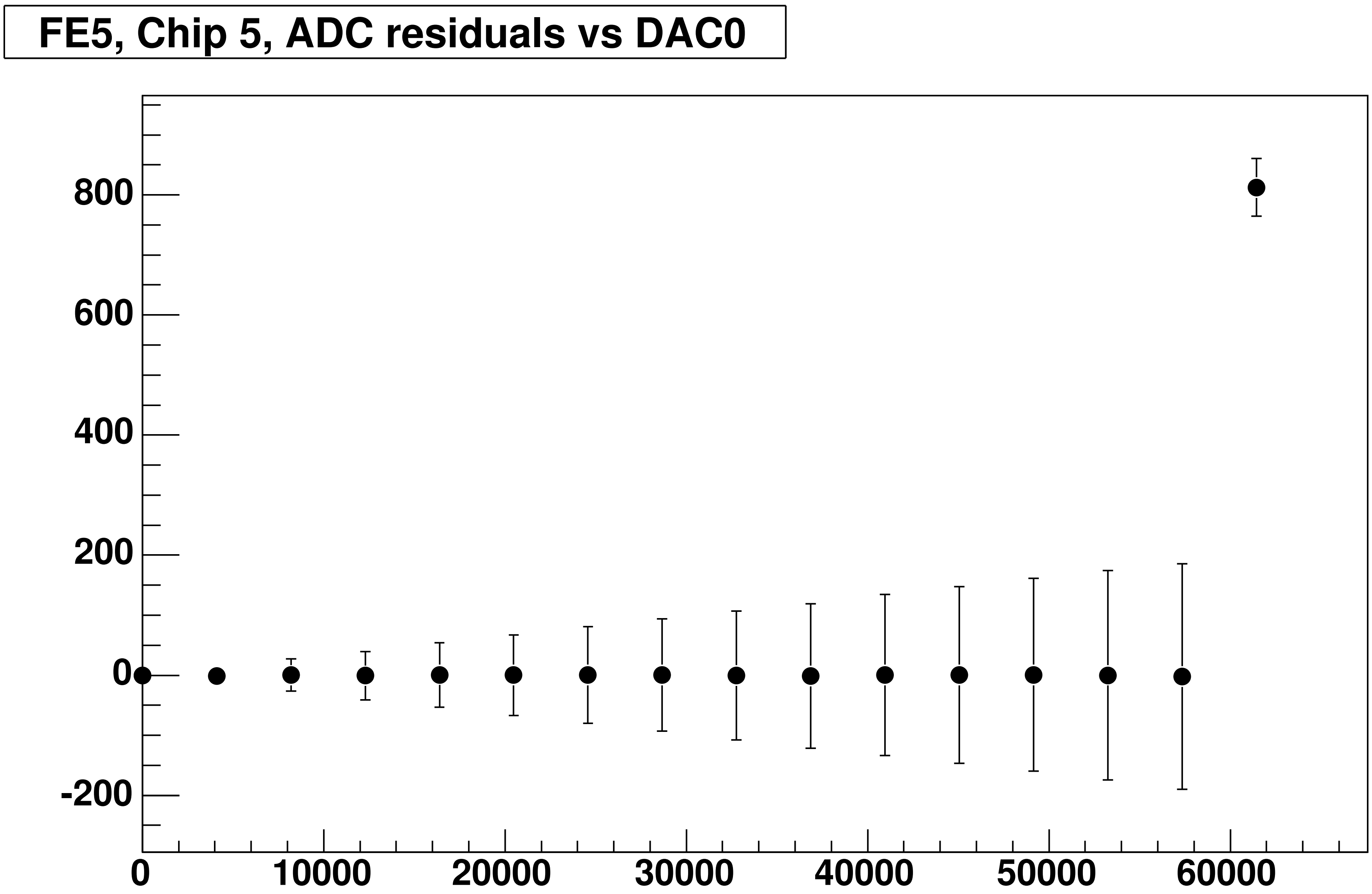


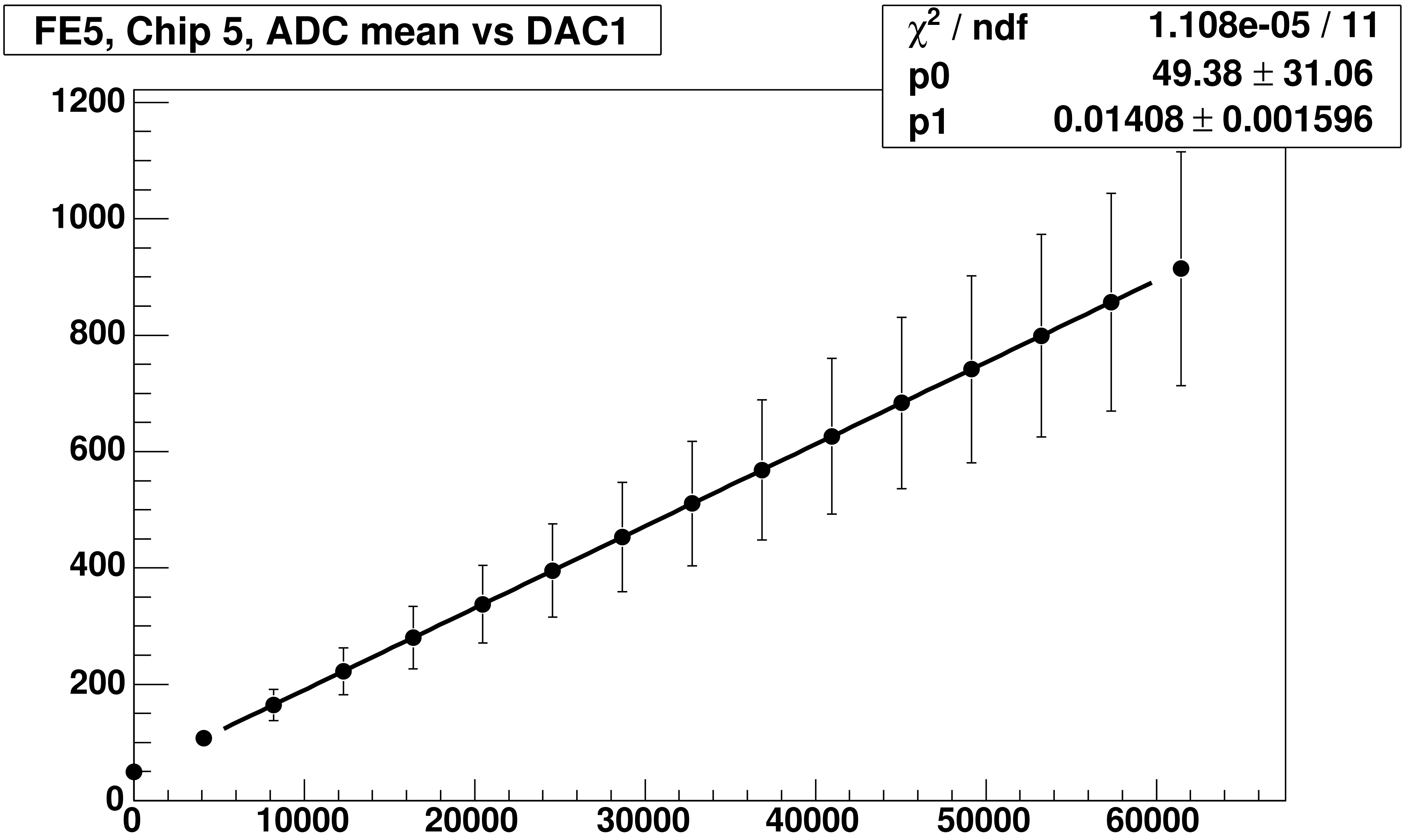
FE5, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



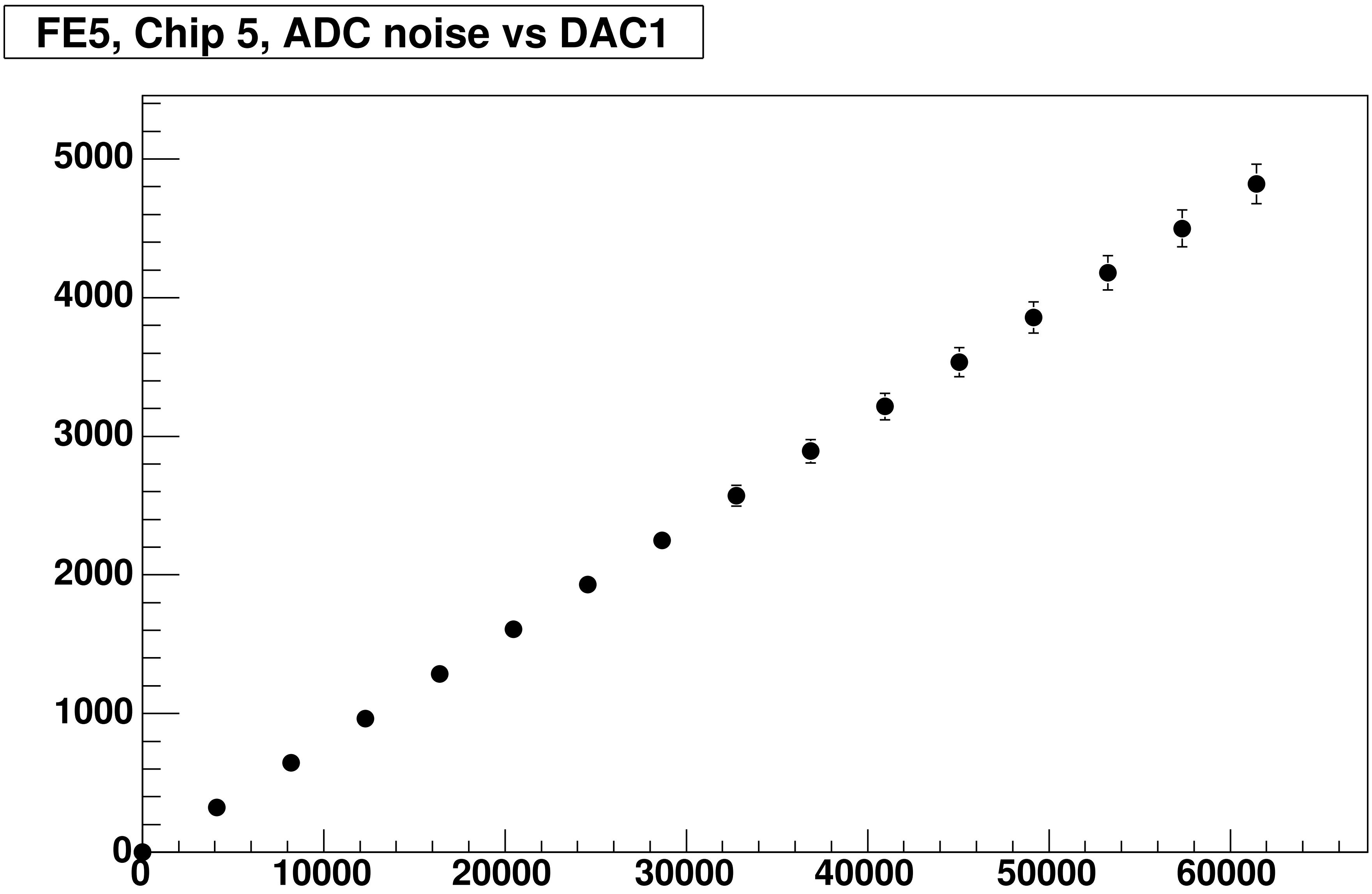
FE5, Chip 5, ADC mean vs DAC0
$\chi^2$ / ndf 0.001016 / 11
p0 51.65 ± 31.06
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

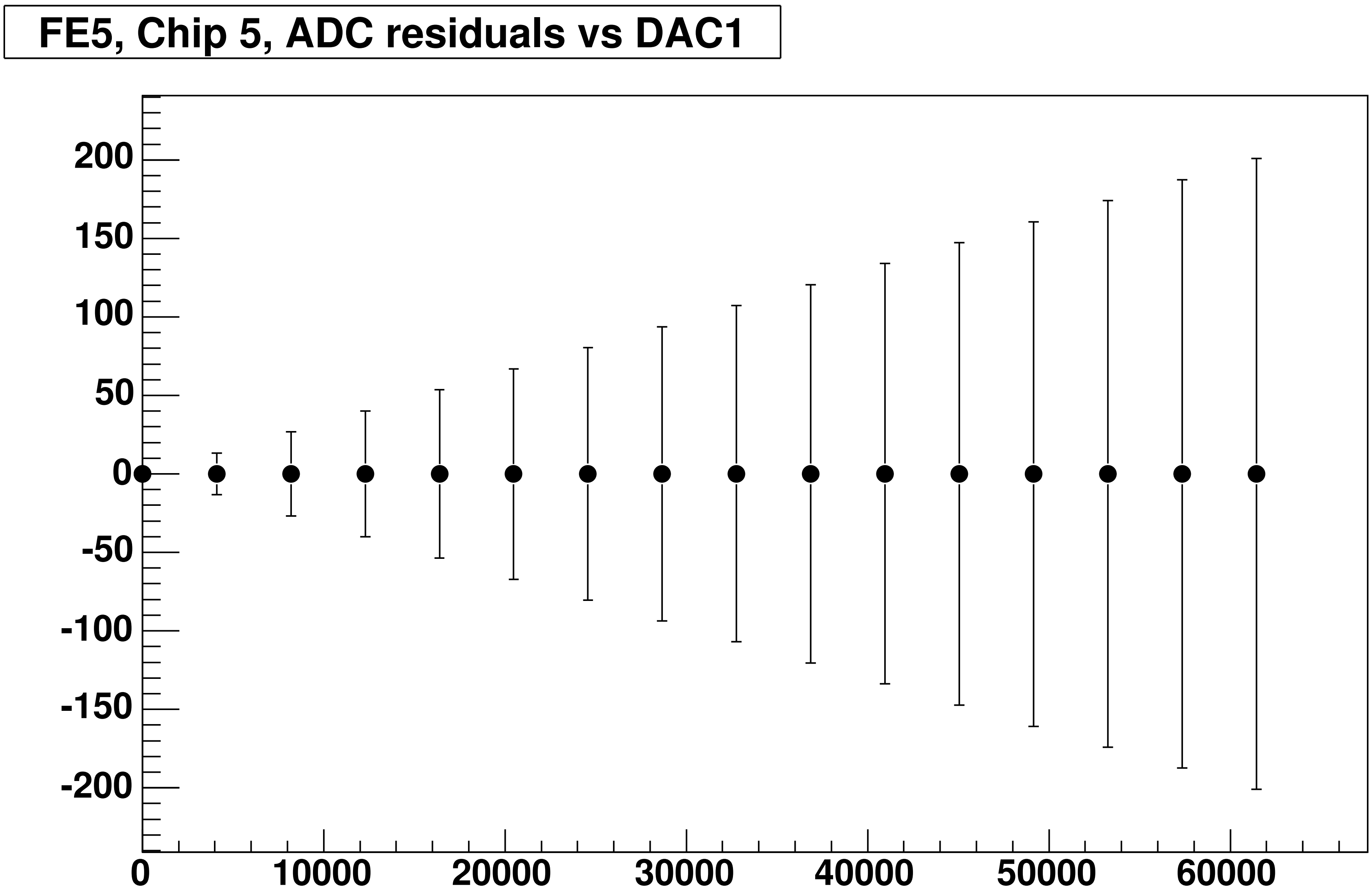

FE5, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

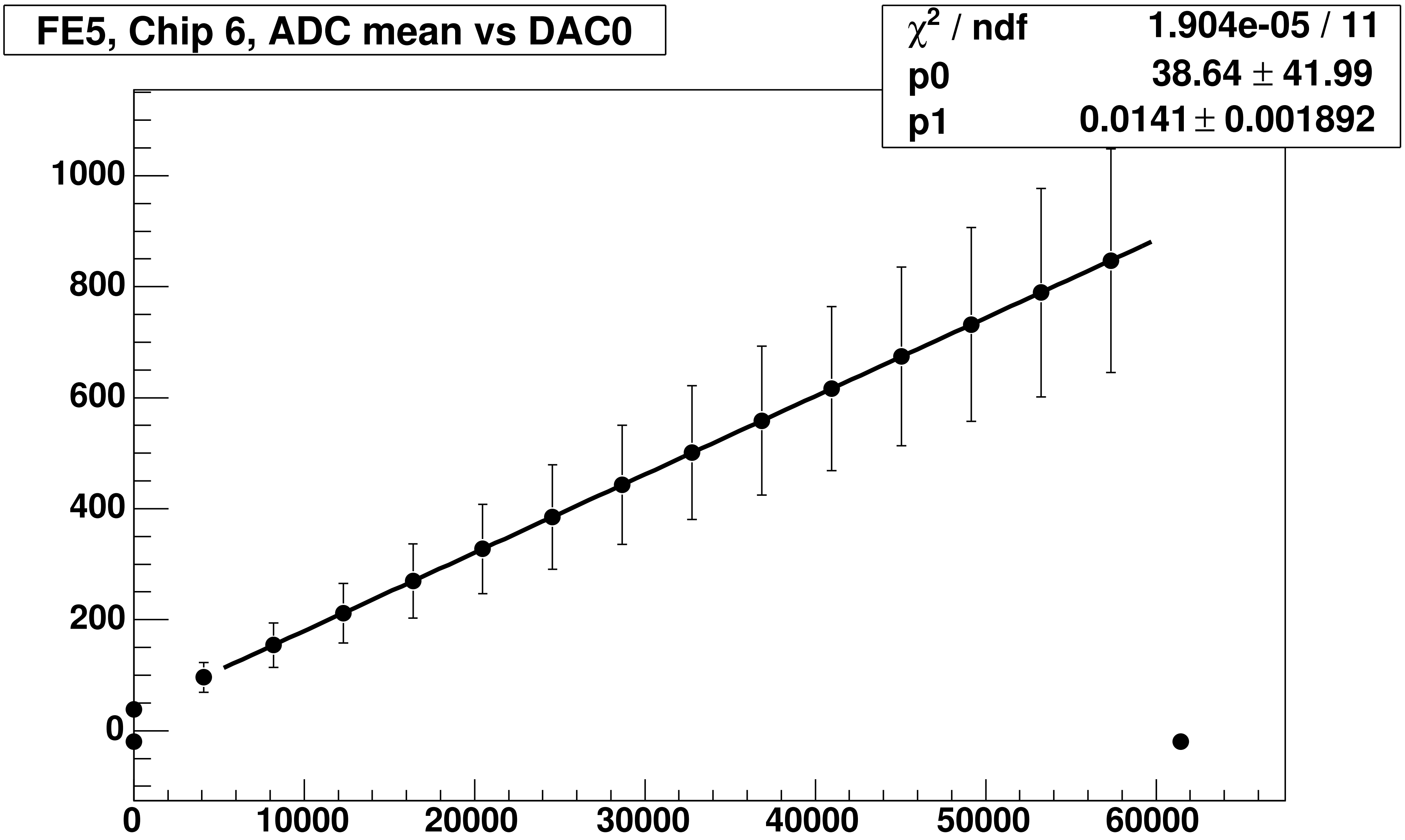

FE5, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



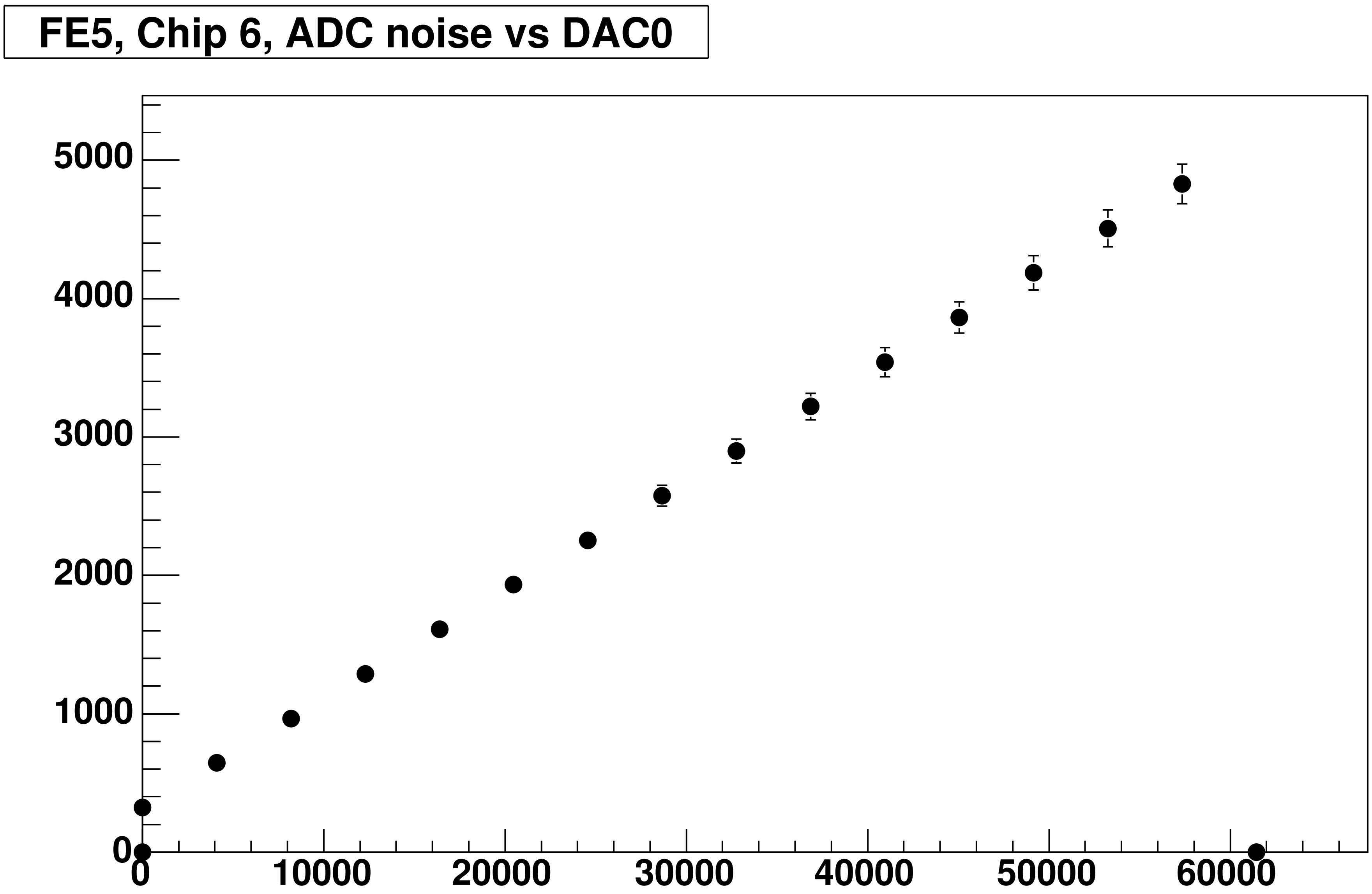
FE5, Chip 5, ADC mean vs DAC1
$\chi^2$ / ndf 1.108e-05 / 11
p0 49.38 ± 31.06
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

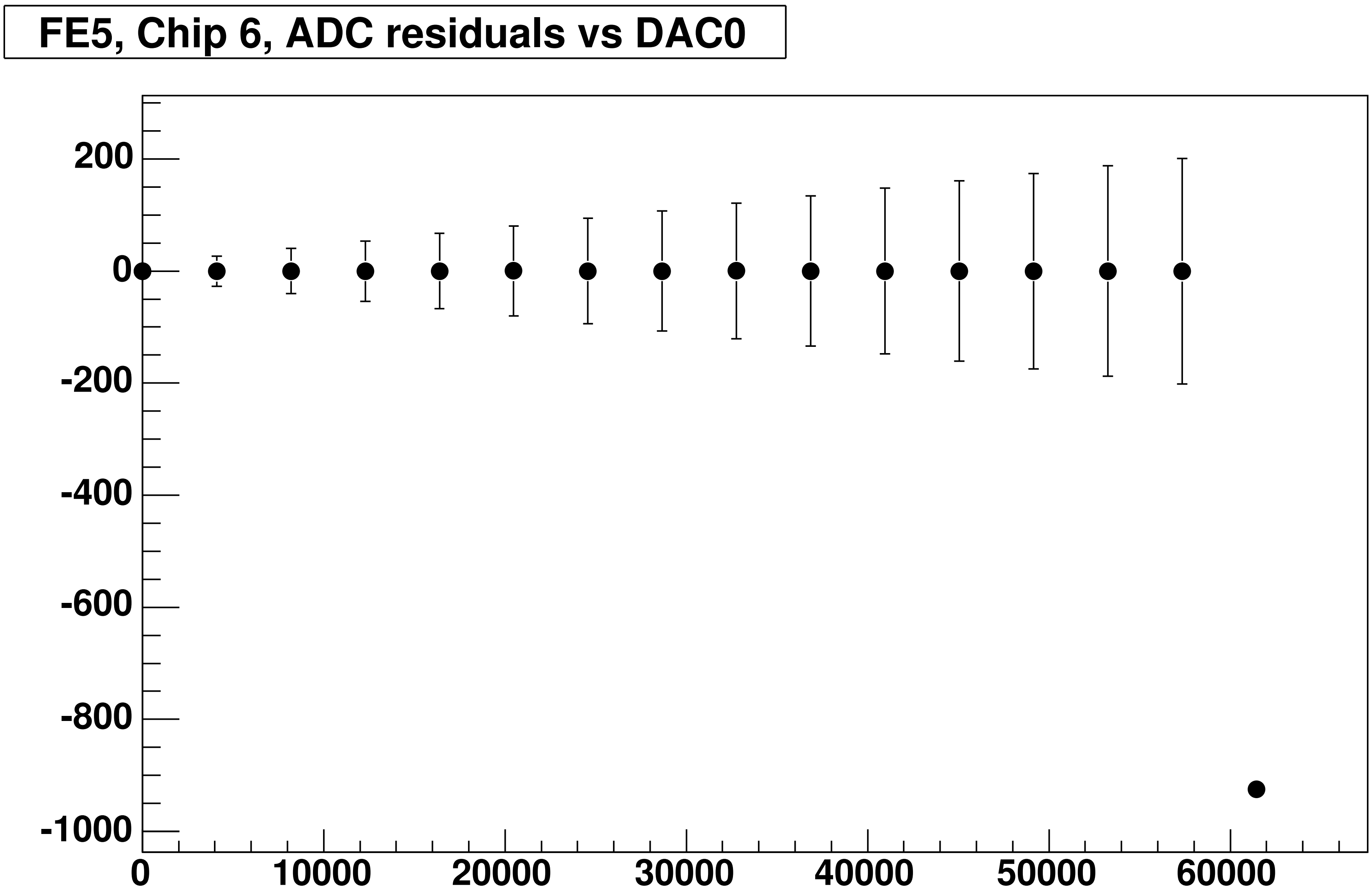

FE5, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

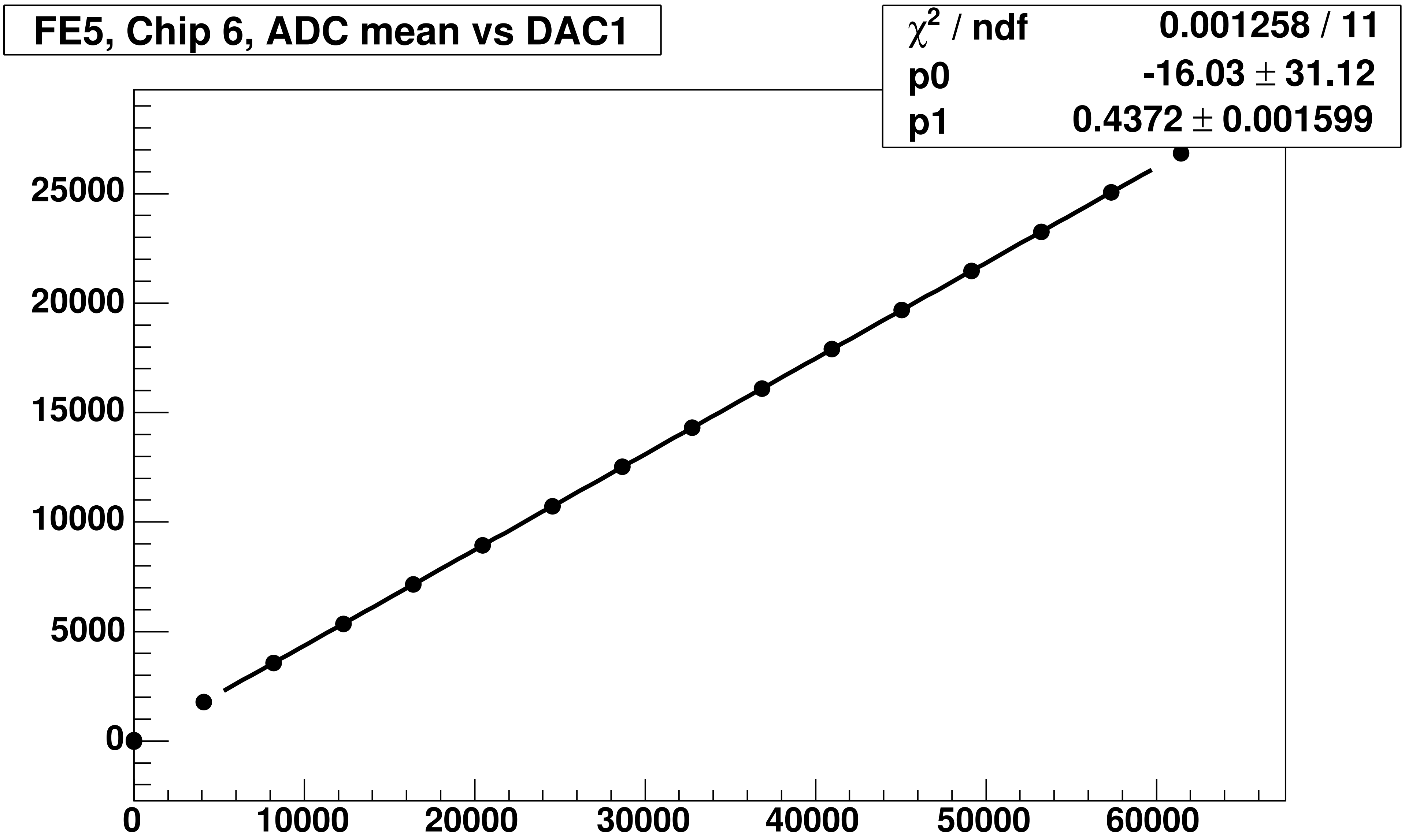


FE5, Chip 6, ADC mean vs DAC0
$\chi^2$ / ndf 1.904e-05 / 11
p0 38.64 ± 41.99
p1 0.0141 ± 0.001892
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

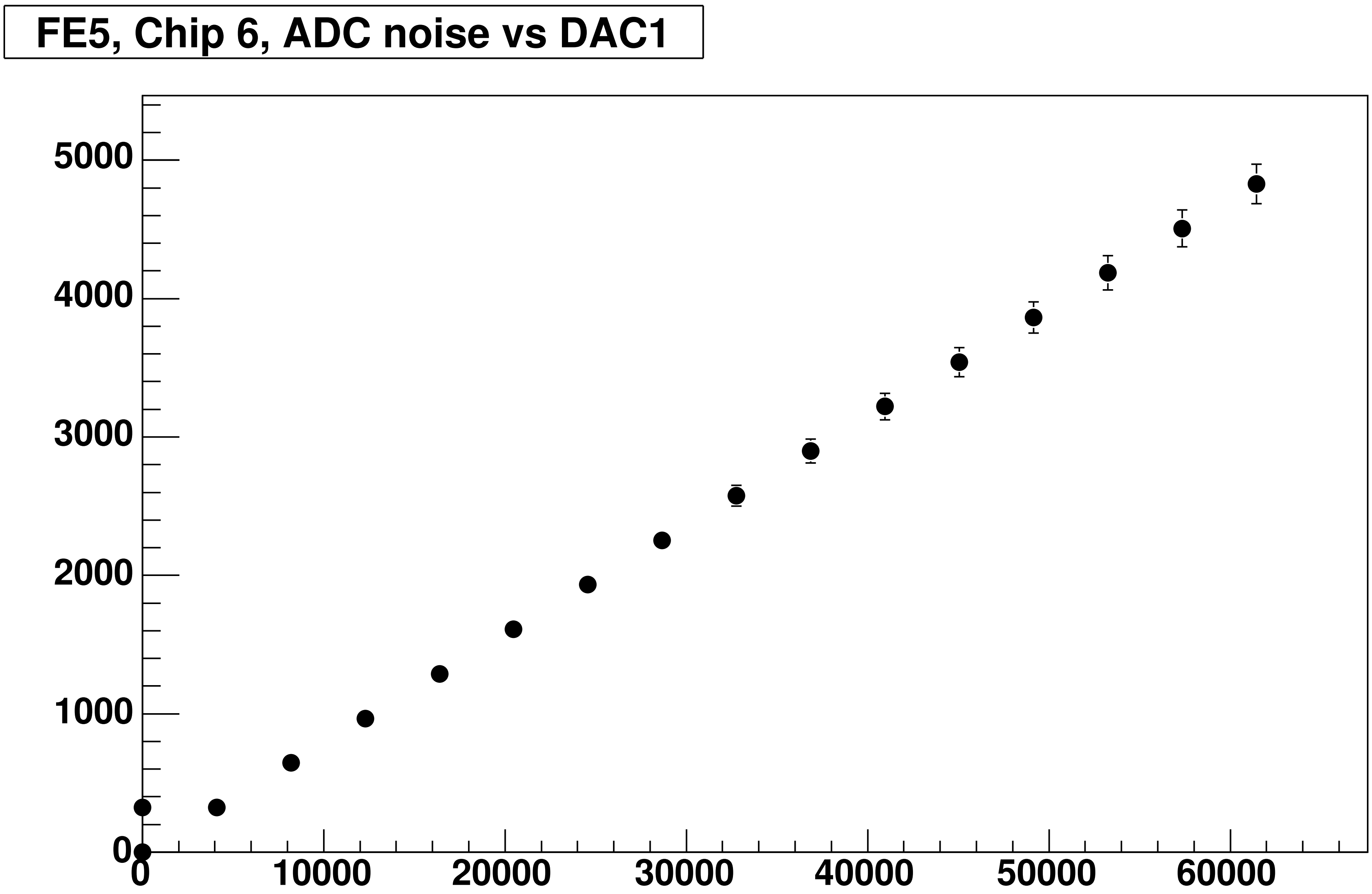

FE5, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

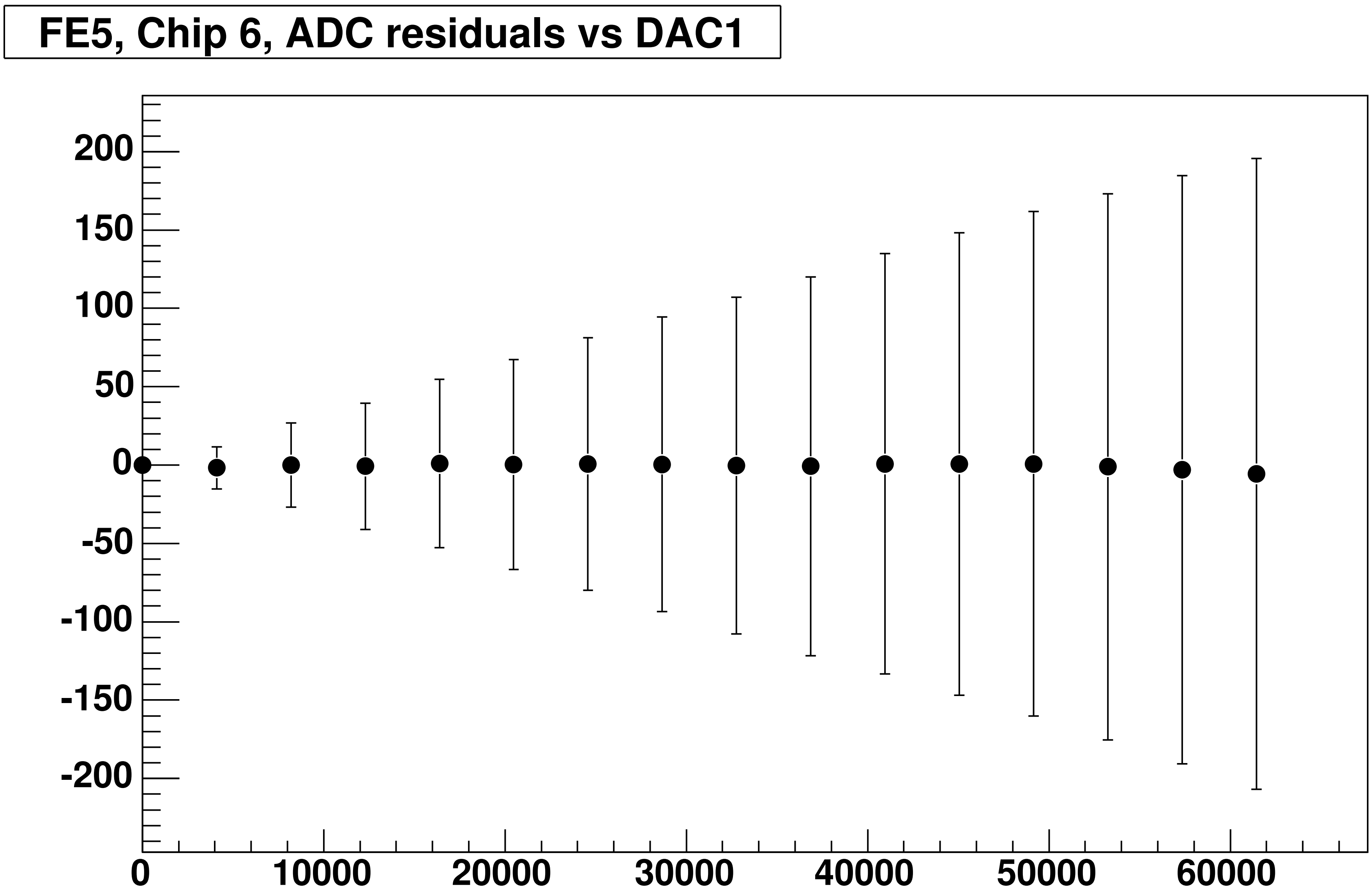


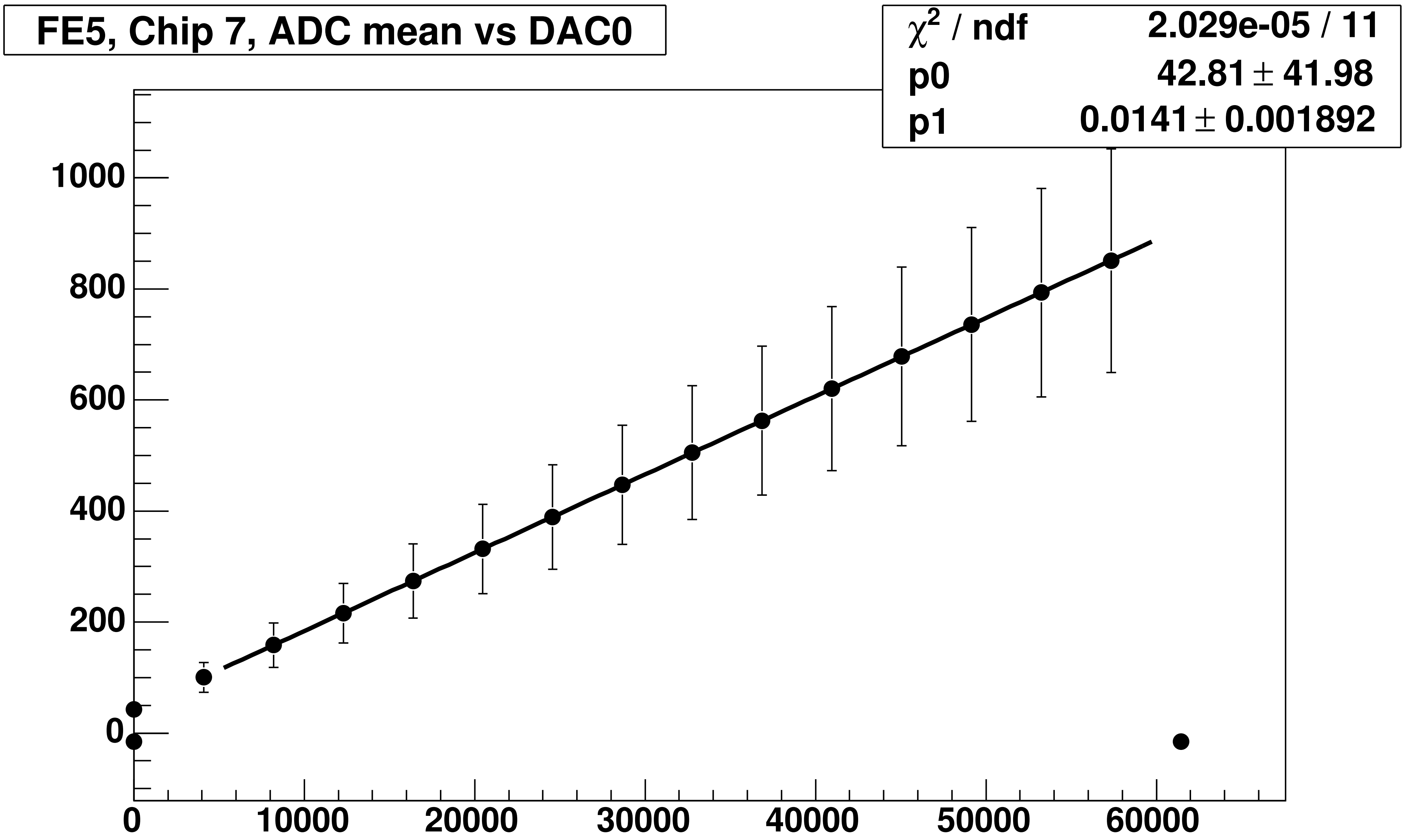
FE5, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

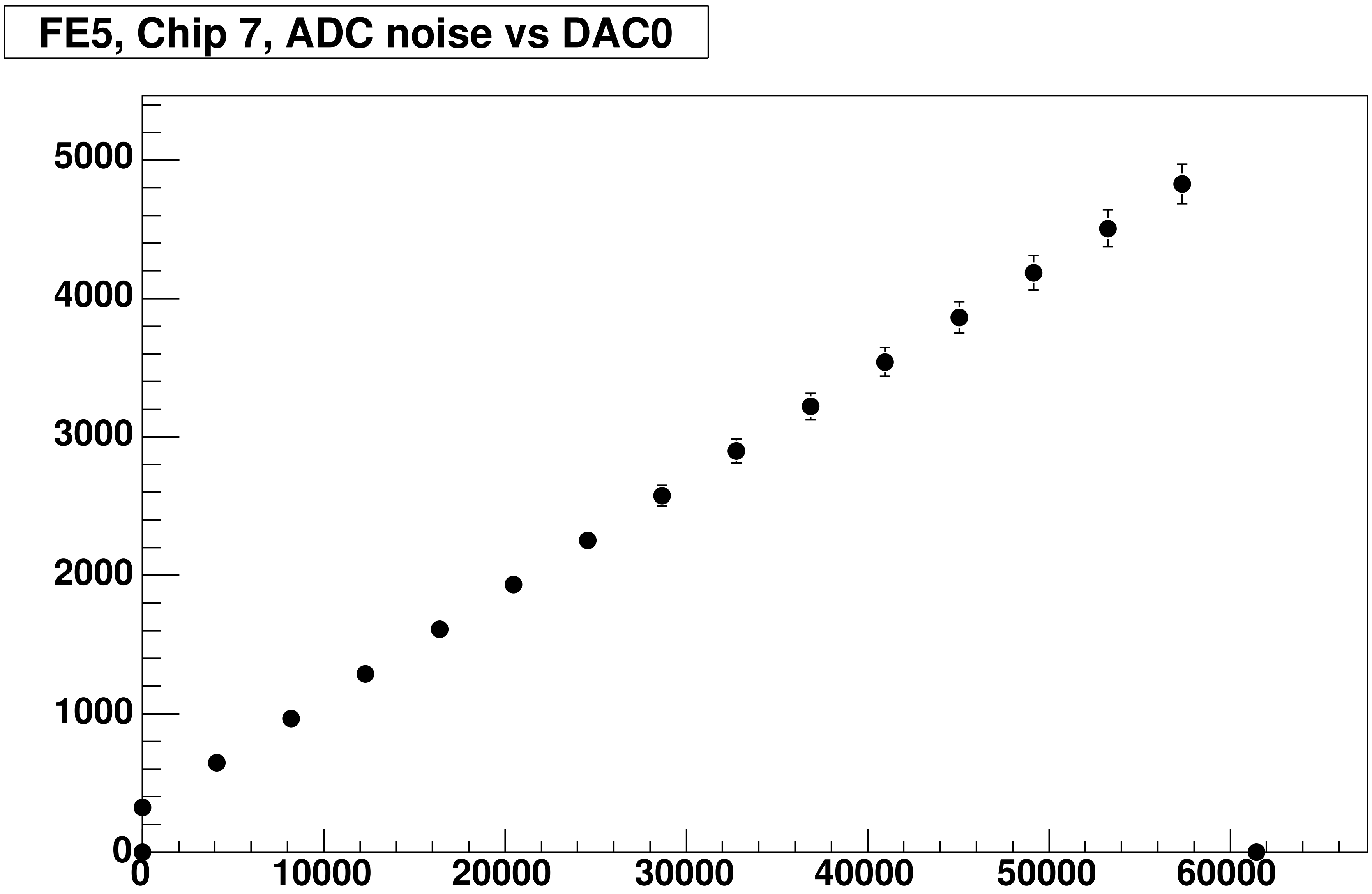


FE5, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.001258 / 11
p0 -16.03 ± 31.12
p1 0.4372 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

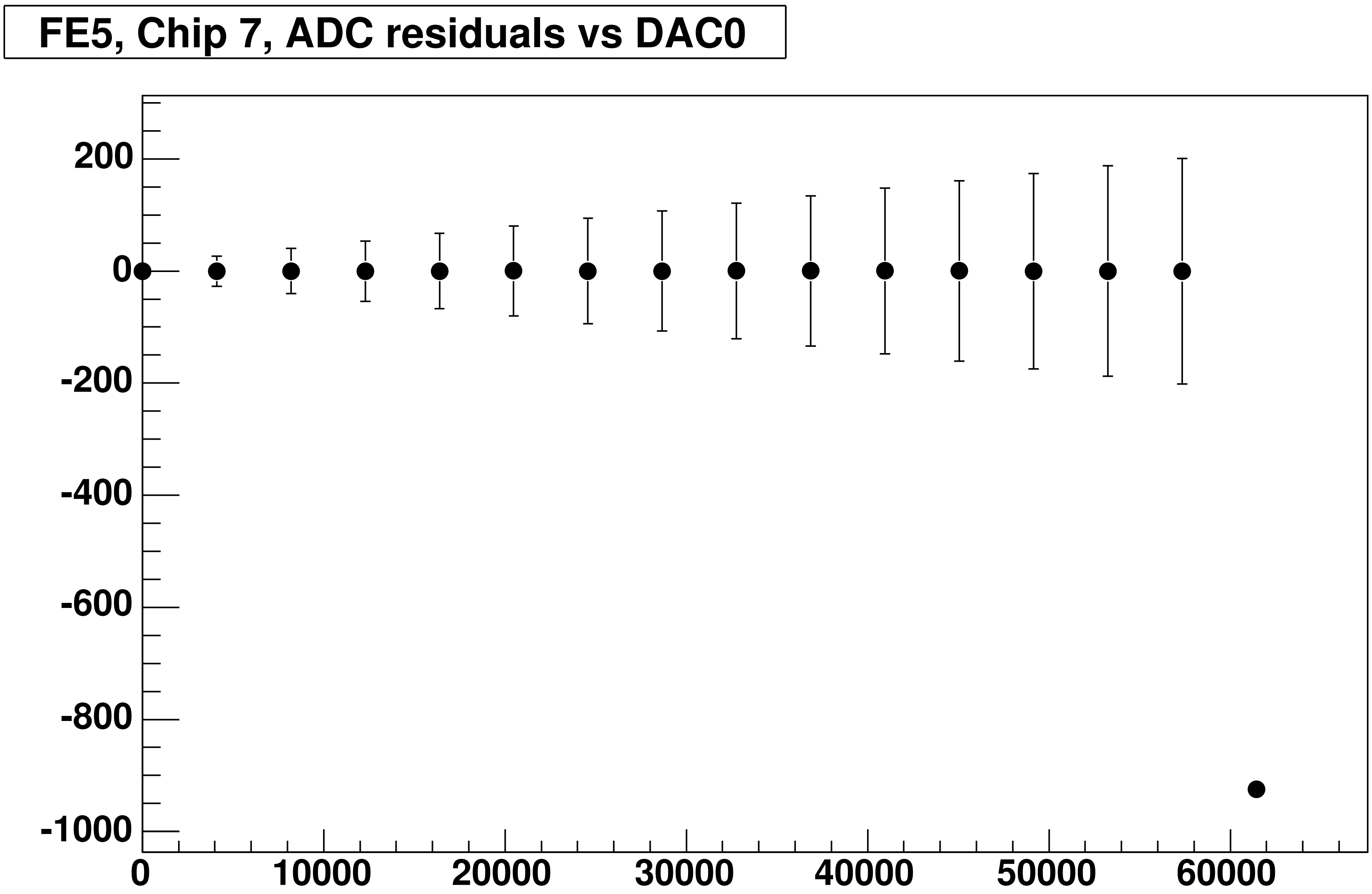

FE5, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

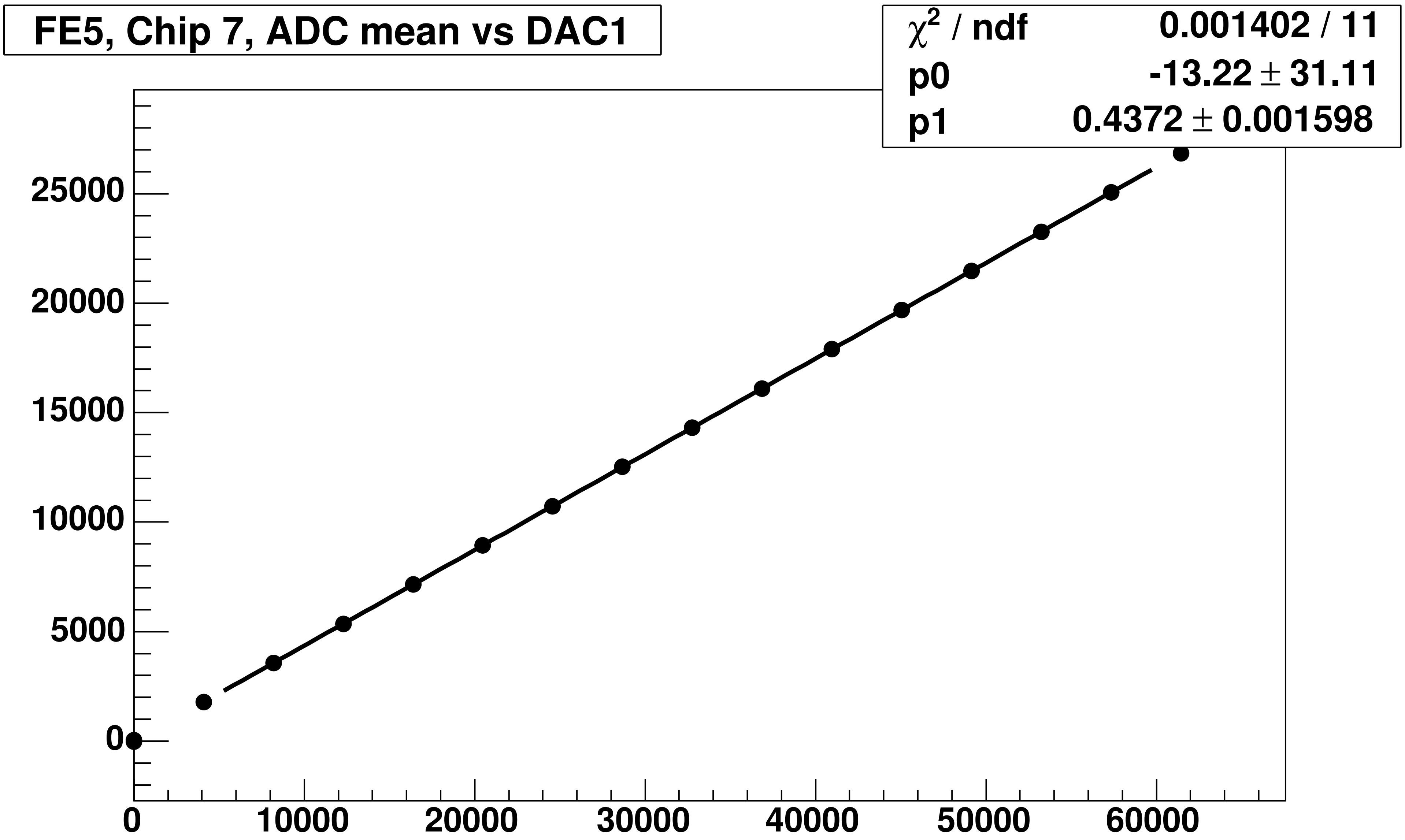

FE5, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 7, ADC mean vs DAC0
$\chi^2$ / ndf 2.029e-05 / 11
p0 42.81 ± 41.98
p1 0.0141 ± 0.001892
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

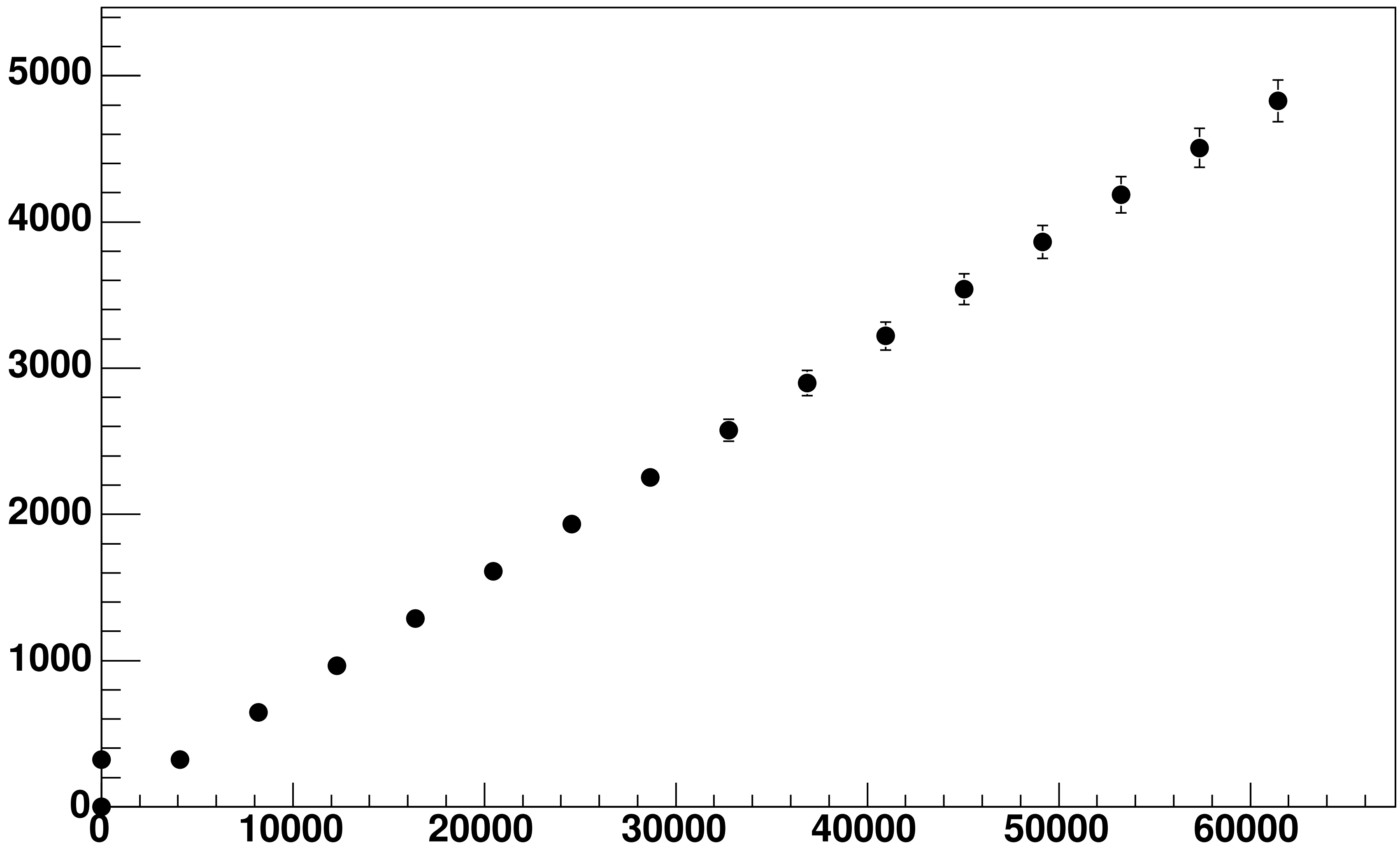


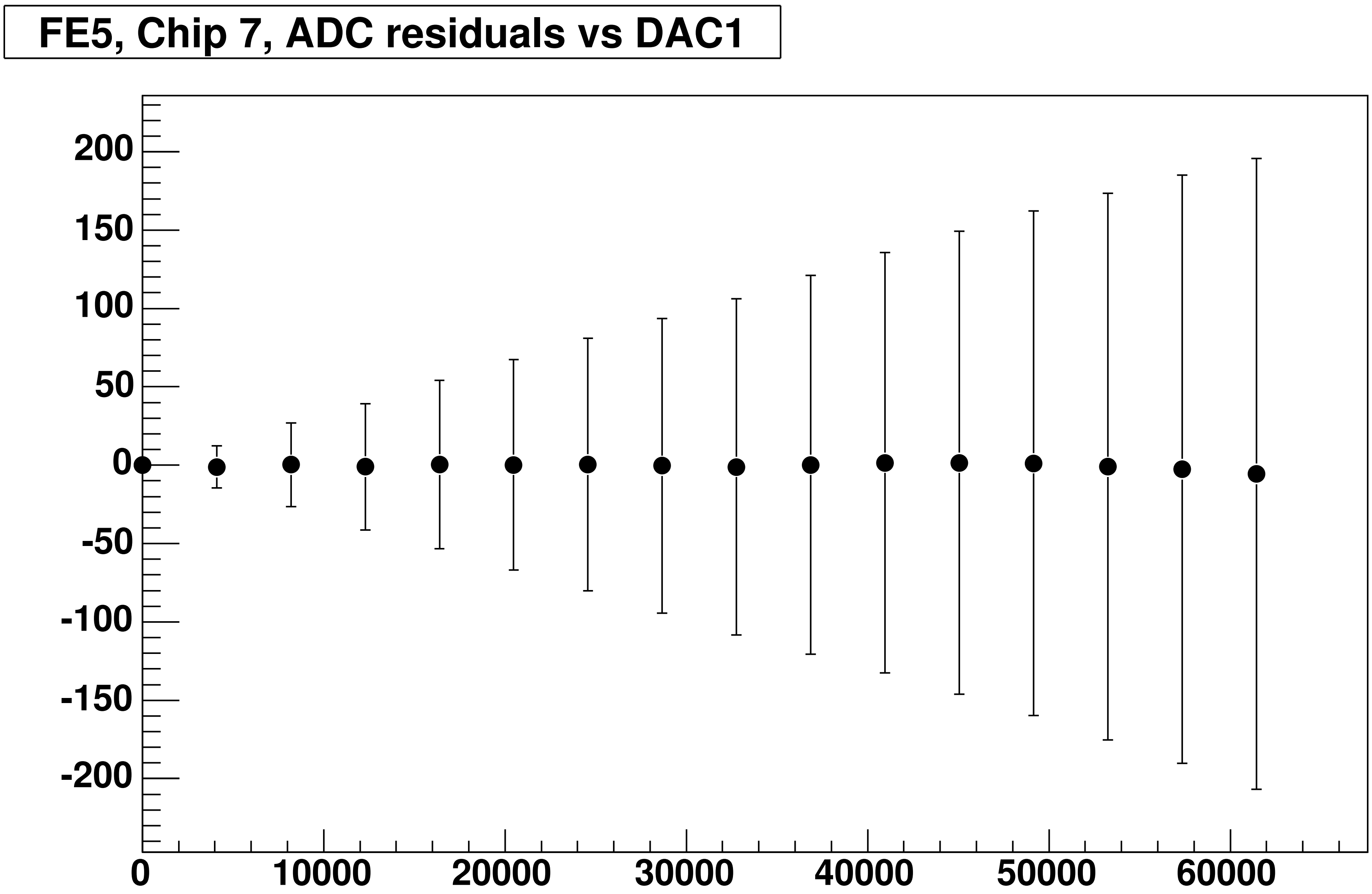
FE5, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

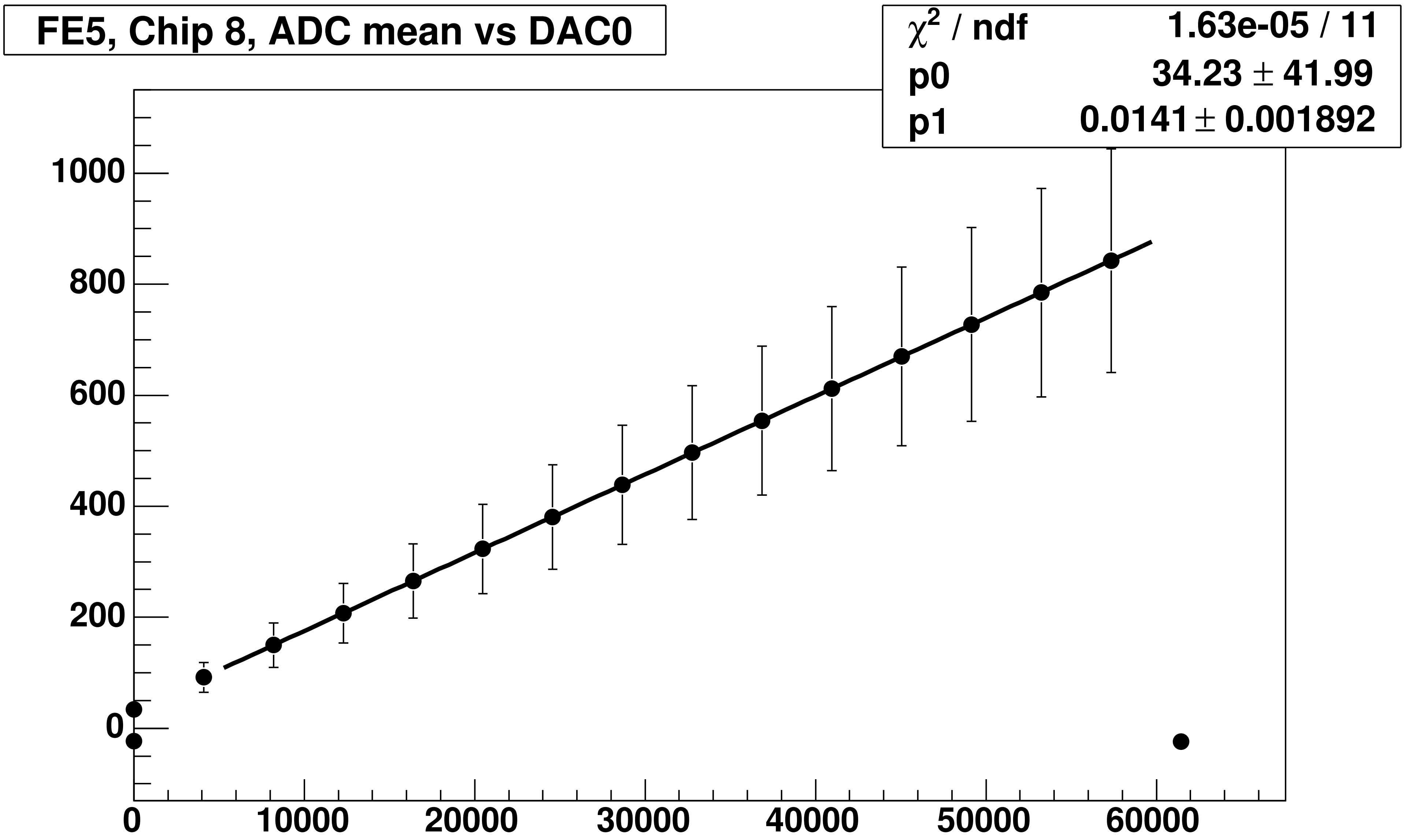

FE5, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE5, Chip 7, ADC mean vs DAC1
$\chi^2$ / ndf 0.001402 / 11
p0 -13.22 ± 31.11
p1 0.4372 ± 0.001598
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000

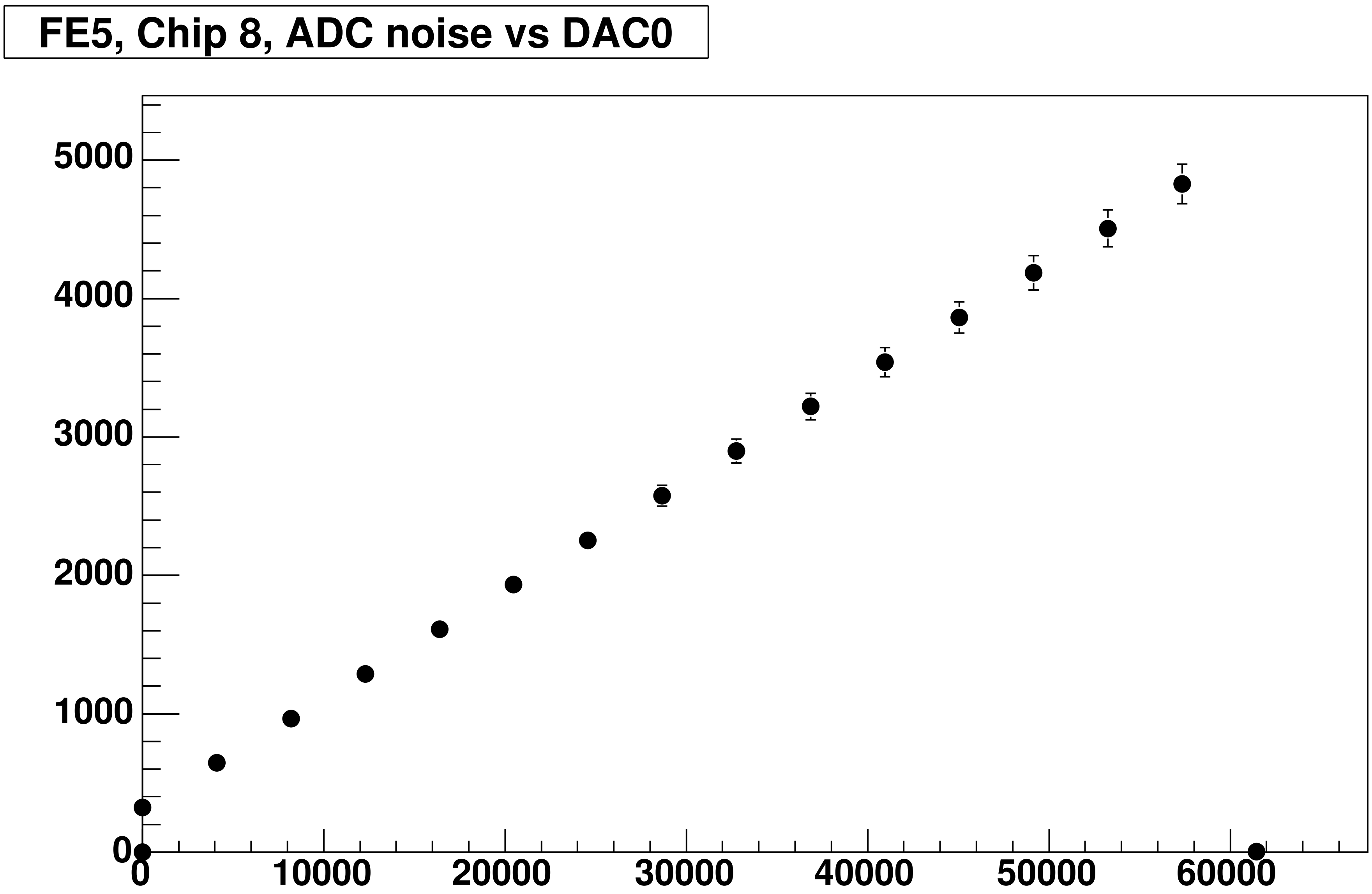
FE5, Chip 7, ADC noise vs DAC1

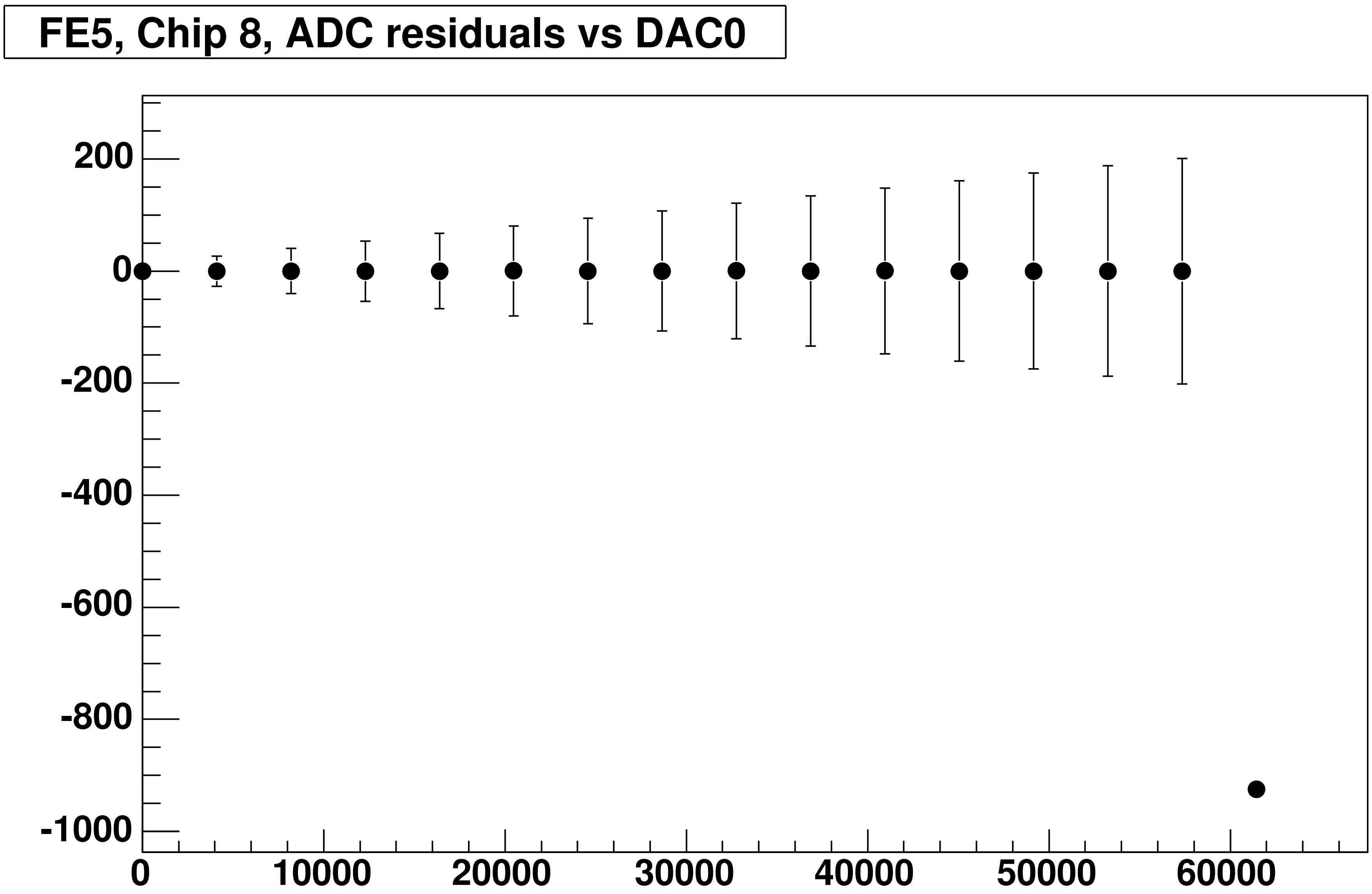


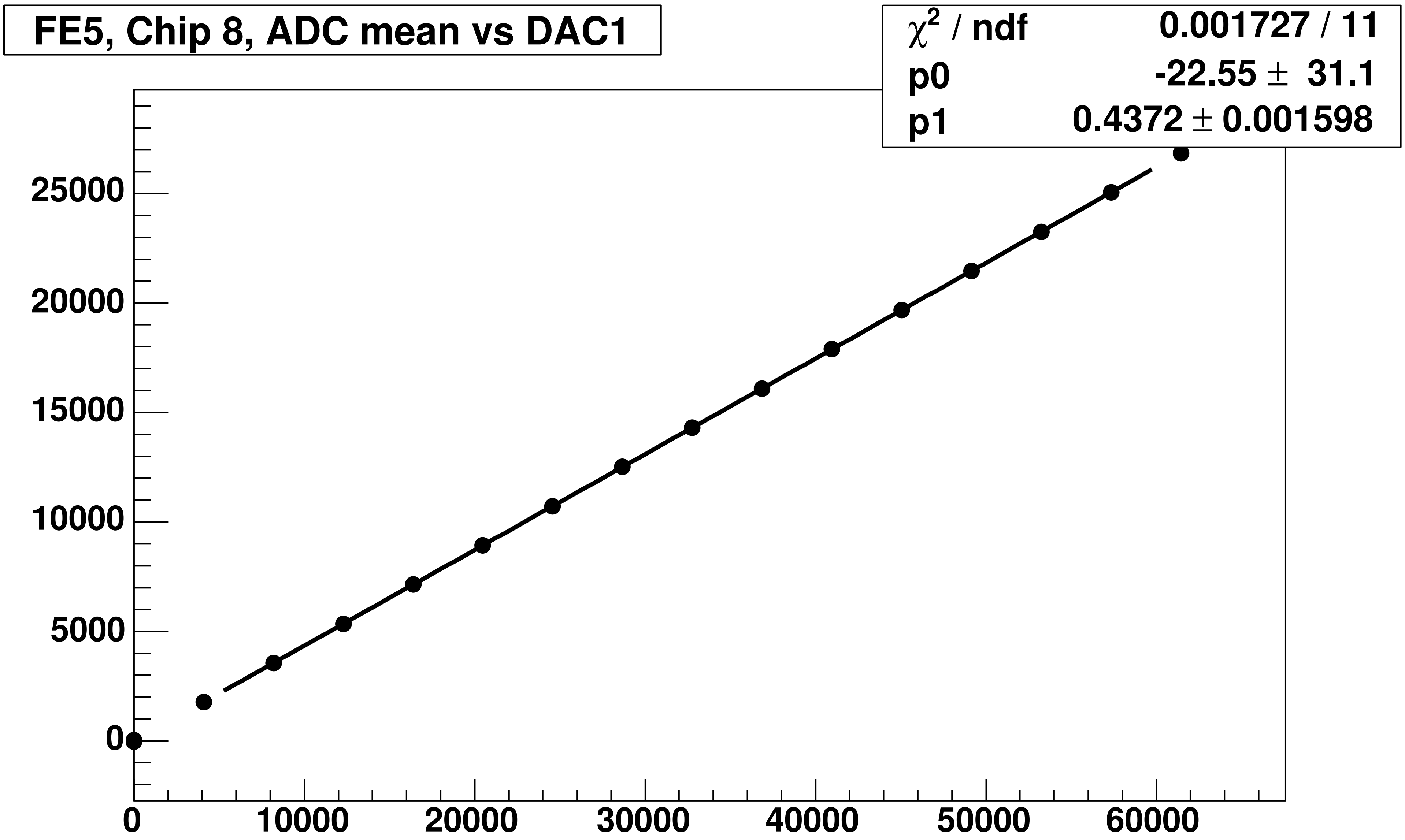

FE5, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

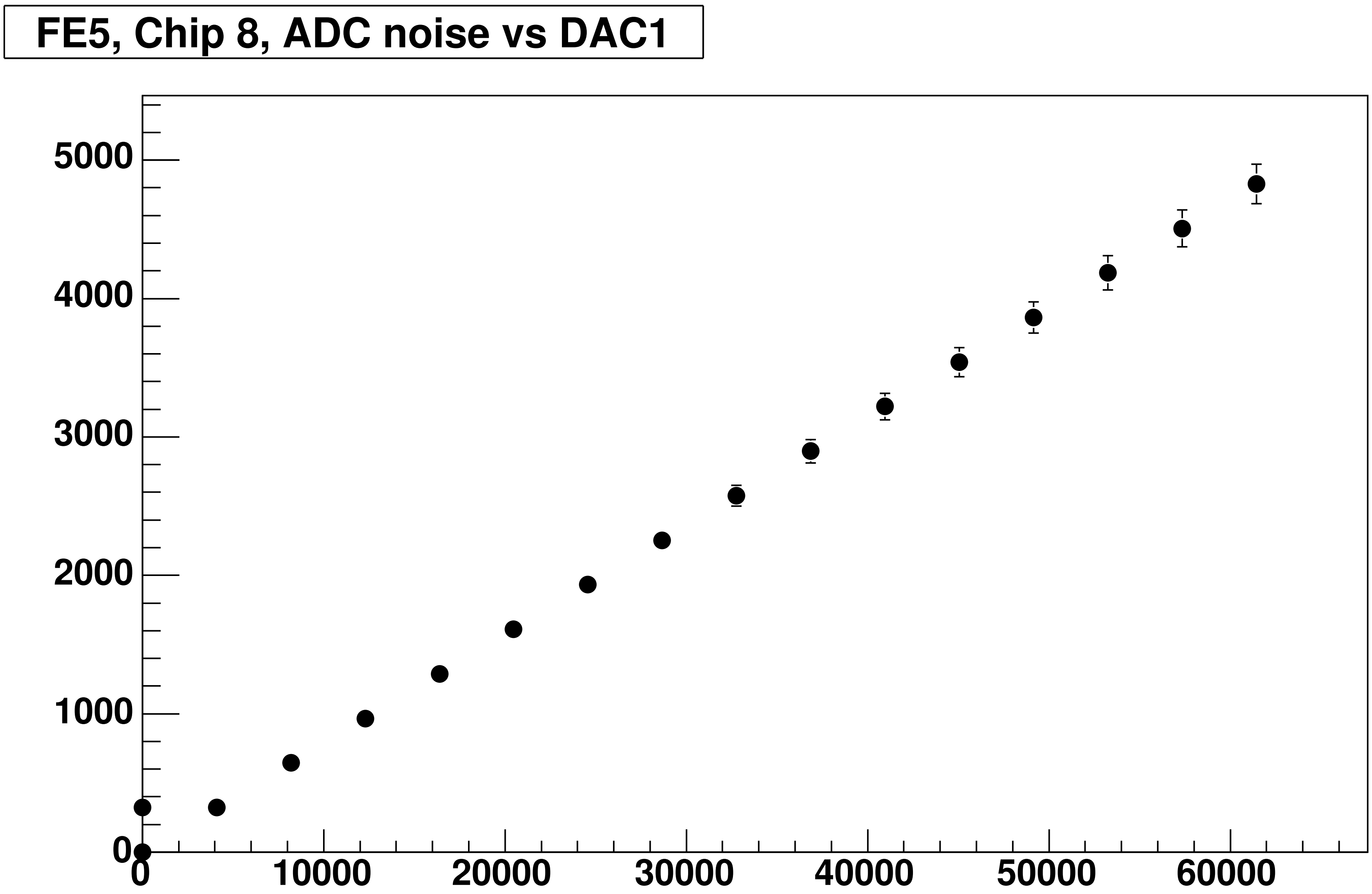


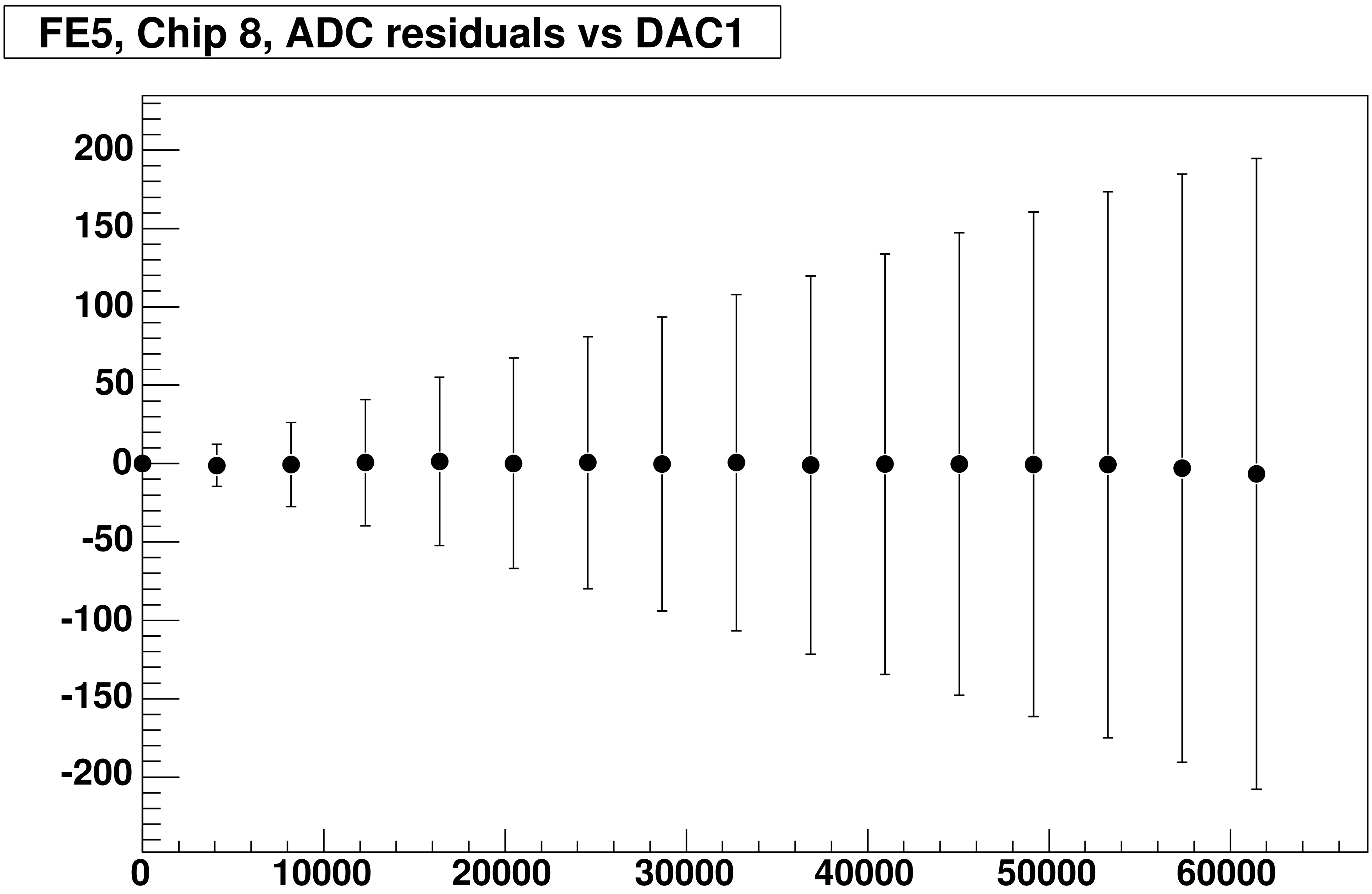
FE5, Chip 8, ADC mean vs DAC0
$\chi^2$ / ndf 1.63e-05 / 11
p0 34.23 ± 41.99
p1 0.0141 ± 0.001892
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

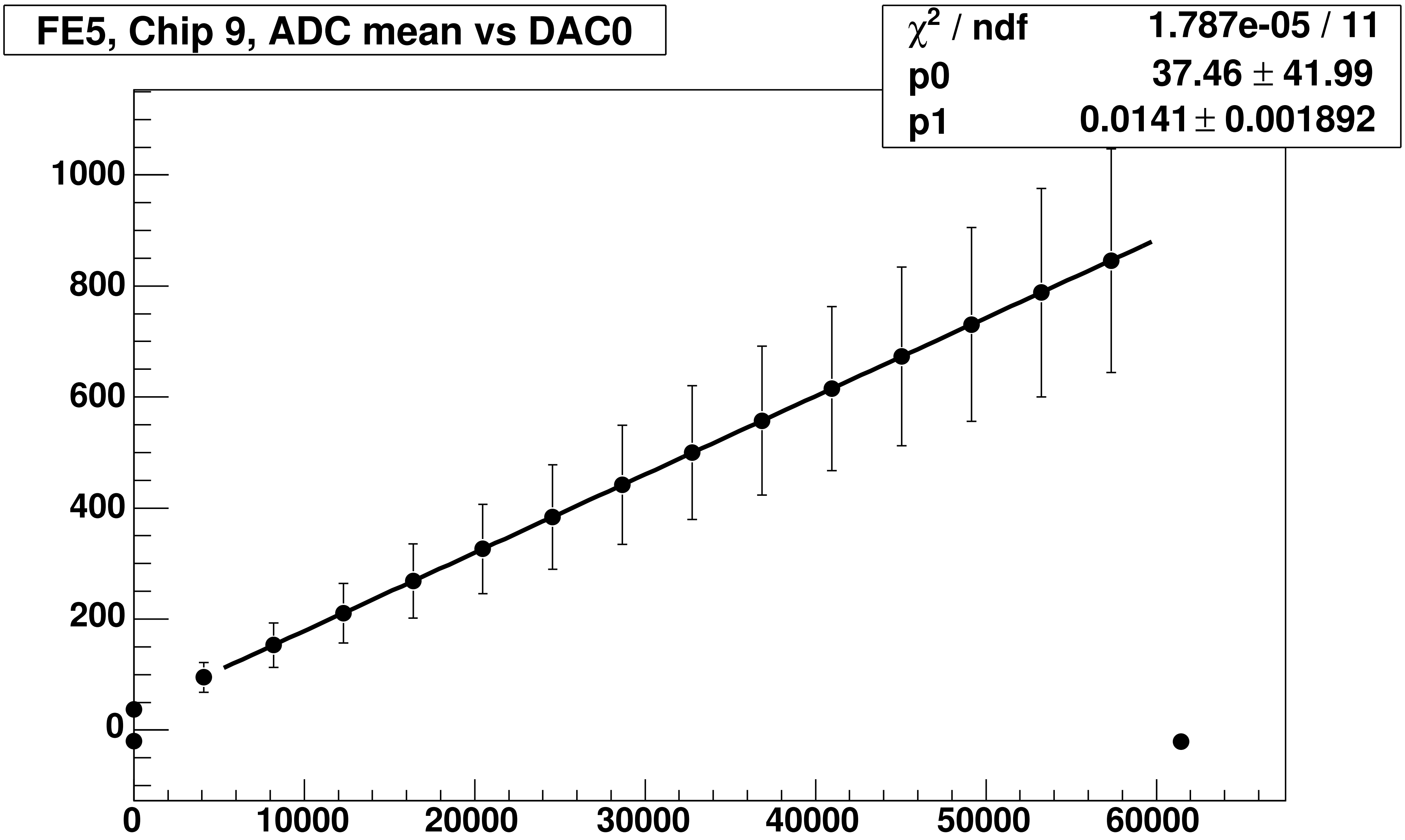

FE5, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE5, Chip 8, ADC mean vs DAC1
$\chi^2$ / ndf 0.001727 / 11
p0 -22.55 ± 31.1
p1 0.4372 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

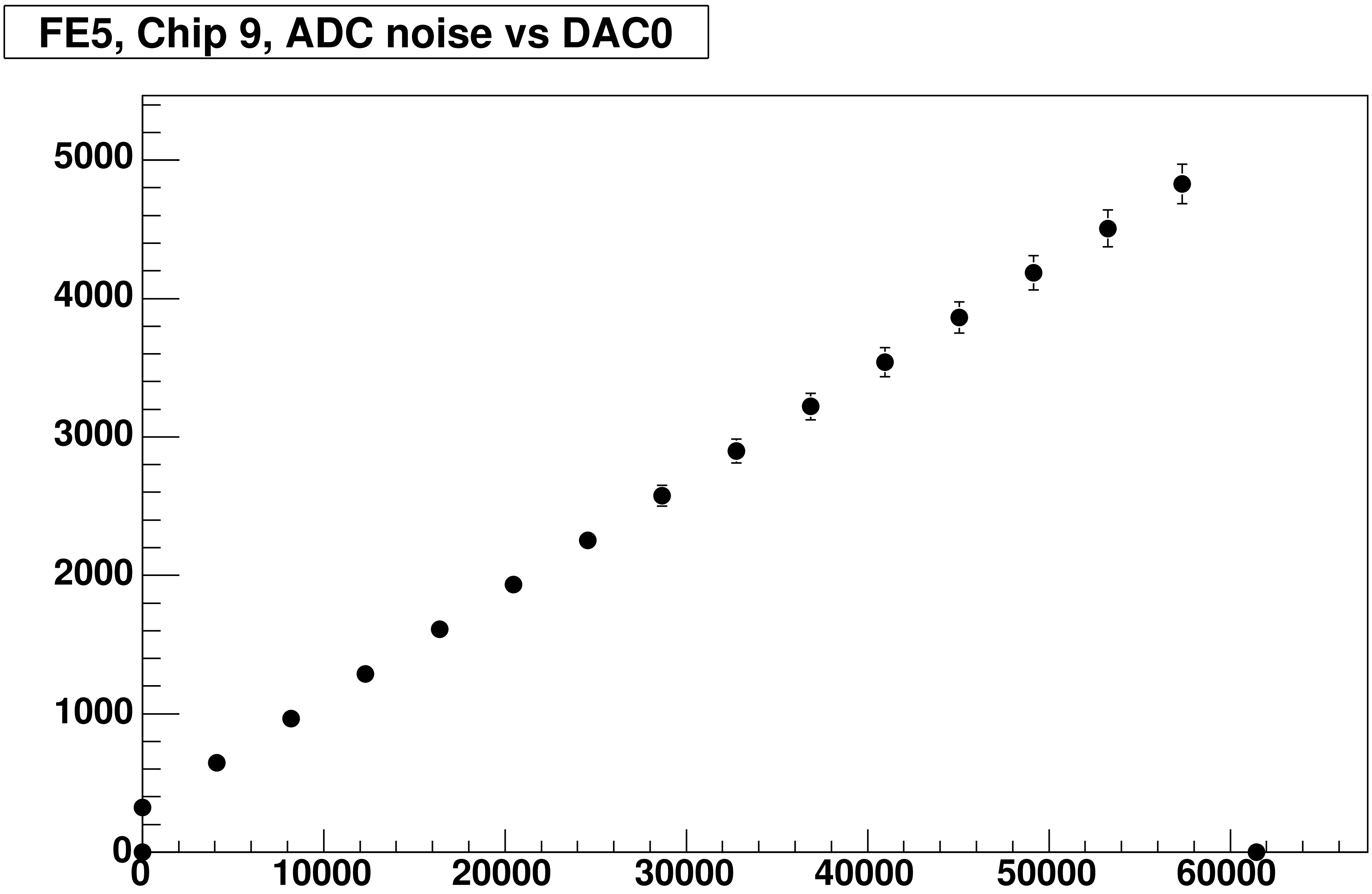

FE5, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

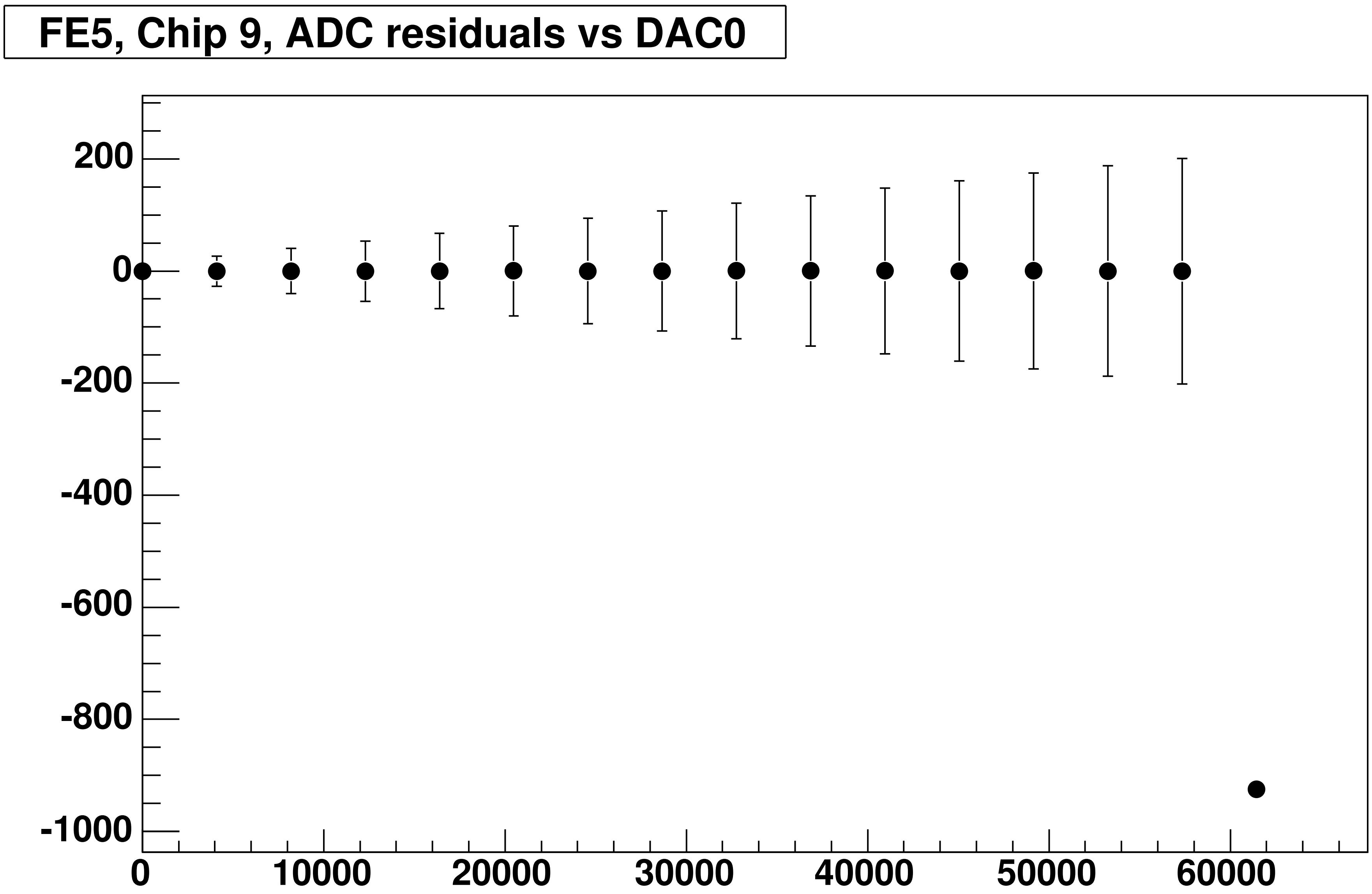


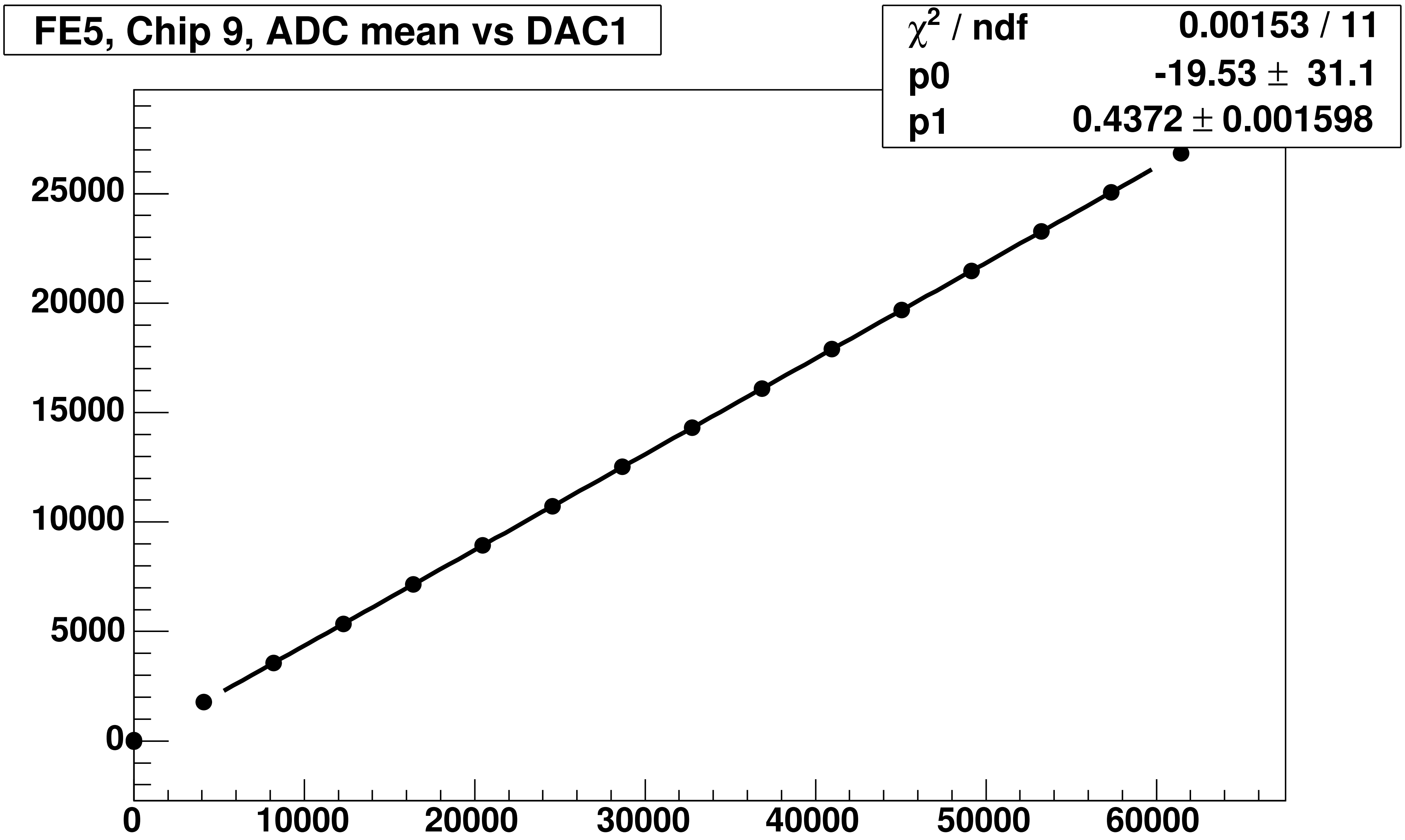
FE5, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



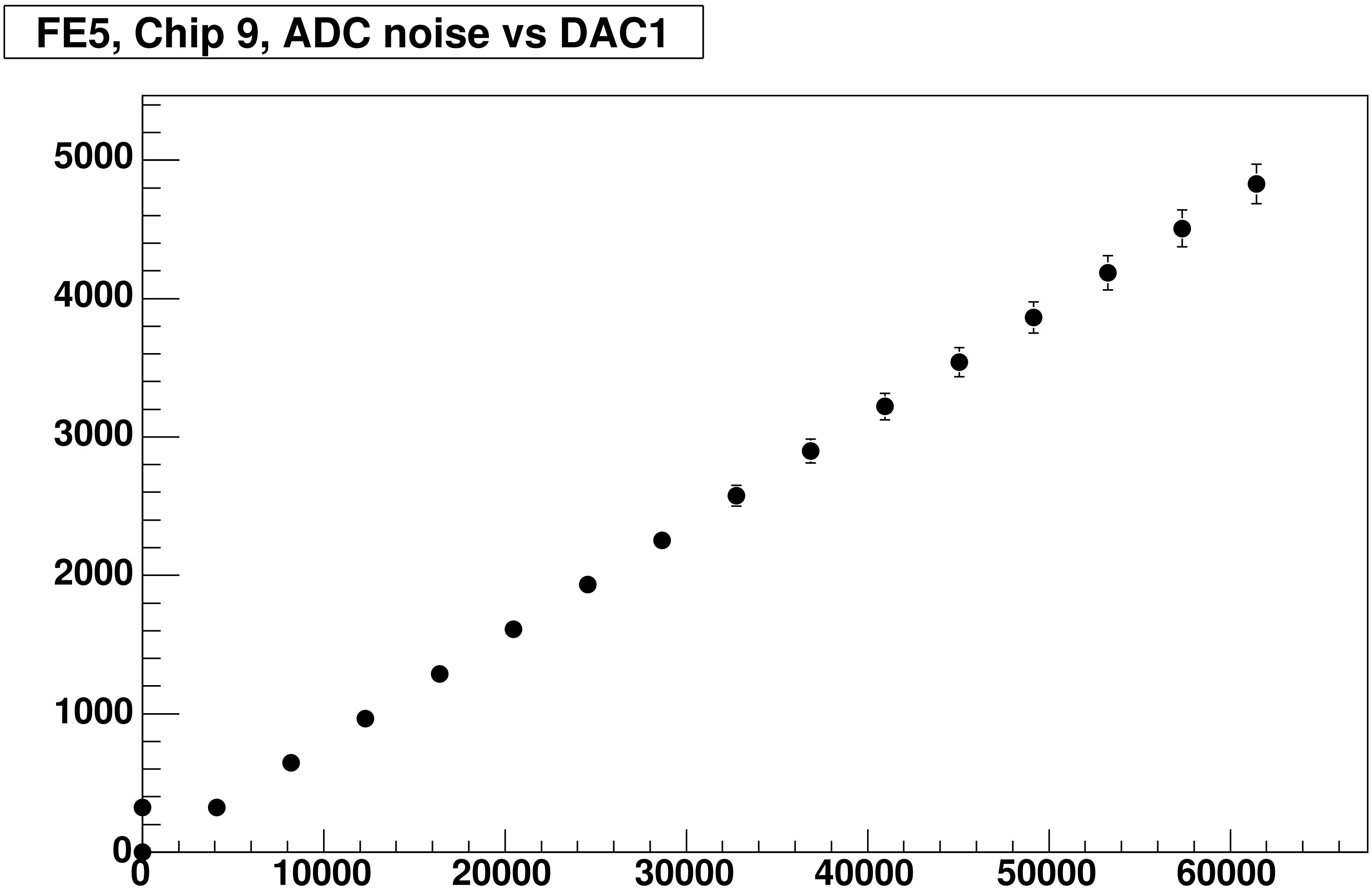
FE5, Chip 9, ADC mean vs DAC0
$\chi^2$ / ndf 1.787e-05 / 11
p0 37.46 ± 41.99
p1 0.0141 ± 0.001892
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

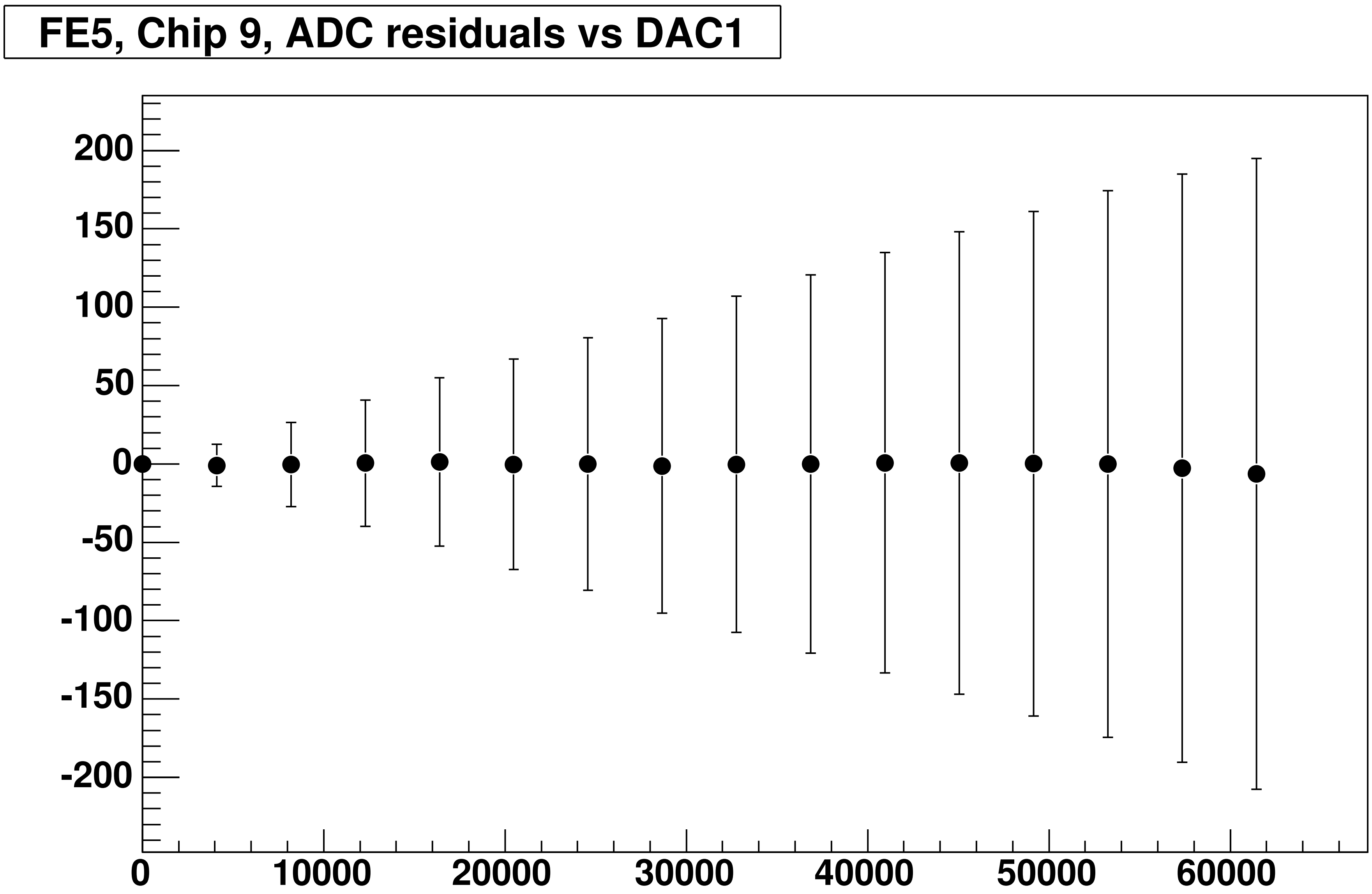

FE5, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

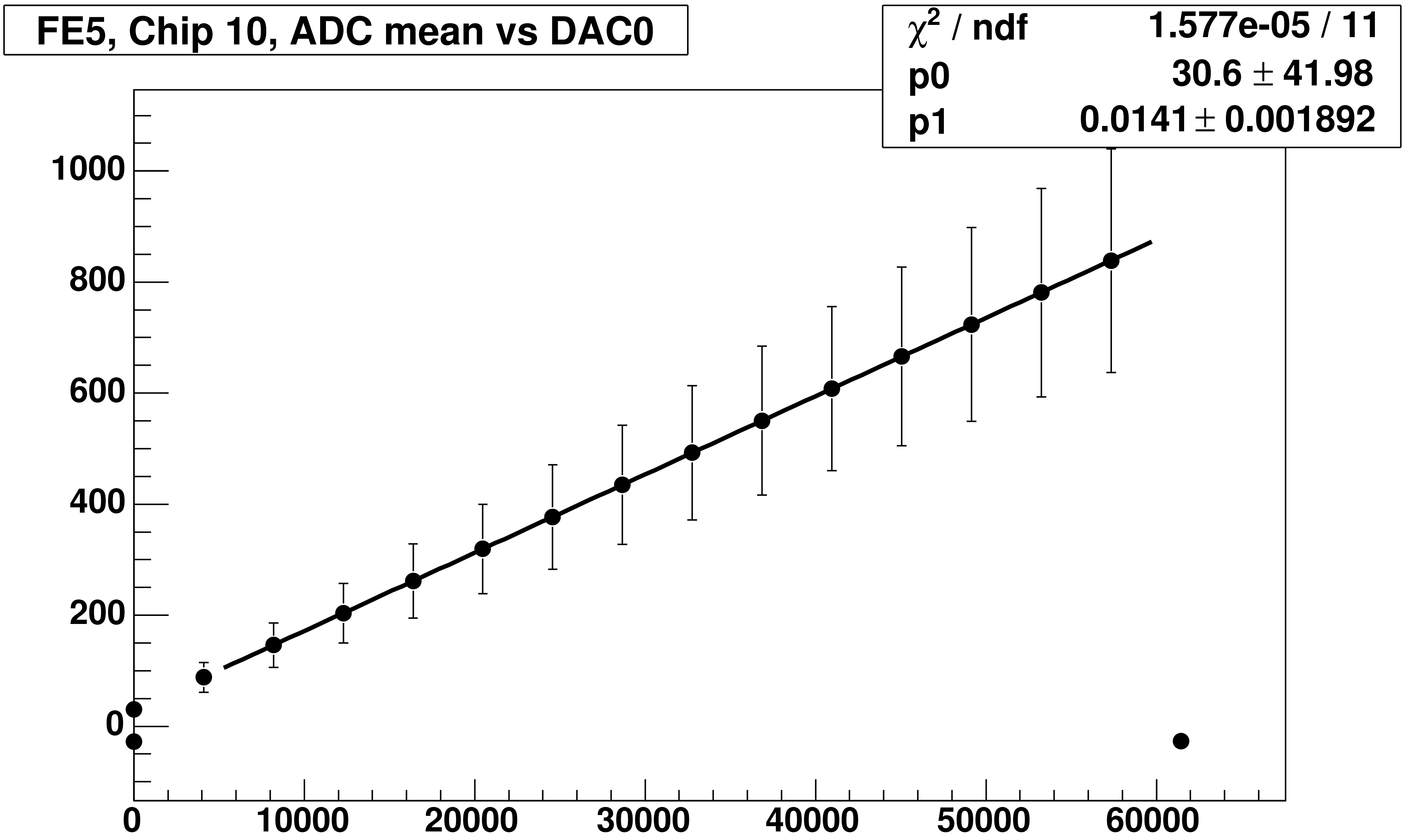

FE5, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



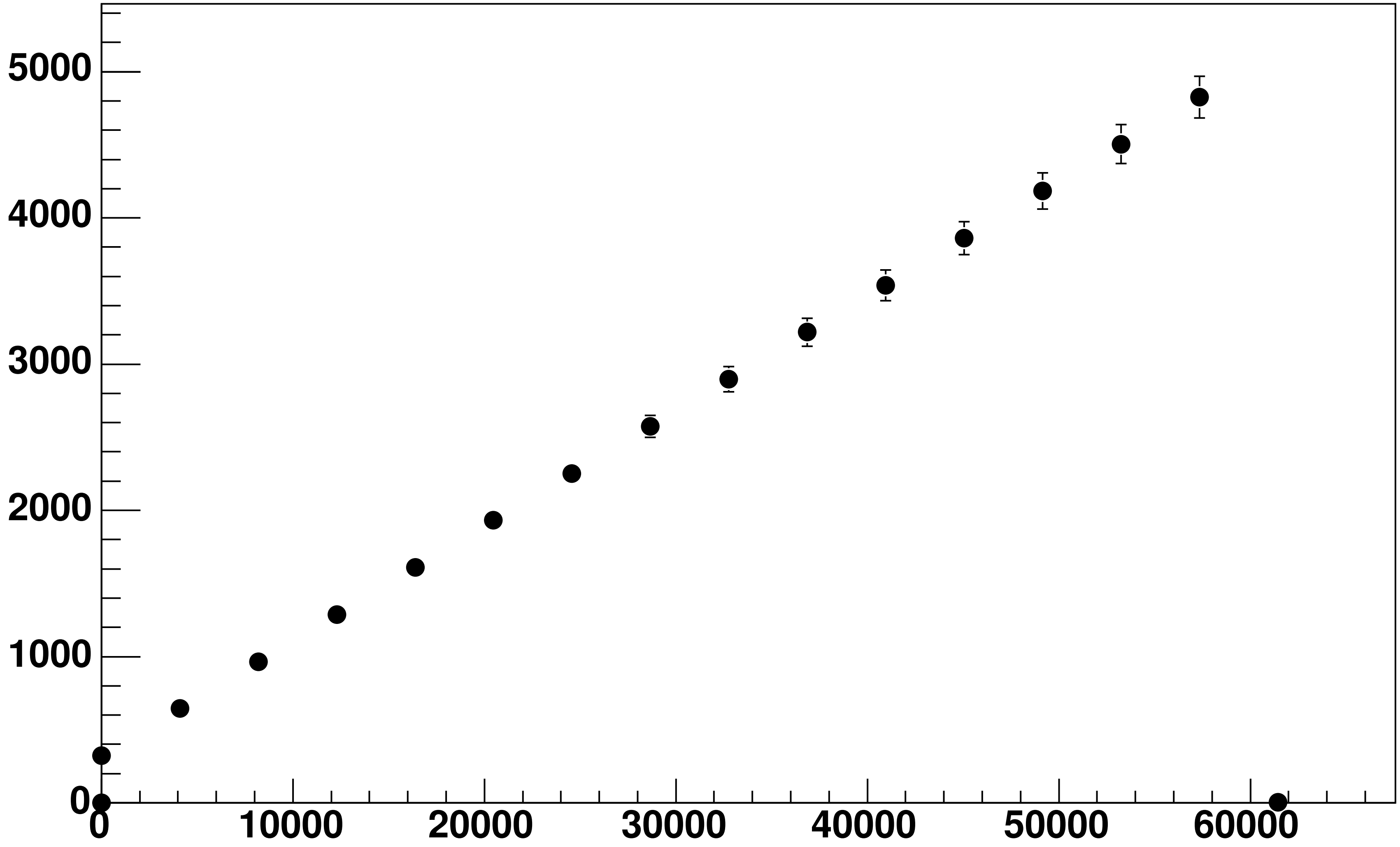
FE5, Chip 9, ADC mean vs DAC1
$\chi^2$ / ndf 0.00153 / 11
p0 -19.53 ± 31.1
p1 0.4372 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

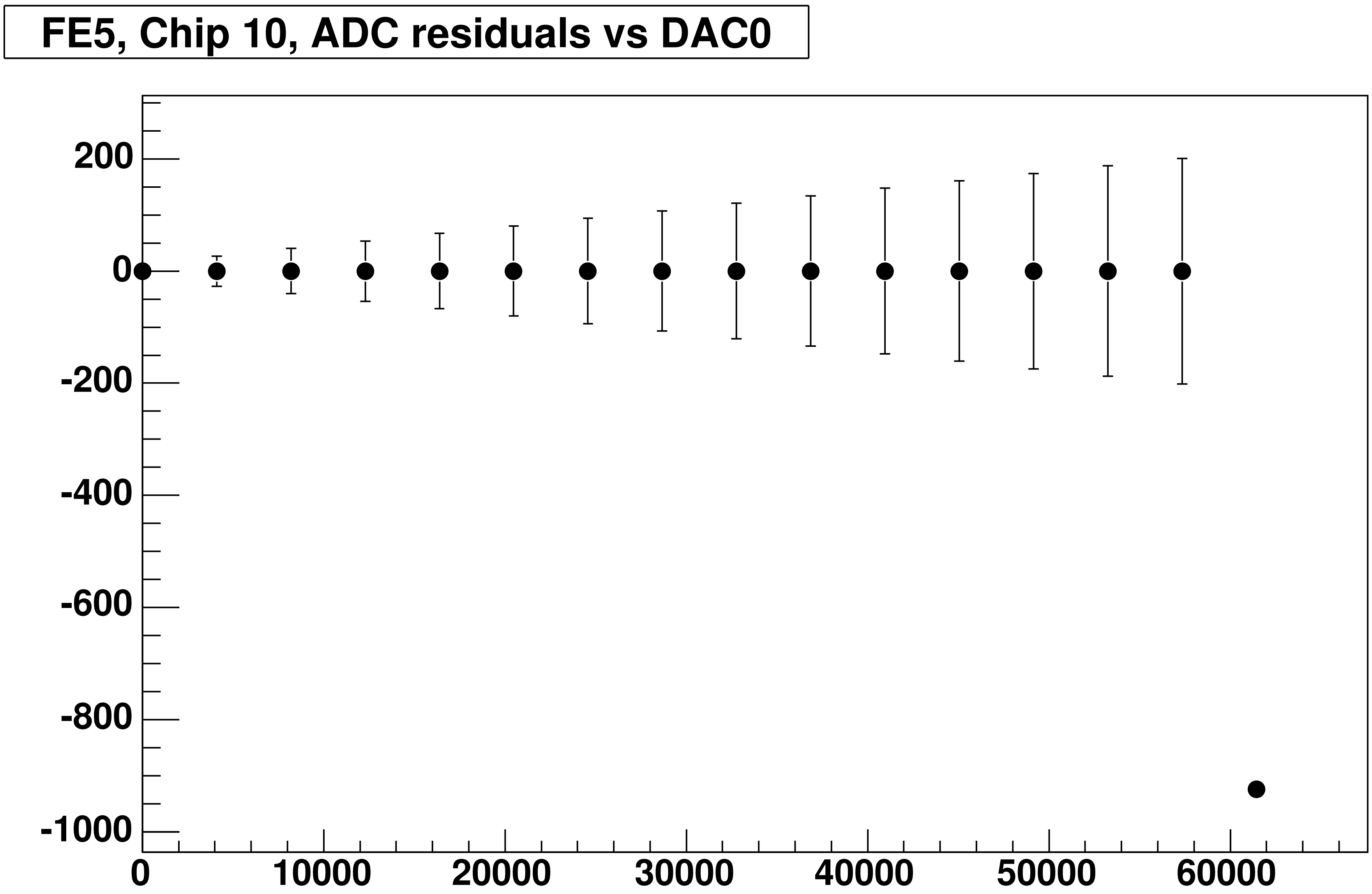

FE5, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

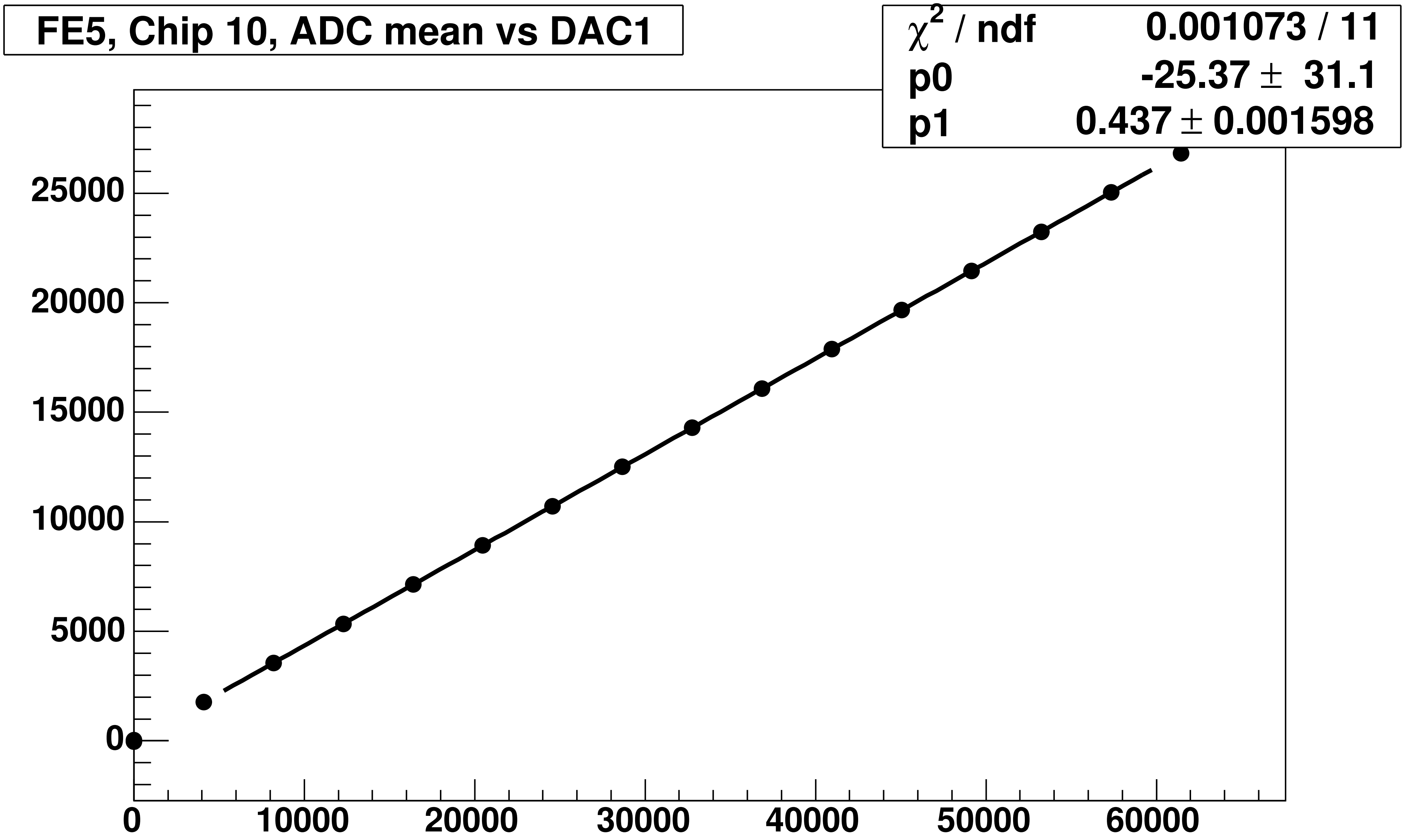

FE5, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

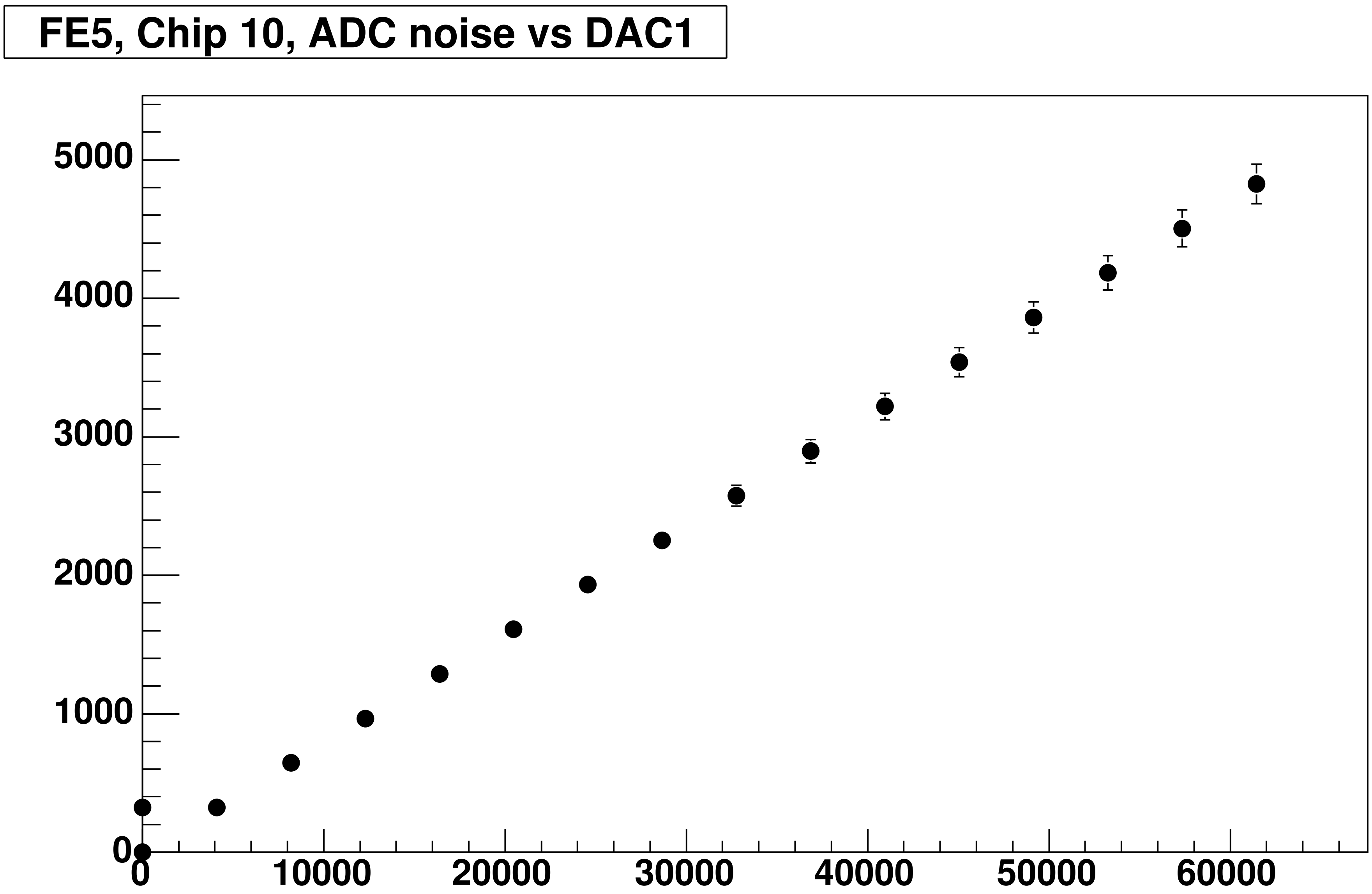

FE5, Chip 10, ADC mean vs DAC0
$\chi^2$ / ndf 1.577e-05 / 11
p0 30.6 ± 41.98
p1 0.0141 ± 0.001892
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

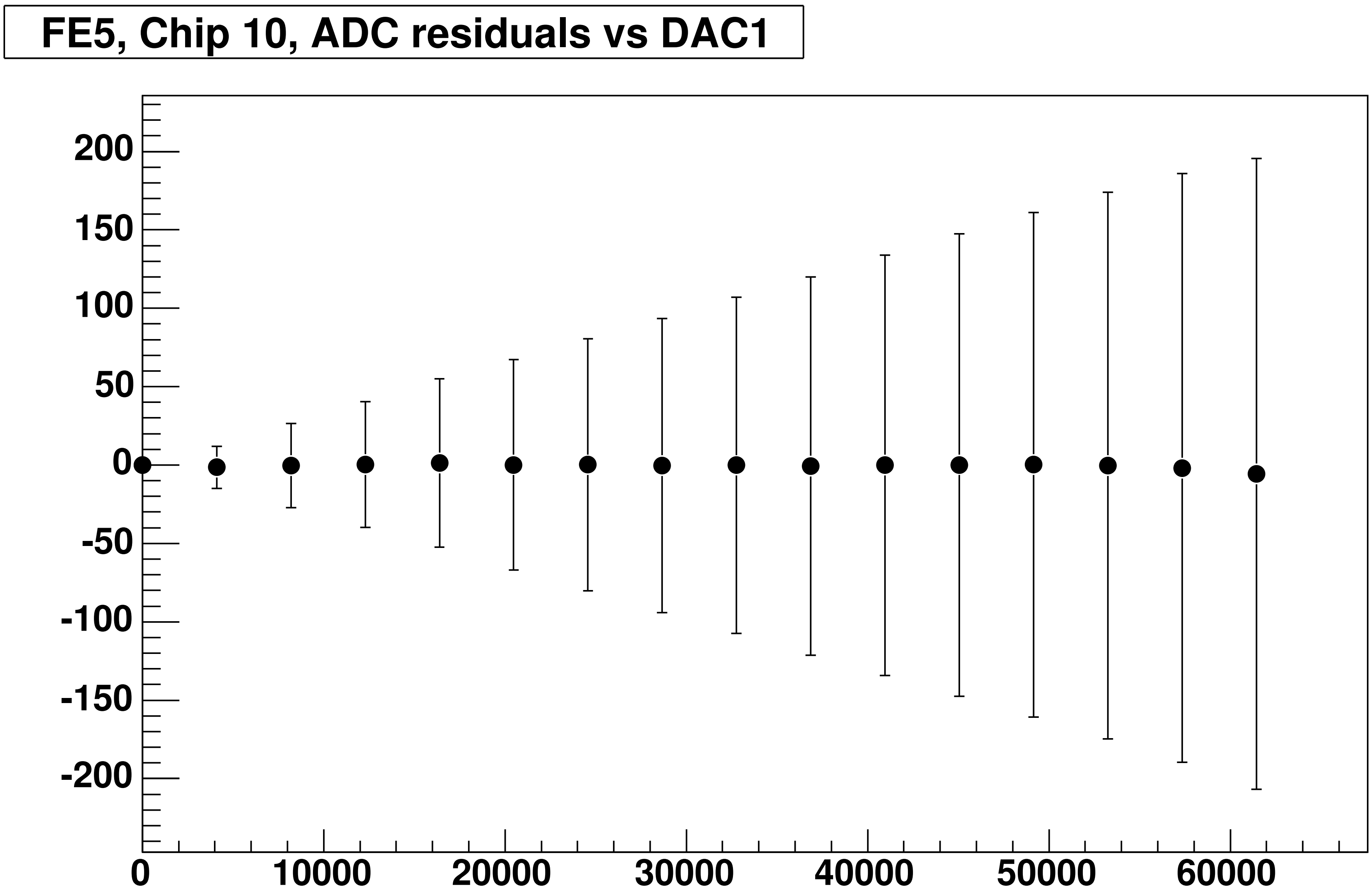
FE5, Chip 10, ADC noise vs DAC0

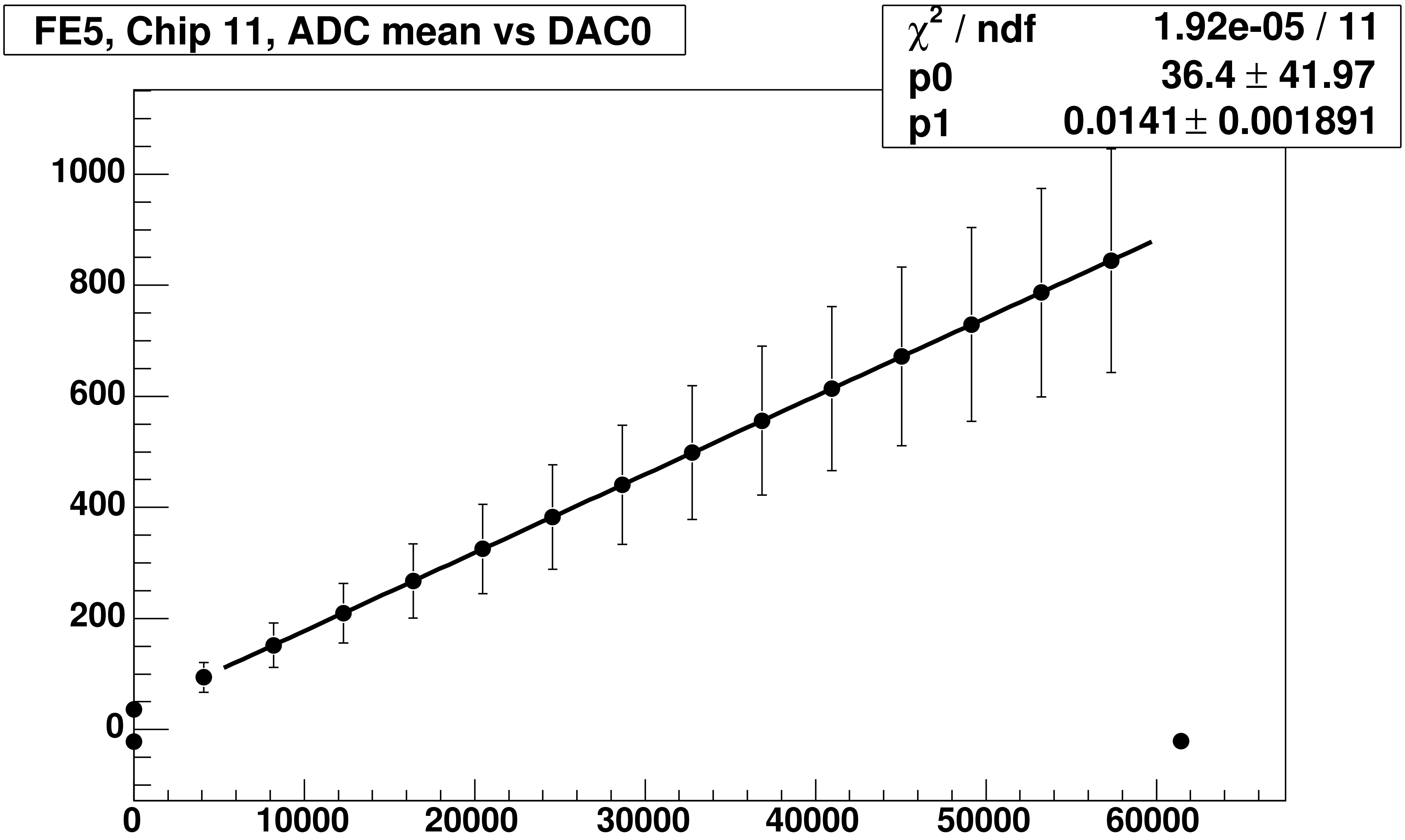


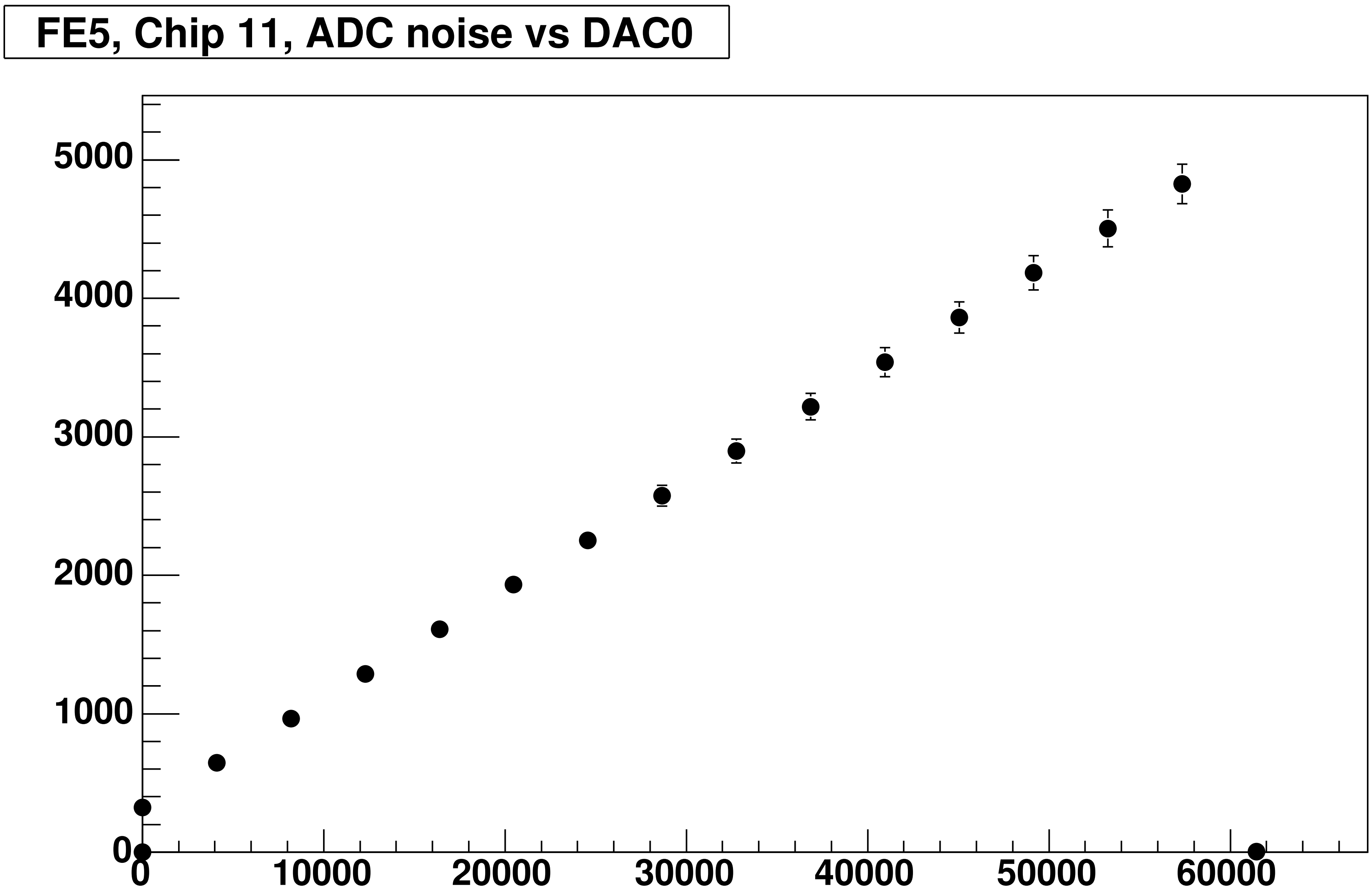

FE5, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

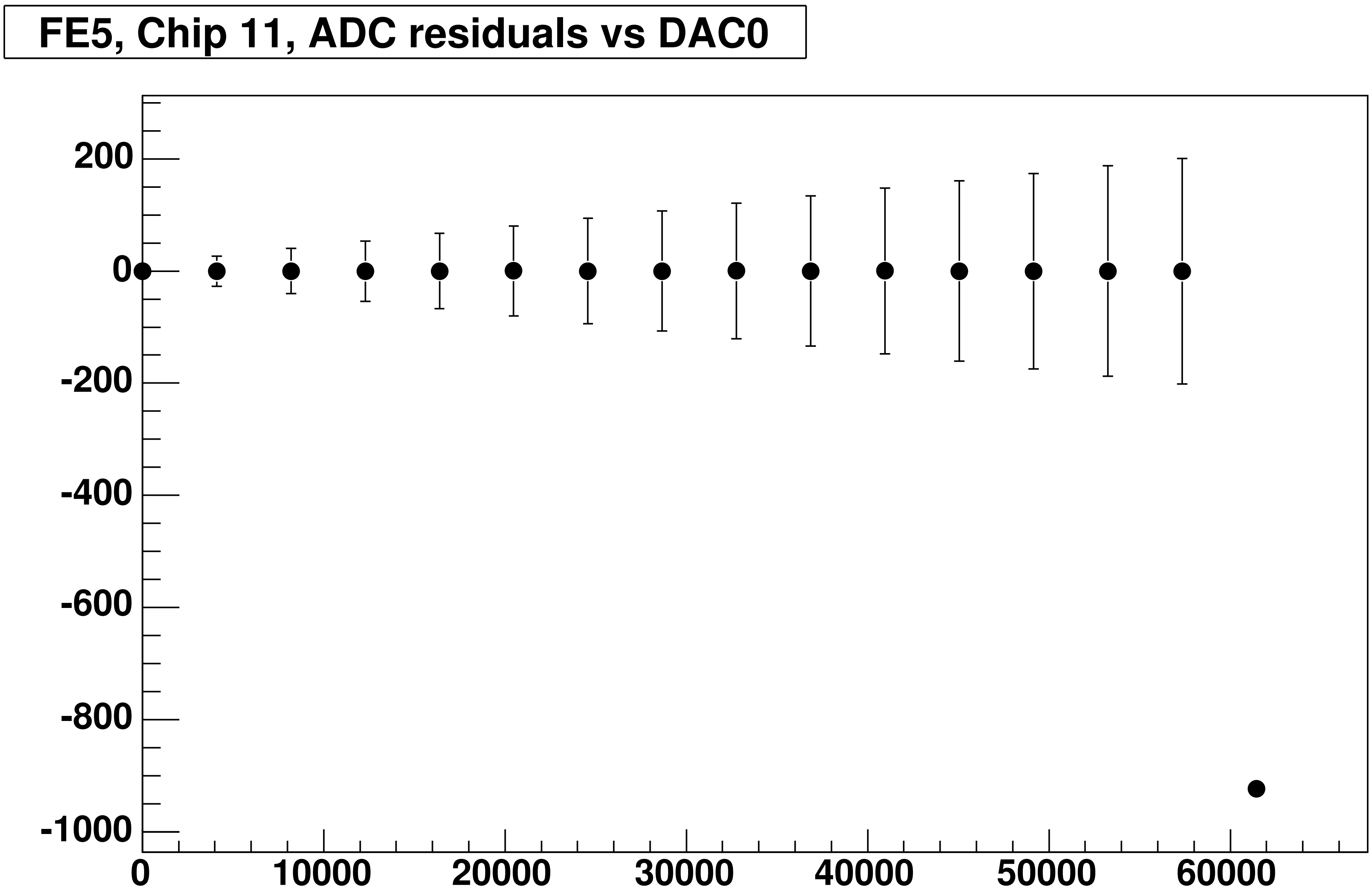

FE5, Chip 10, ADC mean vs DAC1
$\chi^2$ / ndf 0.001073 / 11
p0 -25.37 ± 31.1
p1 0.437 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

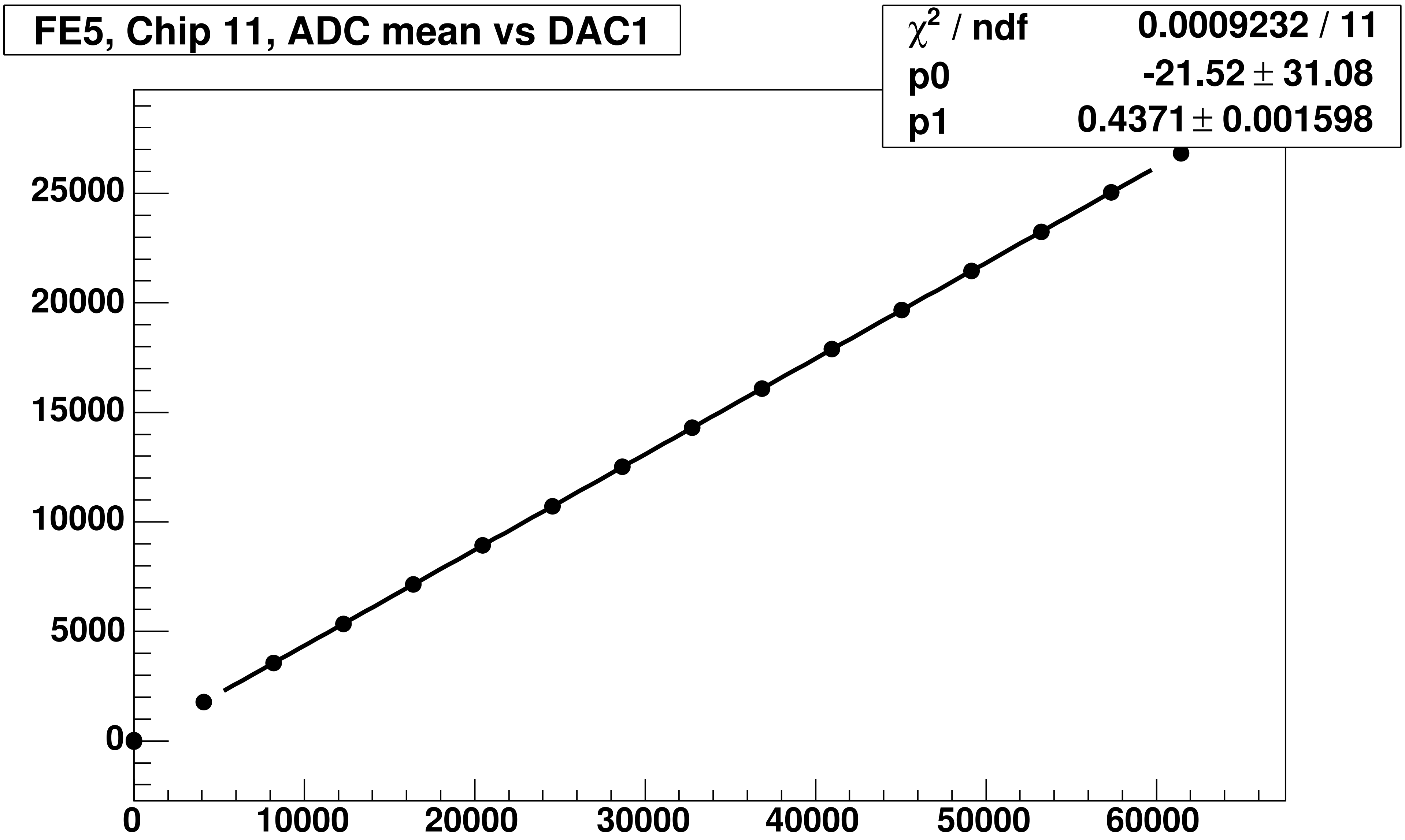

FE5, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

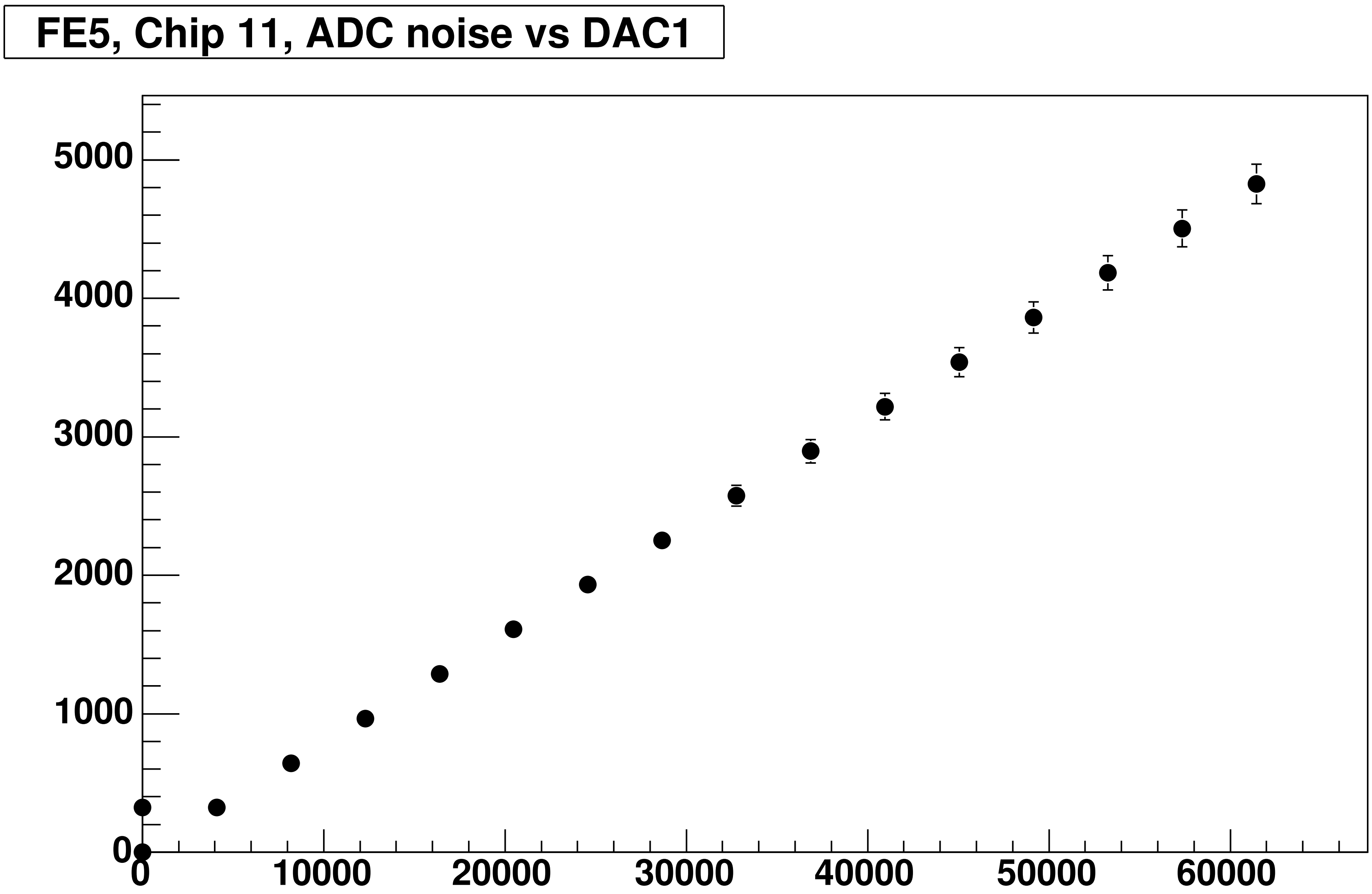

FE5, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

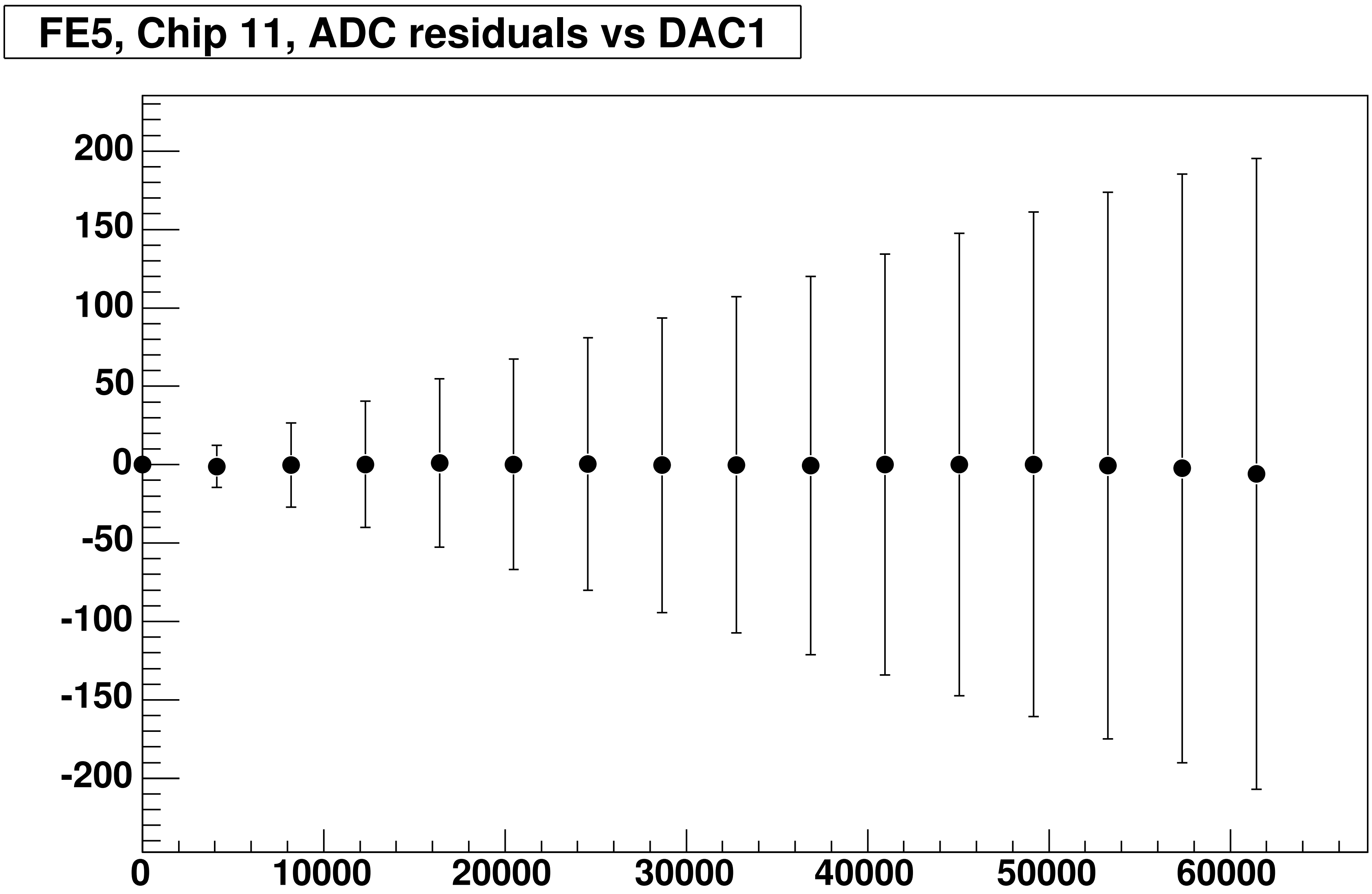

FE5, Chip 11, ADC mean vs DAC0
$\chi^2$ / ndf 1.92e-05 / 11
p0 36.4 ± 41.97
p1 0.0141 ± 0.001891
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

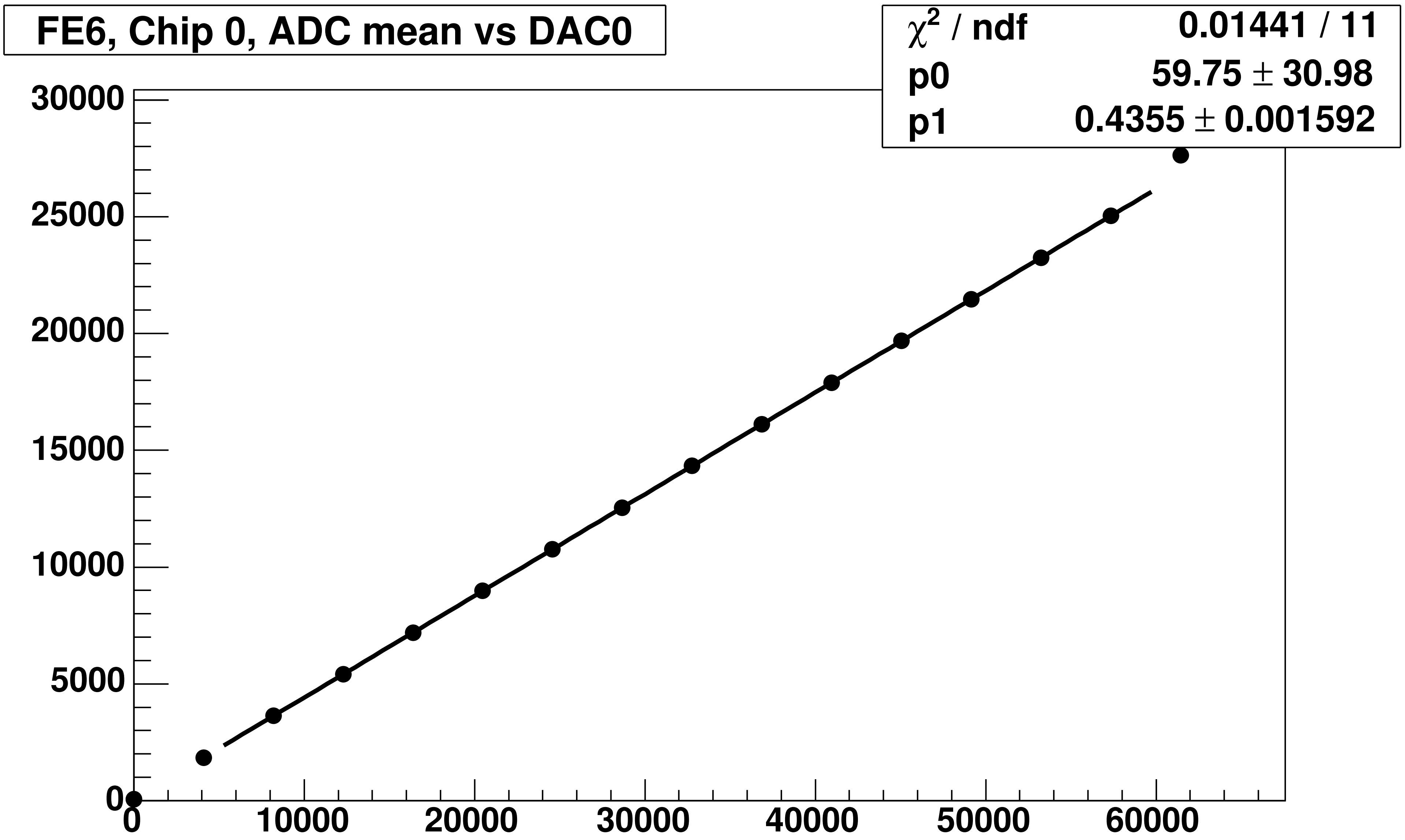

FE5, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

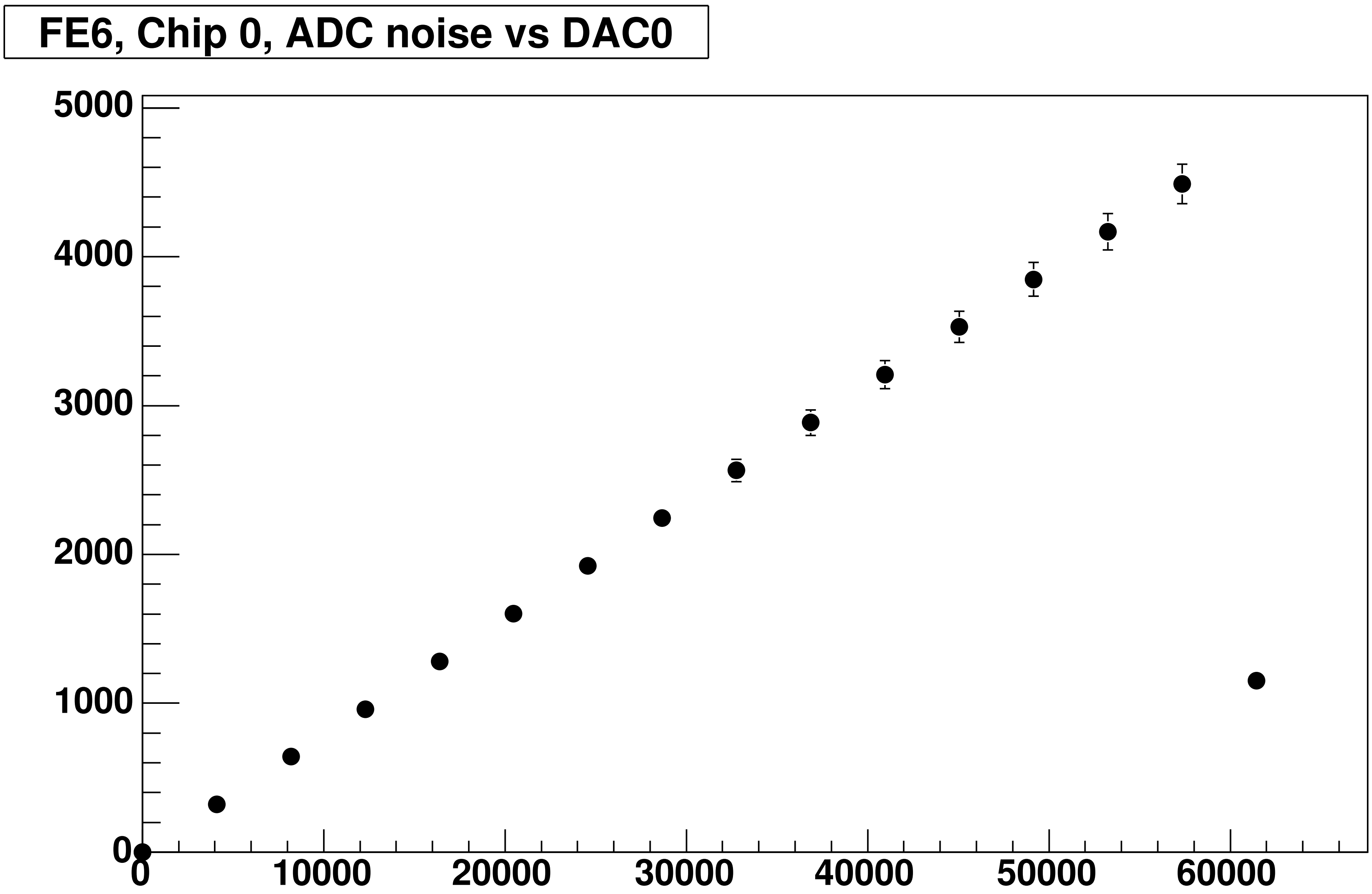

FE5, Chip 11, ADC mean vs DAC1
$\chi^2$ / ndf 0.0009232 / 11
p0 -21.52 ± 31.08
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

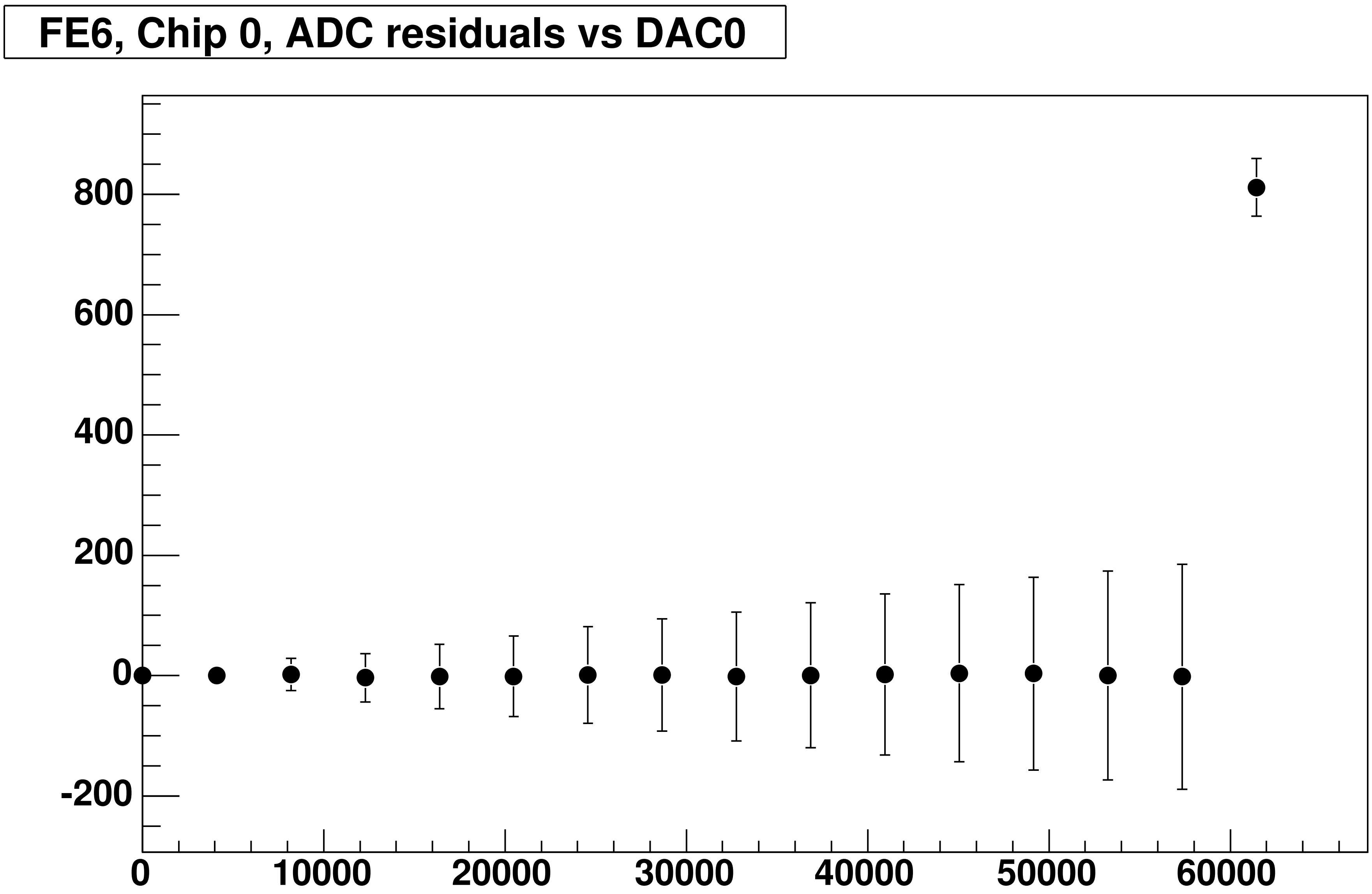

FE5, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

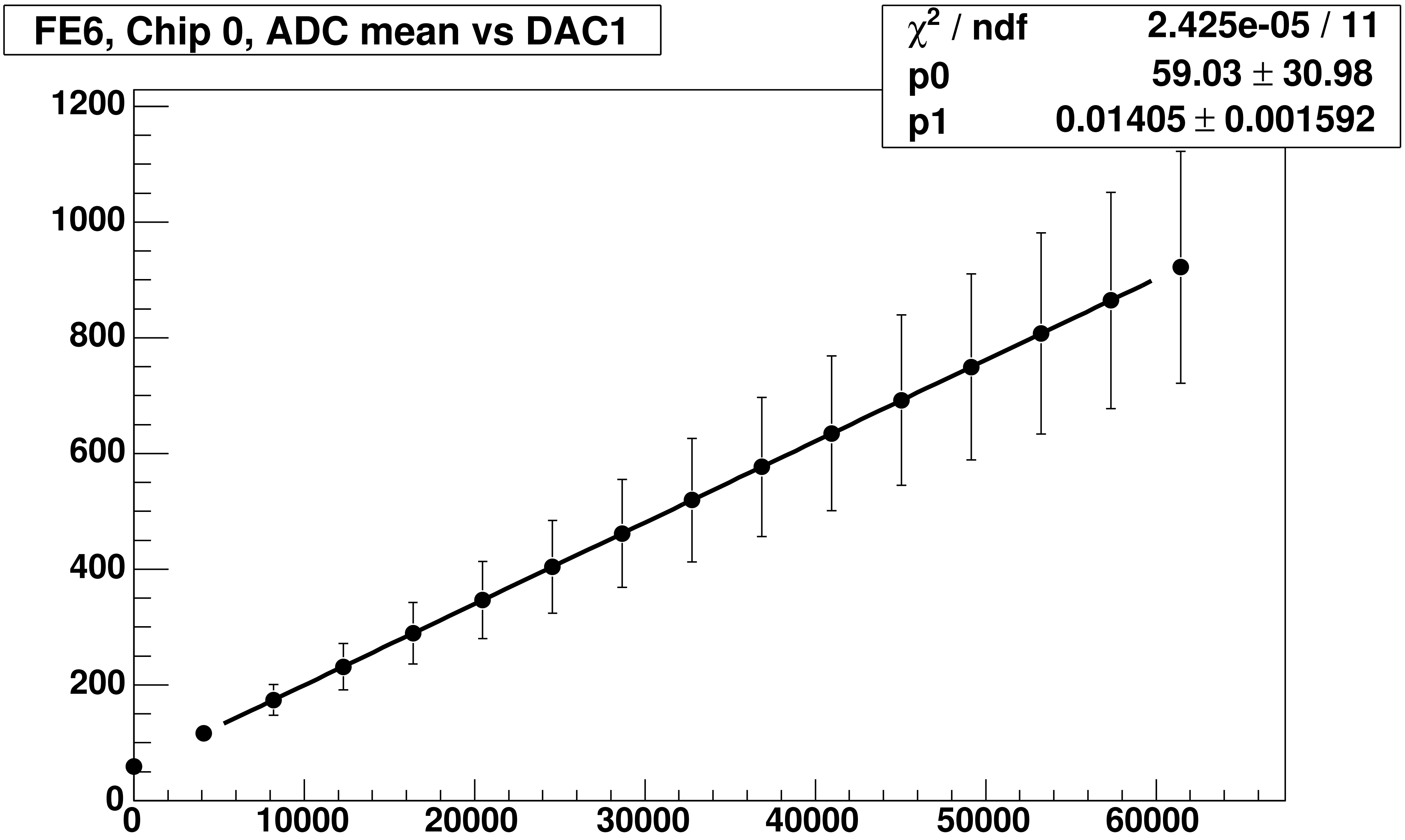

FE5, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

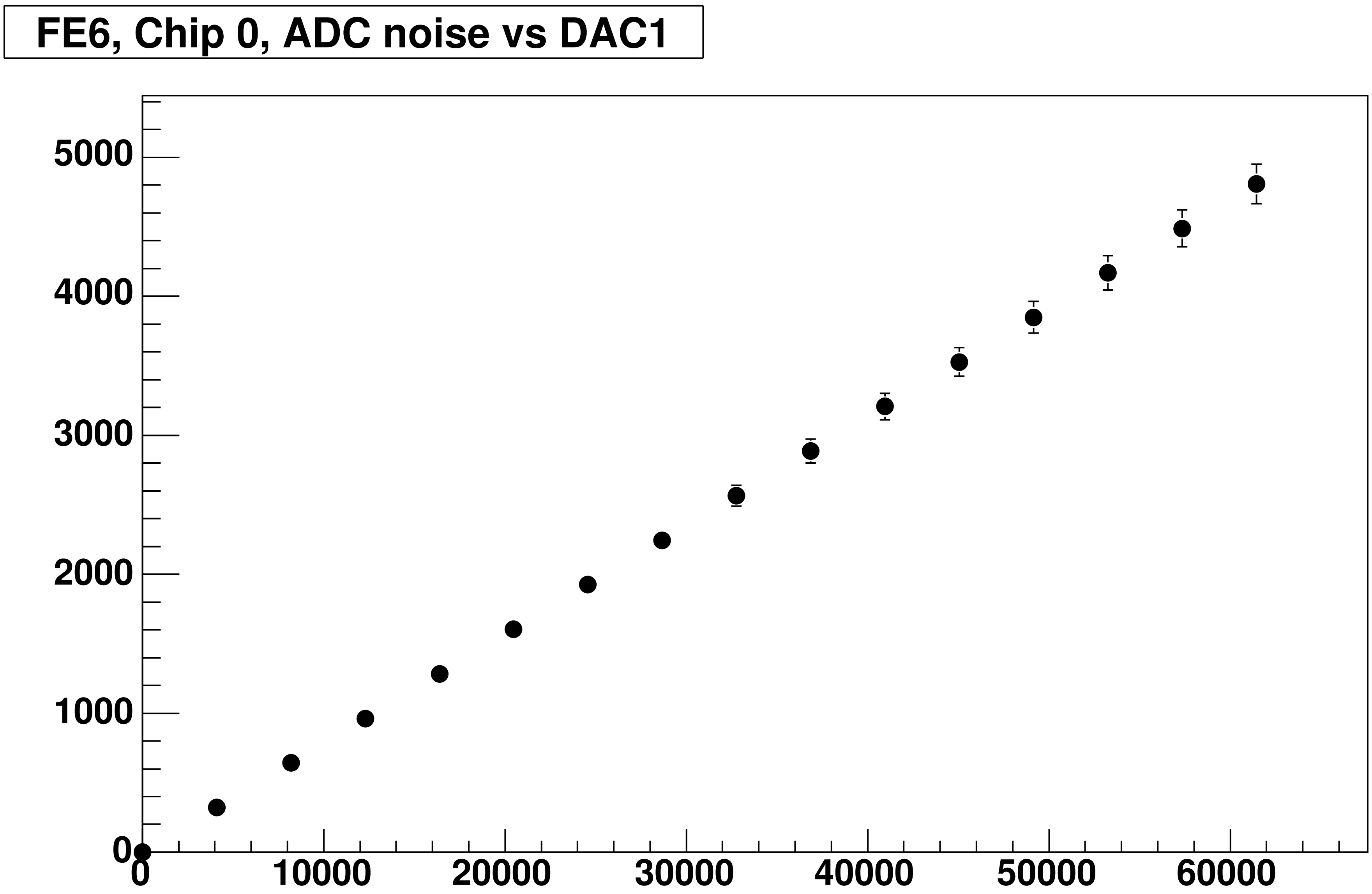


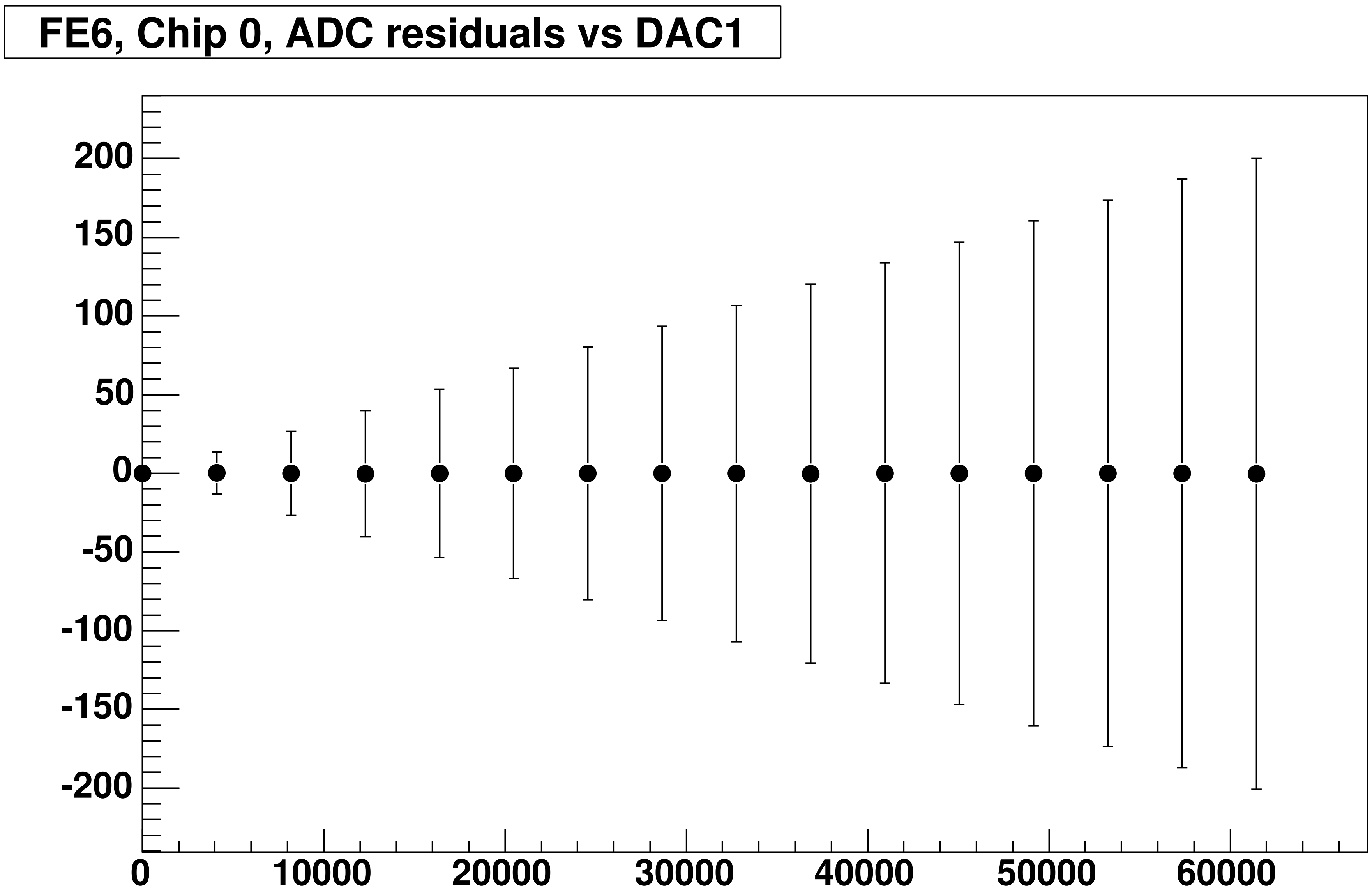
FE6, Chip 0, ADC mean vs DAC0
$\chi^2$ / ndf 0.01441 / 11
p0 59.75 ± 30.98
p1 0.4355 ± 0.001592
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

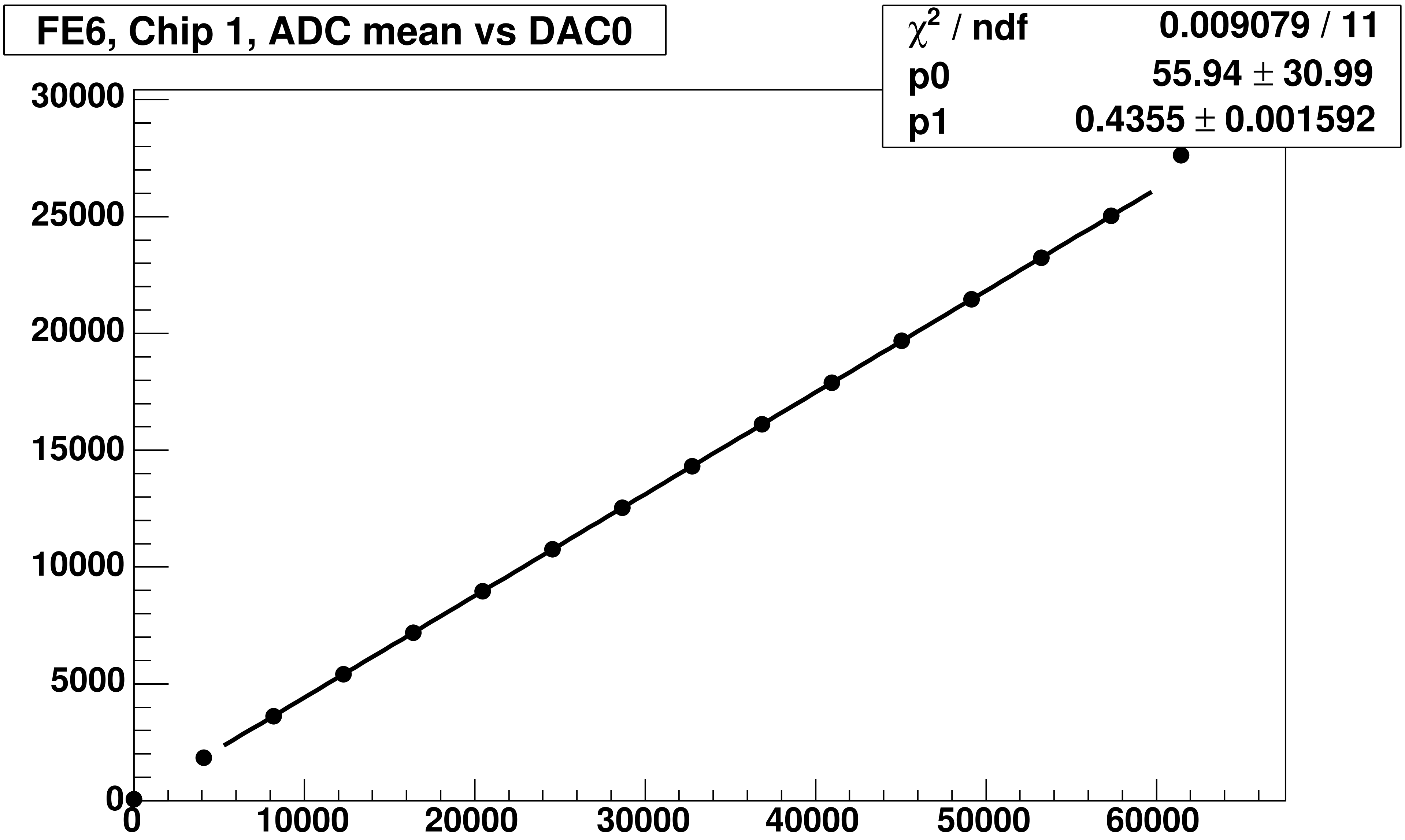

FE6, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

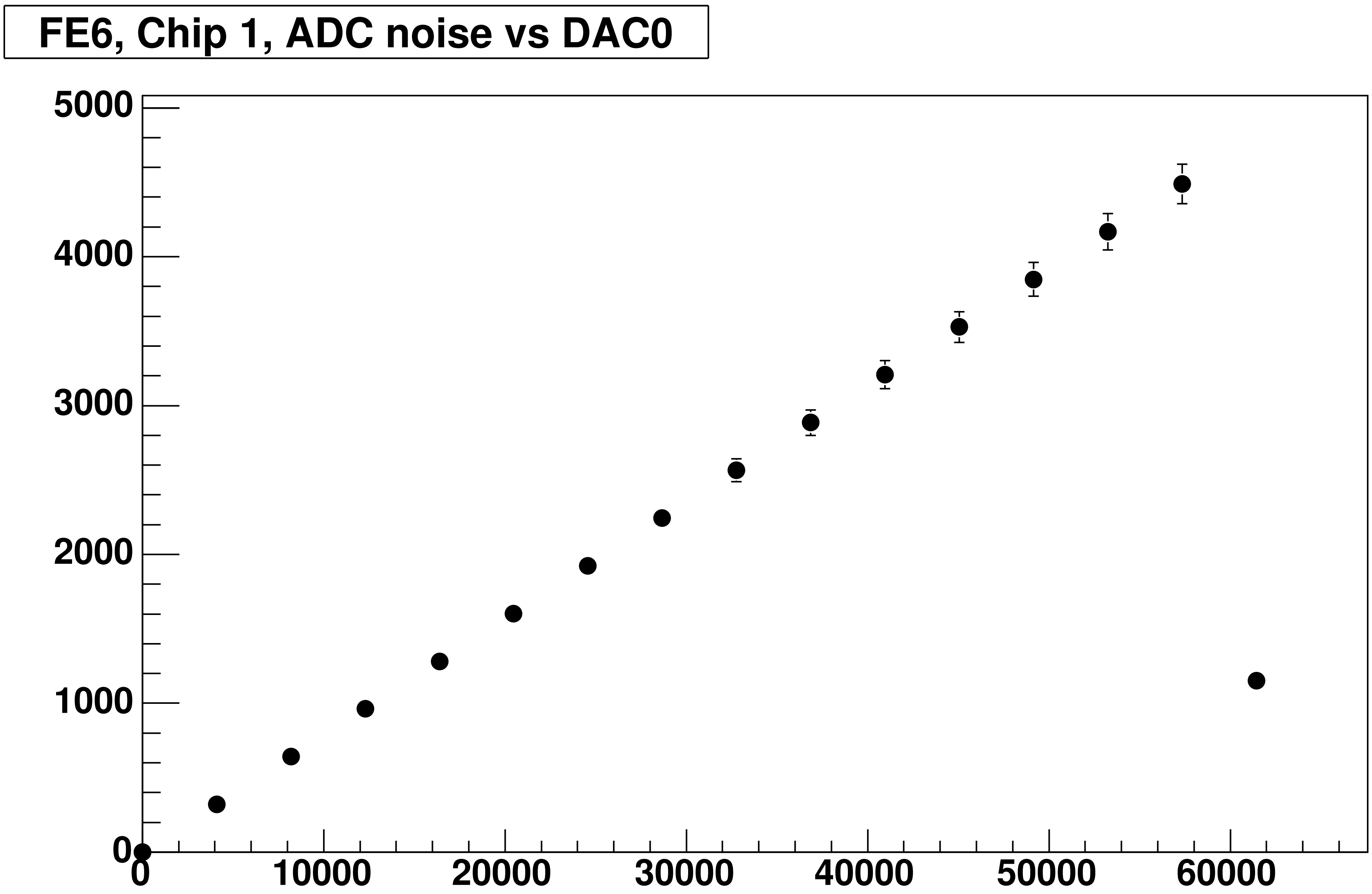

FE6, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 2.425e-05 / 11
p0 59.03 ± 30.98
p1 0.01405 ± 0.001592
0
200
400
600
800
1000
1200
10000
20000
30000
40000
50000
60000

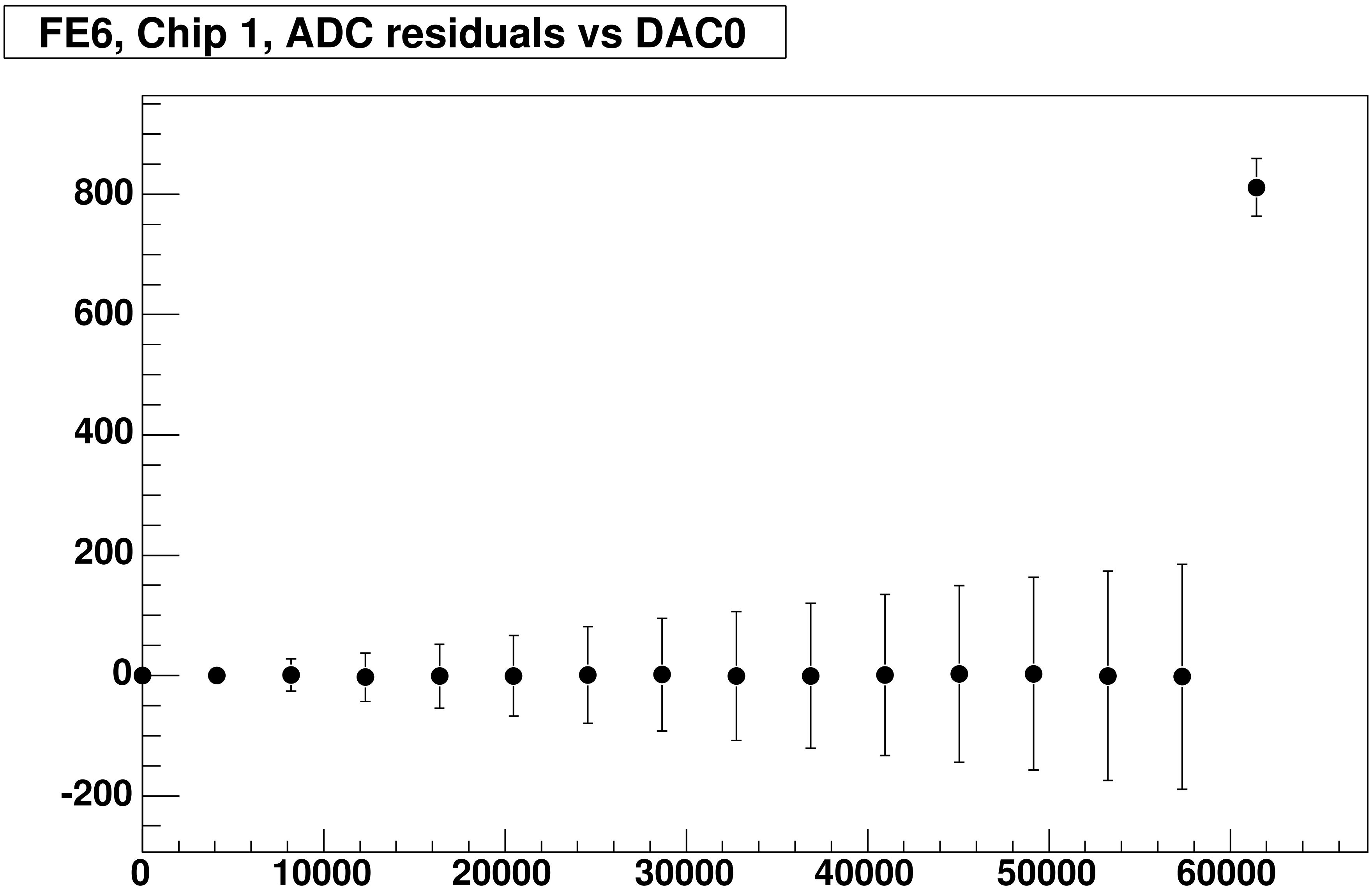

FE6, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

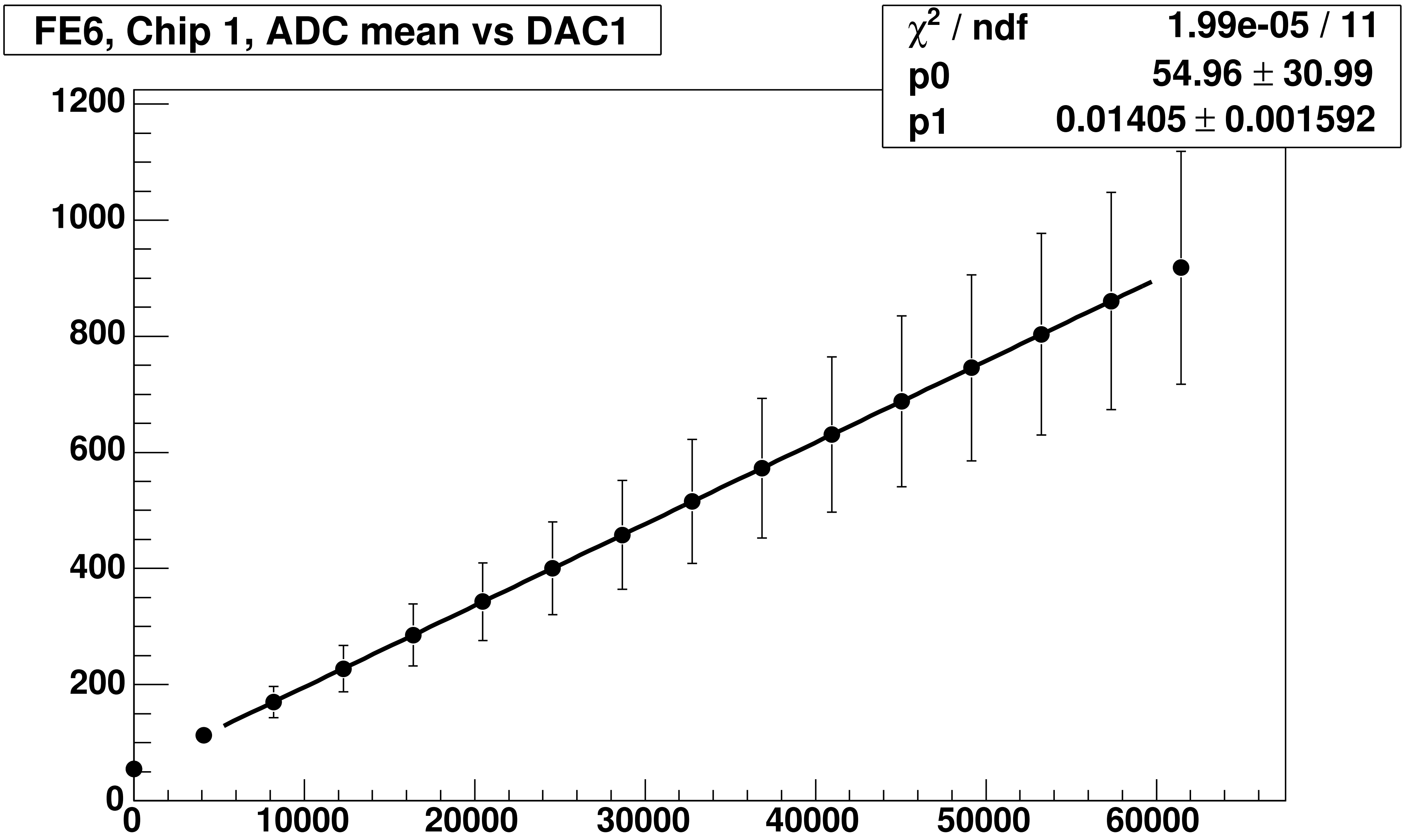

FE6, Chip 1, ADC mean vs DAC0
χ2 / ndf 0.009079 / 11
p0 55.94 ± 30.99
p1 0.4355 ± 0.001592
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000



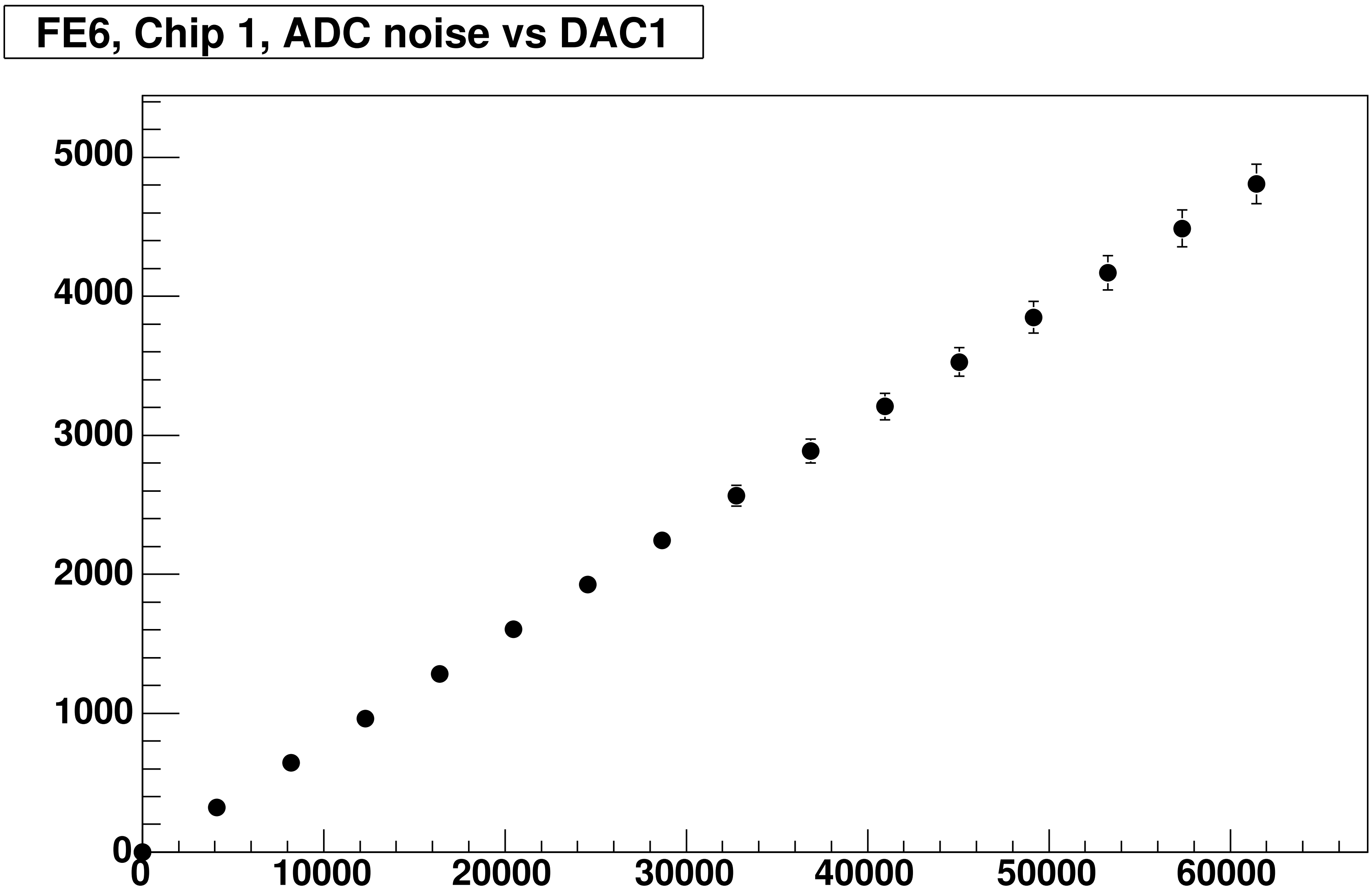
FE6, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

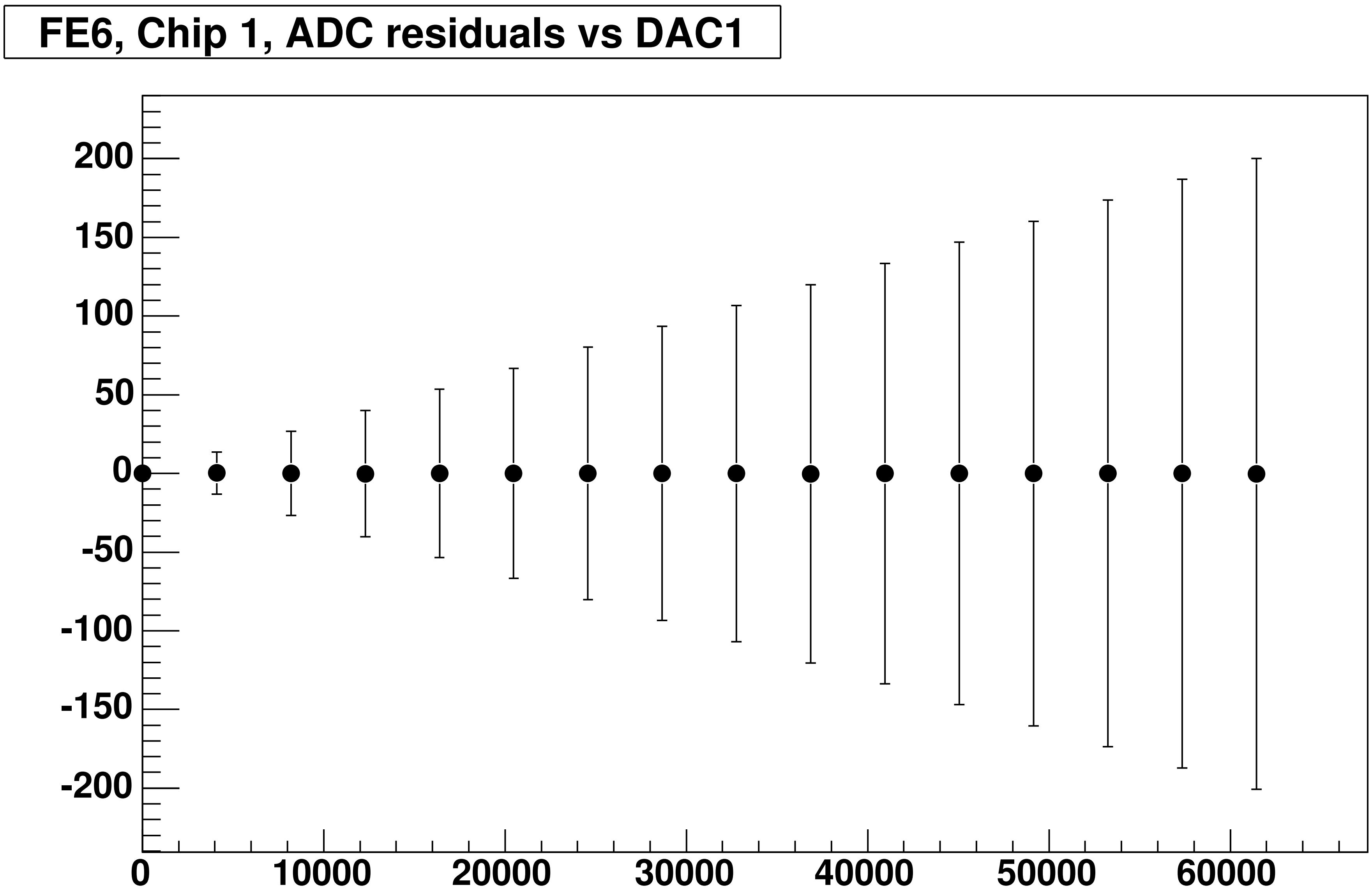


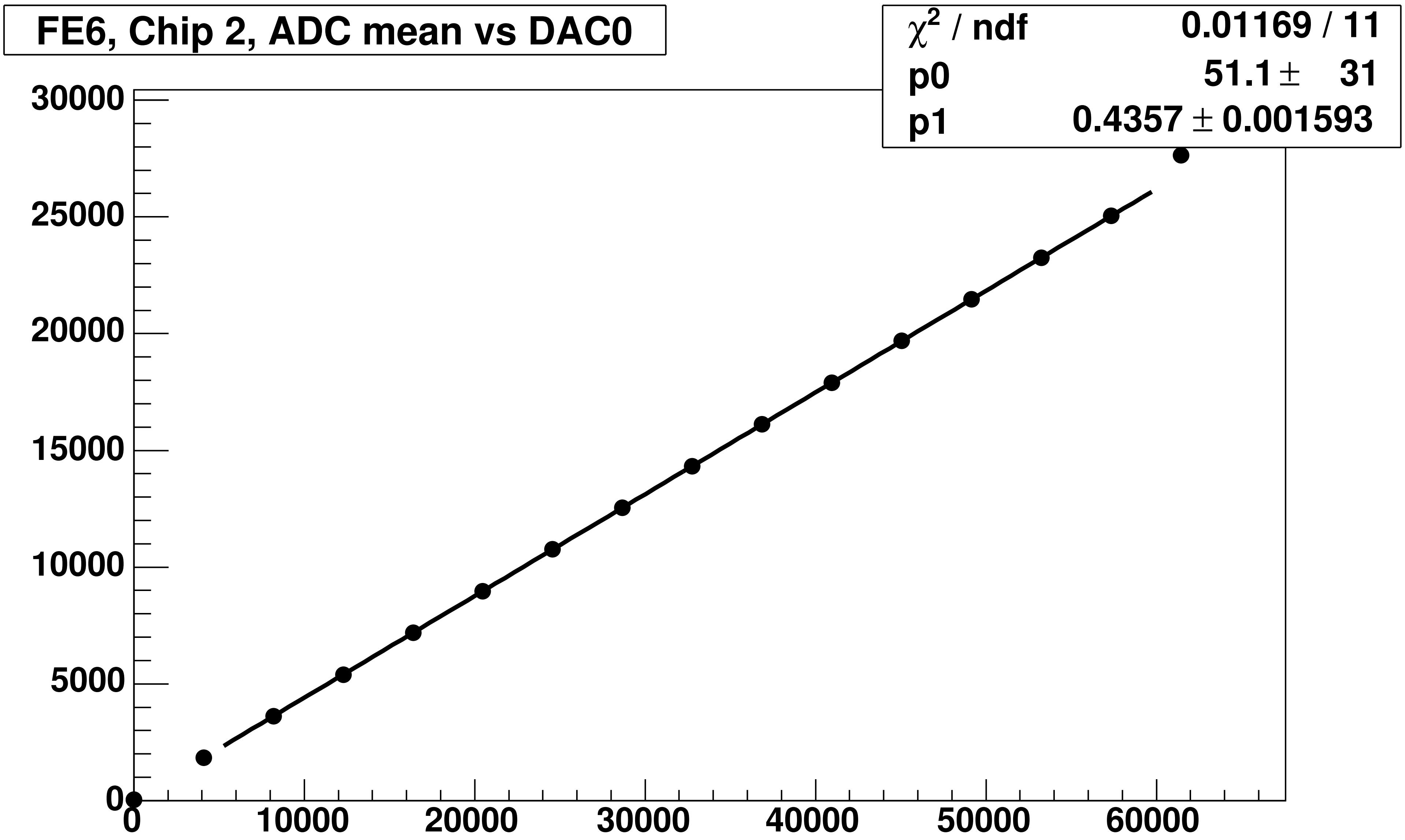
FE6, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

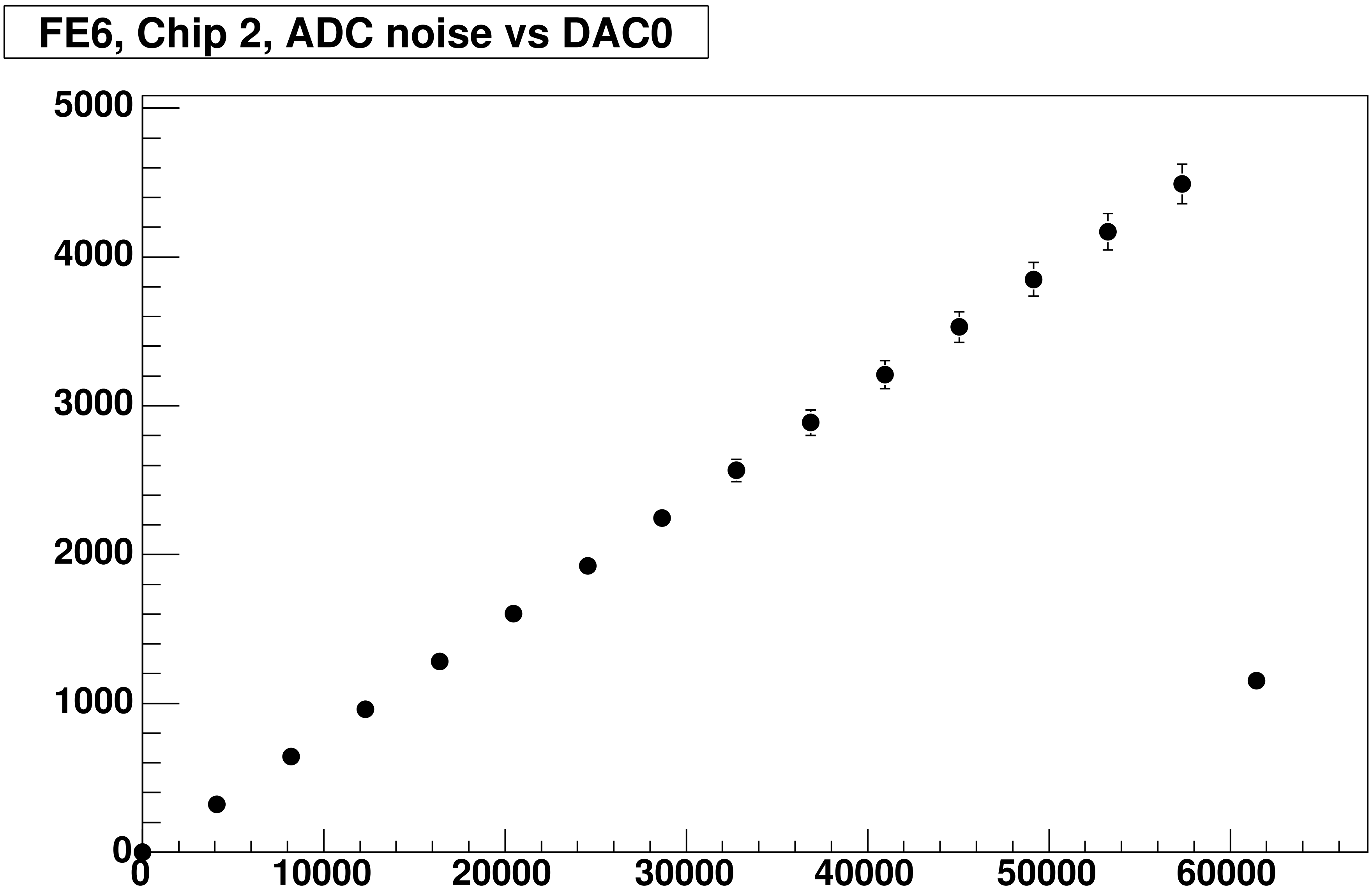


FE6, Chip 1, ADC mean vs DAC1
$\chi^2$ / ndf 1.99e-05 / 11
p0 54.96 ± 30.99
p1 0.01405 ± 0.001592
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

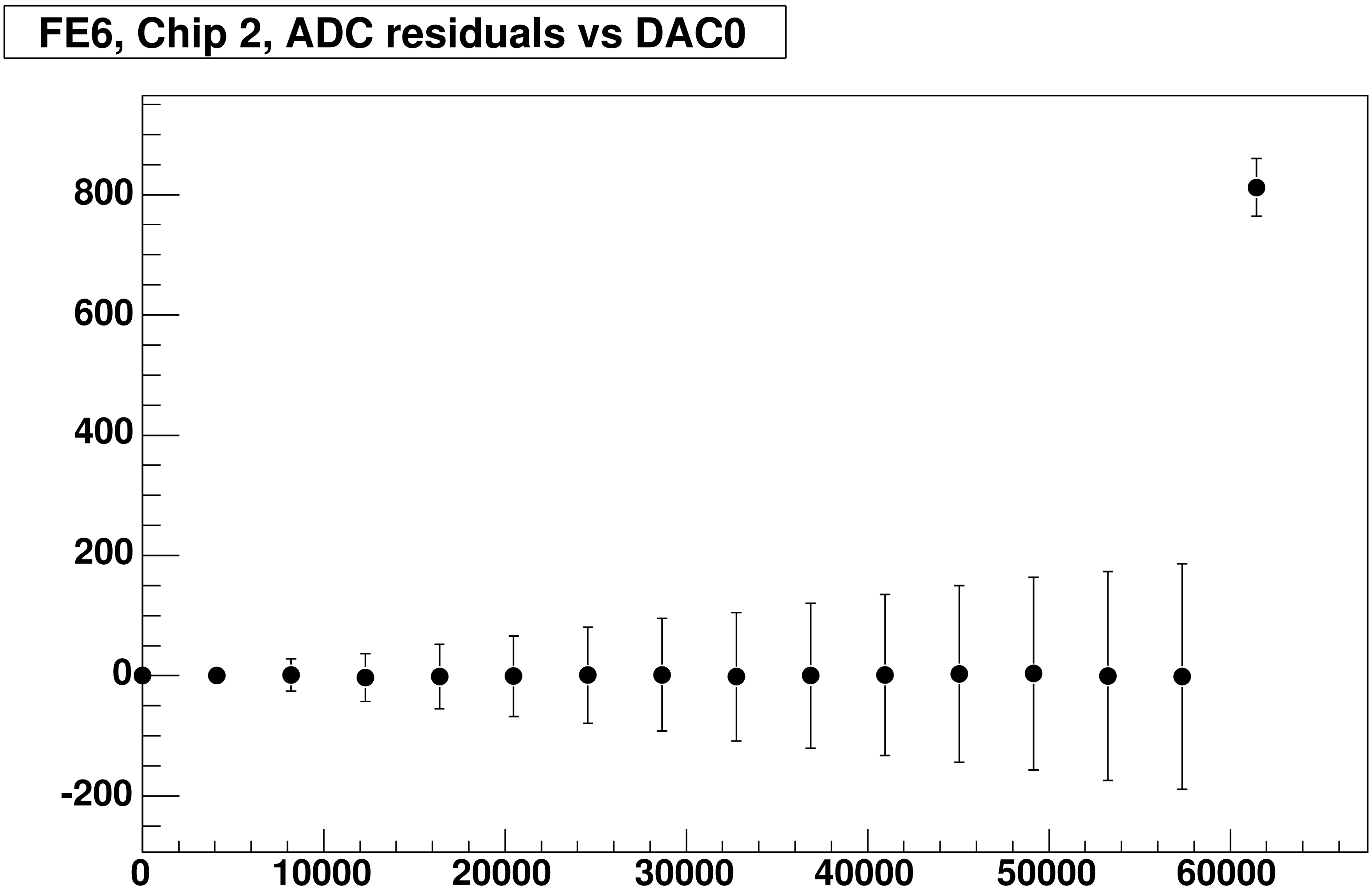

FE6, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

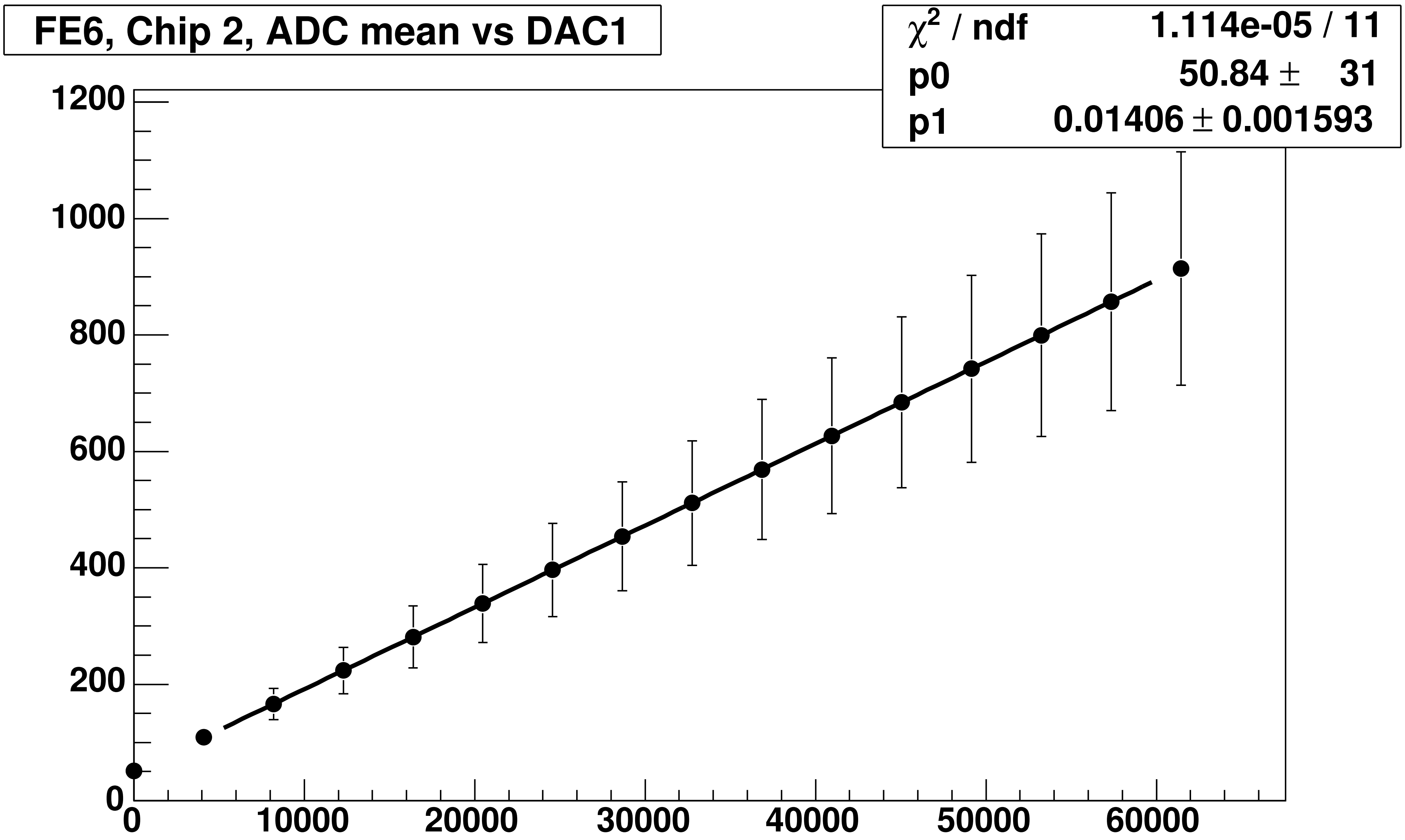

FE6, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

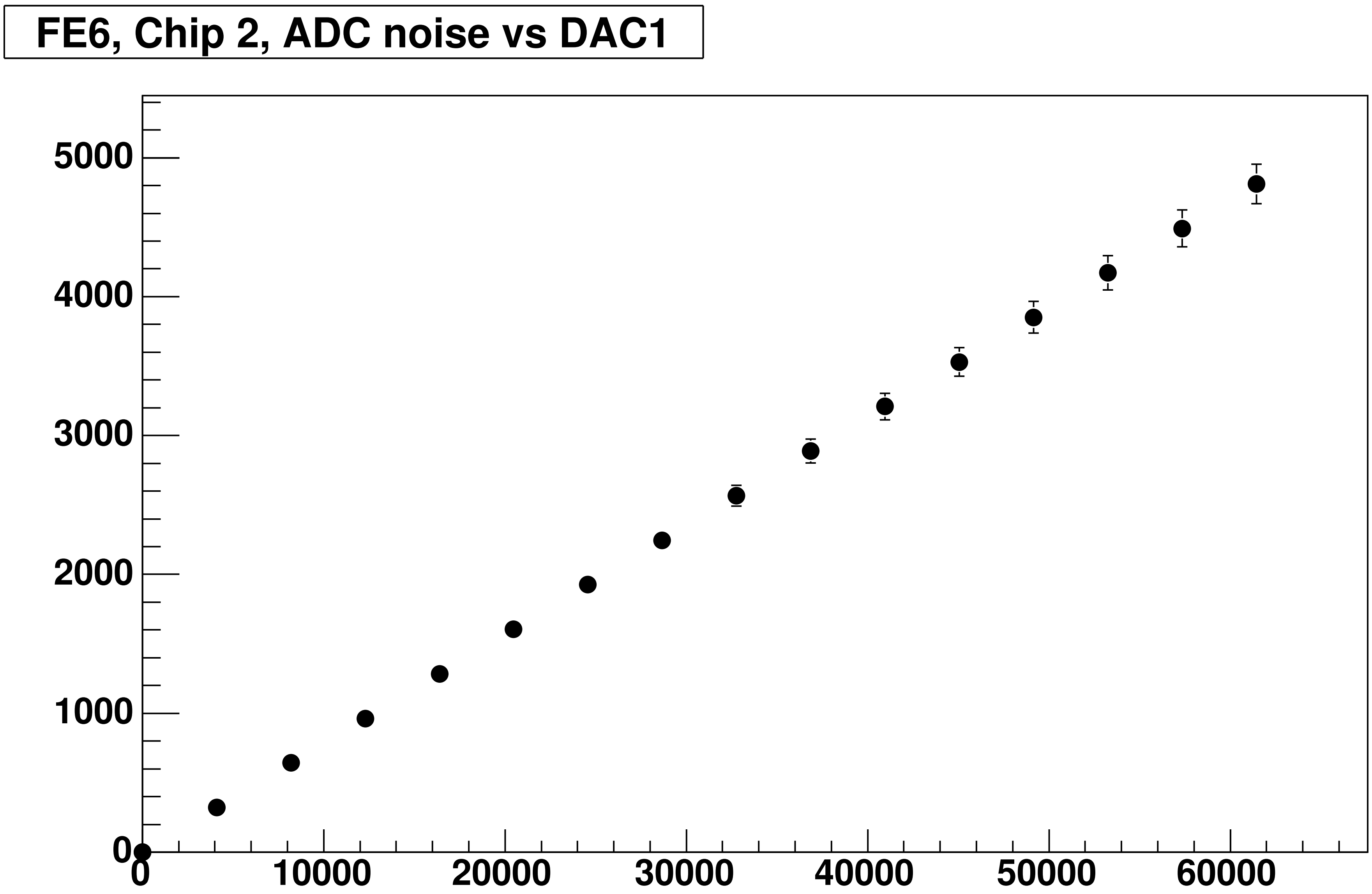

FE6, Chip 2, ADC mean vs DAC0
$\chi^2$ / ndf 0.01169 / 11
p0 51.1 ± 31
p1 0.4357 ± 0.001593
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

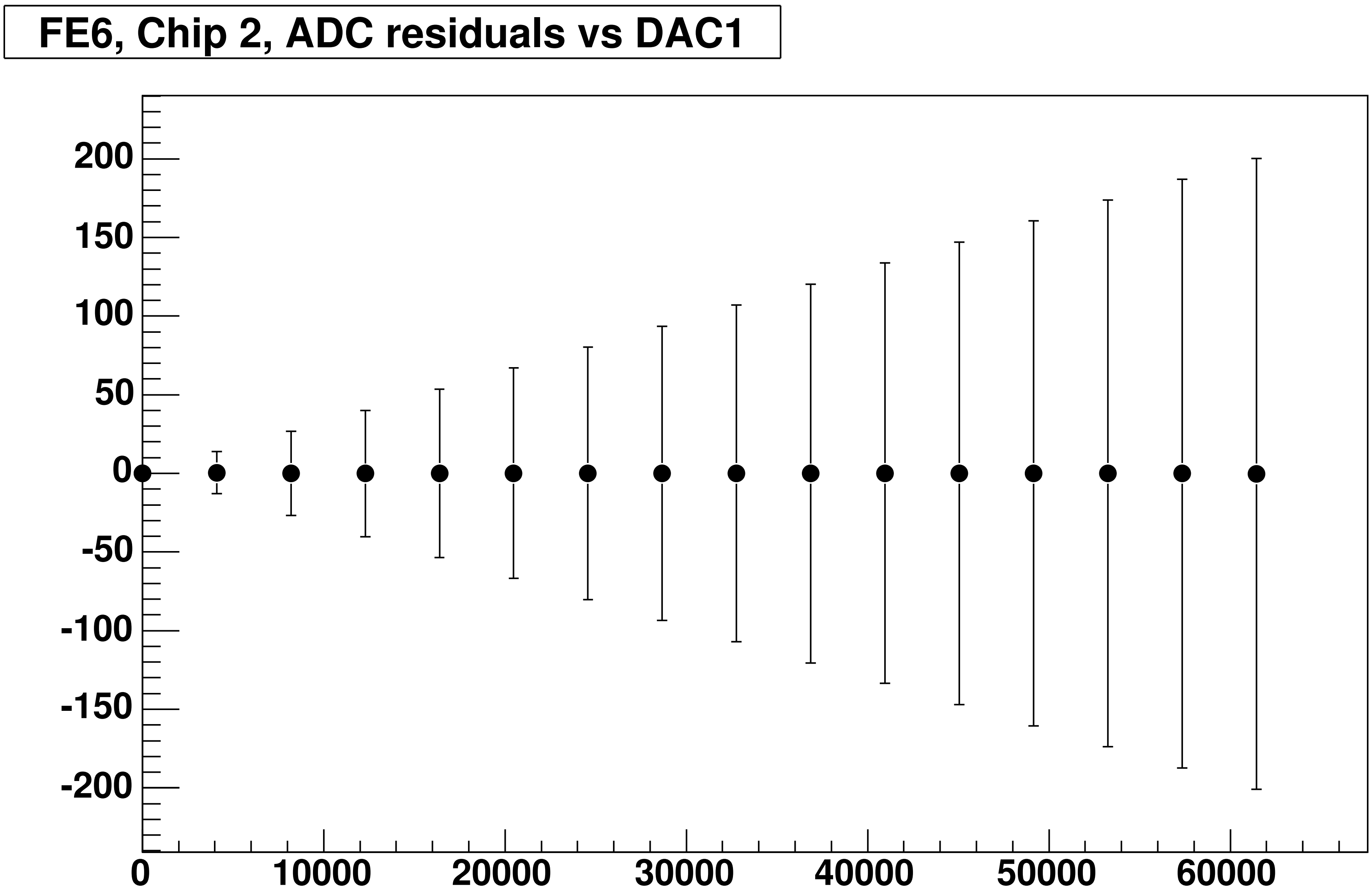


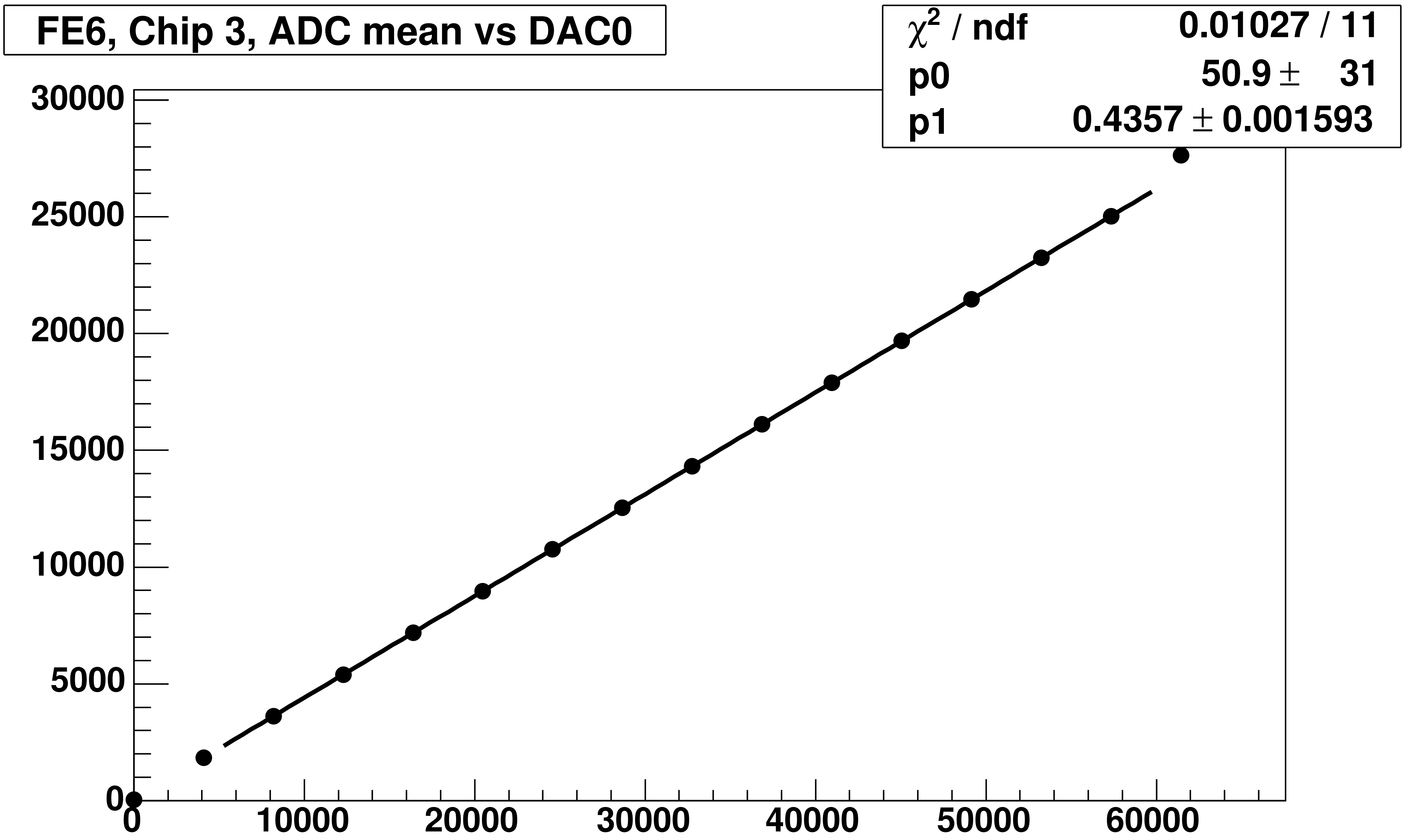
FE6, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

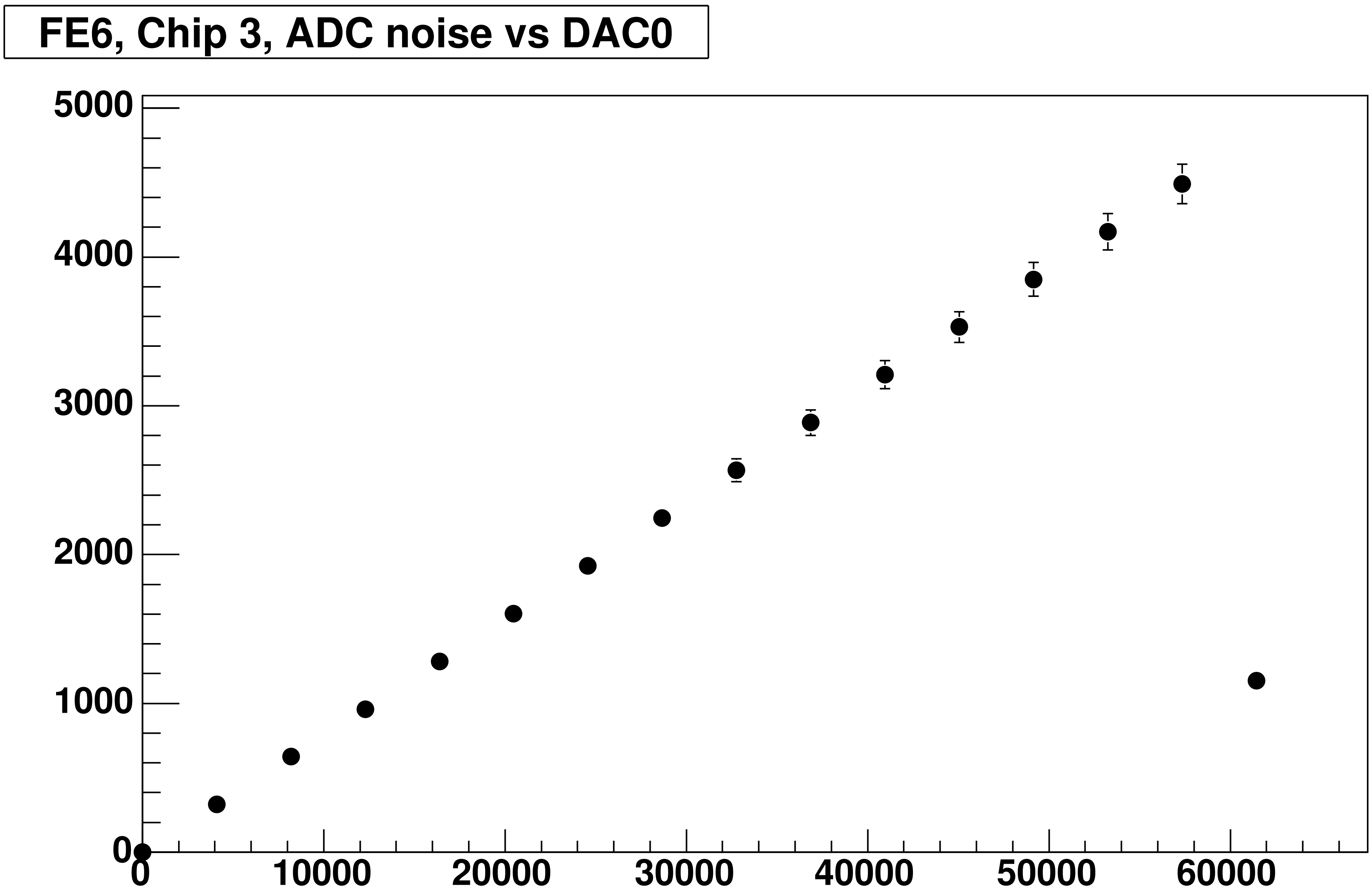

FE6, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

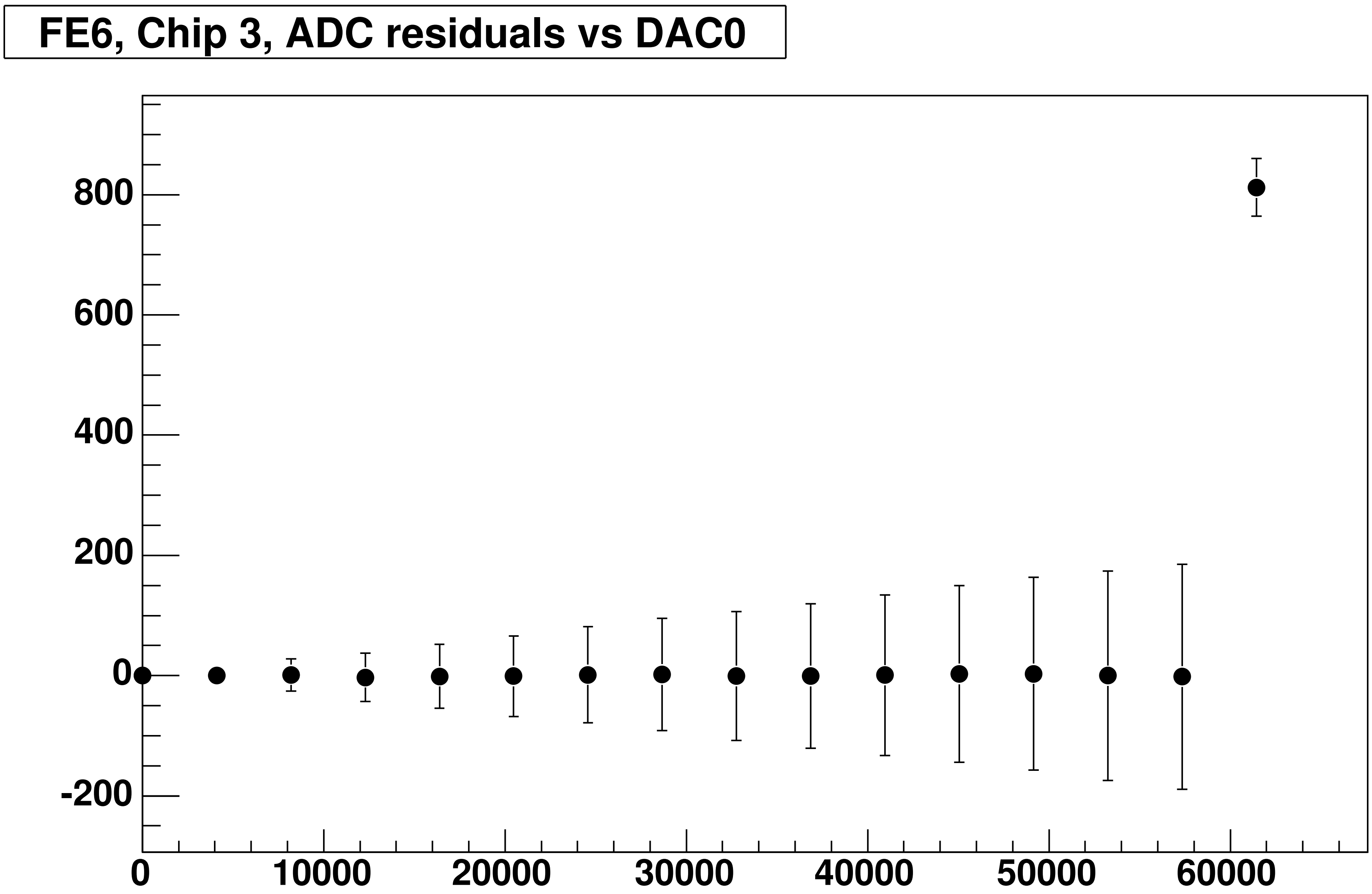

FE6, Chip 2, ADC mean vs DAC1
$\chi^2$ / ndf 1.114e-05 / 11
p0 50.84 ± 31
p1 0.01406 ± 0.001593
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

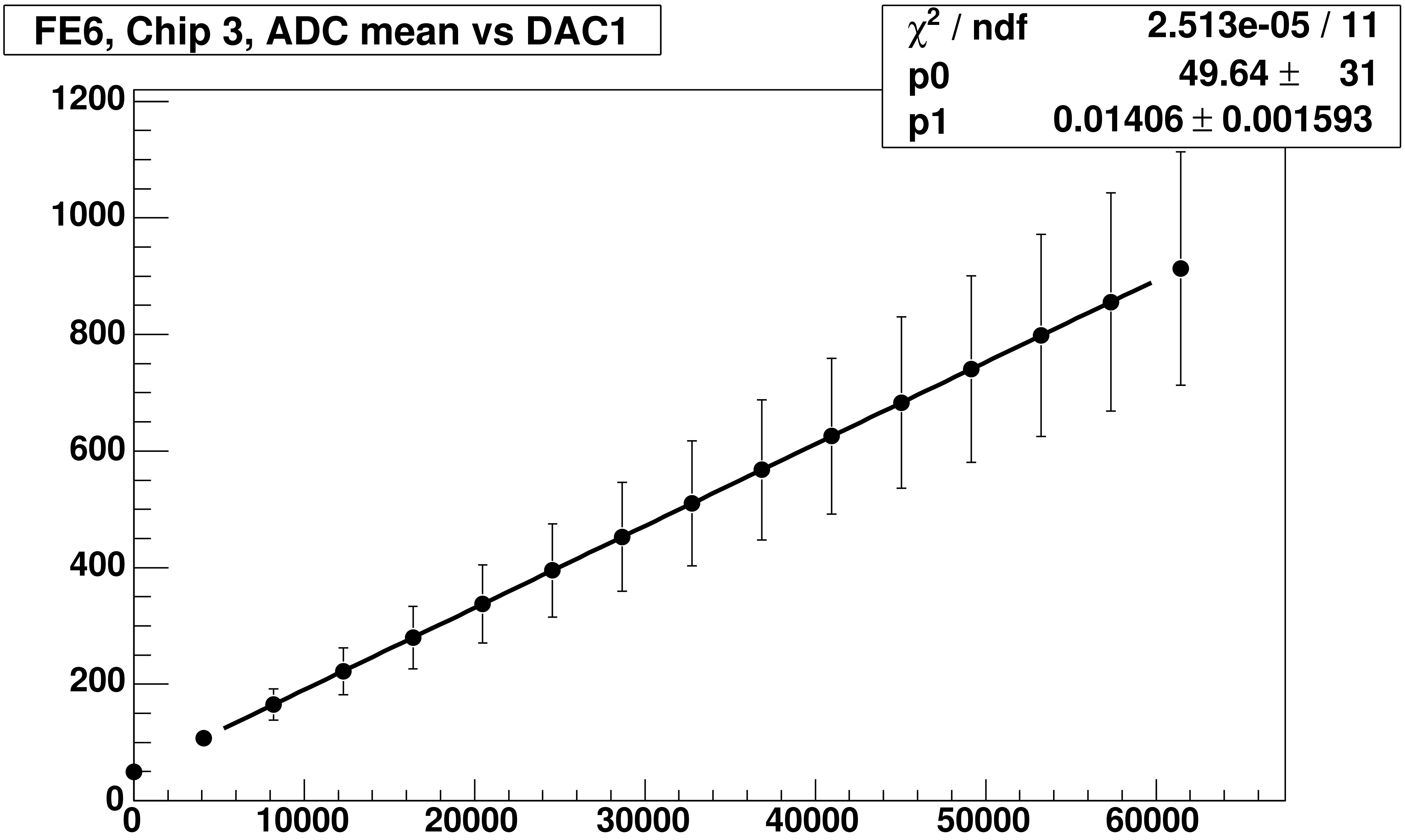

FE6, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

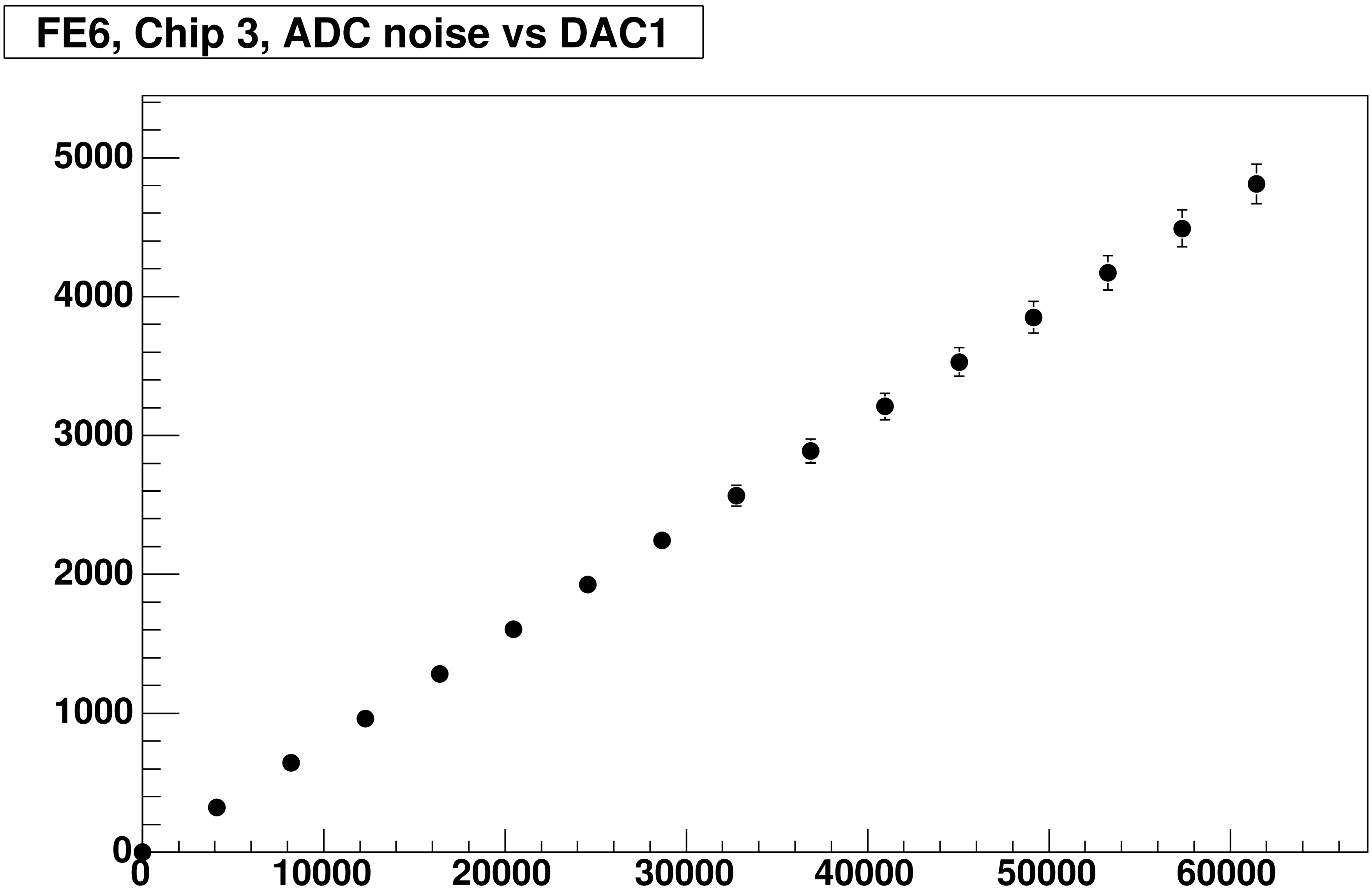

FE6, Chip 3, ADC mean vs DAC0
$\chi^2$ / ndf 0.01027 / 11
p0 50.9 ± 31
p1 0.4357 ± 0.001593
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

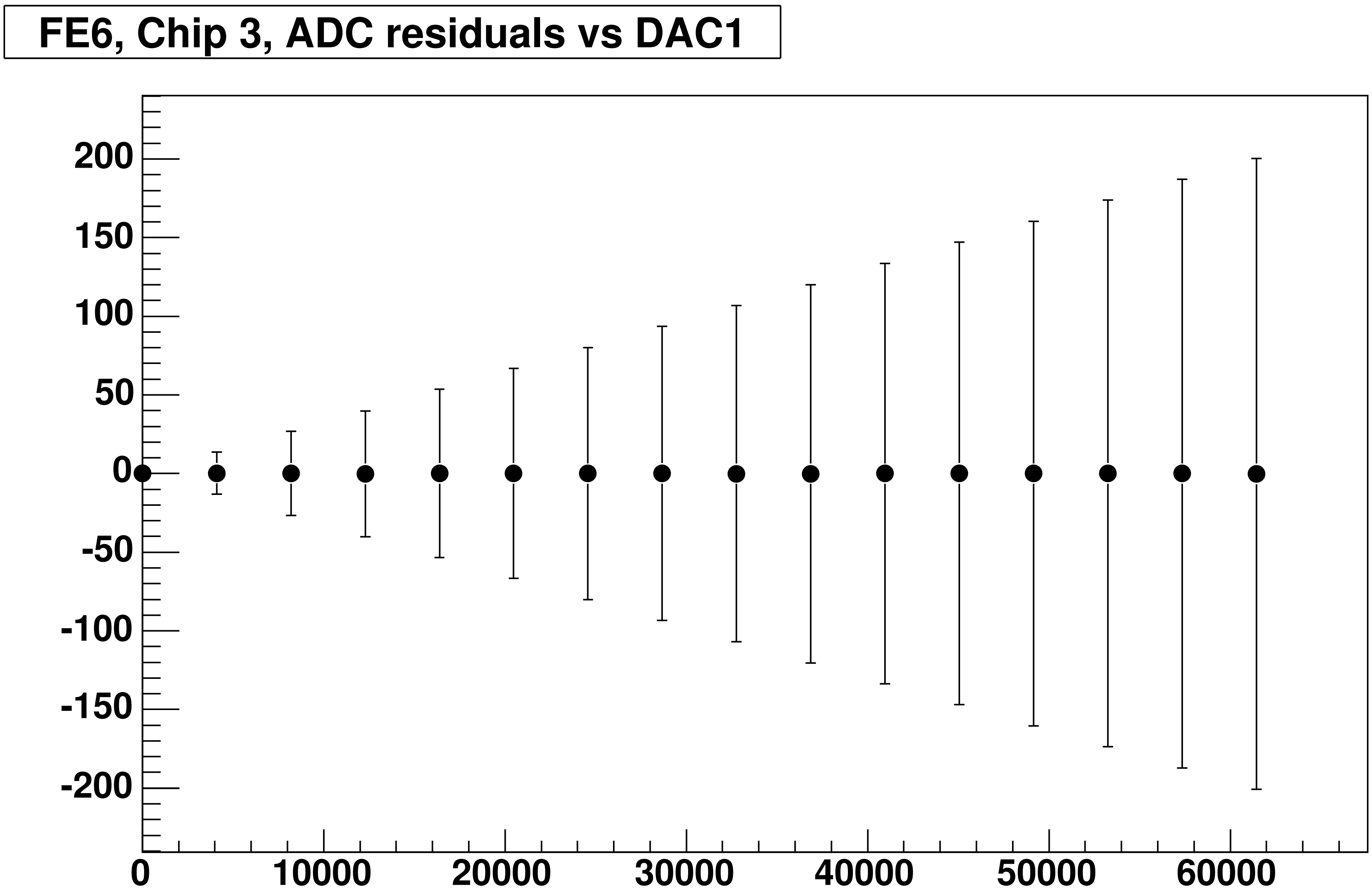

FE6, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

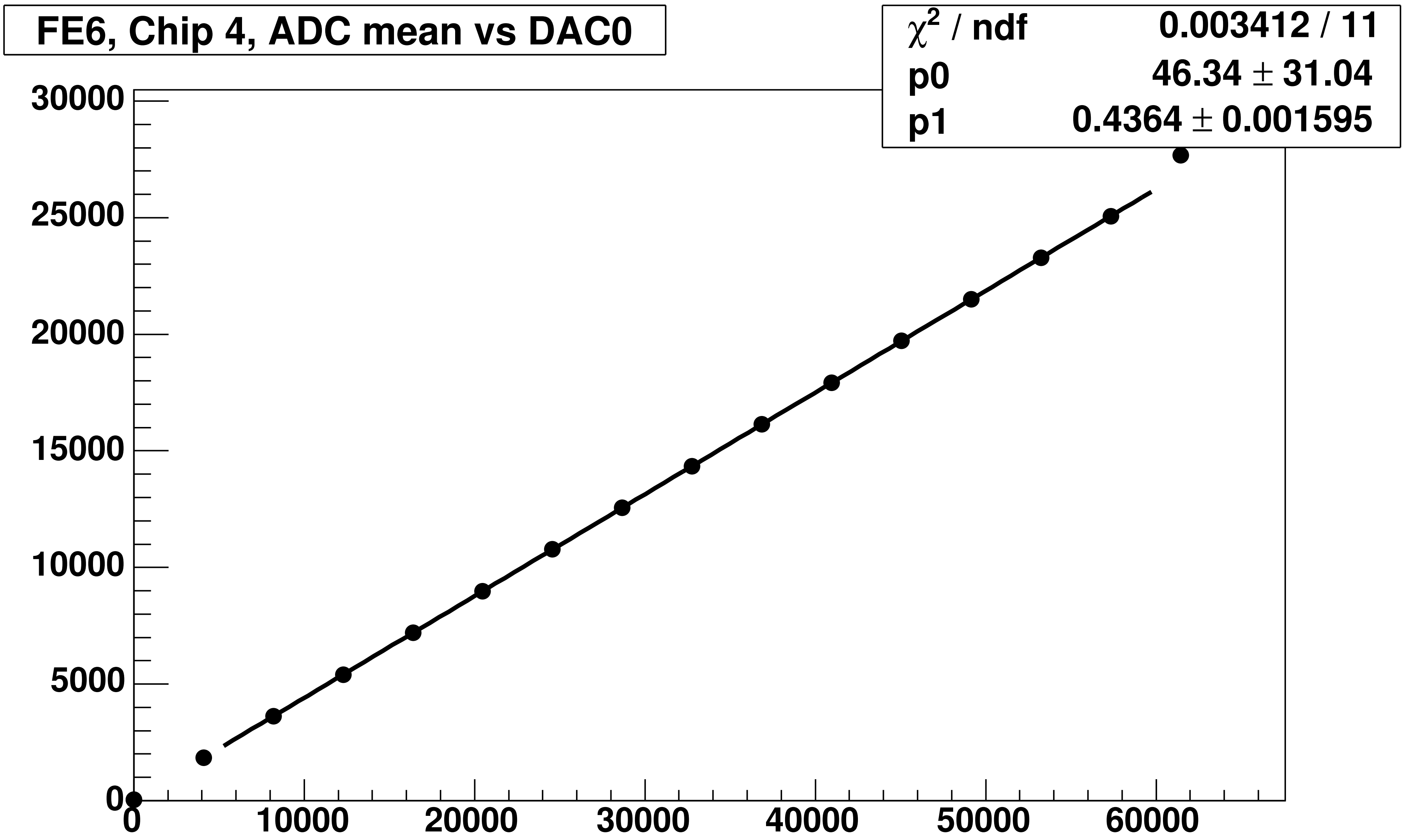

FE6, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

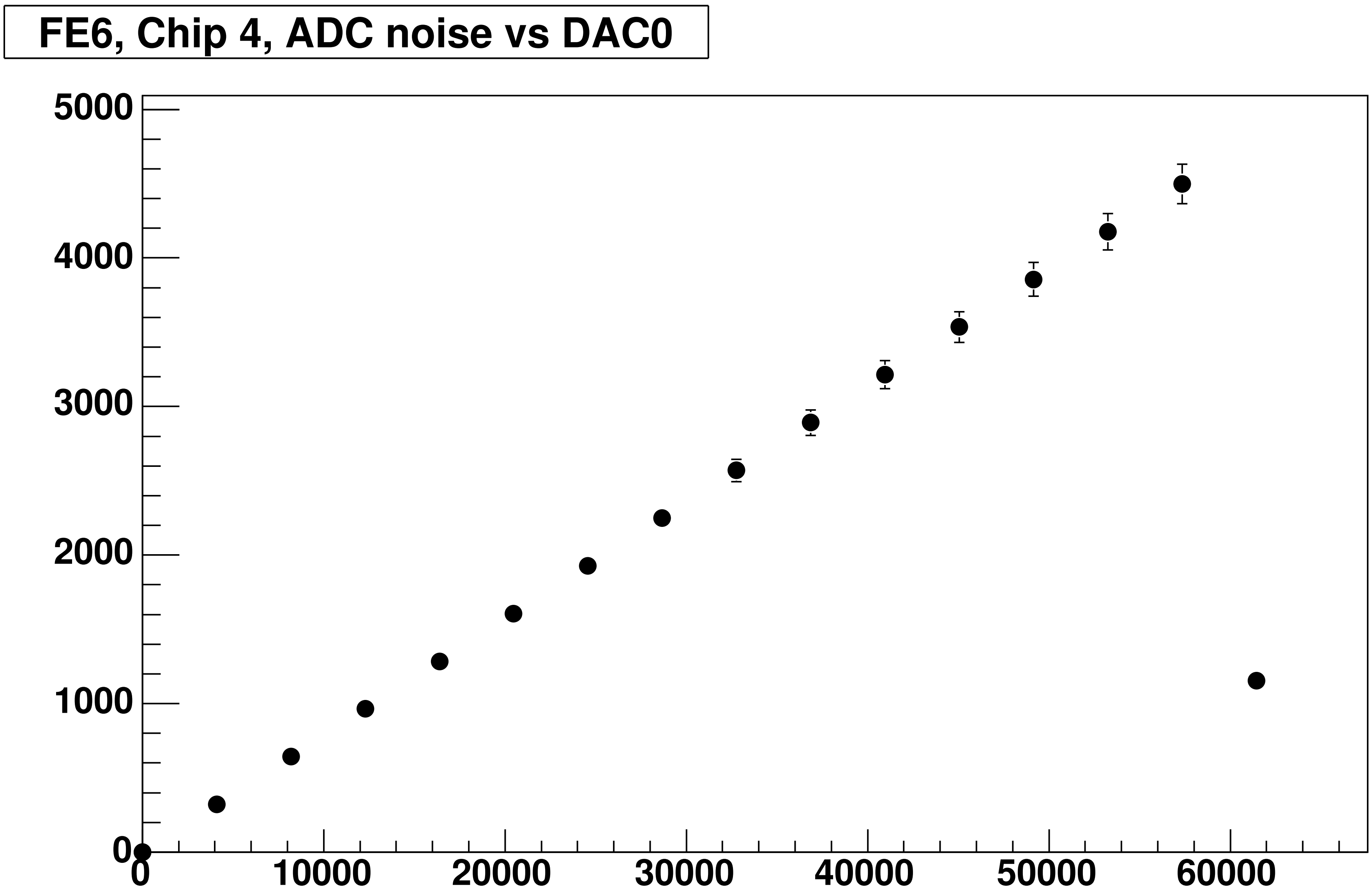


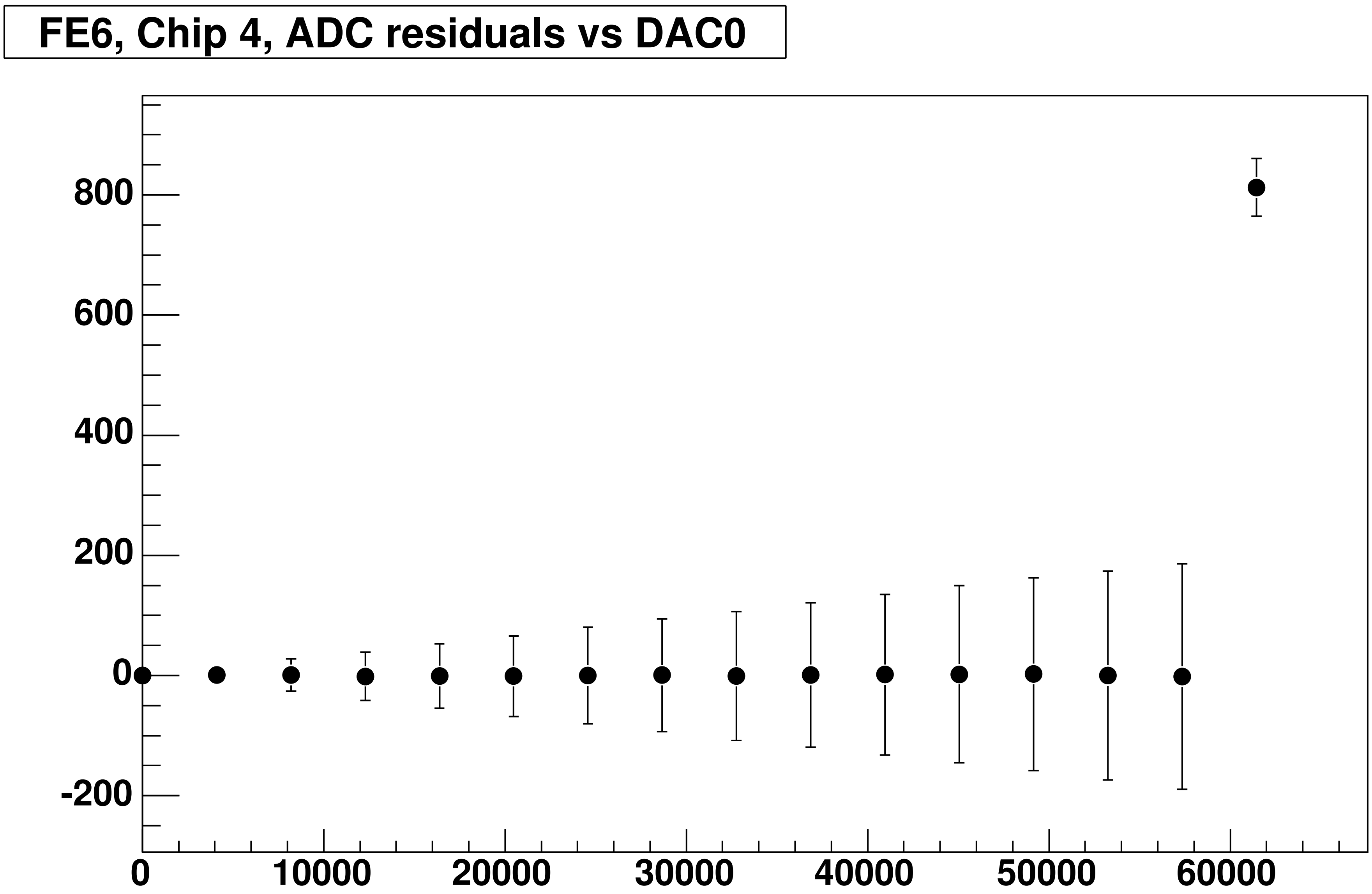
FE6, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 2.513e-05 / 11
p0 49.64 ± 31
p1 0.01406 ± 0.001593
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

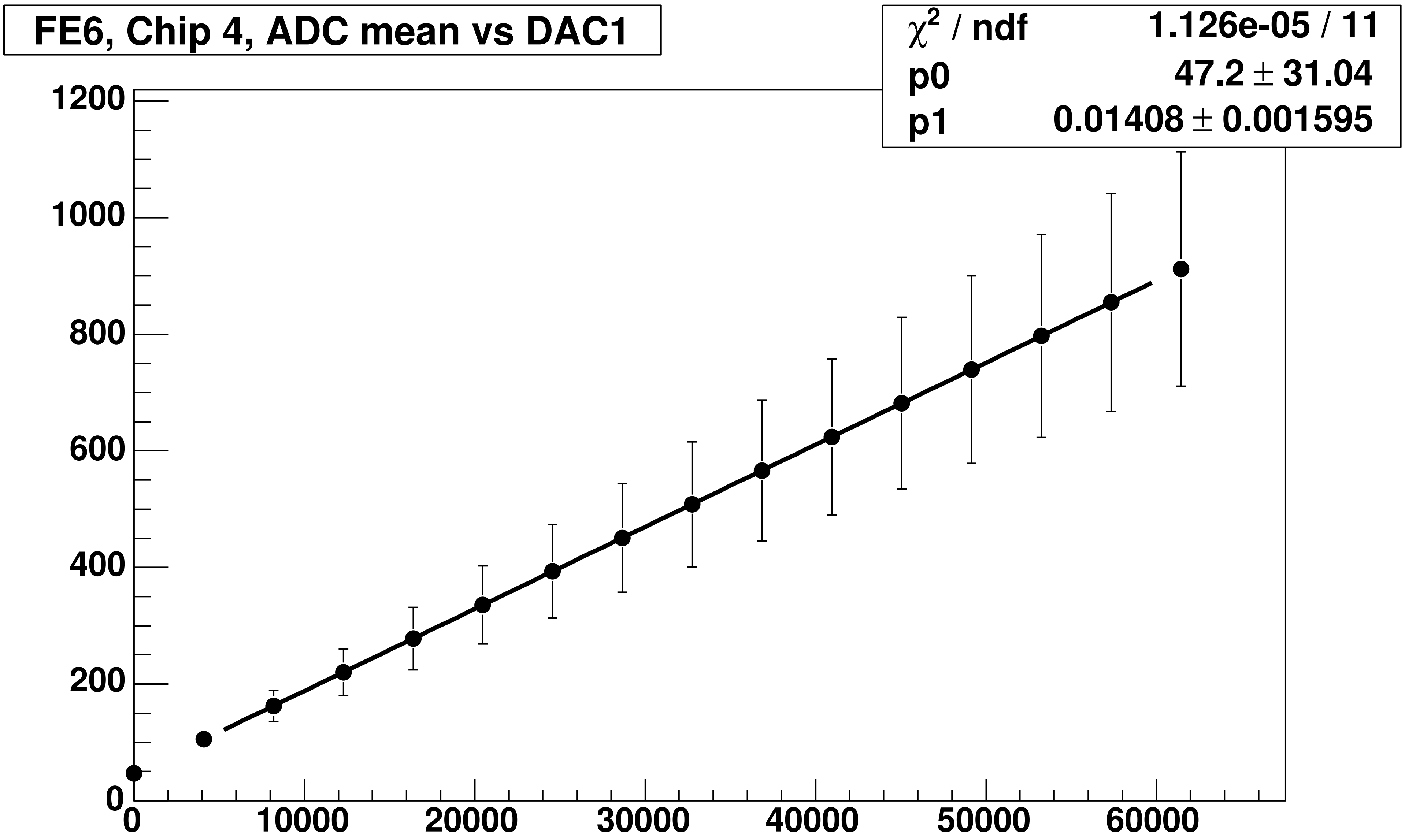

FE6, Chip 3, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

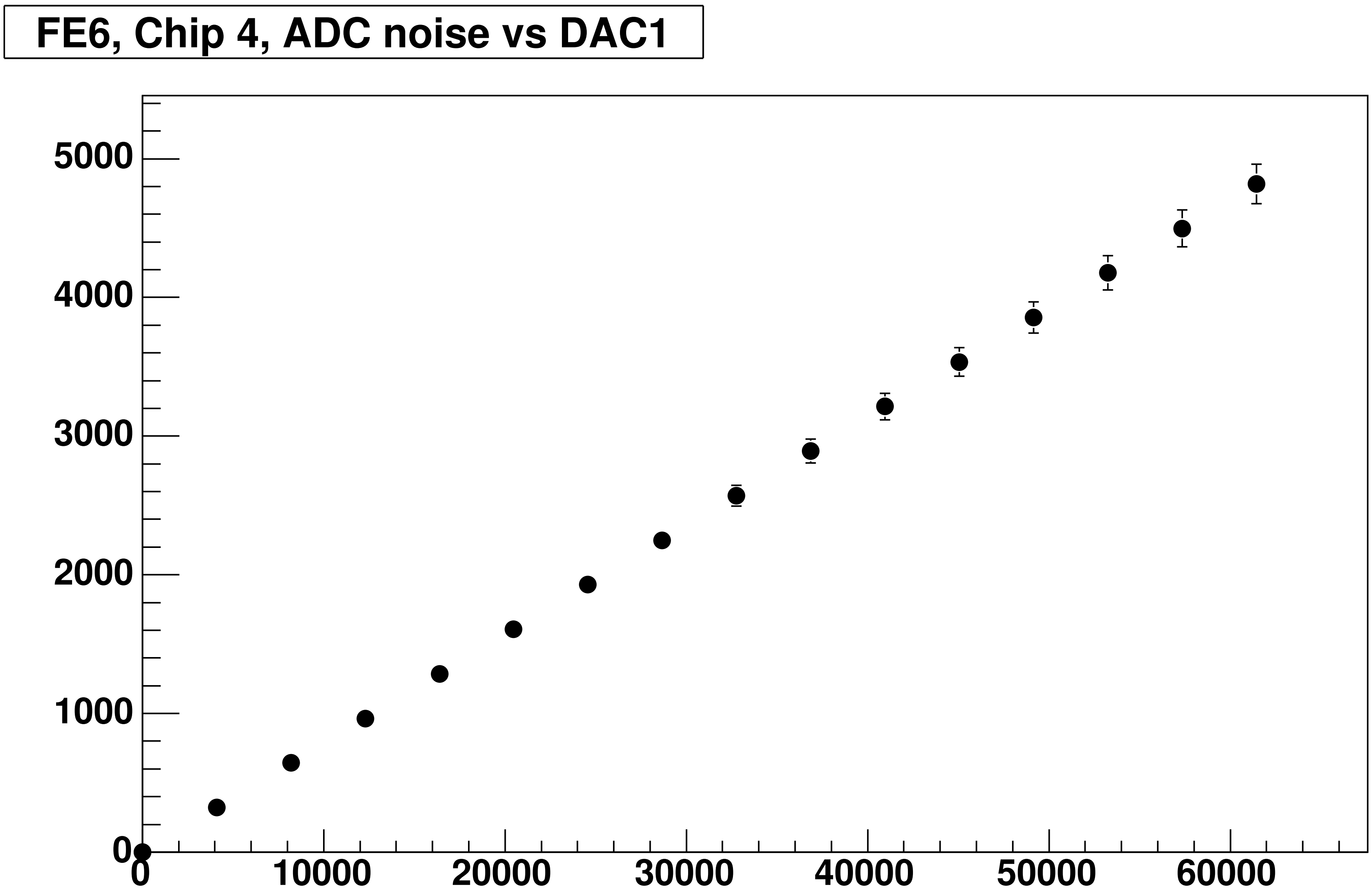

FE6, Chip 4, ADC mean vs DAC0
χ² / ndf 0.003412 / 11
p0 46.34 ± 31.04
p1 0.4364 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

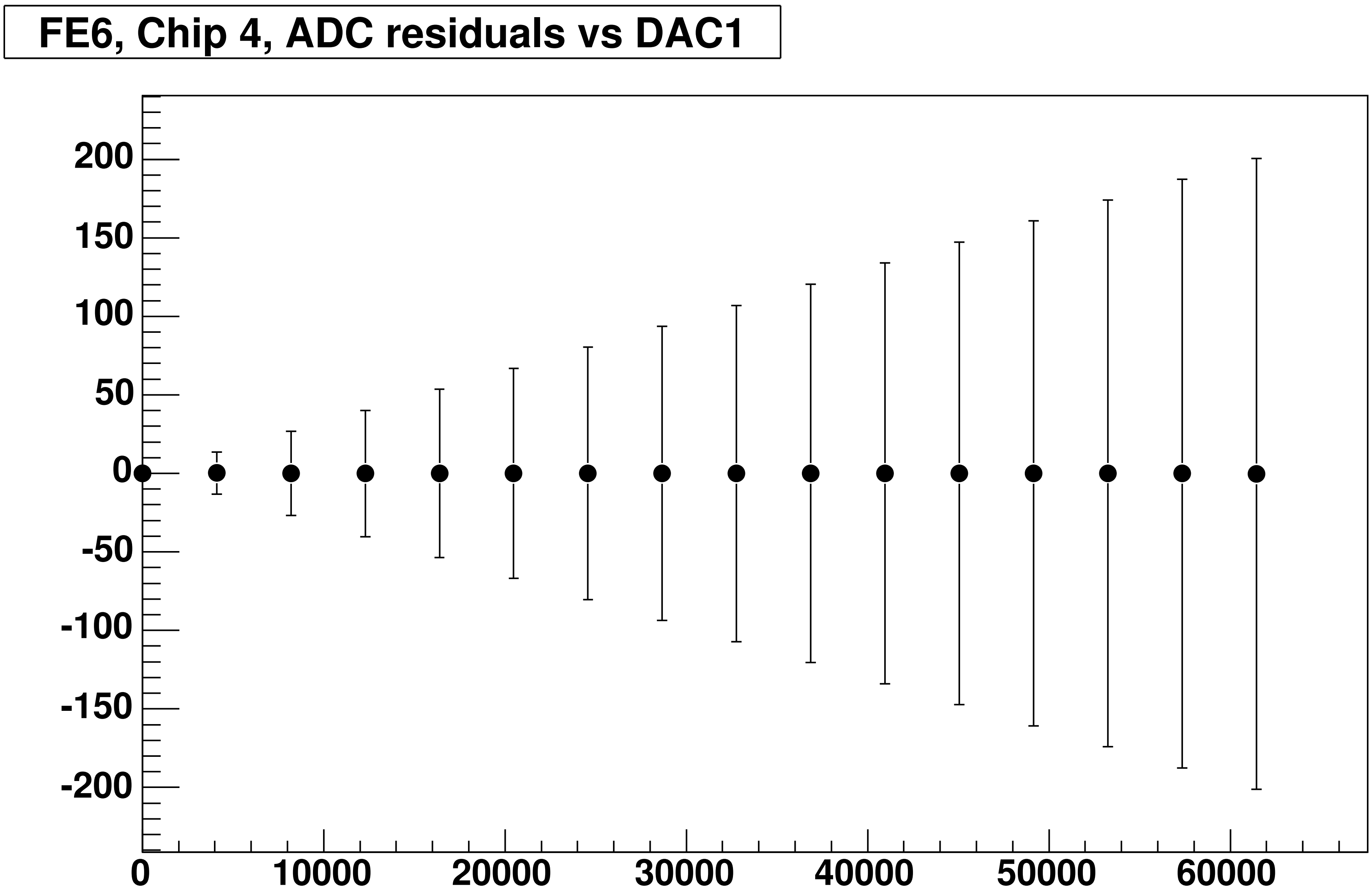

FE6, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

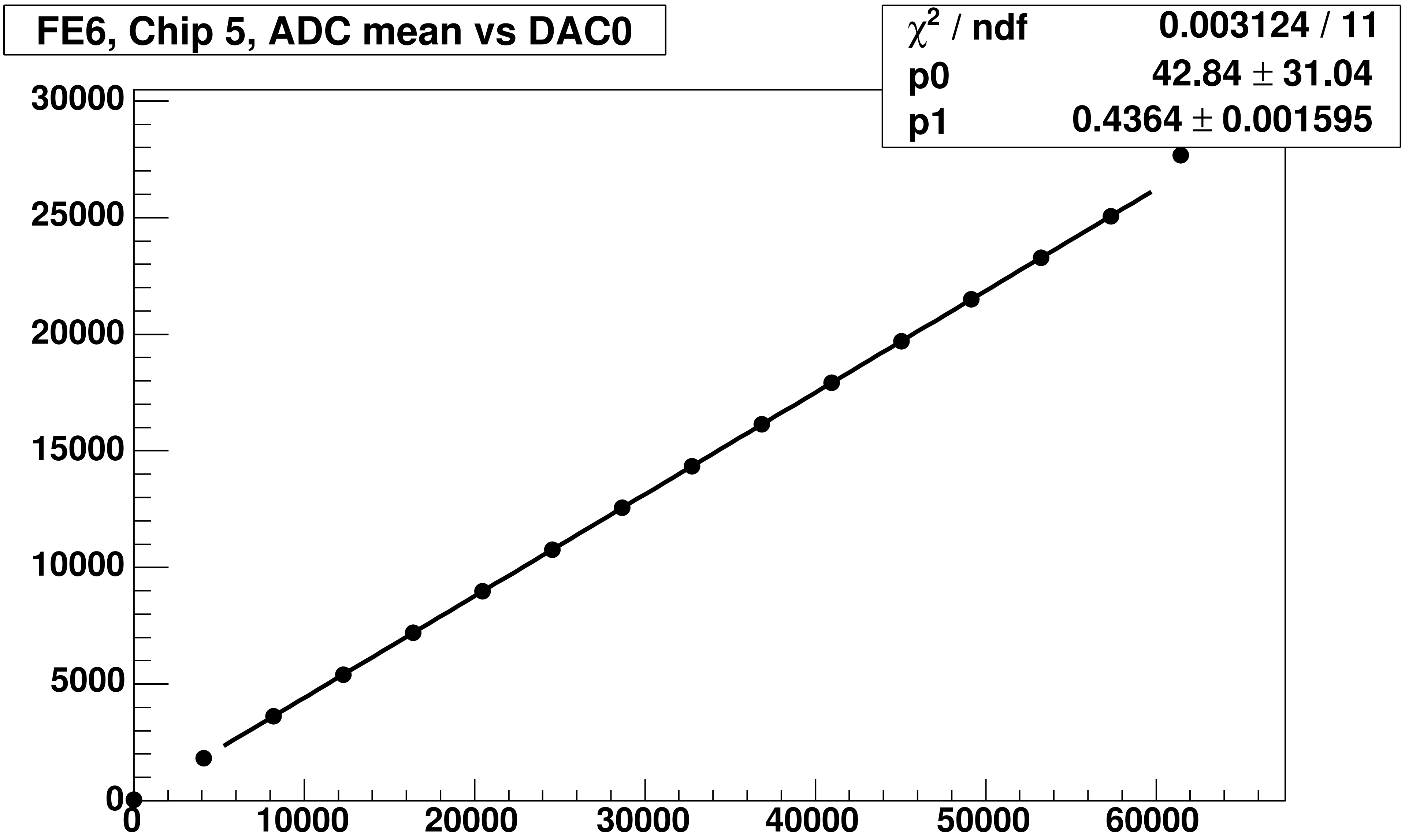

FE6, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

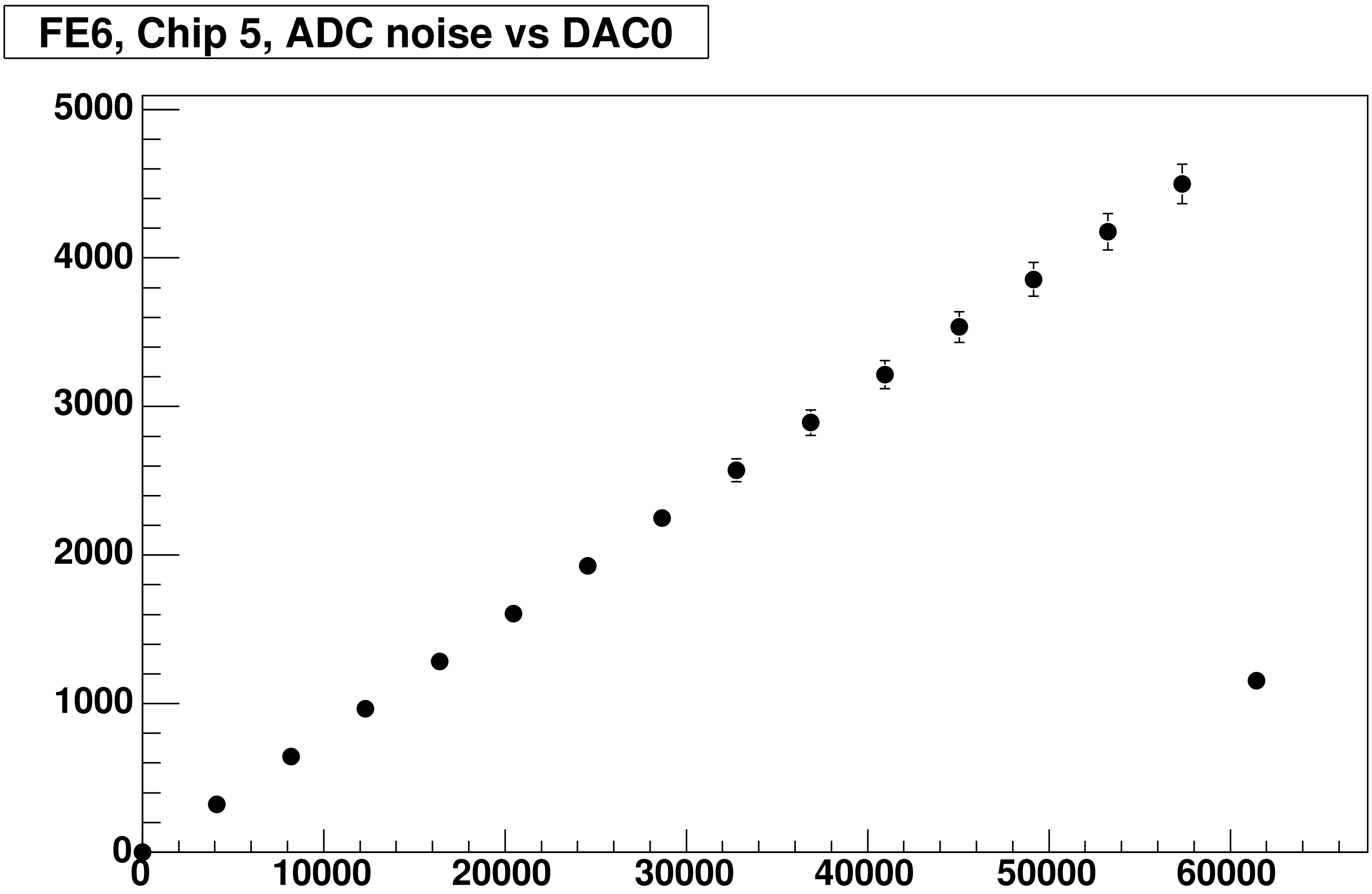


FE6, Chip 4, ADC mean vs DAC1
$\chi^2$ / ndf 1.126e-05 / 11
p0 47.2 ± 31.04
p1 0.01408 ± 0.001595
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

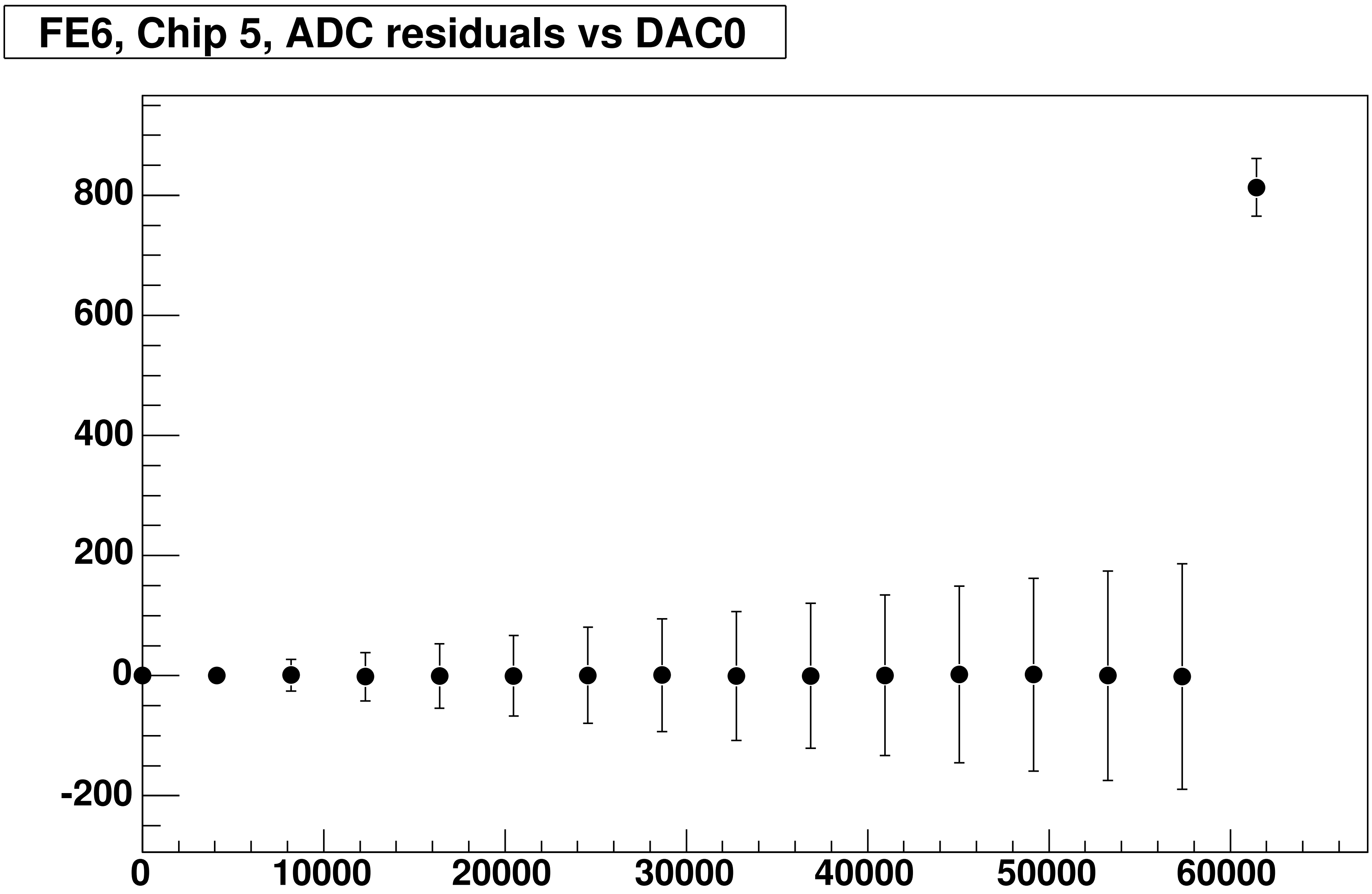

FE6, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

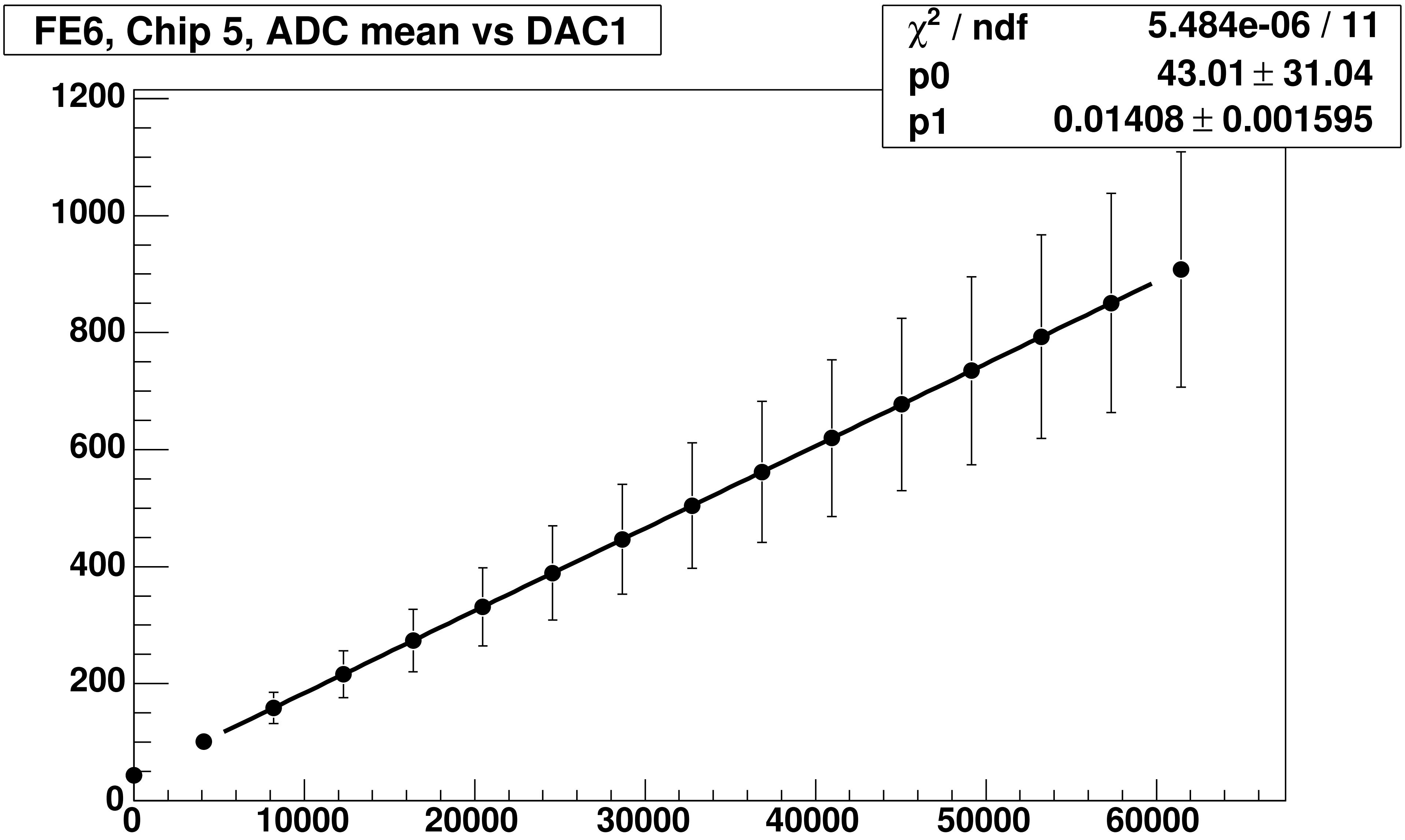

FE6, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 5, ADC mean vs DAC0
$\chi^2$ / ndf 0.003124 / 11
p0 42.84 ± 31.04
p1 0.4364 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

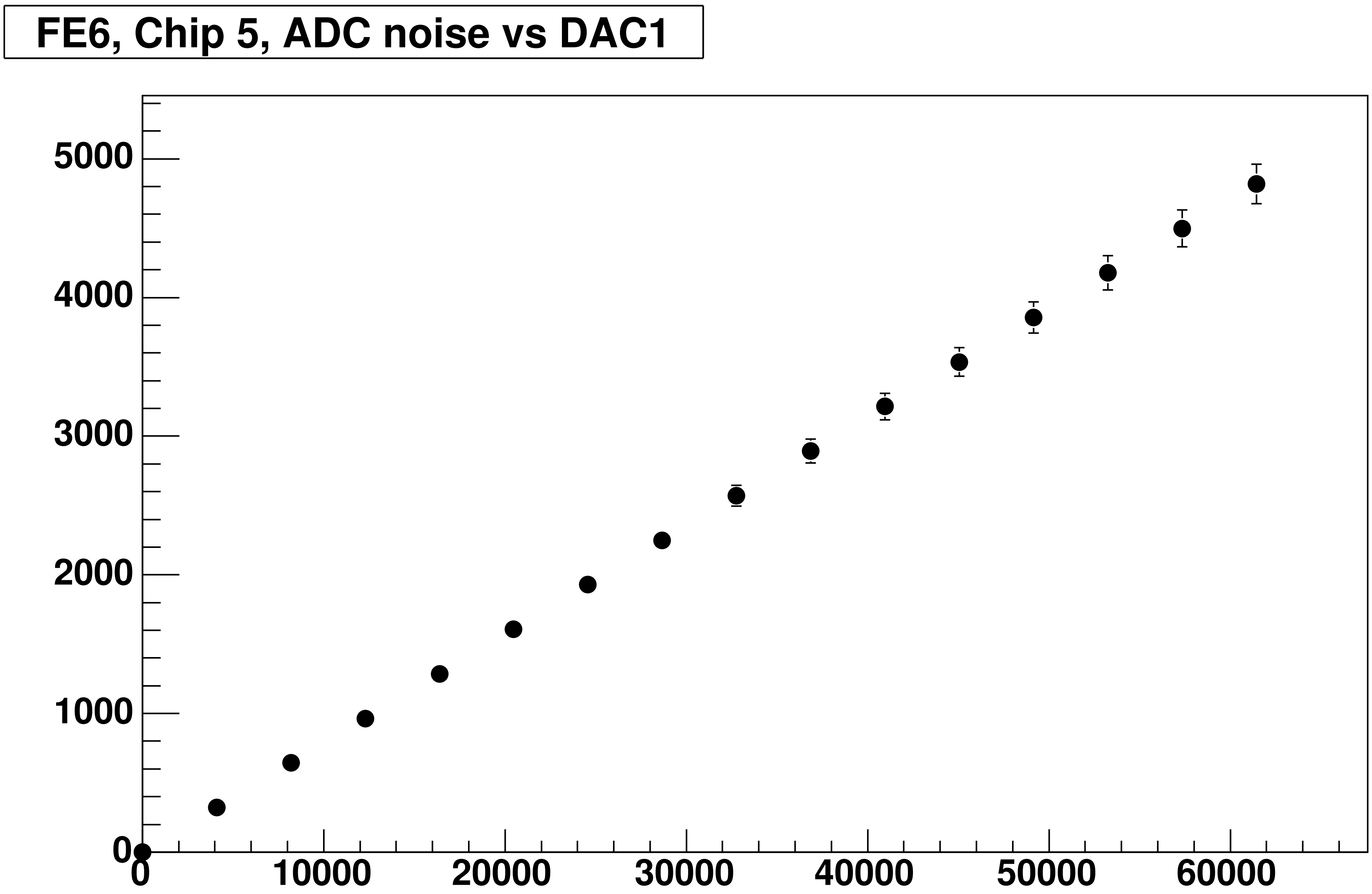


FE6, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

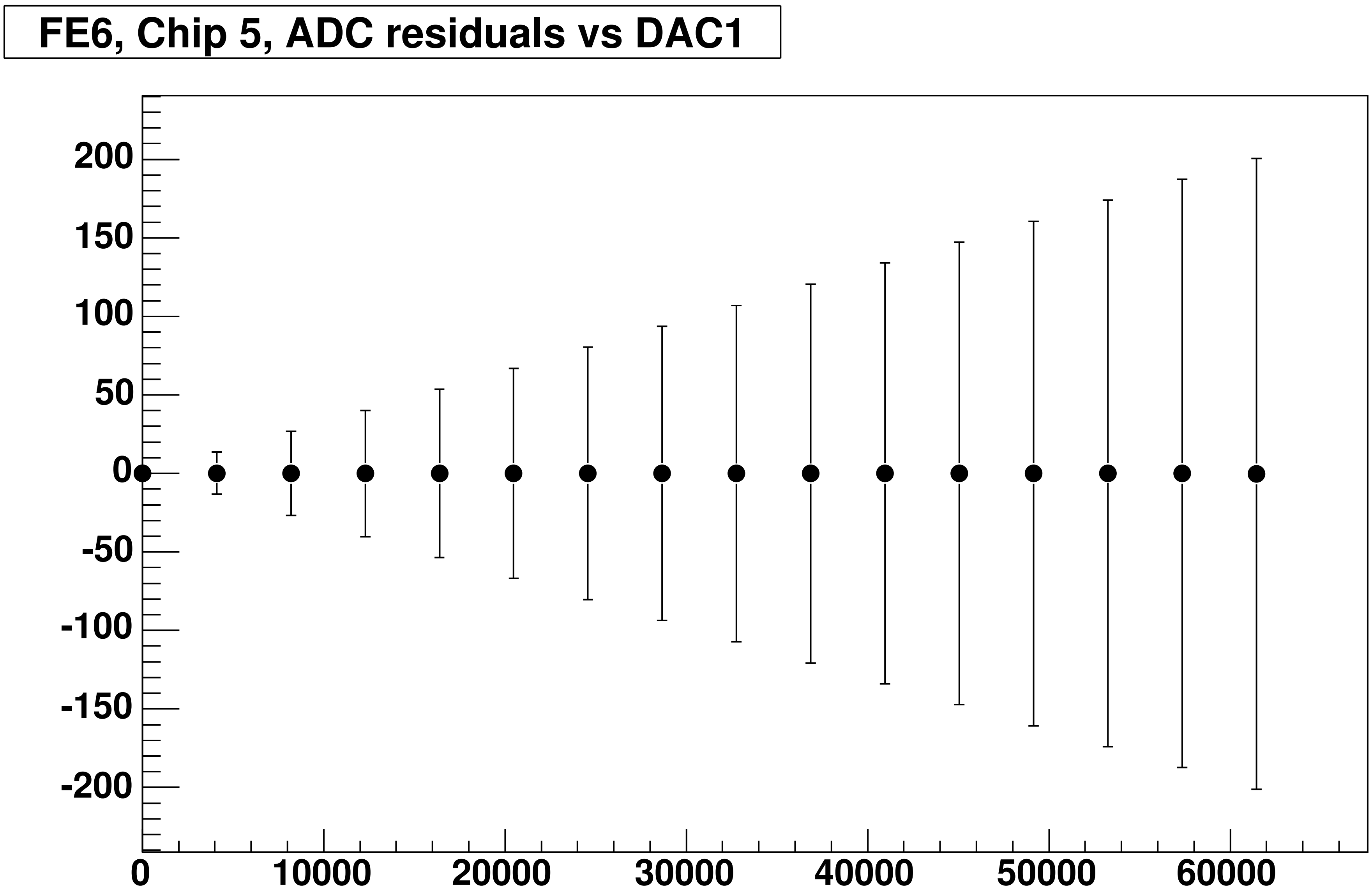

FE6, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

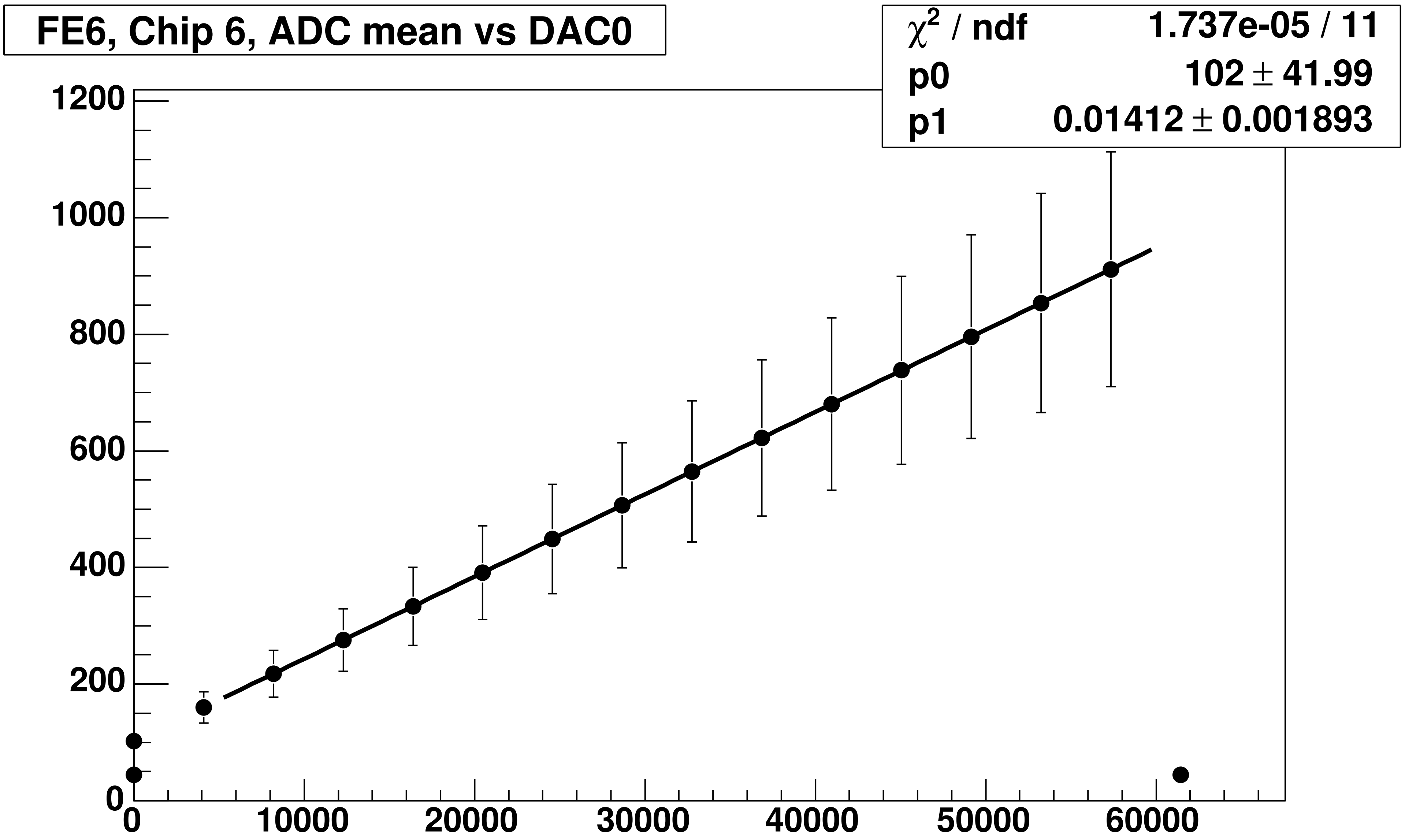


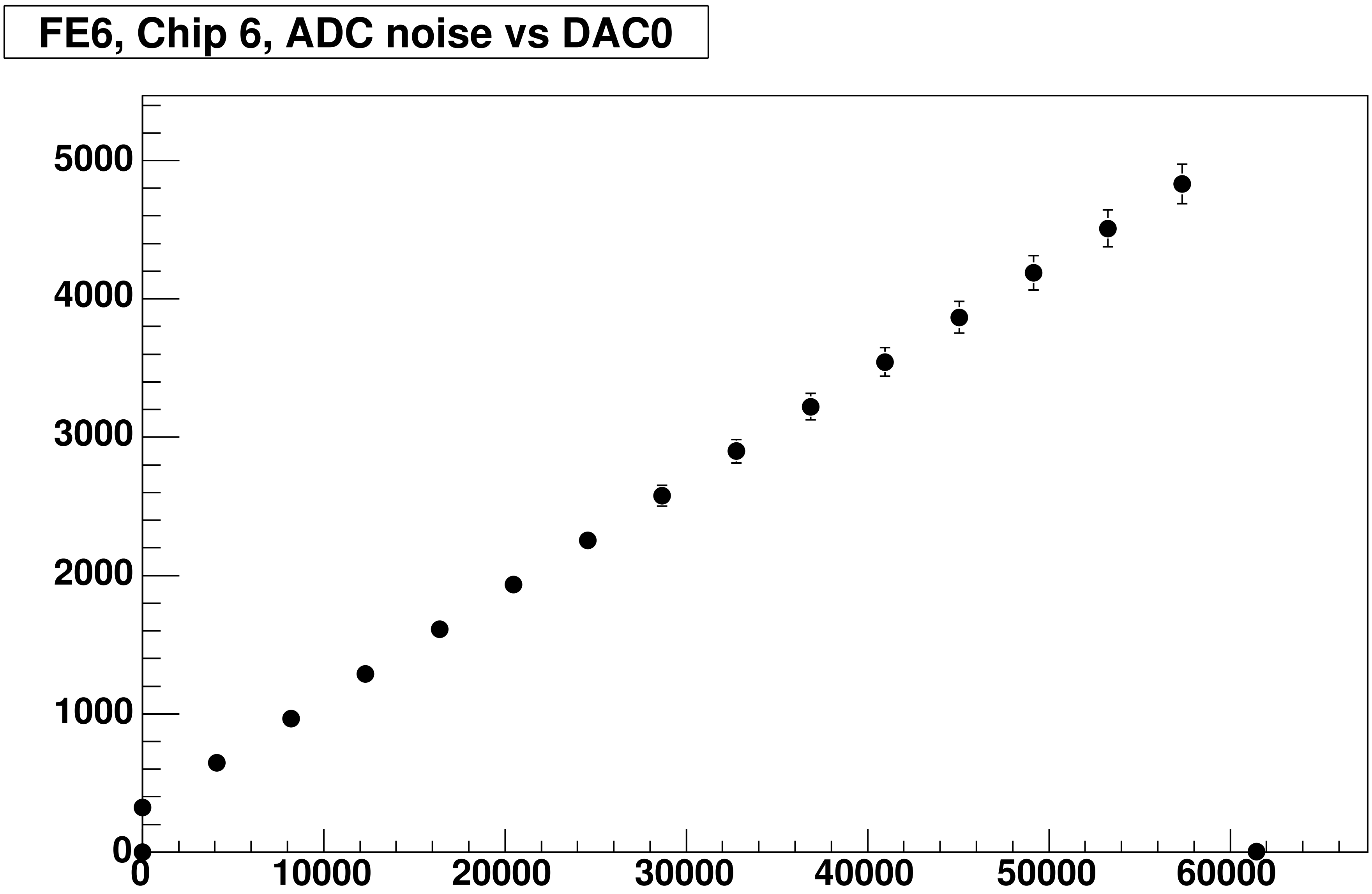
FE6, Chip 5, ADC mean vs DAC1
$\chi^2$ / ndf 5.484e-06 / 11
p0 43.01 ± 31.04
p1 0.01408 ± 0.001595
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

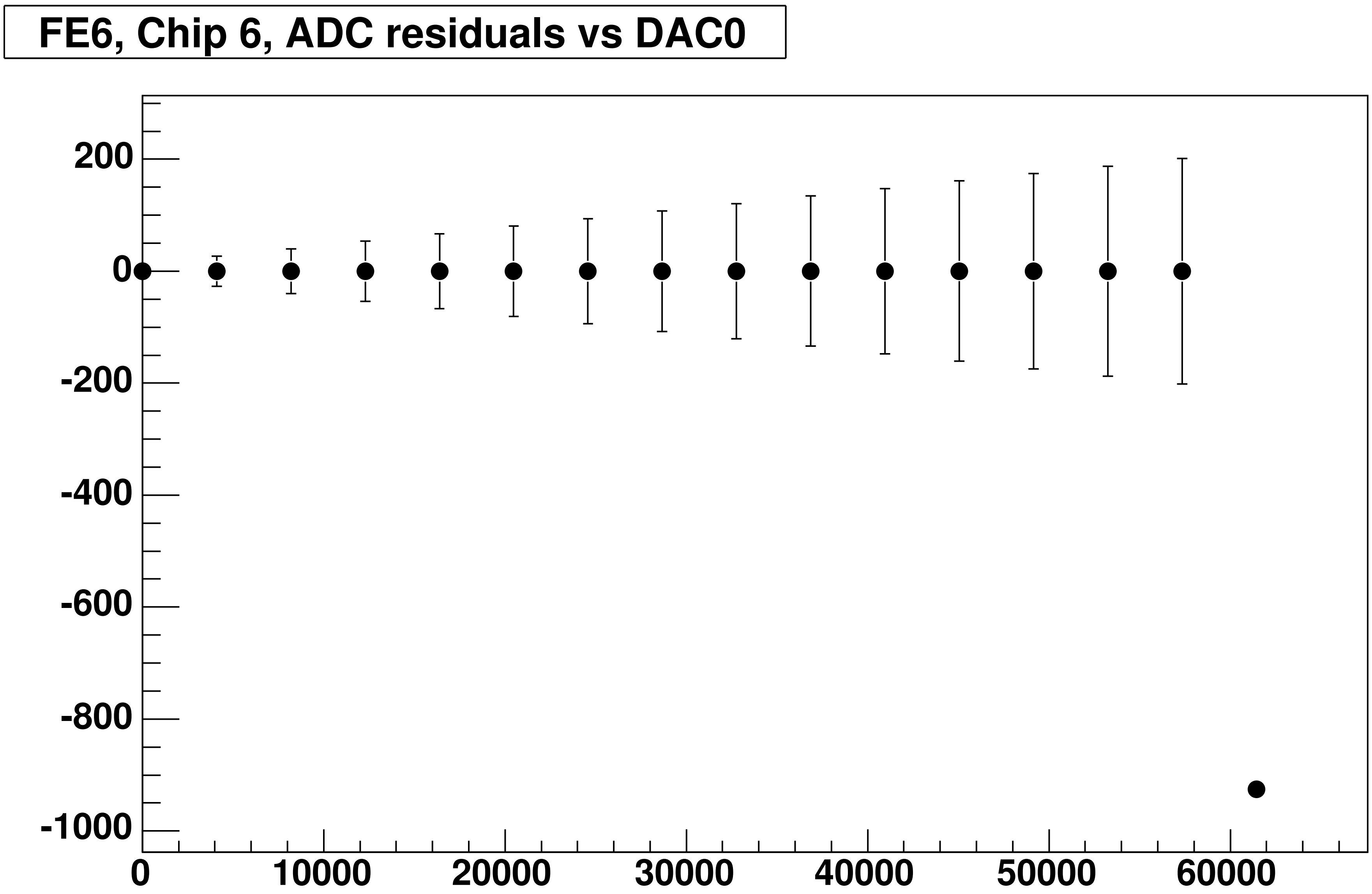


FE6, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

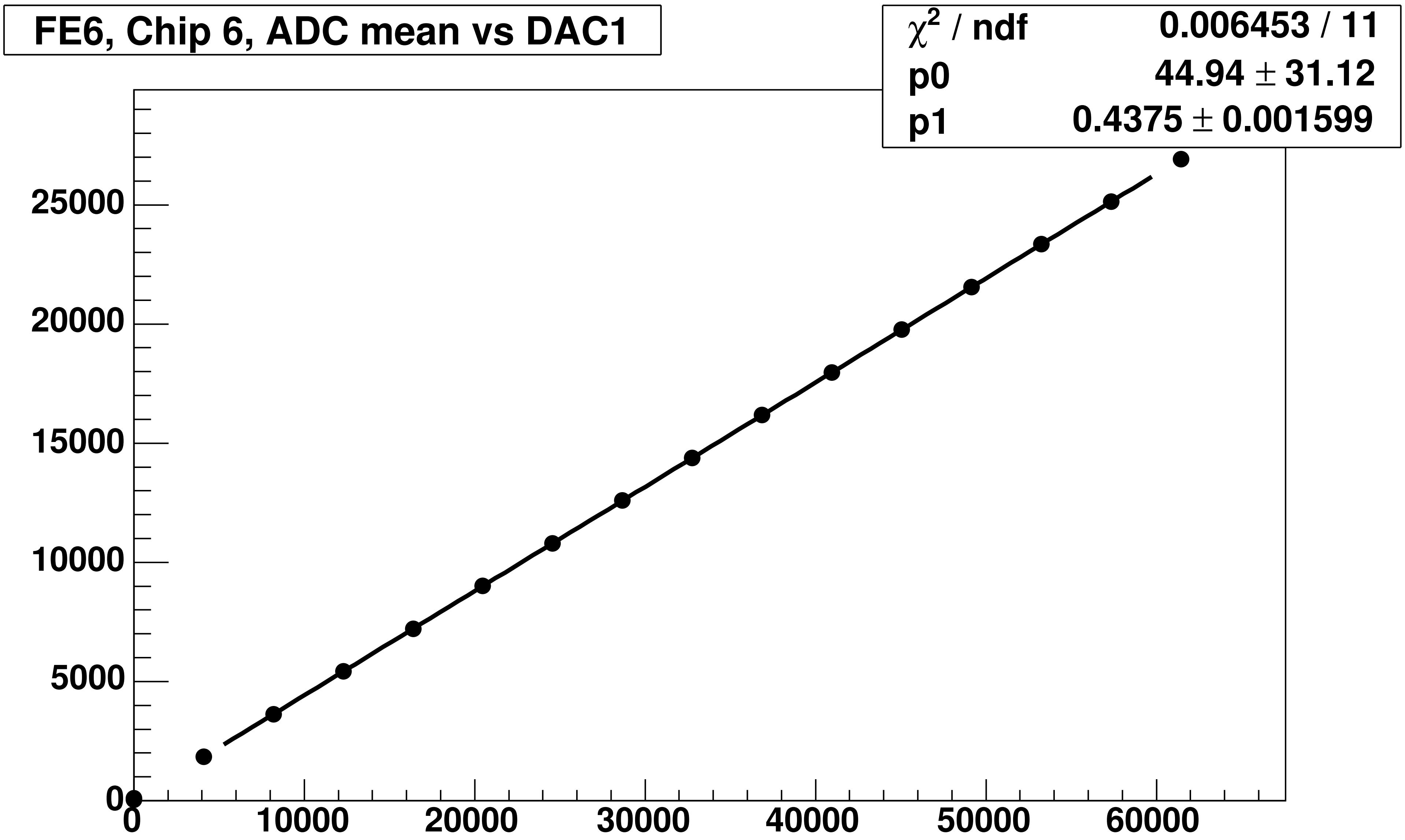

FE6, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 6, ADC mean vs DAC0
χ² / ndf 1.737e-05 / 11
p0 102 ± 41.99
p1 0.01412 ± 0.001893
0
200
400
600
800
1000
1200
10000
20000
30000
40000
50000
60000


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

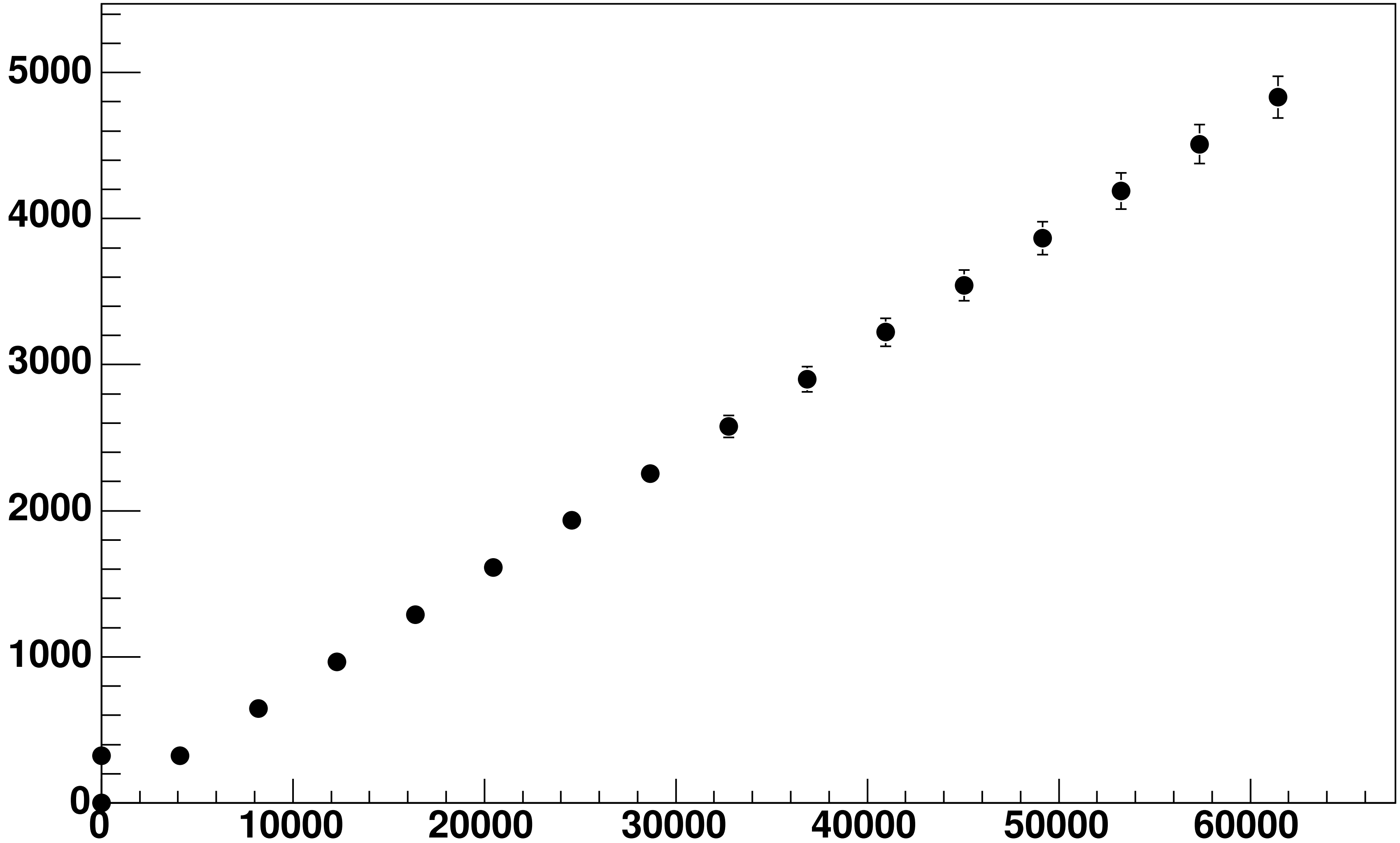


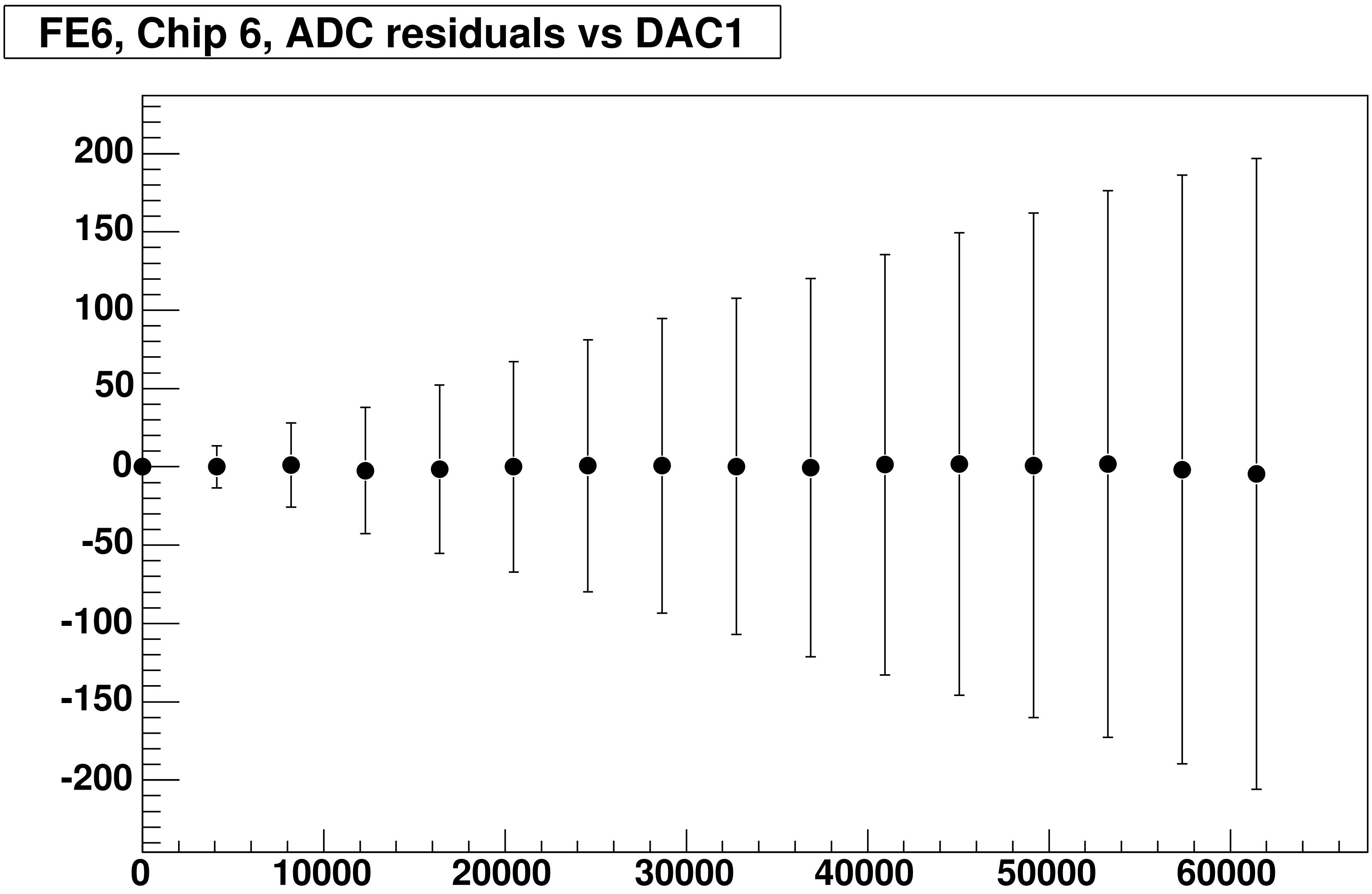
FE6, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

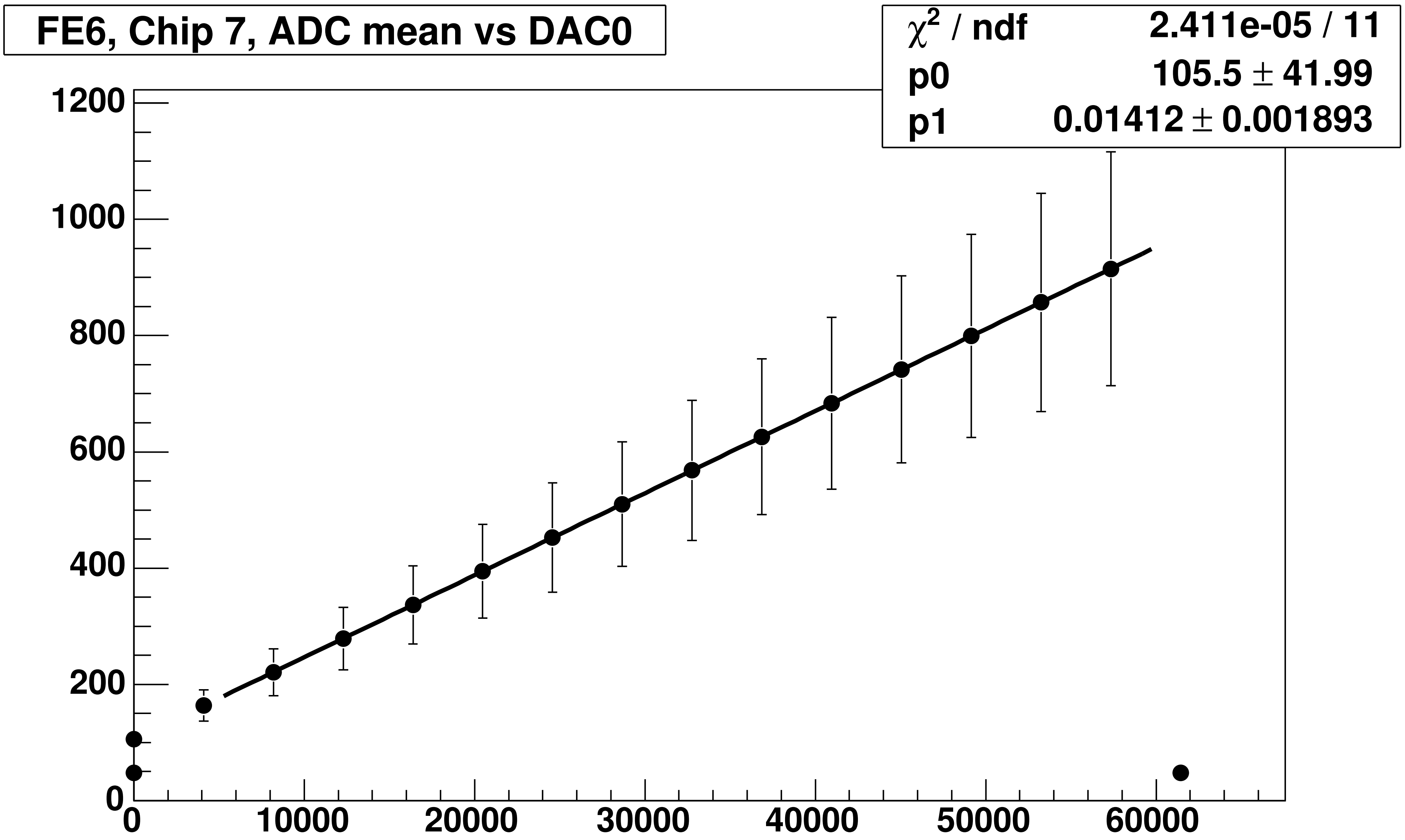


FE6, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.006453 / 11
p0 44.94 ± 31.12
p1 0.4375 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

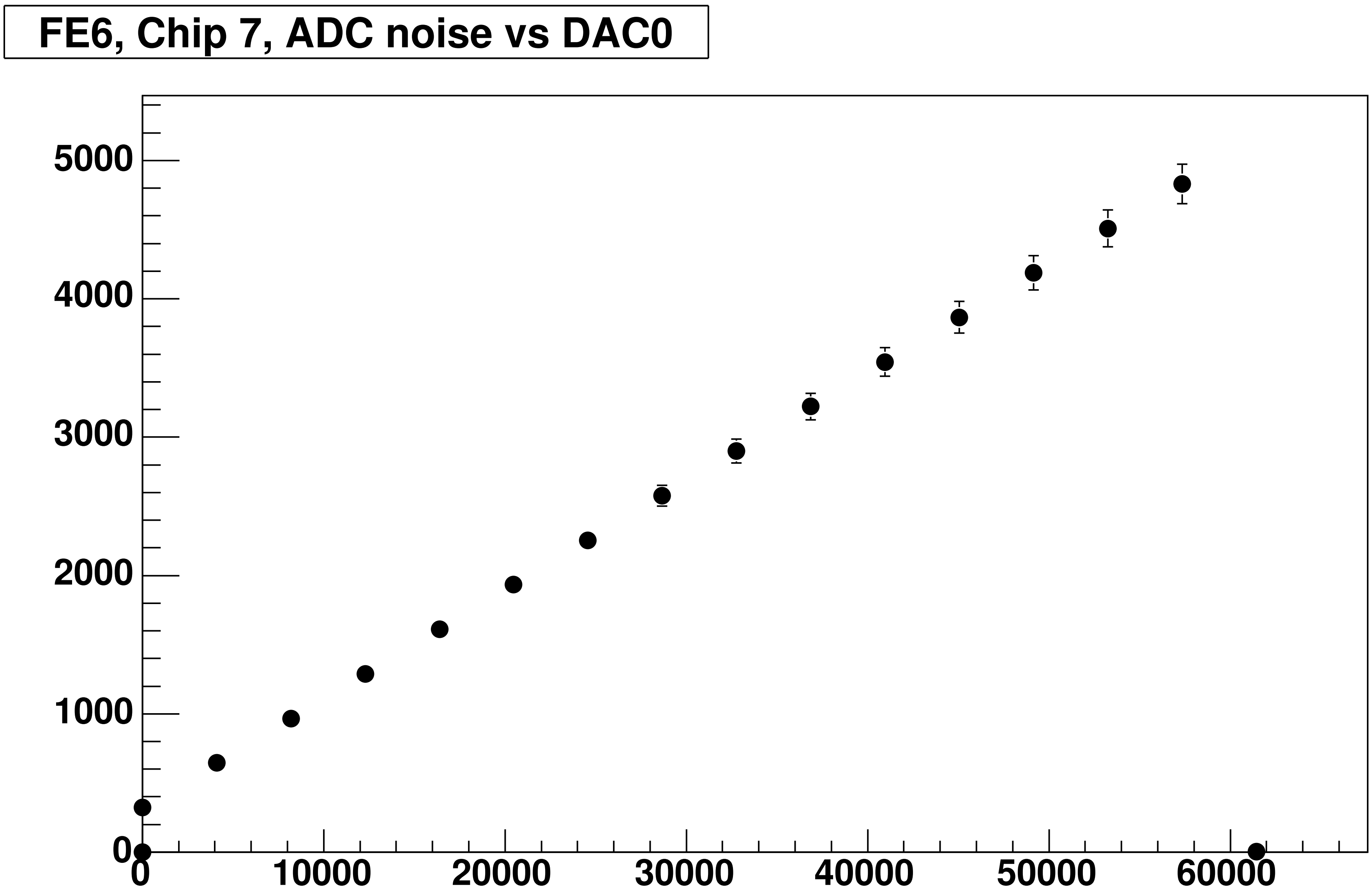
FE6, Chip 6, ADC noise vs DAC1

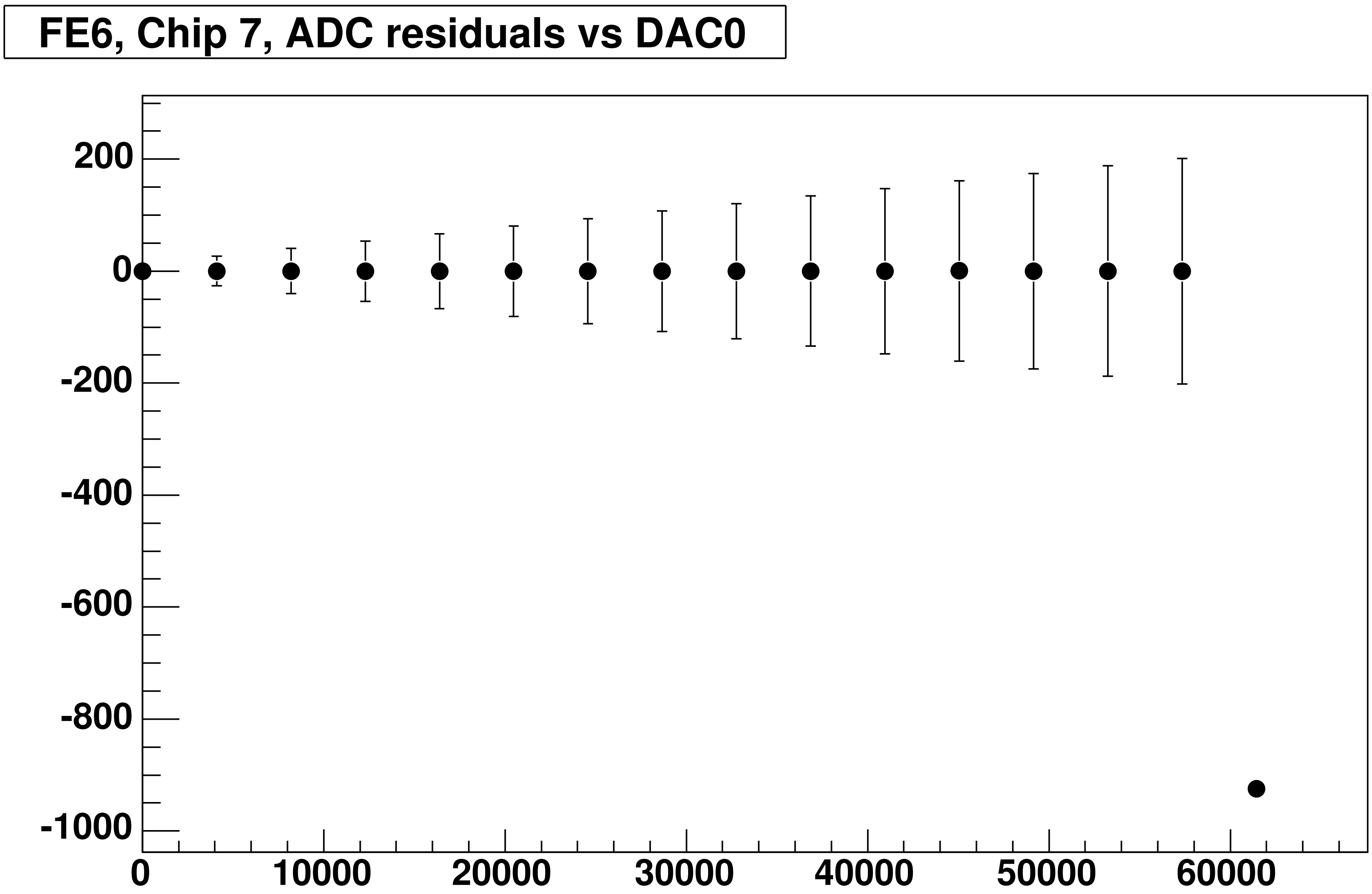



FE6, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

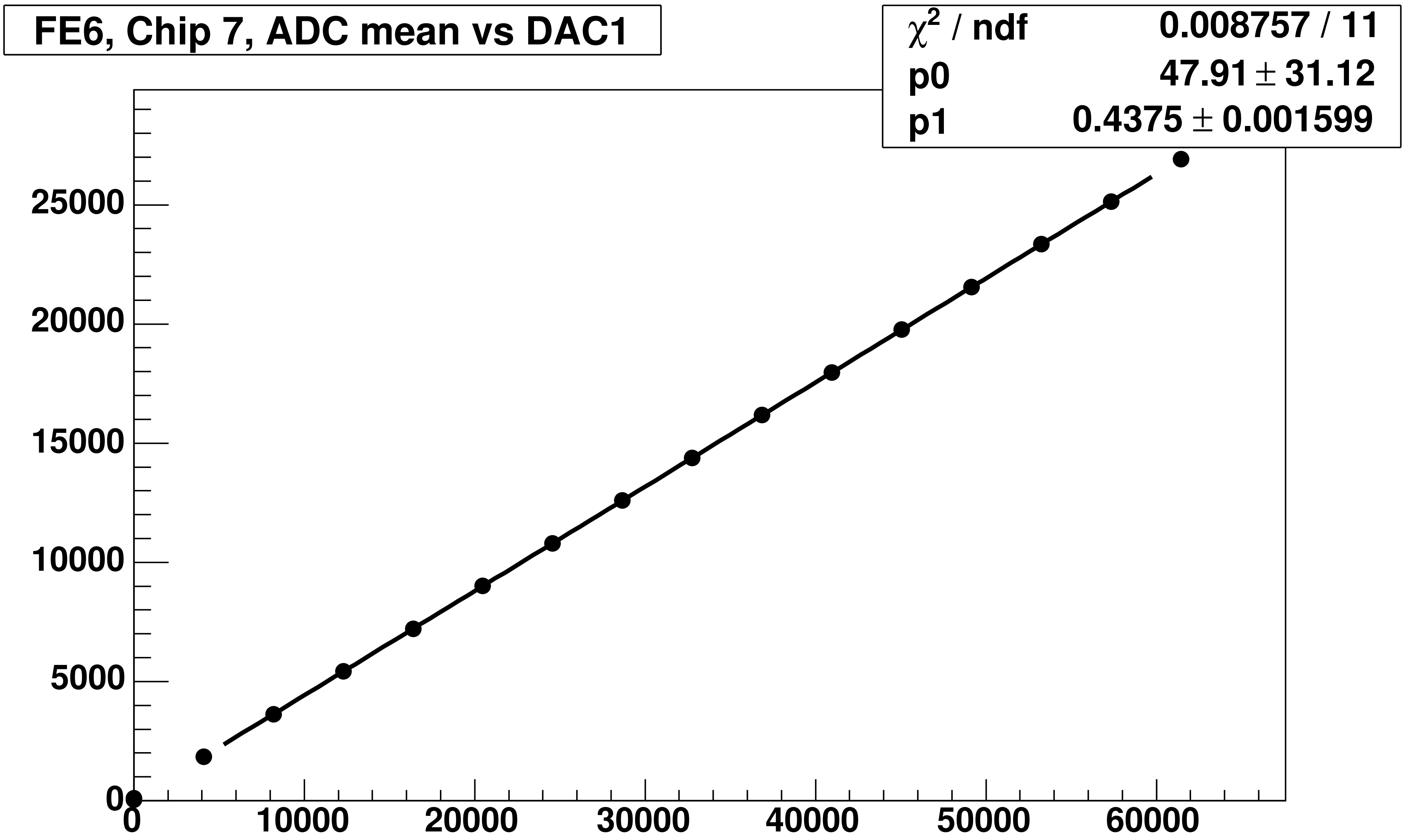


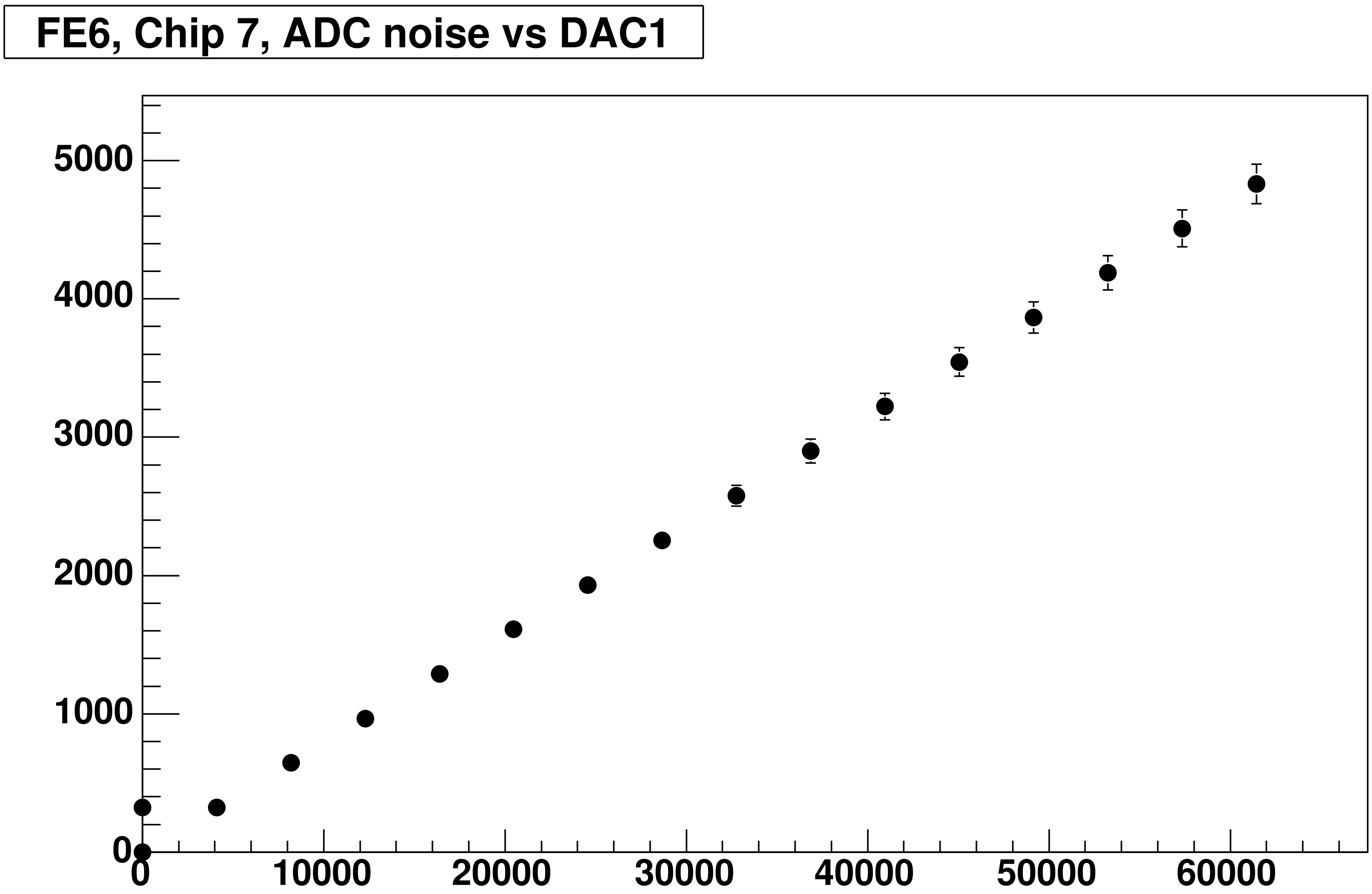
FE6, Chip 7, ADC mean vs DAC0
$\chi^2$ / ndf 2.411e-05 / 11
p0 105.5 ± 41.99
p1 0.01412 ± 0.001893
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

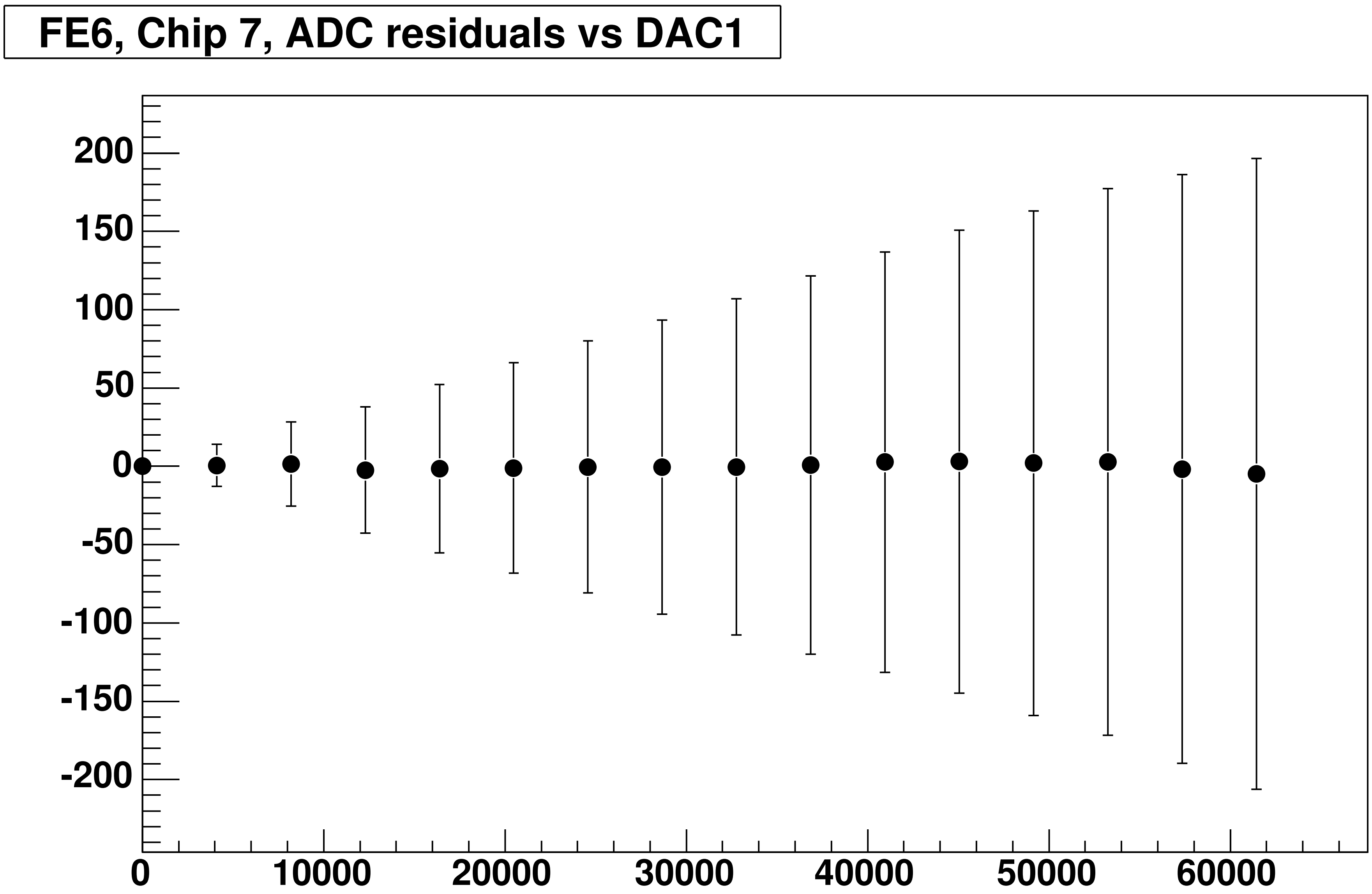

FE6, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

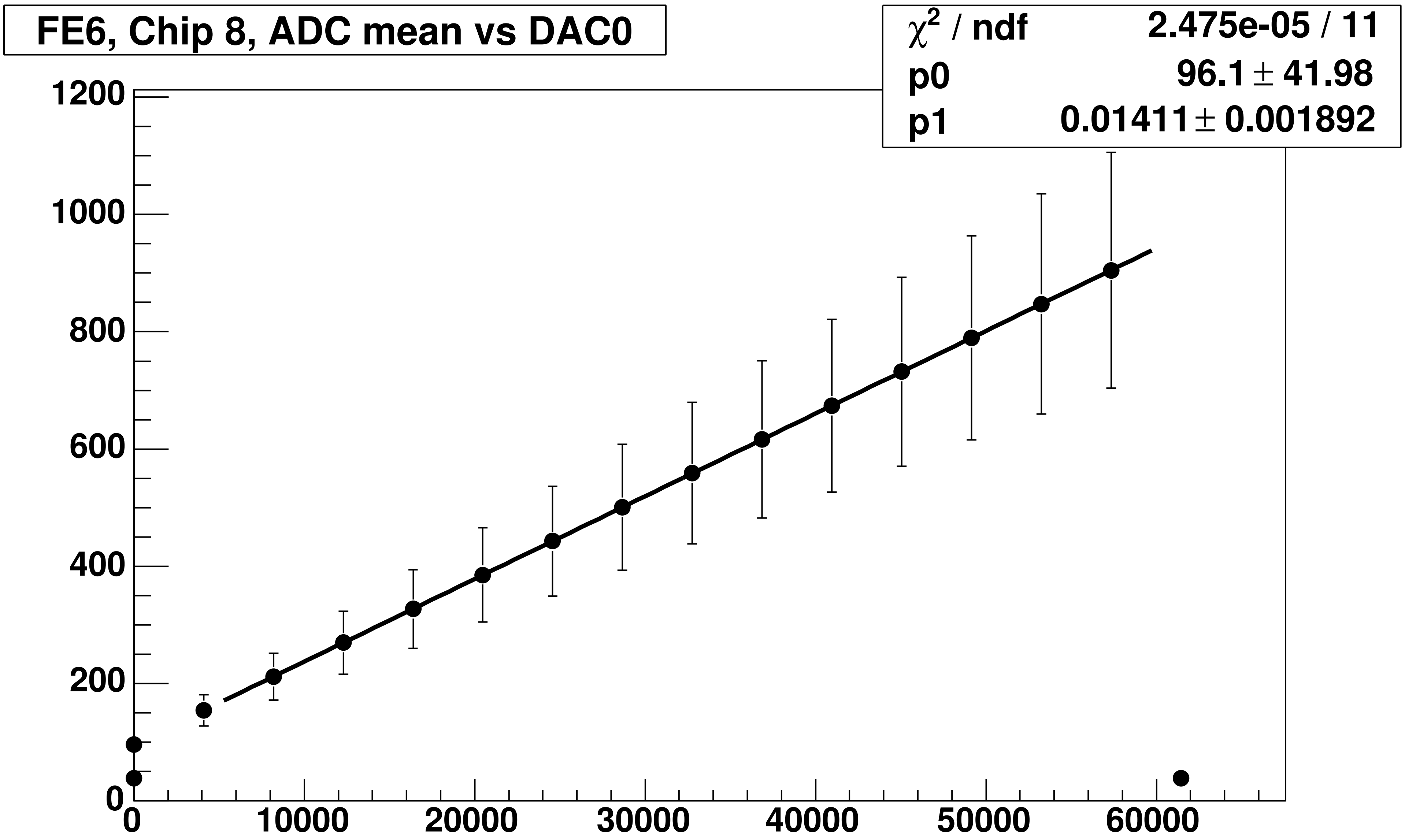


FE6, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

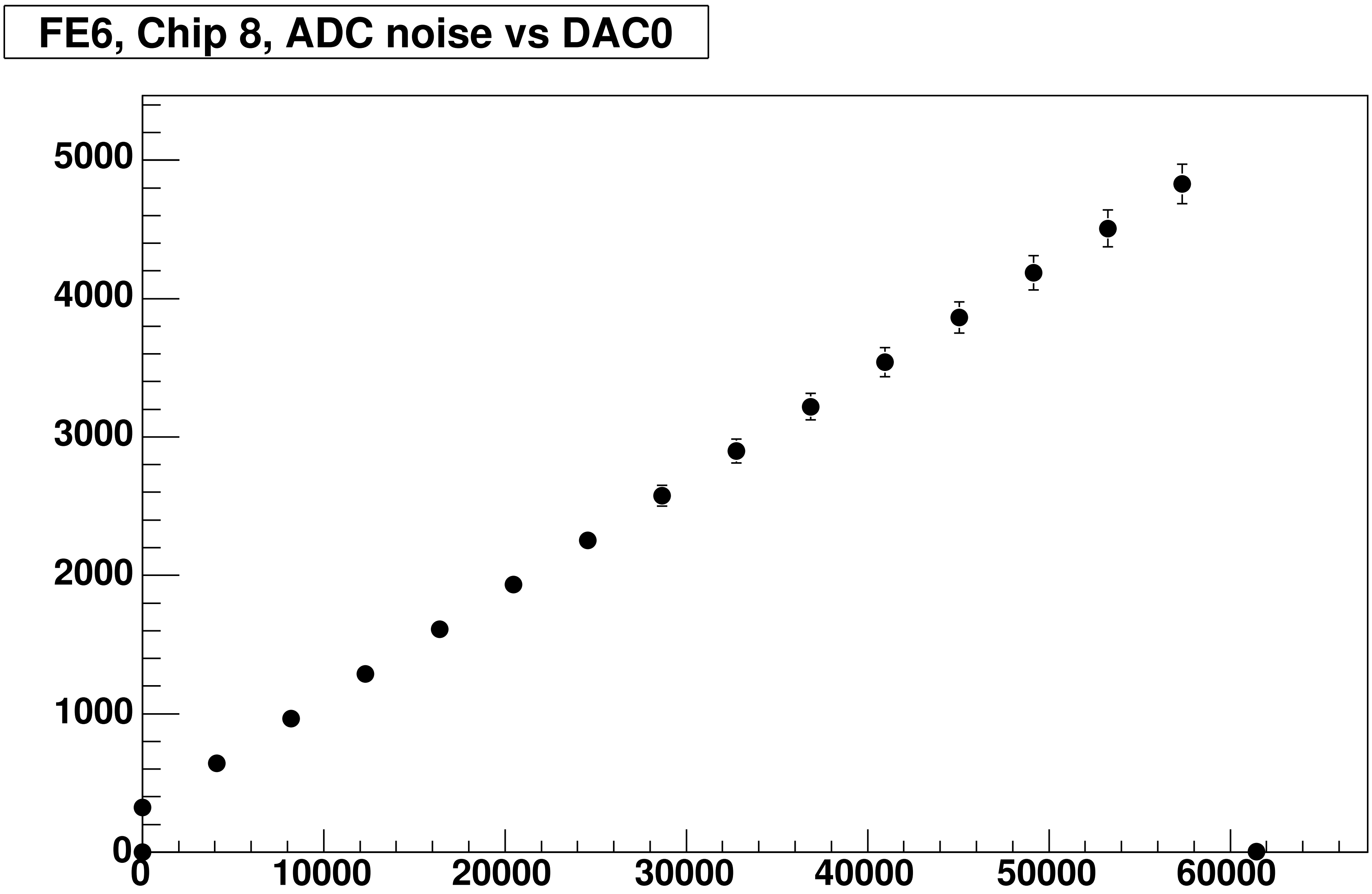

FE6, Chip 7, ADC mean vs DAC1
$\chi^2$ / ndf 0.008757 / 11
p0 47.91 ± 31.12
p1 0.4375 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

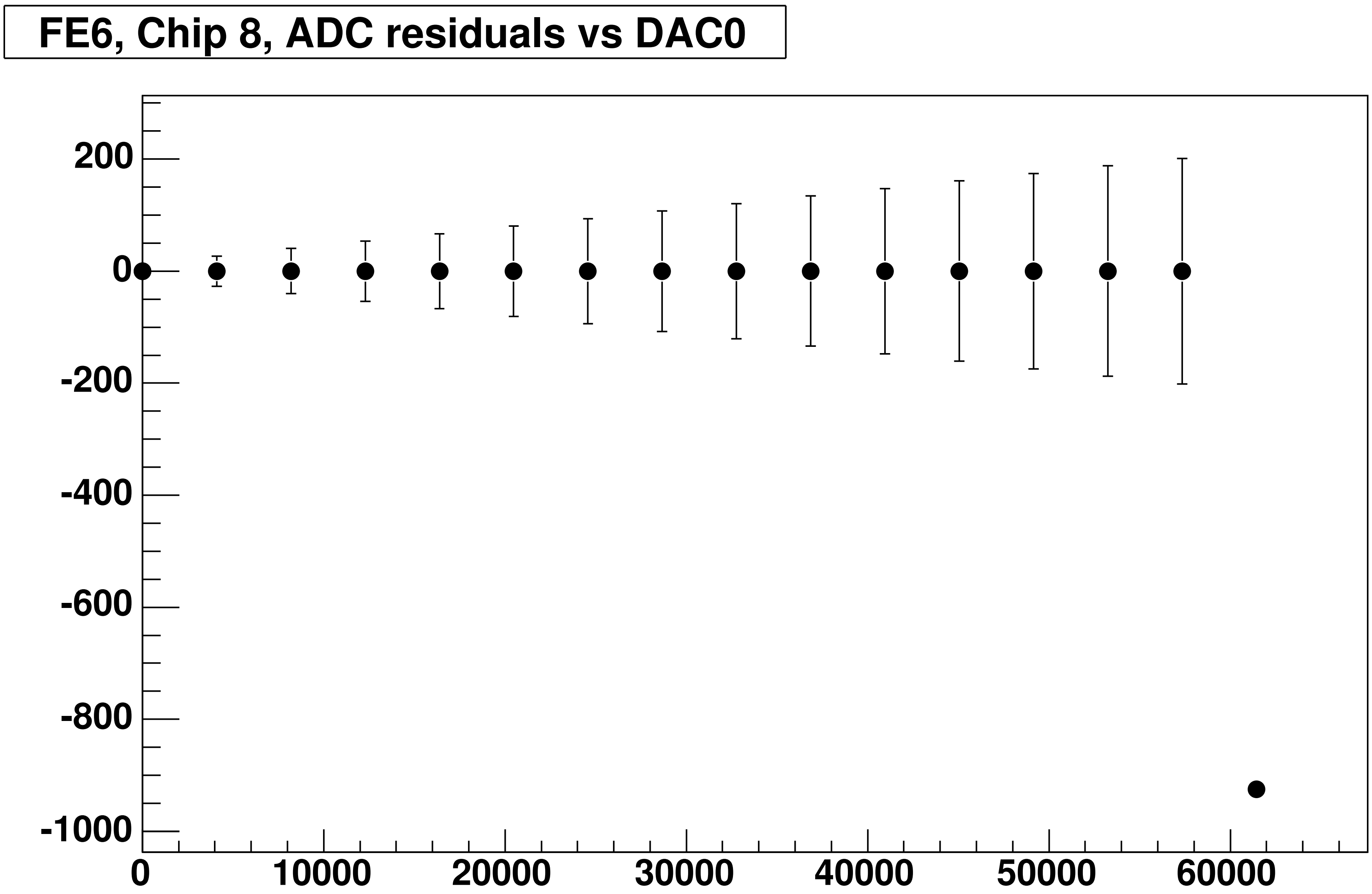

FE6, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

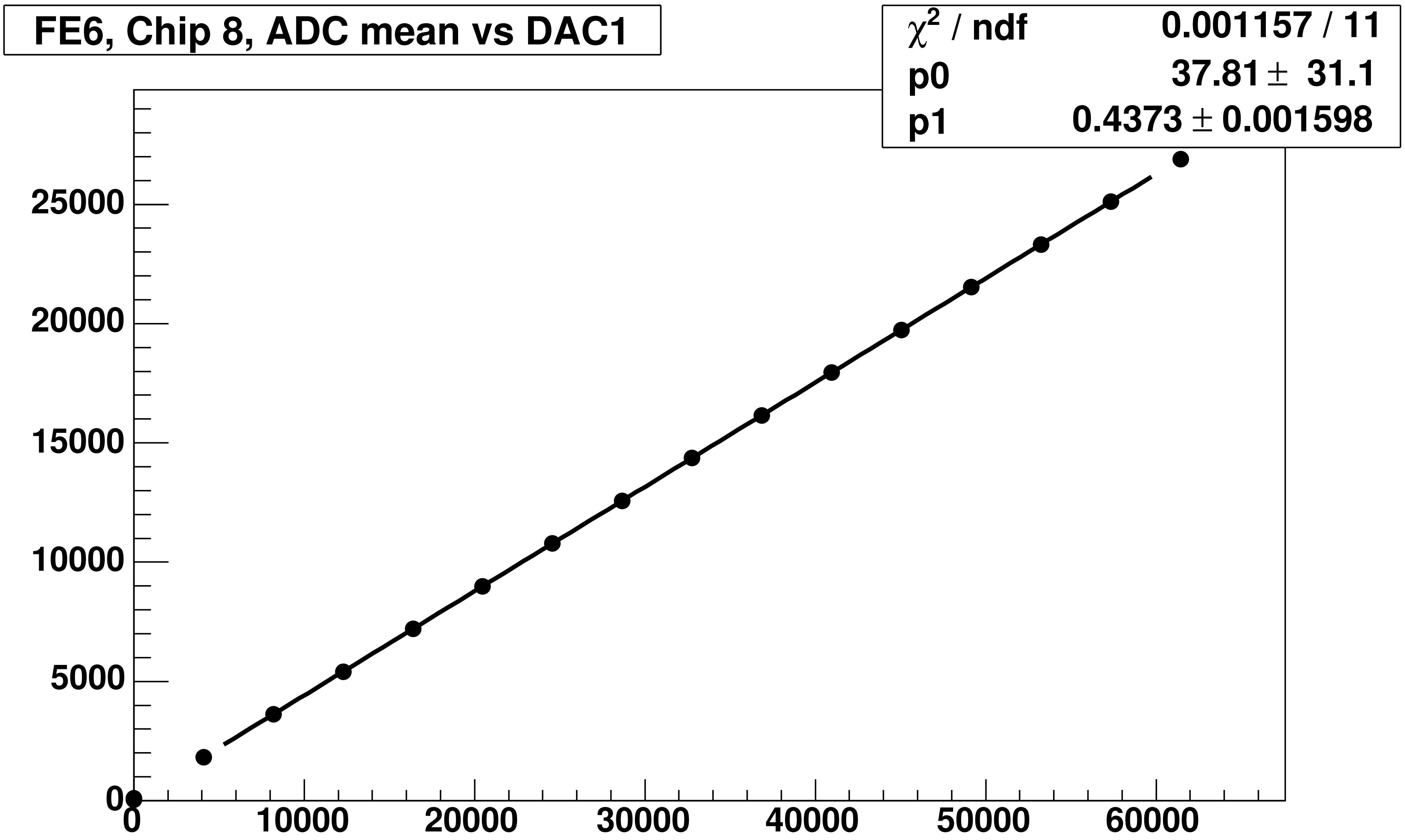


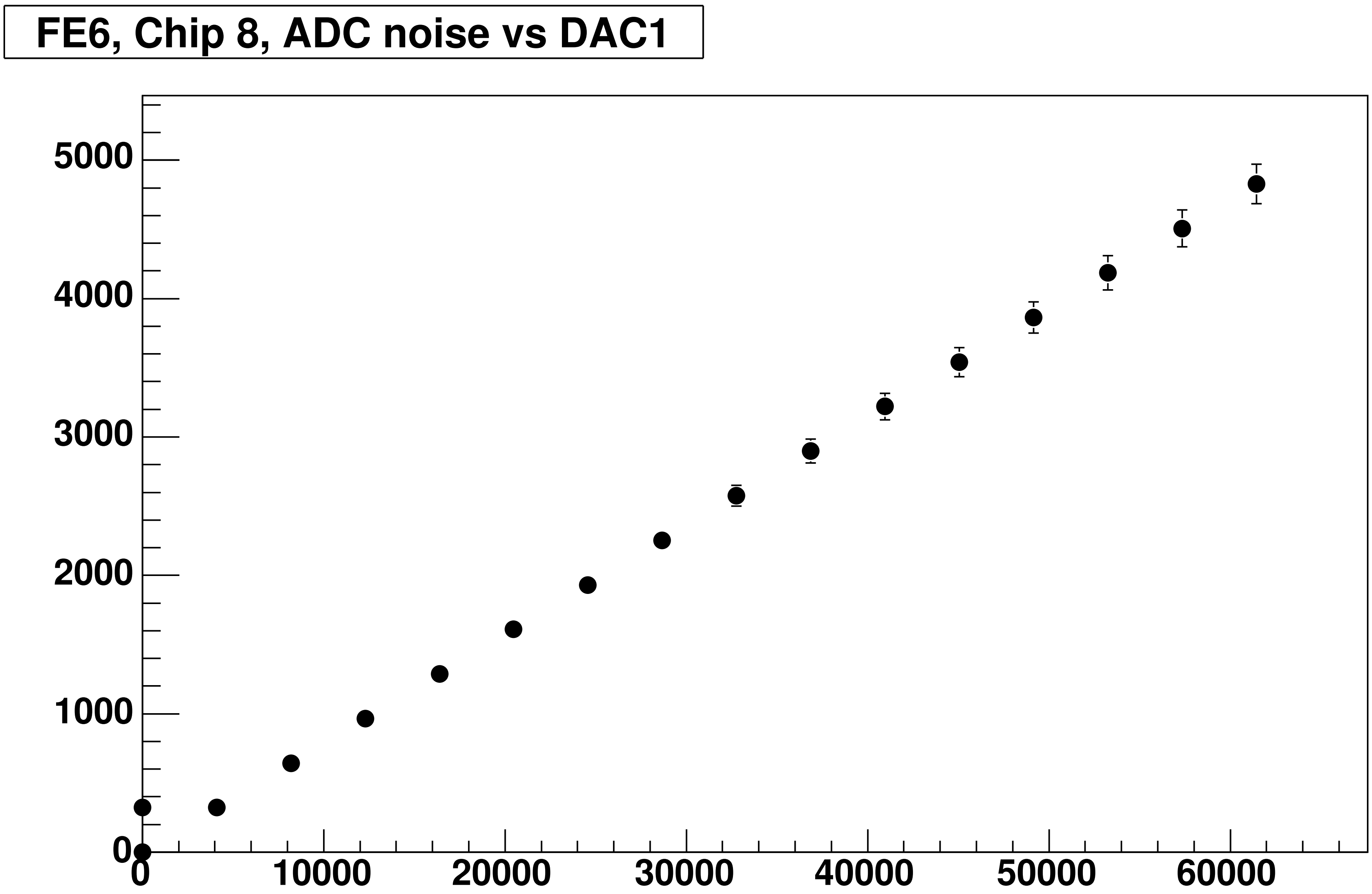
FE6, Chip 8, ADC mean vs DAC0
χ² / ndf 2.475e-05 / 11
p0 96.1 ± 41.98
p1 0.01411 ± 0.001892
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

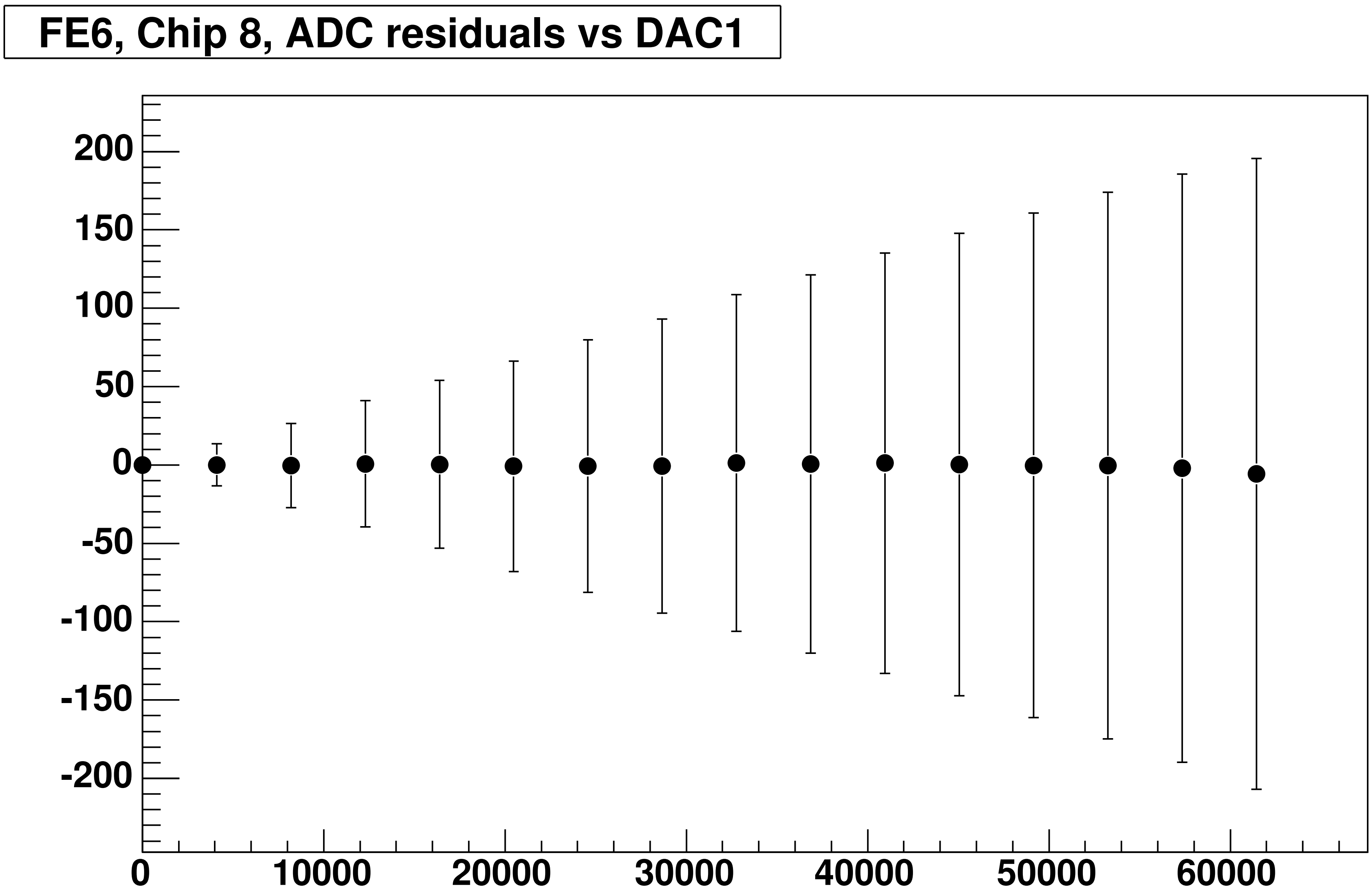

FE6, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

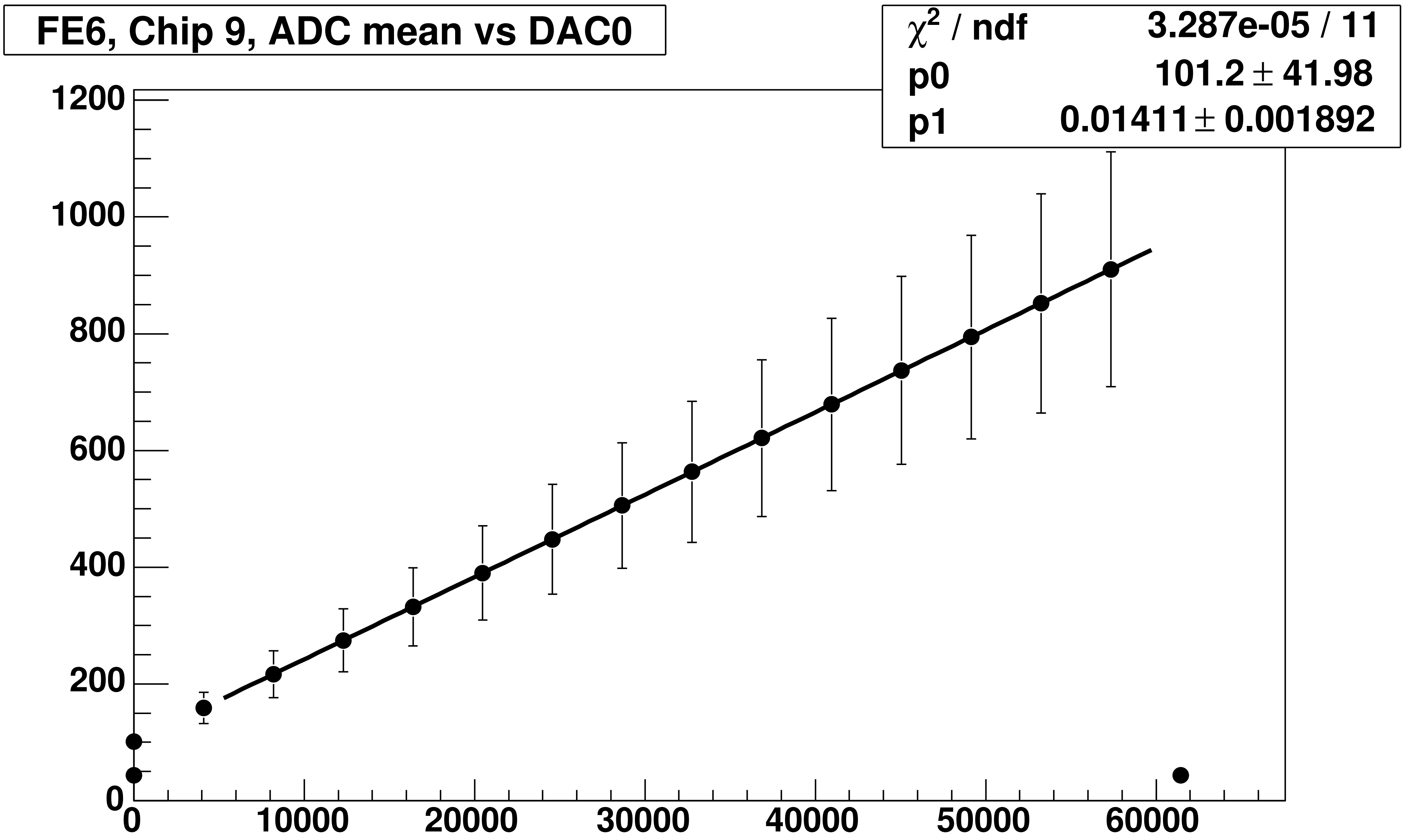


FE6, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

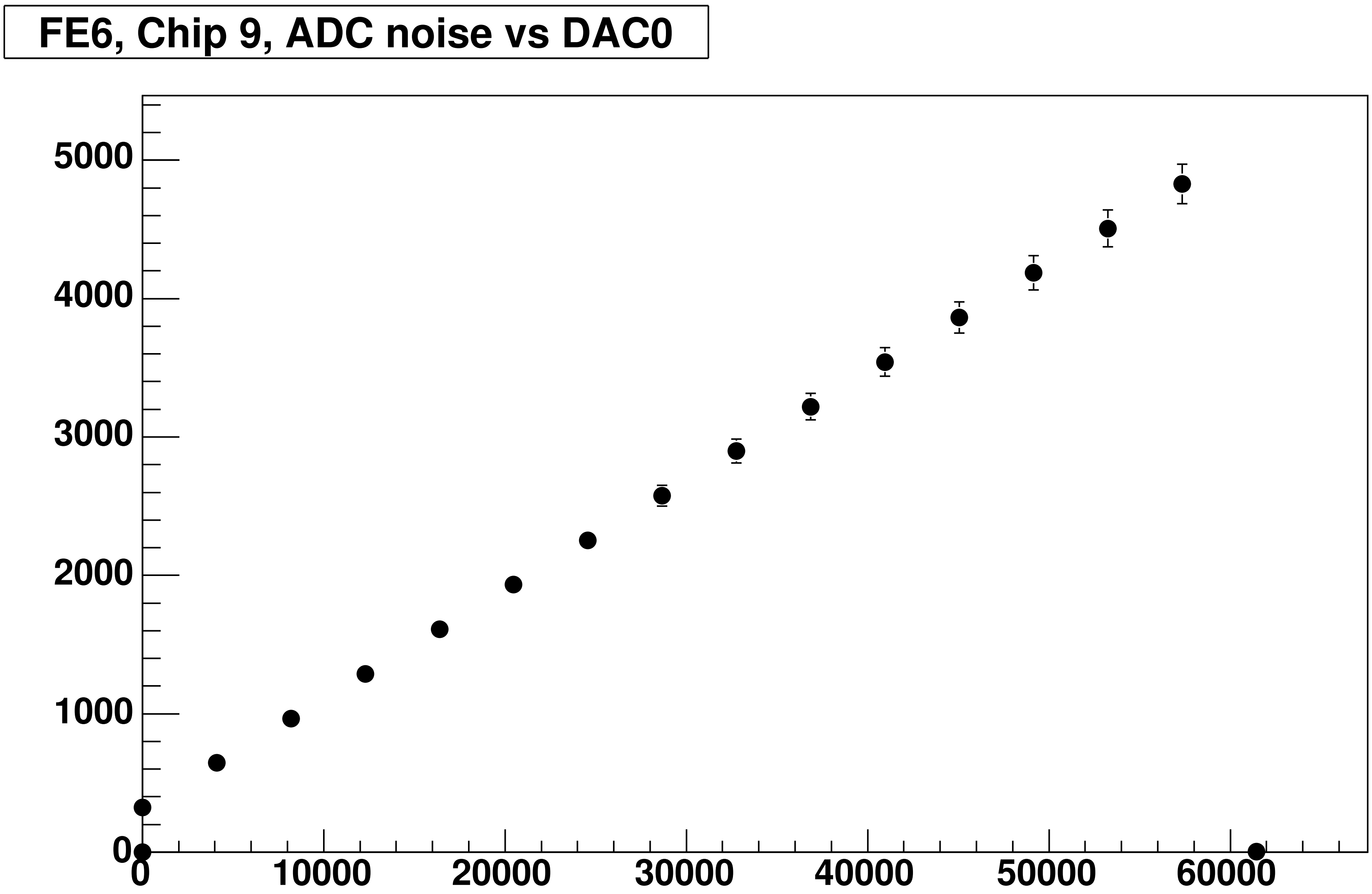

FE6, Chip 8, ADC mean vs DAC1
χ2 / ndf 0.001157 / 11
p0 37.81 ± 31.1
p1 0.4373 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

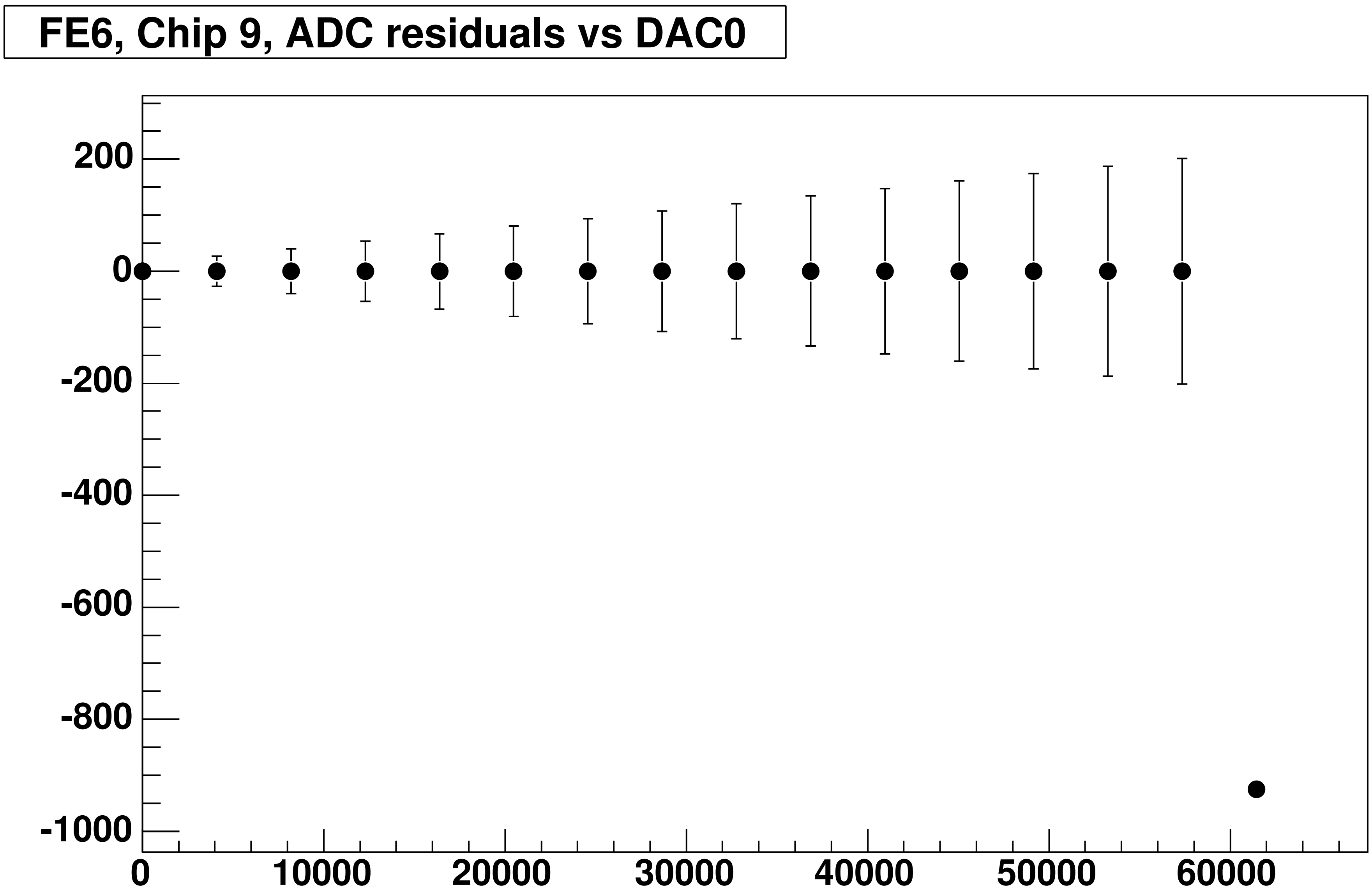

FE6, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

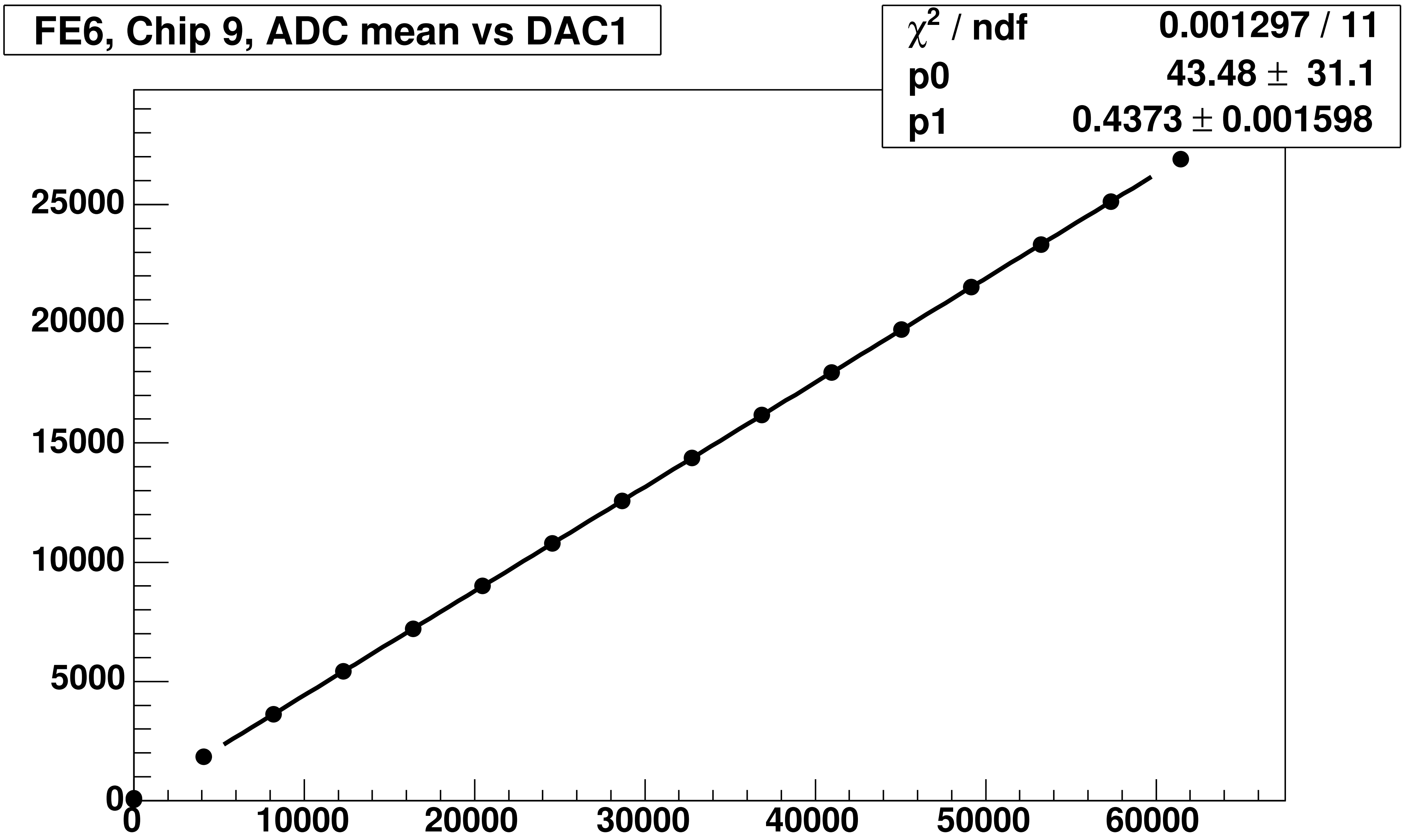

FE6, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



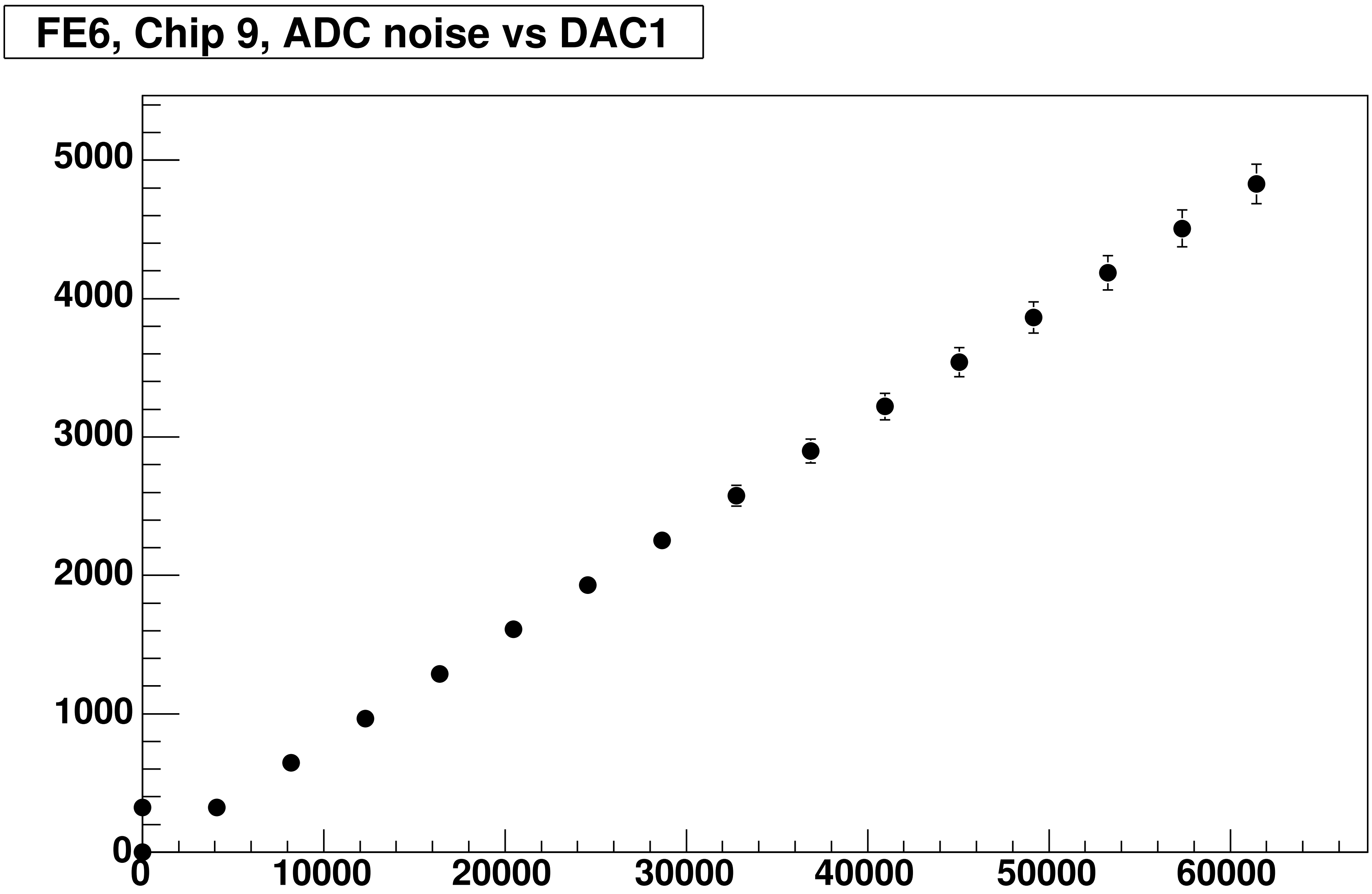
FE6, Chip 9, ADC mean vs DAC0
$\chi^2$ / ndf 3.287e-05 / 11
p0 101.2 ± 41.98
p1 0.01411 ± 0.001892
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

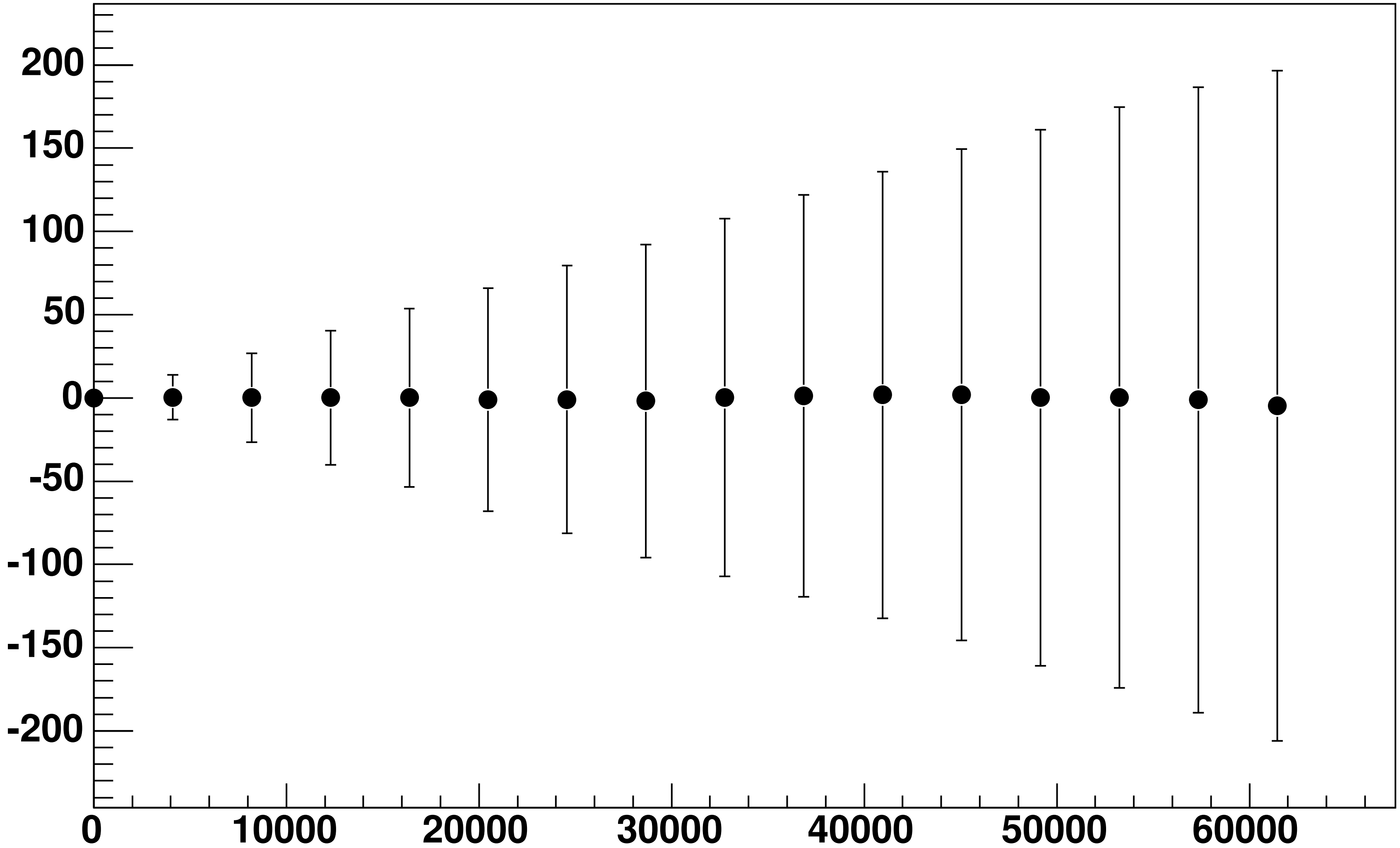


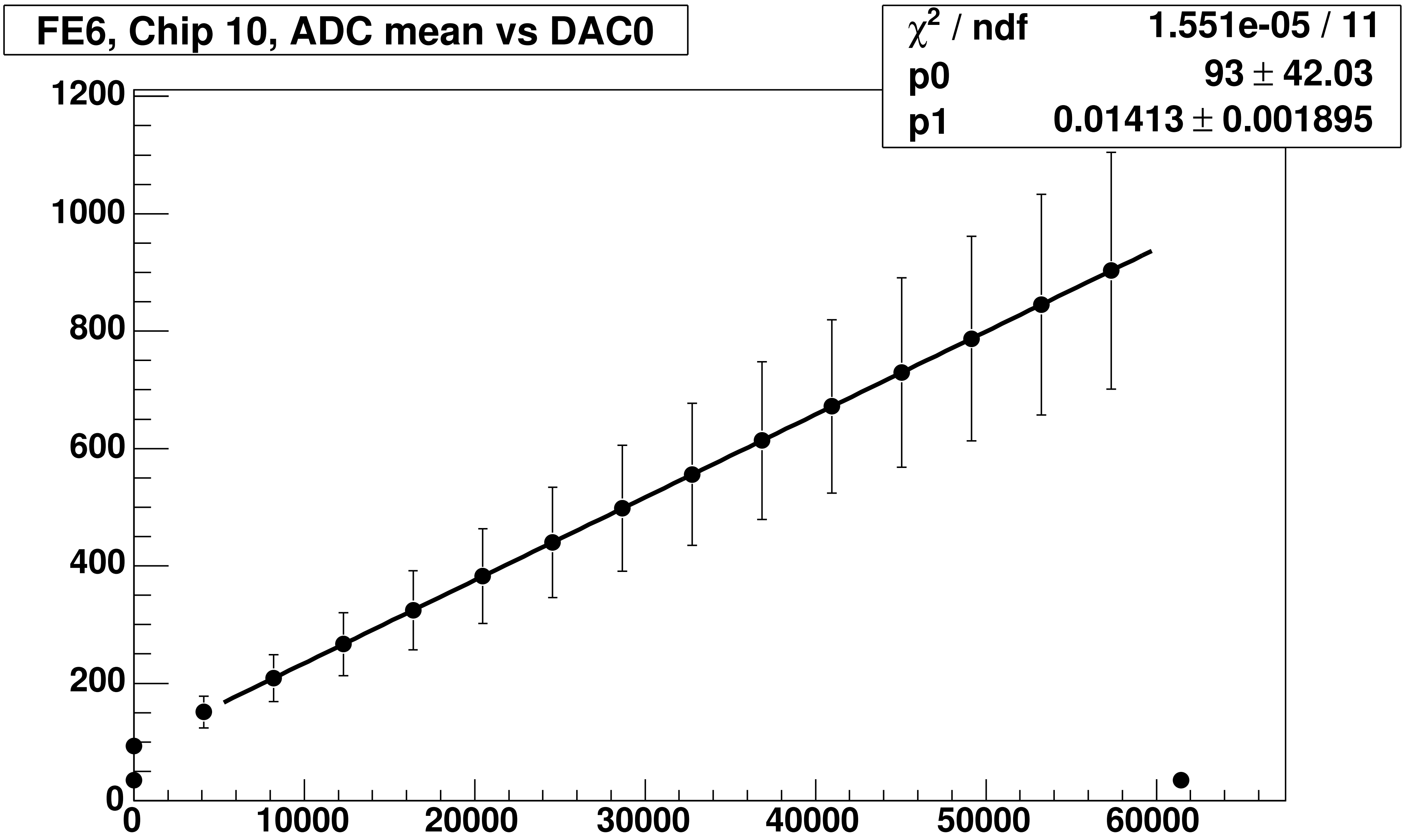
FE6, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.001297 / 11
p0 43.48 ± 31.1
p1 0.4373 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



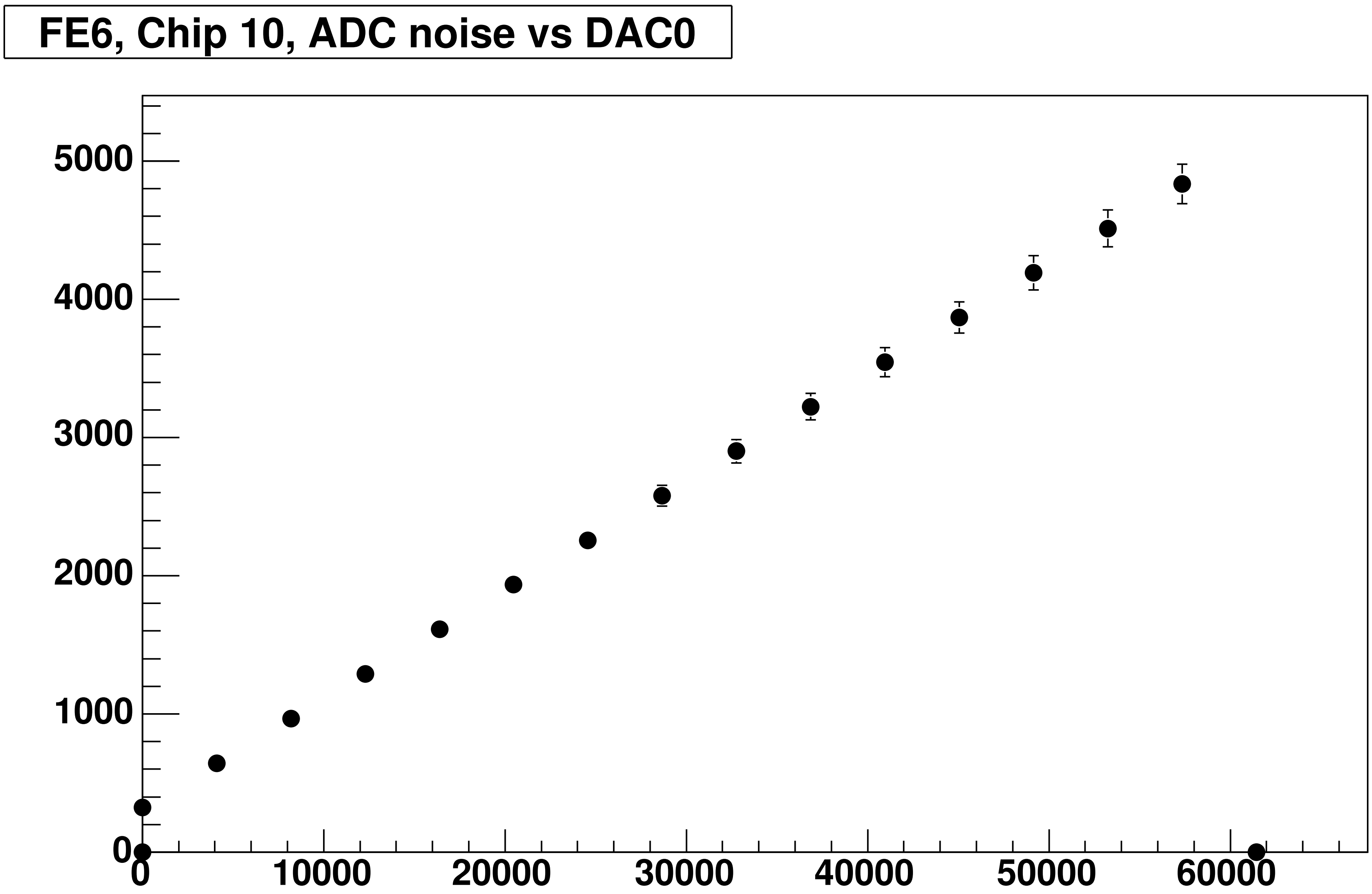
FE6, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

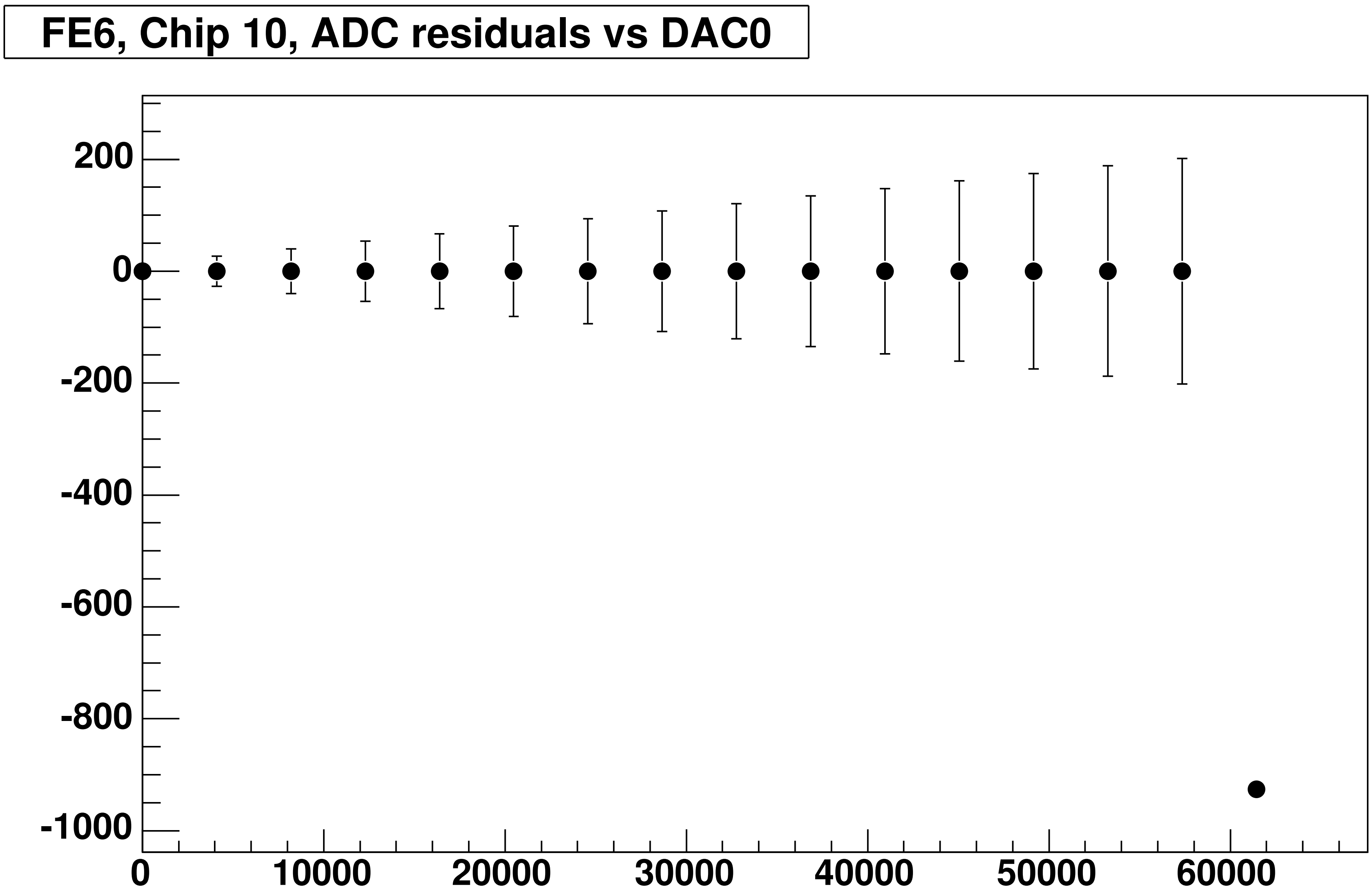
FE6, Chip 9, ADC residuals vs DAC1

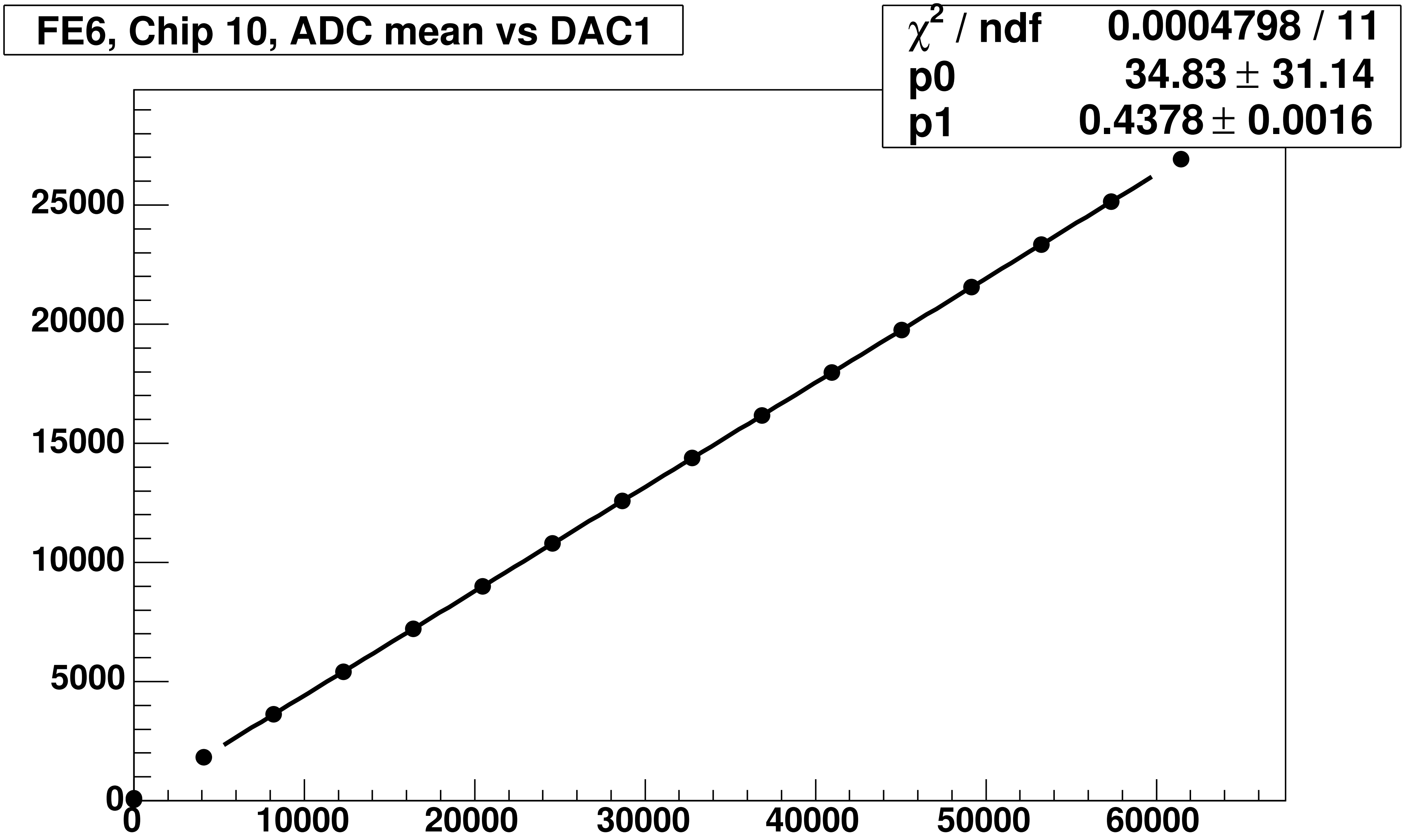




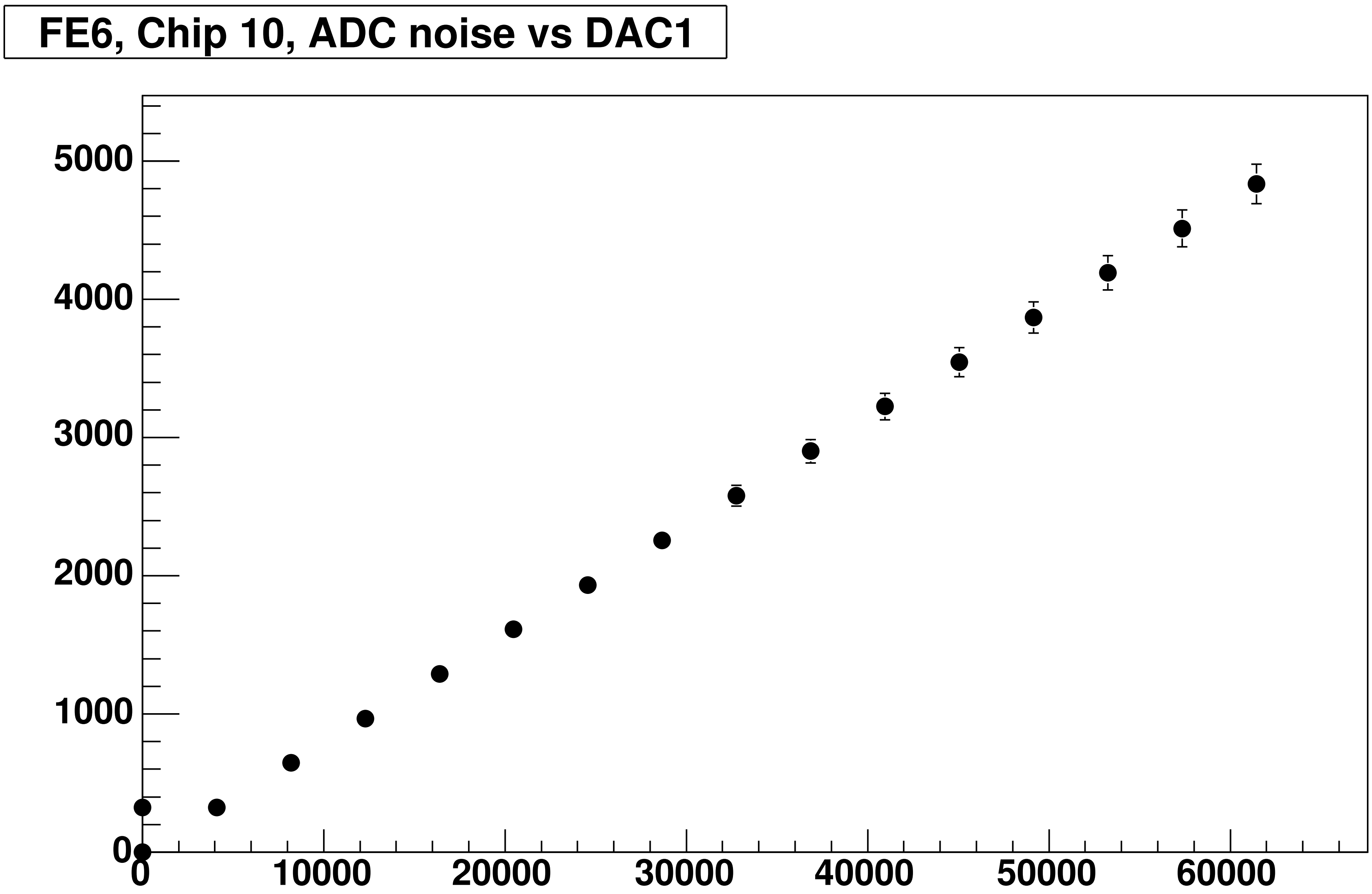
FE6, Chip 10, ADC mean vs DAC0
$\chi^2$ / ndf 1.551e-05 / 11
p0 93 ± 42.03
p1 0.01413 ± 0.001895
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

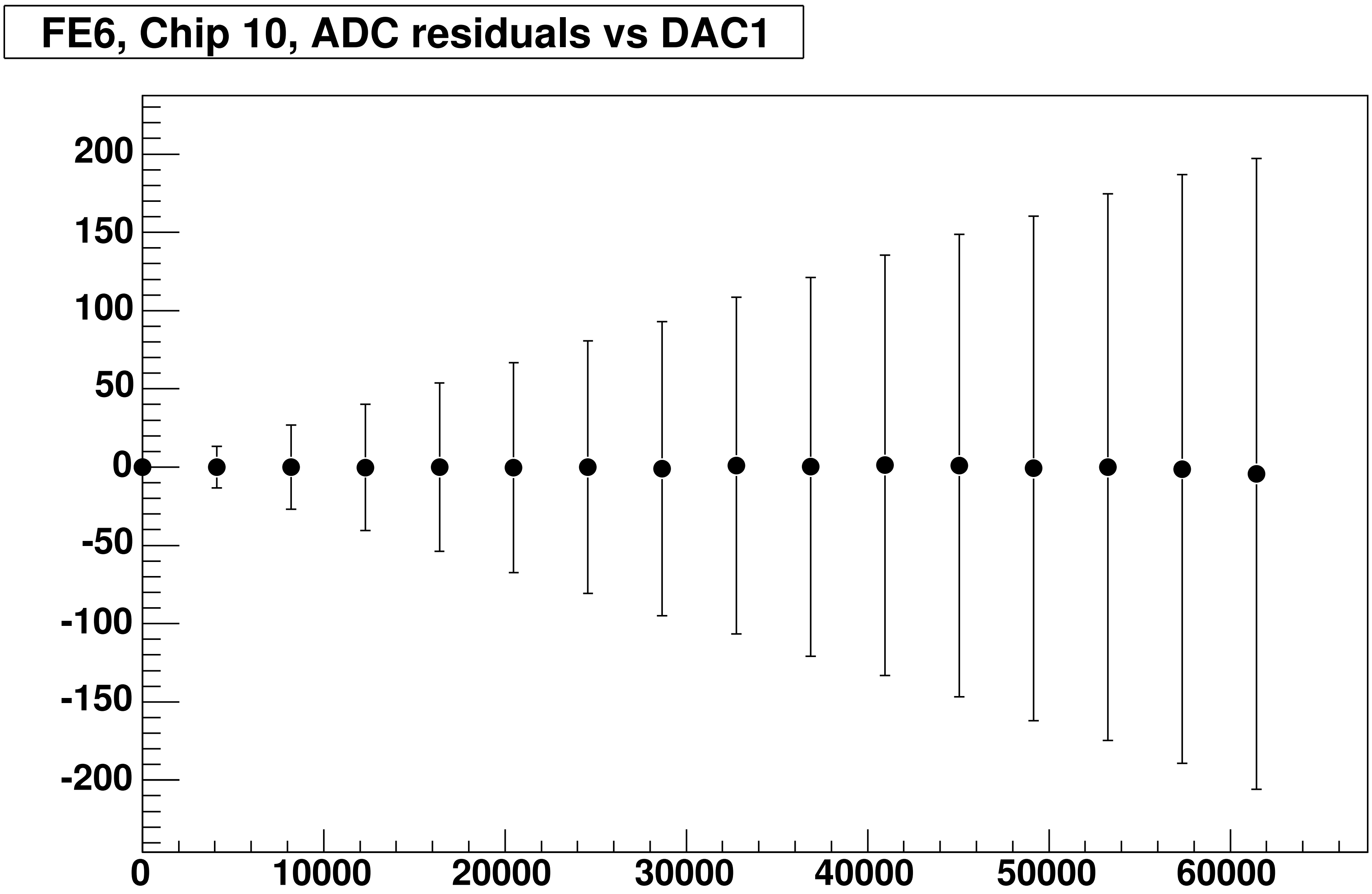

FE6, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

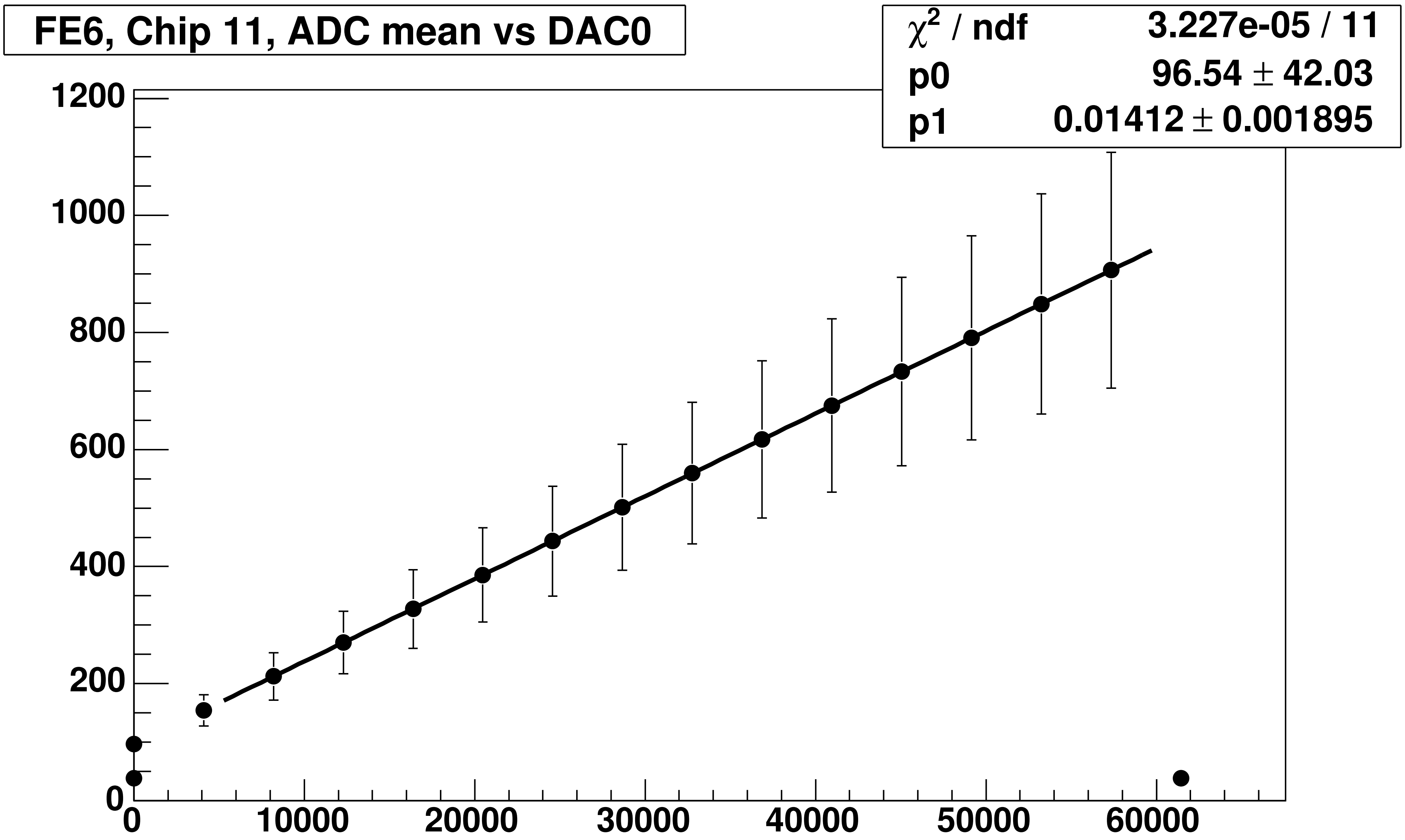

FE6, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



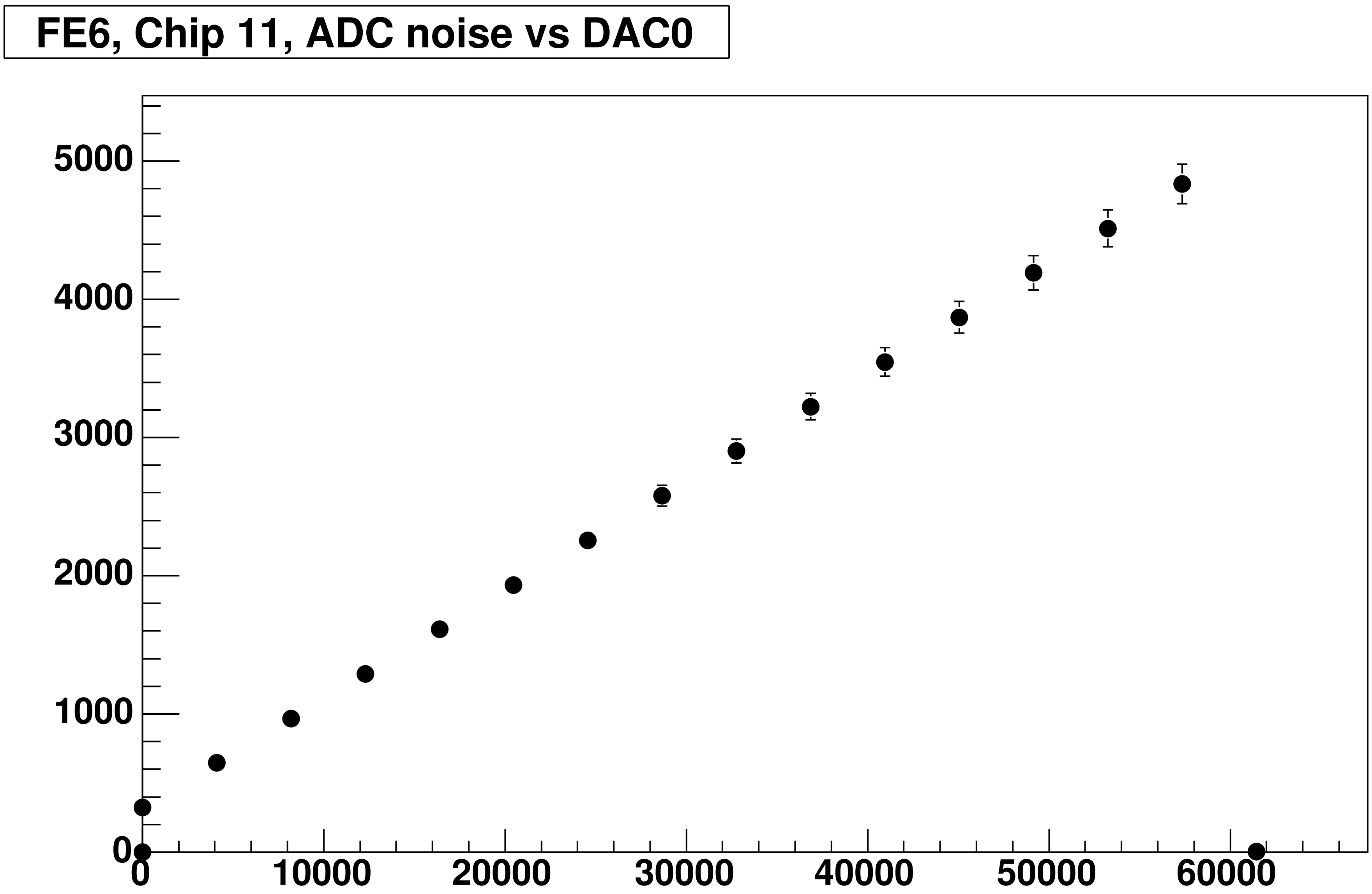
FE6, Chip 10, ADC mean vs DAC1
$\chi^2$ / ndf 0.0004798 / 11
p0 34.83 ± 31.14
p1 0.4378 ± 0.0016
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

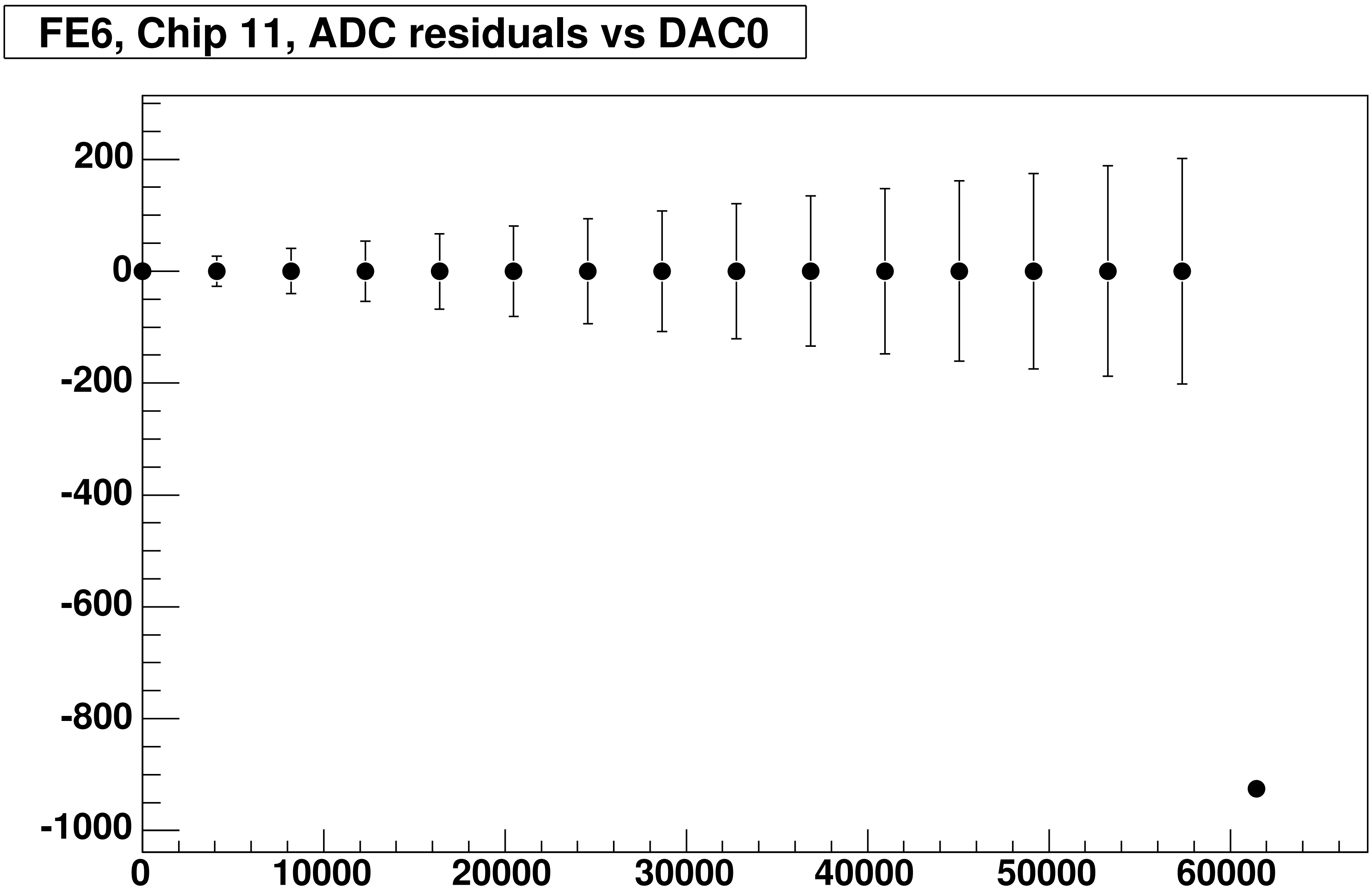

FE6, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

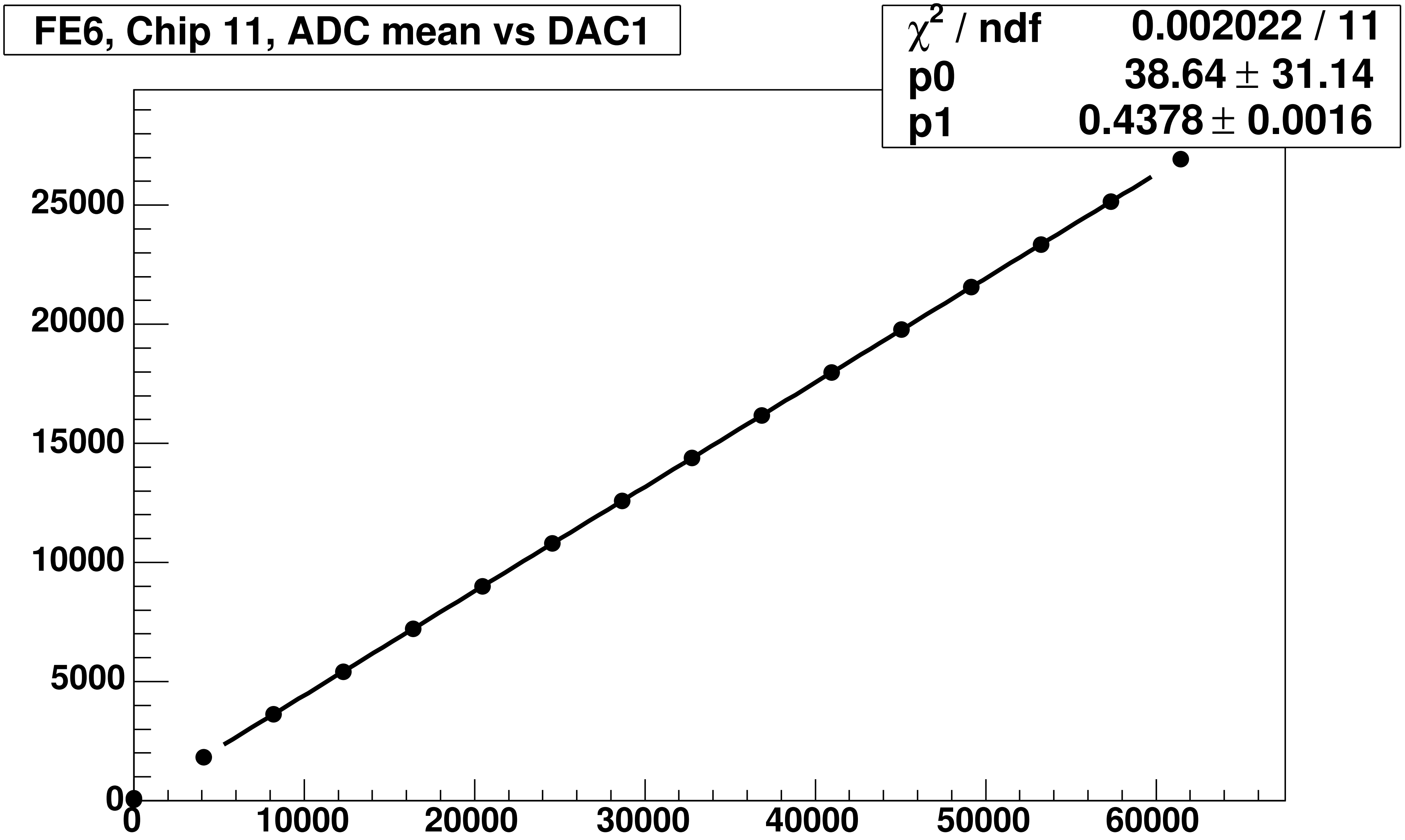

FE6, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

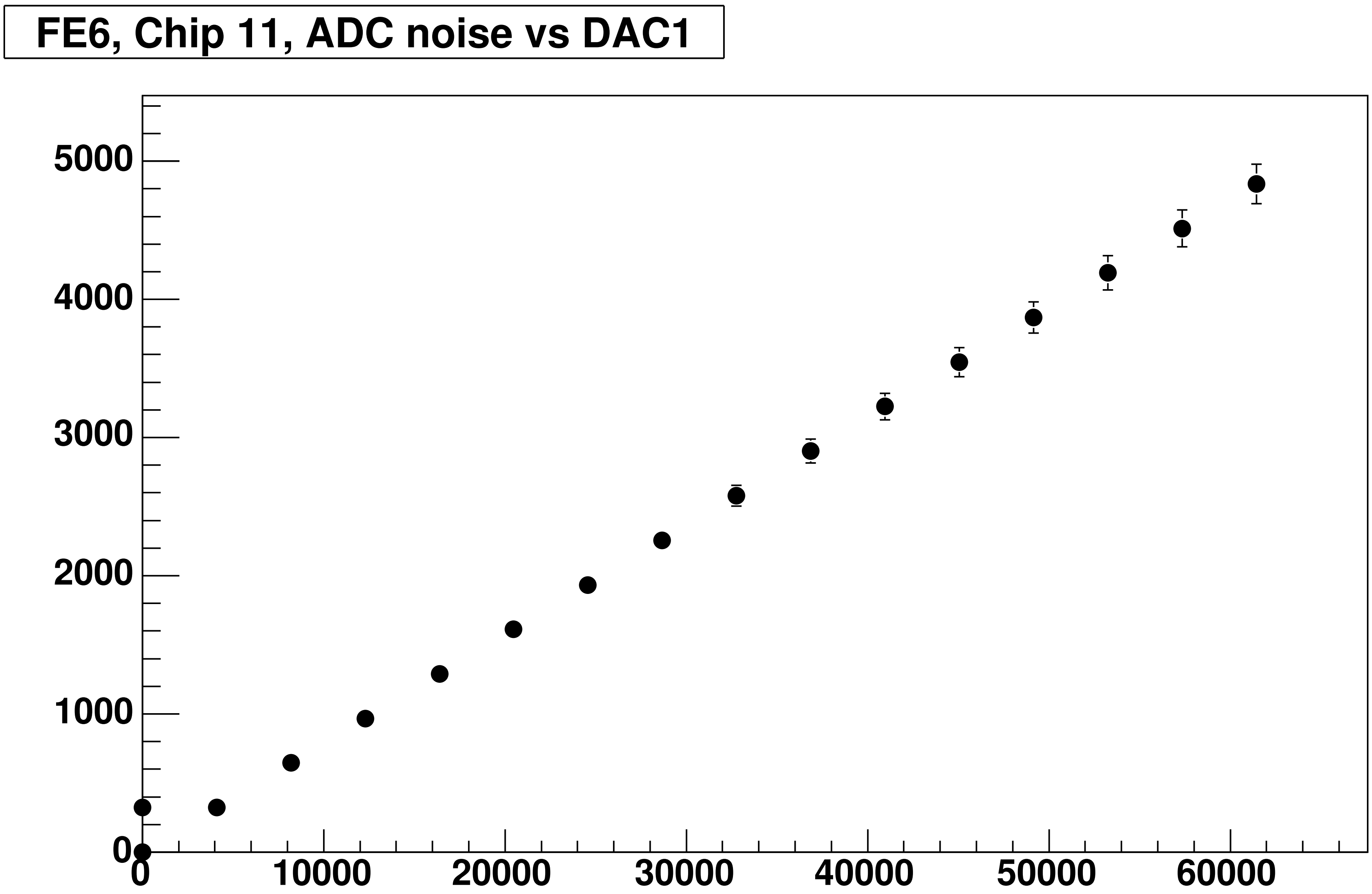


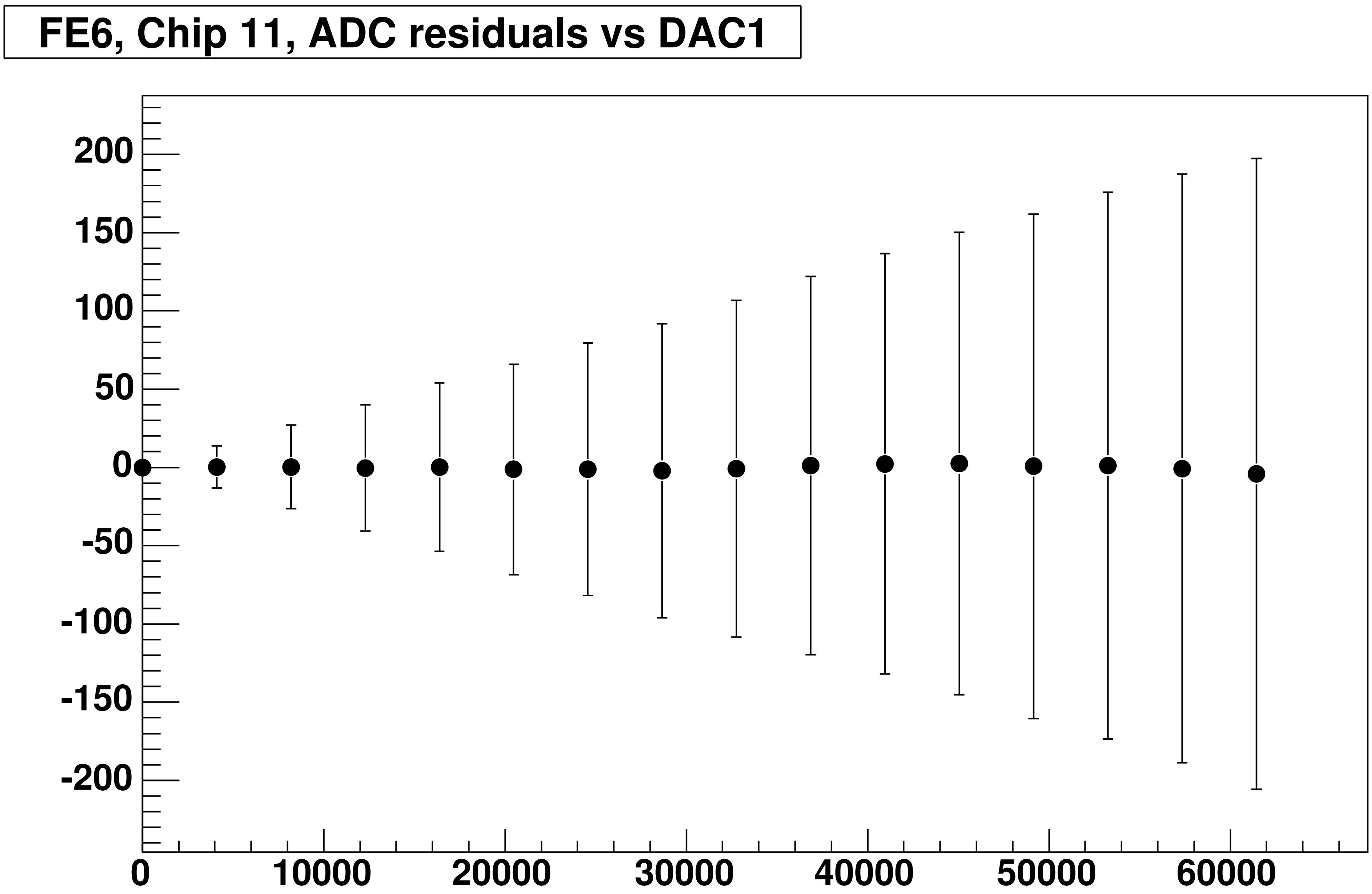
FE6, Chip 11, ADC mean vs DAC0
χ² / ndf 3.227e-05 / 11
p0 96.54 ± 42.03
p1 0.01412 ± 0.001895
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

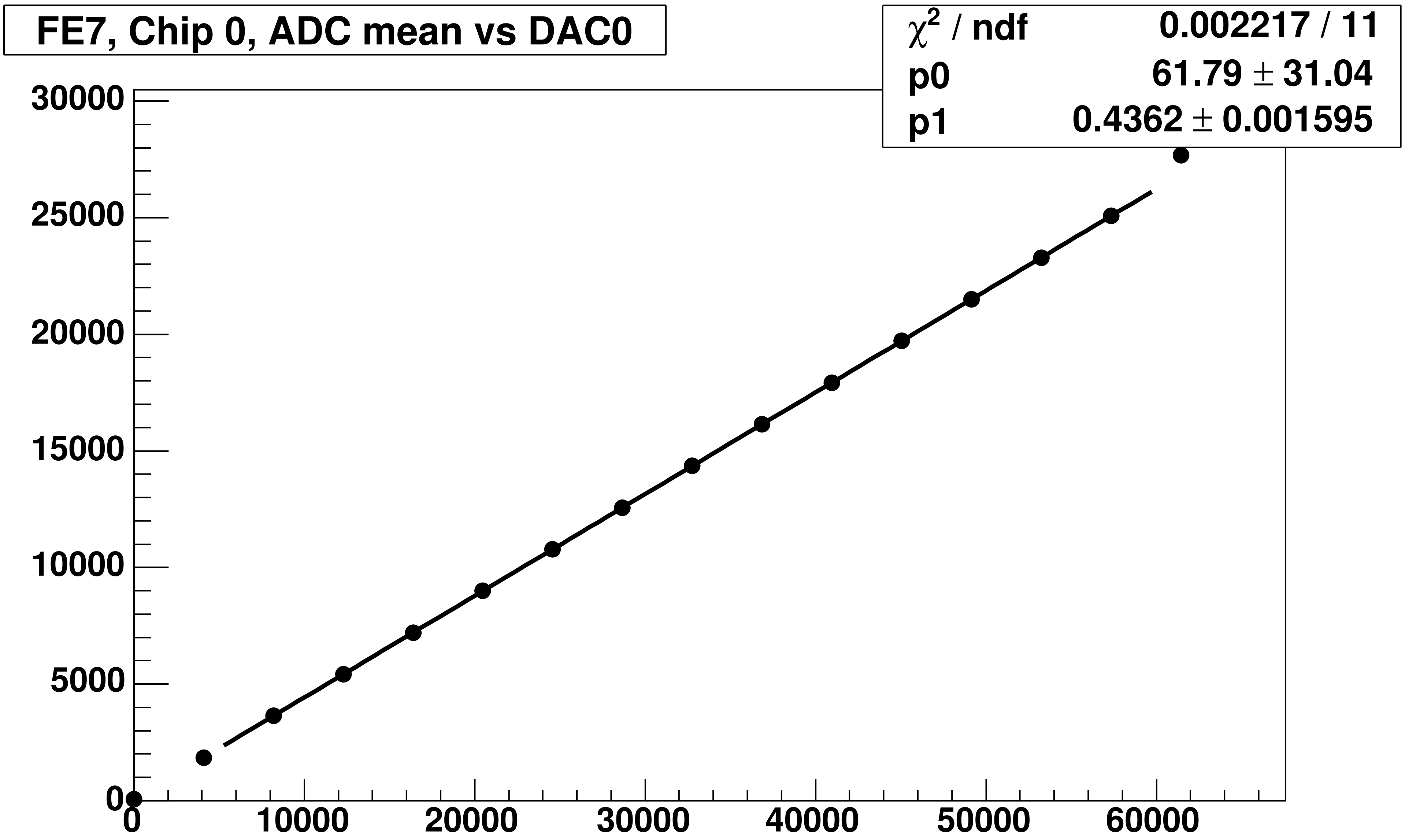

FE6, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

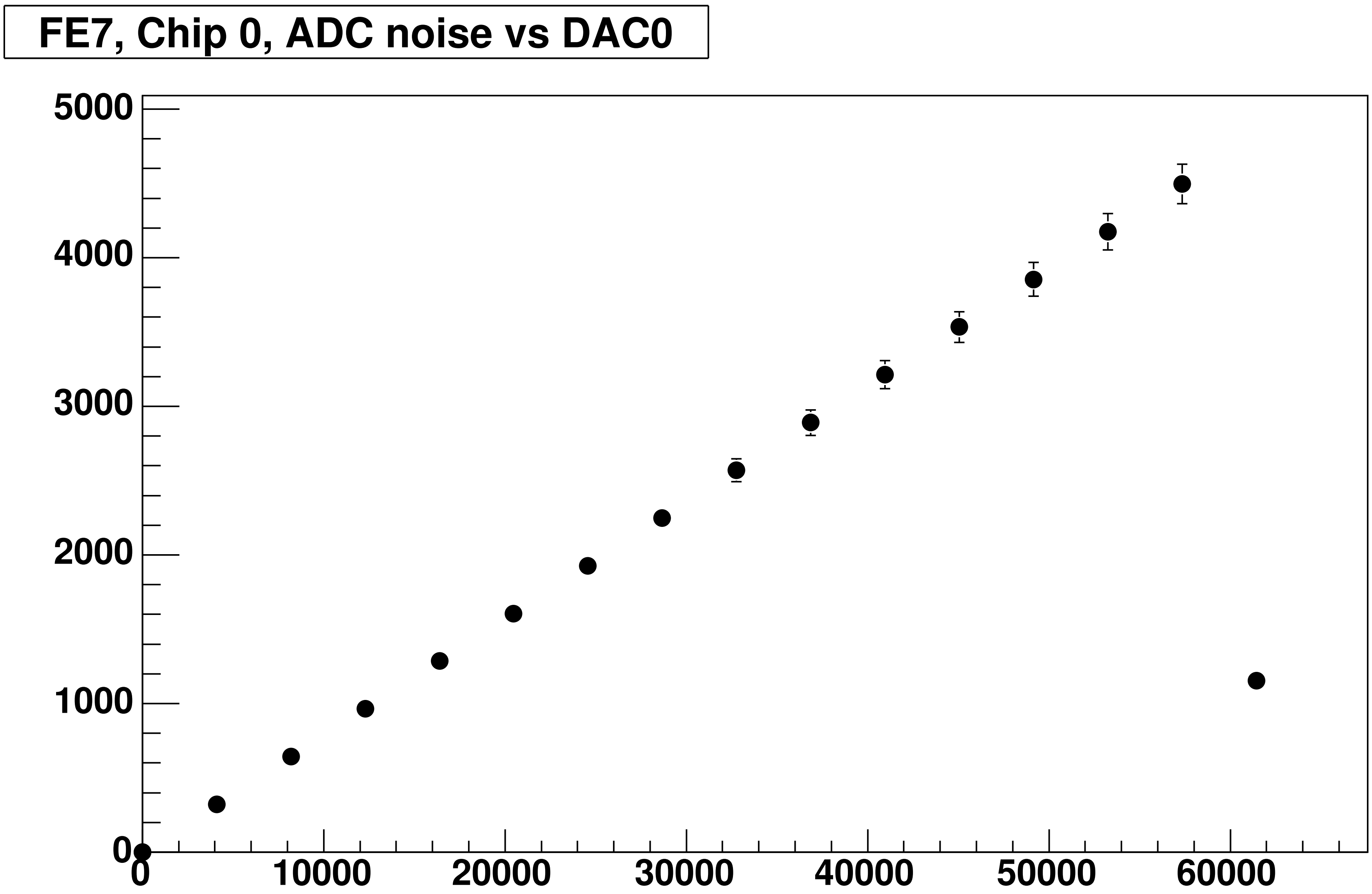

FE6, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

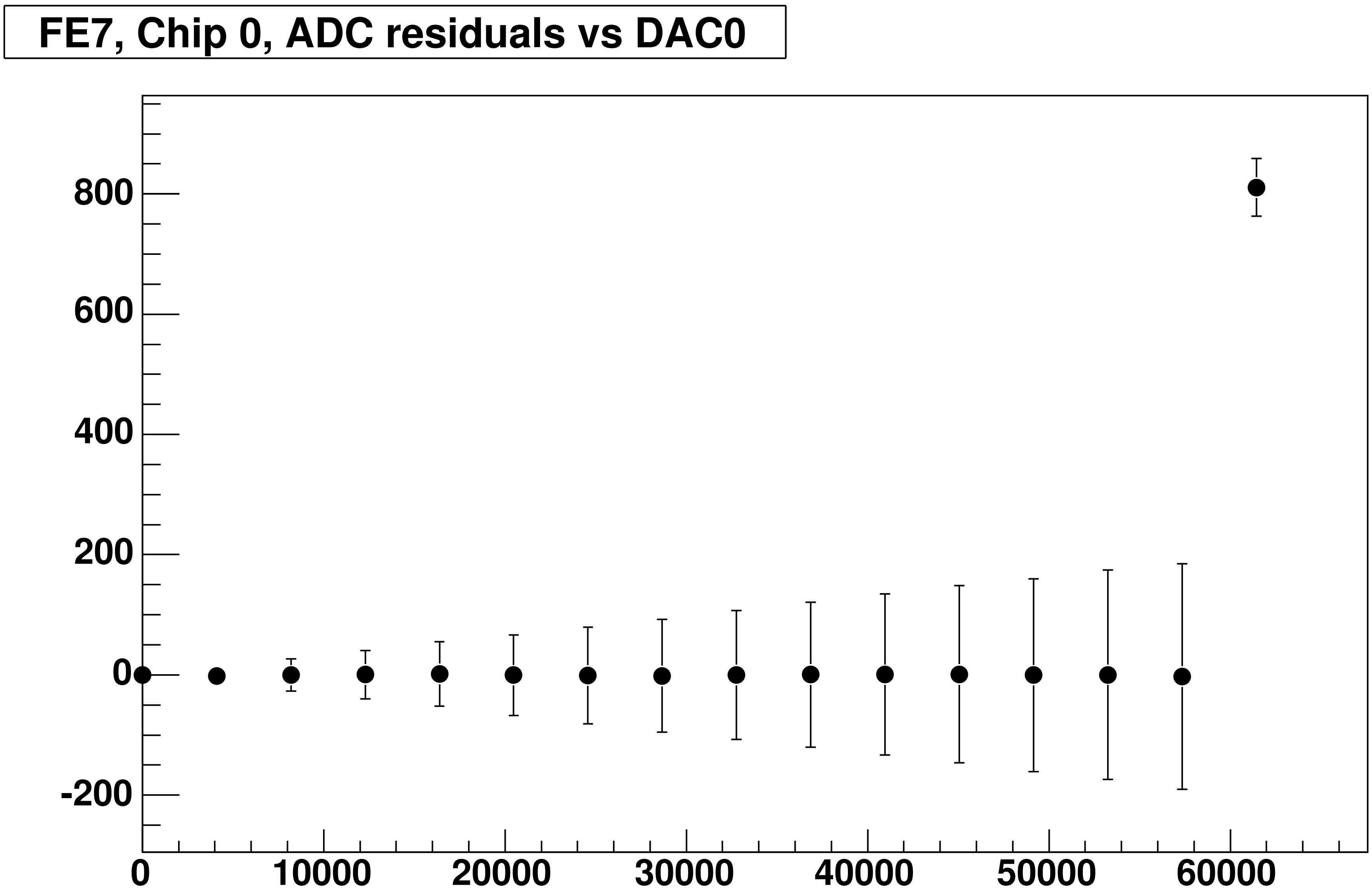

FE6, Chip 11, ADC mean vs DAC1
$\chi^2$ / ndf 0.002022 / 11
p0 38.64 ± 31.14
p1 0.4378 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

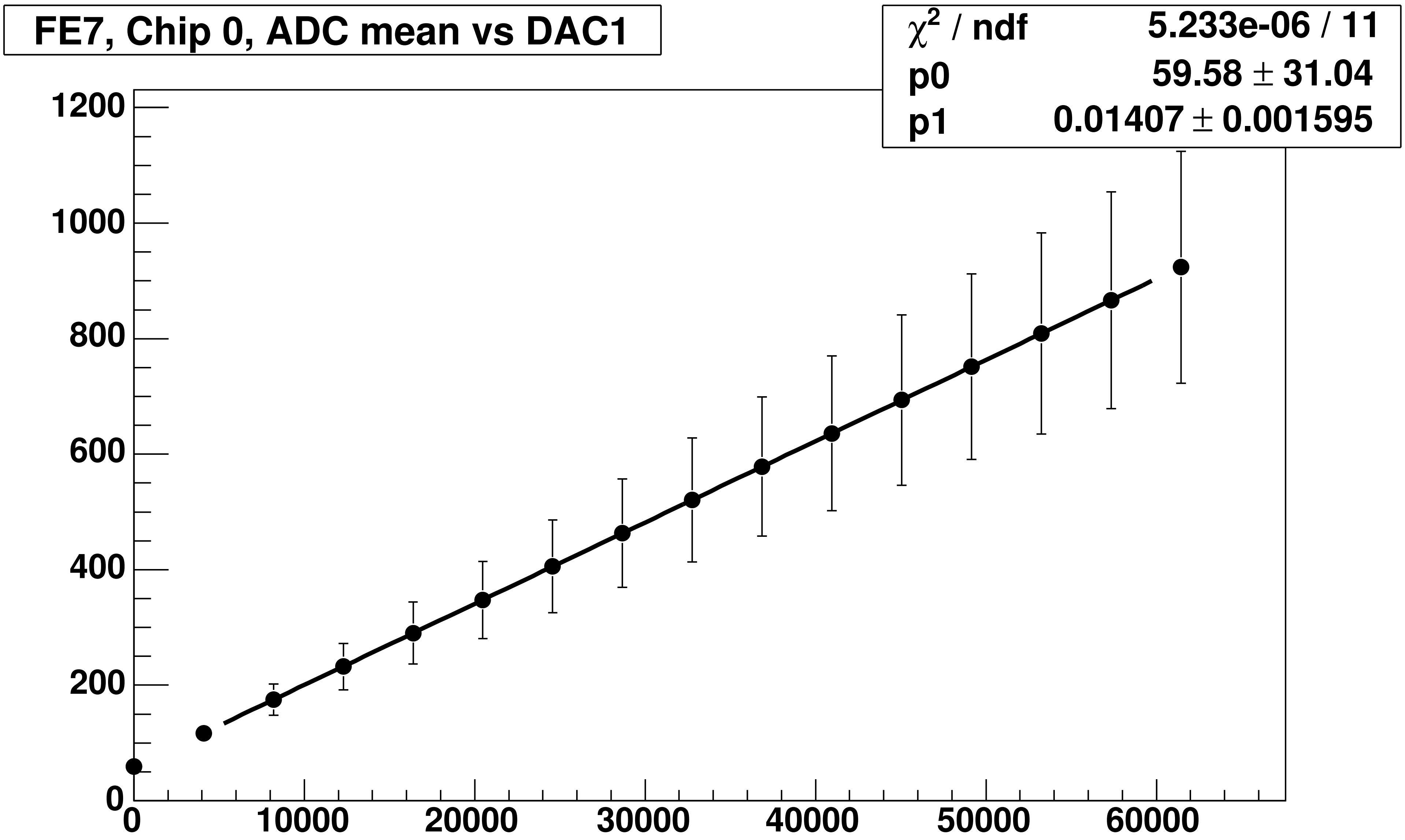

FE6, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

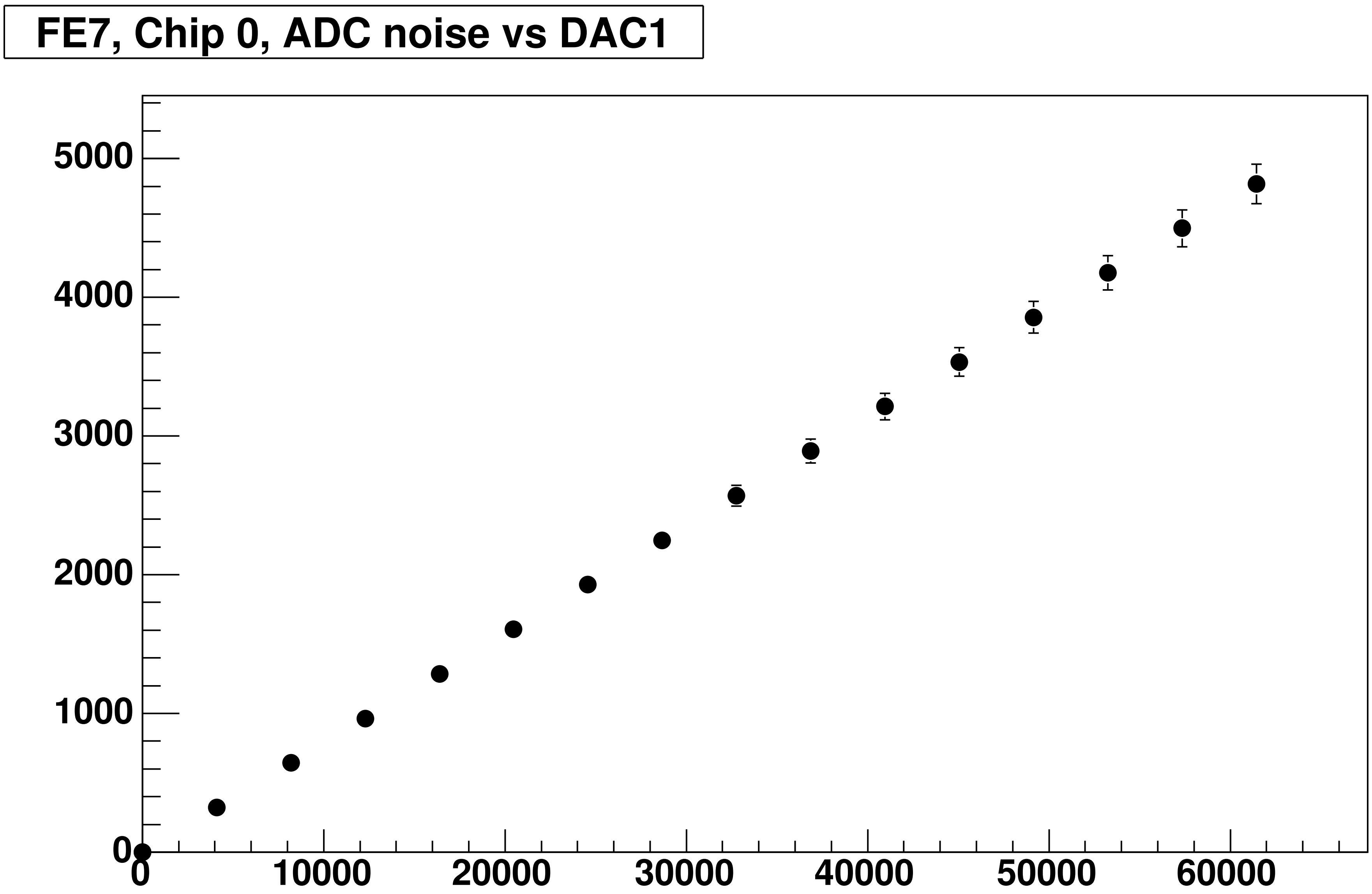

FE7, Chip 0, ADC mean vs DAC0
$\chi^2$ / ndf 0.002217 / 11
p0 61.79 ± 31.04
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

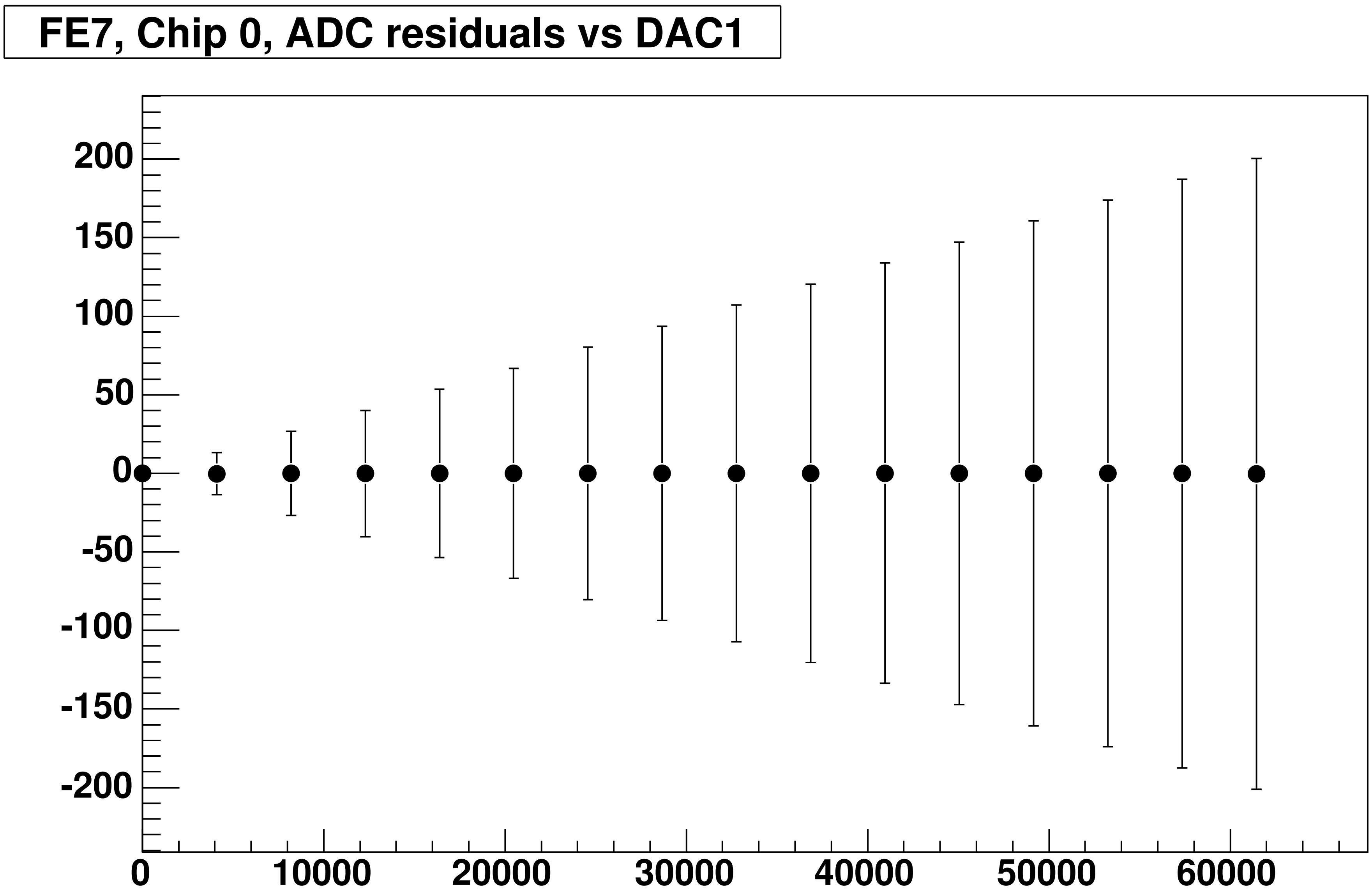

FE7, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

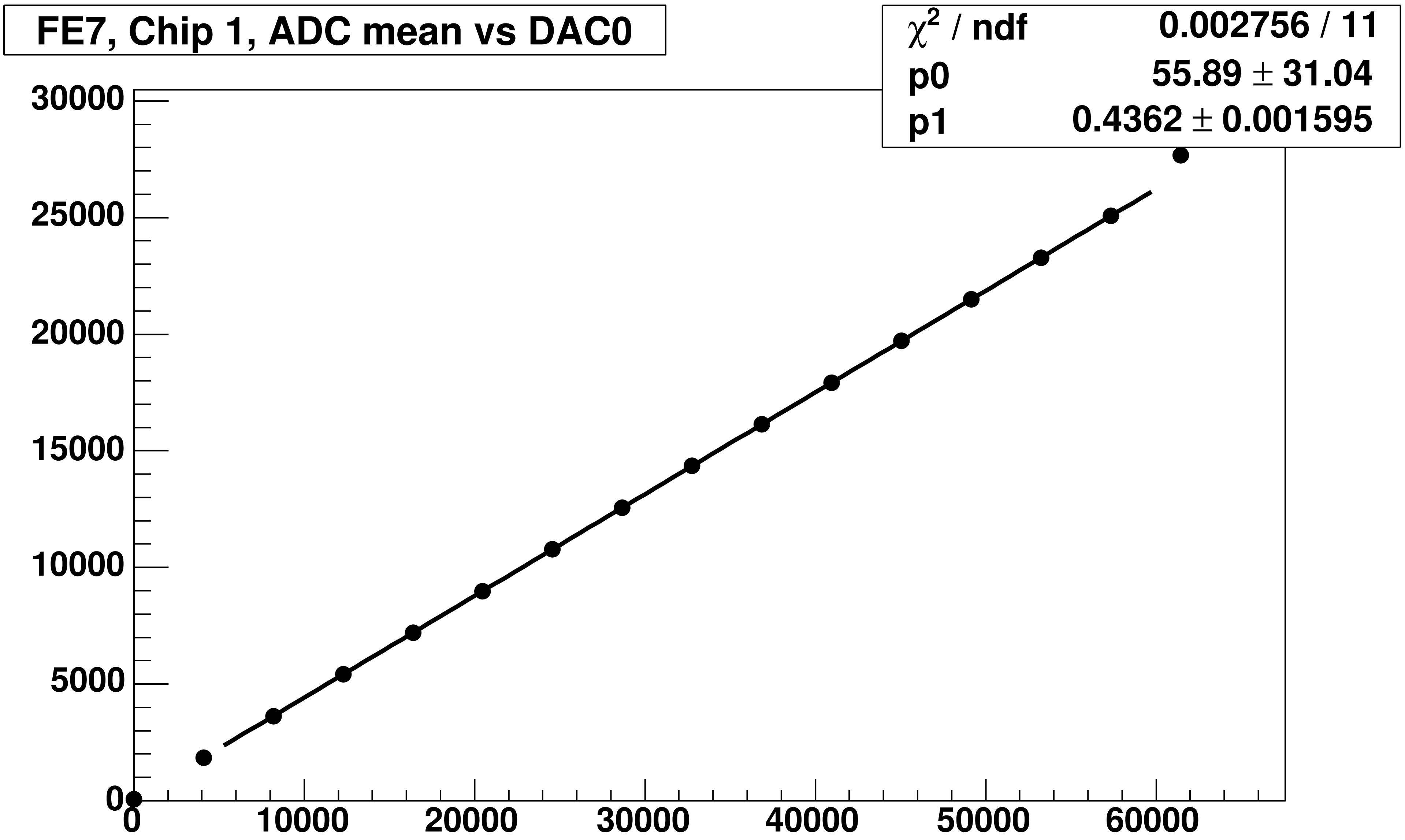

FE7, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



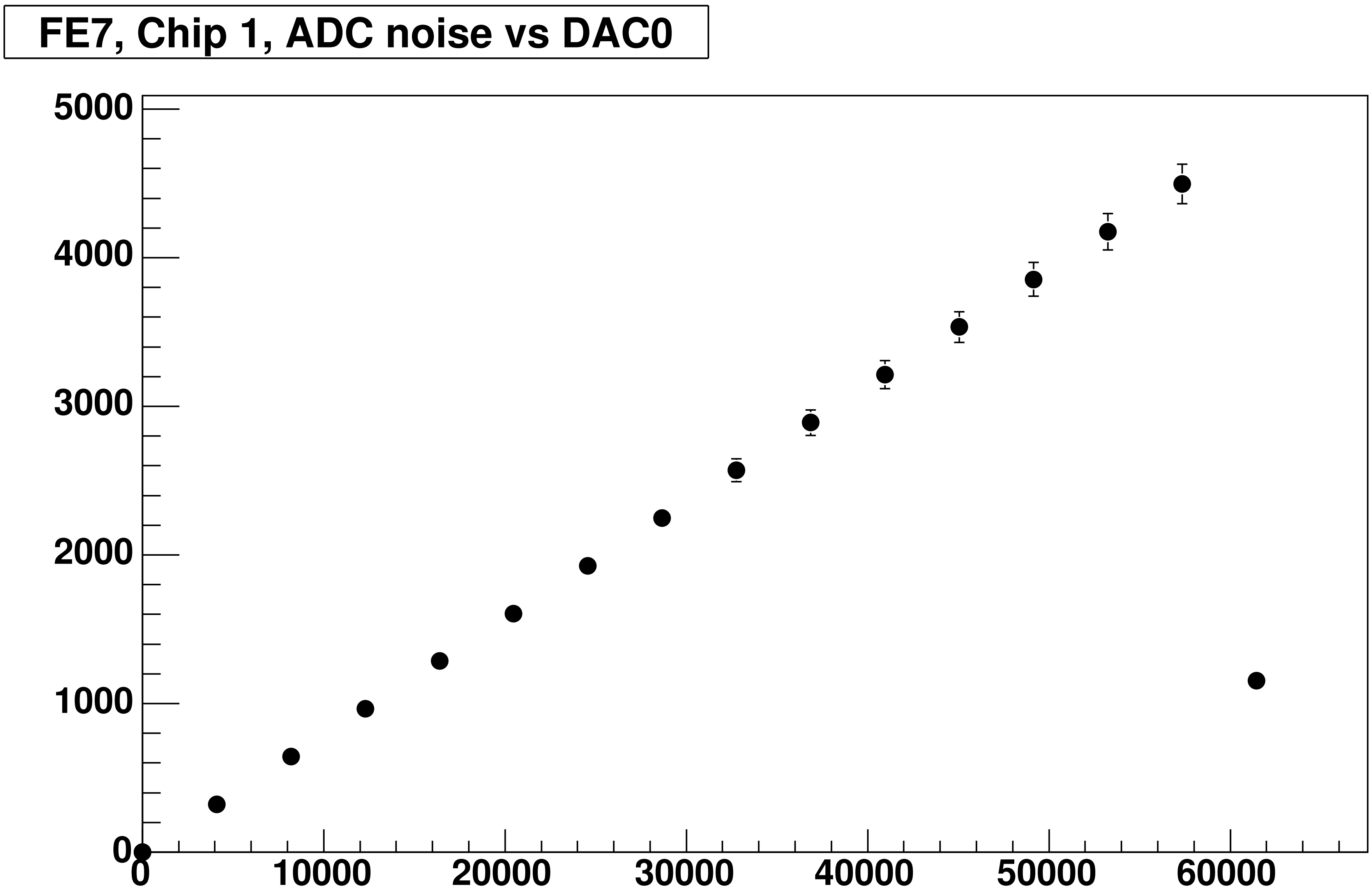
FE7, Chip 0, ADC mean vs DAC1
$\chi^2$ / ndf 5.233e-06 / 11
p0 59.58 ± 31.04
p1 0.01407 ± 0.001595
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

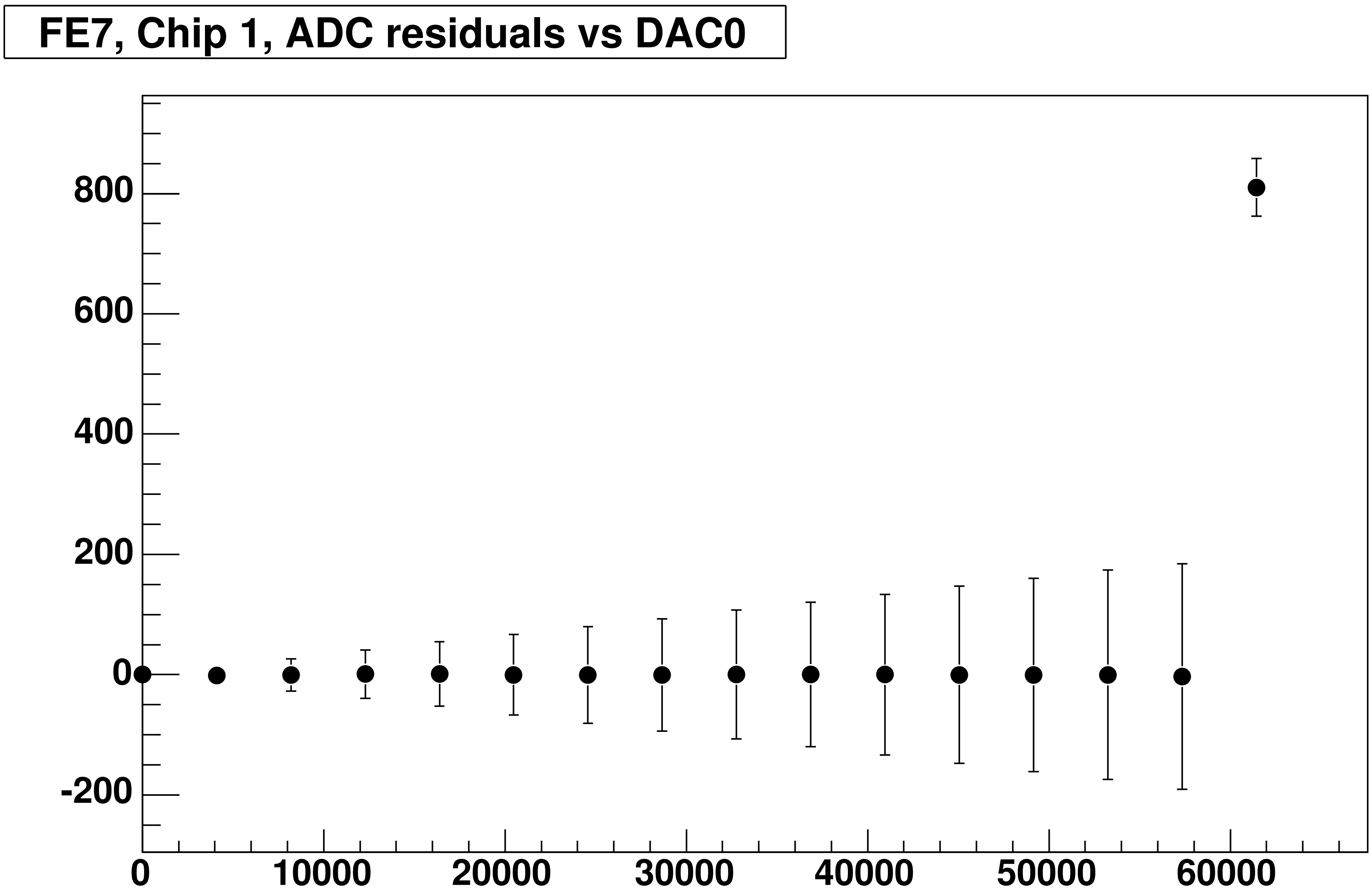

FE7, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

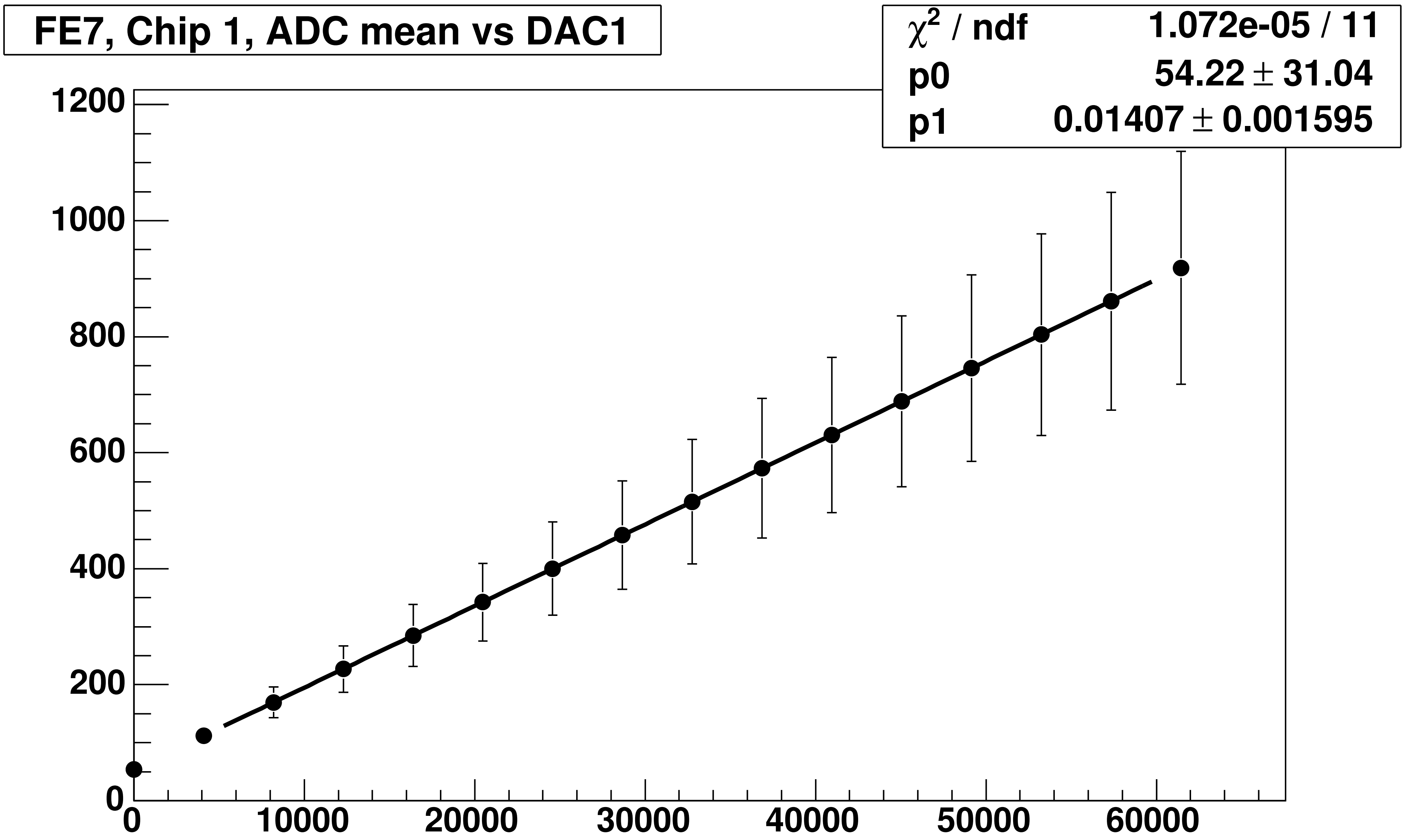

FE7, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

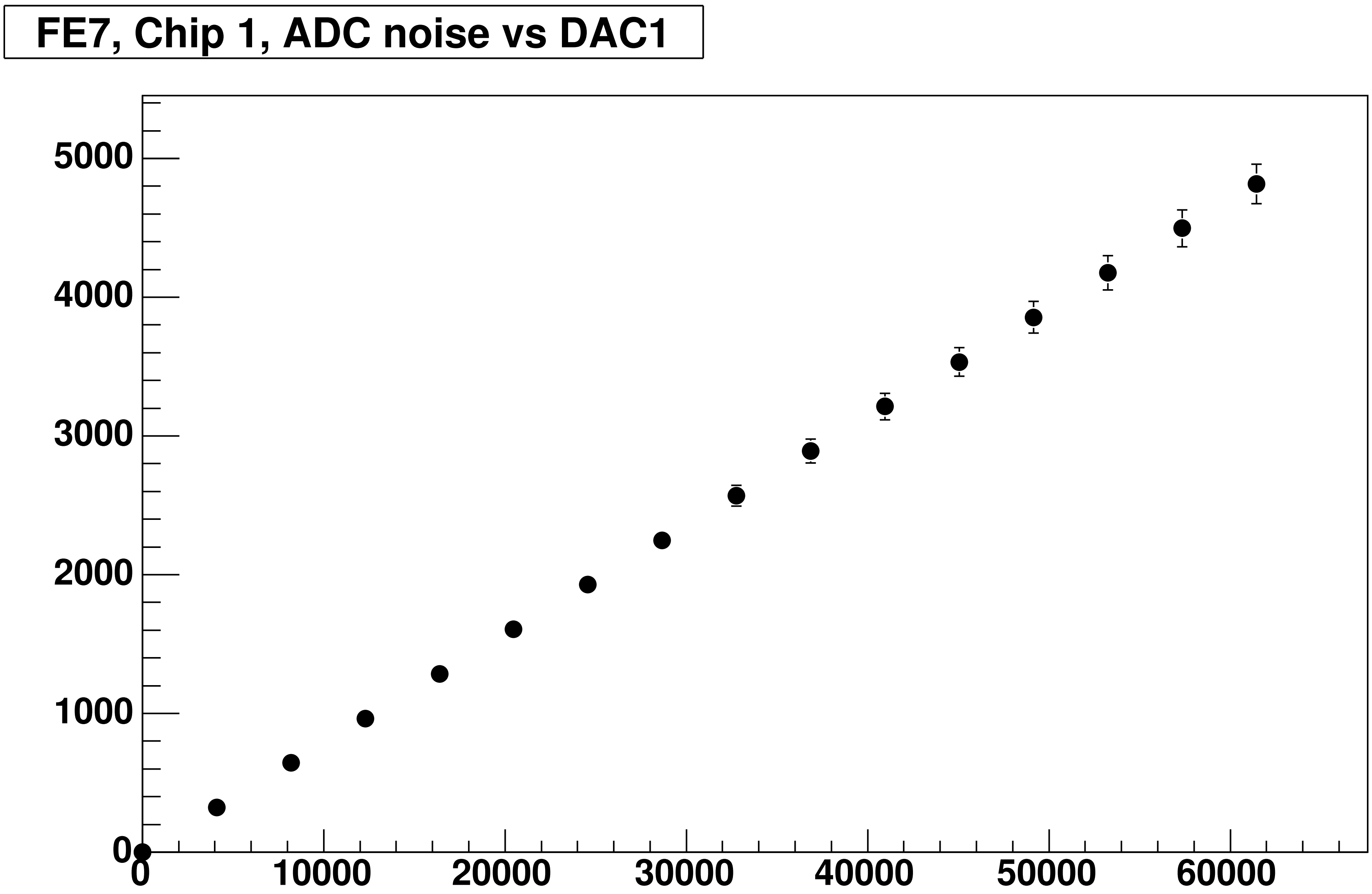


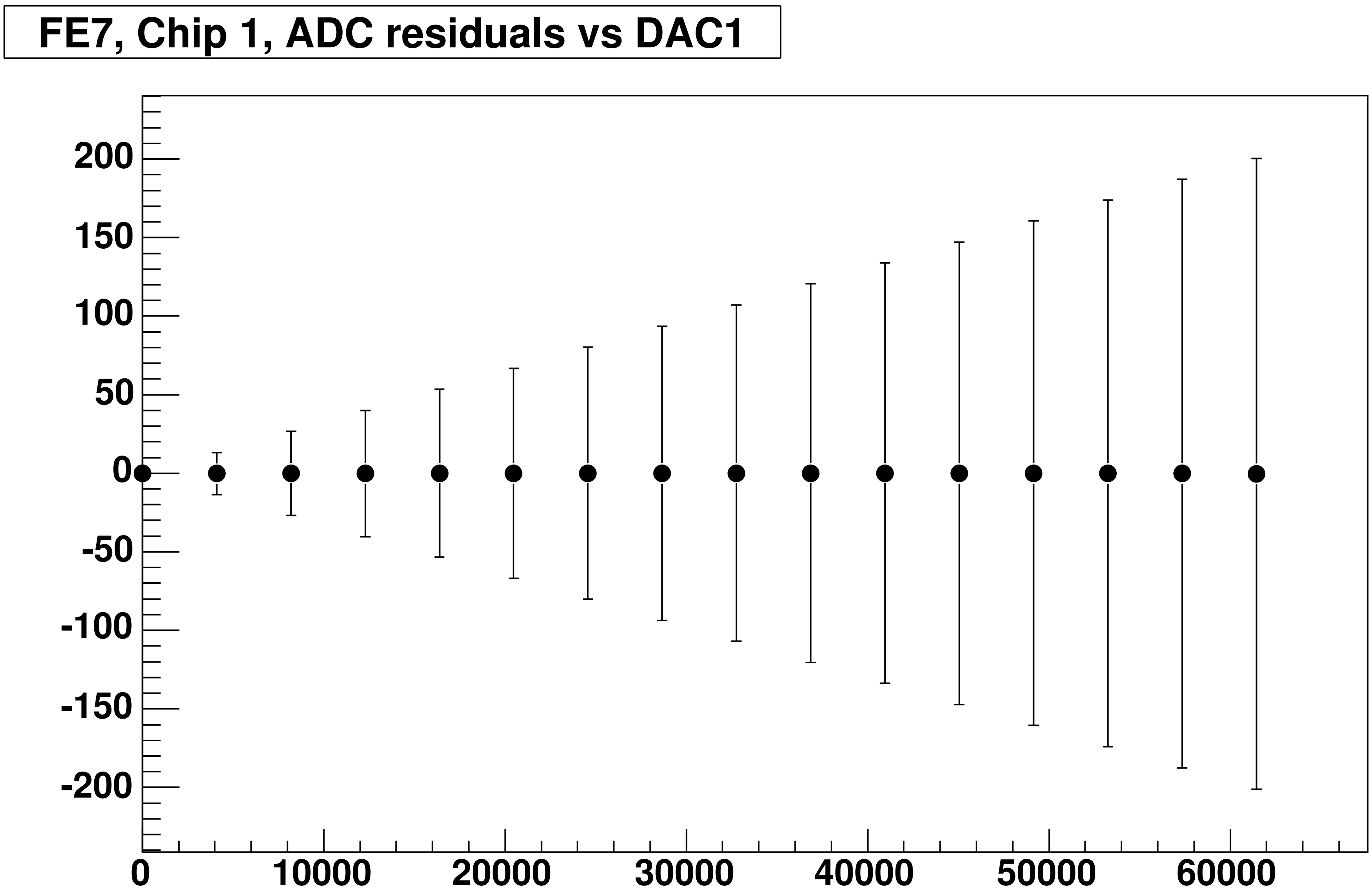
FE7, Chip 1, ADC mean vs DAC0
χ² / ndf 0.002756 / 11
p0 55.89 ± 31.04
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


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

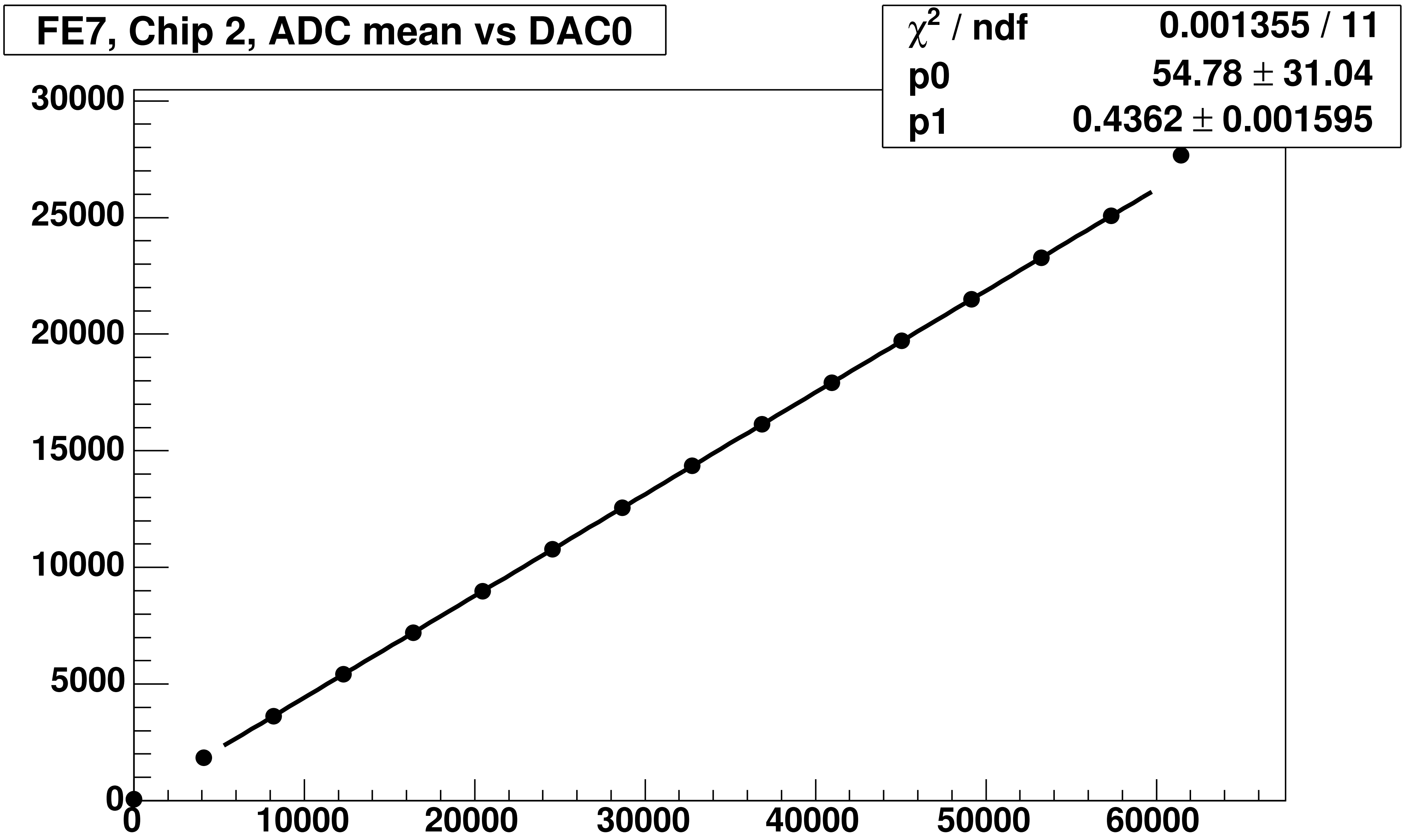

FE7, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

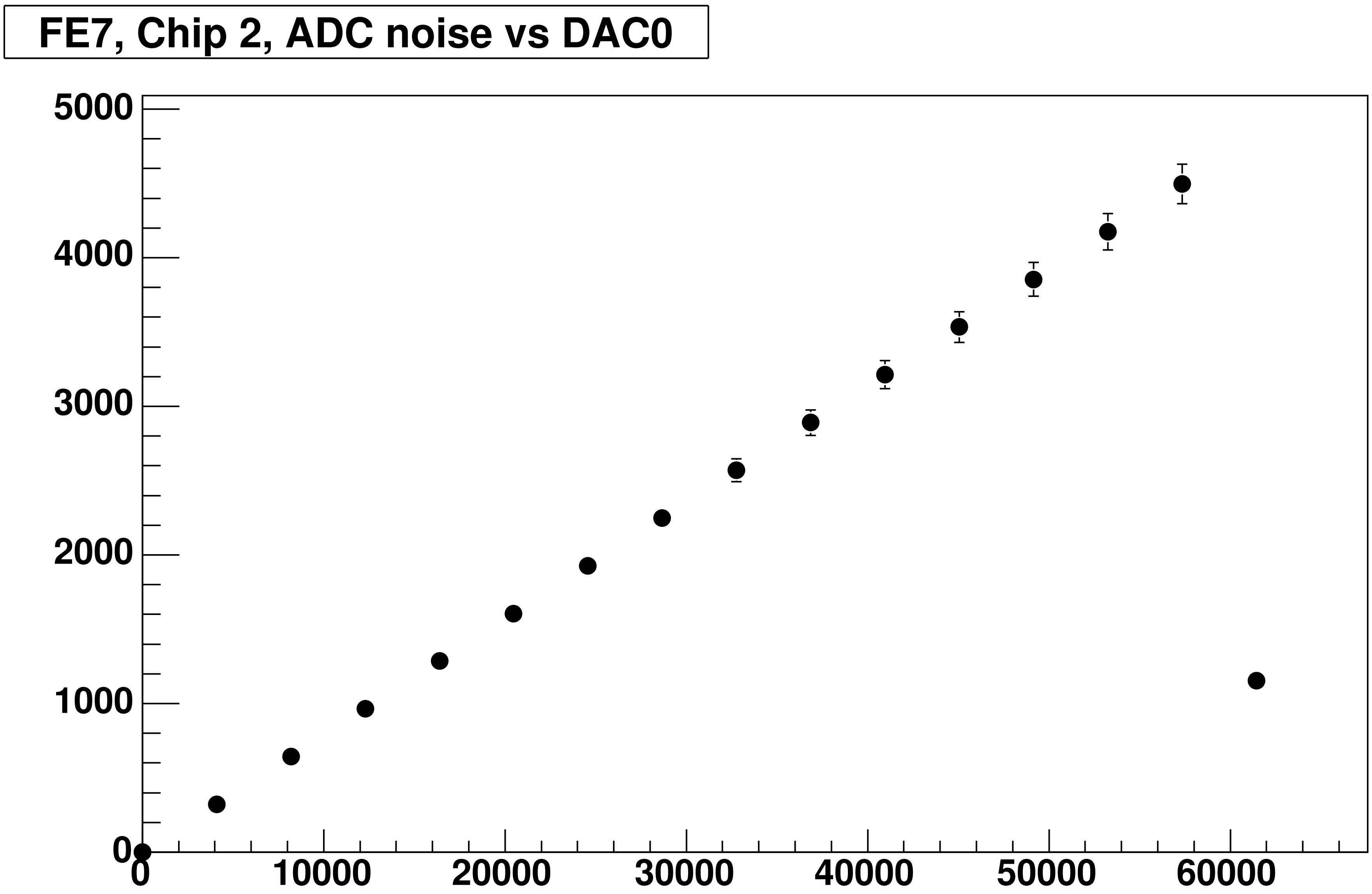

FE7, Chip 1, ADC mean vs DAC1
$\chi^2$ / ndf 1.072e-05 / 11
p0 54.22 ± 31.04
p1 0.01407 ± 0.001595
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

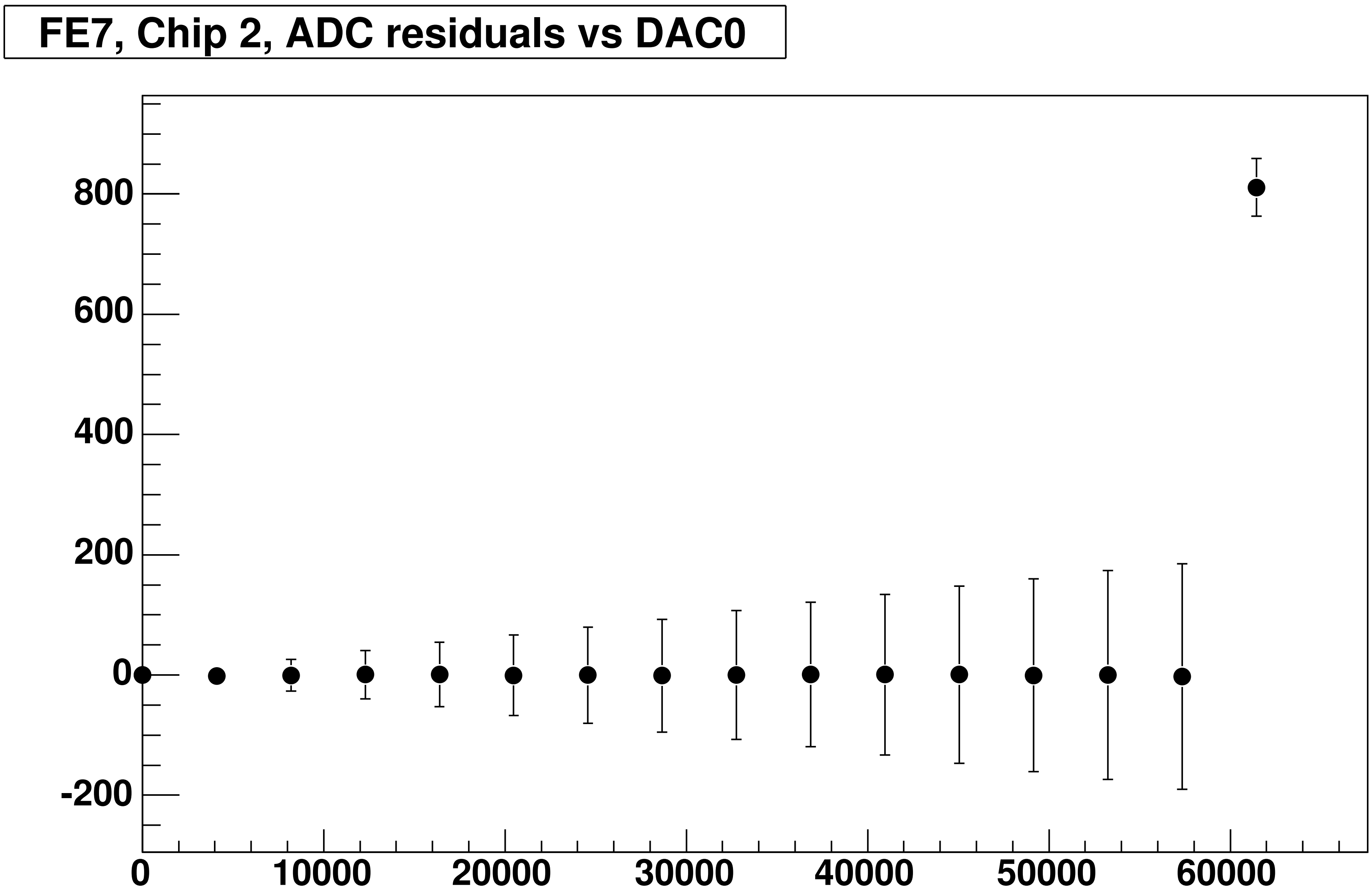

FE7, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



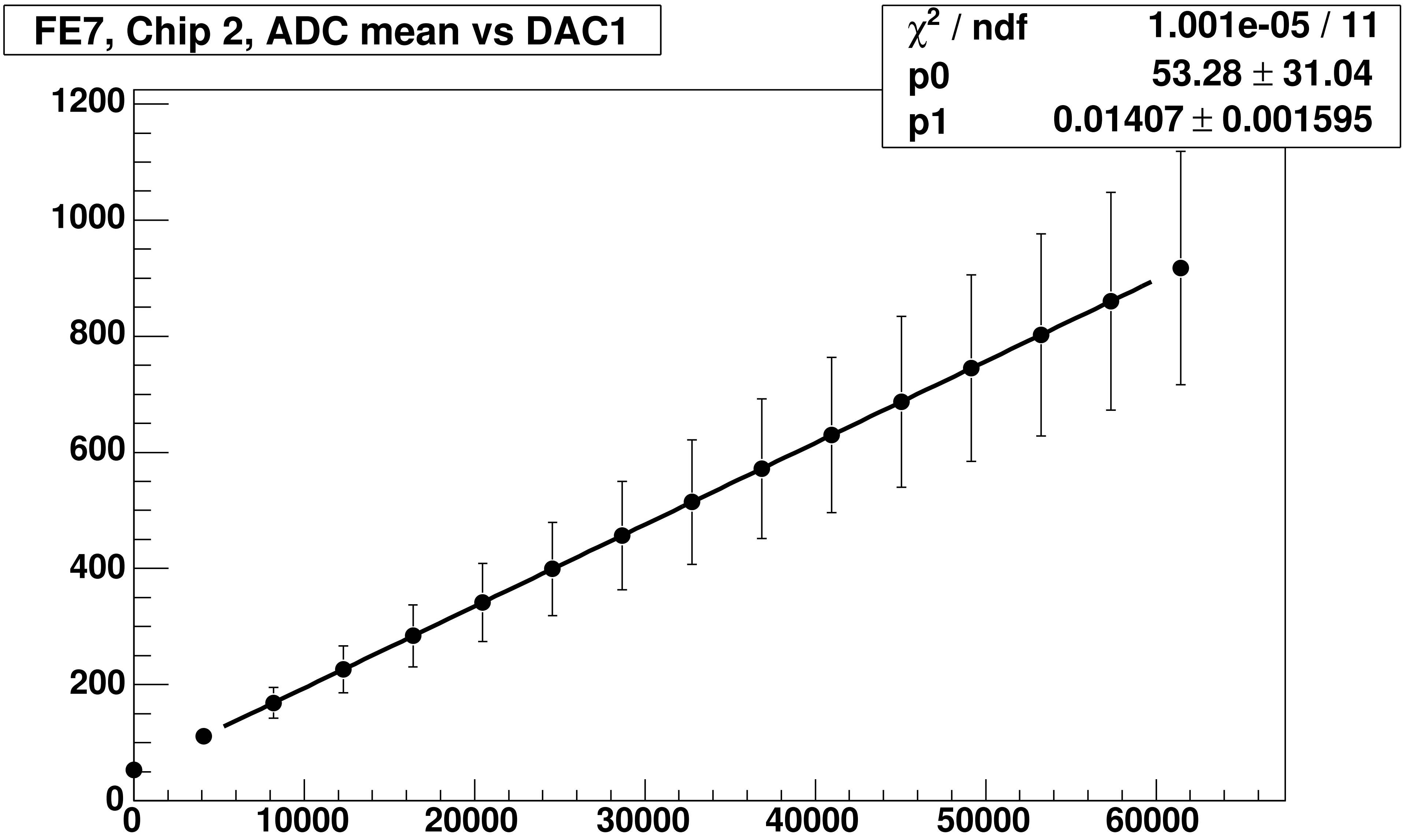
FE7, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 2, ADC mean vs DAC0
$\chi^2$ / ndf 0.001355 / 11
p0 54.78 ± 31.04
p1 0.4362 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

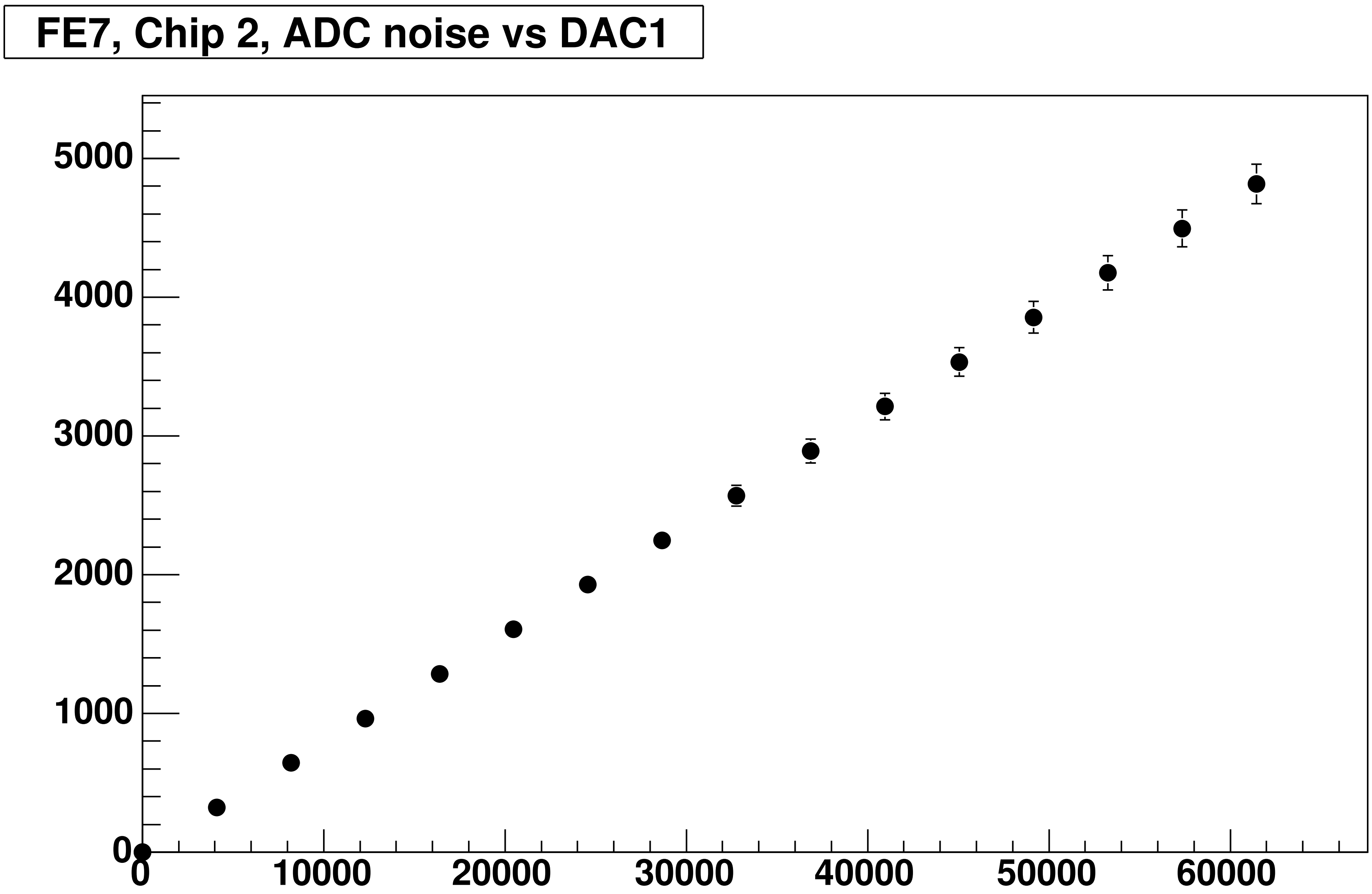

FE7, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

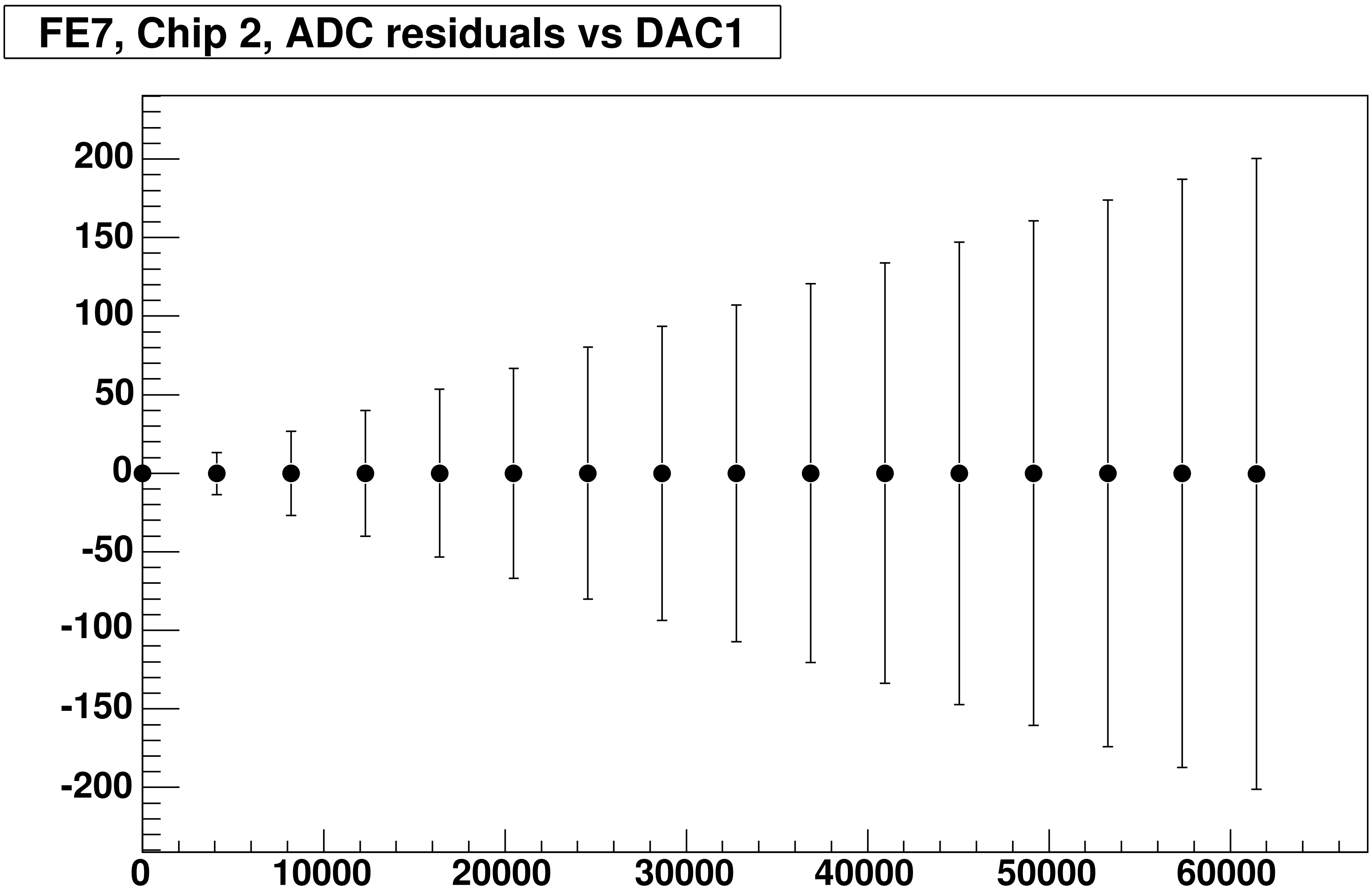


FE7, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

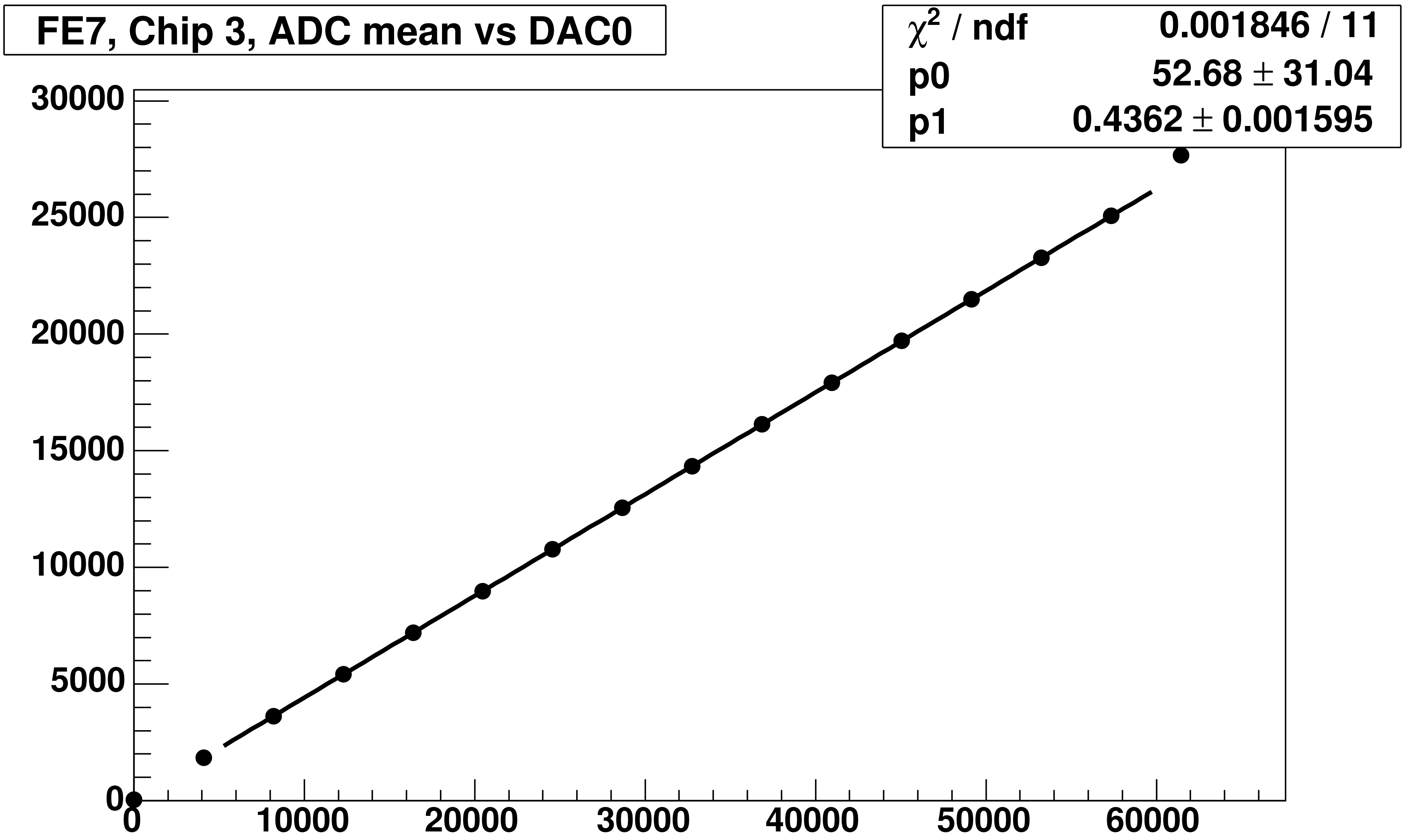


FE7, Chip 2, ADC mean vs DAC1
$\chi^2$ / ndf 1.001e-05 / 11
p0 53.28 ± 31.04
p1 0.01407 ± 0.001595
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

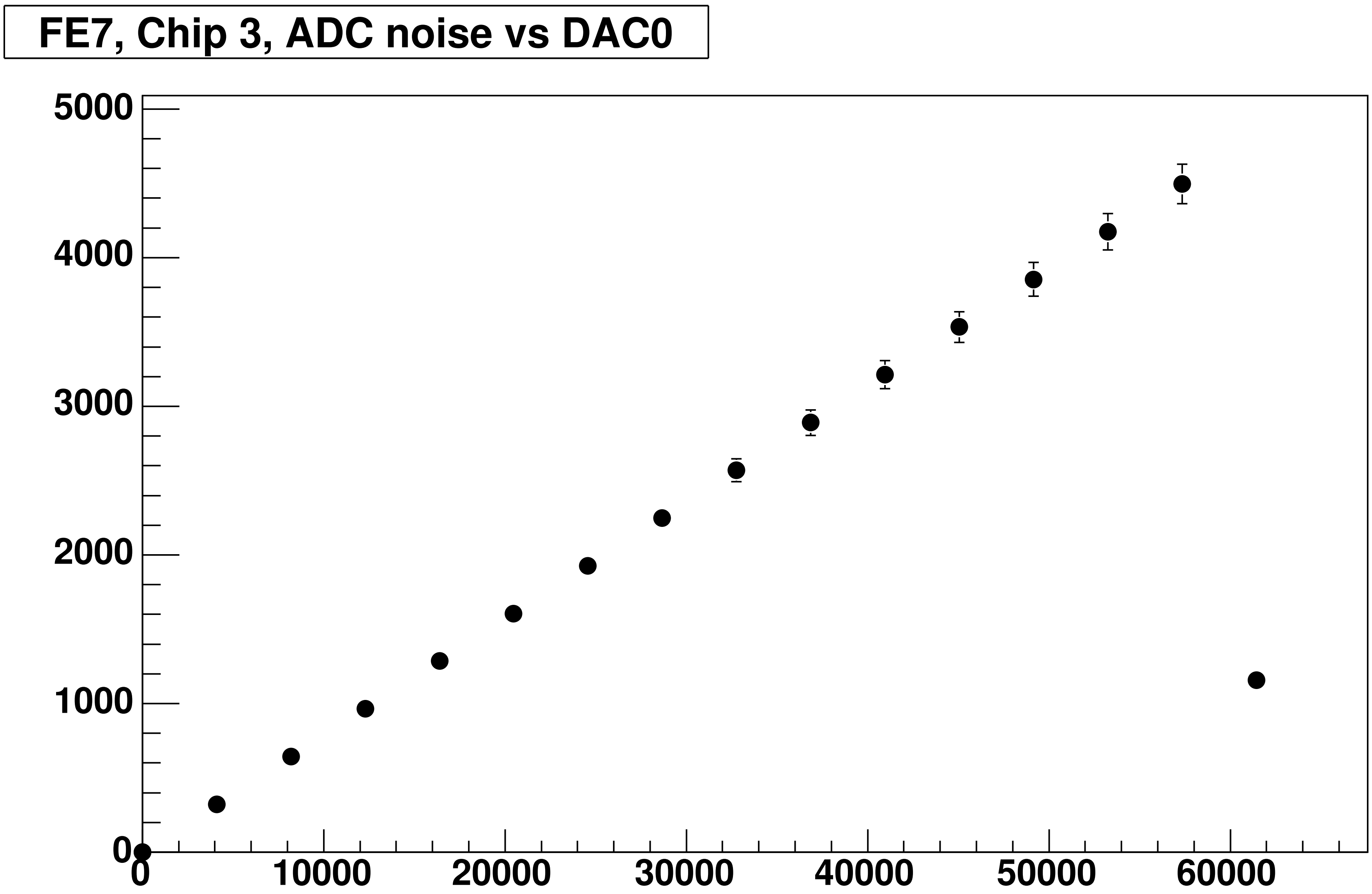

FE7, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

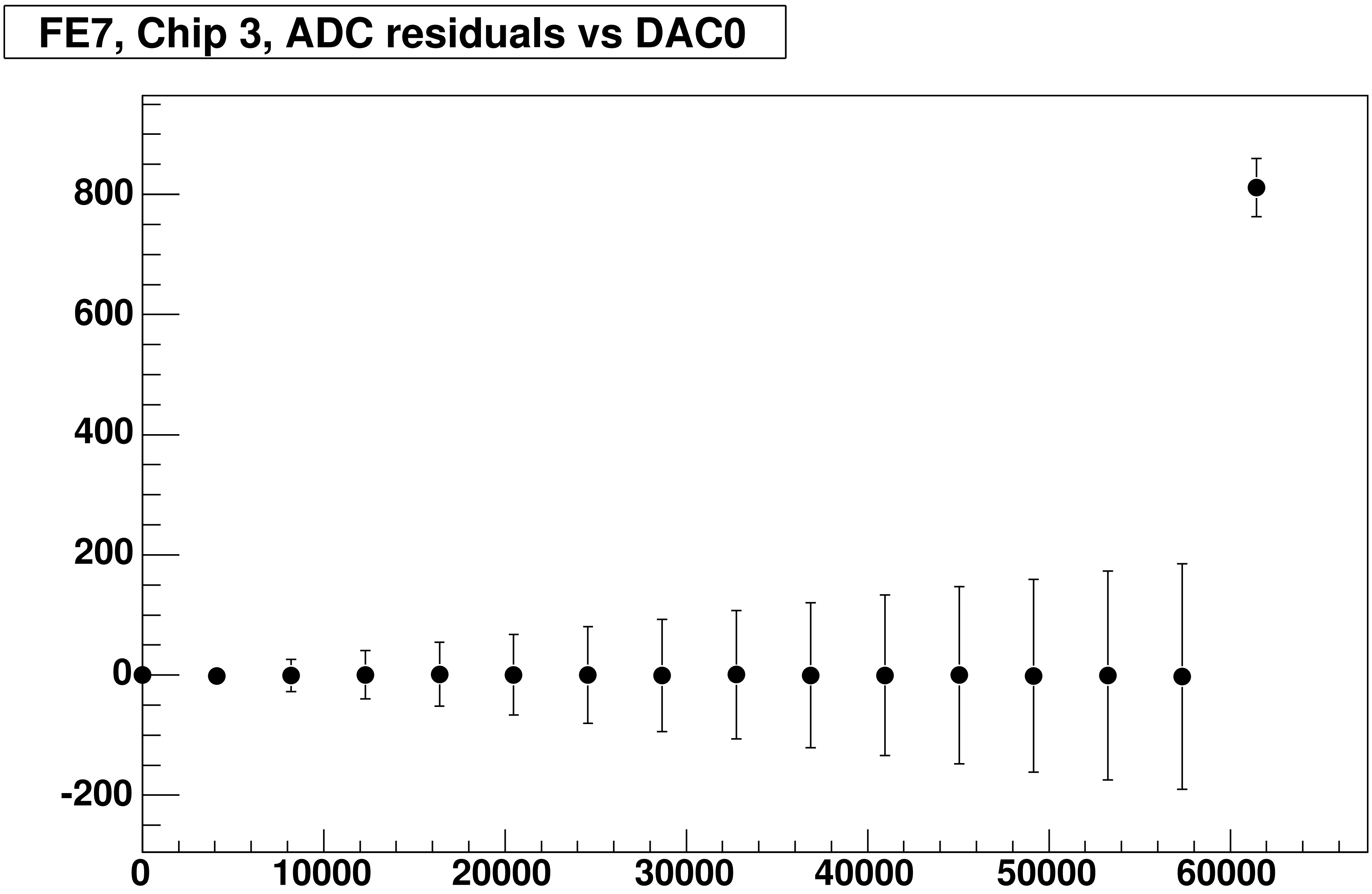


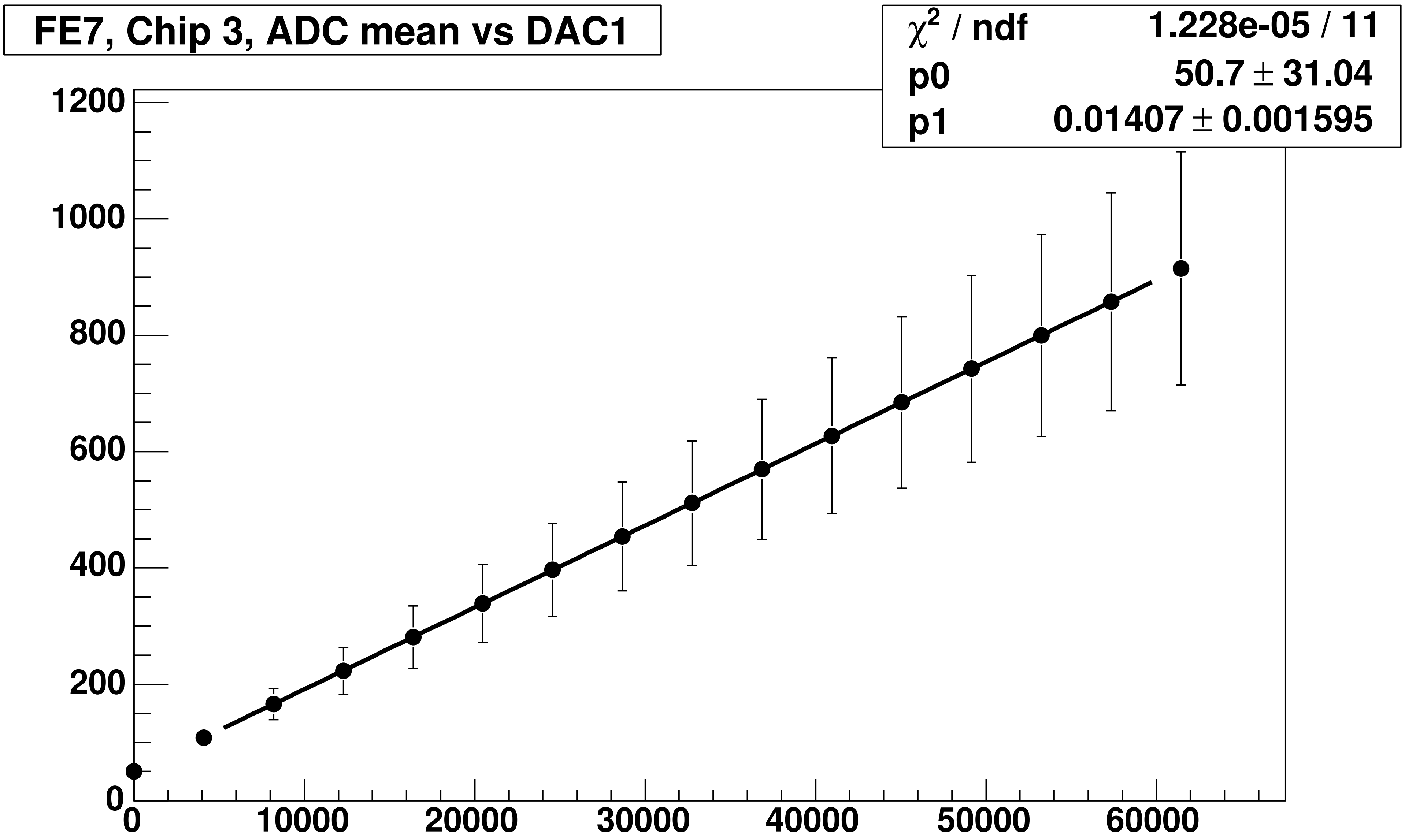
FE7, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



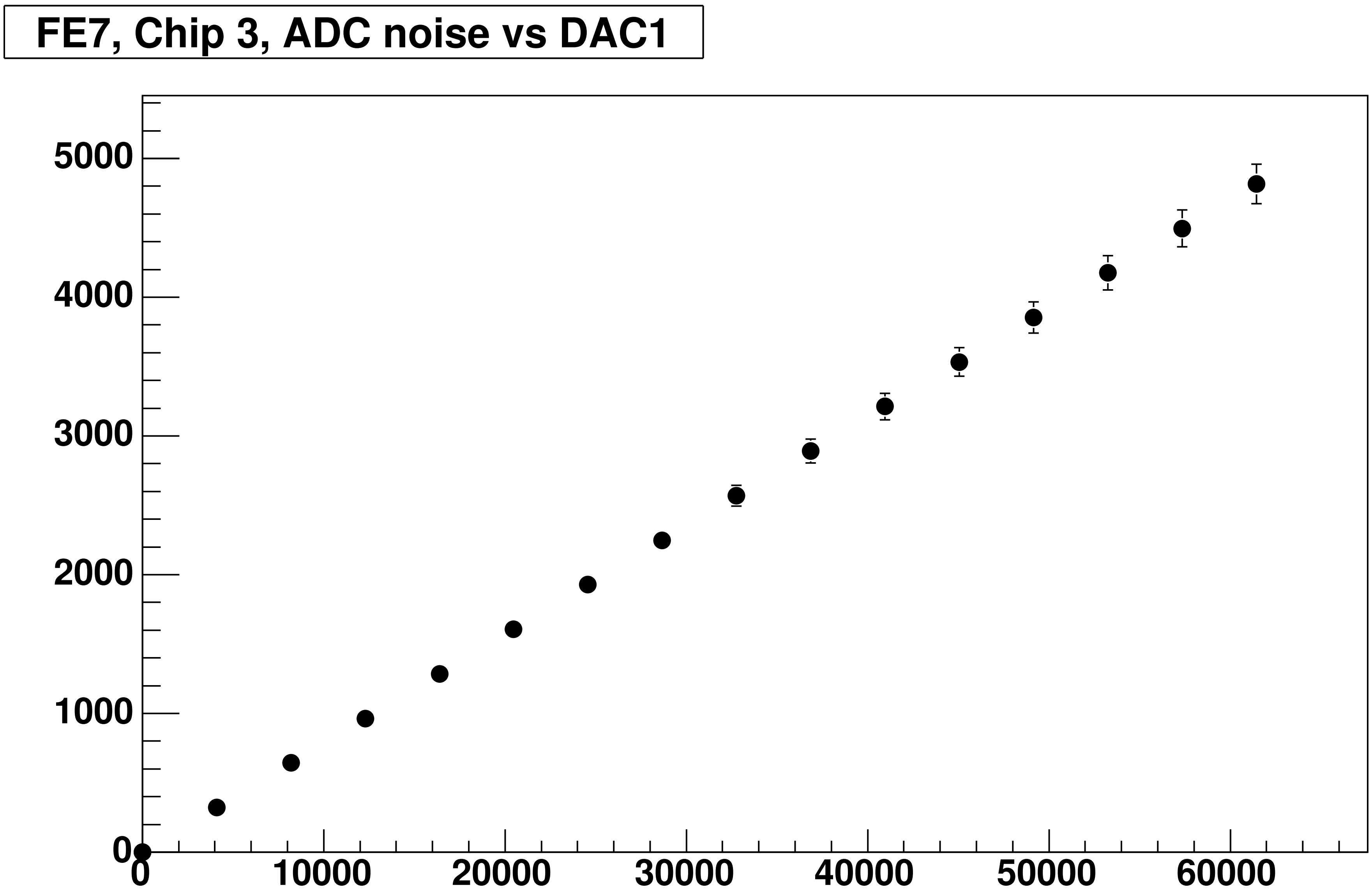
FE7, Chip 3, ADC mean vs DAC0
$\chi^2$ / ndf 0.001846 / 11
p0 52.68 ± 31.04
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

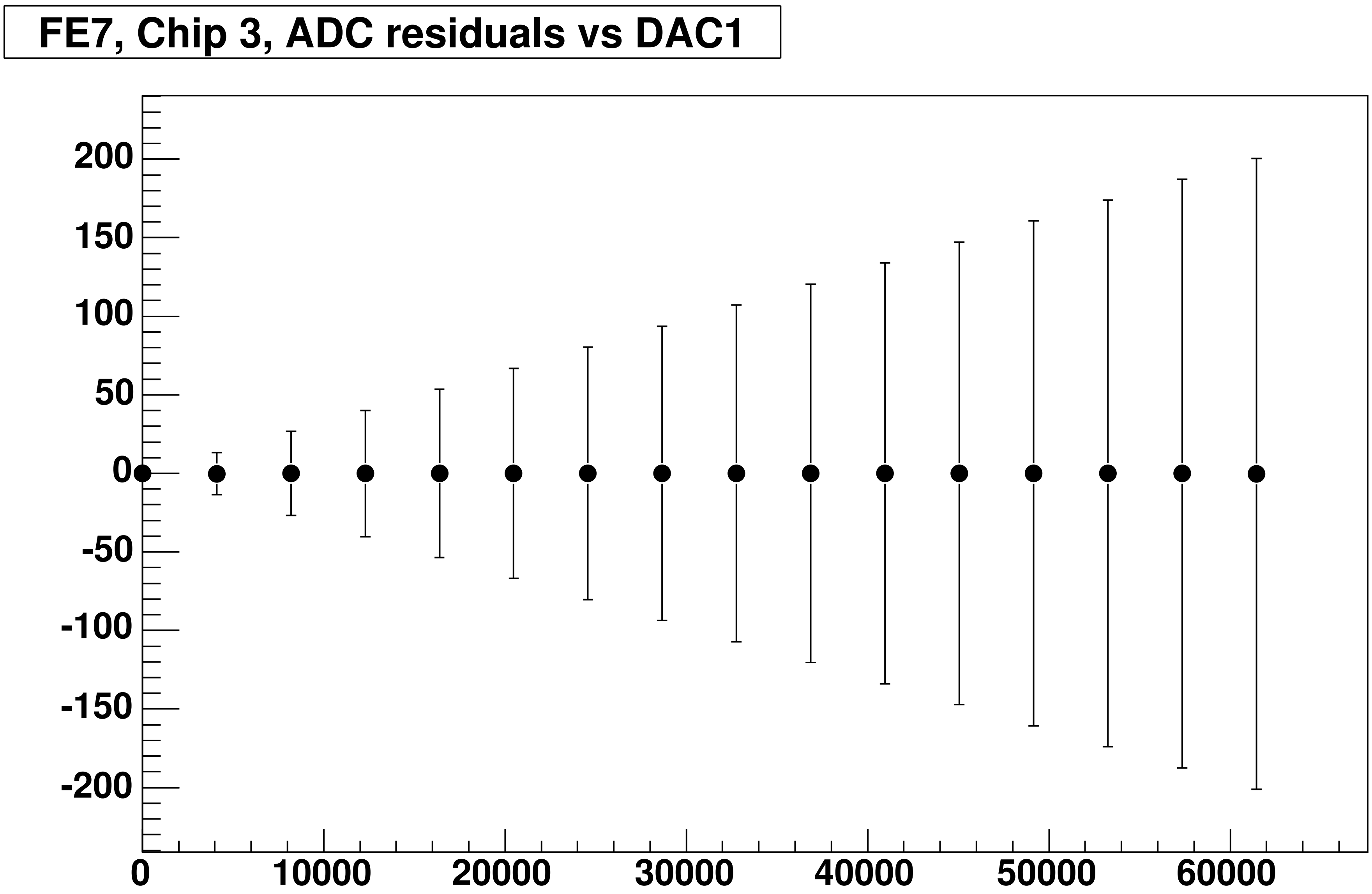

FE7, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

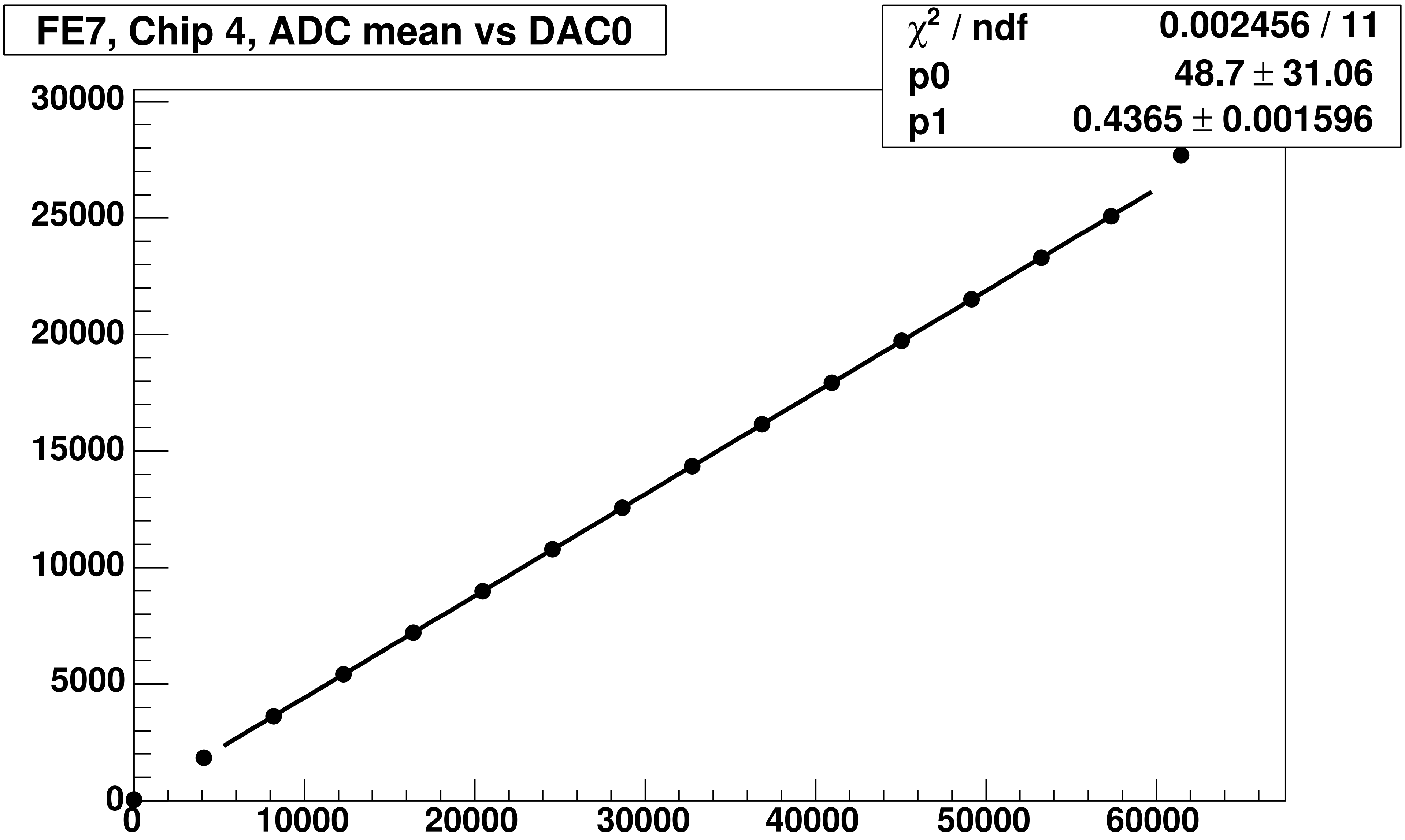


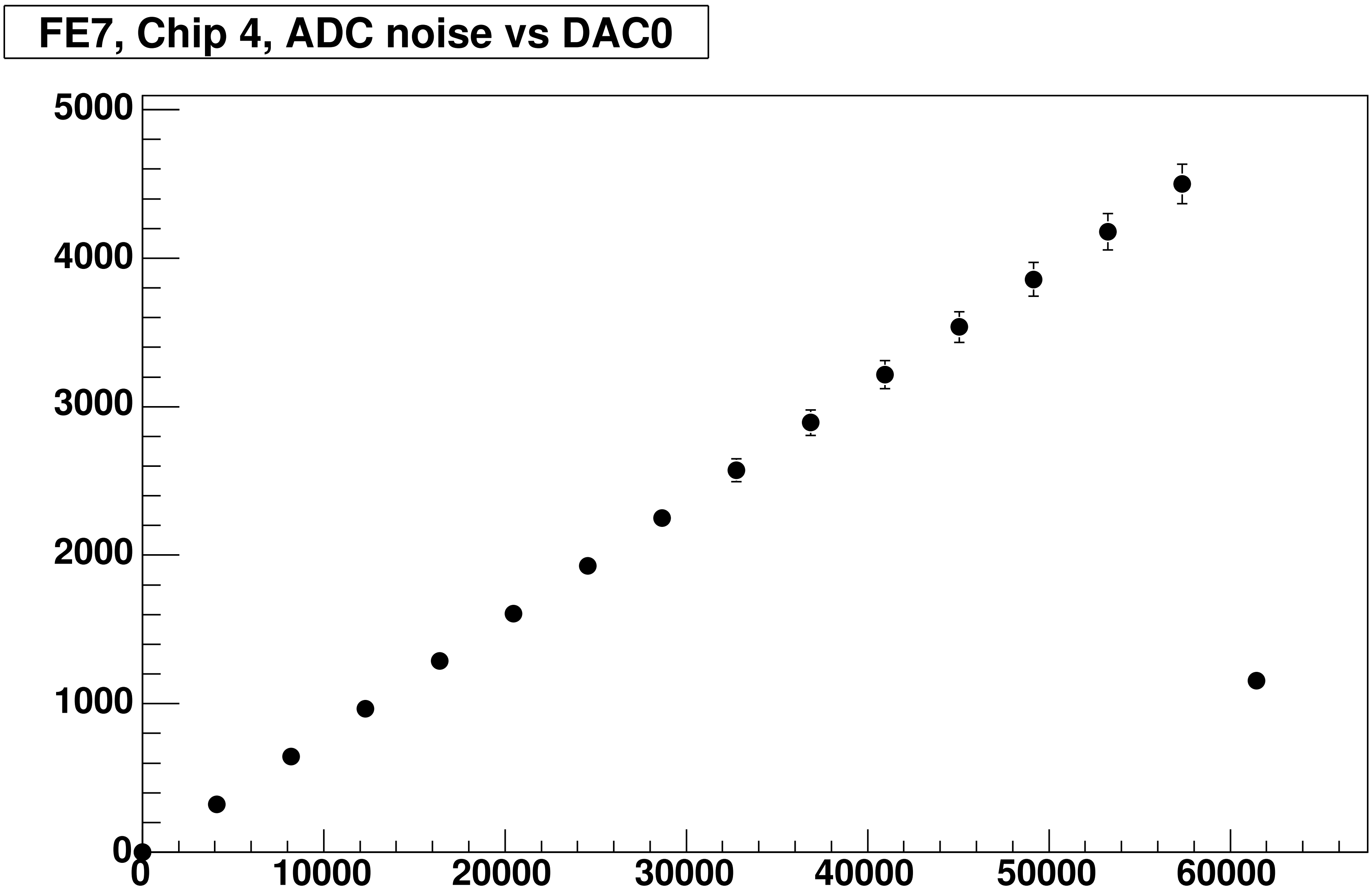
FE7, Chip 3, ADC mean vs DAC1
$\chi^2$ / ndf 1.228e-05 / 11
p0 50.7 ± 31.04
p1 0.01407 ± 0.001595
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

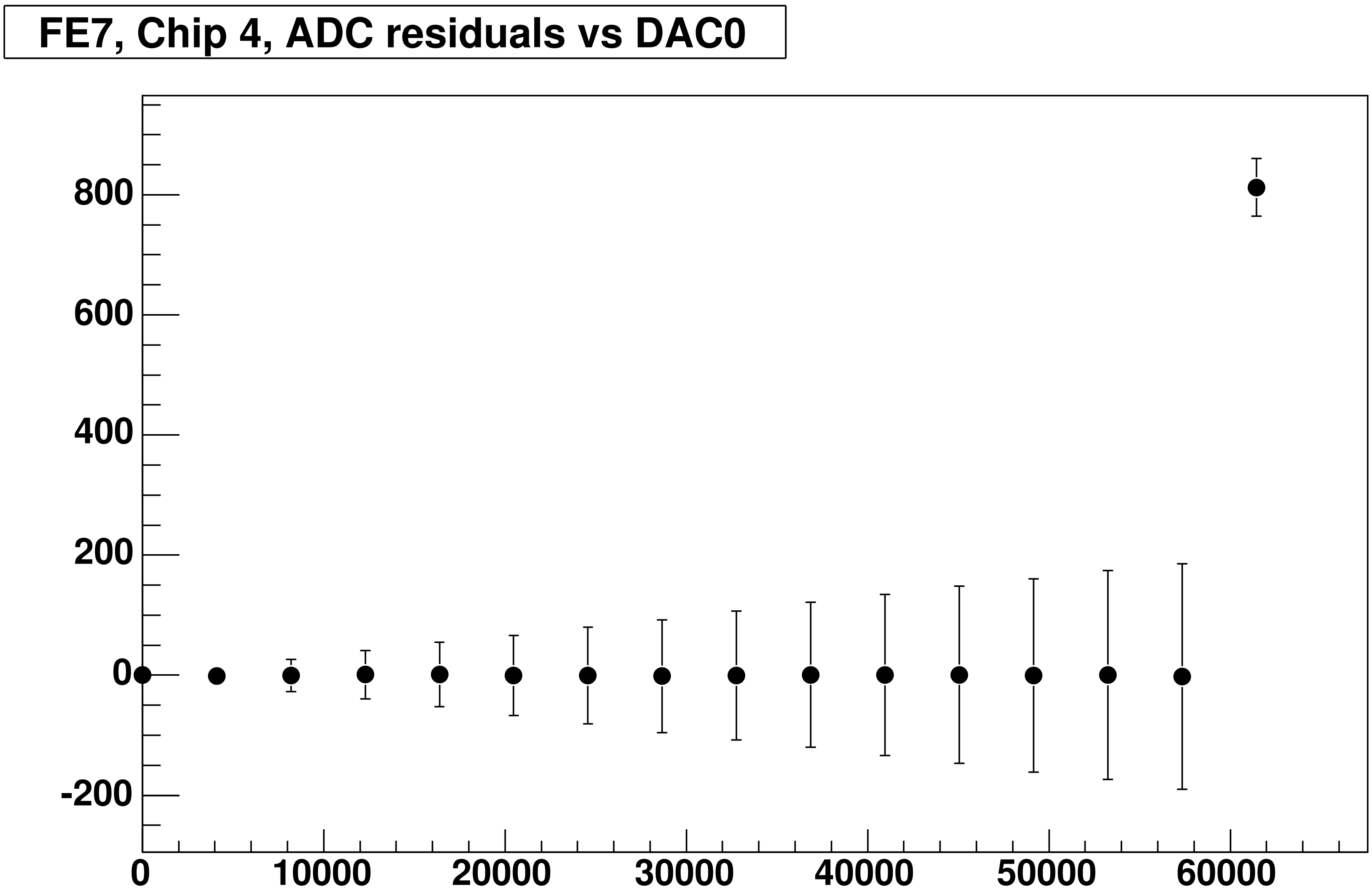

FE7, Chip 3, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000



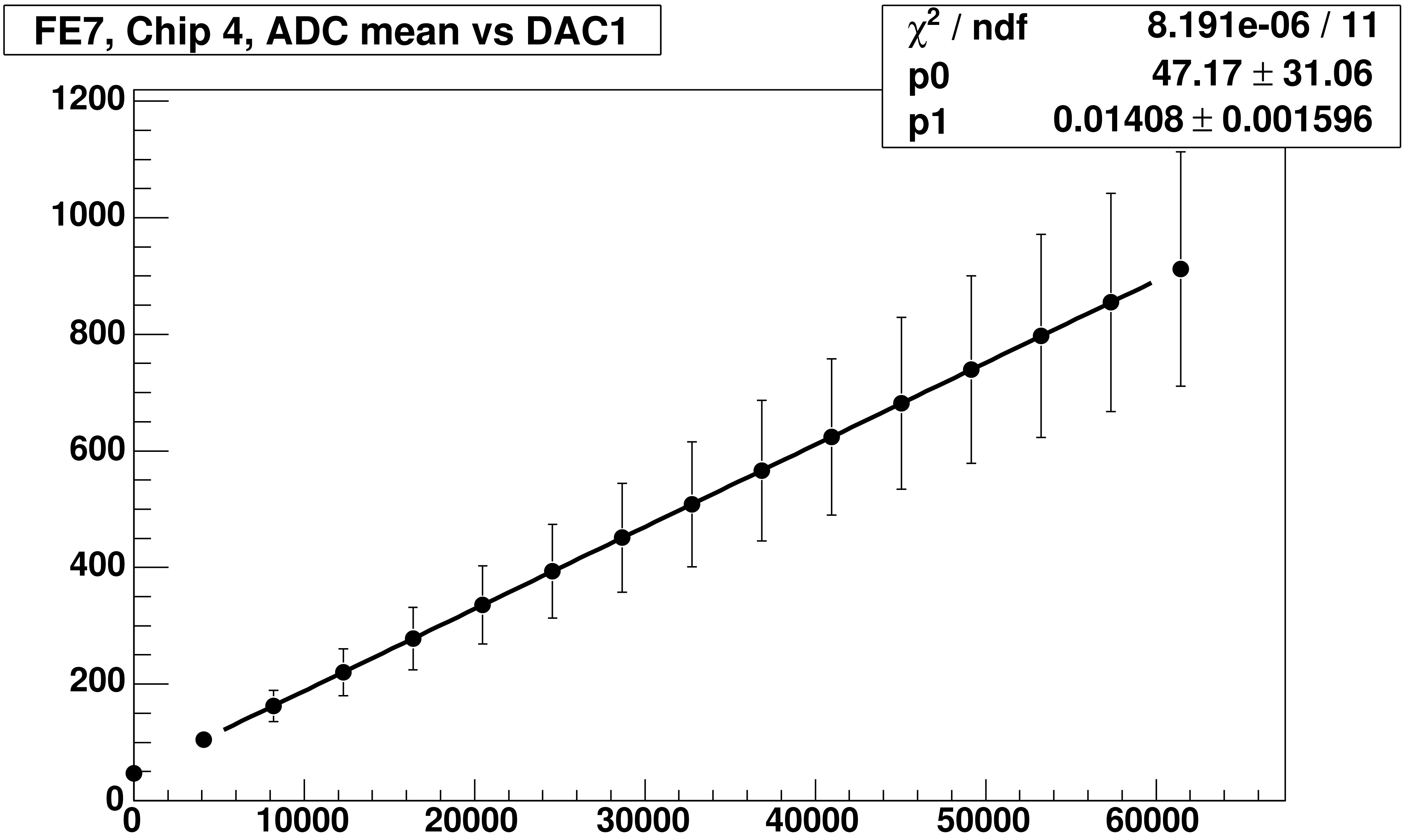
FE7, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 4, ADC mean vs DAC0
$\chi^2$ / ndf 0.002456 / 11
p0 48.7 ± 31.06
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

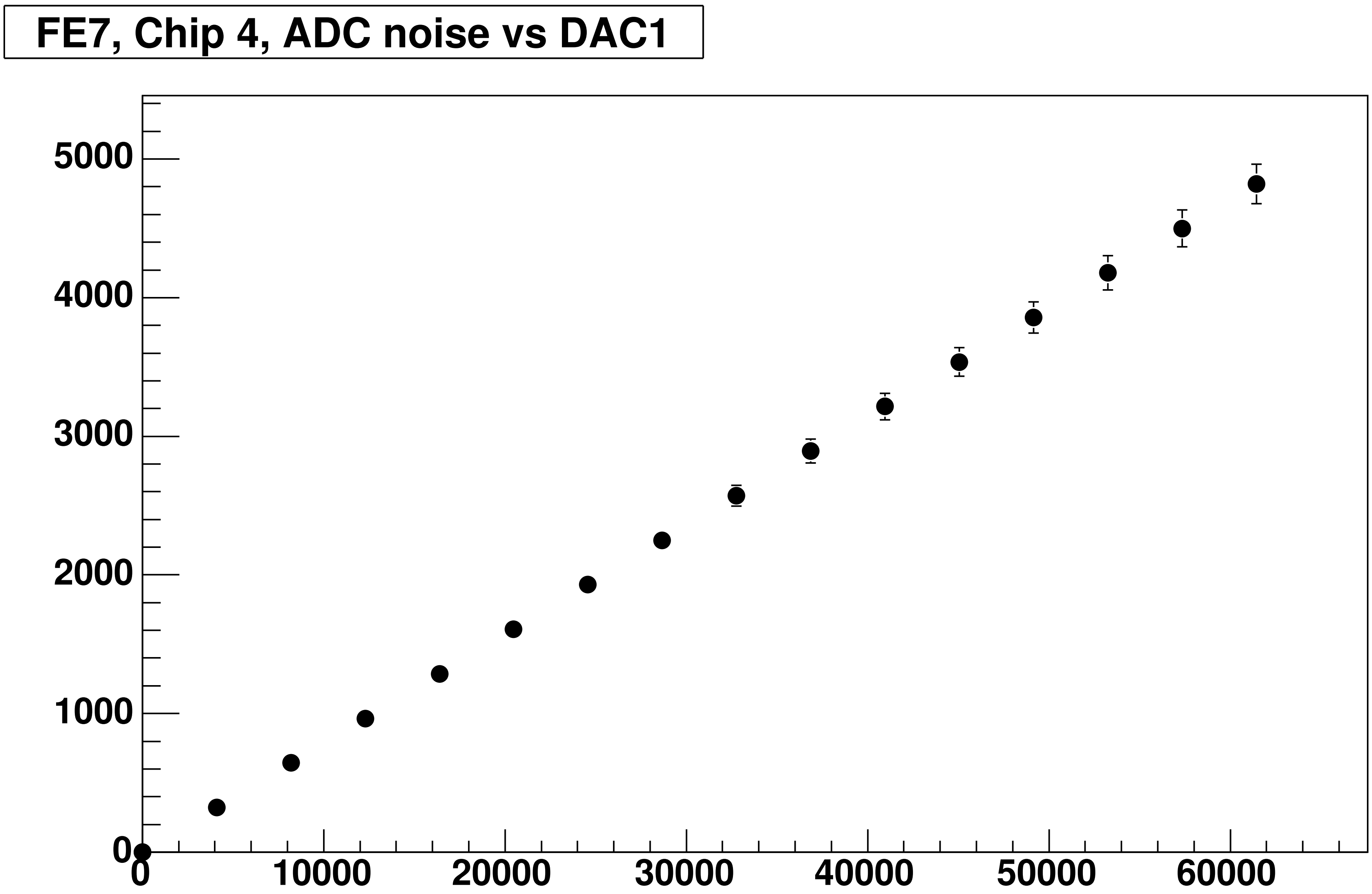

FE7, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

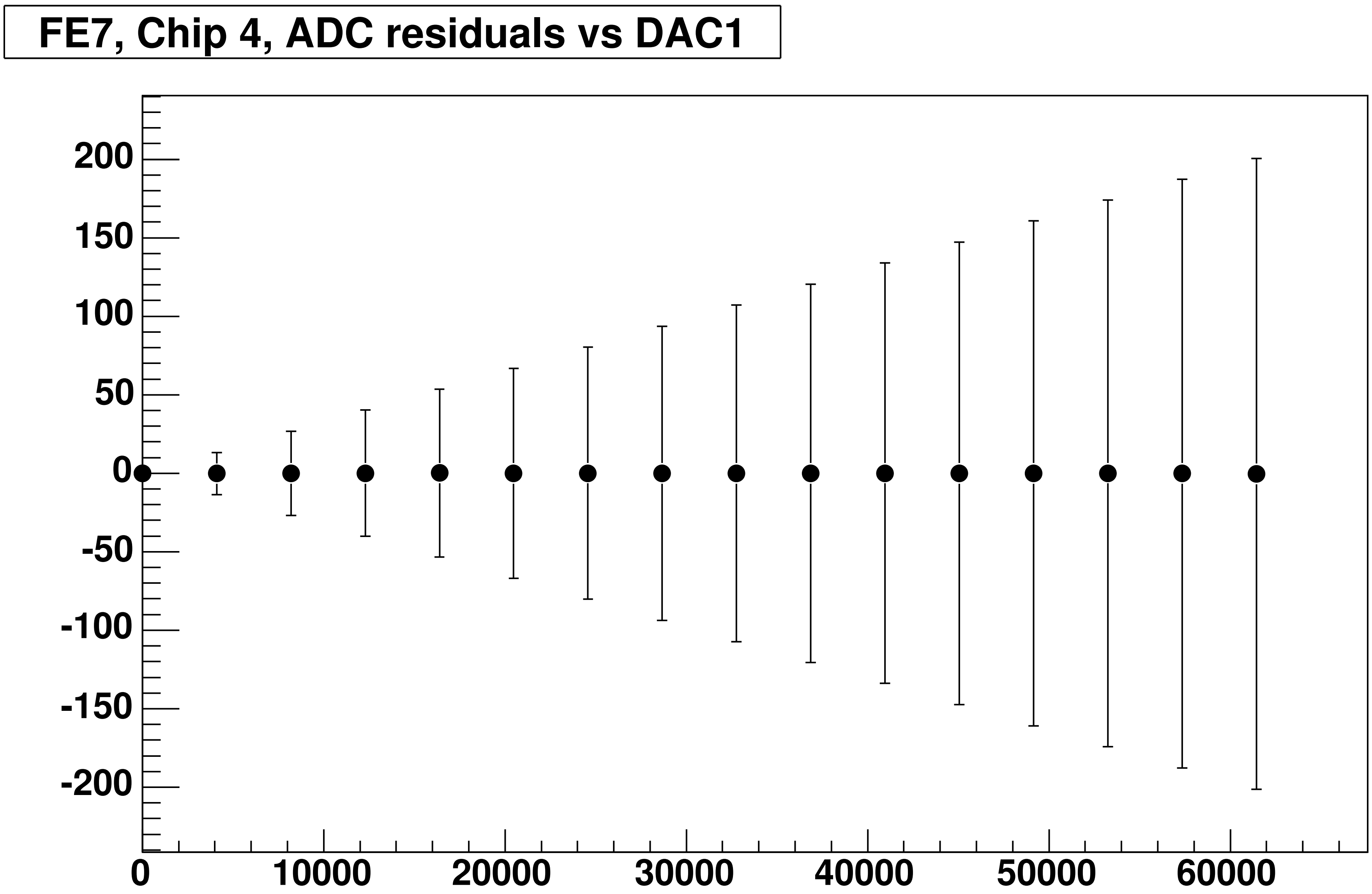


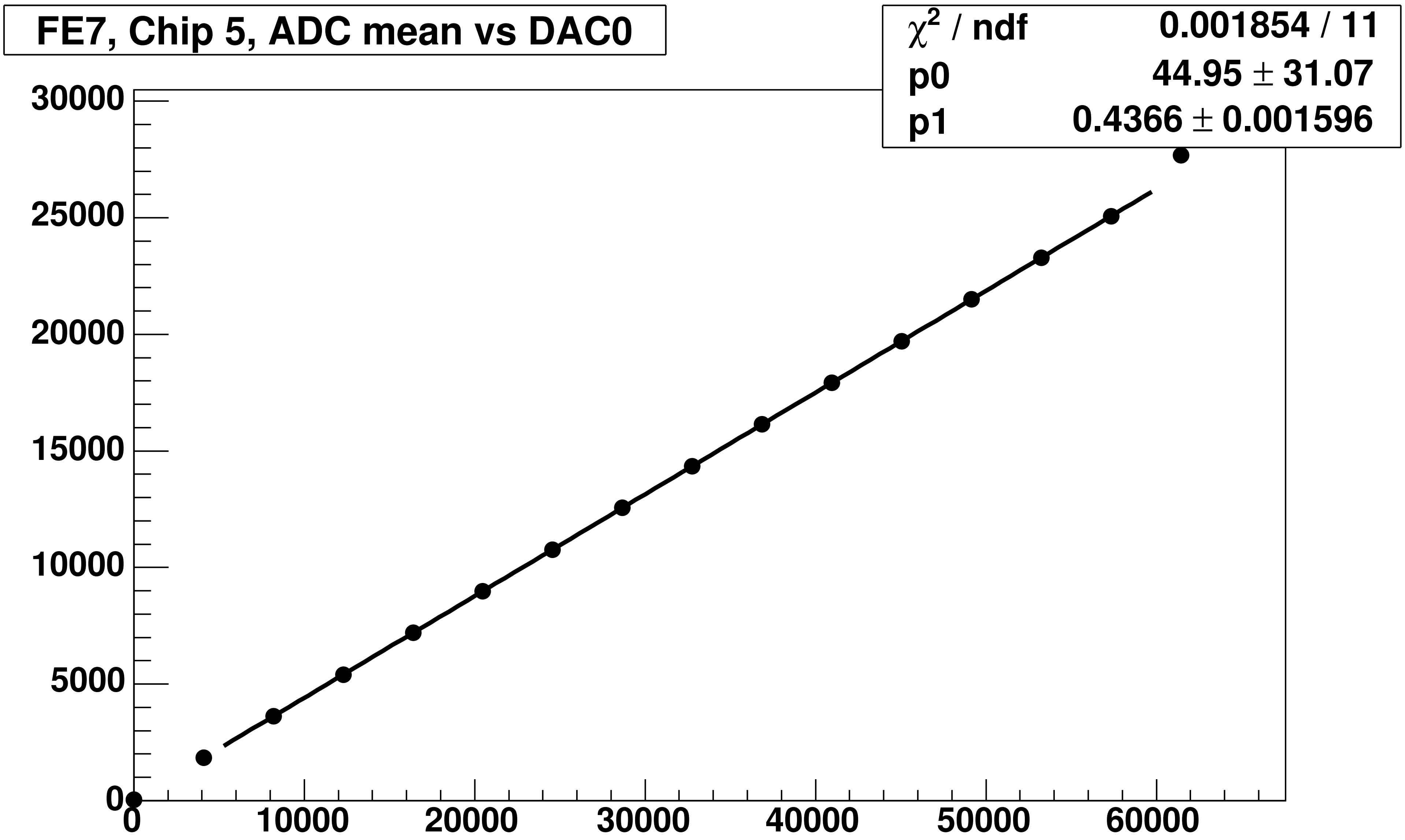
FE7, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



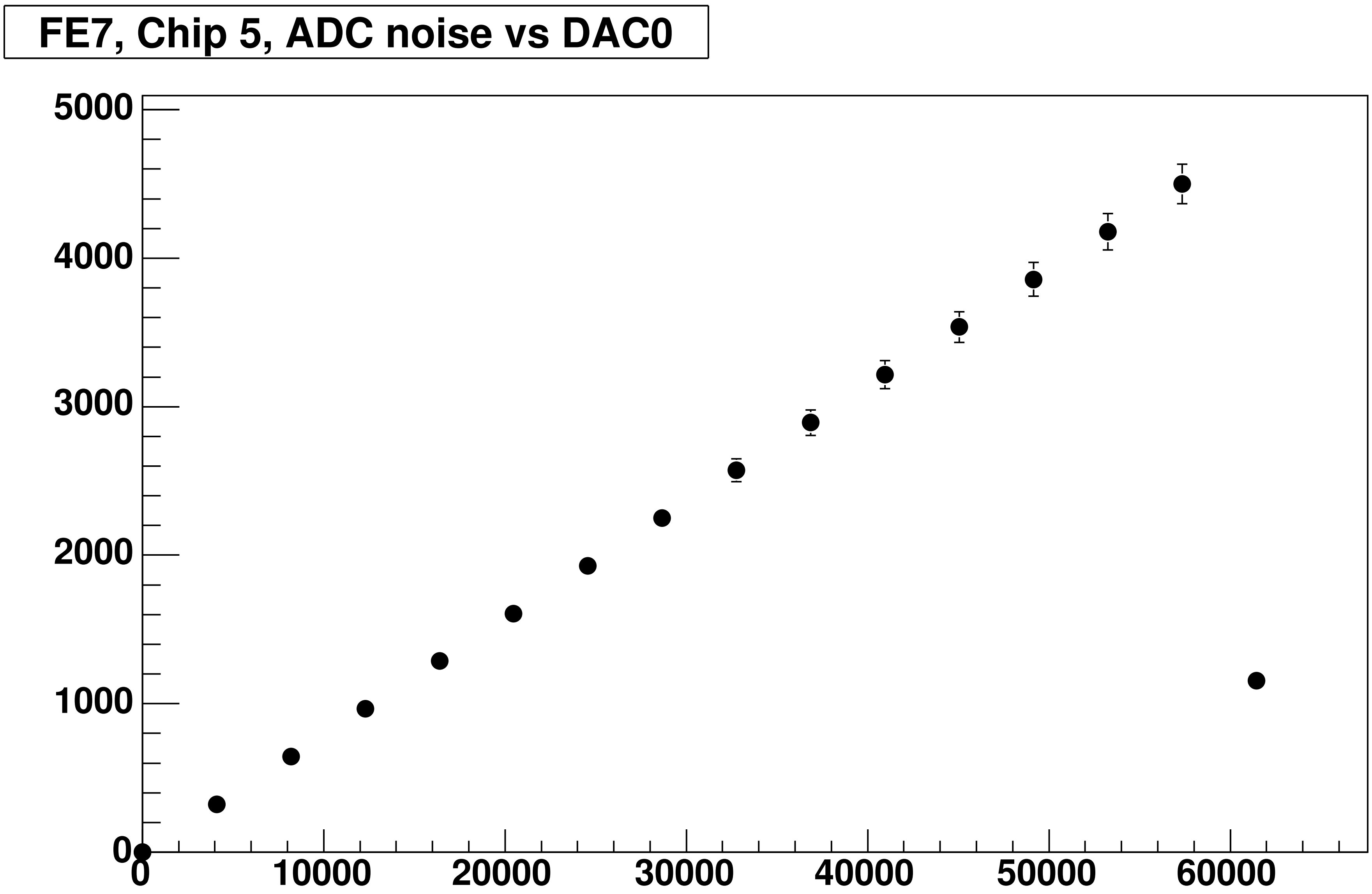
FE7, Chip 4, ADC mean vs DAC1
$\chi^2$ / ndf 8.191e-06 / 11
p0 47.17 ± 31.06
p1 0.01408 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

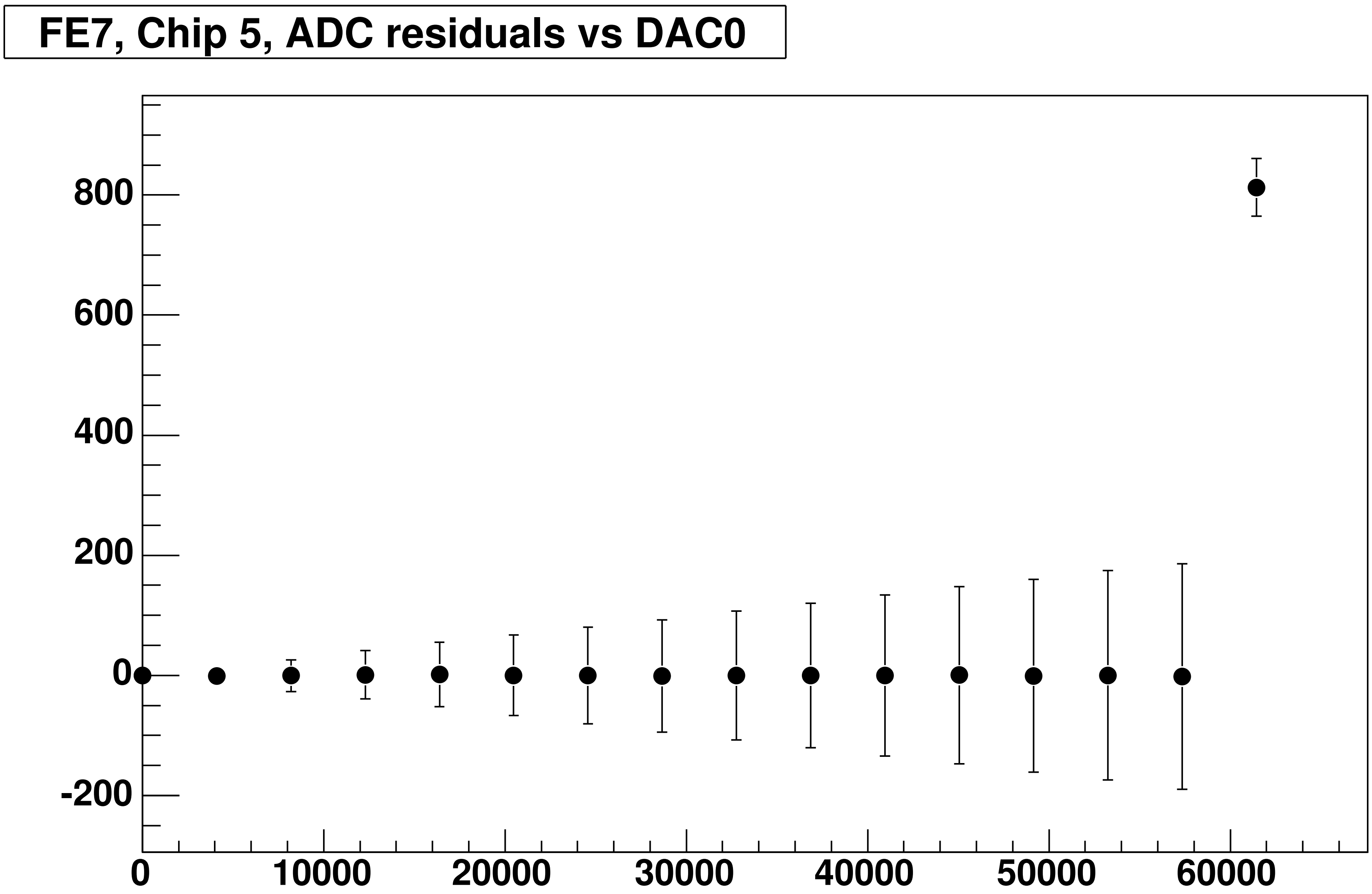

FE7, Chip 4, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

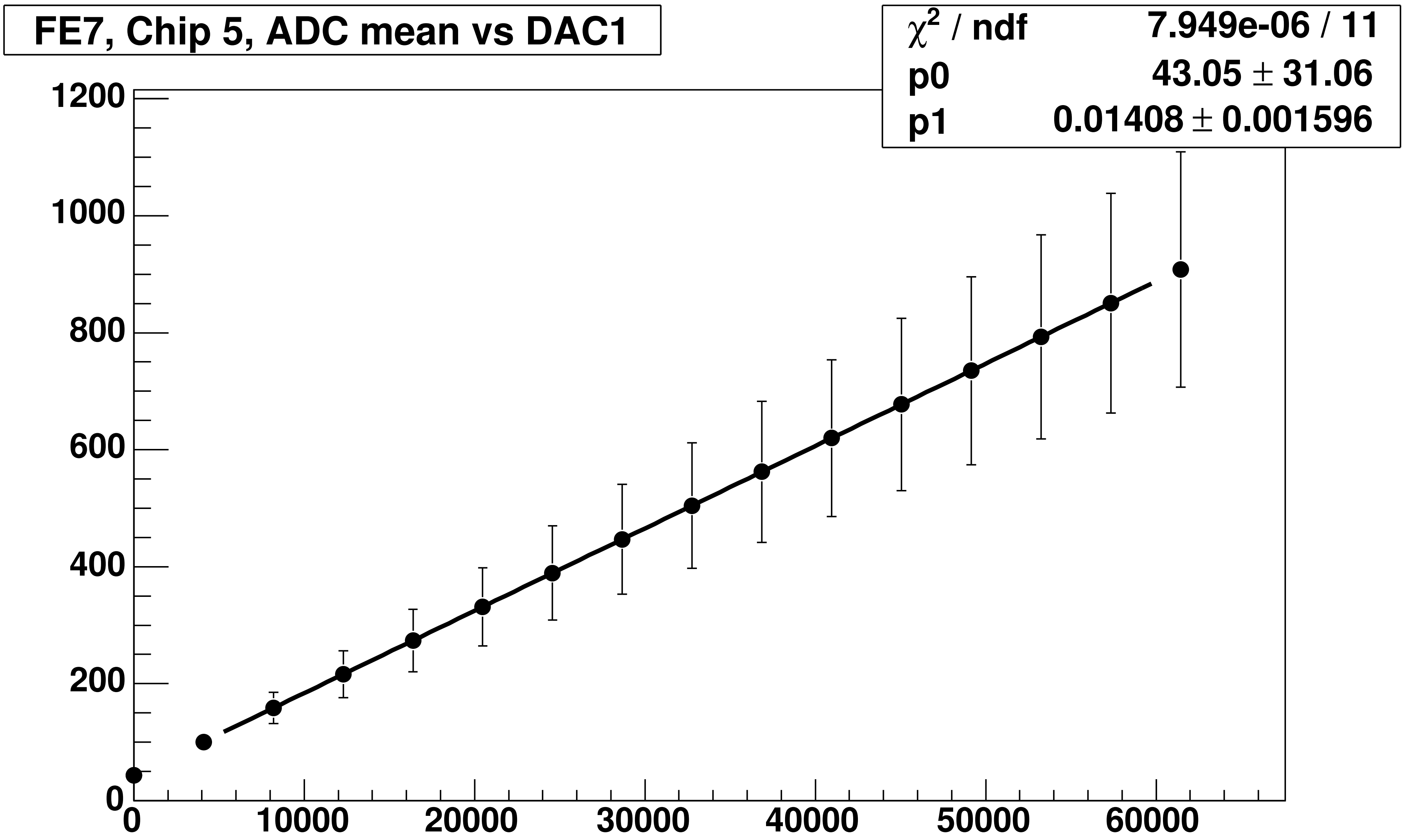

FE7, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

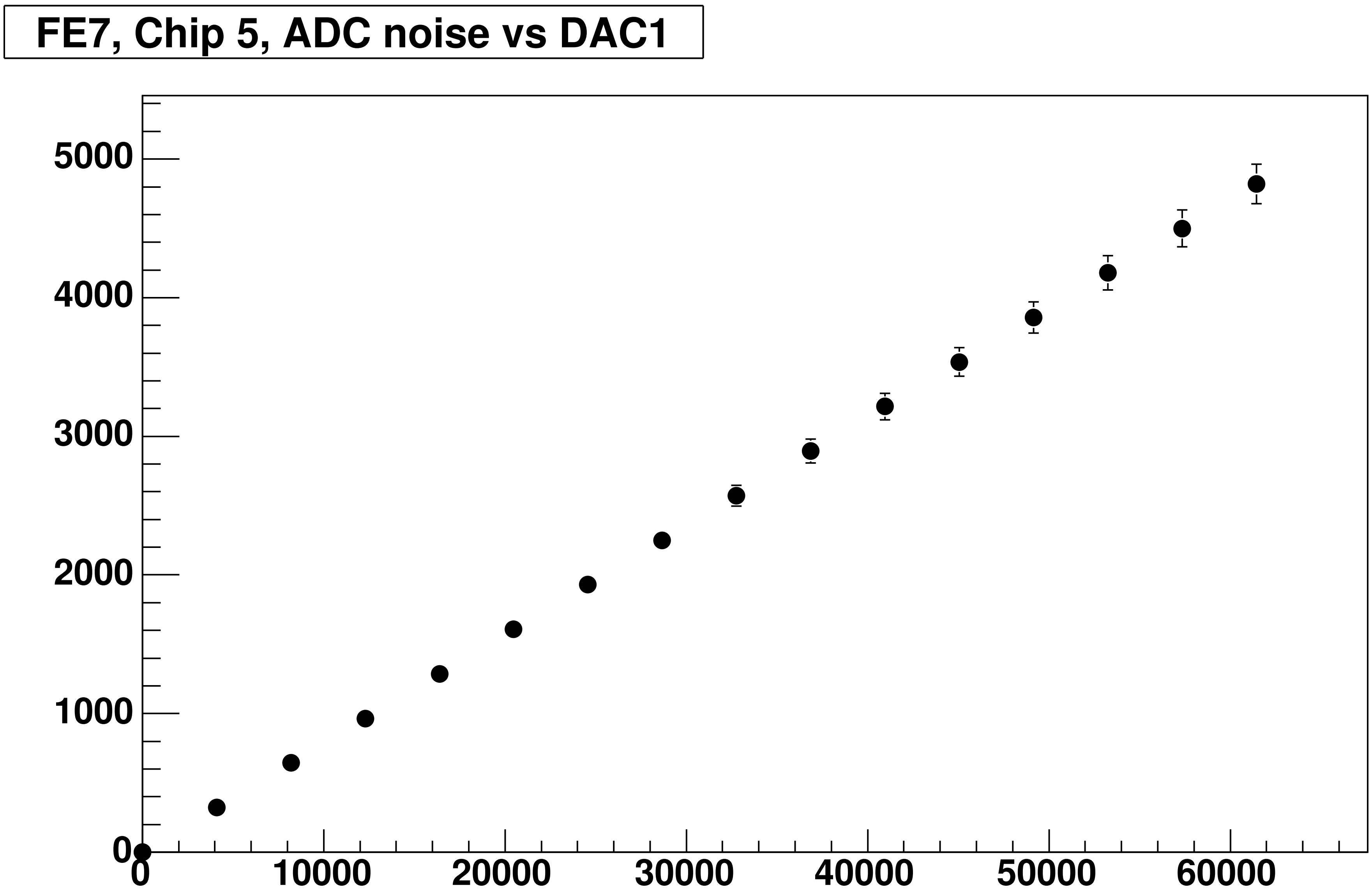


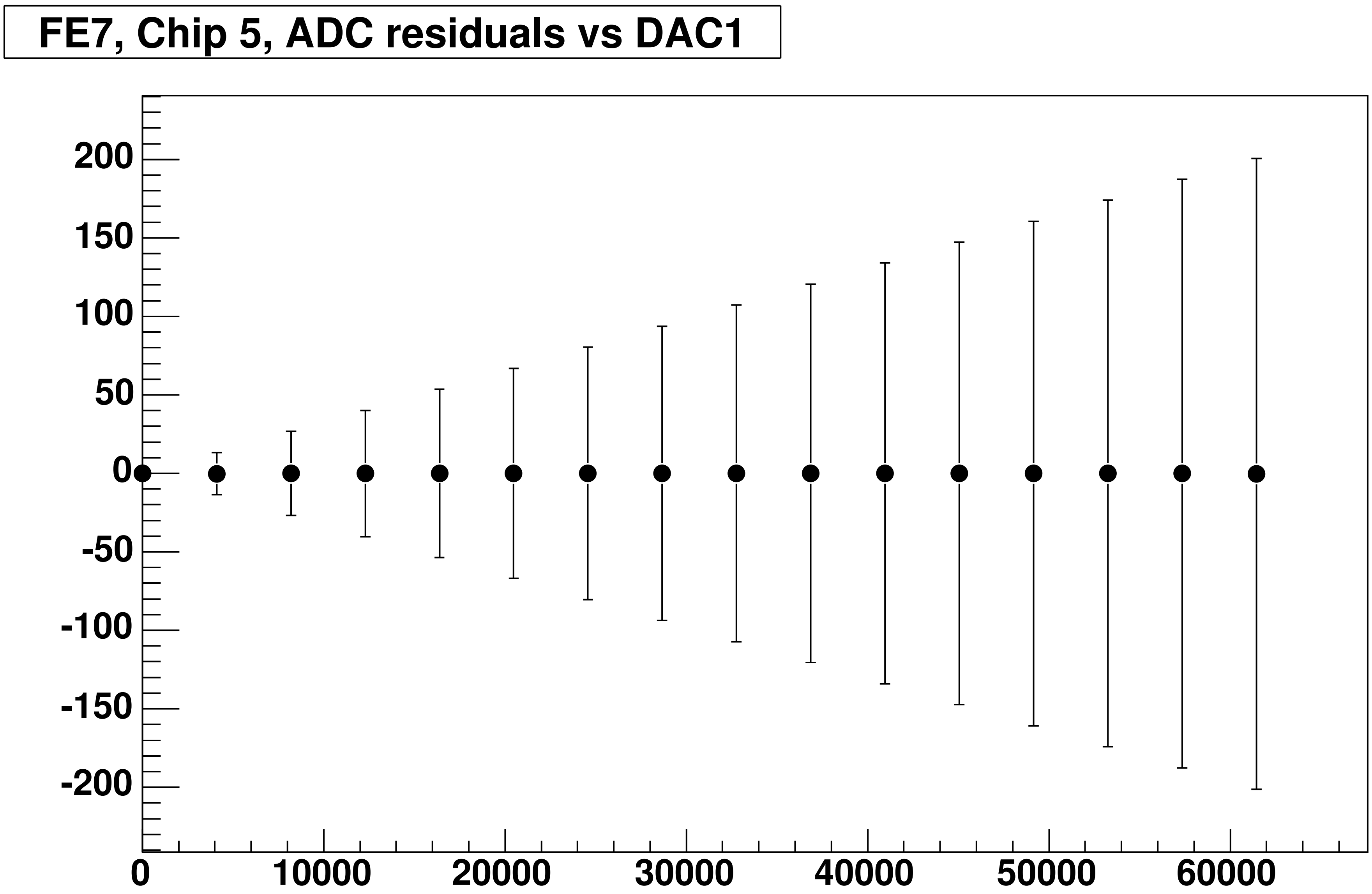
FE7, Chip 5, ADC mean vs DAC0
$\chi^2$ / ndf 0.001854 / 11
p0 44.95 ± 31.07
p1 0.4366 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

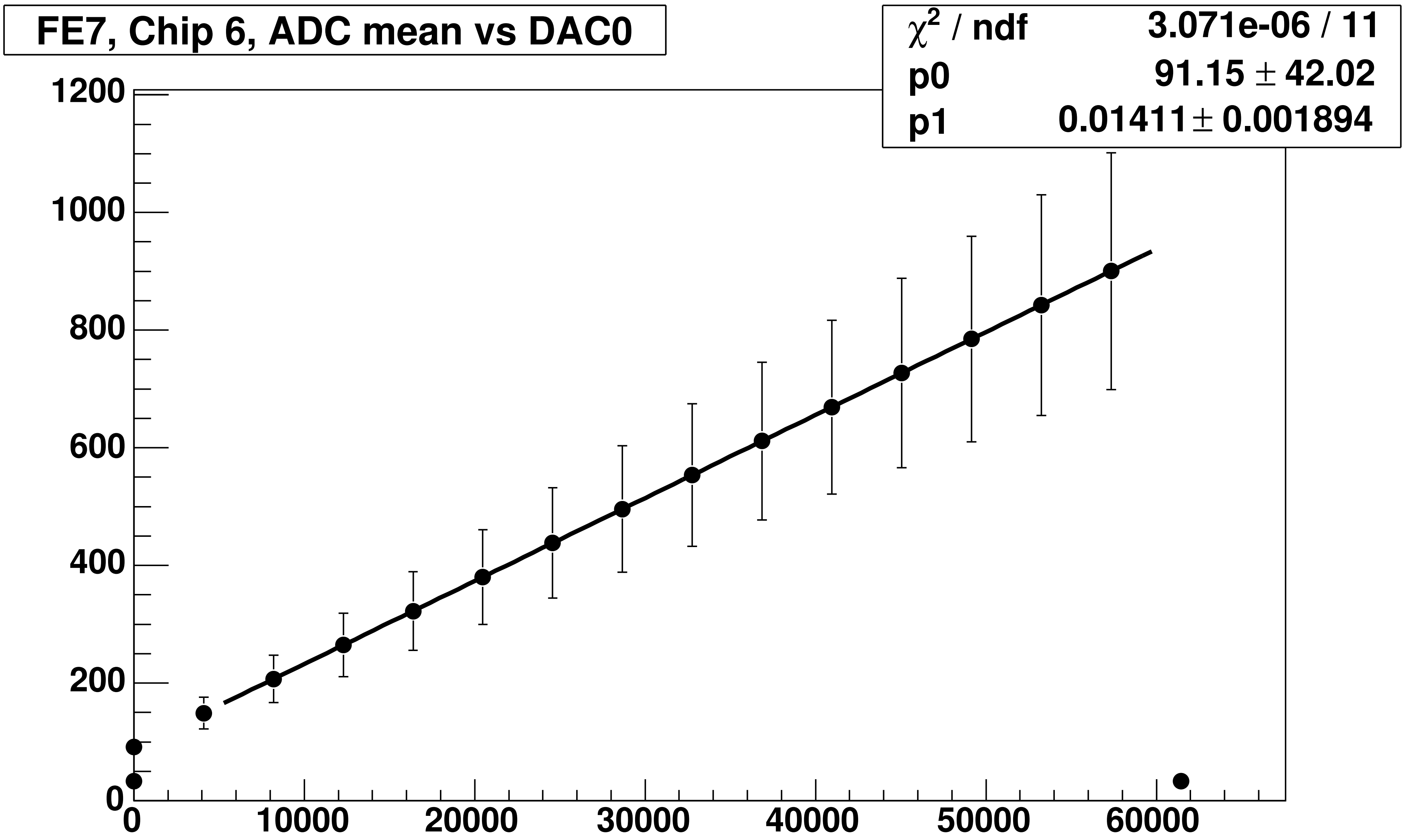

FE7, Chip 5, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

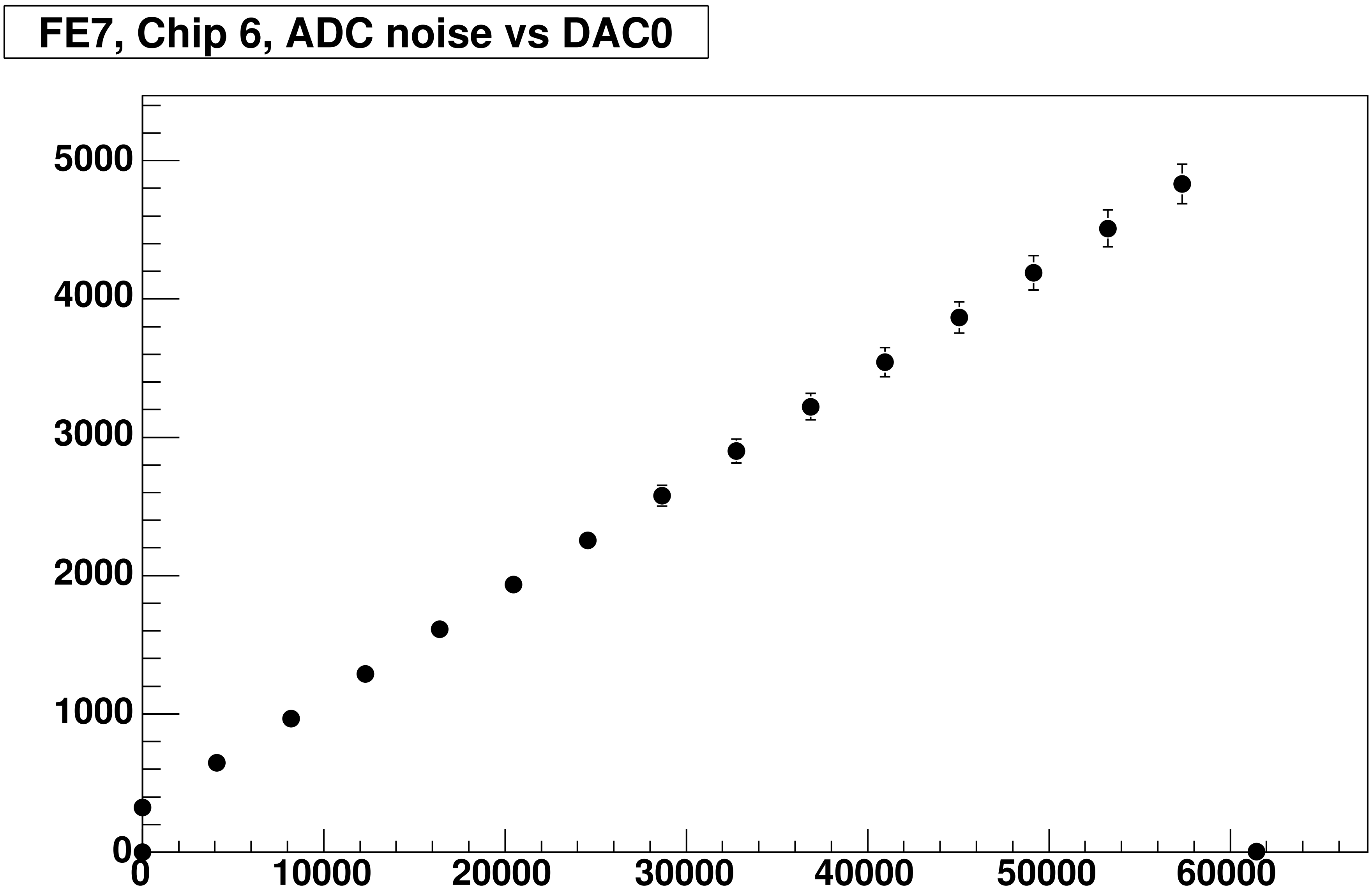

FE7, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

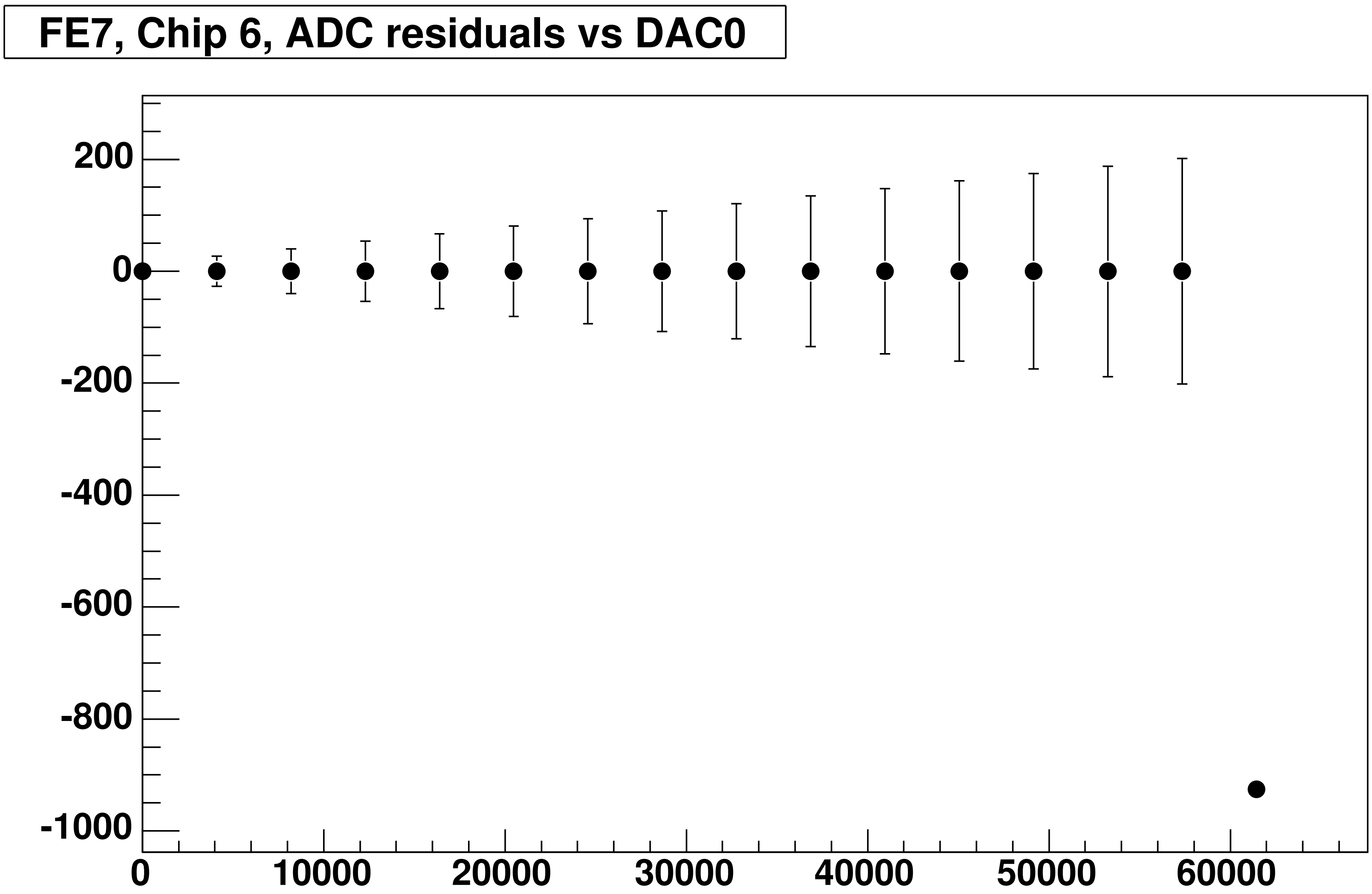

FE7, Chip 5, ADC mean vs DAC1
$\chi^2$ / ndf 7.949e-06 / 11
p0 43.05 ± 31.06
p1 0.01408 ± 0.001596
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

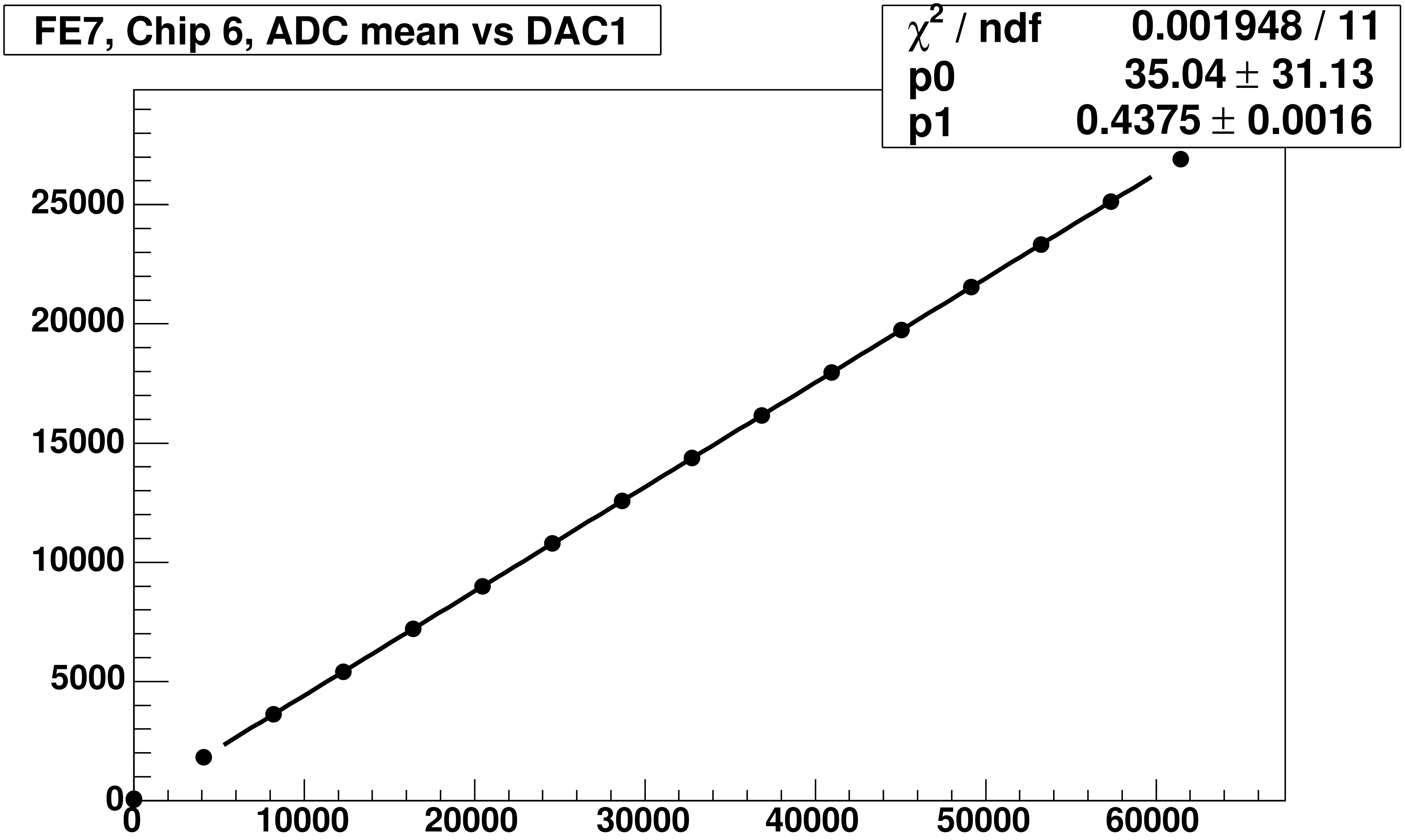

FE7, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

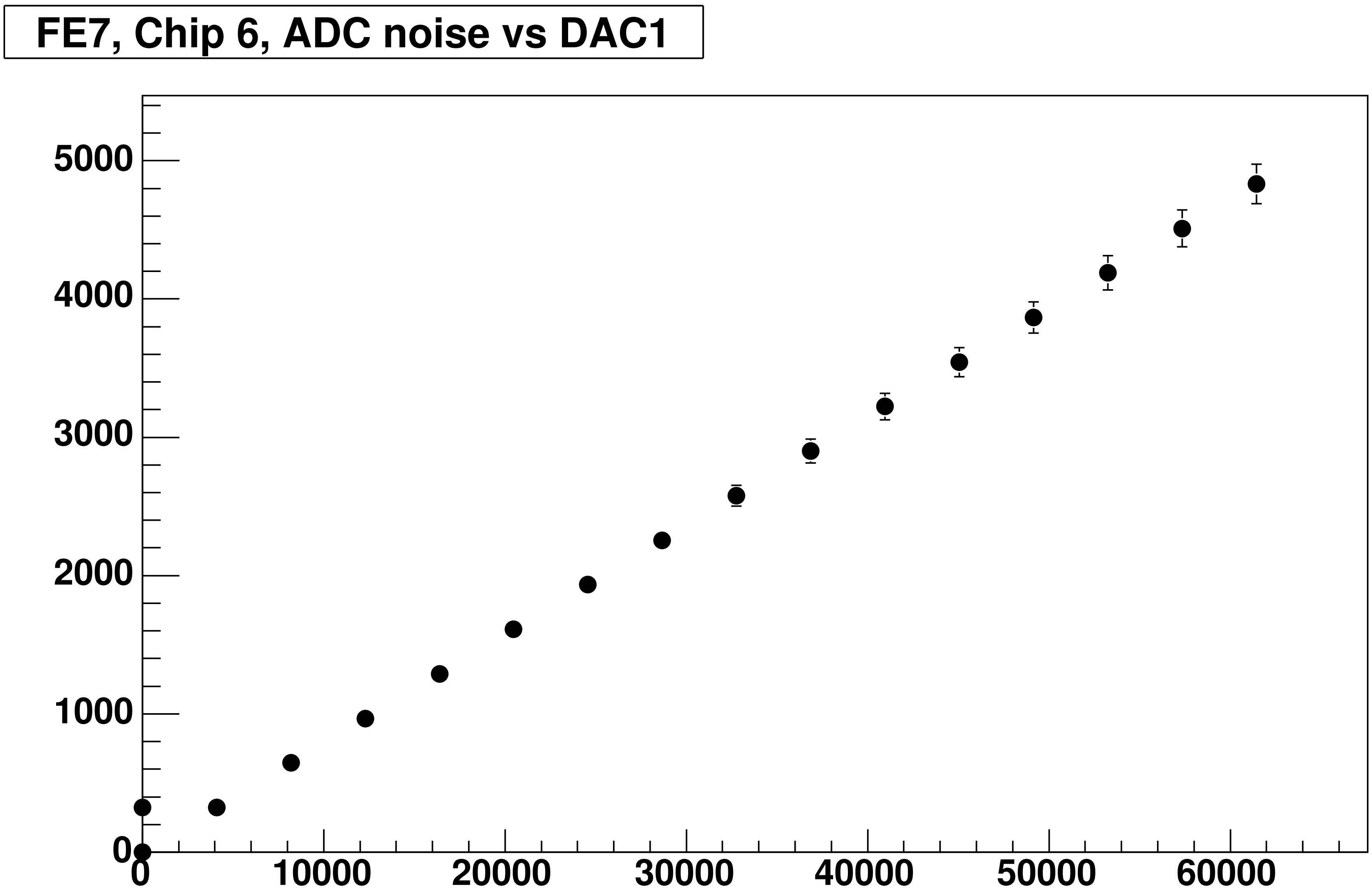

FE7, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

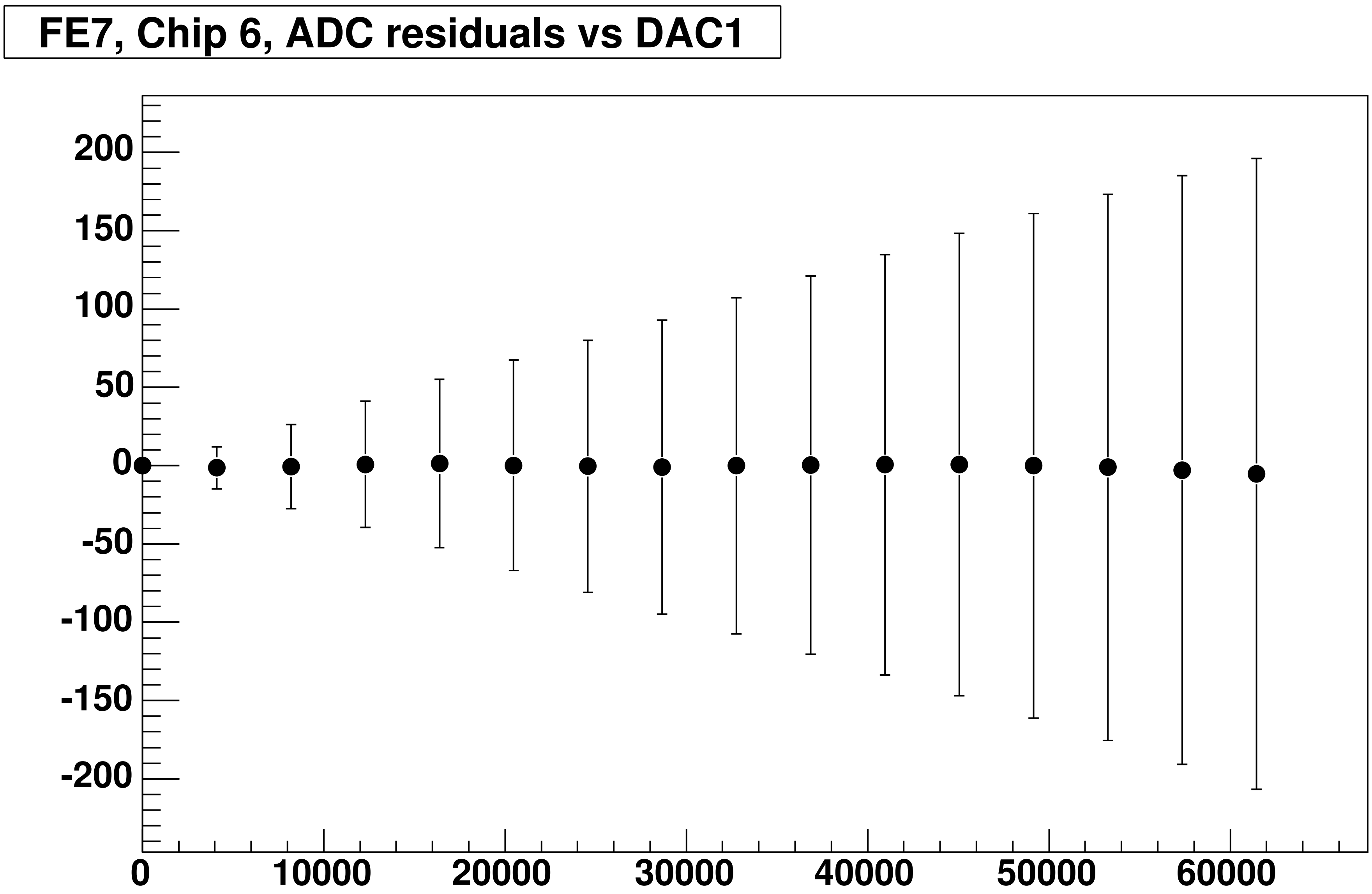

FE7, Chip 6, ADC mean vs DAC0
$\chi^2$ / ndf 3.071e-06 / 11
p0 91.15 ± 42.02
p1 0.01411 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

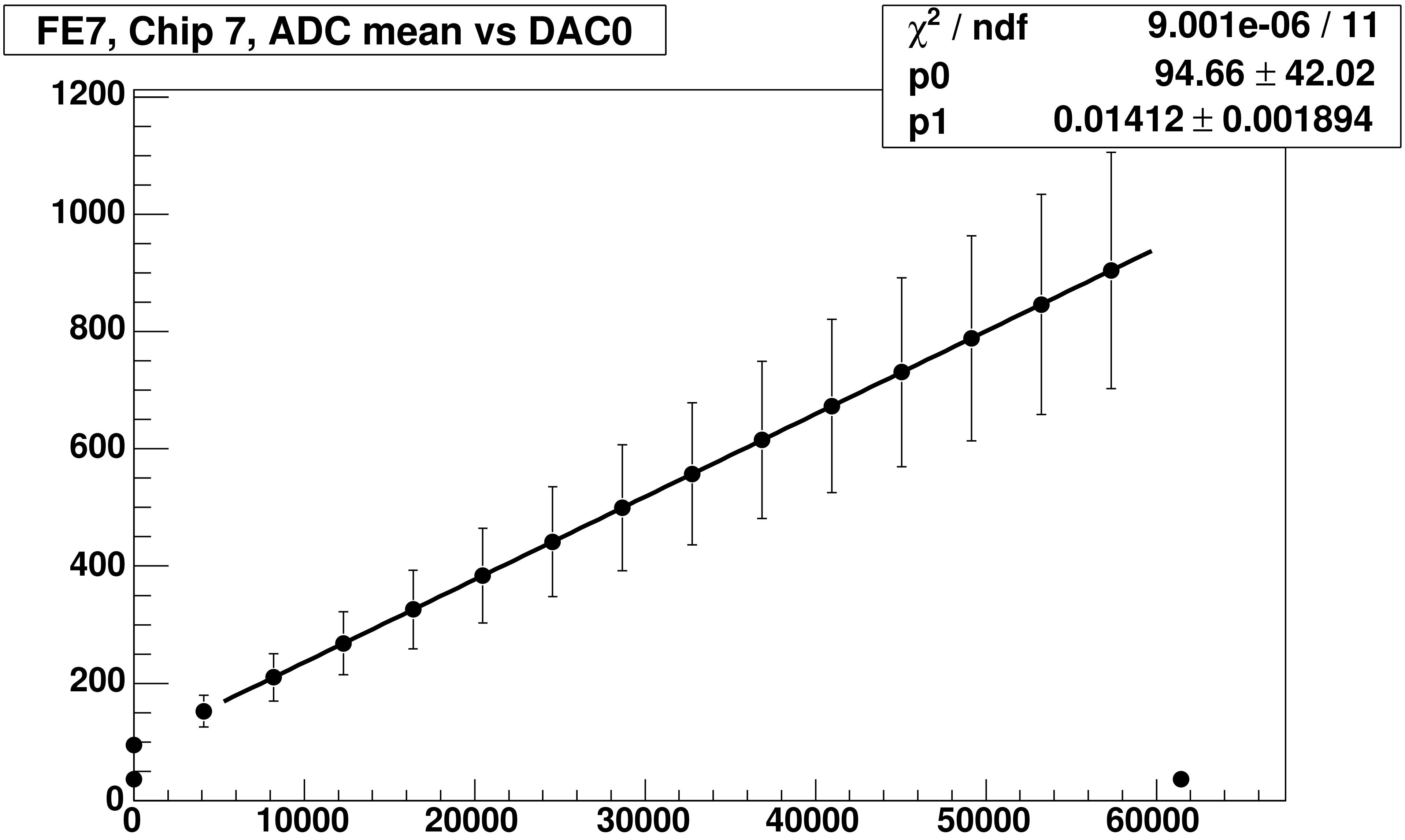

FE7, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

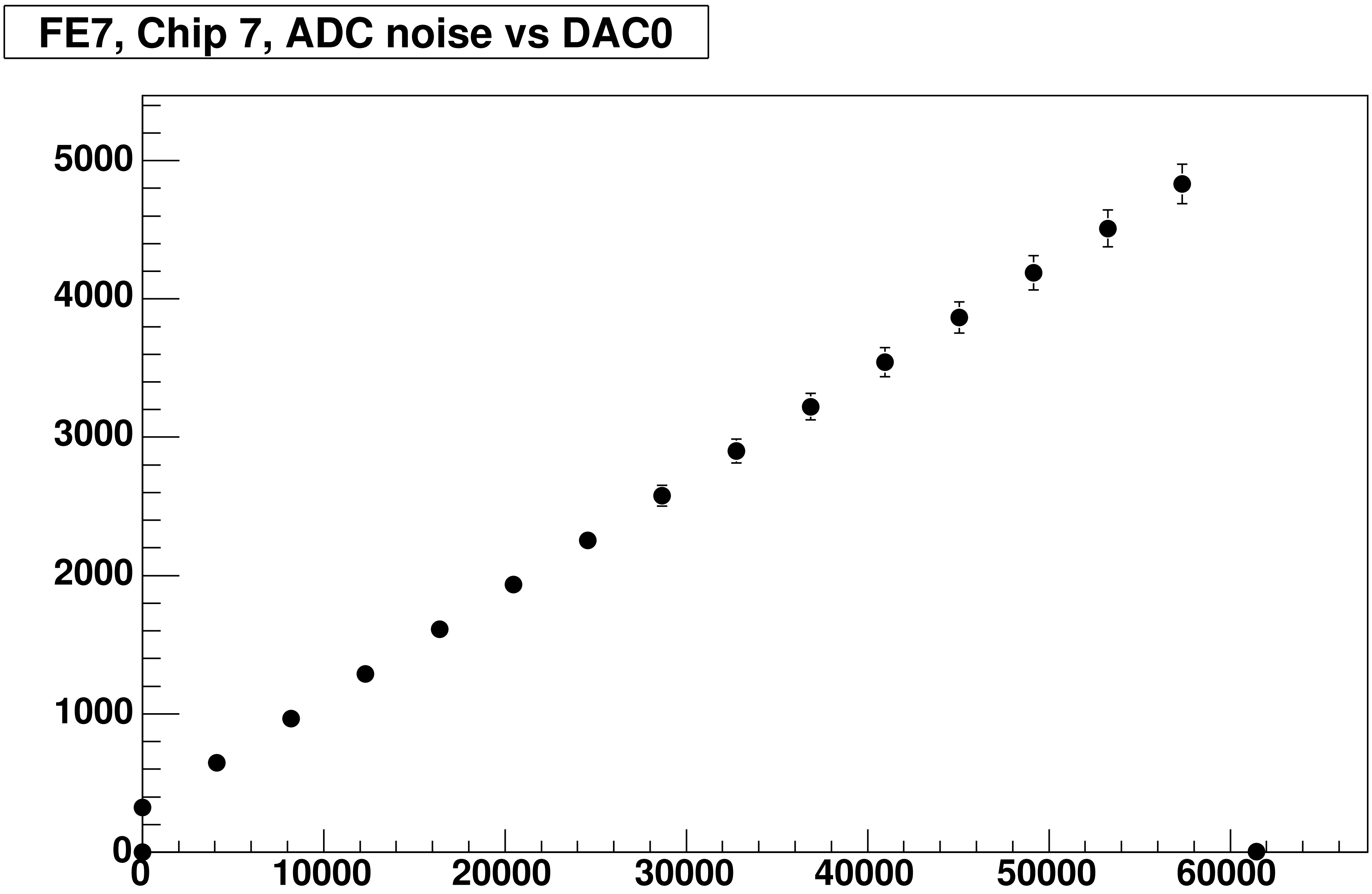

FE7, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

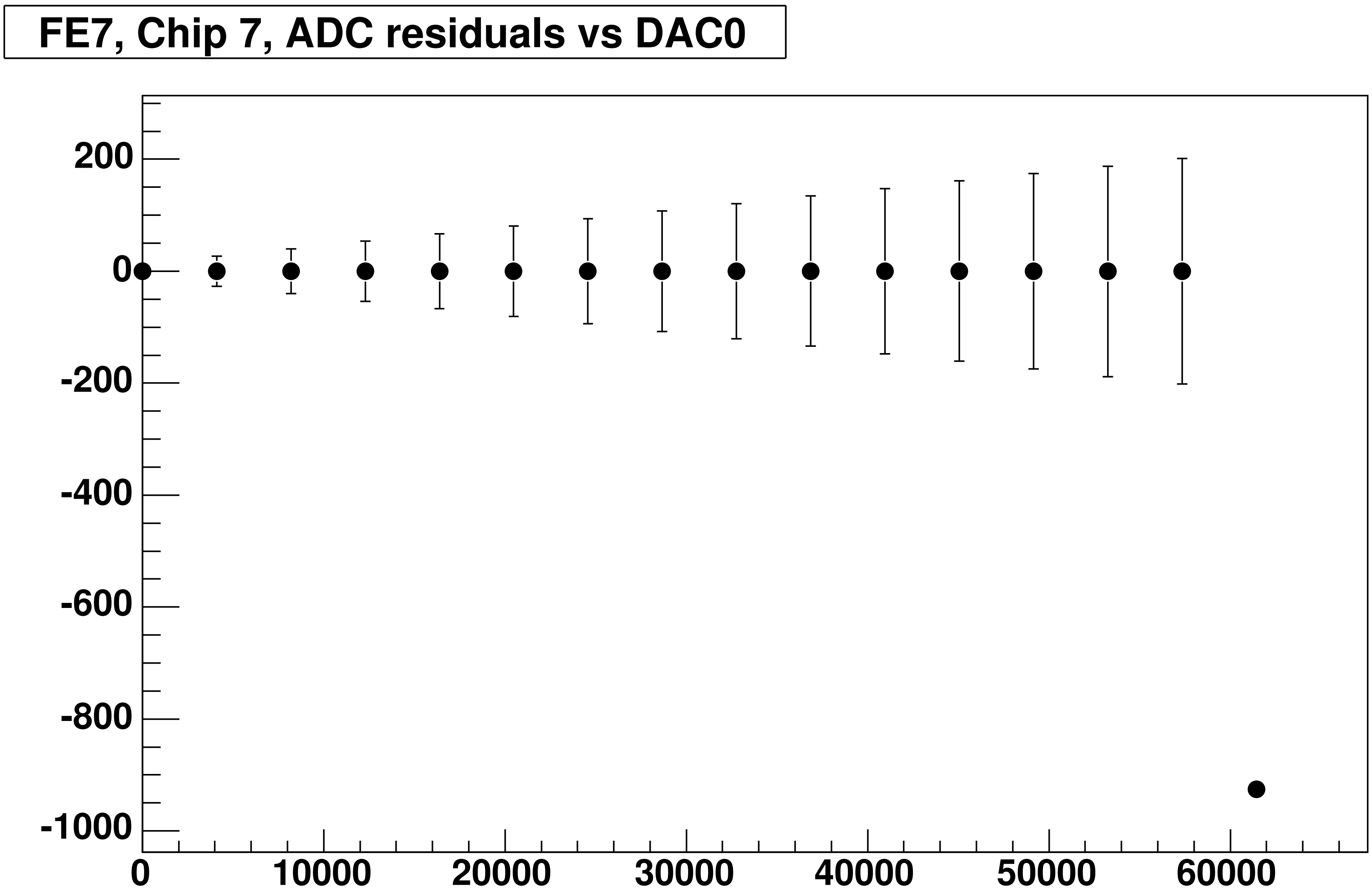

FE7, Chip 6, ADC mean vs DAC1
$\chi^2$ / ndf 0.001948 / 11
p0 35.04 ± 31.13
p1 0.4375 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

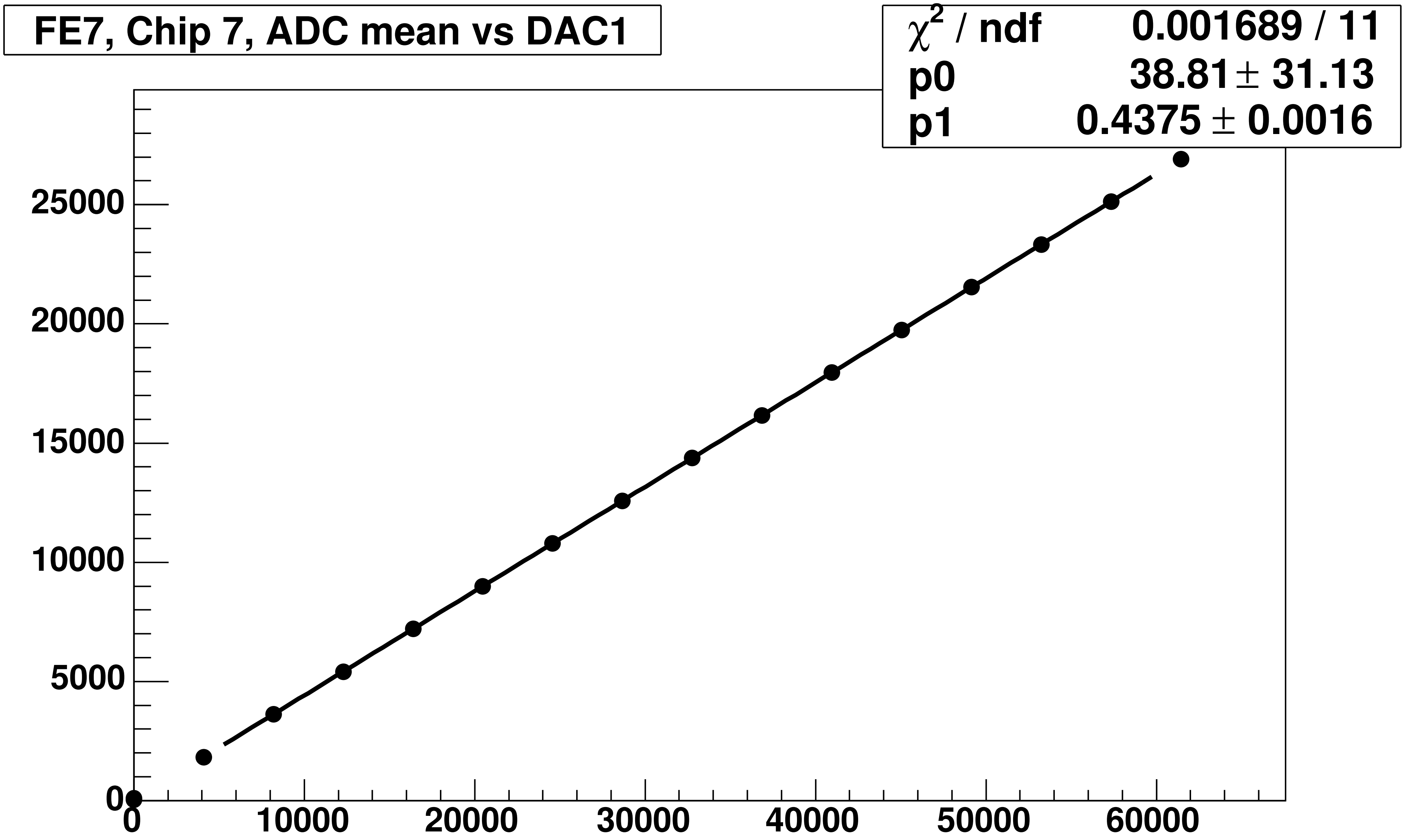

FE7, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

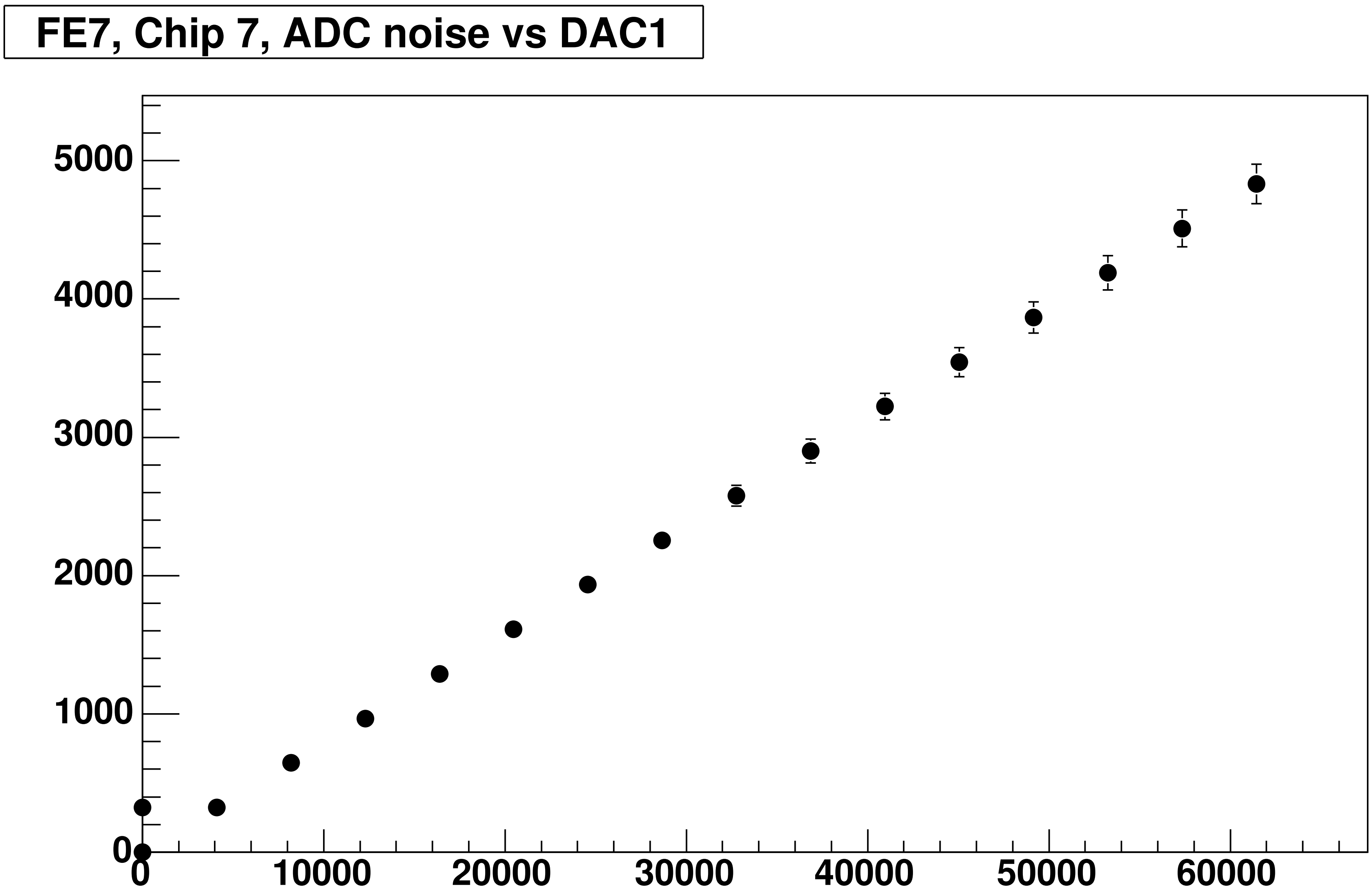

FE7, Chip 7, ADC mean vs DAC0
$\chi^2$ / ndf 9.001e-06 / 11
p0 94.66 ± 42.02
p1 0.01412 ± 0.001894
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

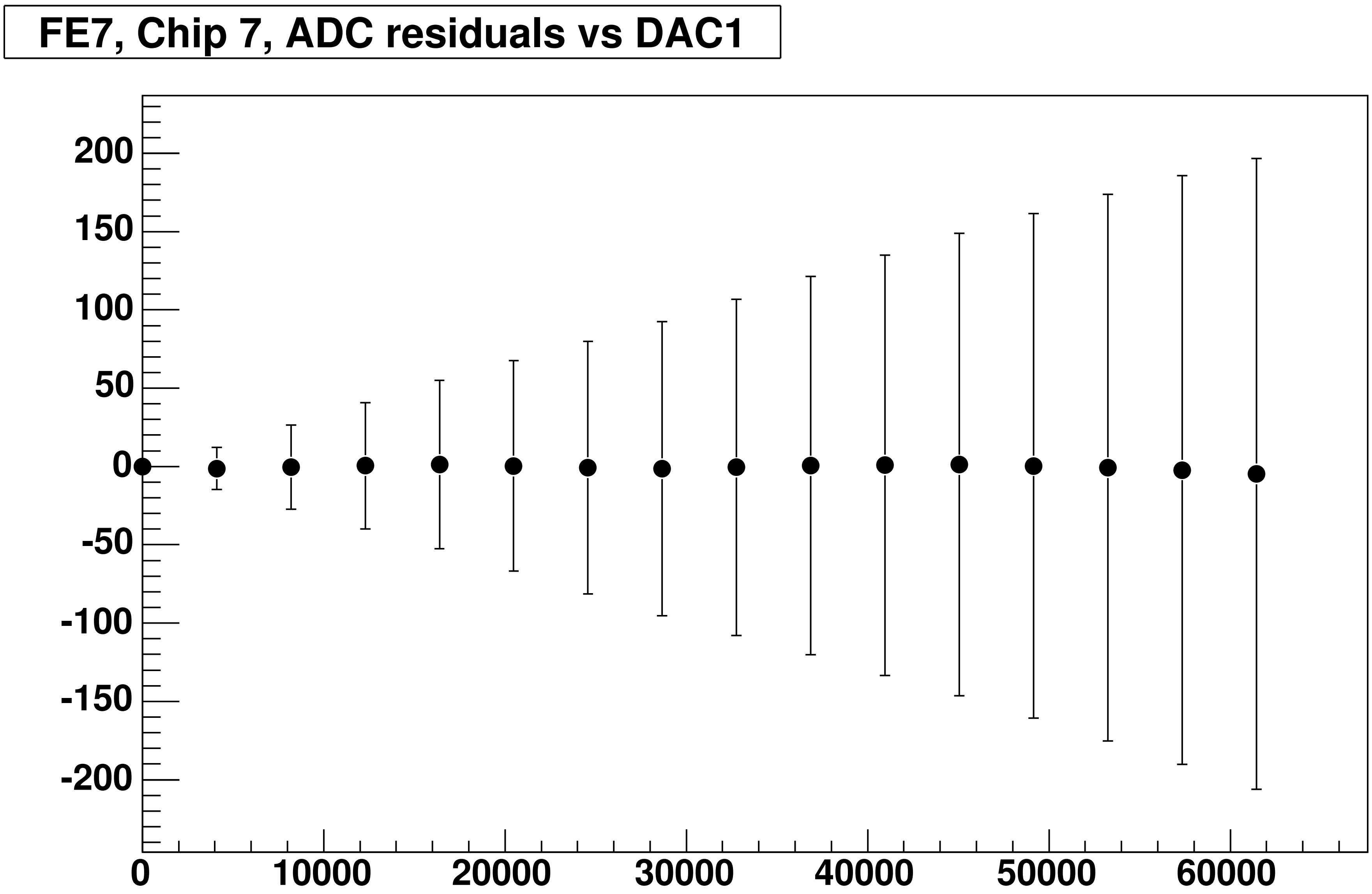

FE7, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

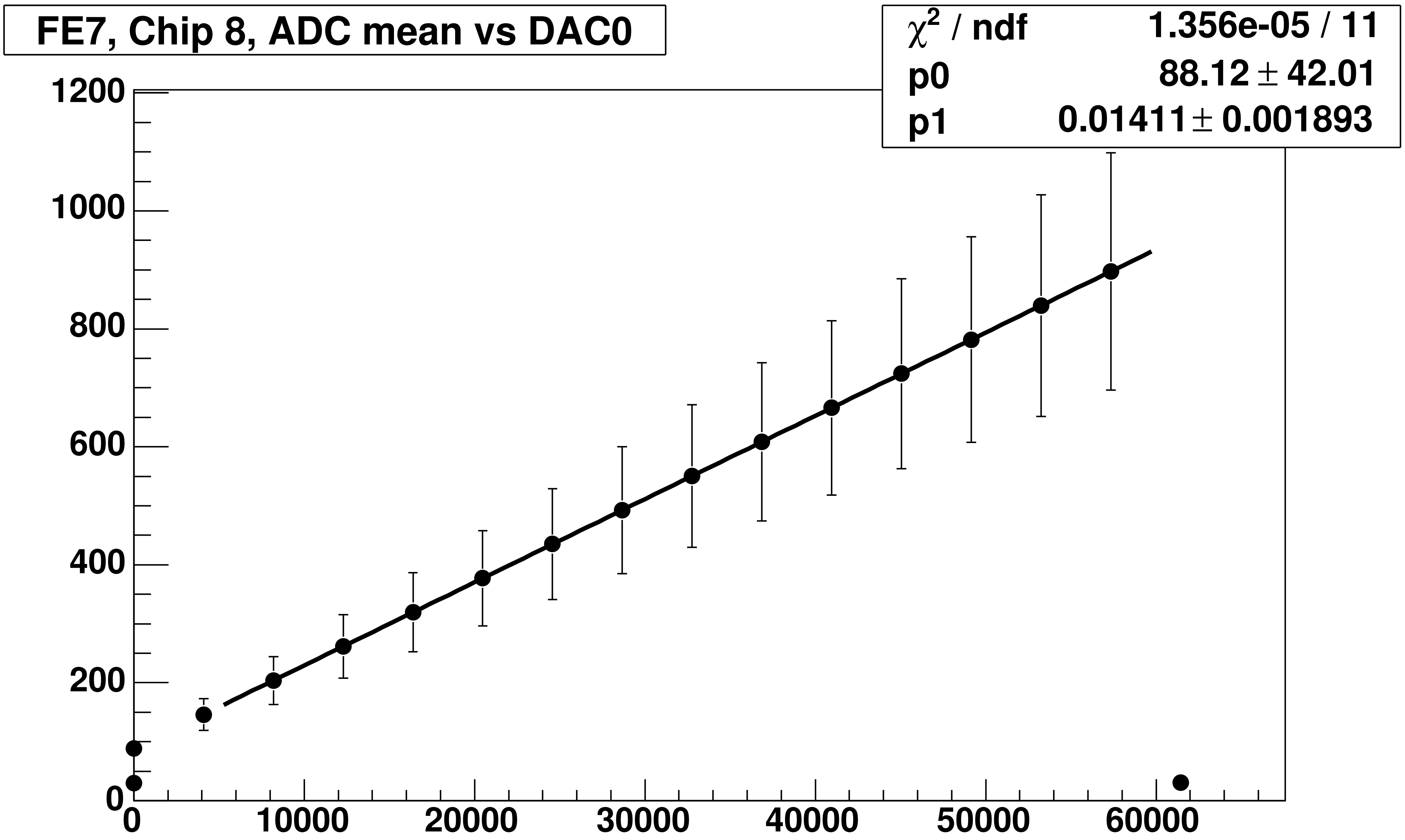

FE7, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



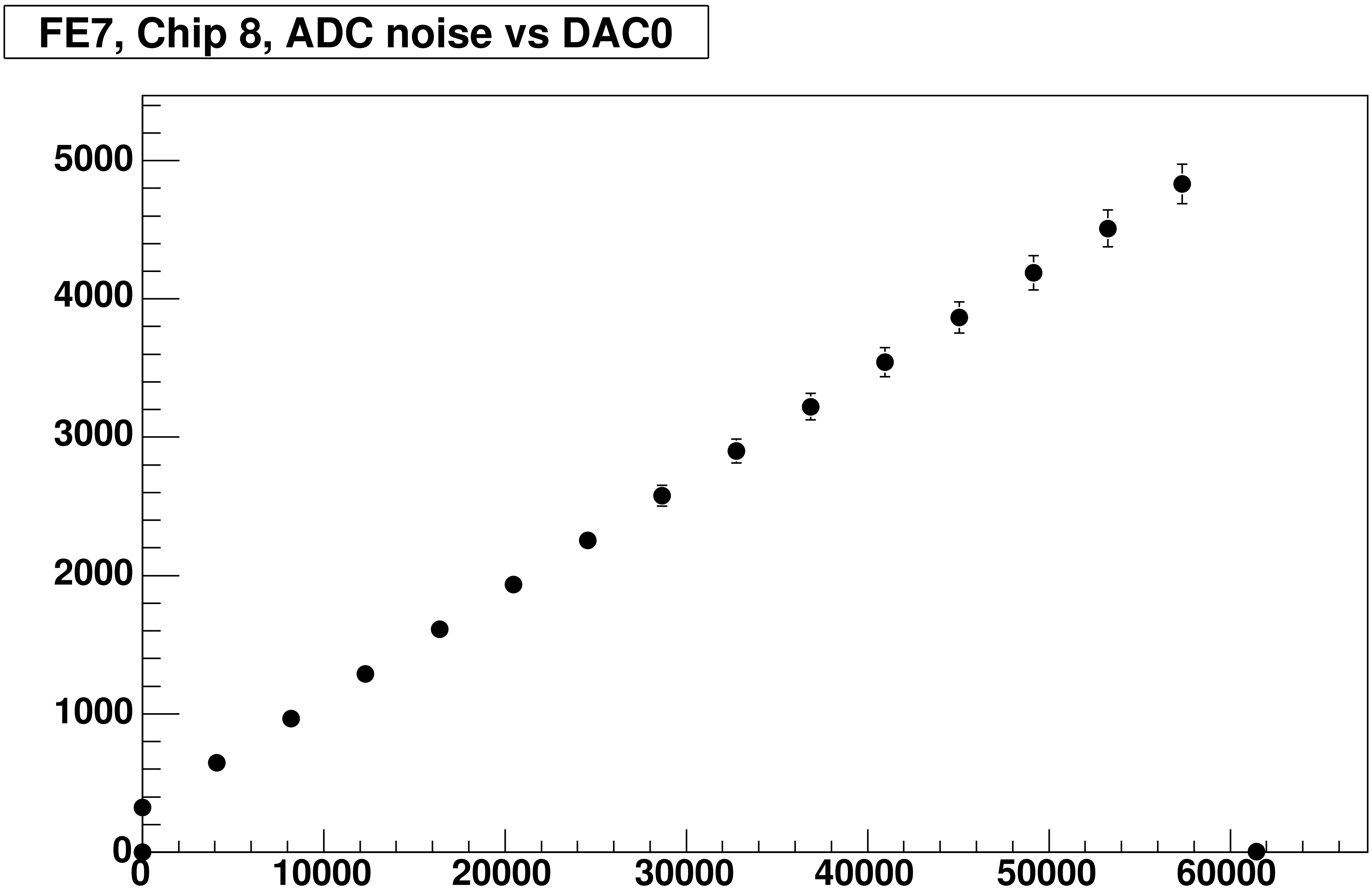
FE7, Chip 7, ADC mean vs DAC1
$\chi^2$ / ndf 0.001689 / 11
p0 38.81 ± 31.13
p1 0.4375 ± 0.0016
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

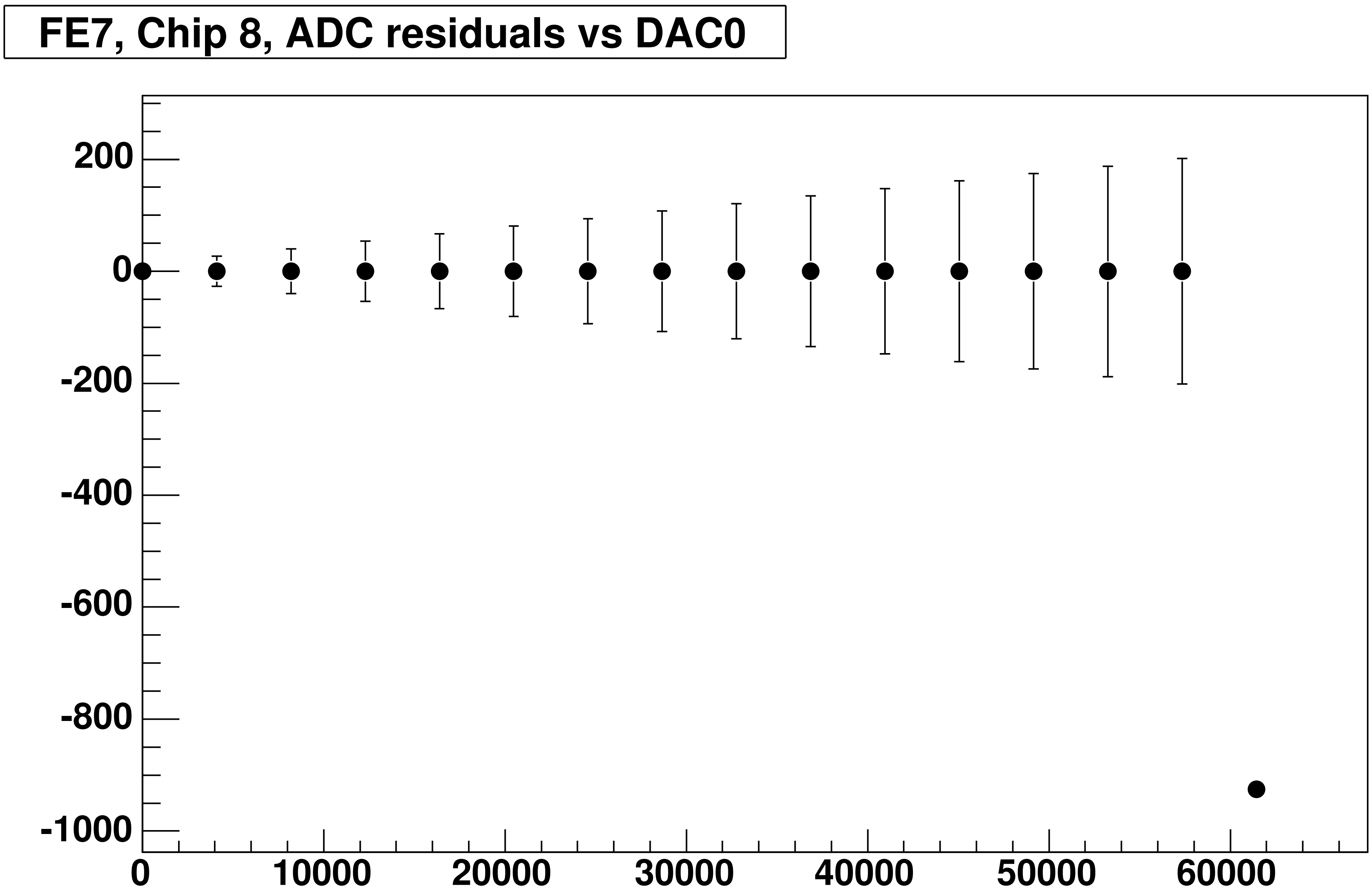

FE7, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



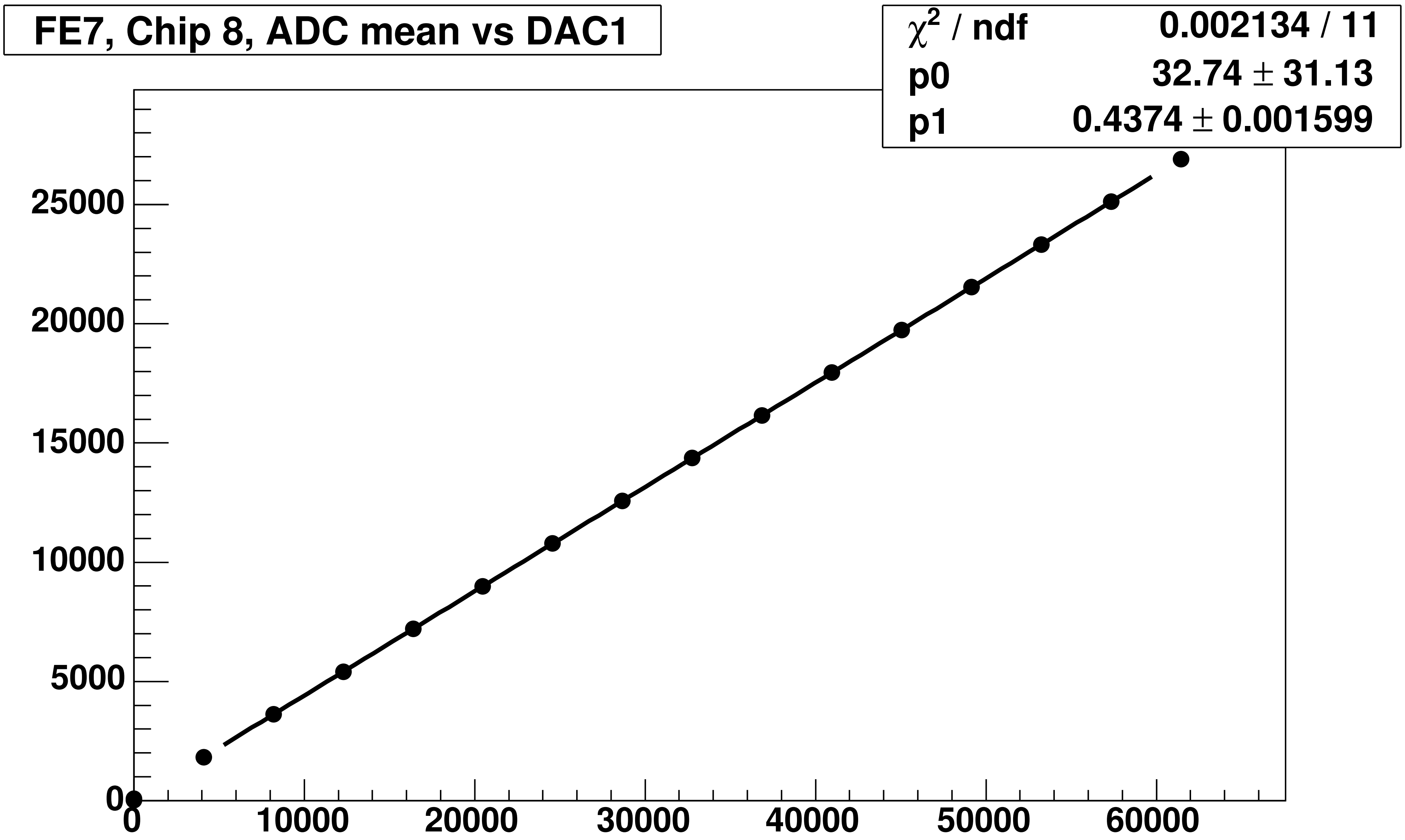
FE7, Chip 8, ADC mean vs DAC0
$\chi^2$ / ndf 1.356e-05 / 11
p0 88.12 ± 42.01
p1 0.01411 ± 0.001893
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000



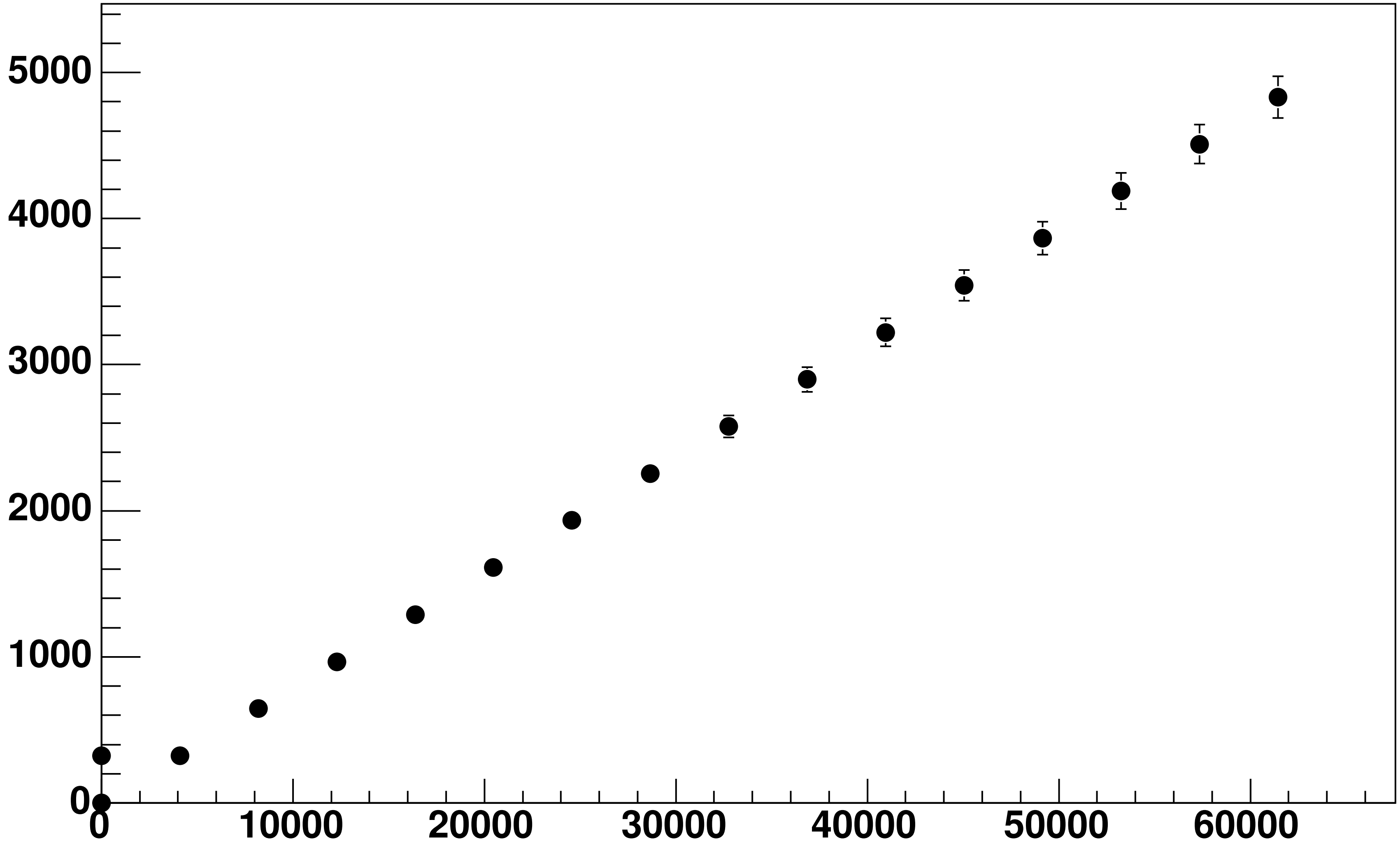
FE7, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



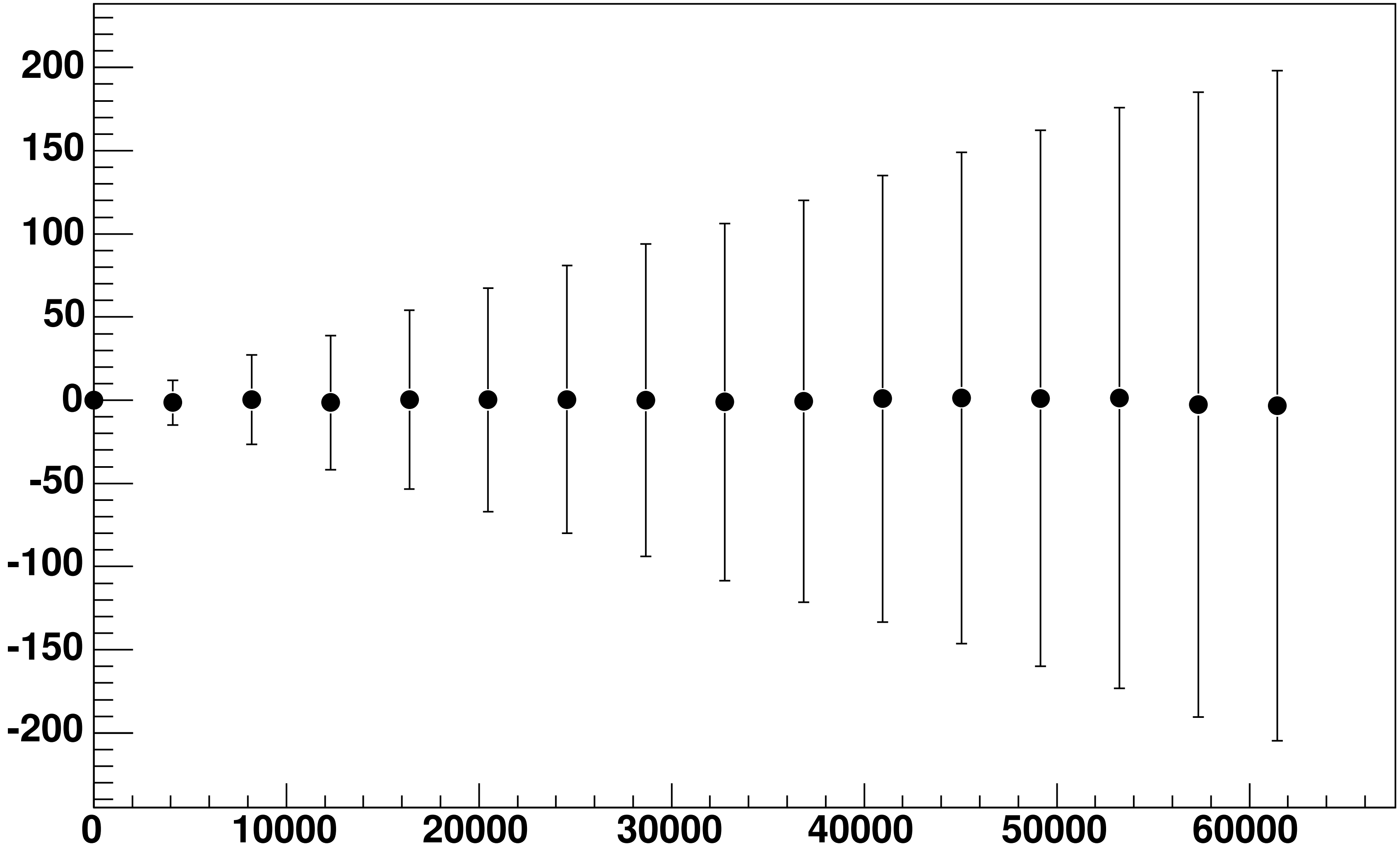
FE7, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

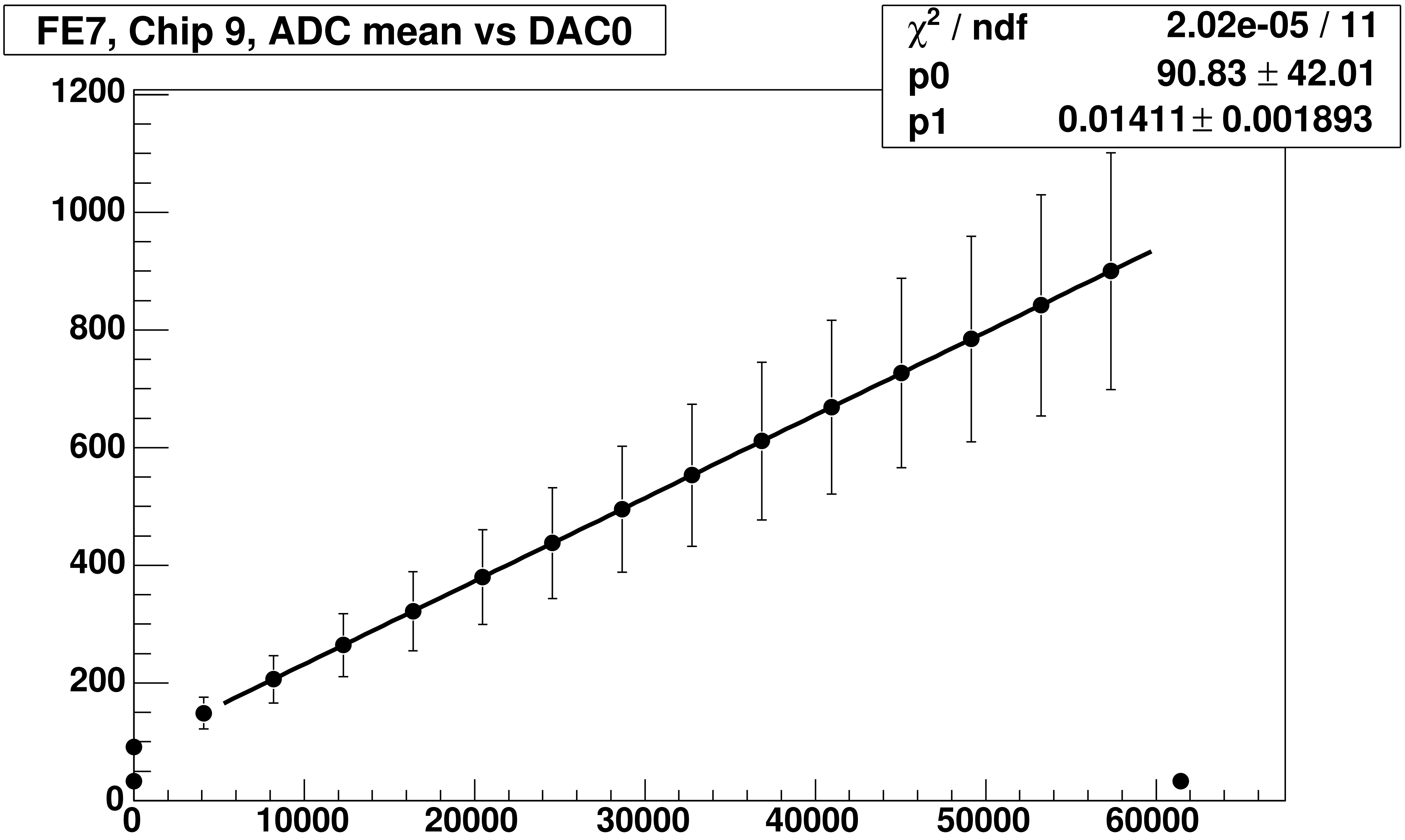

FE7, Chip 8, ADC mean vs DAC1
$\chi^2$ / ndf 0.002134 / 11
p0 32.74 ± 31.13
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

FE7, Chip 8, ADC noise vs DAC1

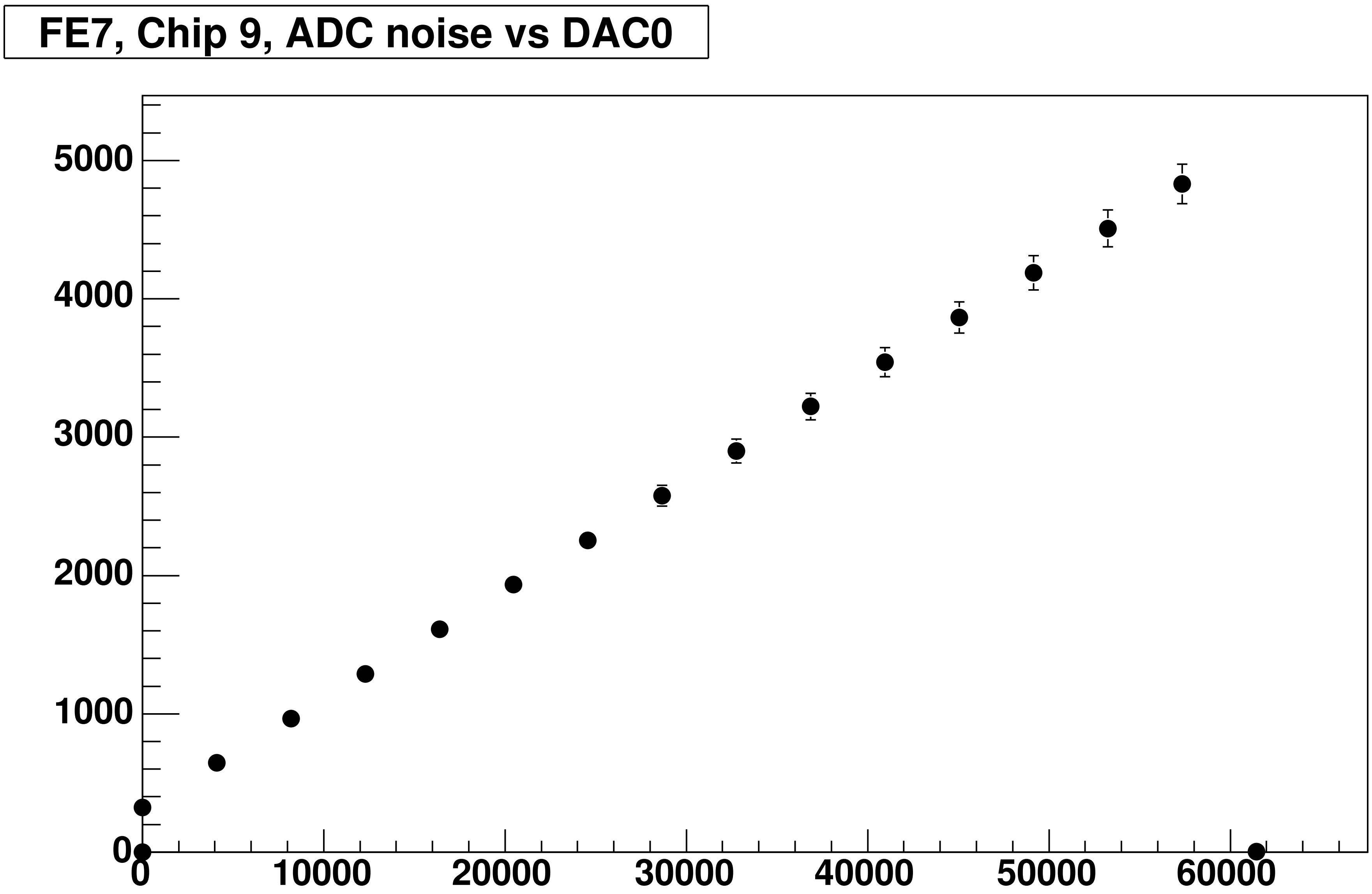


FE7, Chip 8, ADC residuals vs DAC1

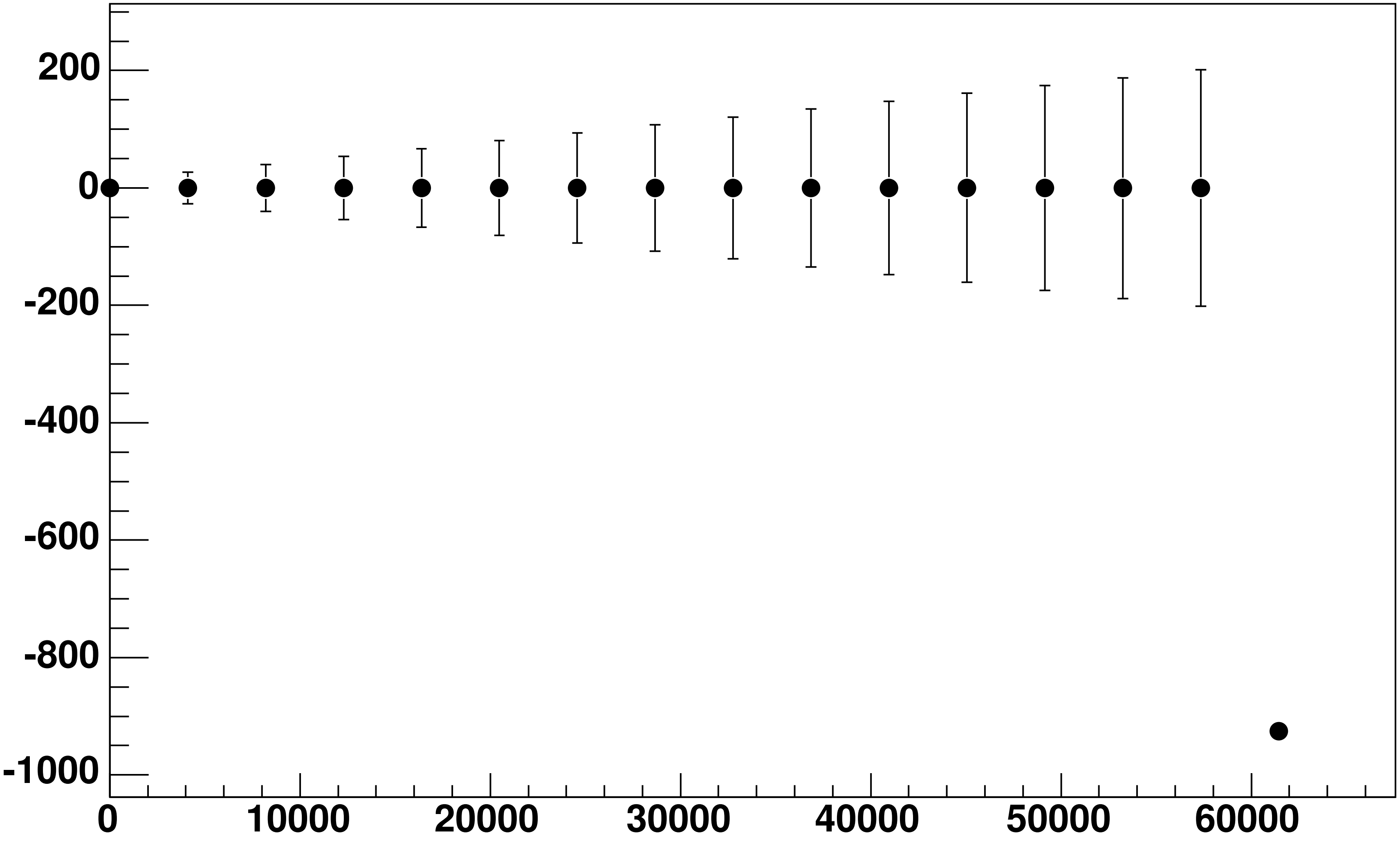


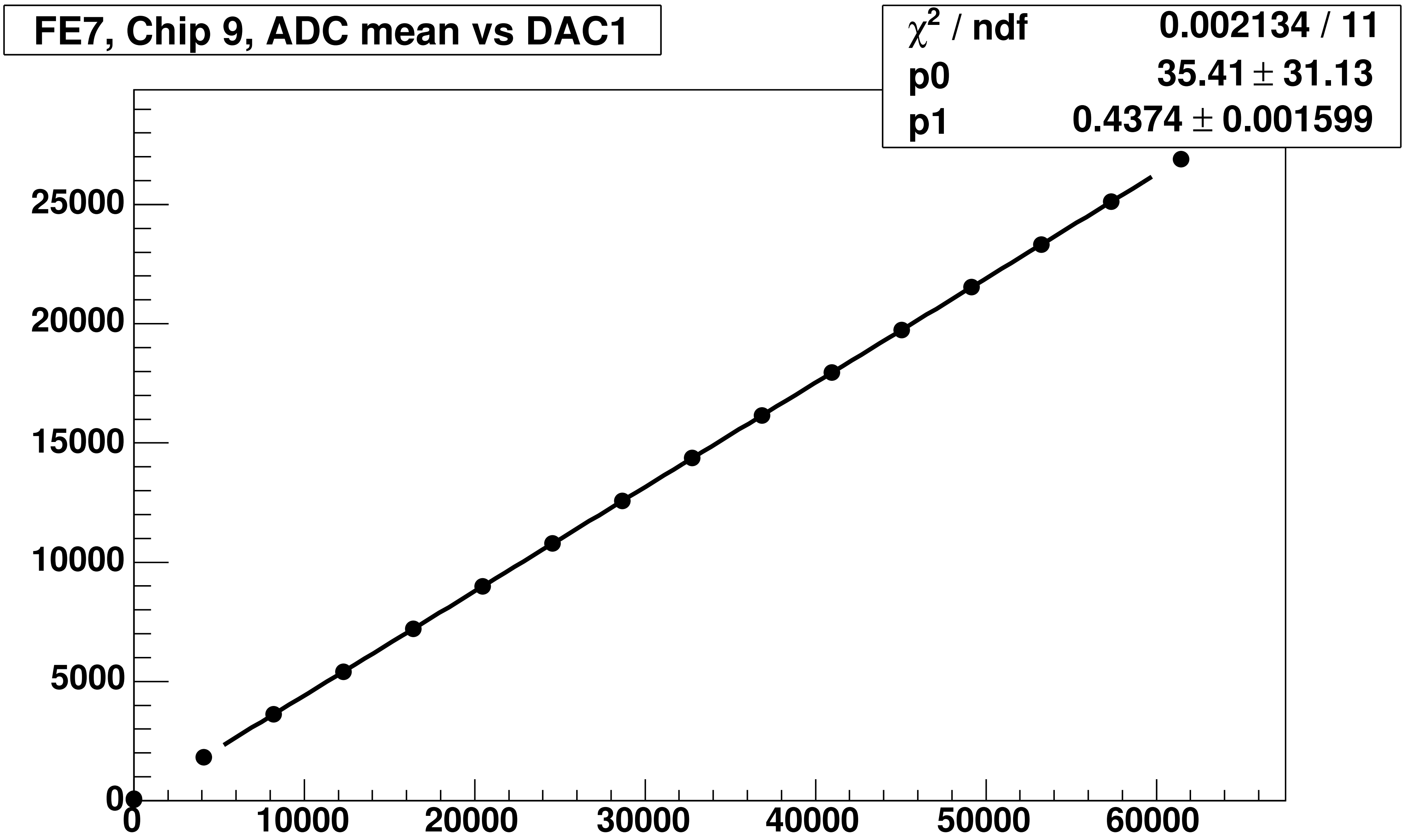


FE7, Chip 9, ADC mean vs DAC0
$\chi^2$ / ndf 2.02e-05 / 11
p0 90.83 ± 42.01
p1 0.01411 ± 0.001893
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

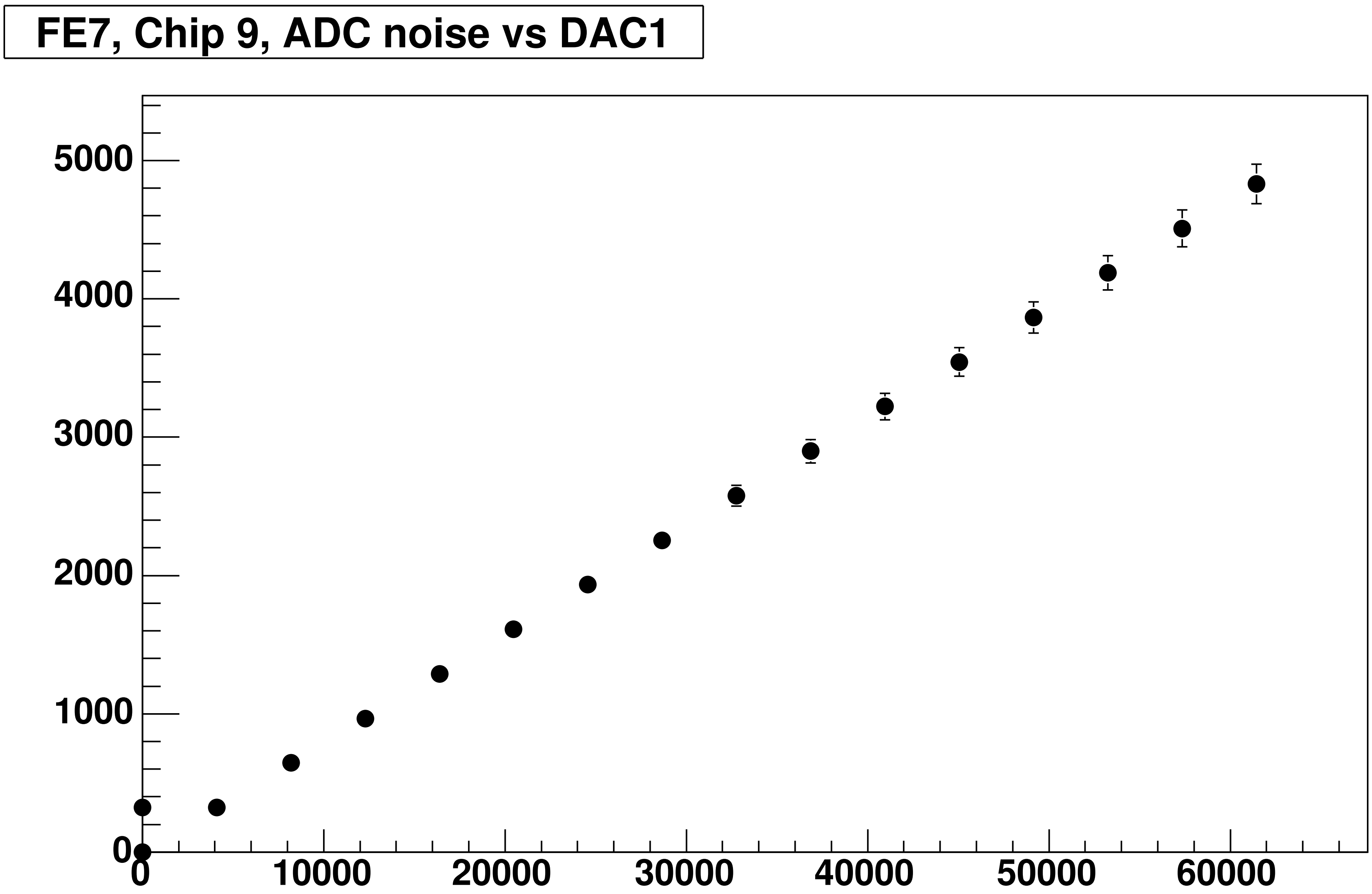

FE7, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

FE7, Chip 9, ADC residuals vs DAC0

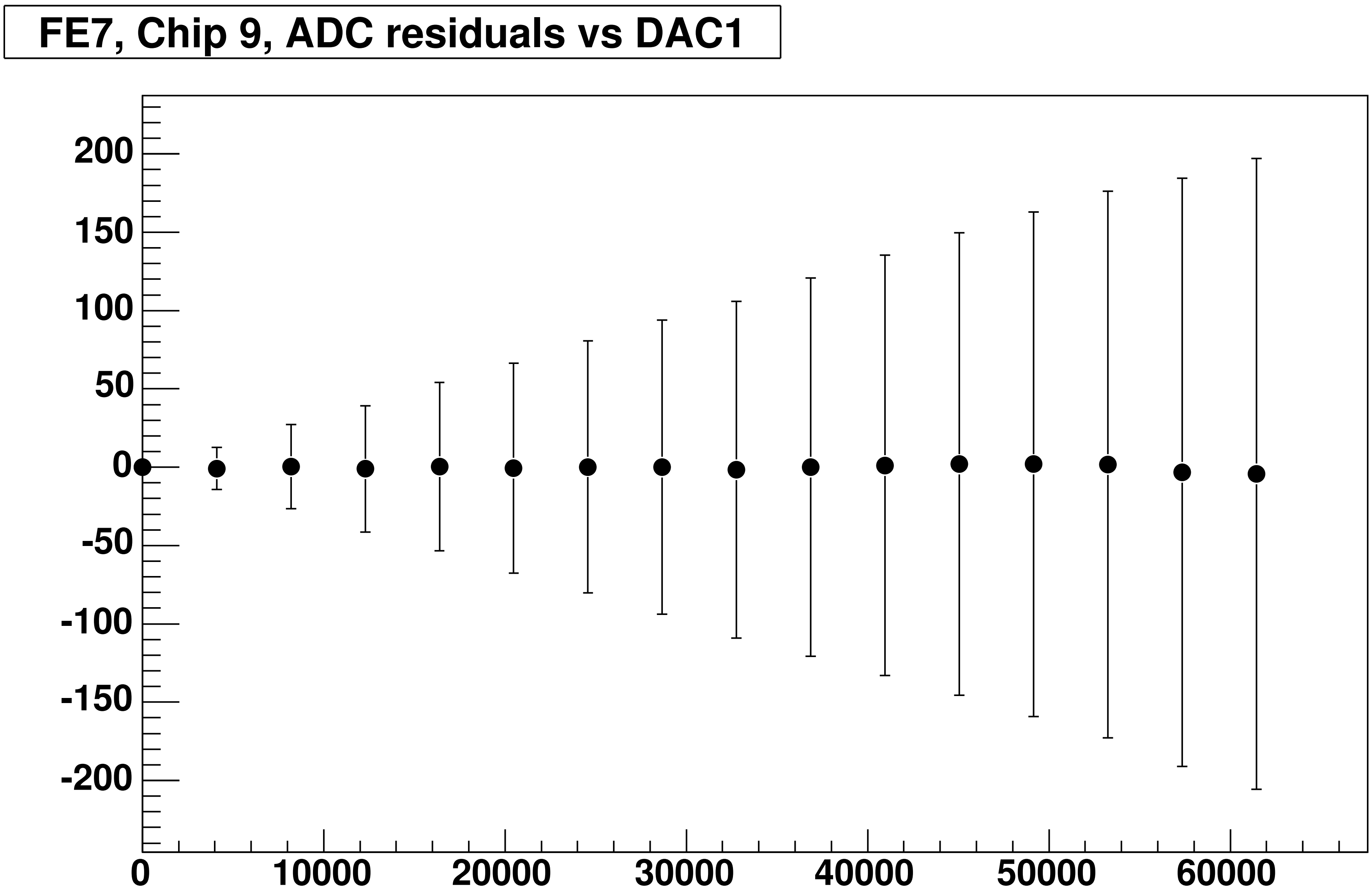


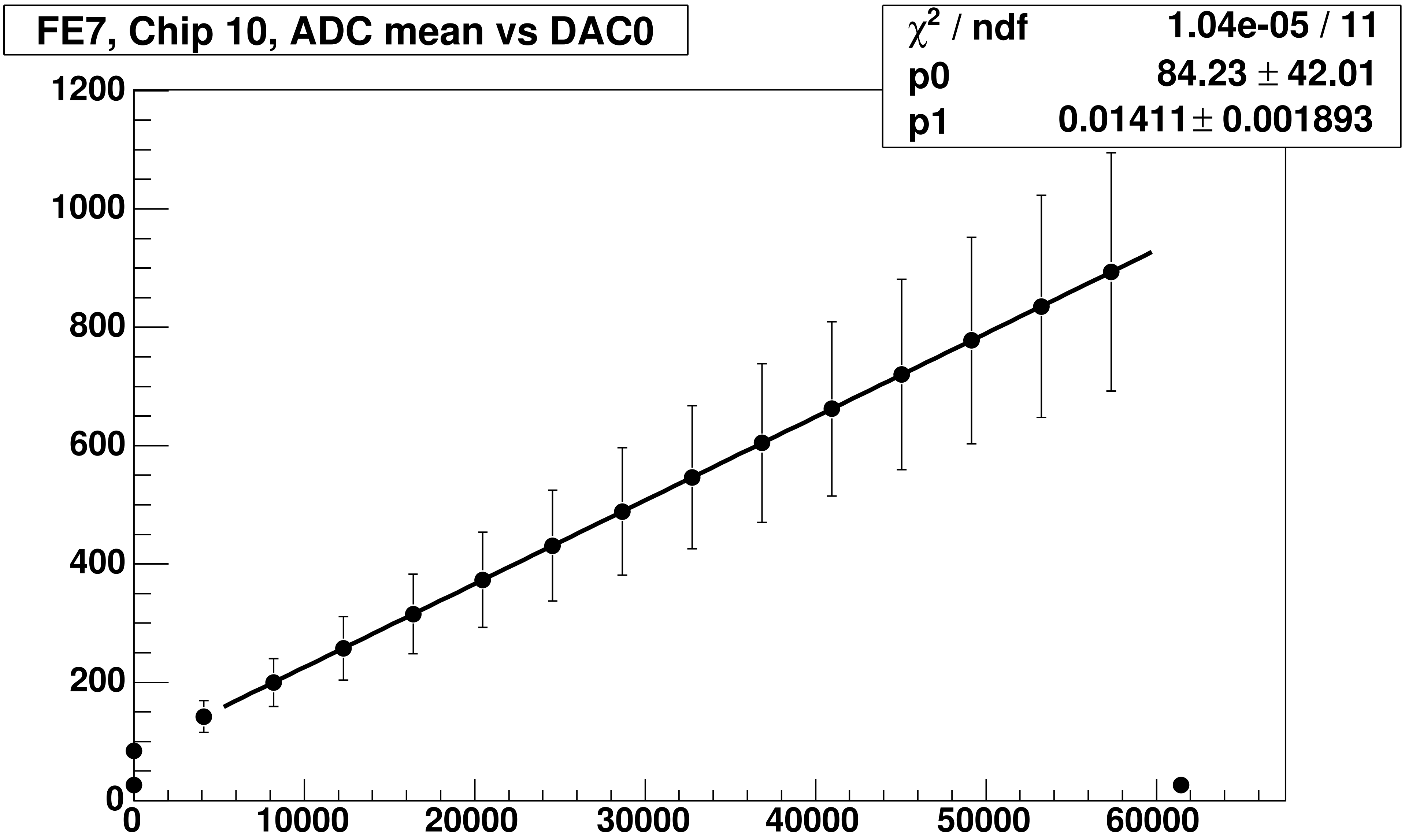


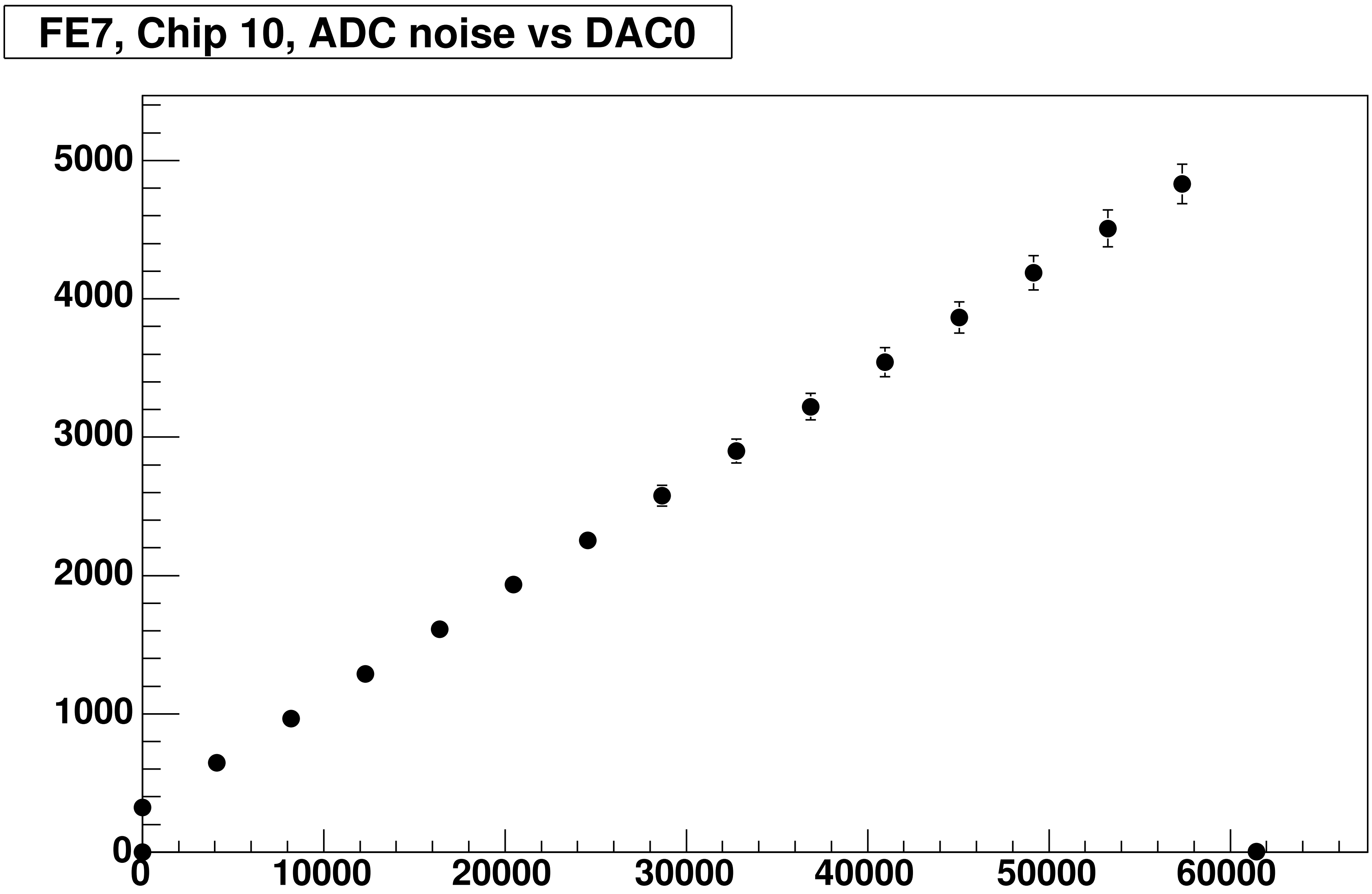
FE7, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.002134 / 11
p0 35.41 ± 31.13
p1 0.4374 ± 0.001599
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

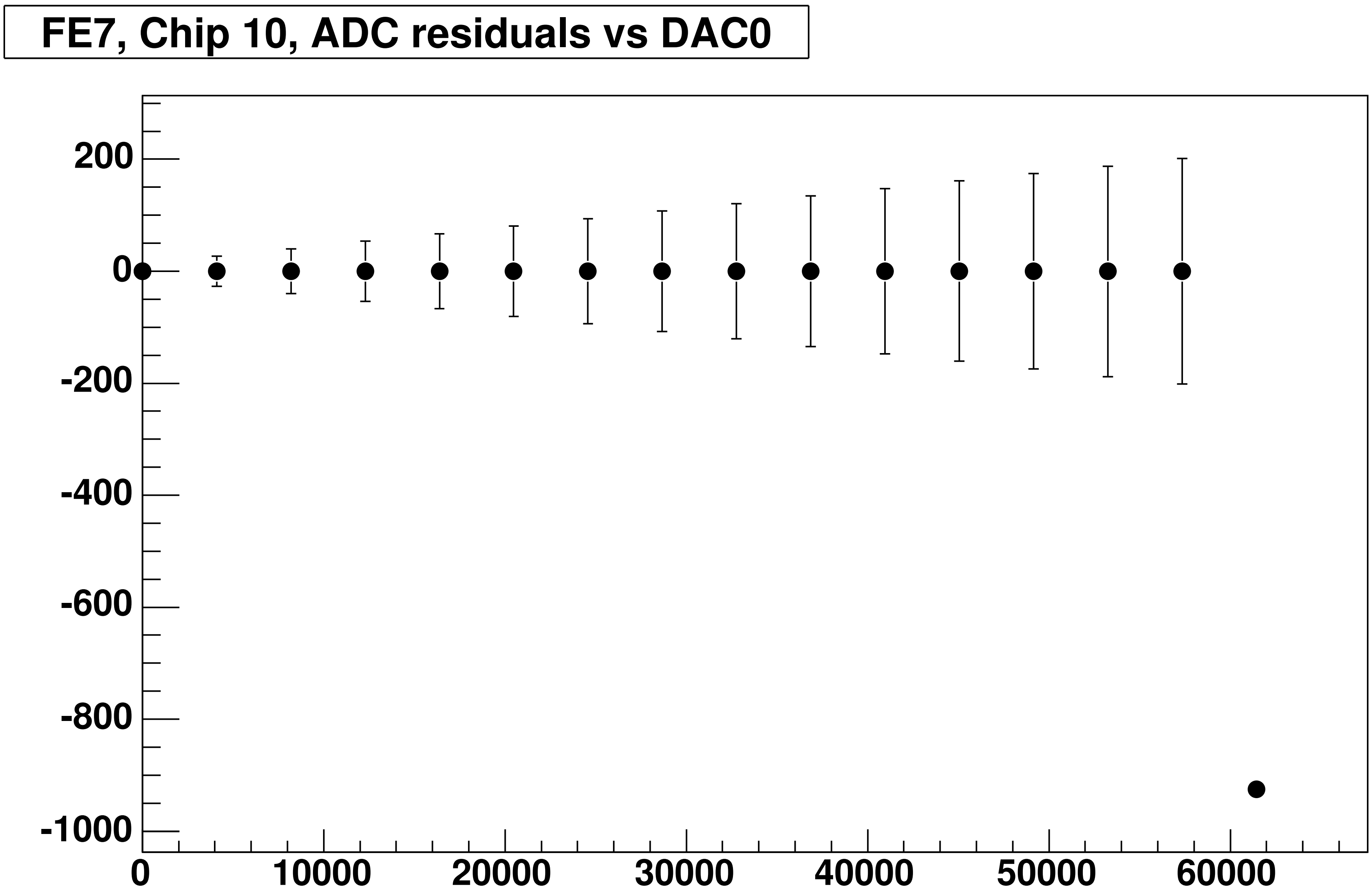


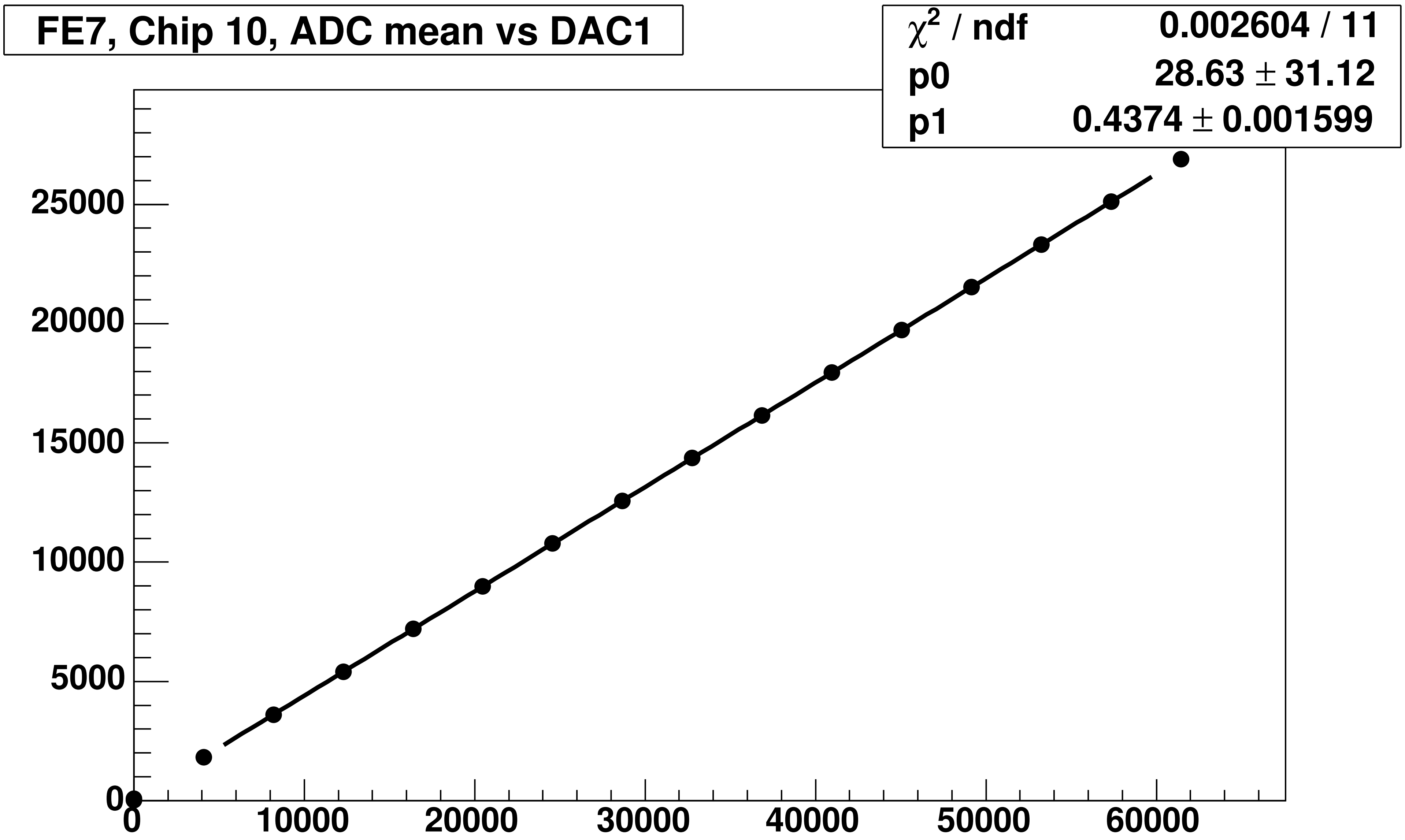
FE7, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

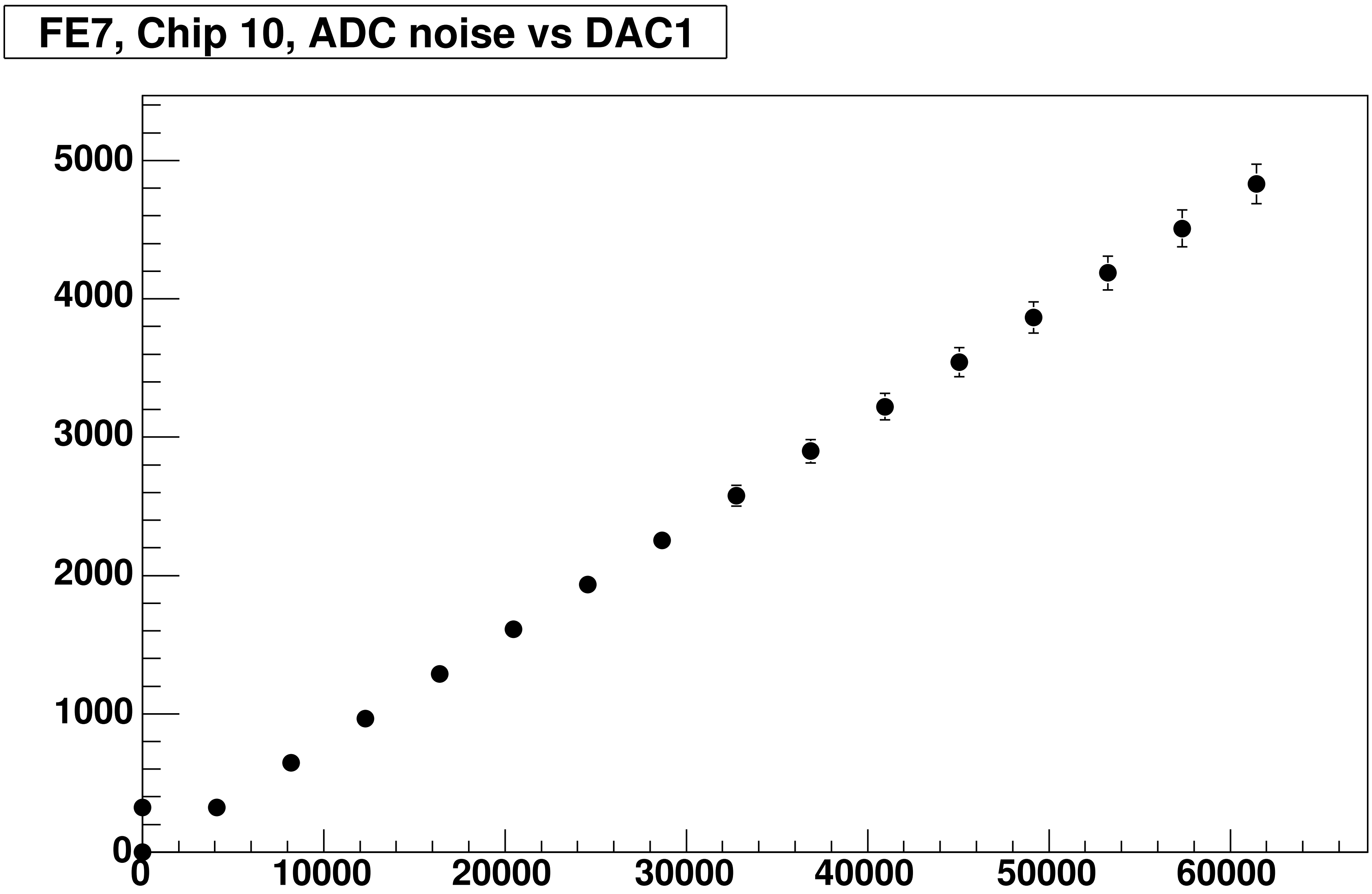

FE7, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

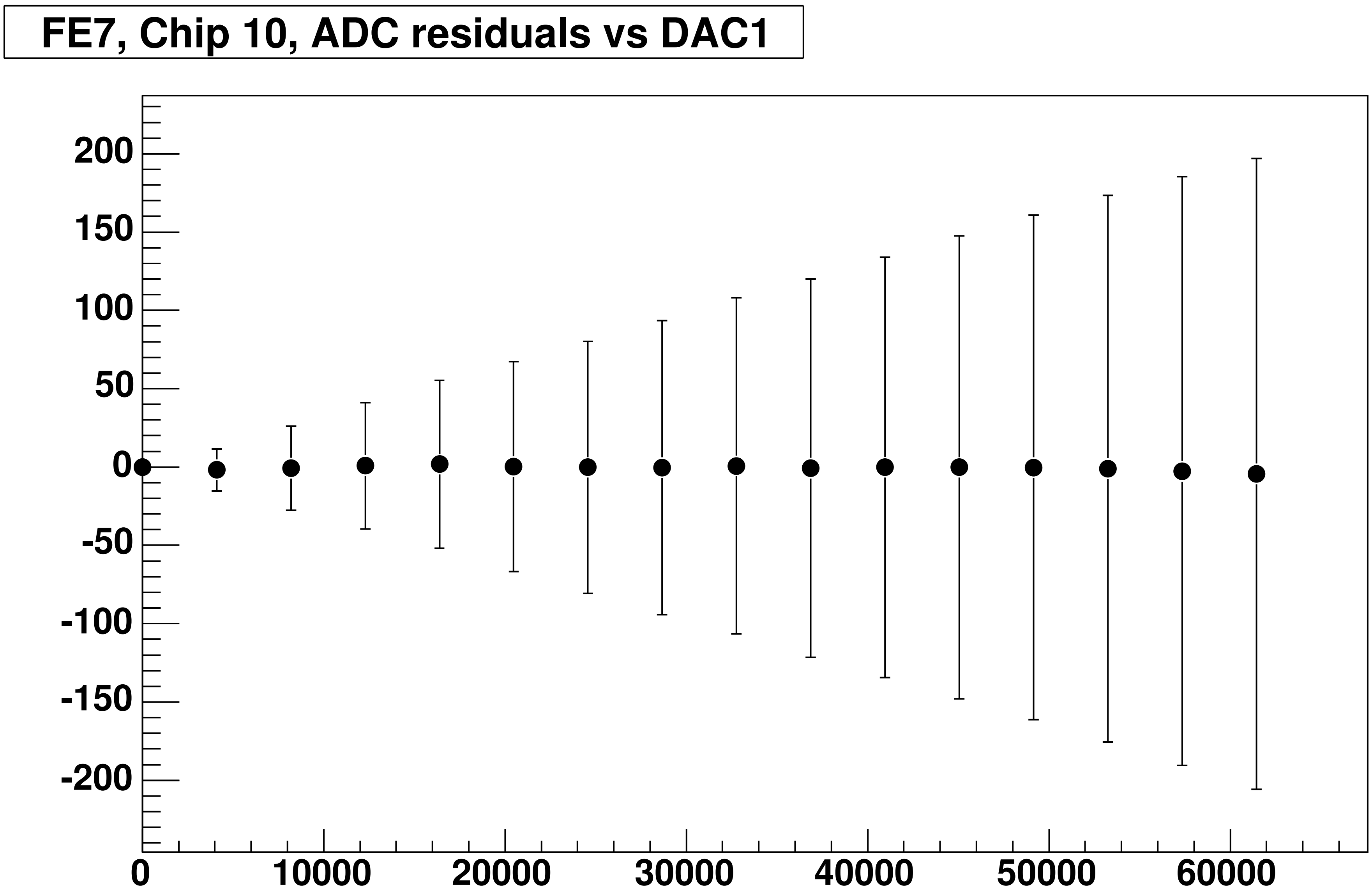

FE7, Chip 10, ADC mean vs DAC0
$\chi^2$ / ndf 1.04e-05 / 11
p0 84.23 ± 42.01
p1 0.01411 ± 0.001893
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

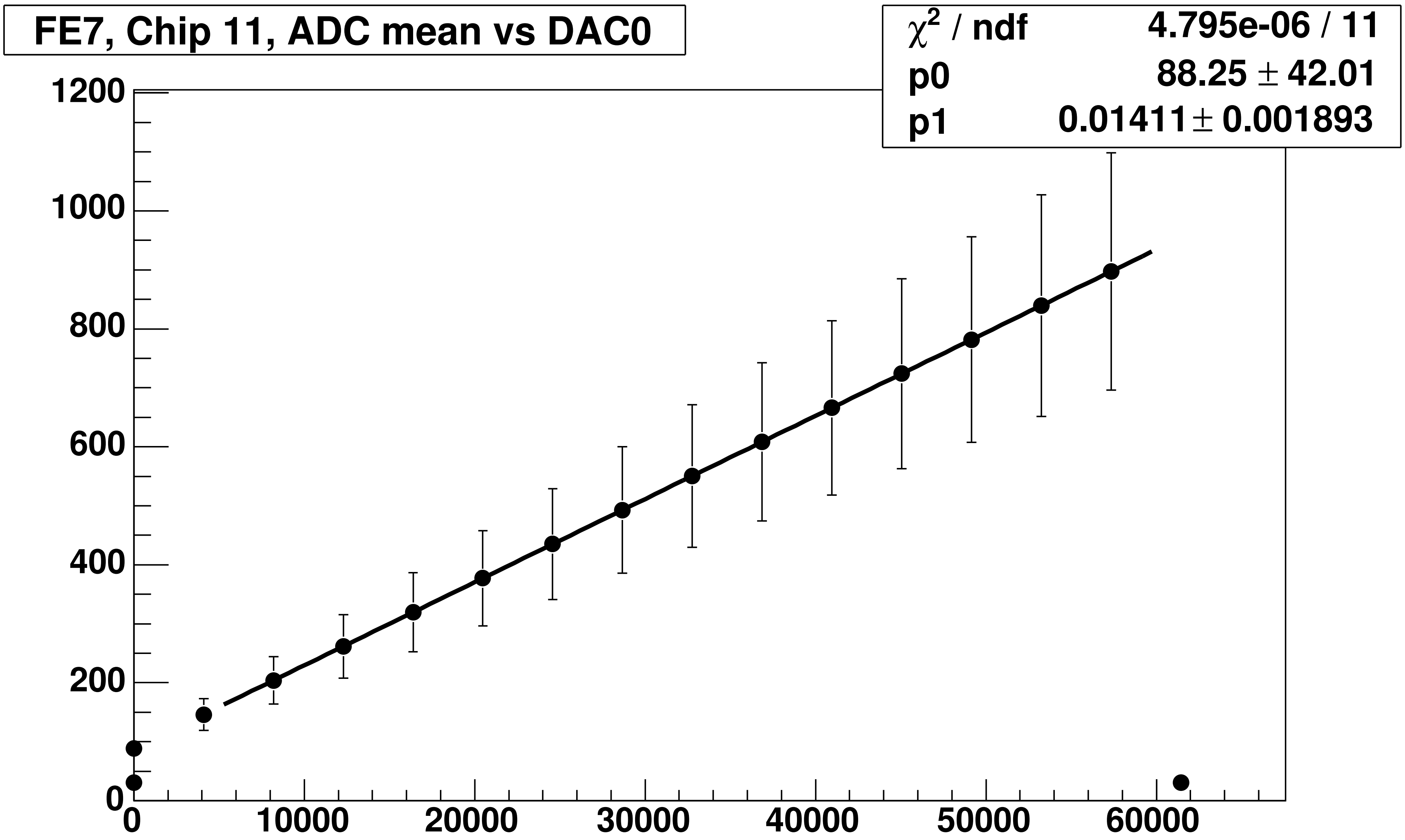

FE7, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

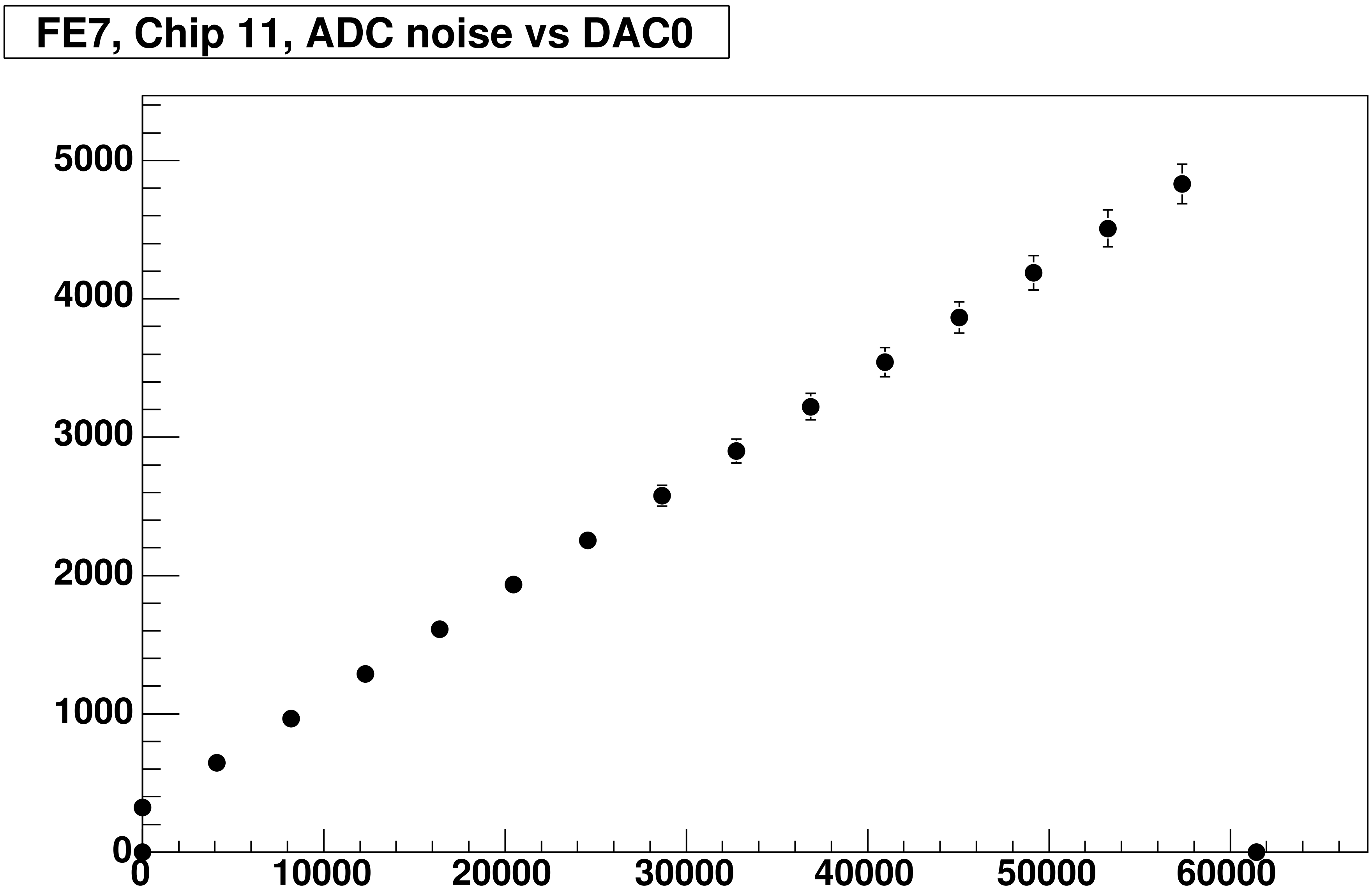

FE7, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

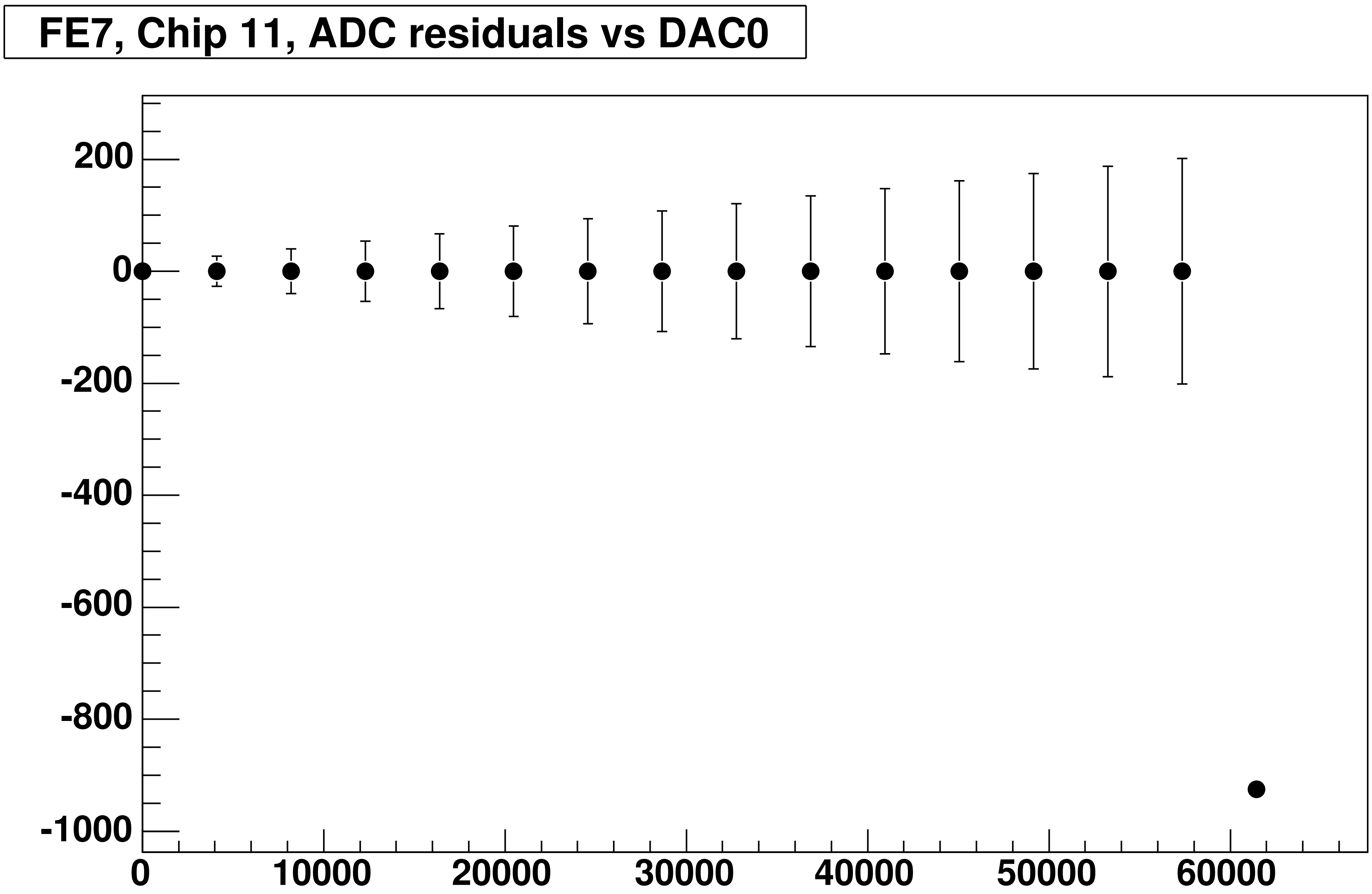

FE7, Chip 10, ADC mean vs DAC1
$\chi^2$ / ndf 0.002604 / 11
p0 28.63 ± 31.12
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

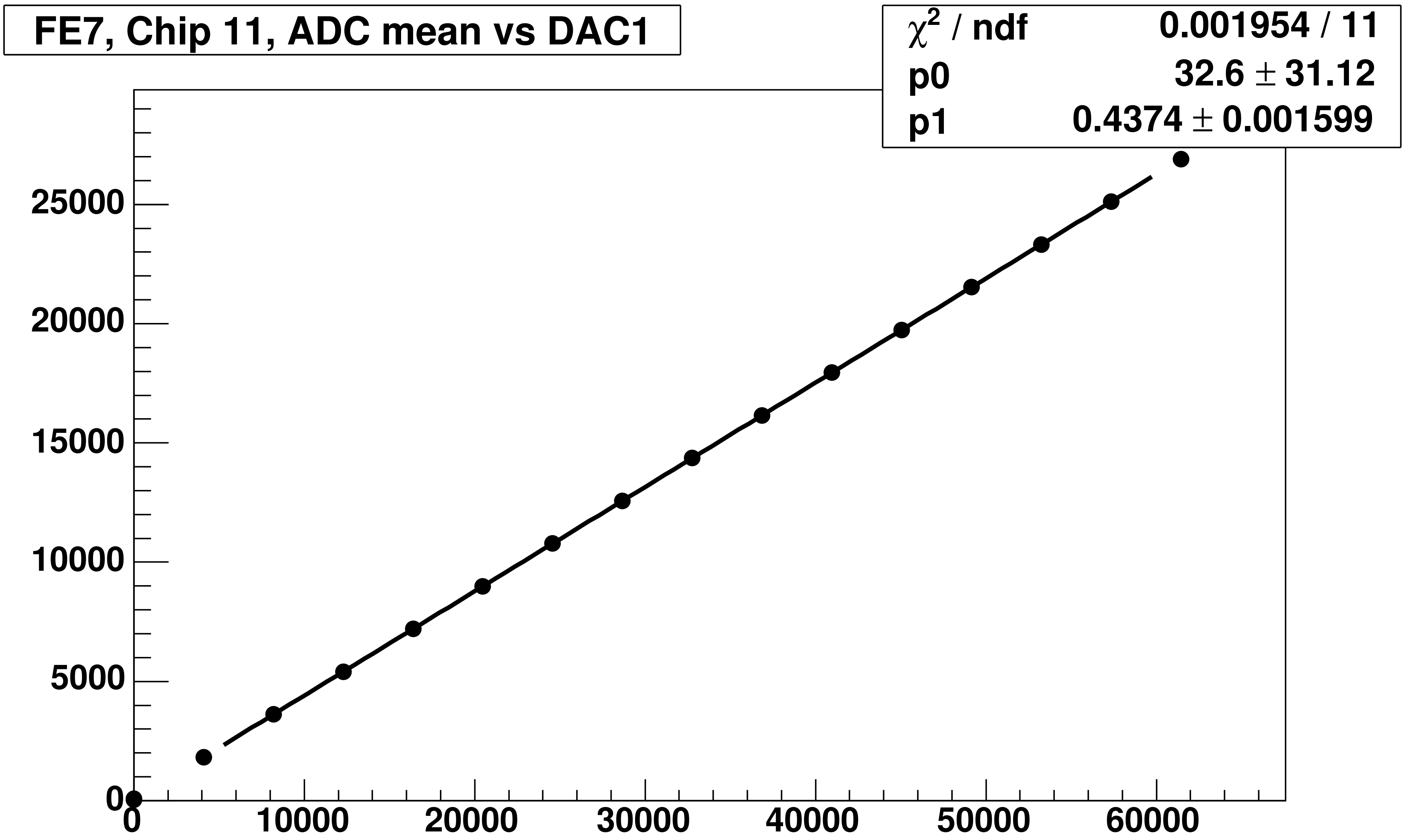

FE7, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

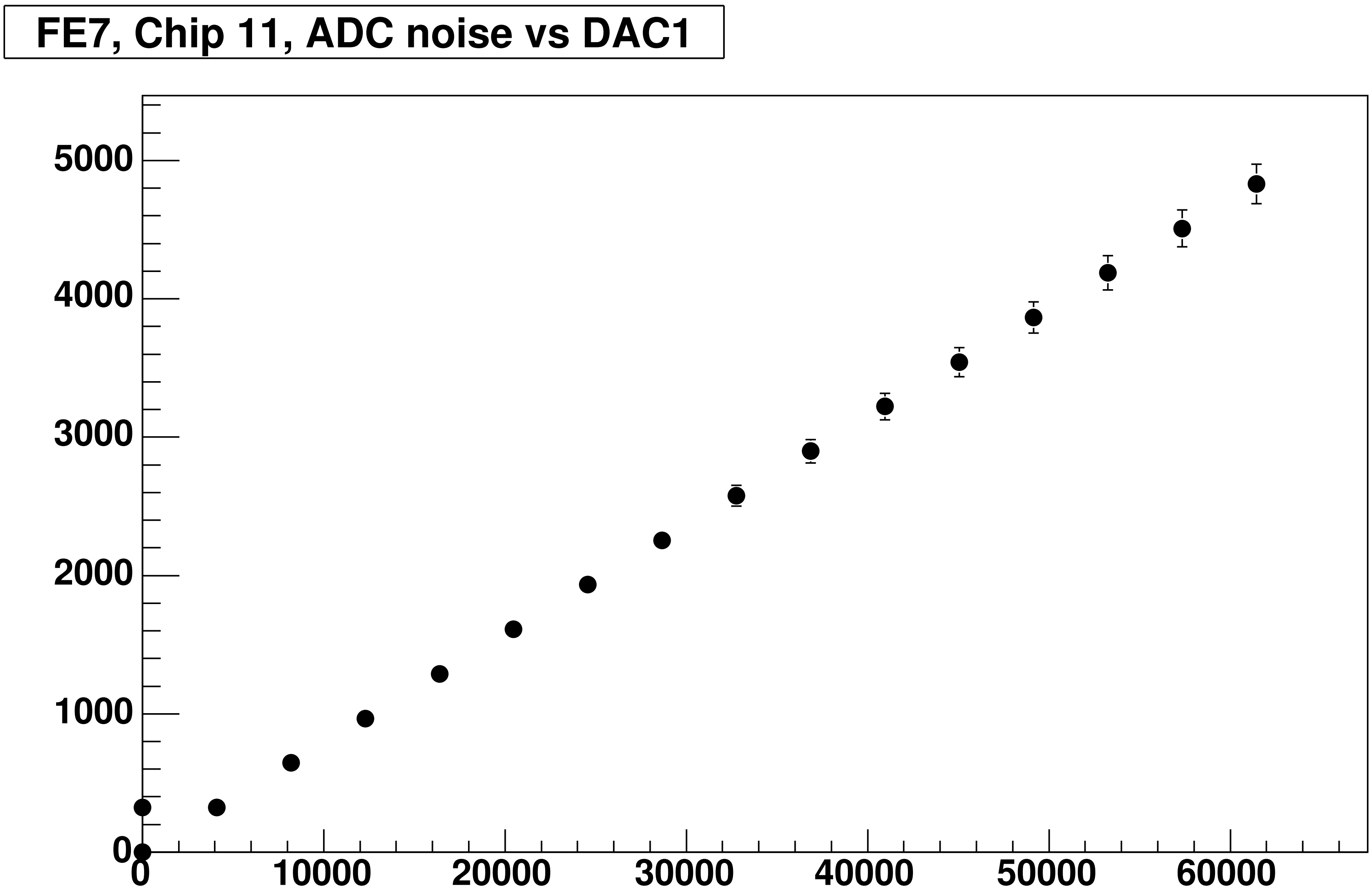

FE7, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

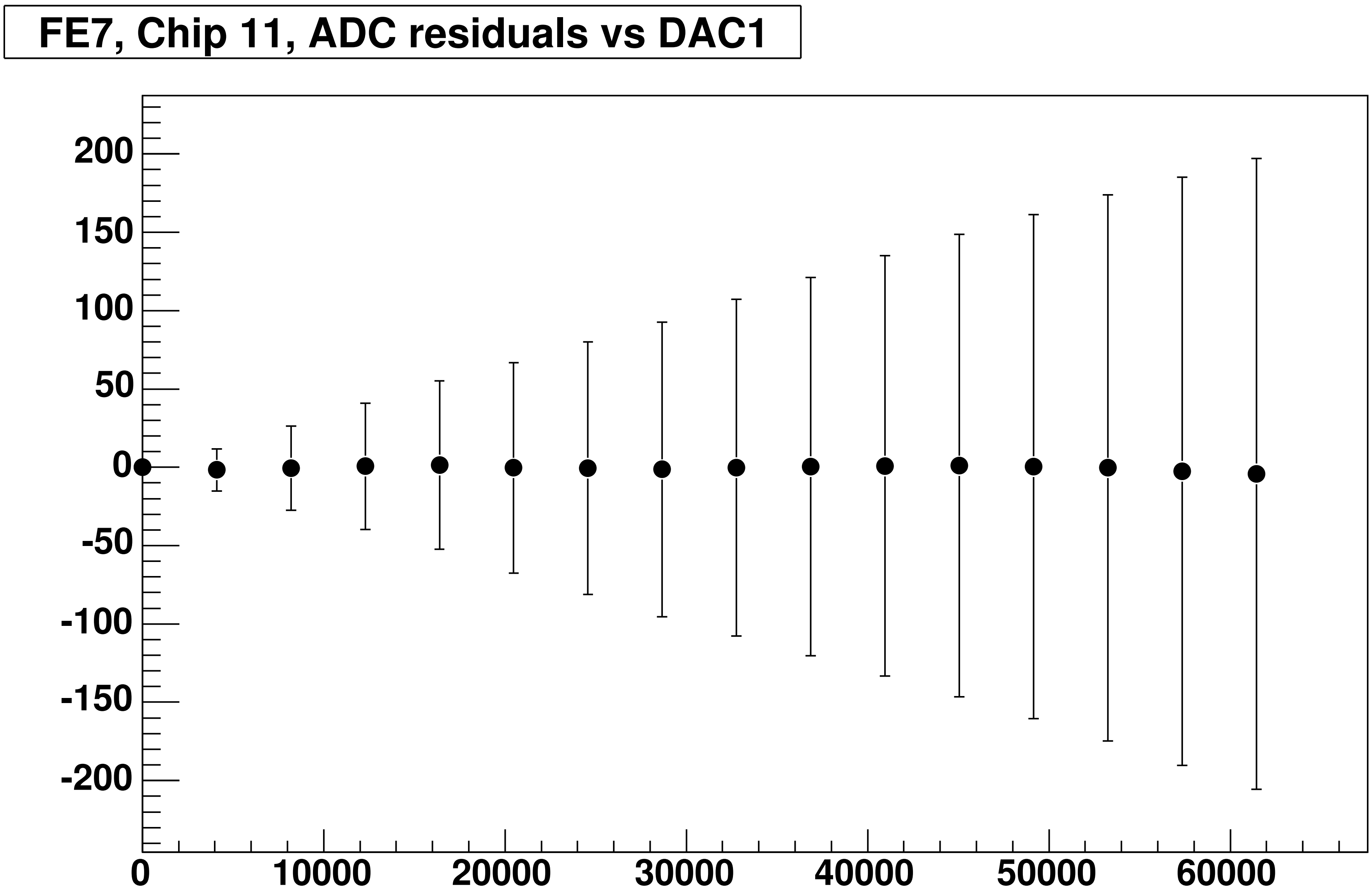

FE7, Chip 11, ADC mean vs DAC0
χ2 / ndf 4.795e-06 / 11
p0 88.25 ± 42.01
p1 0.01411 ± 0.001893
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

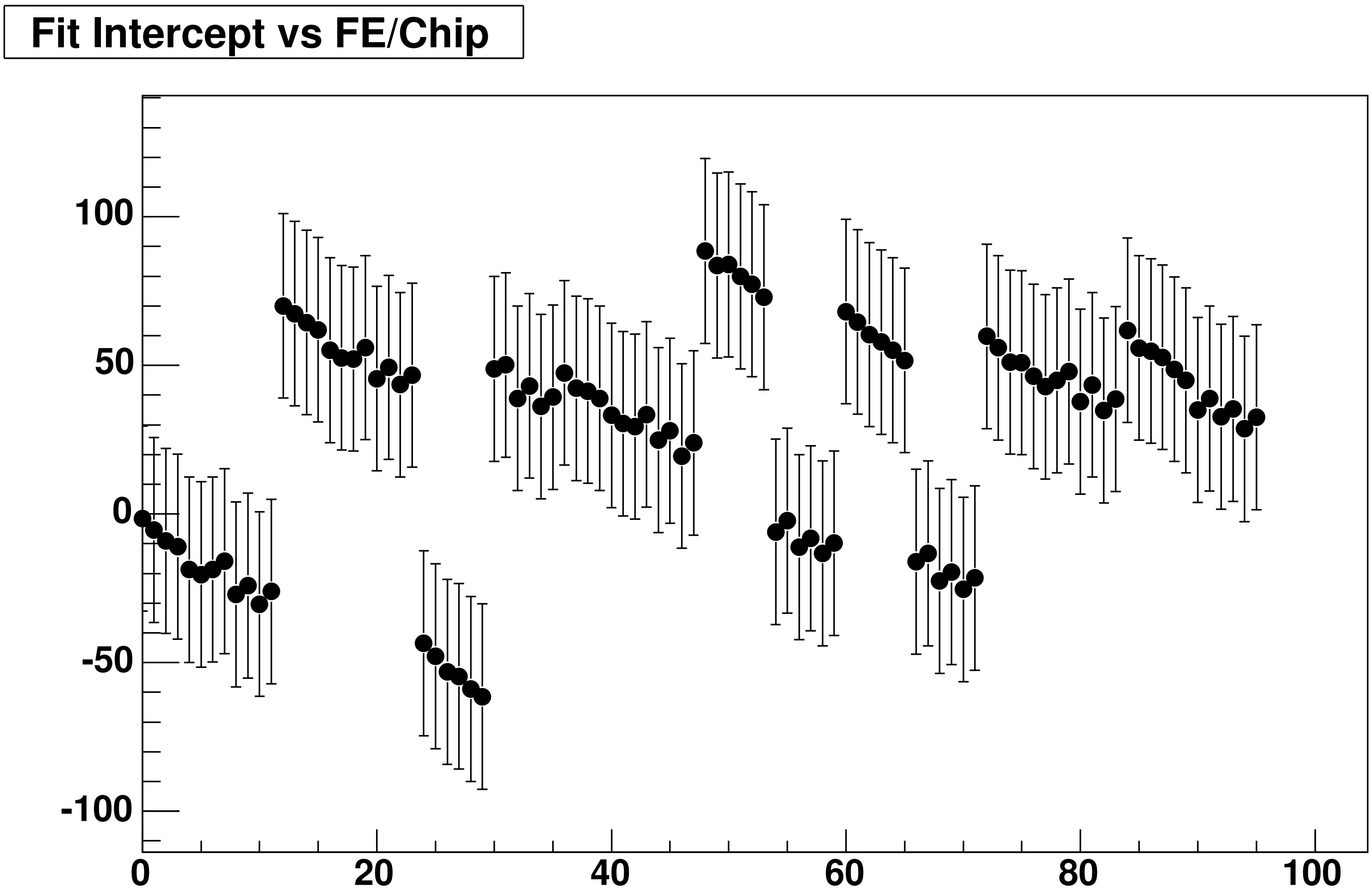

FE7, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

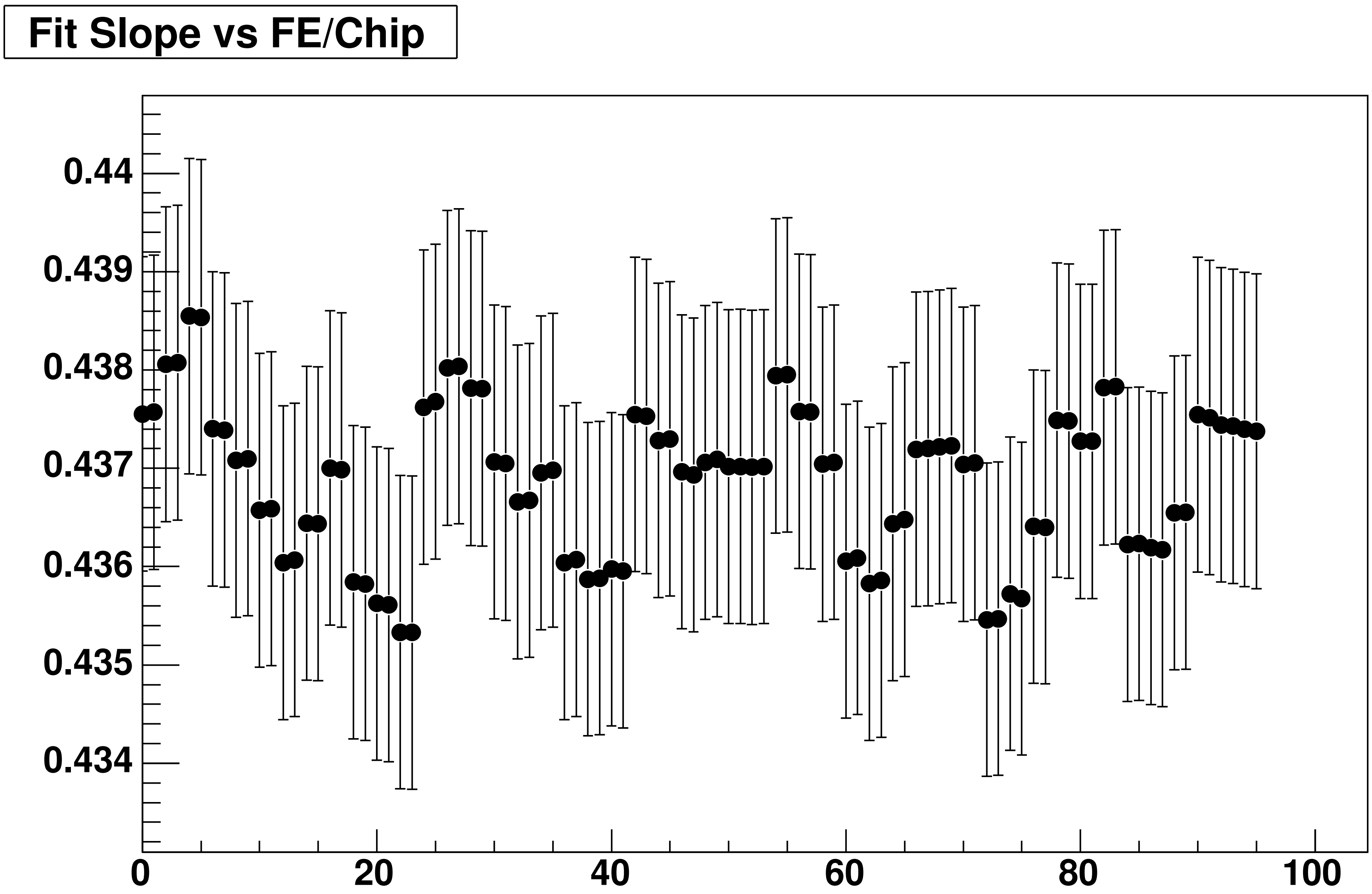

FE7, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE7, Chip 11, ADC mean vs DAC1
χ² / ndf 0.001954 / 11
p0 32.6 ± 31.12
p1 0.4374 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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


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


Fit Intercept vs FE/Chip
100
50
0
-50
-100
0
20
40
60
80
100


Fit Slope vs FE/Chip
0.44
0.439
0.438
0.437
0.436
0.435
0.434
0
20
40
60
80
100