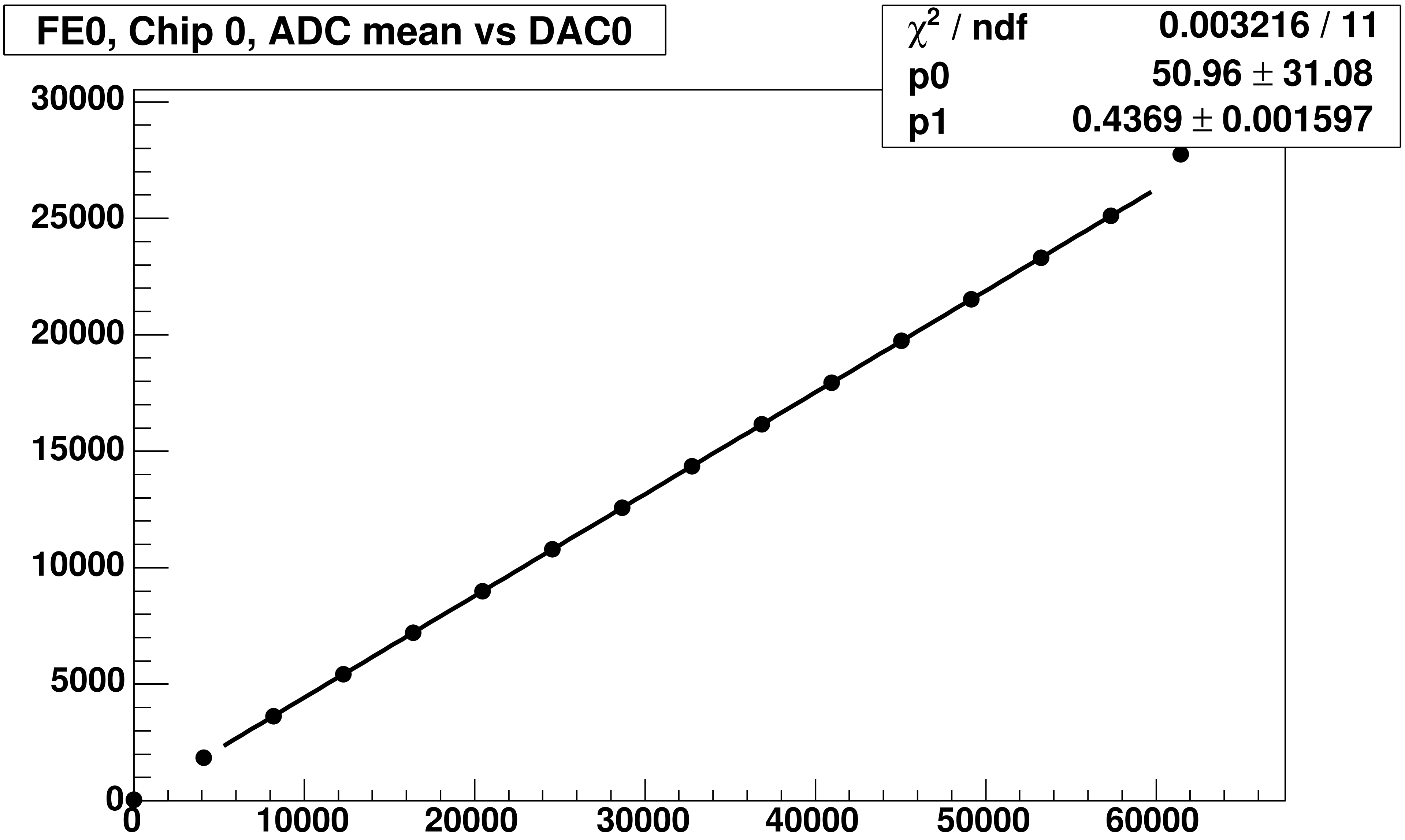
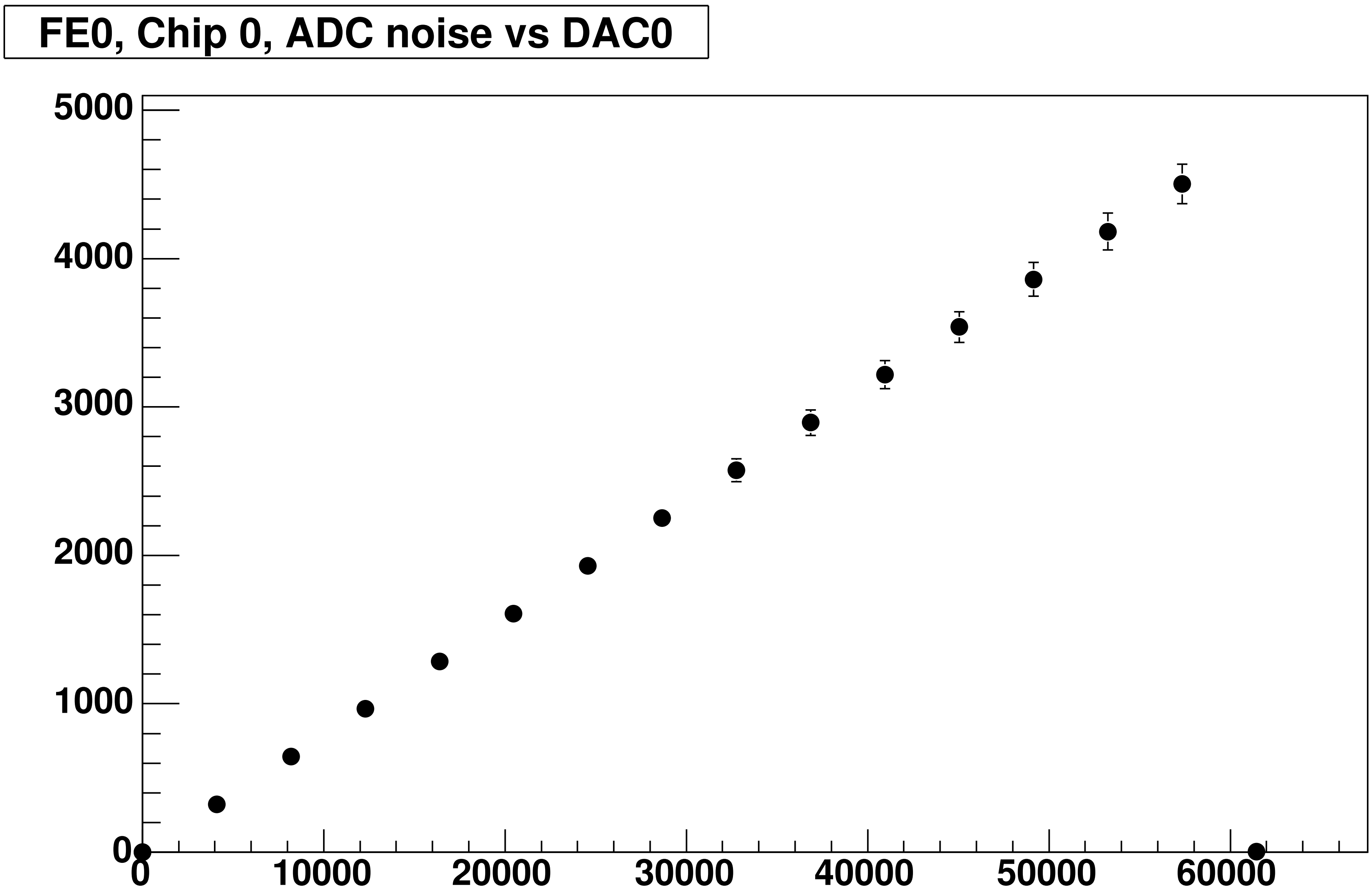
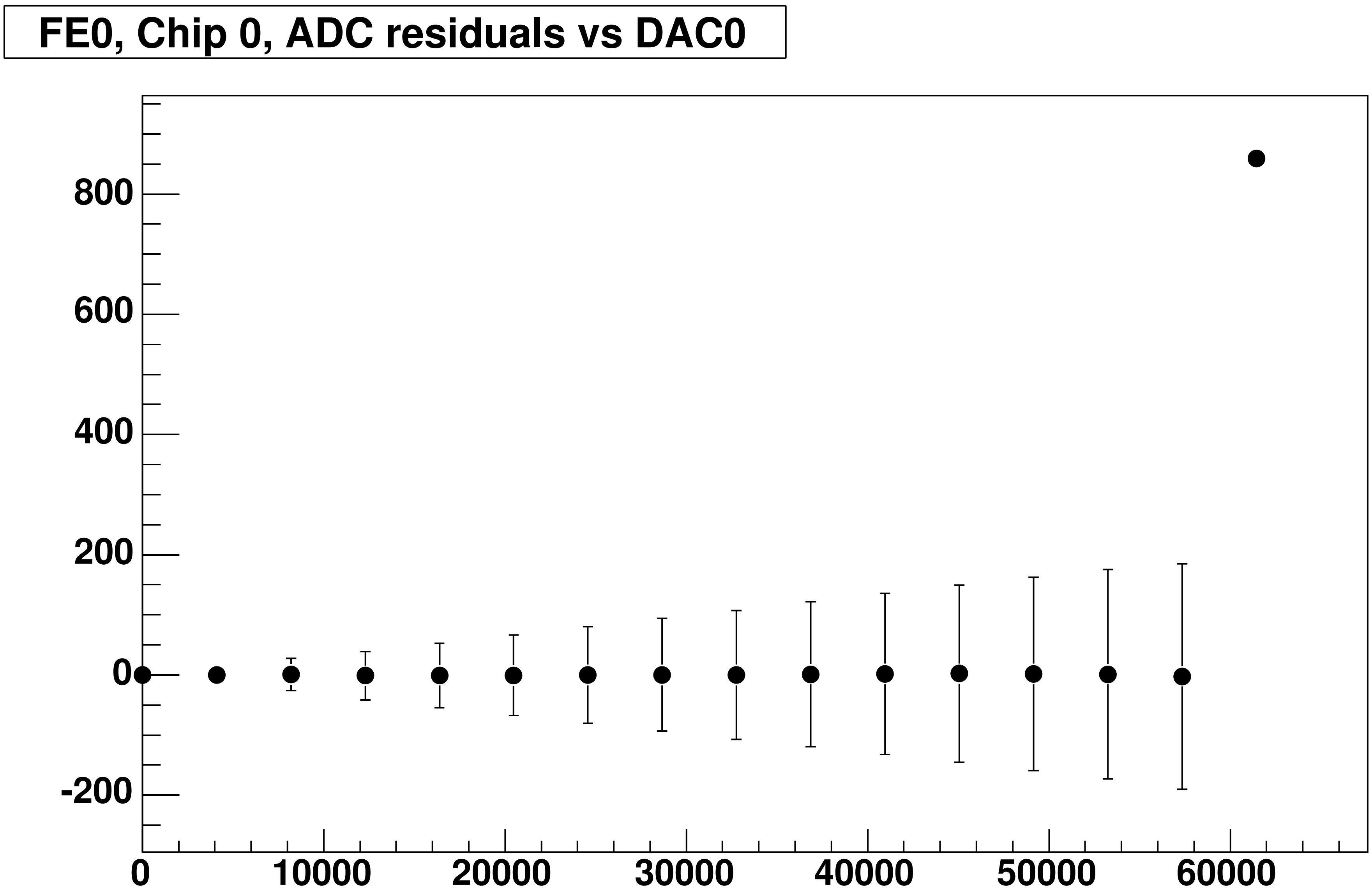
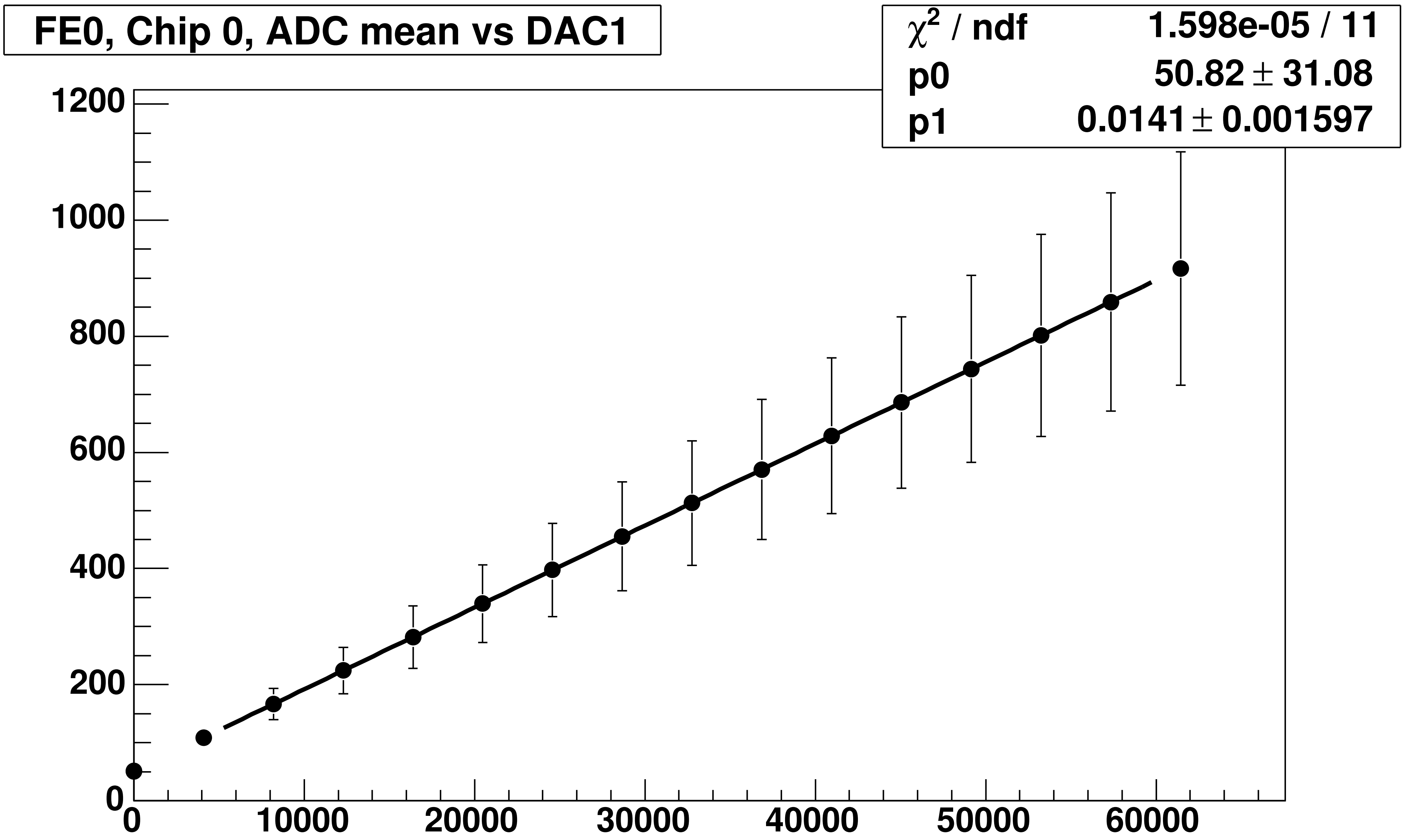
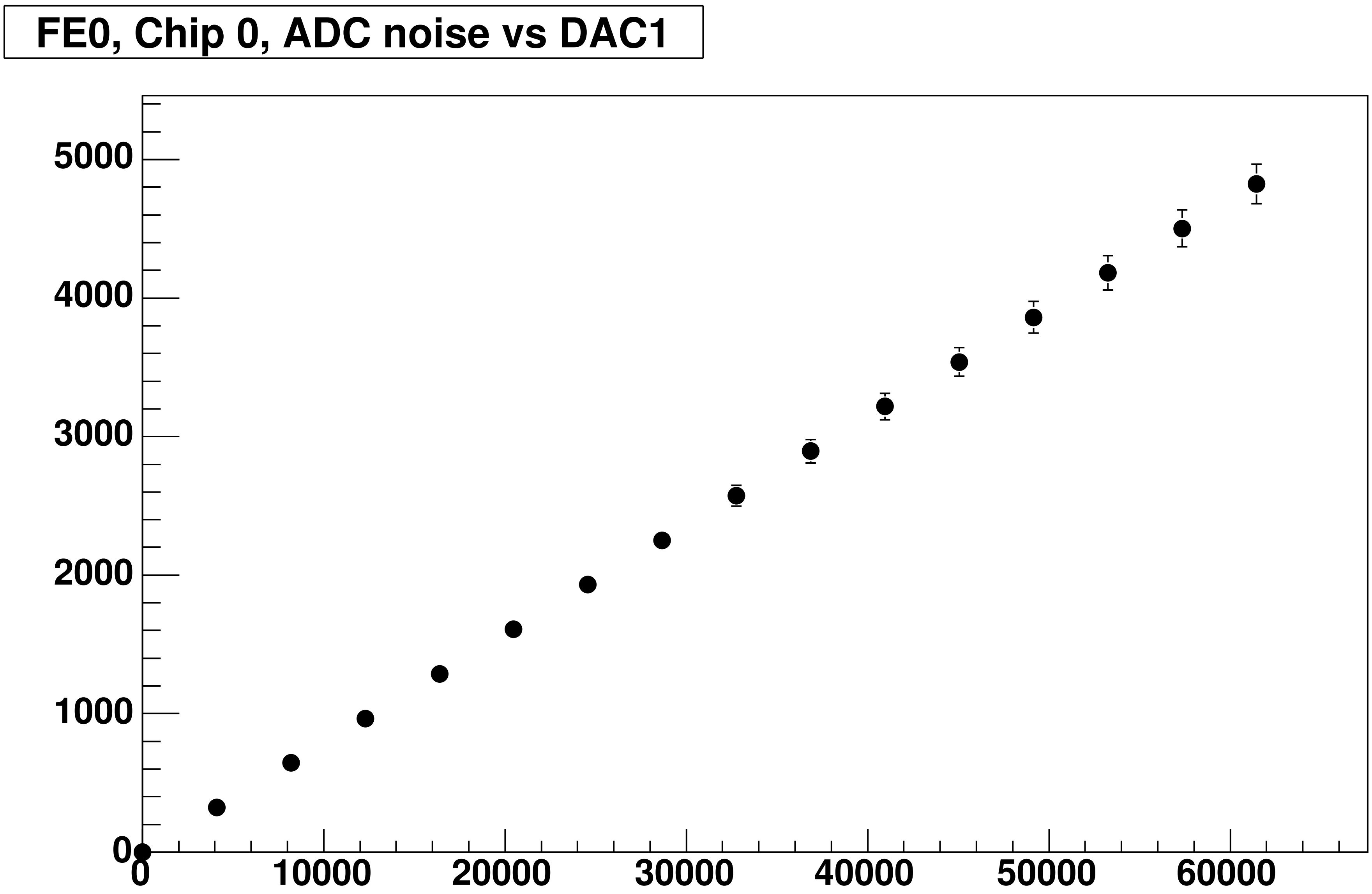
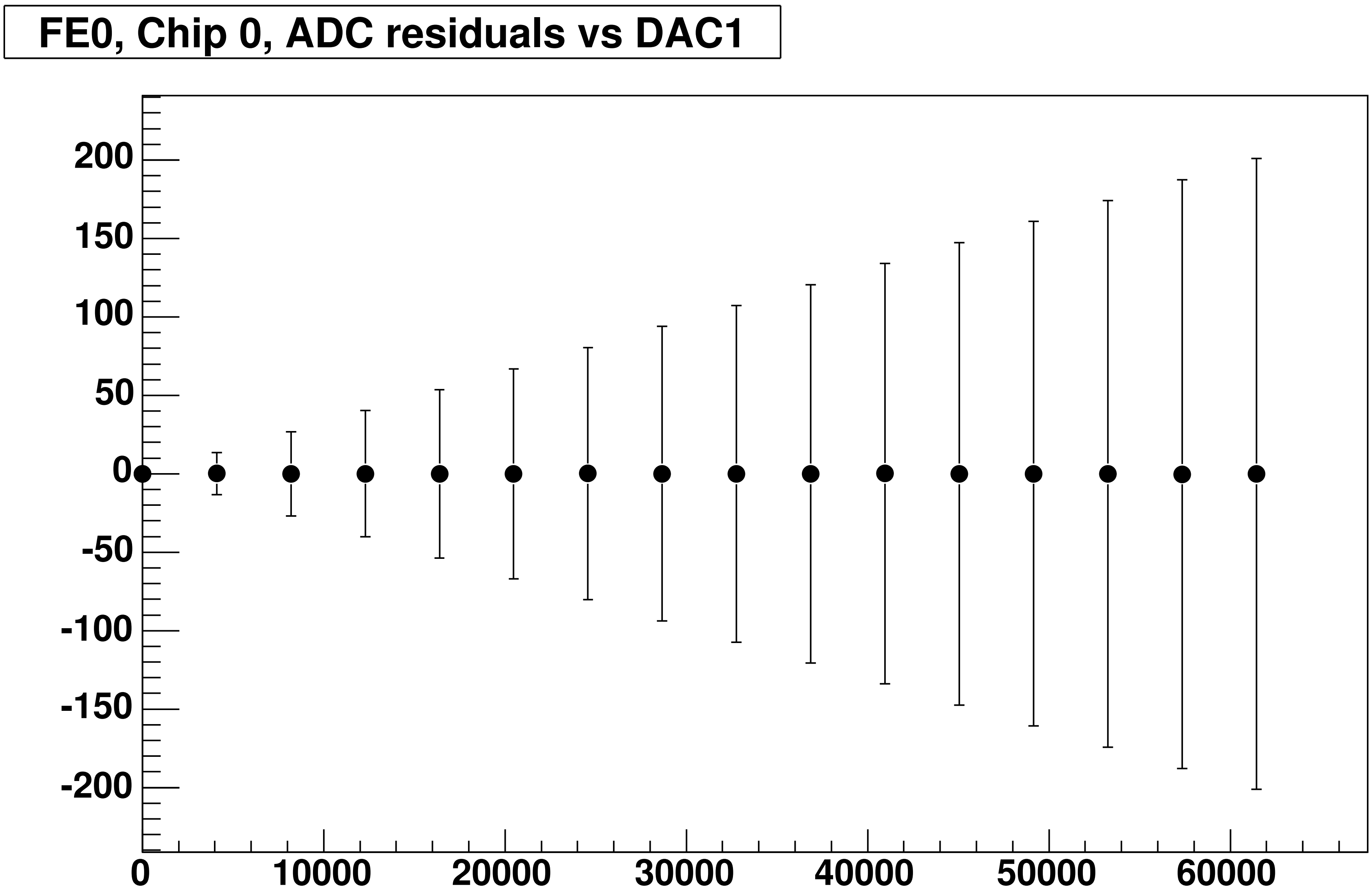

FE0, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.003216 / 11
p0 50.96 ± 31.08
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

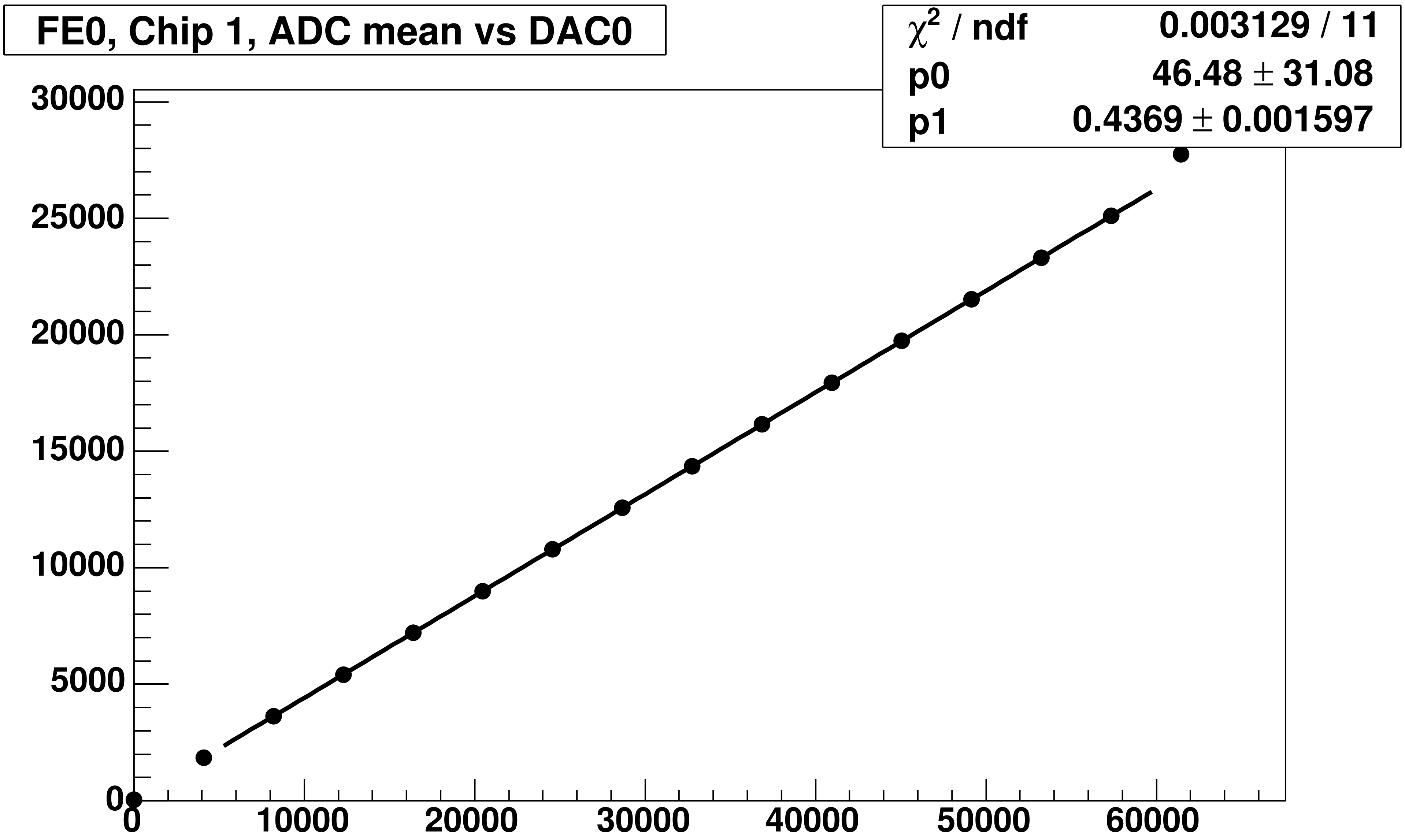

FE0, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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


FE0, Chip 0, ADC mean vs DAC1
χ^2 / ndf 1.598e-05 / 11
p0 50.82 ± 31.08
p1 0.0141 ± 0.001597
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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


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


FE0, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.003129 / 11
p0 46.48 ± 31.08
p1 0.4369 ± 0.001597
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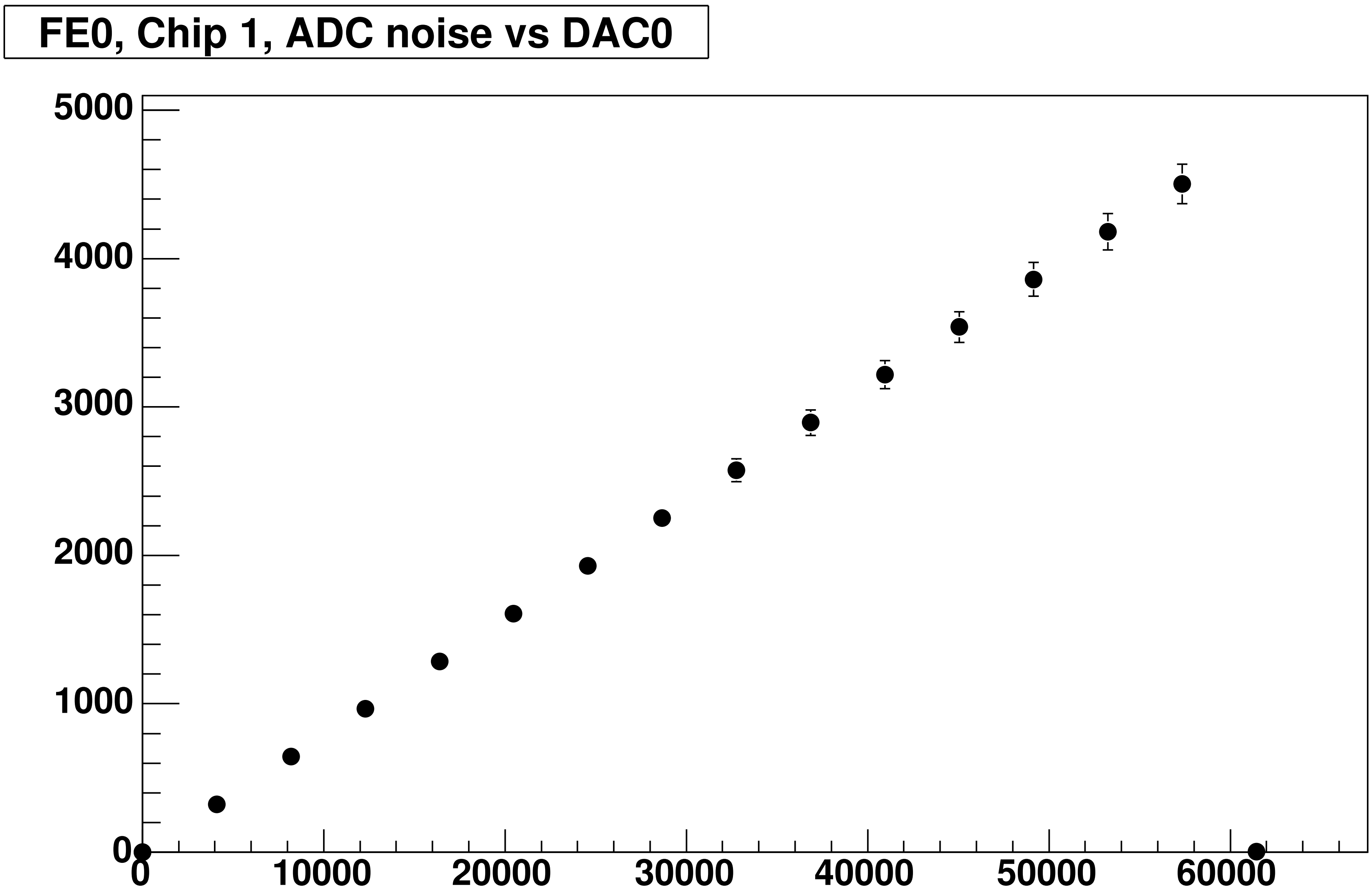
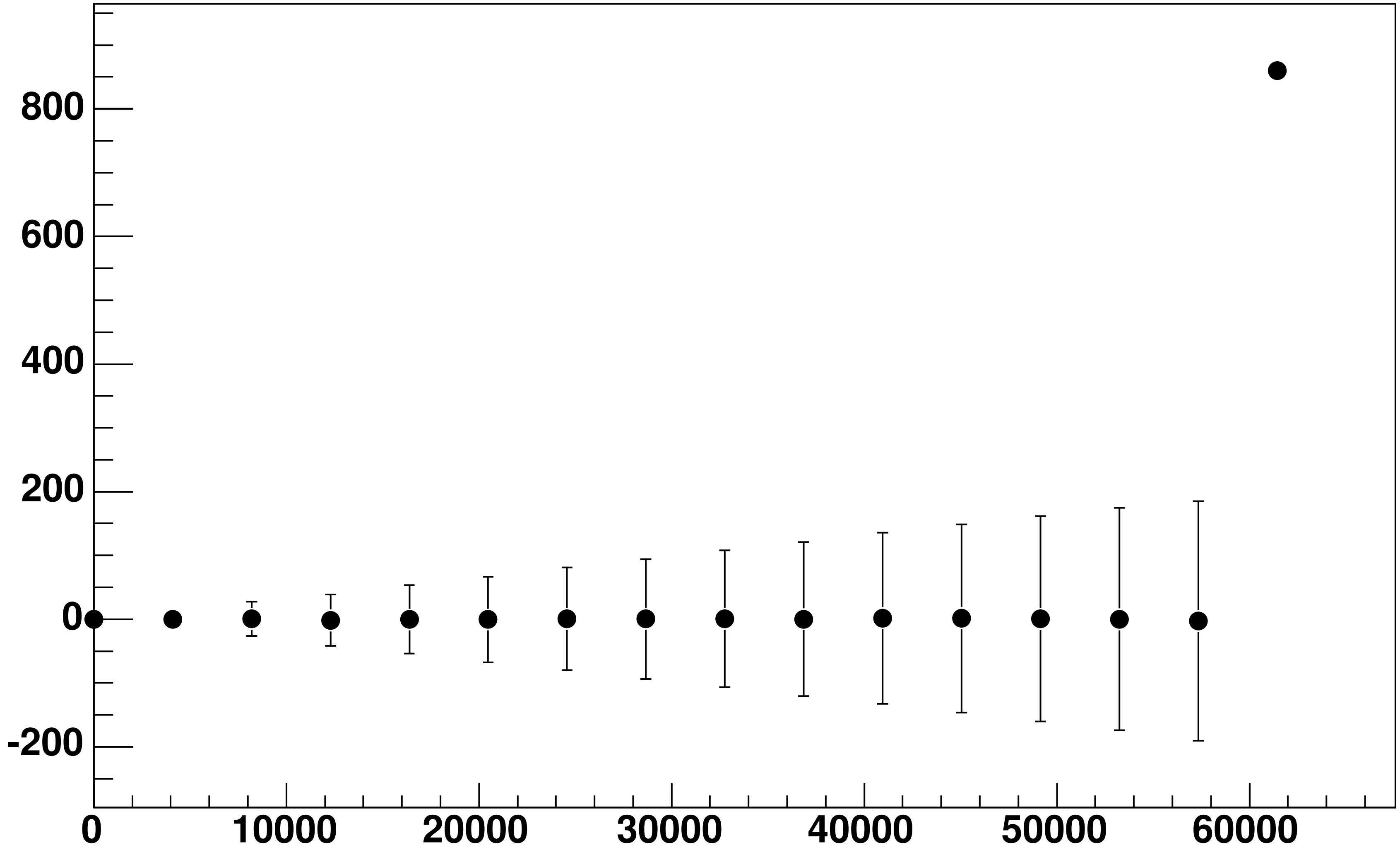
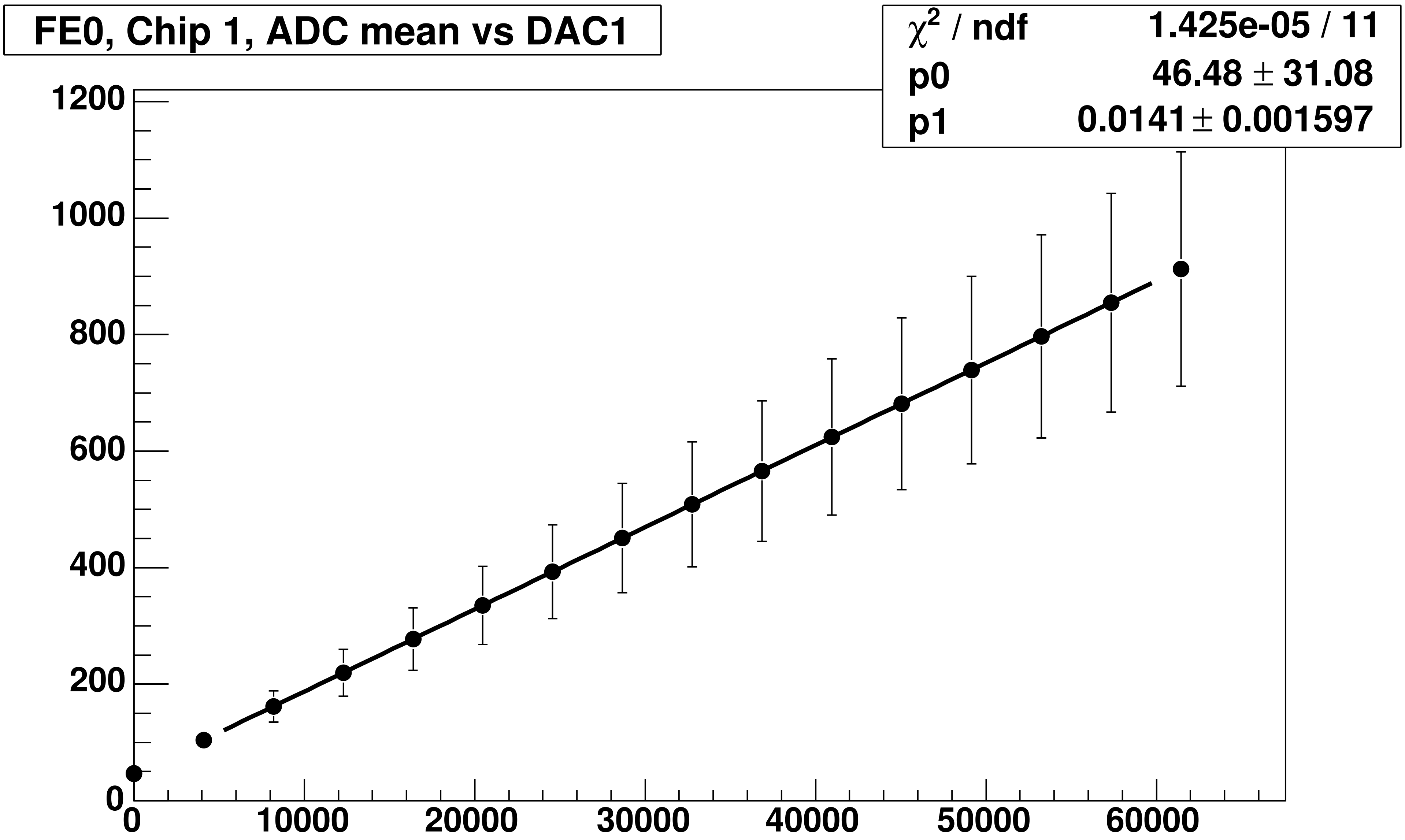
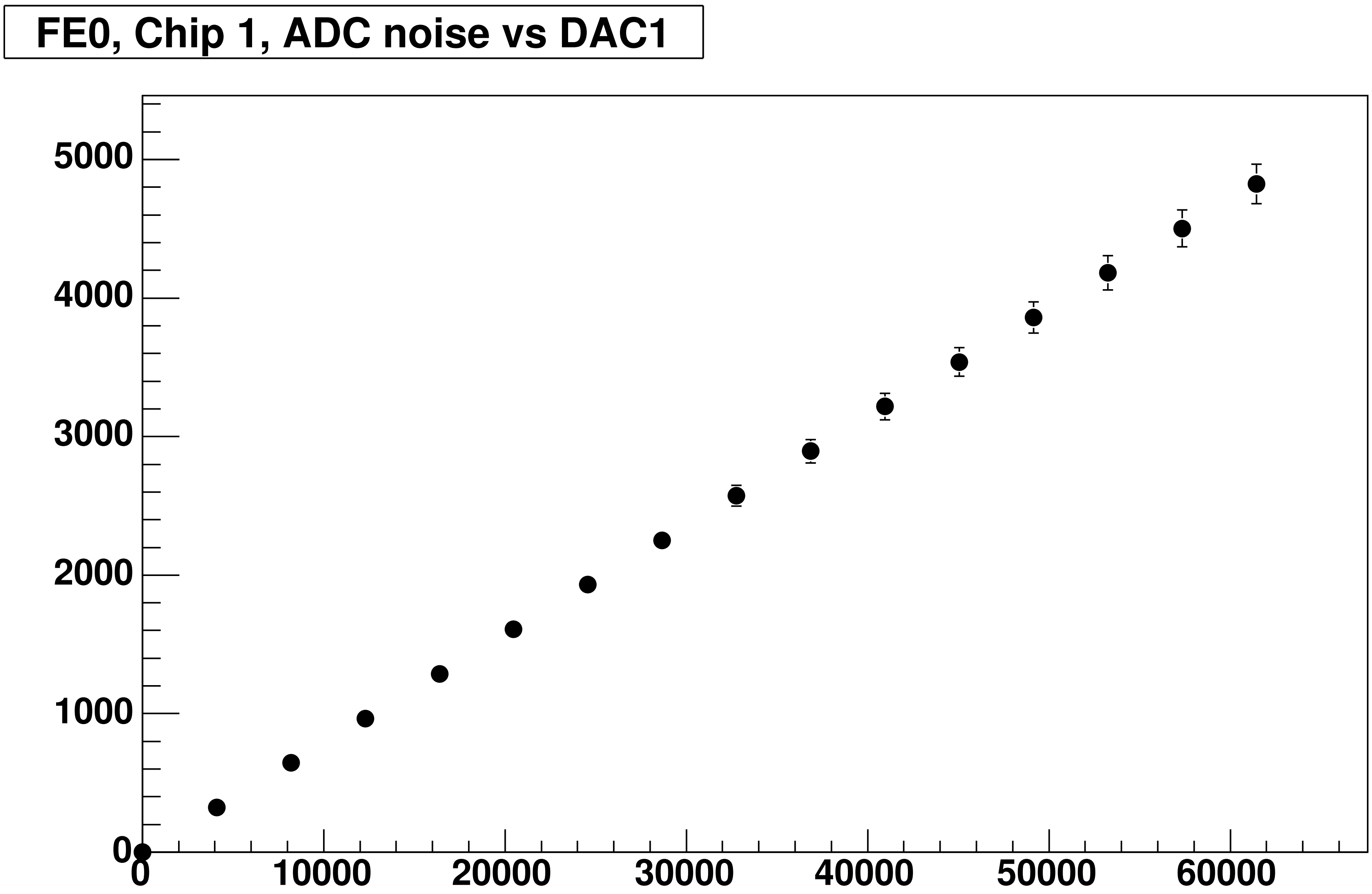
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

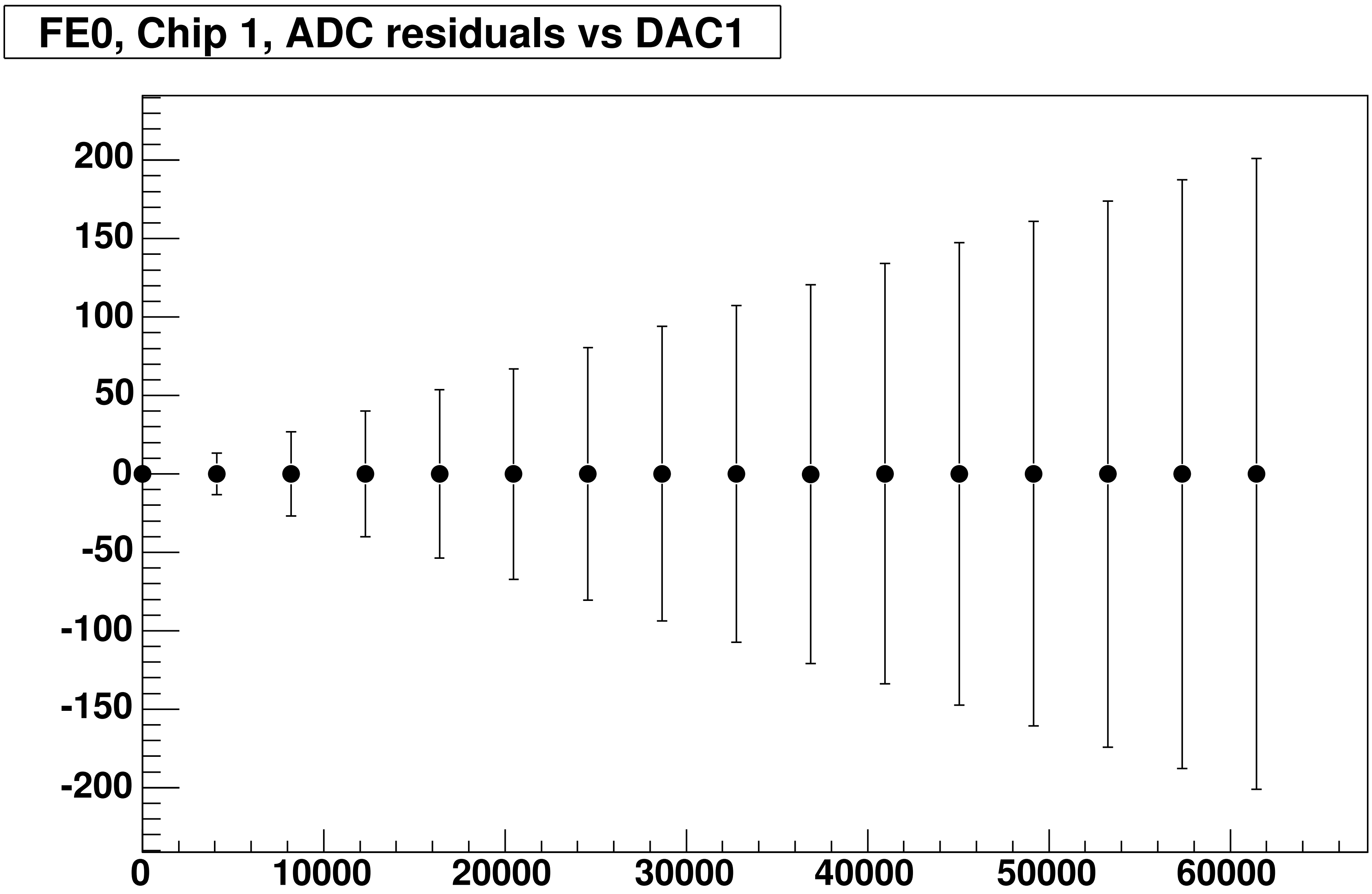

FE0, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

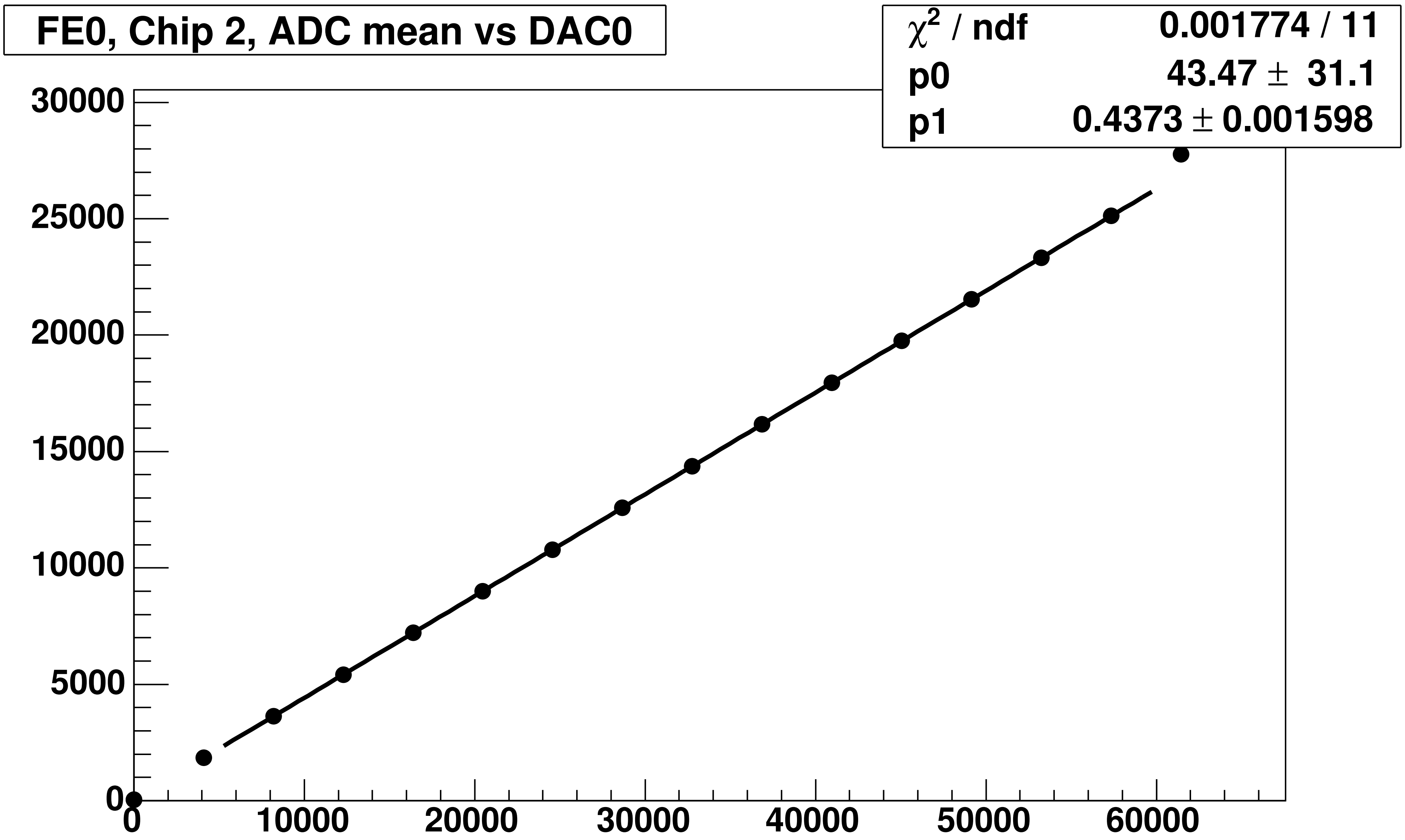
FE0, Chip 1, ADC residuals vs DAC0



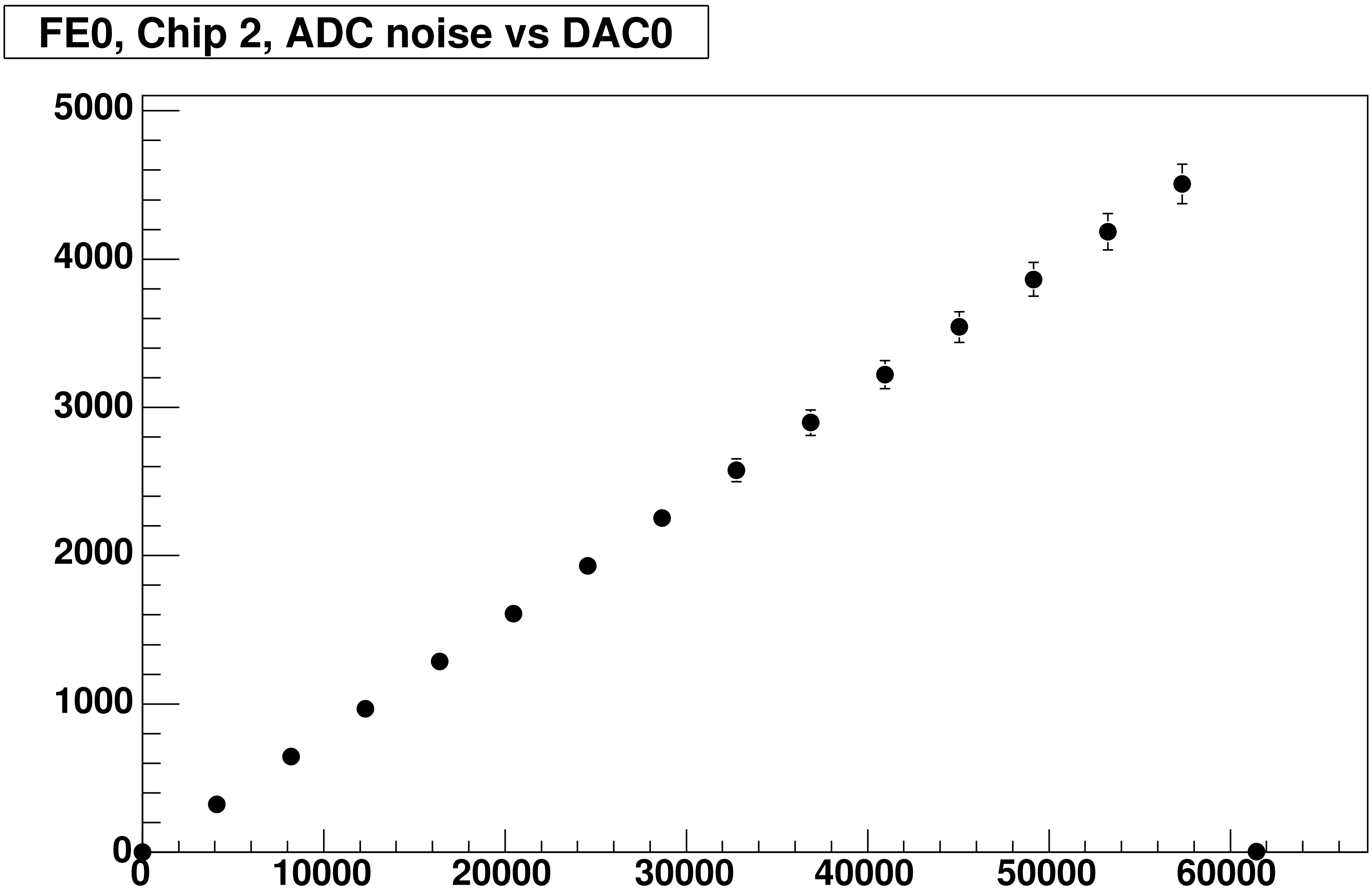

FE0, Chip 1, ADC mean vs DAC1
χ2 / ndf 1.425e-05 / 11
p0 46.48 ± 31.08
p1 0.0141 ± 0.001597
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

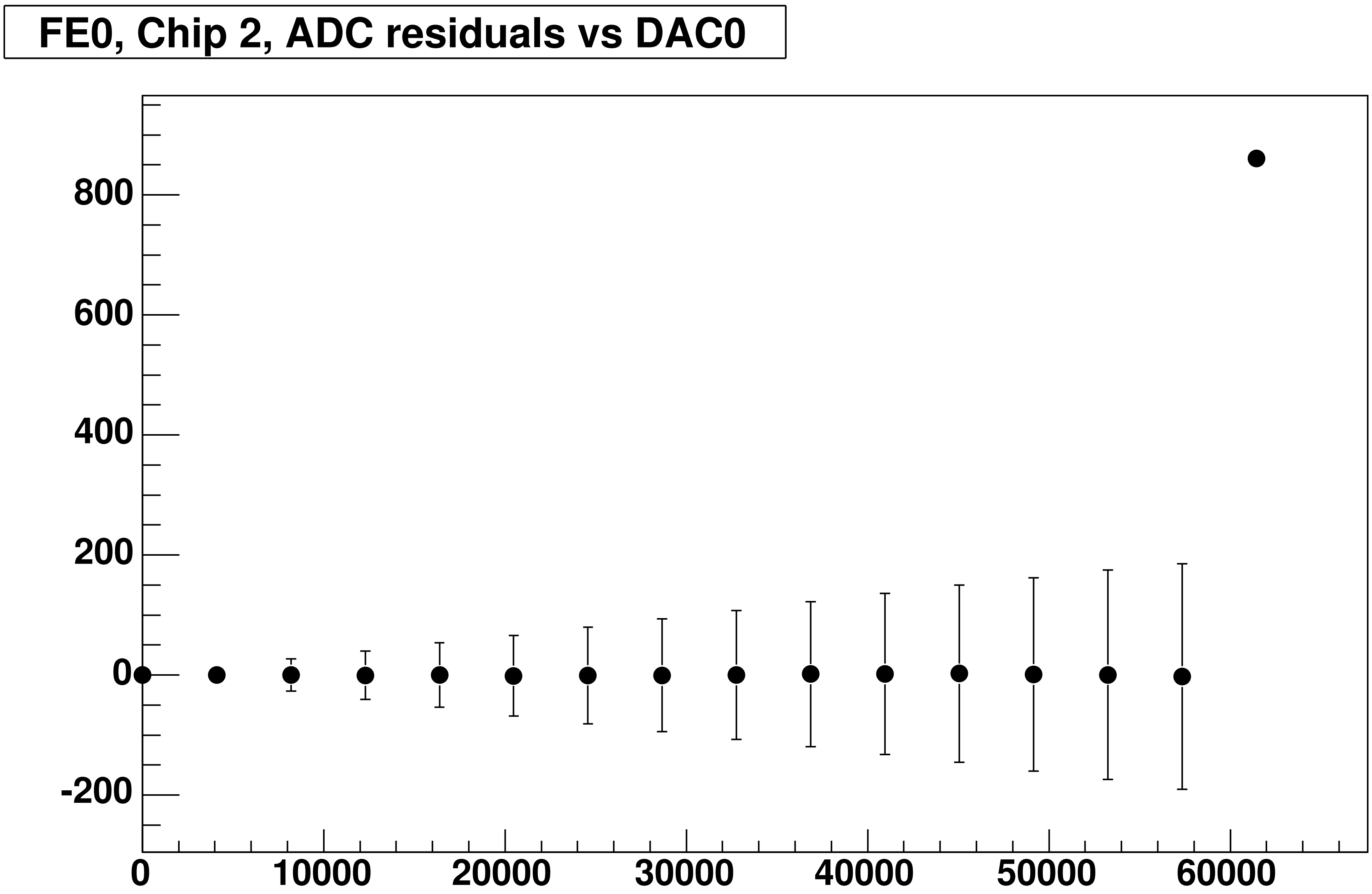

FE0, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

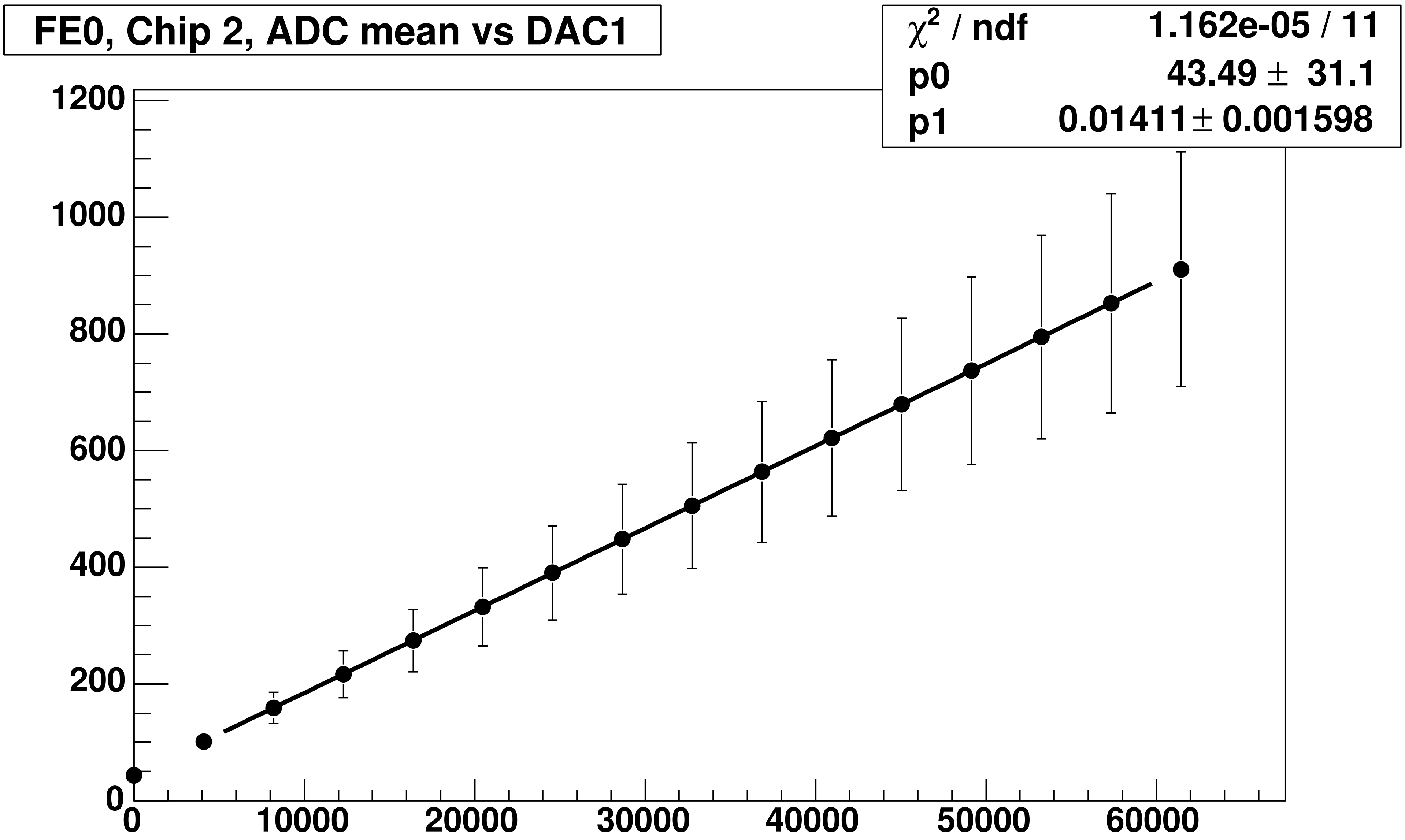

FE0, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



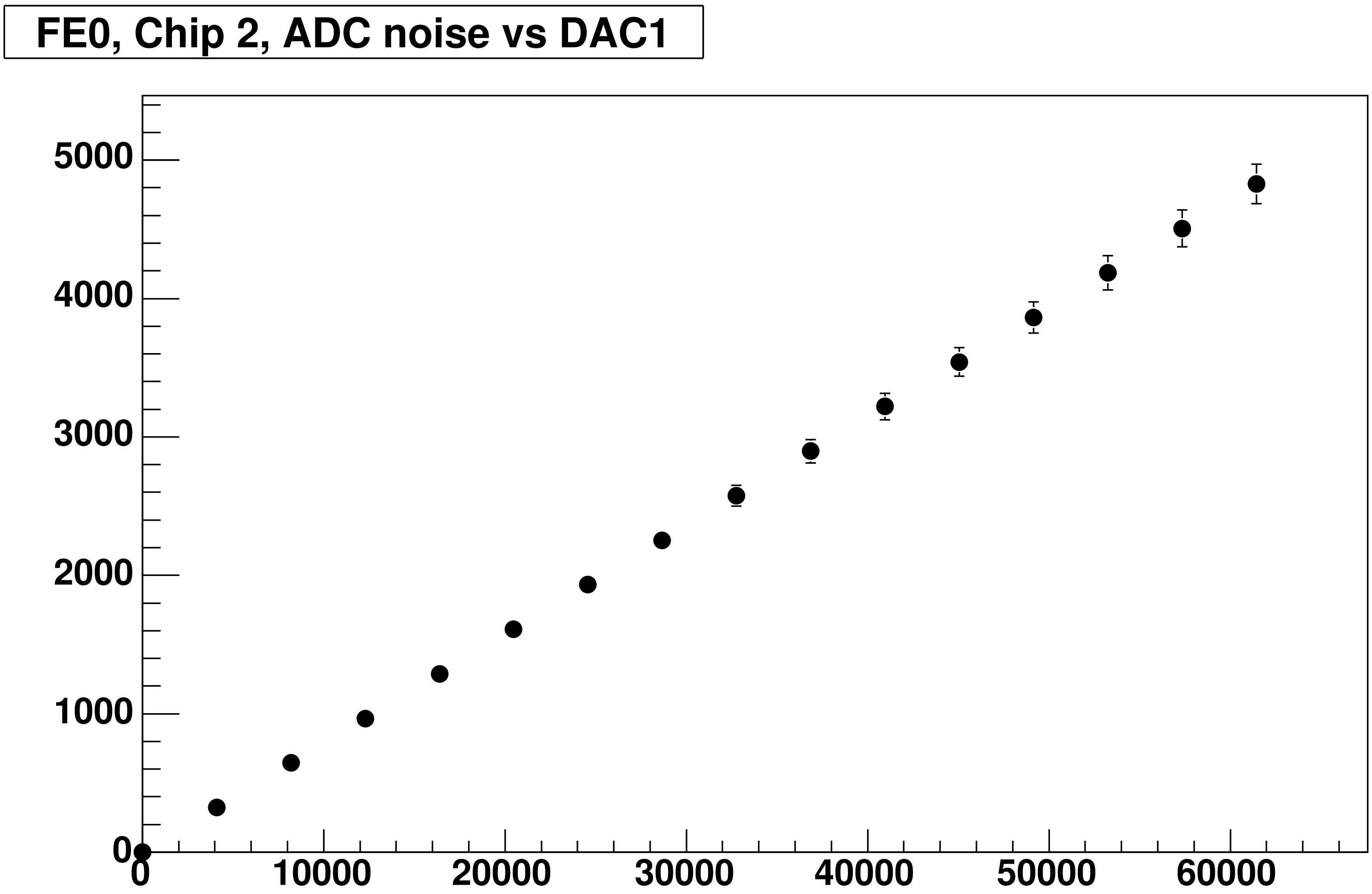
FE0, Chip 2, ADC mean vs DAC0
χ2 / ndf 0.001774 / 11
p0 43.47 ± 31.1
p1 0.4373 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

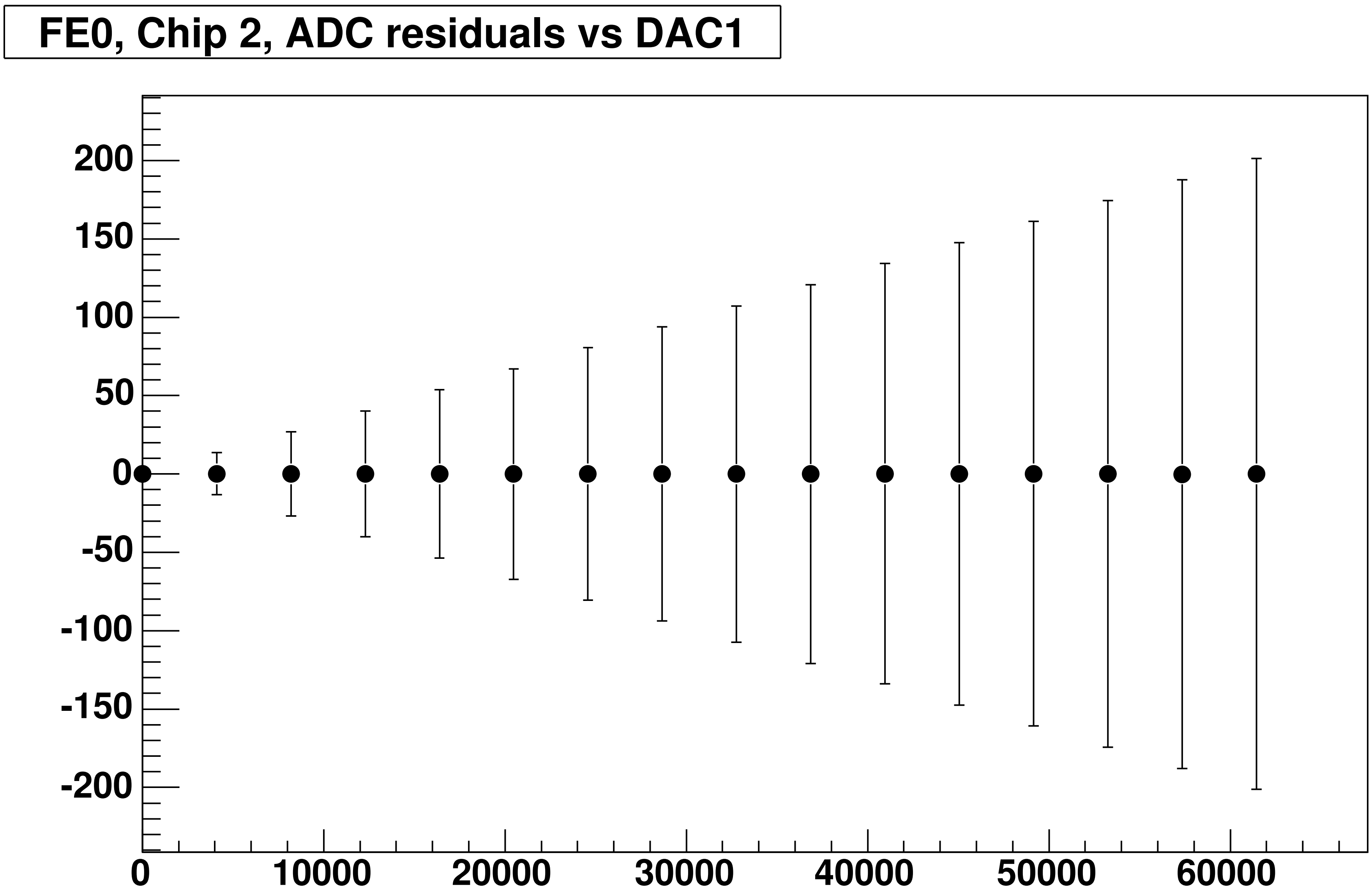

FE0, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

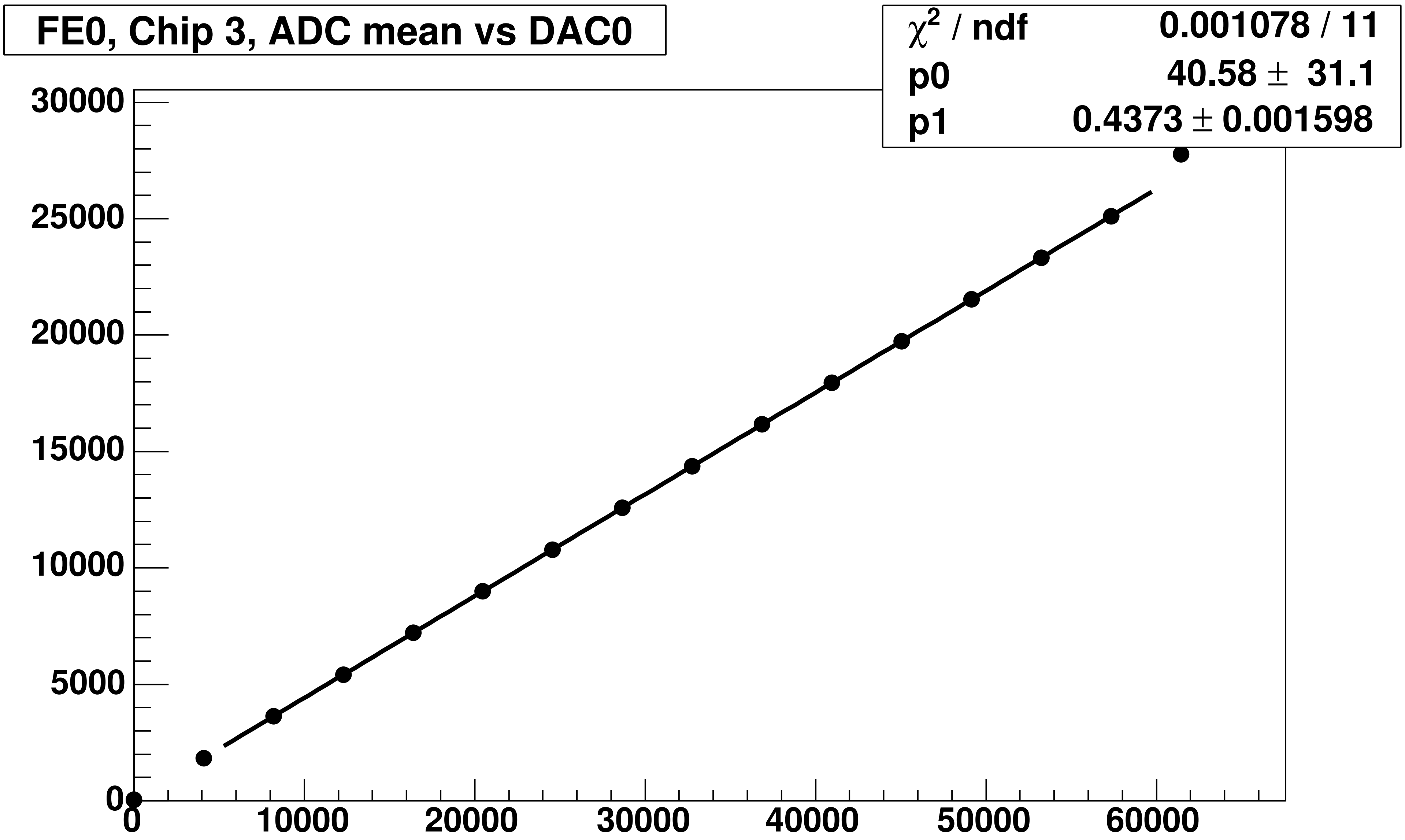

FE0, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

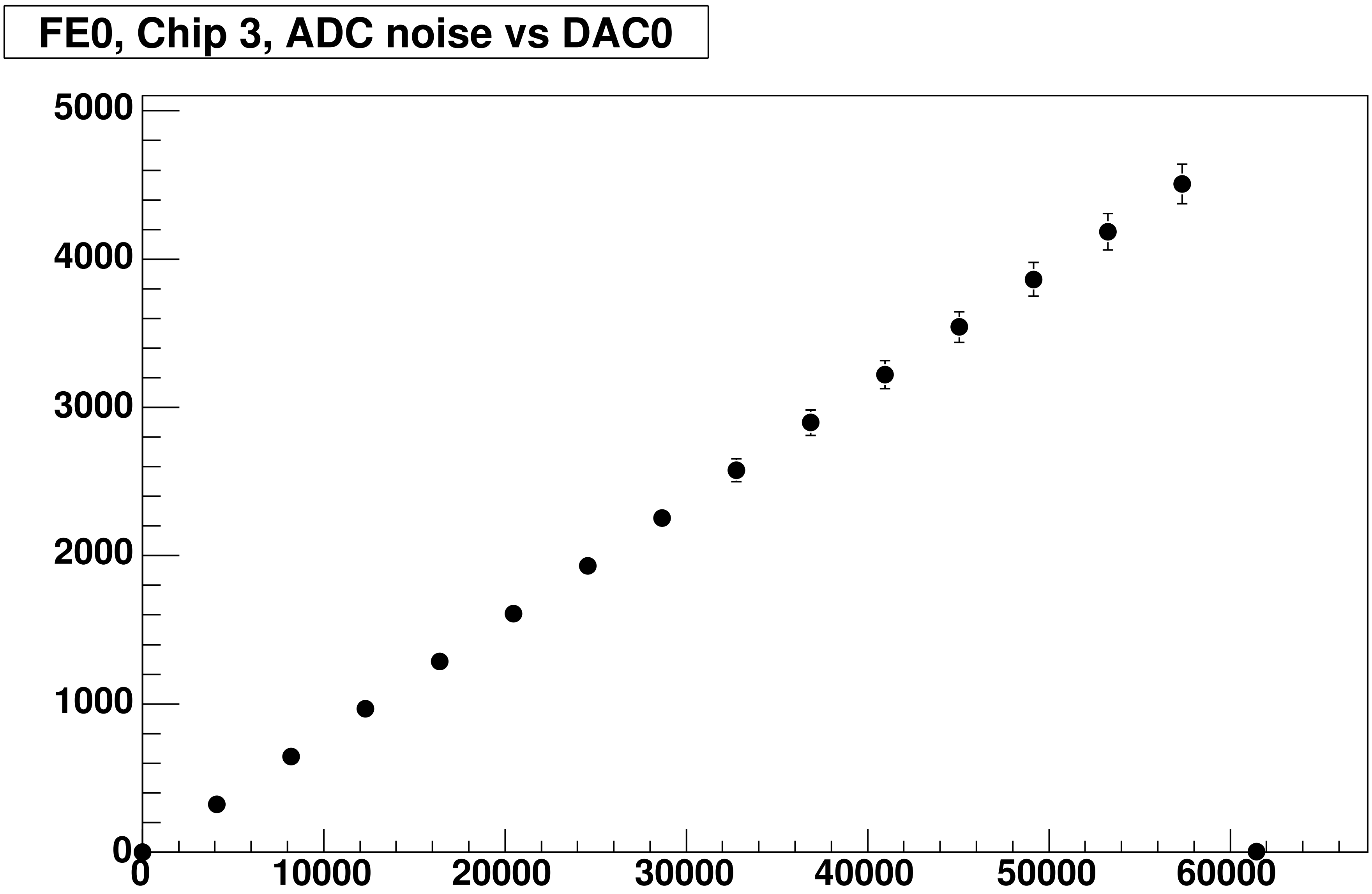


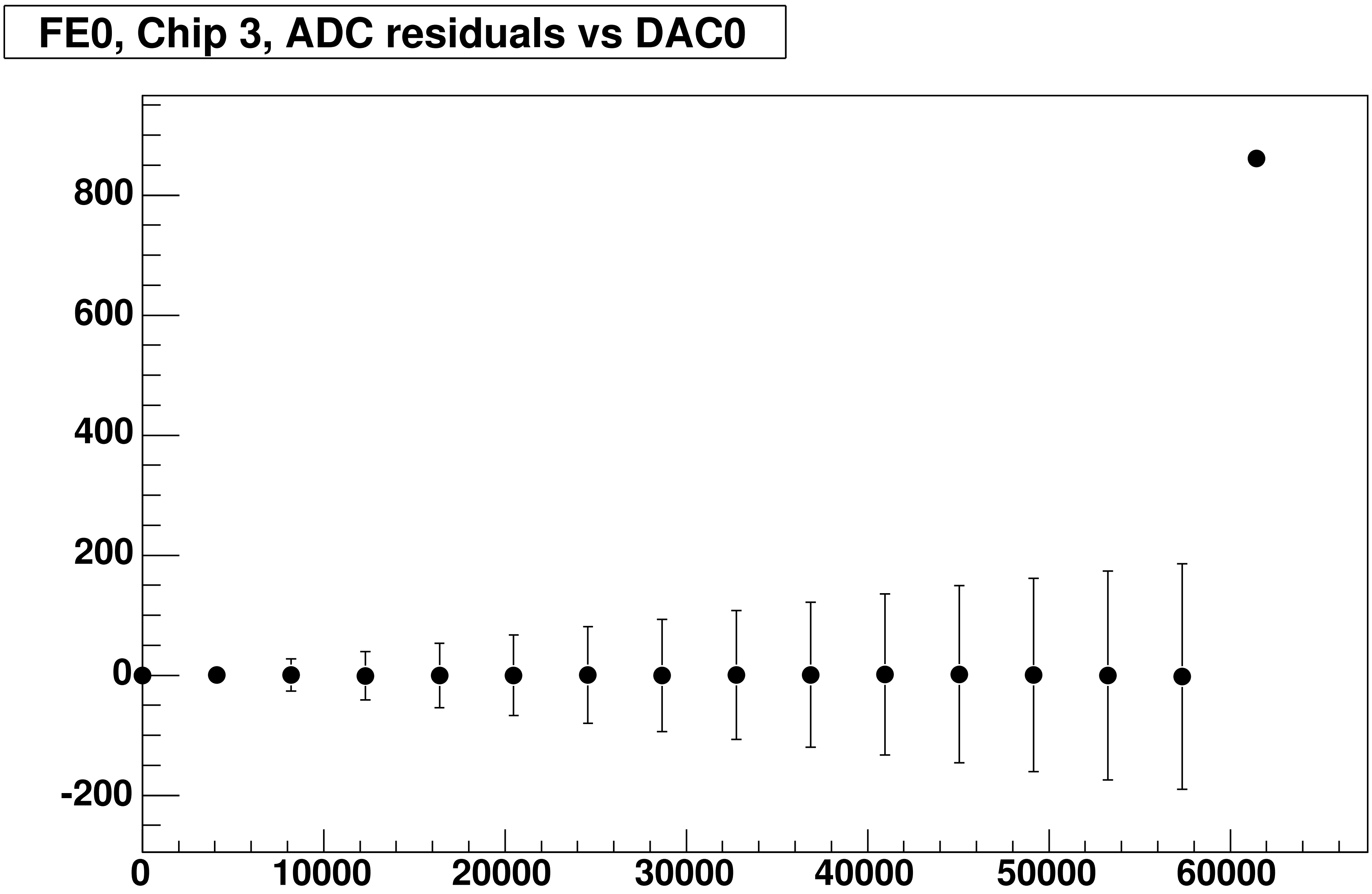
FE0, Chip 2, ADC mean vs DAC1
χ2 / ndf 1.162e-05 / 11
p0 43.49 ± 31.1
p1 0.01411 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

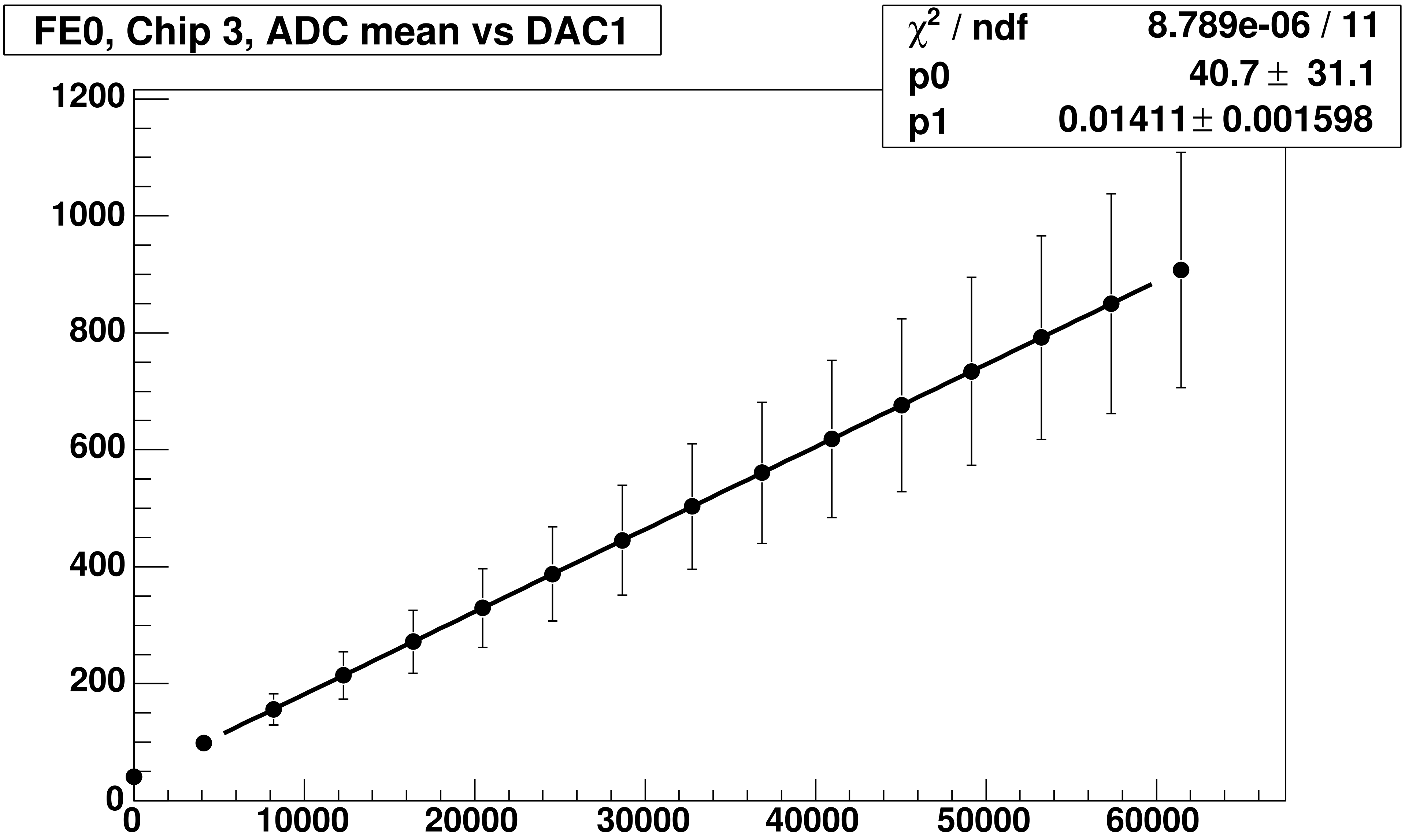

FE0, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

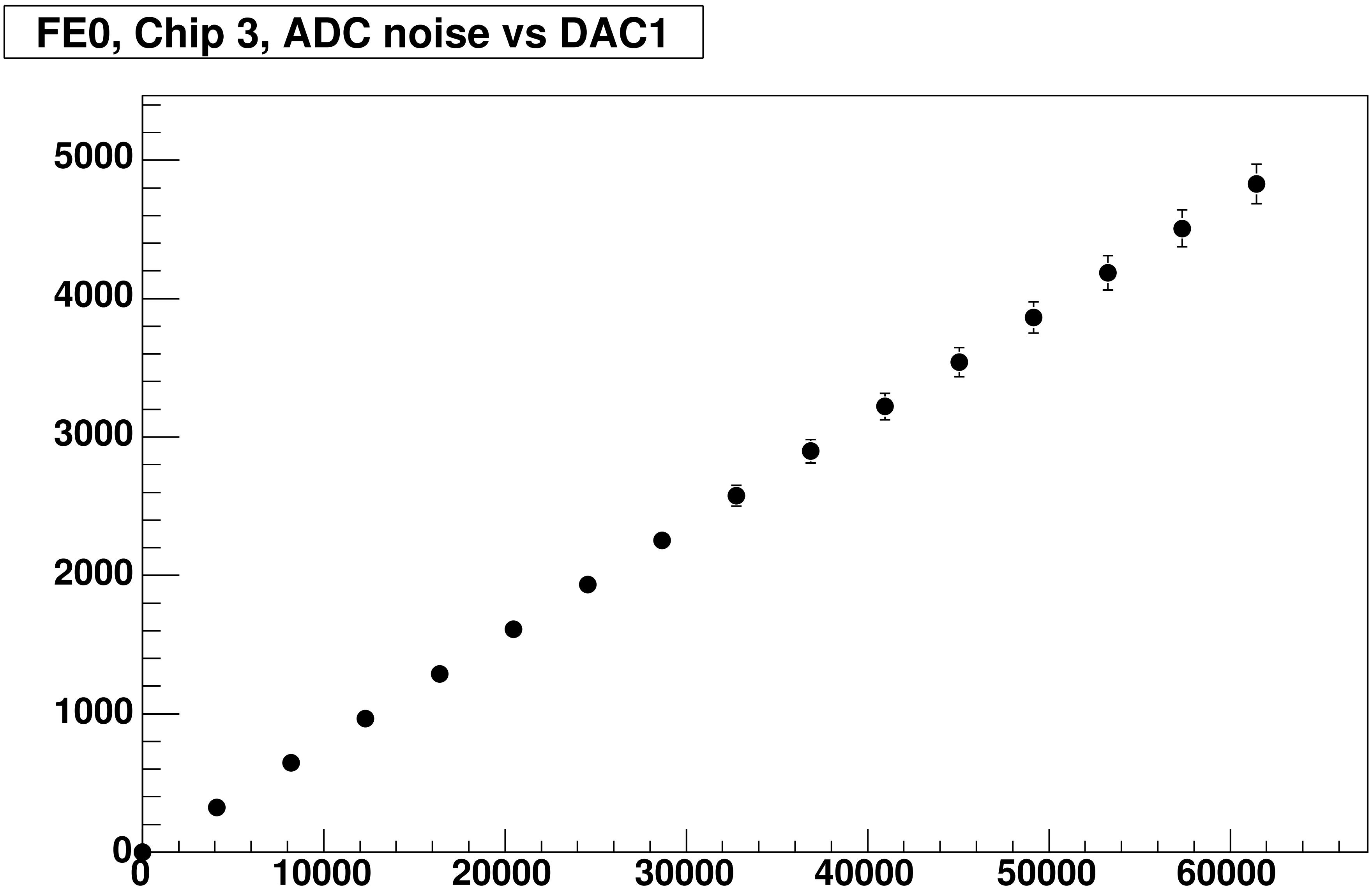

FE0, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.001078 / 11
p0 40.58 ± 31.1
p1 0.4373 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

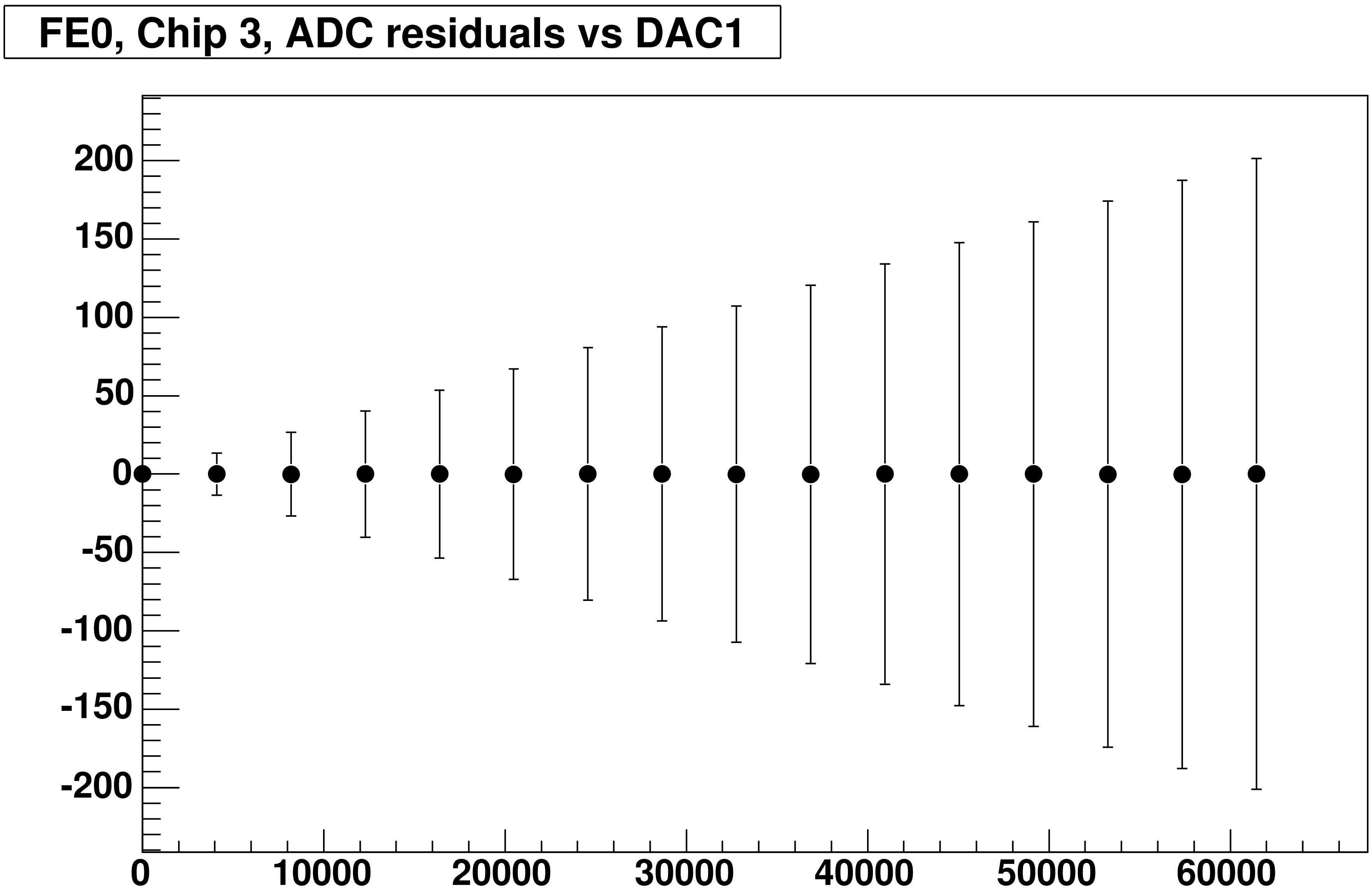

FE0, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

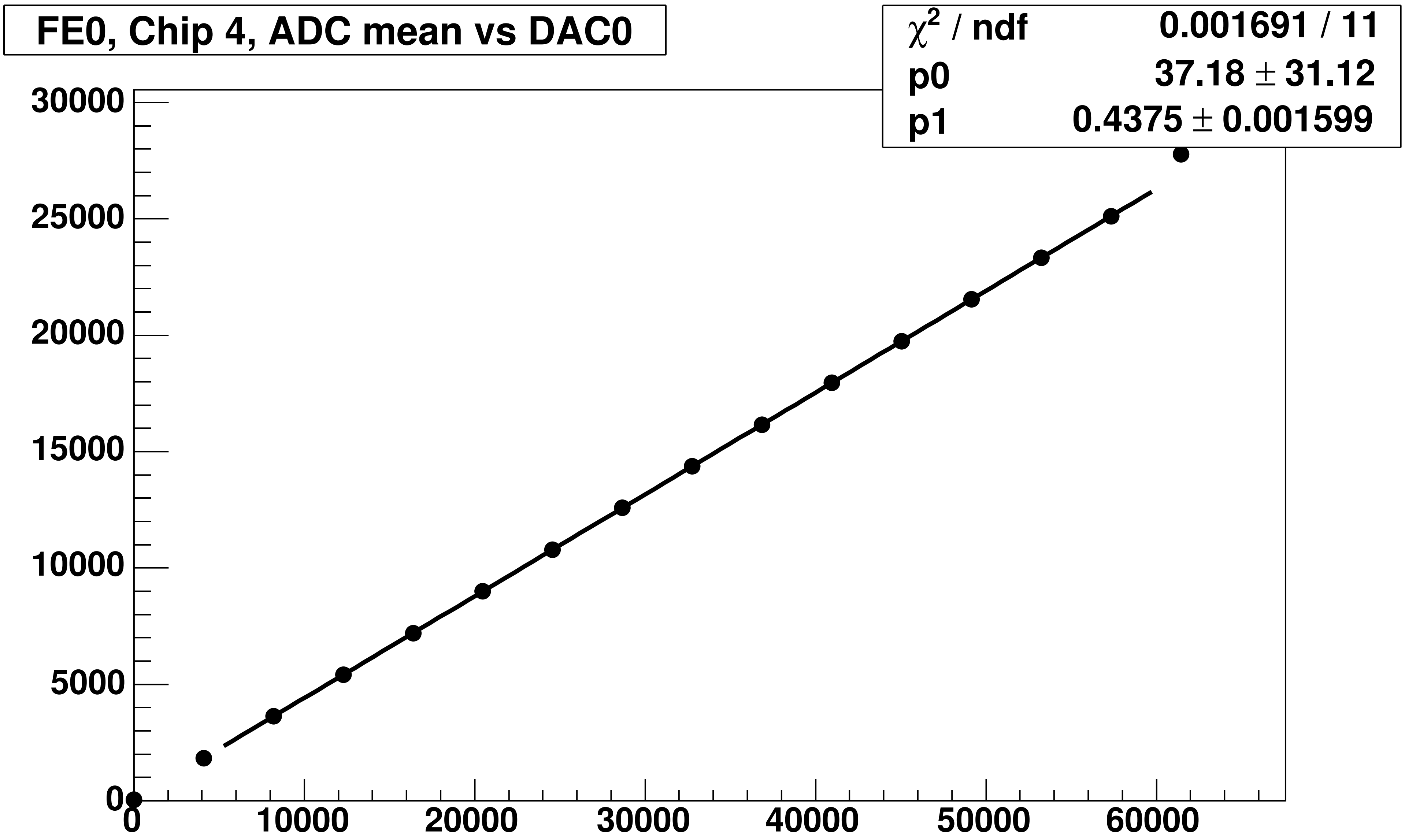

FE0, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



FE0, Chip 3, ADC mean vs DAC1
χ^2 / ndf 8.789e-06 / 11
p0 40.7 ± 31.1
p1 0.01411 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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


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


FE0, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001691 / 11
p0 37.18 ± 31.12
p1 0.4375 ± 0.001599
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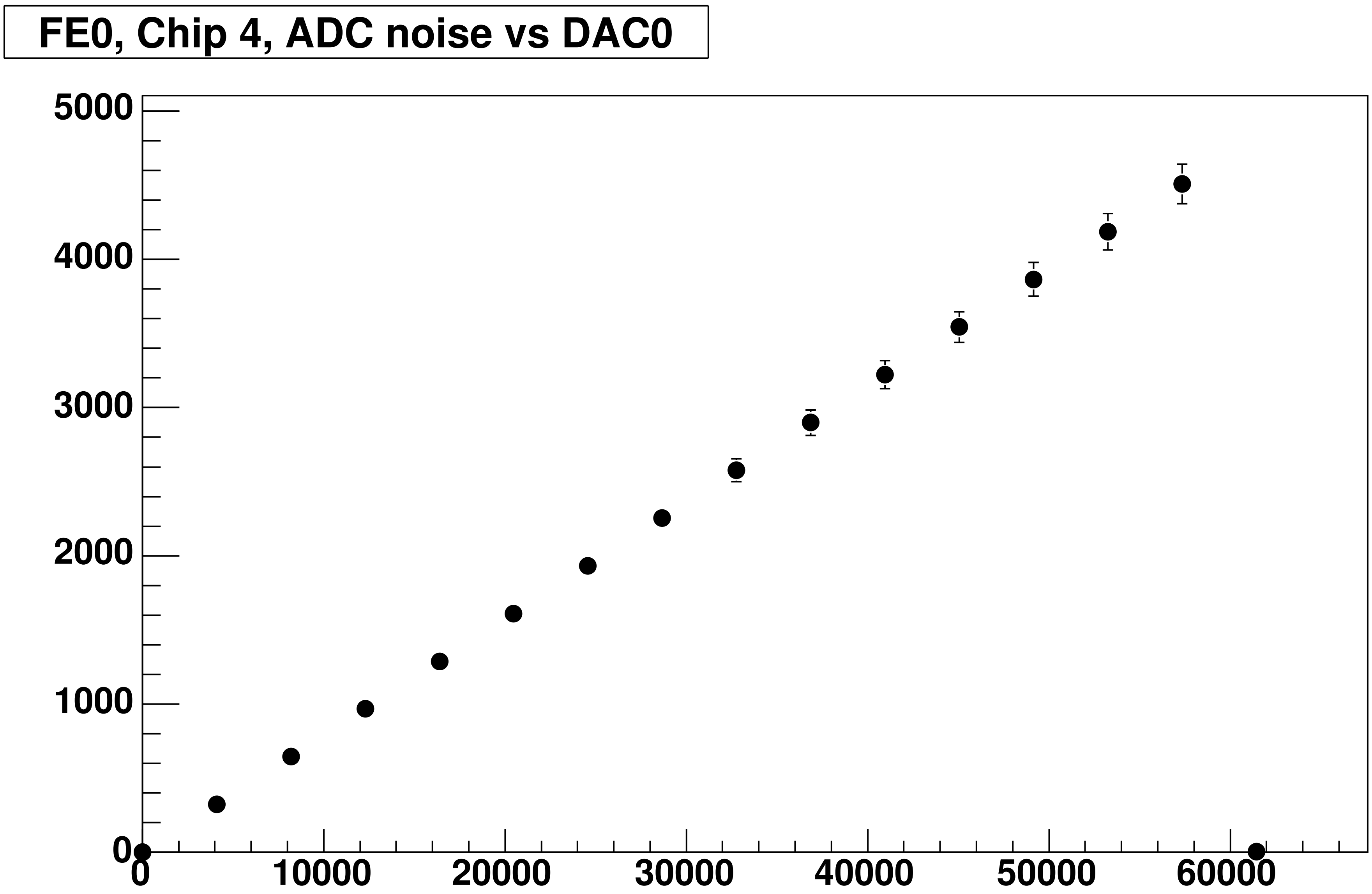
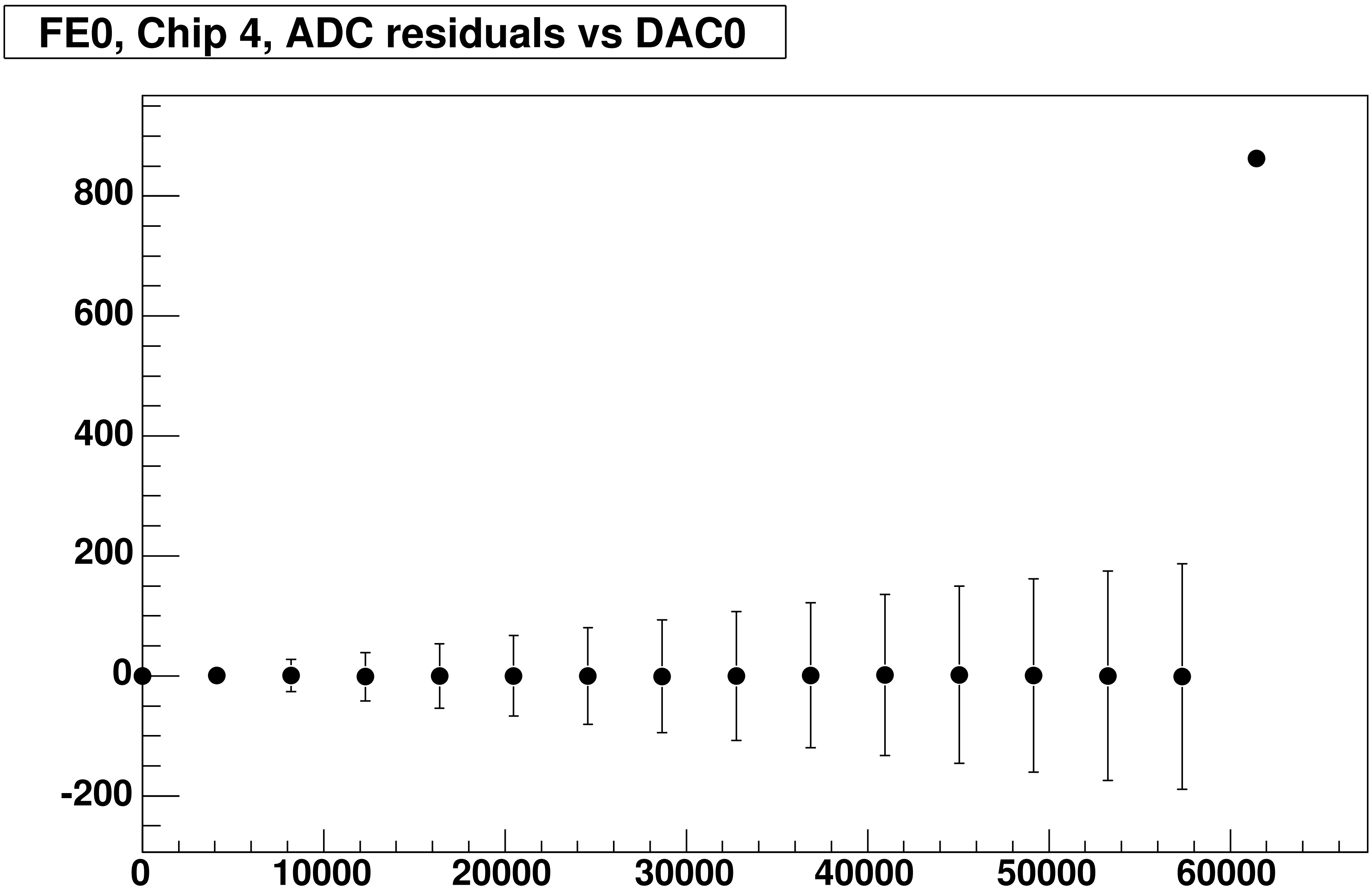
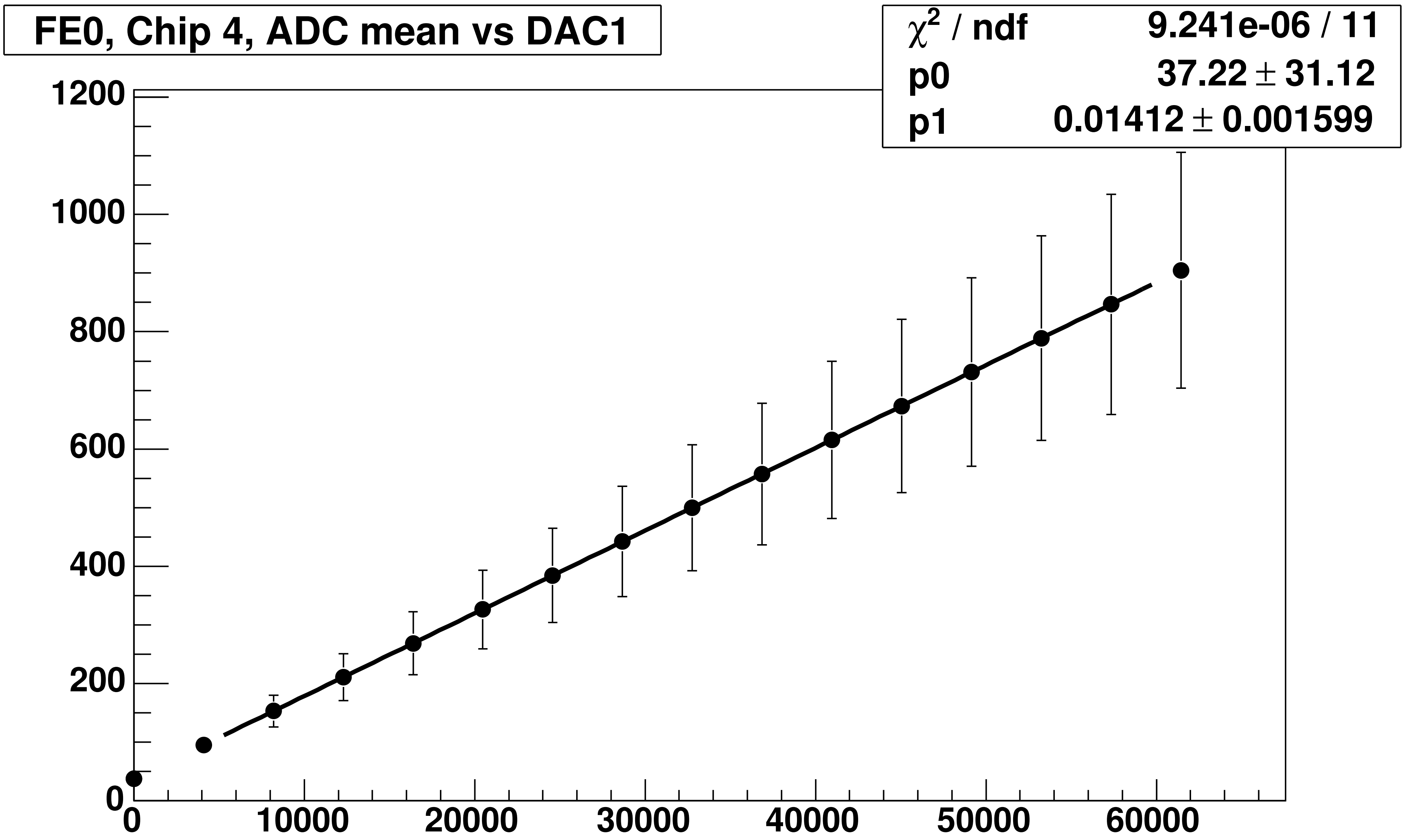
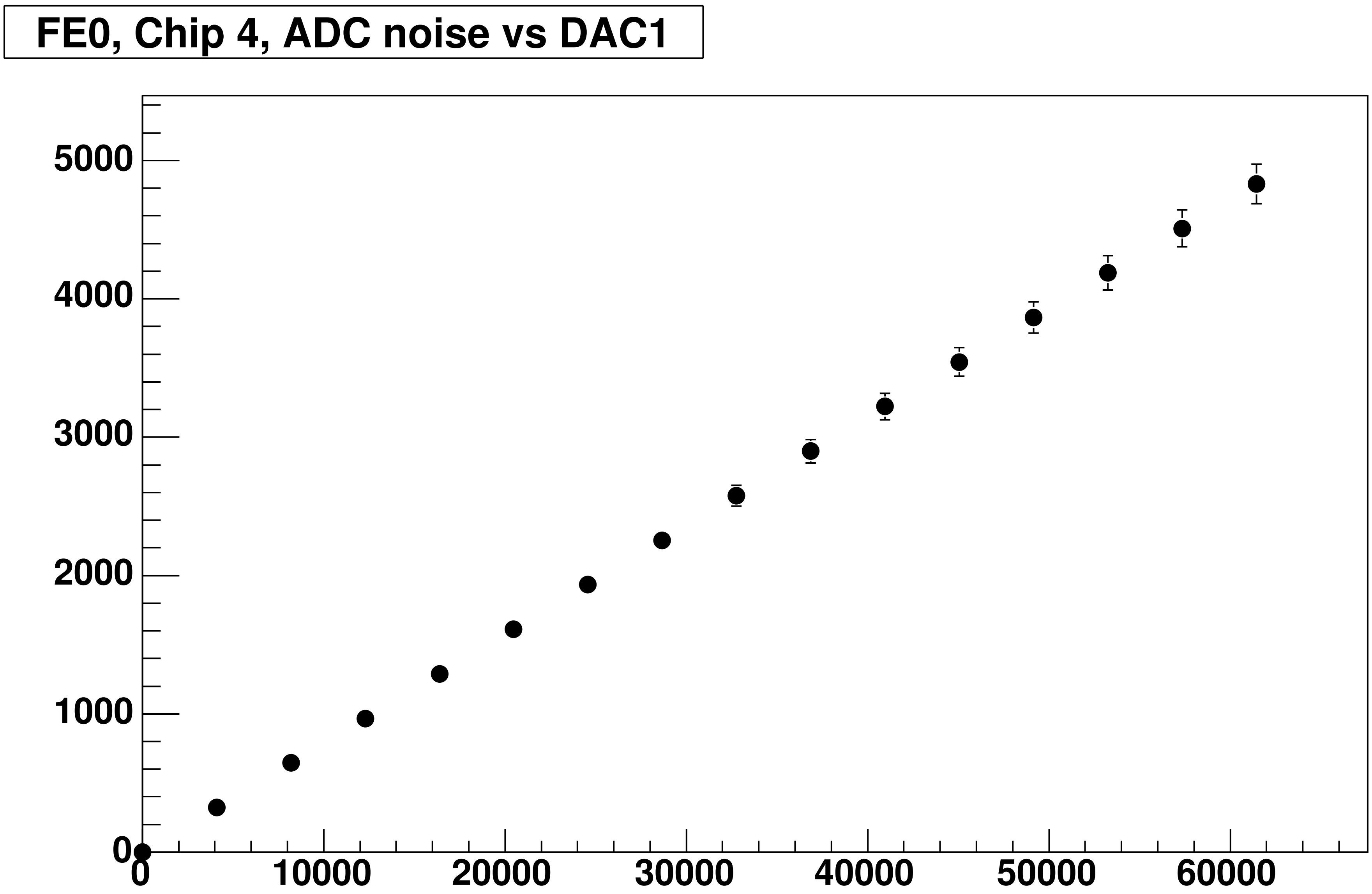
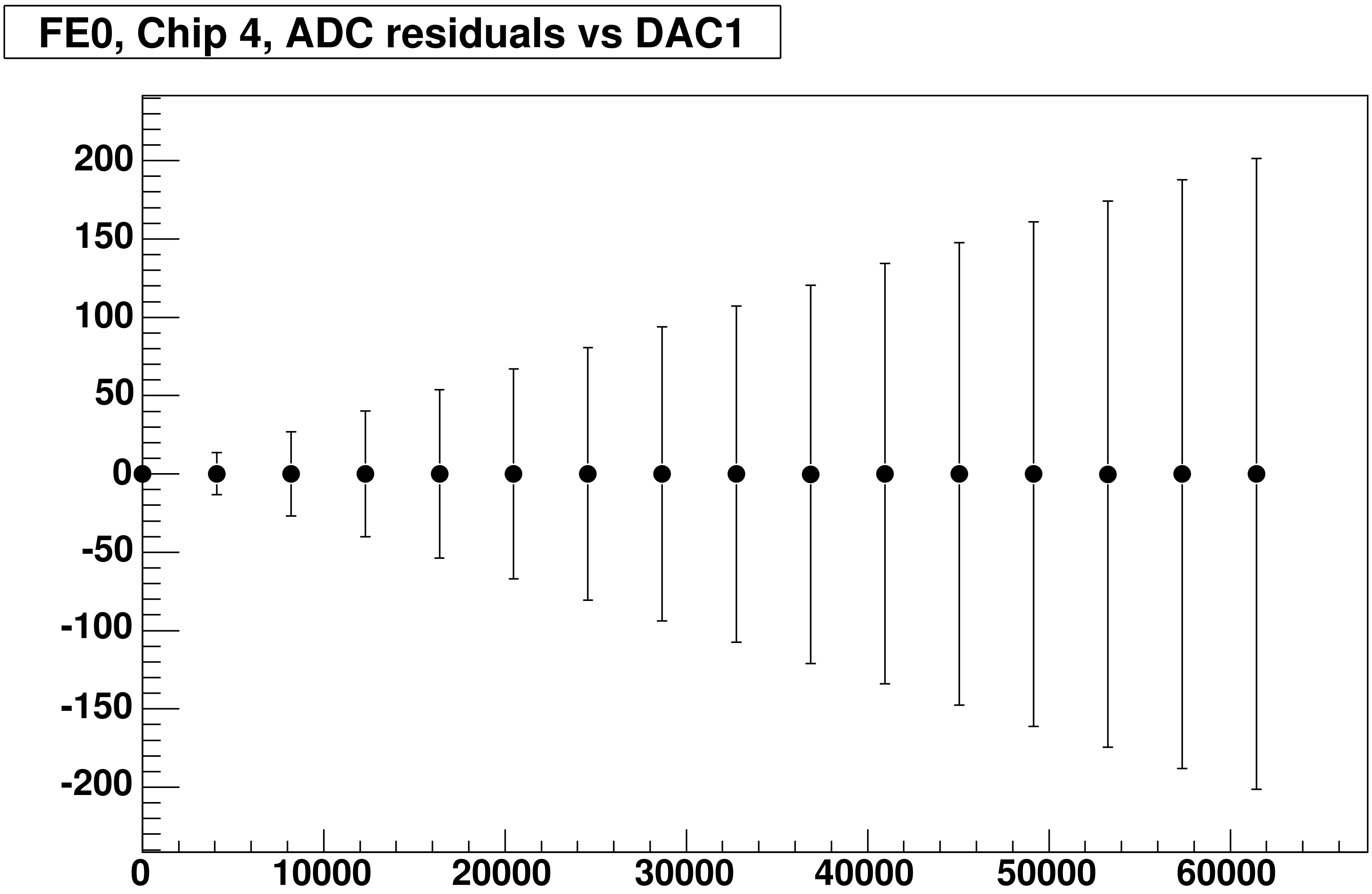
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

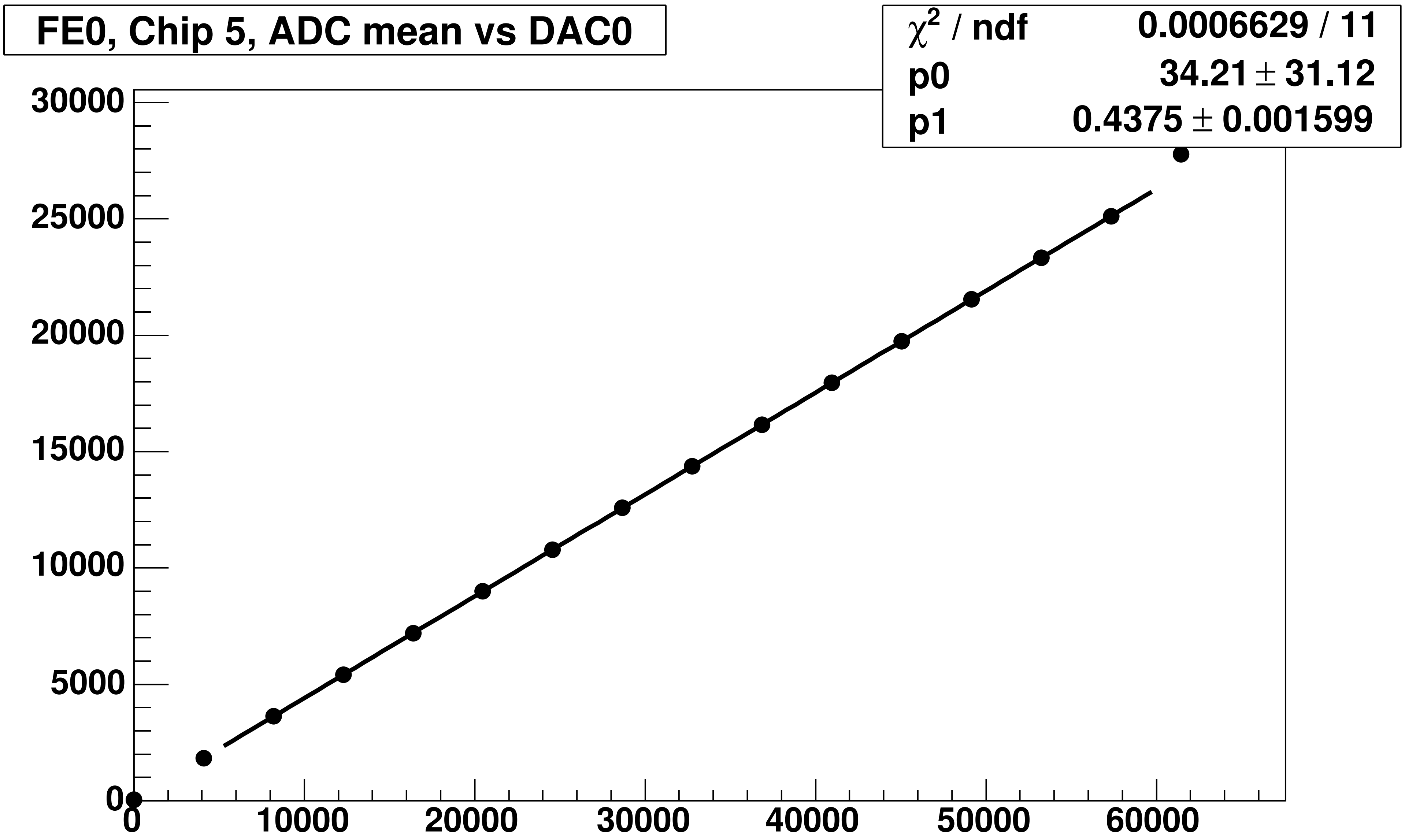

FE0, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

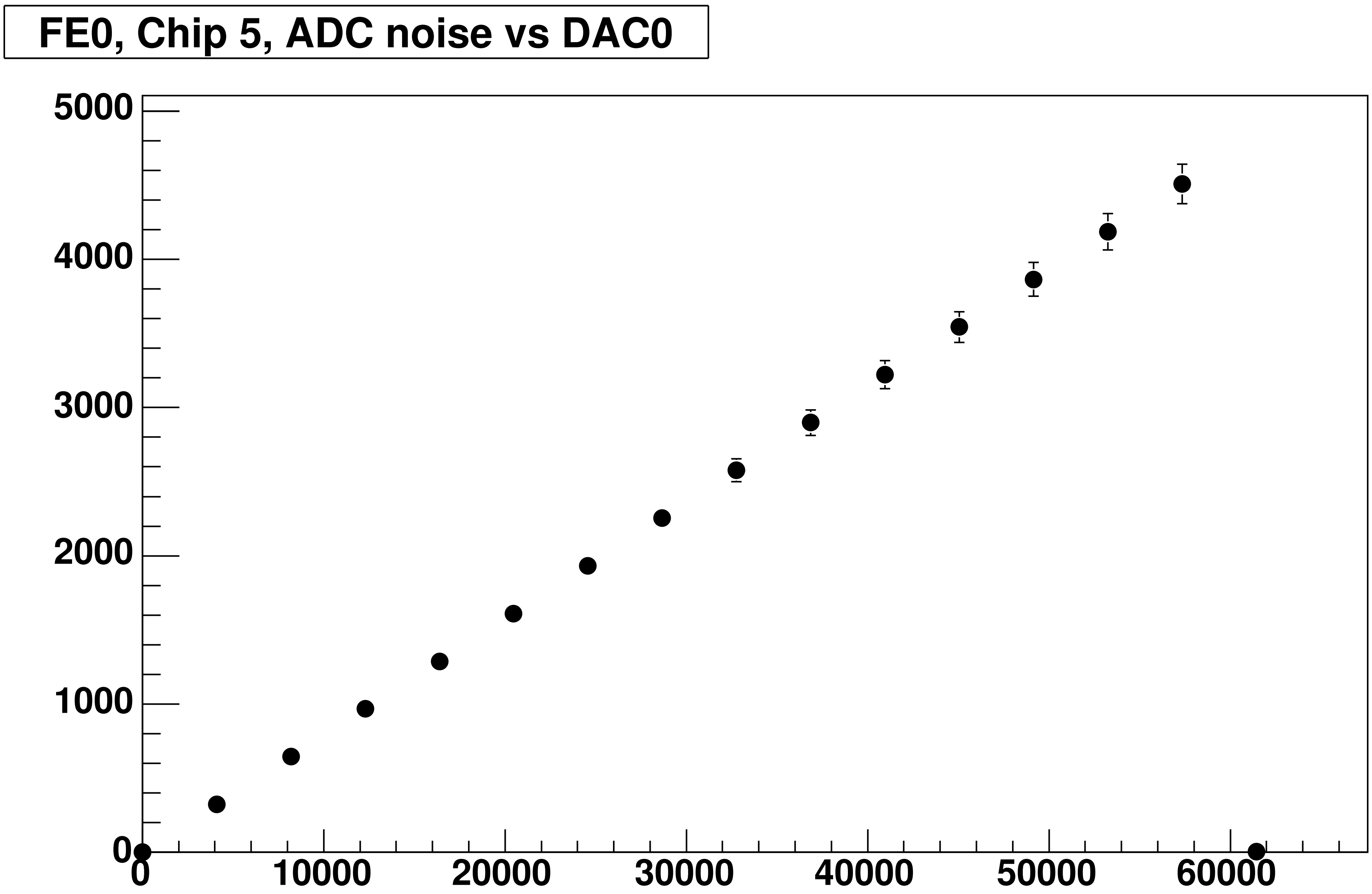

FE0, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

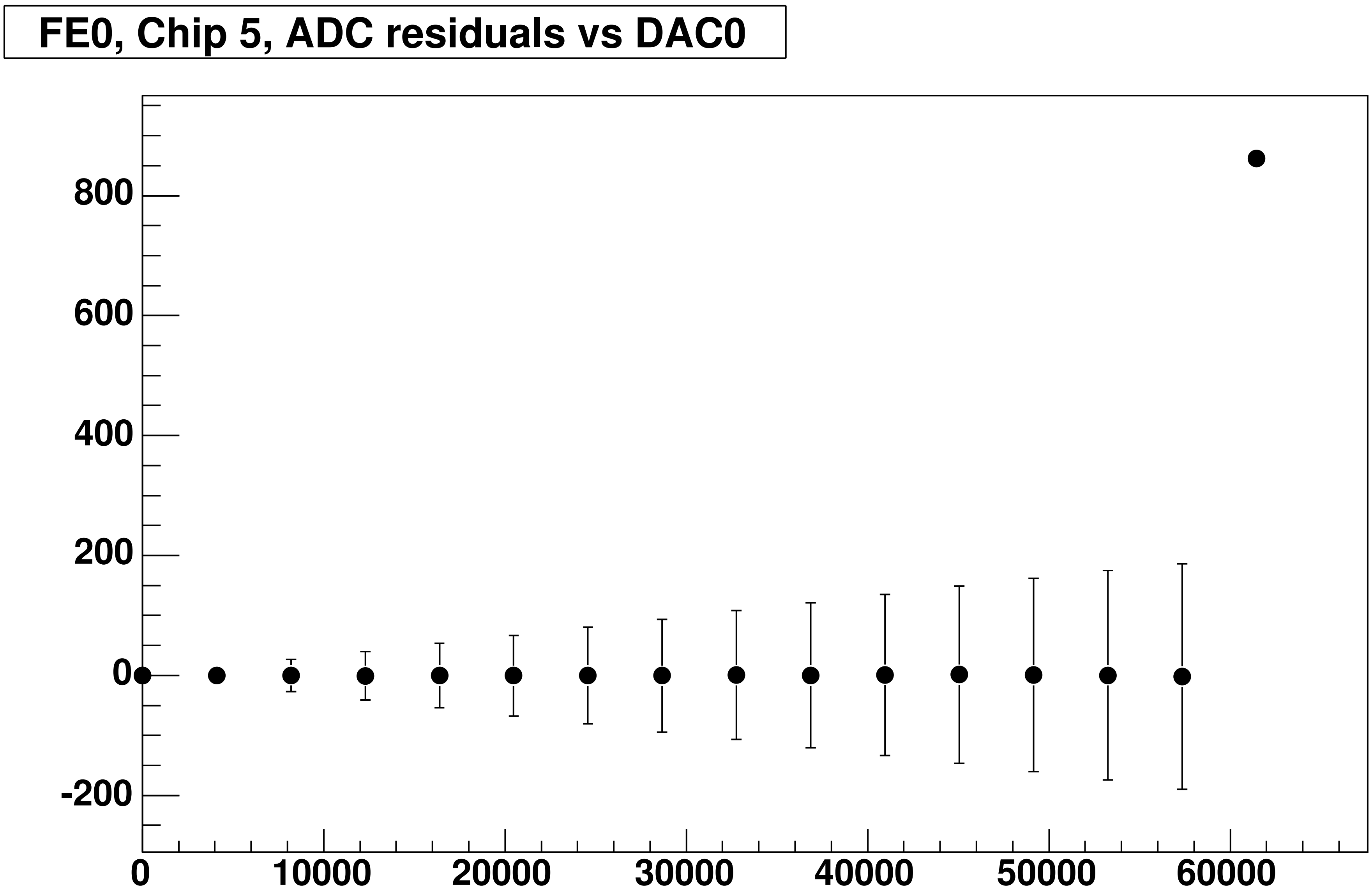

FE0, Chip 4, ADC mean vs DAC1
χ^2 / ndf 9.241e-06 / 11
p0 37.22 ± 31.12
p1 0.01412 ± 0.001599
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

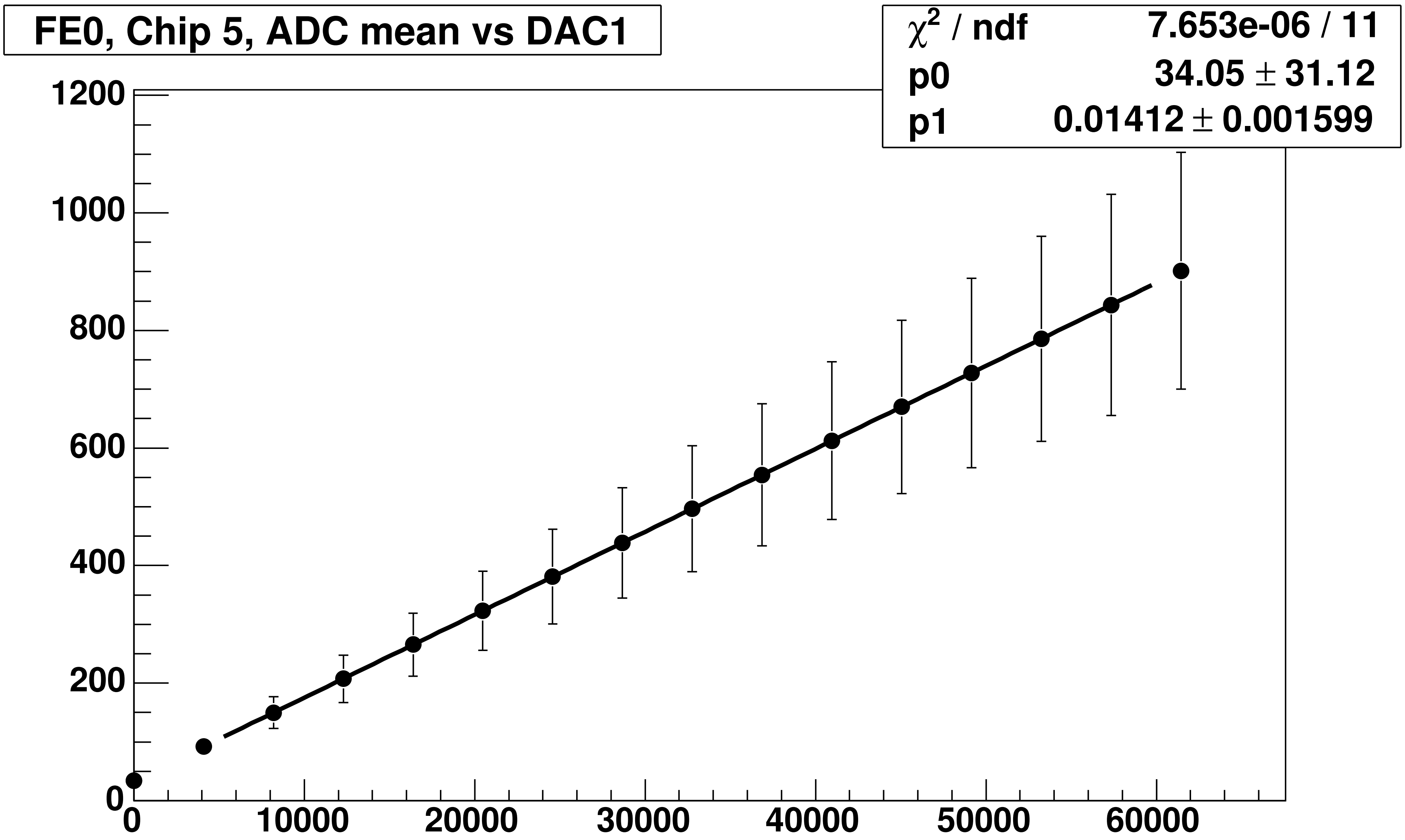

FE0, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

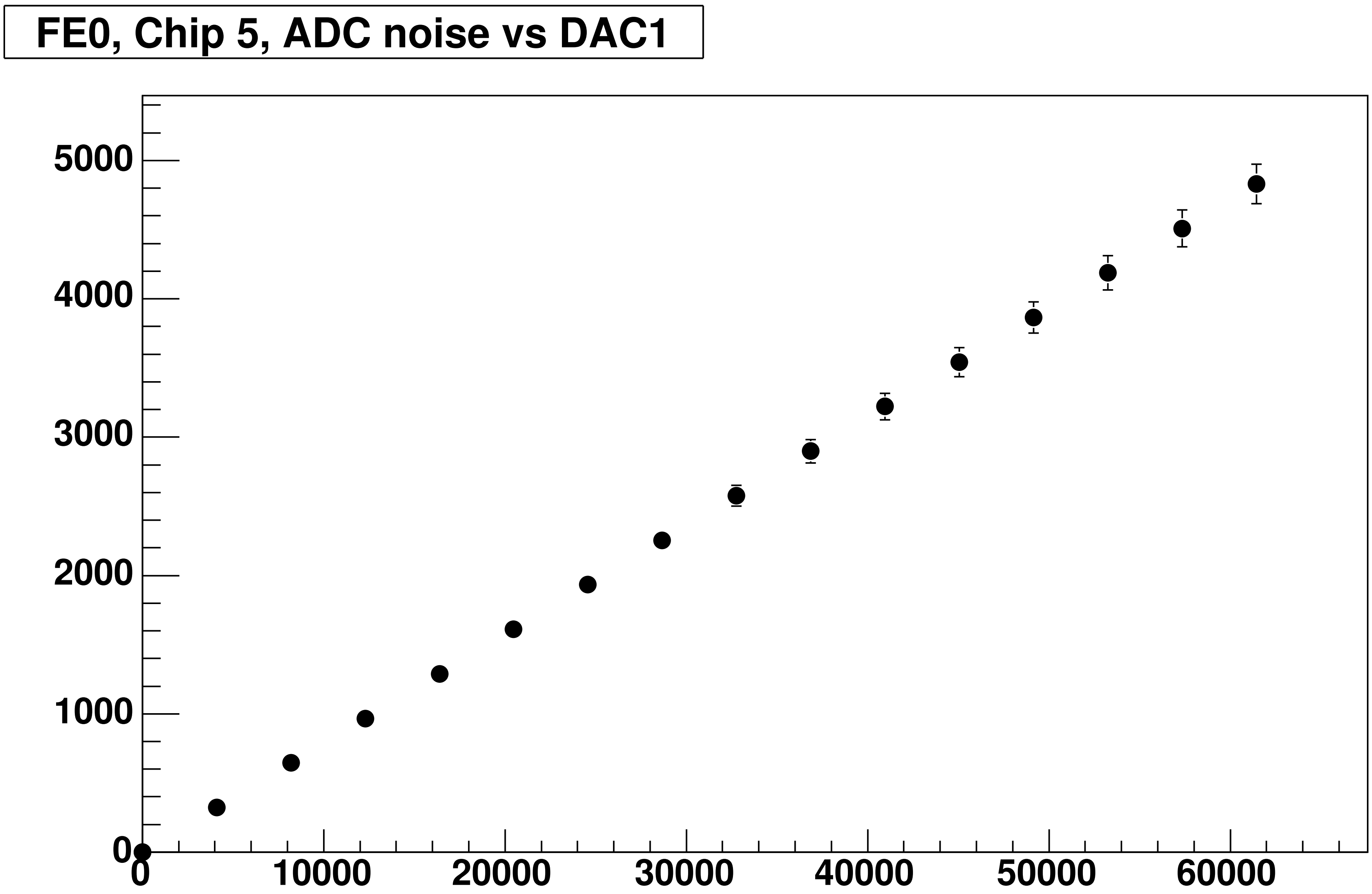

FE0, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0006629 / 11
p0 34.21 ± 31.12
p1 0.4375 ± 0.001599
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

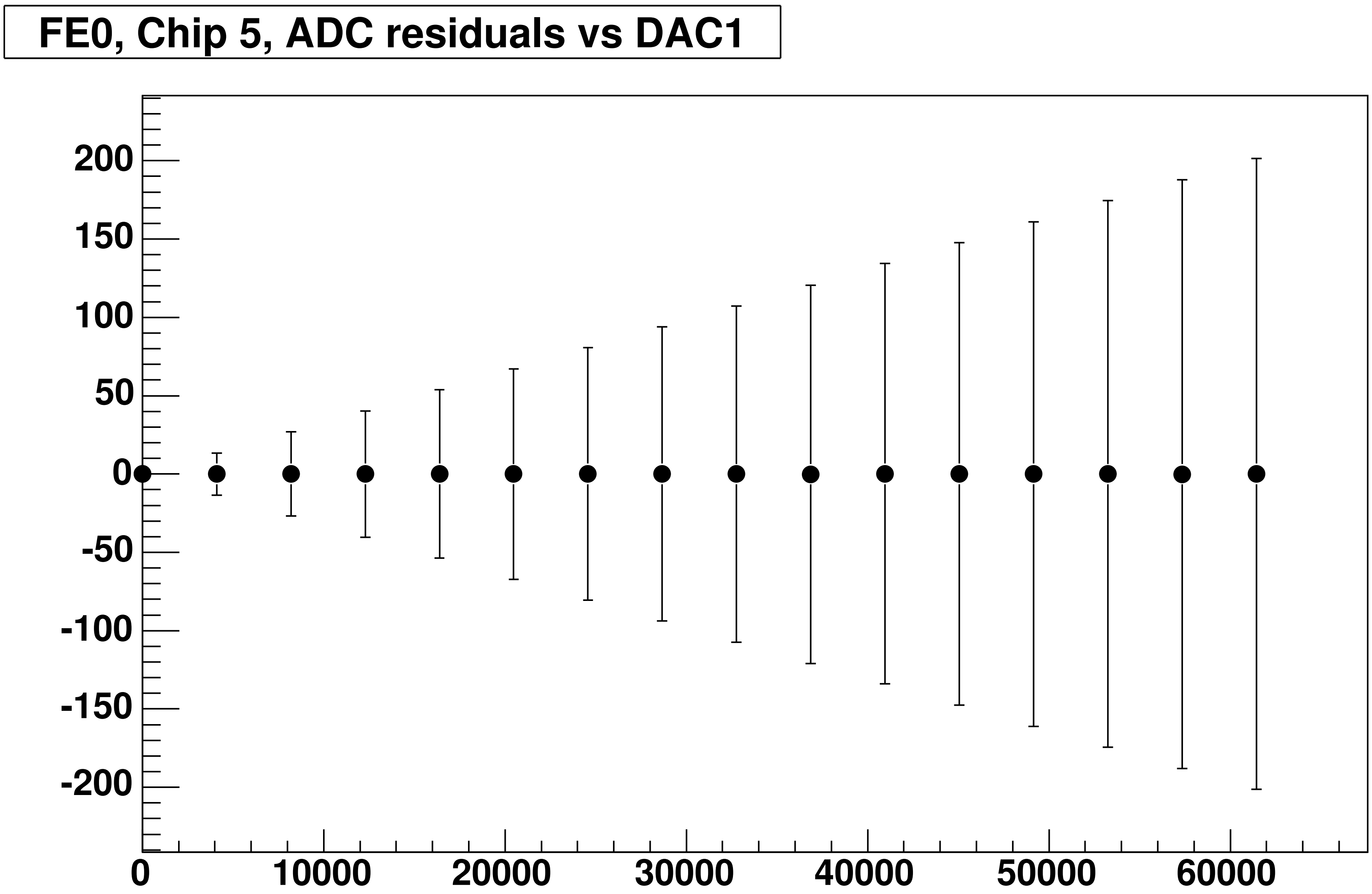

FE0, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

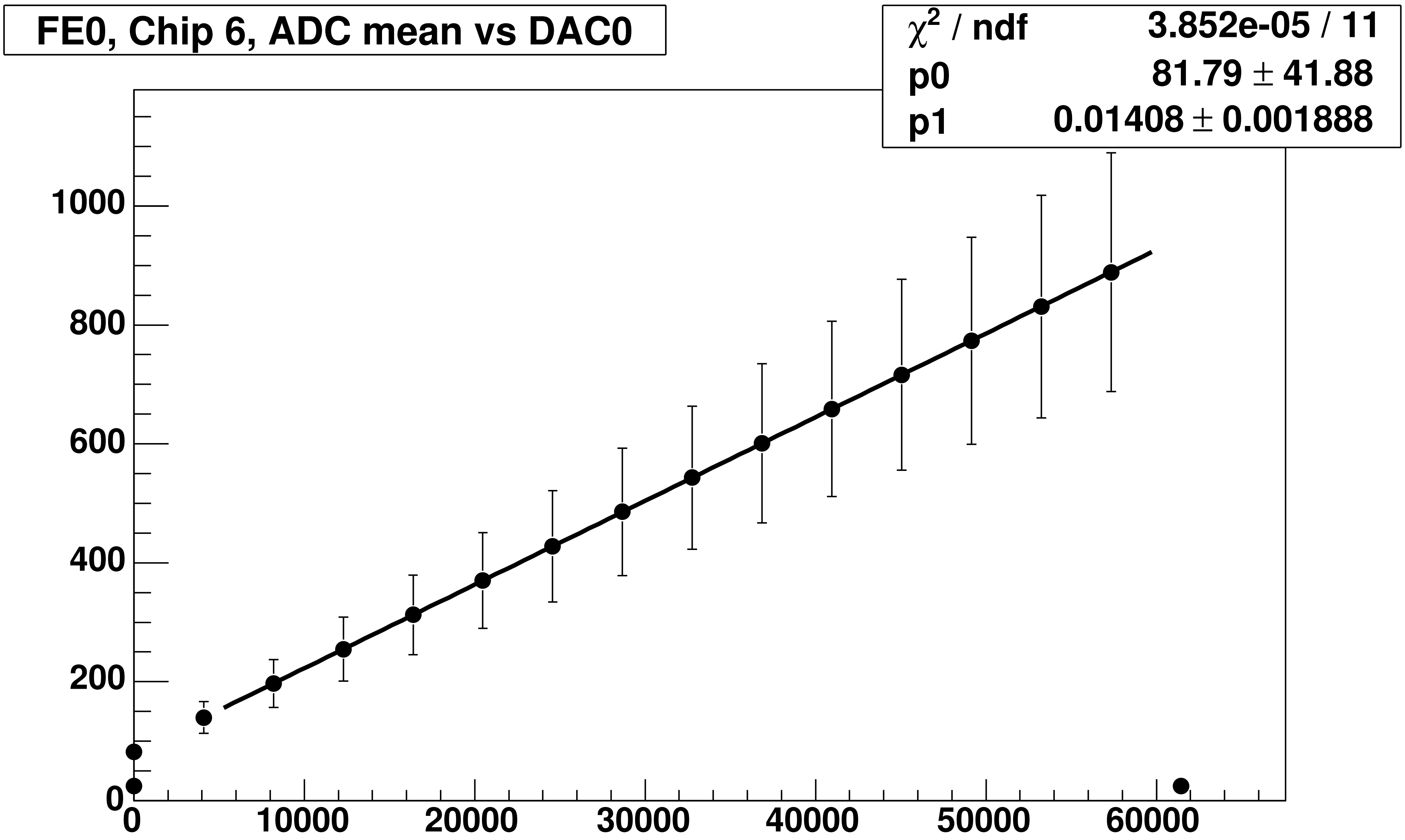

FE0, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

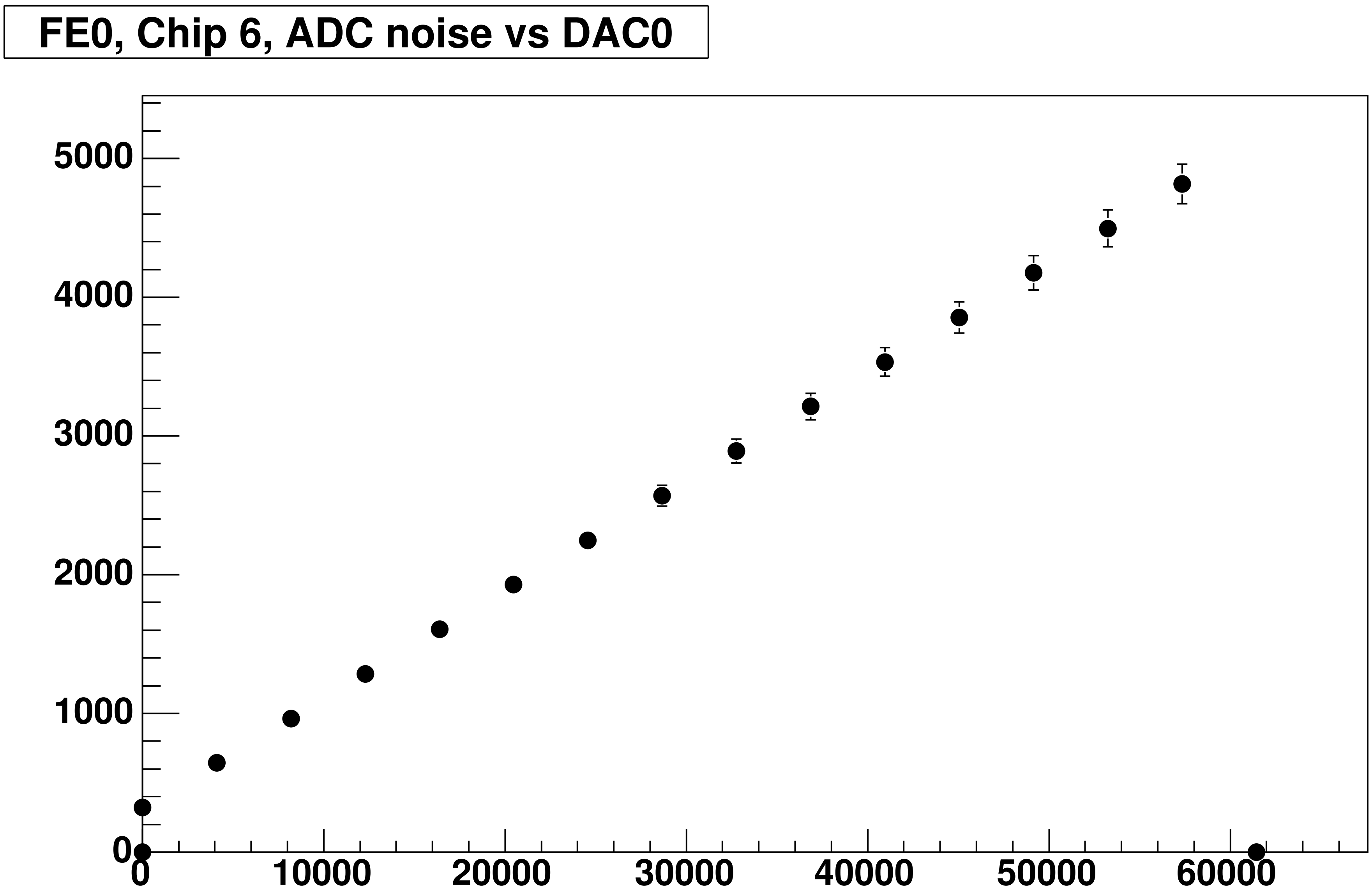


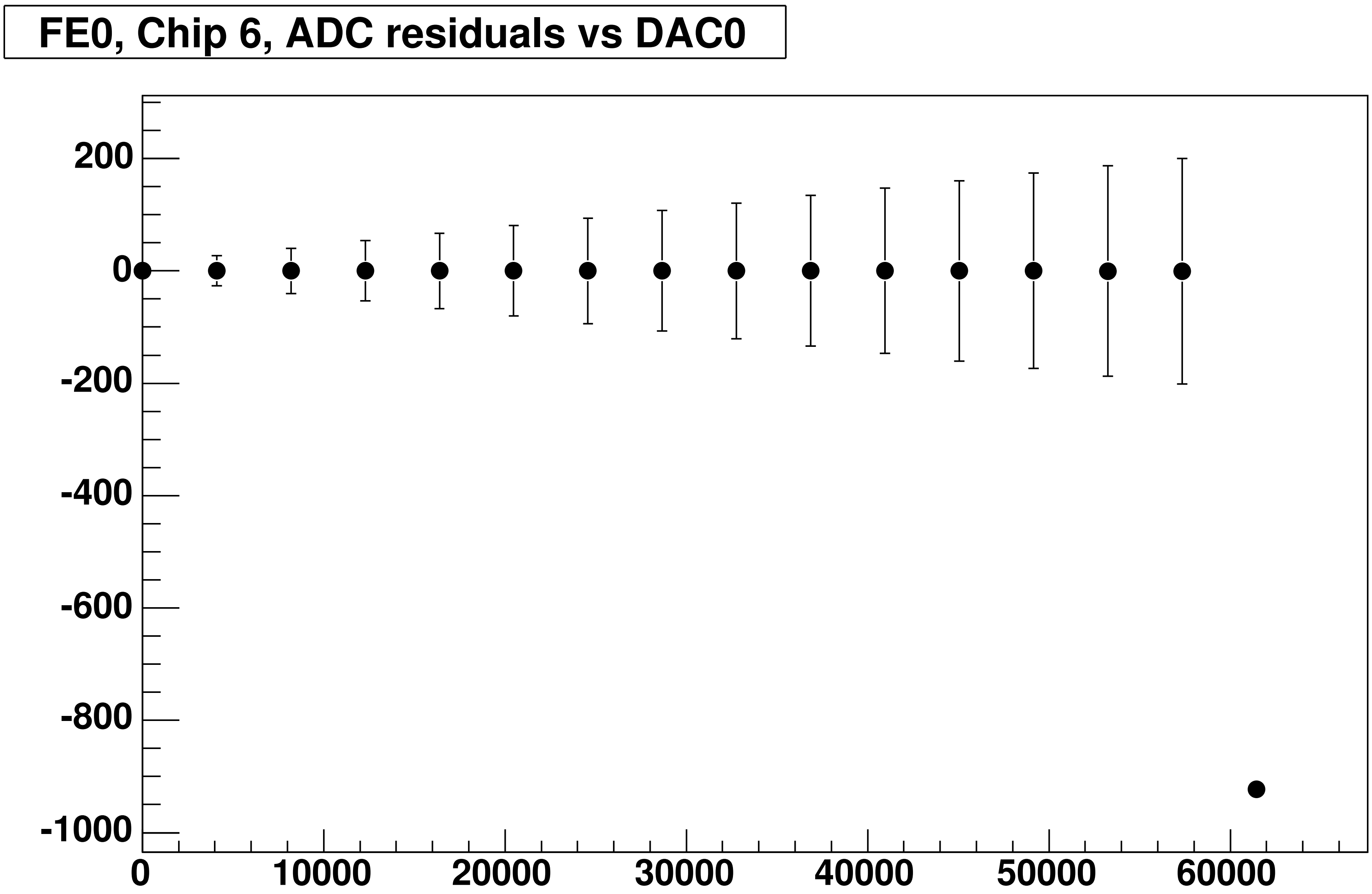
FE0, Chip 5, ADC mean vs DAC1
χ^2 / ndf 7.653e-06 / 11
p0 34.05 ± 31.12
p1 0.01412 ± 0.001599
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

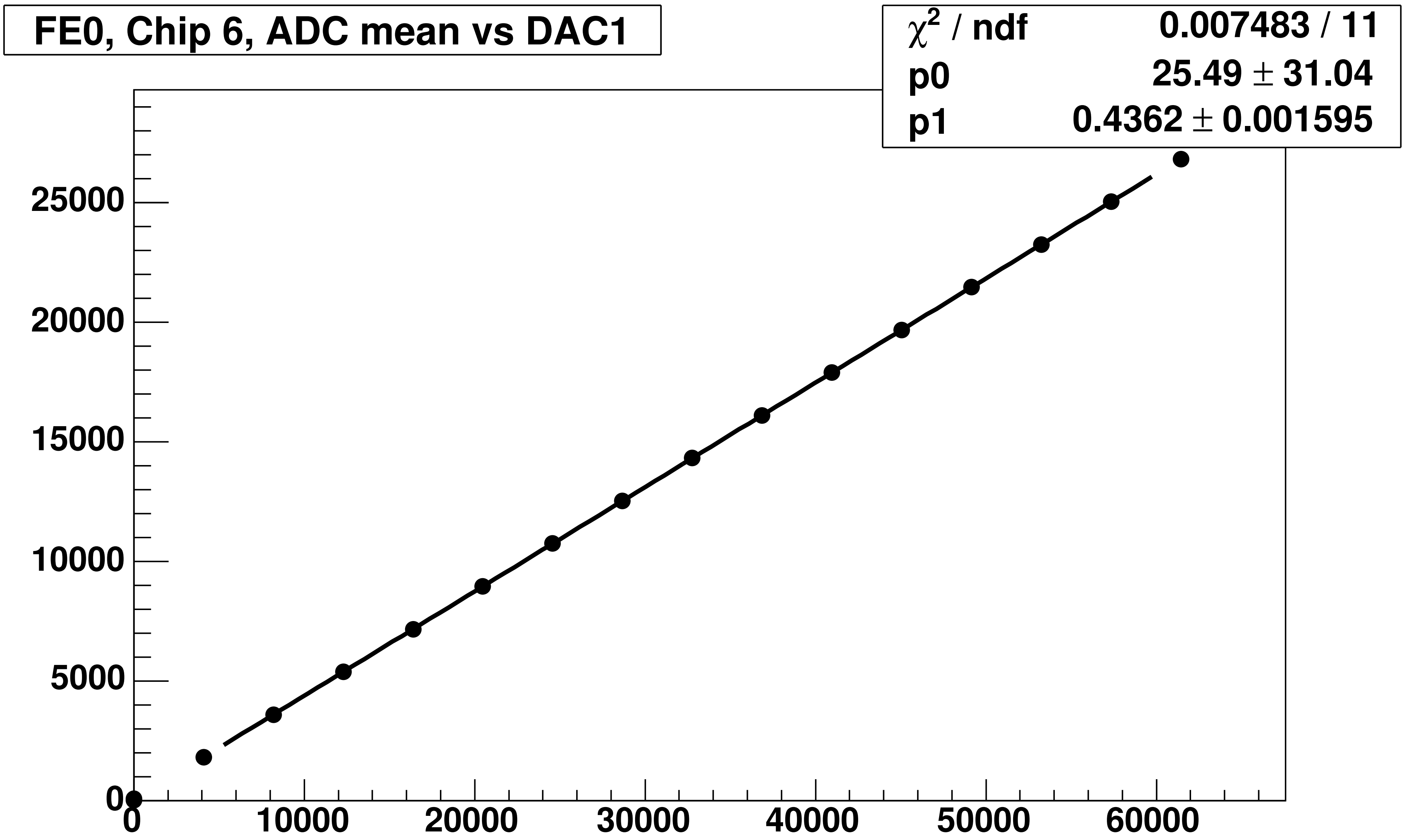

FE0, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

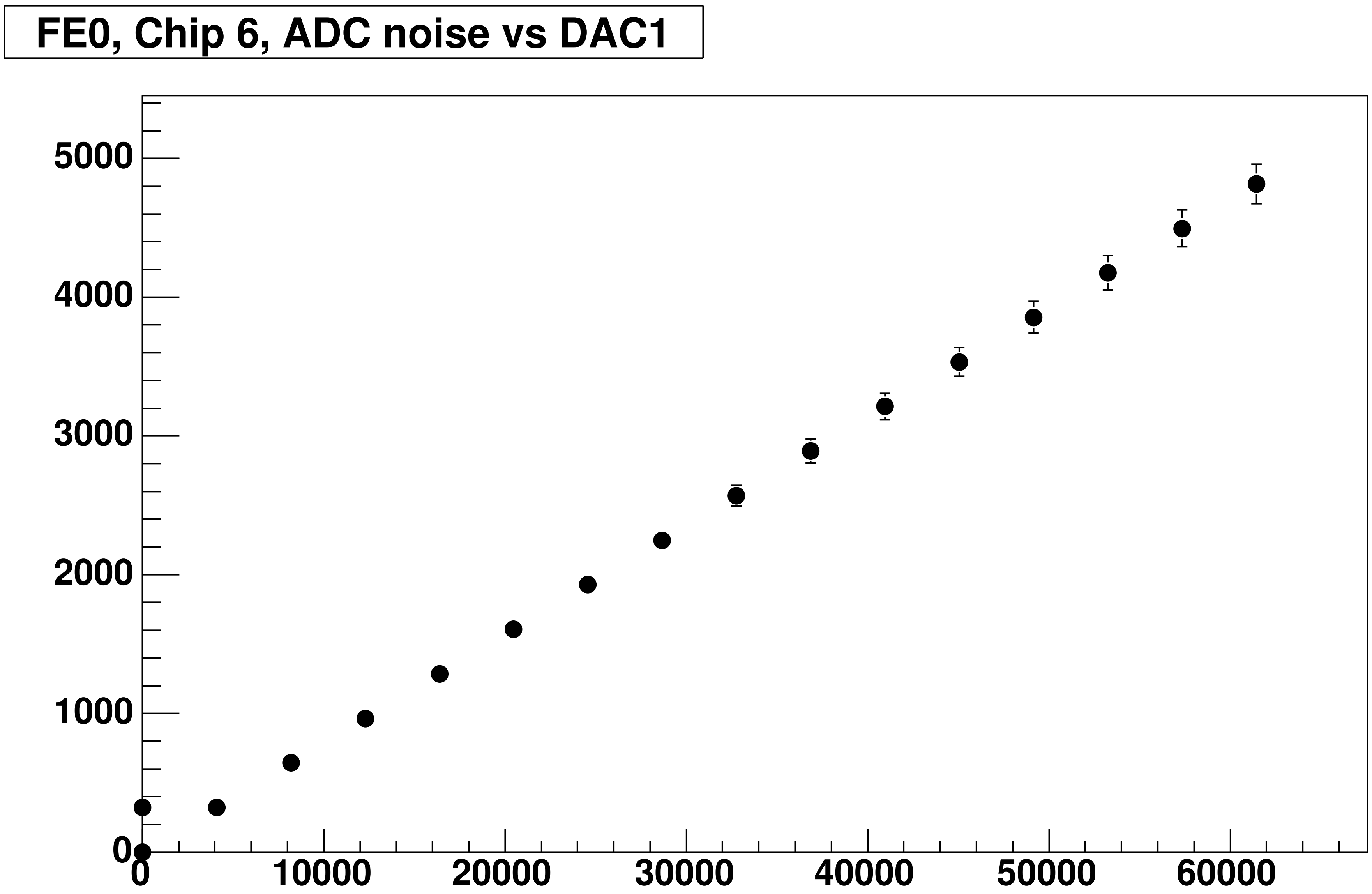

FE0, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

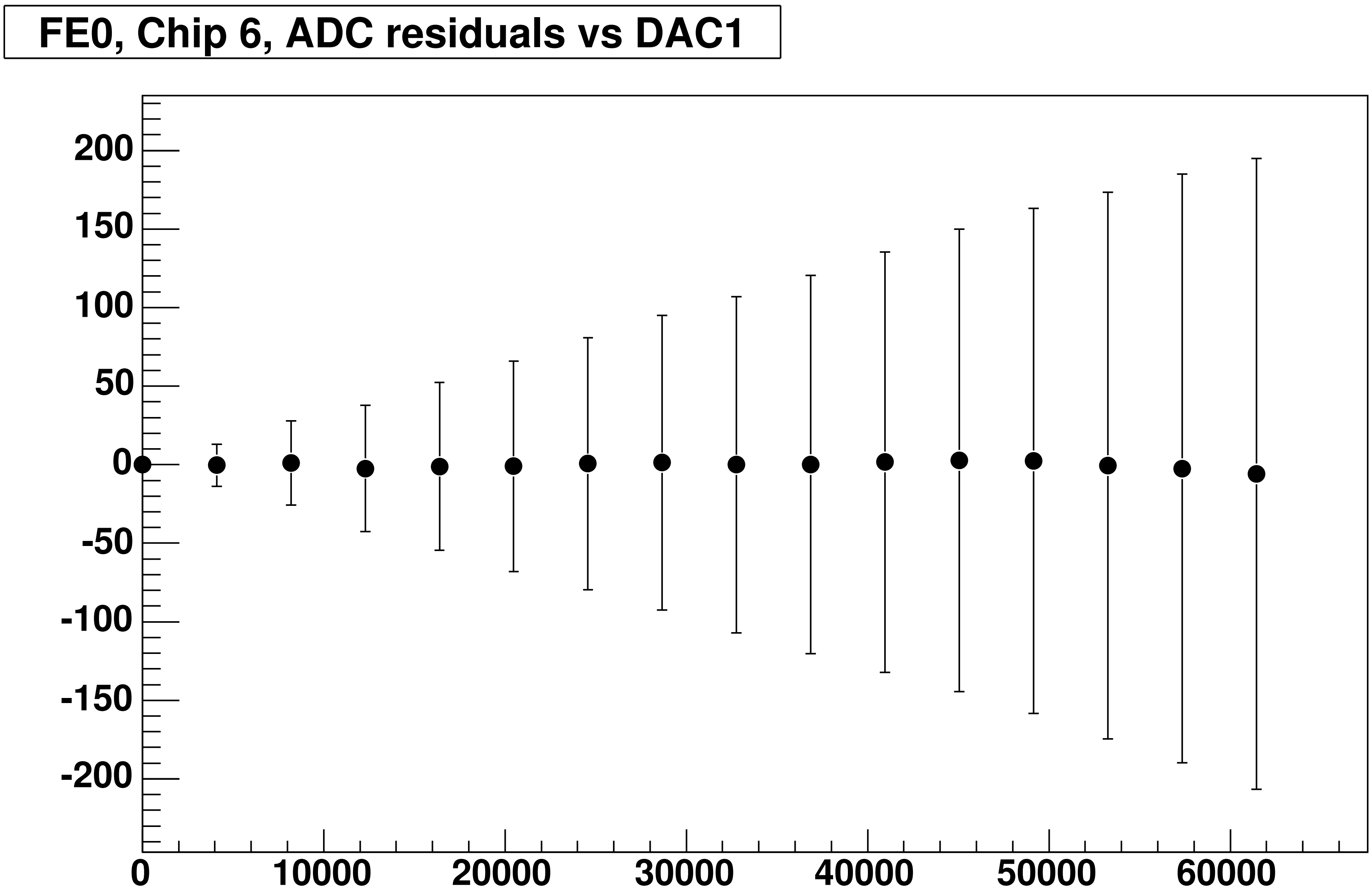

FE0, Chip 6, ADC mean vs DAC0
χ^2 / ndf 3.852e-05 / 11
p0 81.79 ± 41.88
p1 0.01408 ± 0.001888
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

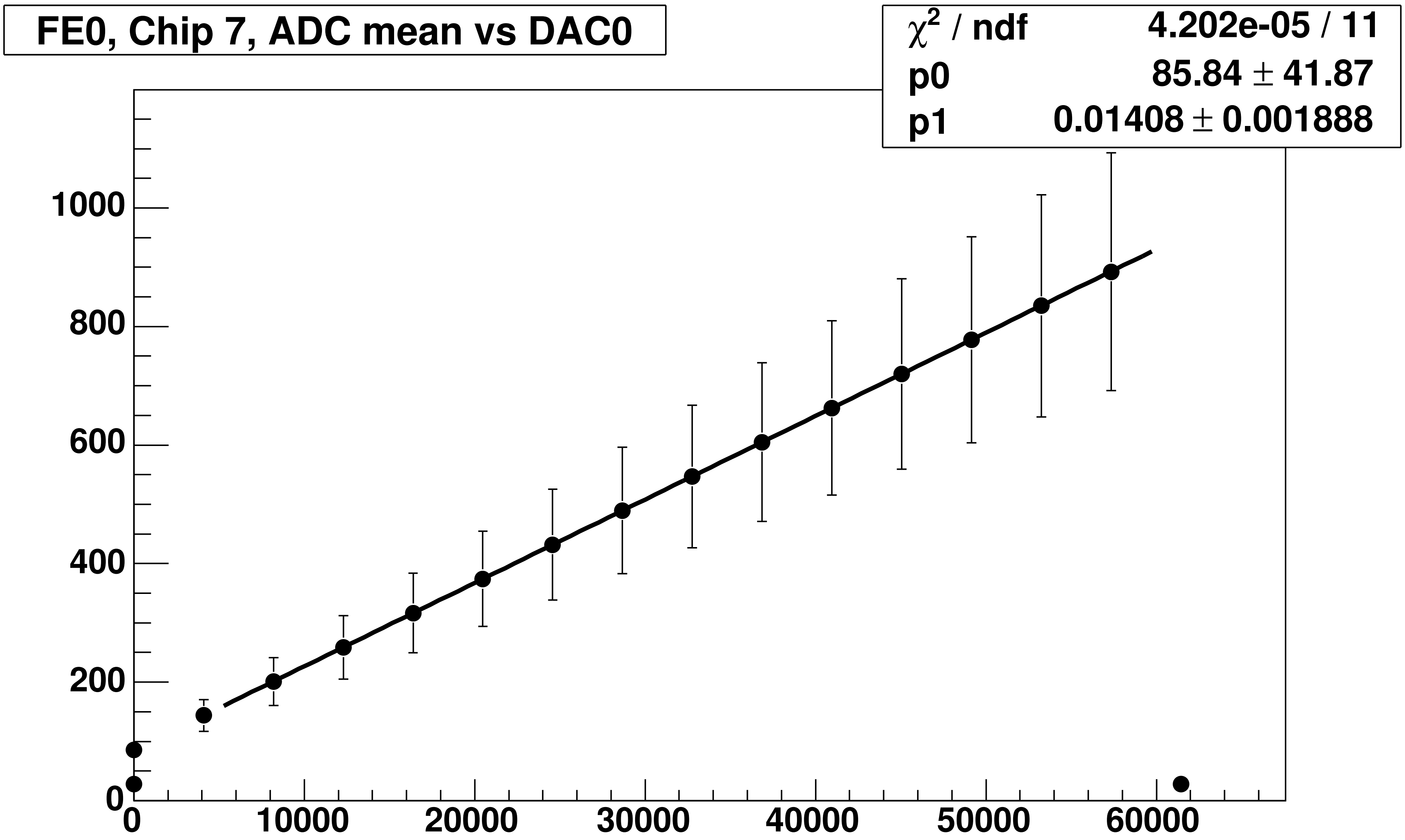

FE0, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

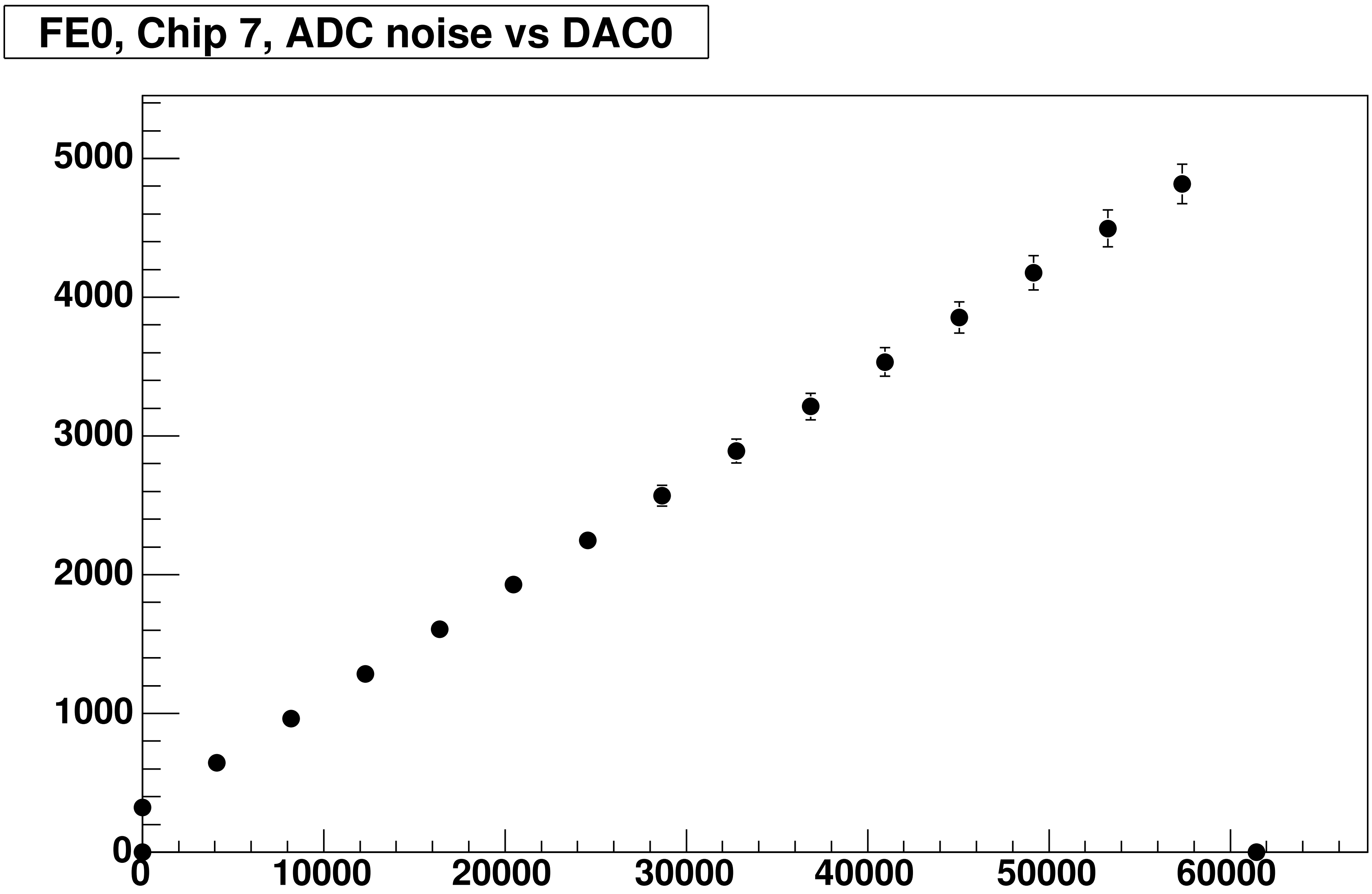

FE0, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.007483 / 11
p0 25.49 ± 31.04
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

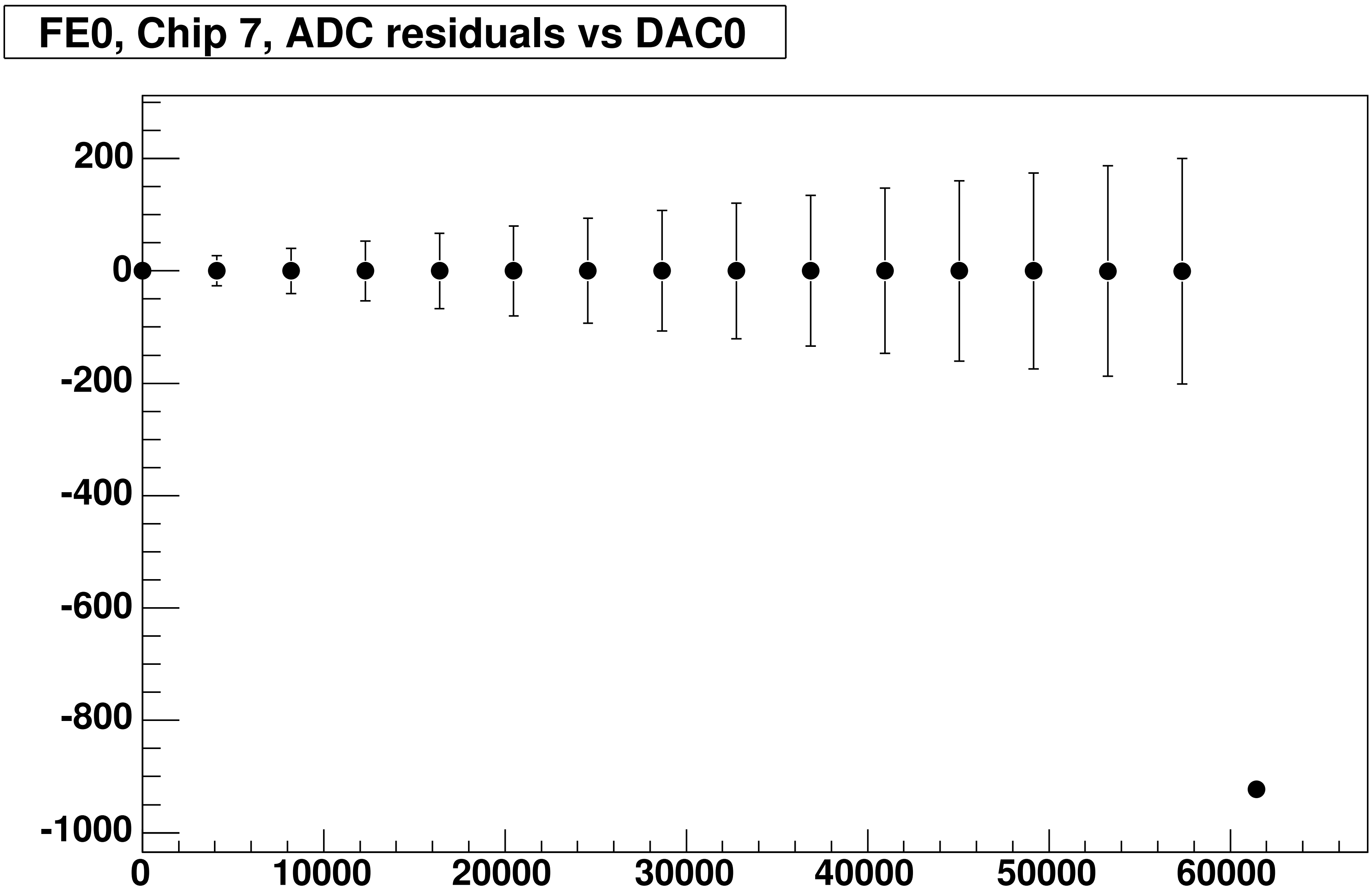

FE0, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

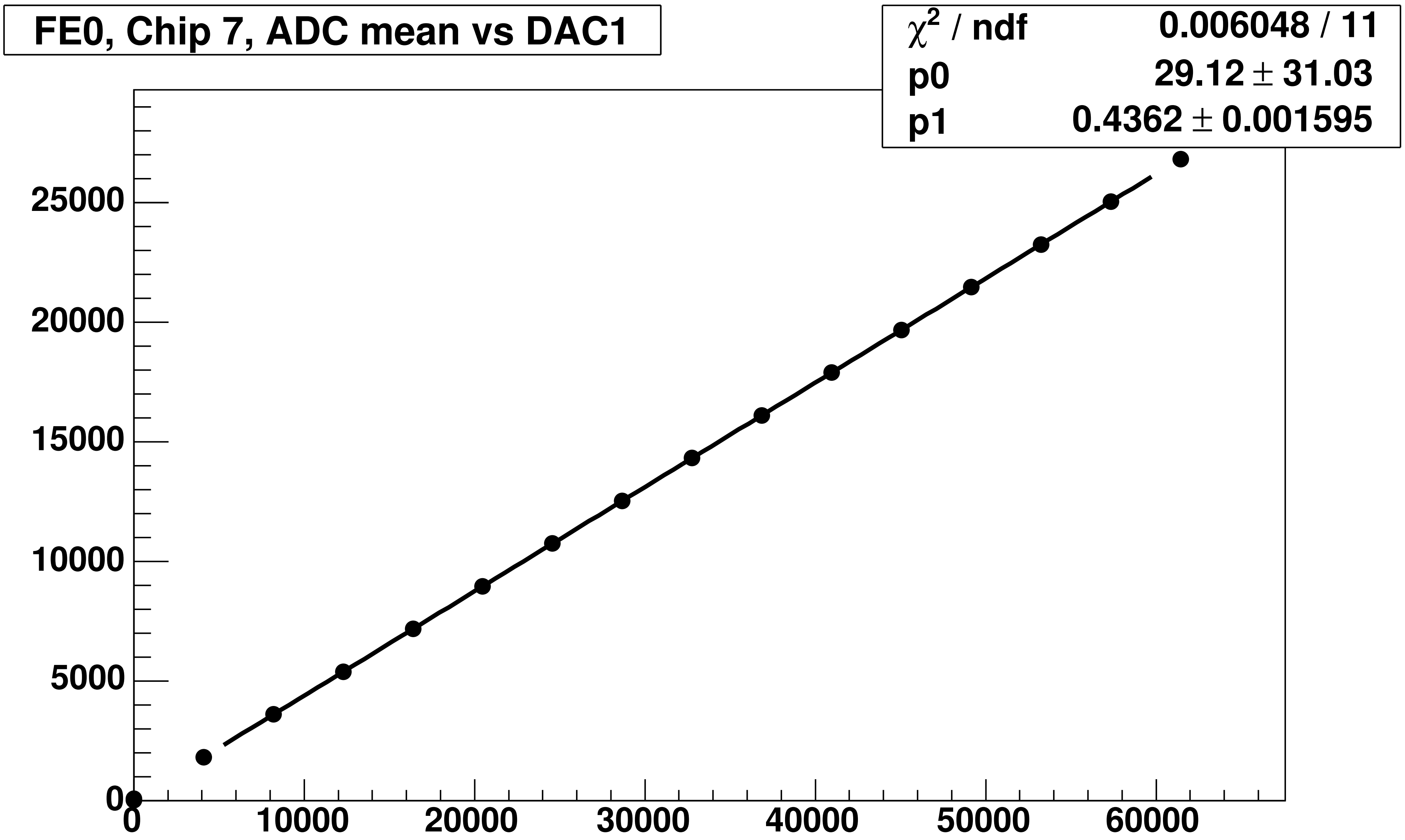


FE0, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

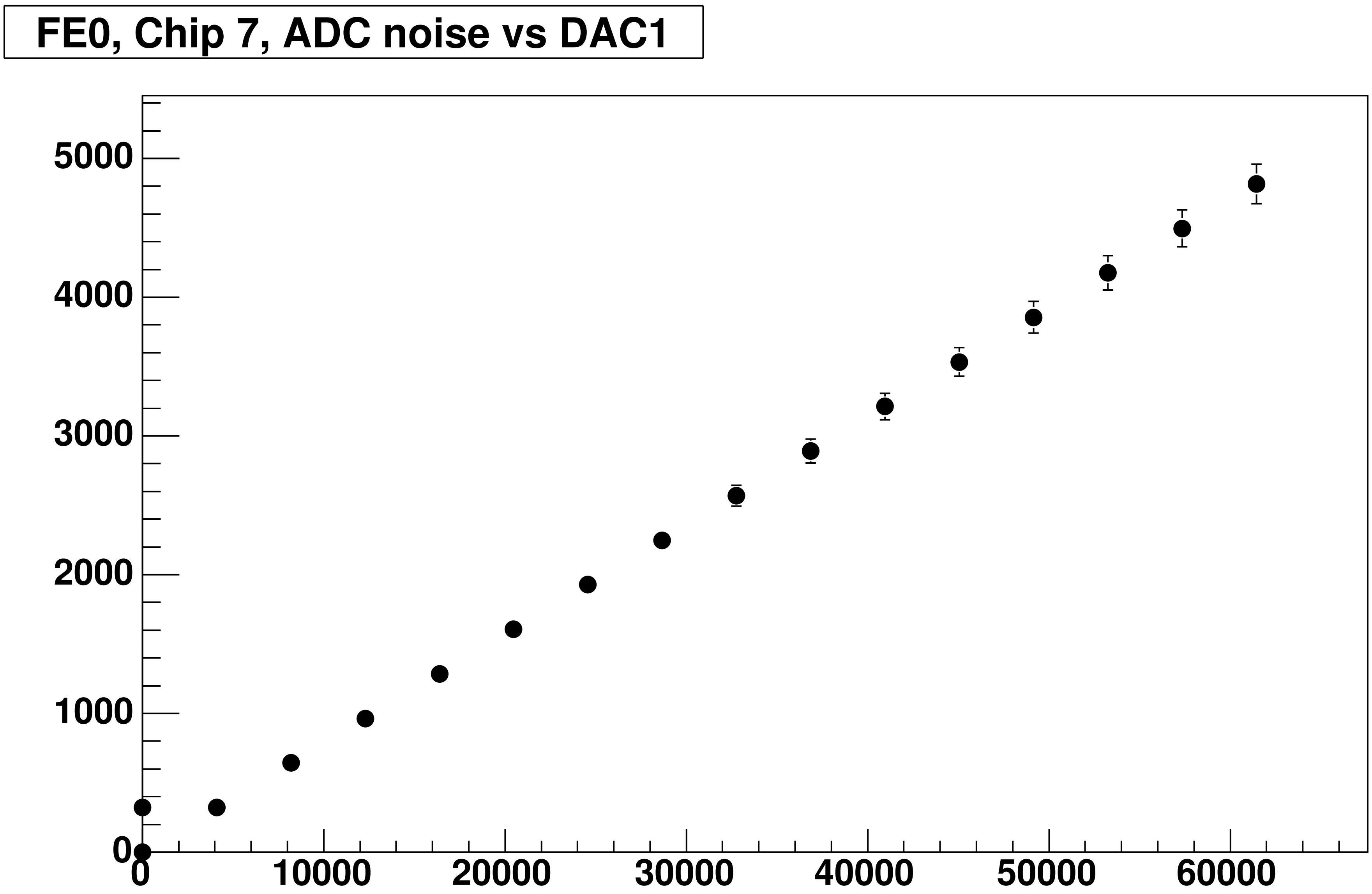

FE0, Chip 7, ADC mean vs DAC0
χ^2 / ndf 4.202e-05 / 11
p0 85.84 ± 41.87
p1 0.01408 ± 0.001888
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

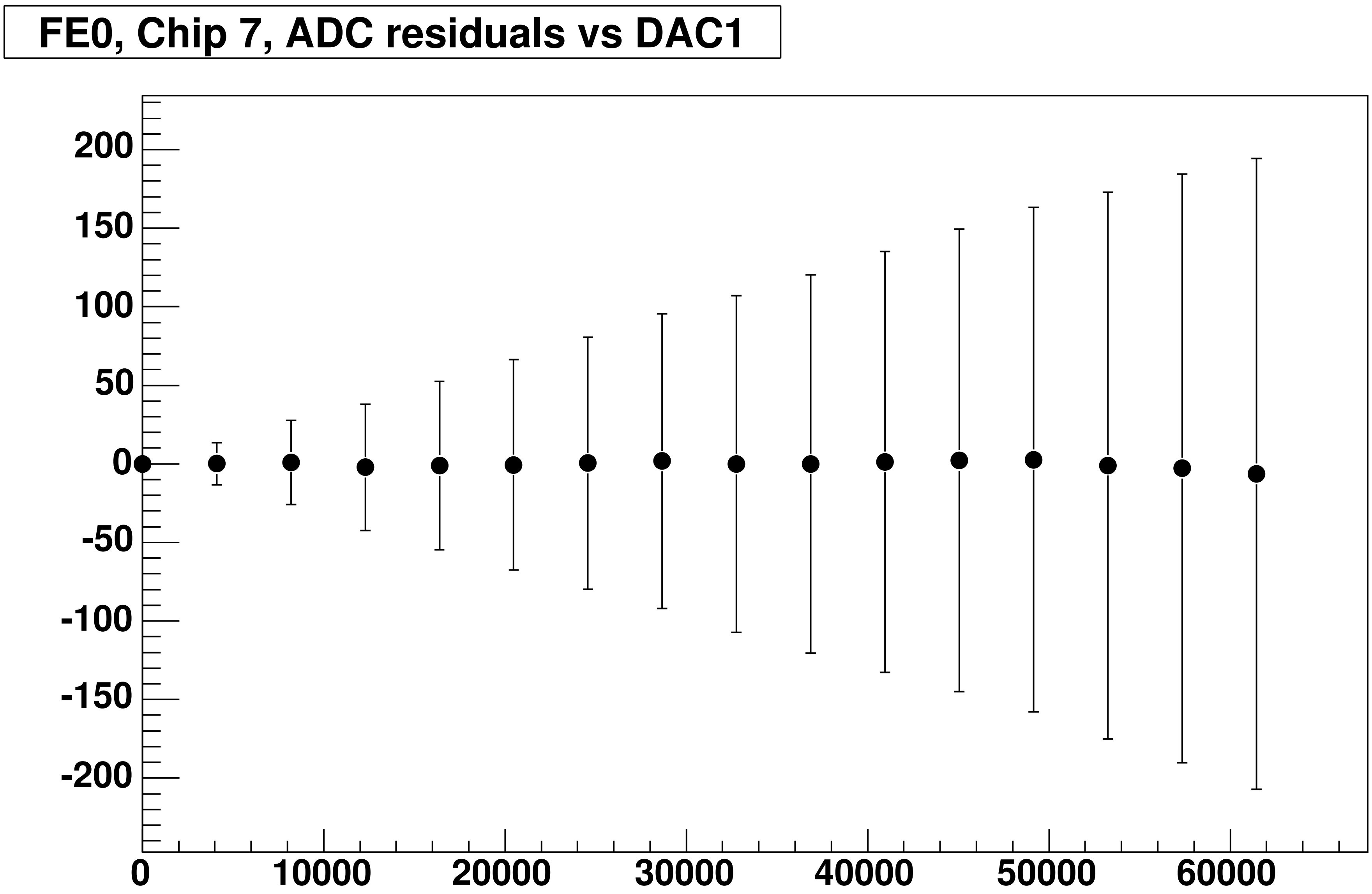

FE0, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

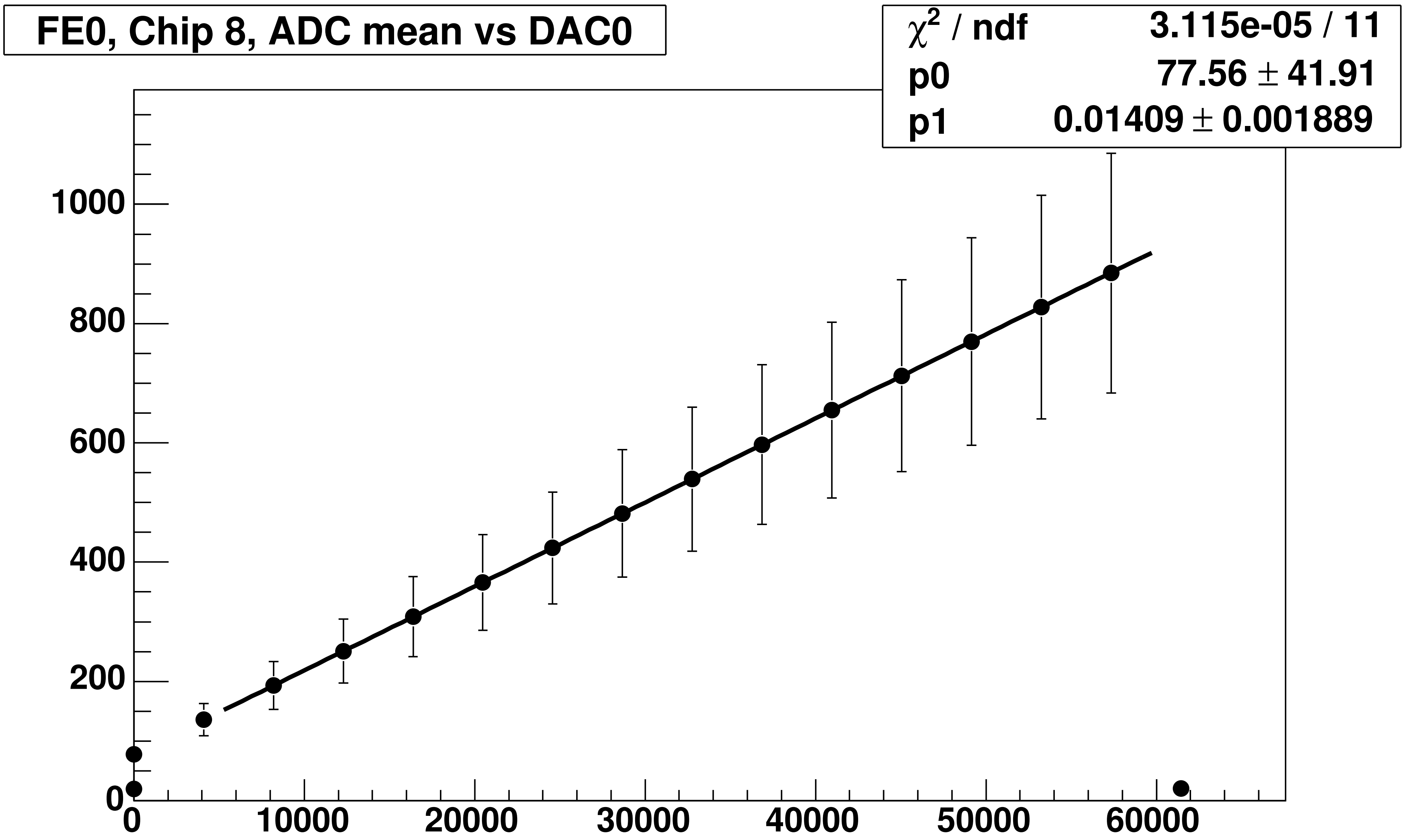

FE0, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

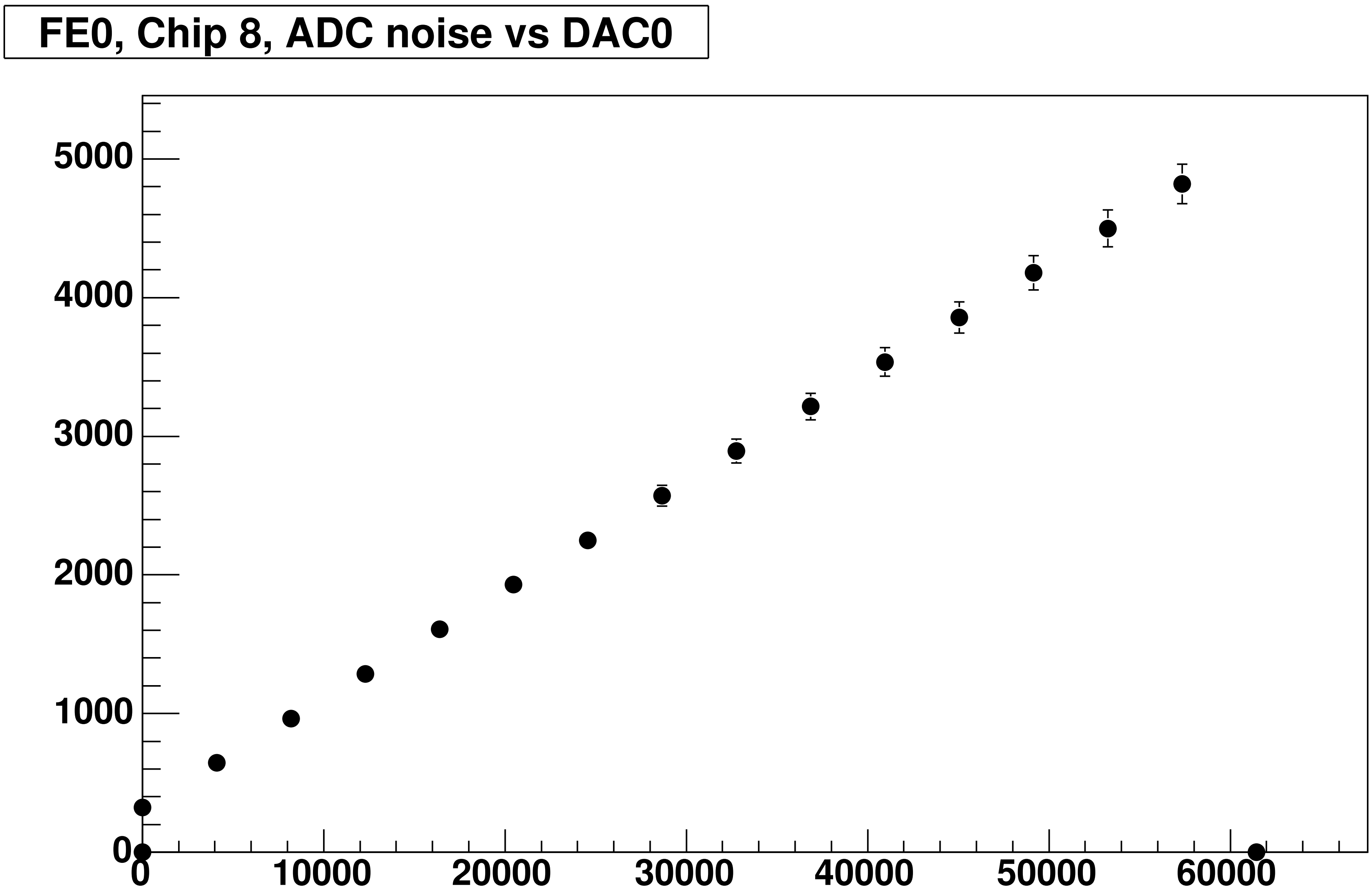


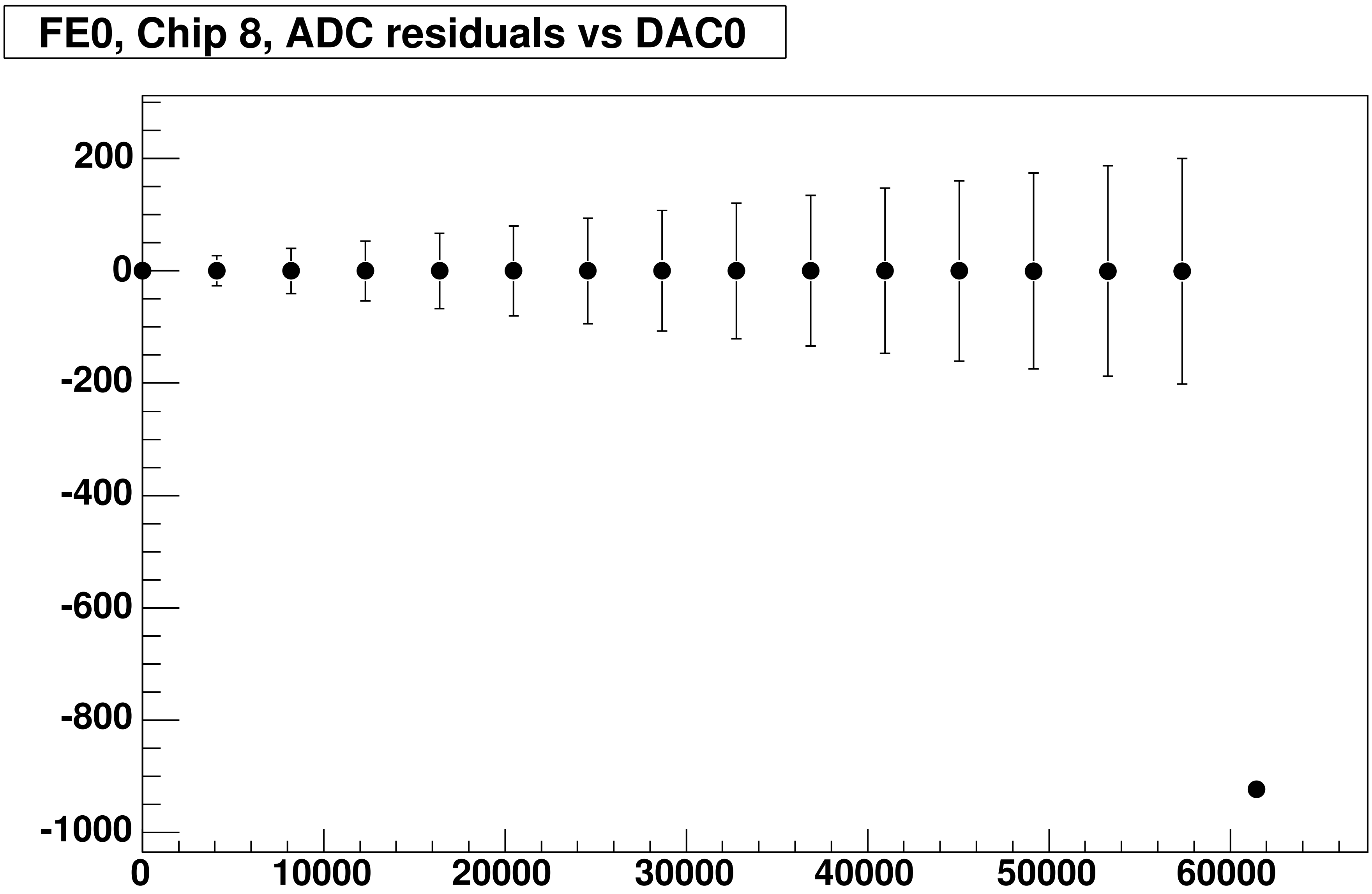
FE0, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.006048 / 11
p0 29.12 ± 31.03
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

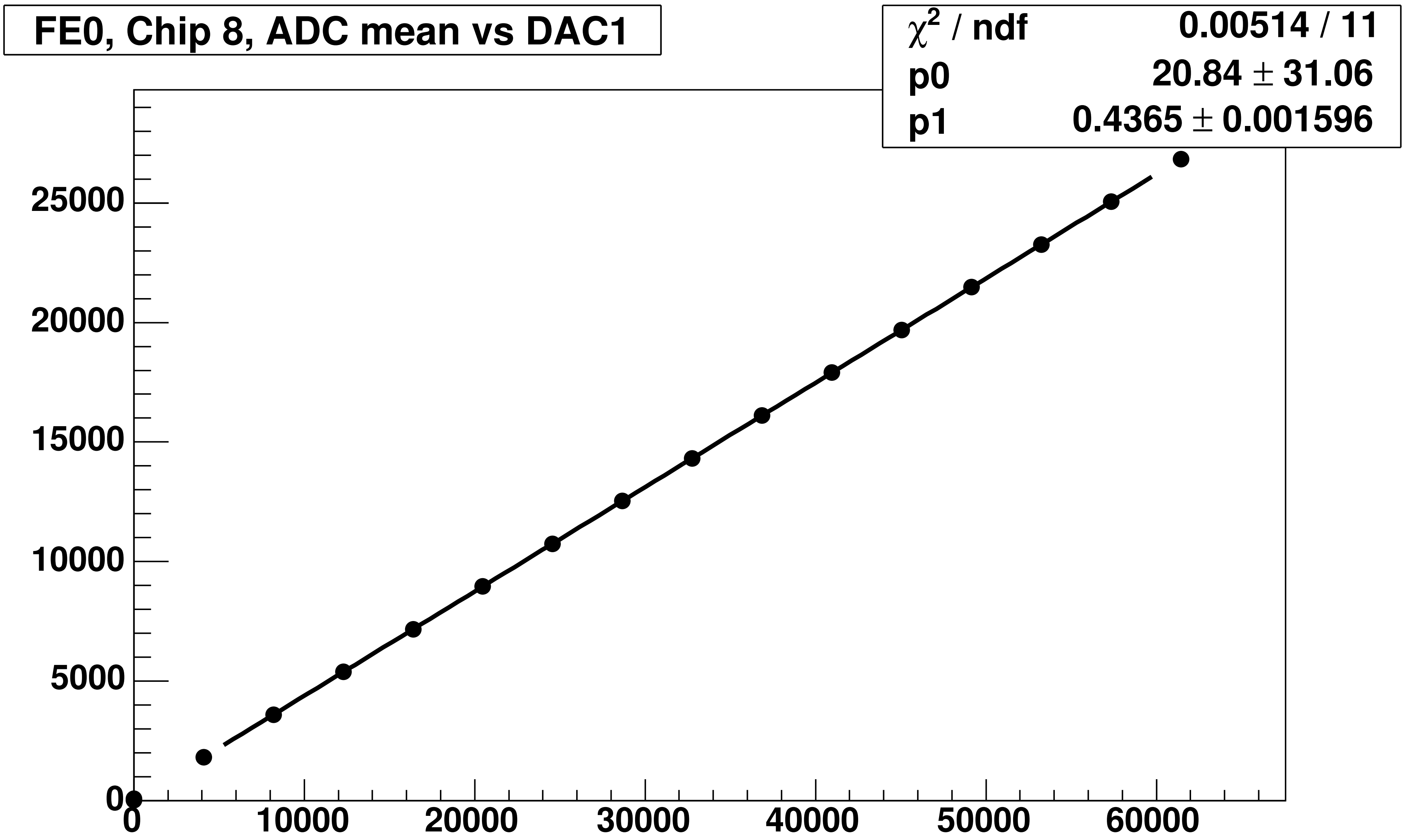

FE0, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

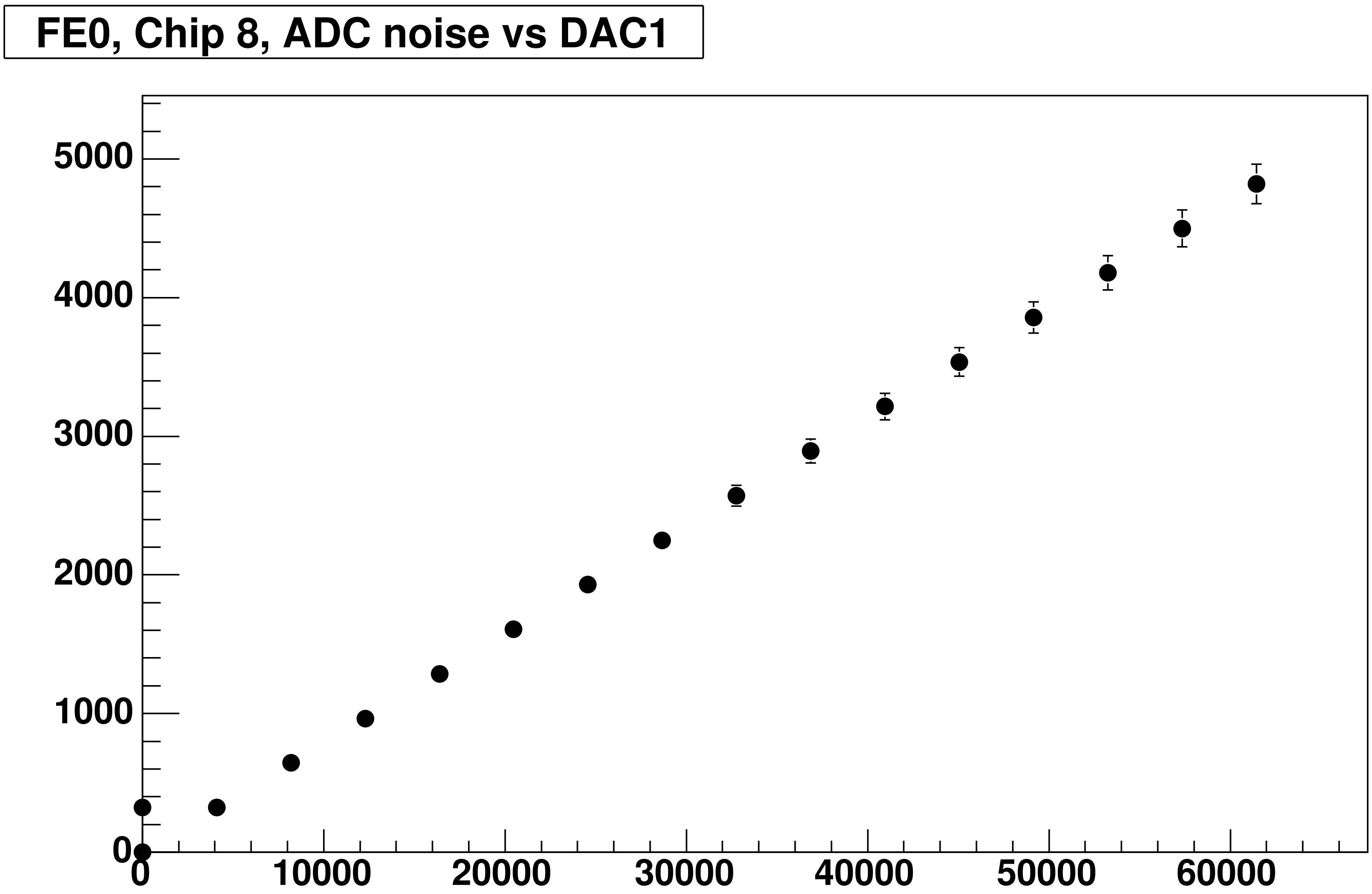

FE0, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

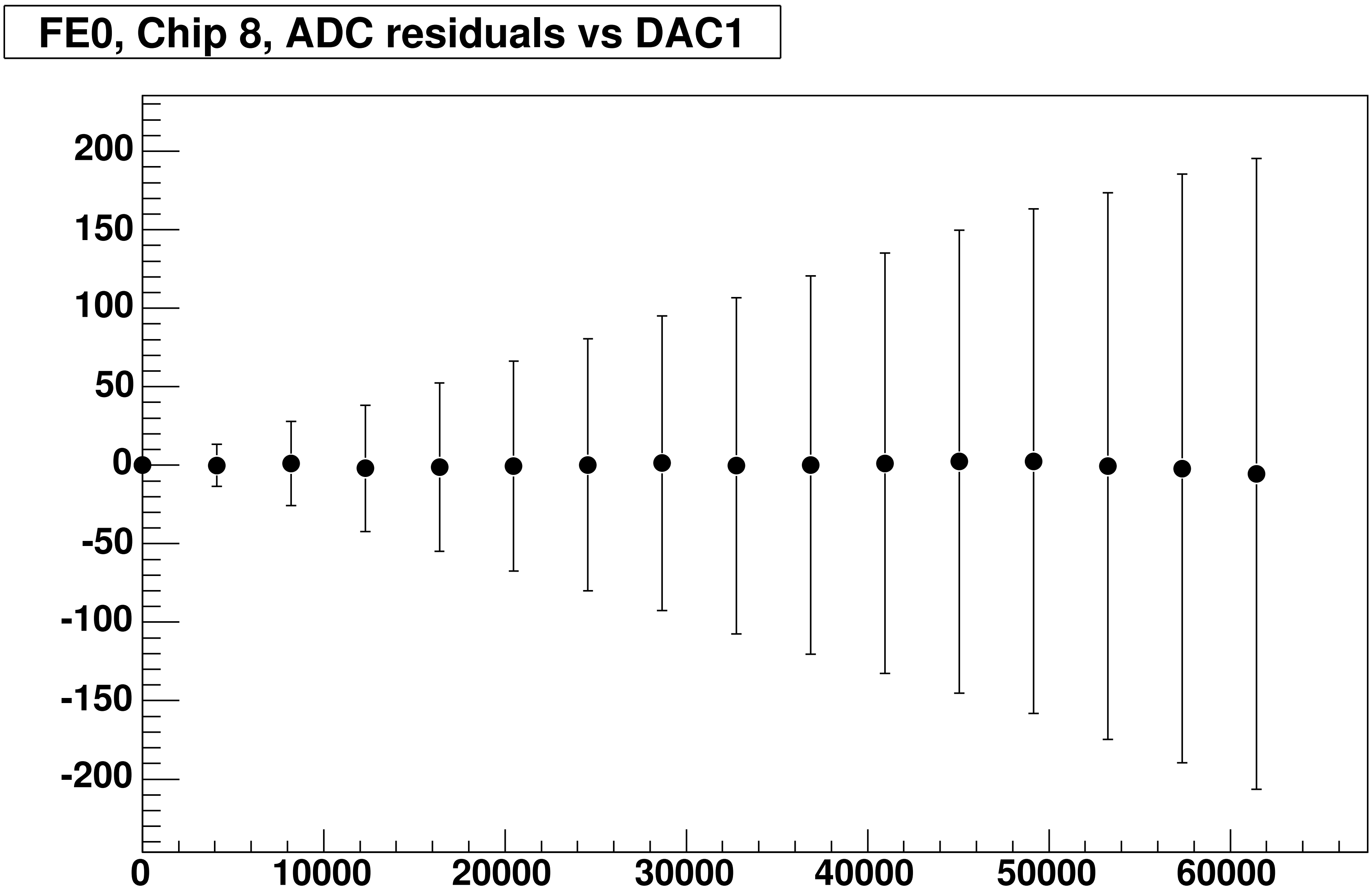

FE0, Chip 8, ADC mean vs DAC0
χ^2 / ndf 3.115e-05 / 11
p0 77.56 ± 41.91
p1 0.01409 ± 0.001889
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

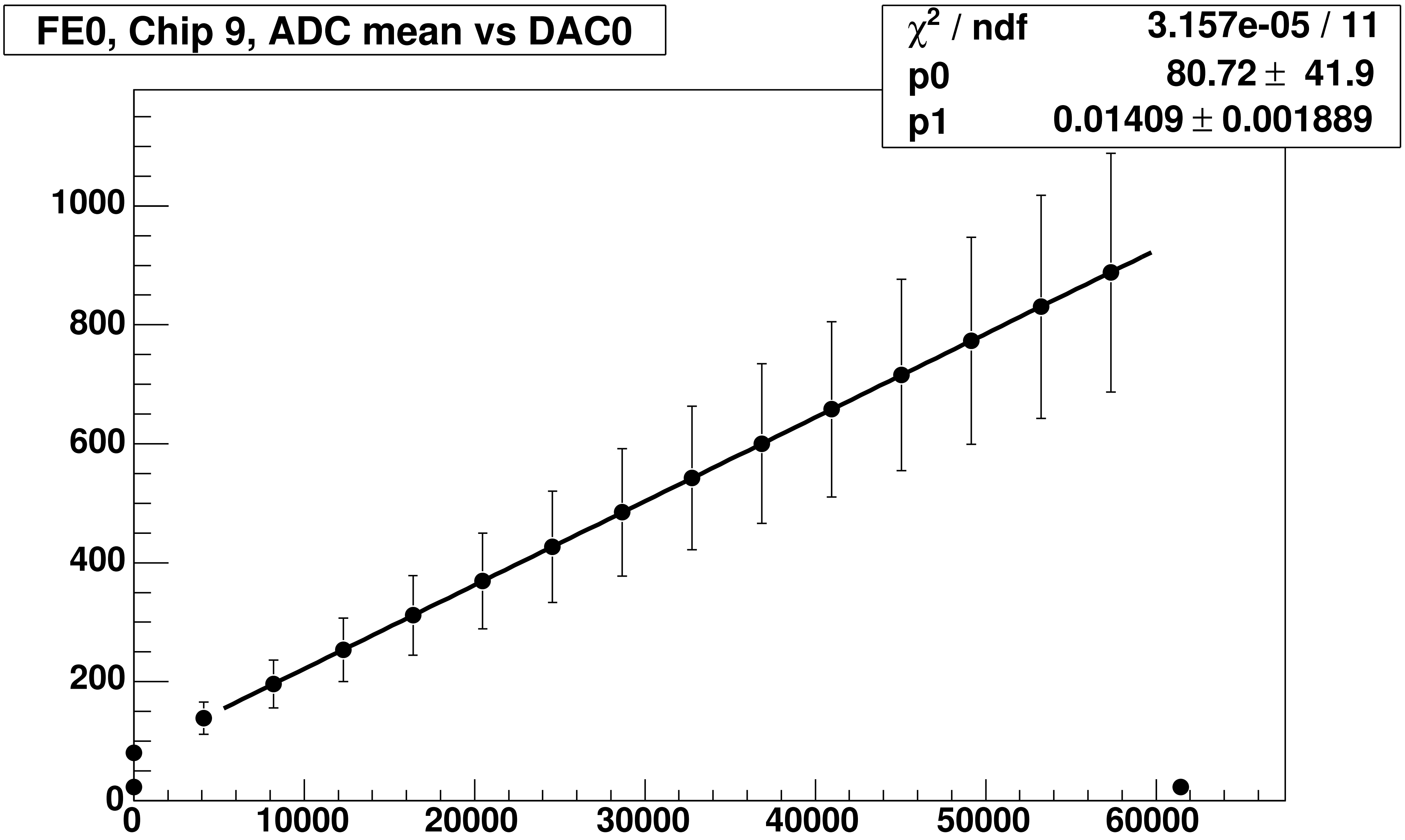

FE0, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

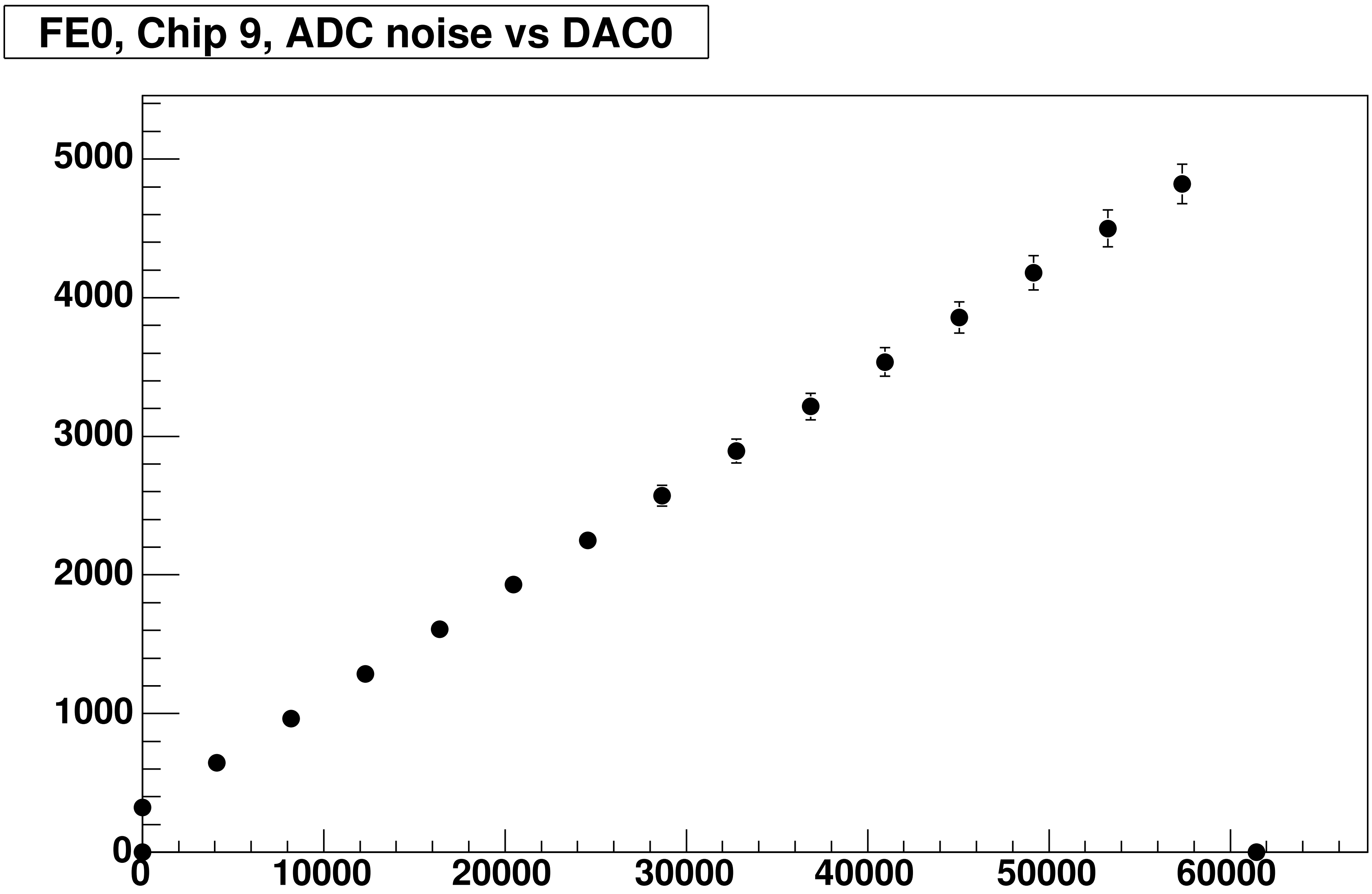

FE0, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.00514 / 11
p0 20.84 ± 31.06
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

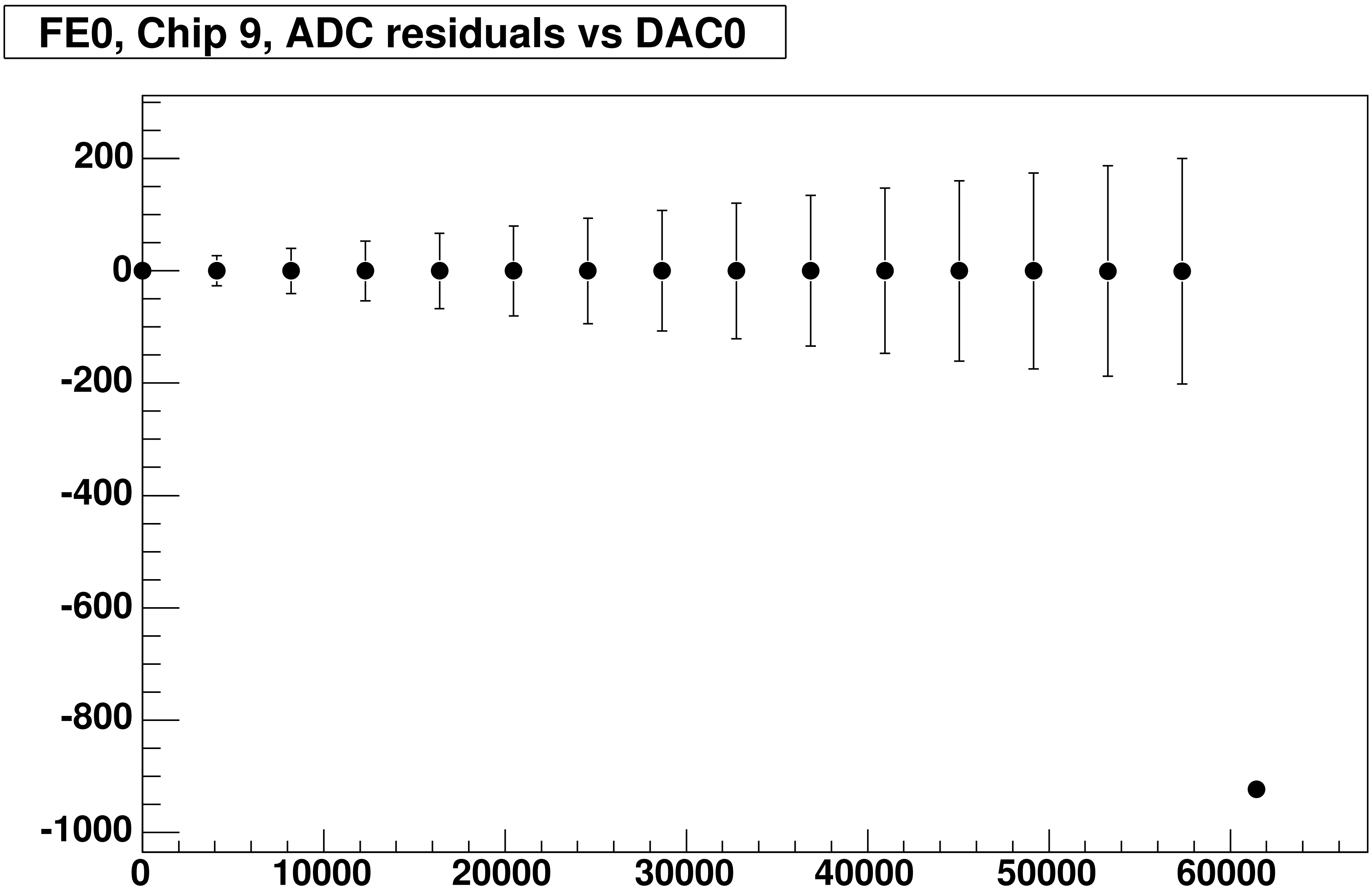

FE0, Chip 8, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

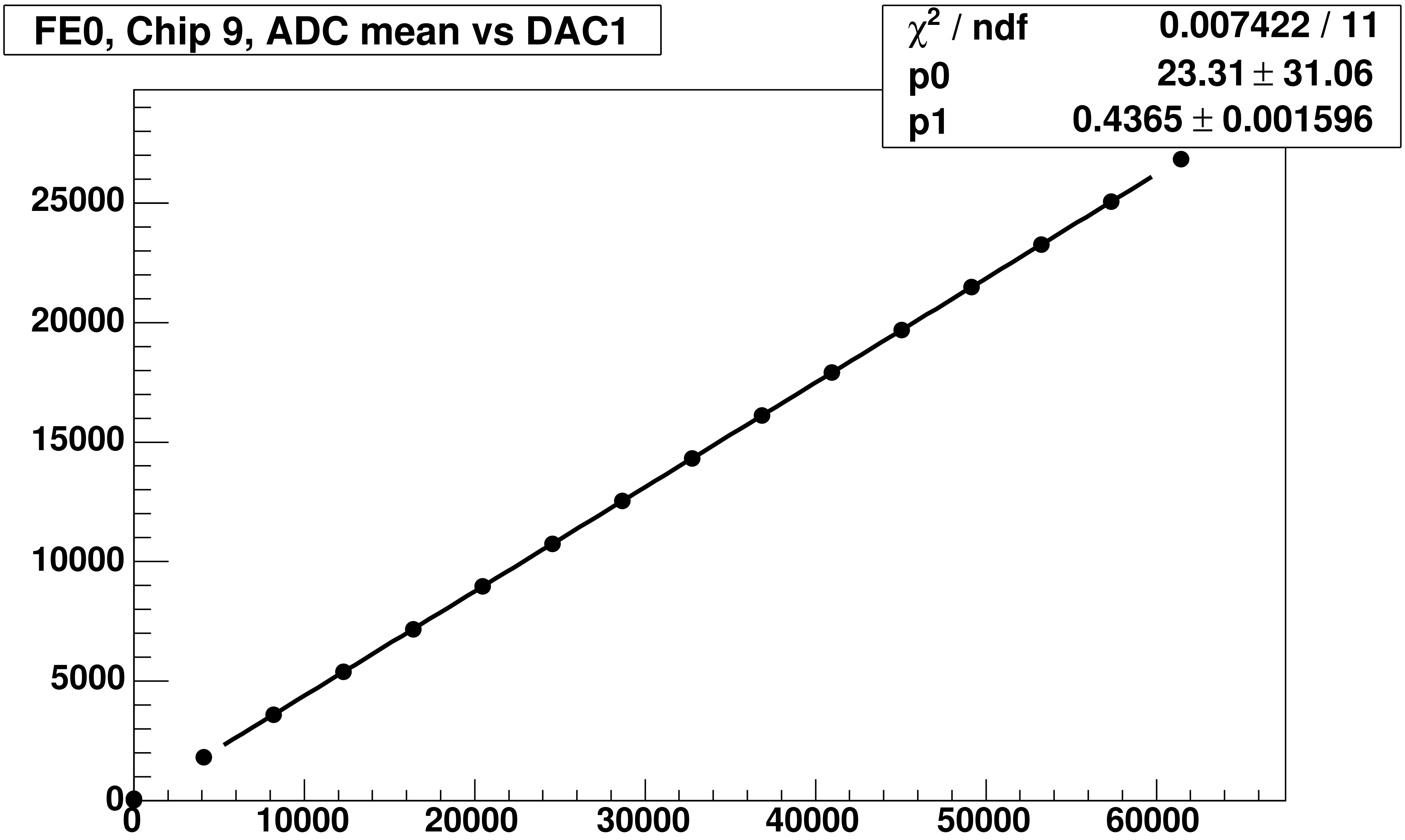

FE0, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



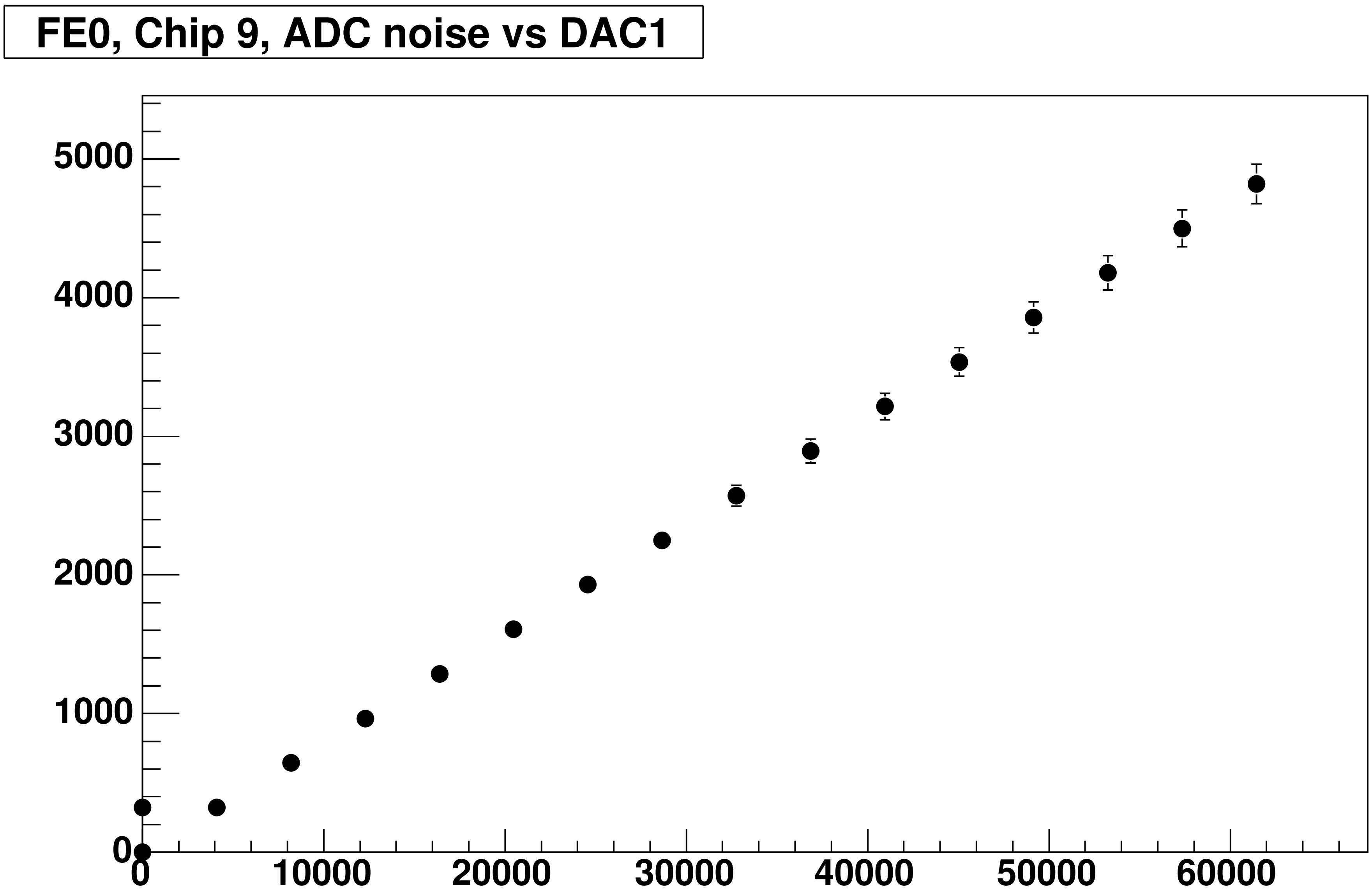
FE0, Chip 9, ADC mean vs DAC0
χ^2 / ndf 3.157e-05 / 11
p0 80.72 ± 41.9
p1 0.01409 ± 0.001889
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

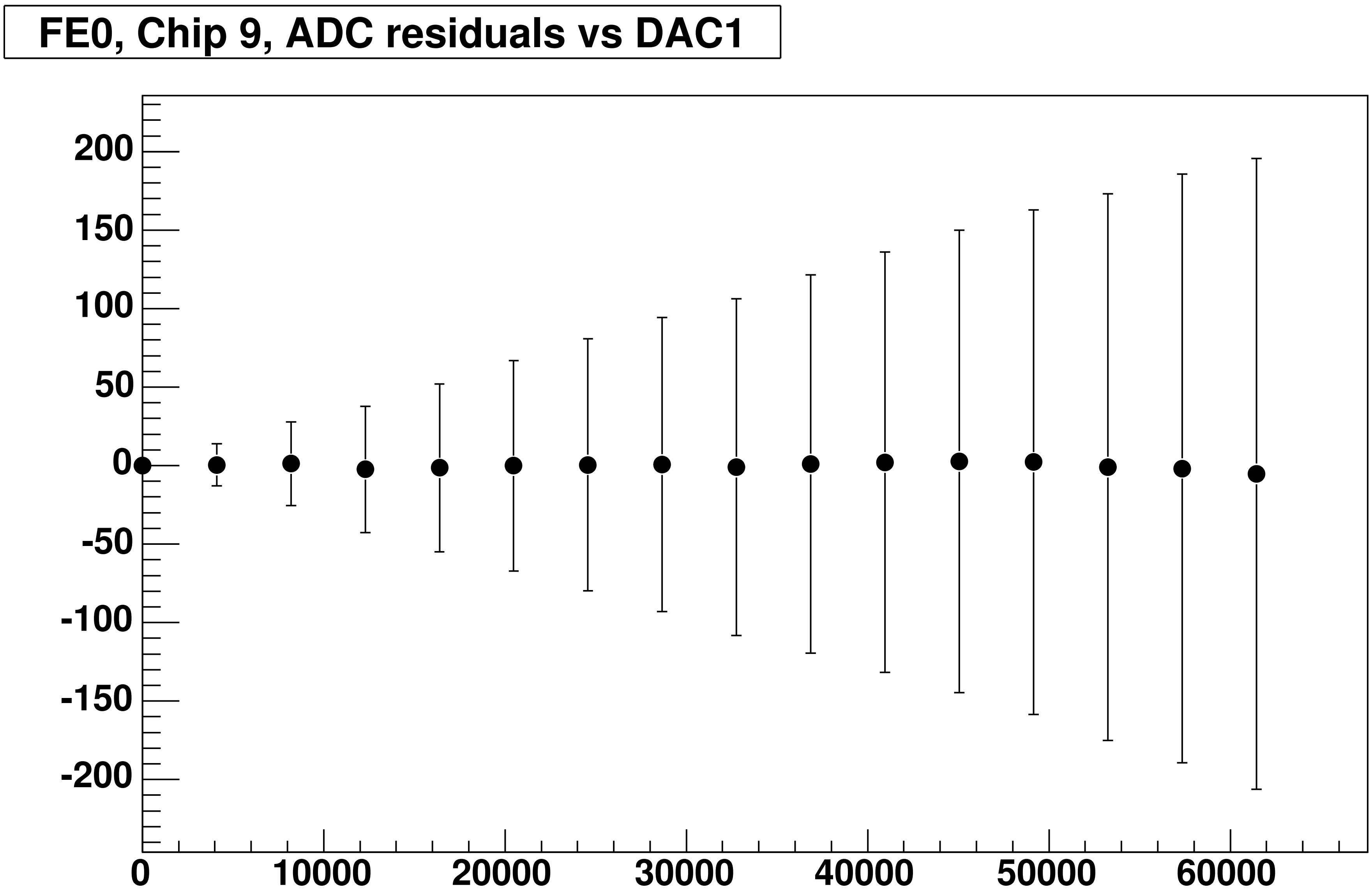

FE0, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

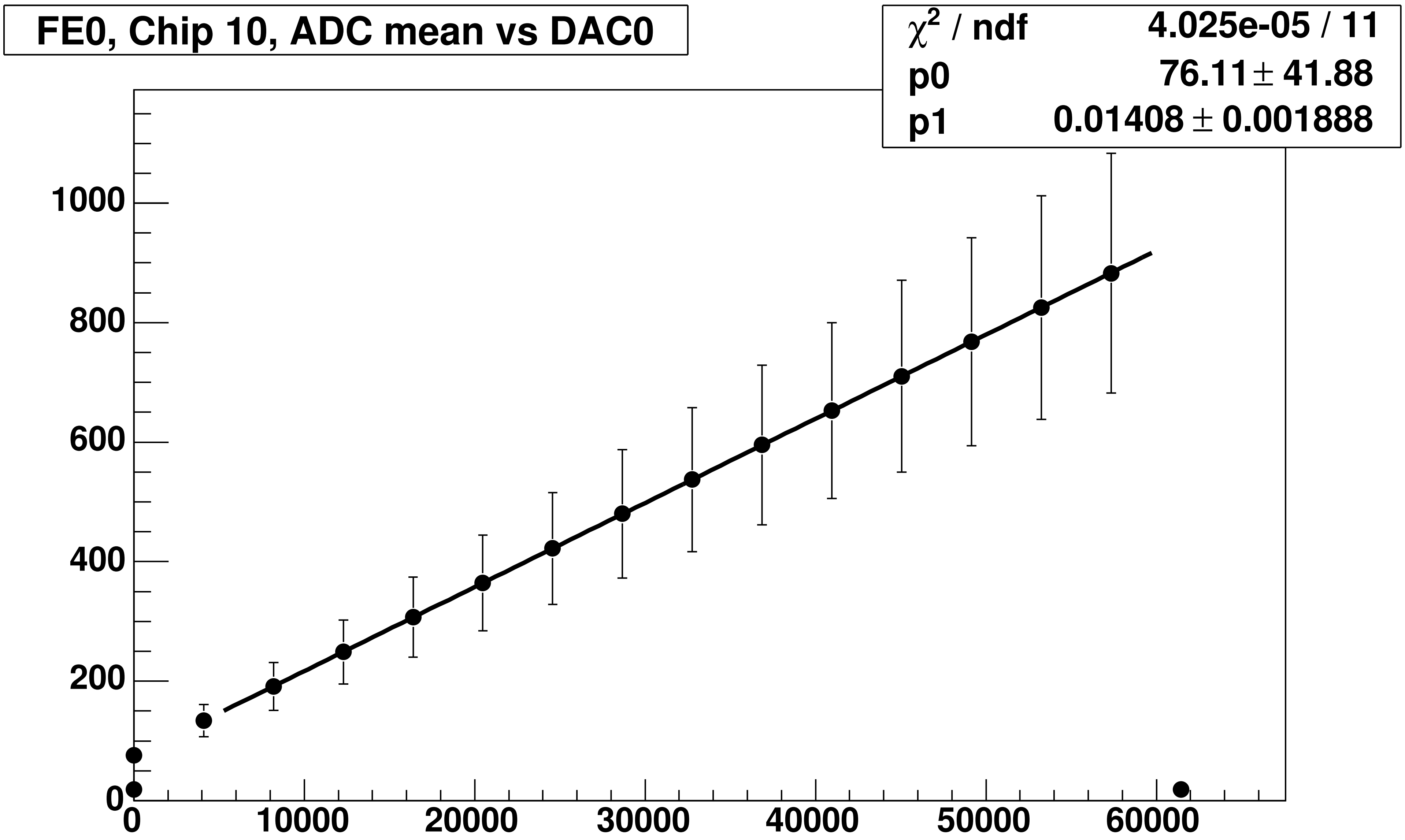

FE0, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

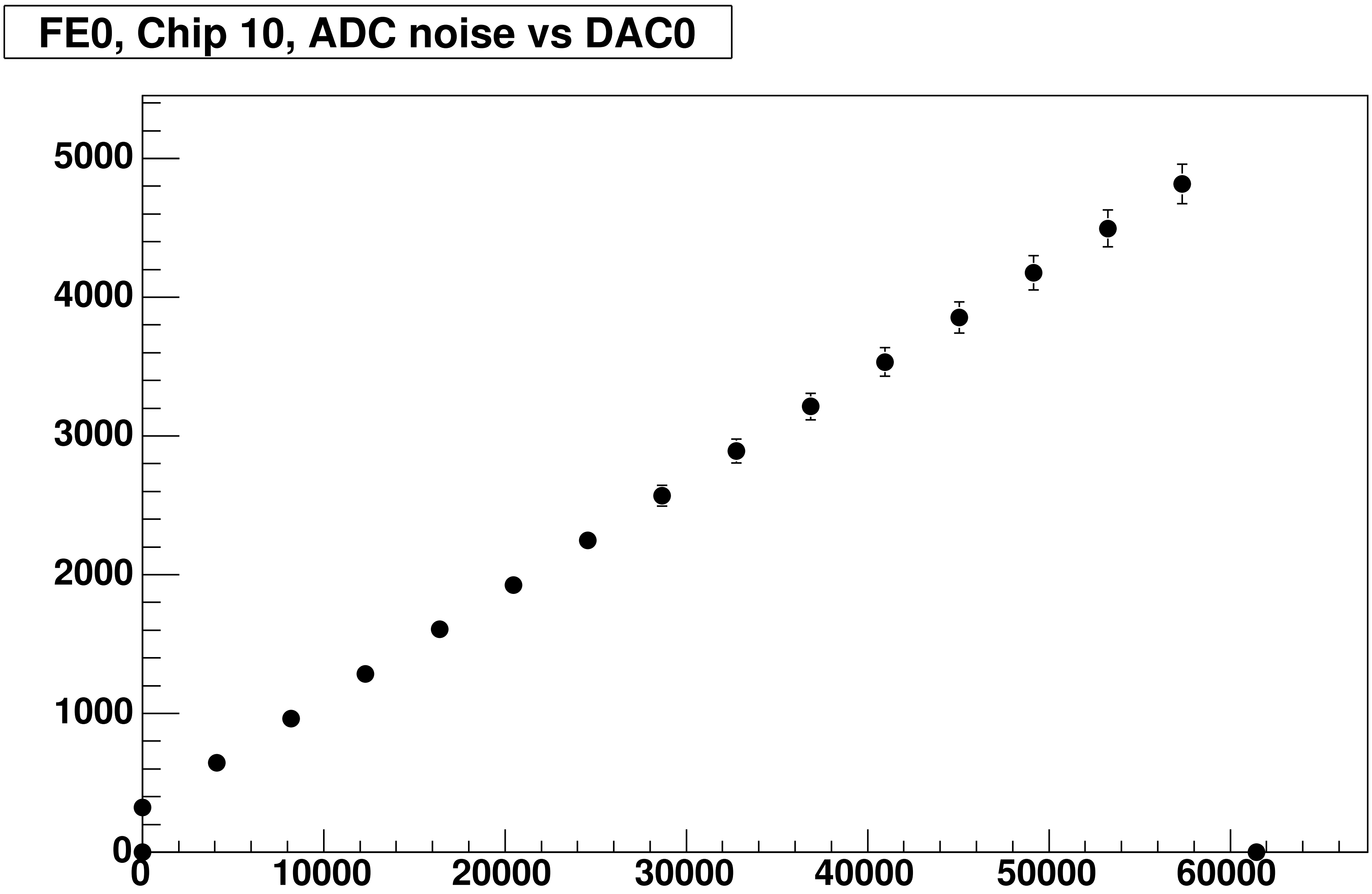


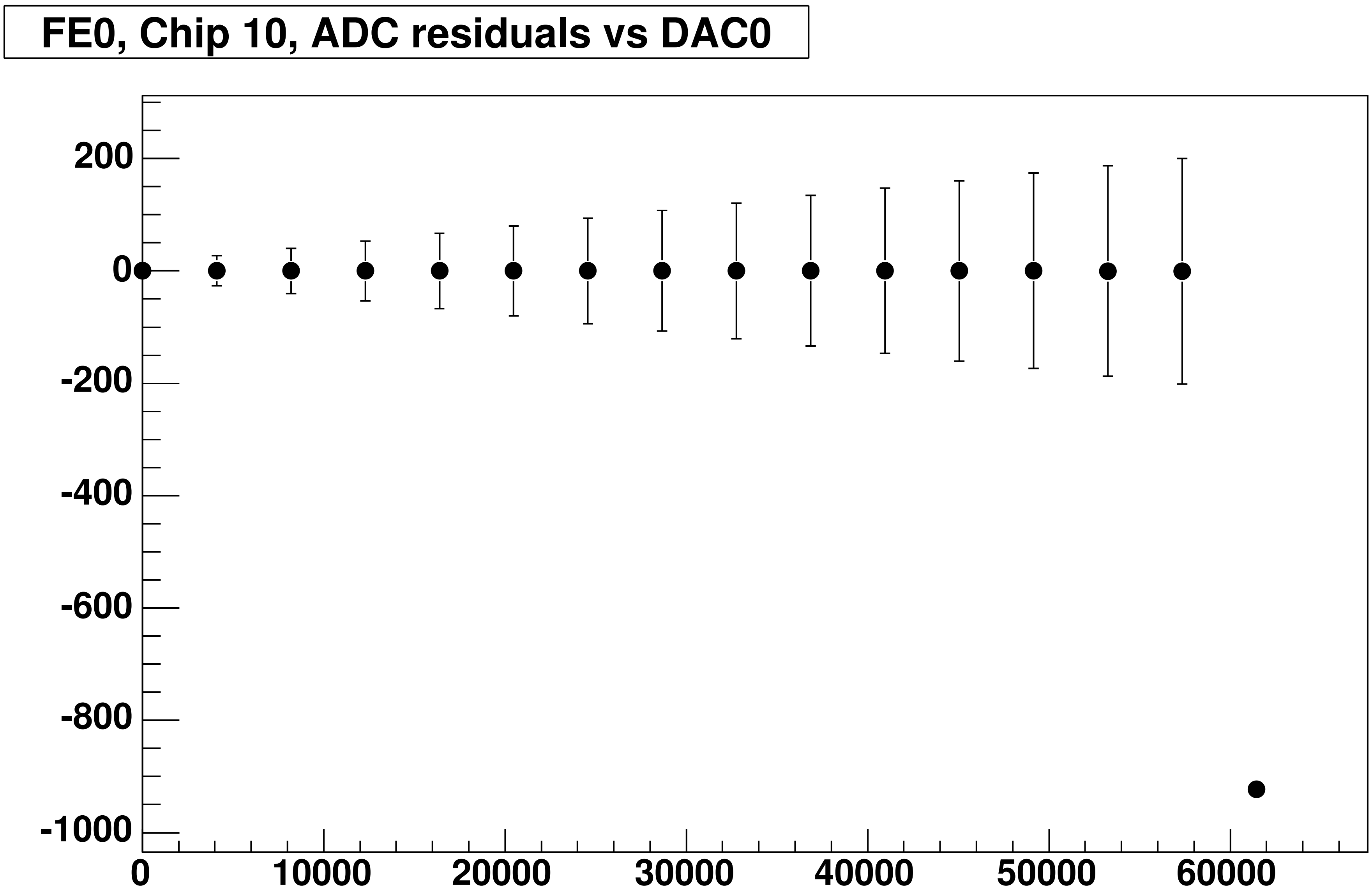
FE0, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.007422 / 11
p0 23.31 ± 31.06
p1 0.4365 ± 0.001596
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

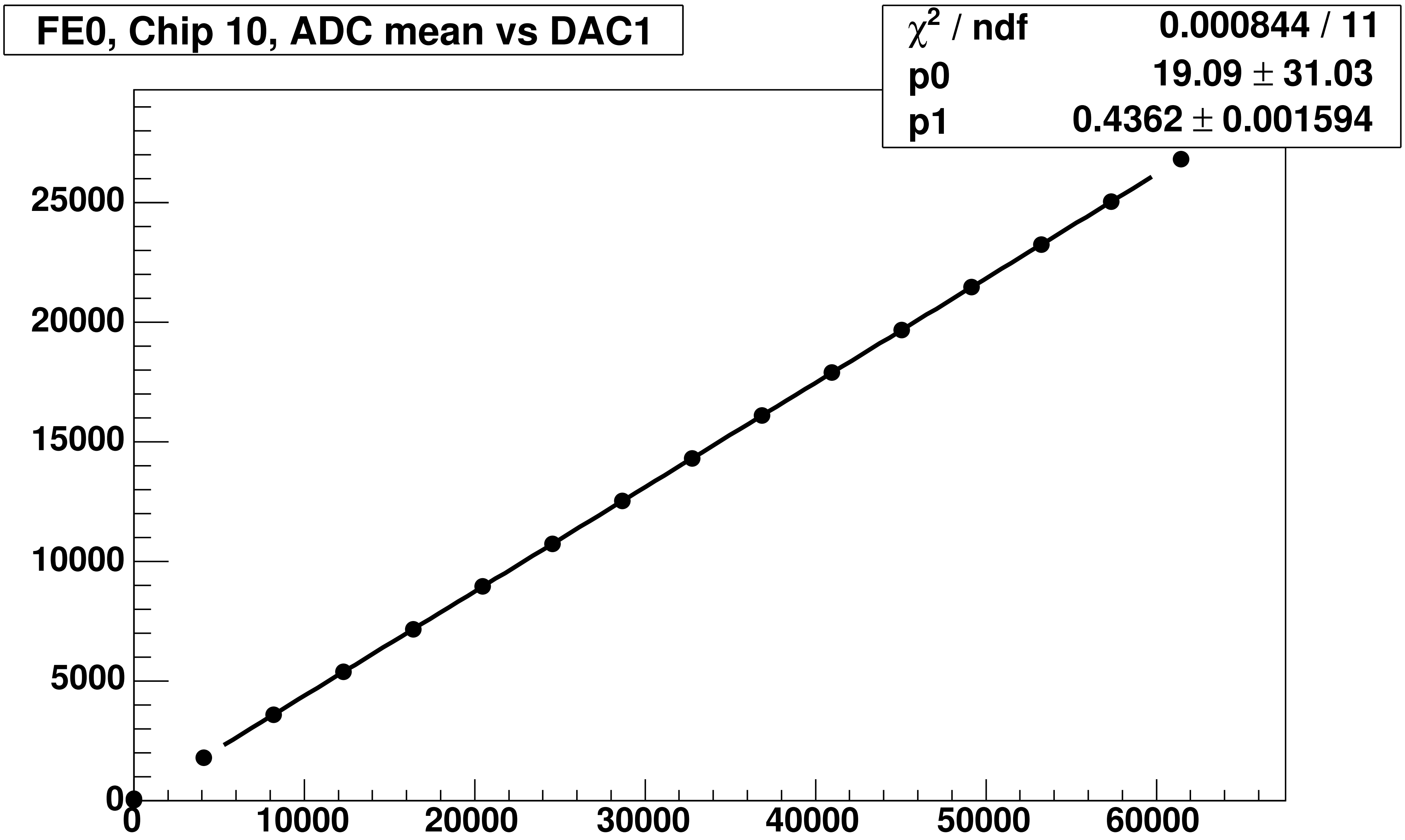

FE0, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

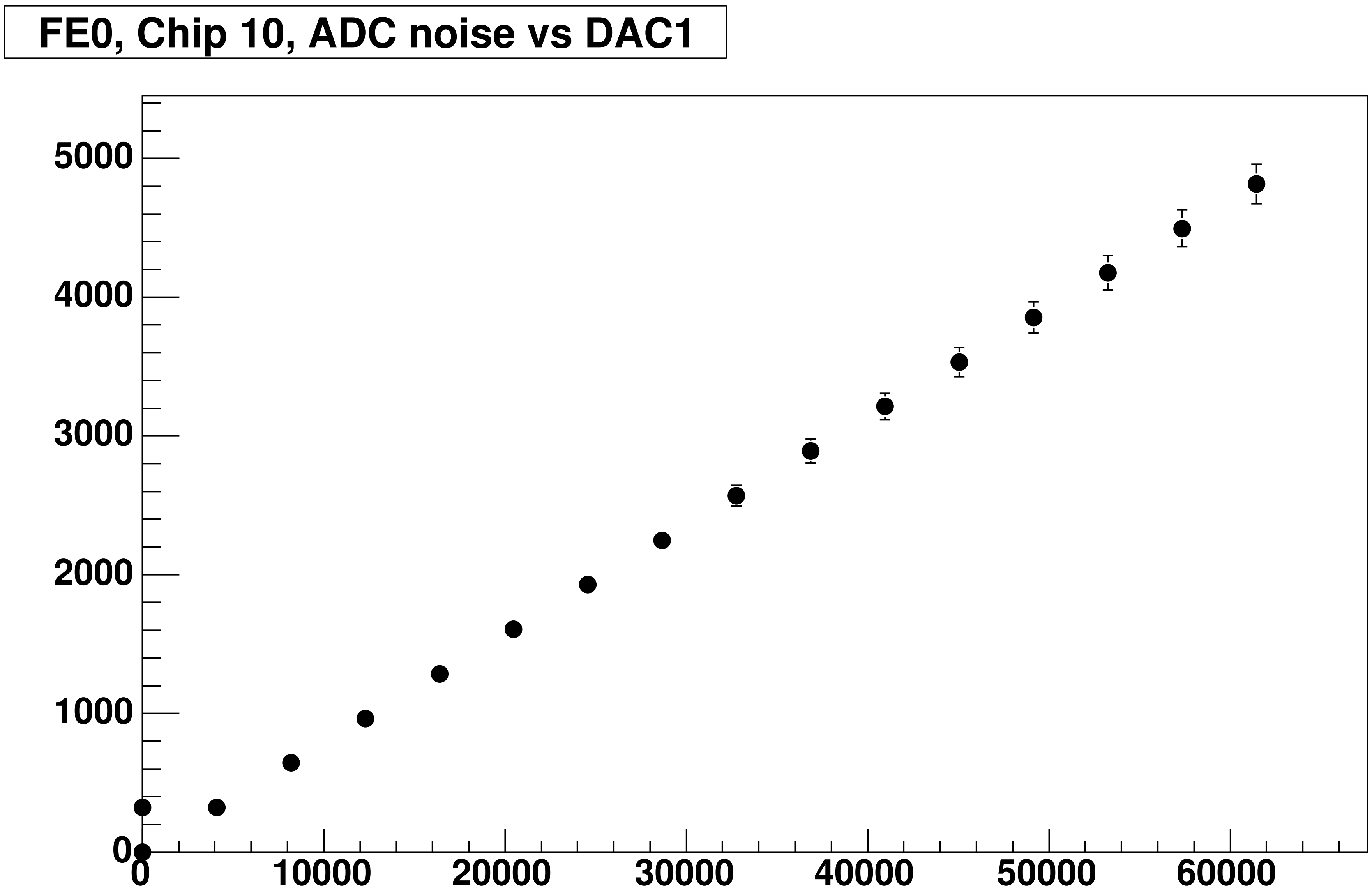

FE0, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

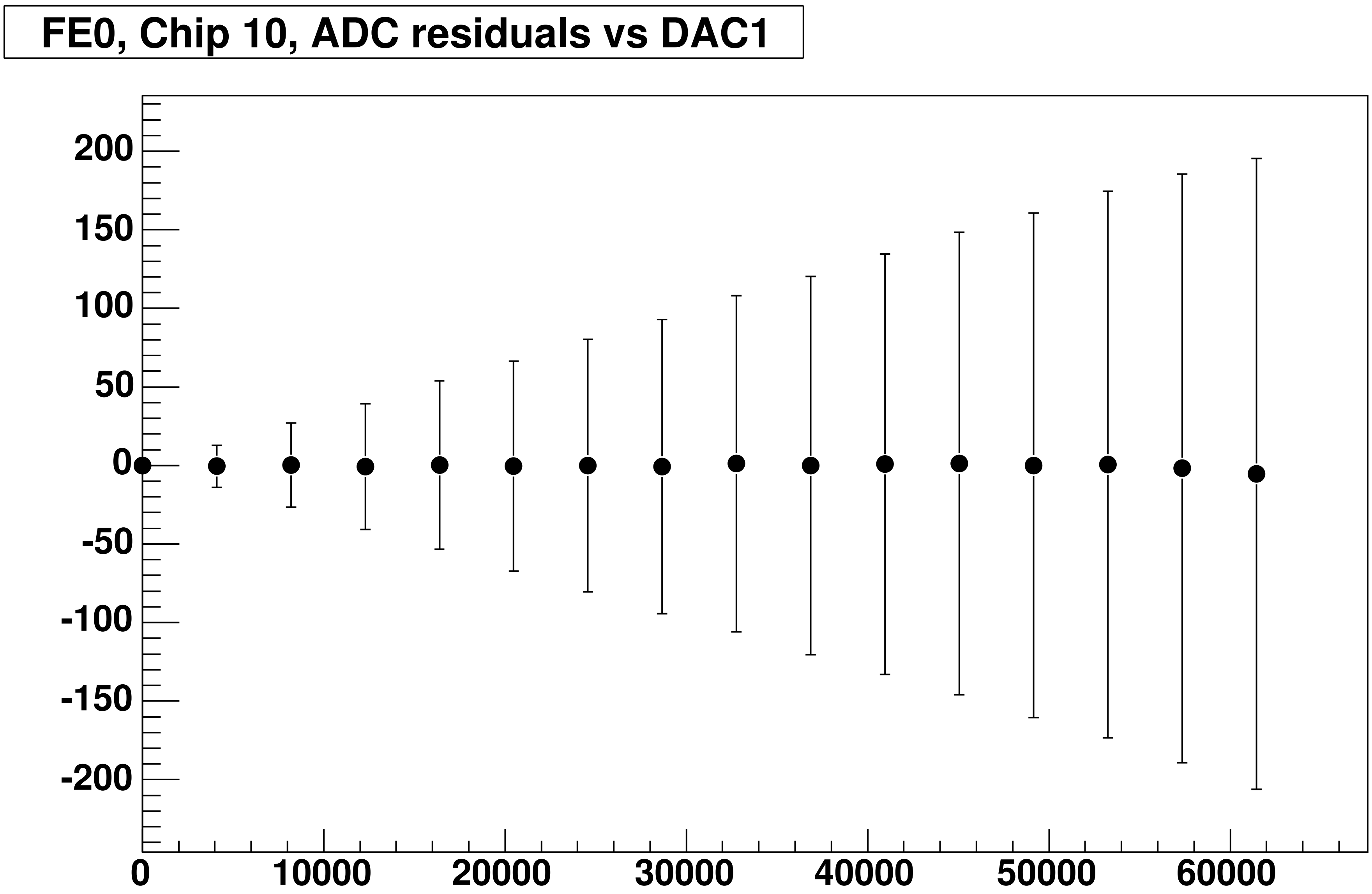

FE0, Chip 10, ADC mean vs DAC0
χ2 / ndf 4.025e-05 / 11
p0 76.11 ± 41.88
p1 0.01408 ± 0.001888
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

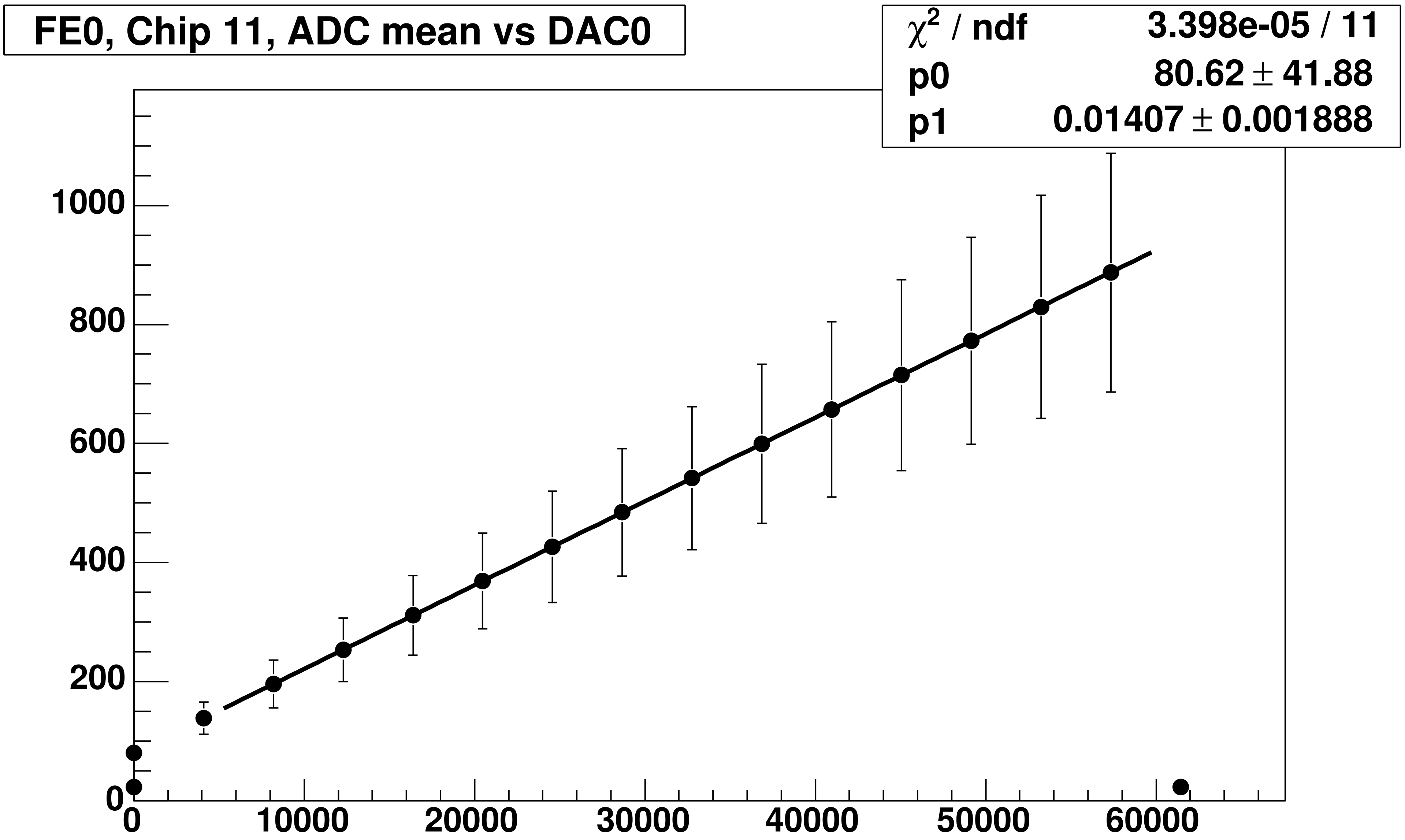

FE0, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 10, ADC mean vs DAC1
χ² / ndf 0.000844 / 11
p0 19.09 ± 31.03
p1 0.4362 ± 0.001594
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

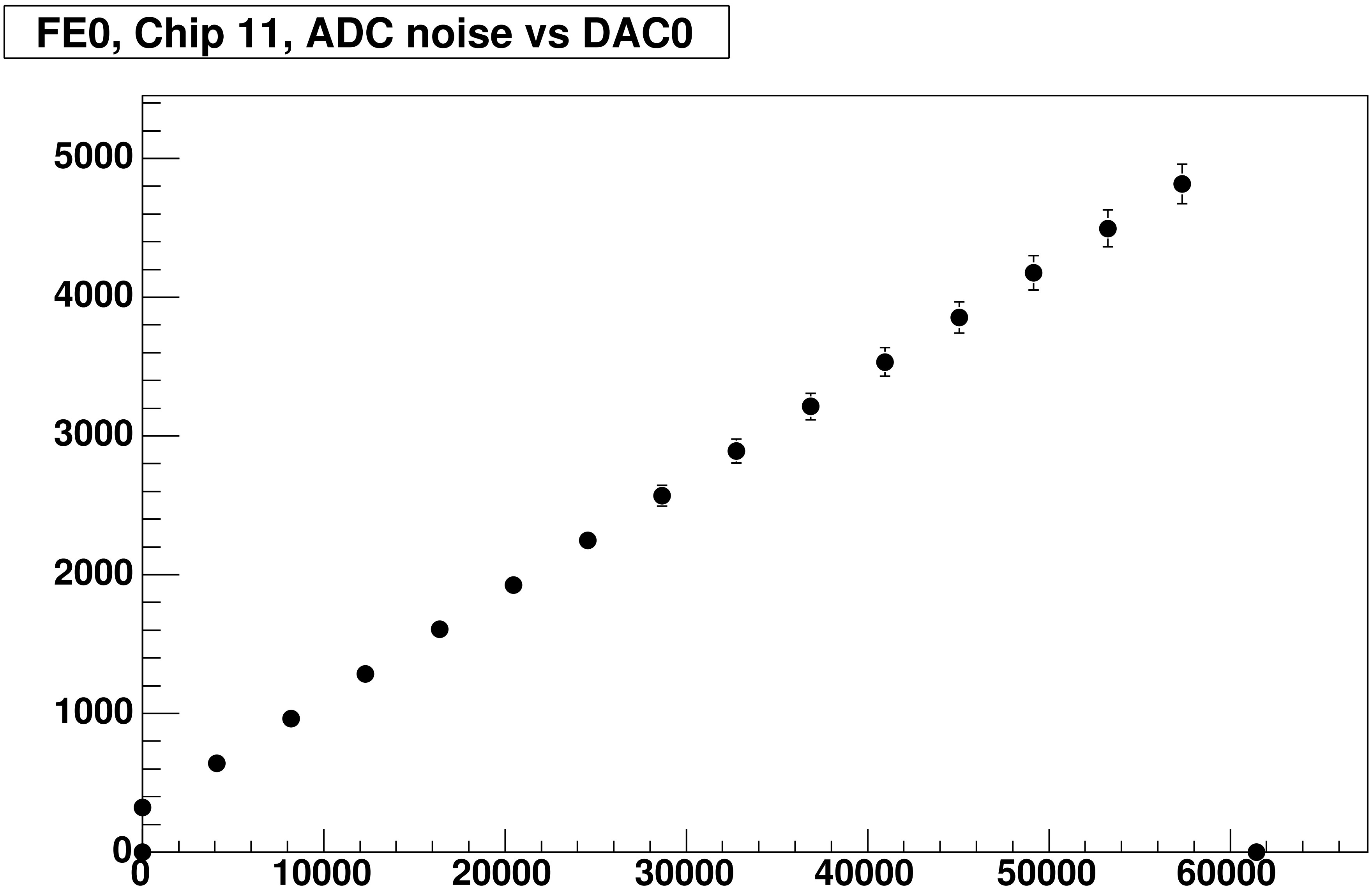

FE0, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

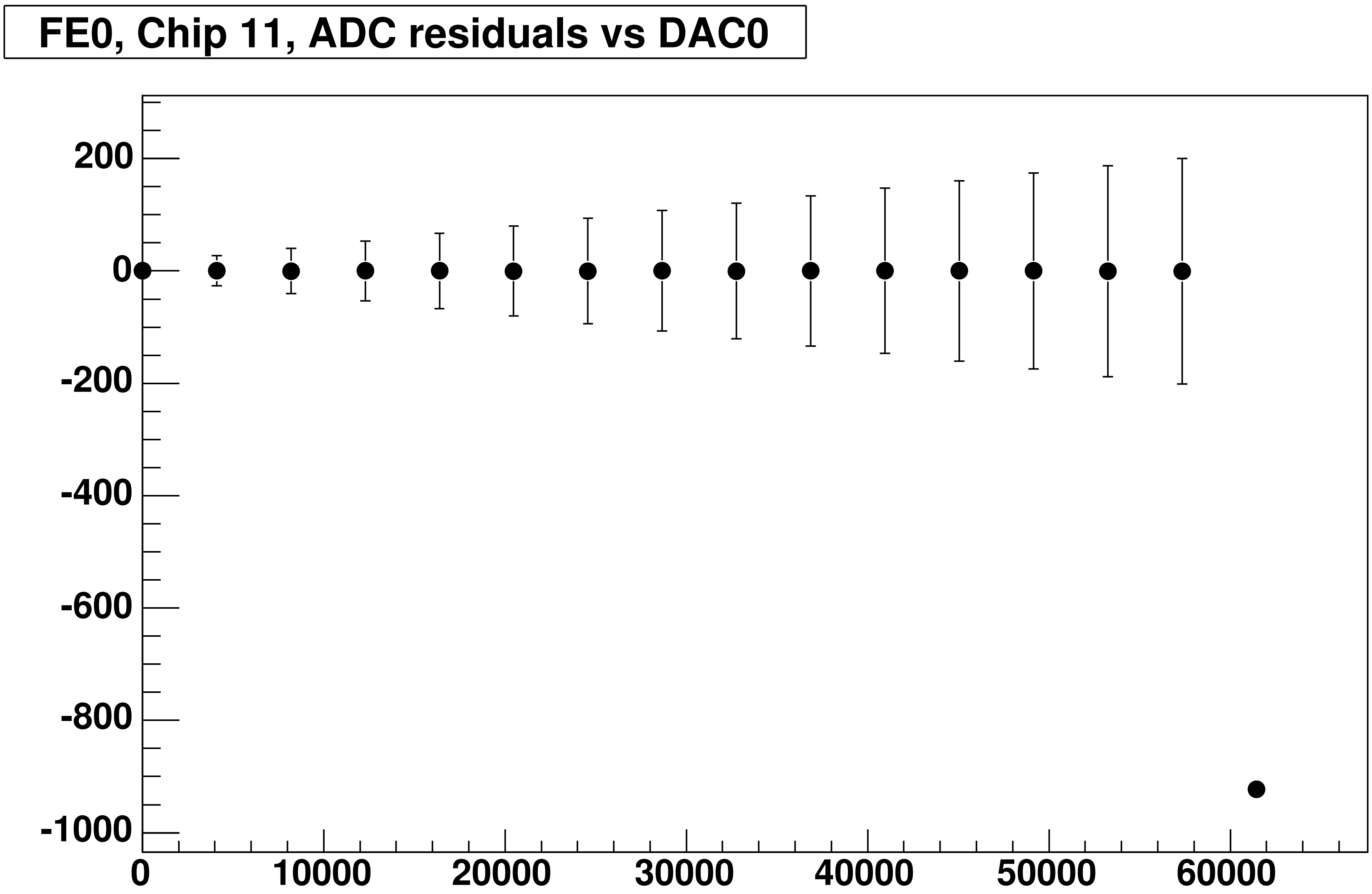


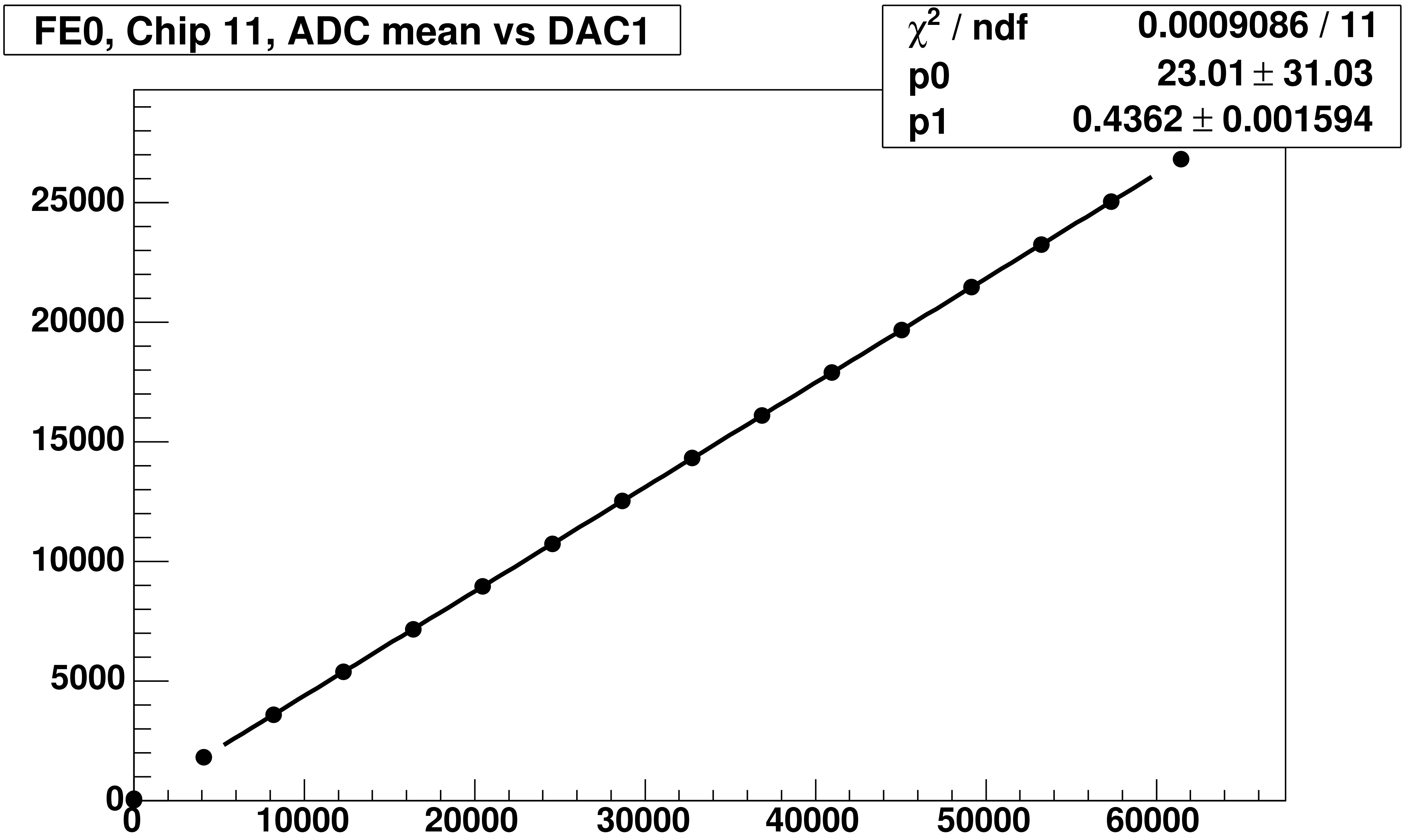
FE0, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

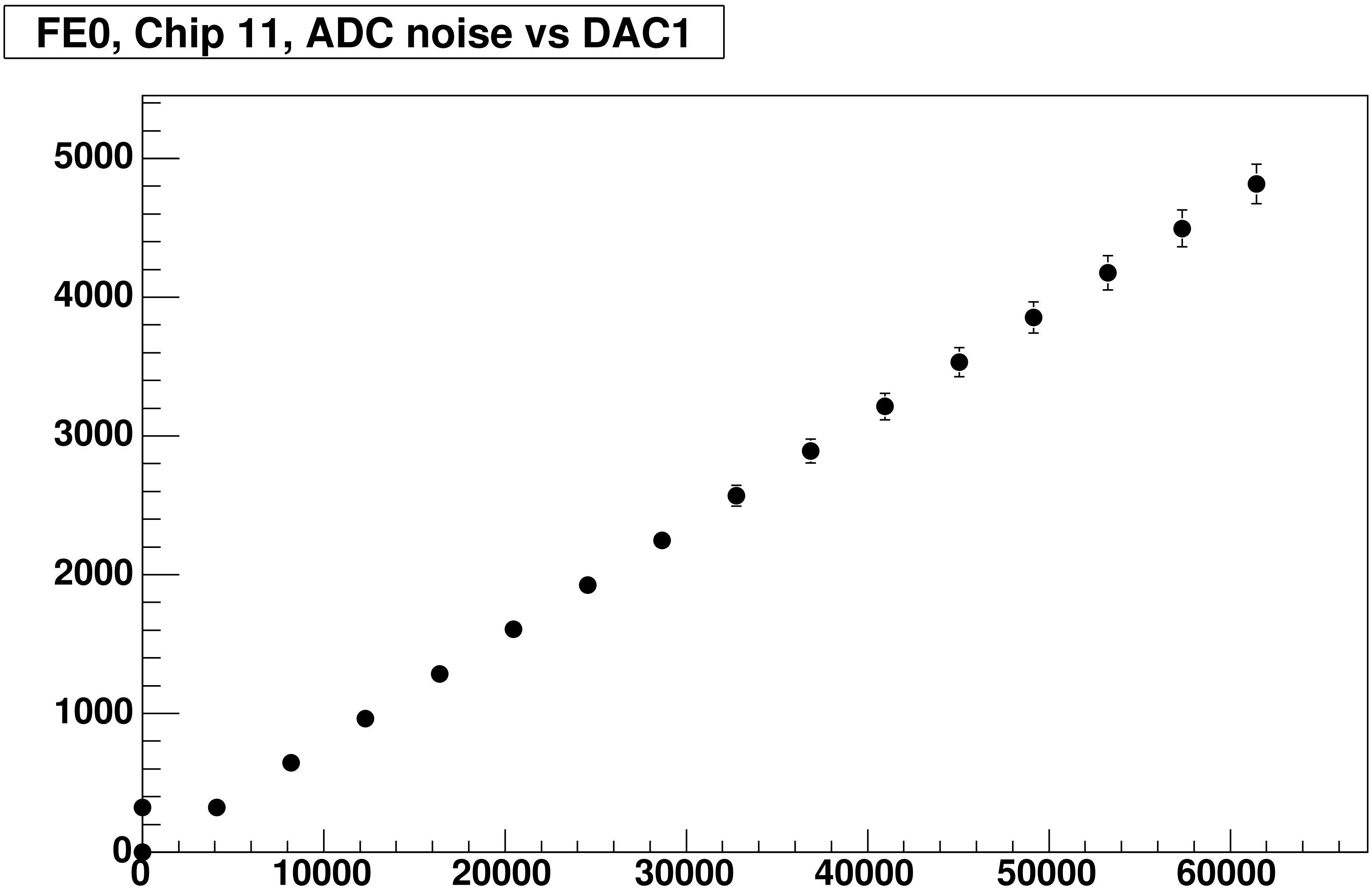


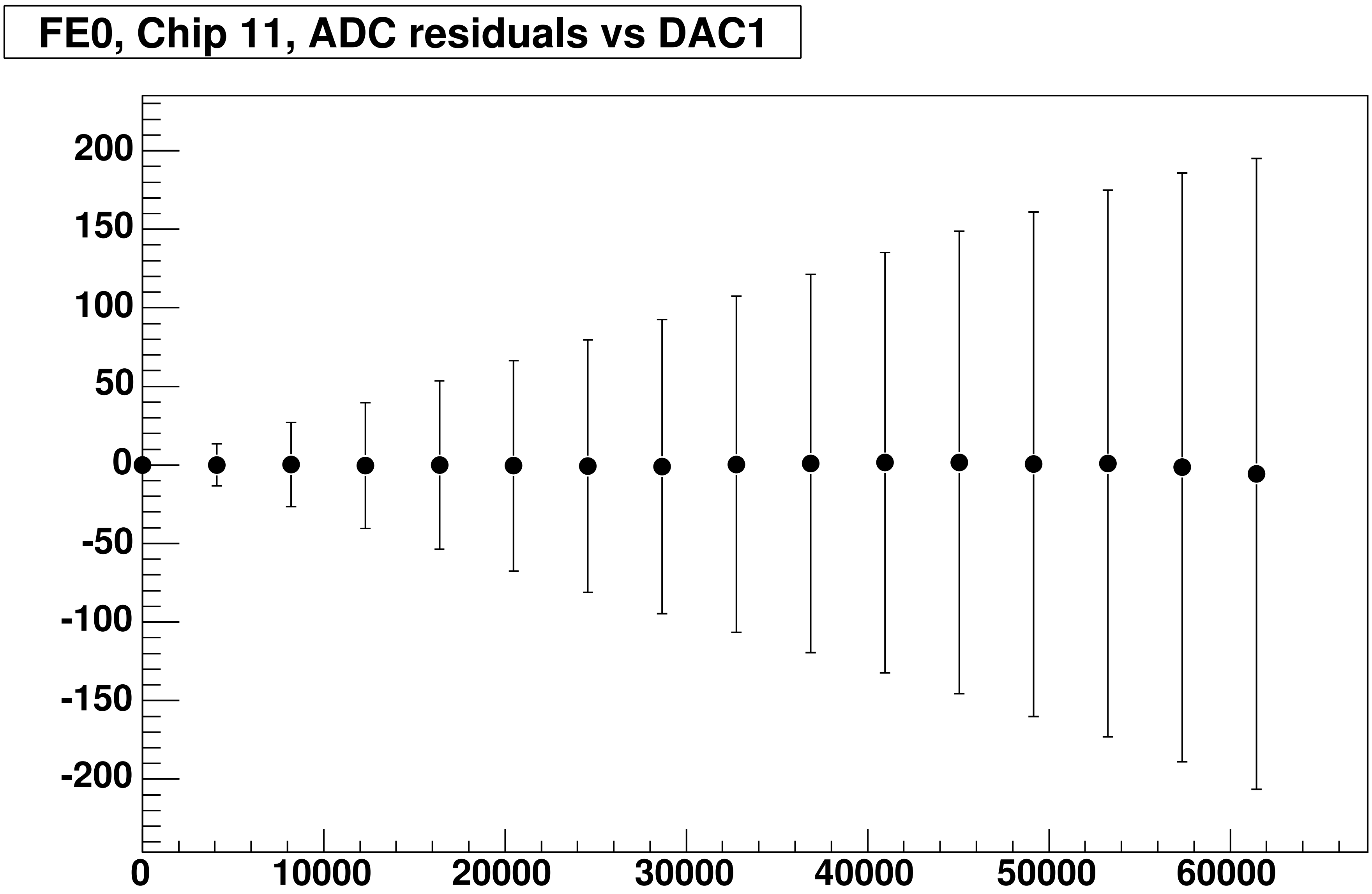
FE0, Chip 11, ADC mean vs DAC0
χ2 / ndf 3.398e-05 / 11
p0 80.62 ± 41.88
p1 0.01407 ± 0.001888
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

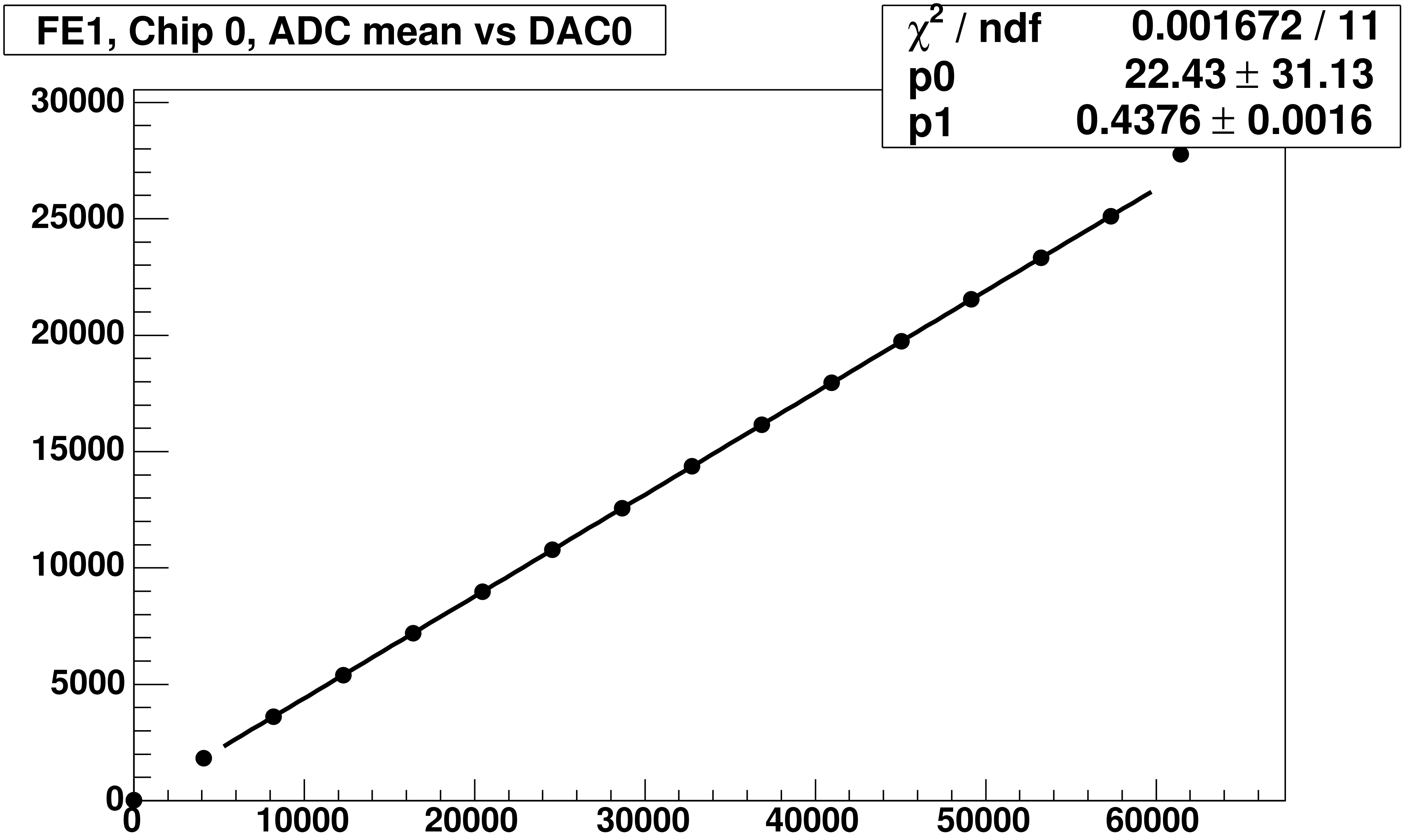

FE0, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

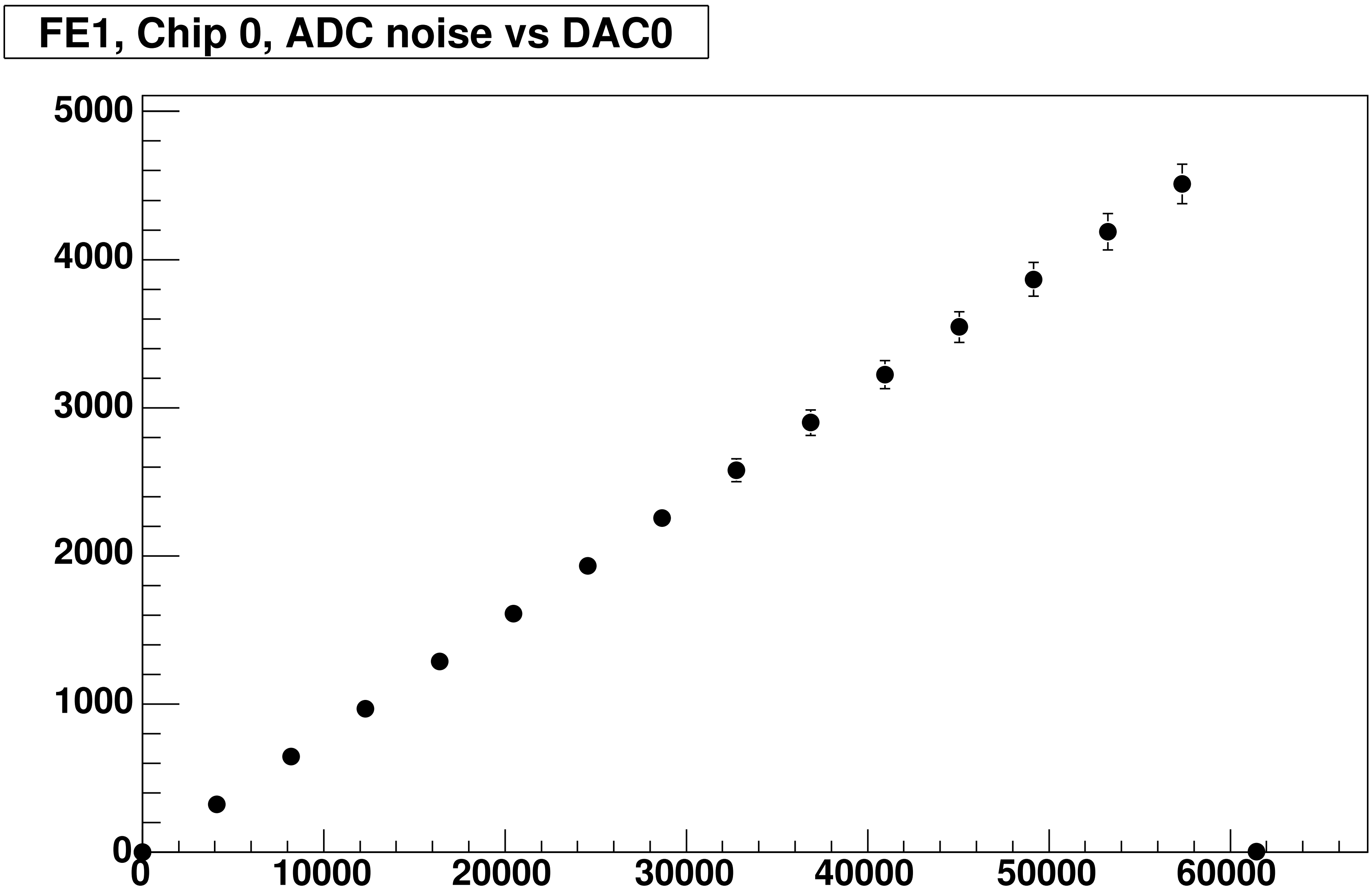

FE0, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE0, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0009086 / 11
p0 23.01 ± 31.03
p1 0.4362 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

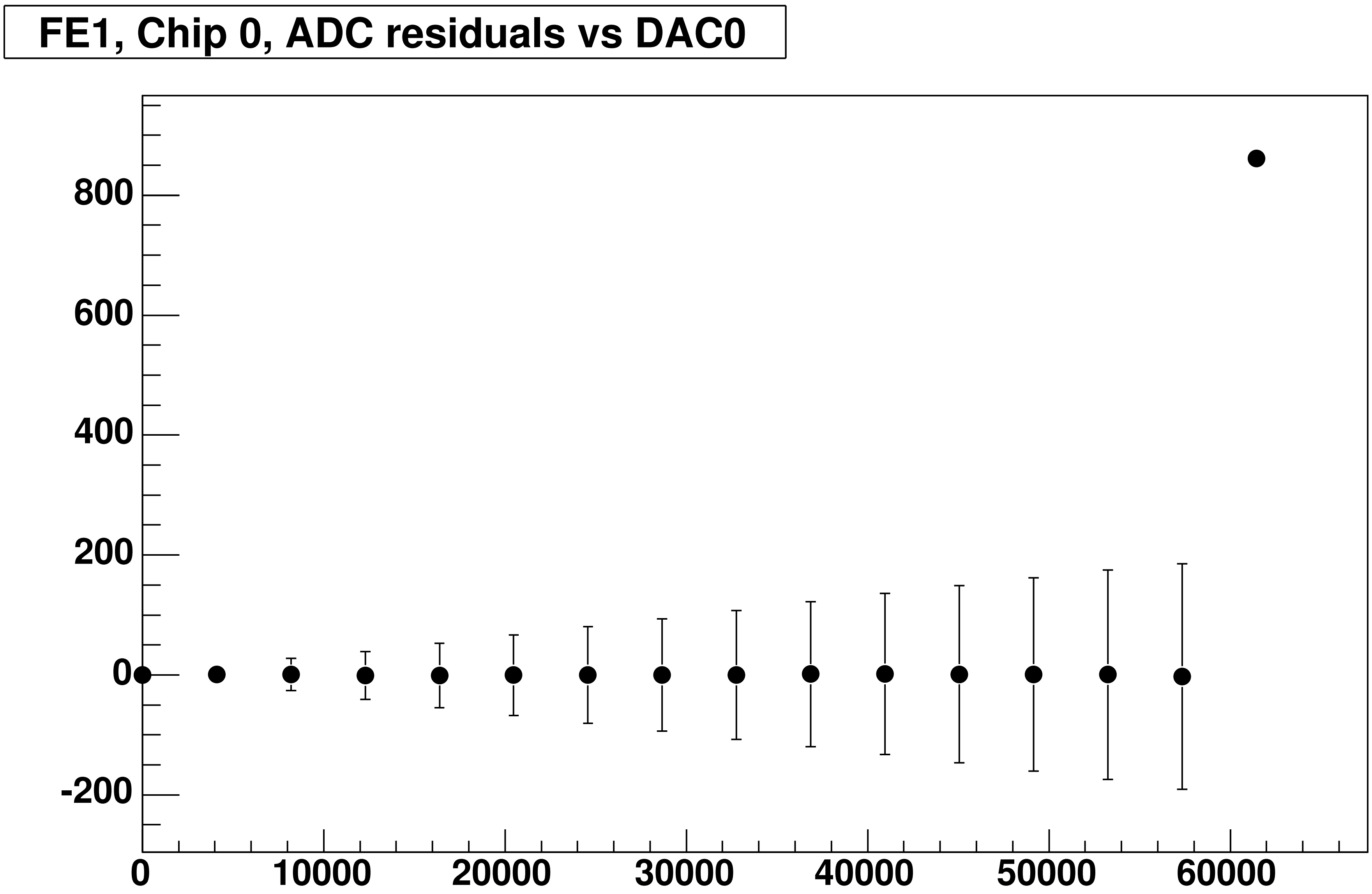

FE0, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

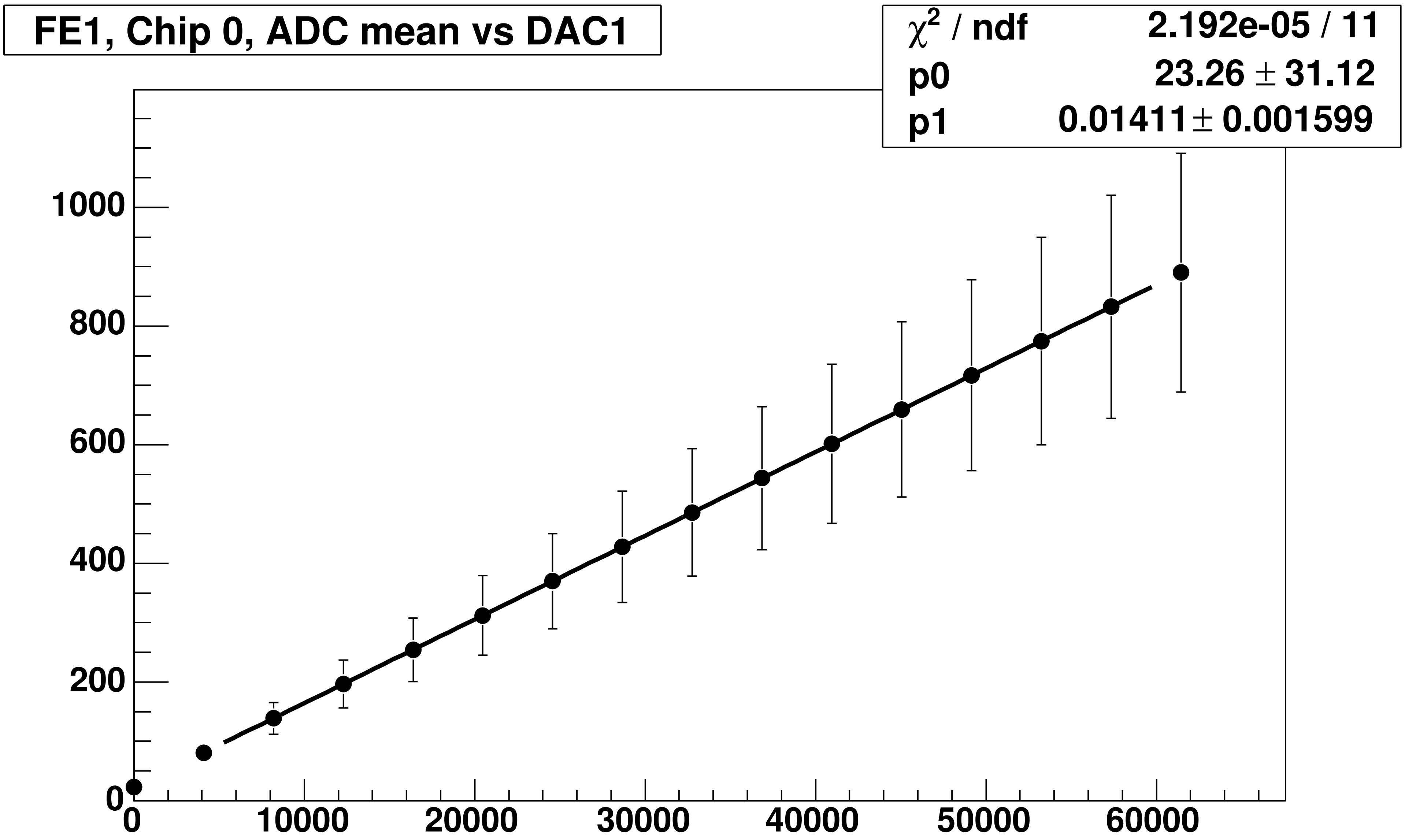

FE0, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001672 / 11
p0 22.43 ± 31.13
p1 0.4376 ± 0.0016
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
χ² / ndf 2.192e-05 / 11
p0 23.26 ± 31.12
p1 0.01411 ± 0.001599
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400
600
800
1000
0
10000
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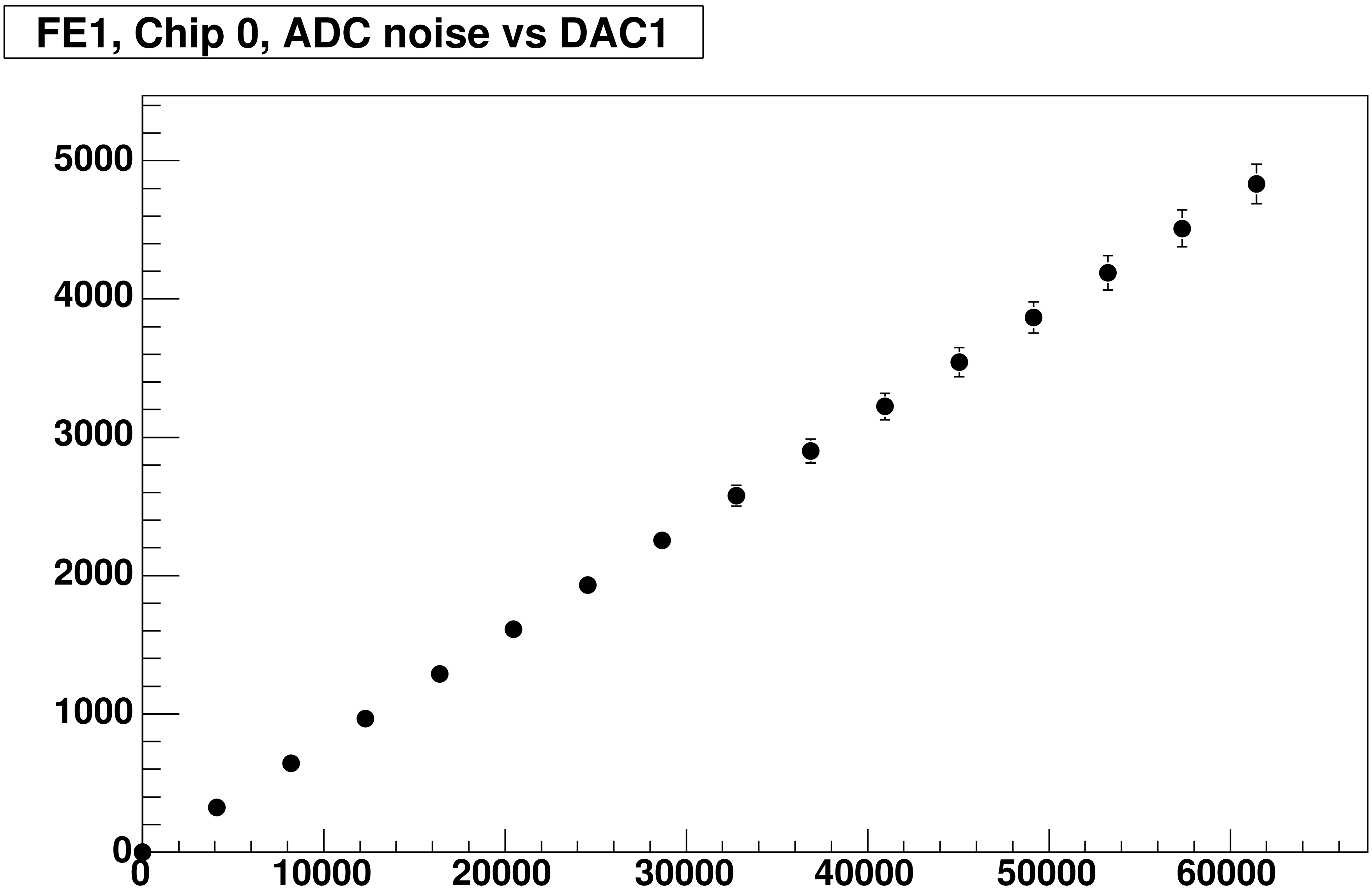
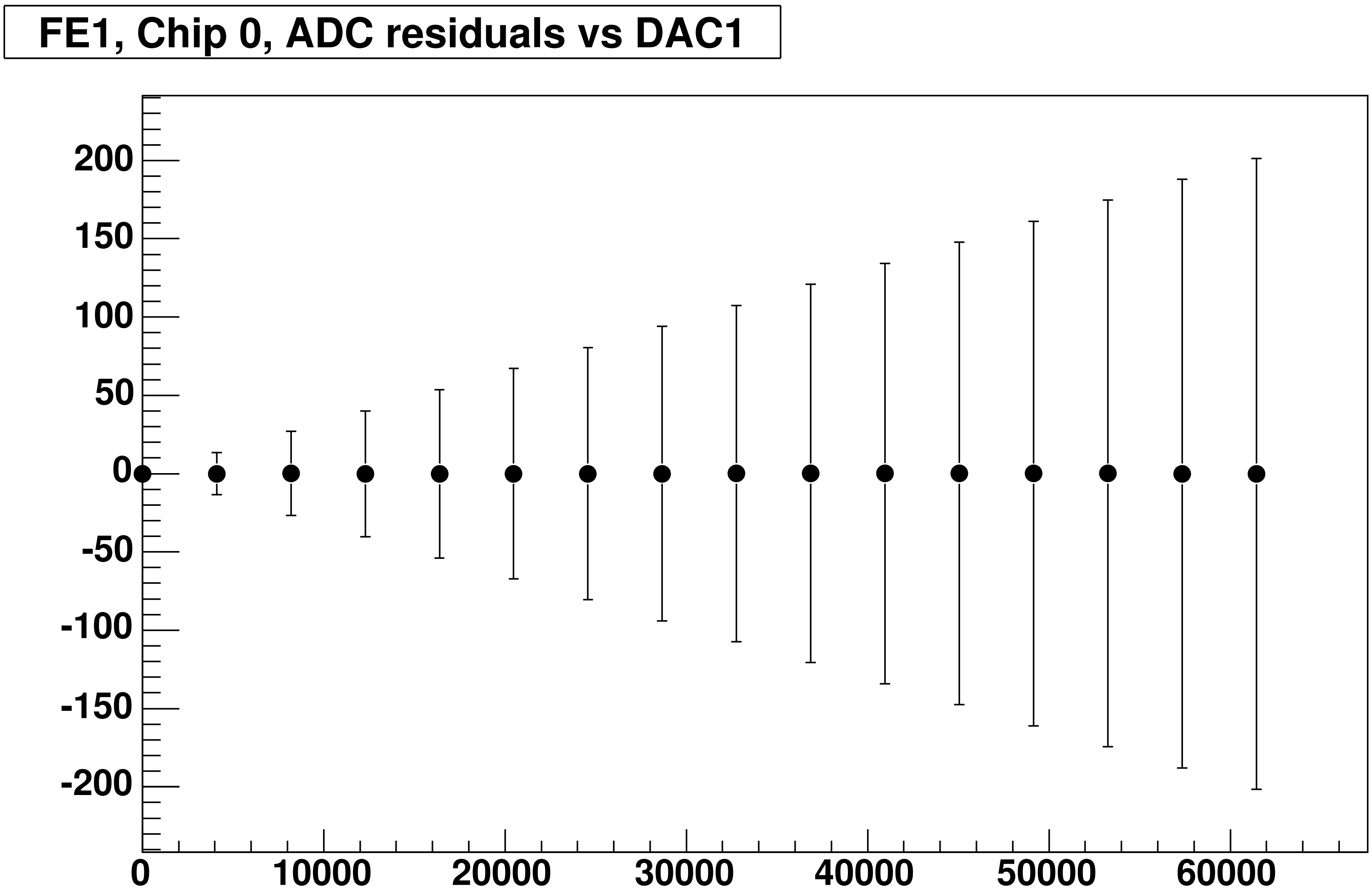
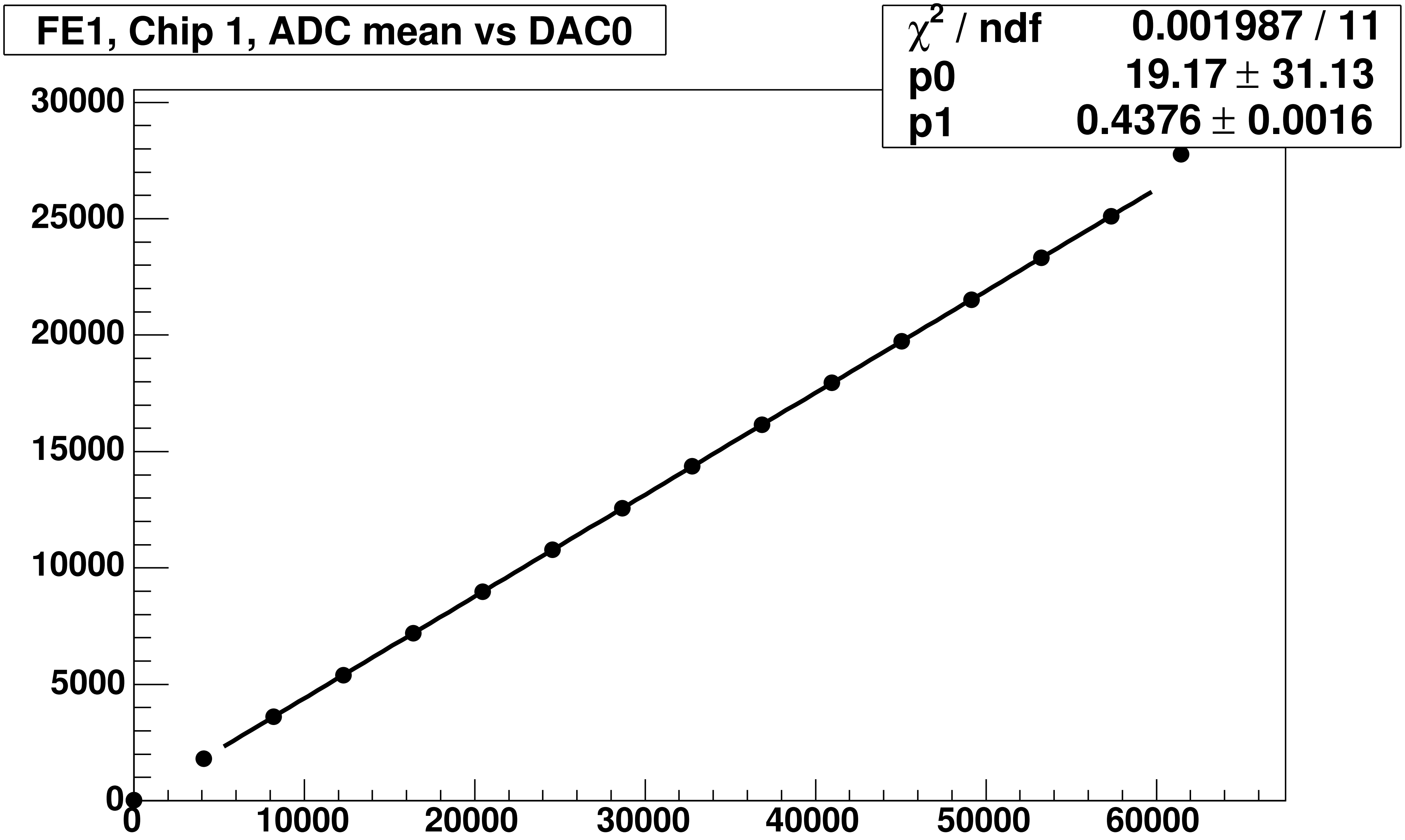
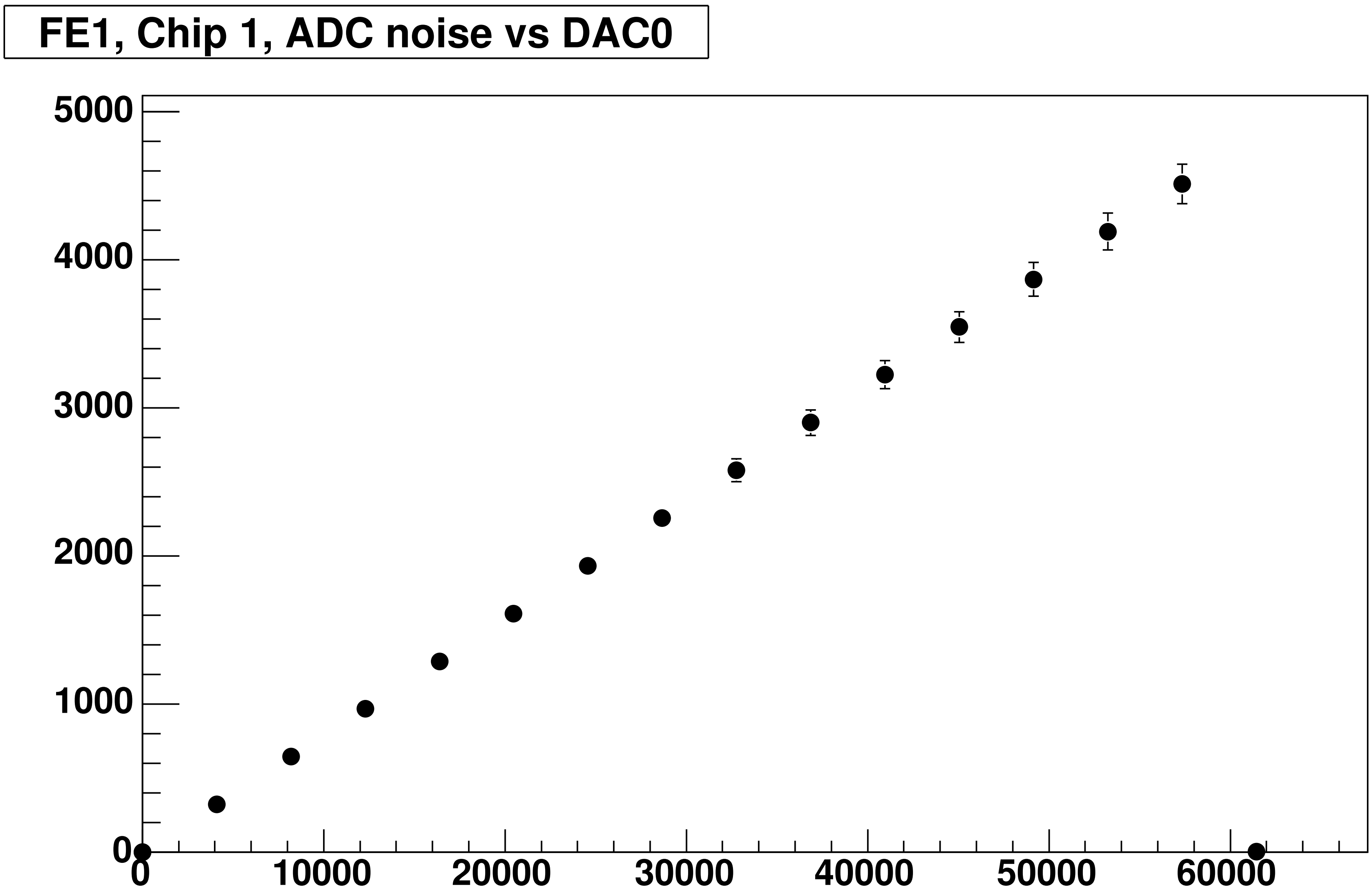
30000
40000
50000
60000

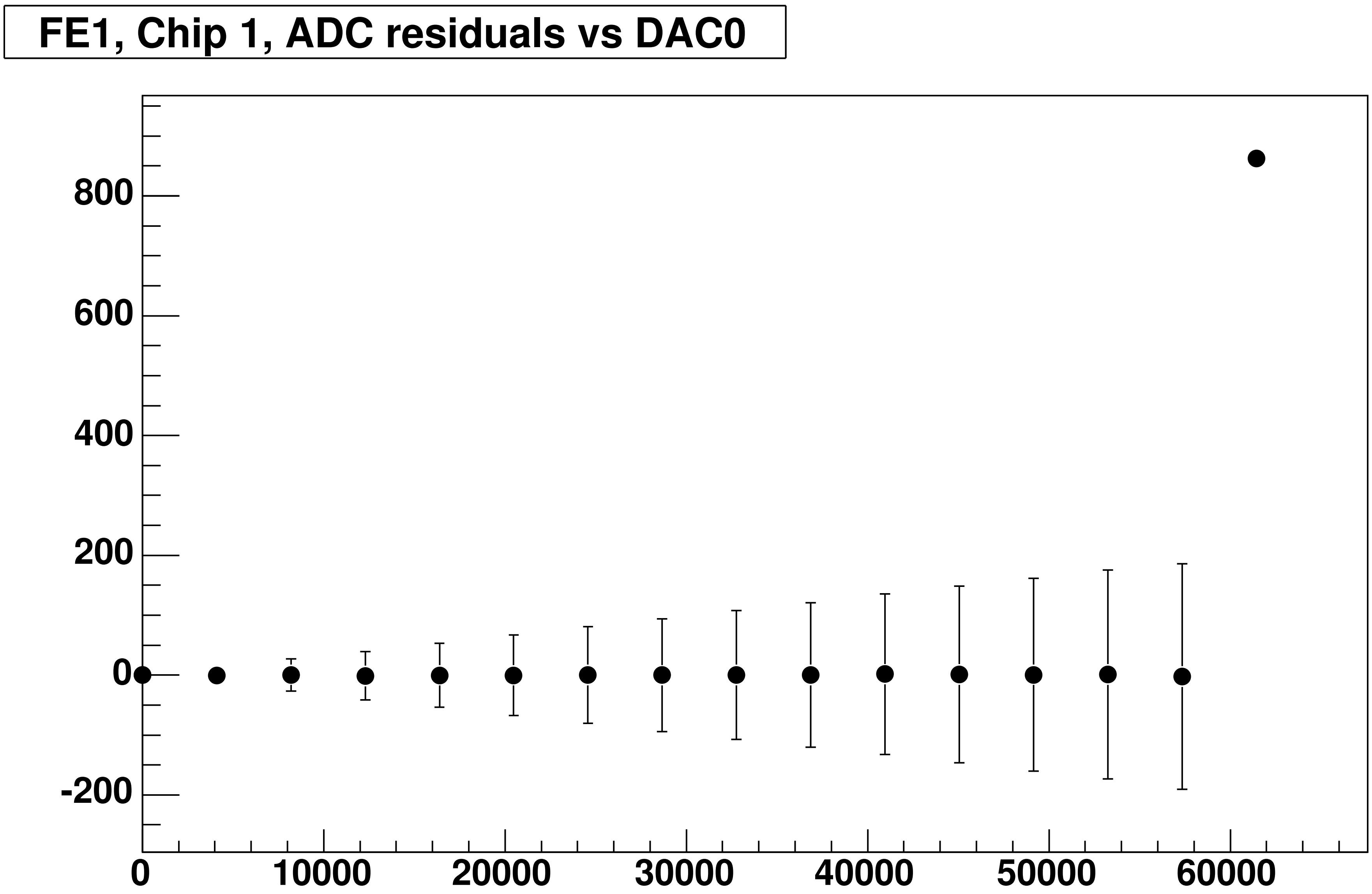


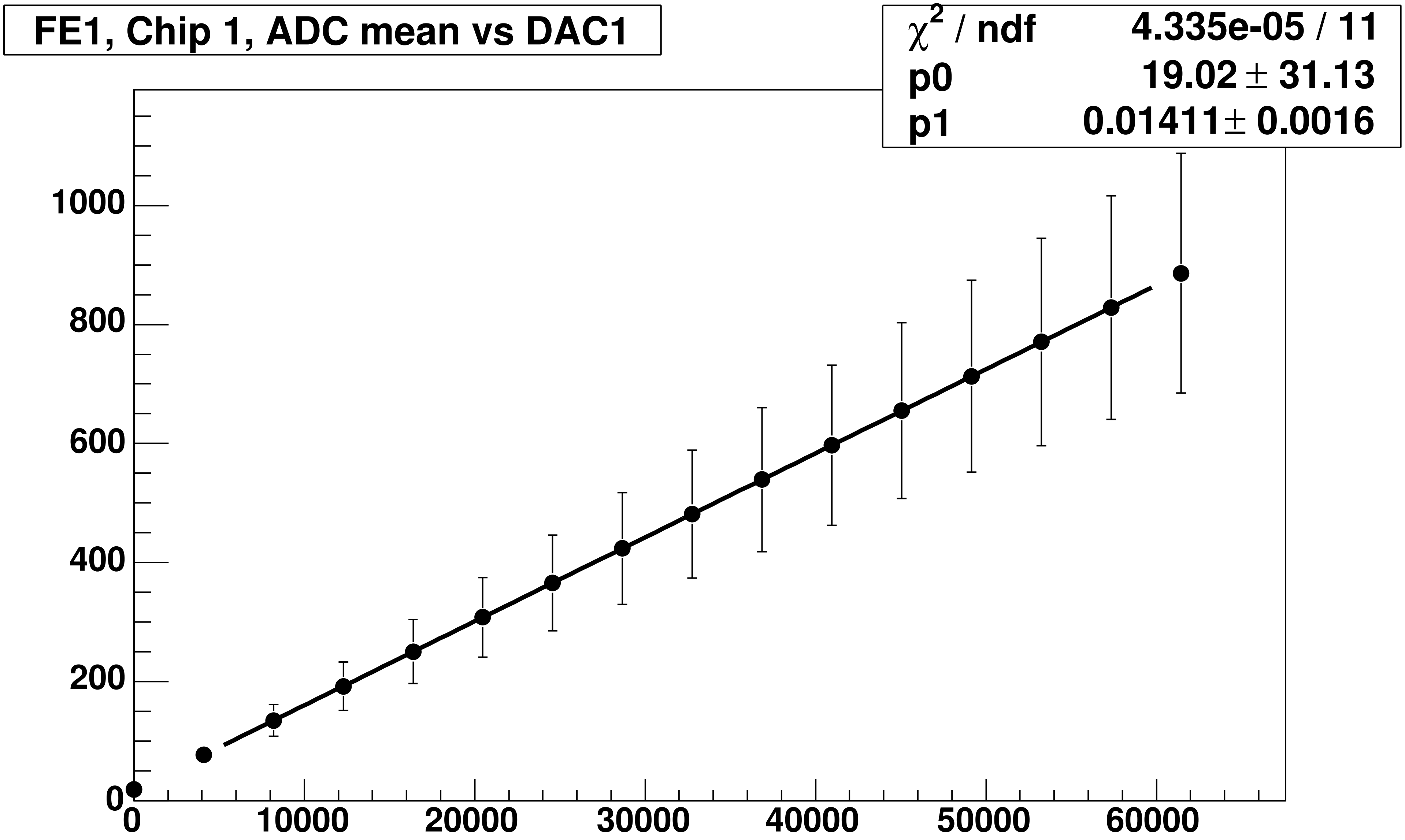
FE1, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

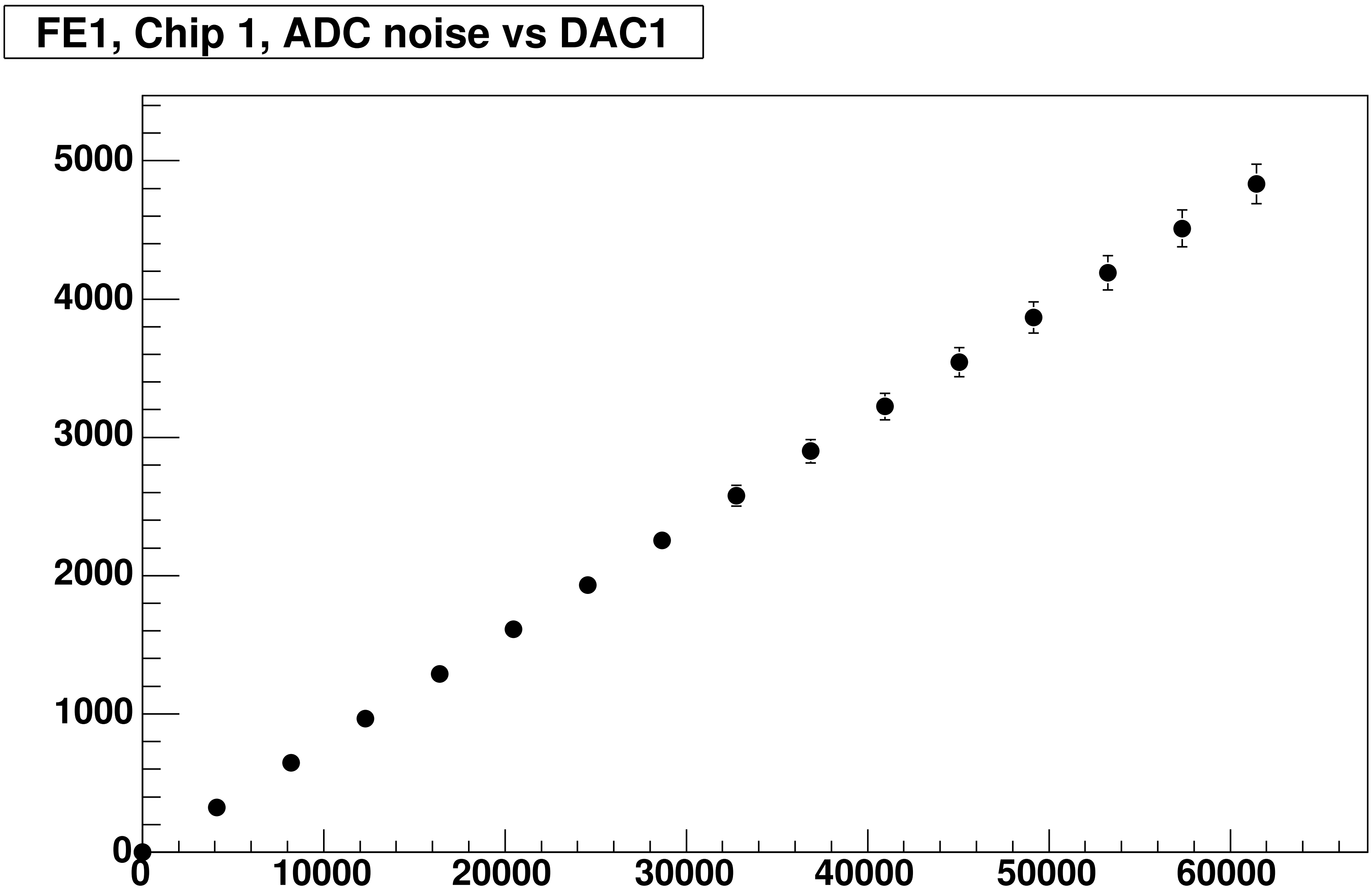

FE1, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.001987 / 11
p0 19.17 ± 31.13
p1 0.4376 ± 0.0016
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

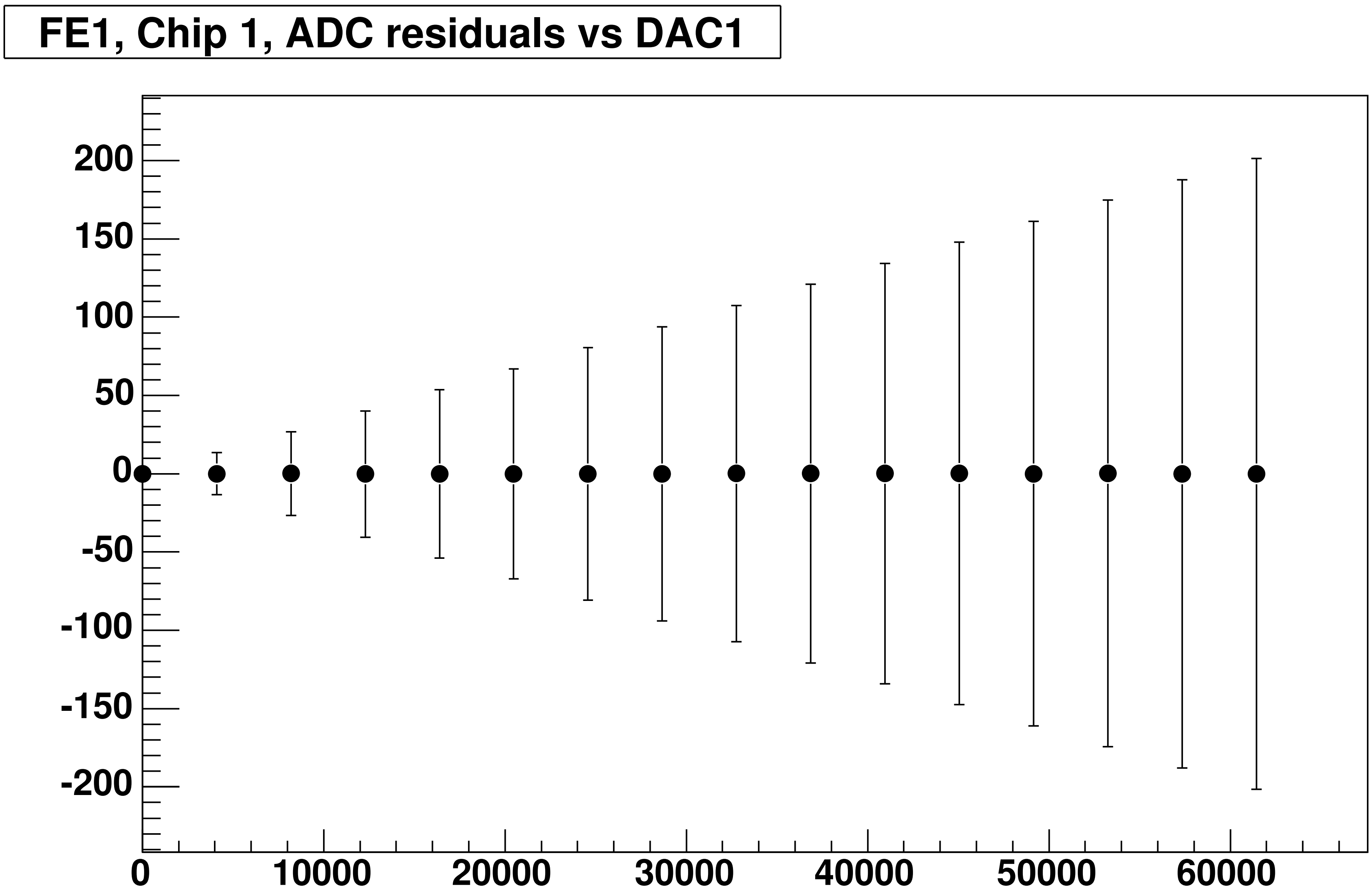

FE1, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

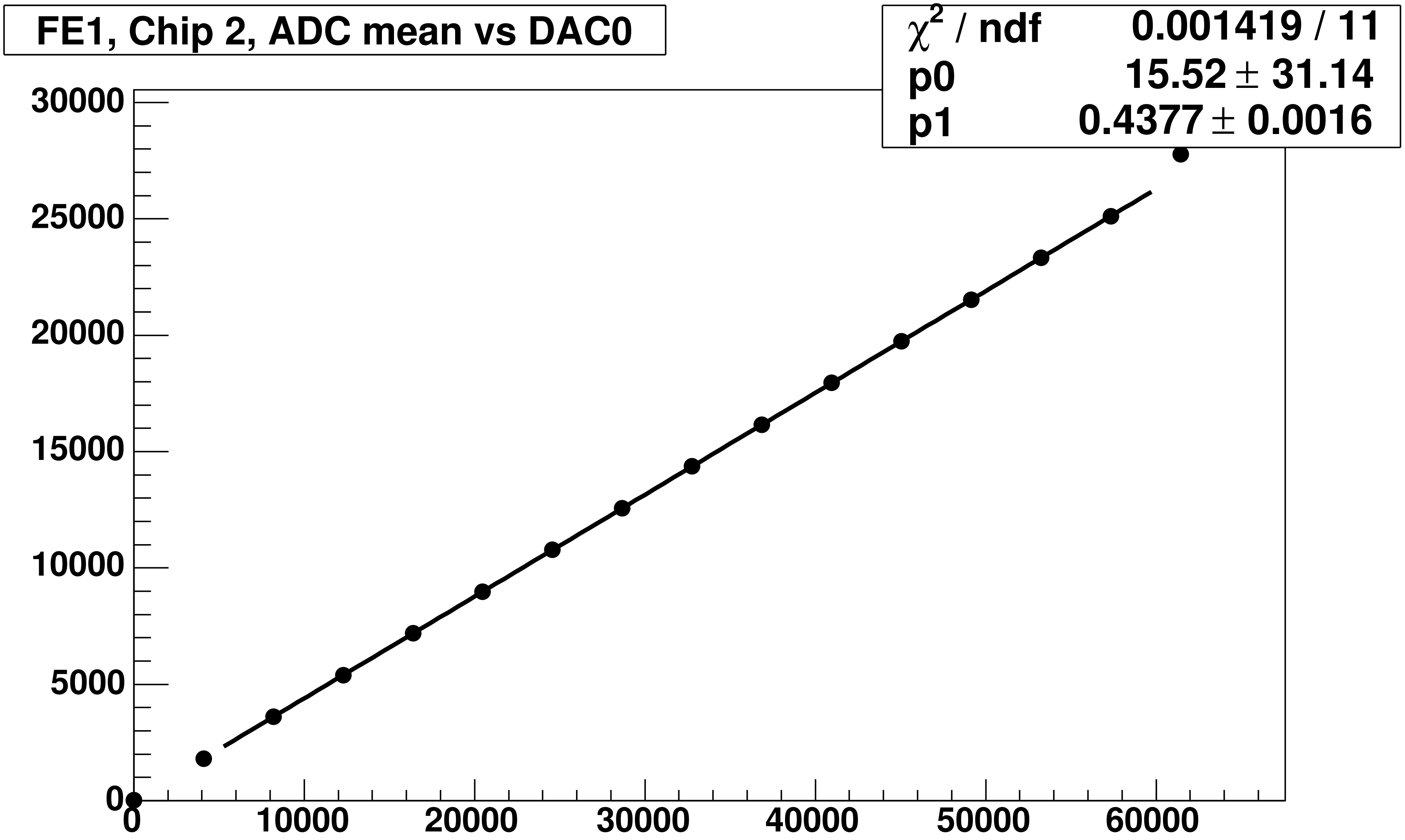

FE1, Chip 1, ADC mean vs DAC1
χ² / ndf 4.335e-05 / 11
p0 19.02 ± 31.13
p1 0.01411 ± 0.0016
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

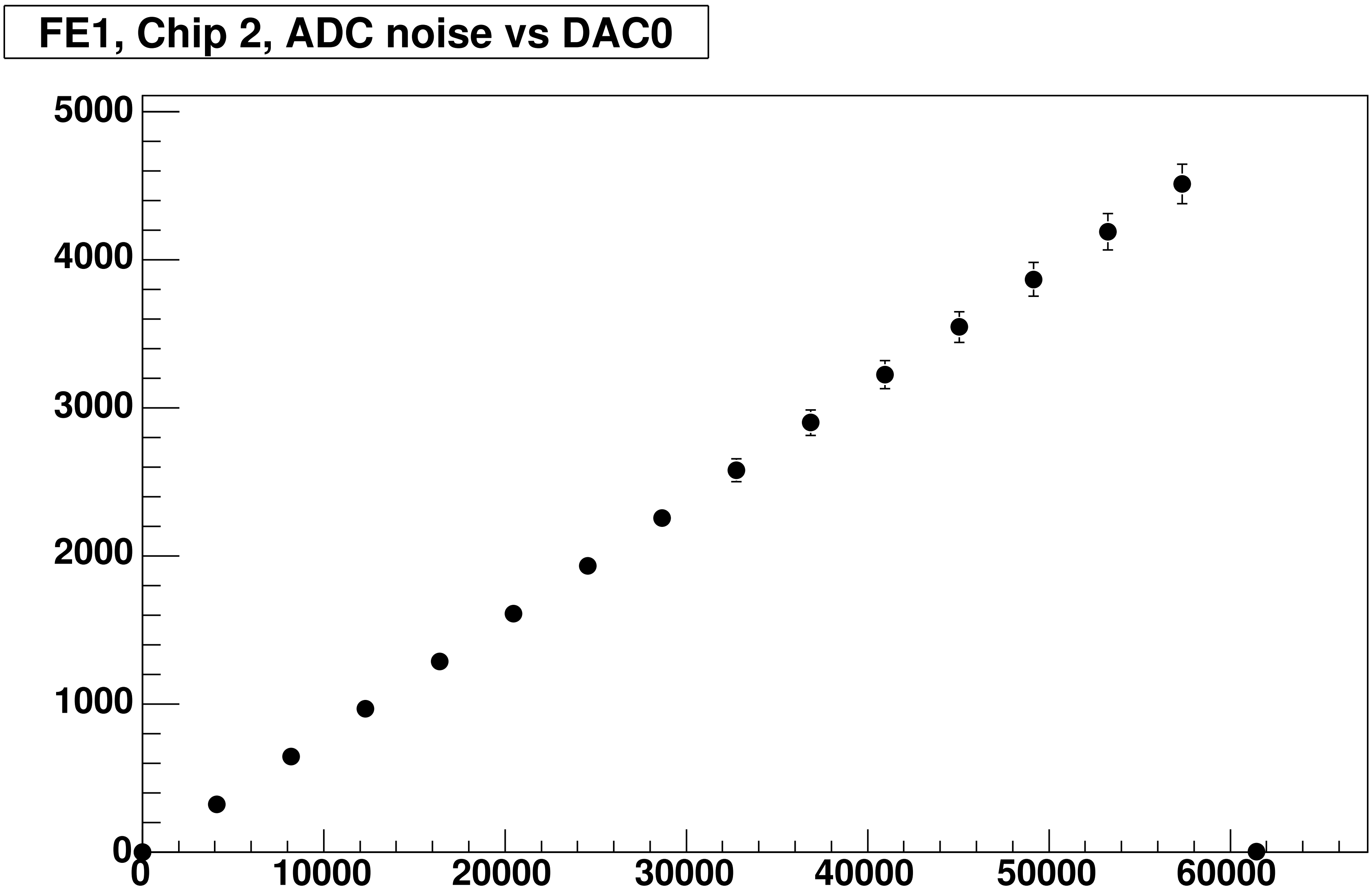


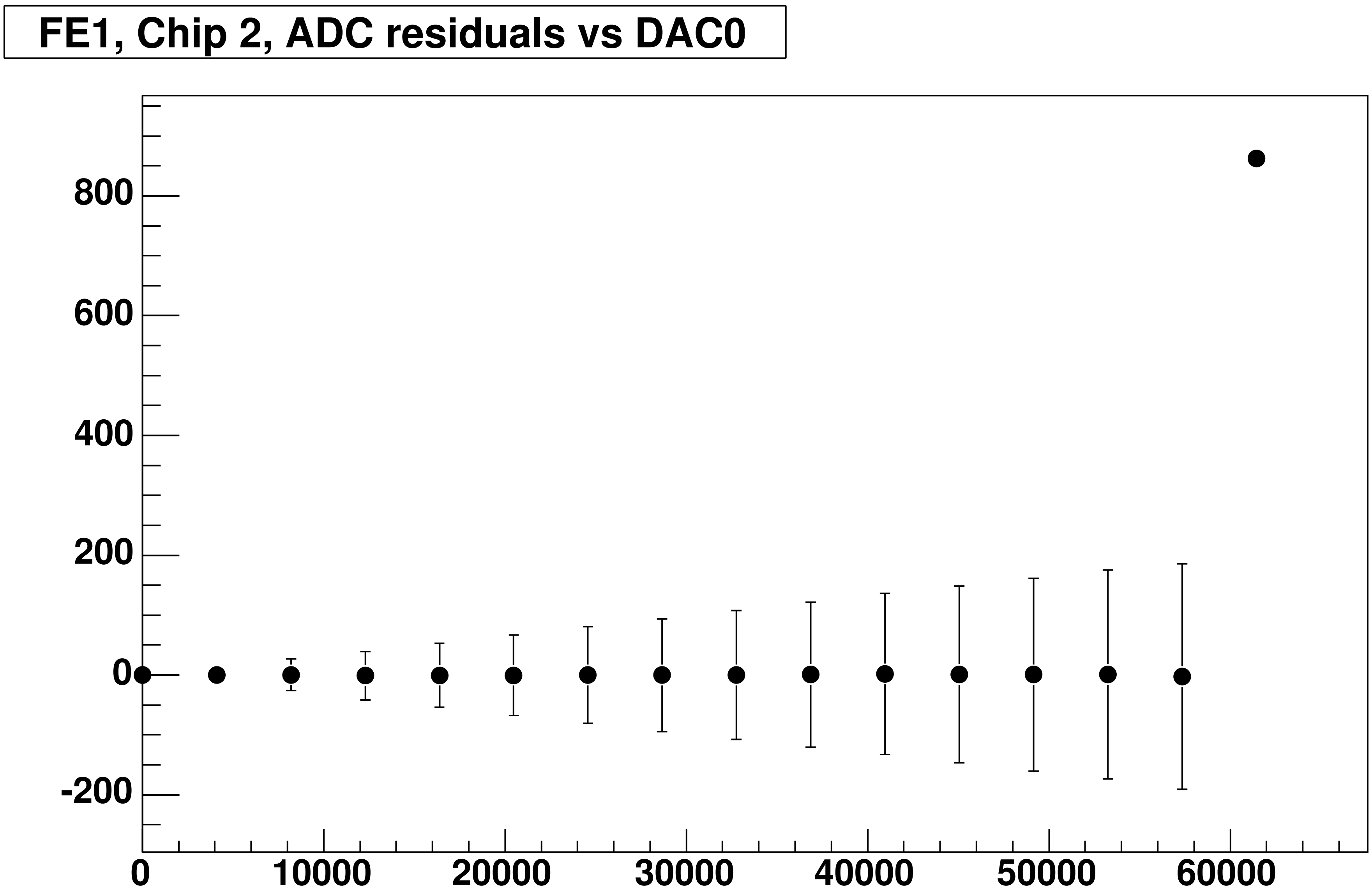
FE1, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

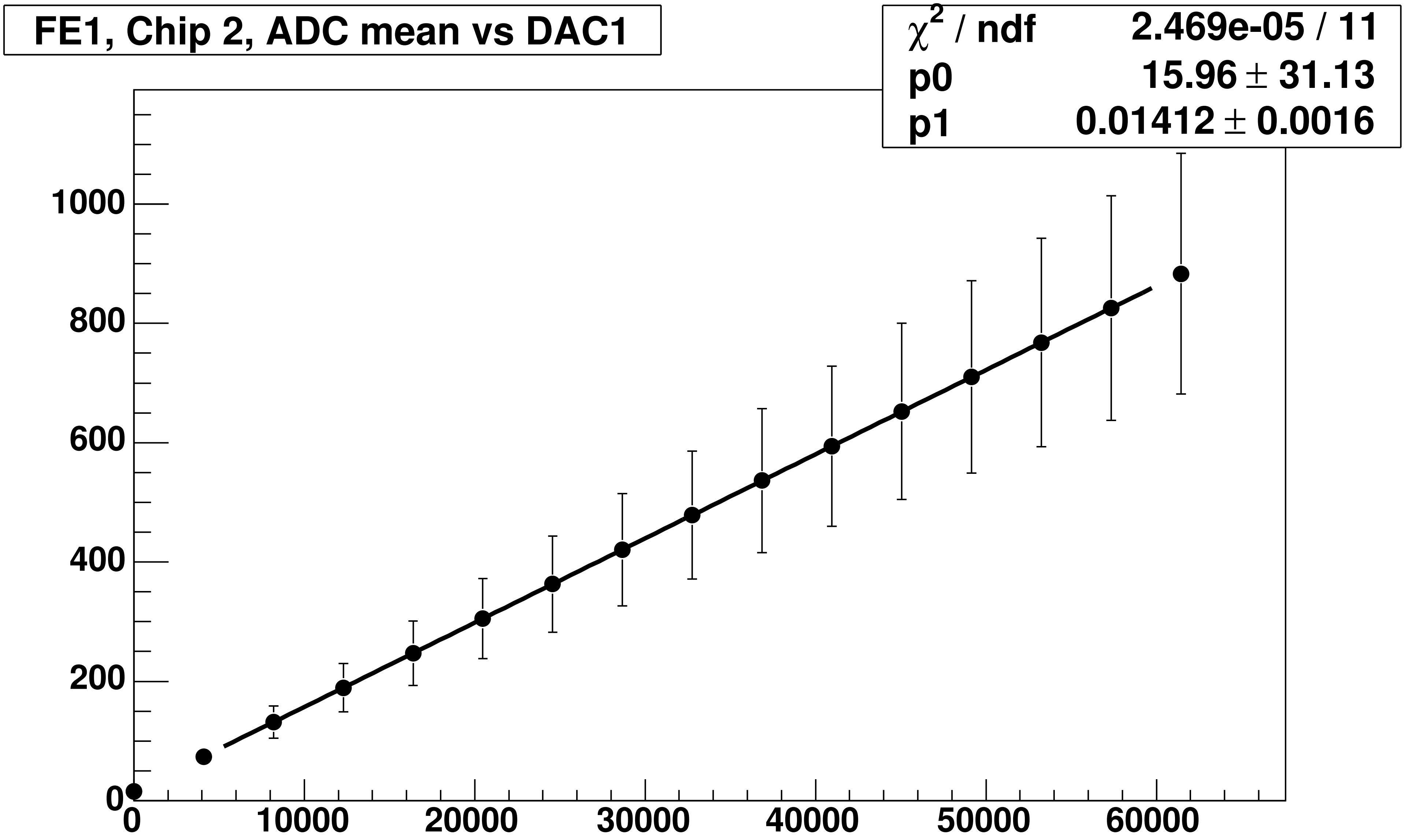


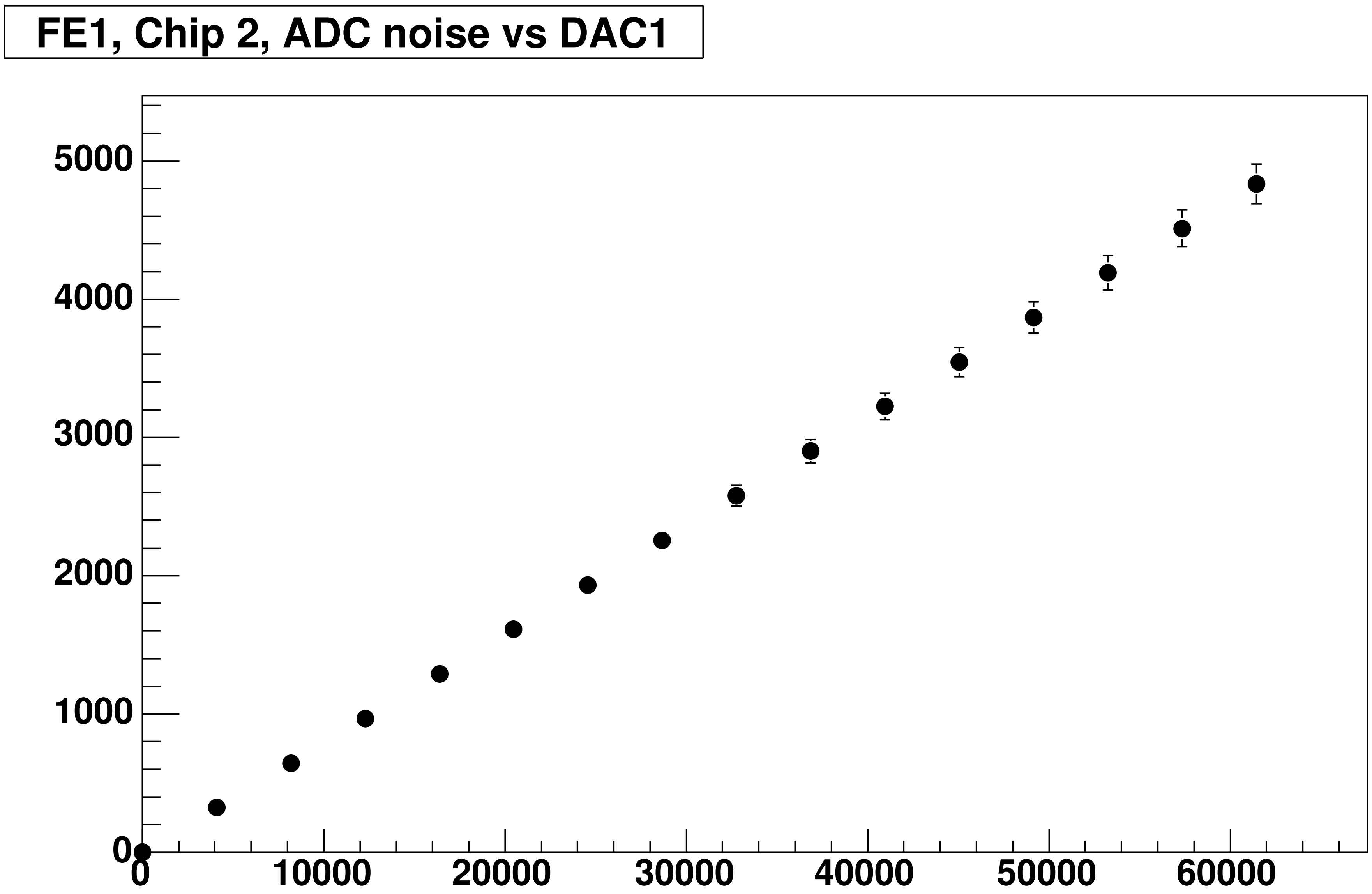
FE1, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

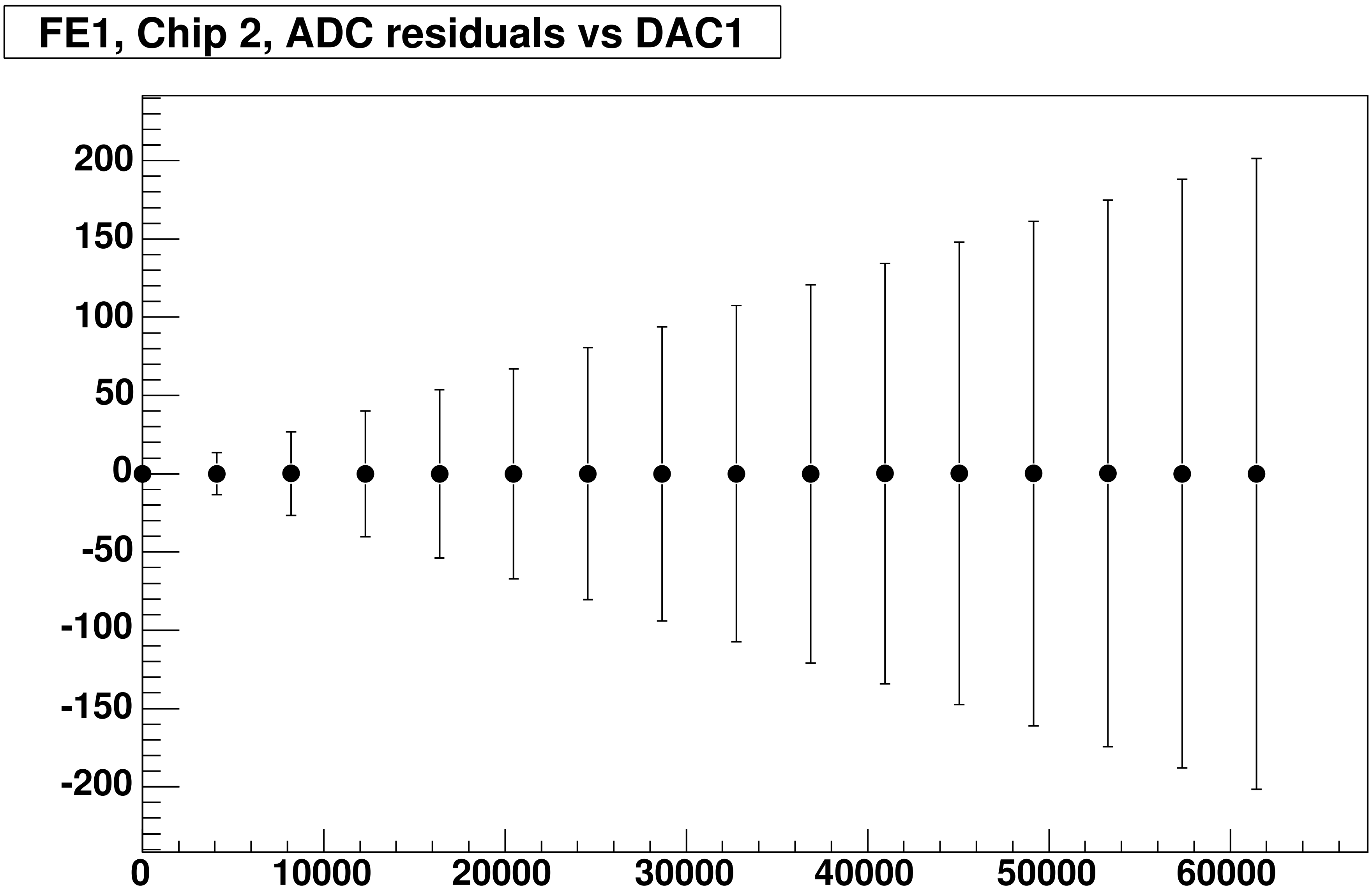

FE1, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001419 / 11
p0 15.52 ± 31.14
p1 0.4377 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

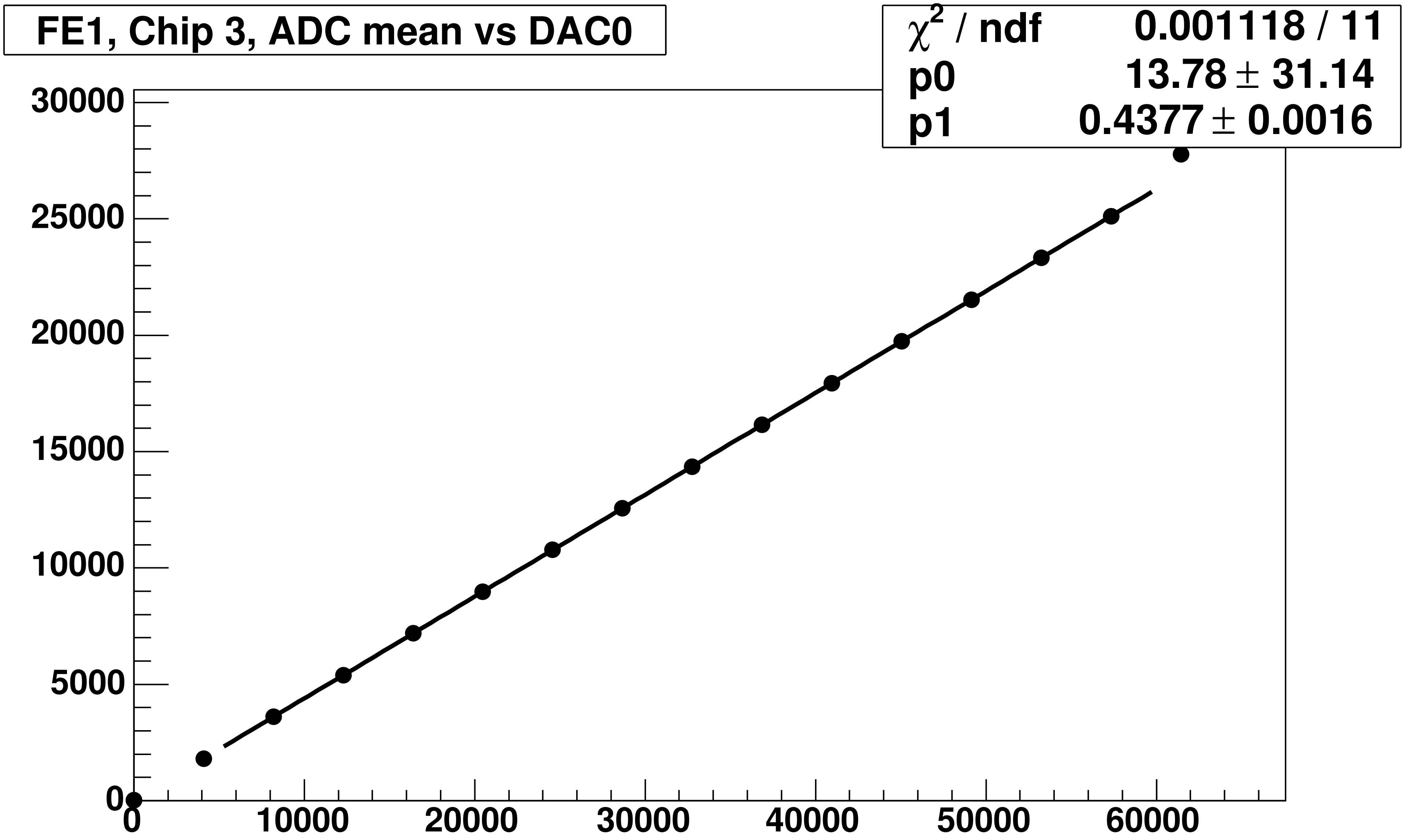

FE1, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

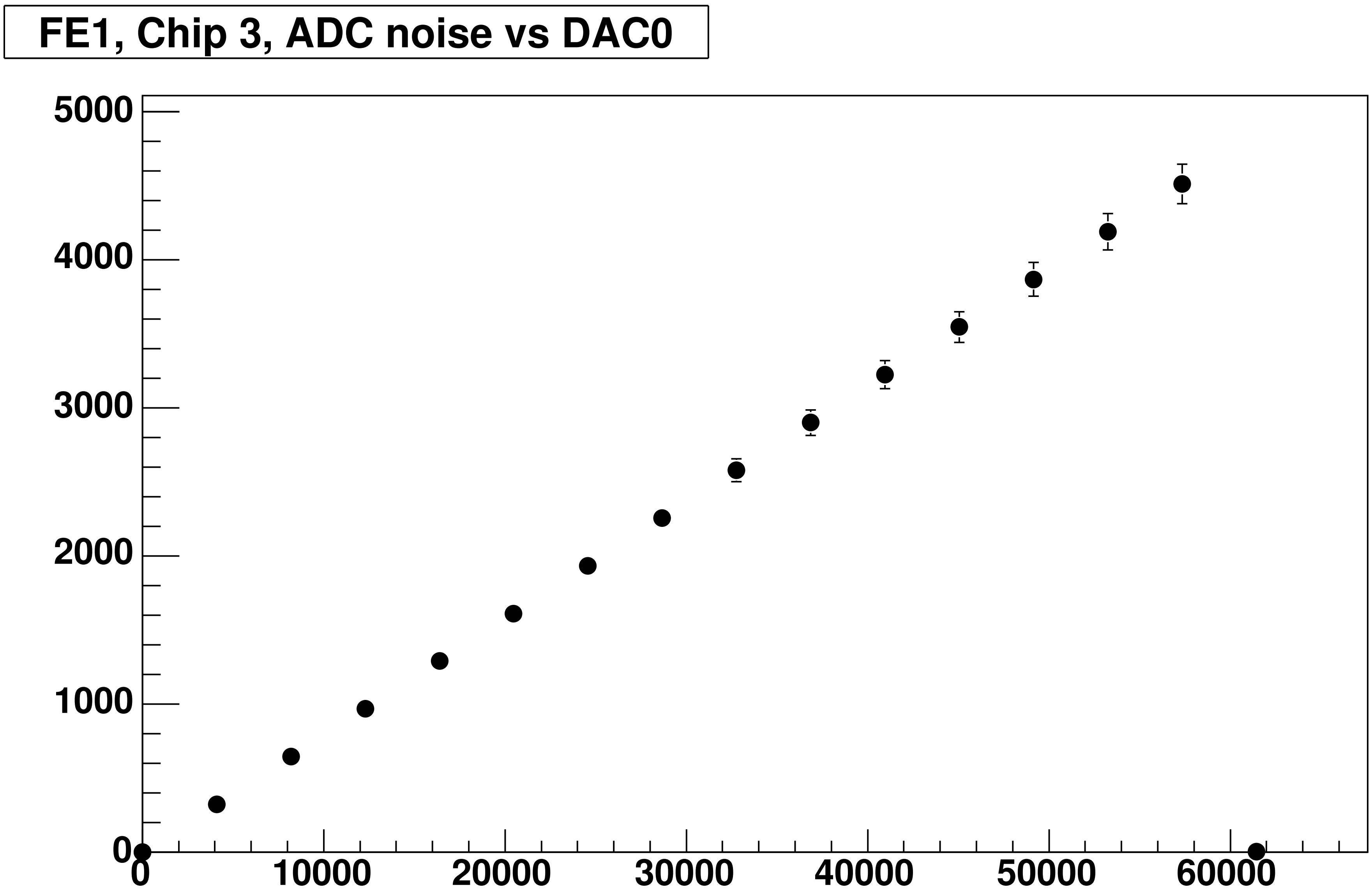

FE1, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.469e-05 / 11
p0 15.96 ± 31.13
p1 0.01412 ± 0.0016
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

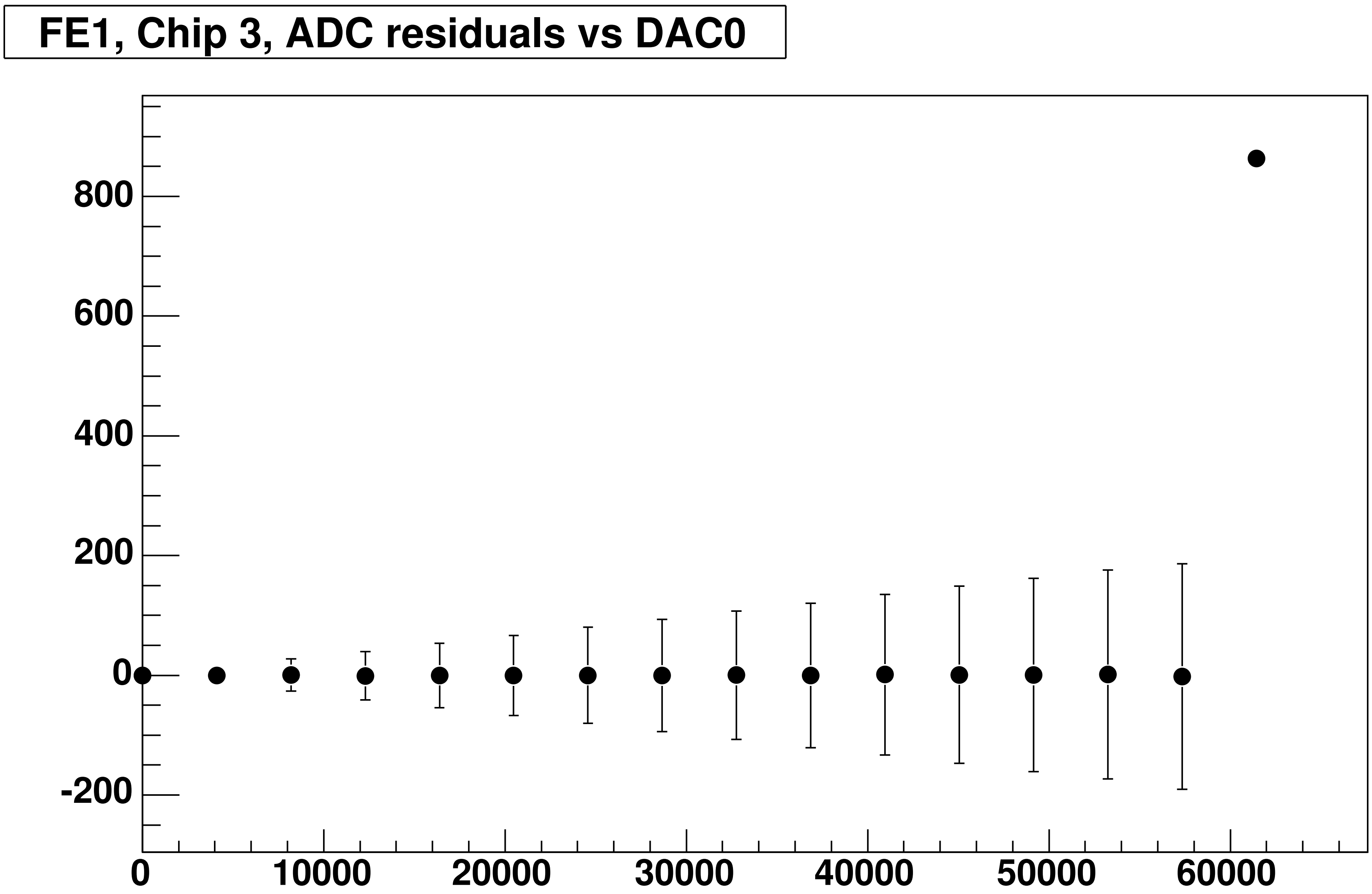

FE1, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

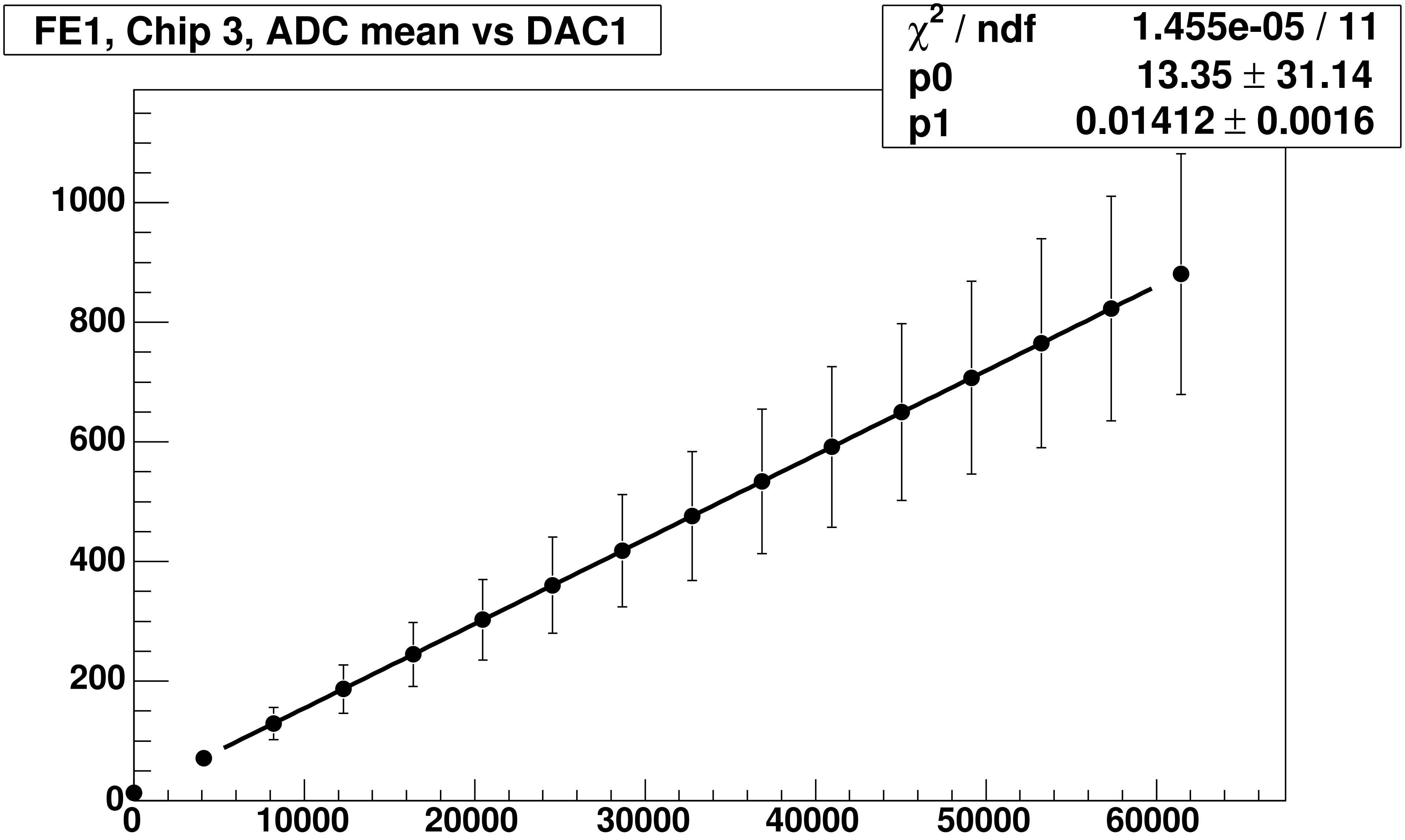


FE1, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

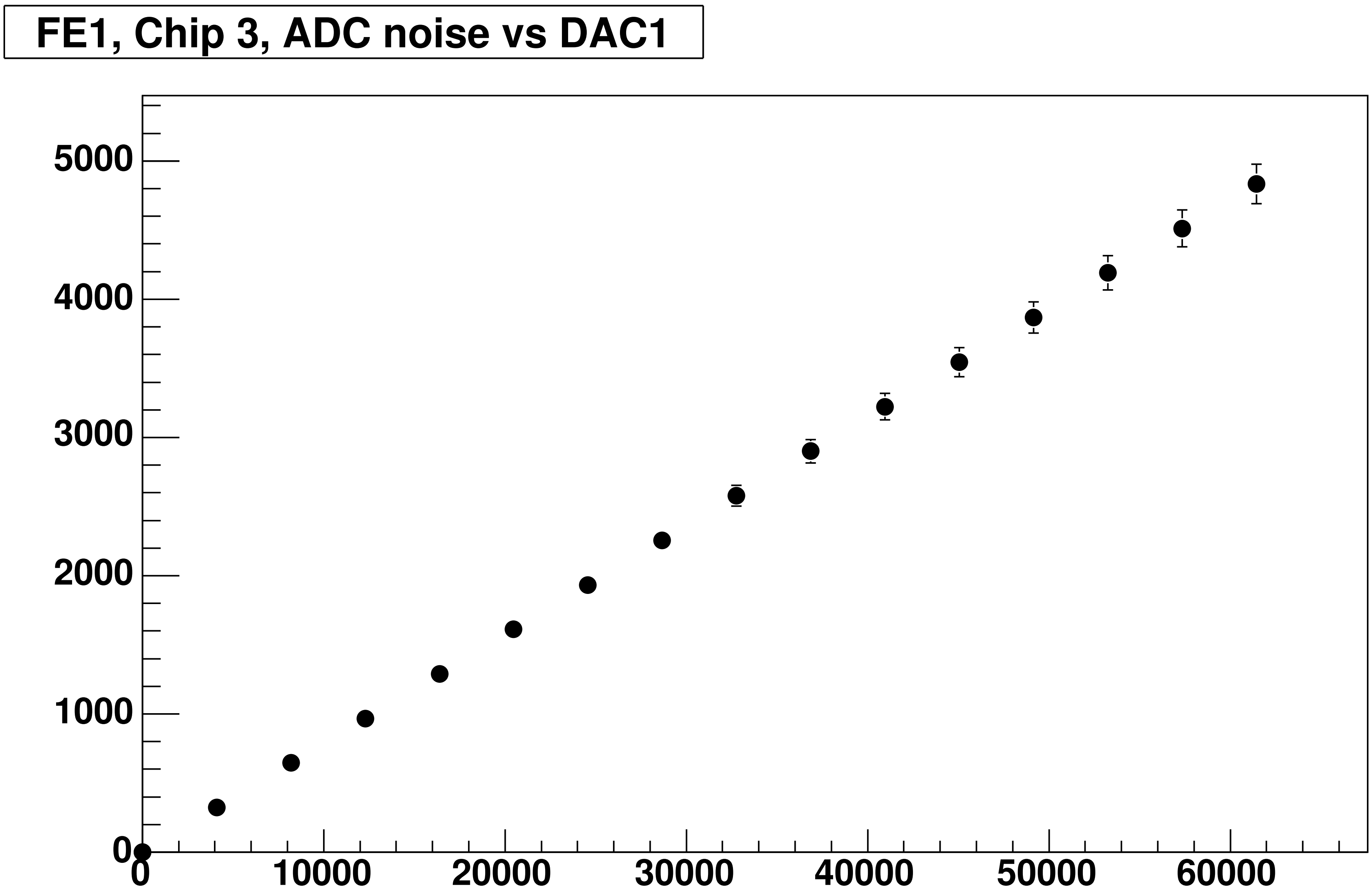

FE1, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.001118 / 11
p0 13.78 ± 31.14
p1 0.4377 ± 0.0016
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


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

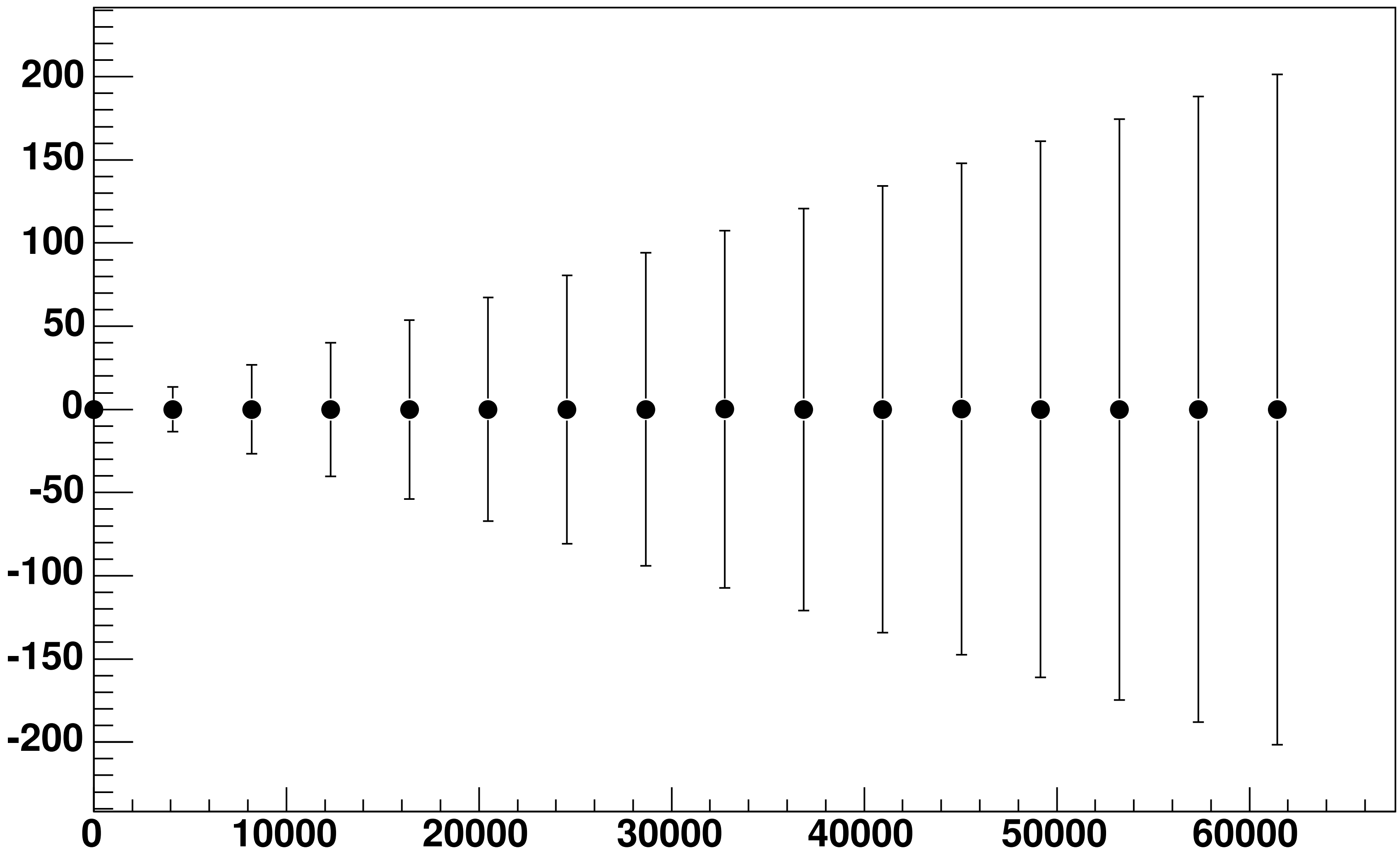

FE1, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

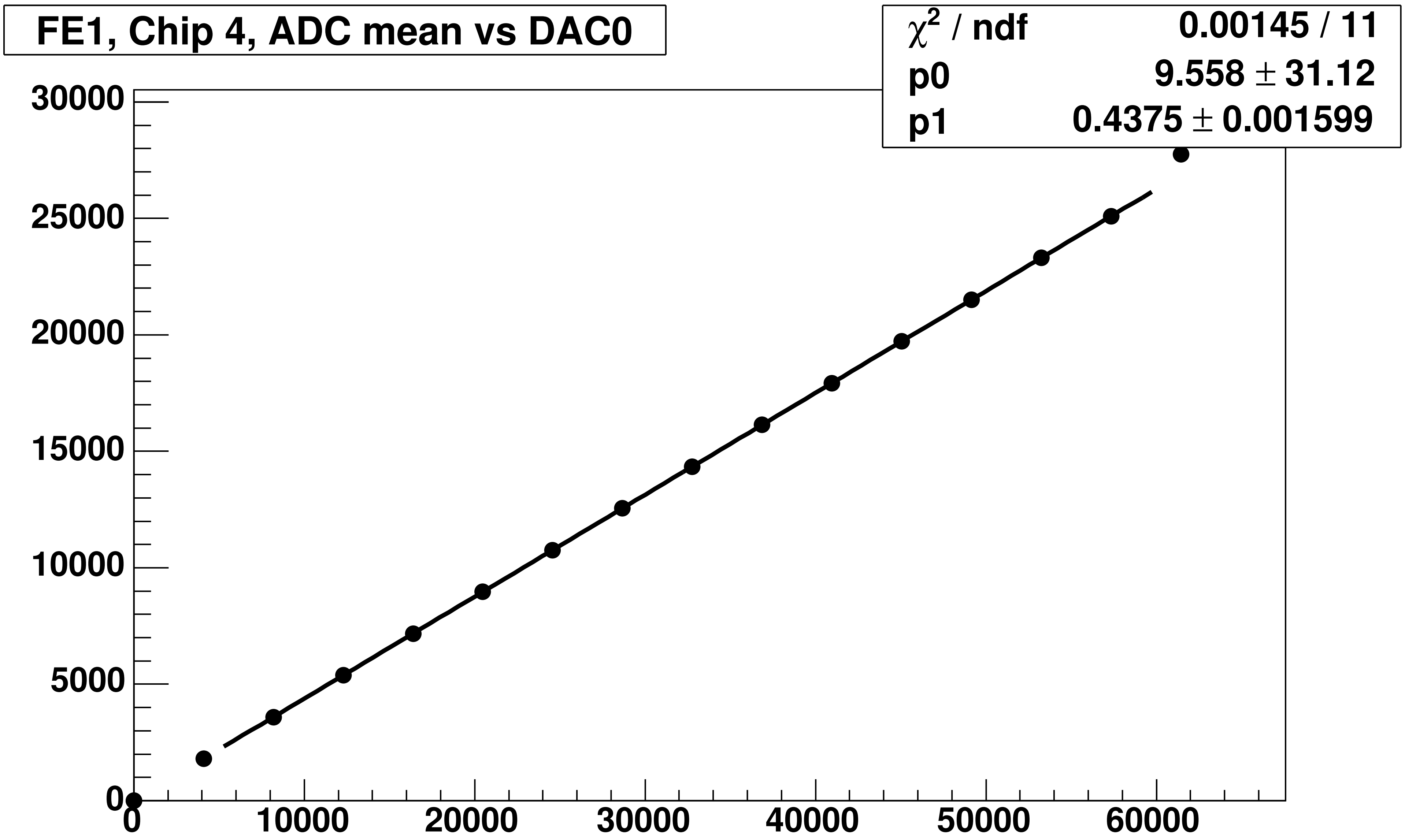


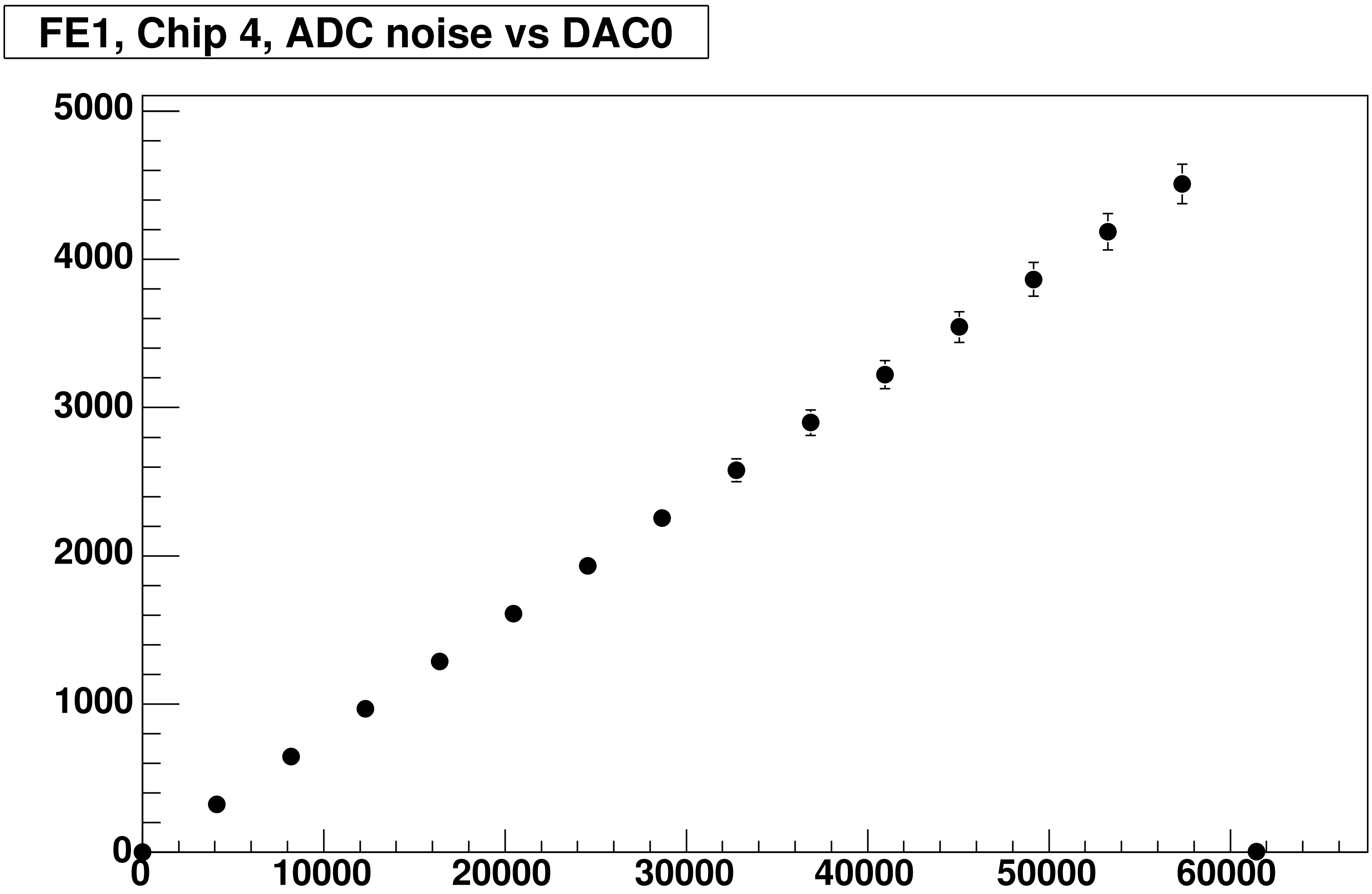
FE1, Chip 3, ADC mean vs DAC1
χ² / ndf 1.455e-05 / 11
p0 13.35 ± 31.14
p1 0.01412 ± 0.0016
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

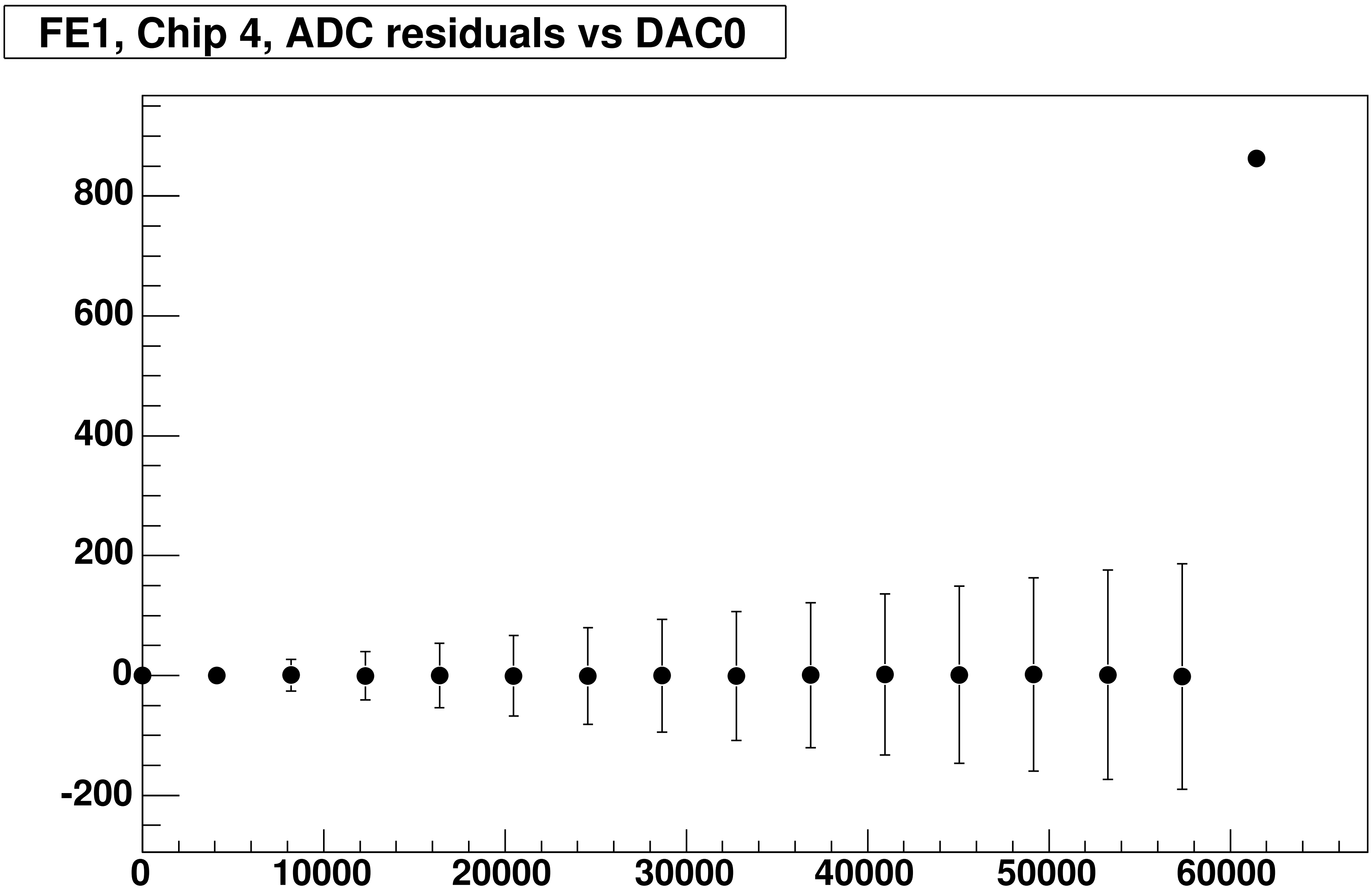
FE1, Chip 3, ADC residuals vs DAC1

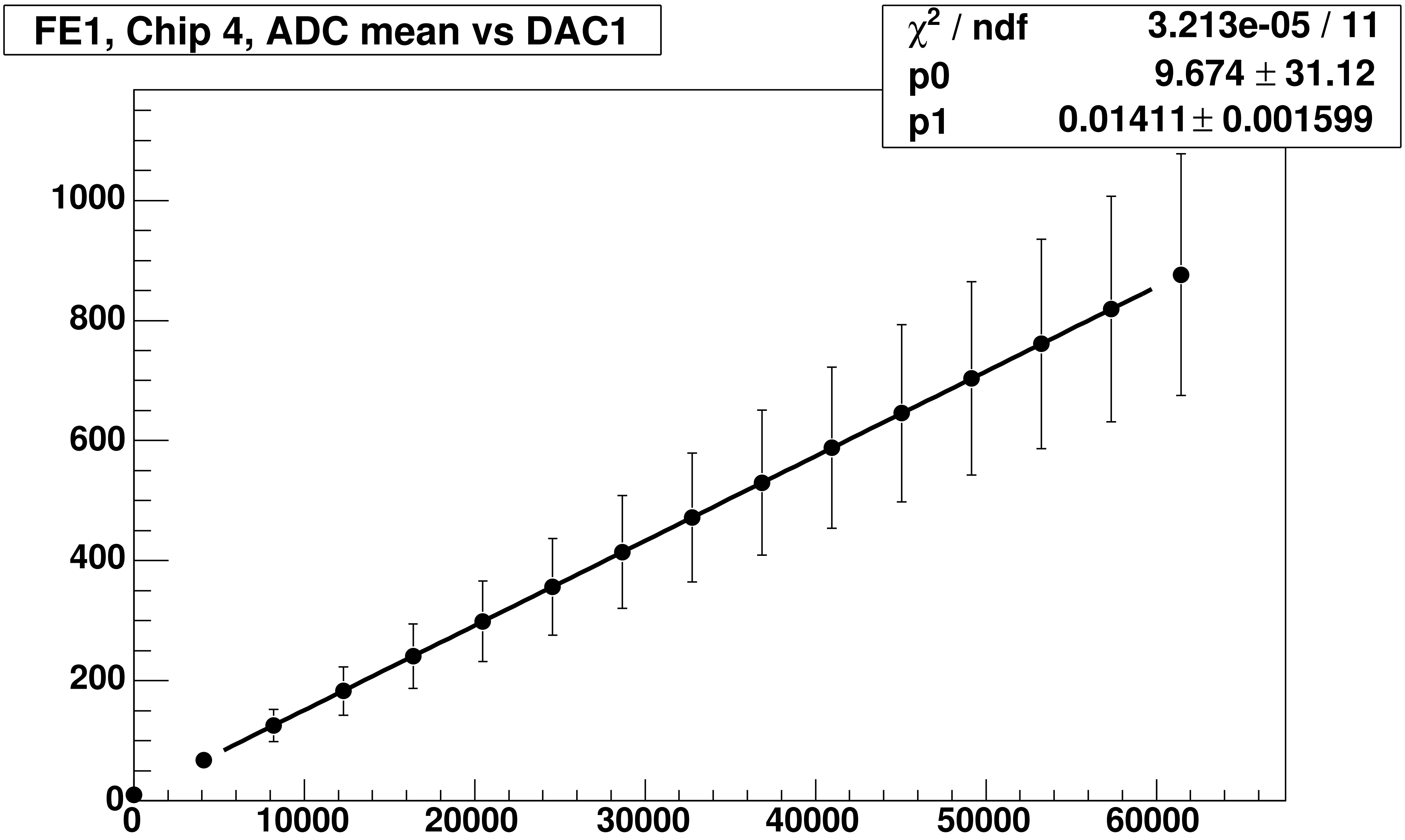


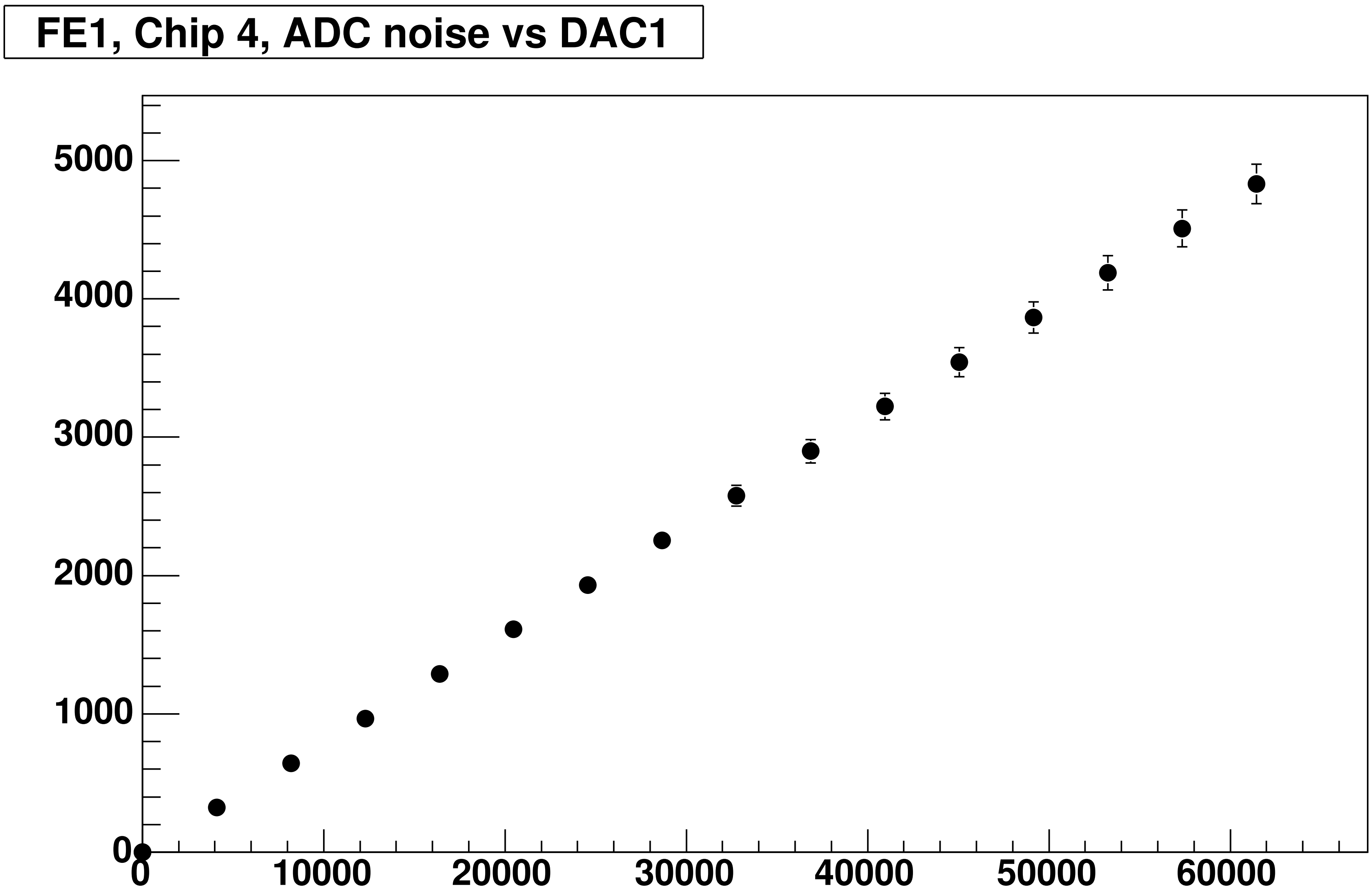

FE1, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.00145 / 11
p0 9.558 ± 31.12
p1 0.4375 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



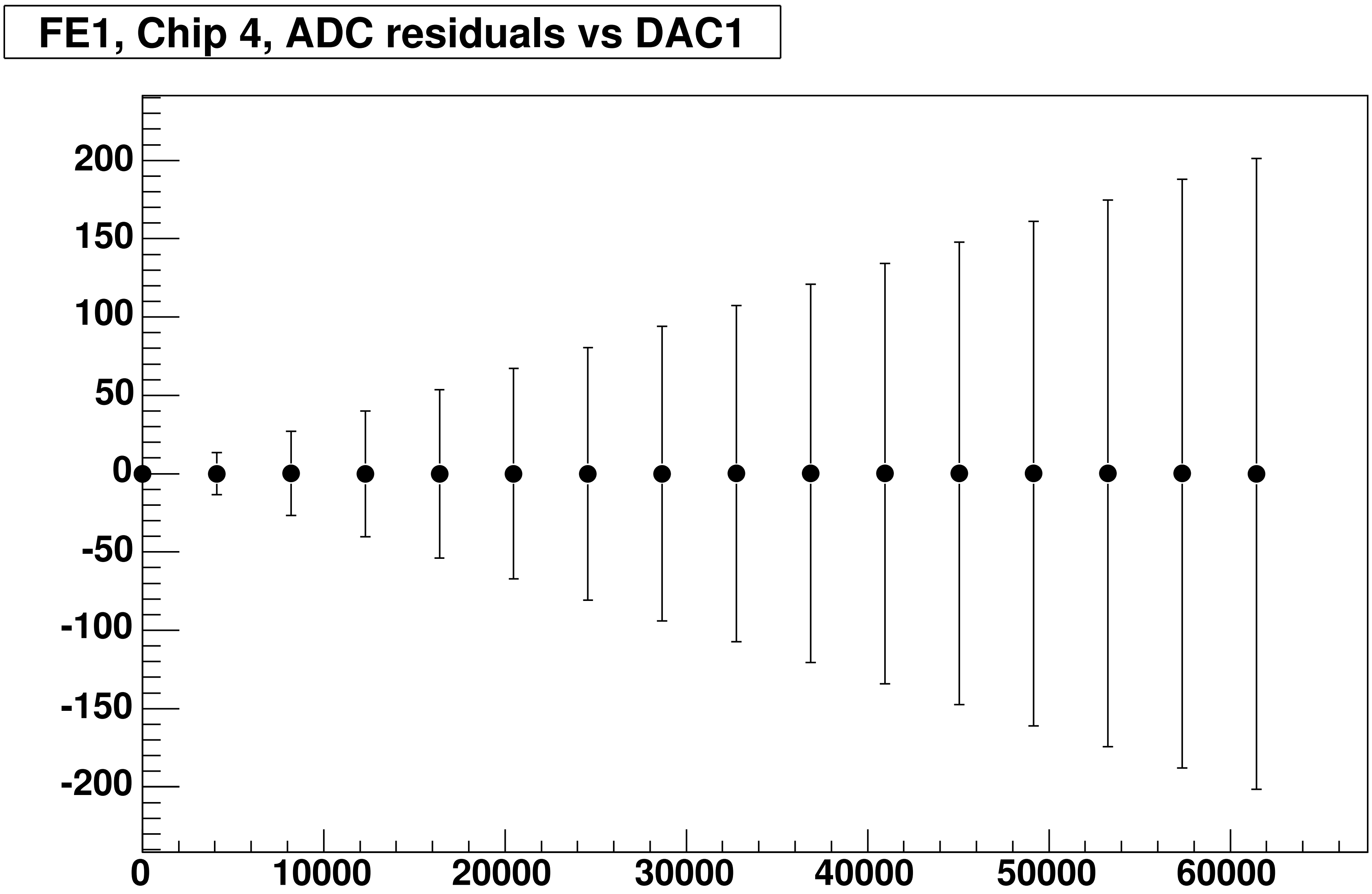
FE1, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

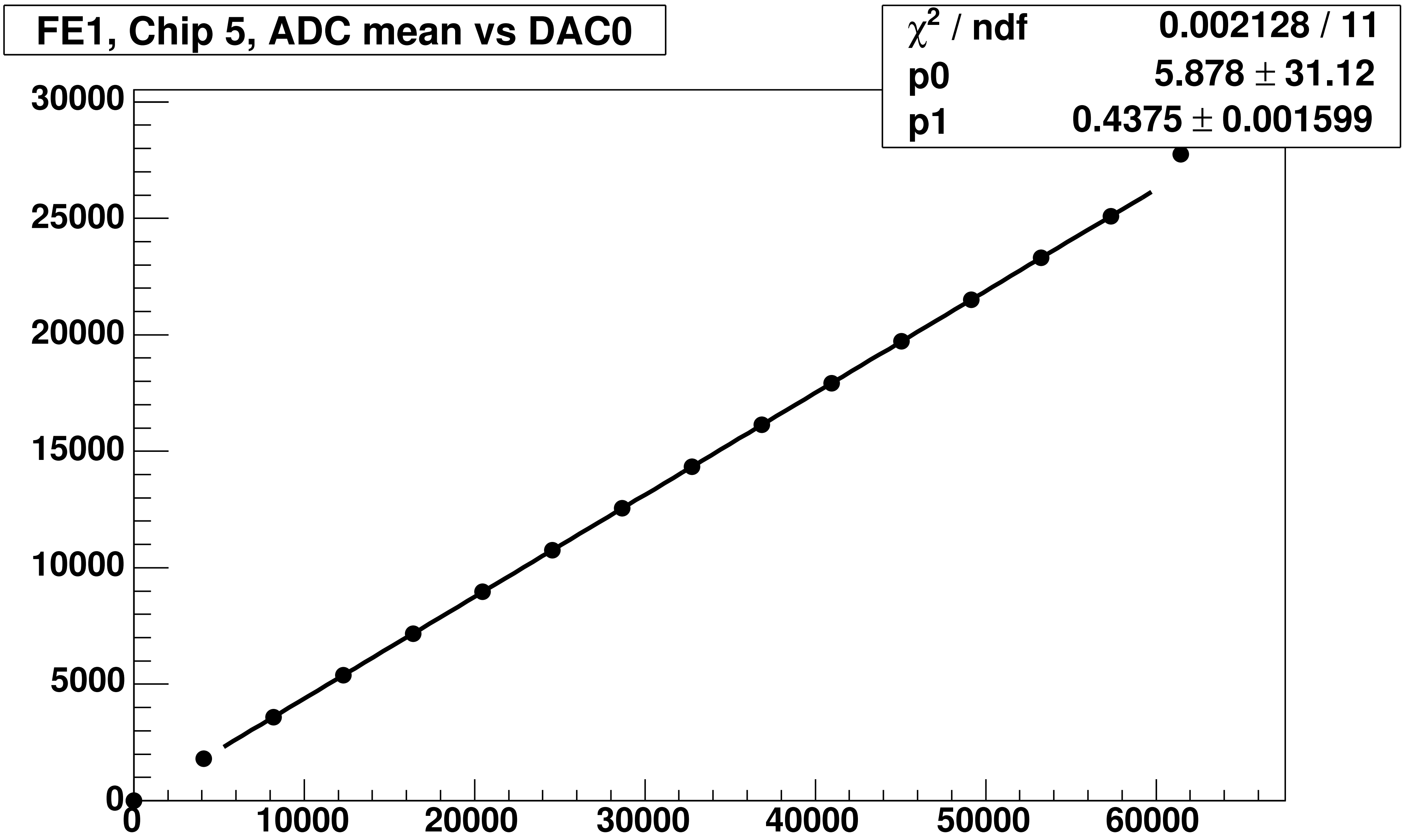

FE1, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE1, Chip 4, ADC mean vs DAC1
χ2 / ndf 3.213e-05 / 11
p0 9.674 ± 31.12
p1 0.01411 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

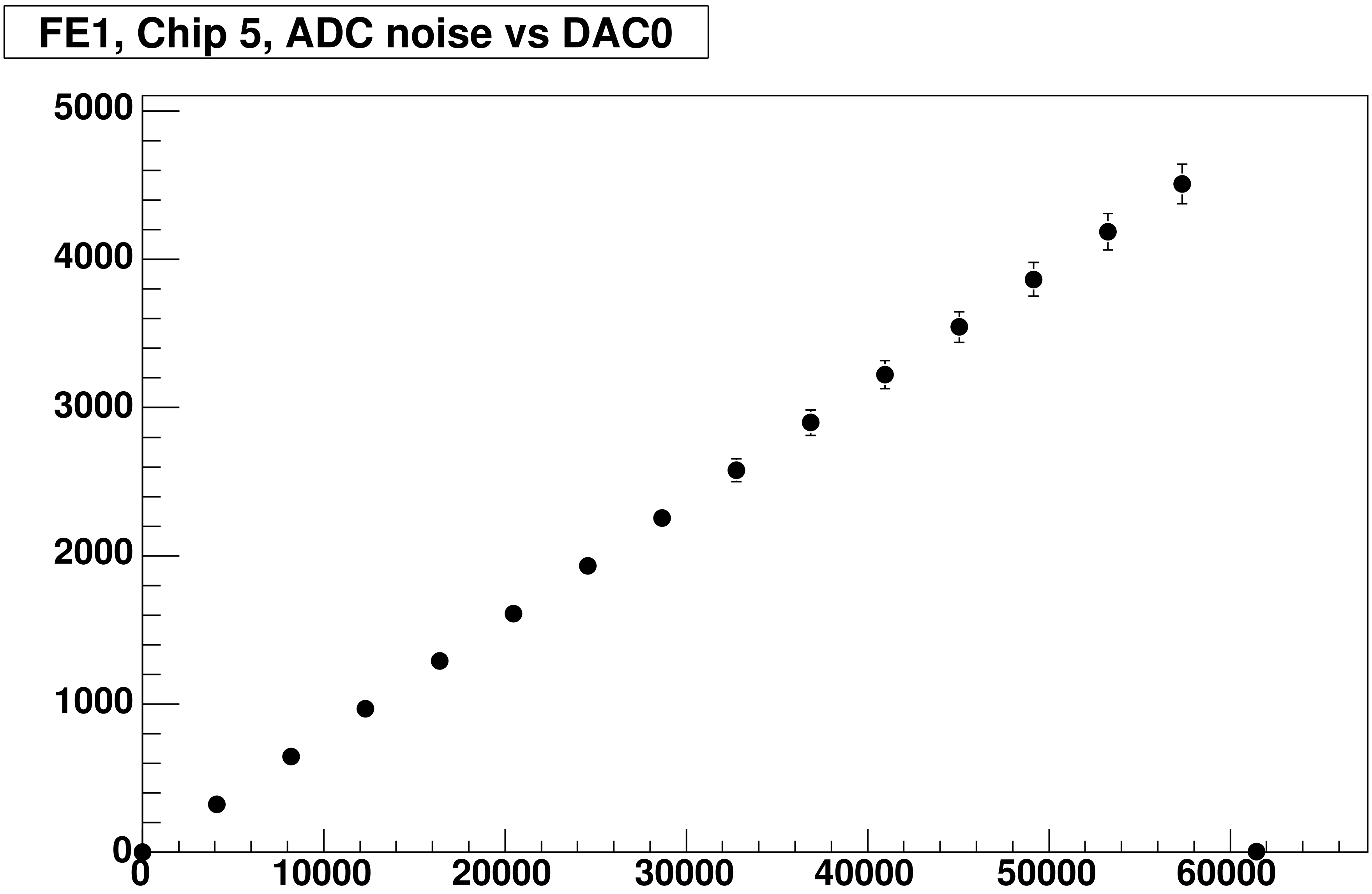


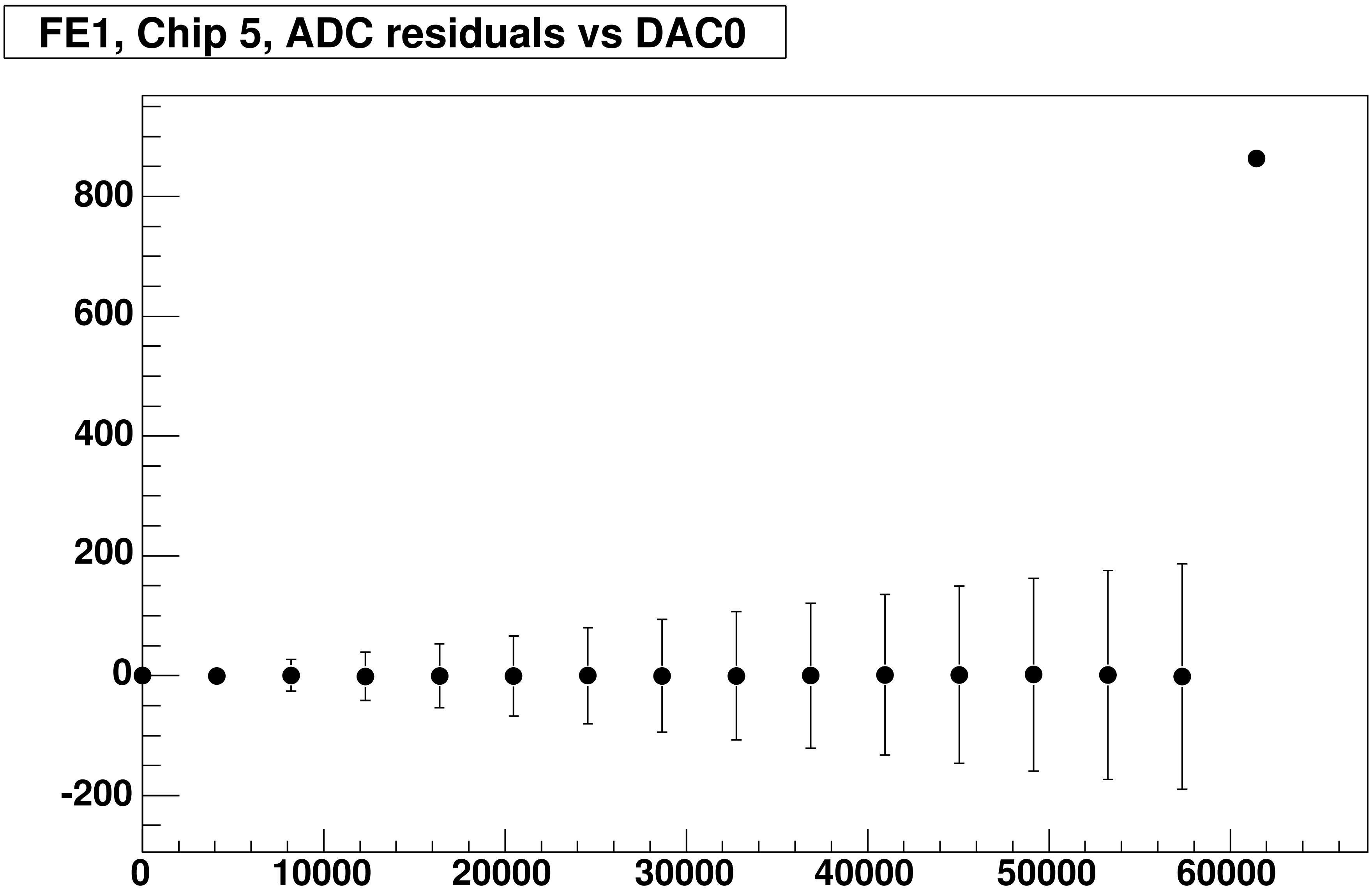
FE1, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

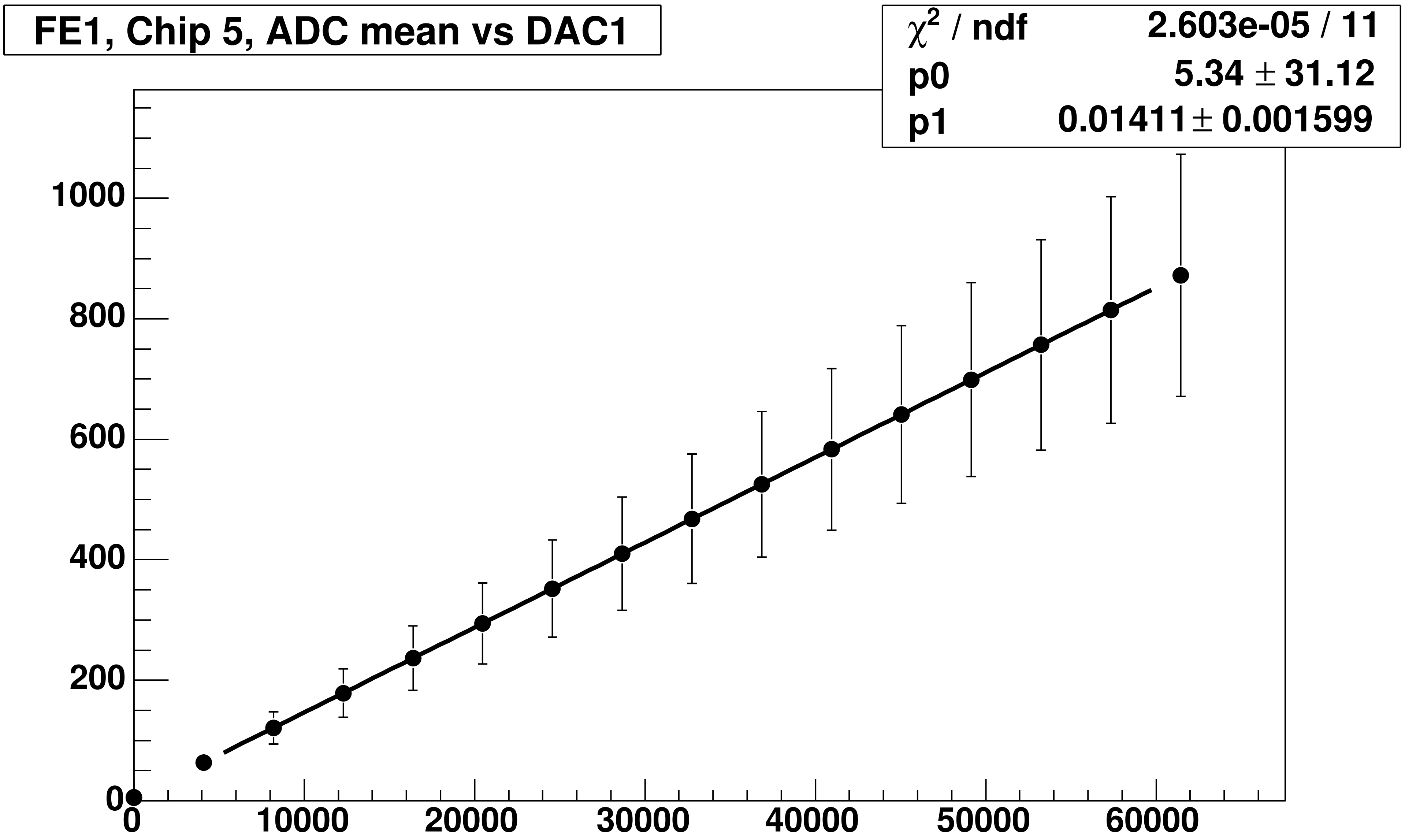

FE1, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



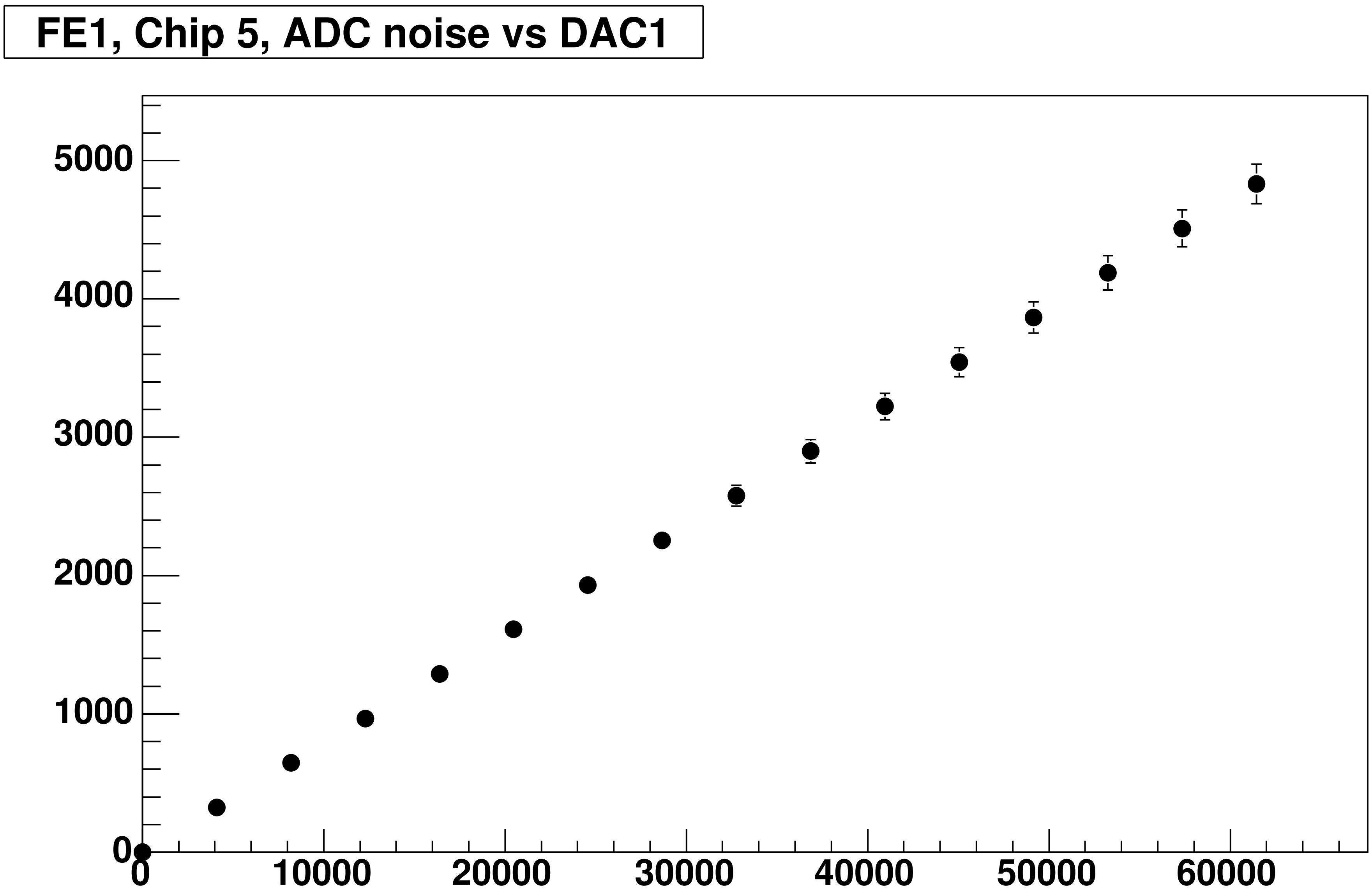
FE1, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.002128 / 11
p0 5.878 ± 31.12
p1 0.4375 ± 0.001599
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

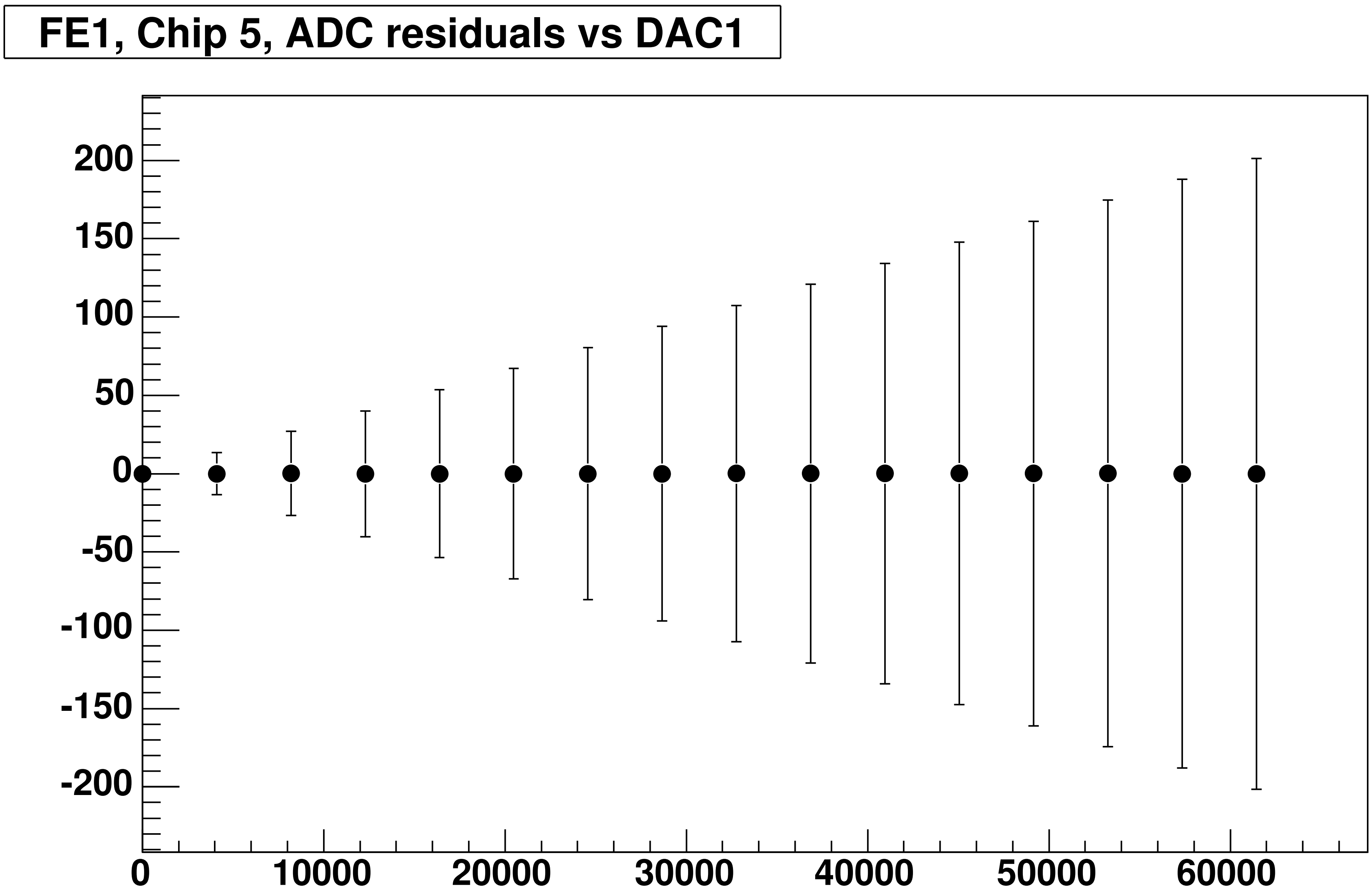

FE1, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

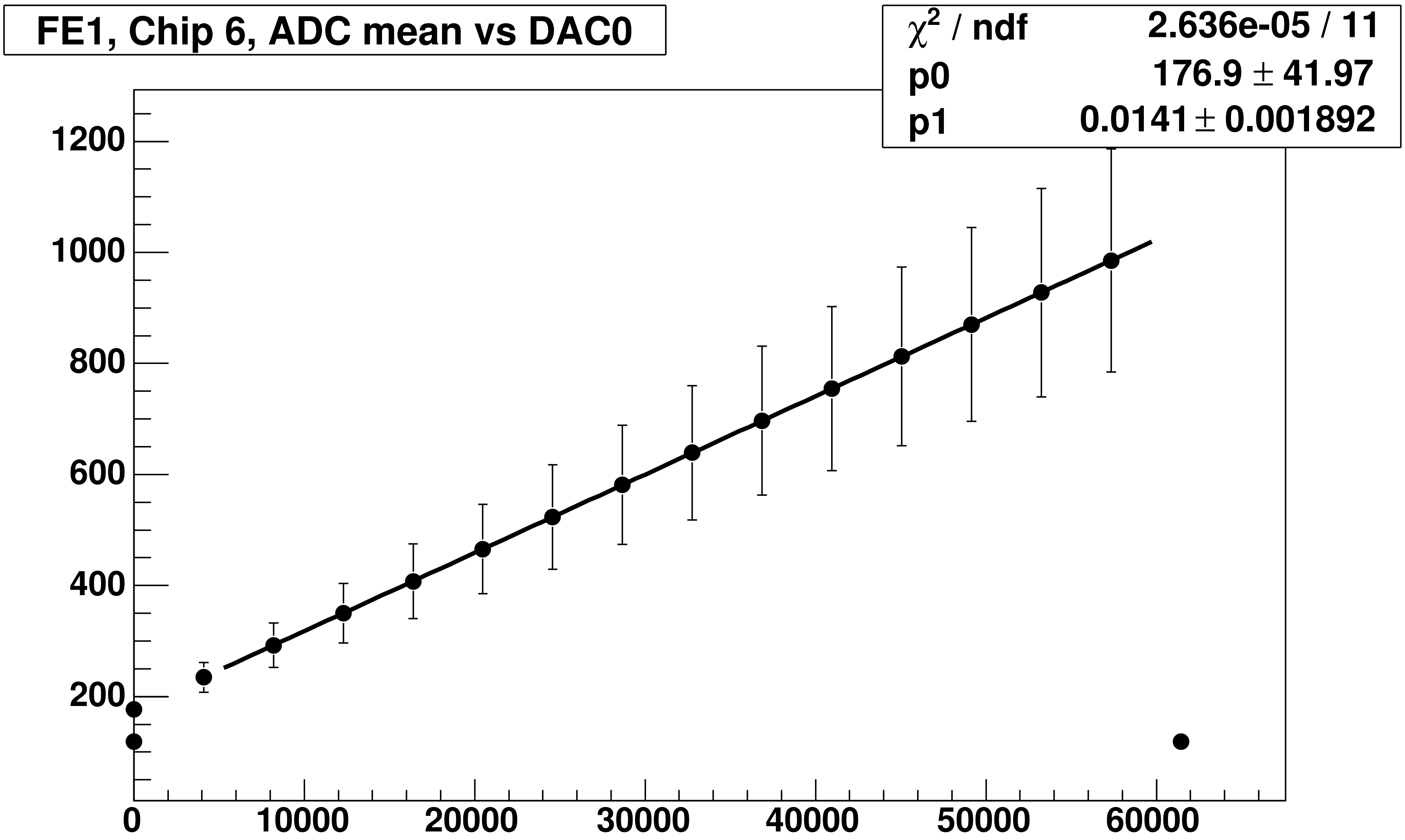

FE1, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

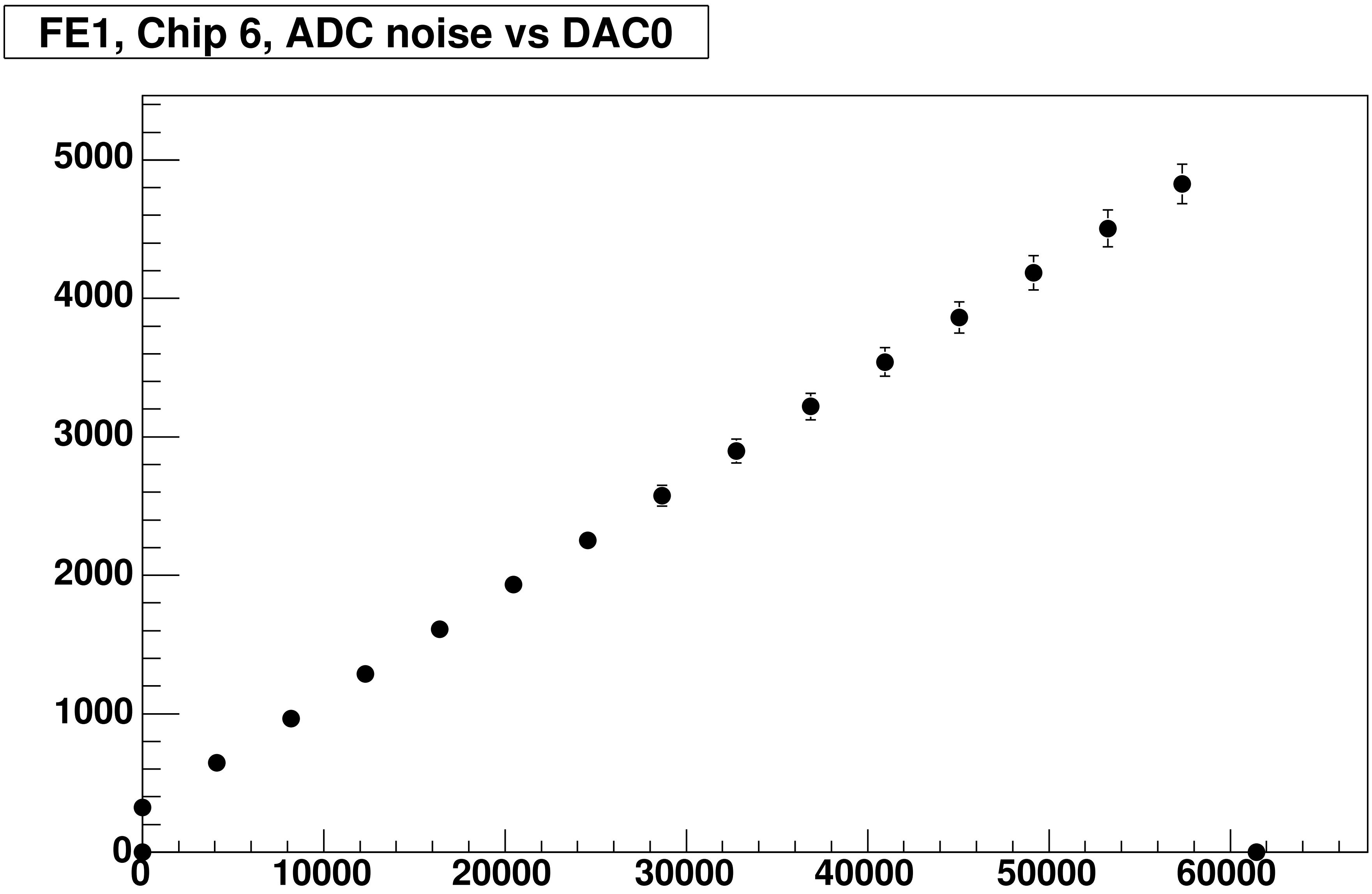


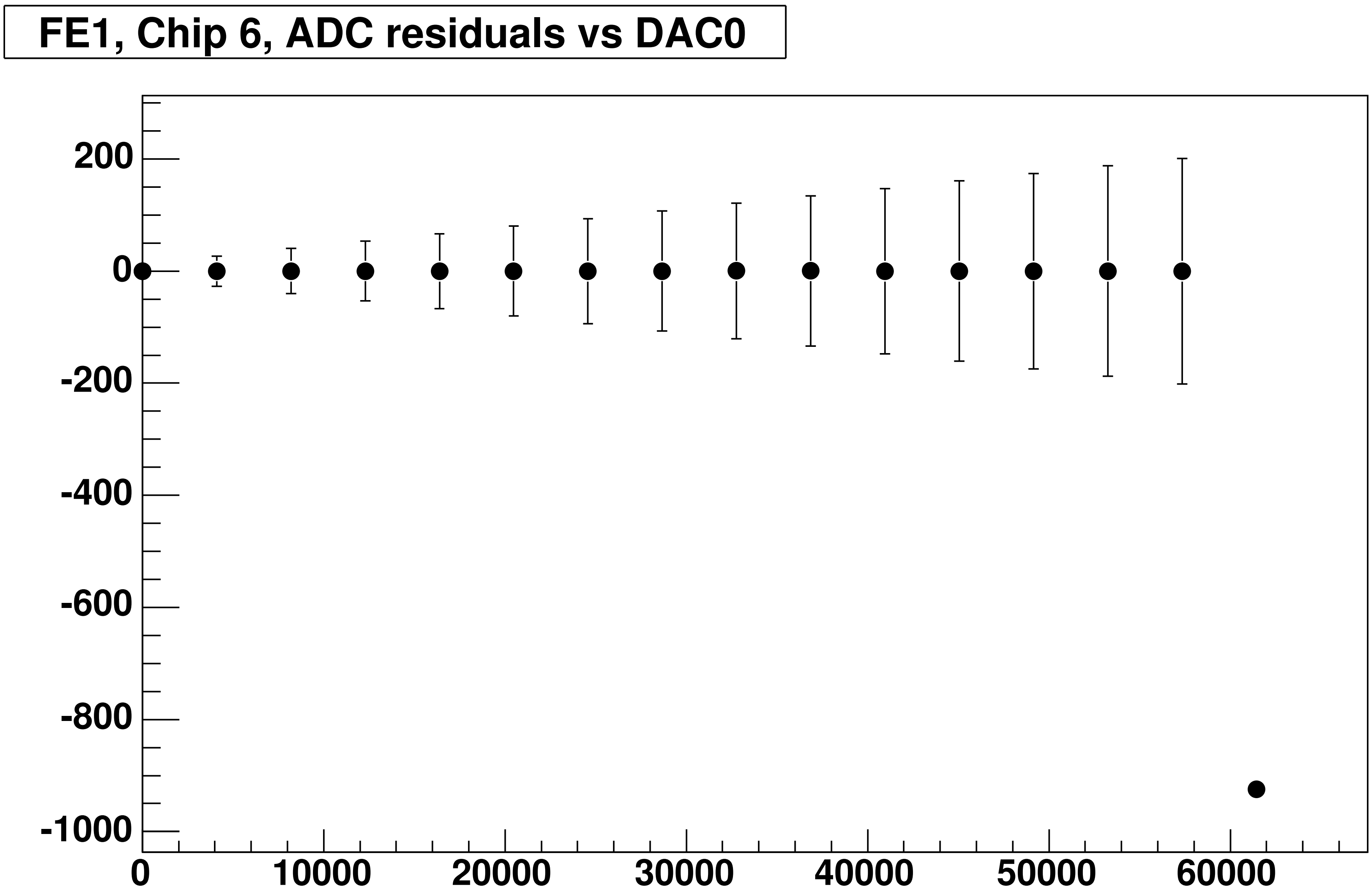
FE1, Chip 5, ADC mean vs DAC1
χ^2 / ndf 2.603e-05 / 11
p0 5.34 ± 31.12
p1 0.01411 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

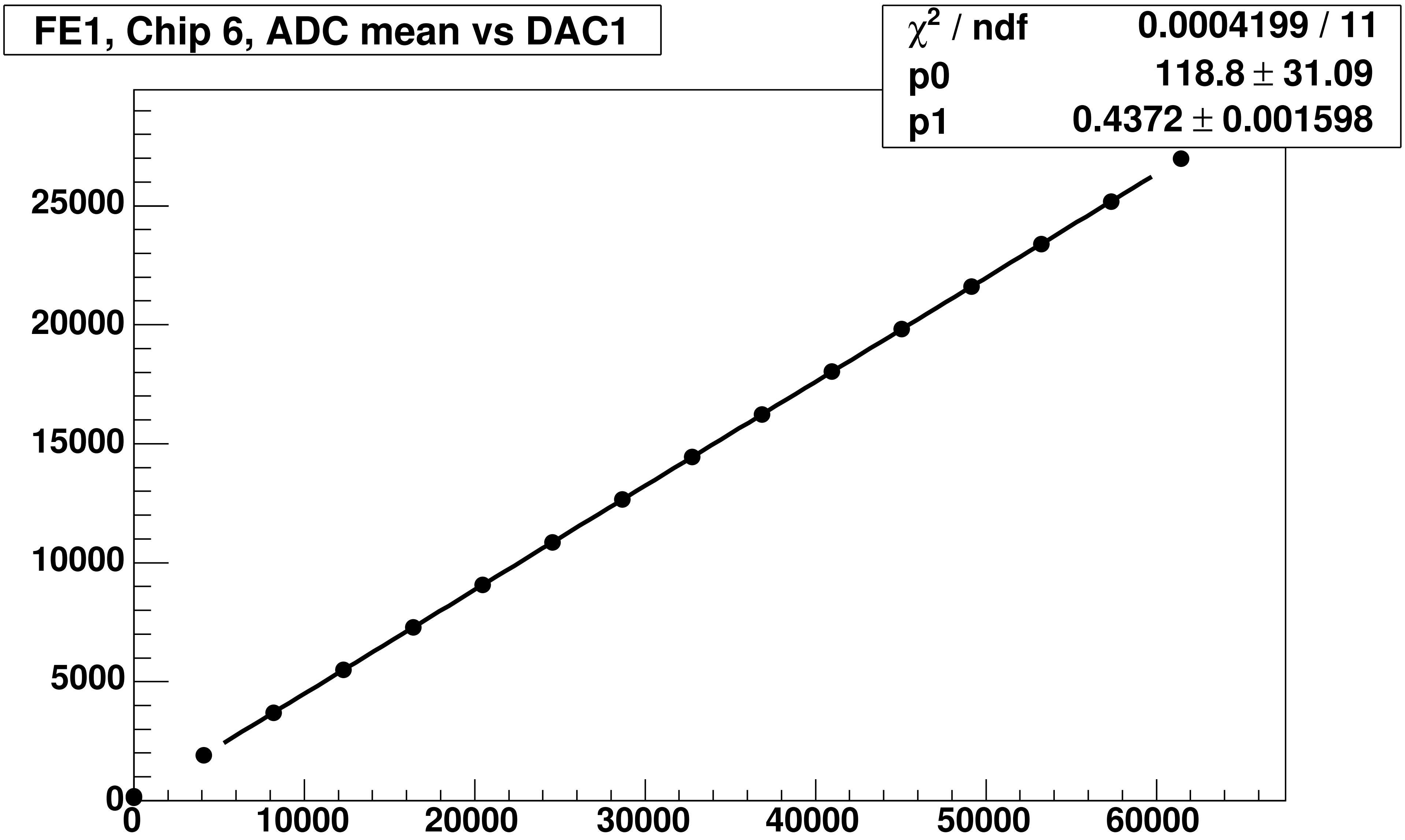

FE1, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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
χ^2 / ndf 2.636e-05 / 11
p0 176.9 ± 41.97
p1 0.0141 ± 0.001892
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

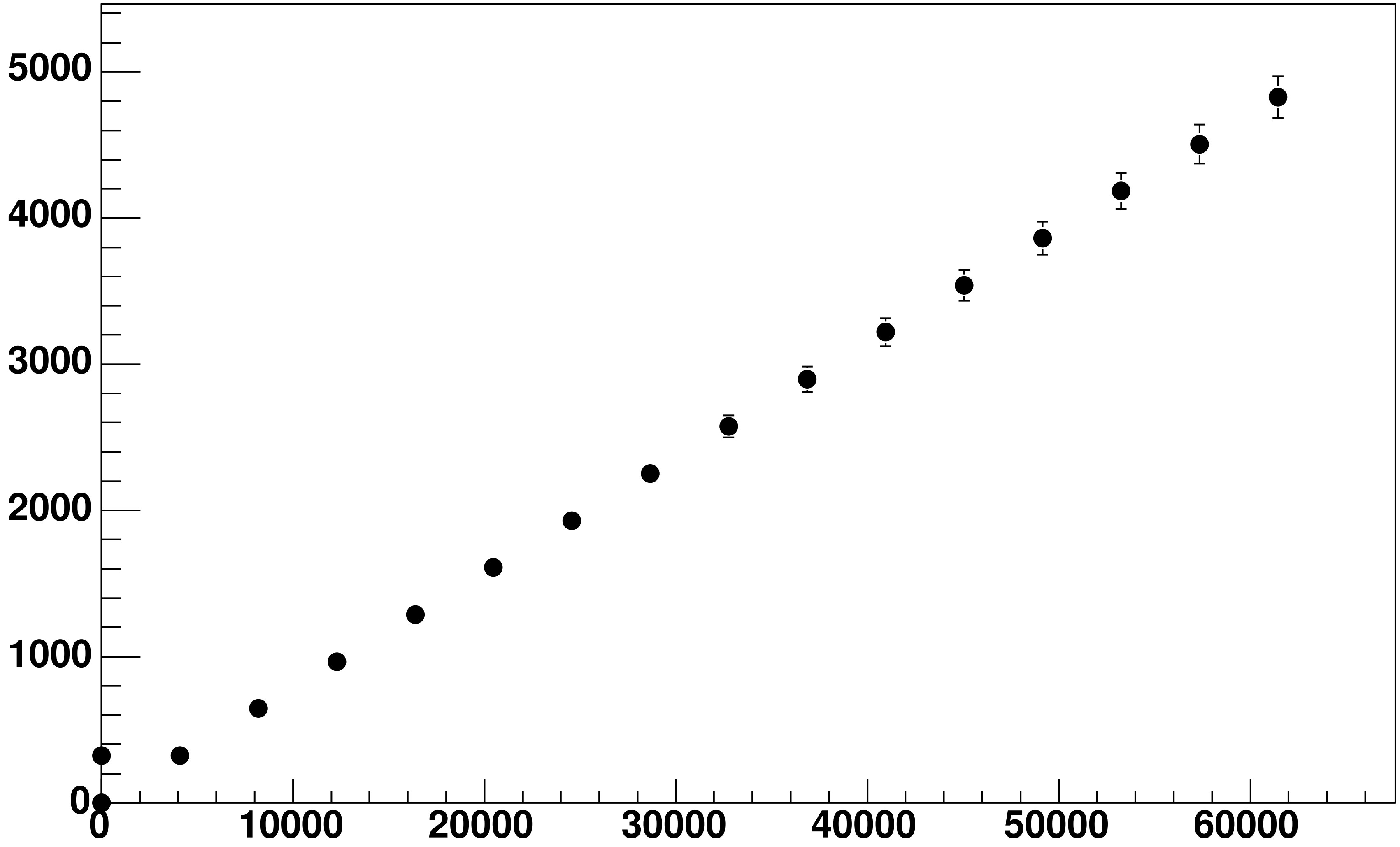

FE1, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

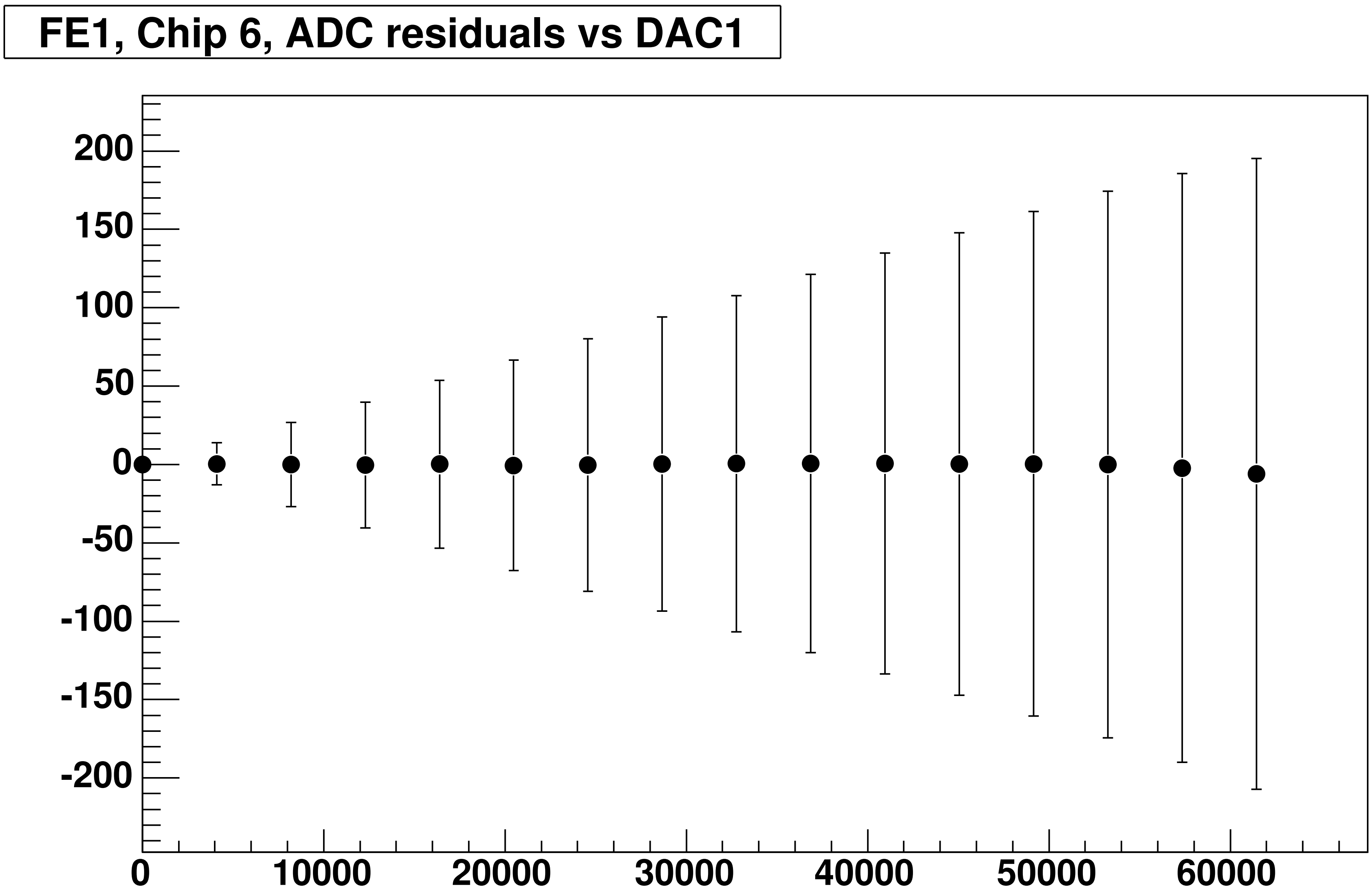

FE1, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

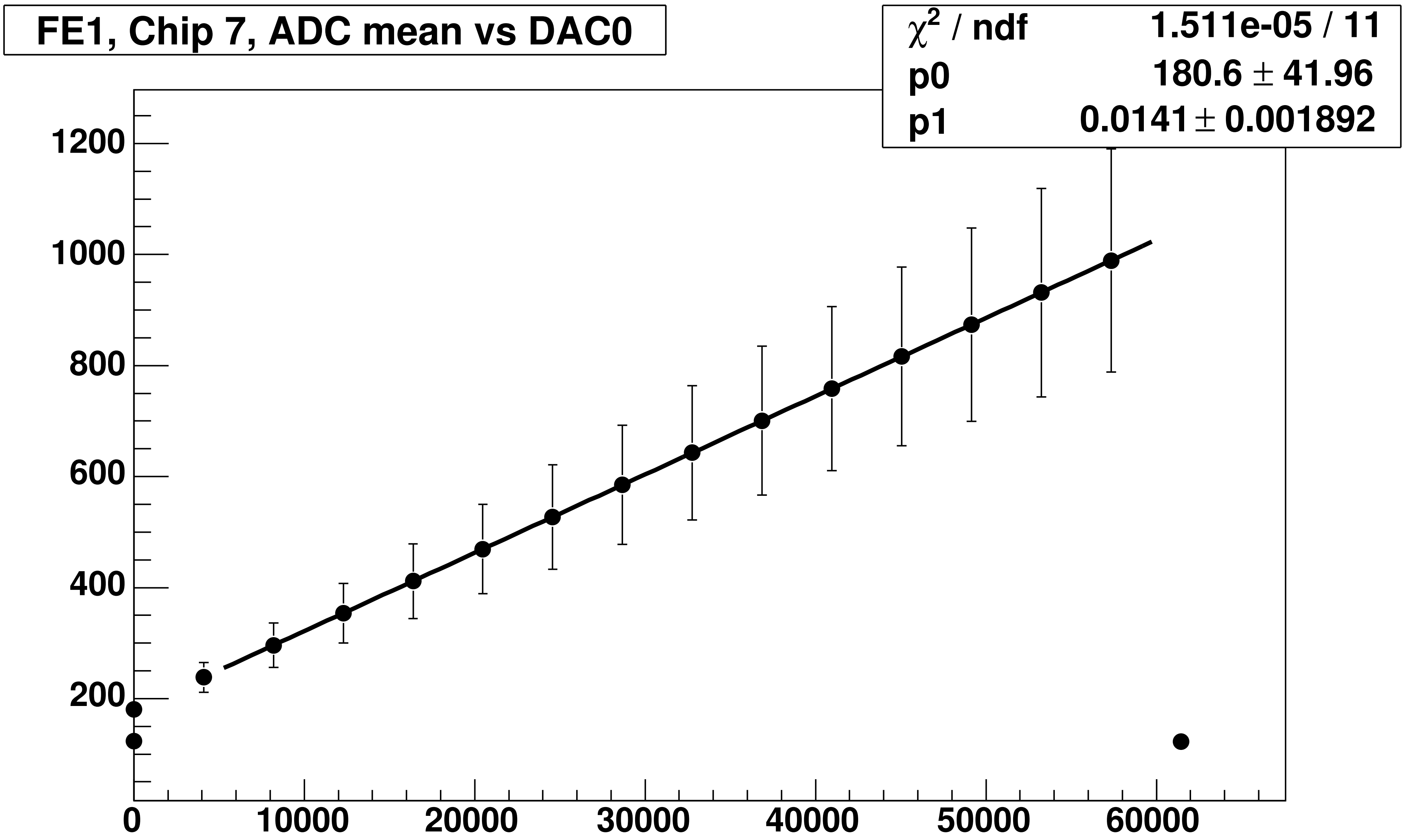


FE1, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.0004199 / 11
p0 118.8 ± 31.09
p1 0.4372 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

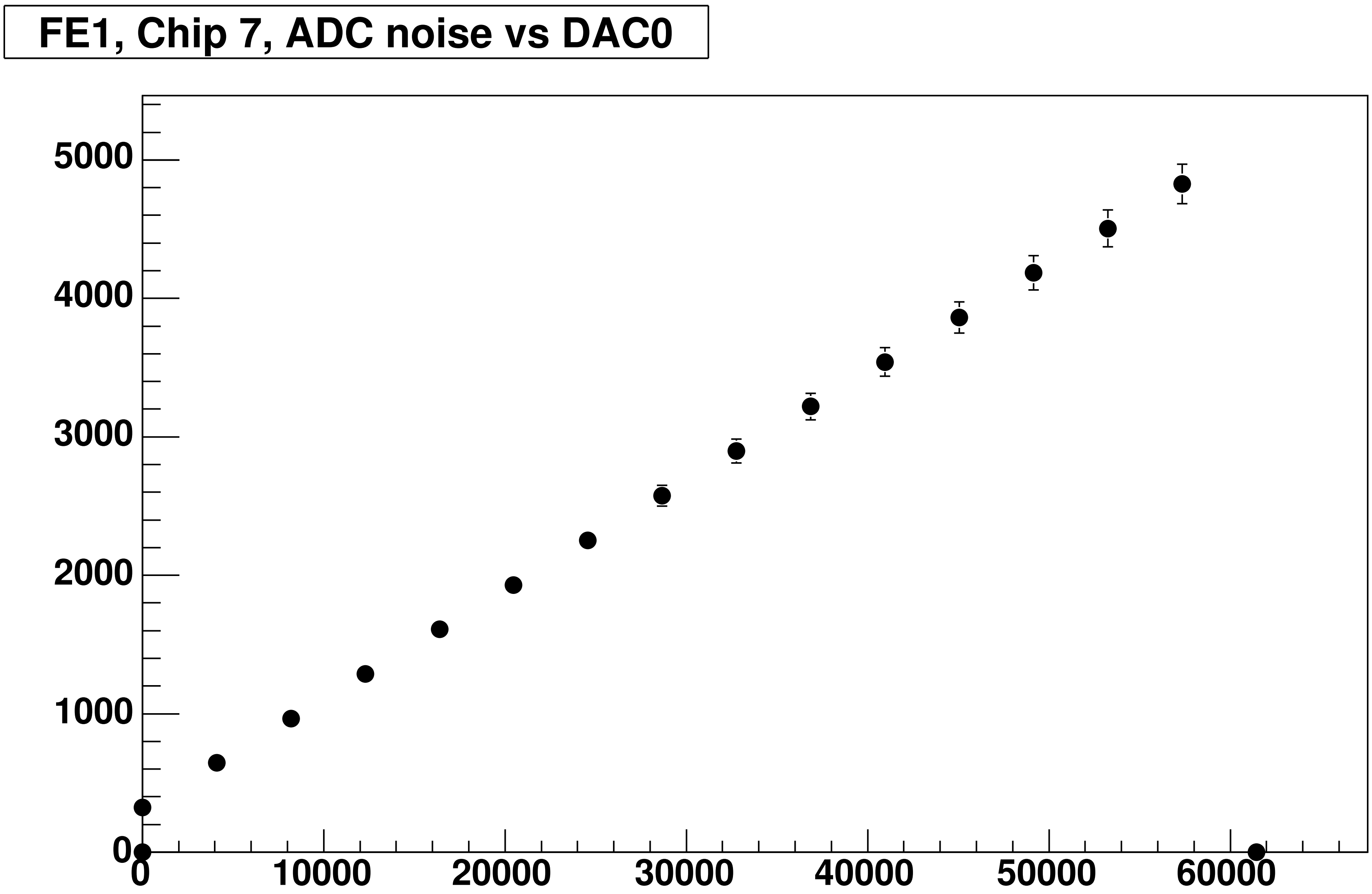
FE1, Chip 6, ADC noise vs DAC1

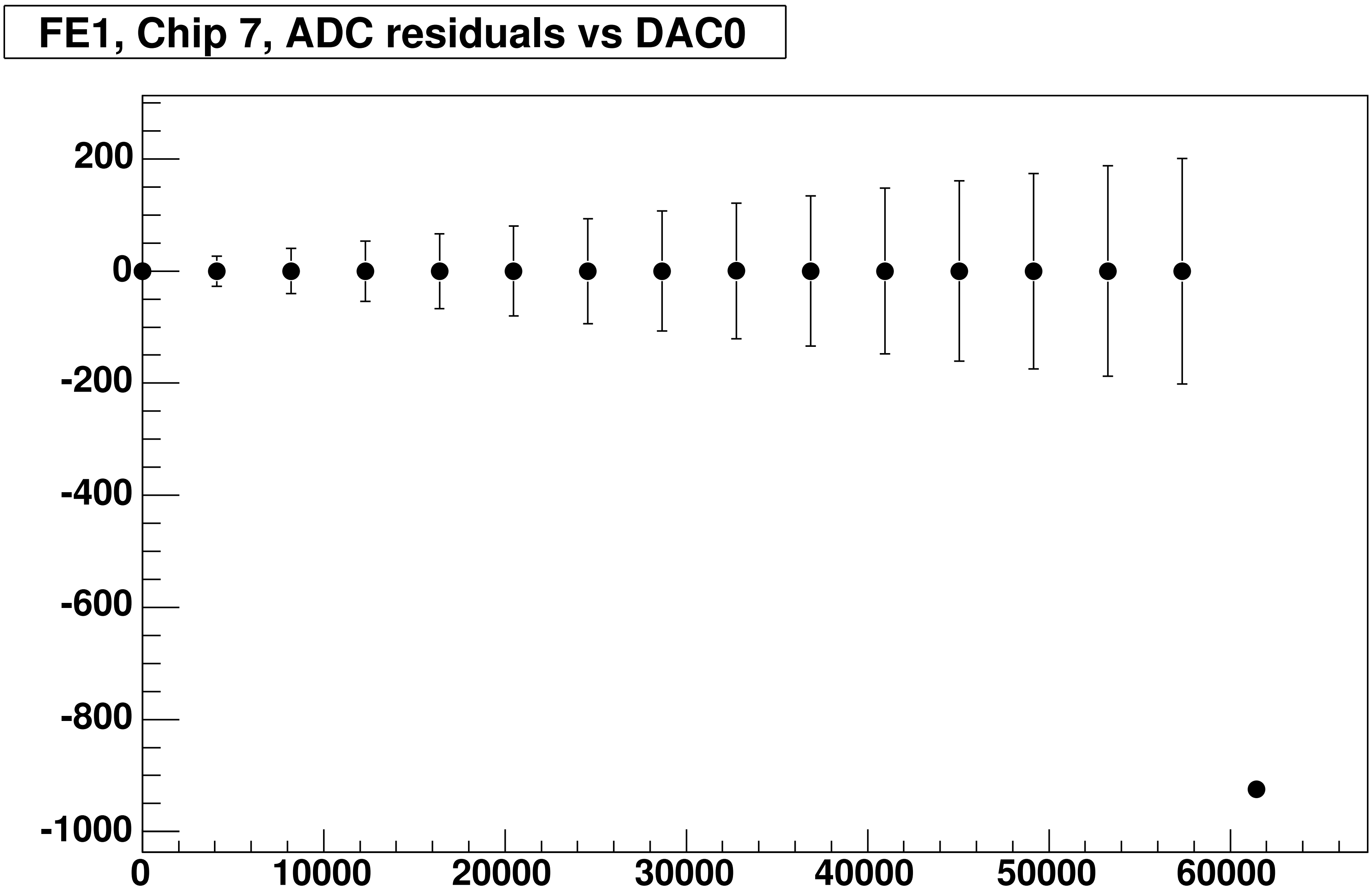


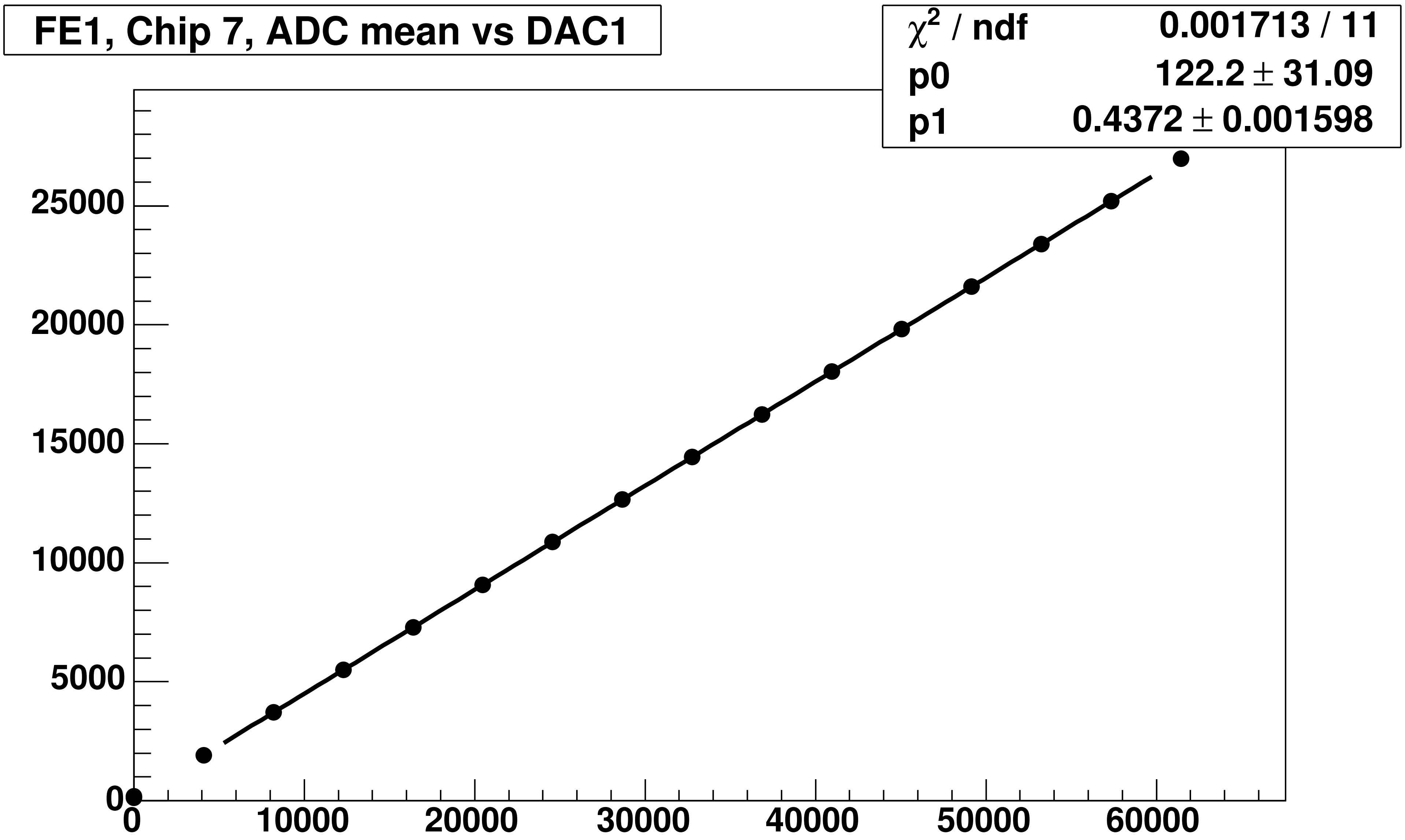

FE1, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

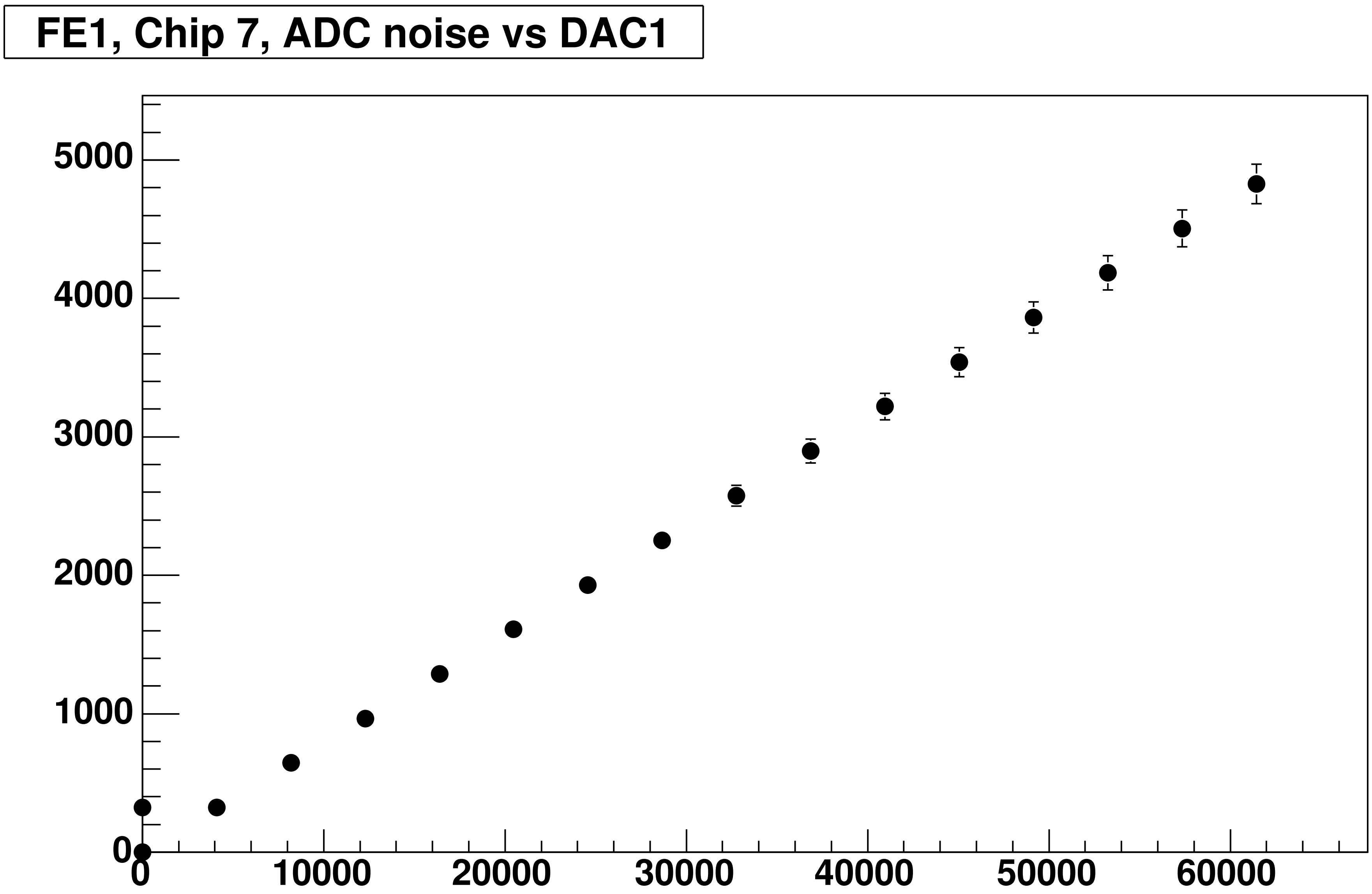


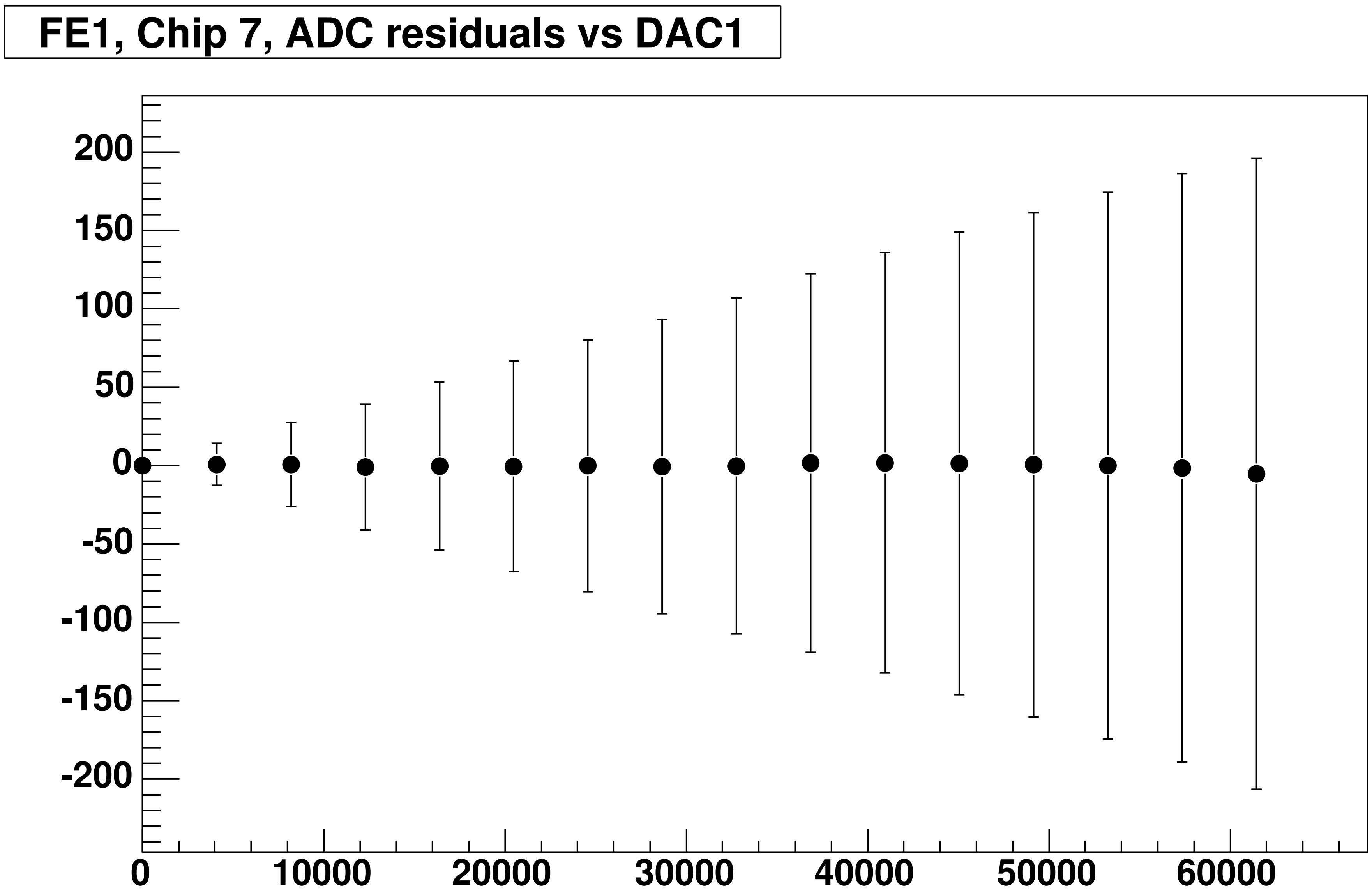
FE1, Chip 7, ADC mean vs DAC0
χ2 / ndf 1.511e-05 / 11
p0 180.6 ± 41.96
p1 0.0141 ± 0.001892
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

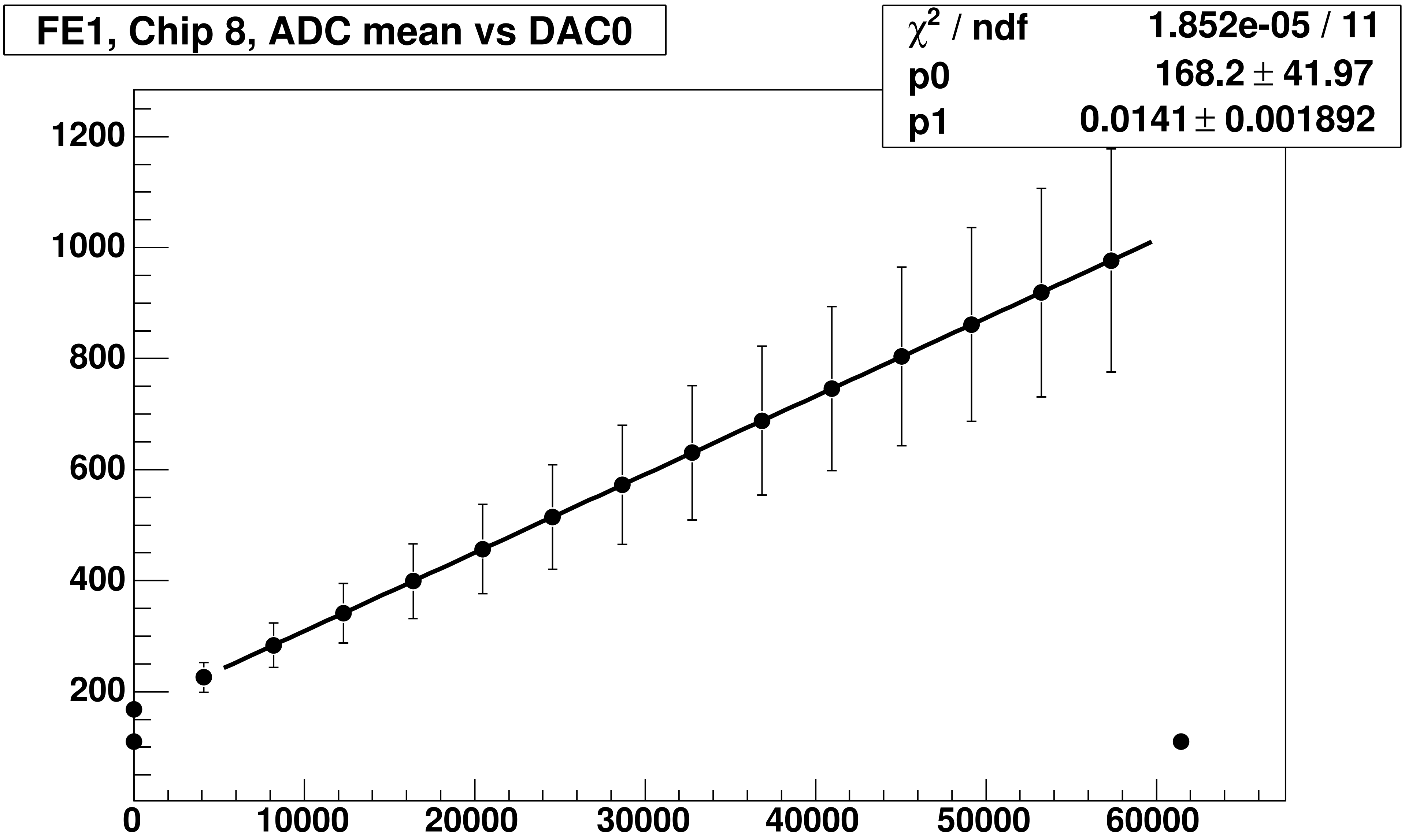

FE1, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

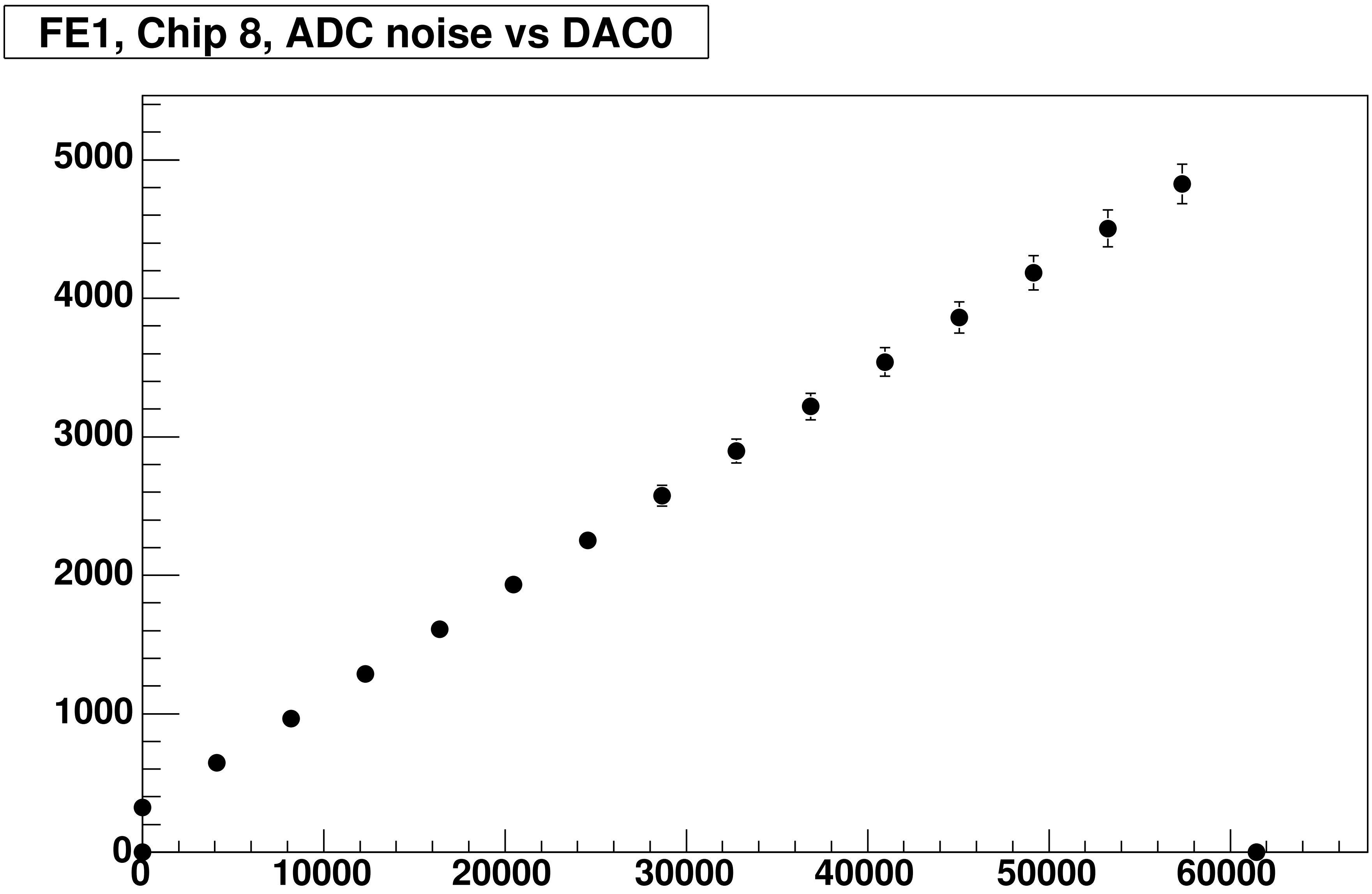

FE1, Chip 7, ADC mean vs DAC1
χ2 / ndf 0.001713 / 11
p0 122.2 ± 31.09
p1 0.4372 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

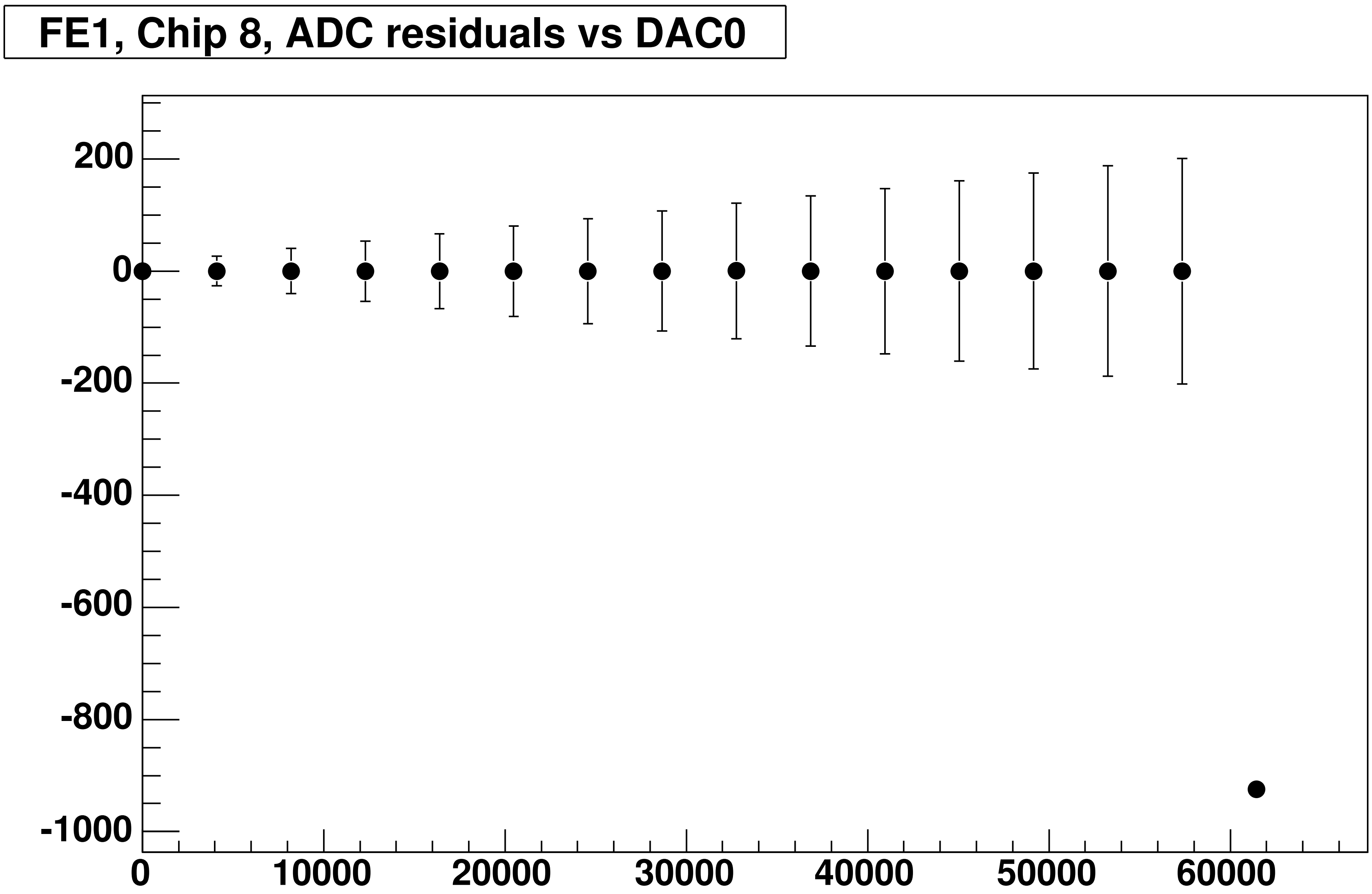

FE1, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

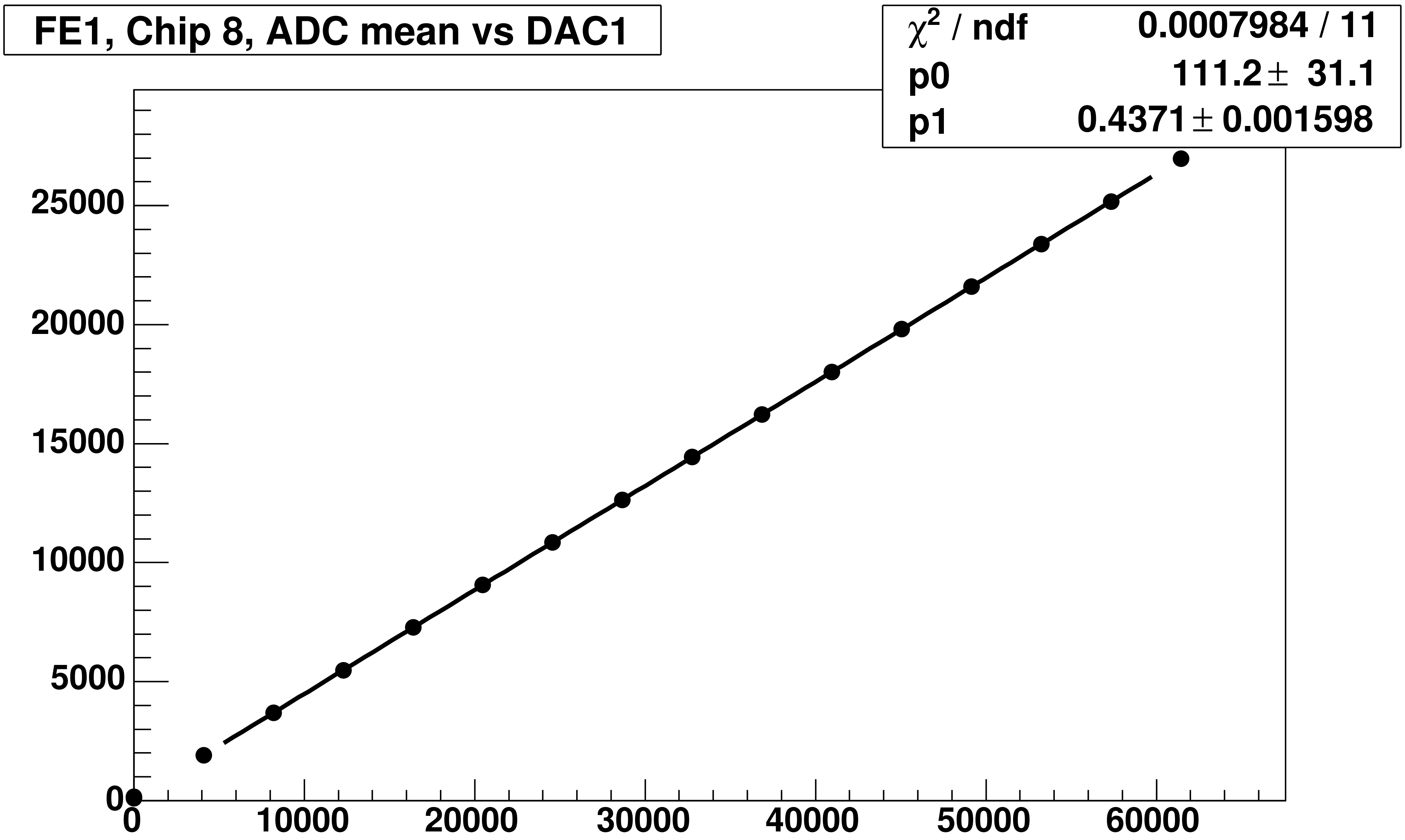


FE1, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.852e-05 / 11
p0 168.2 ± 41.97
p1 0.0141 ± 0.001892
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

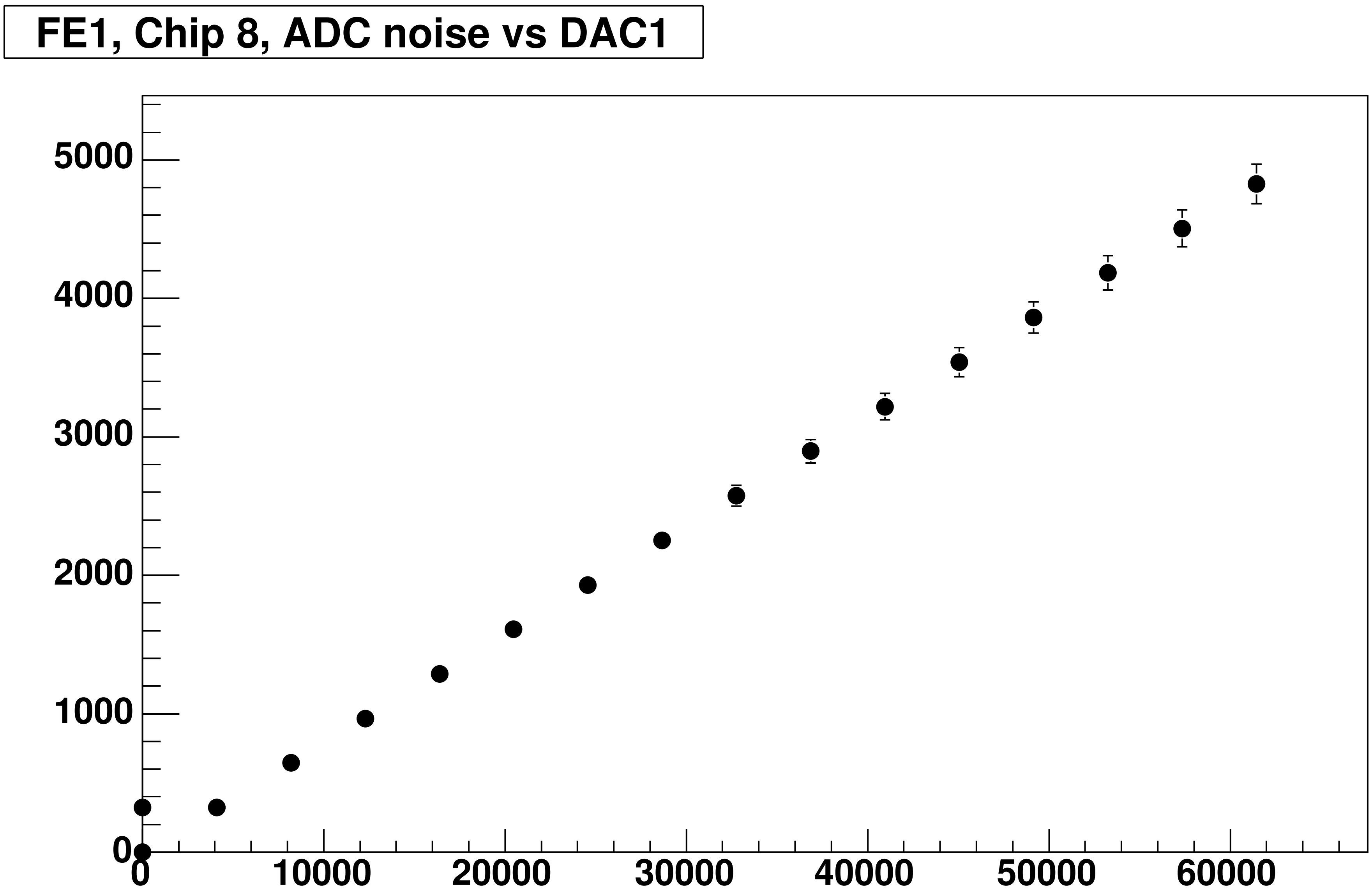

FE1, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



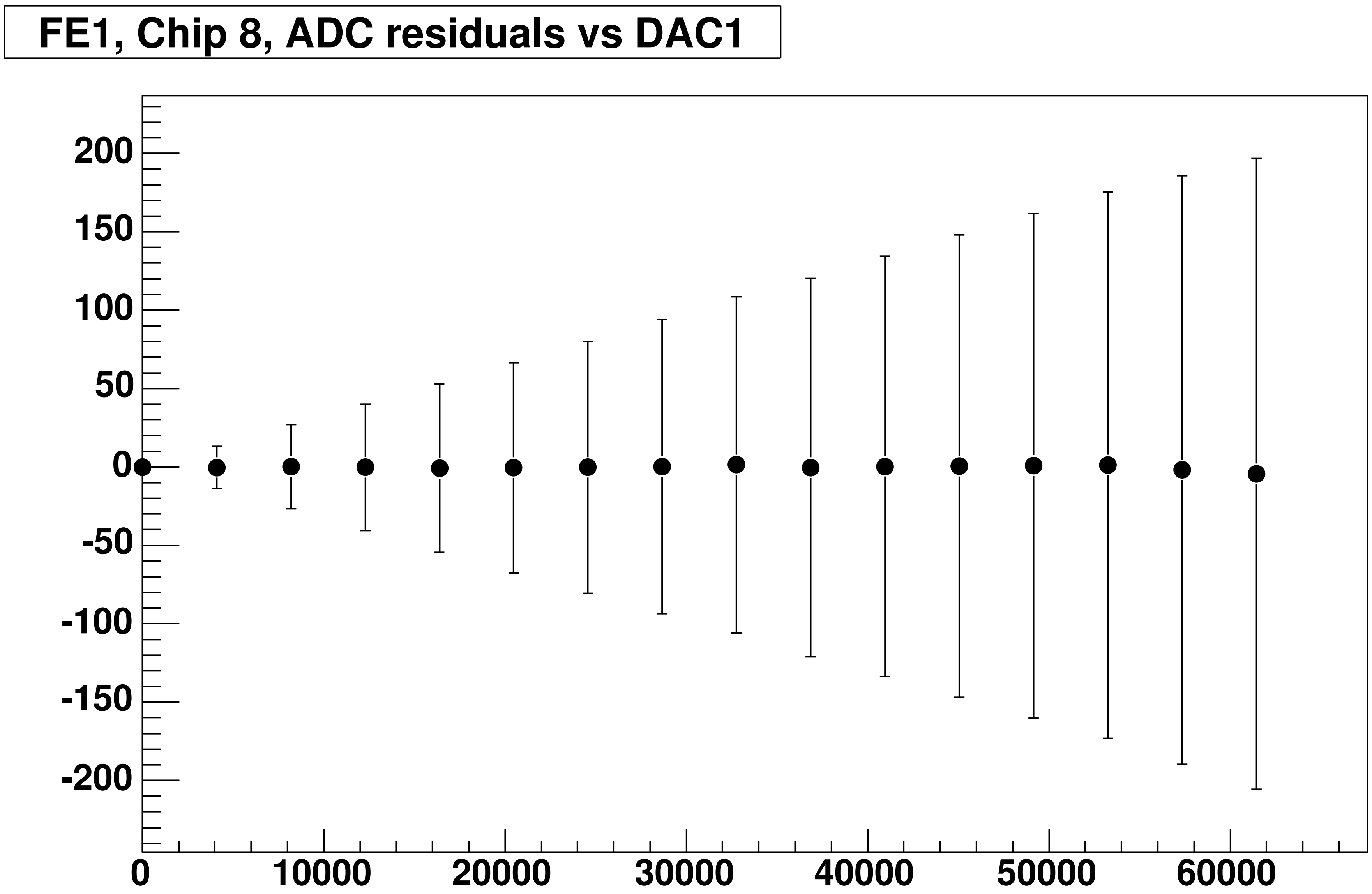
FE1, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

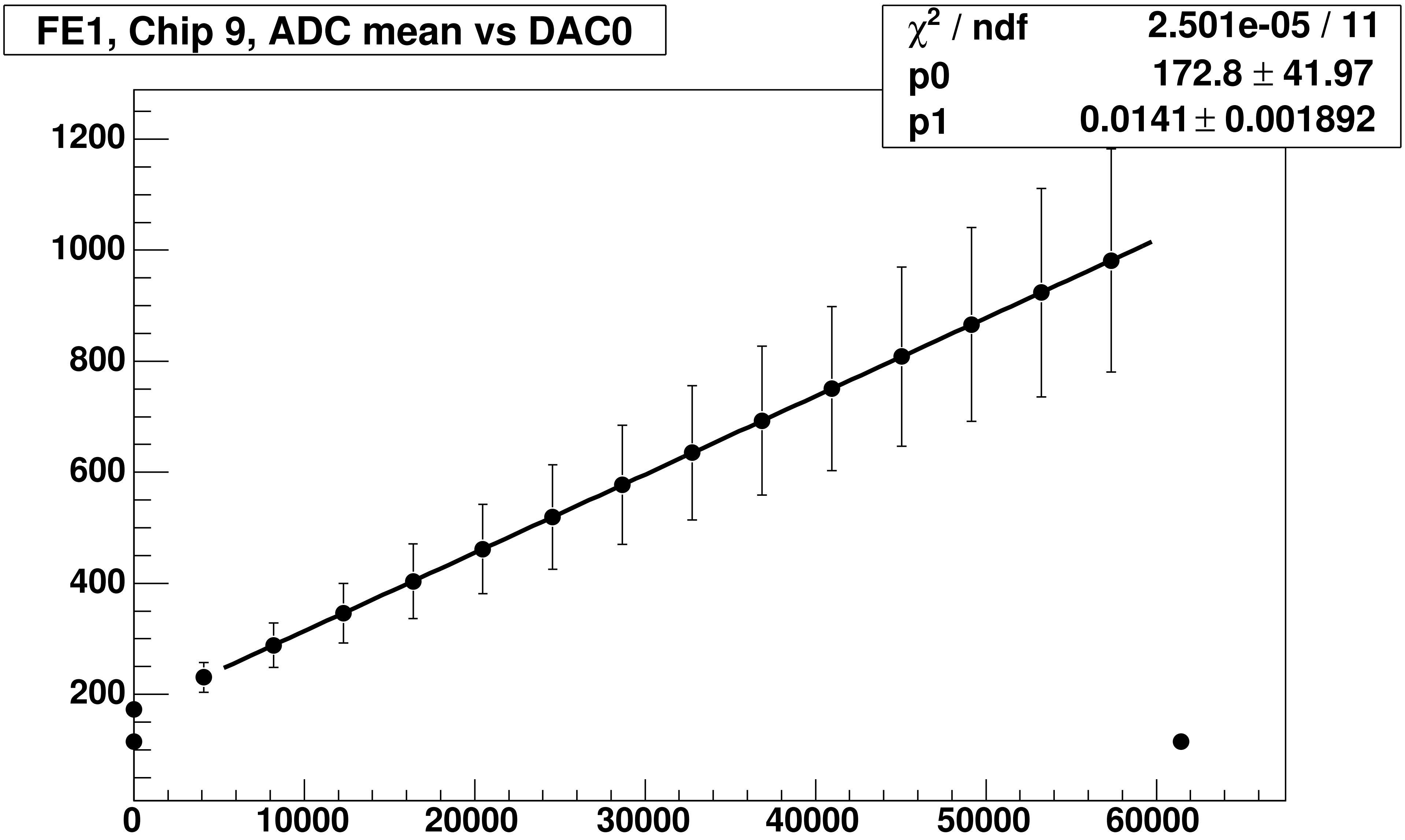


FE1, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.0007984 / 11
p0 111.2 ± 31.1
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

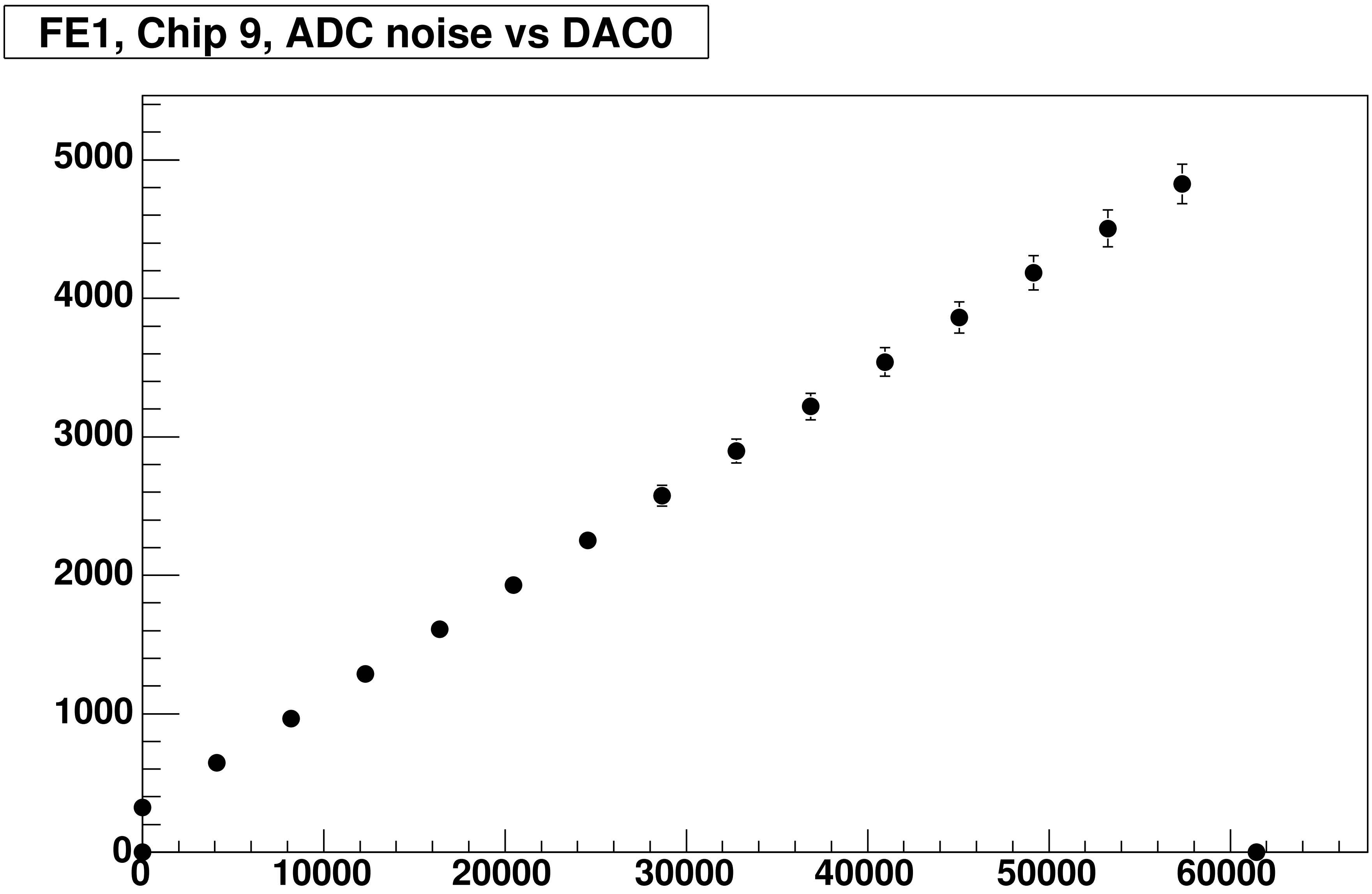


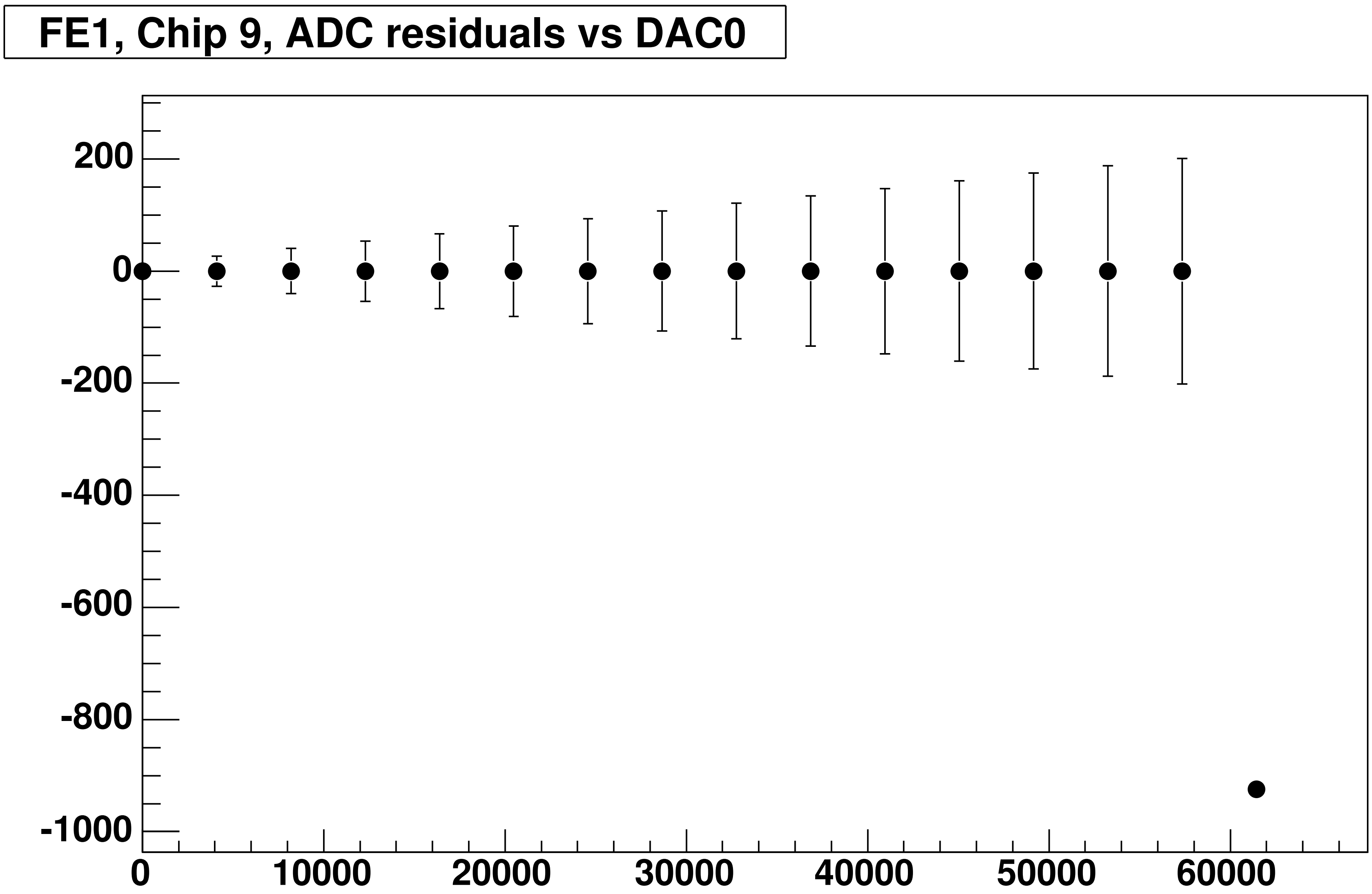
FE1, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

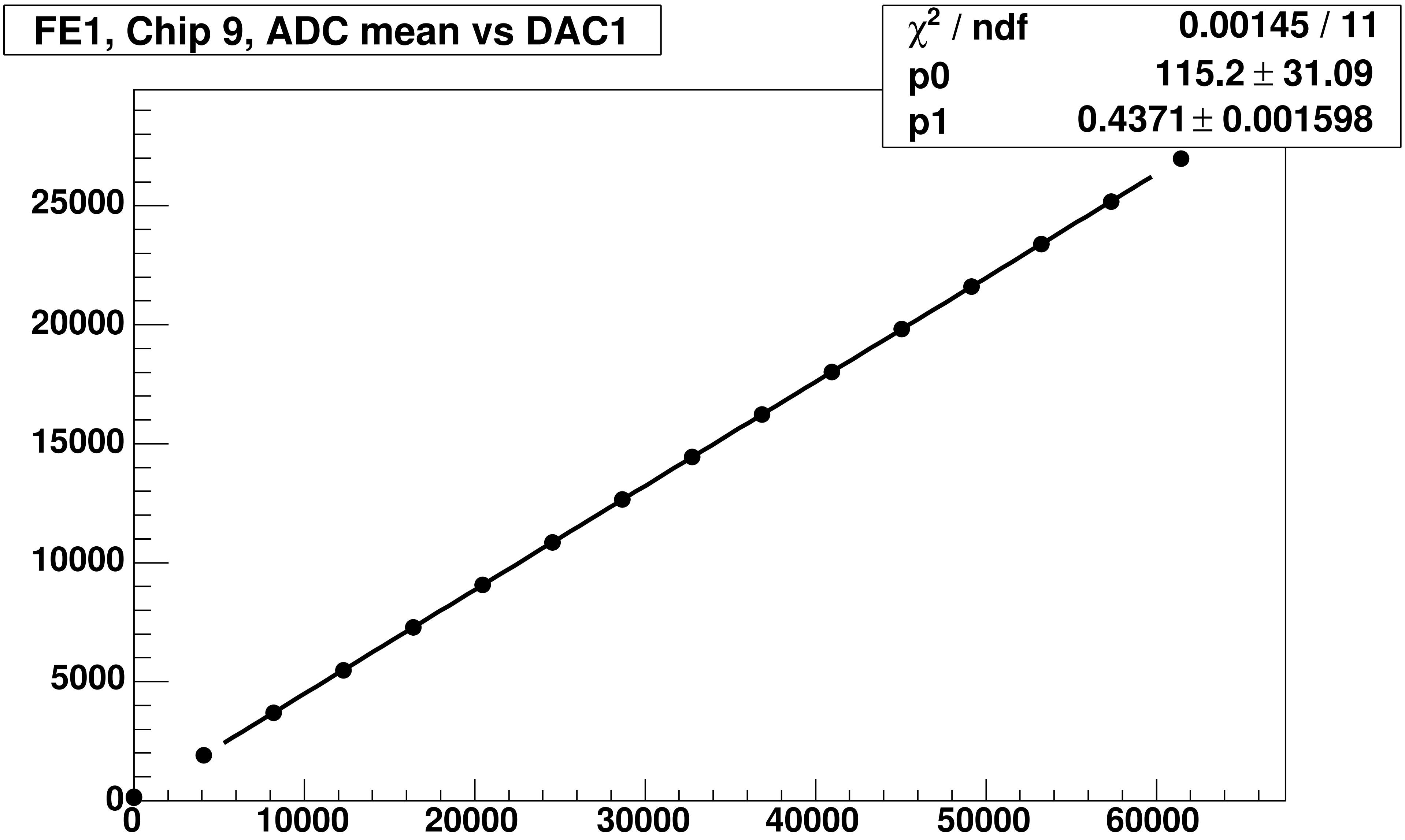


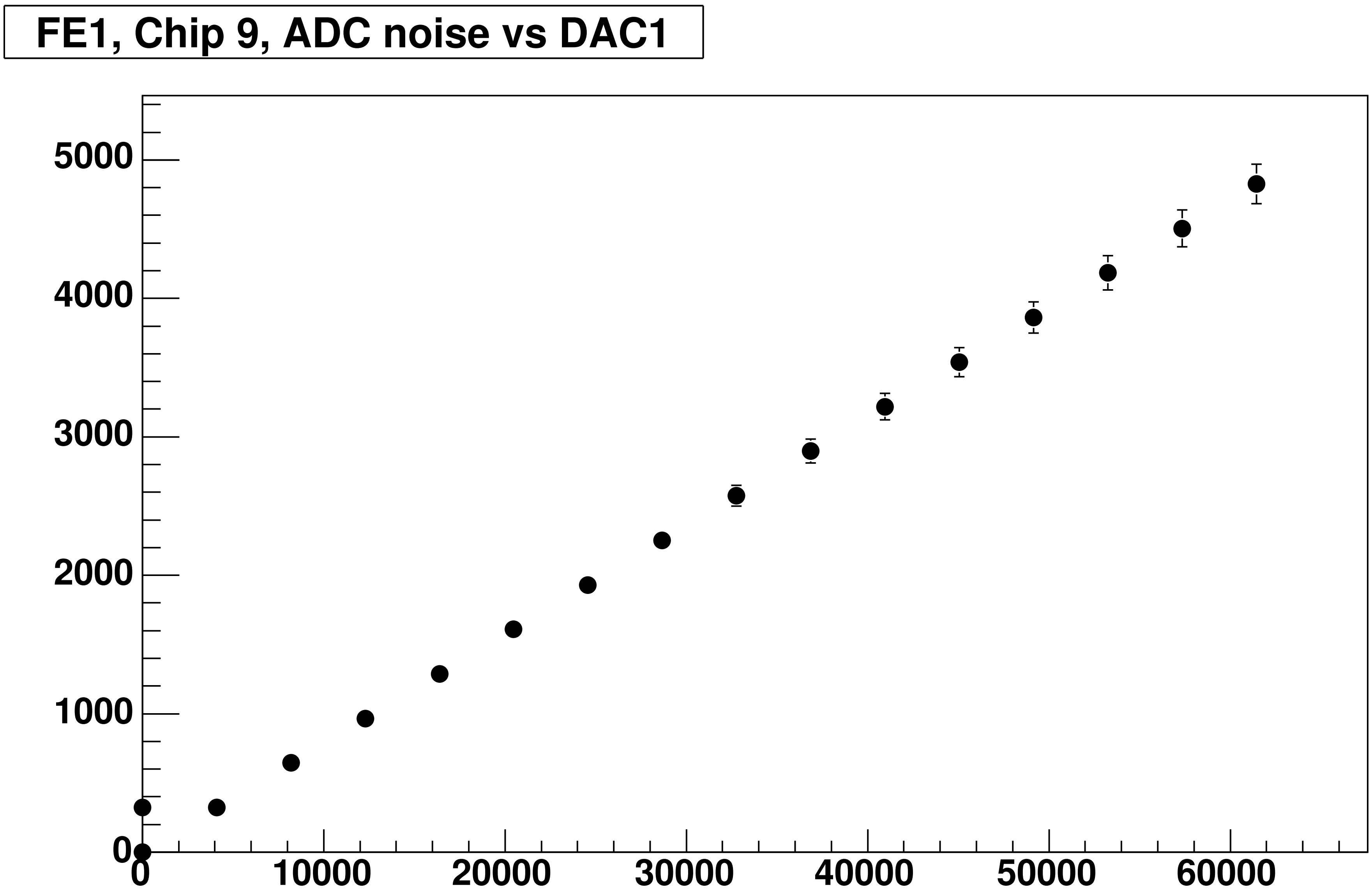
FE1, Chip 9, ADC mean vs DAC0
χ2 / ndf 2.501e-05 / 11
p0 172.8 ± 41.97
p1 0.0141 ± 0.001892
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000


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

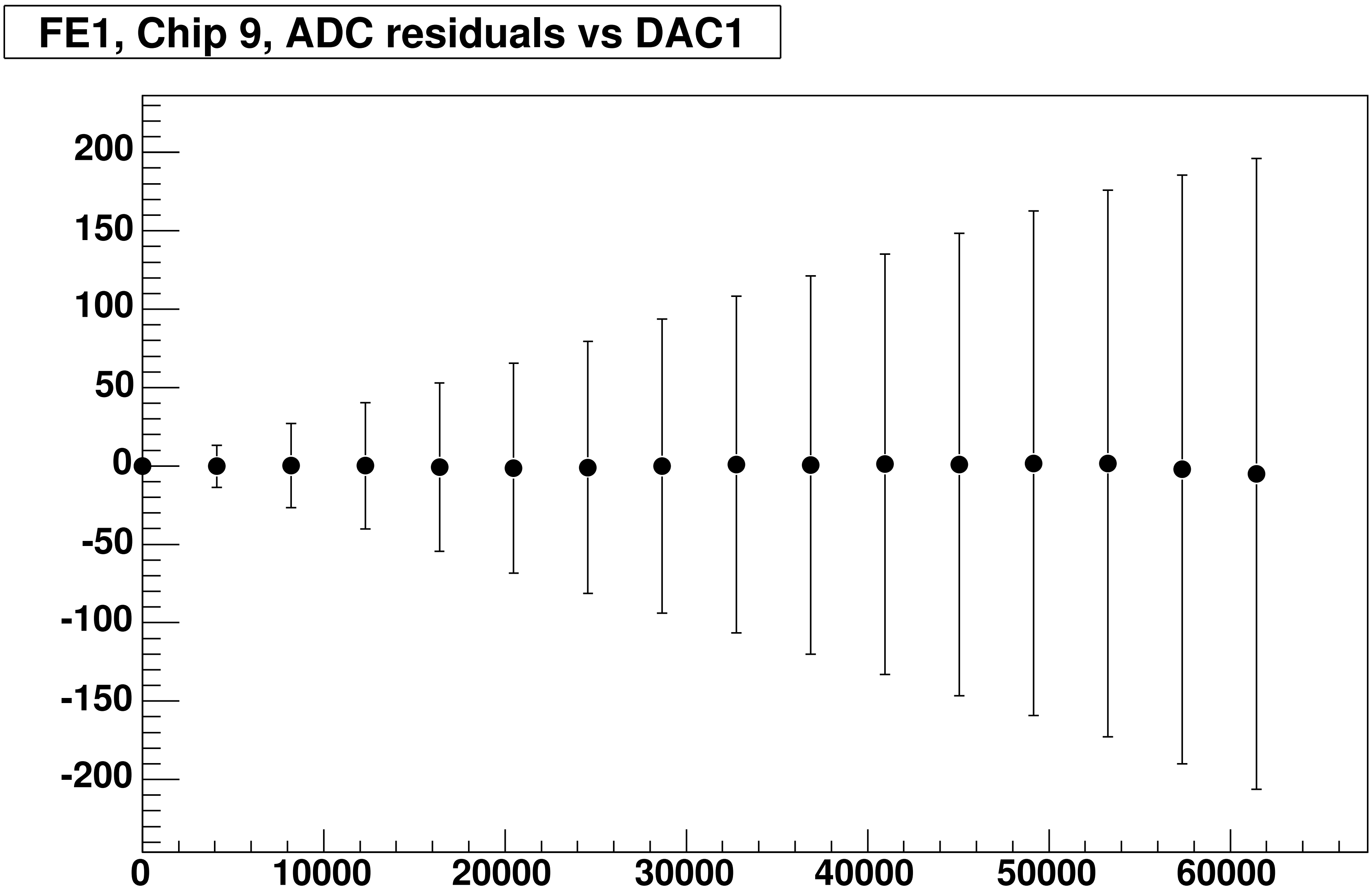


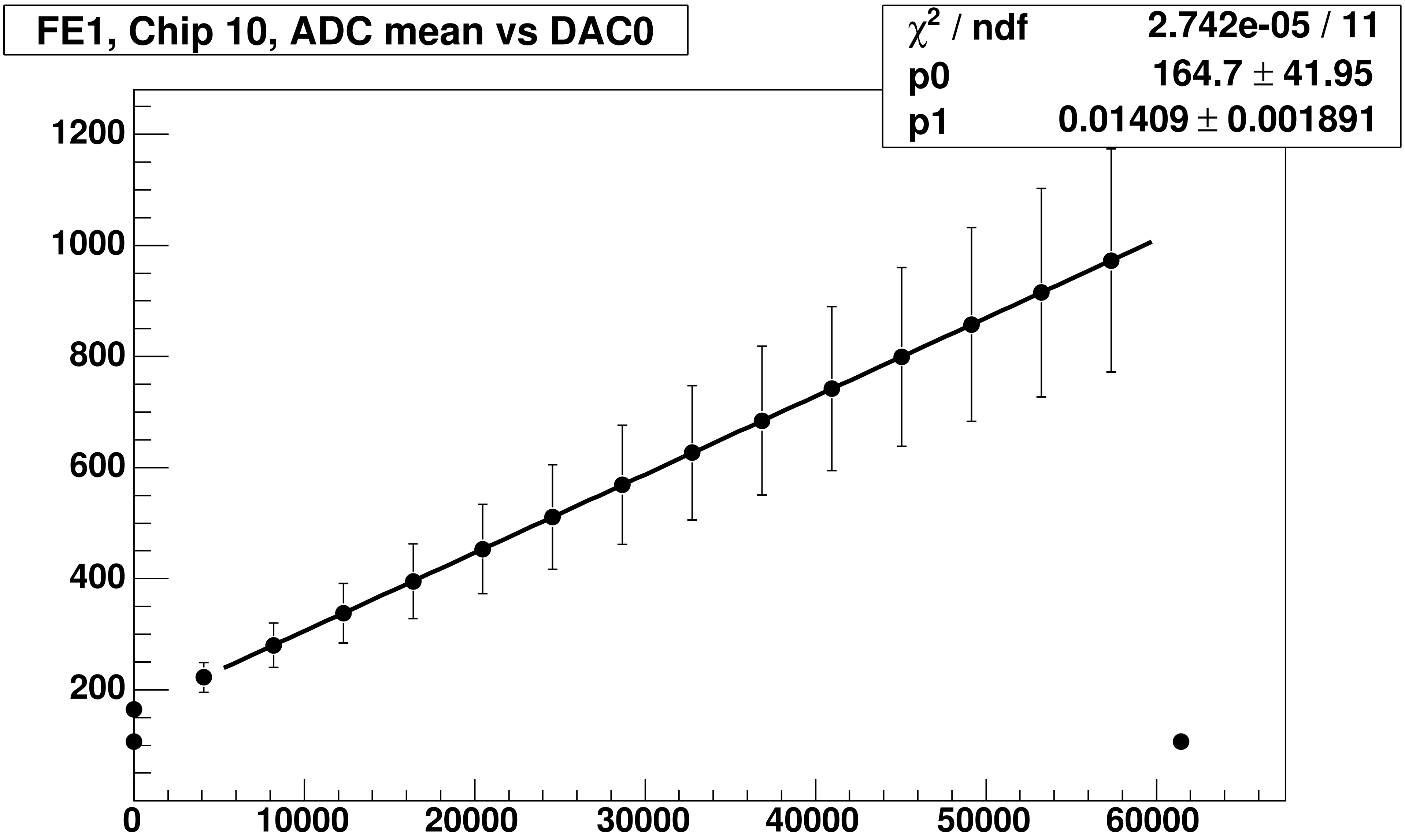
FE1, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE1, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.00145 / 11
p0 115.2 ± 31.09
p1 0.4371 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

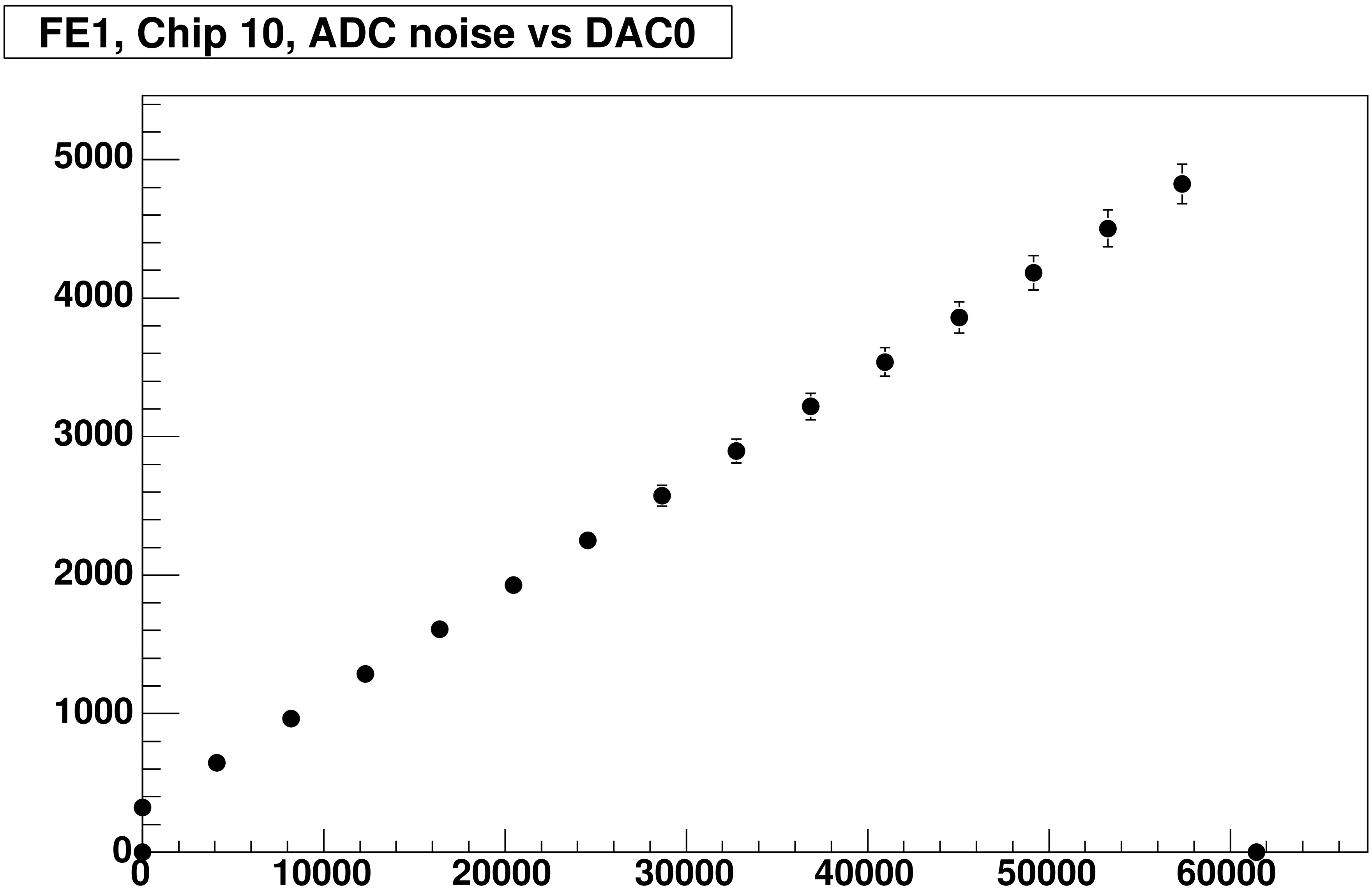


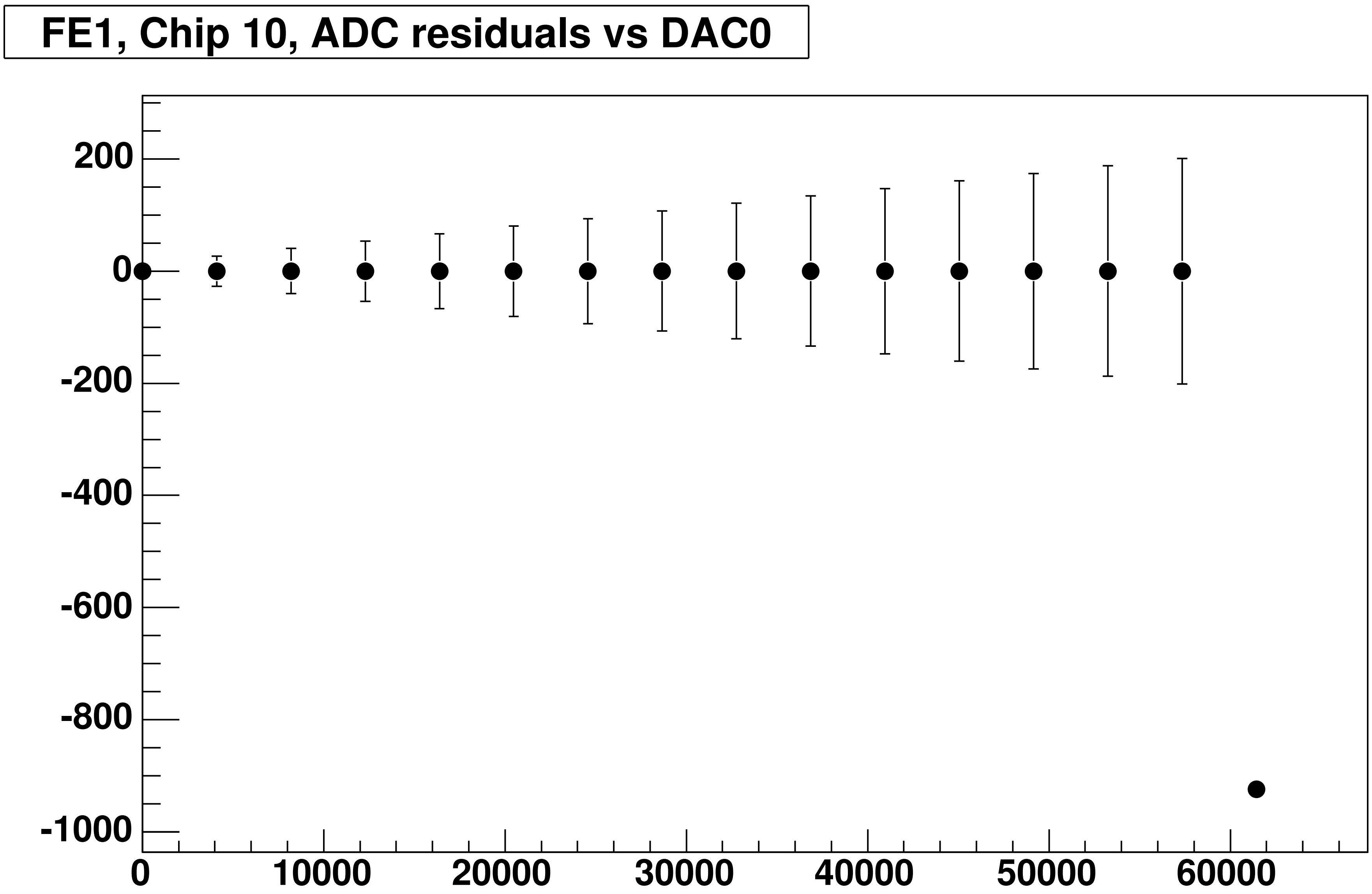
FE1, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

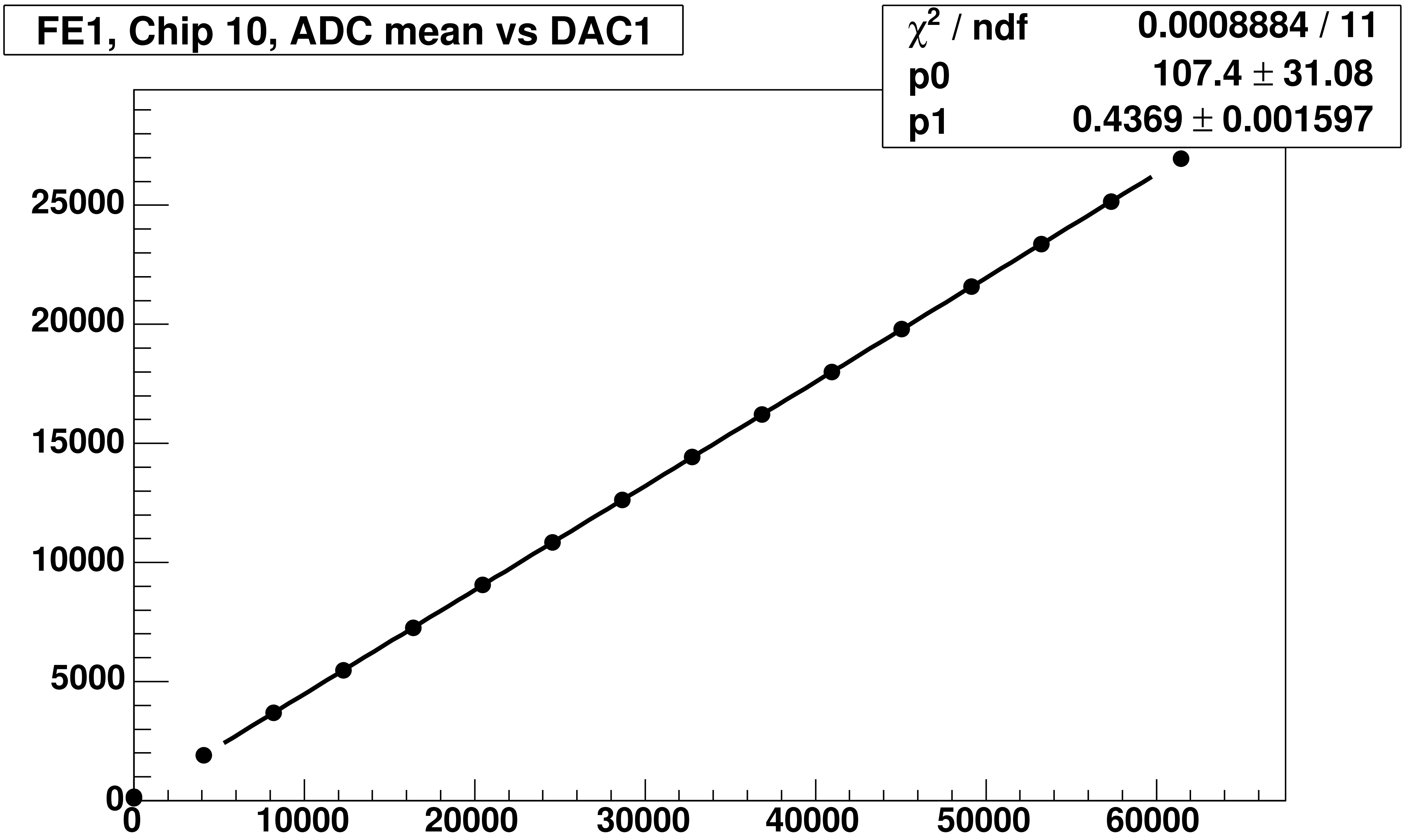

FE1, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

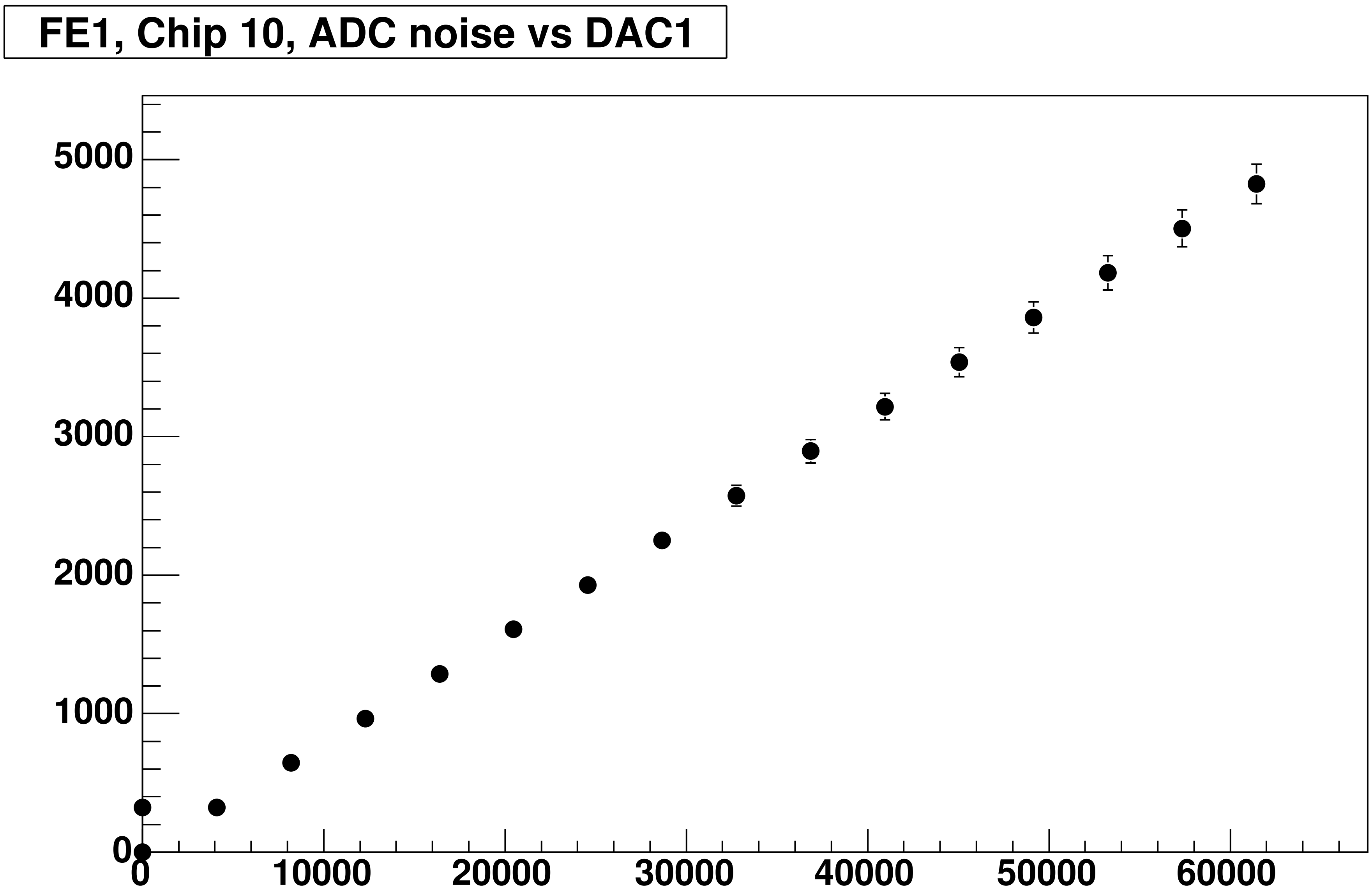


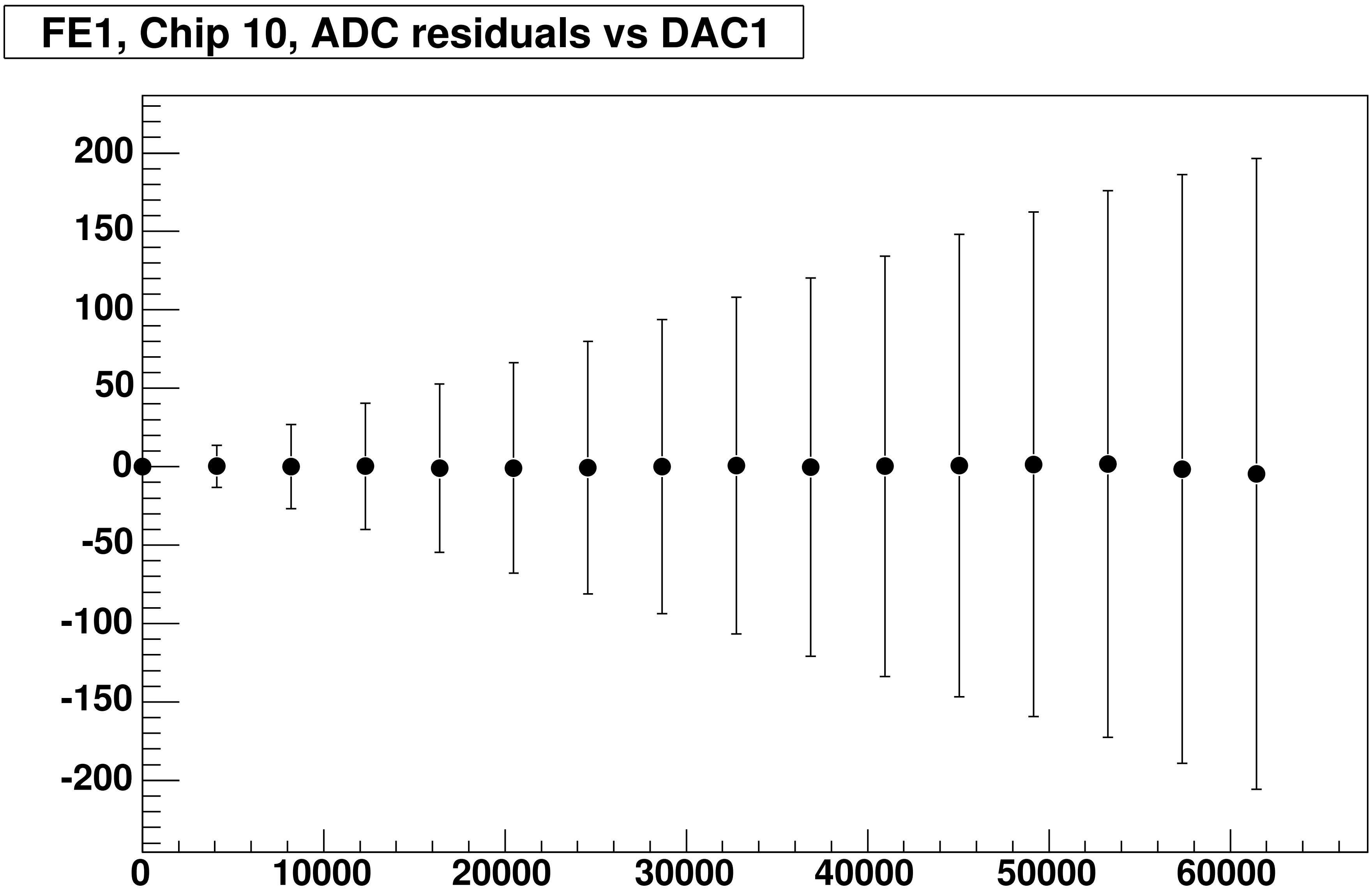
FE1, Chip 10, ADC mean vs DAC0
χ^2 / ndf 2.742e-05 / 11
p0 164.7 ± 41.95
p1 0.01409 ± 0.001891
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

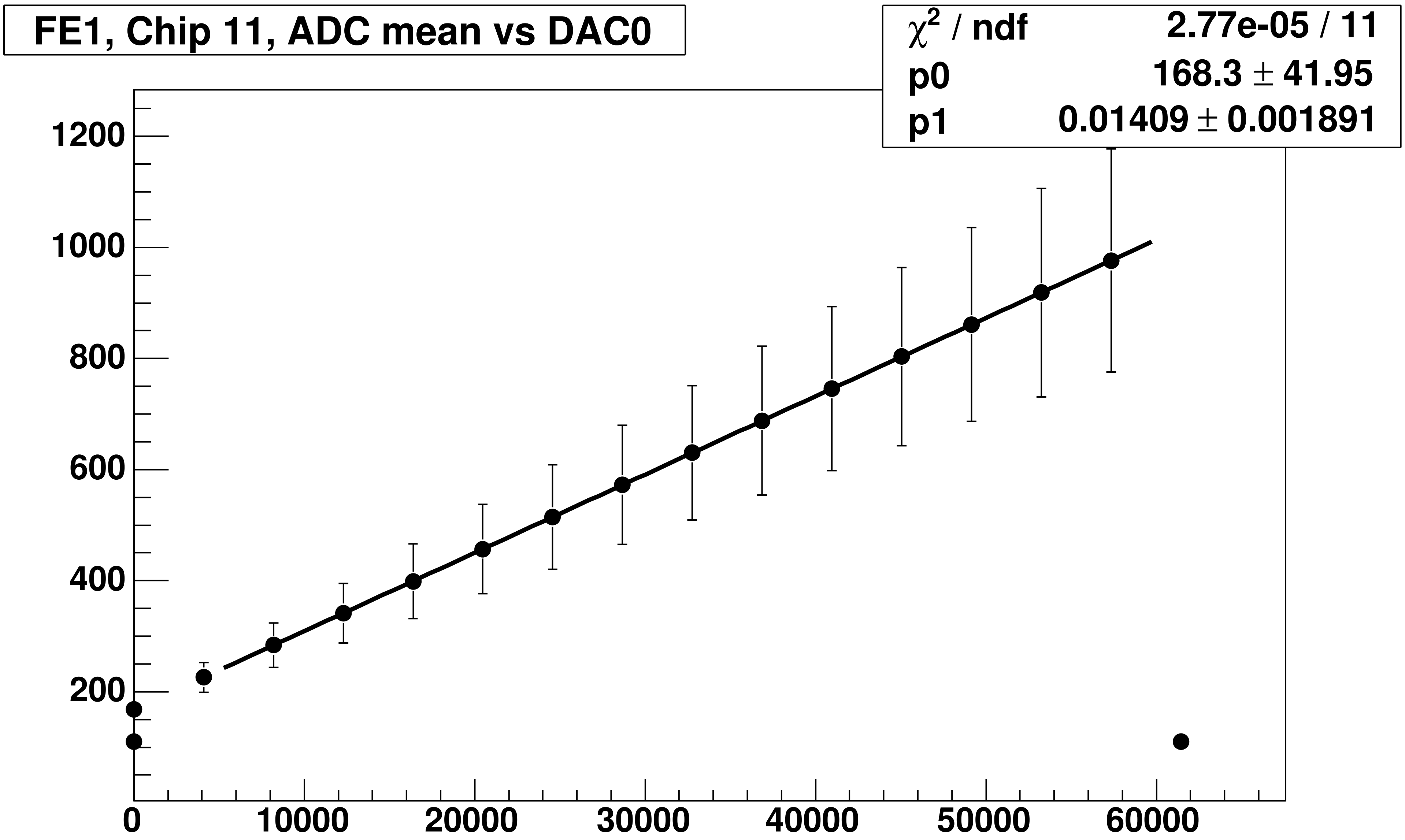

FE1, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

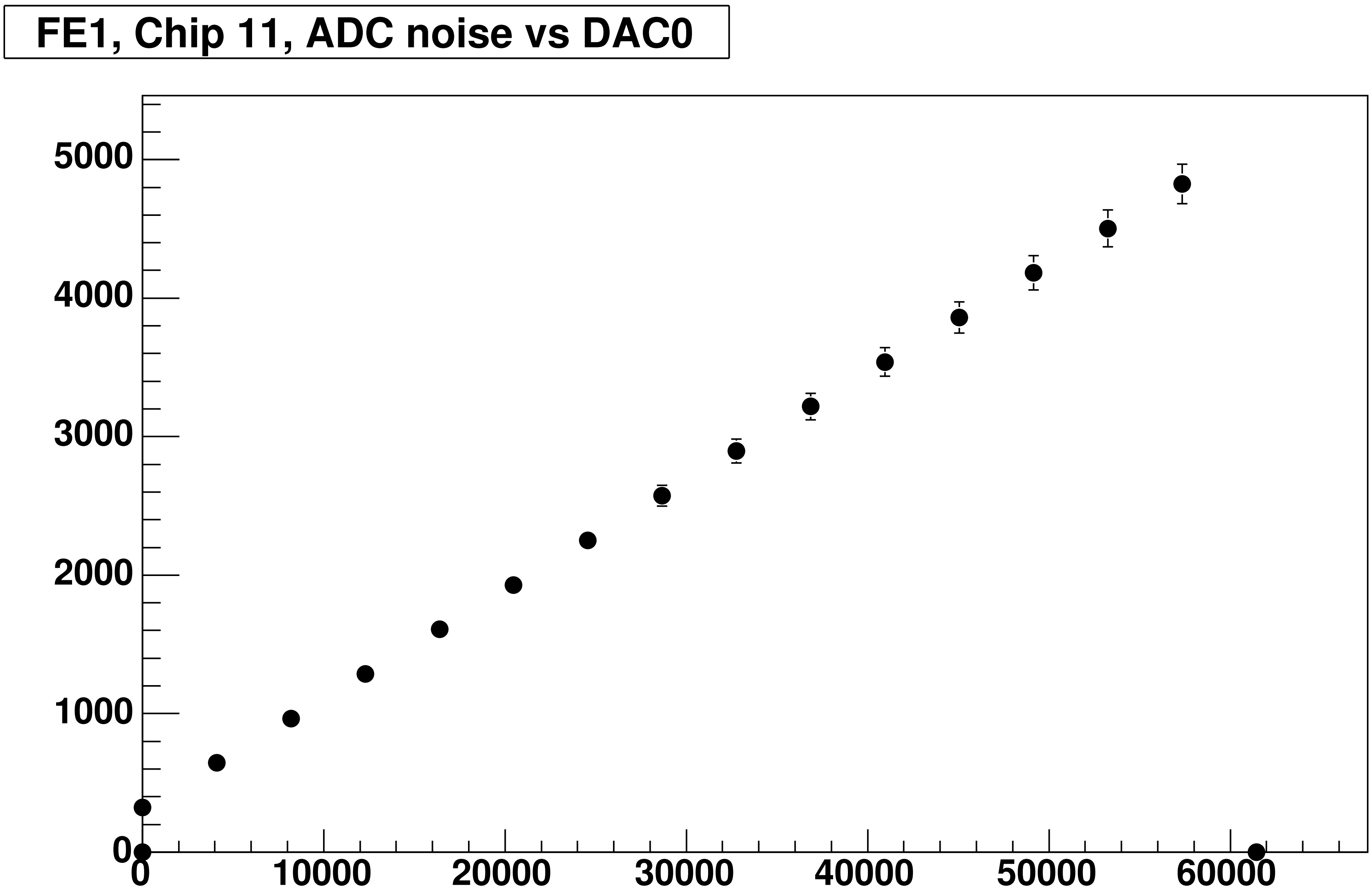

FE1, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

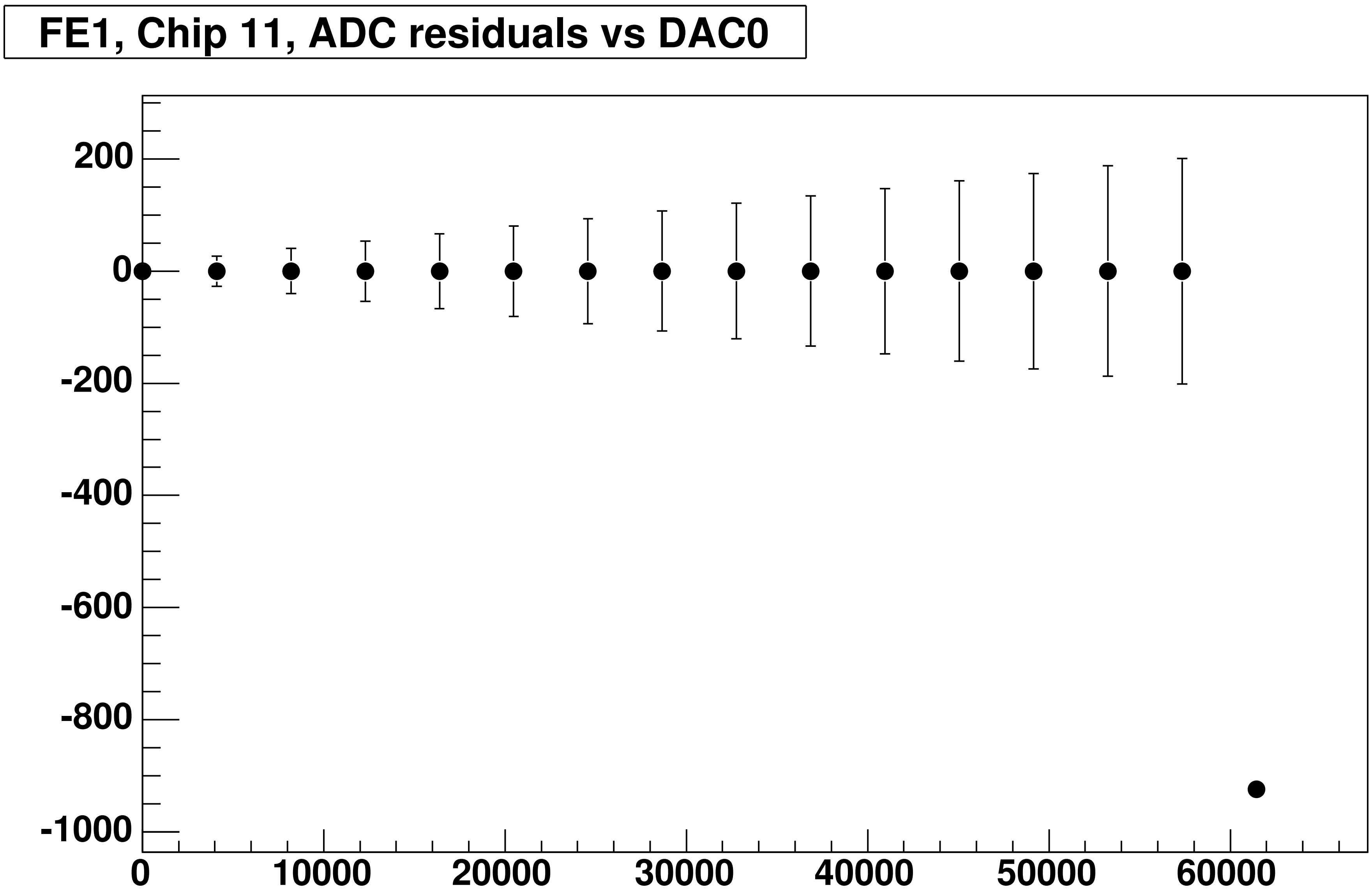

FE1, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0008884 / 11
p0 107.4 ± 31.08
p1 0.4369 ± 0.001597
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

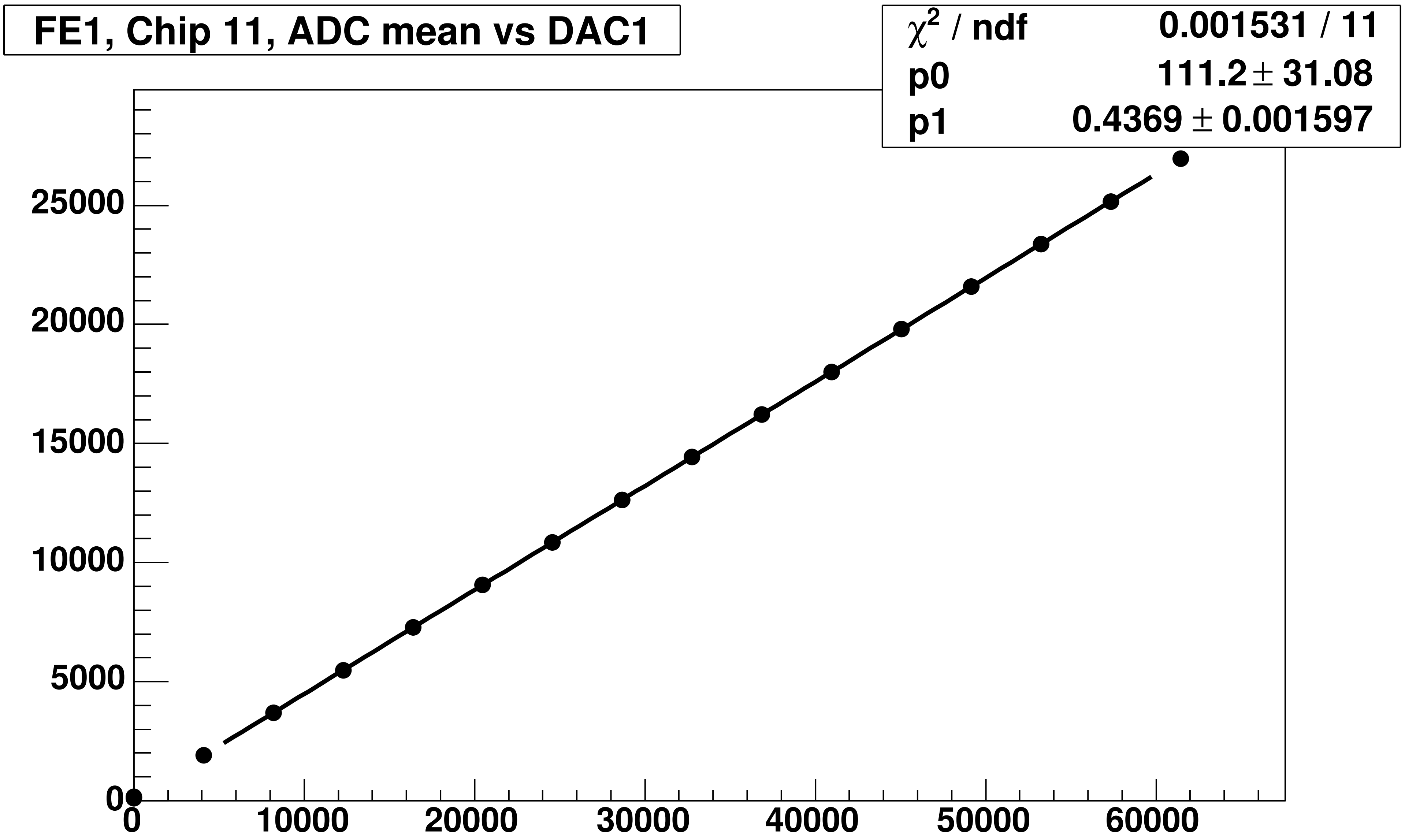

FE1, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

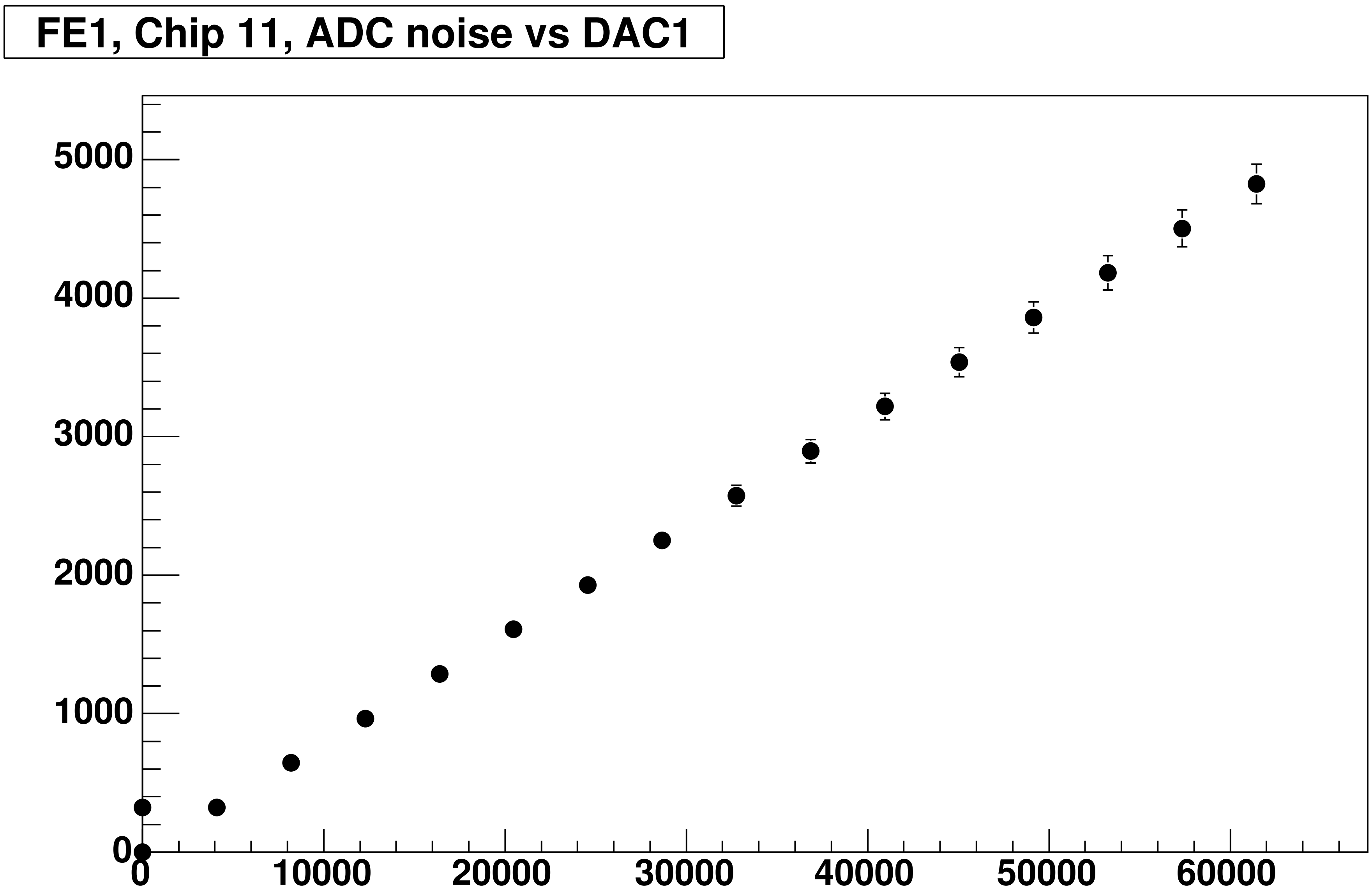

FE1, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

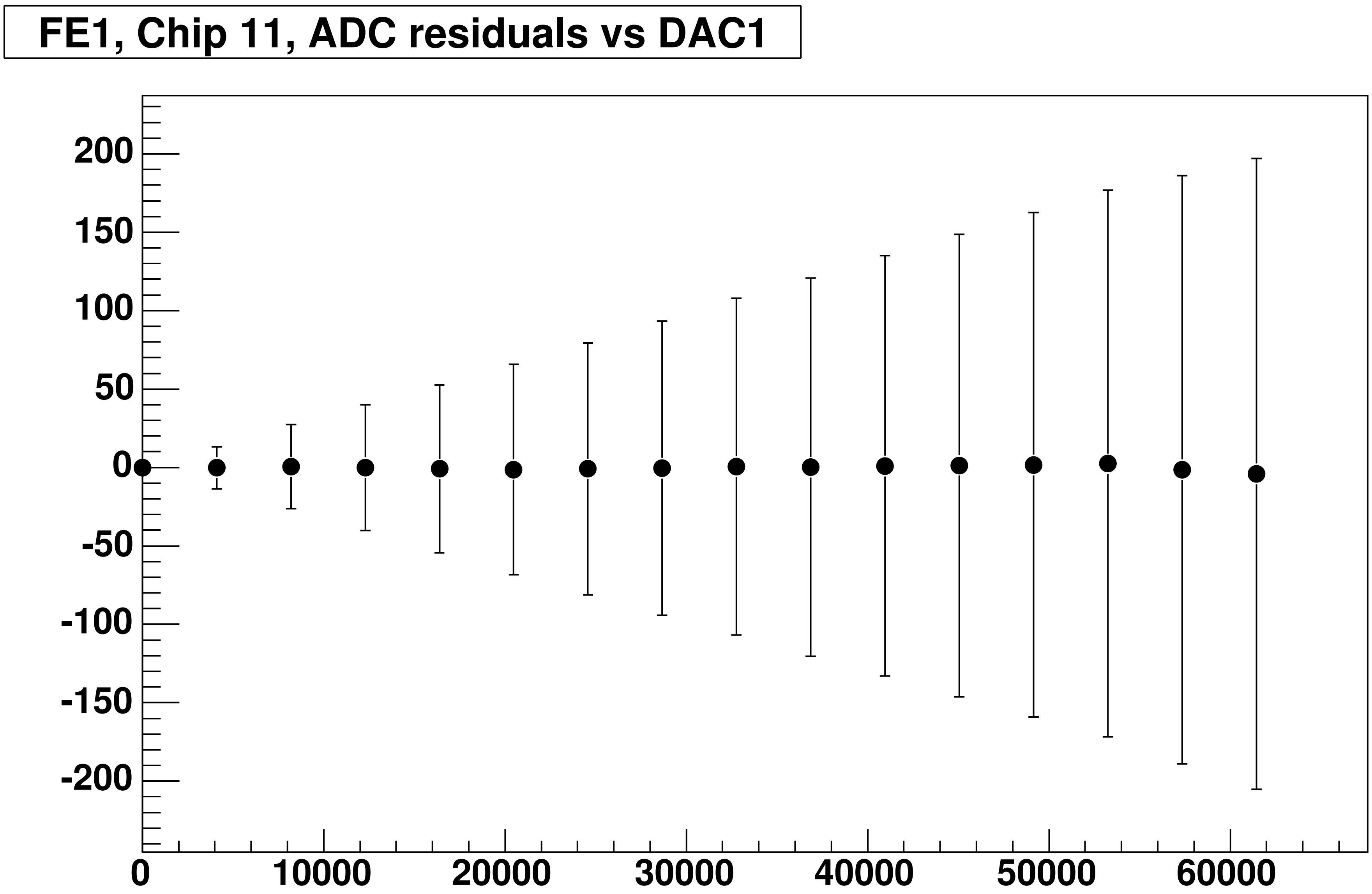

FE1, Chip 11, ADC mean vs DAC0
χ^2 / ndf 2.77e-05 / 11
p0 168.3 ± 41.95
p1 0.01409 ± 0.001891
1200
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

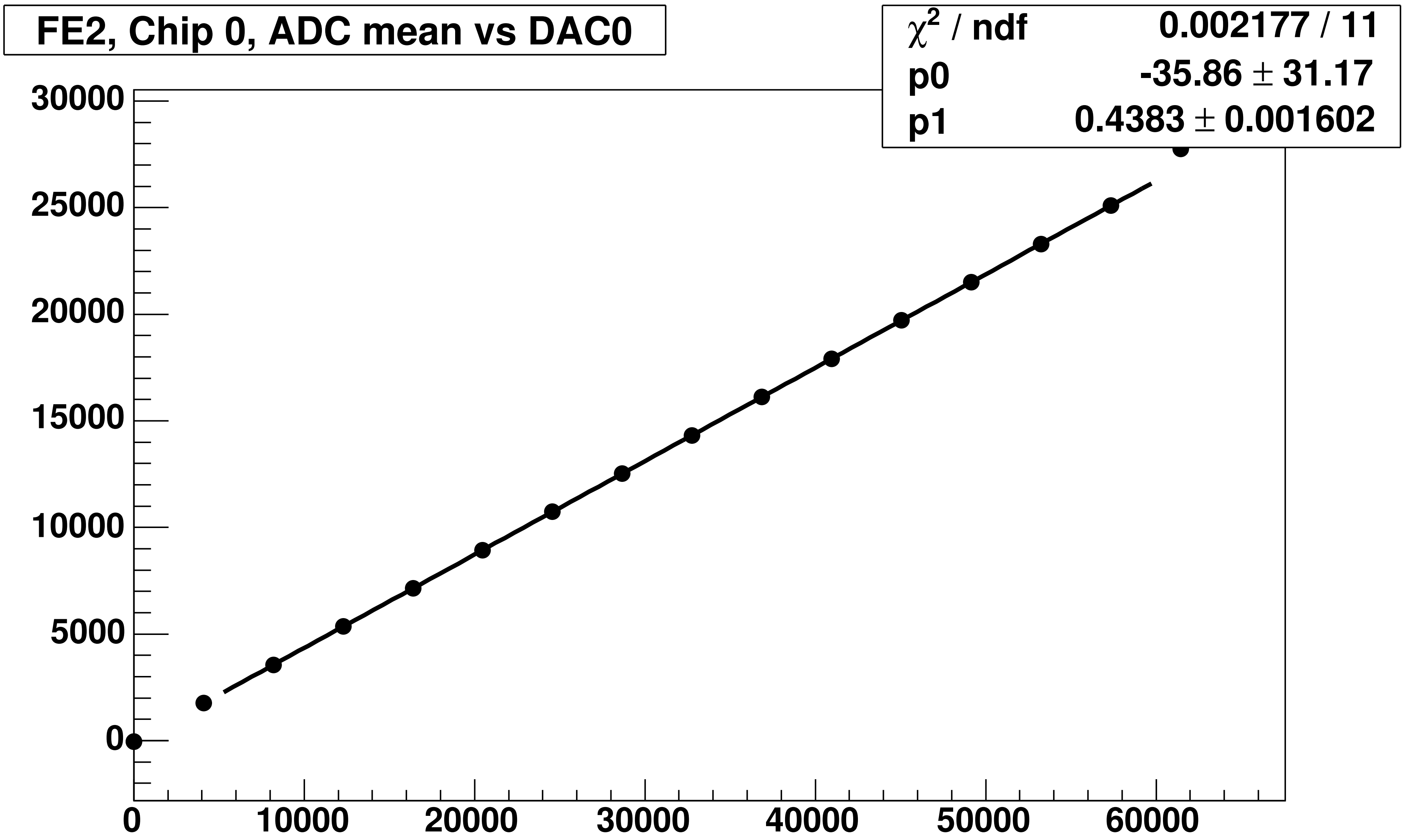

FE1, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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


FE1, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.001531 / 11
p0 111.2 ± 31.08
p1 0.4369 ± 0.001597
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
χ^2 / ndf 0.002177 / 11
p0 -35.86 ± 31.17
p1 0.4383 ± 0.001602
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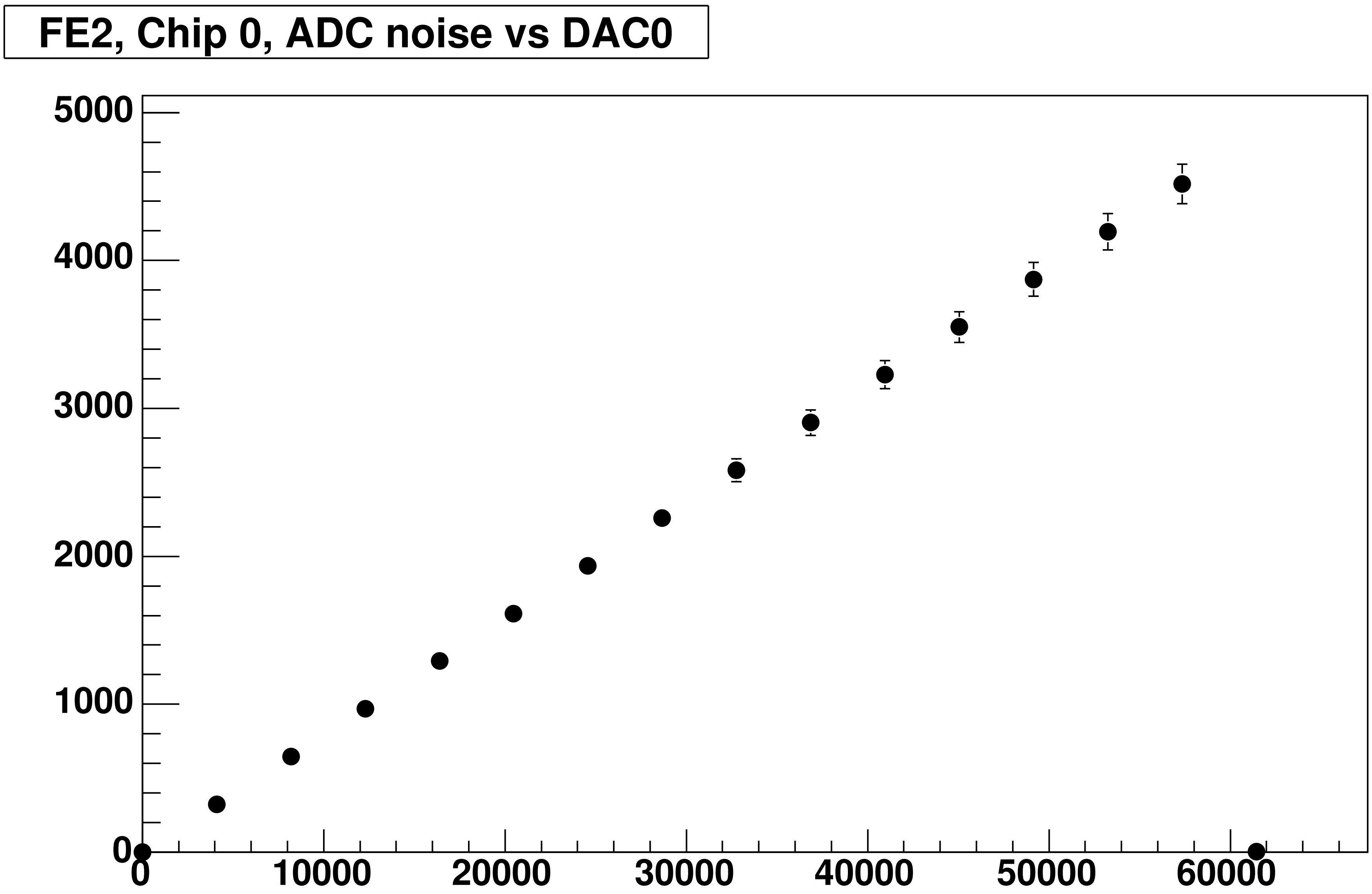
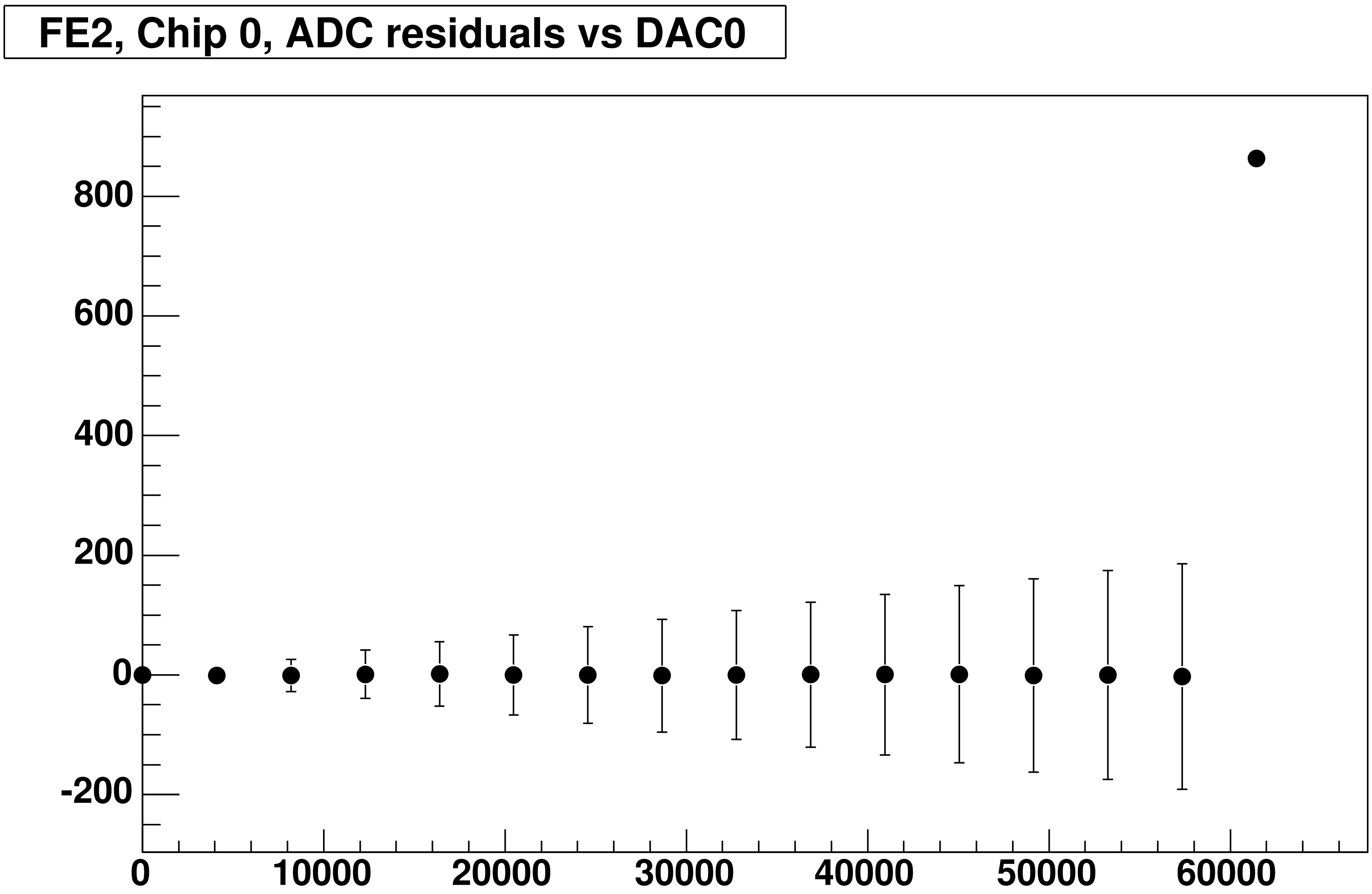
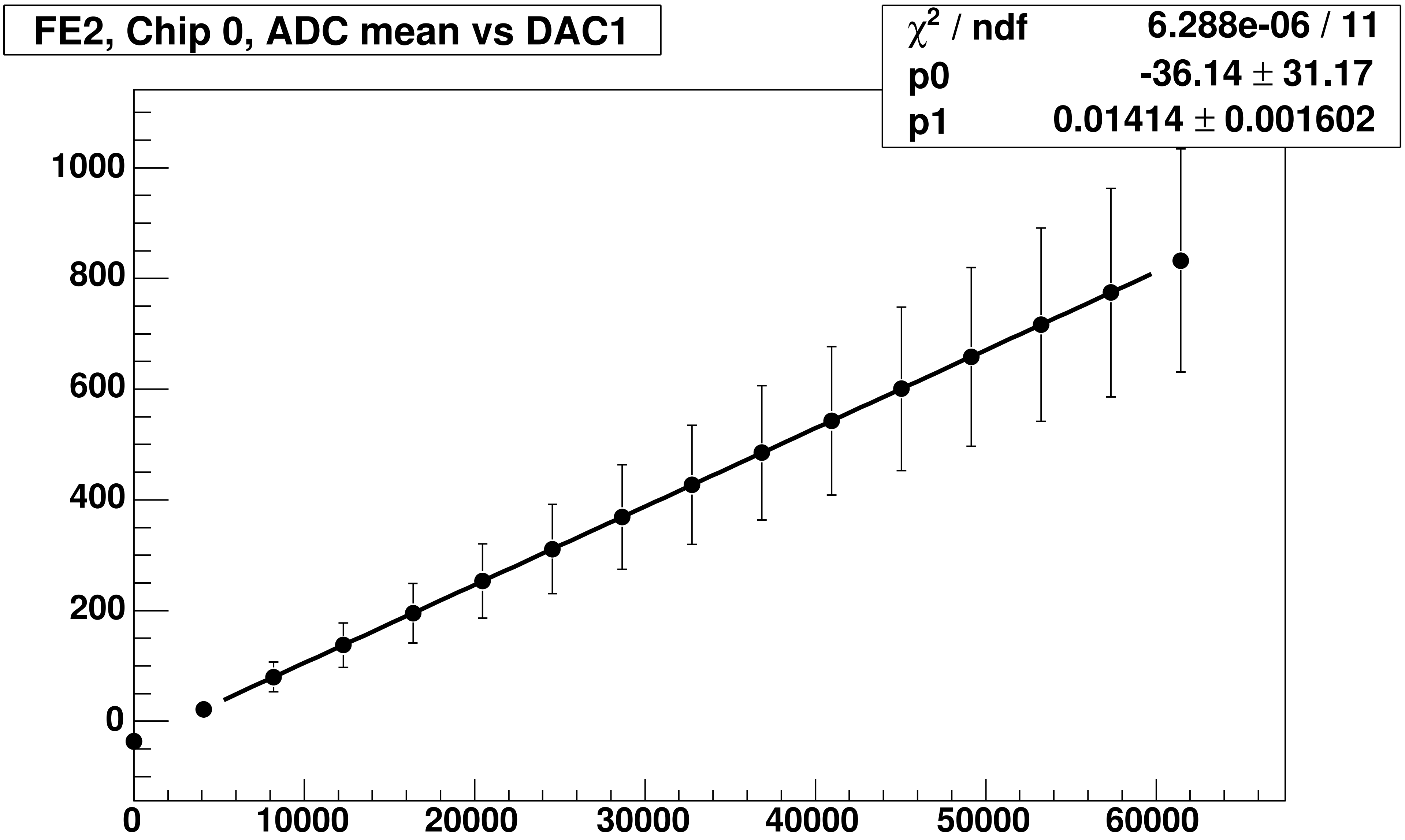
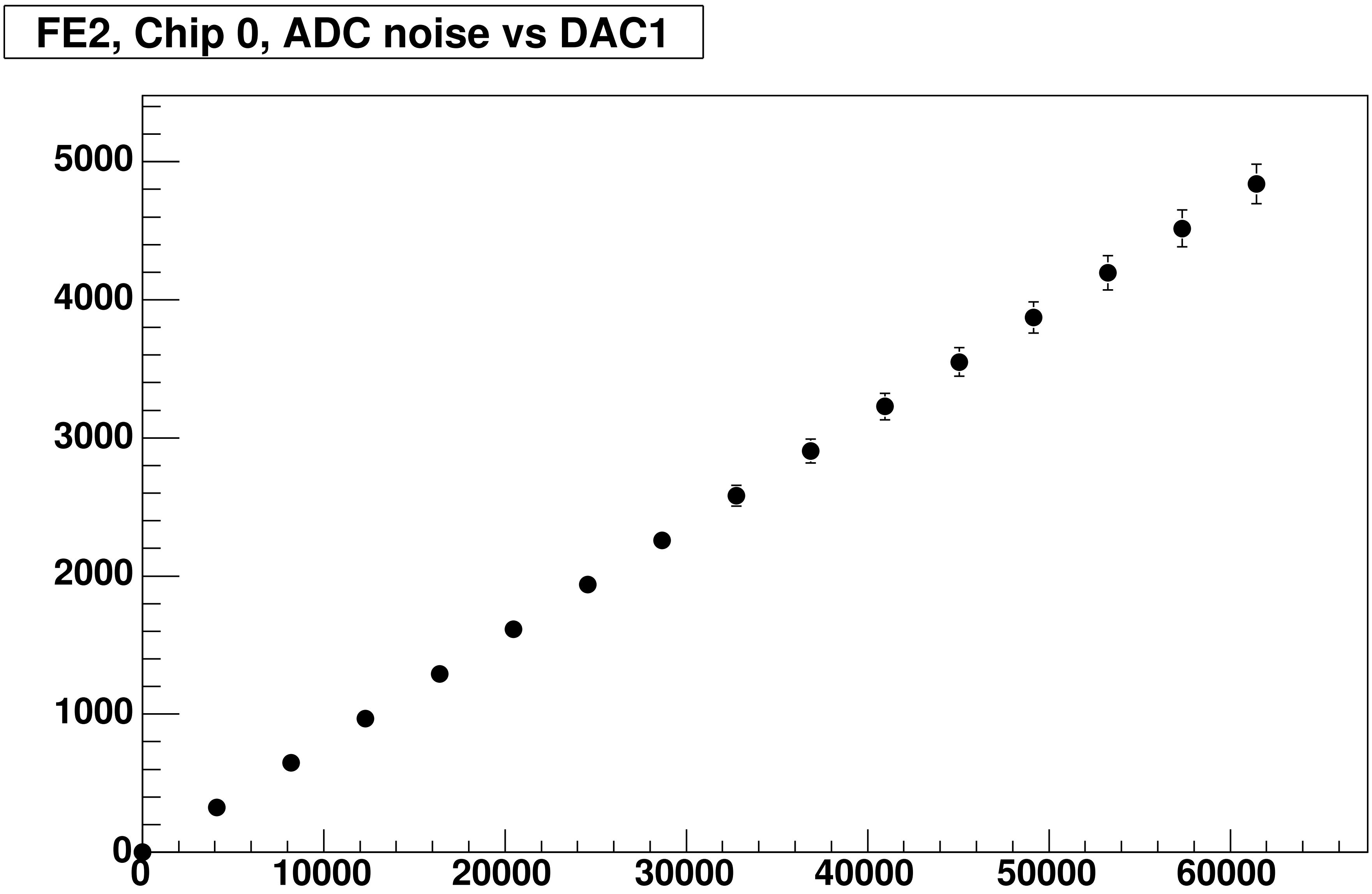
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

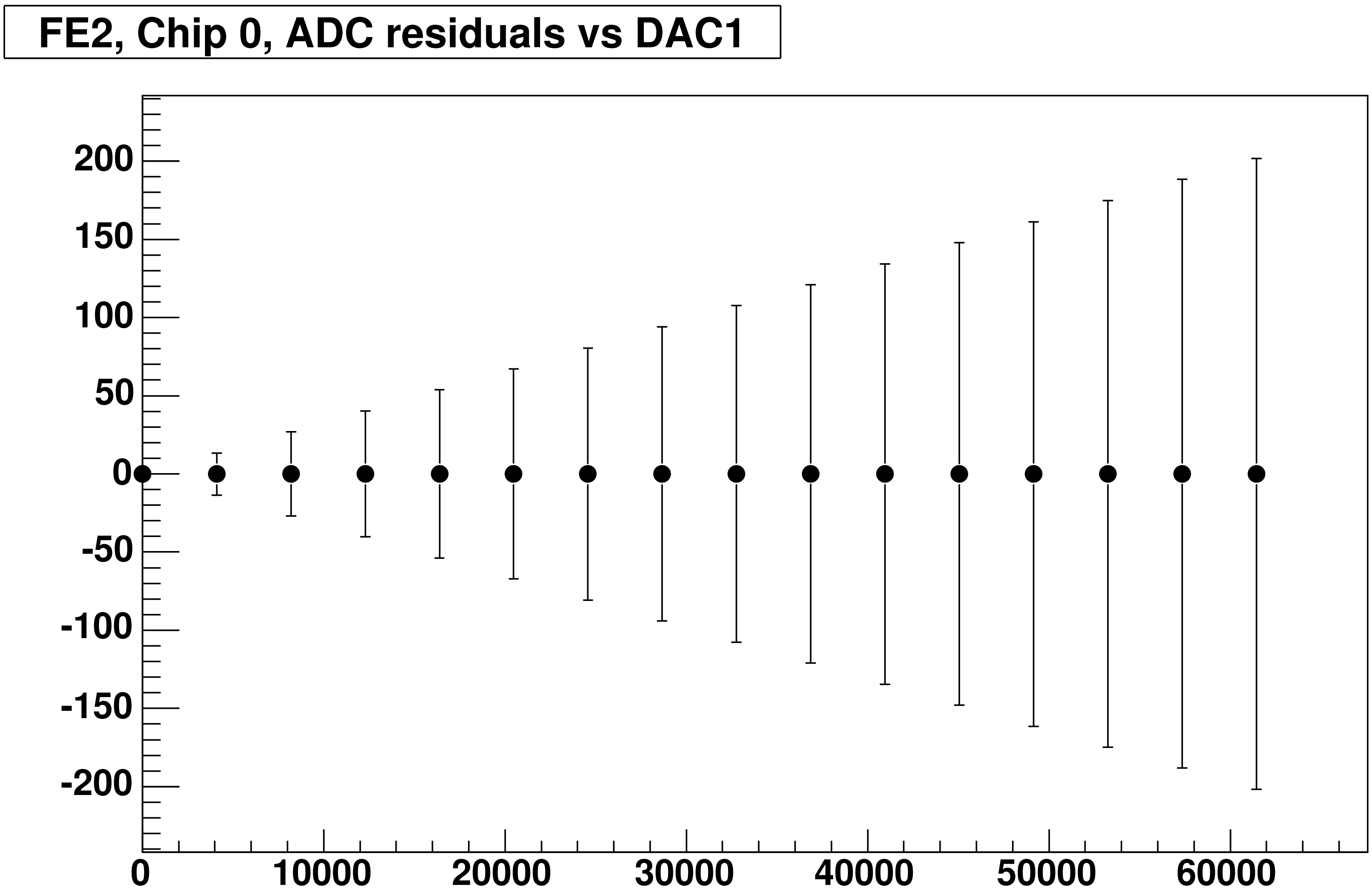

FE2, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

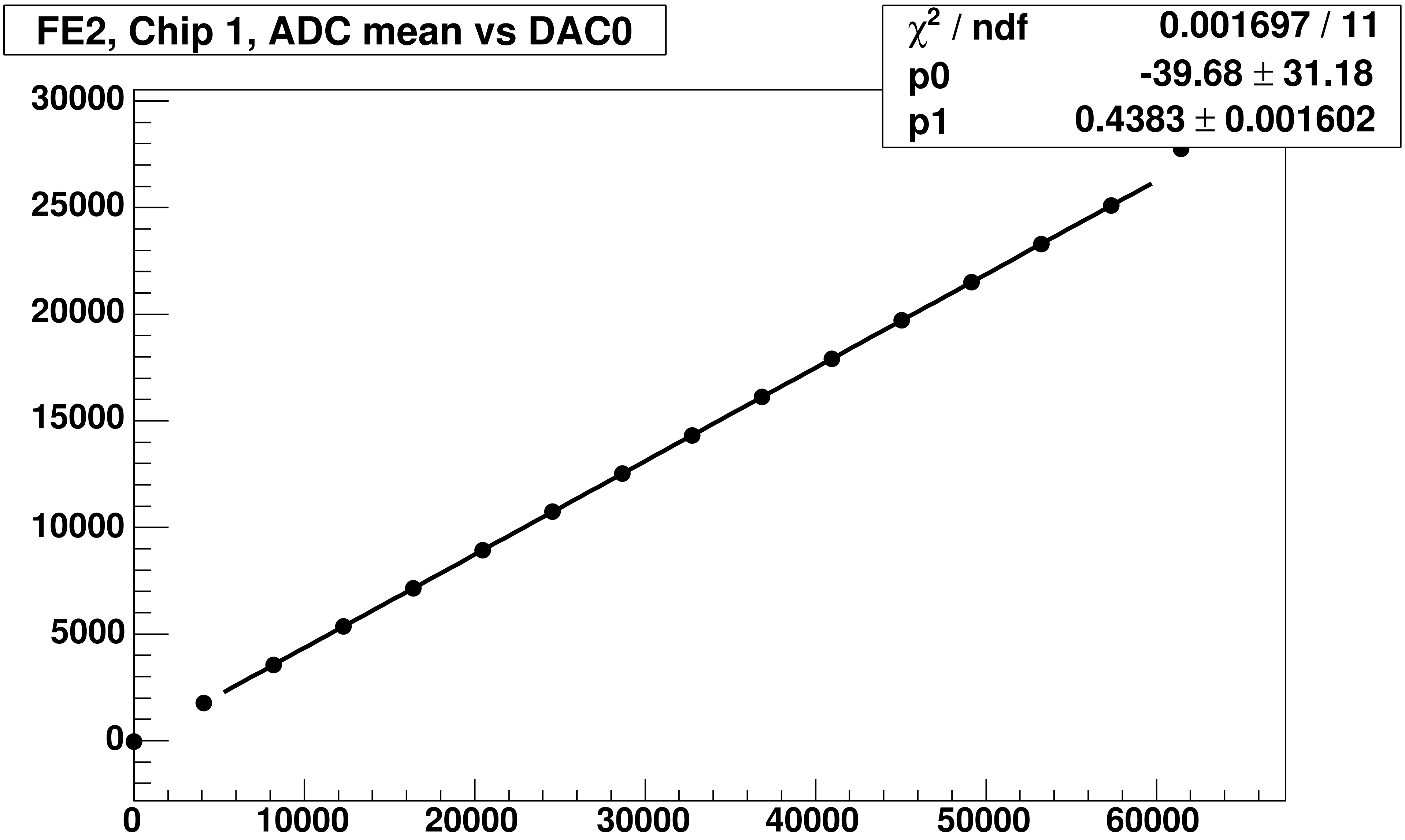

FE2, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

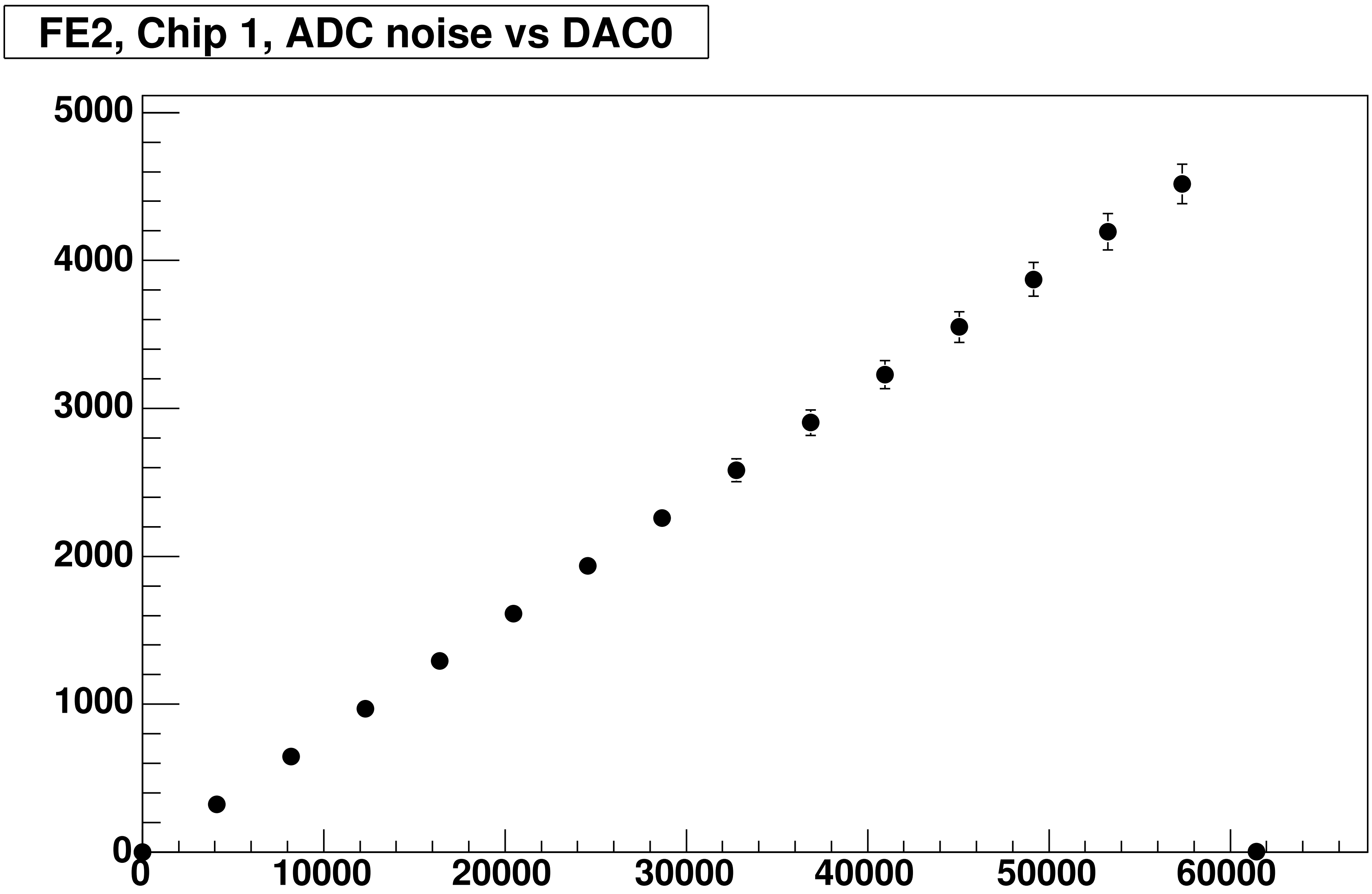


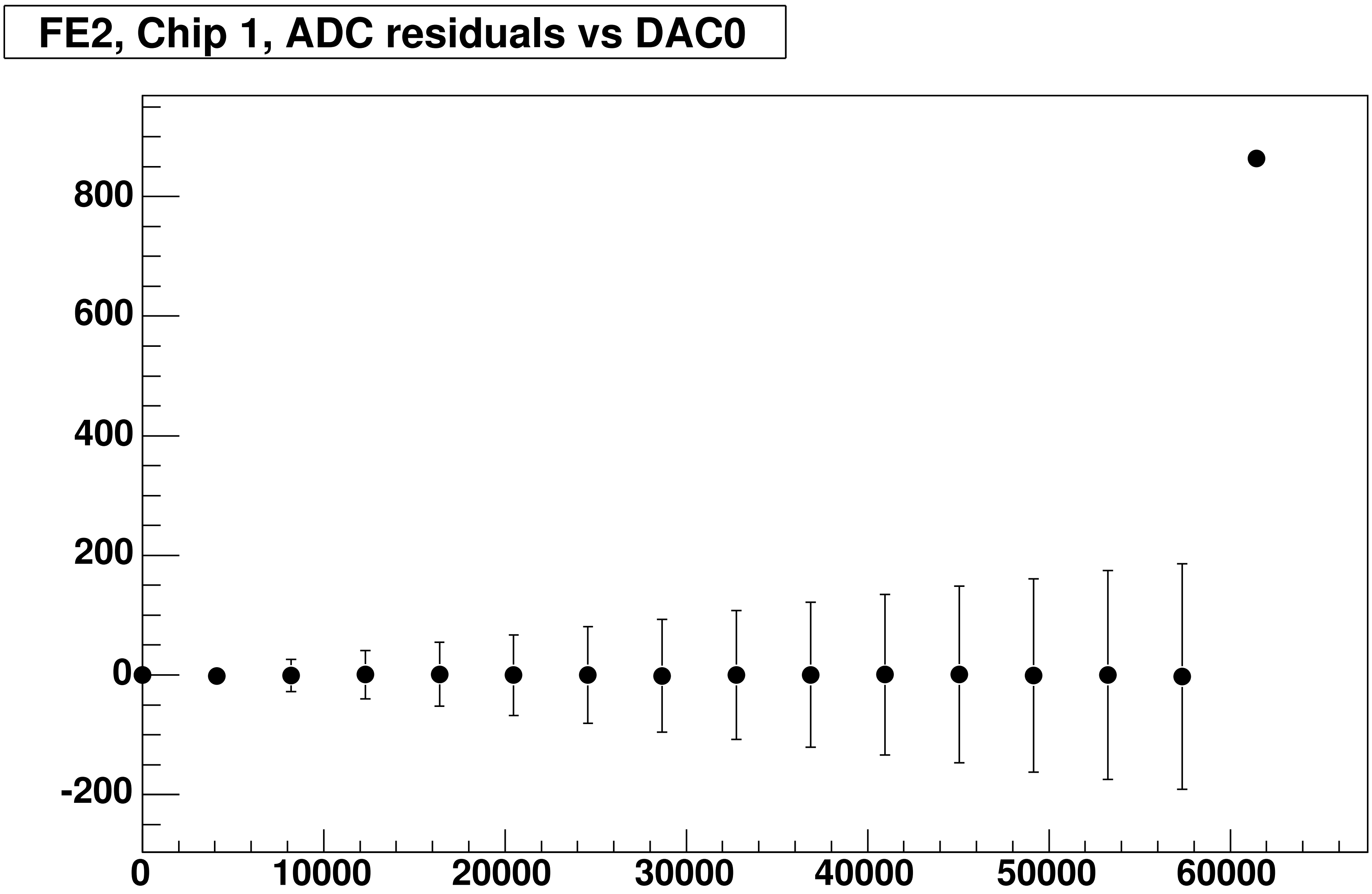
FE2, Chip 0, ADC mean vs DAC1
χ^2 / ndf 6.288e-06 / 11
p0 -36.14 ± 31.17
p1 0.01414 ± 0.001602
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

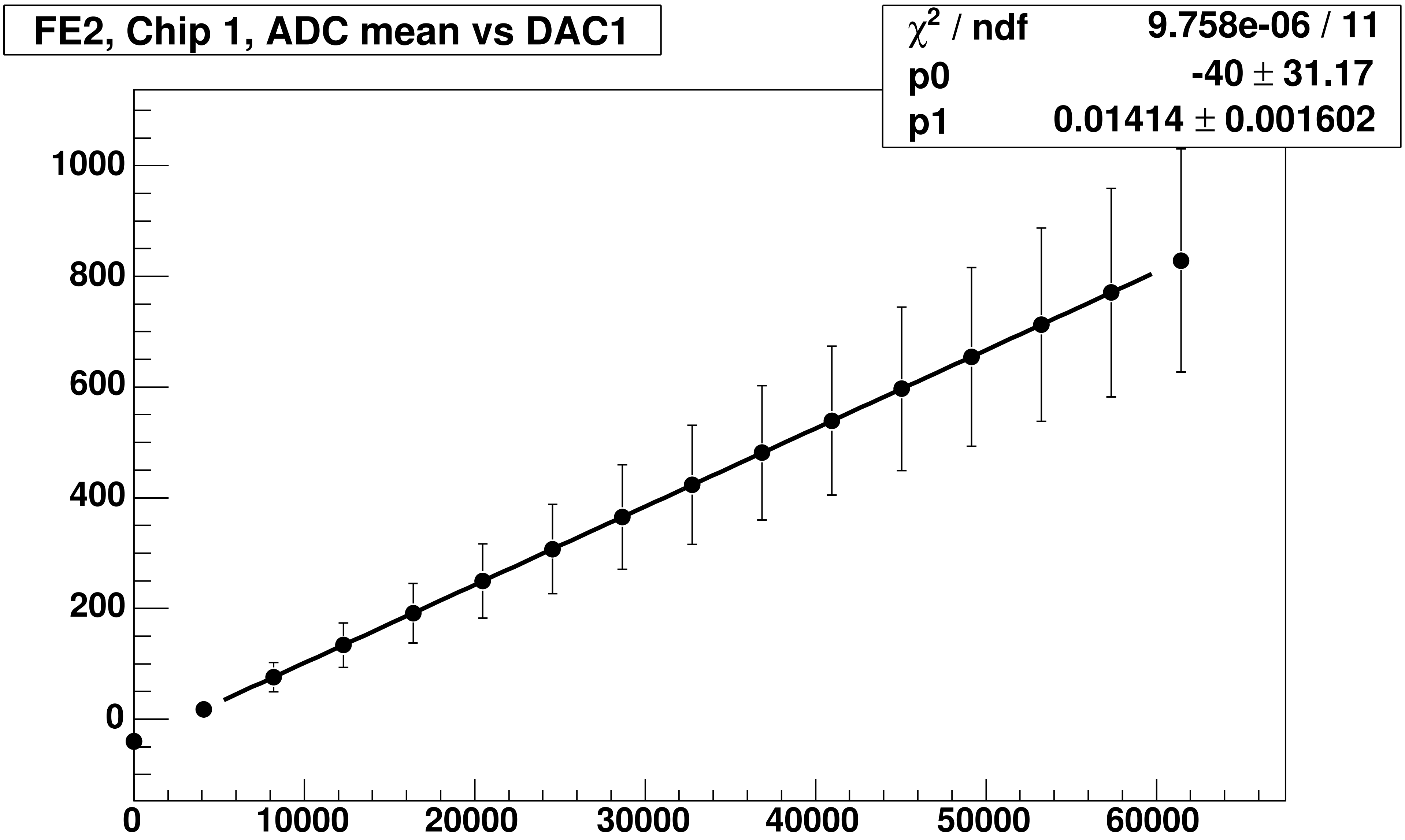

FE2, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

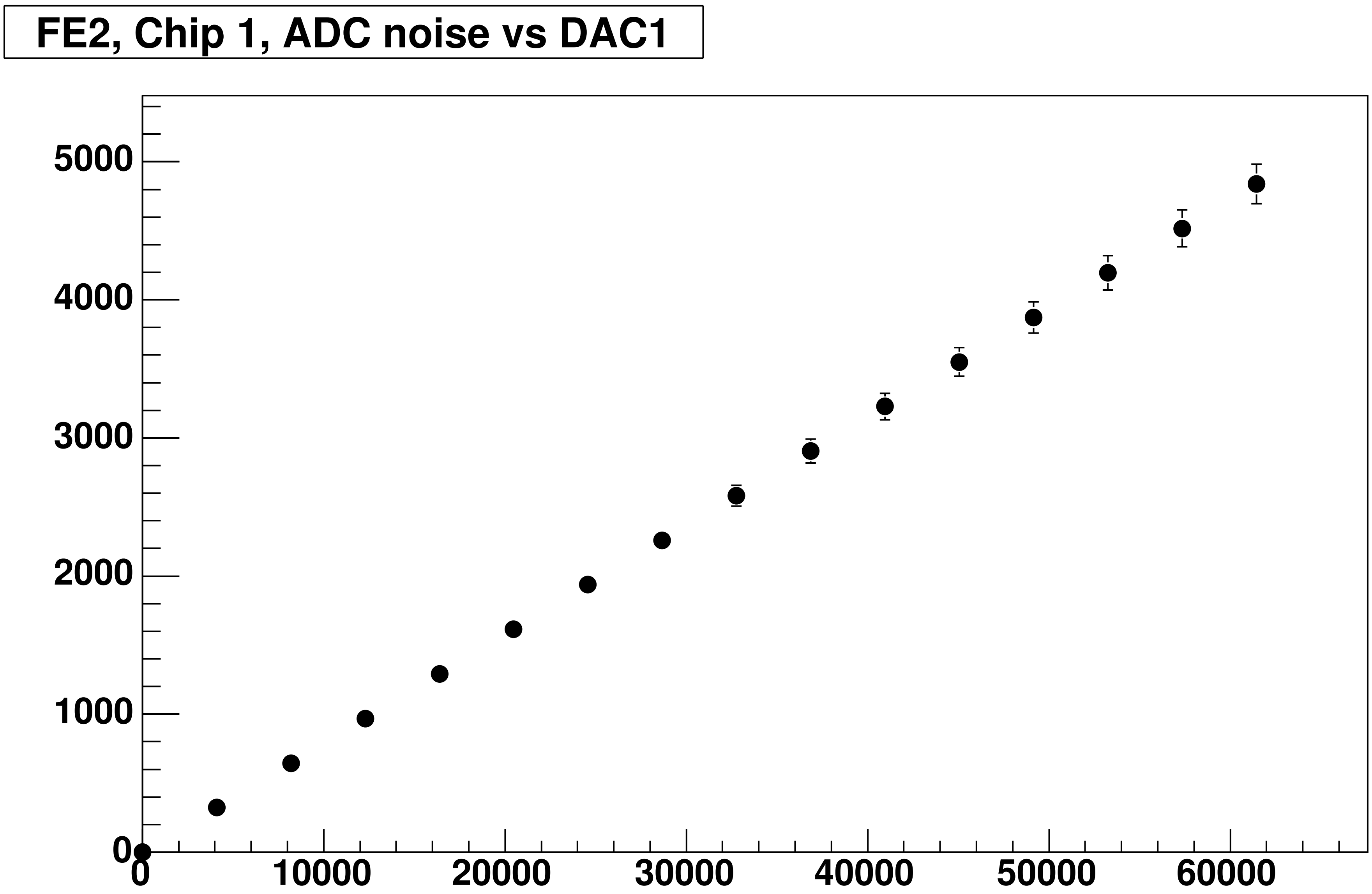

FE2, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.001697 / 11
p0 -39.68 ± 31.18
p1 0.4383 ± 0.001602
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

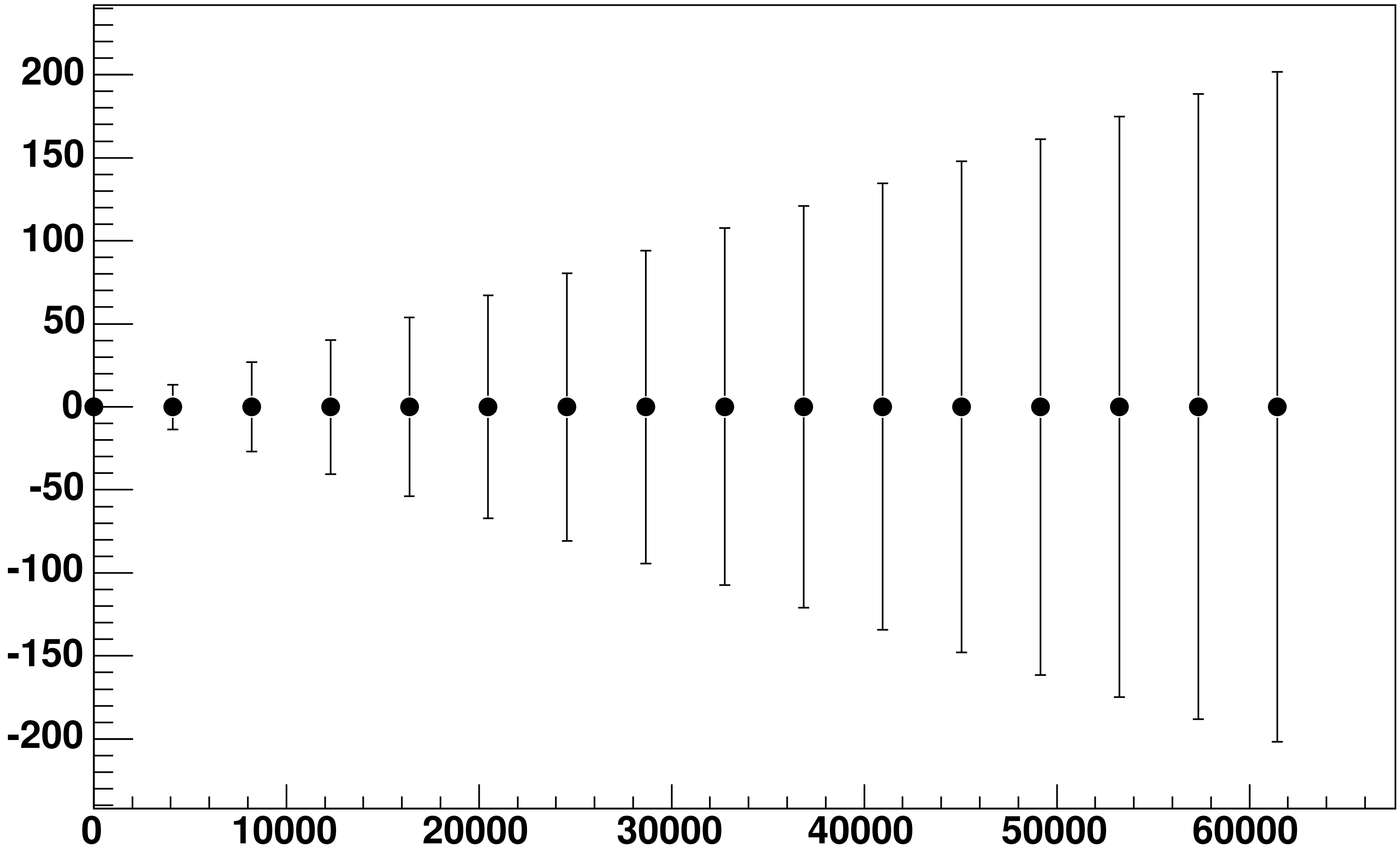

FE2, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

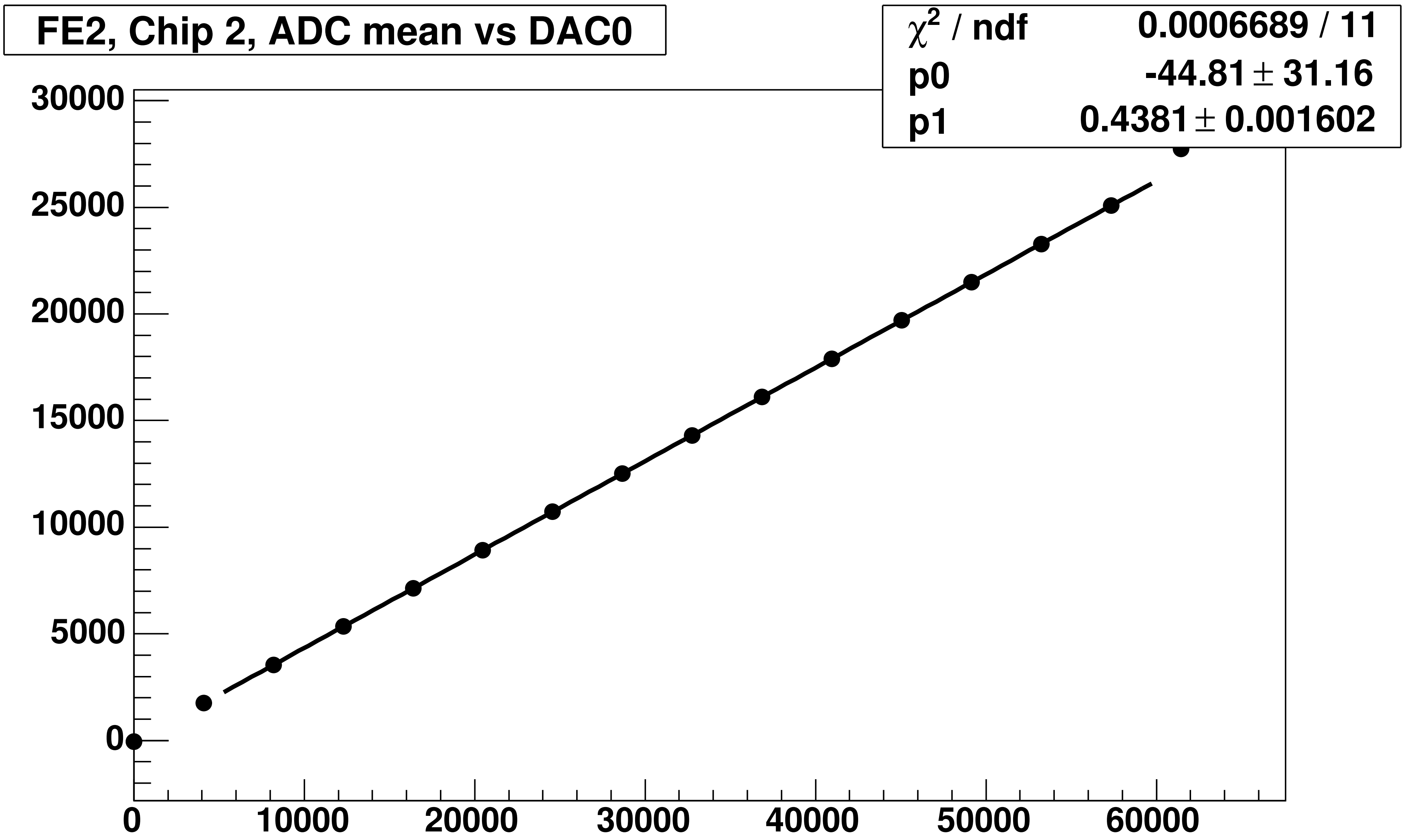

FE2, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 1, ADC mean vs DAC1
χ^2 / ndf 9.758e-06 / 11
p0 -40 ± 31.17
p1 0.01414 ± 0.001602
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

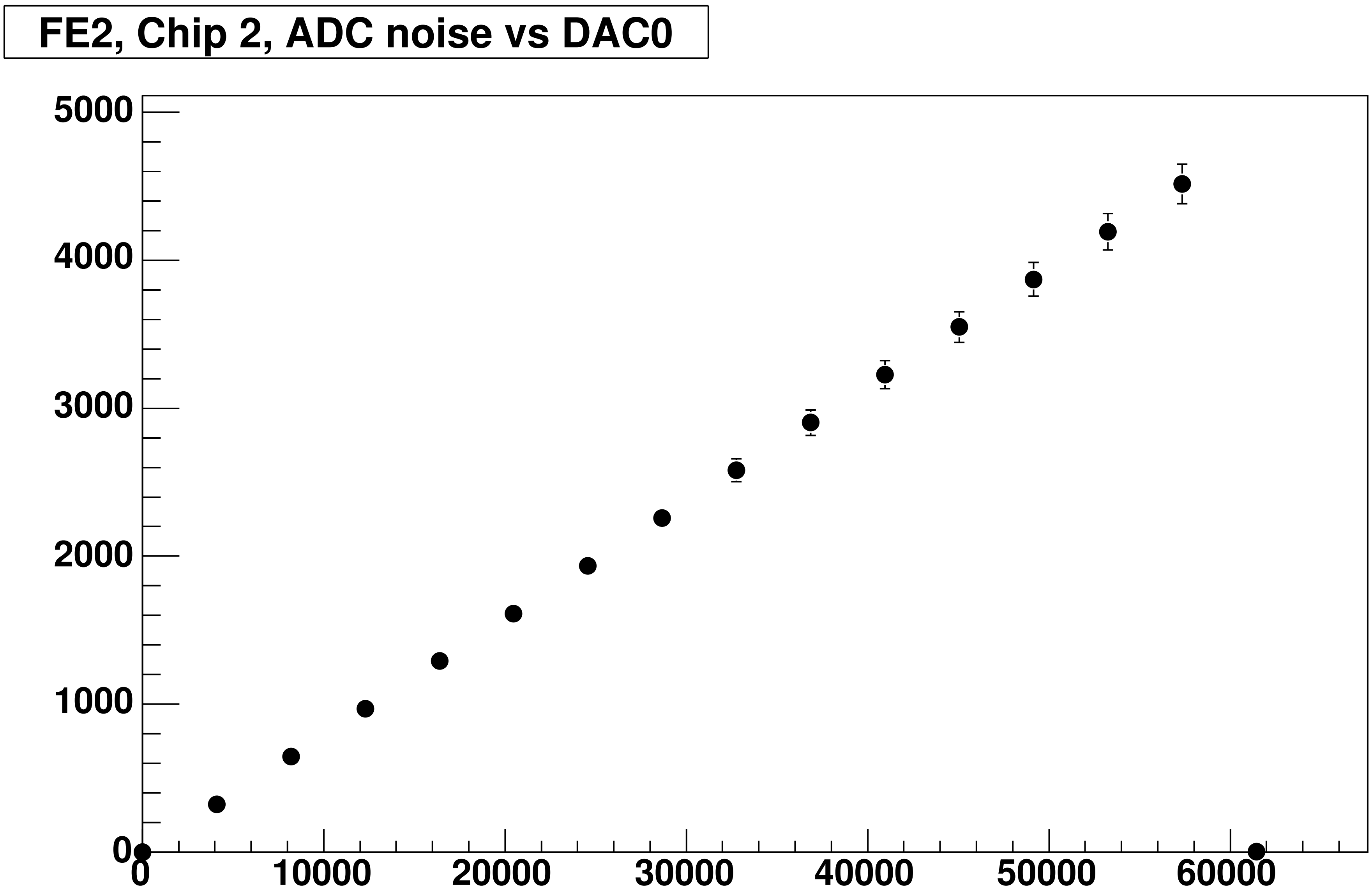

FE2, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

FE2, Chip 1, ADC residuals vs DAC1

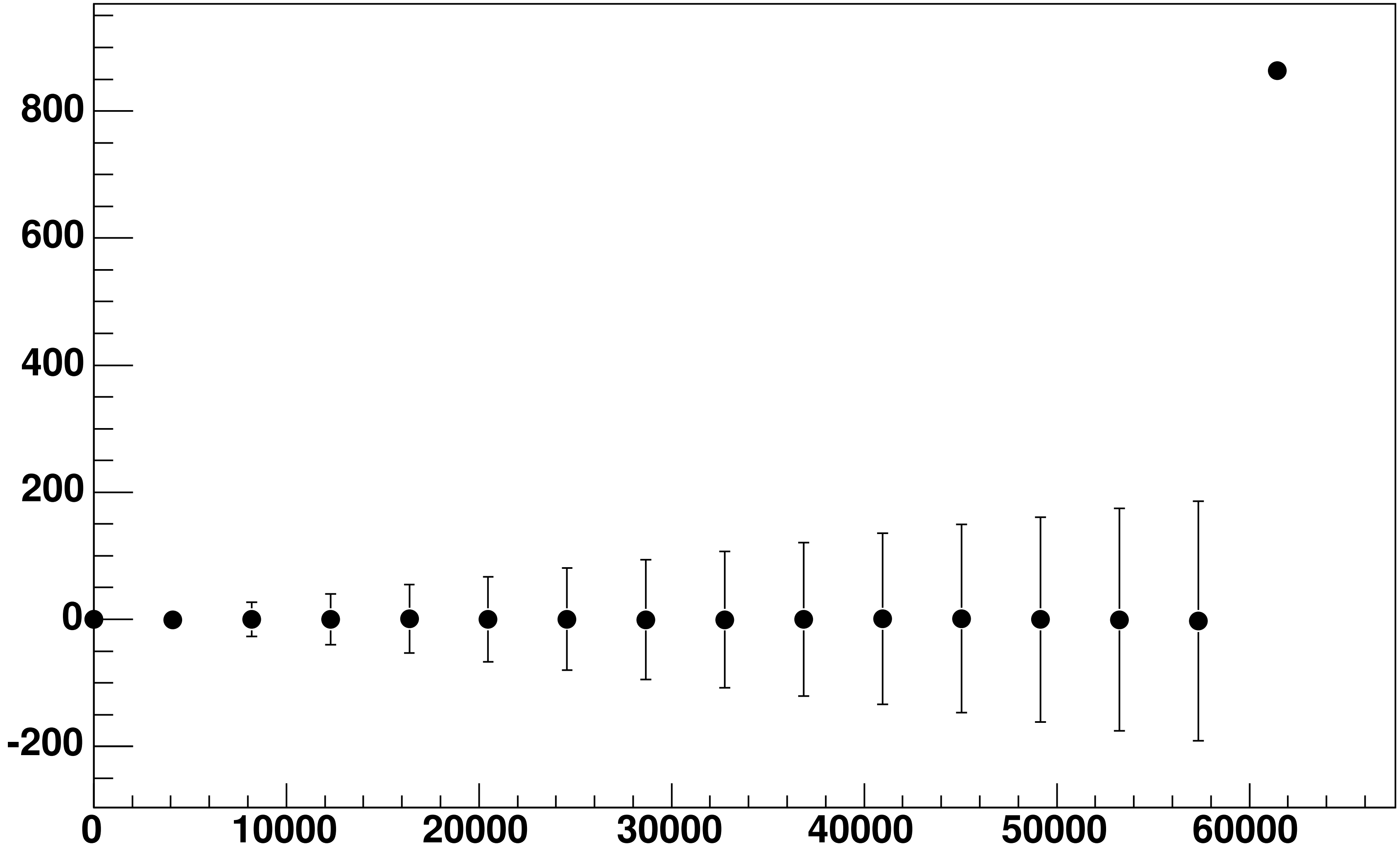


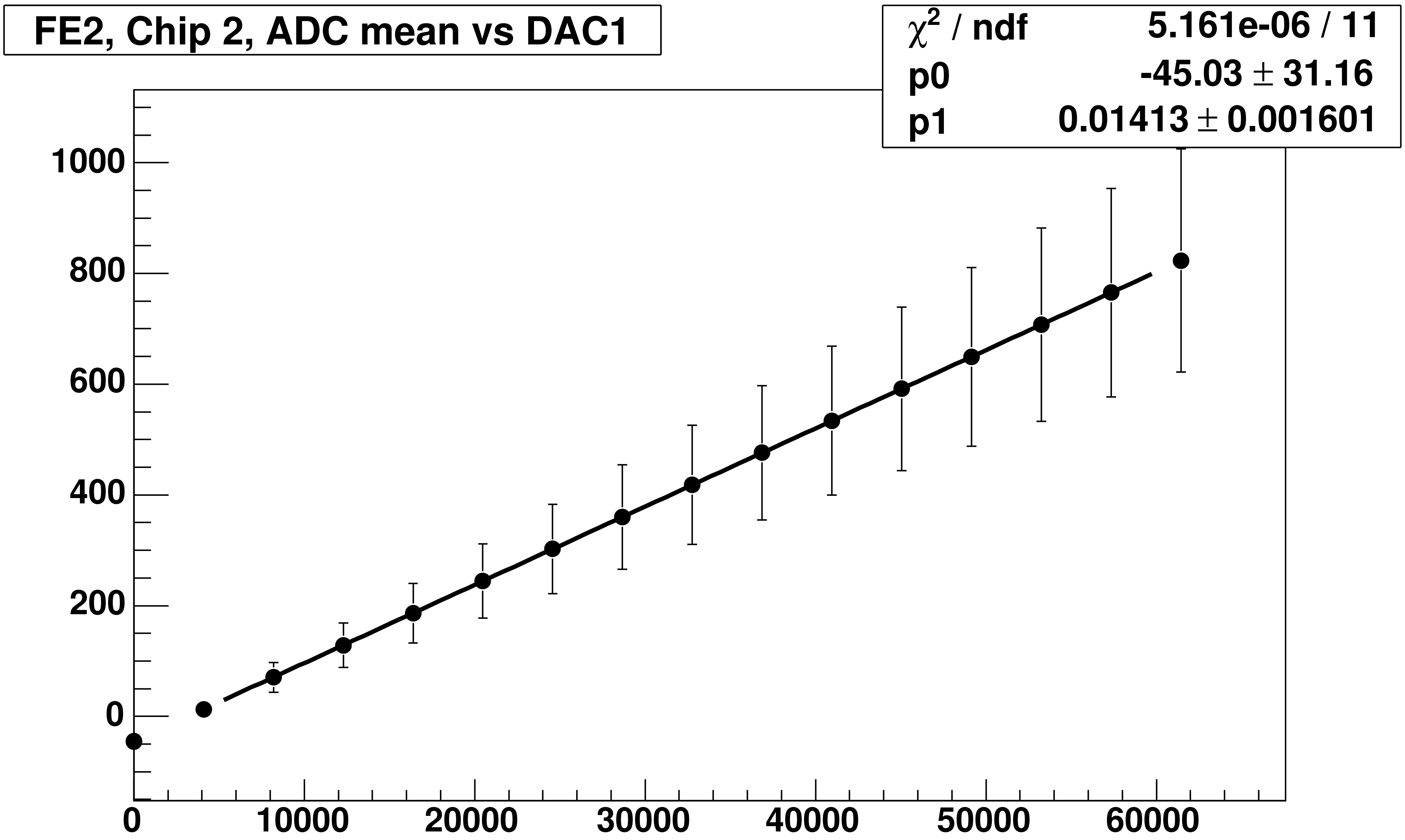


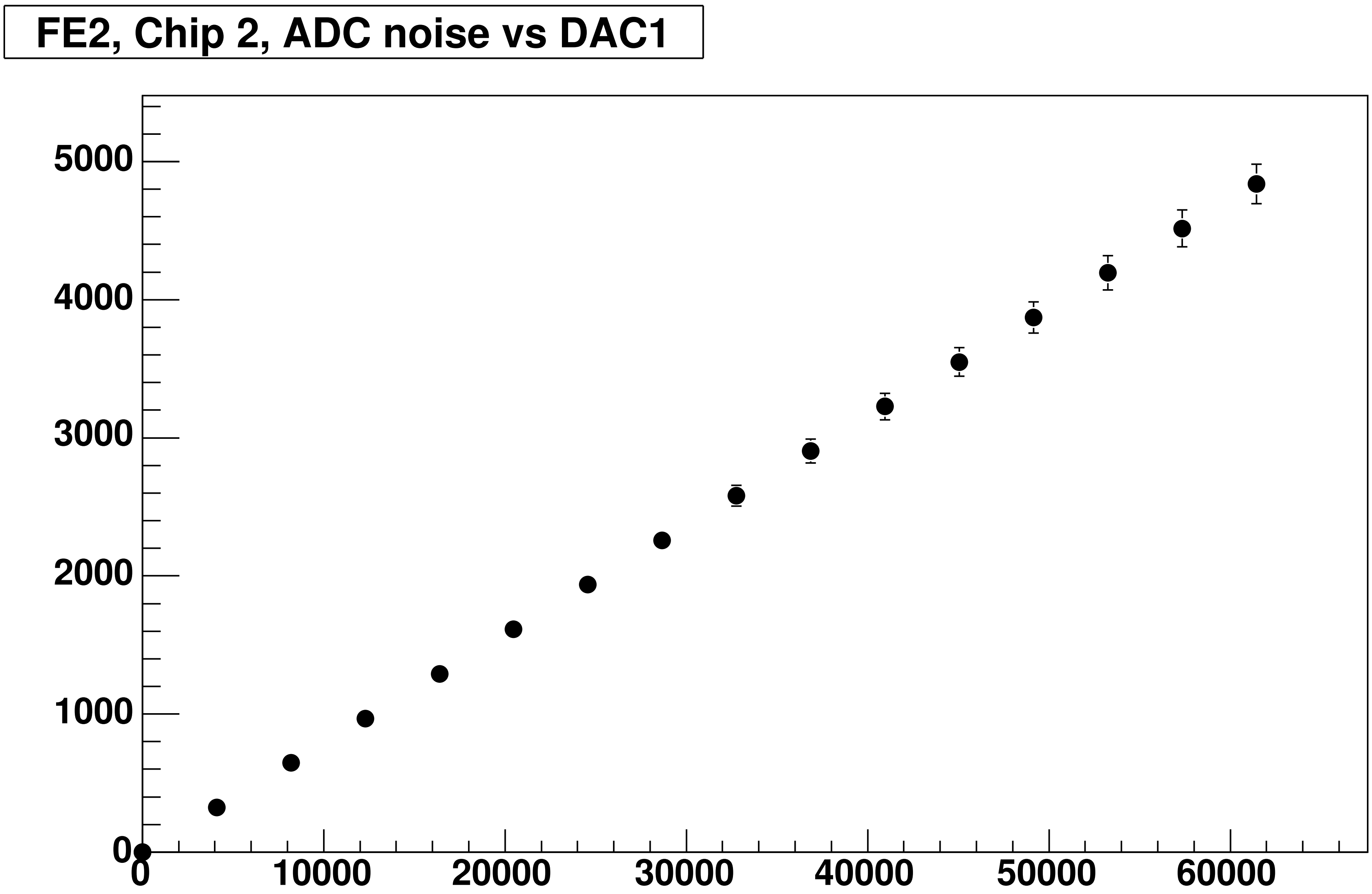
FE2, Chip 2, ADC mean vs DAC0
χ² / ndf 0.0006689 / 11
p0 -44.81 ± 31.16
p1 0.4381 ± 0.001602
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

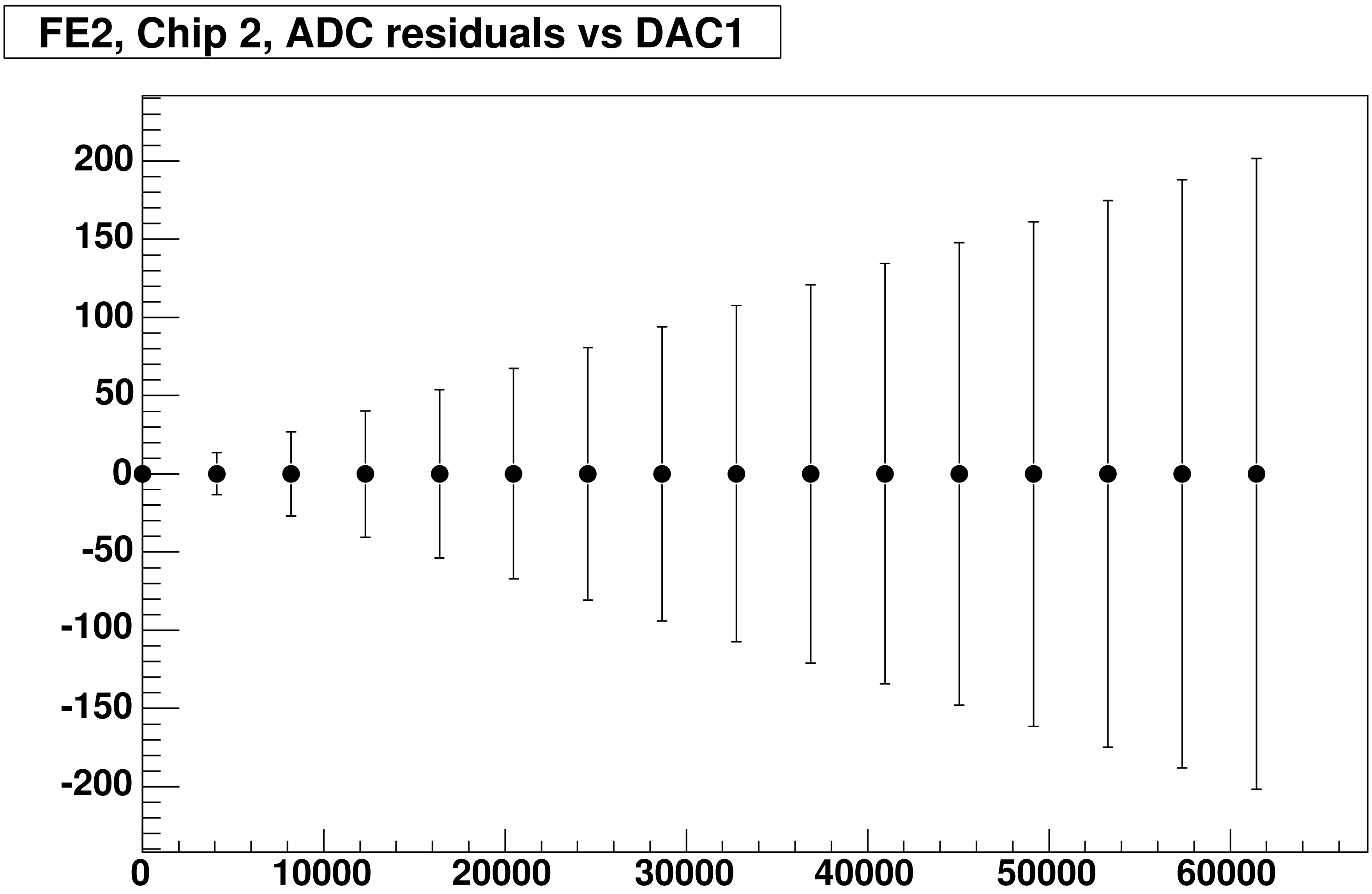

FE2, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

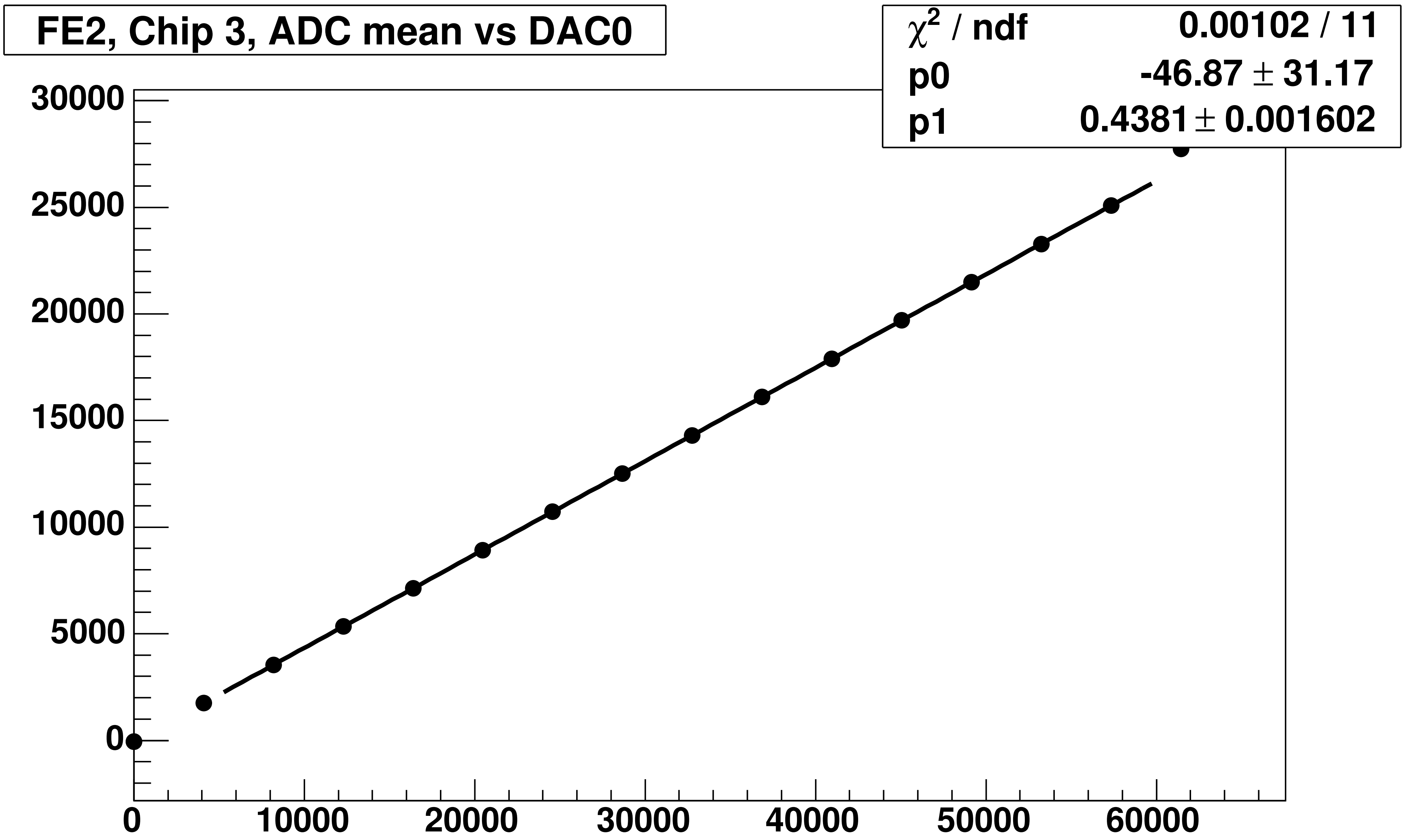
FE2, Chip 2, ADC residuals vs DAC0

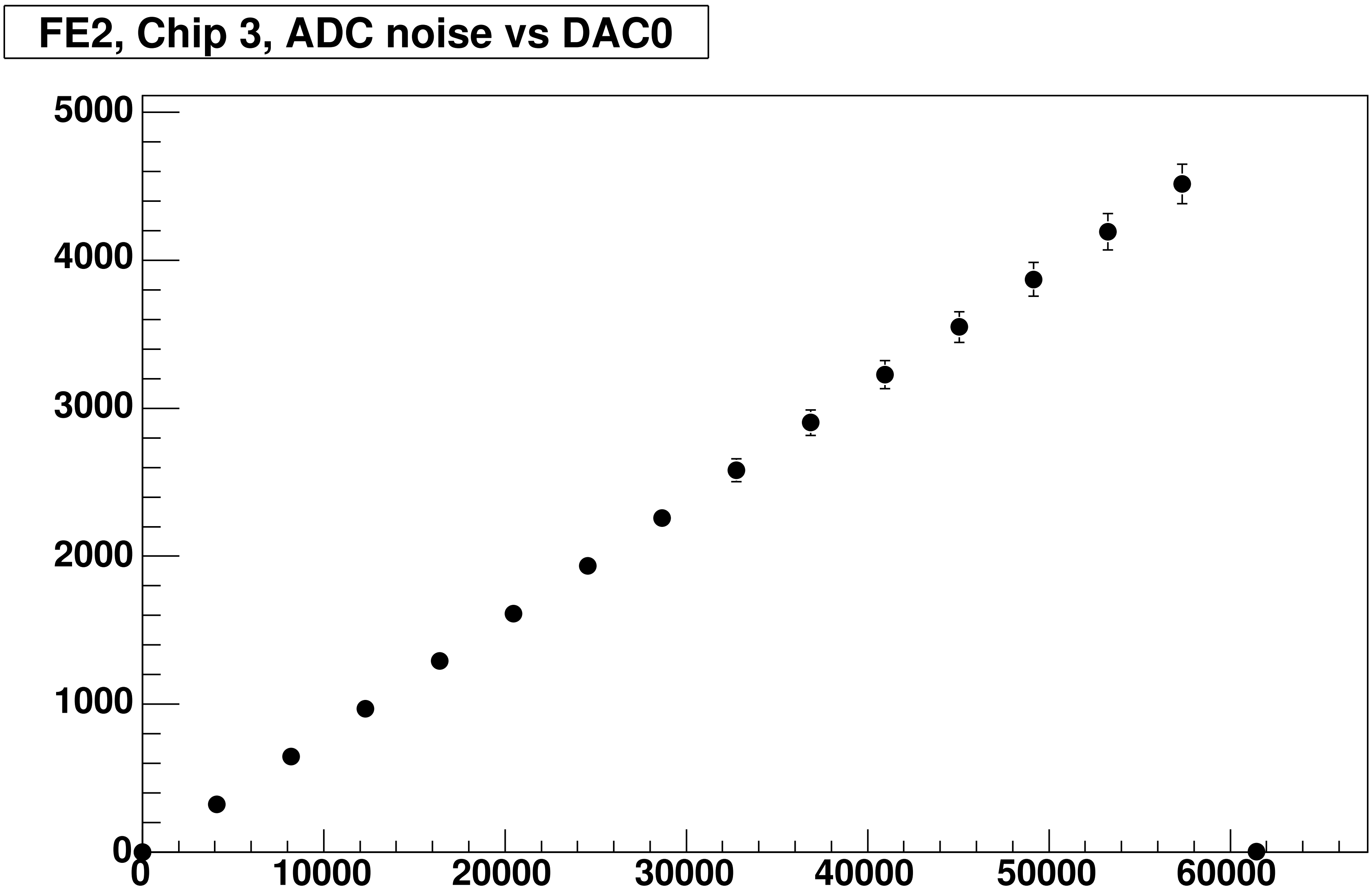


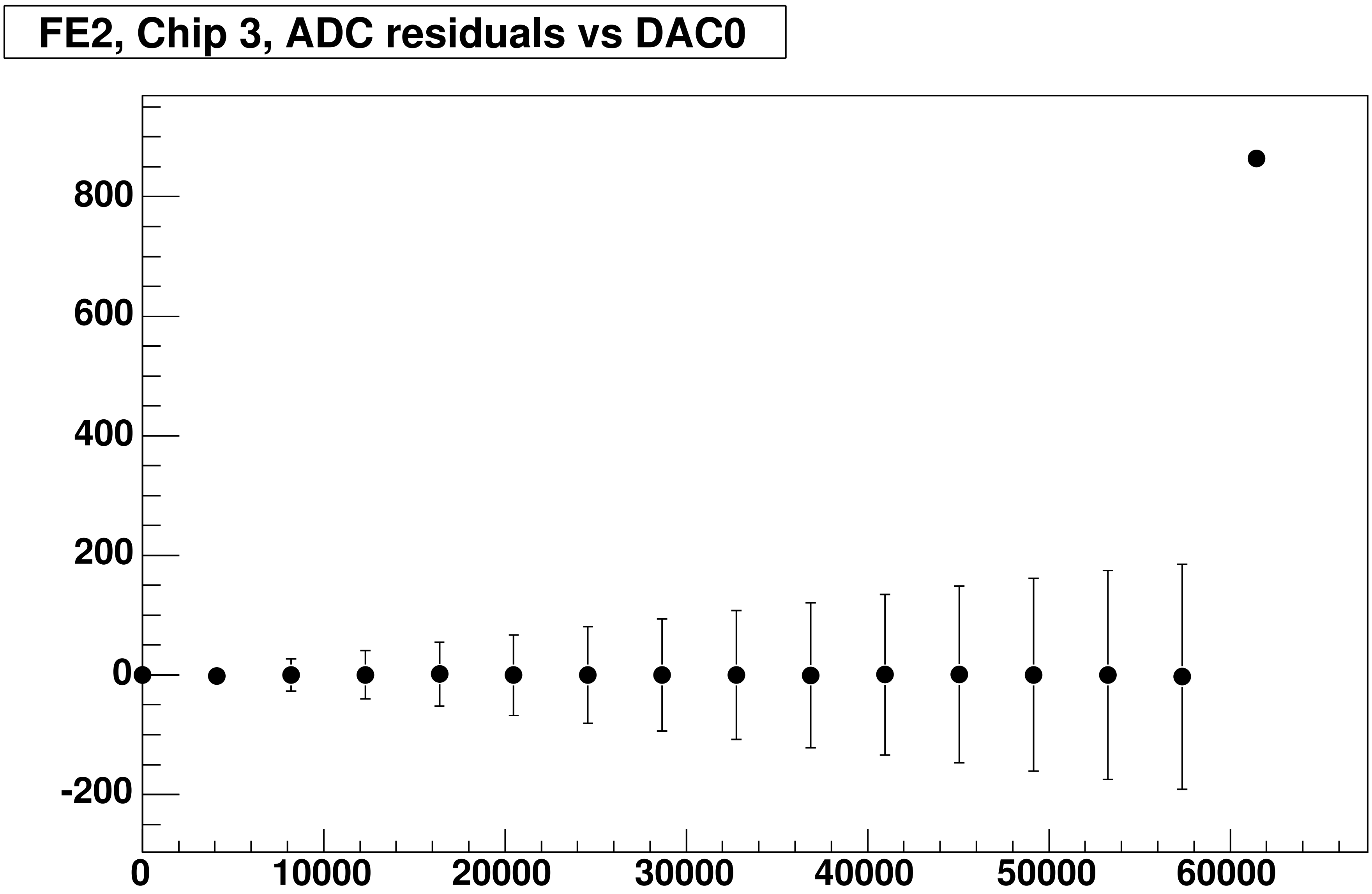

FE2, Chip 2, ADC mean vs DAC1
χ^2 / ndf 5.161e-06 / 11
p0 -45.03 ± 31.16
p1 0.01413 ± 0.001601
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

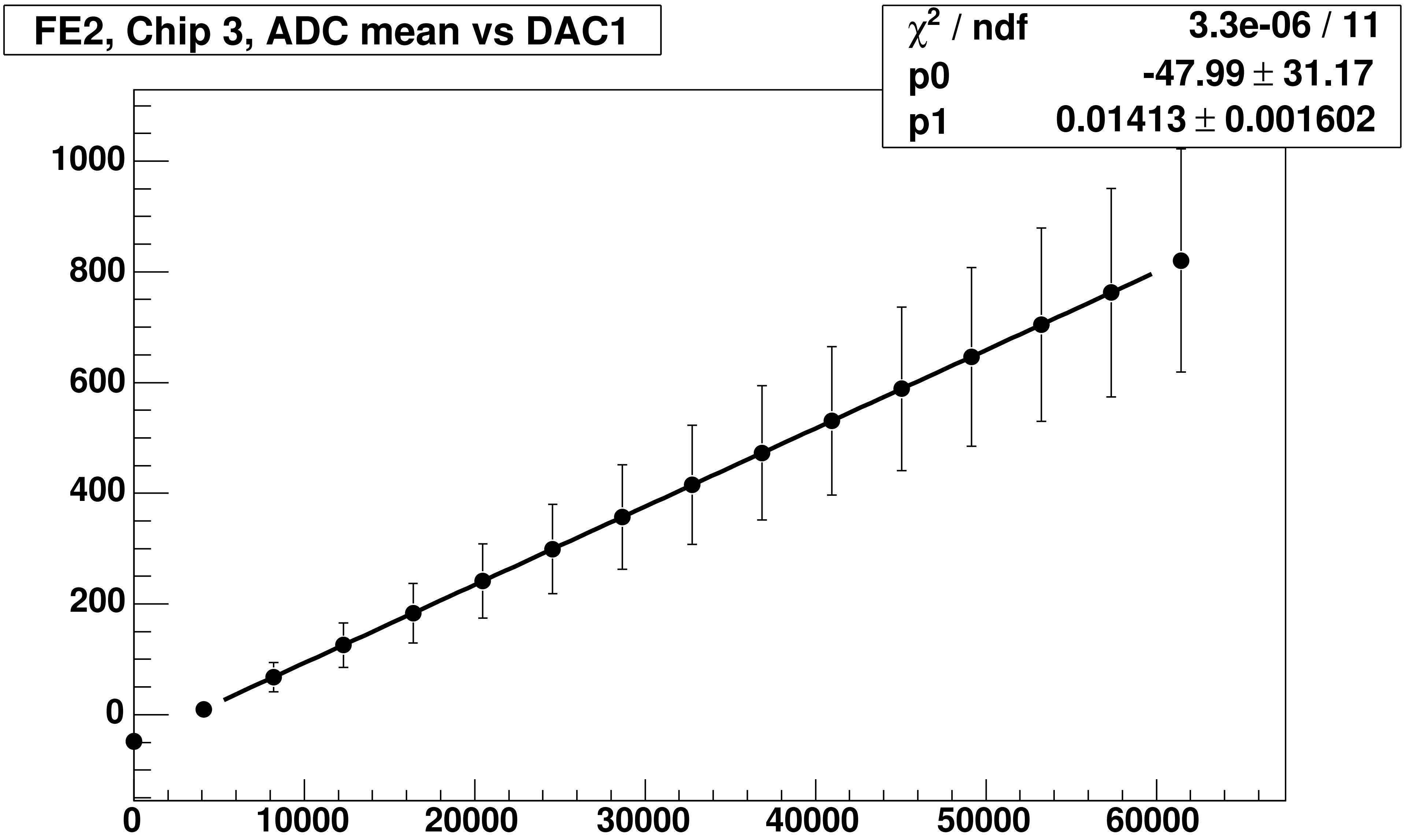

FE2, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

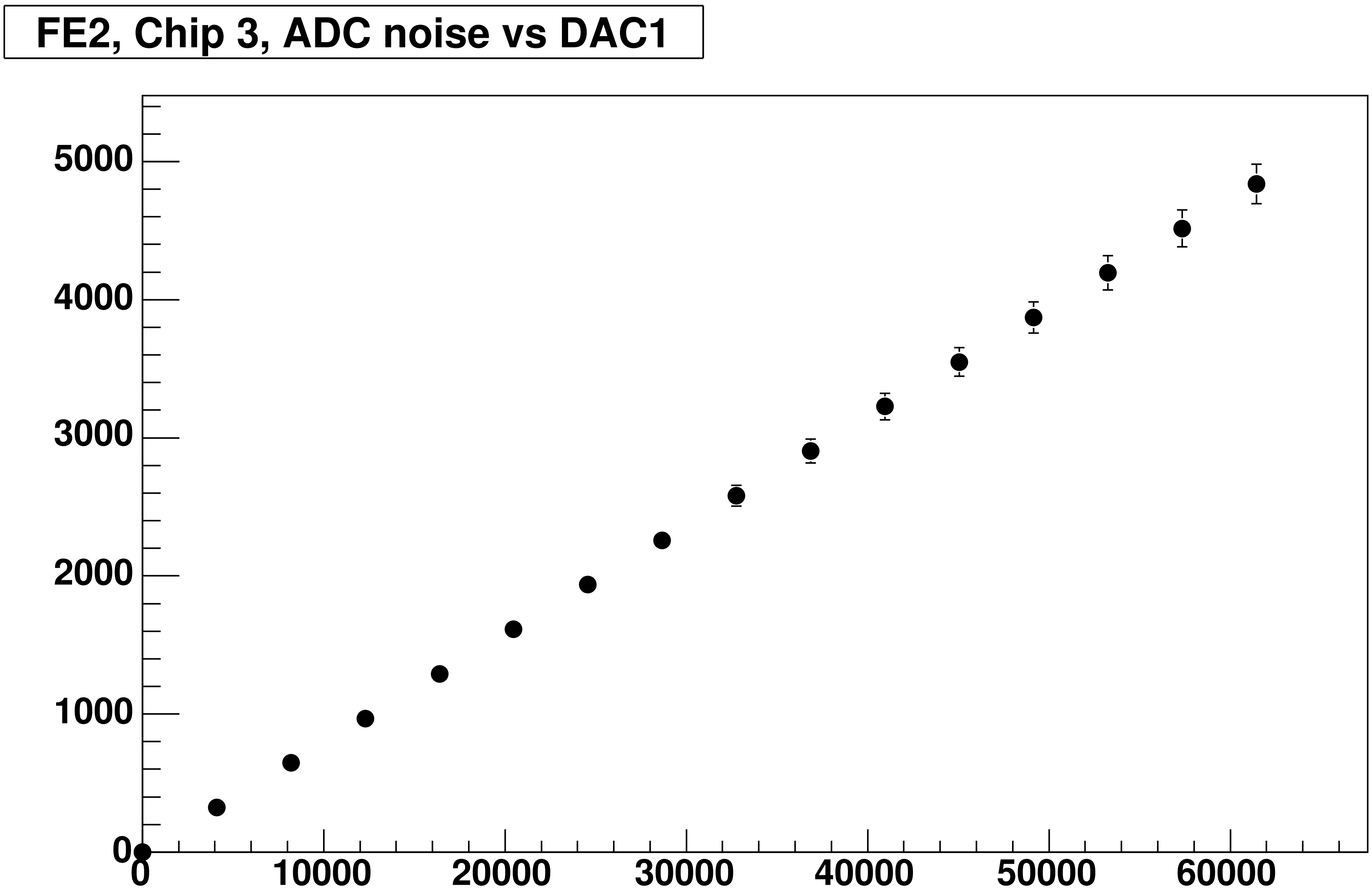

FE2, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

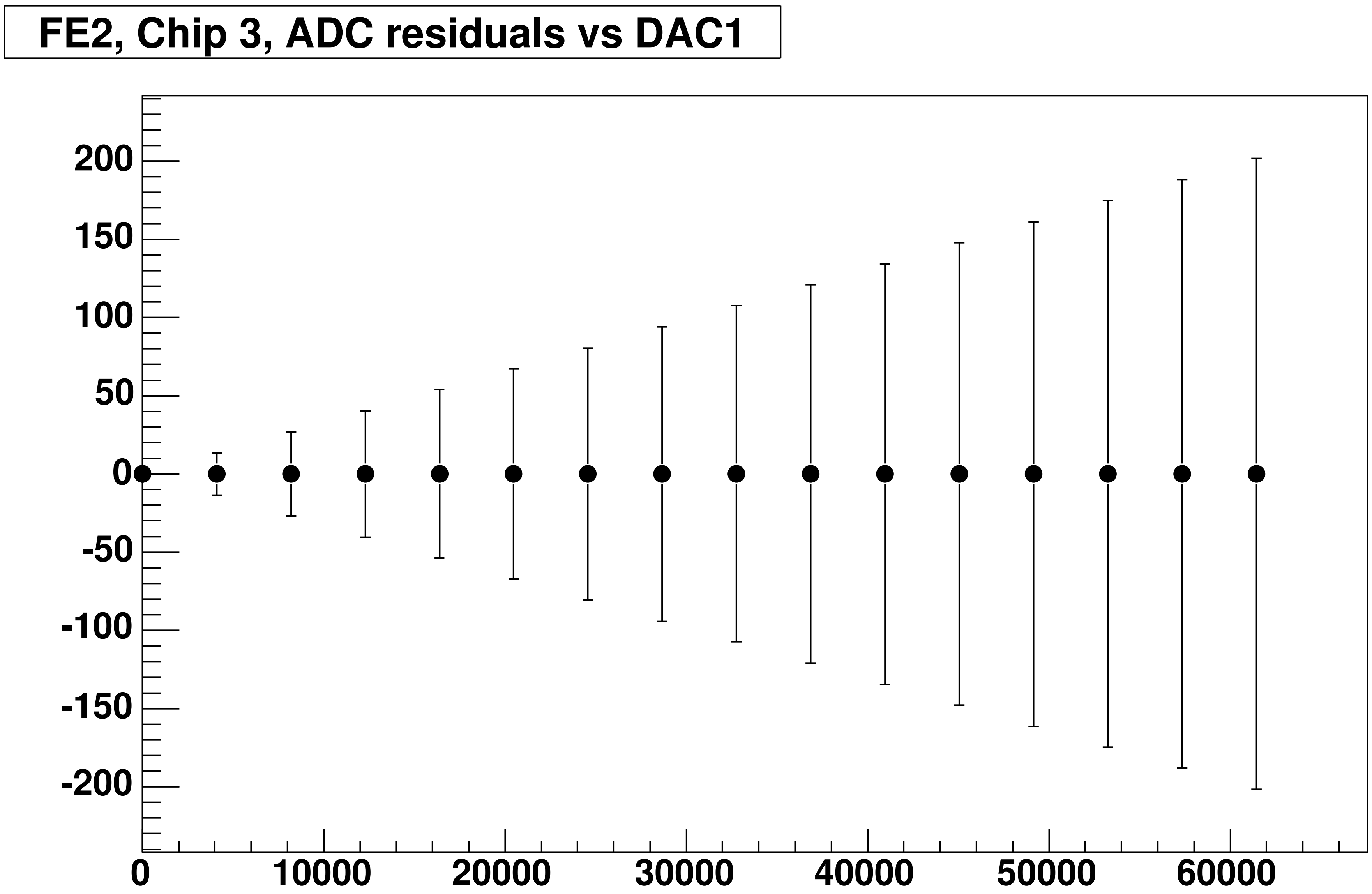

FE2, Chip 3, ADC mean vs DAC0
χ² / ndf 0.00102 / 11
p0 -46.87 ± 31.17
p1 0.4381 ± 0.001602
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

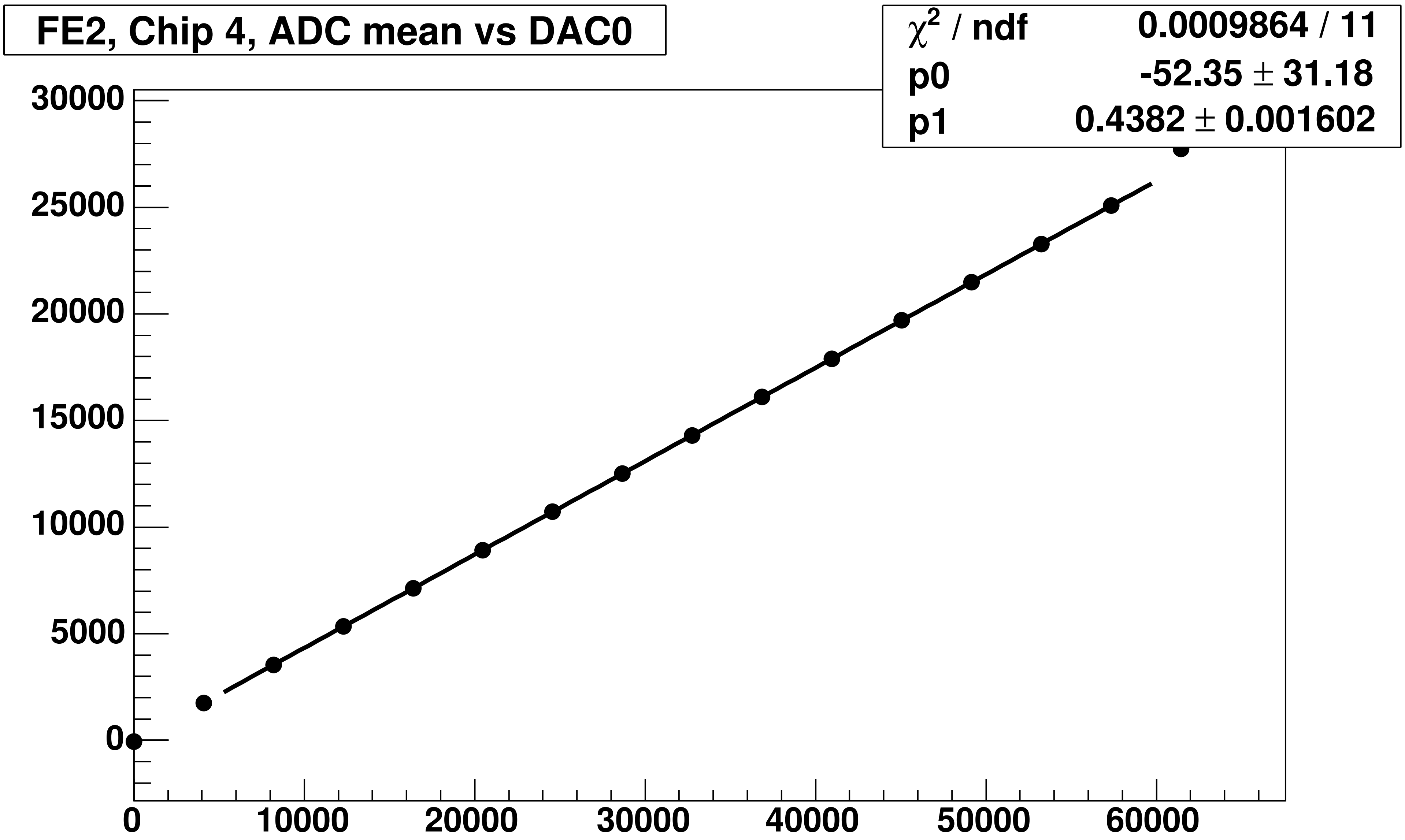

FE2, Chip 3, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

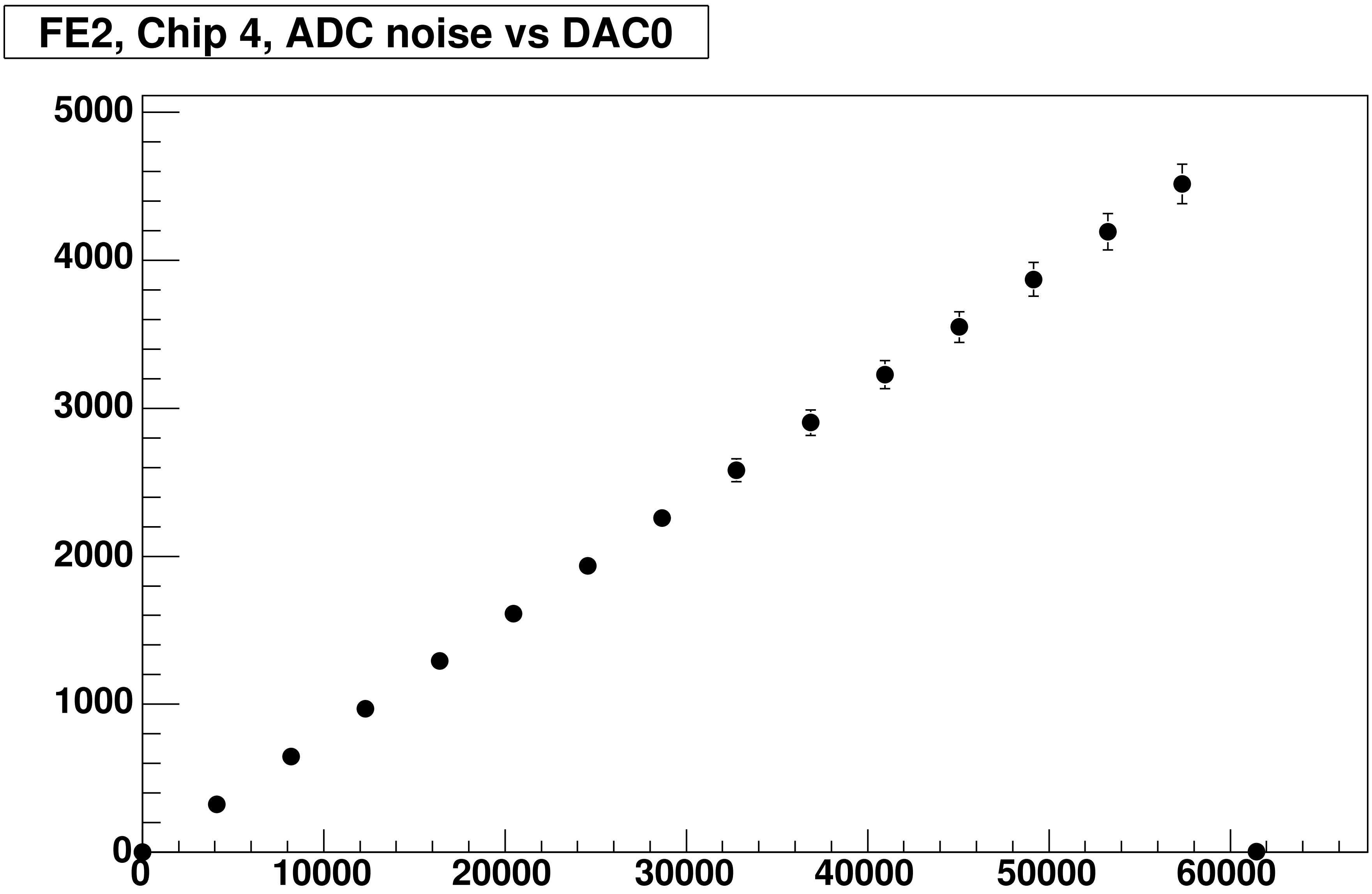

FE2, Chip 3, ADC mean vs DAC1
χ2 / ndf 3.3e-06 / 11
p0 -47.99 ± 31.17
p1 0.01413 ± 0.001602
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

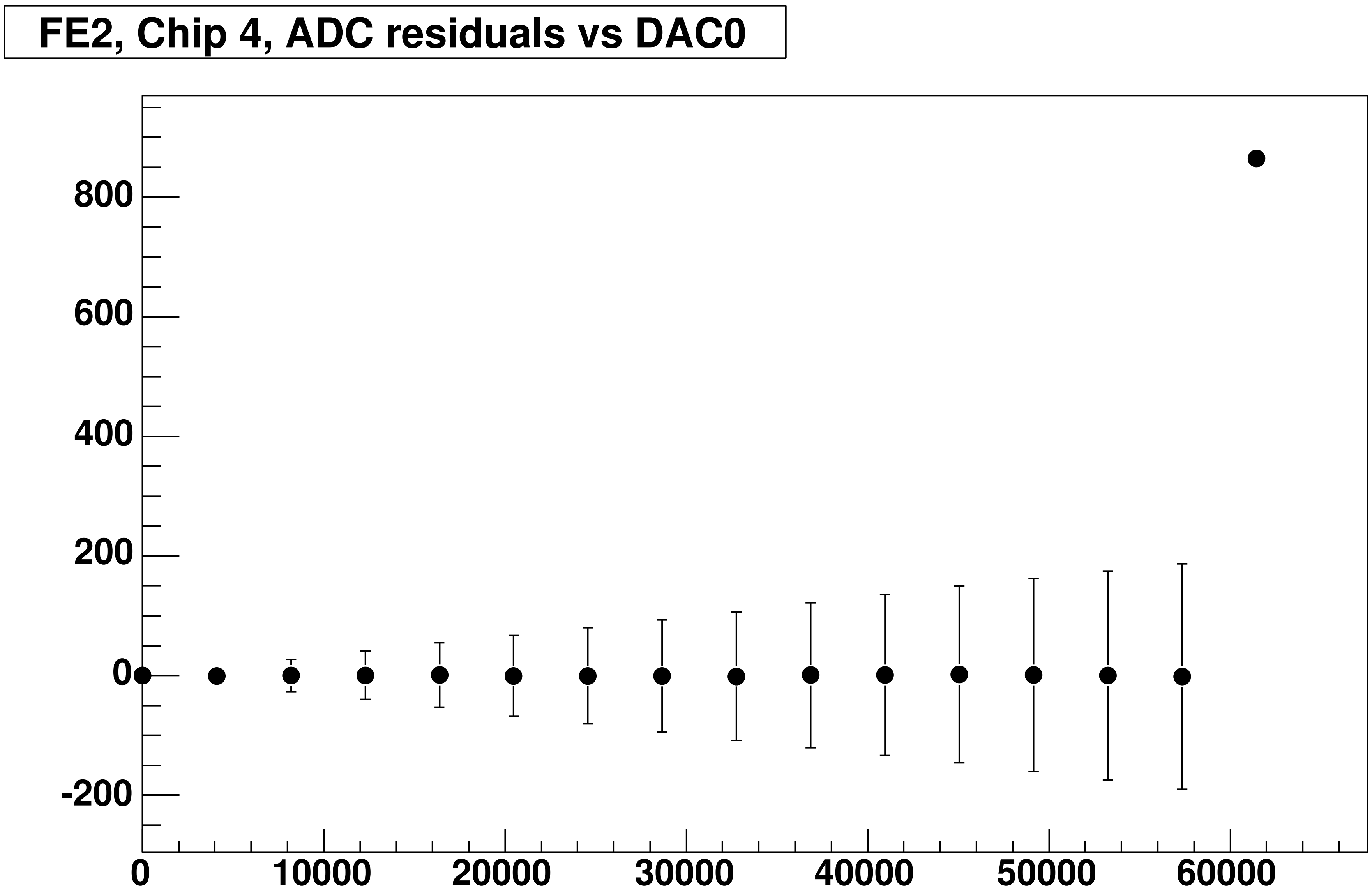

FE2, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

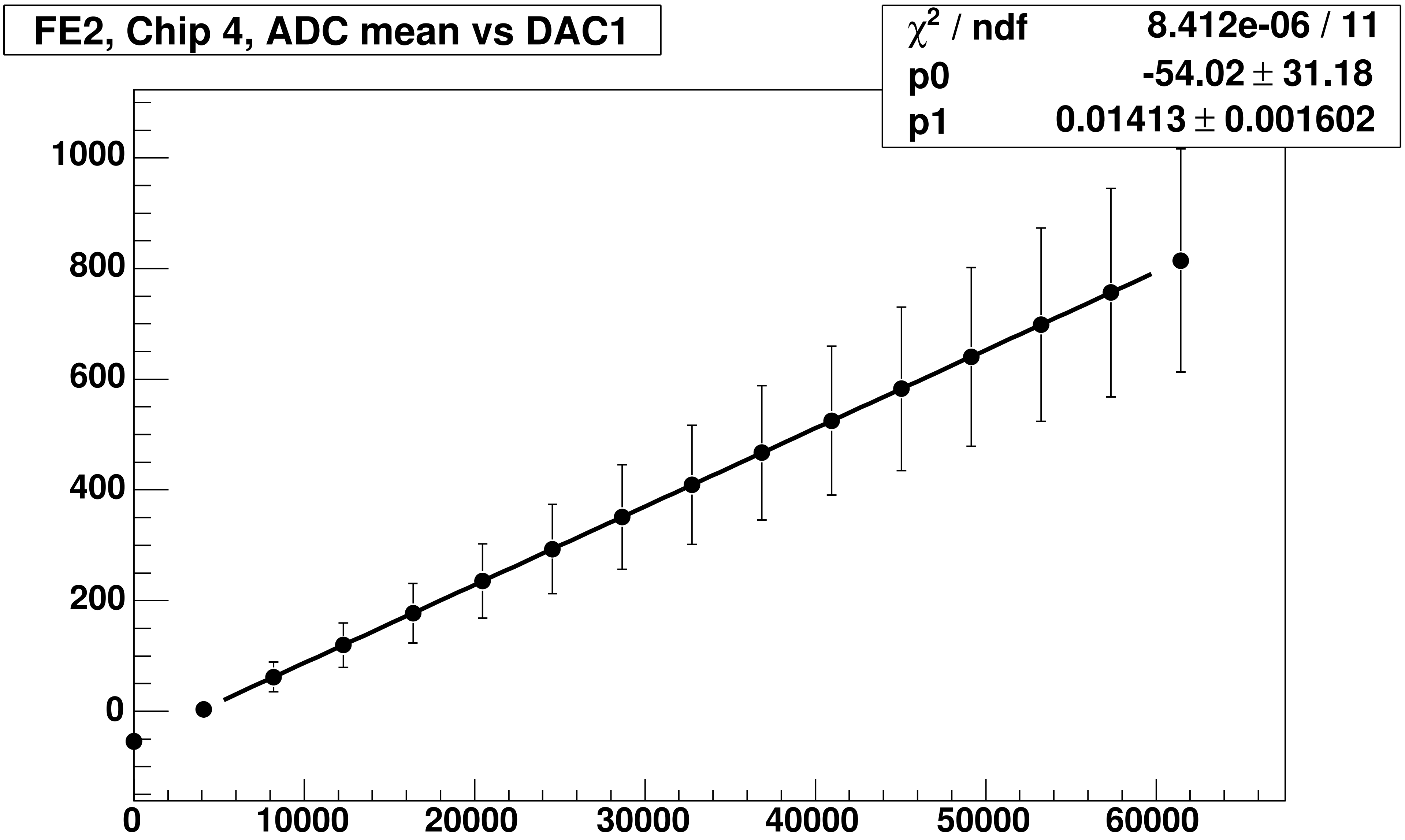

FE2, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

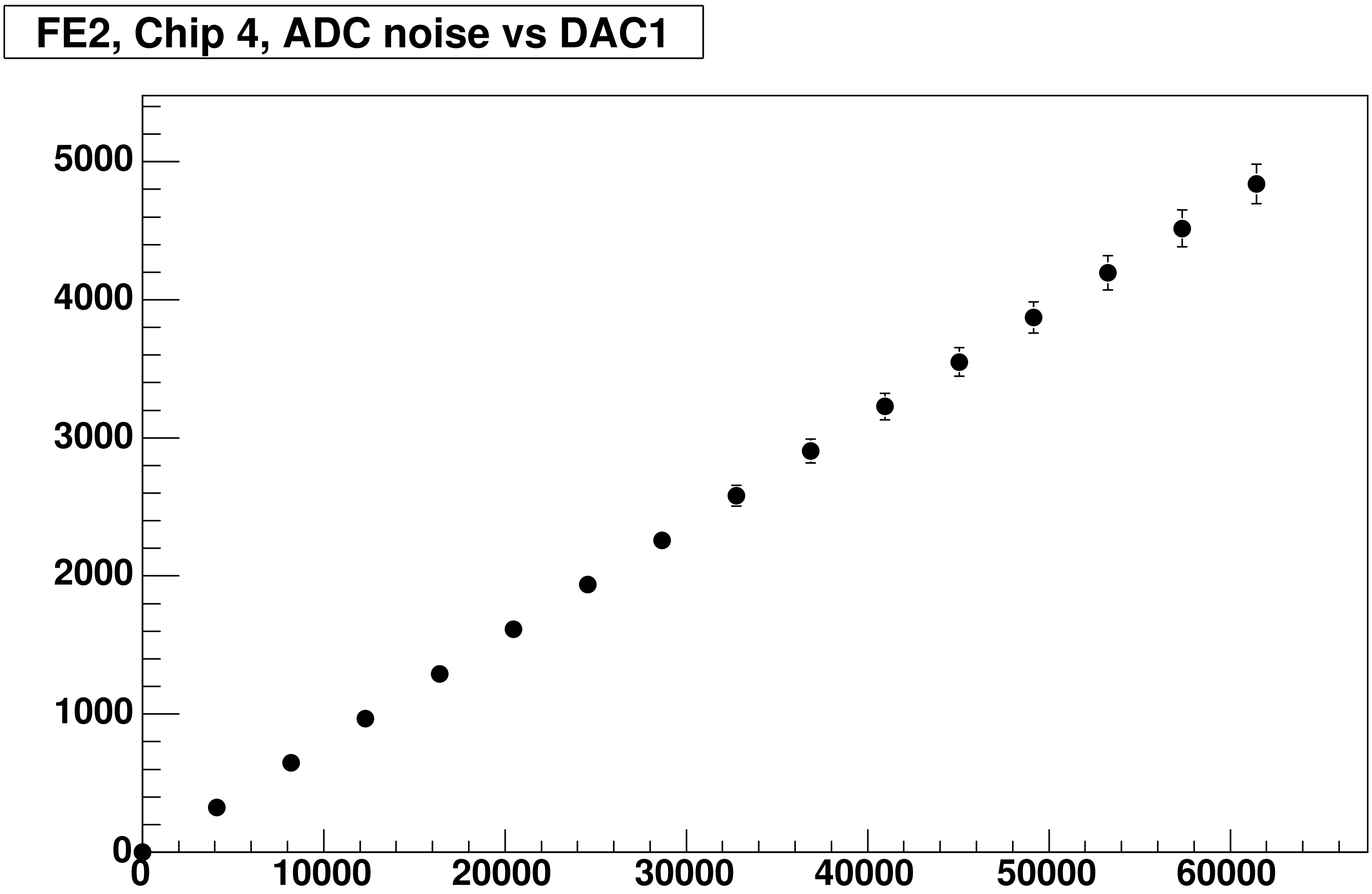


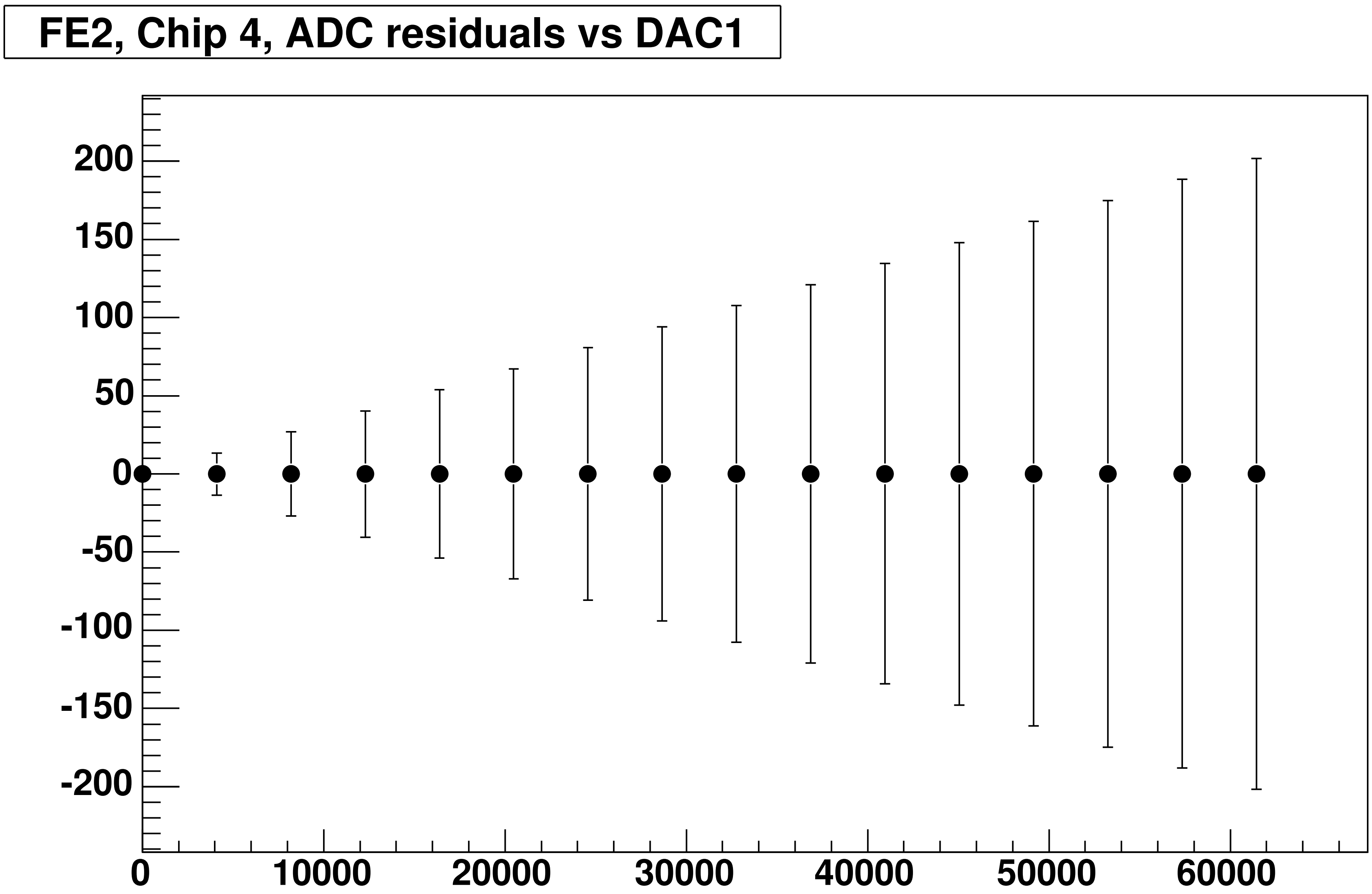
FE2, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.0009864 / 11
p0 -52.35 ± 31.18
p1 0.4382 ± 0.001602
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

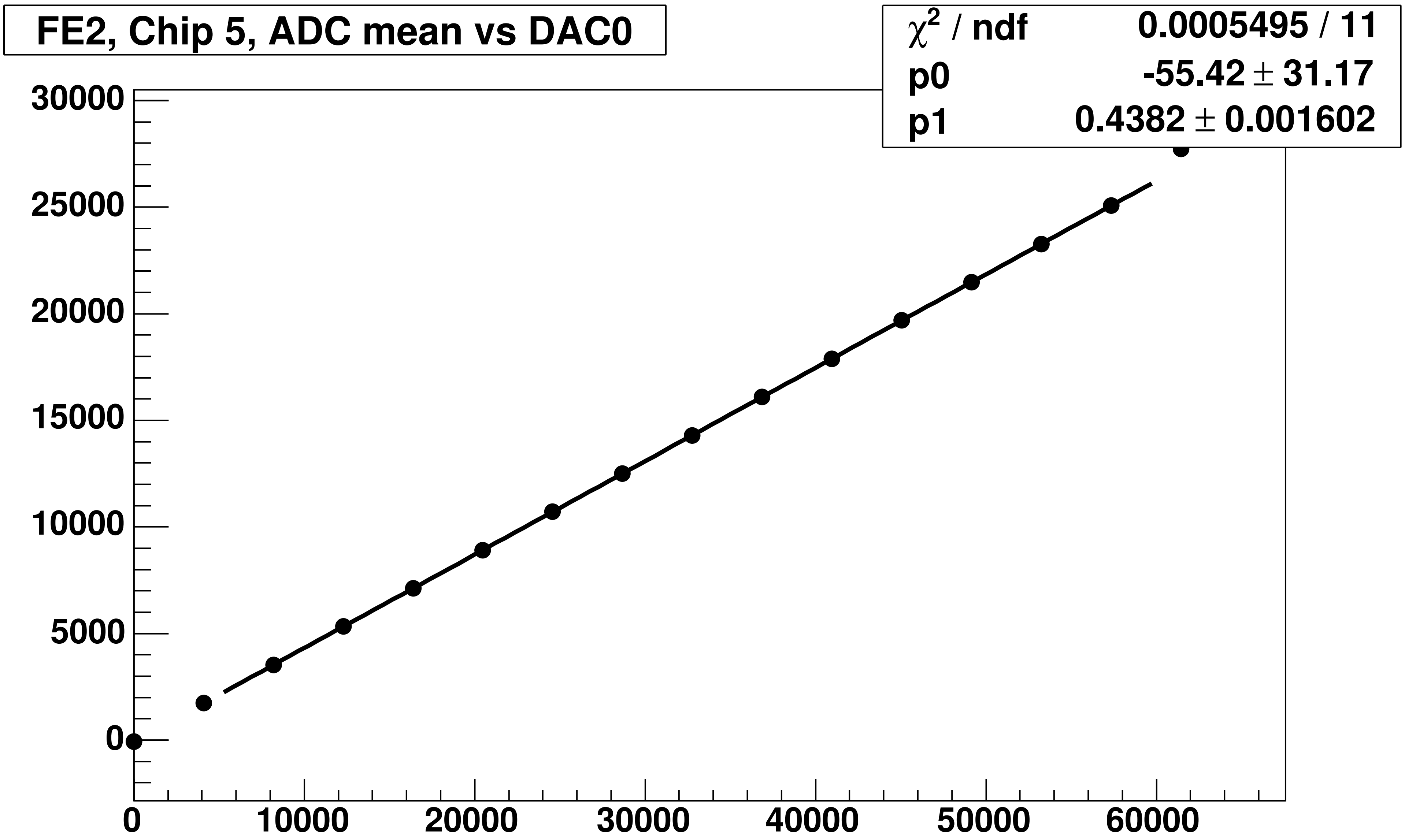

FE2, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

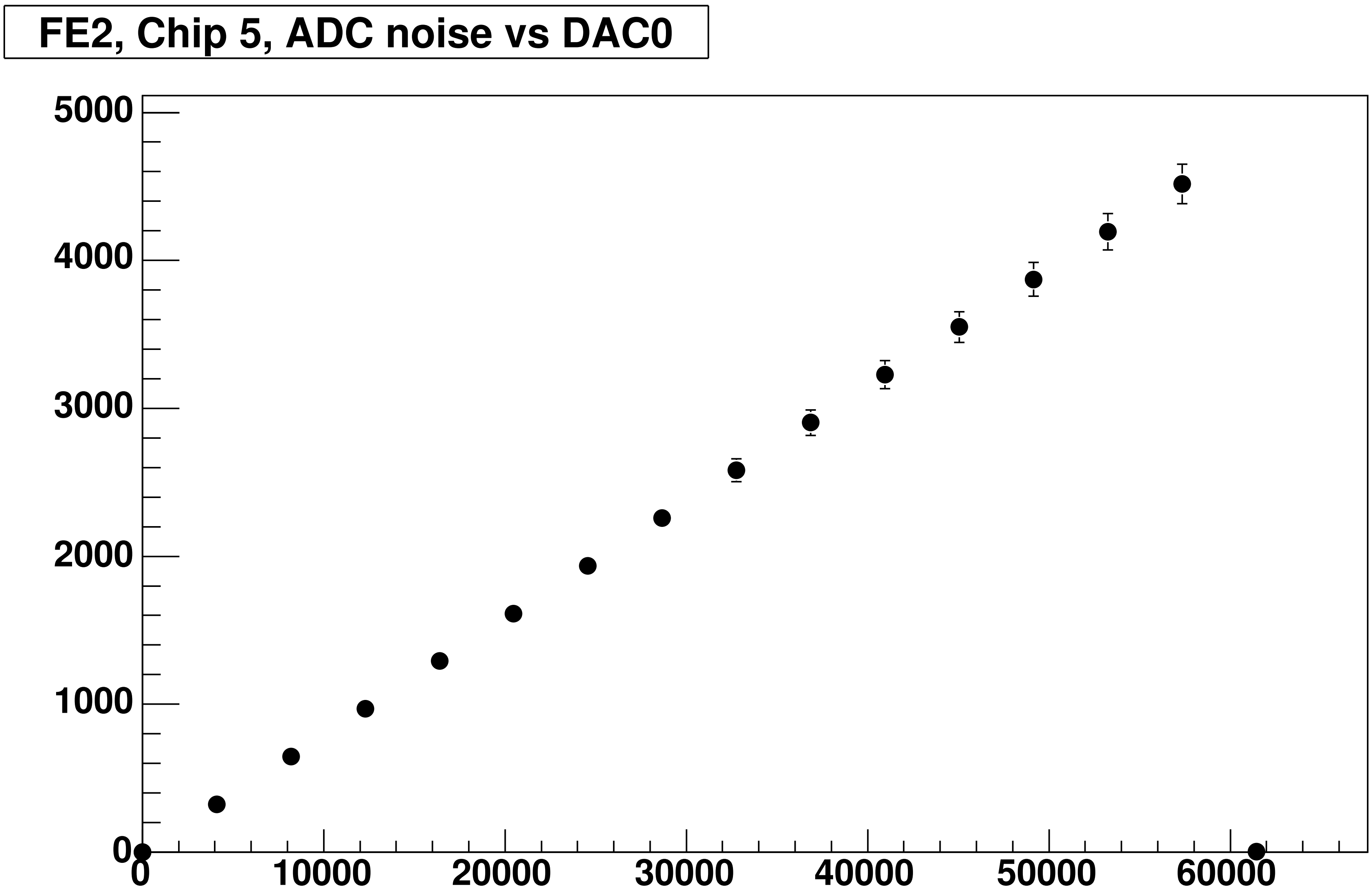

FE2, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 4, ADC mean vs DAC1
χ^2 / ndf 8.412e-06 / 11
p0 -54.02 ± 31.18
p1 0.01413 ± 0.001602
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

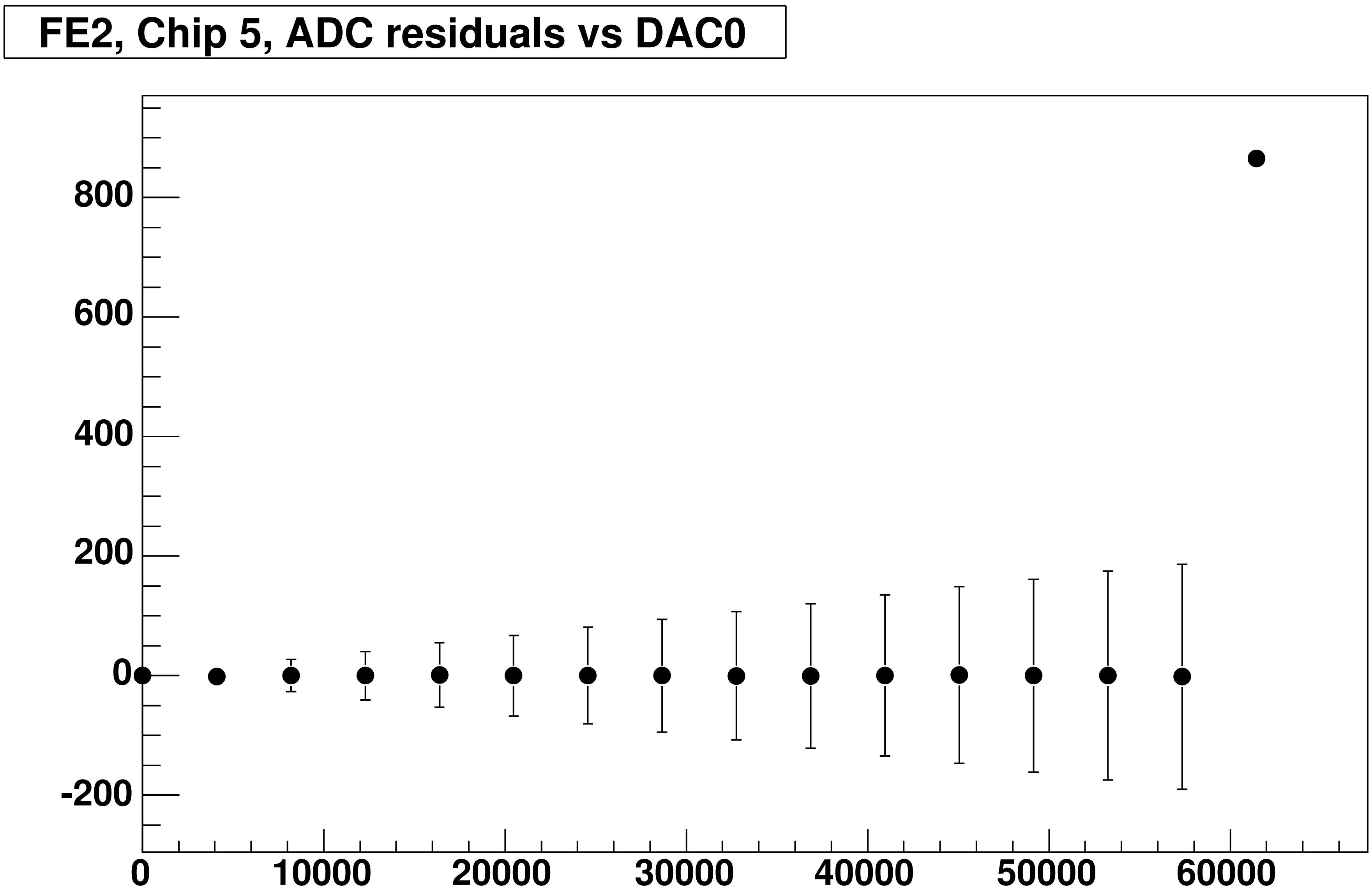

FE2, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

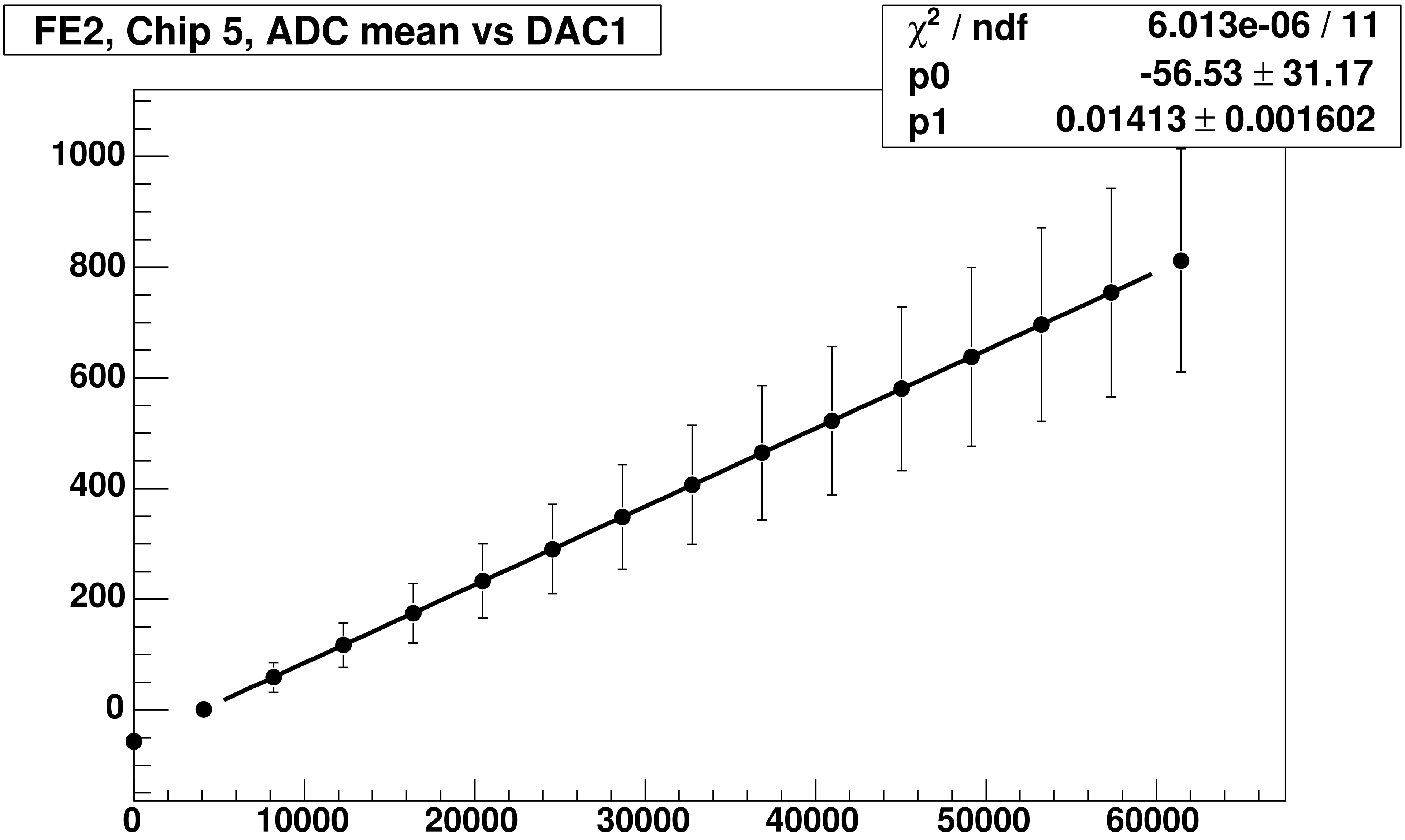

FE2, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

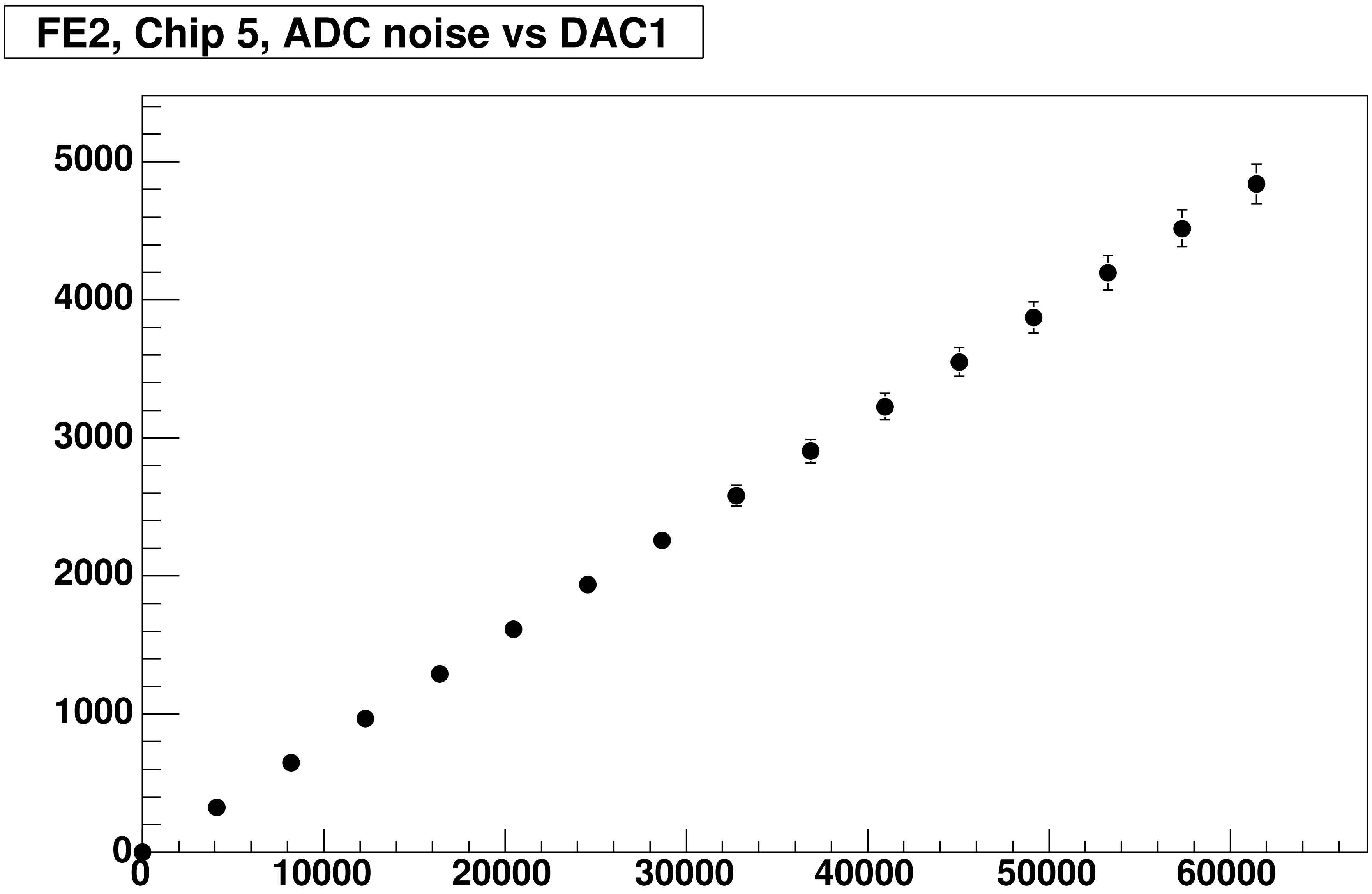

FE2, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0005495 / 11
p0 -55.42 ± 31.17
p1 0.4382 ± 0.001602
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



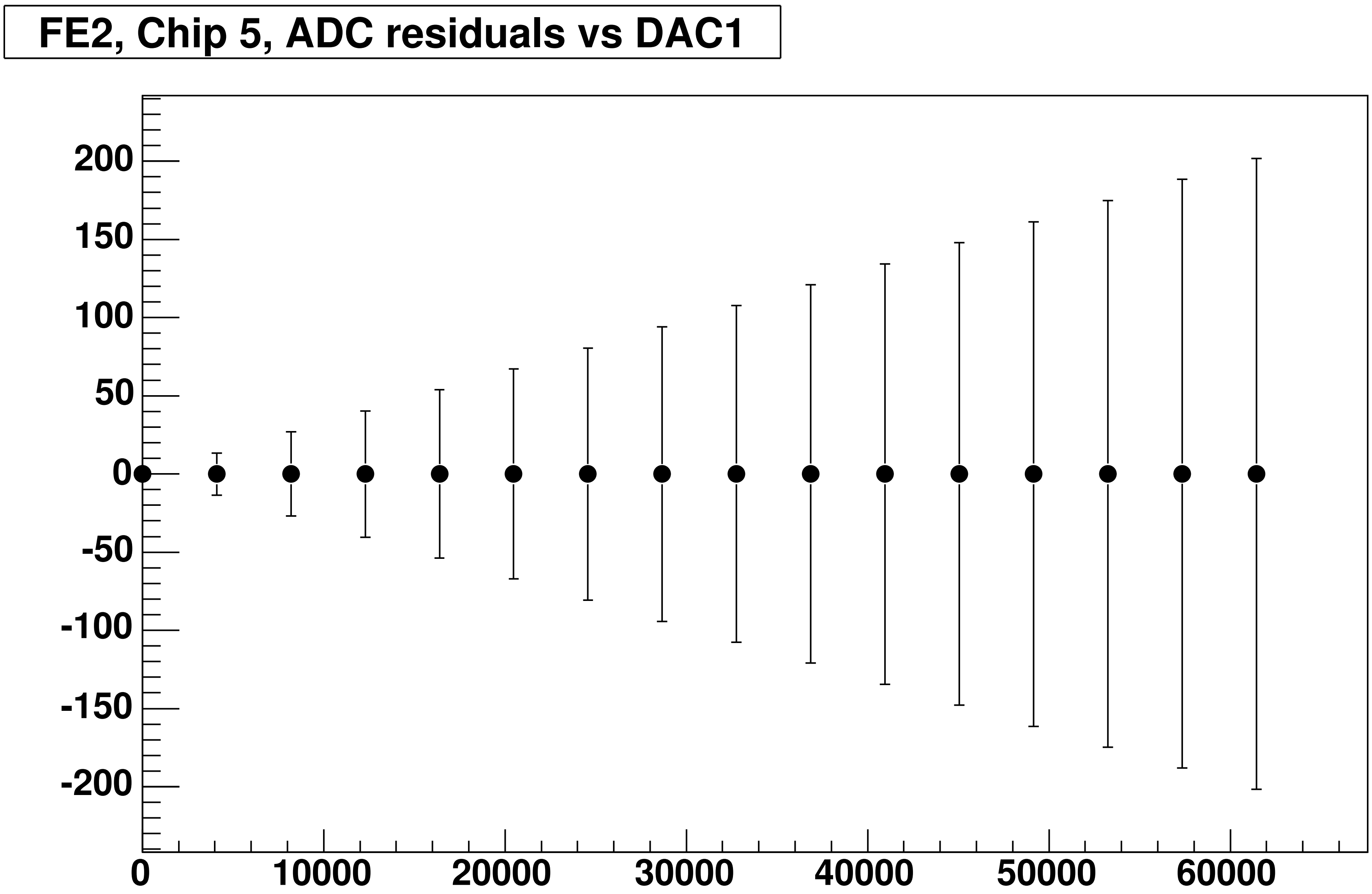
FE2, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

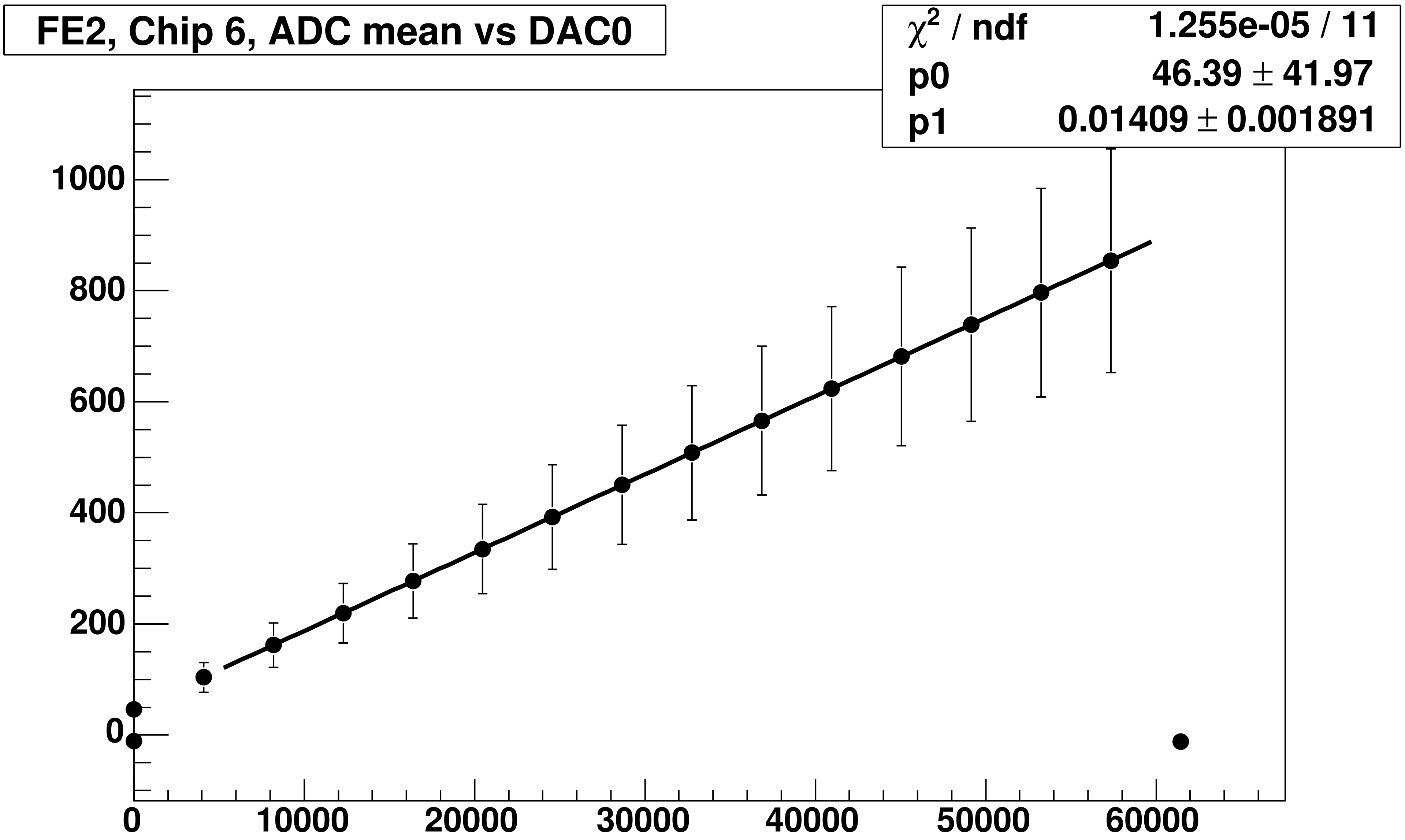

FE2, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 5, ADC mean vs DAC1
χ² / ndf 6.013e-06 / 11
p0 -56.53 ± 31.17
p1 0.01413 ± 0.001602
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

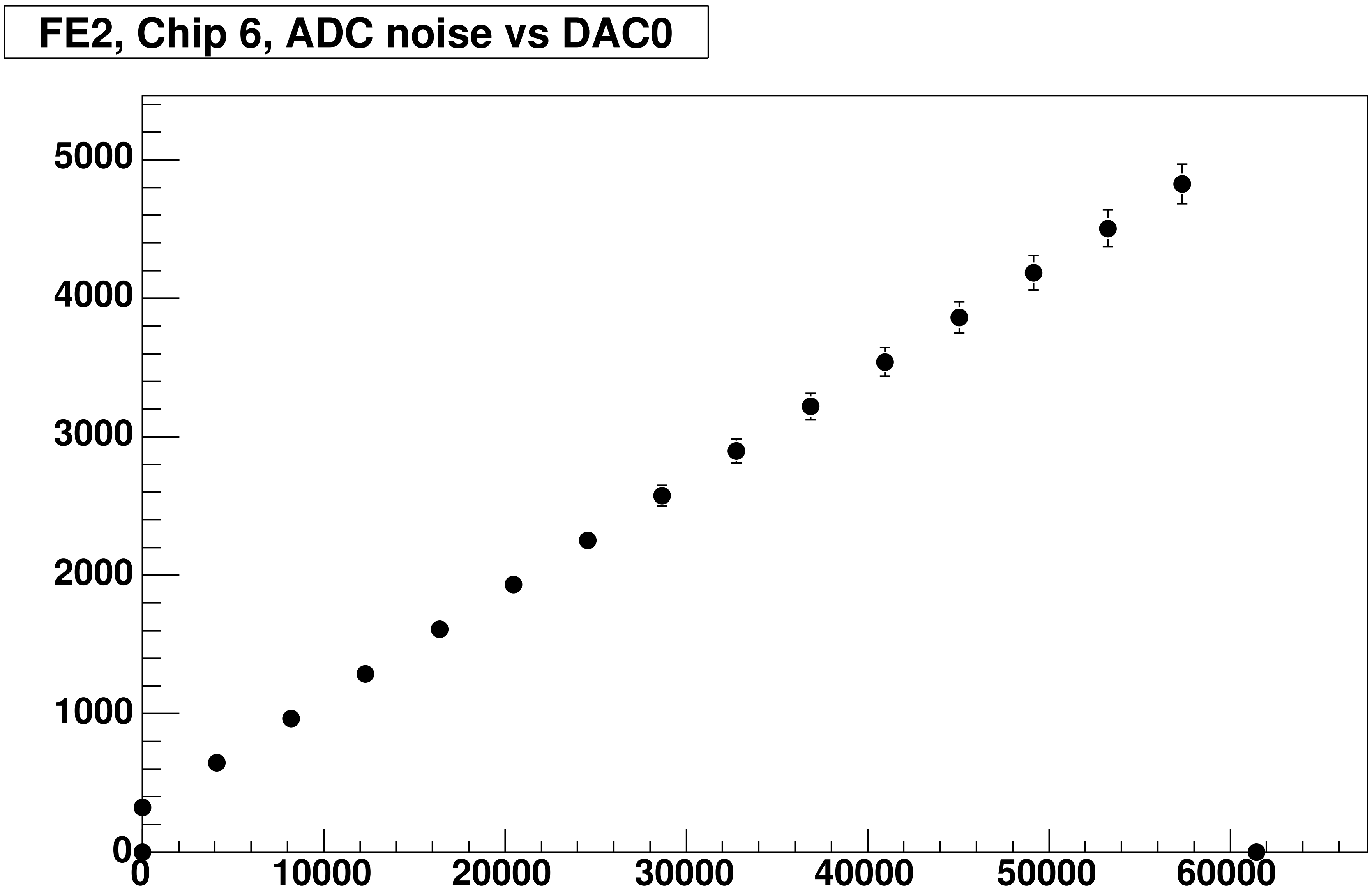


FE2, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

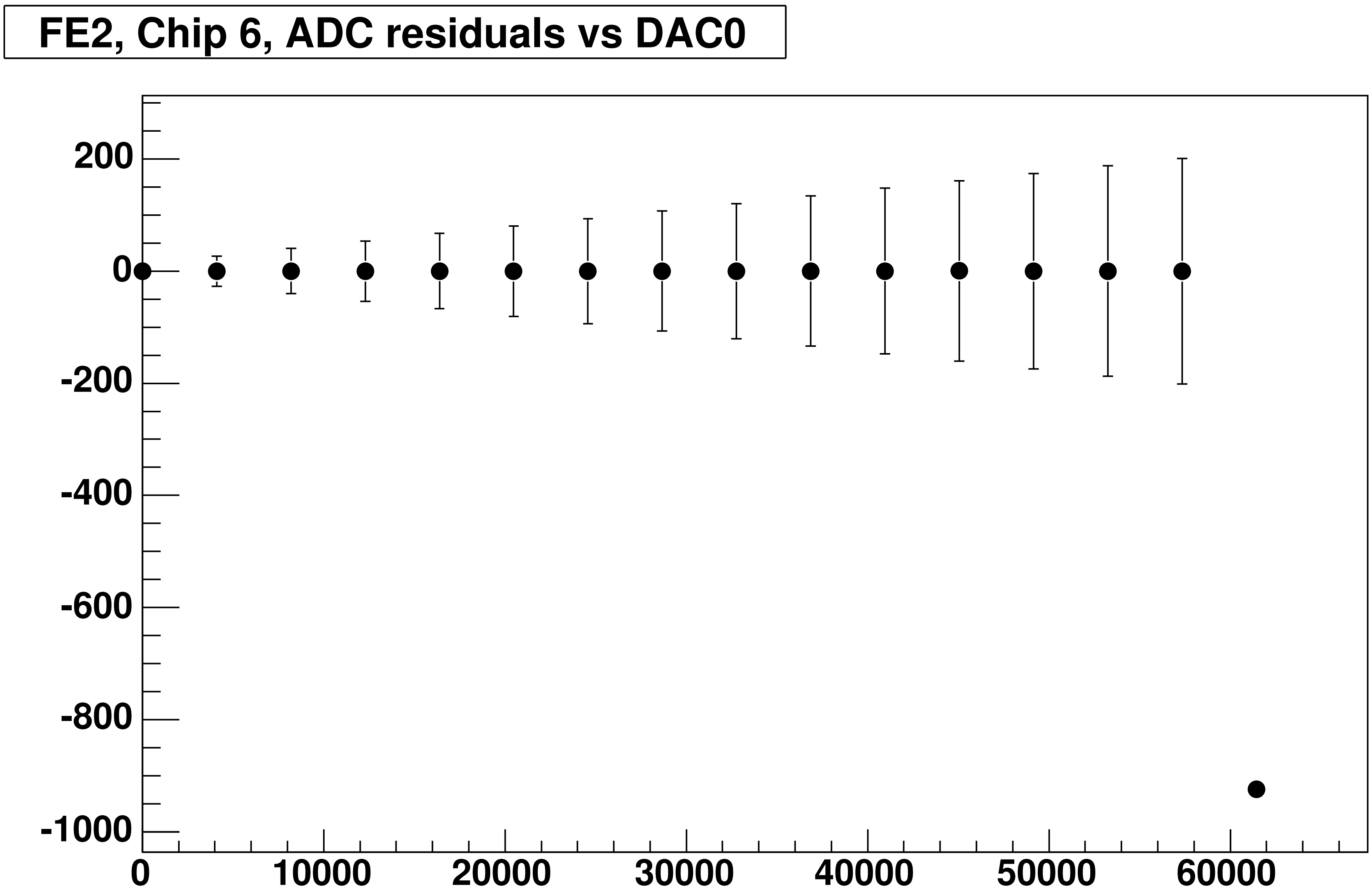

FE2, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

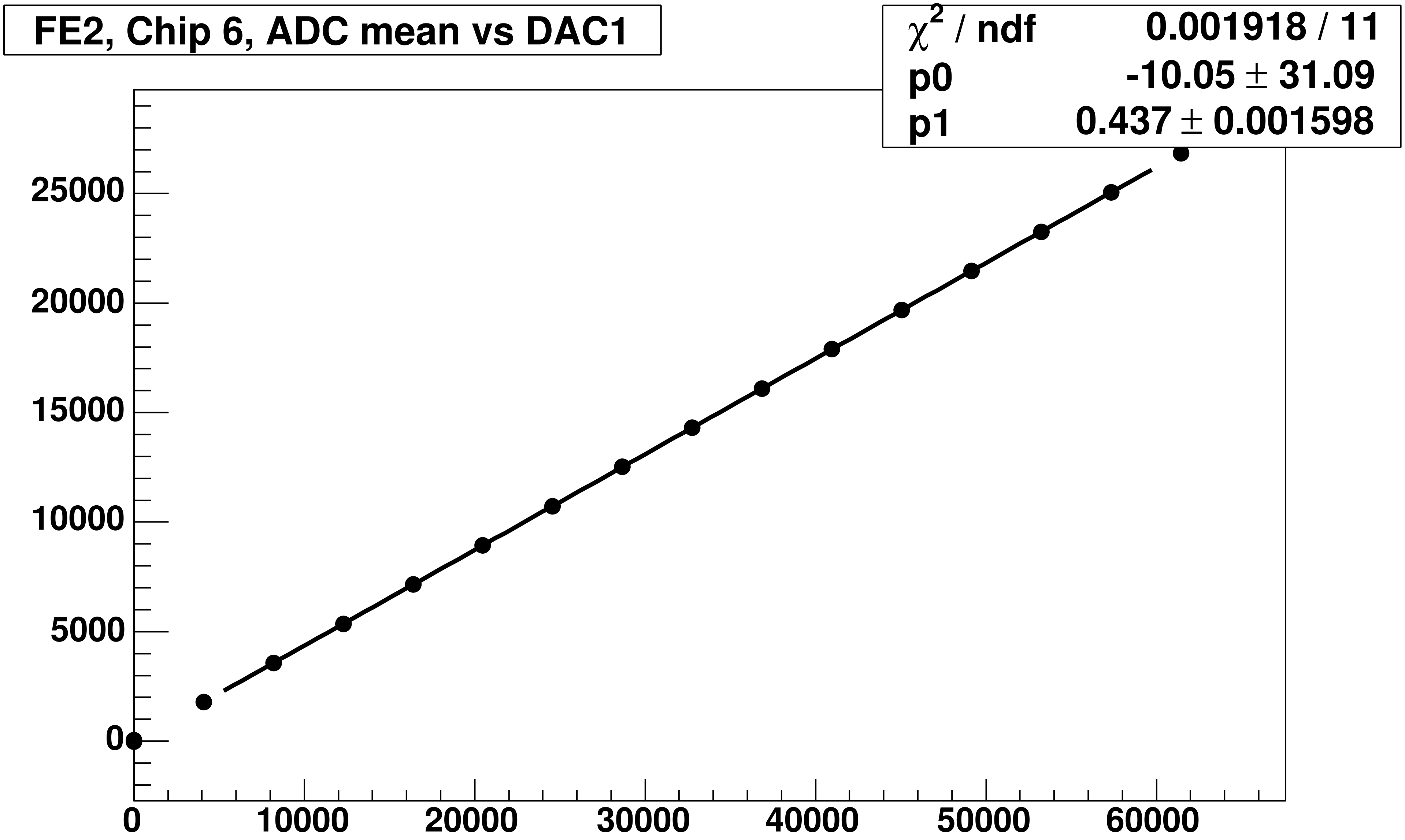


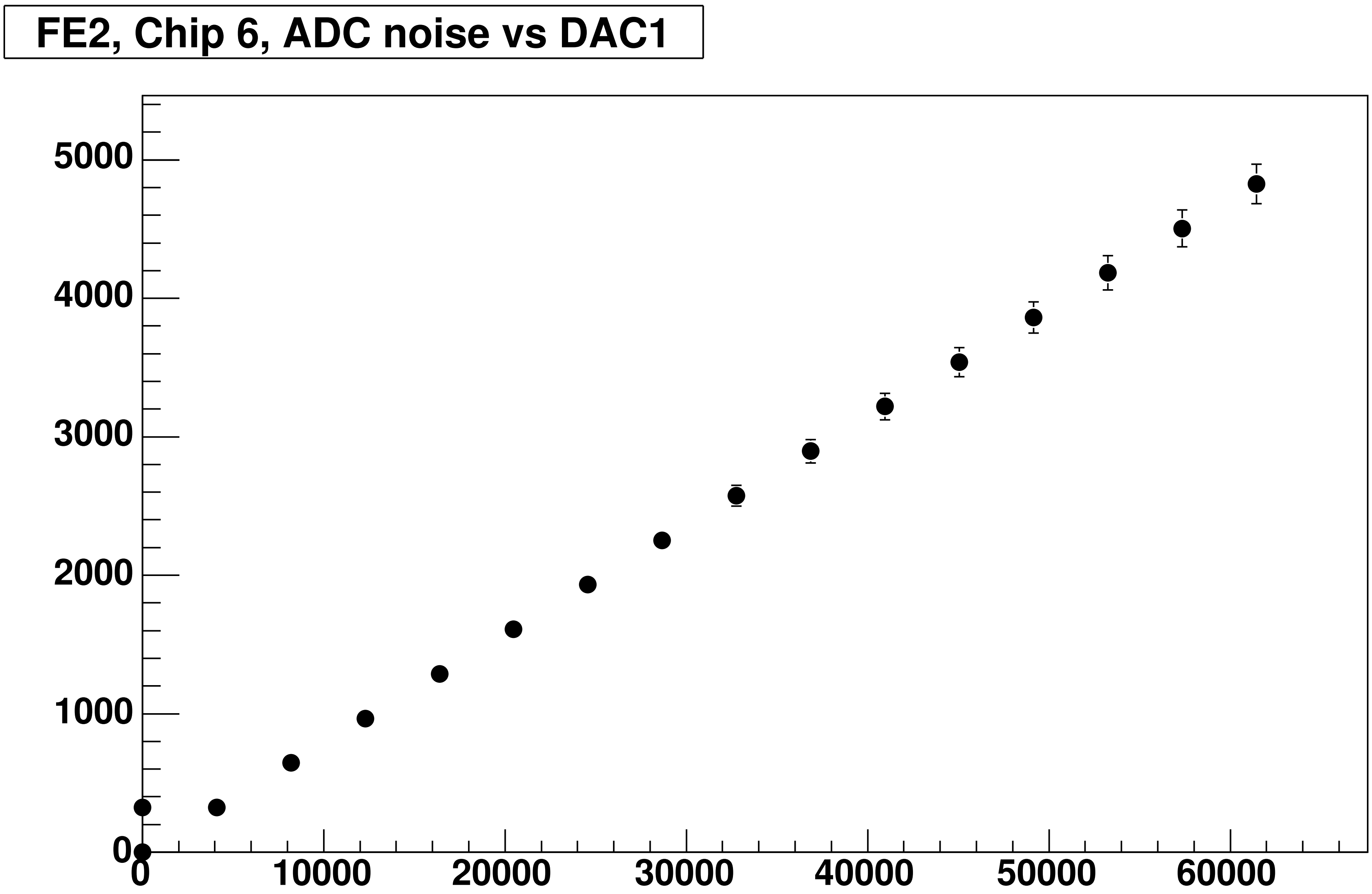
FE2, Chip 6, ADC mean vs DAC0
χ^2 / ndf 1.255e-05 / 11
p0 46.39 ± 41.97
p1 0.01409 ± 0.001891
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

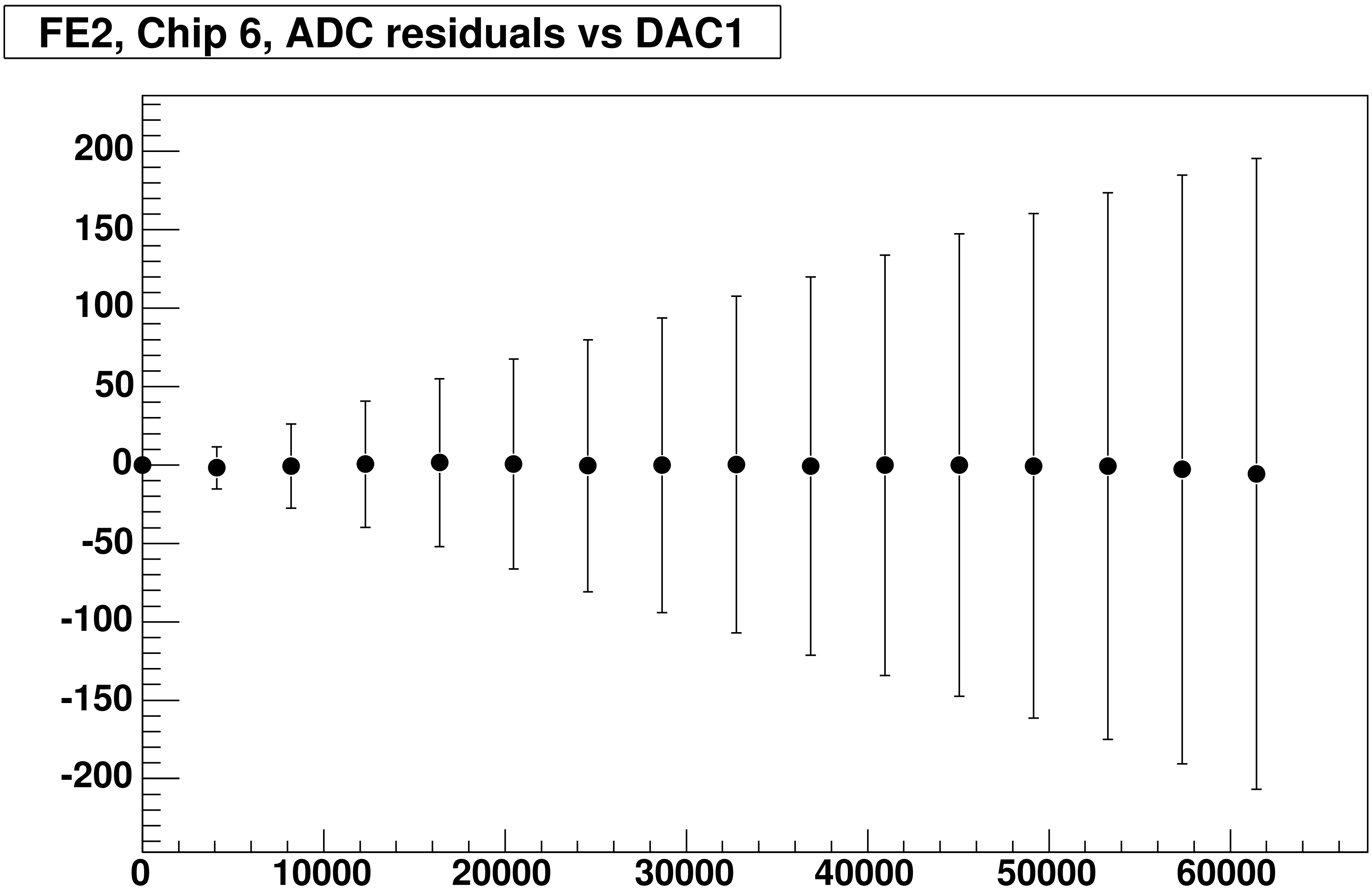


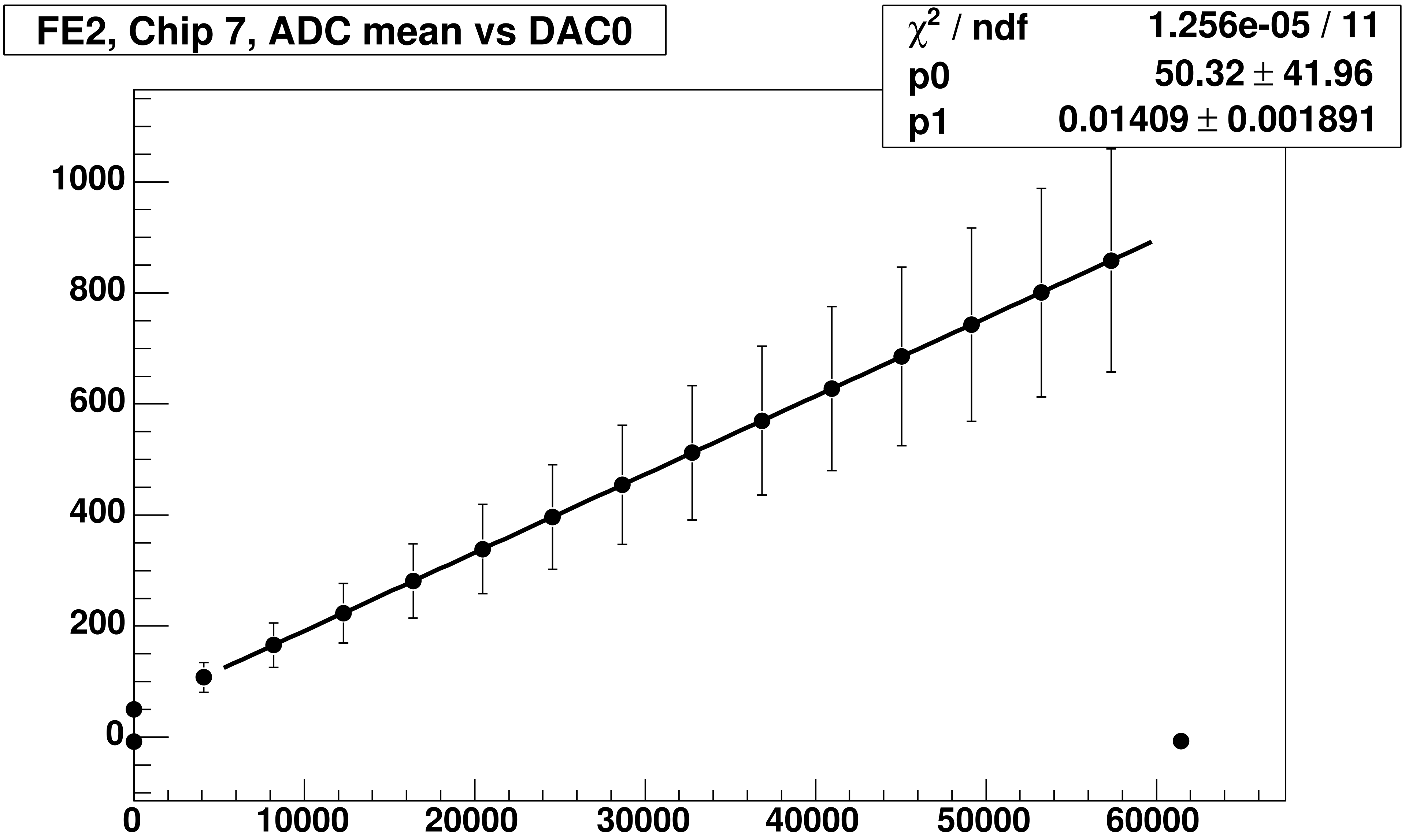
FE2, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

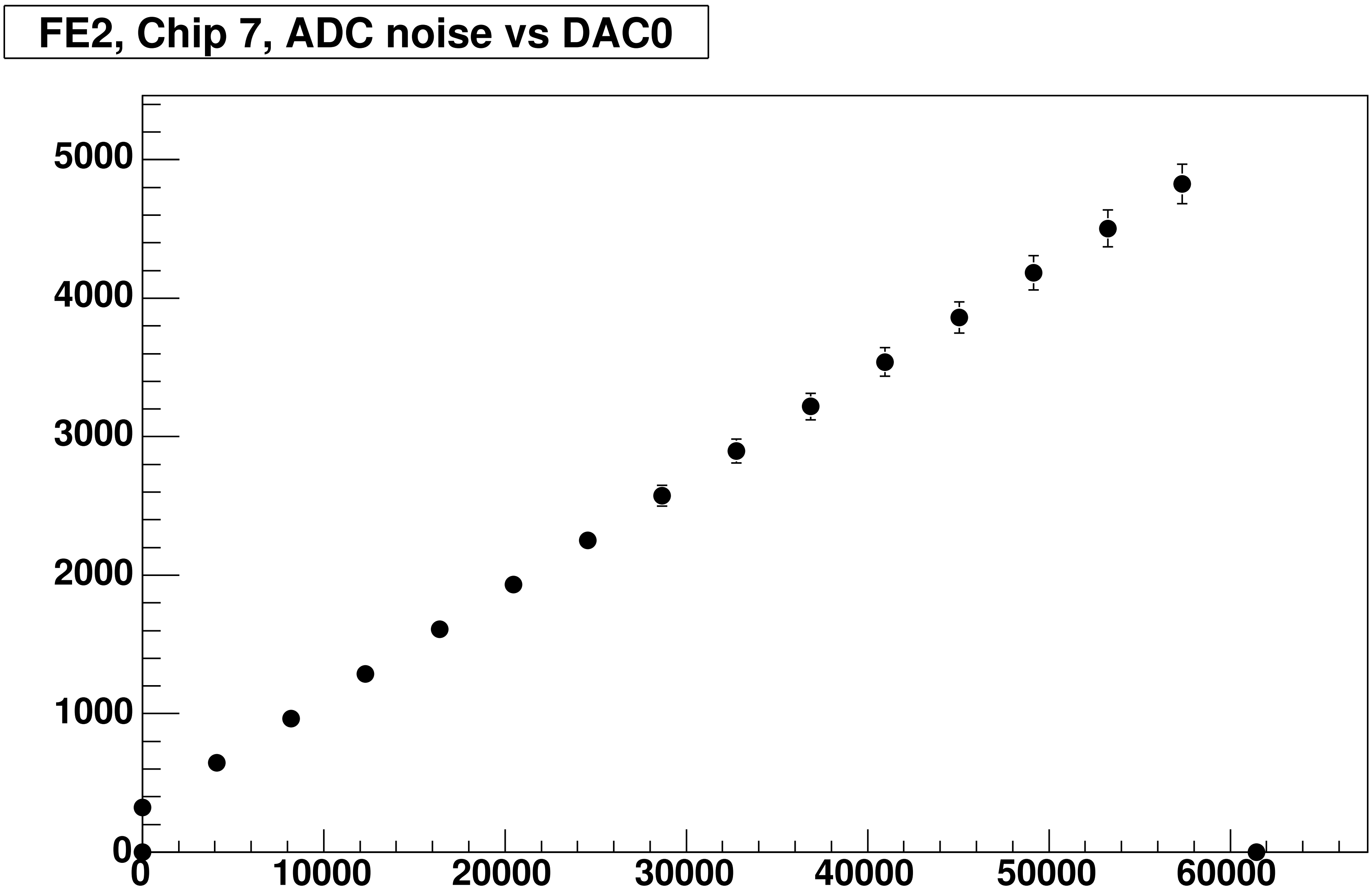

FE2, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE2, Chip 6, ADC mean vs DAC1
χ² / ndf 0.001918 / 11
p0 -10.05 ± 31.09
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

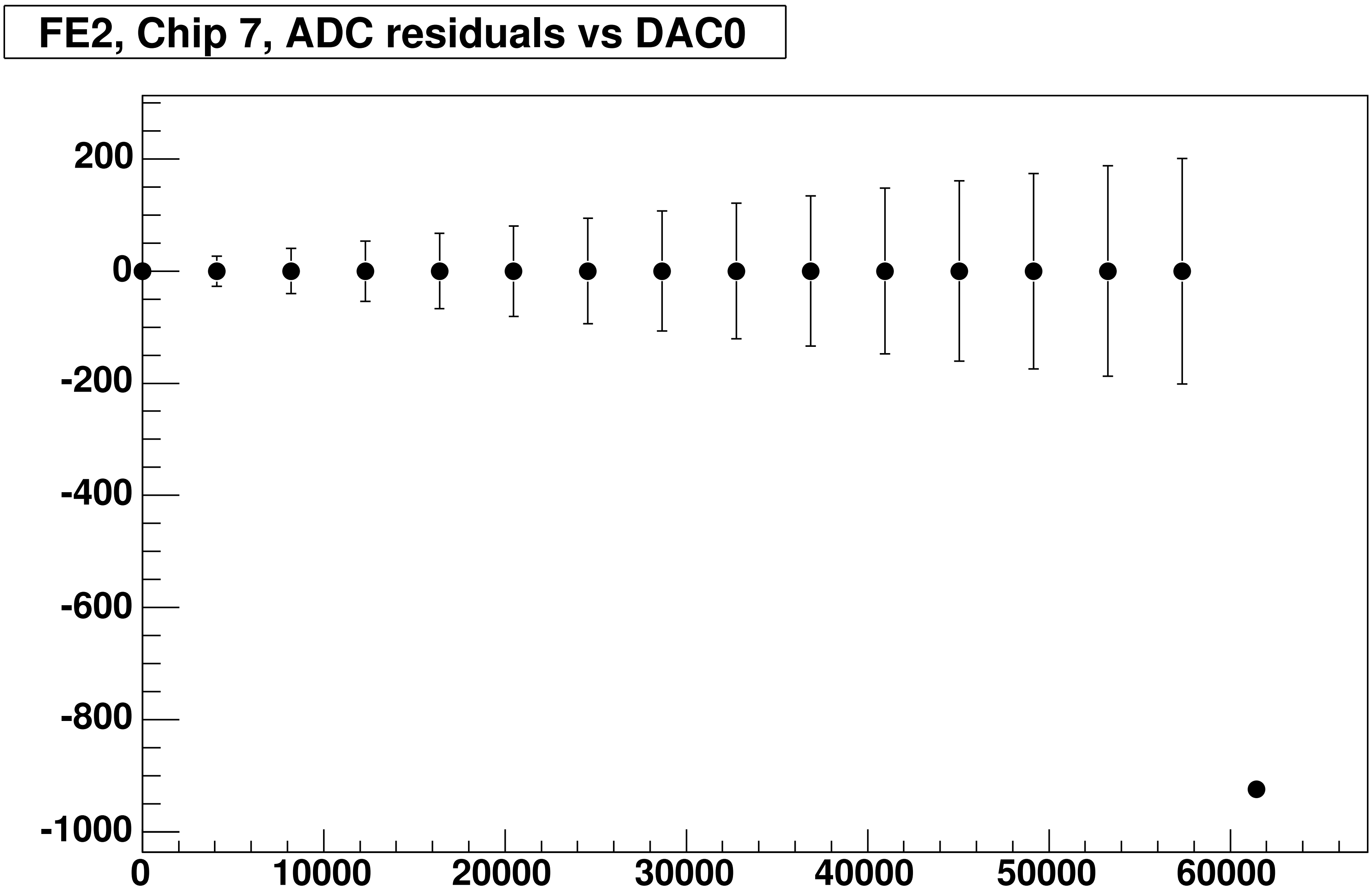

FE2, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

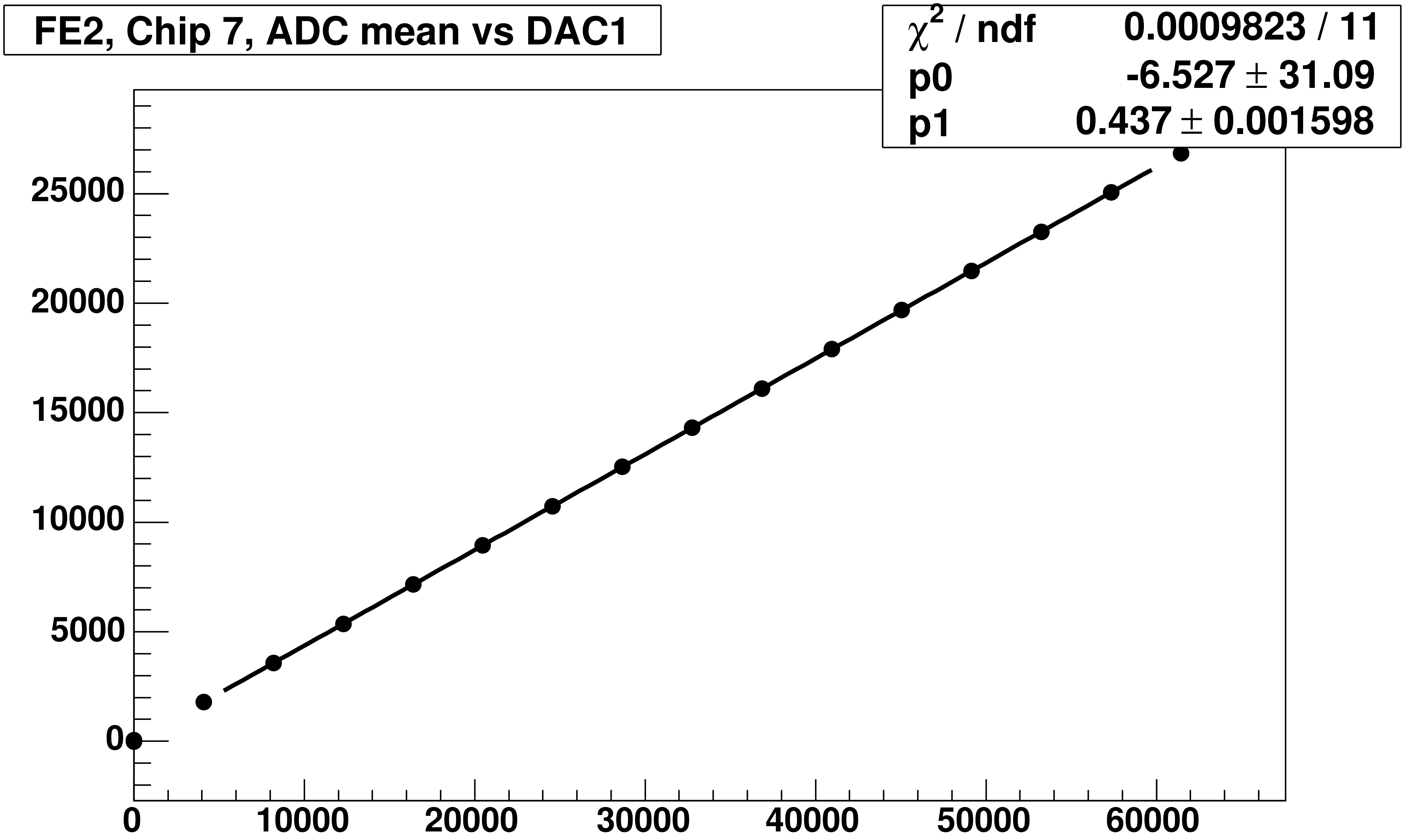

FE2, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

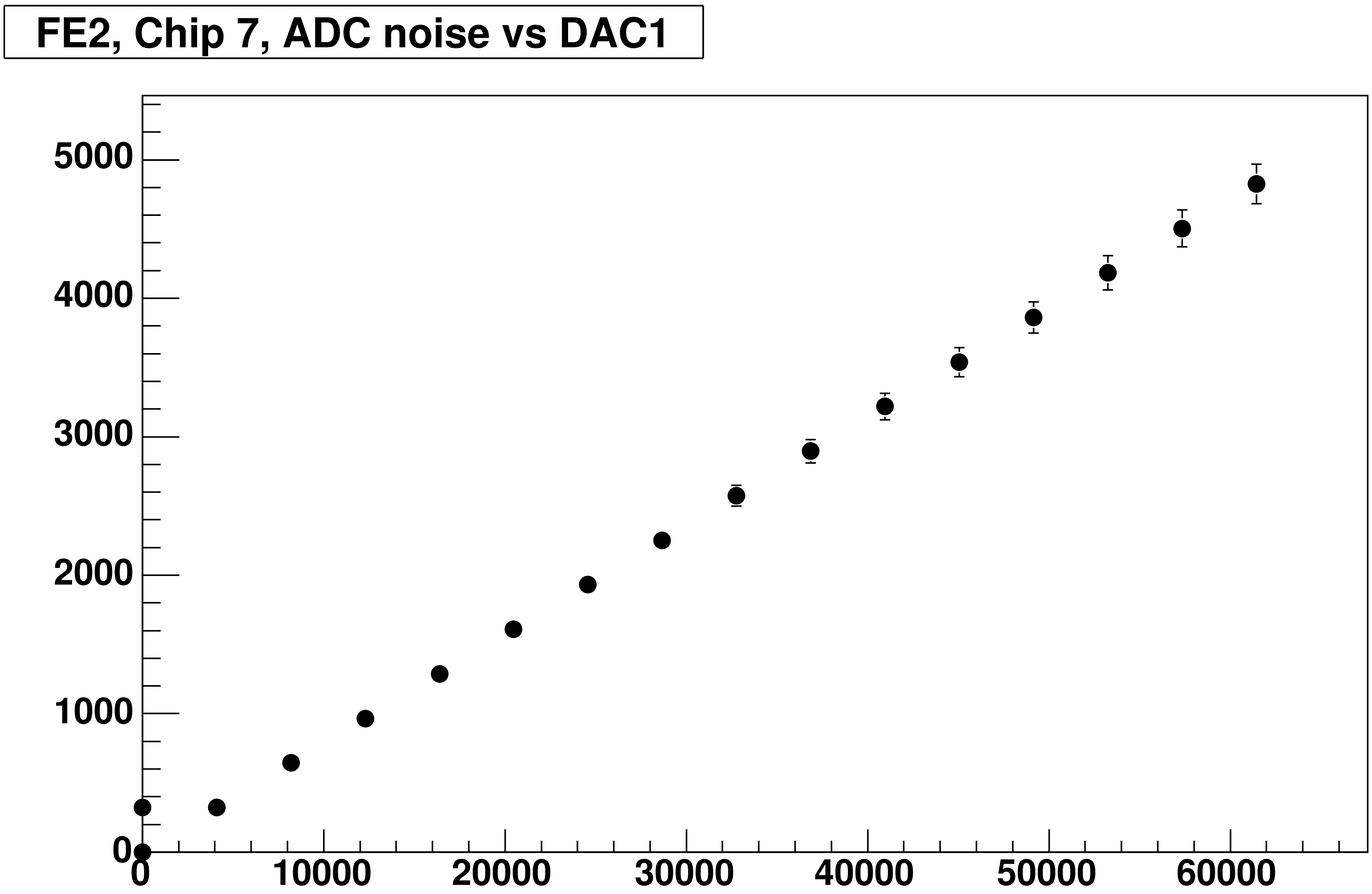

FE2, Chip 7, ADC mean vs DAC0
χ^2 / ndf 1.256e-05 / 11
p0 50.32 ± 41.96
p1 0.01409 ± 0.001891
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

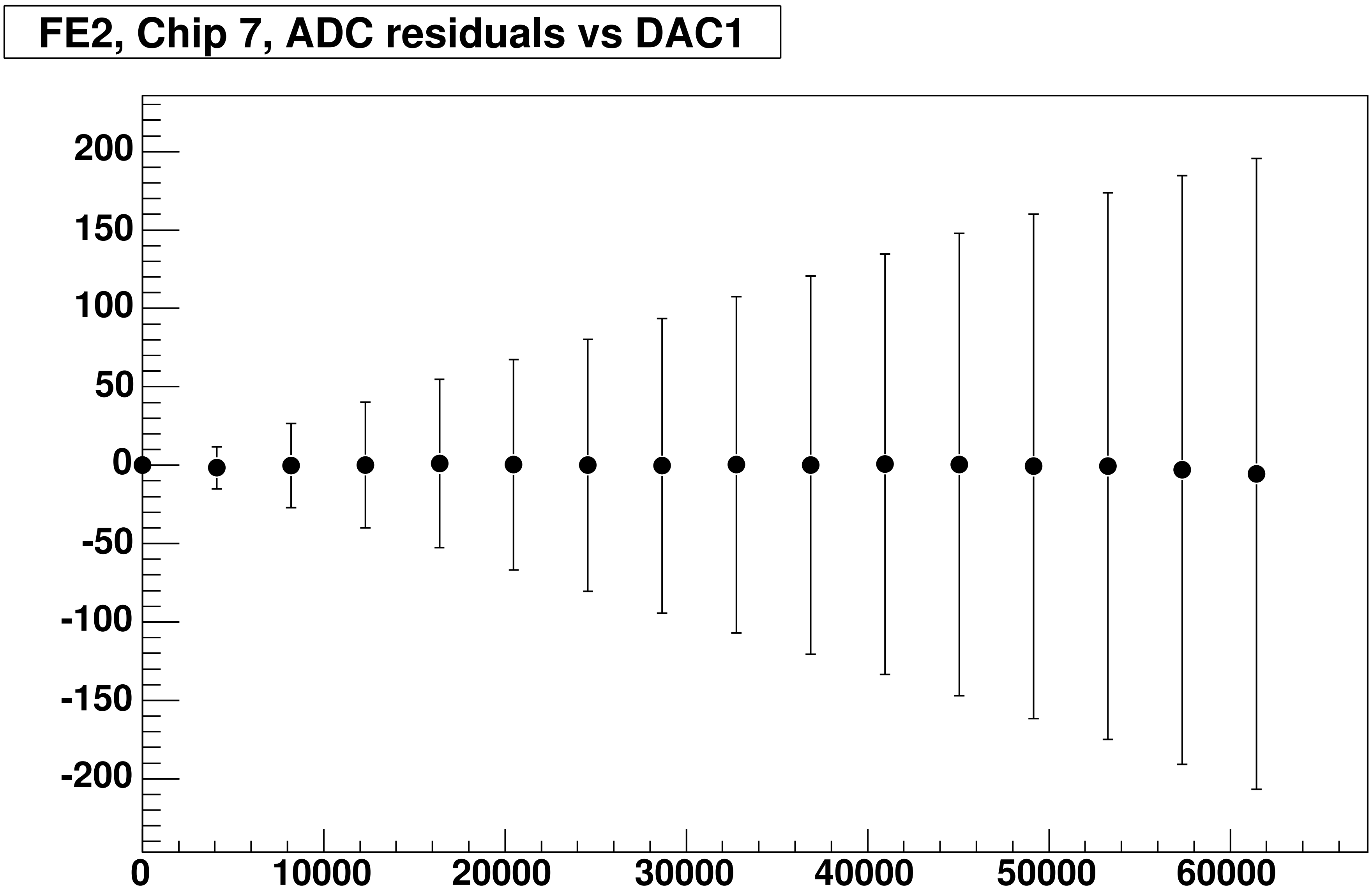


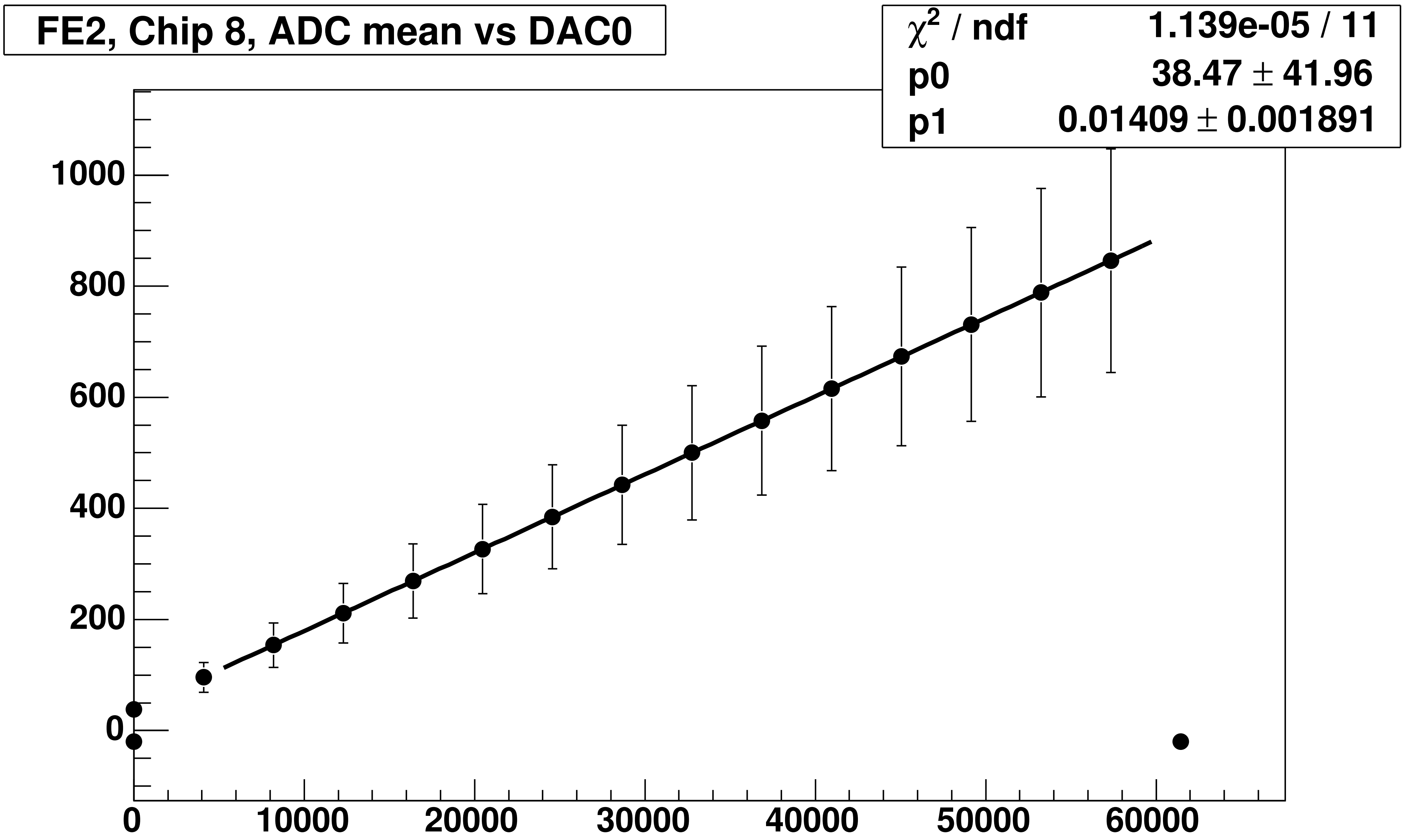
FE2, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

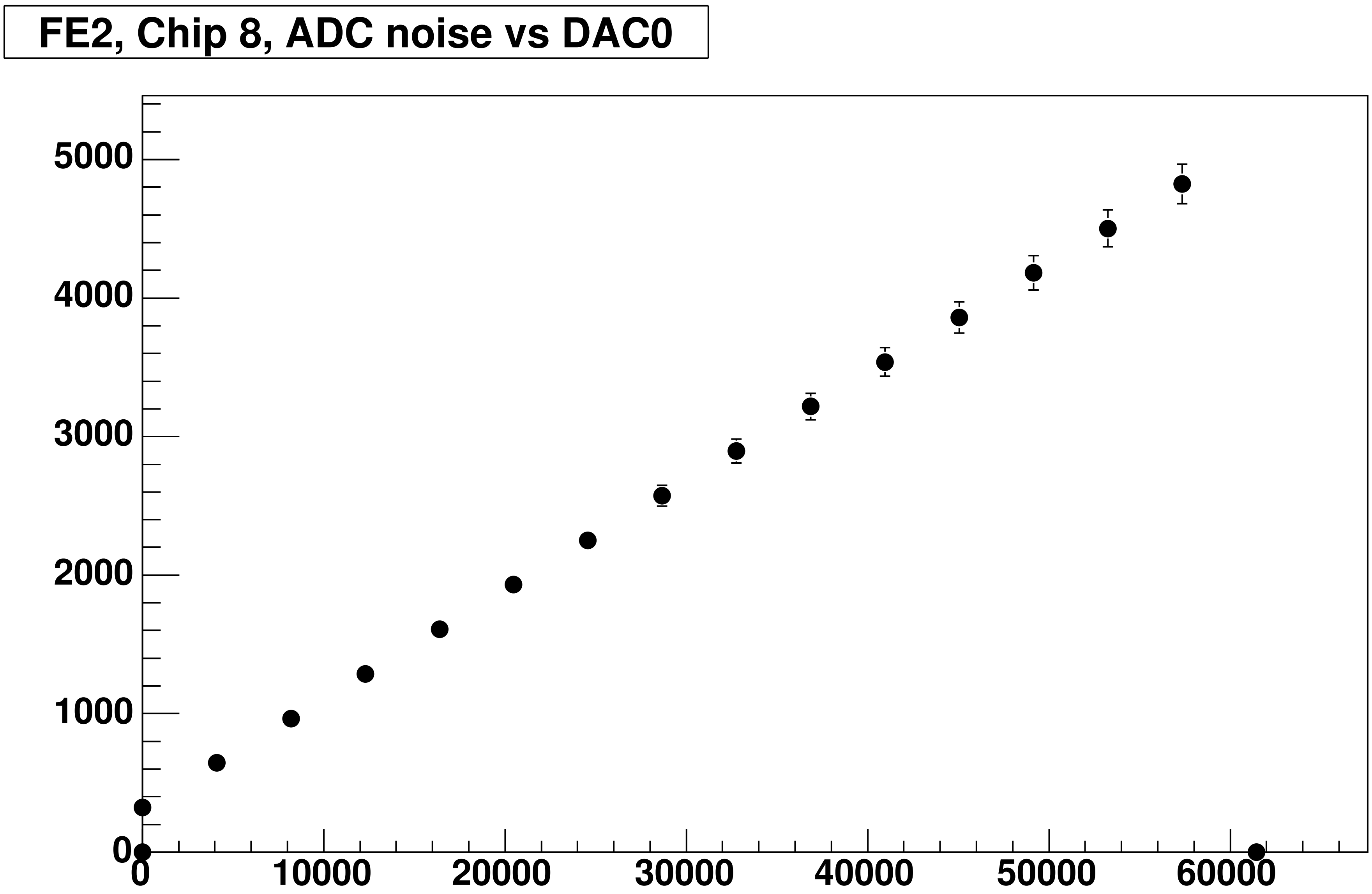

FE2, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

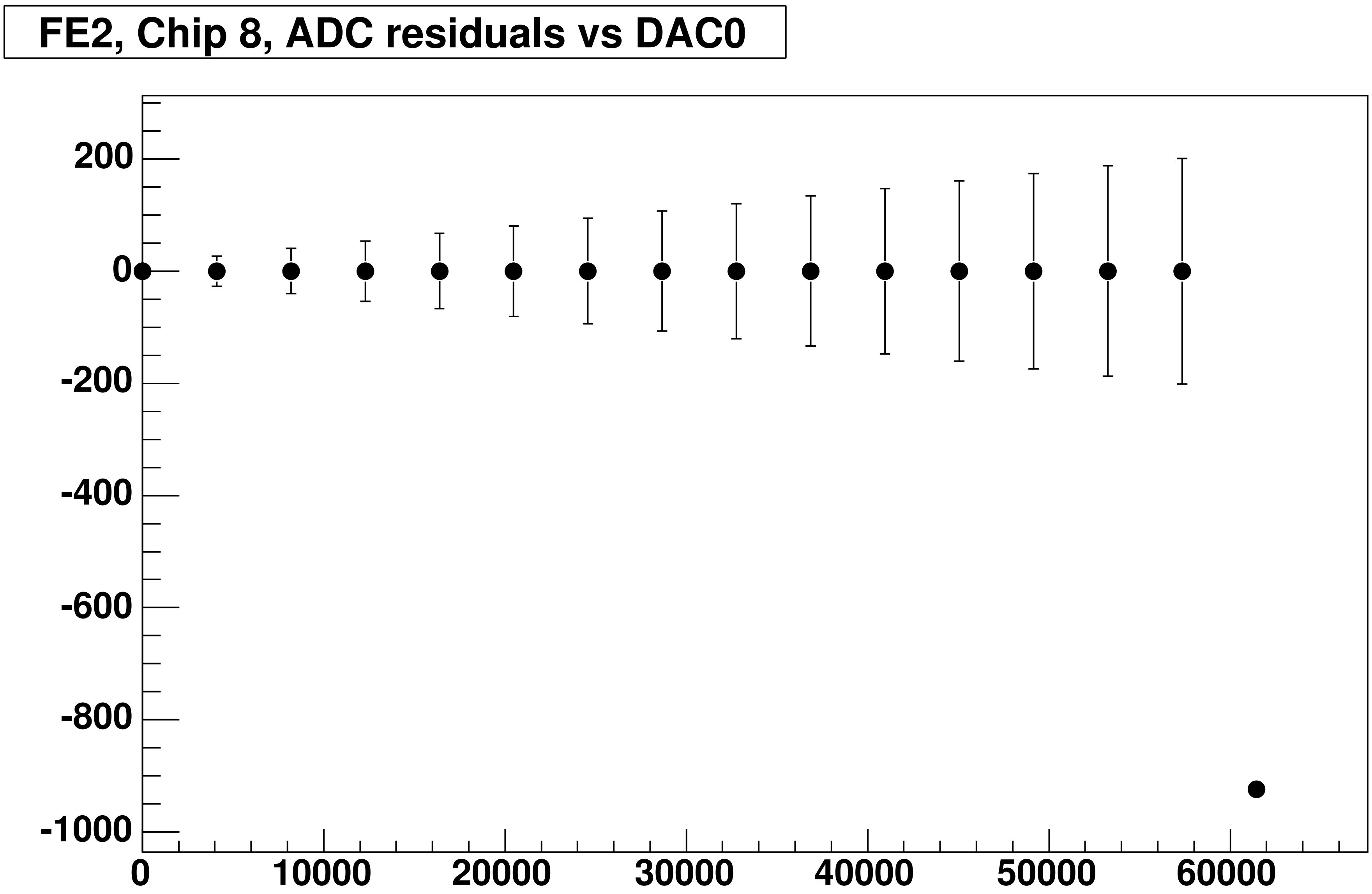

FE2, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.0009823 / 11
p0 -6.527 ± 31.09
p1 0.437 ± 0.001598
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

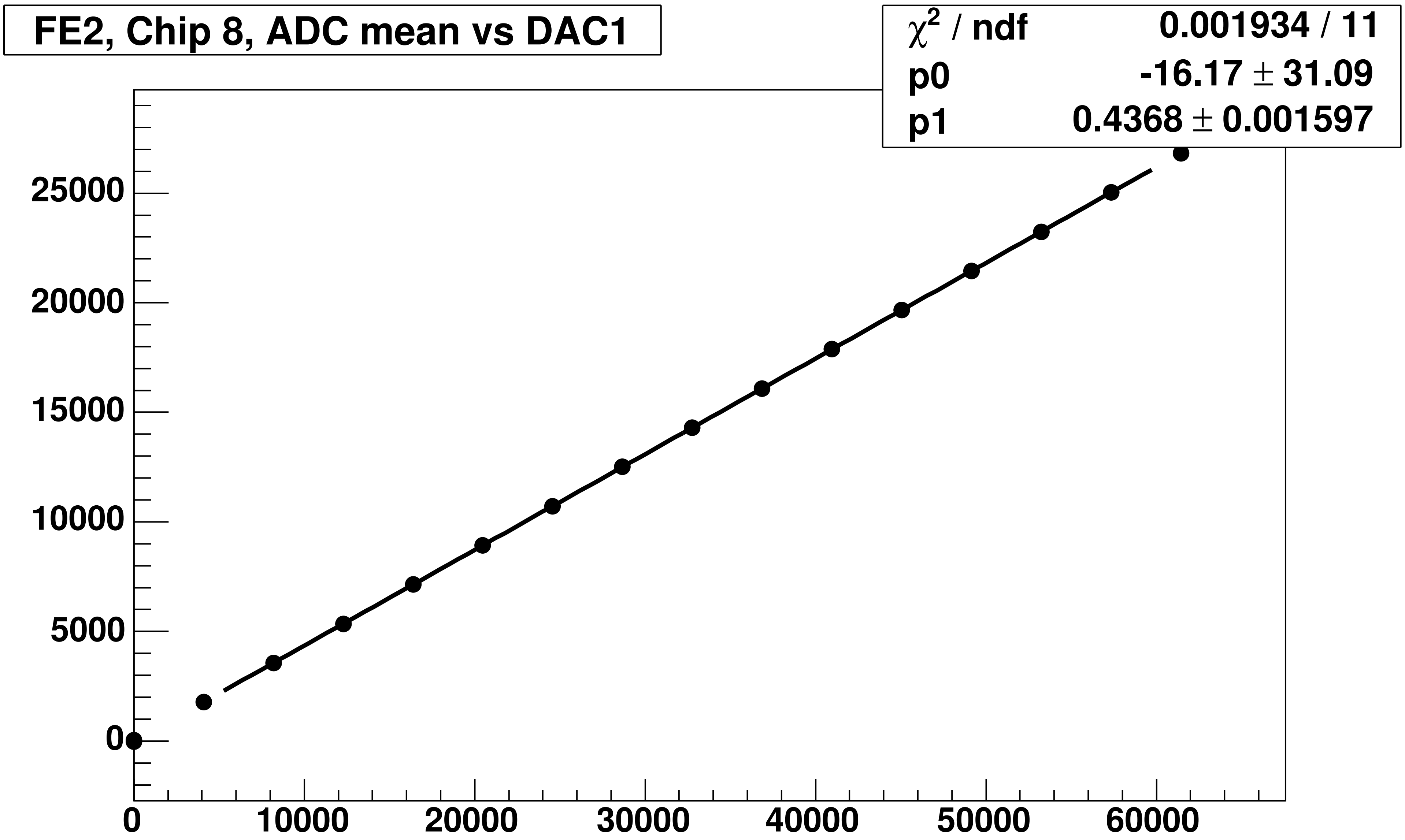

FE2, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.139e-05 / 11
p0 38.47 ± 41.96
p1 0.01409 ± 0.001891
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

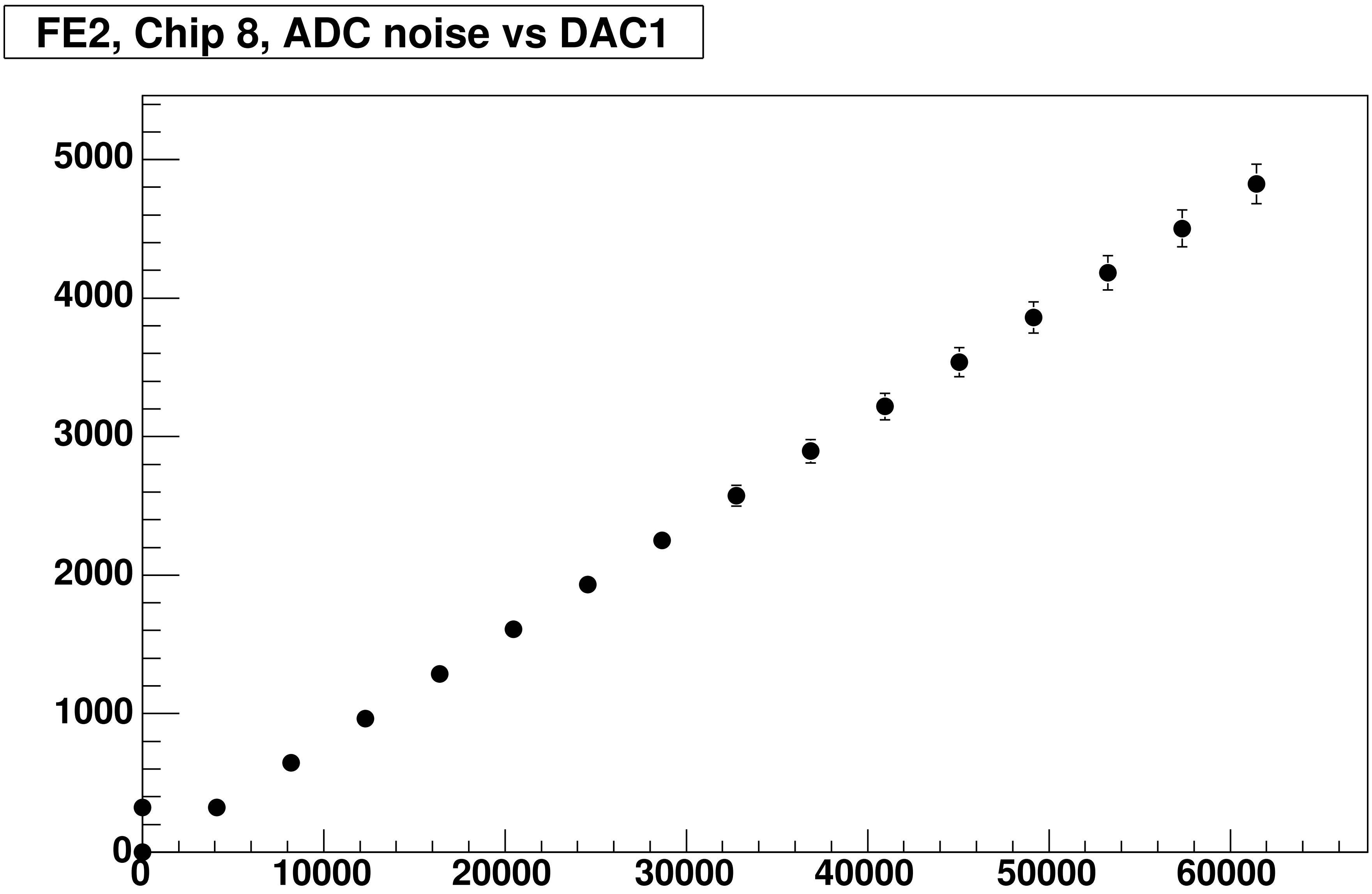

FE2, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



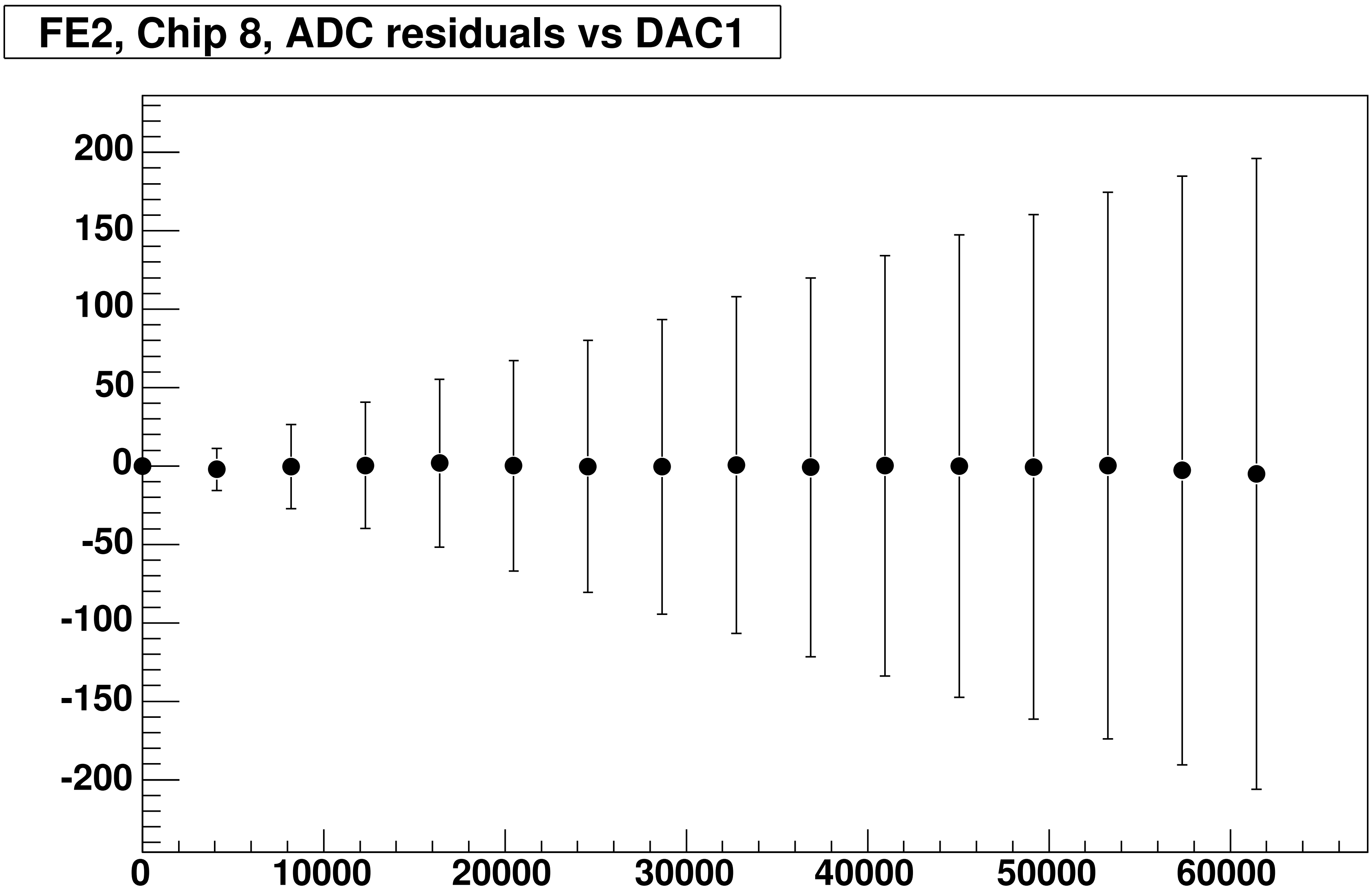
FE2, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000



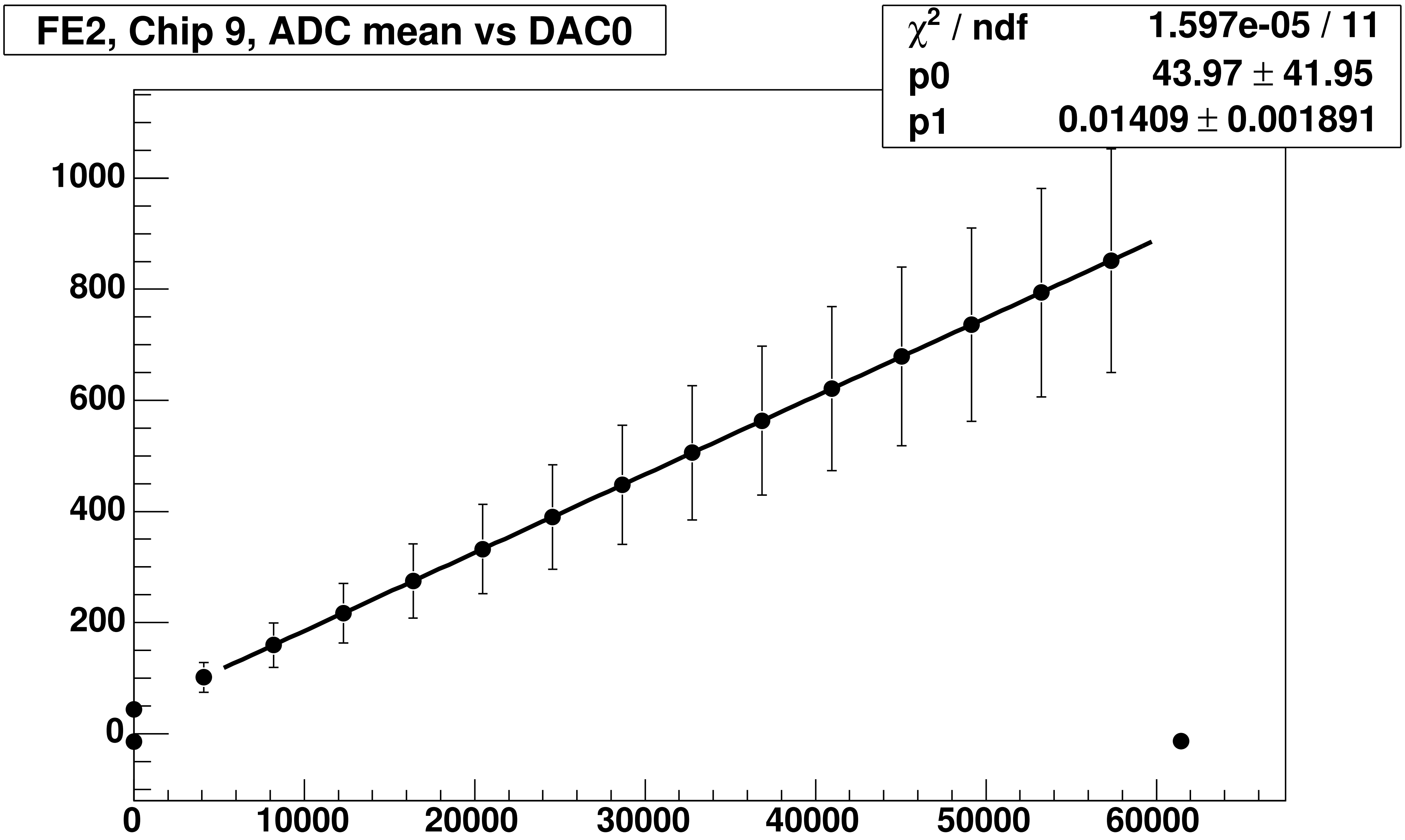
FE2, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001934 / 11
p0 -16.17 ± 31.09
p1 0.4368 ± 0.001597
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



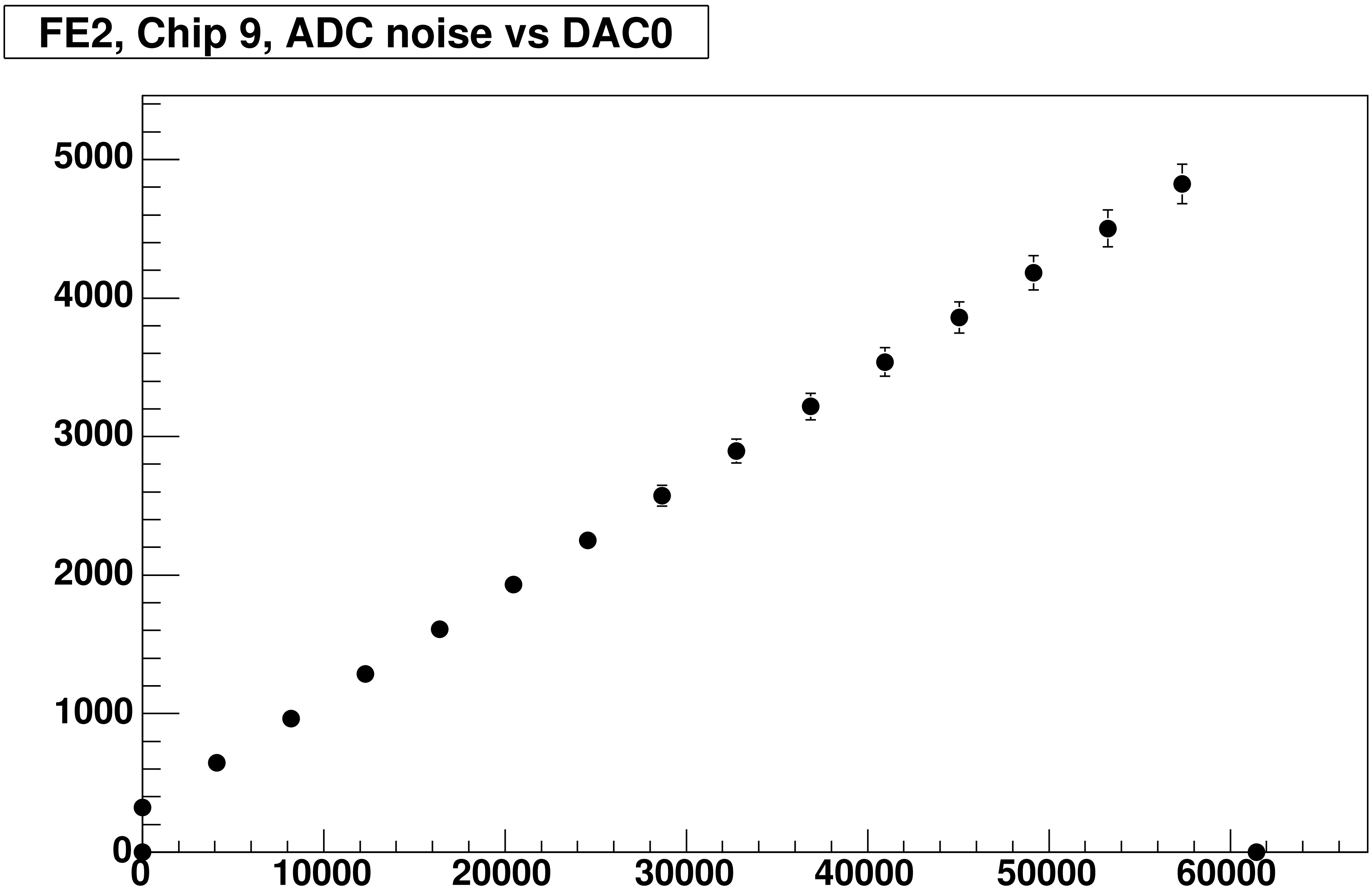
FE2, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



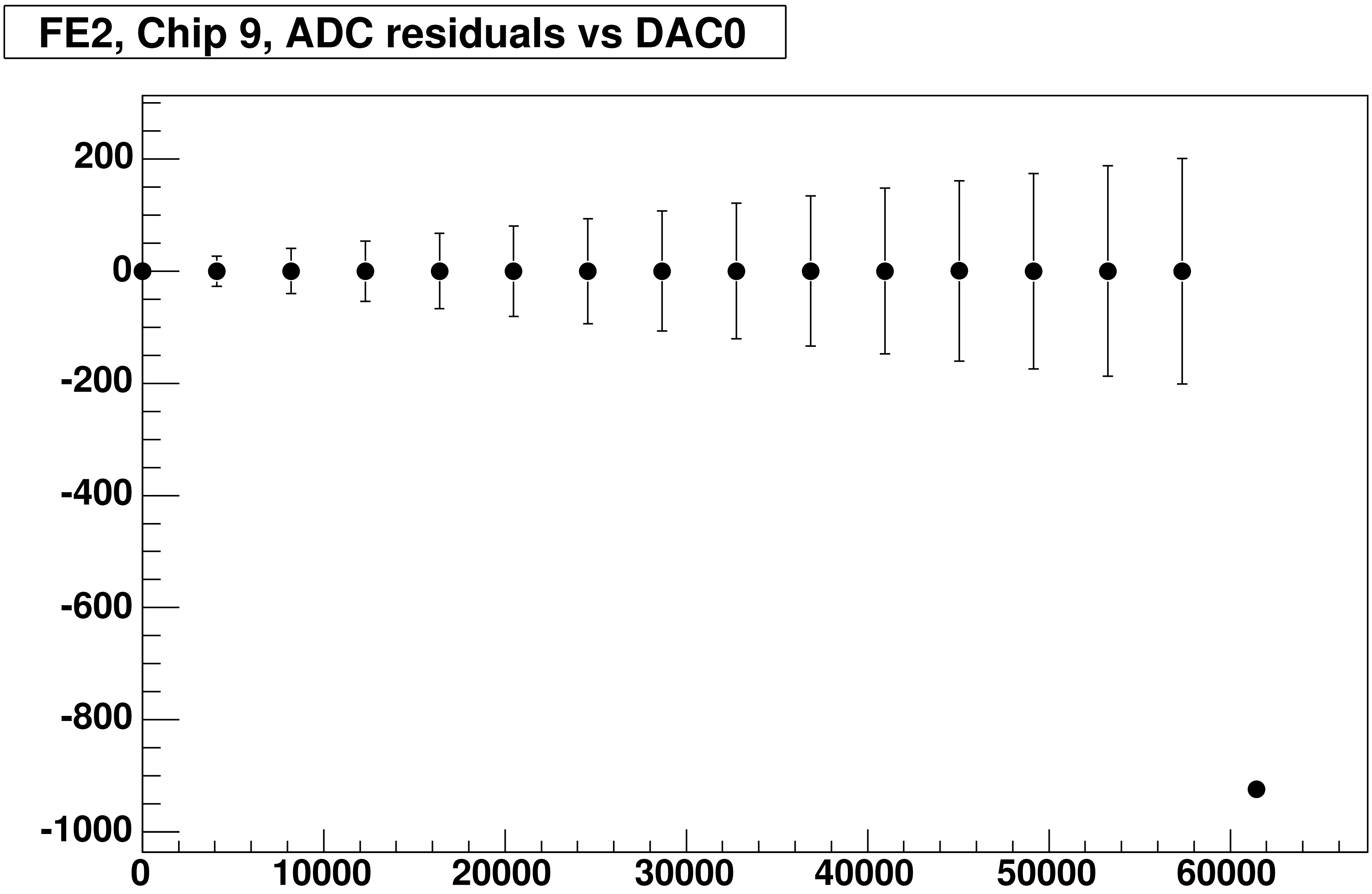
FE2, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



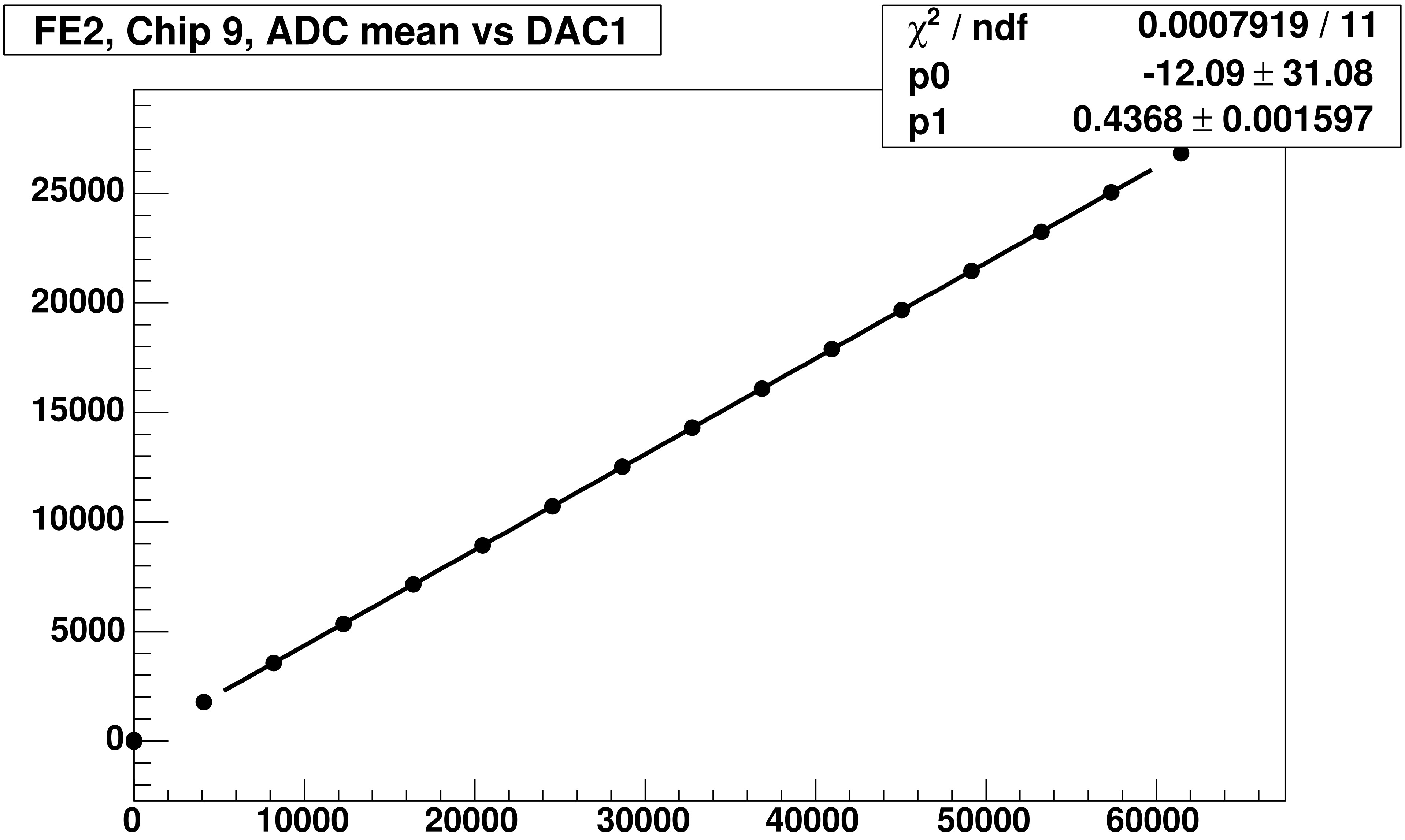
FE2, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.597e-05 / 11
p0 43.97 ± 41.95
p1 0.01409 ± 0.001891
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

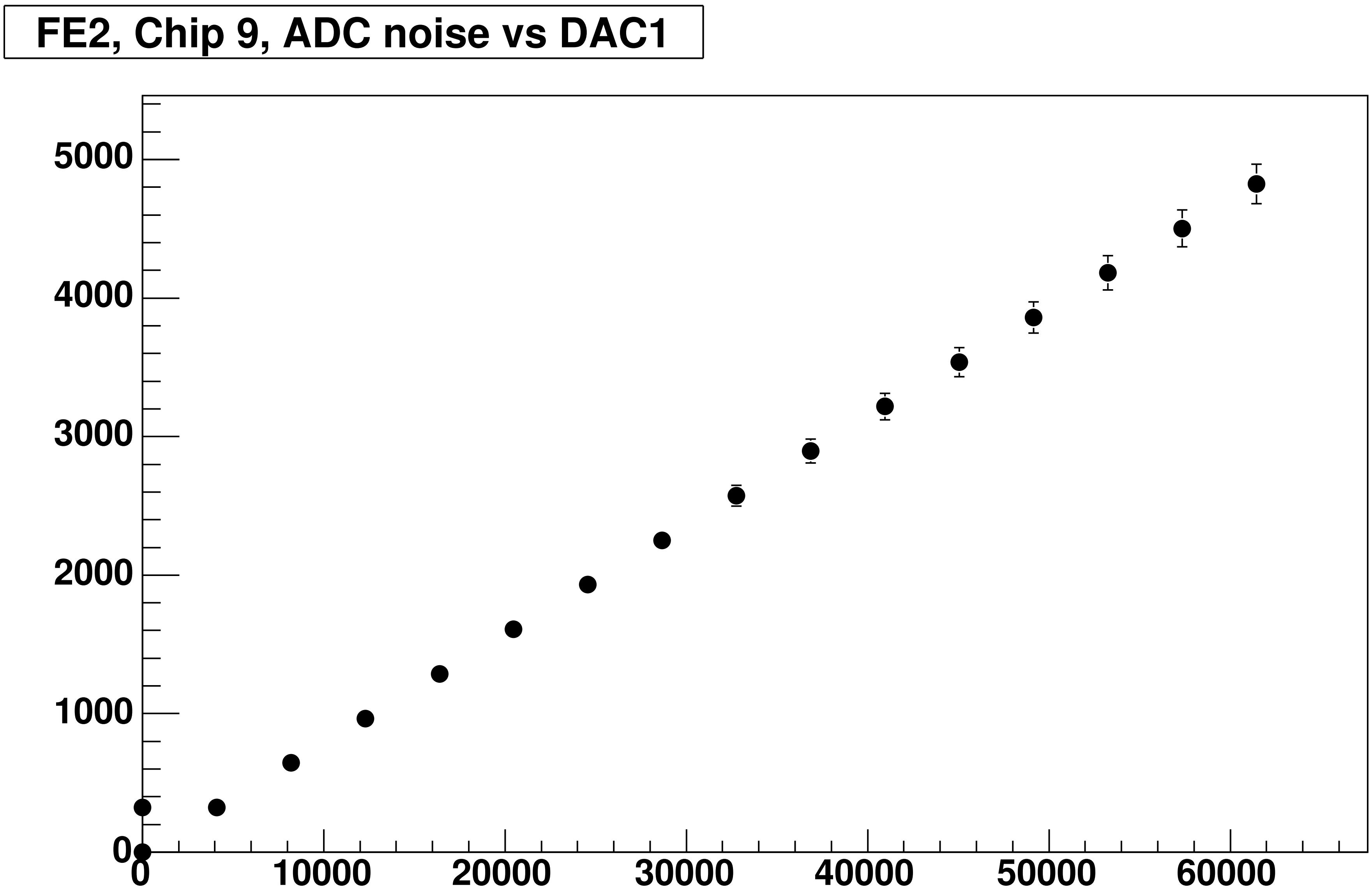


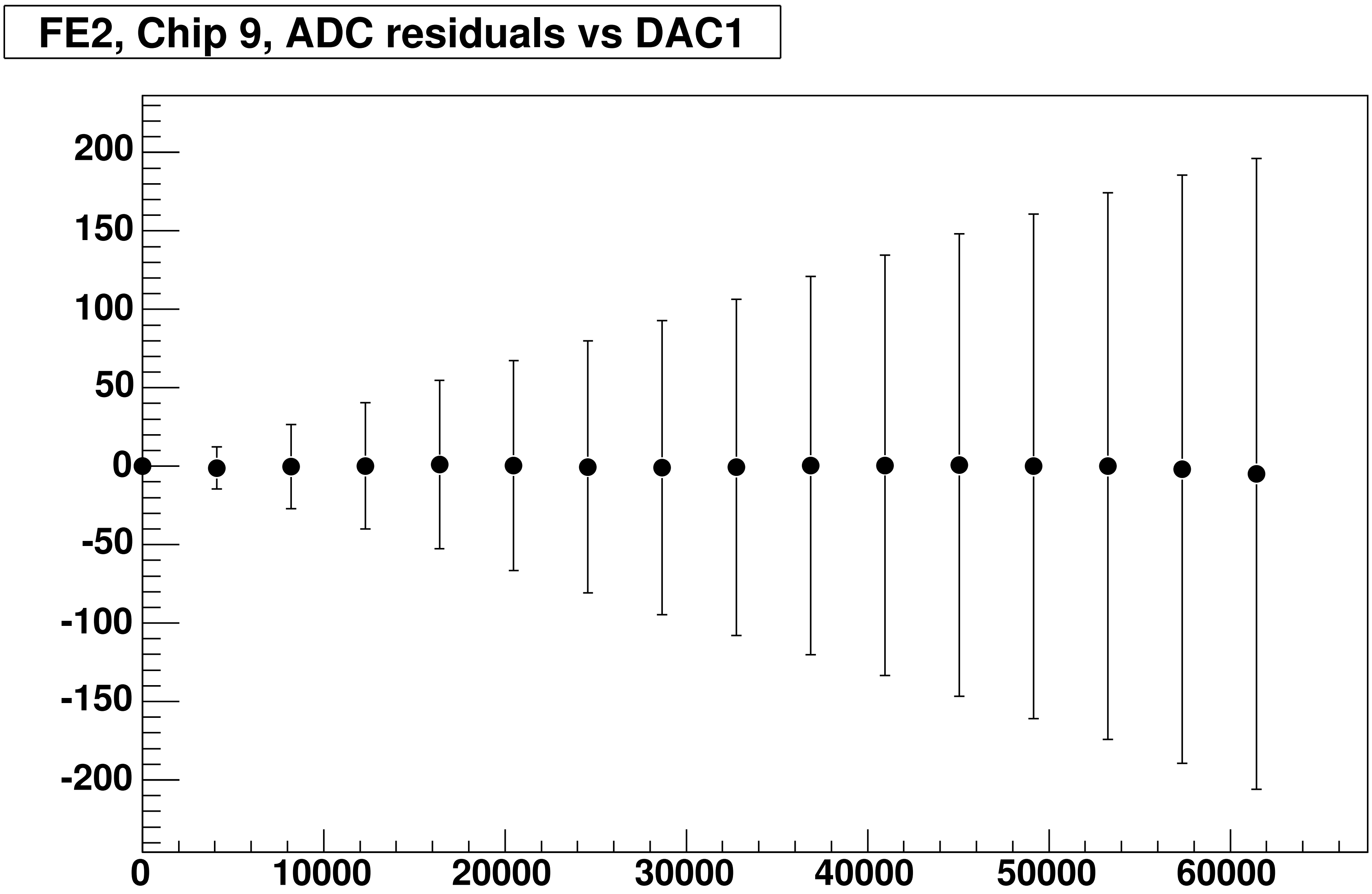
FE2, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

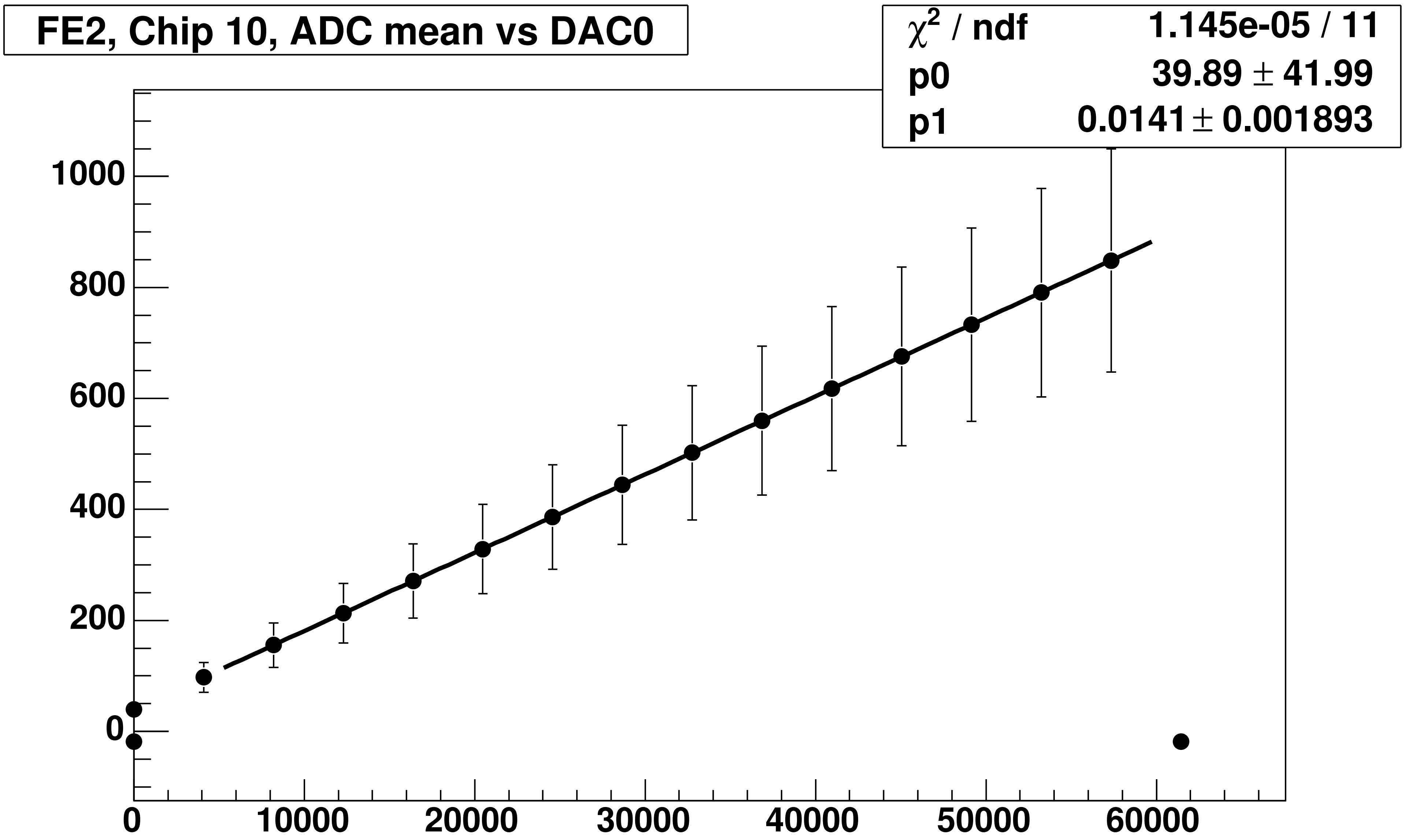


FE2, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

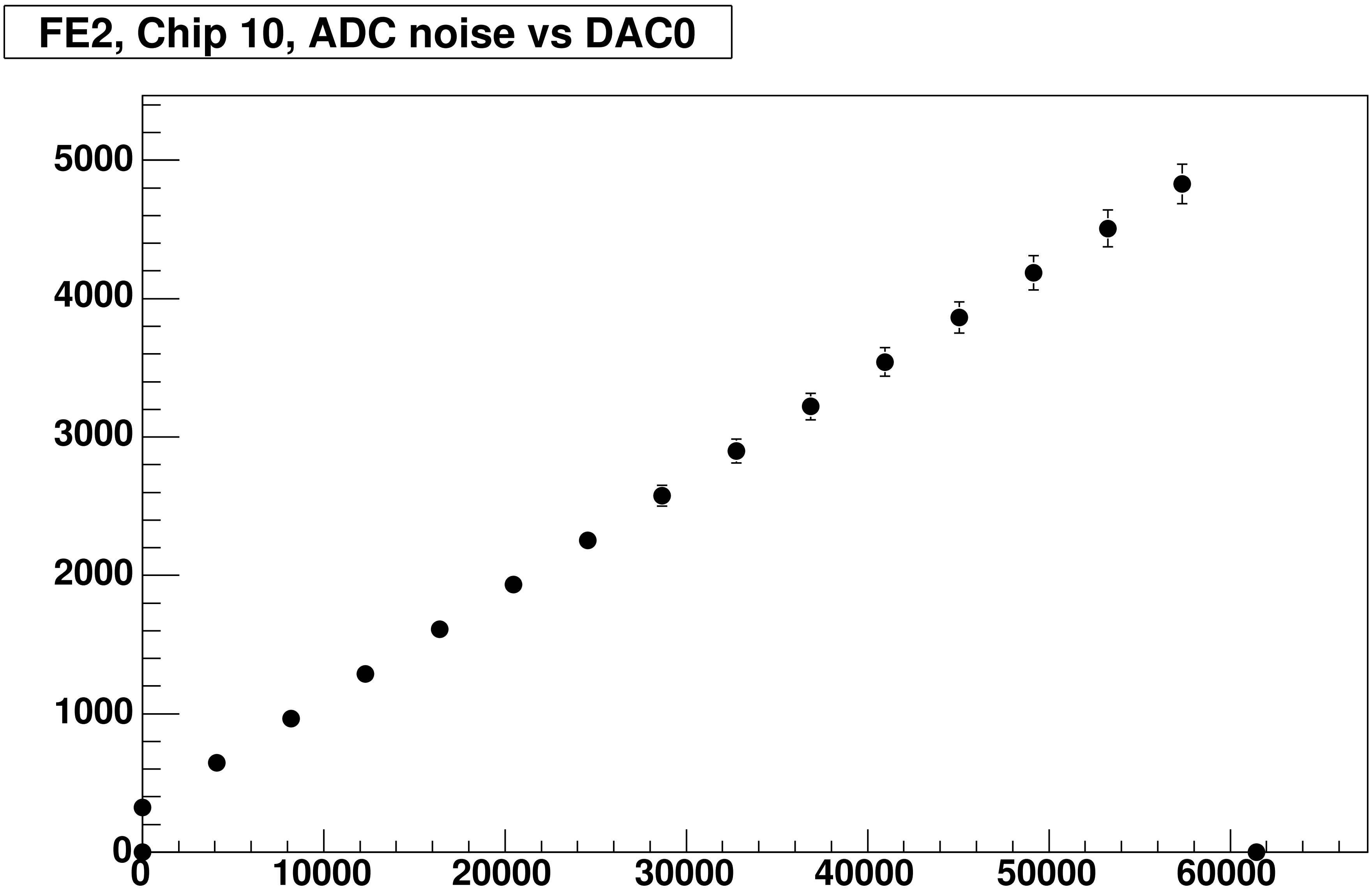

FE2, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0007919 / 11
p0 -12.09 ± 31.08
p1 0.4368 ± 0.001597
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

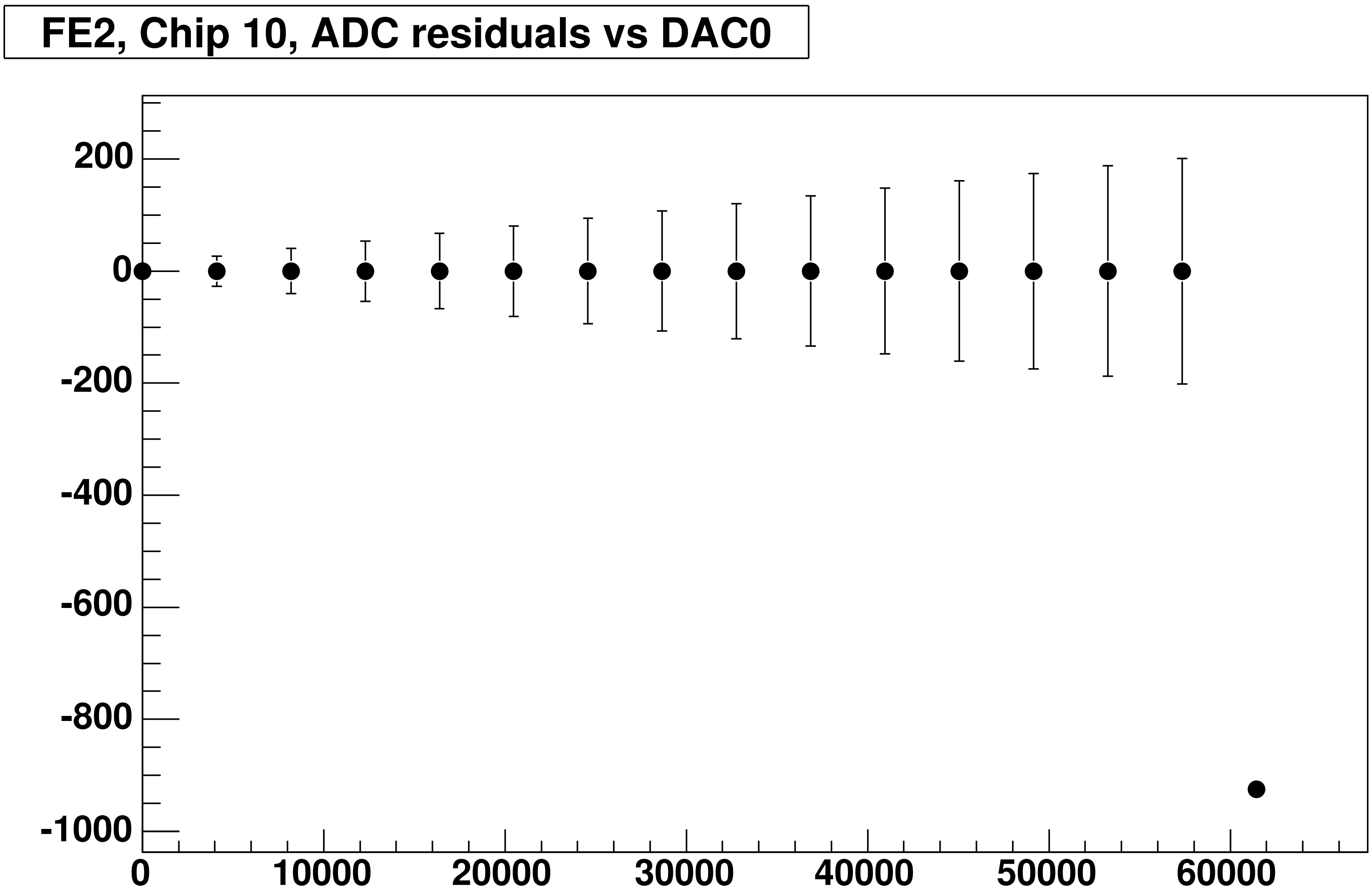

FE2, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

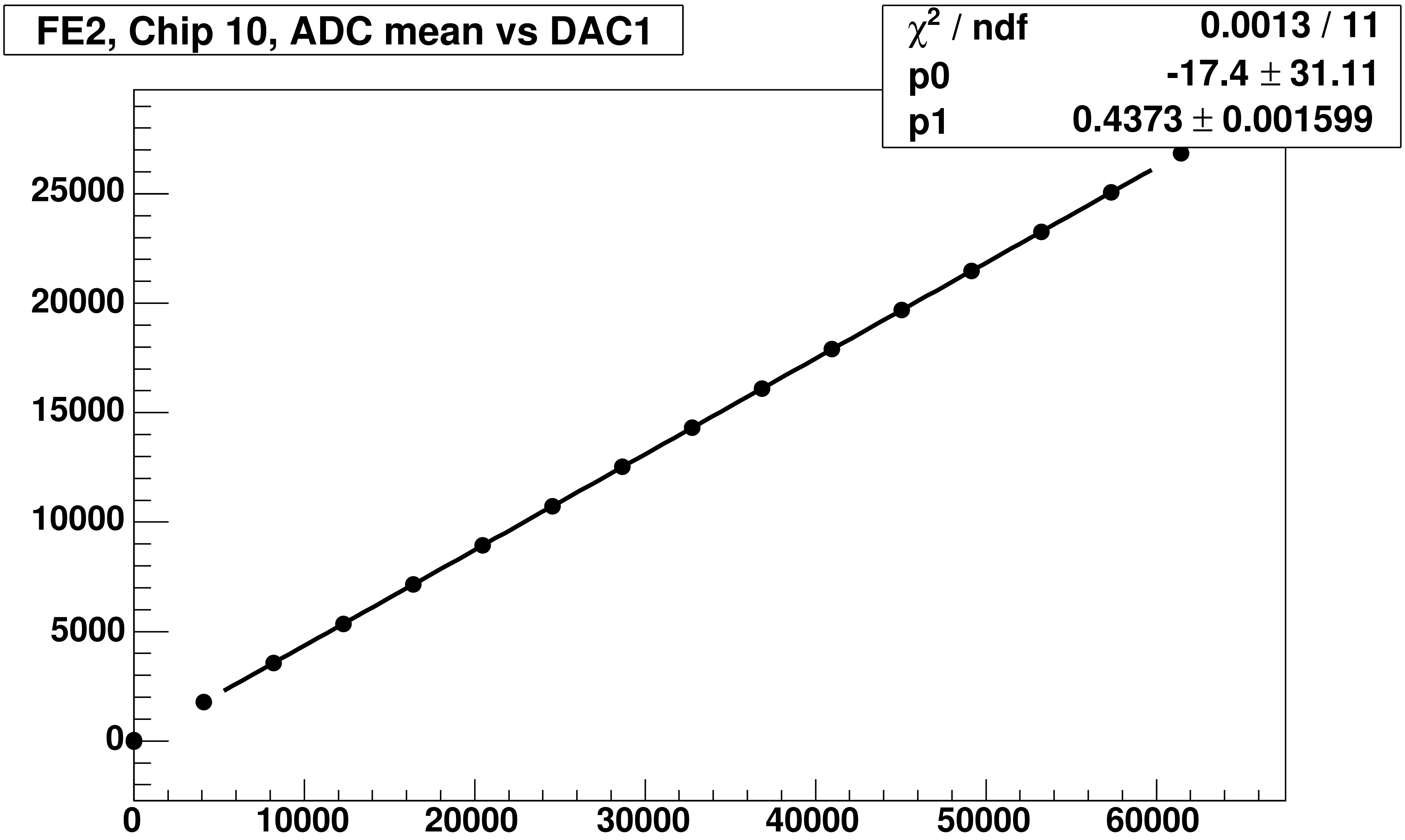

FE2, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

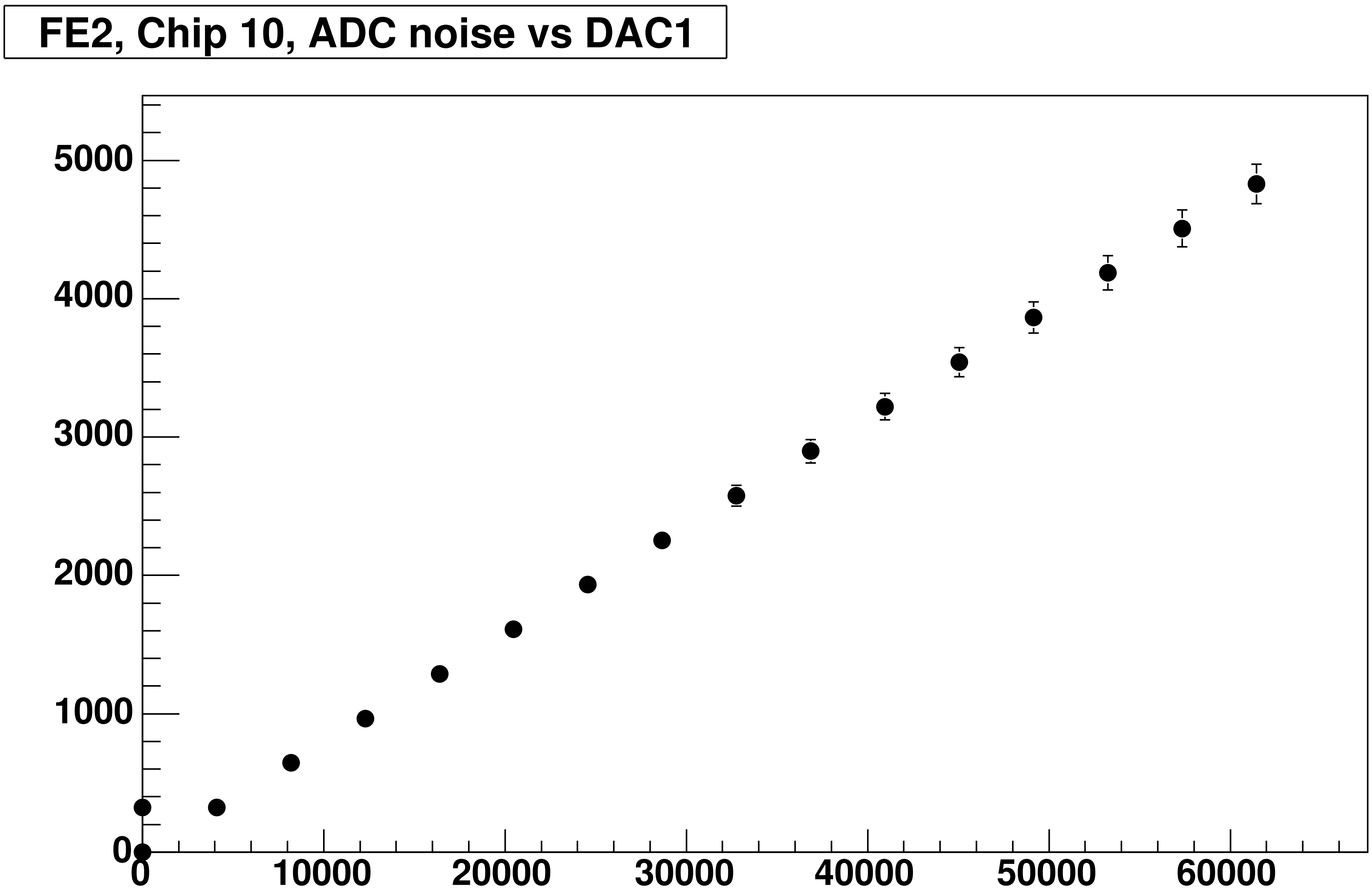


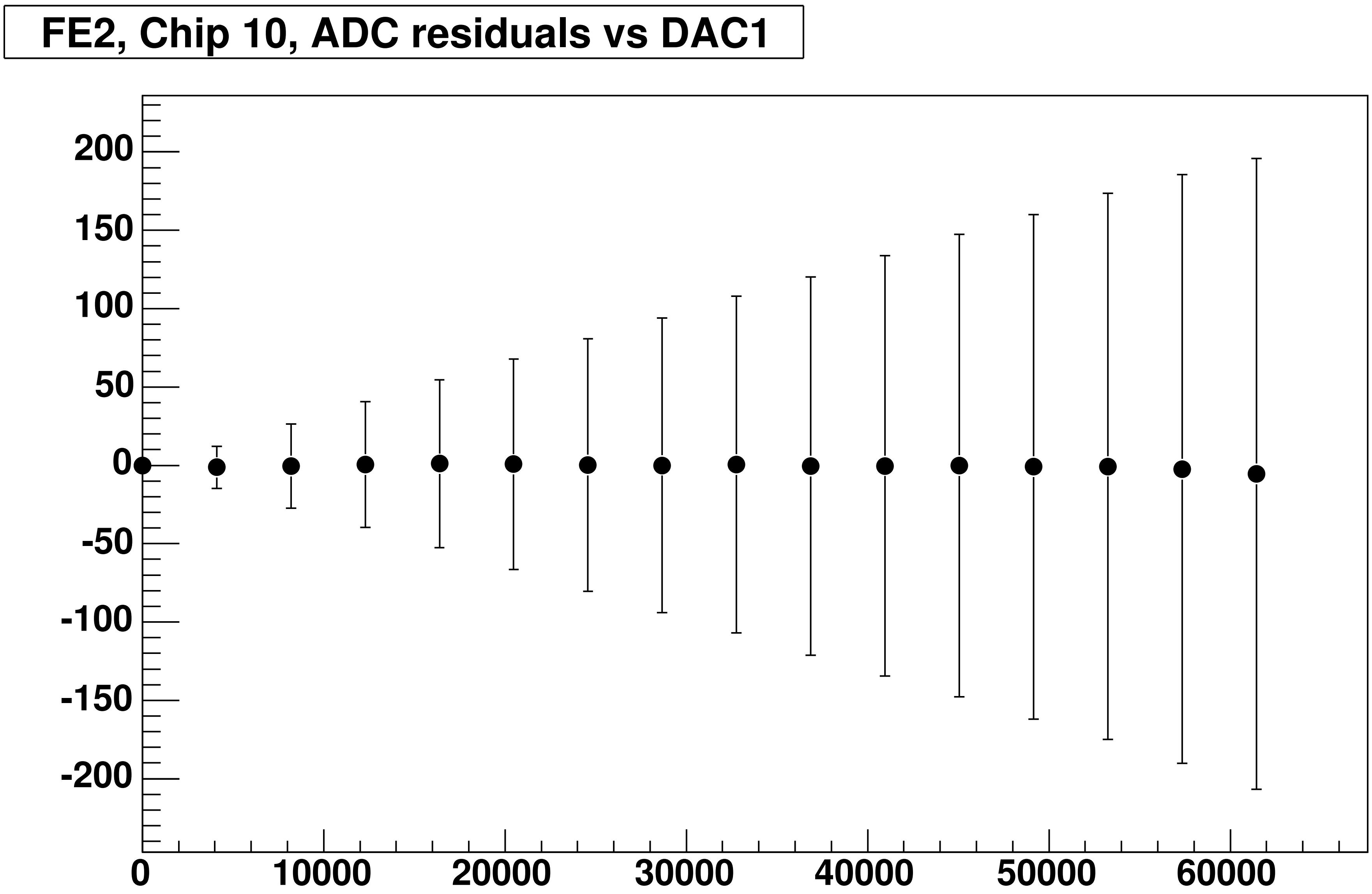
FE2, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1.145e-05 / 11
p0 39.89 ± 41.99
p1 0.0141 ± 0.001893
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

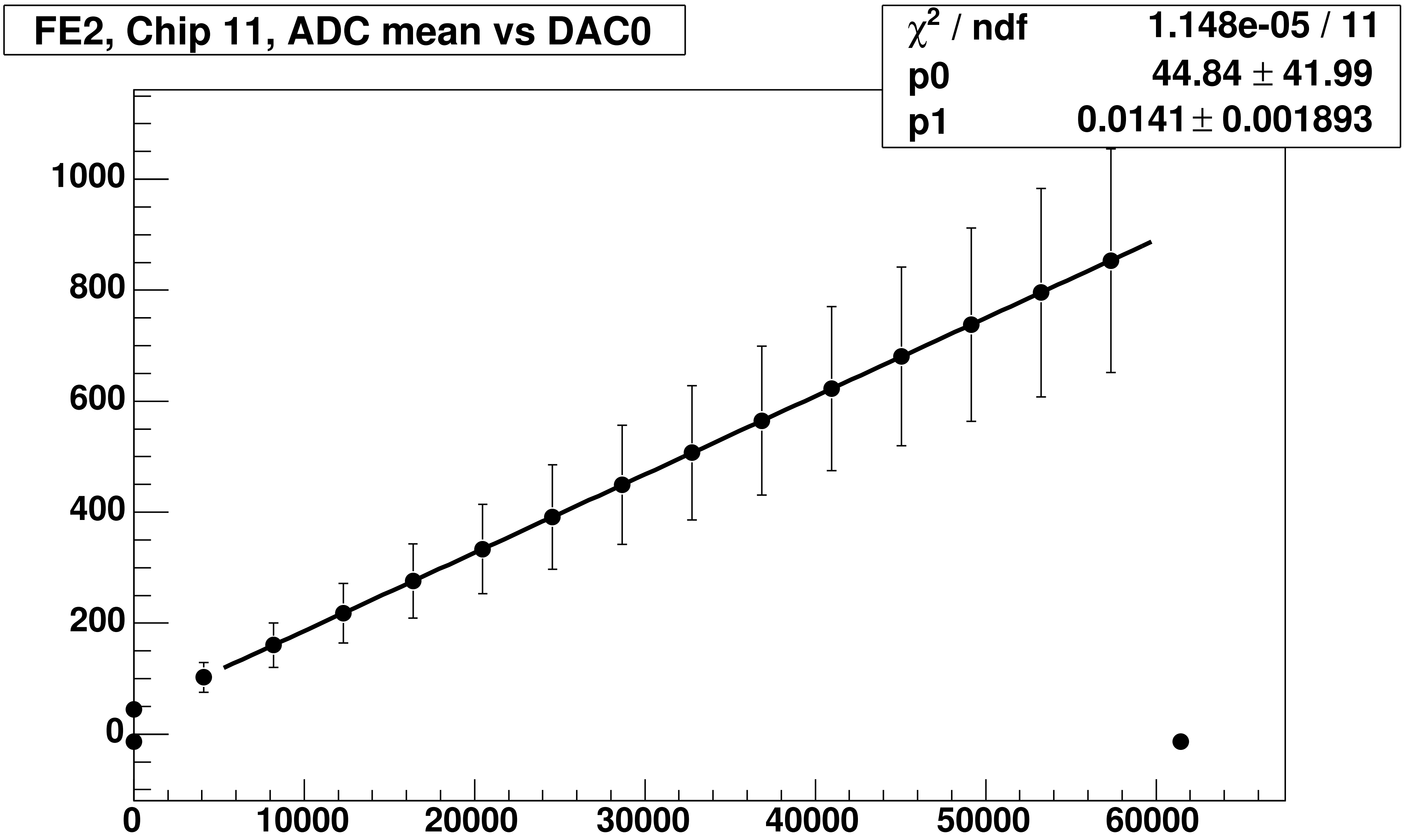

FE2, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

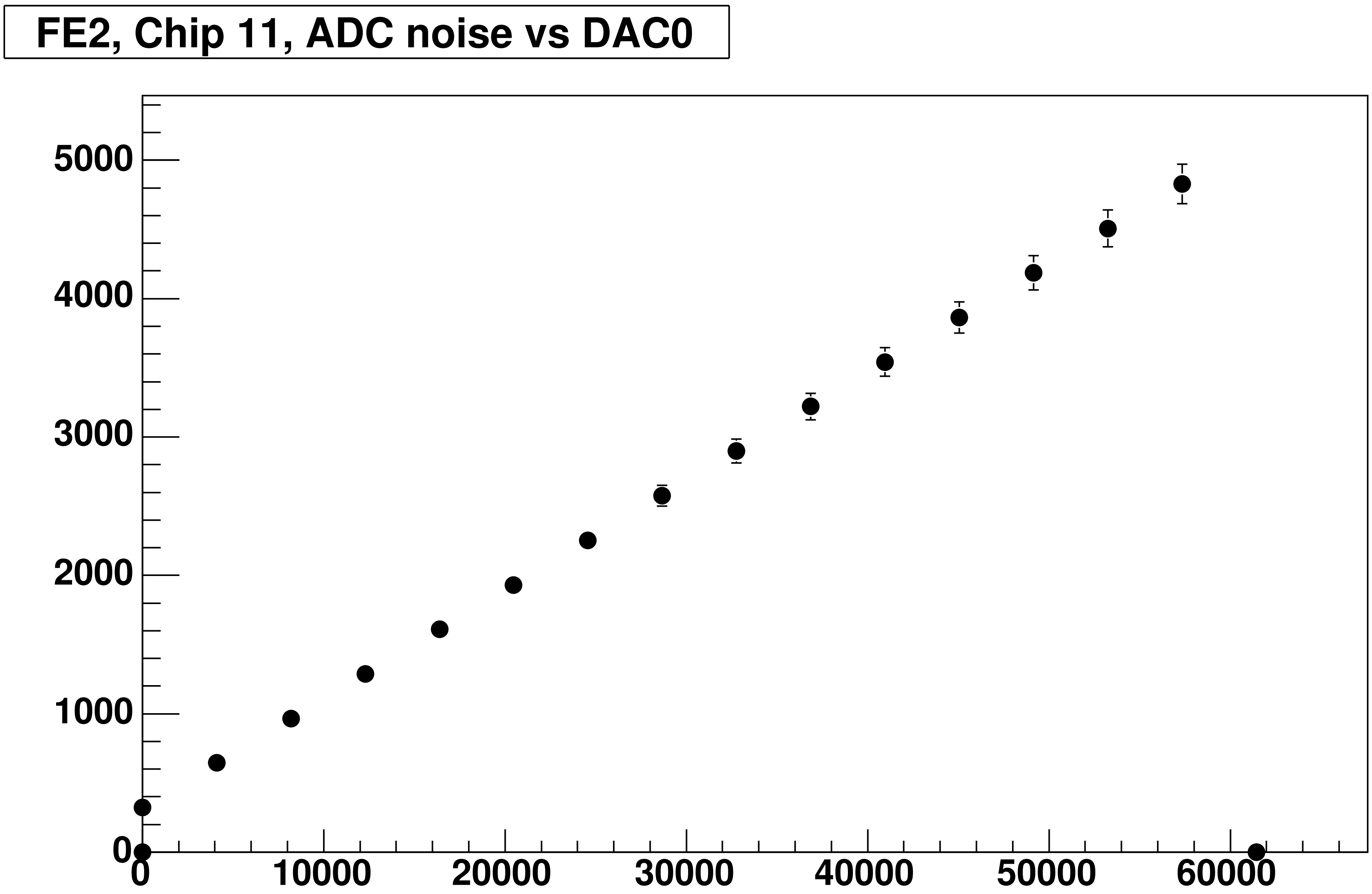

FE2, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

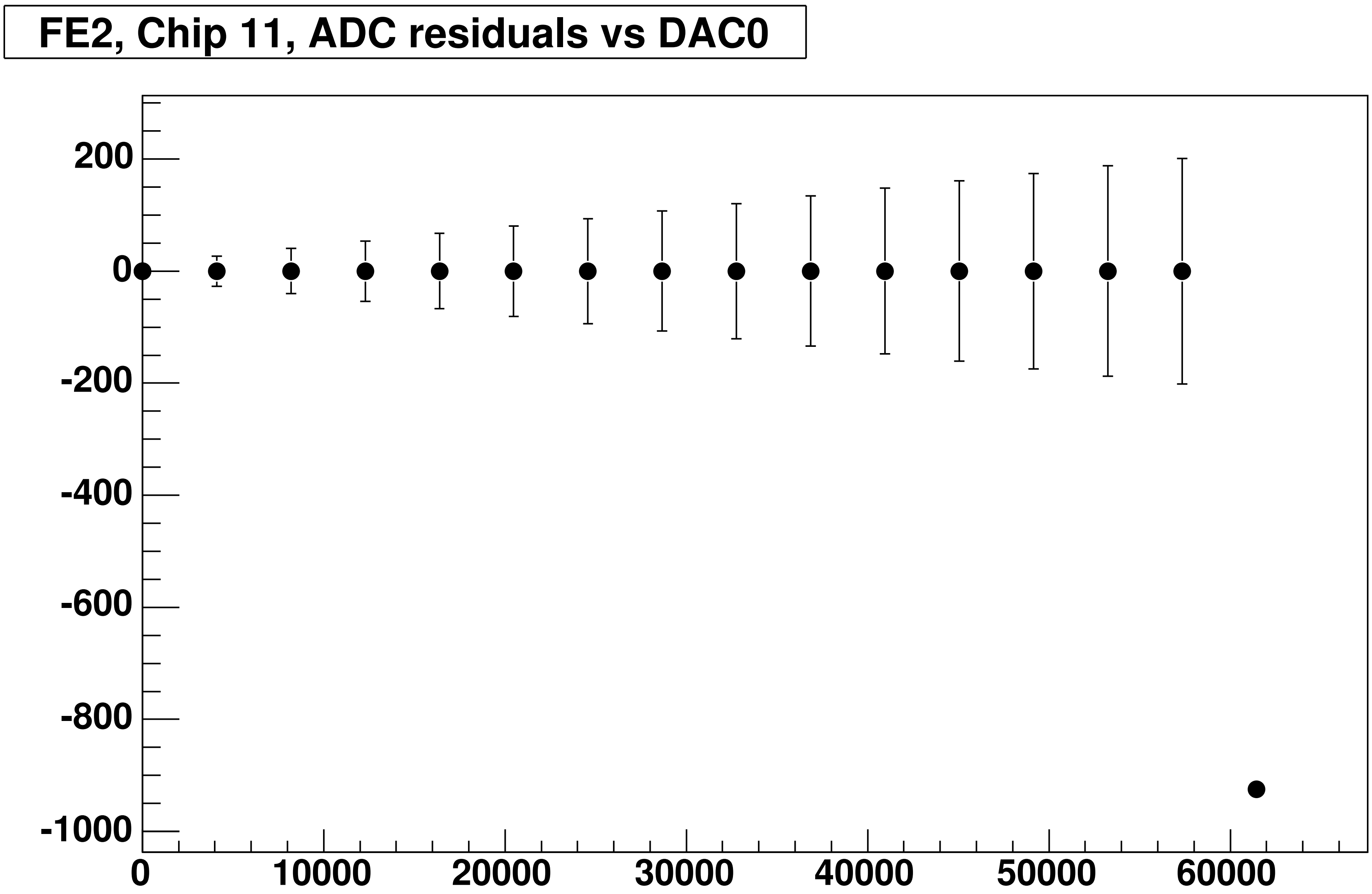

FE2, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0013 / 11
p0 -17.4 ± 31.11
p1 0.4373 ± 0.001599
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

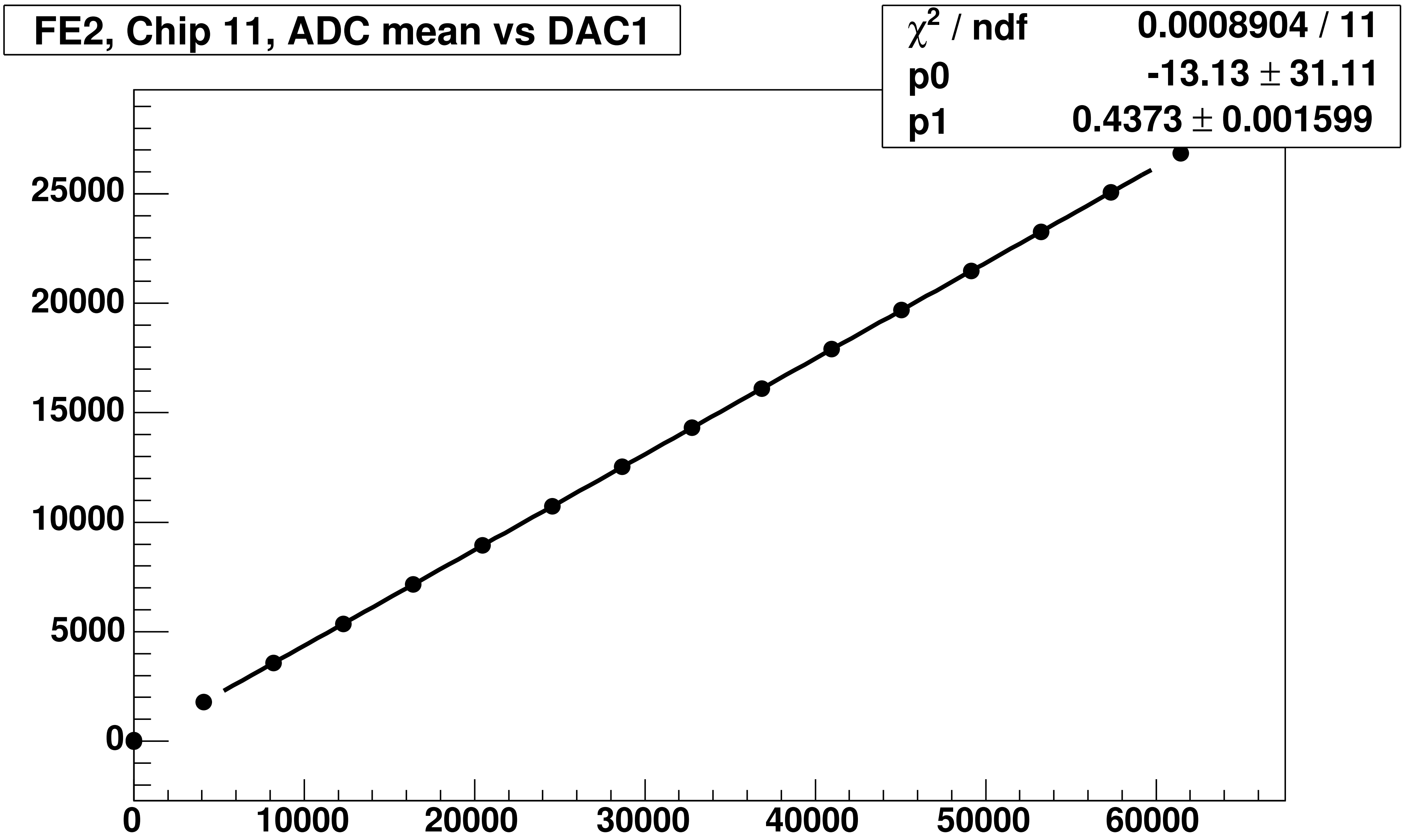

FE2, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

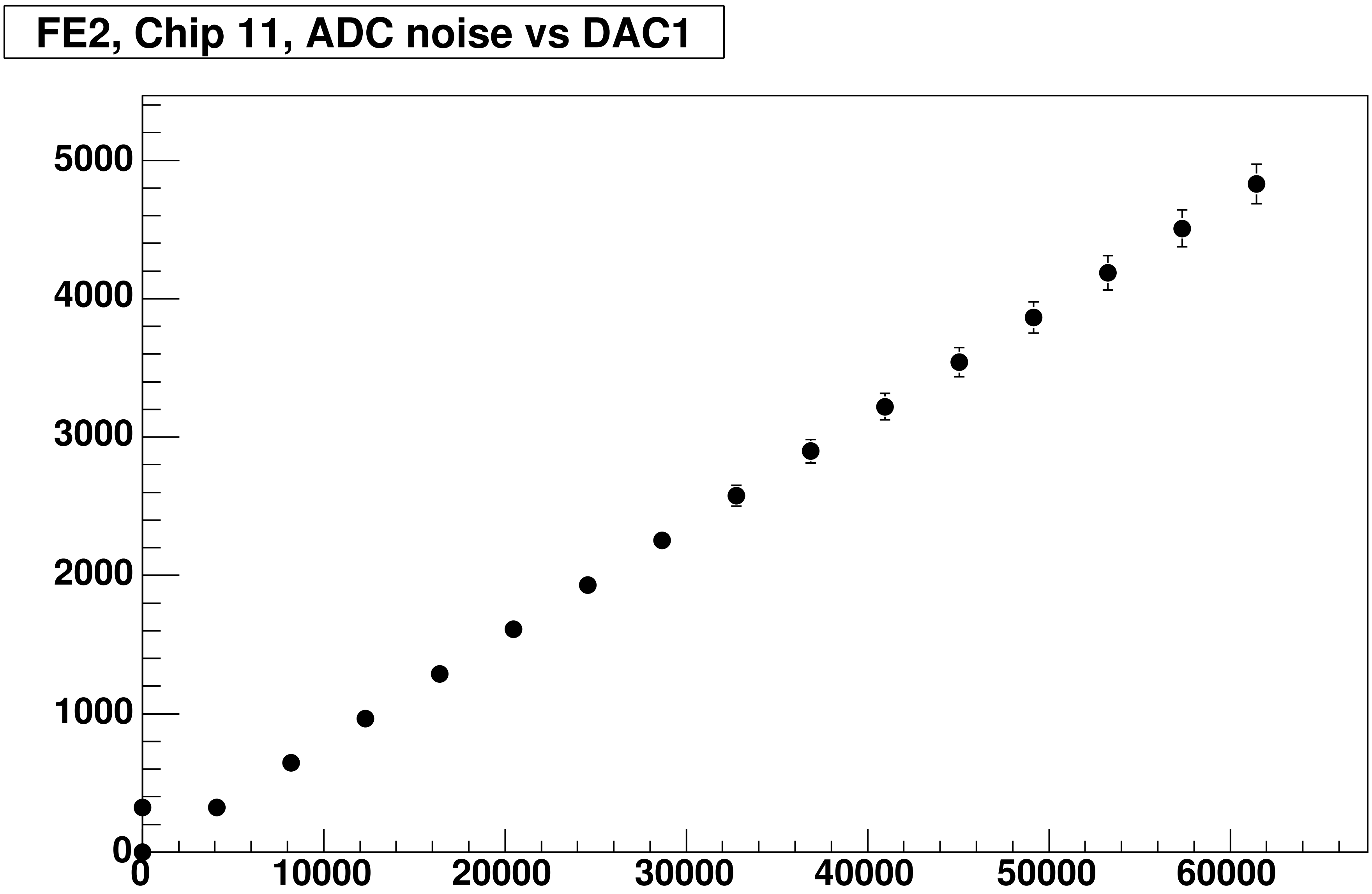

FE2, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE2, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1.148e-05 / 11
p0 44.84 ± 41.99
p1 0.0141 ± 0.001893
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

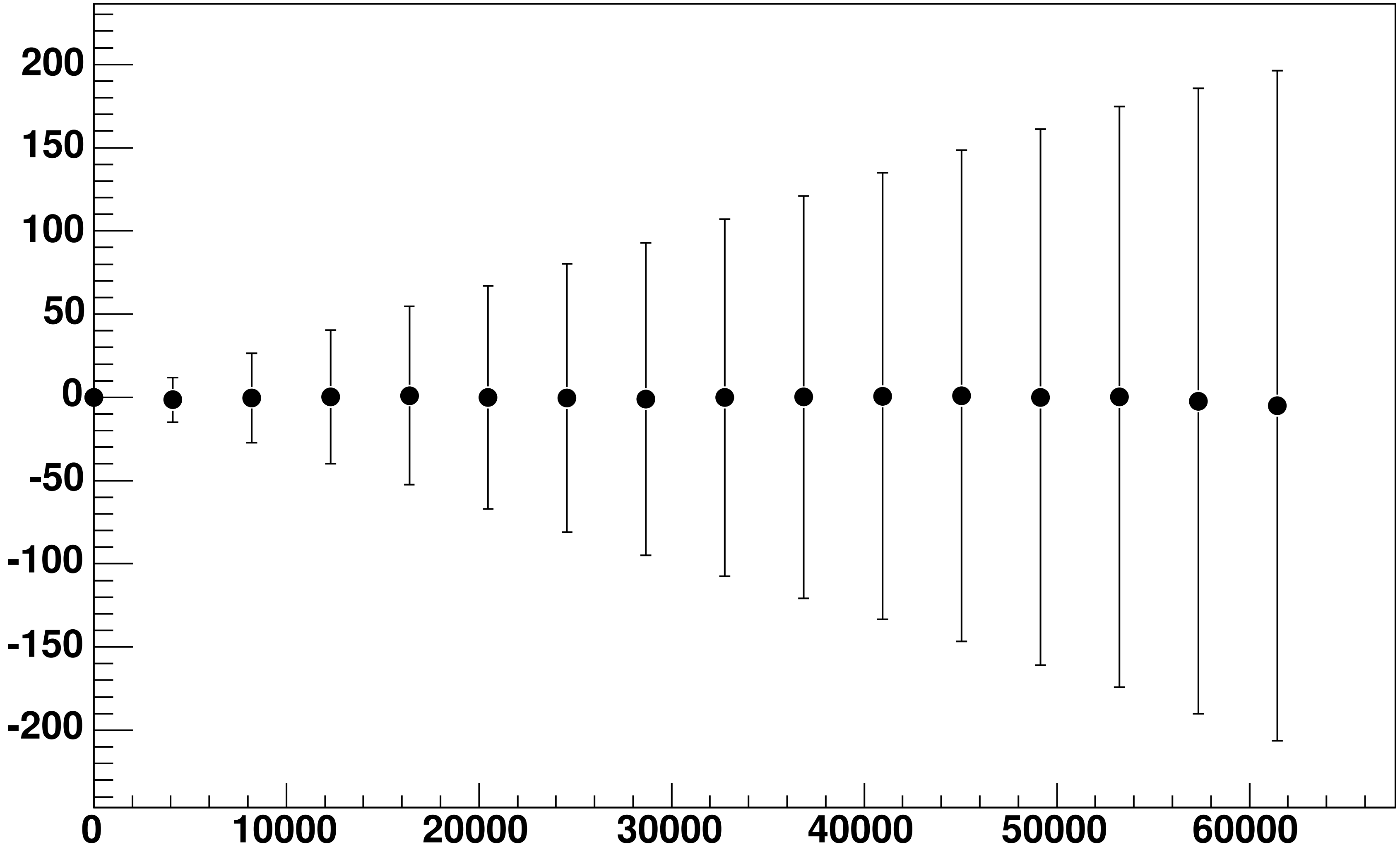

FE2, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

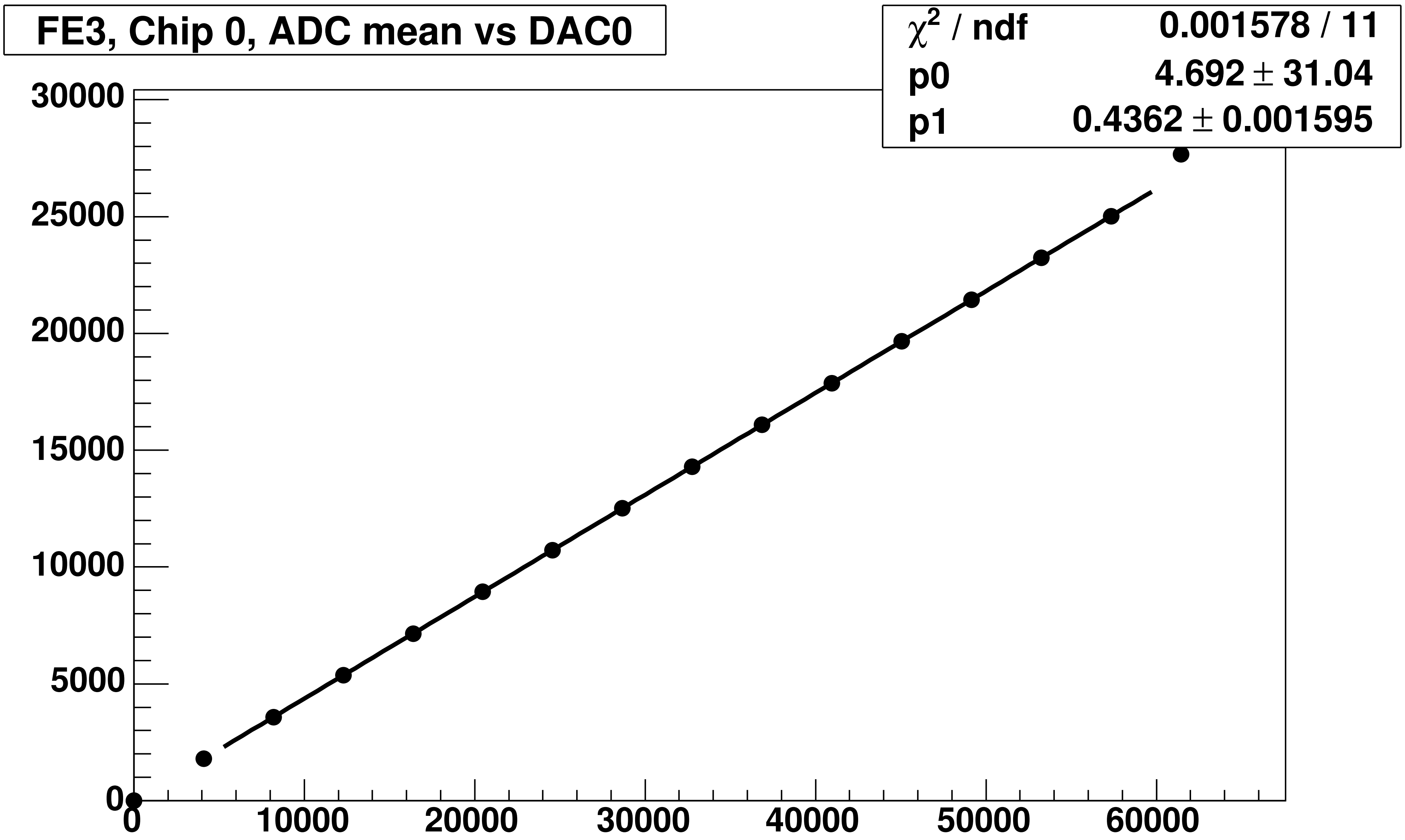

FE2, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0008904 / 11
p0 -13.13 ± 31.11
p1 0.4373 ± 0.001599
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

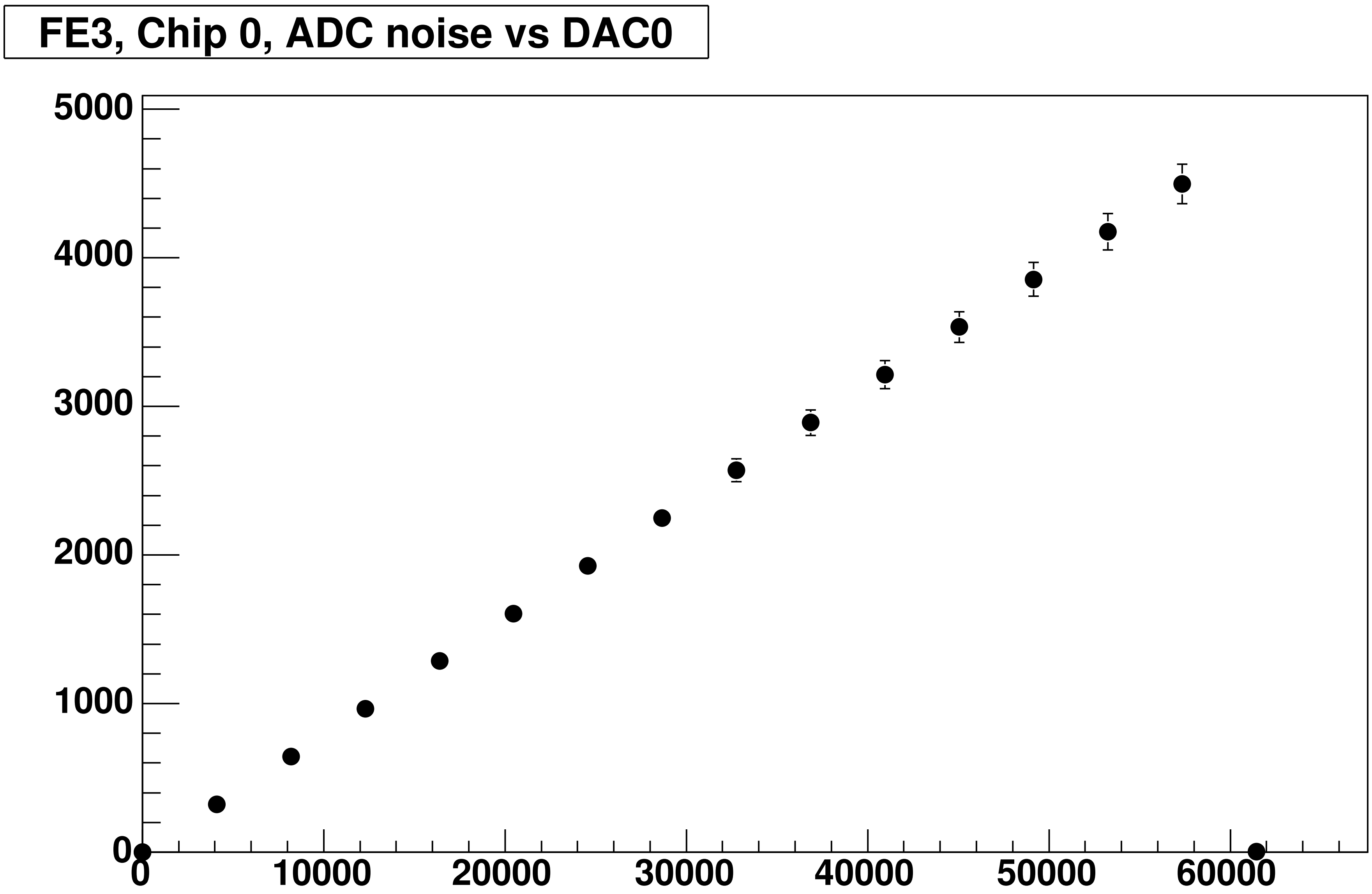


FE2, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

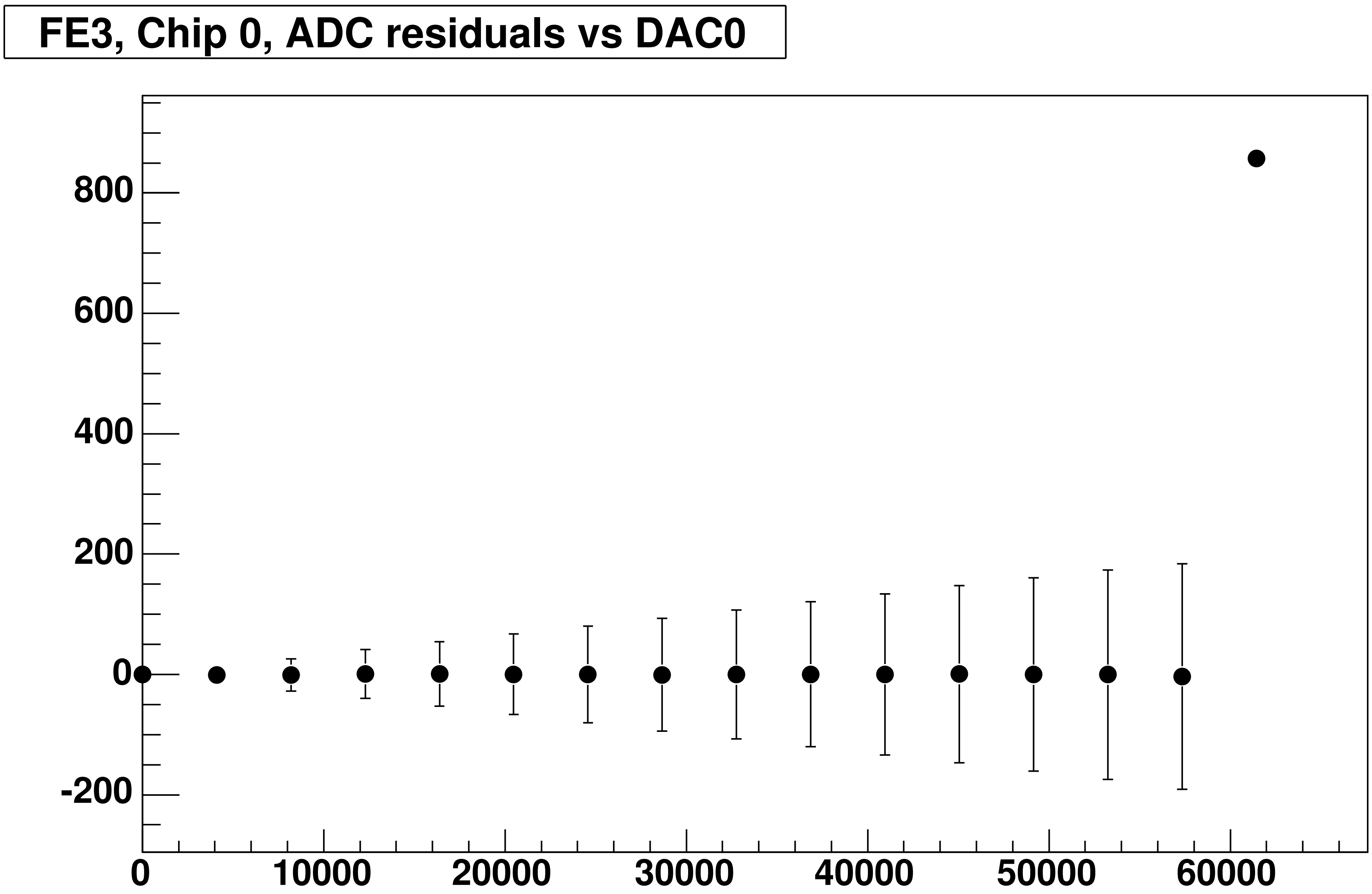
FE2, Chip 11, ADC residuals vs DAC1

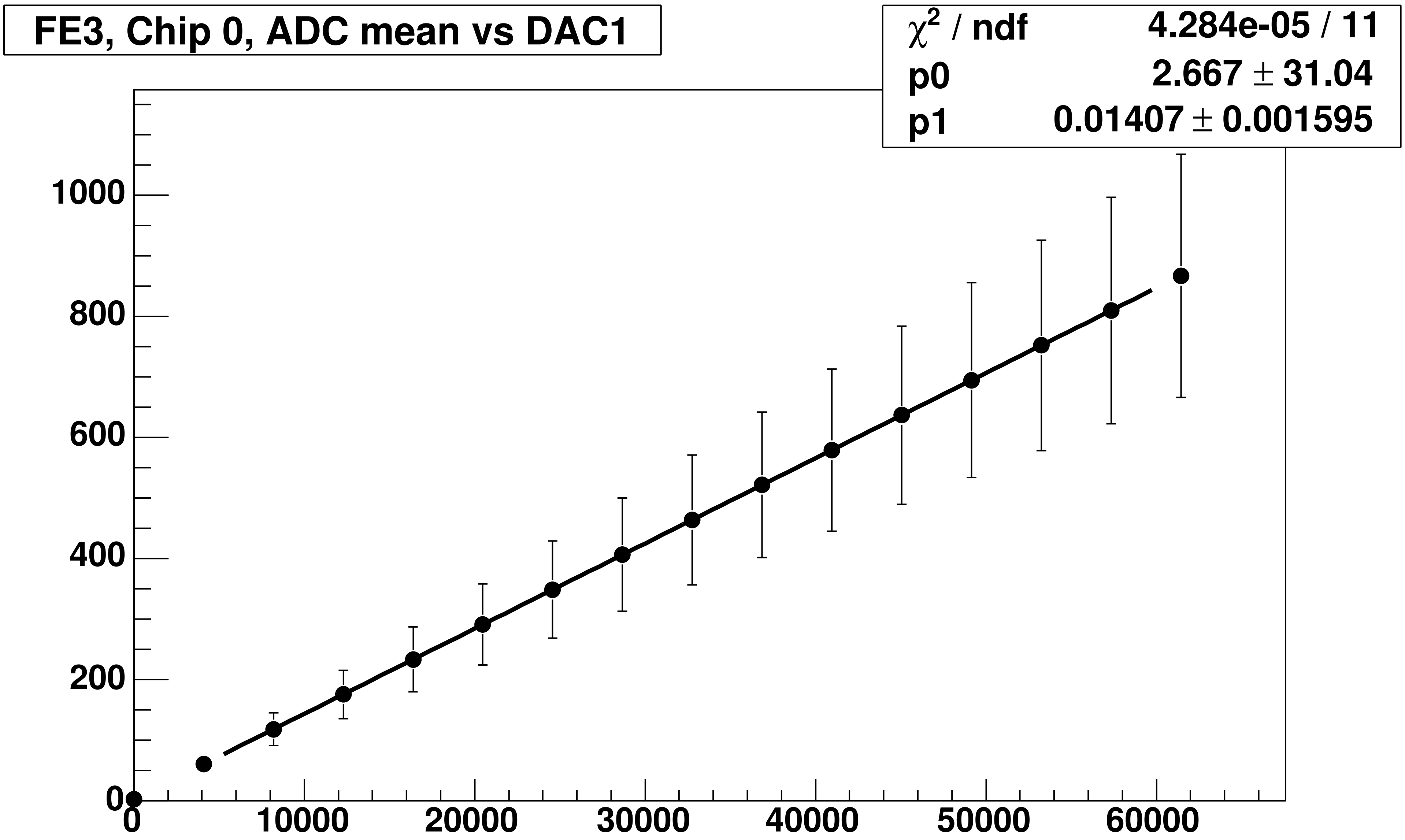



FE3, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001578 / 11
p0 4.692 ± 31.04
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

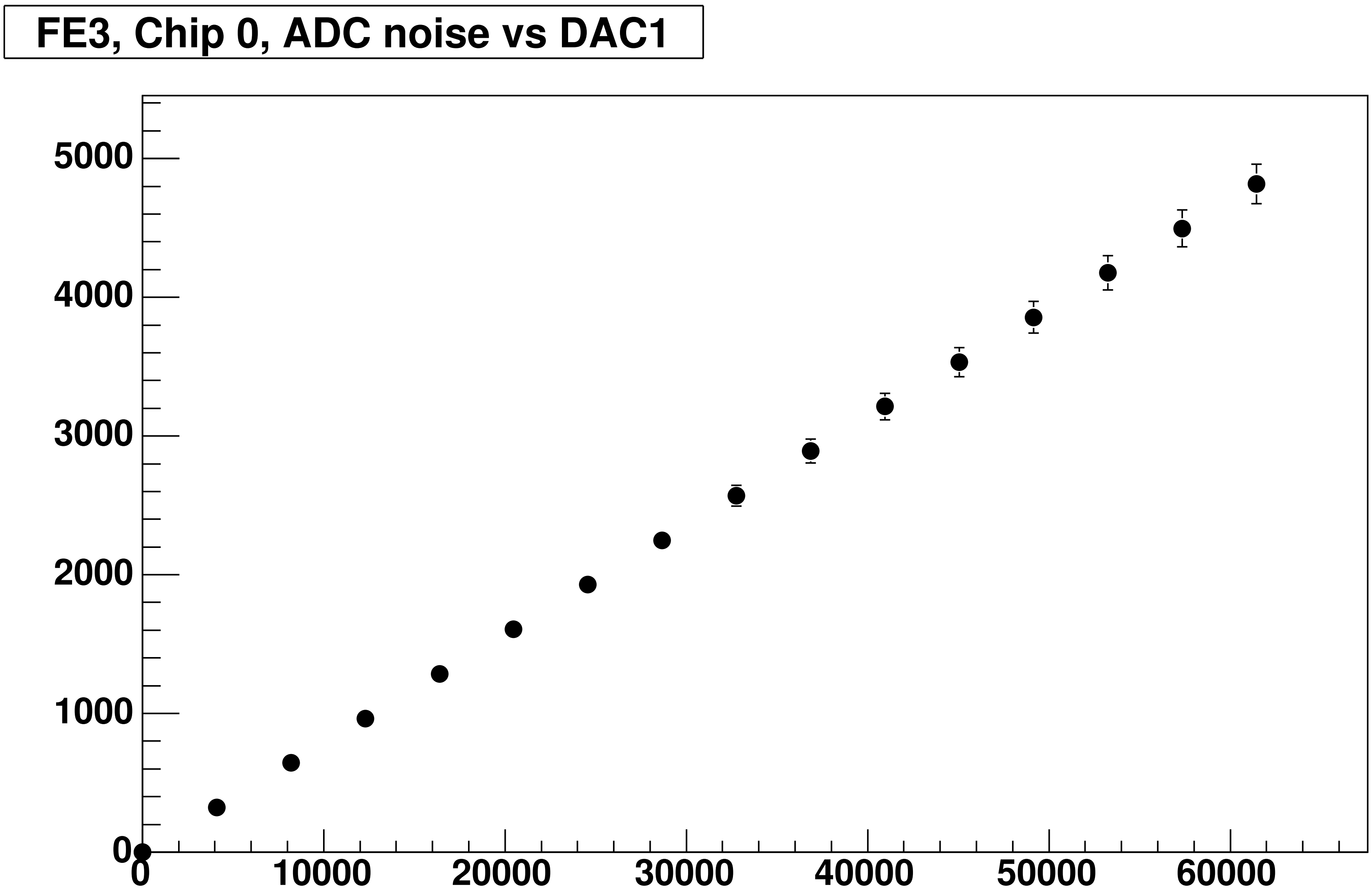


FE3, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

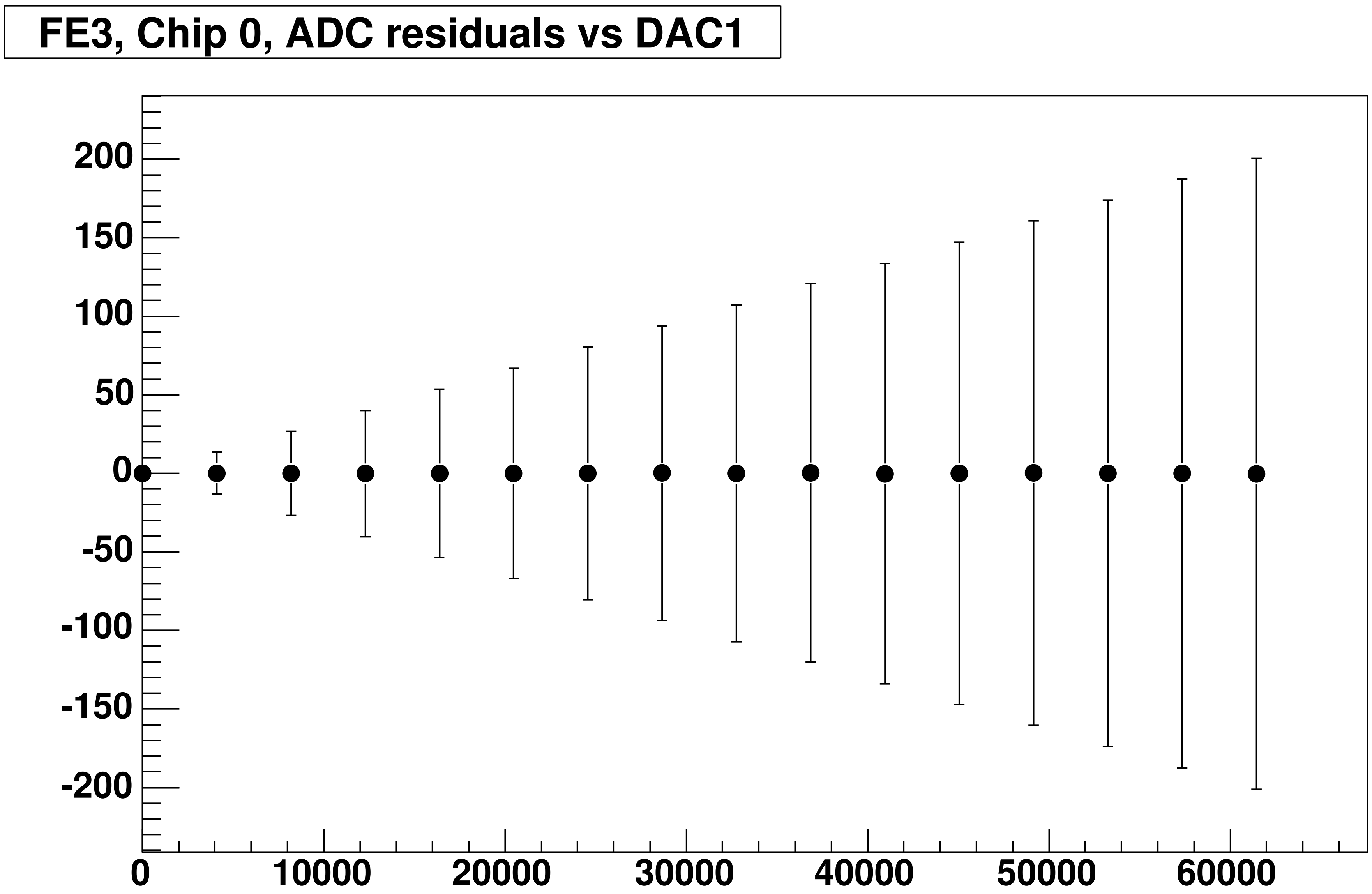

FE3, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



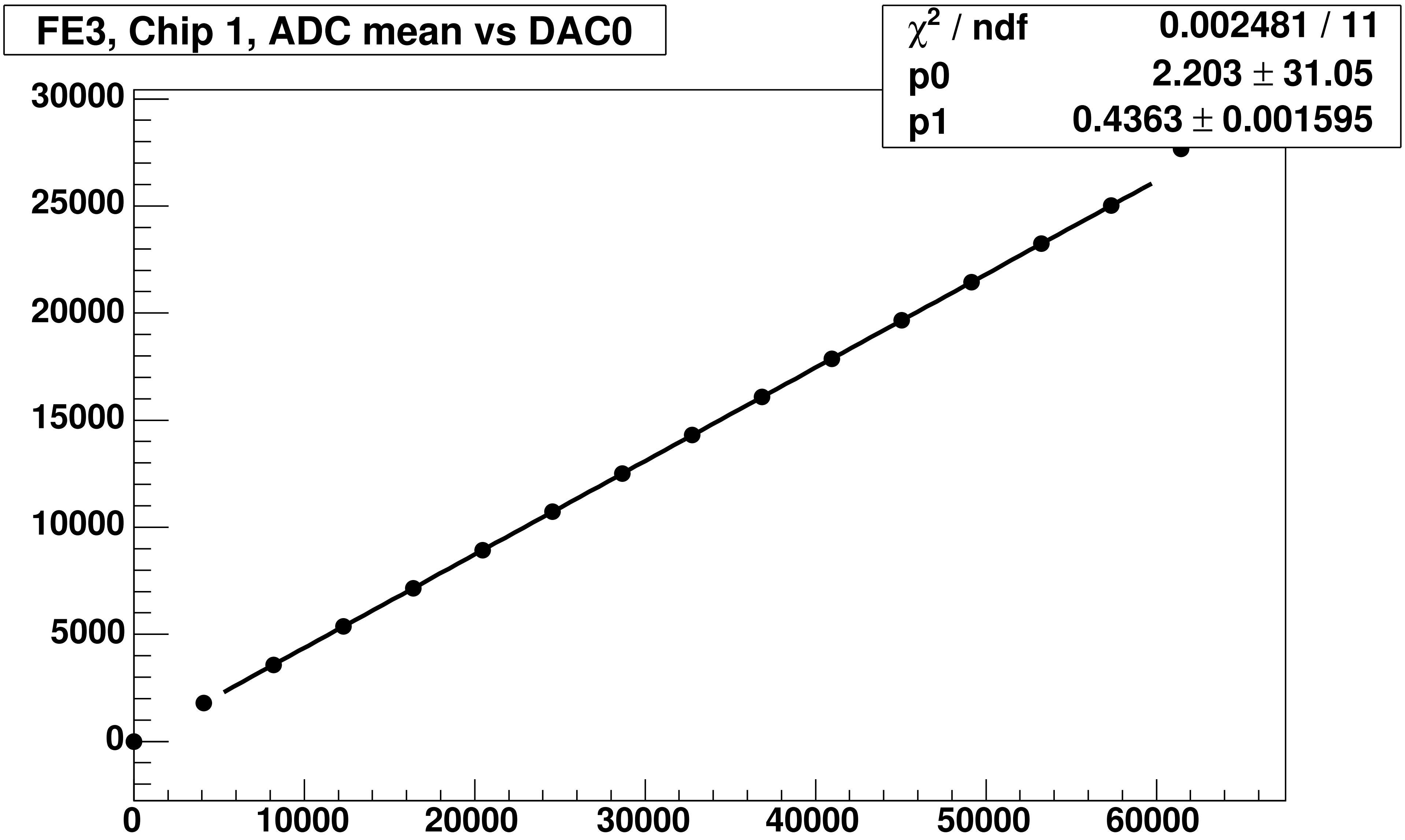
FE3, Chip 0, ADC mean vs DAC1
χ^2 / ndf 4.284e-05 / 11
p0 2.667 ± 31.04
p1 0.01407 ± 0.001595
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

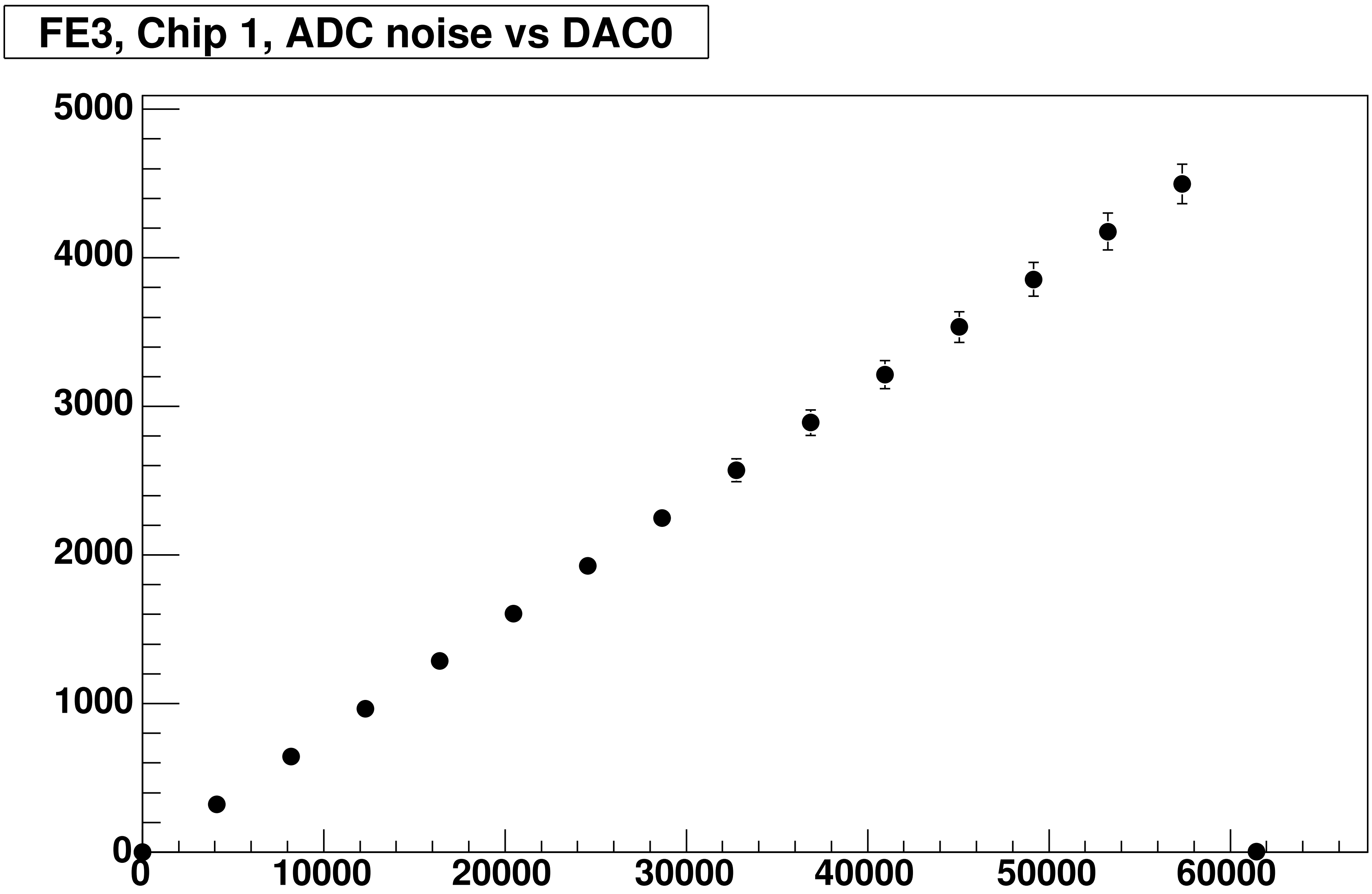


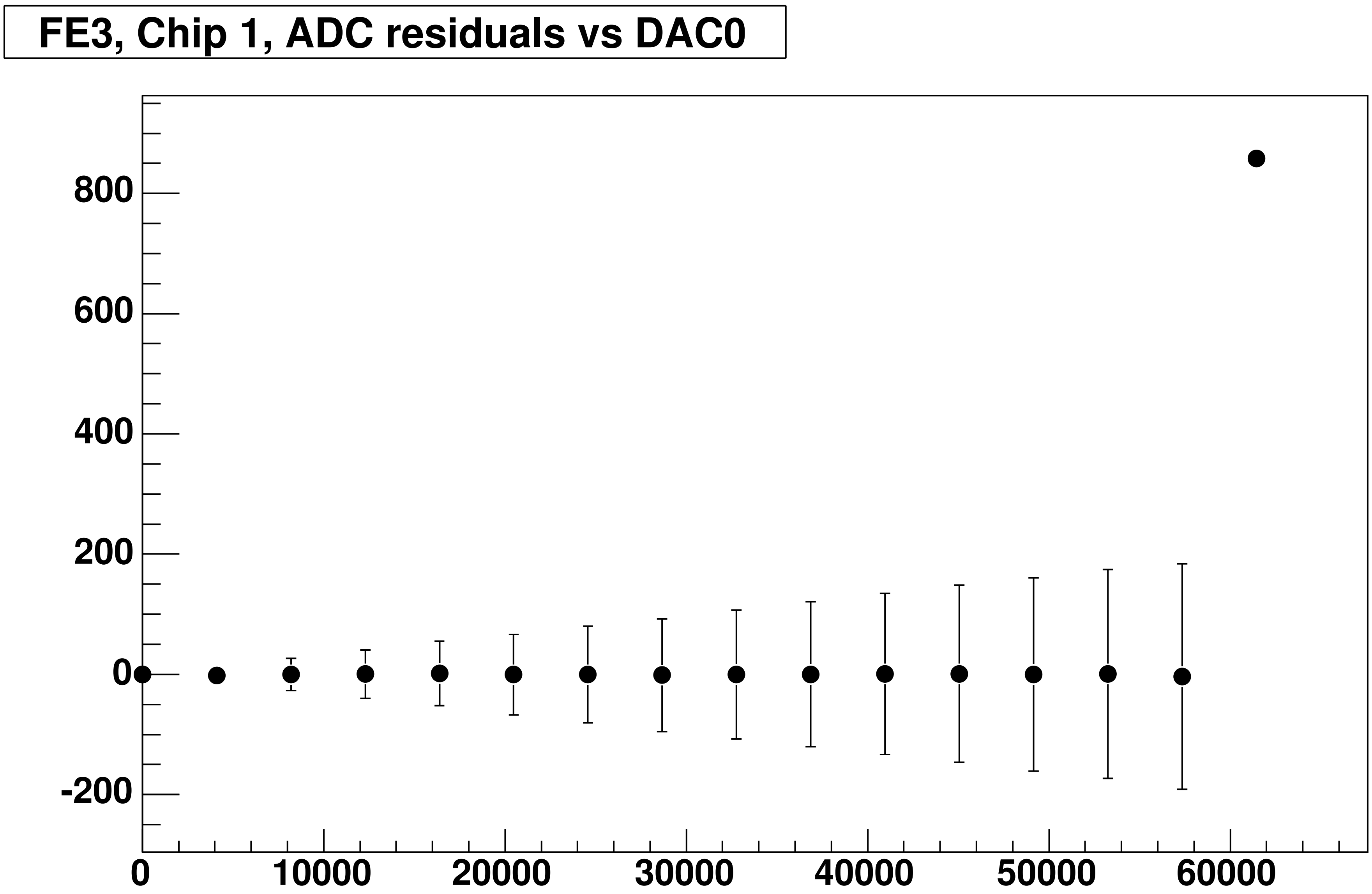
FE3, Chip 0, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

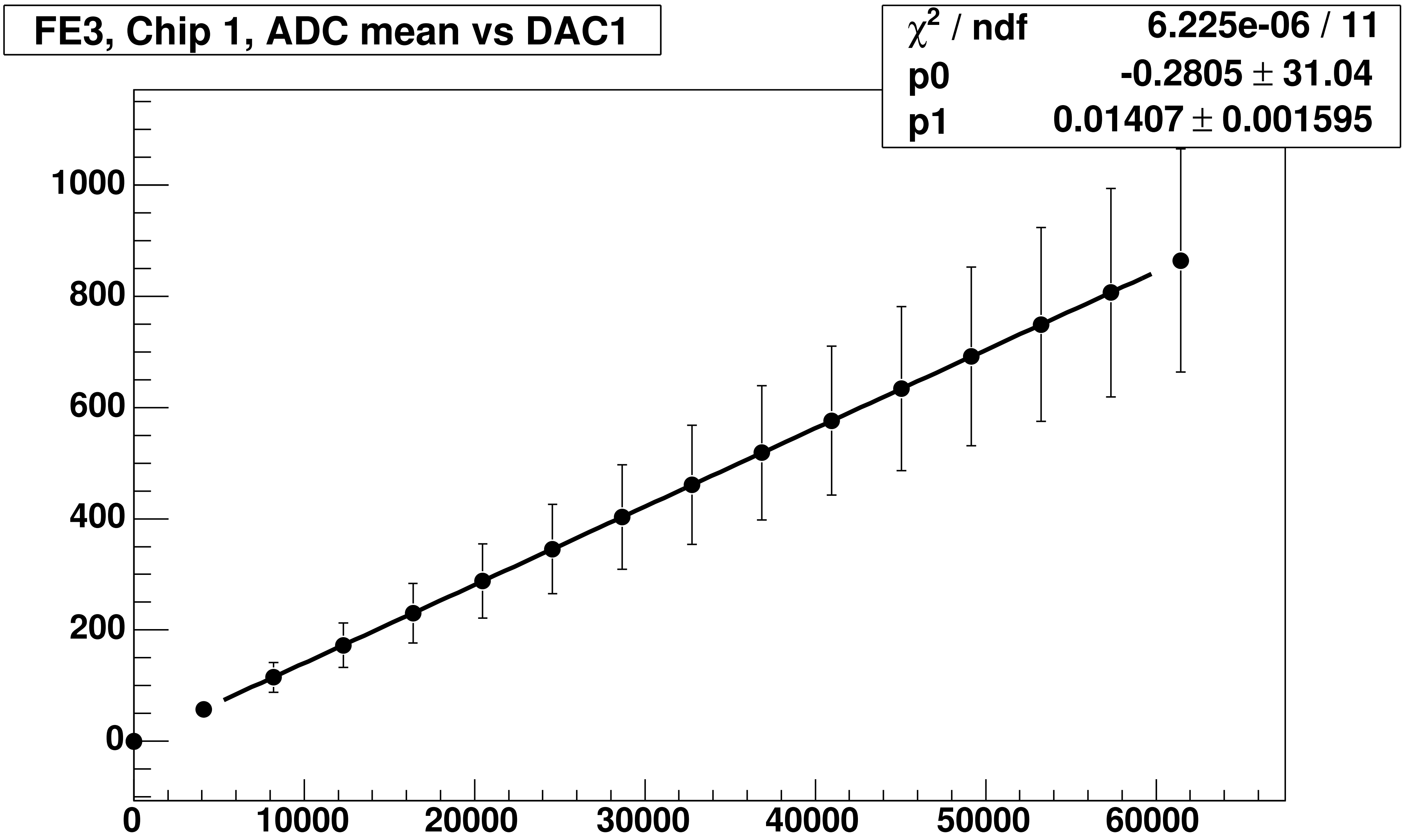


FE3, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

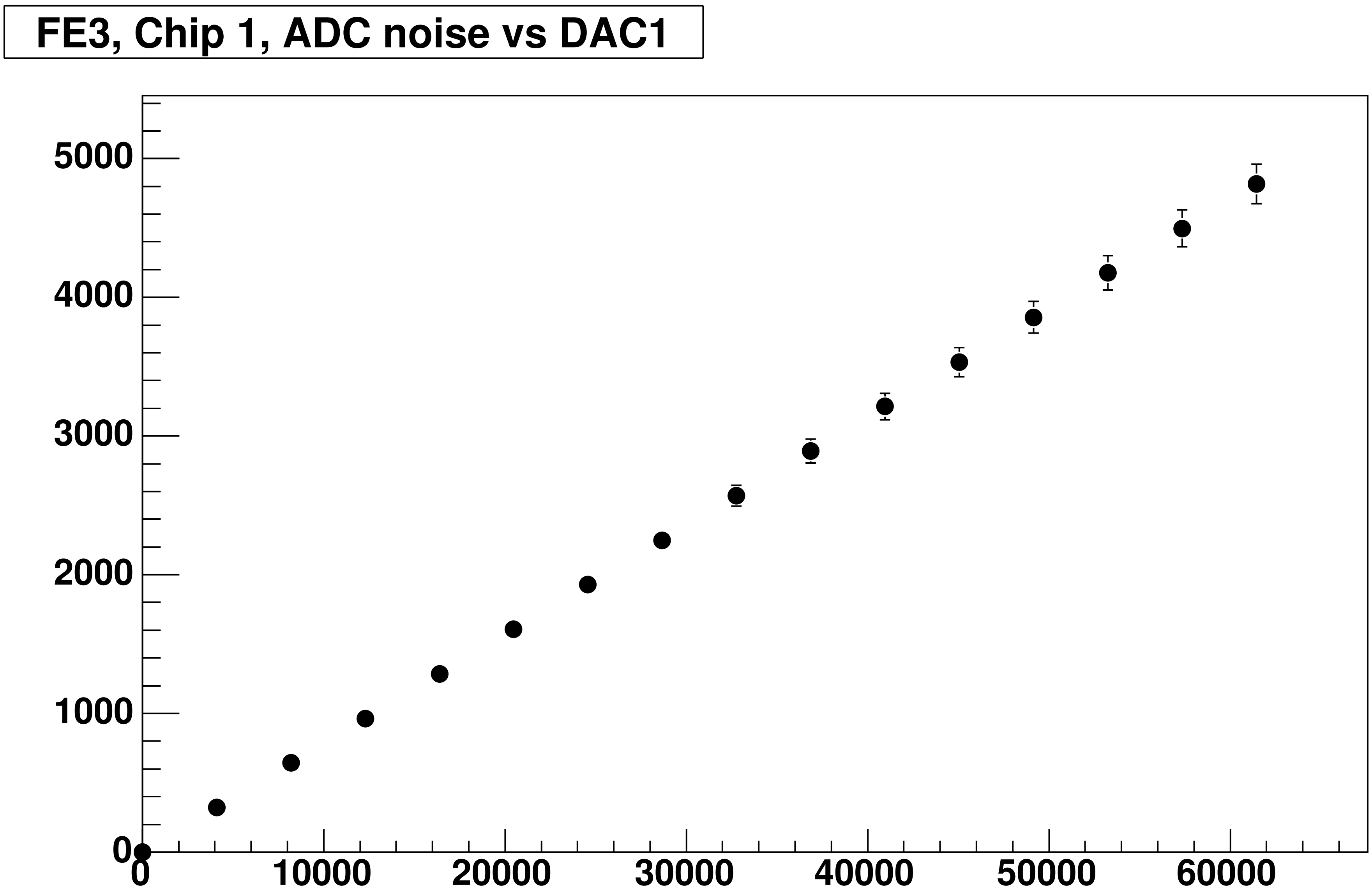

FE3, Chip 1, ADC mean vs DAC0
χ² / ndf 0.002481 / 11
p0 2.203 ± 31.05
p1 0.4363 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

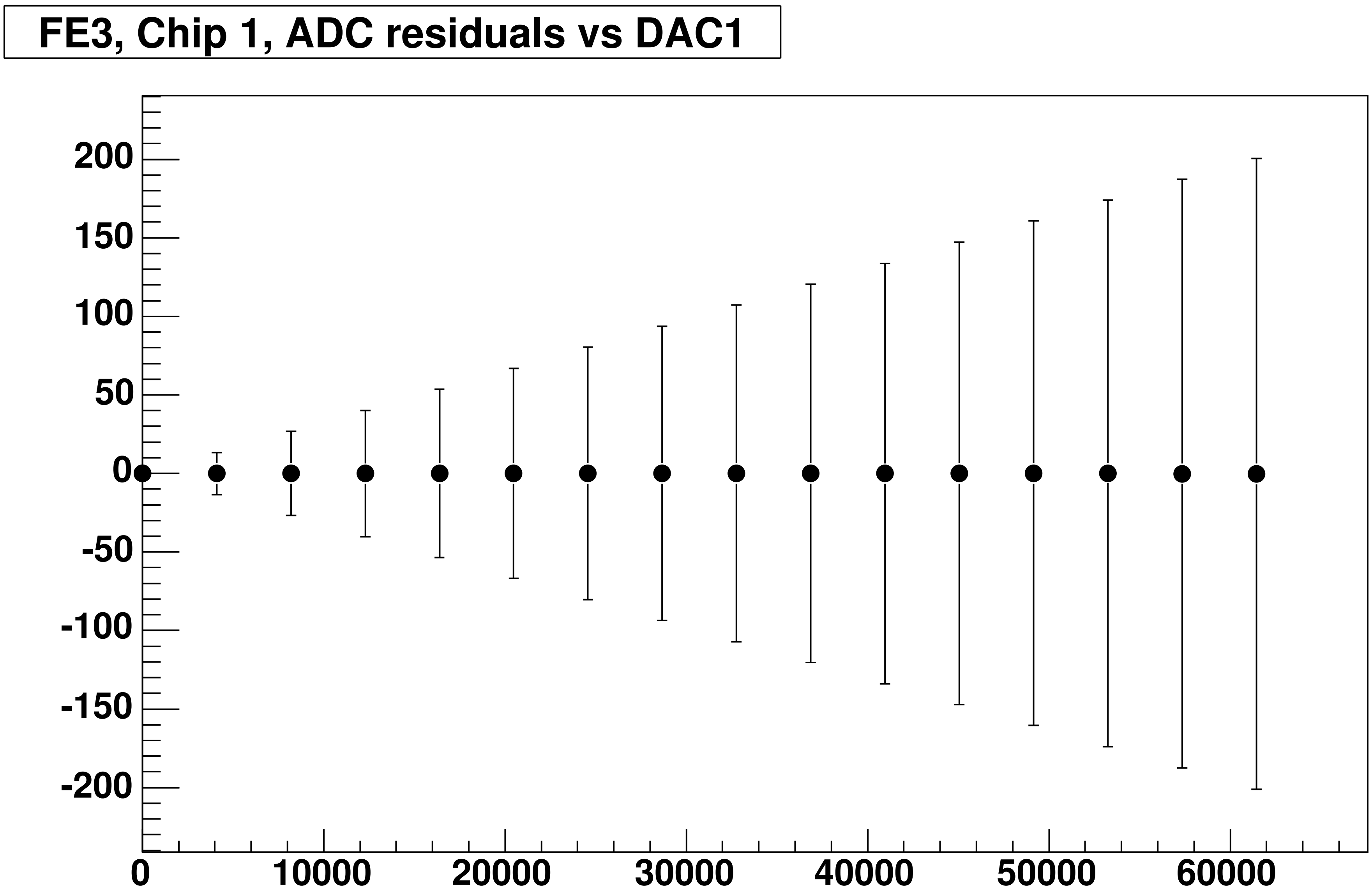

FE3, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

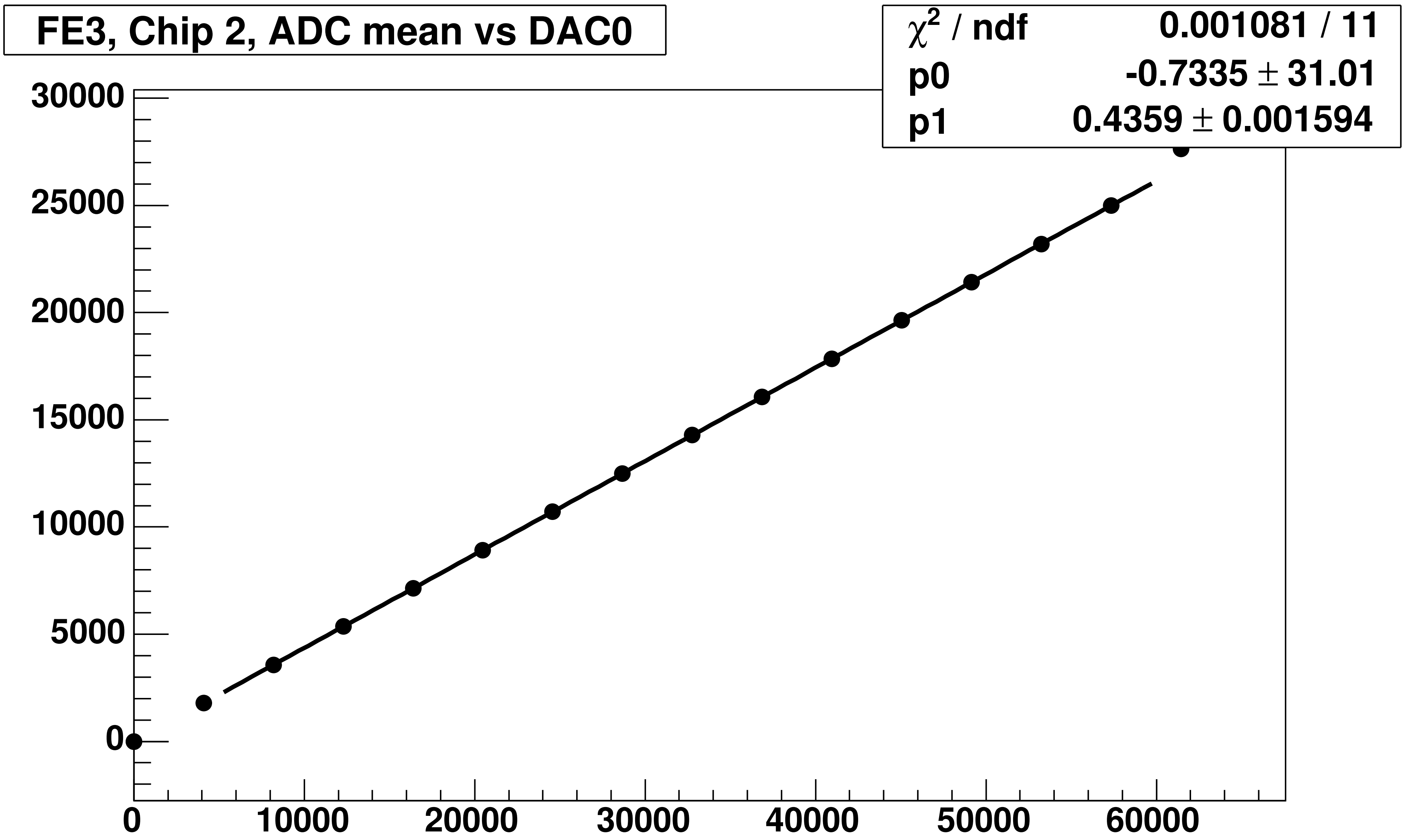

FE3, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



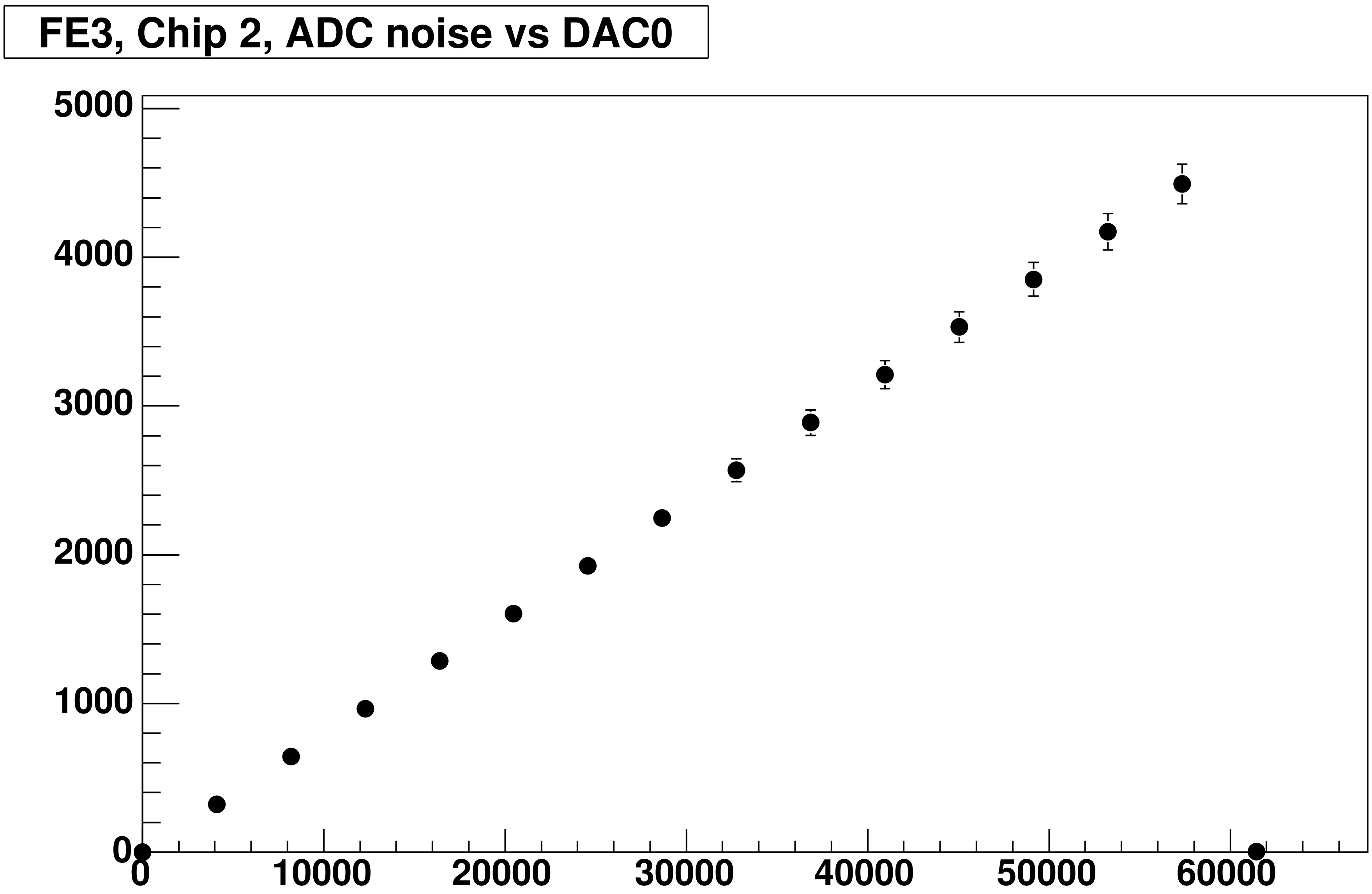
FE3, Chip 1, ADC mean vs DAC1
χ^2 / ndf 6.225e-06 / 11
p0 -0.2805 ± 31.04
p1 0.01407 ± 0.001595
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

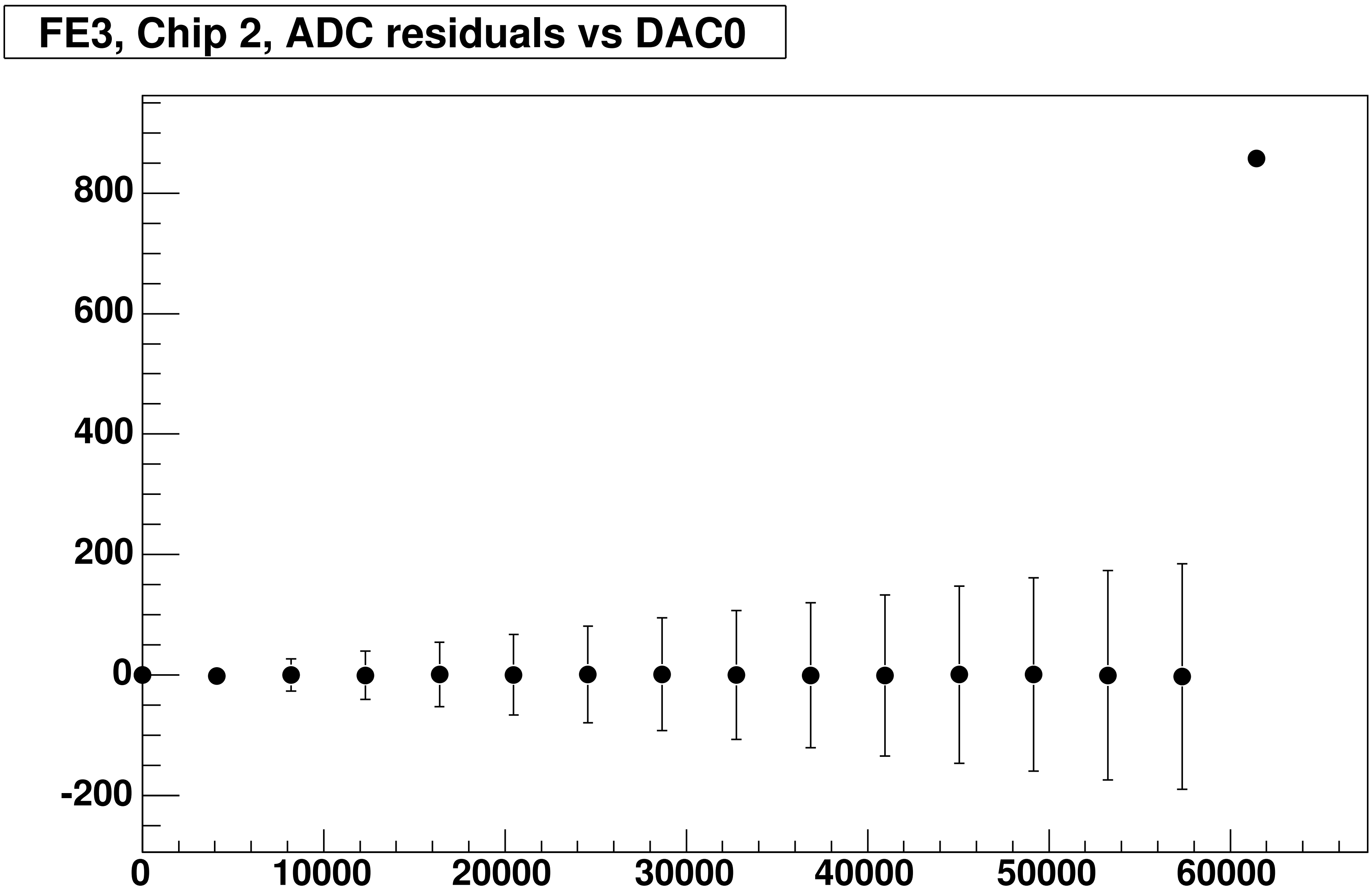

FE3, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

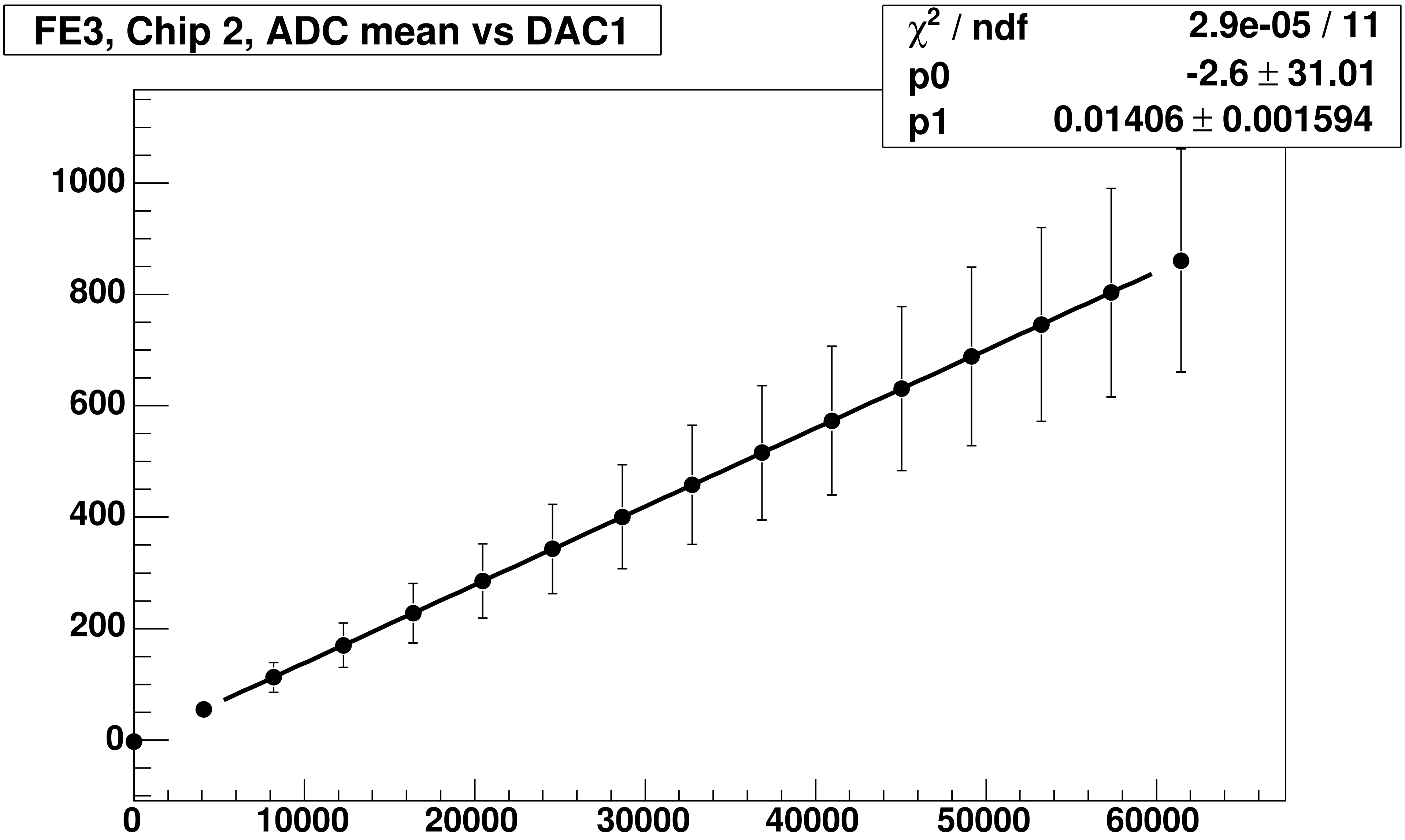


FE3, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001081 / 11
p0 -0.7335 ± 31.01
p1 0.4359 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

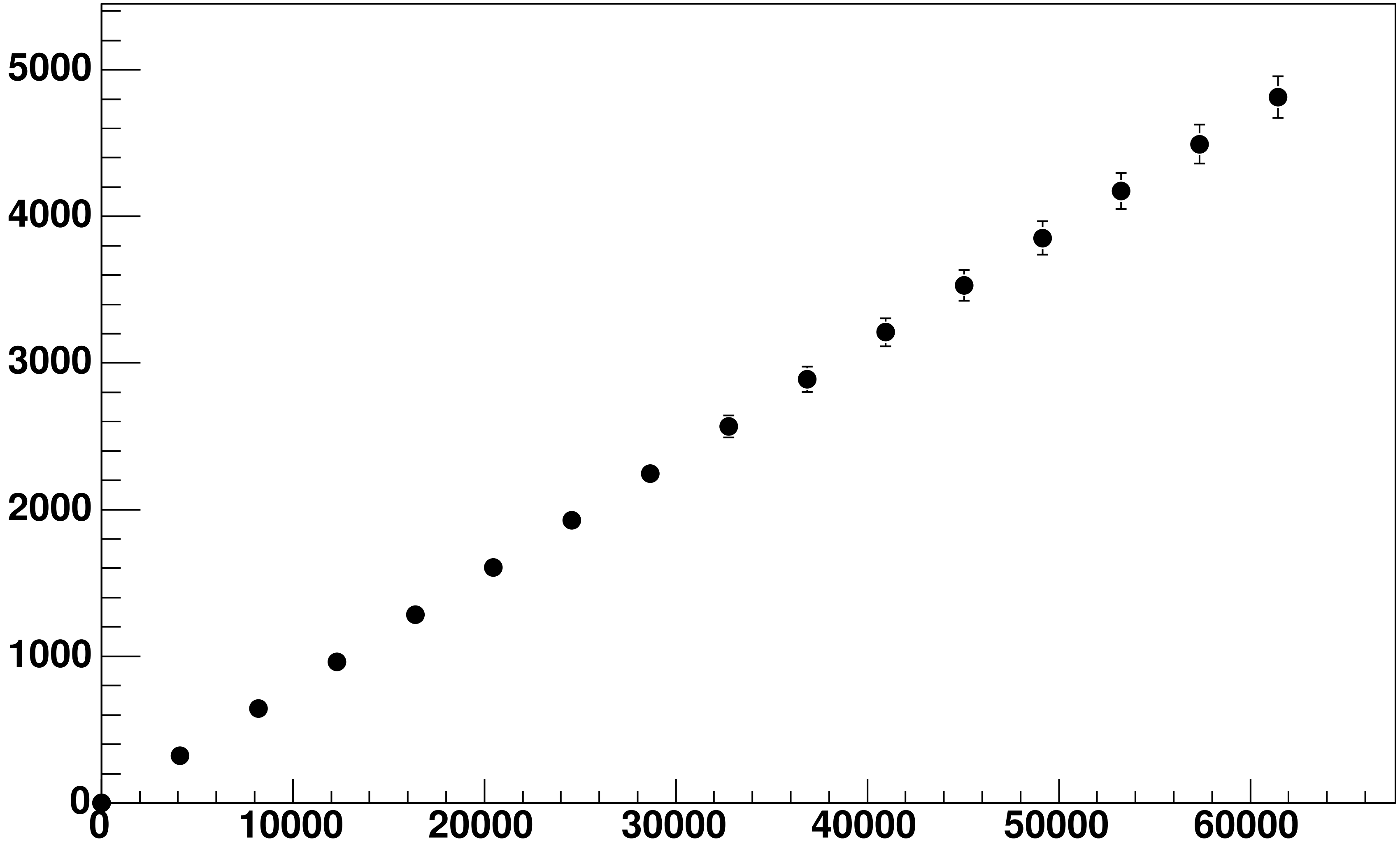


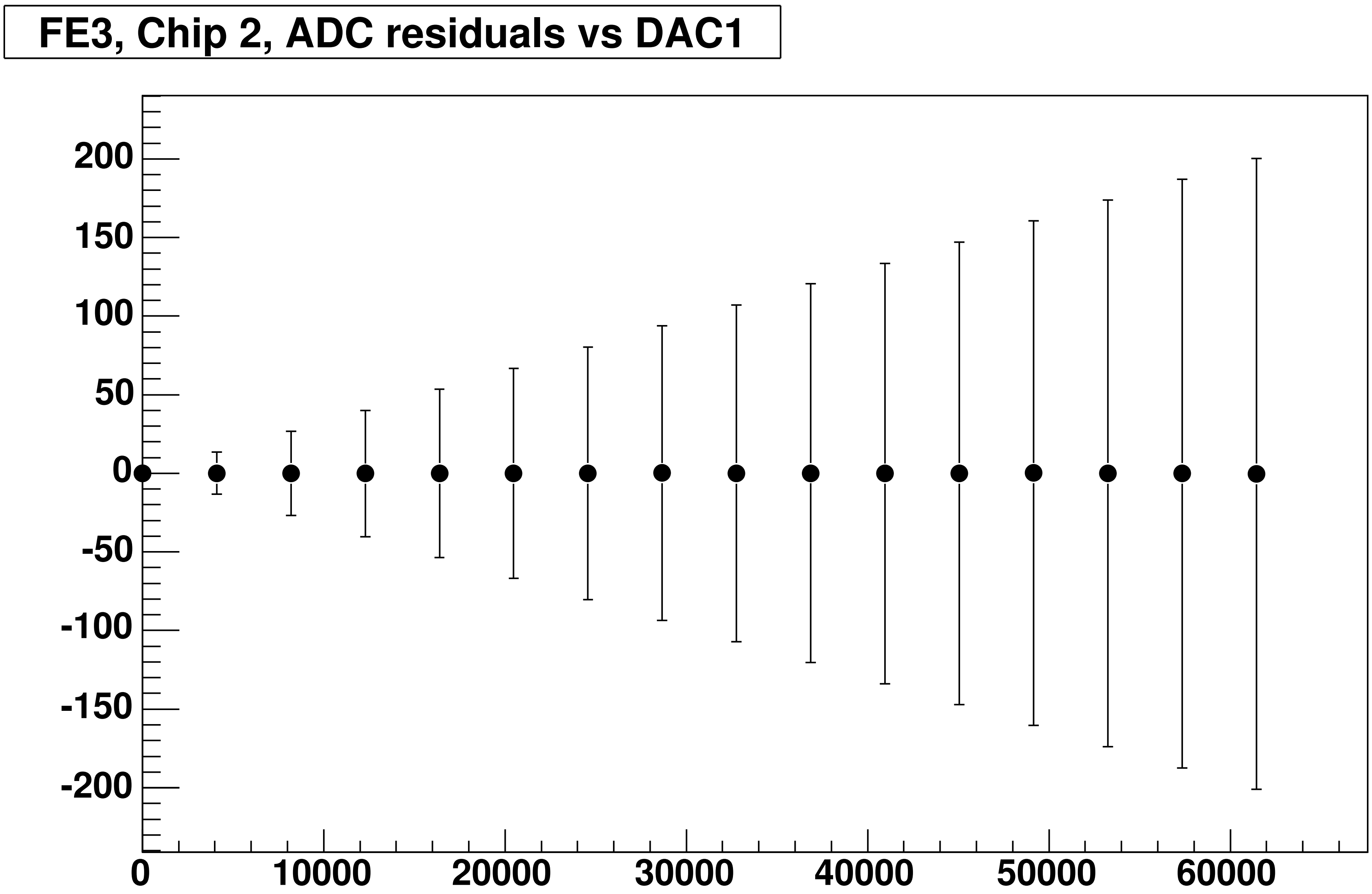
FE3, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

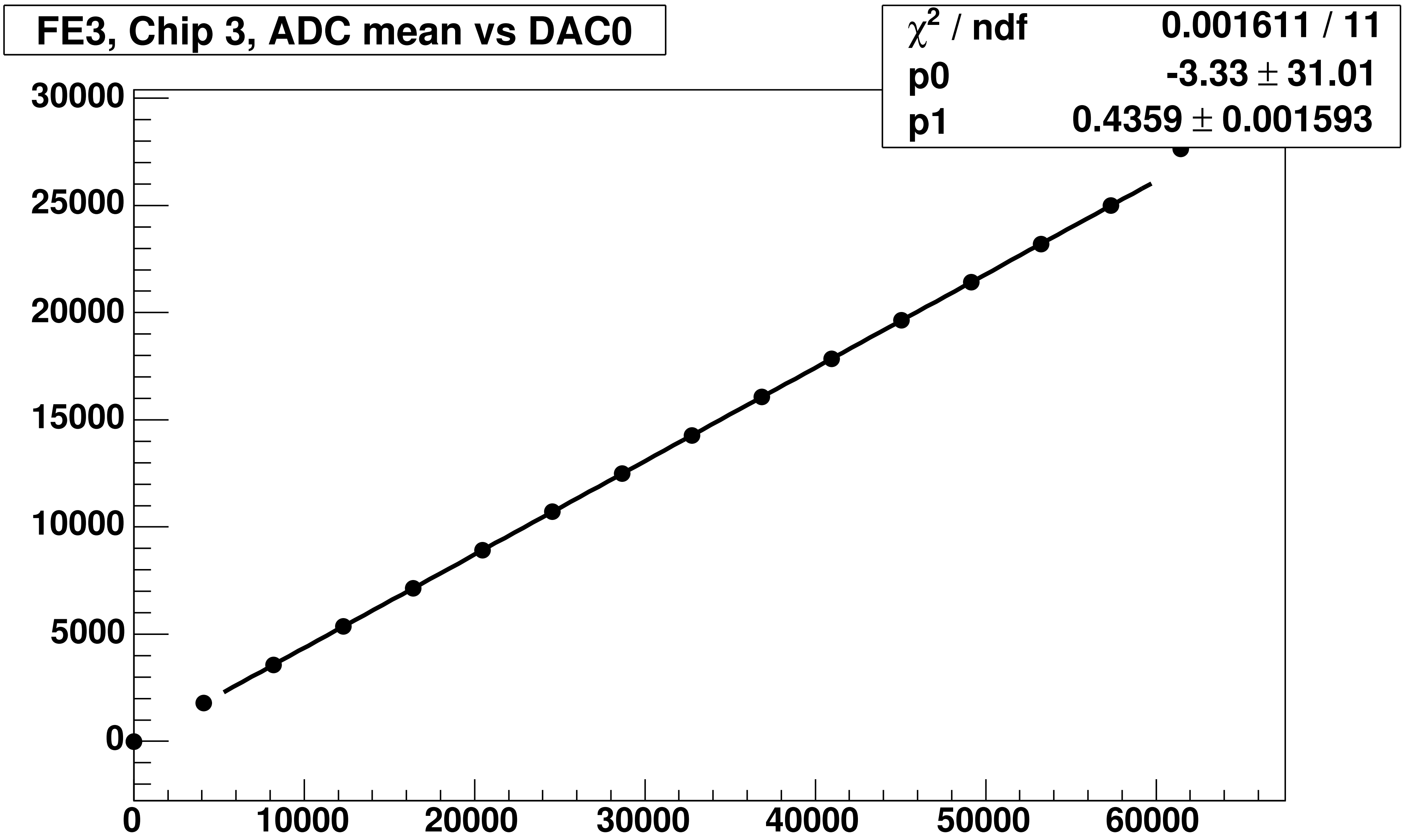

FE3, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

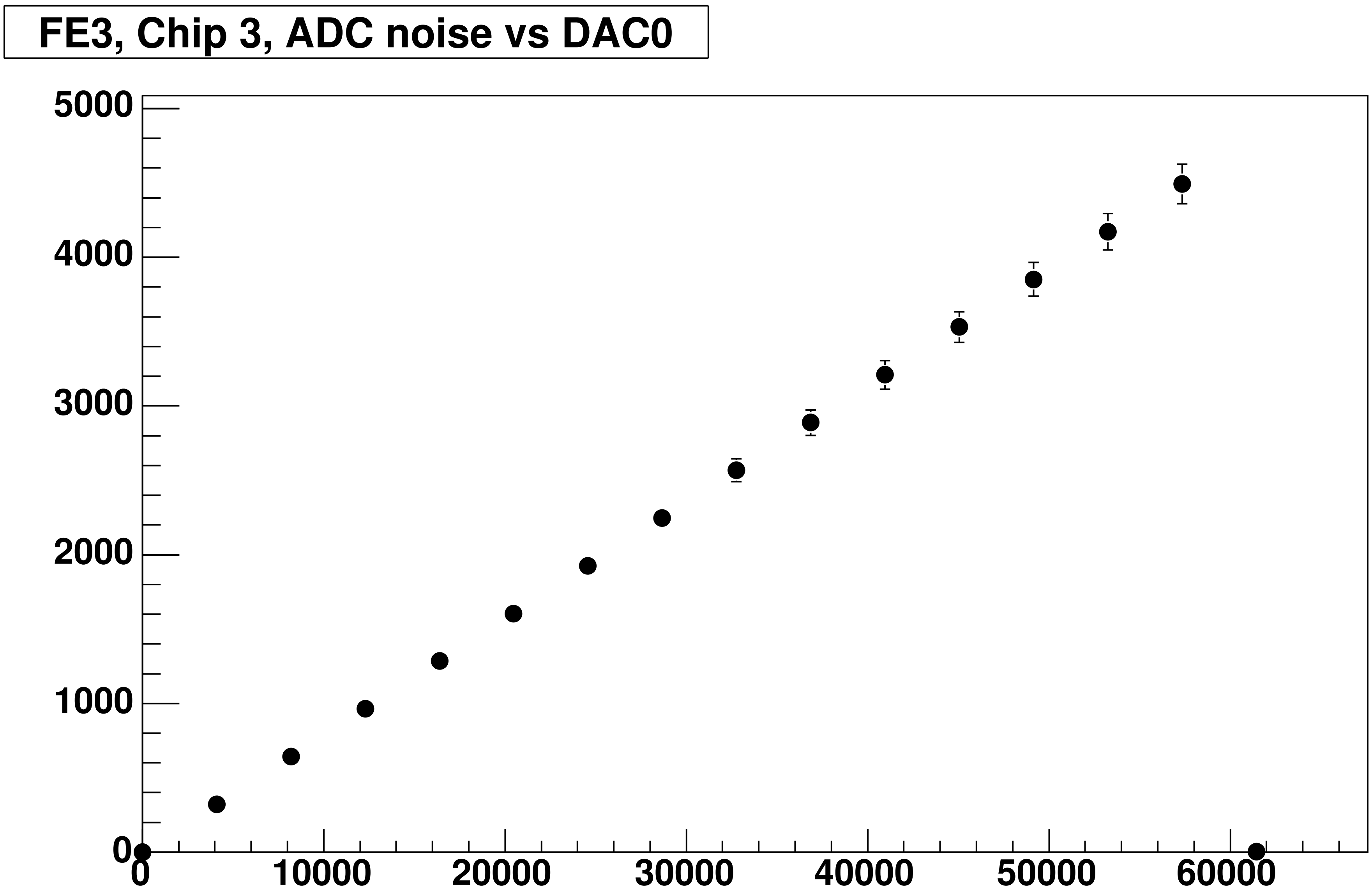

FE3, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.9e-05 / 11
p0 -2.6 ± 31.01
p1 0.01406 ± 0.001594
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

FE3, Chip 2, ADC noise vs DAC1

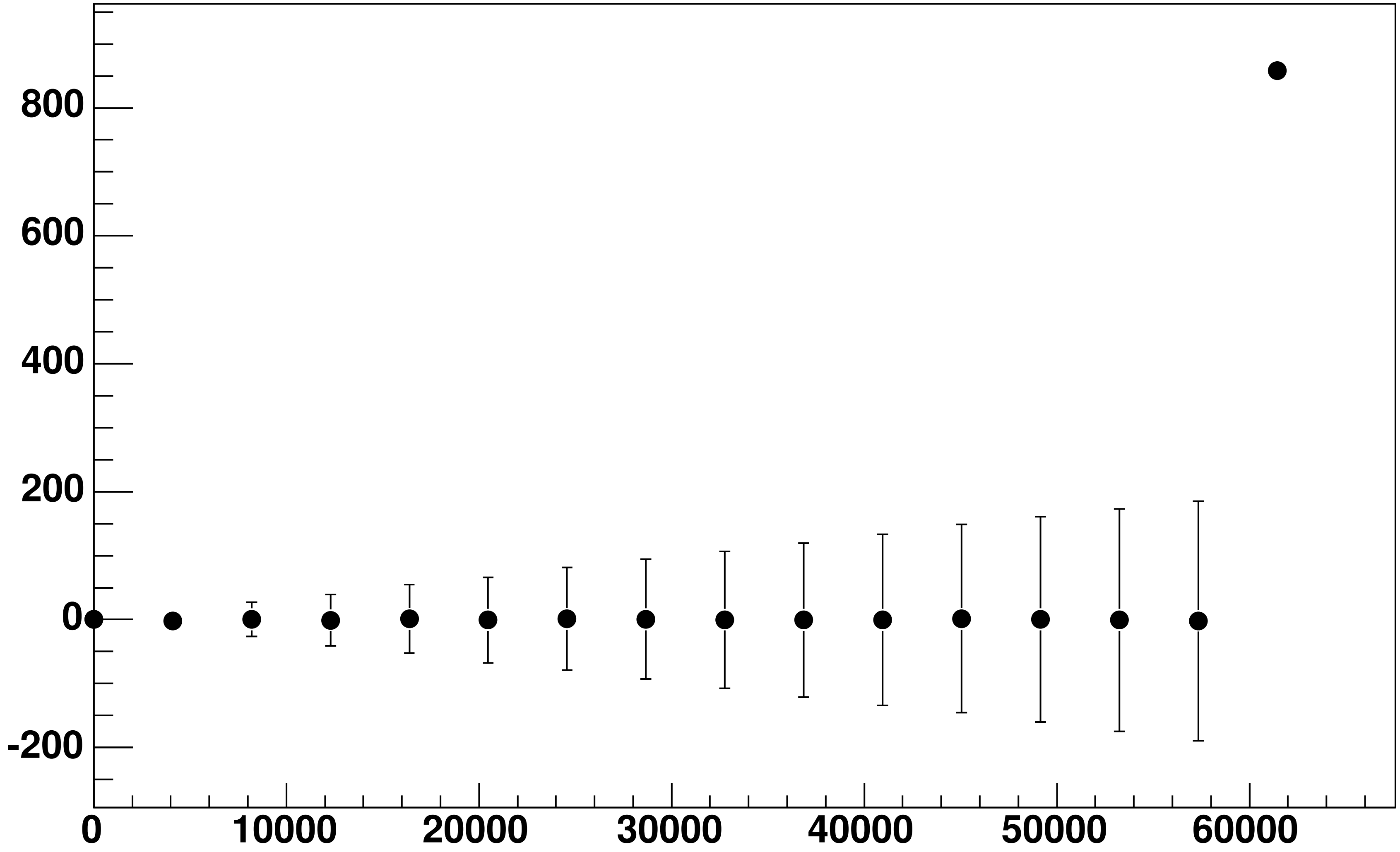


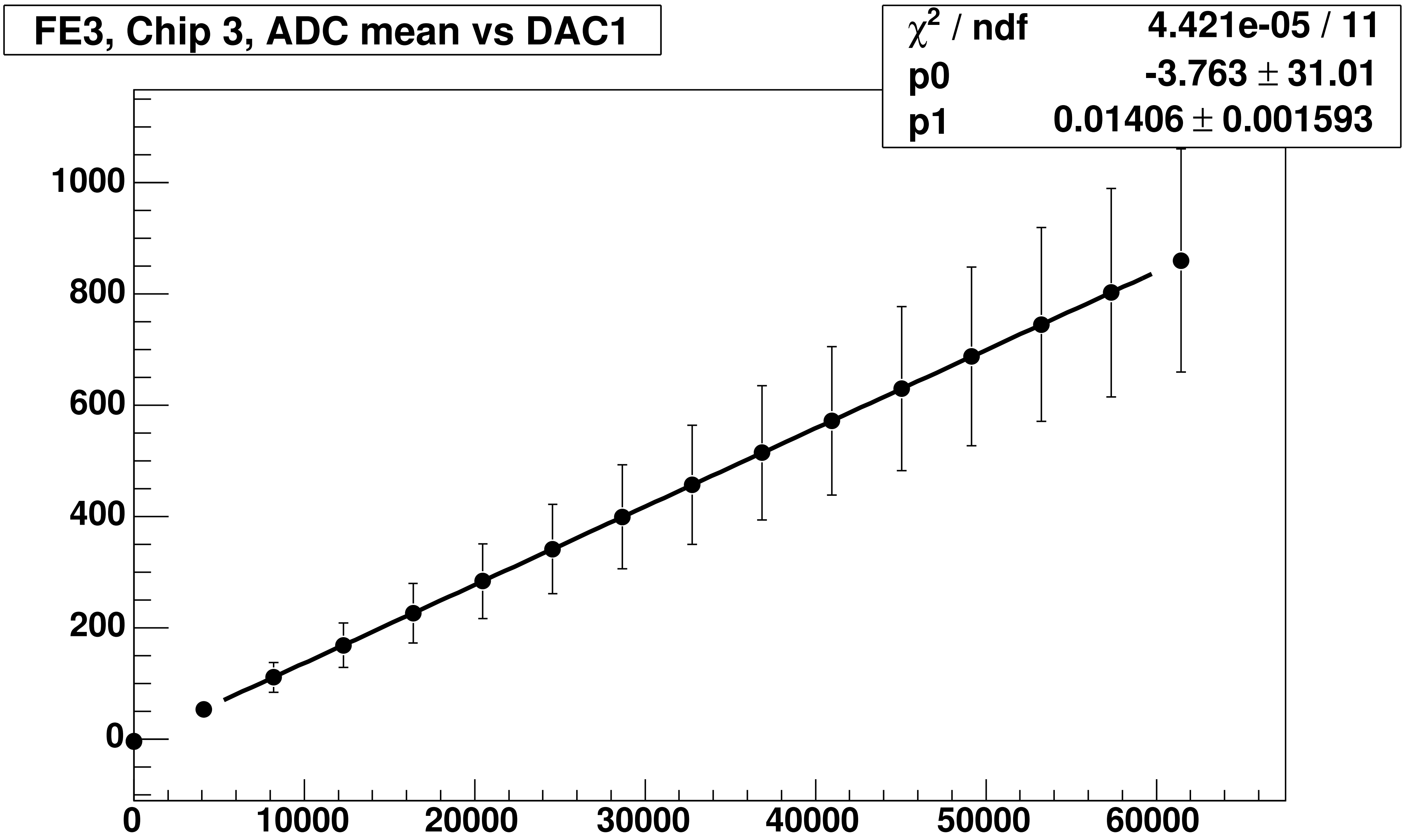

FE3, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

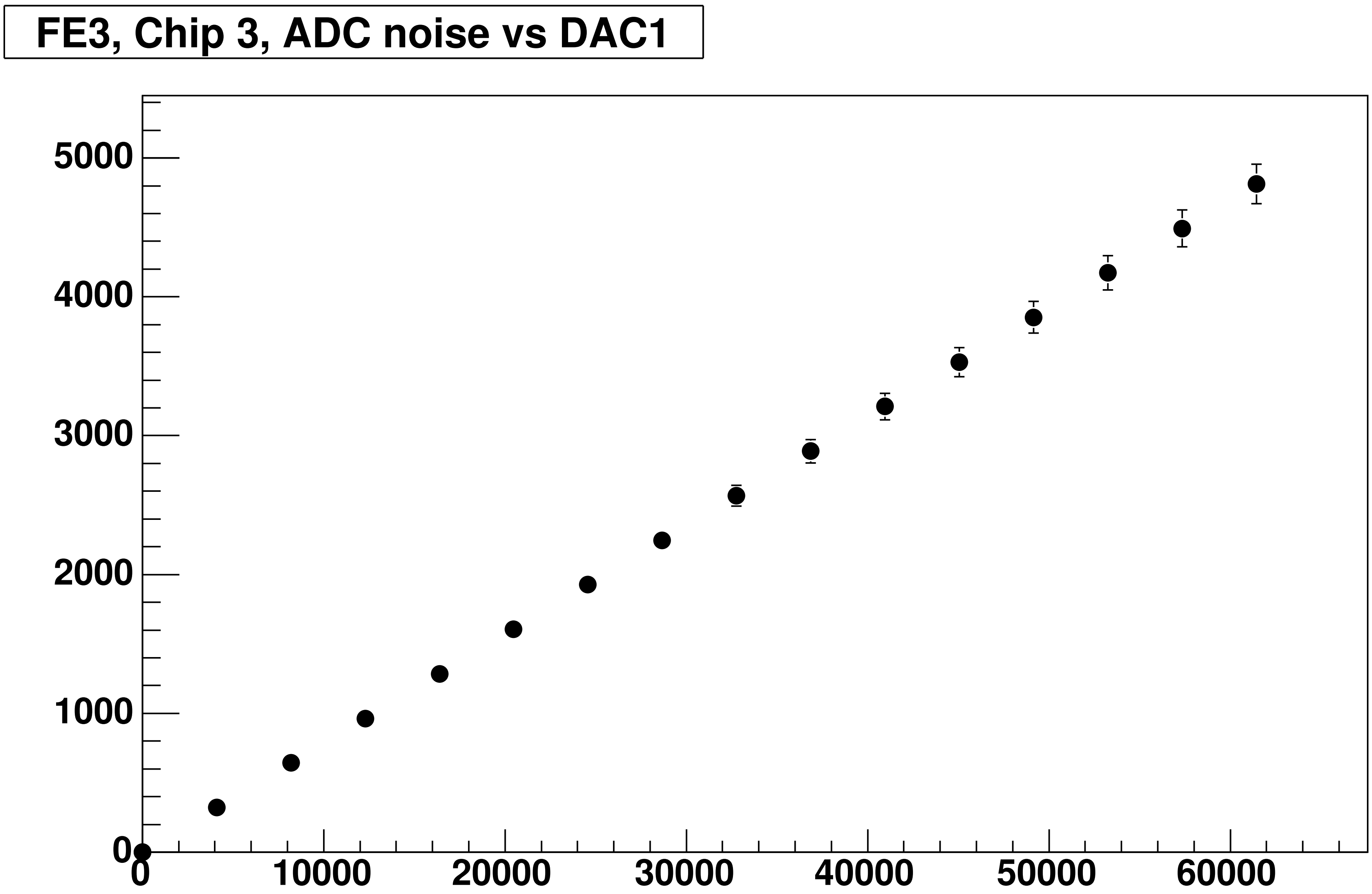

FE3, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.001611 / 11
p0 -3.33 ± 31.01
p1 0.4359 ± 0.001593
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

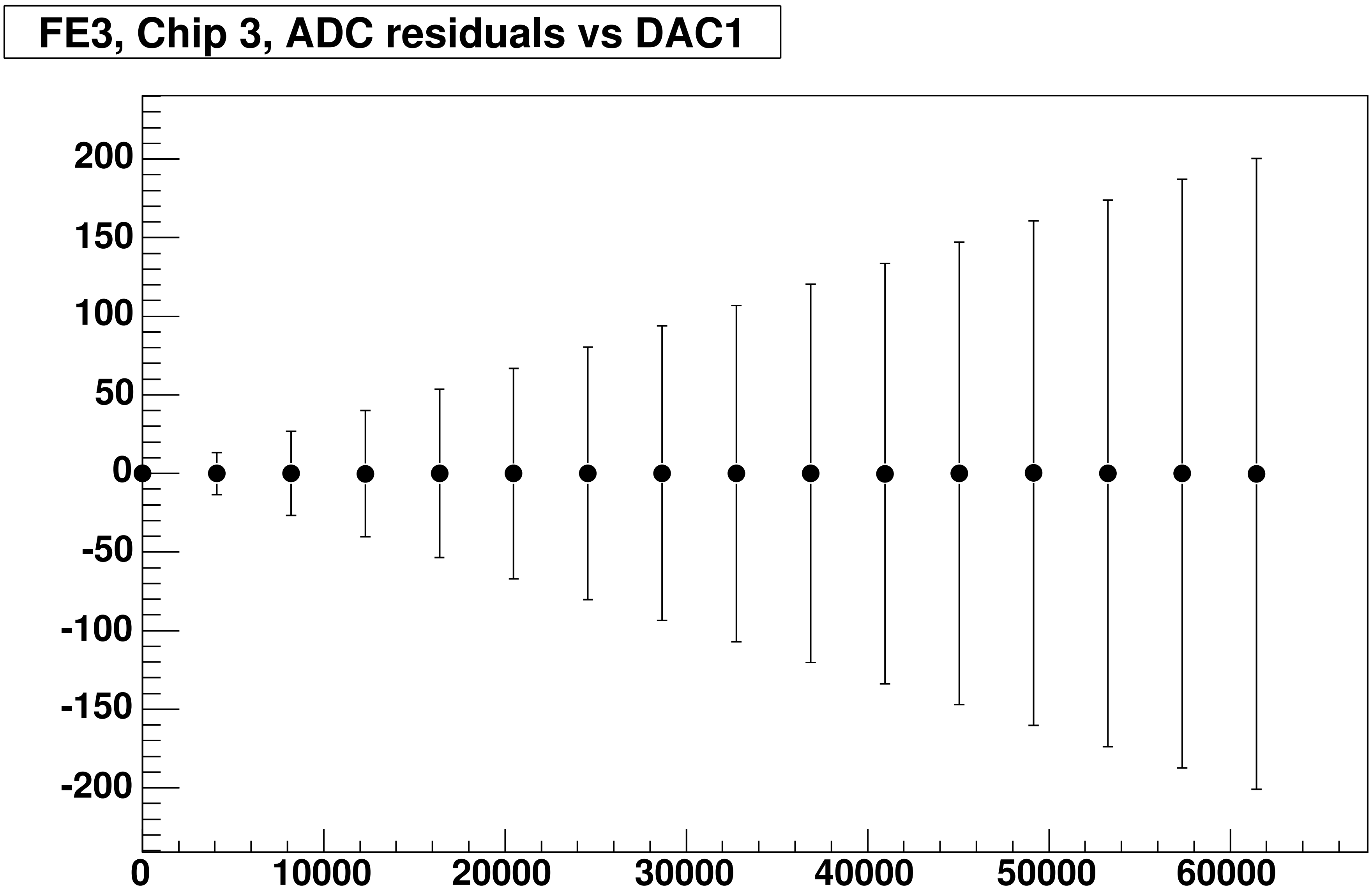

FE3, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

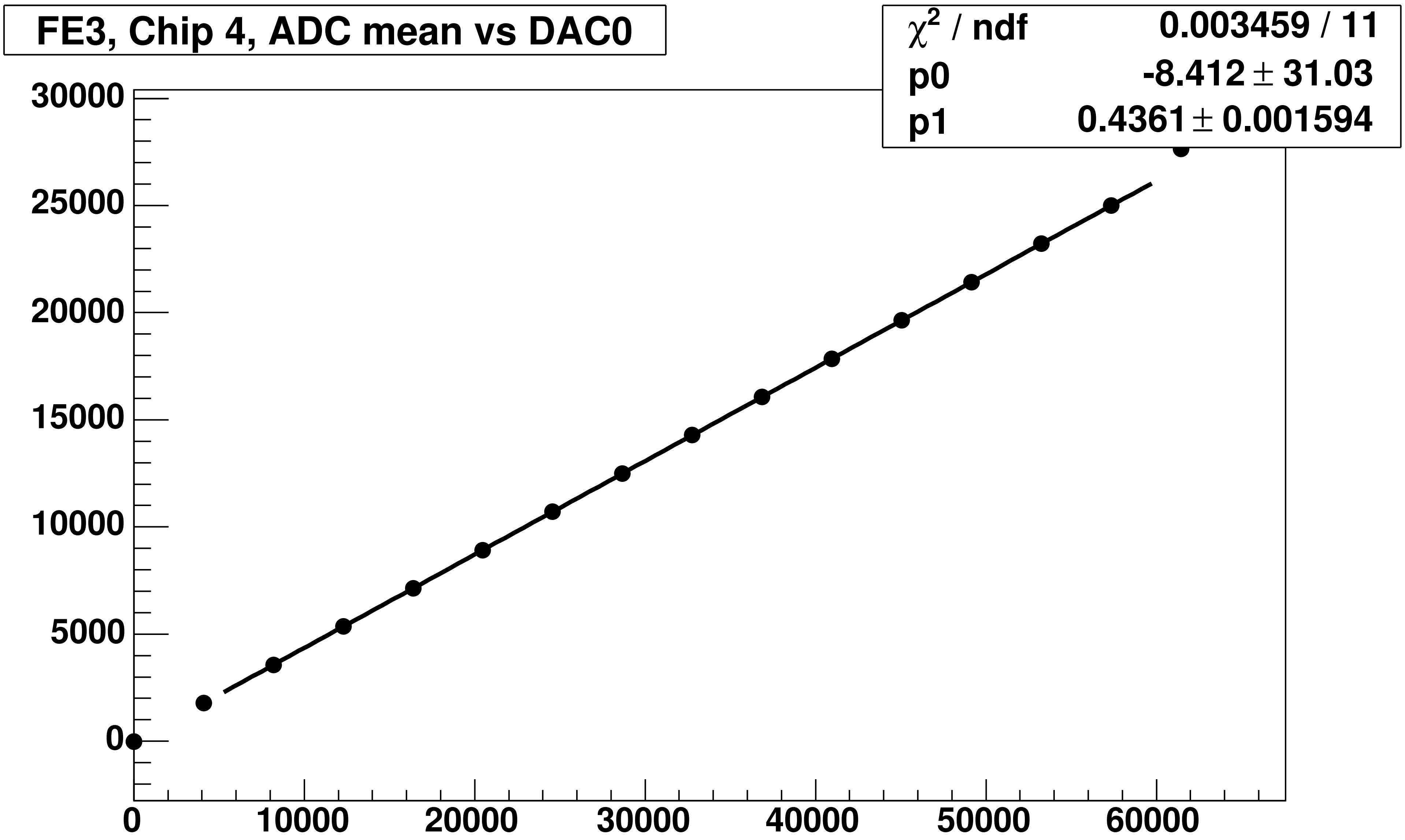
FE3, Chip 3, ADC residuals vs DAC0

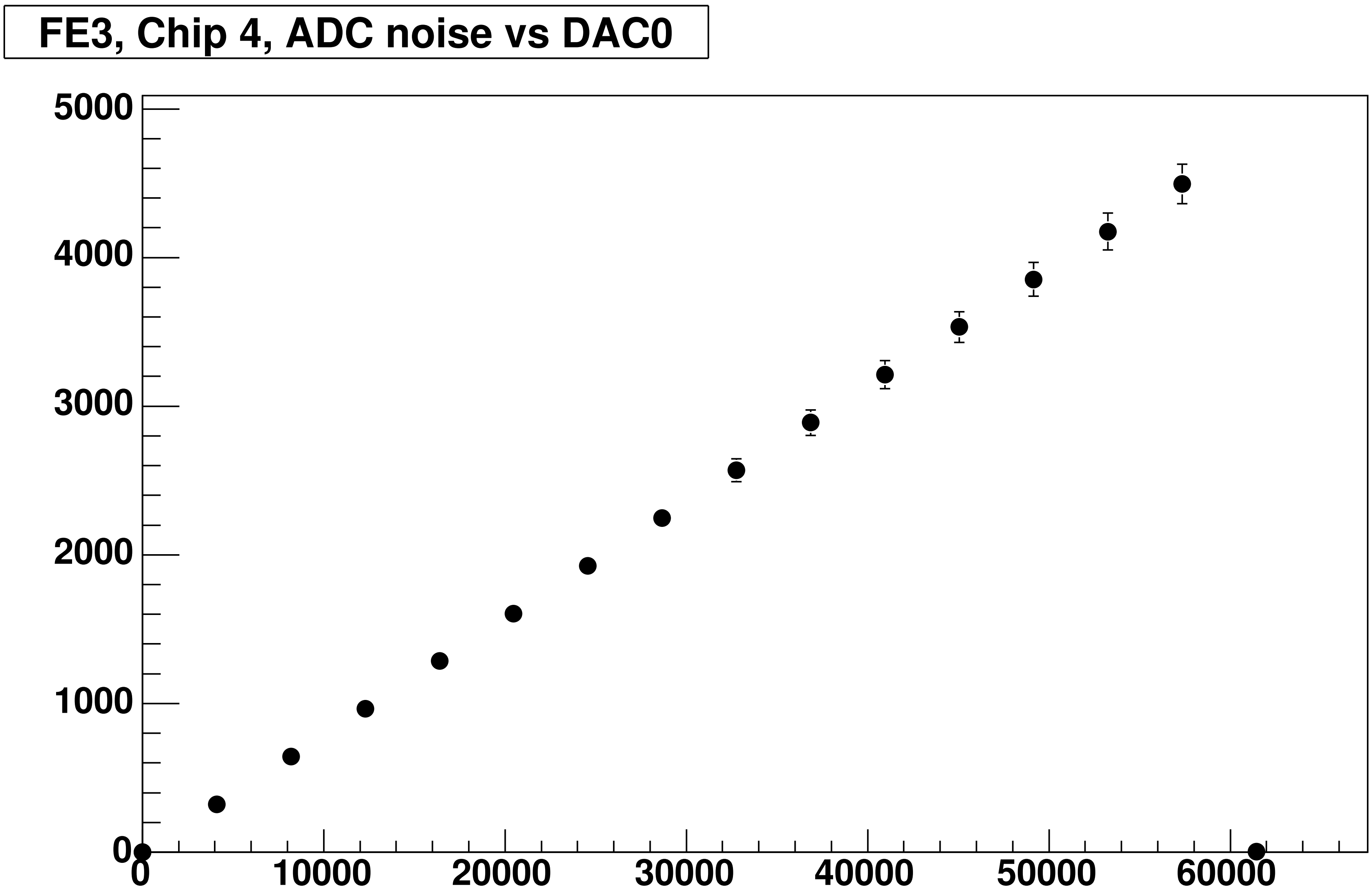


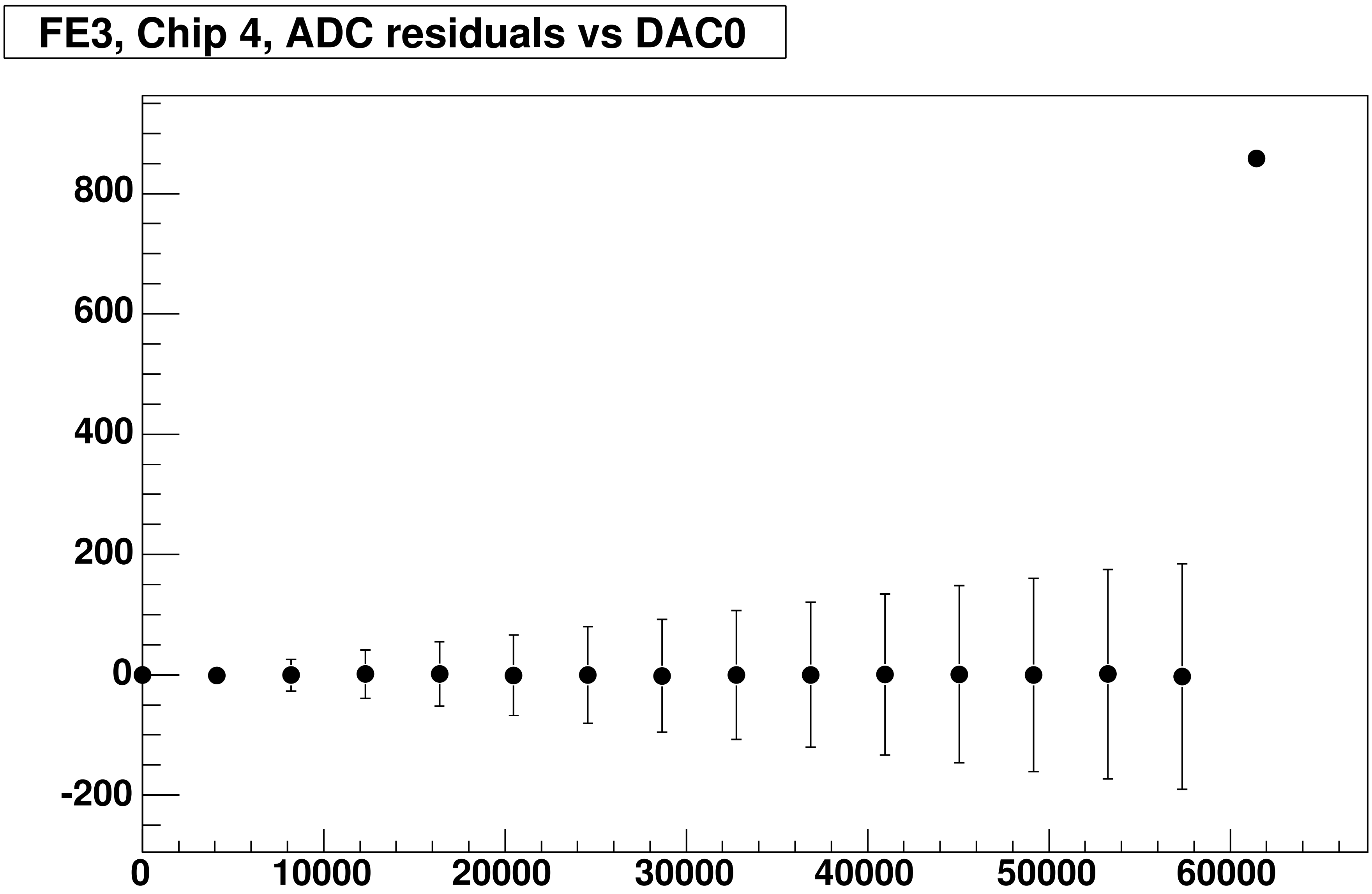

FE3, Chip 3, ADC mean vs DAC1
χ^2 / ndf 4.421e-05 / 11
p0 -3.763 ± 31.01
p1 0.01406 ± 0.001593
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

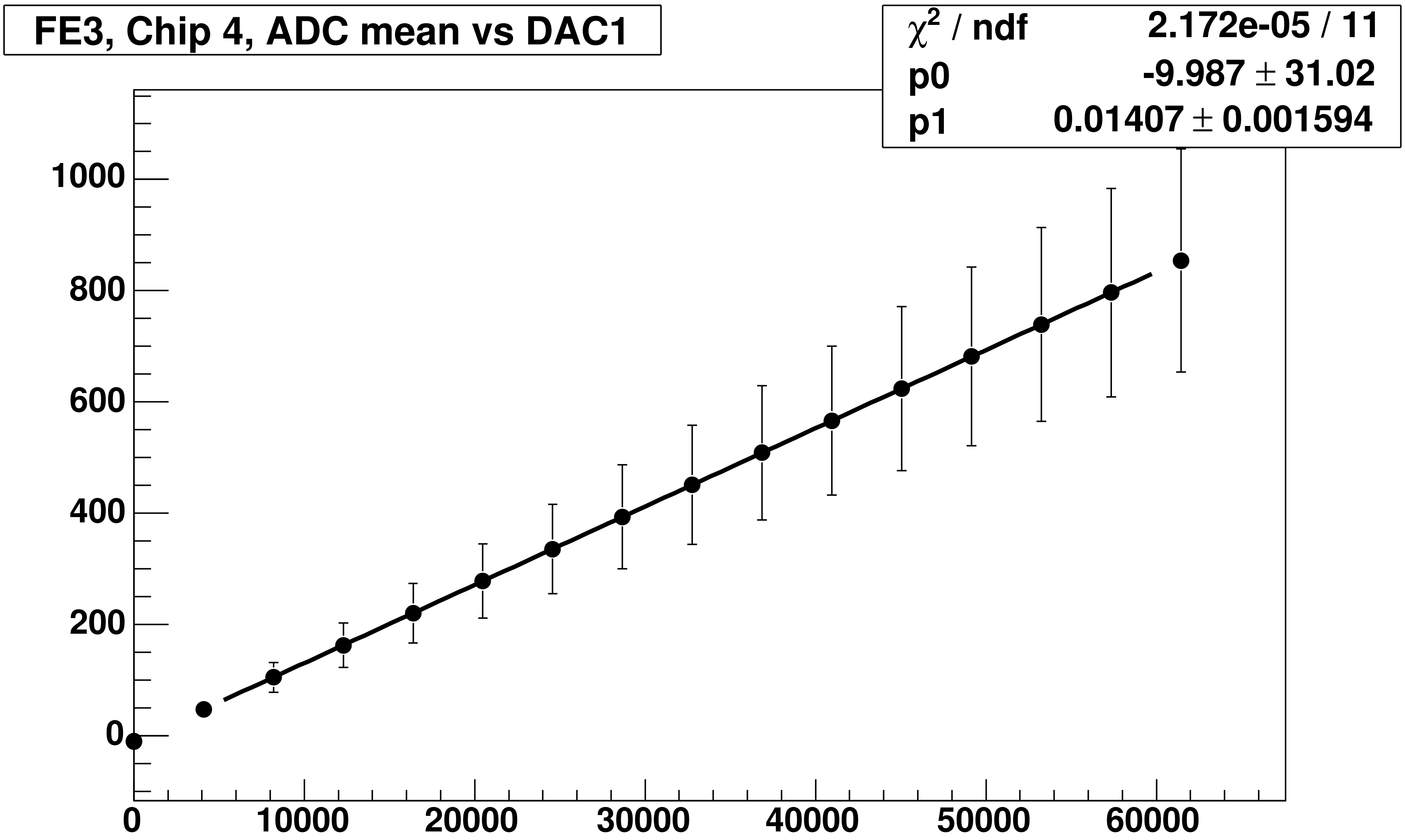

FE3, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

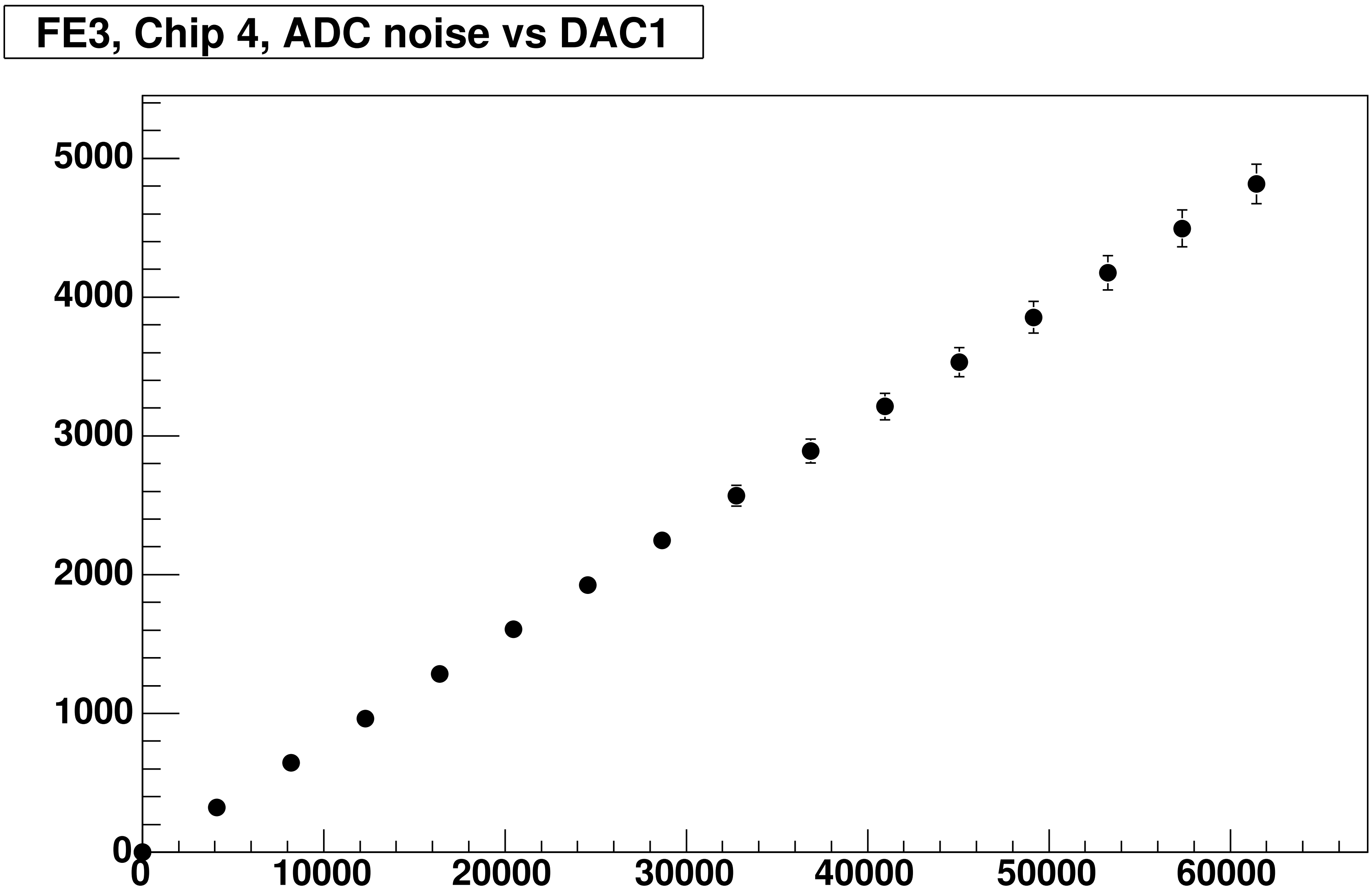

FE3, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

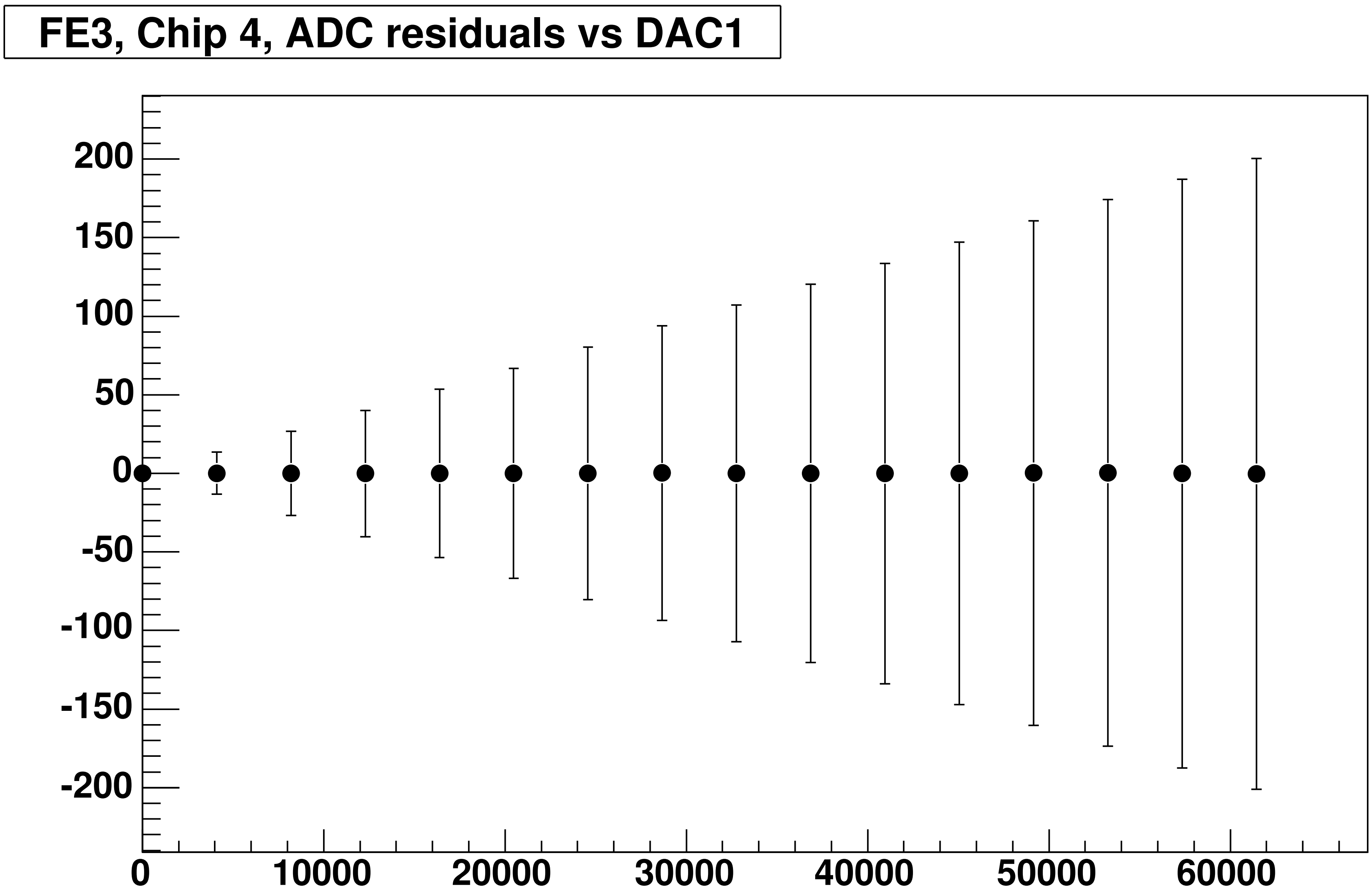

FE3, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.003459 / 11
p0 -8.412 ± 31.03
p1 0.4361 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

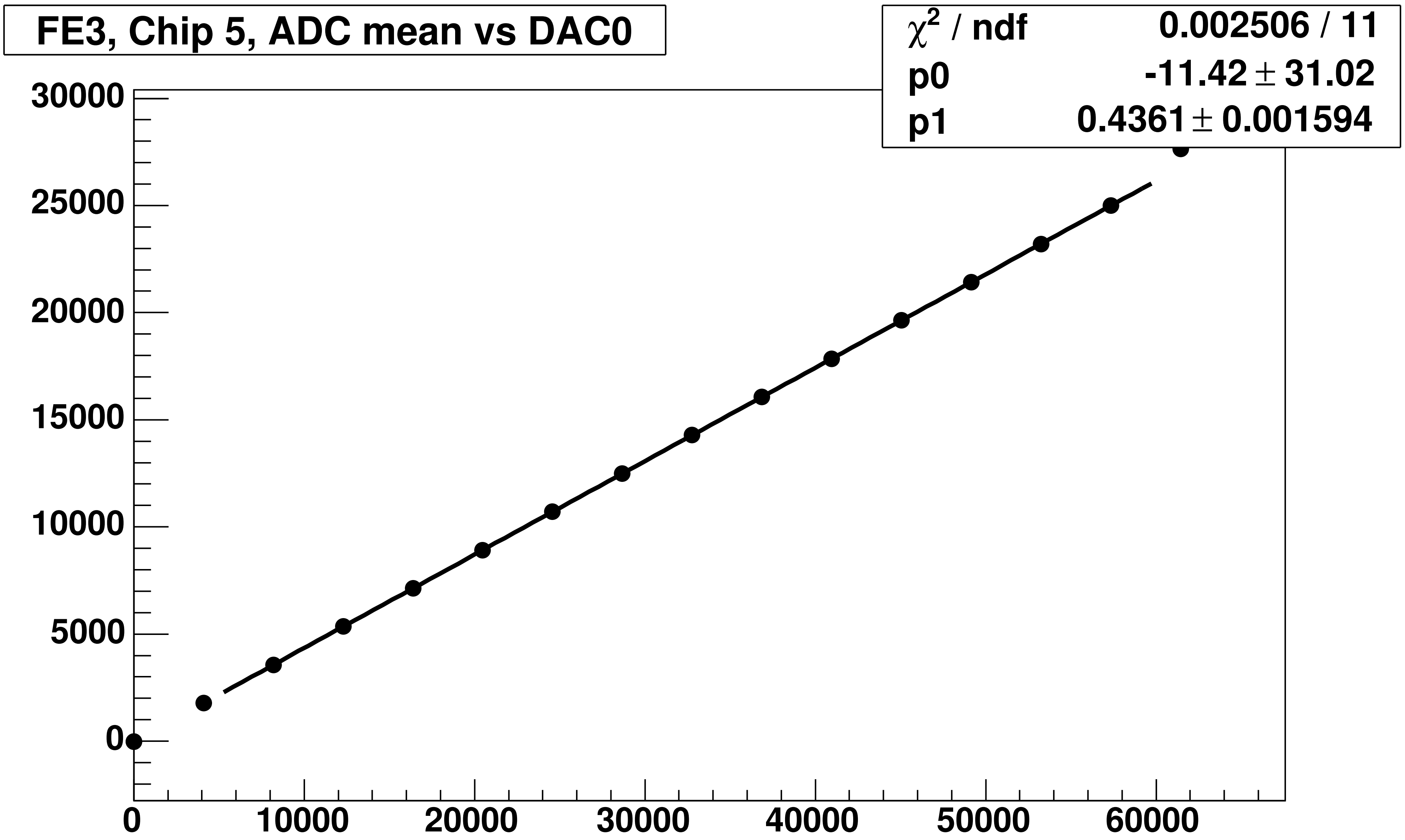

FE3, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE3, Chip 4, ADC mean vs DAC1
χ^2 / ndf 2.172e-05 / 11
p0 -9.987 ± 31.02
p1 0.01407 ± 0.001594
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

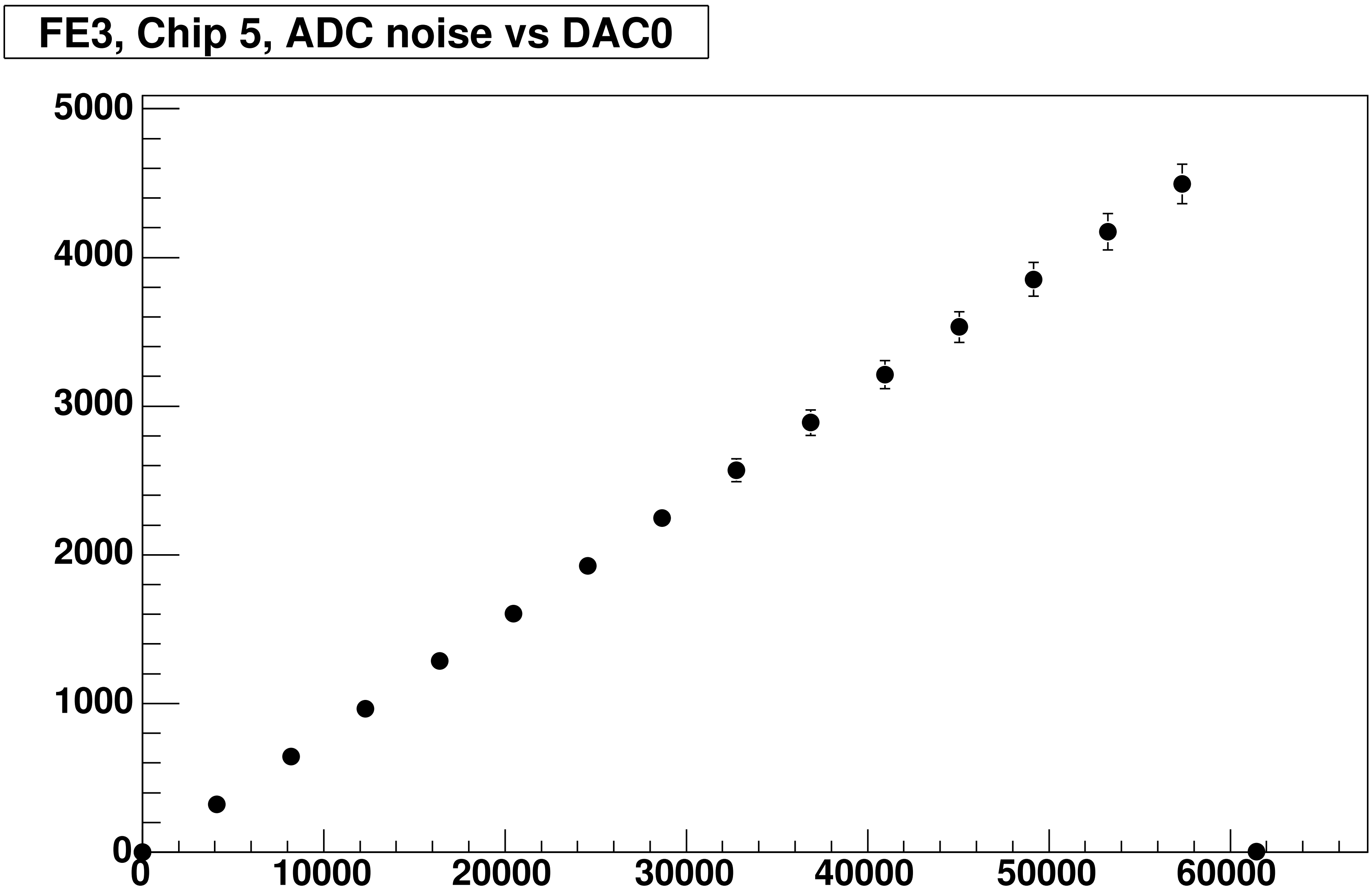

FE3, Chip 4, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

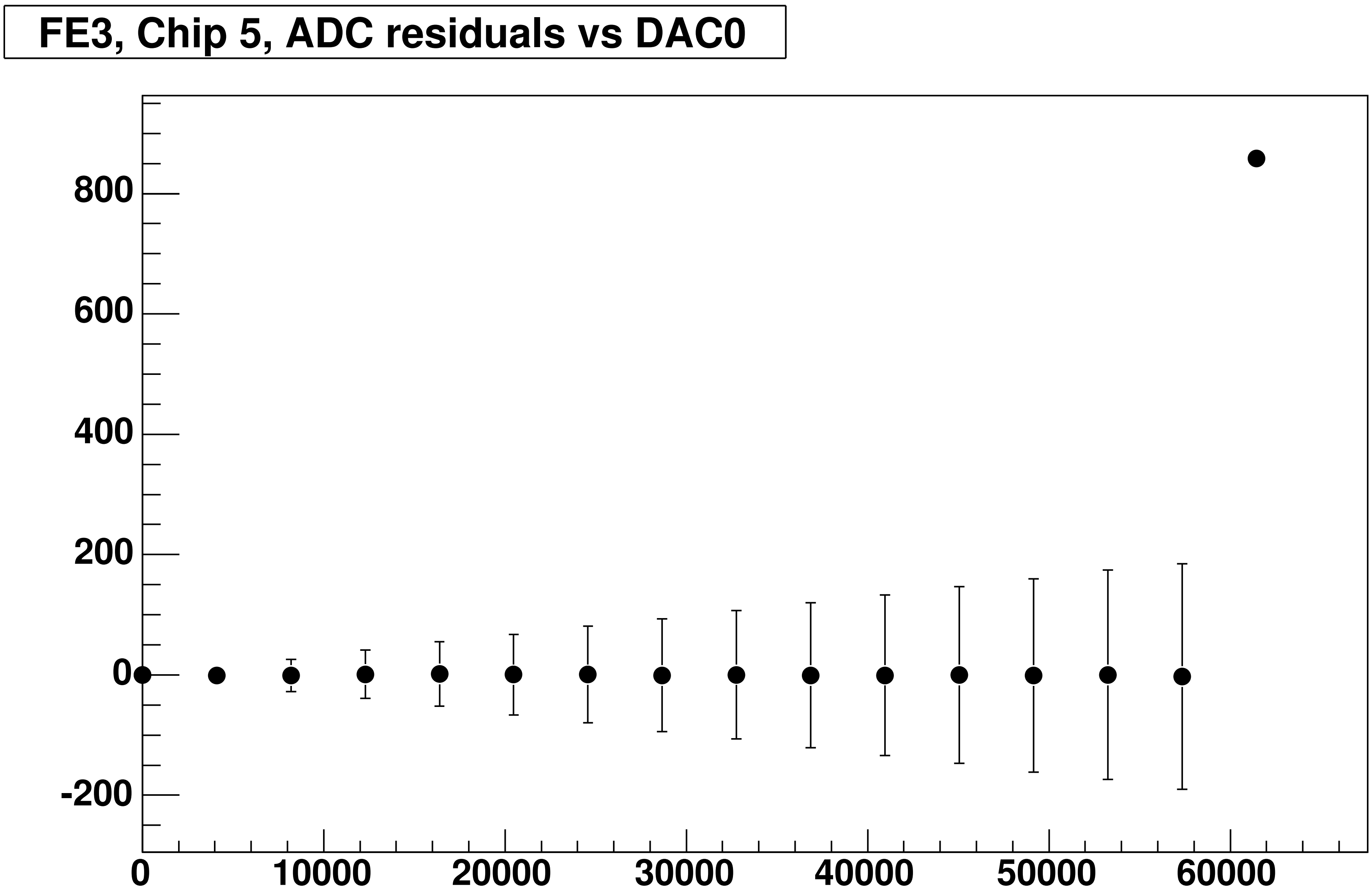


FE3, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

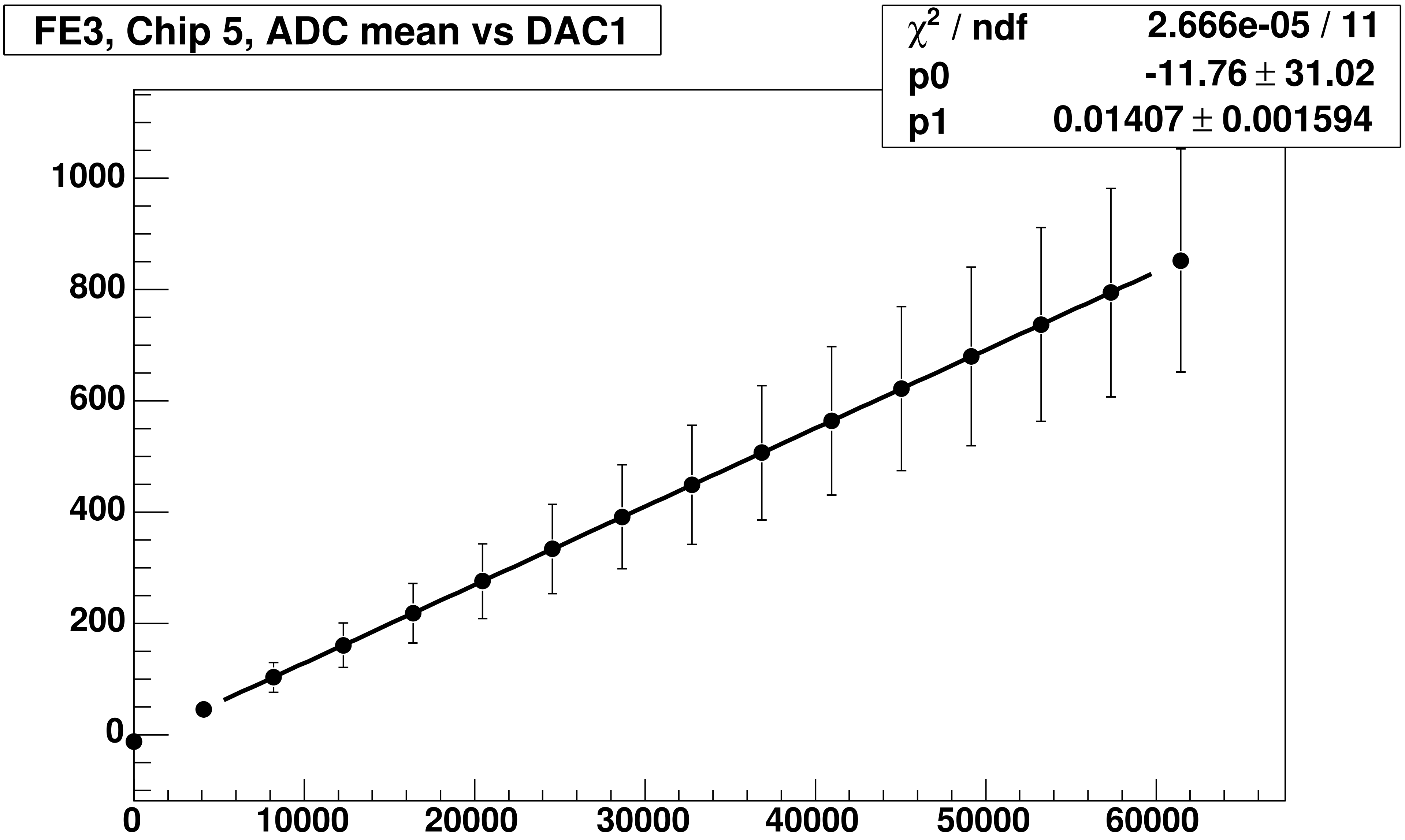


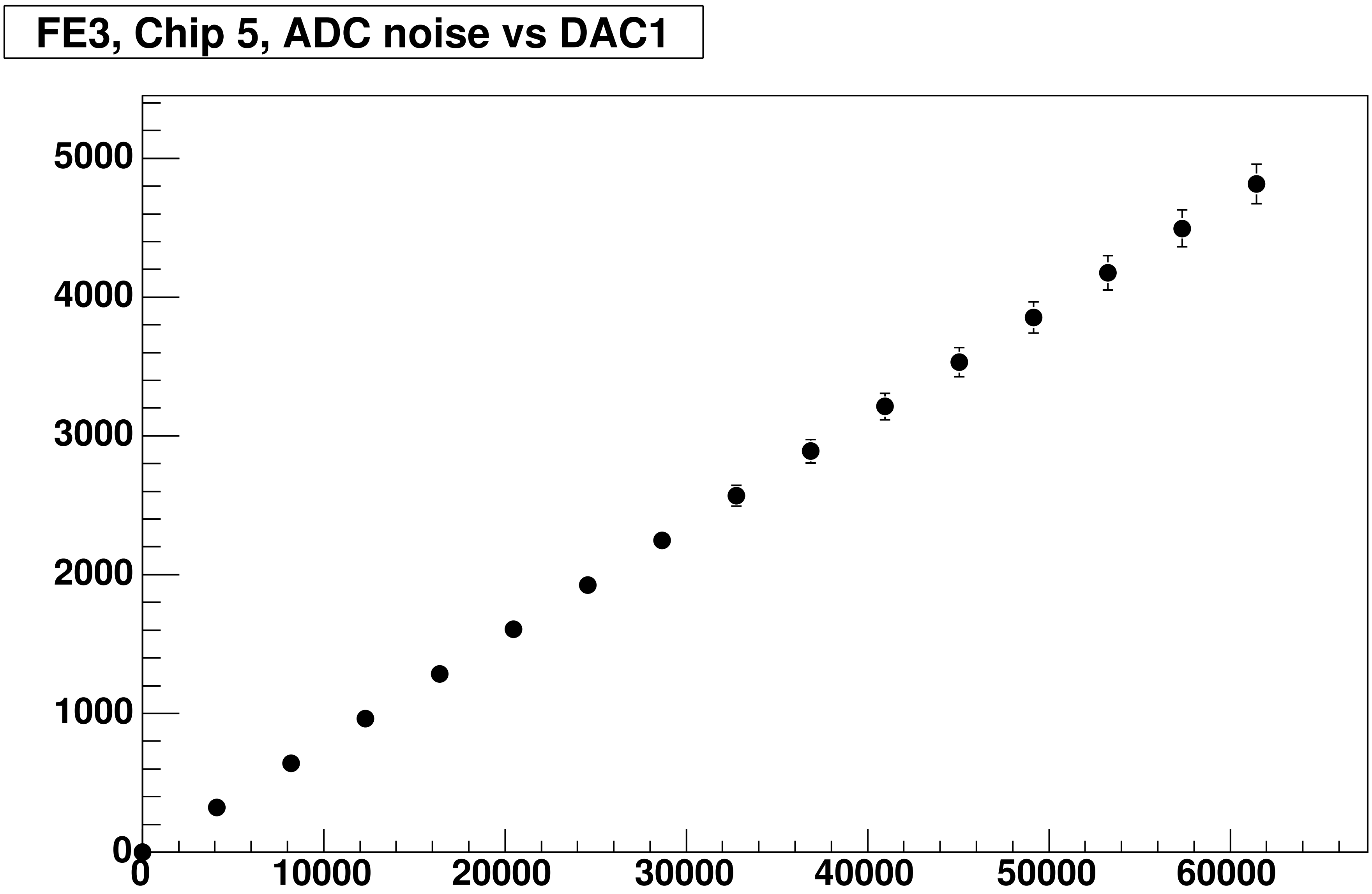
FE3, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.002506 / 11
p0 -11.42 ± 31.02
p1 0.4361 ± 0.001594
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

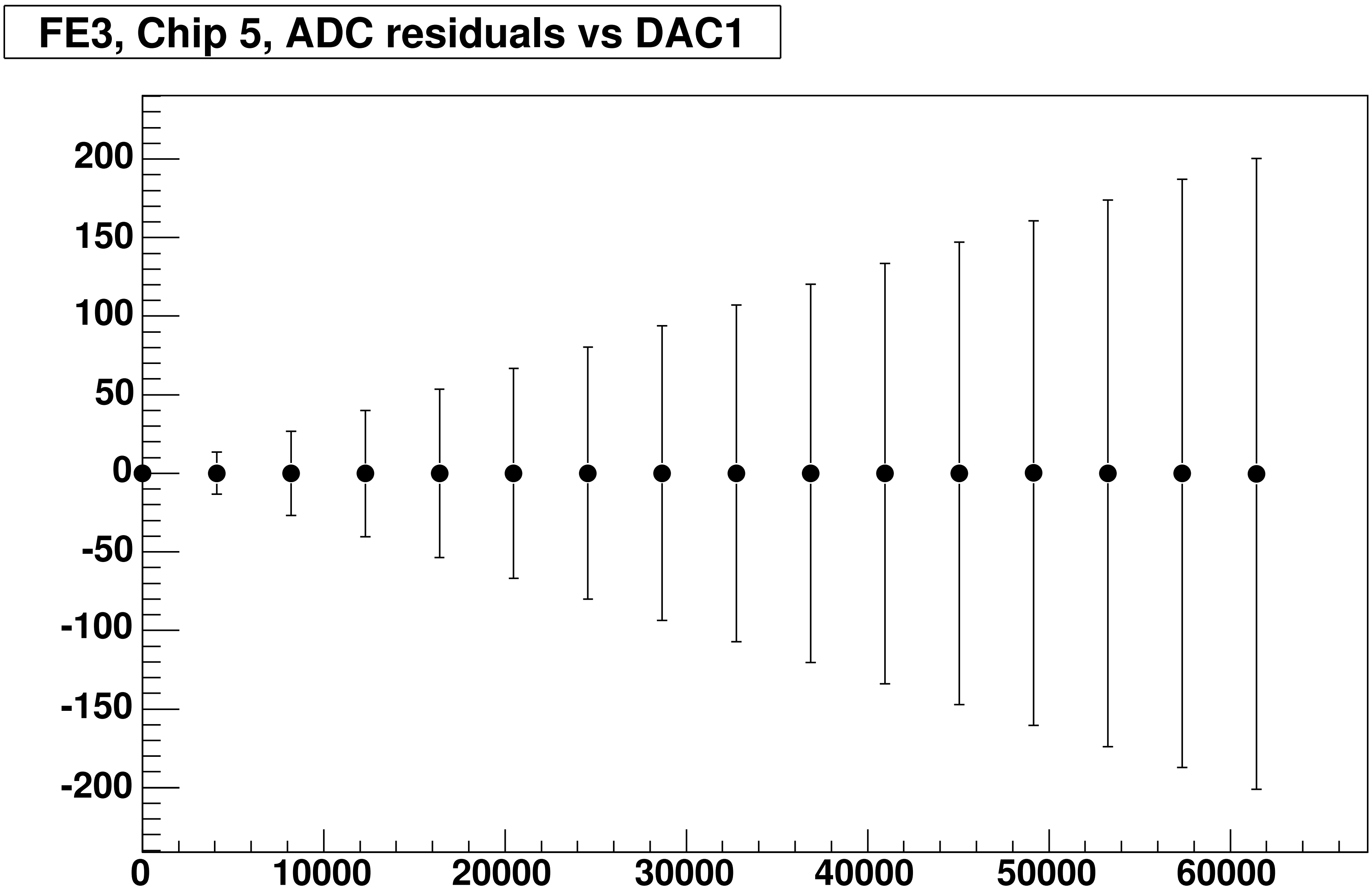

FE3, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

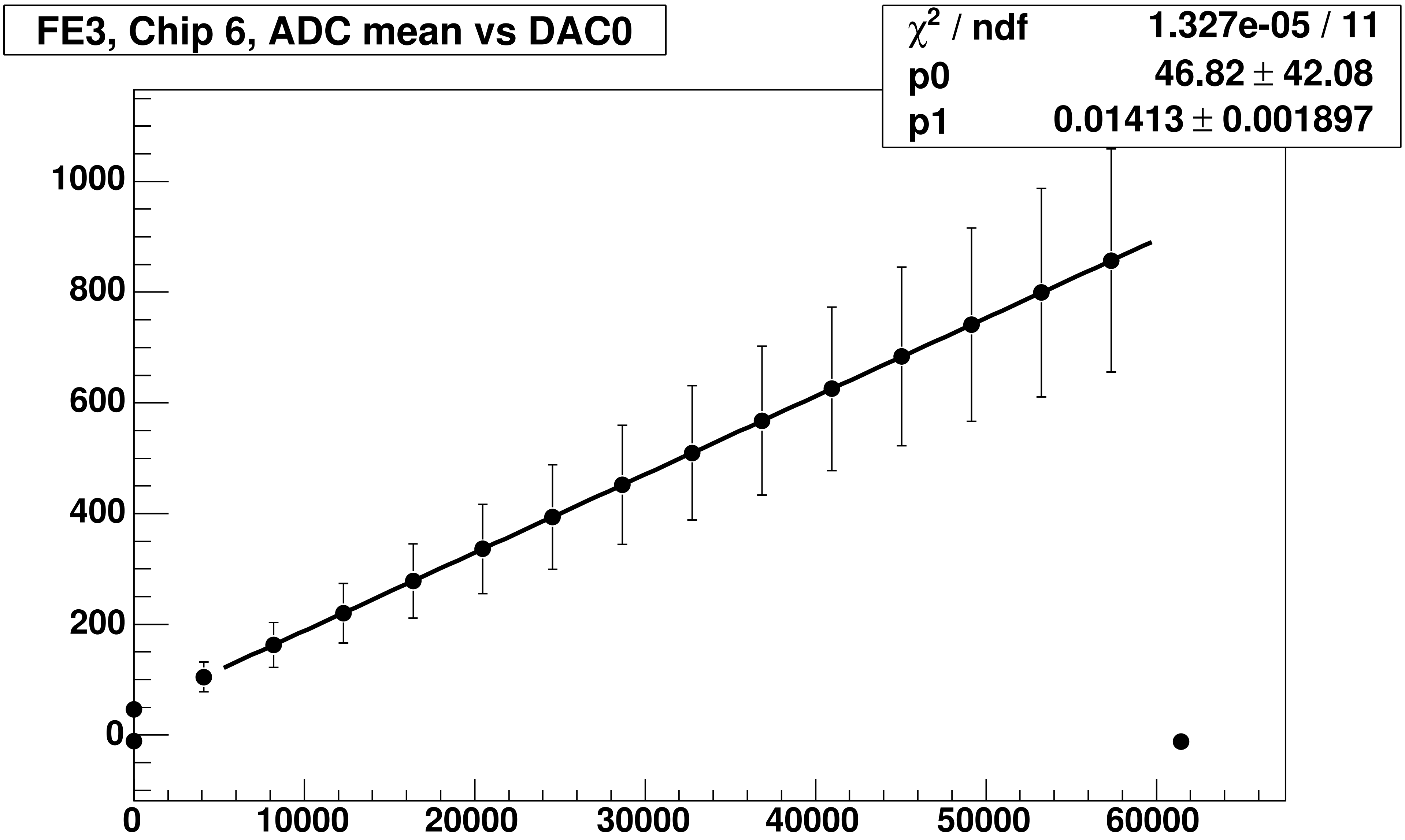


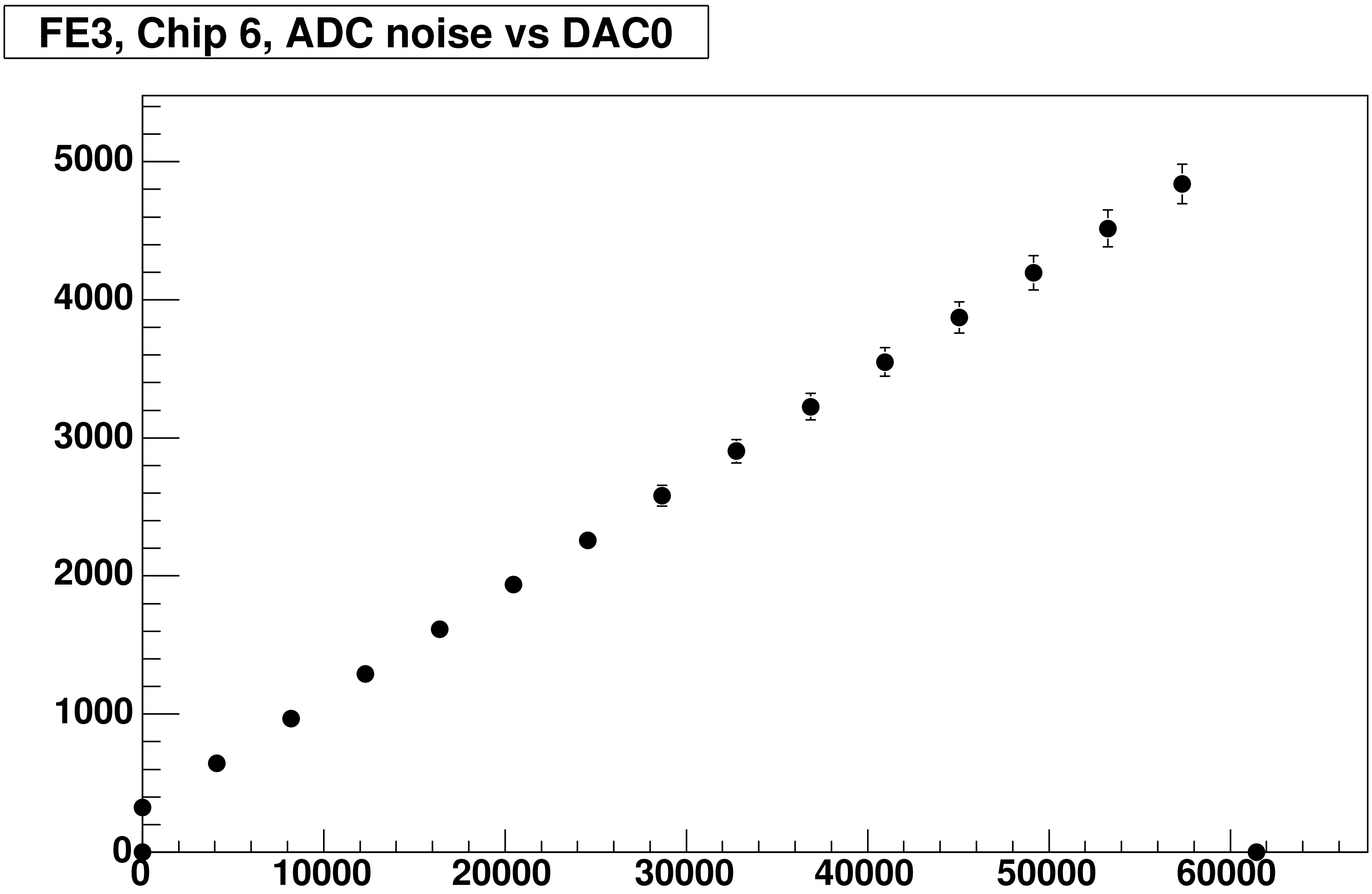
FE3, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

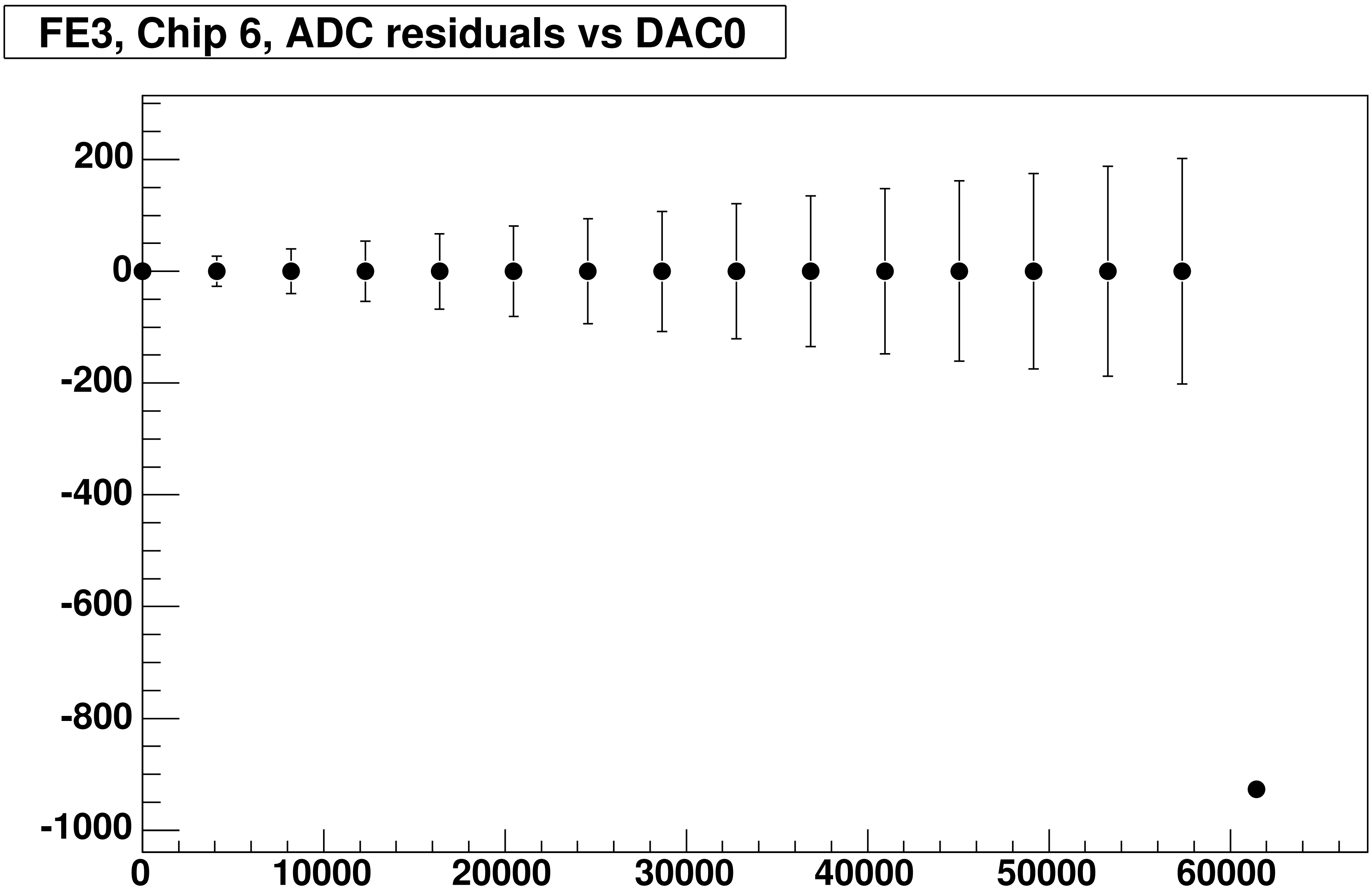

FE3, Chip 5, ADC mean vs DAC1
χ^2 / ndf 2.666e-05 / 11
p0 -11.76 ± 31.02
p1 0.01407 ± 0.001594
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

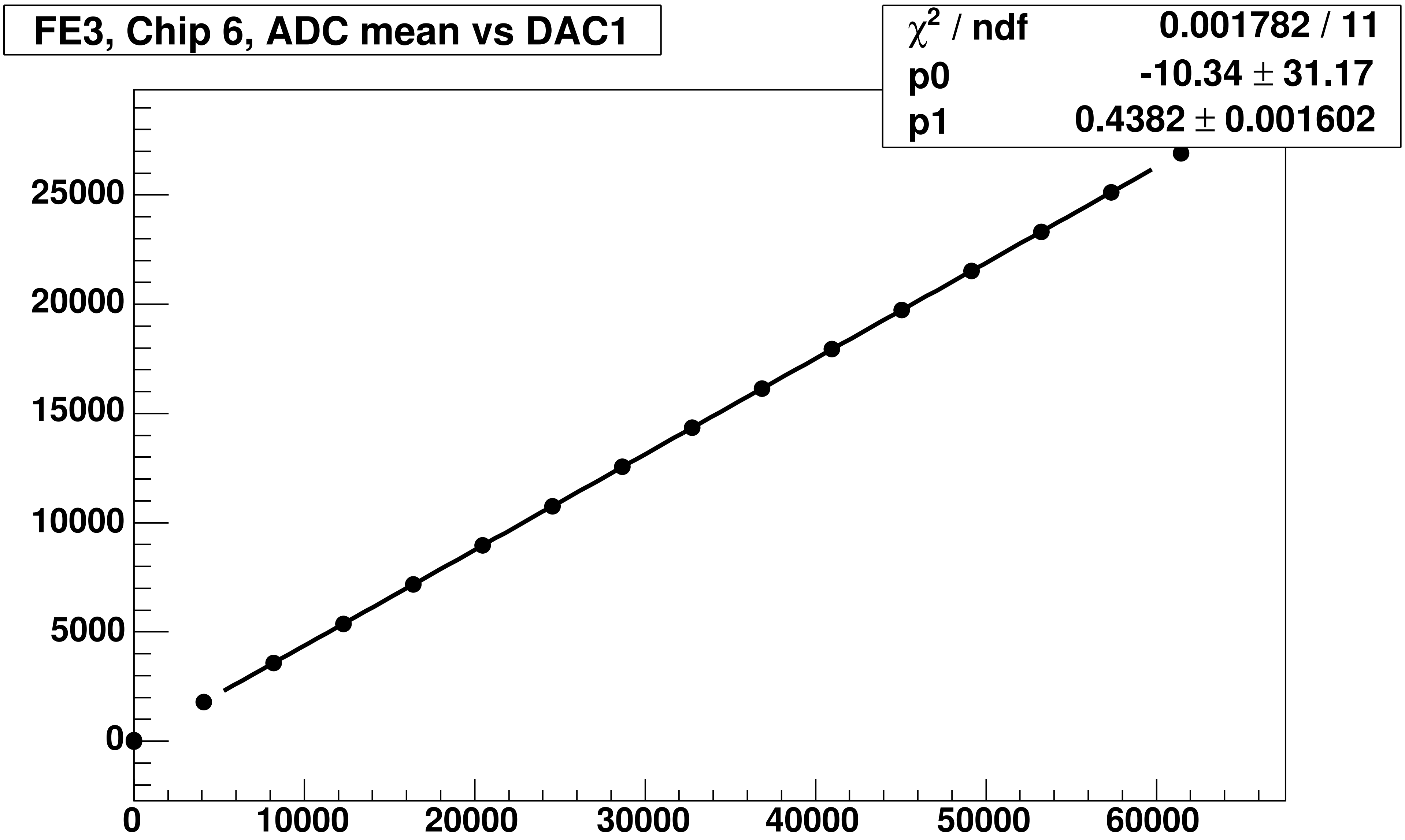

FE3, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

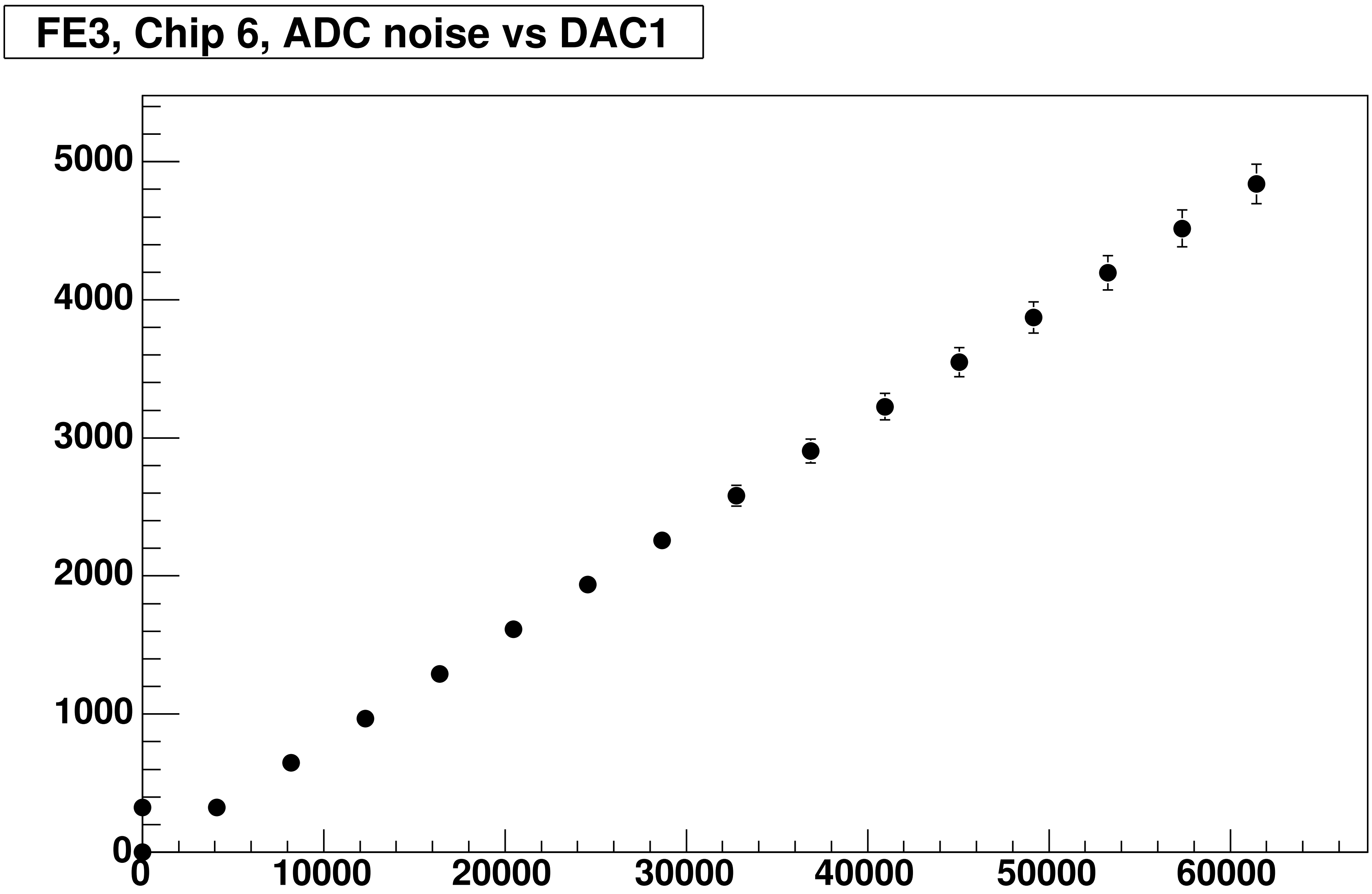

FE3, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

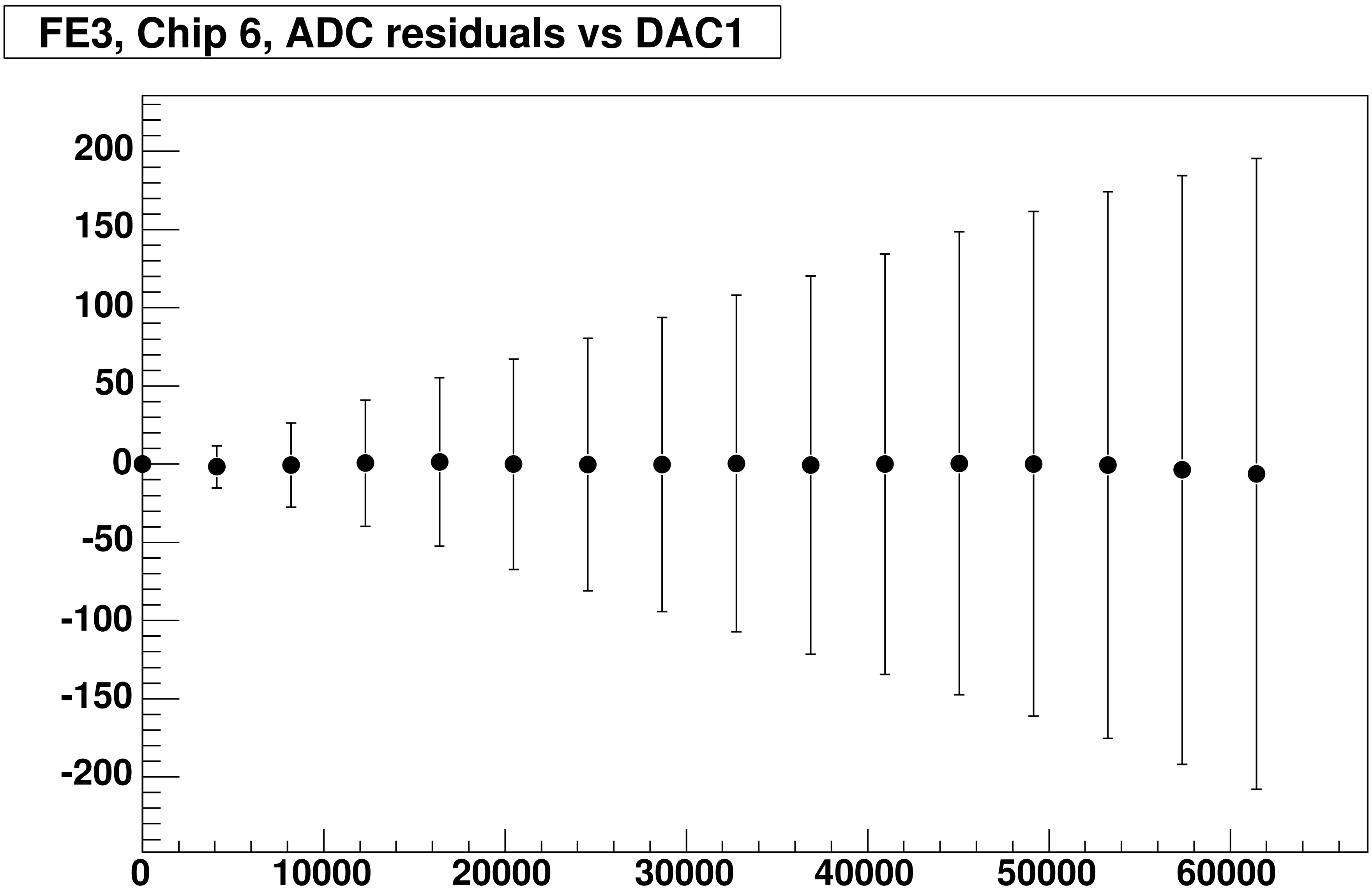

FE3, Chip 6, ADC mean vs DAC0
χ^2 / ndf 1.327e-05 / 11
p0 46.82 ± 42.08
p1 0.01413 ± 0.001897
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

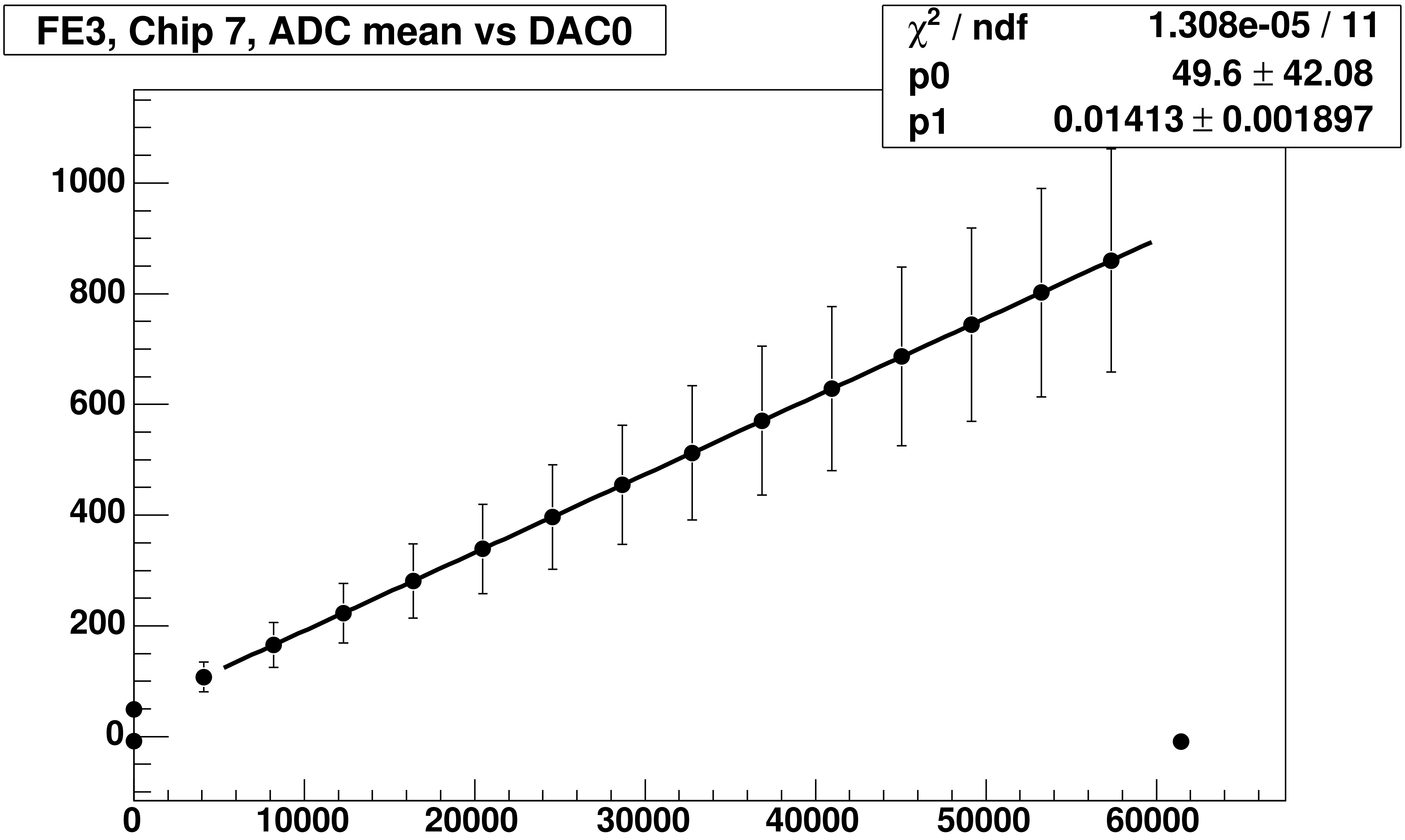

FE3, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

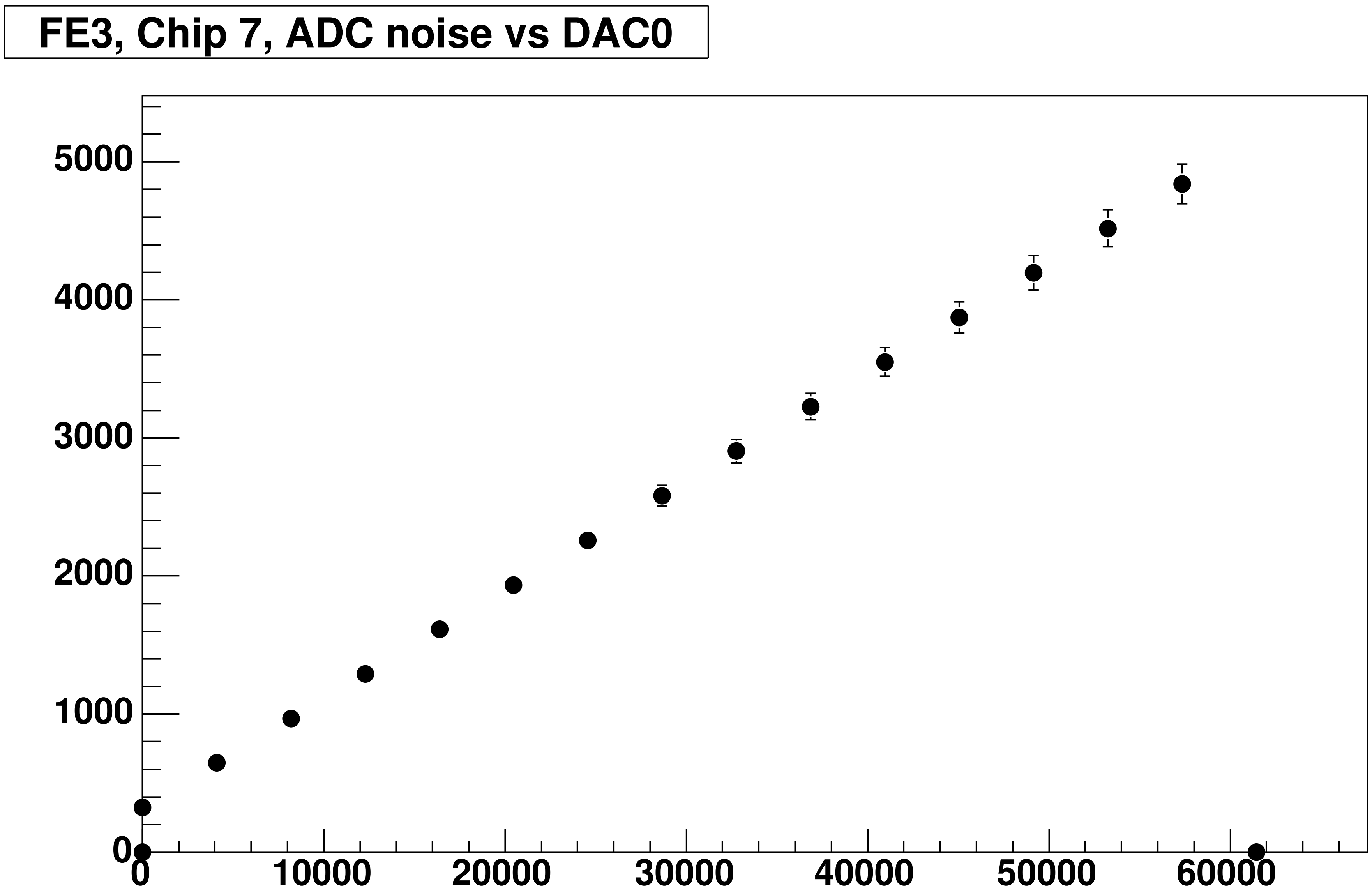

FE3, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

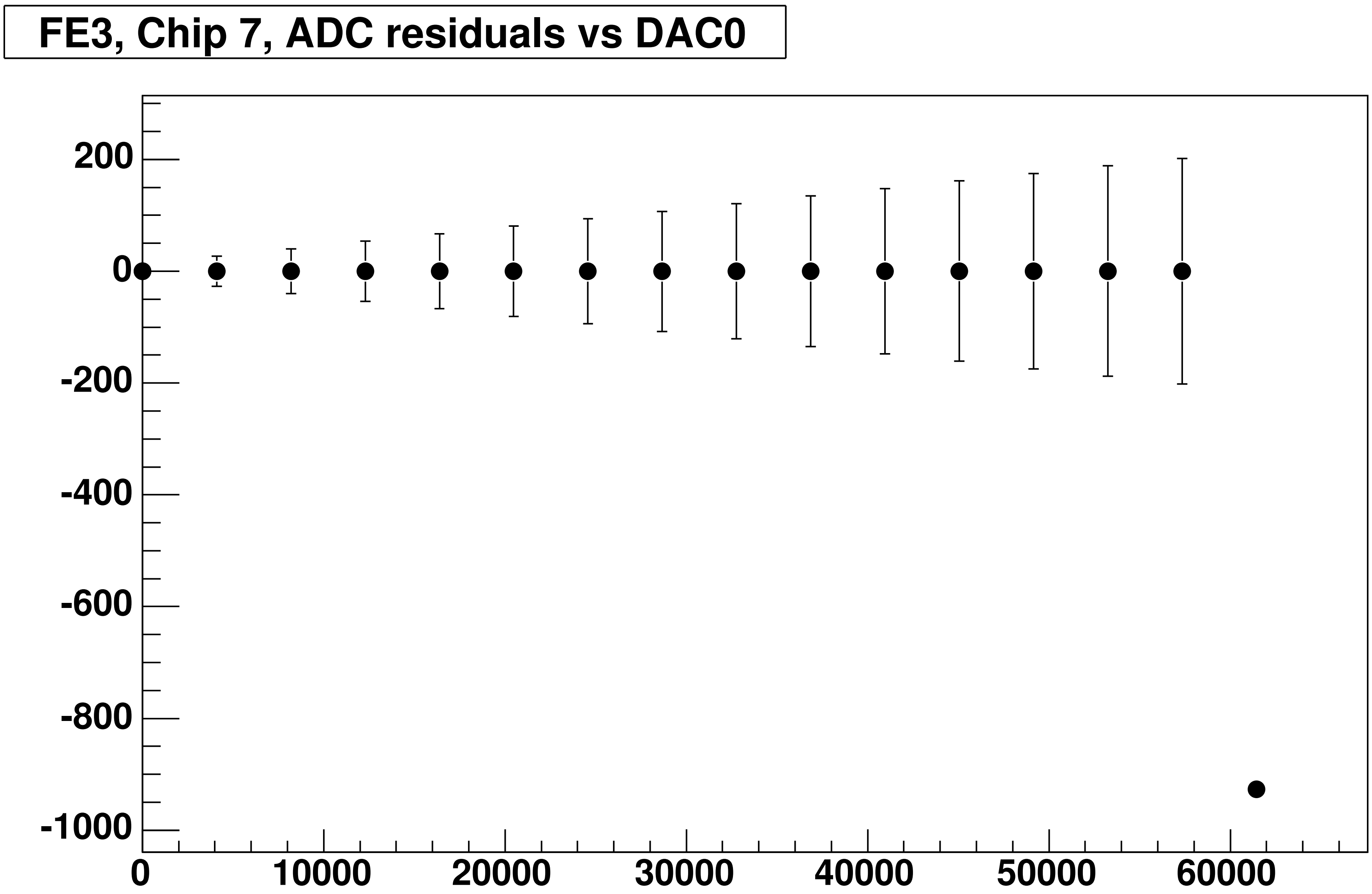

FE3, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001782 / 11
p0 -10.34 ± 31.17
p1 0.4382 ± 0.001602
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

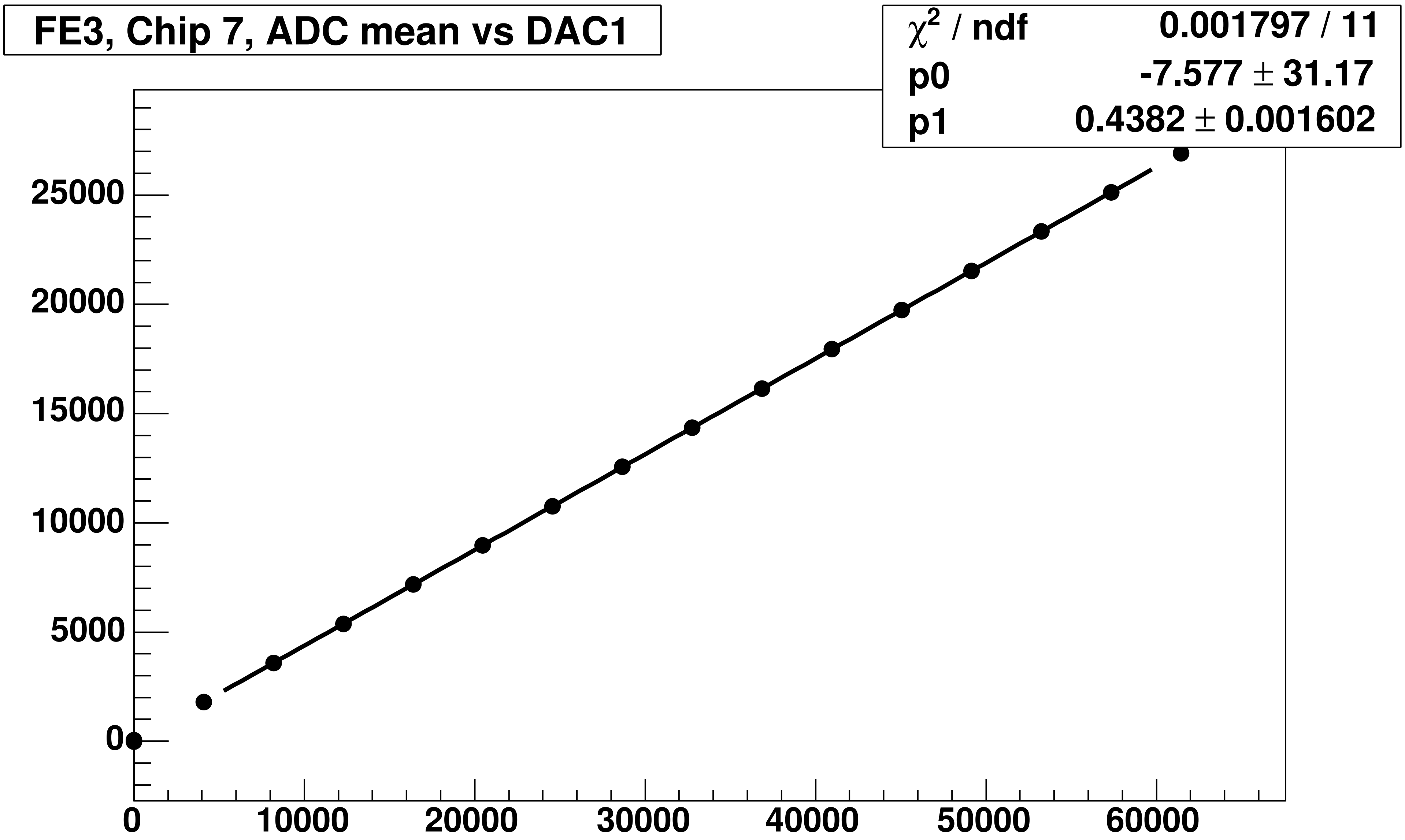

FE3, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

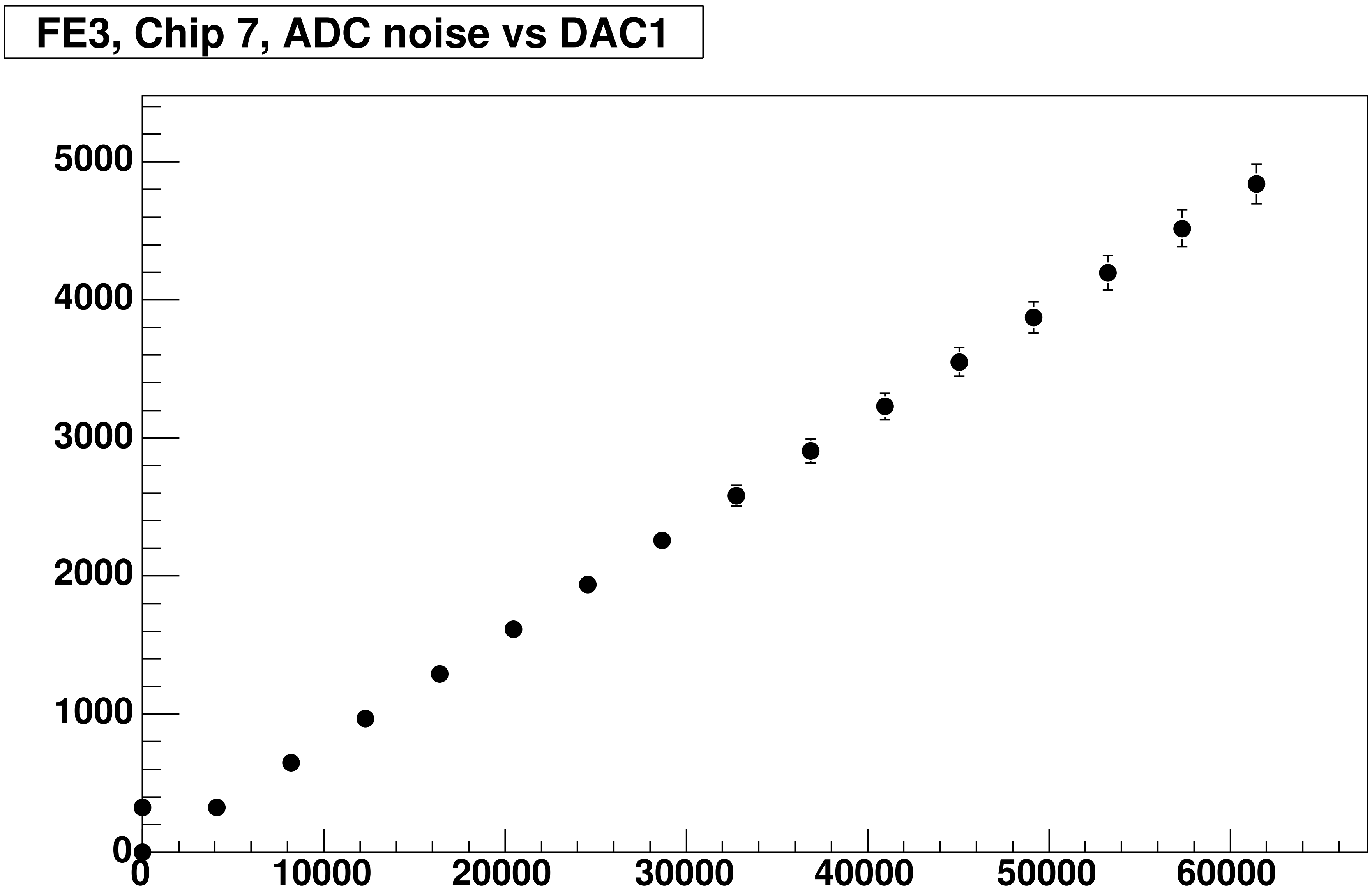

FE3, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

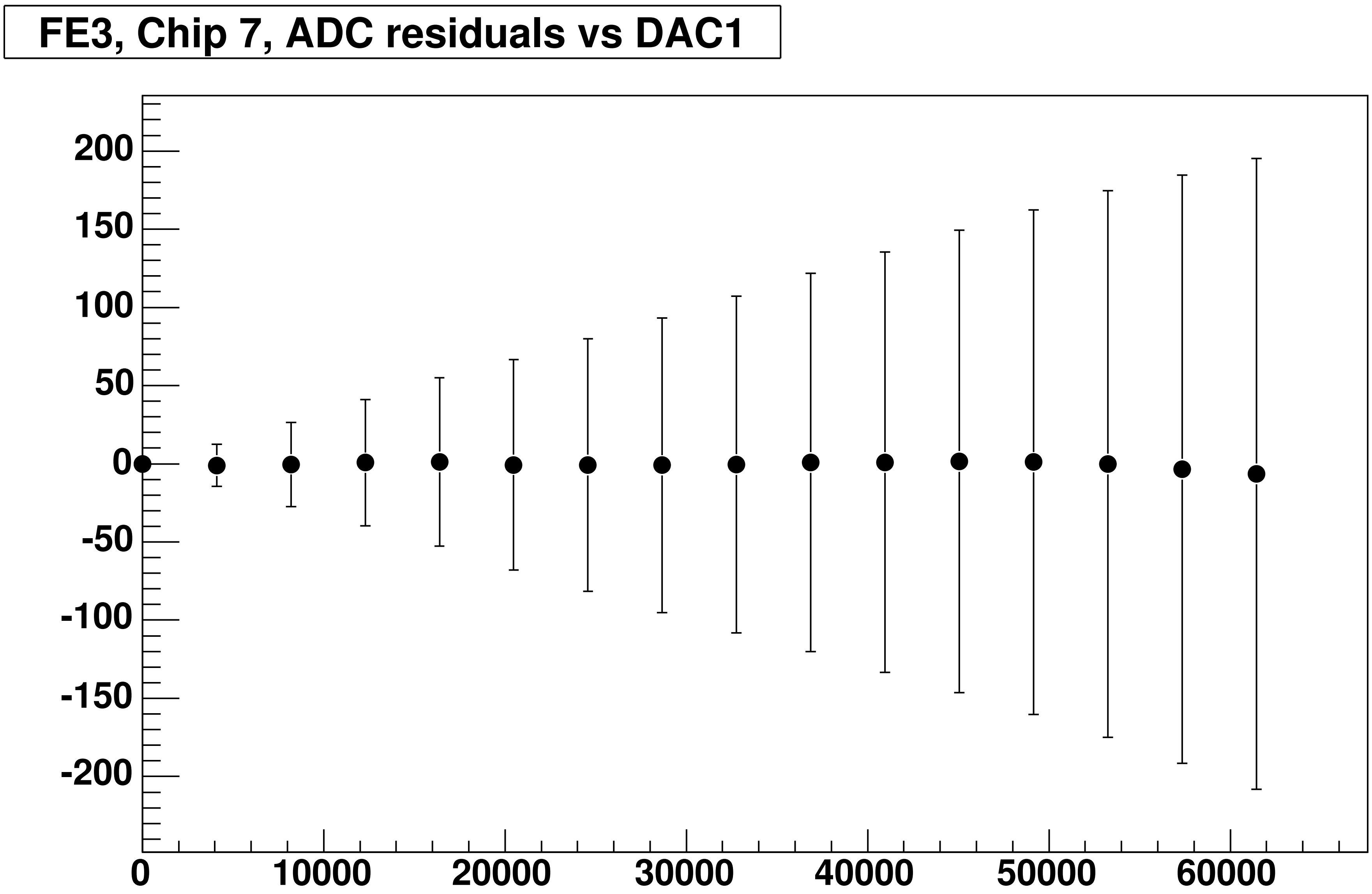

FE3, Chip 7, ADC mean vs DAC0
χ^2 / ndf 1.308e-05 / 11
p0 49.6 ± 42.08
p1 0.01413 ± 0.001897
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

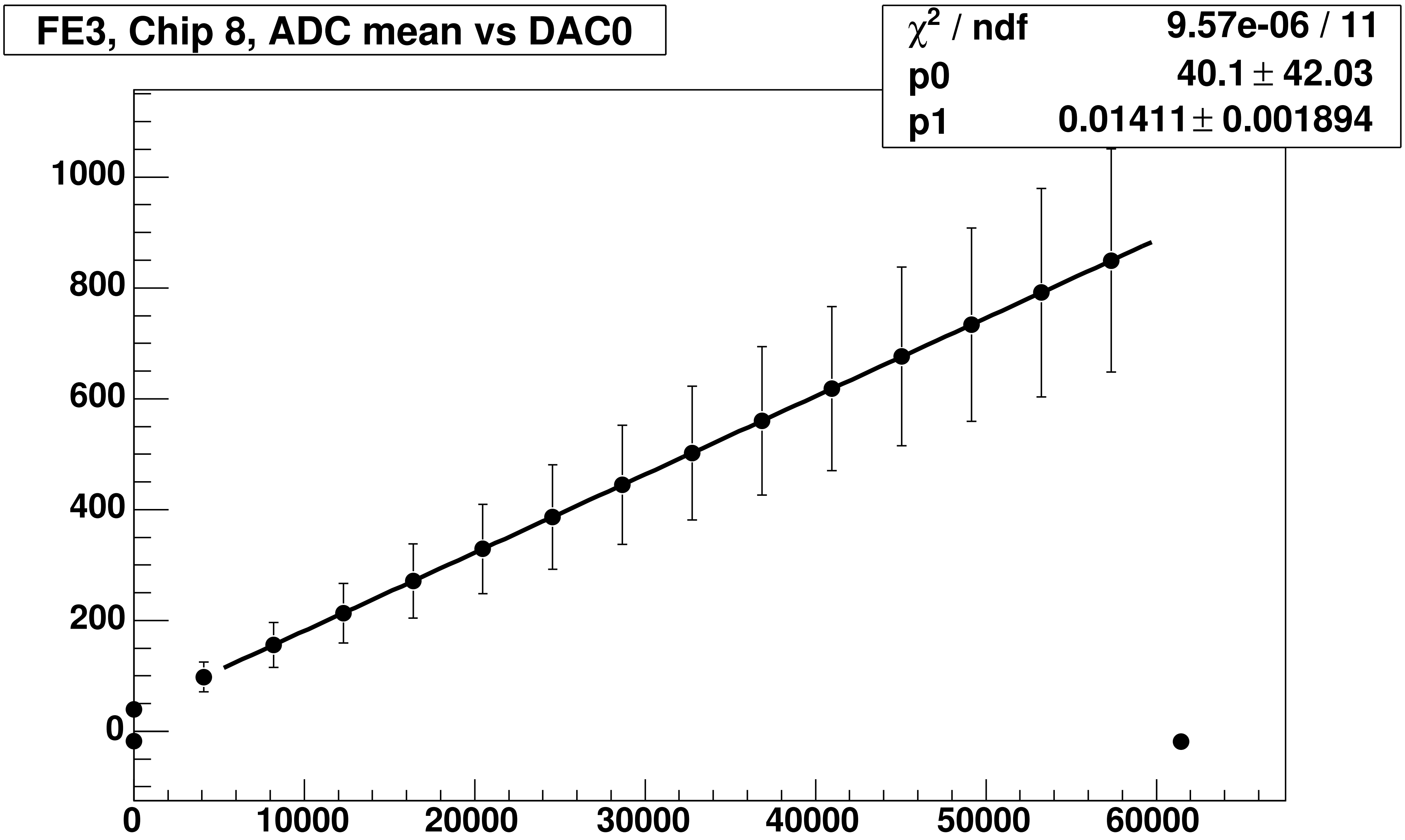

FE3, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

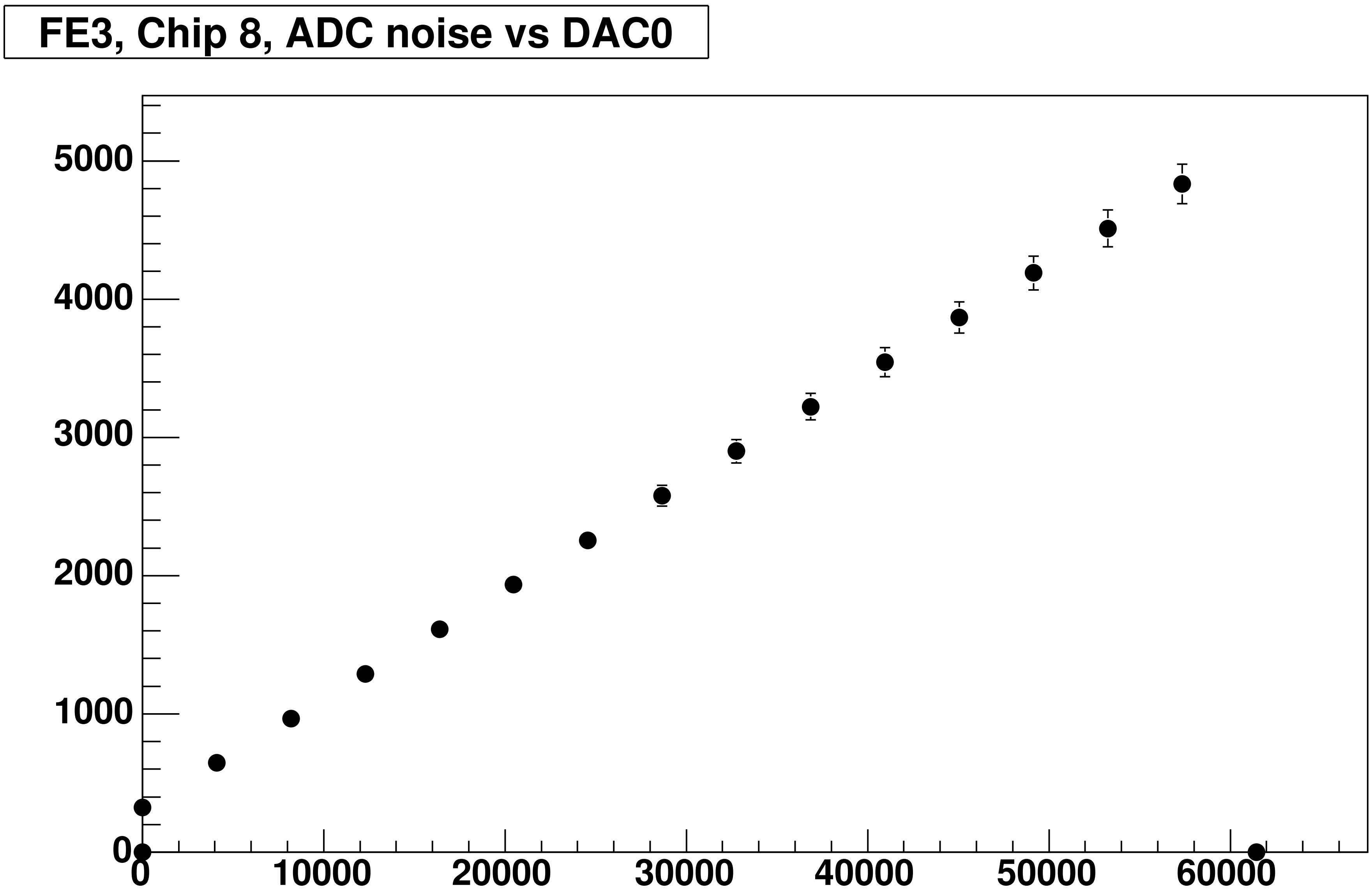

FE3, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.001797 / 11
p0 -7.577 ± 31.17
p1 0.4382 ± 0.001602
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

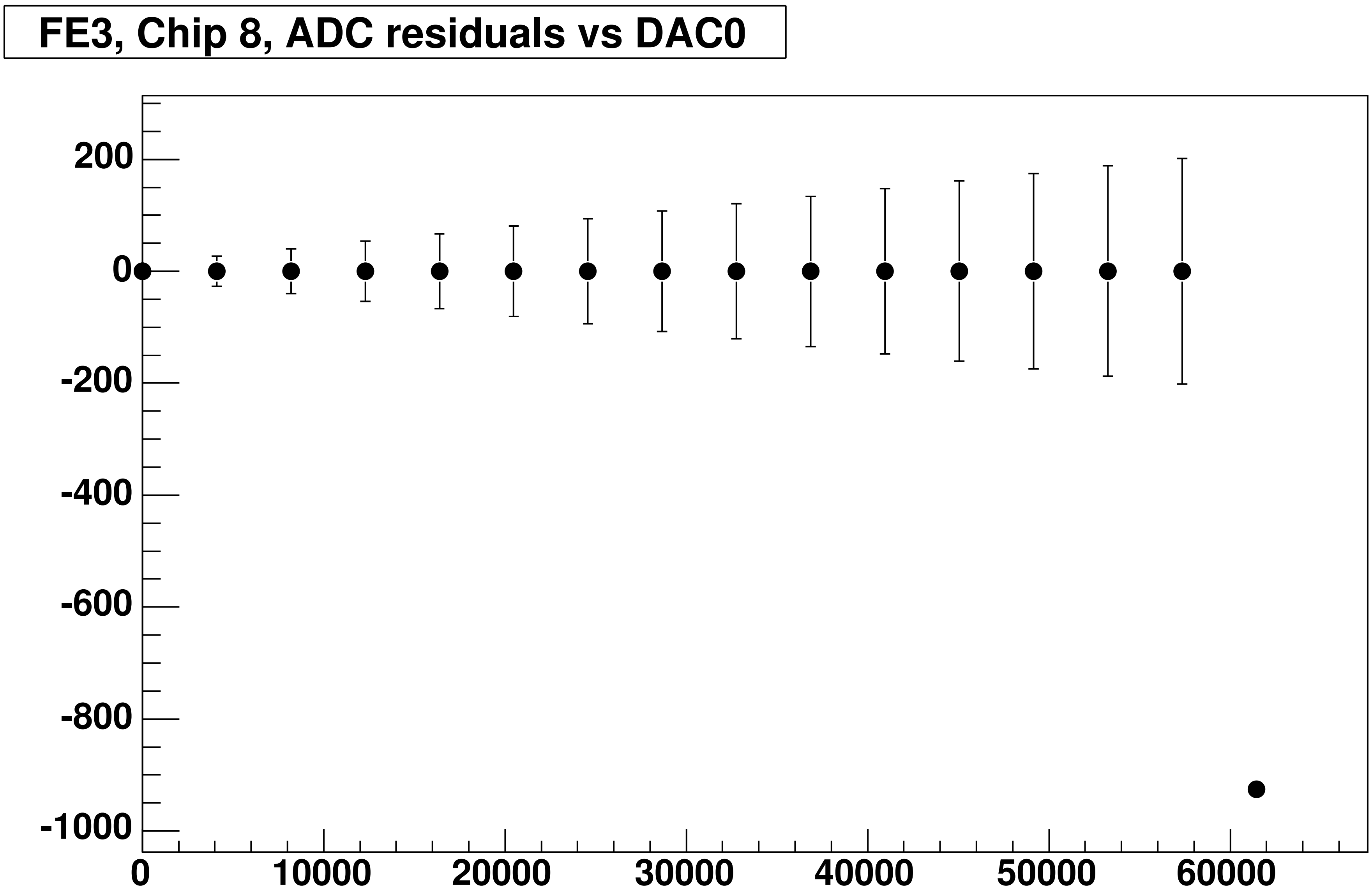

FE3, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

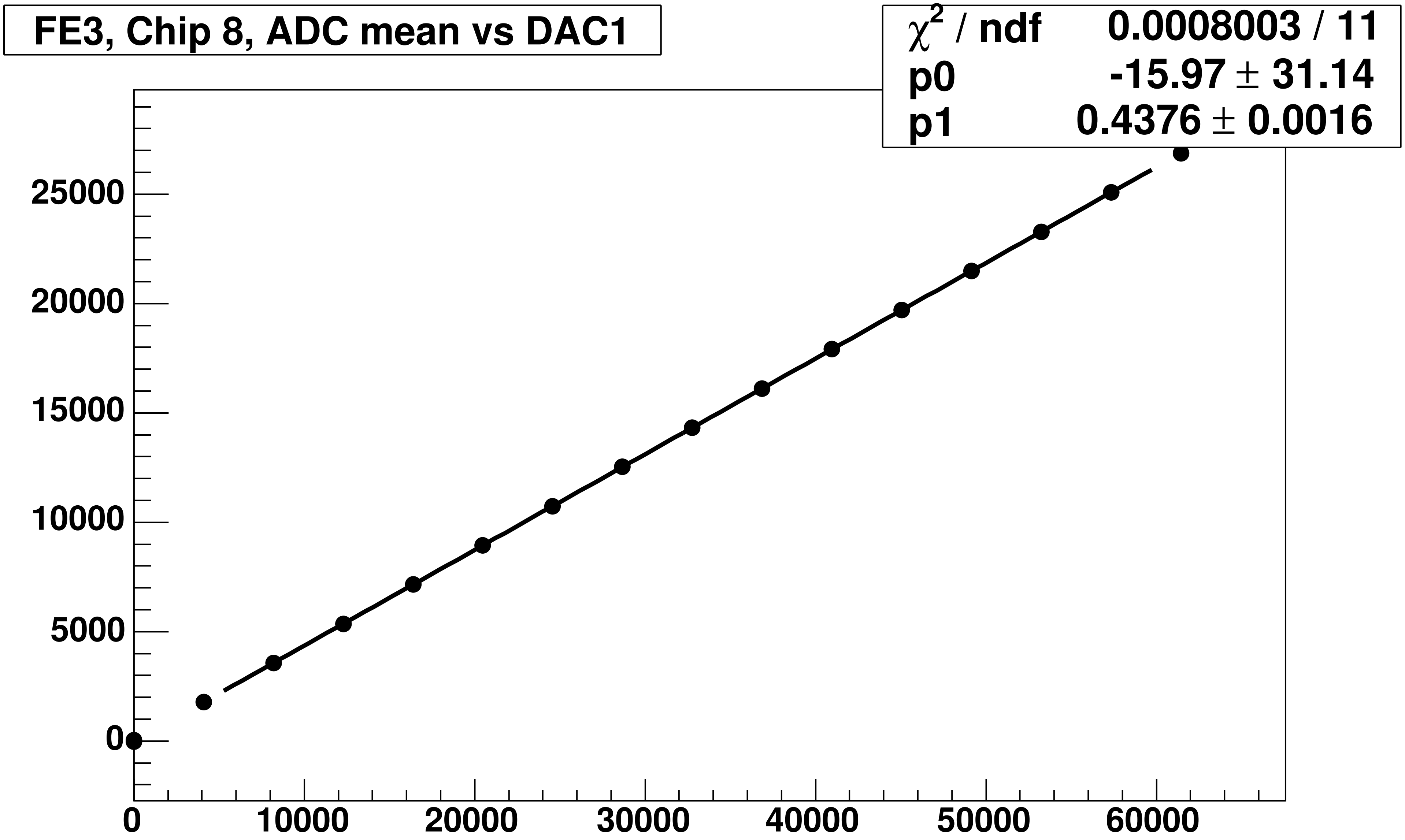

FE3, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

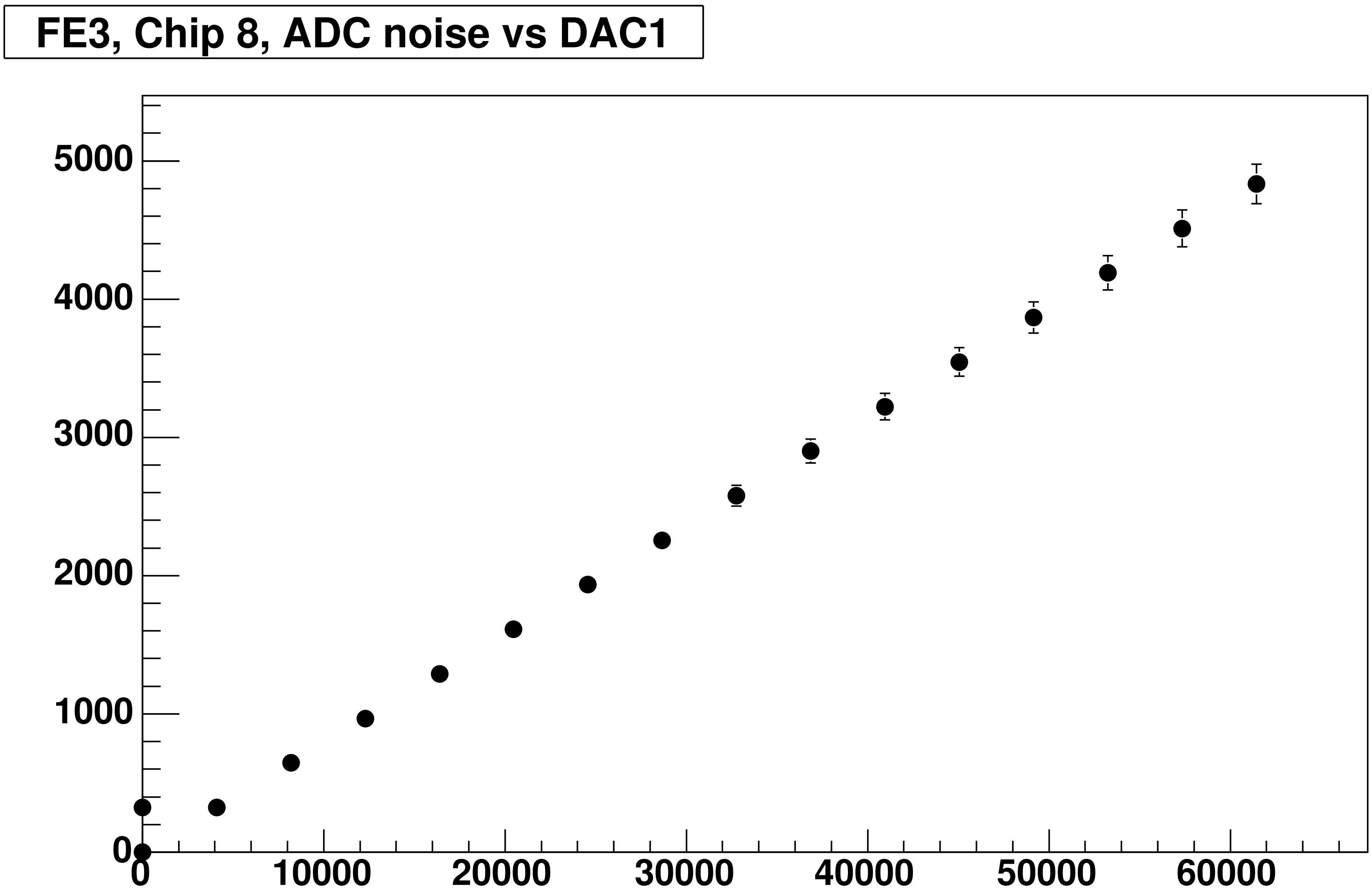


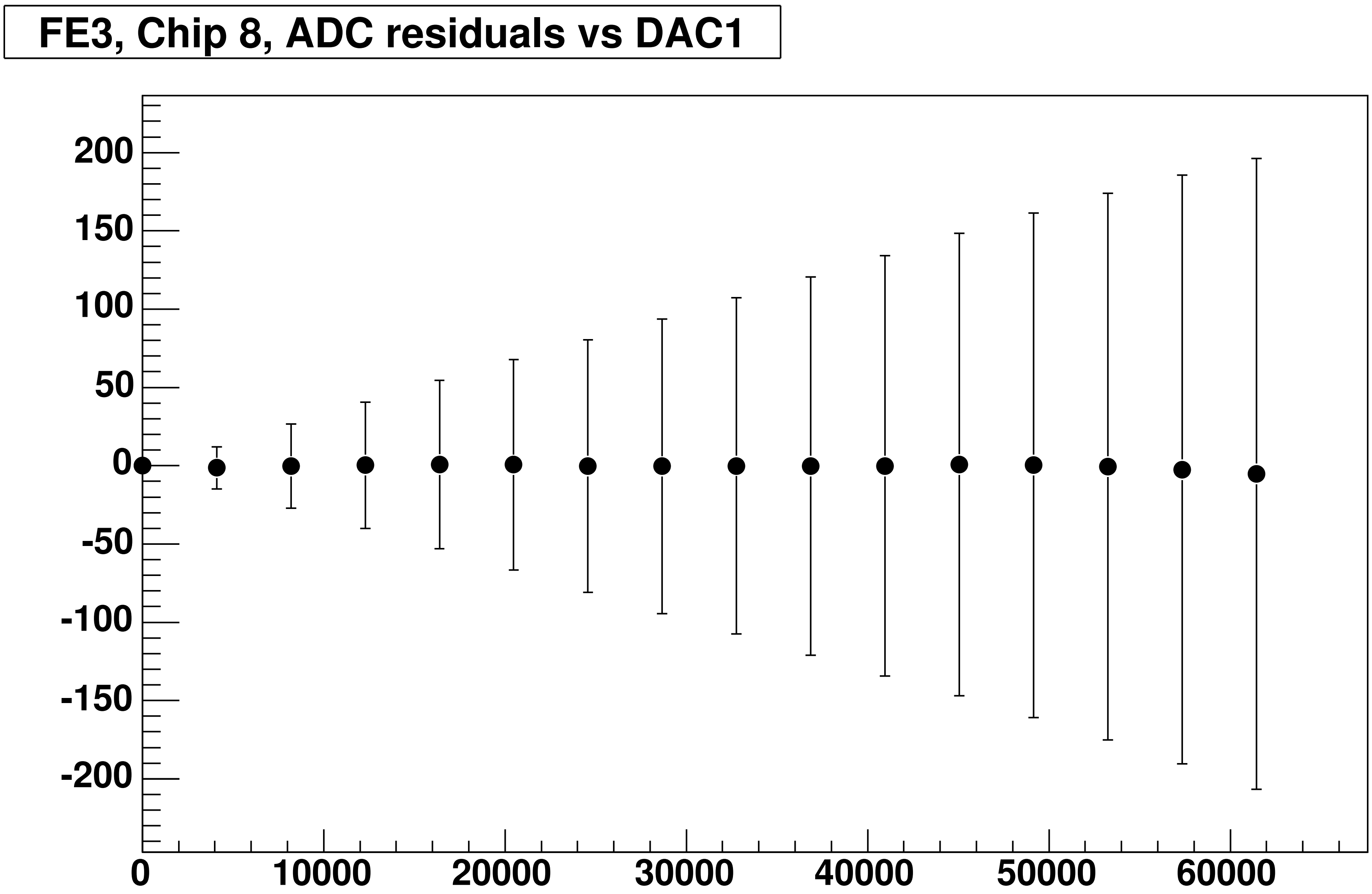
FE3, Chip 8, ADC mean vs DAC0
χ^2 / ndf 9.57e-06 / 11
p0 40.1 ± 42.03
p1 0.01411 ± 0.001894
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

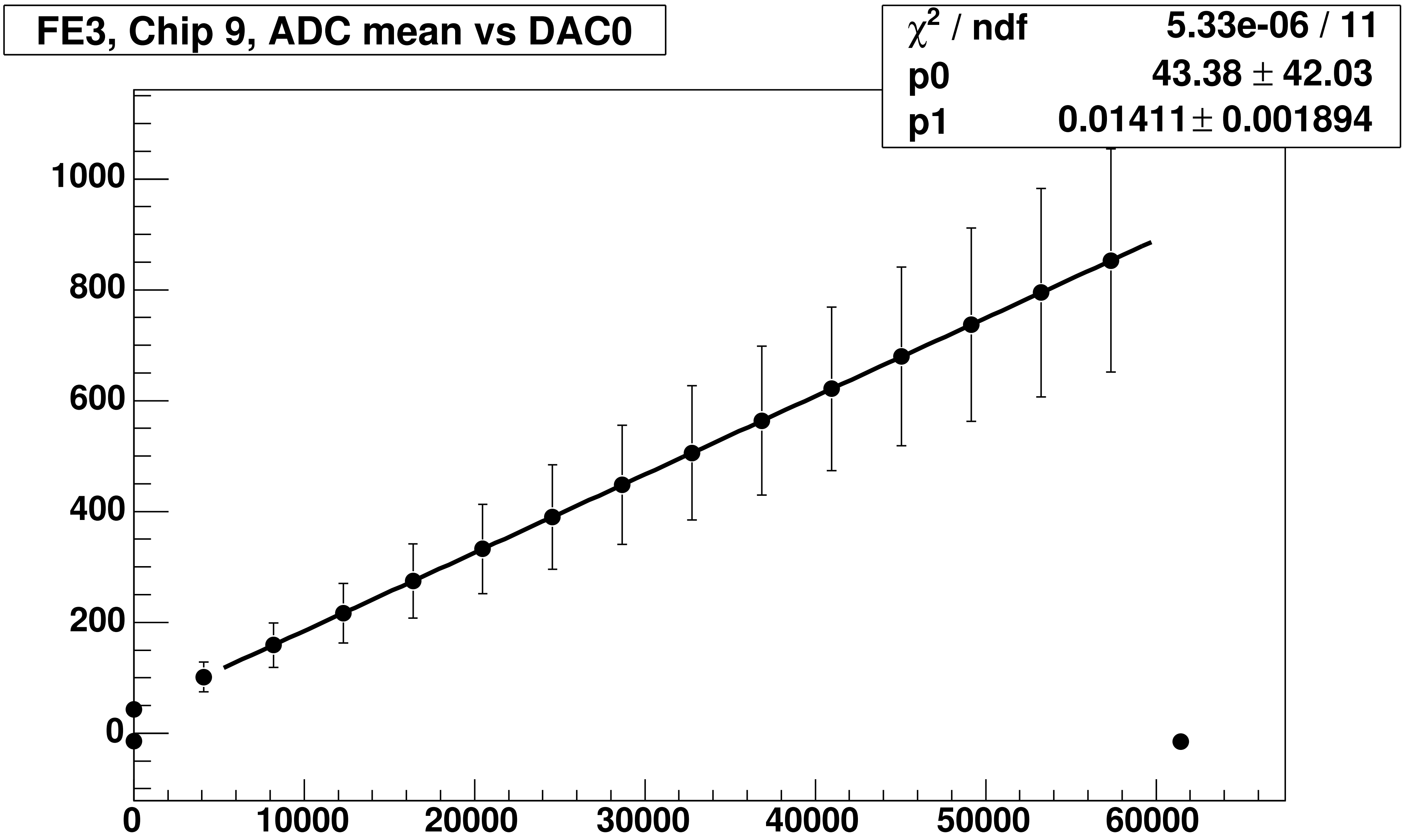

FE3, Chip 8, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

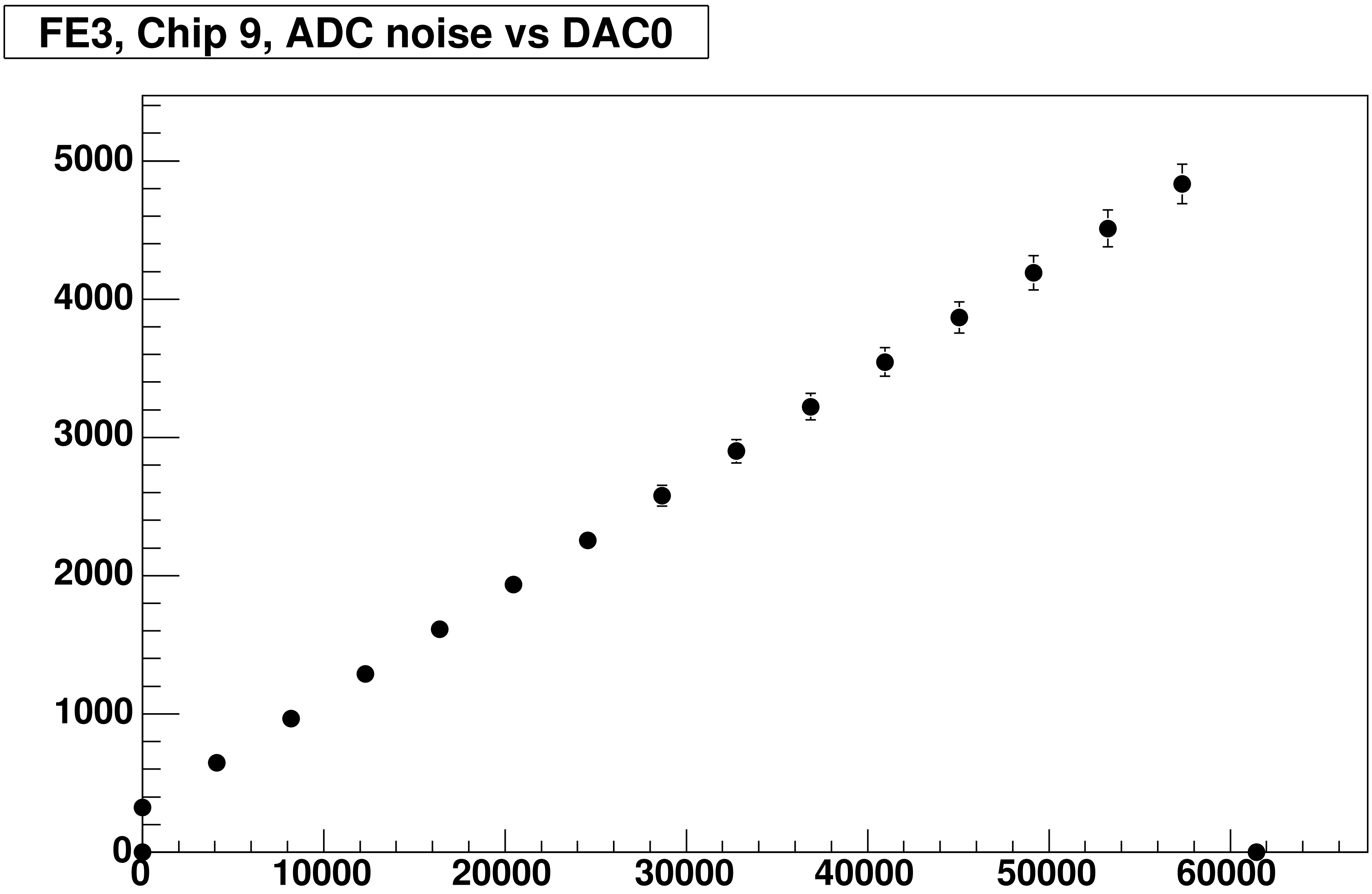

FE3, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

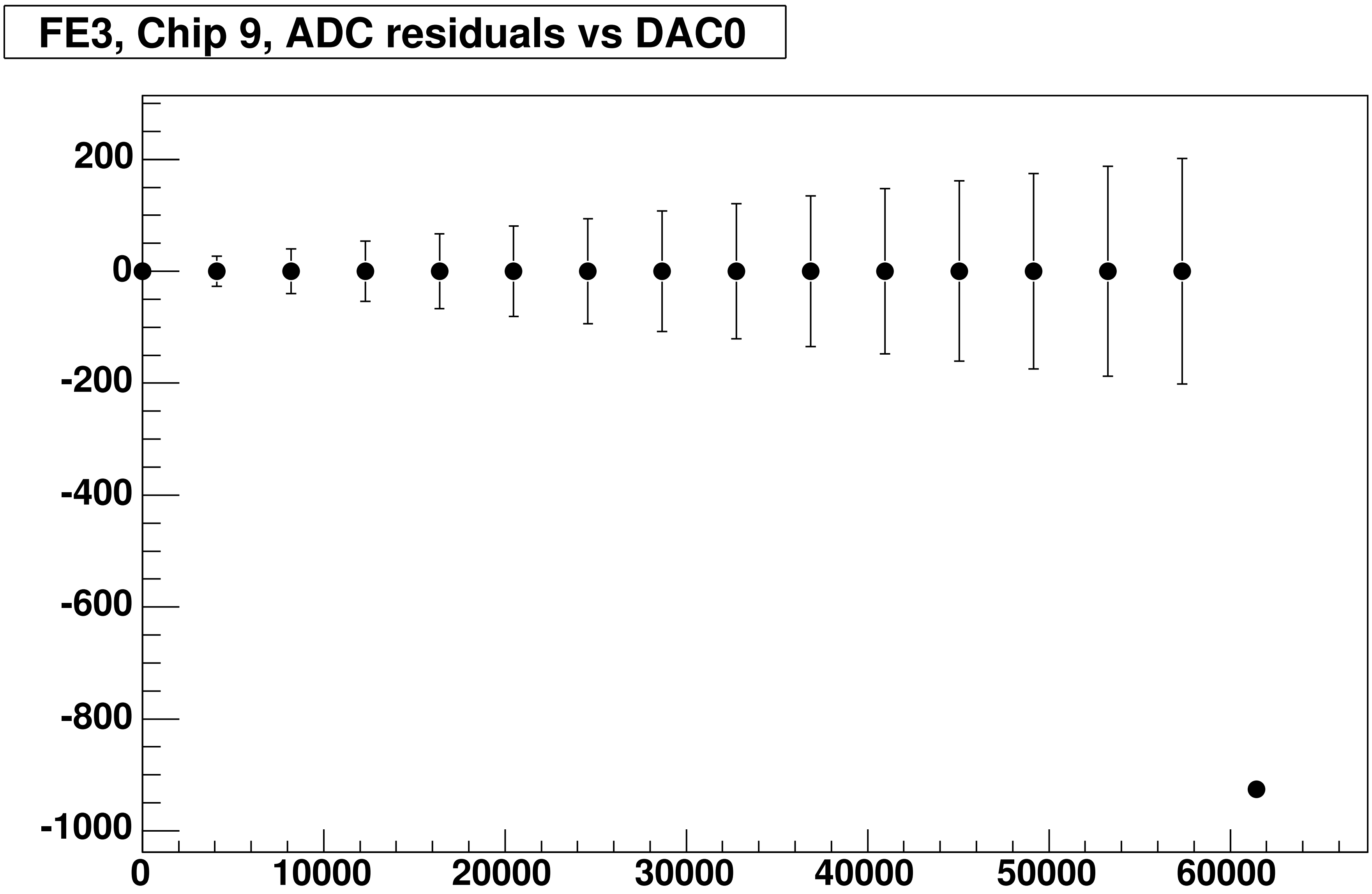

FE3, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.0008003 / 11
p0 -15.97 ± 31.14
p1 0.4376 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

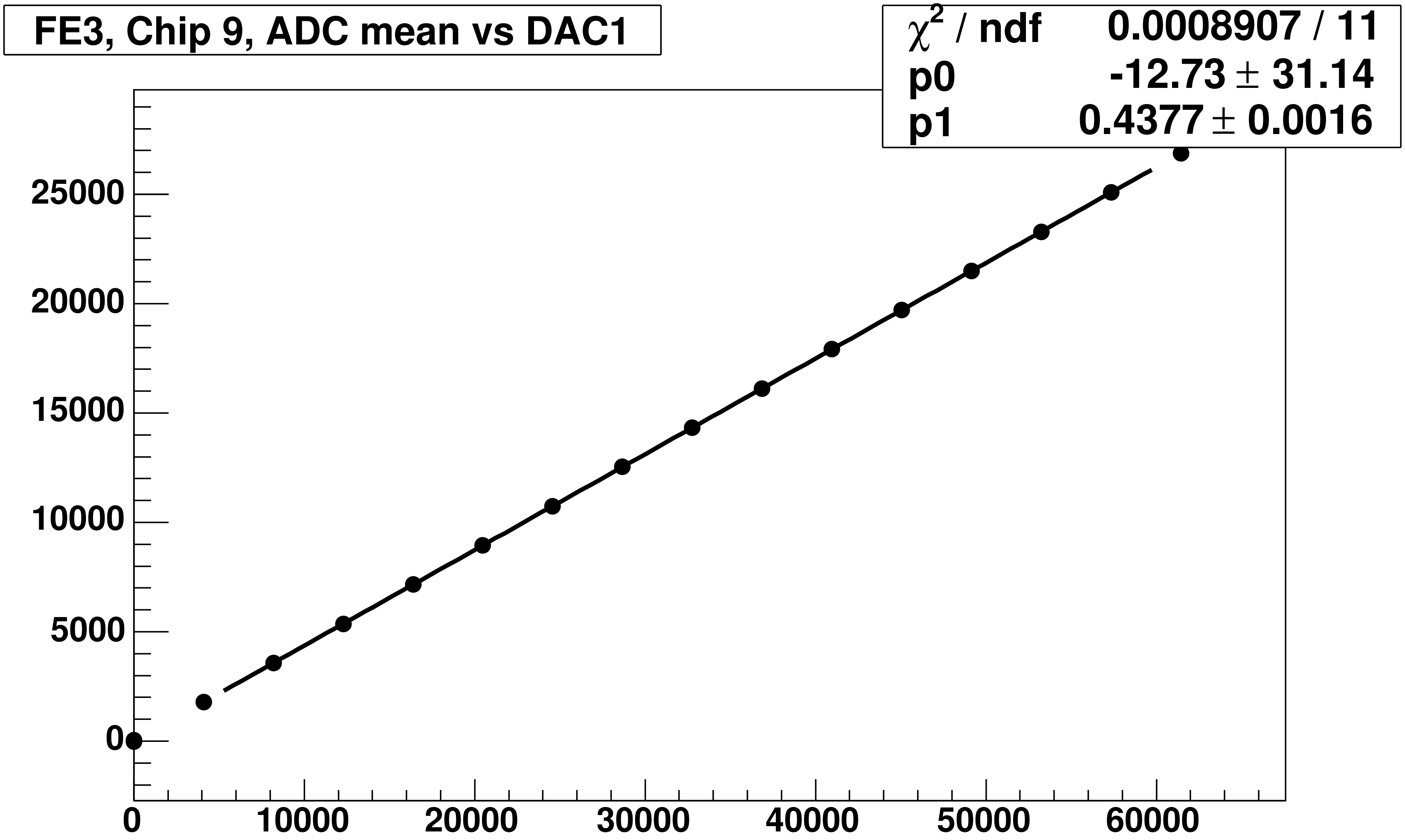

FE3, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

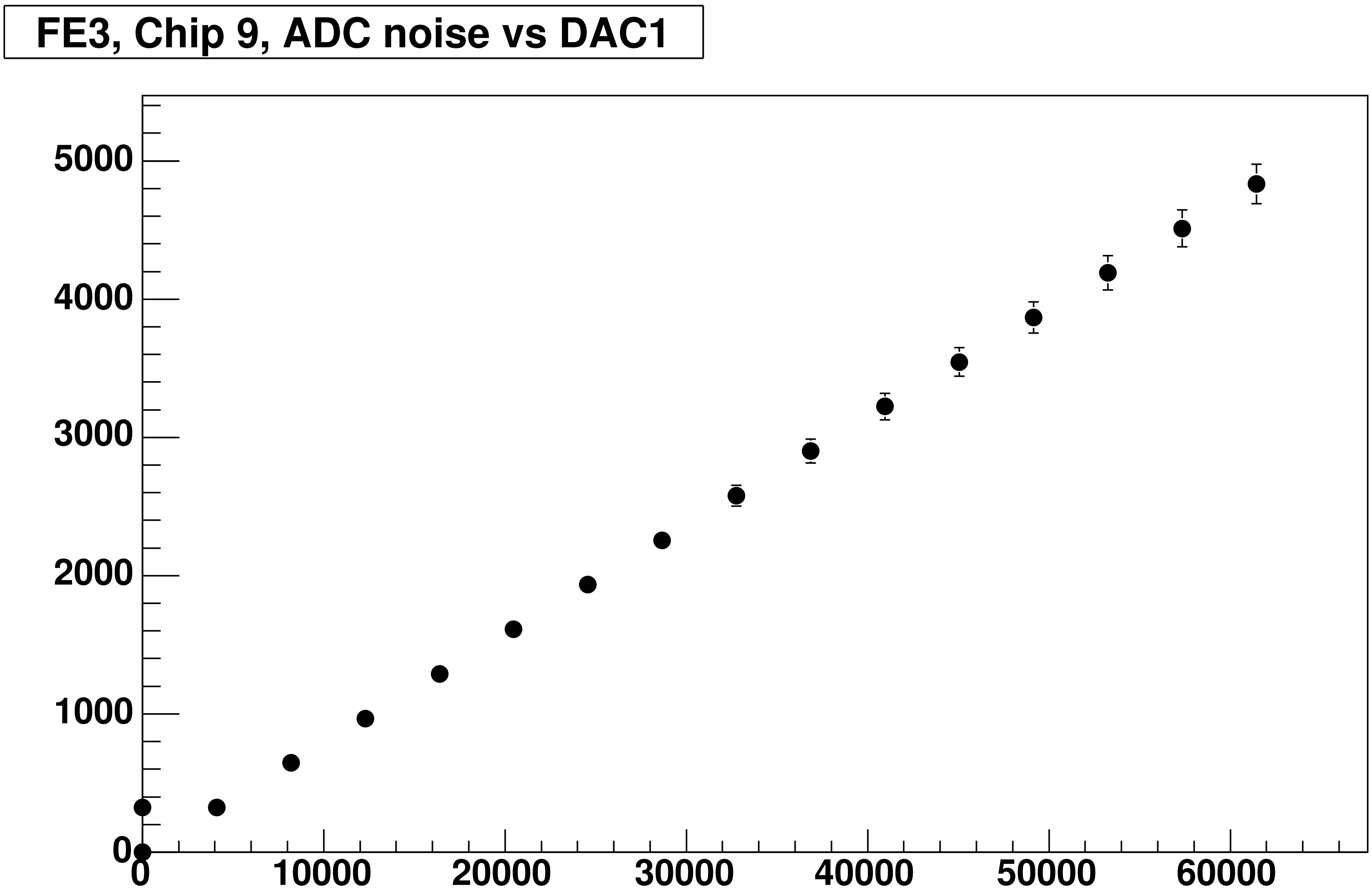

FE3, Chip 9, ADC mean vs DAC0
χ2 / ndf 5.33e-06 / 11
p0 43.38 ± 42.03
p1 0.01411 ± 0.001894
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

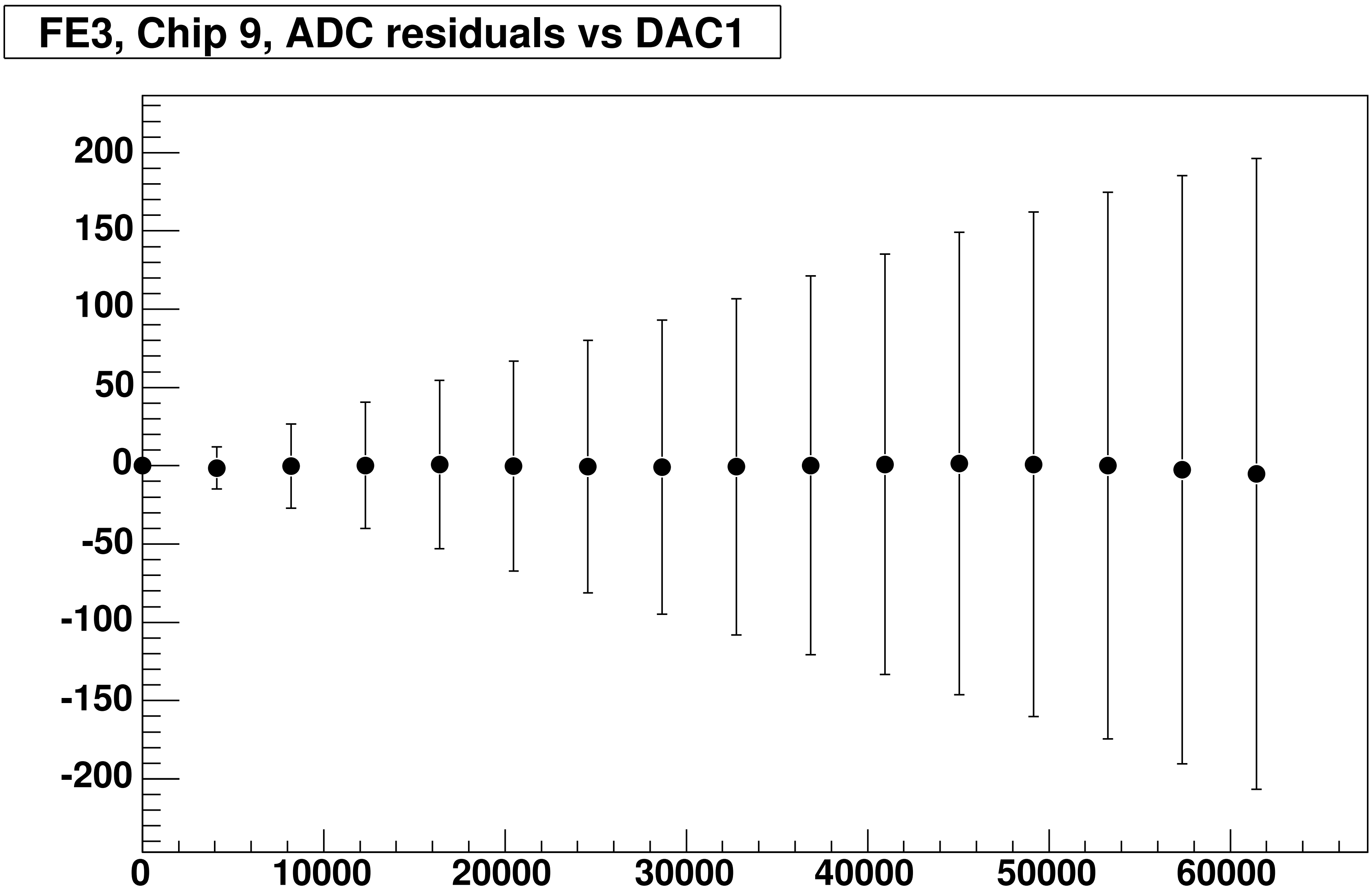

FE3, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

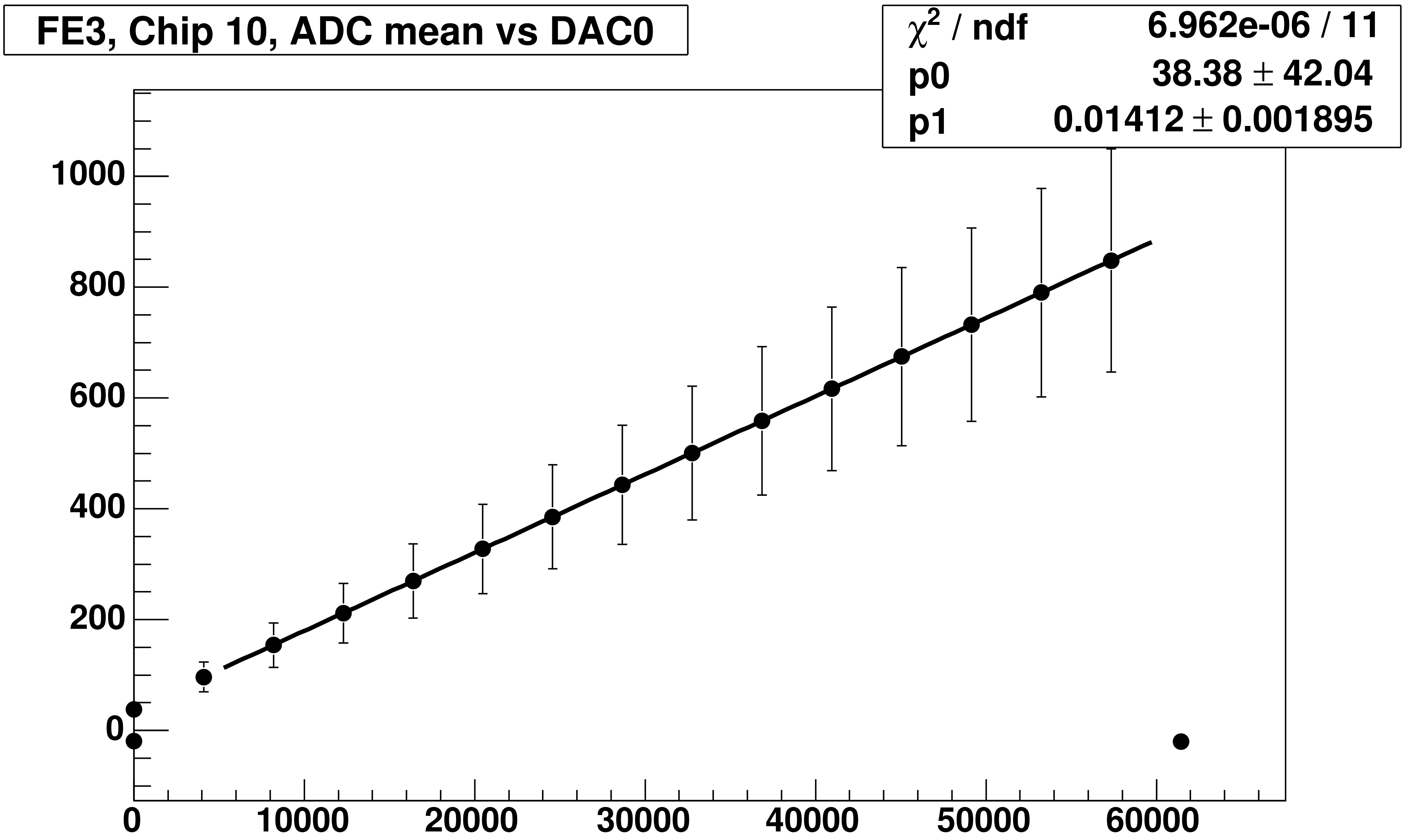


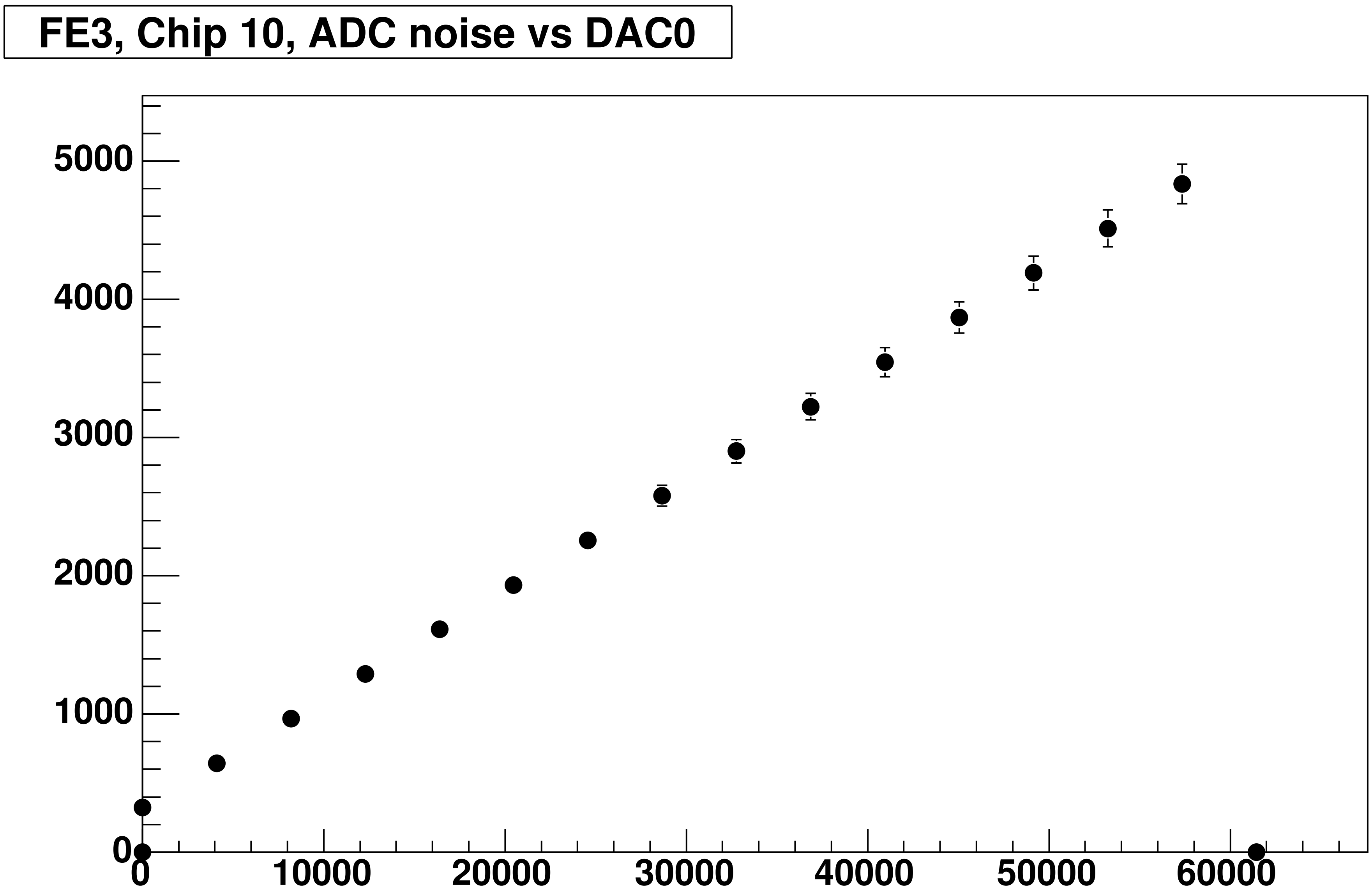
FE3, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

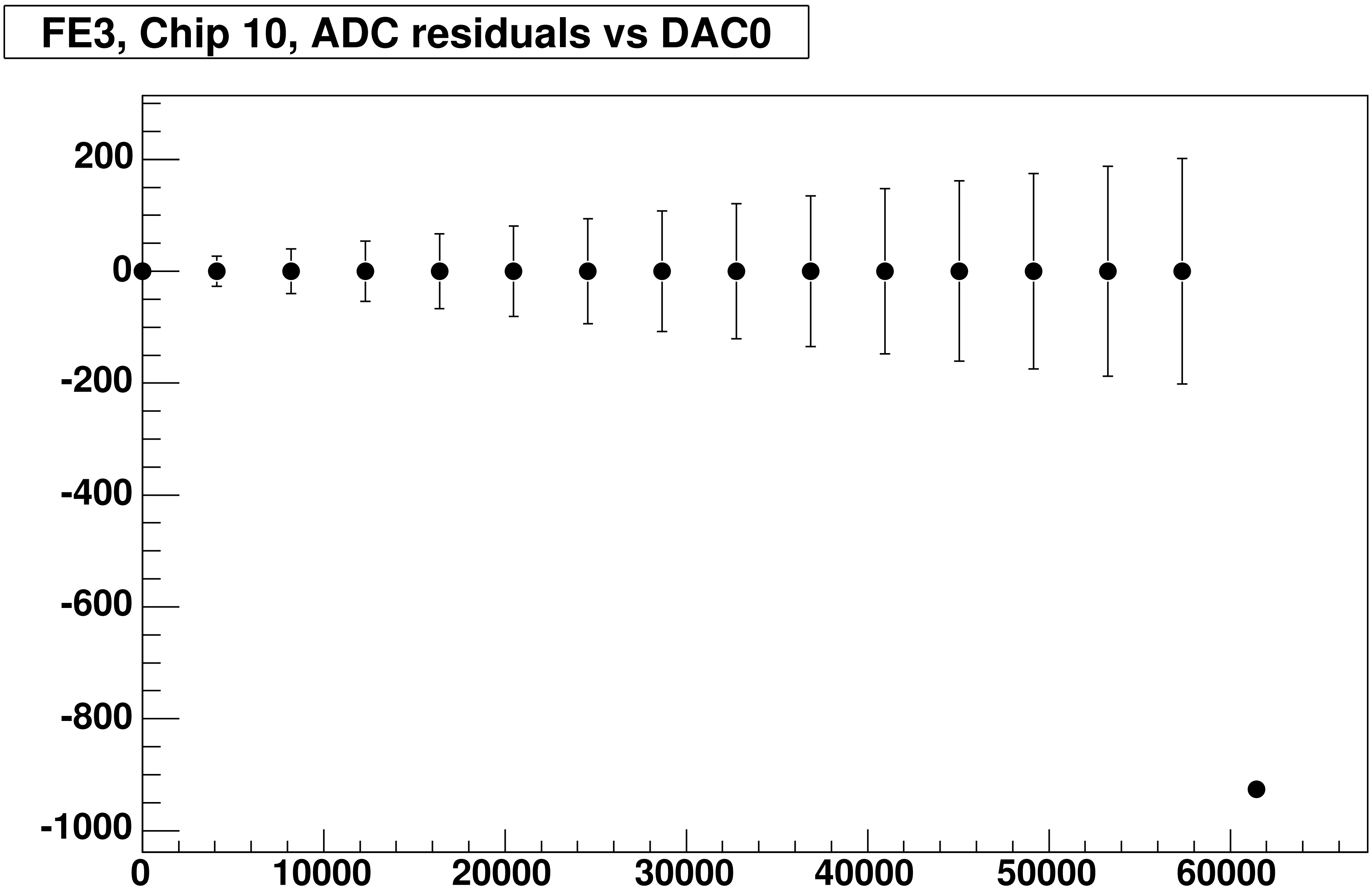

FE3, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0008907 / 11
p0 -12.73 ± 31.14
p1 0.4377 ± 0.0016
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

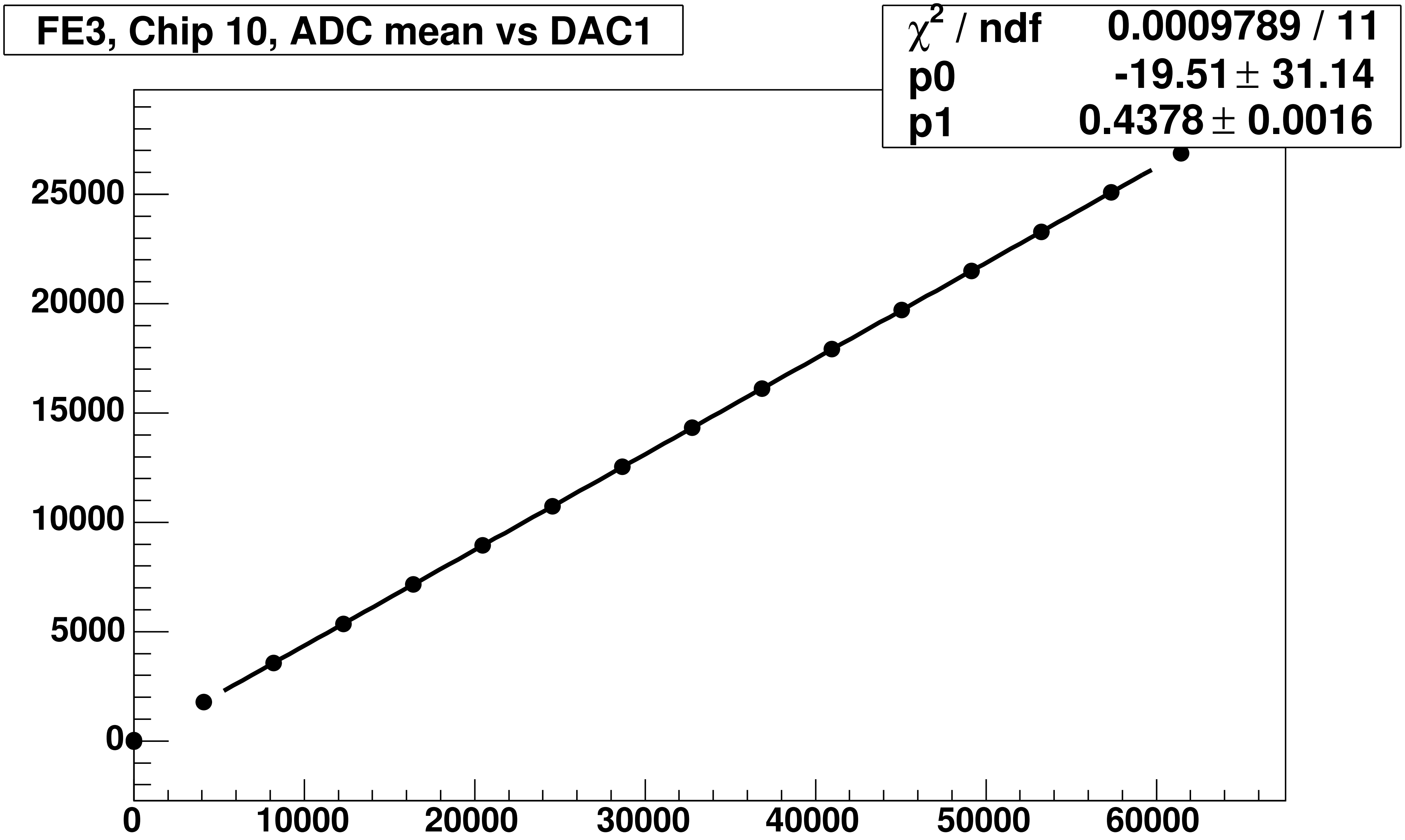

FE3, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

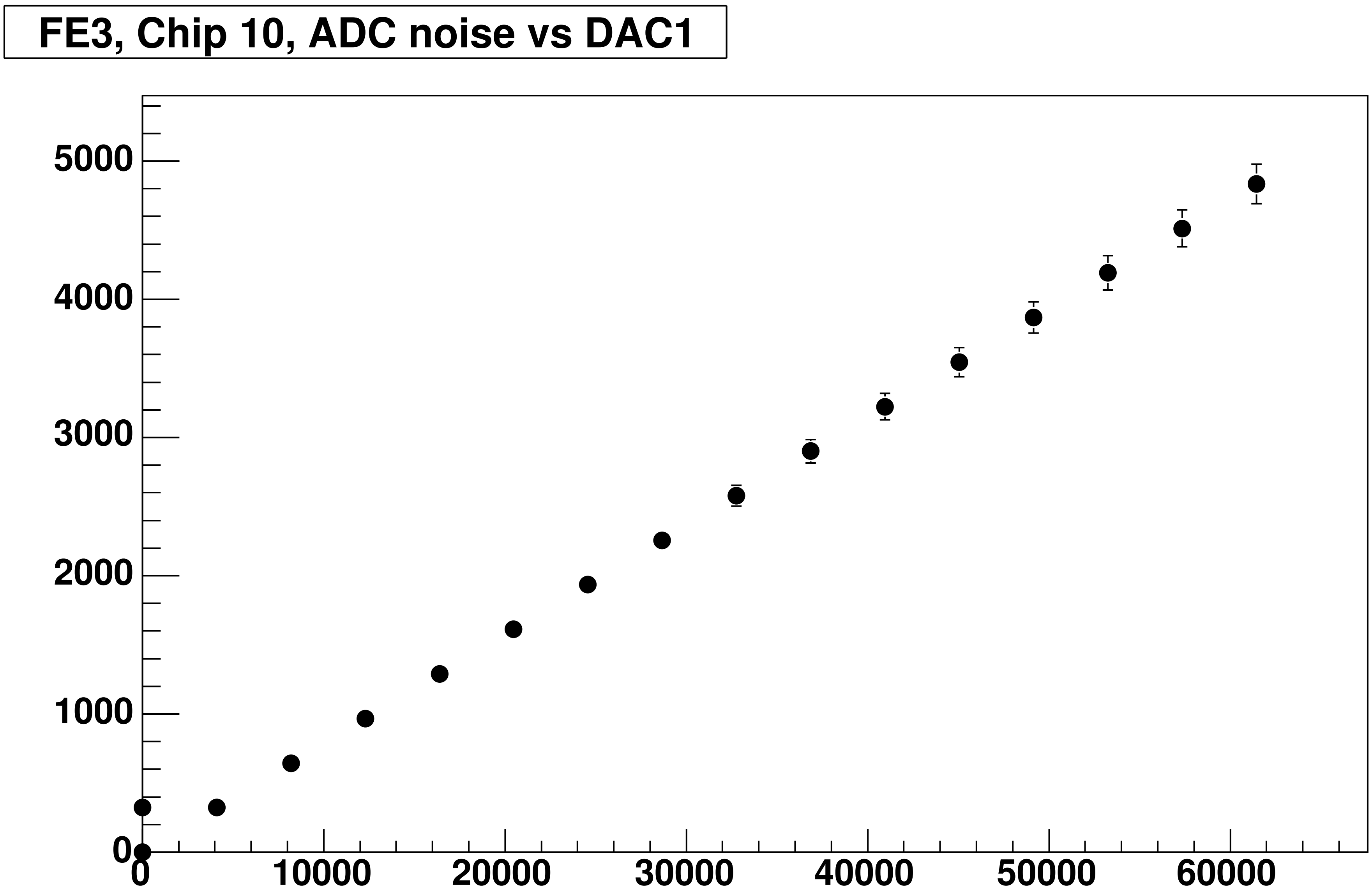

FE3, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

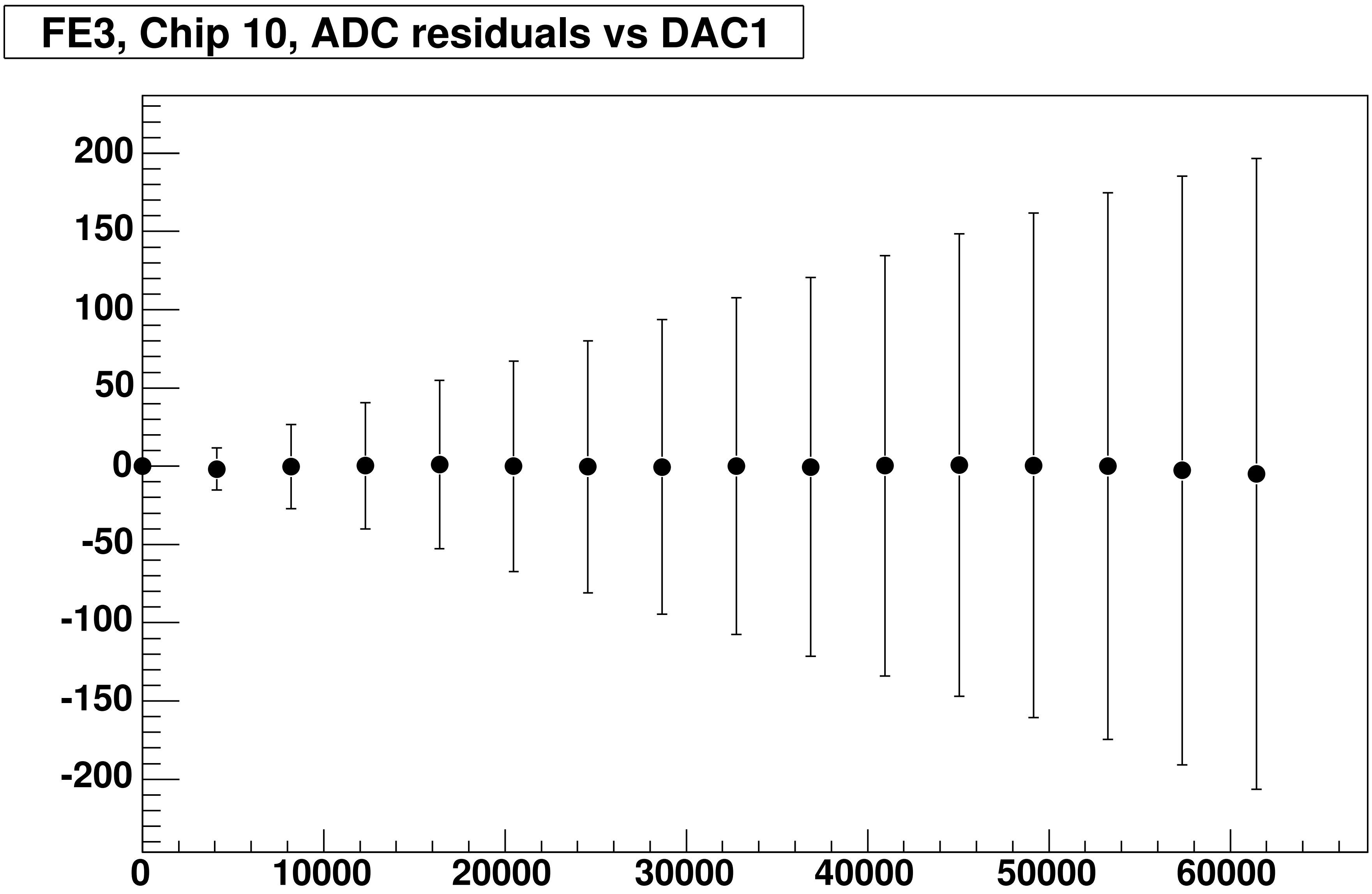

FE3, Chip 10, ADC mean vs DAC0
χ² / ndf 6.962e-06 / 11
p0 38.38 ± 42.04
p1 0.01412 ± 0.001895
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

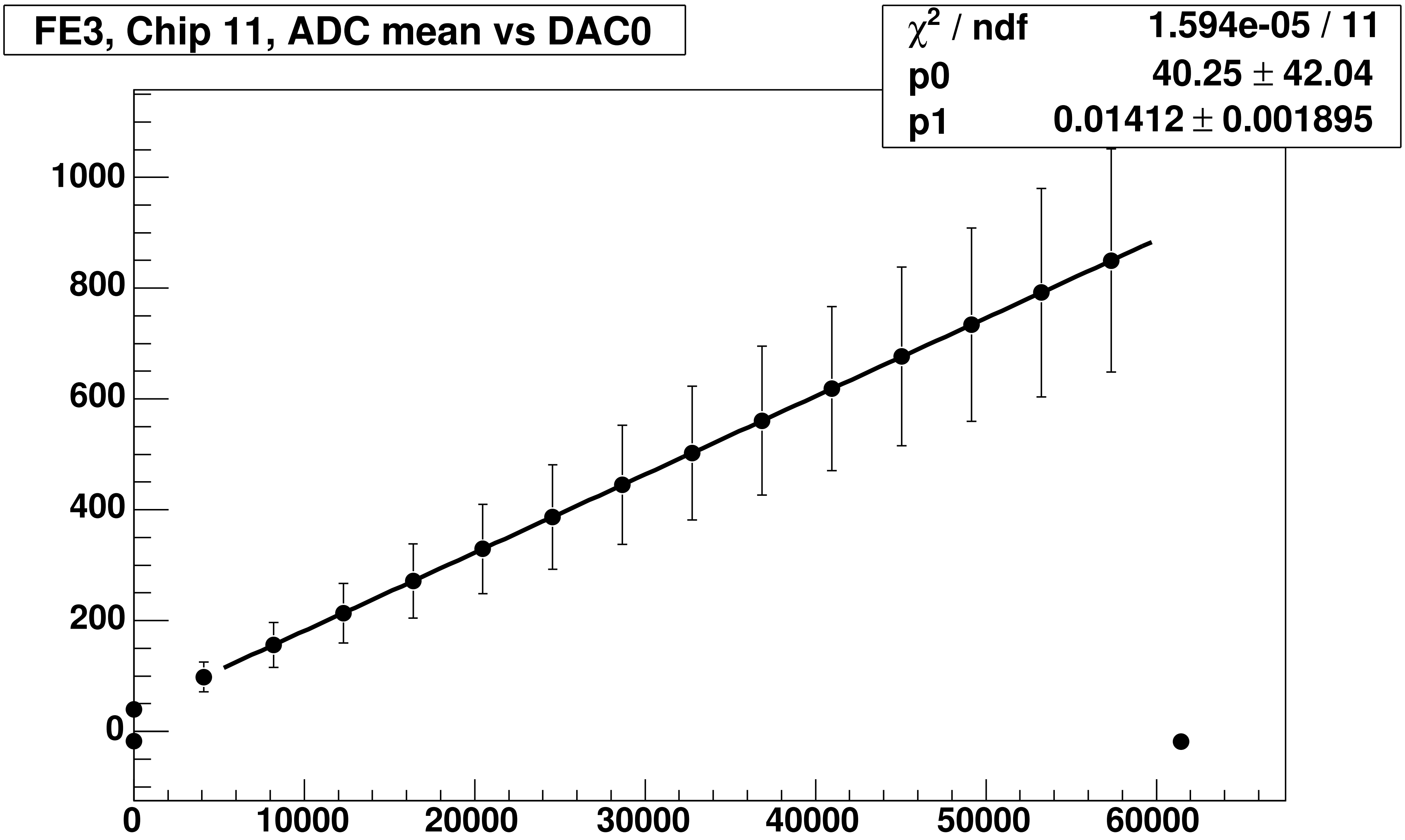

FE3, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

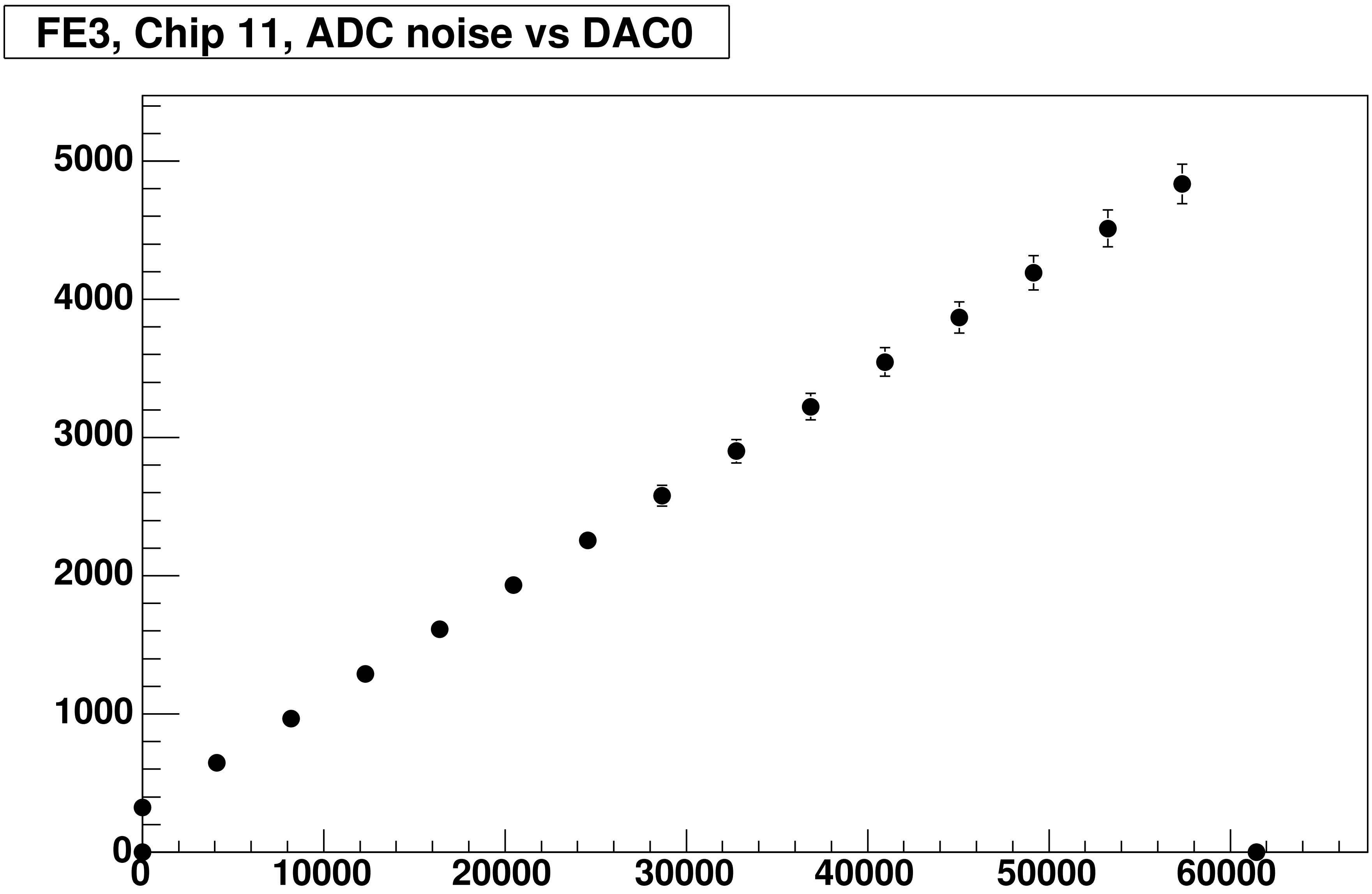

FE3, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

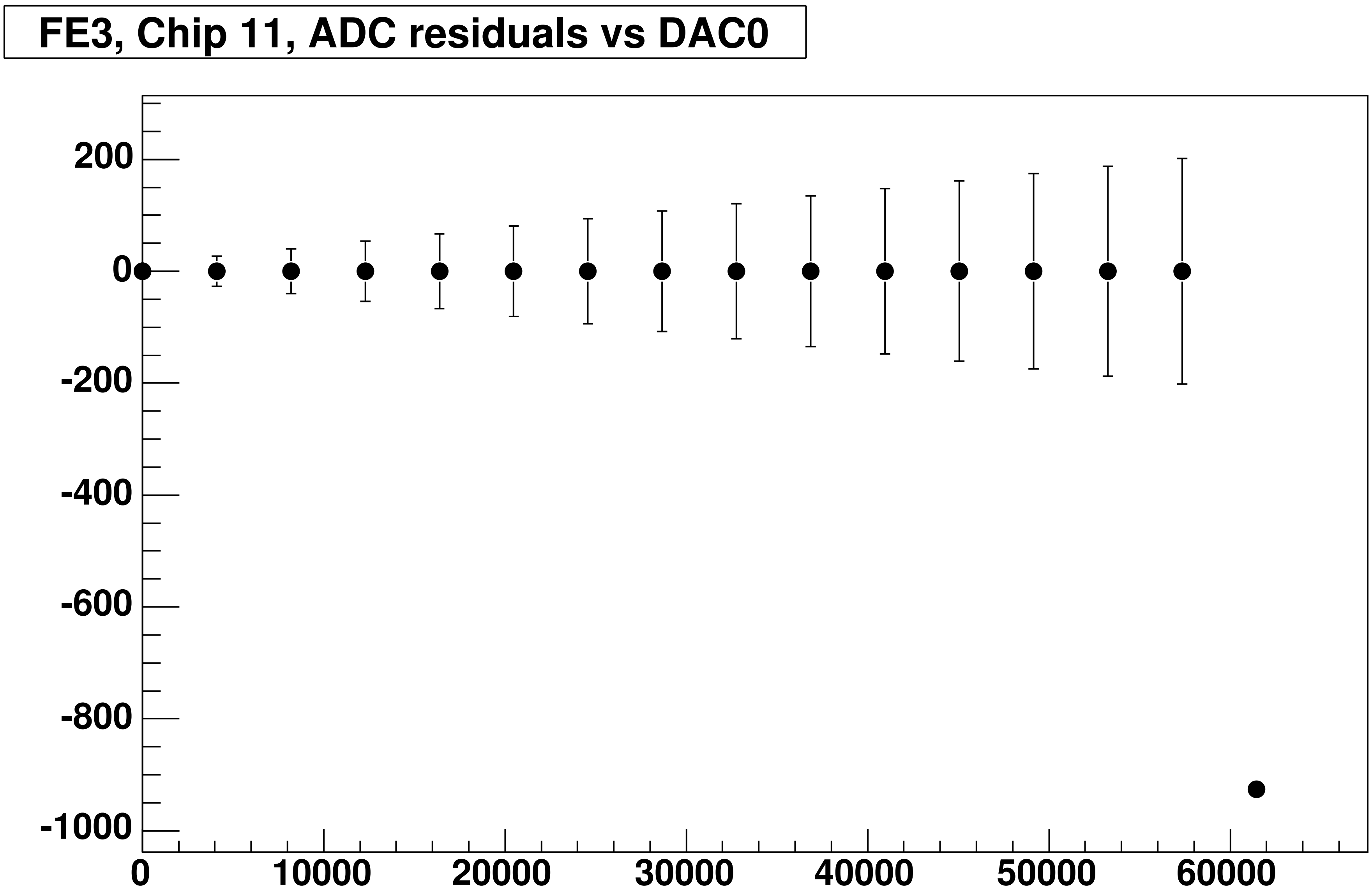

FE3, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0009789 / 11
p0 -19.51 ± 31.14
p1 0.4378 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

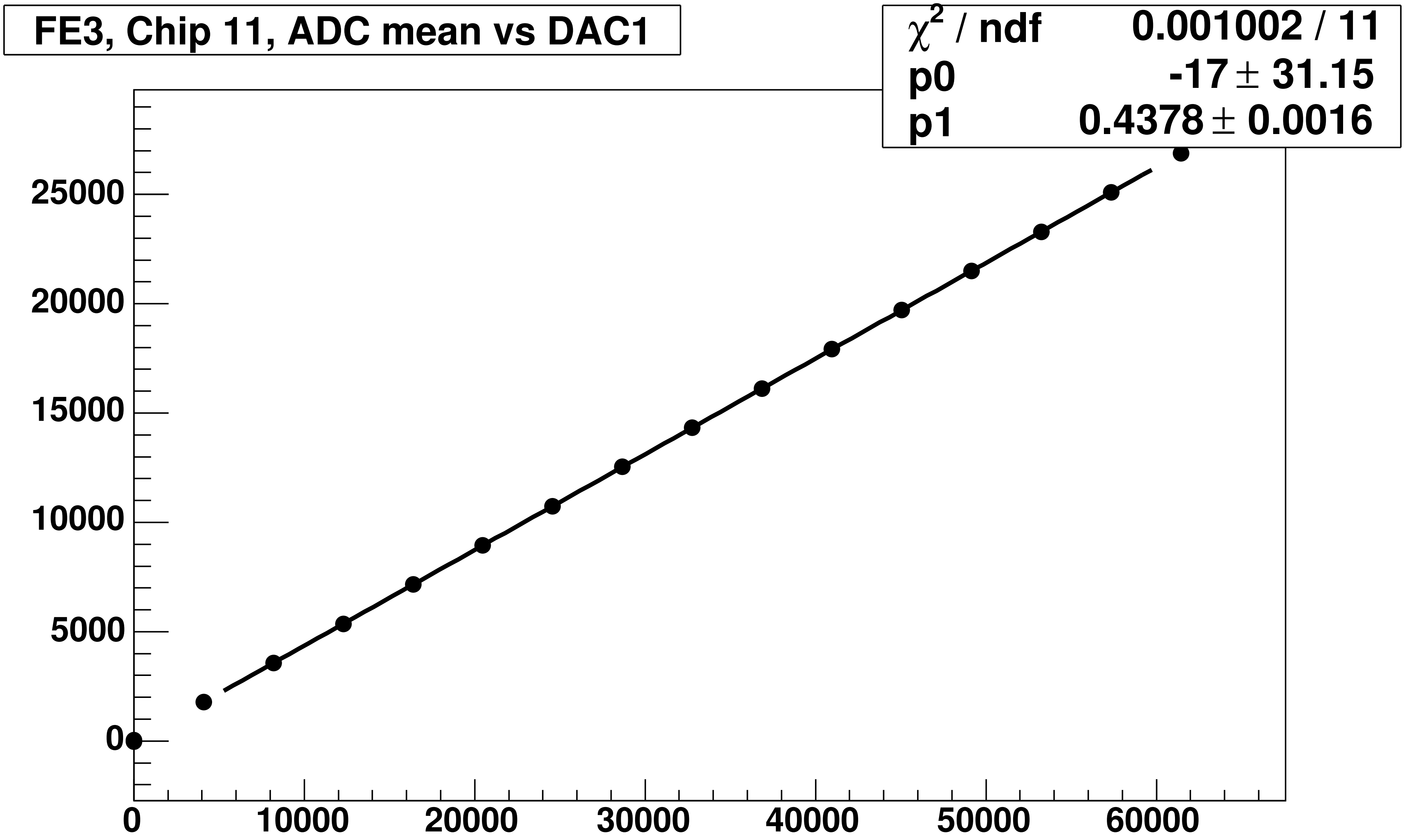

FE3, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

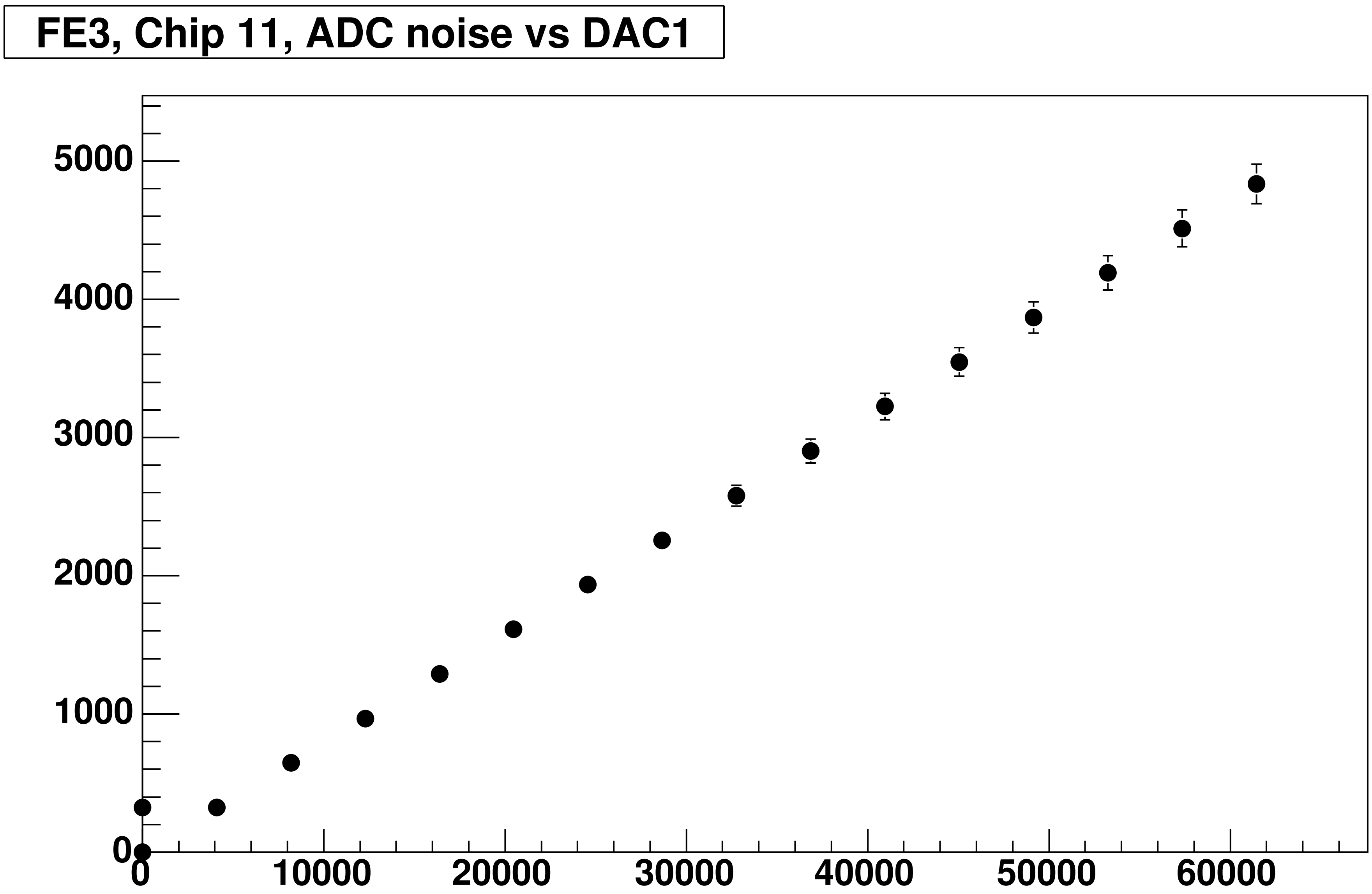

FE3, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

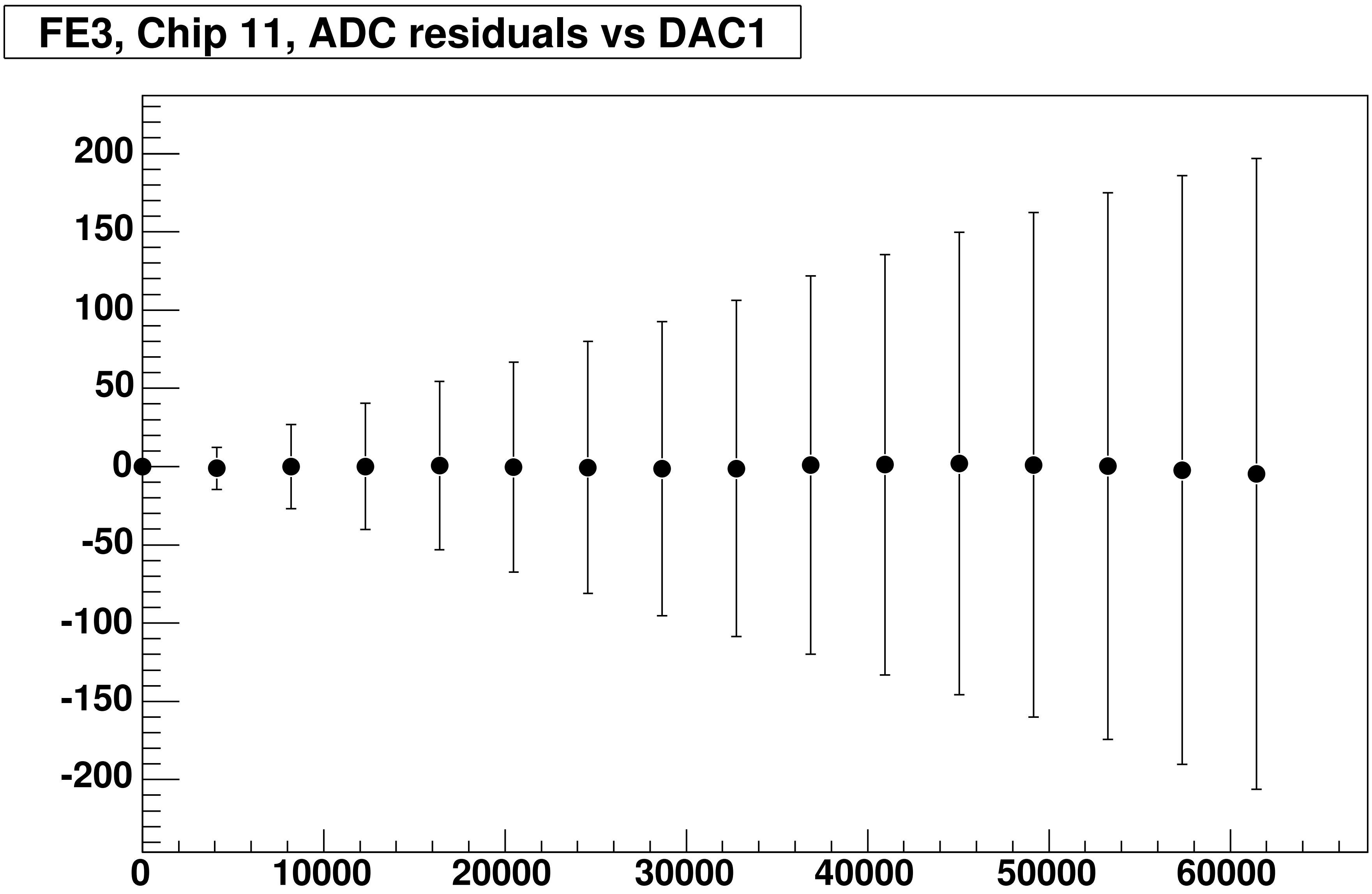

FE3, Chip 11, ADC mean vs DAC0
χ² / ndf 1.594e-05 / 11
p0 40.25 ± 42.04
p1 0.01412 ± 0.001895
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

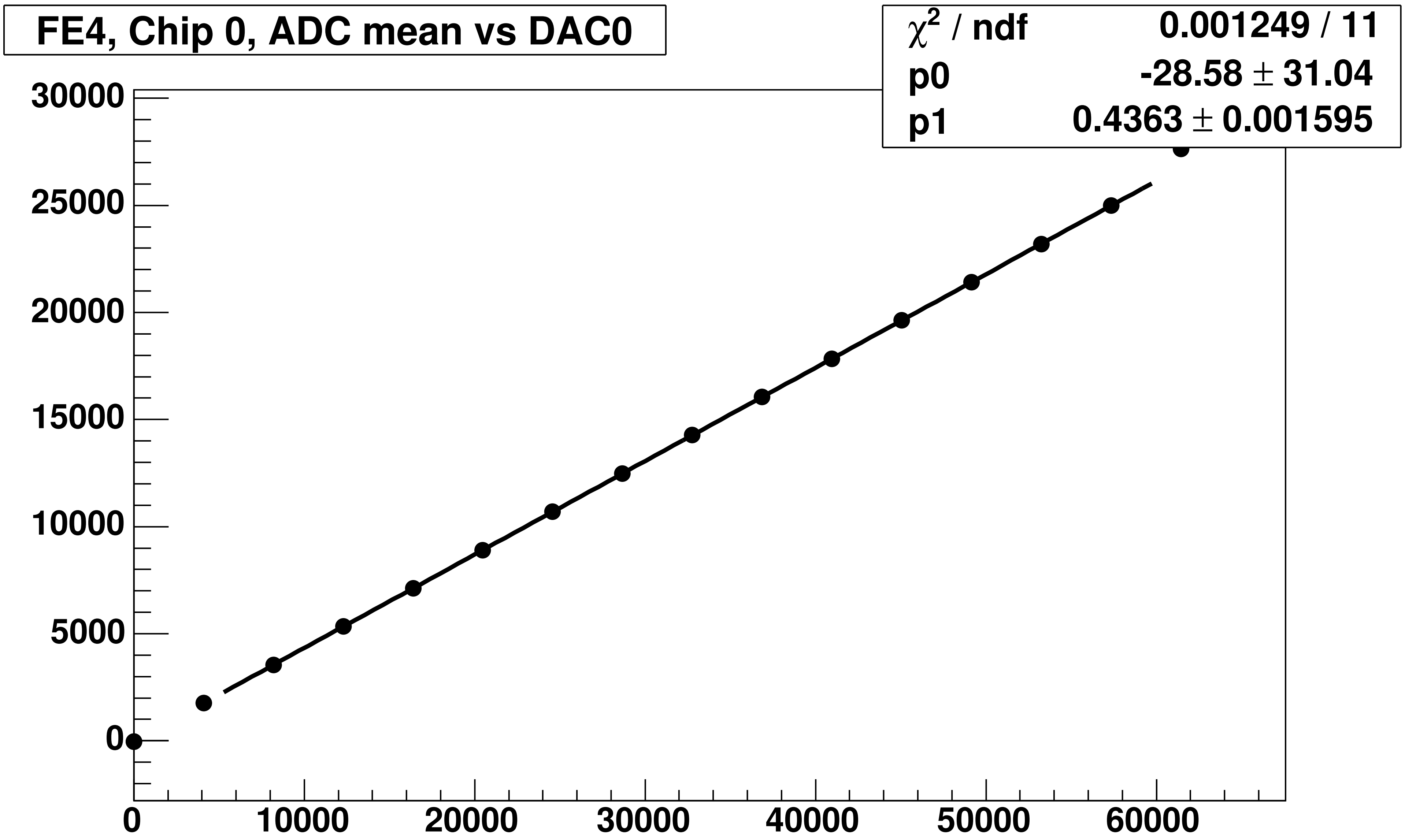

FE3, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000


FE3, Chip 11, ADC mean vs DAC1
χ² / ndf 0.001002 / 11
p0 -17 ± 31.15
p1 0.4378 ± 0.0016
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

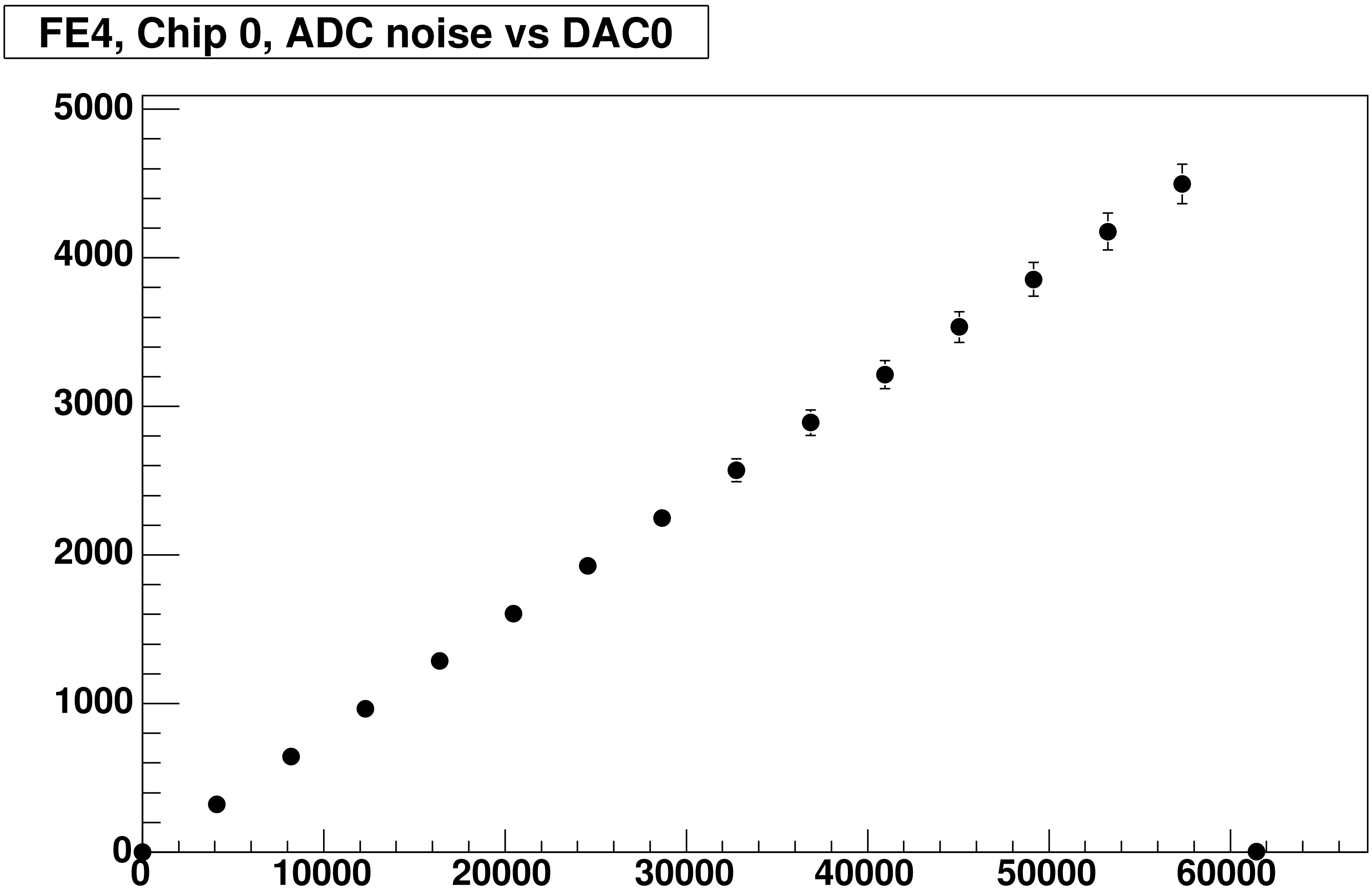

FE3, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000



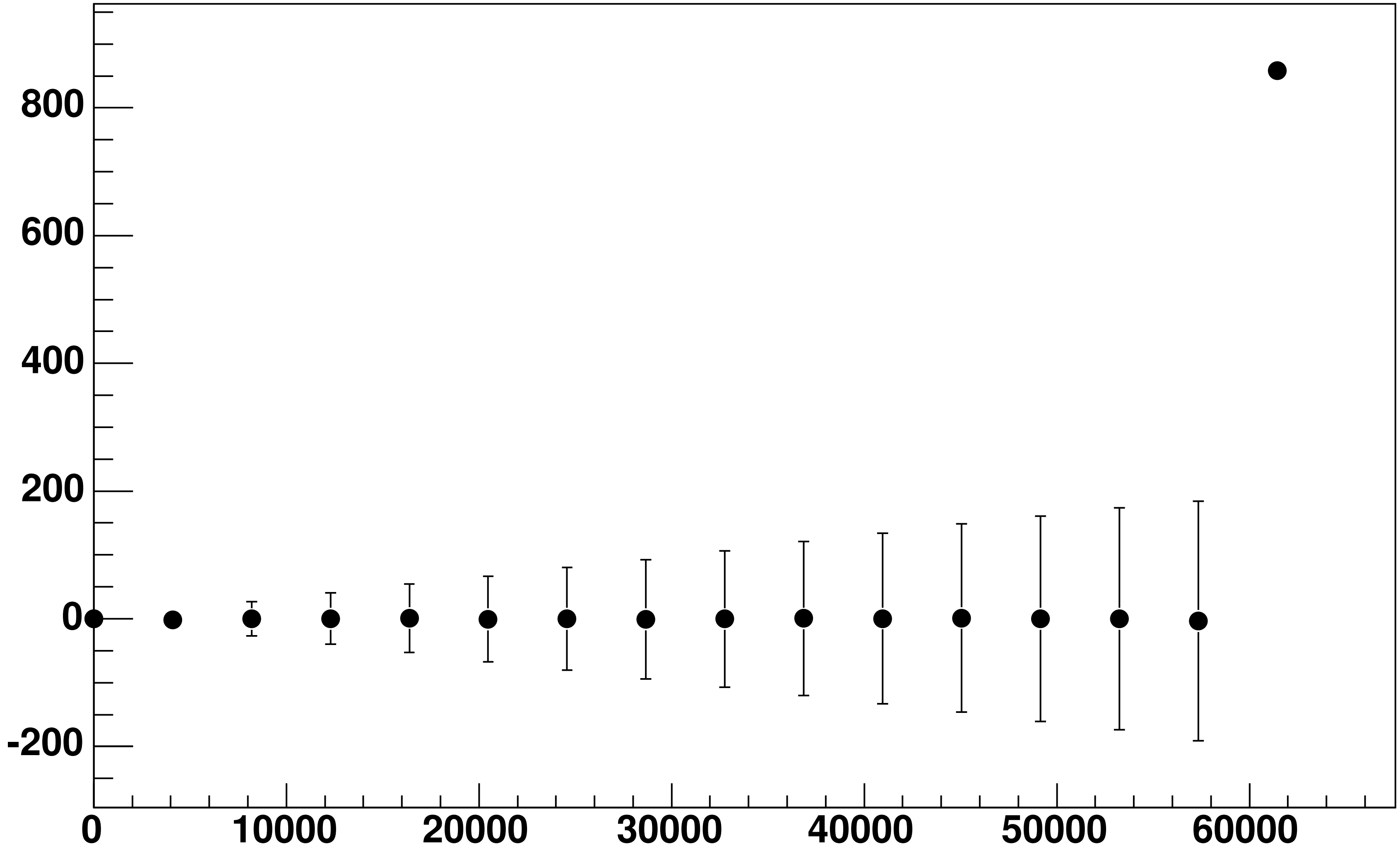
FE3, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

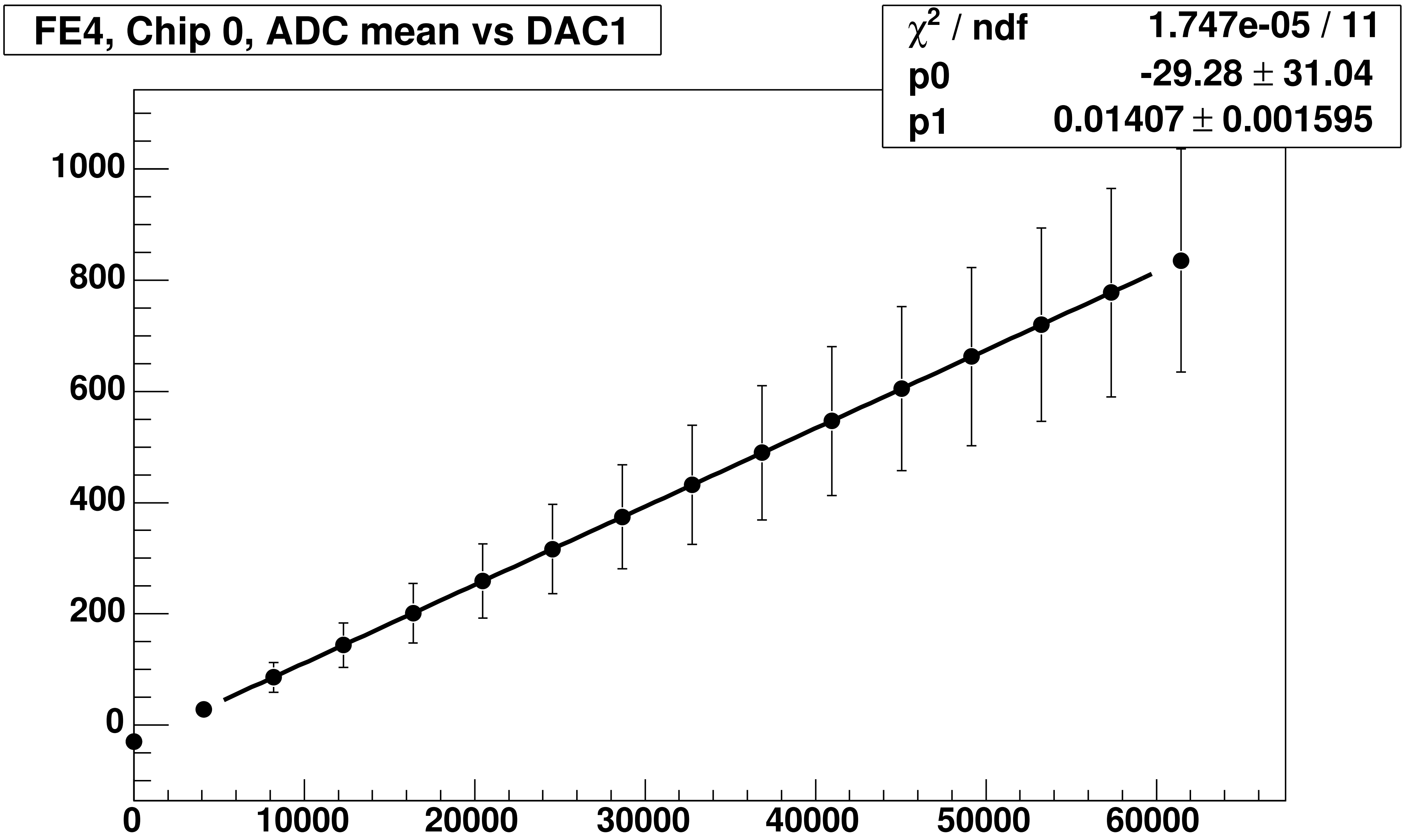


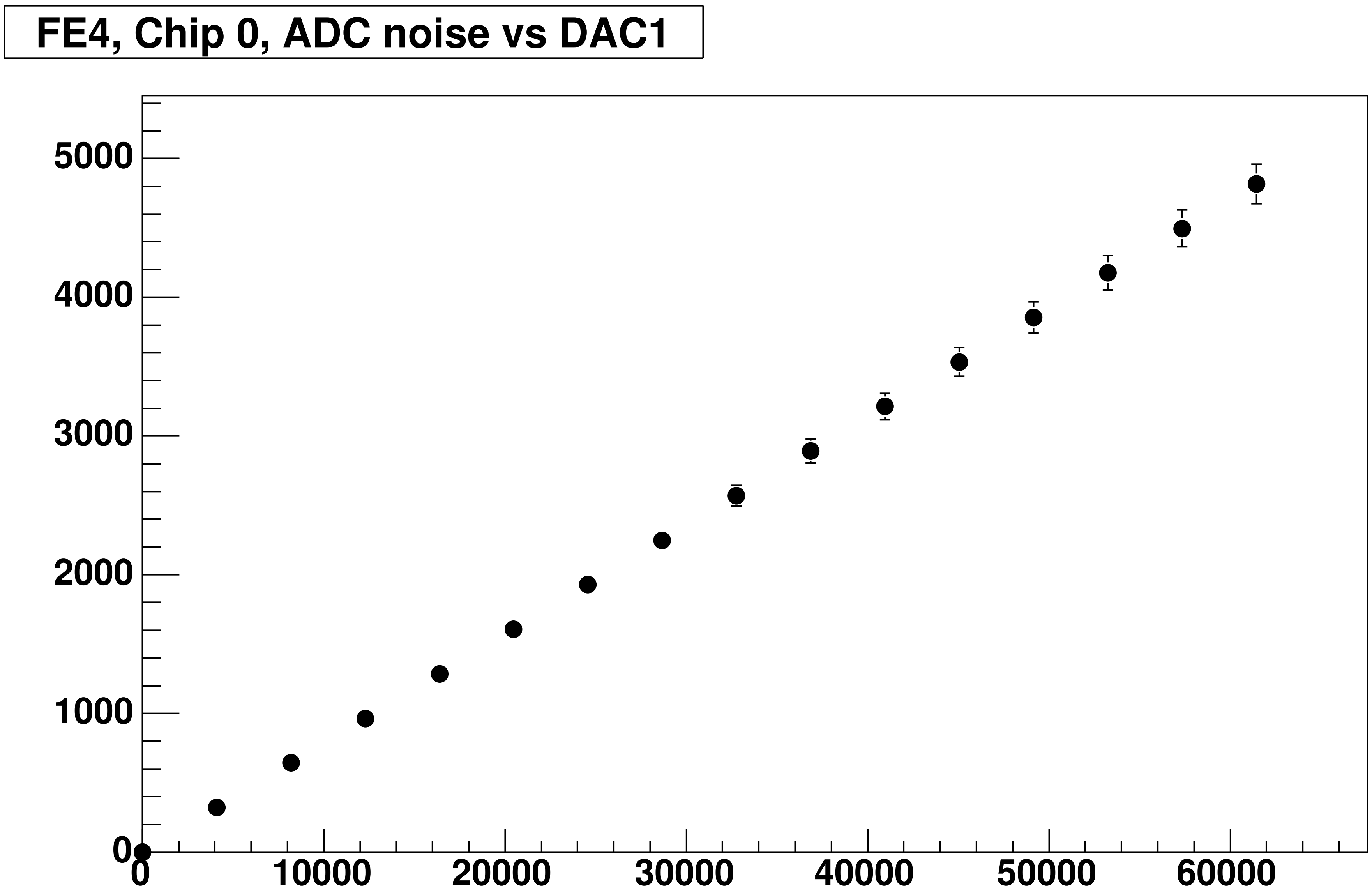
FE4, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001249 / 11
p0 -28.58 ± 31.04
p1 0.4363 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

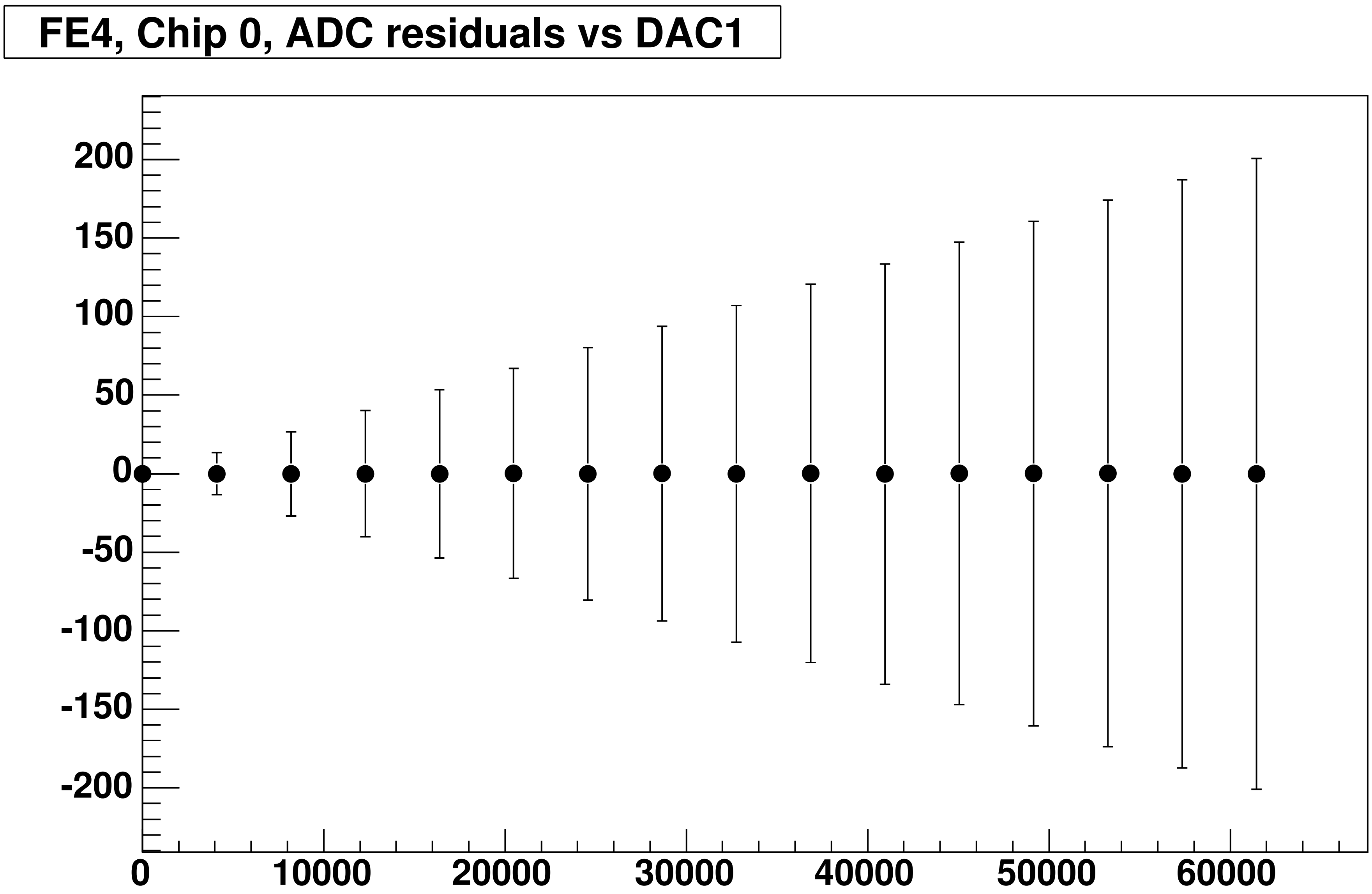

FE4, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

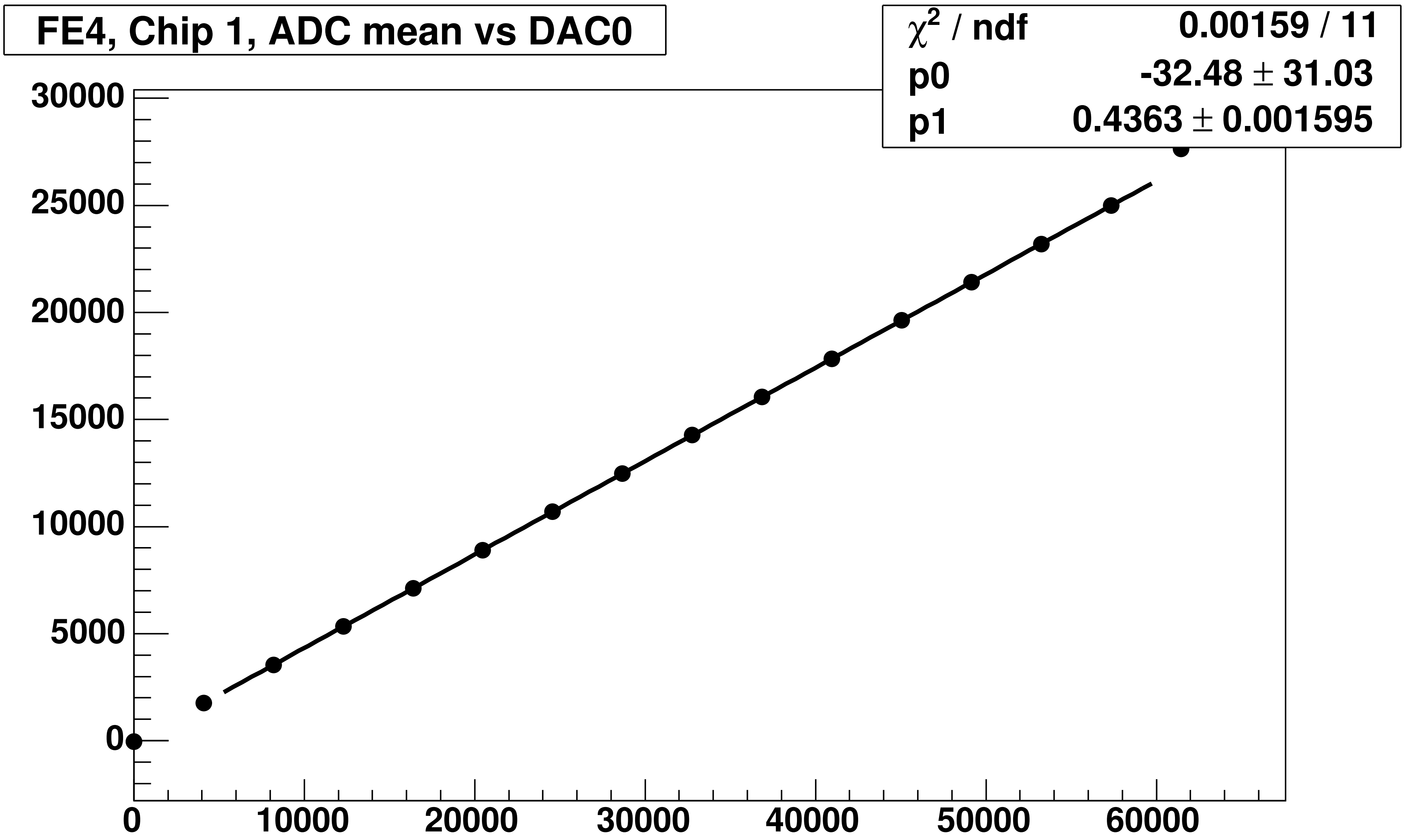
FE4, Chip 0, ADC residuals vs DAC0

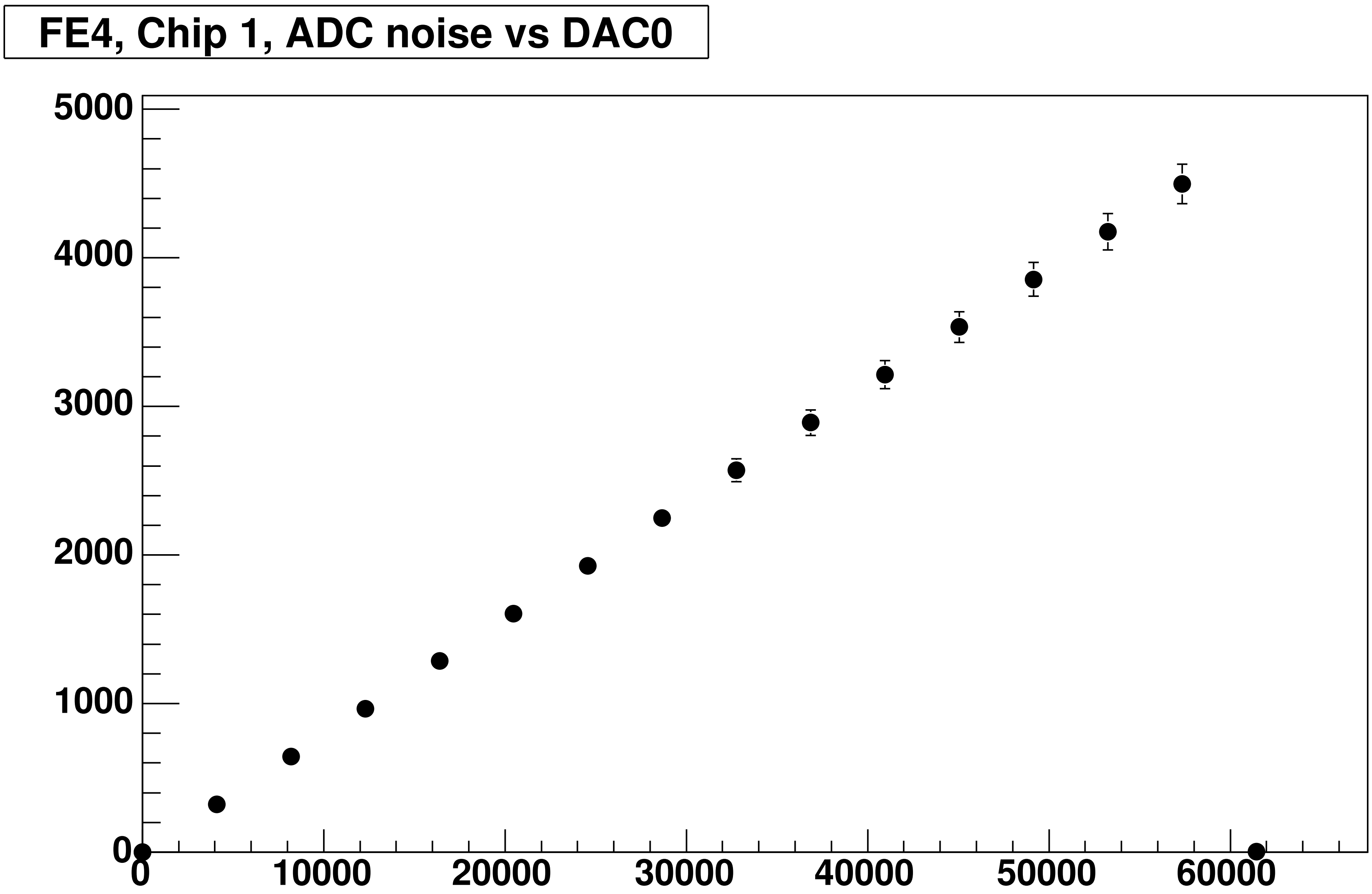



FE4, Chip 0, ADC mean vs DAC1
χ^2 / ndf 1.747e-05 / 11
p0 -29.28 ± 31.04
p1 0.01407 ± 0.001595
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

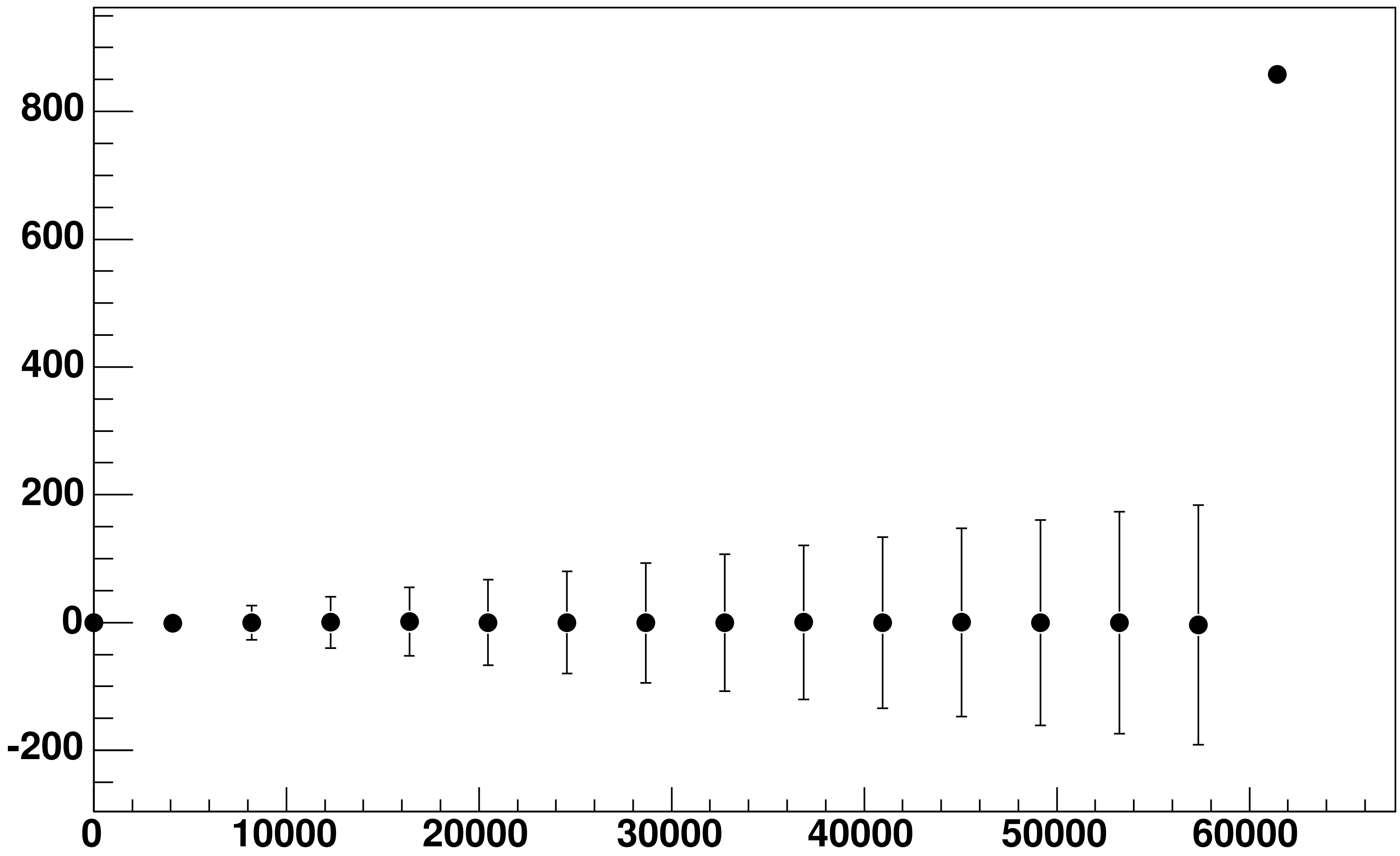

FE4, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

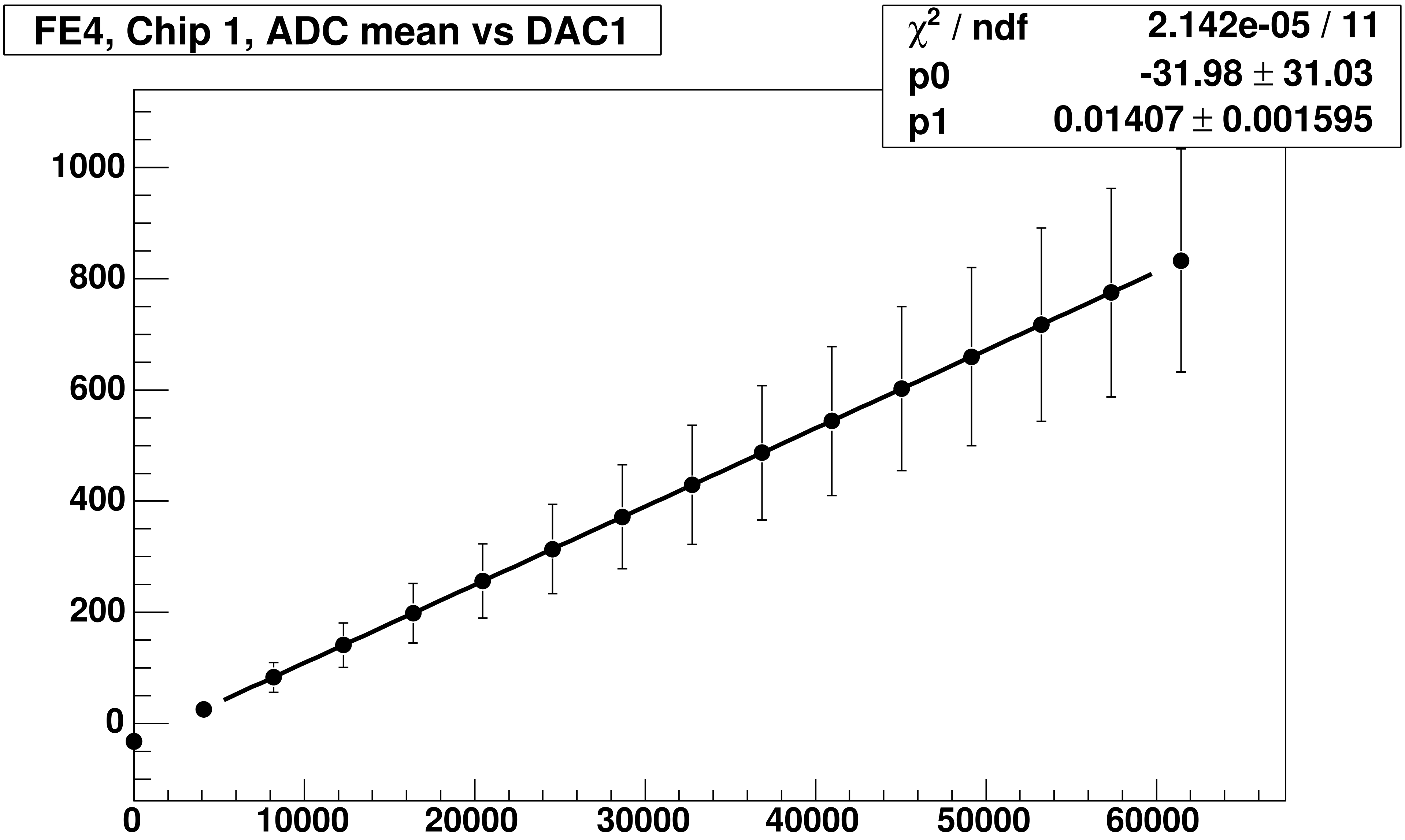

FE4, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 1, ADC mean vs DAC0
χ2 / ndf 0.00159 / 11
p0 -32.48 ± 31.03
p1 0.4363 ± 0.001595
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

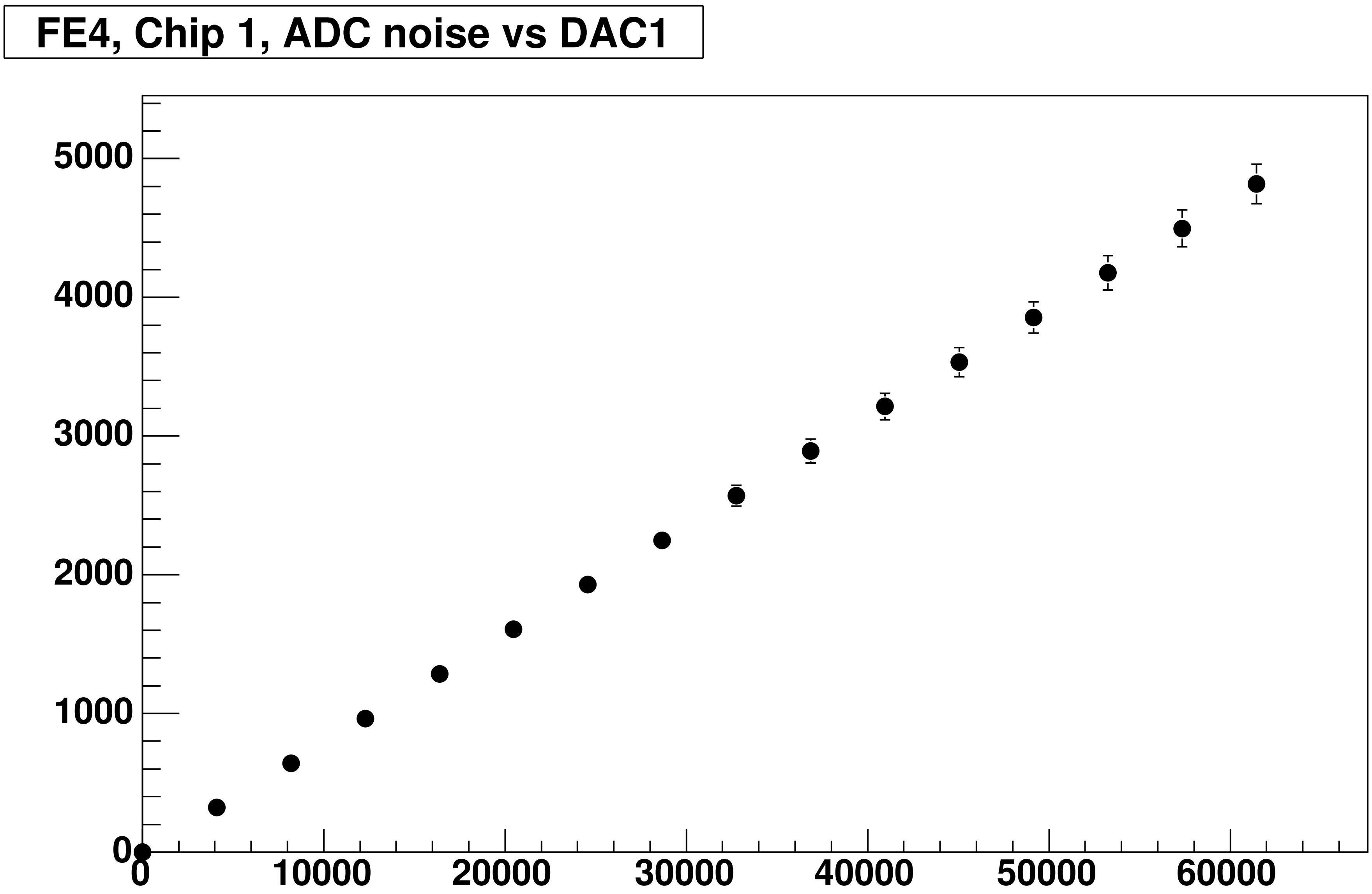

FE4, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

FE4, Chip 1, ADC residuals vs DAC0

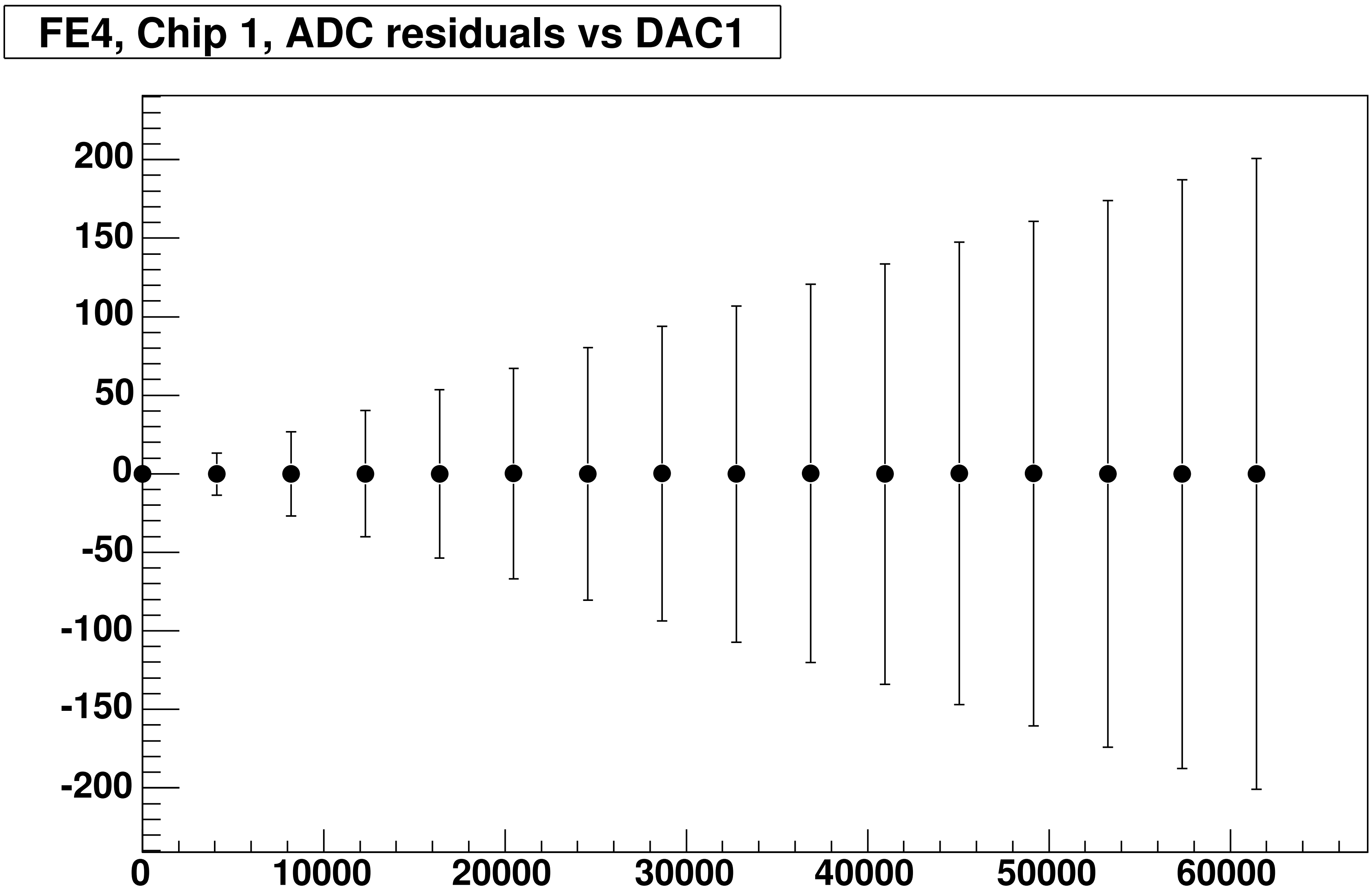




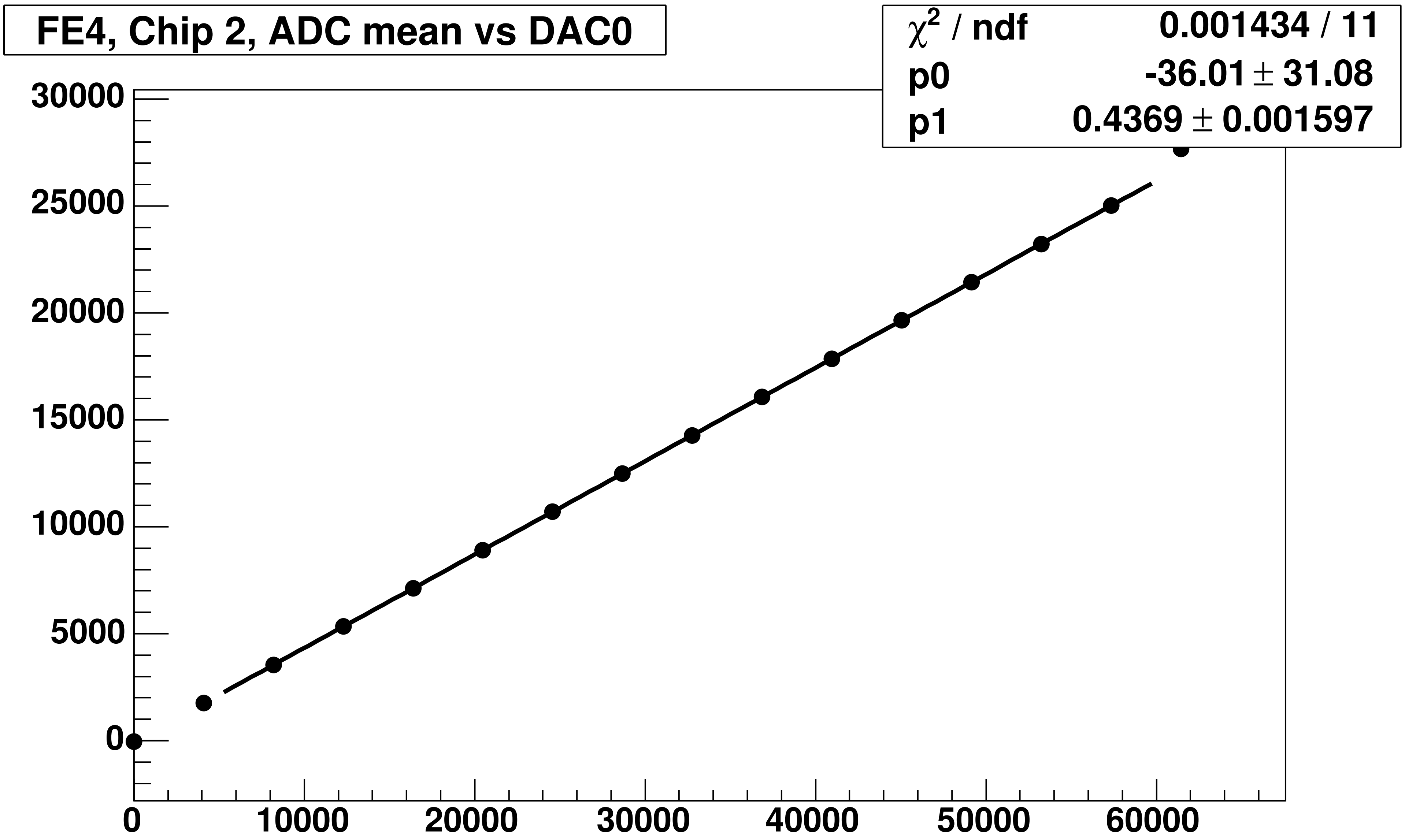
FE4, Chip 1, ADC mean vs DAC1
χ^2 / ndf 2.142e-05 / 11
p0 -31.98 ± 31.03
p1 0.01407 ± 0.001595
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

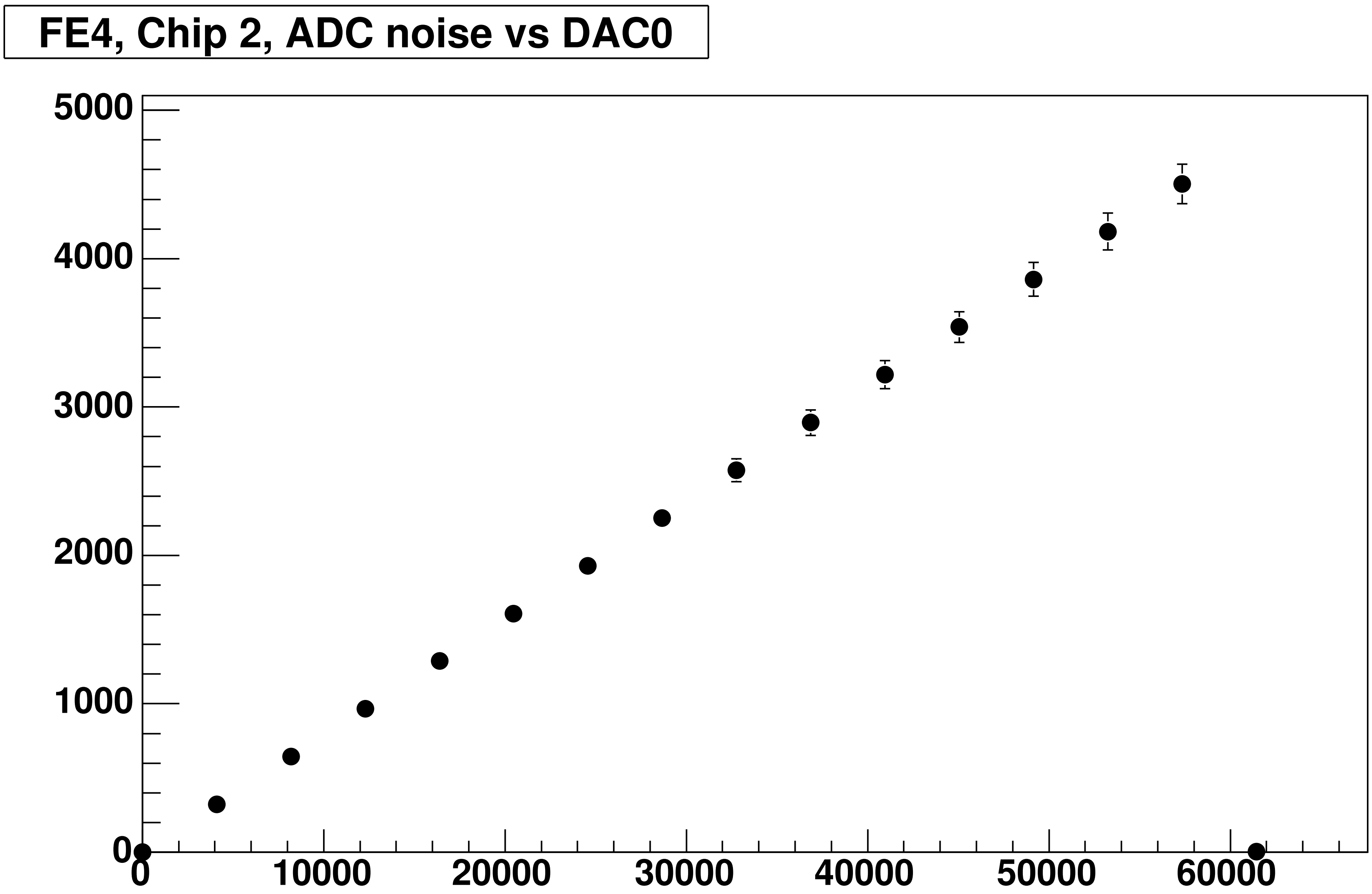


FE4, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

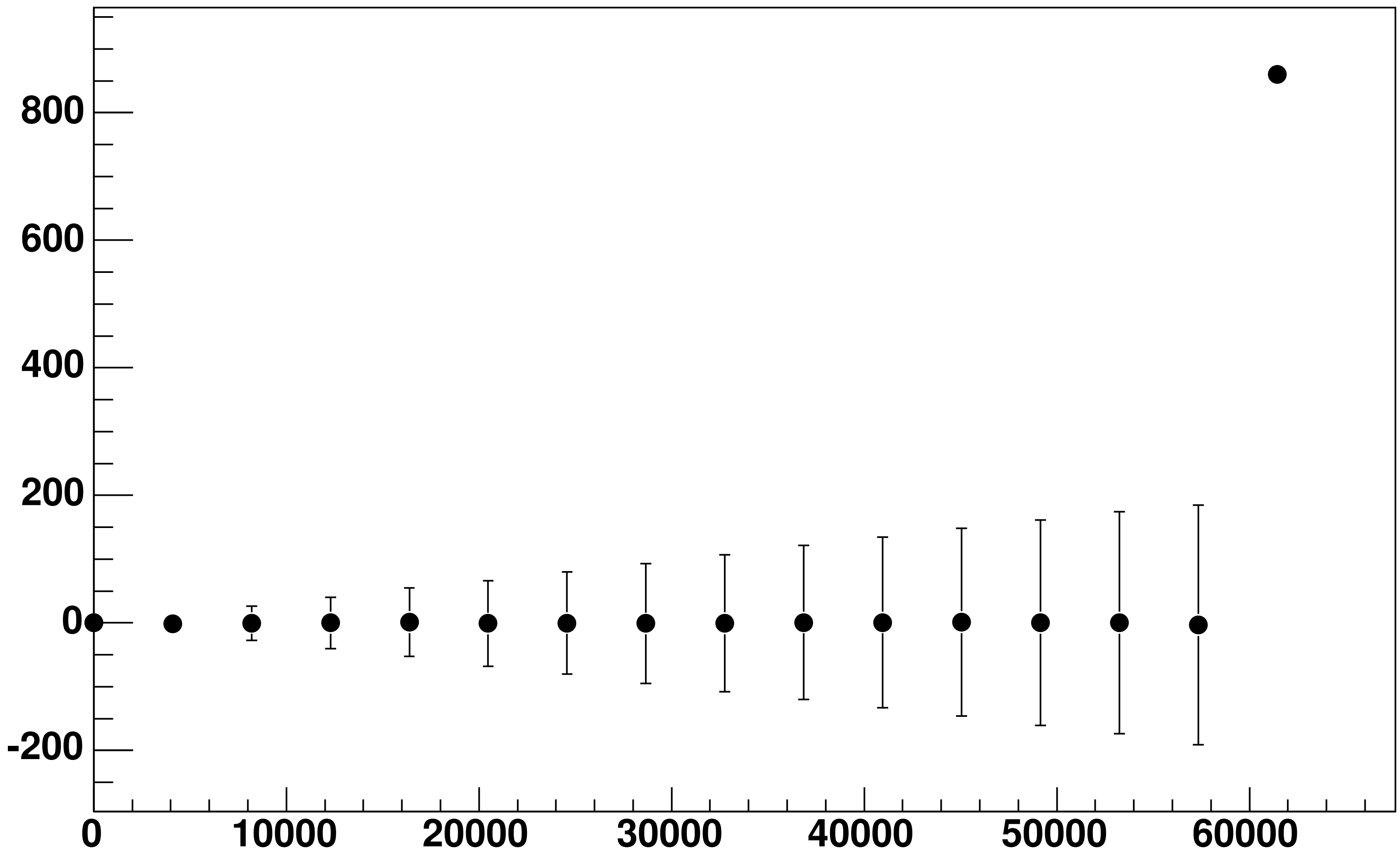


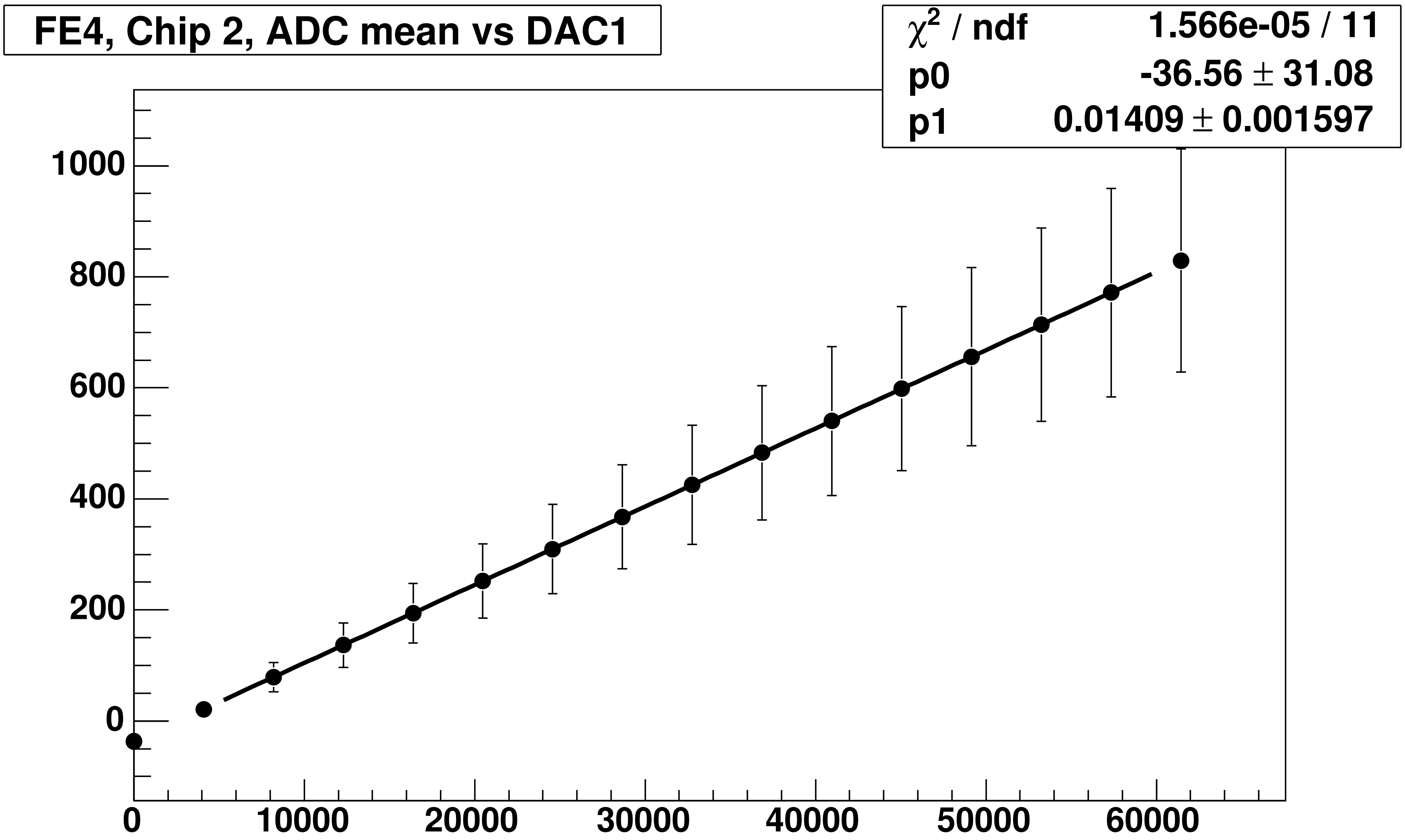
FE4, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

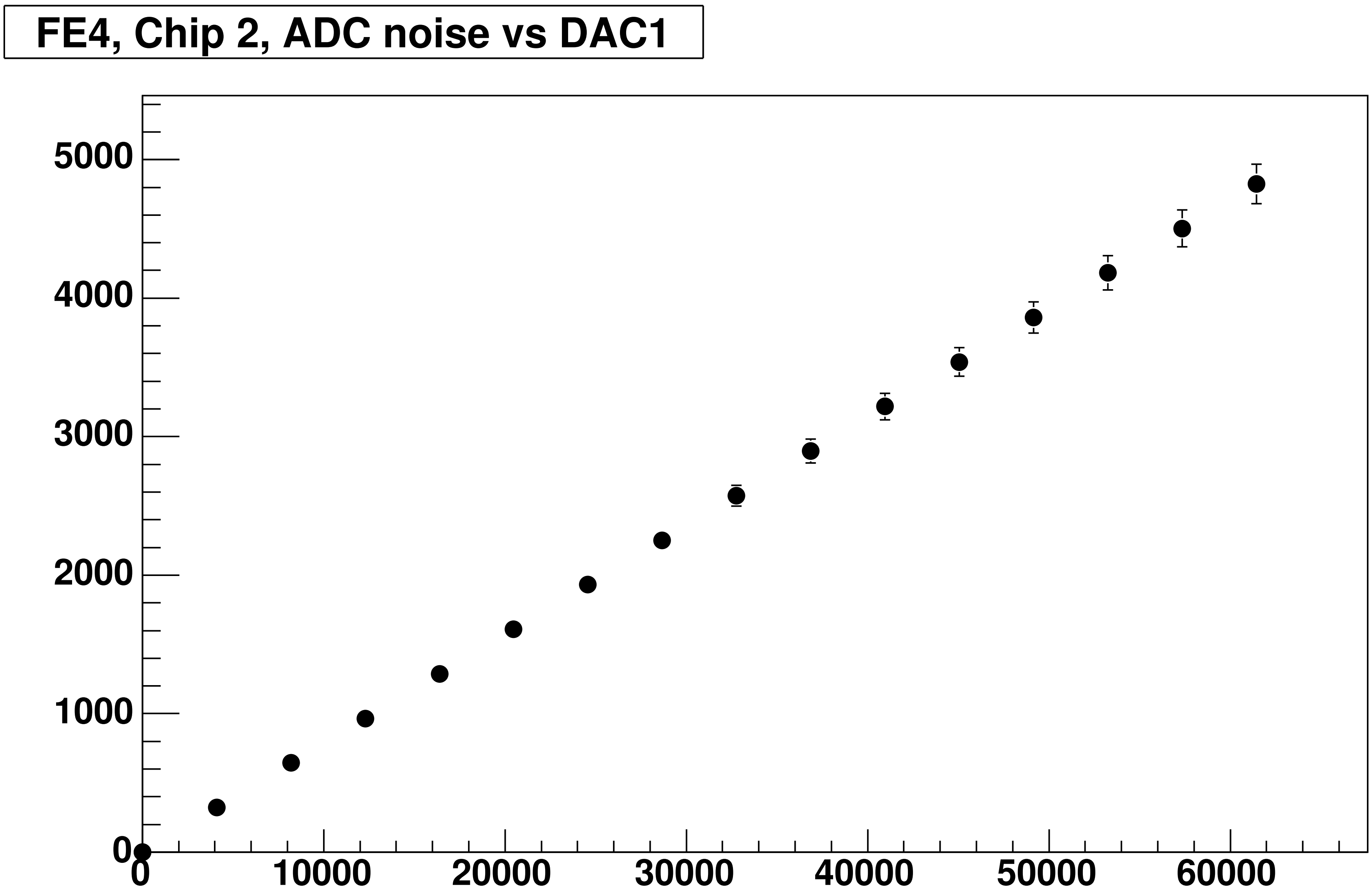

FE4, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001434 / 11
p0 -36.01 ± 31.08
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

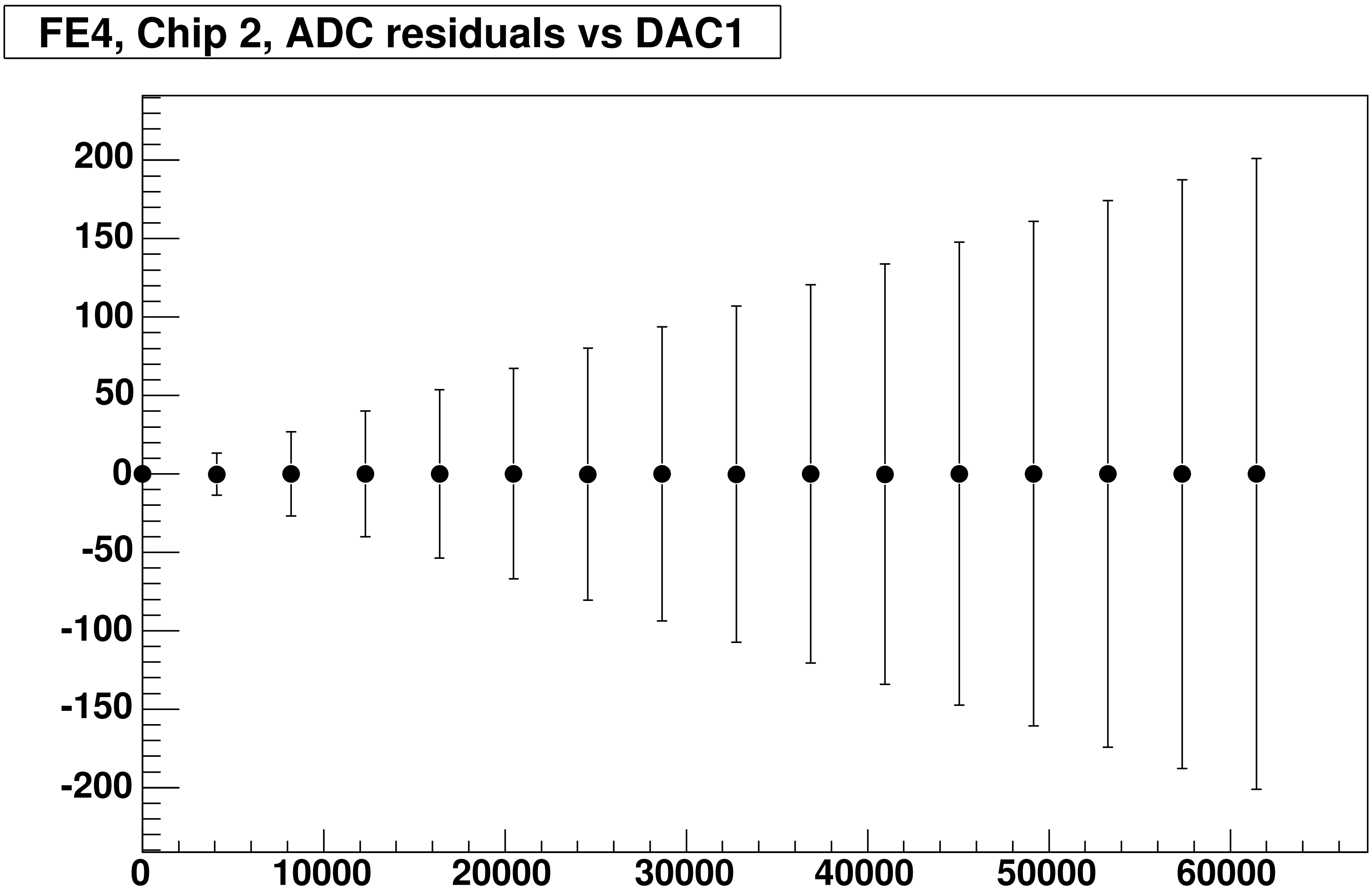
FE4, Chip 2, ADC residuals vs DAC0

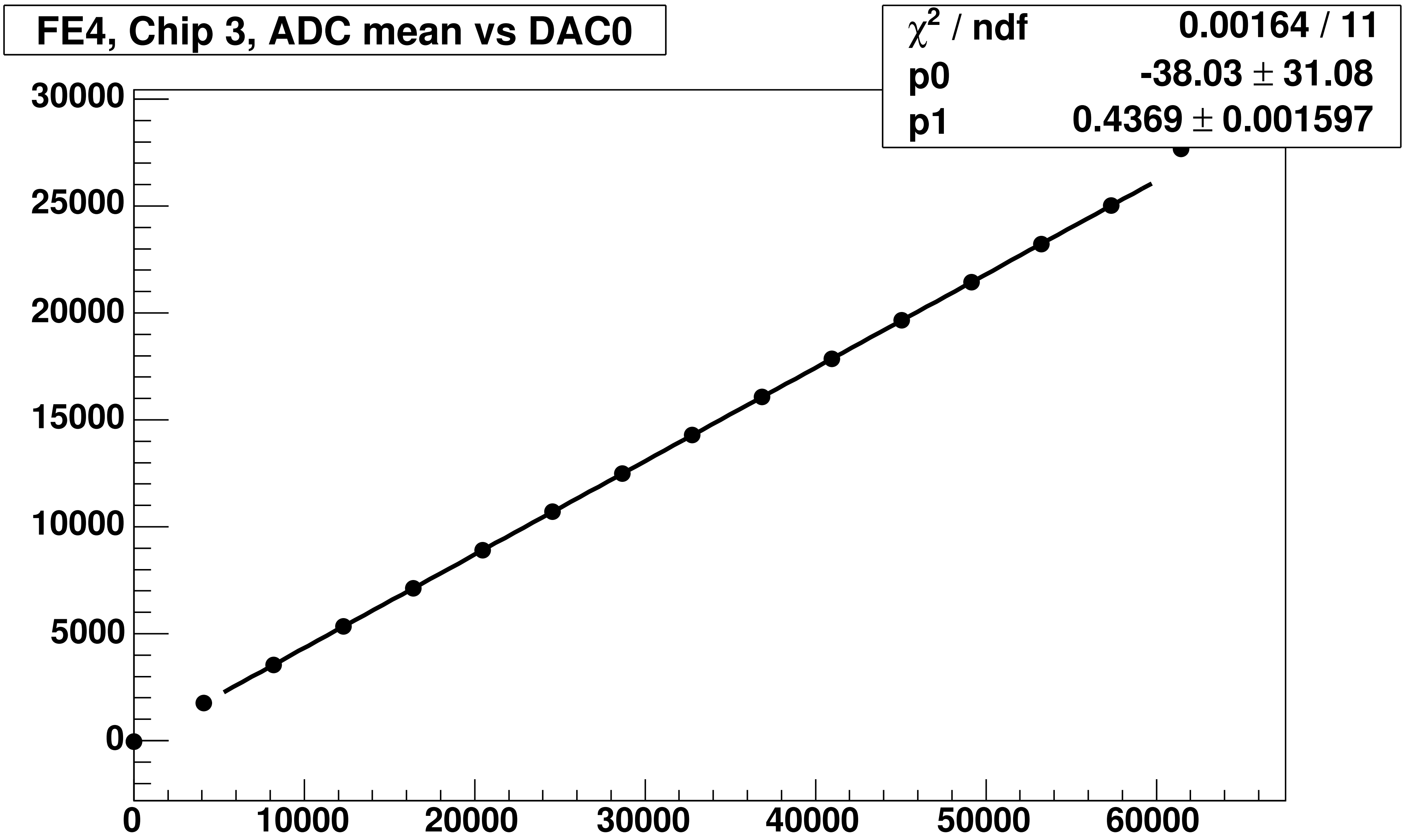


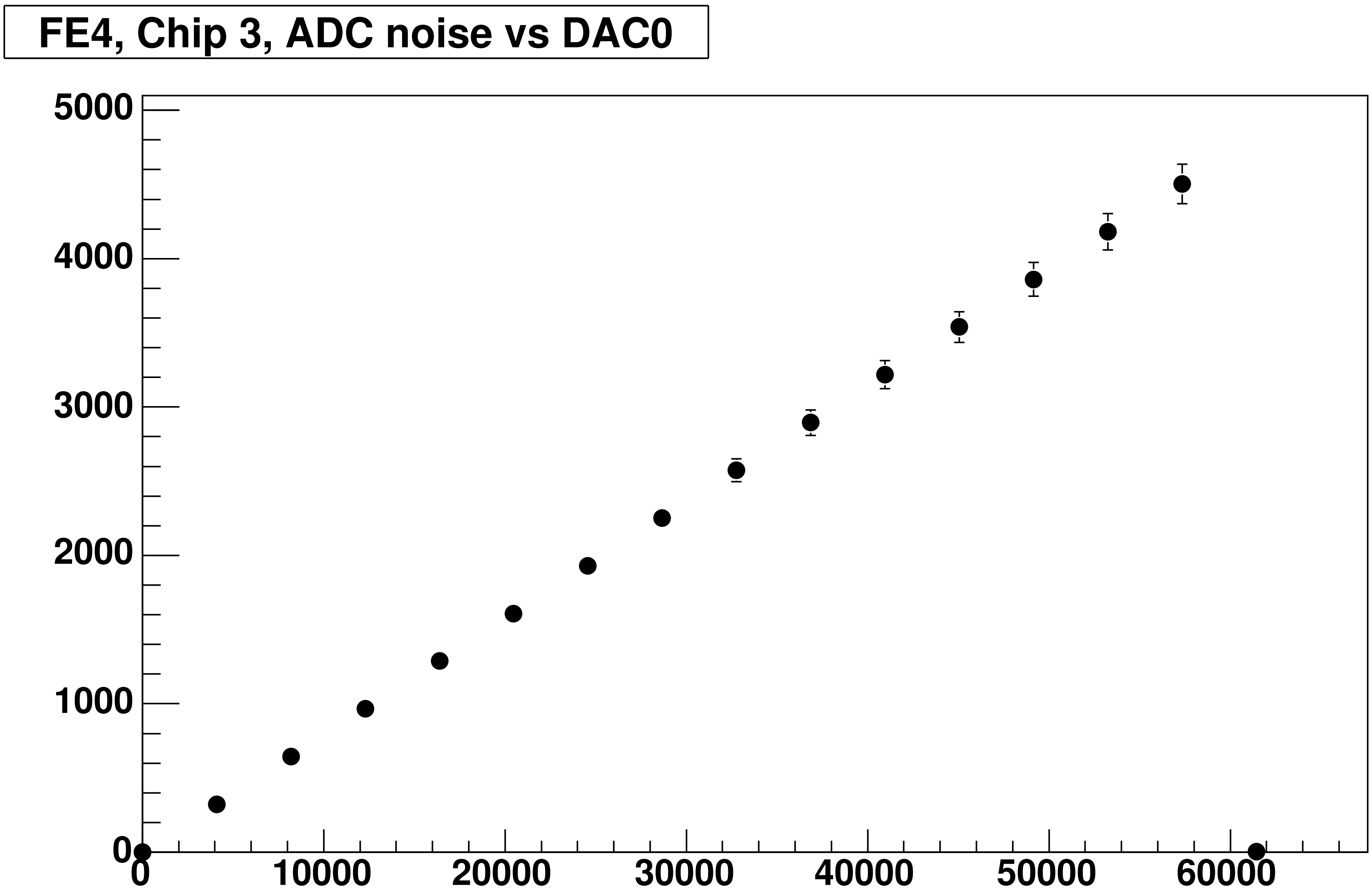

FE4, Chip 2, ADC mean vs DAC1
χ² / ndf 1.566e-05 / 11
p0 -36.56 ± 31.08
p1 0.01409 ± 0.001597
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



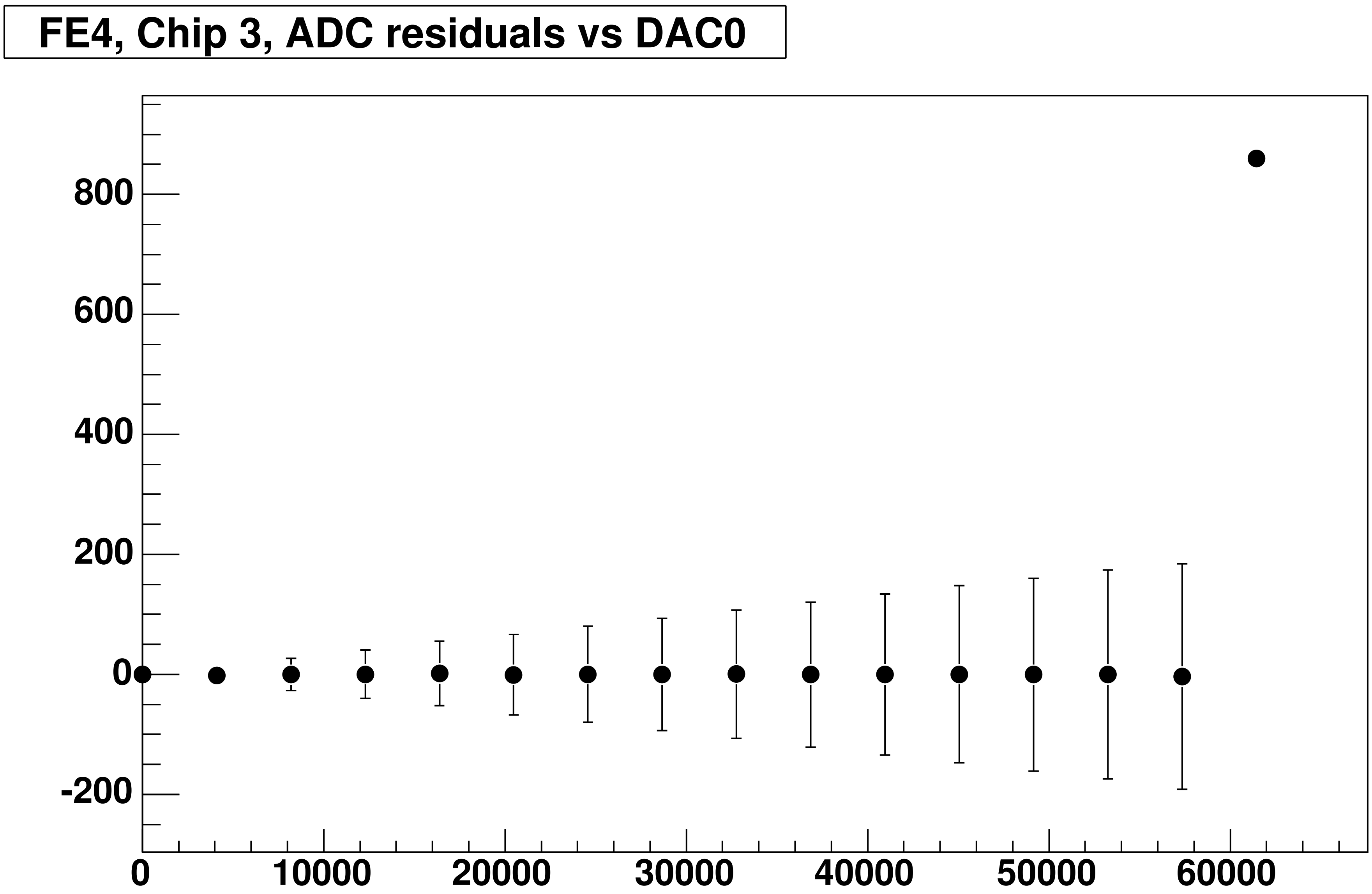
FE4, Chip 2, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

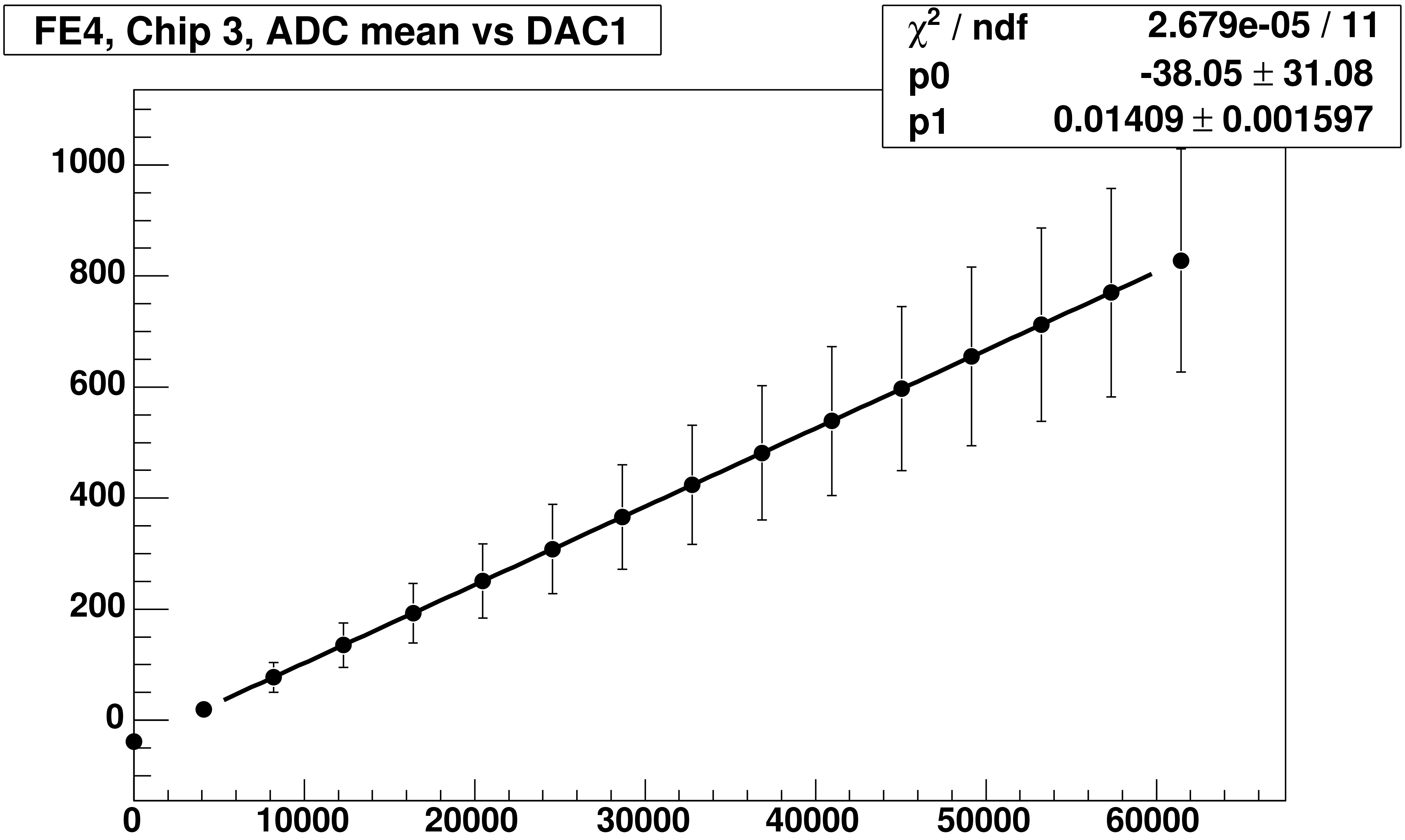

FE4, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

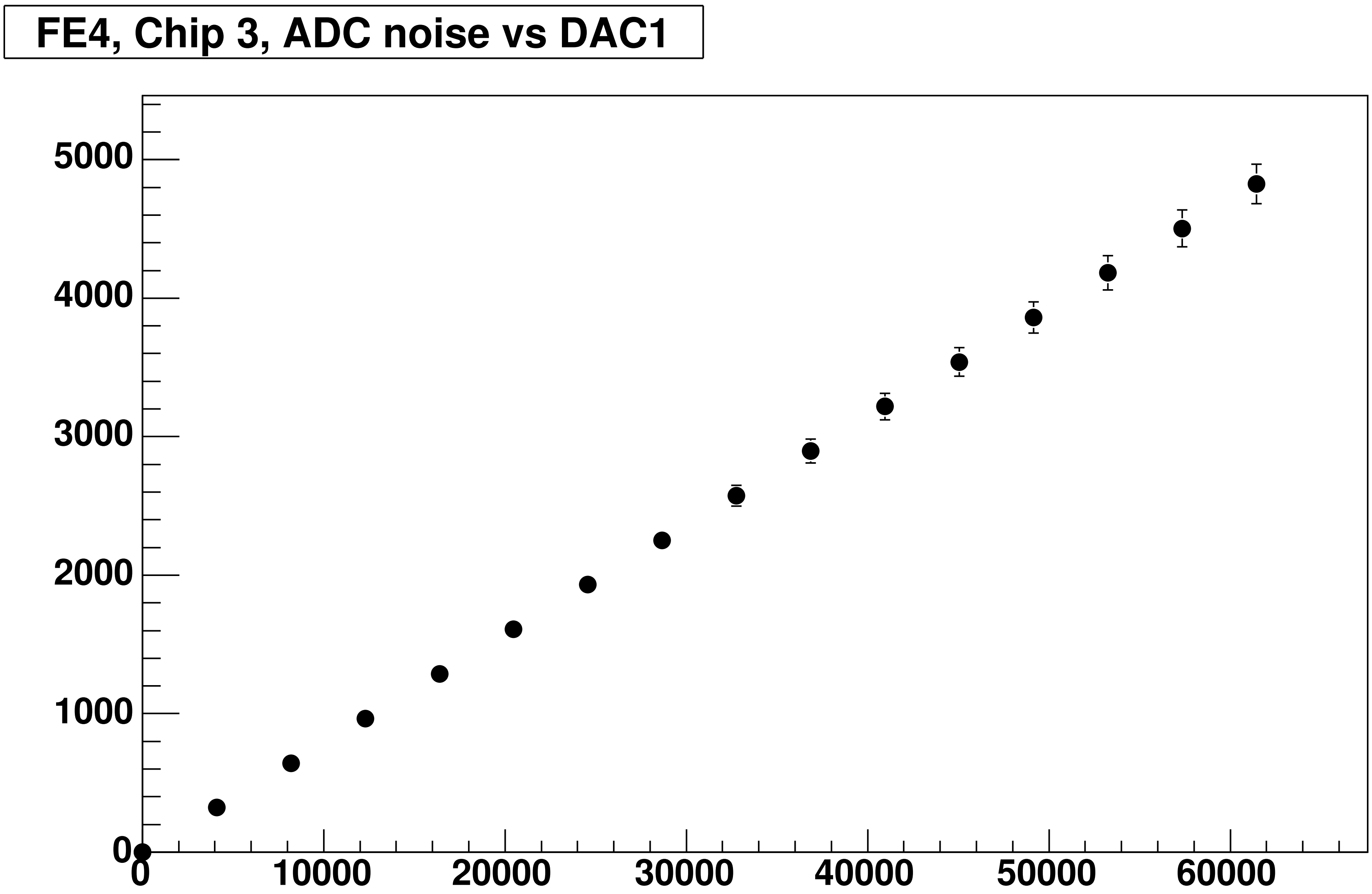

FE4, Chip 3, ADC mean vs DAC0
χ² / ndf 0.00164 / 11
p0 -38.03 ± 31.08
p1 0.4369 ± 0.001597
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

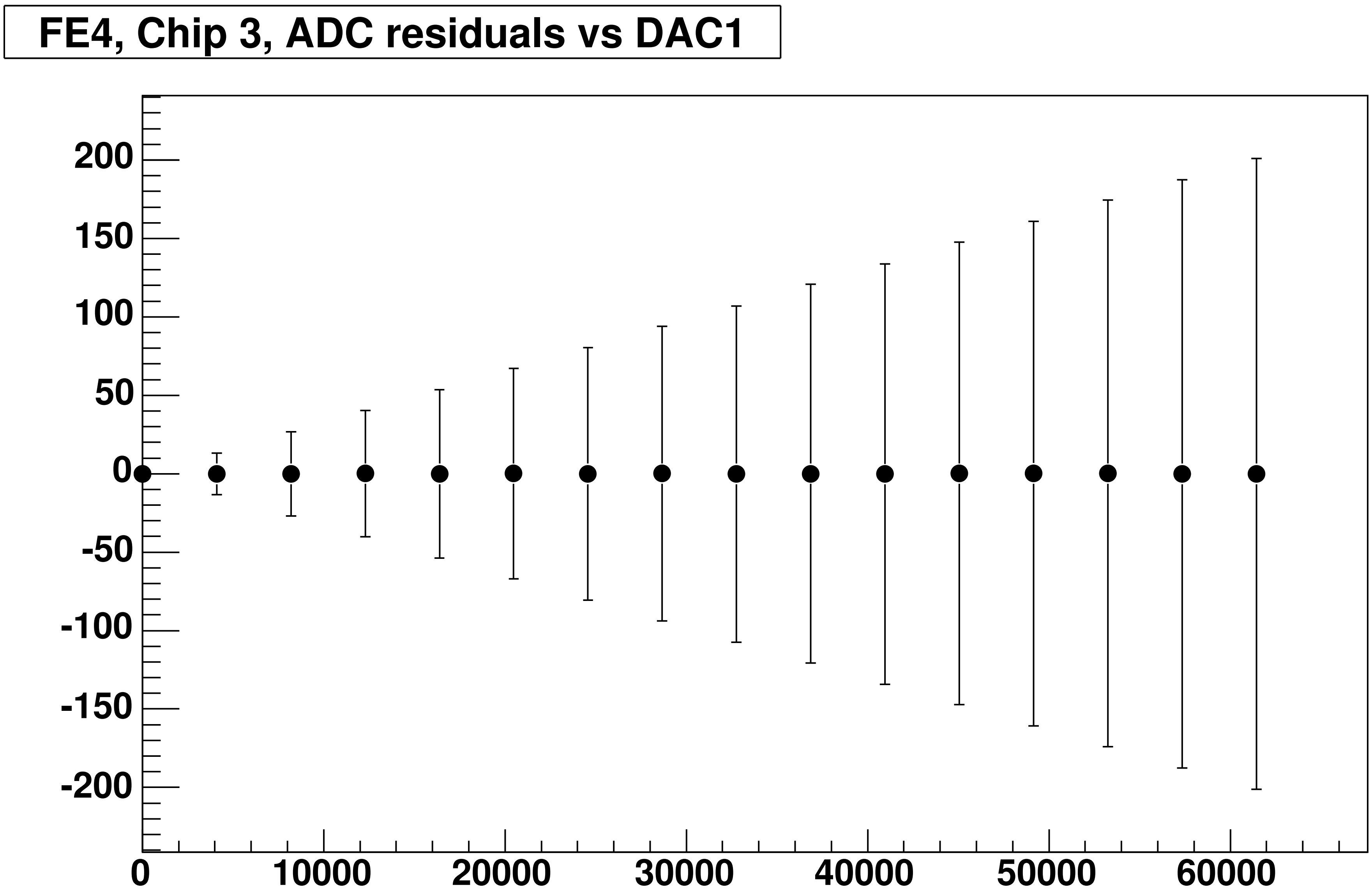


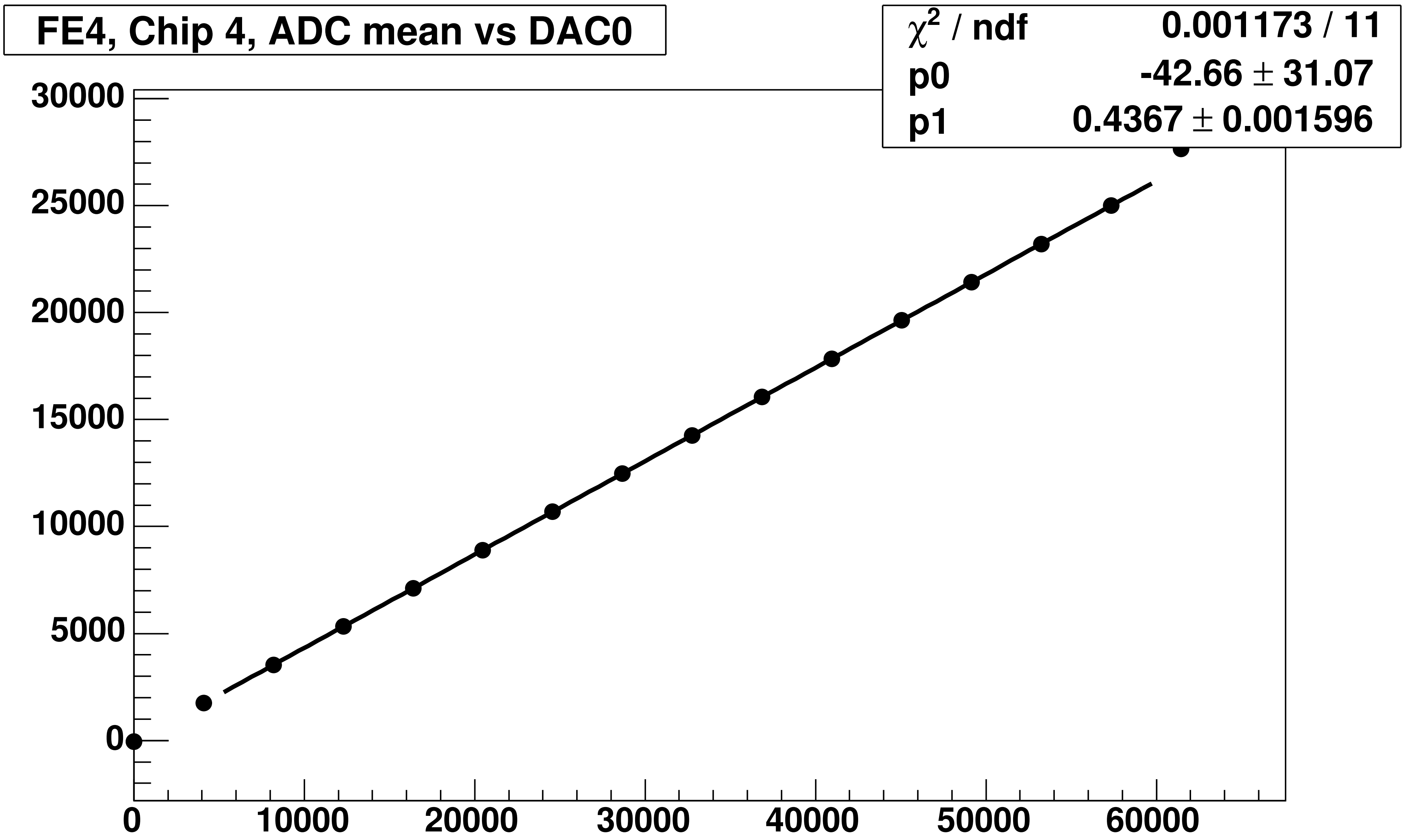
FE4, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

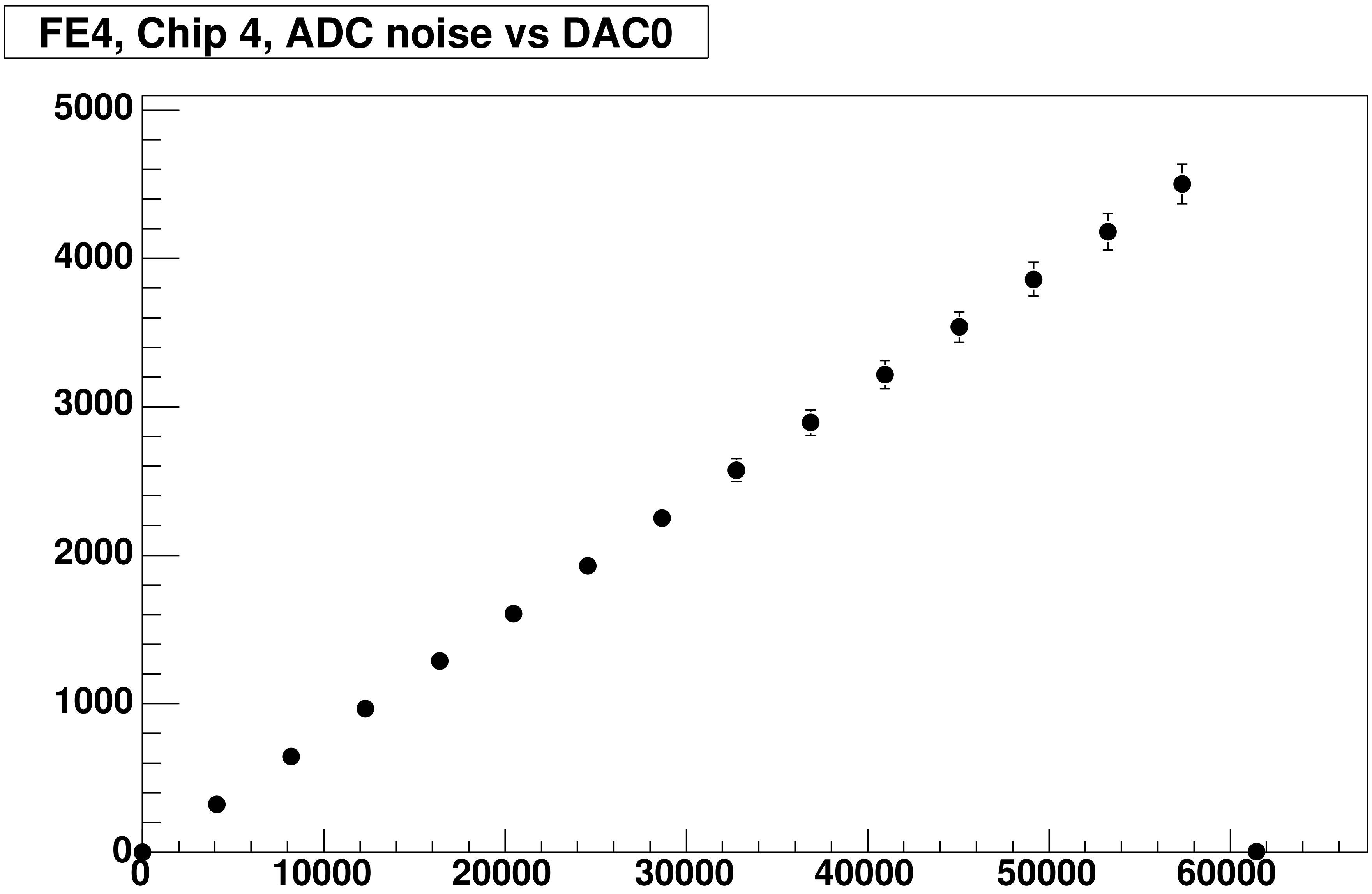

FE4, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

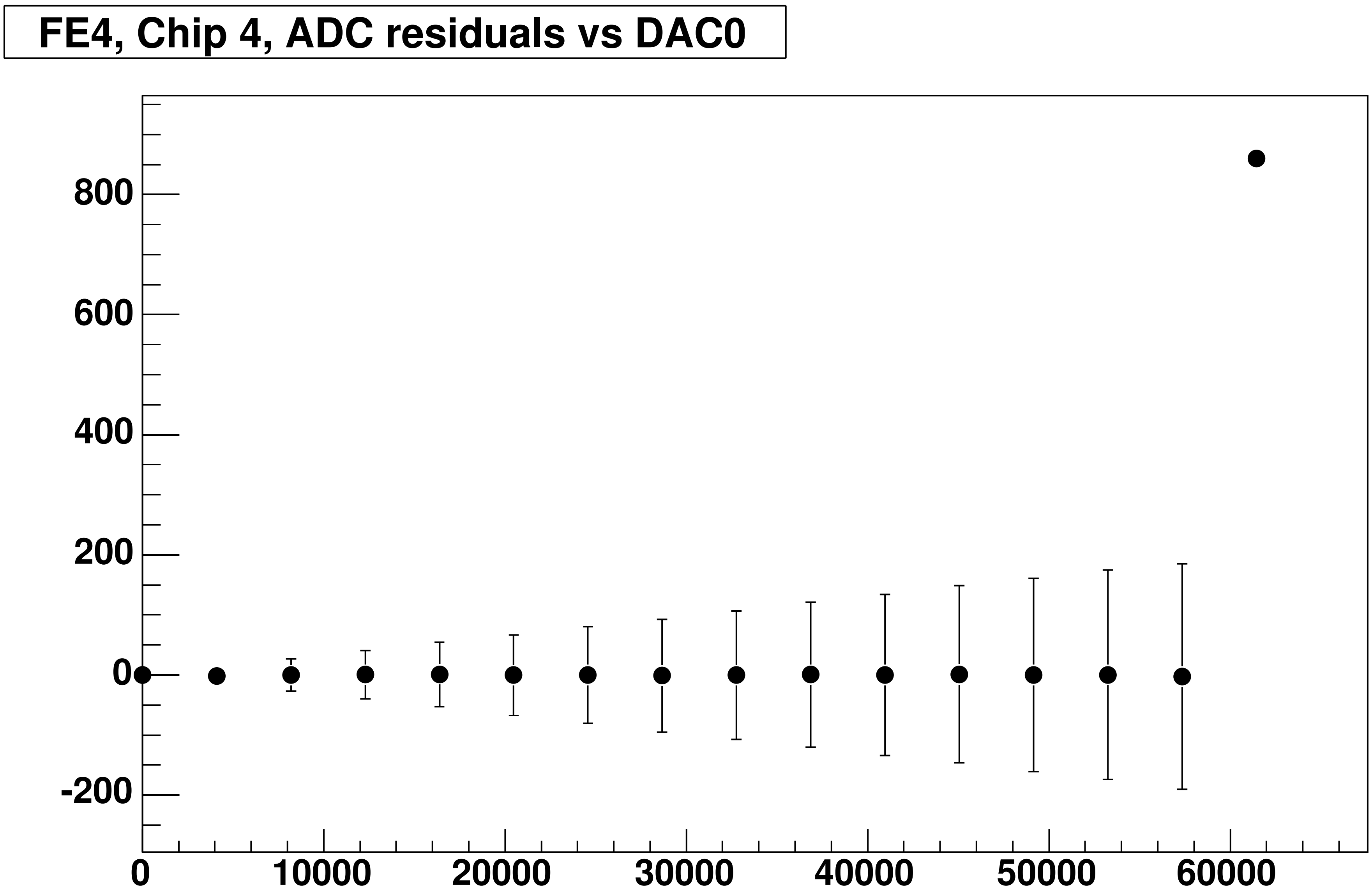

FE4, Chip 3, ADC mean vs DAC1
χ^2 / ndf 2.679e-05 / 11
p0 -38.05 ± 31.08
p1 0.01409 ± 0.001597
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000

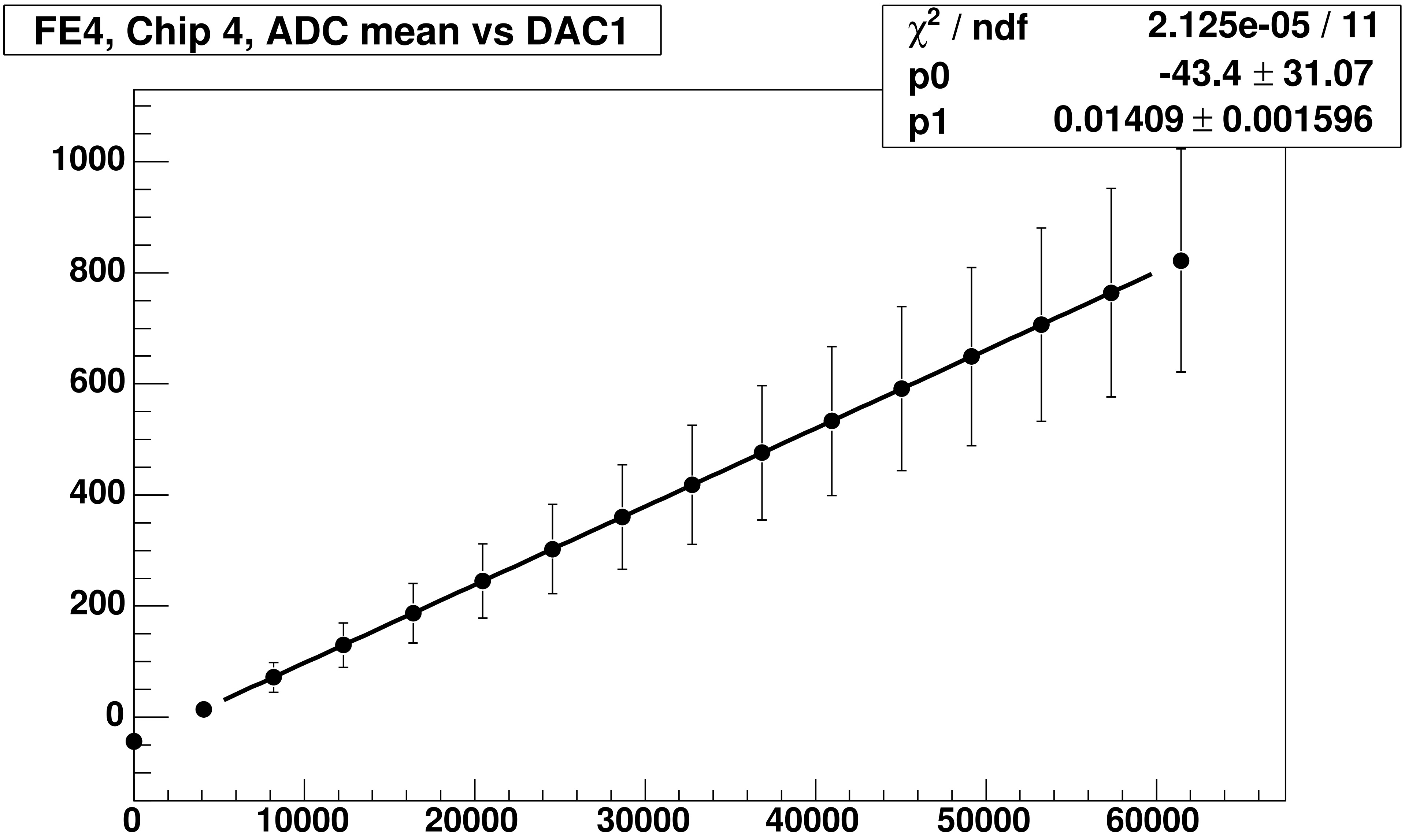

FE4, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

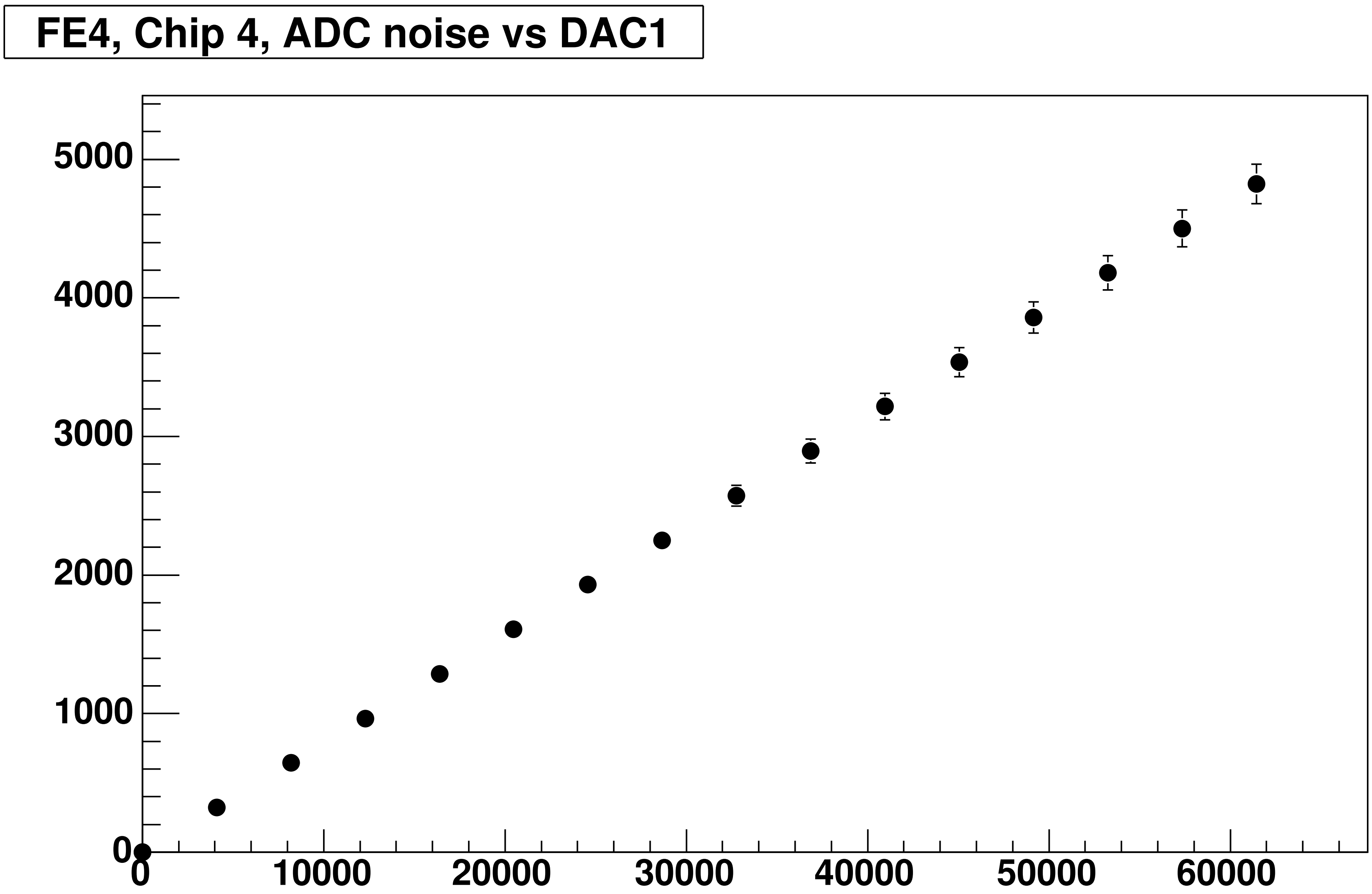

FE4, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

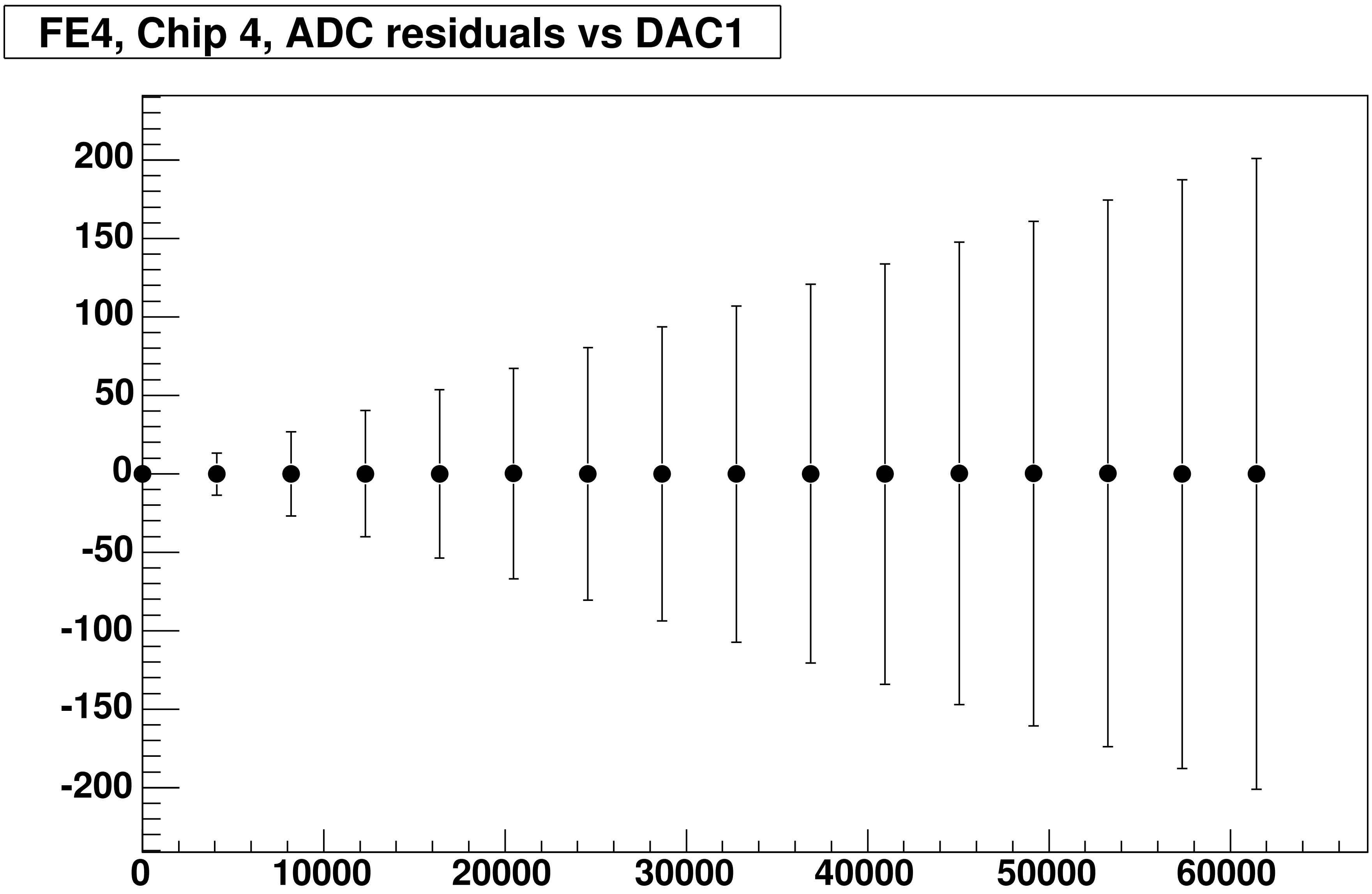

FE4, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.001173 / 11
p0 -42.66 ± 31.07
p1 0.4367 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

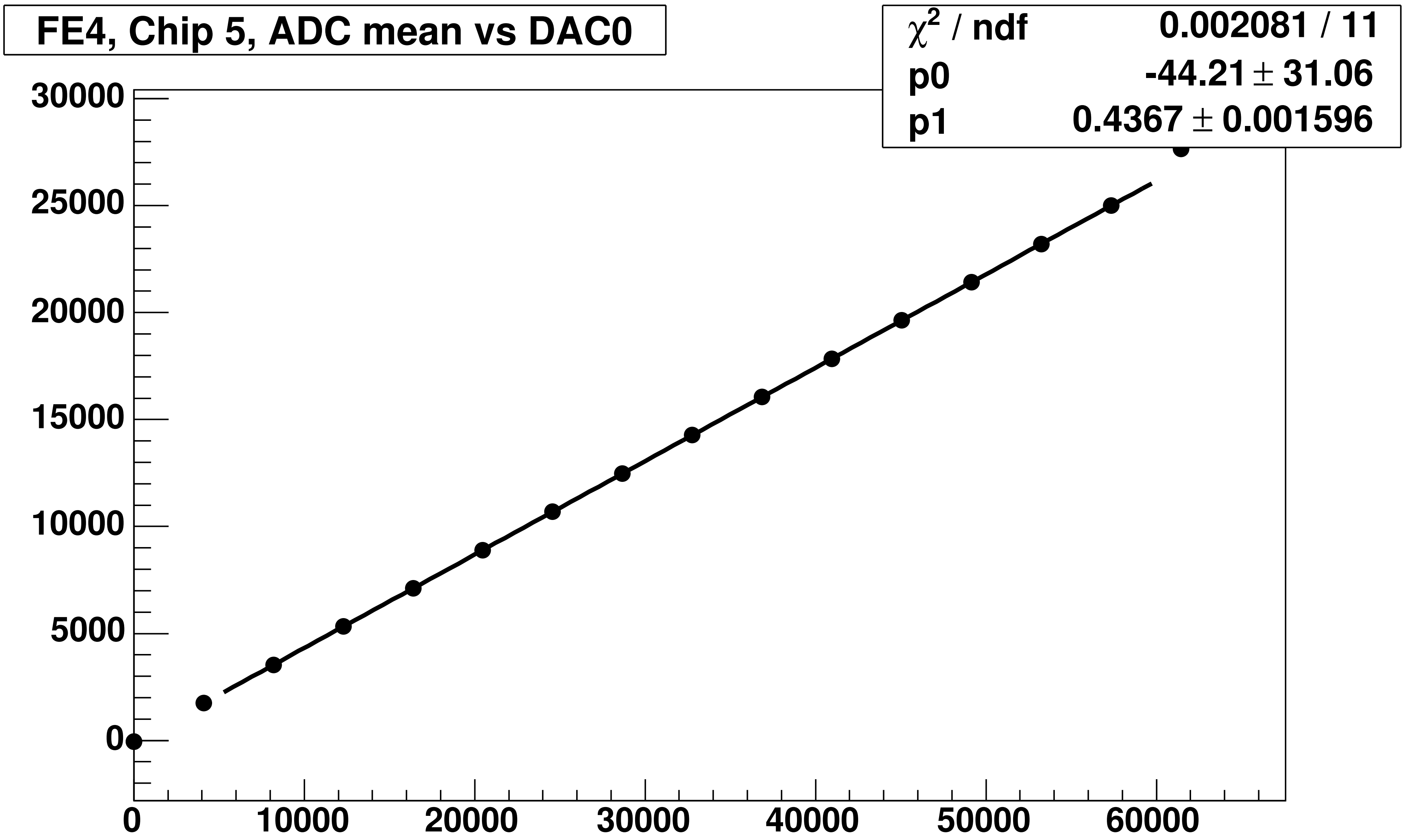

FE4, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

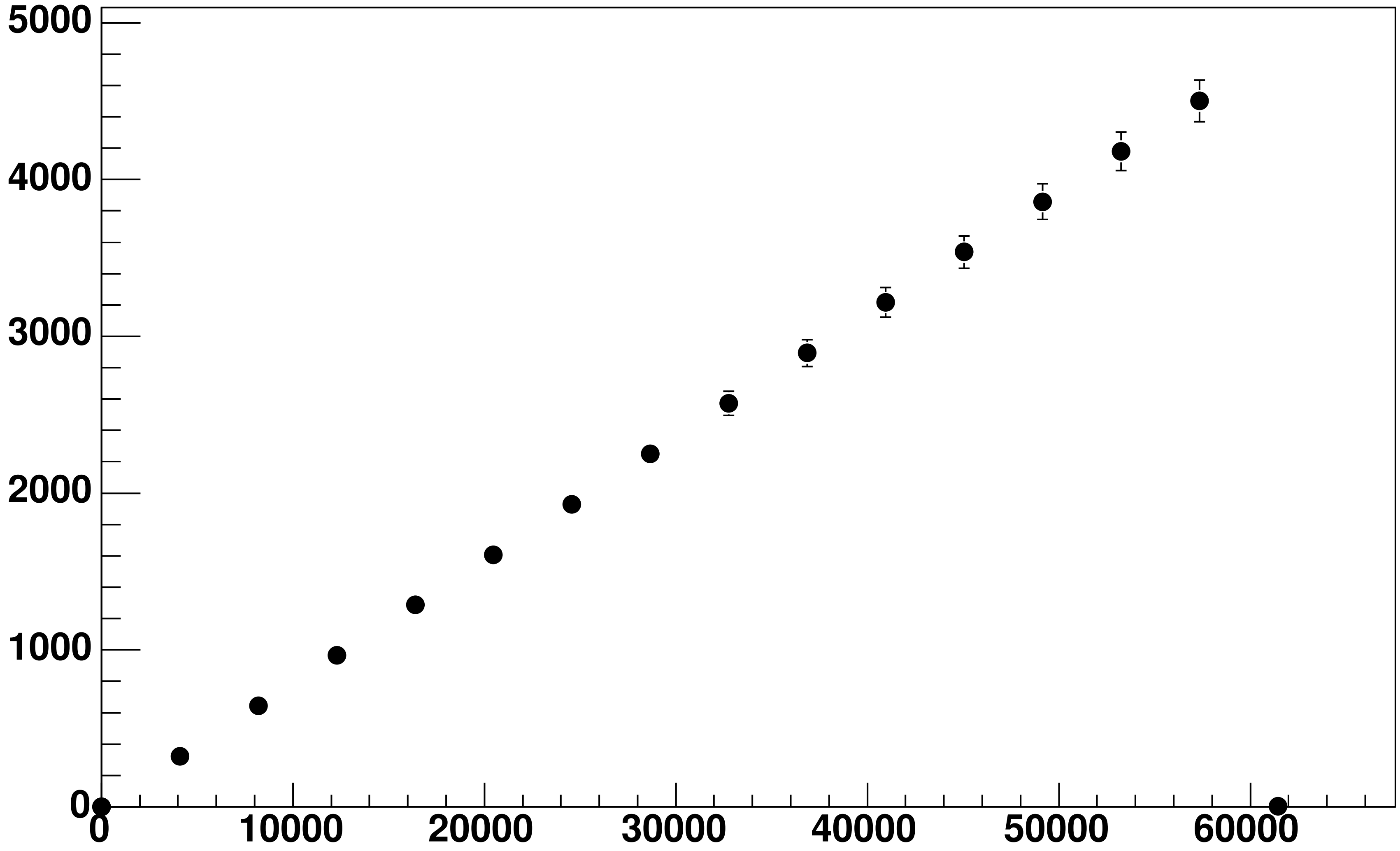

FE4, Chip 4, ADC mean vs DAC1
χ^2 / ndf 2.125e-05 / 11
p0 -43.4 ± 31.07
p1 0.01409 ± 0.001596
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

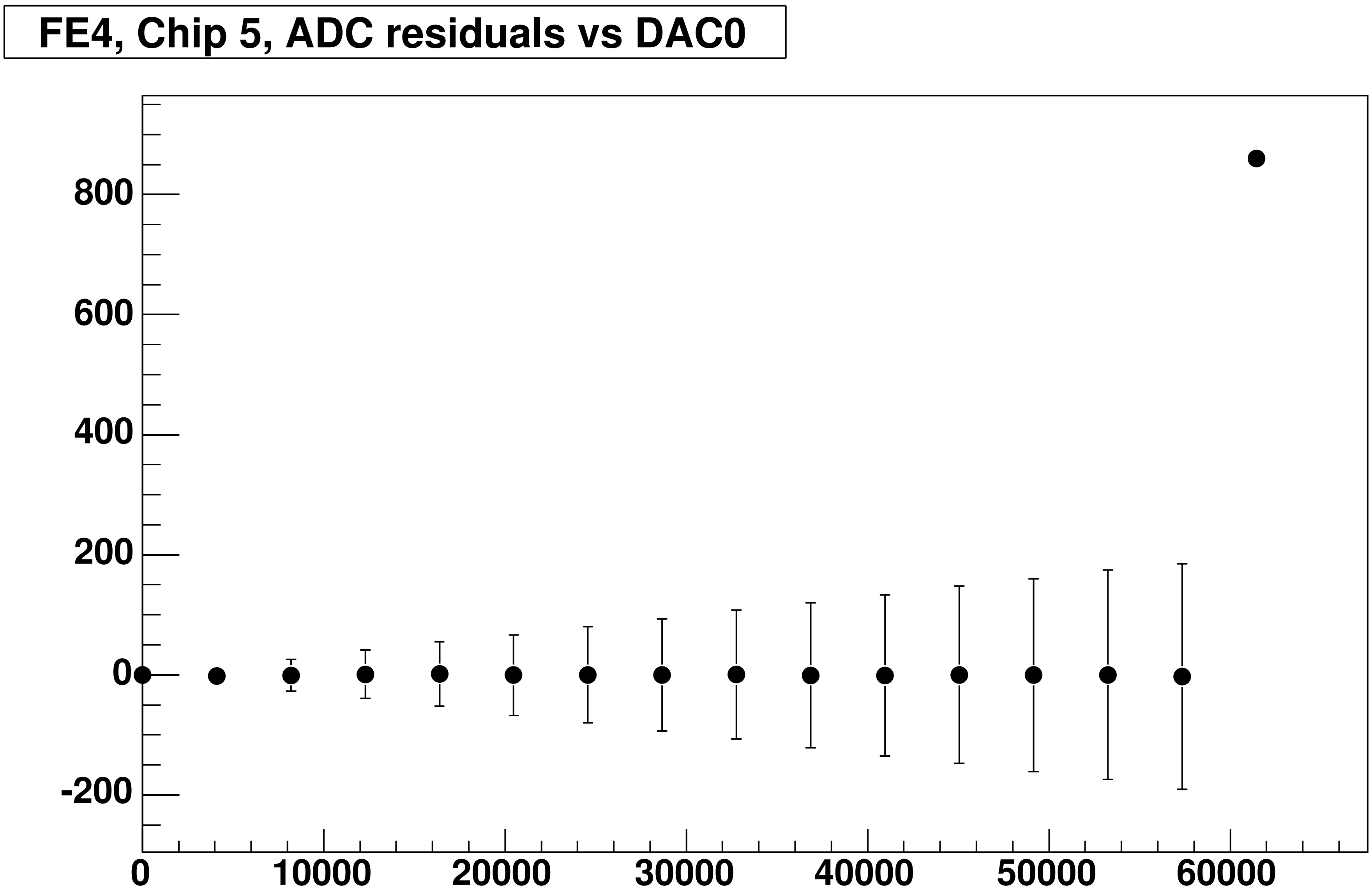

FE4, Chip 4, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

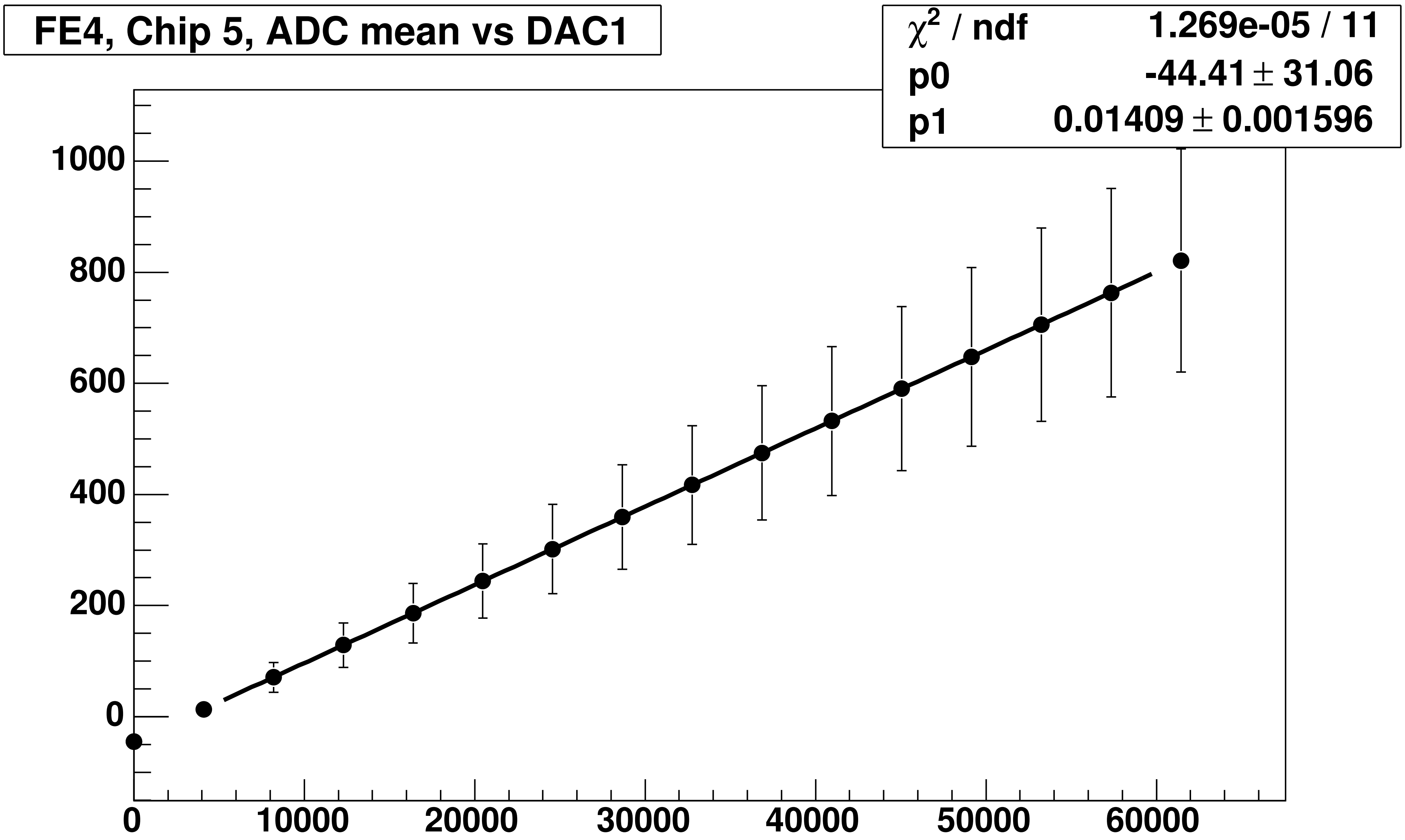

FE4, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.002081 / 11
p0 -44.21 ± 31.06
p1 0.4367 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

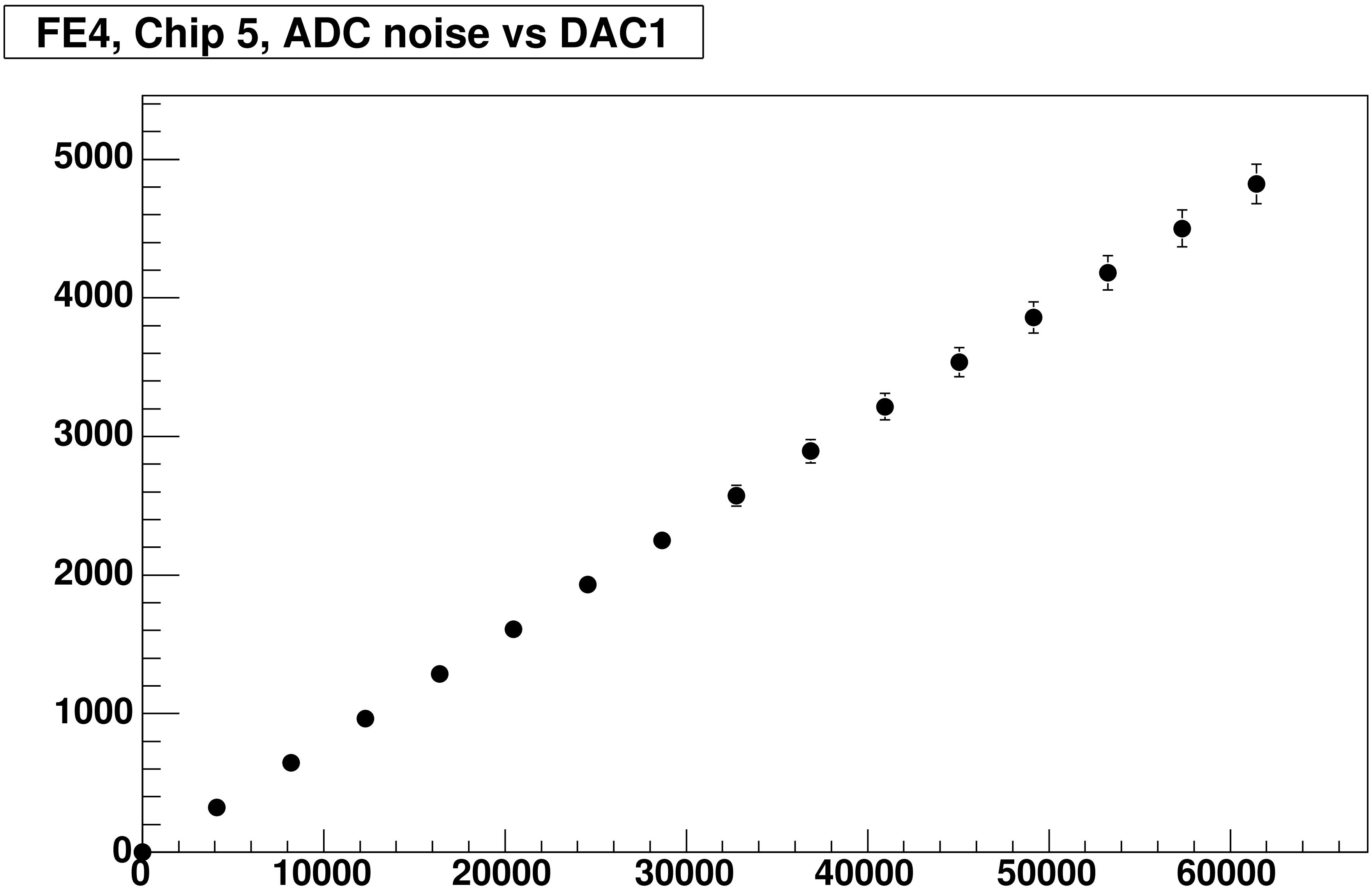
FE4, Chip 5, ADC noise vs DAC0

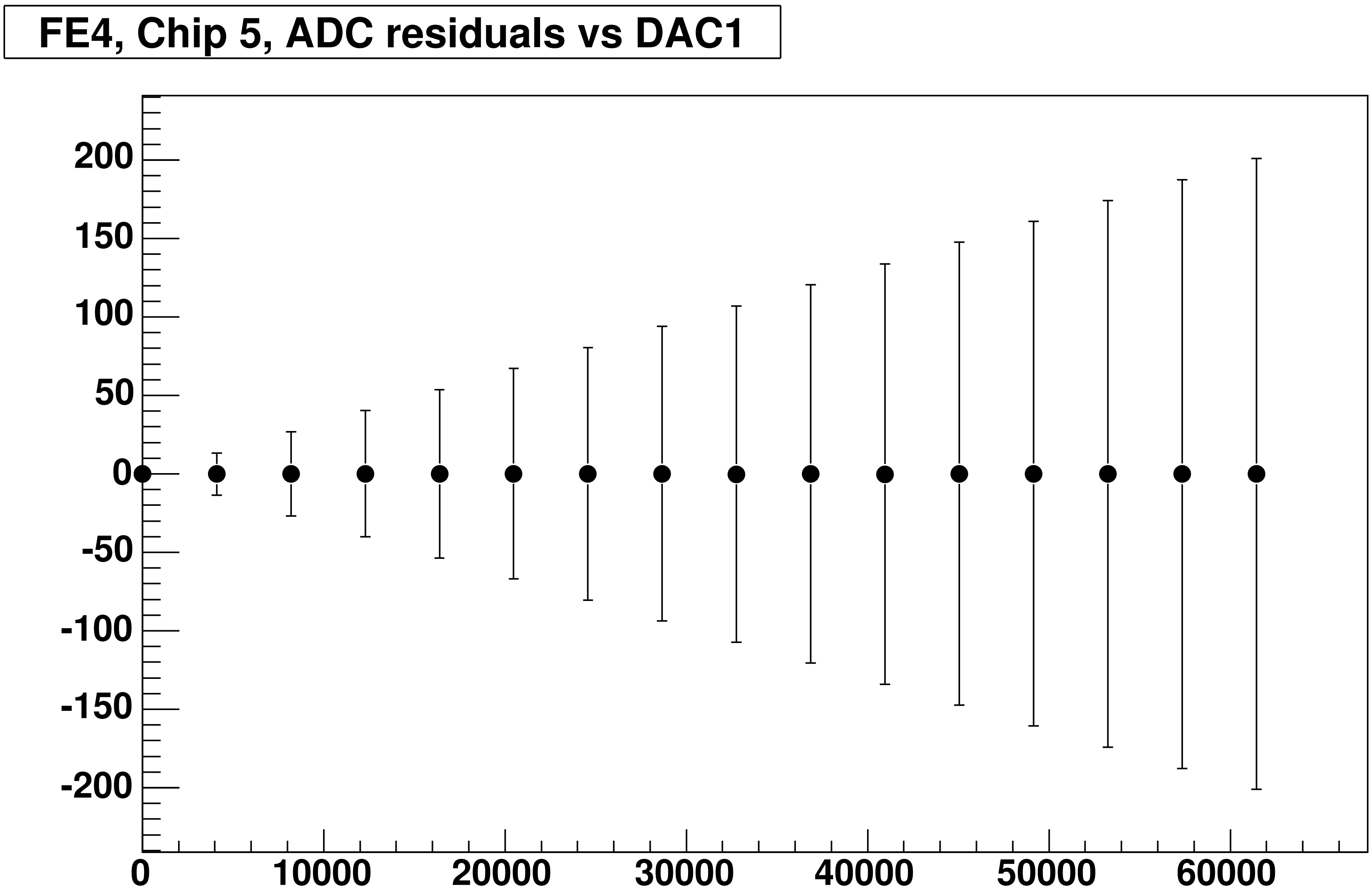


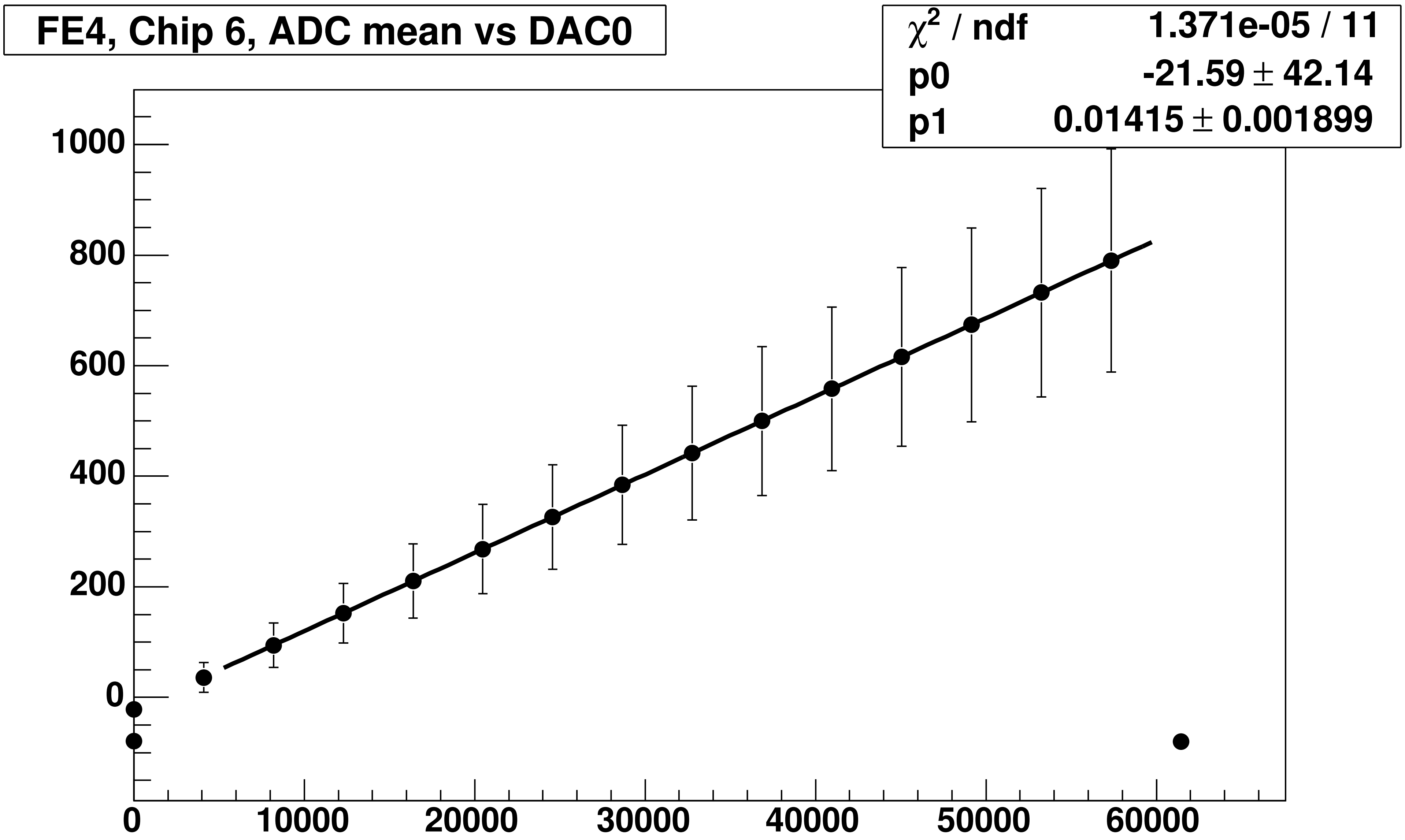

FE4, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

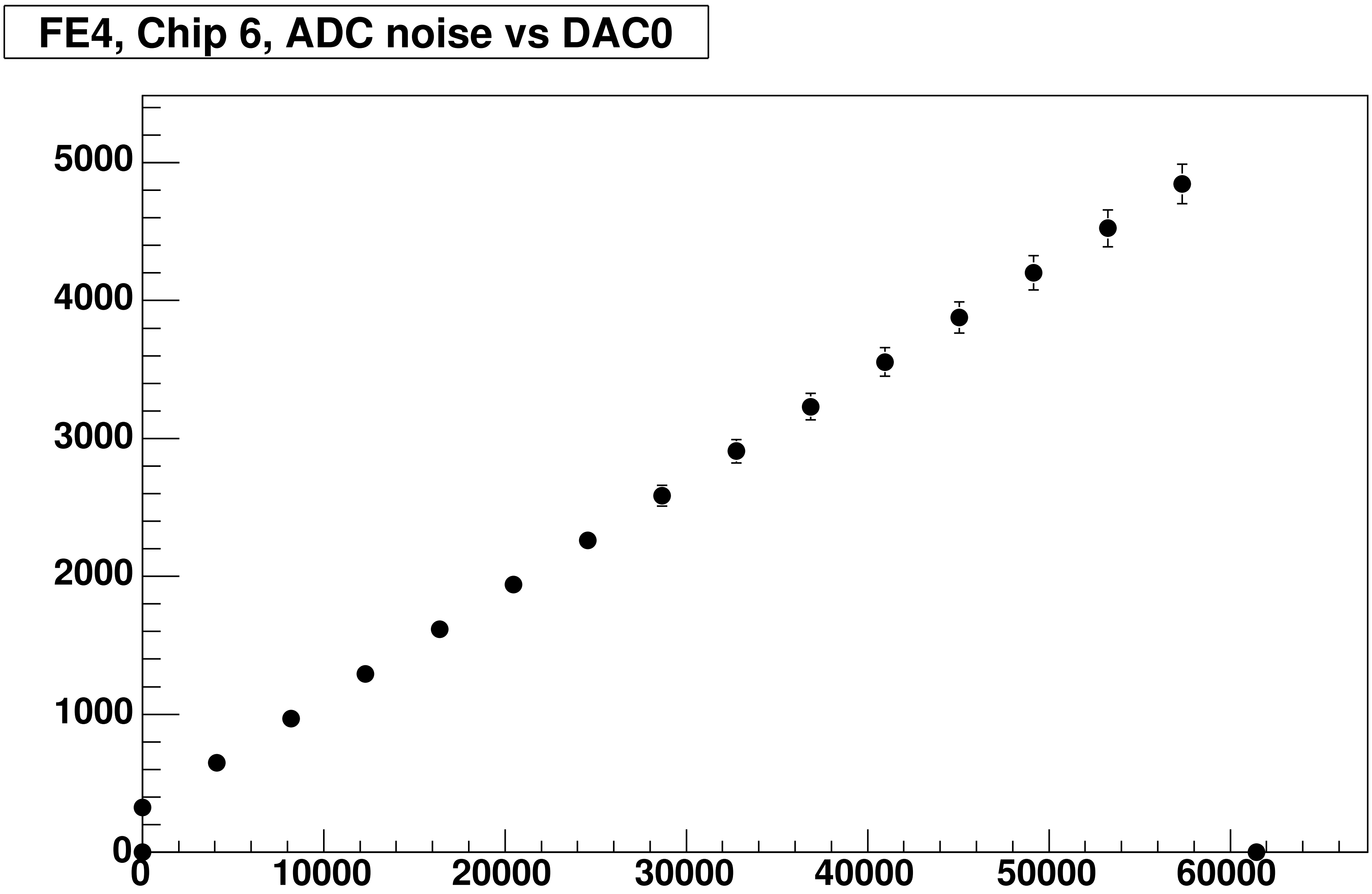


FE4, Chip 5, ADC mean vs DAC1
χ^2 / ndf 1.269e-05 / 11
p0 -44.41 ± 31.06
p1 0.01409 ± 0.001596
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

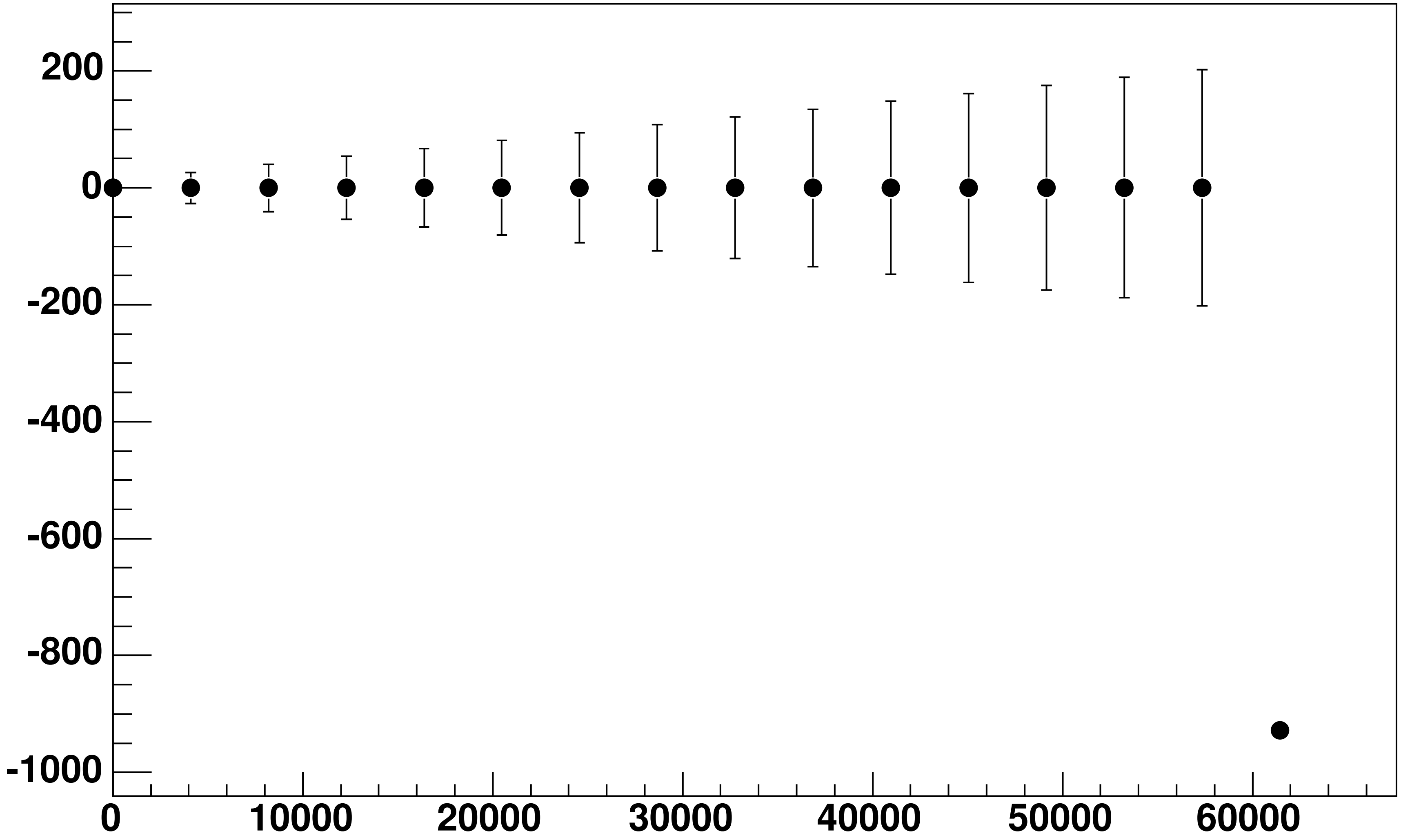

FE4, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

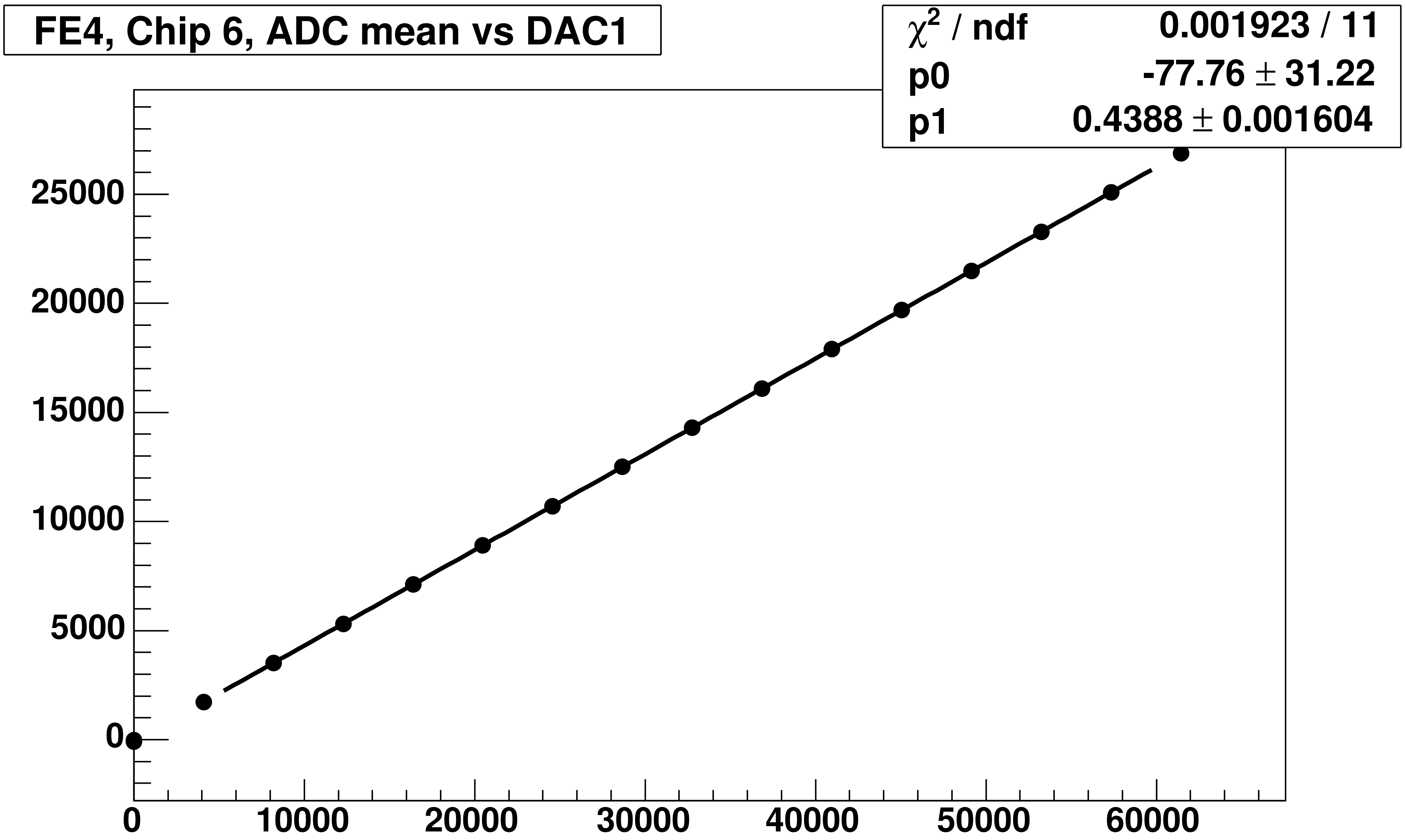

FE4, Chip 6, ADC mean vs DAC0
χ^2 / ndf 1.371e-05 / 11
p0 -21.59 ± 42.14
p1 0.01415 ± 0.001899
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



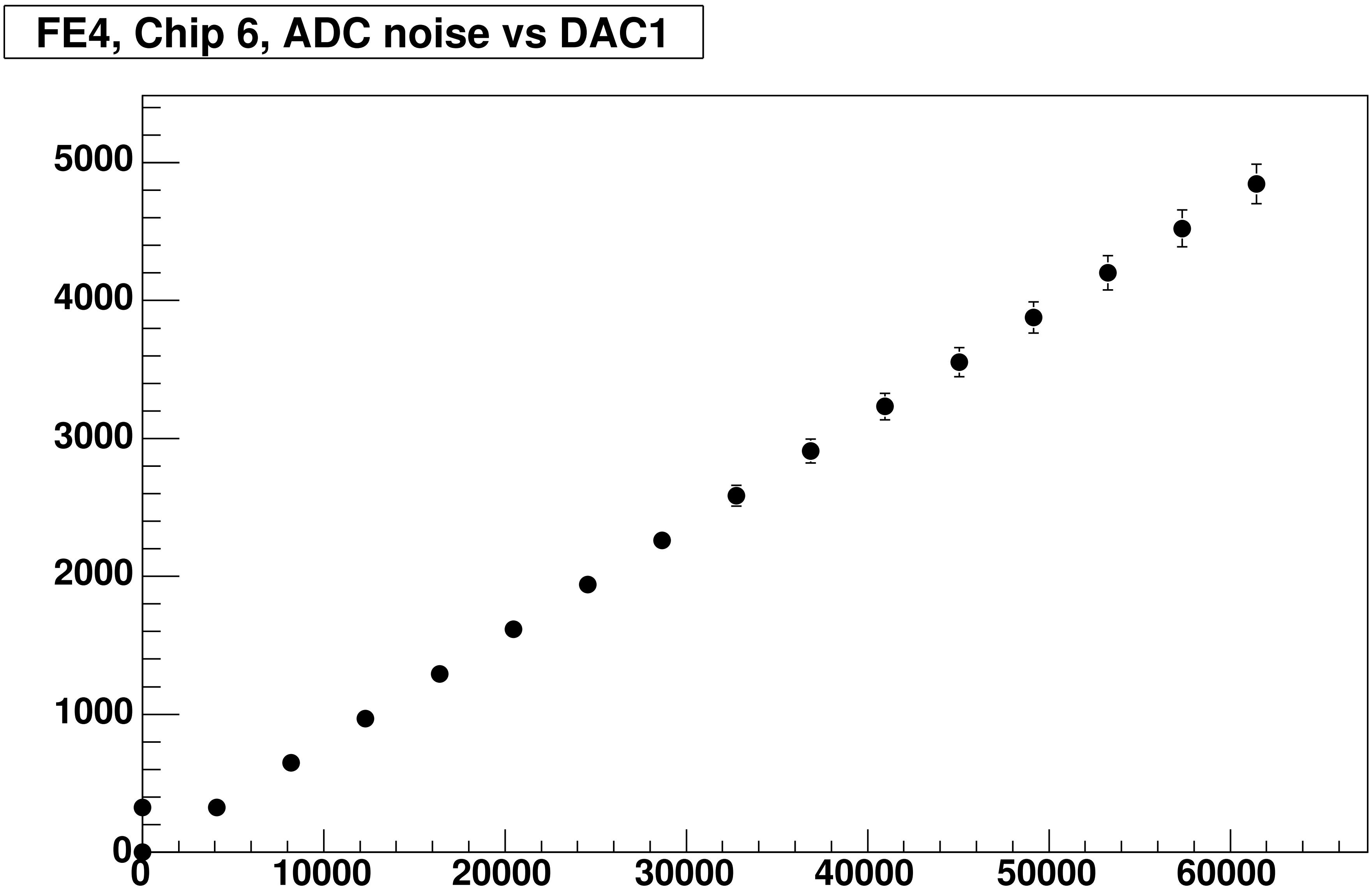
FE4, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

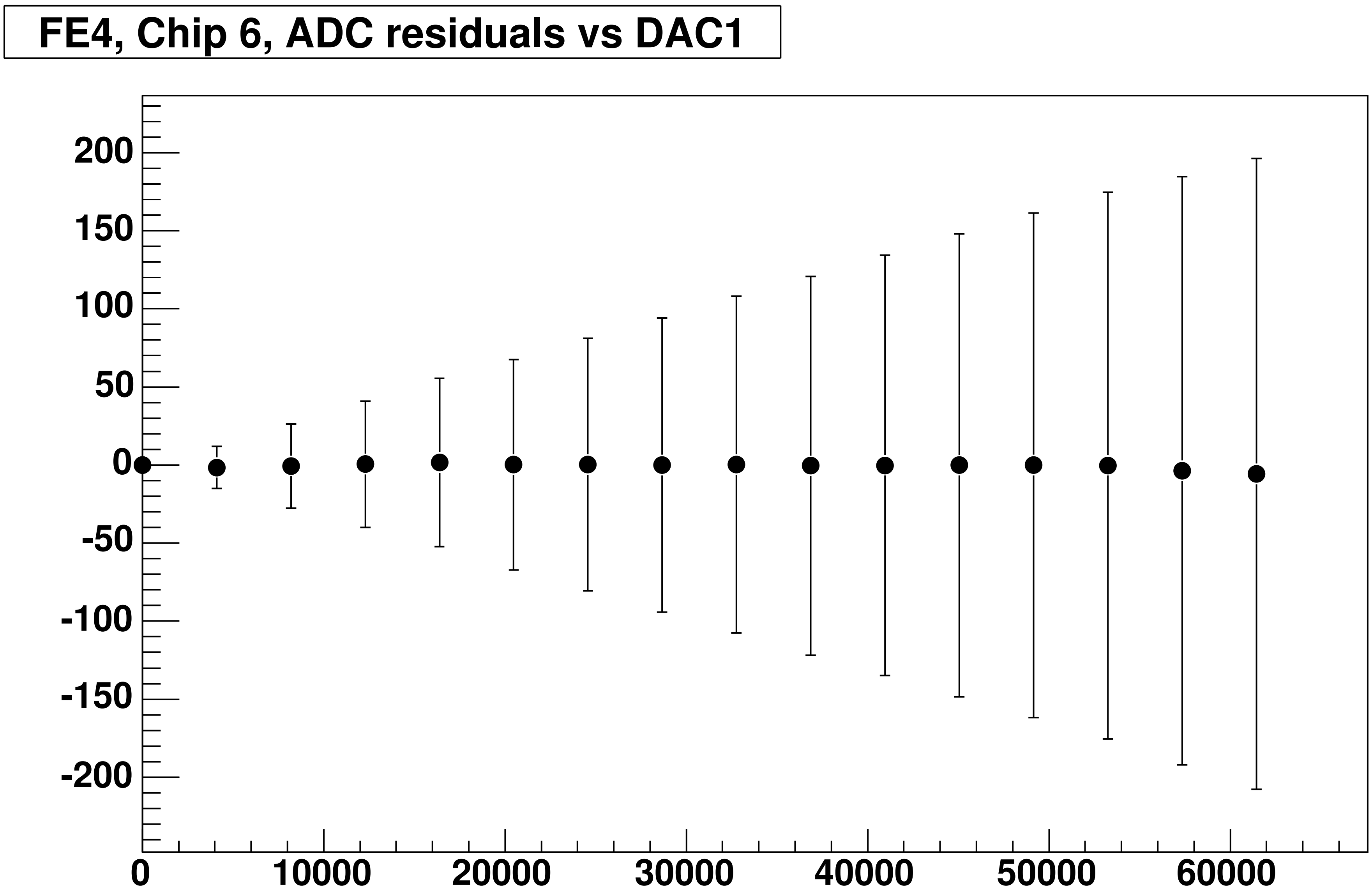
FE4, Chip 6, ADC residuals vs DAC0

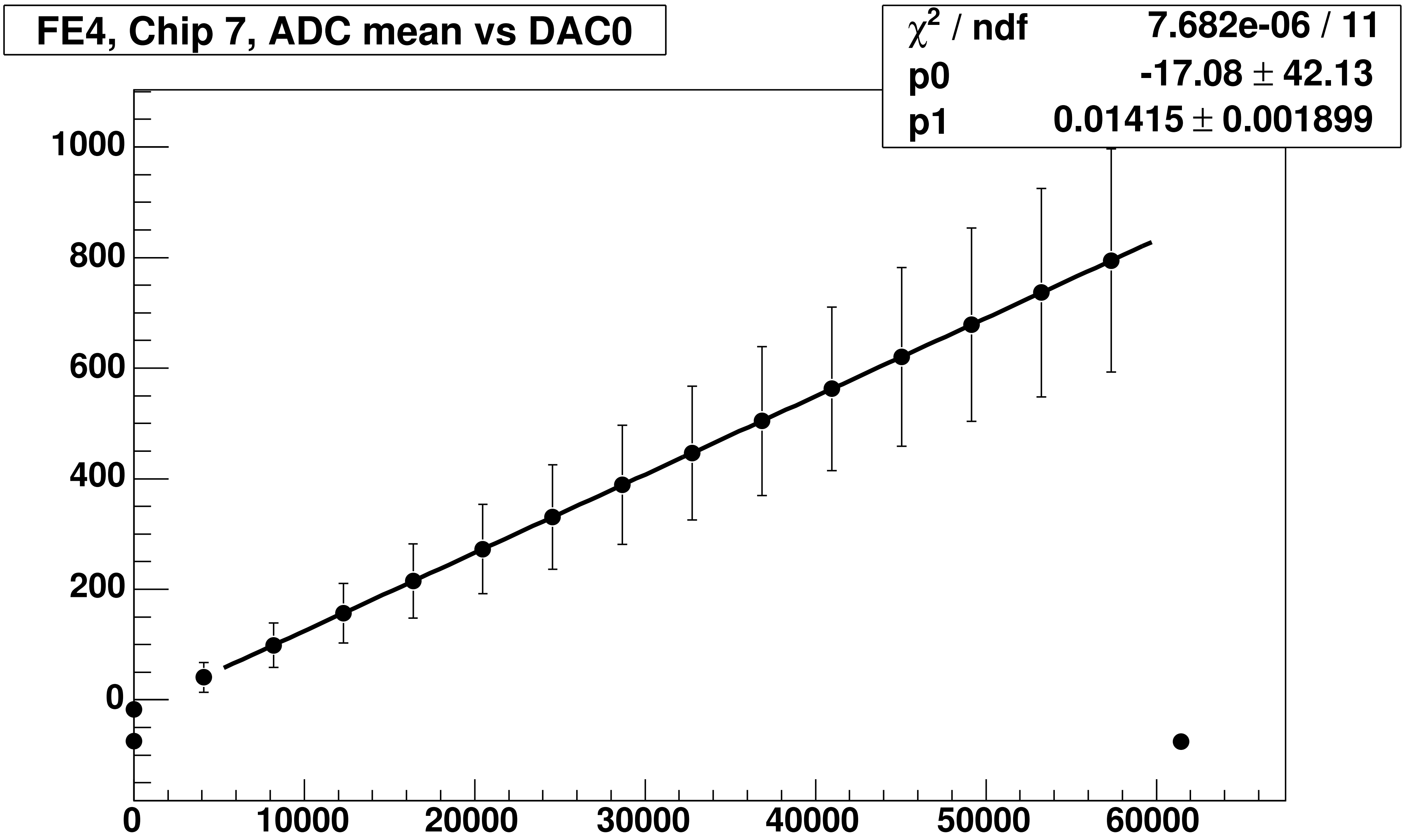


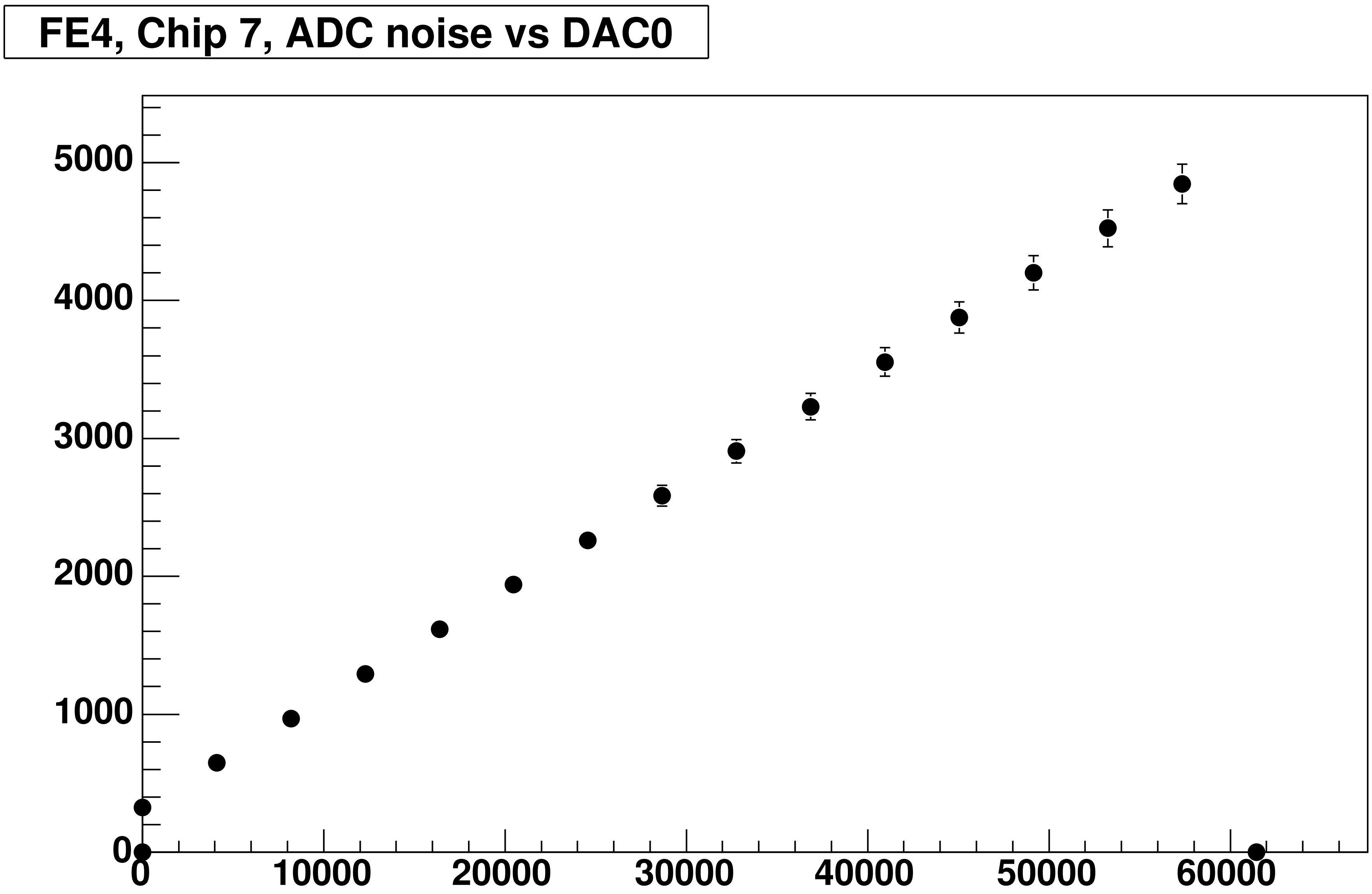


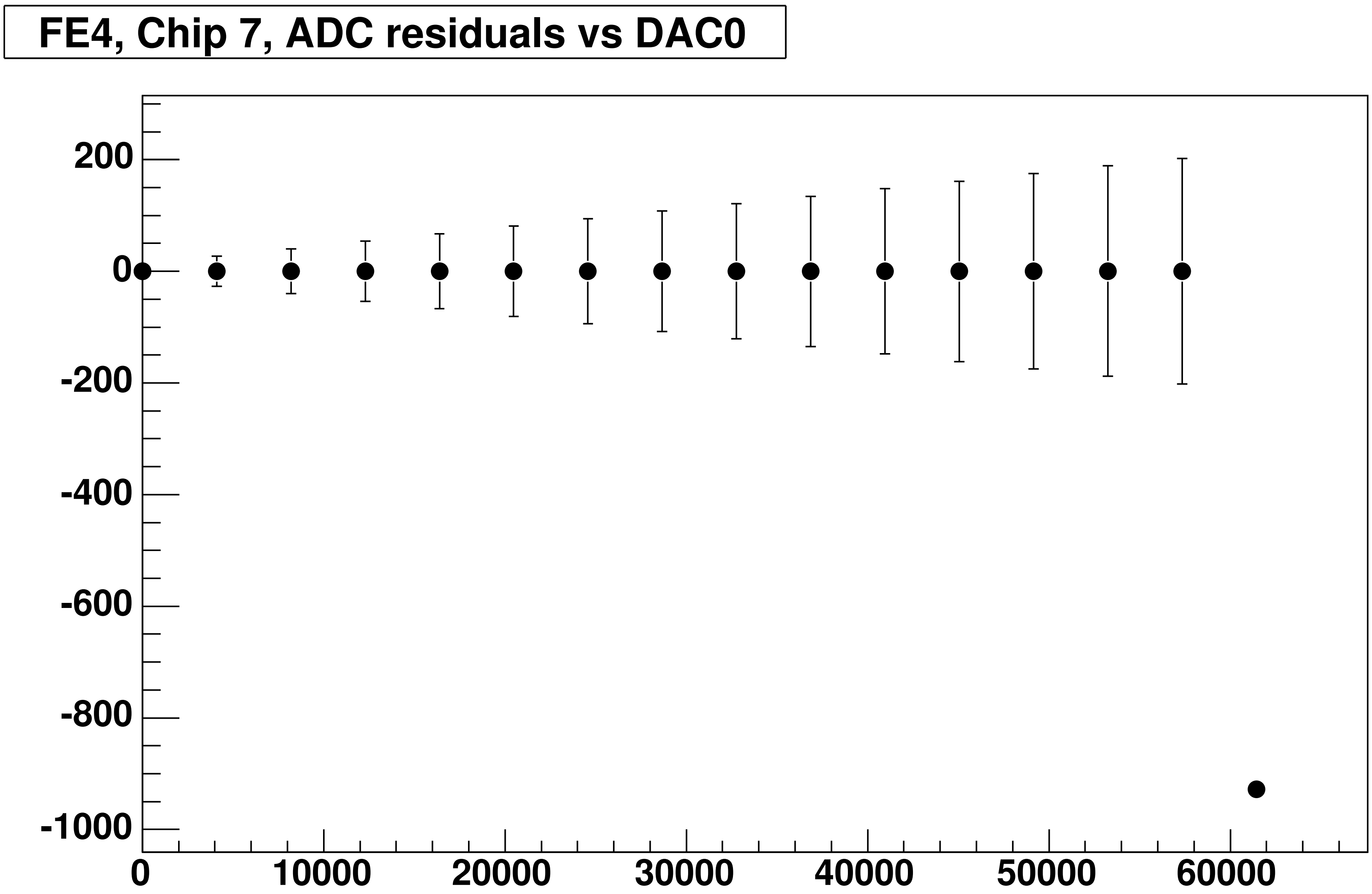
FE4, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001923 / 11
p0 -77.76 ± 31.22
p1 0.4388 ± 0.001604
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

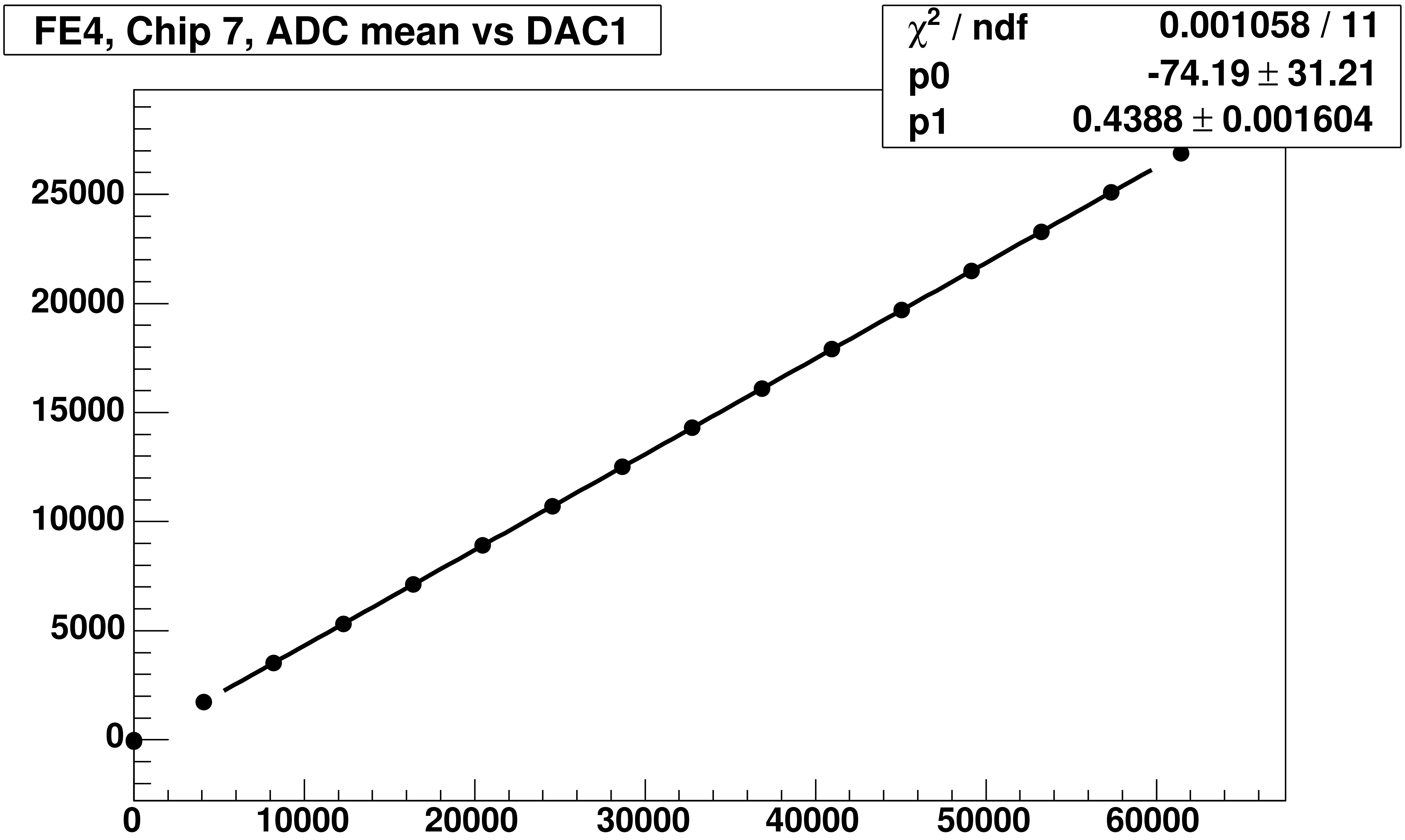

FE4, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

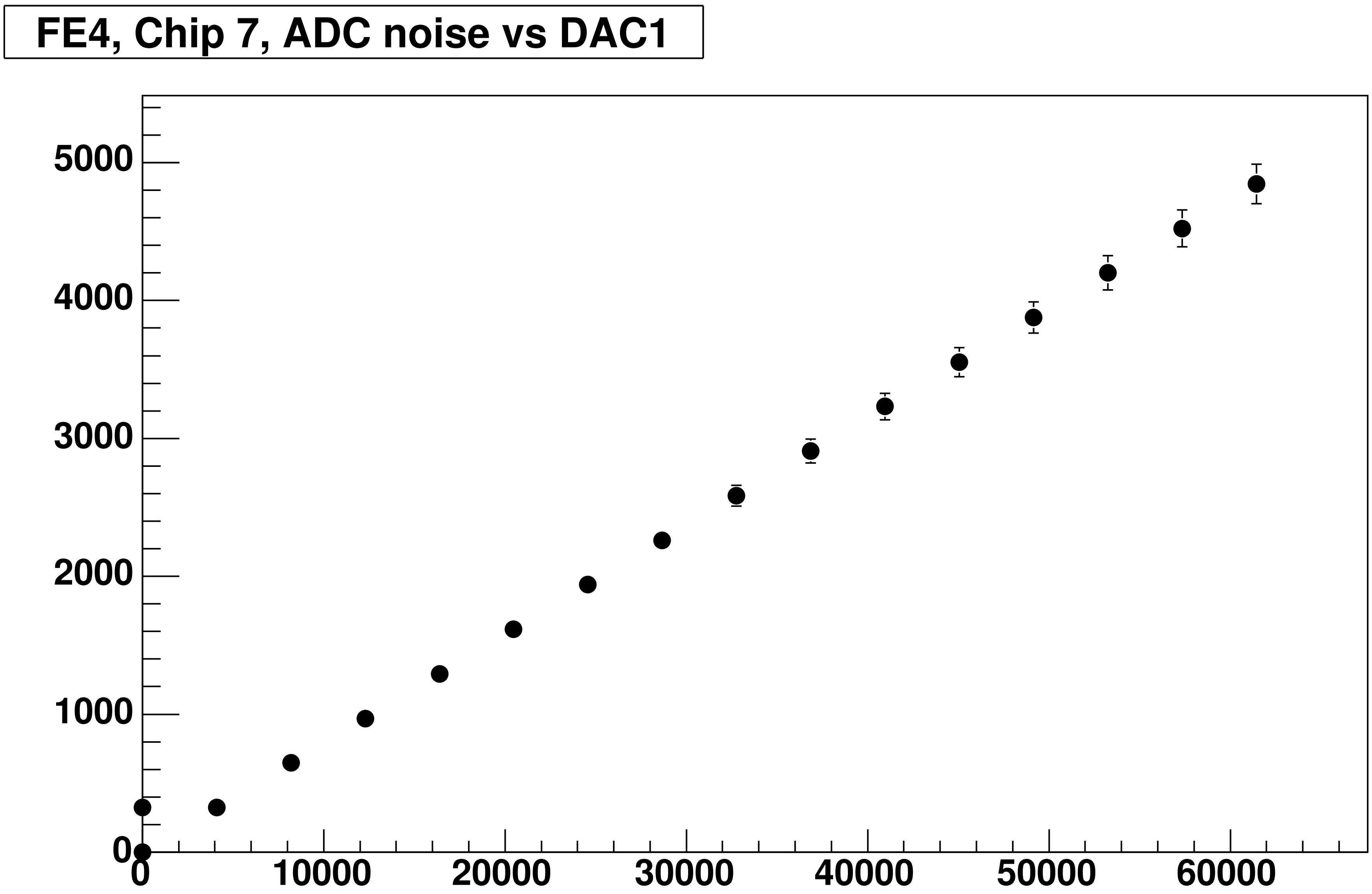

FE4, Chip 7, ADC mean vs DAC0
χ2 / ndf 7.682e-06 / 11
p0 -17.08 ± 42.13
p1 0.01415 ± 0.001899
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

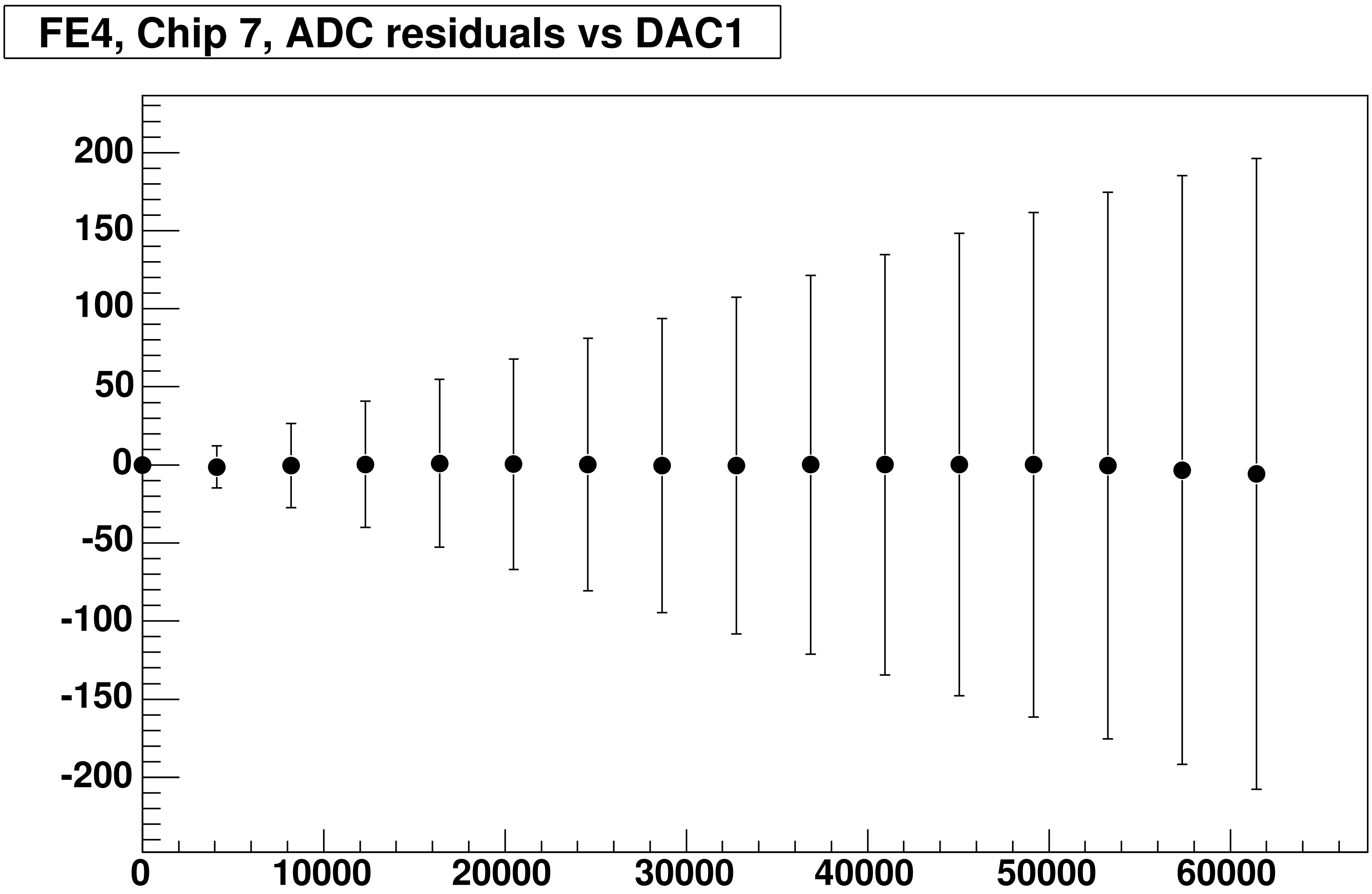

FE4, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

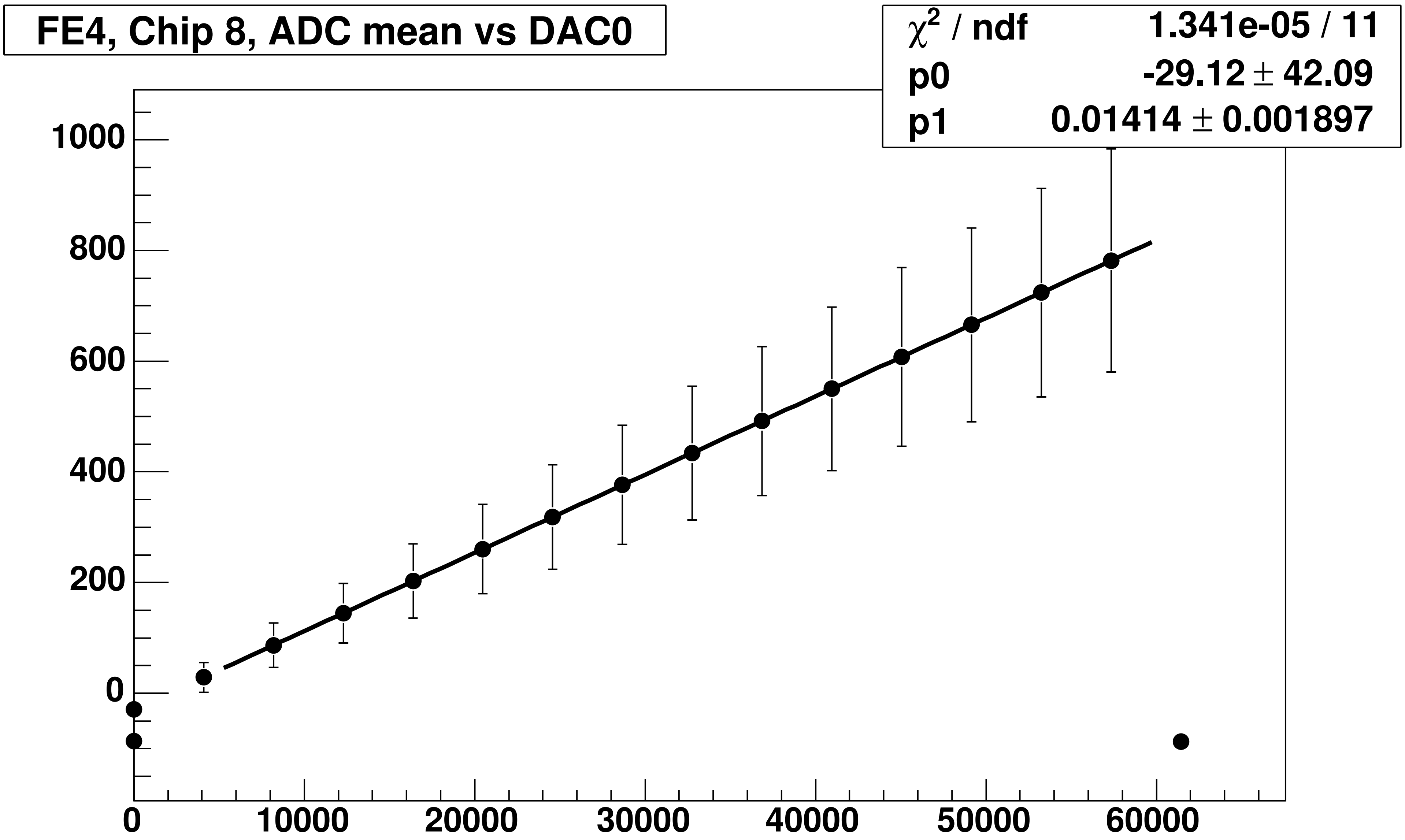

FE4, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

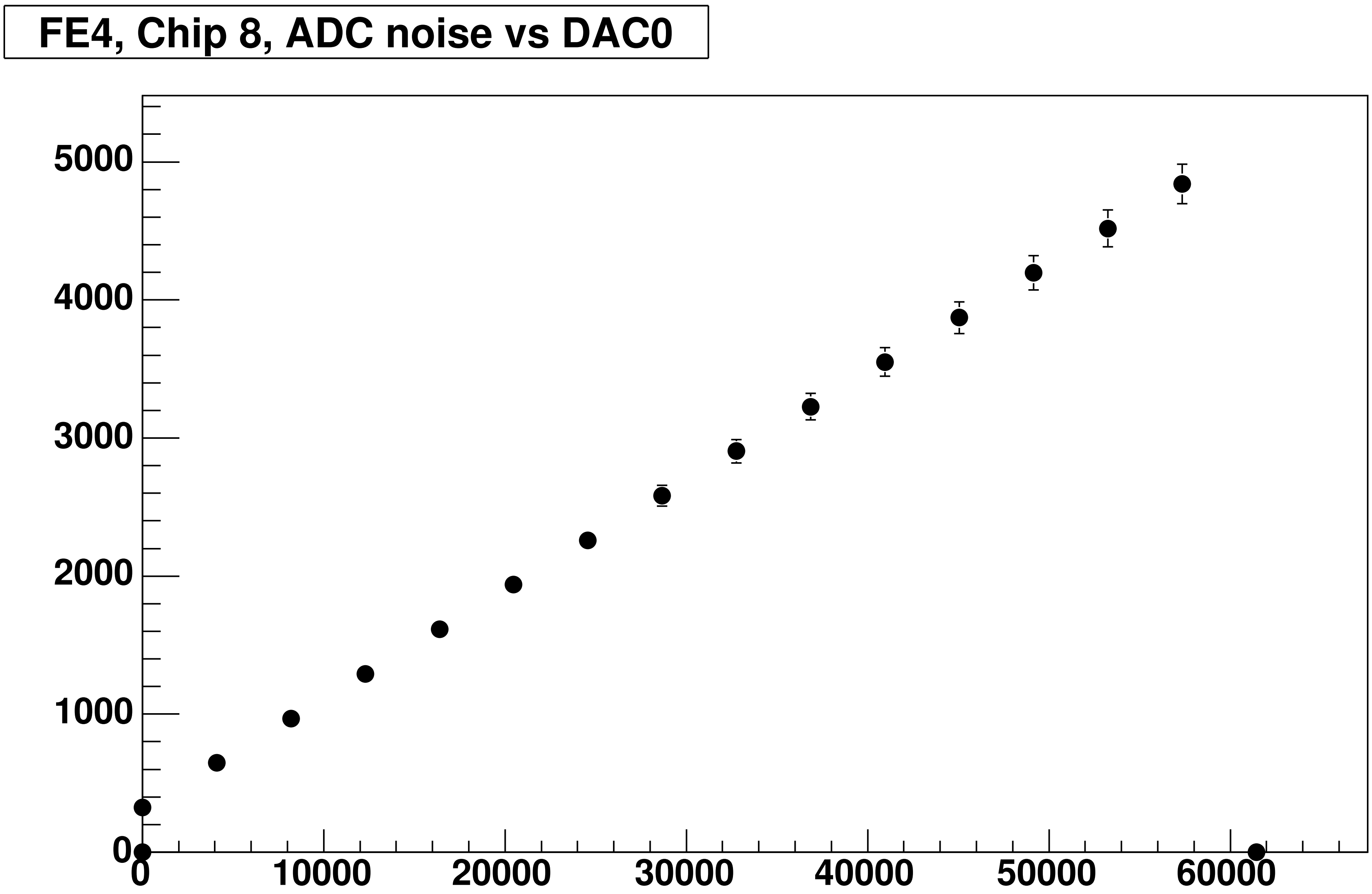


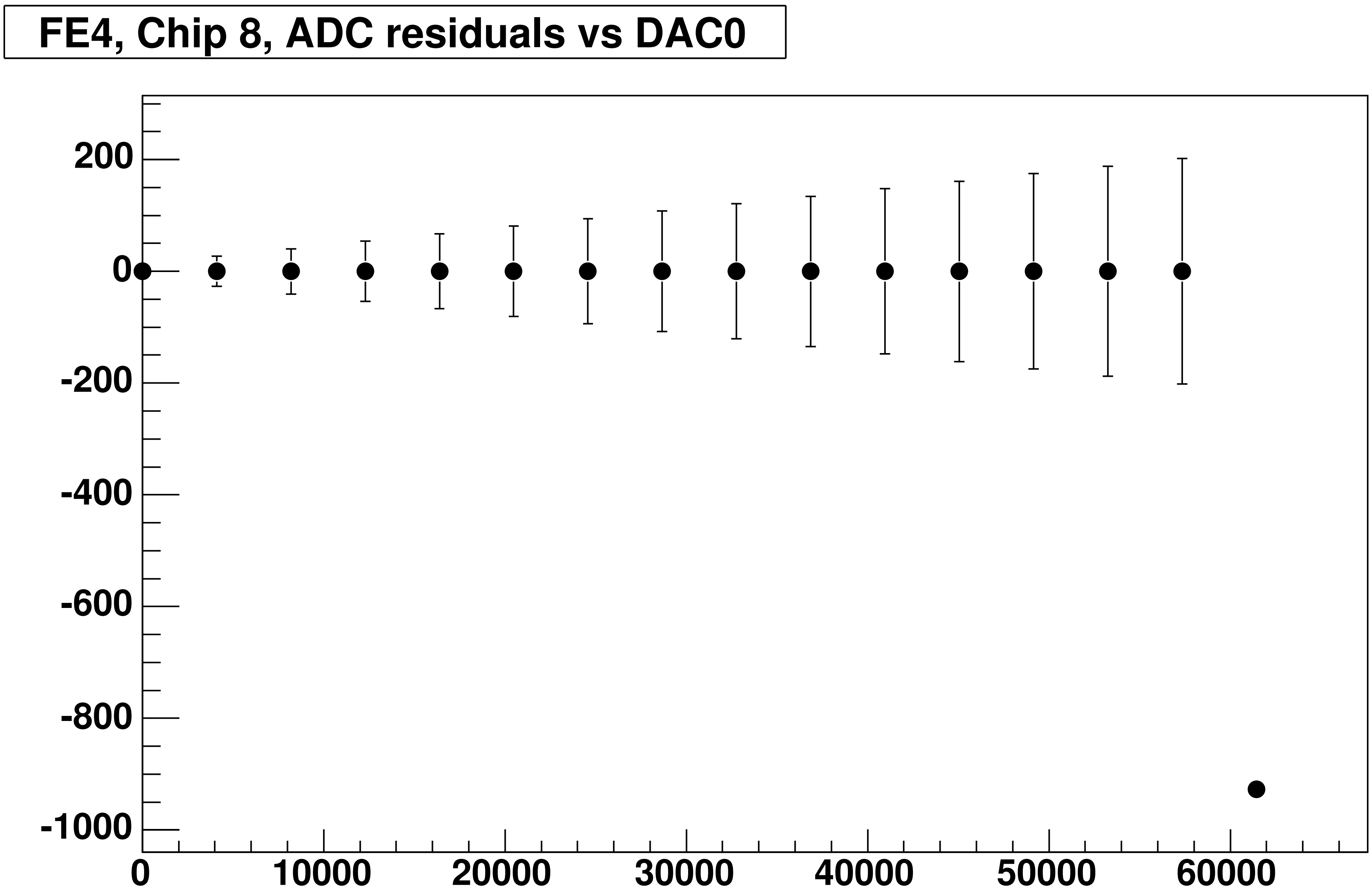
FE4, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.001058 / 11
p0 -74.19 ± 31.21
p1 0.4388 ± 0.001604
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

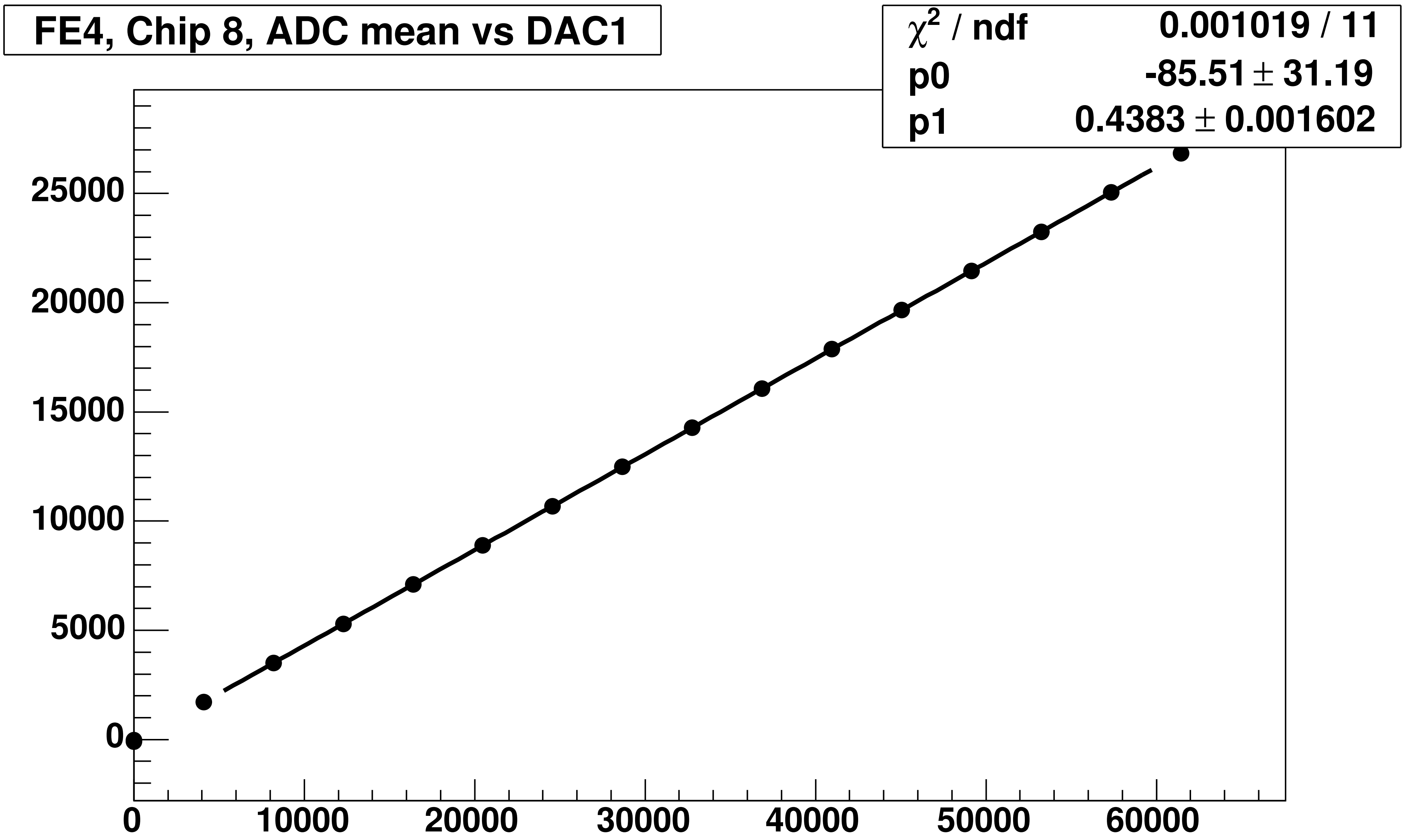

FE4, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

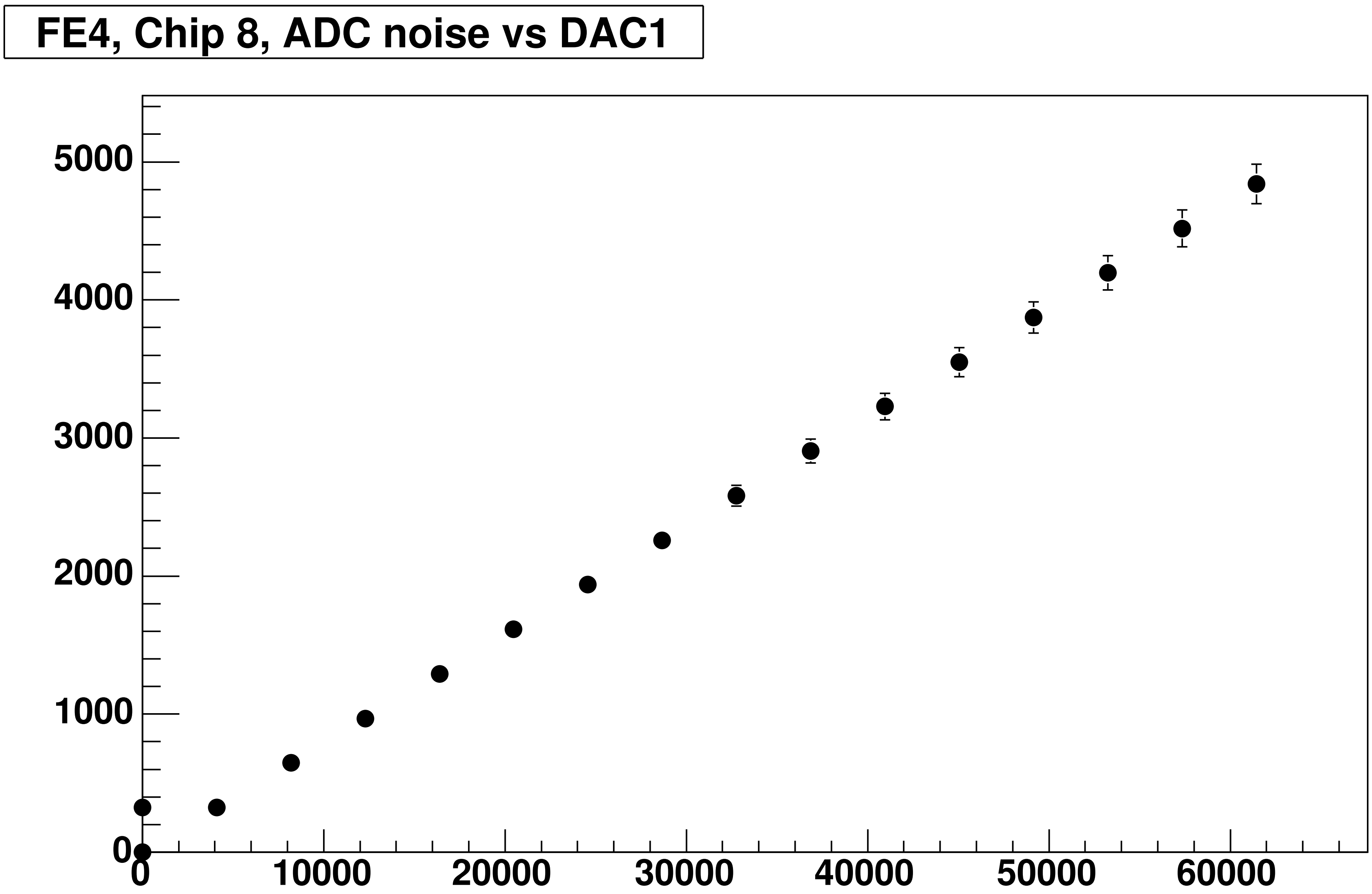

FE4, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.341e-05 / 11
p0 -29.12 ± 42.09
p1 0.01414 ± 0.001897
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

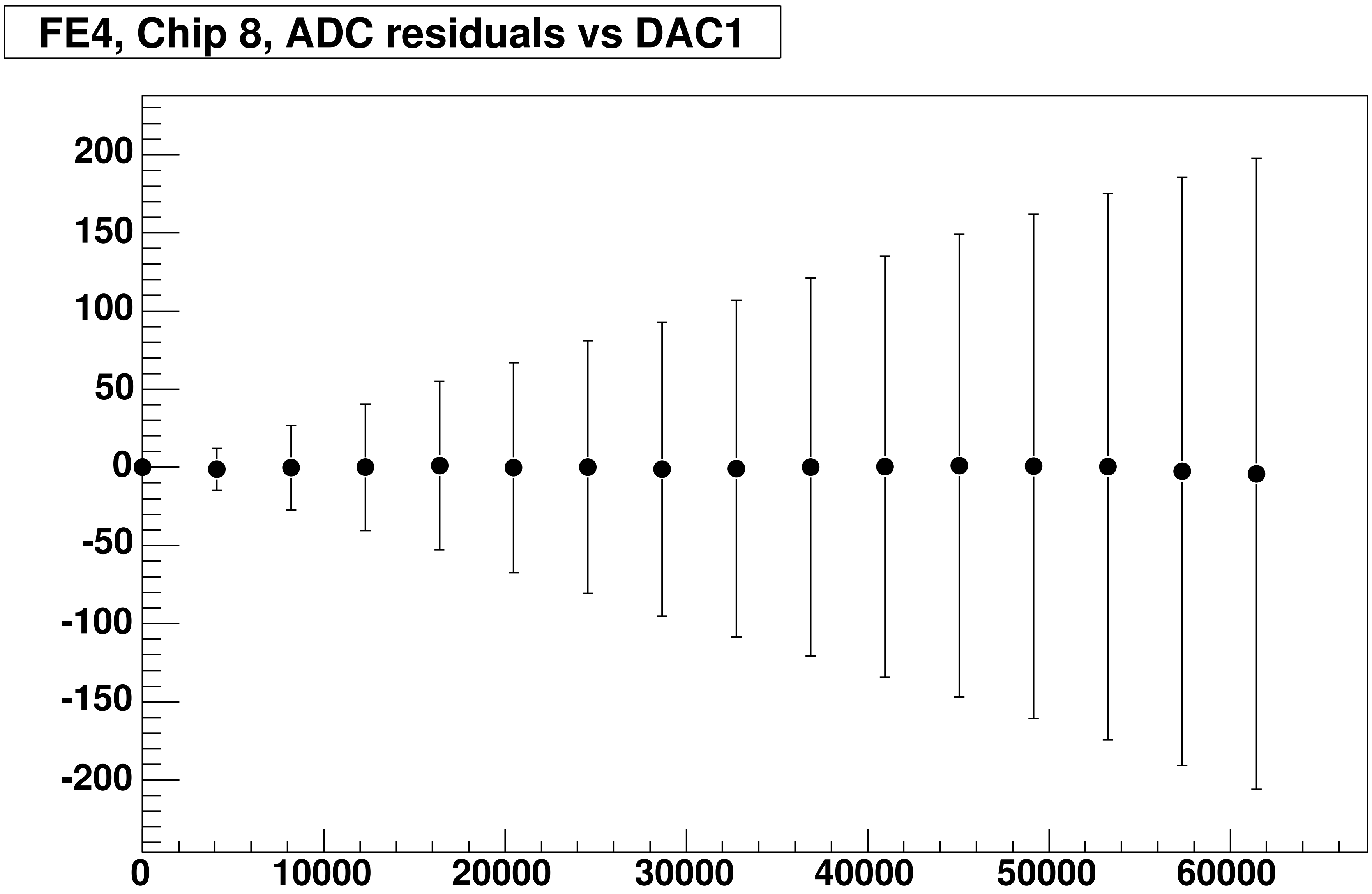

FE4, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

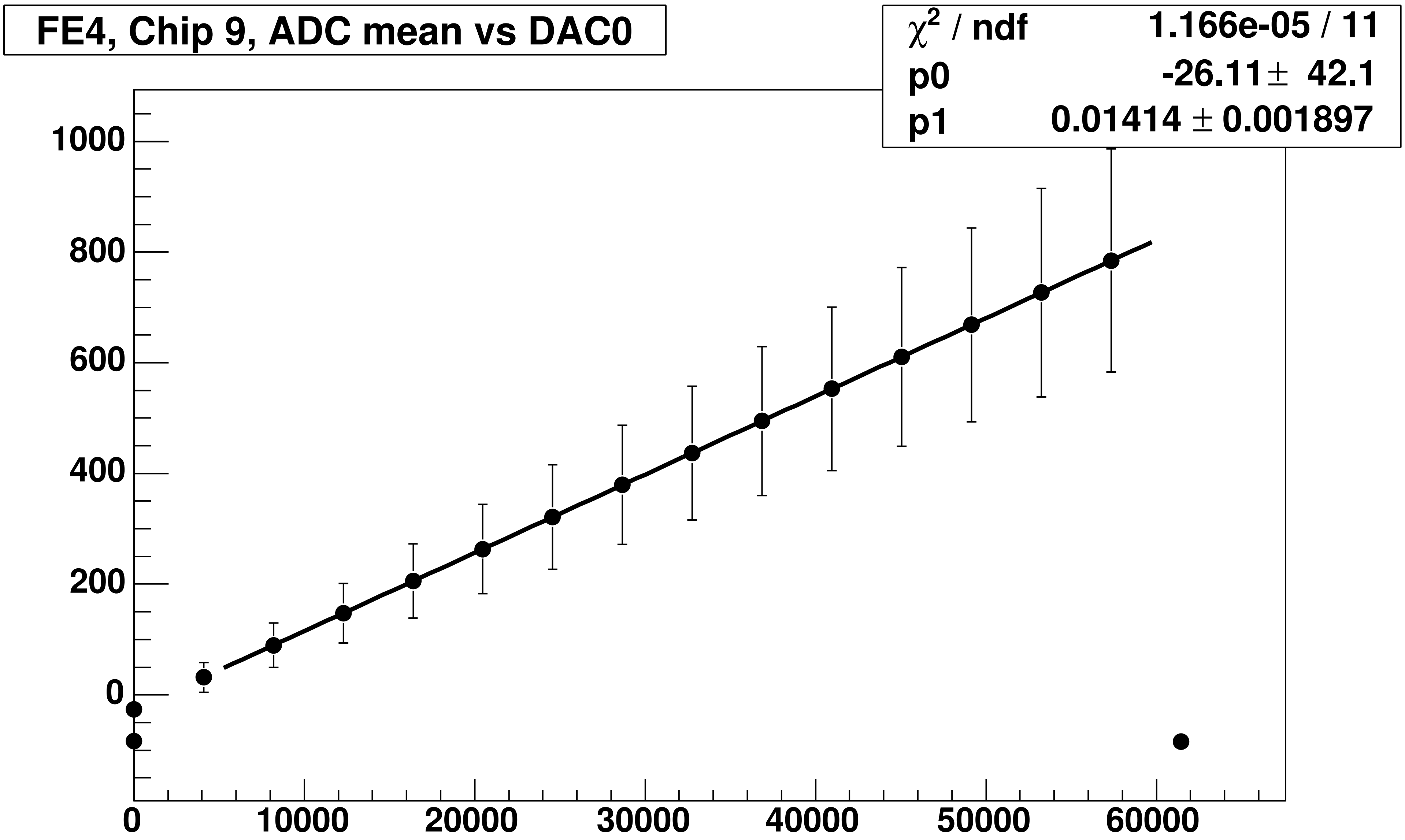

FE4, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

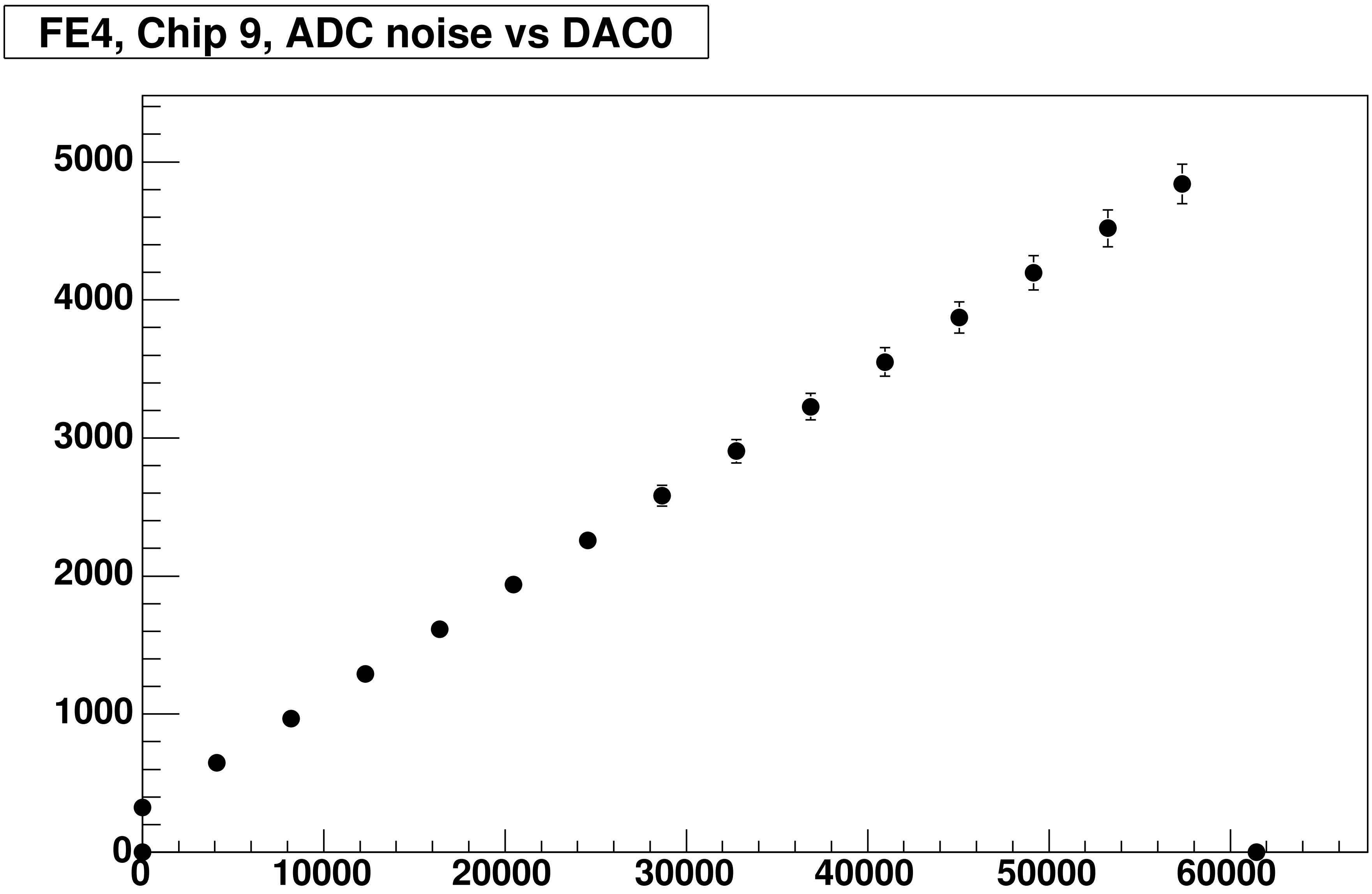


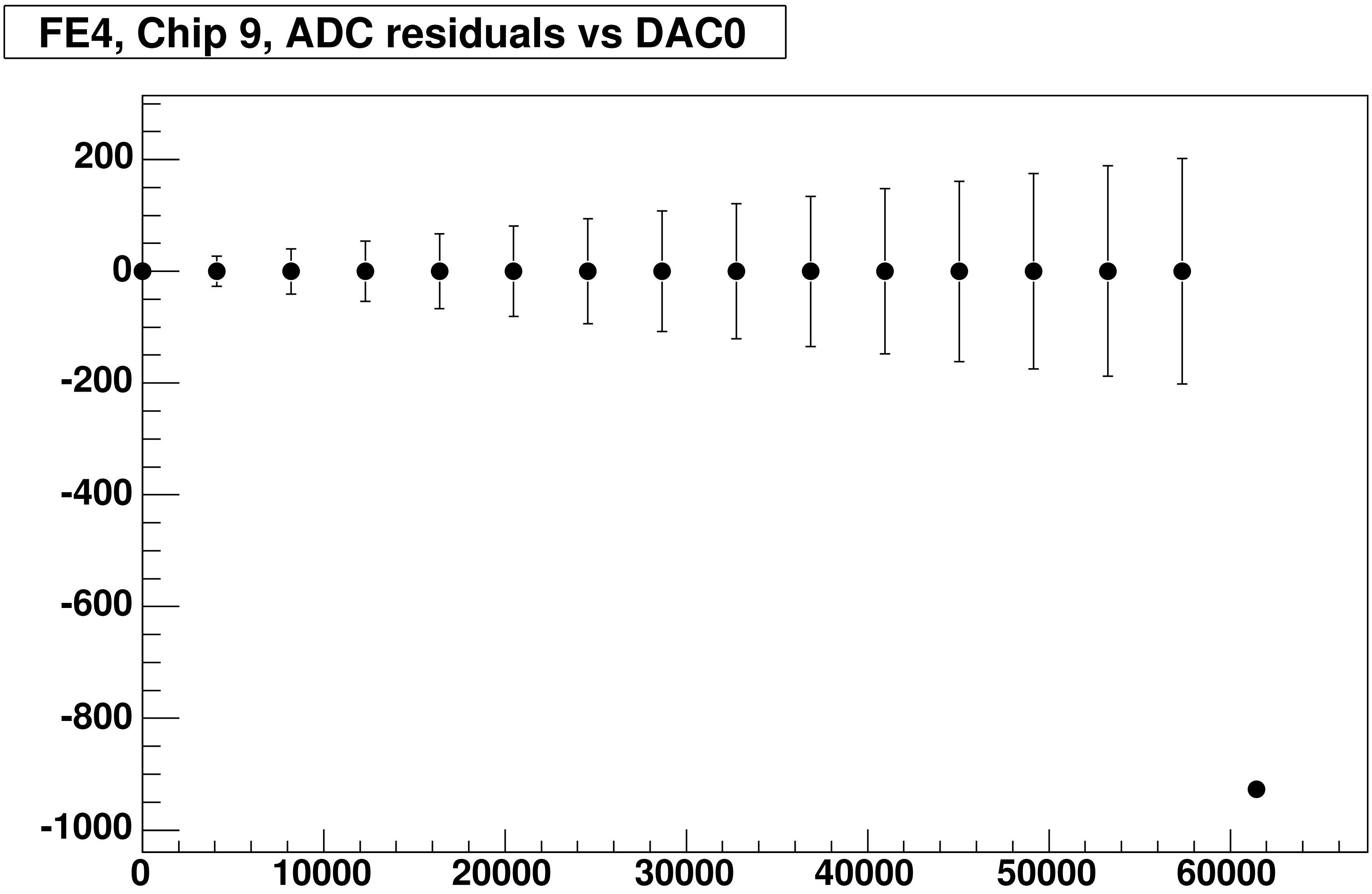
FE4, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.001019 / 11
p0 -85.51 ± 31.19
p1 0.4383 ± 0.001602
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

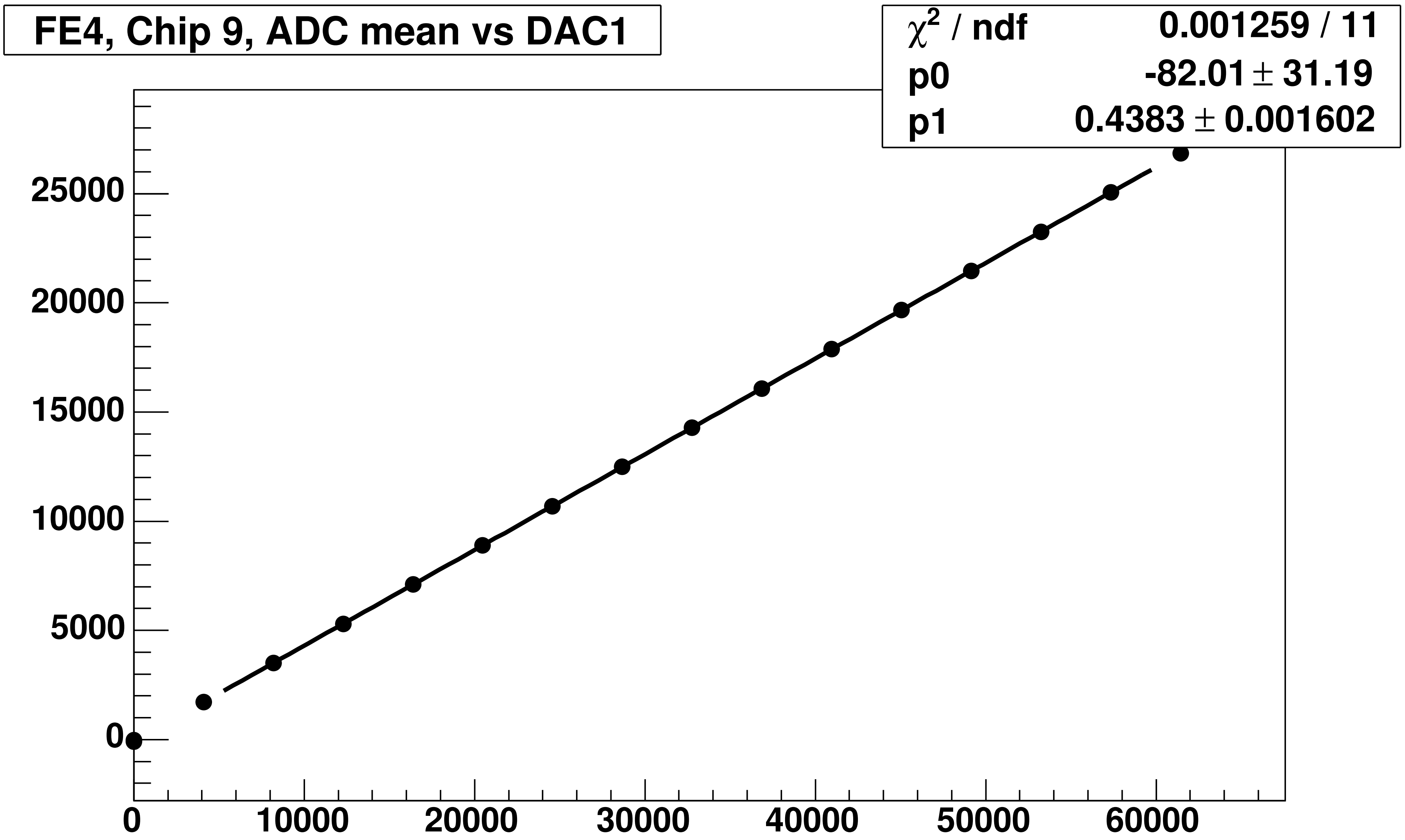

FE4, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

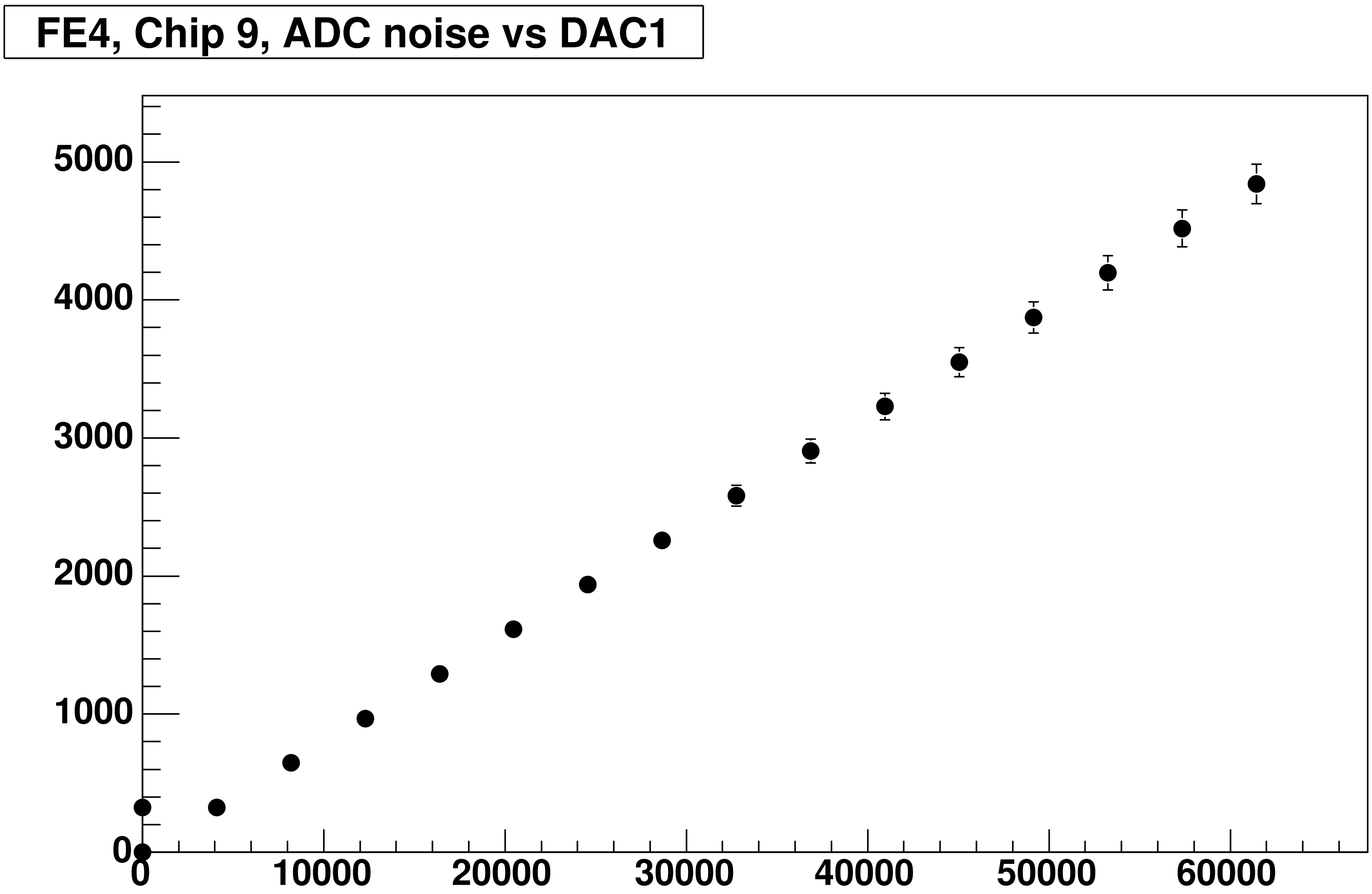

FE4, Chip 9, ADC mean vs DAC0
χ^2 / ndf 1.166e-05 / 11
p0 -26.11 ± 42.1
p1 0.01414 ± 0.001897
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

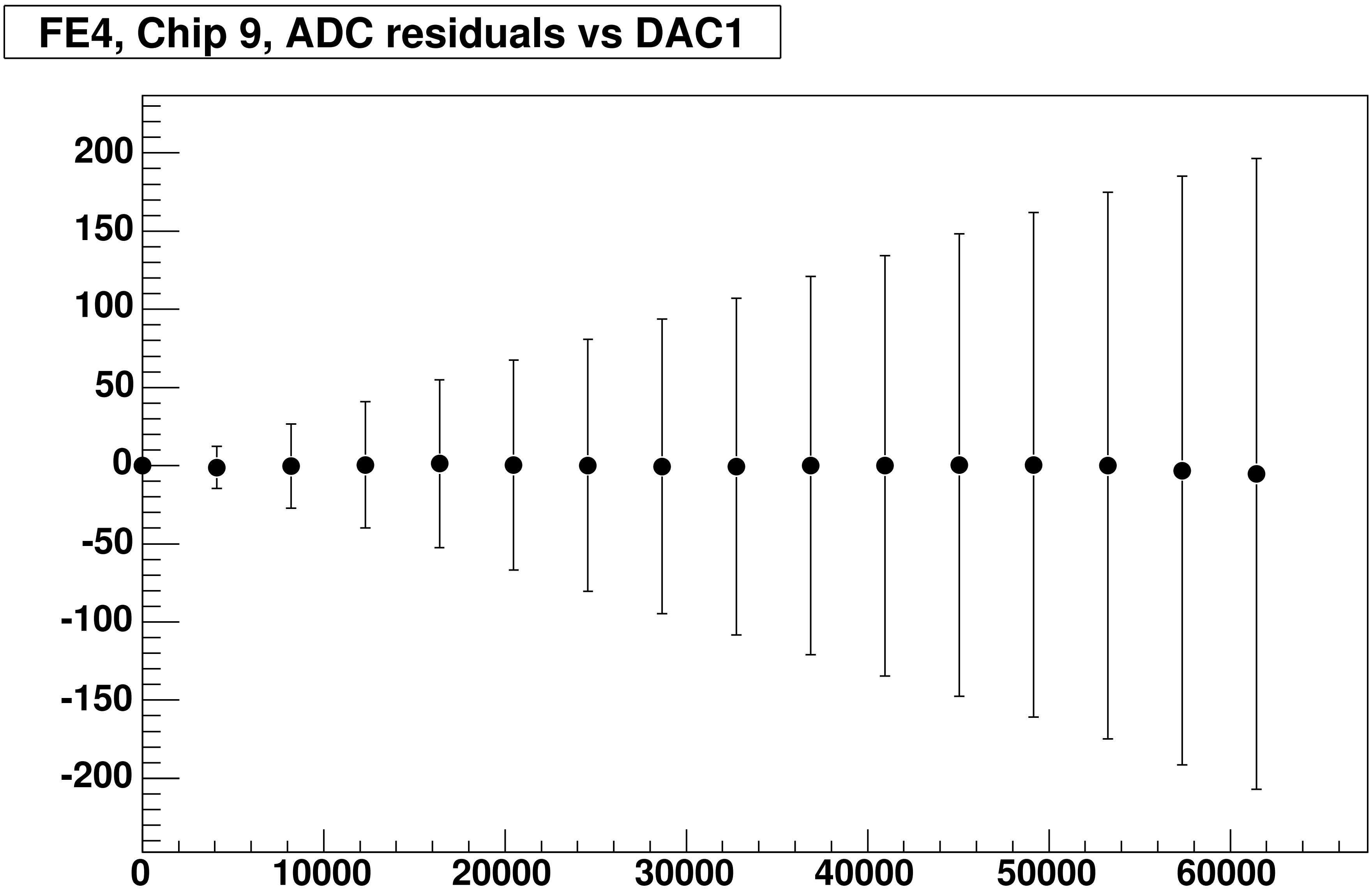

FE4, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

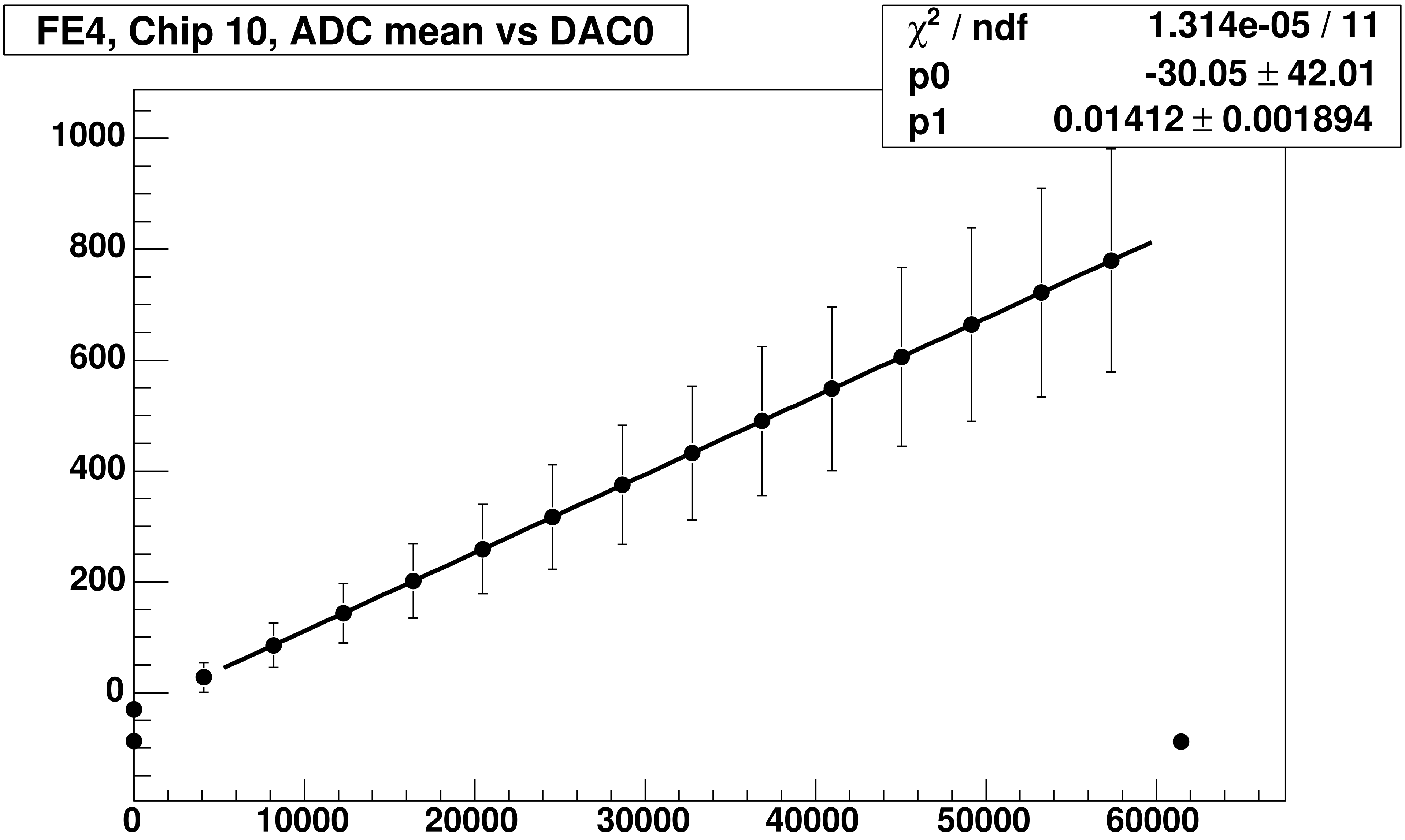

FE4, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

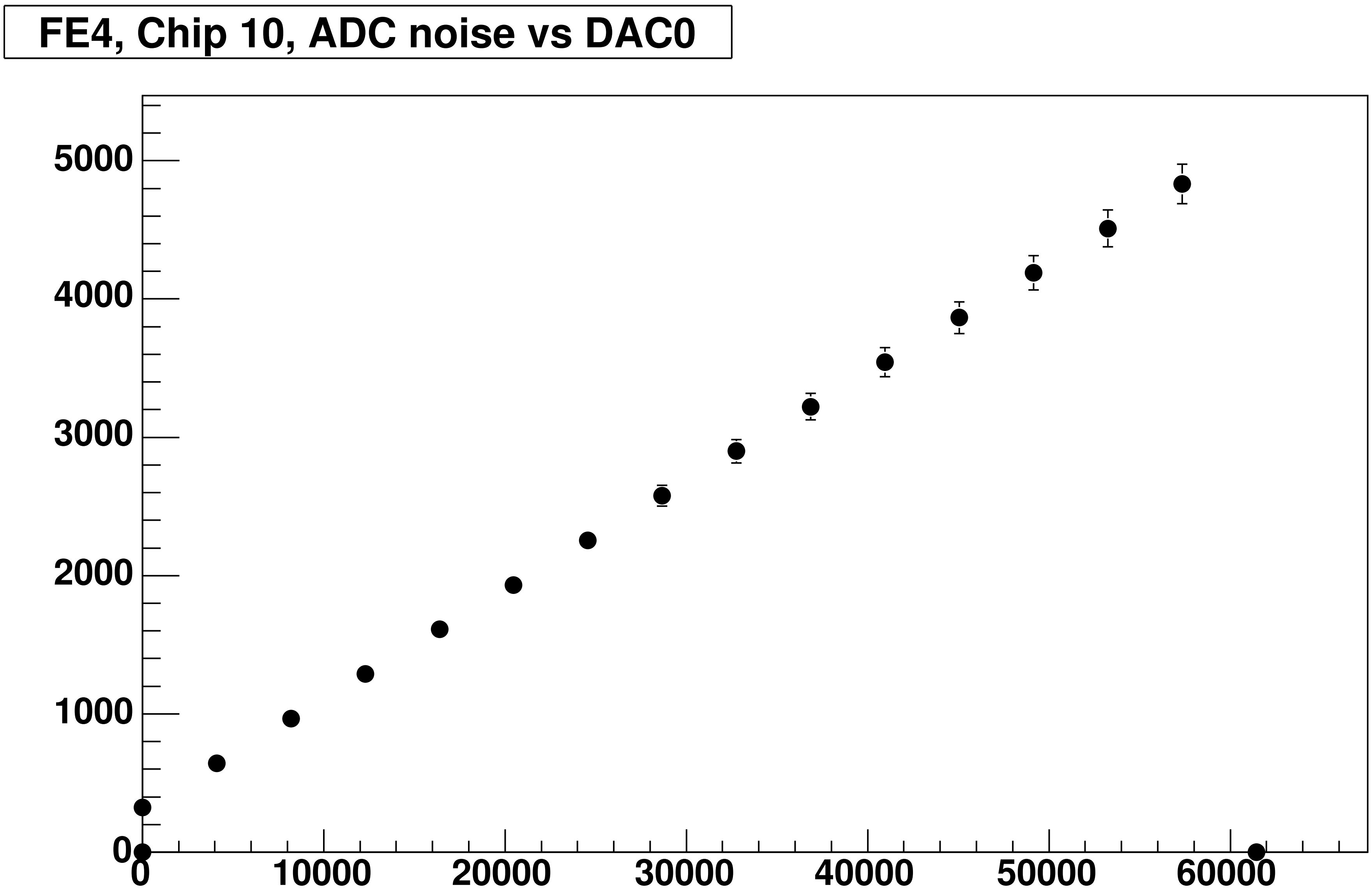


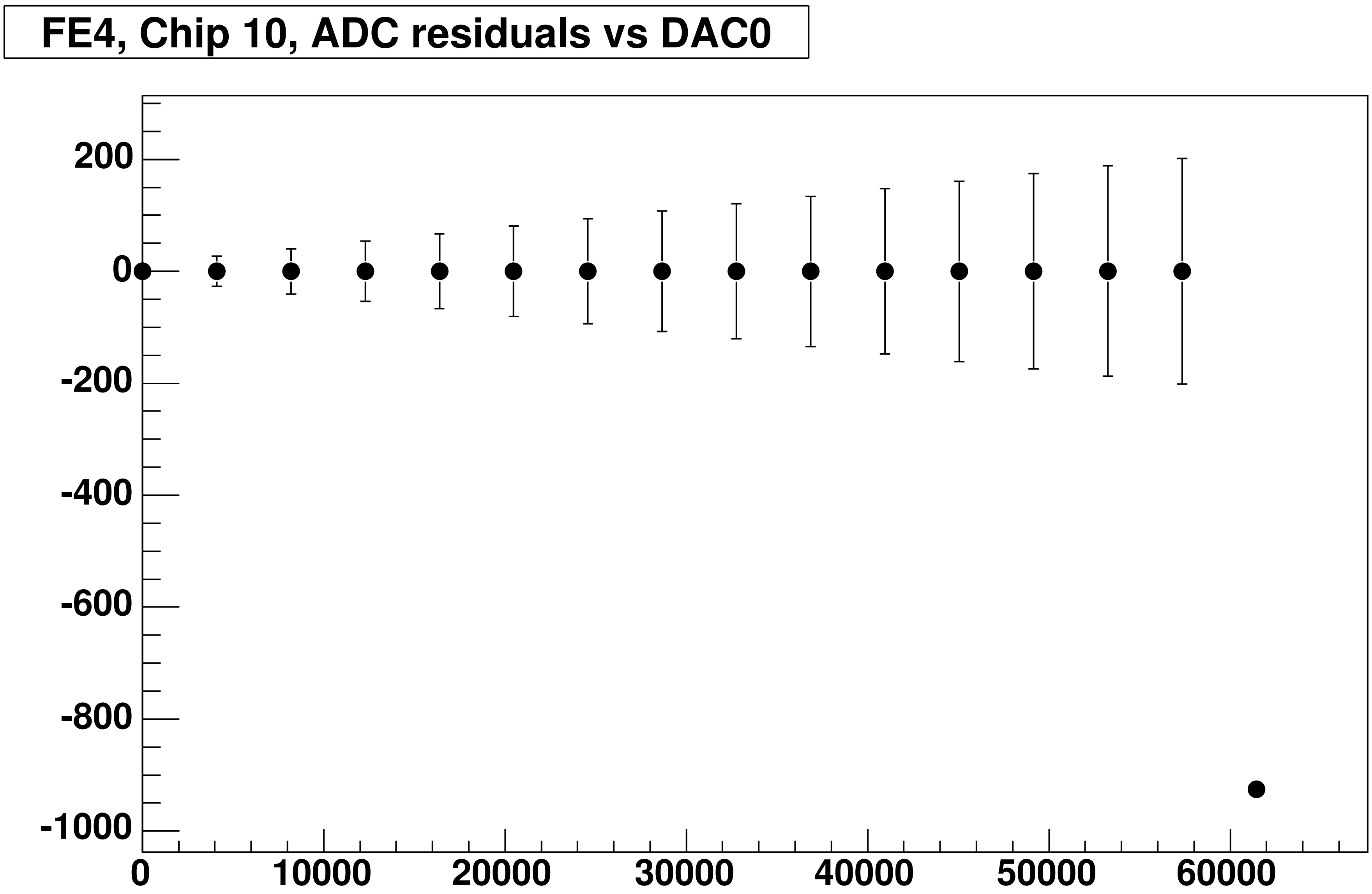
FE4, Chip 9, ADC mean vs DAC1
χ2 / ndf 0.001259 / 11
p0 -82.01 ± 31.19
p1 0.4383 ± 0.001602
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

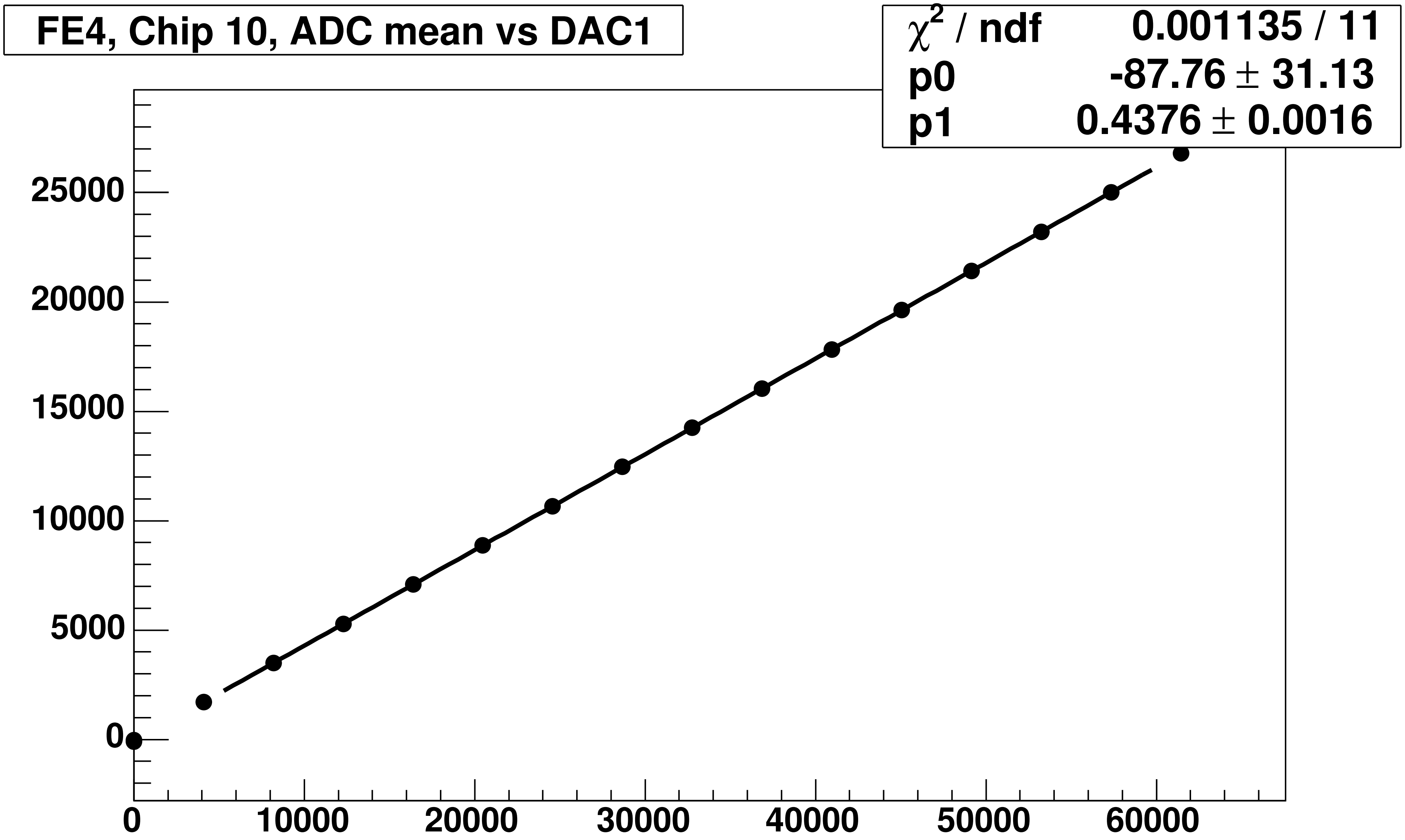

FE4, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

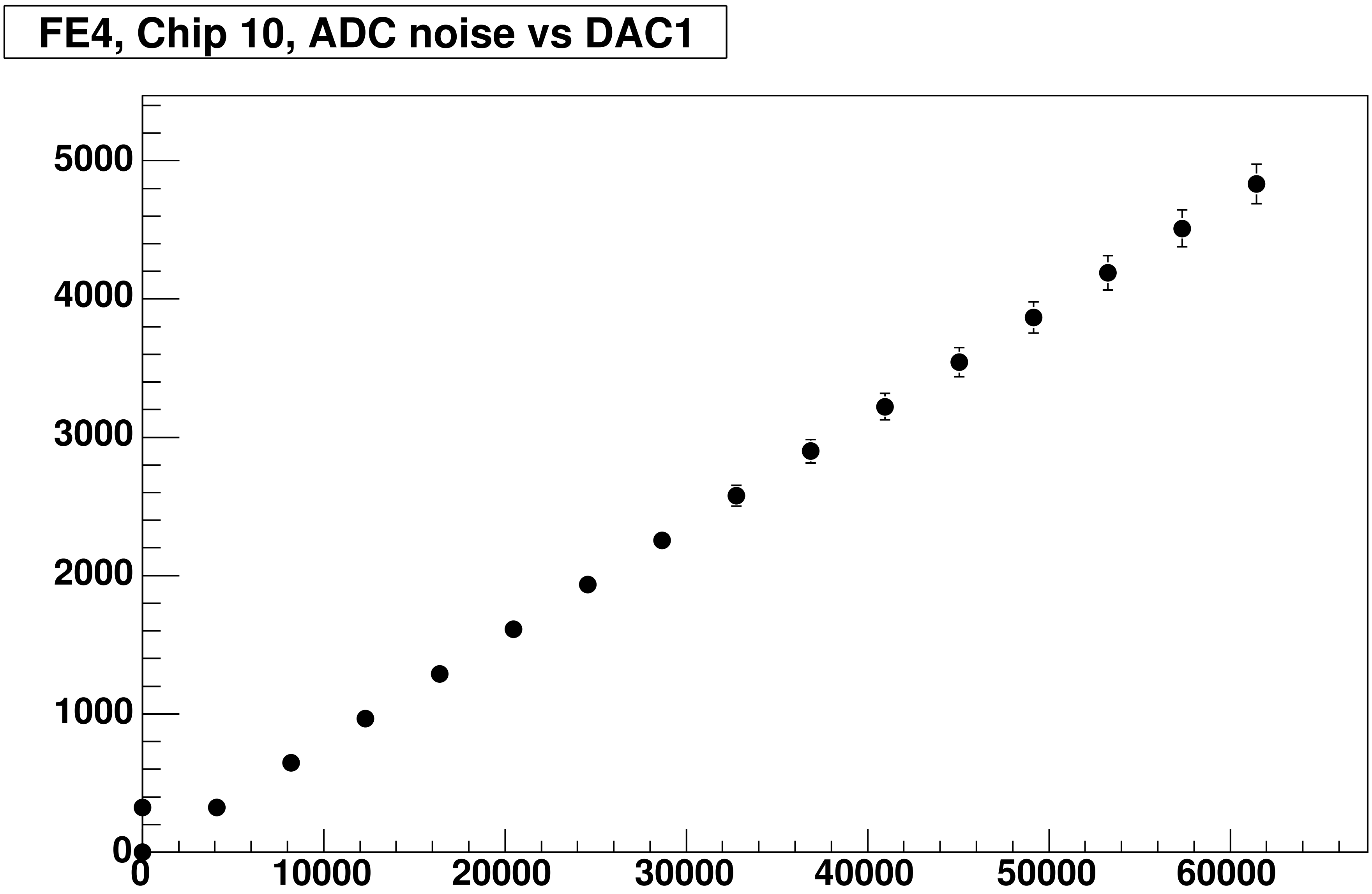

FE4, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

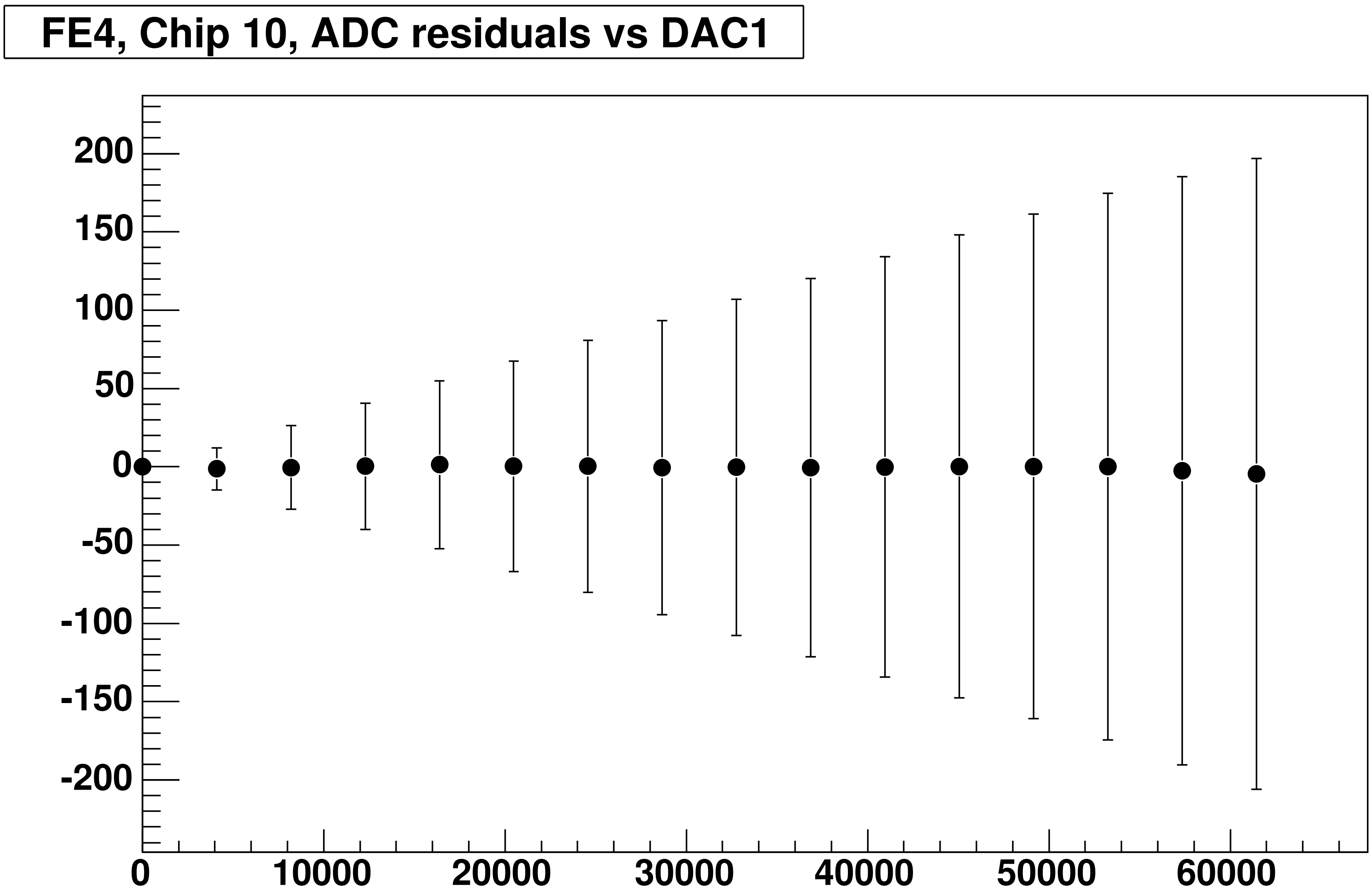

FE4, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1.314e-05 / 11
p0 -30.05 ± 42.01
p1 0.01412 ± 0.001894
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

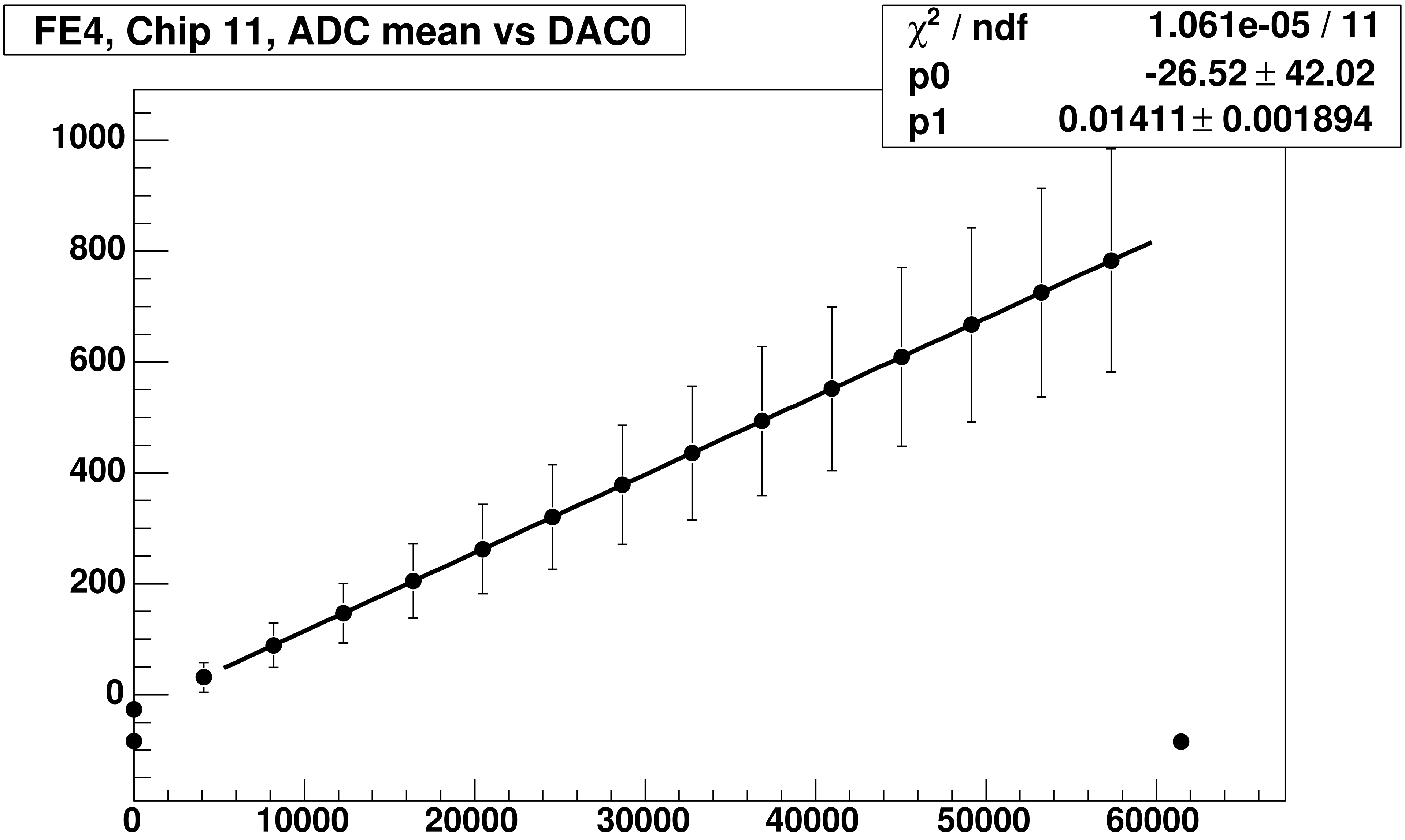

FE4, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

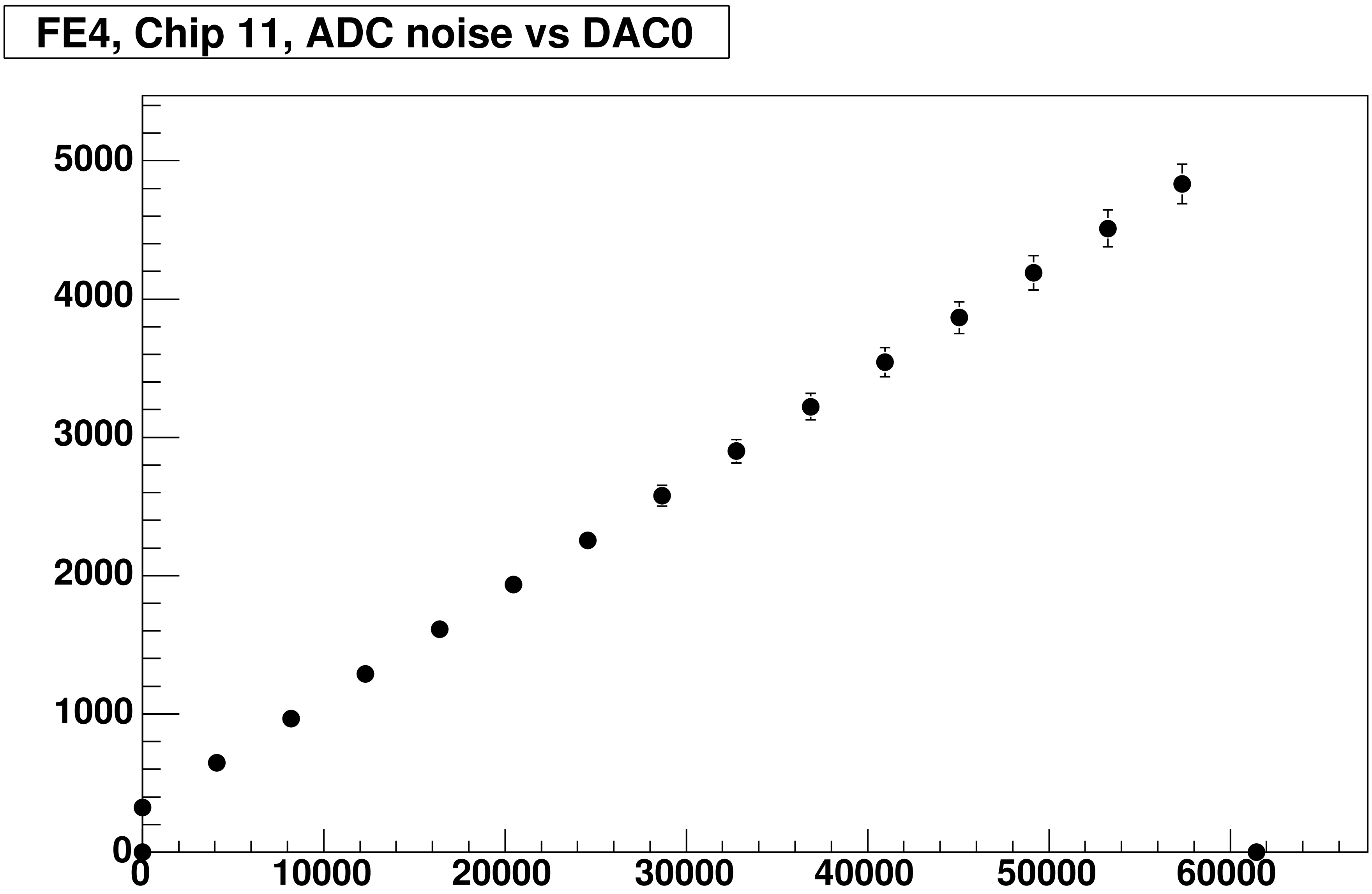

FE4, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001135 / 11
p0 -87.76 ± 31.13
p1 0.4376 ± 0.0016
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

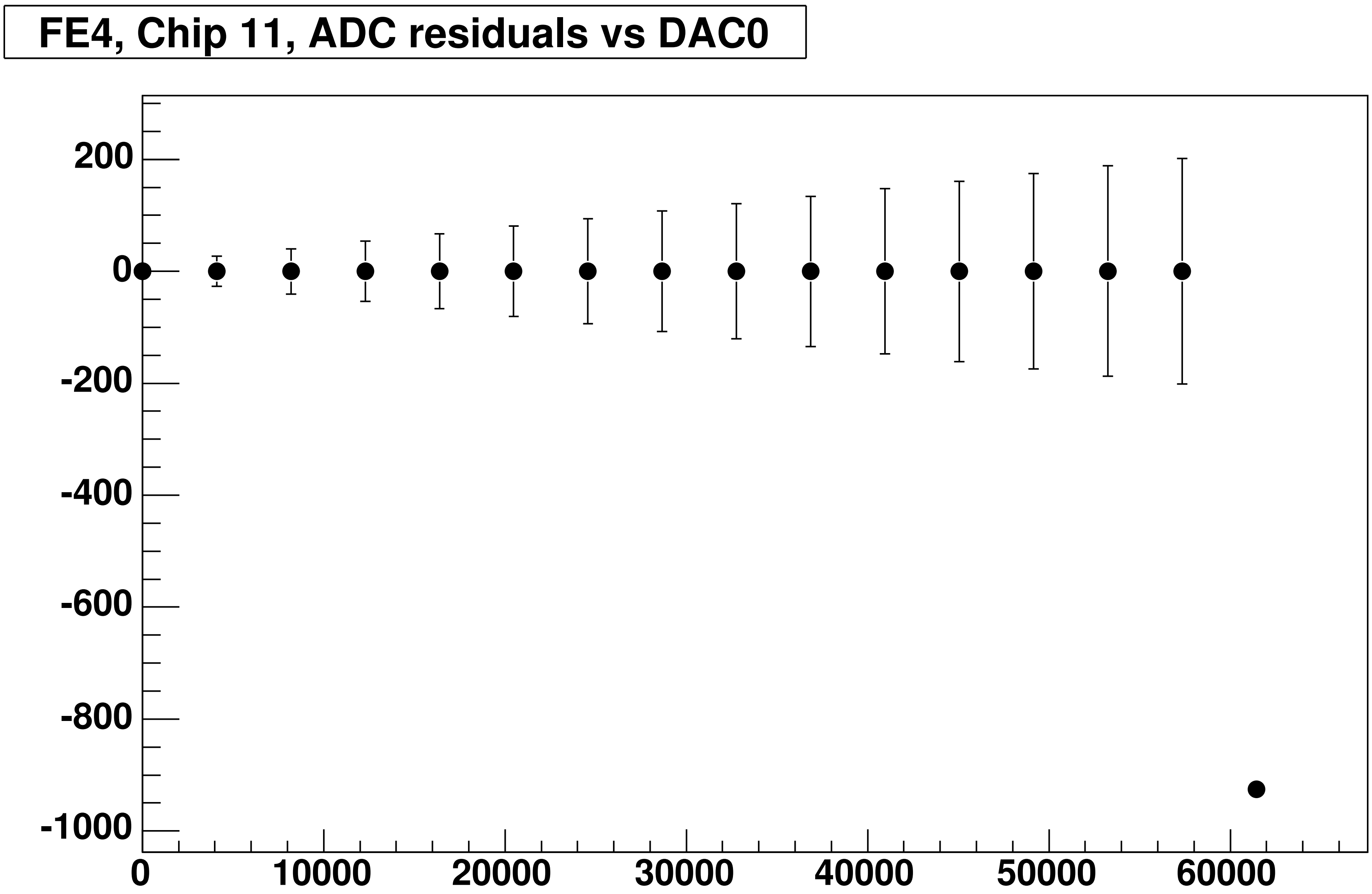


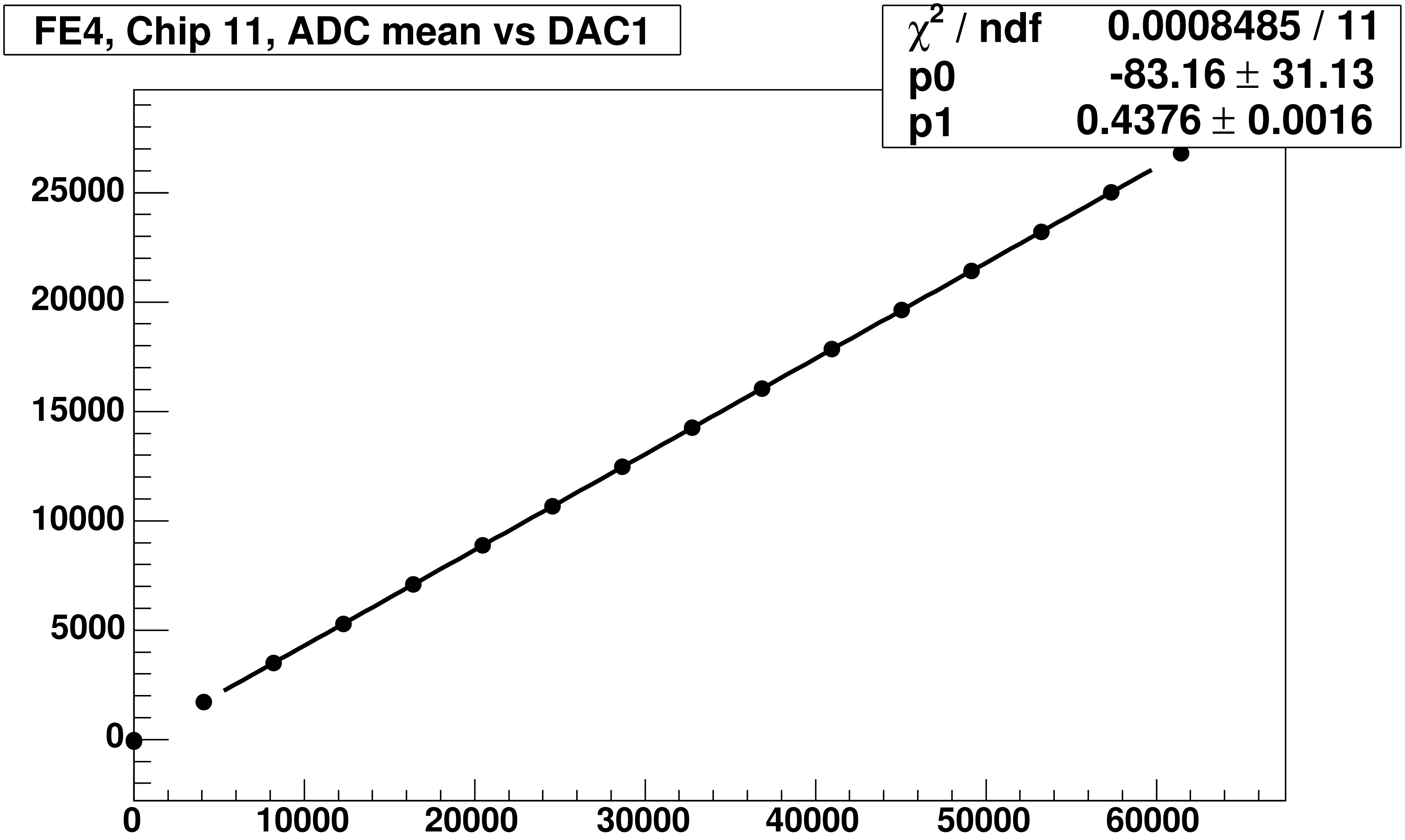
FE4, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE4, Chip 11, ADC mean vs DAC0
χ² / ndf 1.061e-05 / 11
p0 -26.52 ± 42.02
p1 0.01411 ± 0.001894
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

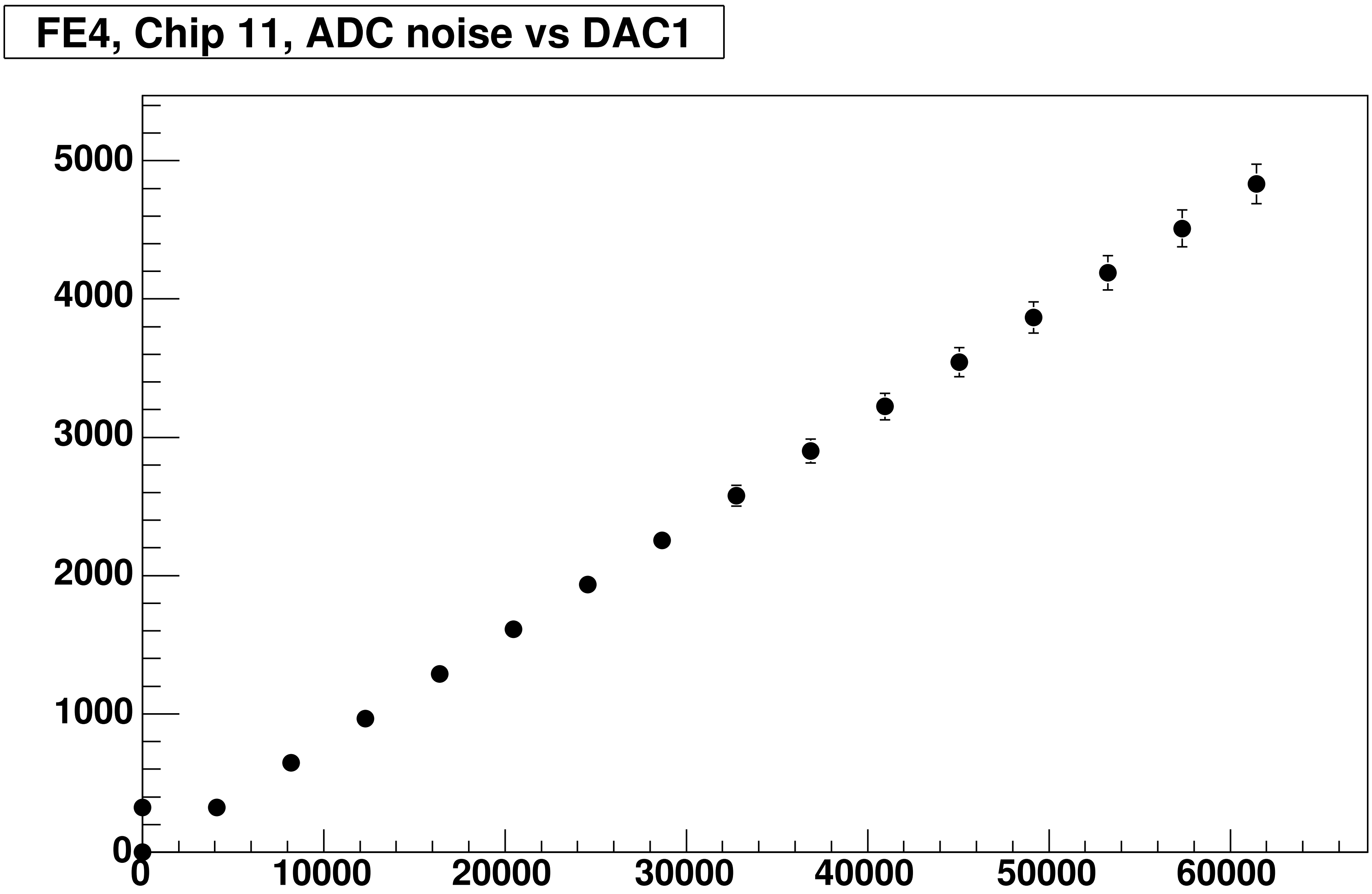


FE4, Chip 11, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

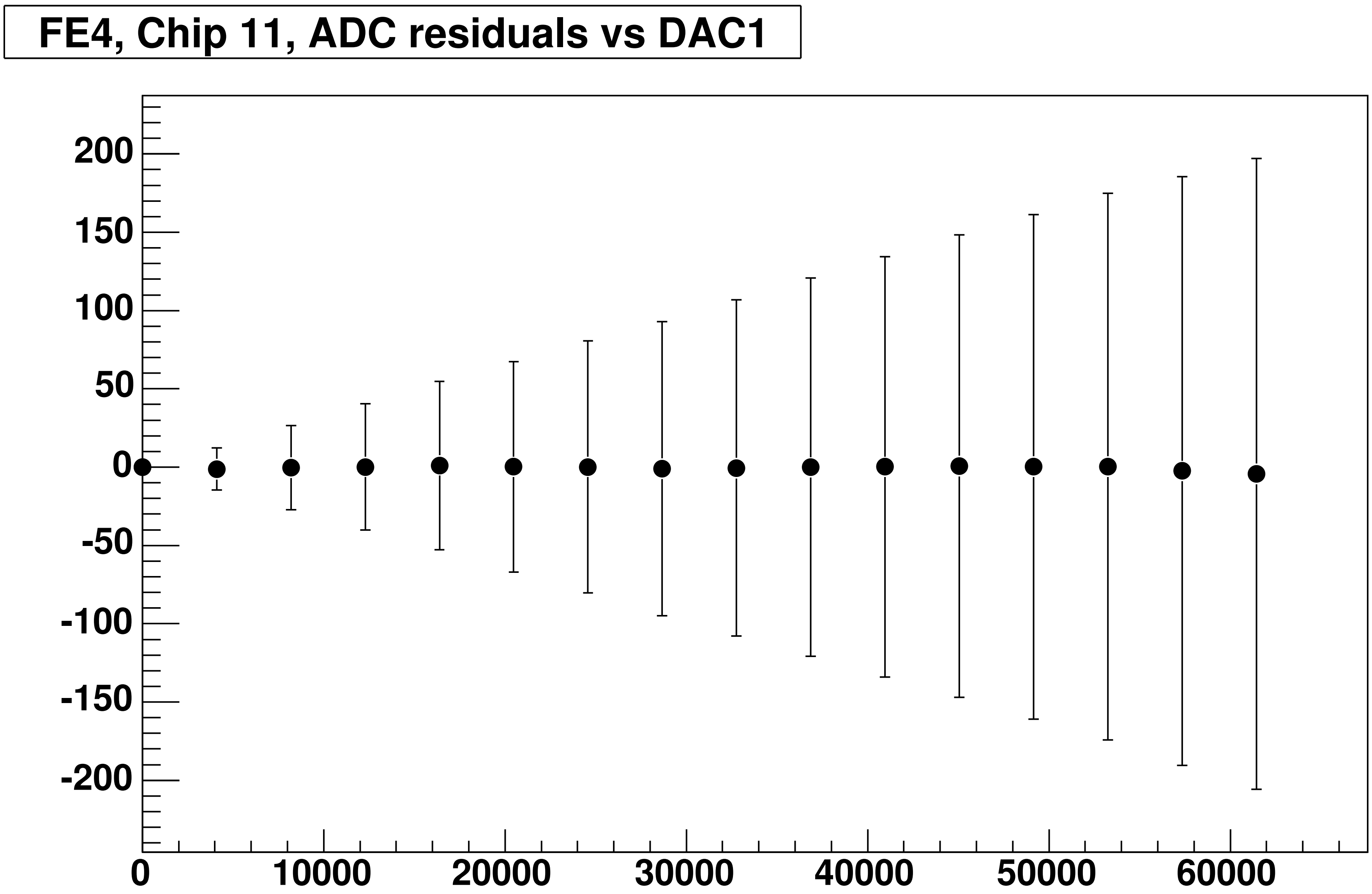

FE4, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

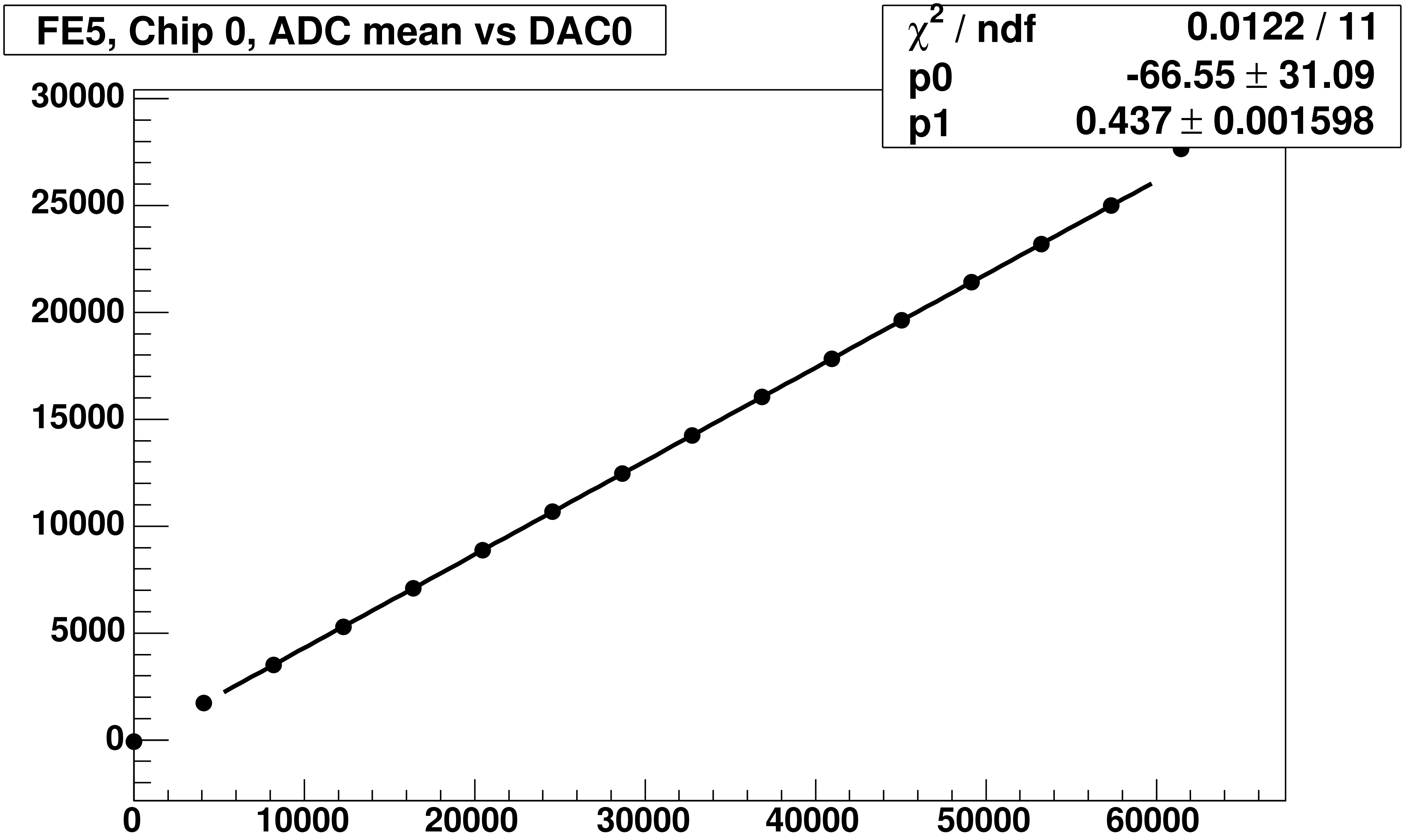


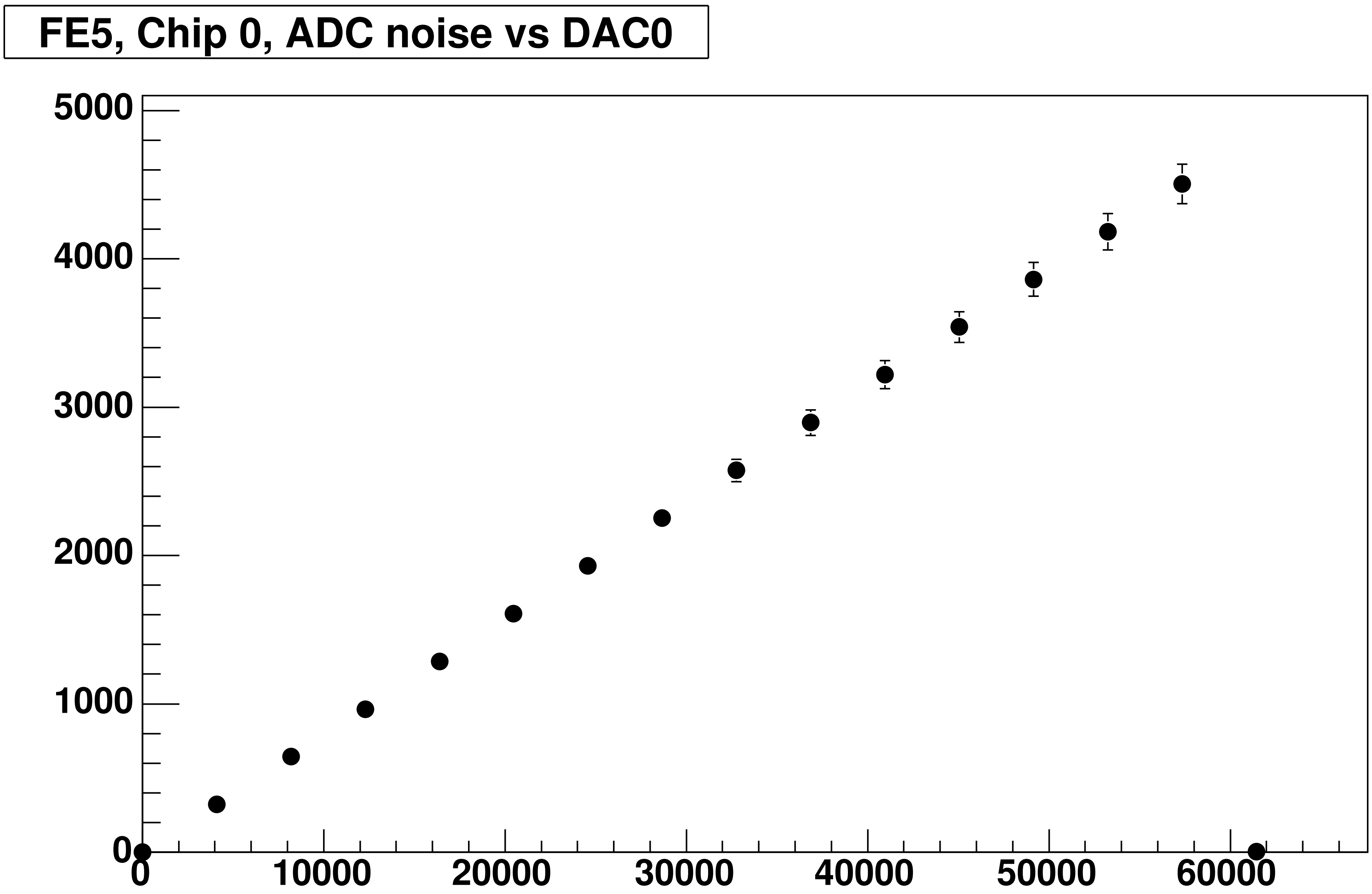
FE4, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0008485 / 11
p0 -83.16 ± 31.13
p1 0.4376 ± 0.0016
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000



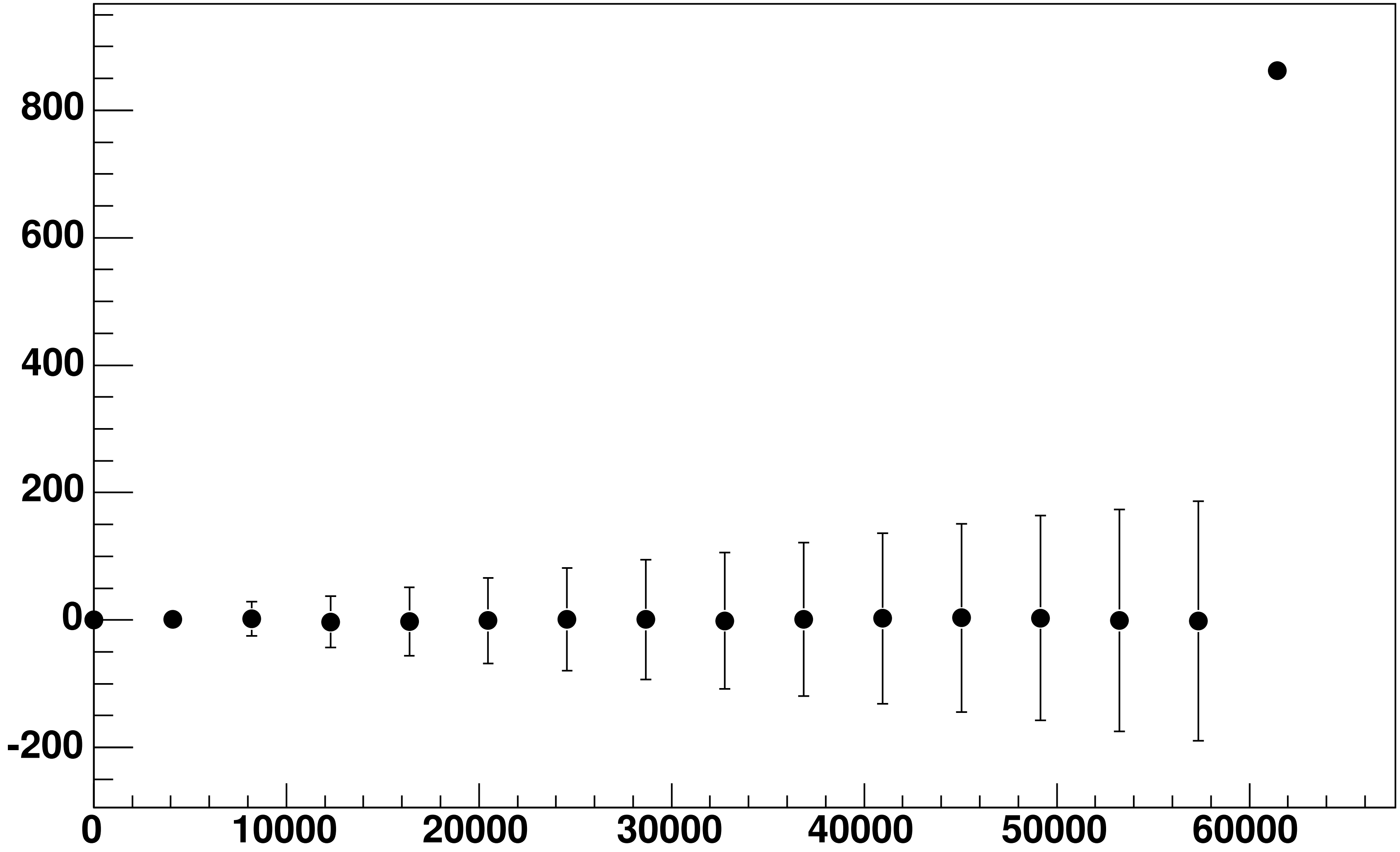
FE4, Chip 11, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

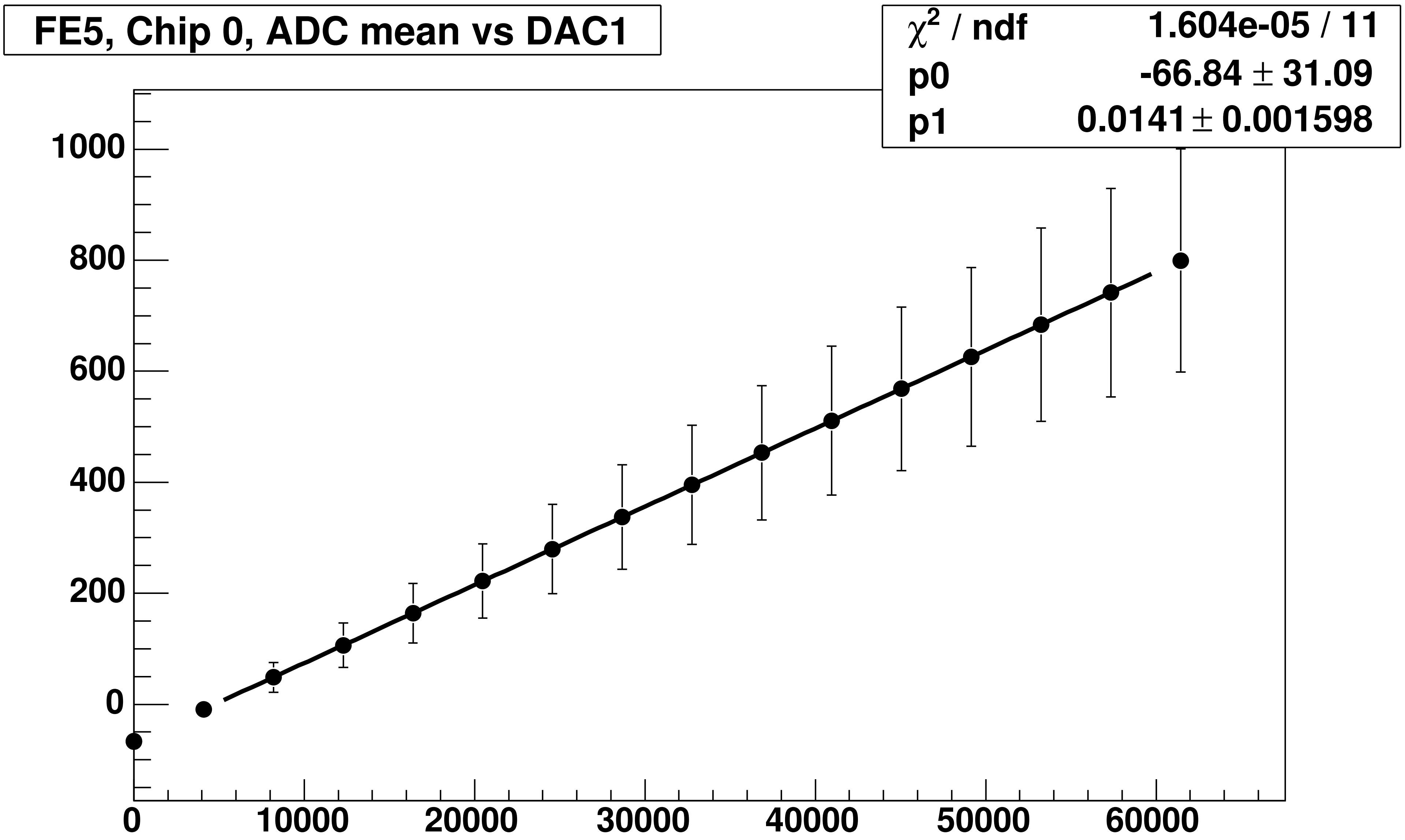

FE4, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.0122 / 11
p0 -66.55 ± 31.09
p1 0.437 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

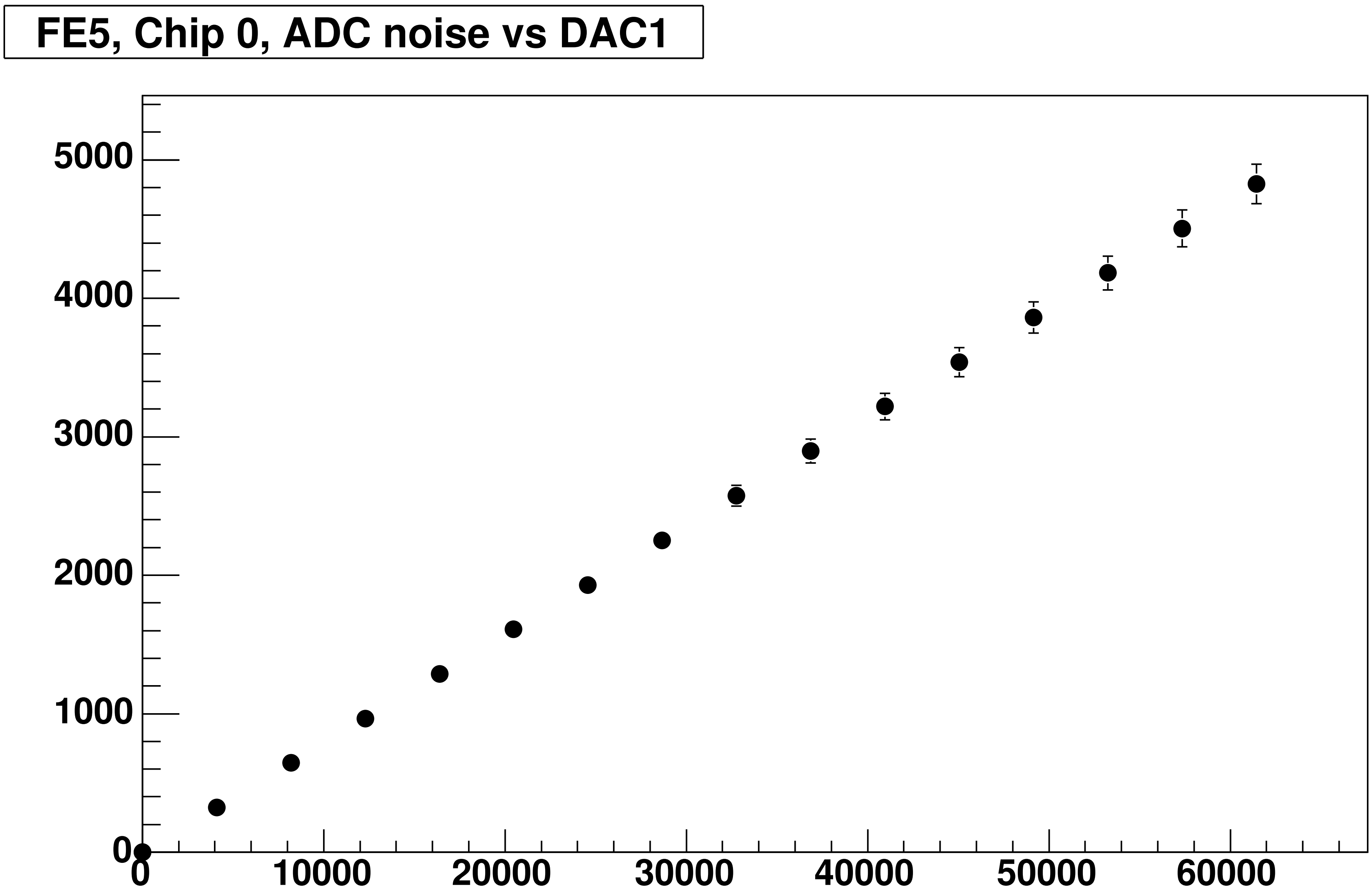

FE5, Chip 0, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

FE5, Chip 0, ADC residuals vs DAC0

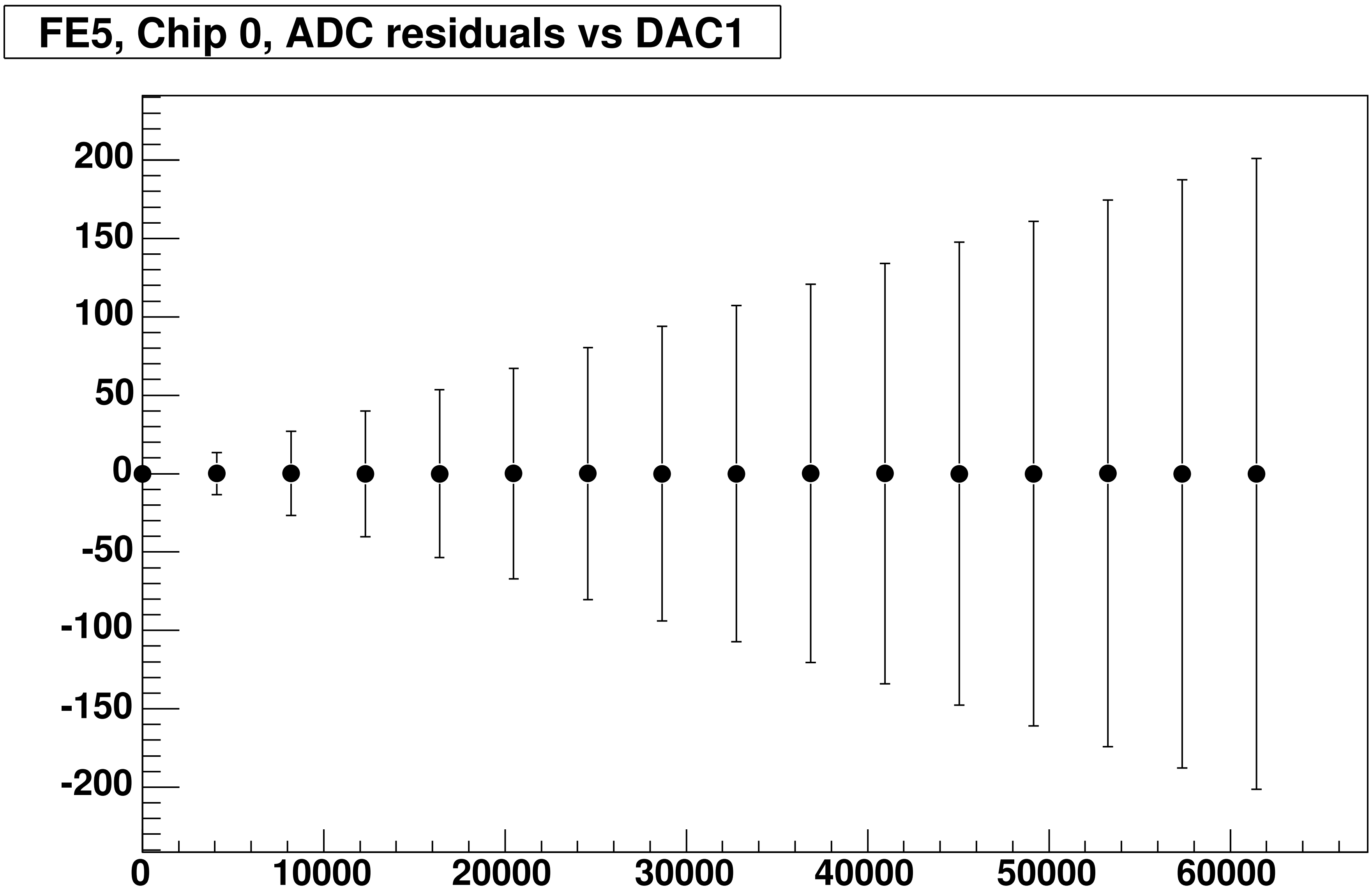


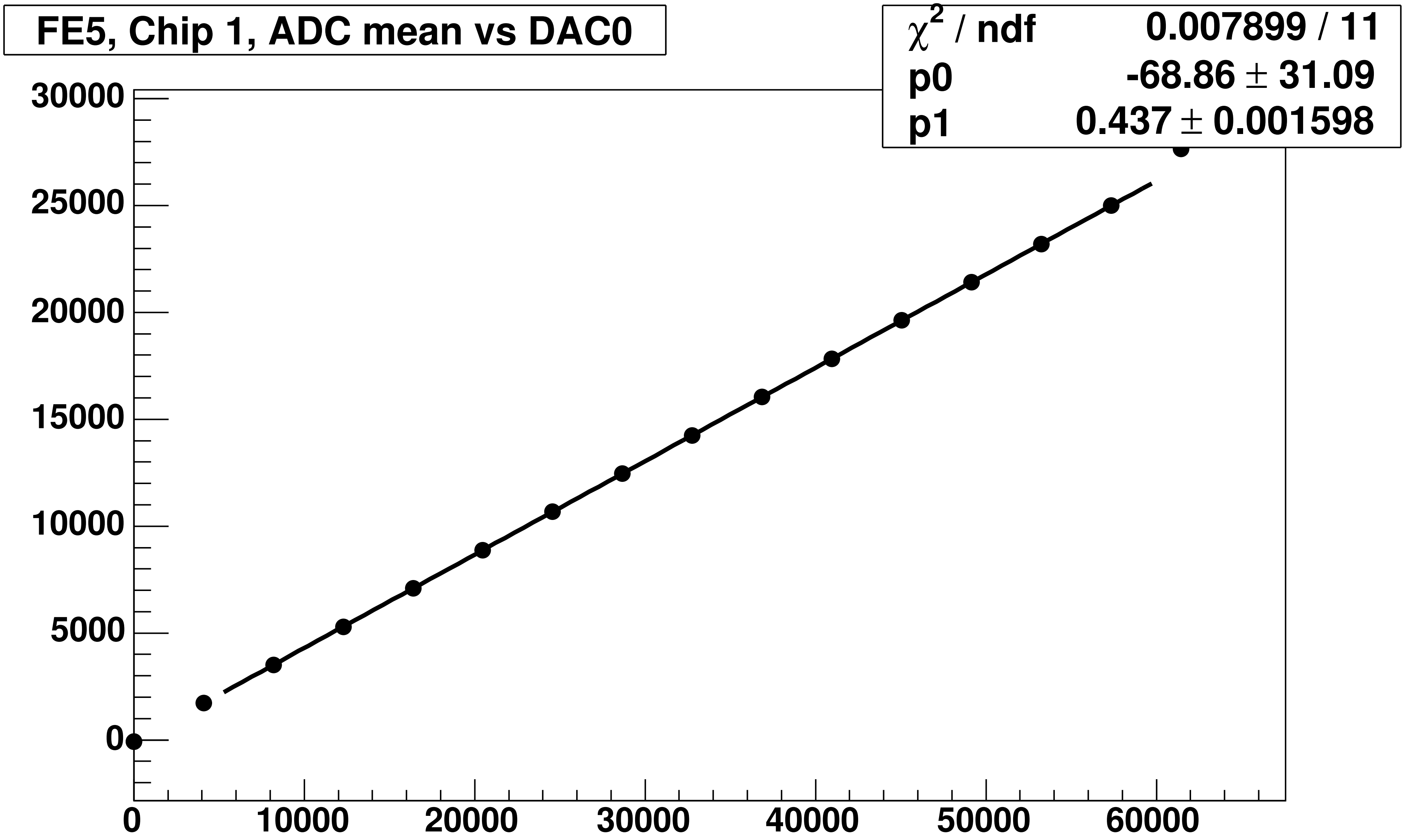


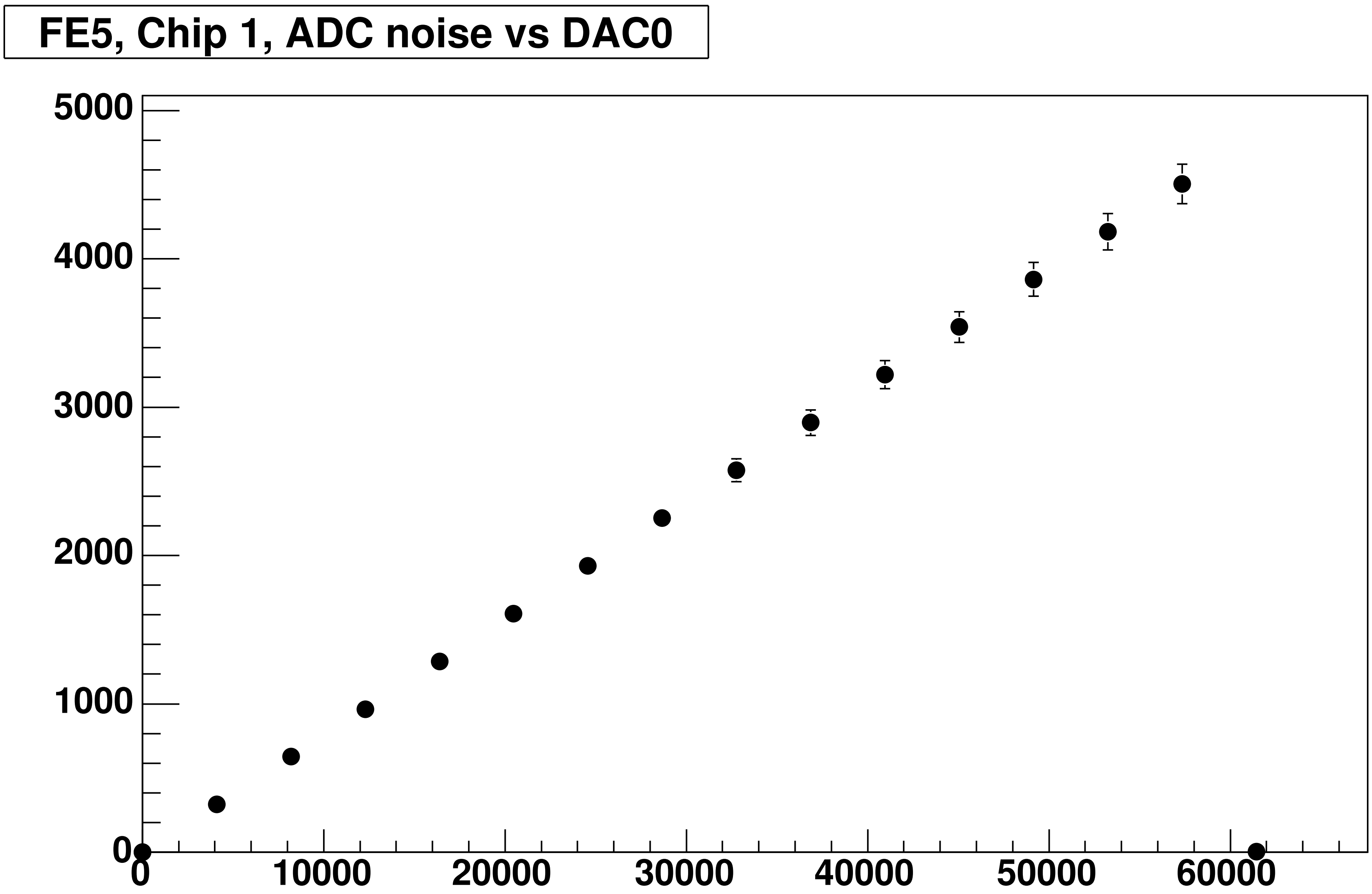
FE5, Chip 0, ADC mean vs DAC1
χ^2 / ndf 1.604e-05 / 11
p0 -66.84 ± 31.09
p1 0.0141 ± 0.001598
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000



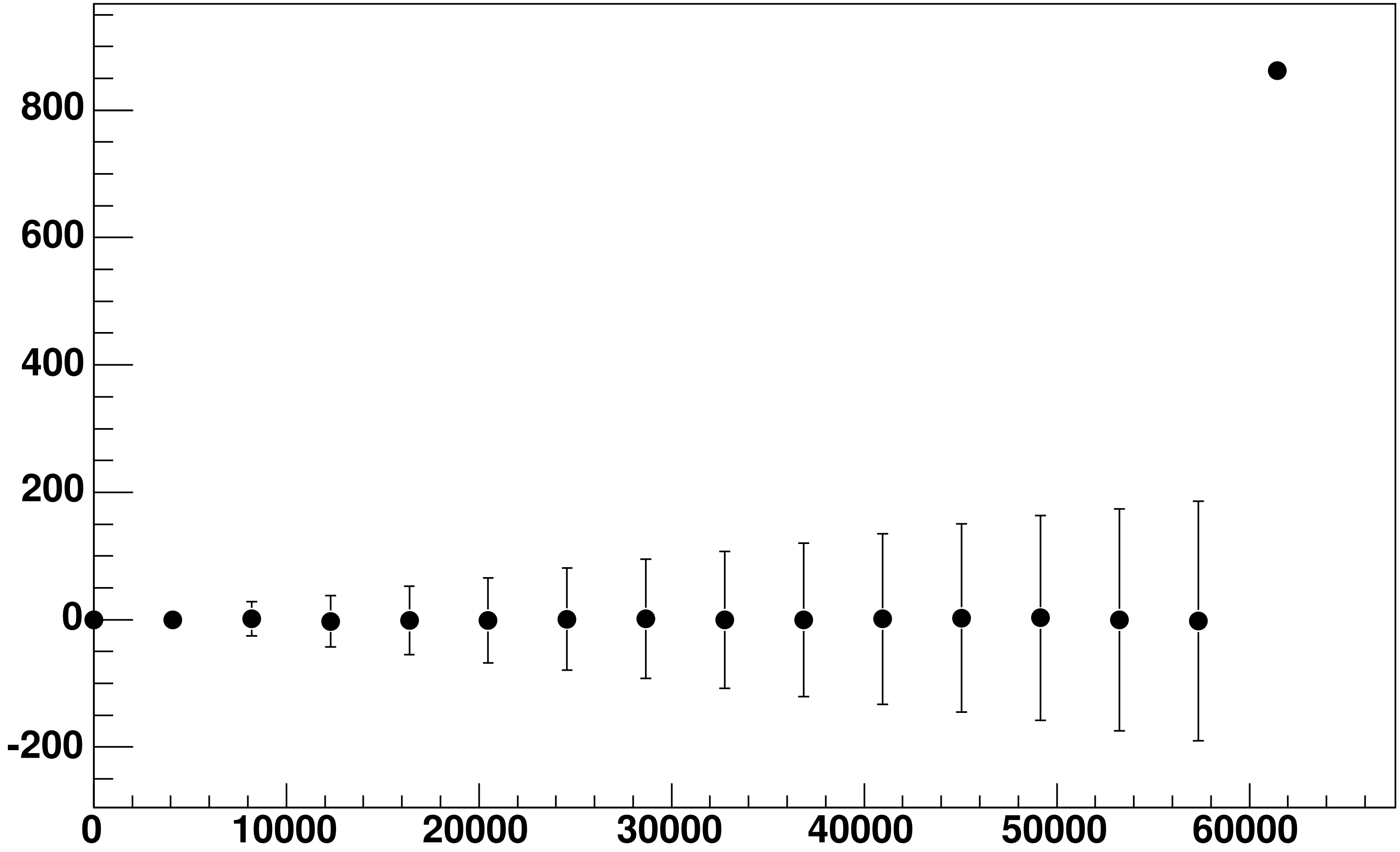
FE5, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

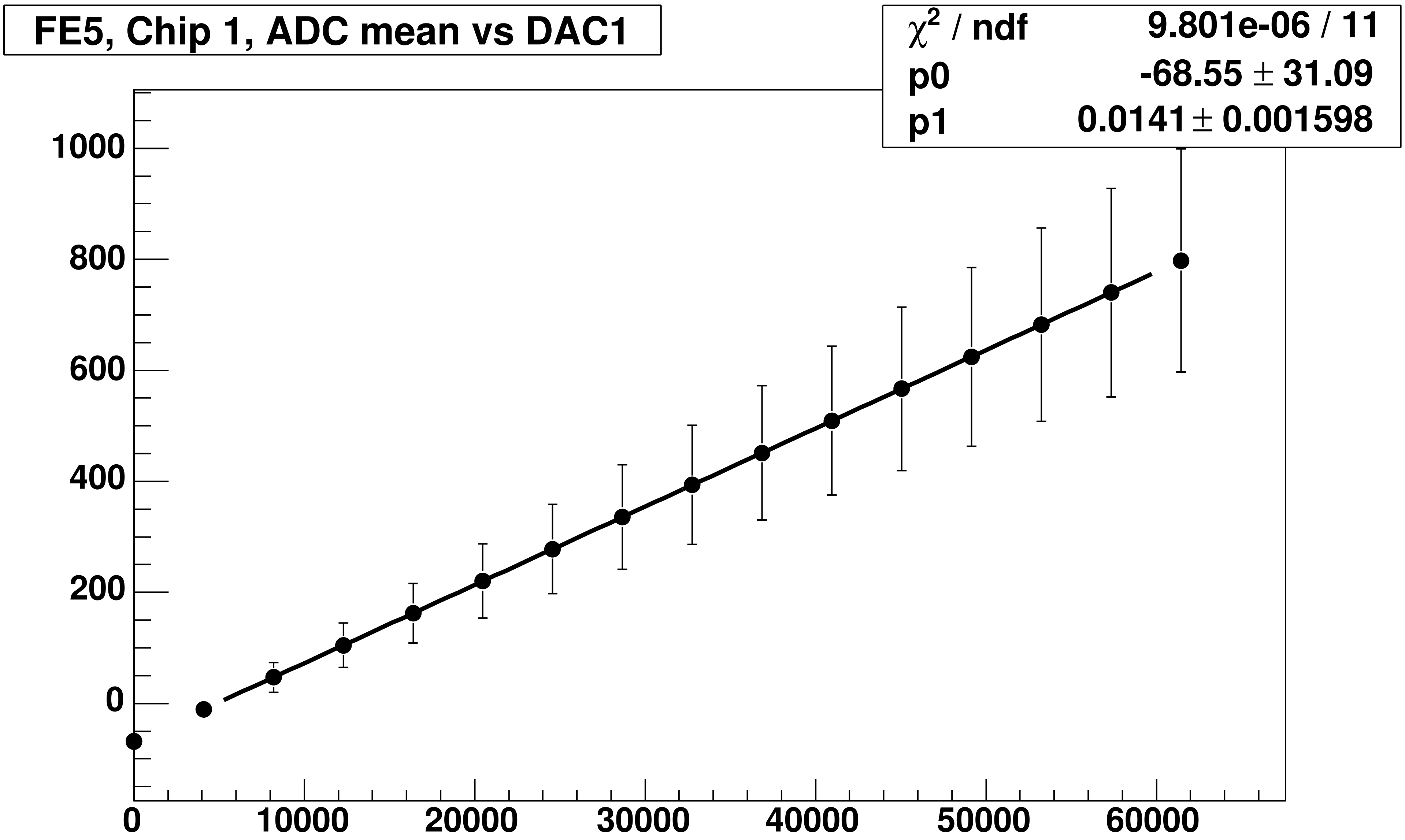

FE5, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 1, ADC mean vs DAC0
χ² / ndf 0.007899 / 11
p0 -68.86 ± 31.09
p1 0.437 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

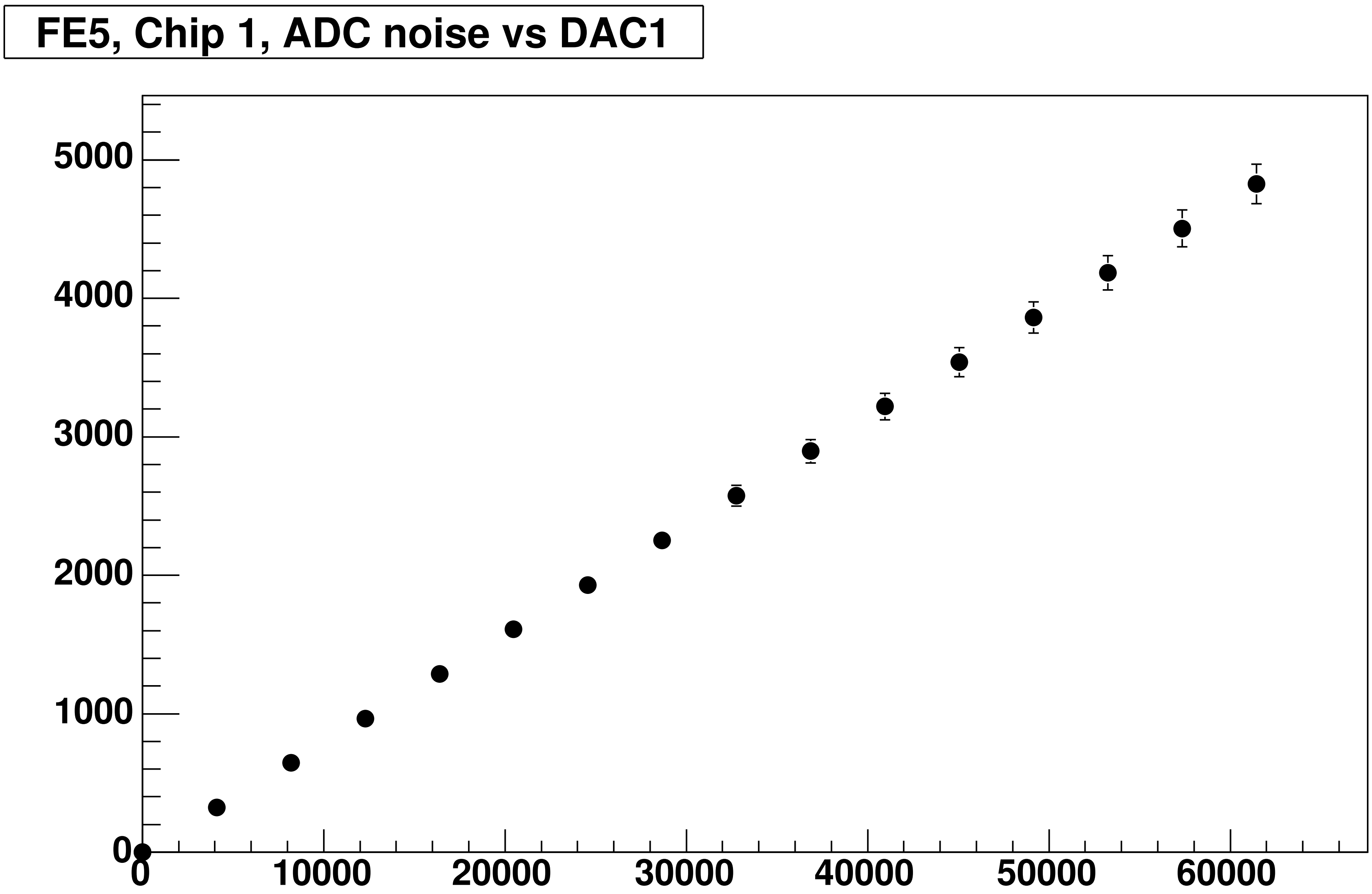

FE5, Chip 1, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

FE5, Chip 1, ADC residuals vs DAC0

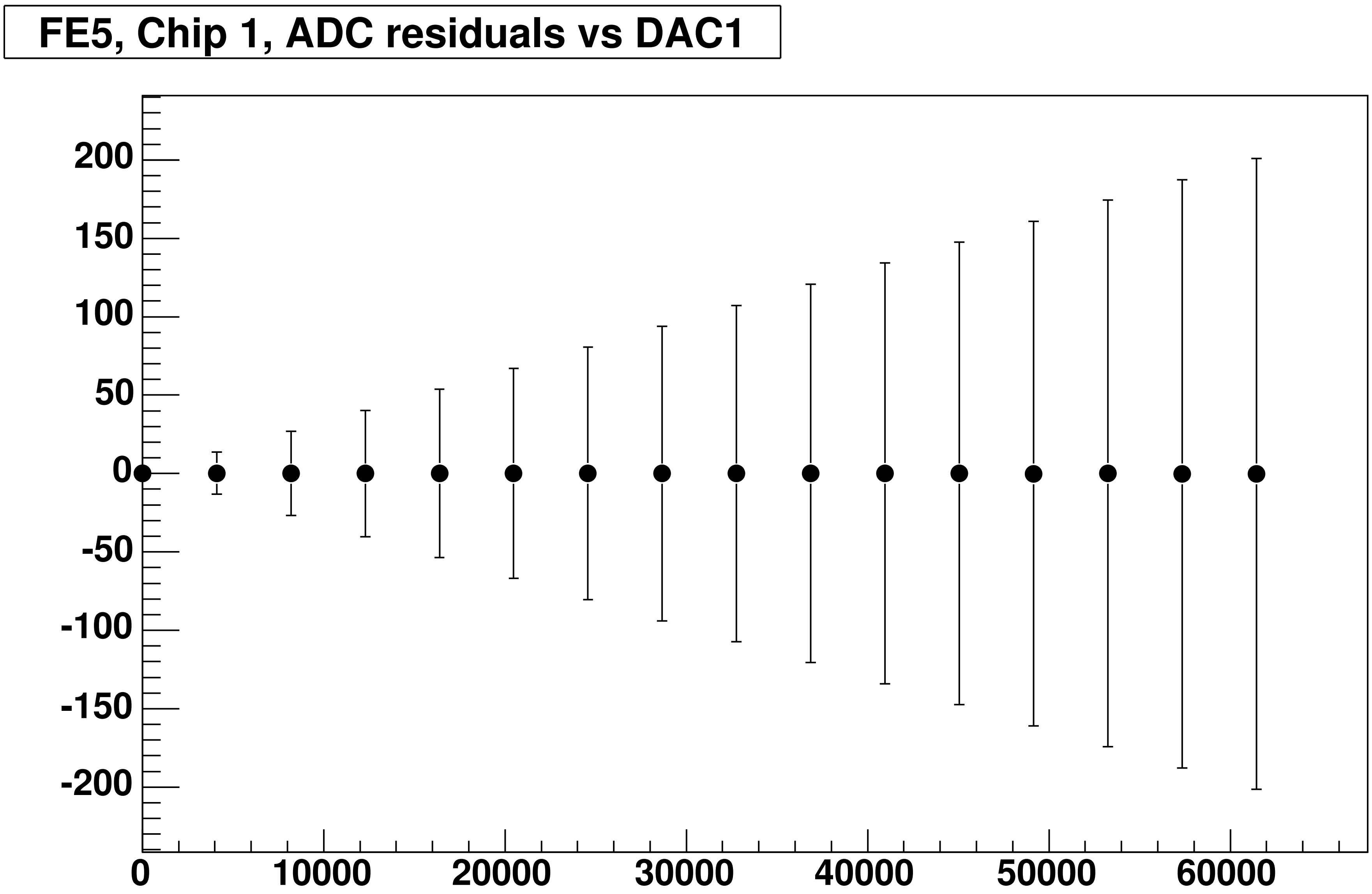


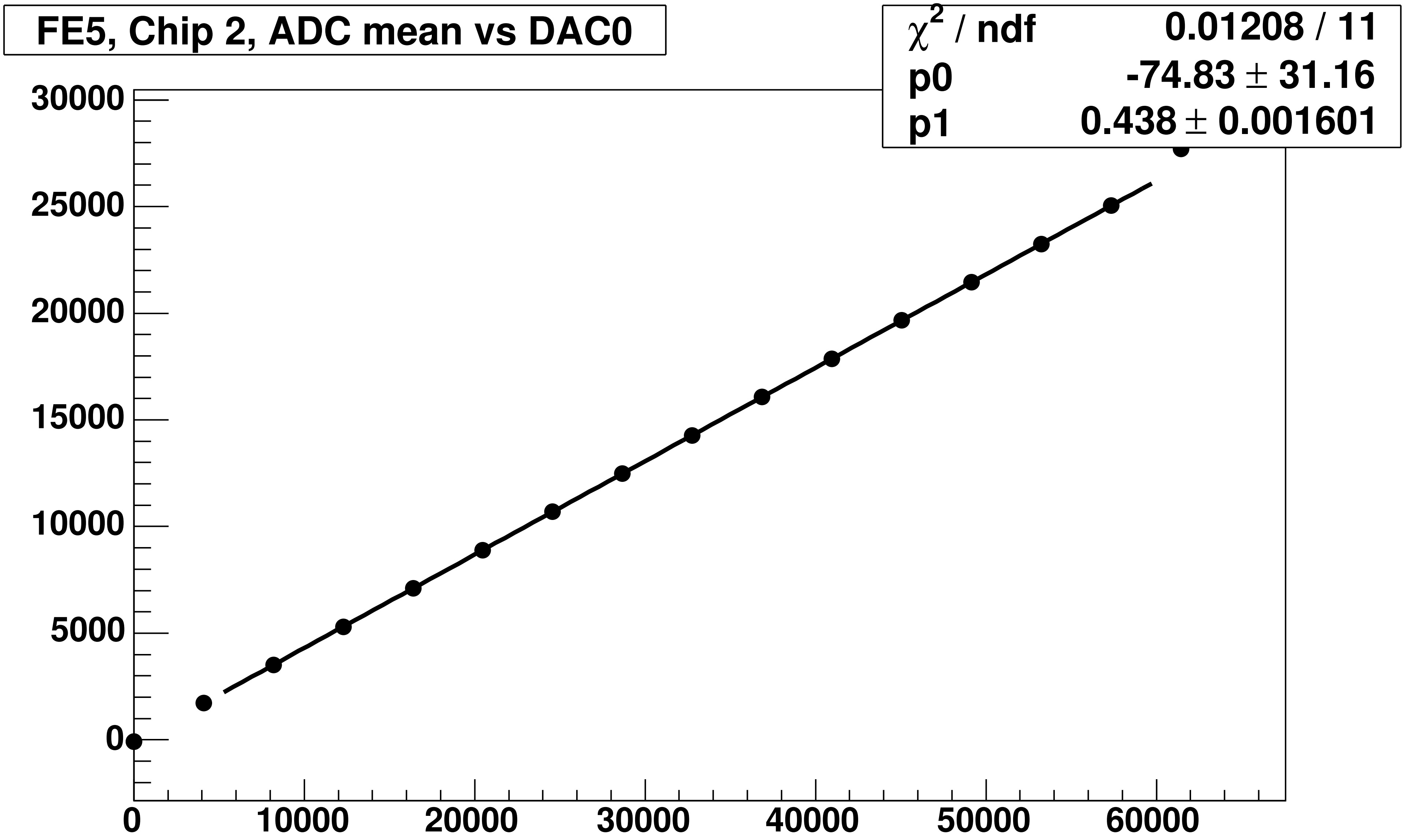


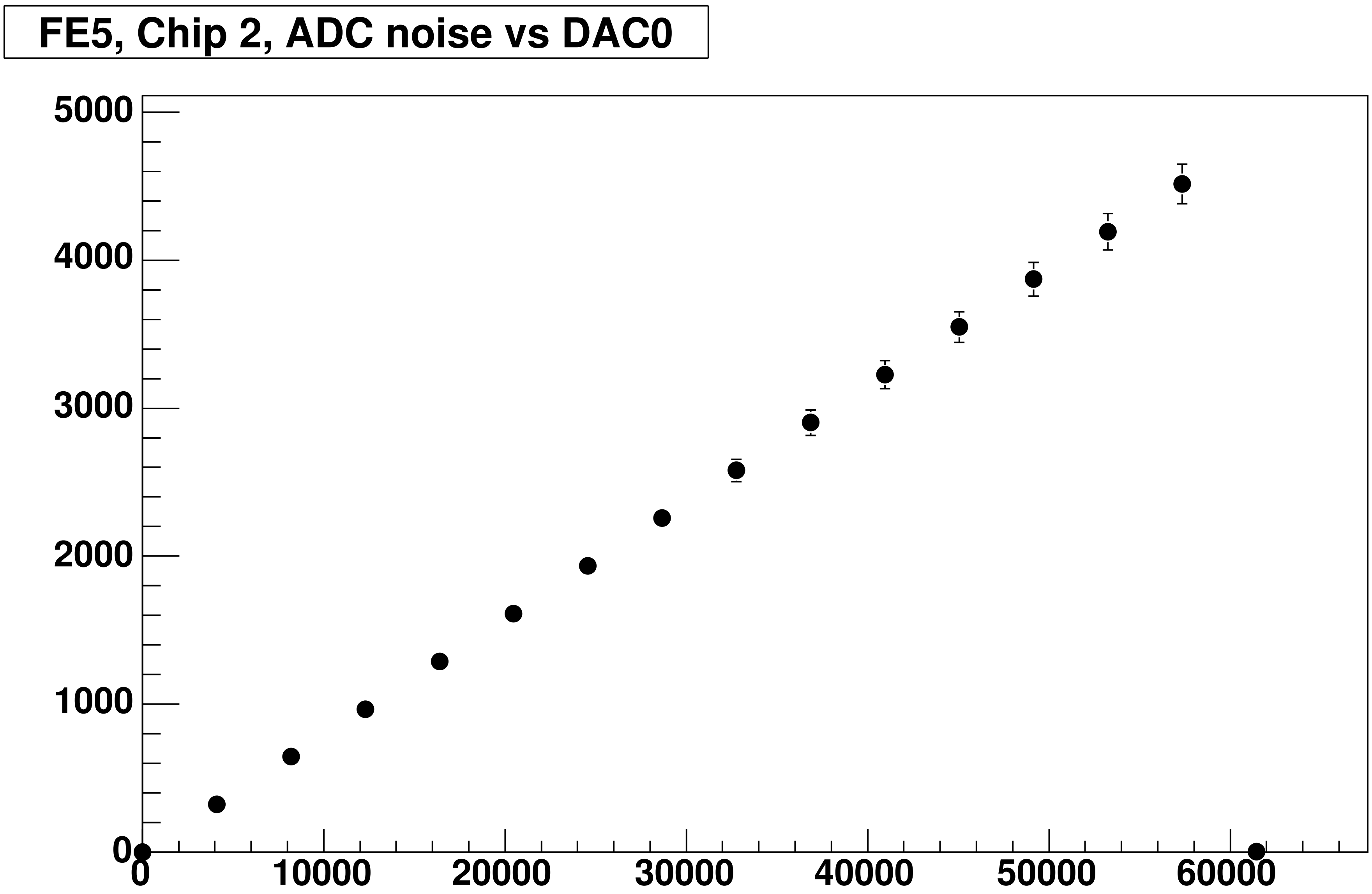
FE5, Chip 1, ADC mean vs DAC1
χ^2 / ndf 9.801e-06 / 11
p0 -68.55 ± 31.09
p1 0.0141 ± 0.001598
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

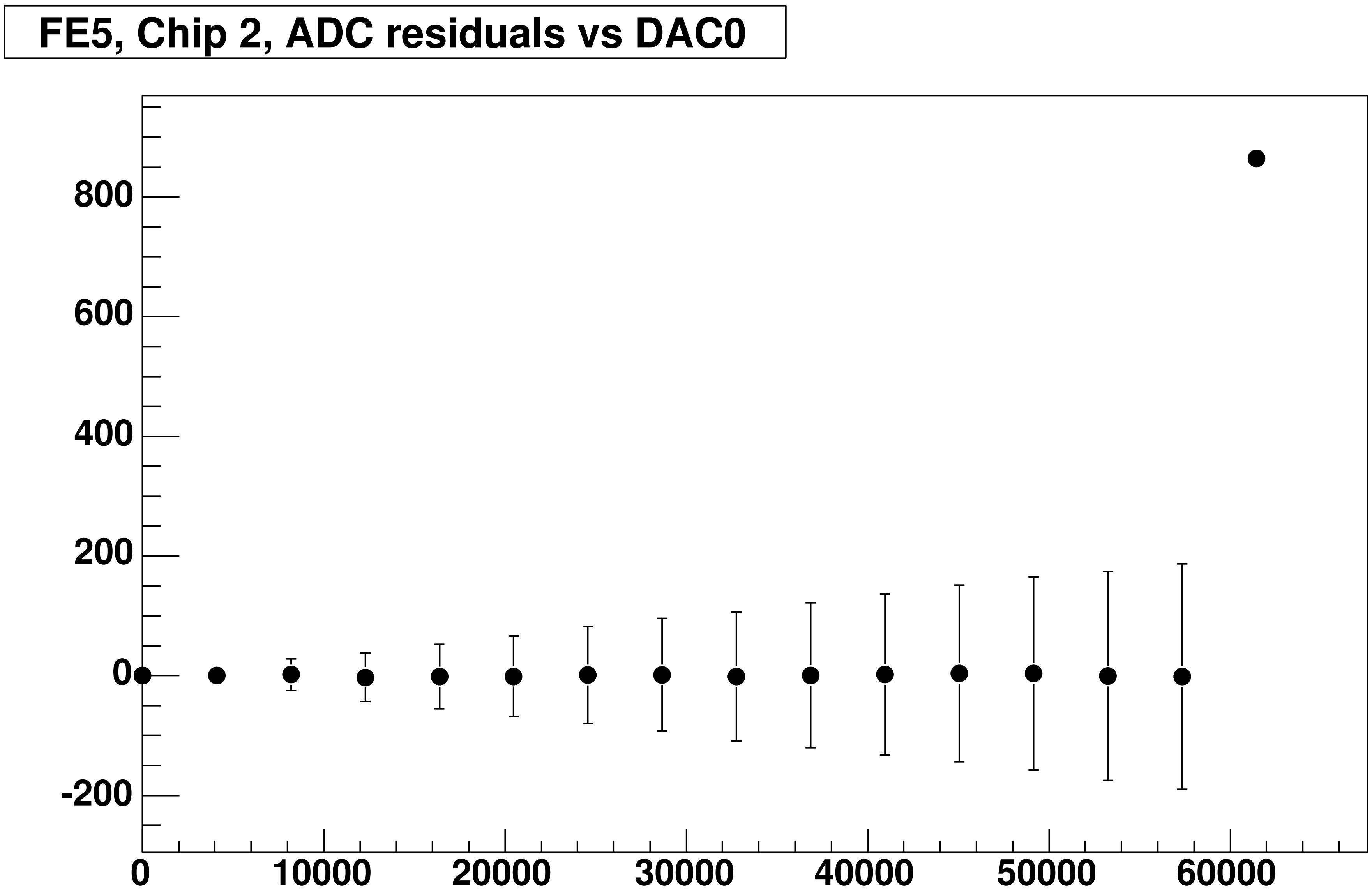


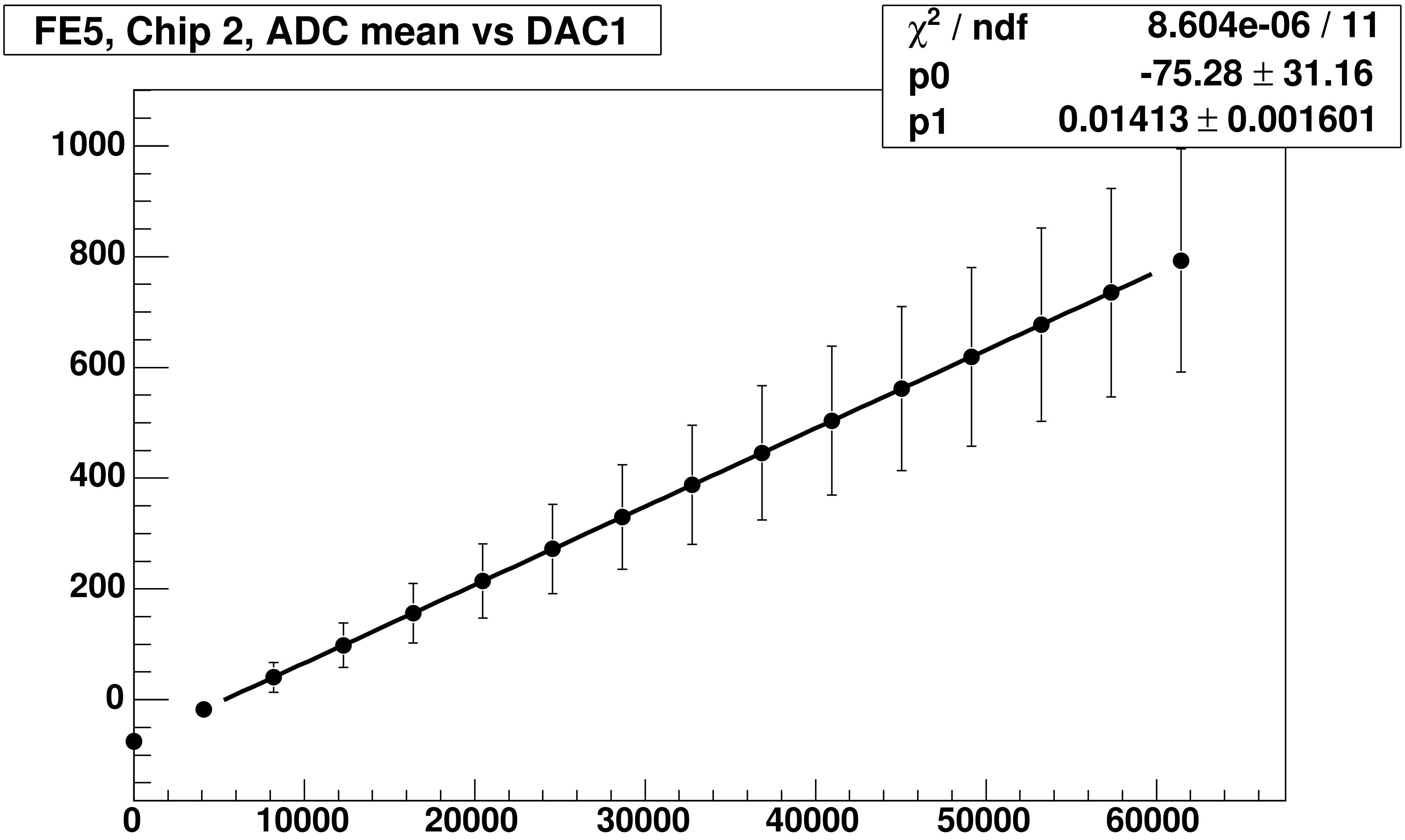
FE5, Chip 1, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

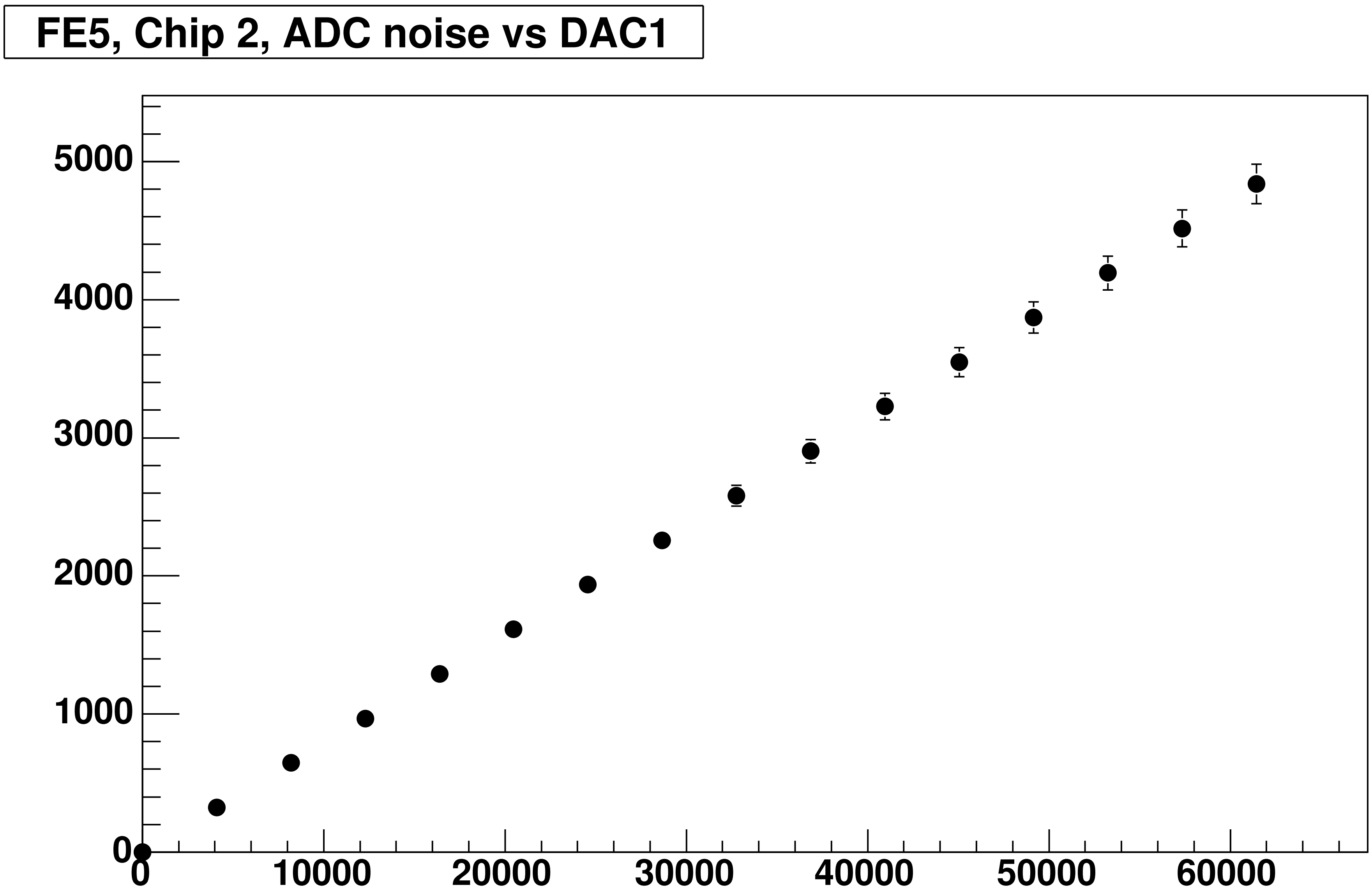

FE5, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

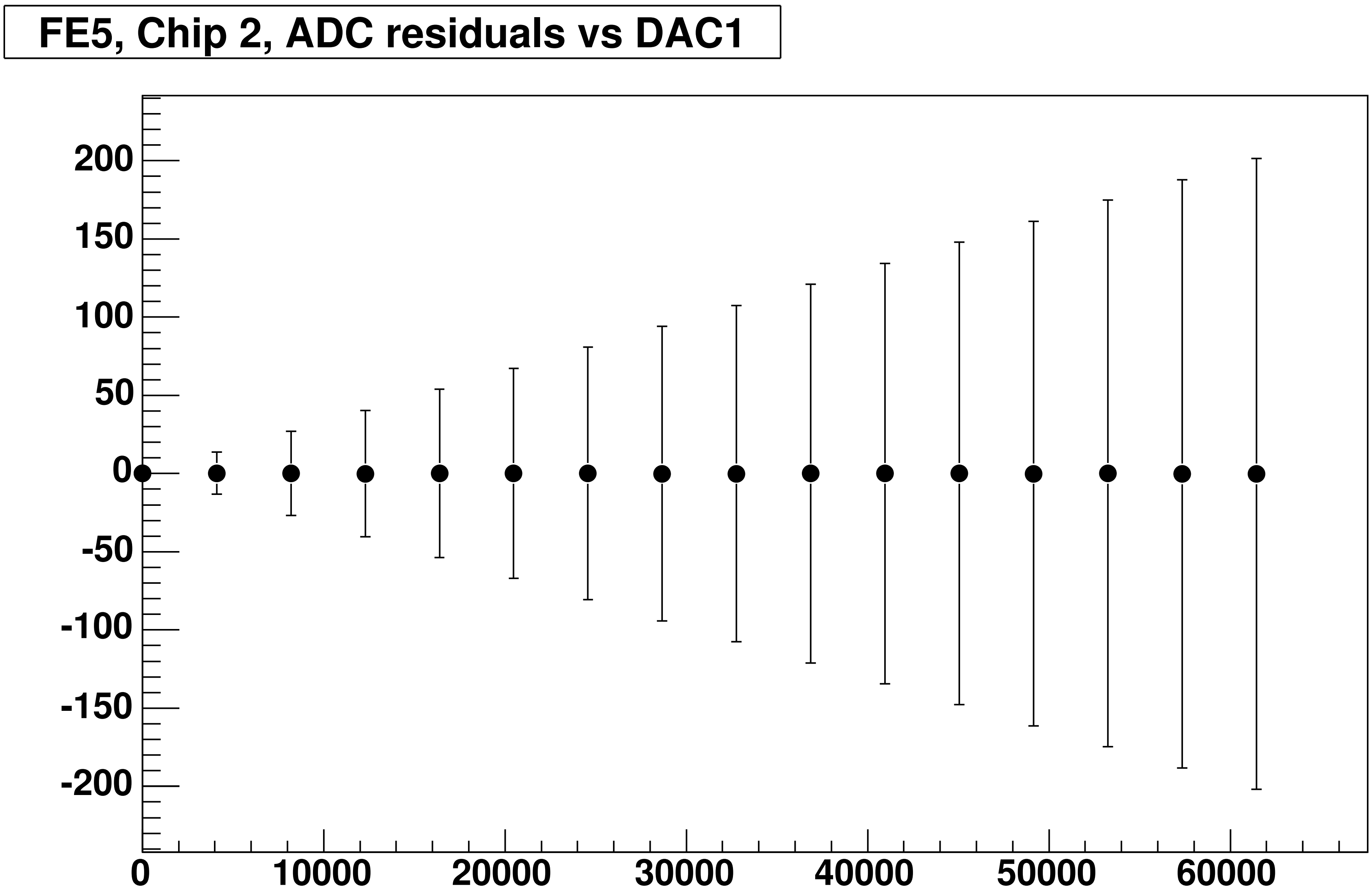

FE5, Chip 2, ADC mean vs DAC0
χ2 / ndf 0.01208 / 11
p0 -74.83 ± 31.16
p1 0.438 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

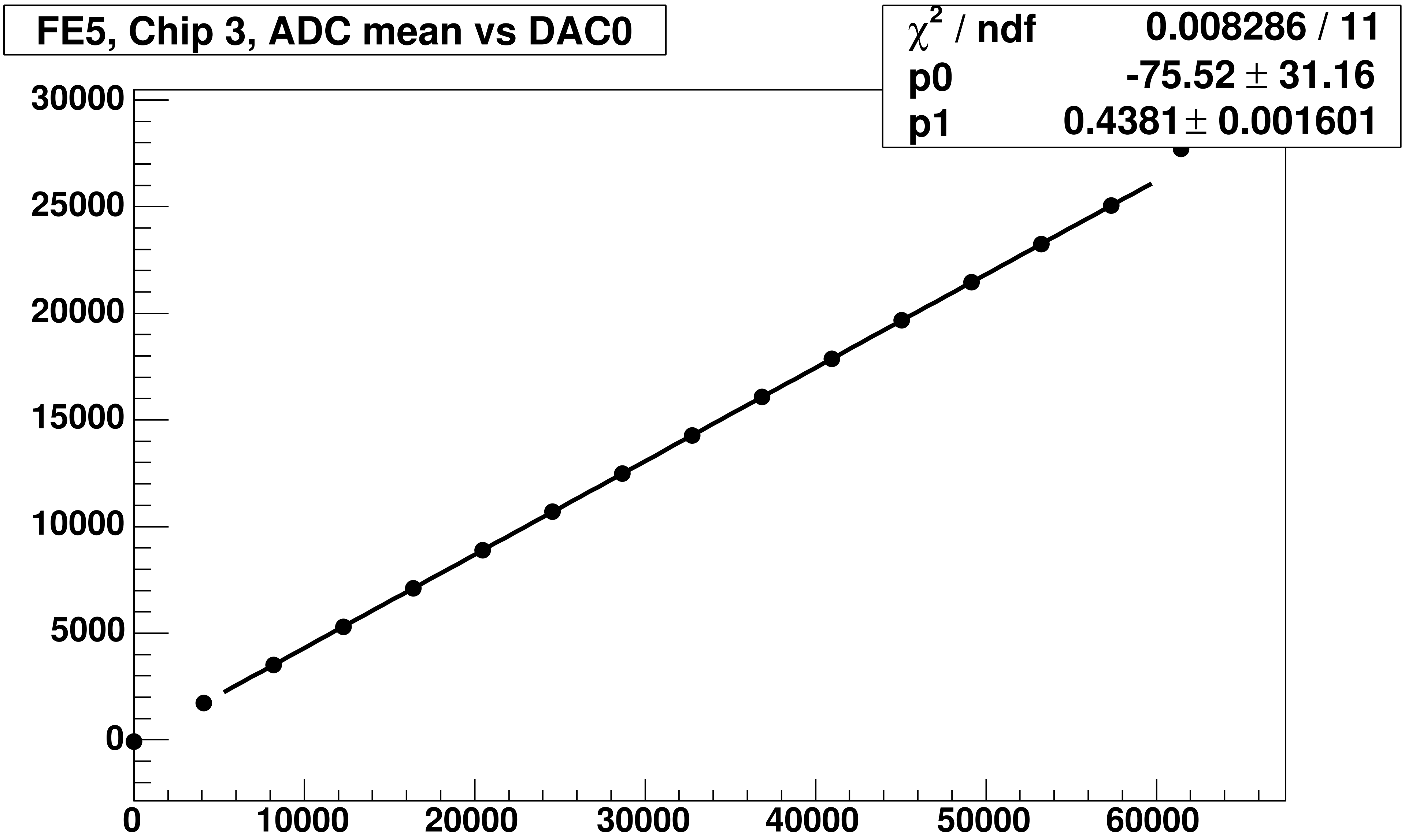

FE5, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

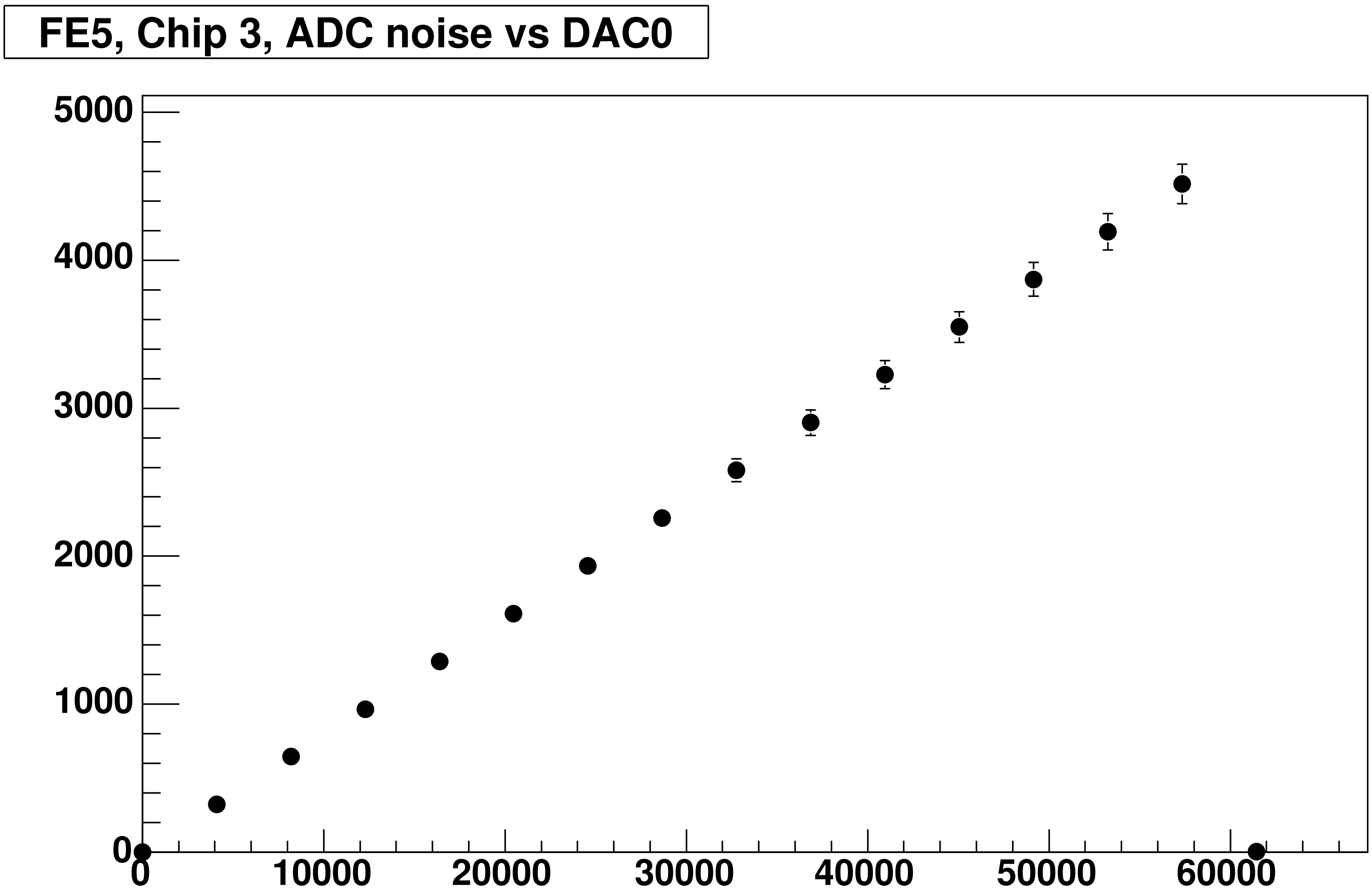

FE5, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

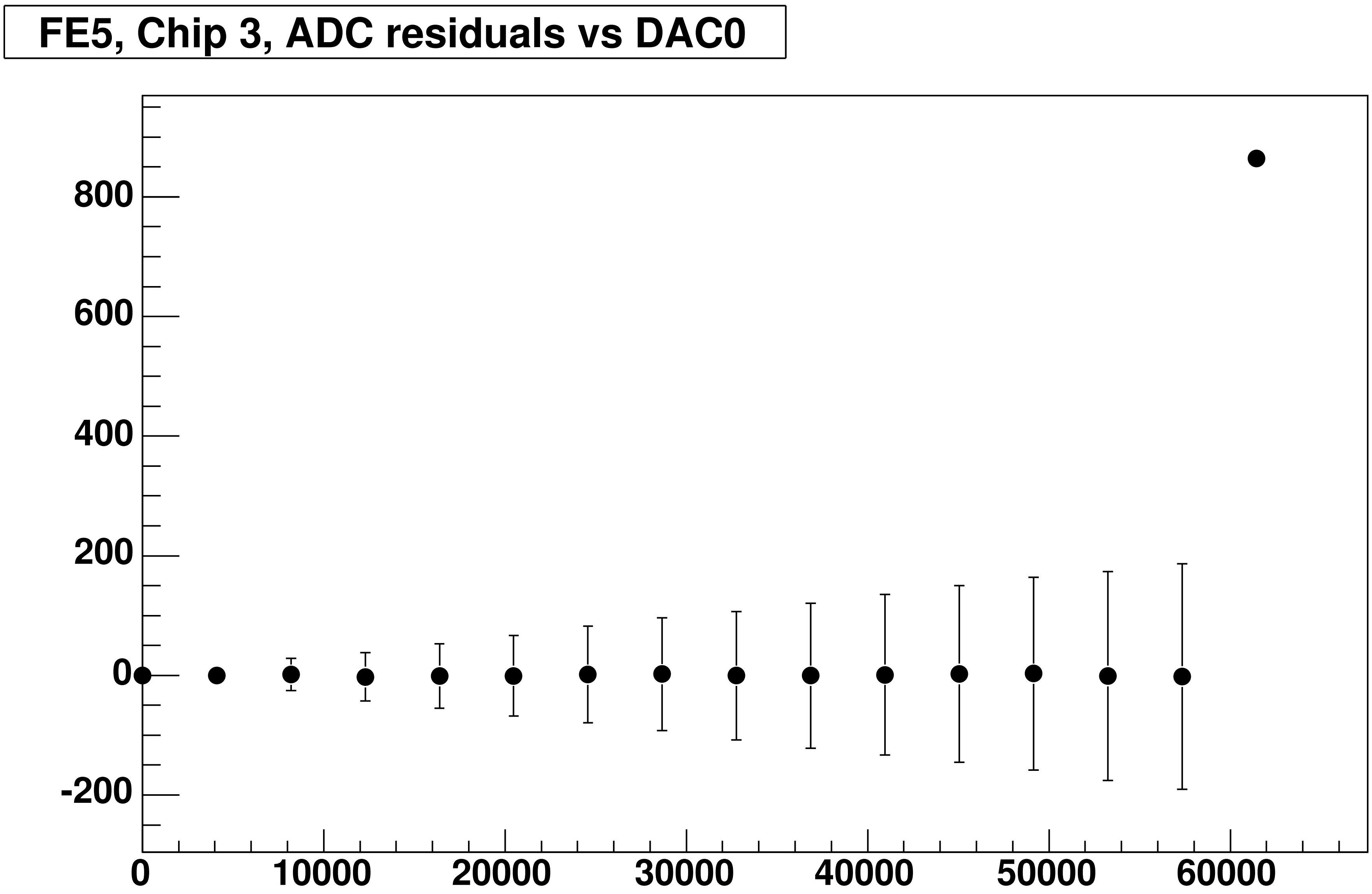

FE5, Chip 2, ADC mean vs DAC1
χ2 / ndf 8.604e-06 / 11
p0 -75.28 ± 31.16
p1 0.01413 ± 0.001601
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

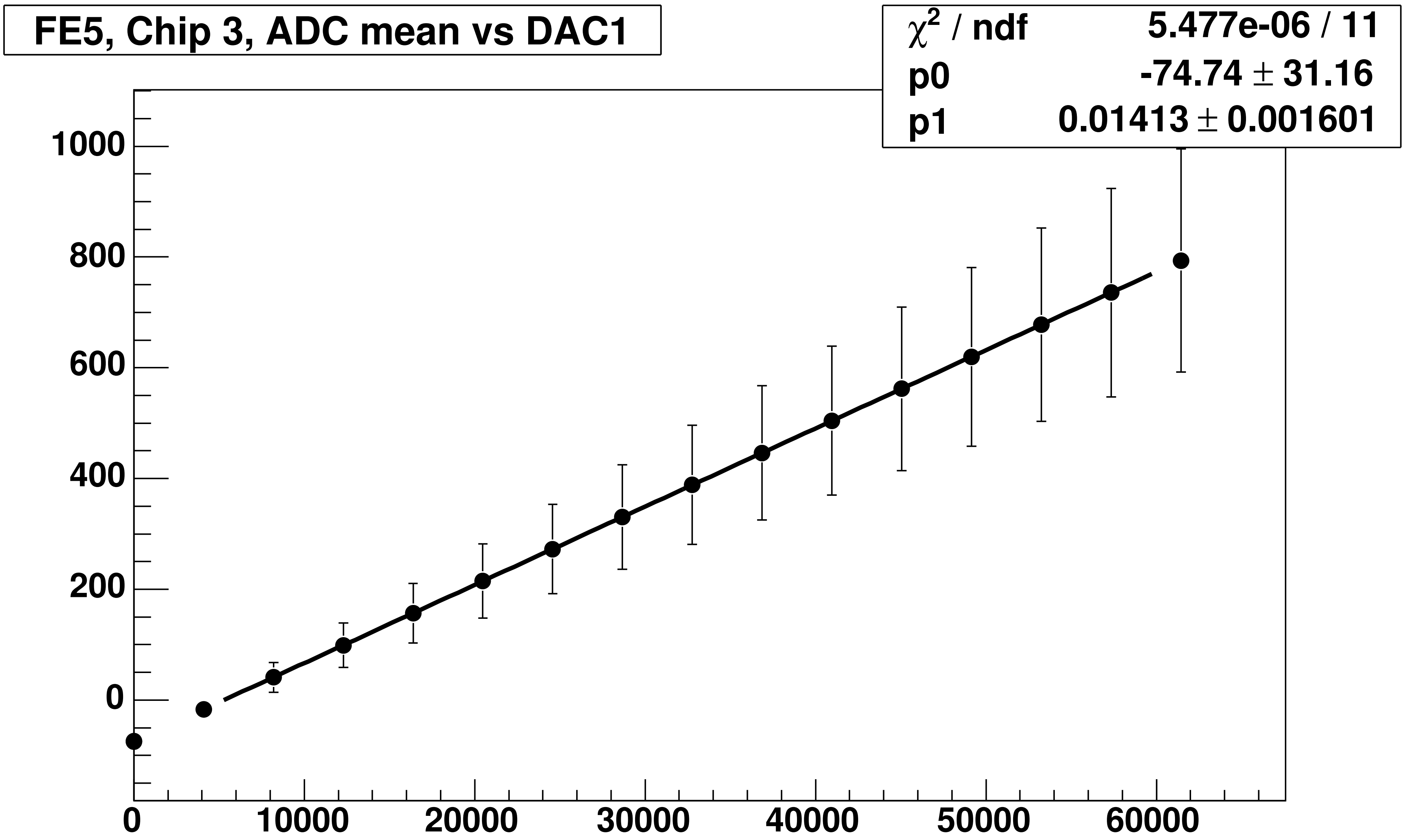

FE5, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

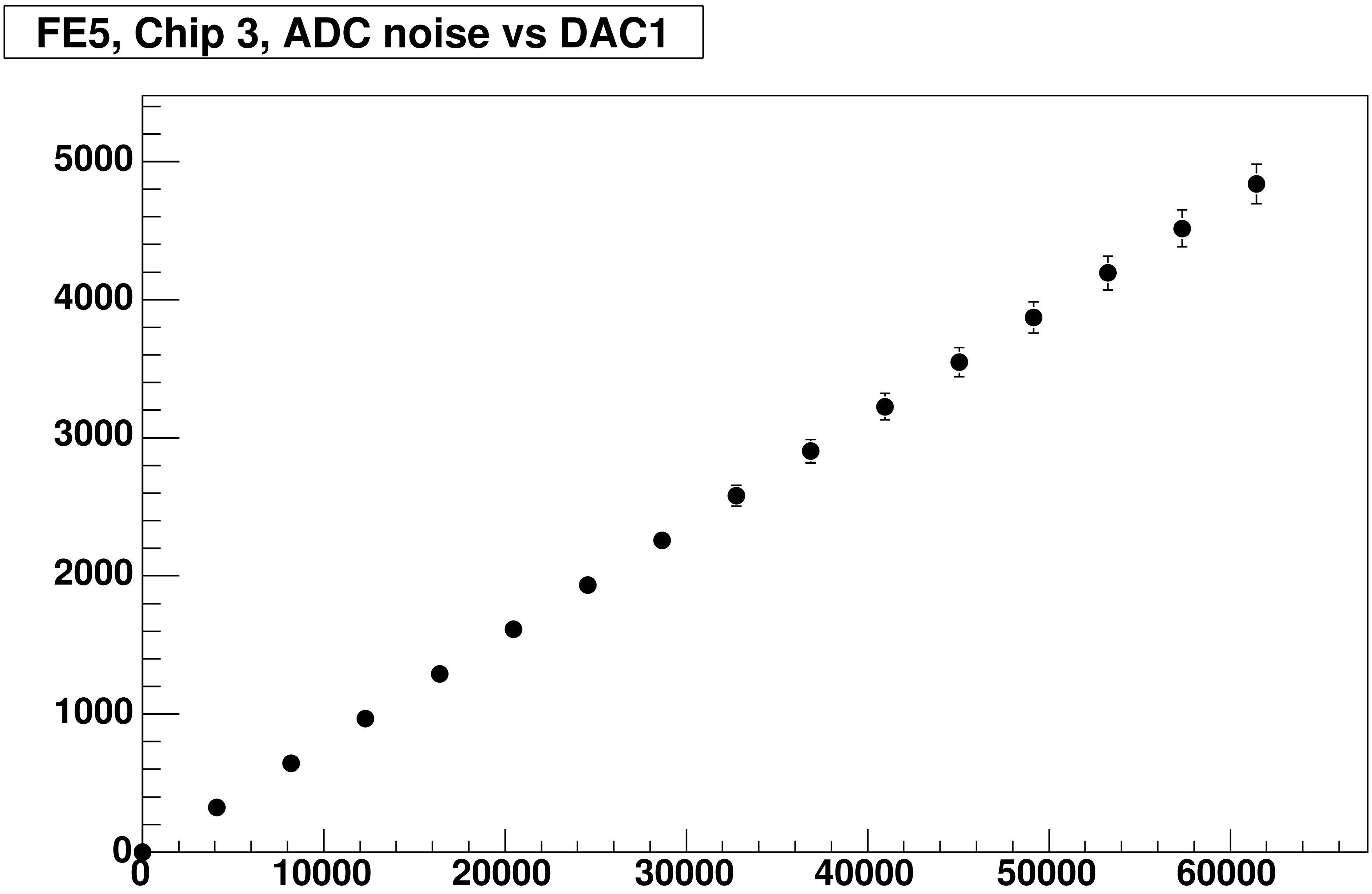

FE5, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.008286 / 11
p0 -75.52 ± 31.16
p1 0.4381 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

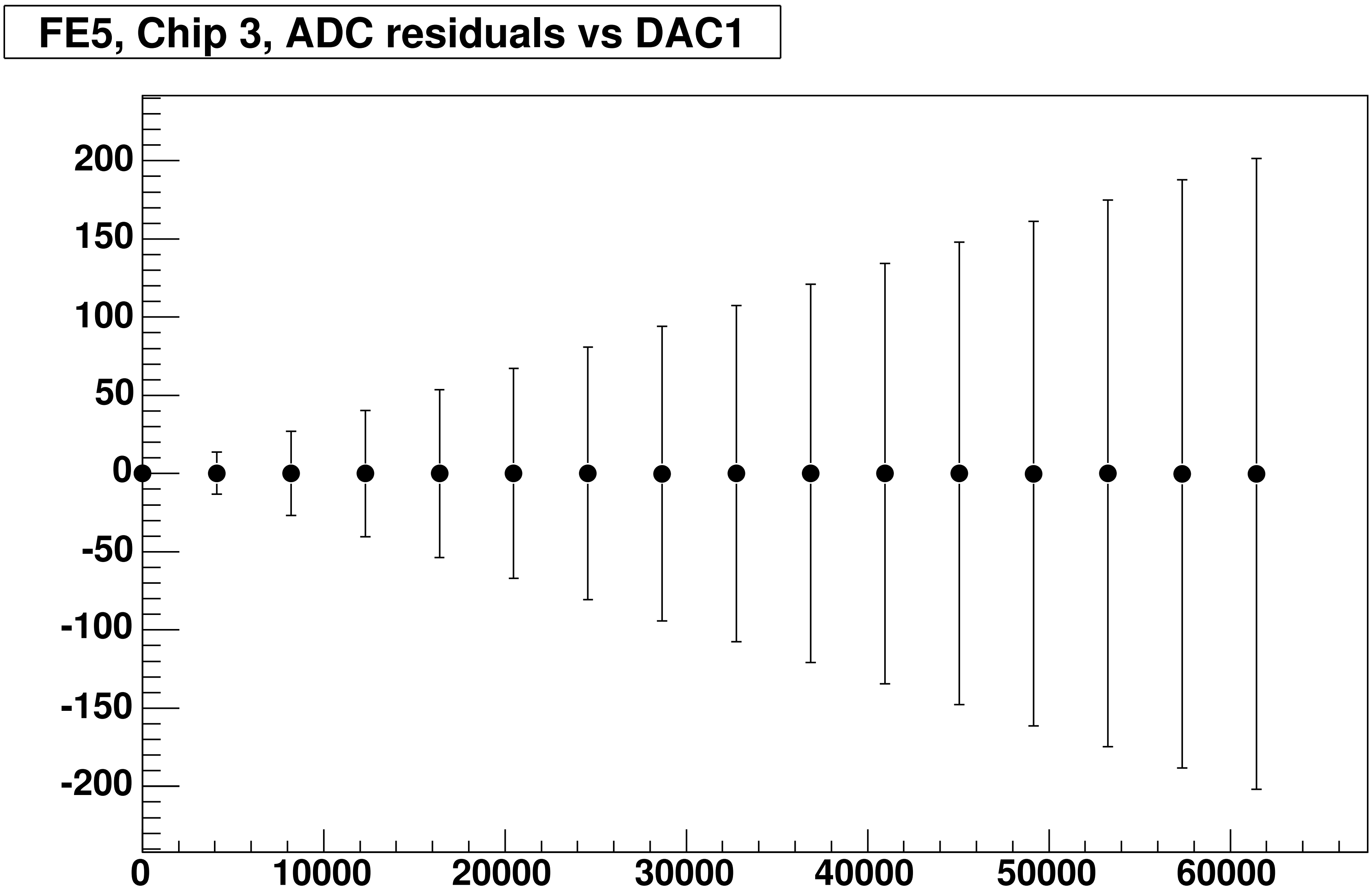


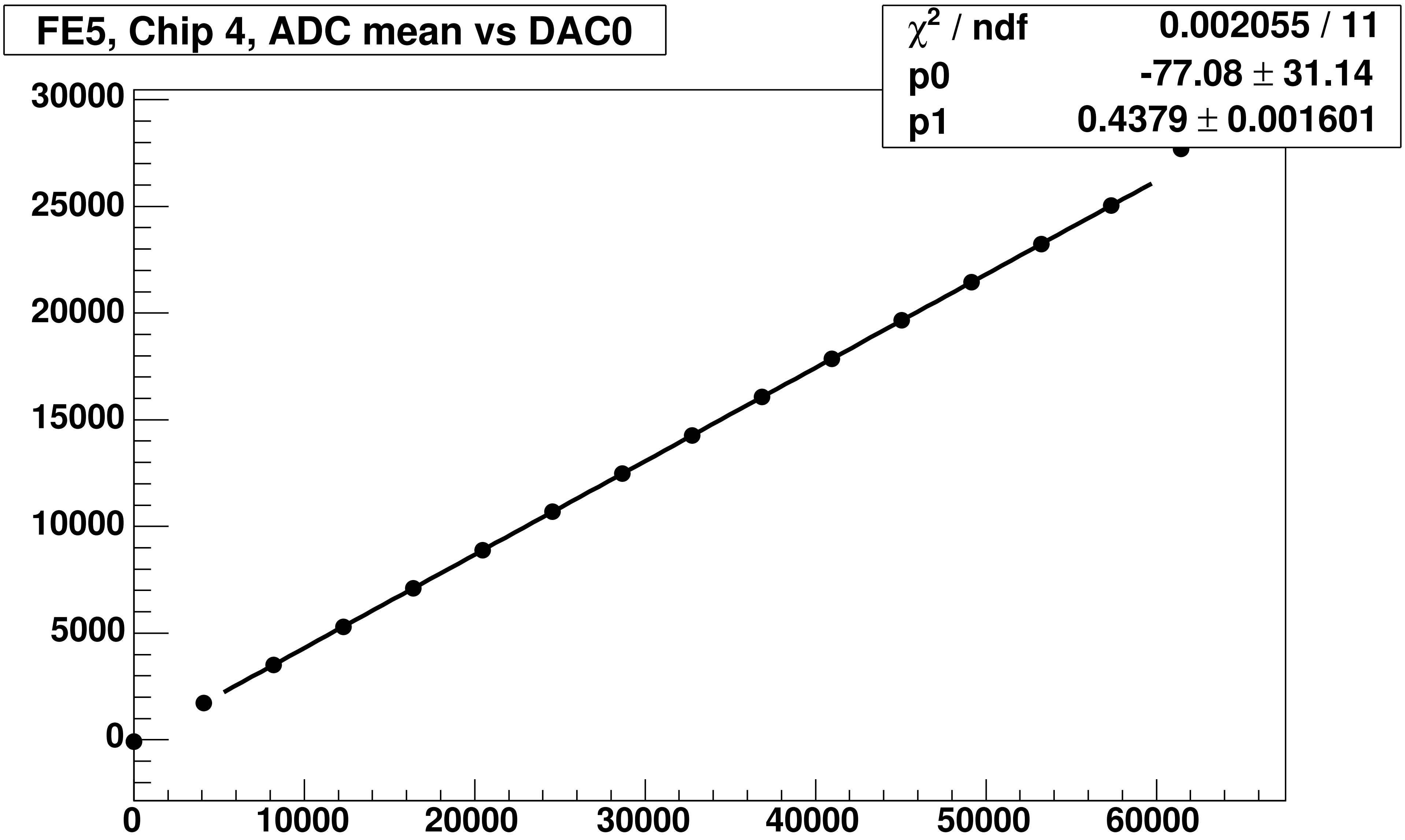
FE5, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE5, Chip 3, ADC mean vs DAC1
χ^2 / ndf 5.477e-06 / 11
p0 -74.74 ± 31.16
p1 0.01413 ± 0.001601
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

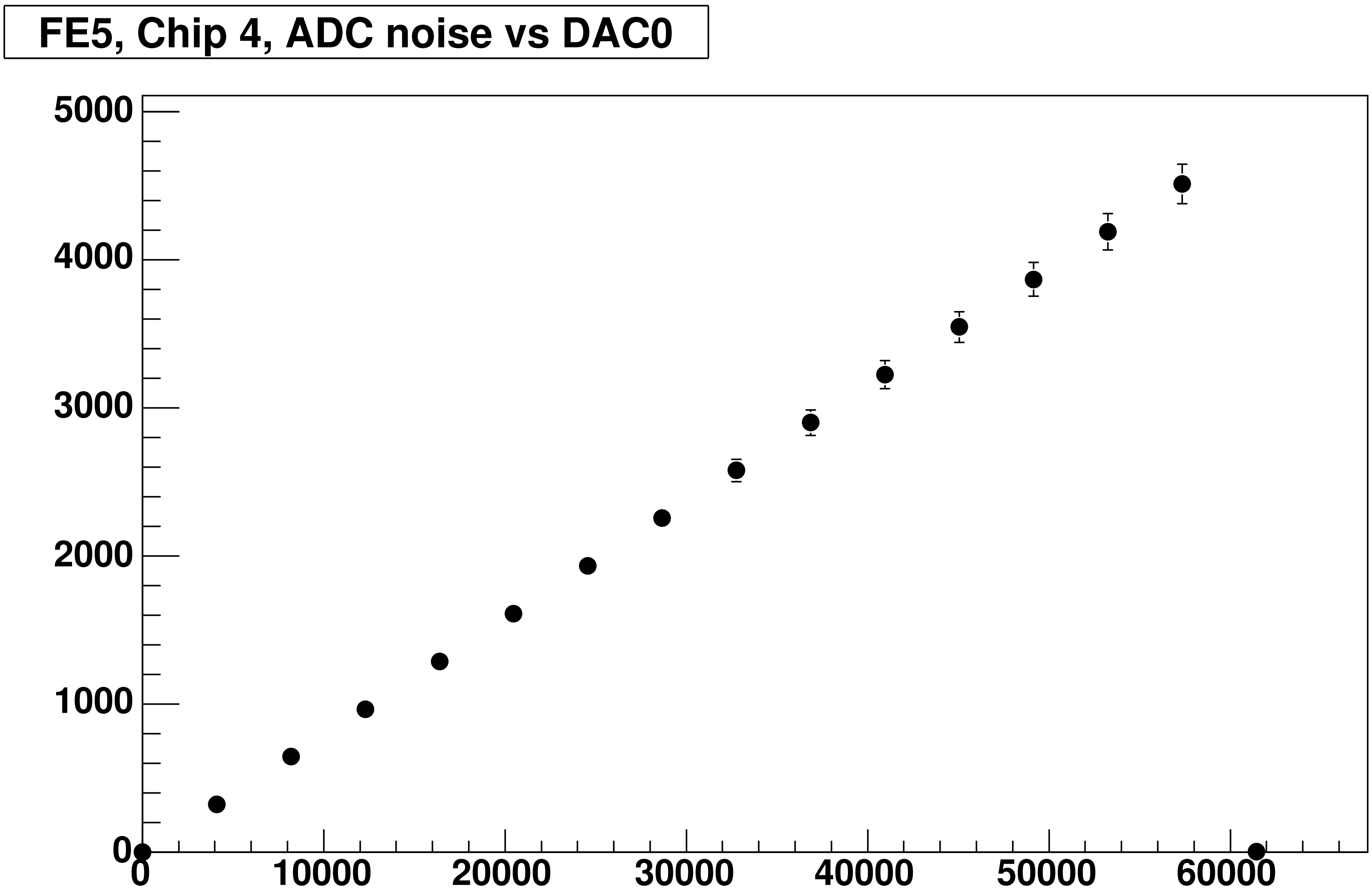


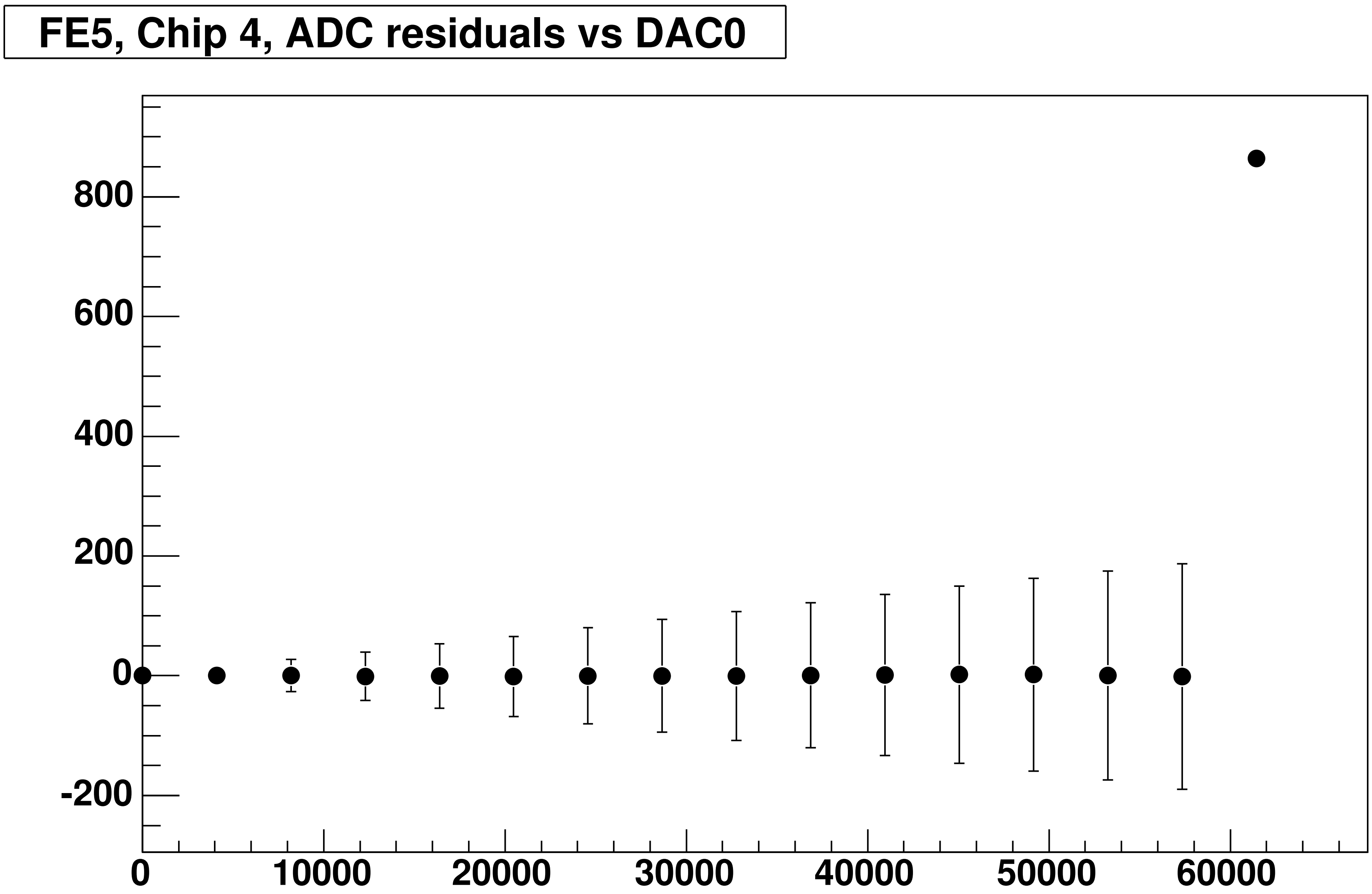
FE5, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

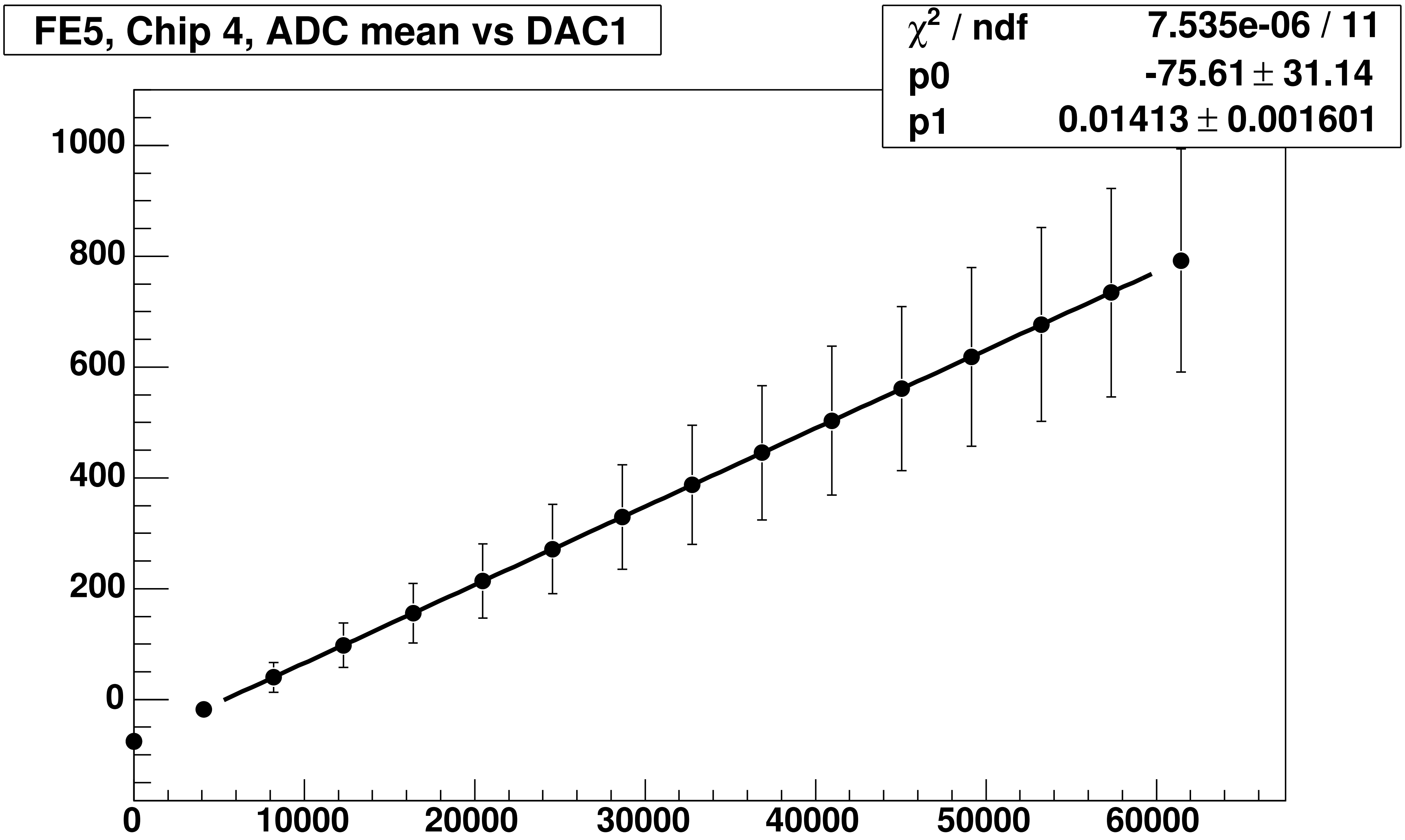

FE5, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



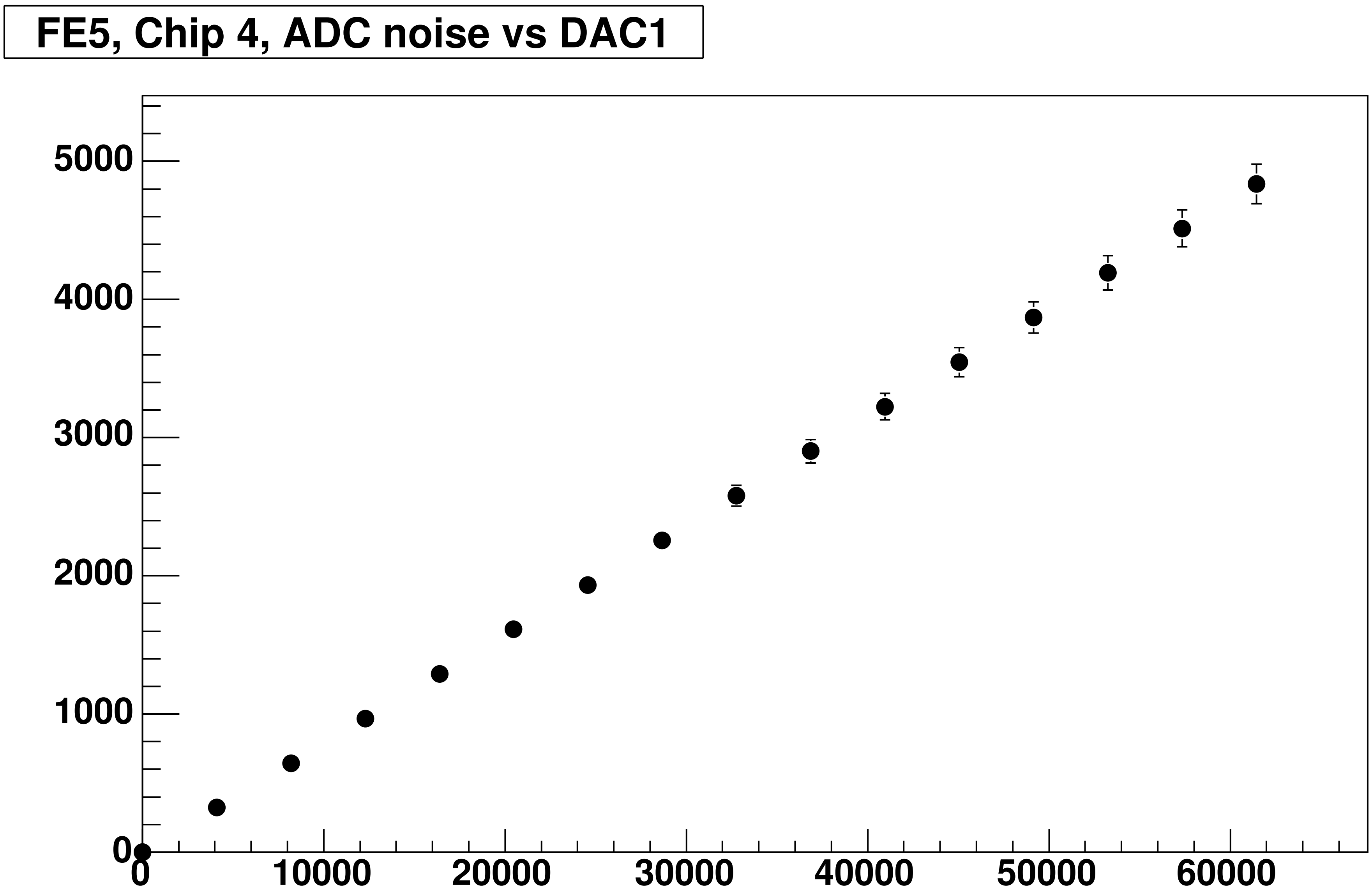
FE5, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.002055 / 11
p0 -77.08 ± 31.14
p1 0.4379 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

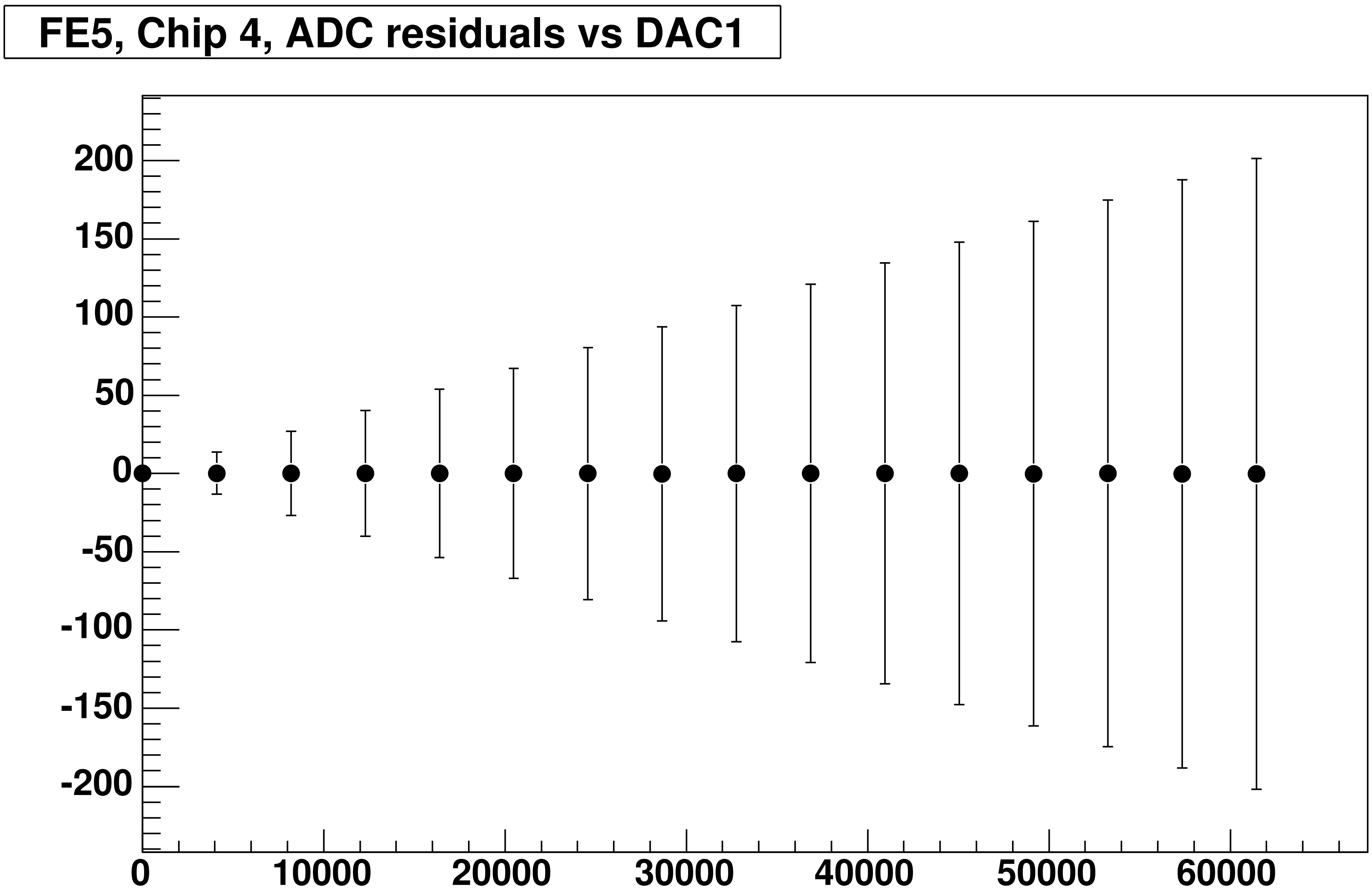

FE5, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

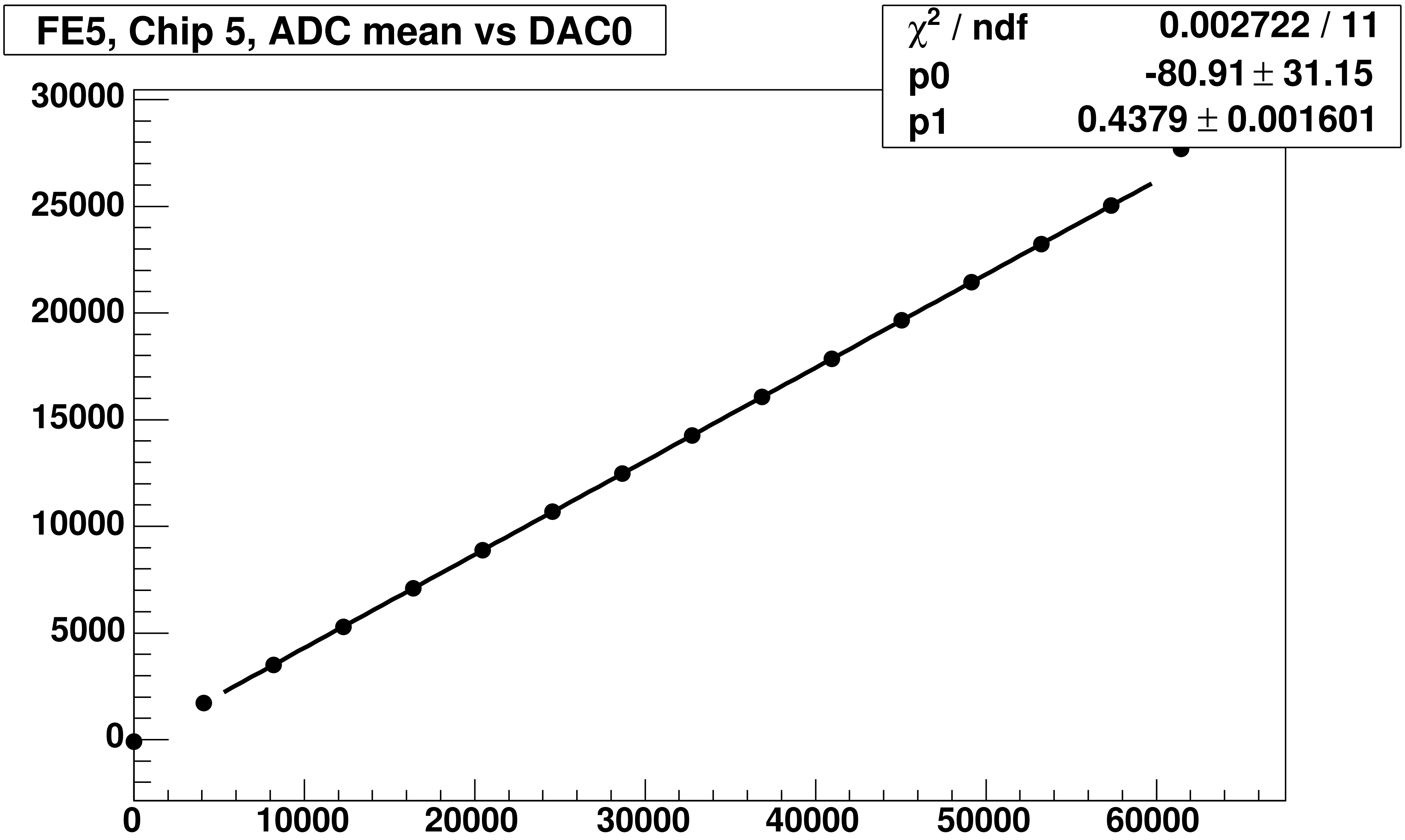


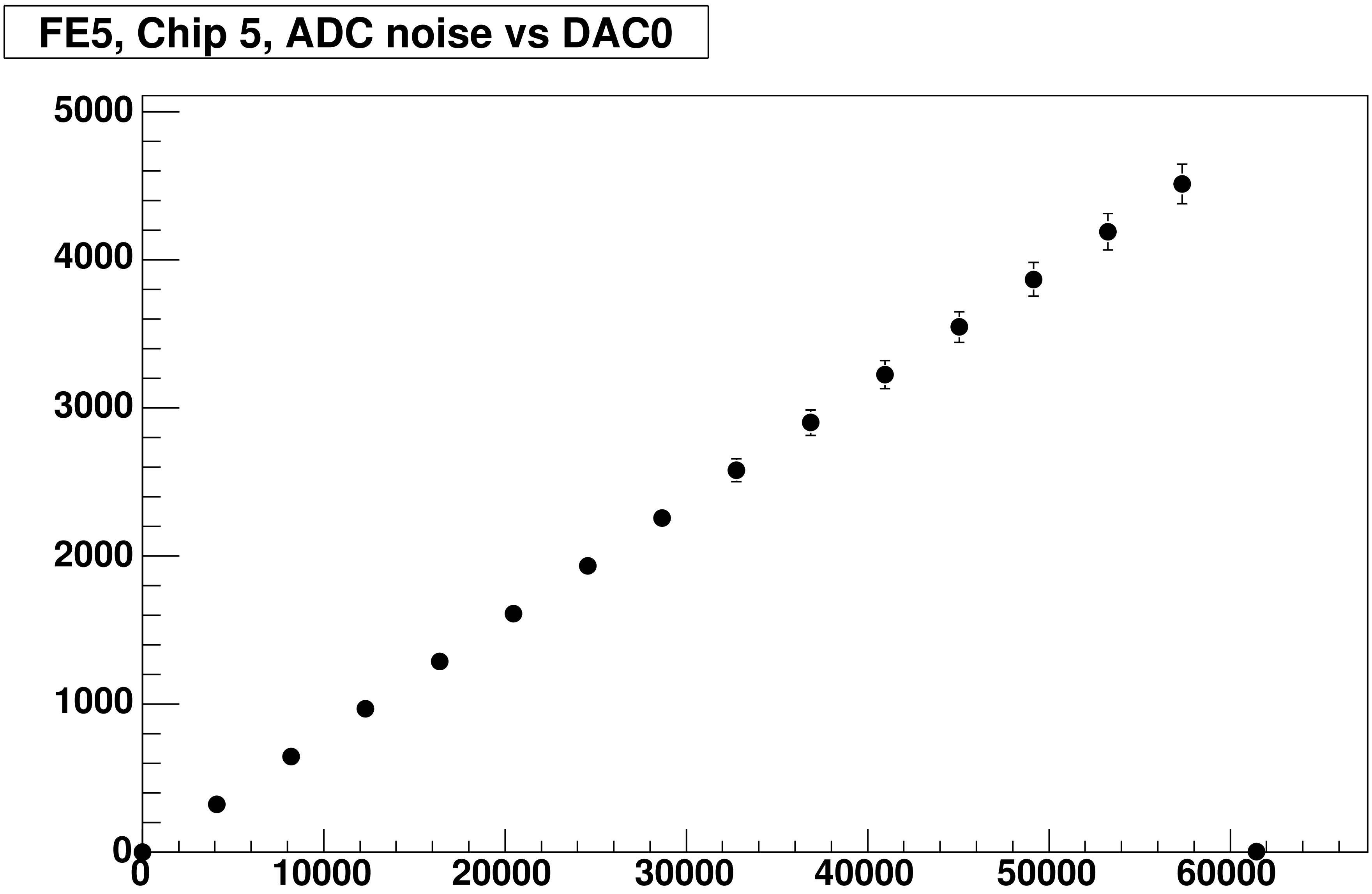
FE5, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7.535e-06 / 11
p0 -75.61 ± 31.14
p1 0.01413 ± 0.001601
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

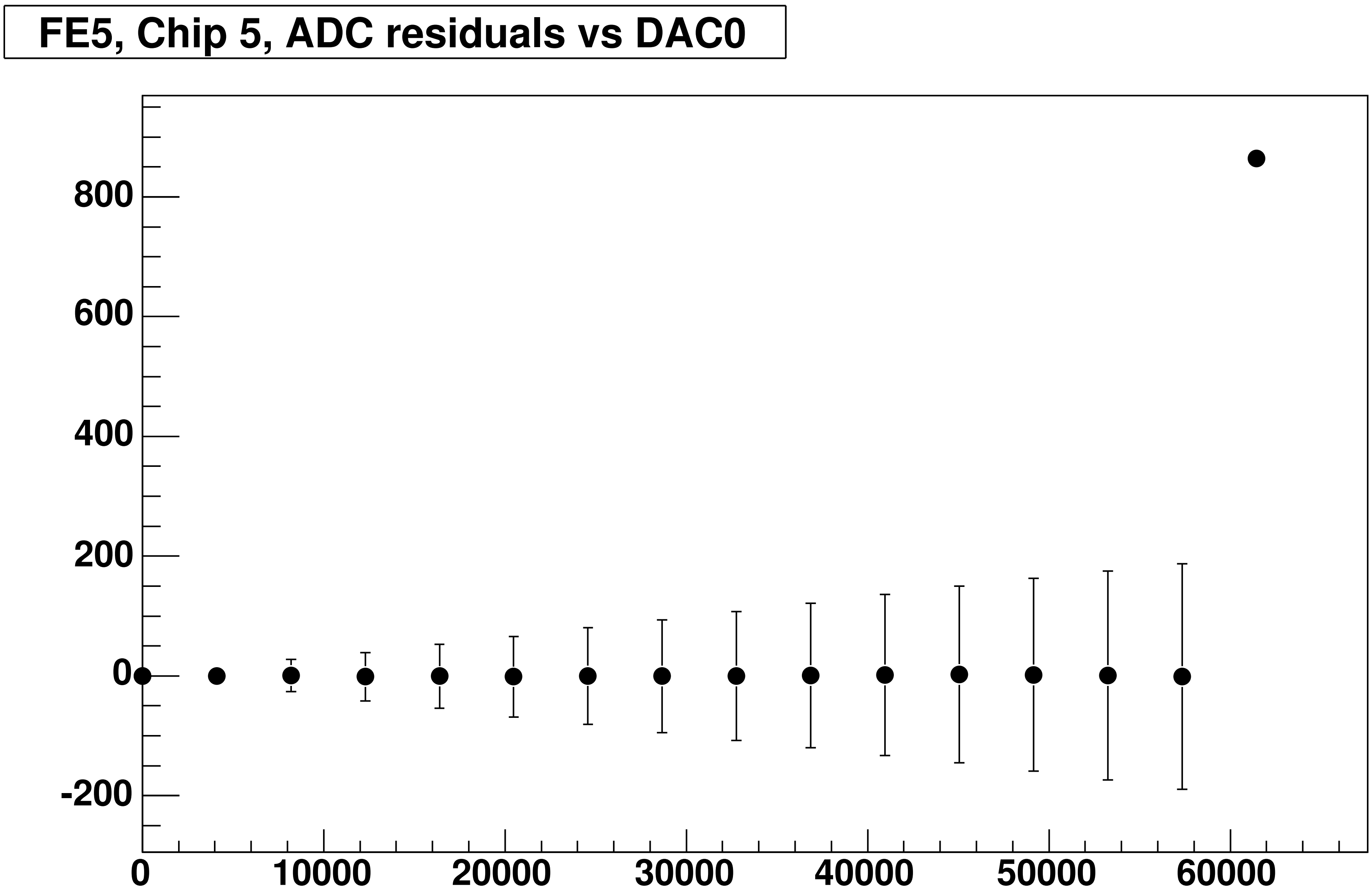

FE5, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

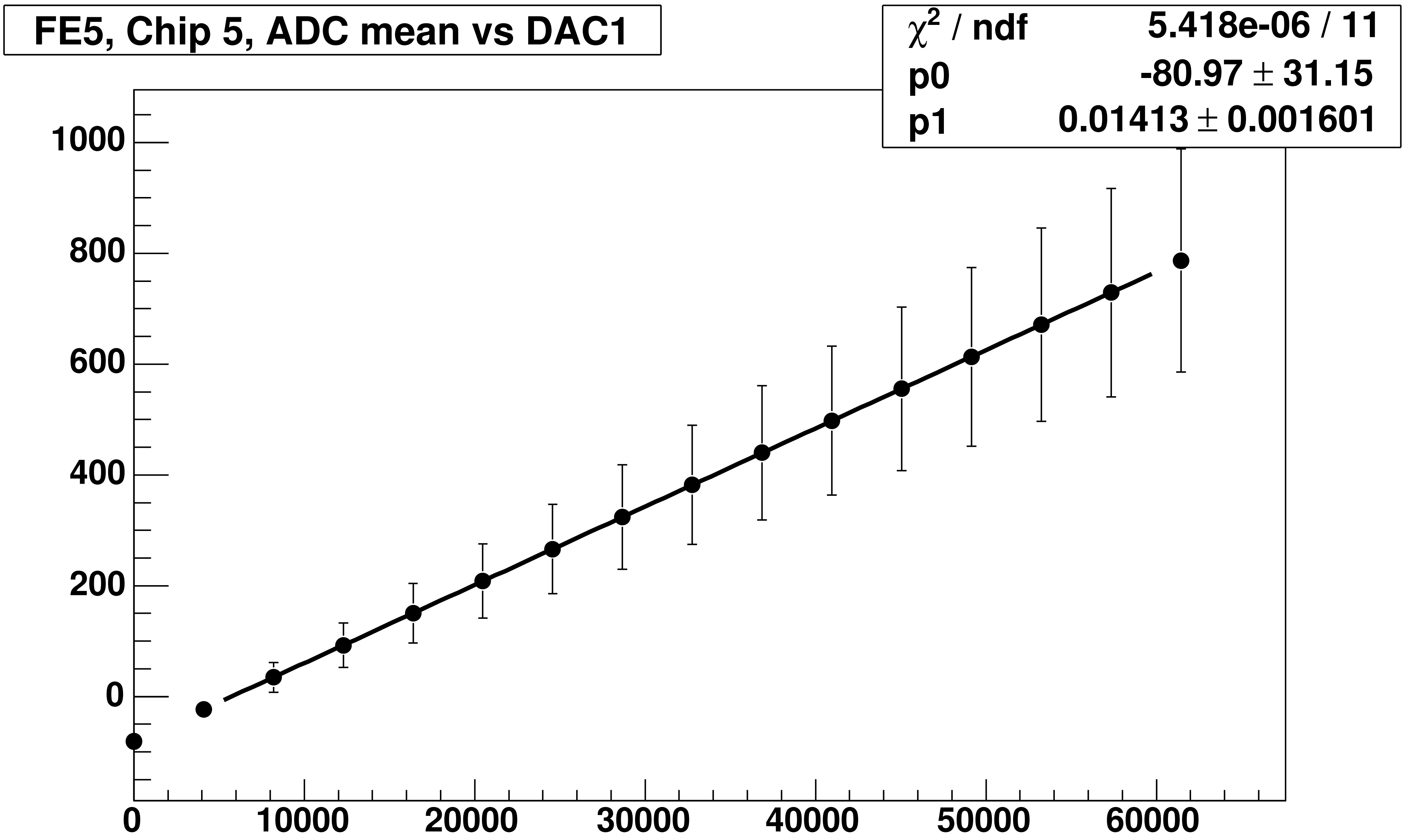


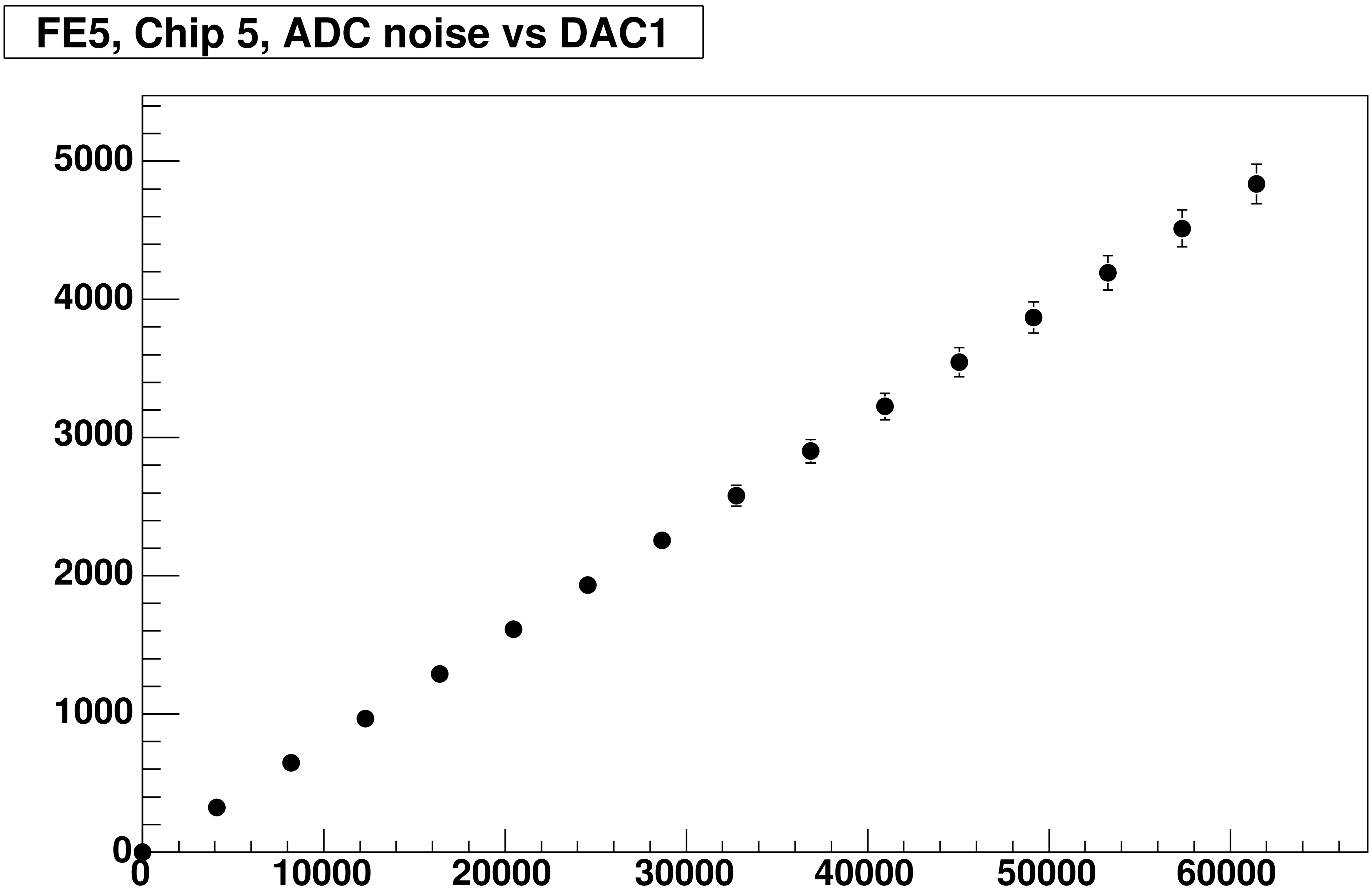
FE5, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

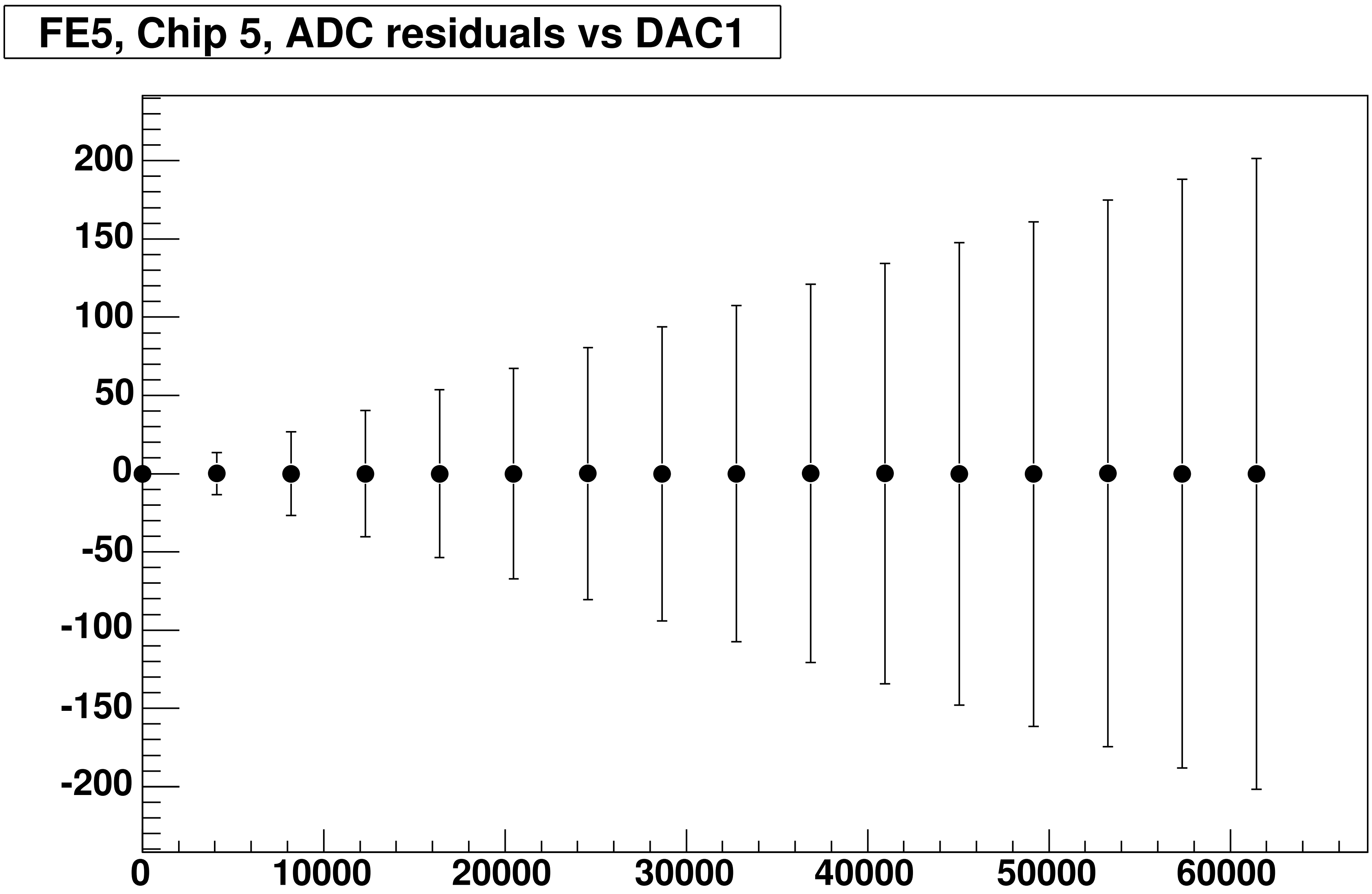

FE5, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.002722 / 11
p0 -80.91 ± 31.15
p1 0.4379 ± 0.001601
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

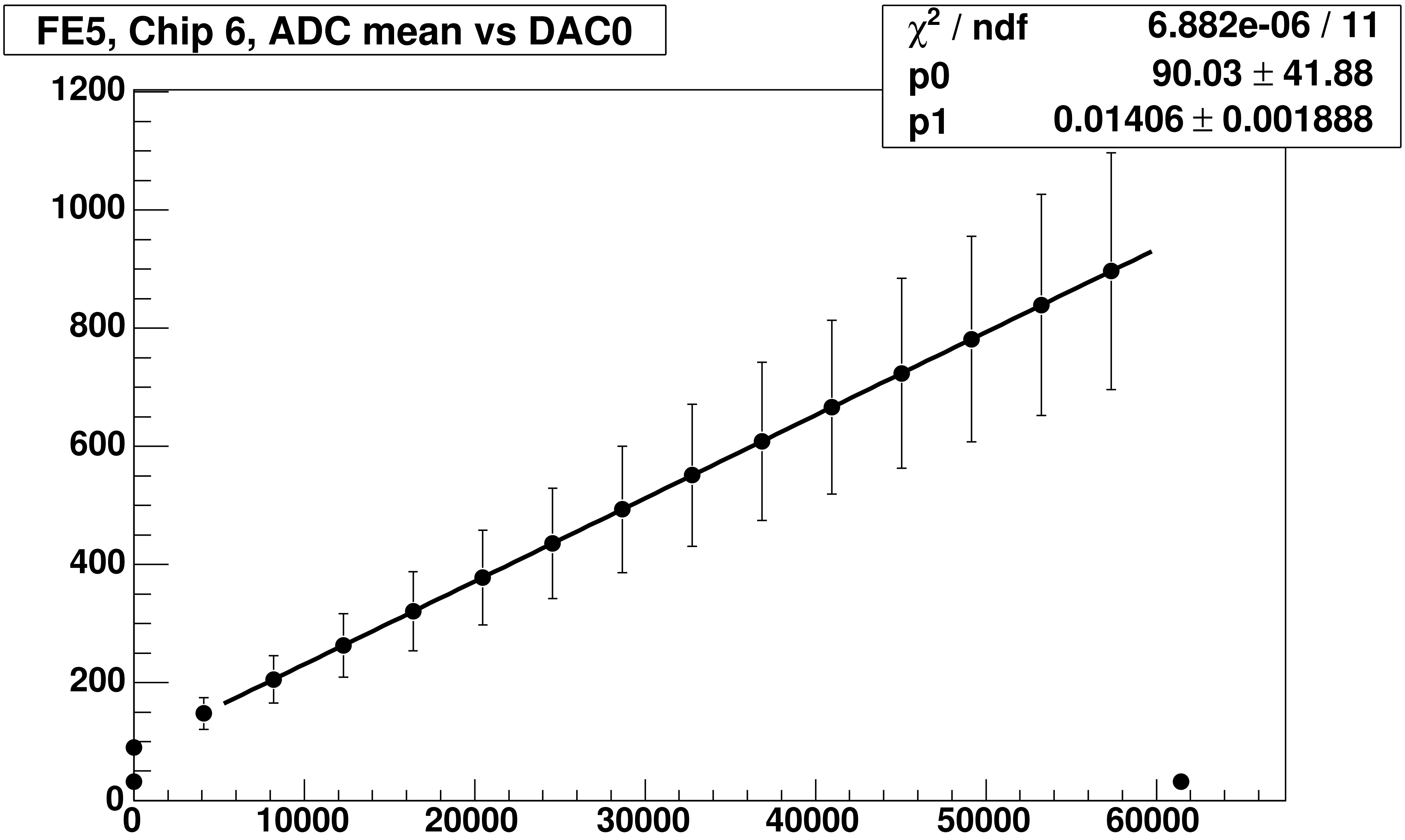

FE5, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

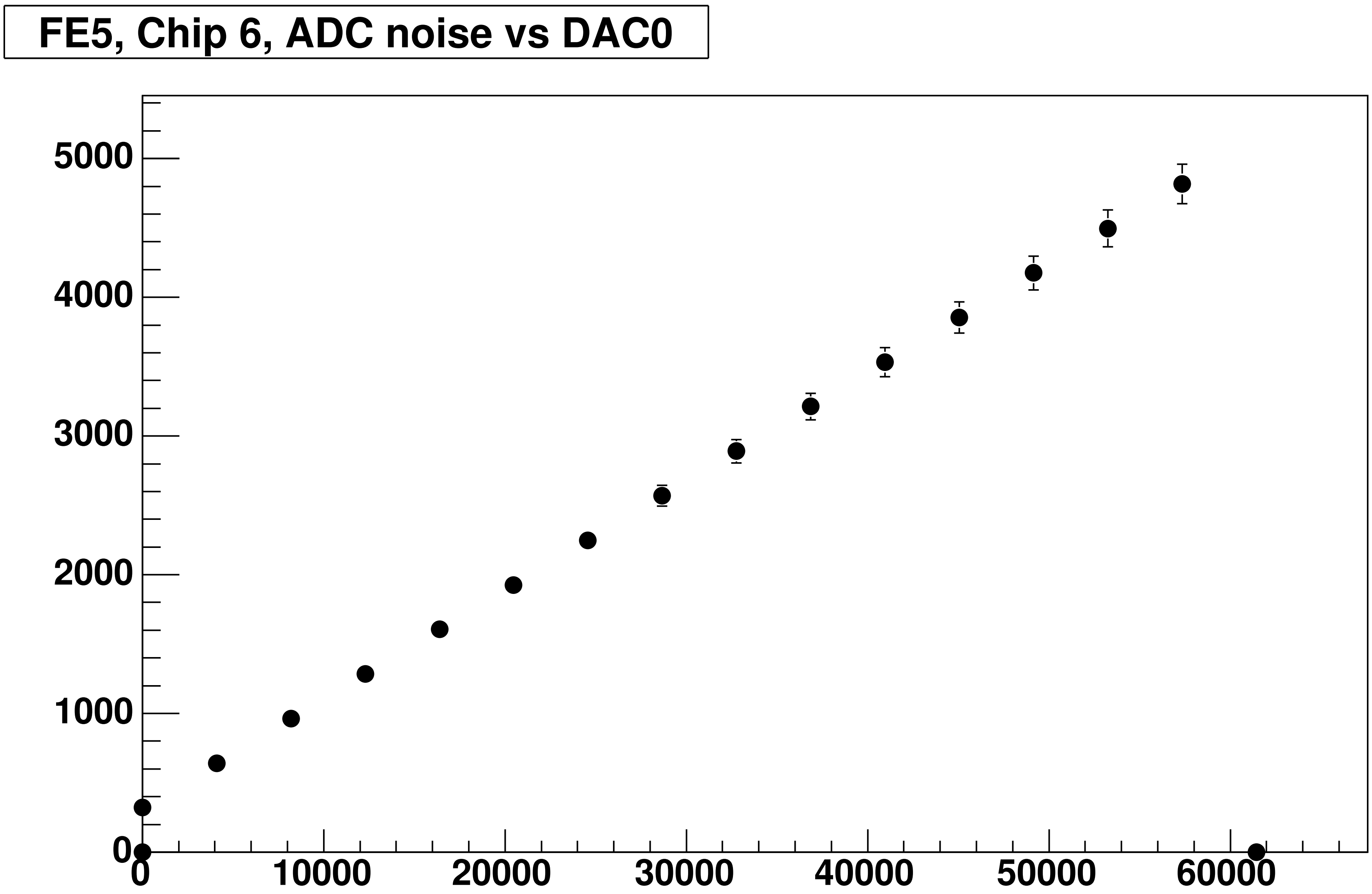

FE5, Chip 5, ADC mean vs DAC1
χ^2 / ndf 5.418e-06 / 11
p0 -80.97 ± 31.15
p1 0.01413 ± 0.001601
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

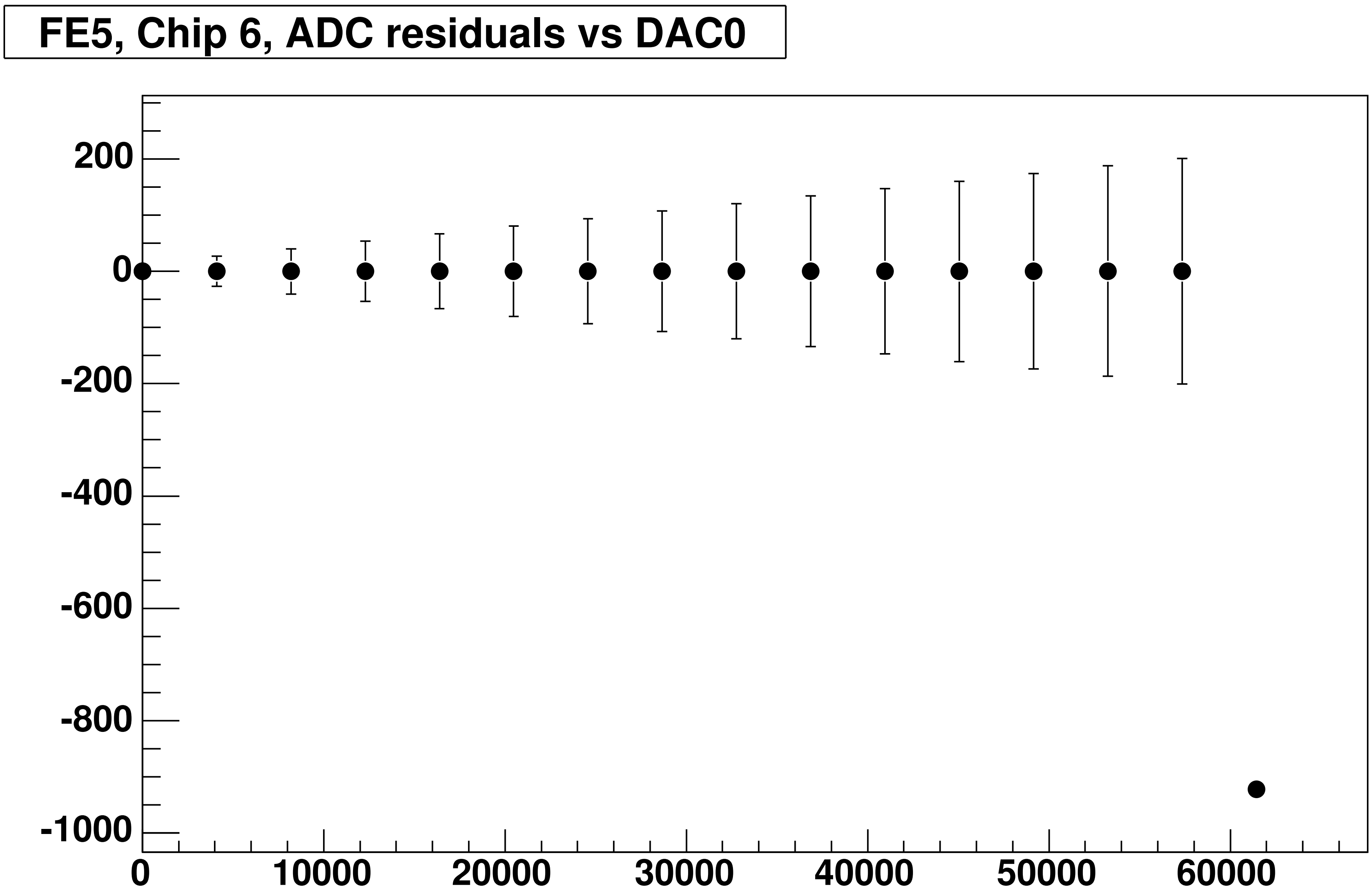

FE5, Chip 5, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

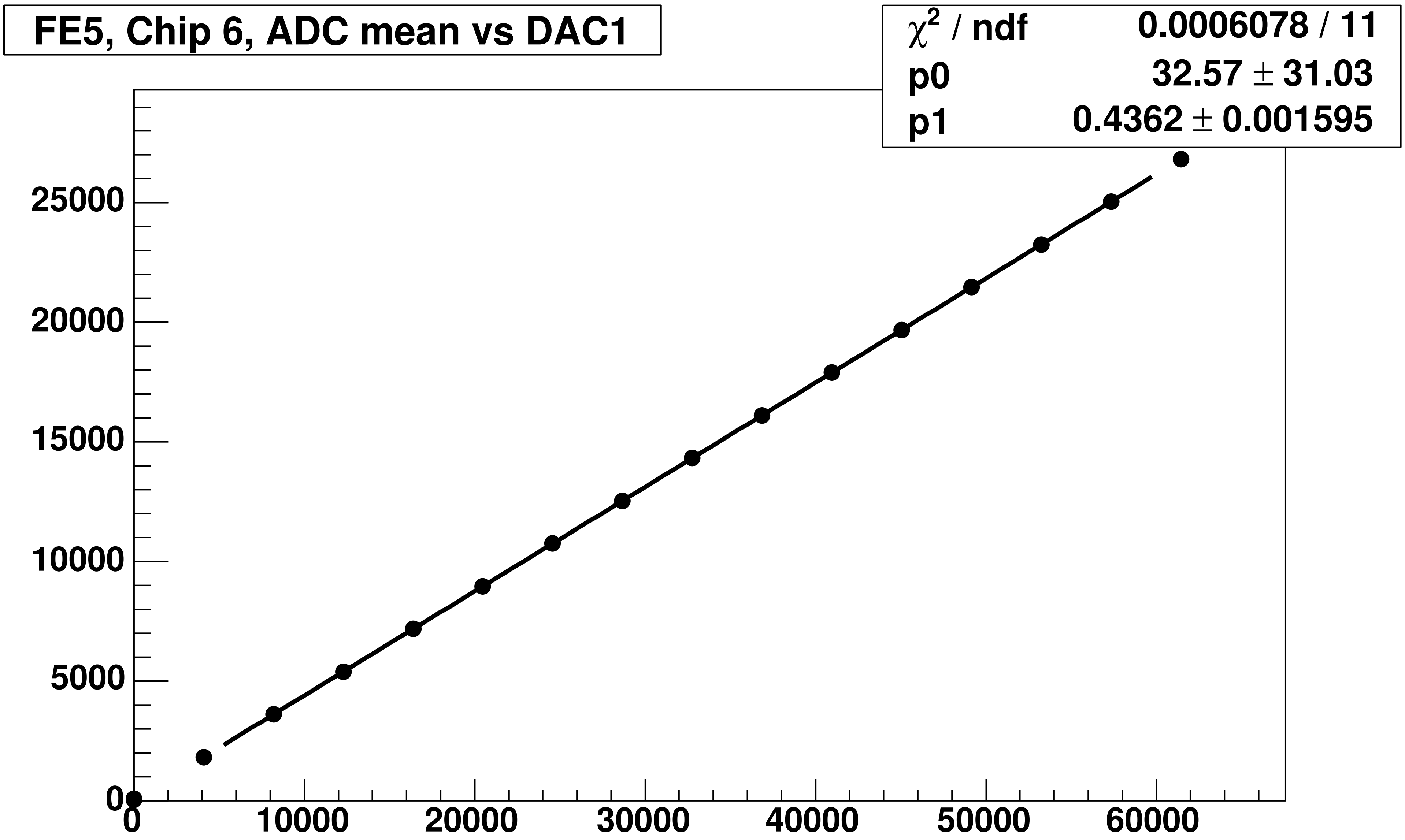

FE5, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

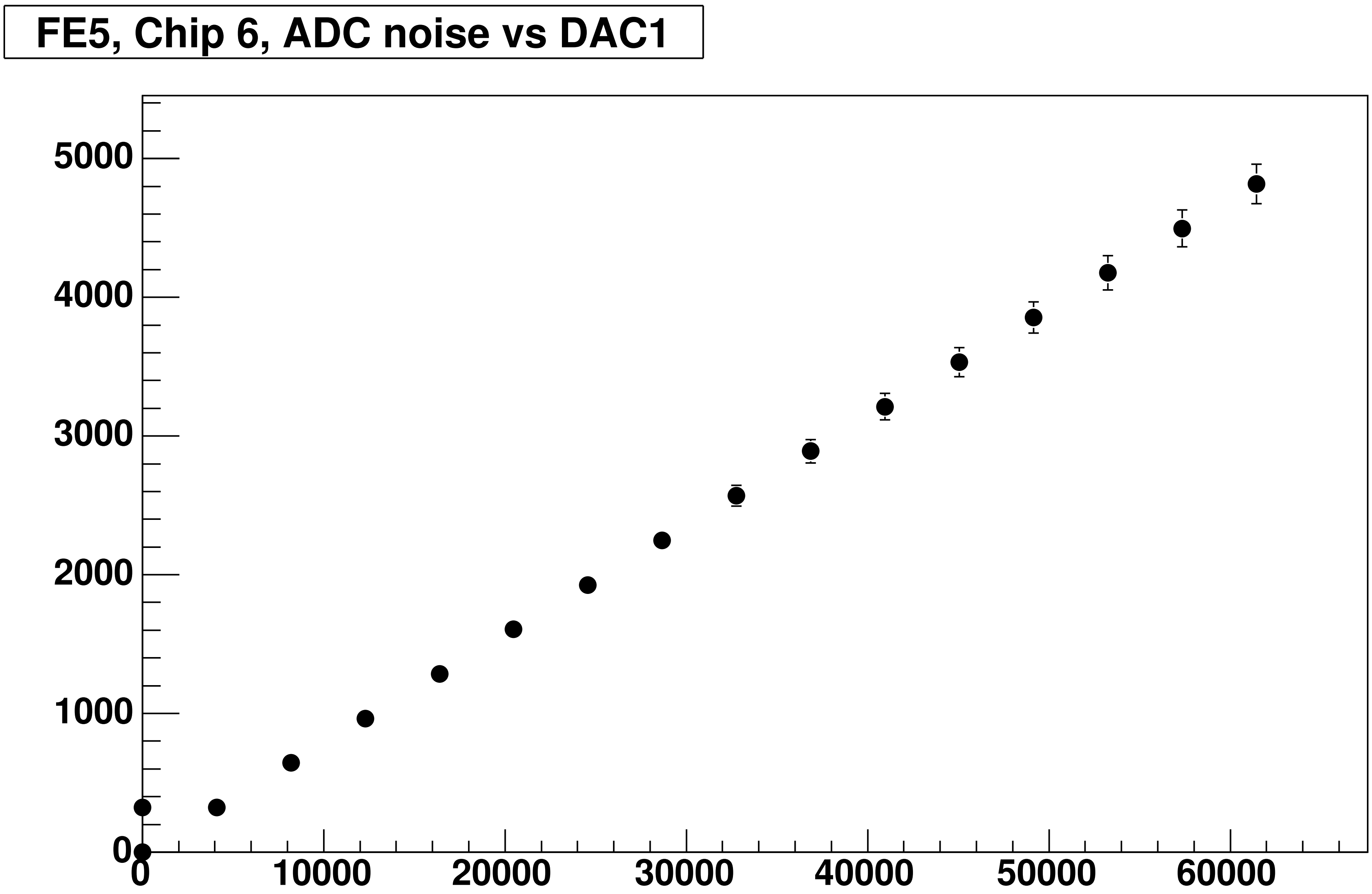


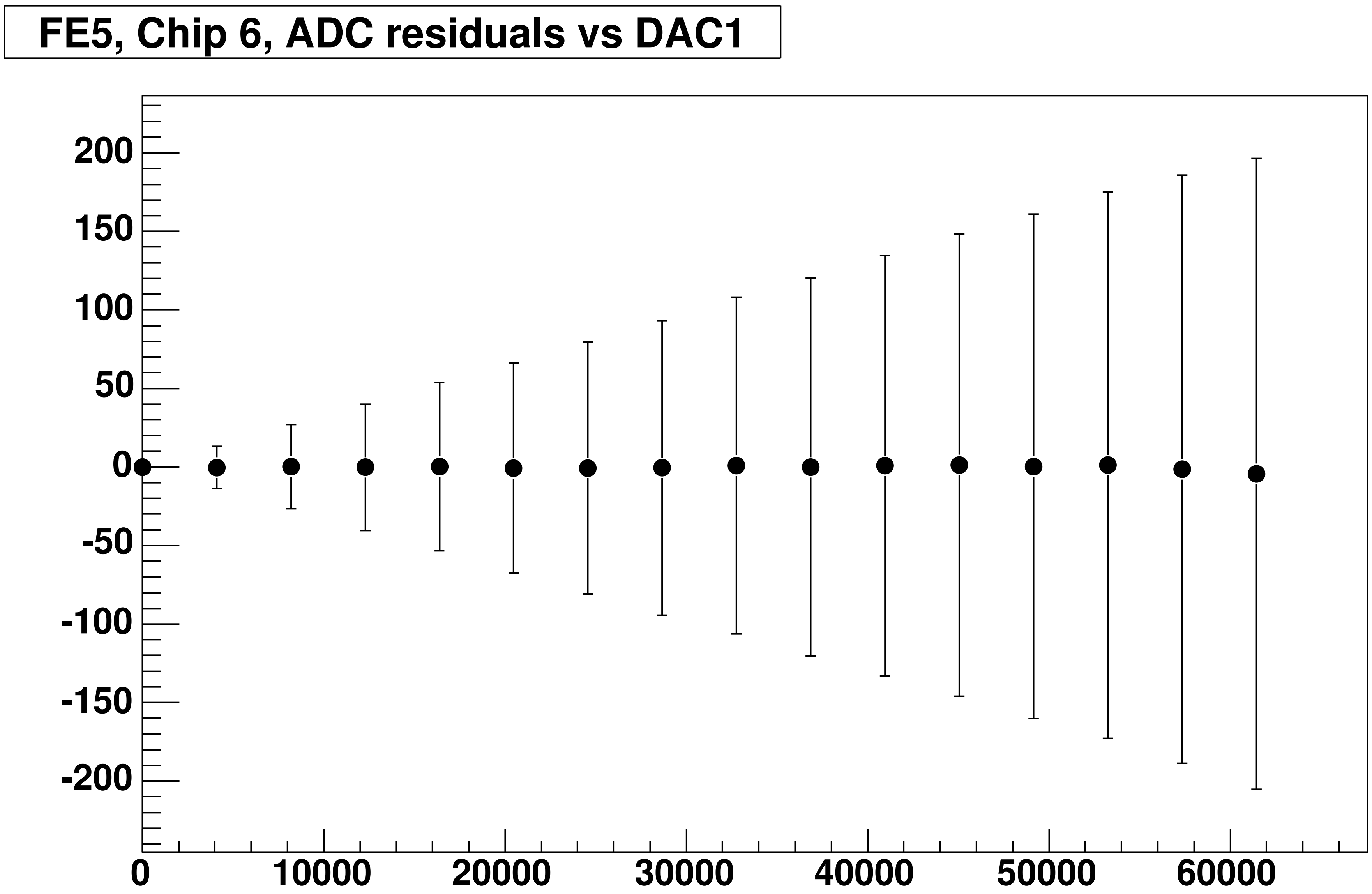
FE5, Chip 6, ADC mean vs DAC0
χ^2 / ndf 6.882e-06 / 11
p0 90.03 ± 41.88
p1 0.01406 ± 0.001888
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

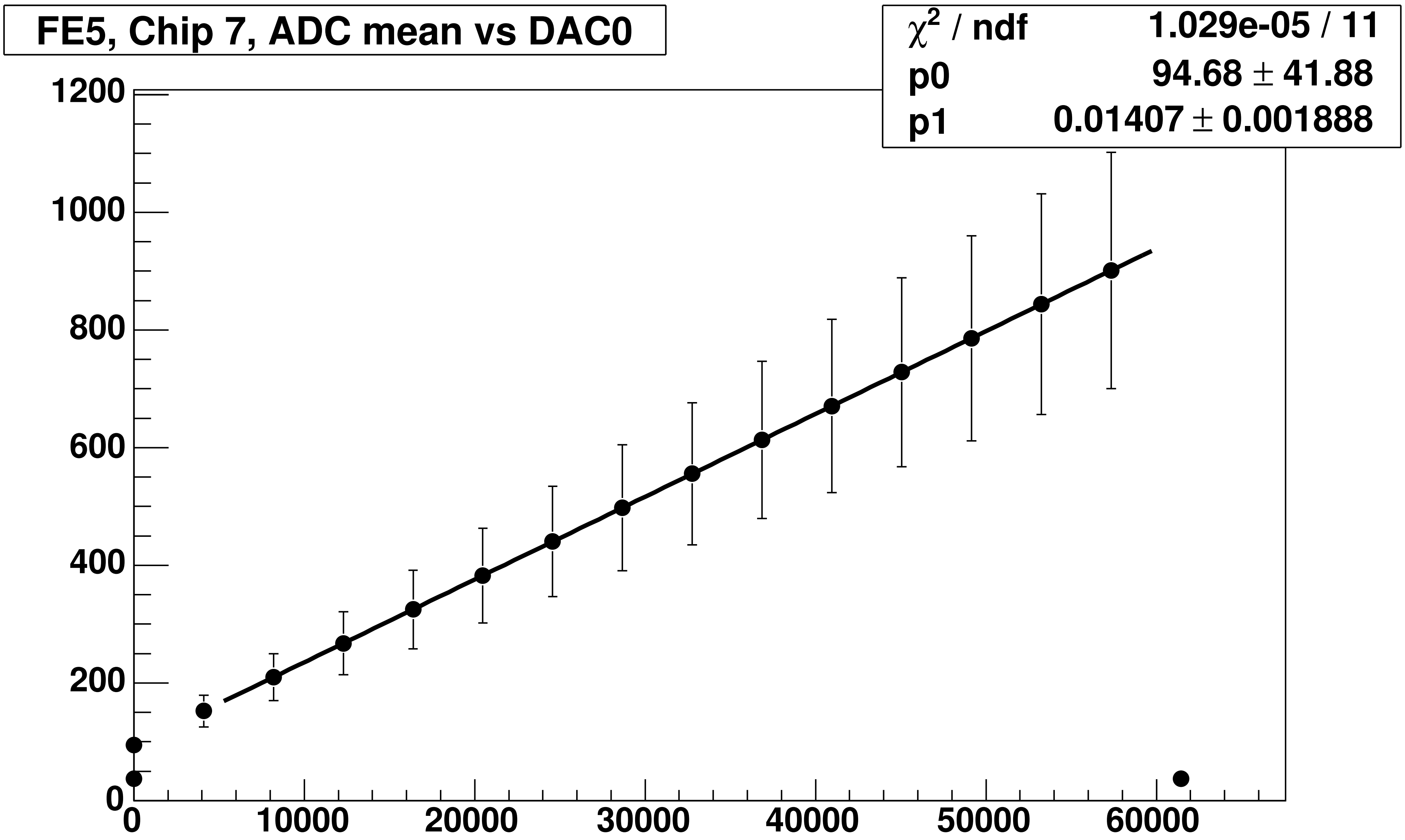

FE5, Chip 6, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

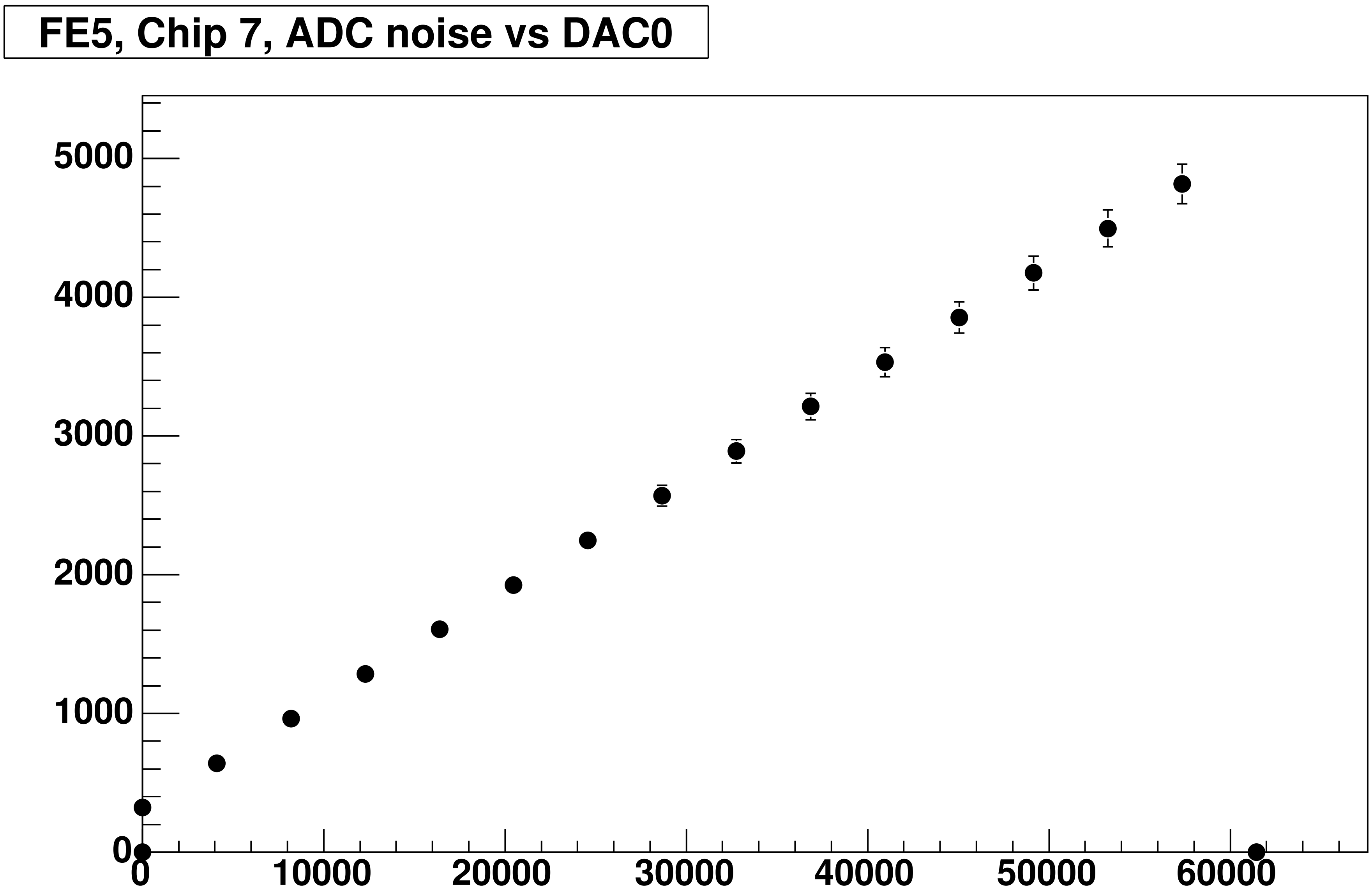

FE5, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

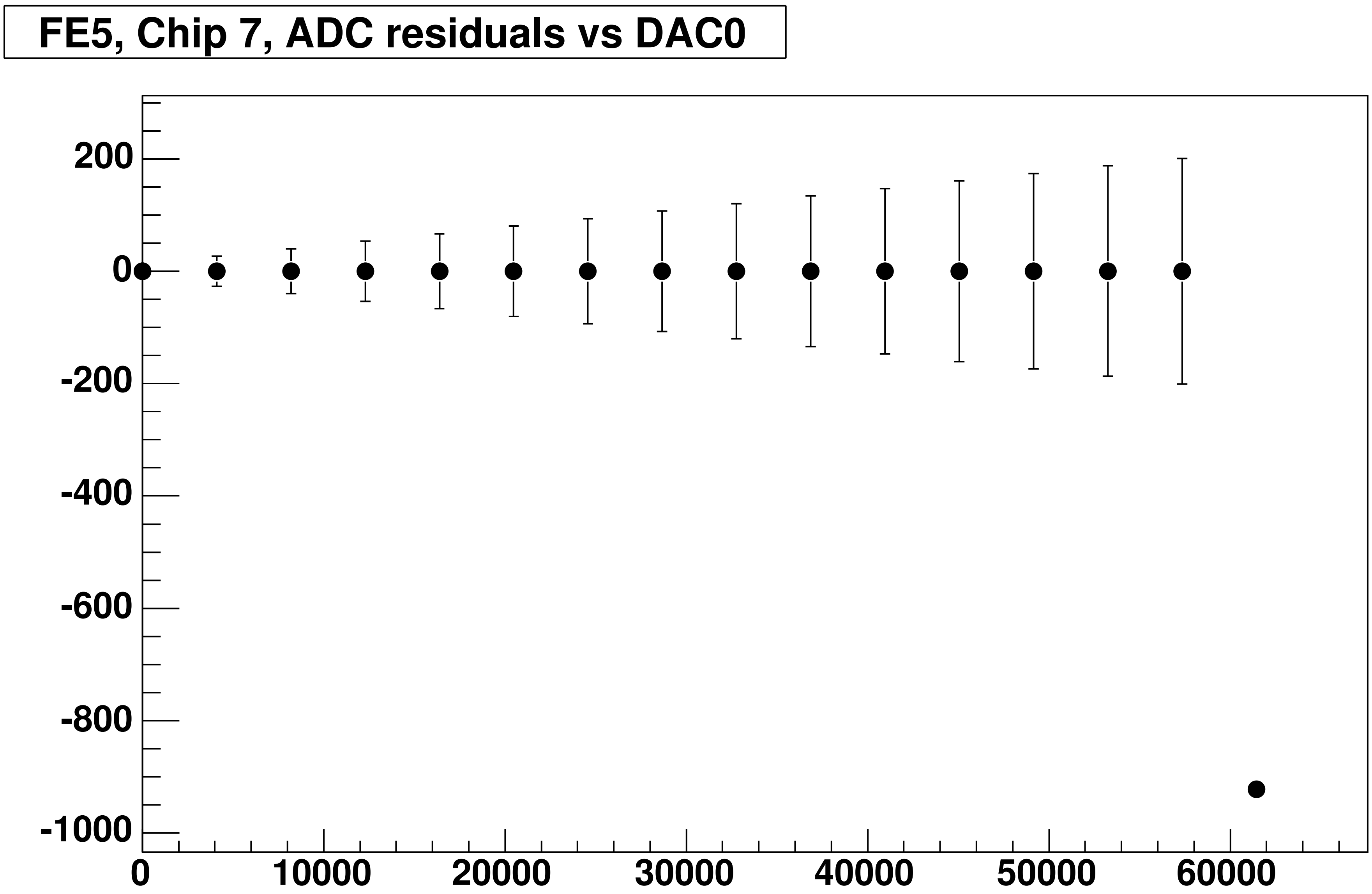

FE5, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.0006078 / 11
p0 32.57 $\pm$ 31.03
p1 0.4362 $\pm$ 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

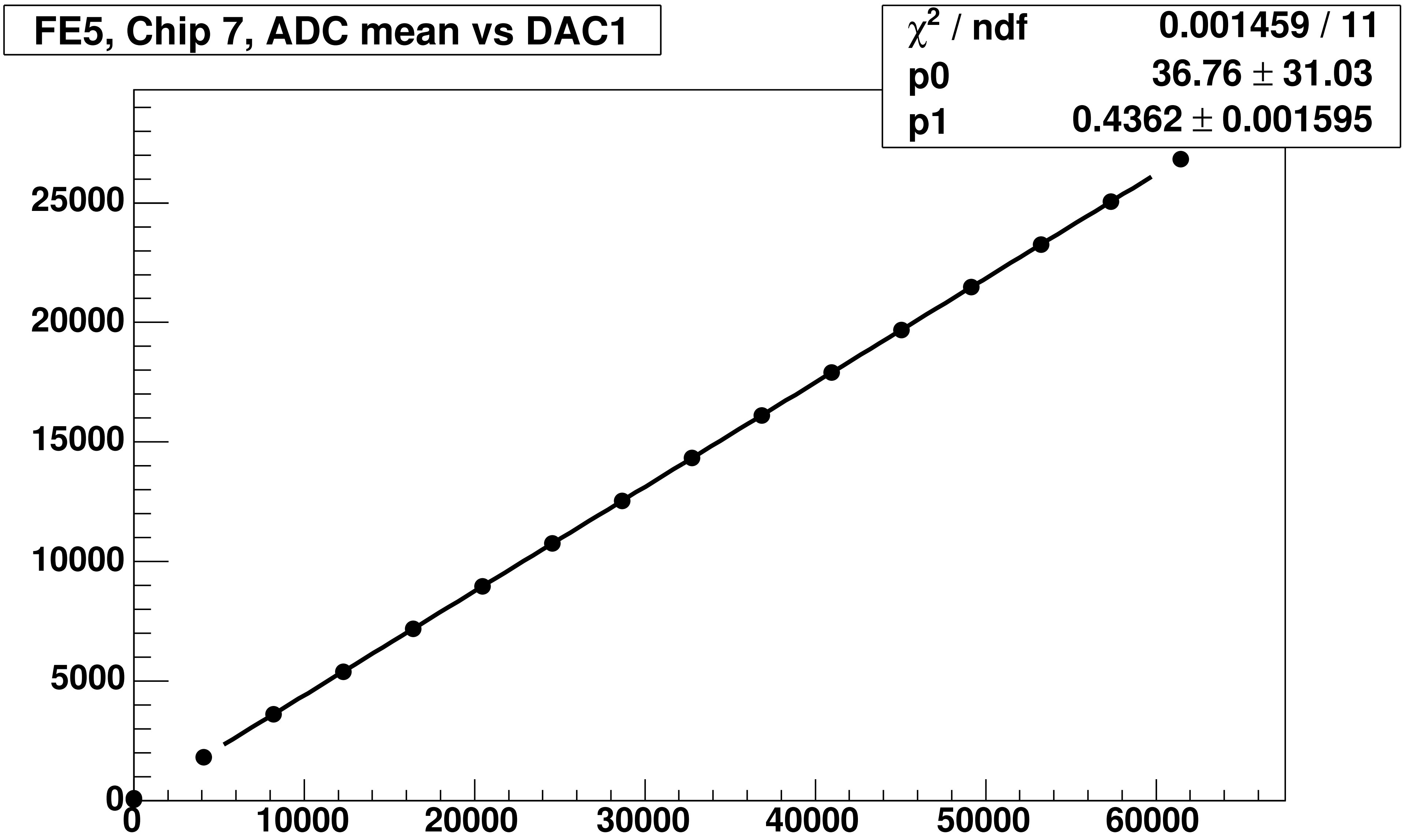

FE5, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

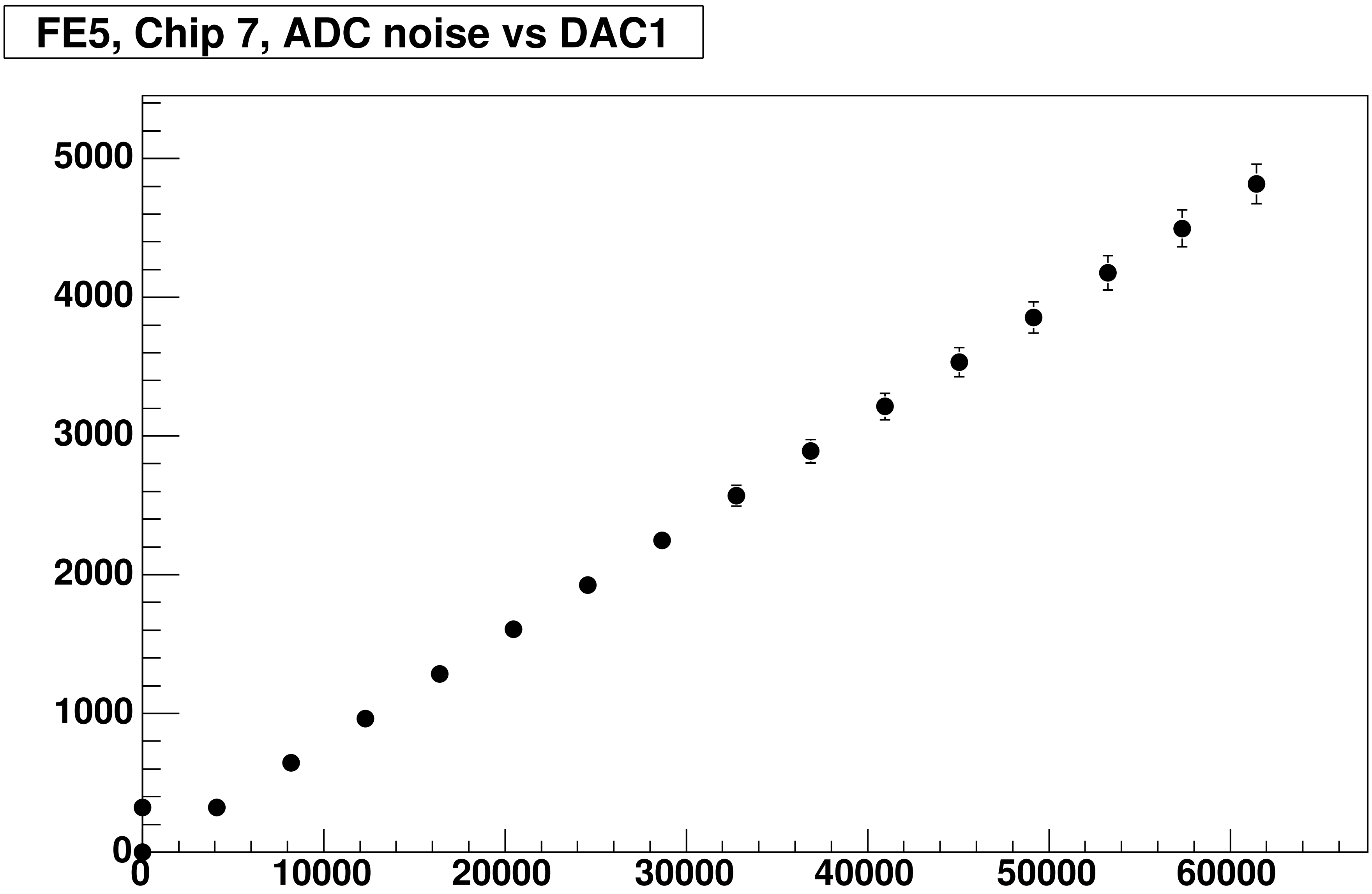

FE5, Chip 7, ADC mean vs DAC0
χ^2 / ndf 1.029e-05 / 11
p0 94.68 ± 41.88
p1 0.01407 ± 0.001888
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

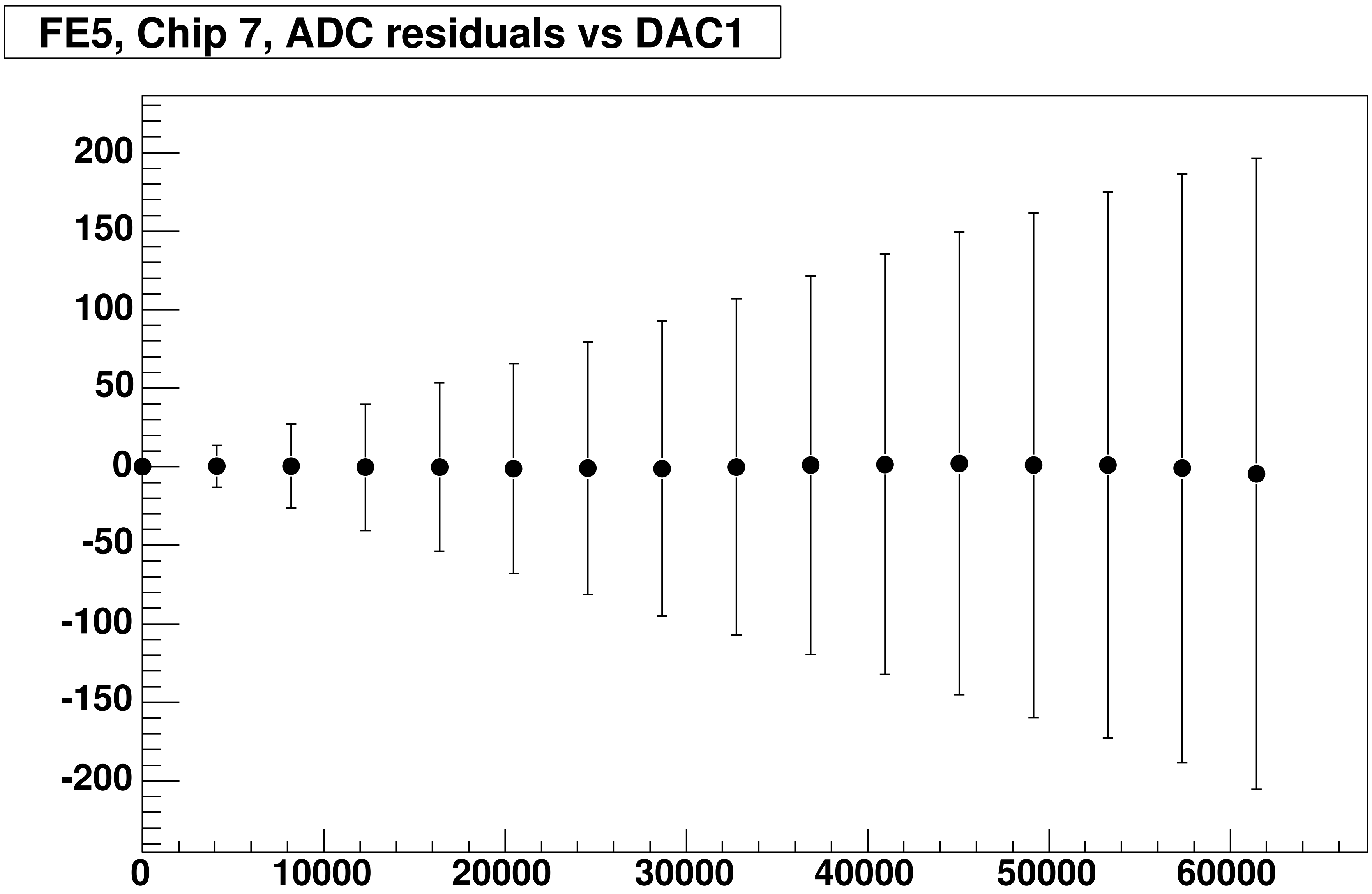

FE5, Chip 7, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

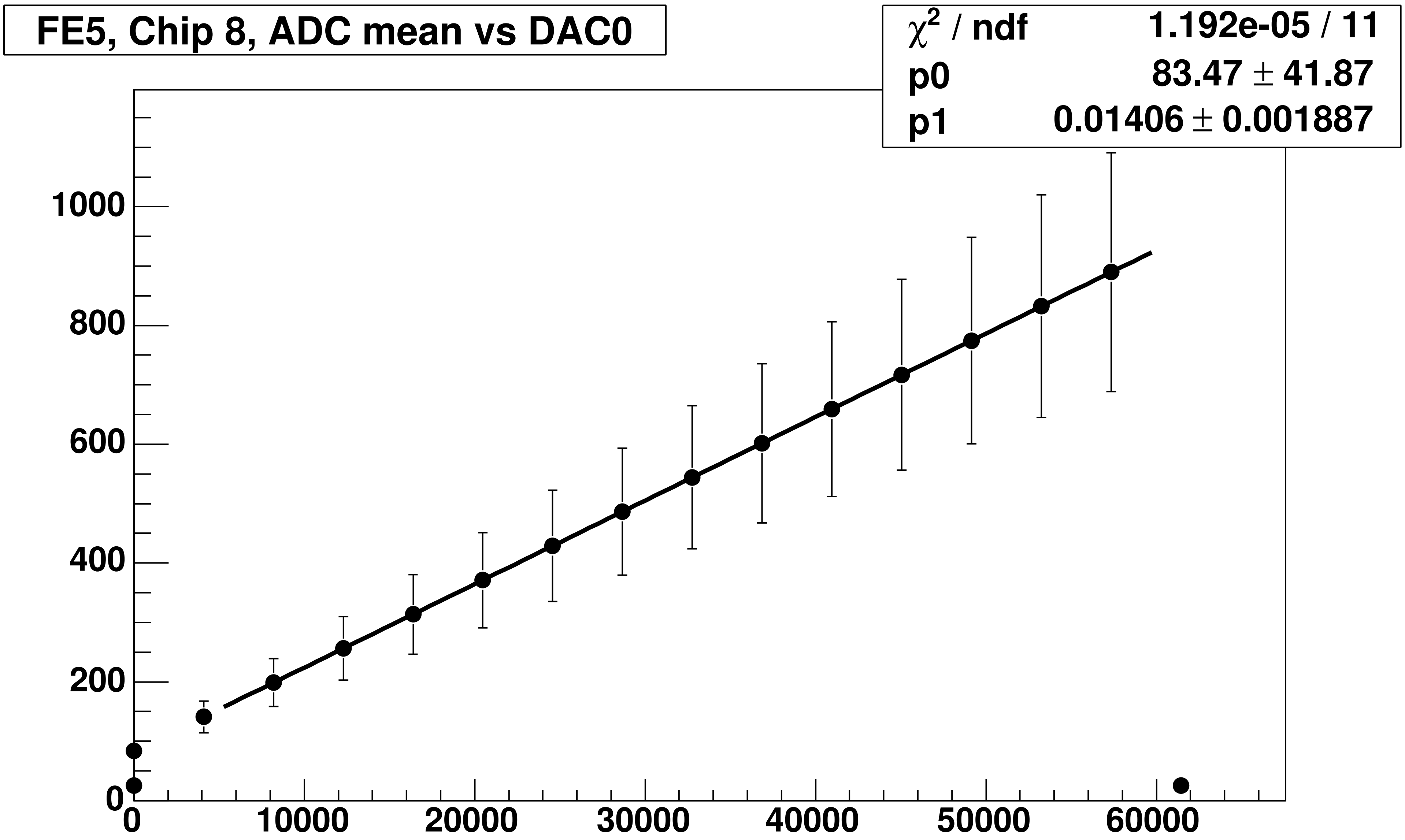


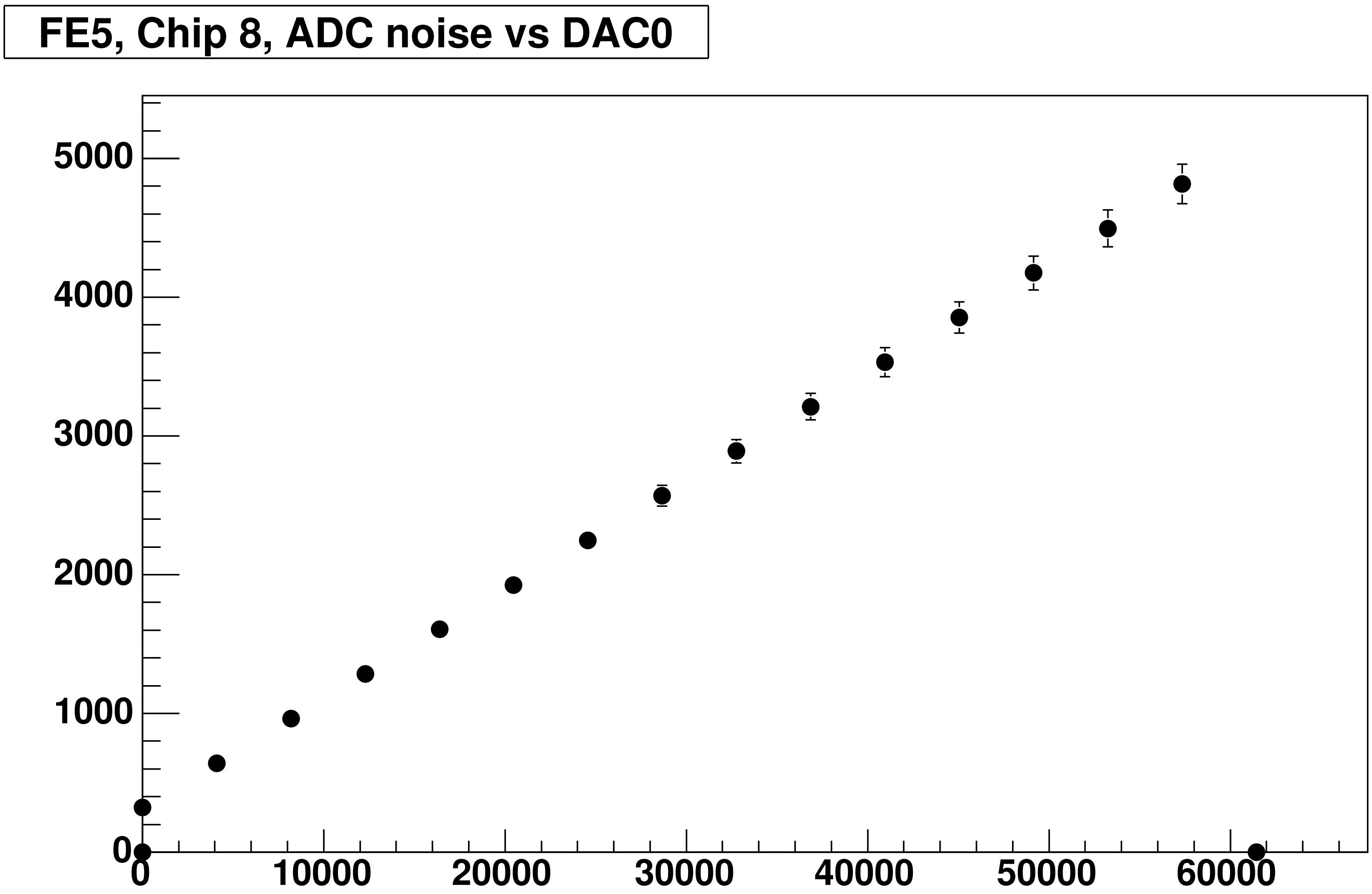
FE5, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.001459 / 11
p0 36.76 ± 31.03
p1 0.4362 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

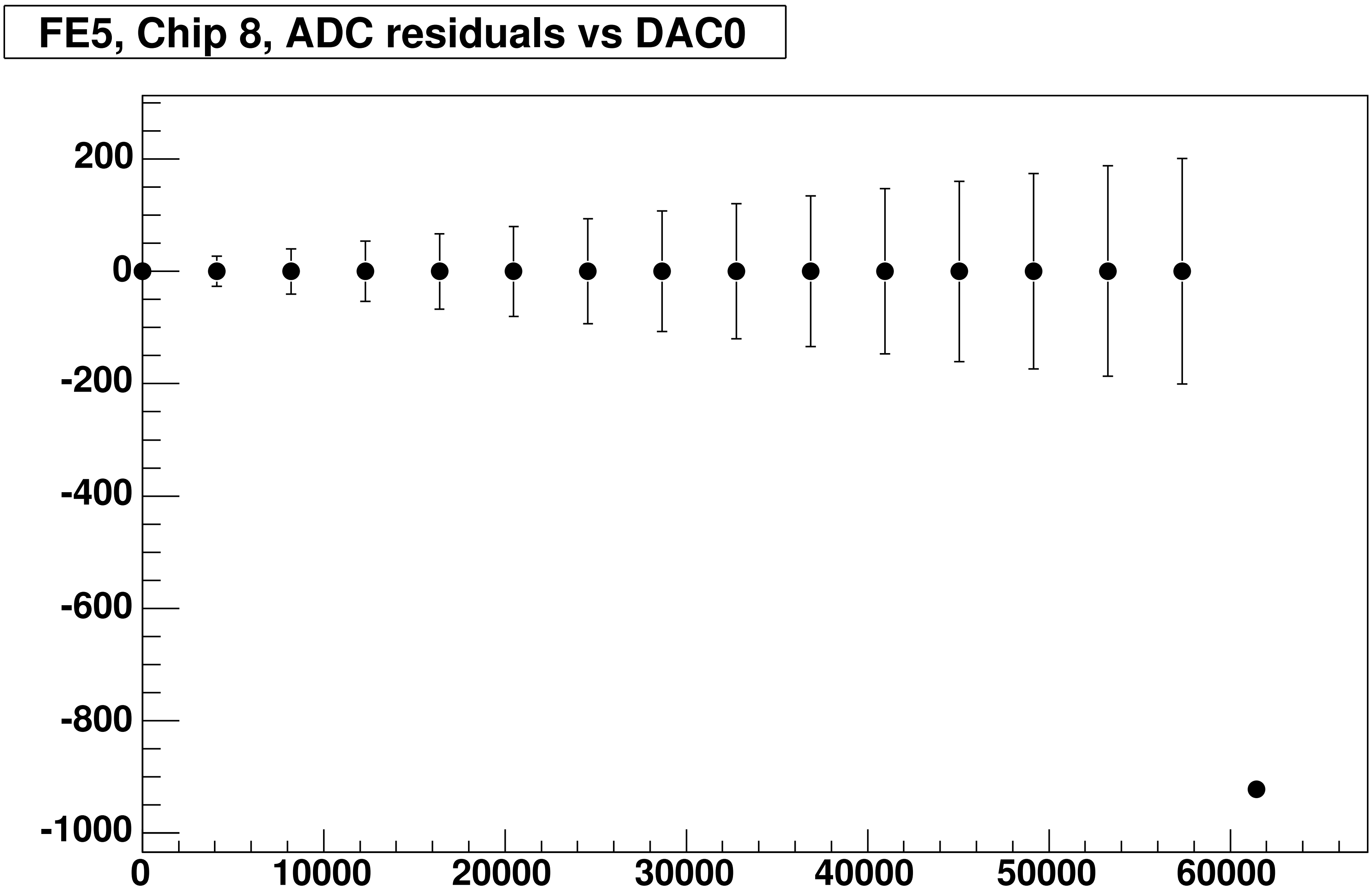


FE5, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

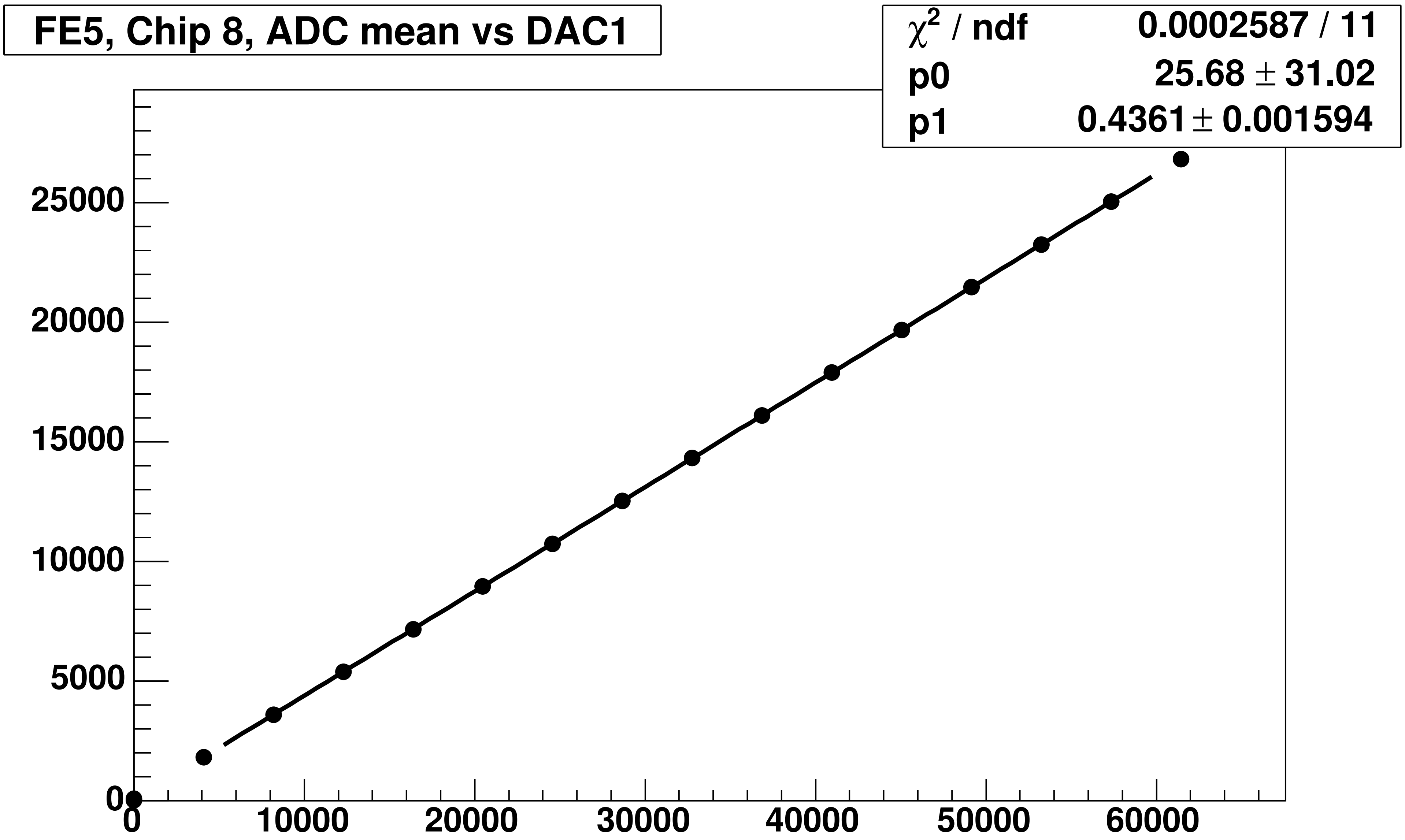

FE5, Chip 8, ADC mean vs DAC0
χ^2 / ndf 1.192e-05 / 11
p0 83.47 ± 41.87
p1 0.01406 ± 0.001887
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

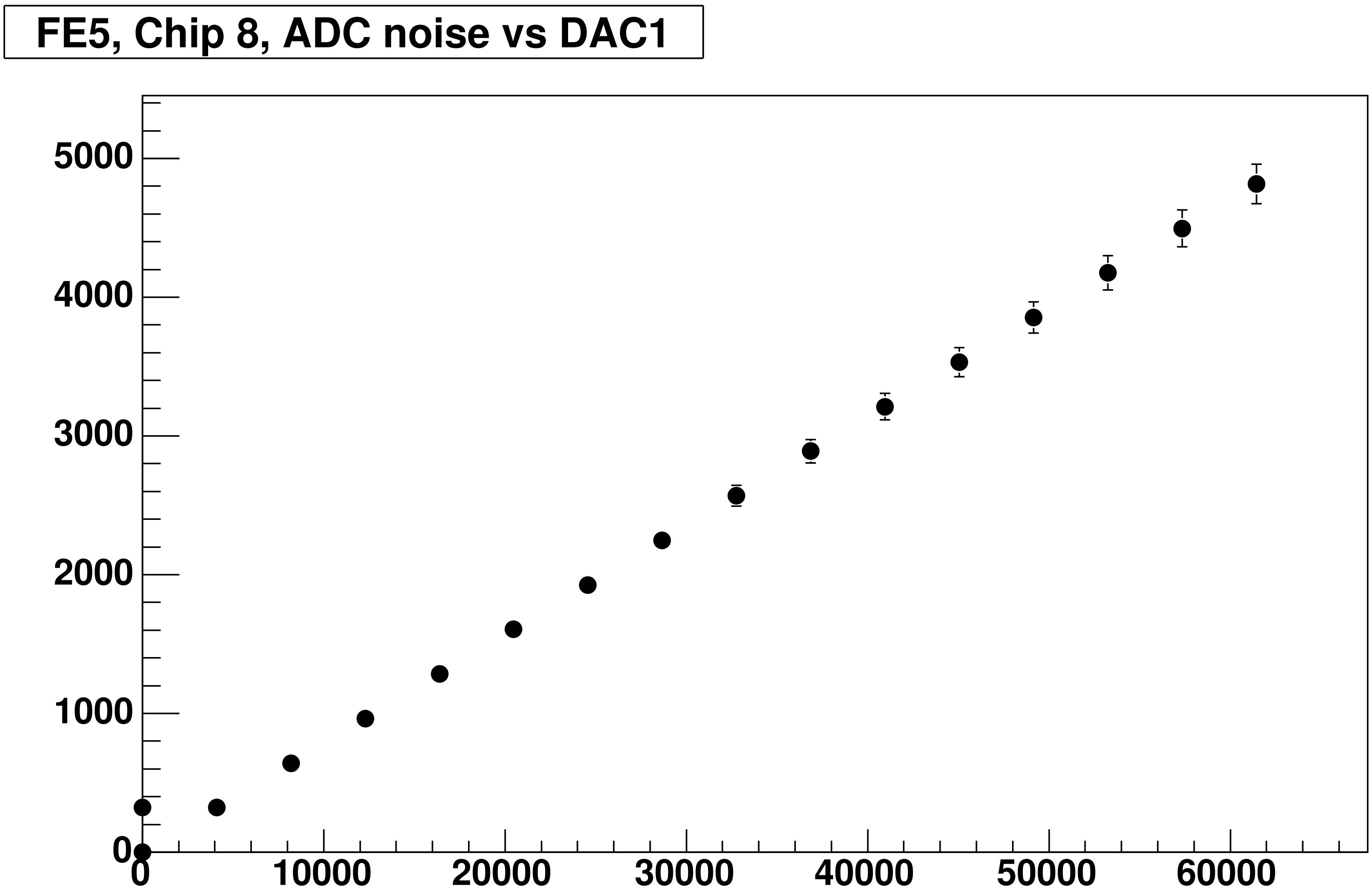


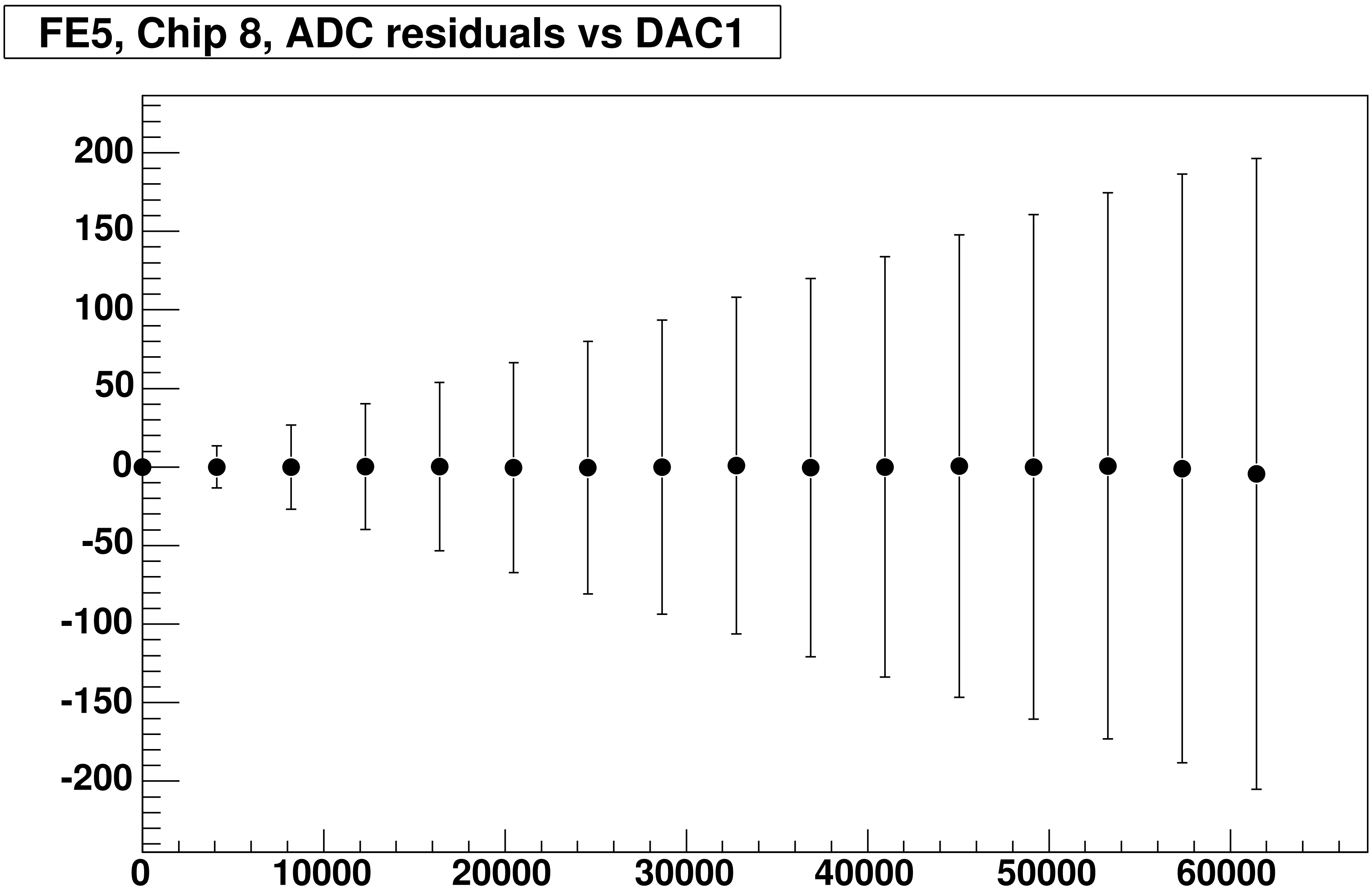
FE5, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

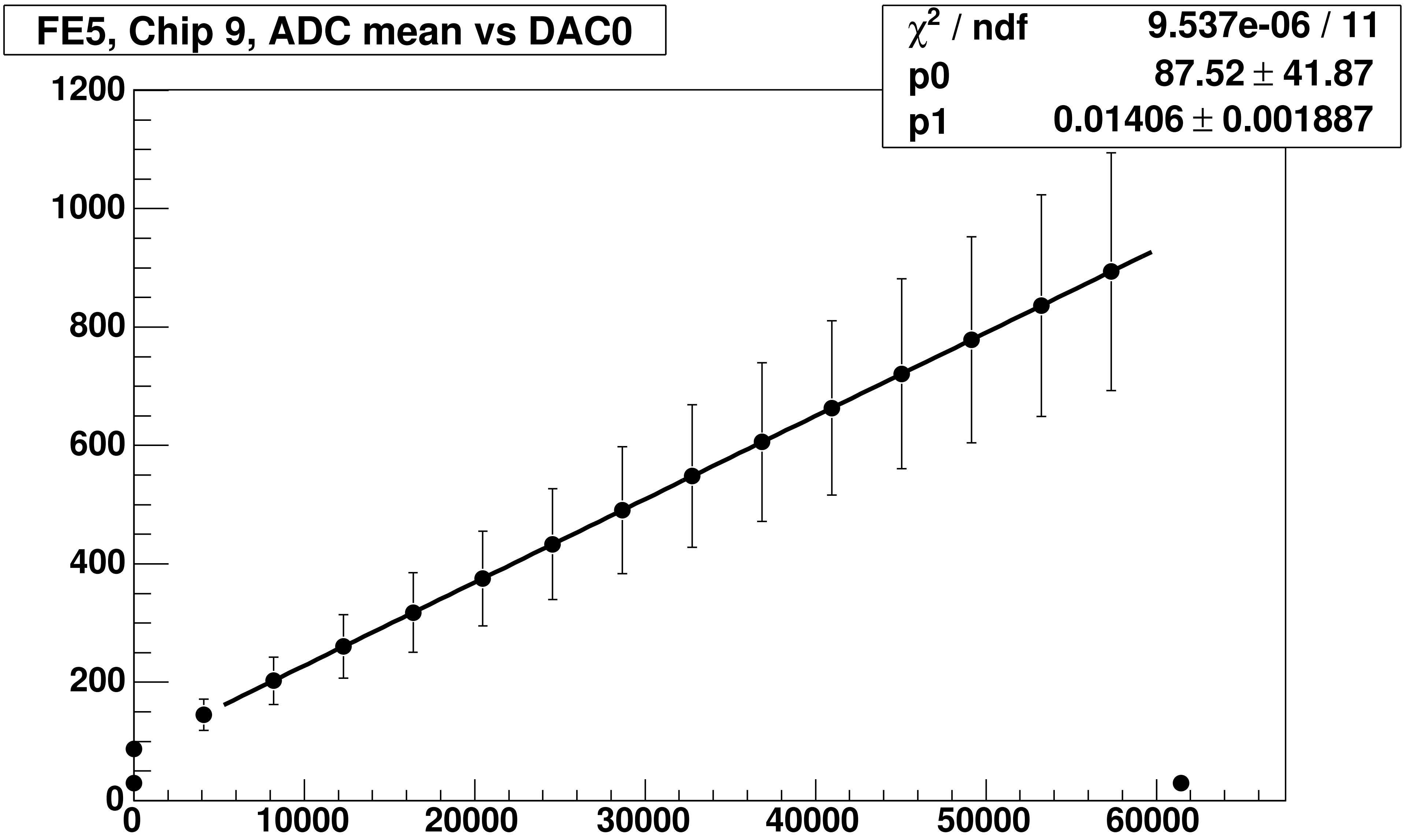


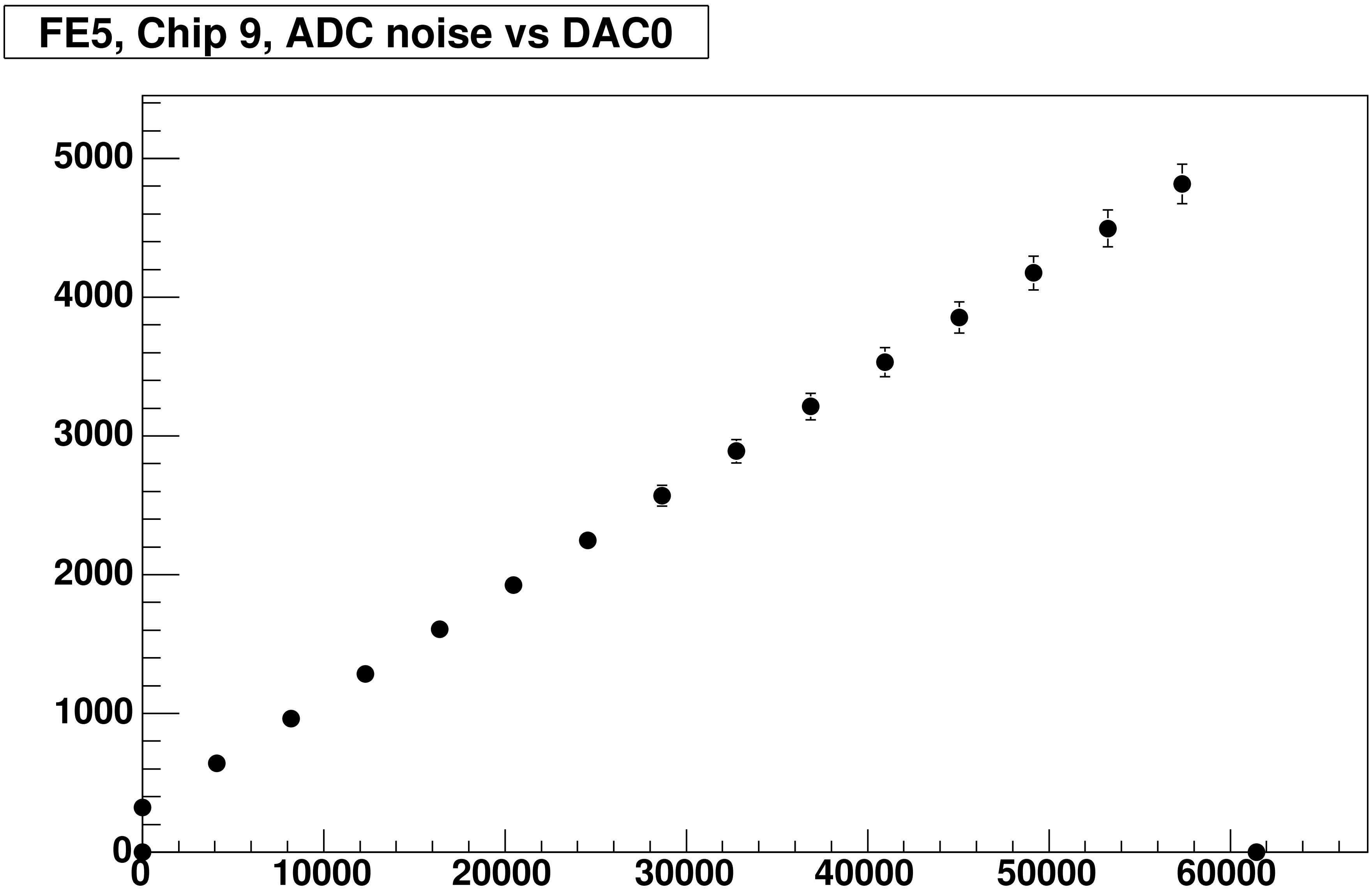
FE5, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

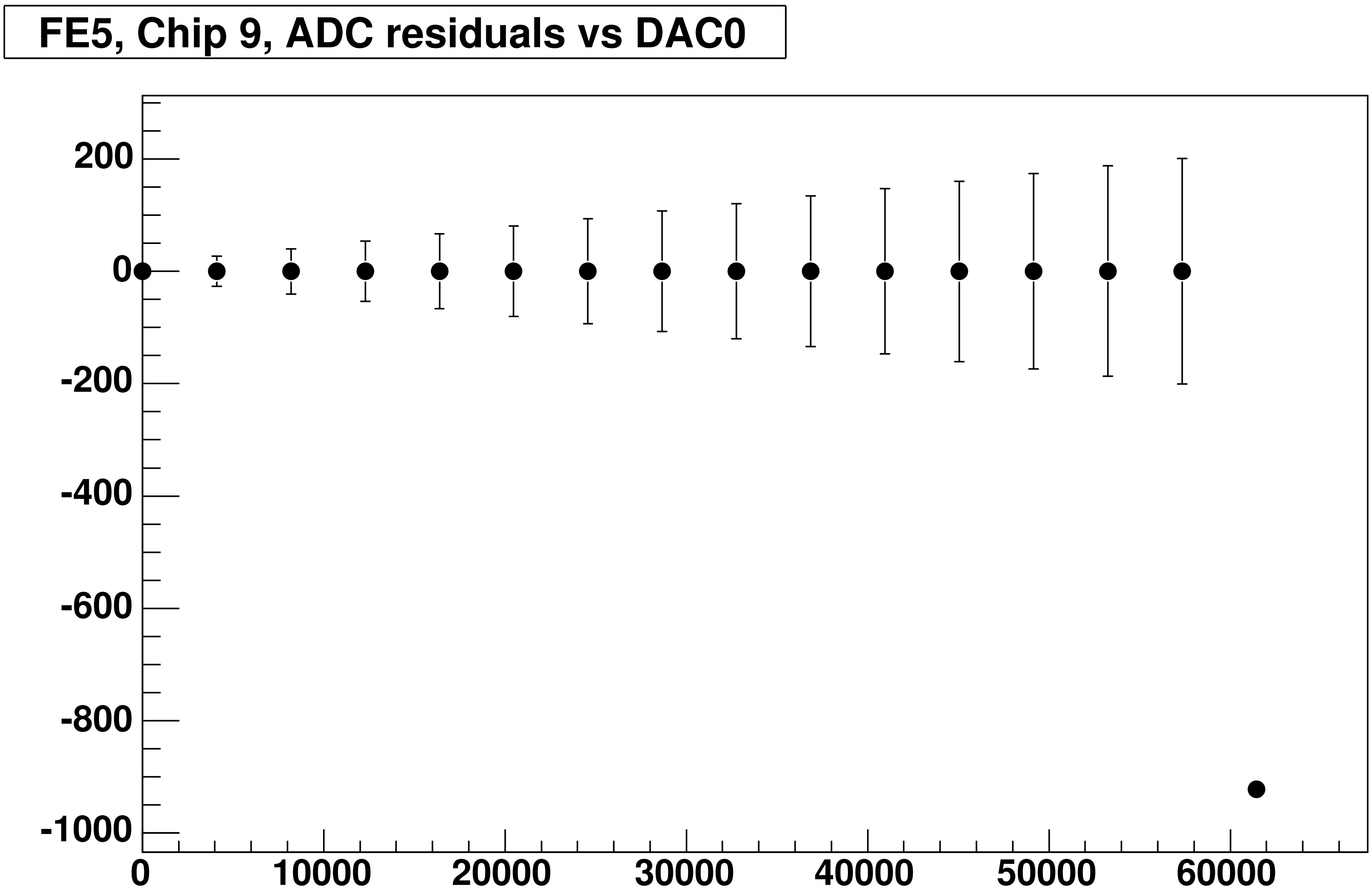

FE5, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.0002587 / 11
p0 25.68 ± 31.02
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

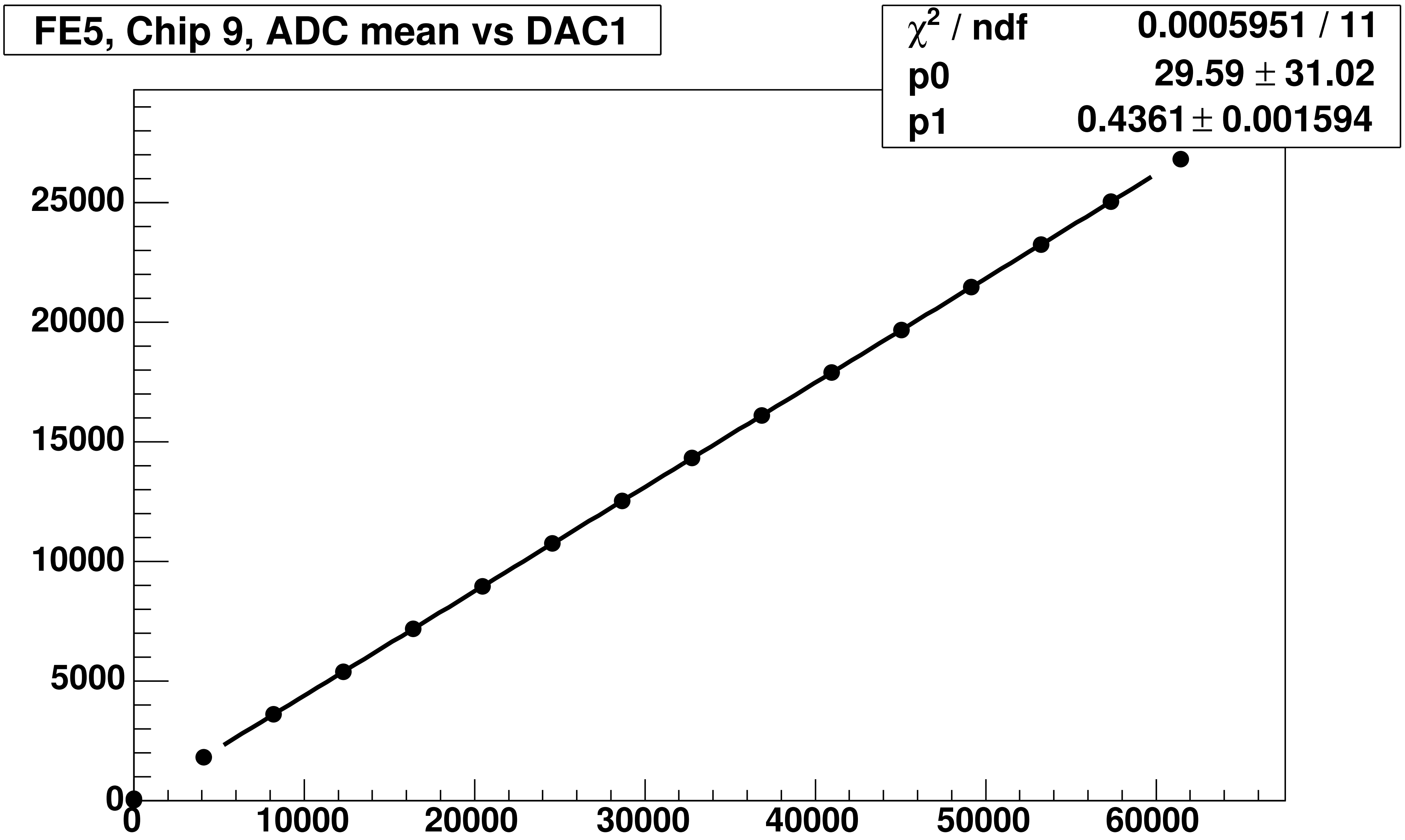

FE5, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

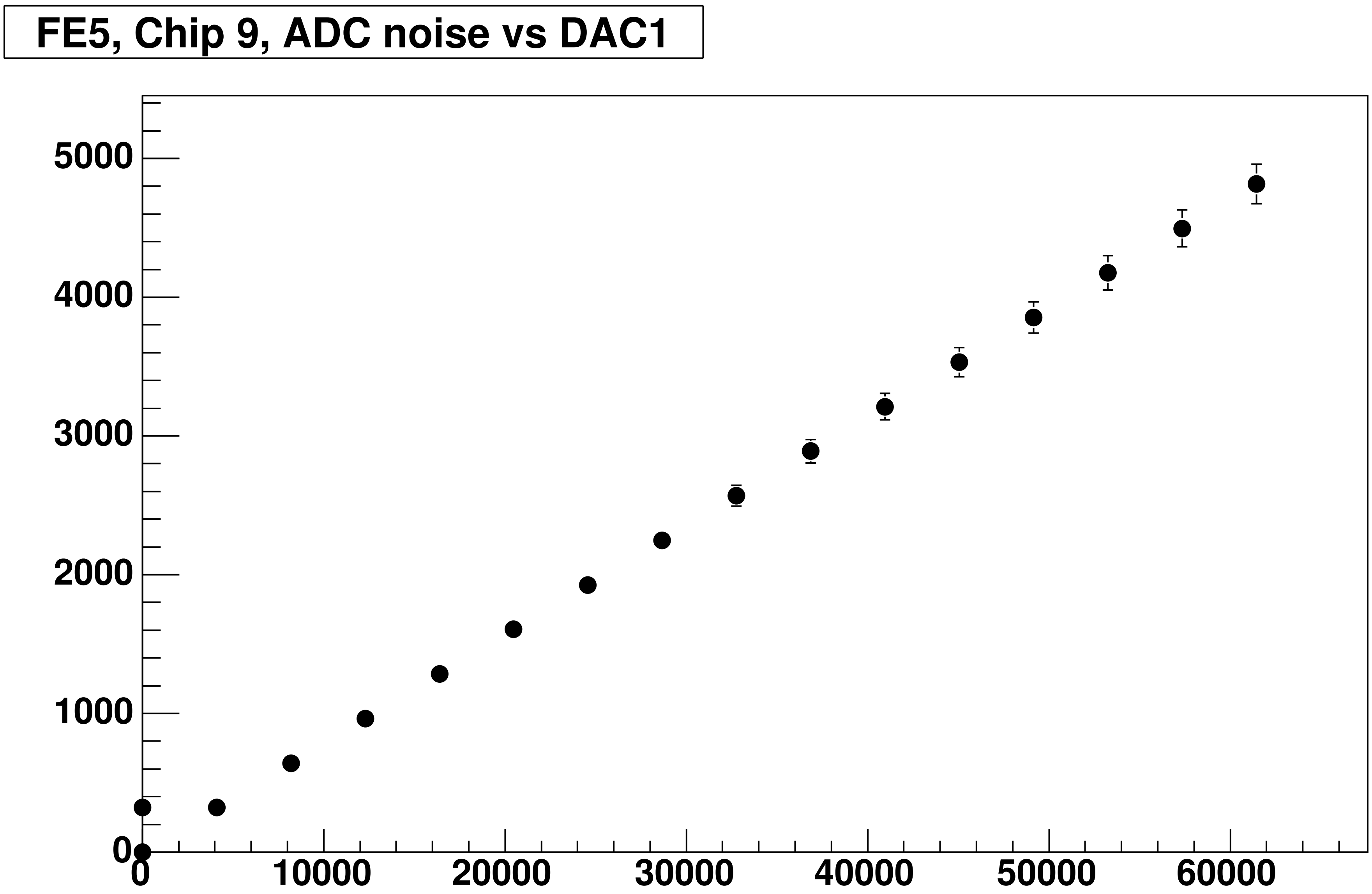

FE5, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

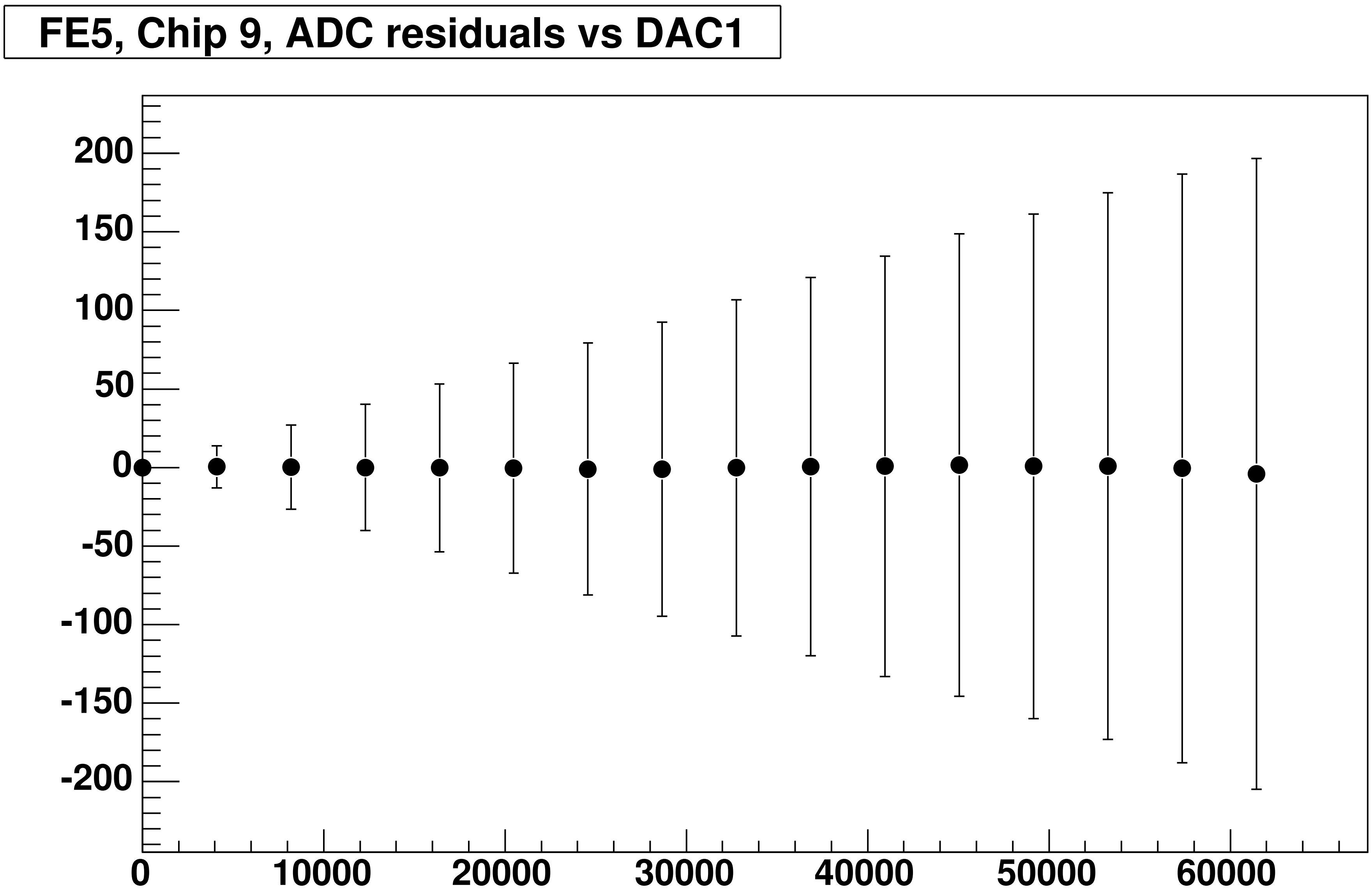

FE5, Chip 9, ADC mean vs DAC0
χ^2 / ndf 9.537e-06 / 11
p0 87.52 ± 41.87
p1 0.01406 ± 0.001887
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

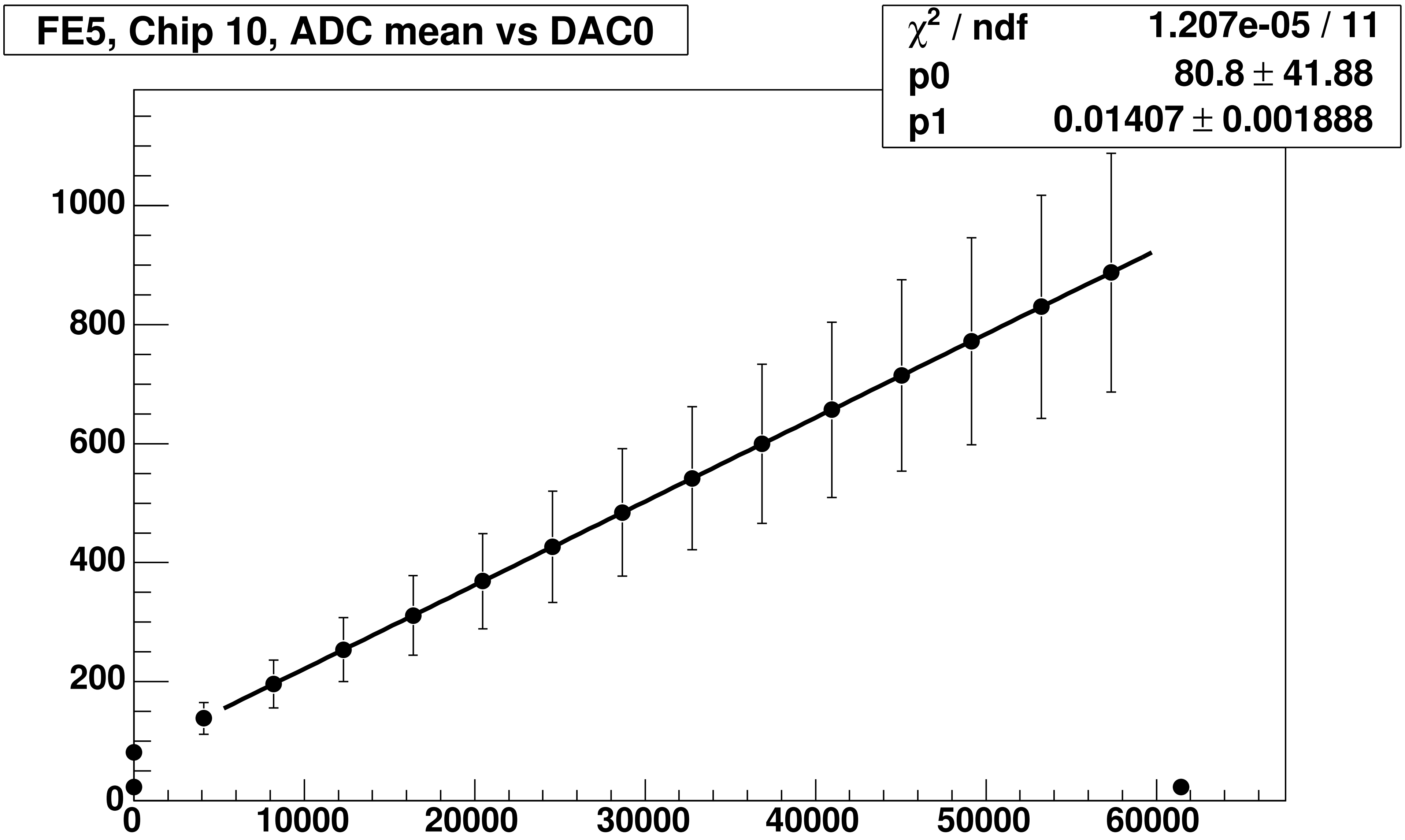

FE5, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

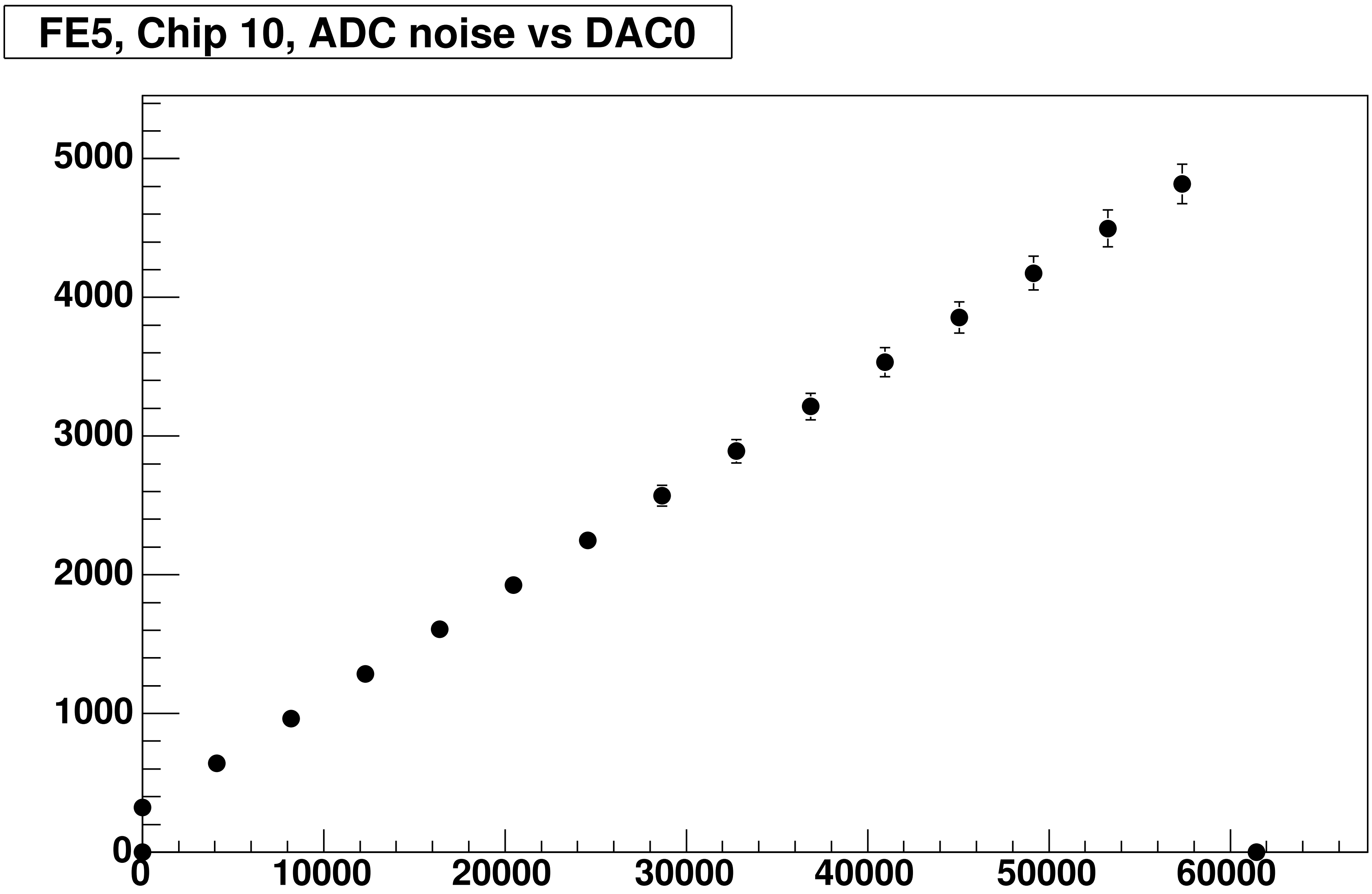

FE5, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

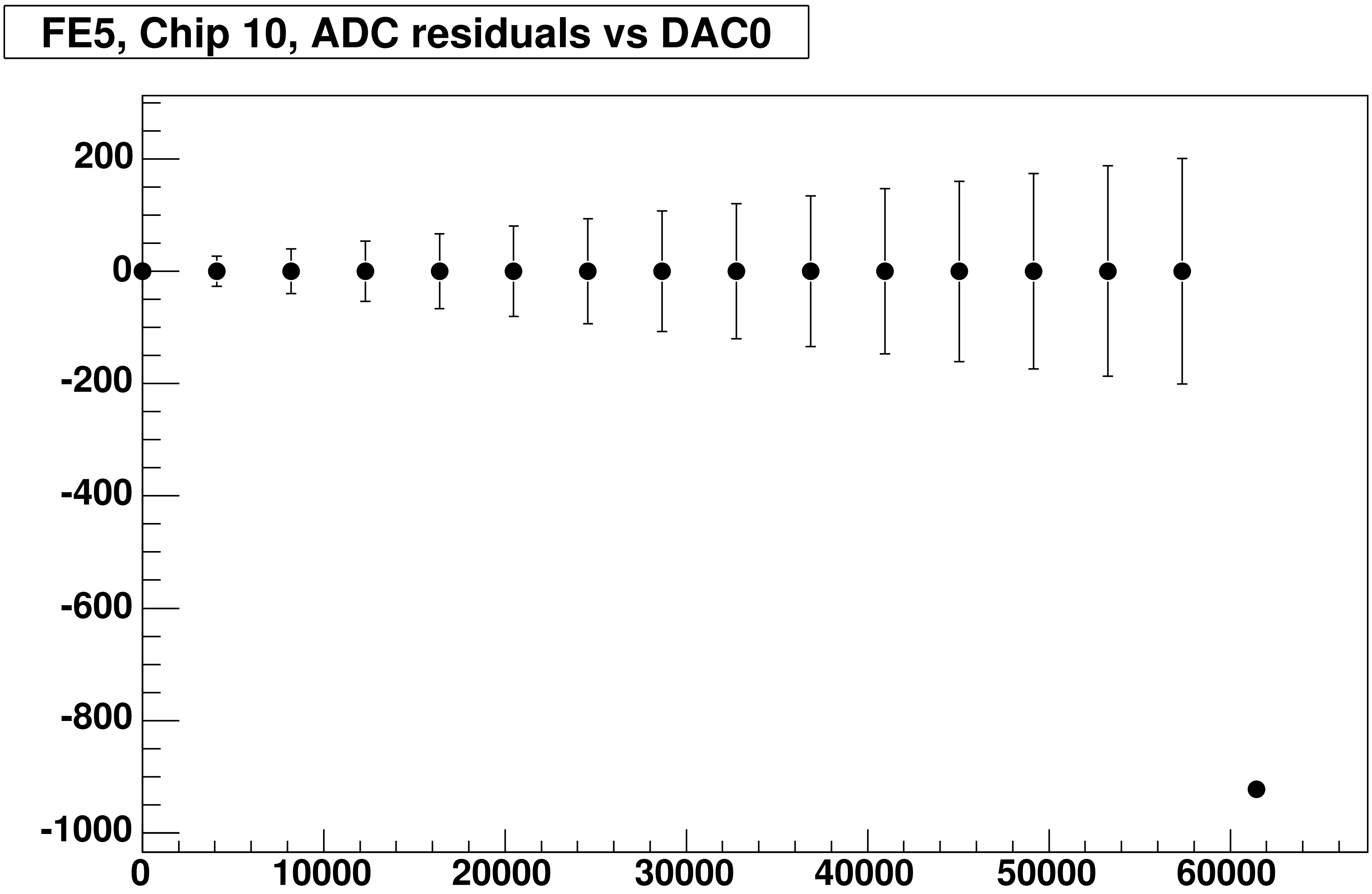

FE5, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0005951 / 11
p0 29.59 ± 31.02
p1 0.4361 ± 0.001594
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

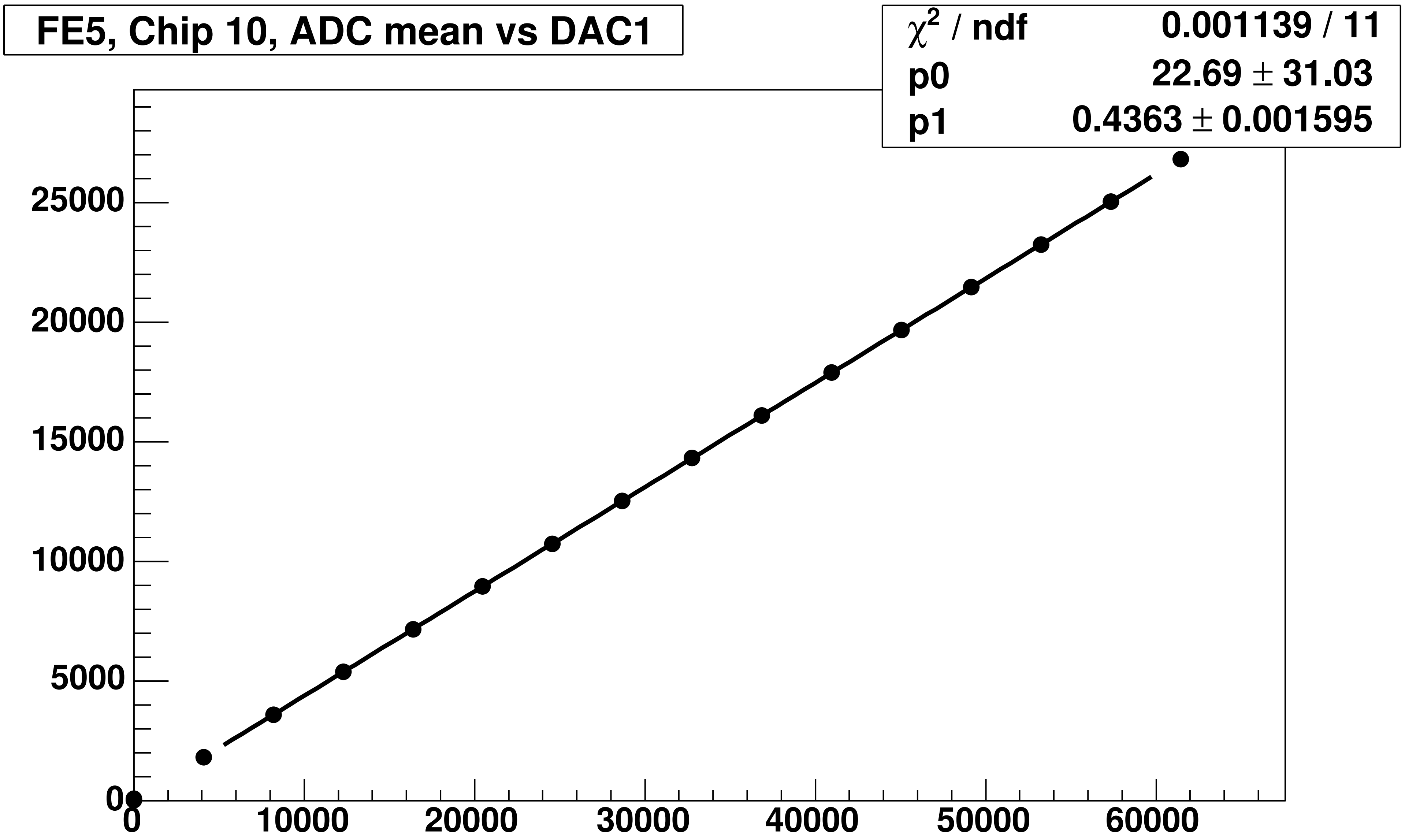

FE5, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

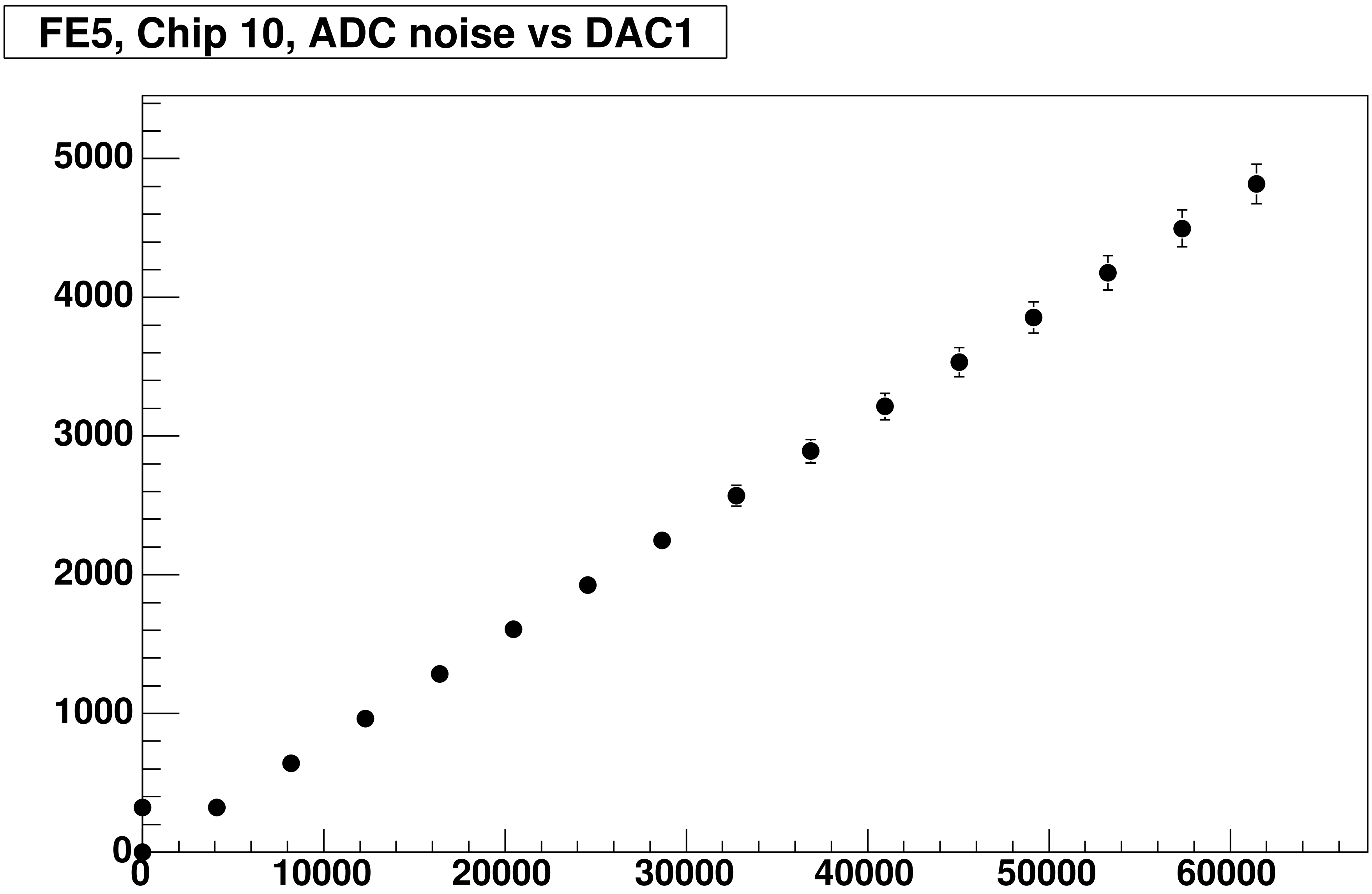

FE5, Chip 10, ADC mean vs DAC0
χ^2 / ndf 1.207e-05 / 11
p0 80.8 ± 41.88
p1 0.01407 ± 0.001888
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

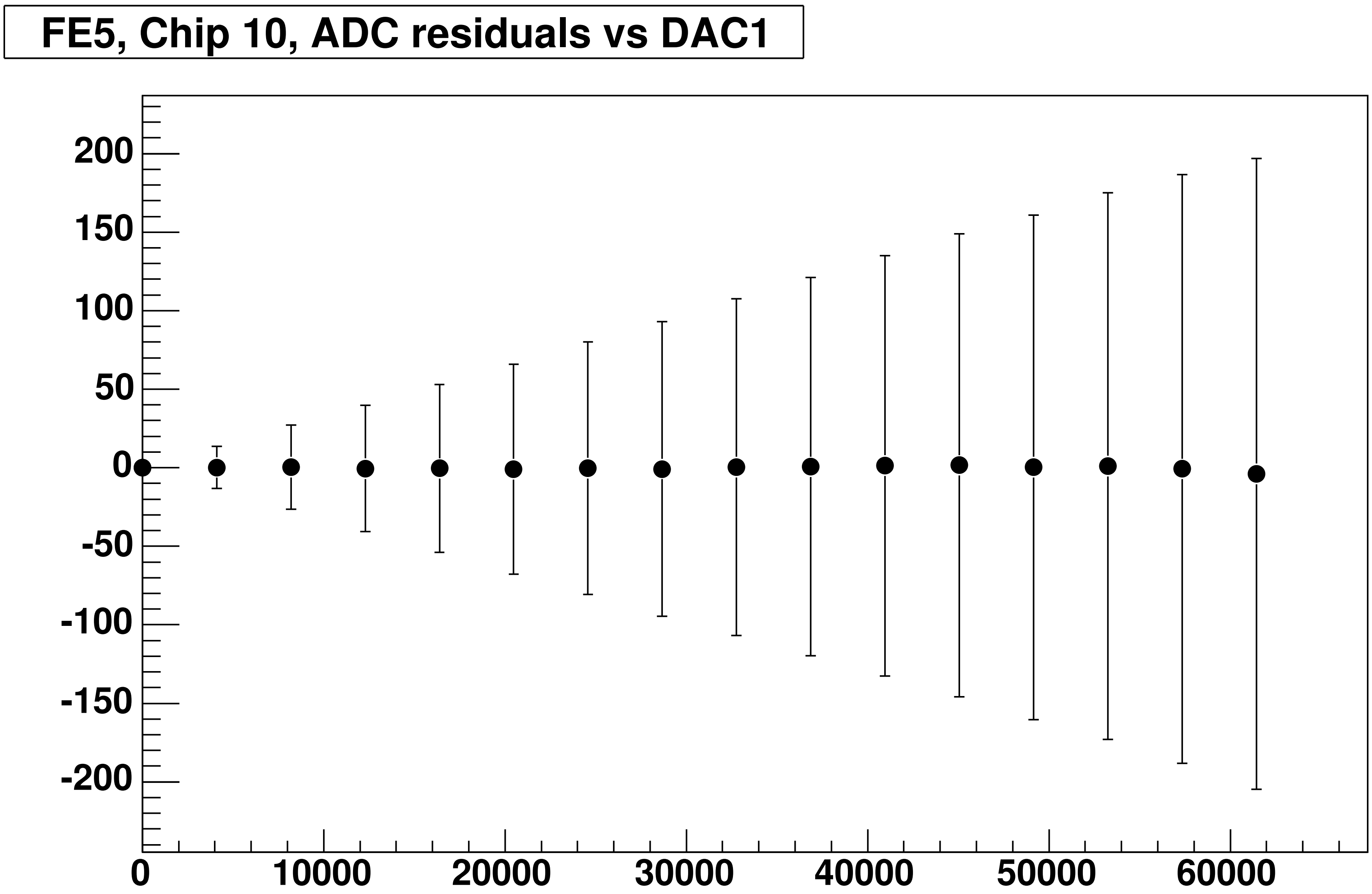

FE5, Chip 10, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

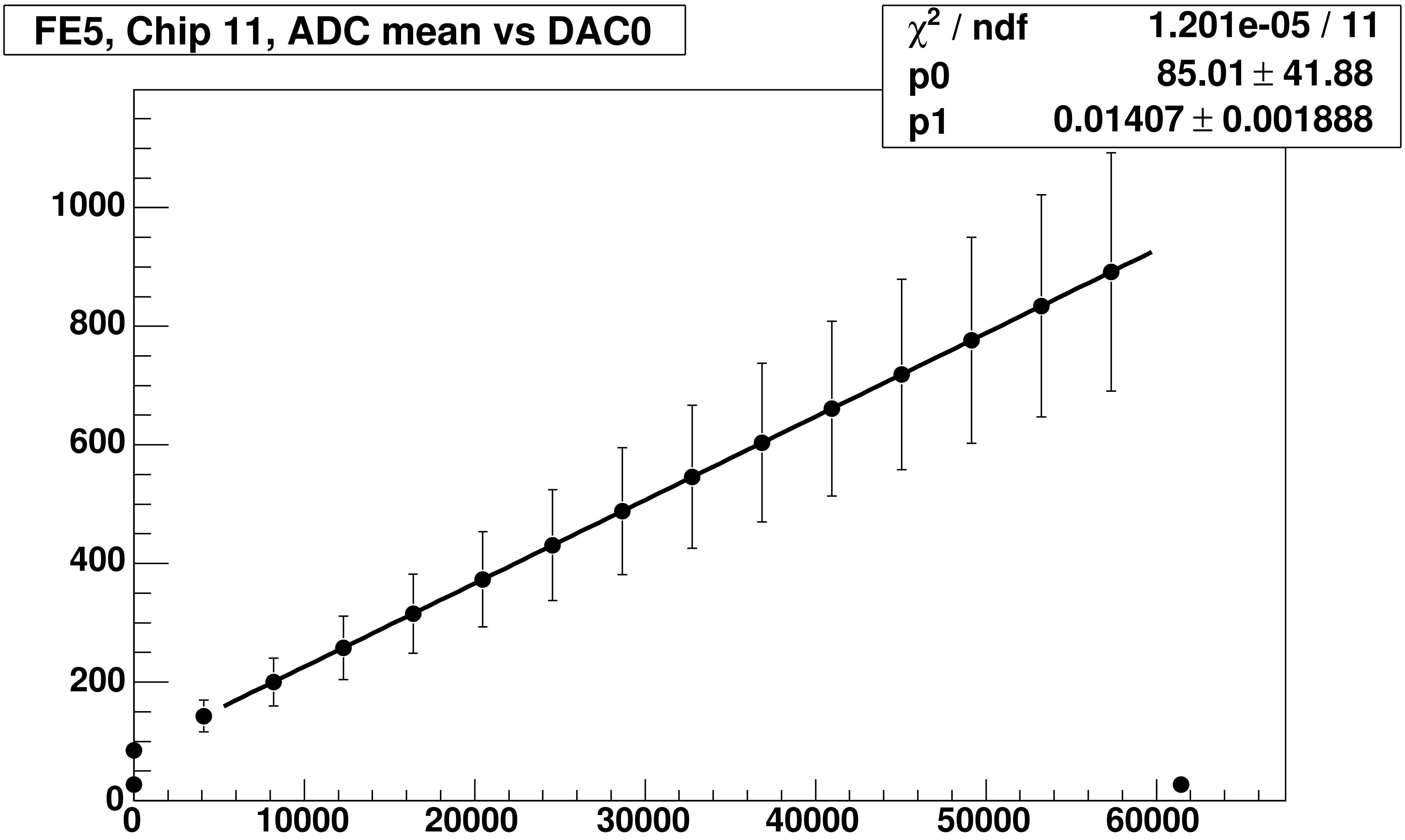

FE5, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

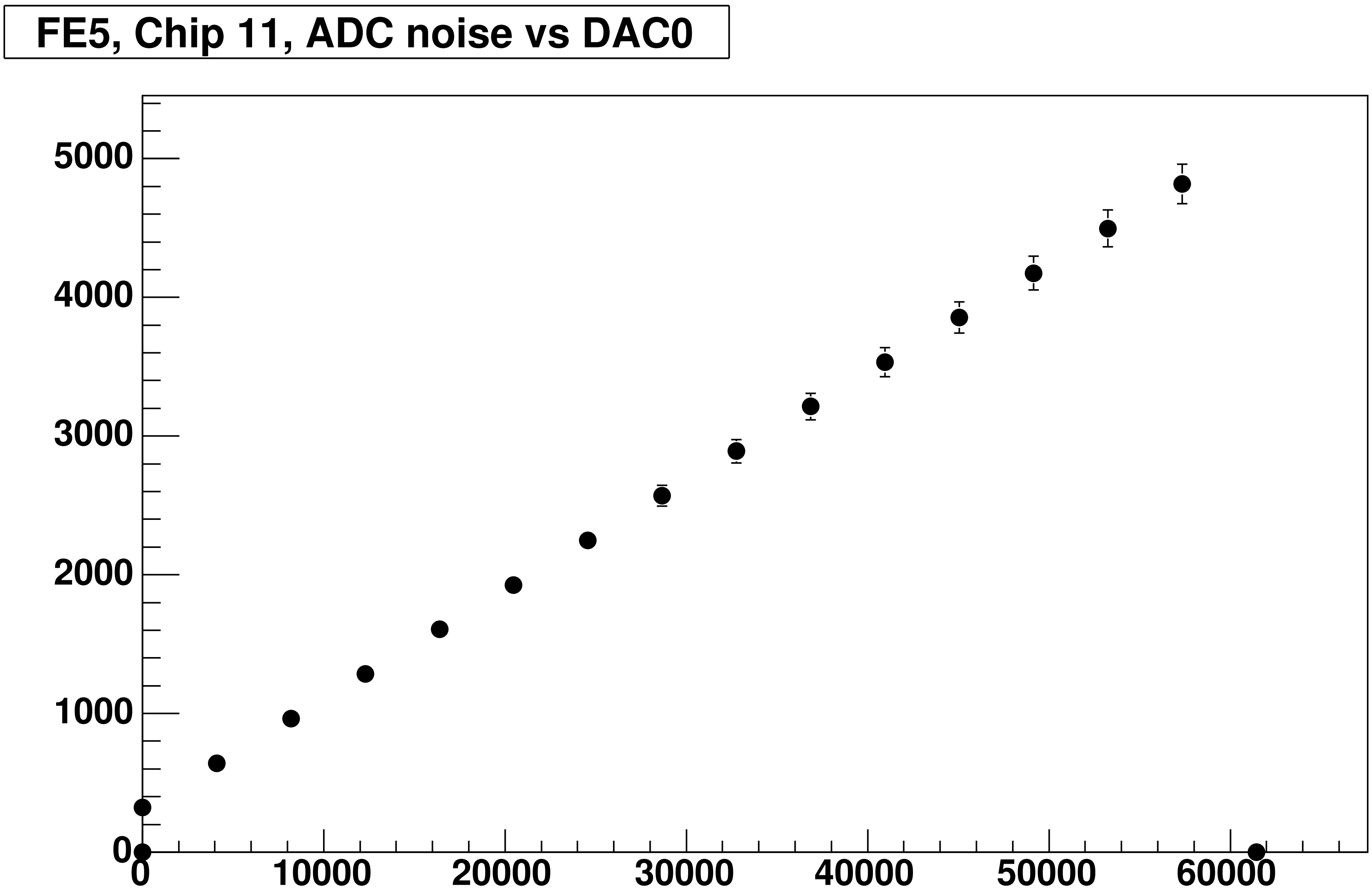


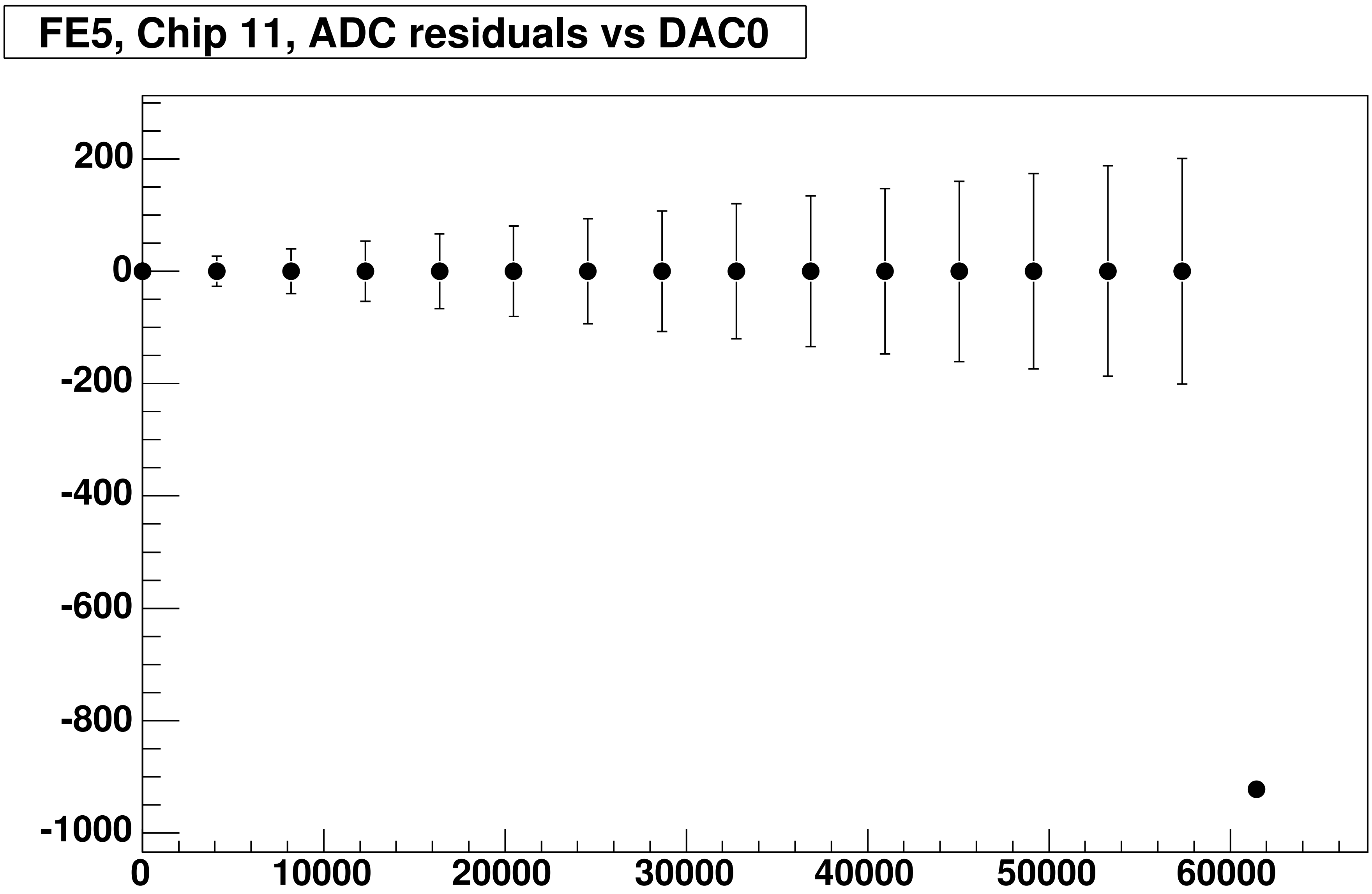
FE5, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001139 / 11
p0 22.69 ± 31.03
p1 0.4363 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

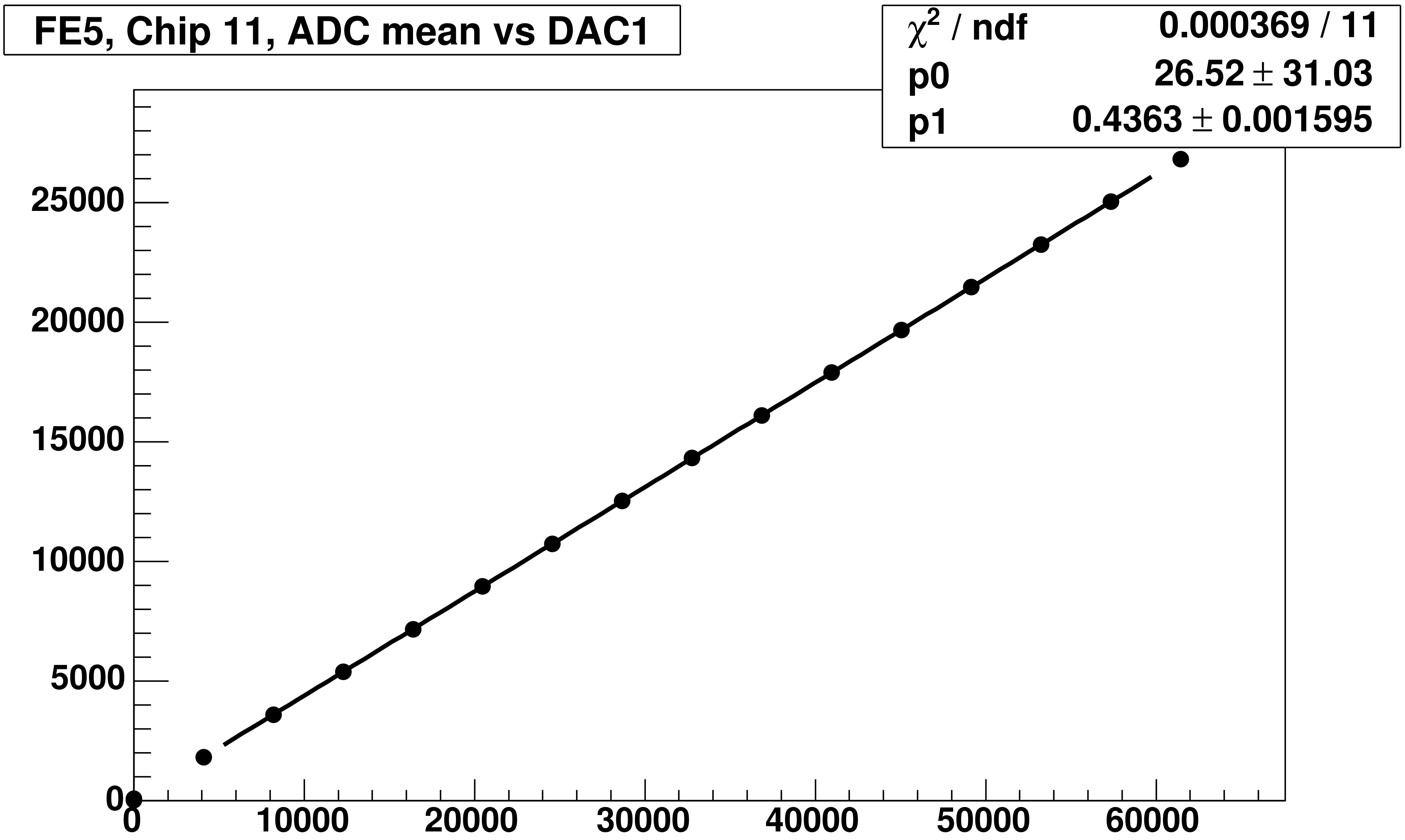

FE5, Chip 10, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

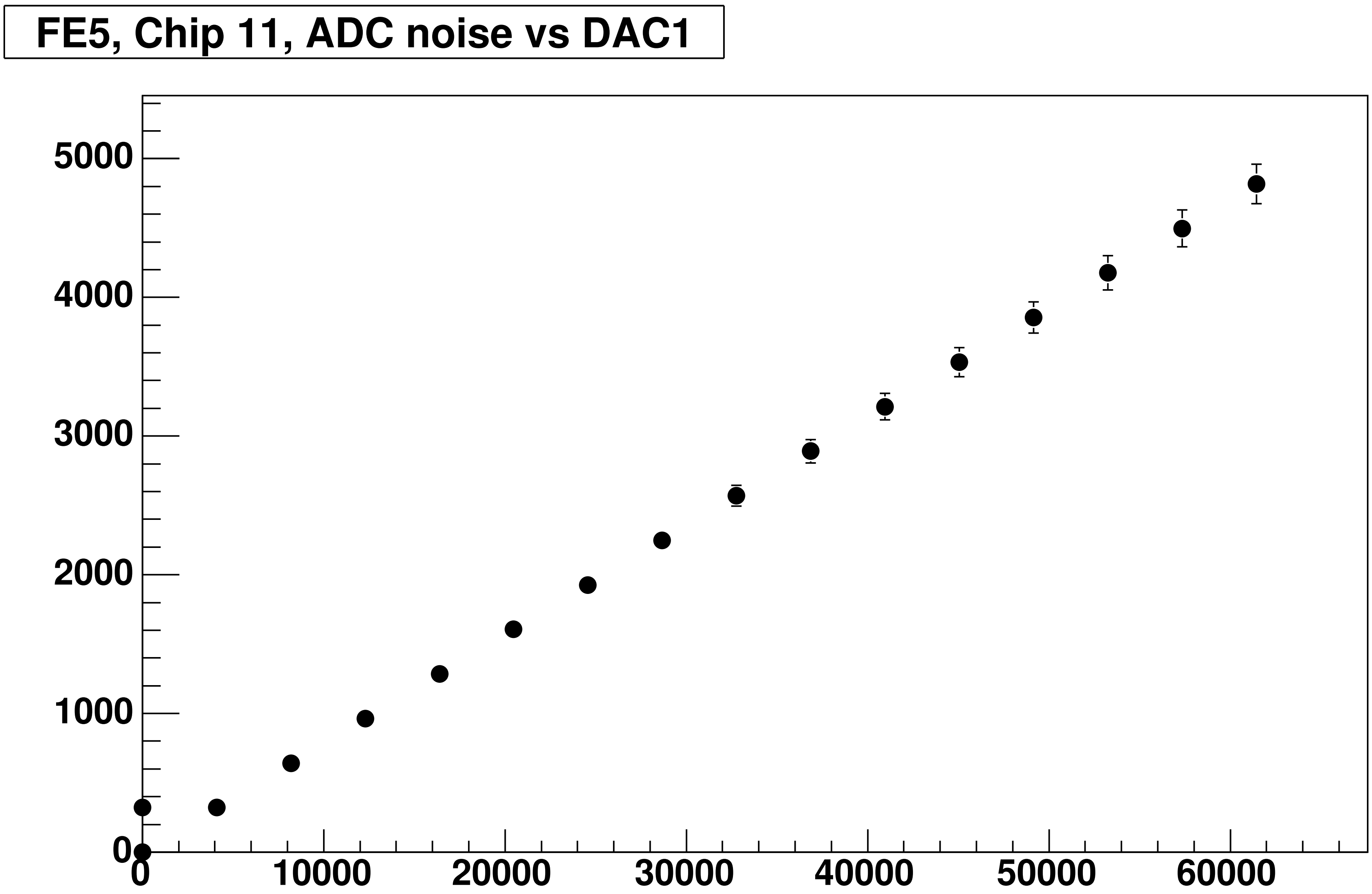

FE5, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1.201e-05 / 11
p0 85.01 ± 41.88
p1 0.01407 ± 0.001888
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000


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

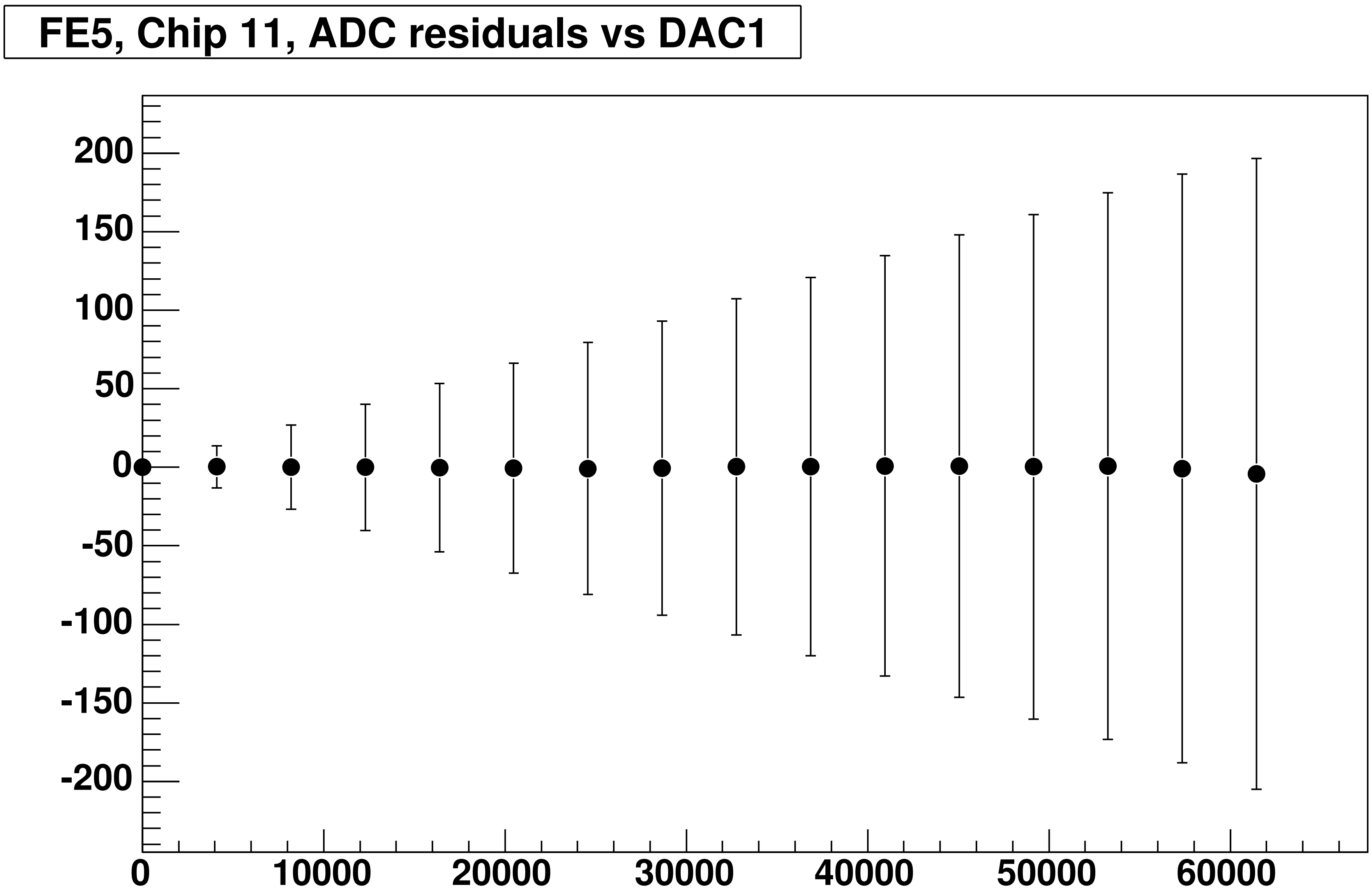

FE5, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

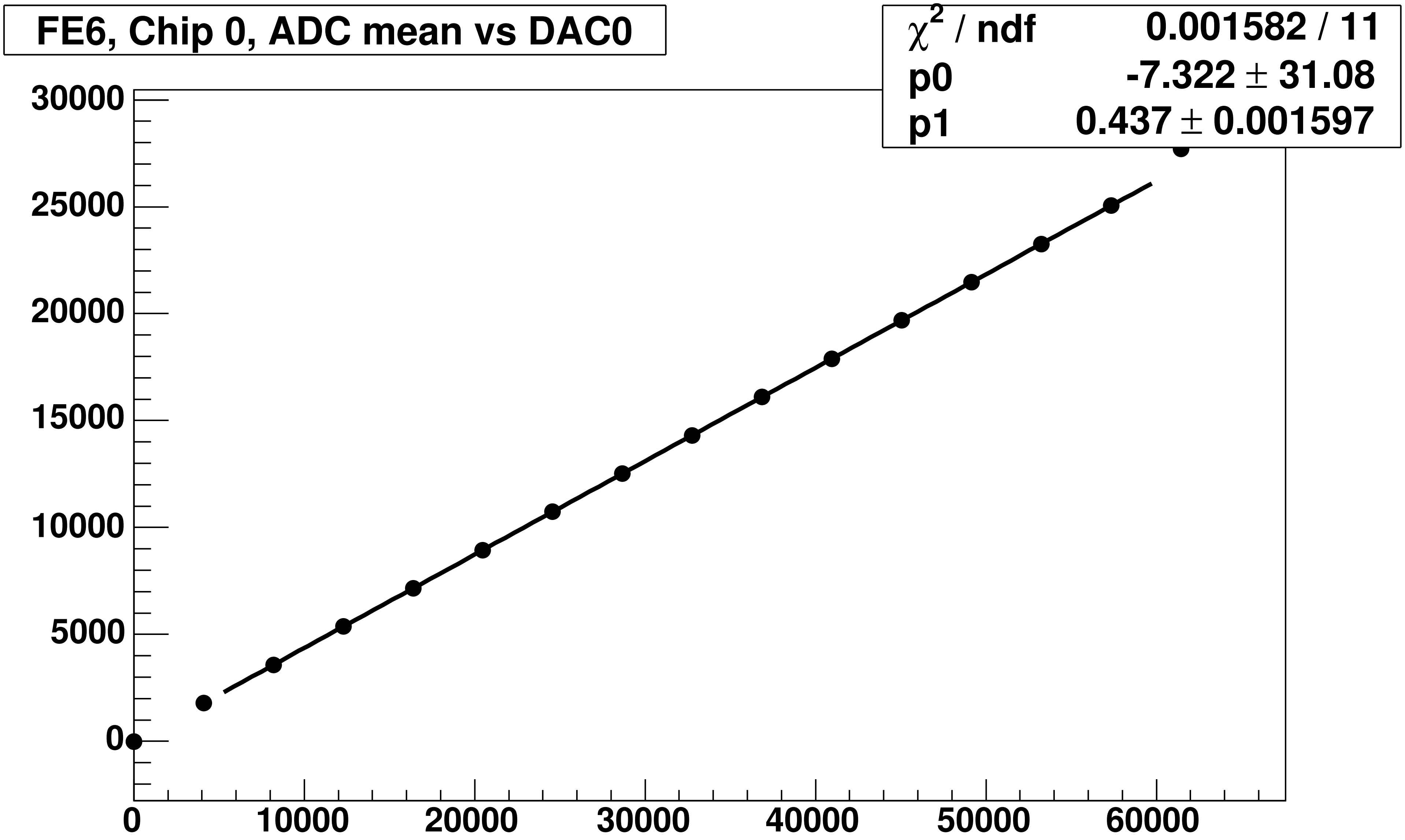


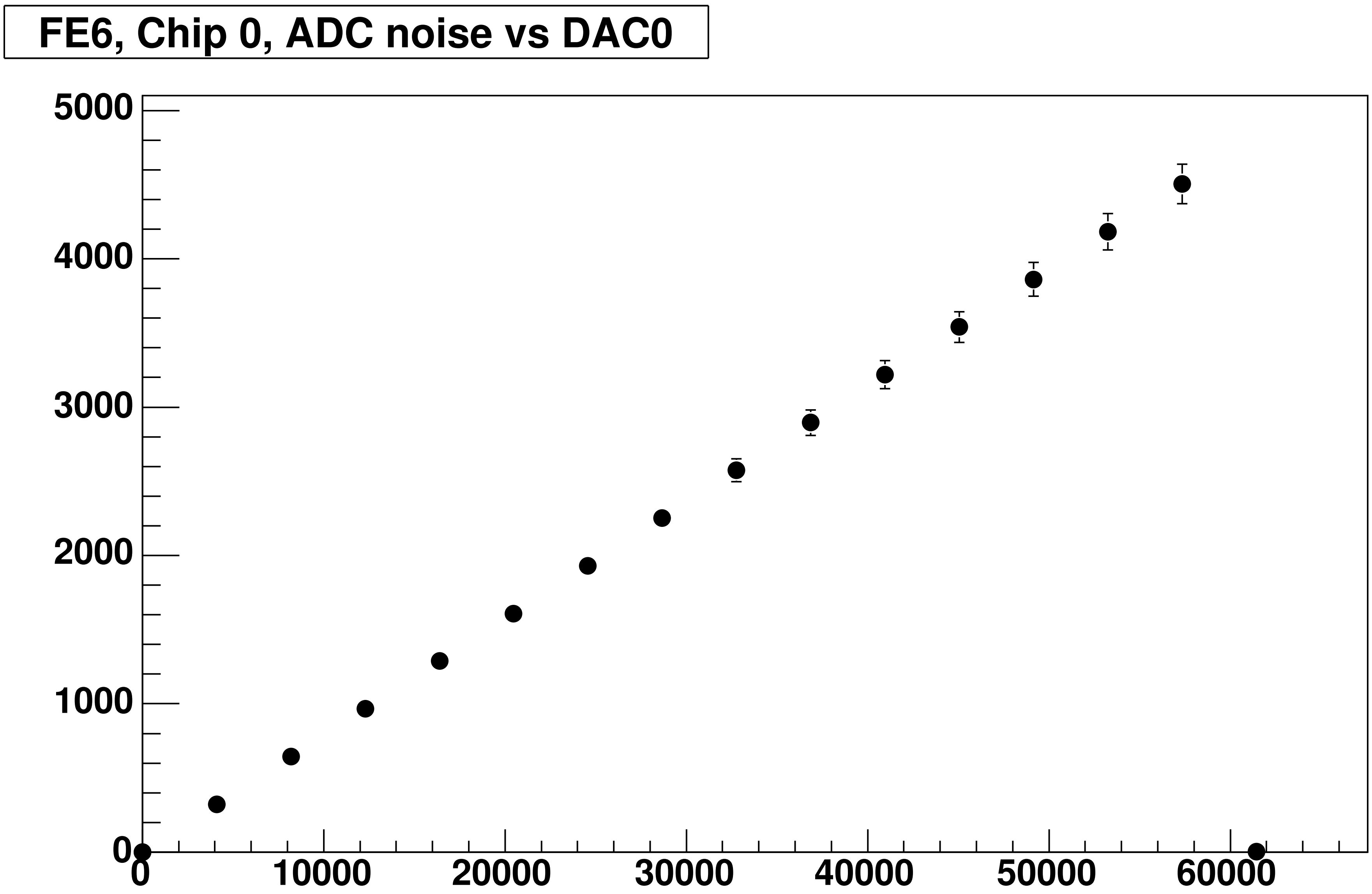
FE5, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.000369 / 11
p0 26.52 ± 31.03
p1 0.4363 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

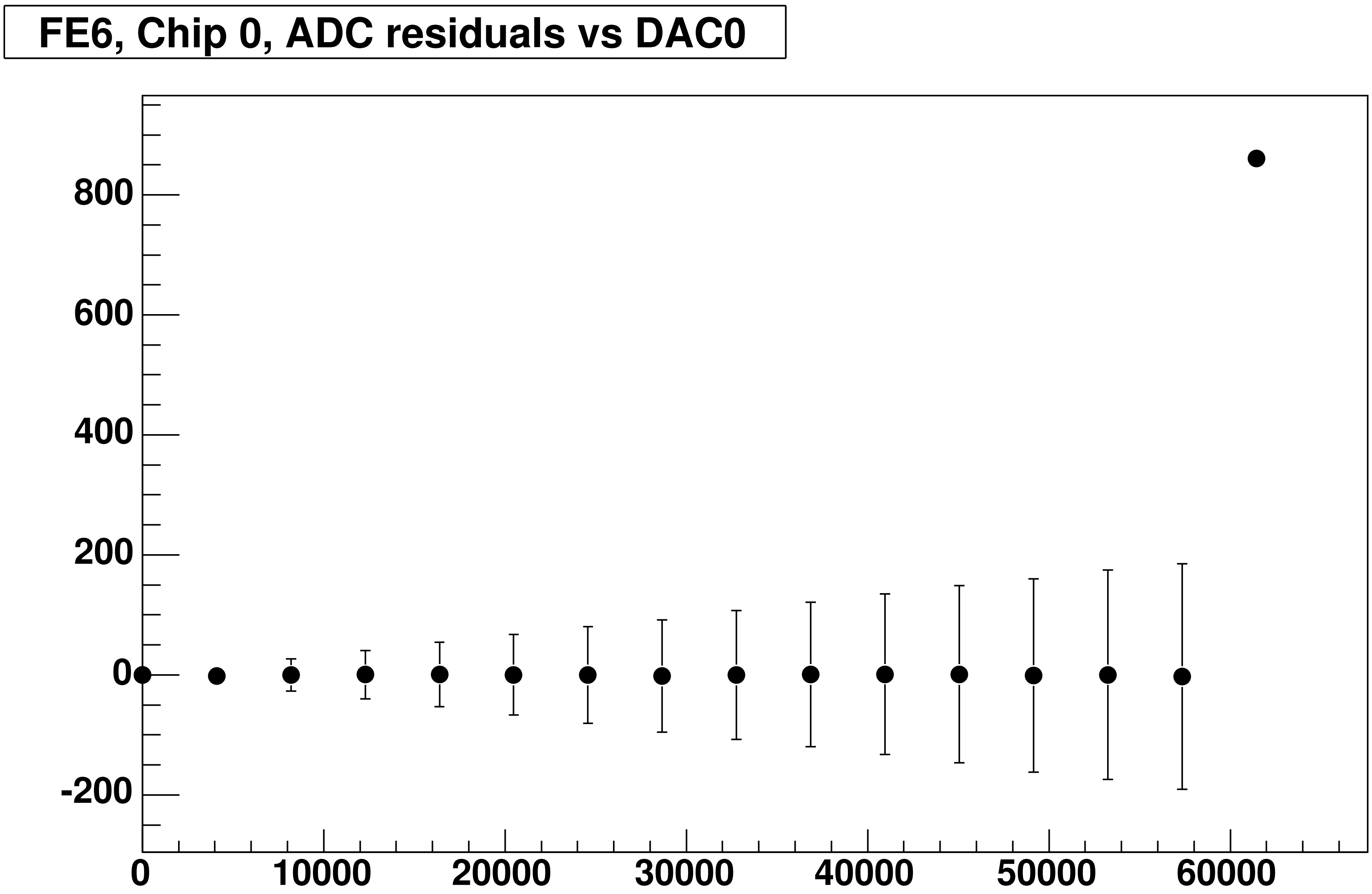


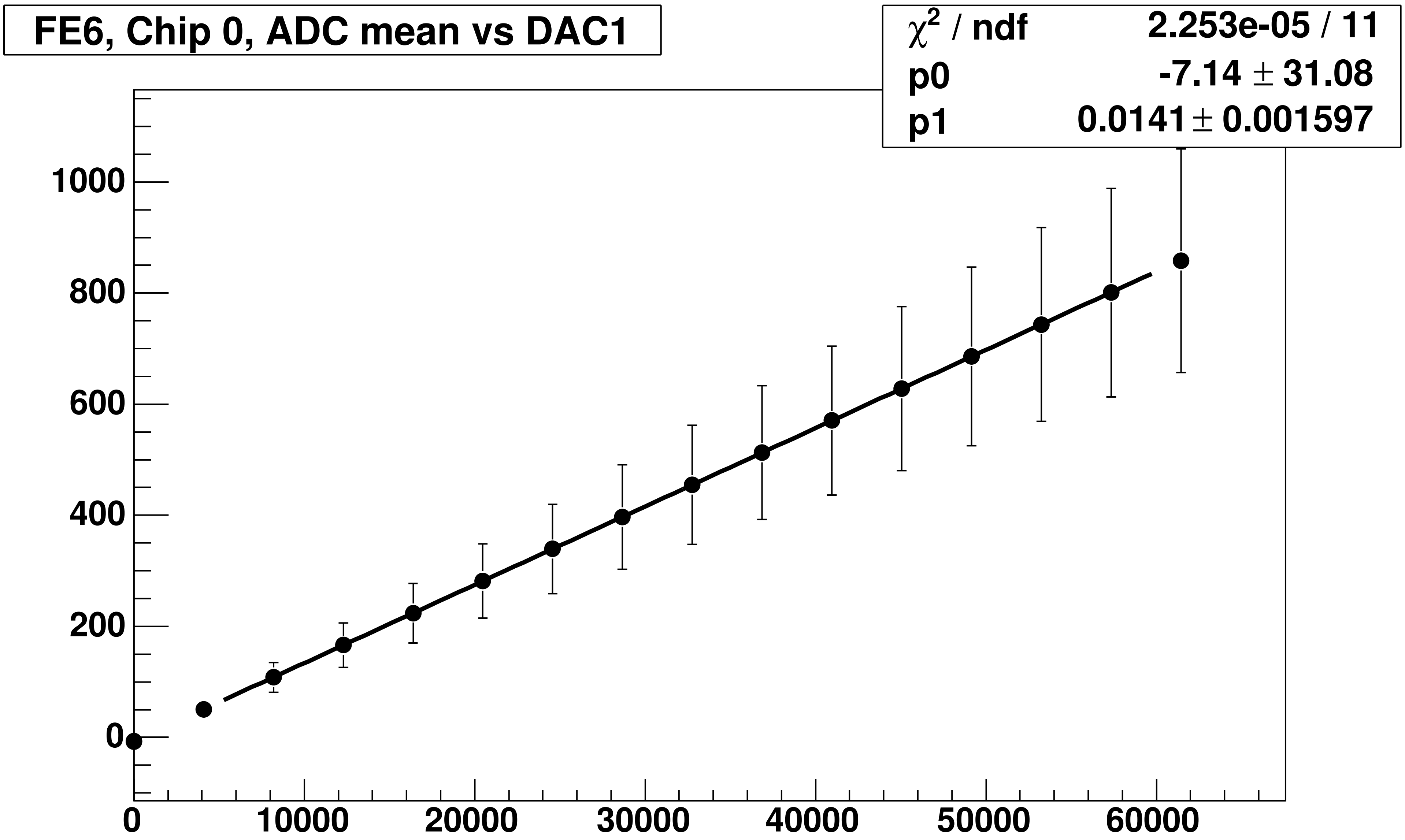
FE5, Chip 11, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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
χ² / ndf 0.001582 / 11
p0 -7.322 ± 31.08
p1 0.437 ± 0.001597
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000


FE6, Chip 0, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
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
χ^2 / ndf 2.253e-05 / 11
p0 -7.14 ± 31.08
p1 0.0141 ± 0.001597
0
200
400
600
800
1000
0
10000
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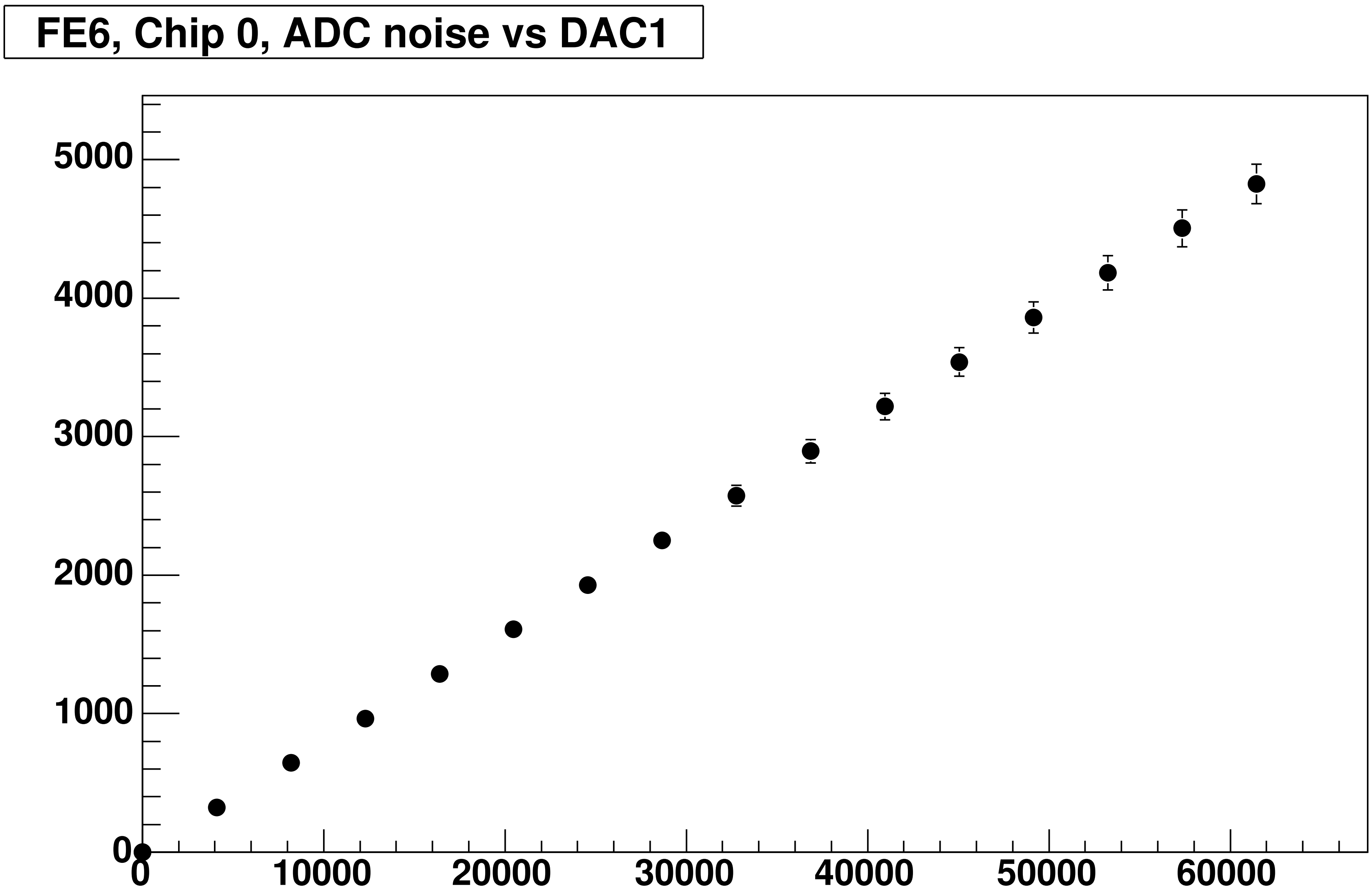
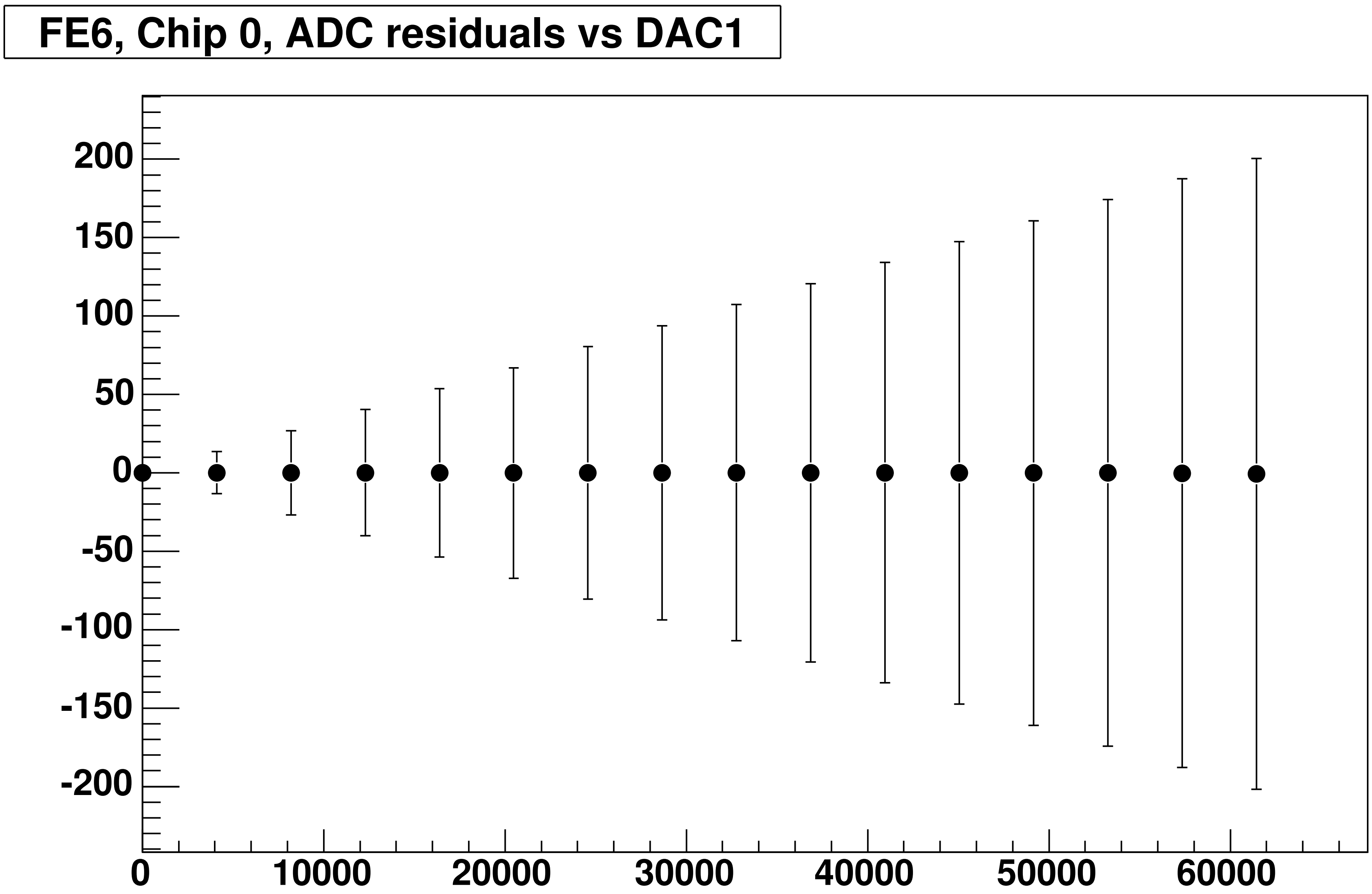
30000
40000
50000
60000



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
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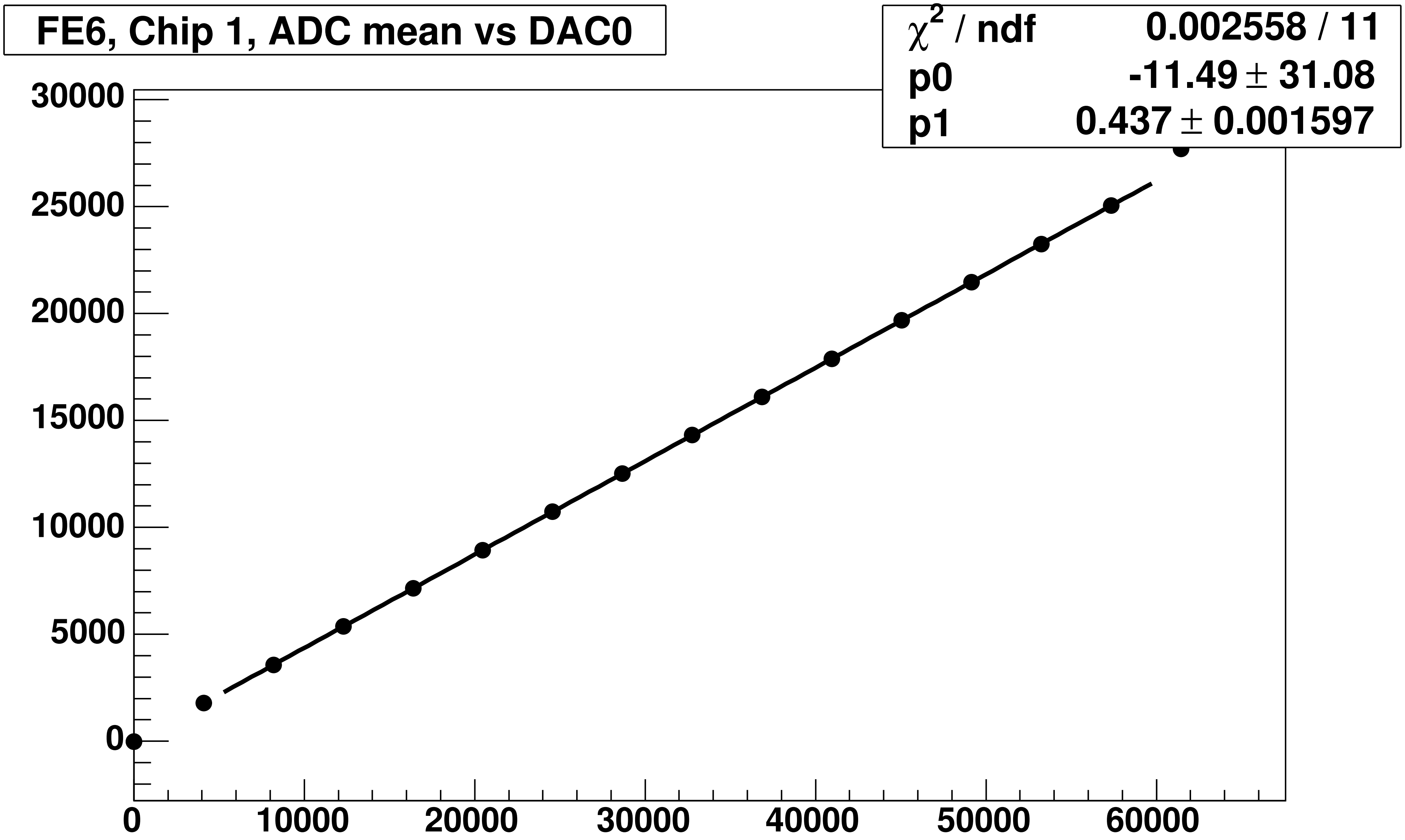
40000
50000
60000


FE6, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.002558 / 11
p0 -11.49 ± 31.08
p1 0.437 ± 0.001597
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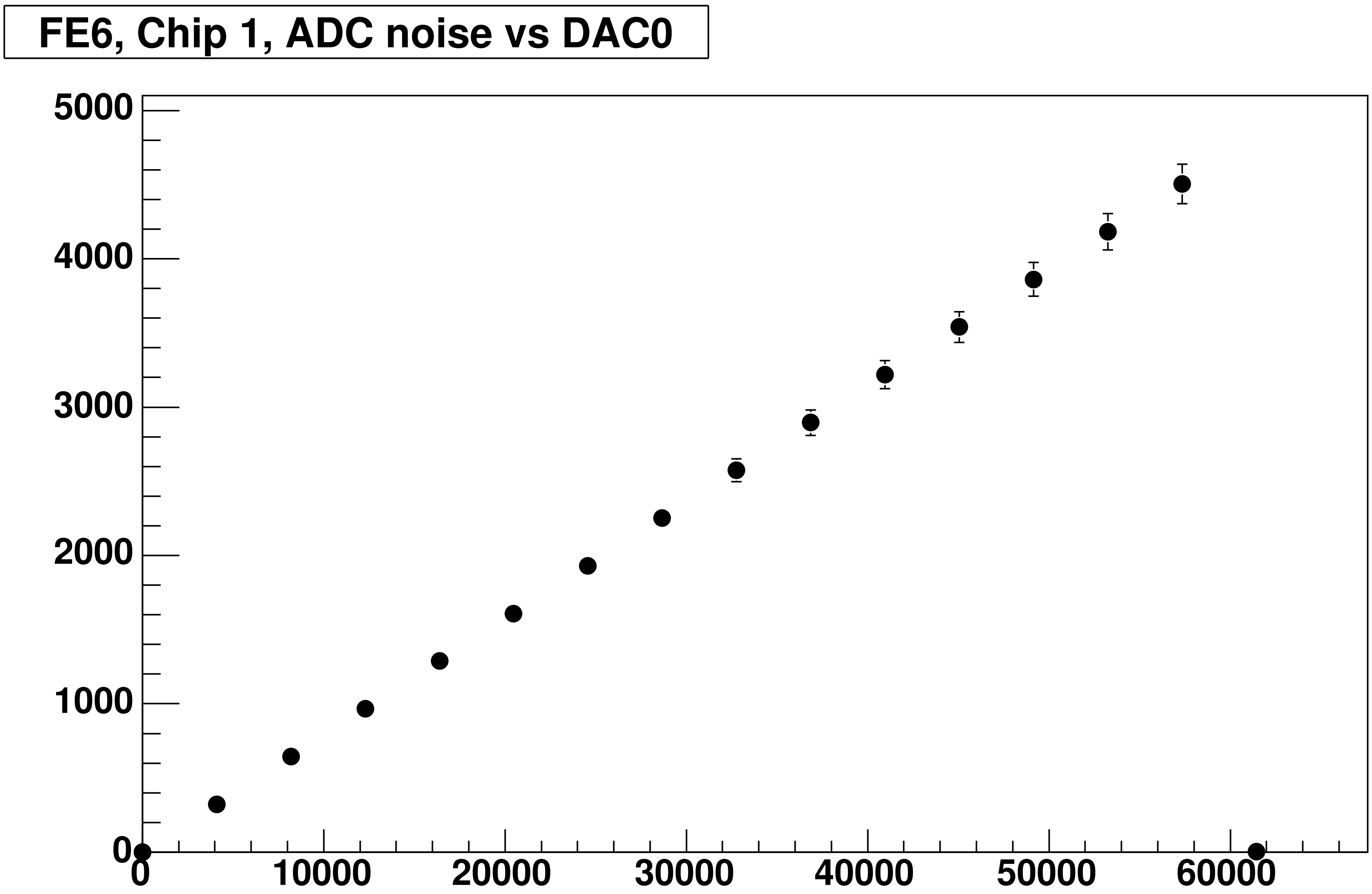
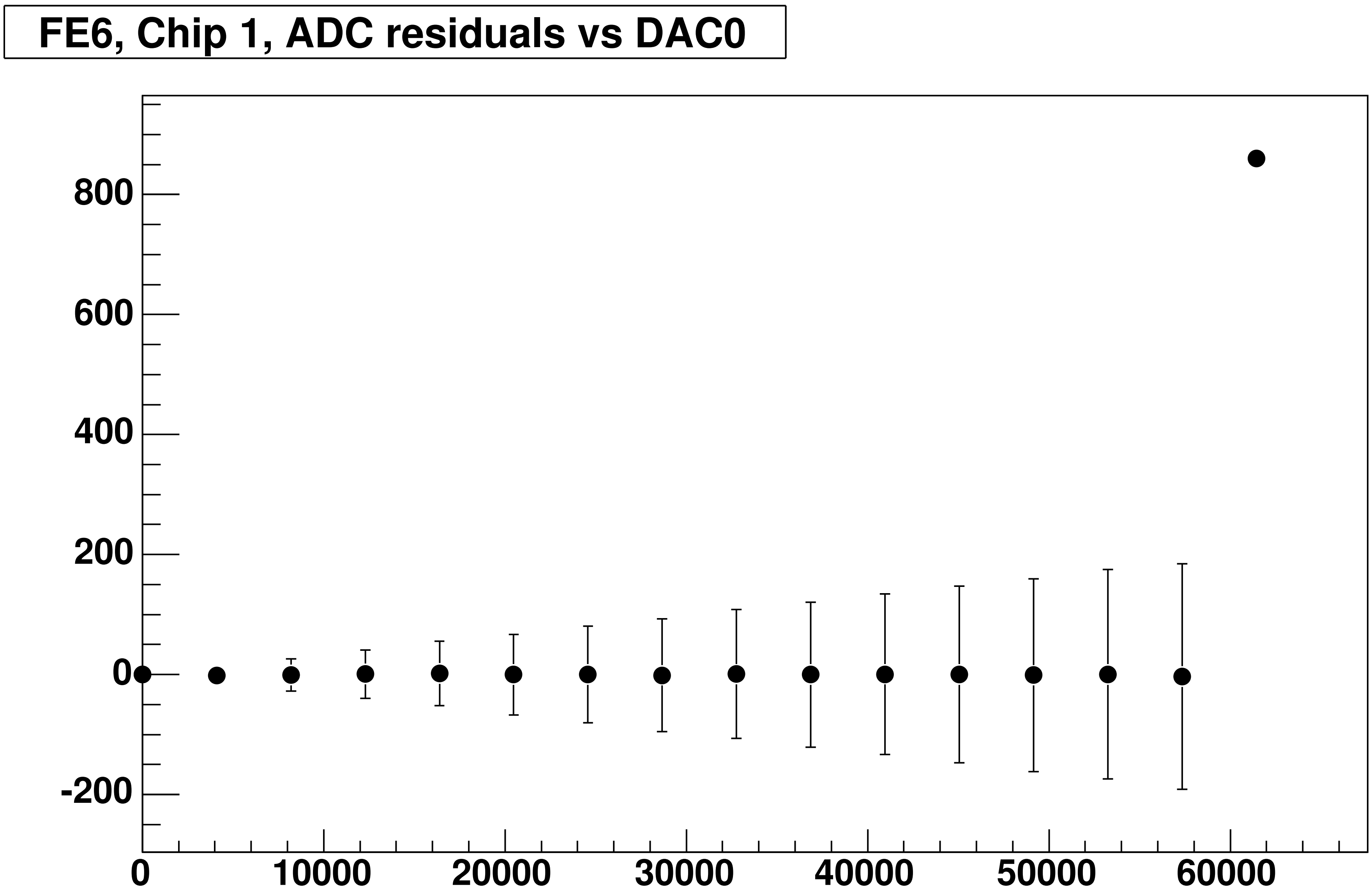
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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


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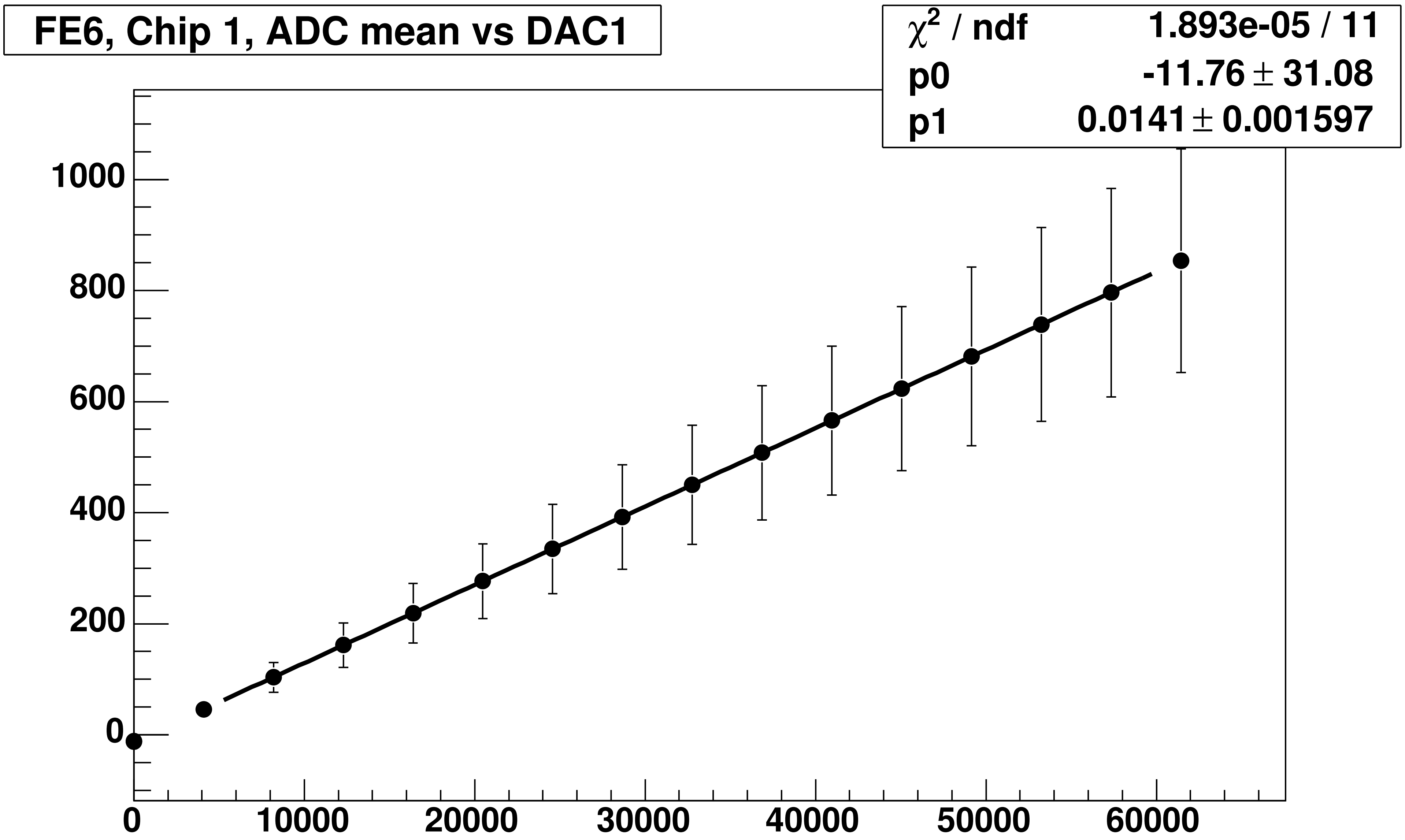
40000
50000
60000


FE6, Chip 1, ADC mean vs DAC1
χ^2 / ndf 1.893e-05 / 11
p0 -11.76 ± 31.08
p1 0.0141 ± 0.001597
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400
600
800
1000
0
10000
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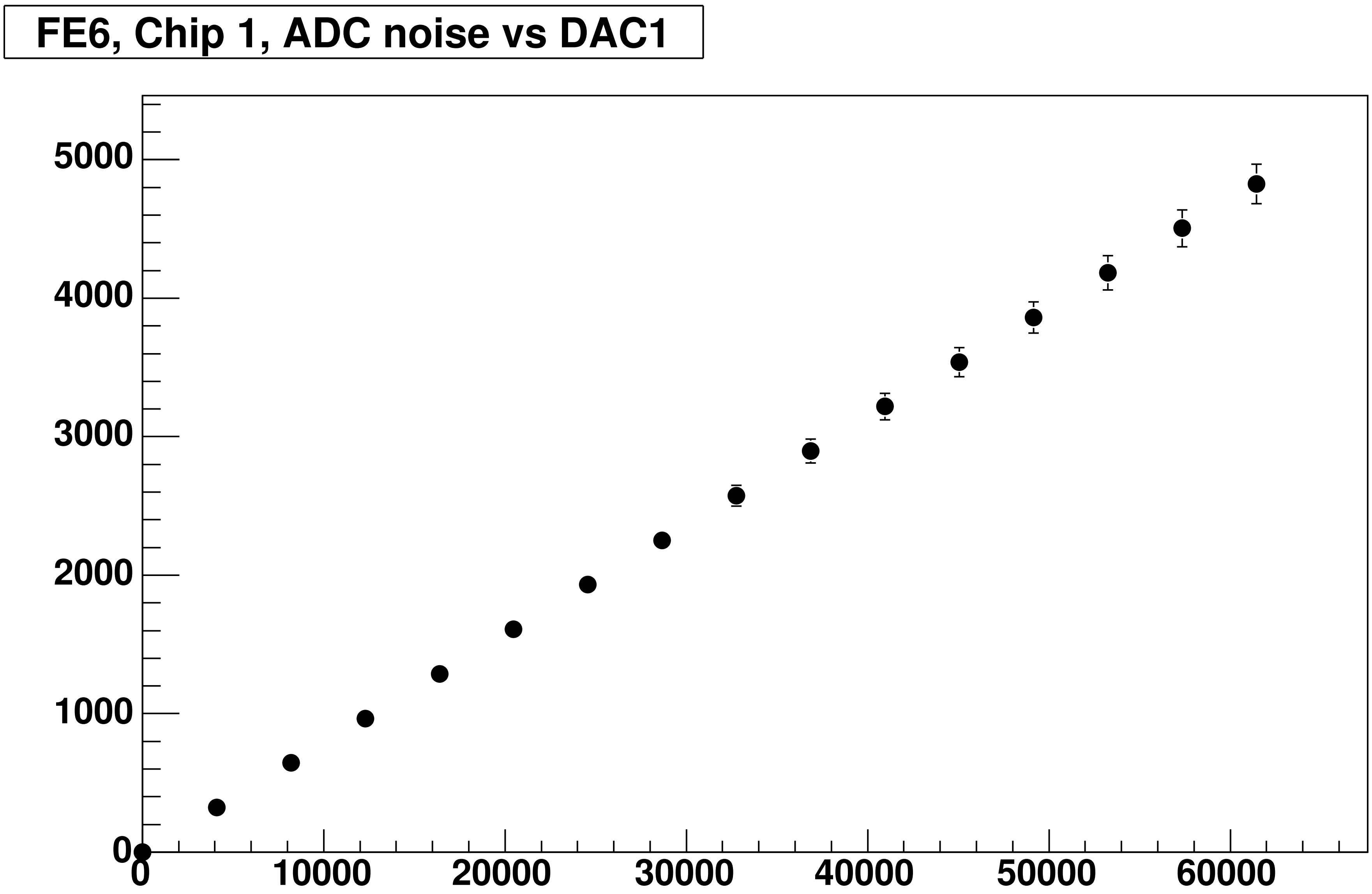
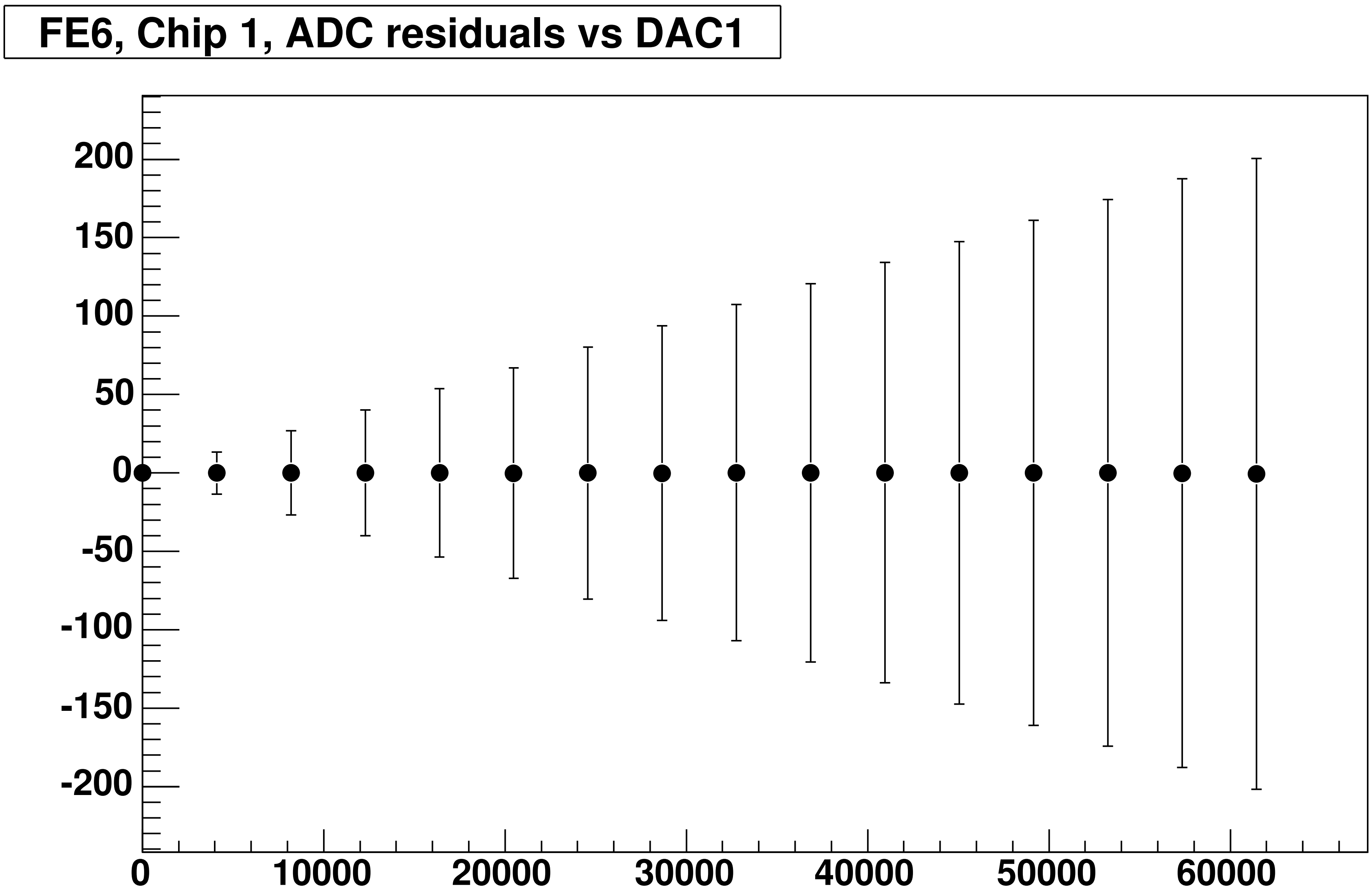
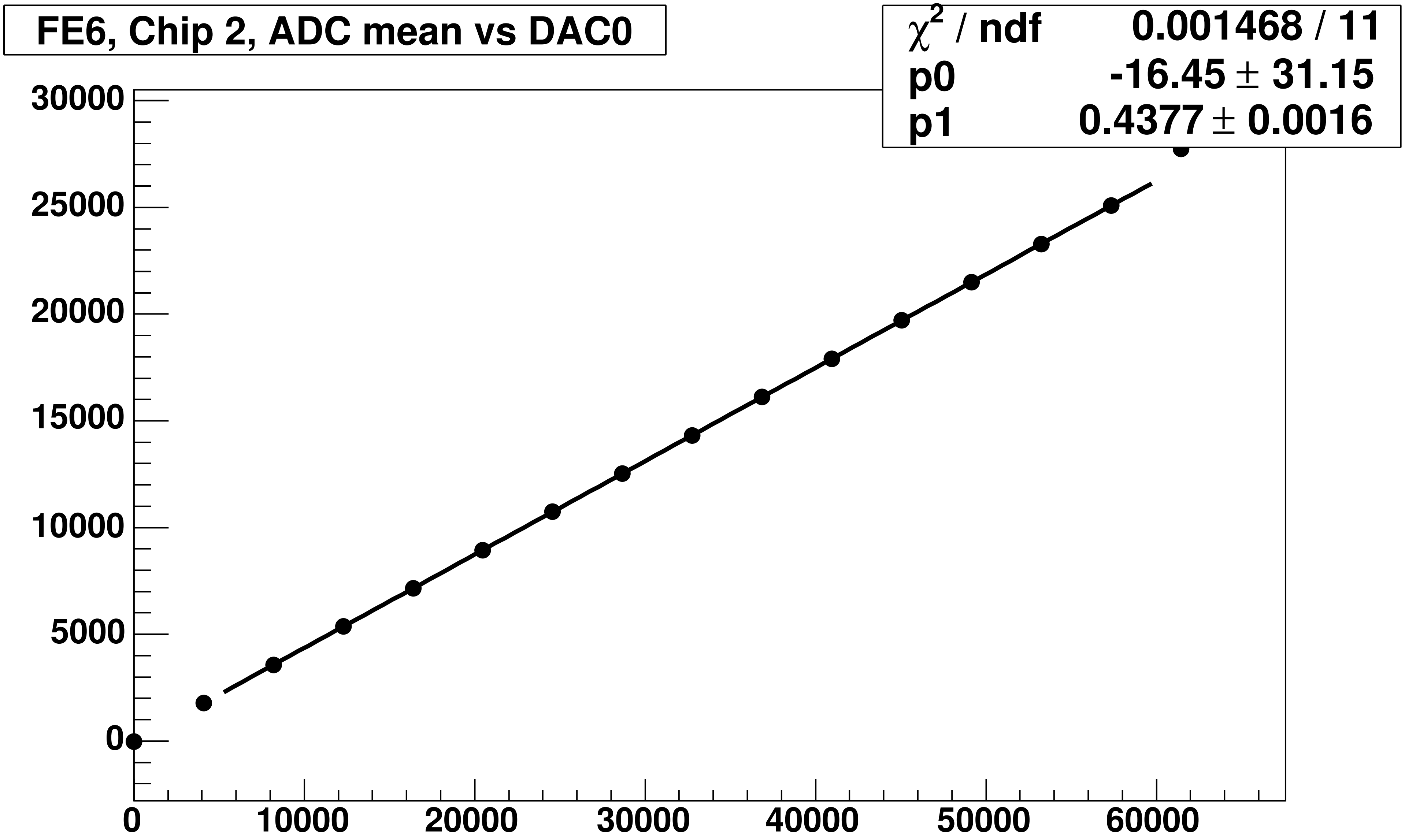
30000
40000
50000
60000



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


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



FE6, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.001468 / 11
p0 -16.45 ± 31.15
p1 0.4377 ± 0.0016
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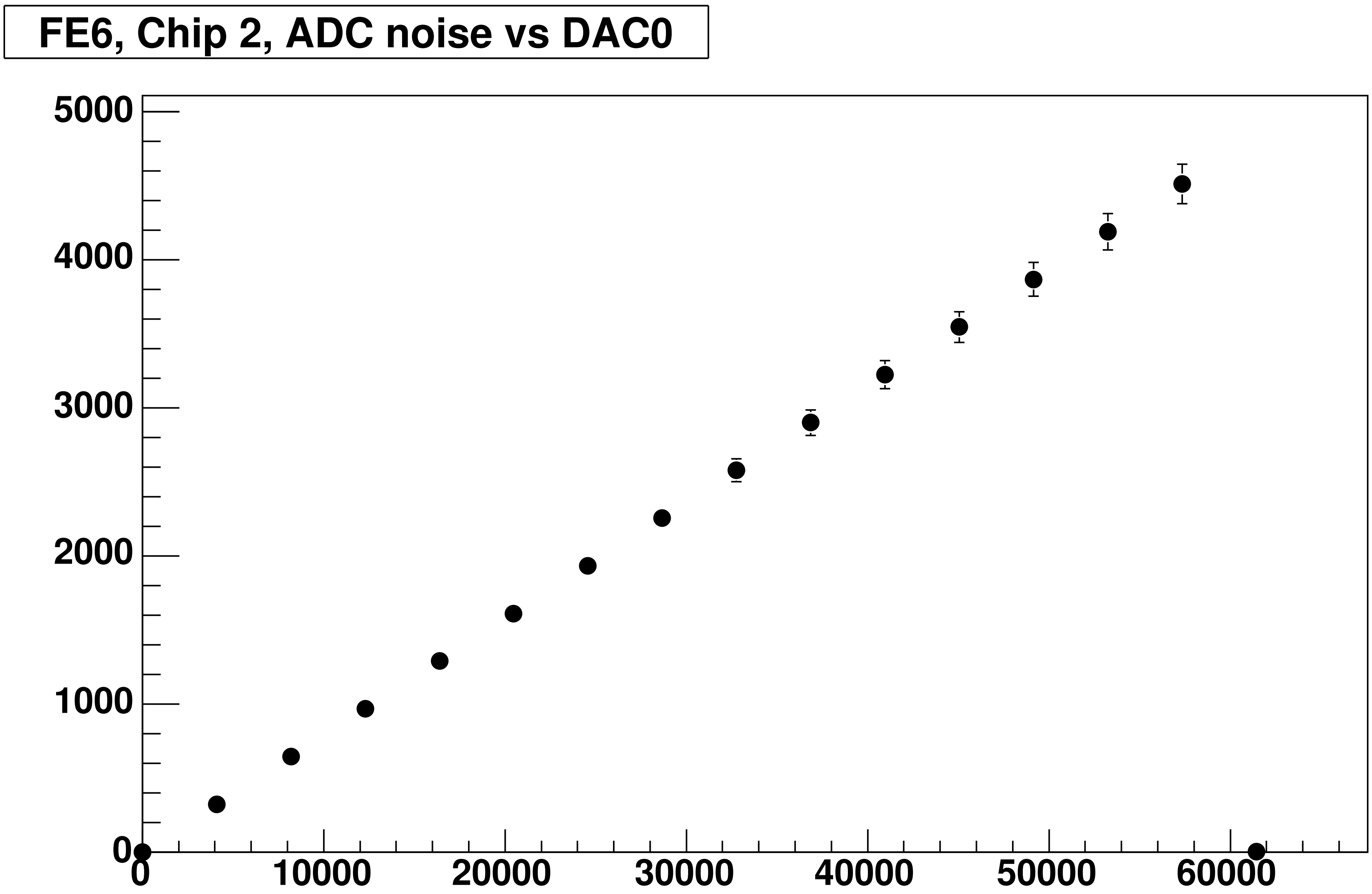
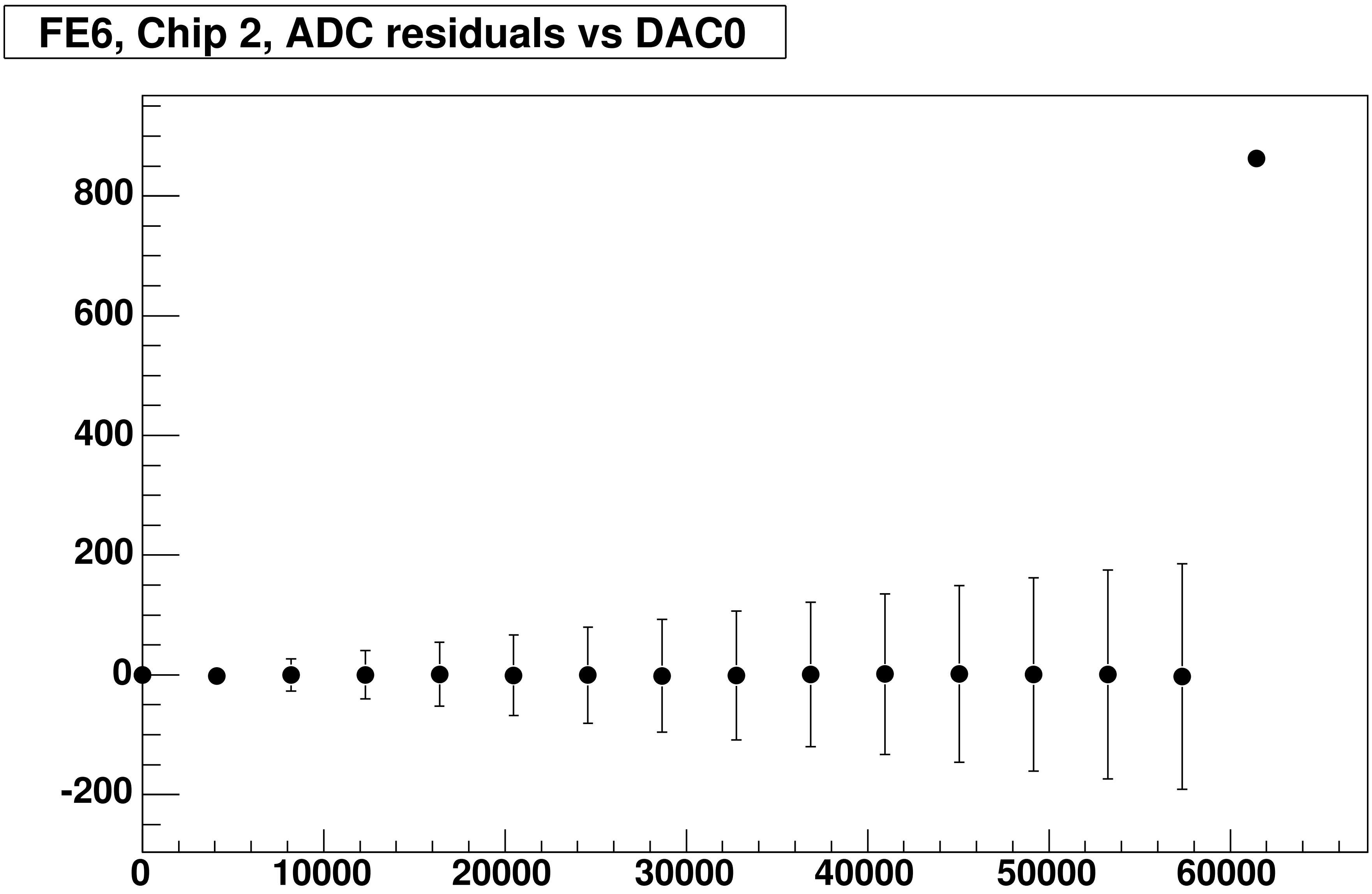
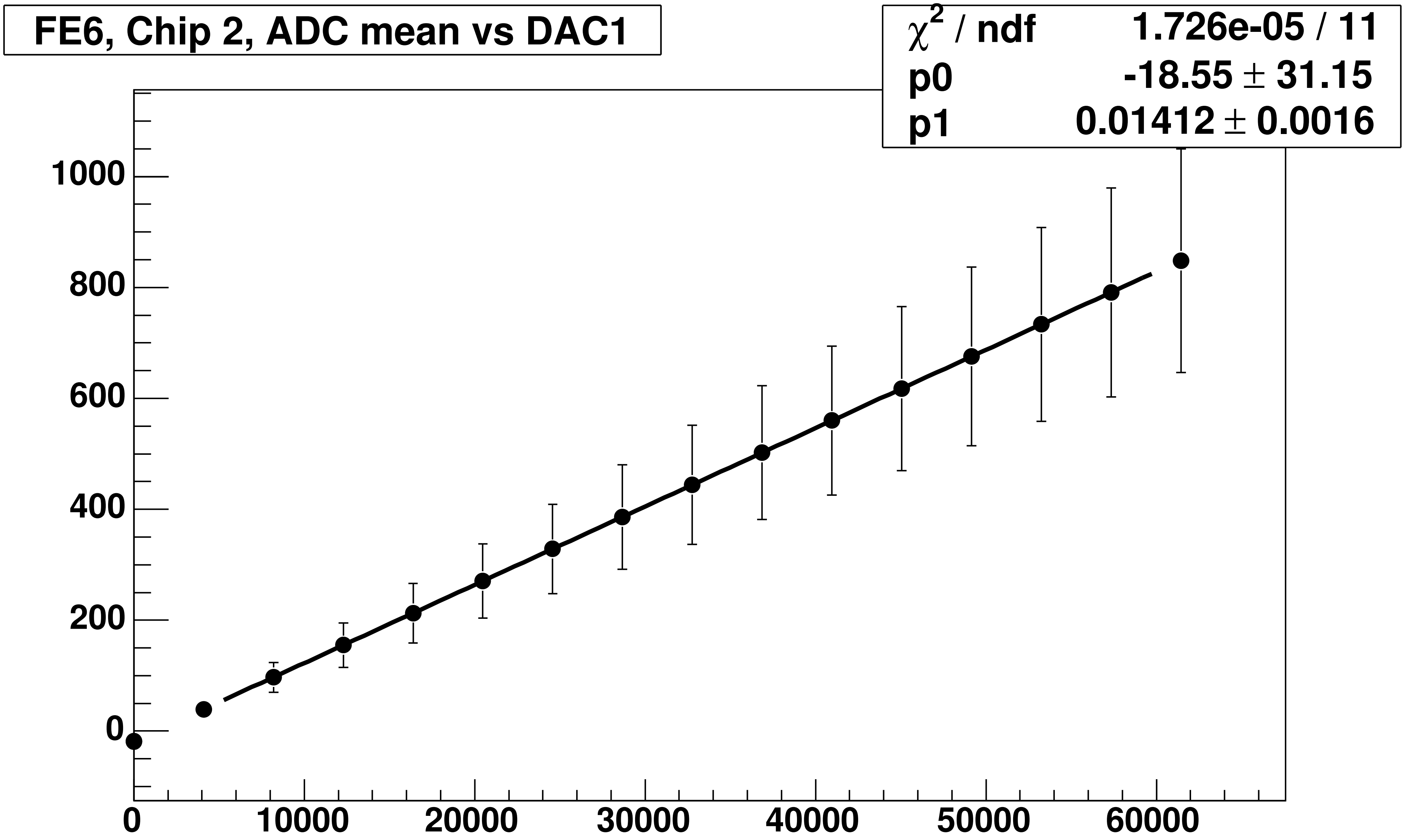
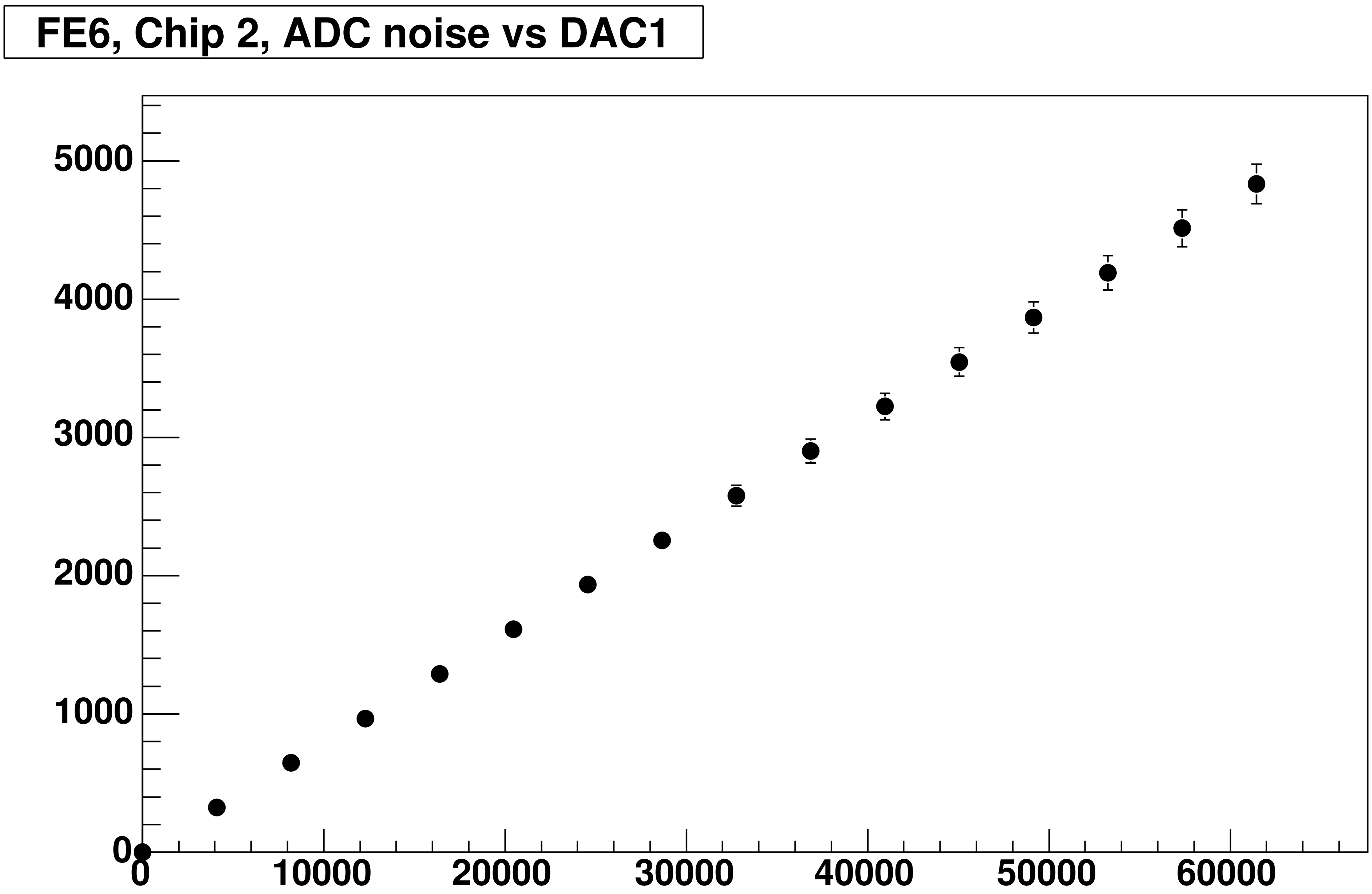
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

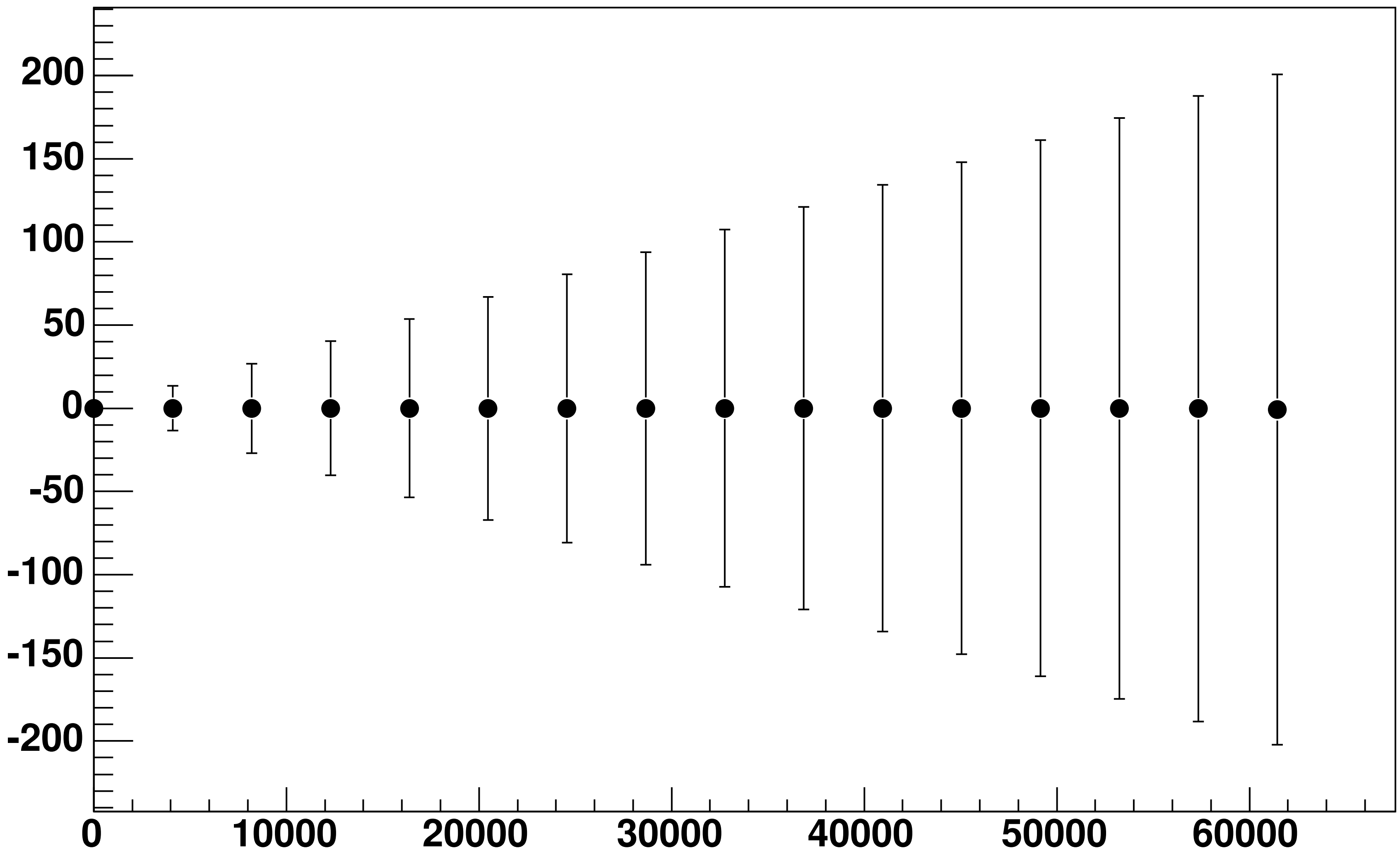

FE6, Chip 2, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

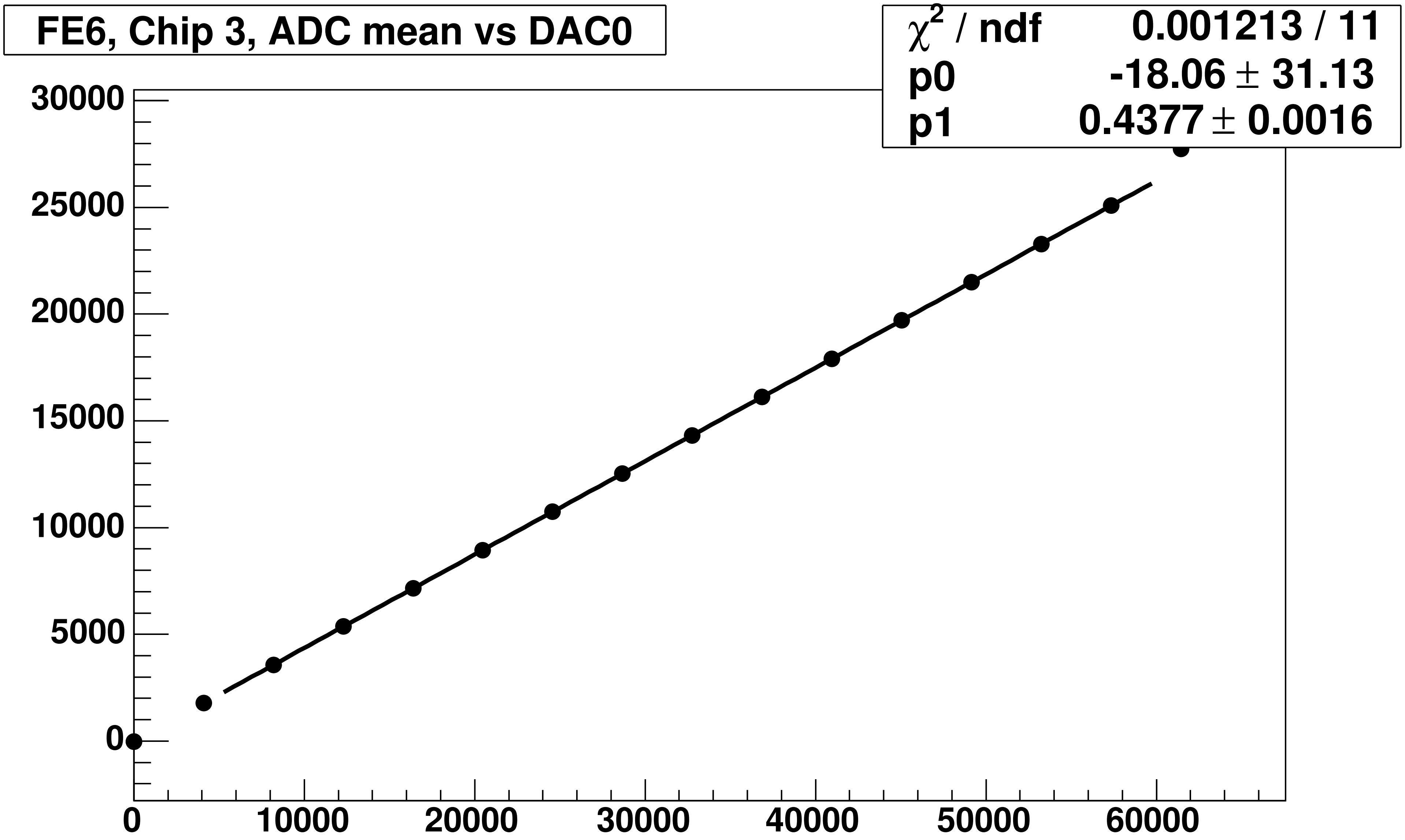

FE6, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

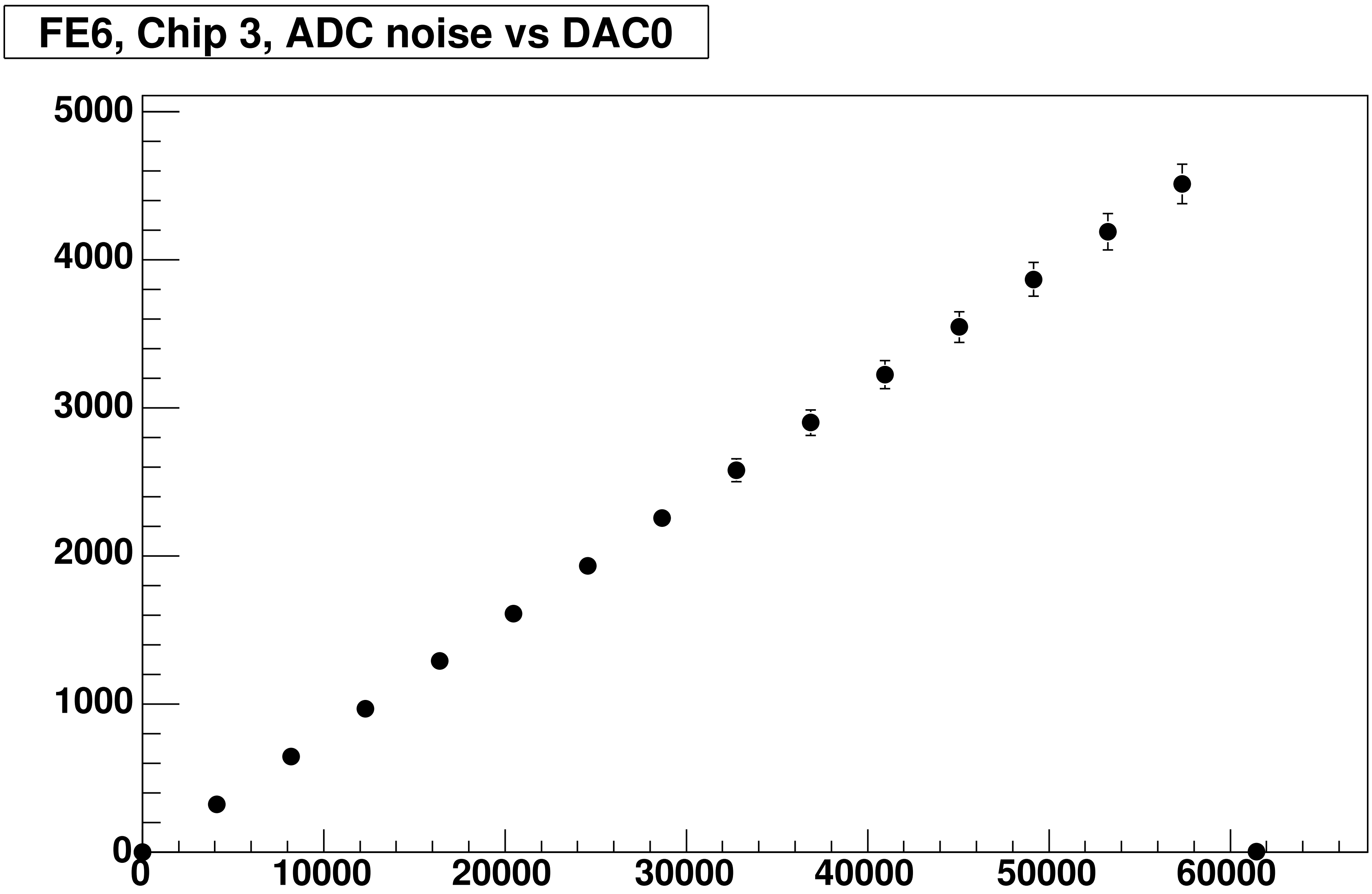

FE6, Chip 2, ADC mean vs DAC1
χ2 / ndf 1.726e-05 / 11
p0 -18.55 ± 31.15
p1 0.01412 ± 0.0016
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

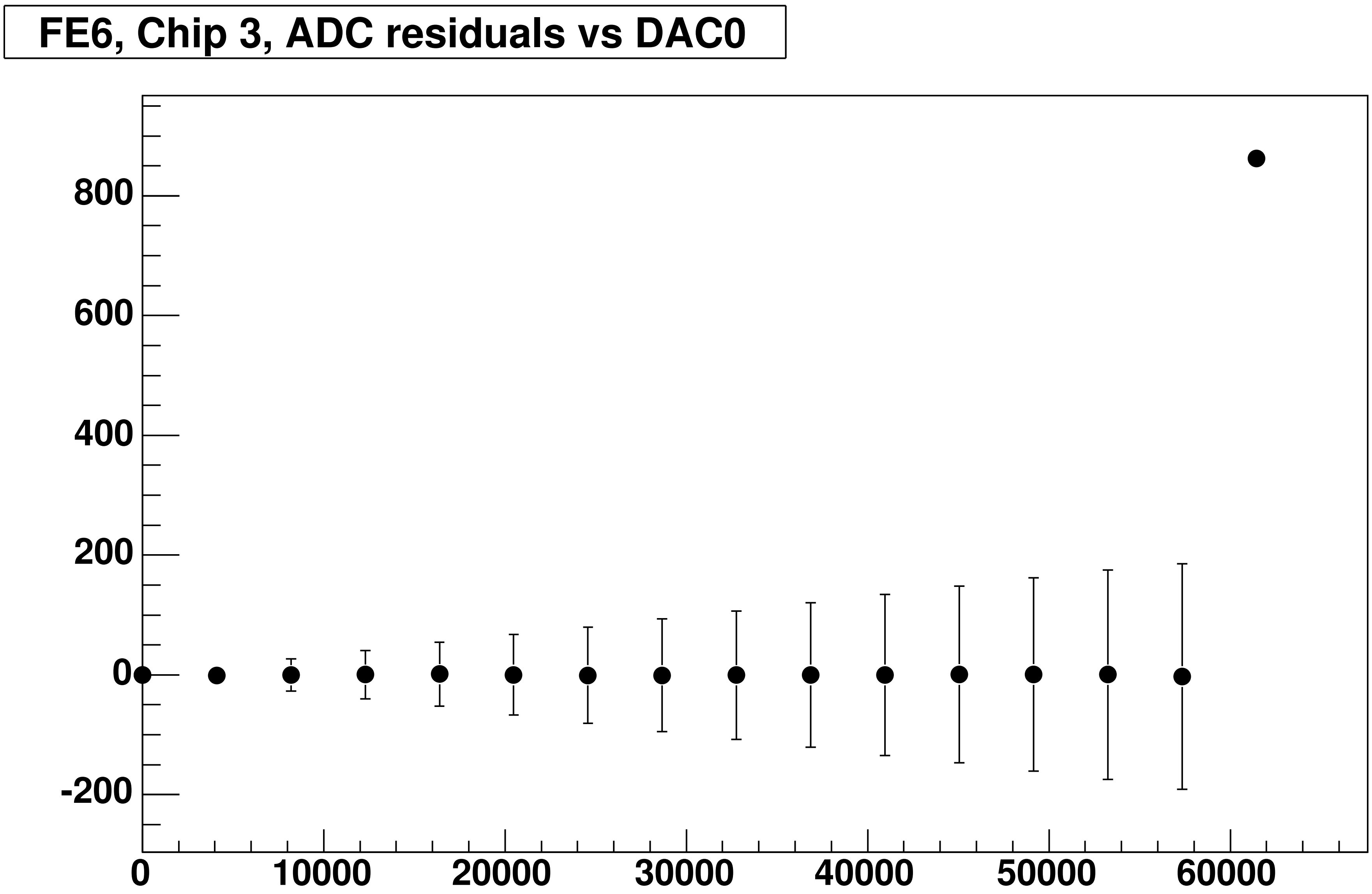

FE6, Chip 2, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

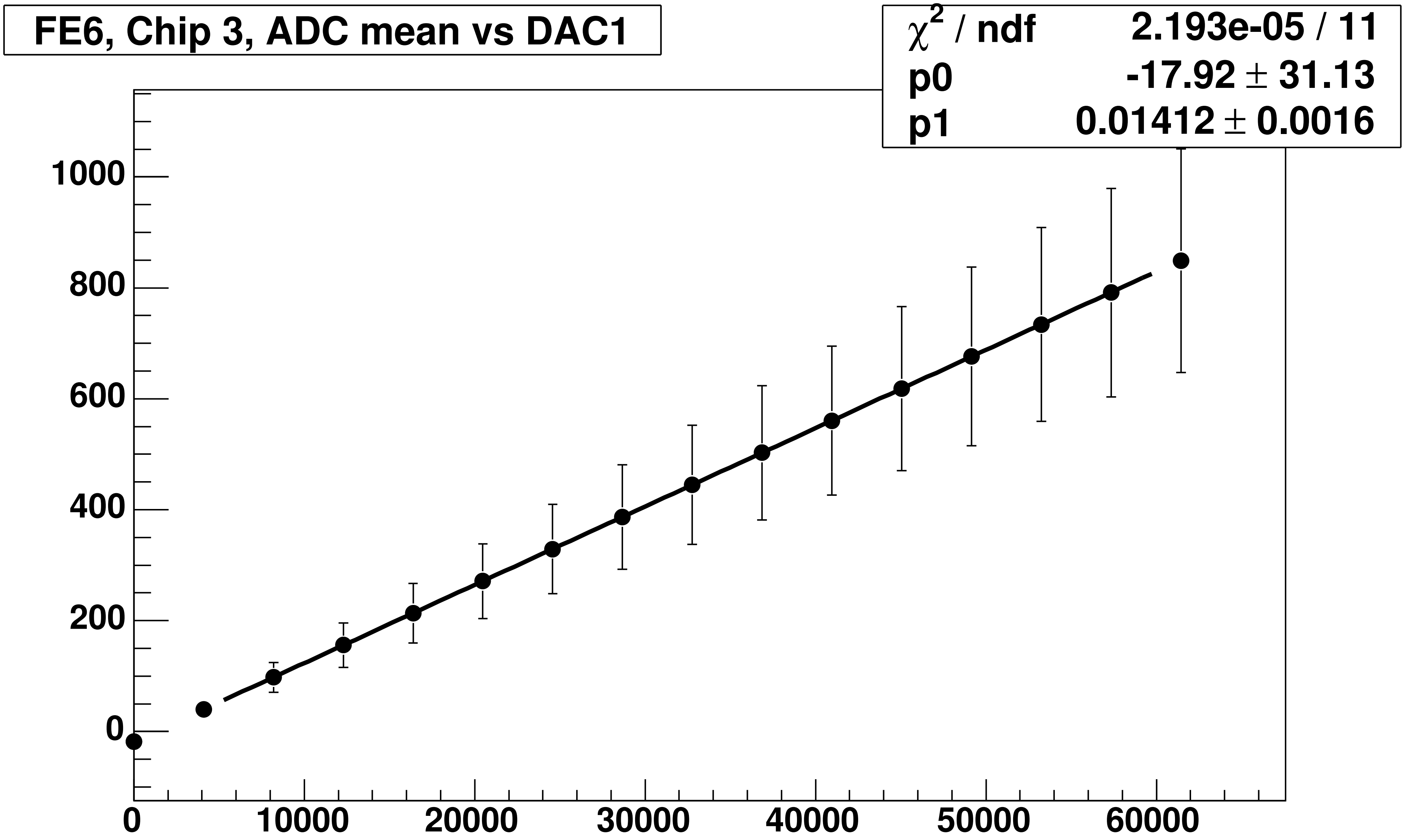
FE6, Chip 2, ADC residuals vs DAC1

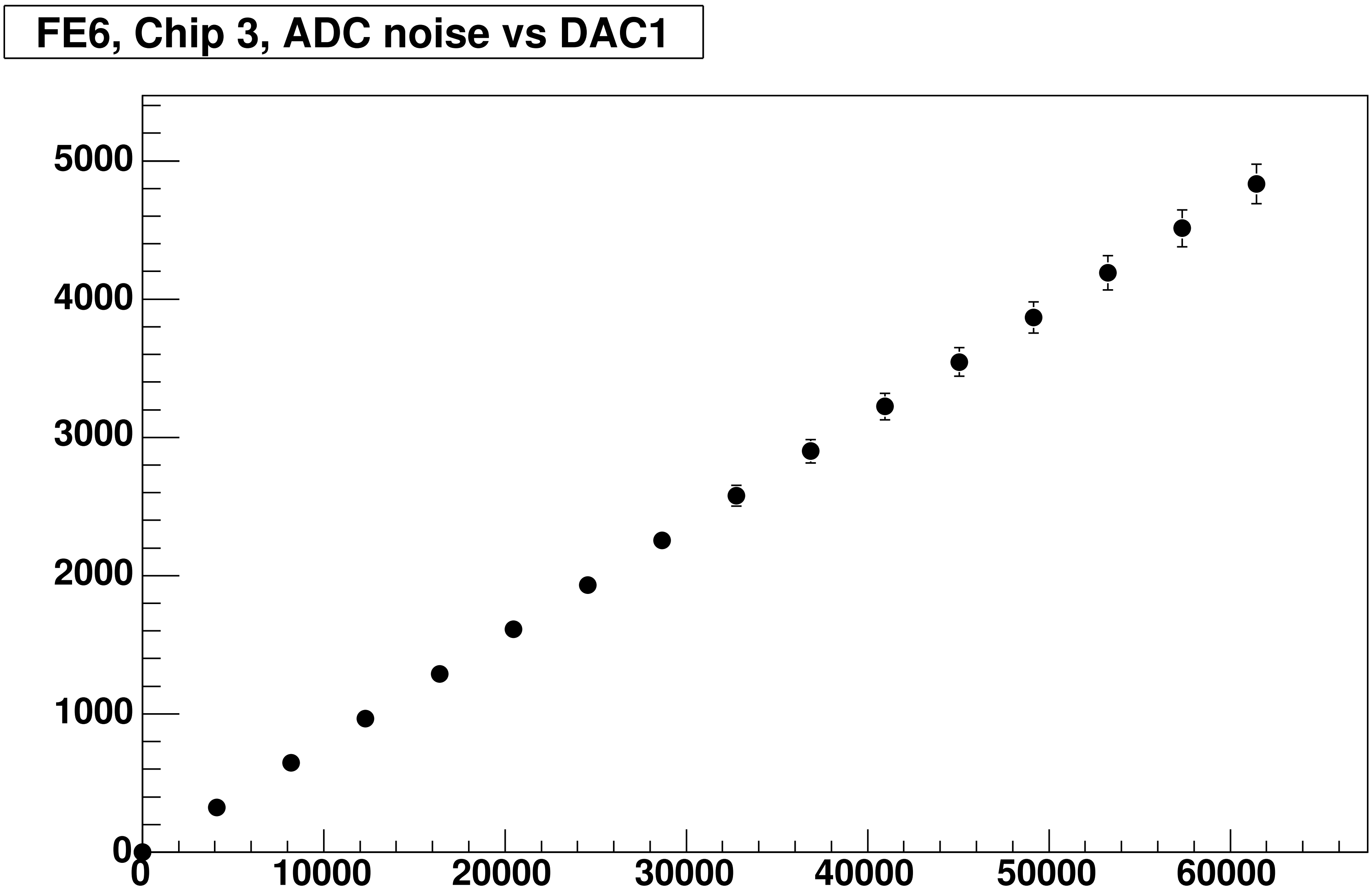


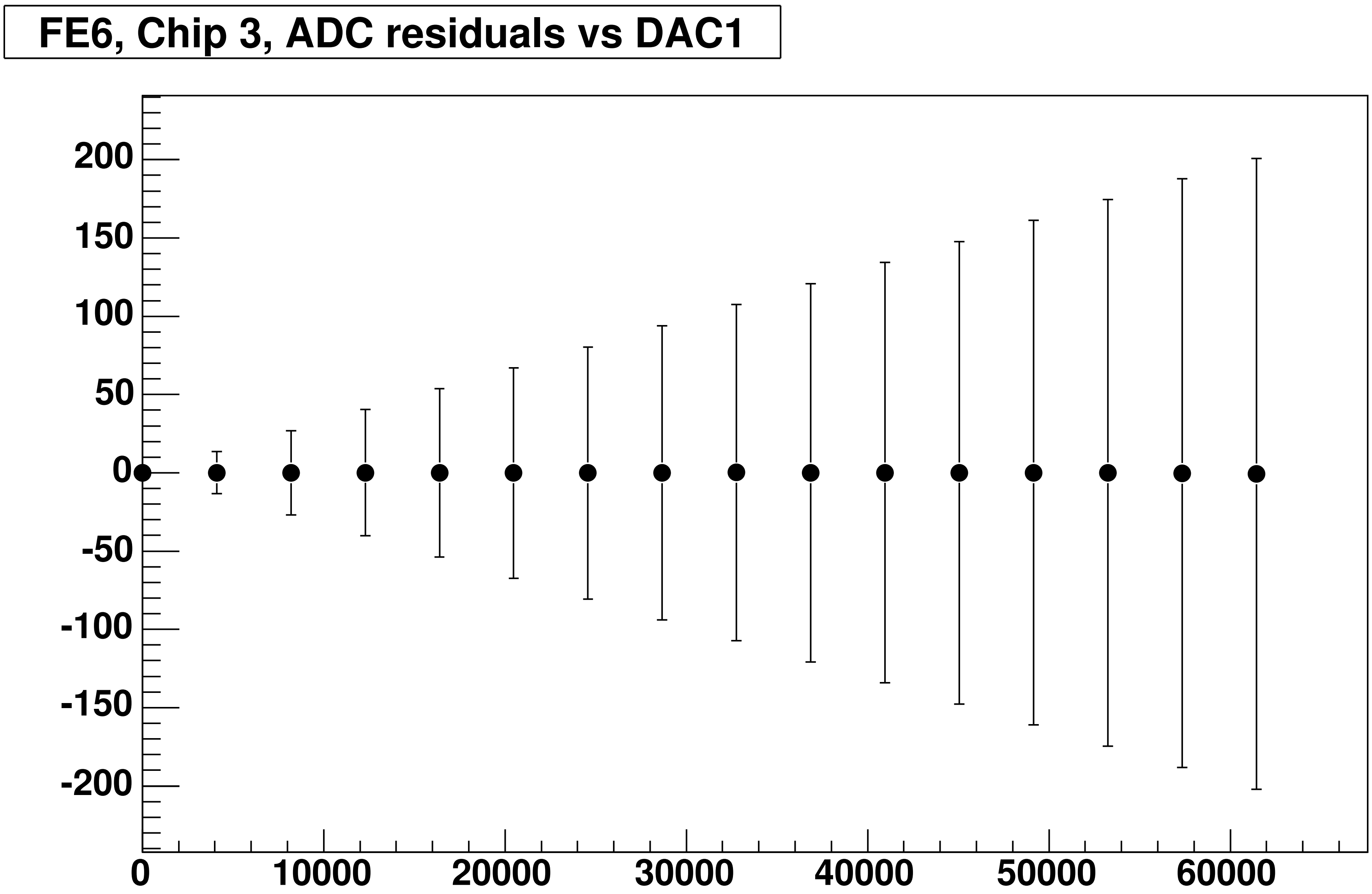

FE6, Chip 3, ADC mean vs DAC0
χ2 / ndf 0.001213 / 11
p0 -18.06 ± 31.13
p1 0.4377 ± 0.0016
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

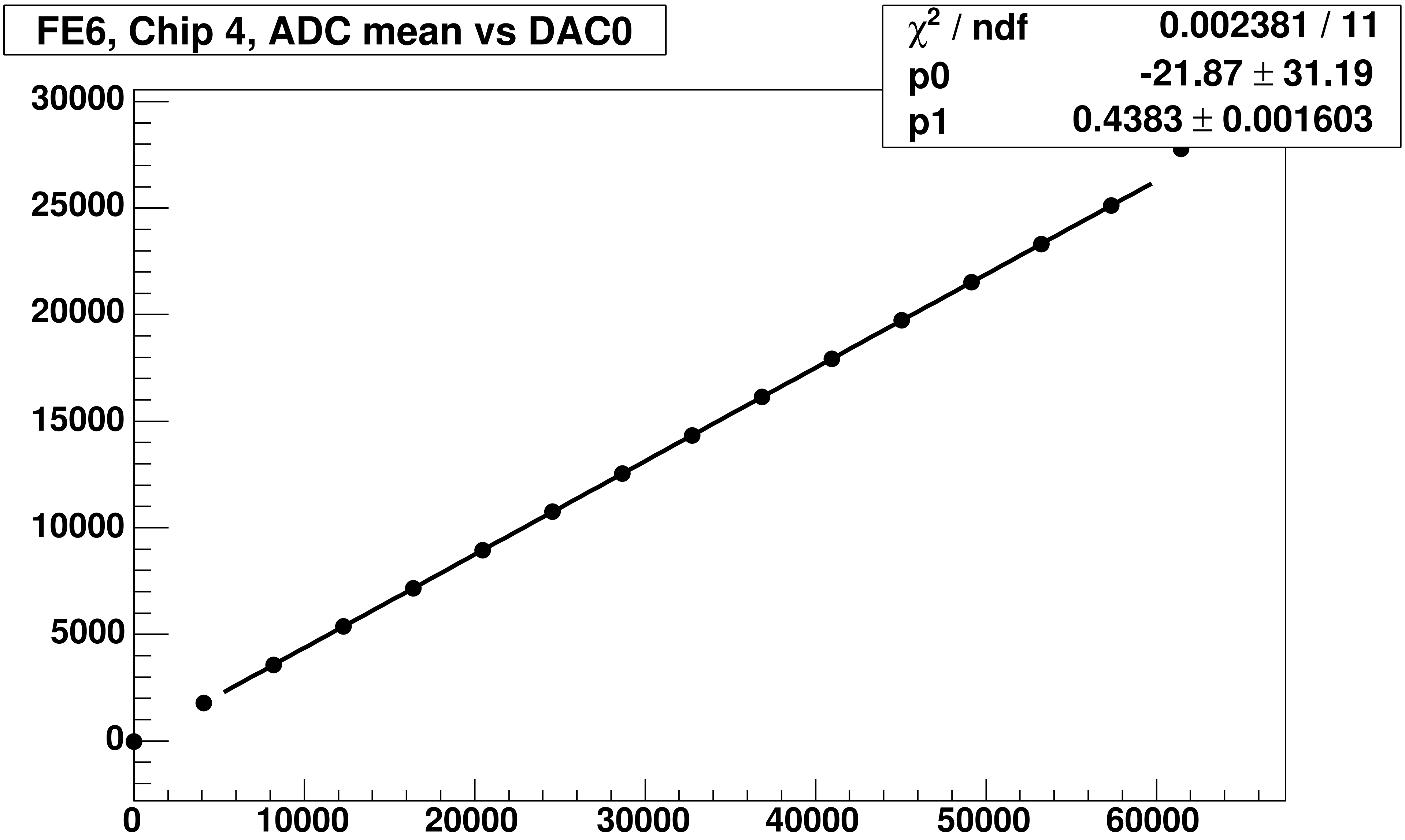

FE6, Chip 3, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

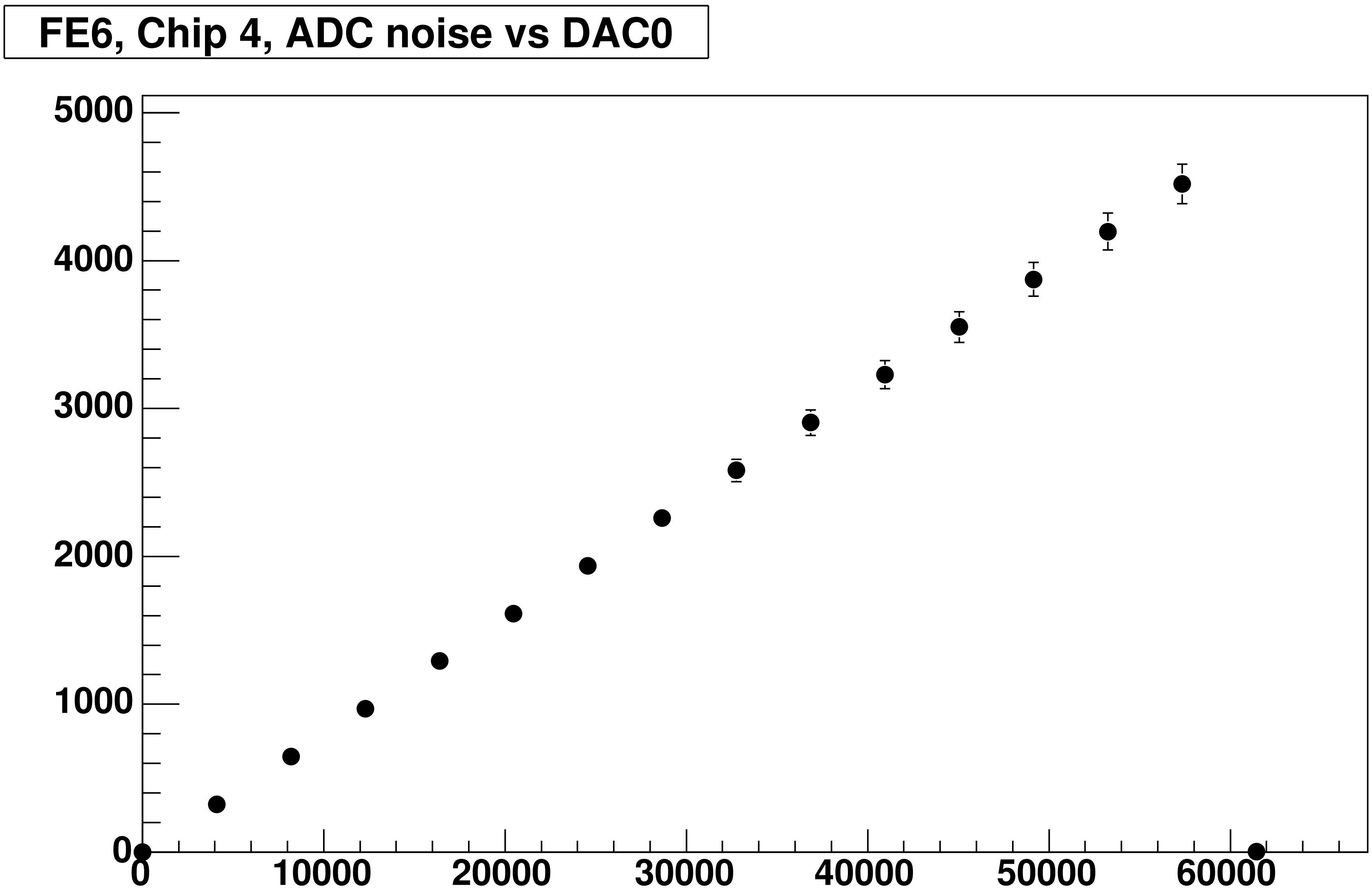

FE6, Chip 3, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 3, ADC mean vs DAC1
χ2 / ndf 2.193e-05 / 11
p0 -17.92 ± 31.13
p1 0.01412 ± 0.0016
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

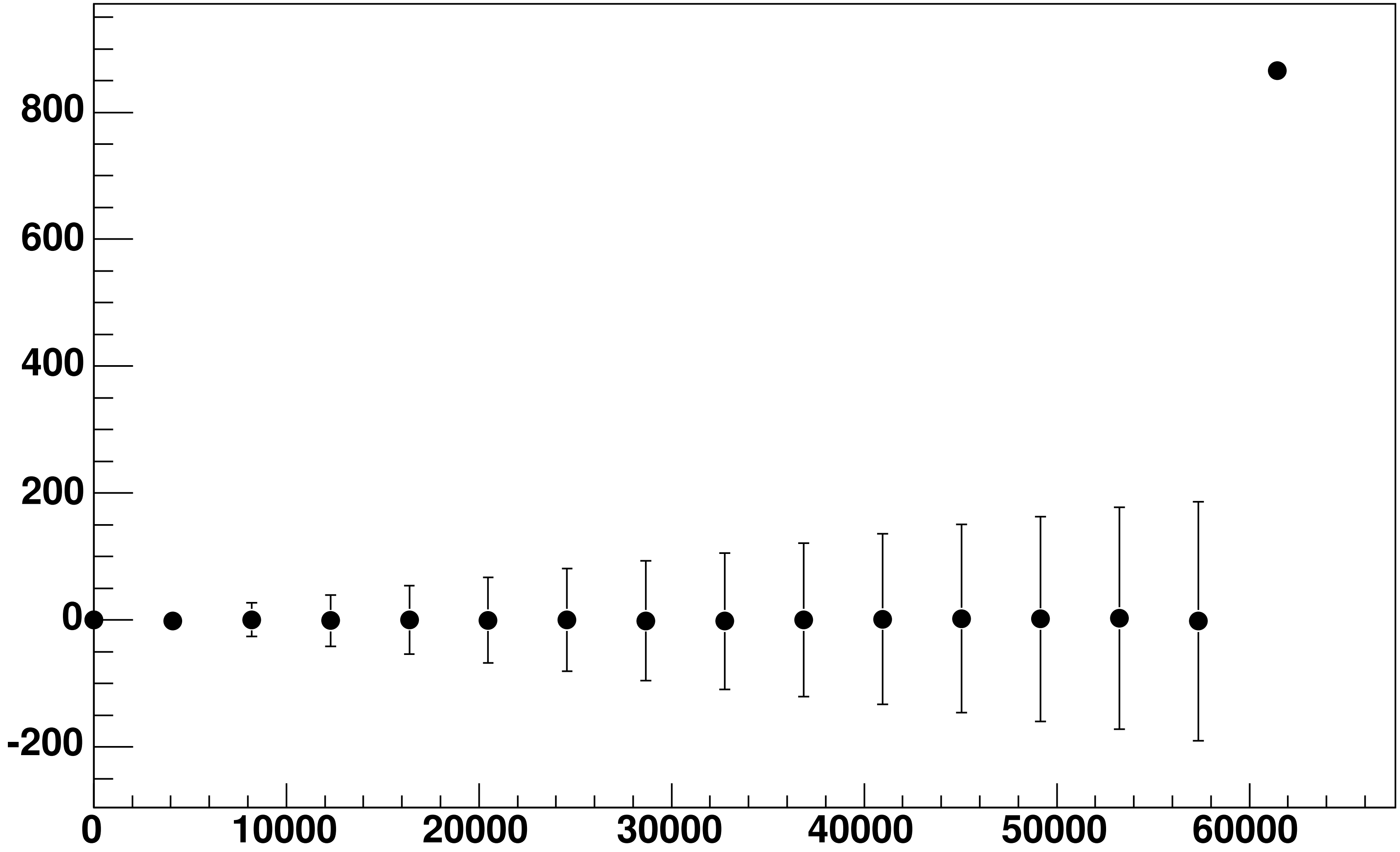

FE6, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

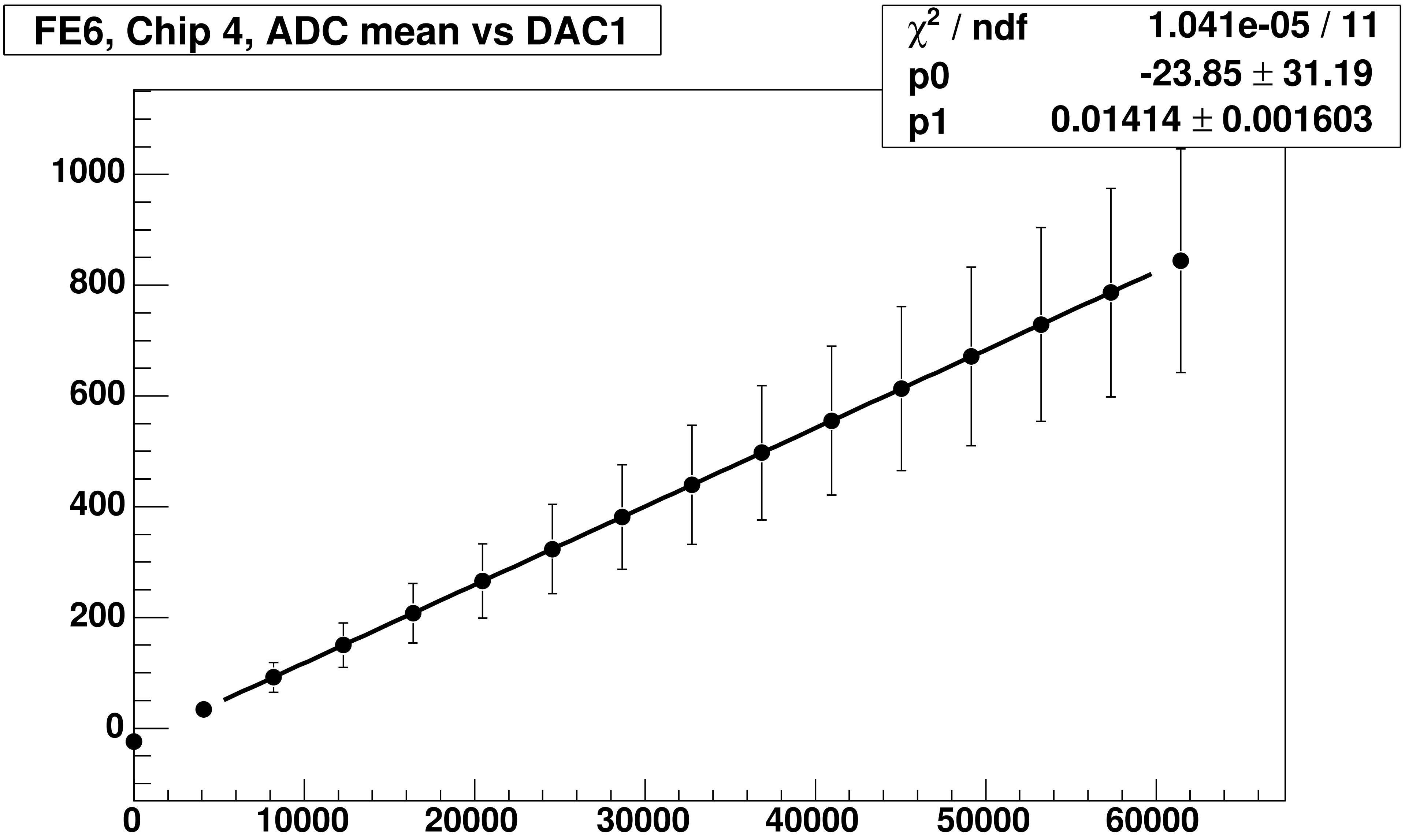

FE6, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

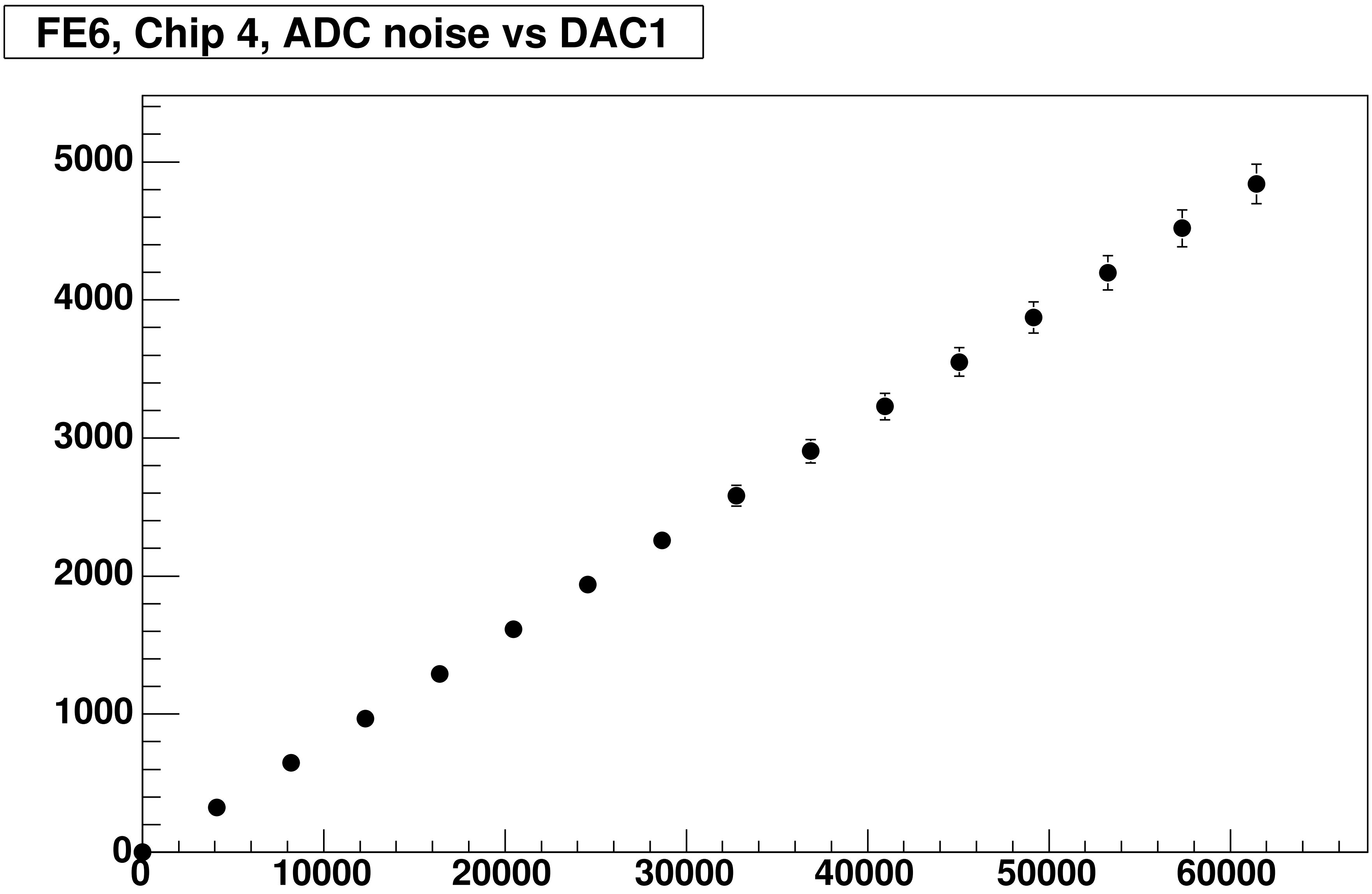

FE6, Chip 4, ADC mean vs DAC0
χ2 / ndf 0.002381 / 11
p0 -21.87 ± 31.19
p1 0.4383 ± 0.001603
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

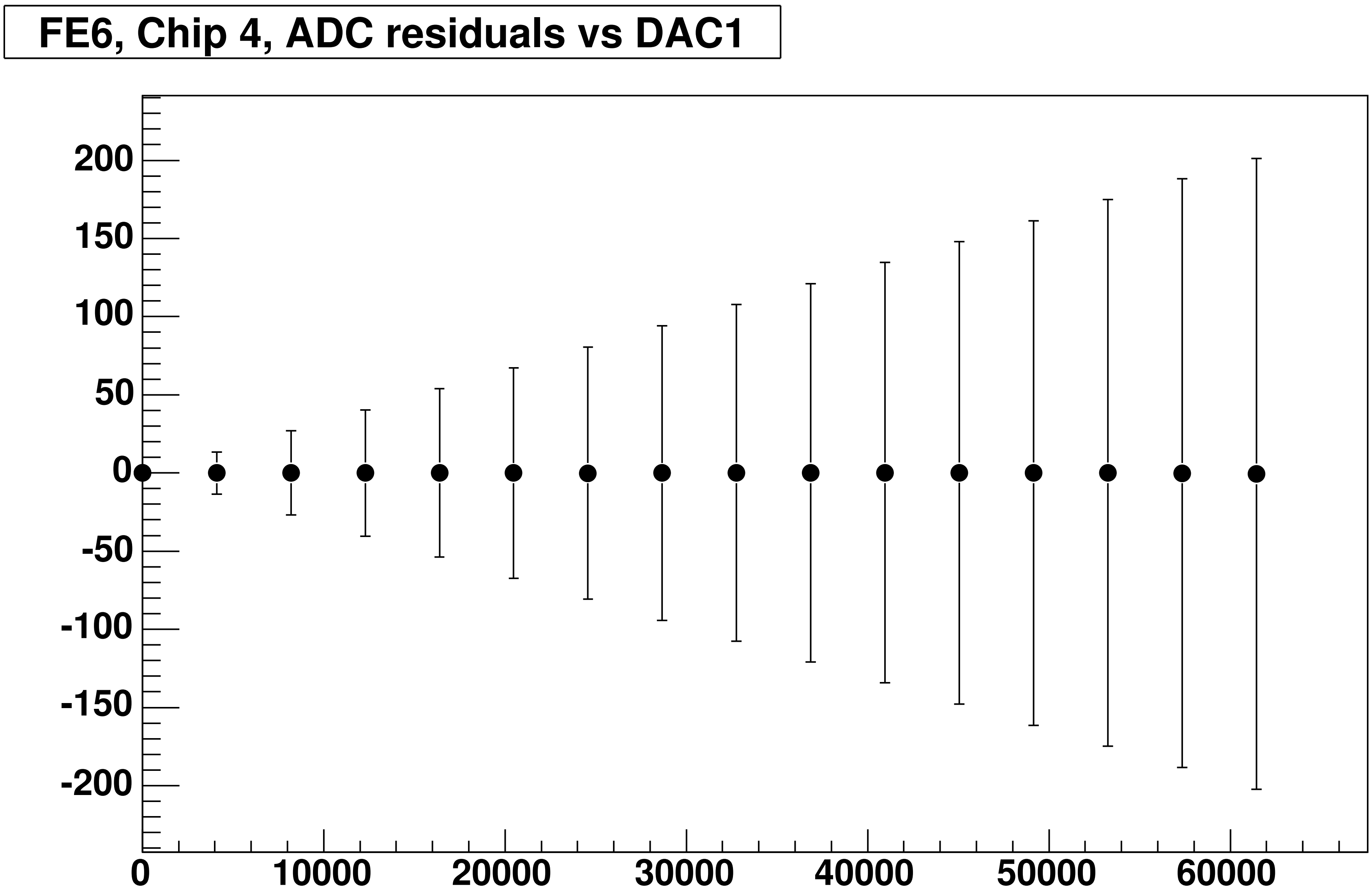

FE6, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

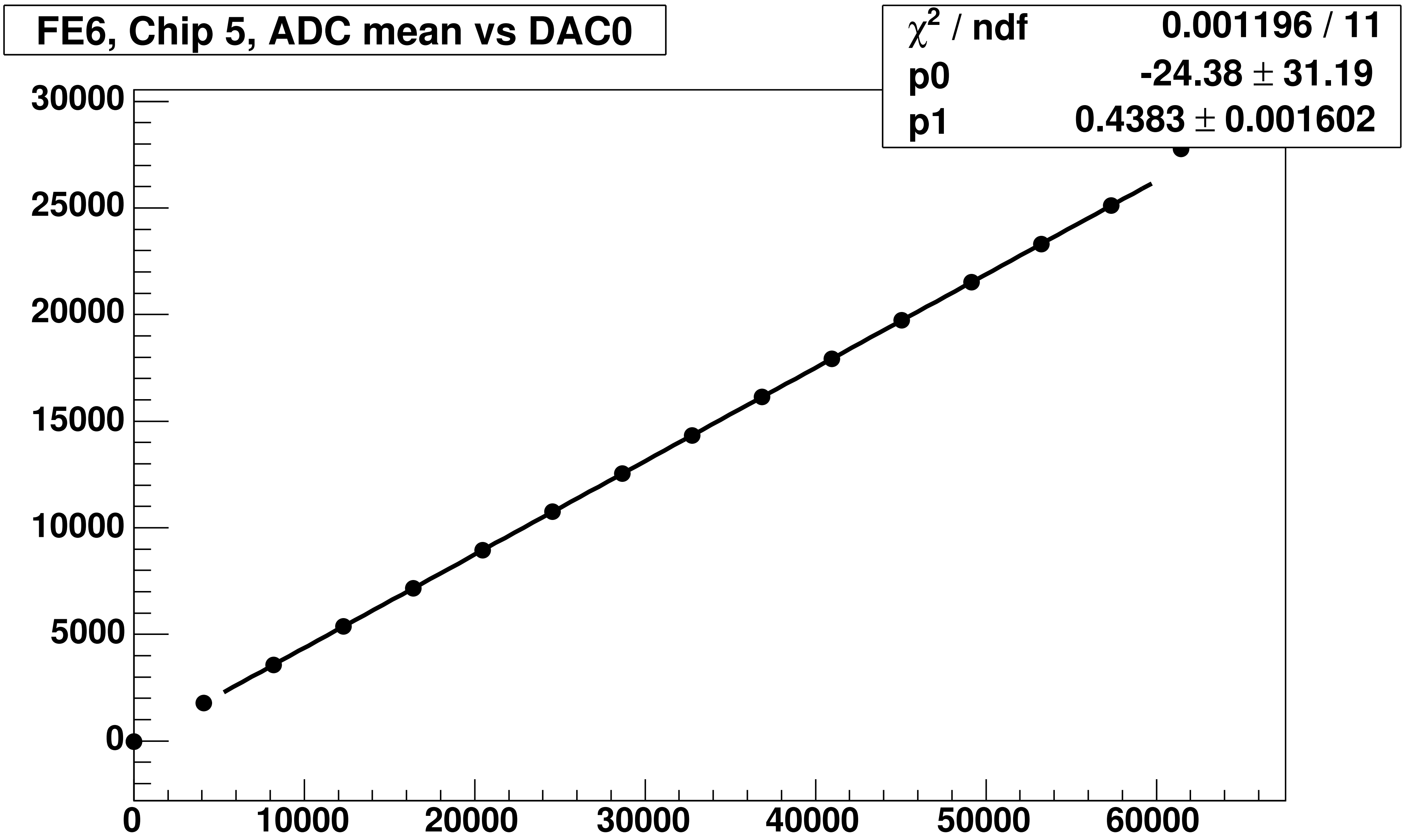
FE6, Chip 4, ADC residuals vs DAC0



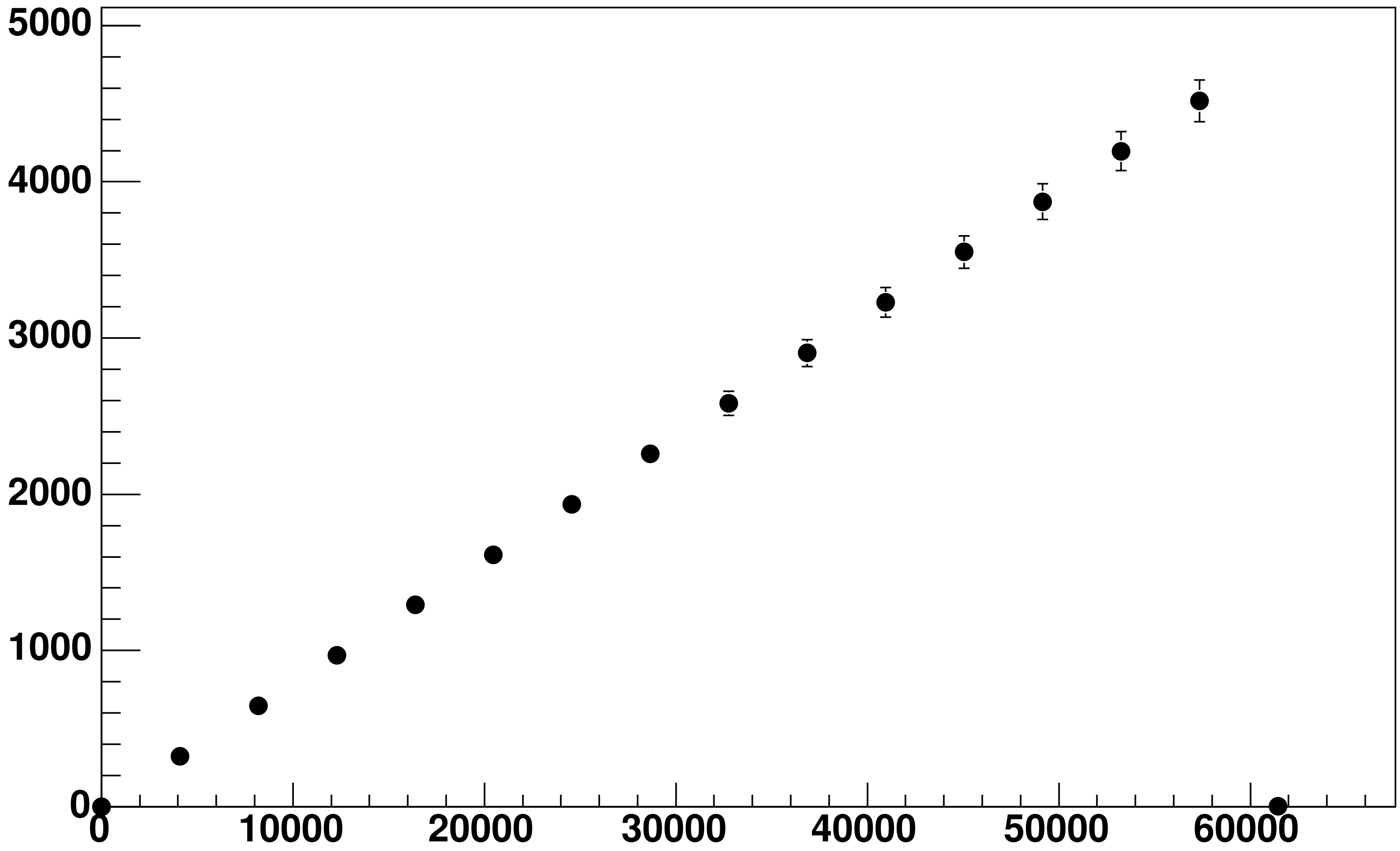

FE6, Chip 4, ADC mean vs DAC1
χ^2 / ndf 1.041e-05 / 11
p0 -23.85 ± 31.19
p1 0.01414 ± 0.001603
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

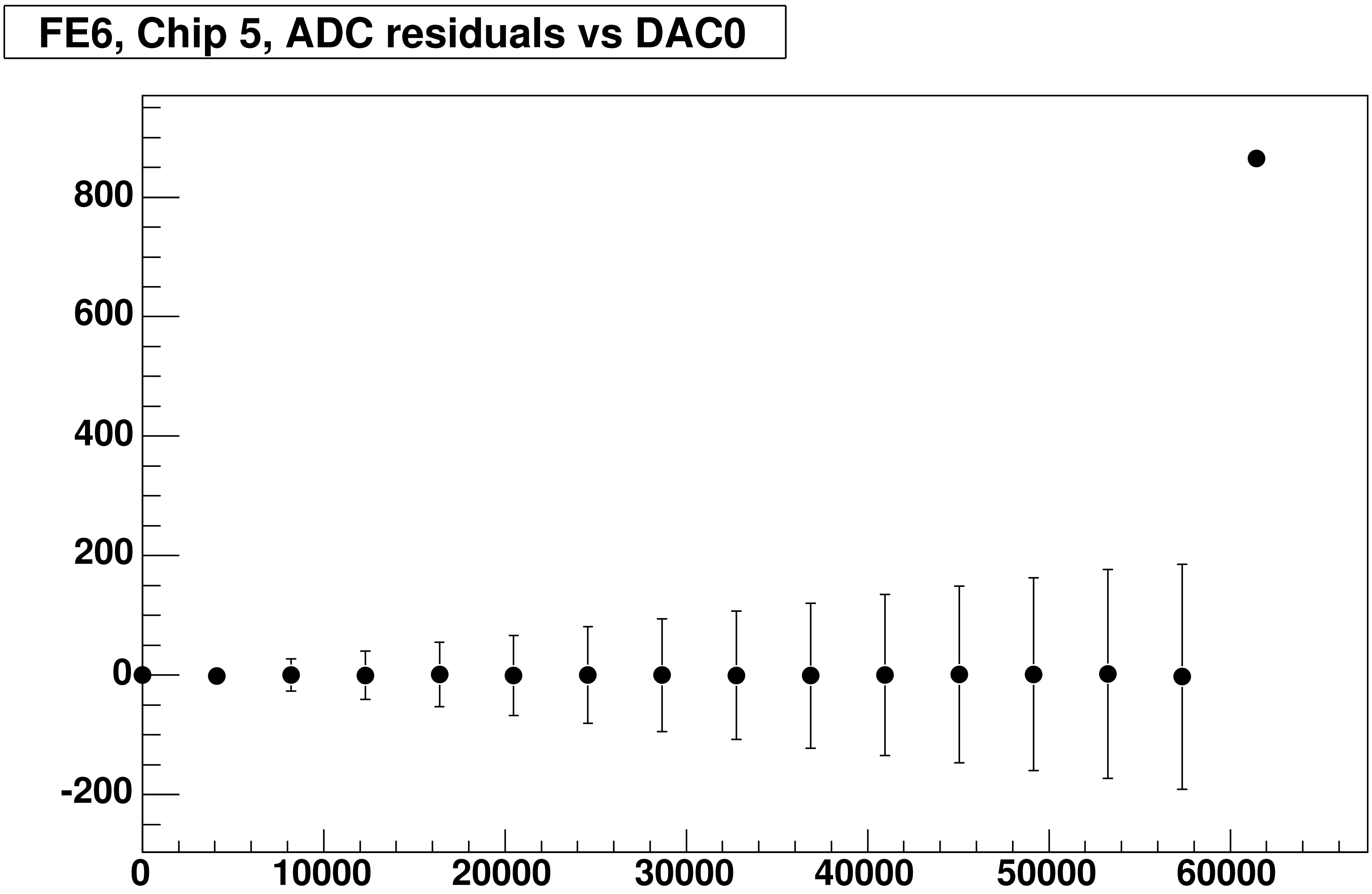

FE6, Chip 4, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

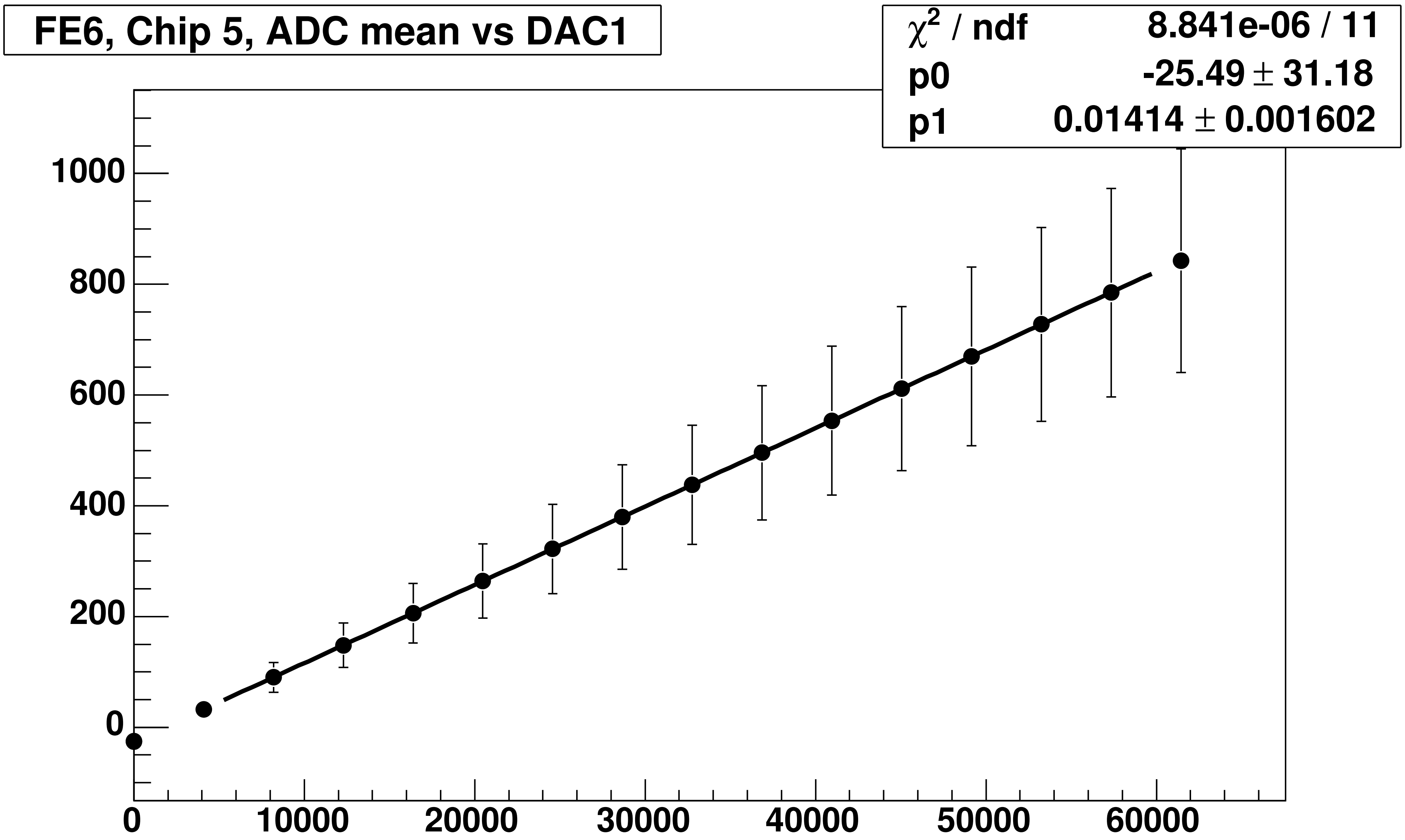

FE6, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.001196 / 11
p0 -24.38 ± 31.19
p1 0.4383 ± 0.001602
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

FE6, Chip 5, ADC noise vs DAC0

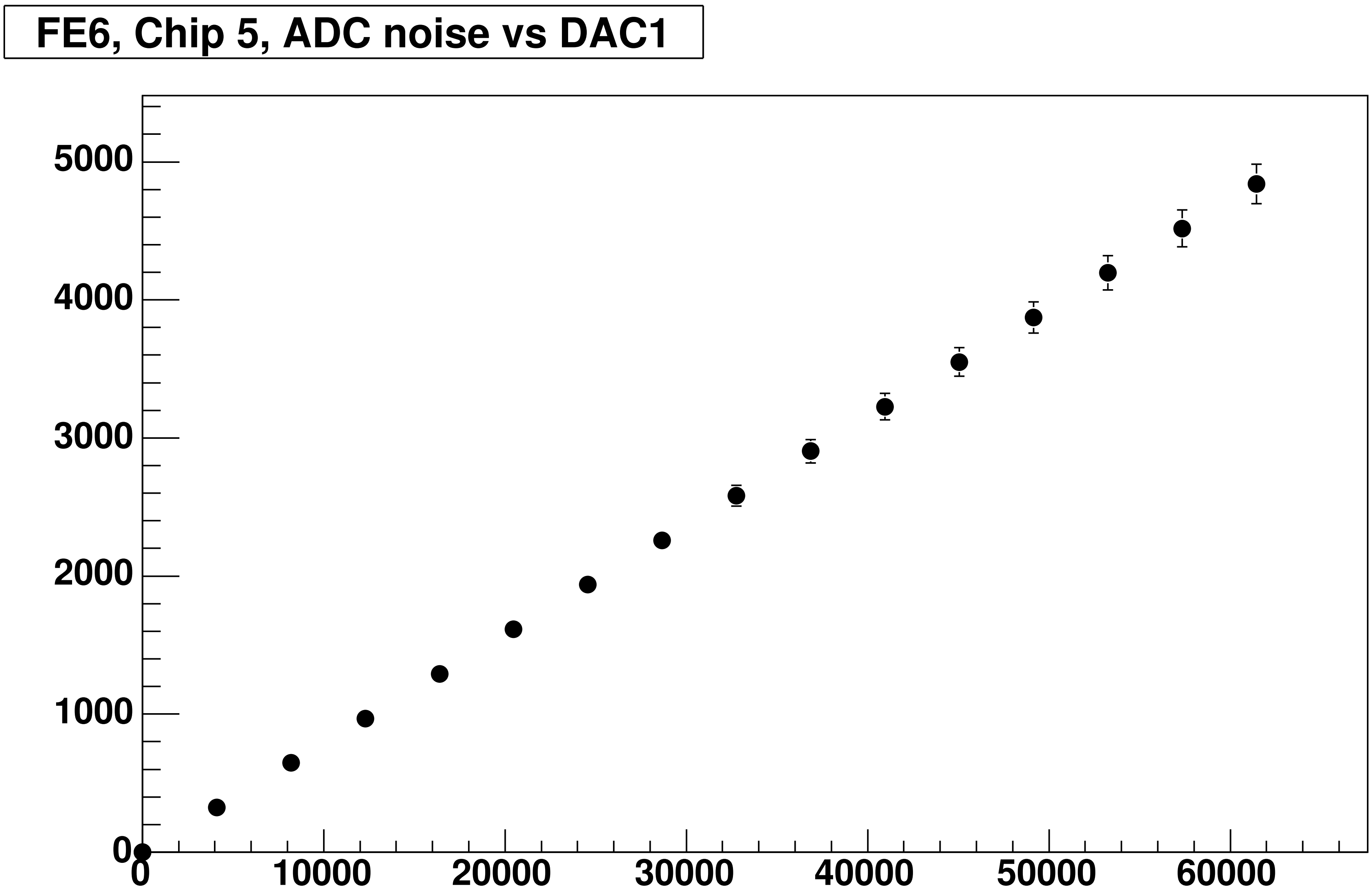


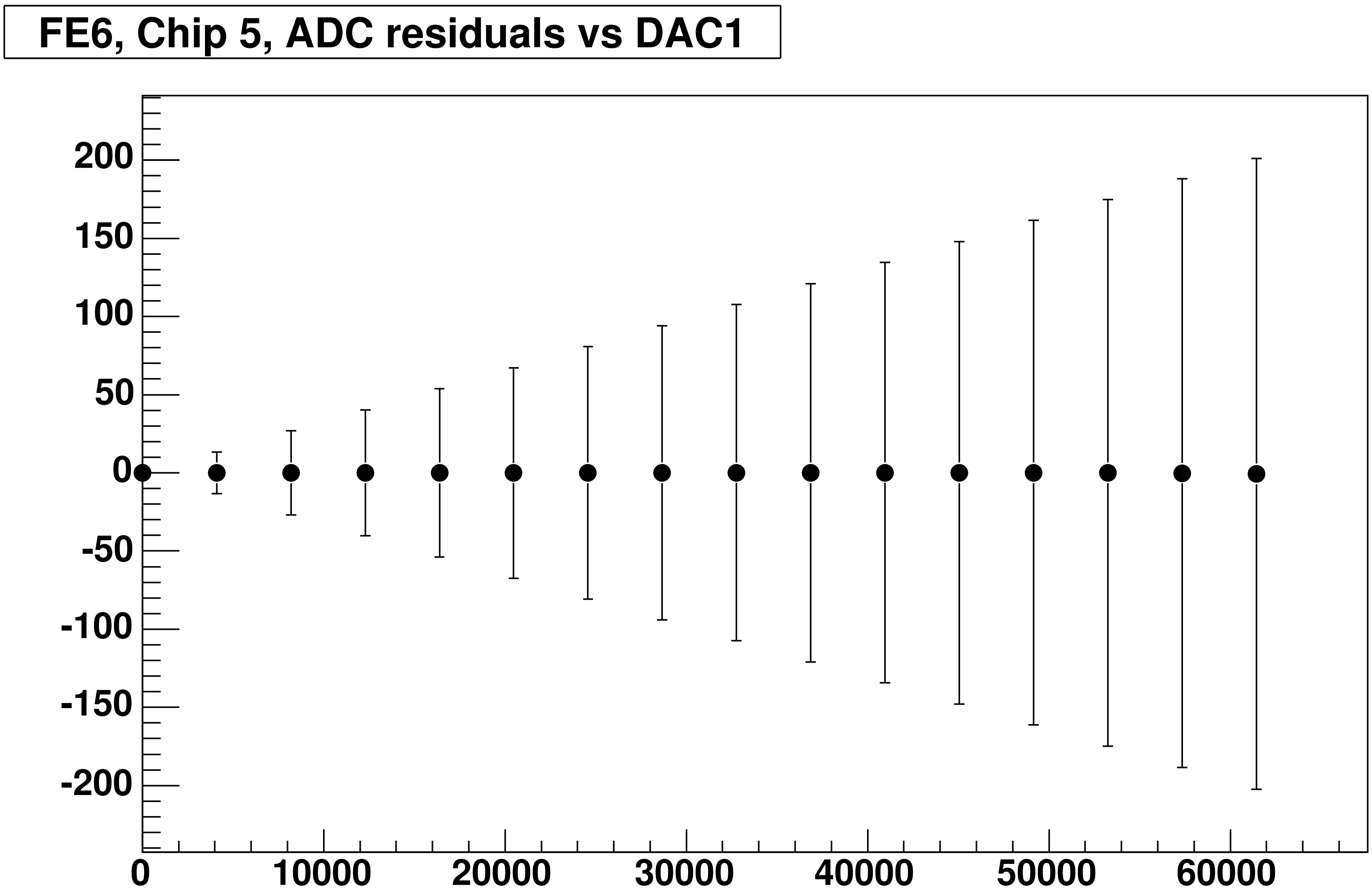


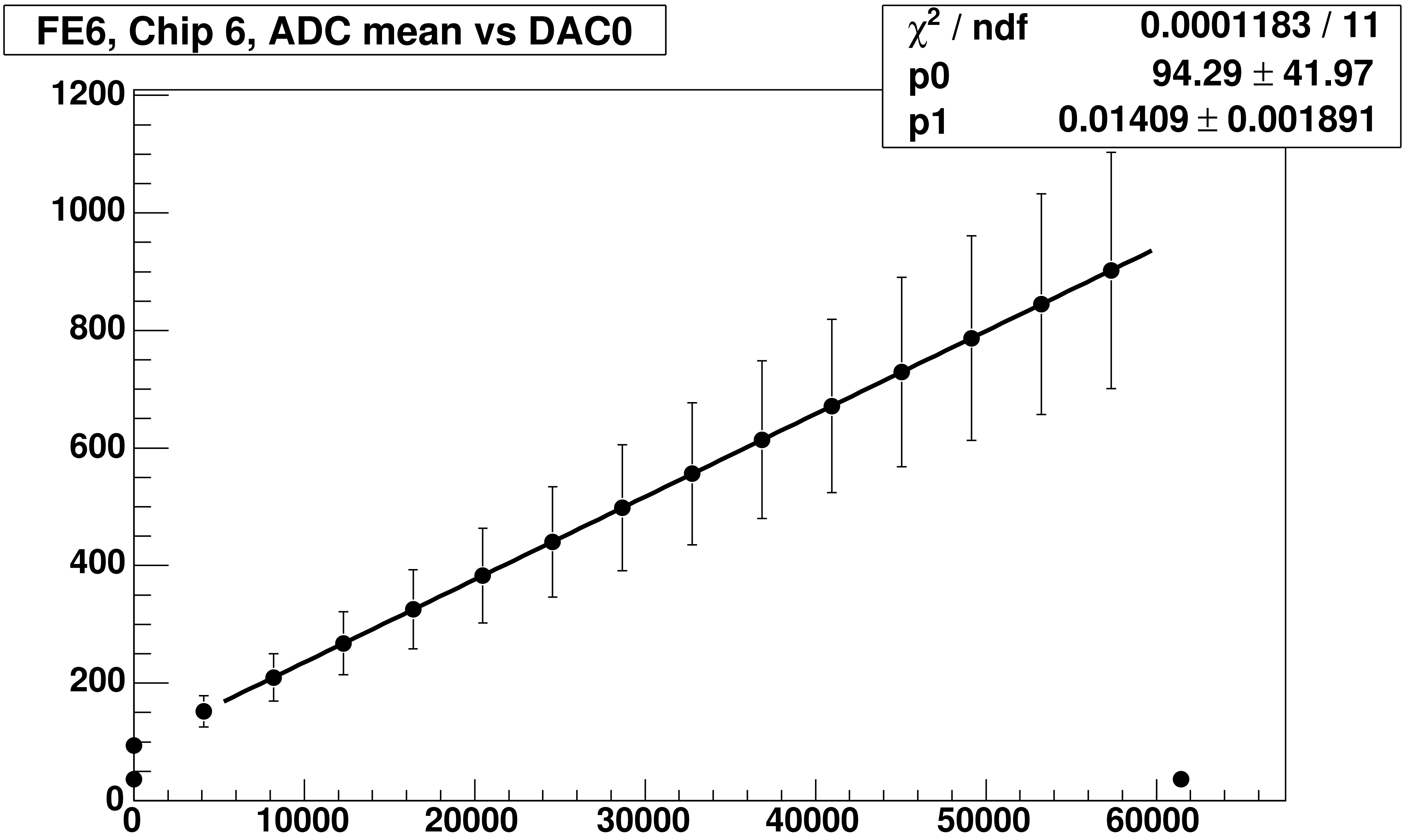
FE6, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



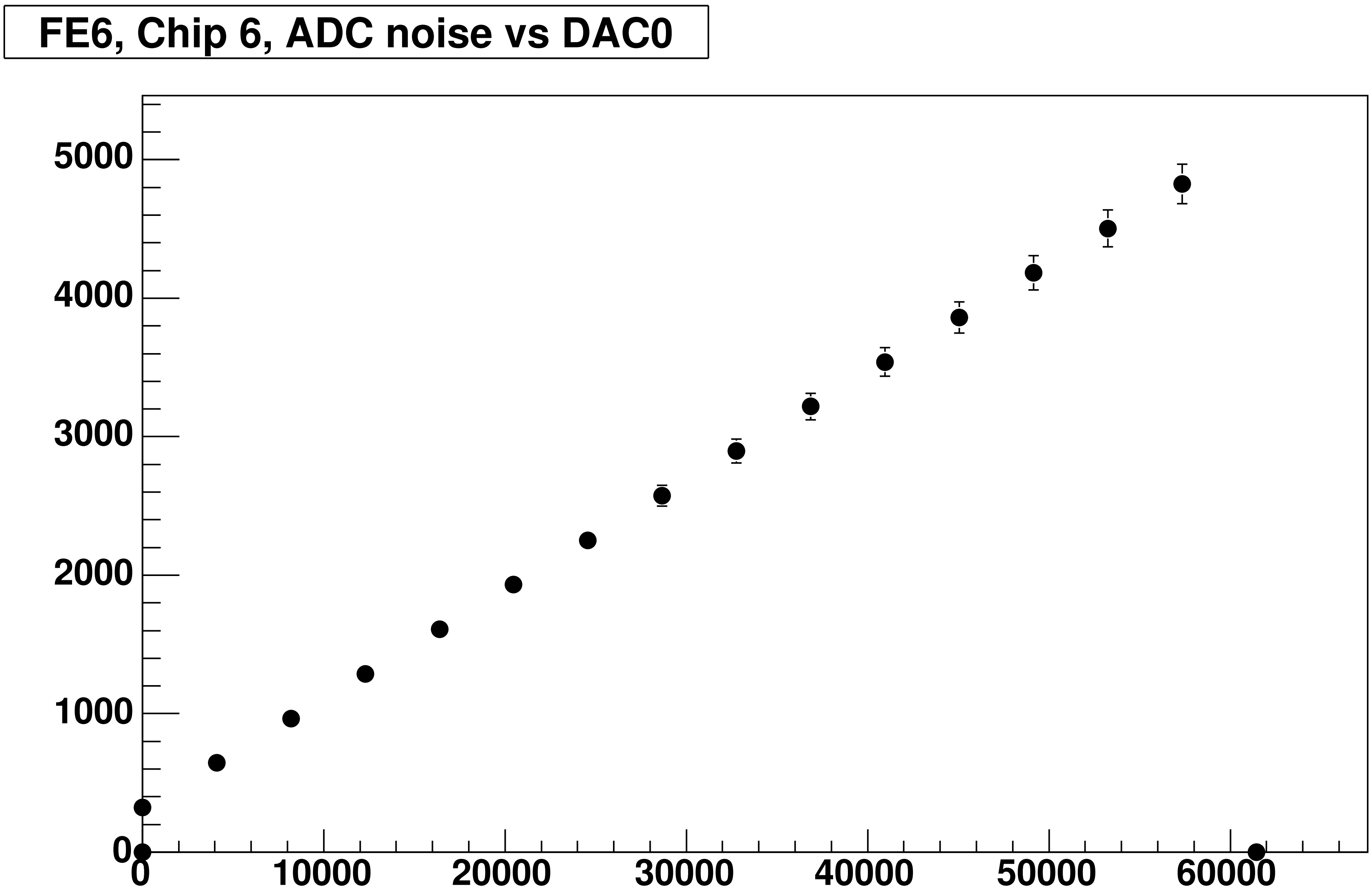
FE6, Chip 5, ADC mean vs DAC1
χ^2 / ndf 8.841e-06 / 11
p0 -25.49 ± 31.18
p1 0.01414 ± 0.001602
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

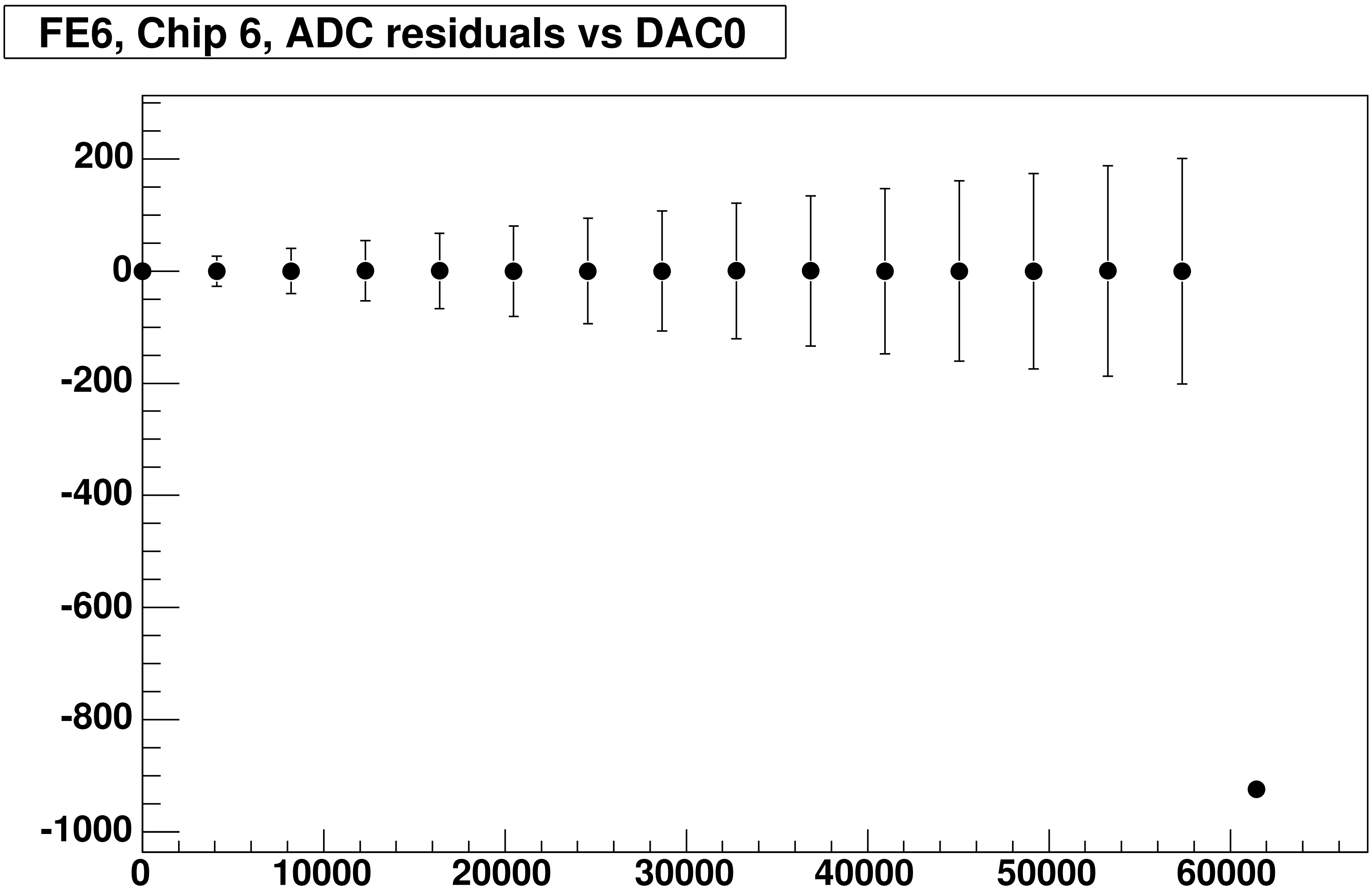

FE6, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

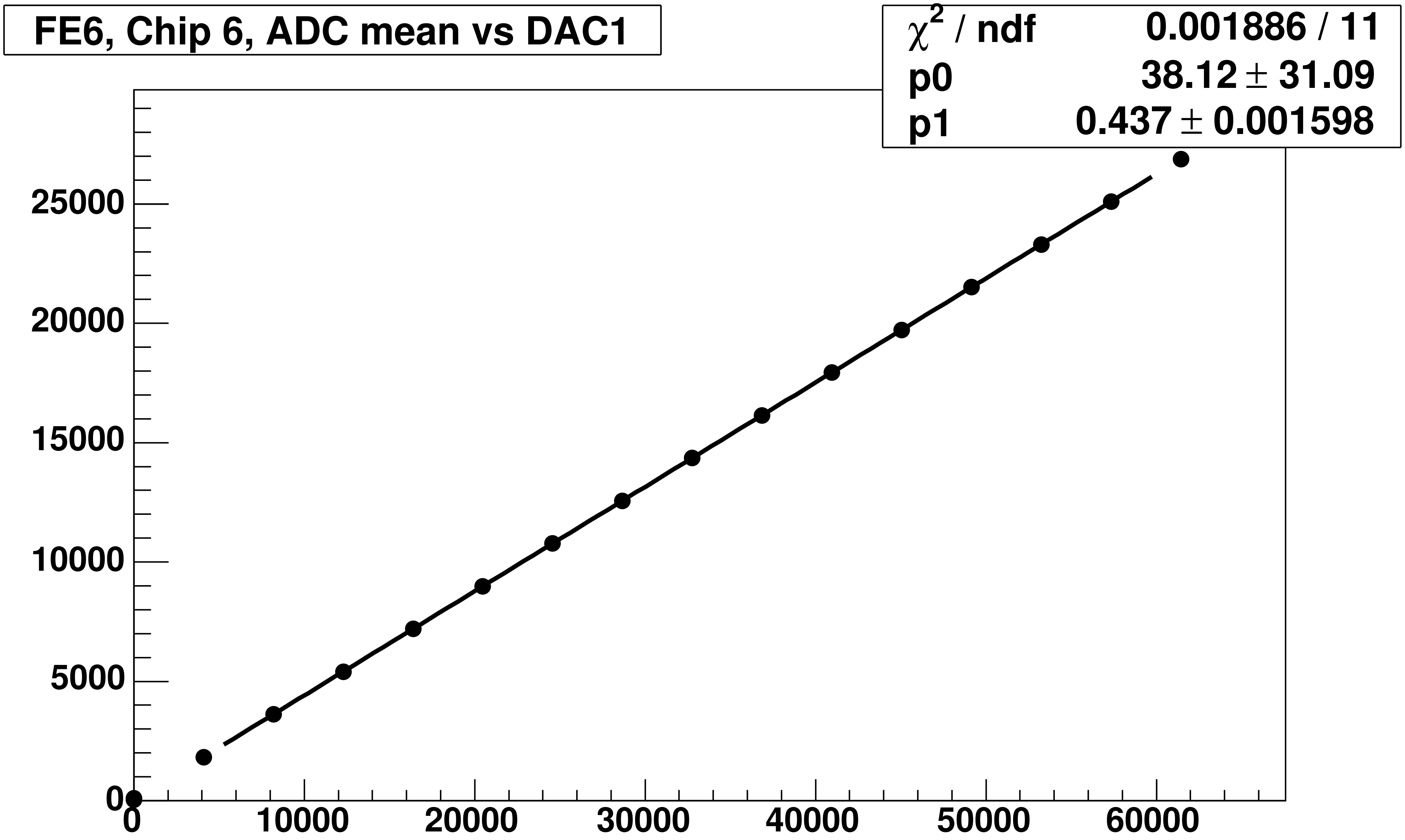

FE6, Chip 5, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



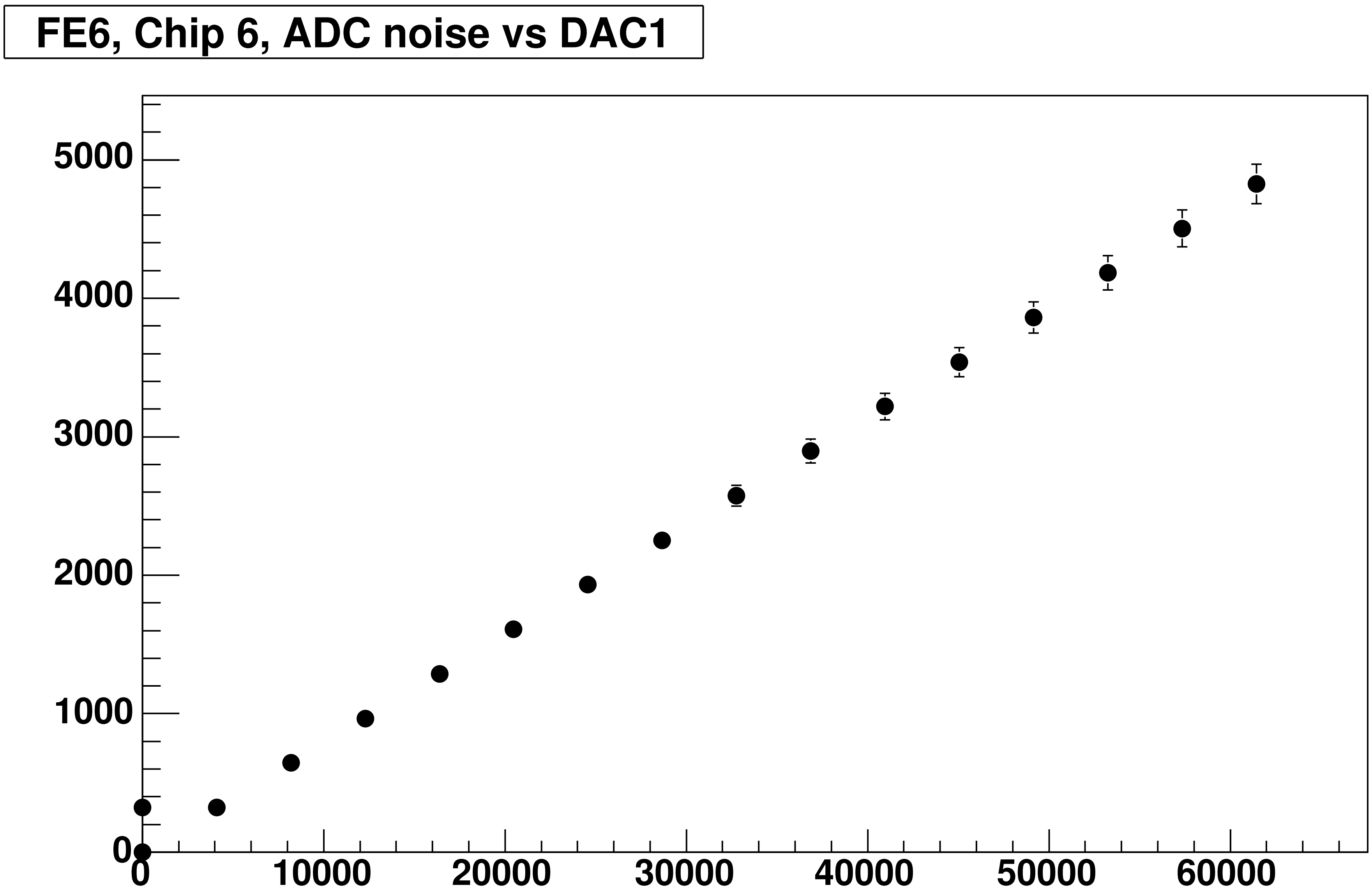
FE6, Chip 6, ADC mean vs DAC0
χ^2 / ndf 0.0001183 / 11
p0 94.29 ± 41.97
p1 0.01409 ± 0.001891
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000


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

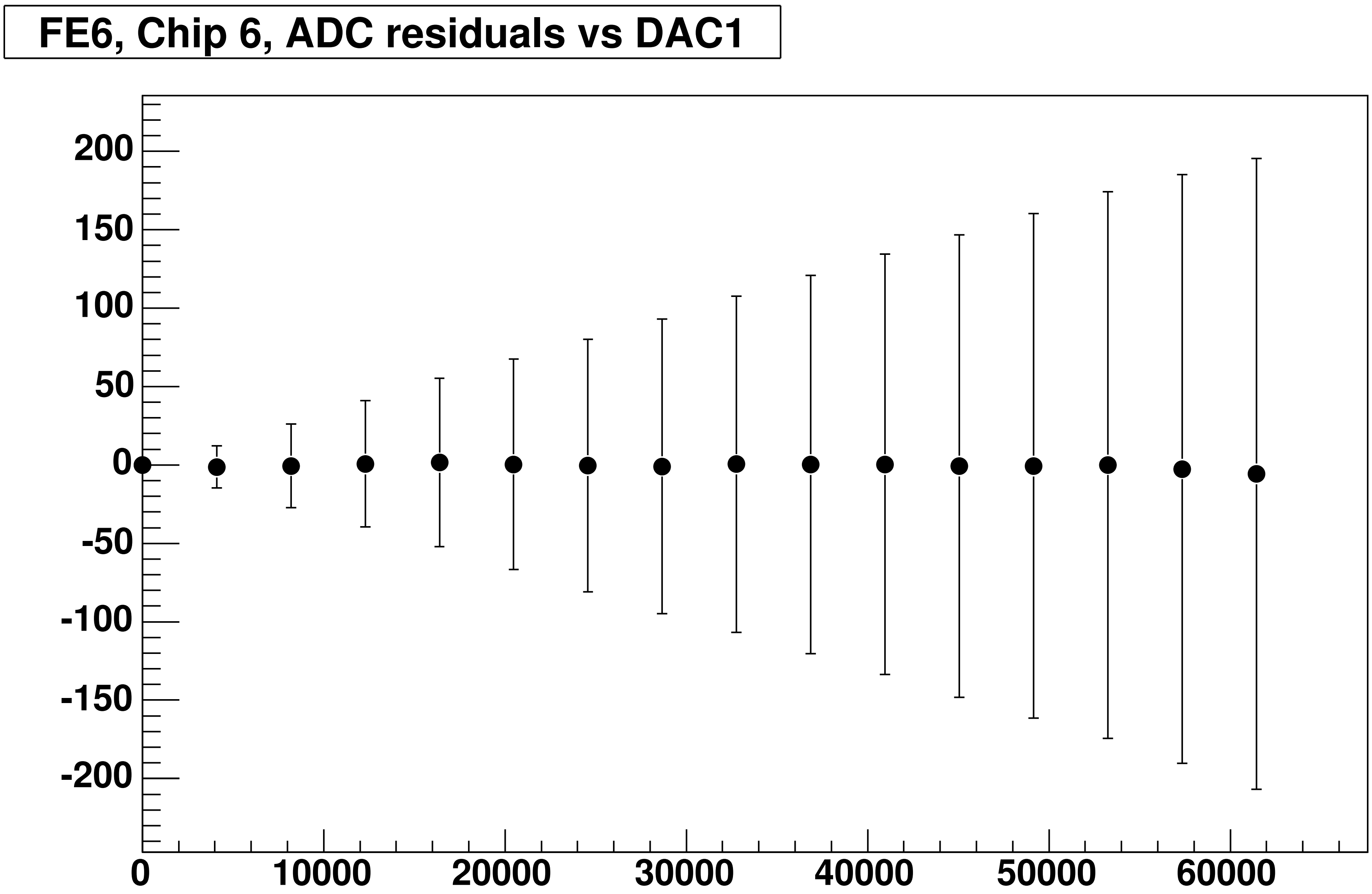

FE6, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

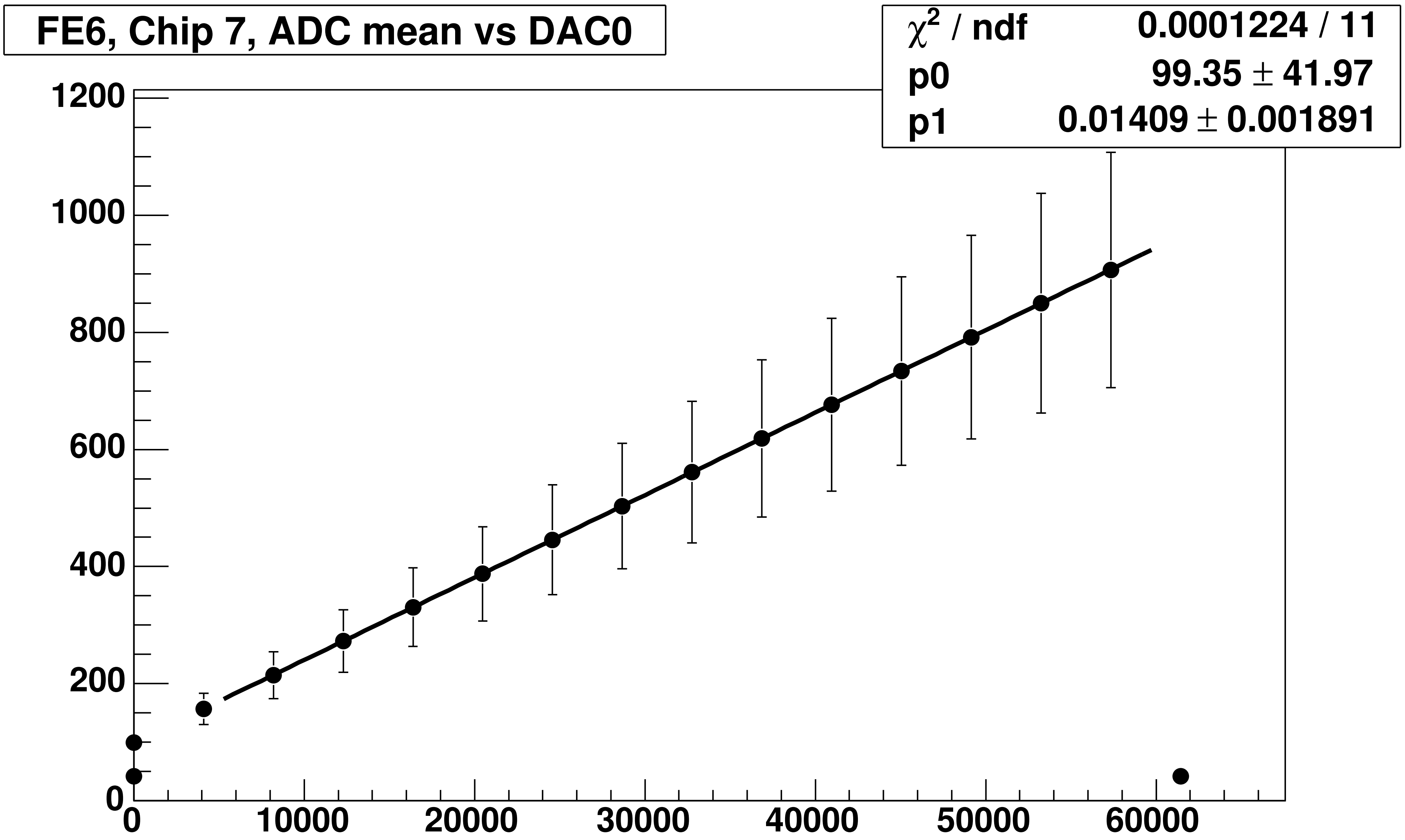


FE6, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001886 / 11
p0 38.12 ± 31.09
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

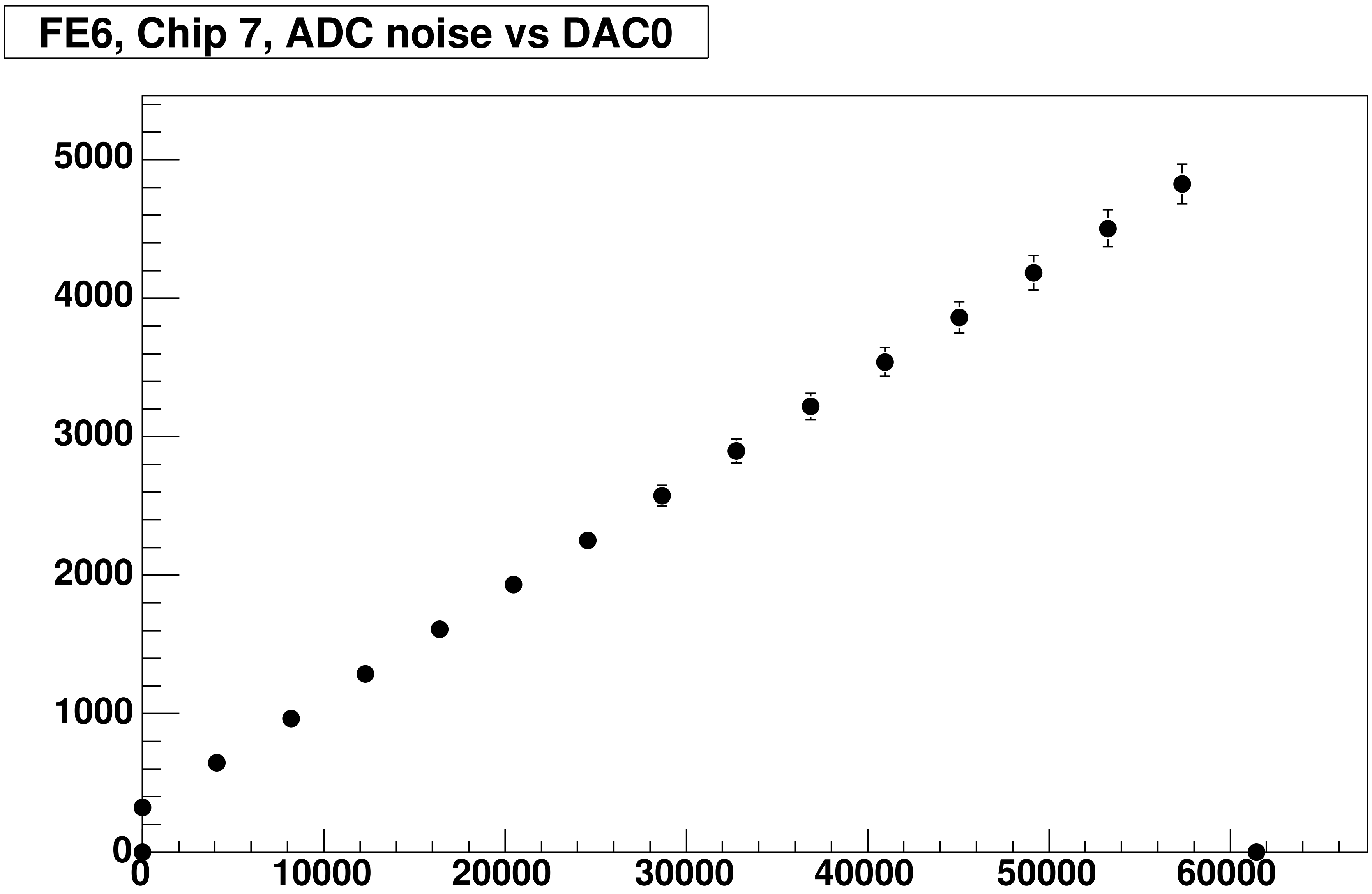


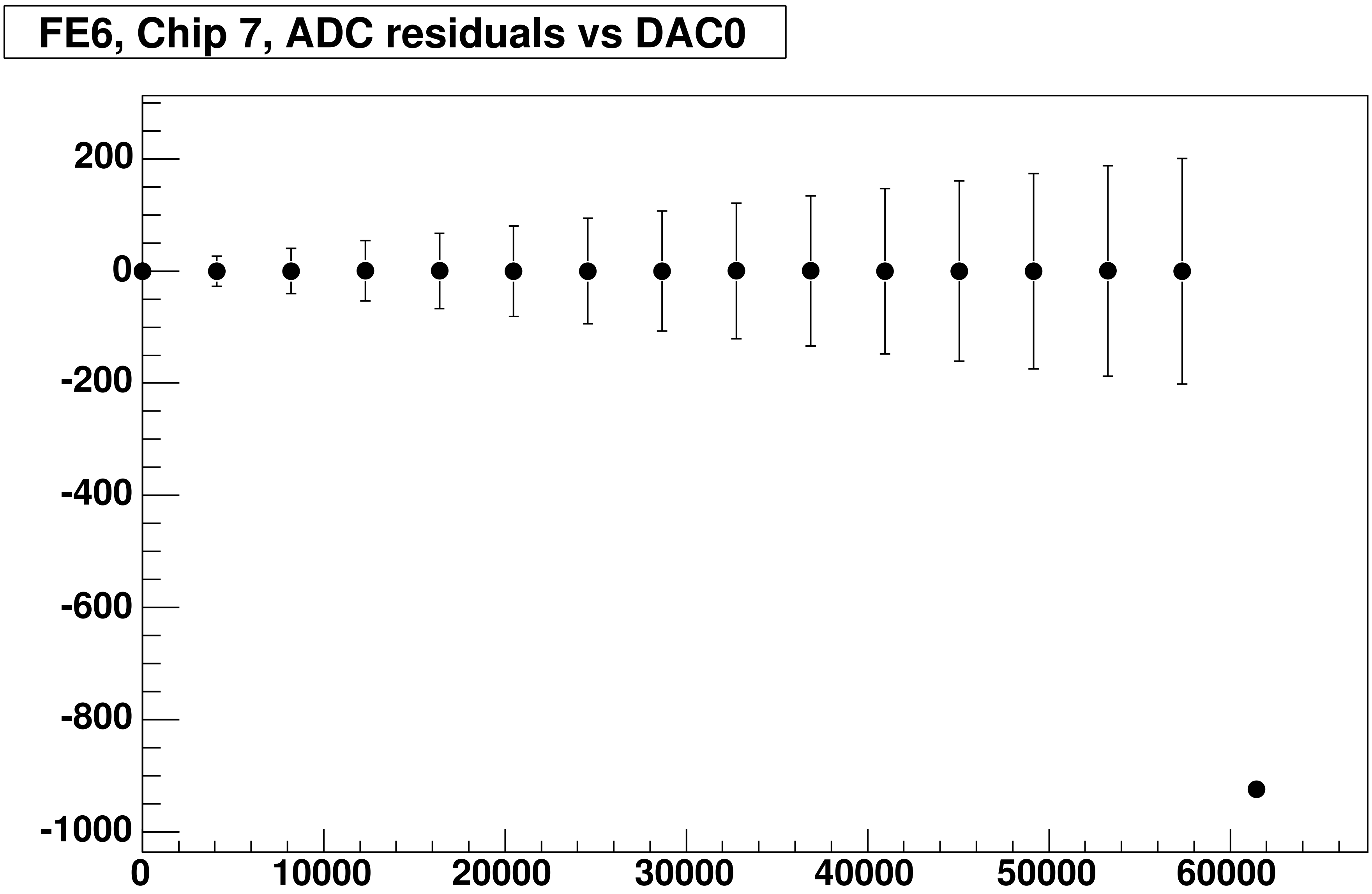
FE6, Chip 6, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

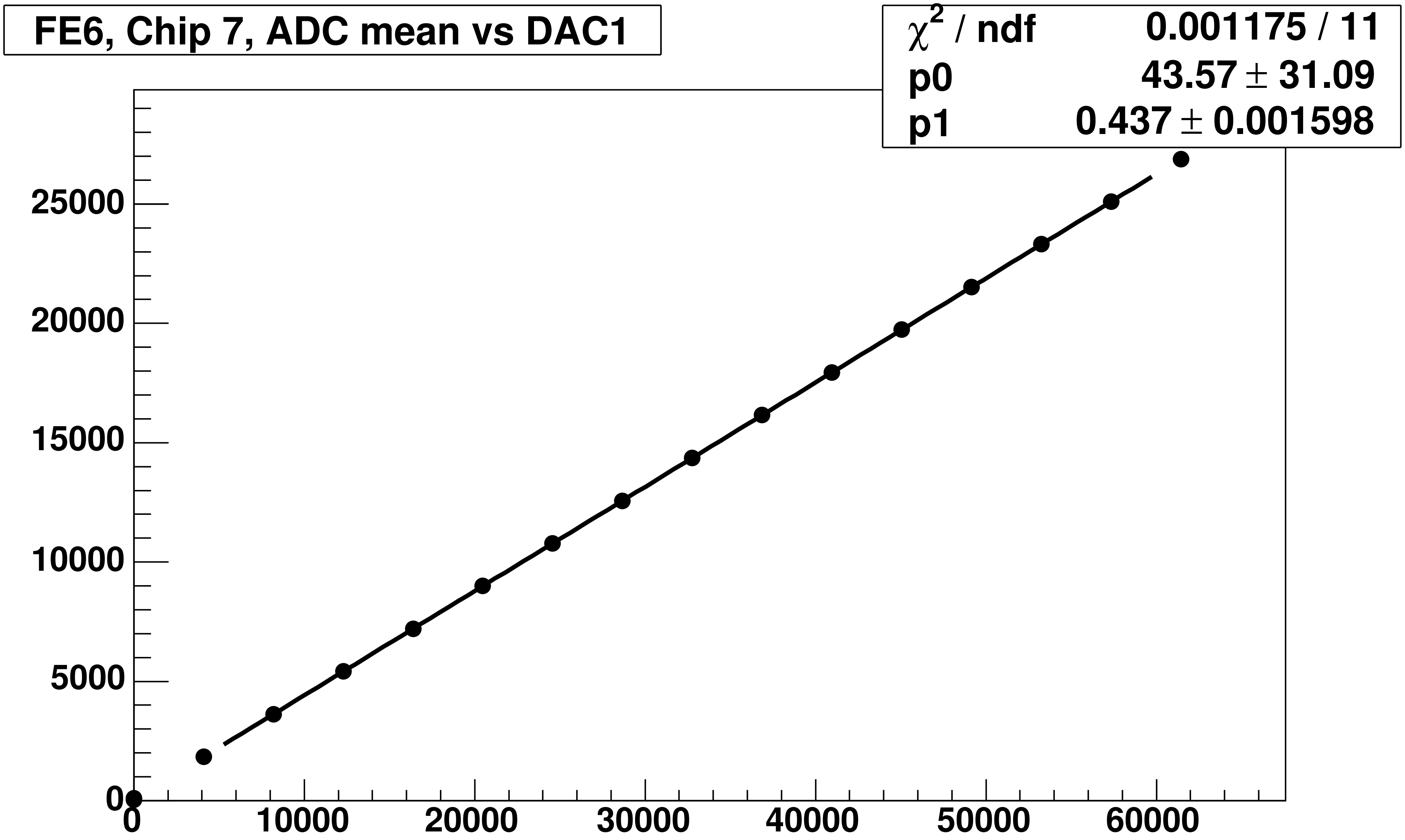


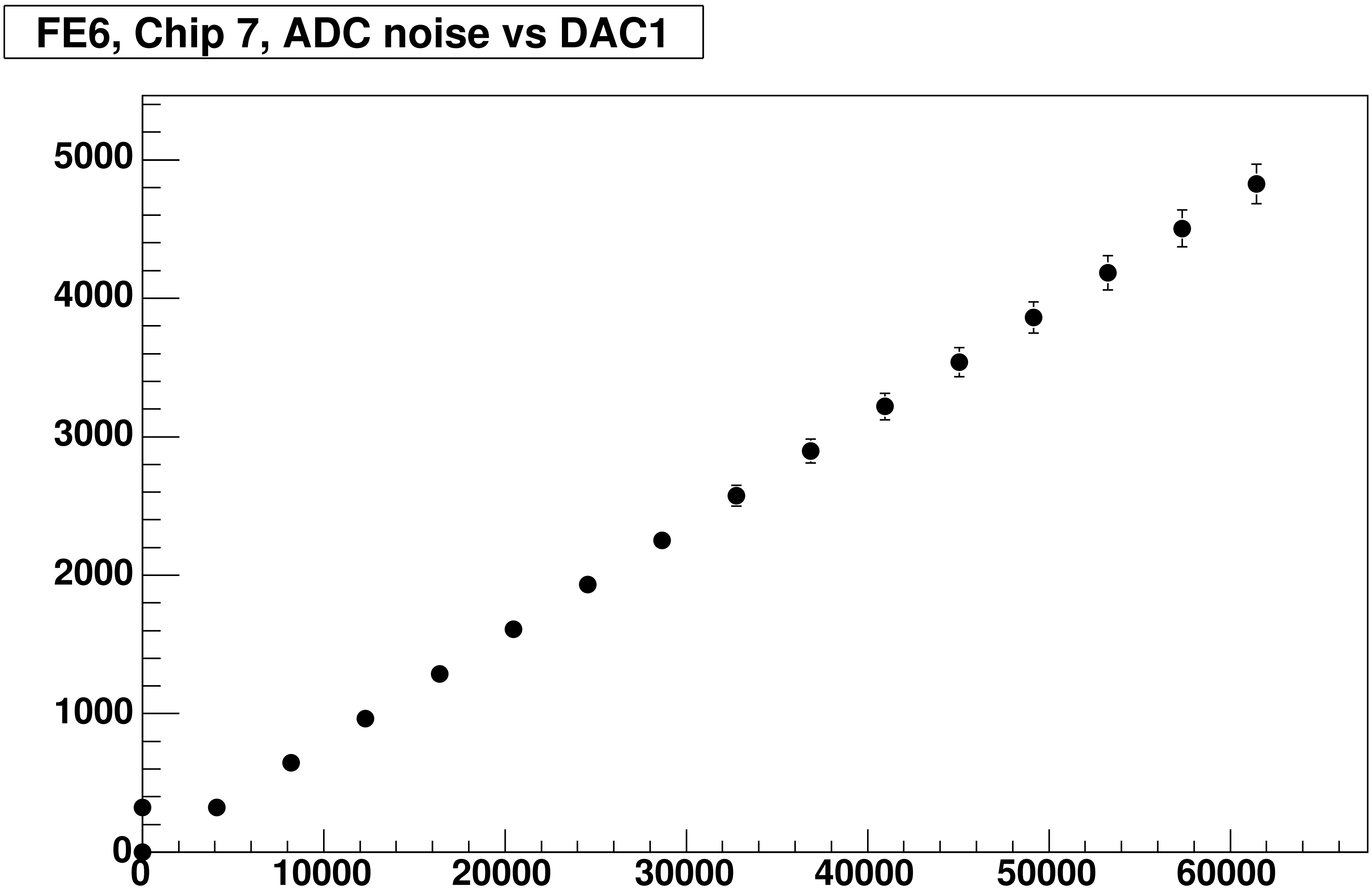
FE6, Chip 7, ADC mean vs DAC0
χ^2 / ndf 0.0001224 / 11
p0 99.35 ± 41.97
p1 0.01409 ± 0.001891
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

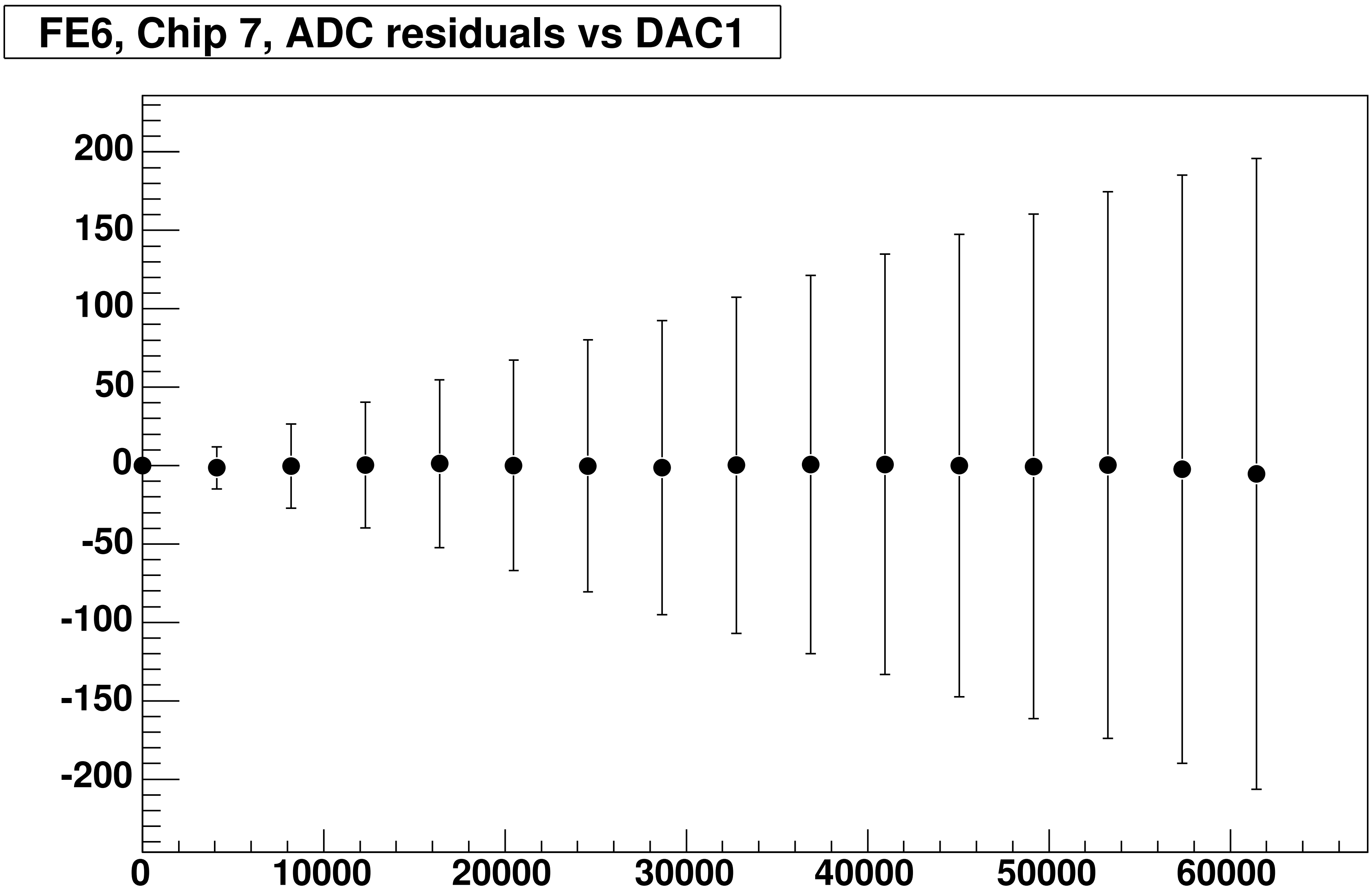

FE6, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

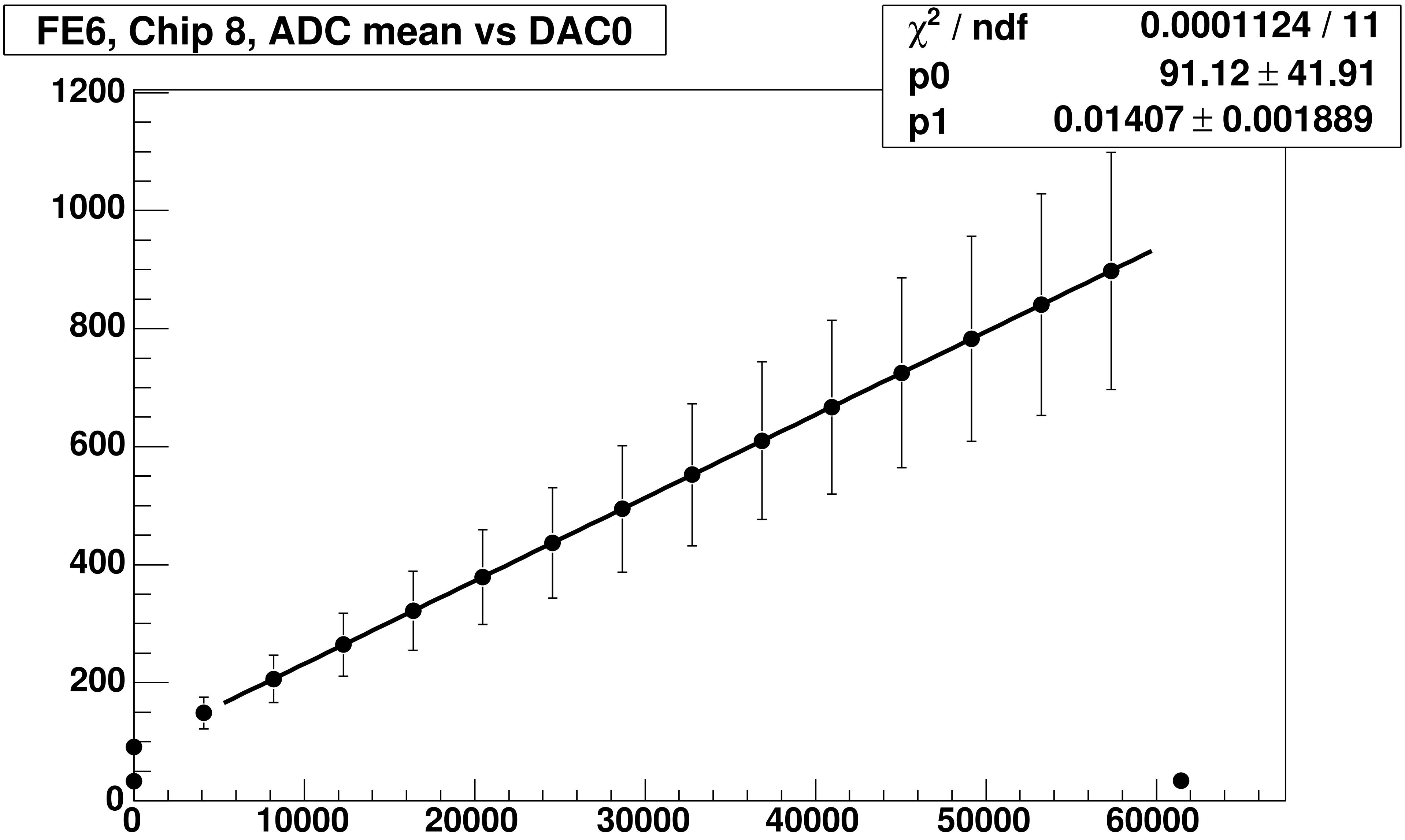


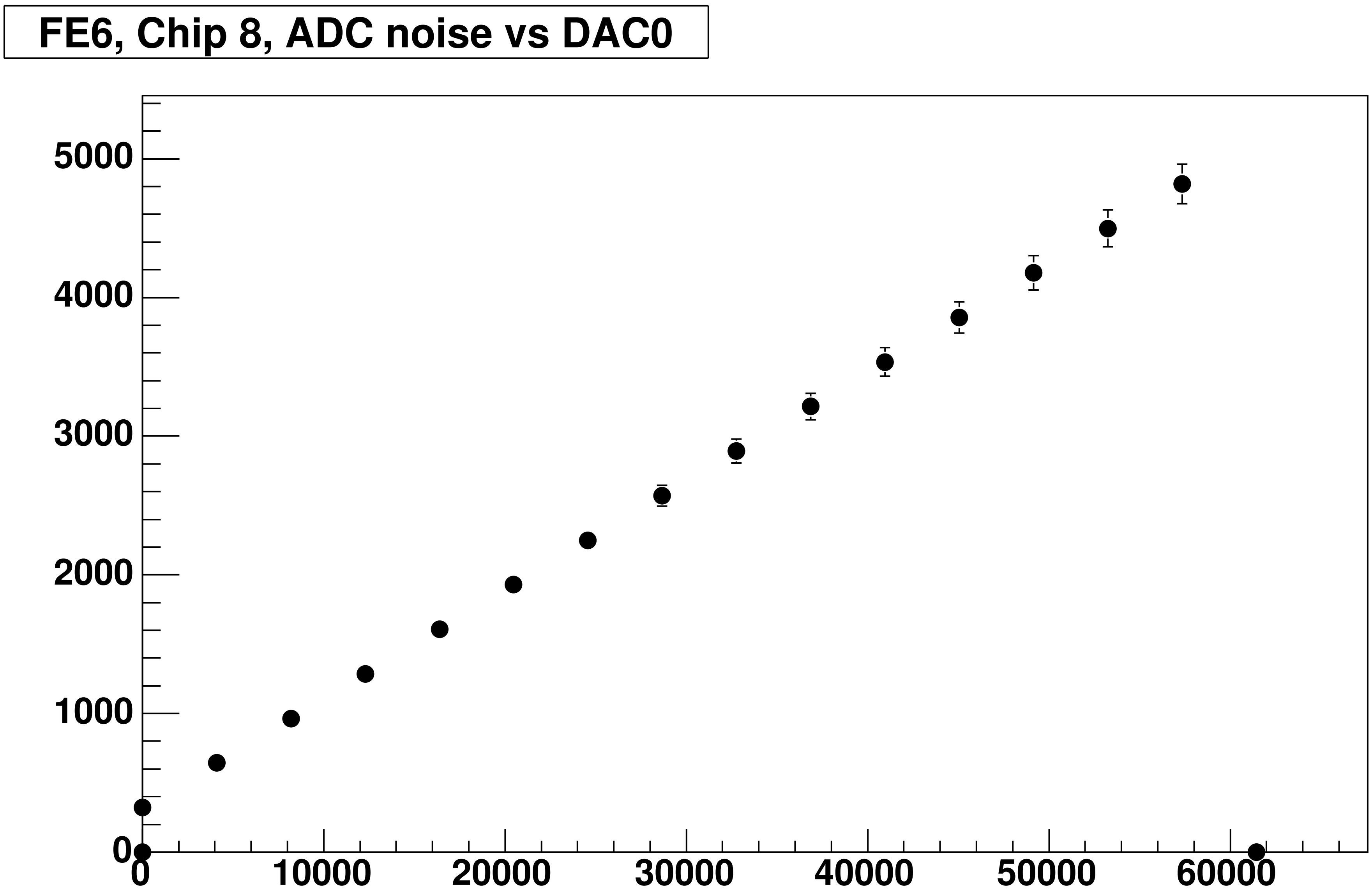
FE6, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

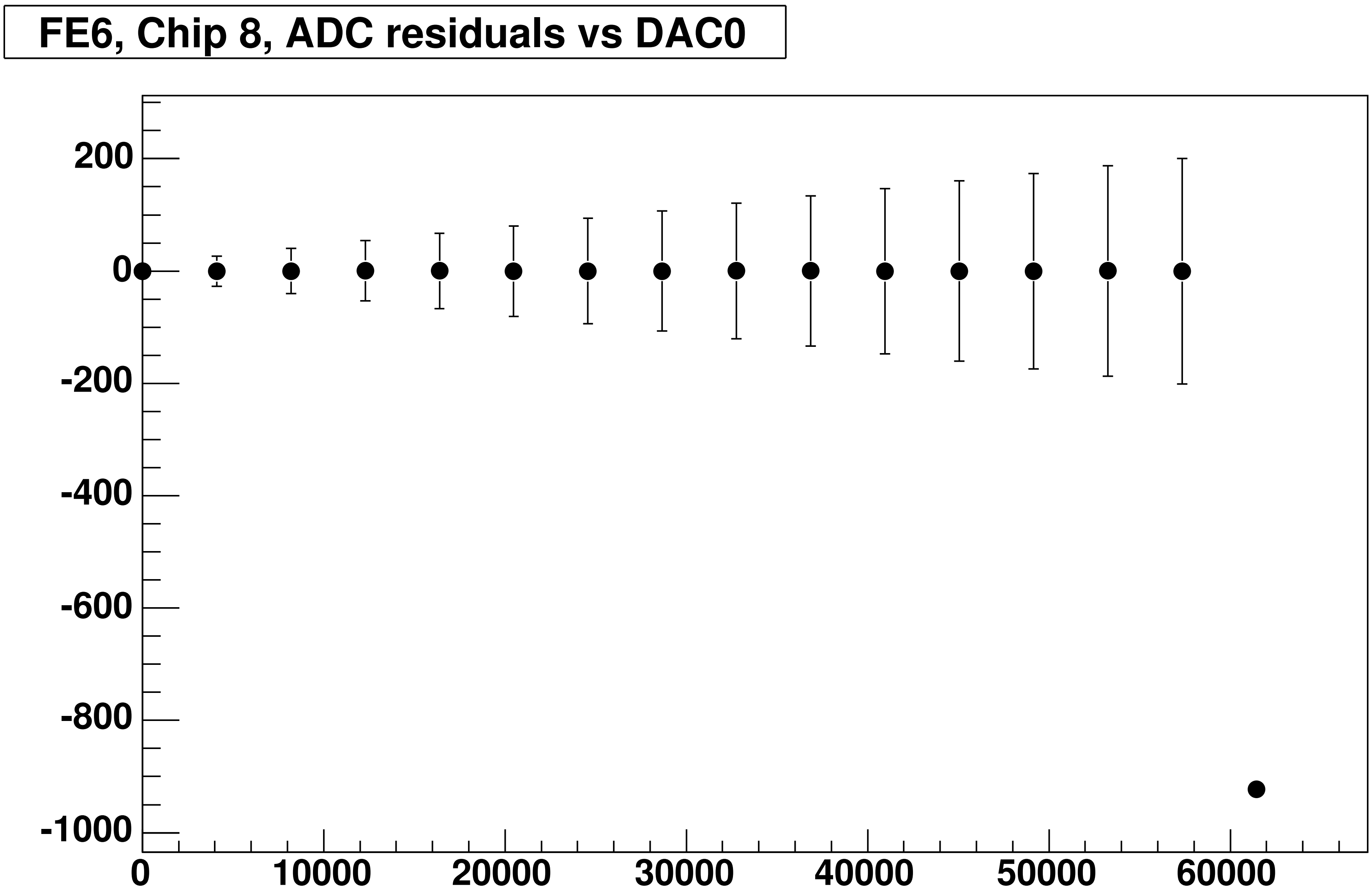

FE6, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.001175 / 11
p0 43.57 ± 31.09
p1 0.437 ± 0.001598
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

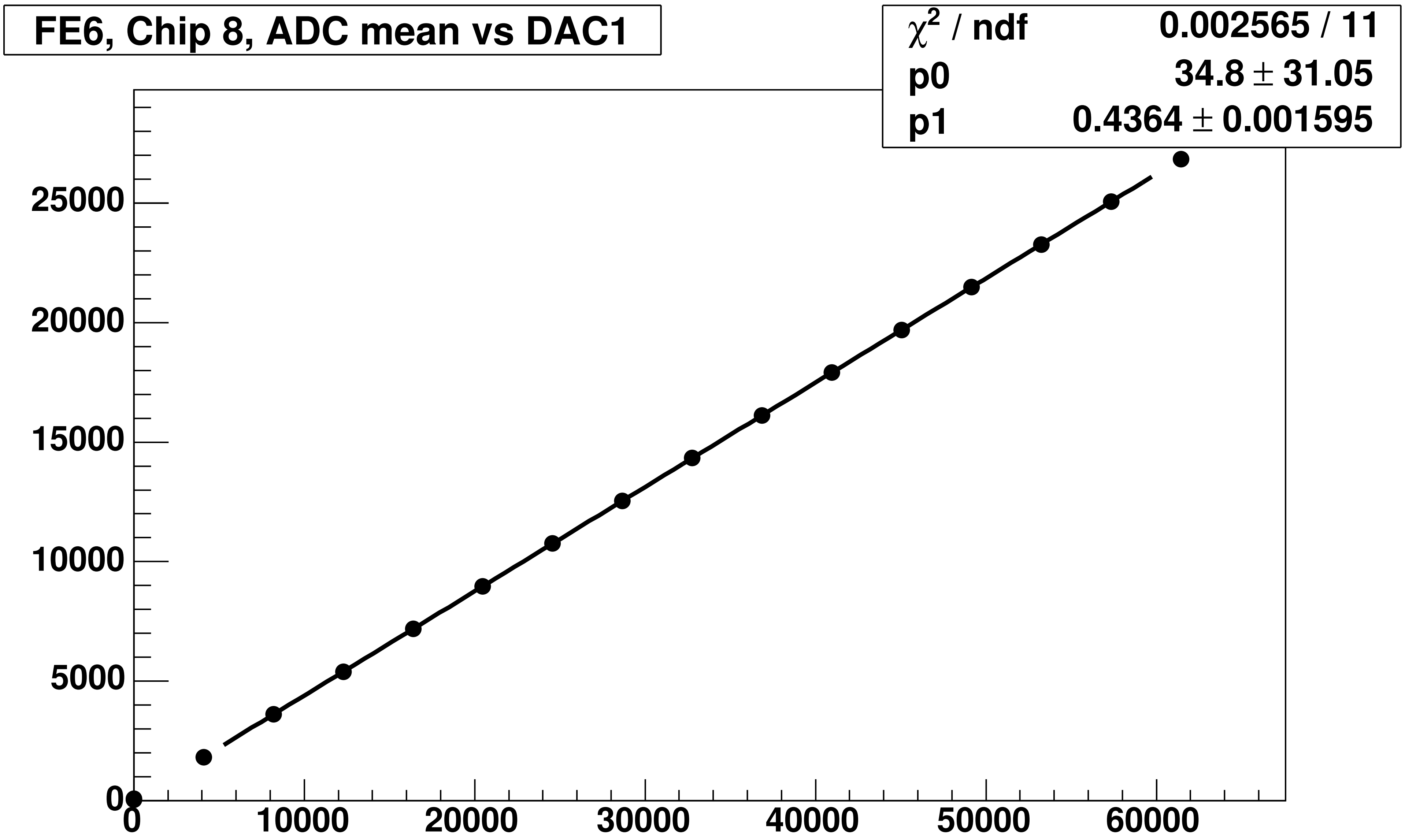

FE6, Chip 7, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

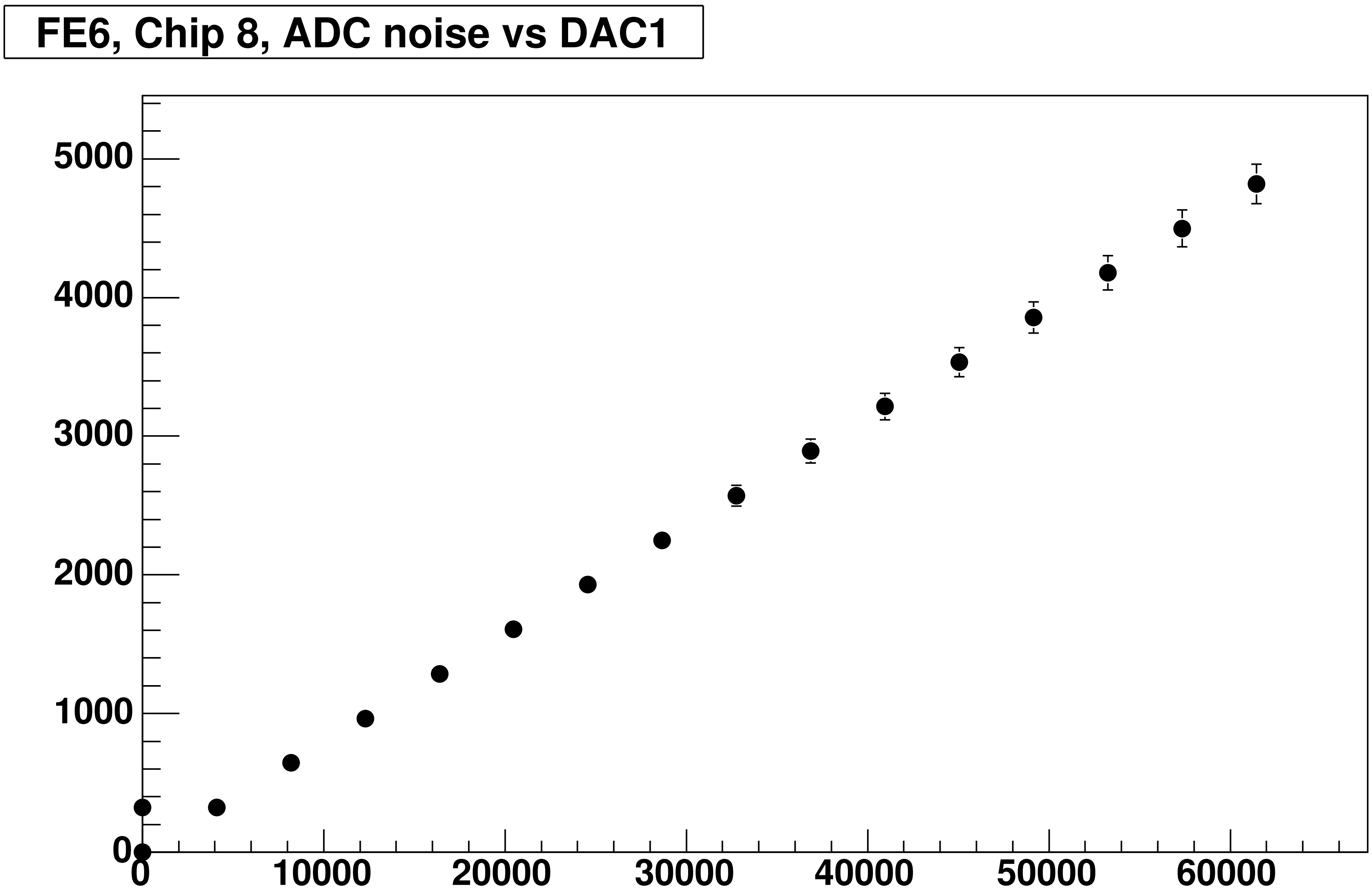

FE6, Chip 7, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

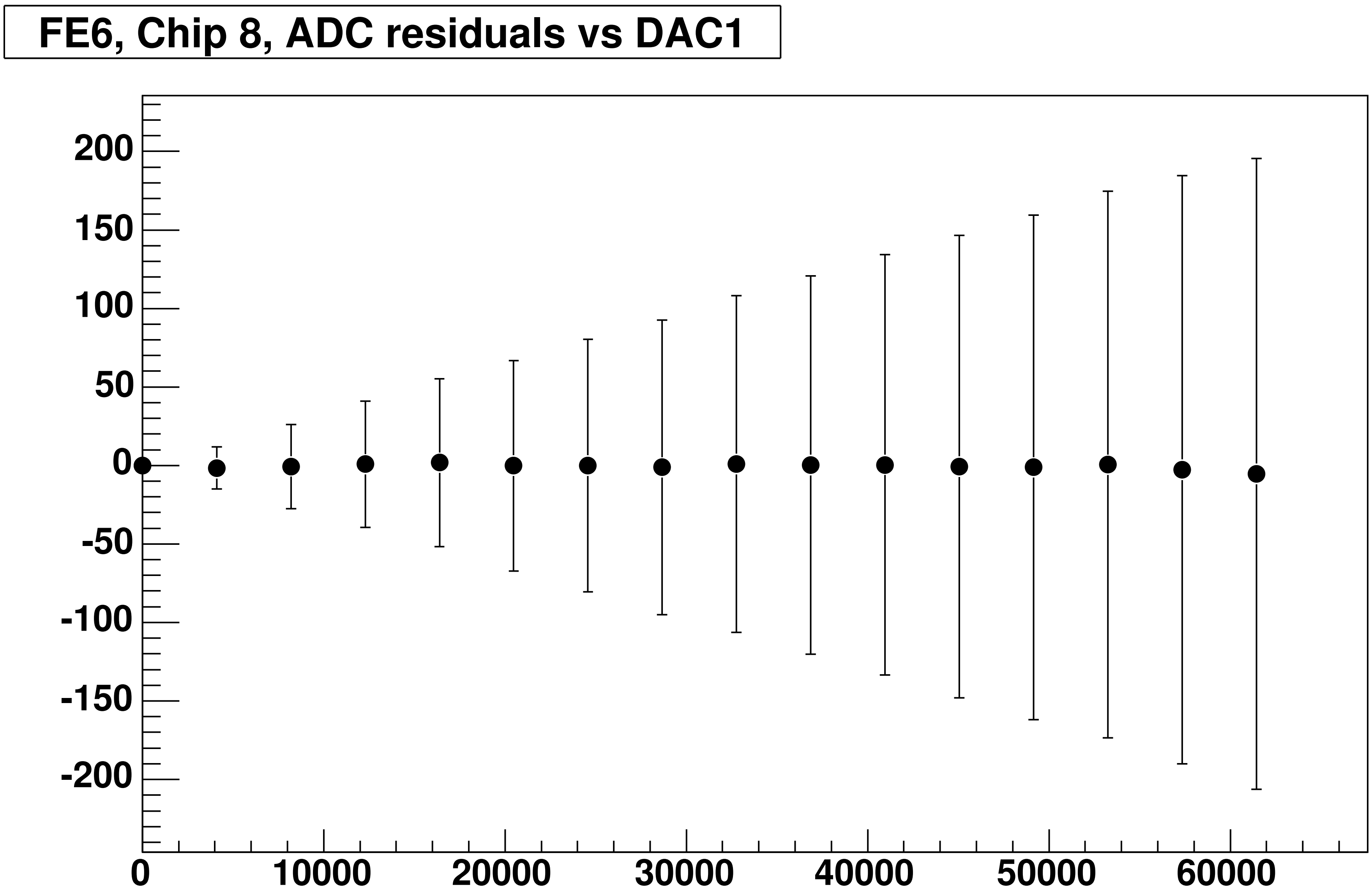

FE6, Chip 8, ADC mean vs DAC0
χ^2 / ndf 0.0001124 / 11
p0 91.12 ± 41.91
p1 0.01407 ± 0.001889
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

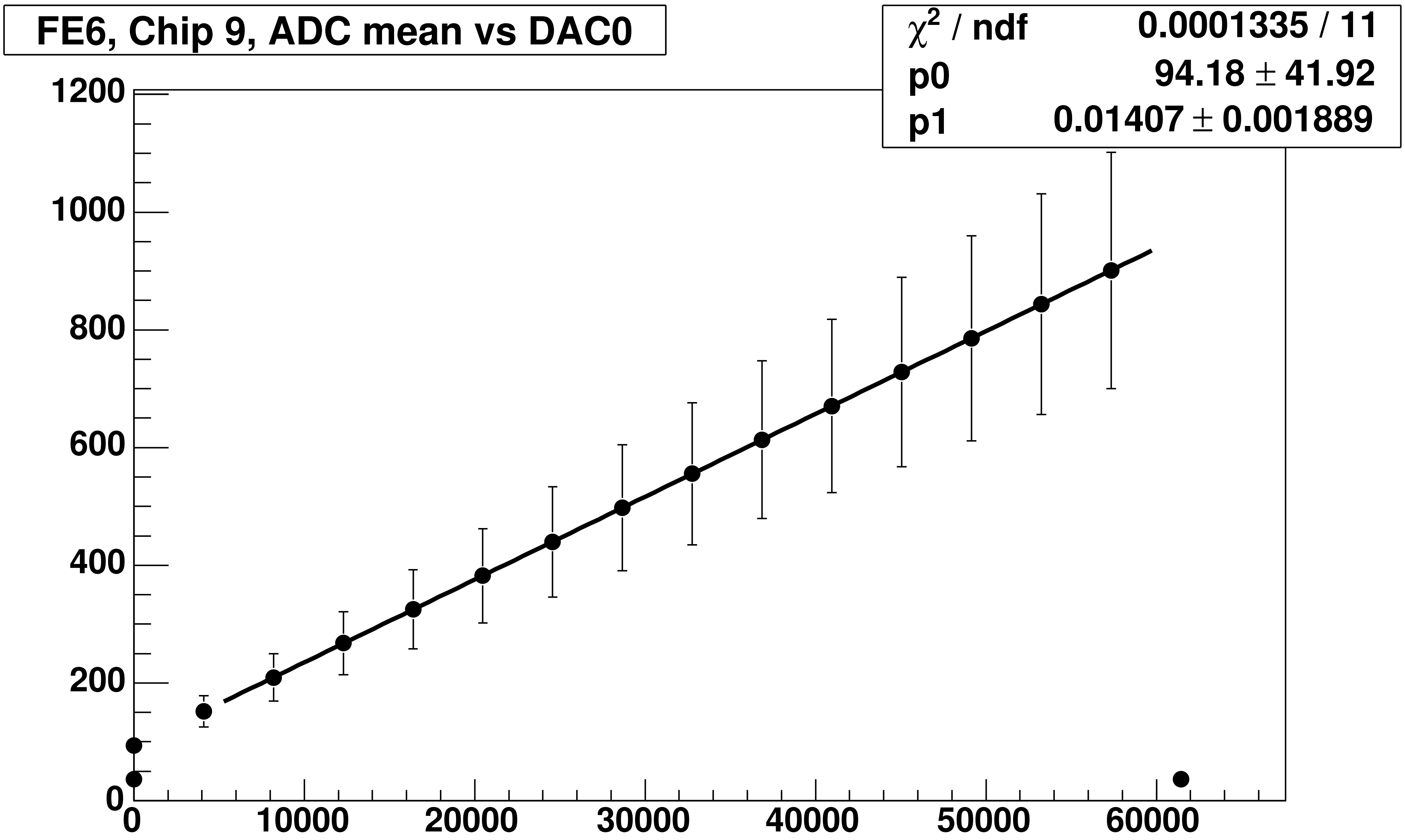

FE6, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

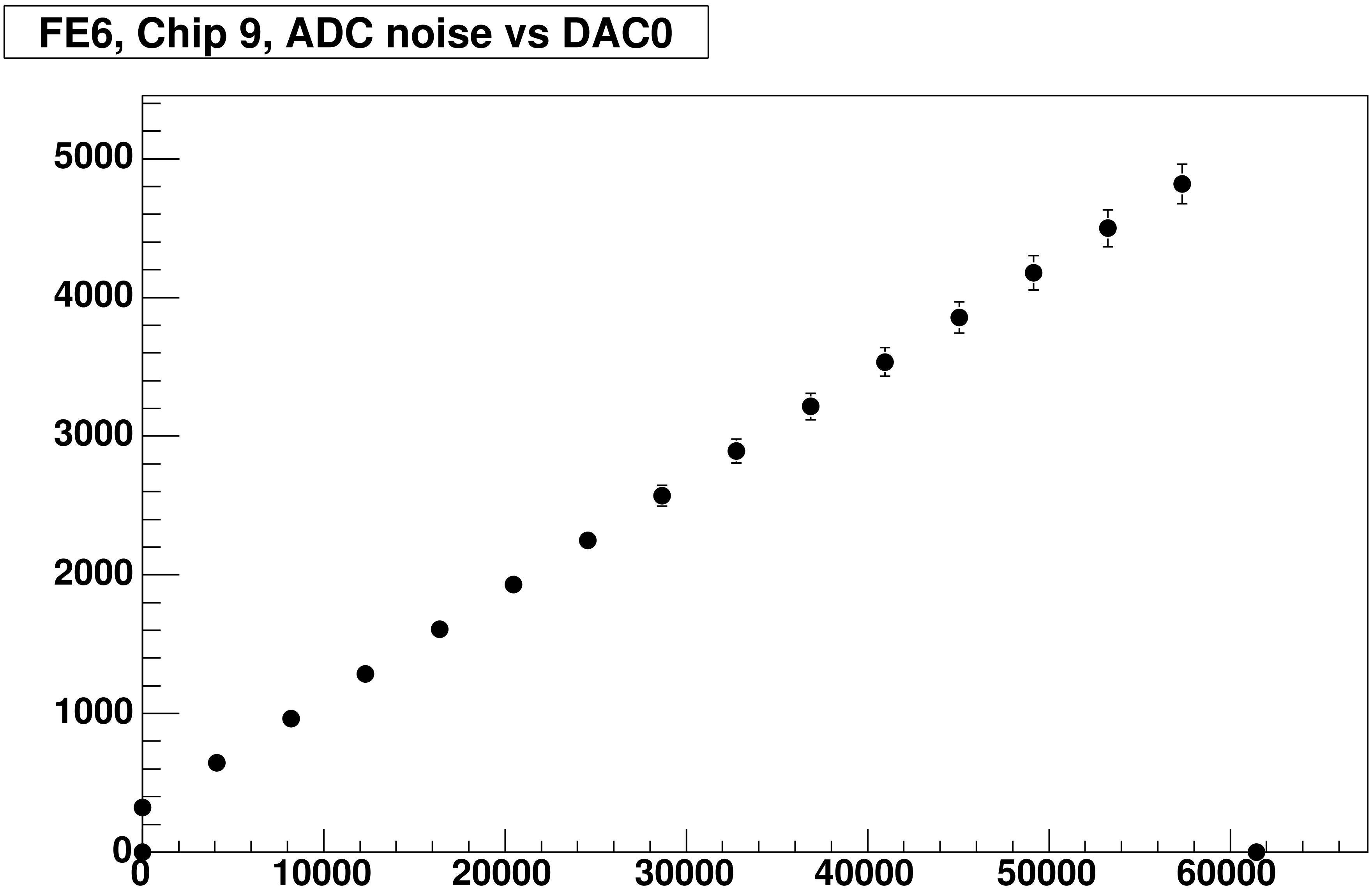

FE6, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.002565 / 11
p0 34.8 ± 31.05
p1 0.4364 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

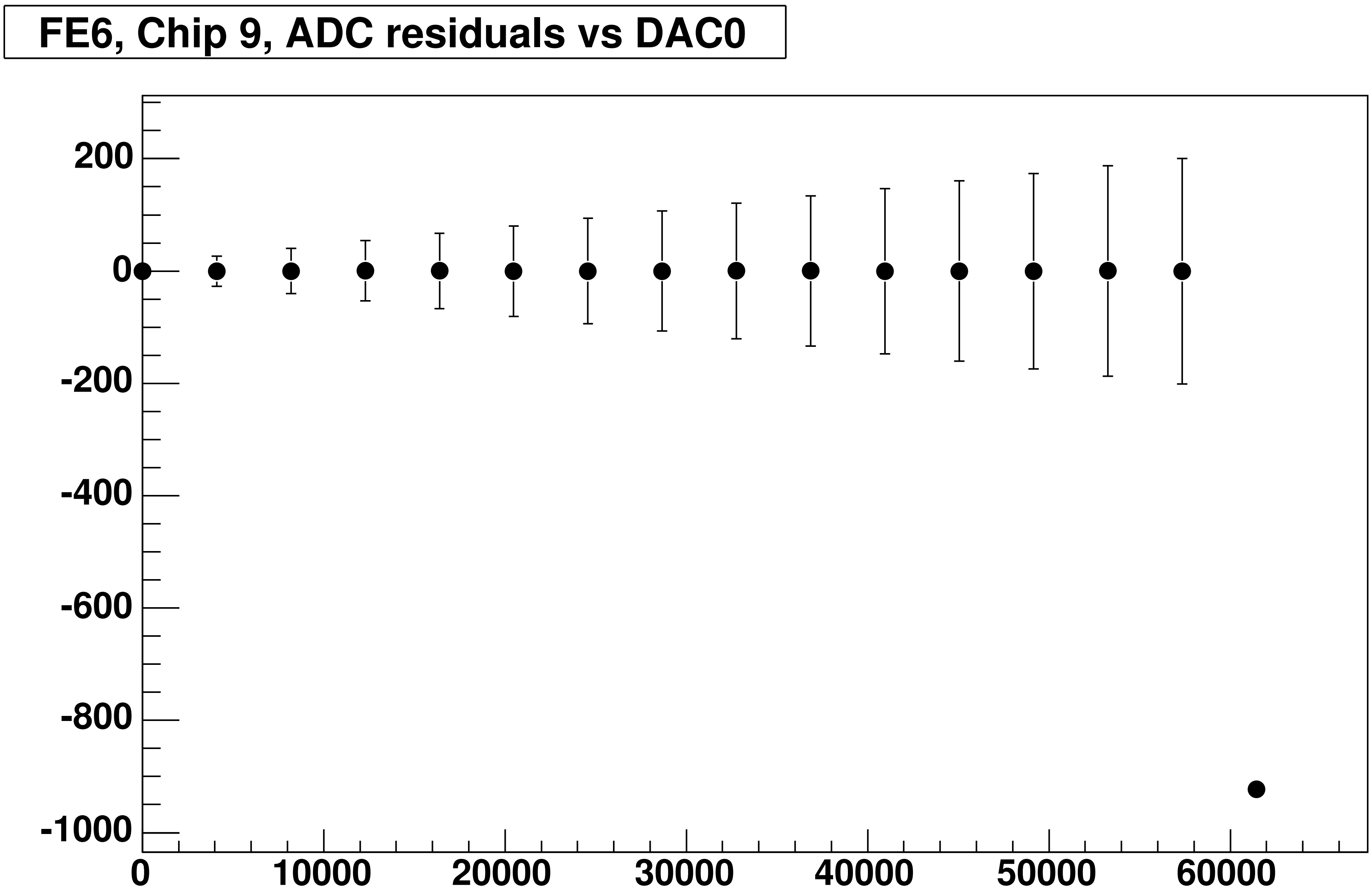

FE6, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

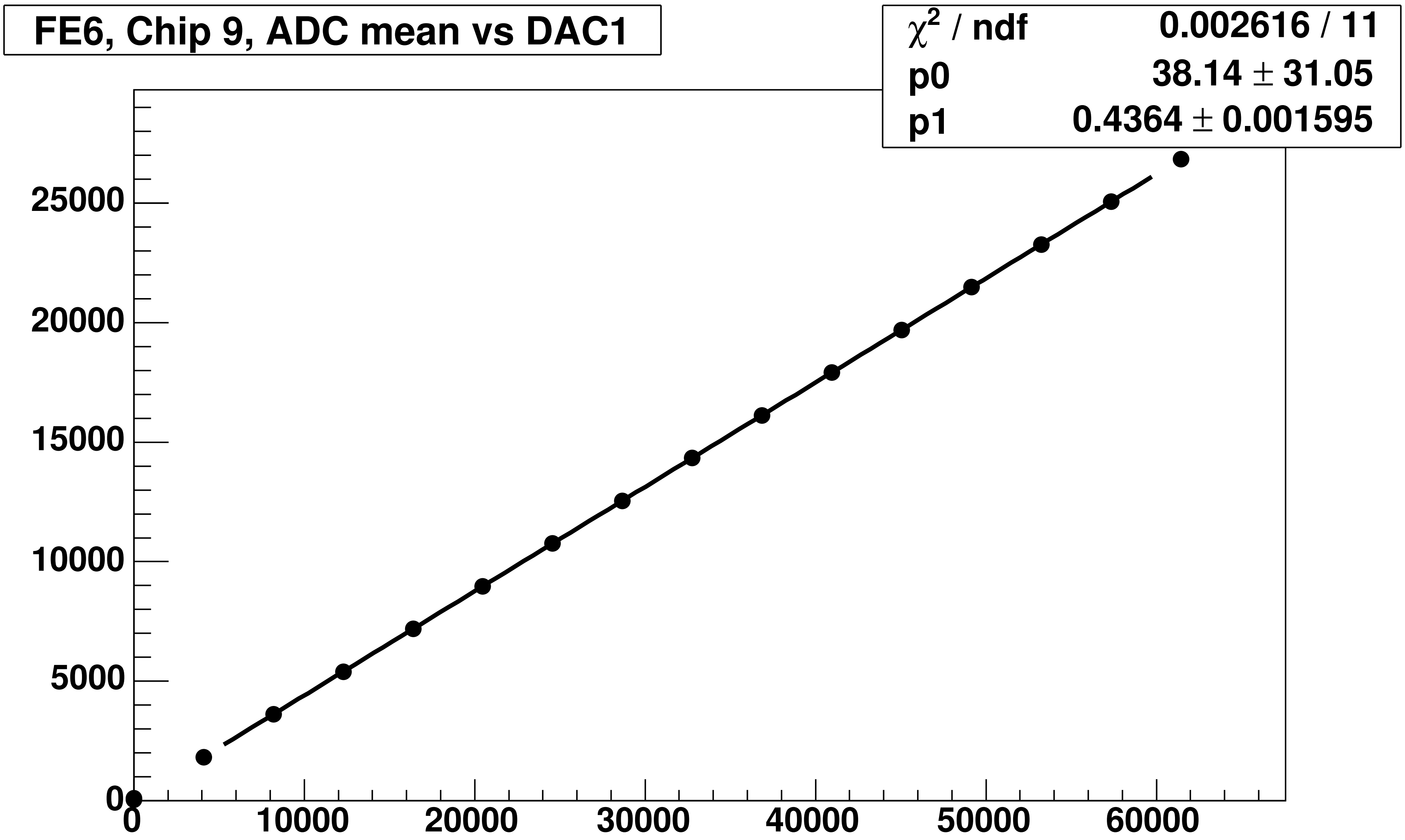

FE6, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

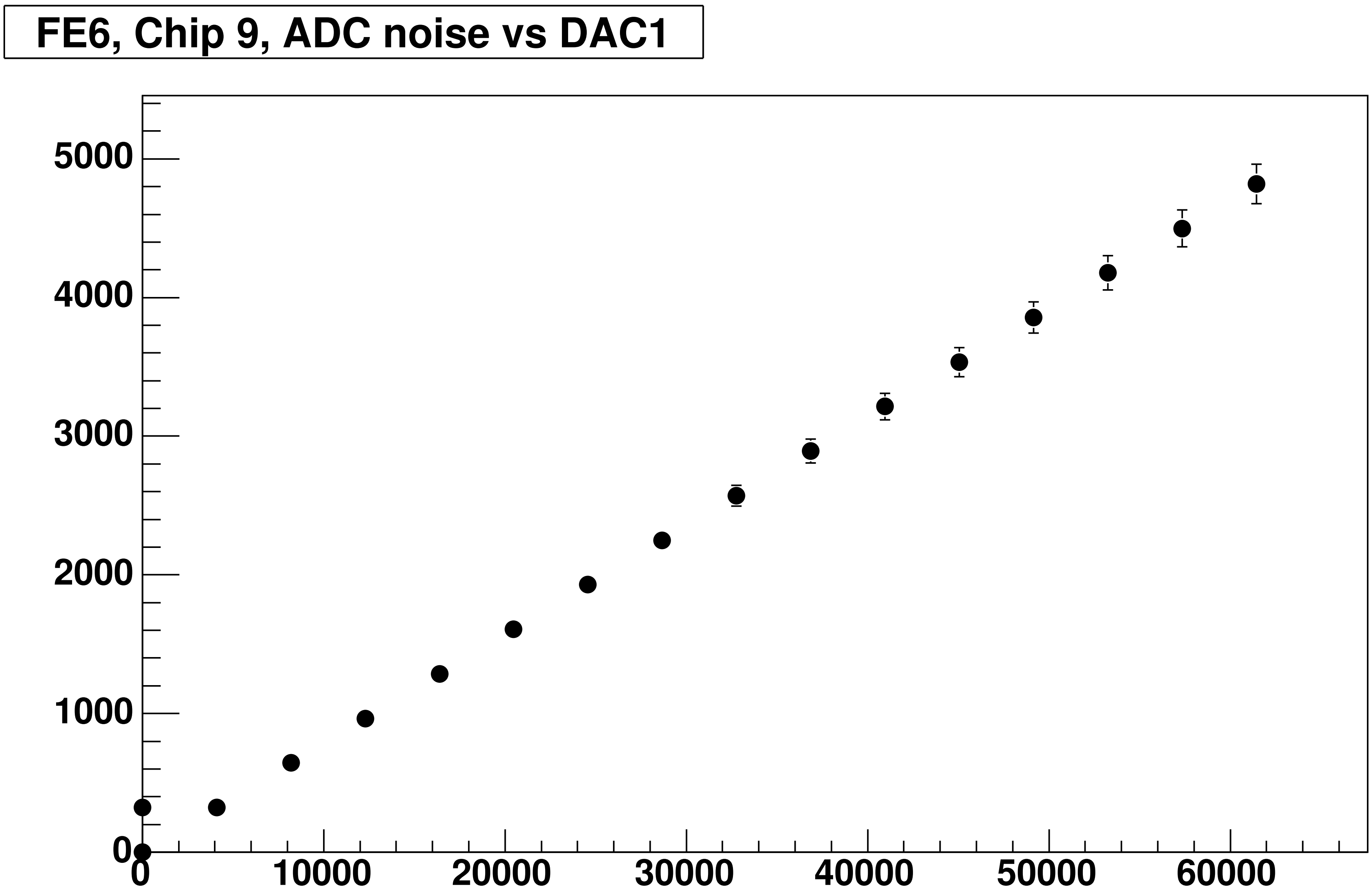


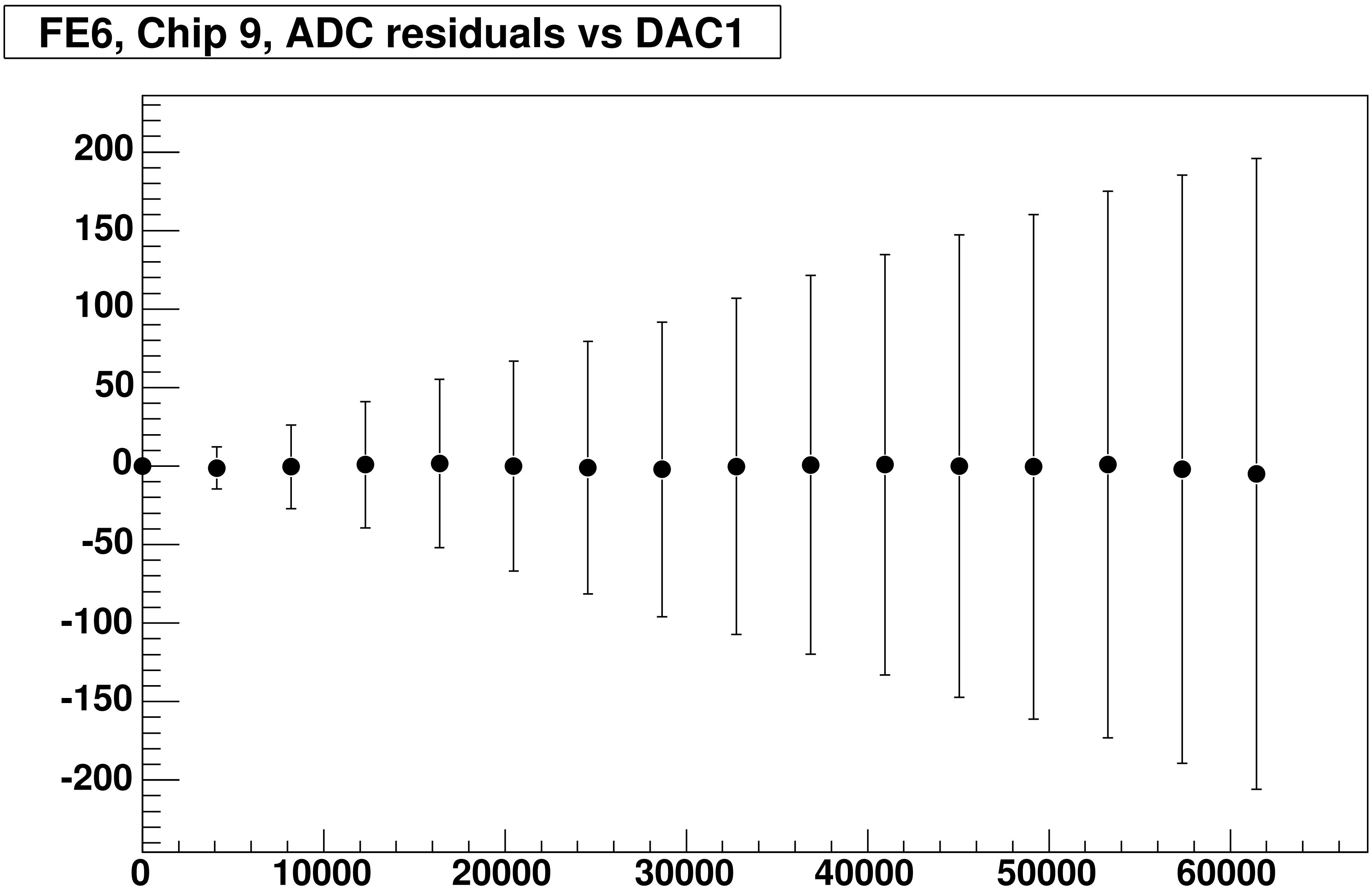
FE6, Chip 9, ADC mean vs DAC0
χ^2 / ndf 0.0001335 / 11
p0 94.18 ± 41.92
p1 0.01407 ± 0.001889
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

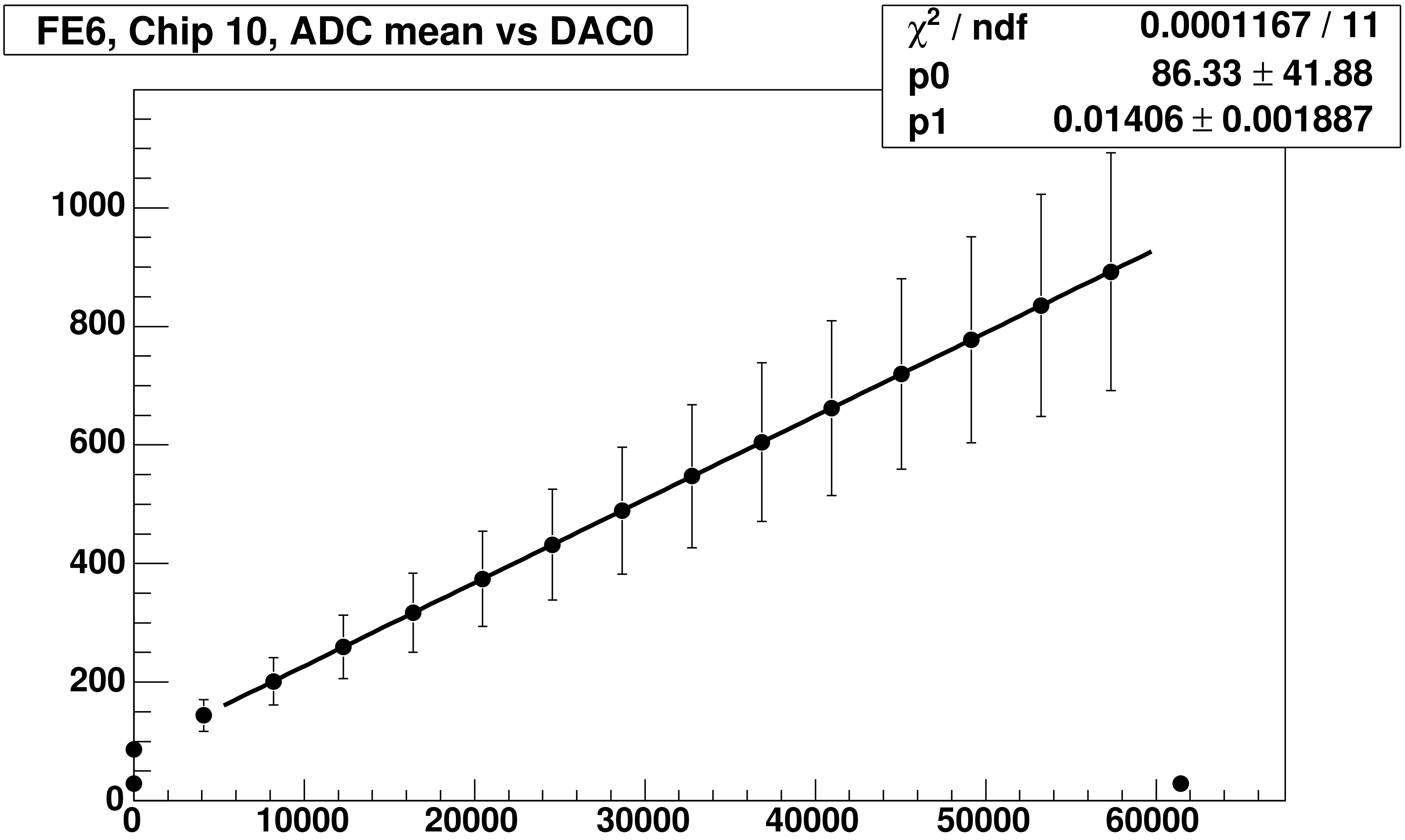

FE6, Chip 9, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

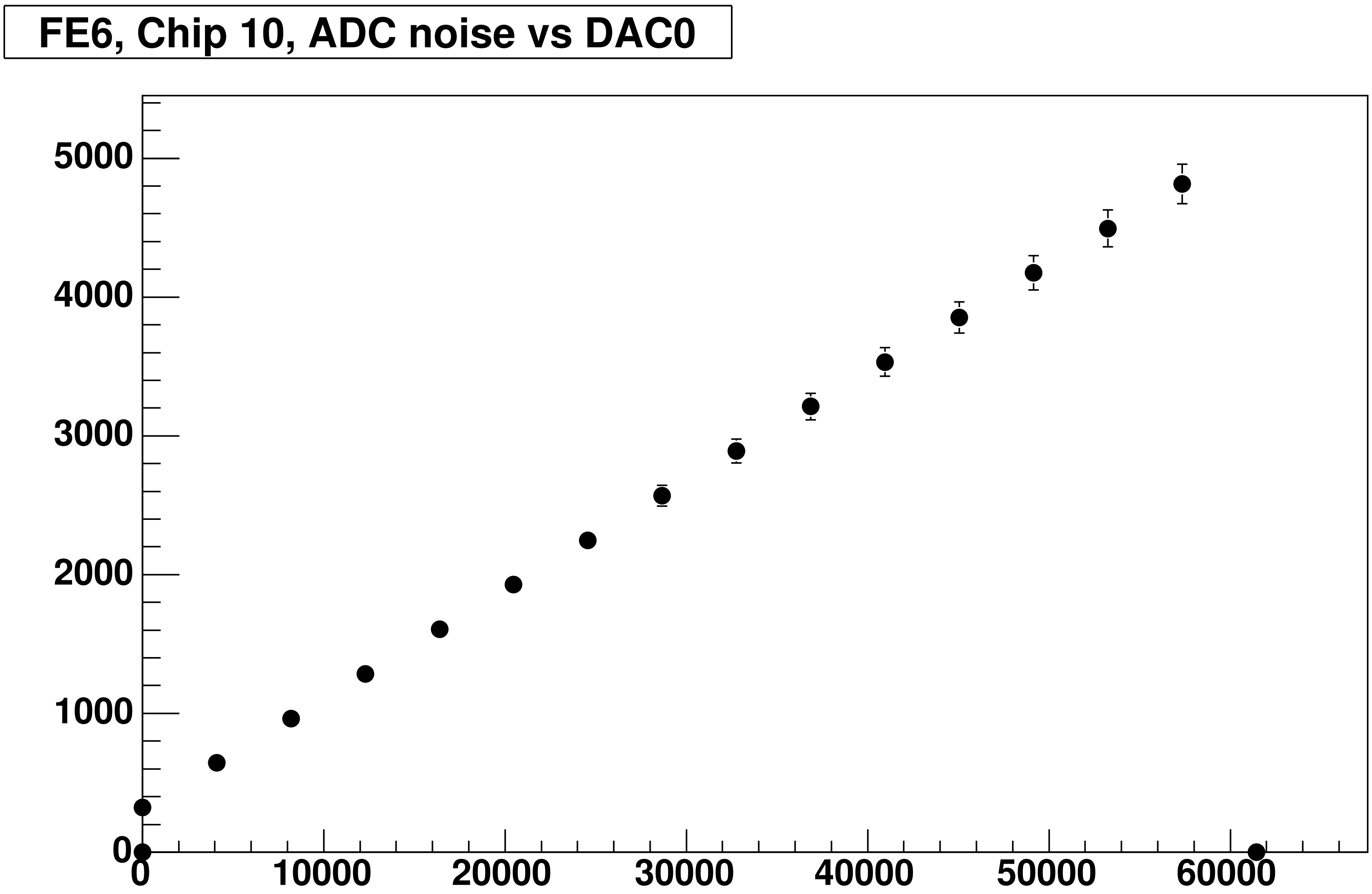

FE6, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

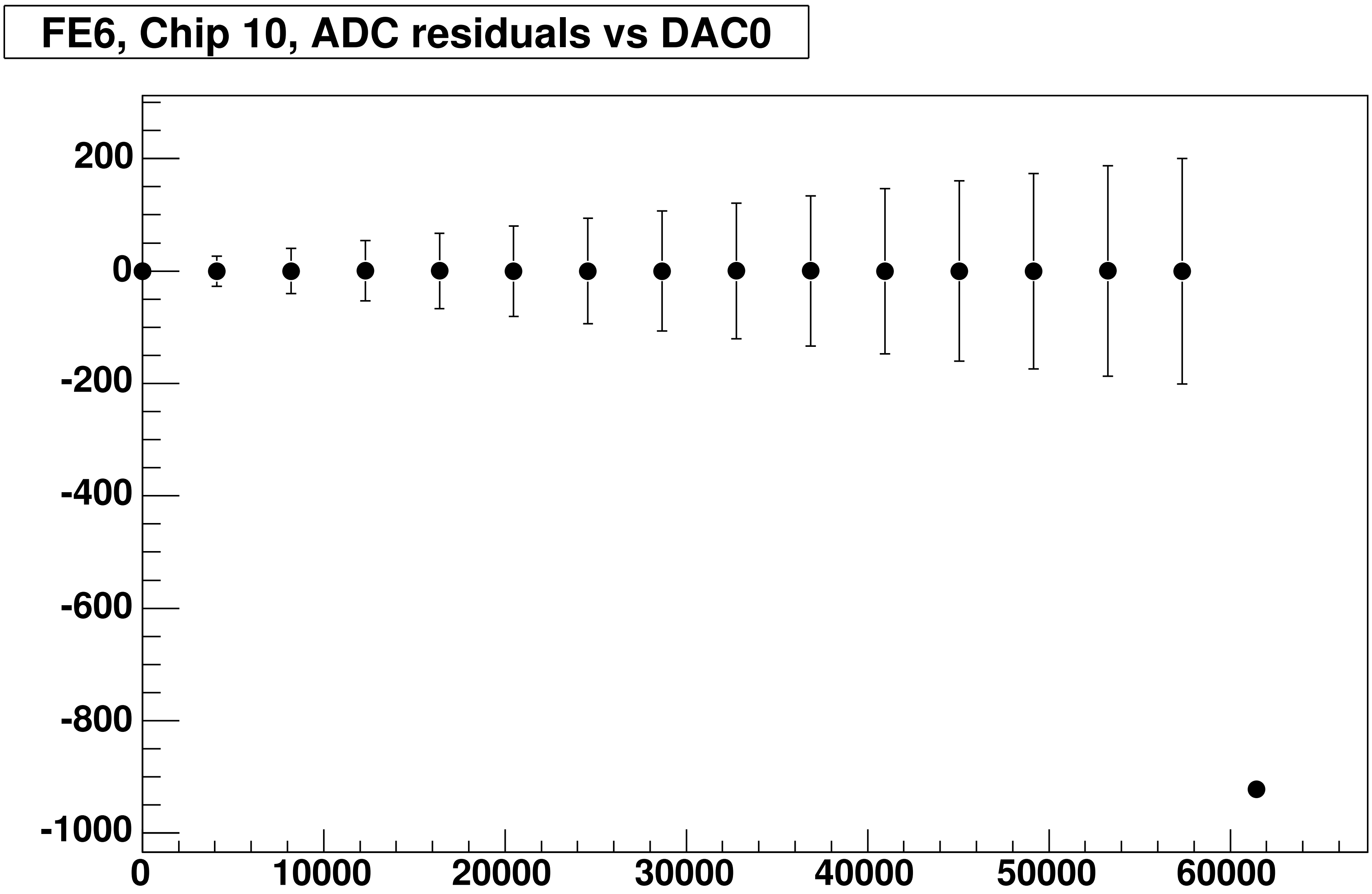

FE6, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.002616 / 11
p0 38.14 ± 31.05
p1 0.4364 ± 0.001595
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

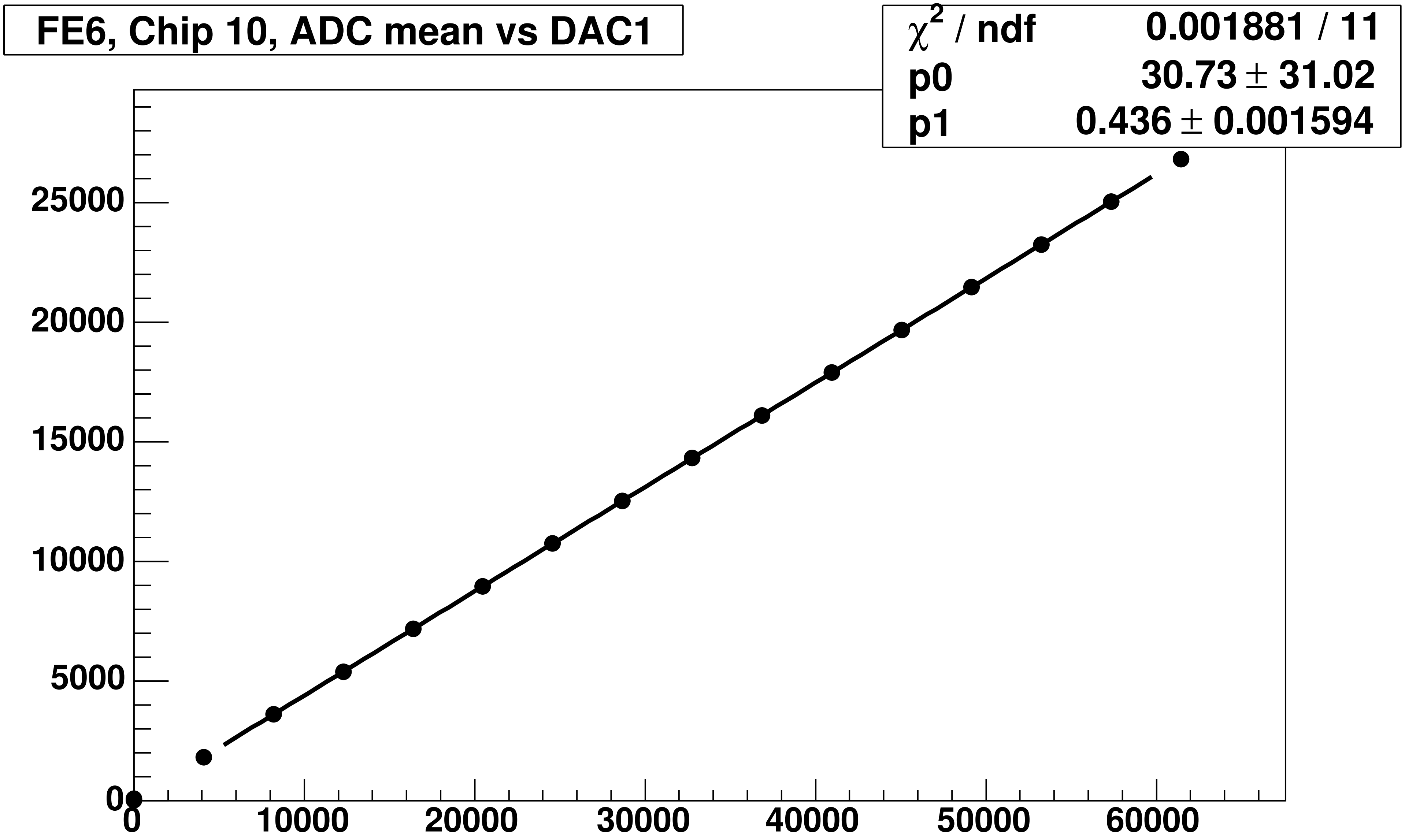

FE6, Chip 9, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

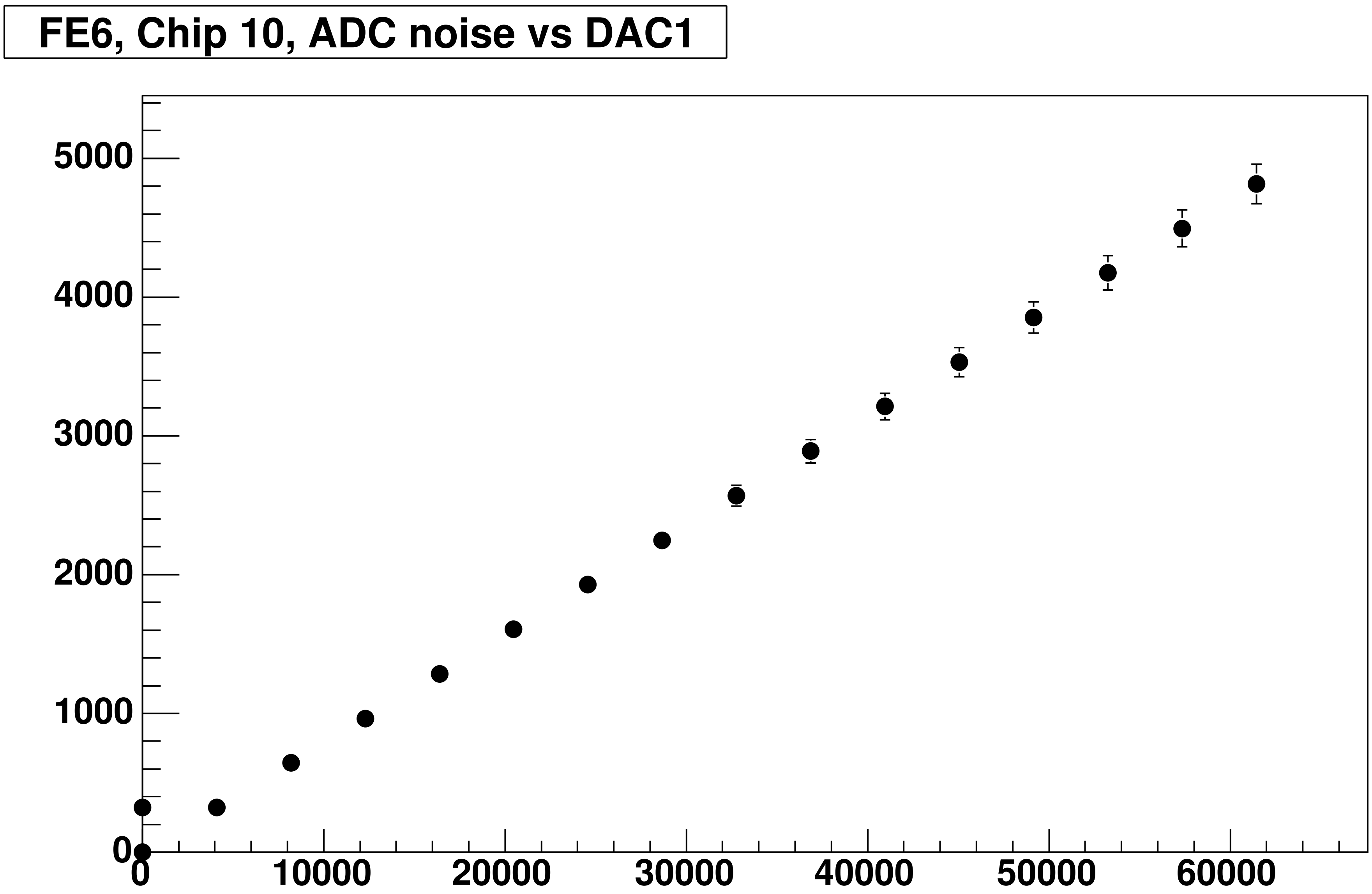

FE6, Chip 9, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

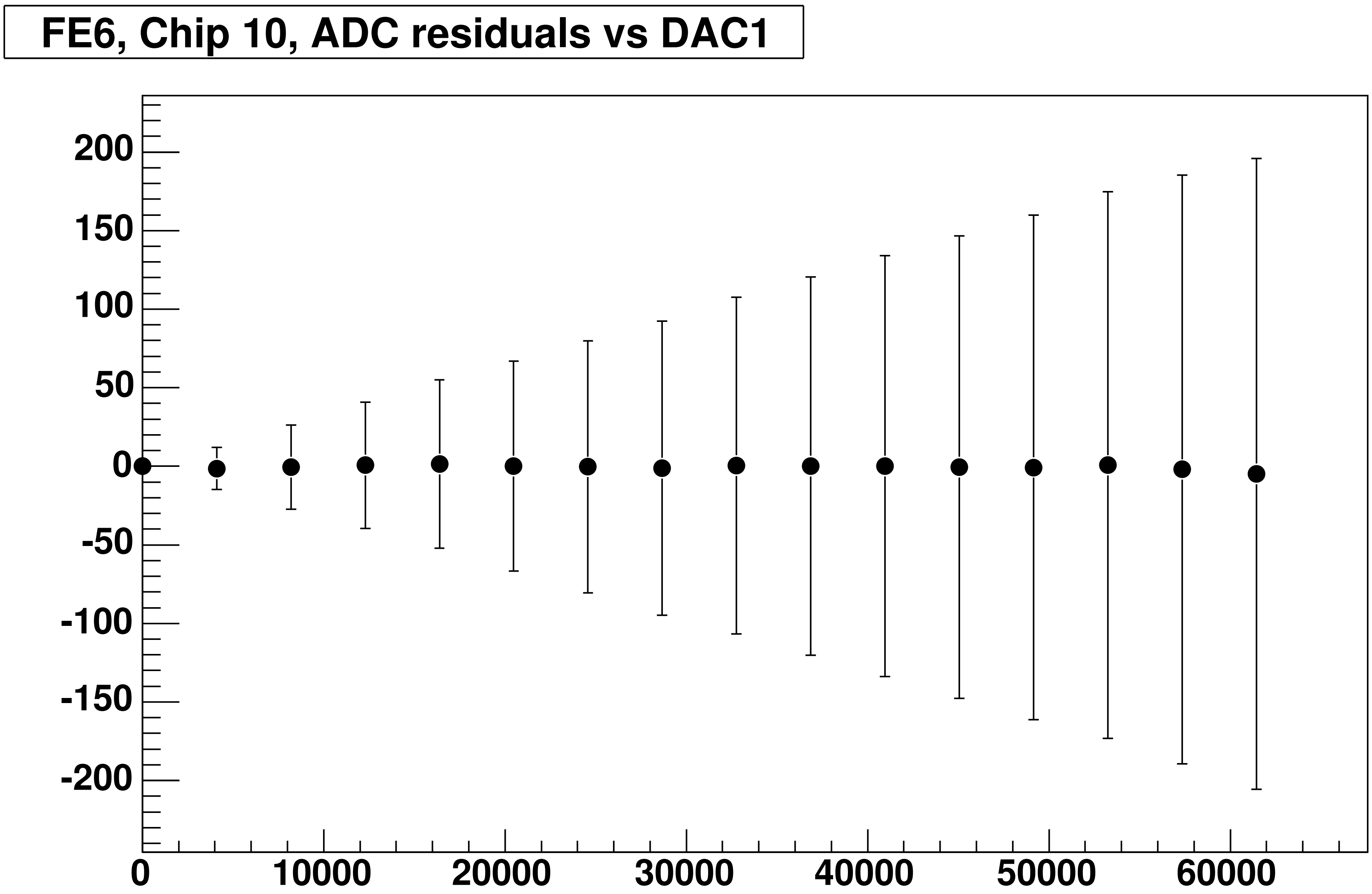

FE6, Chip 10, ADC mean vs DAC0
χ^2 / ndf 0.0001167 / 11
p0 86.33 ± 41.88
p1 0.01406 ± 0.001887
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

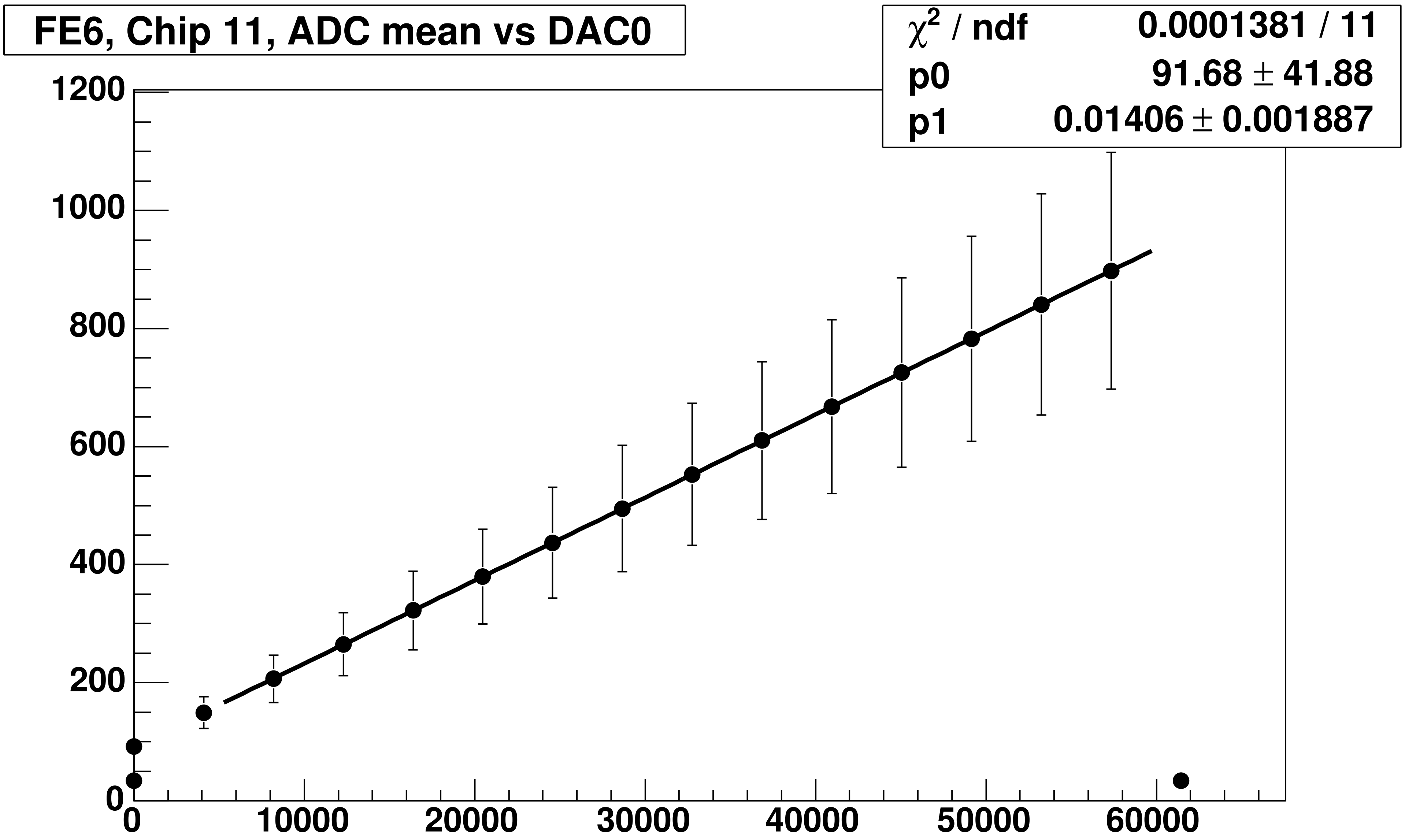

FE6, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

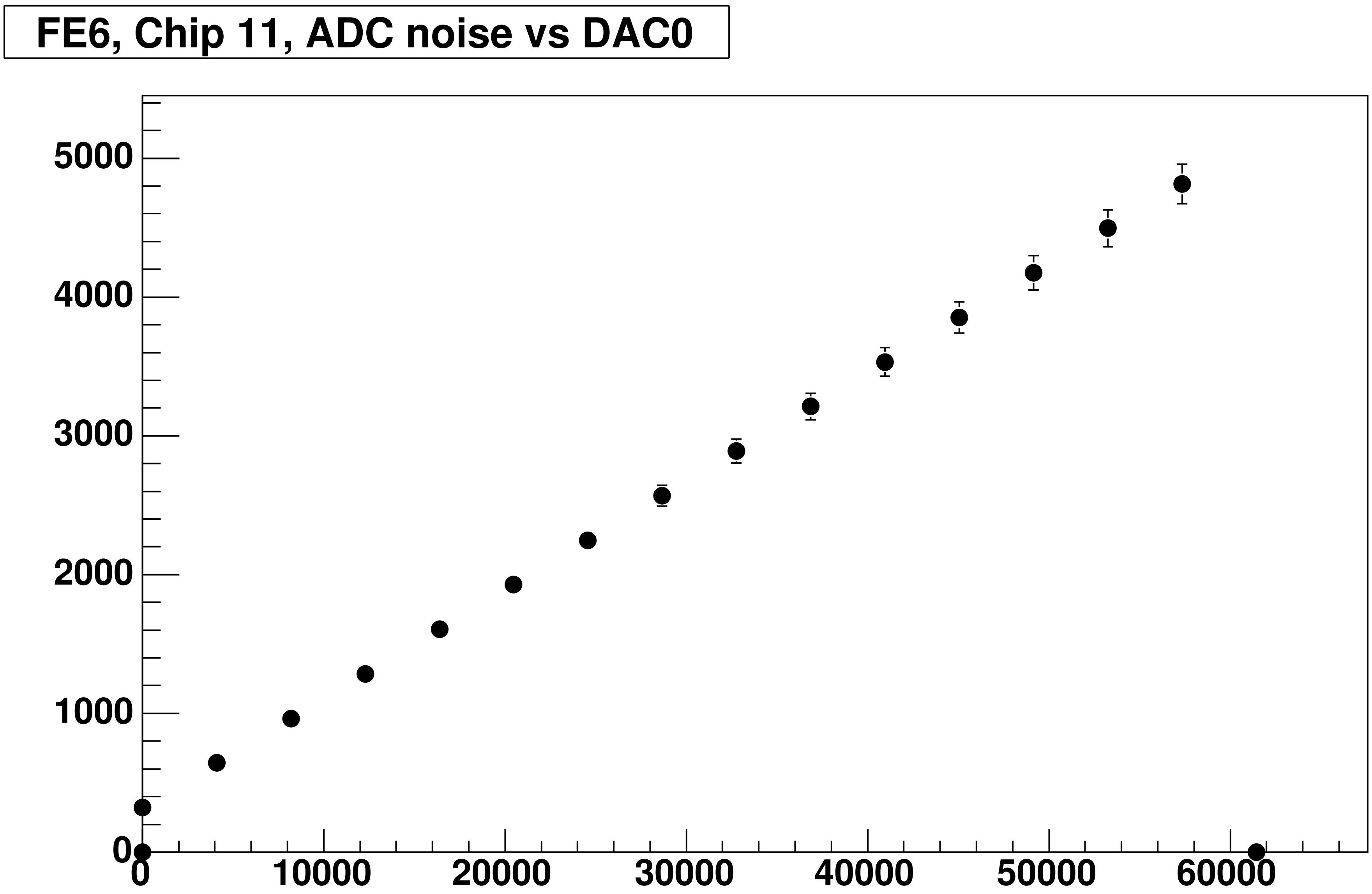

FE6, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

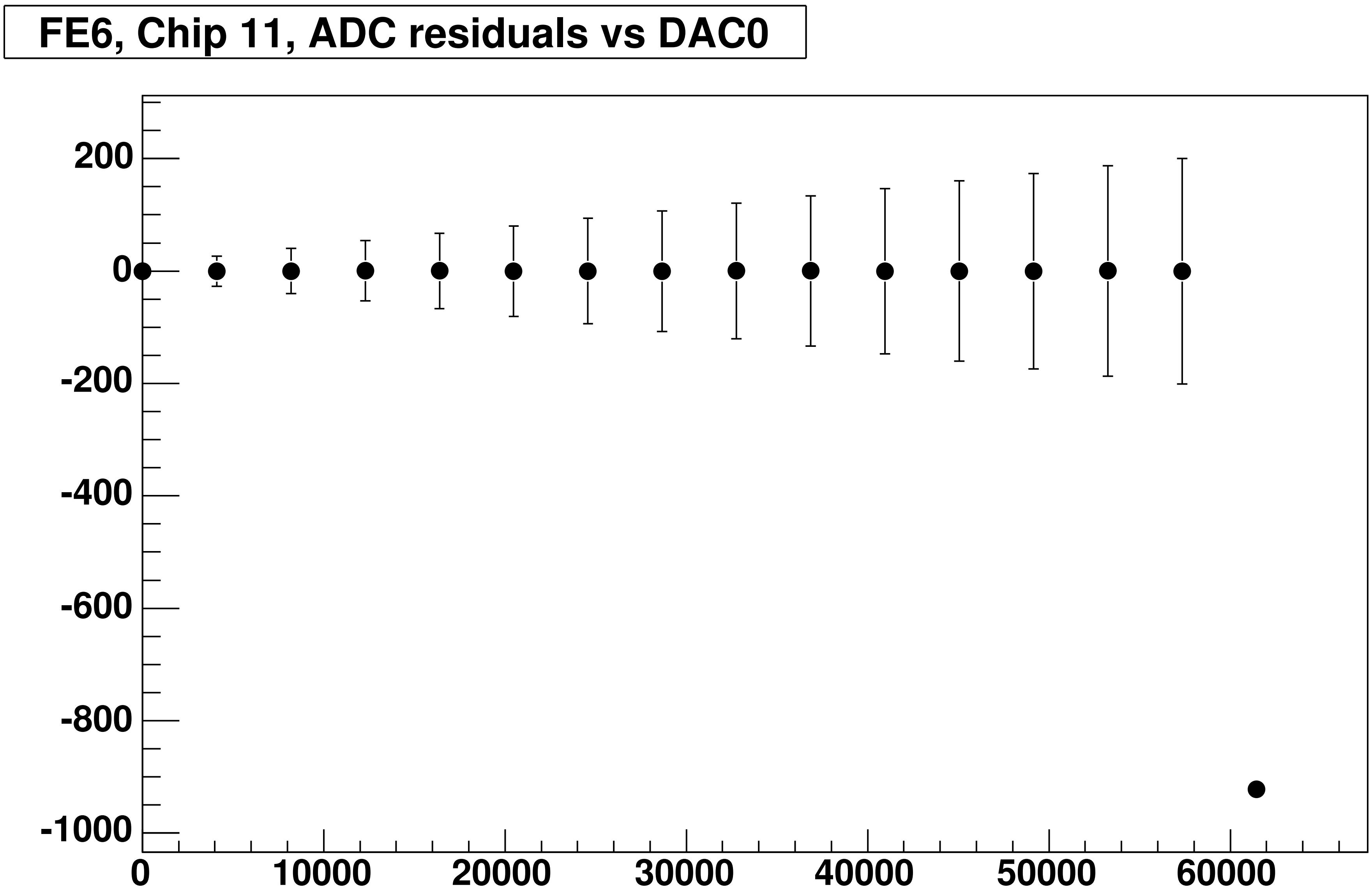

FE6, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.001881 / 11
p0 30.73 ± 31.02
p1 0.436 ± 0.001594
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

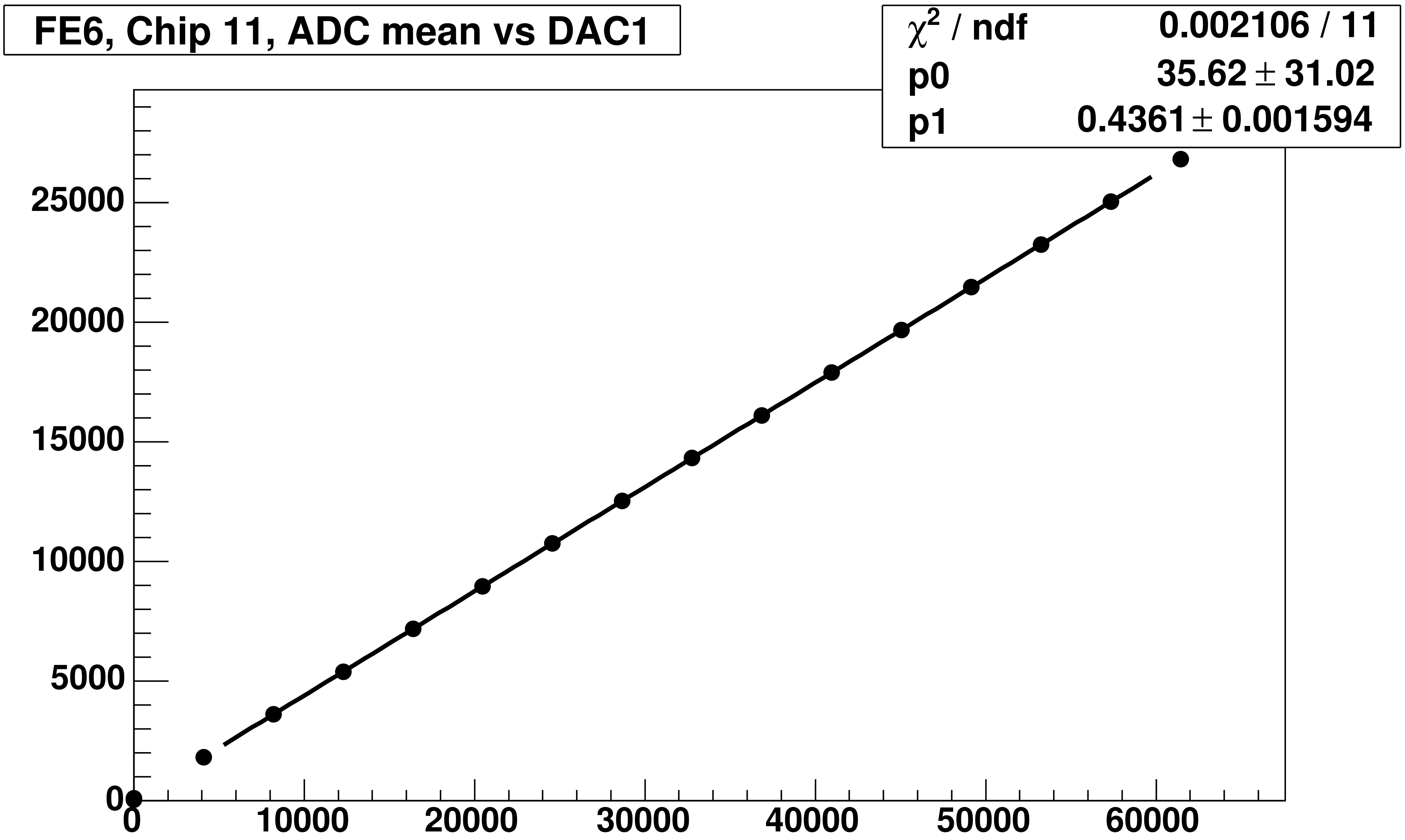

FE6, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE6, Chip 11, ADC mean vs DAC0
χ^2 / ndf 0.0001381 / 11
p0 91.68 ± 41.88
p1 0.01406 ± 0.001887
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000


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

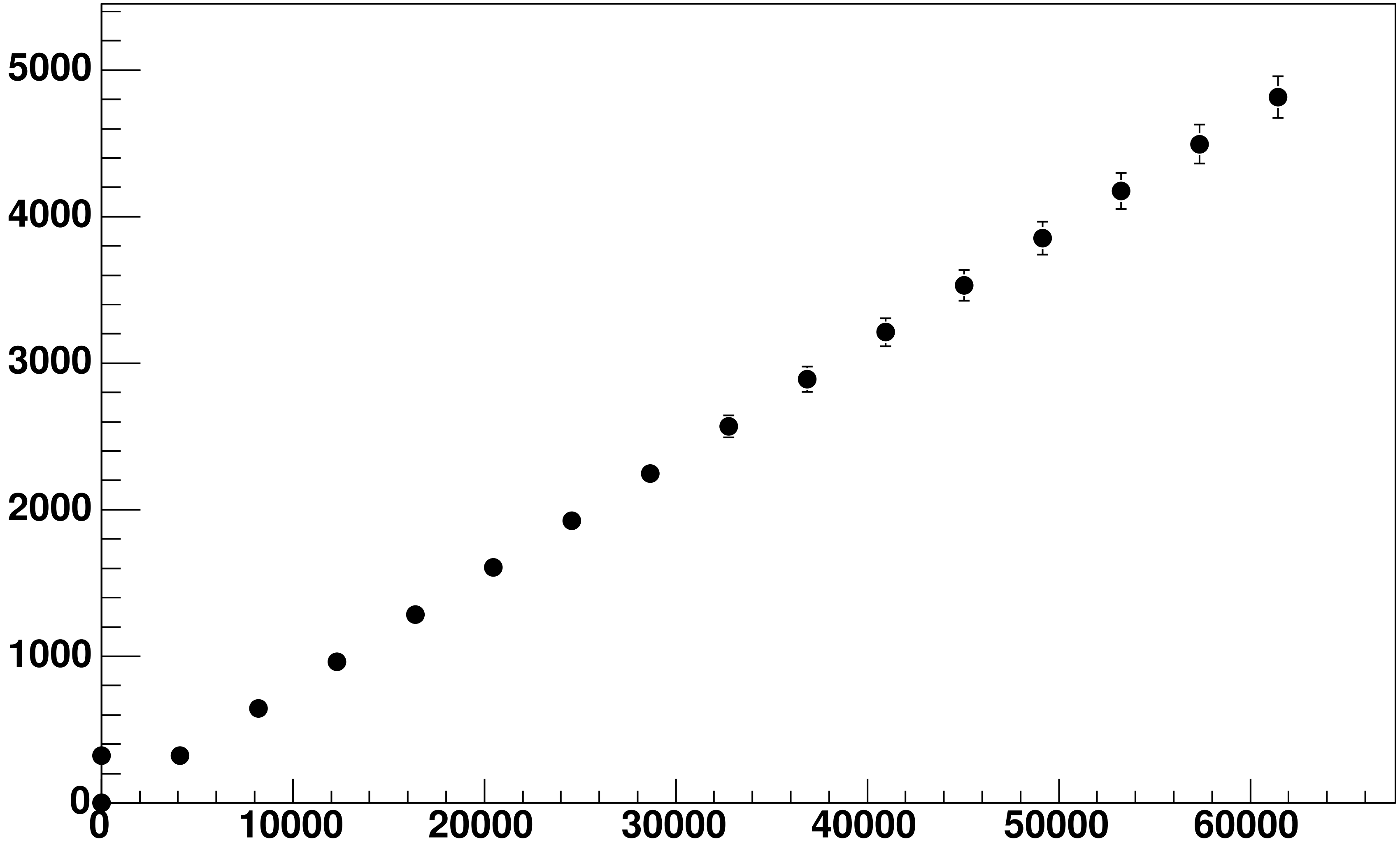


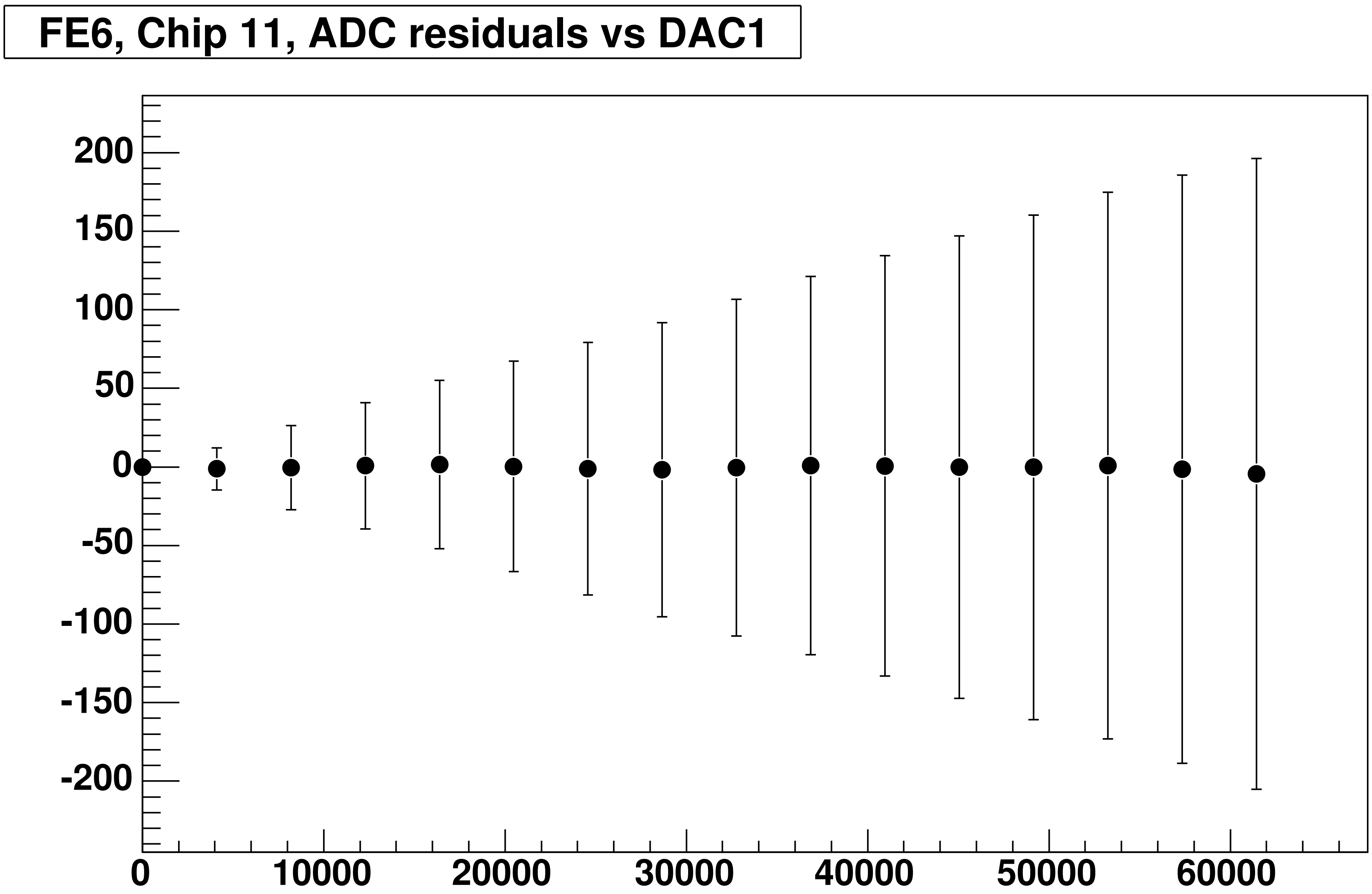
FE6, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

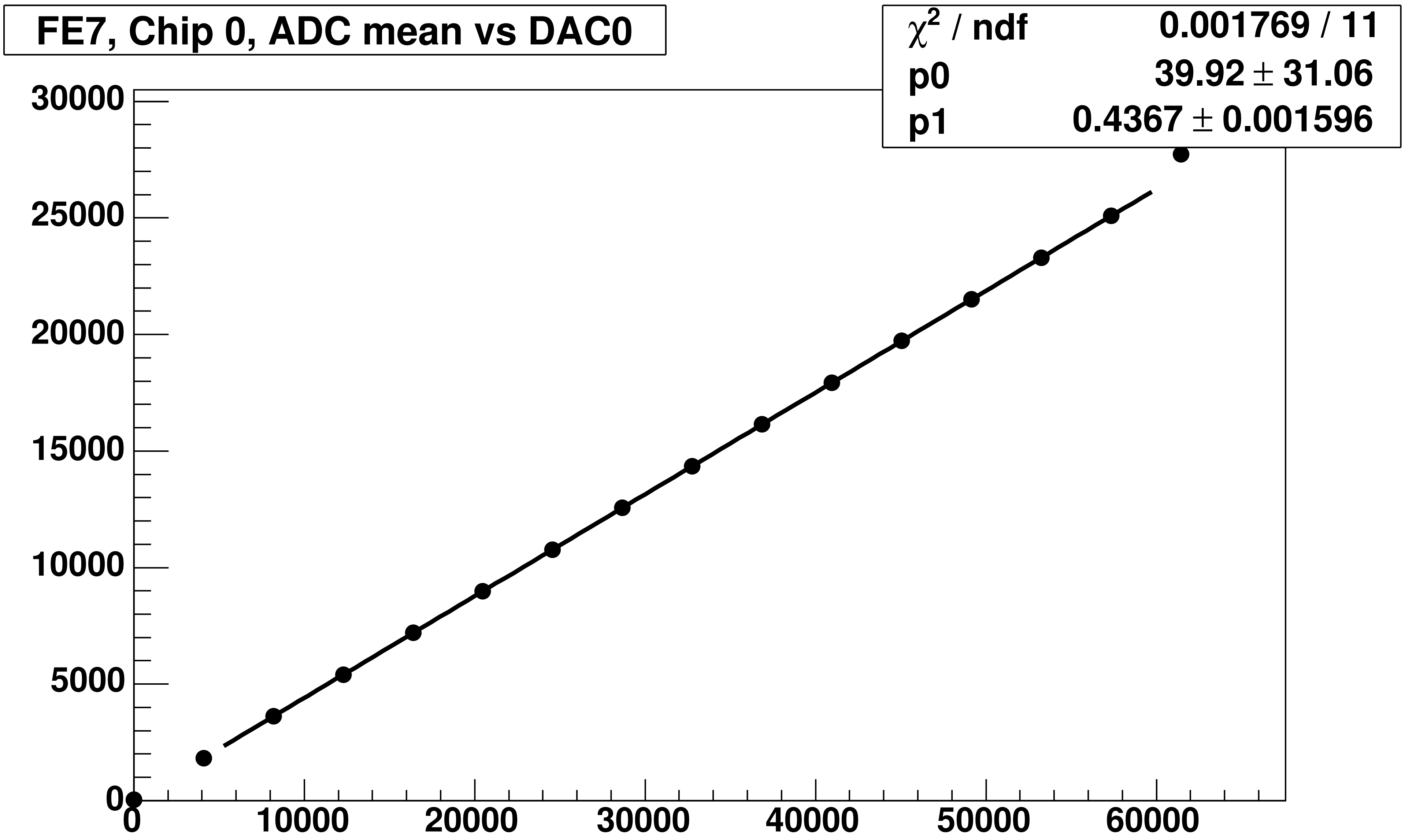


FE6, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.002106 / 11
p0 35.62 ± 31.02
p1 0.4361 ± 0.001594
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

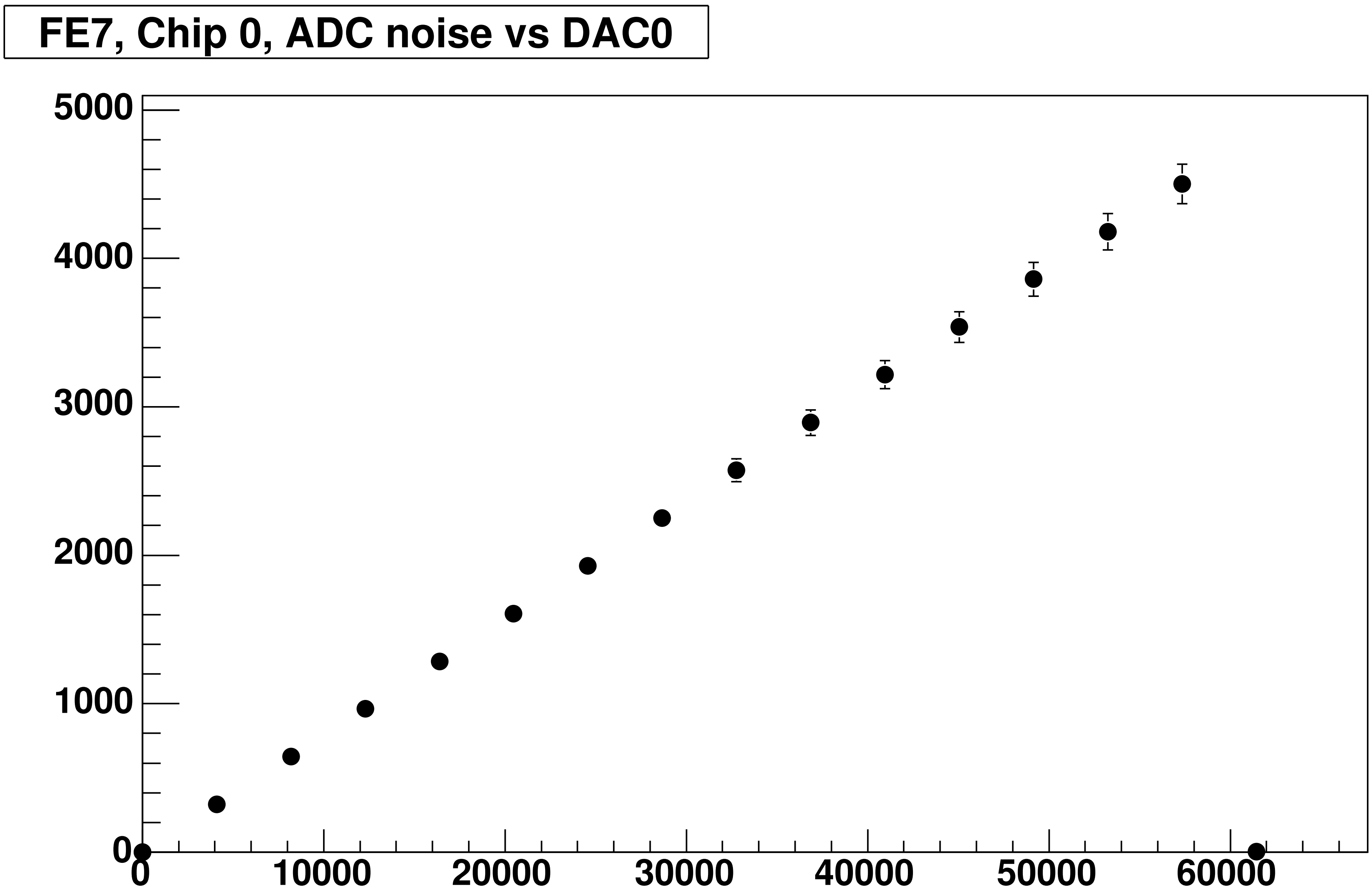
FE6, Chip 11, ADC noise vs DAC1

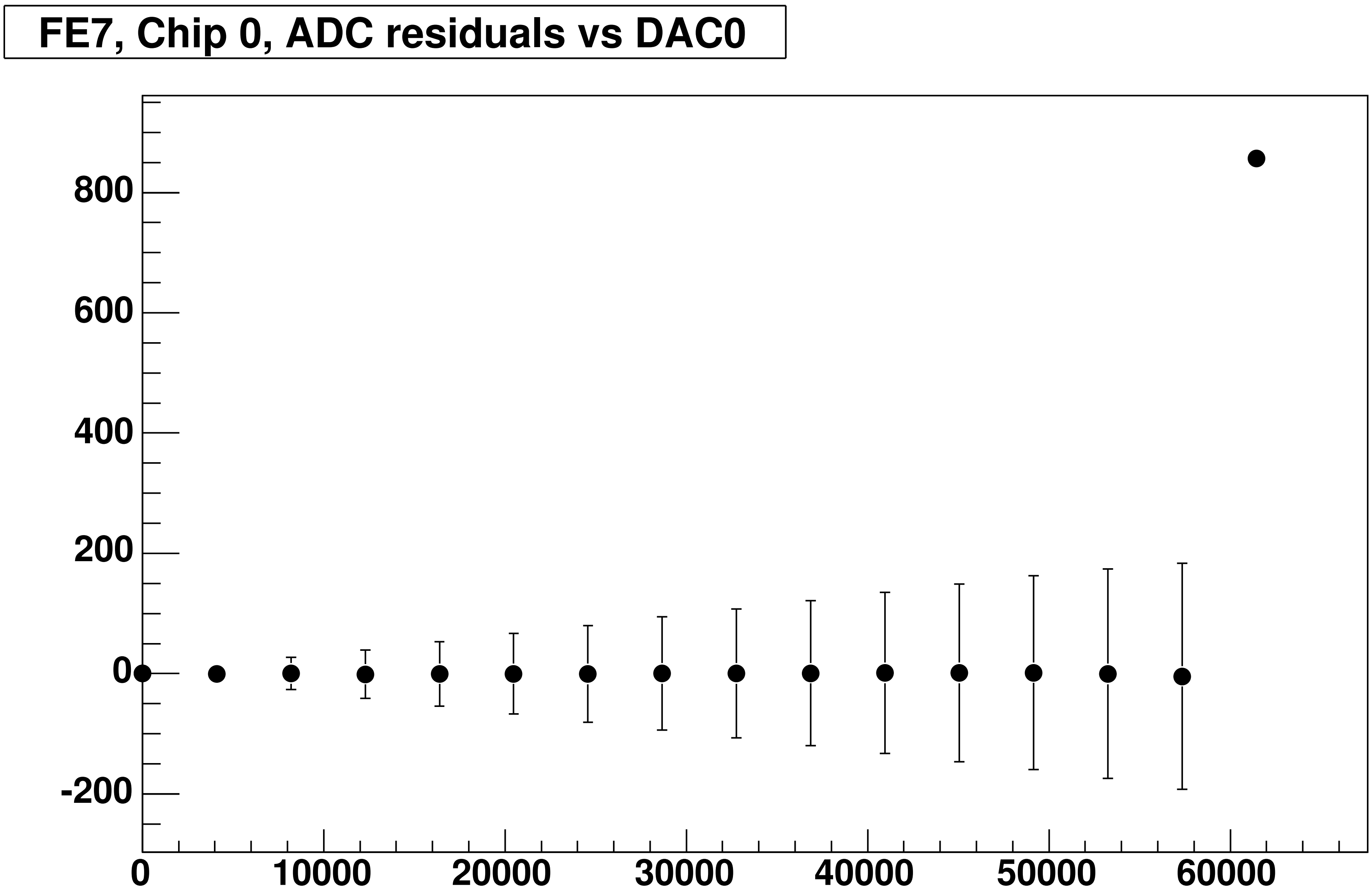


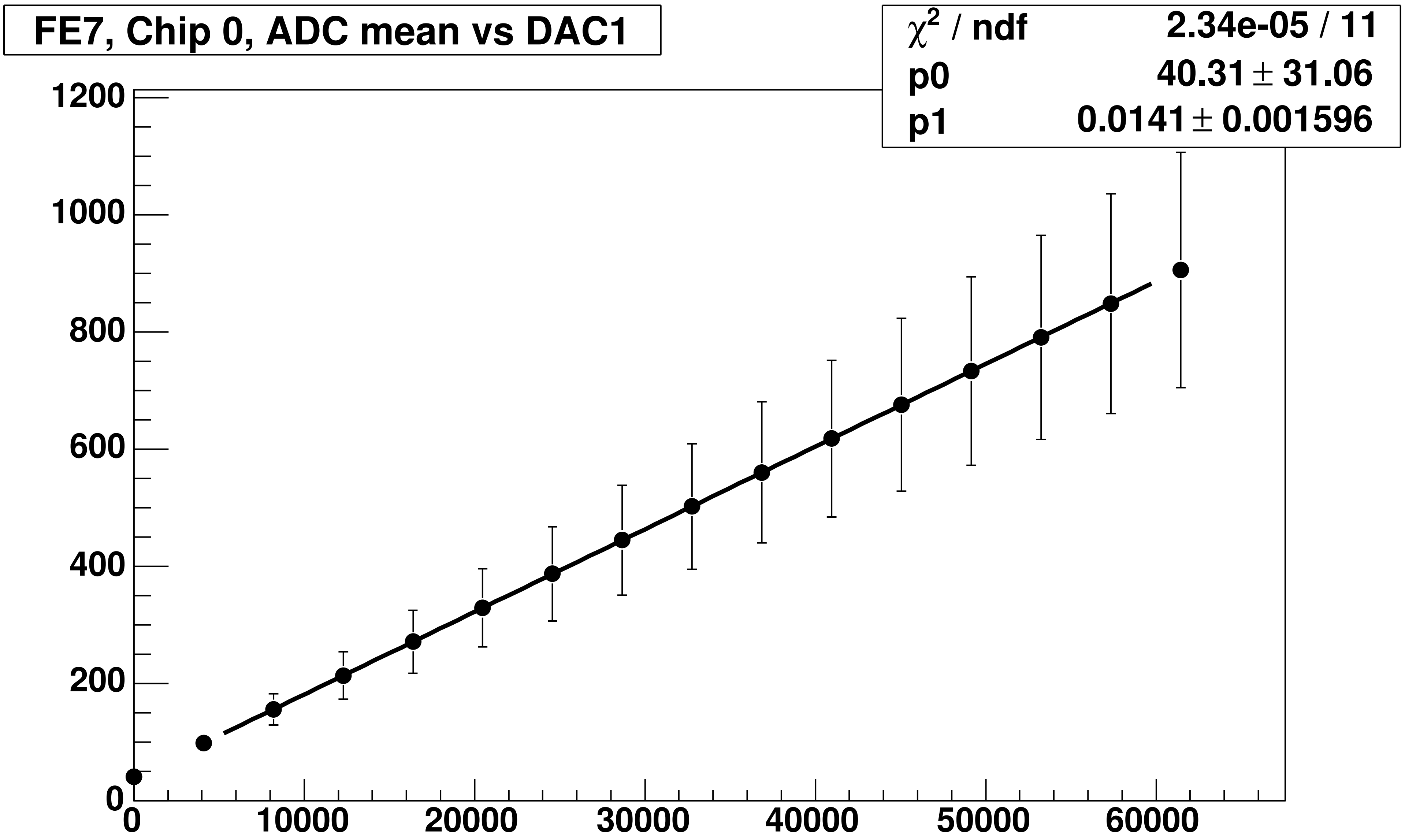

FE6, Chip 11, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

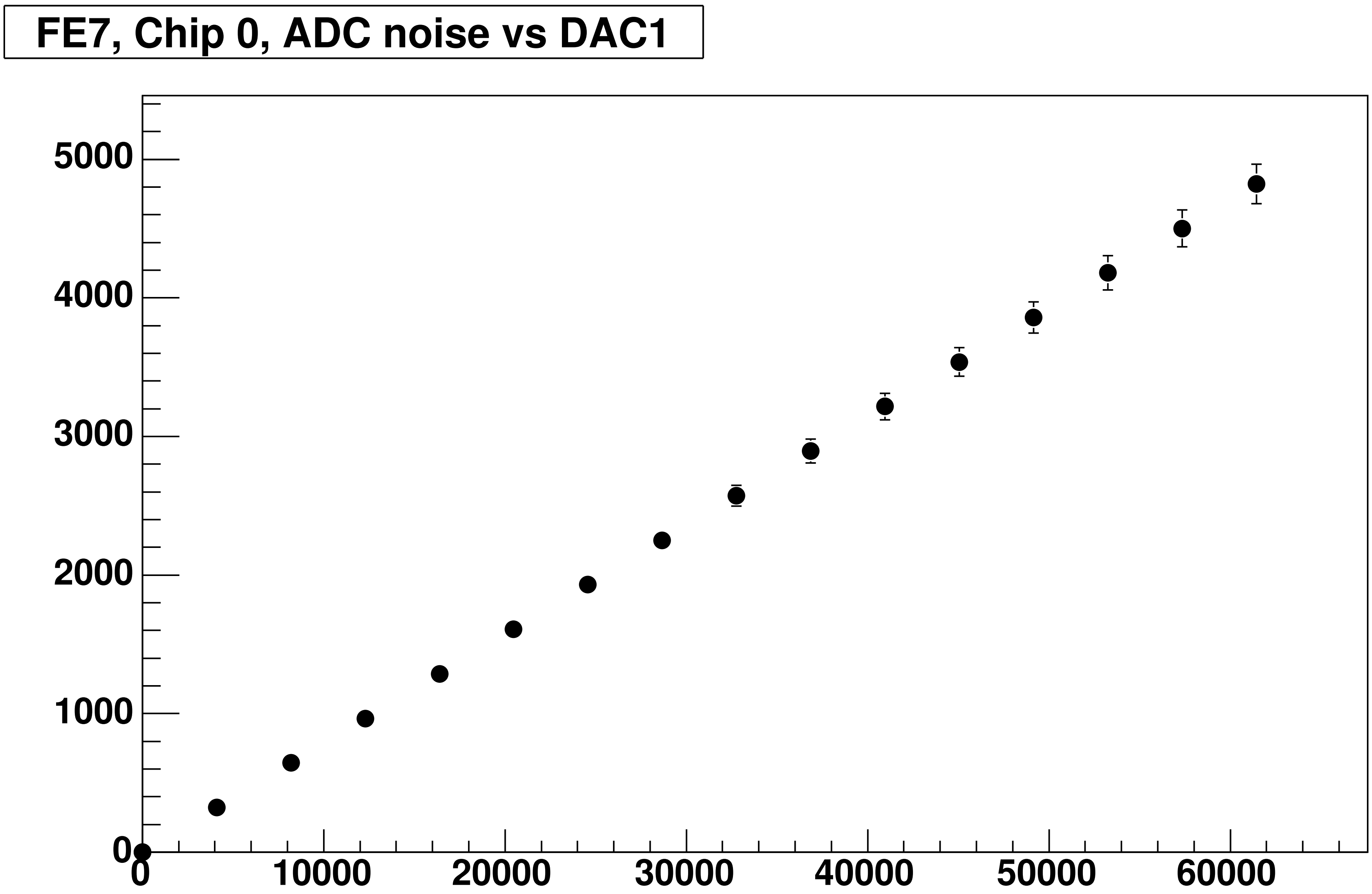


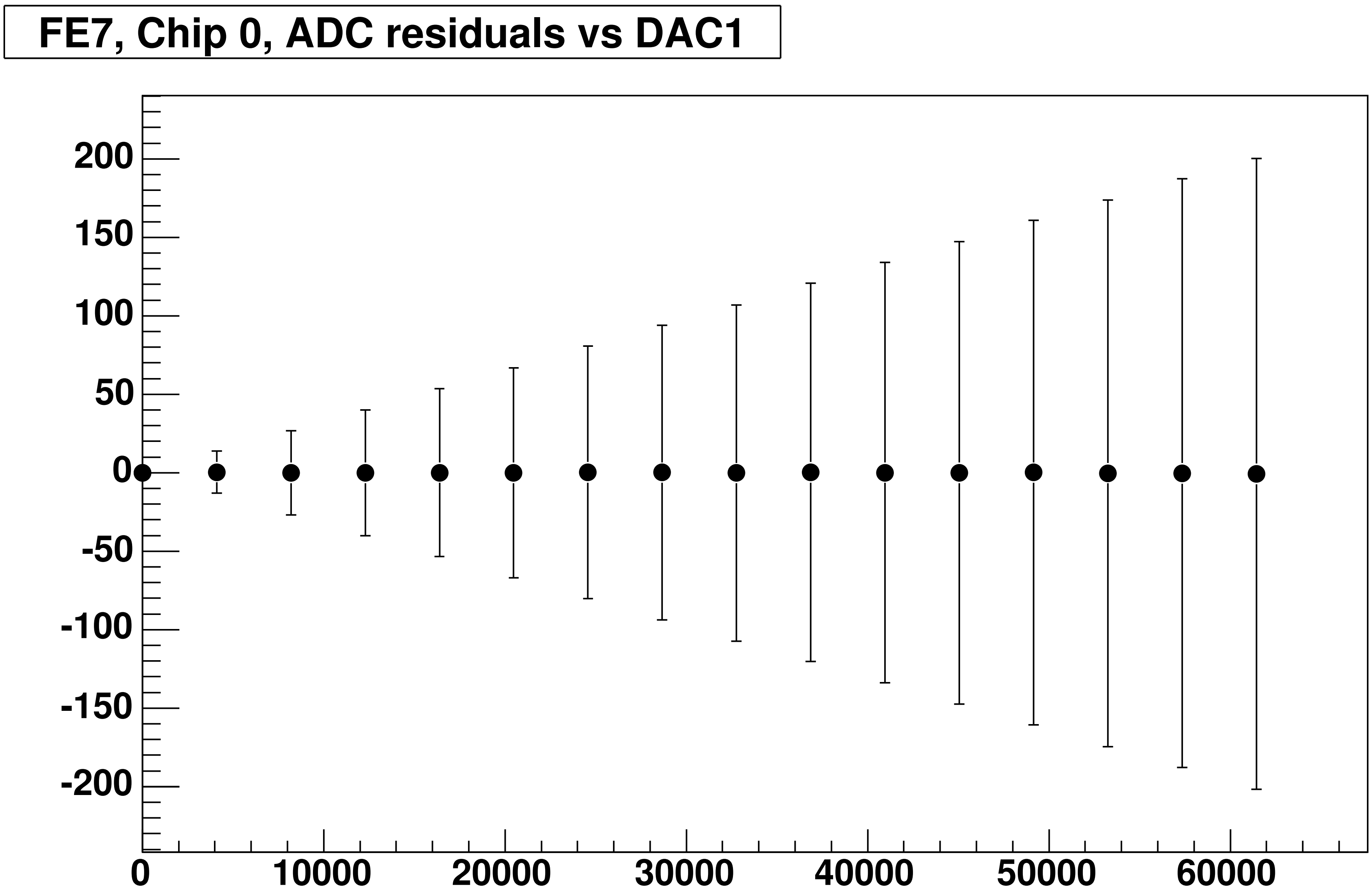
FE7, Chip 0, ADC mean vs DAC0
χ^2 / ndf 0.001769 / 11
p0 39.92 ± 31.06
p1 0.4367 ± 0.001596
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

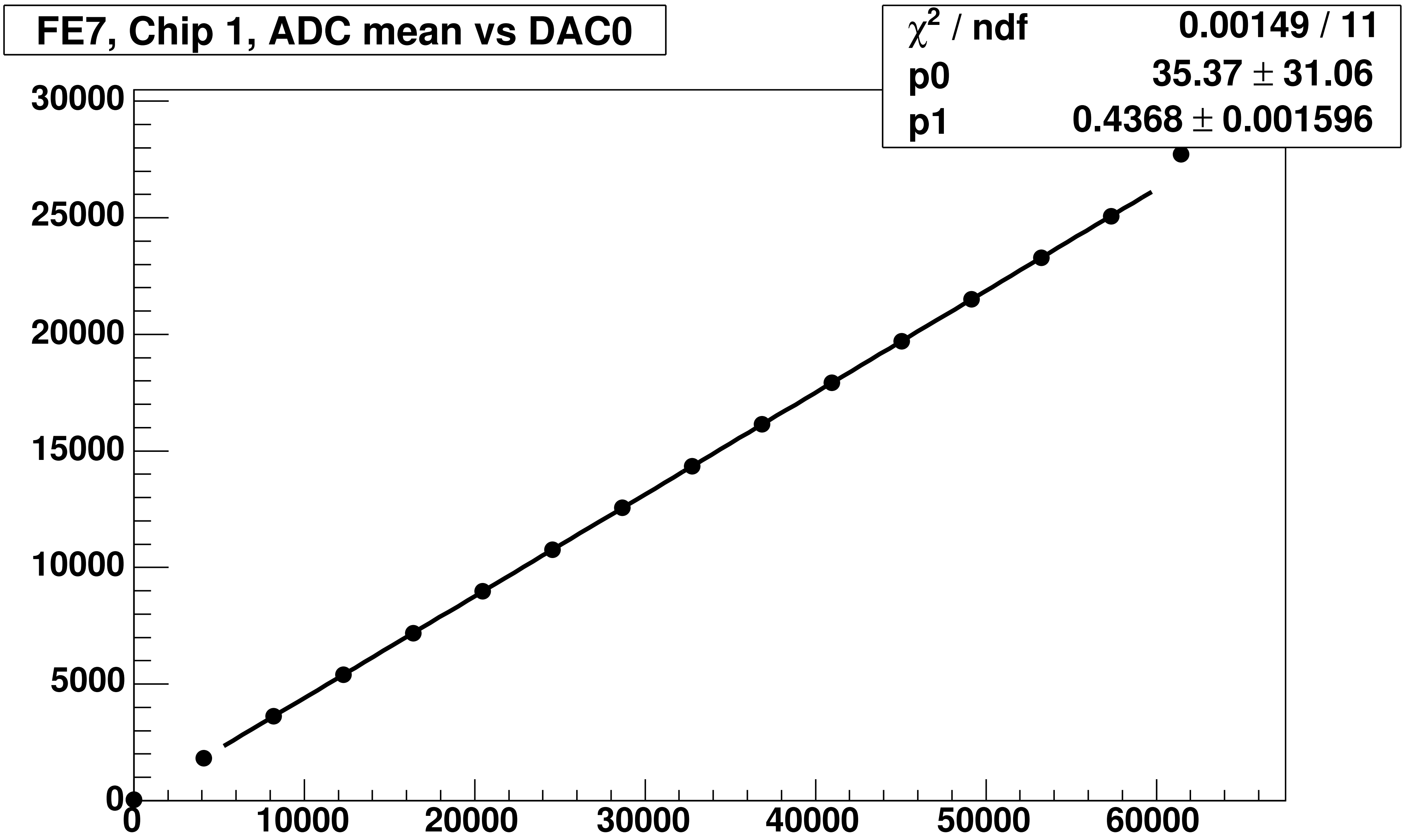

FE7, Chip 0, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 0, ADC mean vs DAC1
χ^2 / ndf 2.34e-05 / 11
p0 40.31 ± 31.06
p1 0.0141 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

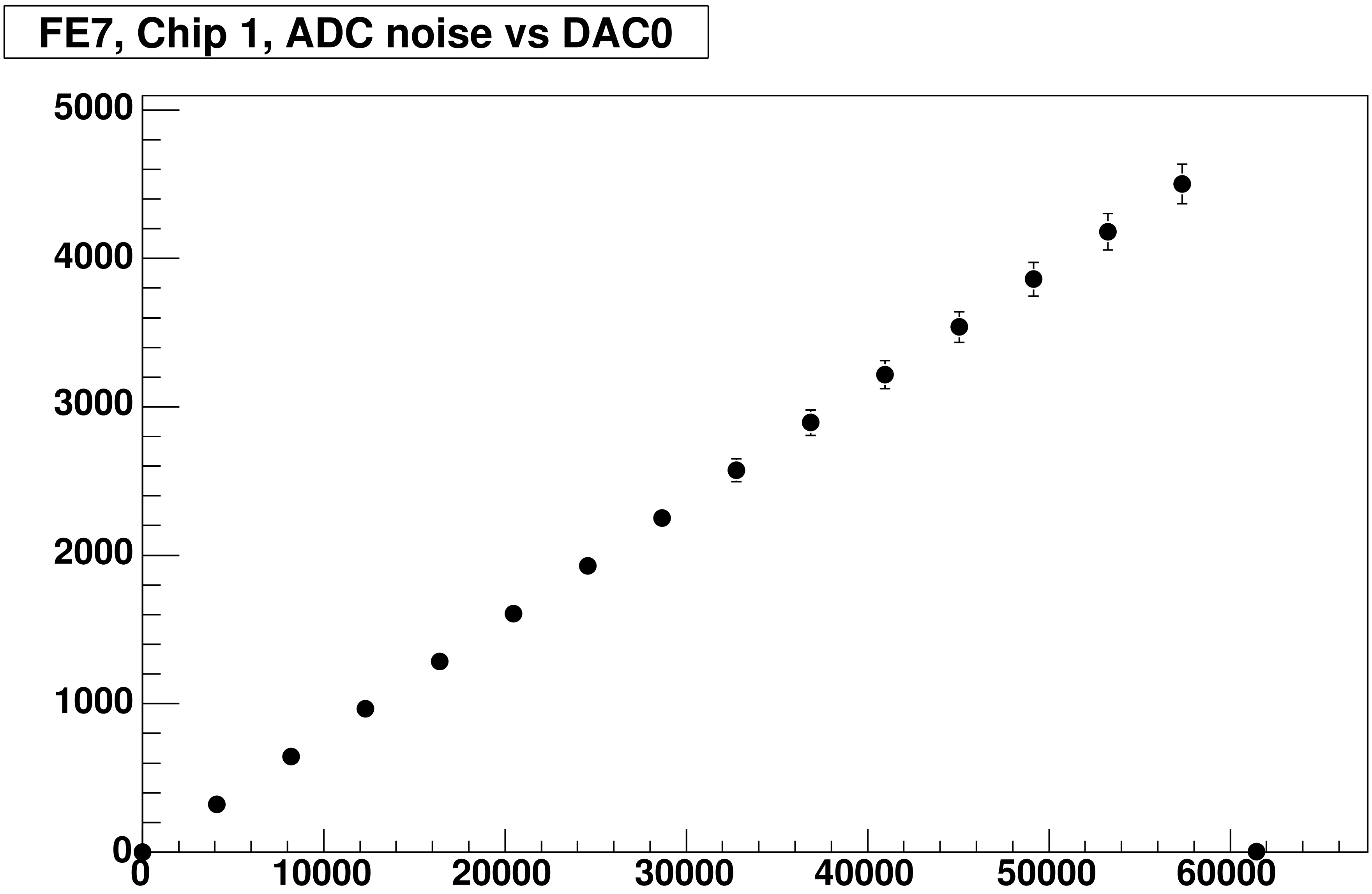

FE7, Chip 0, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

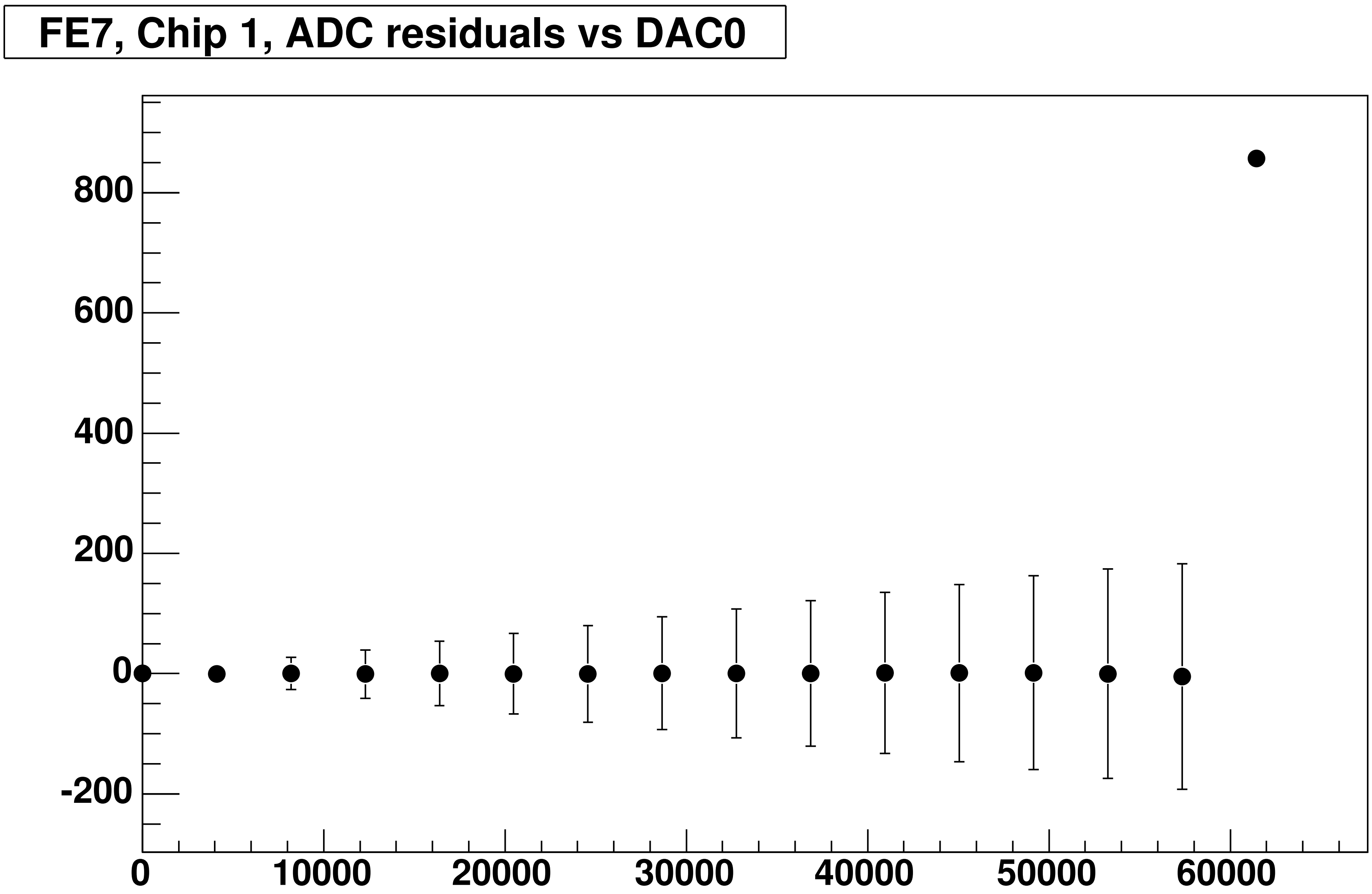


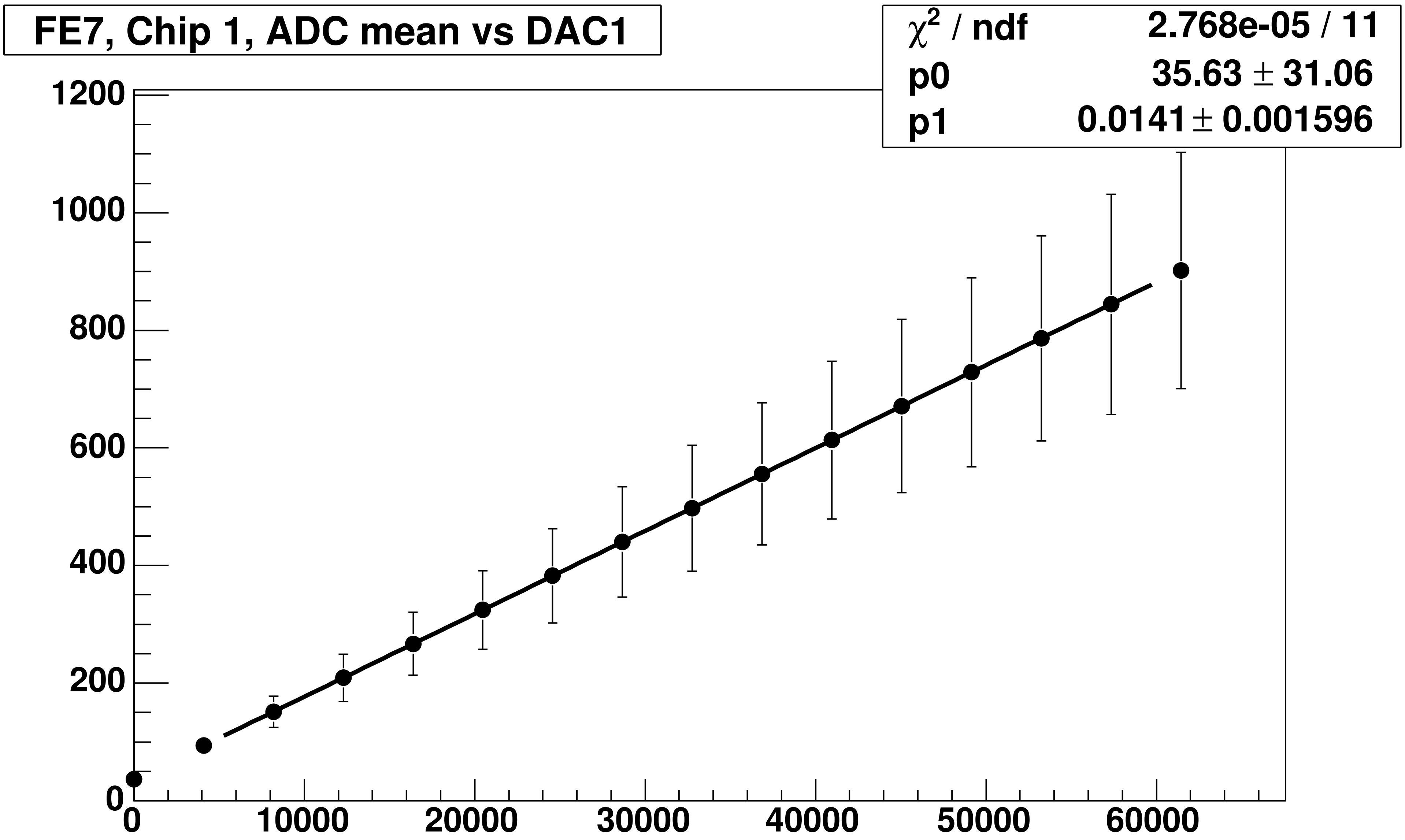
FE7, Chip 0, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



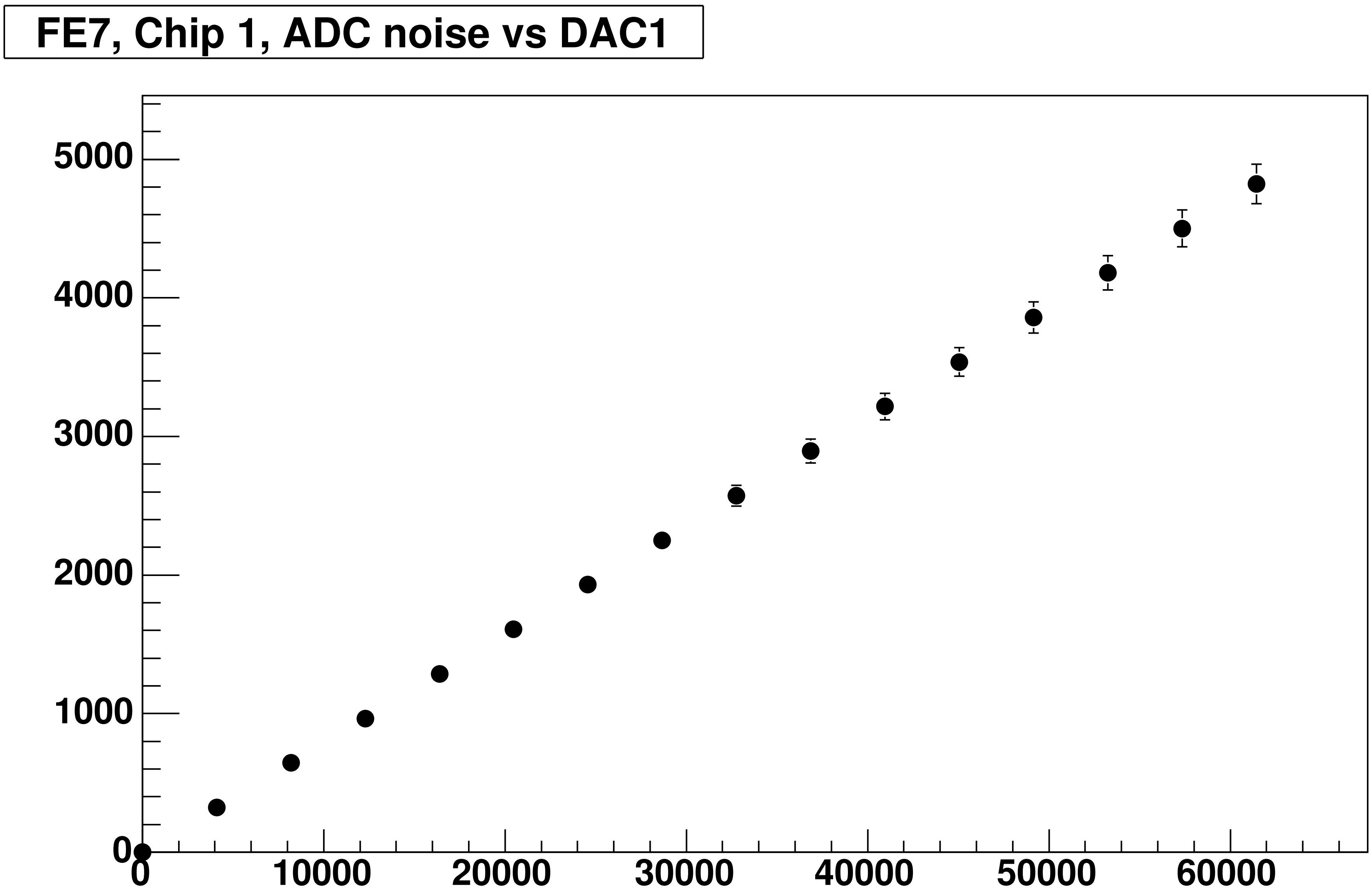
FE7, Chip 1, ADC mean vs DAC0
χ^2 / ndf 0.00149 / 11
p0 35.37 ± 31.06
p1 0.4368 ± 0.001596
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

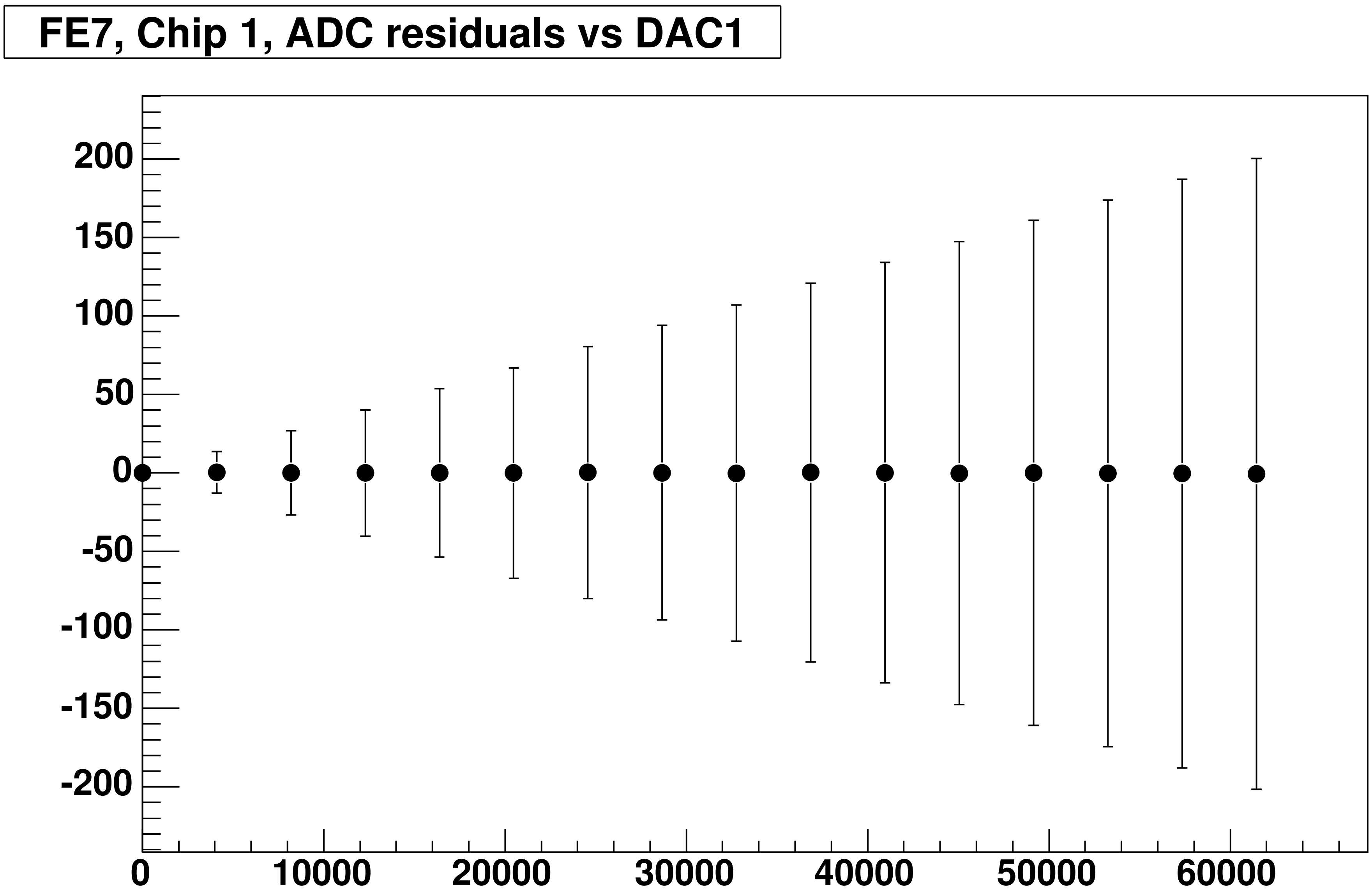

FE7, Chip 1, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

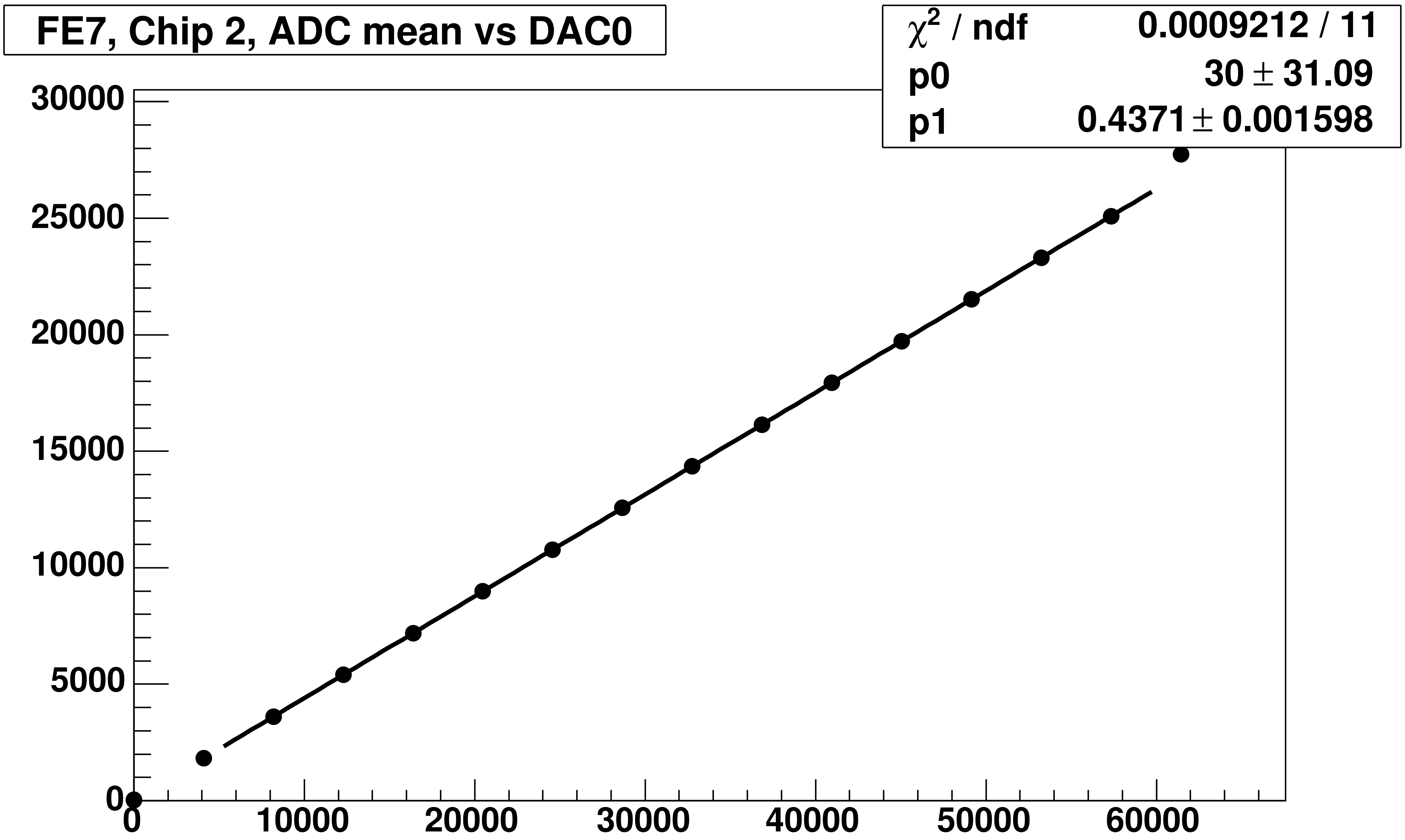

FE7, Chip 1, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000



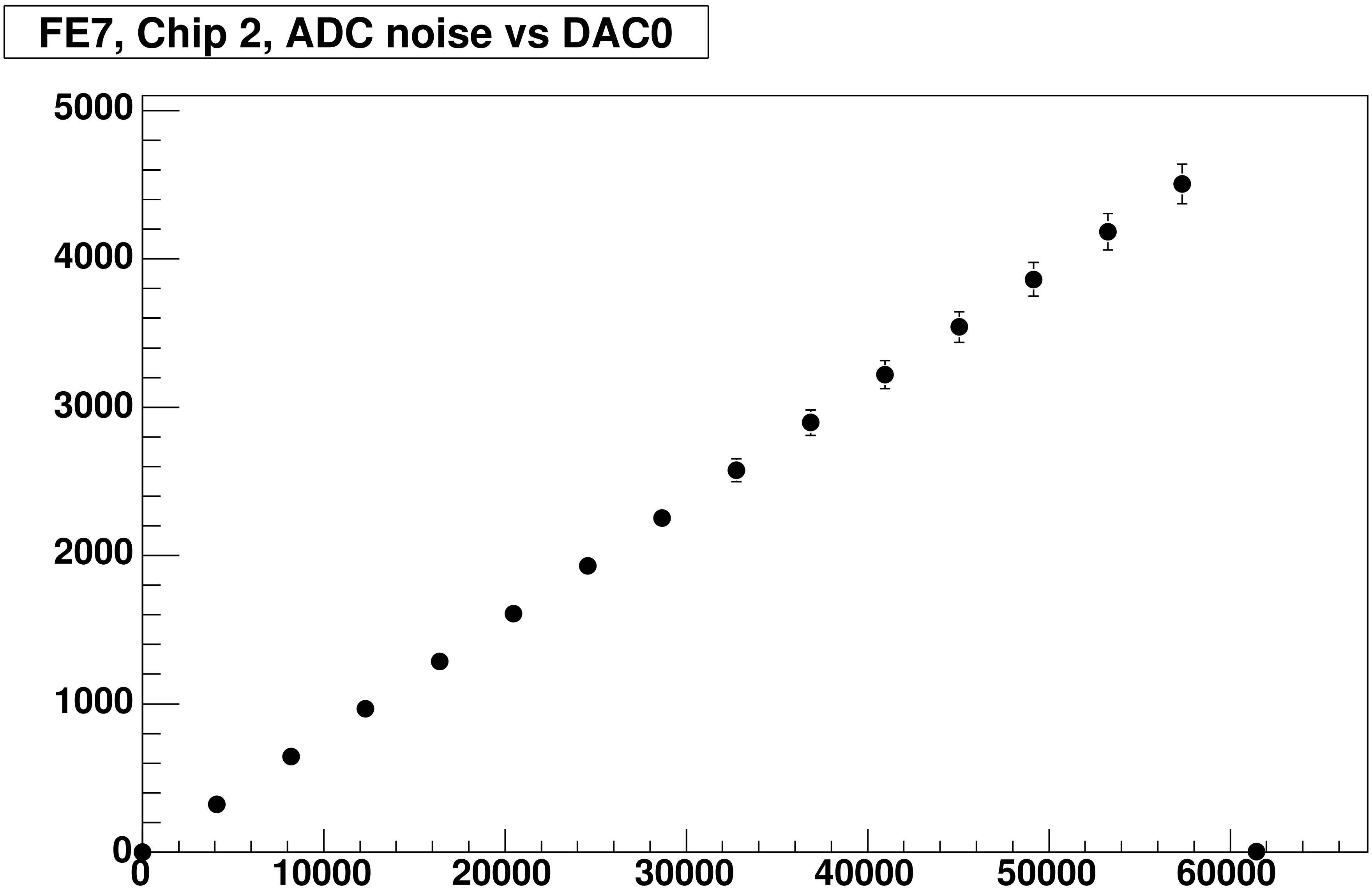
FE7, Chip 1, ADC mean vs DAC1
χ² / ndf 2.768e-05 / 11
p0 35.63 ± 31.06
p1 0.0141 ± 0.001596
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

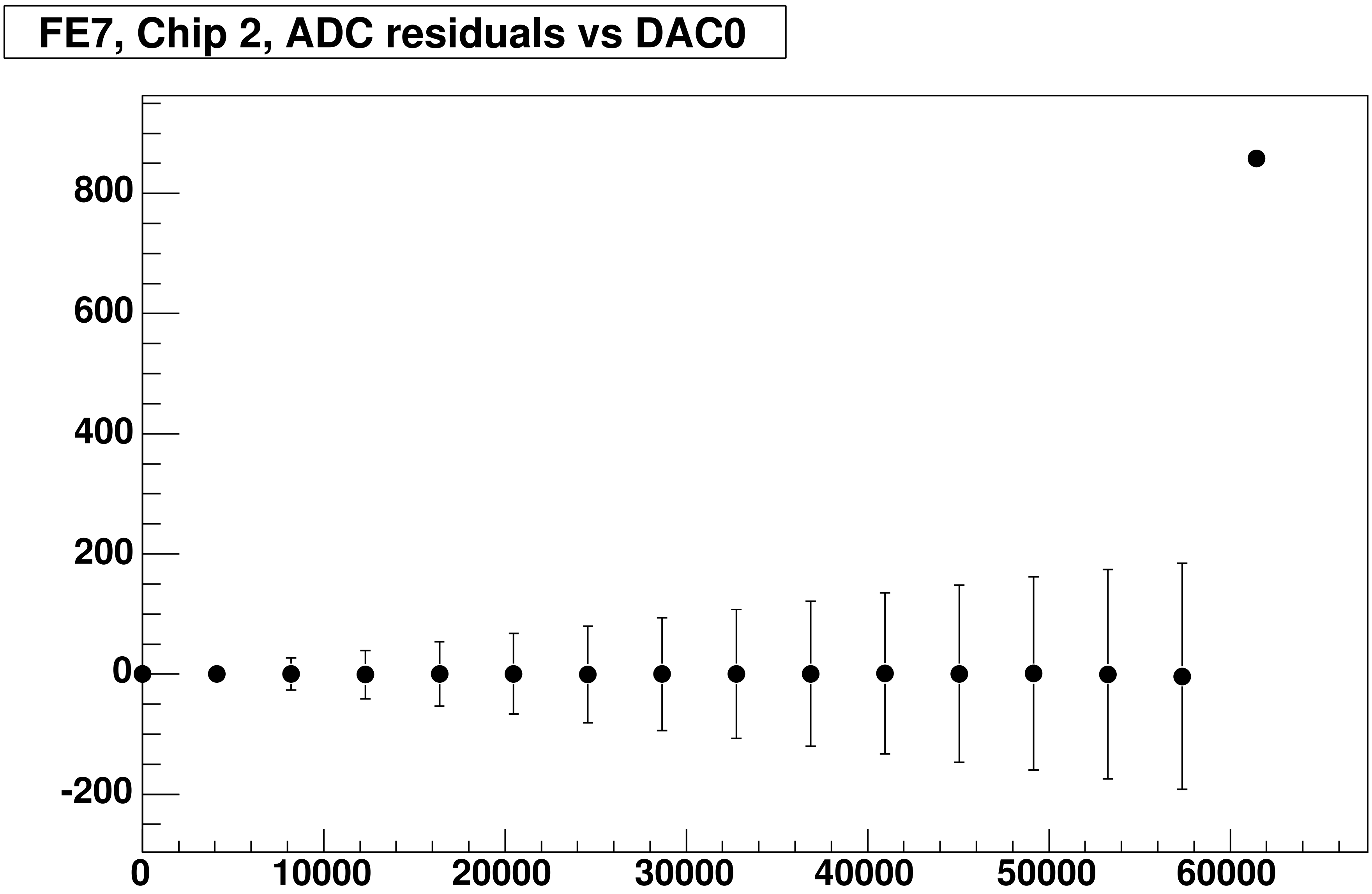

FE7, Chip 1, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

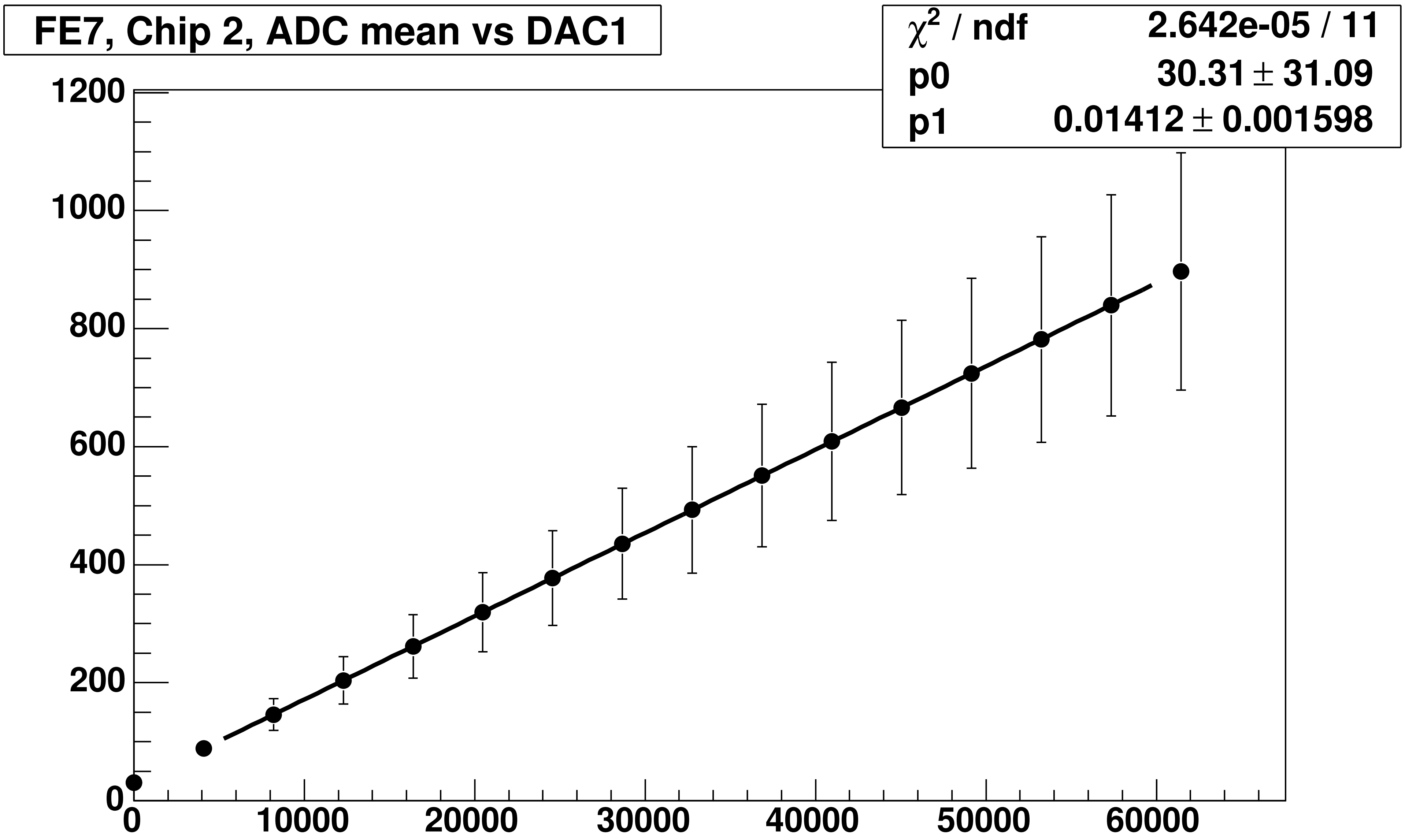

FE7, Chip 1, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



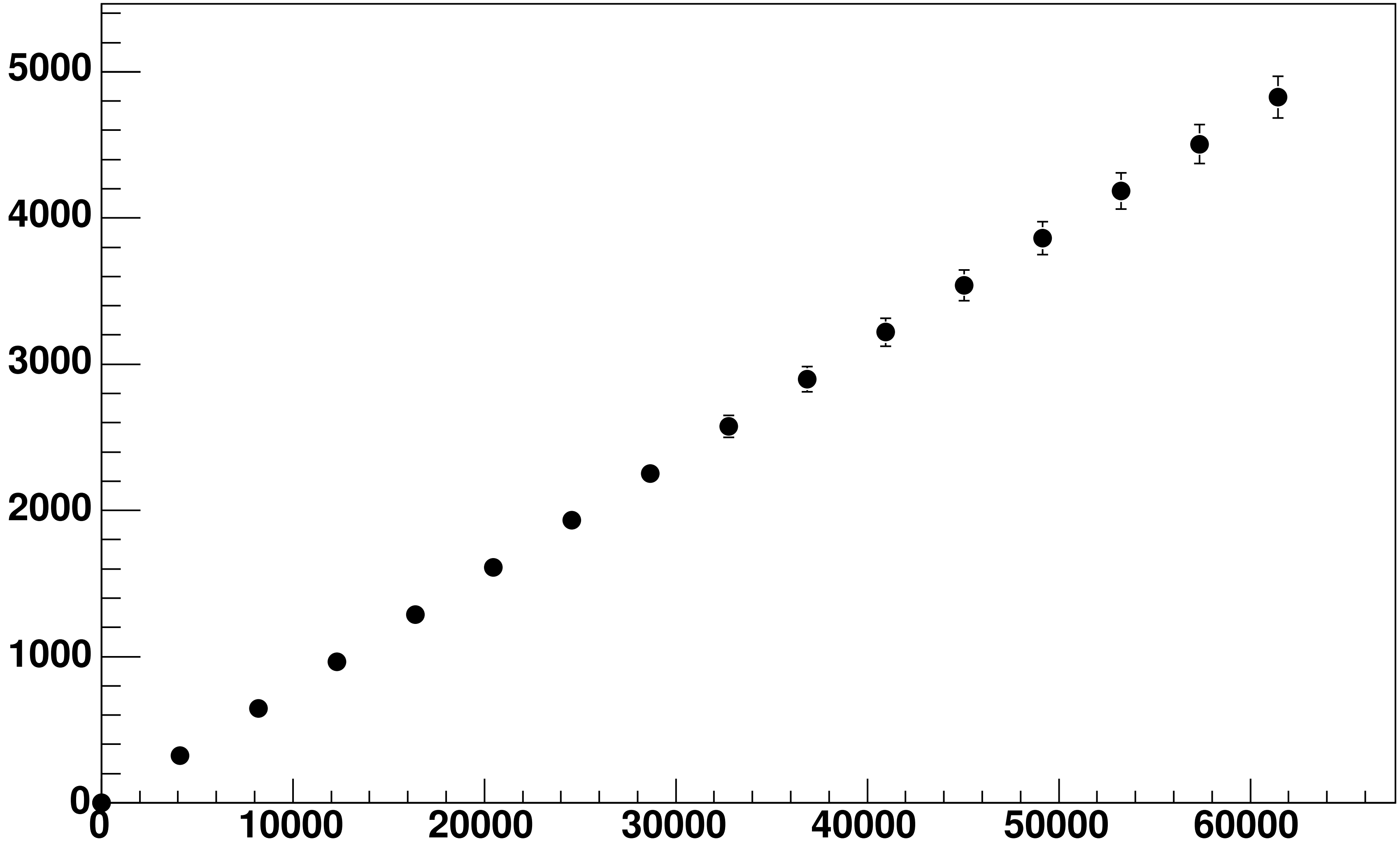
FE7, Chip 2, ADC mean vs DAC0
χ^2 / ndf 0.0009212 / 11
p0 30 ± 31.09
p1 0.4371 ± 0.001598
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

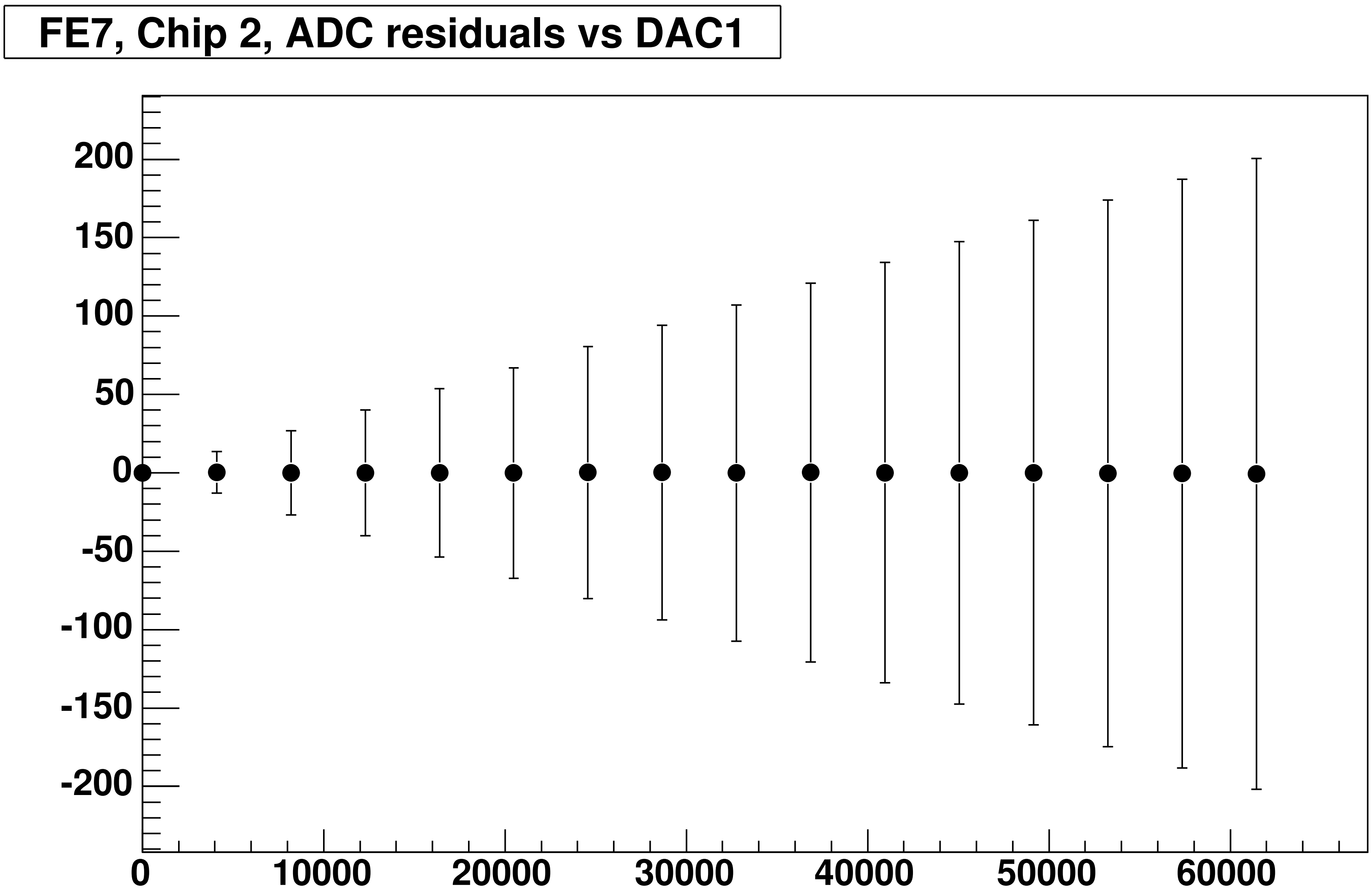

FE7, Chip 2, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

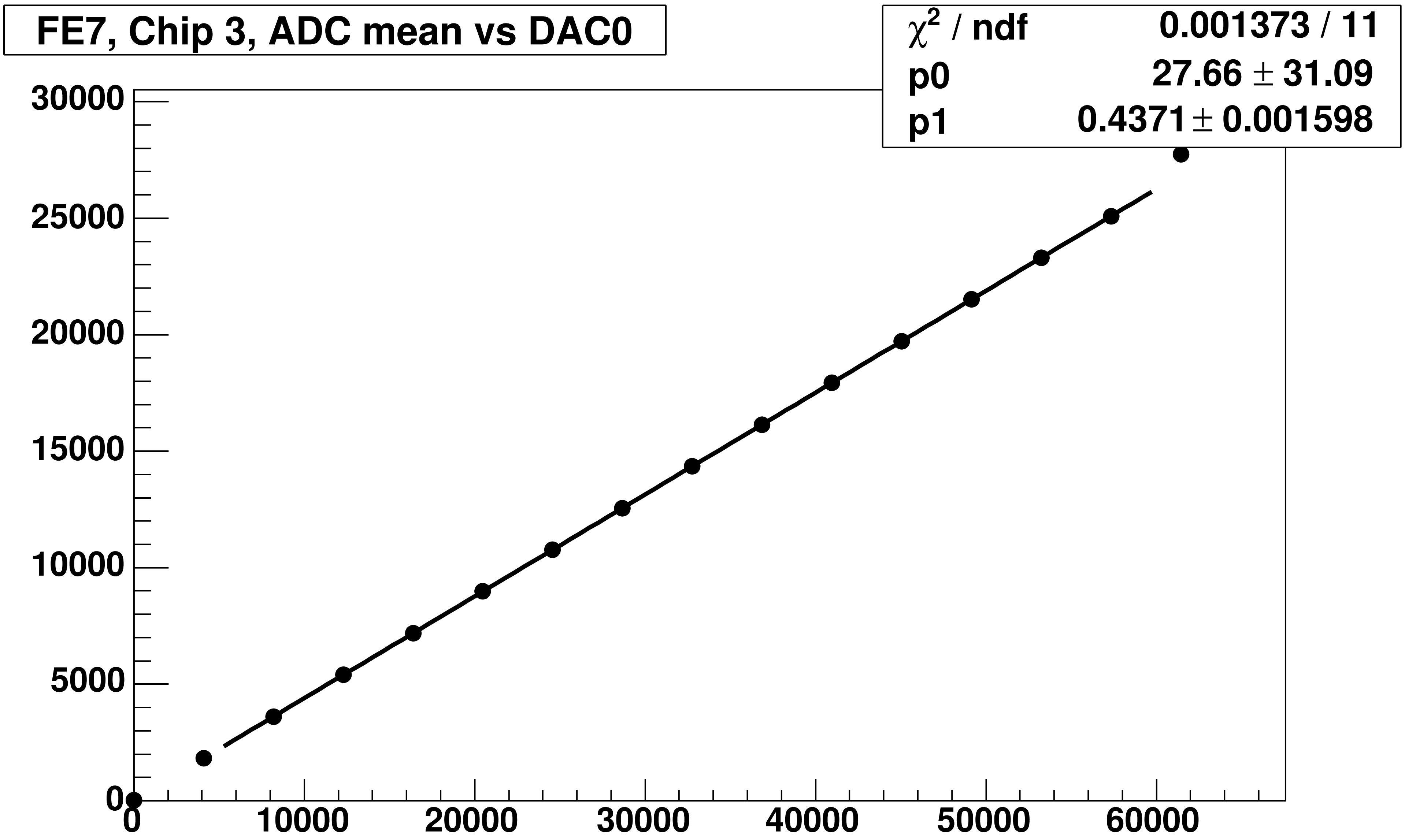

FE7, Chip 2, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

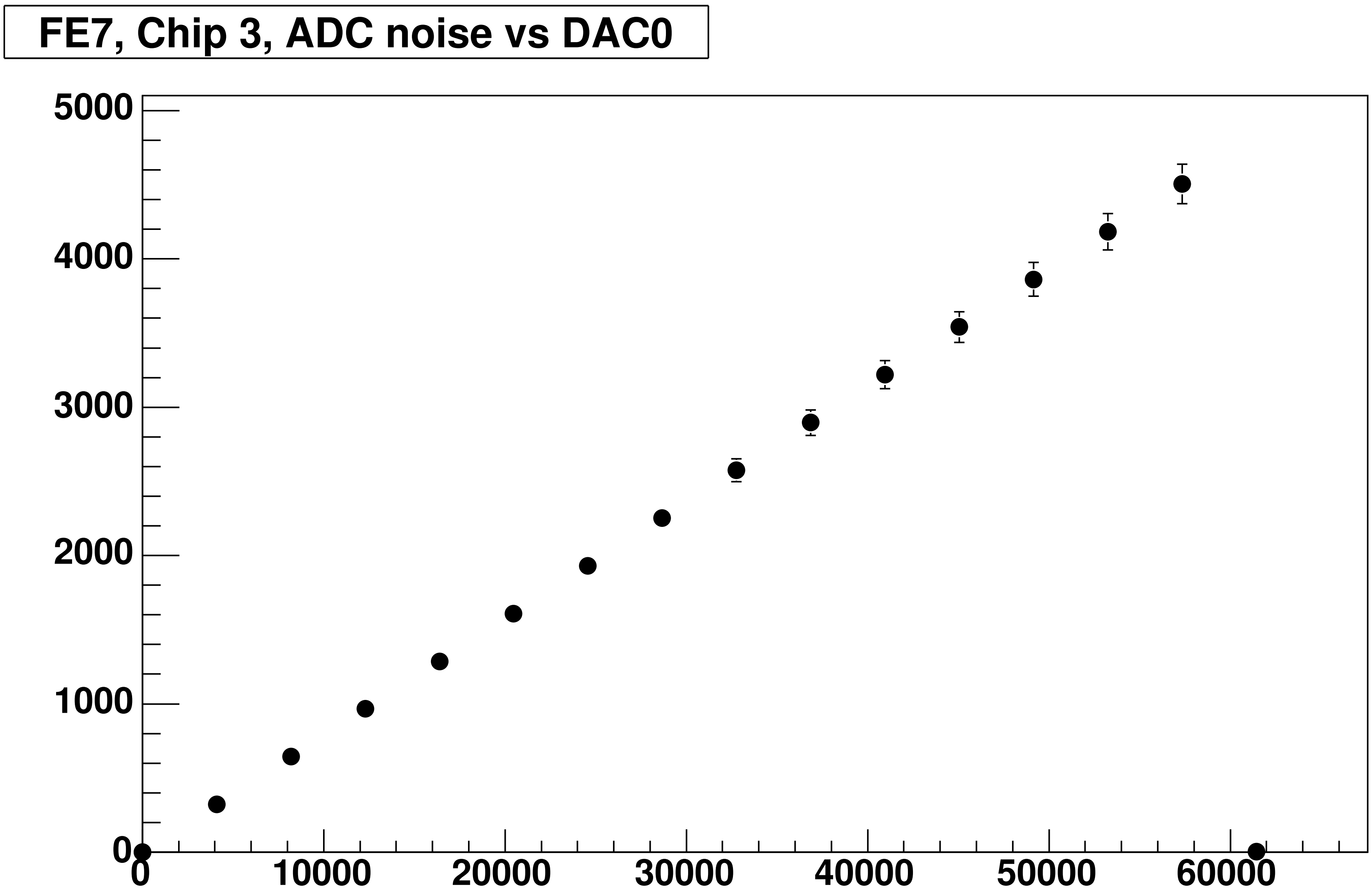

FE7, Chip 2, ADC mean vs DAC1
χ^2 / ndf 2.642e-05 / 11
p0 30.31 ± 31.09
p1 0.01412 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

FE7, Chip 2, ADC noise vs DAC1

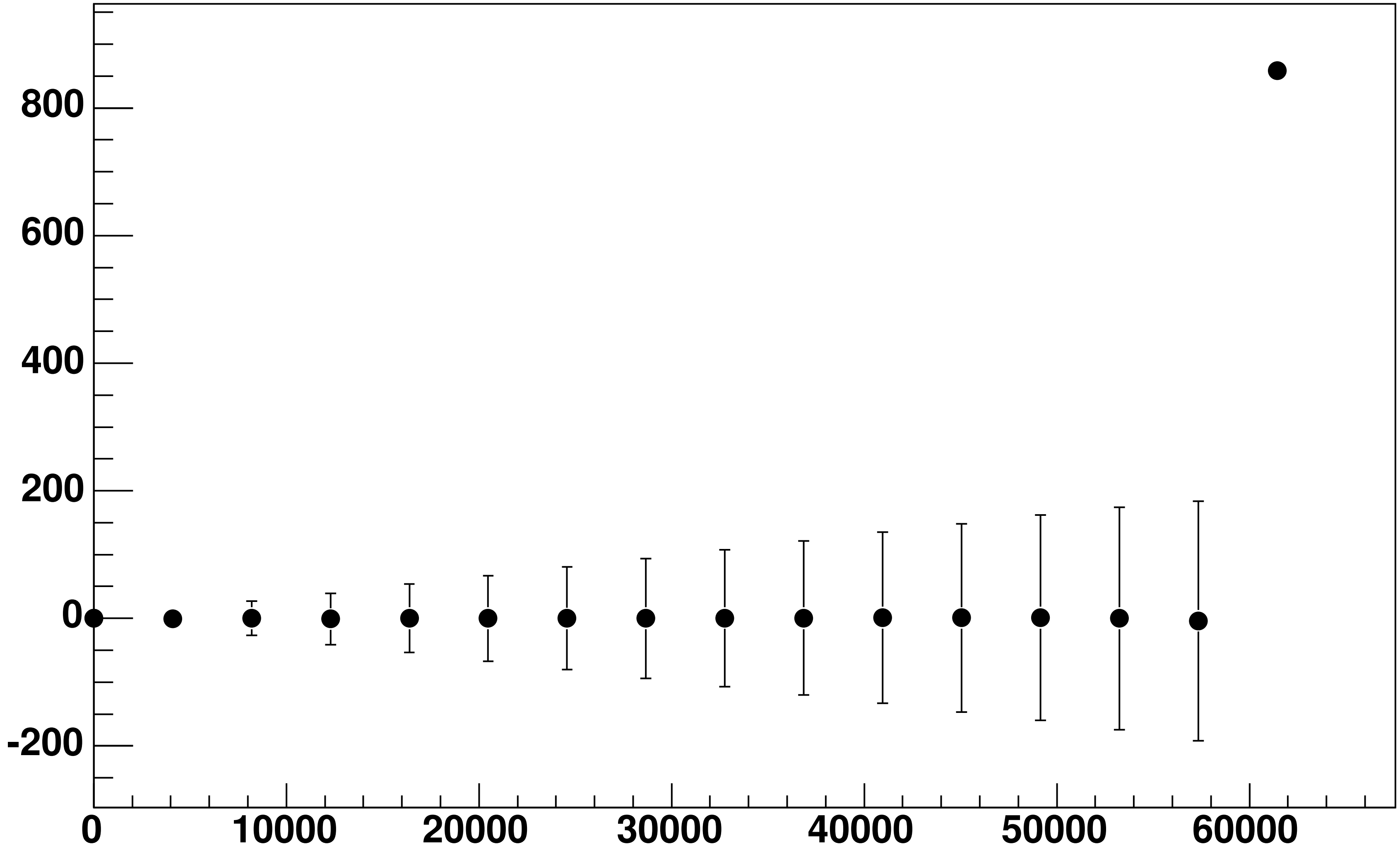


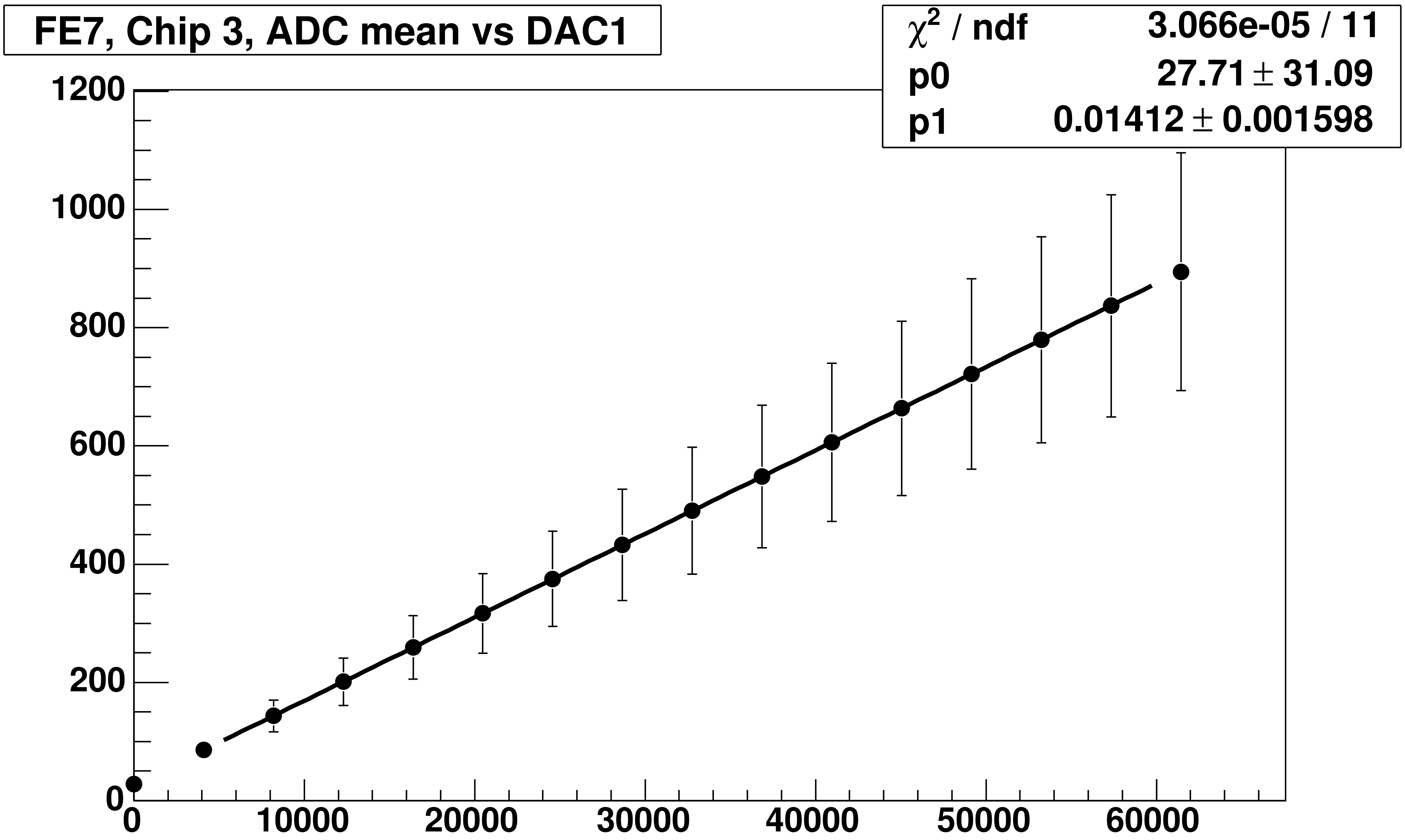

FE7, Chip 2, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

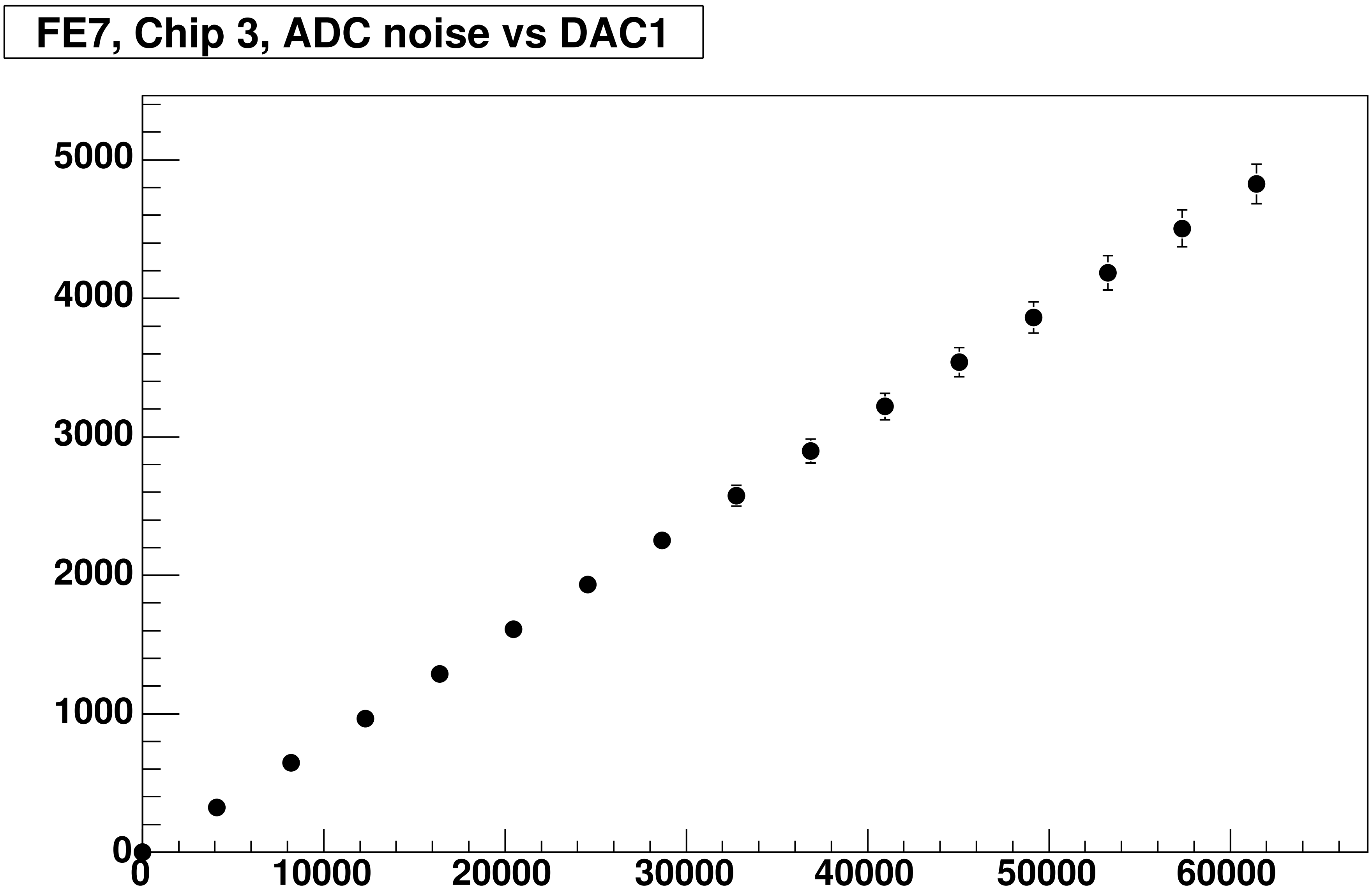

FE7, Chip 3, ADC mean vs DAC0
χ^2 / ndf 0.001373 / 11
p0 27.66 ± 31.09
p1 0.4371 ± 0.001598
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


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

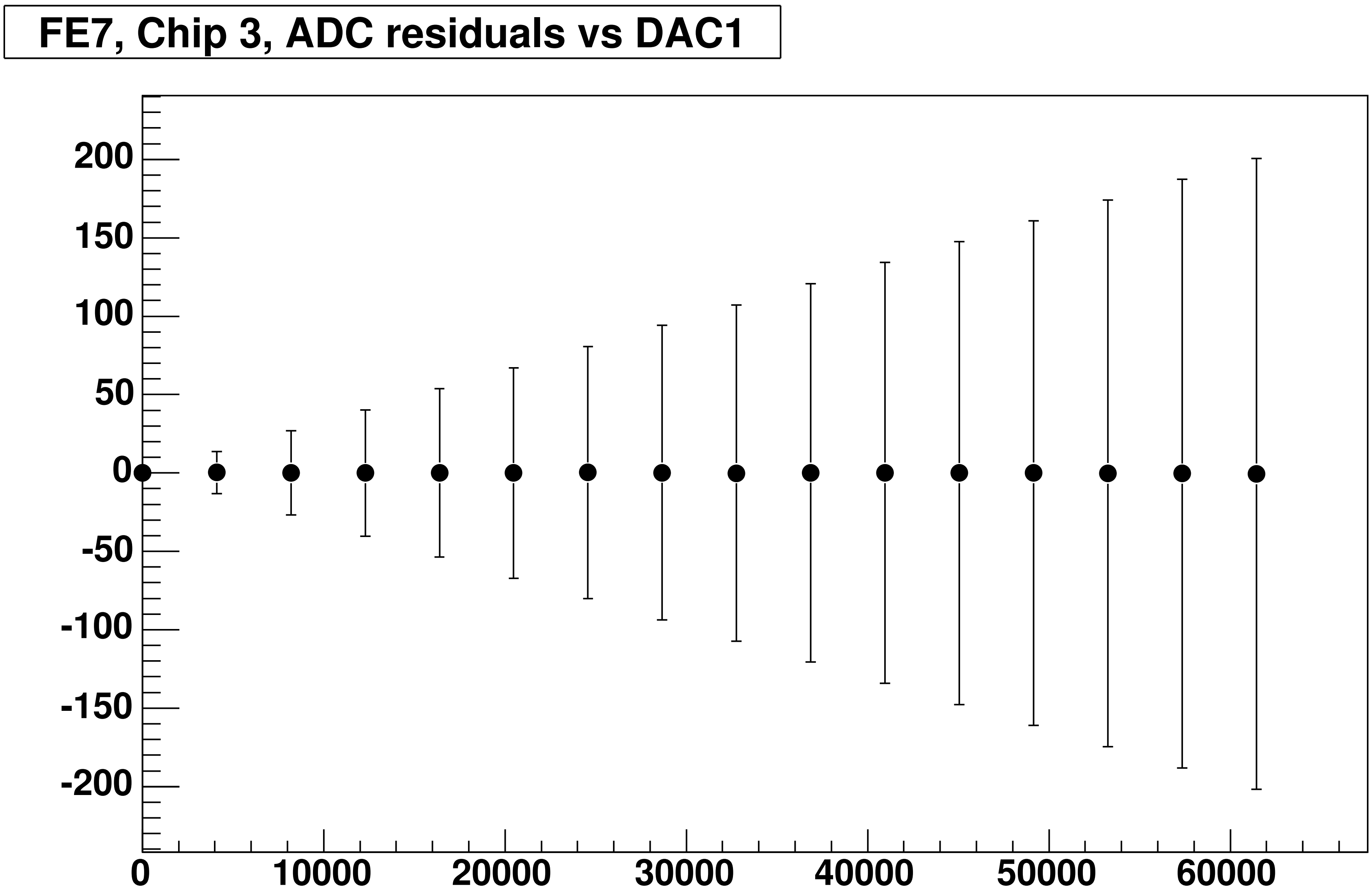
FE7, Chip 3, ADC residuals vs DAC0

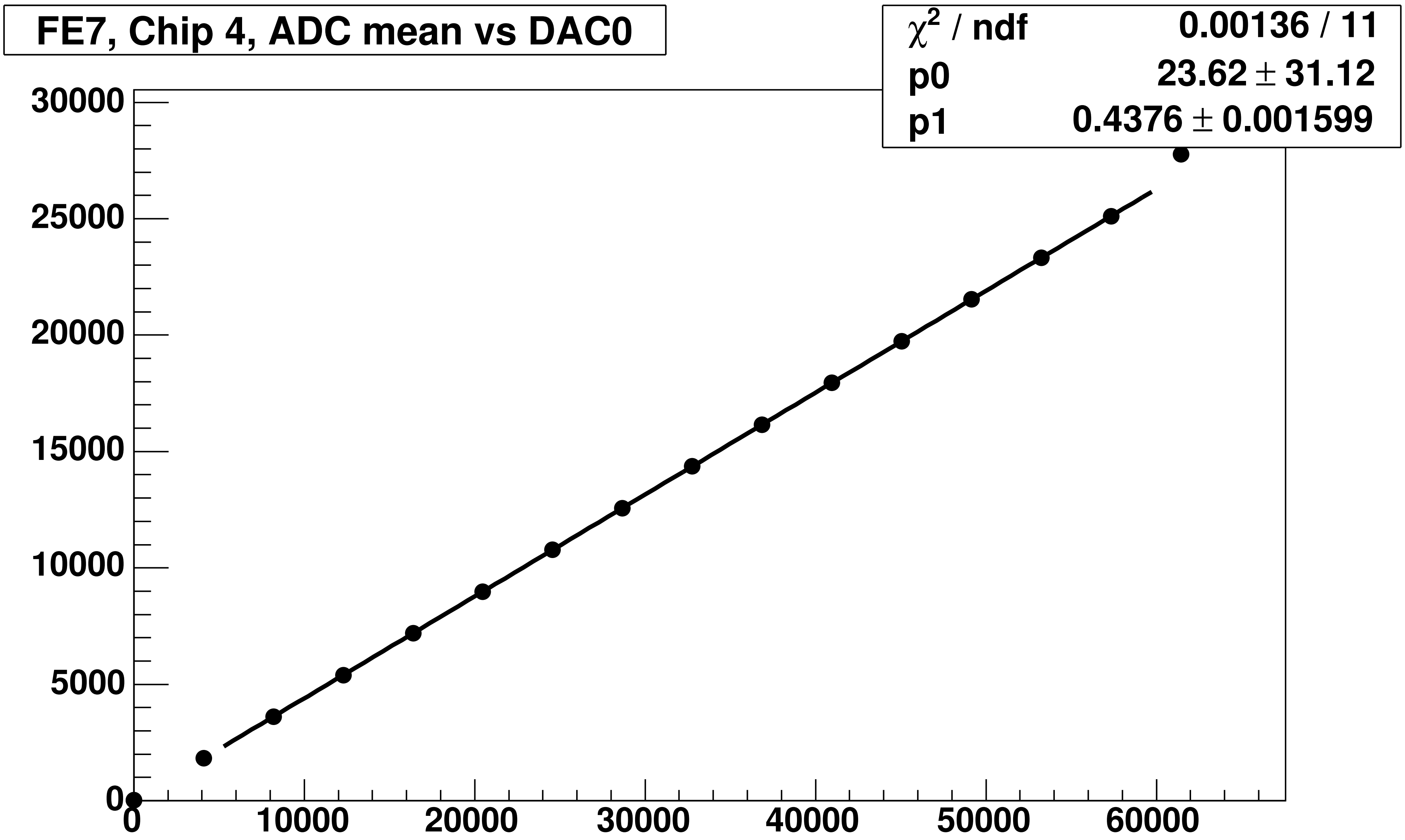



FE7, Chip 3, ADC mean vs DAC1
χ^2 / ndf 3.066e-05 / 11
p0 27.71 ± 31.09
p1 0.01412 ± 0.001598
0
200
400
600
800
1000
1200
0
10000
20000
30000
40000
50000
60000

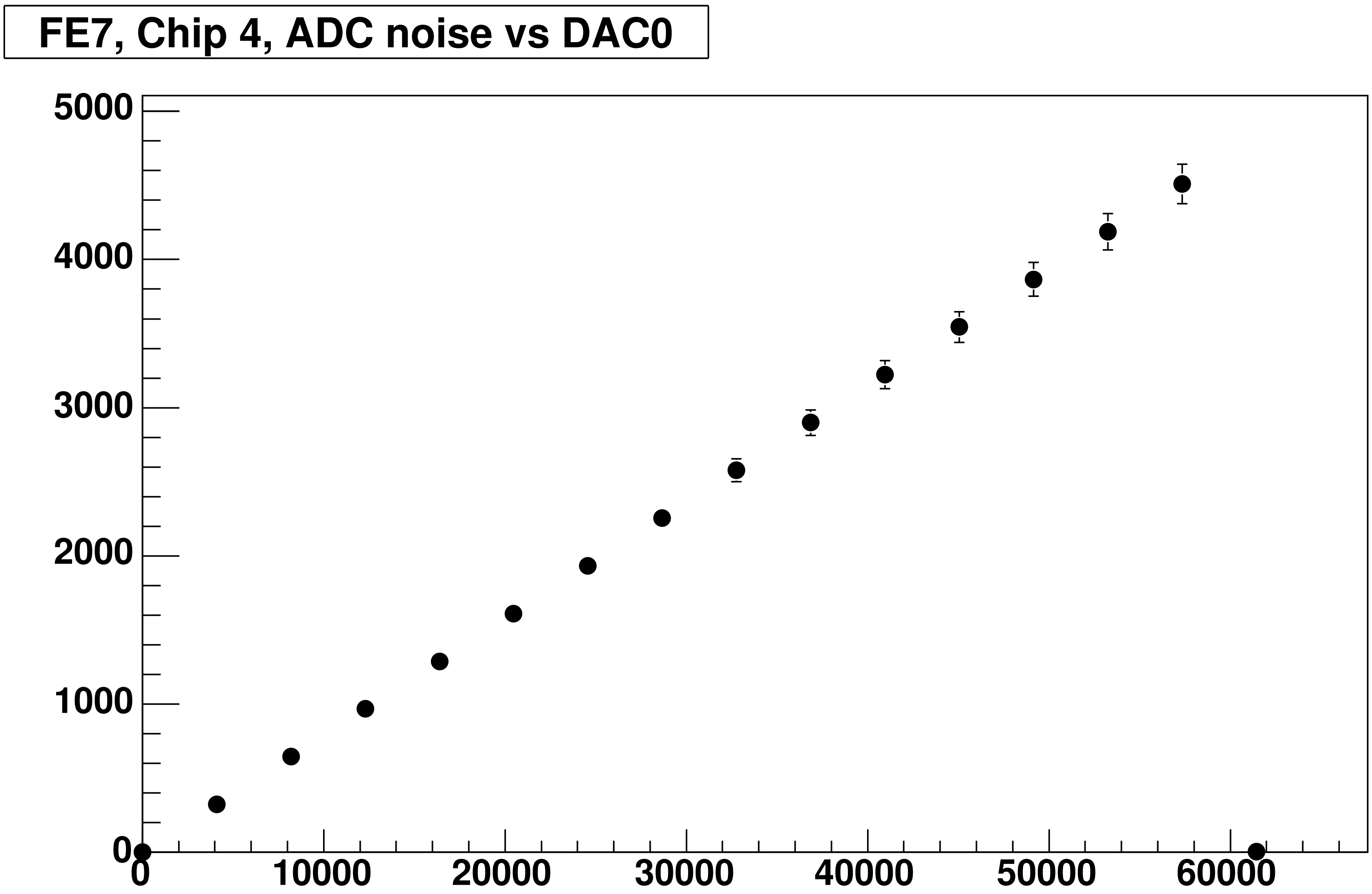


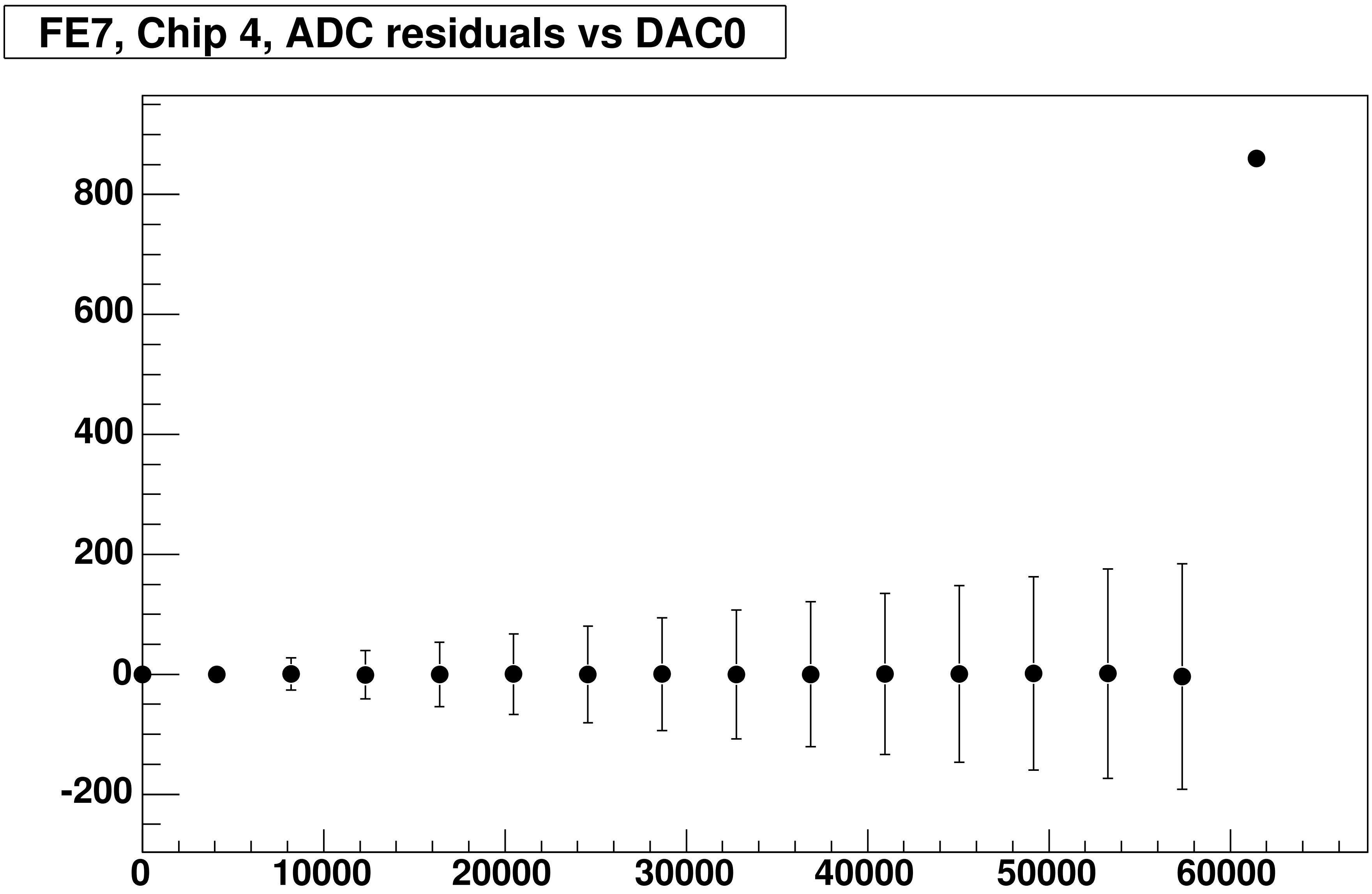
FE7, Chip 3, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

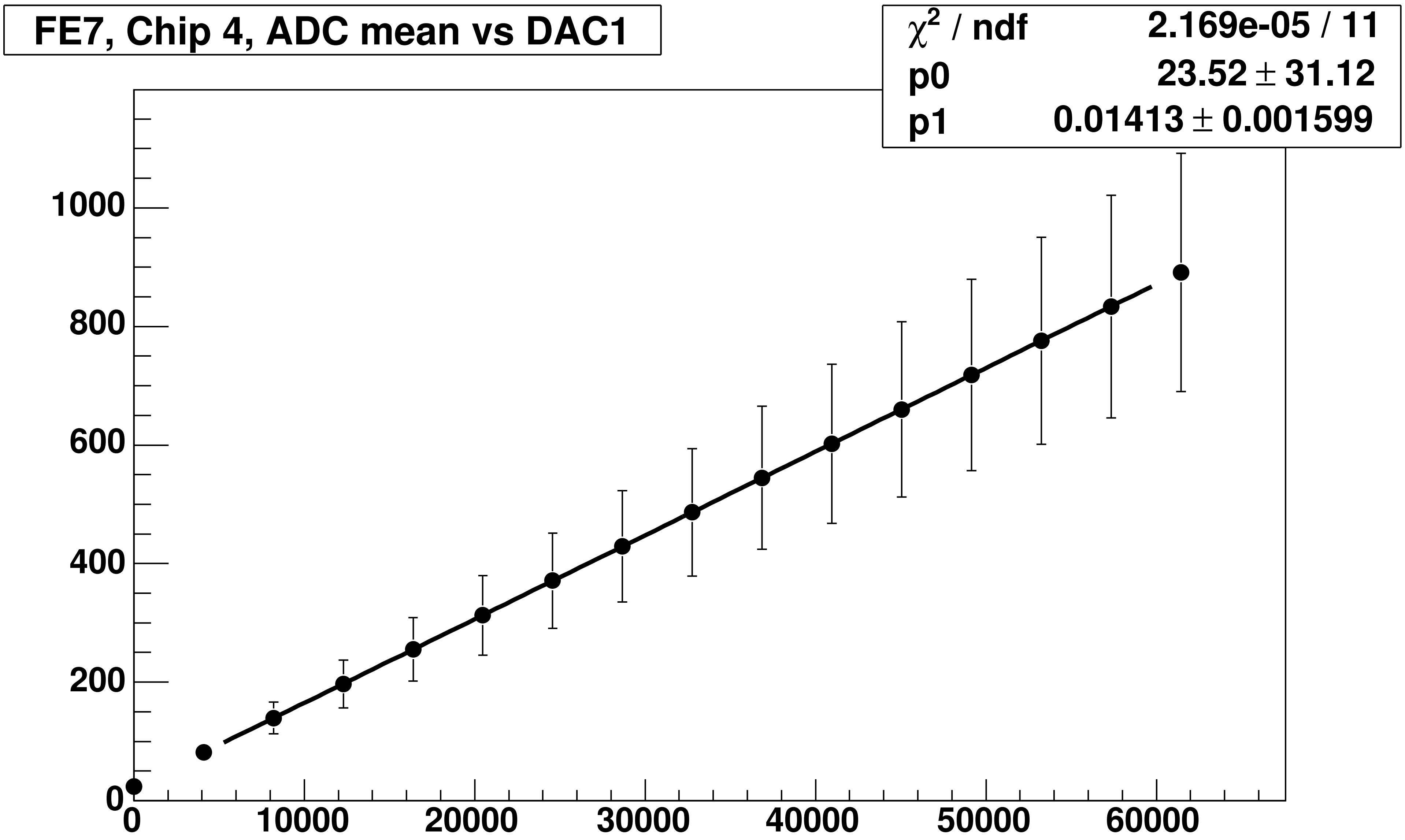

FE7, Chip 3, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000



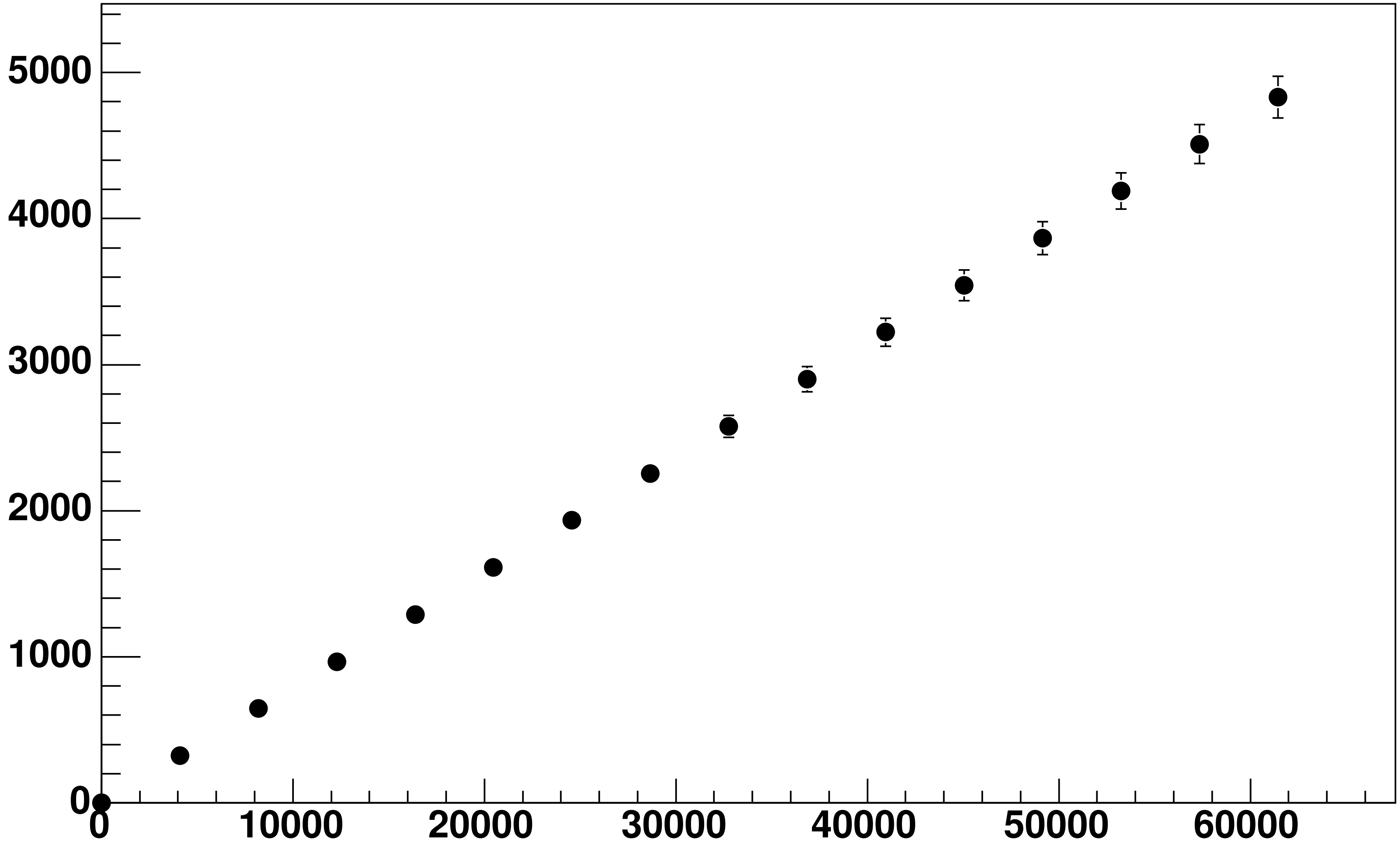
FE7, Chip 4, ADC mean vs DAC0
χ^2 / ndf 0.00136 / 11
p0 23.62 ± 31.12
p1 0.4376 ± 0.001599
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

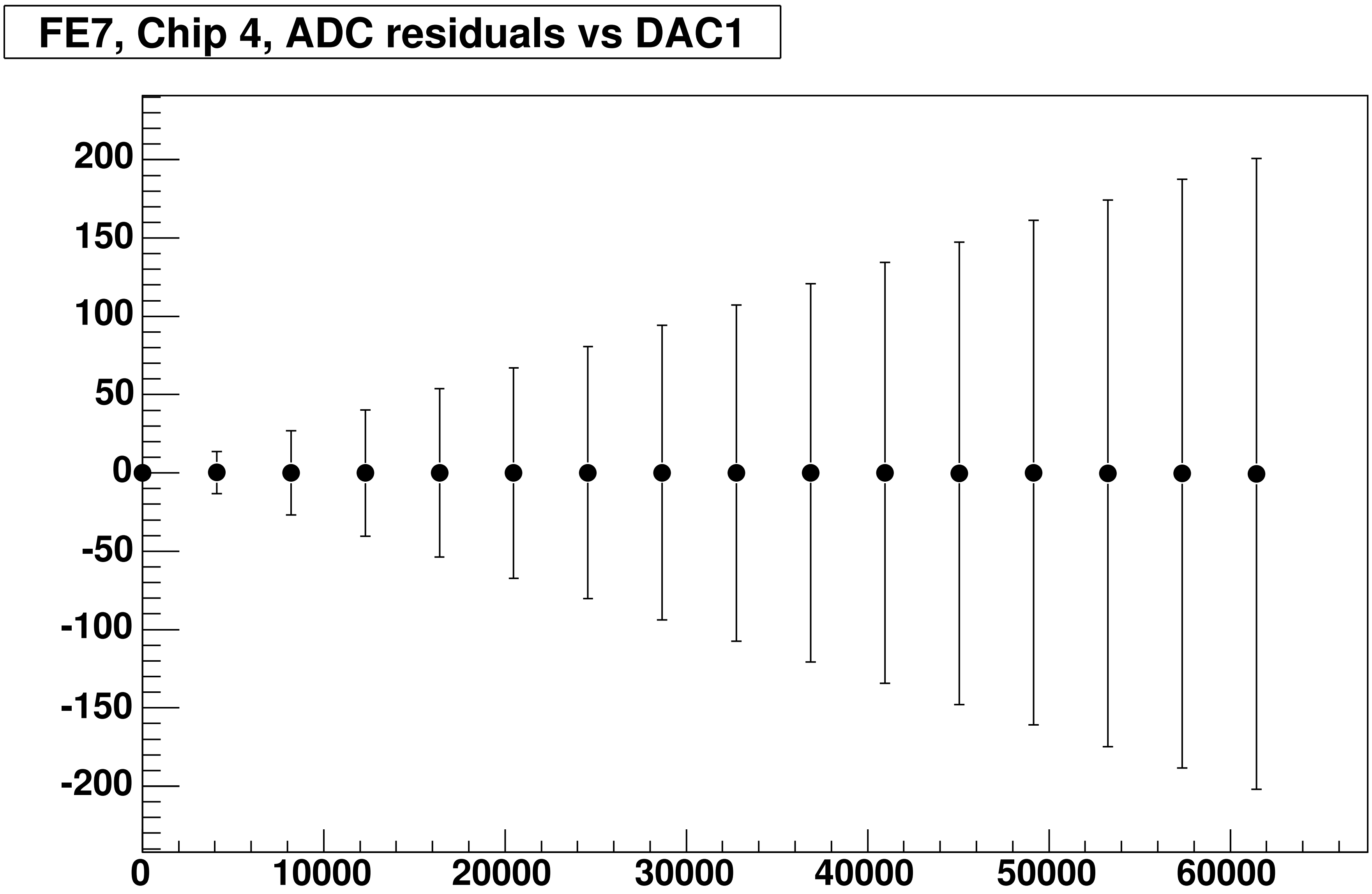

FE7, Chip 4, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

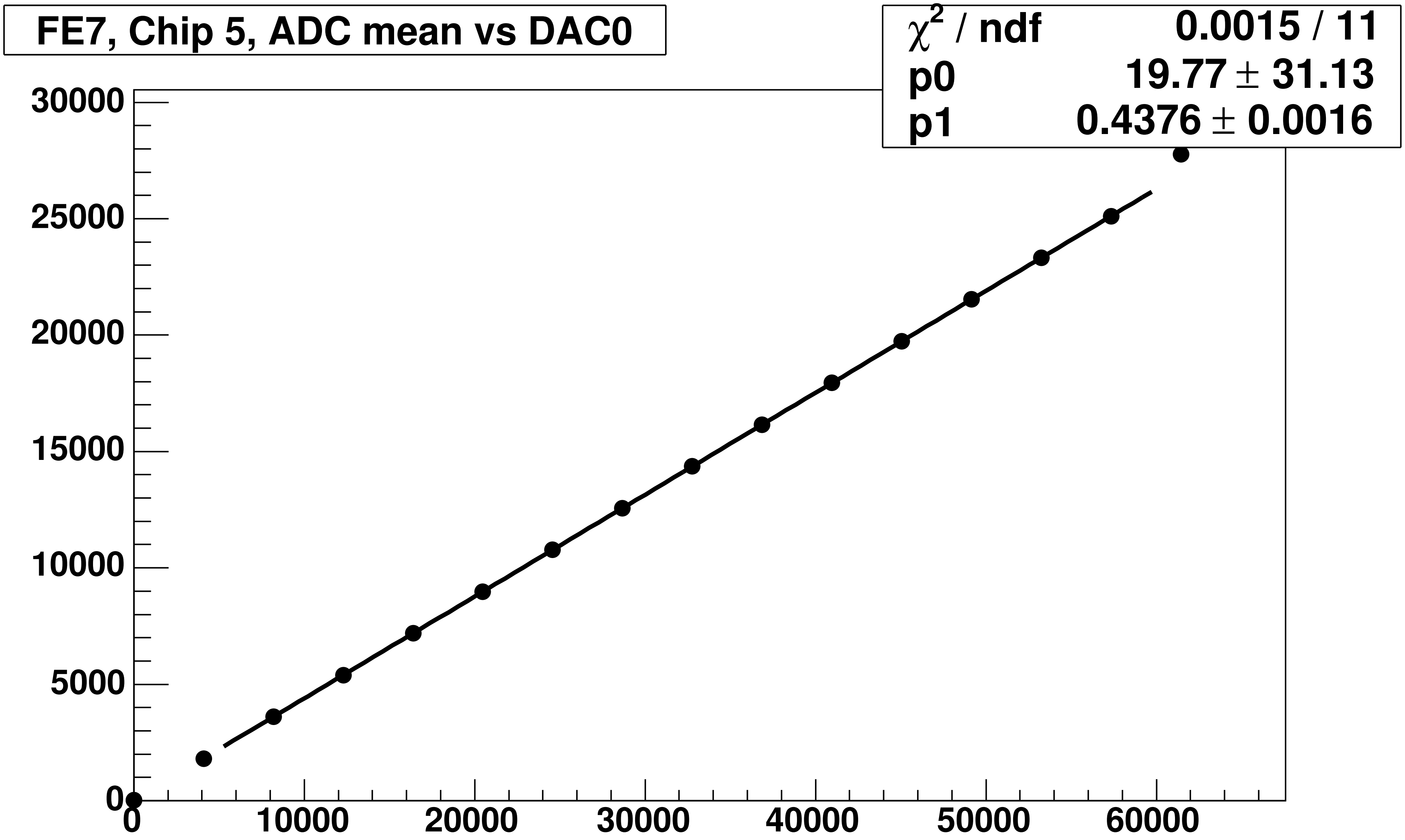

FE7, Chip 4, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 4, ADC mean vs DAC1
χ^2 / ndf 2.169e-05 / 11
p0 23.52 ± 31.12
p1 0.01413 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

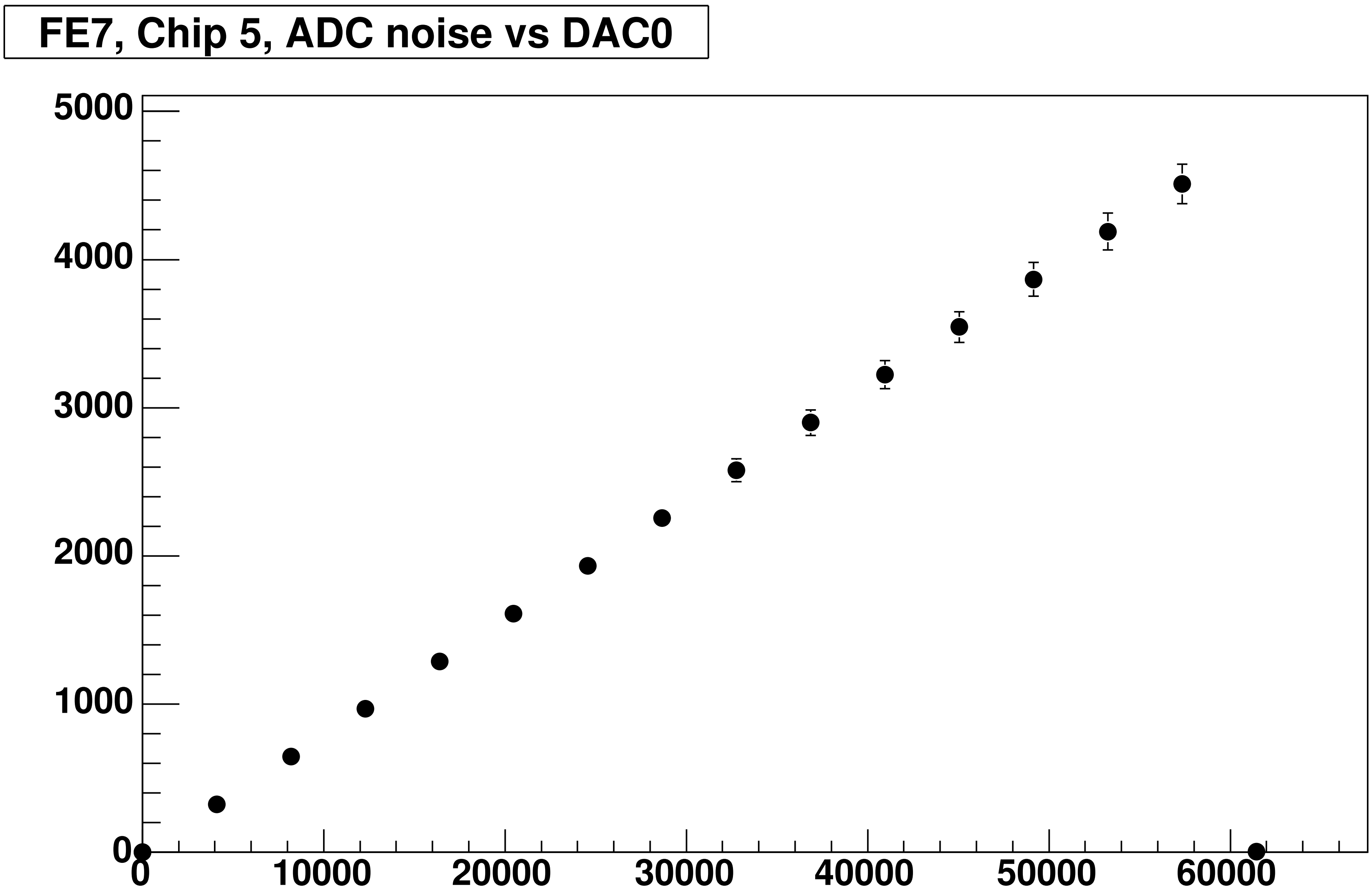
FE7, Chip 4, ADC noise vs DAC1

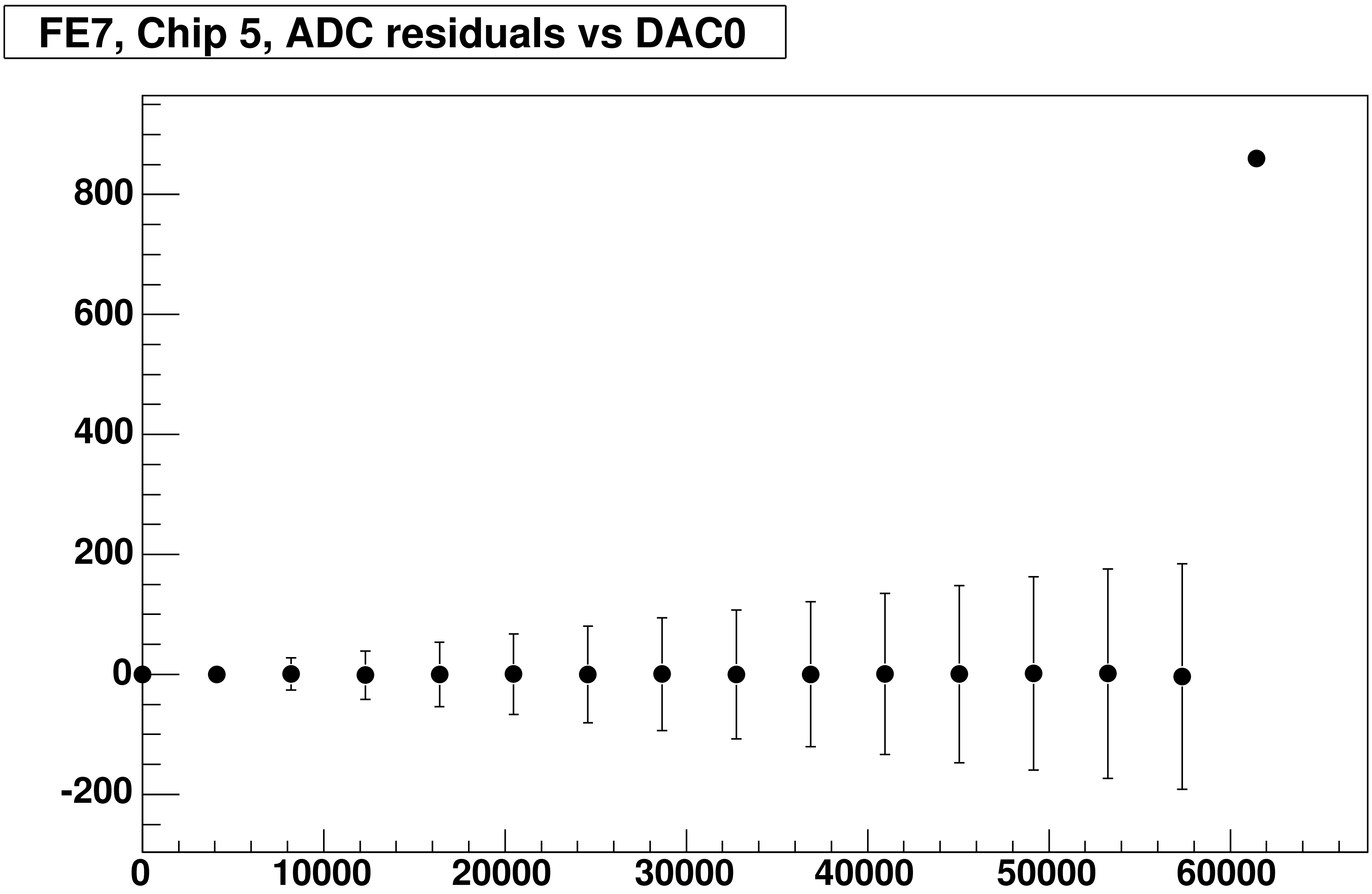


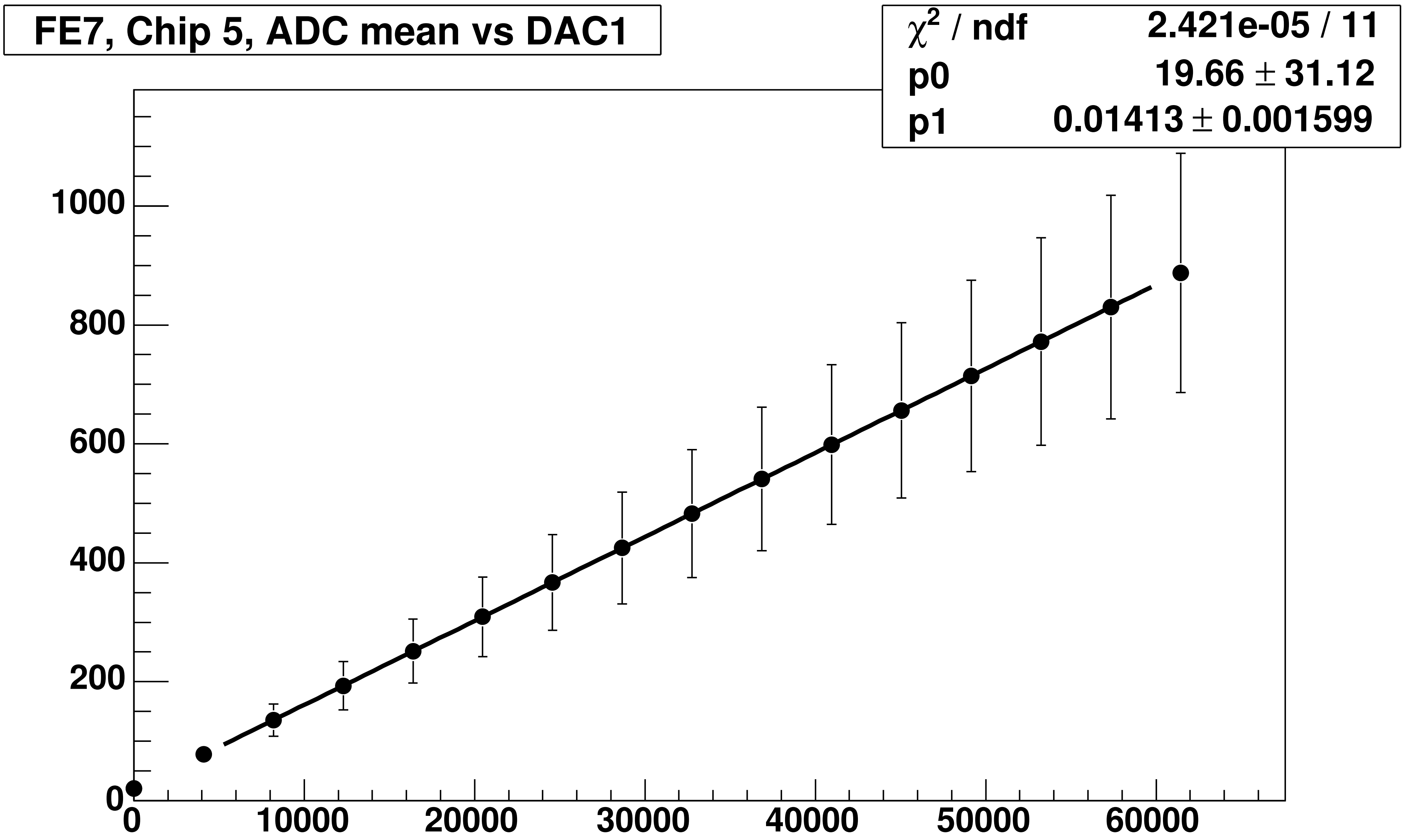

FE7, Chip 4, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

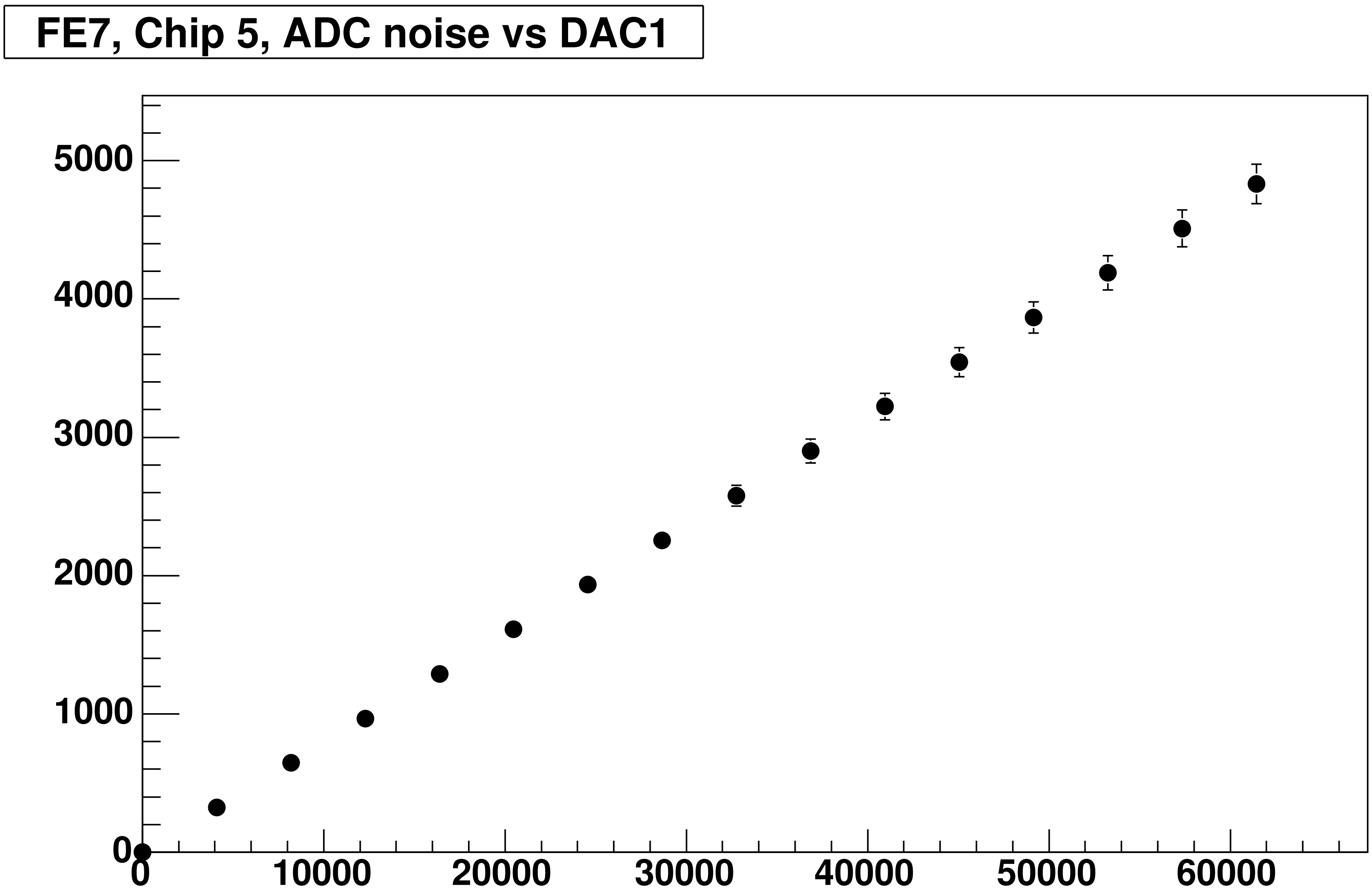


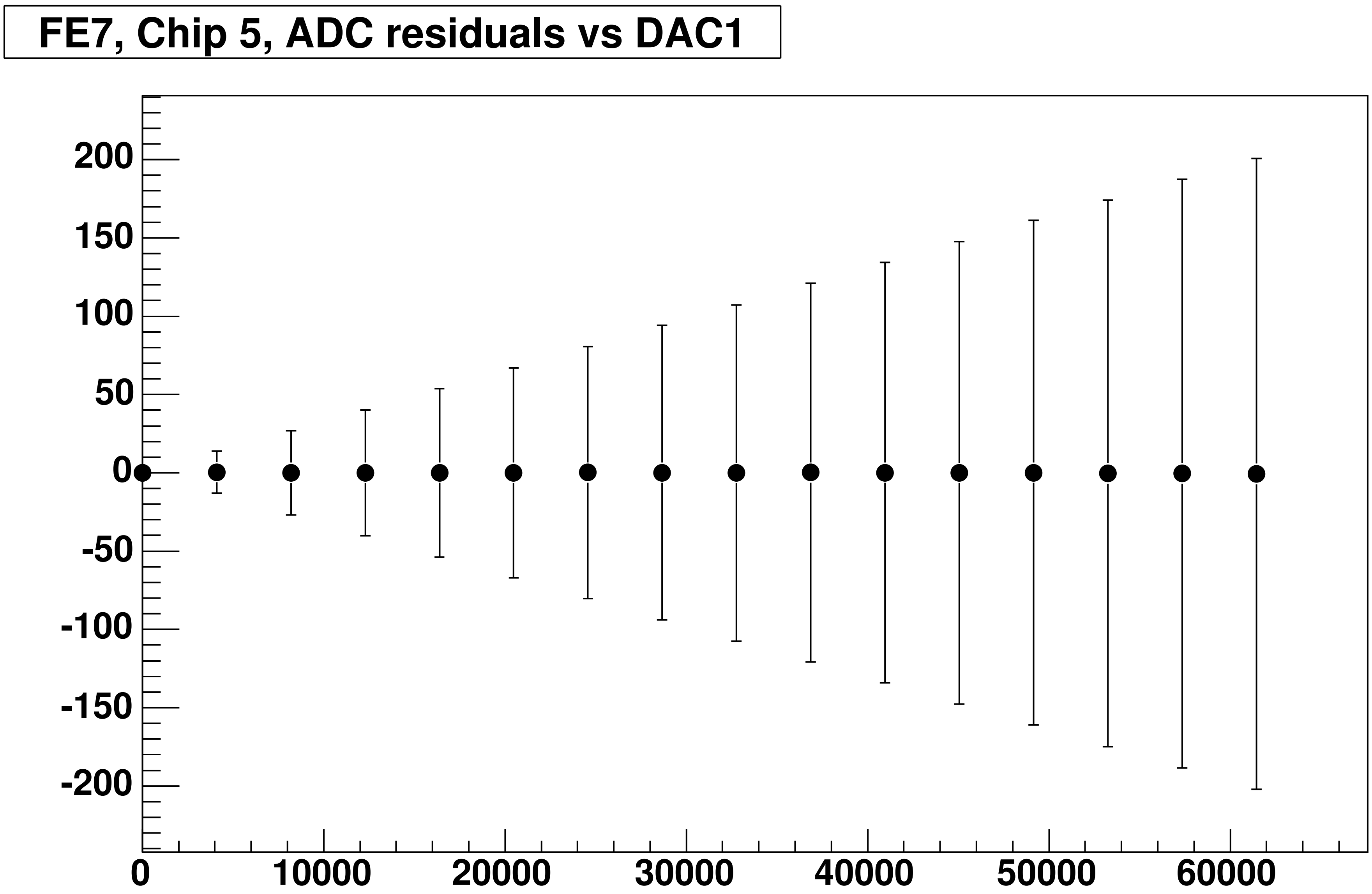
FE7, Chip 5, ADC mean vs DAC0
χ^2 / ndf 0.0015 / 11
p0 19.77 ± 31.13
p1 0.4376 ± 0.0016
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000

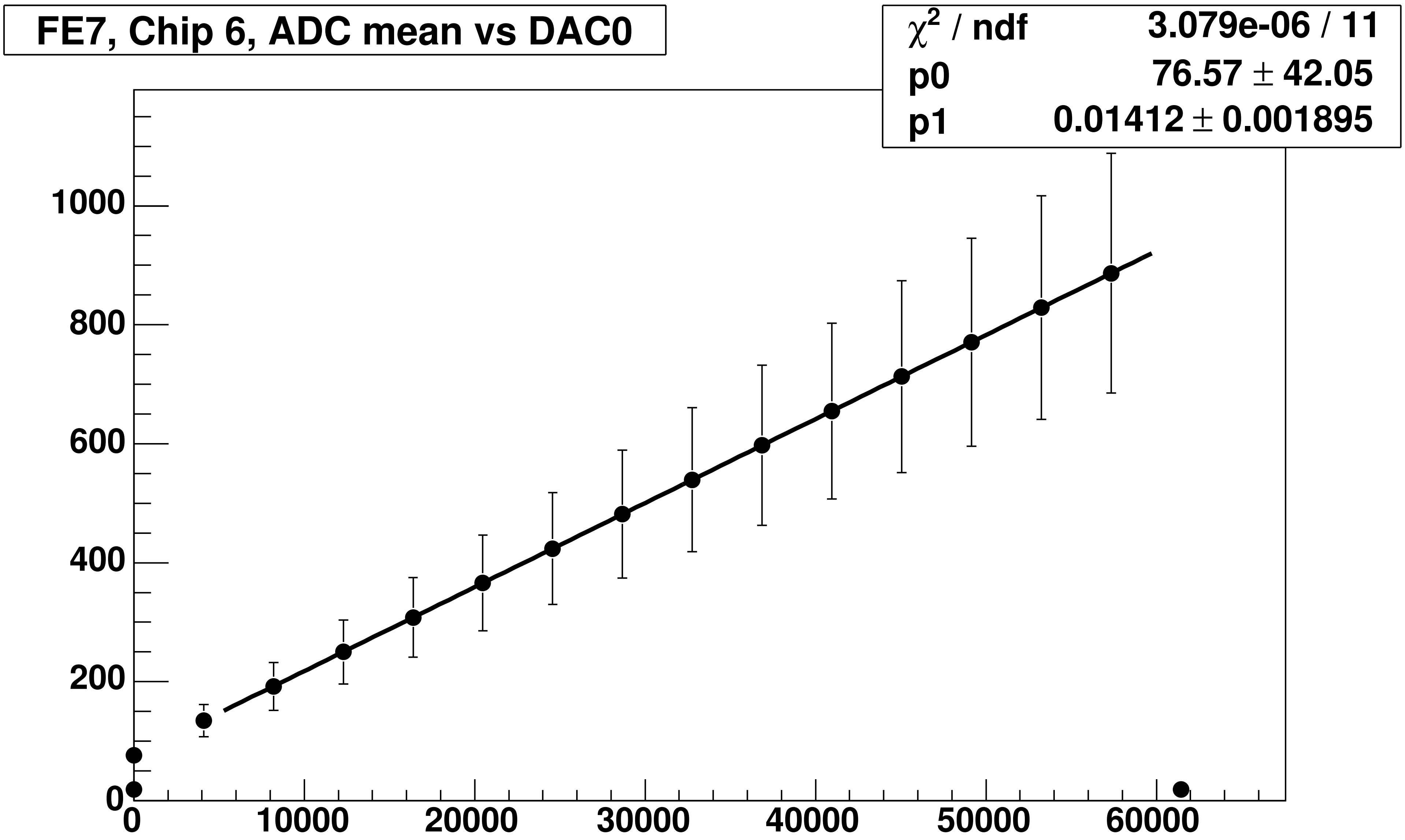

FE7, Chip 5, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

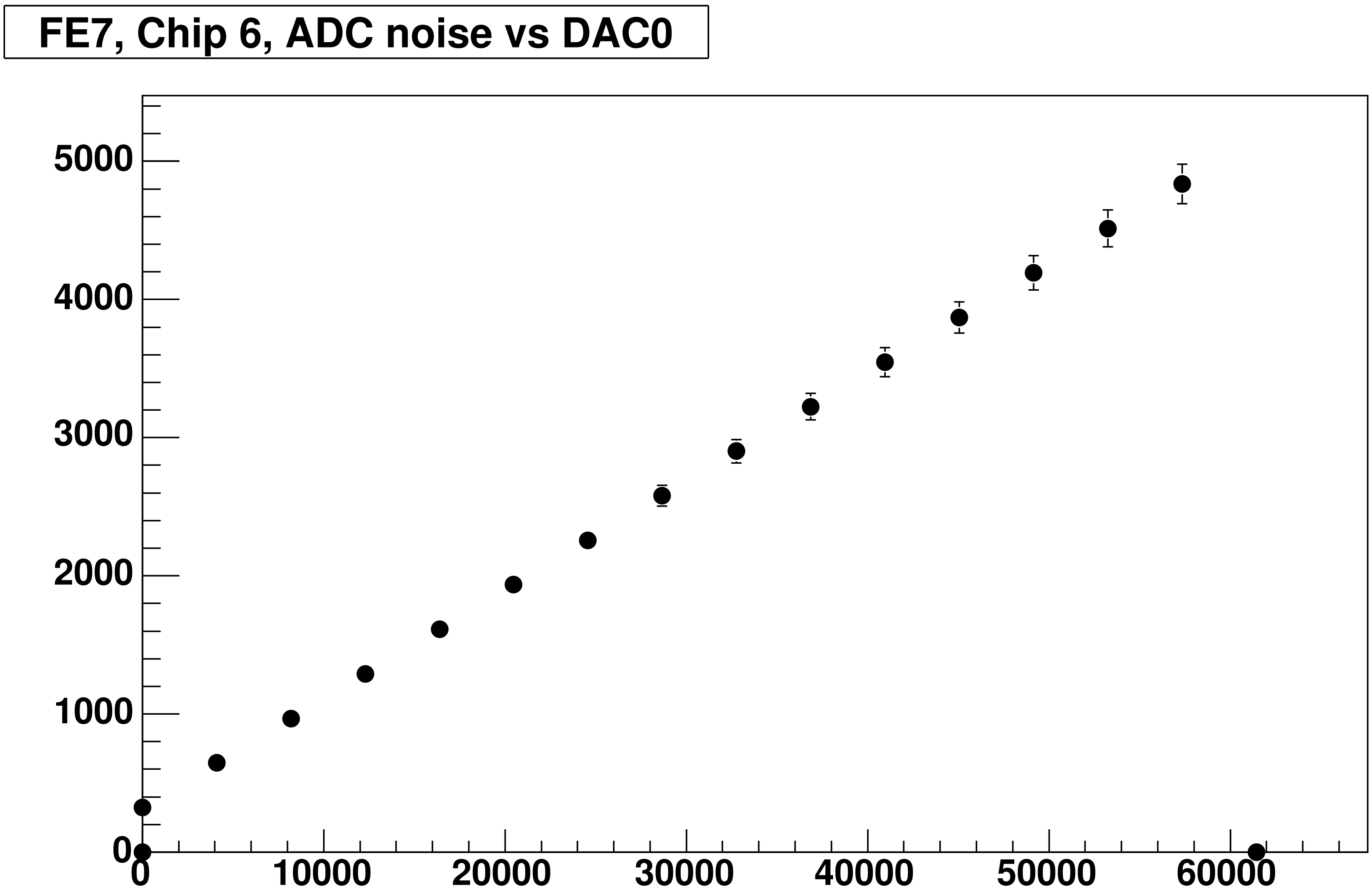

FE7, Chip 5, ADC residuals vs DAC0
800
600
400
200
0
-200
0
10000
20000
30000
40000
50000
60000

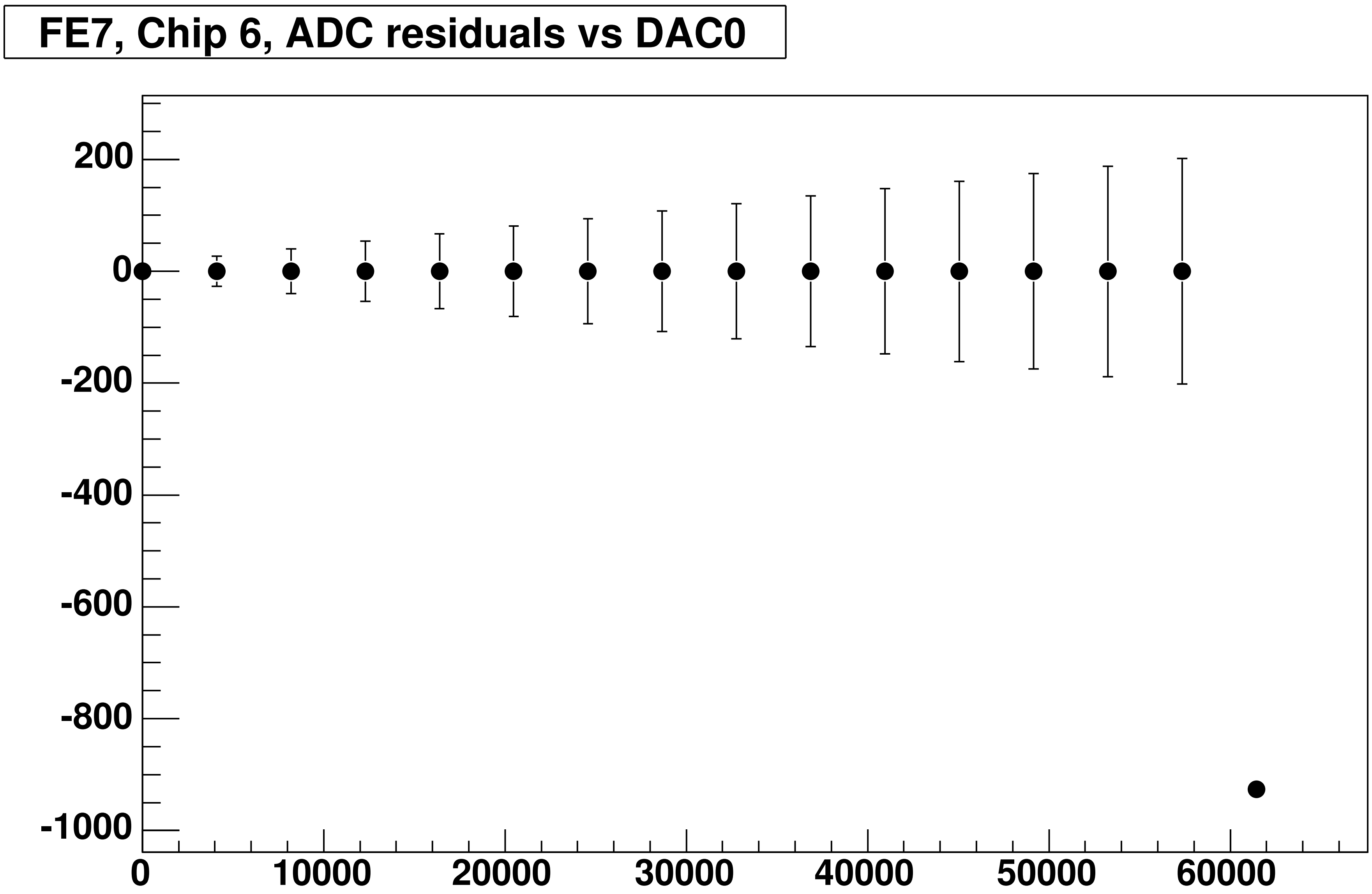

FE7, Chip 5, ADC mean vs DAC1
χ^2 / ndf 2.421e-05 / 11
p0 19.66 ± 31.12
p1 0.01413 ± 0.001599
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

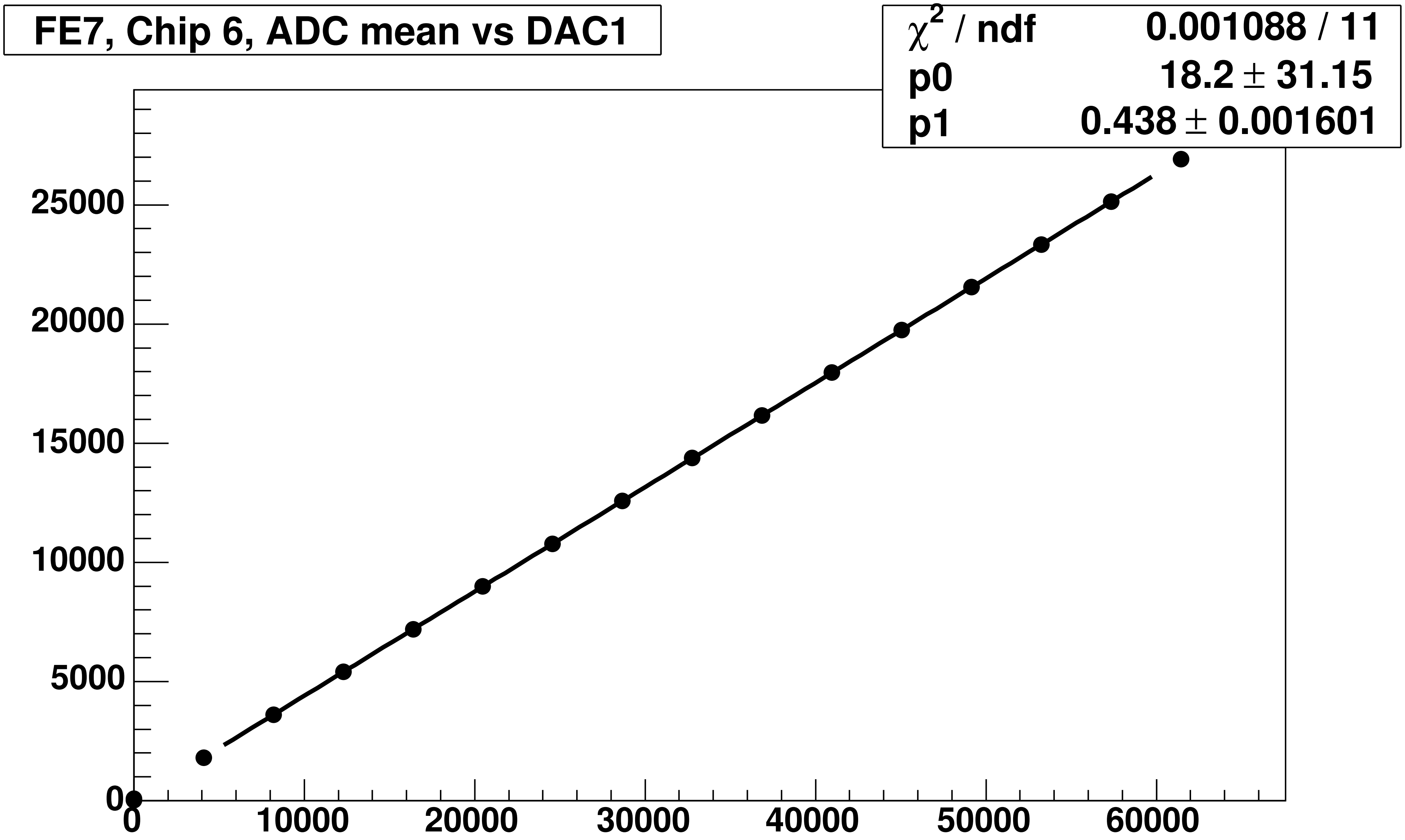

FE7, Chip 5, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

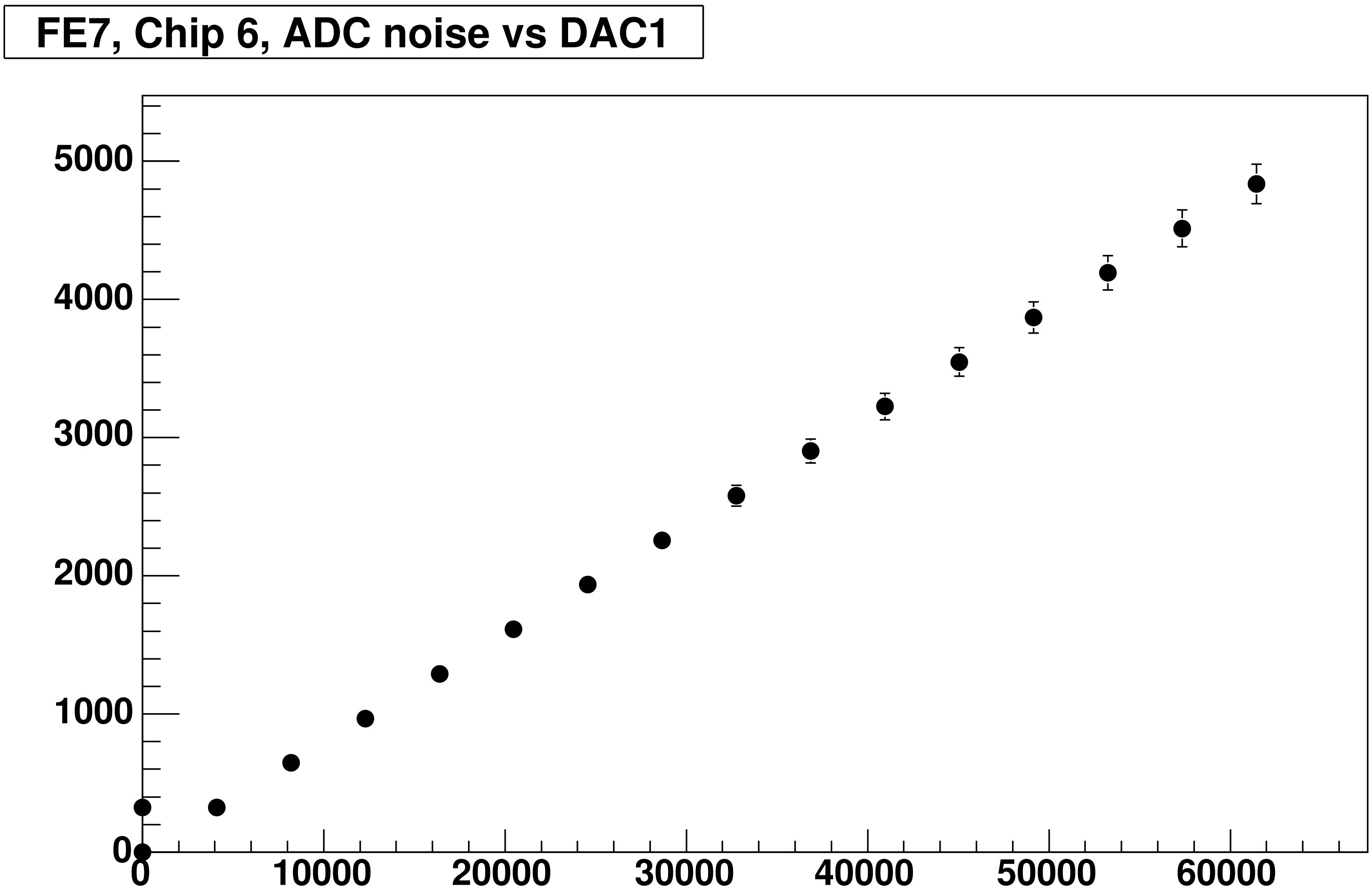

FE7, Chip 6, ADC mean vs DAC0
χ2 / ndf 3.079e-06 / 11
p0 76.57 ± 42.05
p1 0.01412 ± 0.001895
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

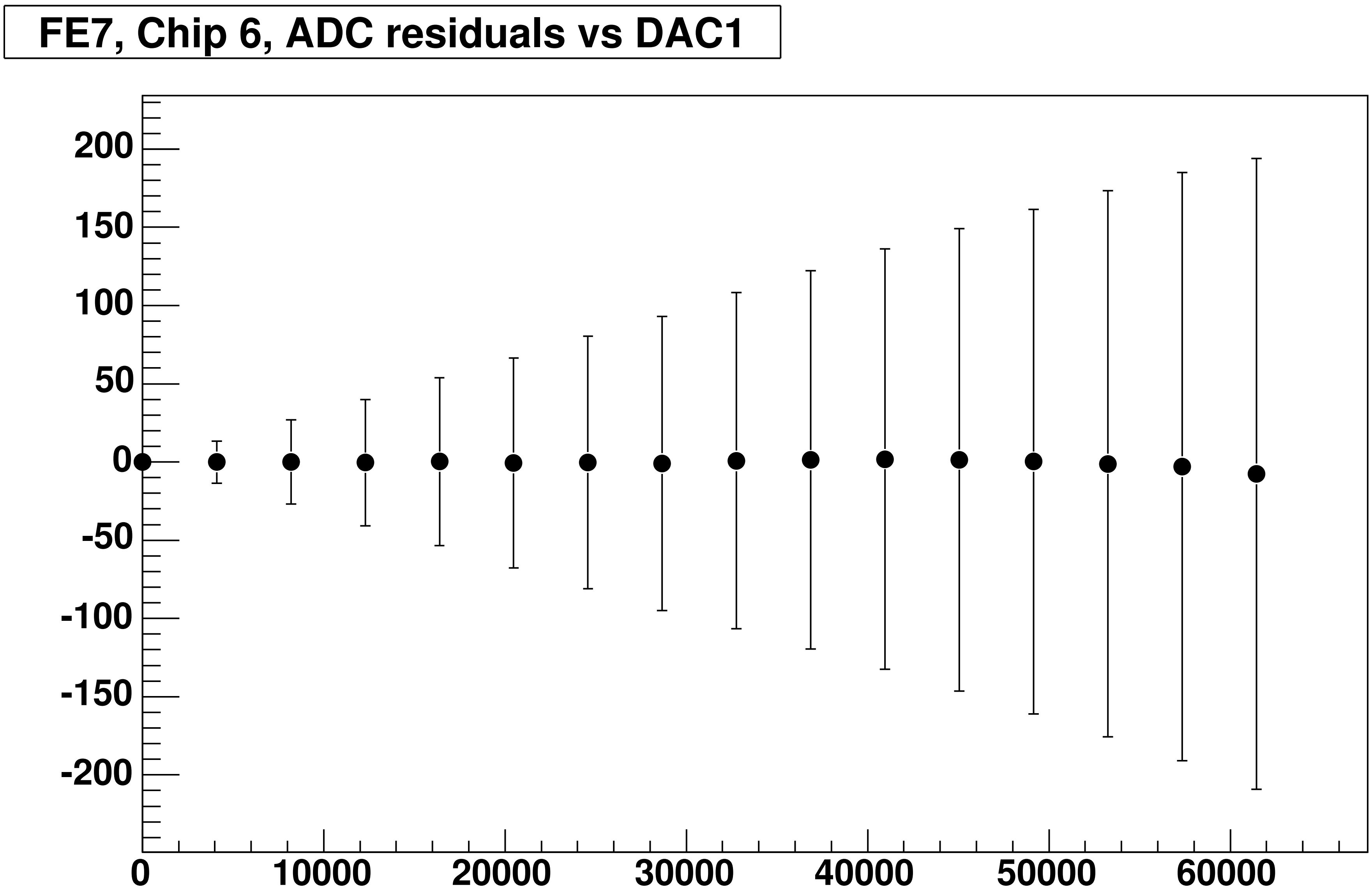

FE7, Chip 6, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

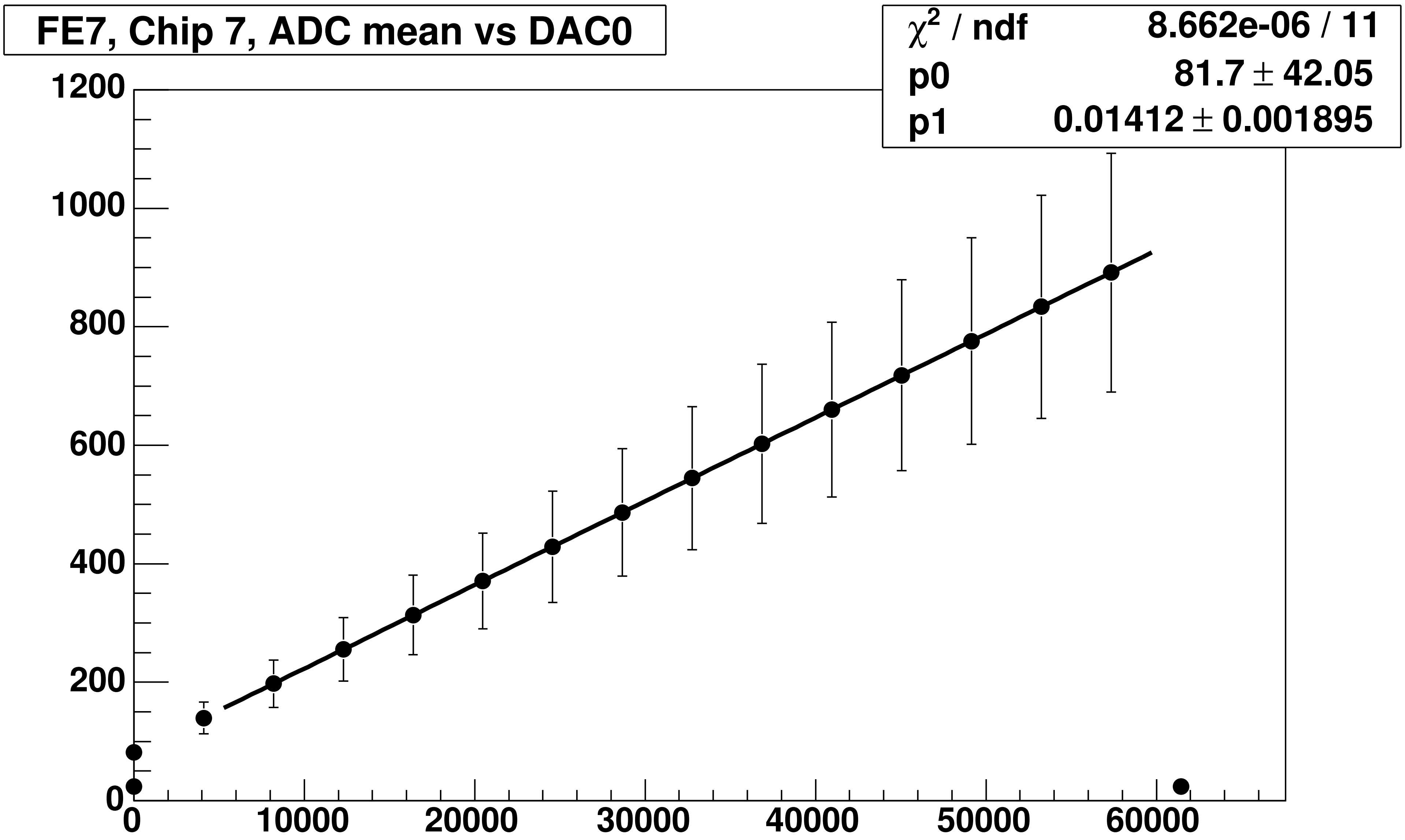

FE7, Chip 6, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

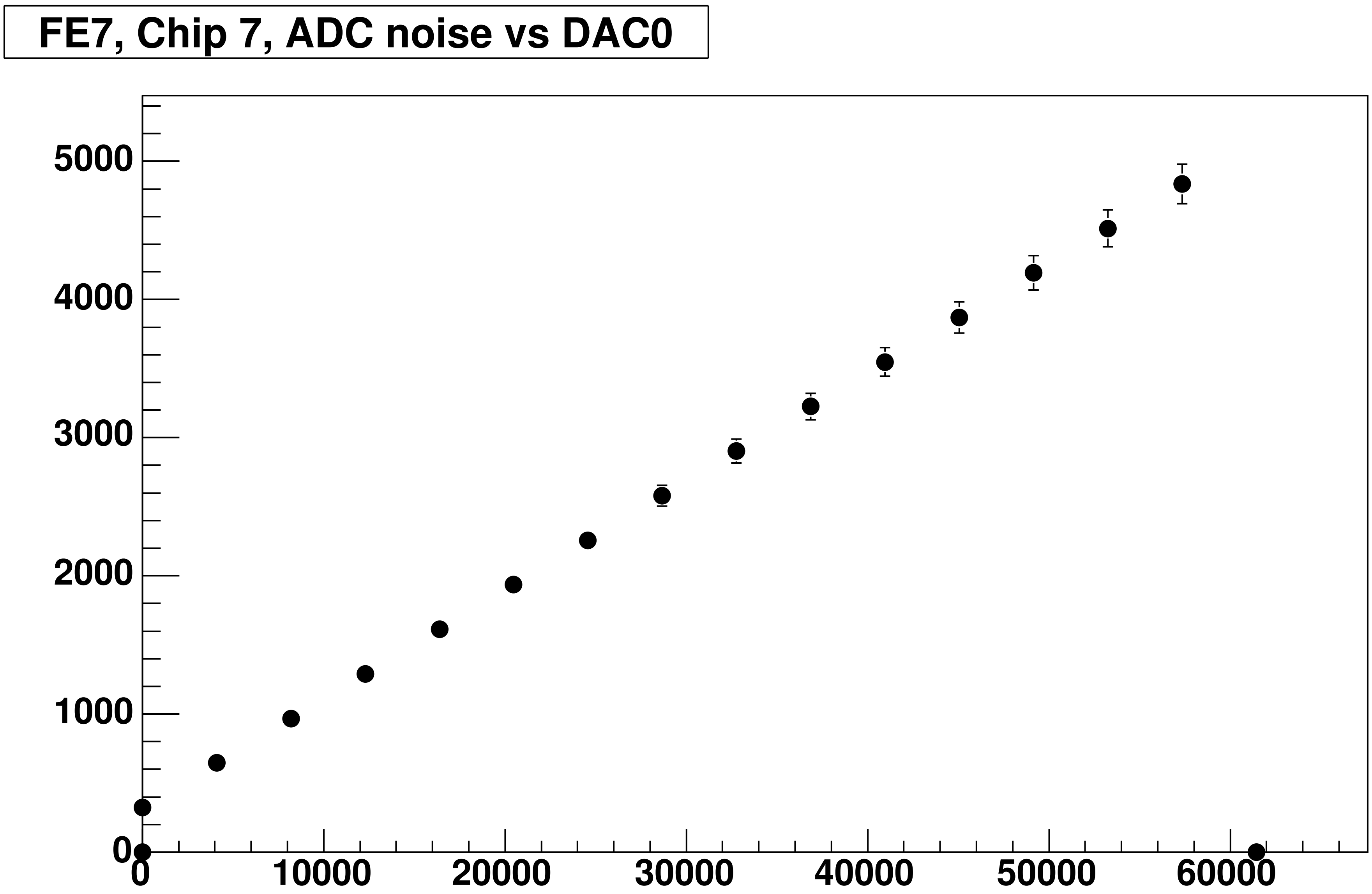


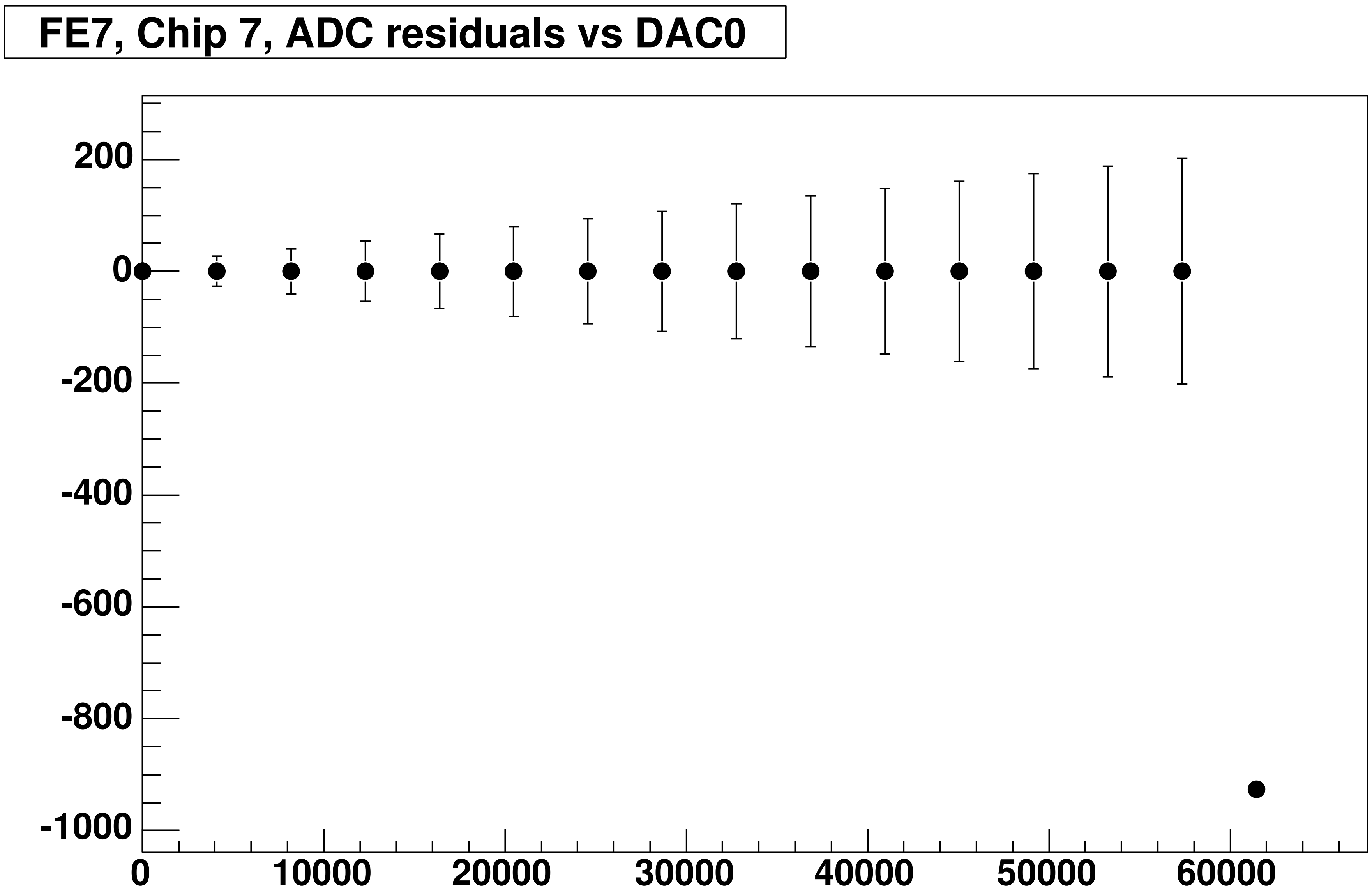
FE7, Chip 6, ADC mean vs DAC1
χ^2 / ndf 0.001088 / 11
p0 18.2 ± 31.15
p1 0.438 ± 0.001601
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

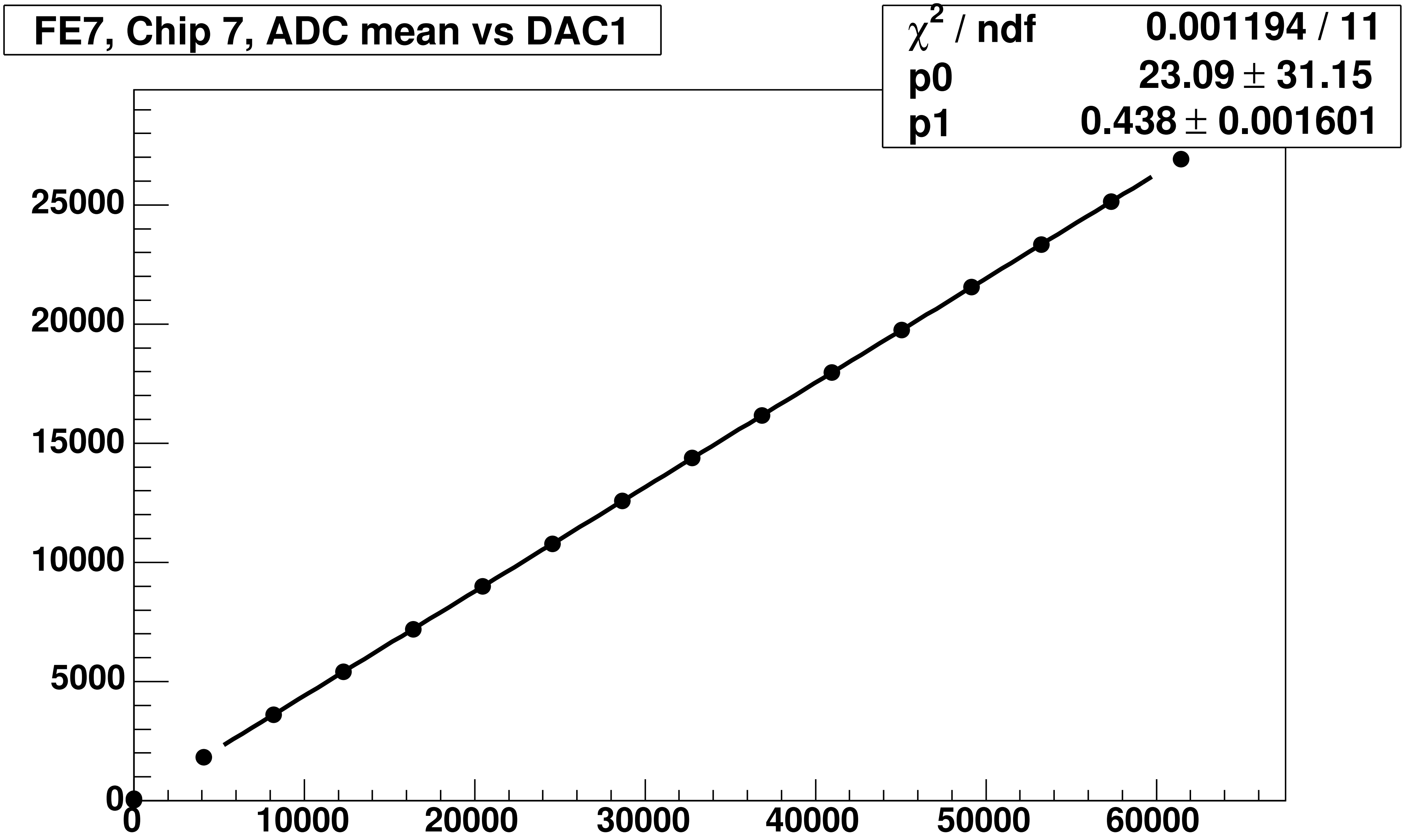

FE7, Chip 6, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

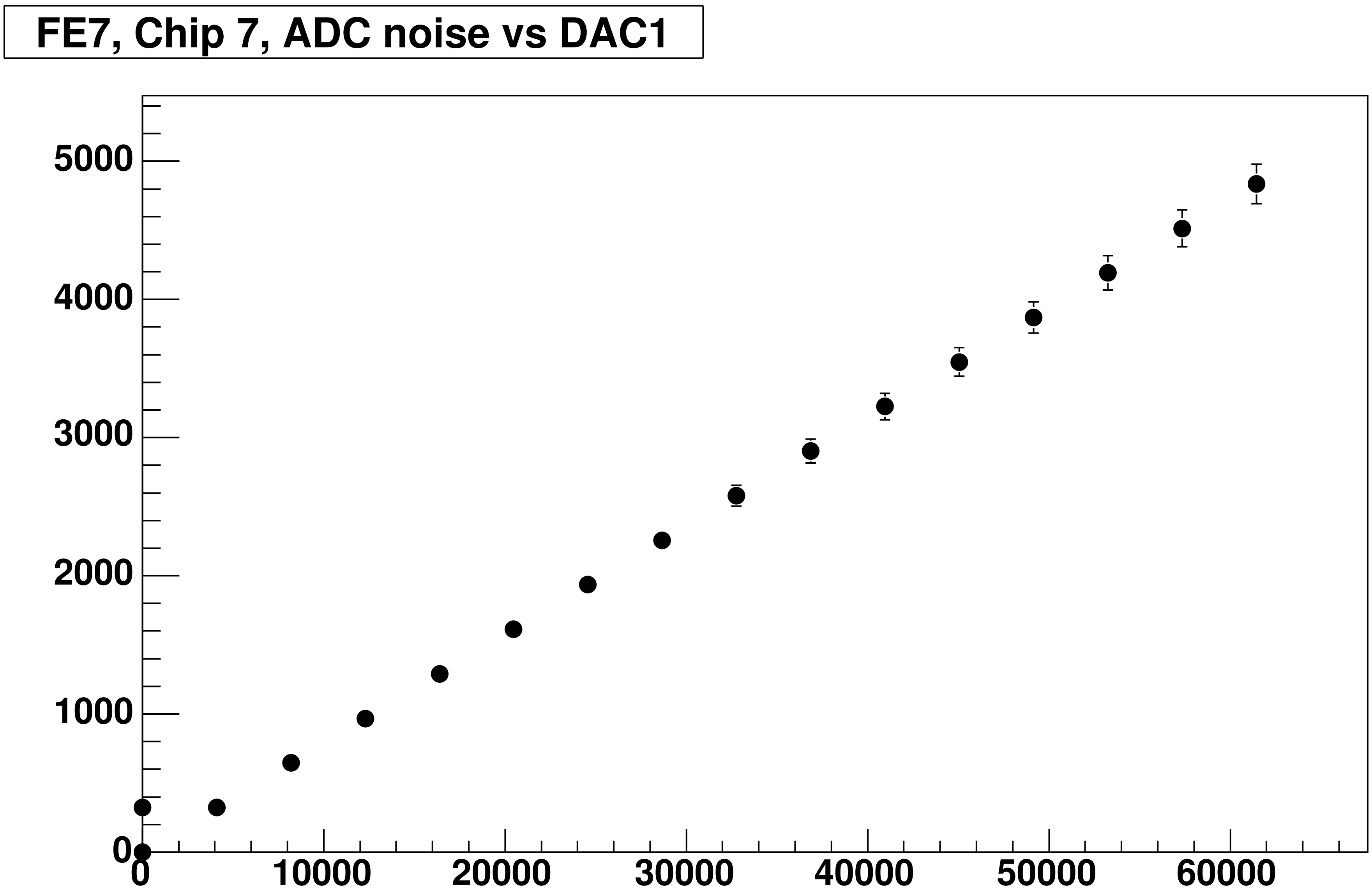

FE7, Chip 6, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000

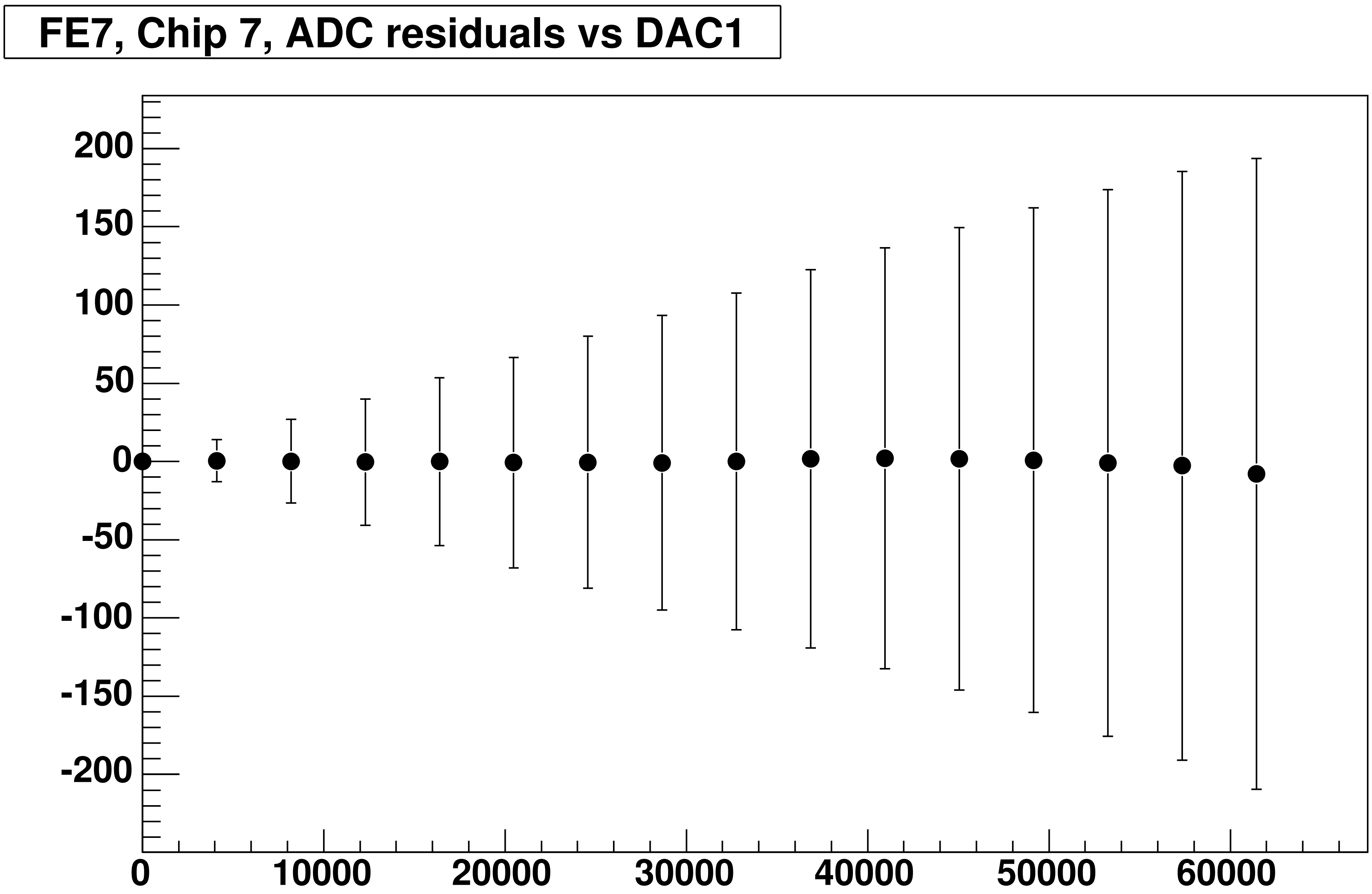

FE7, Chip 7, ADC mean vs DAC0
χ^2 / ndf 8.662e-06 / 11
p0 81.7 ± 42.05
p1 0.01412 ± 0.001895
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

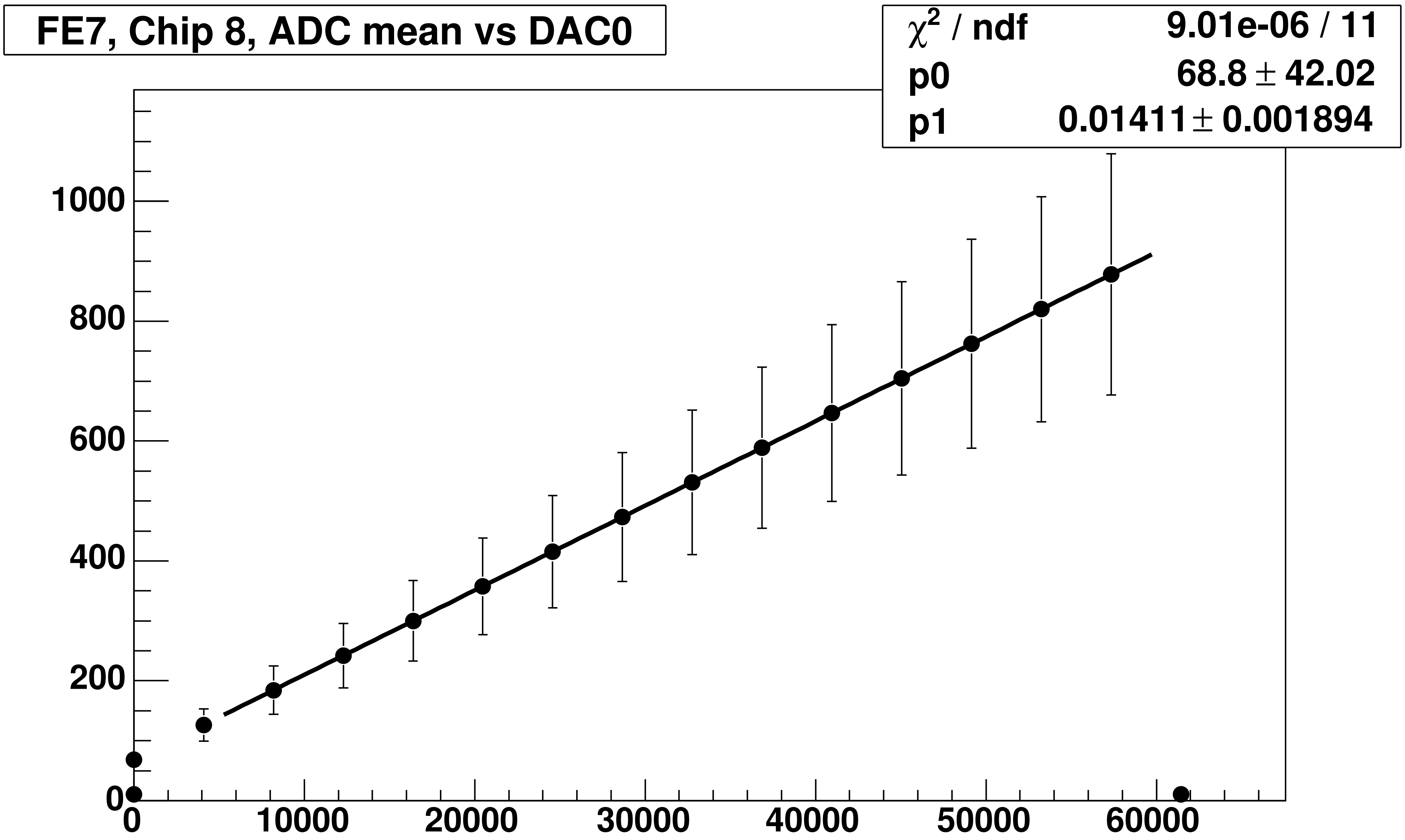

FE7, Chip 7, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

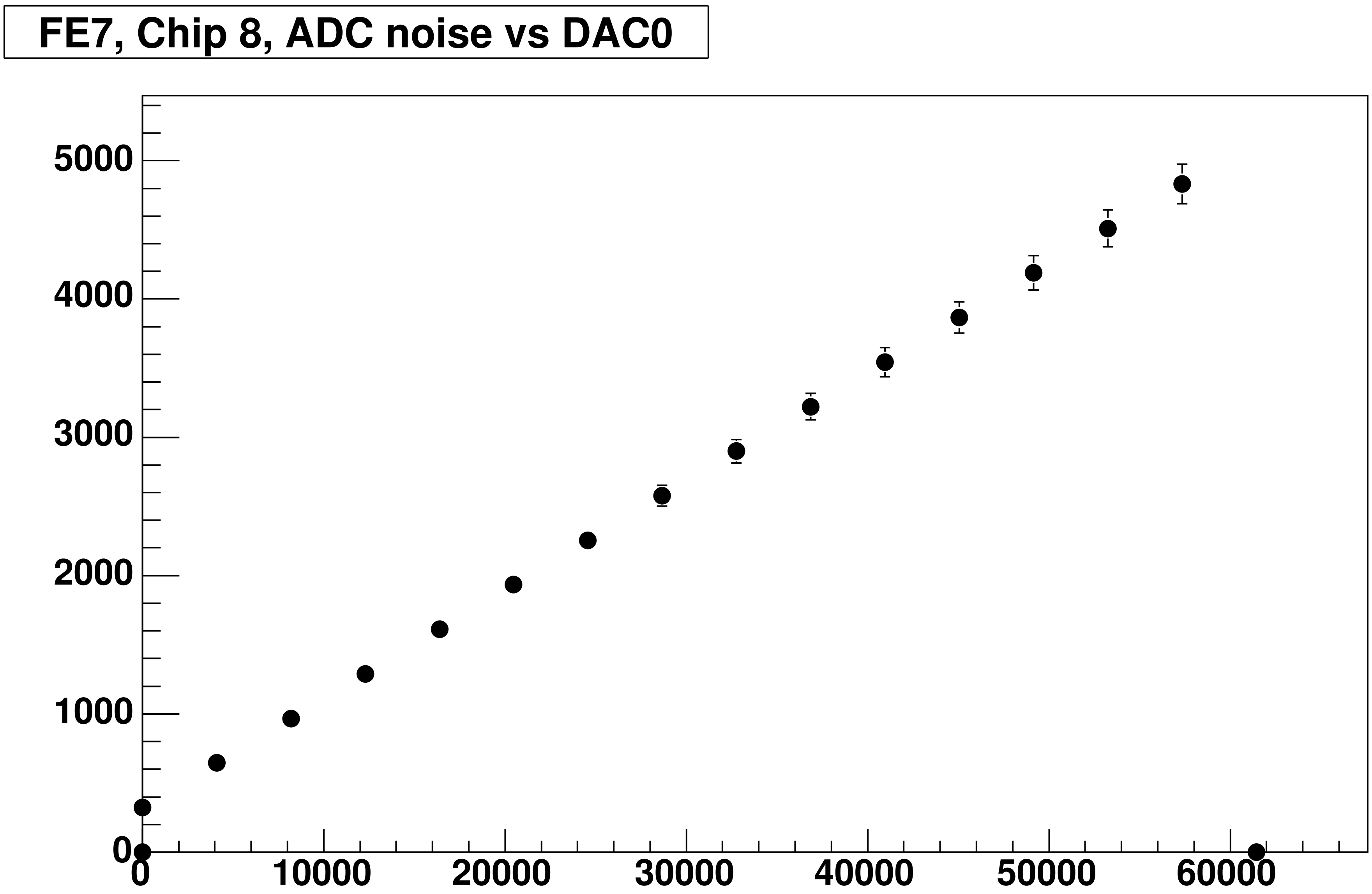

FE7, Chip 7, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

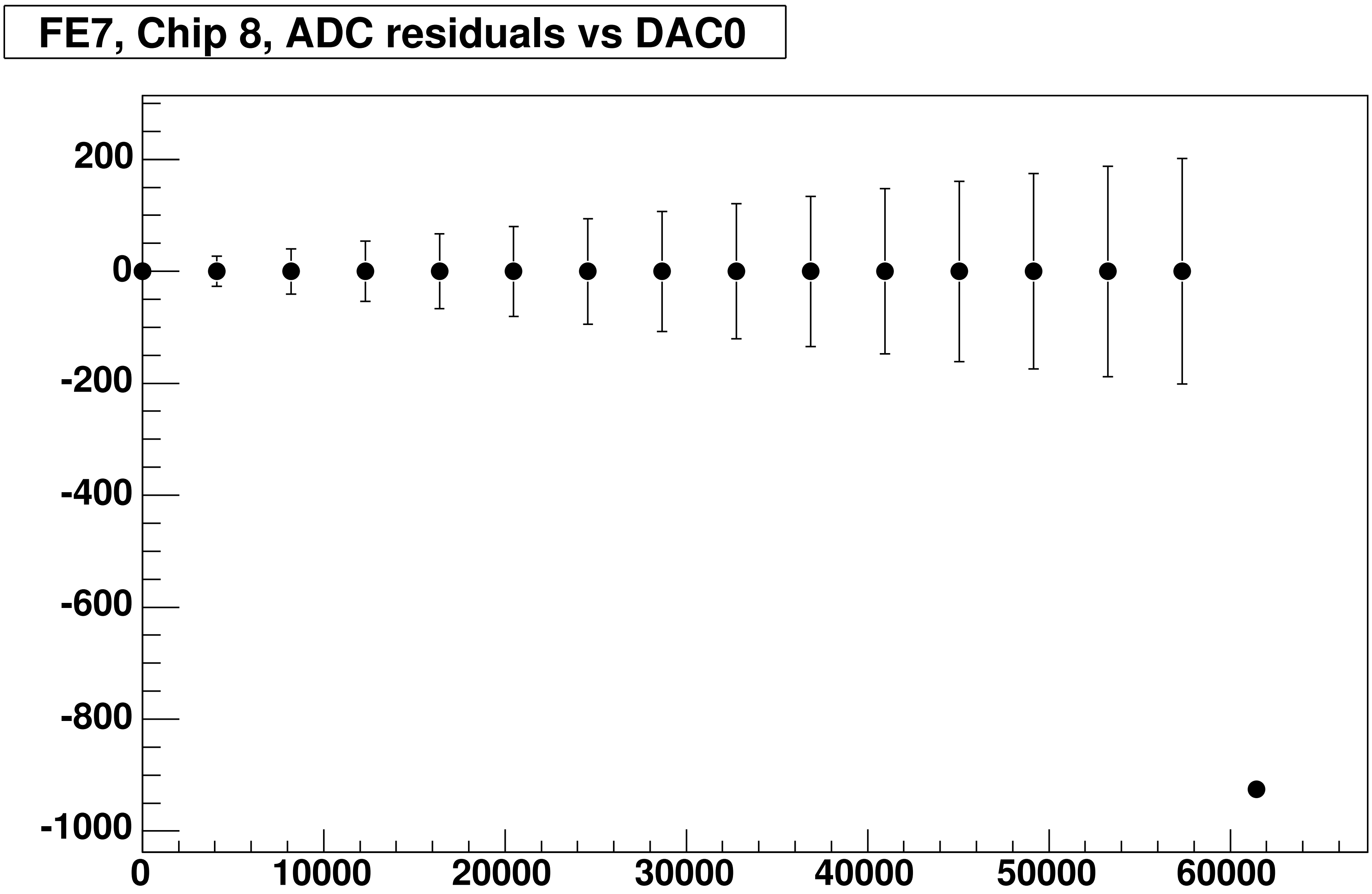

FE7, Chip 7, ADC mean vs DAC1
χ^2 / ndf 0.001194 / 11
p0 23.09 ± 31.15
p1 0.438 ± 0.001601
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

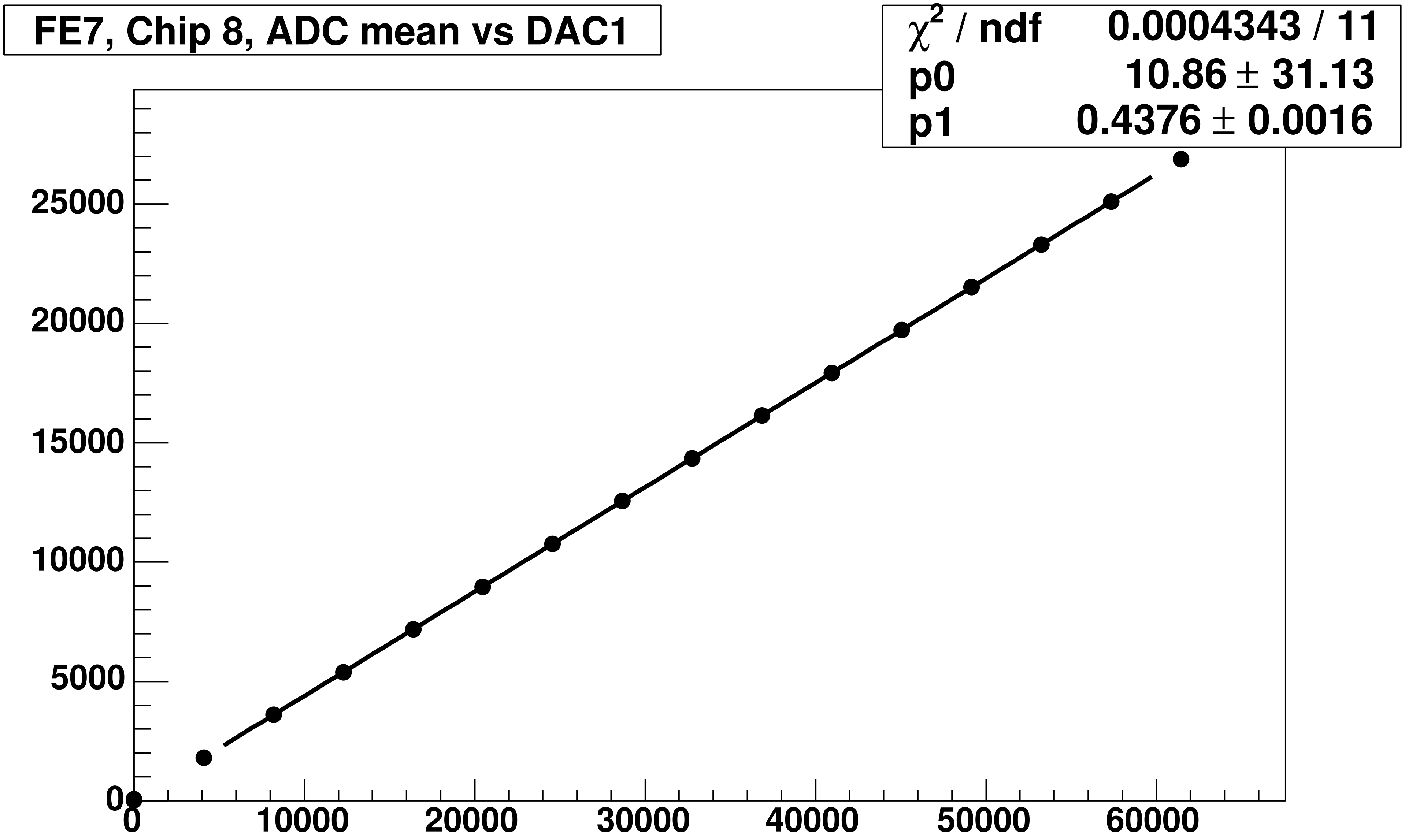

FE7, Chip 7, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000


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

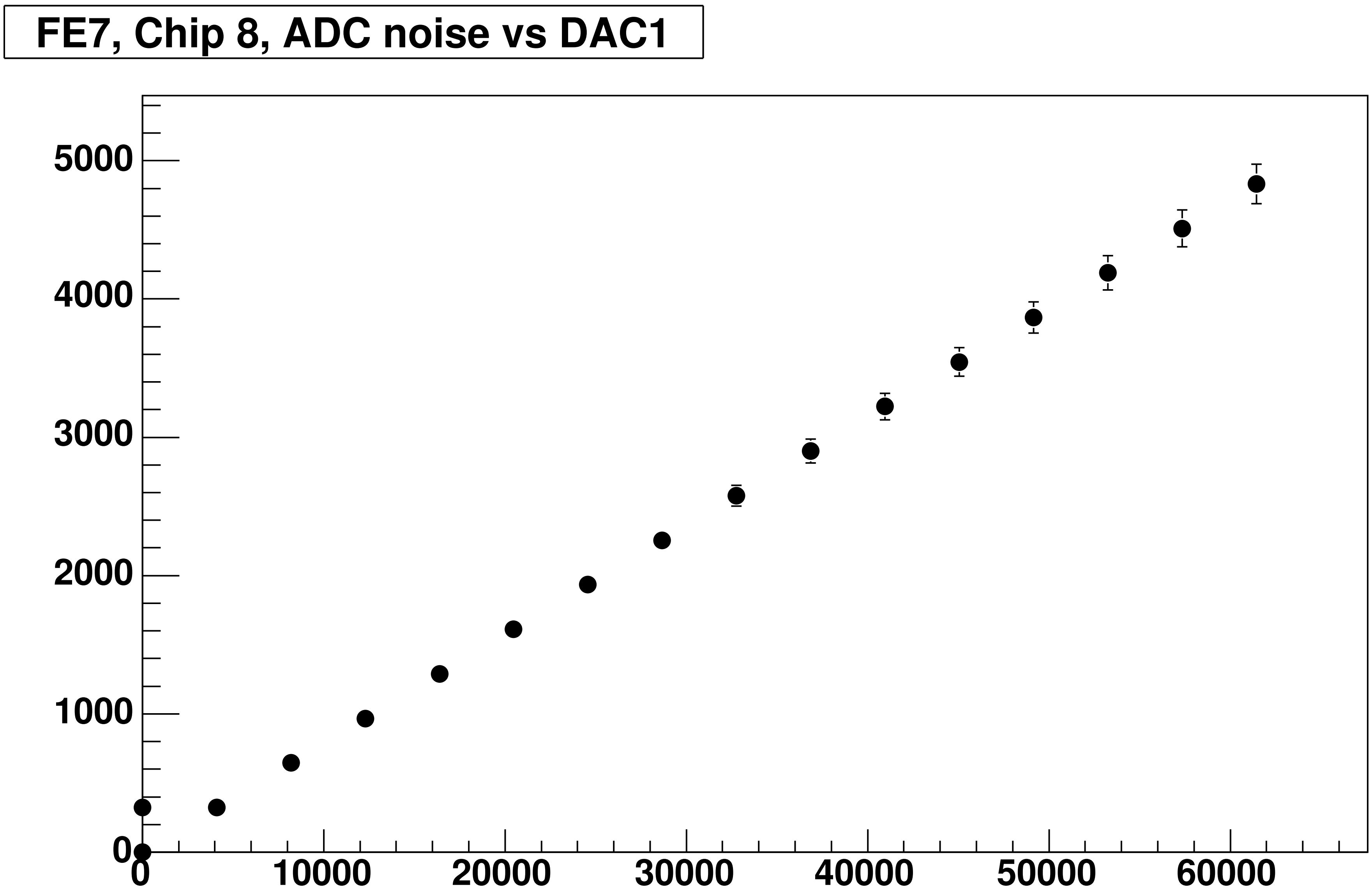

FE7, Chip 8, ADC mean vs DAC0
χ^2 / ndf 9.01e-06 / 11
p0 68.8 ± 42.02
p1 0.01411 ± 0.001894
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

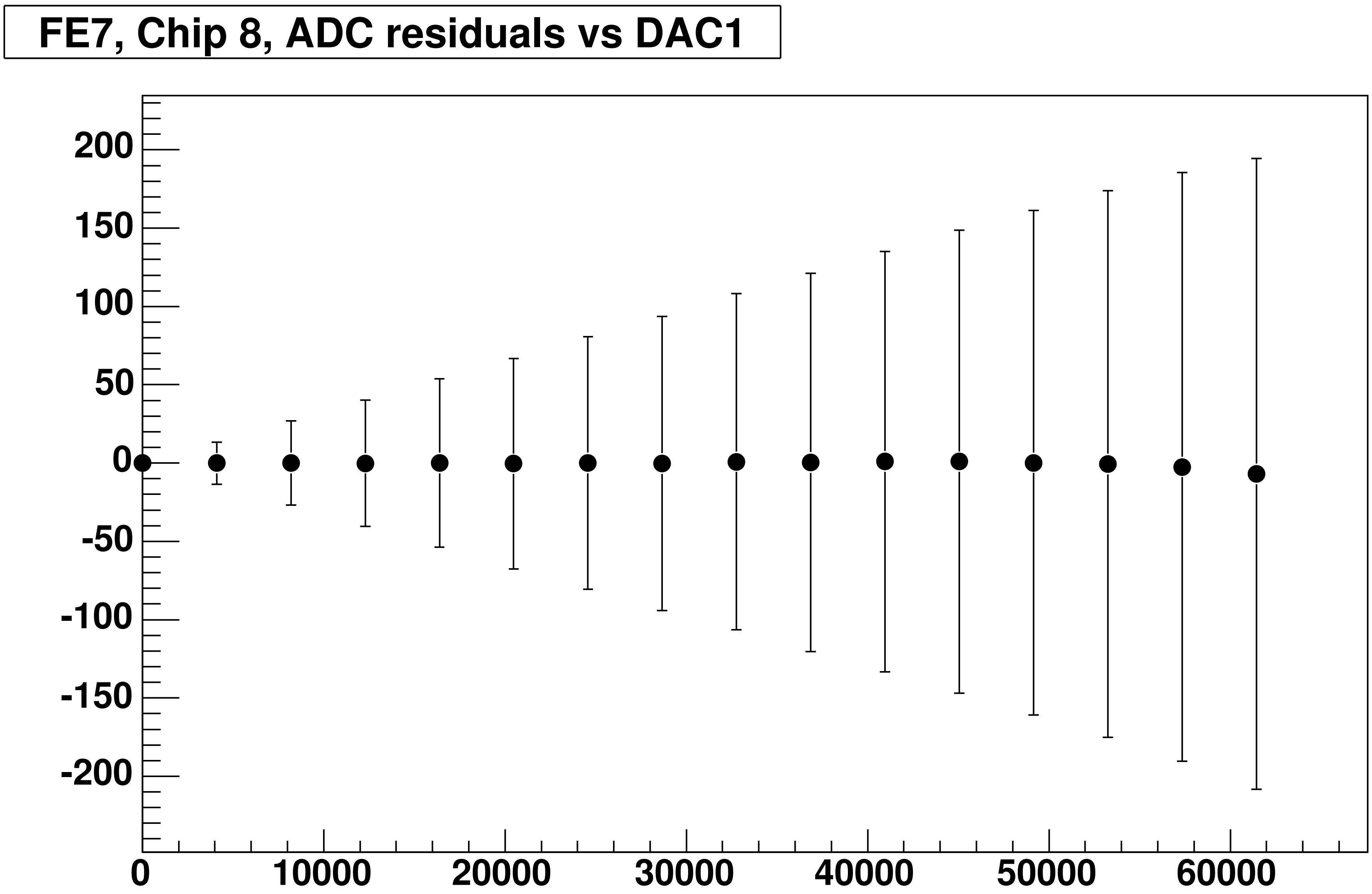

FE7, Chip 8, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

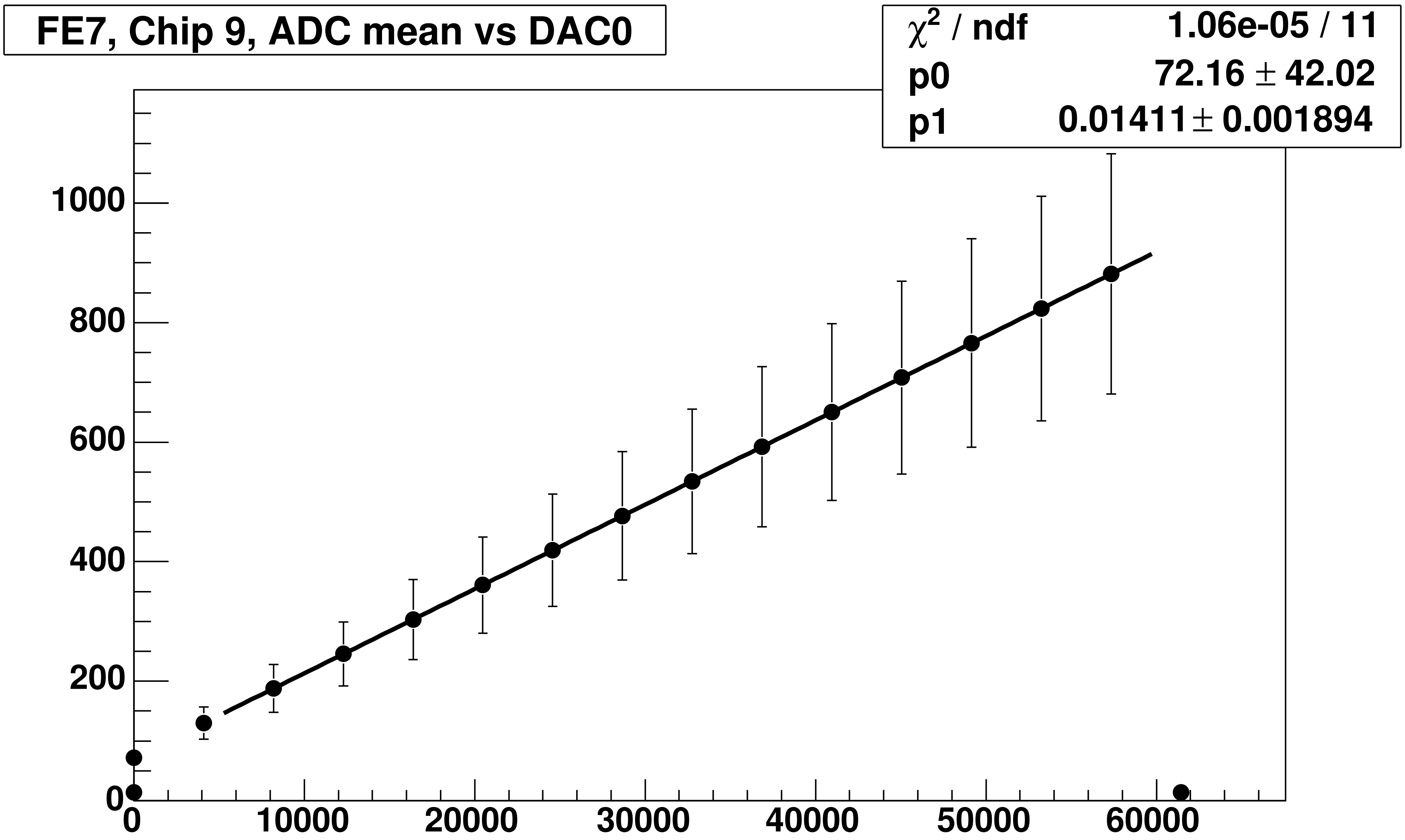

FE7, Chip 8, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

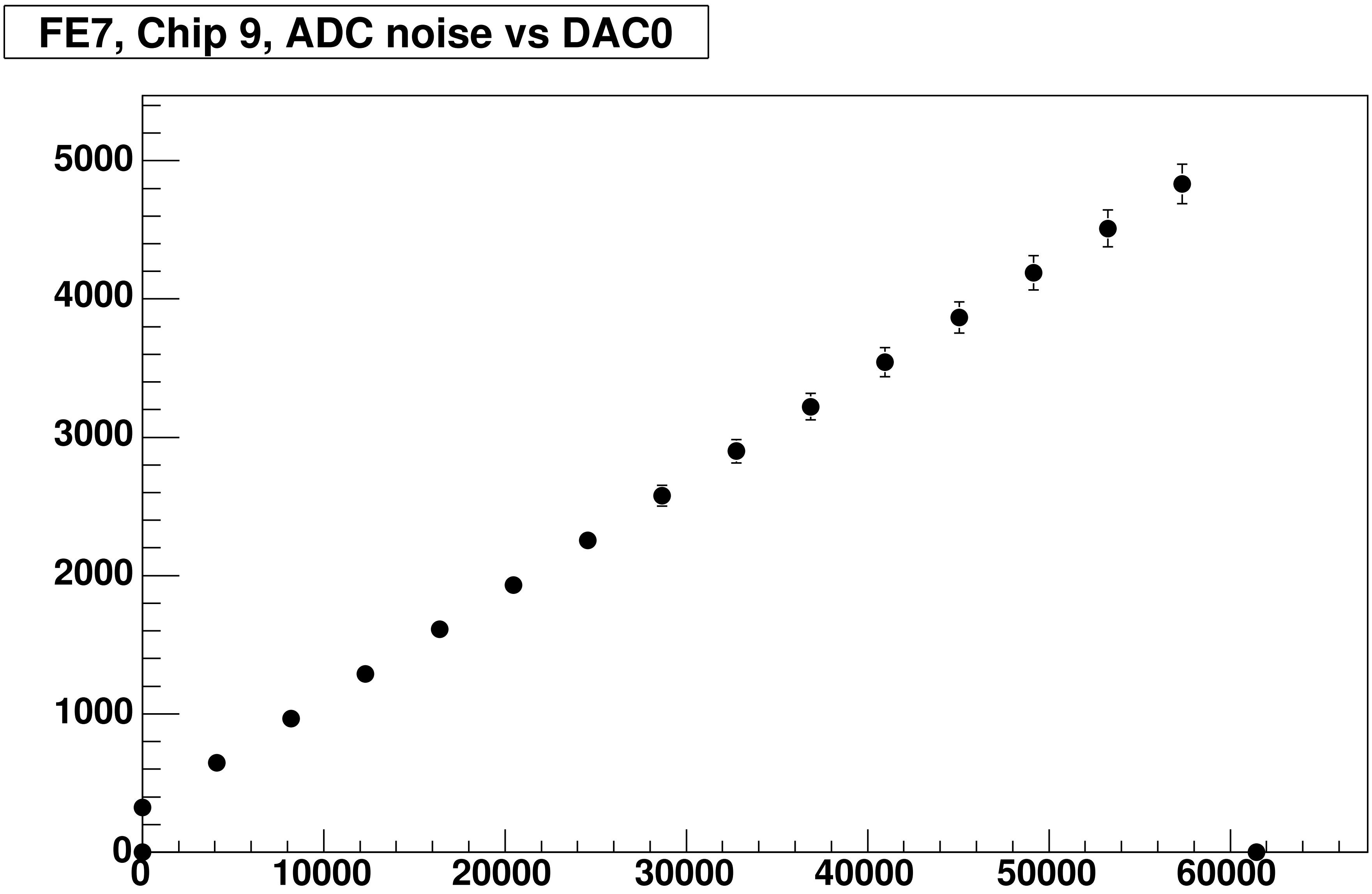


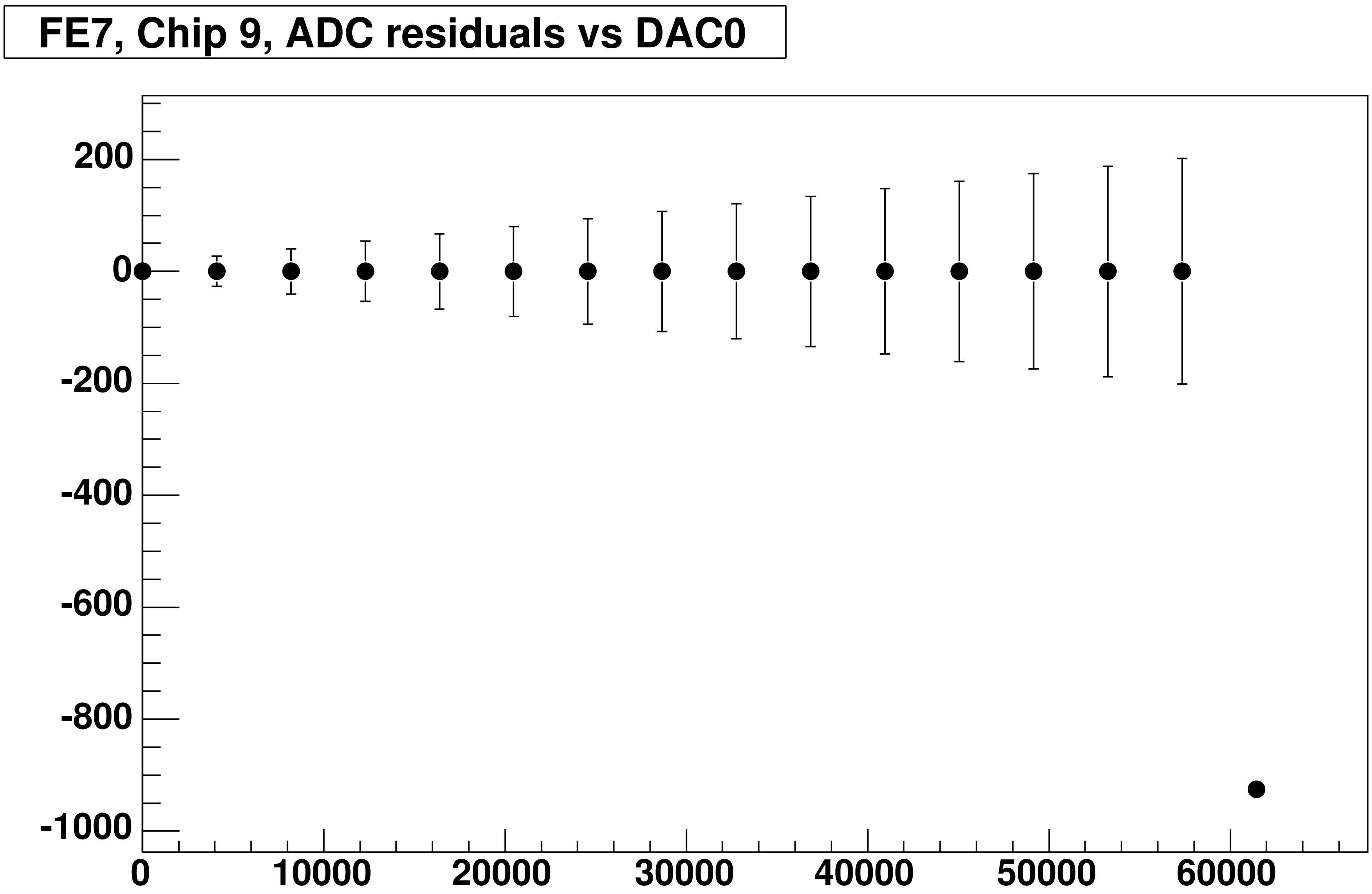
FE7, Chip 8, ADC mean vs DAC1
χ^2 / ndf 0.0004343 / 11
p0 10.86 ± 31.13
p1 0.4376 ± 0.0016
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

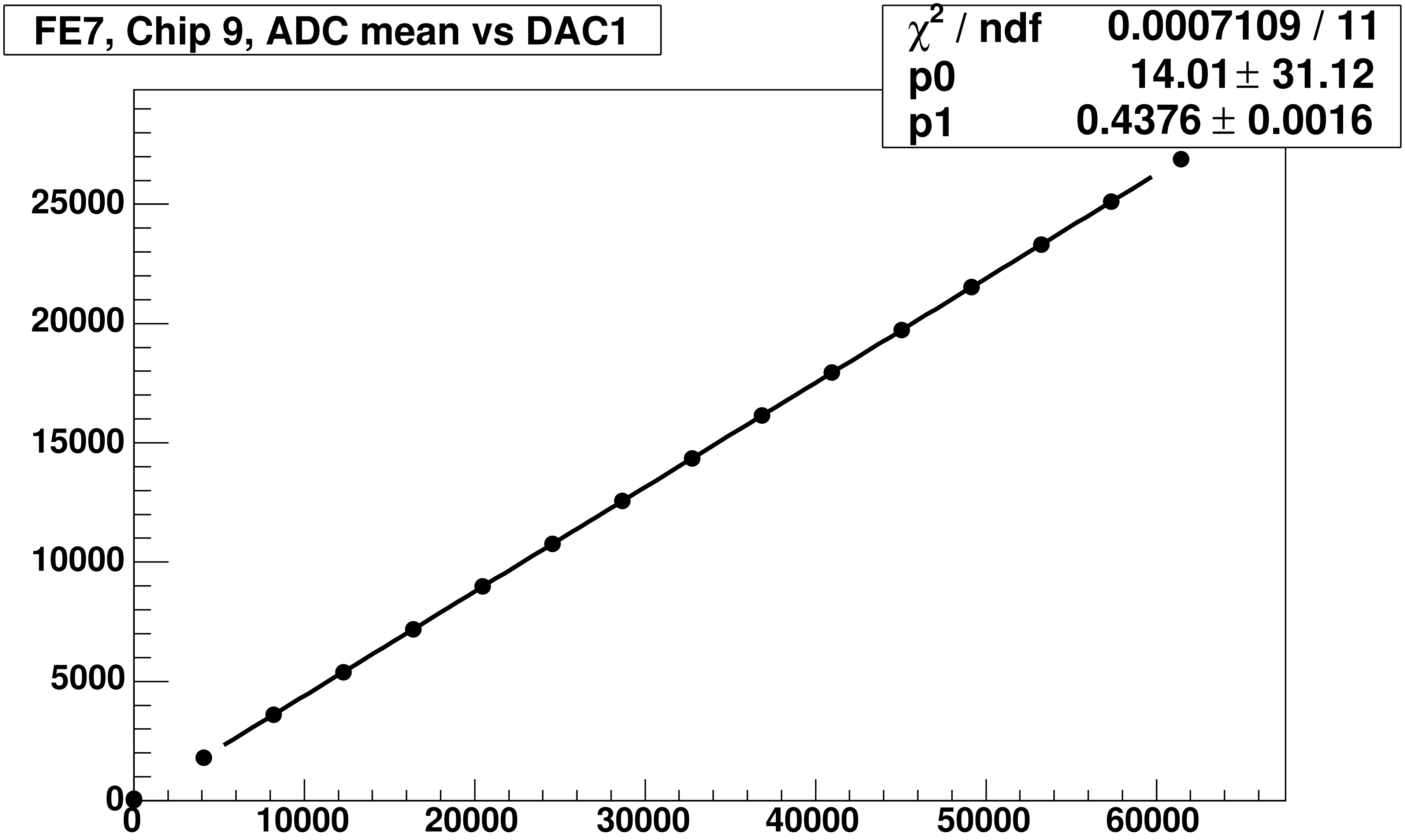

FE7, Chip 8, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

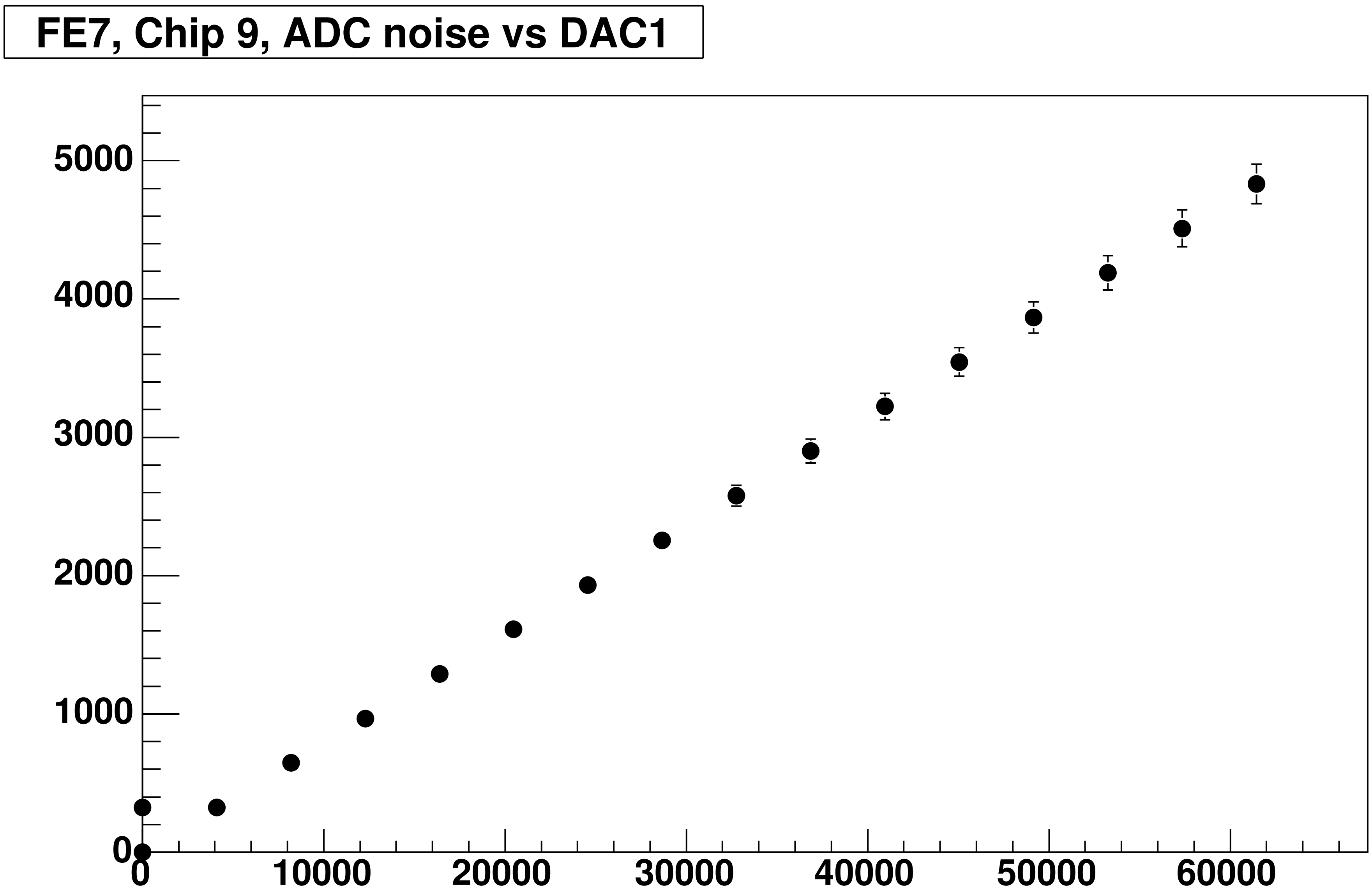

FE7, Chip 8, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 9, ADC mean vs DAC0
χ² / ndf 1.06e-05 / 11
p0 72.16 ± 42.02
p1 0.01411 ± 0.001894
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

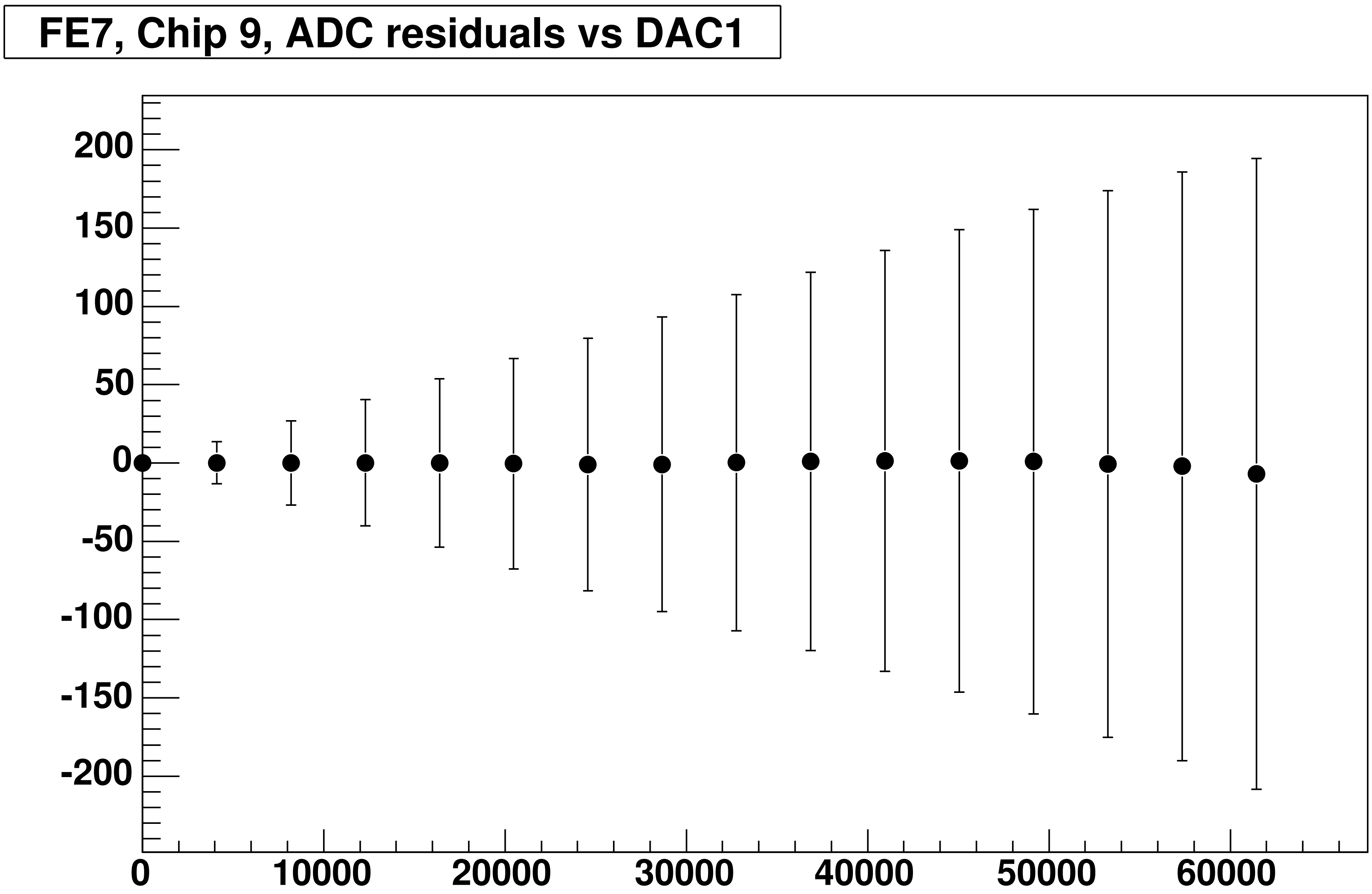

FE7, Chip 9, ADC noise vs DAC0
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000

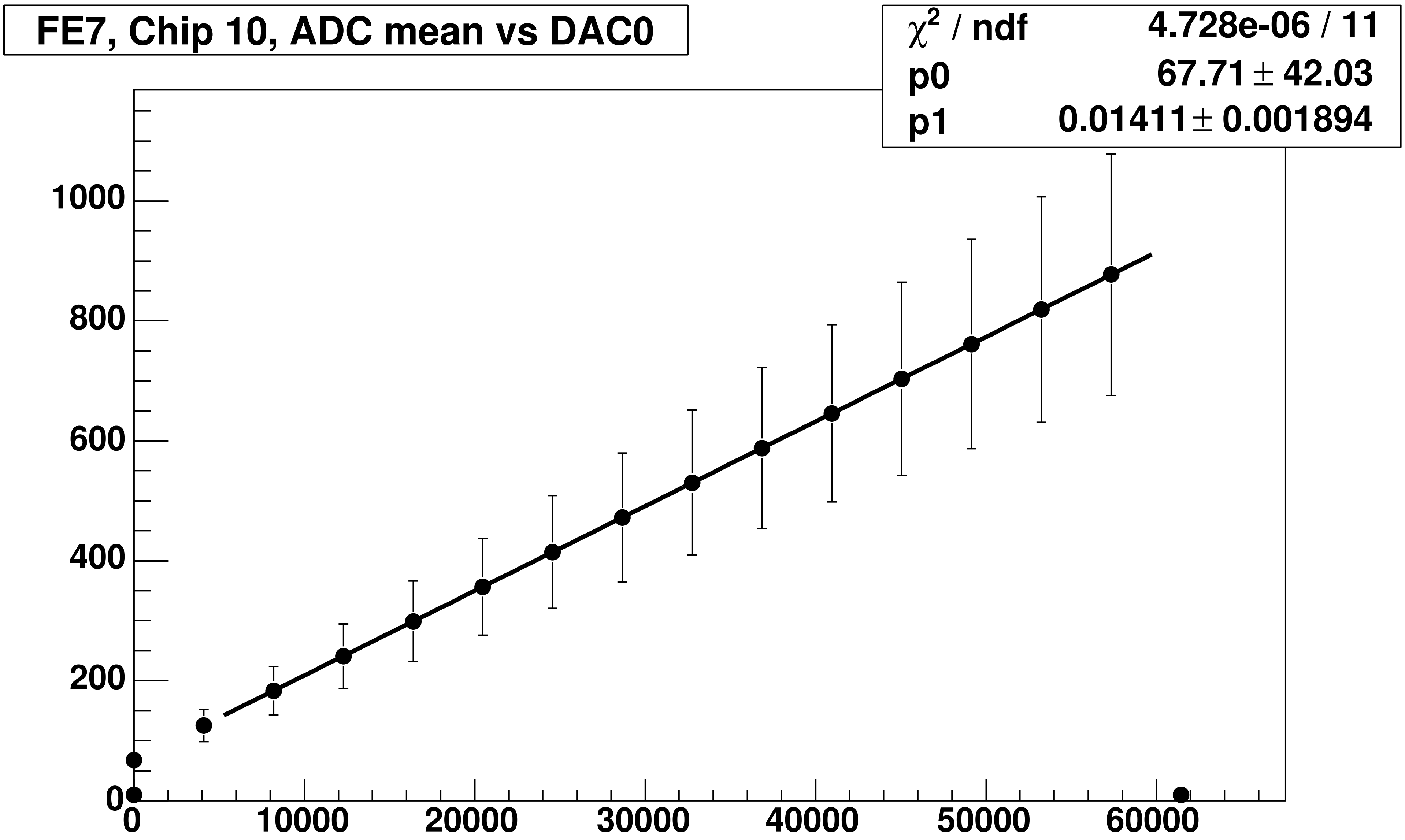

FE7, Chip 9, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

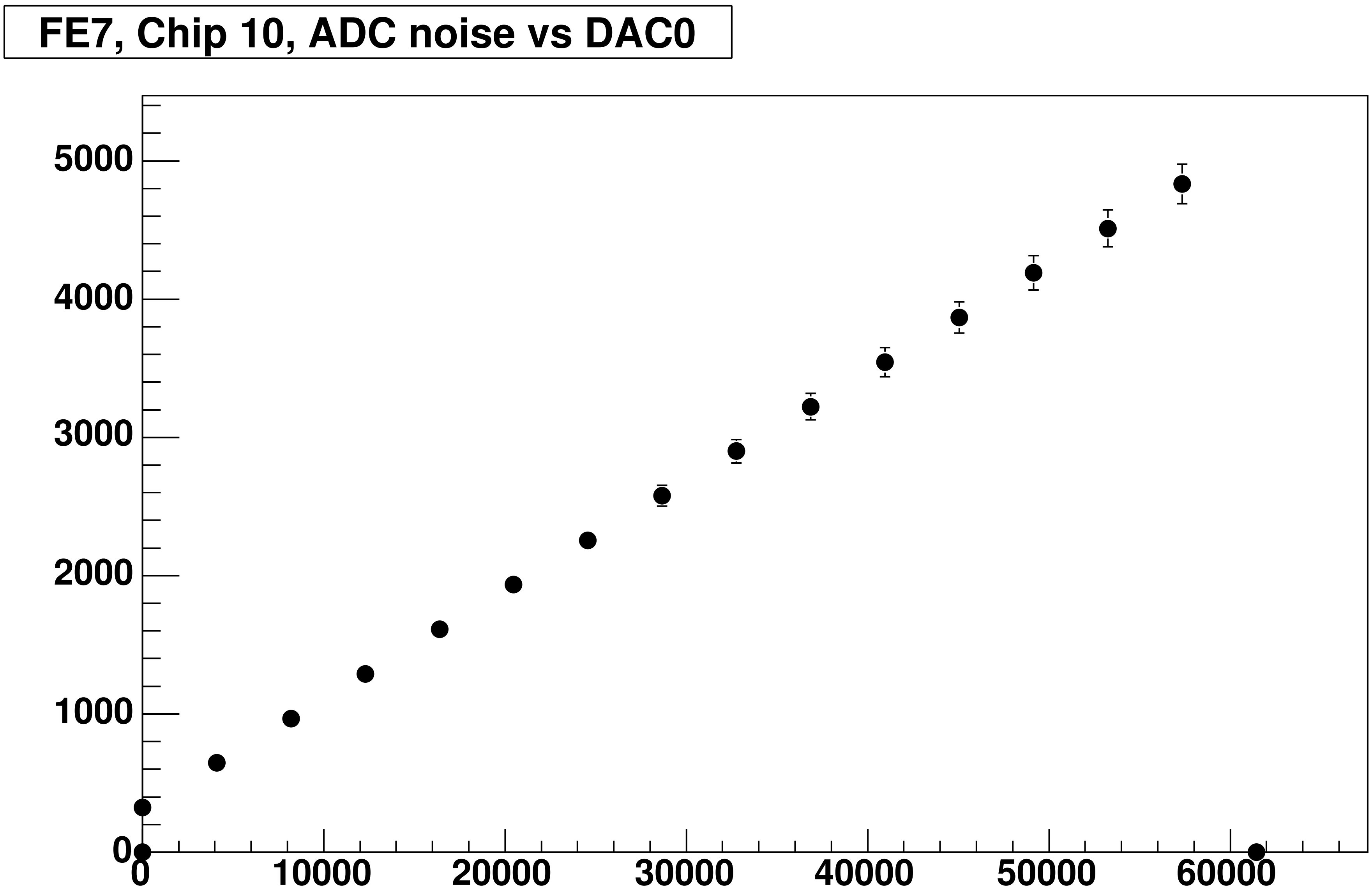

FE7, Chip 9, ADC mean vs DAC1
χ^2 / ndf 0.0007109 / 11
p0 14.01 ± 31.12
p1 0.4376 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

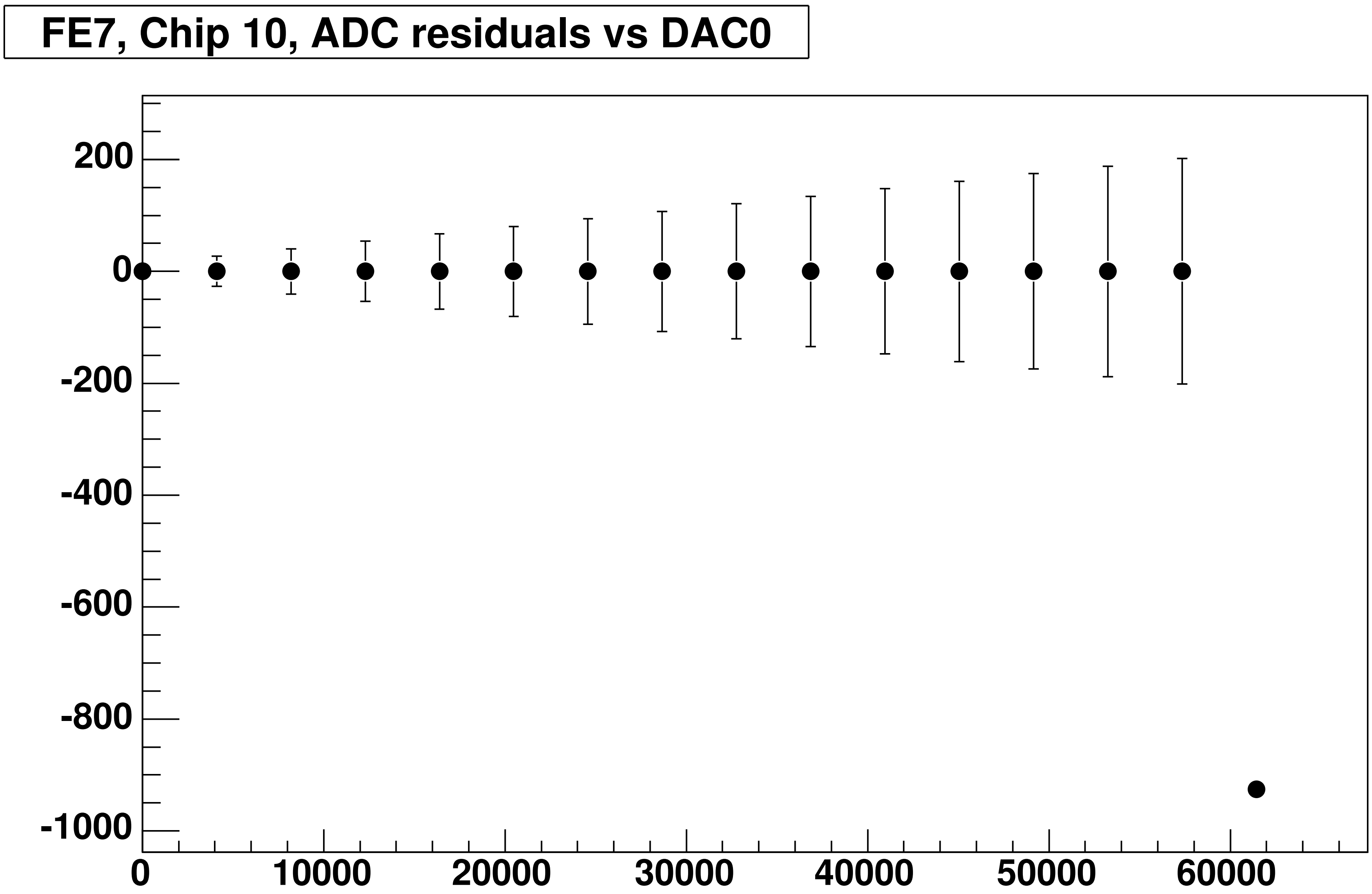


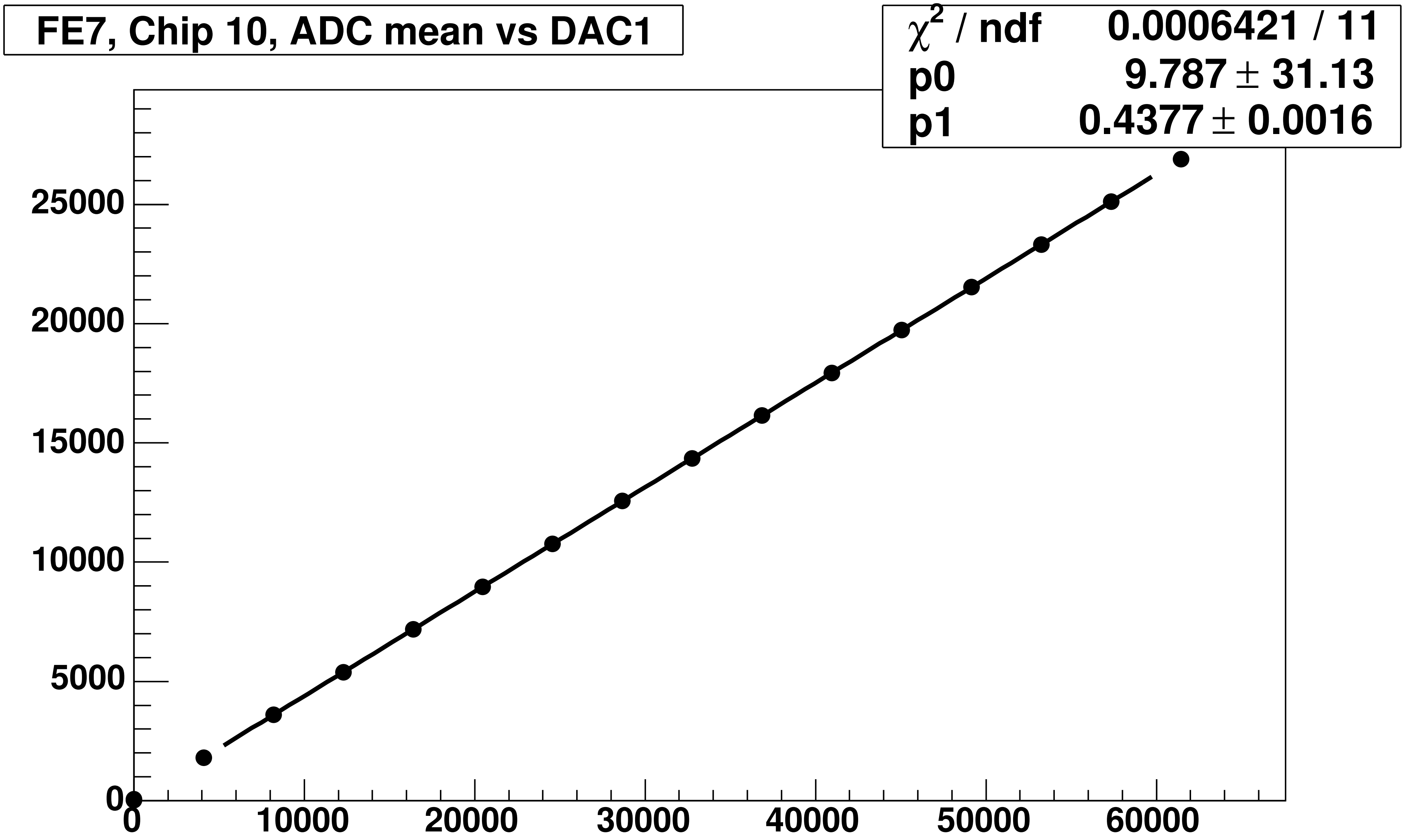
FE7, Chip 9, ADC noise vs DAC1
5000
4000
3000
2000
1000
0
0
10000
20000
30000
40000
50000
60000


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

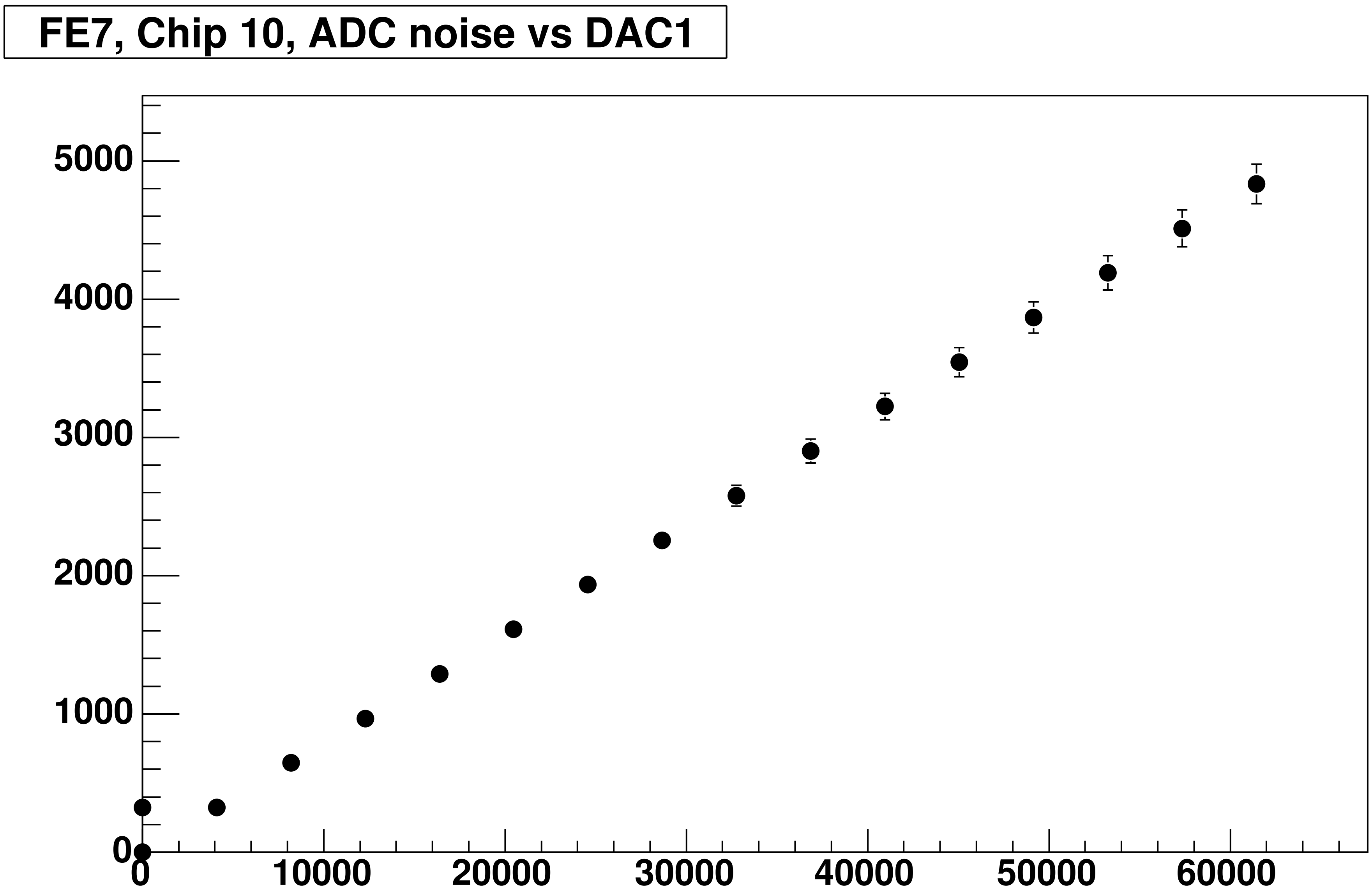

FE7, Chip 10, ADC mean vs DAC0
χ^2 / ndf 4.728e-06 / 11
p0 67.71 ± 42.03
p1 0.01411 ± 0.001894
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

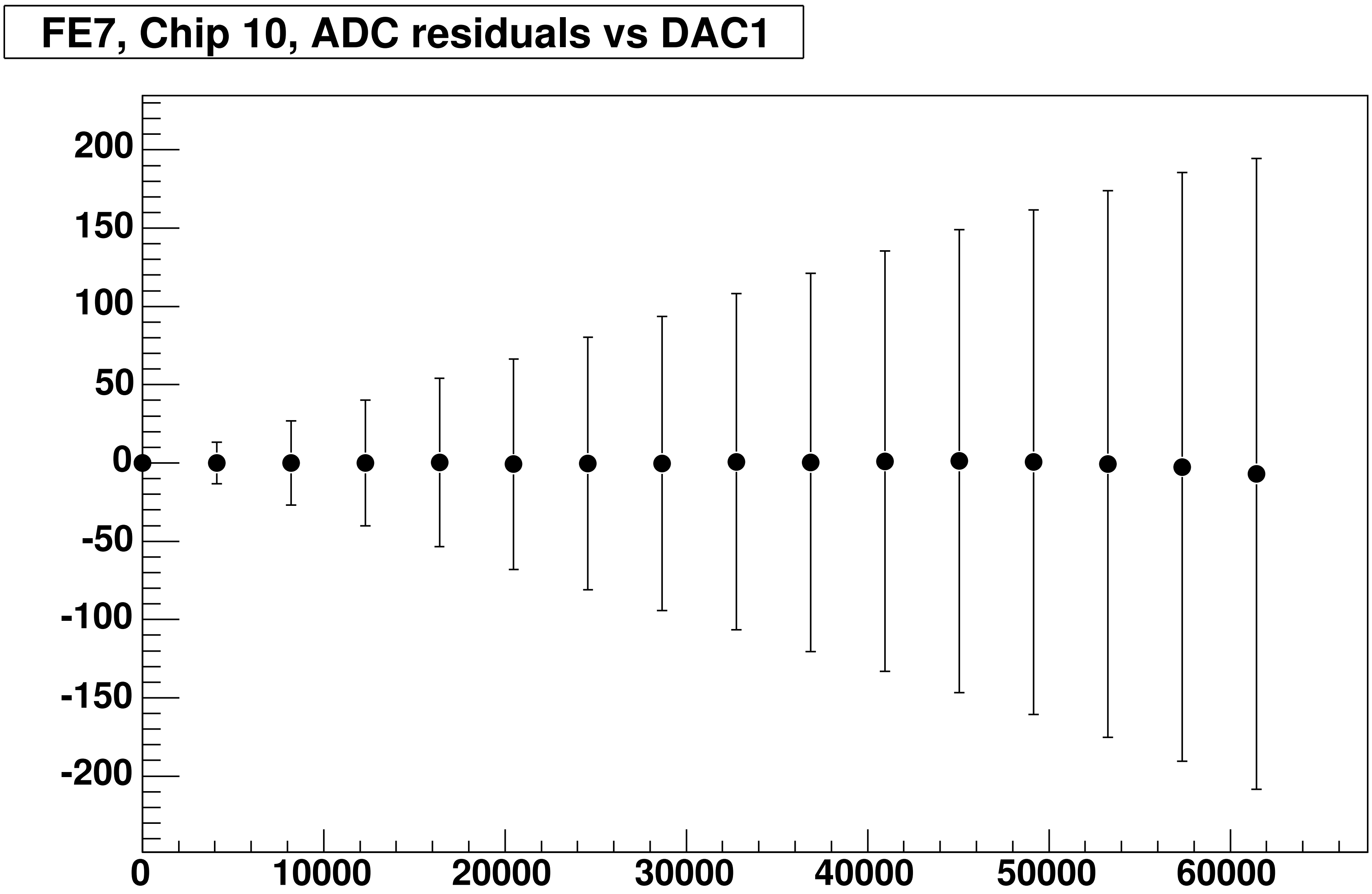

FE7, Chip 10, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

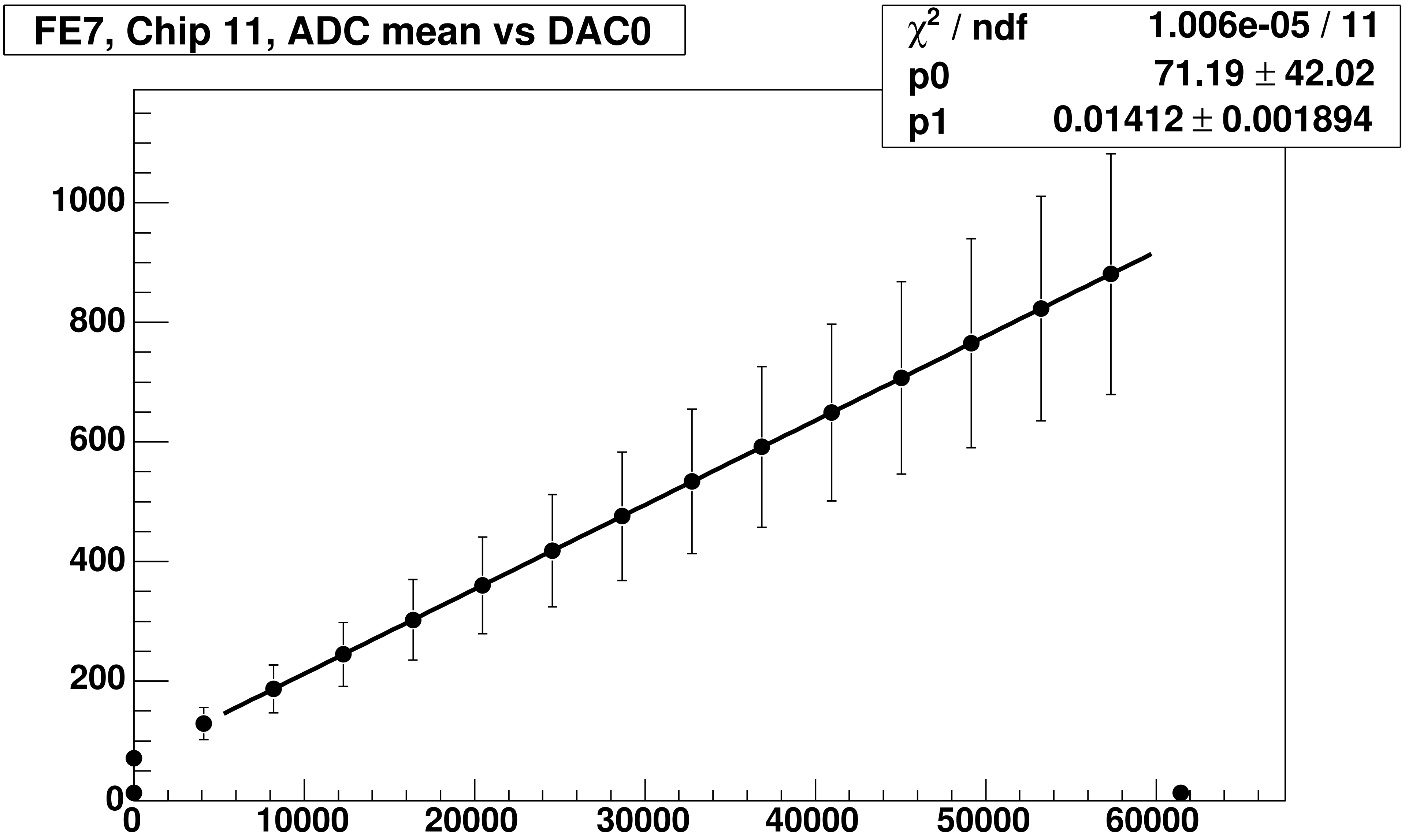

FE7, Chip 10, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

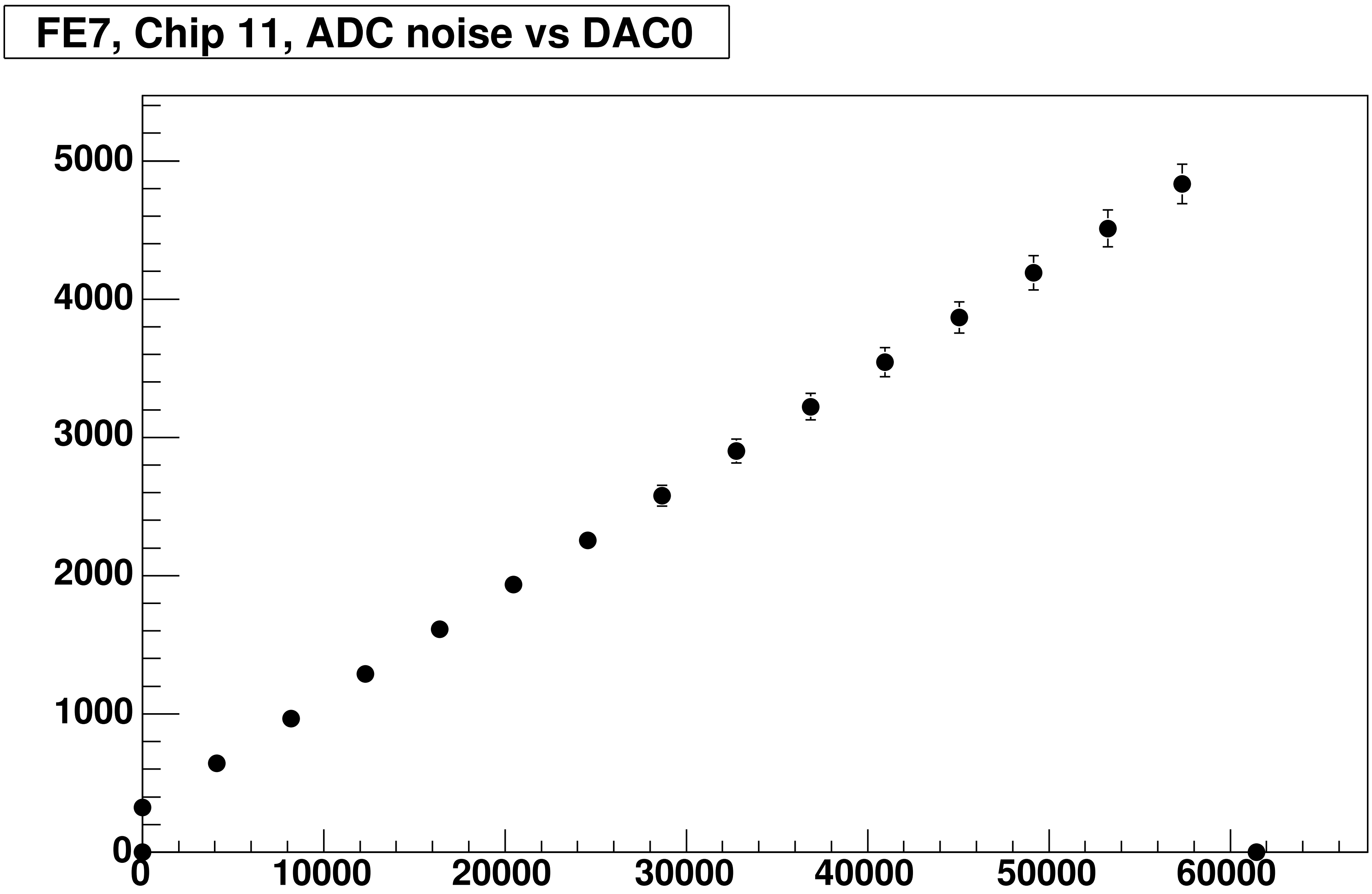


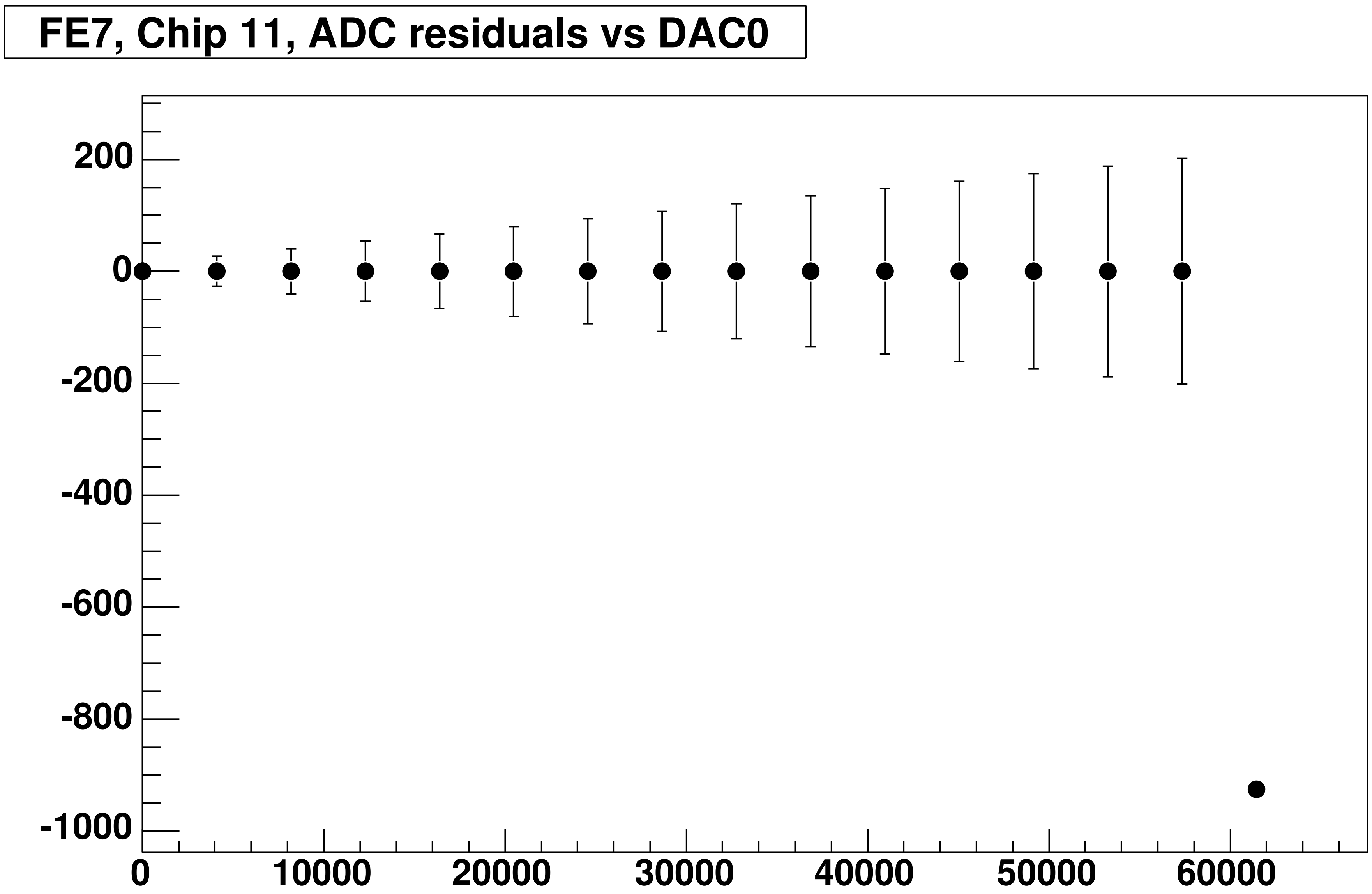
FE7, Chip 10, ADC mean vs DAC1
χ^2 / ndf 0.0006421 / 11
p0 9.787 ± 31.13
p1 0.4377 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000

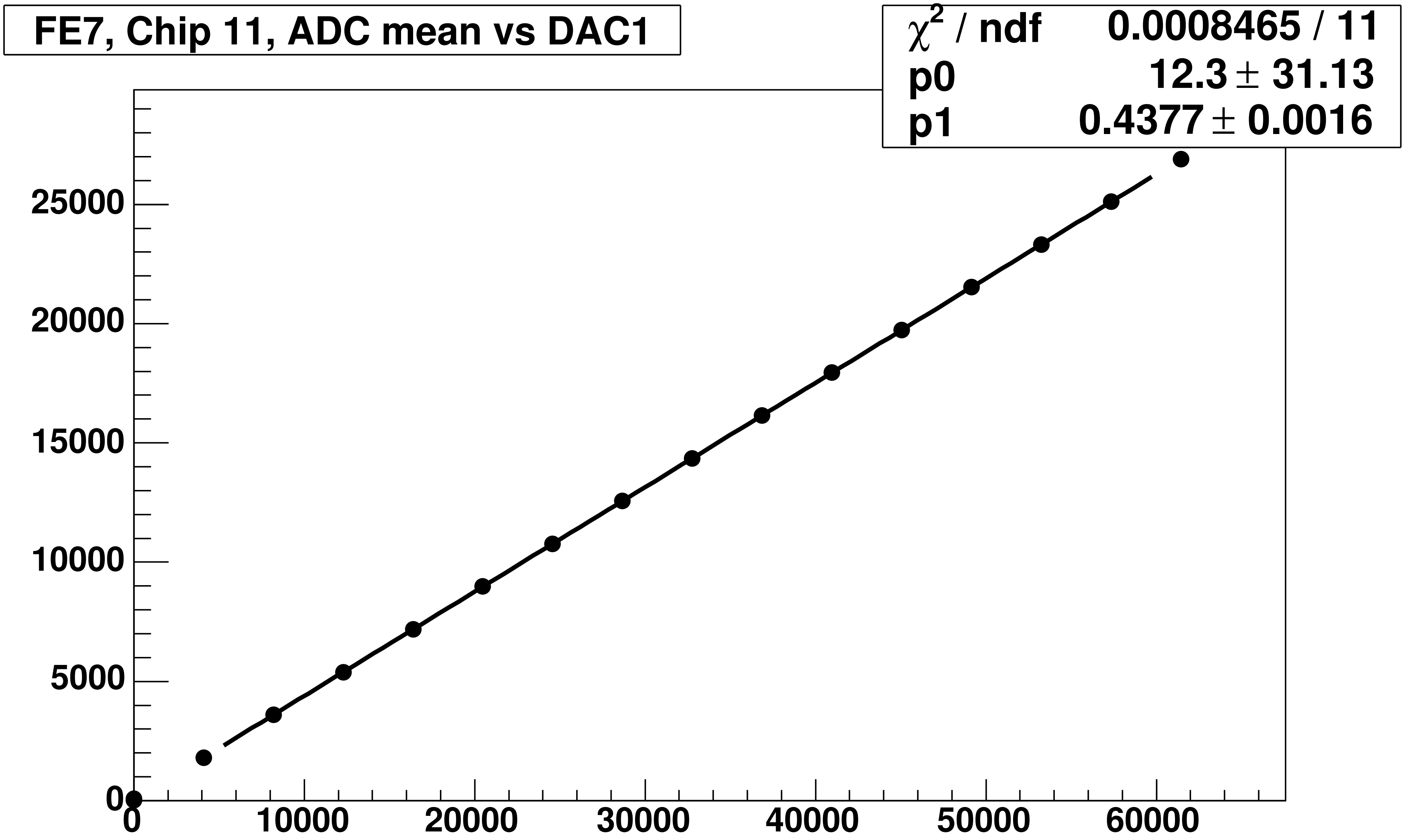

FE7, Chip 10, ADC noise vs DAC1
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

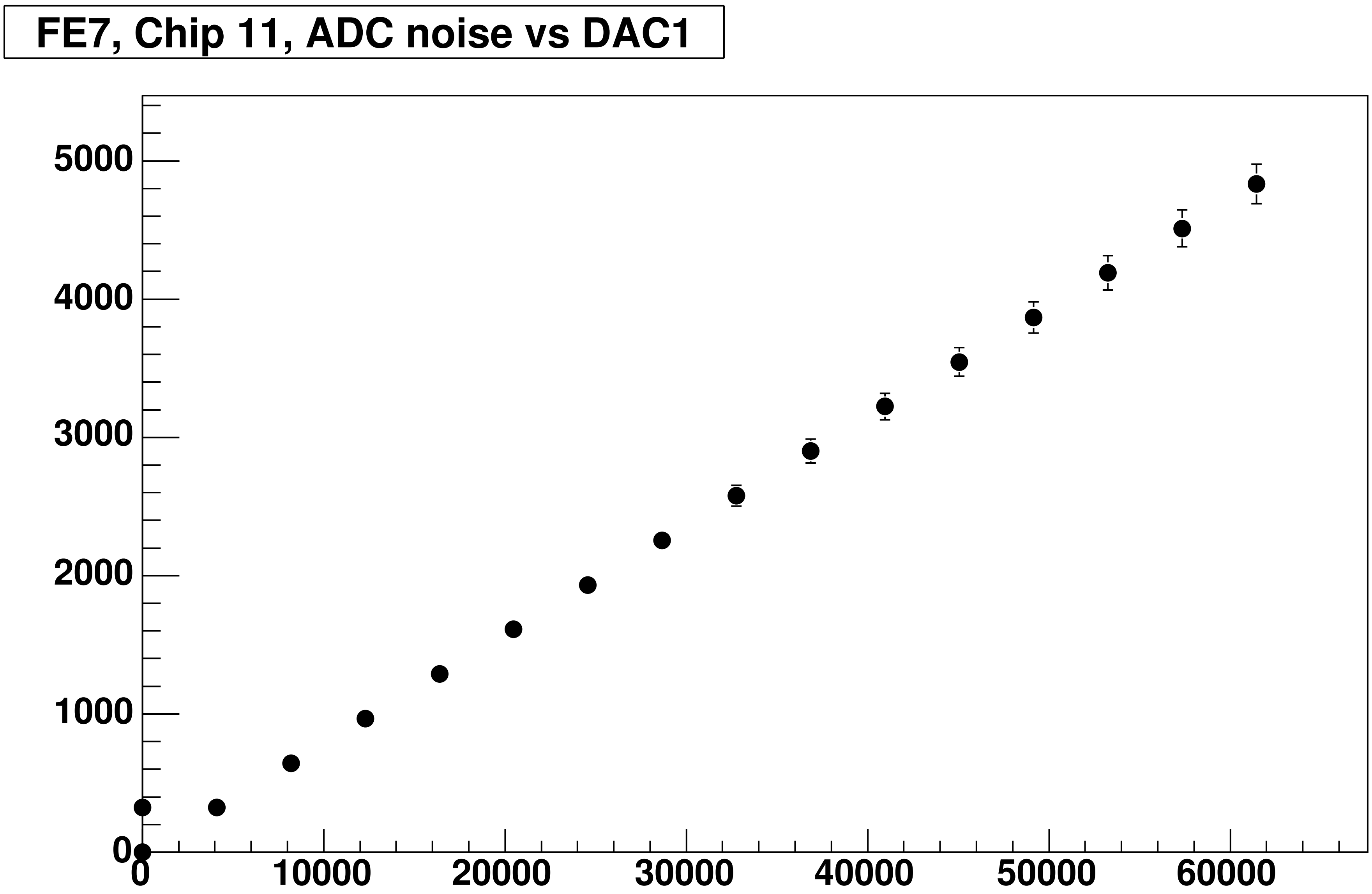

FE7, Chip 10, ADC residuals vs DAC1
200
150
100
50
0
-50
-100
-150
-200
0
10000
20000
30000
40000
50000
60000


FE7, Chip 11, ADC mean vs DAC0
χ^2 / ndf 1.006e-05 / 11
p0 71.19 ± 42.02
p1 0.01412 ± 0.001894
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000

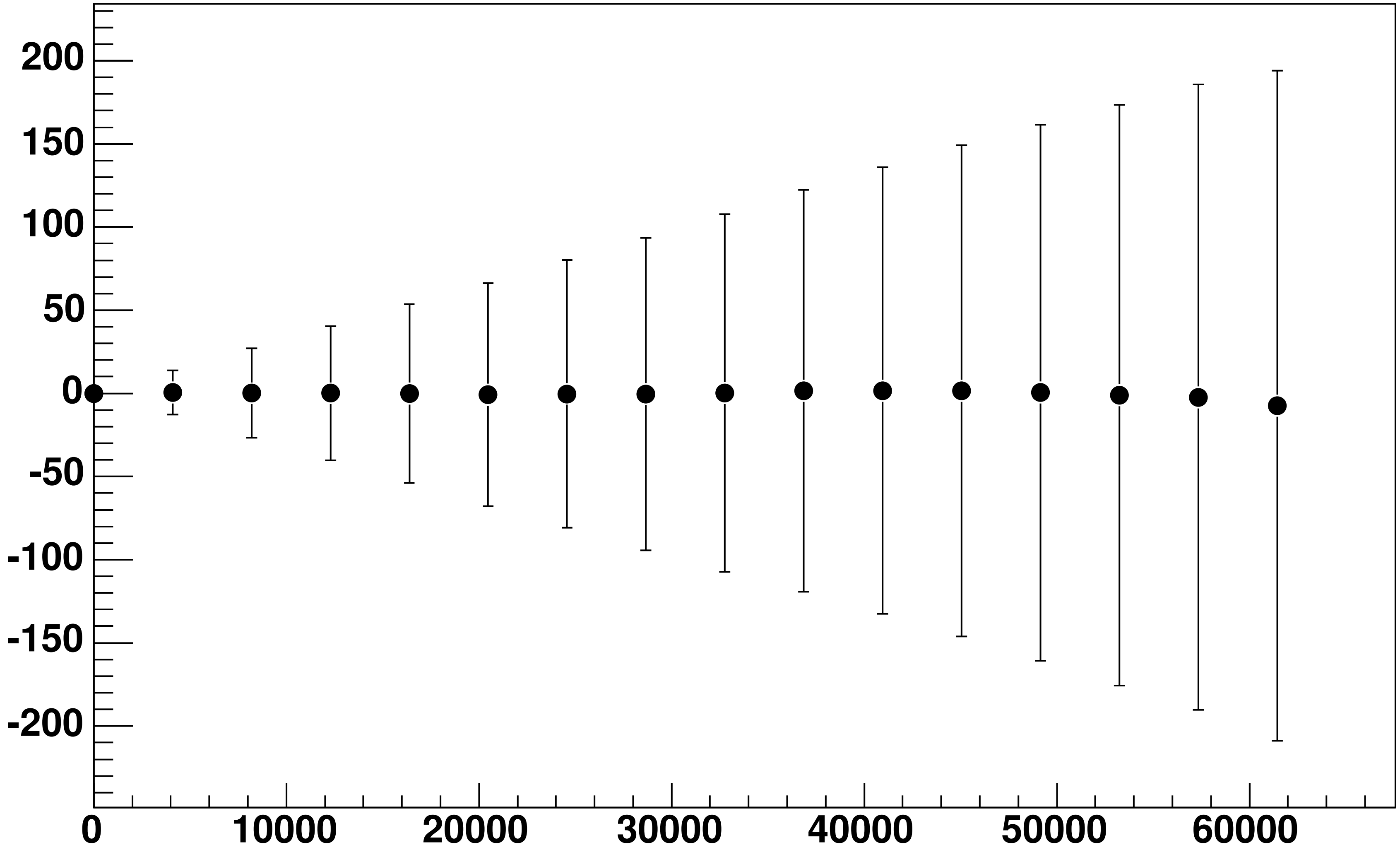

FE7, Chip 11, ADC noise vs DAC0
0
1000
2000
3000
4000
5000
0
10000
20000
30000
40000
50000
60000

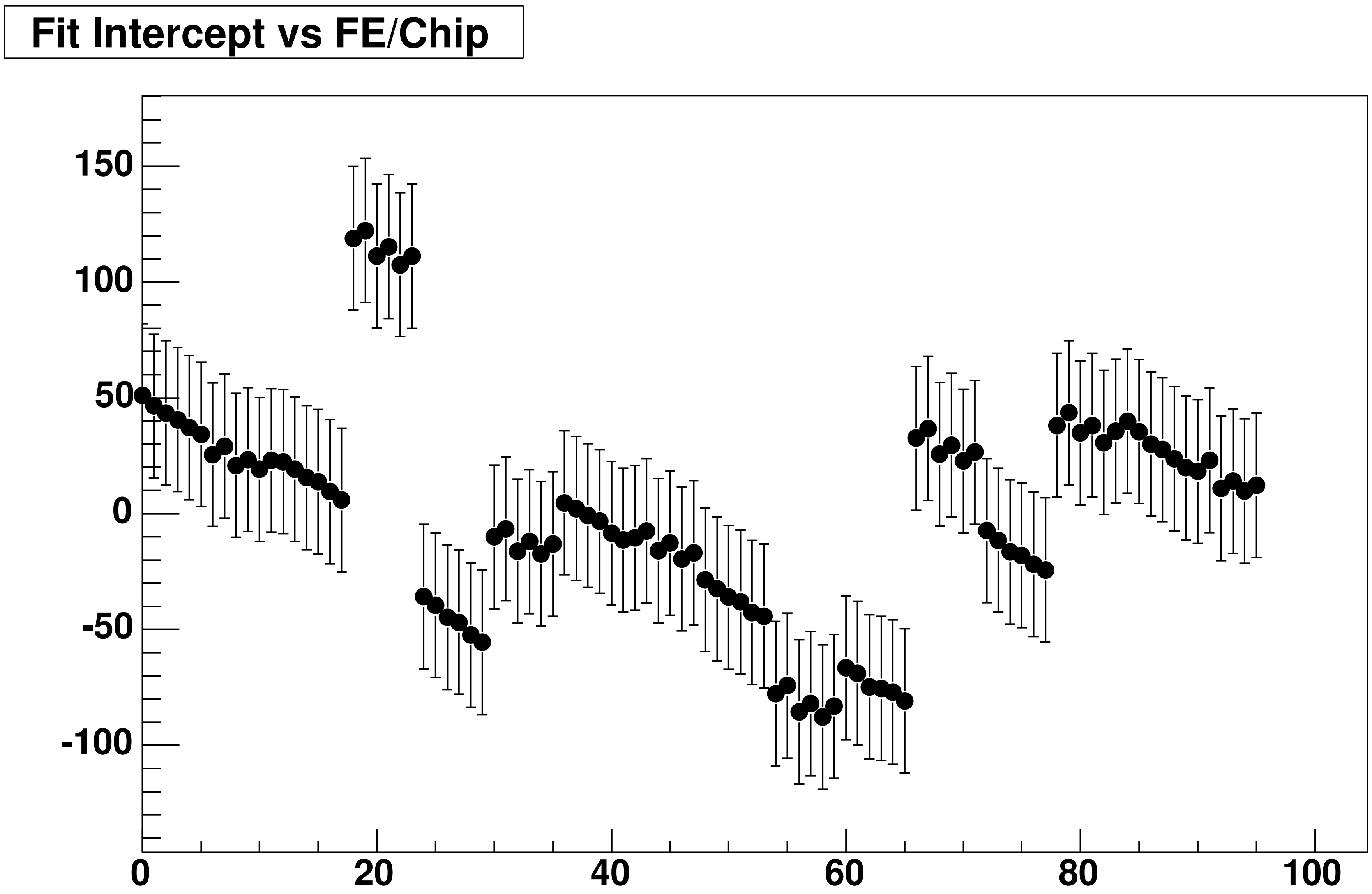

FE7, Chip 11, ADC residuals vs DAC0
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000

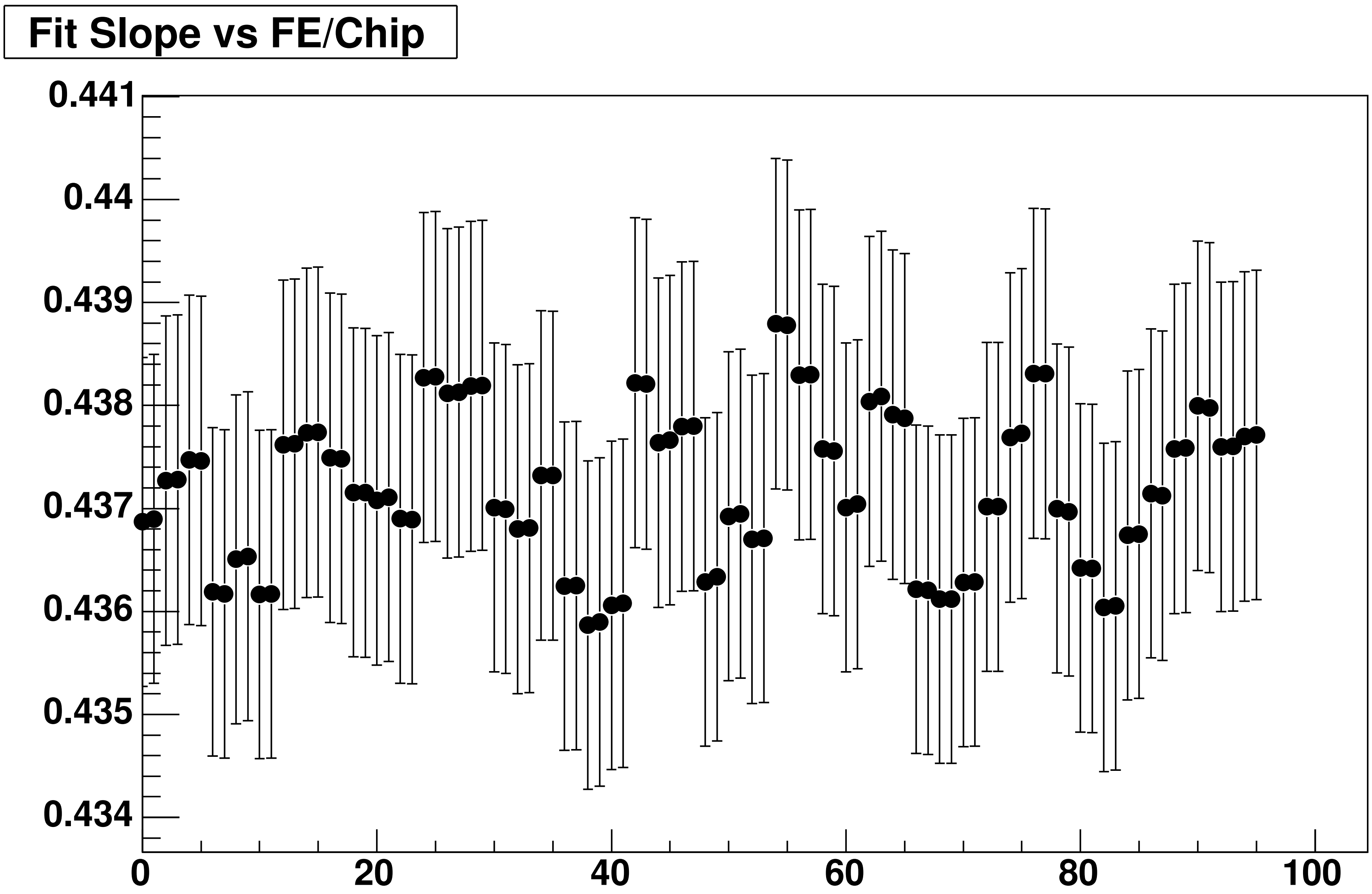

FE7, Chip 11, ADC mean vs DAC1
χ^2 / ndf 0.0008465 / 11
p0 12.3 ± 31.13
p1 0.4377 ± 0.0016
0
5000
10000
15000
20000
25000
0
10000
20000
30000
40000
50000
60000


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

FE7, Chip 11, ADC residuals vs DAC1




Fit Intercept vs FE/Chip
150
100
50
0
-50
-100
0
20
40
60
80
100



Fit Slope vs FE/Chip
0.441
0.44
0.439
0.438
0.437
0.436
0.435
0.434
0
20
40
60
80
100