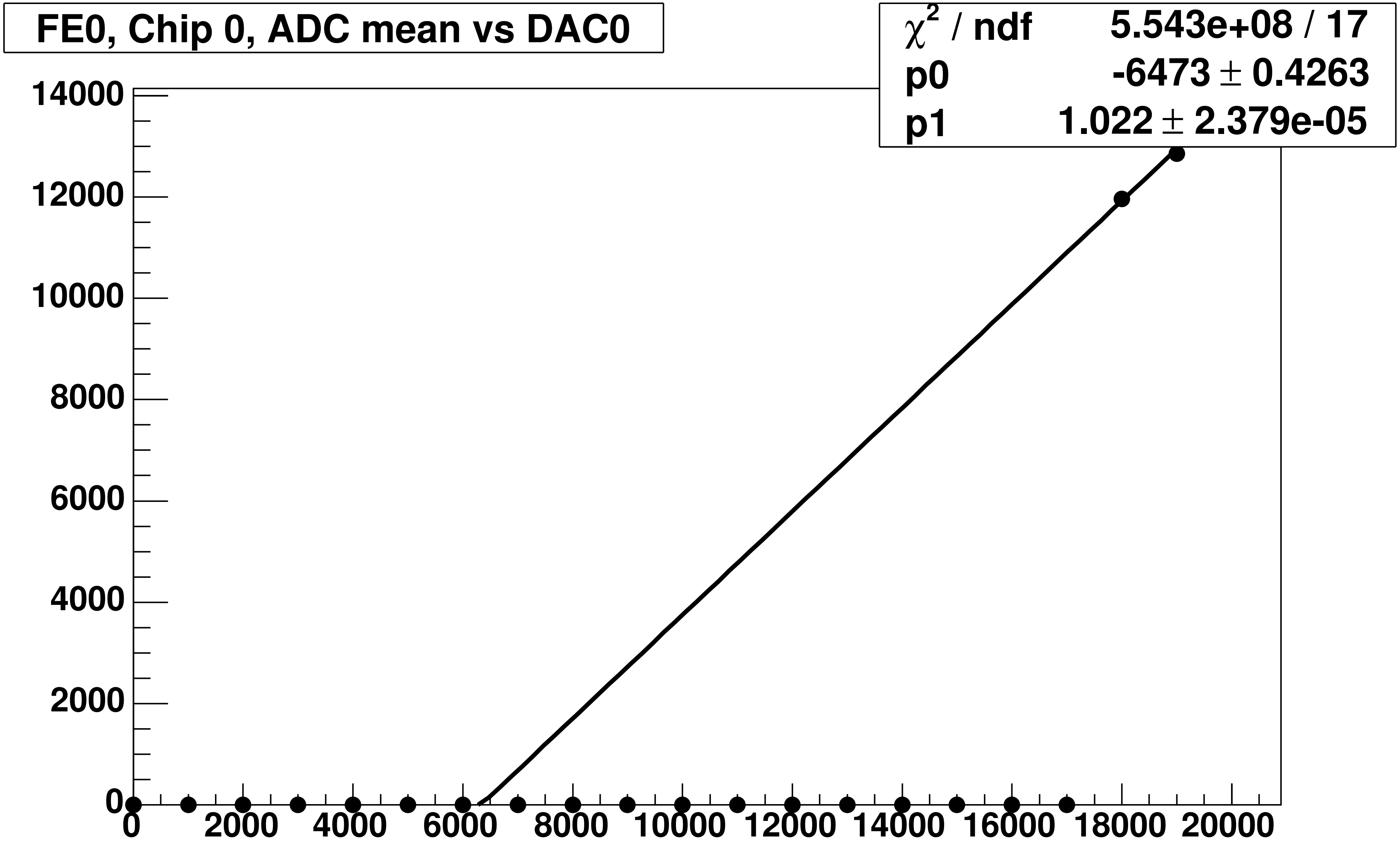
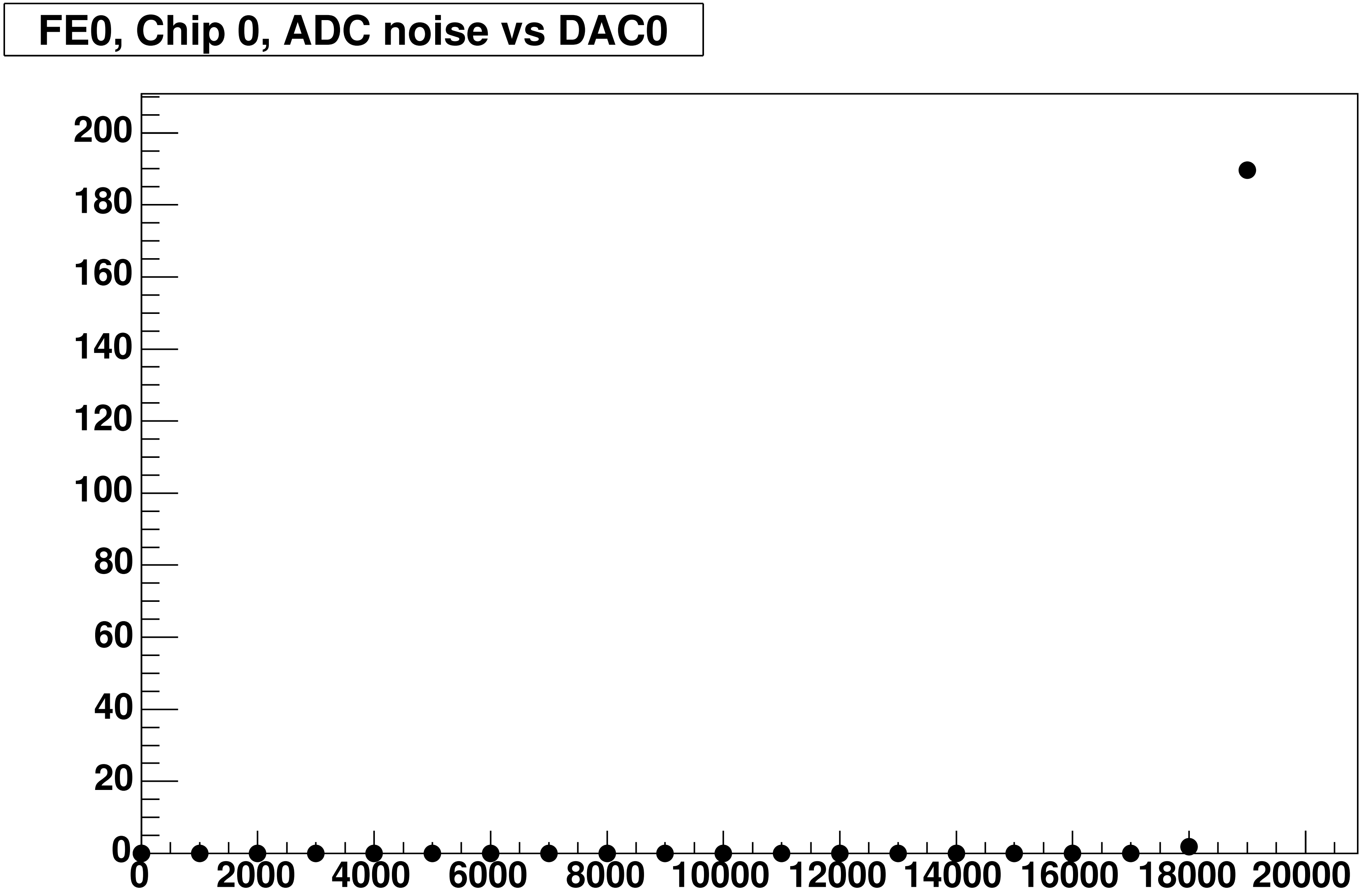
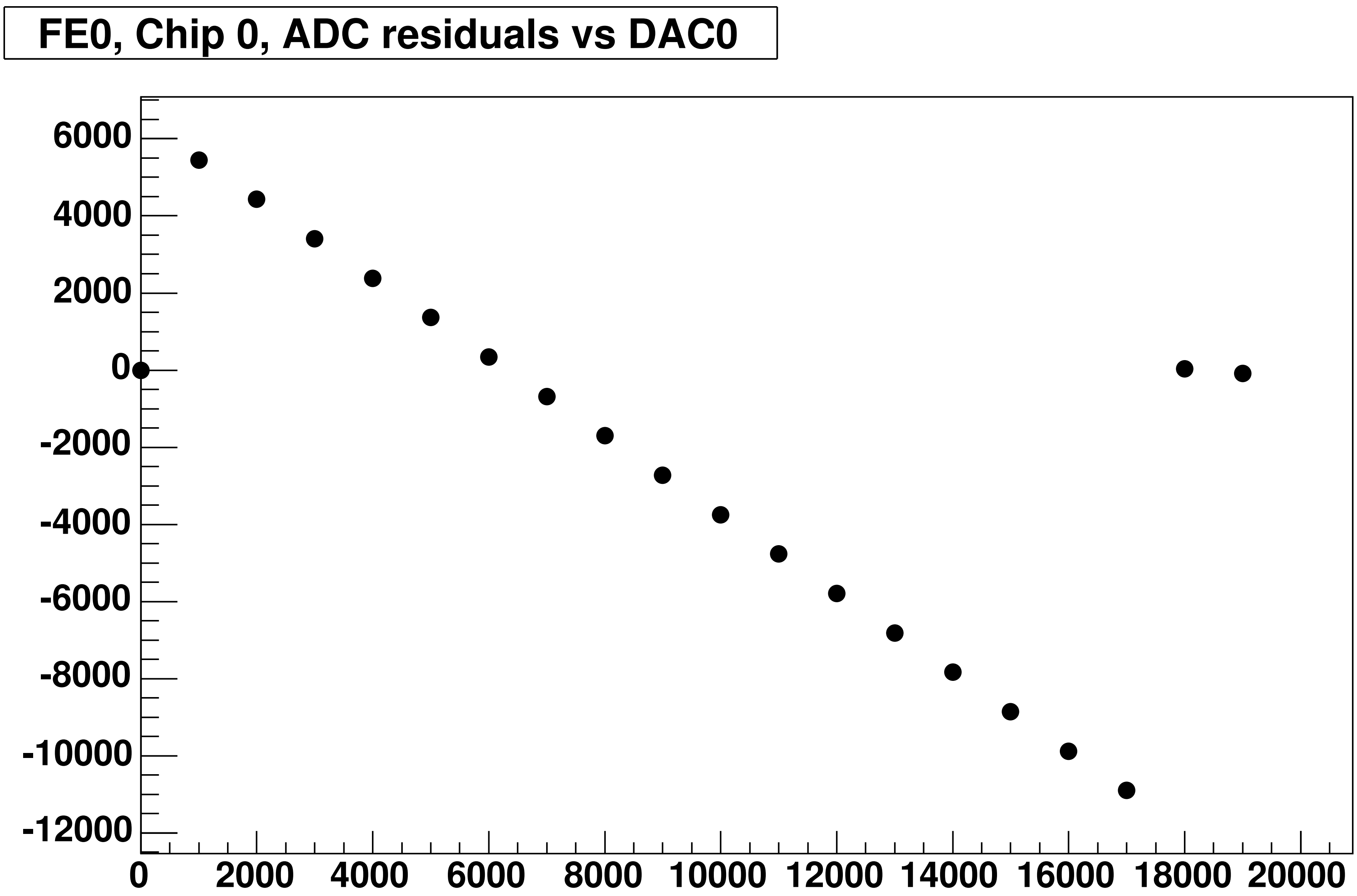
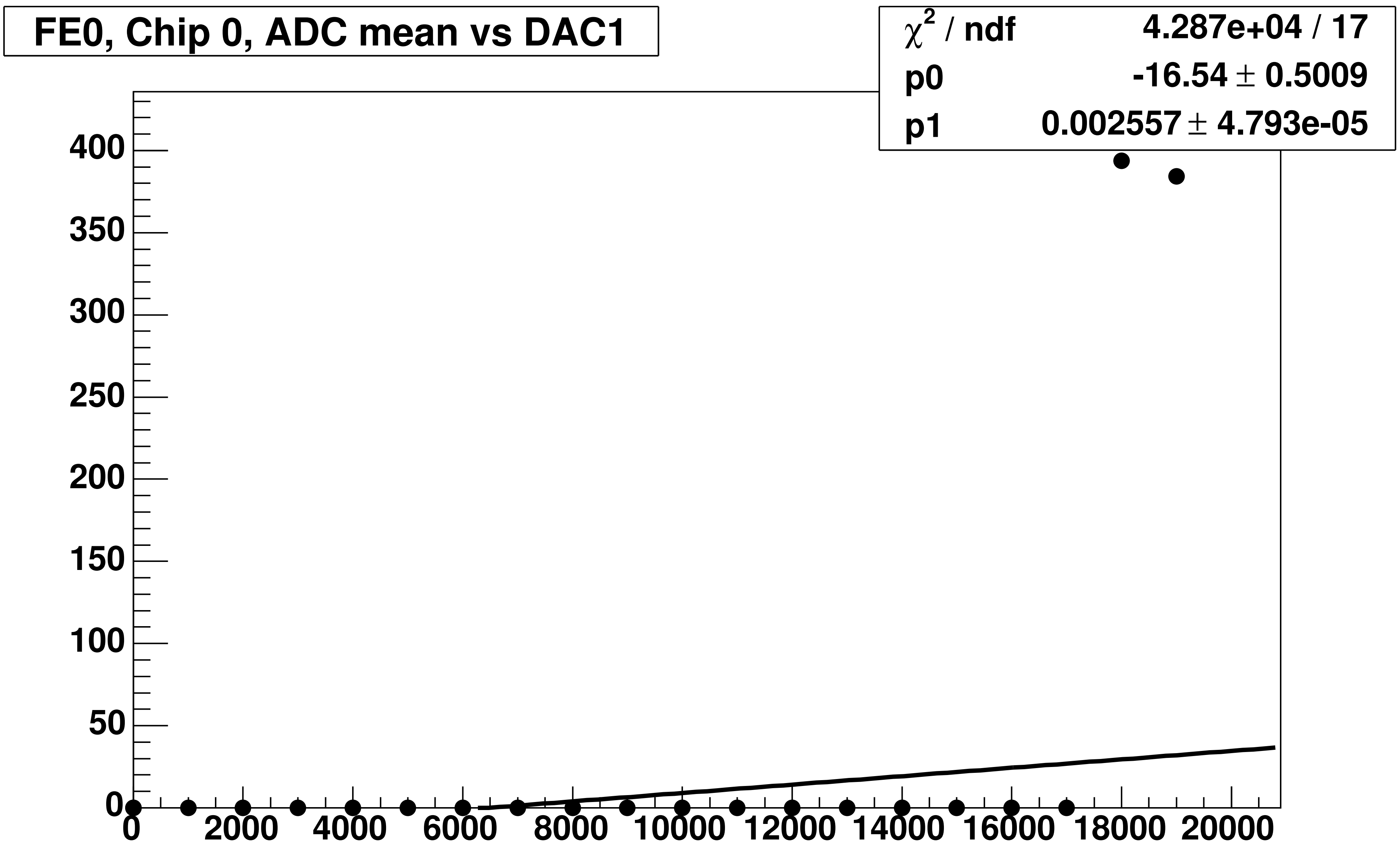


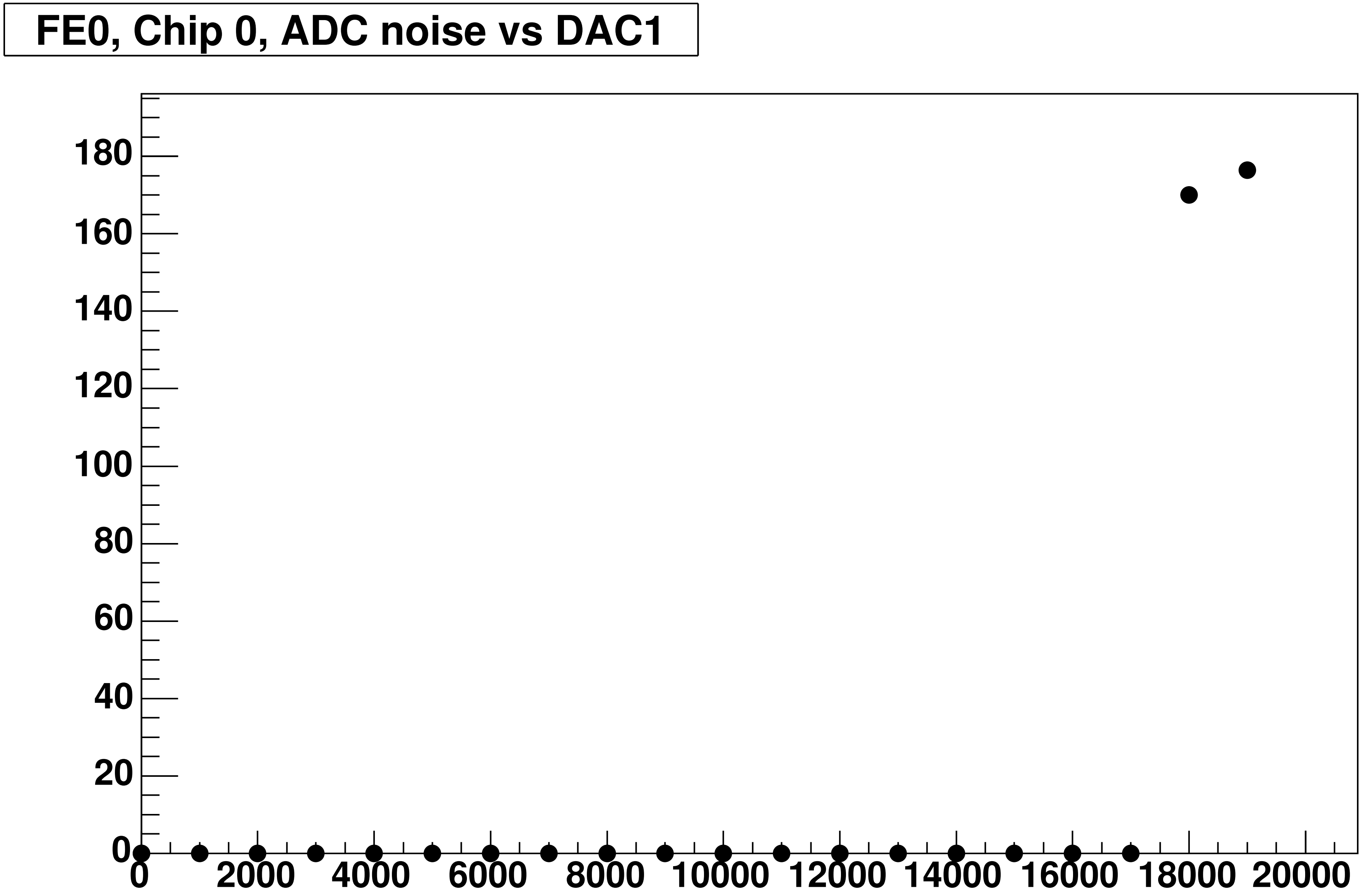
FE0, Chip 0, ADC mean vs DAC0
χ² / ndf 5.543e+08 / 17
p0 -6473 ± 0.4263
p1 1.022 ± 2.379e-05
14000
12000
10000
8000
6000
4000
2000
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

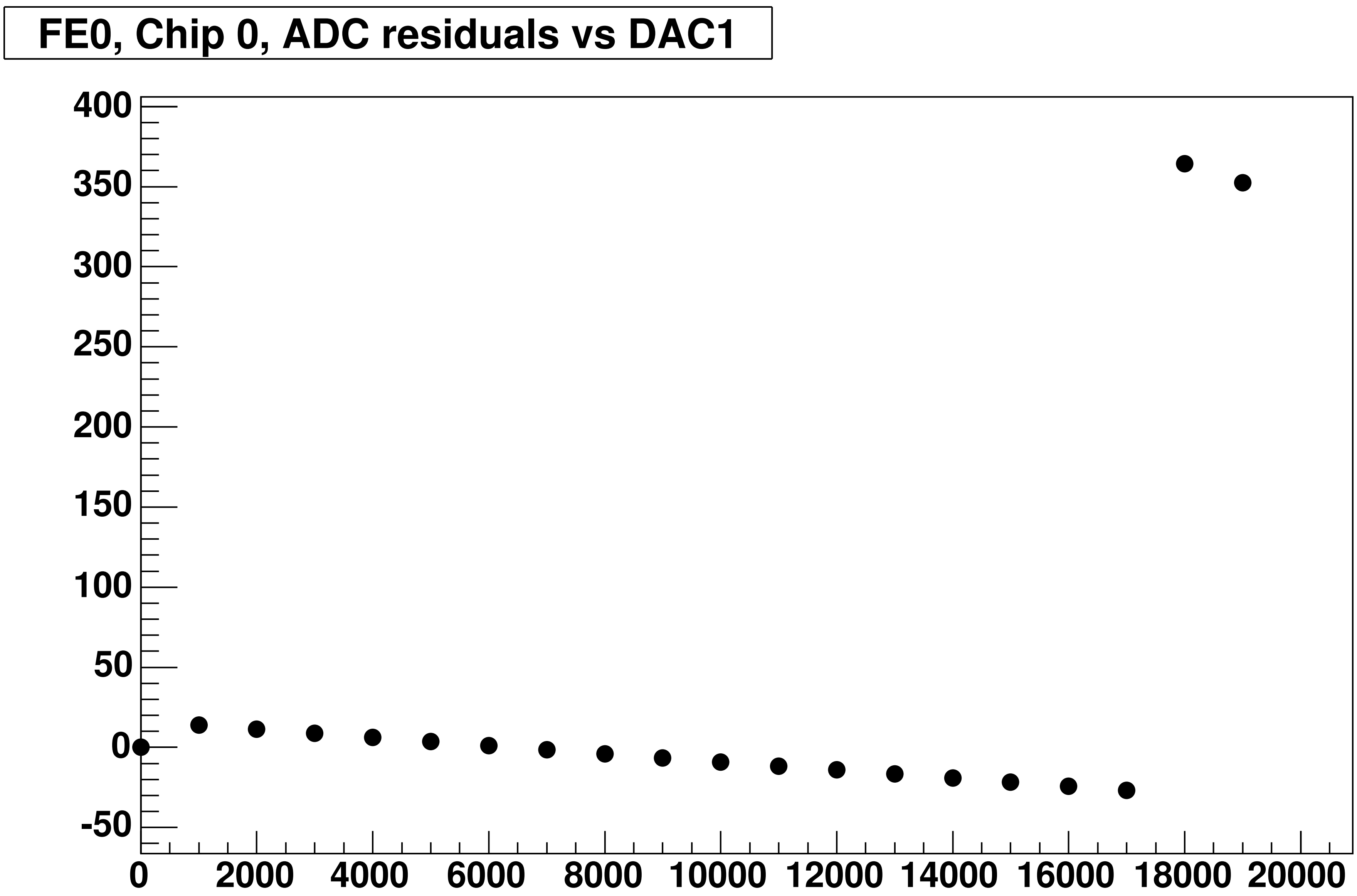

FE0, Chip 0, ADC noise vs DAC0
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 0, ADC residuals vs DAC0
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
-12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

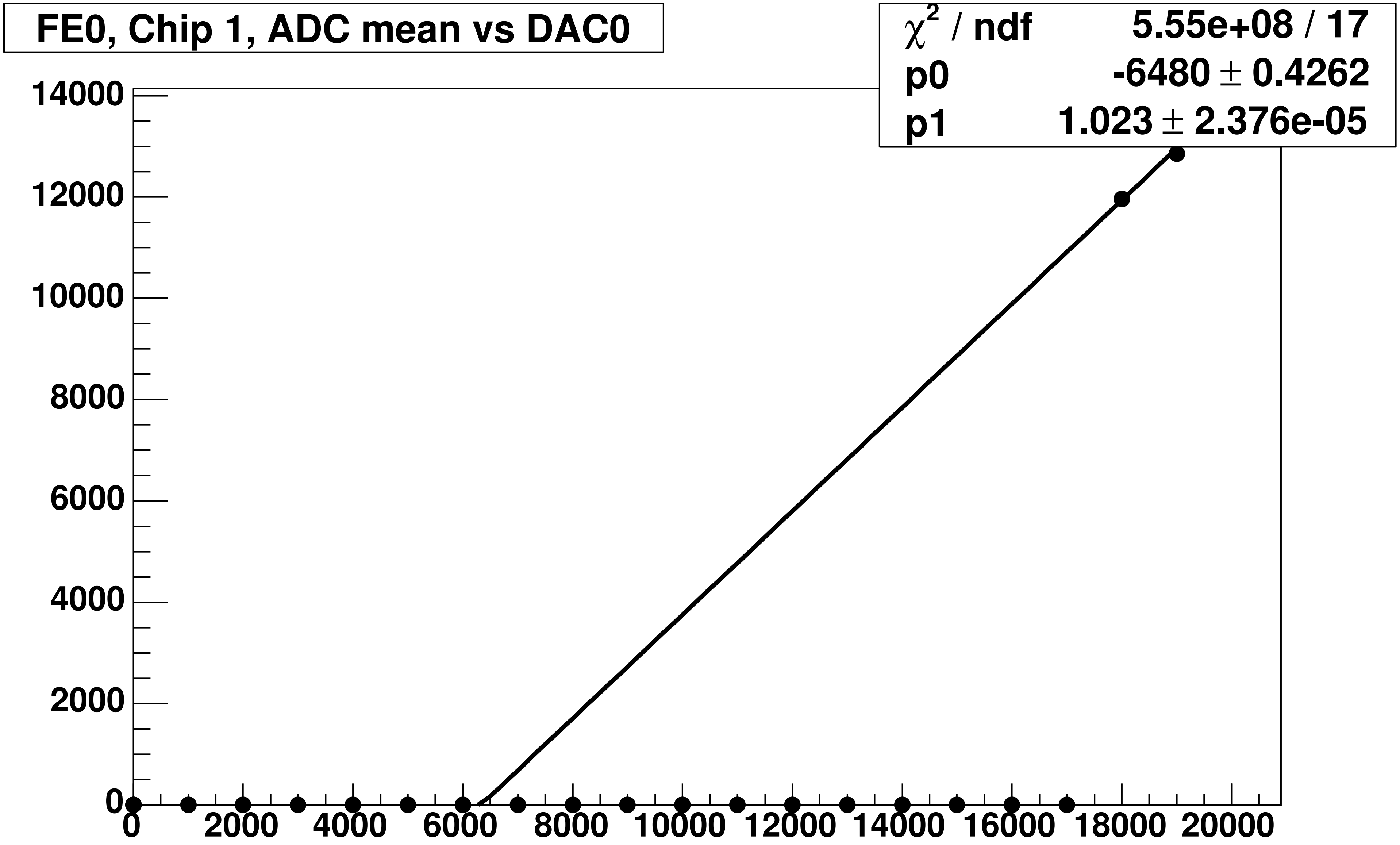


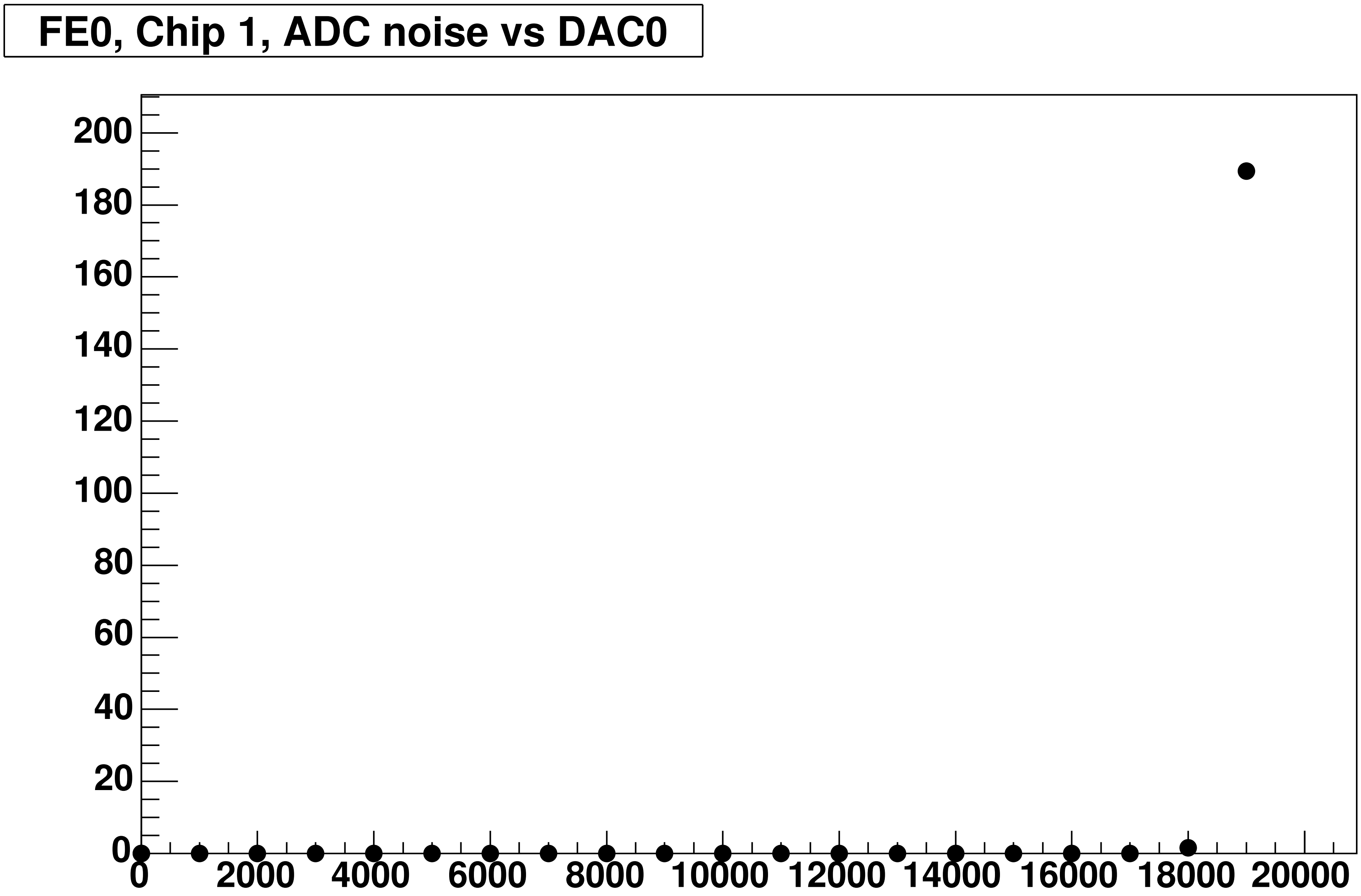
FE0, Chip 0, ADC mean vs DAC1
χ2 / ndf 4.287e+04 / 17
p0 -16.54 ± 0.5009
p1 0.002557 ± 4.793e-05
400
350
300
250
200
150
100
50
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

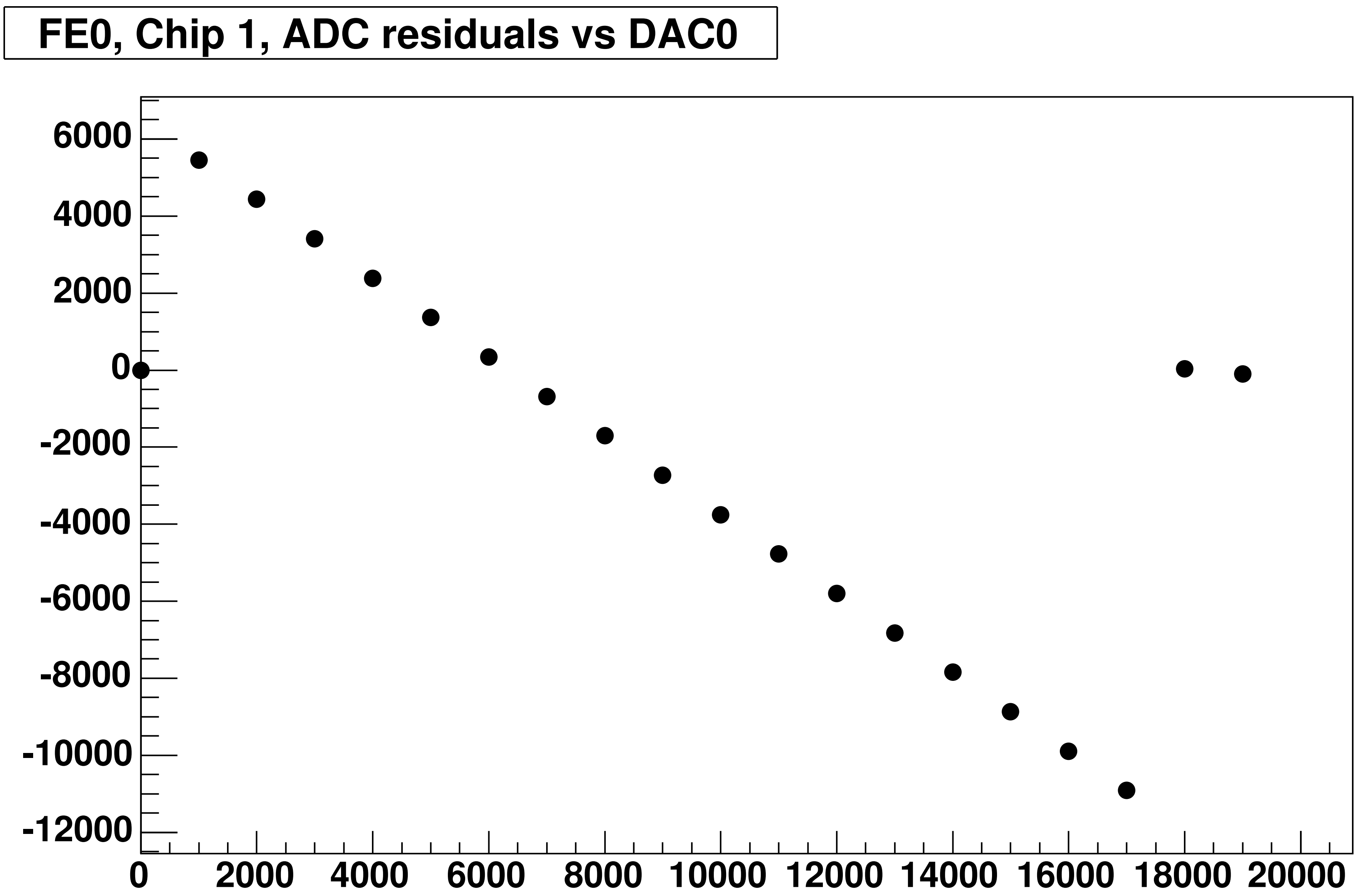

FE0, Chip 0, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

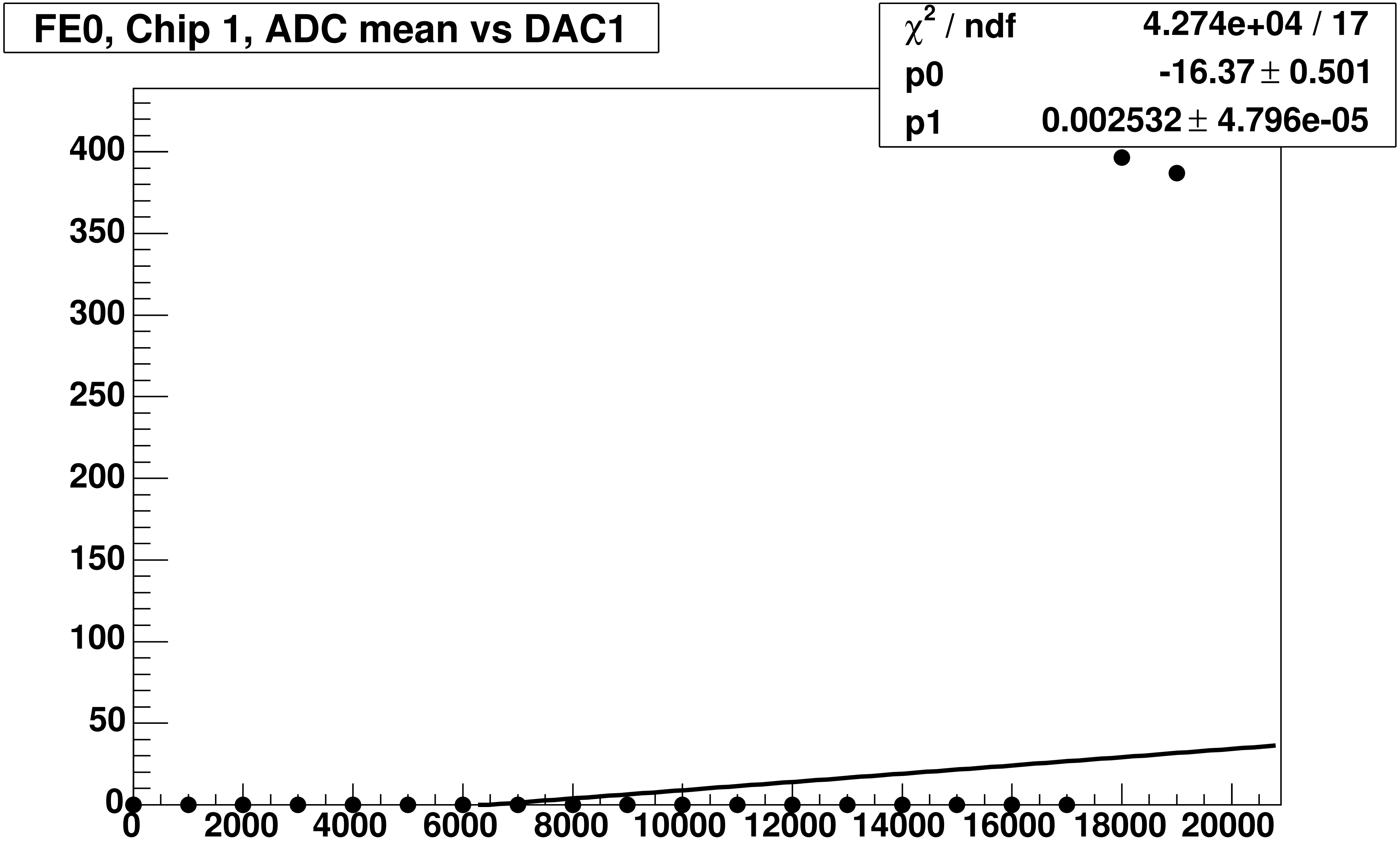


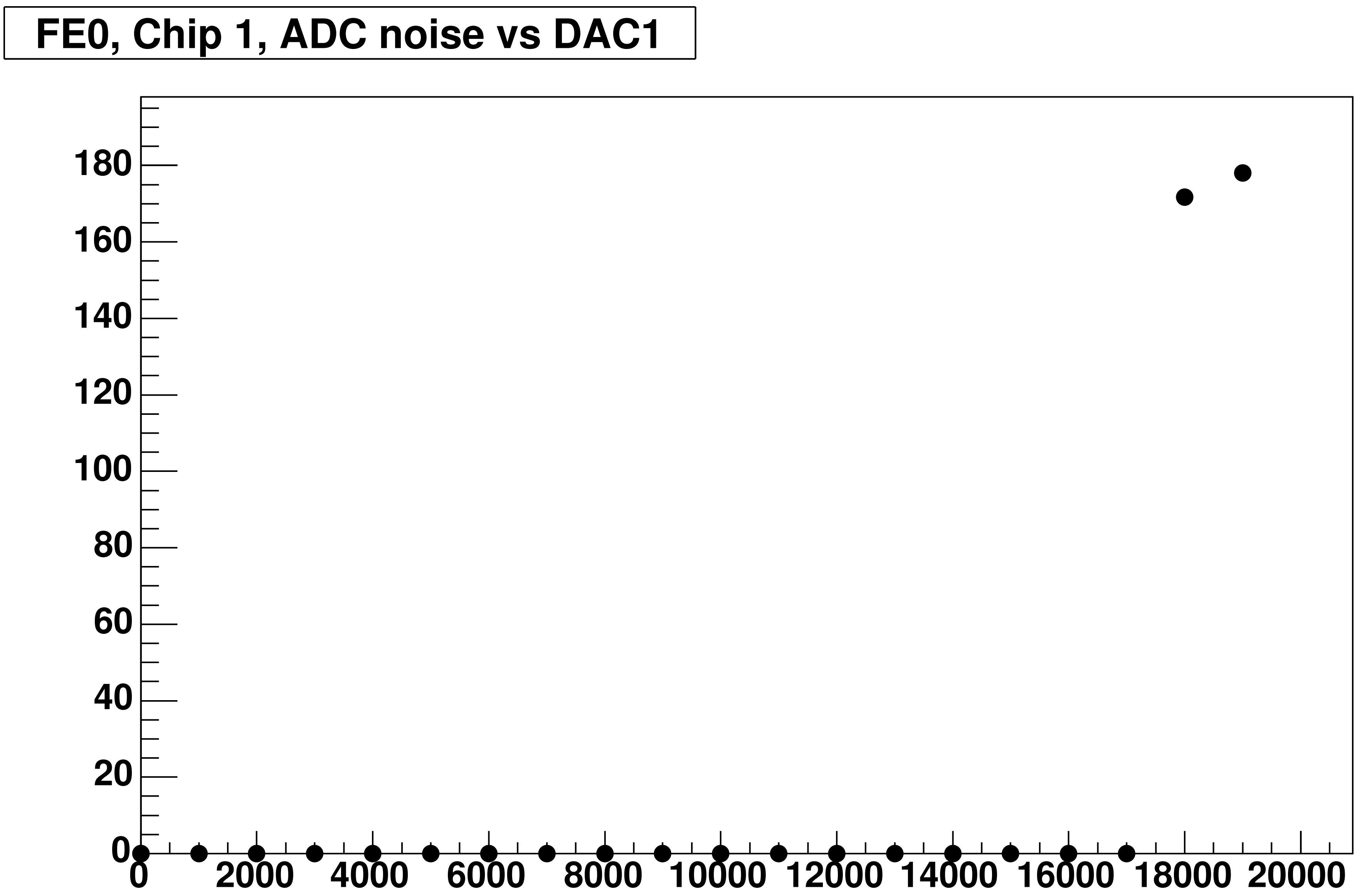
FE0, Chip 0, ADC residuals vs DAC1
400
350
300
250
200
150
100
50
0
-50
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

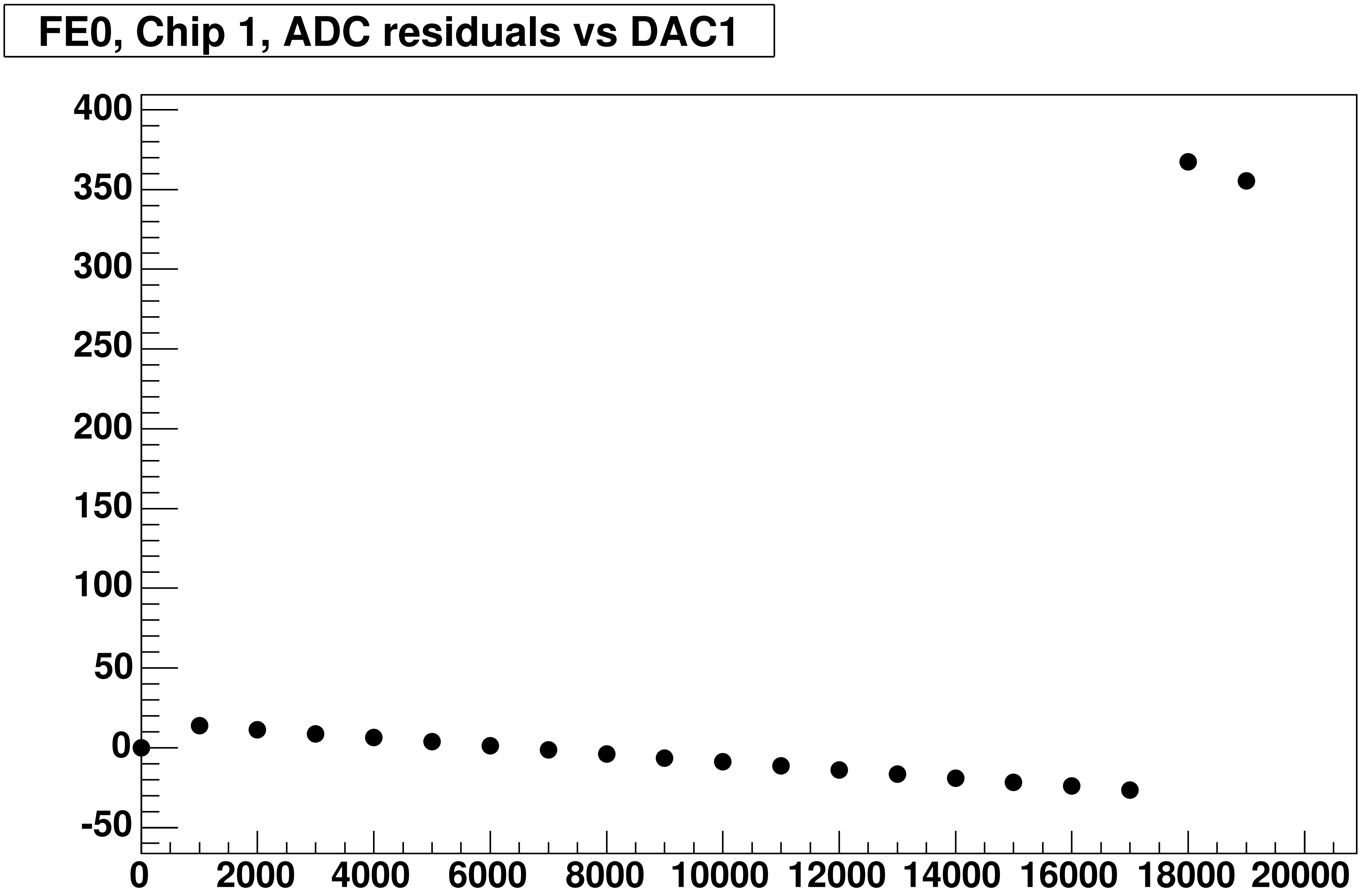

FE0, Chip 1, ADC mean vs DAC0
χ^2 / ndf 5.55e+08 / 17
p0 -6480 ± 0.4262
p1 1.023 ± 2.376e-05
0
2000
4000
6000
8000
10000
12000
14000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 1, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

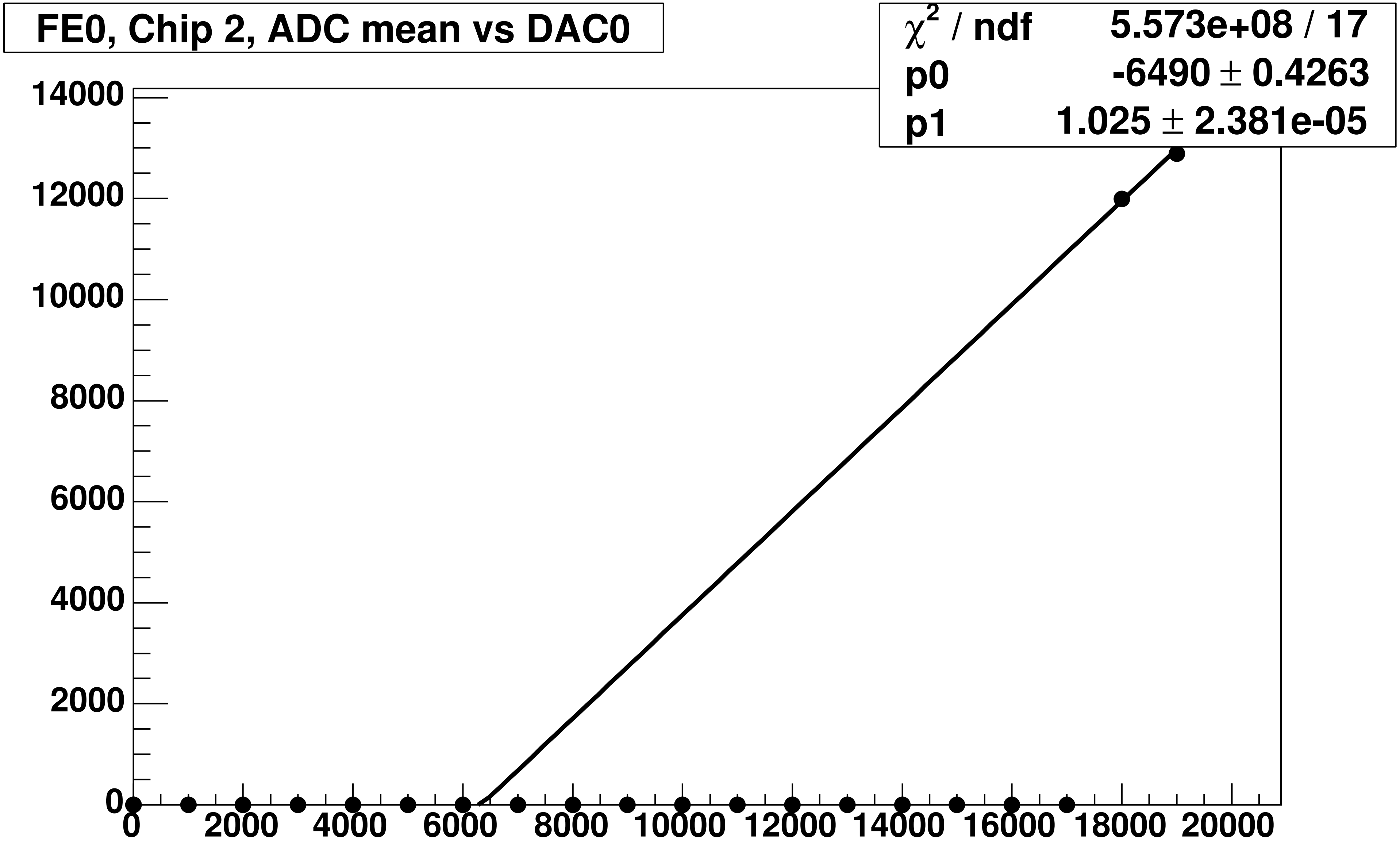

FE0, Chip 1, ADC residuals vs DAC0
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
-12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

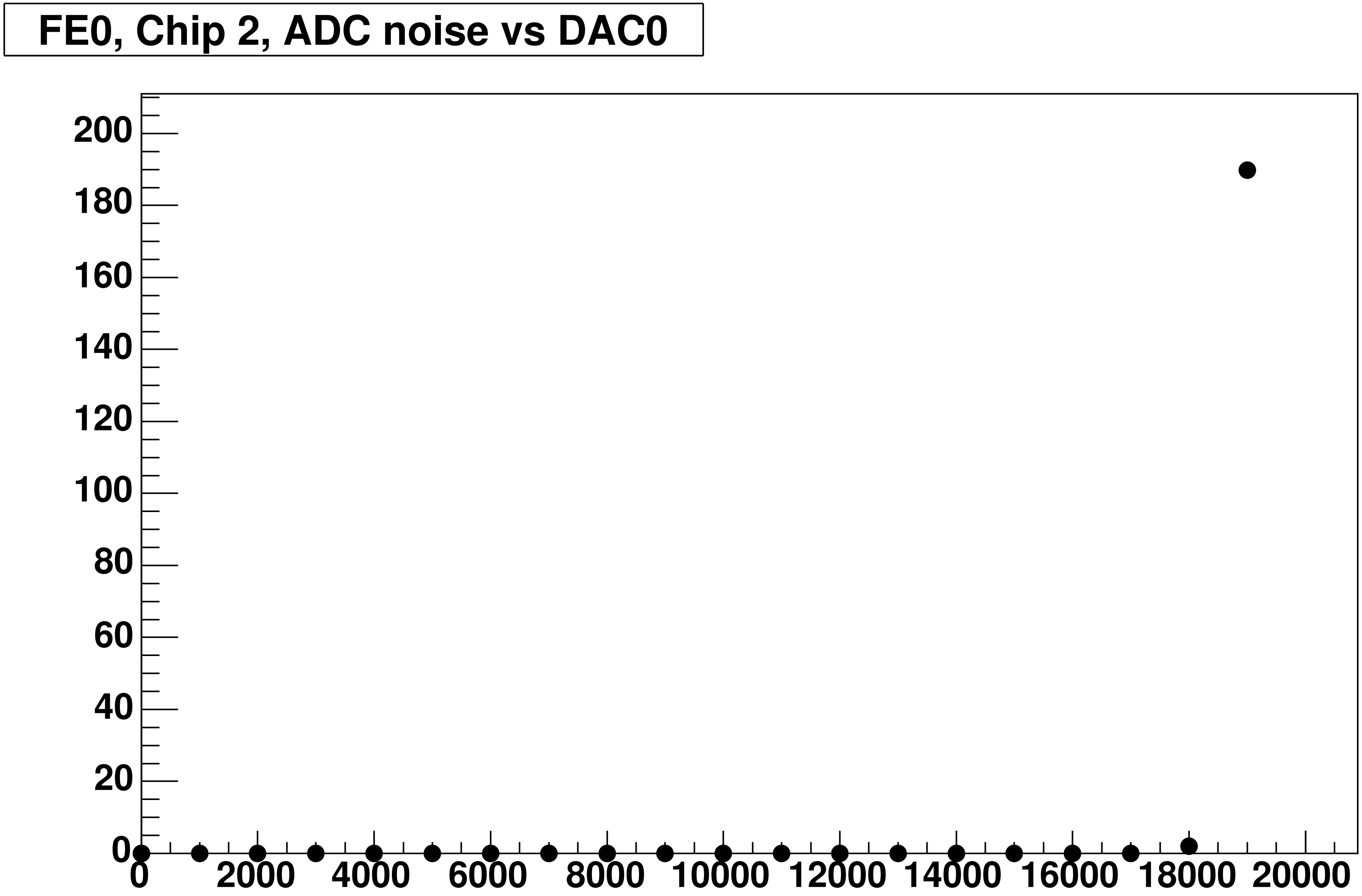

FE0, Chip 1, ADC mean vs DAC1
χ^2 / ndf 4.274e+04 / 17
p0 -16.37 ± 0.501
p1 0.002532 ± 4.796e-05
0
50
100
150
200
250
300
350
400
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

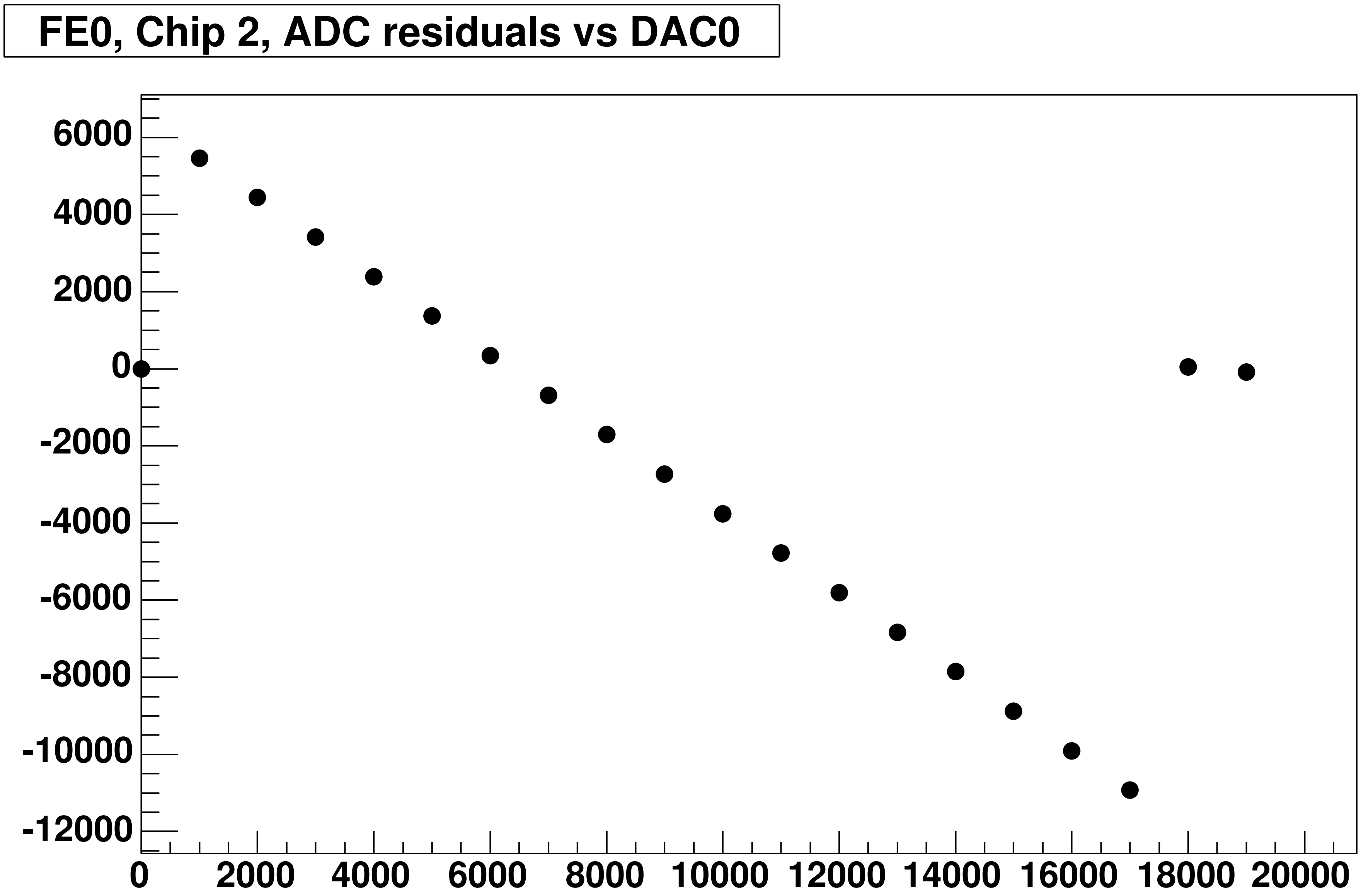

FE0, Chip 1, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

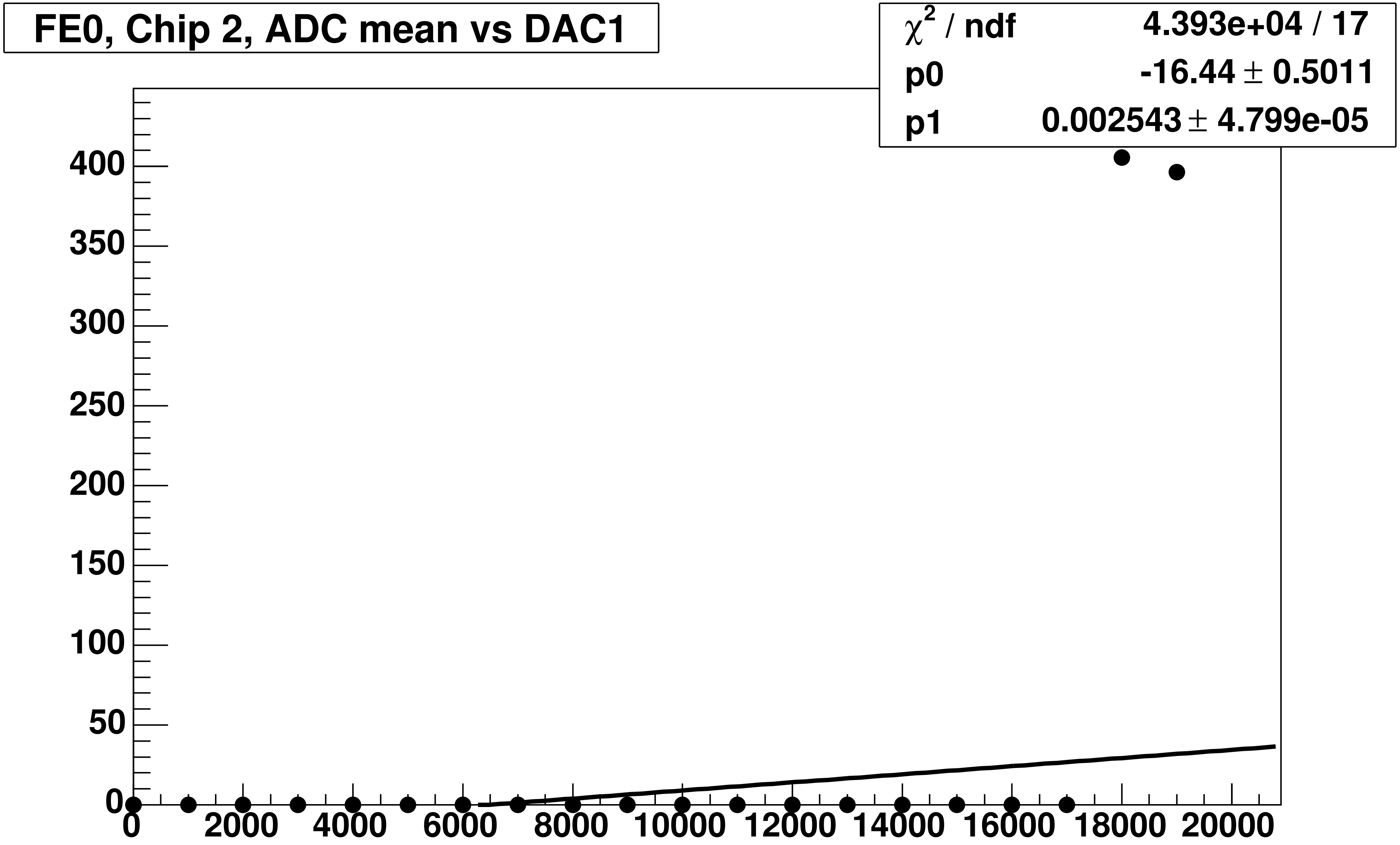


FE0, Chip 1, ADC residuals vs DAC1
400
350
300
250
200
150
100
50
0
-50
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 2, ADC mean vs DAC0
χ^2 / ndf 5.573e+08 / 17
p0 -6490 ± 0.4263
p1 1.025 ± 2.381e-05
14000
12000
10000
8000
6000
4000
2000
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

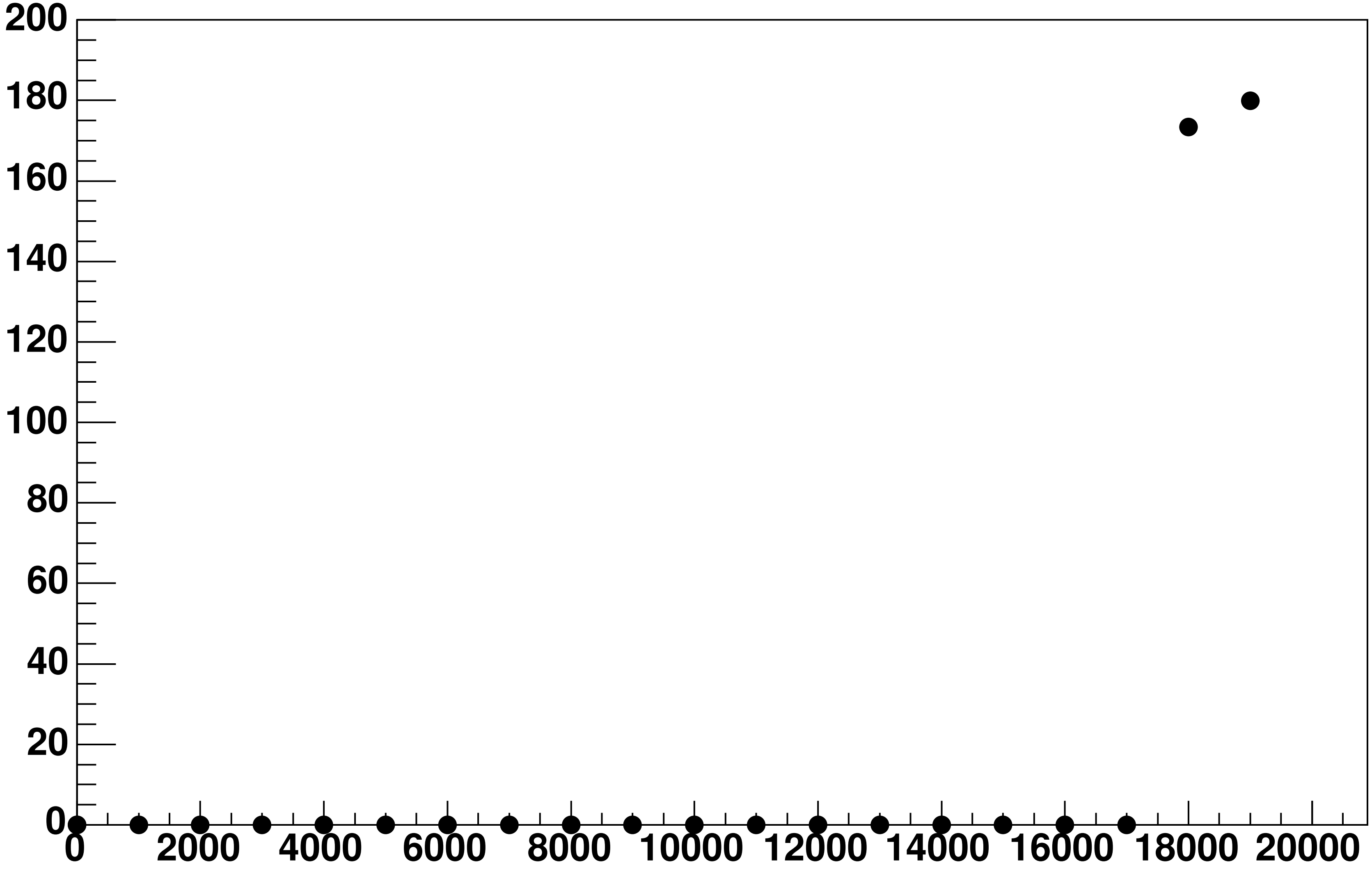

FE0, Chip 2, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

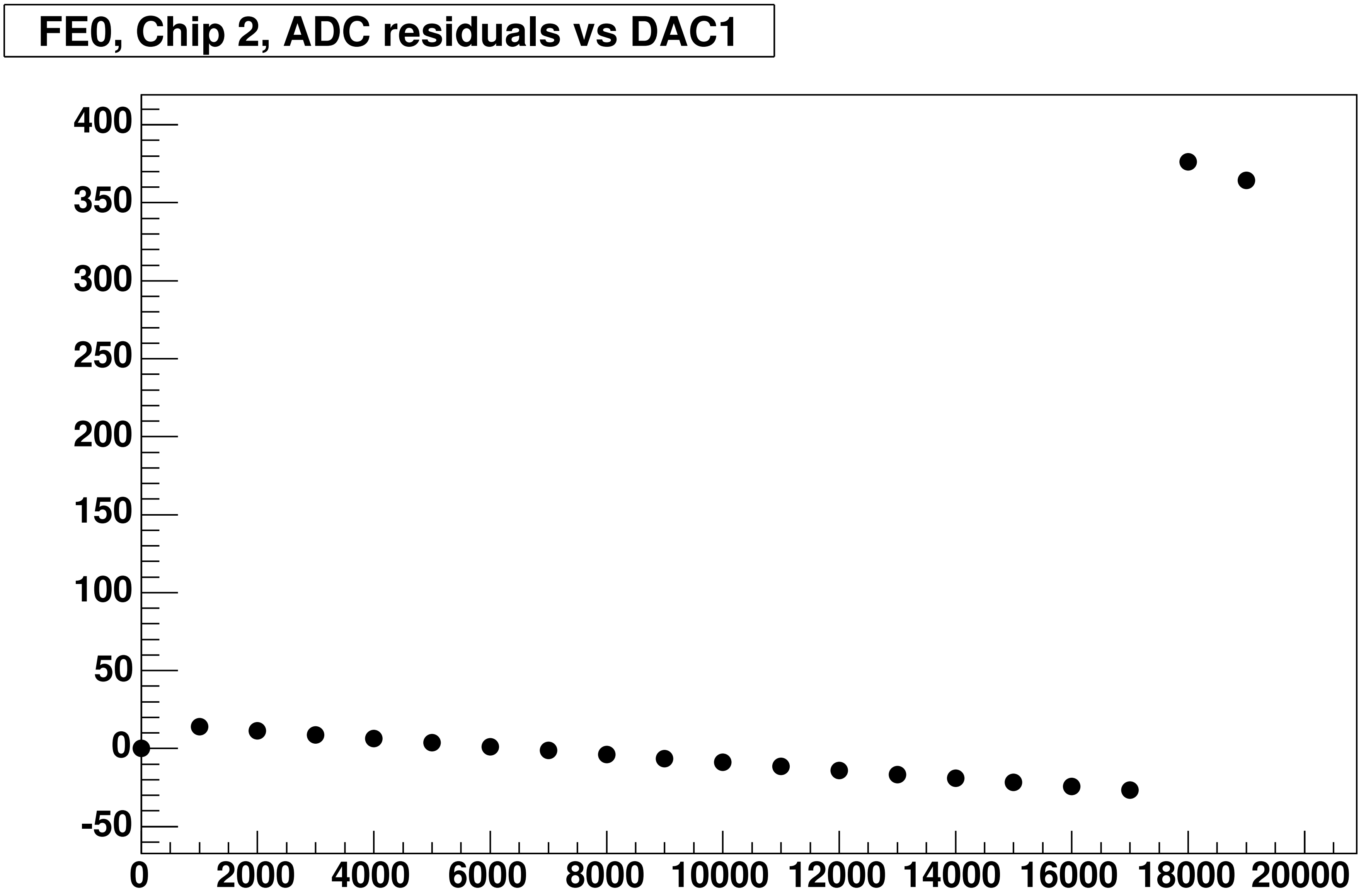

FE0, Chip 2, ADC residuals vs DAC0
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
-12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE0, Chip 2, ADC mean vs DAC1
χ^2 / ndf 4.393e+04 / 17
p0 -16.44 ± 0.5011
p1 0.002543 ± 4.799e-05
0
50
100
150
200
250
300
350
400
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

FE0, Chip 2, ADC noise vs DAC1




FE0, Chip 2, ADC residuals vs DAC1
400
350
300
250
200
150
100
50
0
-50
0
2000
4000
6000
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10000
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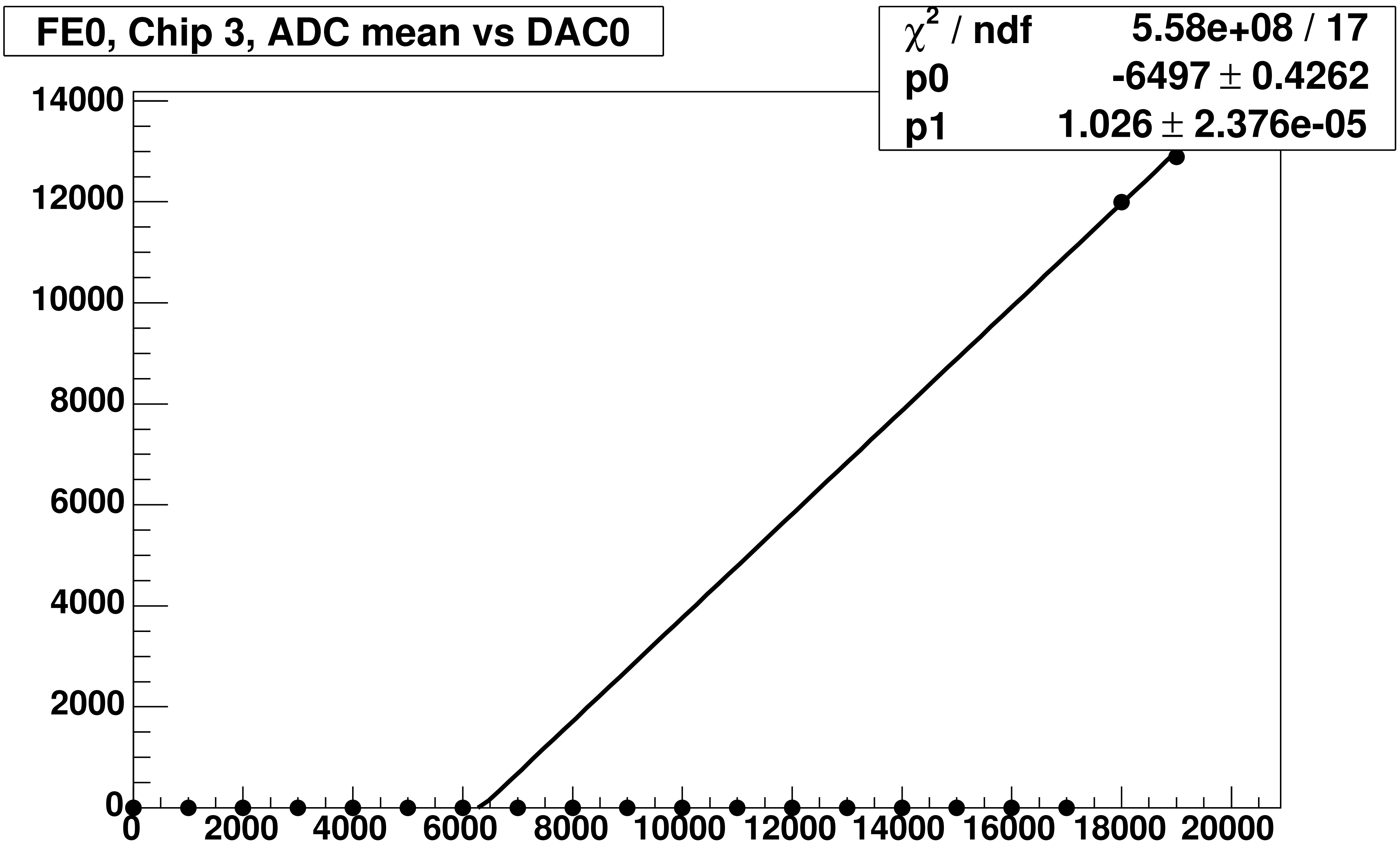
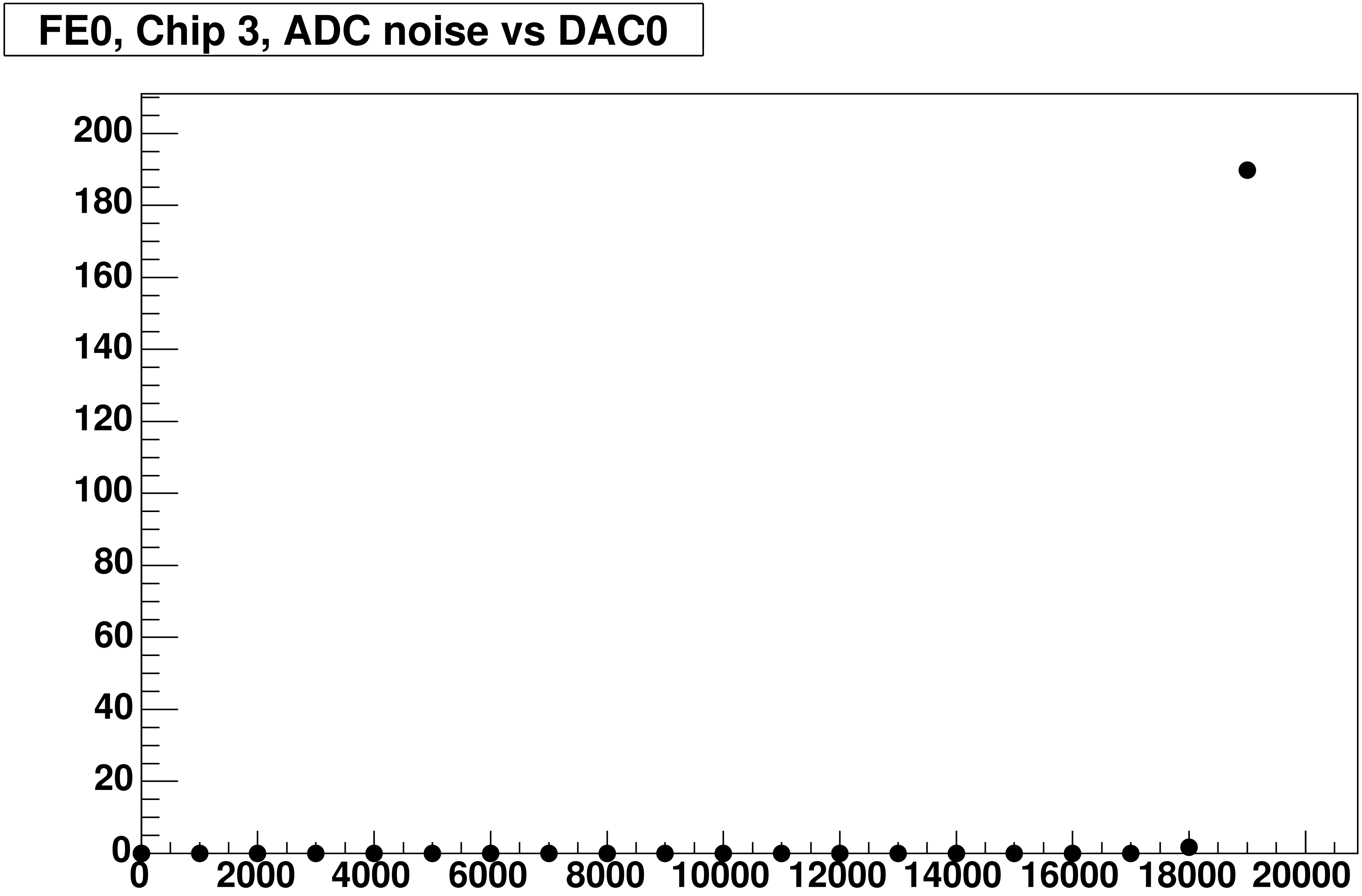
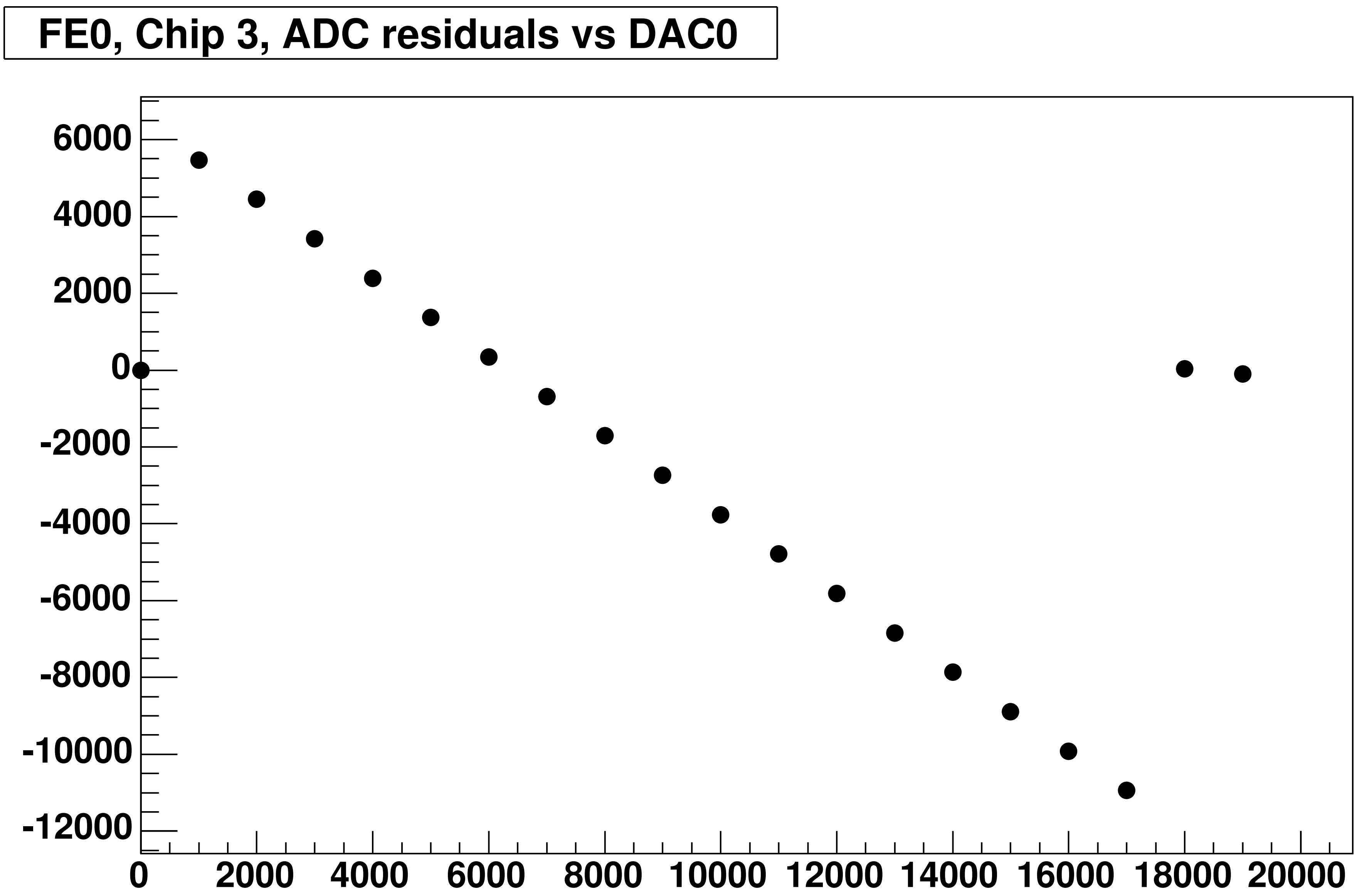
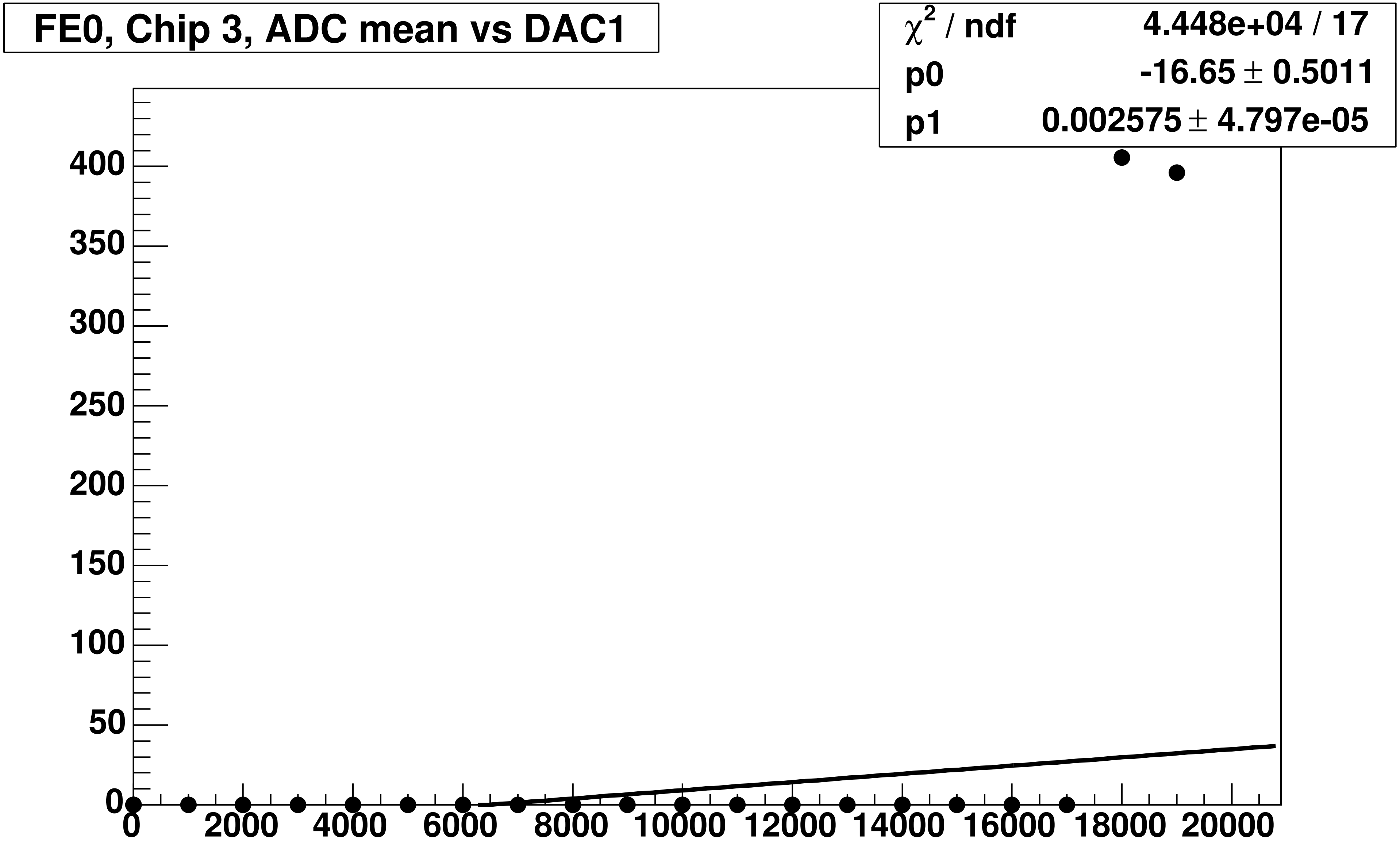
14000
16000
18000
20000

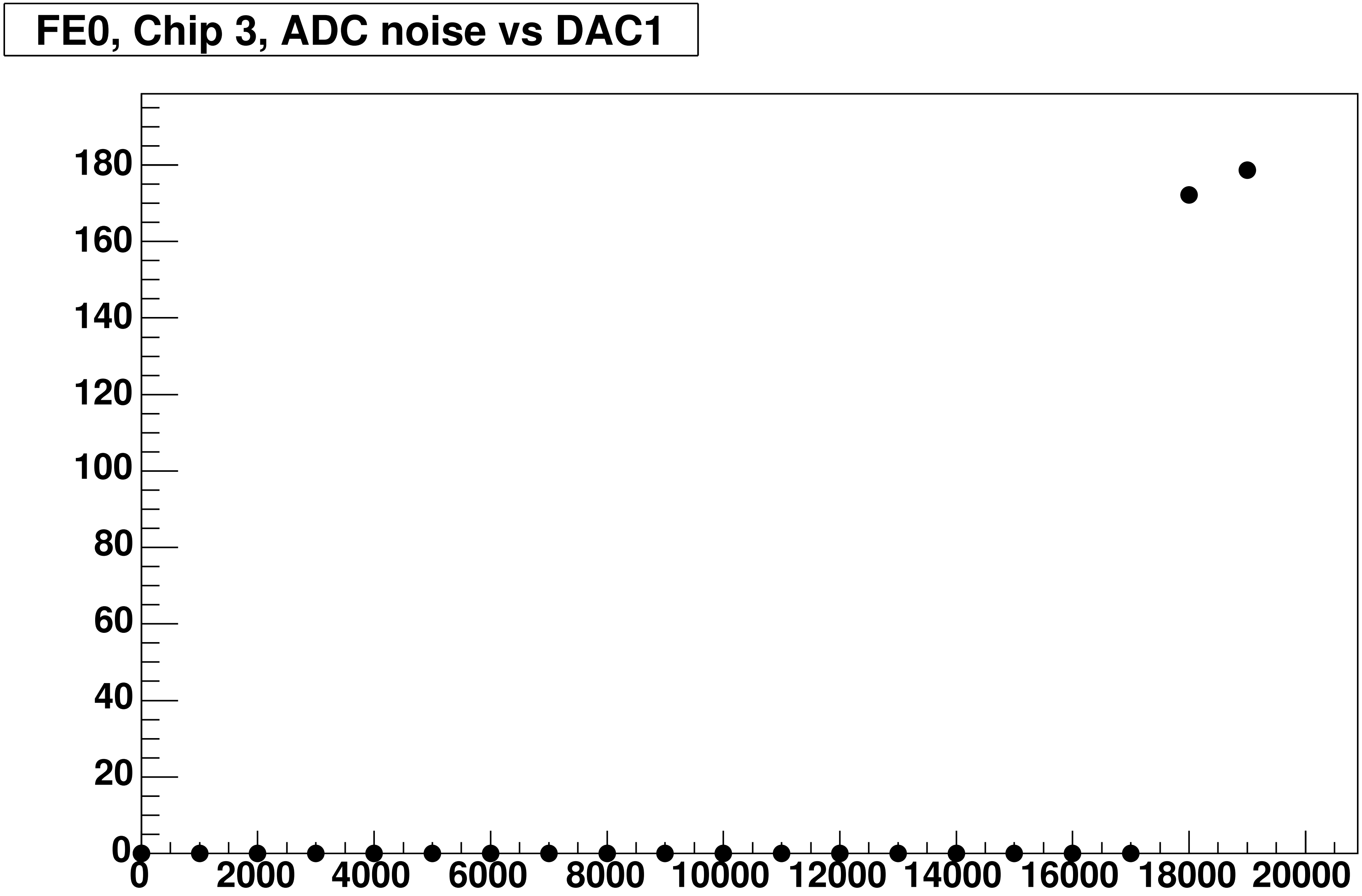

FE0, Chip 3, ADC mean vs DAC0
χ² / ndf 5.58e+08 / 17
p0 -6497 ± 0.4262
p1 1.026 ± 2.376e-05
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

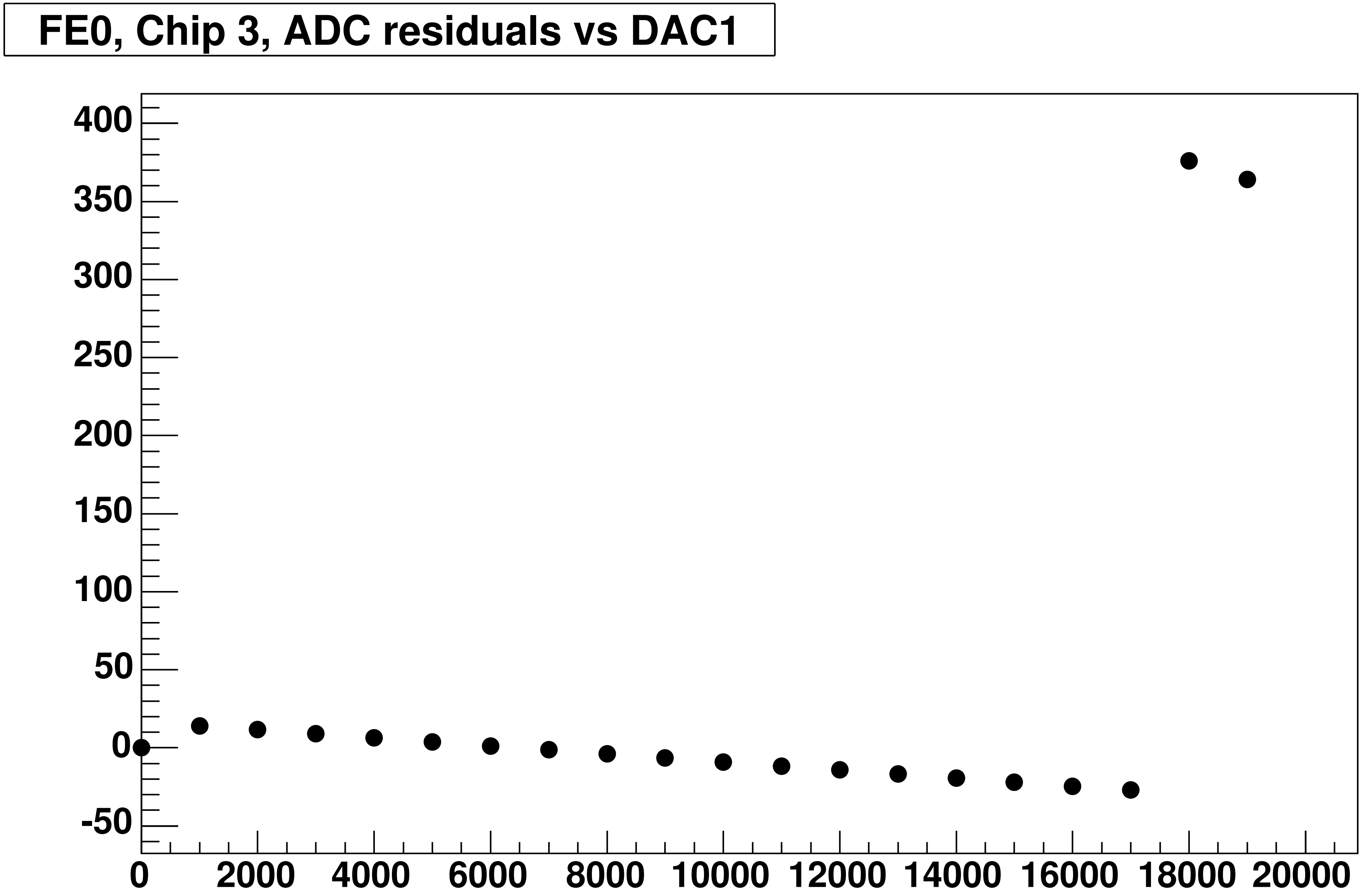

FE0, Chip 3, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 3, ADC residuals vs DAC0
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
-12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

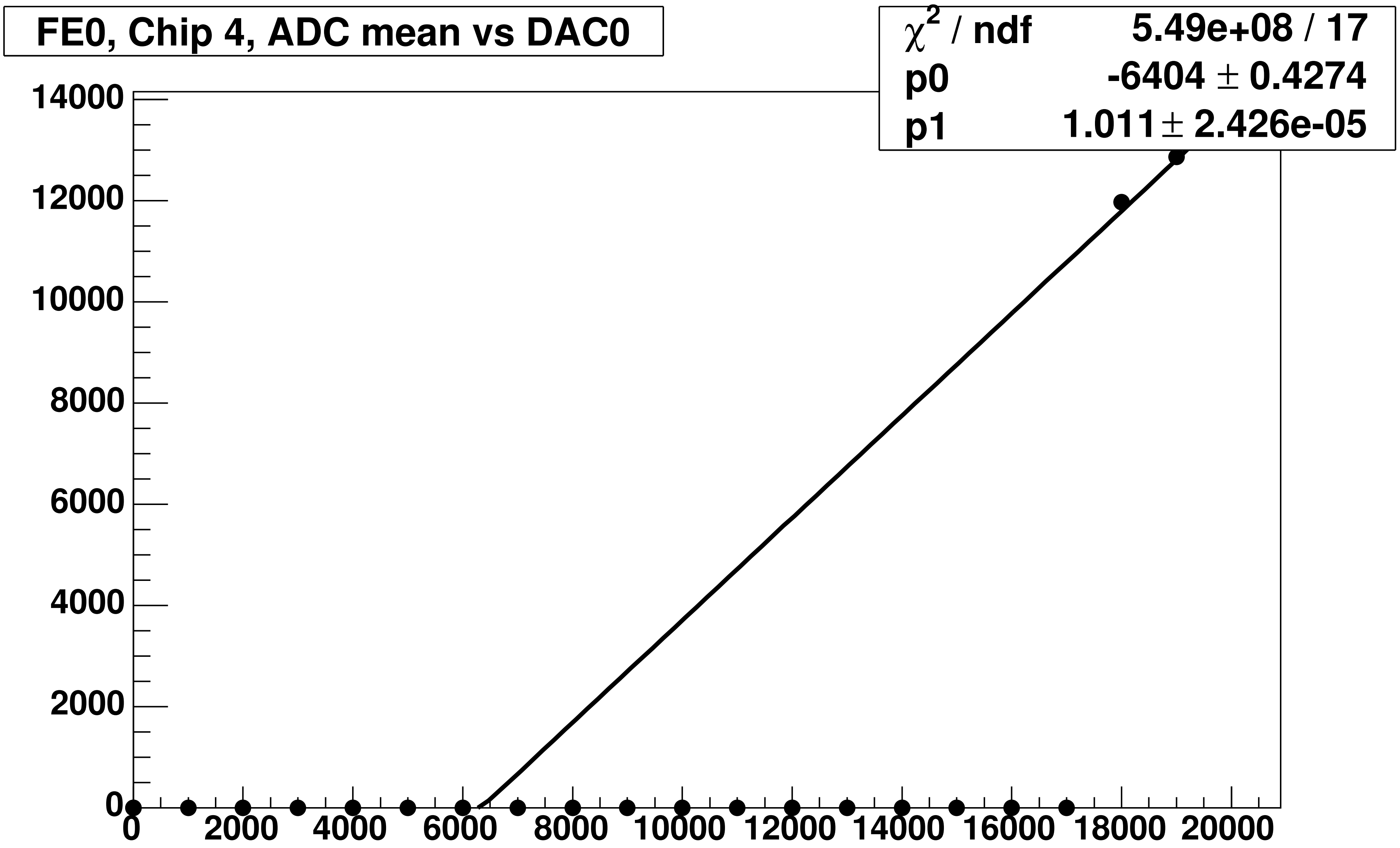


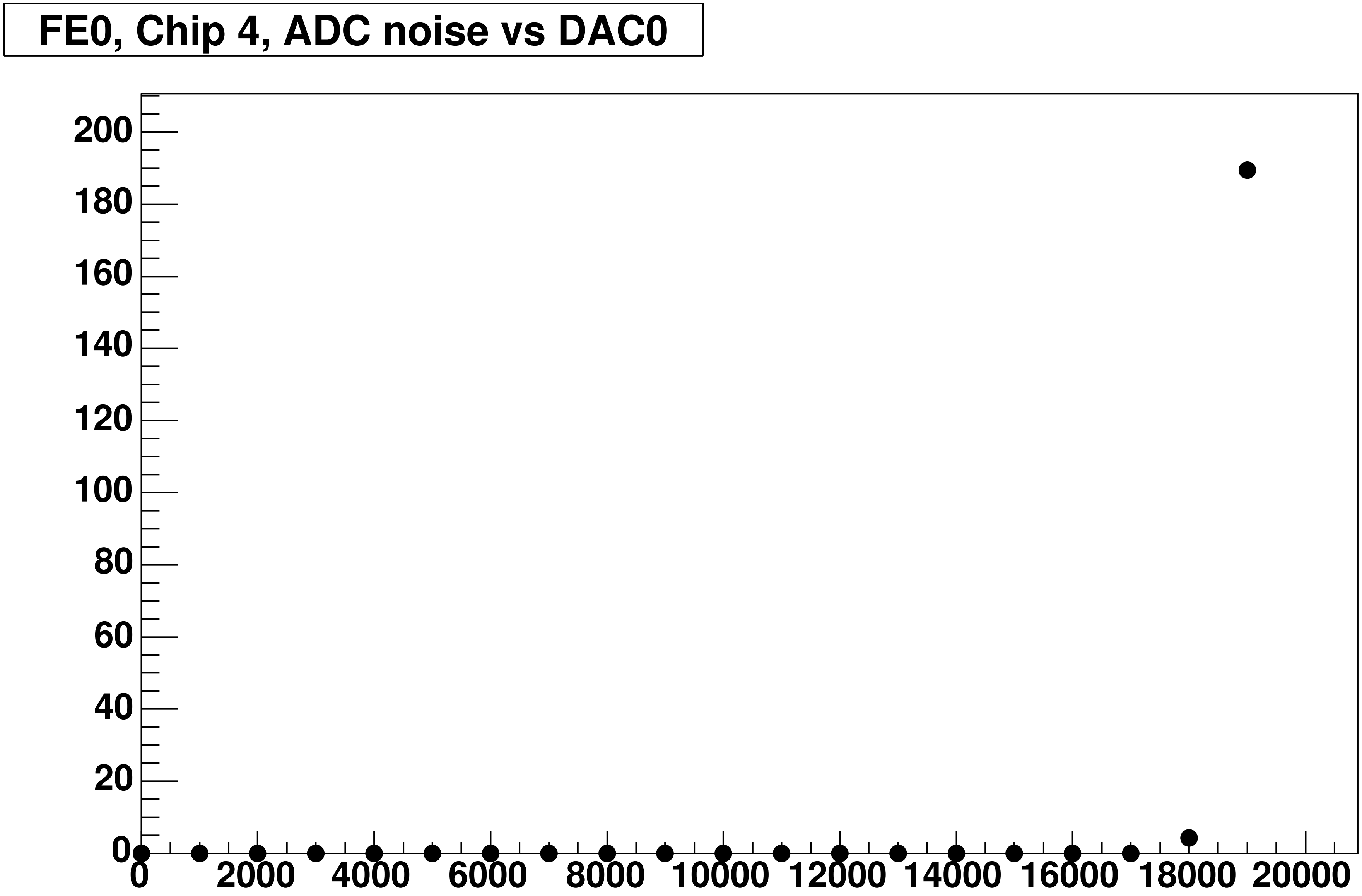
FE0, Chip 3, ADC mean vs DAC1
χ^2 / ndf 4.448e+04 / 17
p0 -16.65 ± 0.5011
p1 0.002575 ± 4.797e-05
0
50
100
150
200
250
300
350
400
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

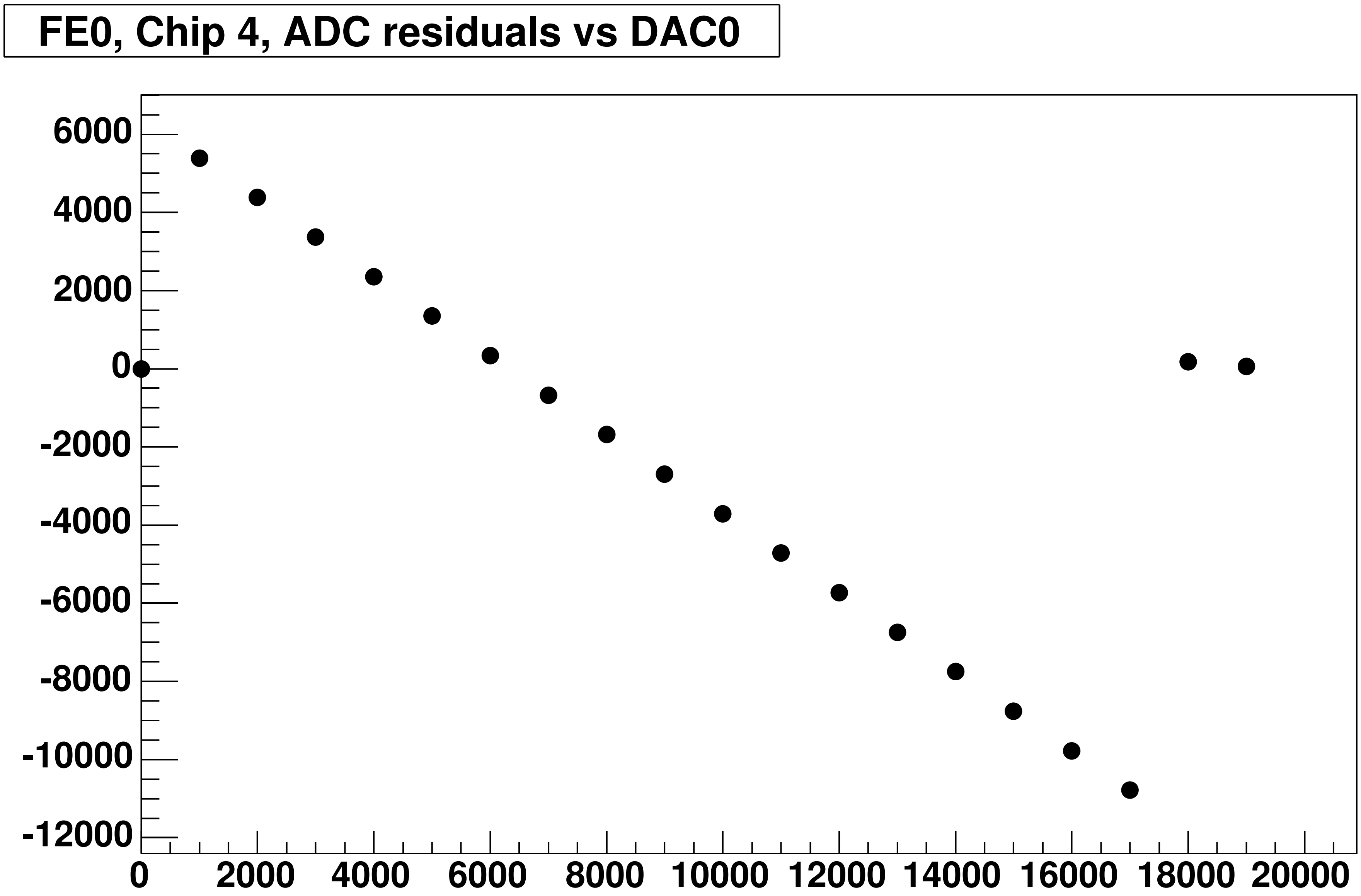

FE0, Chip 3, ADC noise vs DAC1
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

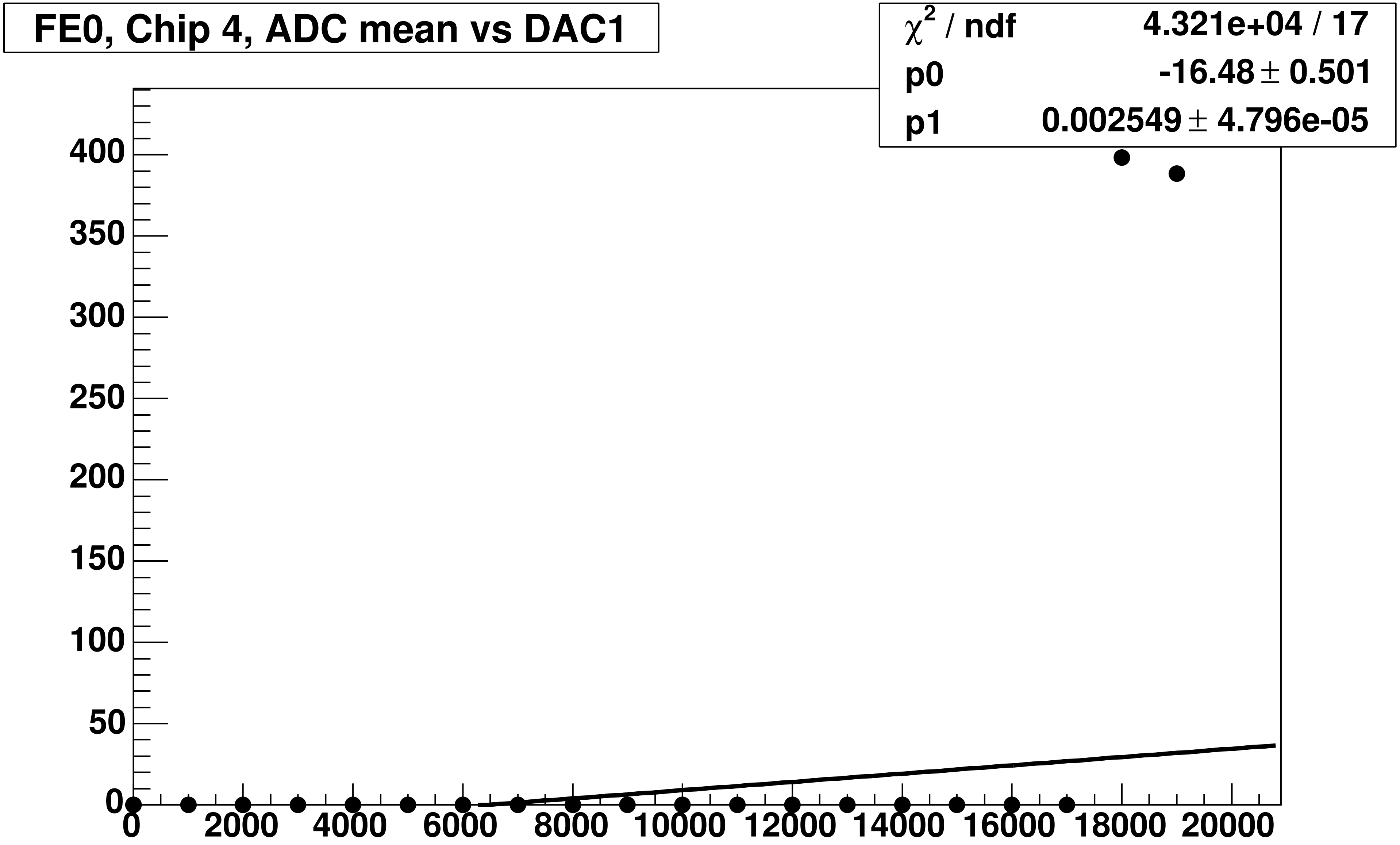


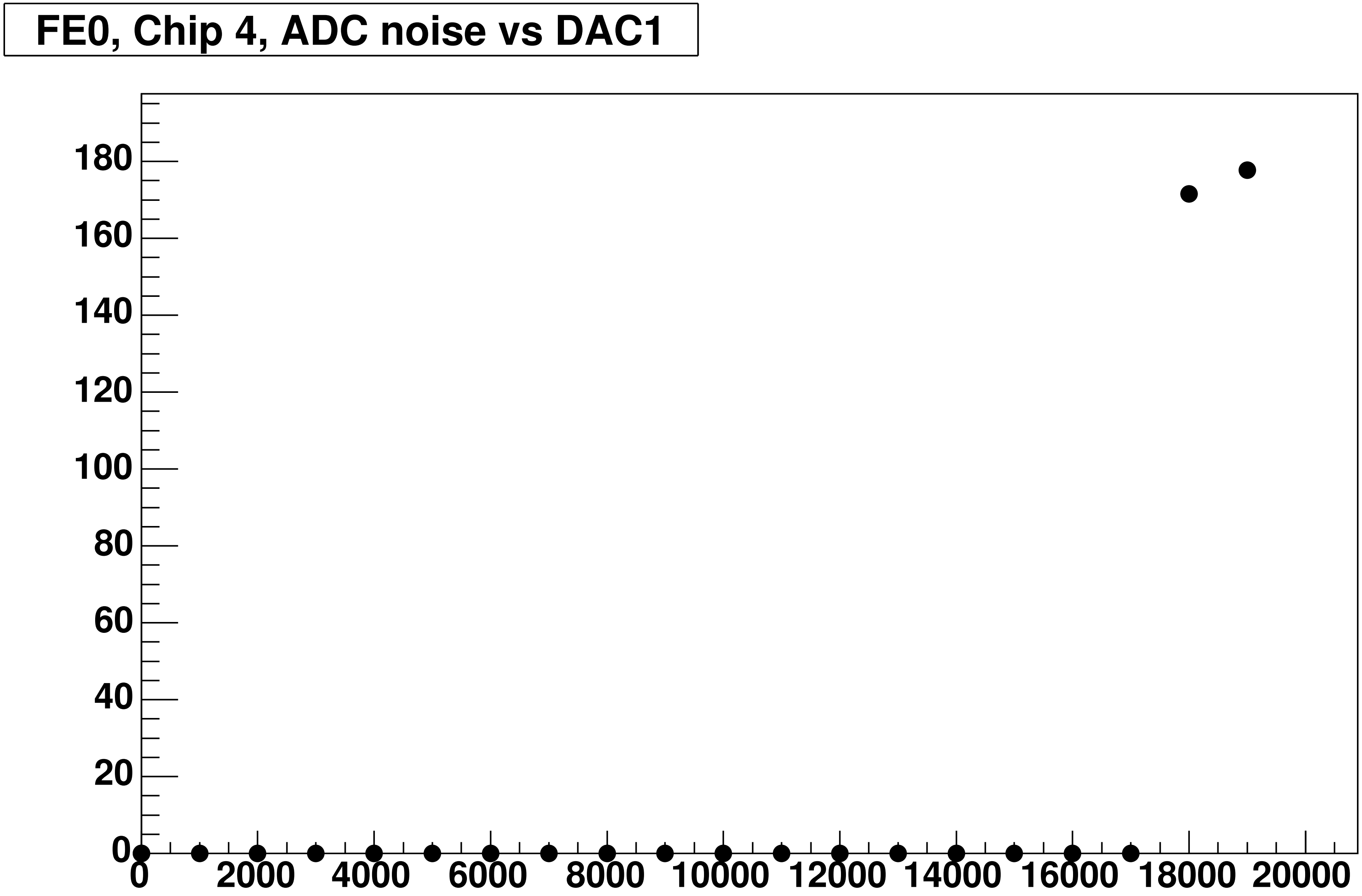
FE0, Chip 3, ADC residuals vs DAC1
400
350
300
250
200
150
100
50
0
-50
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

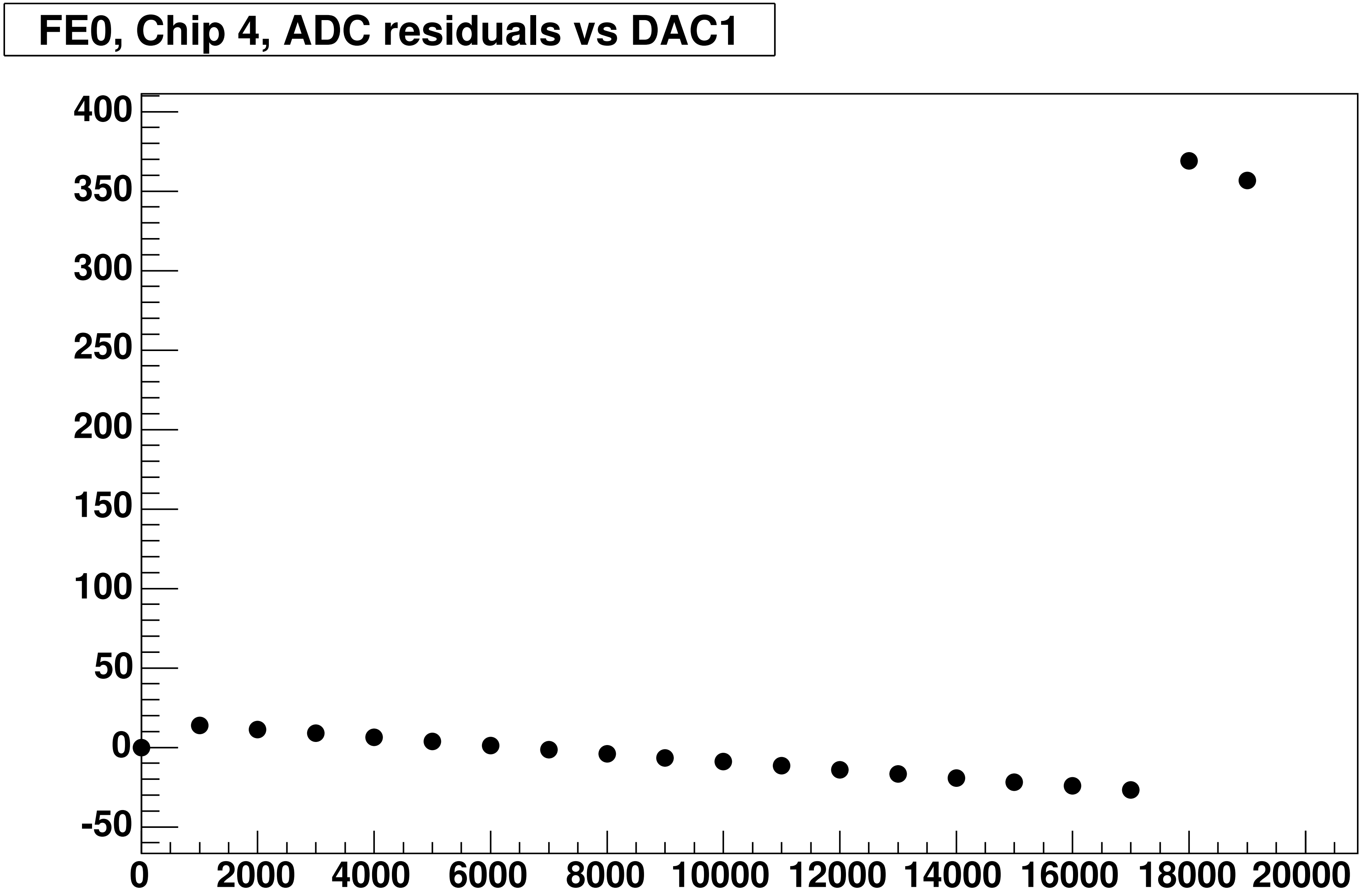

FE0, Chip 4, ADC mean vs DAC0
χ^2 / ndf 5.49e+08 / 17
p0 -6404 ± 0.4274
p1 1.011 ± 2.426e-05
14000
12000
10000
8000
6000
4000
2000
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

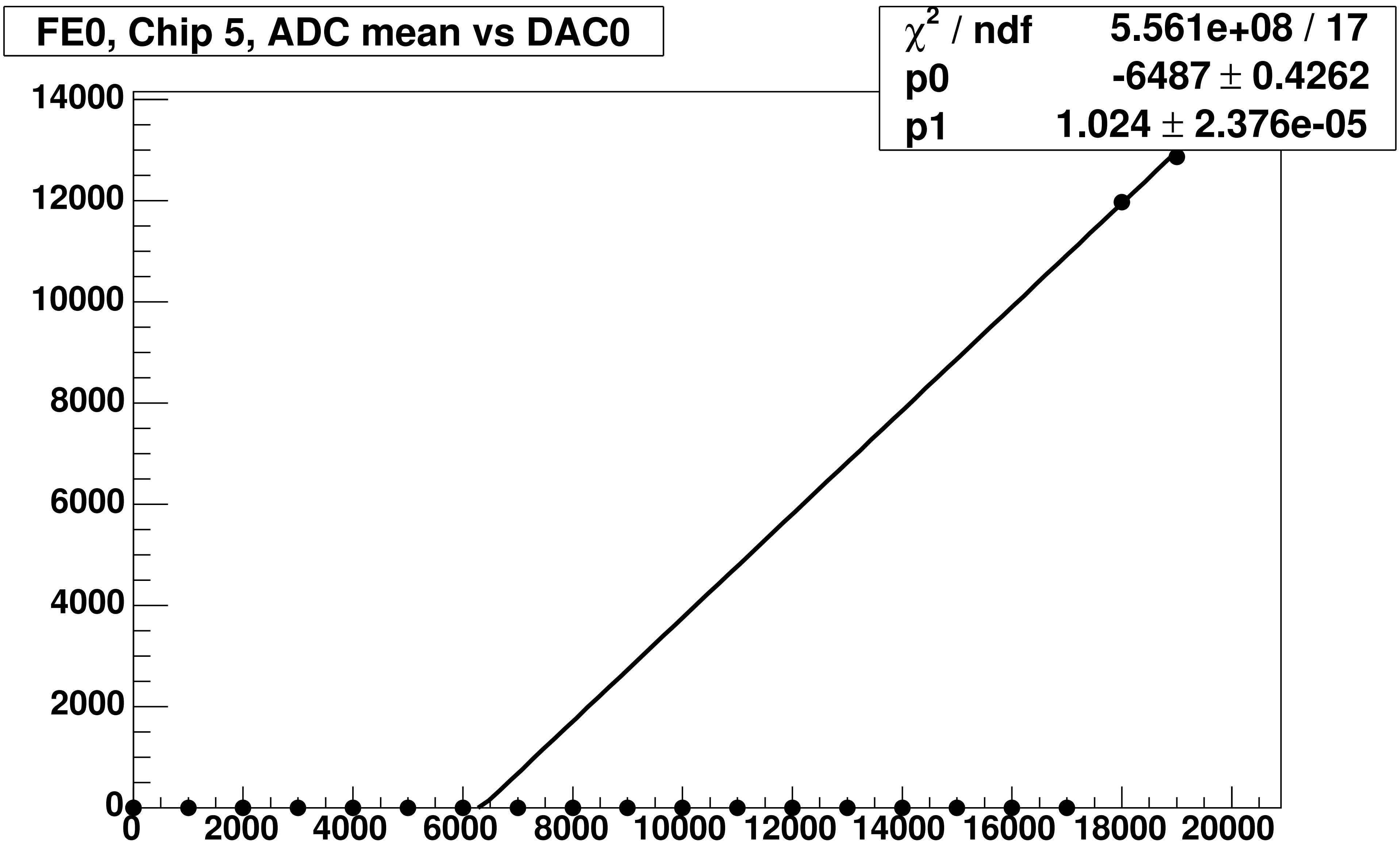

FE0, Chip 4, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 4, ADC residuals vs DAC0
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
-12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

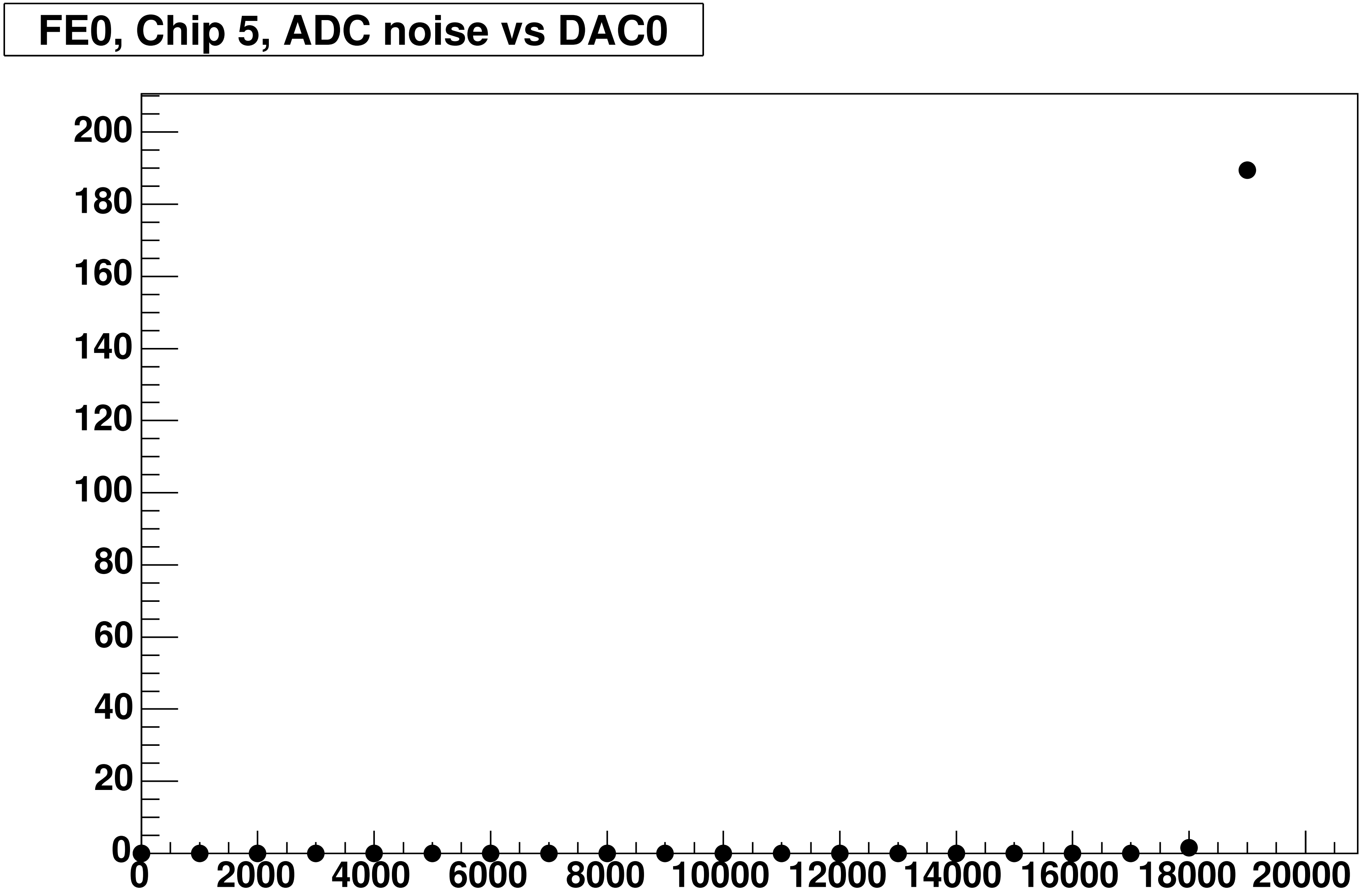

FE0, Chip 4, ADC mean vs DAC1
χ^2 / ndf 4.321e+04 / 17
p0 -16.48 ± 0.501
p1 0.002549 ± 4.796e-05
0
50
100
150
200
250
300
350
400
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

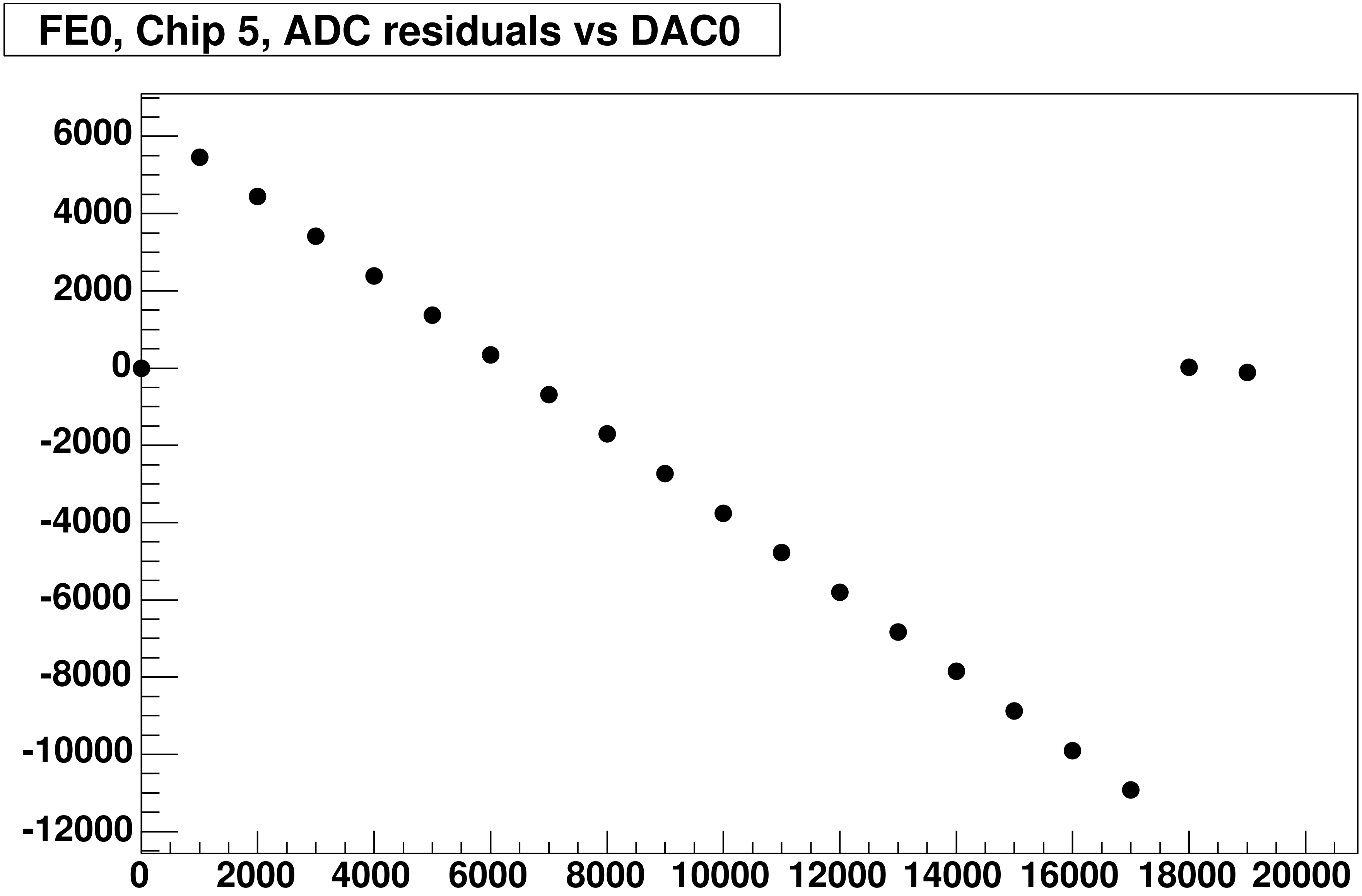

FE0, Chip 4, ADC noise vs DAC1
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 4, ADC residuals vs DAC1
400
350
300
250
200
150
100
50
0
-50
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

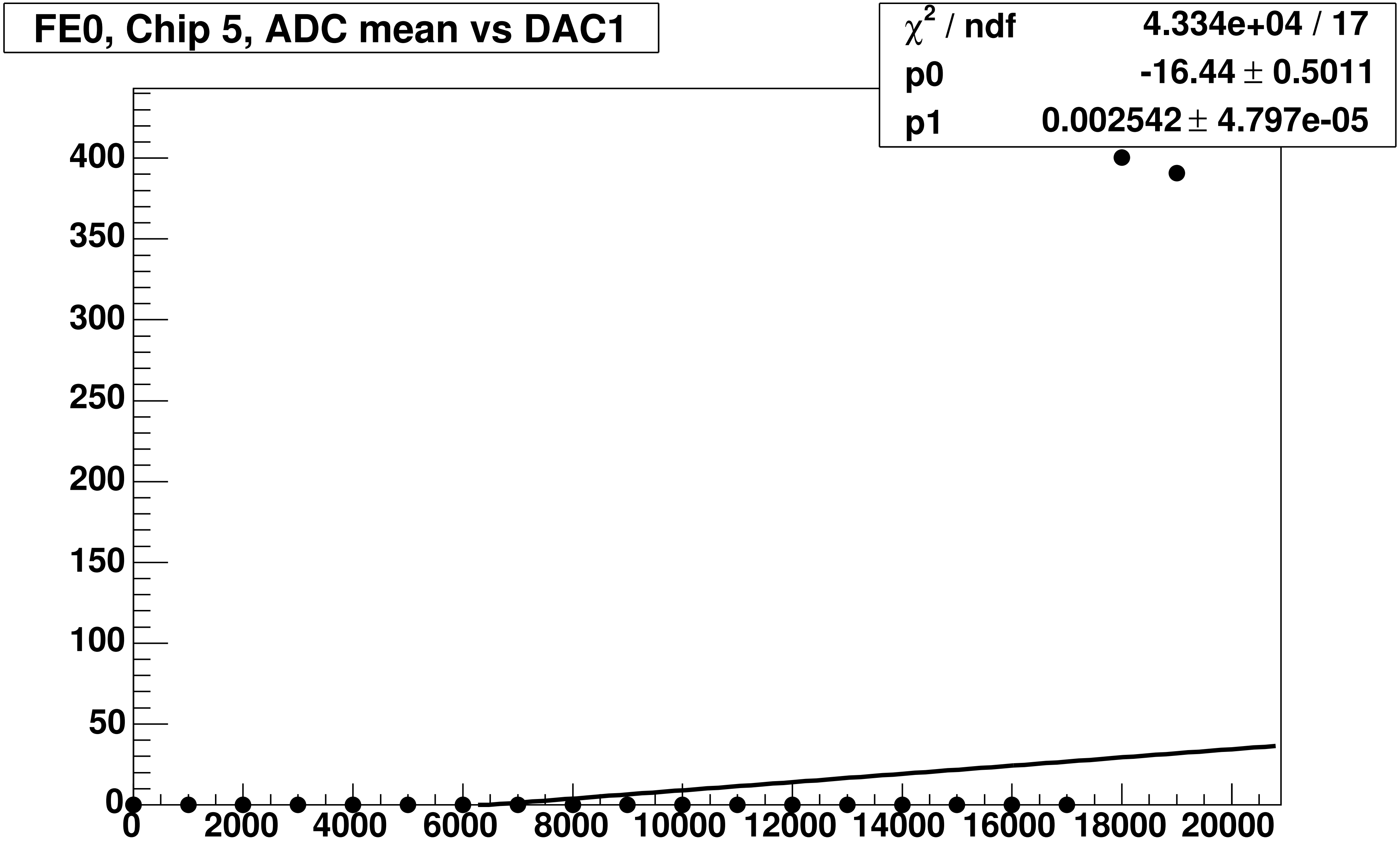


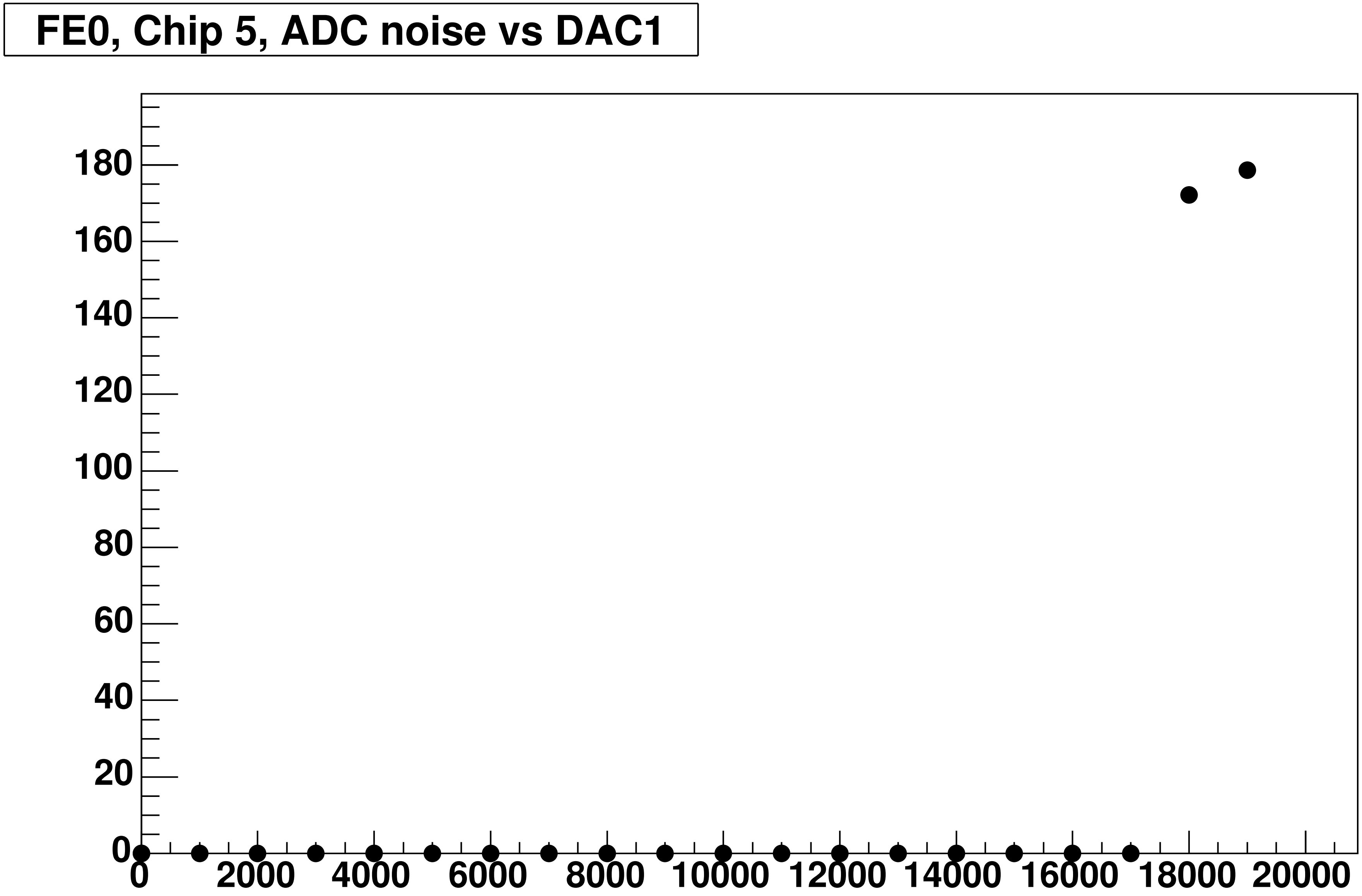
FE0, Chip 5, ADC mean vs DAC0
χ^2 / ndf 5.561e+08 / 17
p0 -6487 ± 0.4262
p1 1.024 ± 2.376e-05
0
2000
4000
6000
8000
10000
12000
14000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 5, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

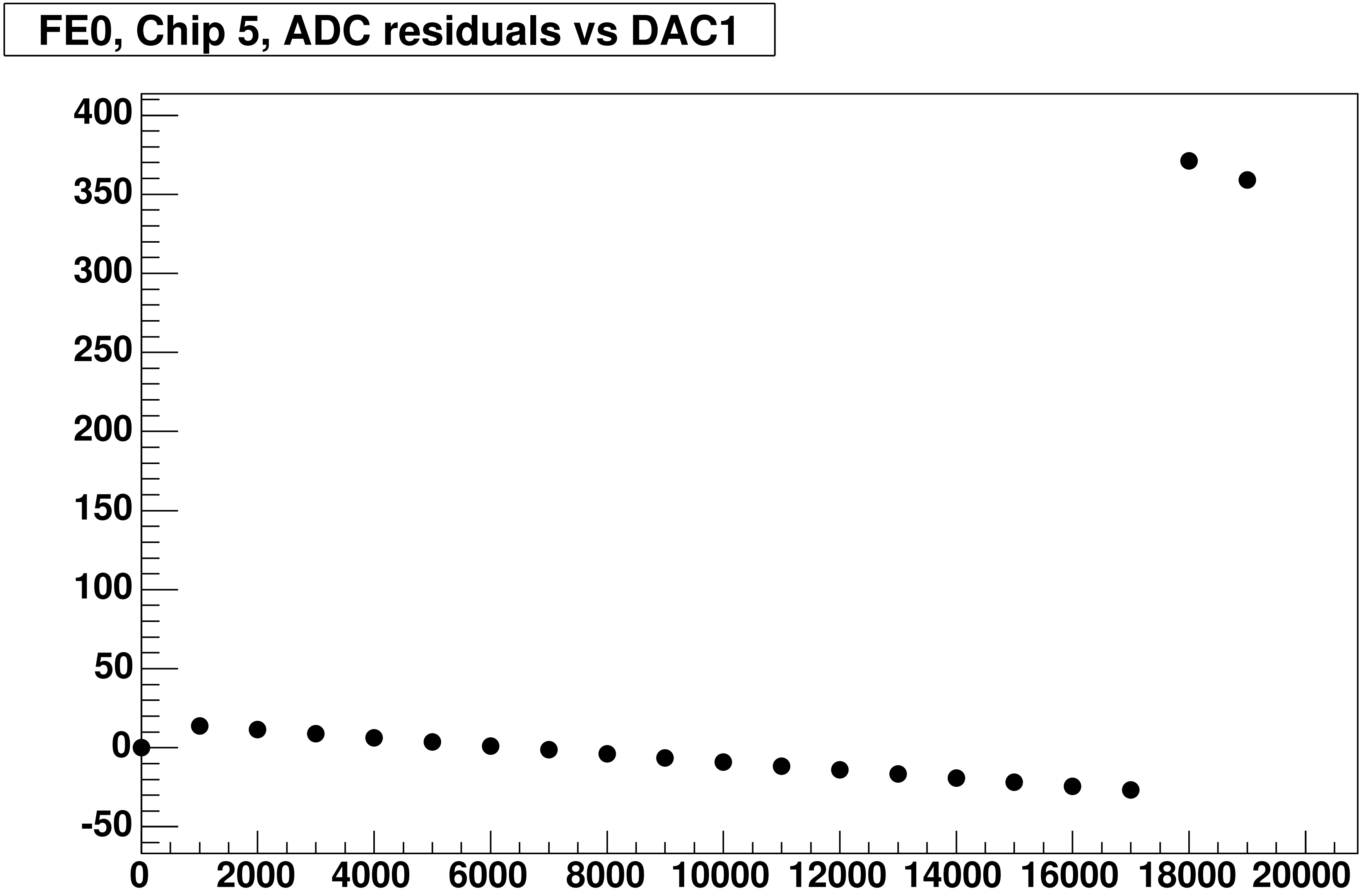


FE0, Chip 5, ADC residuals vs DAC0
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
-12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 5, ADC mean vs DAC1
χ^2 / ndf 4.334e+04 / 17
p0 -16.44 ± 0.5011
p1 0.002542 ± 4.797e-05
0
50
100
150
200
250
300
350
400
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE0, Chip 5, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 5, ADC residuals vs DAC1
400
350
300
250
200
150
100
50
0
-50
0
2000
4000
6000
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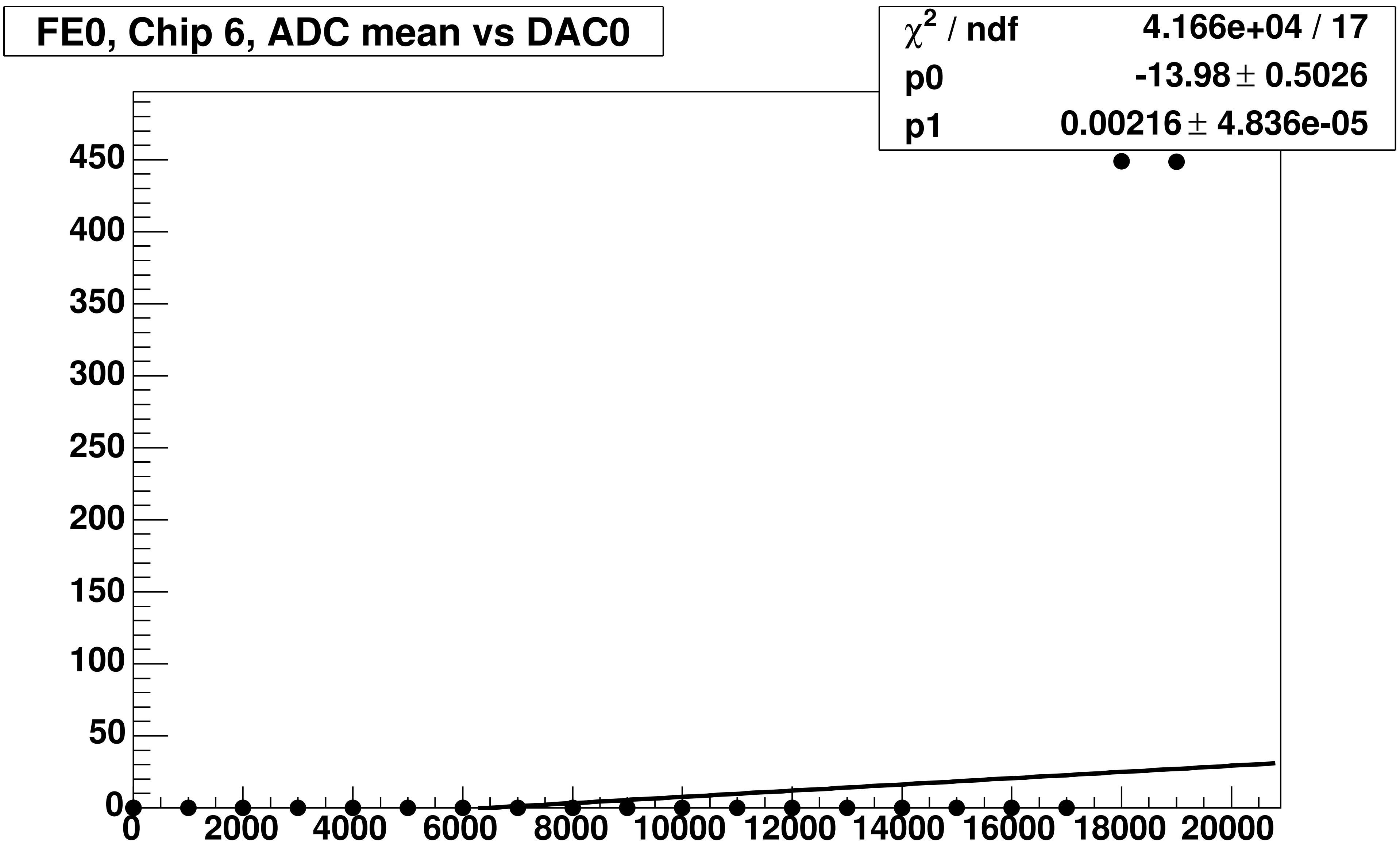
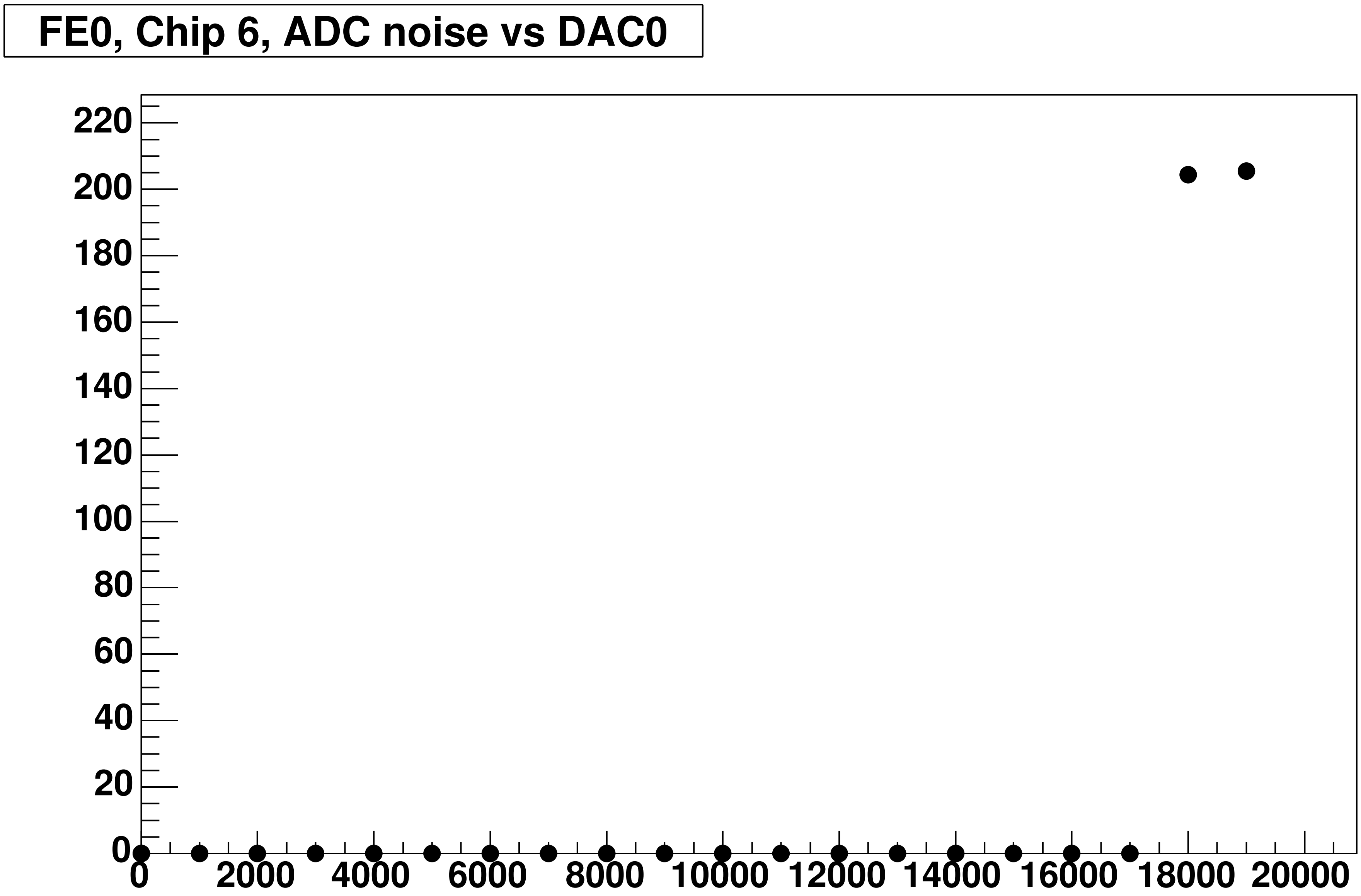
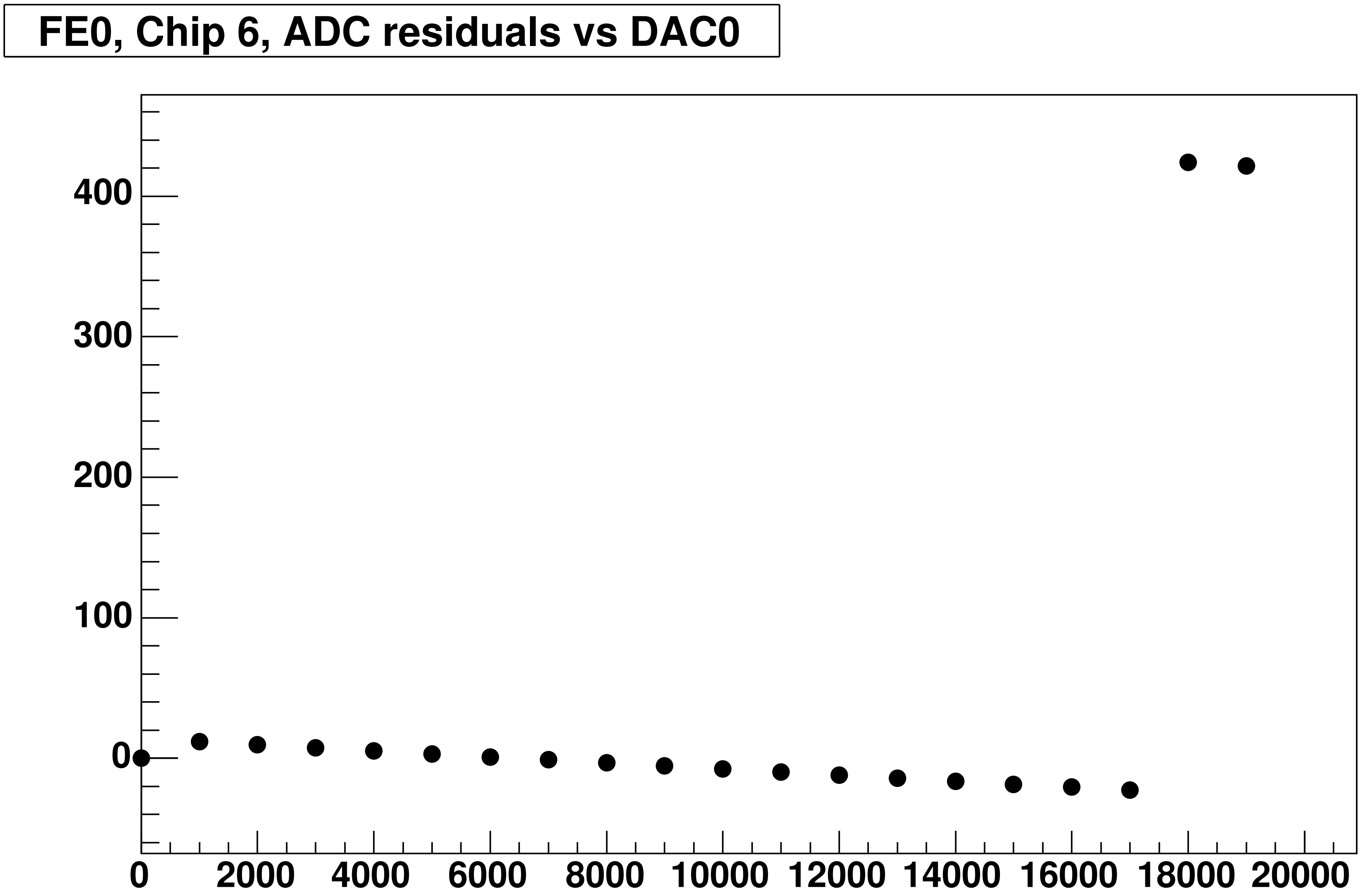
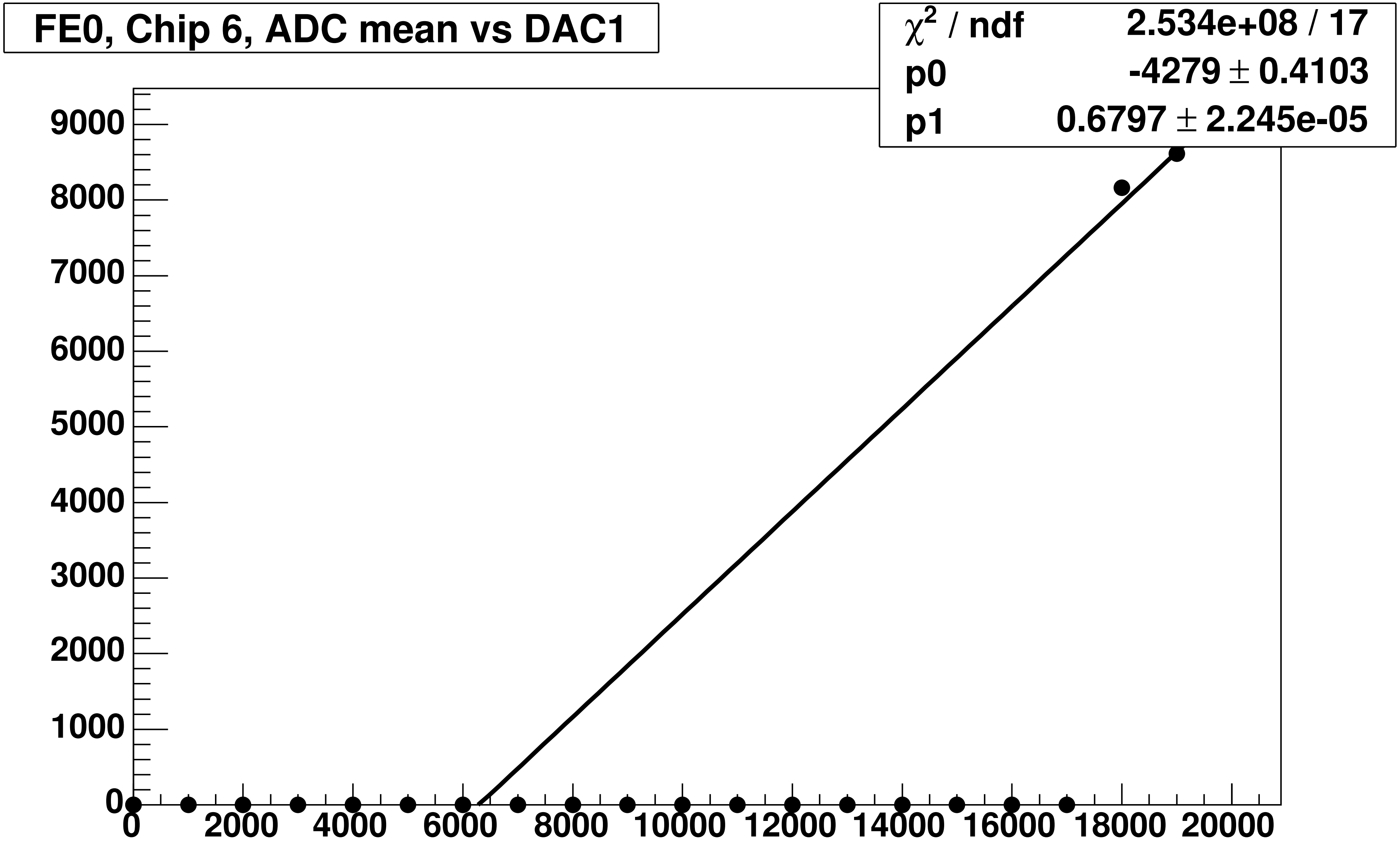
10000
12000
14000
16000
18000
20000

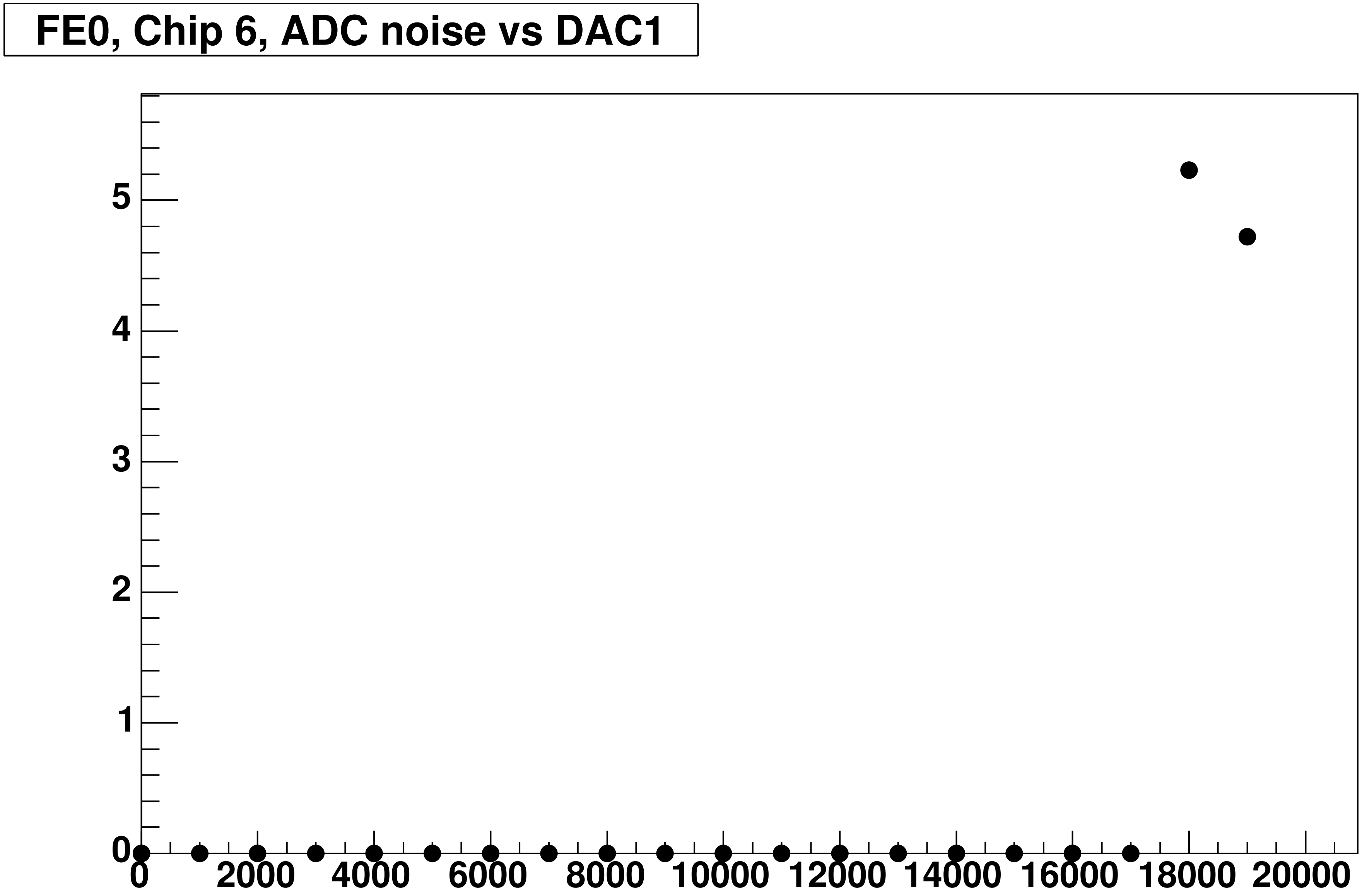


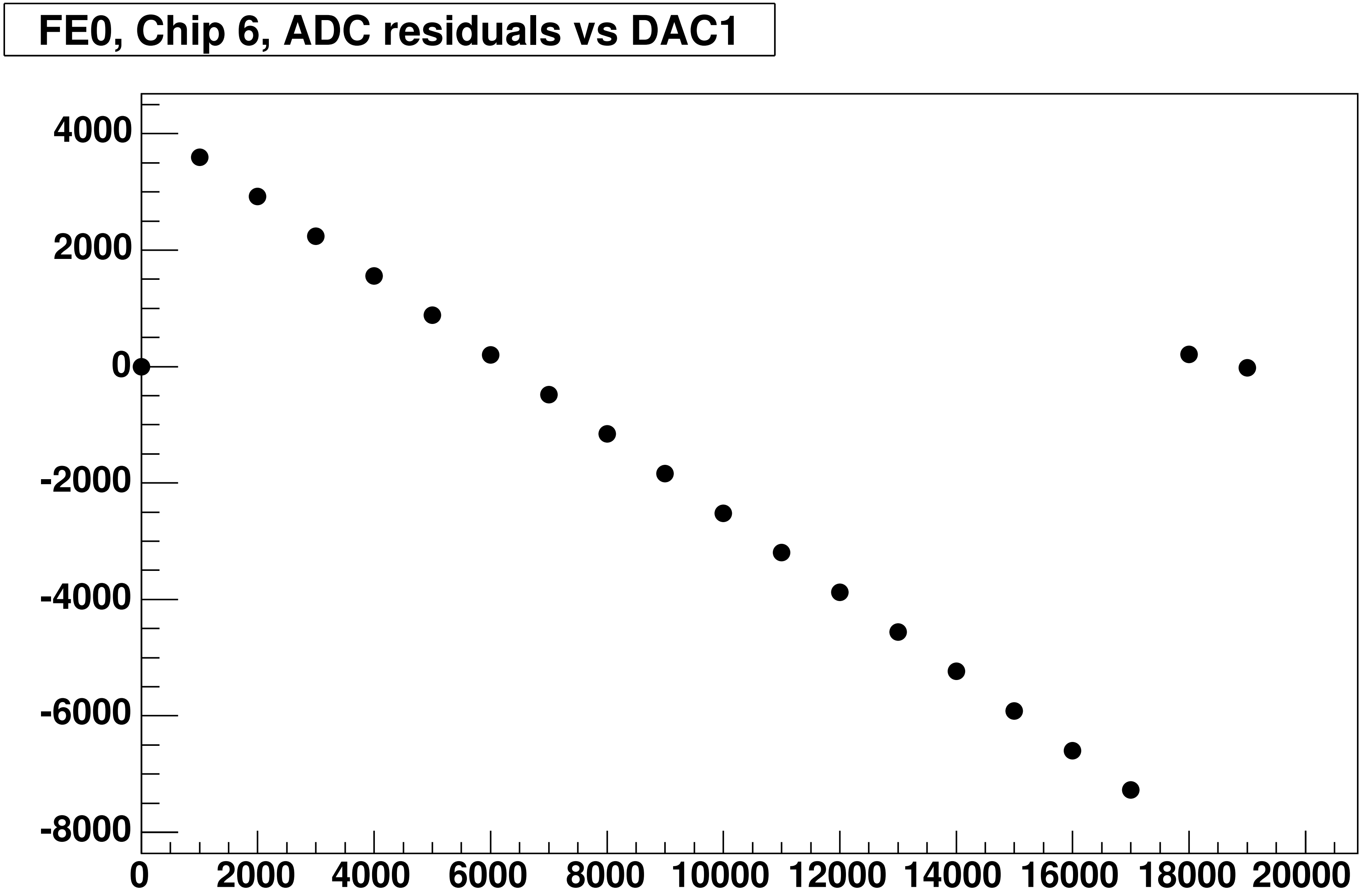
FE0, Chip 6, ADC mean vs DAC0
χ2 / ndf 4.166e+04 / 17
p0 -13.98 ± 0.5026
p1 0.00216 ± 4.836e-05
450
400
350
300
250
200
150
100
50
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

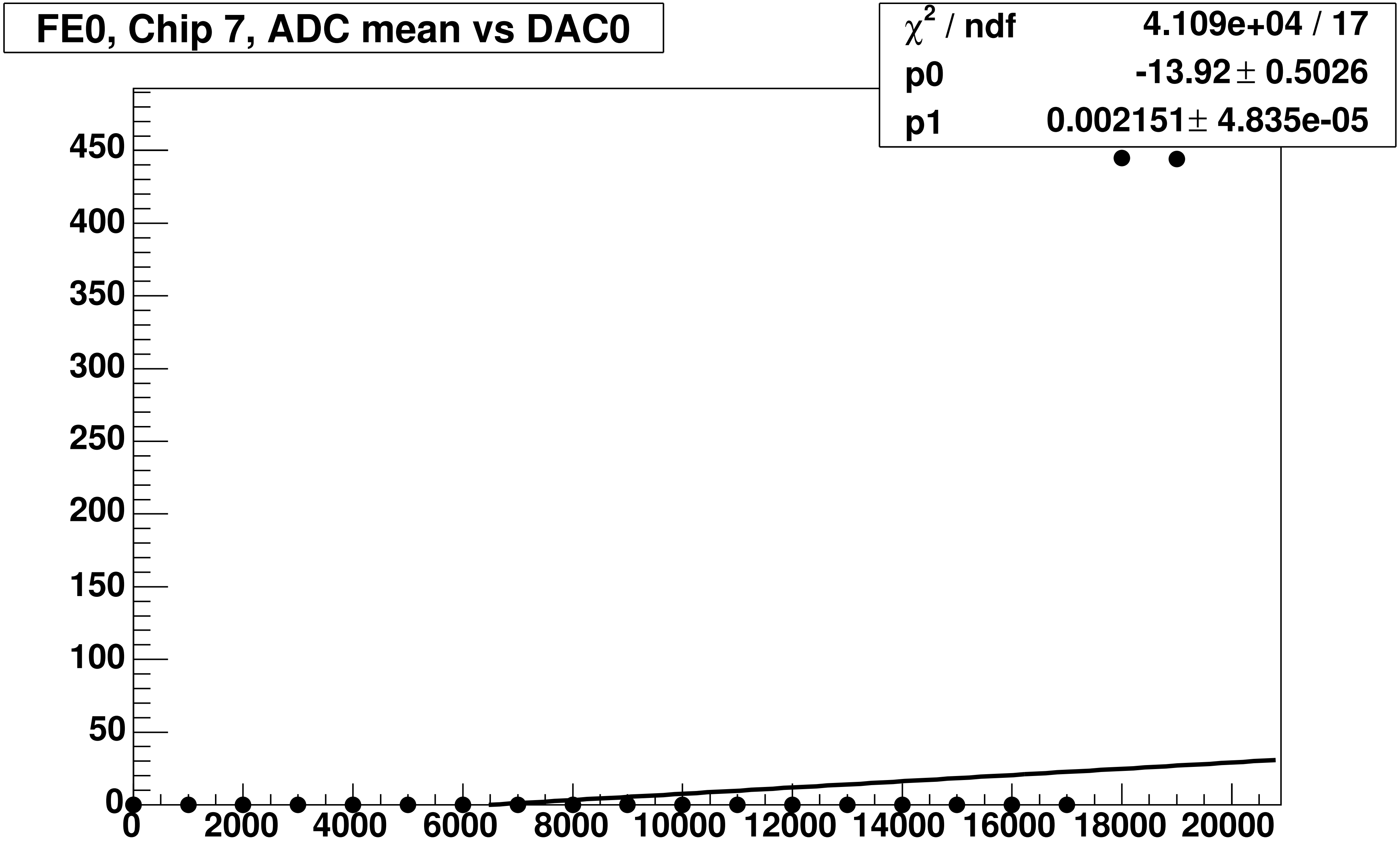

FE0, Chip 6, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
220
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

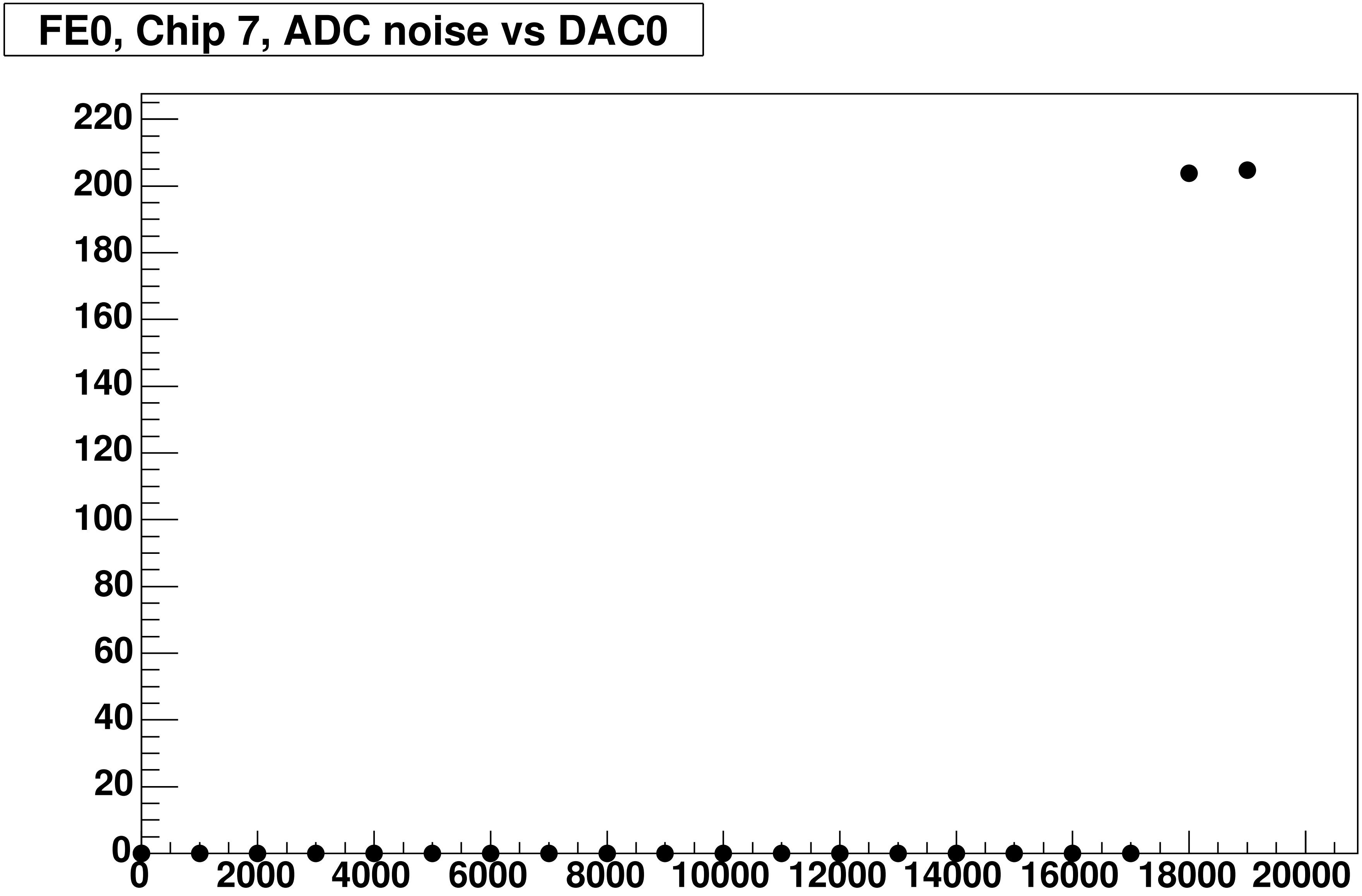

FE0, Chip 6, ADC residuals vs DAC0
400
300
200
100
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

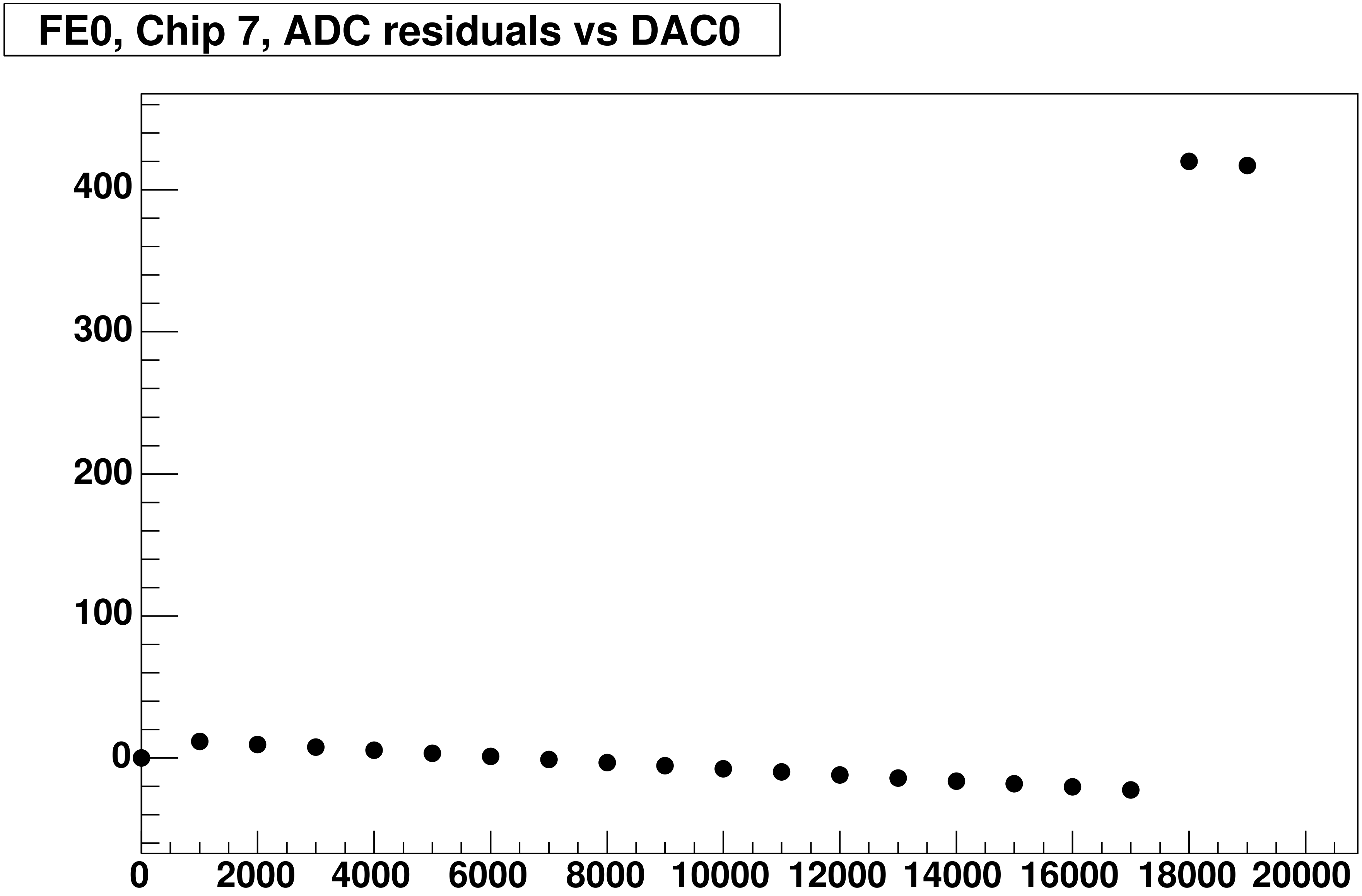

FE0, Chip 6, ADC mean vs DAC1
χ^2 / ndf 2.534e+08 / 17
p0 -4279 ± 0.4103
p1 0.6797 ± 2.245e-05
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

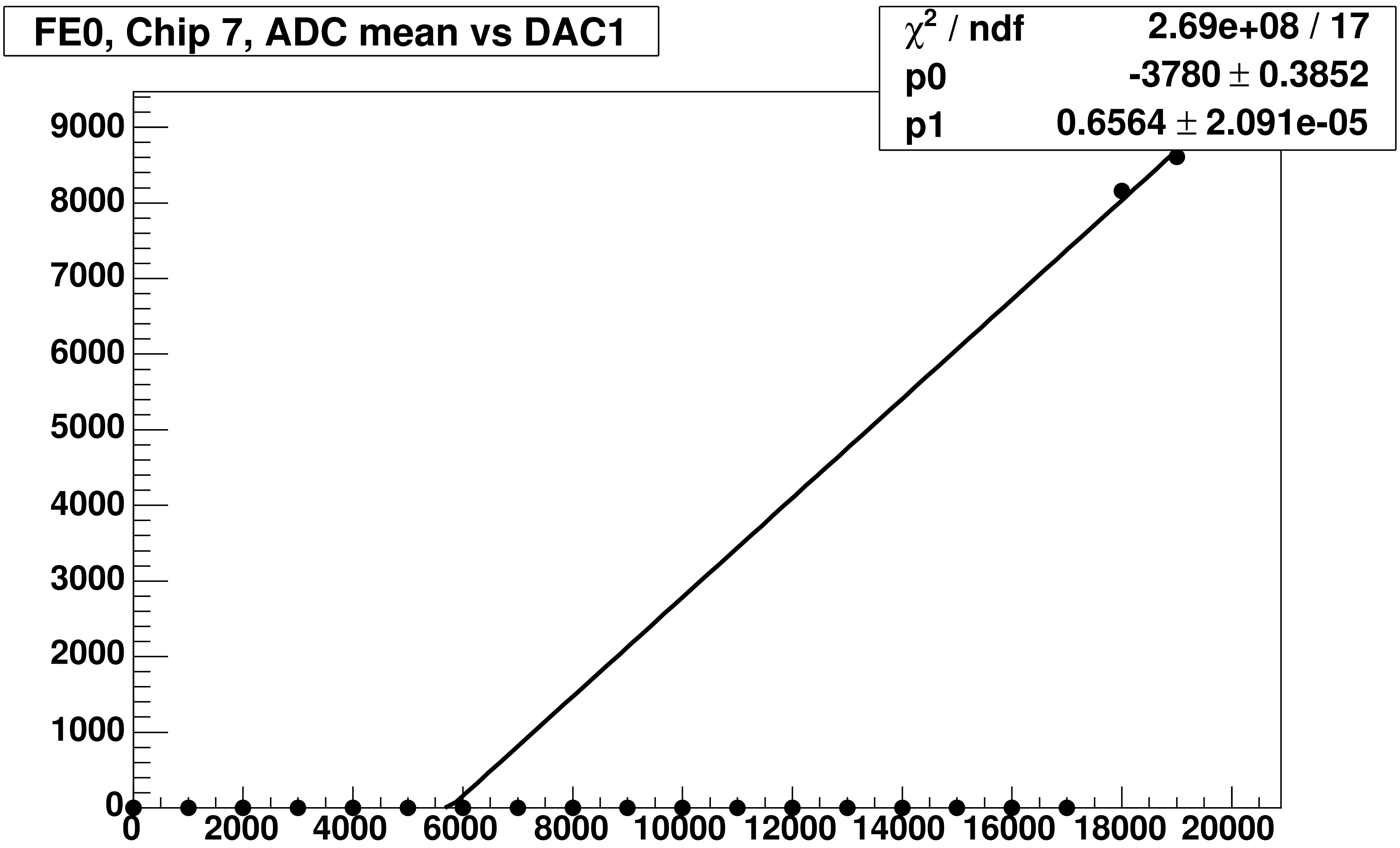

FE0, Chip 6, ADC noise vs DAC1
0
1
2
3
4
5
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 6, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

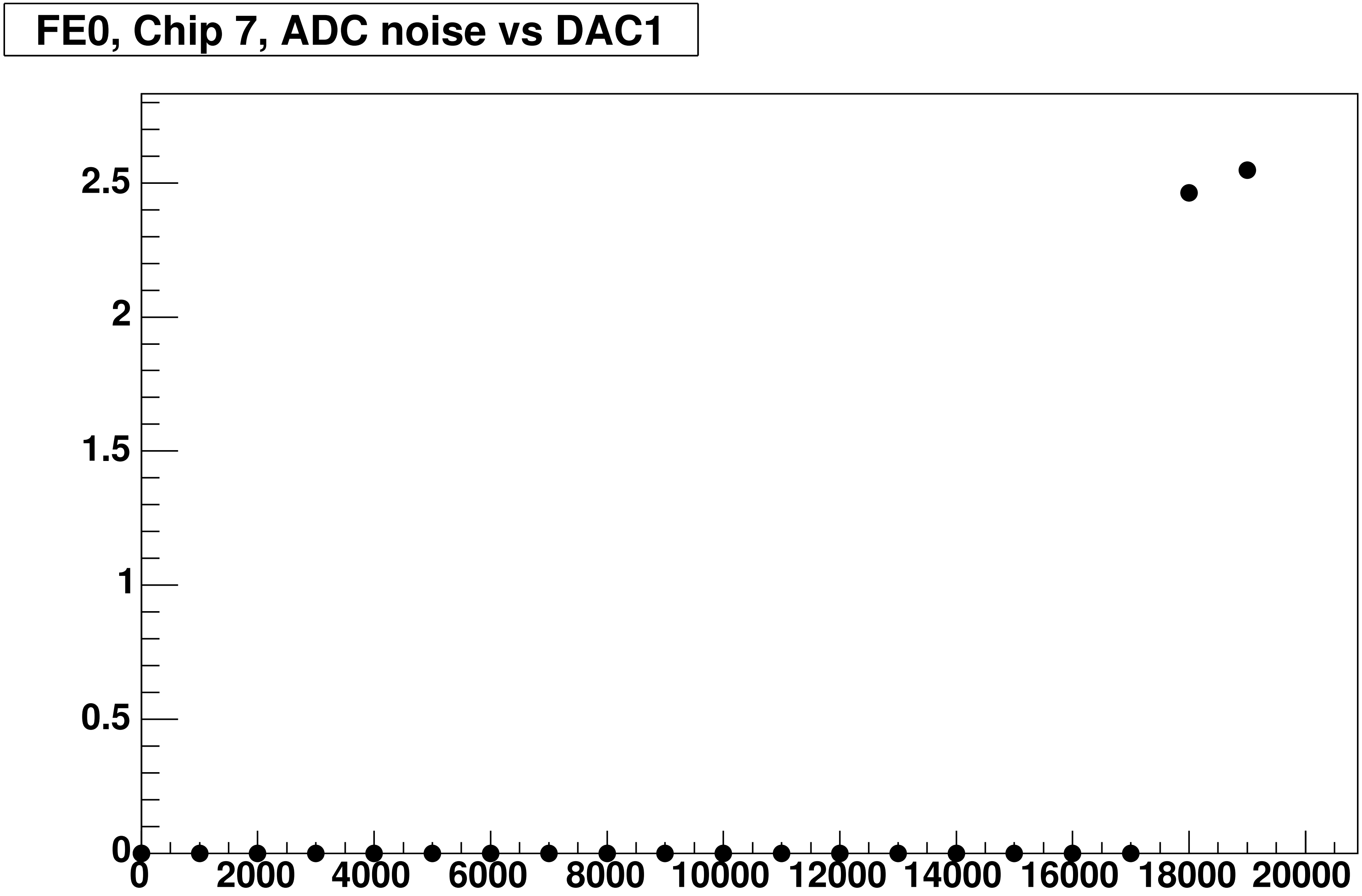

FE0, Chip 7, ADC mean vs DAC0
χ^2 / ndf 4.109e+04 / 17
p0 -13.92 ± 0.5026
p1 0.002151 ± 4.835e-05
0
50
100
150
200
250
300
350
400
450
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

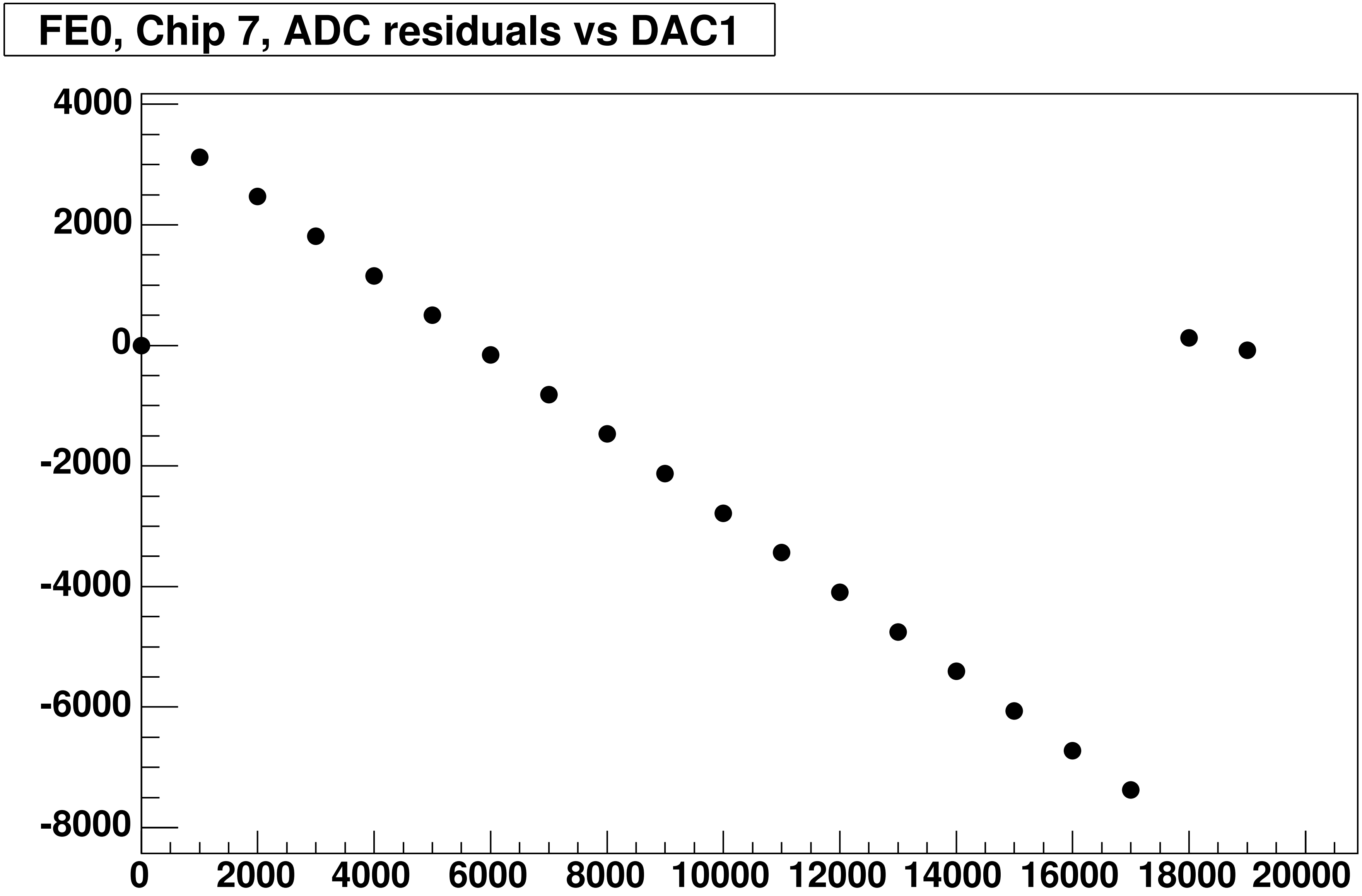

FE0, Chip 7, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
220
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

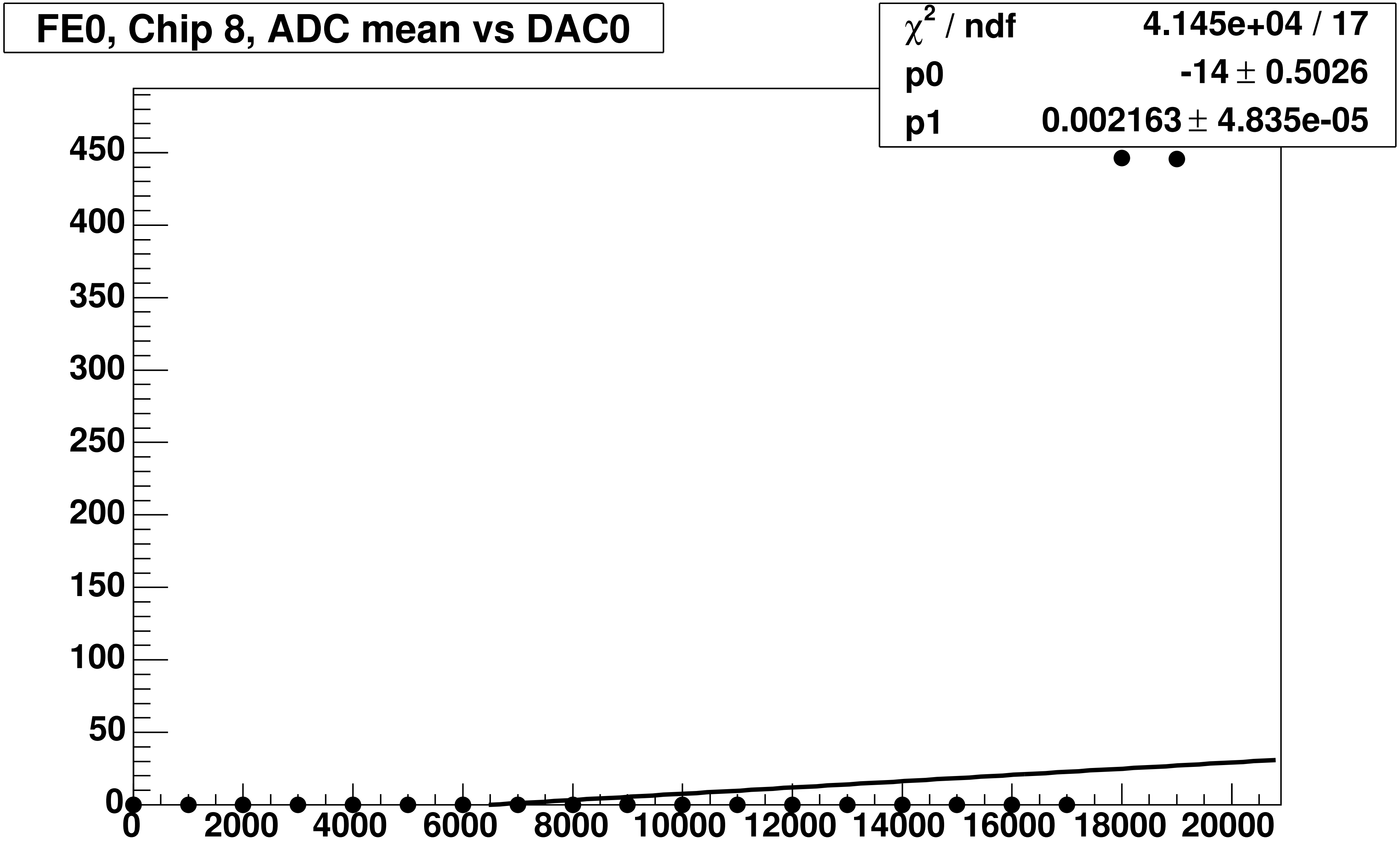

FE0, Chip 7, ADC residuals vs DAC0
400
300
200
100
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

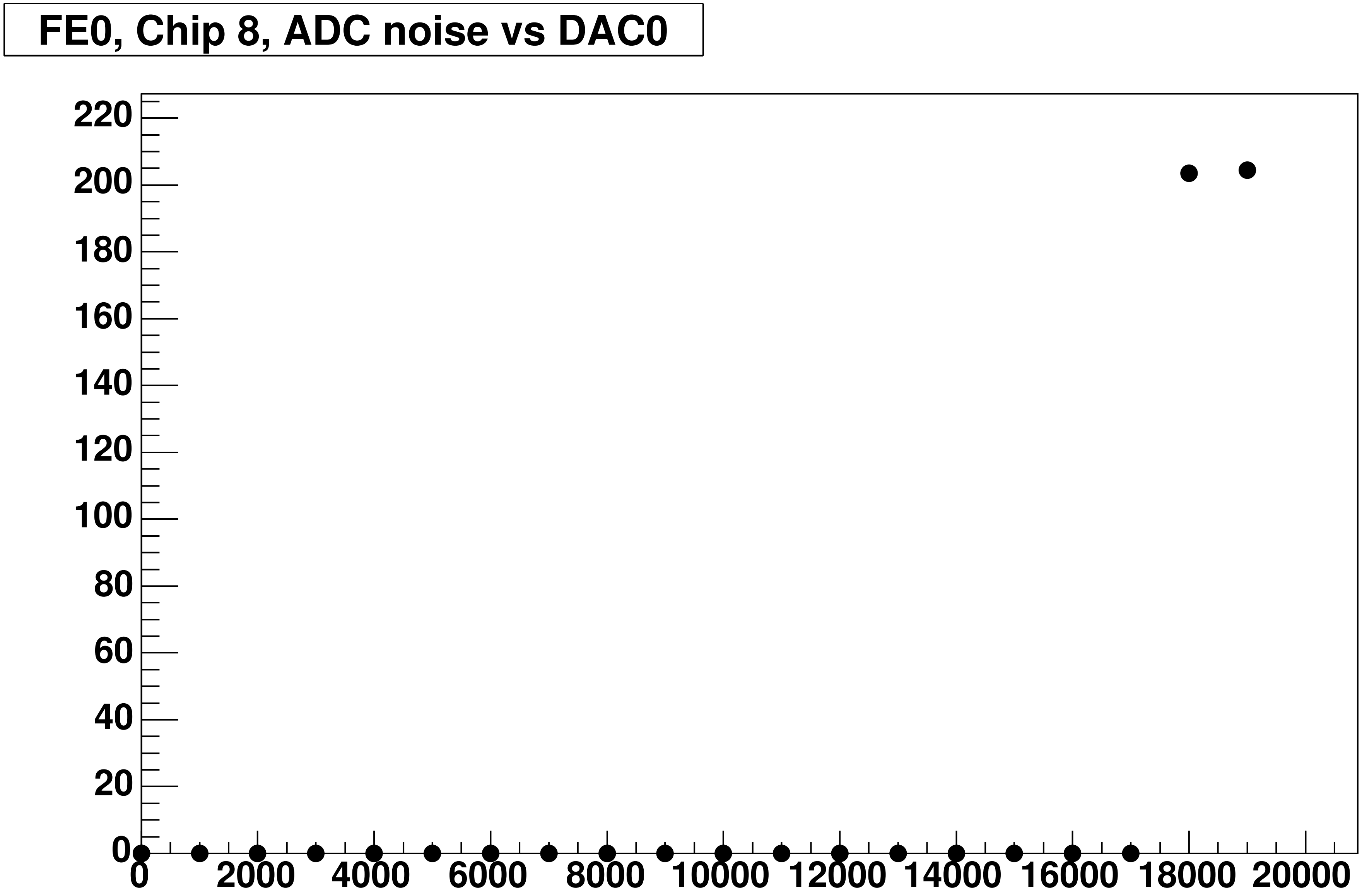


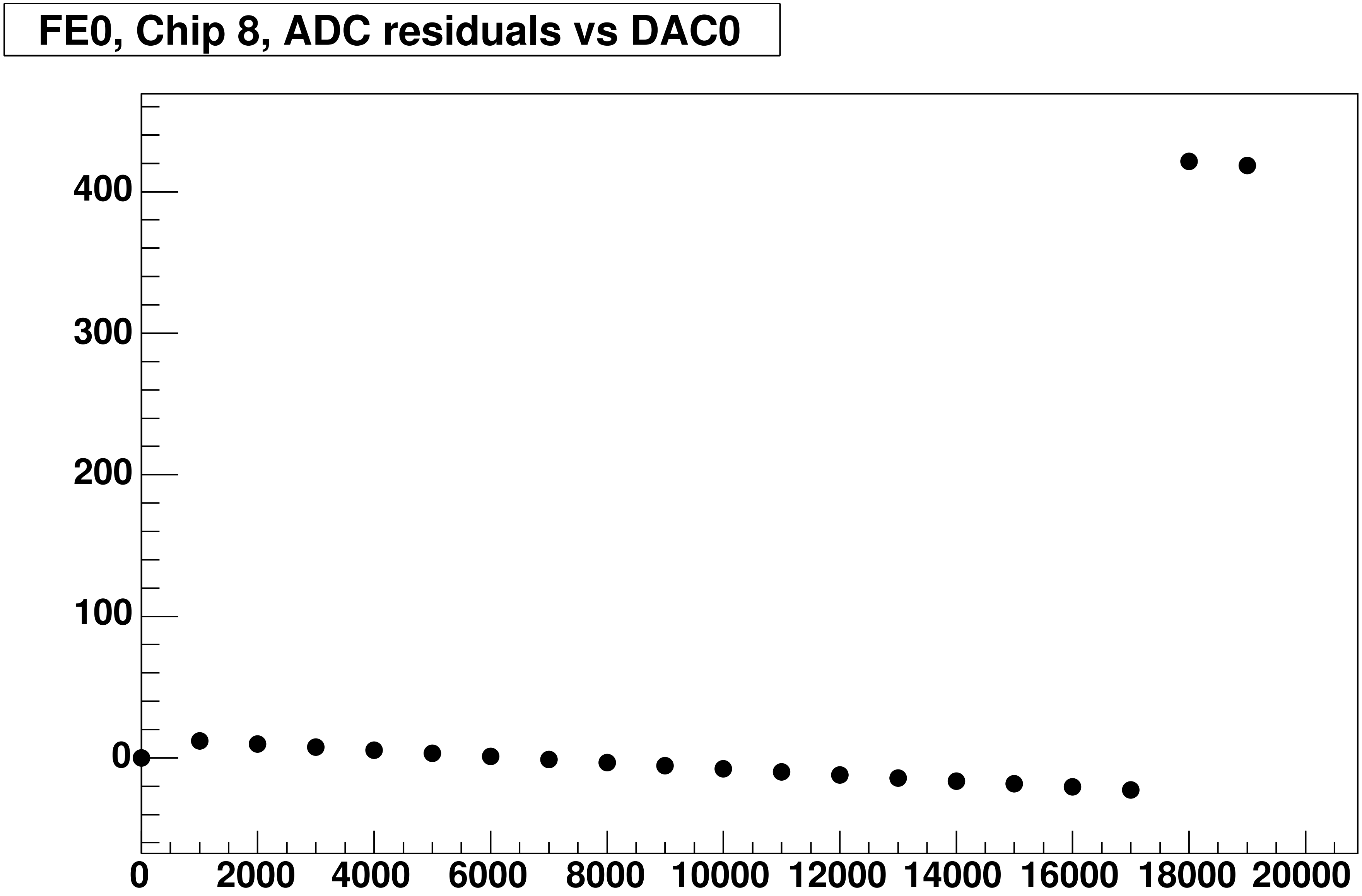
FE0, Chip 7, ADC mean vs DAC1
χ^2 / ndf 2.69e+08 / 17
p0 -3780 ± 0.3852
p1 0.6564 ± 2.091e-05
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

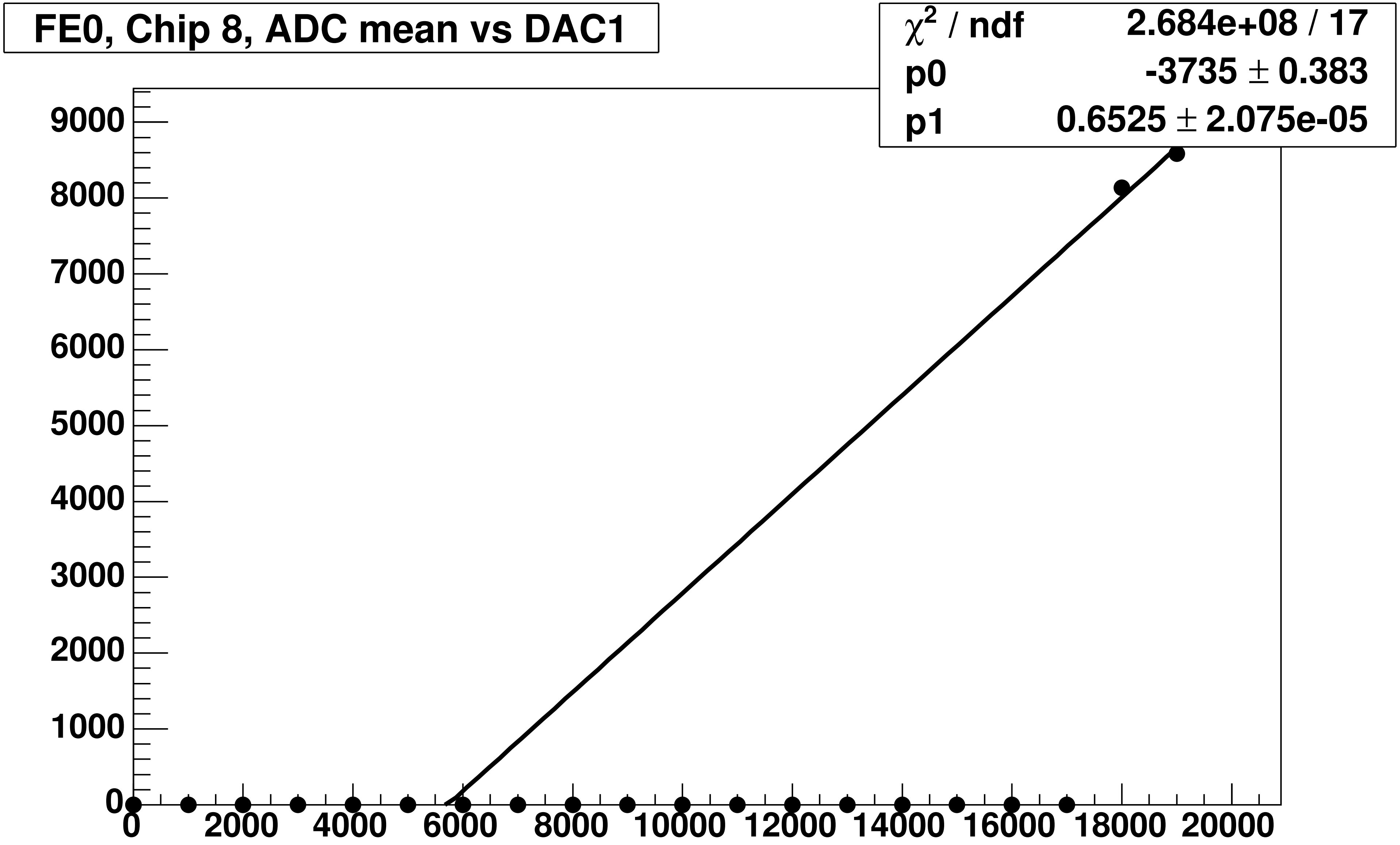

FE0, Chip 7, ADC noise vs DAC1
0
0.5
1
1.5
2
2.5
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

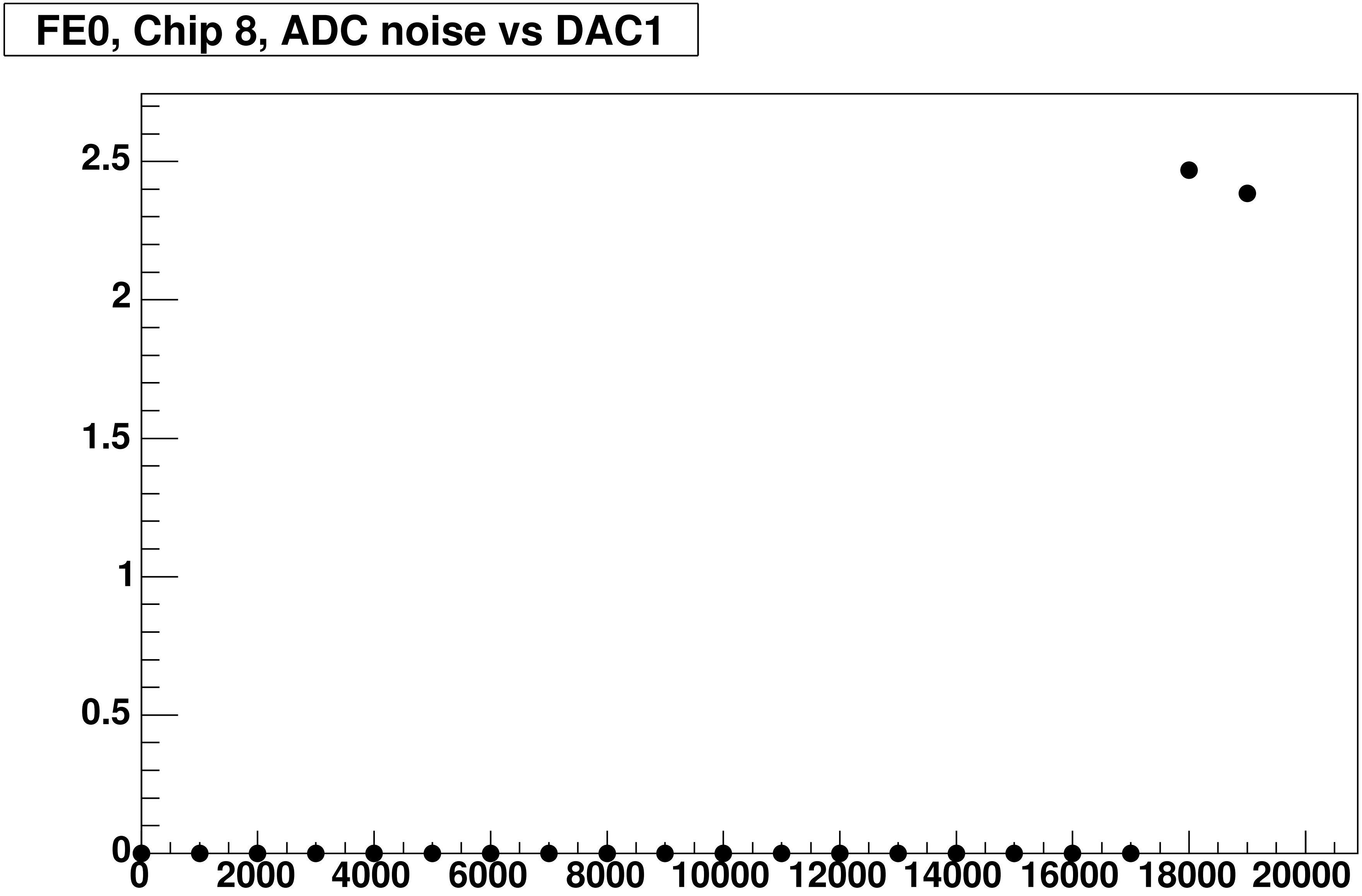

FE0, Chip 7, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 8, ADC mean vs DAC0
χ^2 / ndf 4.145e+04 / 17
p0 -14 ± 0.5026
p1 0.002163 ± 4.835e-05
0
50
100
150
200
250
300
350
400
450
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

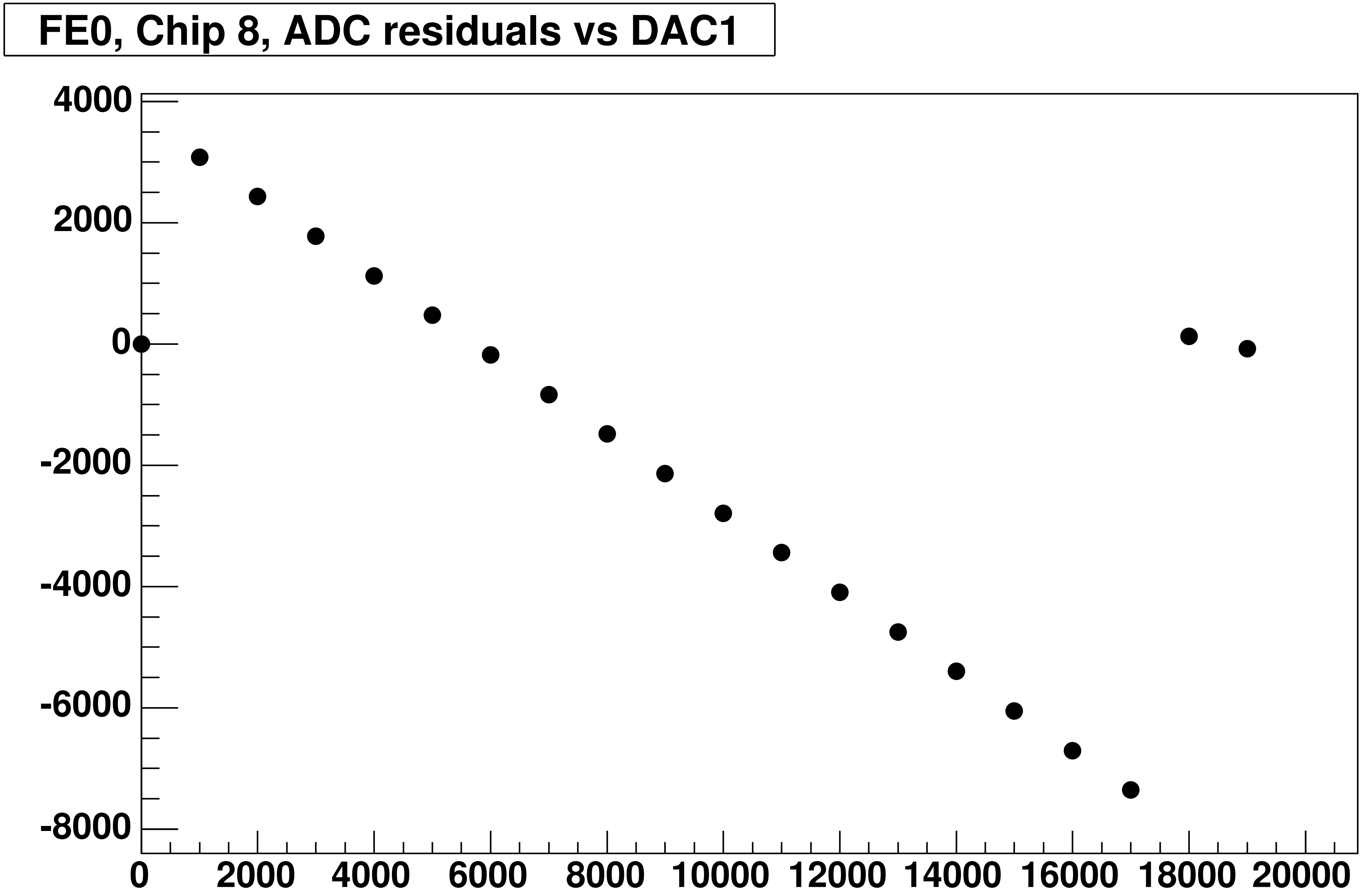

FE0, Chip 8, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
220
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 8, ADC residuals vs DAC0
400
300
200
100
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

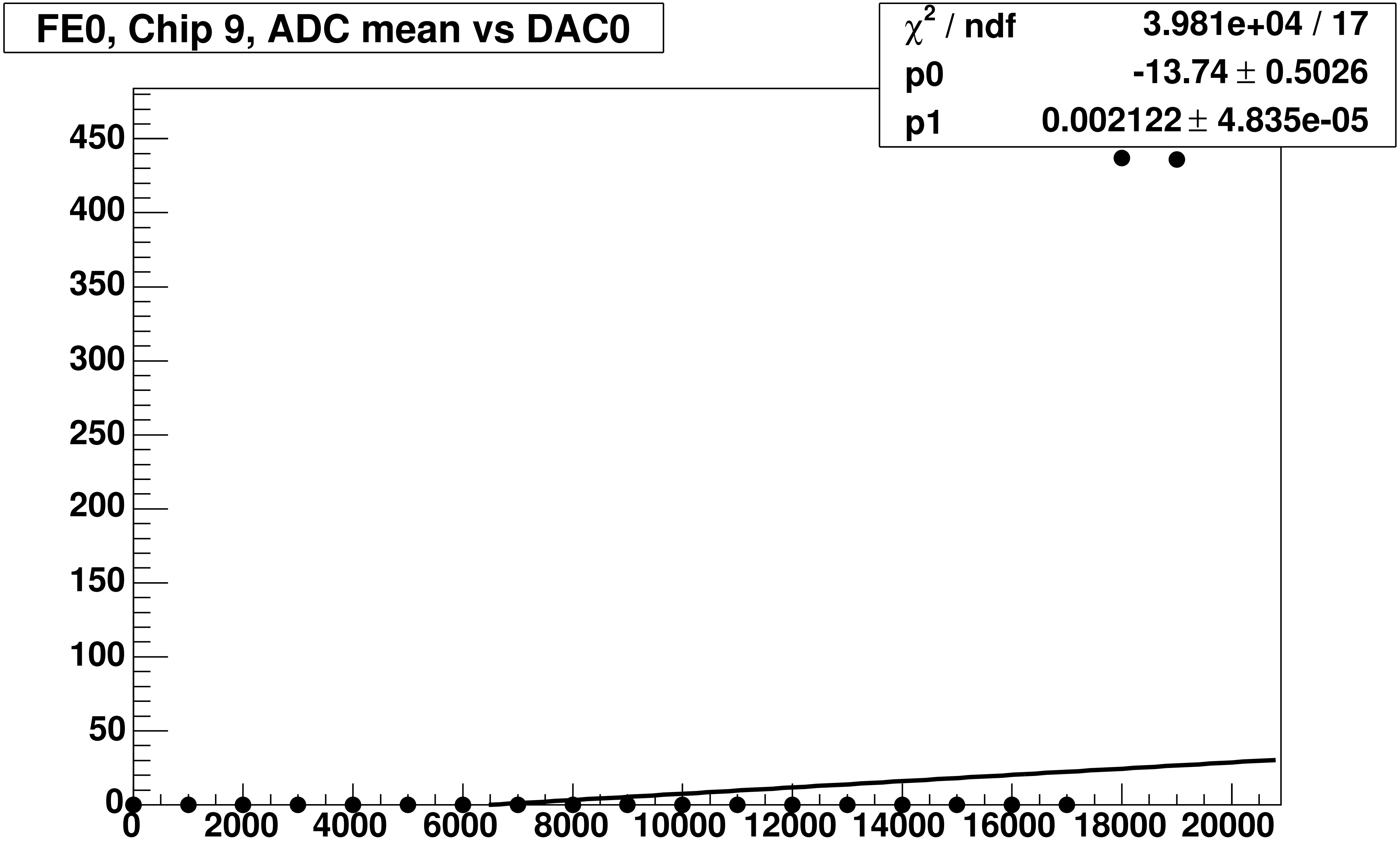

FE0, Chip 8, ADC mean vs DAC1
χ^2 / ndf 2.684e+08 / 17
p0 -3735 ± 0.383
p1 0.6525 ± 2.075e-05
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



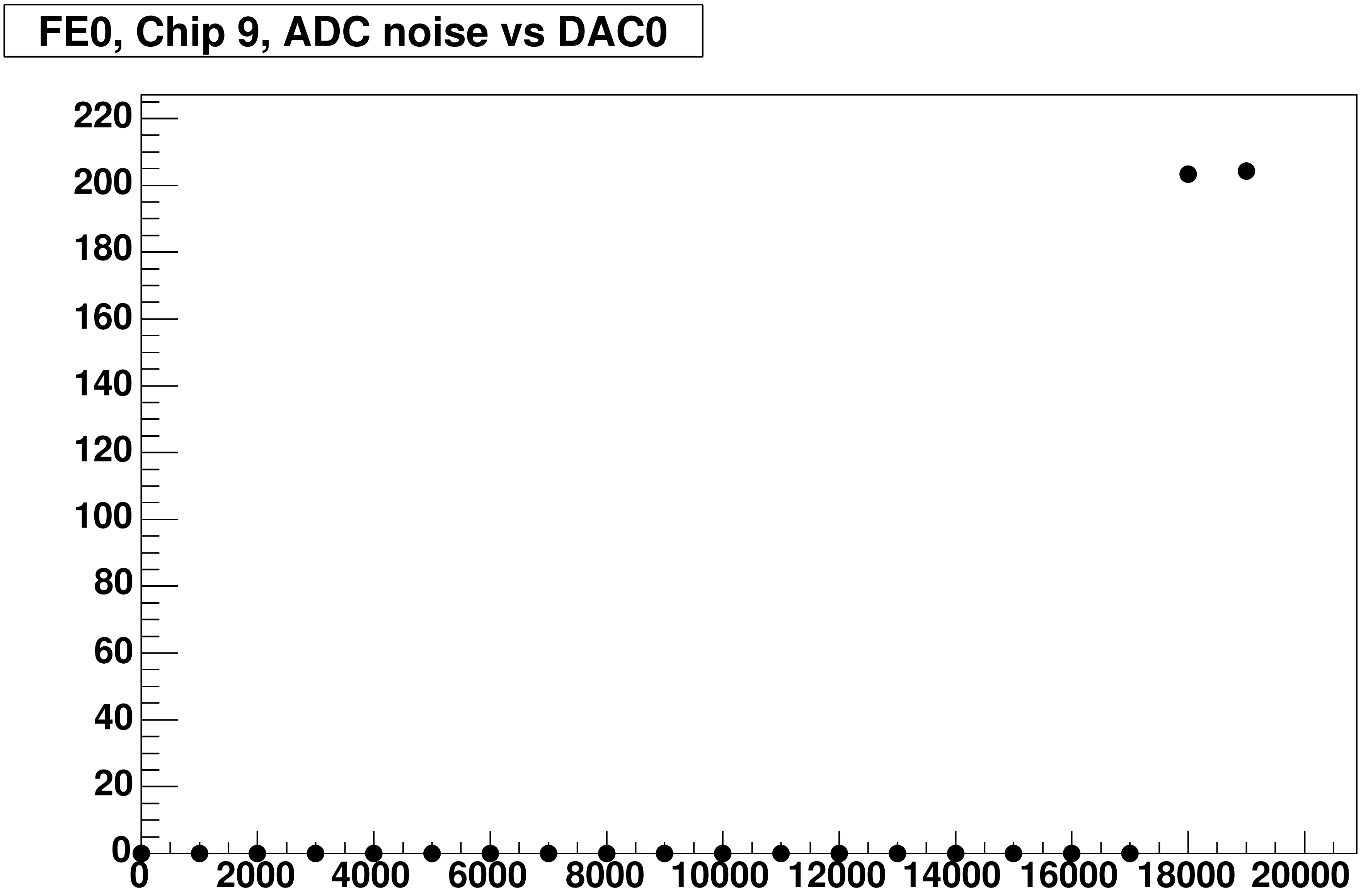
FE0, Chip 8, ADC noise vs DAC1
0
0.5
1
1.5
2
2.5
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



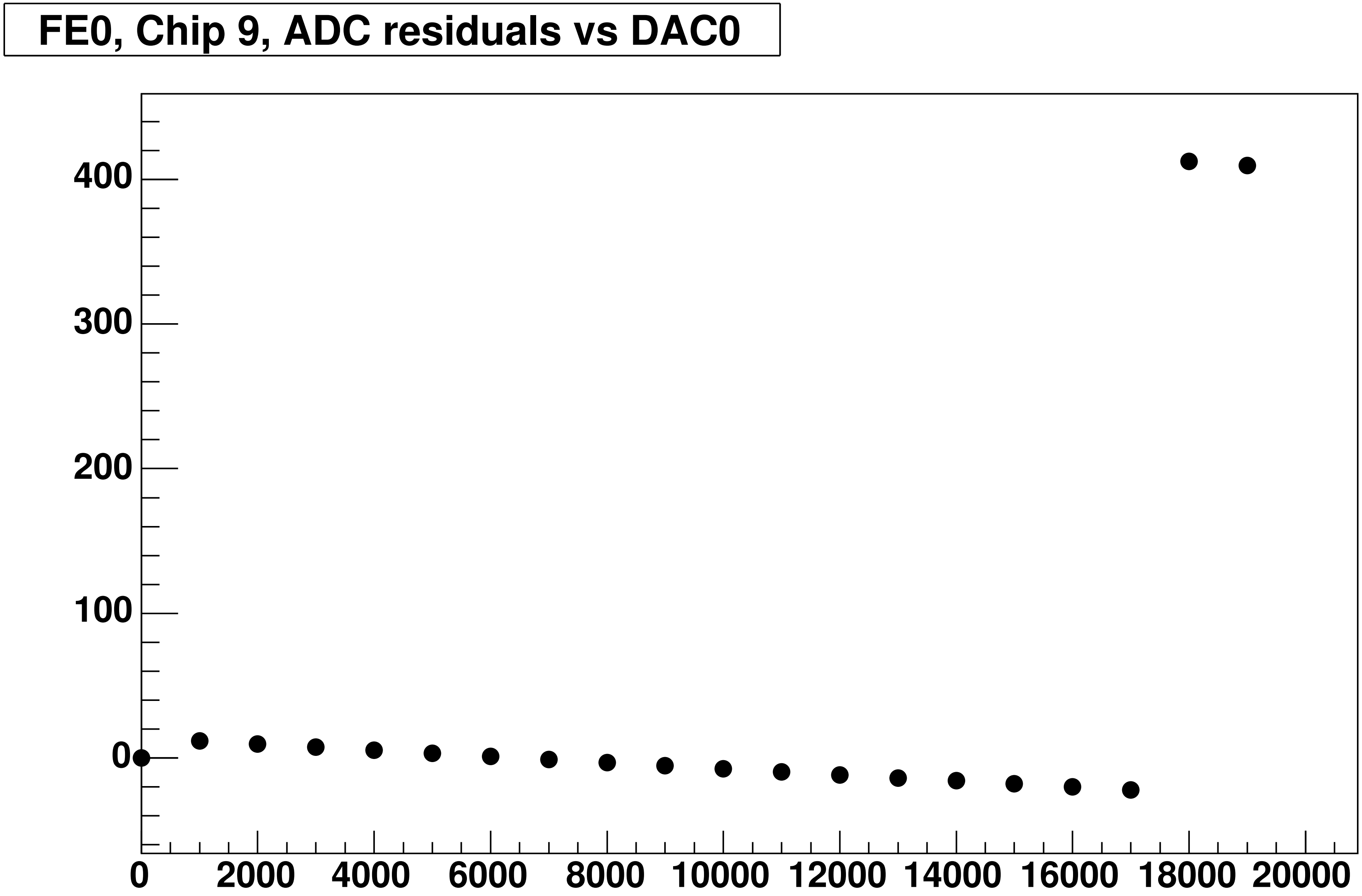
FE0, Chip 8, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

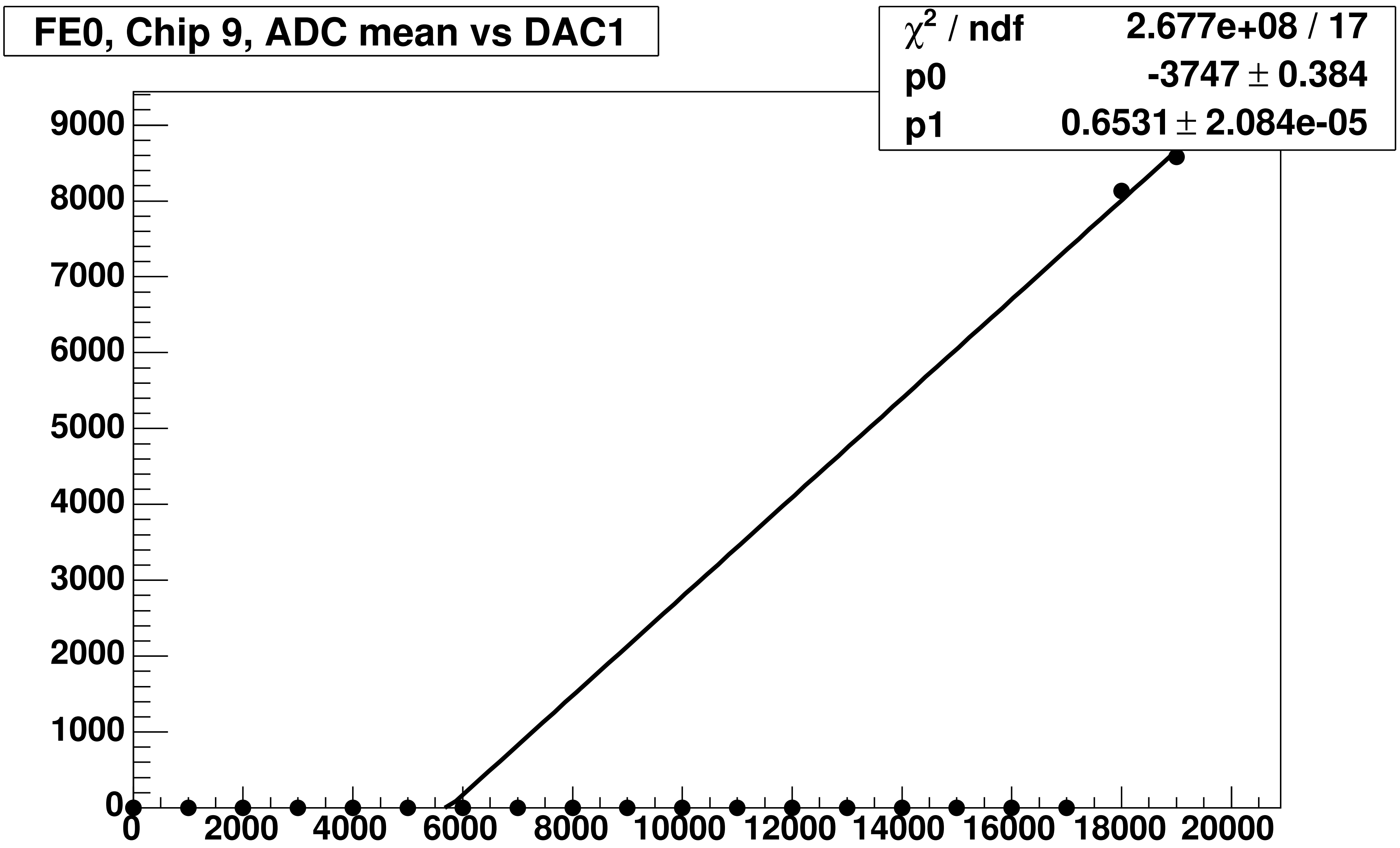


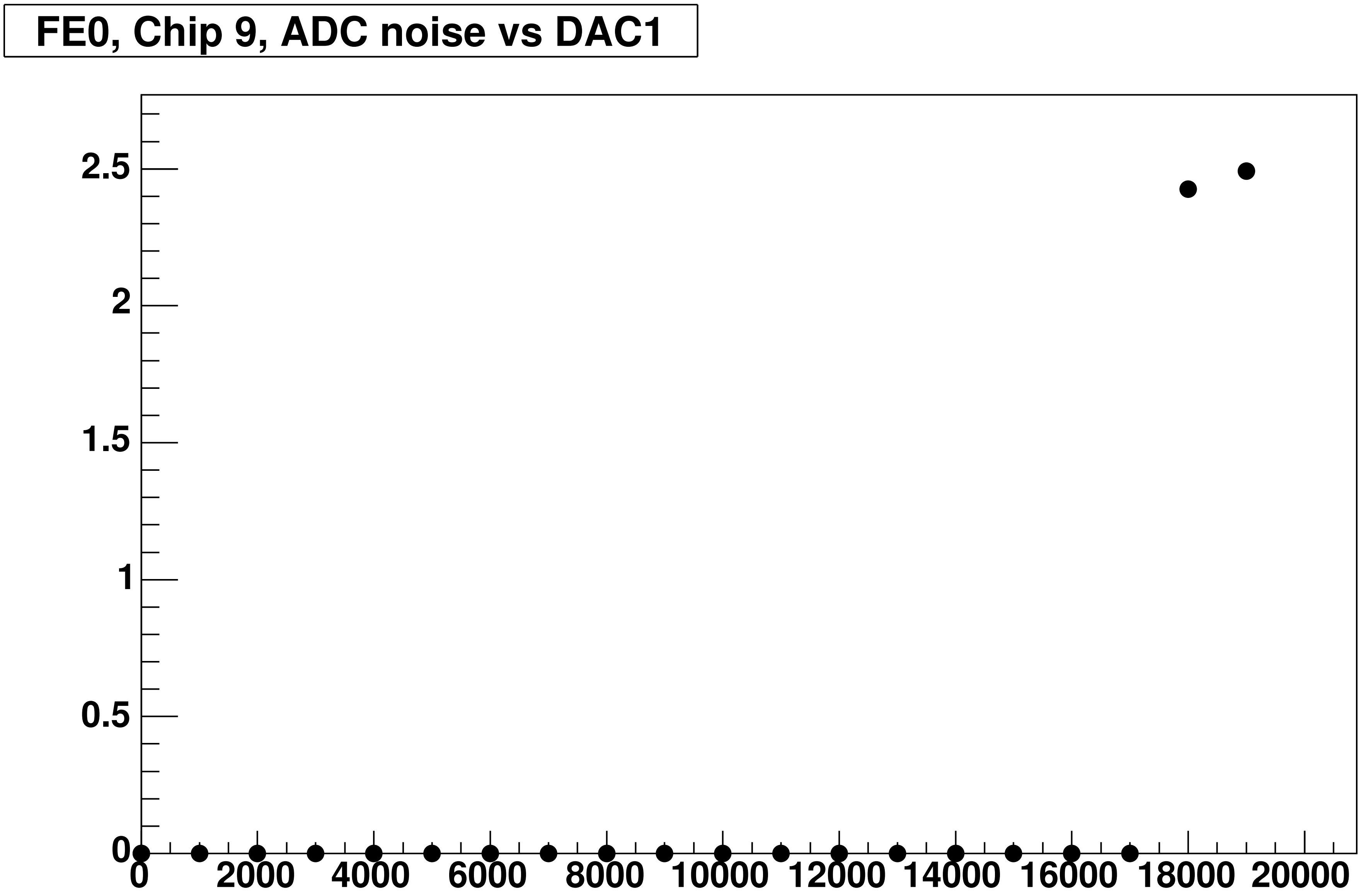
FE0, Chip 9, ADC mean vs DAC0
χ^2 / ndf 3.981e+04 / 17
p0 -13.74 ± 0.5026
p1 0.002122 ± 4.835e-05
0
50
100
150
200
250
300
350
400
450
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

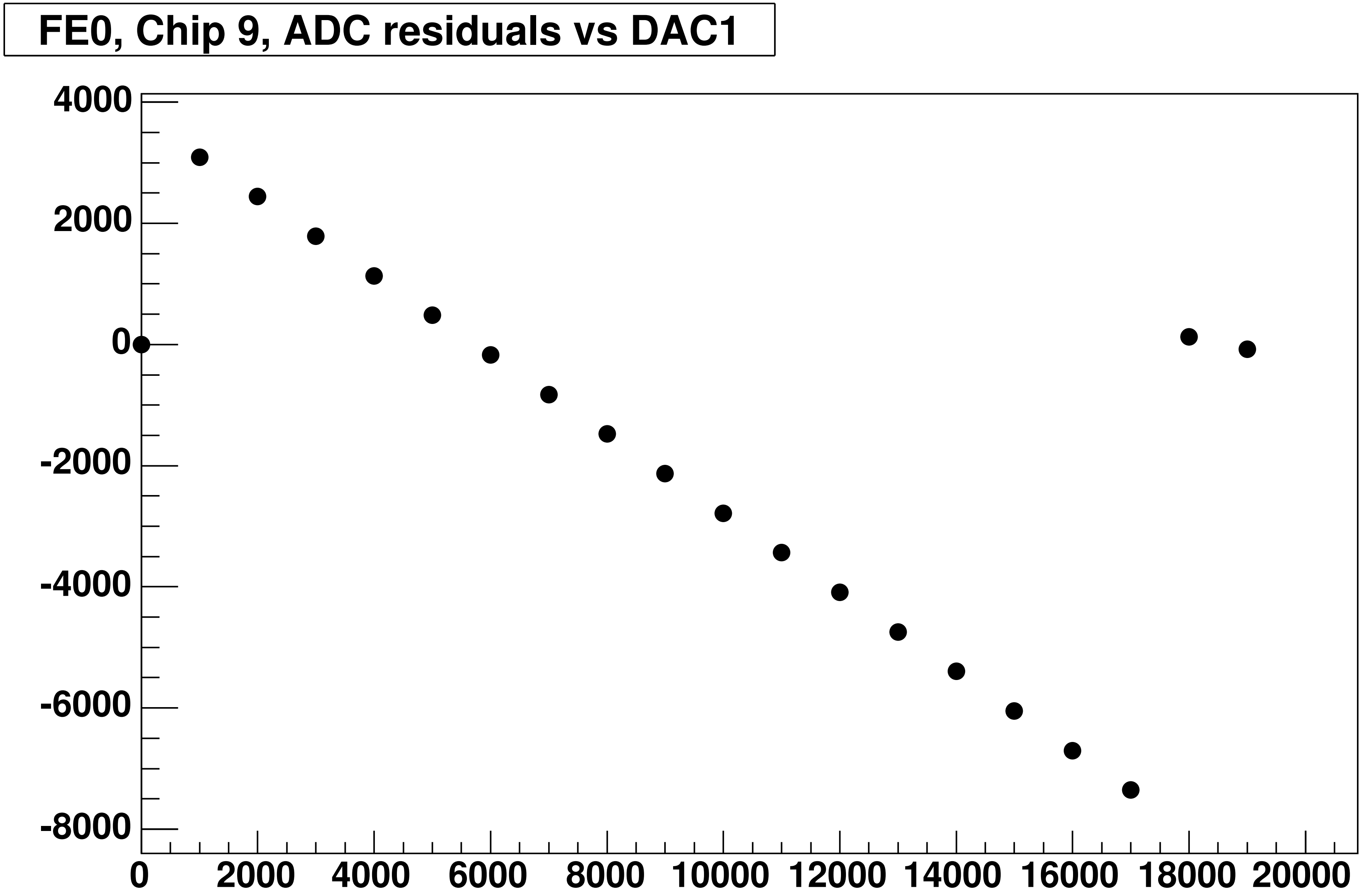


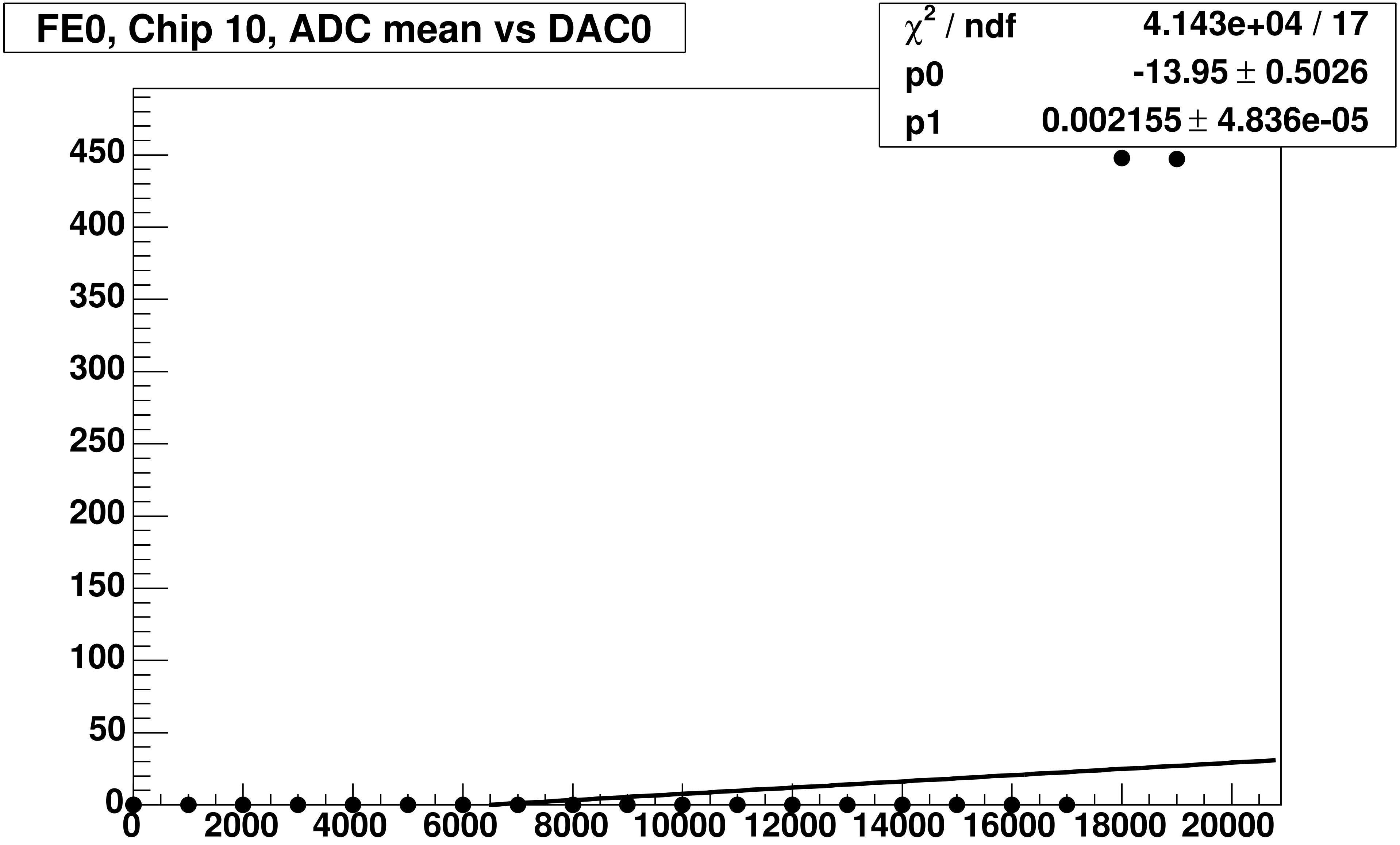
FE0, Chip 9, ADC noise vs DAC0
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 9, ADC residuals vs DAC0
400
300
200
100
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

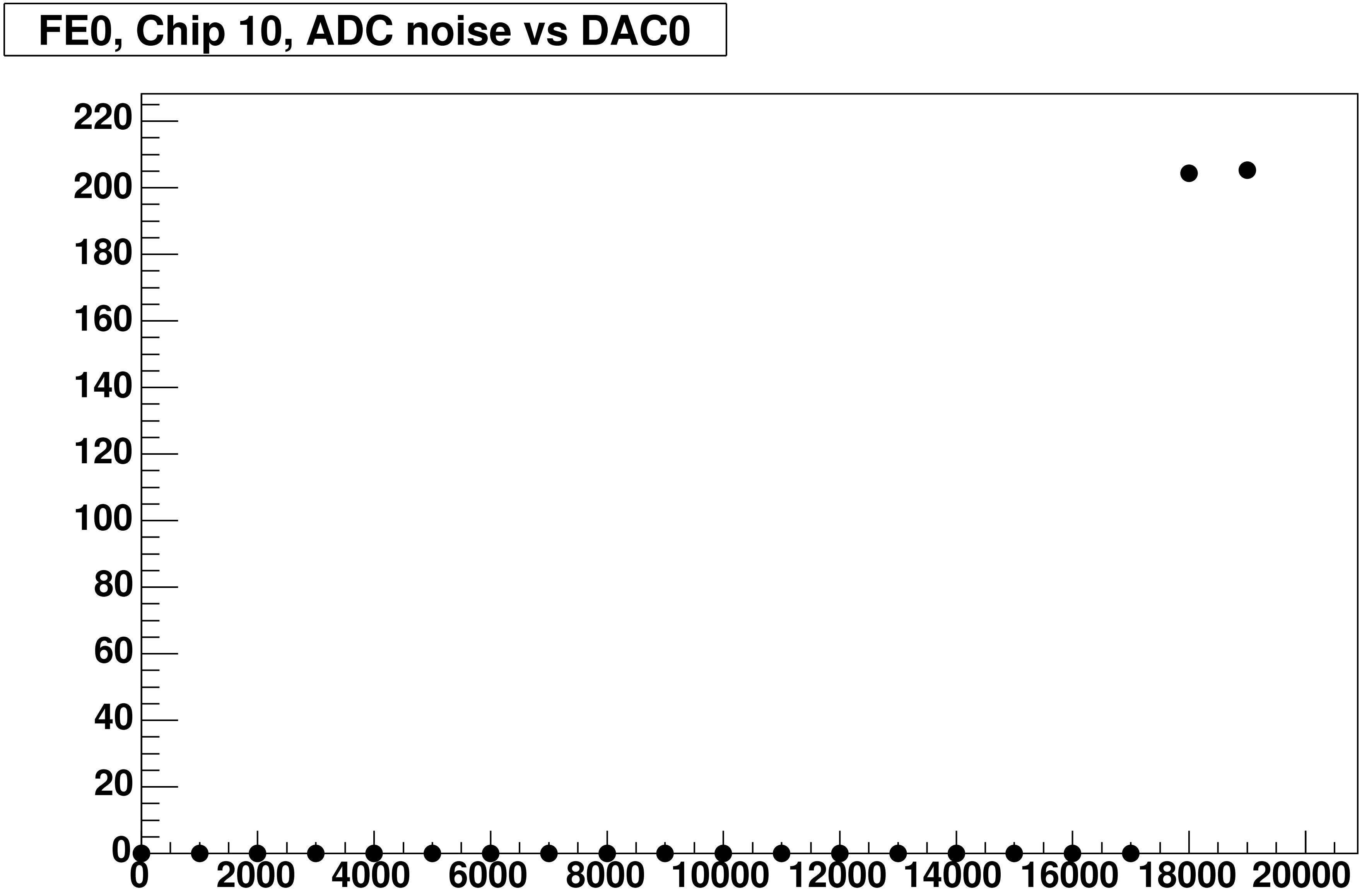

FE0, Chip 9, ADC mean vs DAC1
χ^2 / ndf 2.677e+08 / 17
p0 -3747 ± 0.384
p1 0.6531 ± 2.084e-05
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE0, Chip 9, ADC noise vs DAC1
0
0.5
1
1.5
2
2.5
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

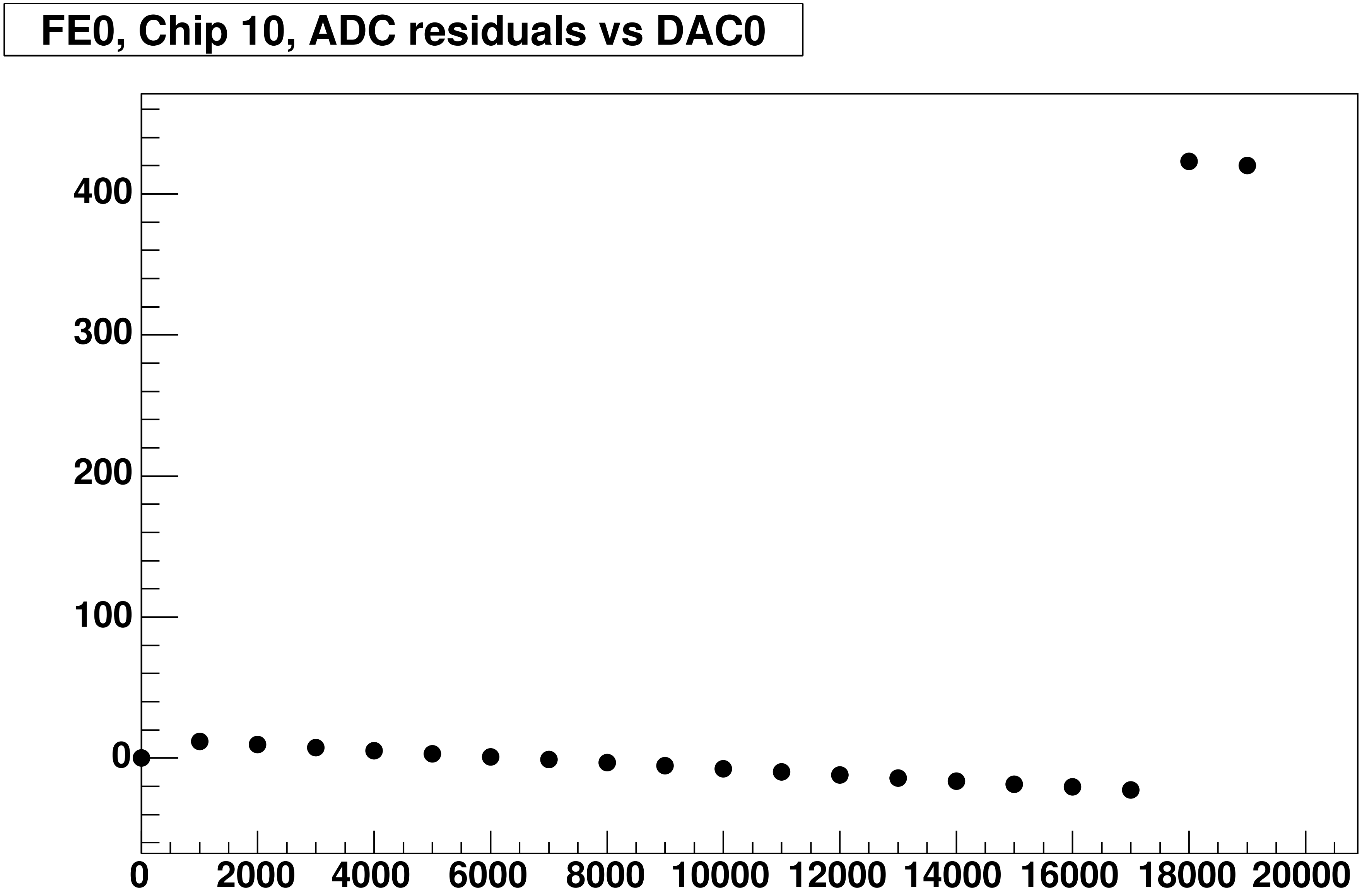

FE0, Chip 9, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

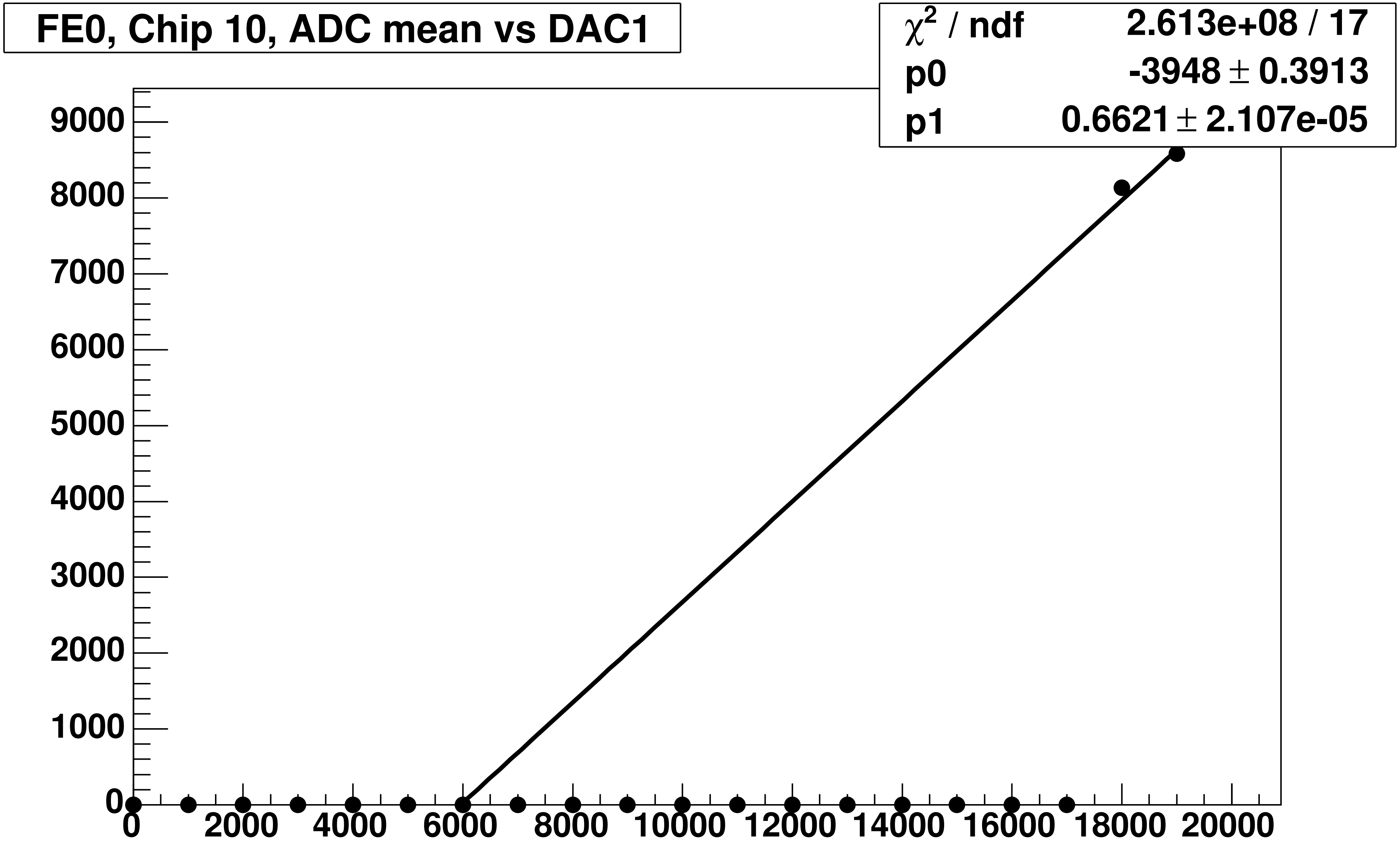


FE0, Chip 10, ADC mean vs DAC0
χ^2 / ndf 4.143e+04 / 17
p0 -13.95 ± 0.5026
p1 0.002155 ± 4.836e-05
450
400
350
300
250
200
150
100
50
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

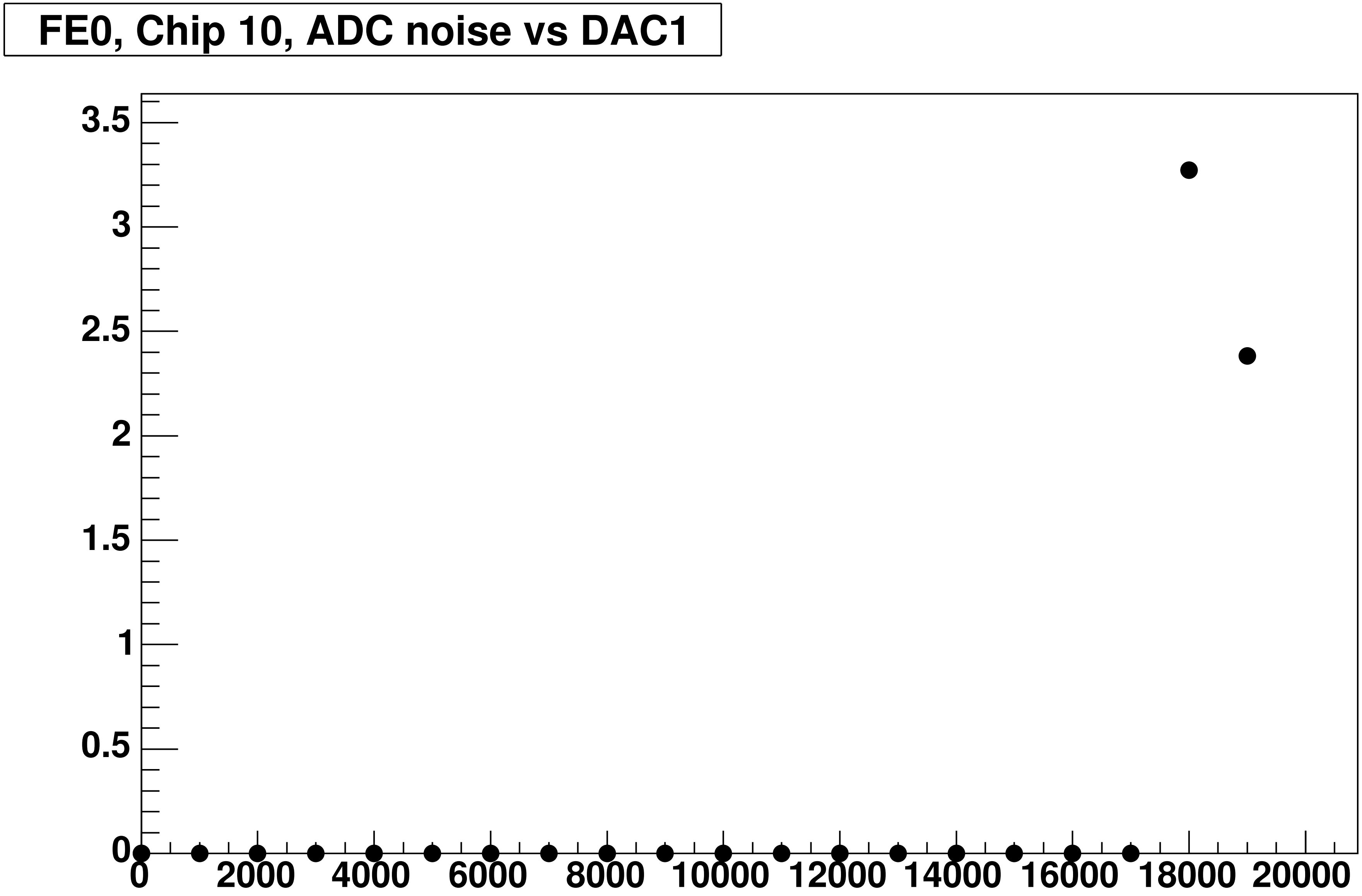


FE0, Chip 10, ADC noise vs DAC0
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

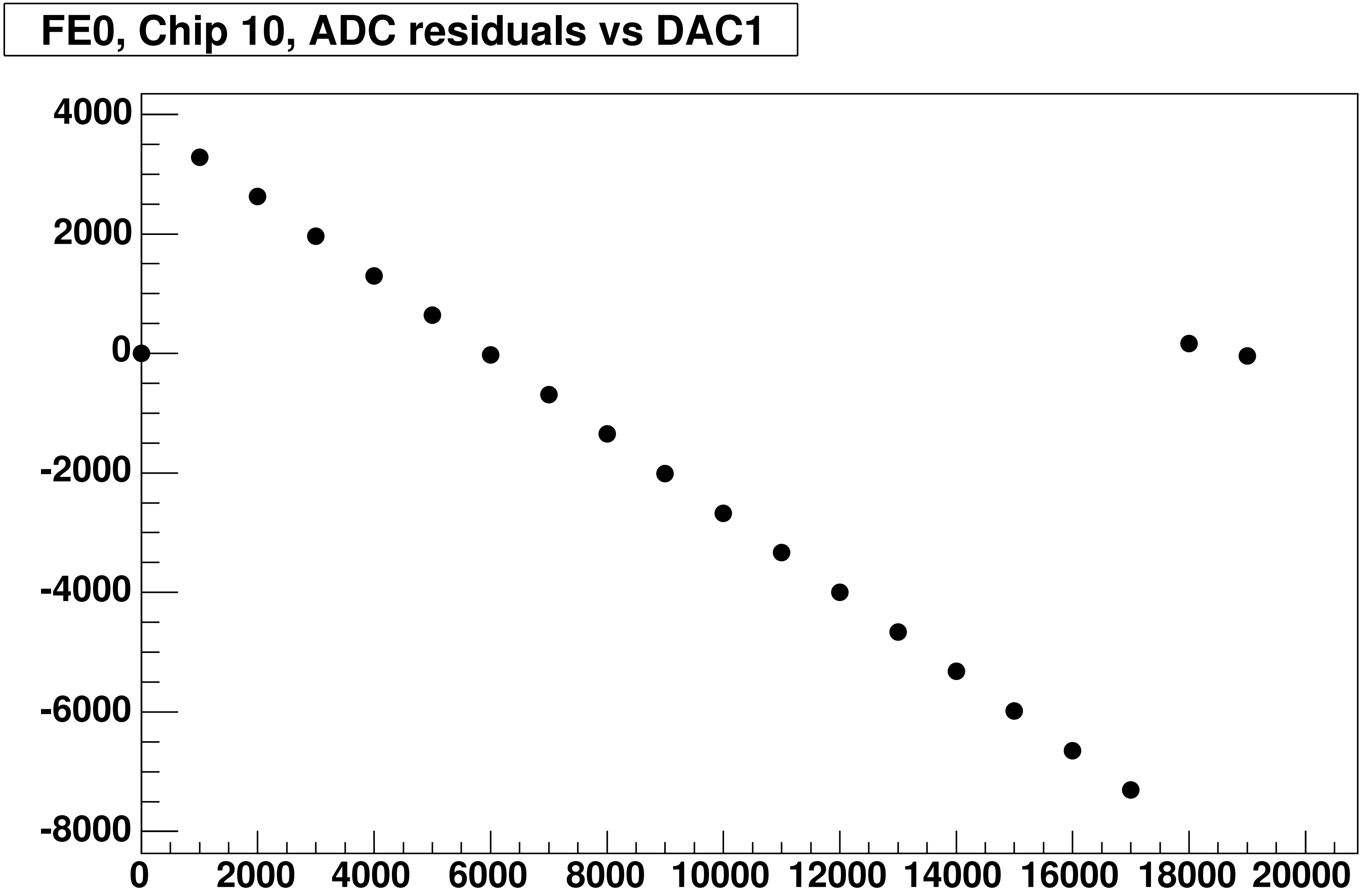

FE0, Chip 10, ADC residuals vs DAC0
400
300
200
100
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

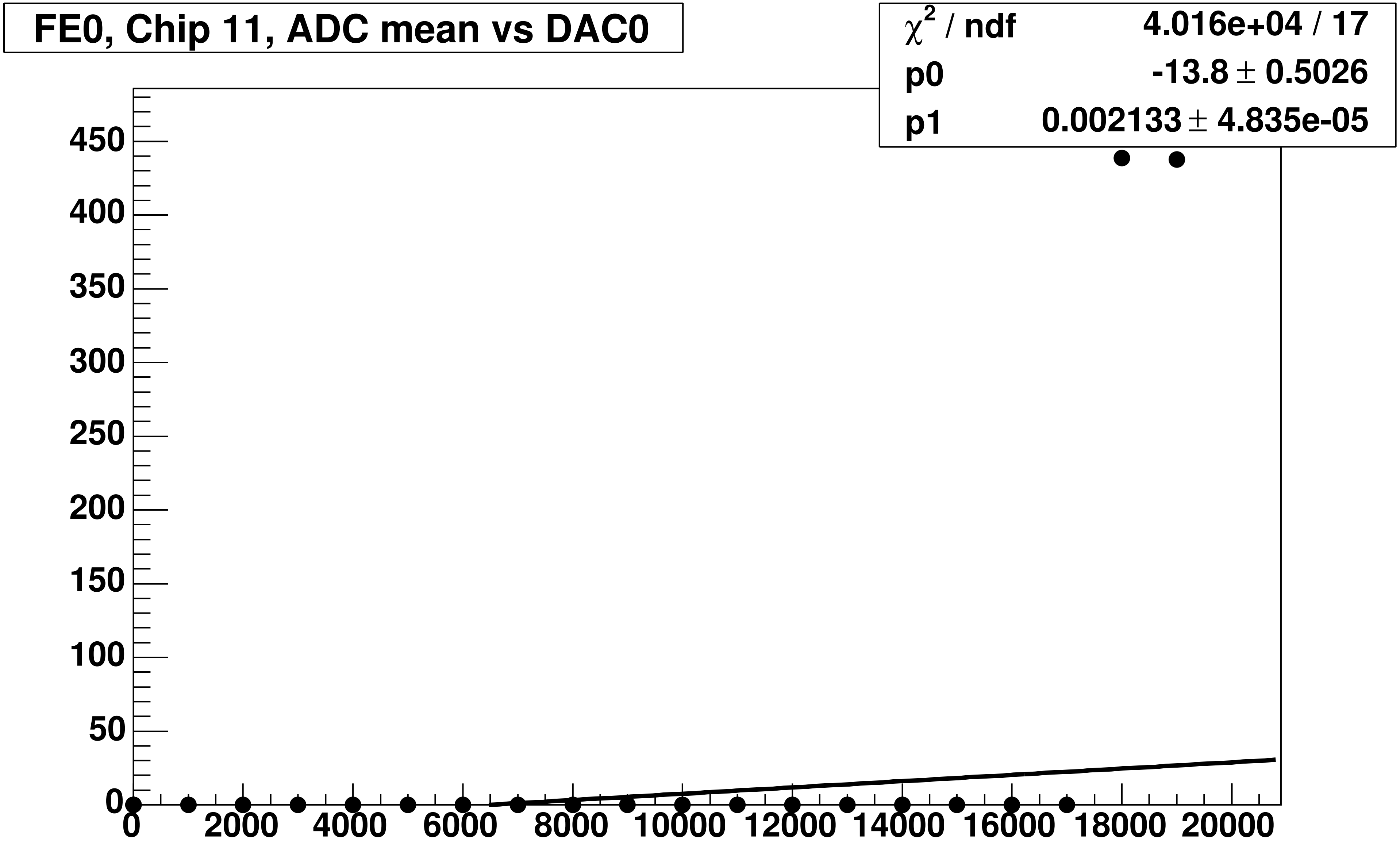


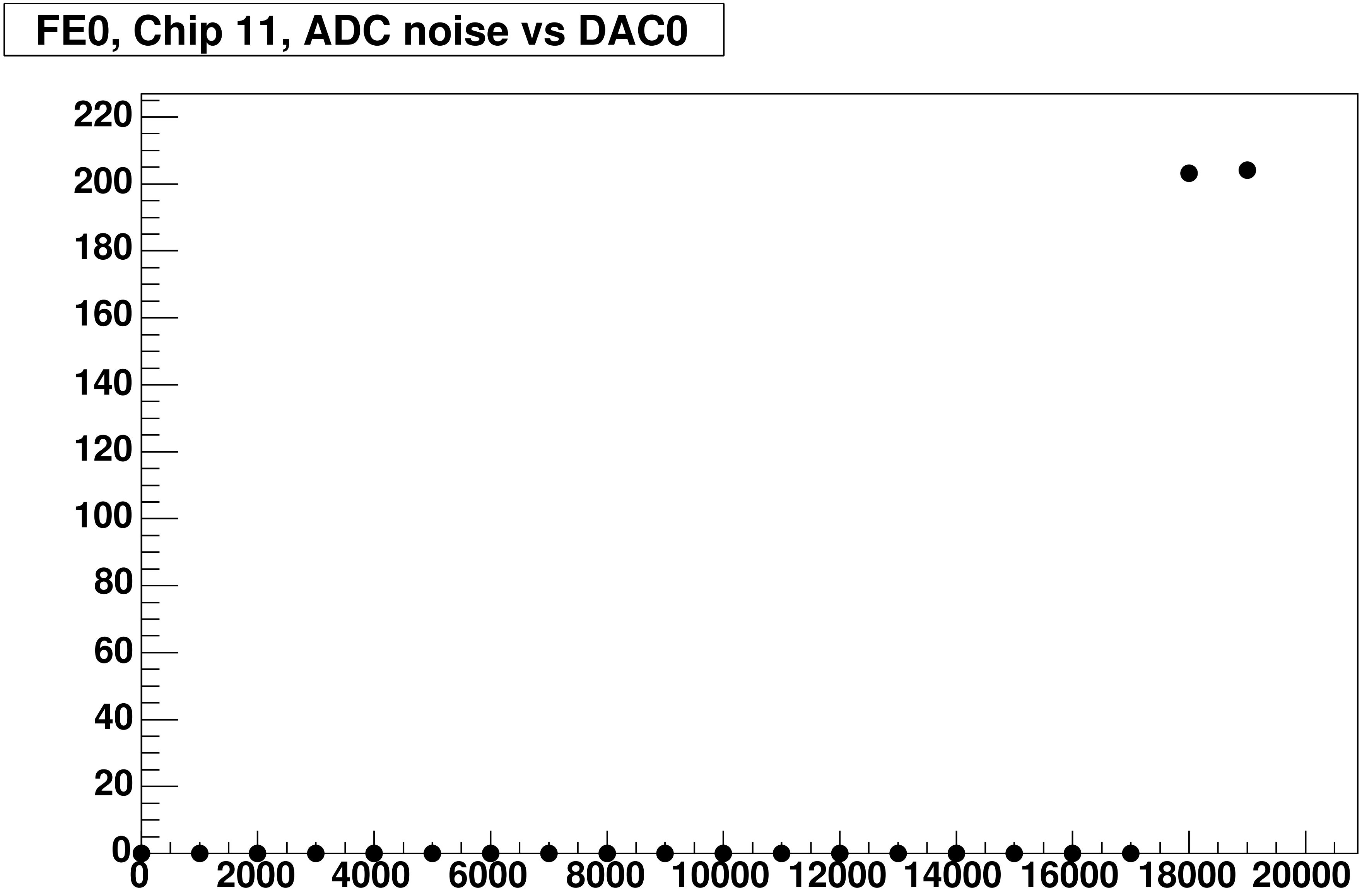
FE0, Chip 10, ADC mean vs DAC1
χ^2 / ndf 2.613e+08 / 17
p0 -3948 ± 0.3913
p1 0.6621 ± 2.107e-05
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

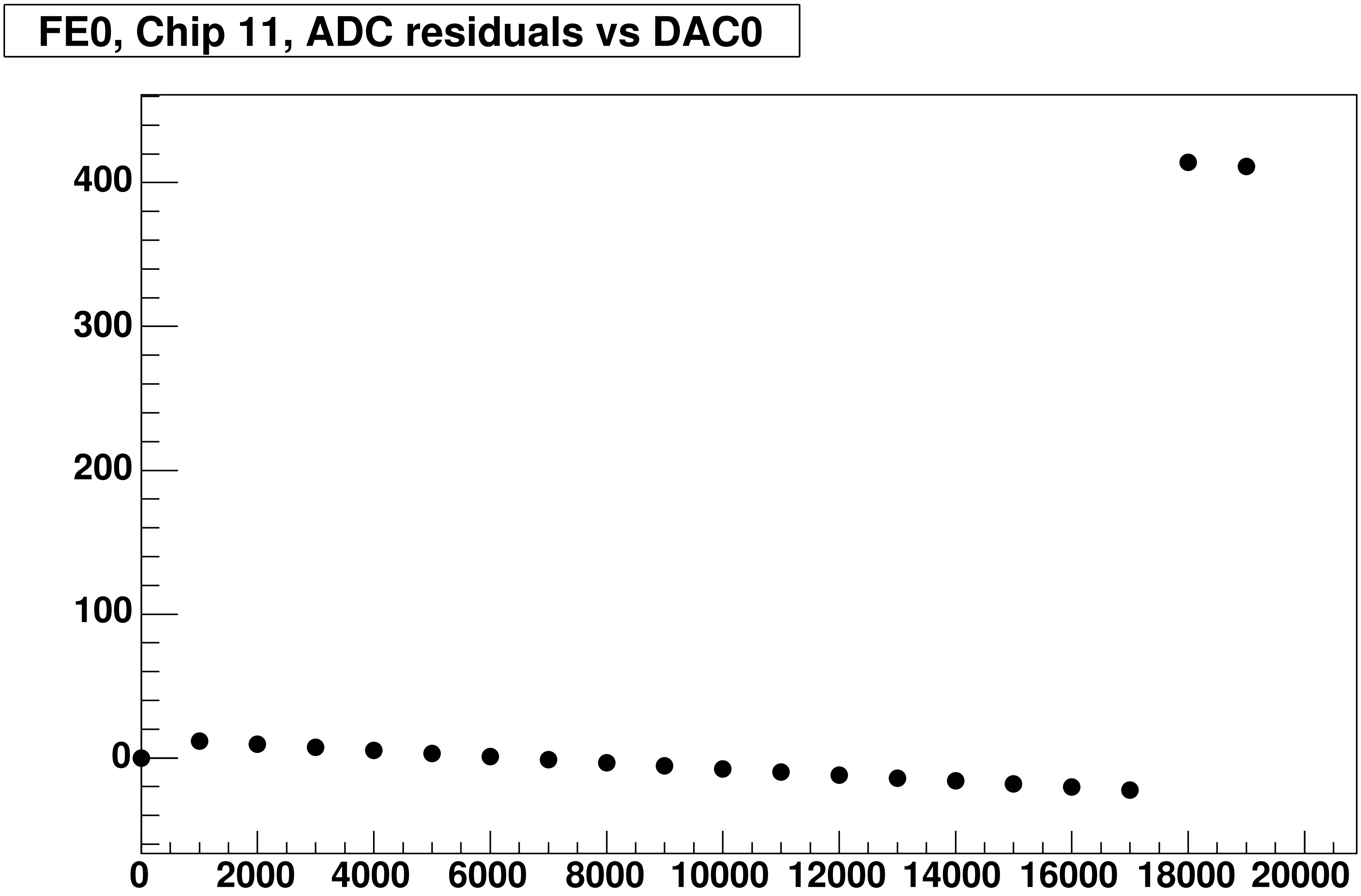


FE0, Chip 10, ADC noise vs DAC1
3.5
3
2.5
2
1.5
1
0.5
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

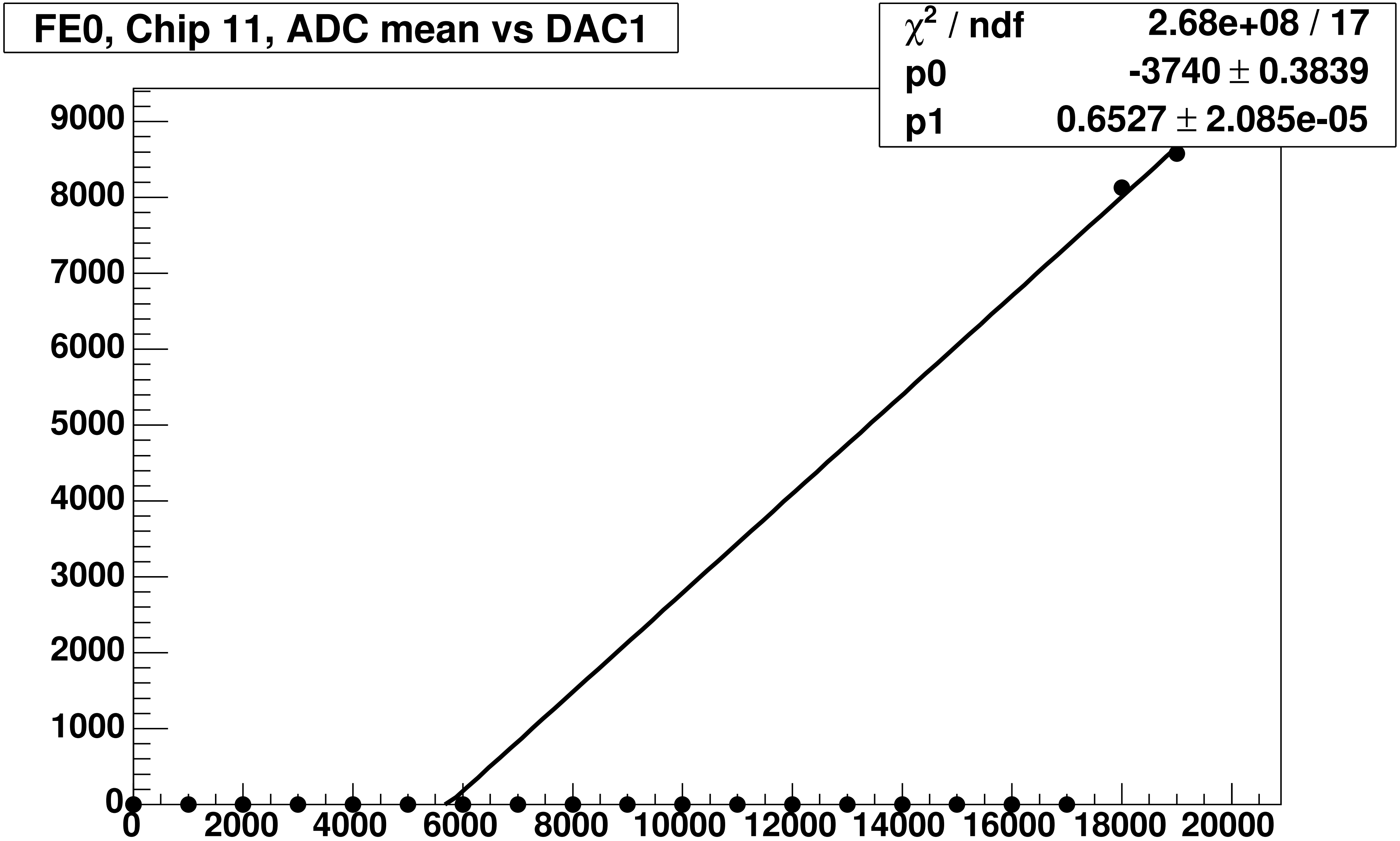

FE0, Chip 10, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

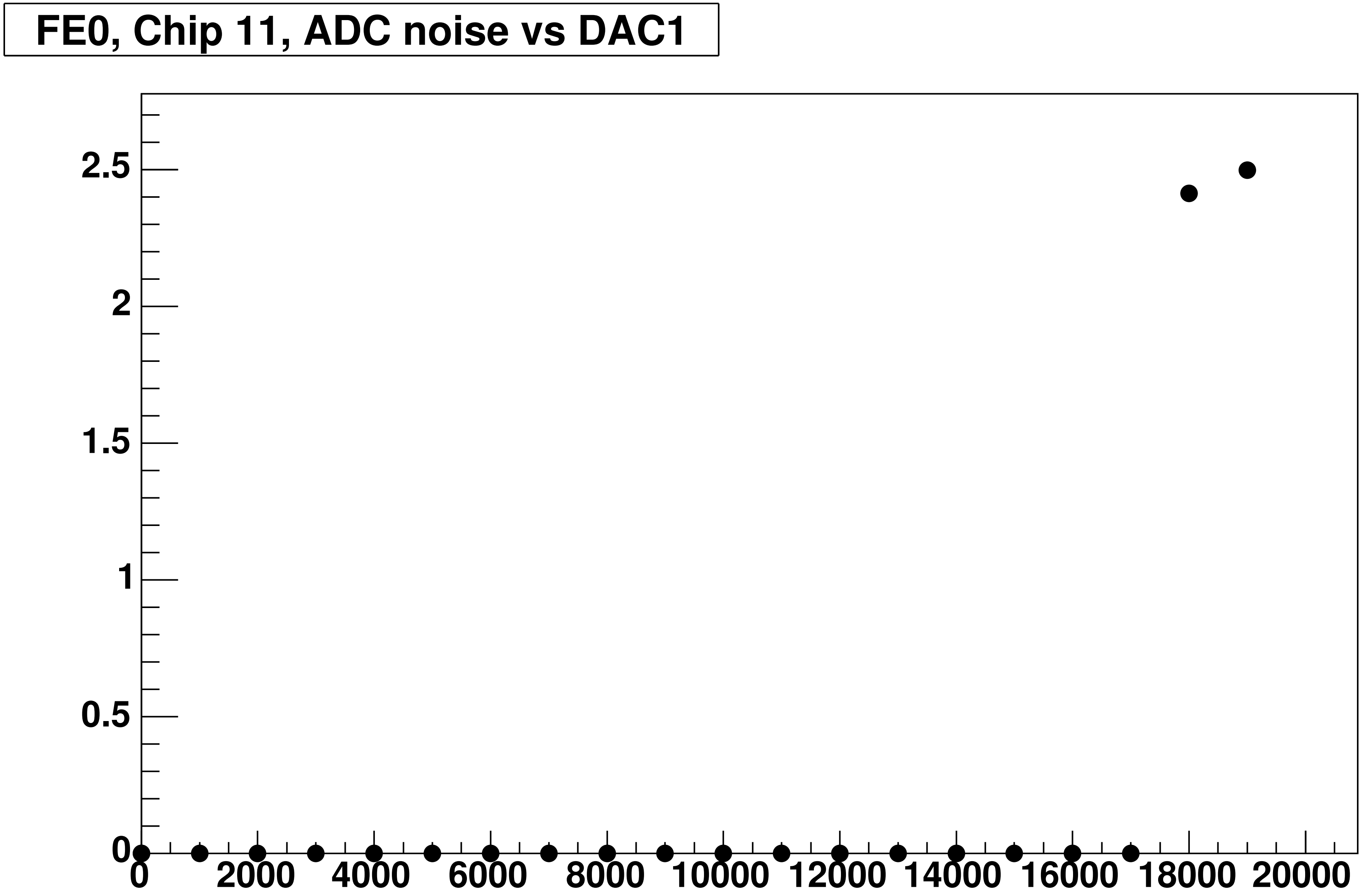

FE0, Chip 11, ADC mean vs DAC0
χ^2 / ndf 4.016e+04 / 17
p0 -13.8 ± 0.5026
p1 0.002133 ± 4.835e-05
0
50
100
150
200
250
300
350
400
450
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

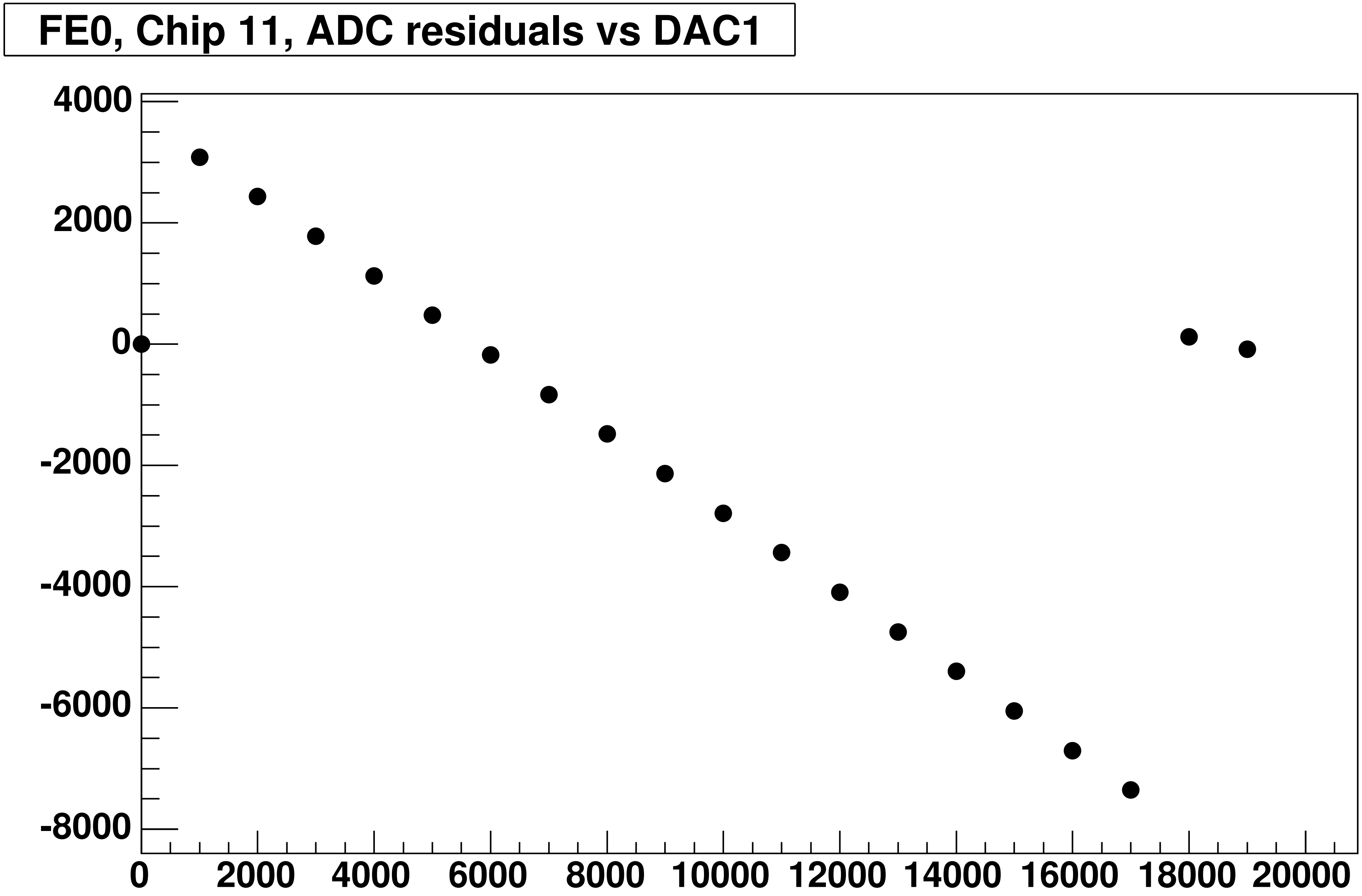

FE0, Chip 11, ADC noise vs DAC0
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



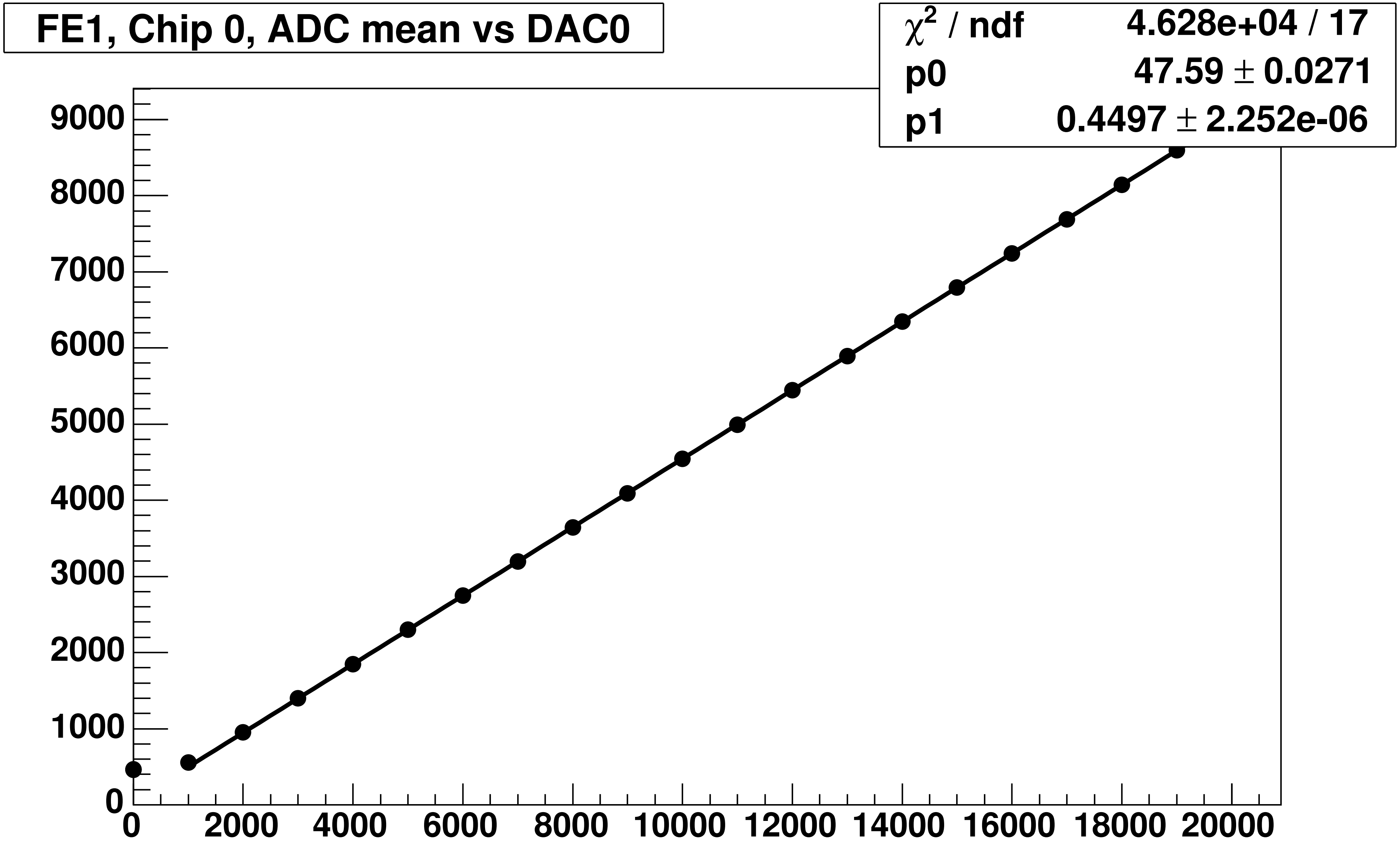
FE0, Chip 11, ADC residuals vs DAC0
400
300
200
100
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

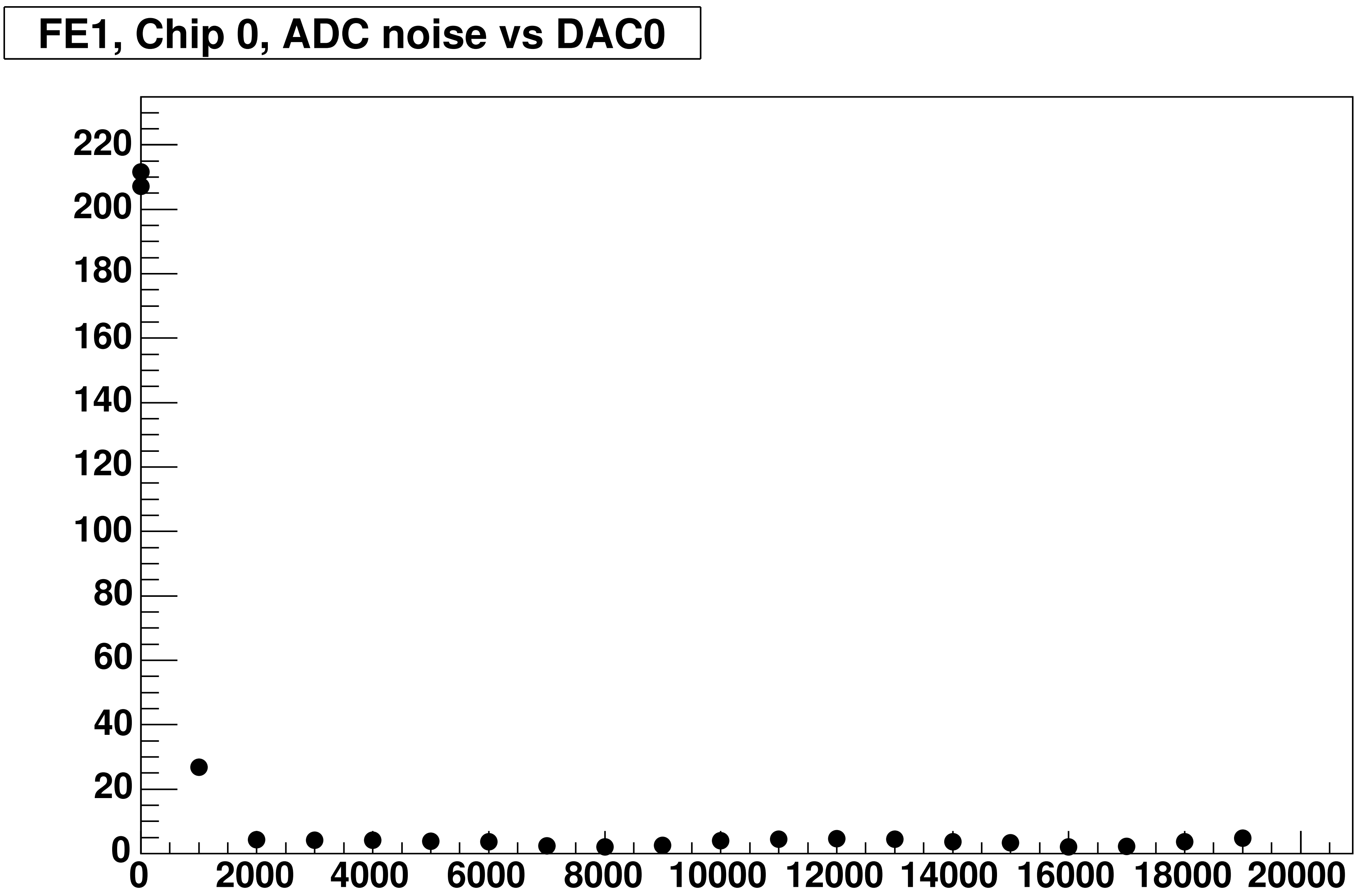

FE0, Chip 11, ADC mean vs DAC1
χ^2 / ndf 2.68e+08 / 17
p0 -3740 ± 0.3839
p1 0.6527 ± 2.085e-05
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

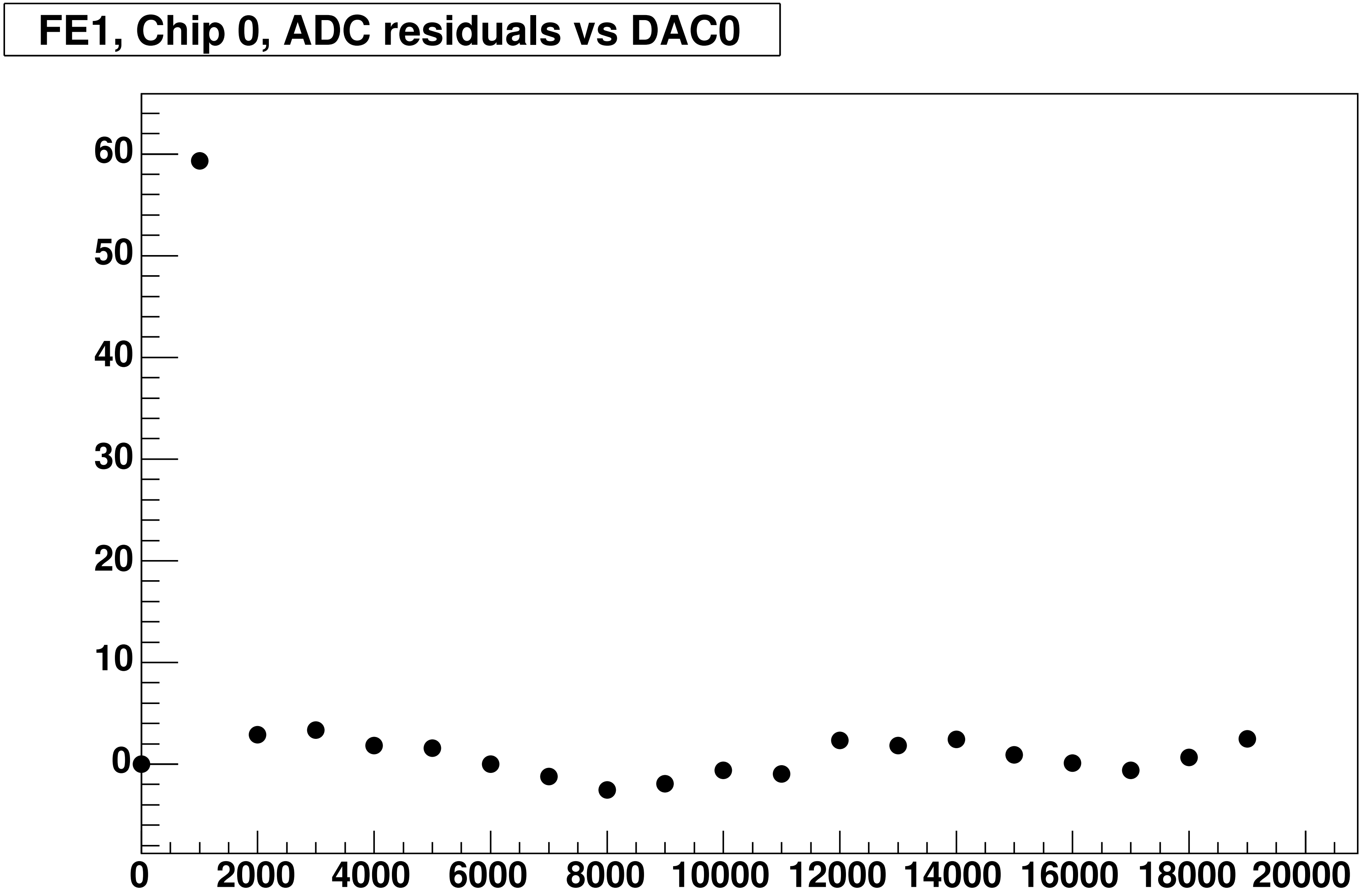

FE0, Chip 11, ADC noise vs DAC1
0
0.5
1
1.5
2
2.5
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

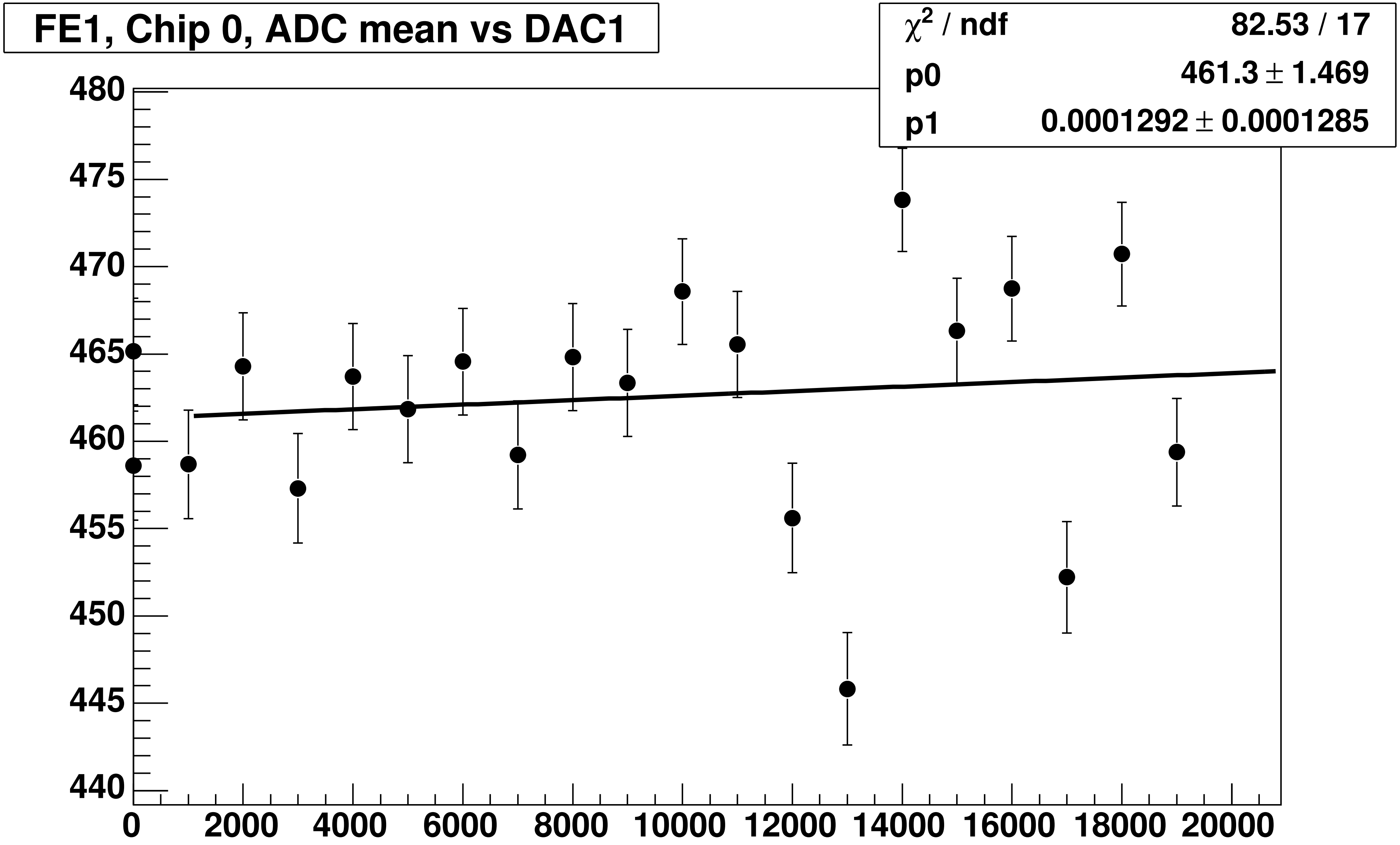


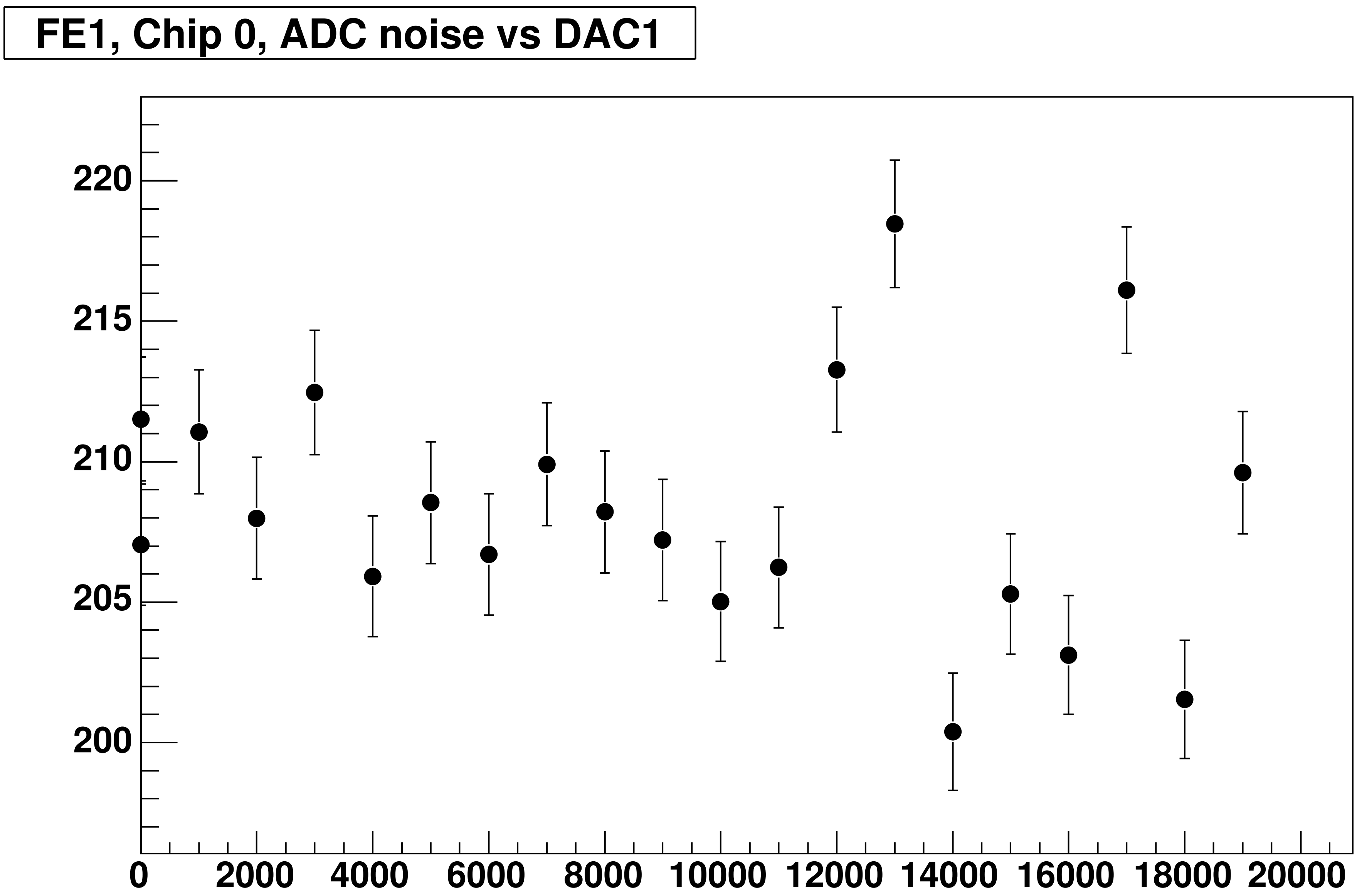
FE0, Chip 11, ADC residuals vs DAC1
4000
2000
0
-2000
-4000
-6000
-8000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

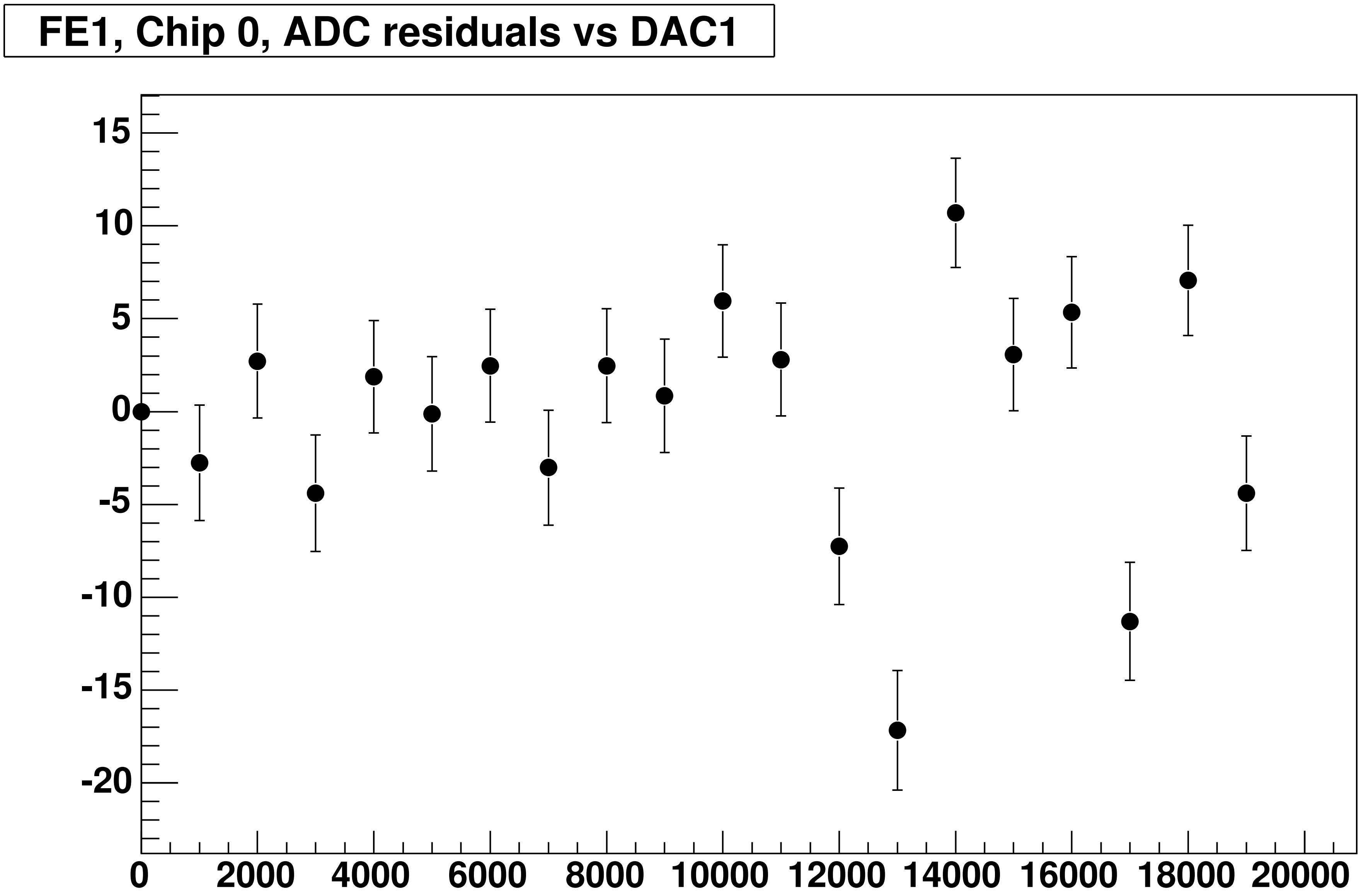

FE1, Chip 0, ADC mean vs DAC0
χ^2 / ndf 4.628e+04 / 17
p0 47.59 ± 0.0271
p1 0.4497 ± 2.252e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 0, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
220
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

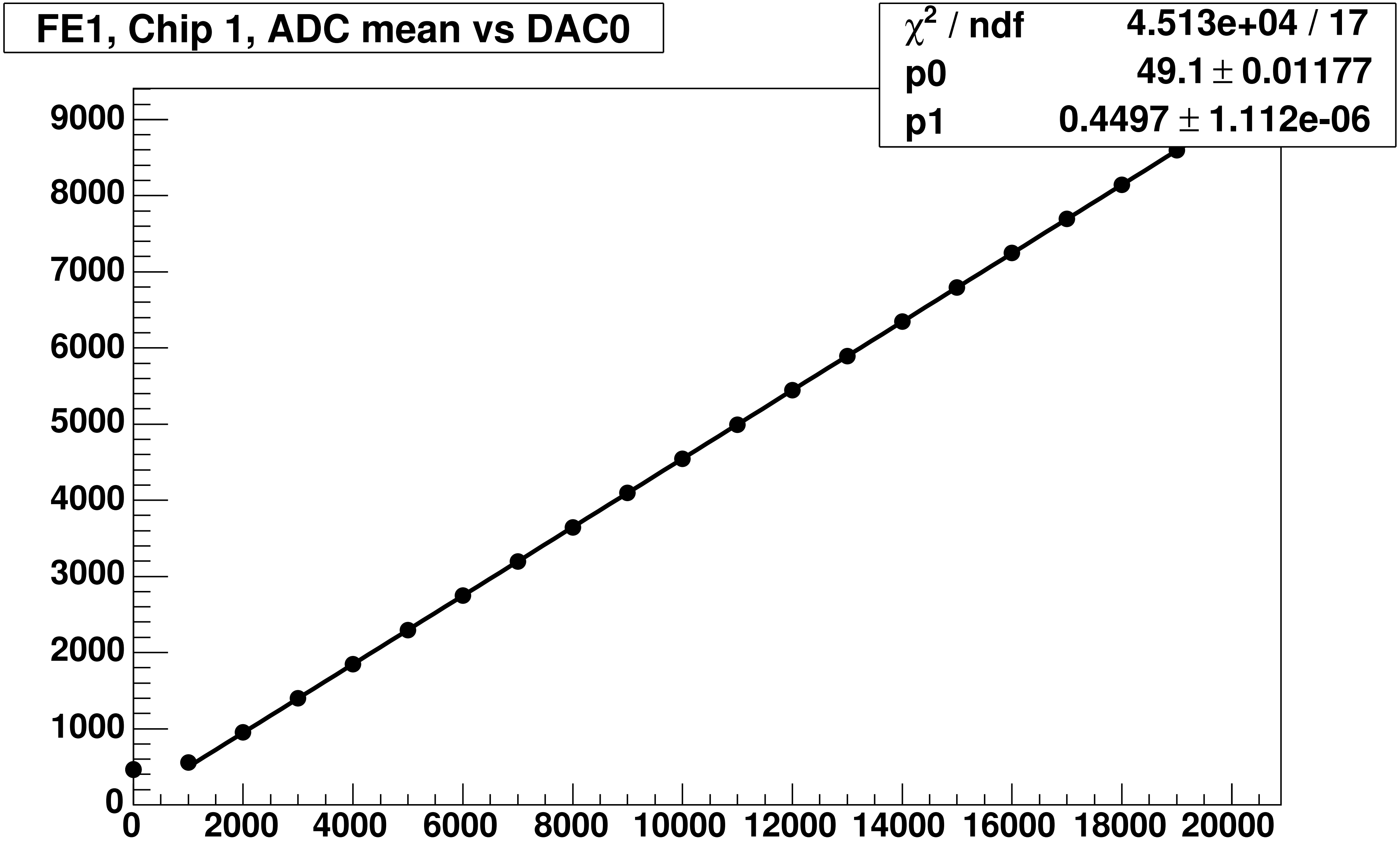

FE1, Chip 0, ADC residuals vs DAC0
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

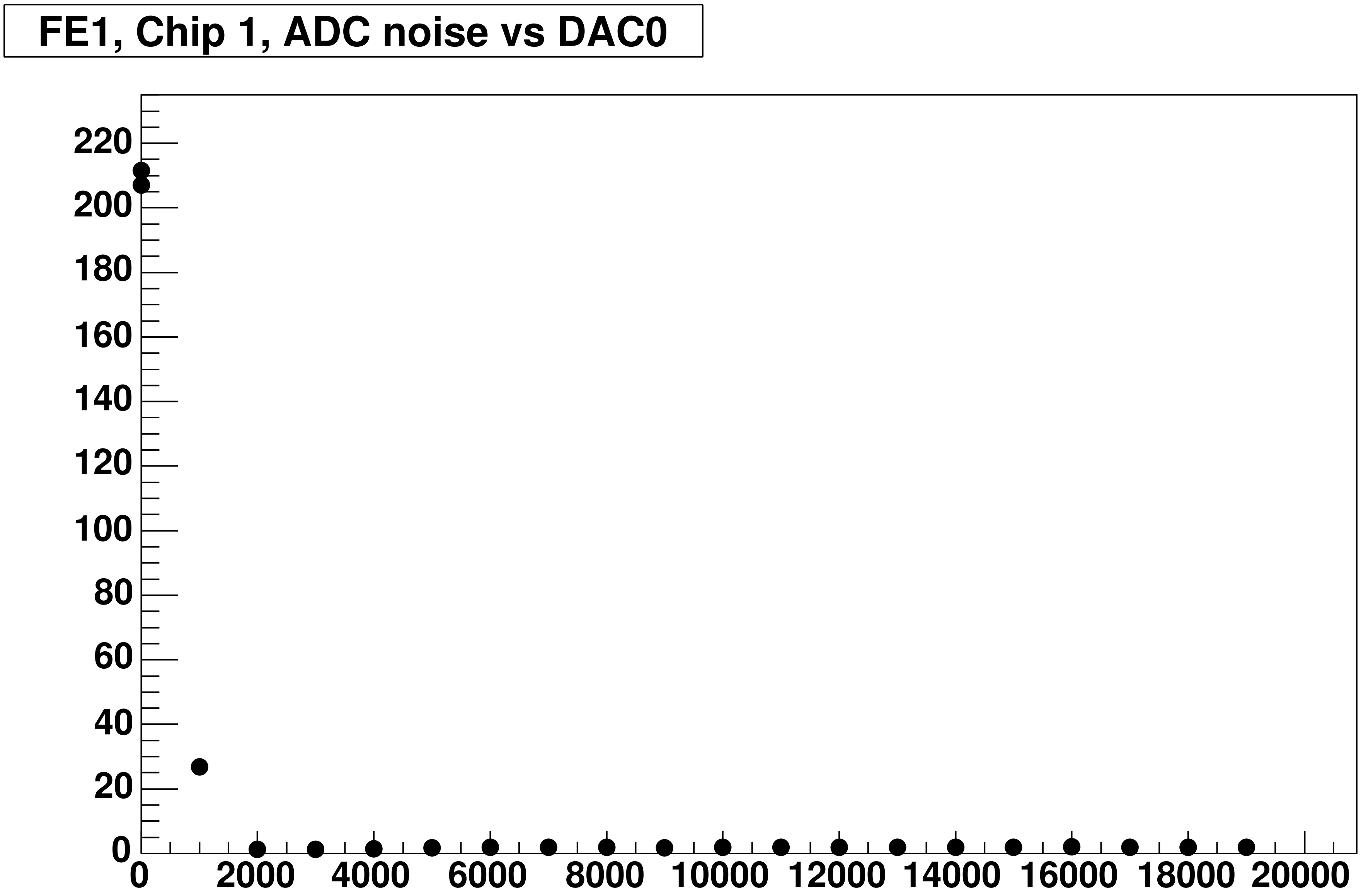

FE1, Chip 0, ADC mean vs DAC1
χ^2 / ndf 82.53 / 17
p0 461.3 ± 1.469
p1 0.0001292 ± 0.0001285
480
475
470
465
460
455
450
445
440
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 0, ADC noise vs DAC1
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

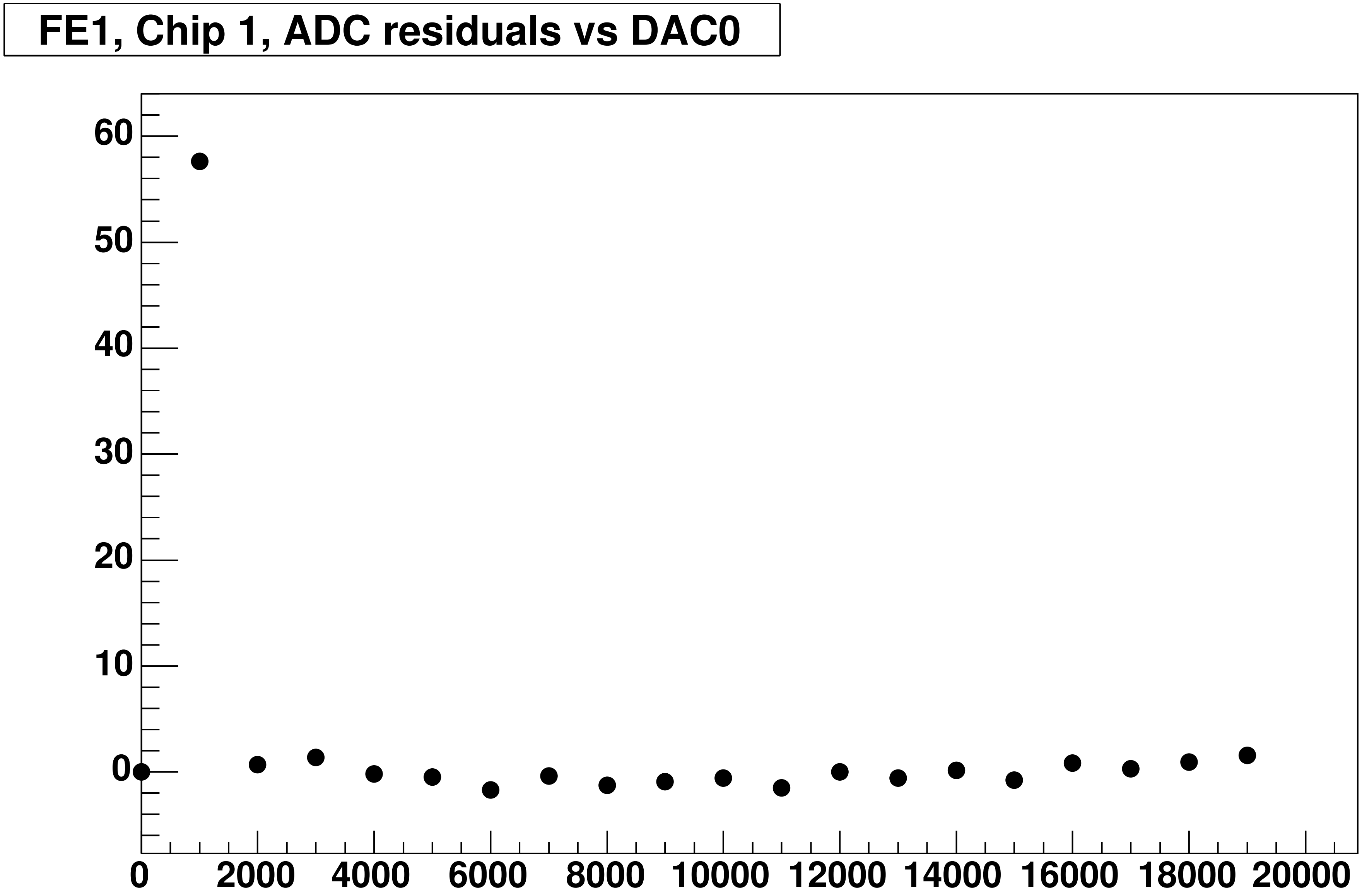


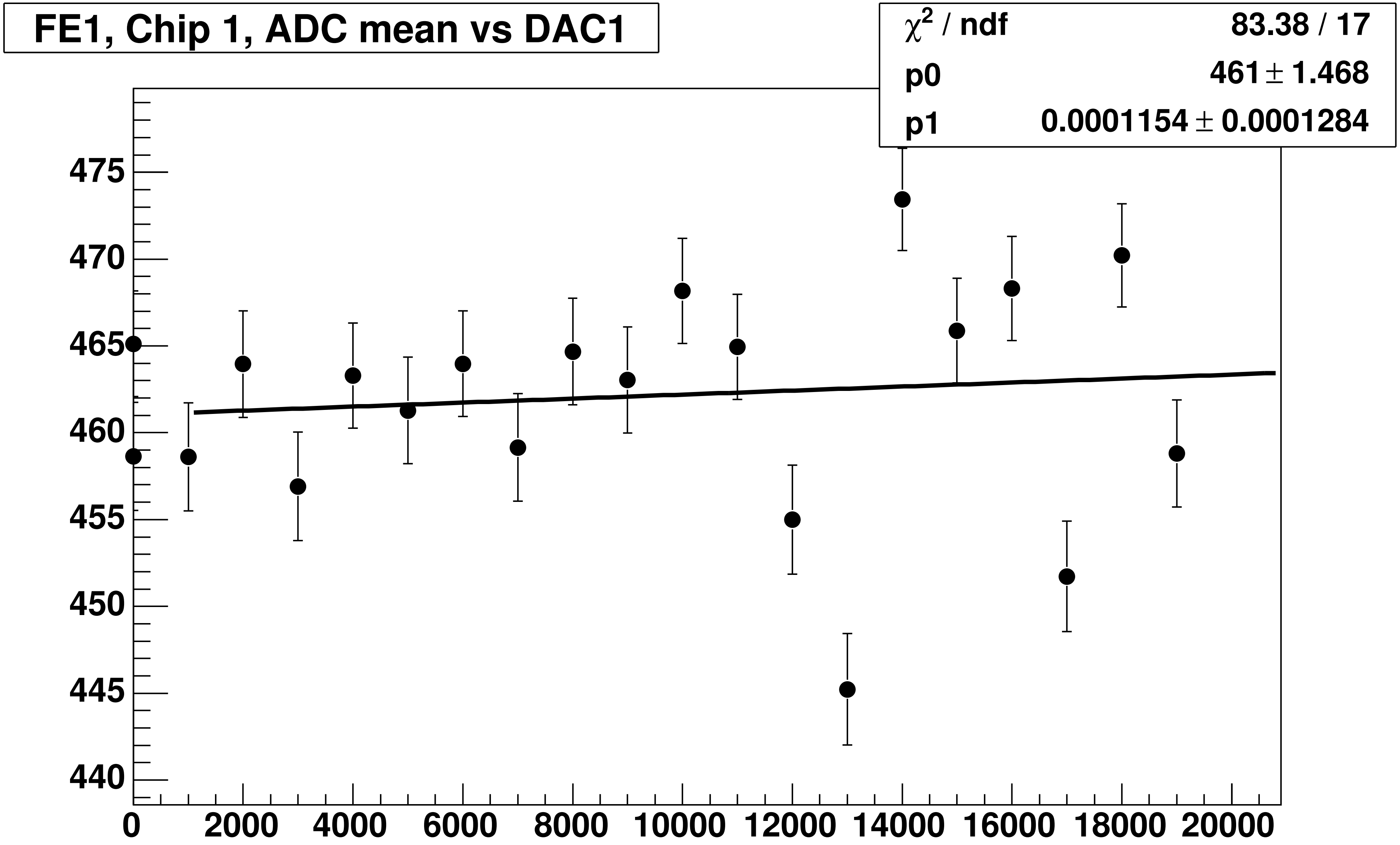
FE1, Chip 0, ADC residuals vs DAC1
15
10
5
0
-5
-10
-15
-20
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 1, ADC mean vs DAC0
χ^2 / ndf 4.513e+04 / 17
p0 49.1 ± 0.01177
p1 0.4497 ± 1.112e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

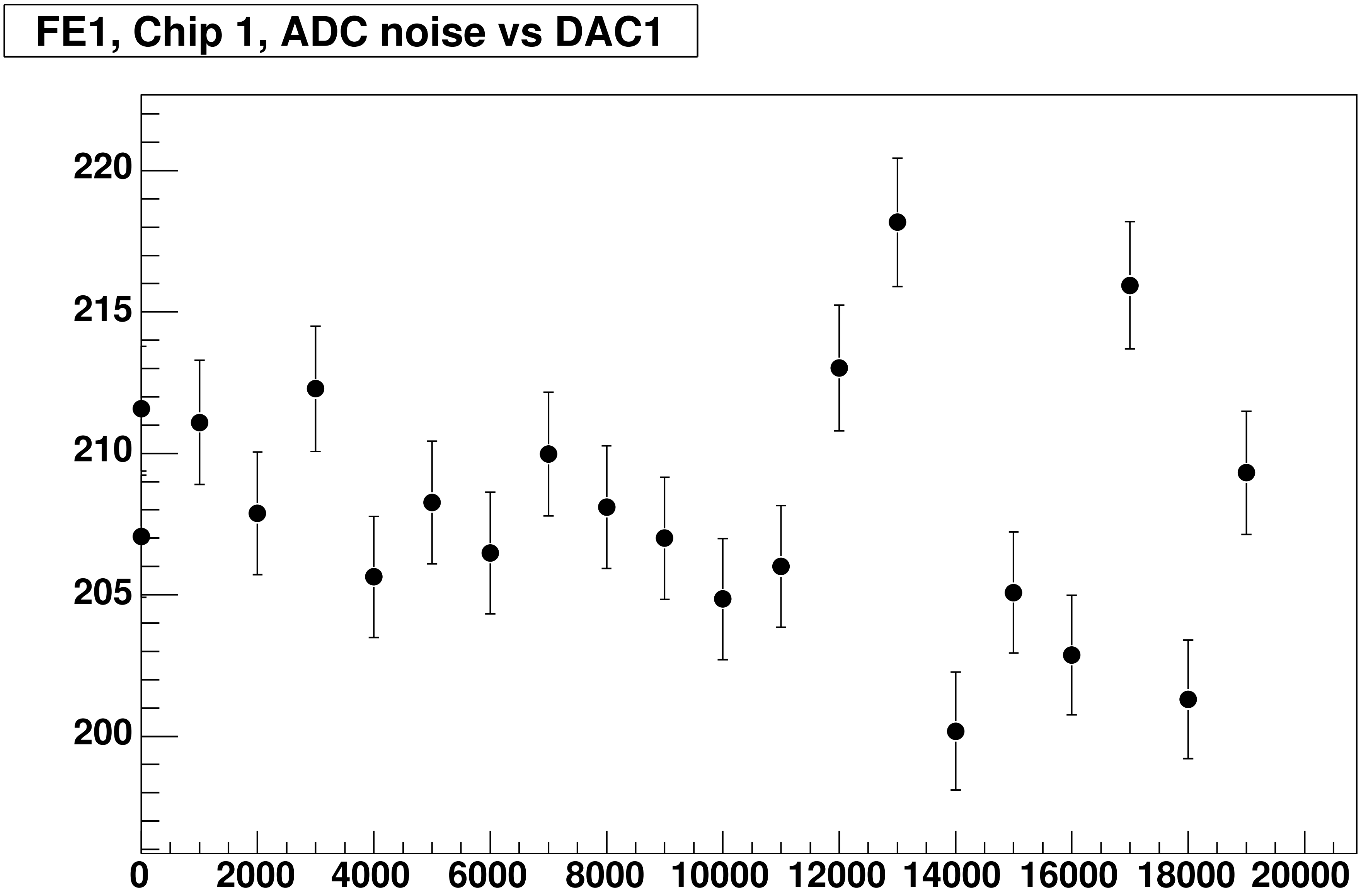


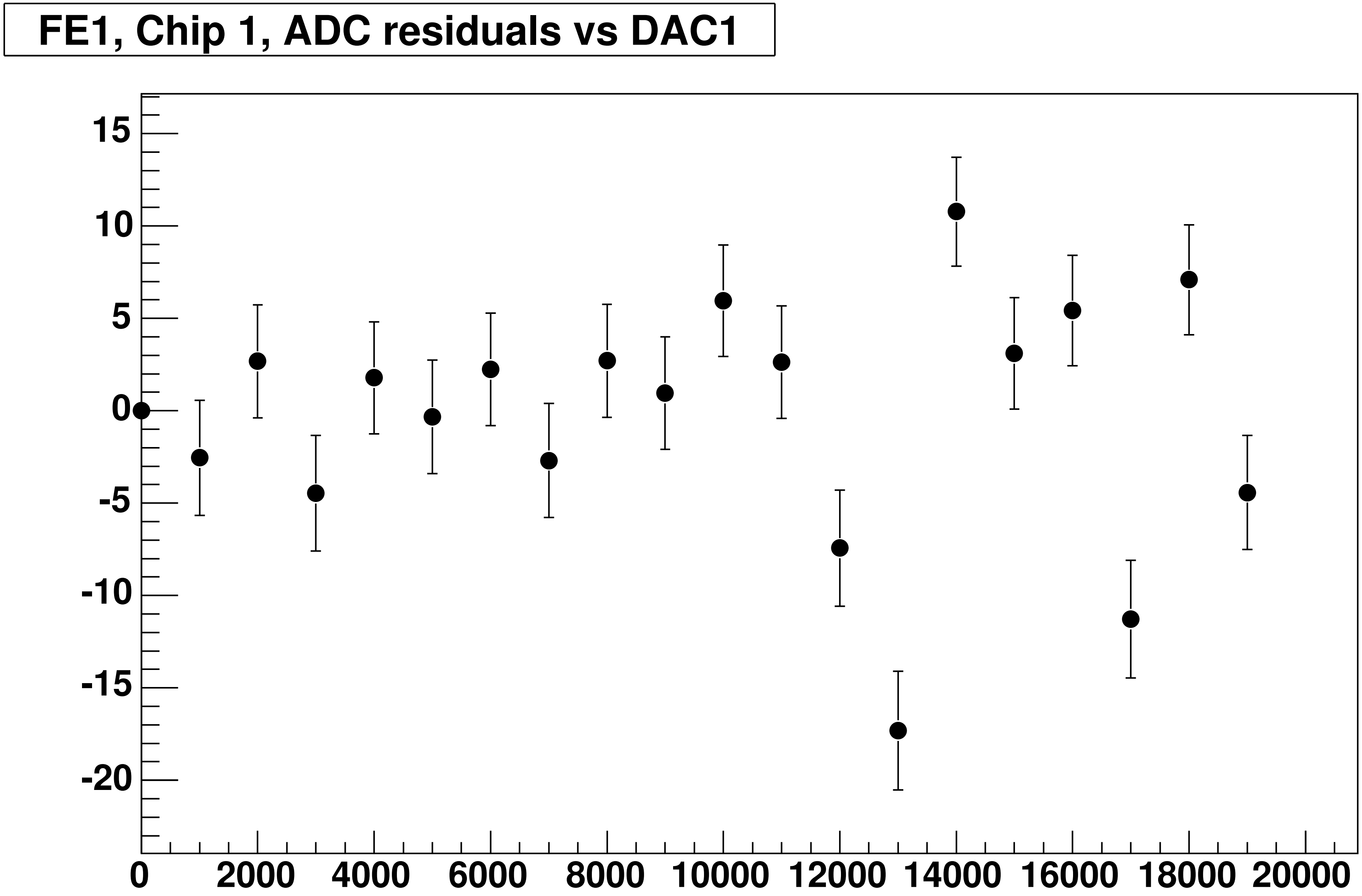
FE1, Chip 1, ADC noise vs DAC0
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

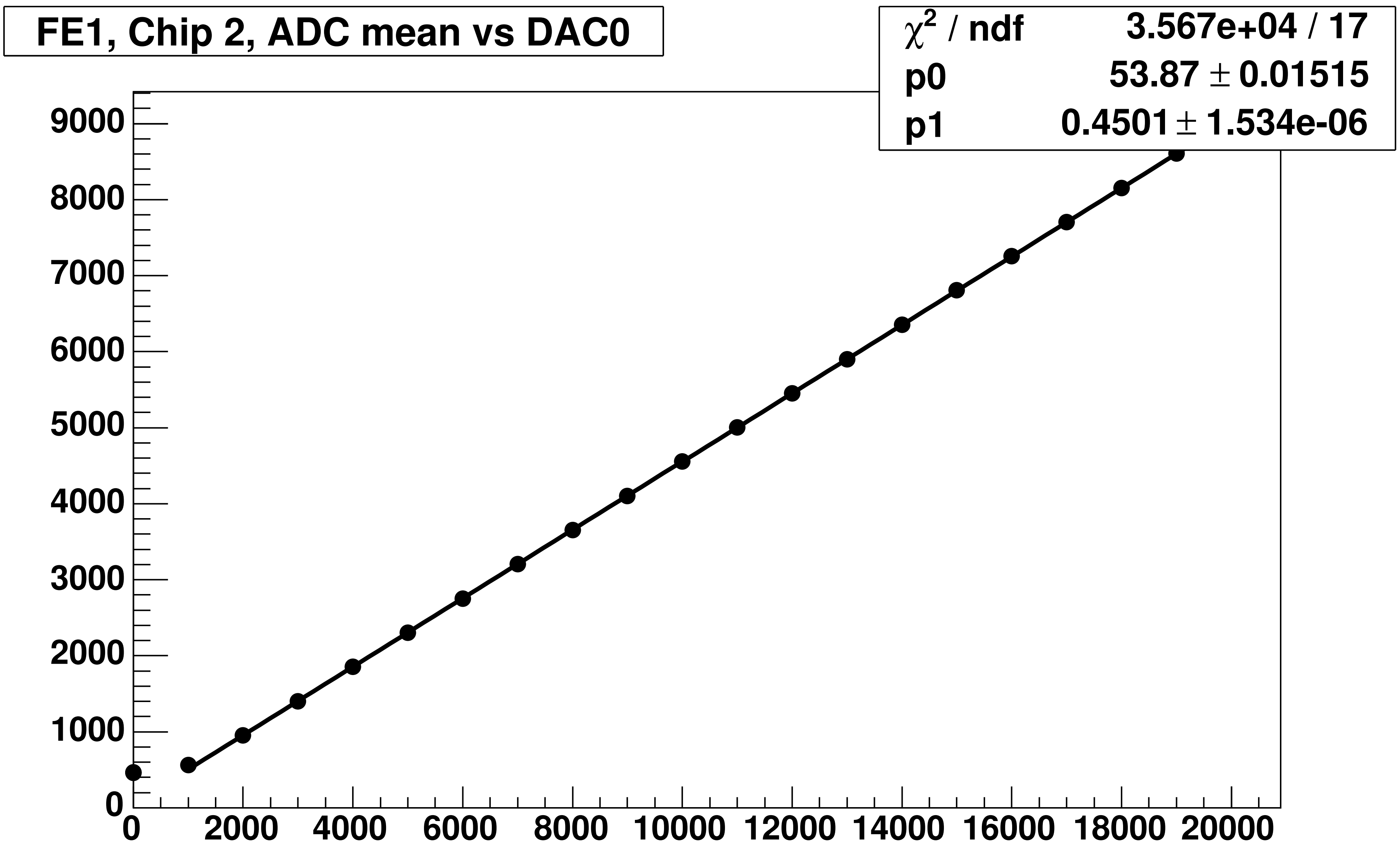

FE1, Chip 1, ADC residuals vs DAC0
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE1, Chip 1, ADC mean vs DAC1
χ^2 / ndf 83.38 / 17
p0 461 ± 1.468
p1 0.0001154 ± 0.0001284
475
470
465
460
455
450
445
440
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

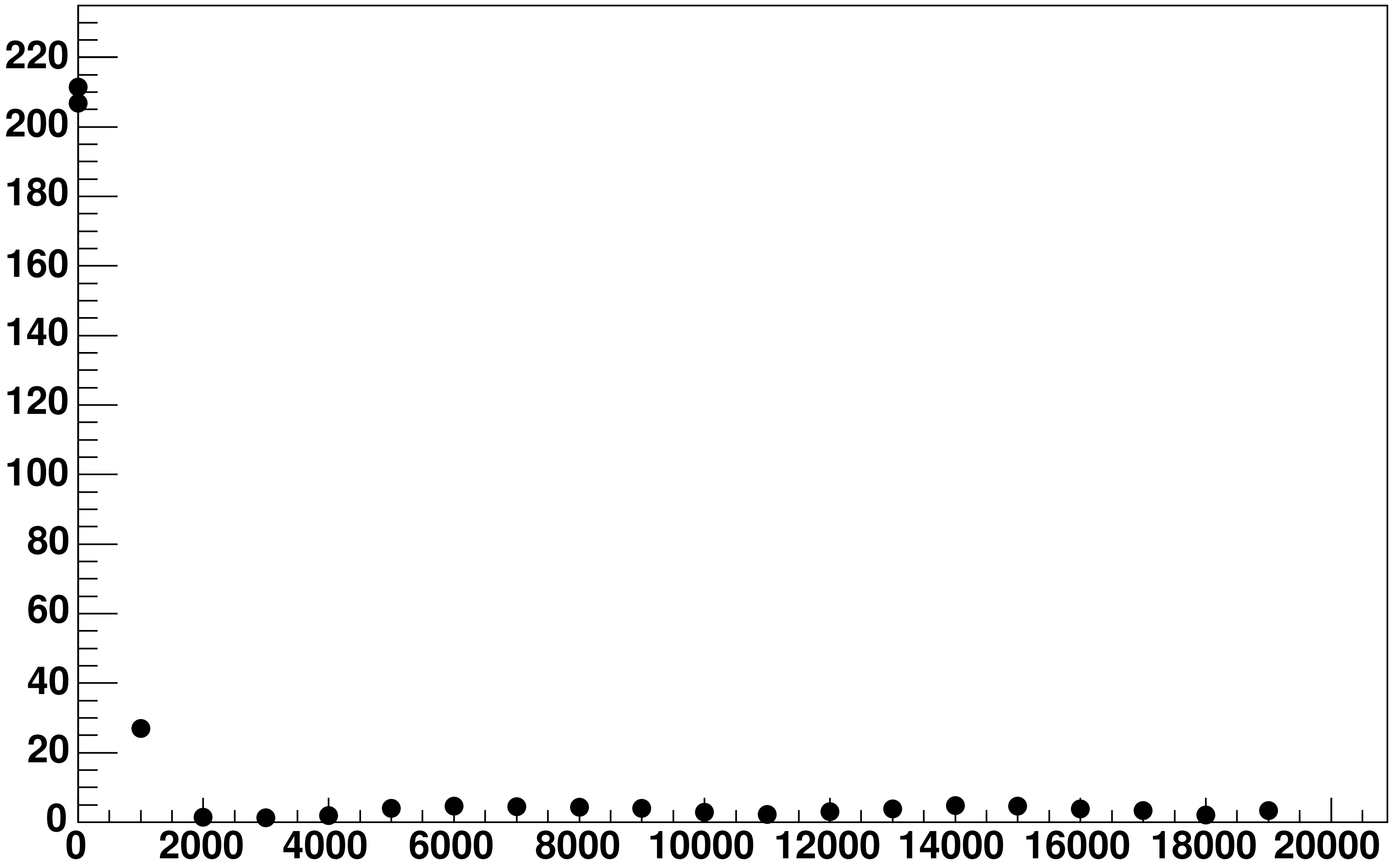

FE1, Chip 1, ADC noise vs DAC1
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

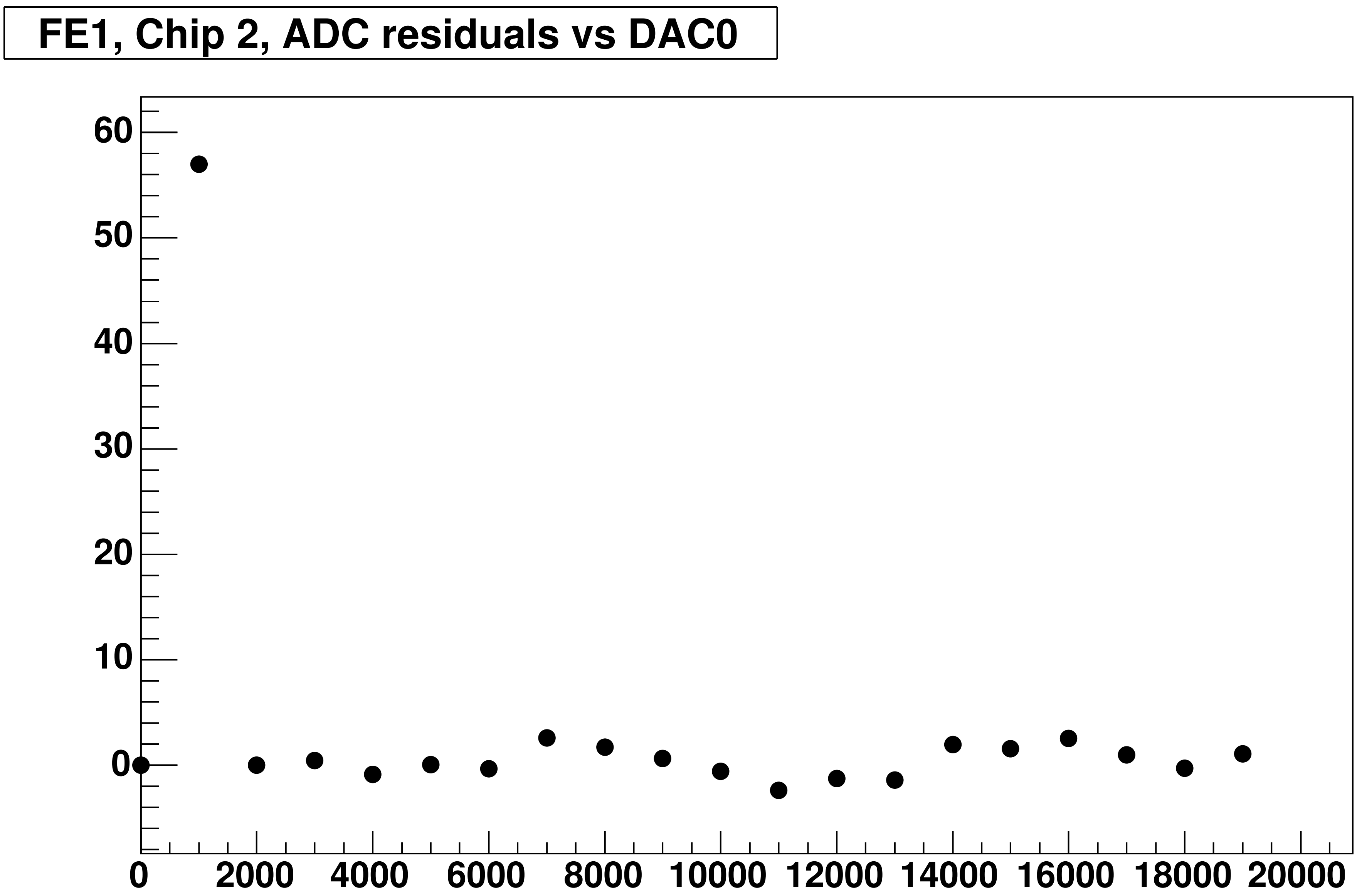

FE1, Chip 1, ADC residuals vs DAC1
15
10
5
0
-5
-10
-15
-20
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

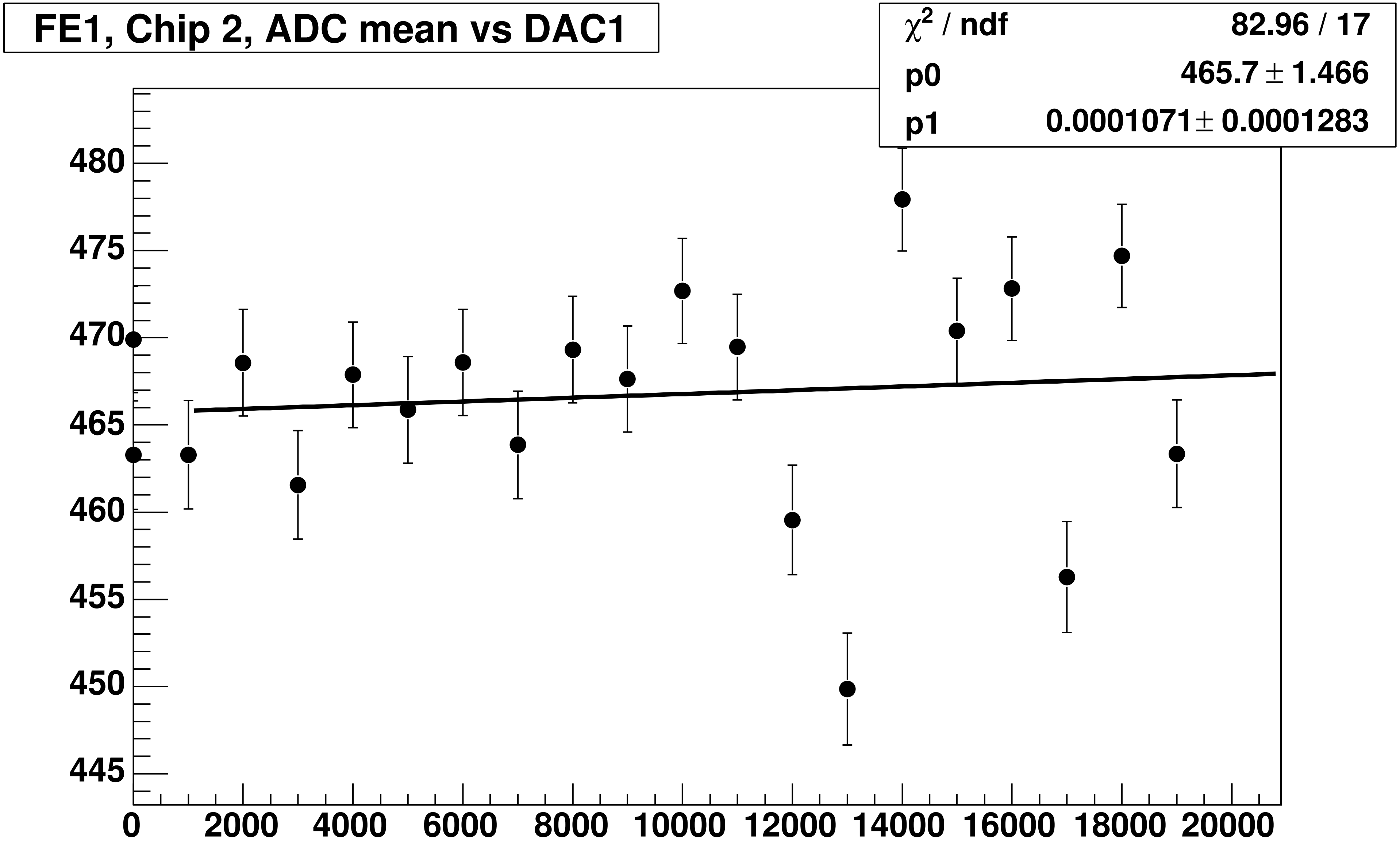


FE1, Chip 2, ADC mean vs DAC0
χ^2 / ndf 3.567e+04 / 17
p0 53.87 ± 0.01515
p1 0.4501 ± 1.534e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

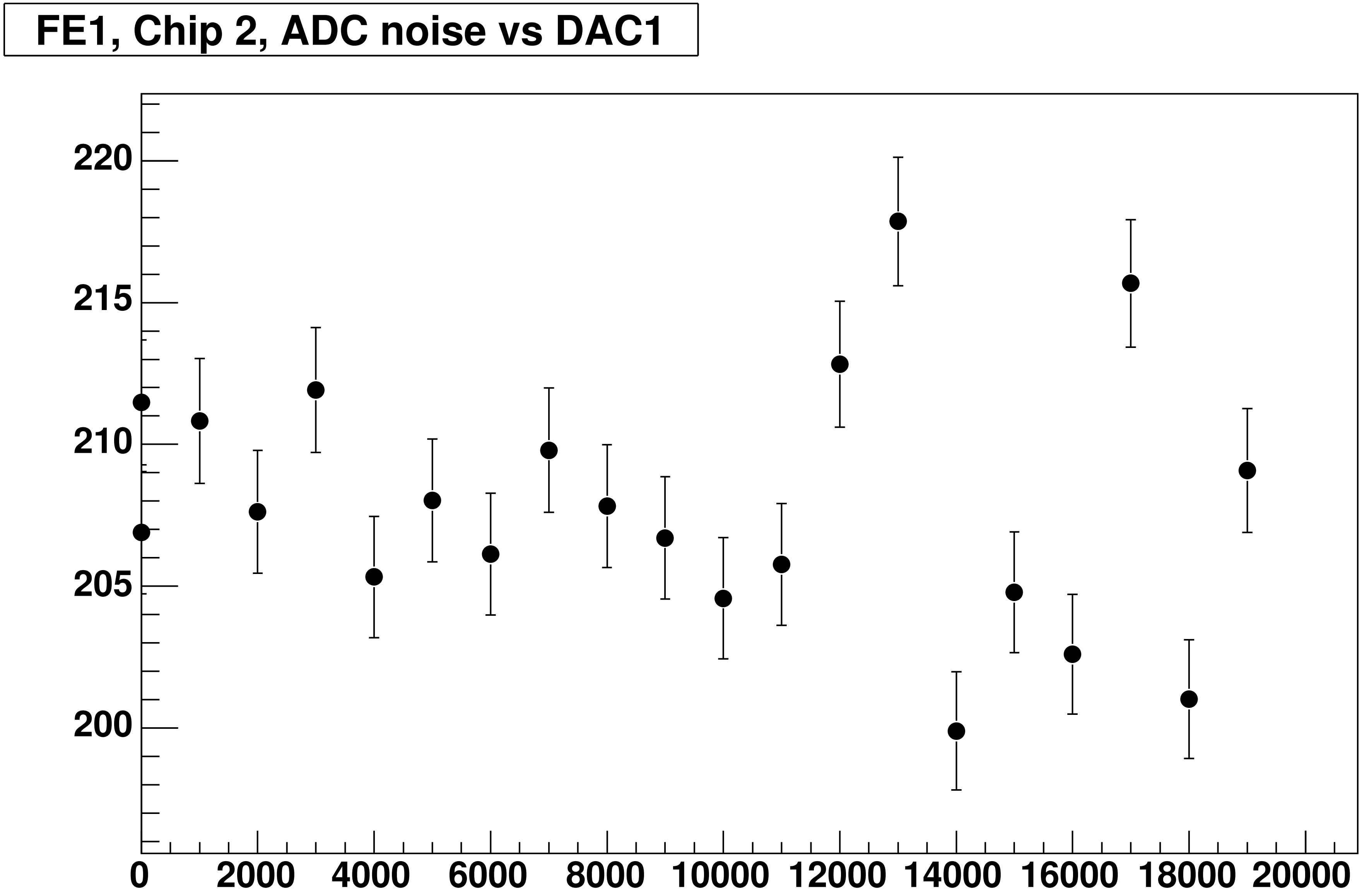
FE1, Chip 2, ADC noise vs DAC0

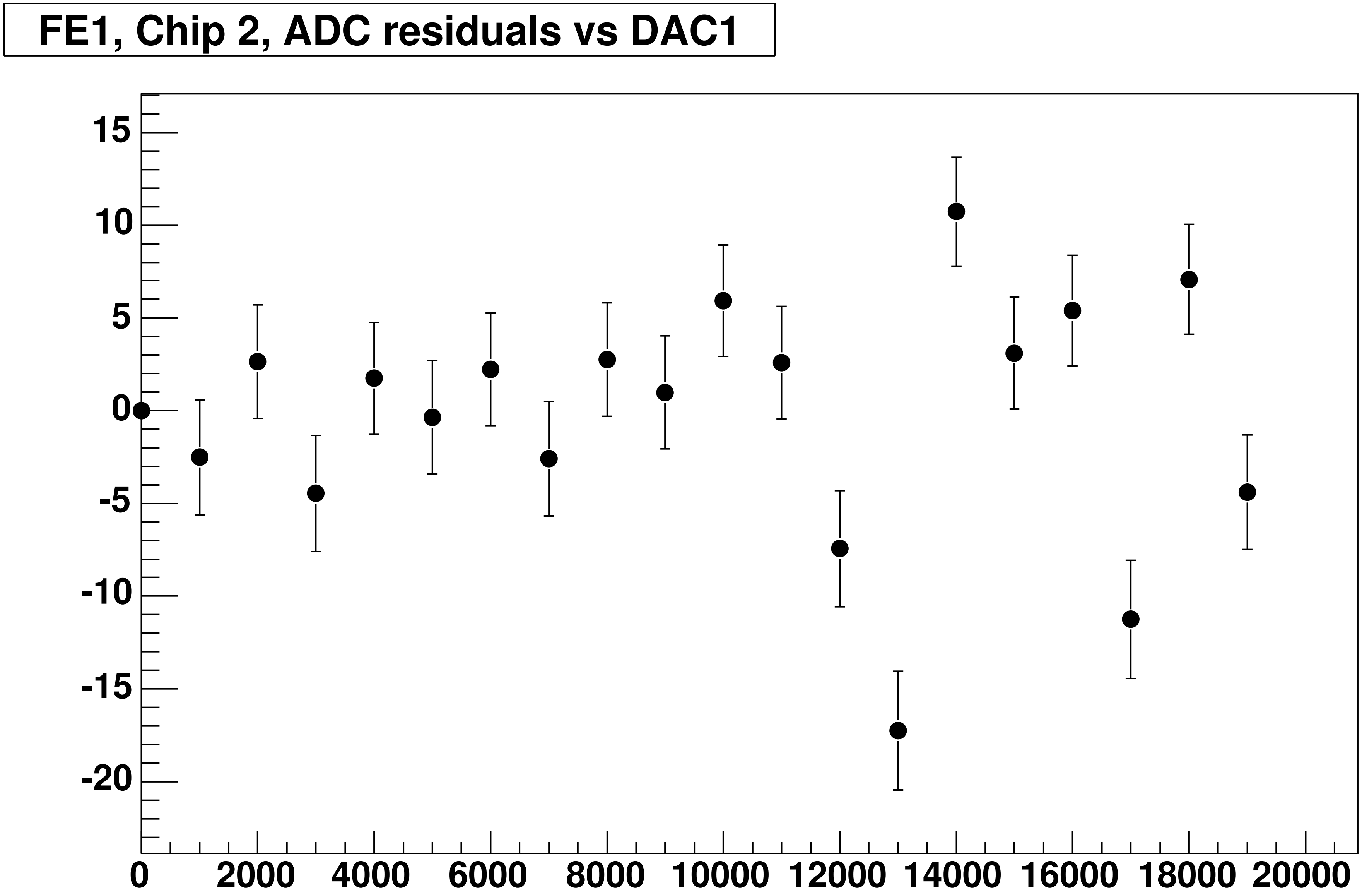


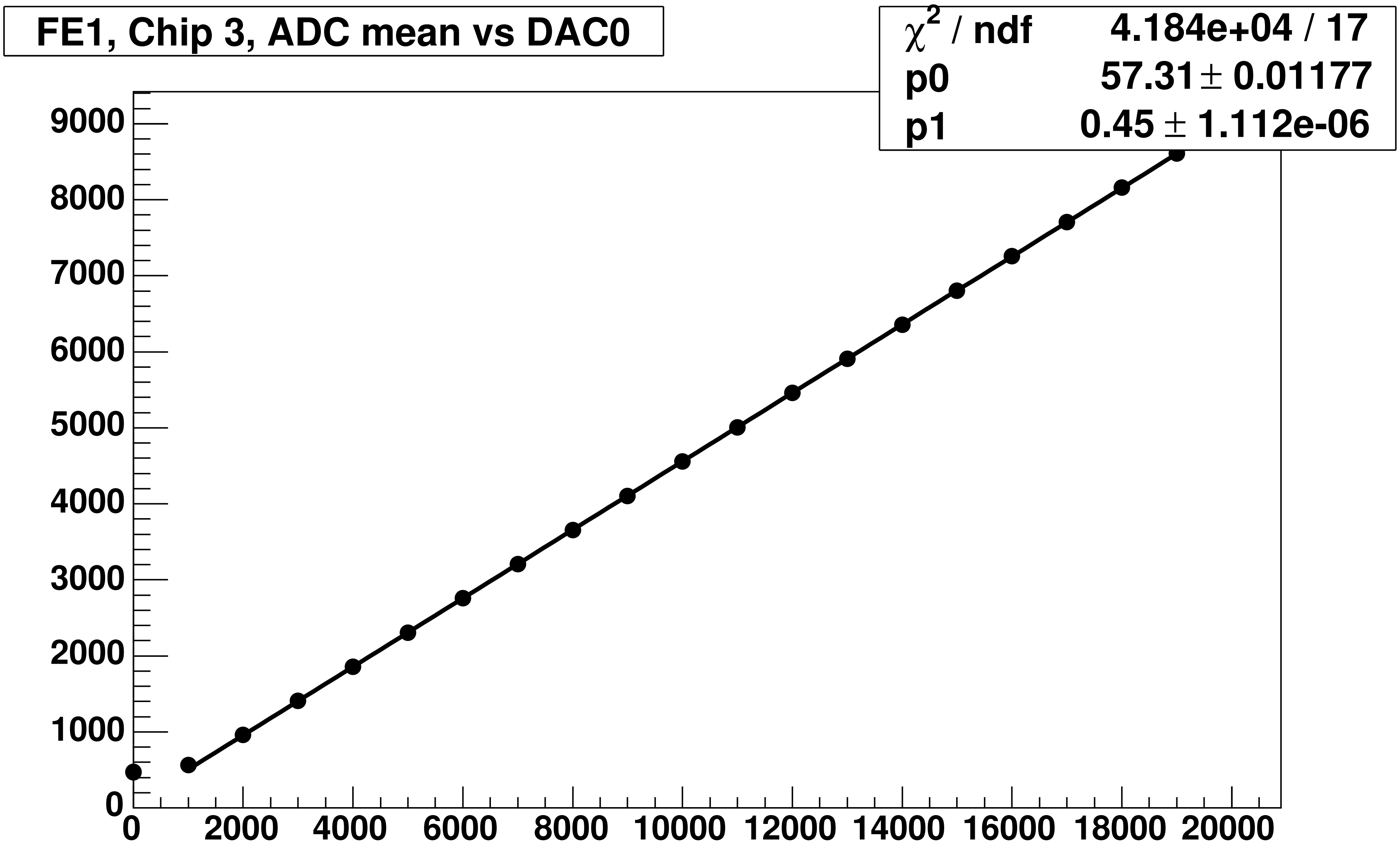

FE1, Chip 2, ADC residuals vs DAC0
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

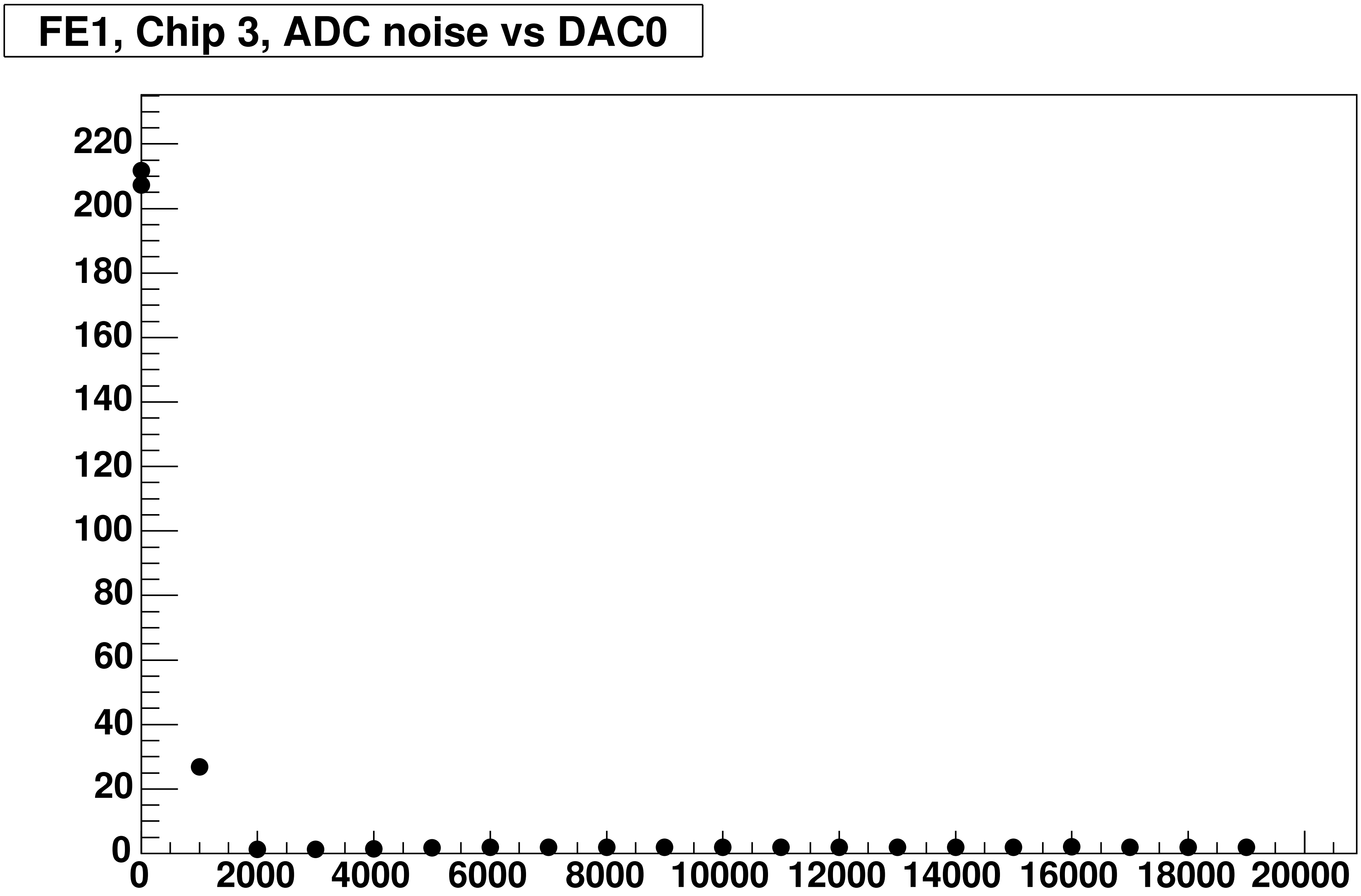


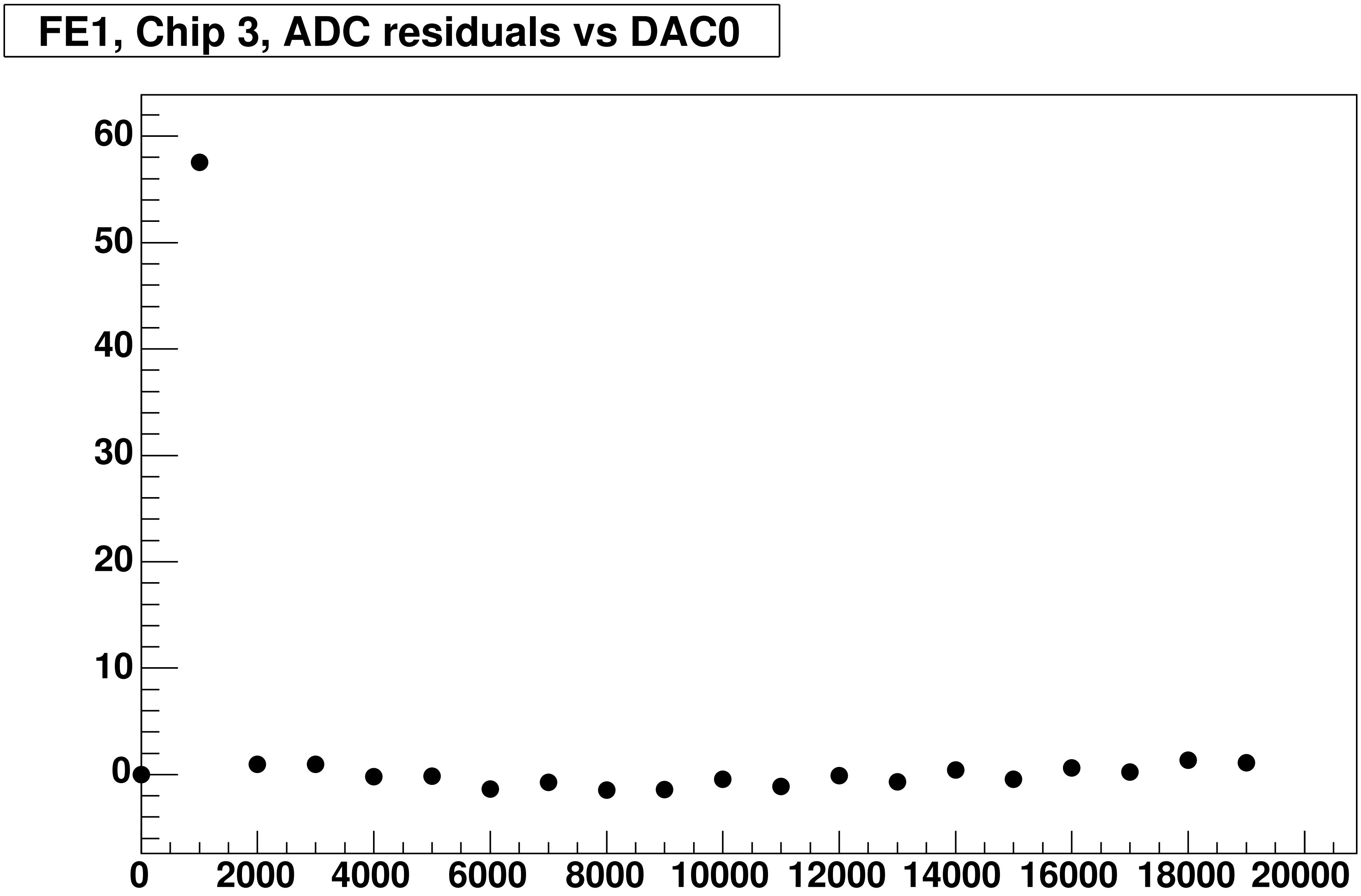
FE1, Chip 2, ADC mean vs DAC1
χ² / ndf 82.96 / 17
p0 465.7 ± 1.466
p1 0.0001071 ± 0.0001283
480
475
470
465
460
455
450
445
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 2, ADC noise vs DAC1
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

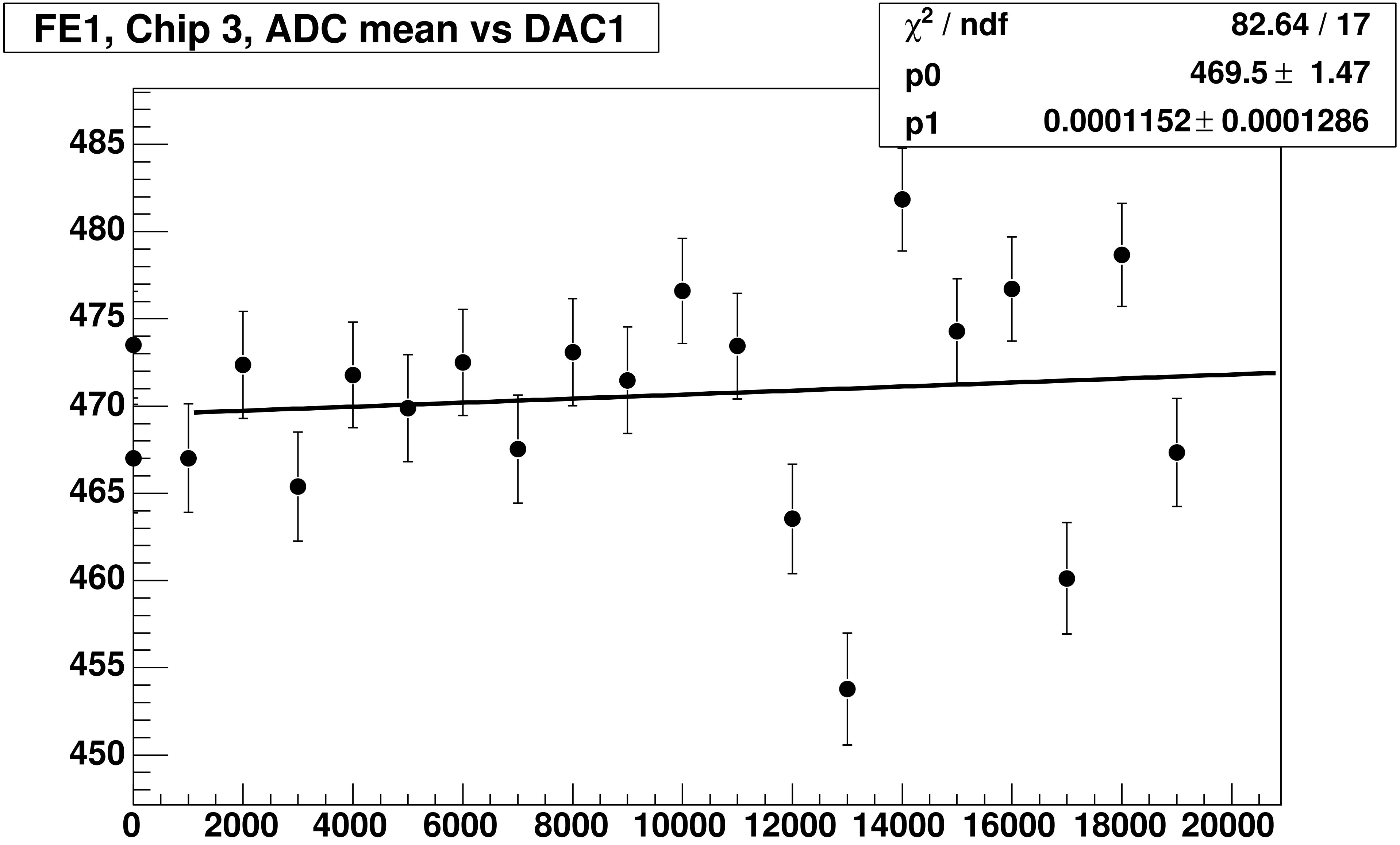

FE1, Chip 2, ADC residuals vs DAC1
15
10
5
0
-5
-10
-15
-20
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 3, ADC mean vs DAC0
χ^2 / ndf 4.184e+04 / 17
p0 57.31 ± 0.01177
p1 0.45 ± 1.112e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

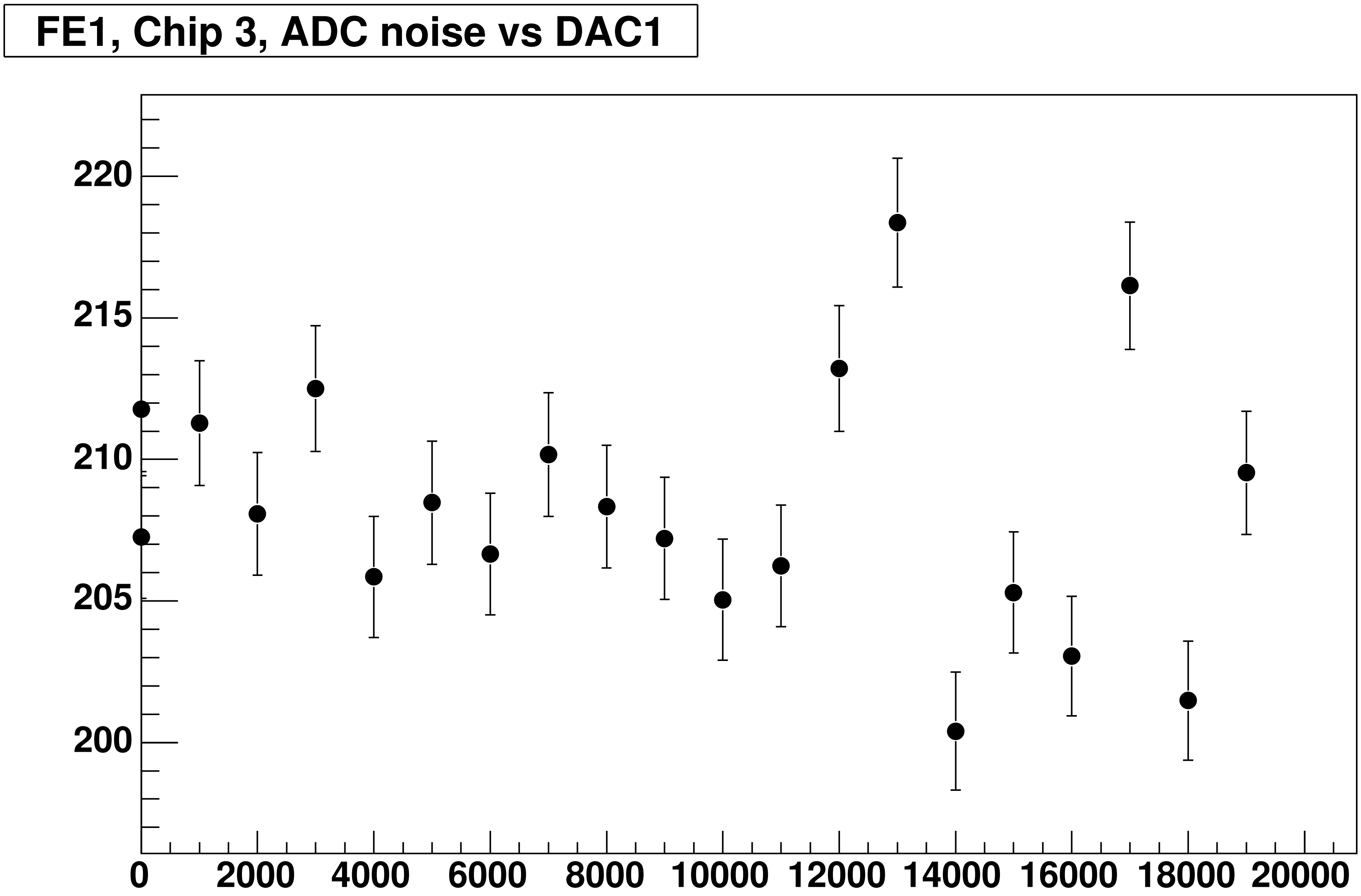

FE1, Chip 3, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
220
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

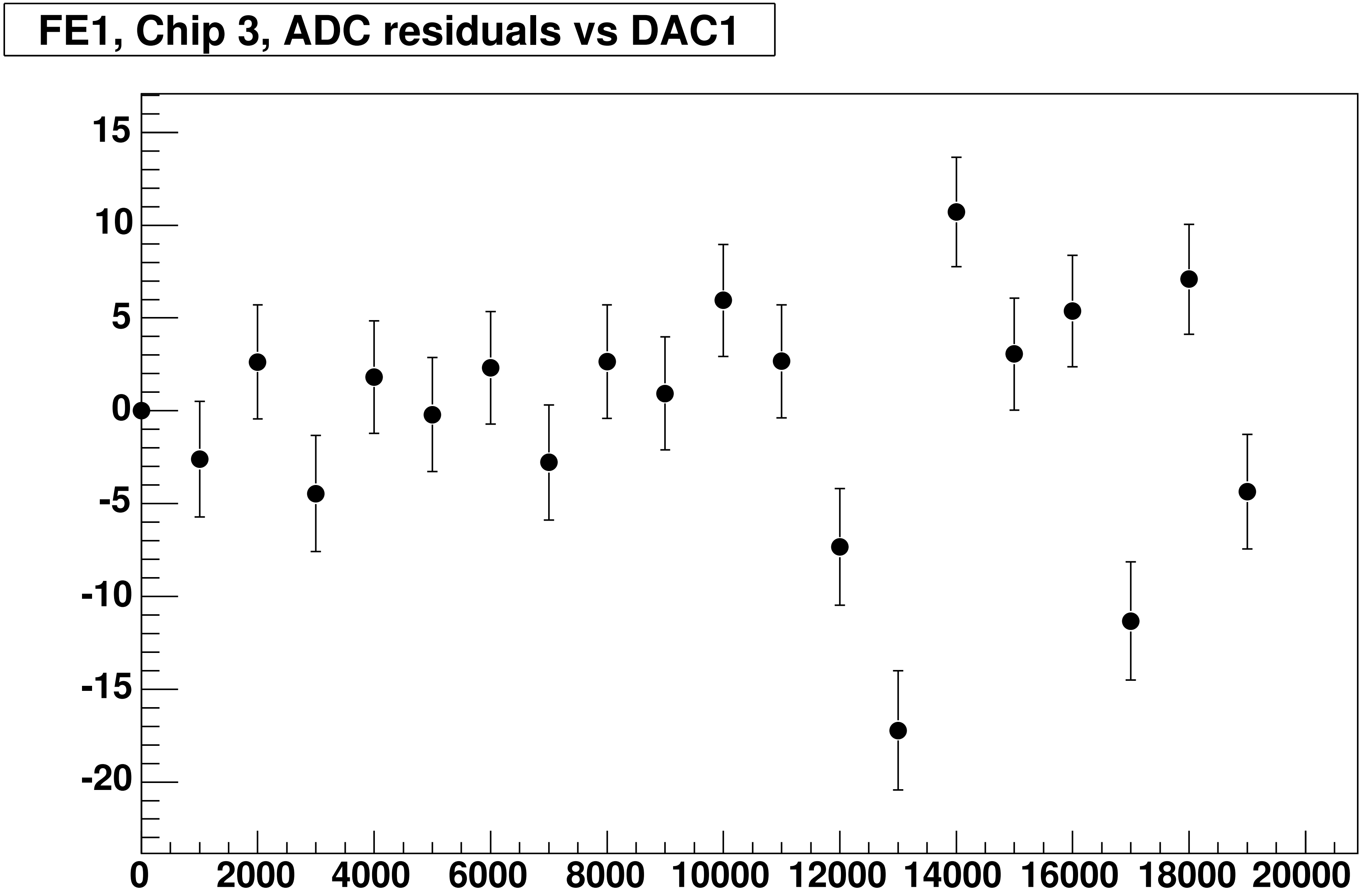


FE1, Chip 3, ADC residuals vs DAC0
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

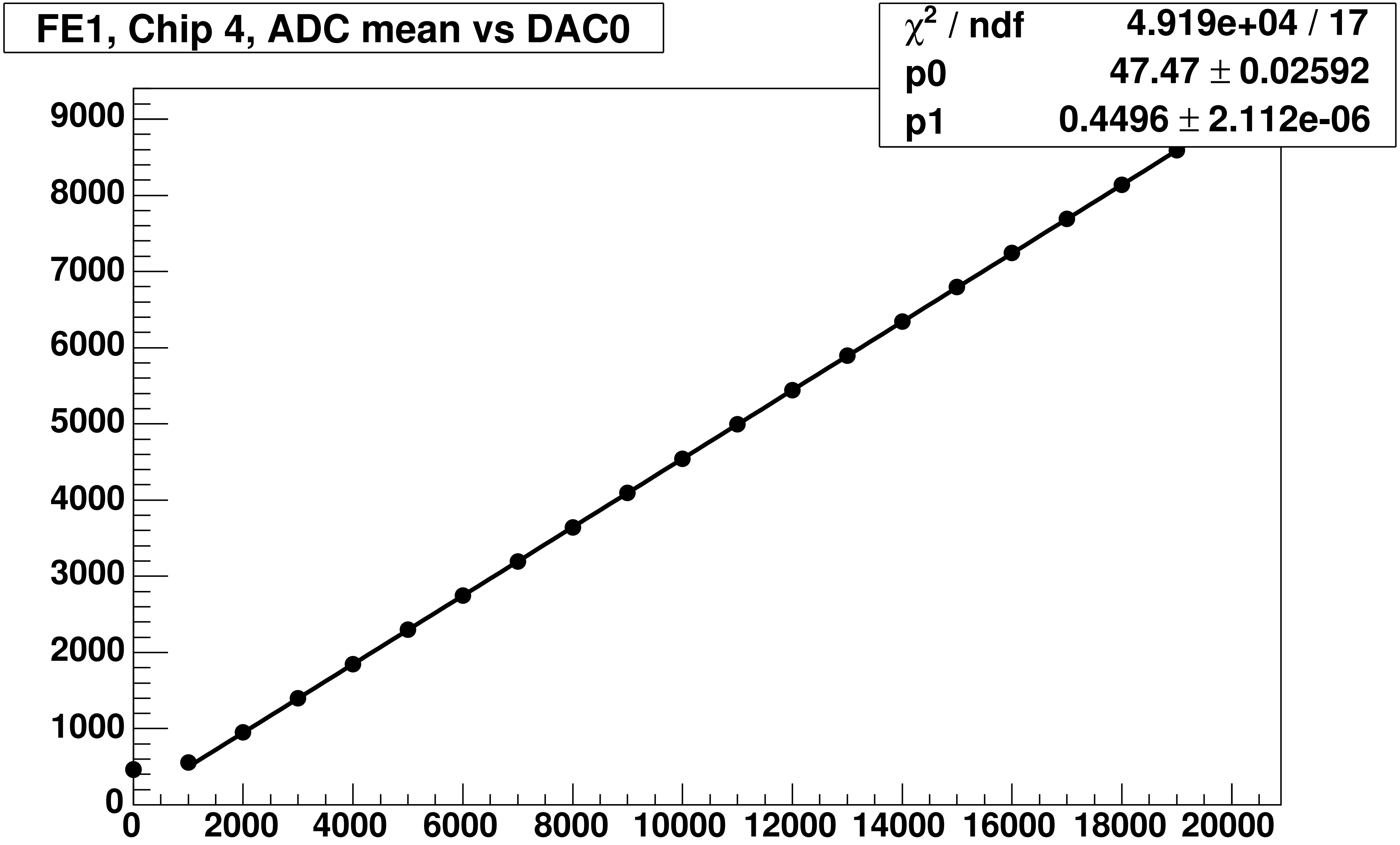


FE1, Chip 3, ADC mean vs DAC1
χ^2 / ndf 82.64 / 17
p0 469.5 ± 1.47
p1 0.0001152 ± 0.0001286
485
480
475
470
465
460
455
450
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

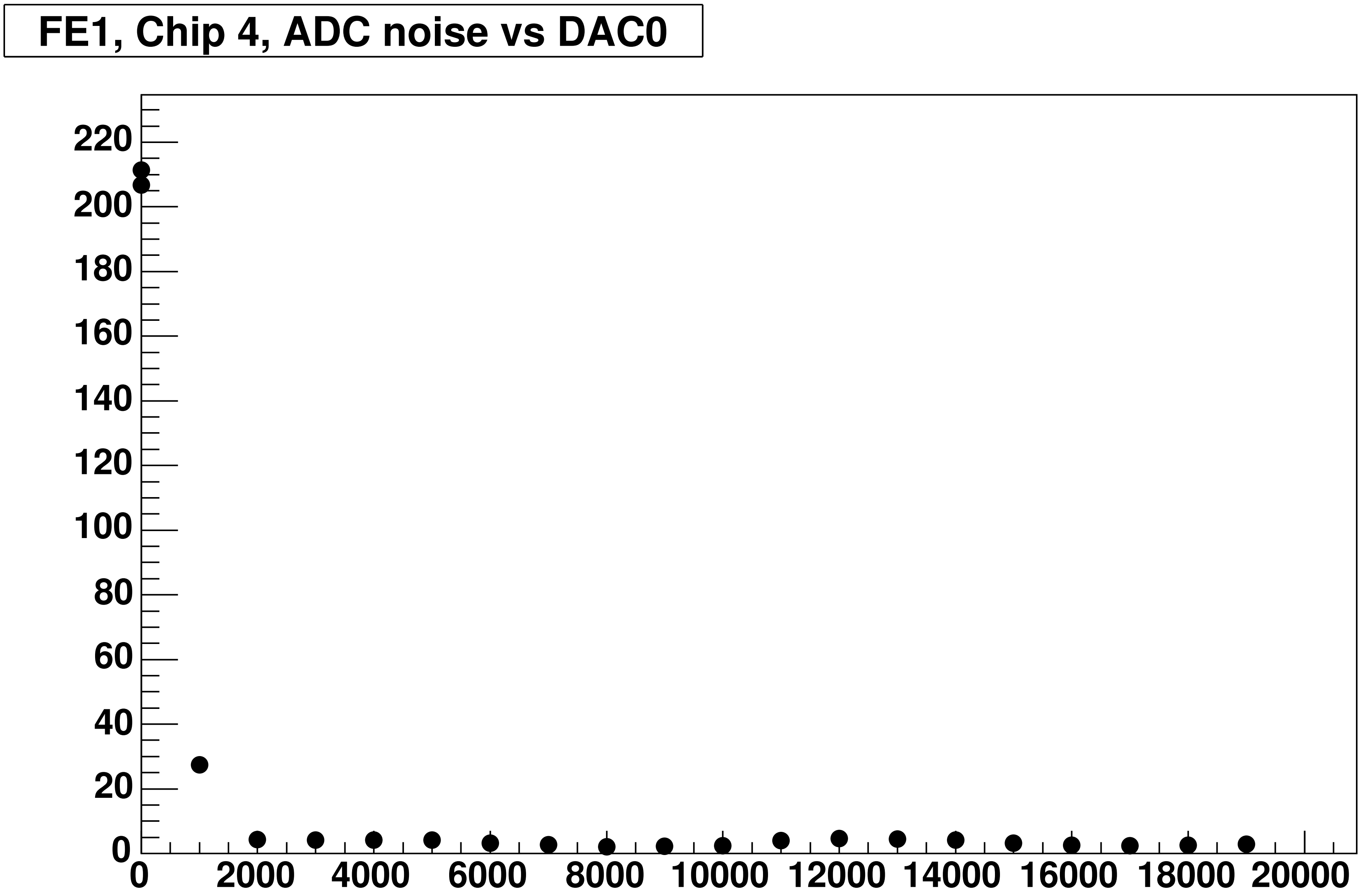

FE1, Chip 3, ADC noise vs DAC1
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



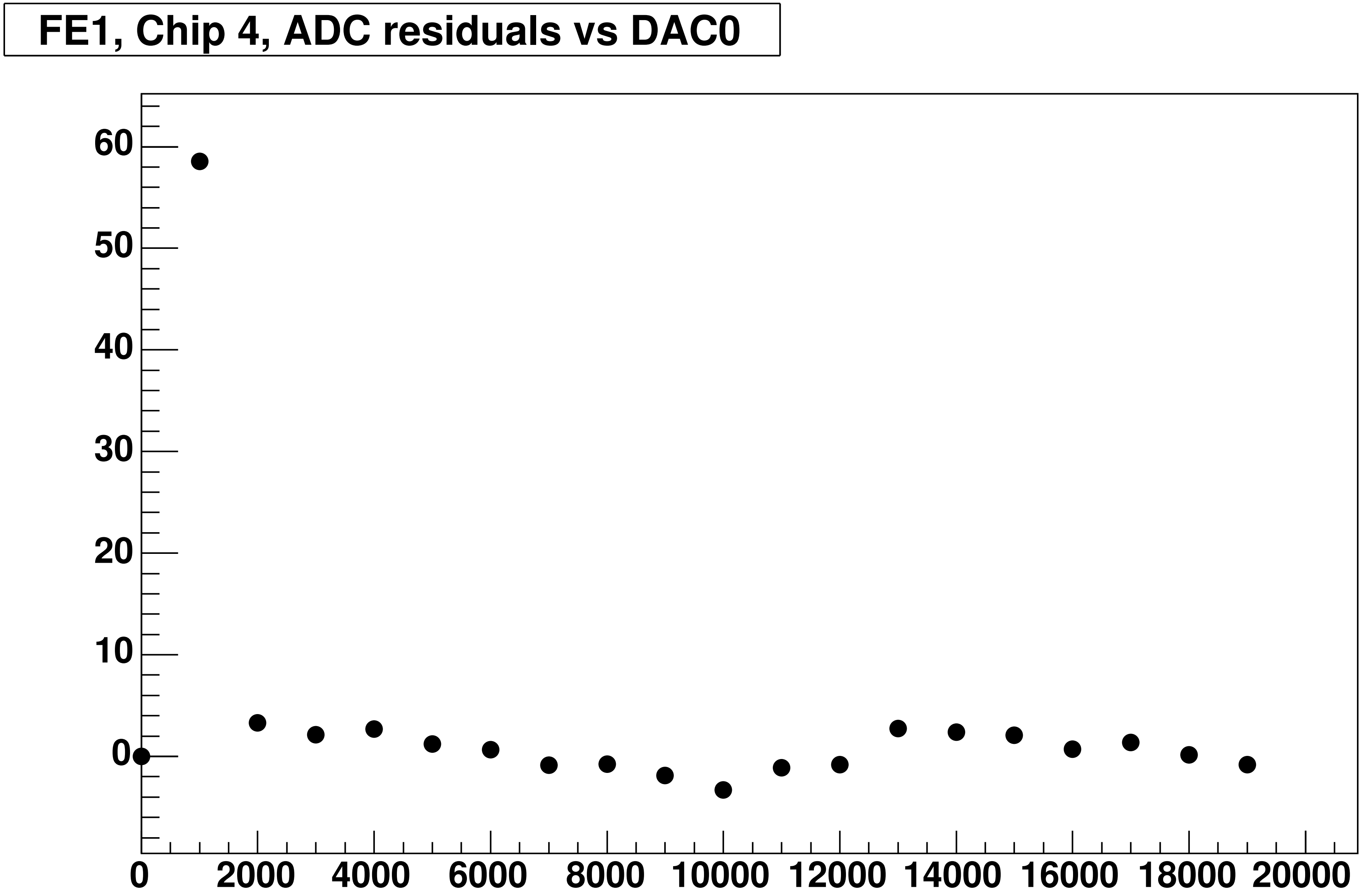
FE1, Chip 3, ADC residuals vs DAC1
15
10
5
0
-5
-10
-15
-20
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

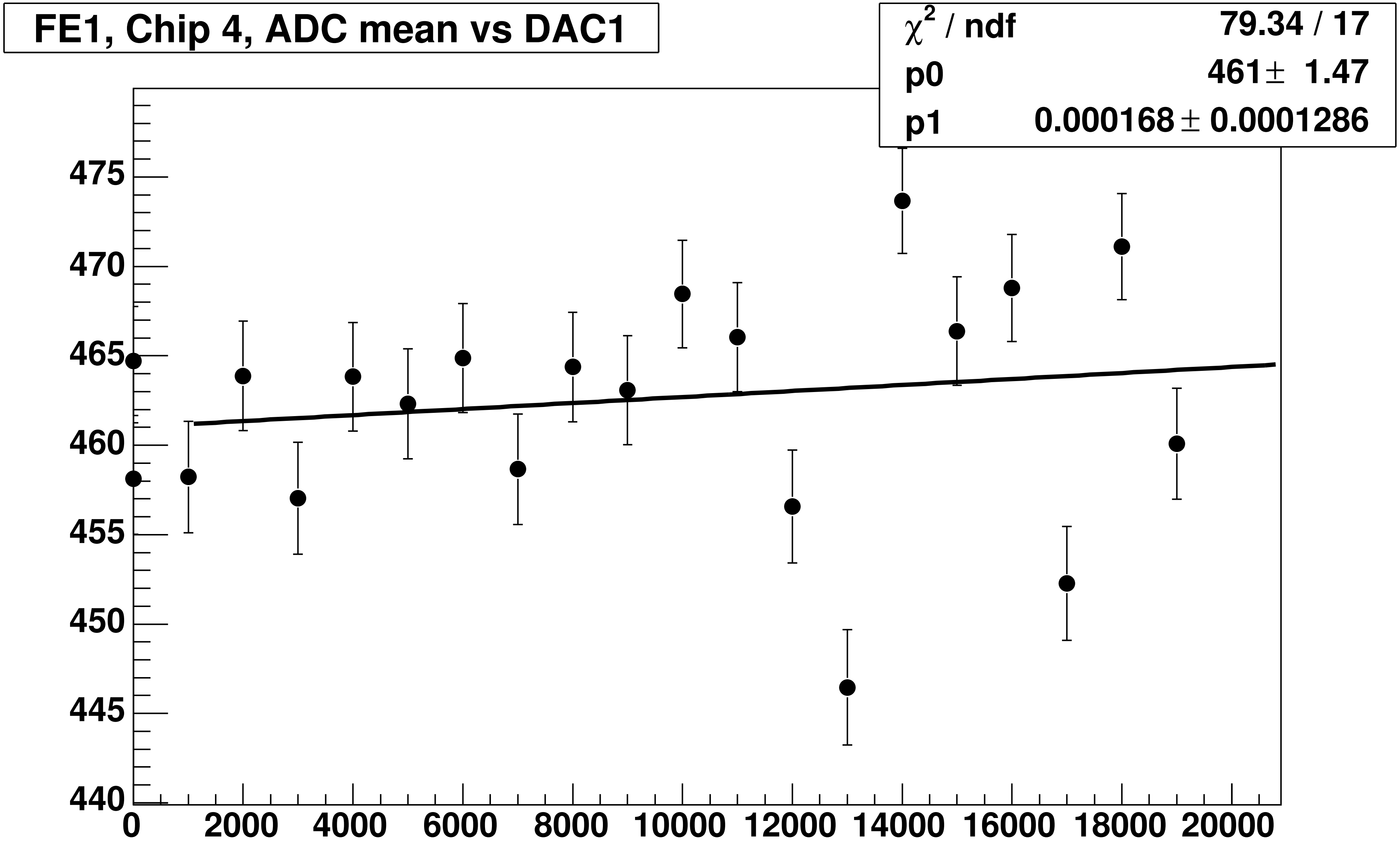


FE1, Chip 4, ADC mean vs DAC0
χ^2 / ndf 4.919e+04 / 17
p0 47.47 ± 0.02592
p1 0.4496 ± 2.112e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

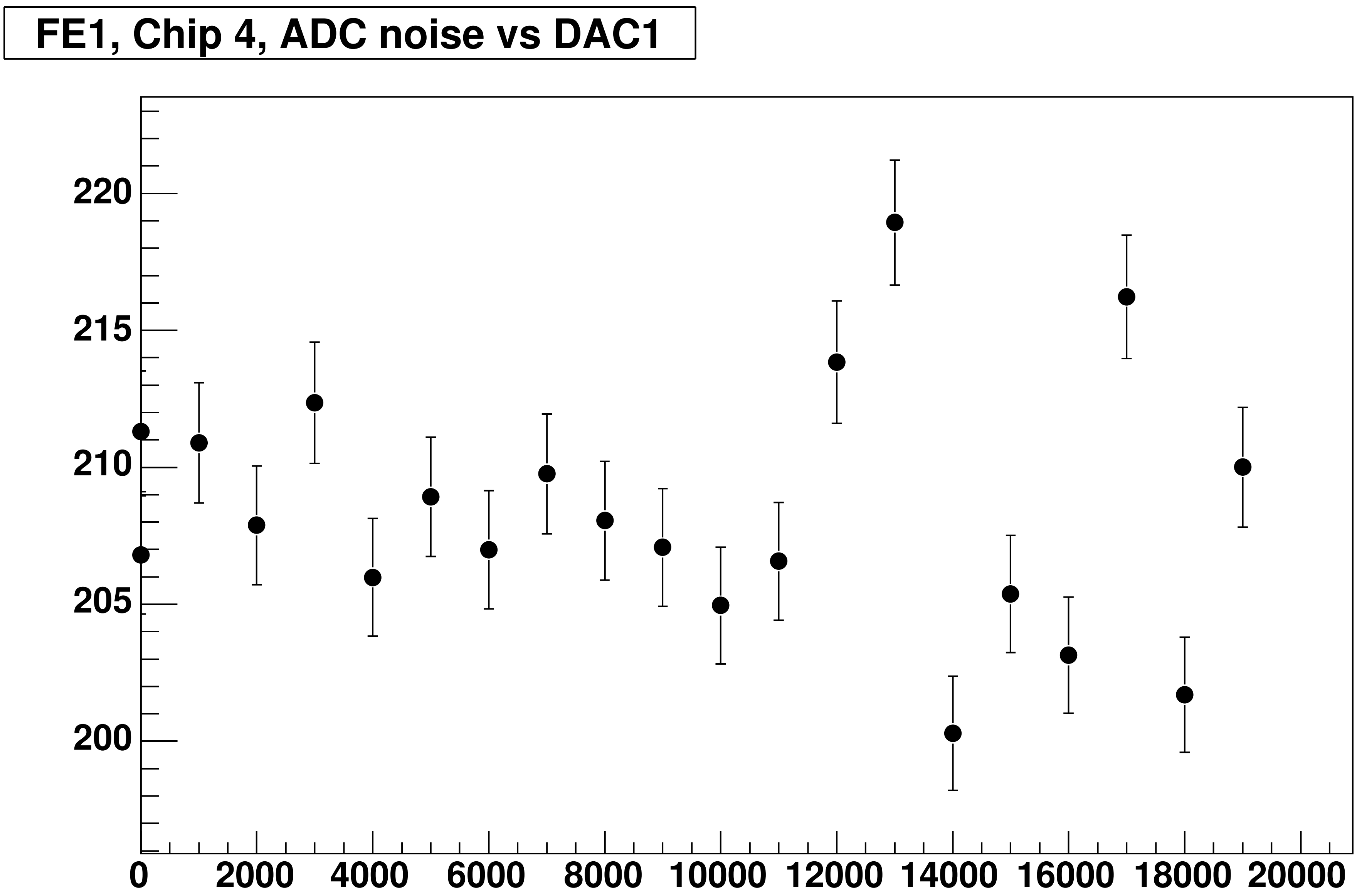


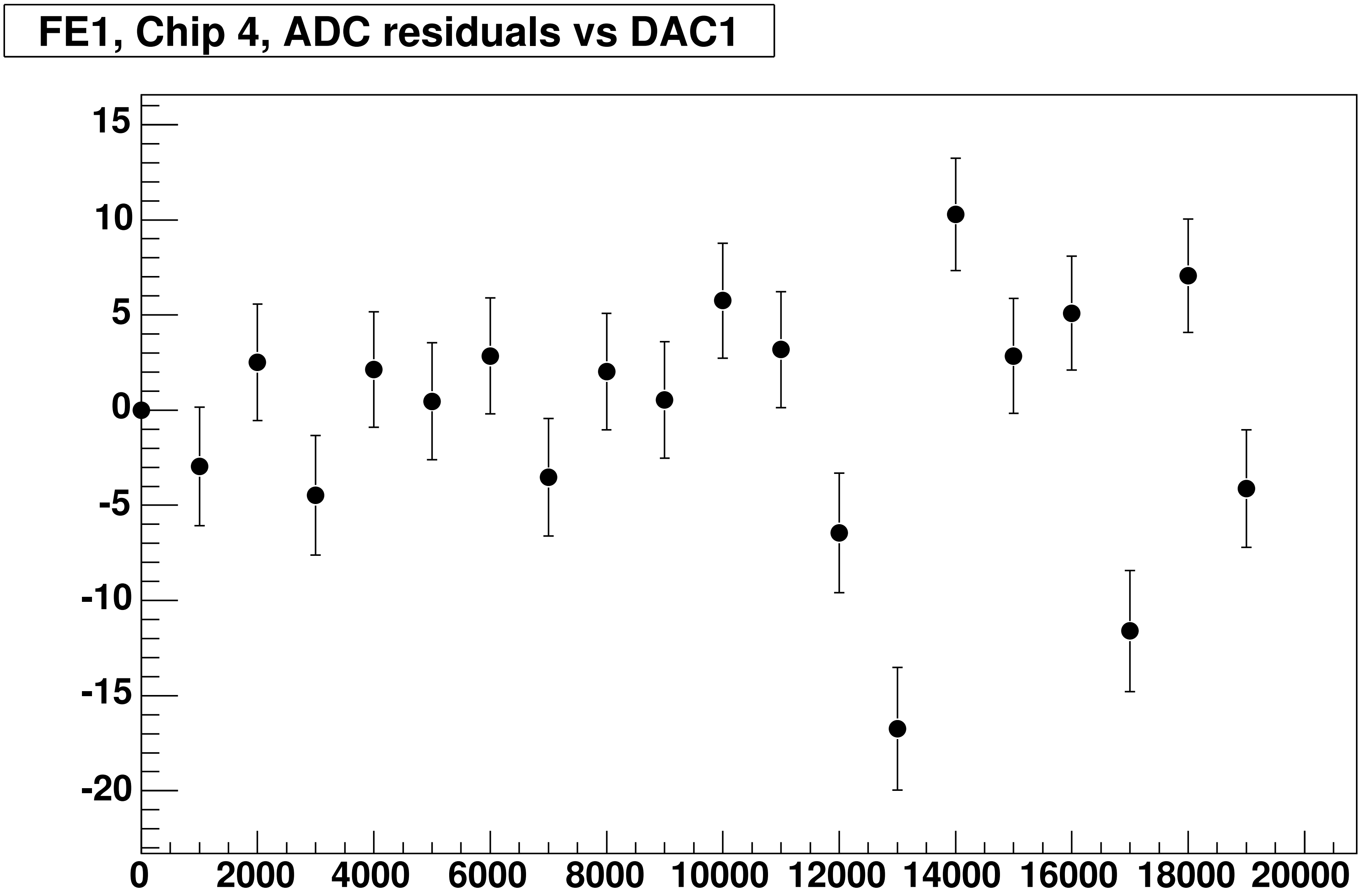
FE1, Chip 4, ADC noise vs DAC0
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

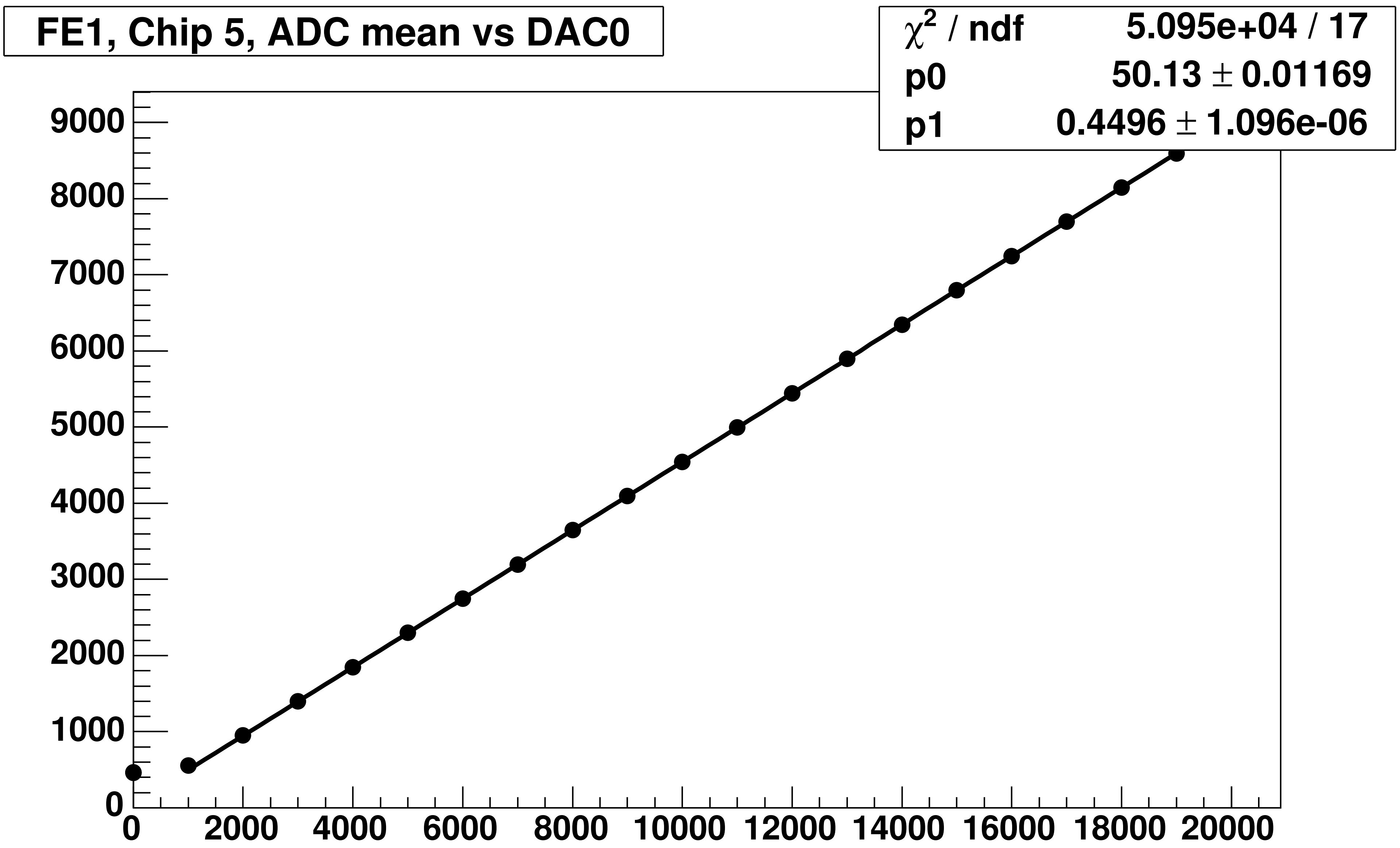

FE1, Chip 4, ADC residuals vs DAC0
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

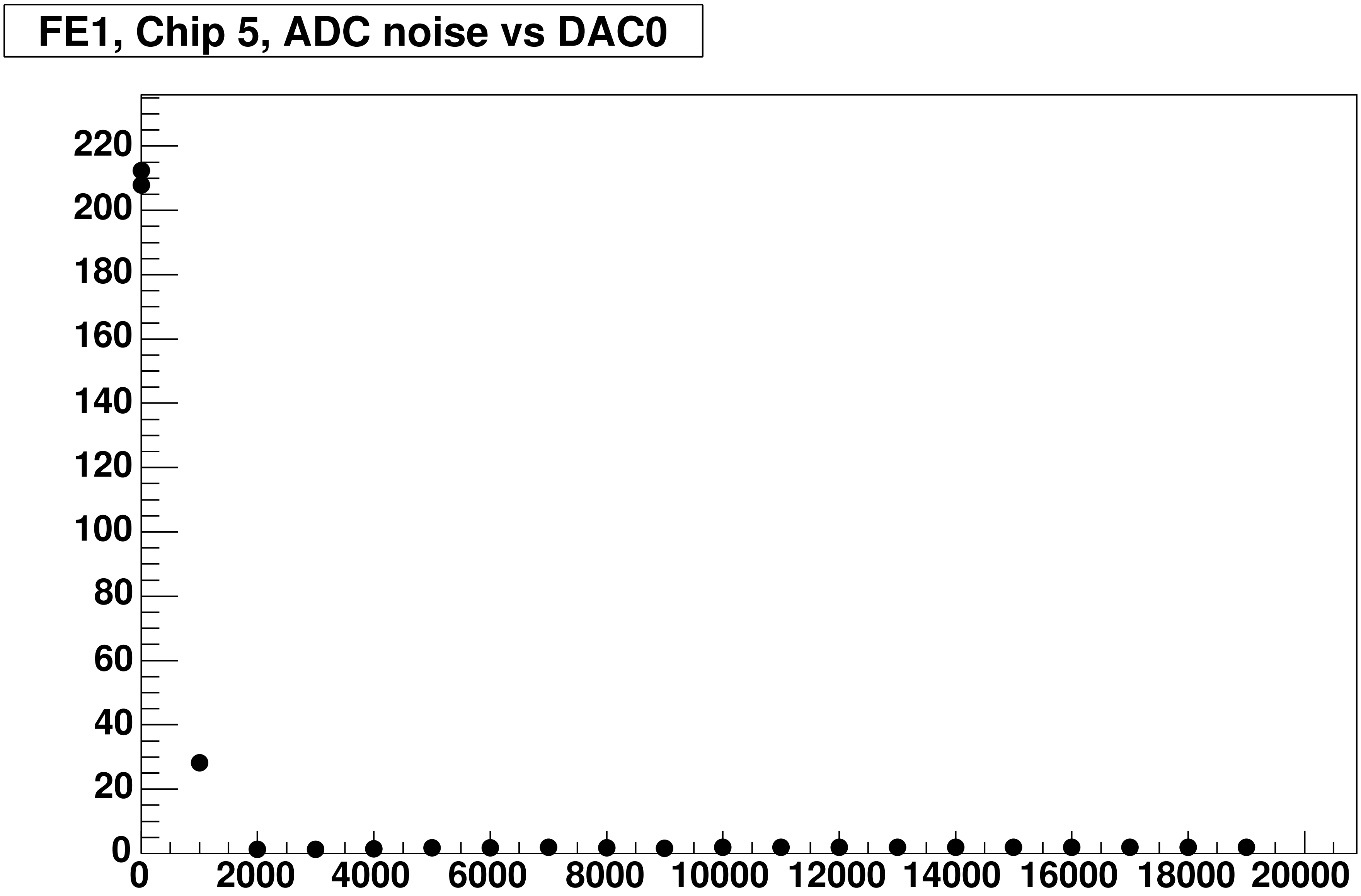


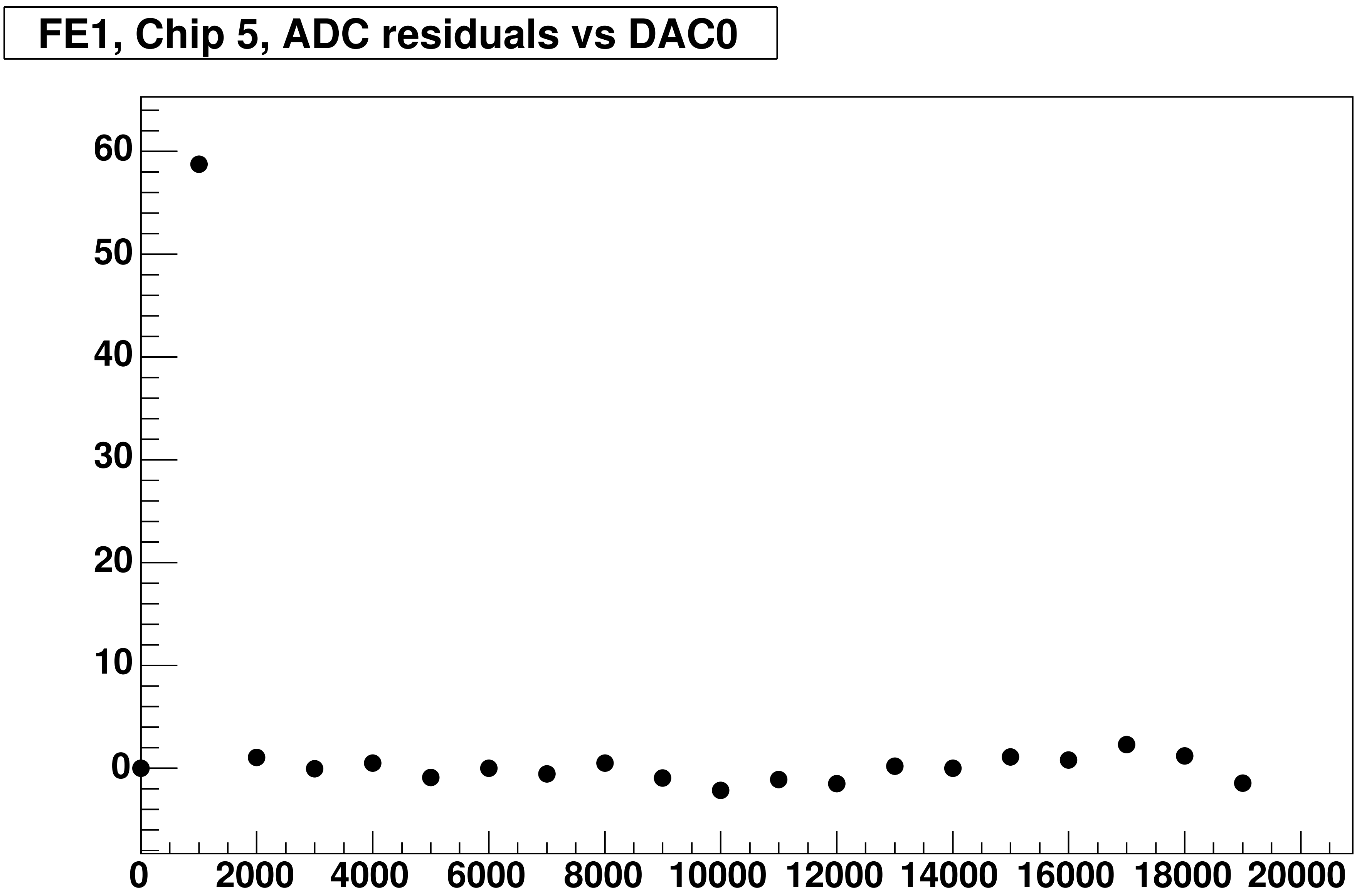
FE1, Chip 4, ADC mean vs DAC1
χ^2 / ndf 79.34 / 17
p0 461 ± 1.47
p1 0.000168 ± 0.0001286
475
470
465
460
455
450
445
440
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

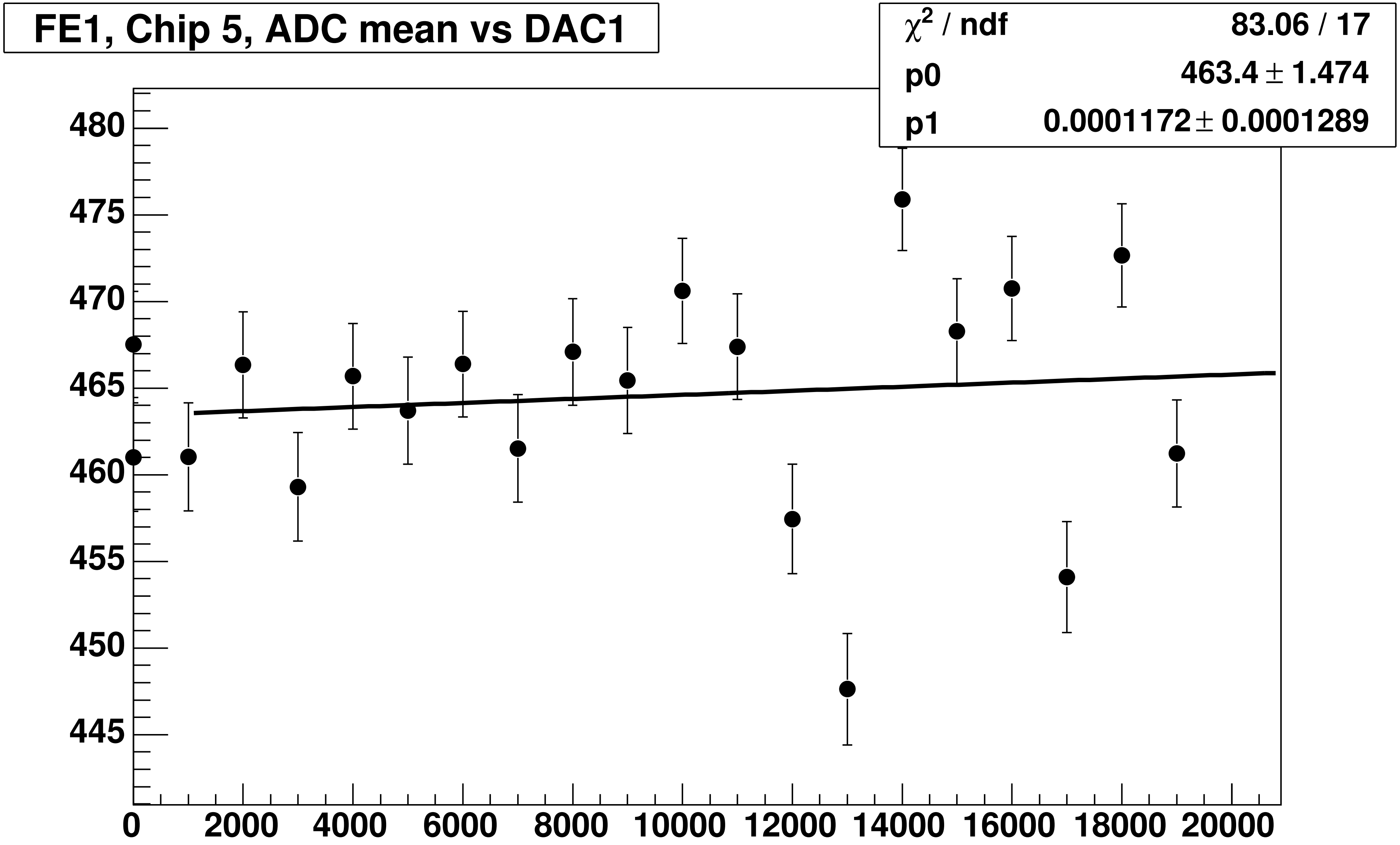

FE1, Chip 4, ADC noise vs DAC1
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

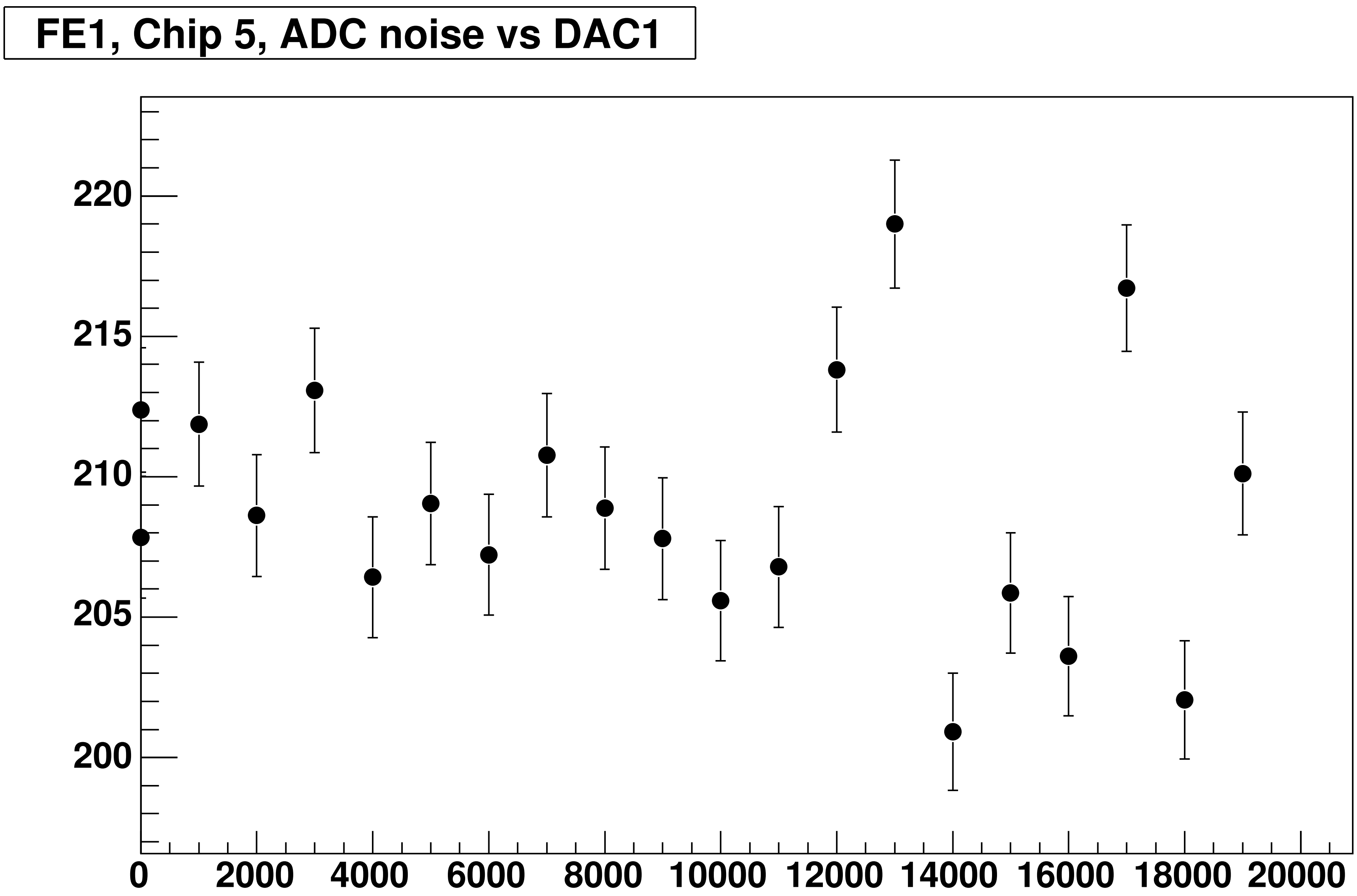

FE1, Chip 4, ADC residuals vs DAC1
15
10
5
0
-5
-10
-15
-20
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

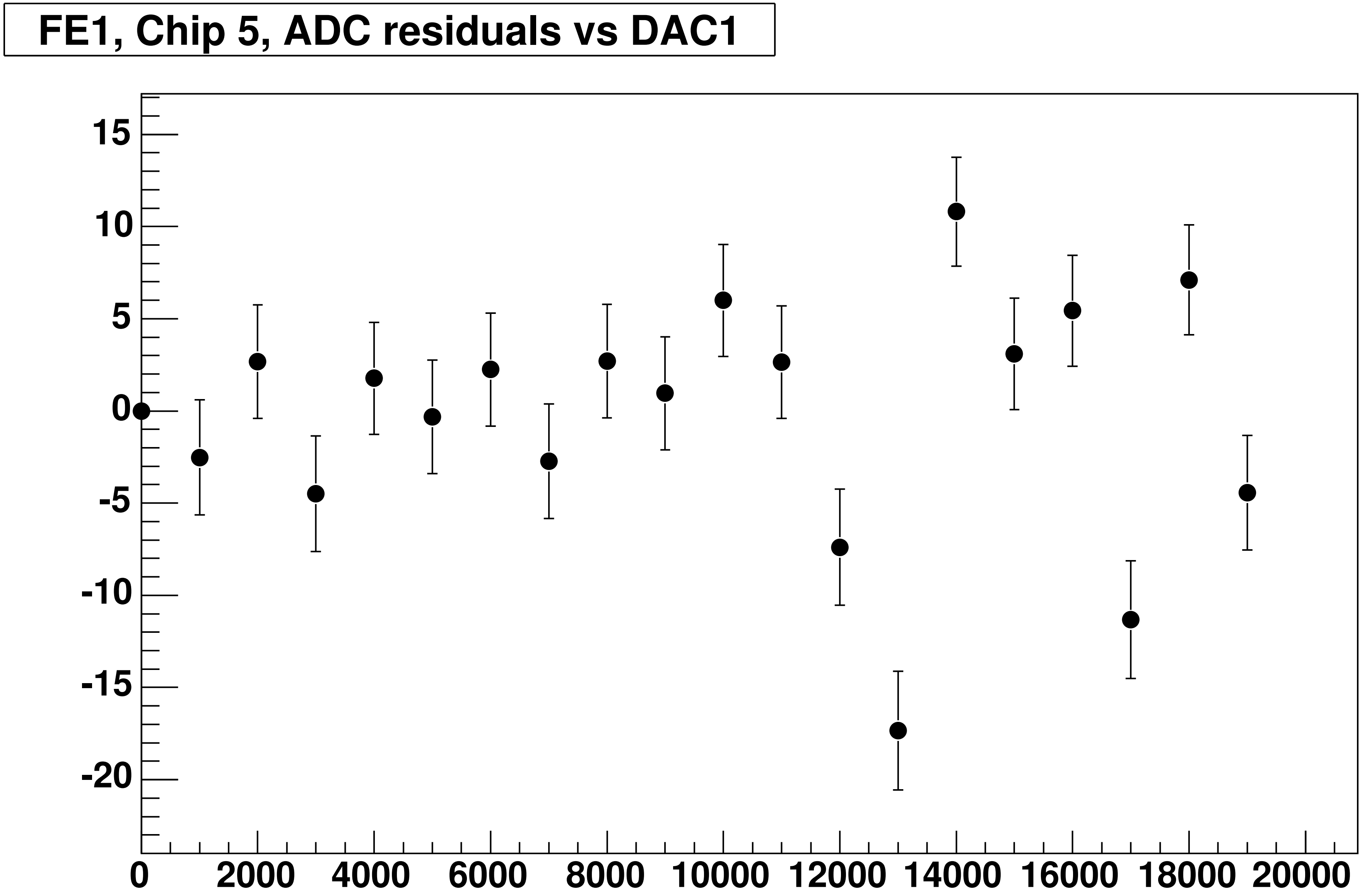

FE1, Chip 5, ADC mean vs DAC0
χ^2 / ndf 5.095e+04 / 17
p0 50.13 ± 0.01169
p1 0.4496 ± 1.096e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 5, ADC noise vs DAC0
0
20
40
60
80
100
120
140
160
180
200
220
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

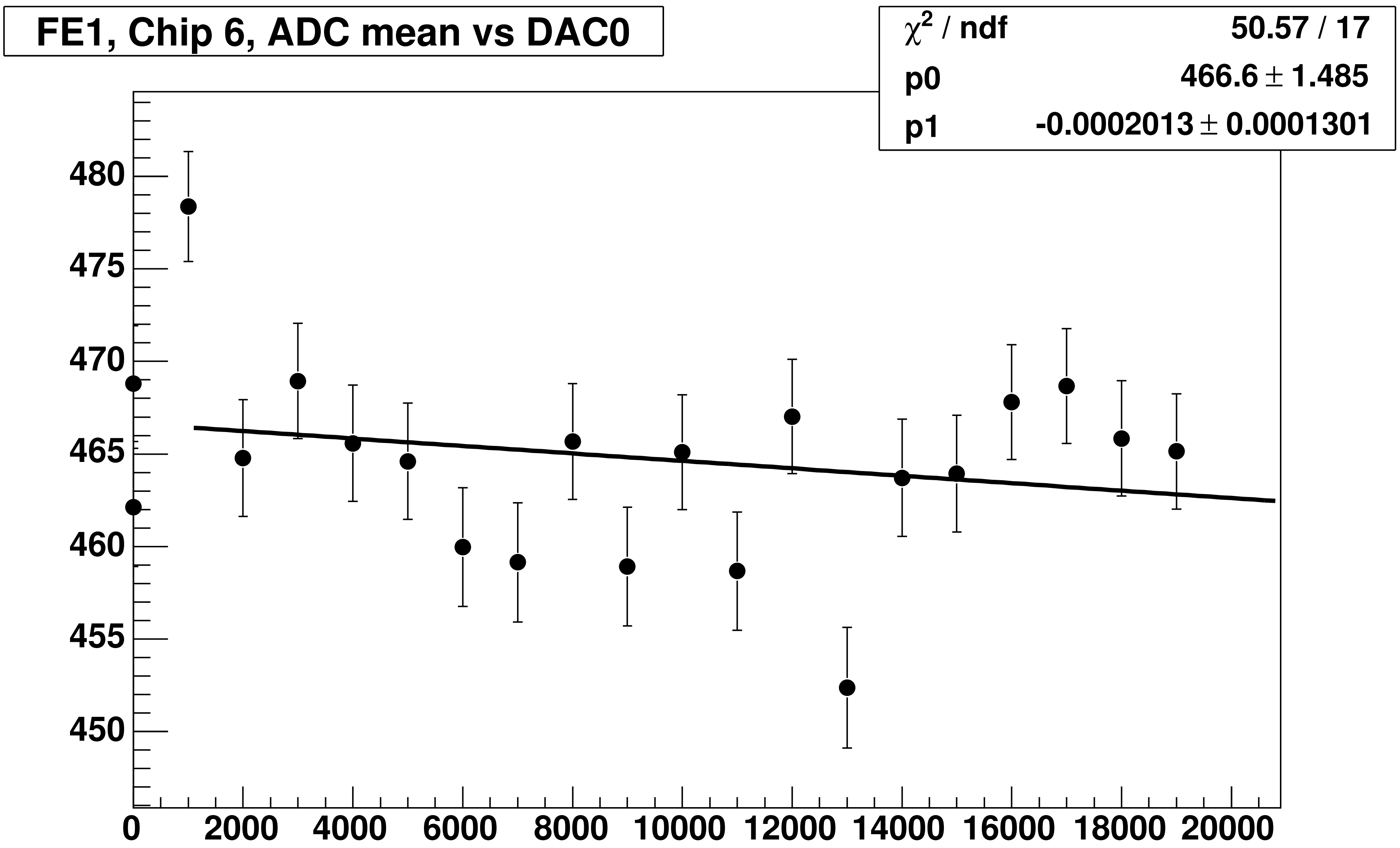

FE1, Chip 5, ADC residuals vs DAC0
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

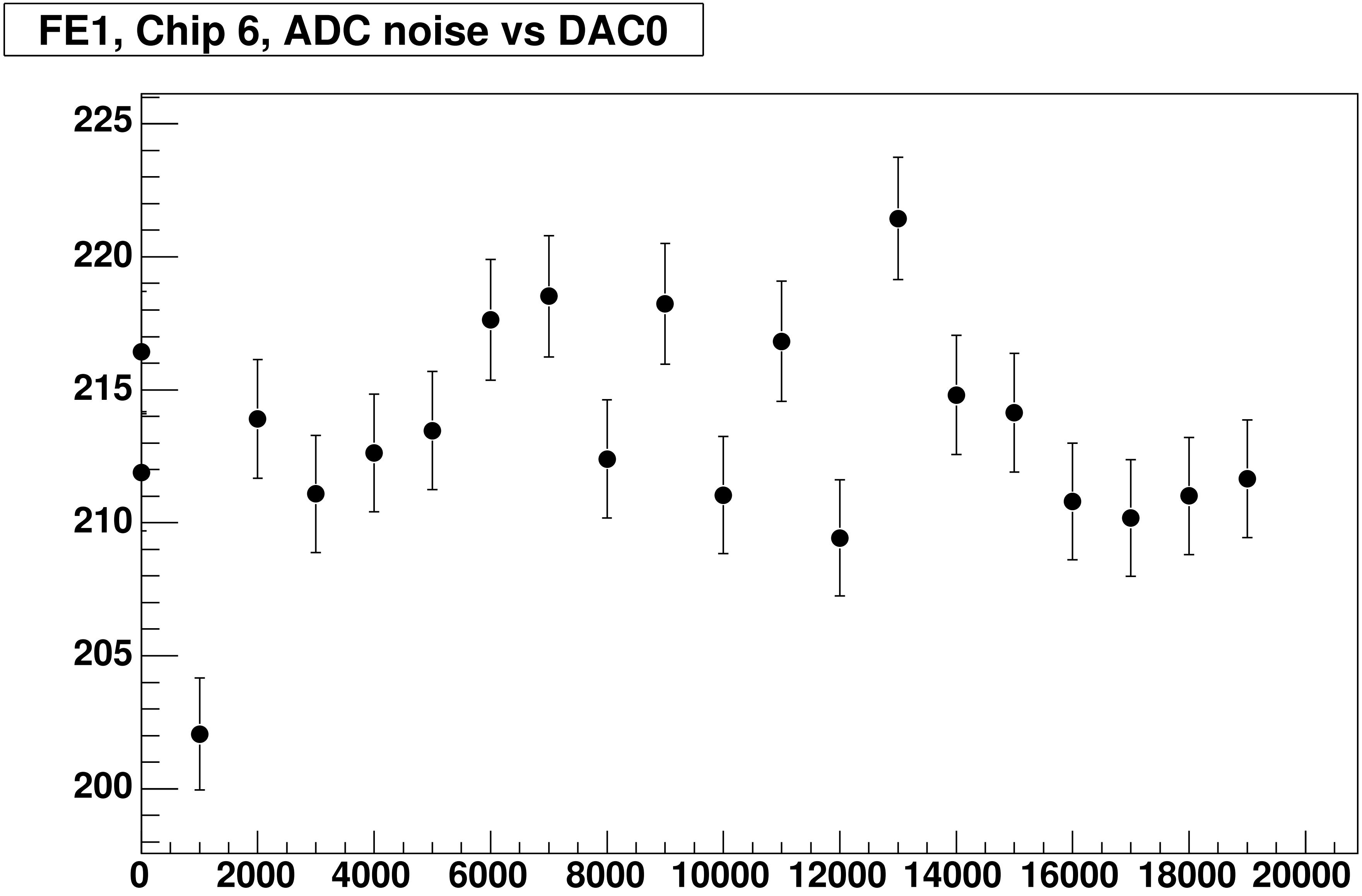

FE1, Chip 5, ADC mean vs DAC1
χ2 / ndf 83.06 / 17
p0 463.4 ± 1.474
p1 0.0001172 ± 0.0001289
480
475
470
465
460
455
450
445
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

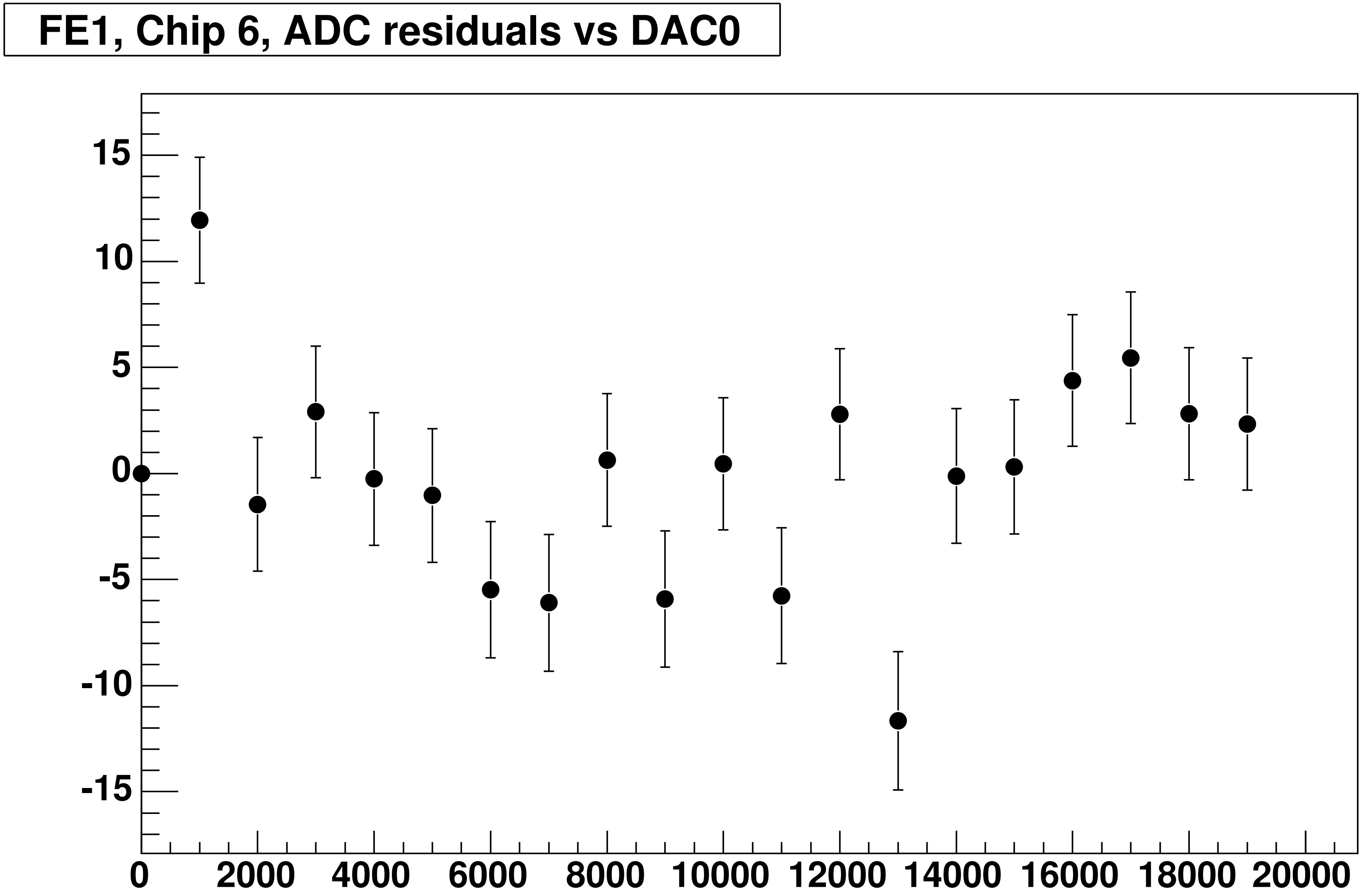

FE1, Chip 5, ADC noise vs DAC1
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

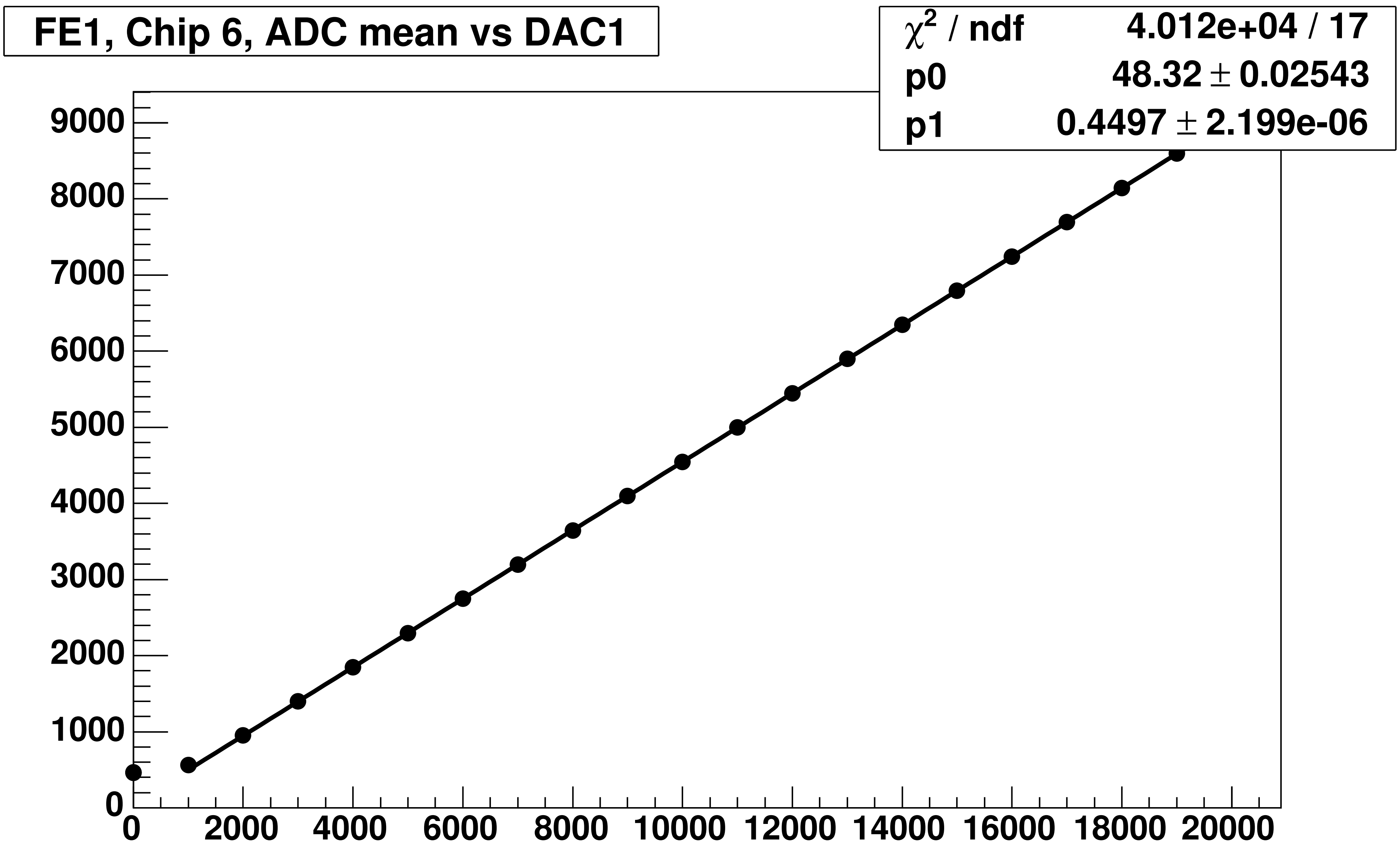


FE1, Chip 5, ADC residuals vs DAC1
15
10
5
0
-5
-10
-15
-20
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 6, ADC mean vs DAC0
χ^2 / ndf 50.57 / 17
p0 466.6 ± 1.485
p1 -0.0002013 ± 0.0001301
480
475
470
465
460
455
450
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 6, ADC noise vs DAC0
225
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 6, ADC residuals vs DAC0
15
10
5
0
-5
-10
-15
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 6, ADC mean vs DAC1
χ^2 / ndf 4.012e+04 / 17
p0 48.32 ± 0.02543
p1 0.4497 ± 2.199e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
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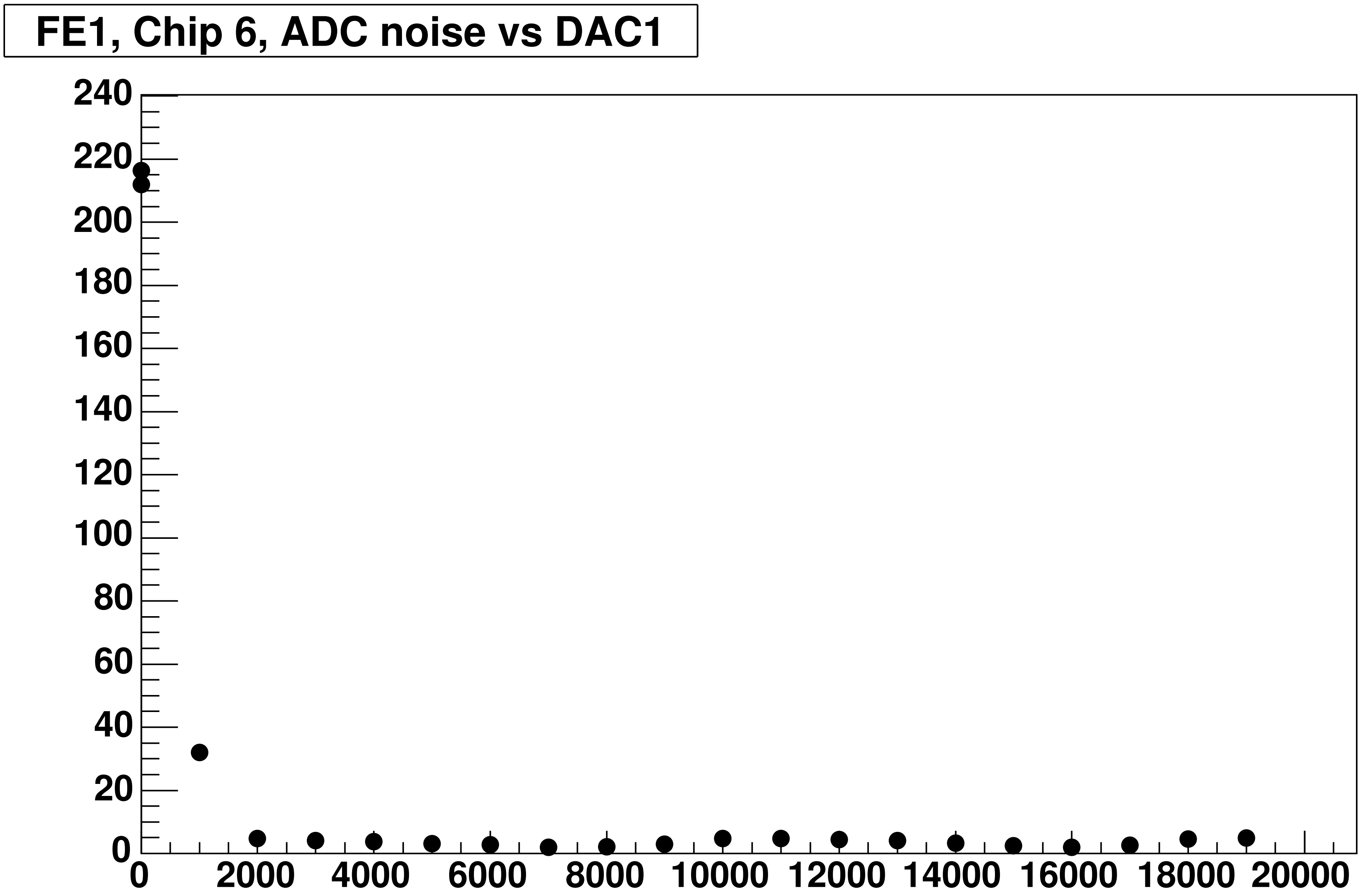
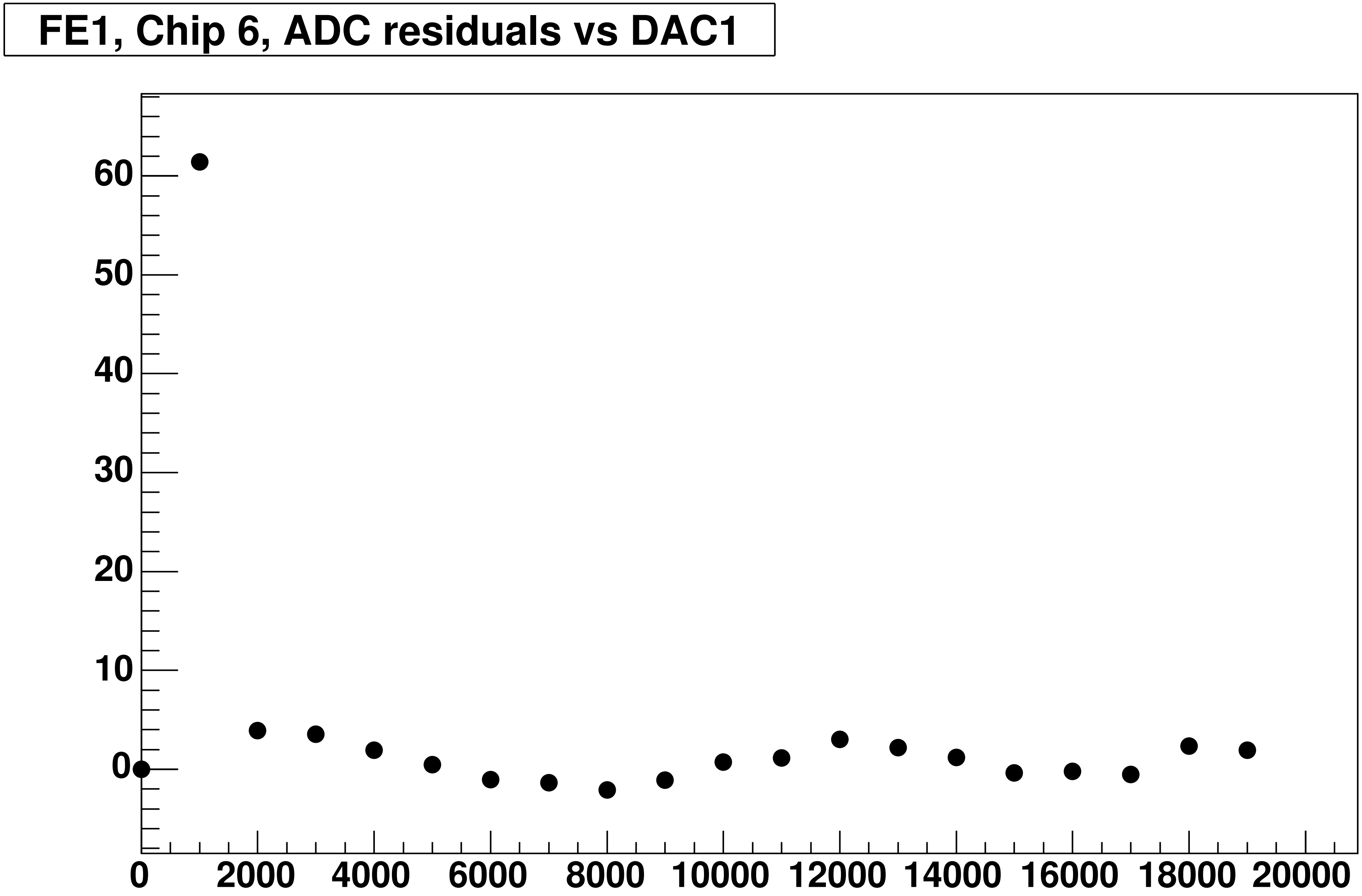
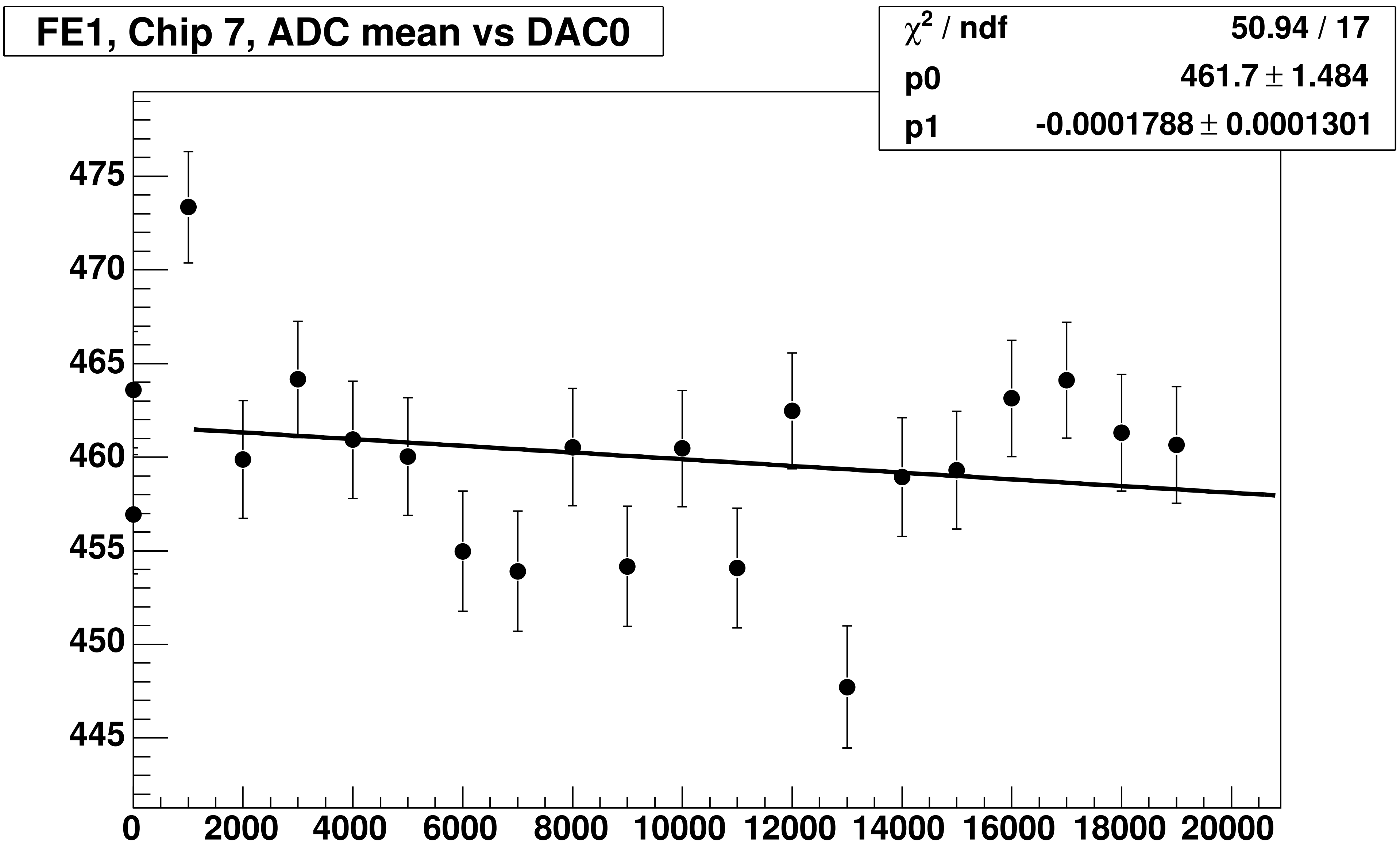
18000
20000


FE1, Chip 6, ADC noise vs DAC1
240
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 6, ADC residuals vs DAC1
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 7, ADC mean vs DAC0
χ^2 / ndf 50.94 / 17
p0 461.7 ± 1.484
p1 -0.0001788 ± 0.0001301
475
470
465
460
455
450
445
0
2000
4000
6000
8000
10000
12000
14000
16000
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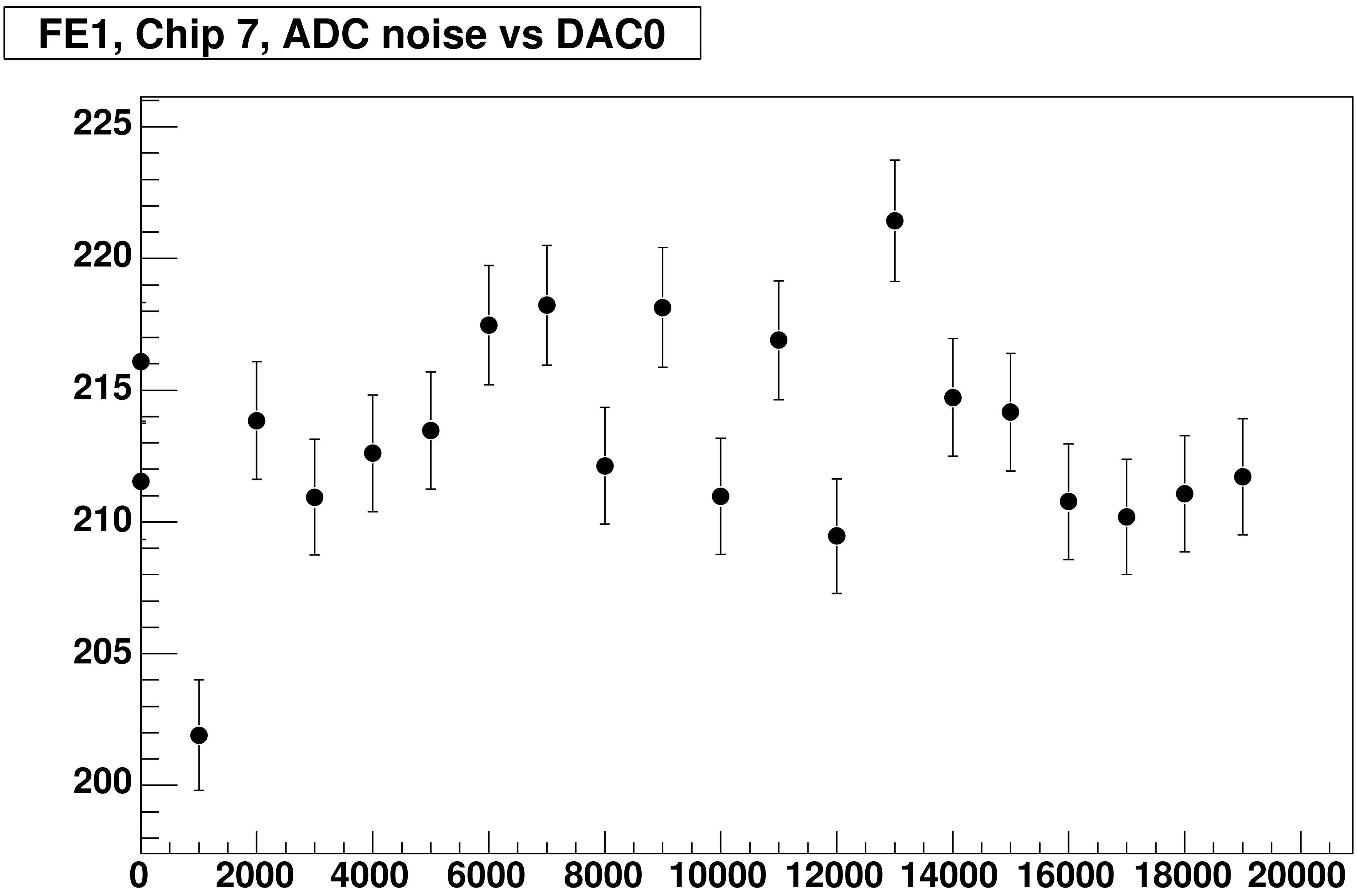
20000



FE1, Chip 7, ADC noise vs DAC0
225
220
215
210
205
200
0
2000
4000
6000
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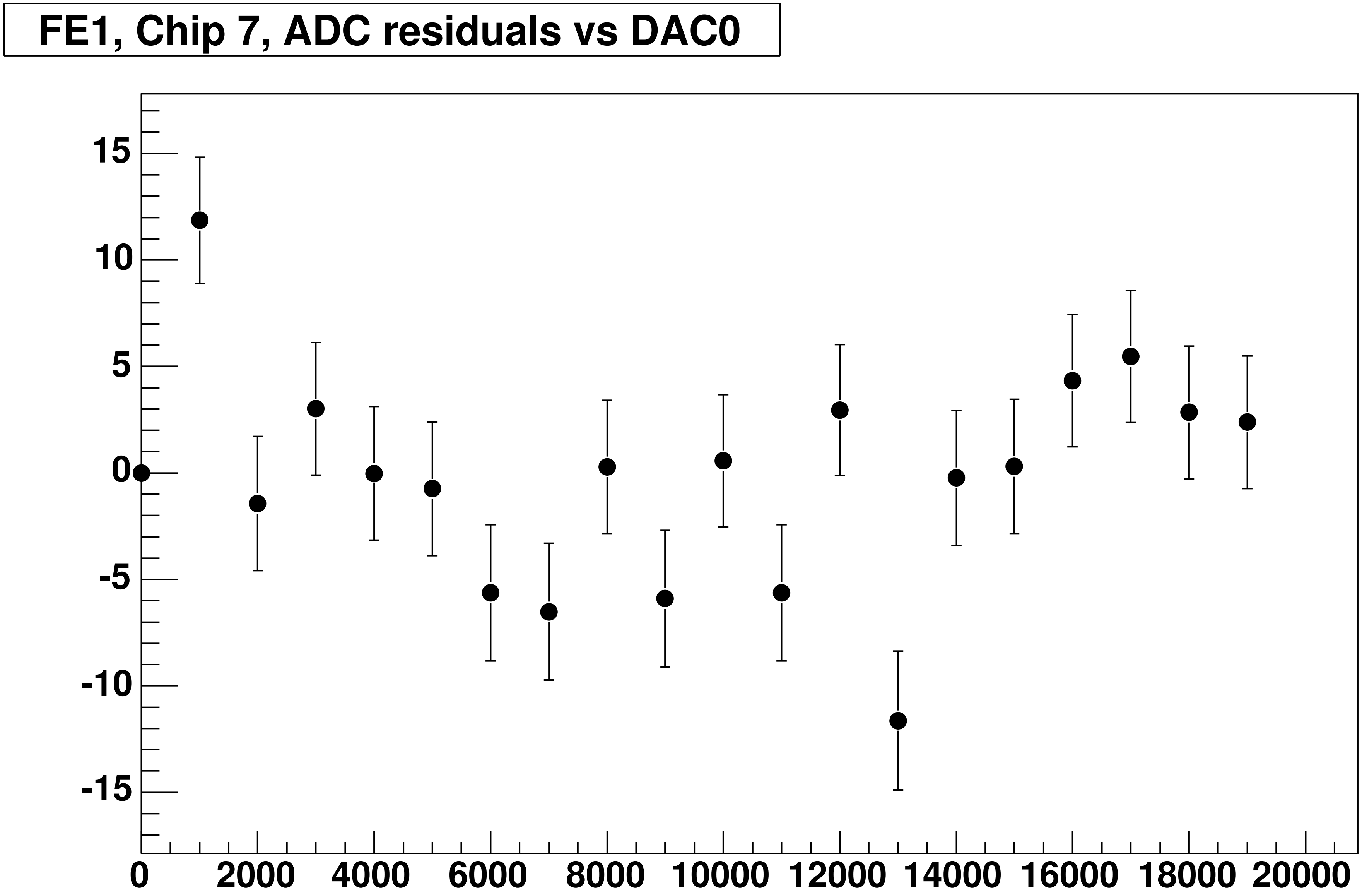
10000
12000
14000
16000
18000
20000



FE1, Chip 7, ADC residuals vs DAC0
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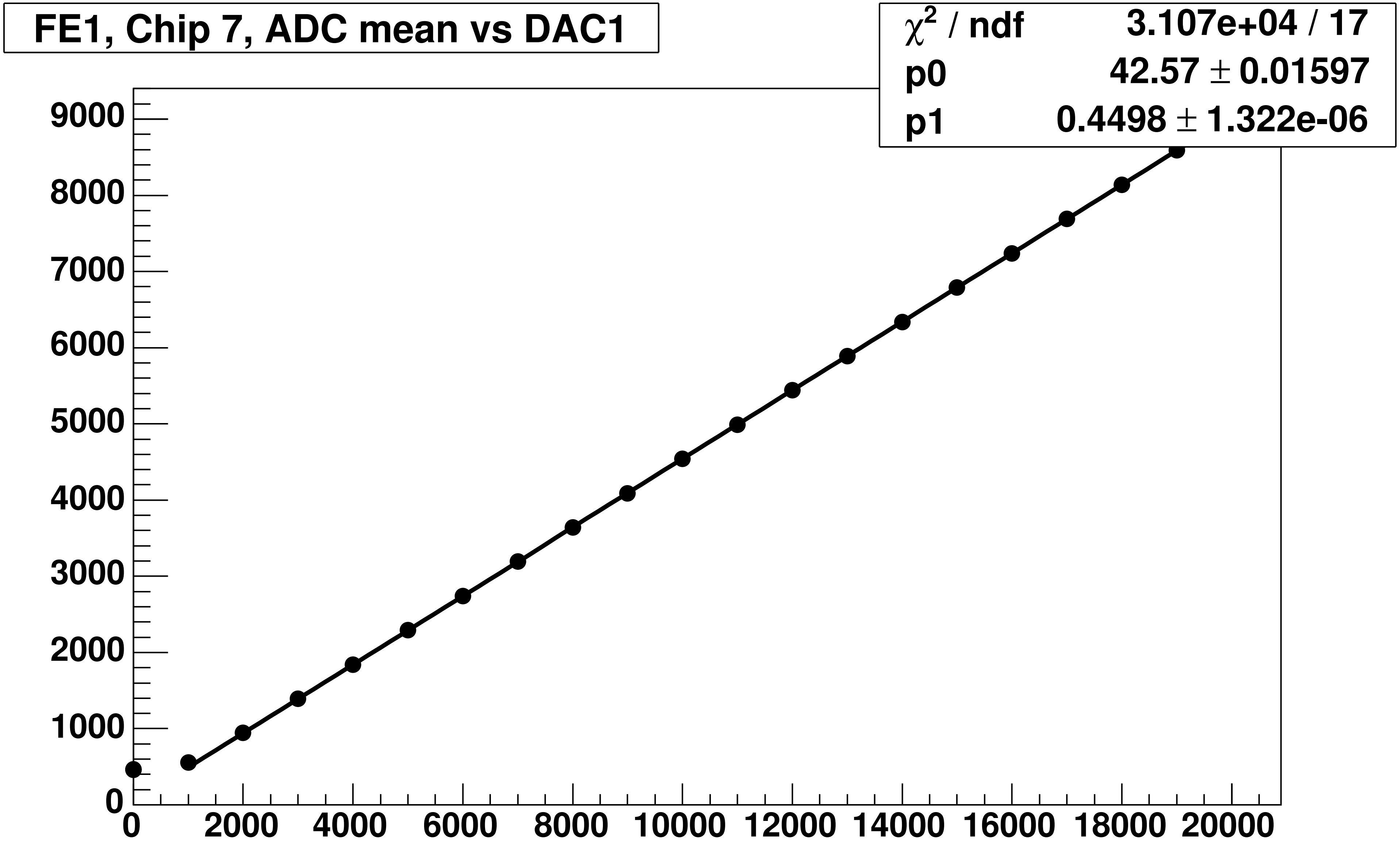
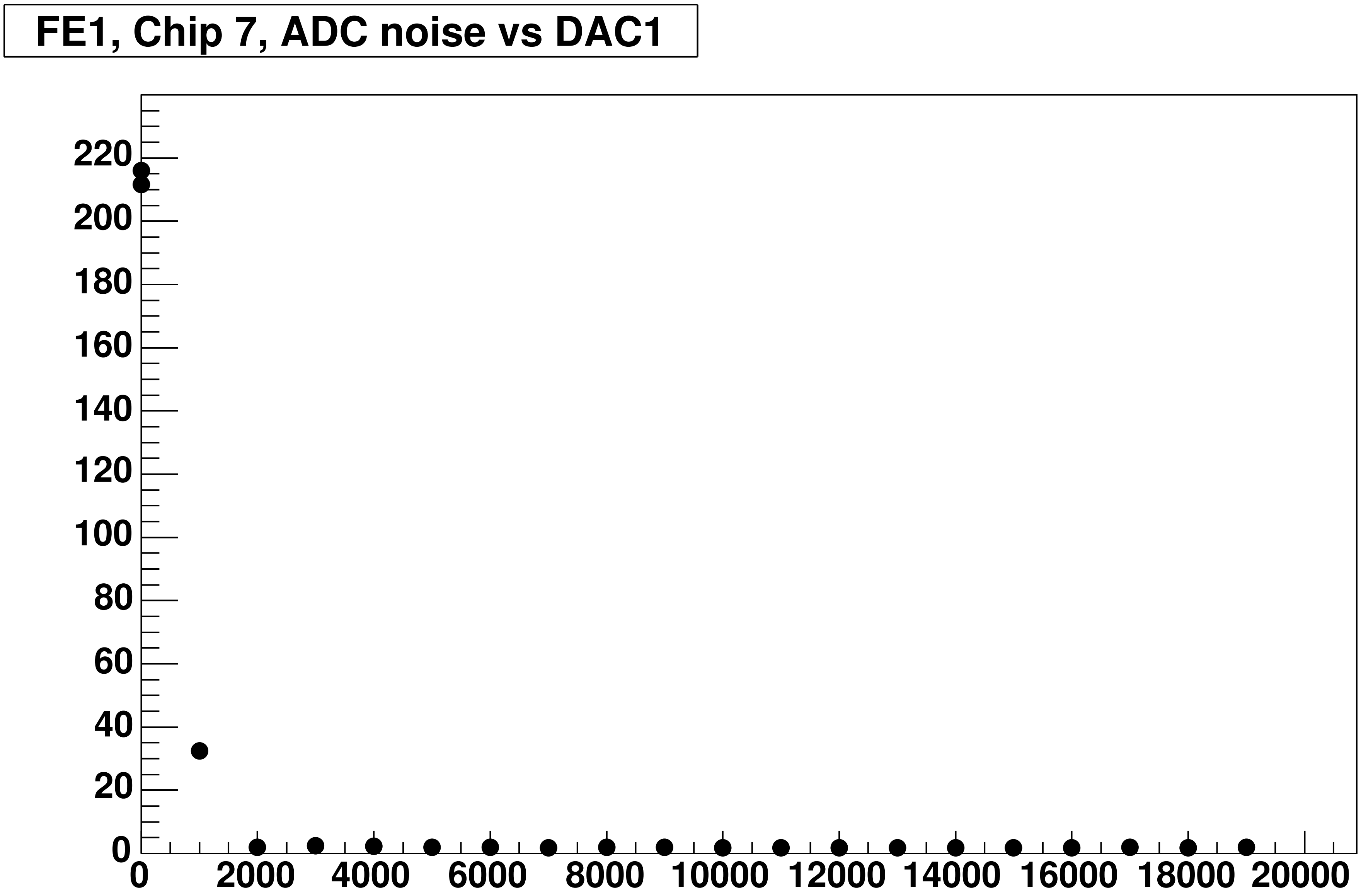
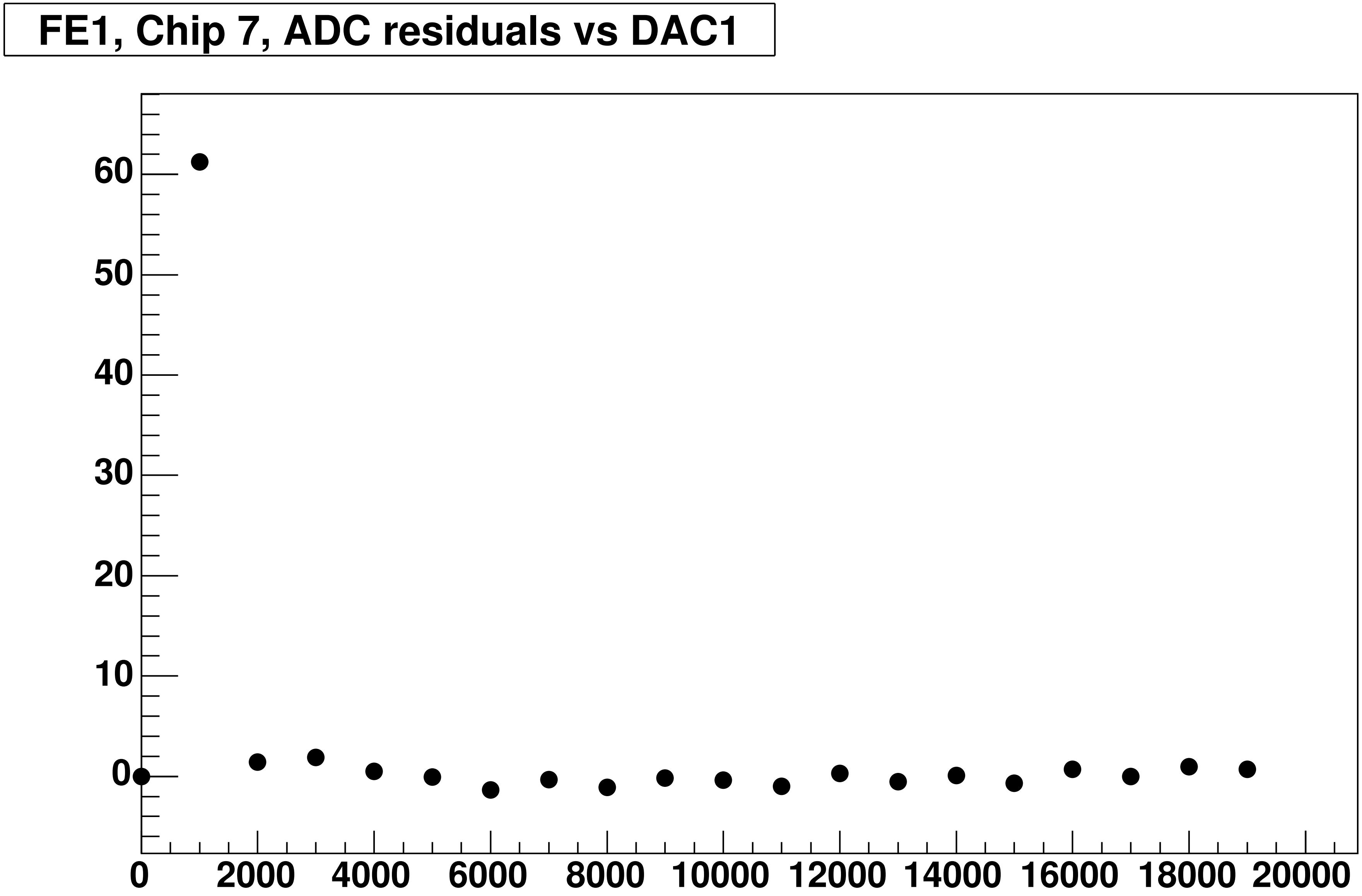
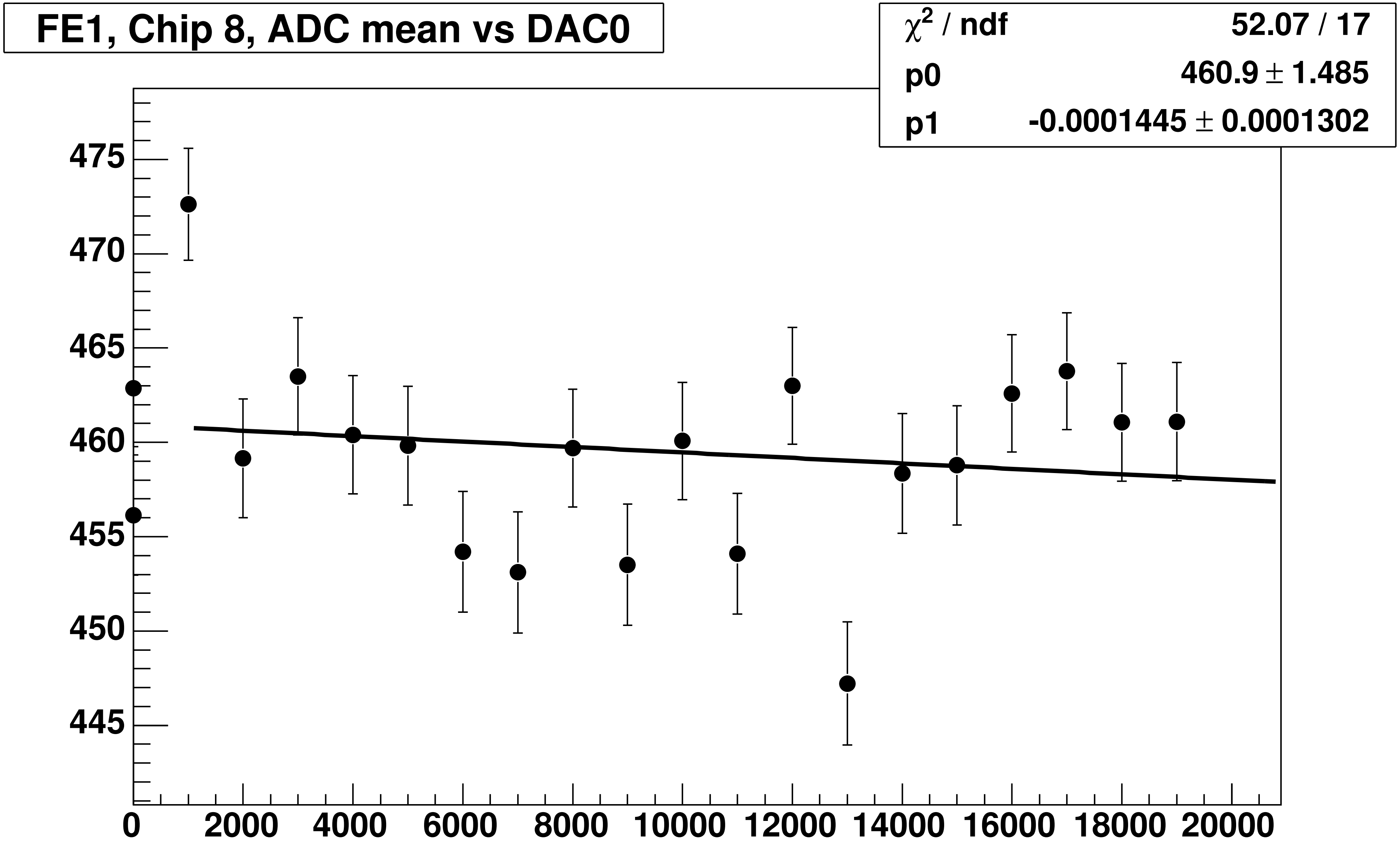
10
5
0
-5
-10
-15
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



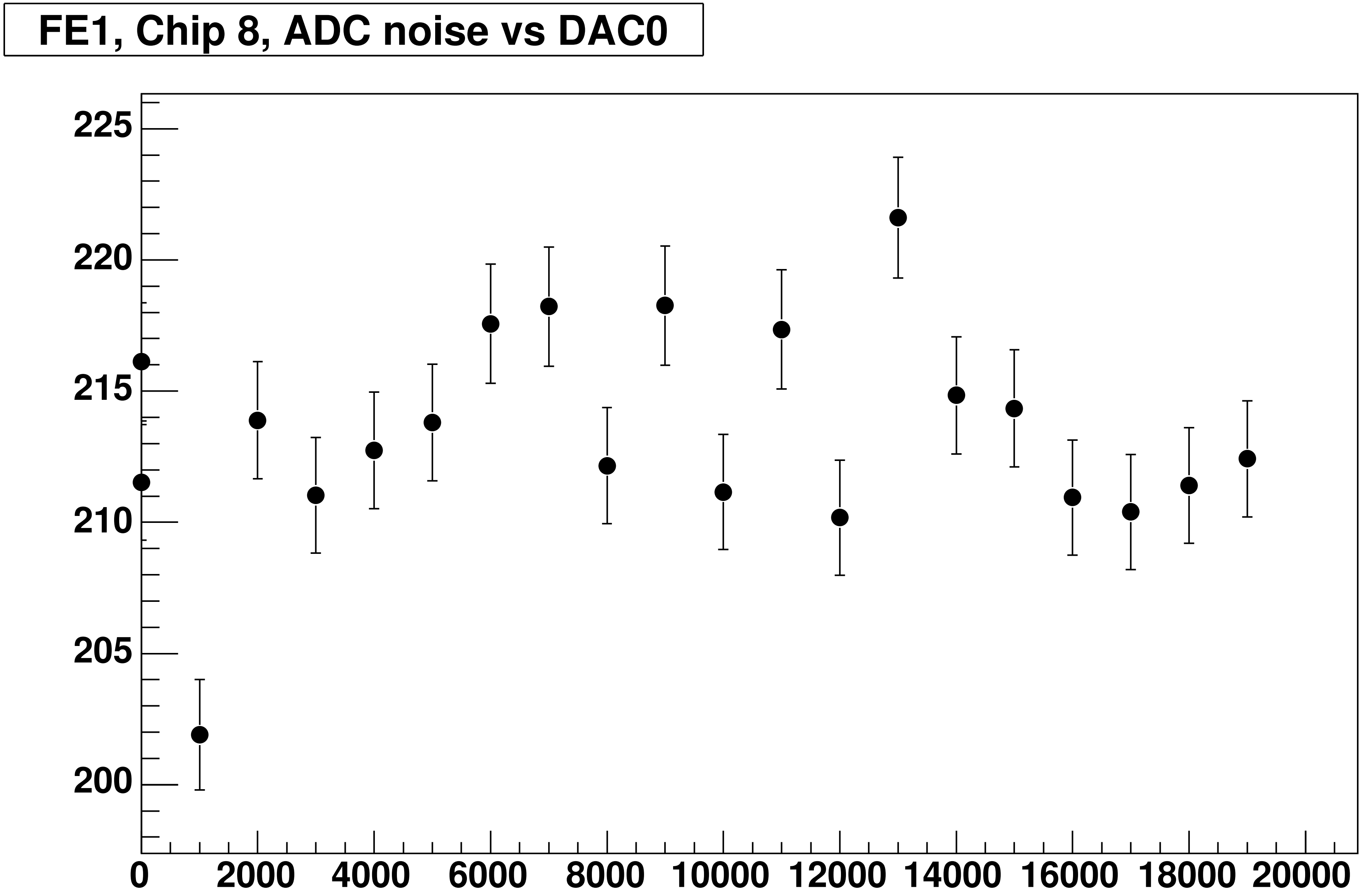
FE1, Chip 7, ADC mean vs DAC1
χ² / ndf 3.107e+04 / 17
p0 42.57 ± 0.01597
p1 0.4498 ± 1.322e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 7, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

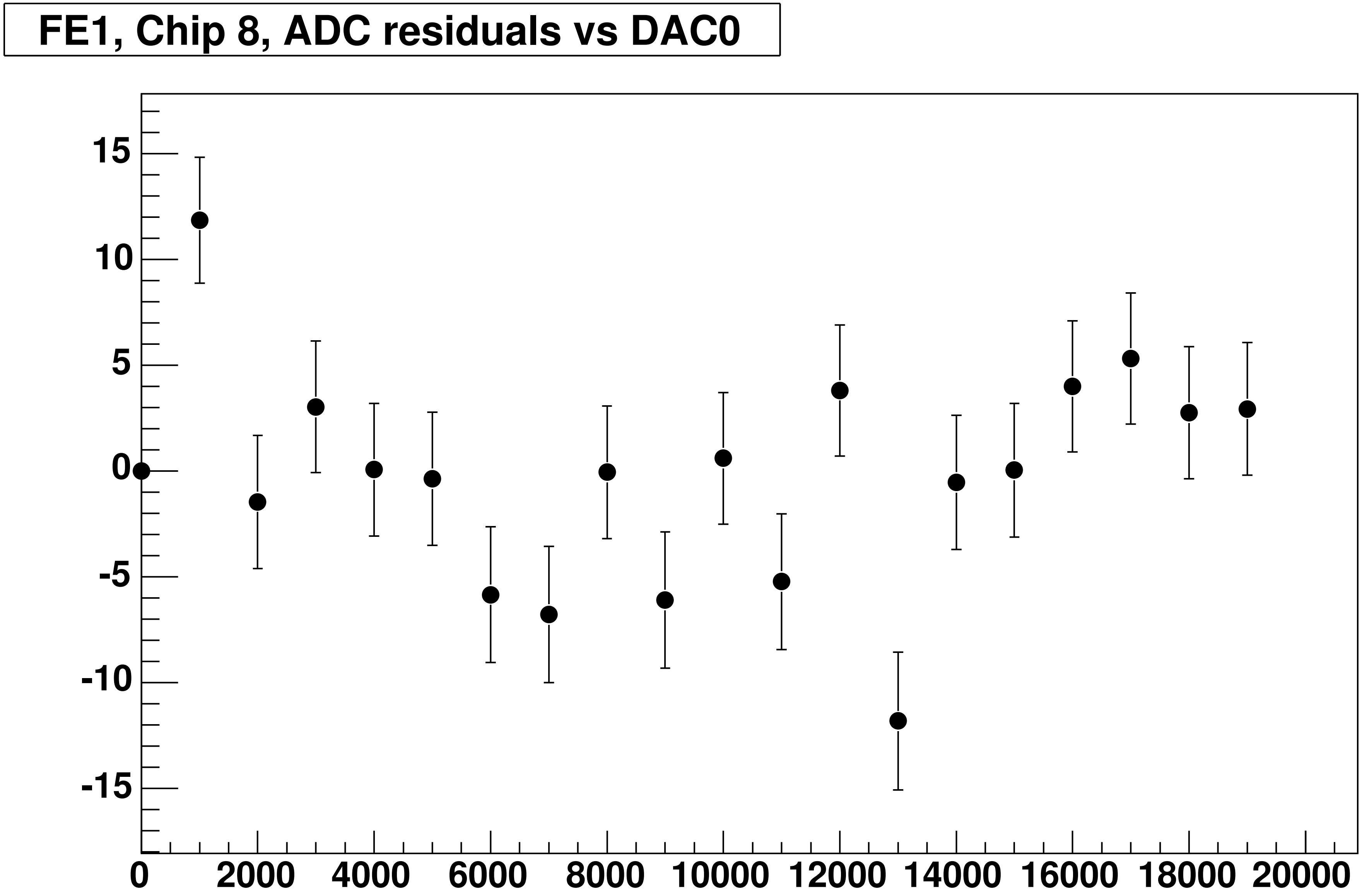

FE1, Chip 7, ADC residuals vs DAC1
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



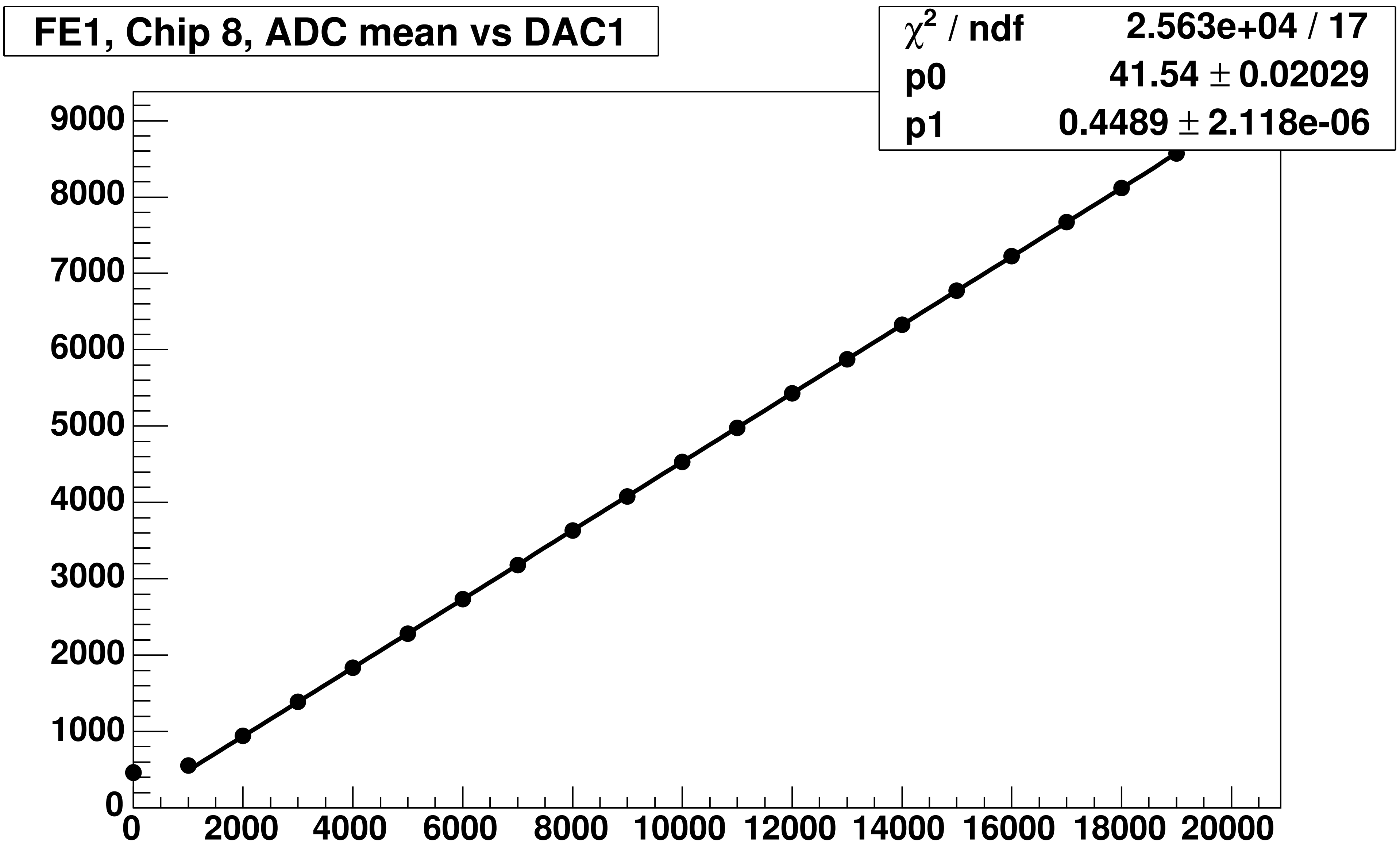
FE1, Chip 8, ADC mean vs DAC0
χ^2 / ndf 52.07 / 17
p0 460.9 ± 1.485
p1 -0.0001445 ± 0.0001302
475
470
465
460
455
450
445
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

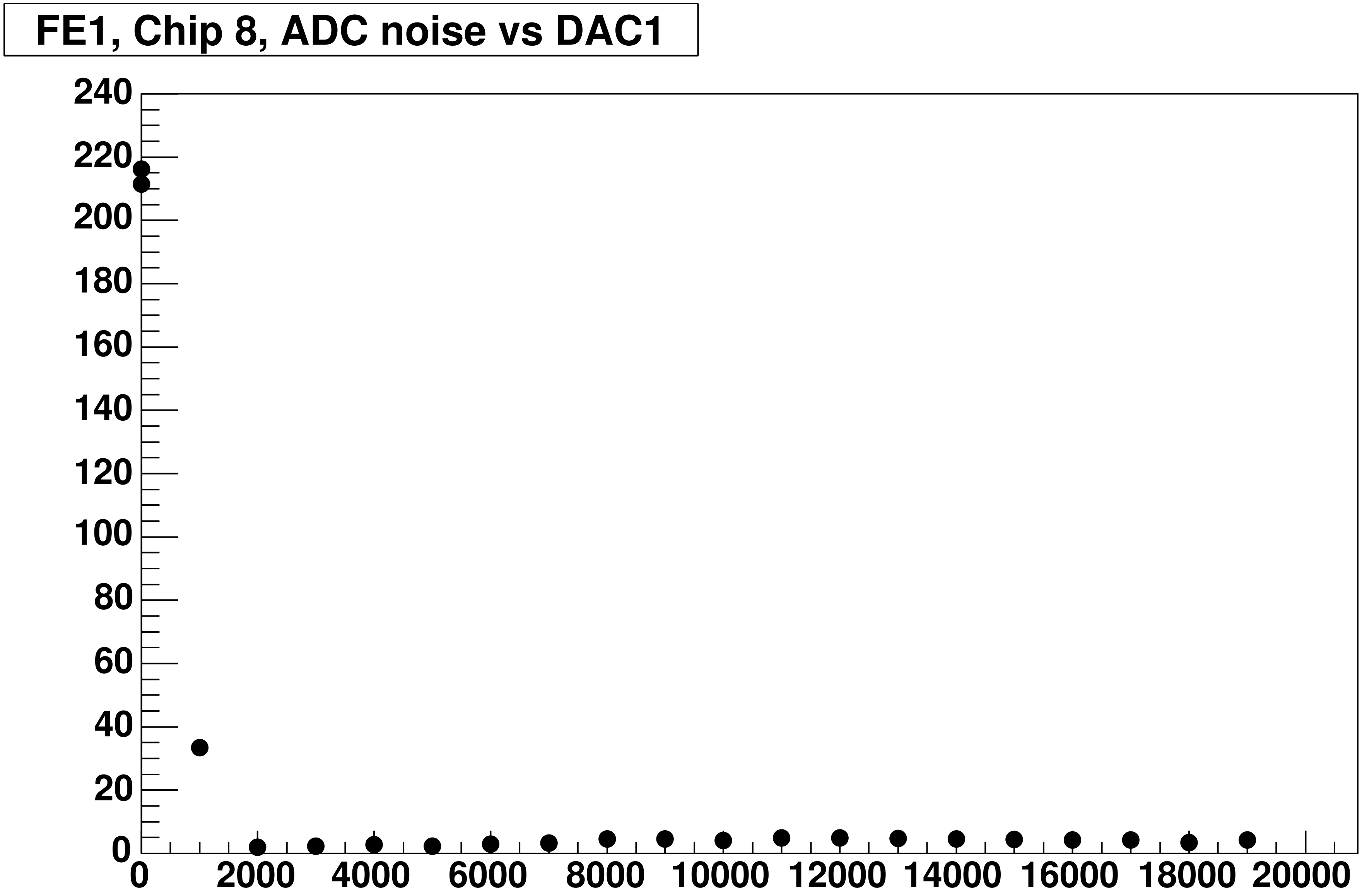


FE1, Chip 8, ADC noise vs DAC0
225
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

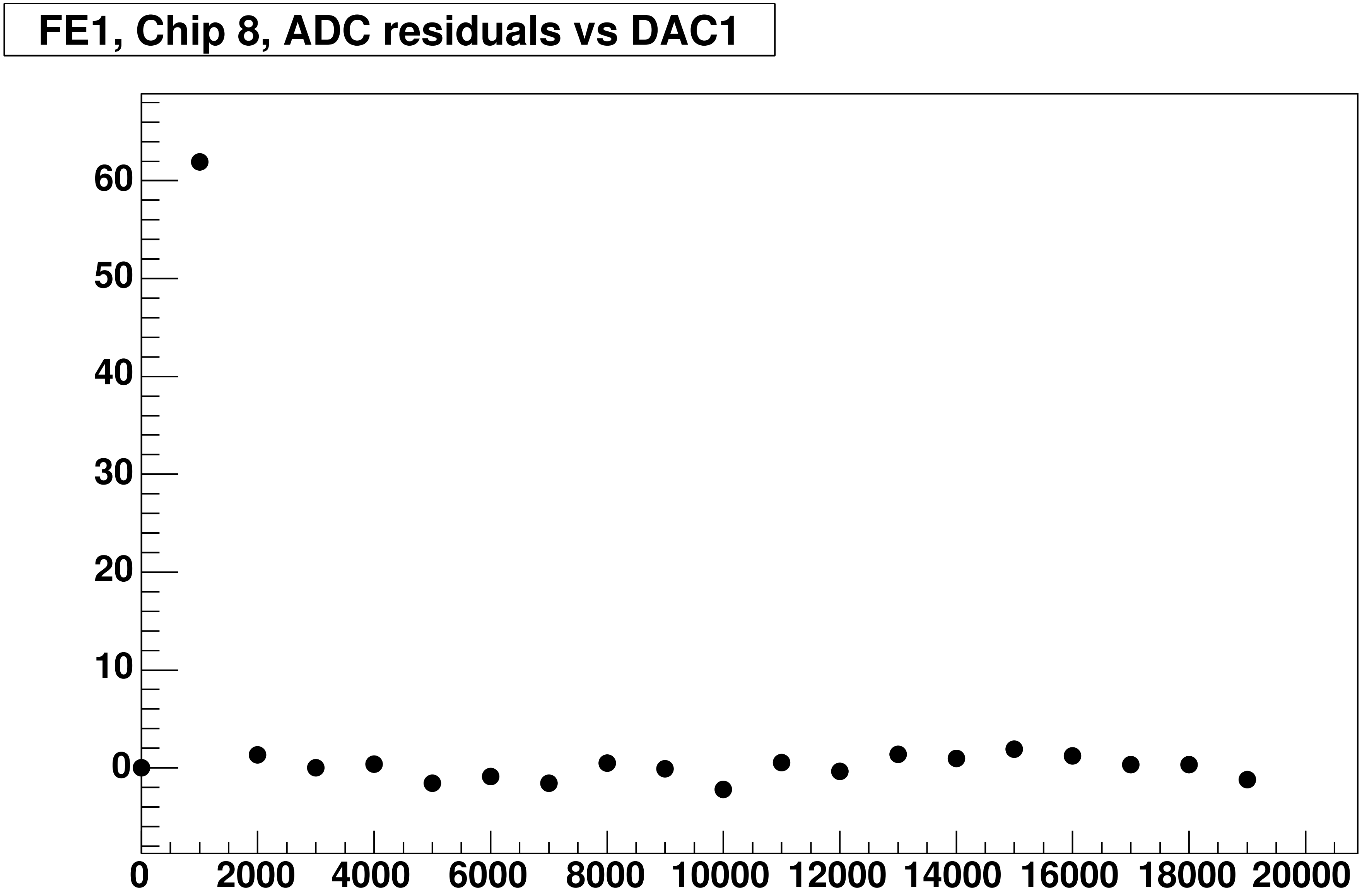


FE1, Chip 8, ADC residuals vs DAC0
15
10
5
0
-5
-10
-15
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

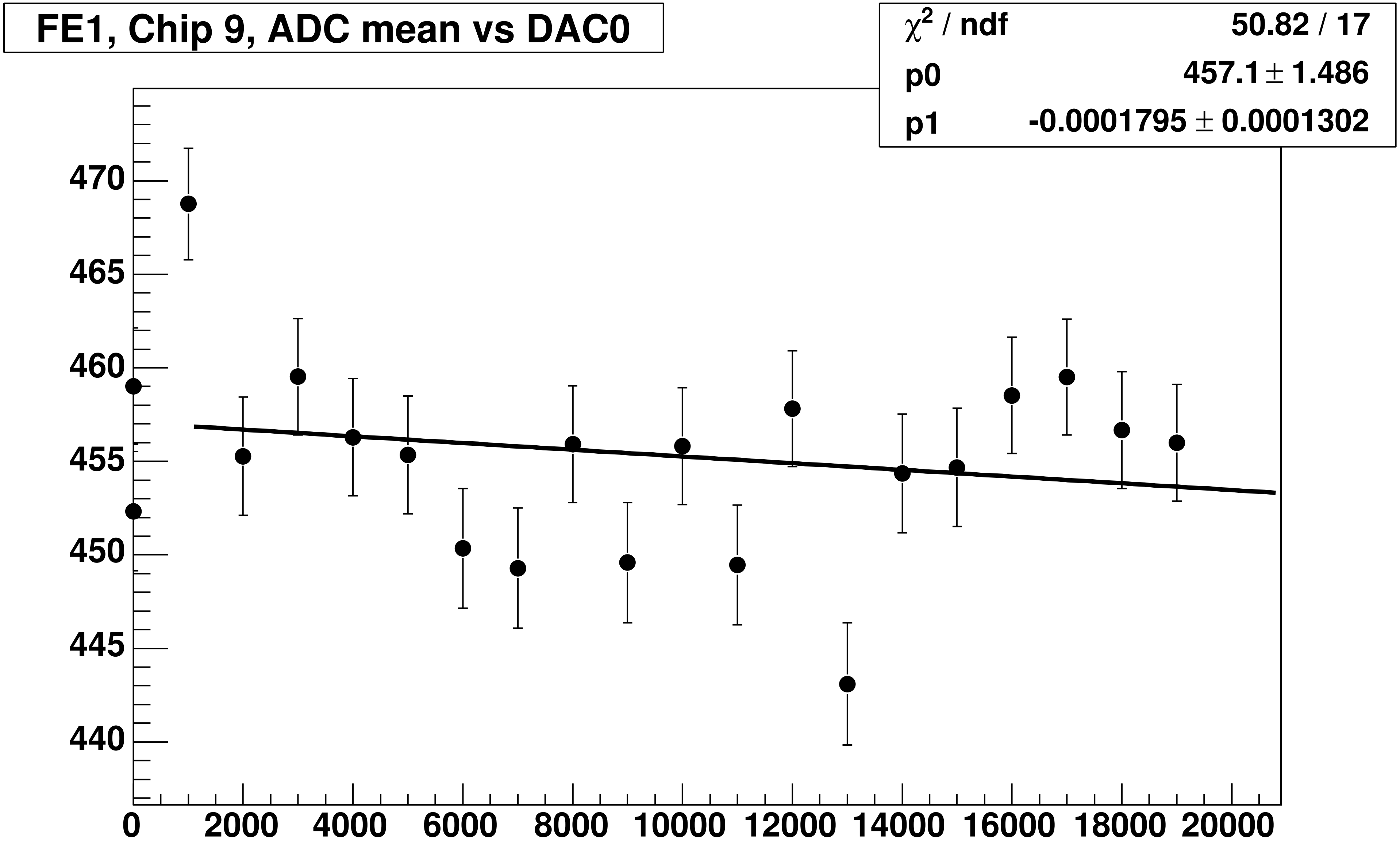

FE1, Chip 8, ADC mean vs DAC1
χ^2 / ndf 2.563e+04 / 17
p0 41.54 ± 0.02029
p1 0.4489 ± 2.118e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



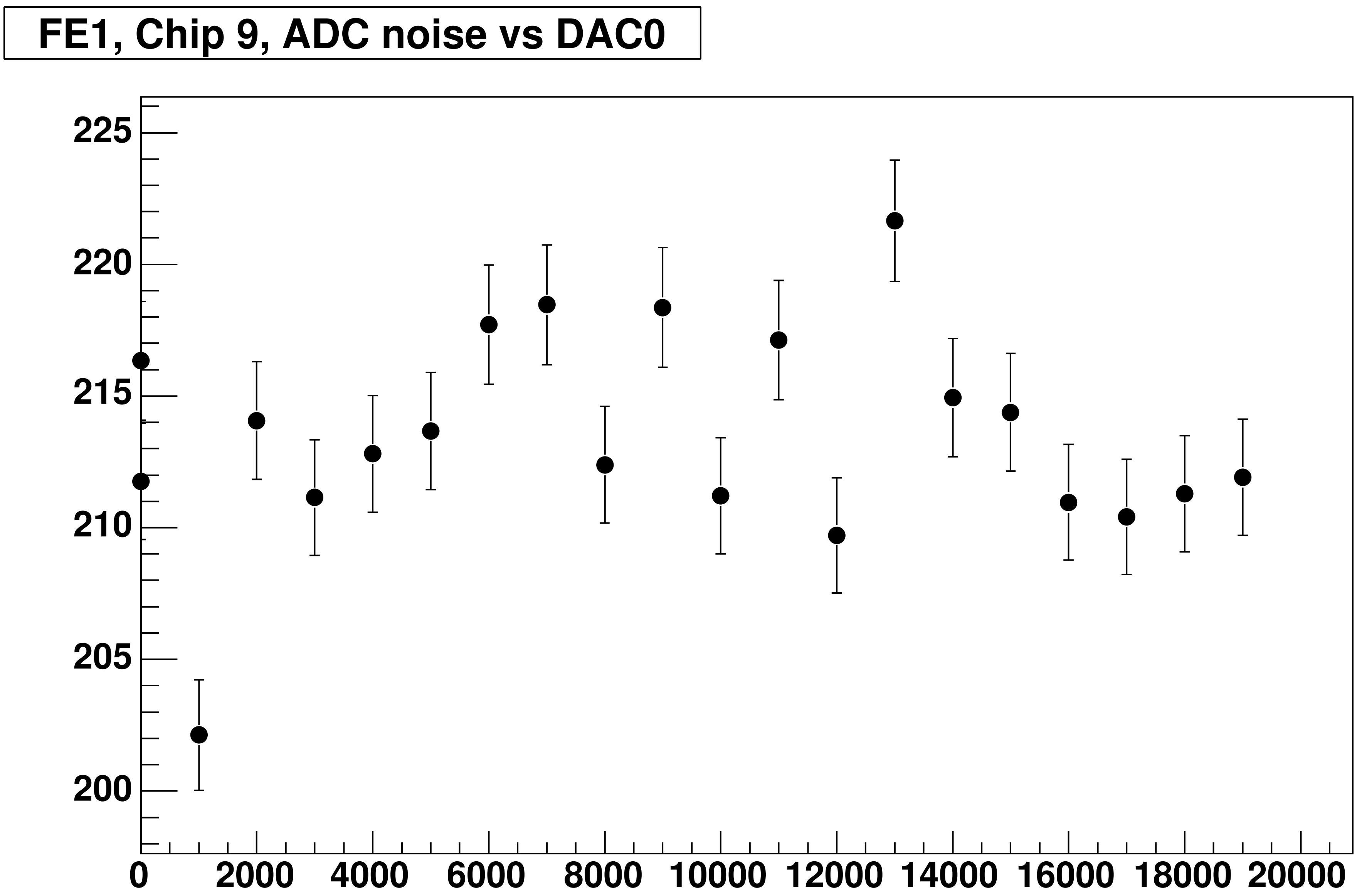
FE1, Chip 8, ADC noise vs DAC1
240
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

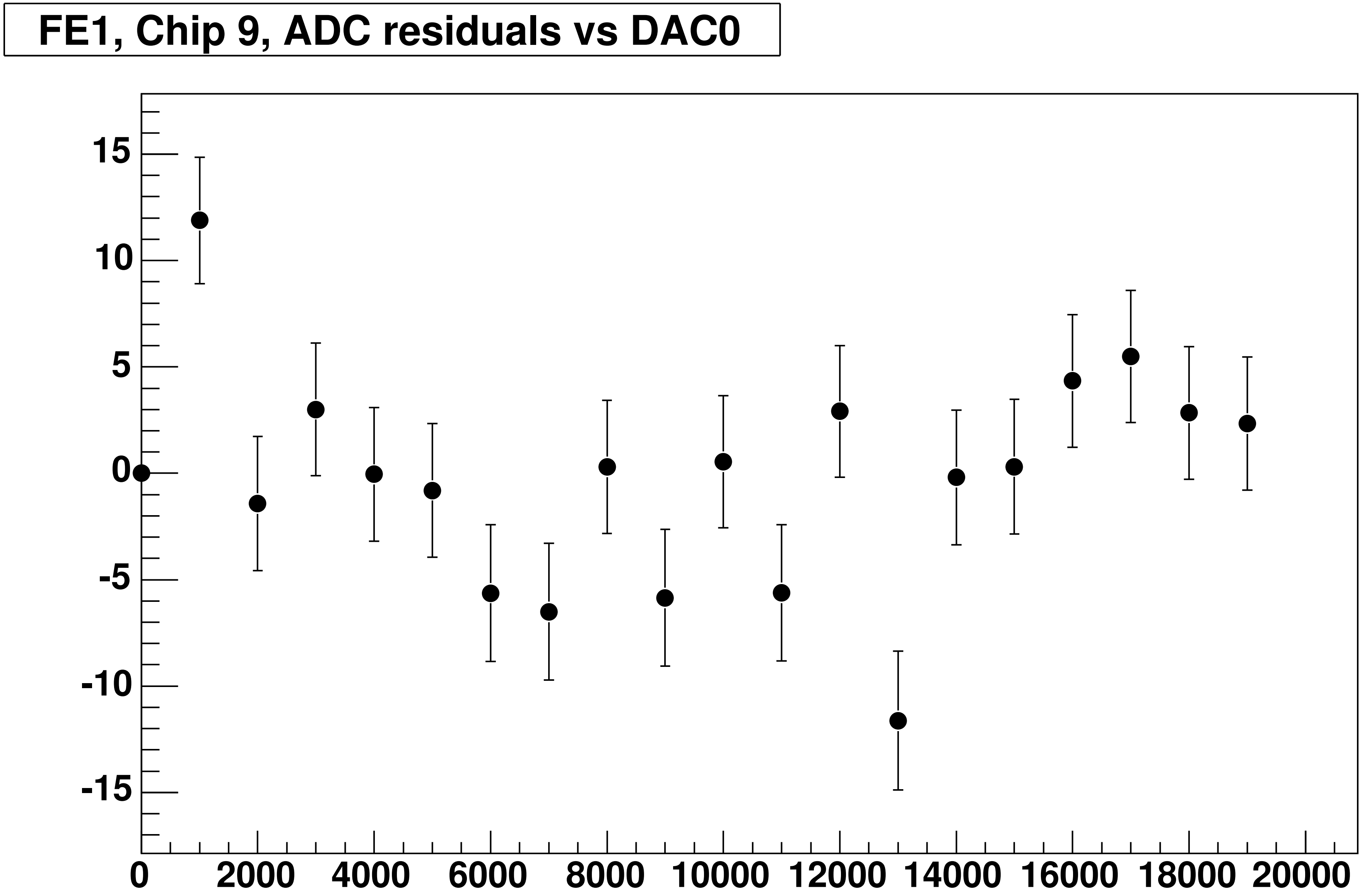


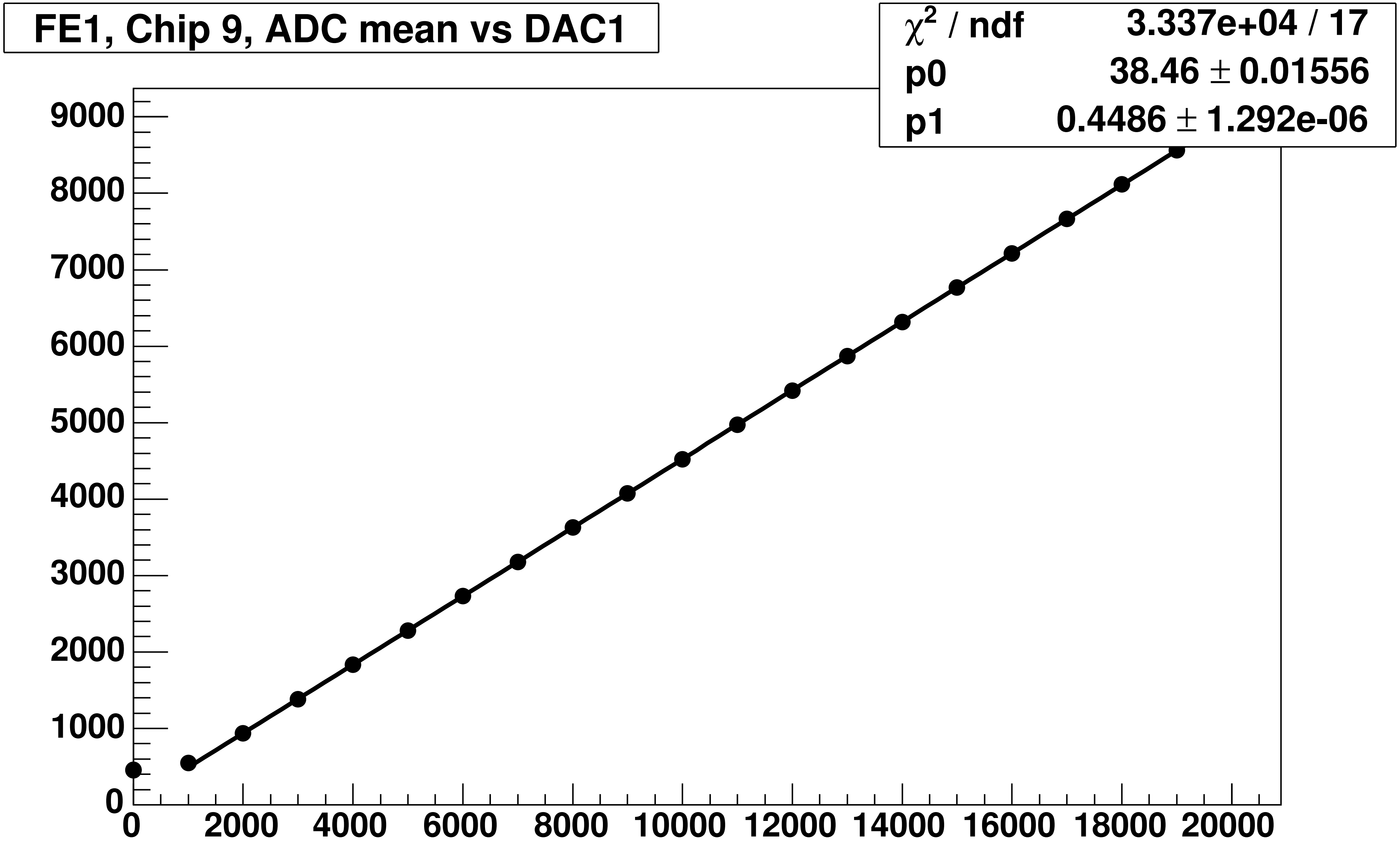
FE1, Chip 8, ADC residuals vs DAC1
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

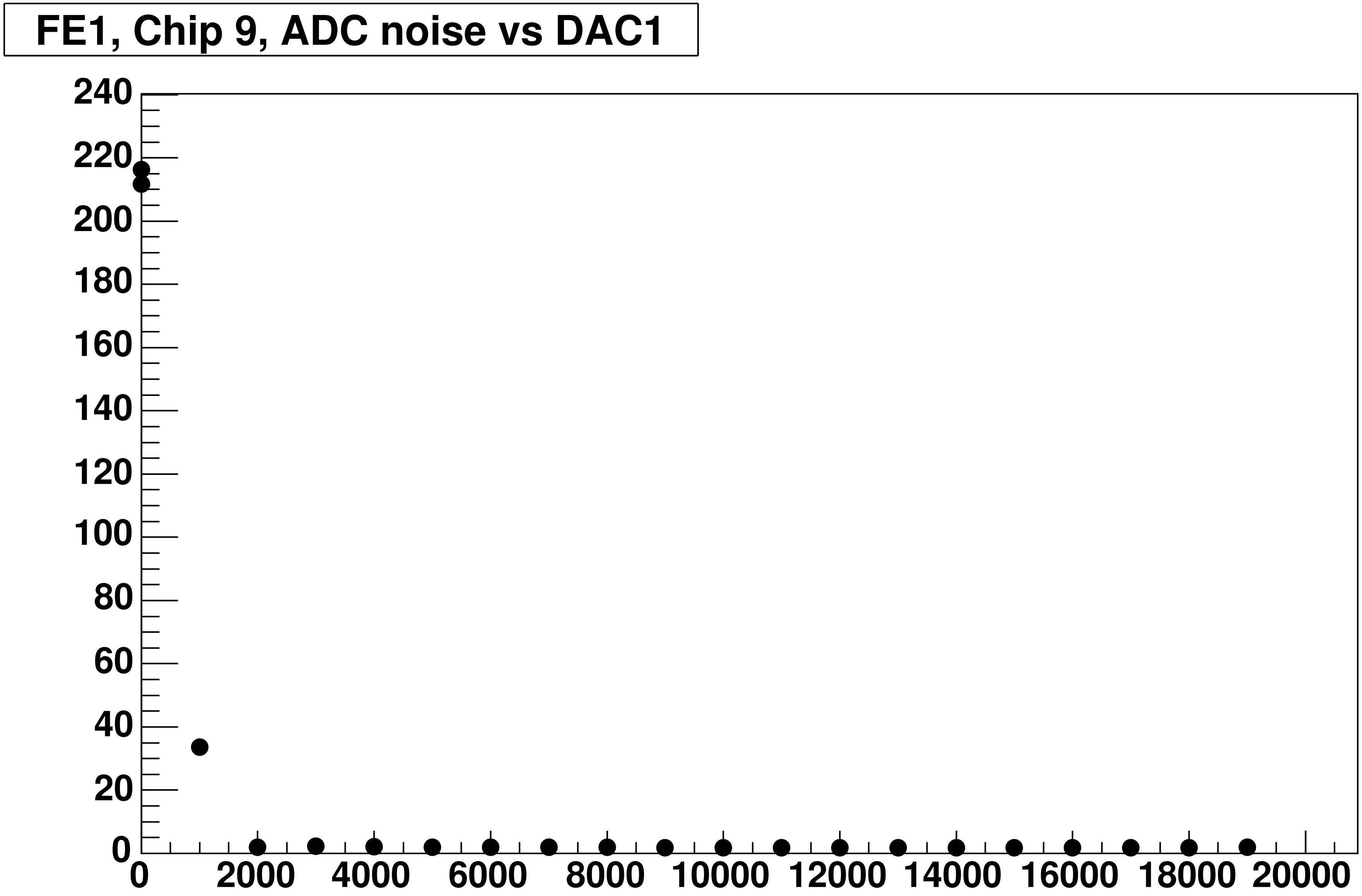


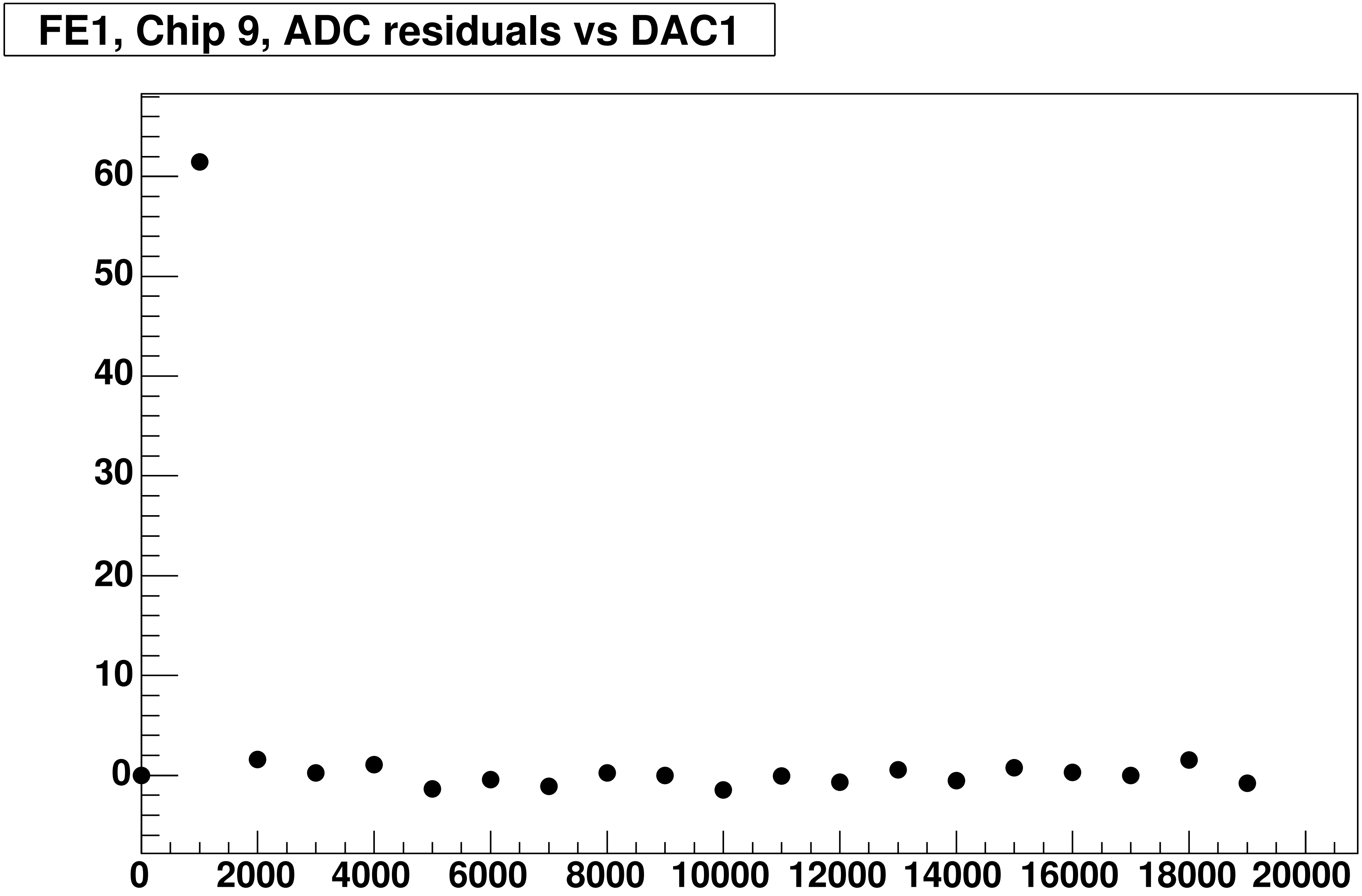
FE1, Chip 9, ADC mean vs DAC0
χ^2 / ndf 50.82 / 17
p0 457.1 ± 1.486
p1 -0.0001795 ± 0.0001302
470
465
460
455
450
445
440
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

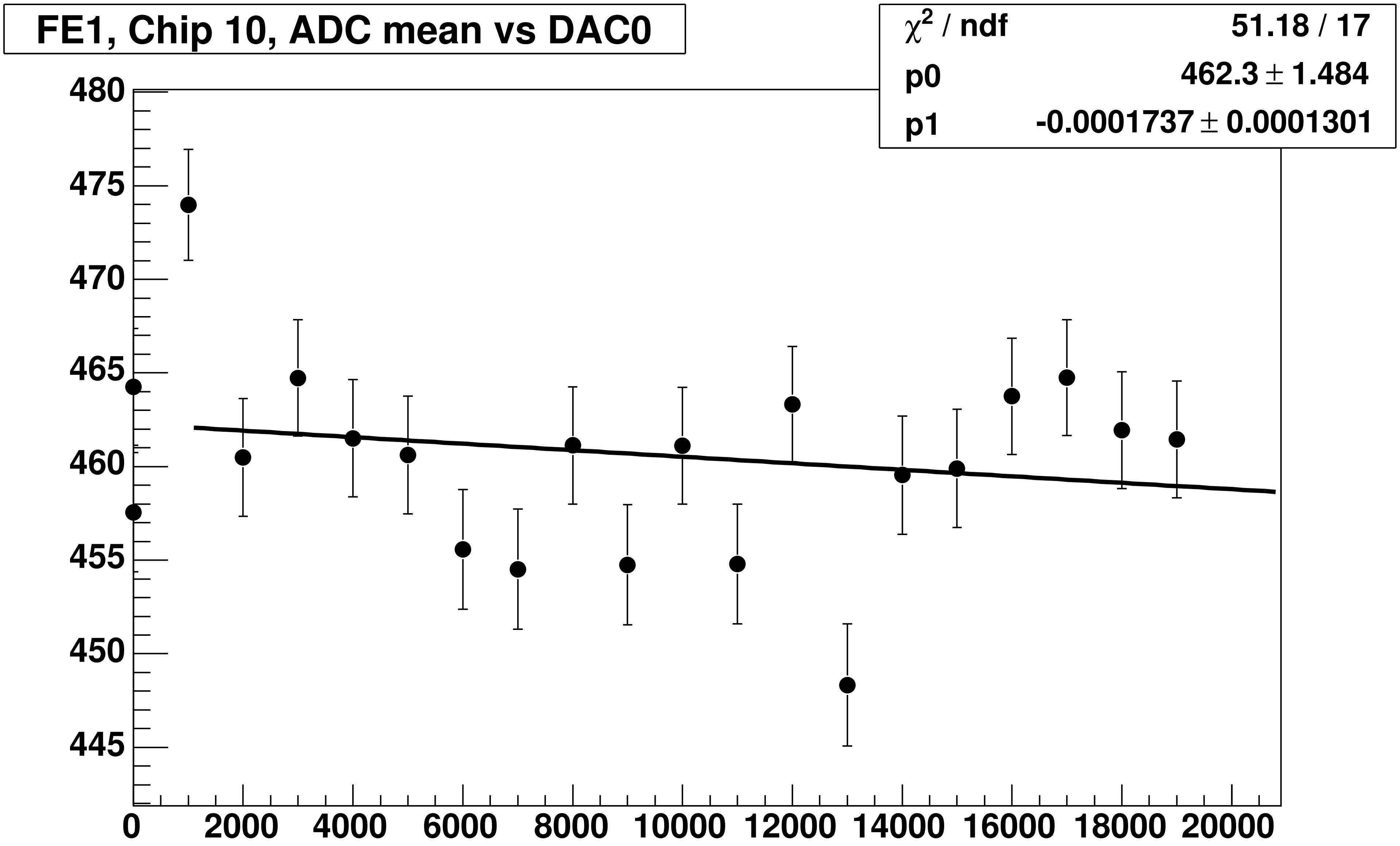

FE1, Chip 9, ADC noise vs DAC0
225
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 9, ADC residuals vs DAC0
15
10
5
0
-5
-10
-15
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

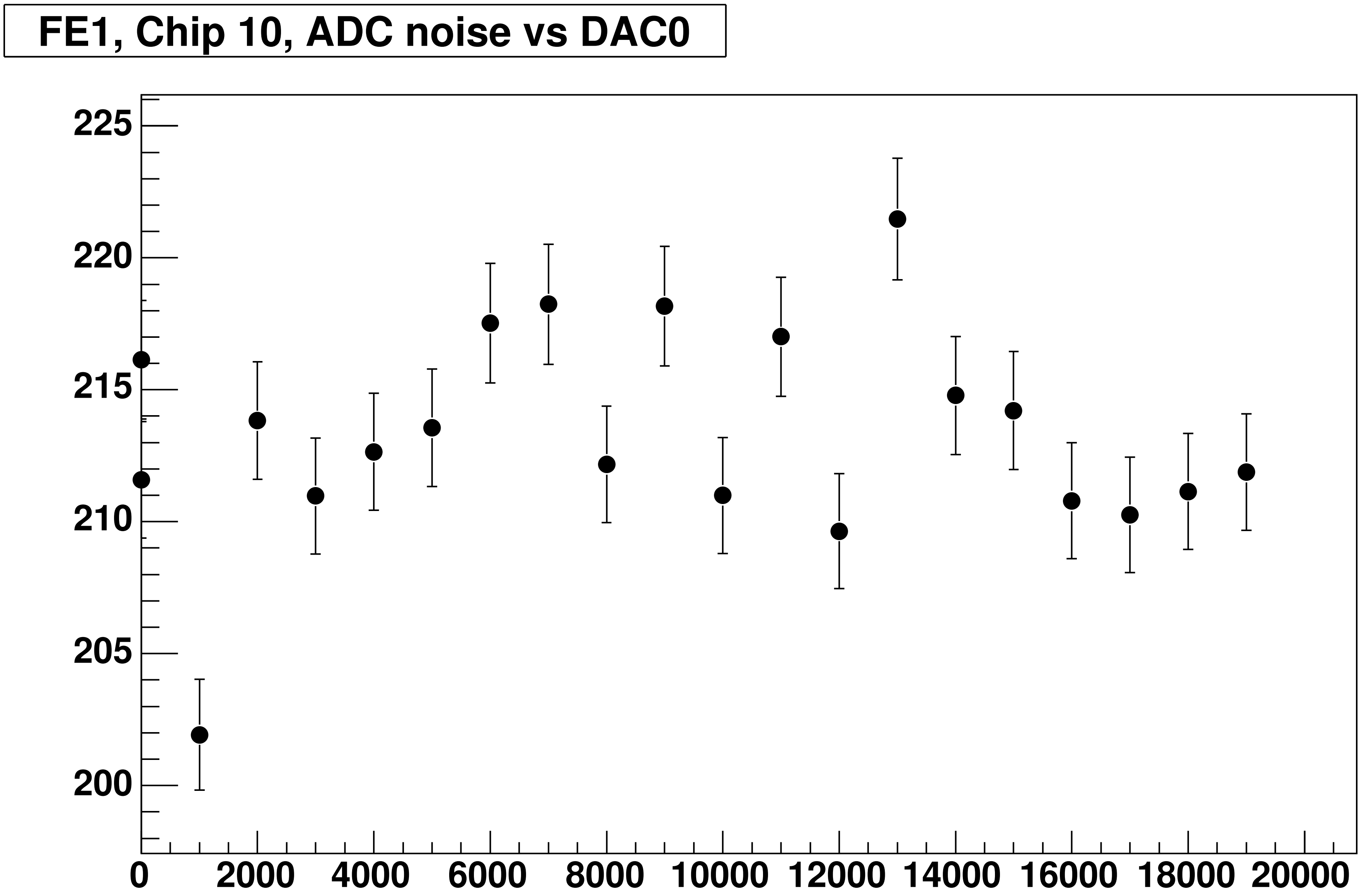

FE1, Chip 9, ADC mean vs DAC1
χ² / ndf 3.337e+04 / 17
p0 38.46 ± 0.01556
p1 0.4486 ± 1.292e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

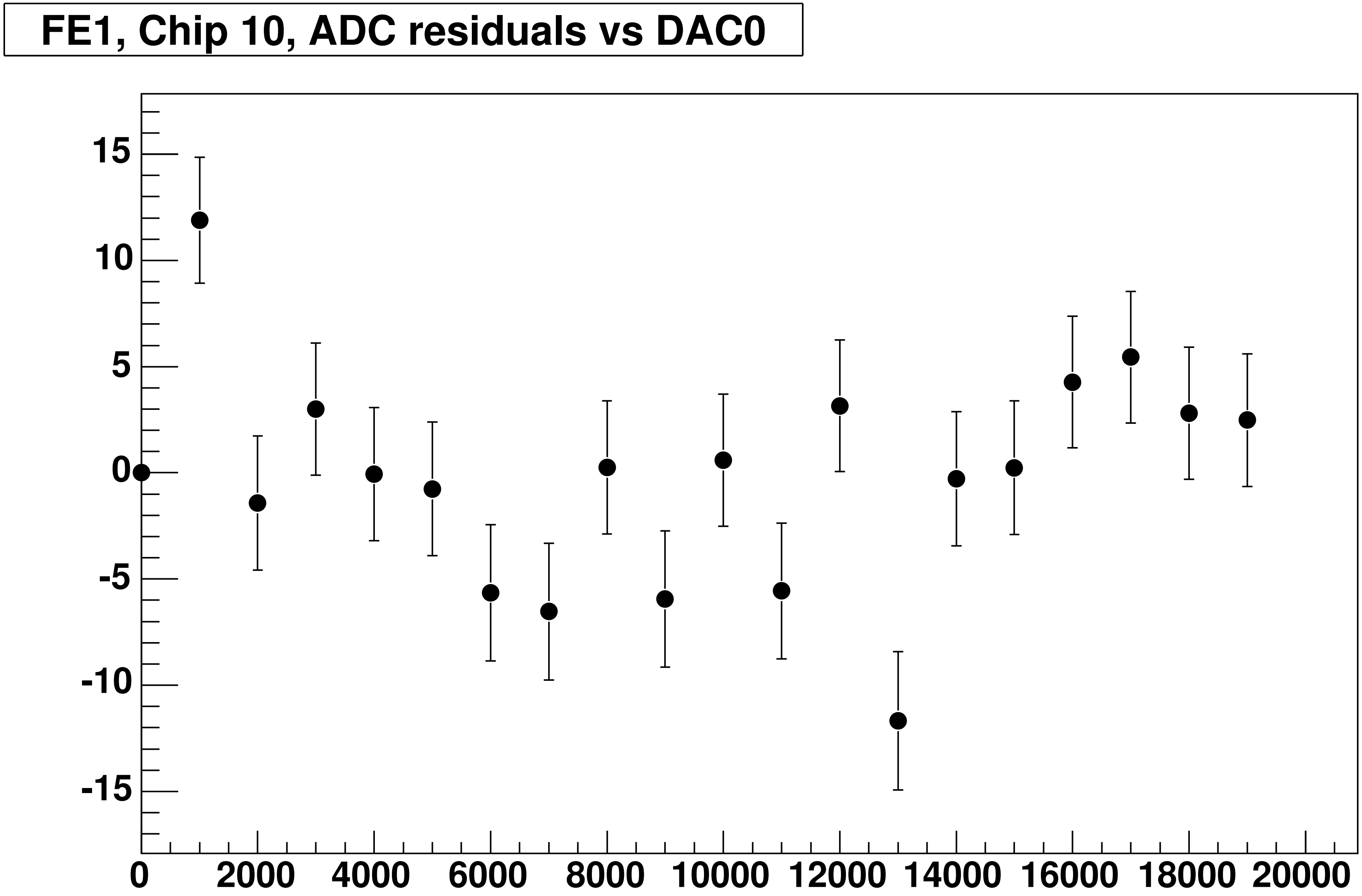

FE1, Chip 9, ADC noise vs DAC1
240
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

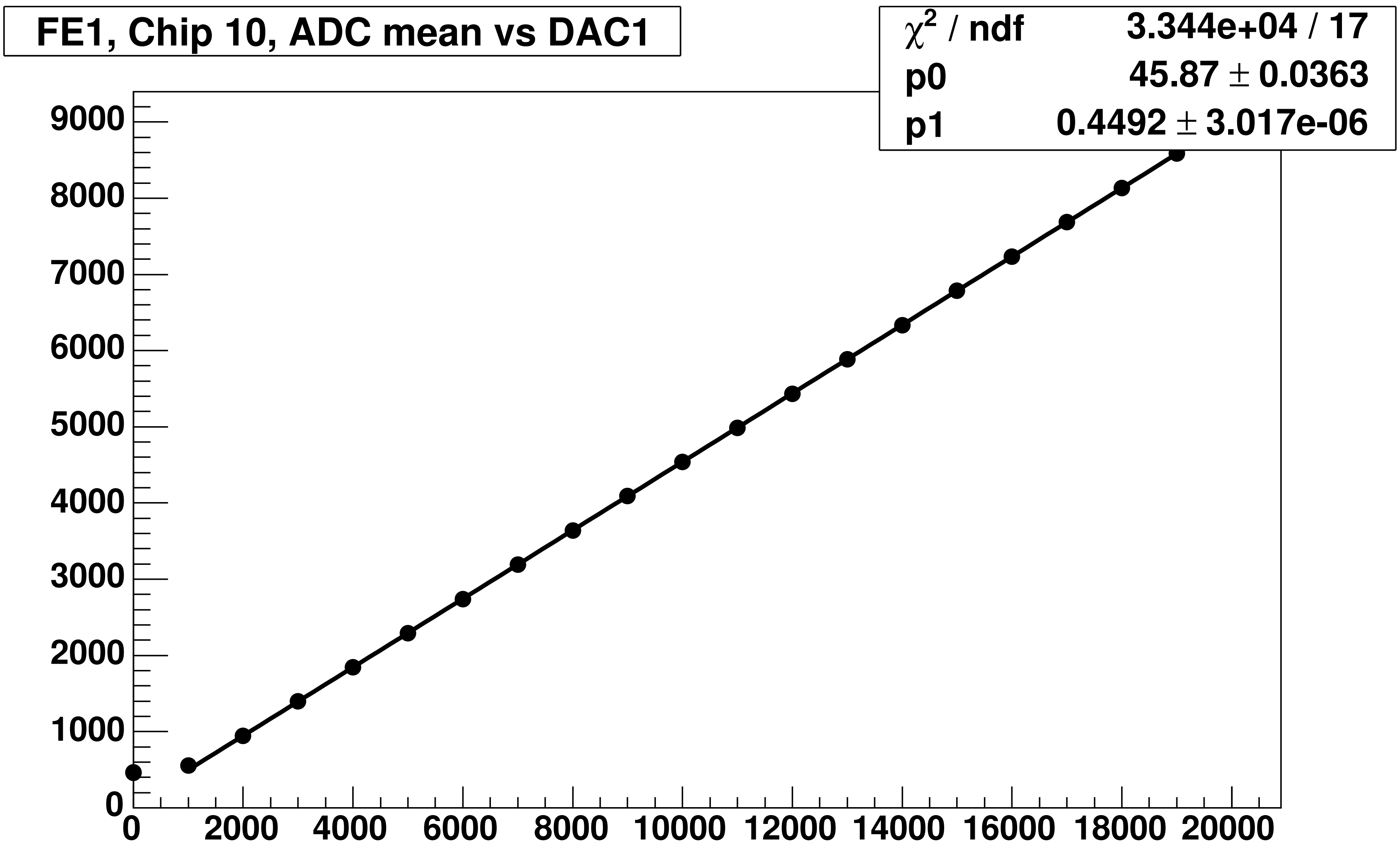

FE1, Chip 9, ADC residuals vs DAC1
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

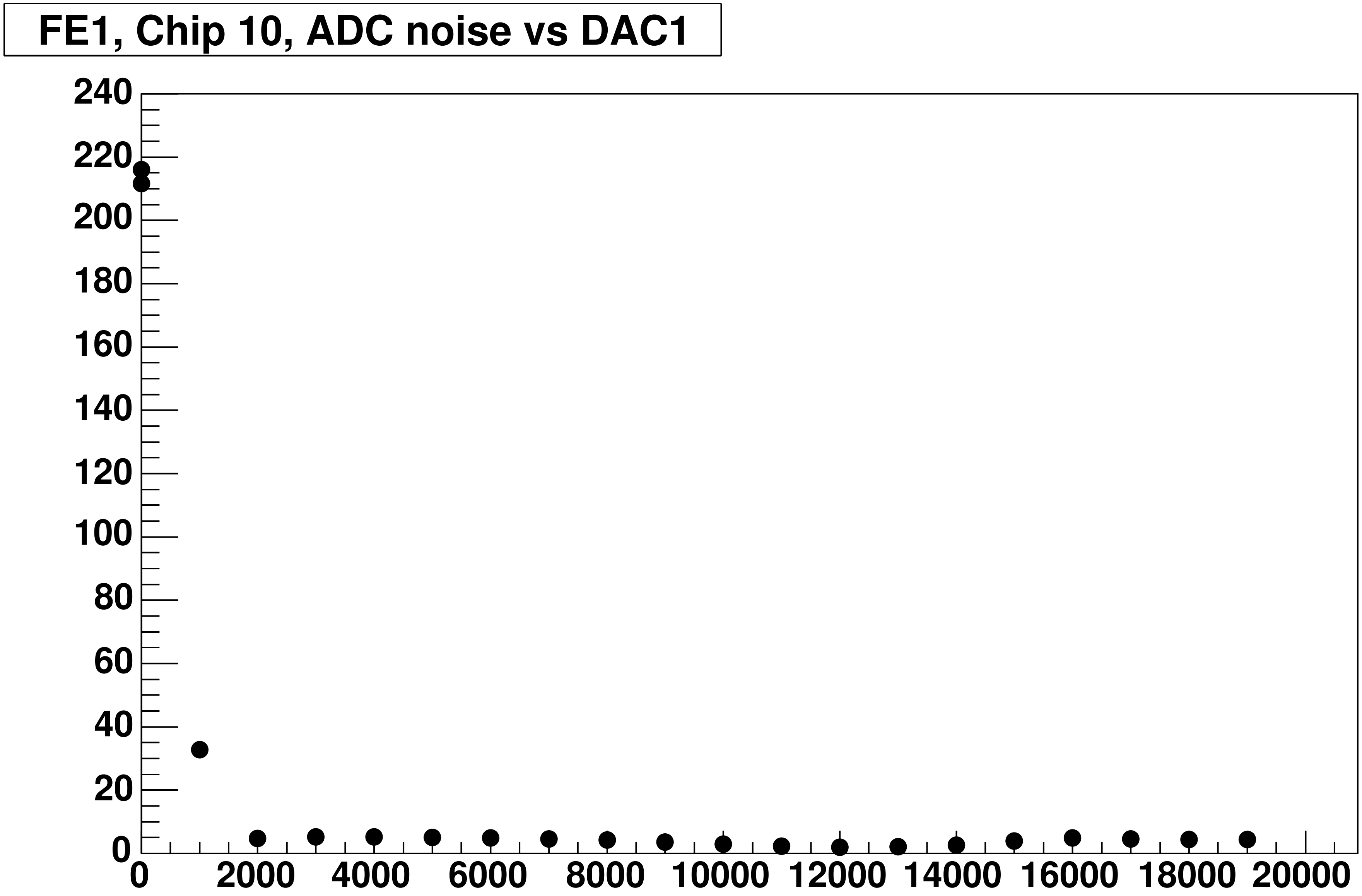


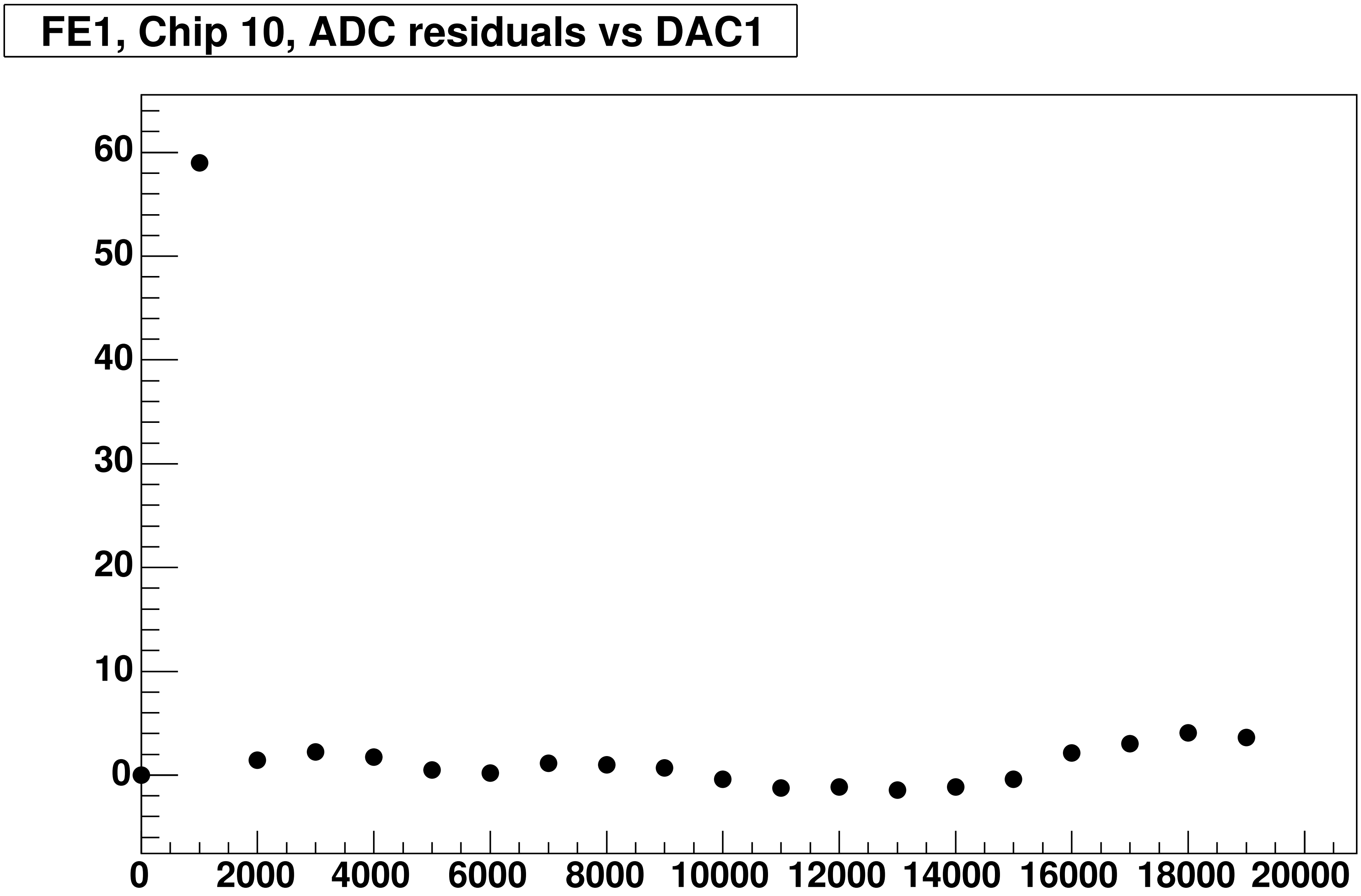
FE1, Chip 10, ADC mean vs DAC0
χ^2 / ndf 51.18 / 17
p0 462.3 ± 1.484
p1 -0.0001737 ± 0.0001301
480
475
470
465
460
455
450
445
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 10, ADC noise vs DAC0
225
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

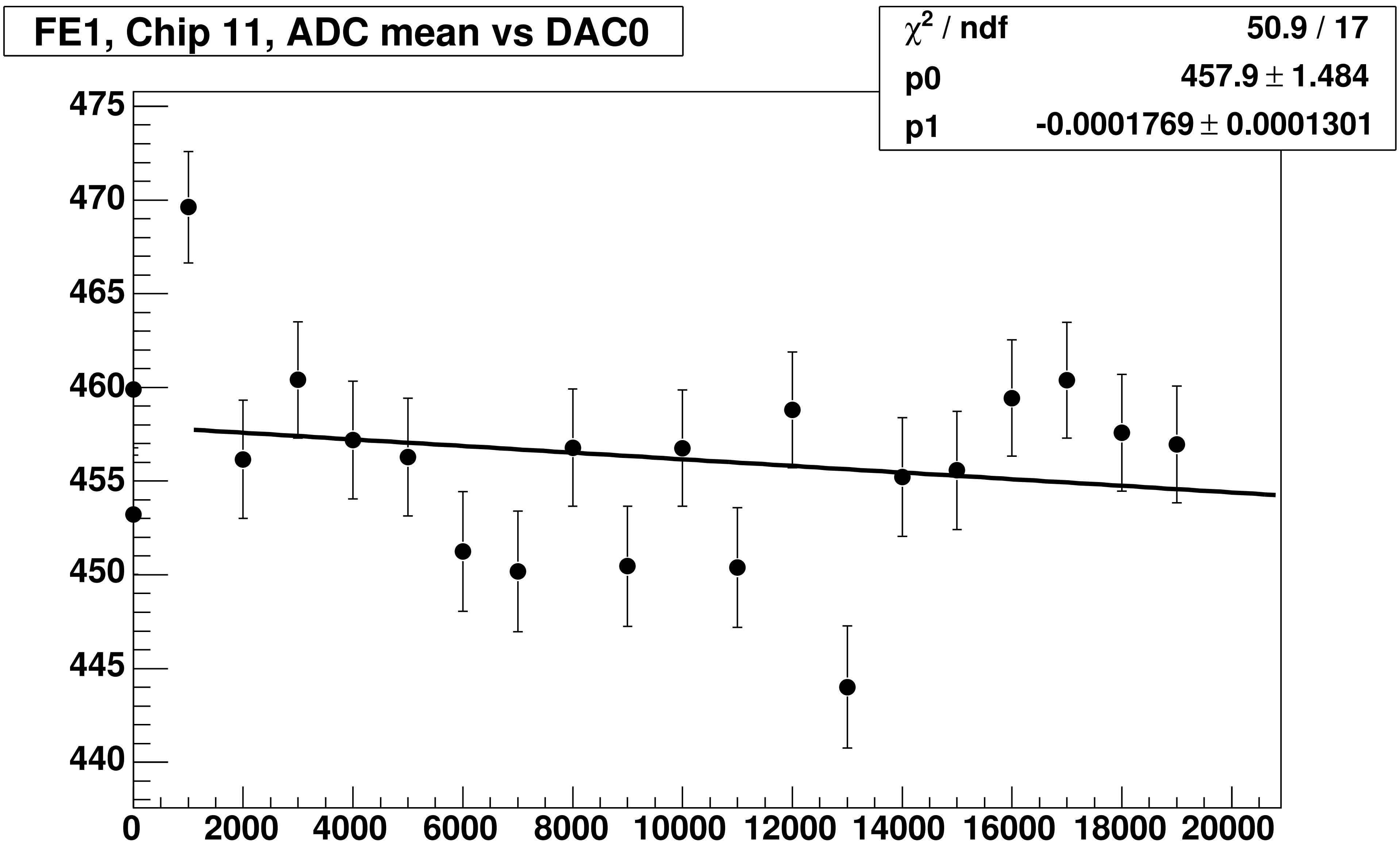

FE1, Chip 10, ADC residuals vs DAC0
15
10
5
0
-5
-10
-15
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 10, ADC mean vs DAC1
χ2 / ndf 3.344e+04 / 17
p0 45.87 ± 0.0363
p1 0.4492 ± 3.017e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

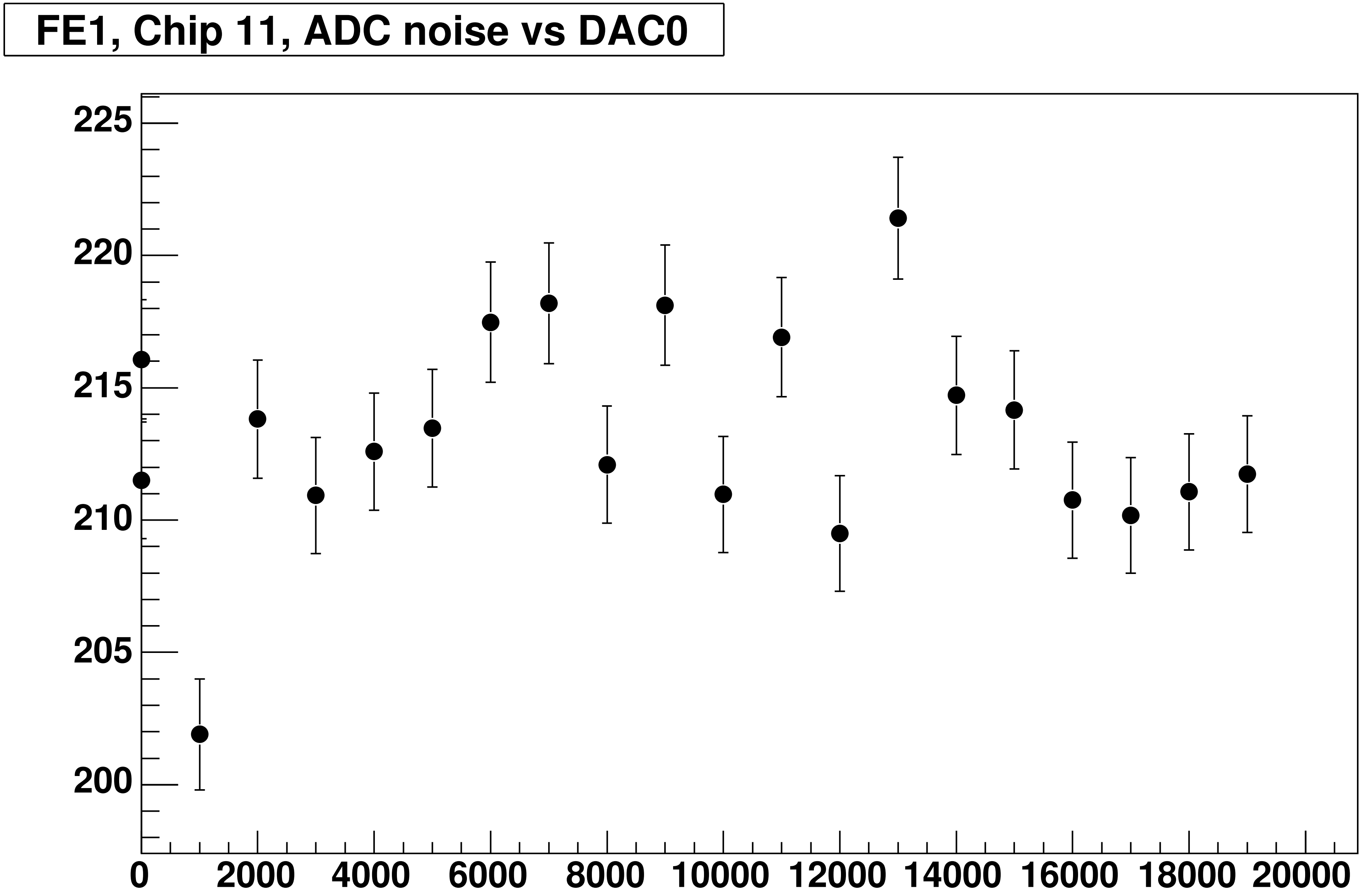

FE1, Chip 10, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
240
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

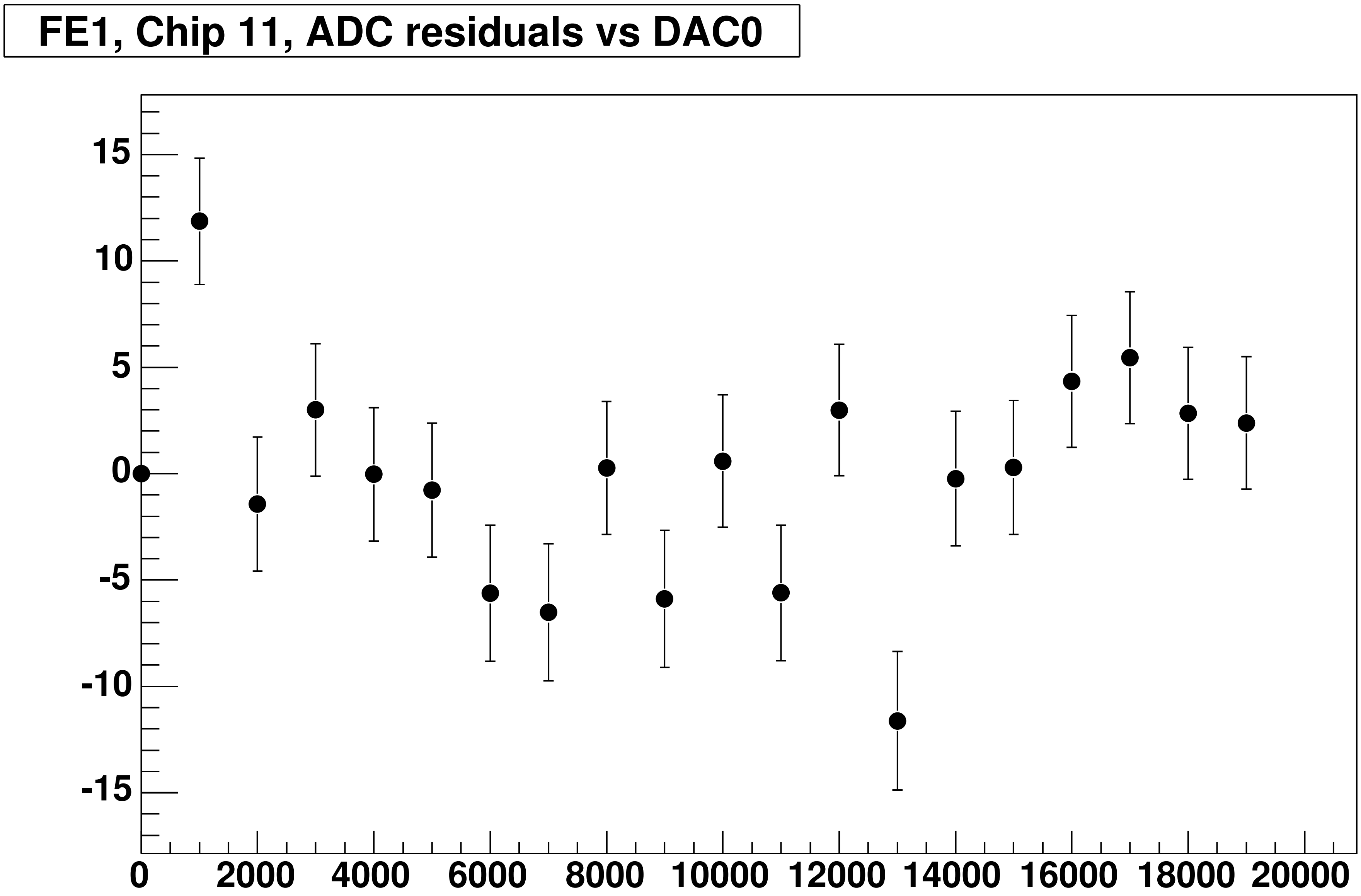


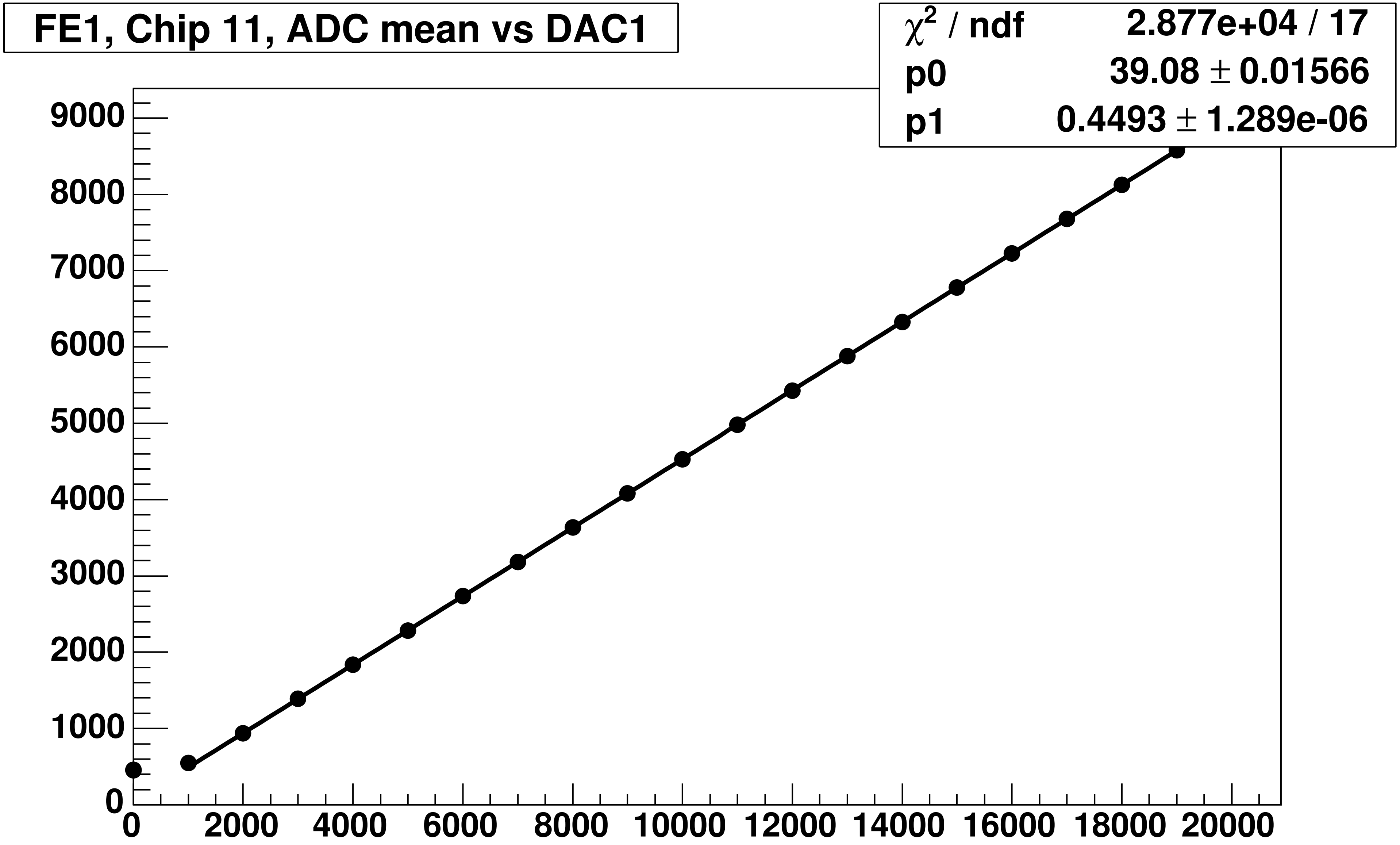
FE1, Chip 10, ADC residuals vs DAC1
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



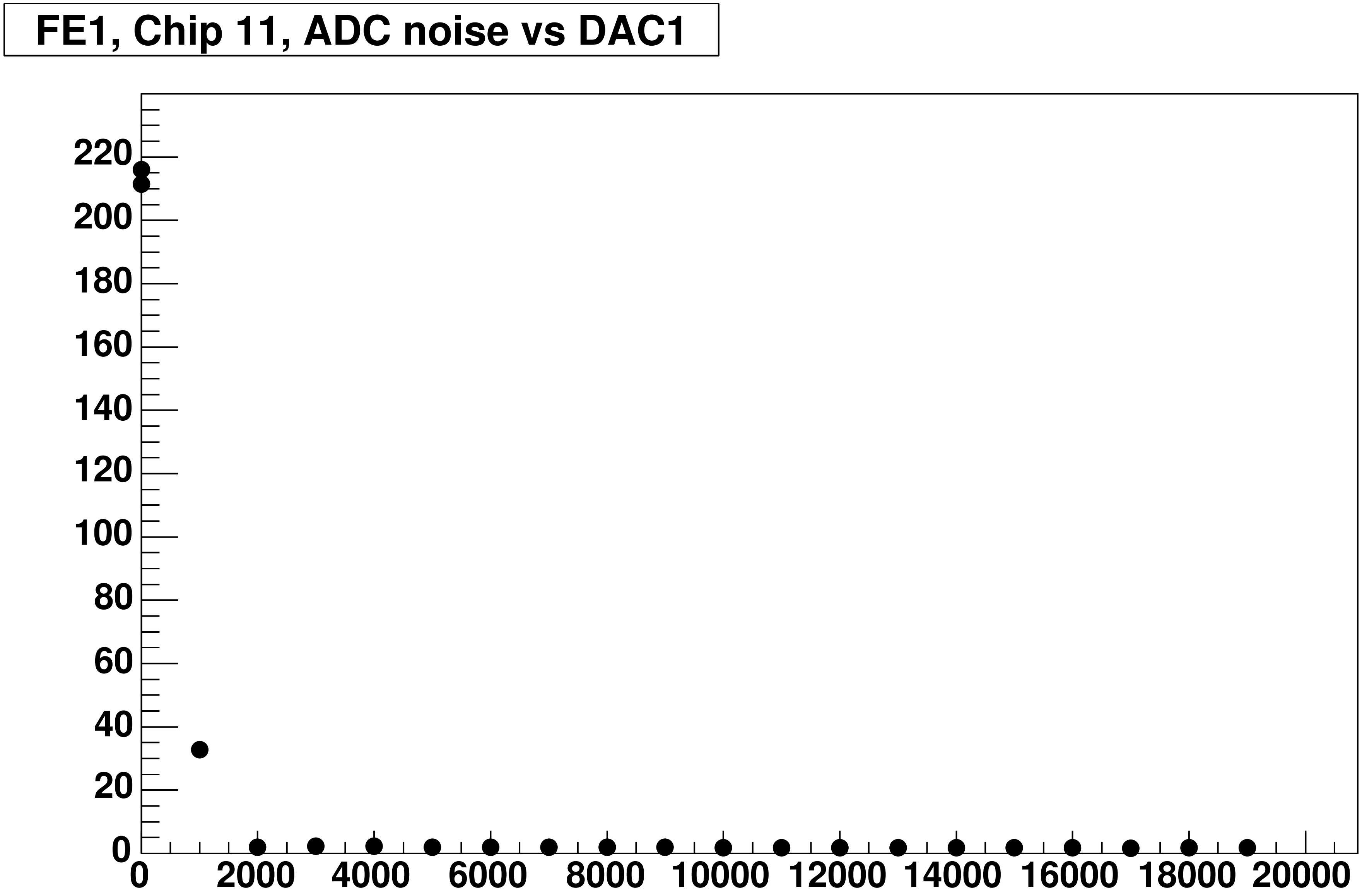
FE1, Chip 11, ADC mean vs DAC0
χ2 / ndf 50.9 / 17
p0 457.9 ± 1.484
p1 -0.0001769 ± 0.0001301
475
470
465
460
455
450
445
440
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

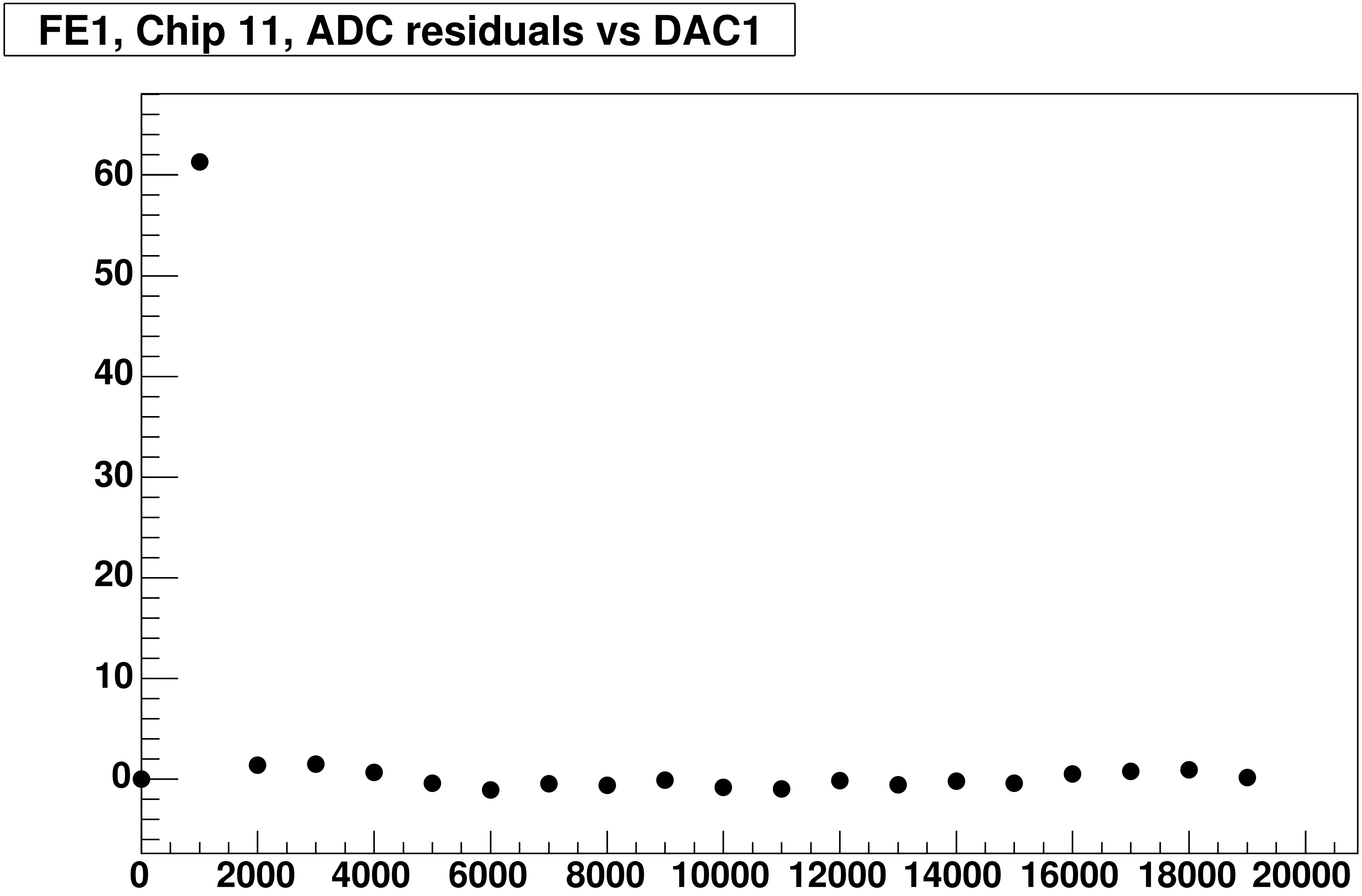

FE1, Chip 11, ADC noise vs DAC0
225
220
215
210
205
200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

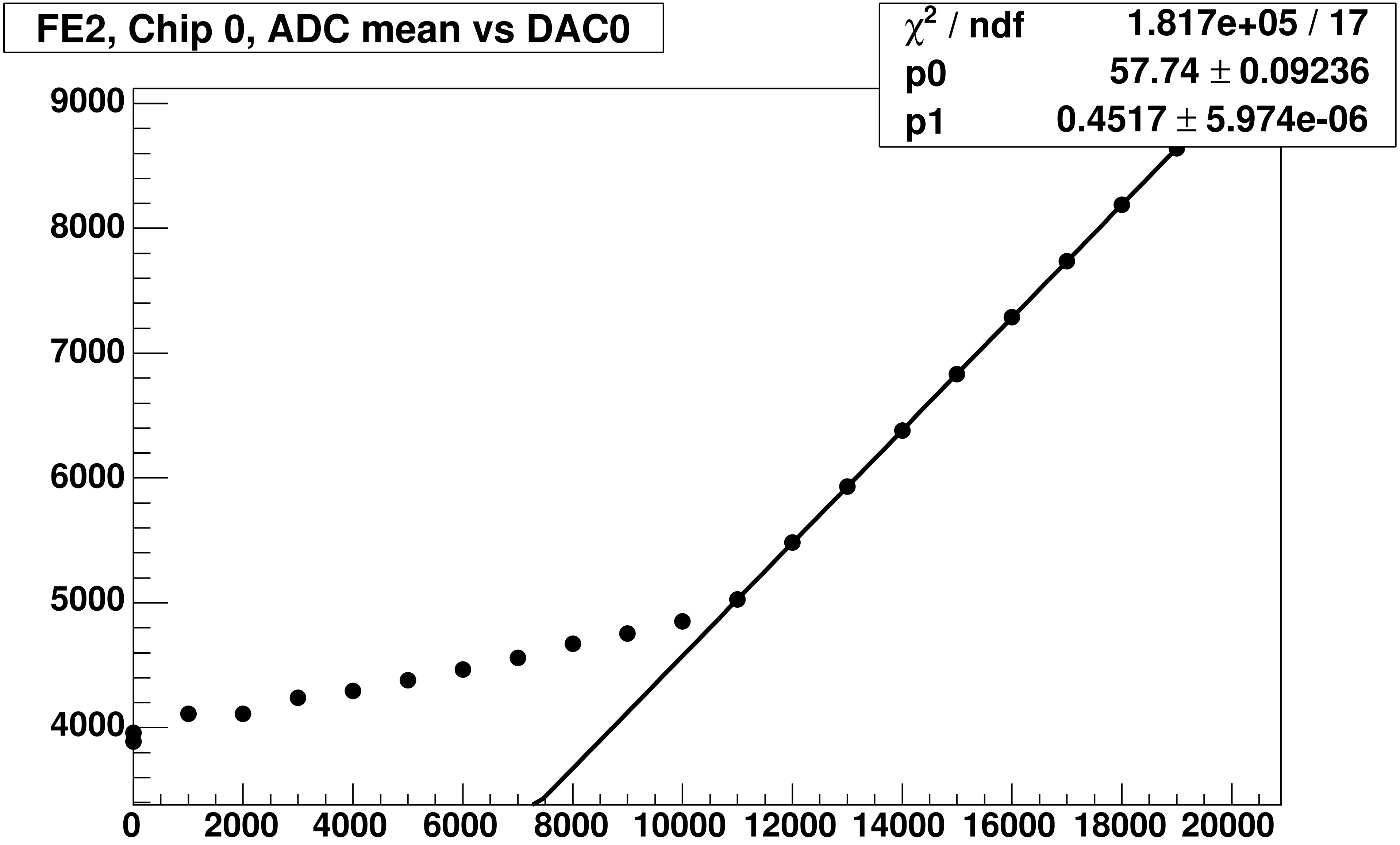

FE1, Chip 11, ADC residuals vs DAC0
15
10
5
0
-5
-10
-15
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



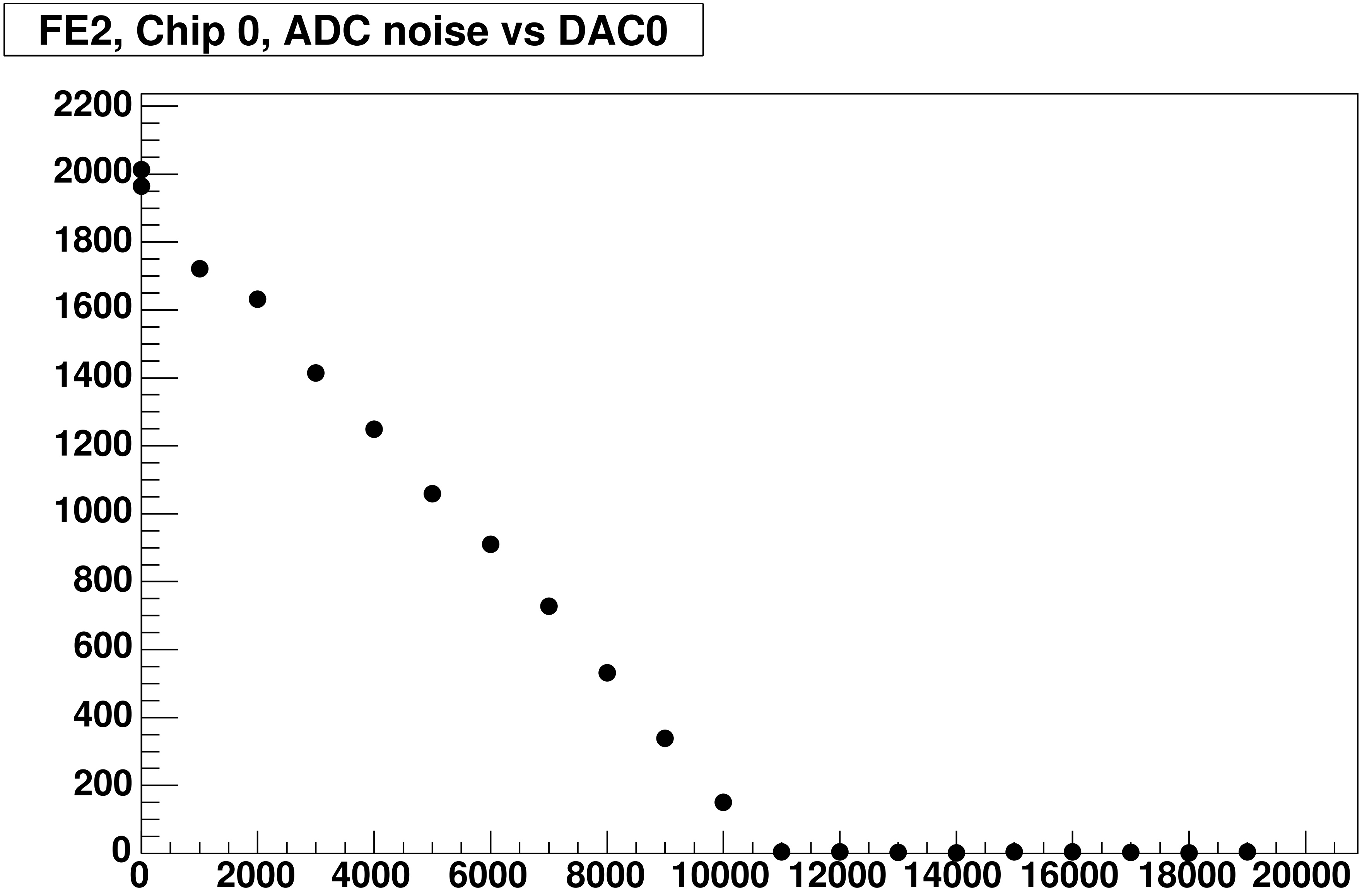
FE1, Chip 11, ADC mean vs DAC1
χ^2 / ndf 2.877e+04 / 17
p0 39.08 ± 0.01566
p1 0.4493 ± 1.289e-06
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE1, Chip 11, ADC noise vs DAC1
220
200
180
160
140
120
100
80
60
40
20
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

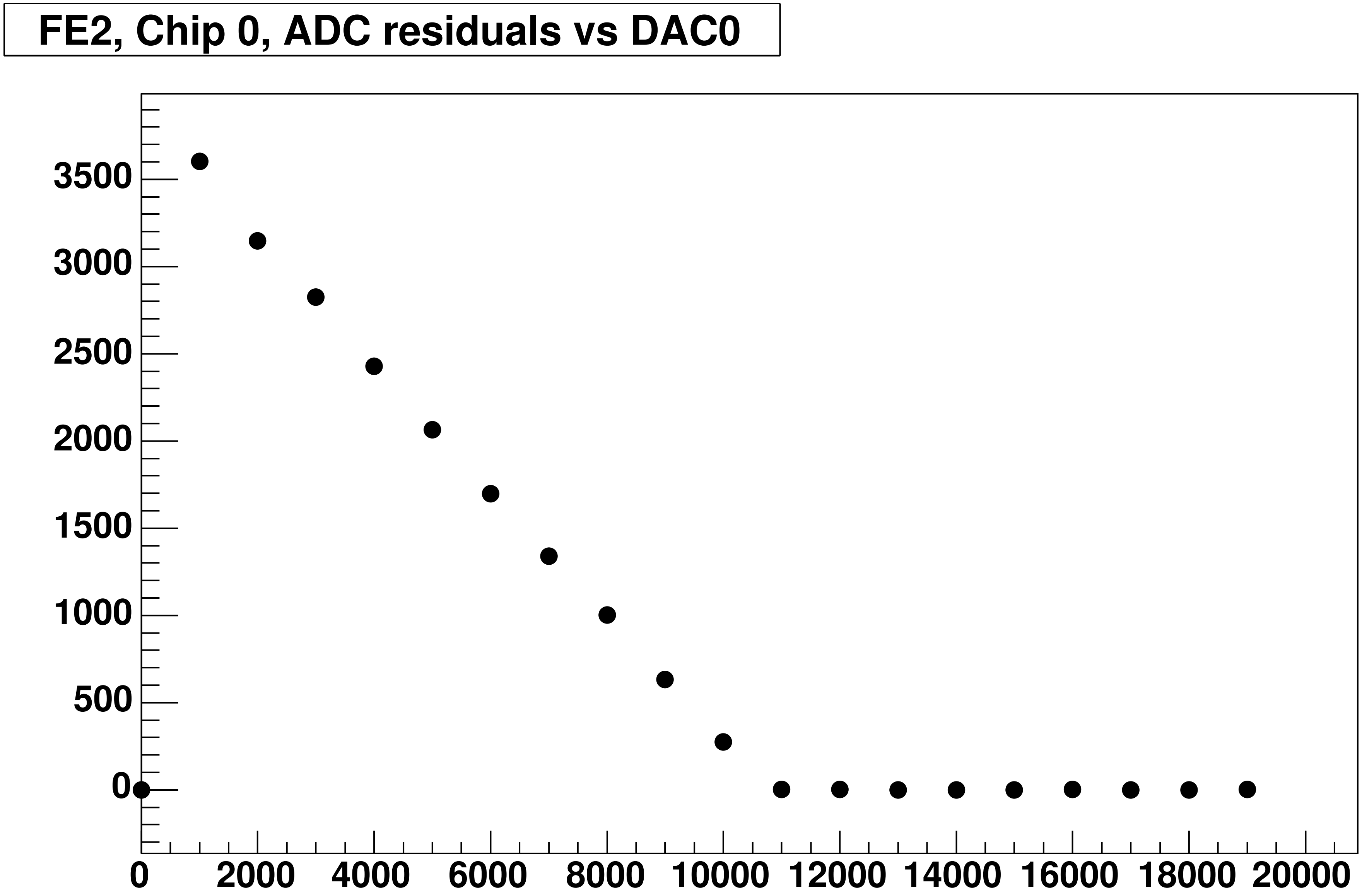

FE1, Chip 11, ADC residuals vs DAC1
60
50
40
30
20
10
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

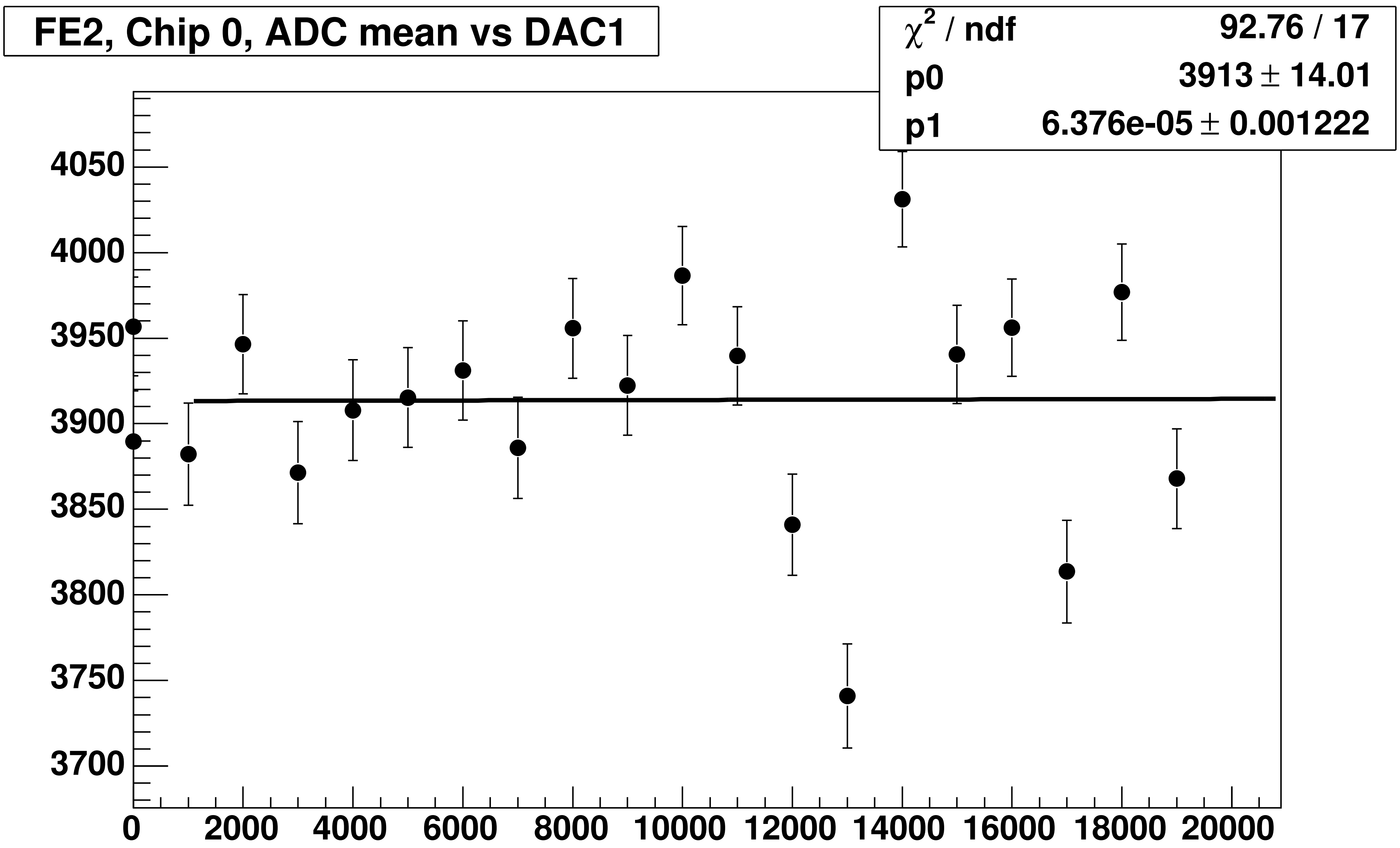


FE2, Chip 0, ADC mean vs DAC0
χ^2 / ndf 1.817e+05 / 17
p0 57.74 ± 0.09236
p1 0.4517 ± 5.974e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

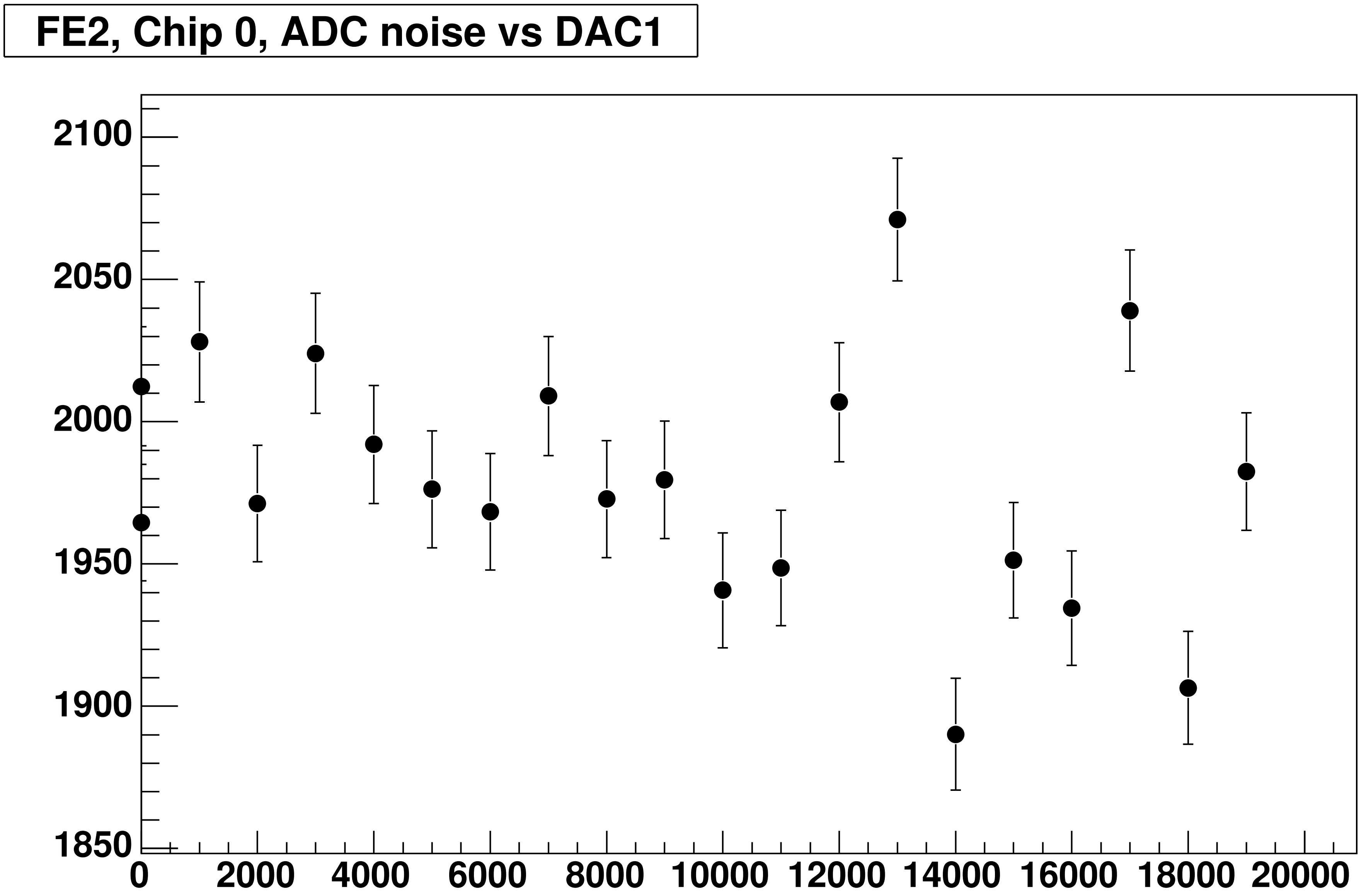


FE2, Chip 0, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

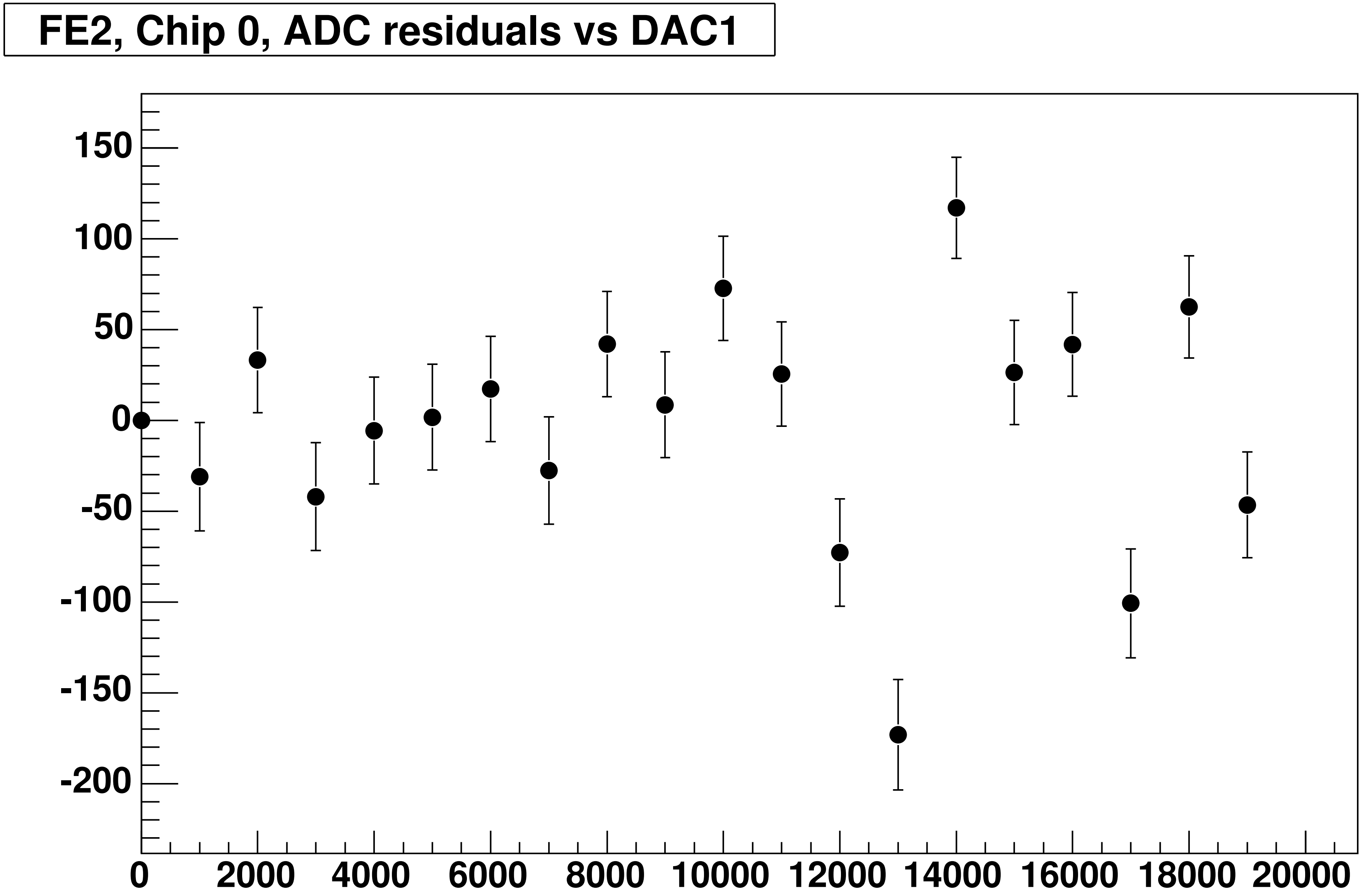

FE2, Chip 0, ADC residuals vs DAC0
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

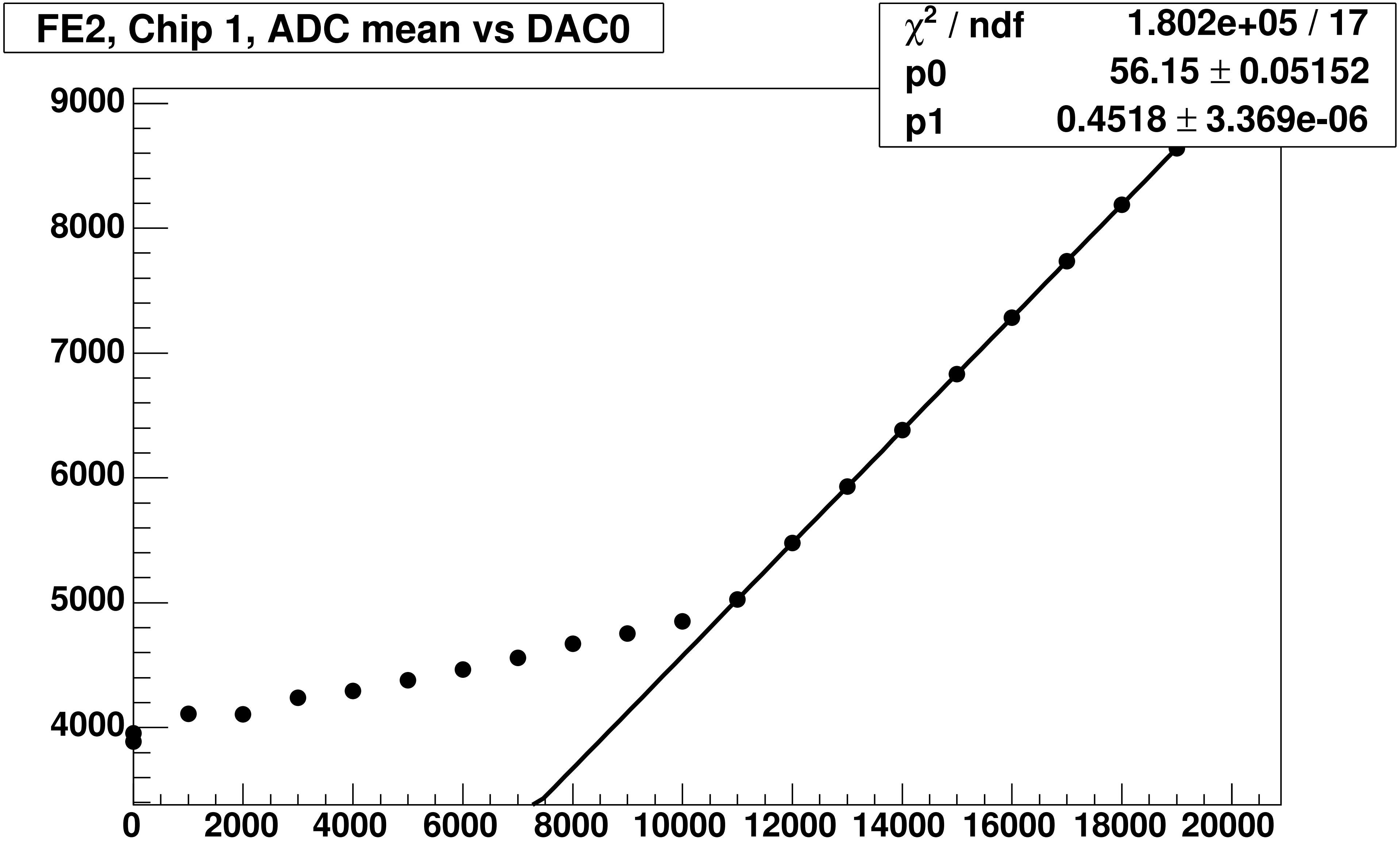


FE2, Chip 0, ADC mean vs DAC1
χ^2 / ndf 92.76 / 17
p0 3913 ± 14.01
p1 6.376e-05 ± 0.001222
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

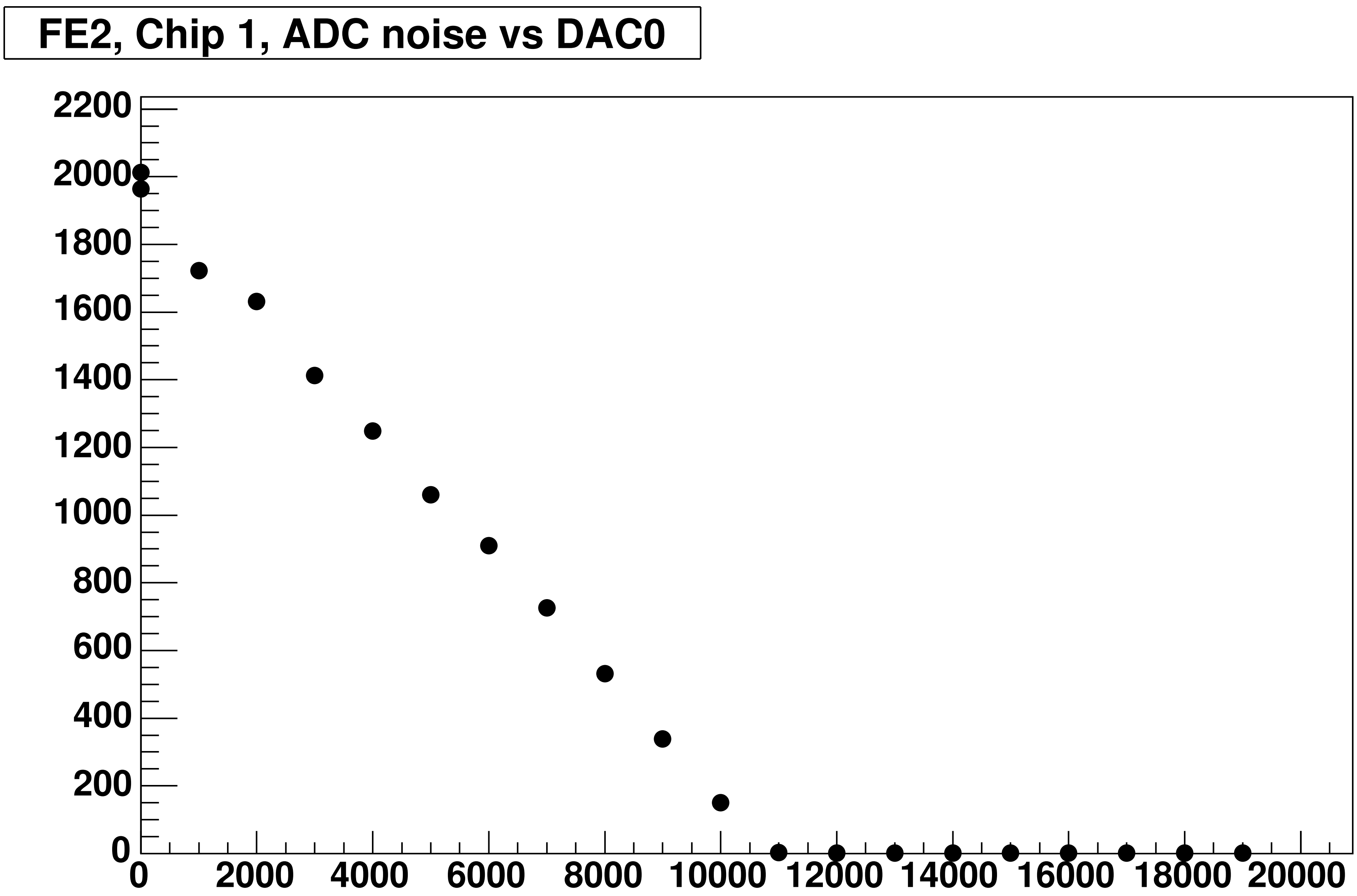


FE2, Chip 0, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

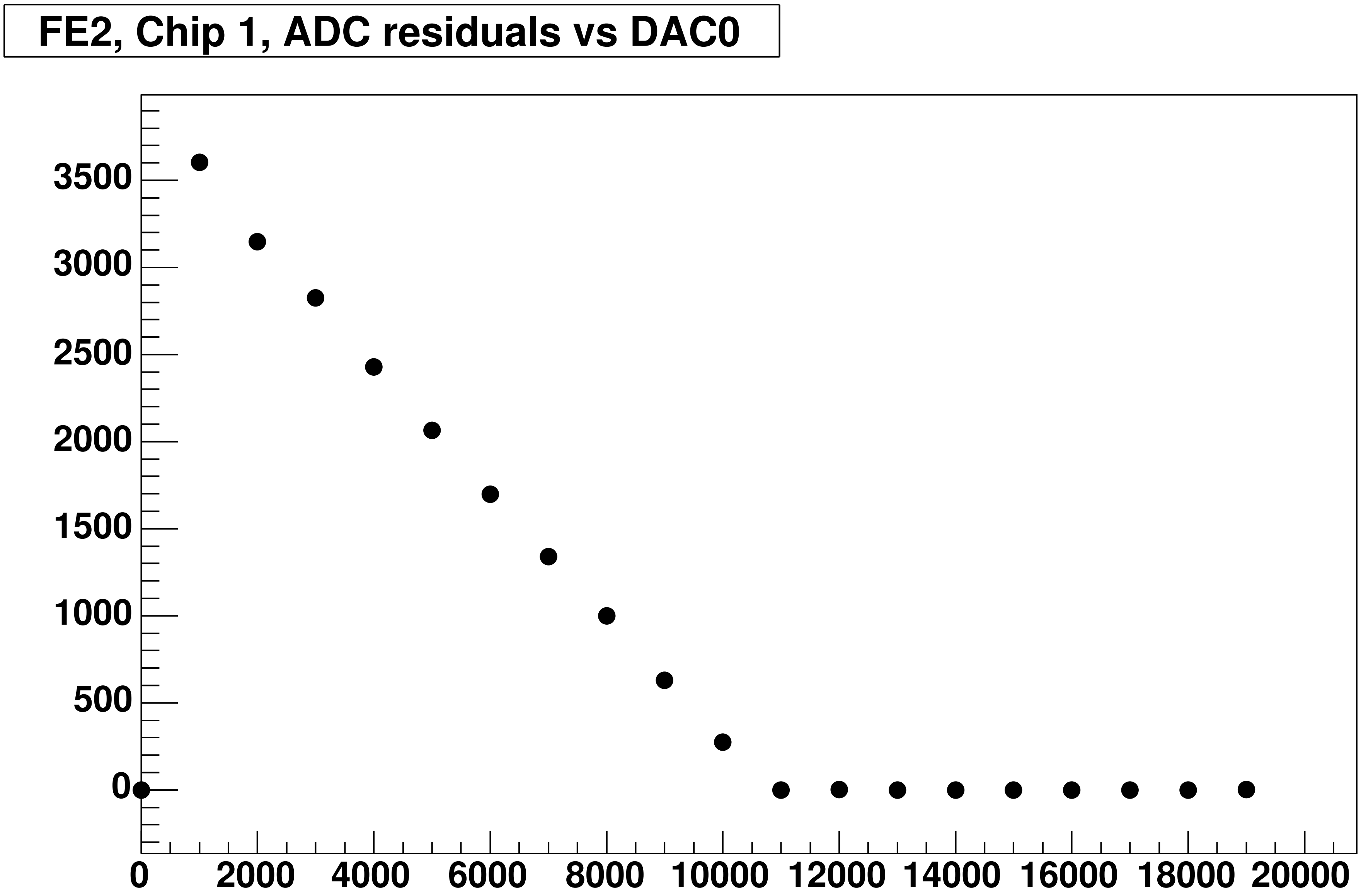

FE2, Chip 0, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

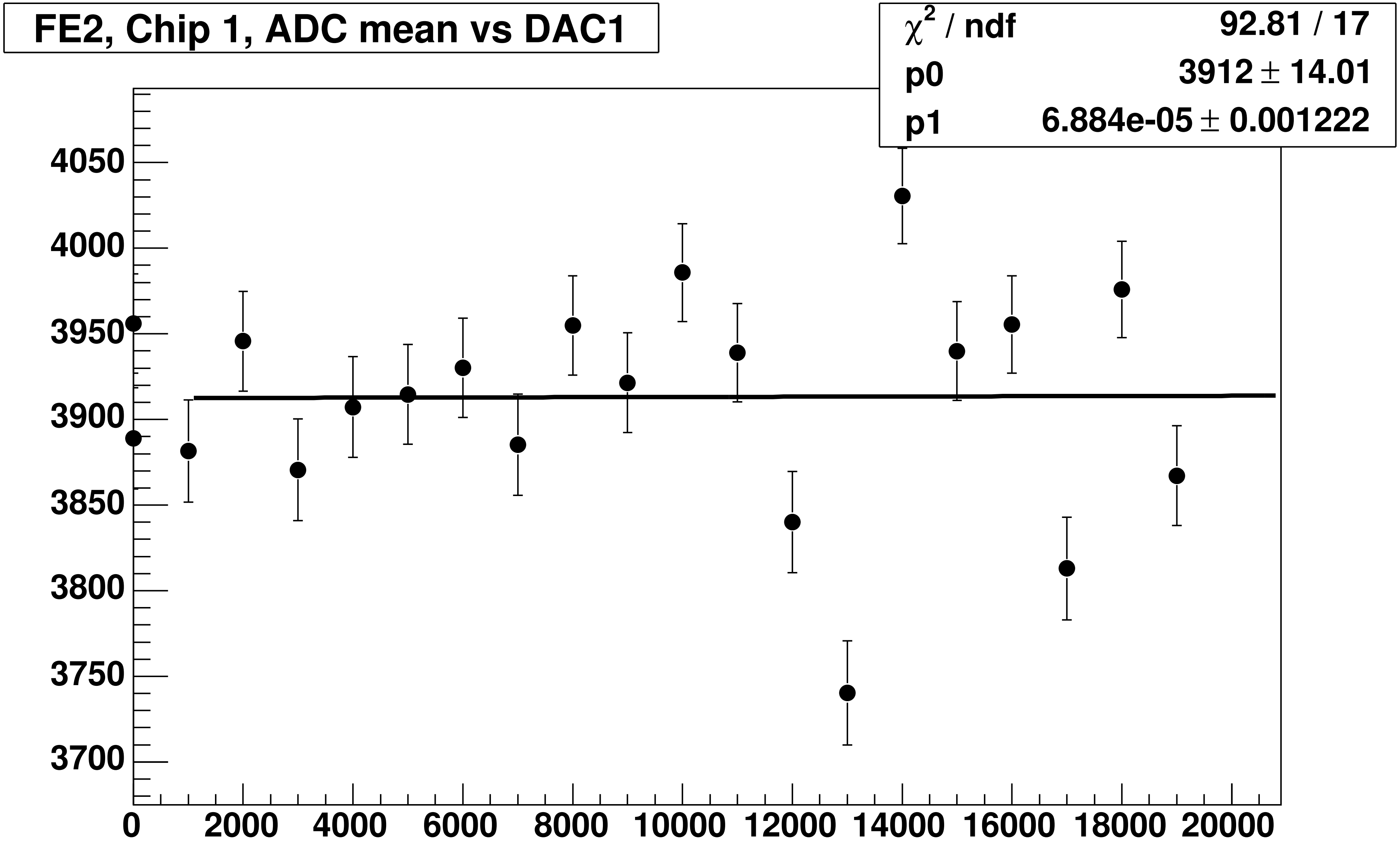


FE2, Chip 1, ADC mean vs DAC0
χ^2 / ndf 1.802e+05 / 17
p0 56.15 ± 0.05152
p1 0.4518 ± 3.369e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

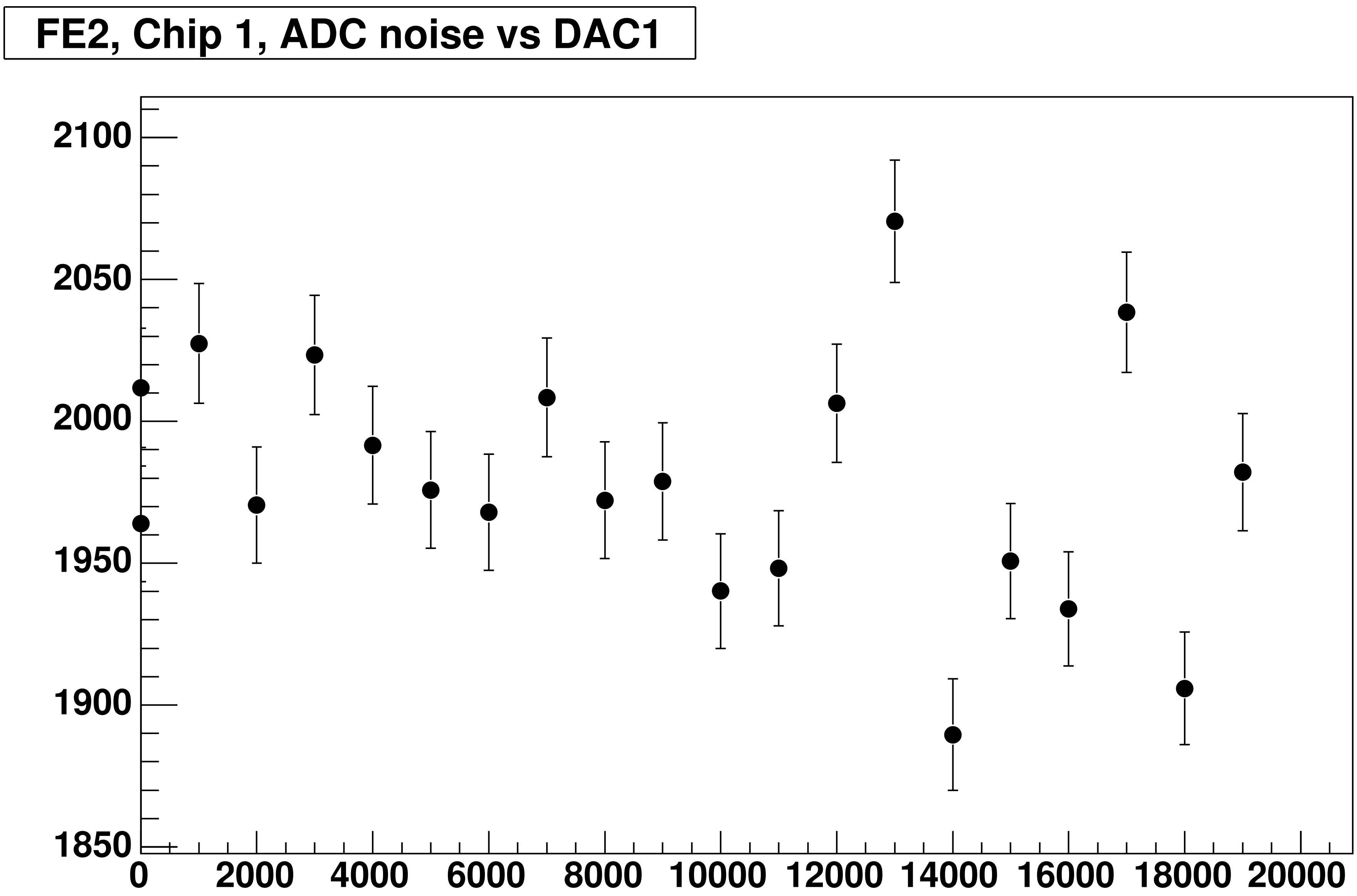


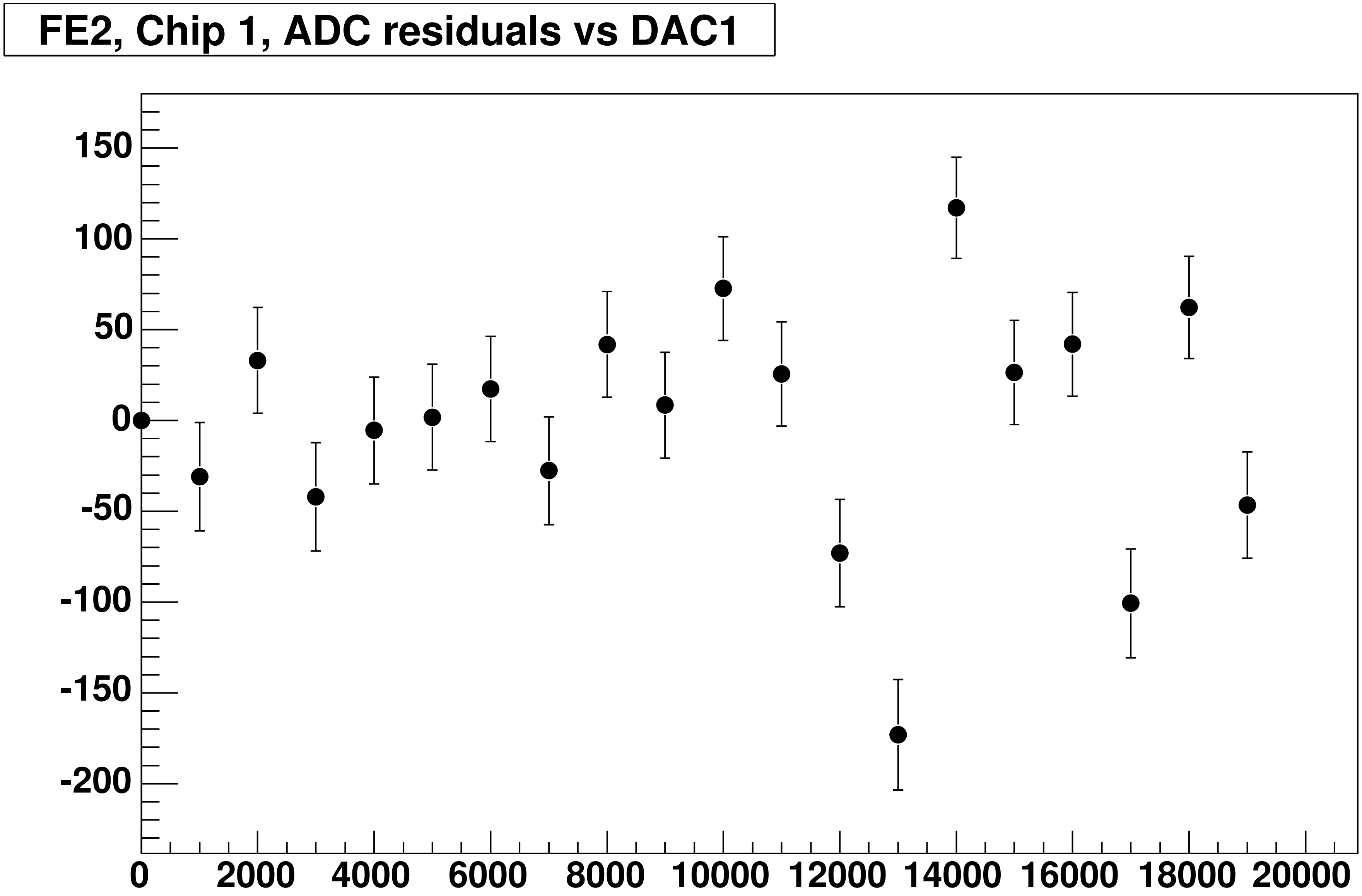
FE2, Chip 1, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

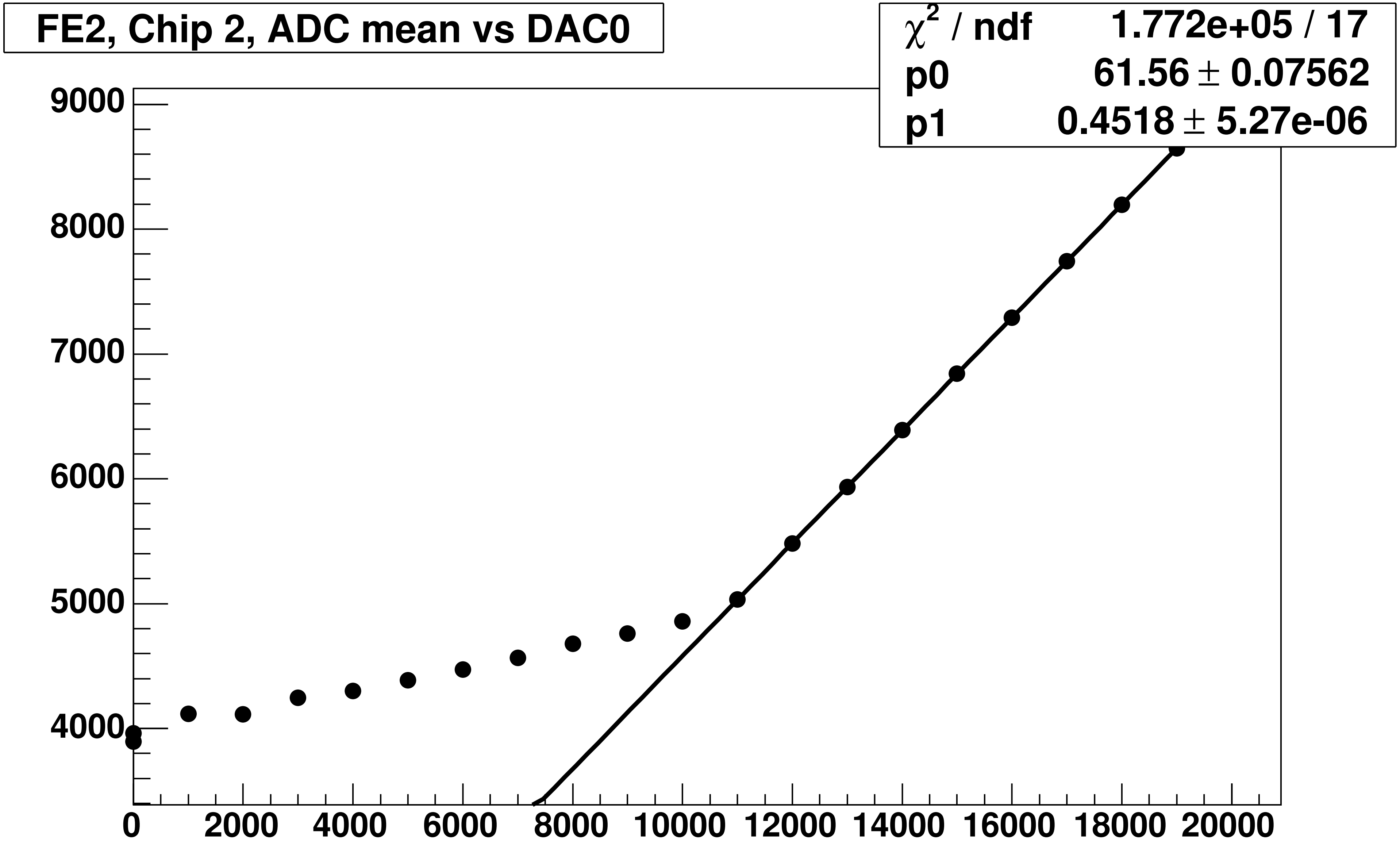

FE2, Chip 1, ADC residuals vs DAC0
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

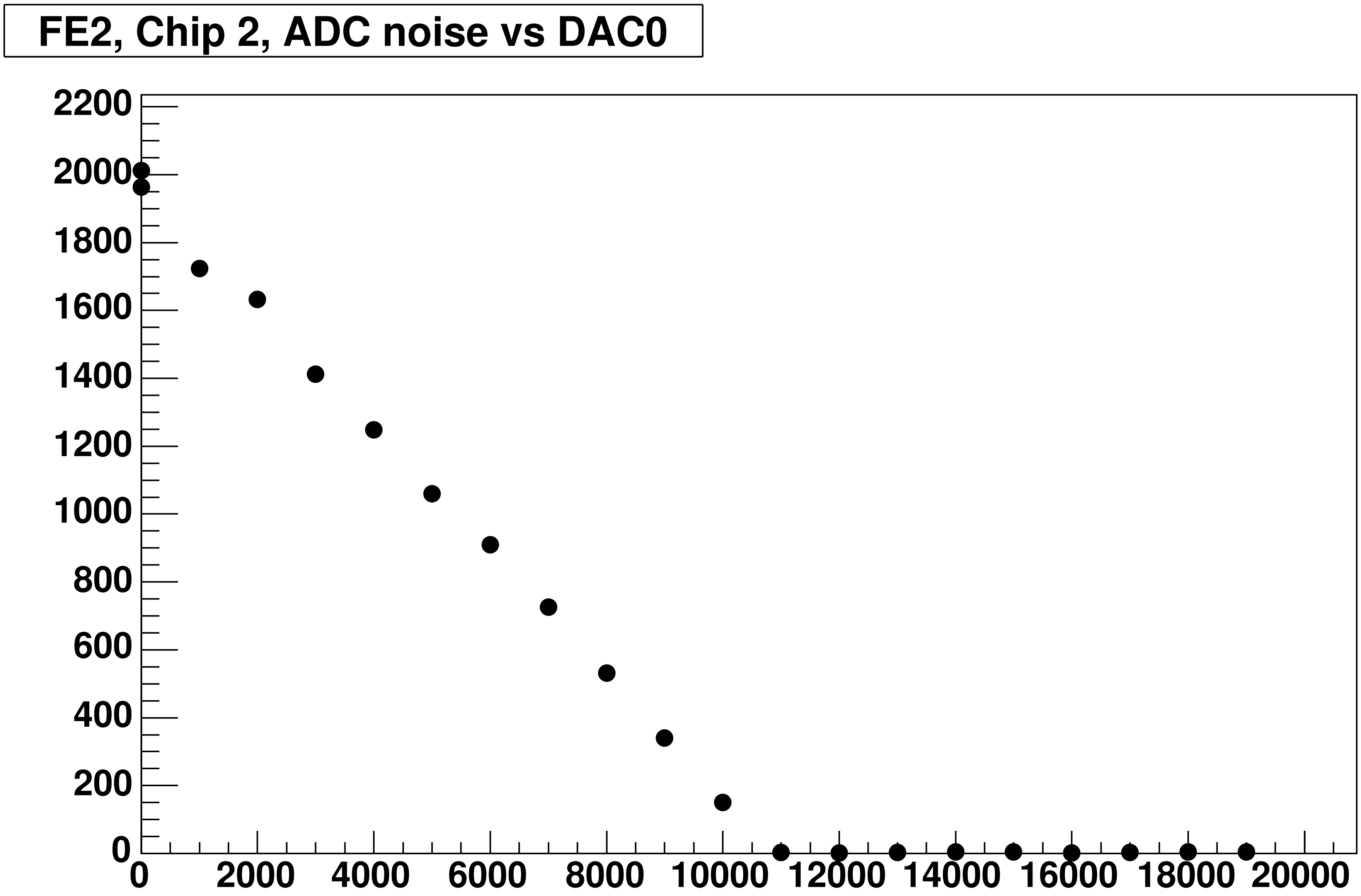


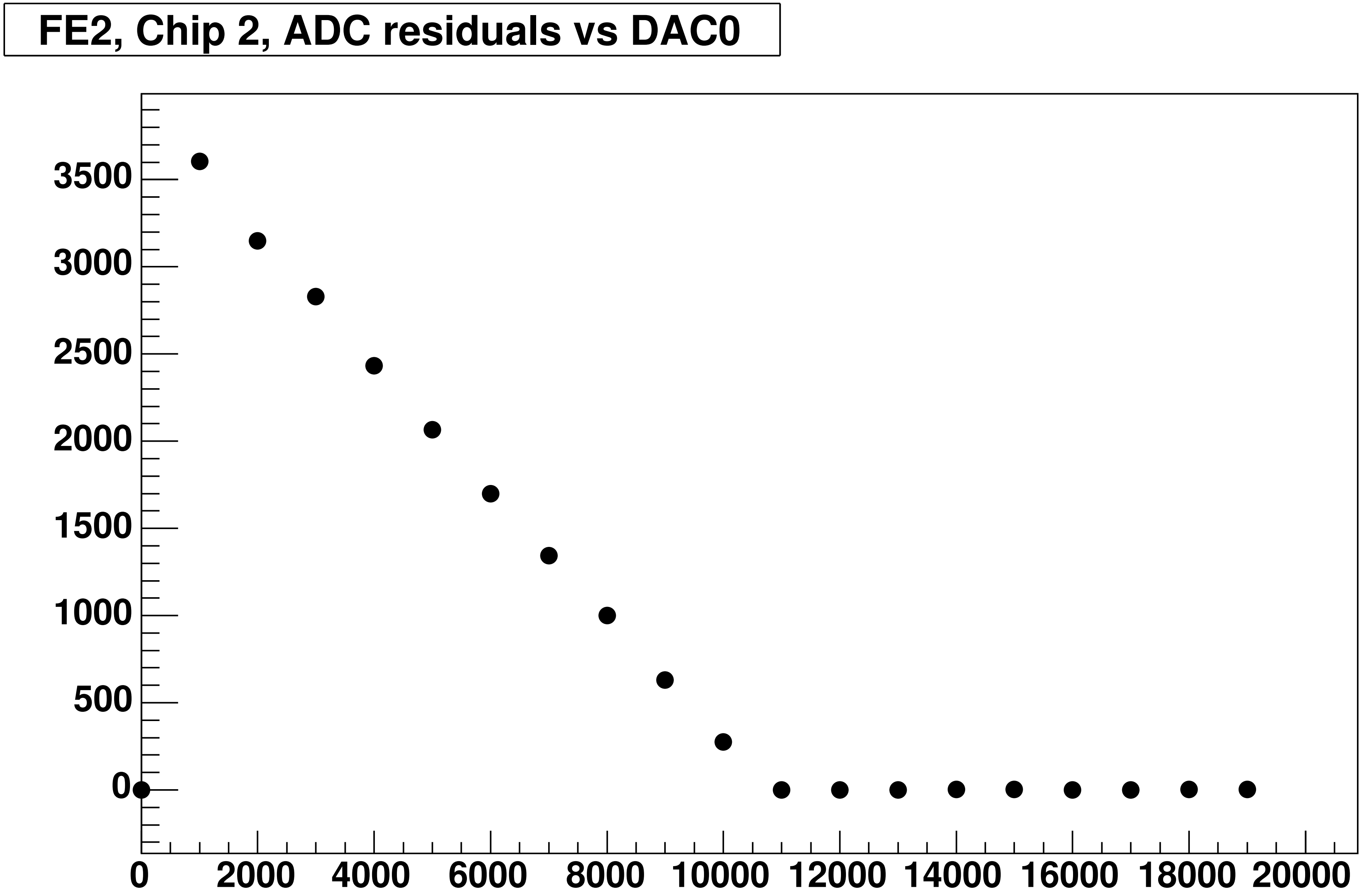
FE2, Chip 1, ADC mean vs DAC1
χ^2 / ndf 92.81 / 17
p0 3912 ± 14.01
p1 6.884e-05 ± 0.001222
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

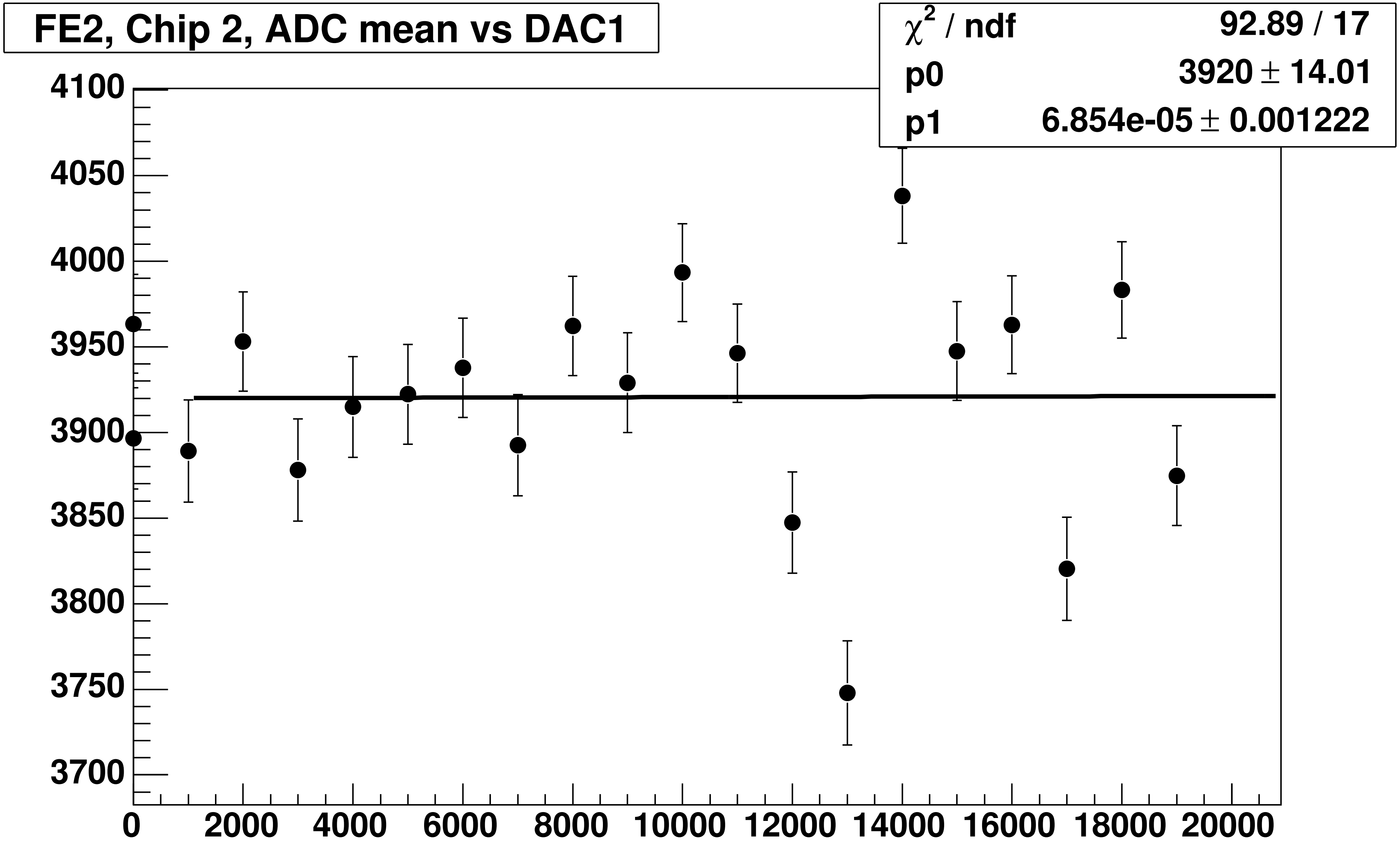

FE2, Chip 1, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

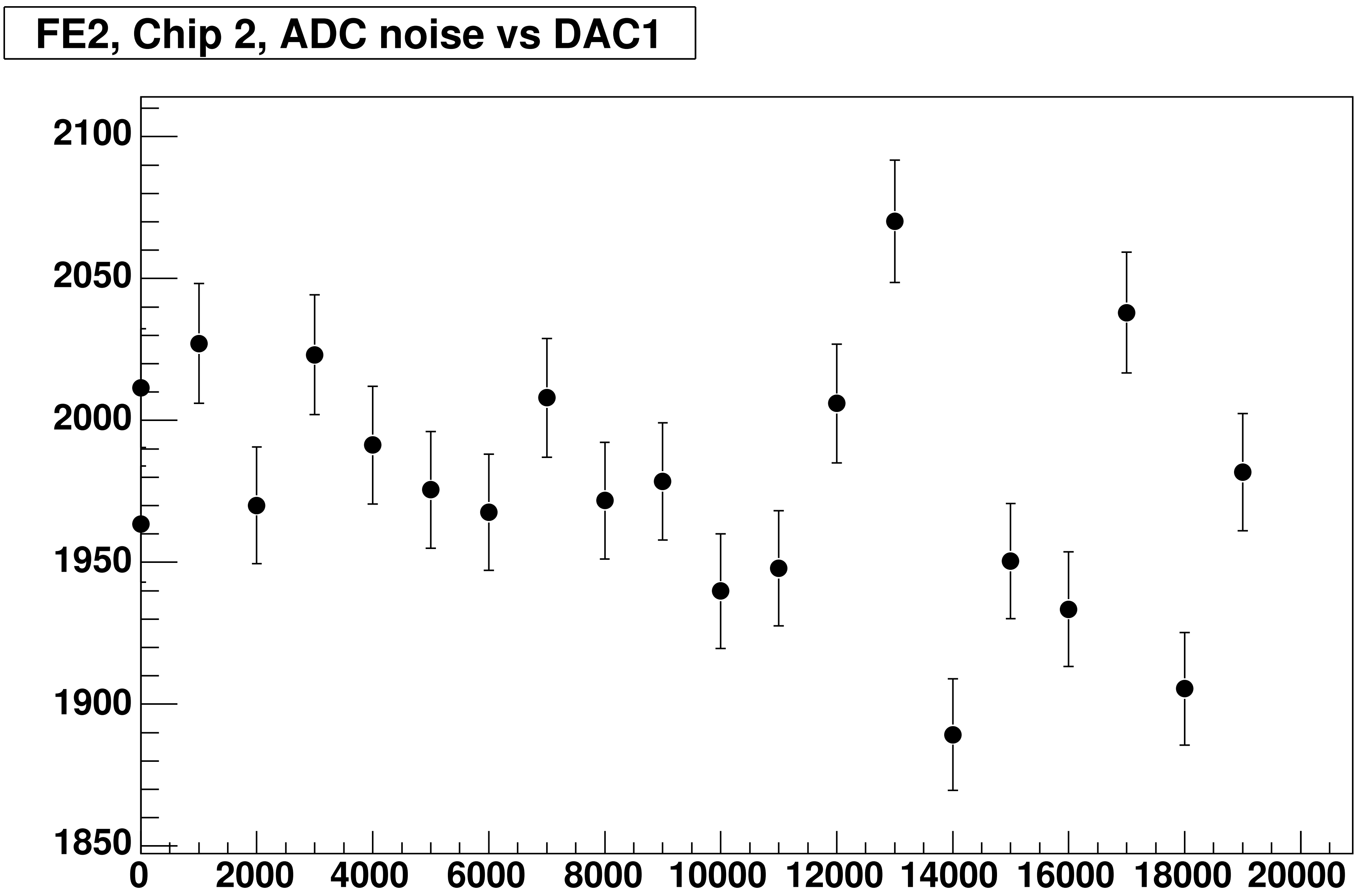

FE2, Chip 1, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

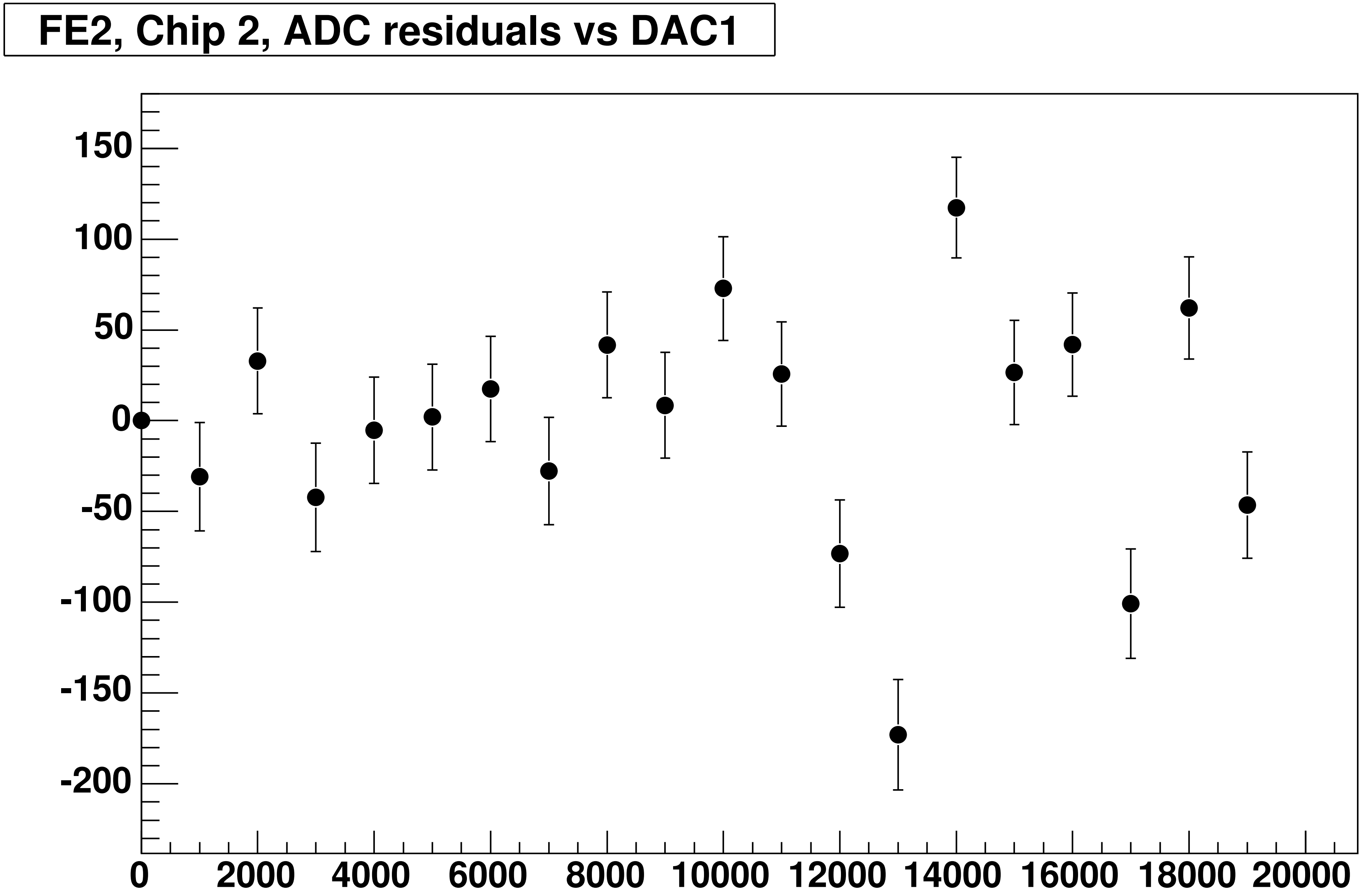

FE2, Chip 2, ADC mean vs DAC0
χ^2 / ndf 1.772e+05 / 17
p0 61.56 ± 0.07562
p1 0.4518 ± 5.27e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

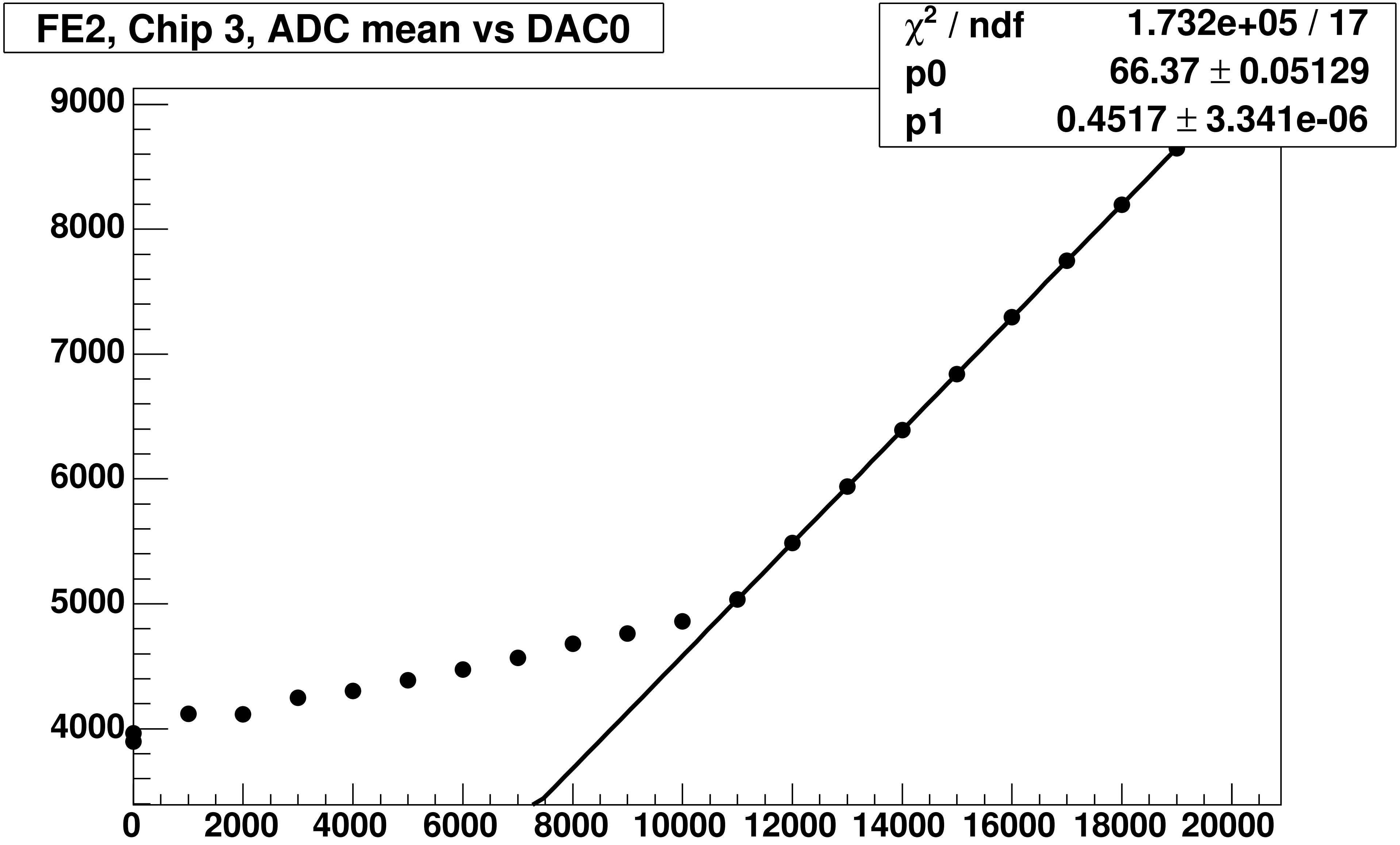

FE2, Chip 2, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 2, ADC residuals vs DAC0
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

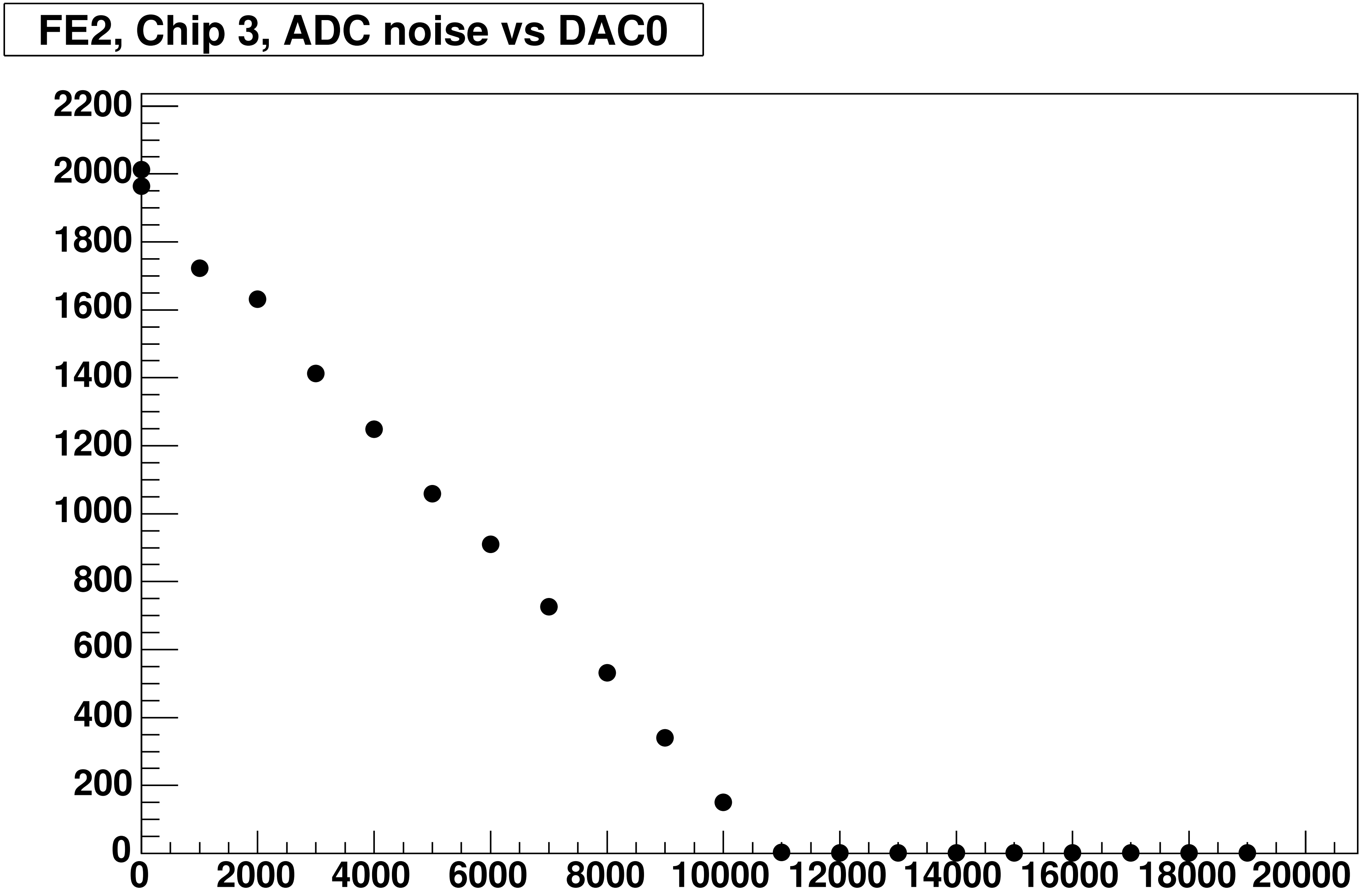

FE2, Chip 2, ADC mean vs DAC1
χ^2 / ndf 92.89 / 17
p0 3920 ± 14.01
p1 6.854e-05 ± 0.001222
4100
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

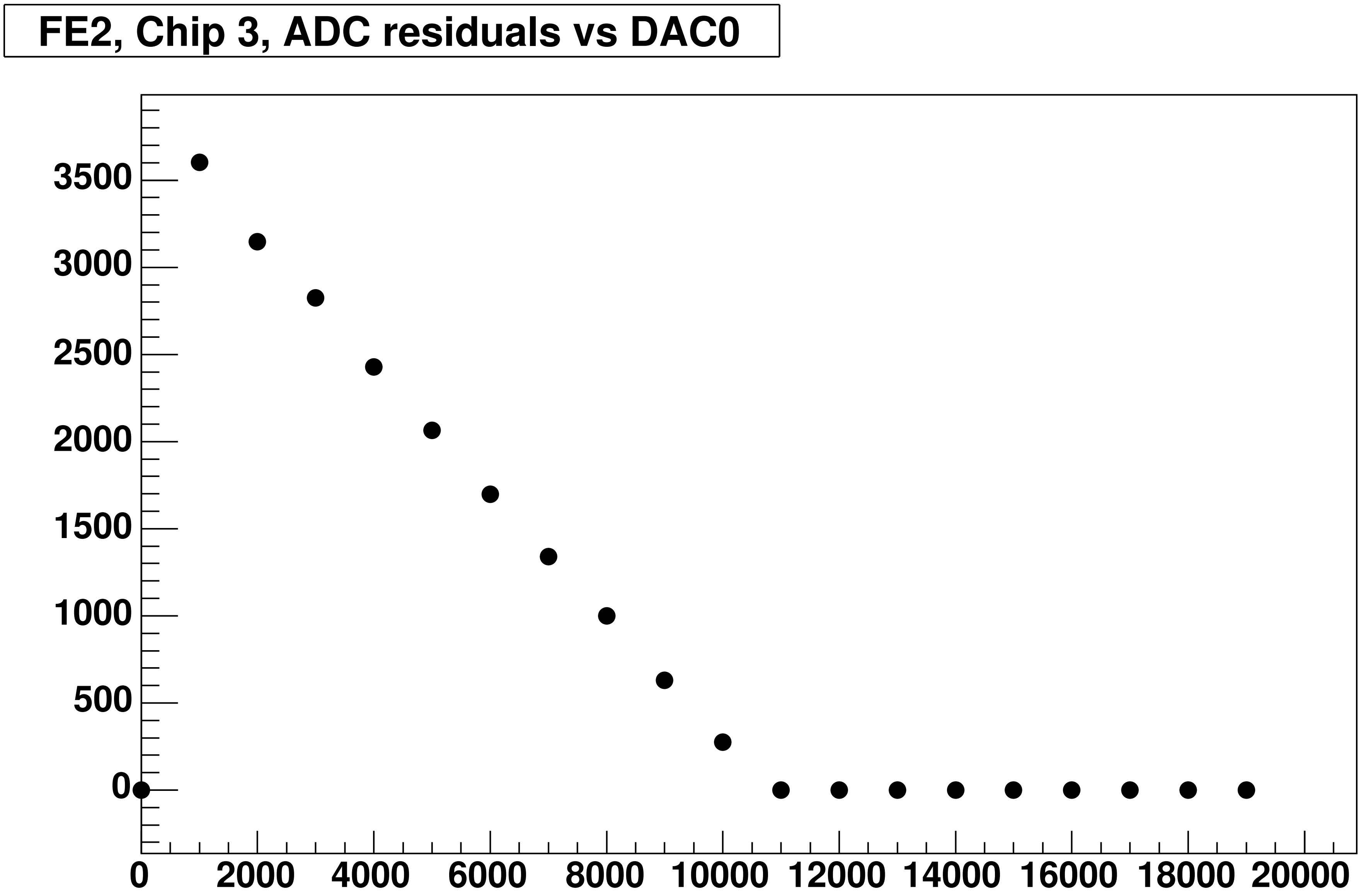

FE2, Chip 2, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

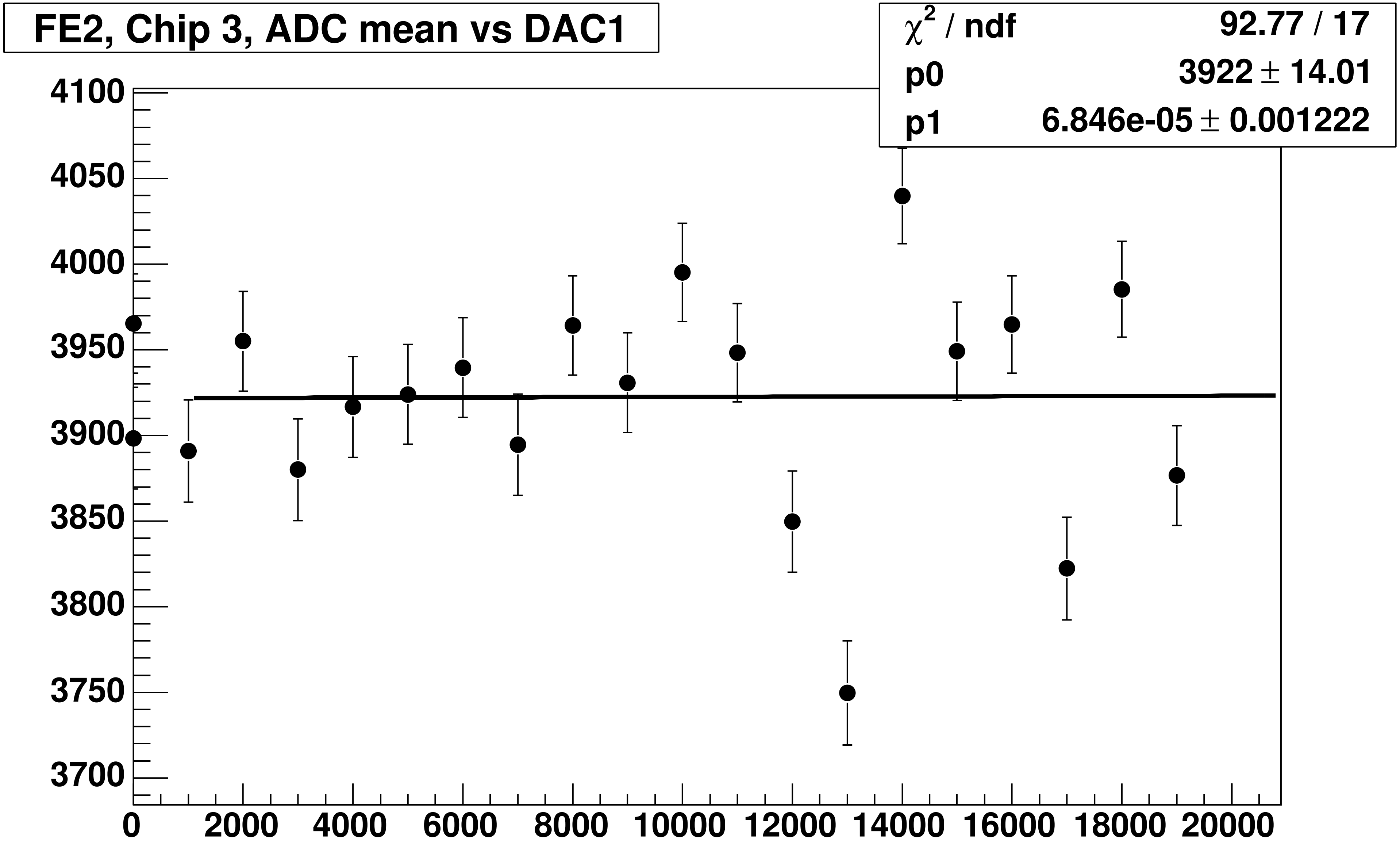

FE2, Chip 2, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



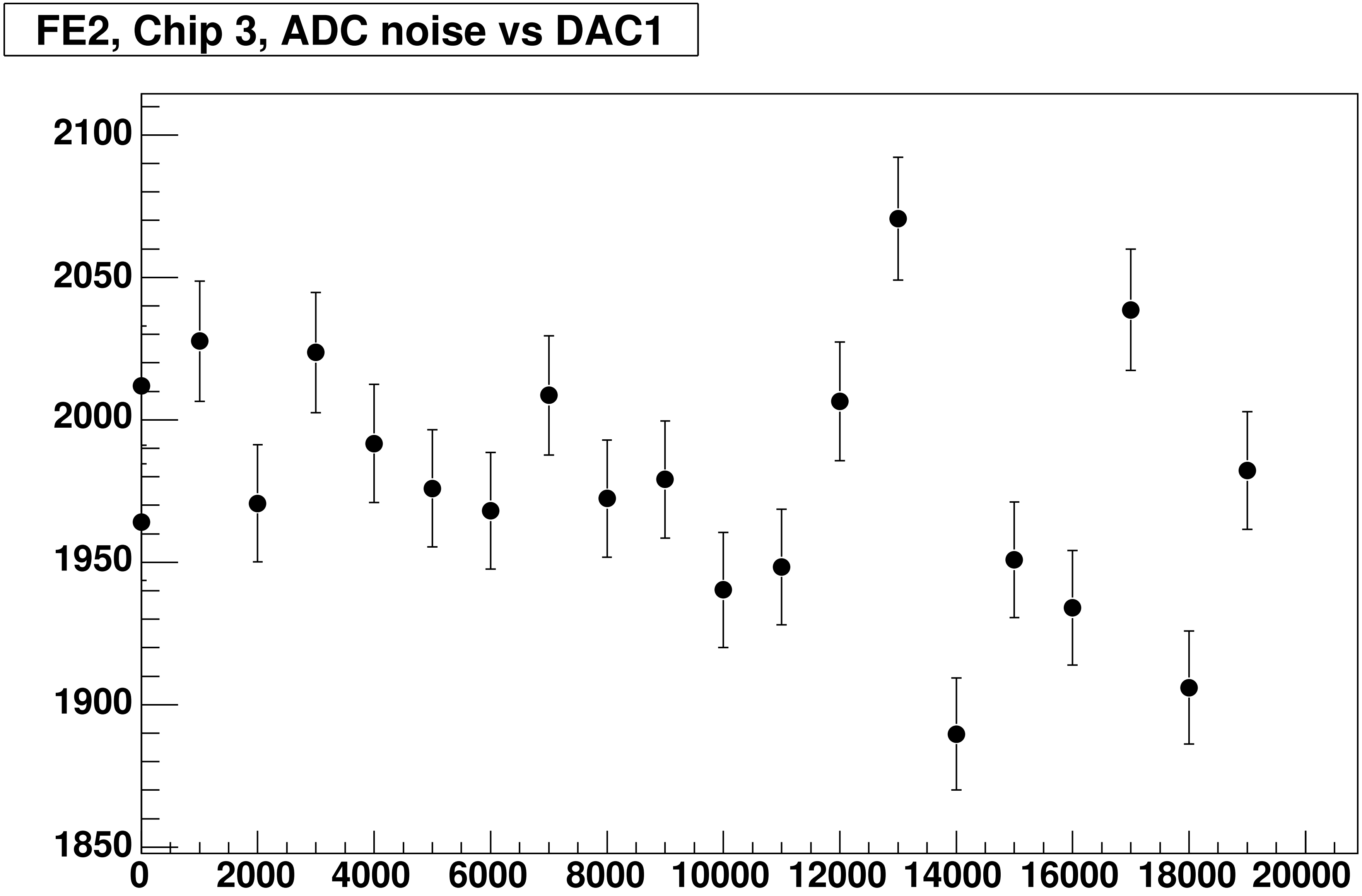
FE2, Chip 3, ADC mean vs DAC0
χ² / ndf 1.732e+05 / 17
p0 66.37 ± 0.05129
p1 0.4517 ± 3.341e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

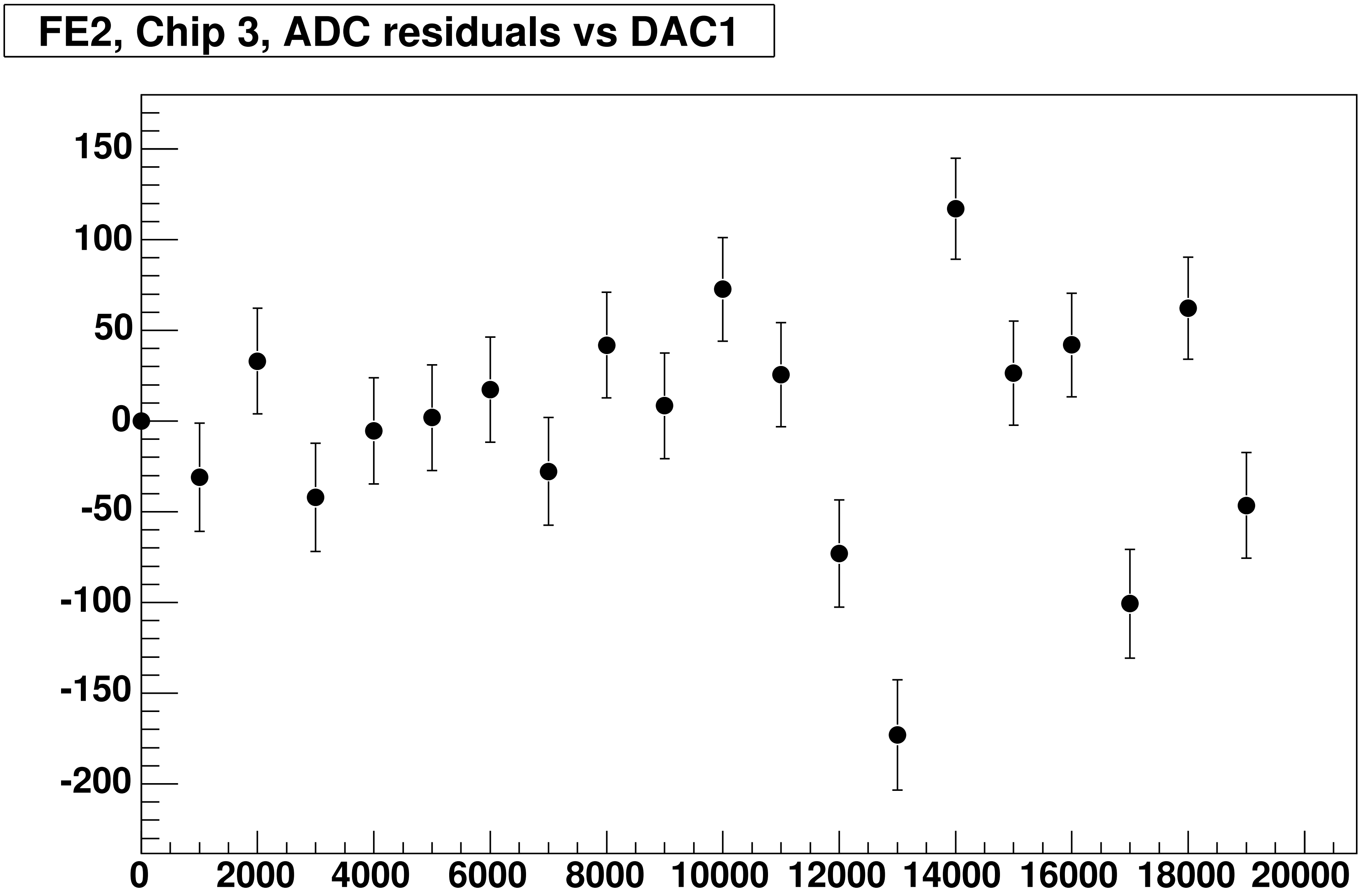

FE2, Chip 3, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

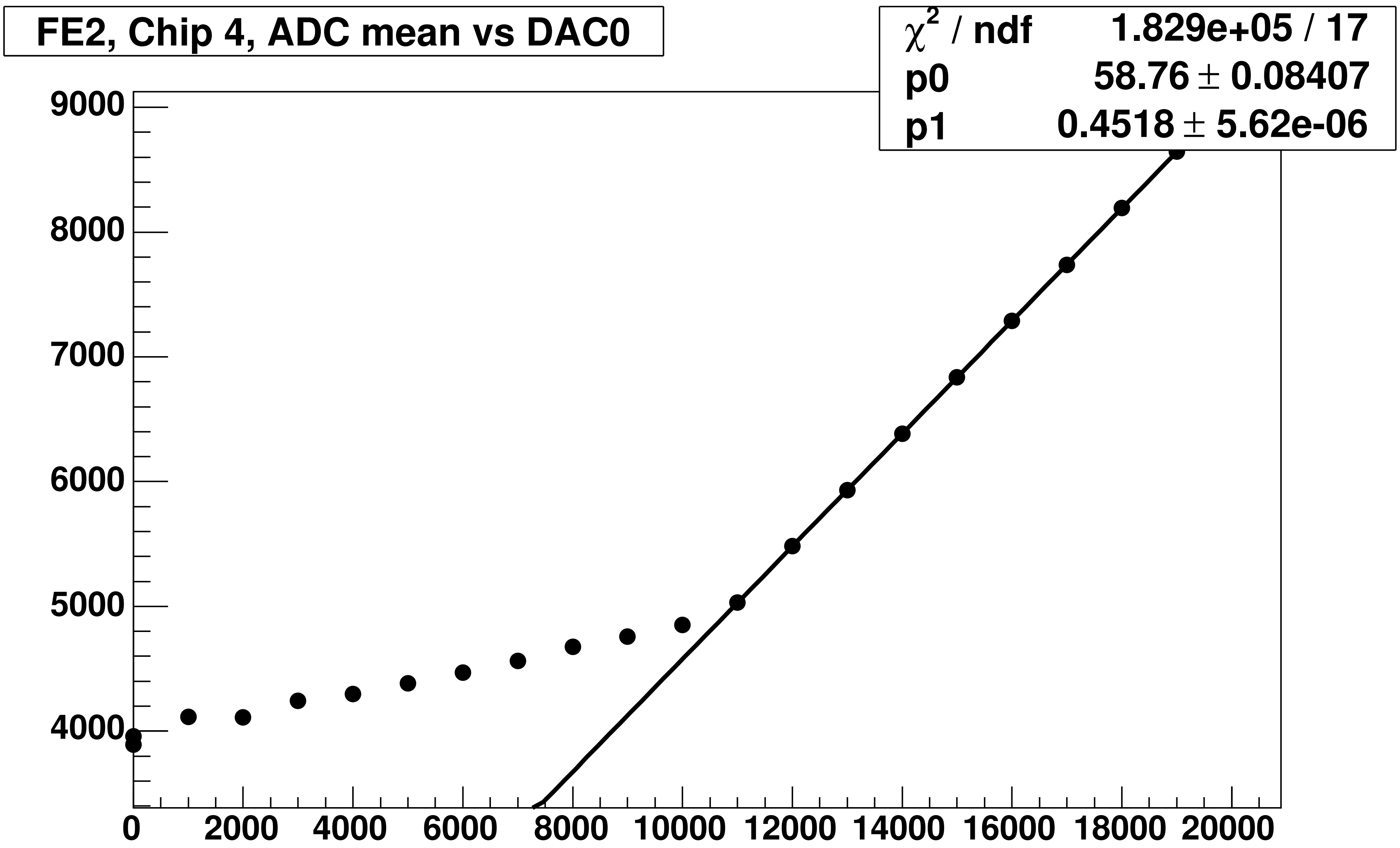

FE2, Chip 3, ADC residuals vs DAC0
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

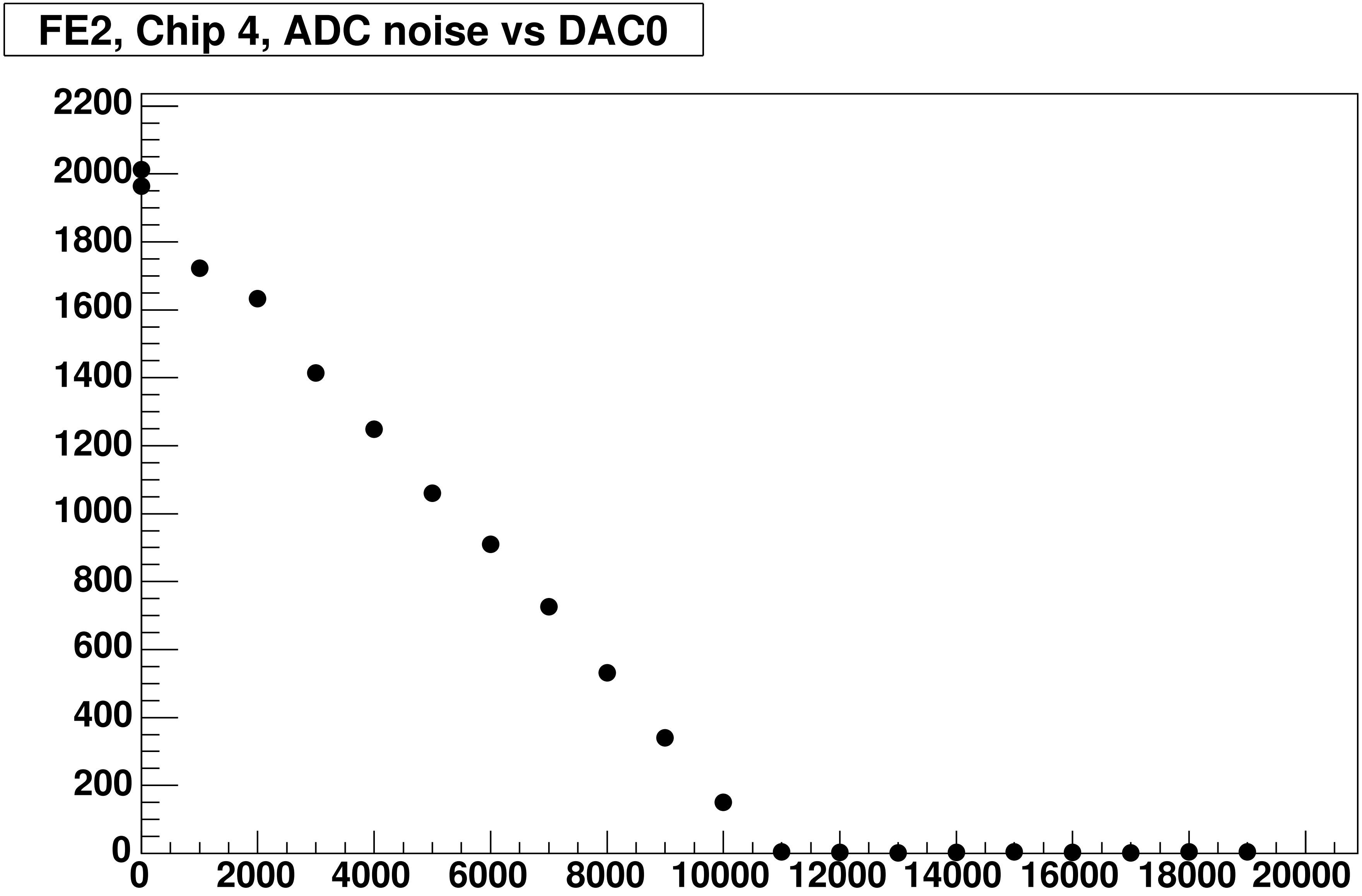


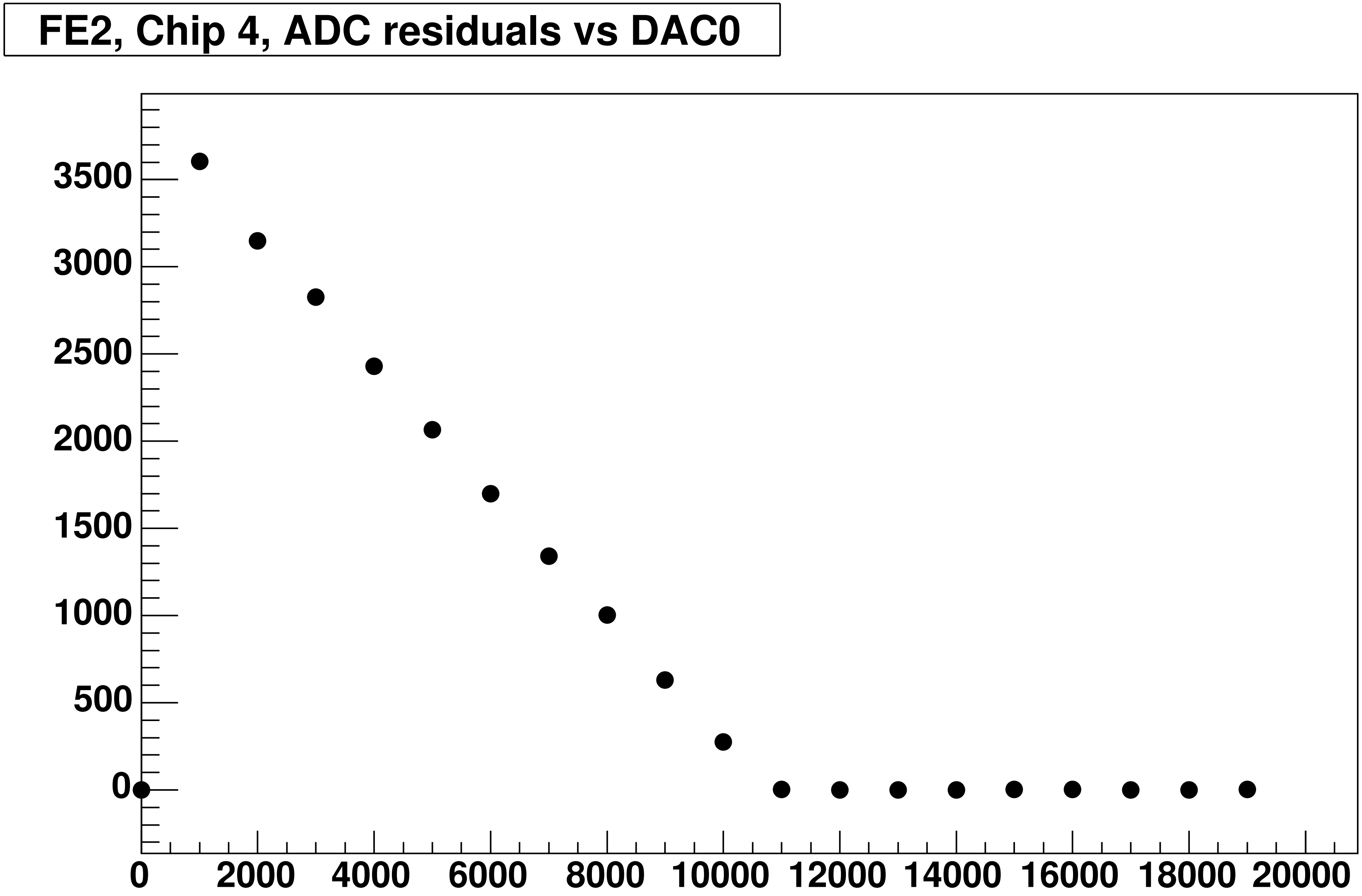
FE2, Chip 3, ADC mean vs DAC1
χ^2 / ndf 92.77 / 17
p0 3922 ± 14.01
p1 6.846e-05 ± 0.001222
4100
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

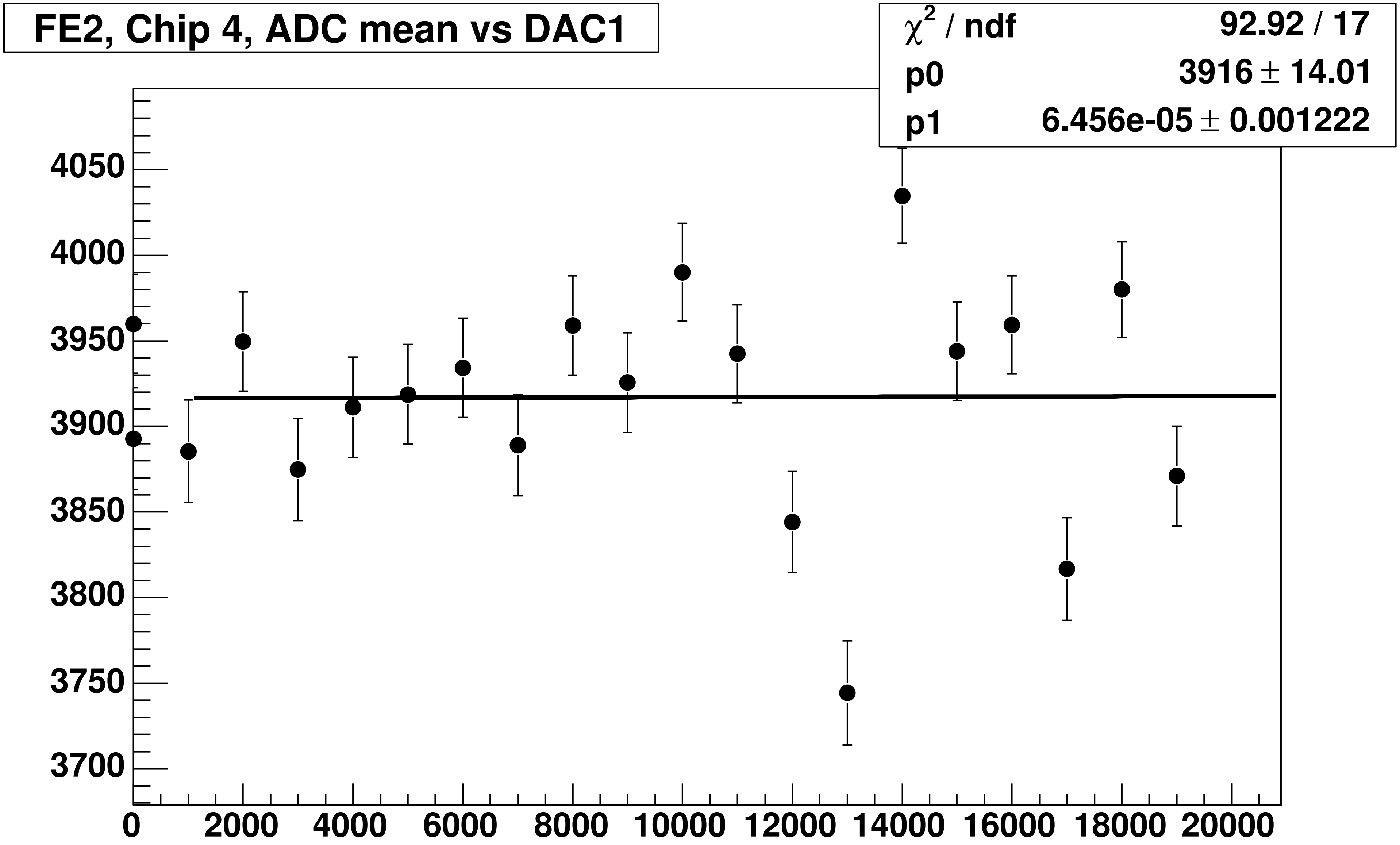

FE2, Chip 3, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

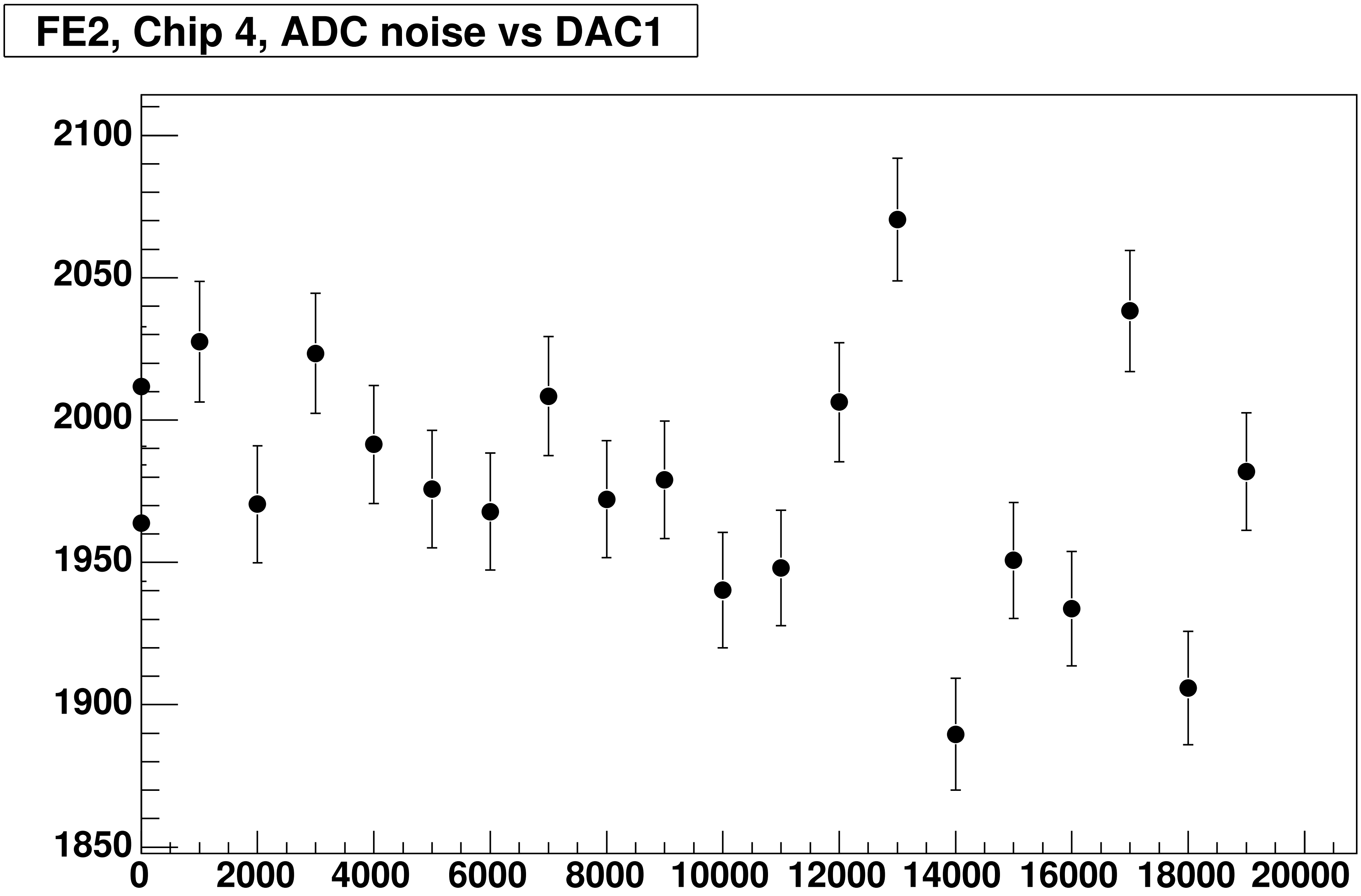

FE2, Chip 3, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

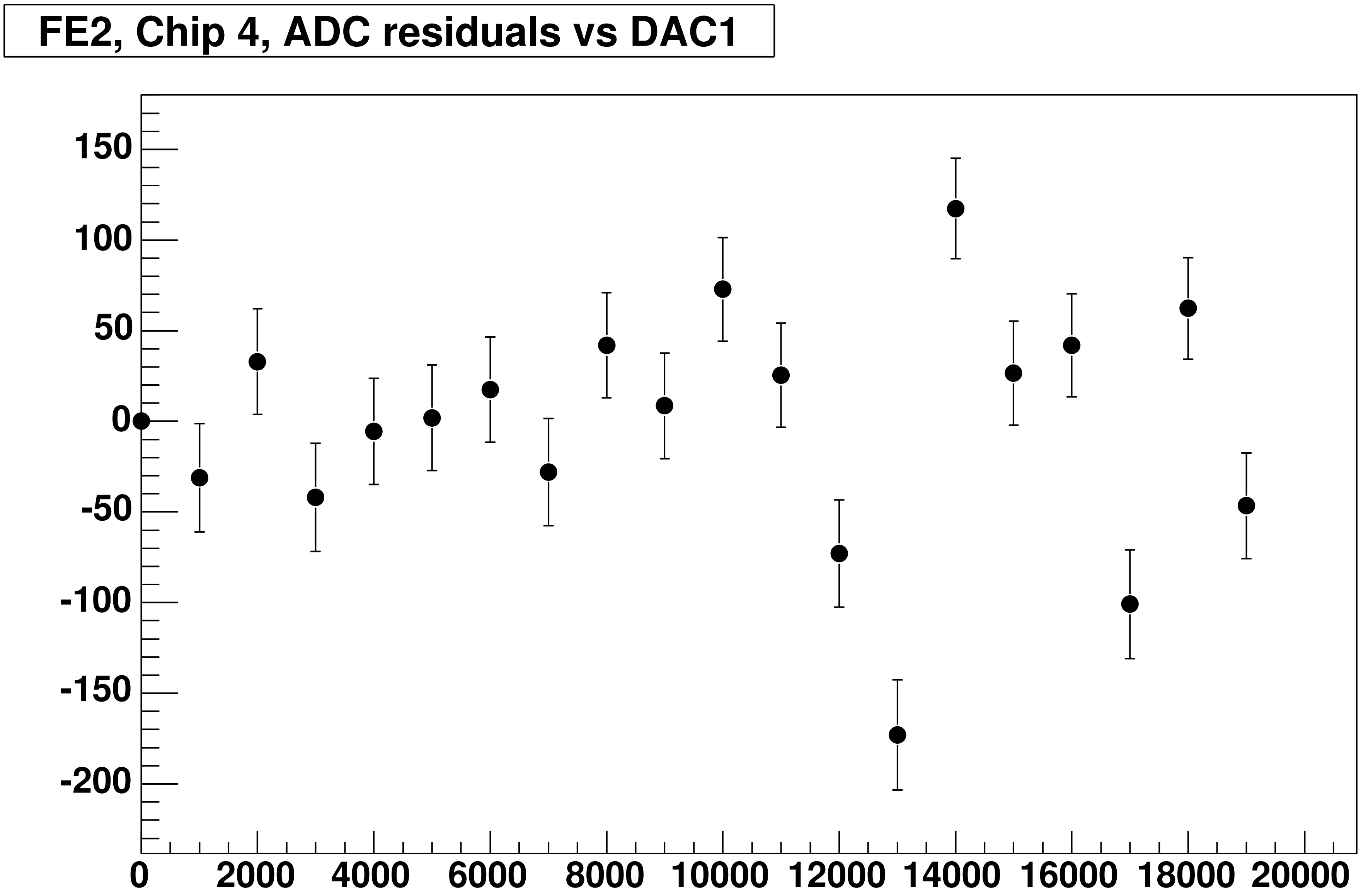

FE2, Chip 4, ADC mean vs DAC0
χ^2 / ndf 1.829e+05 / 17
p0 58.76 ± 0.08407
p1 0.4518 ± 5.62e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

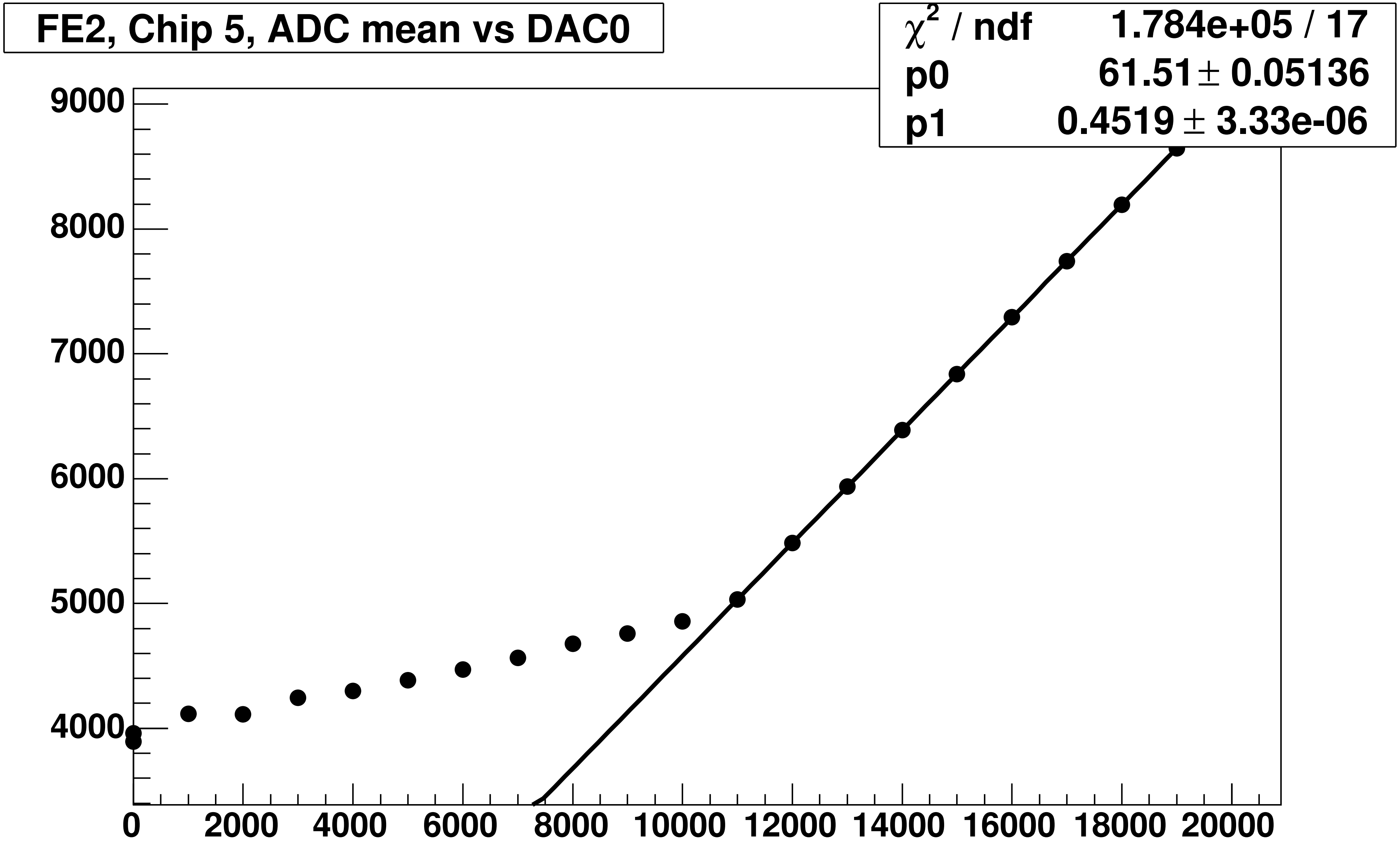

FE2, Chip 4, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 4, ADC residuals vs DAC0
0
500
1000
1500
2000
2500
3000
3500
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

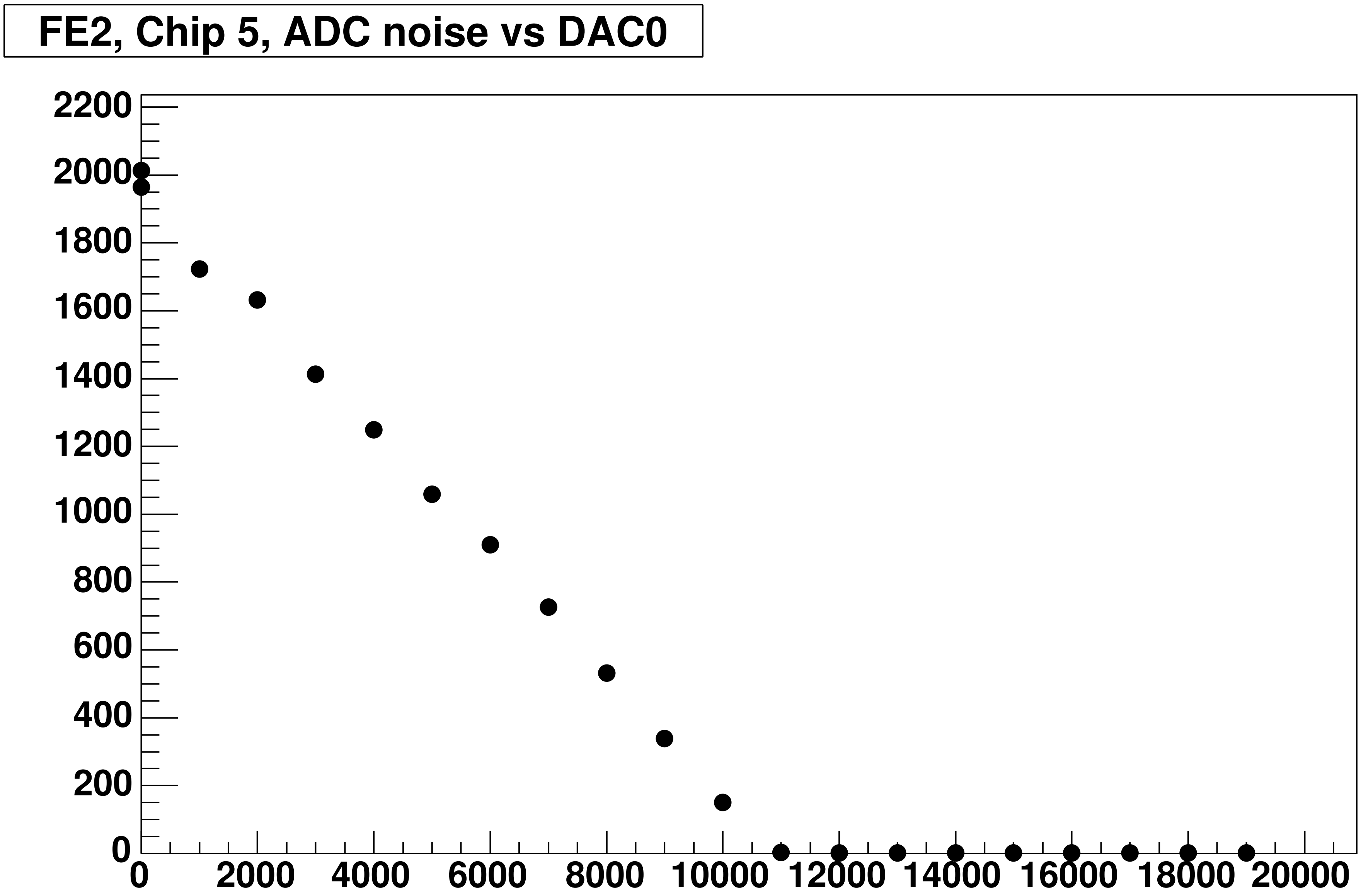

FE2, Chip 4, ADC mean vs DAC1
χ^2 / ndf 92.92 / 17
p0 3916 ± 14.01
p1 6.456e-05 ± 0.001222
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

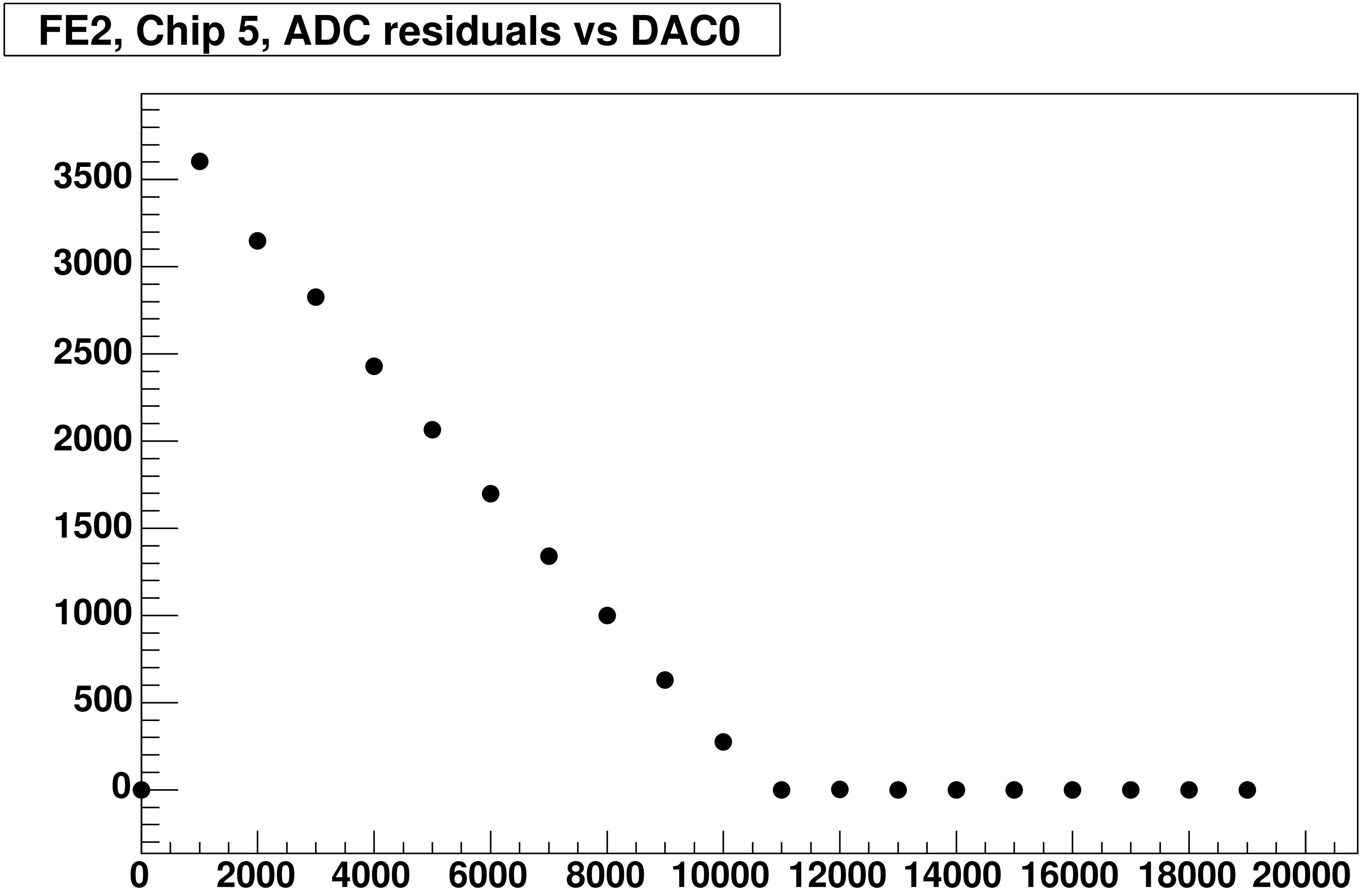

FE2, Chip 4, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

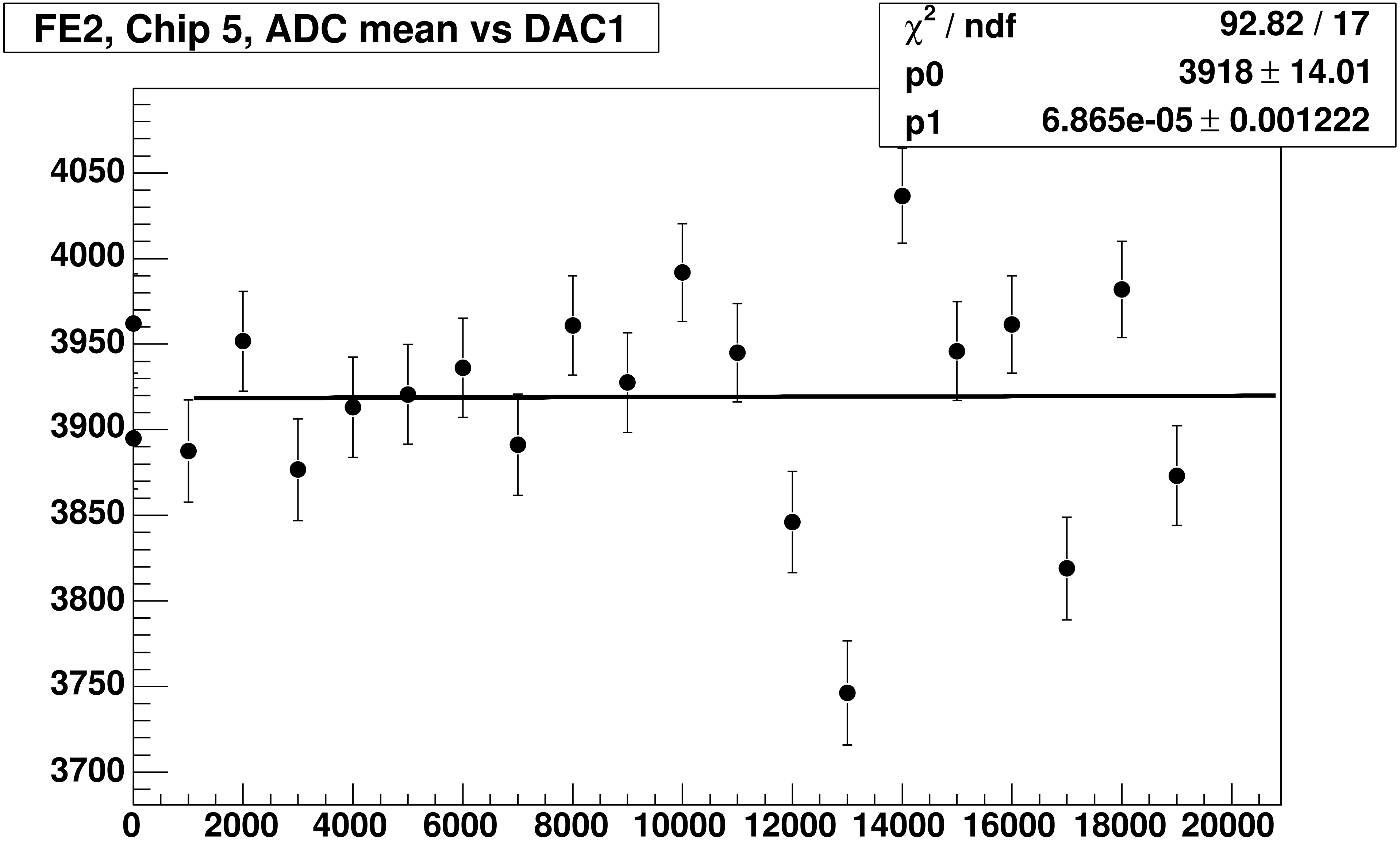

FE2, Chip 4, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

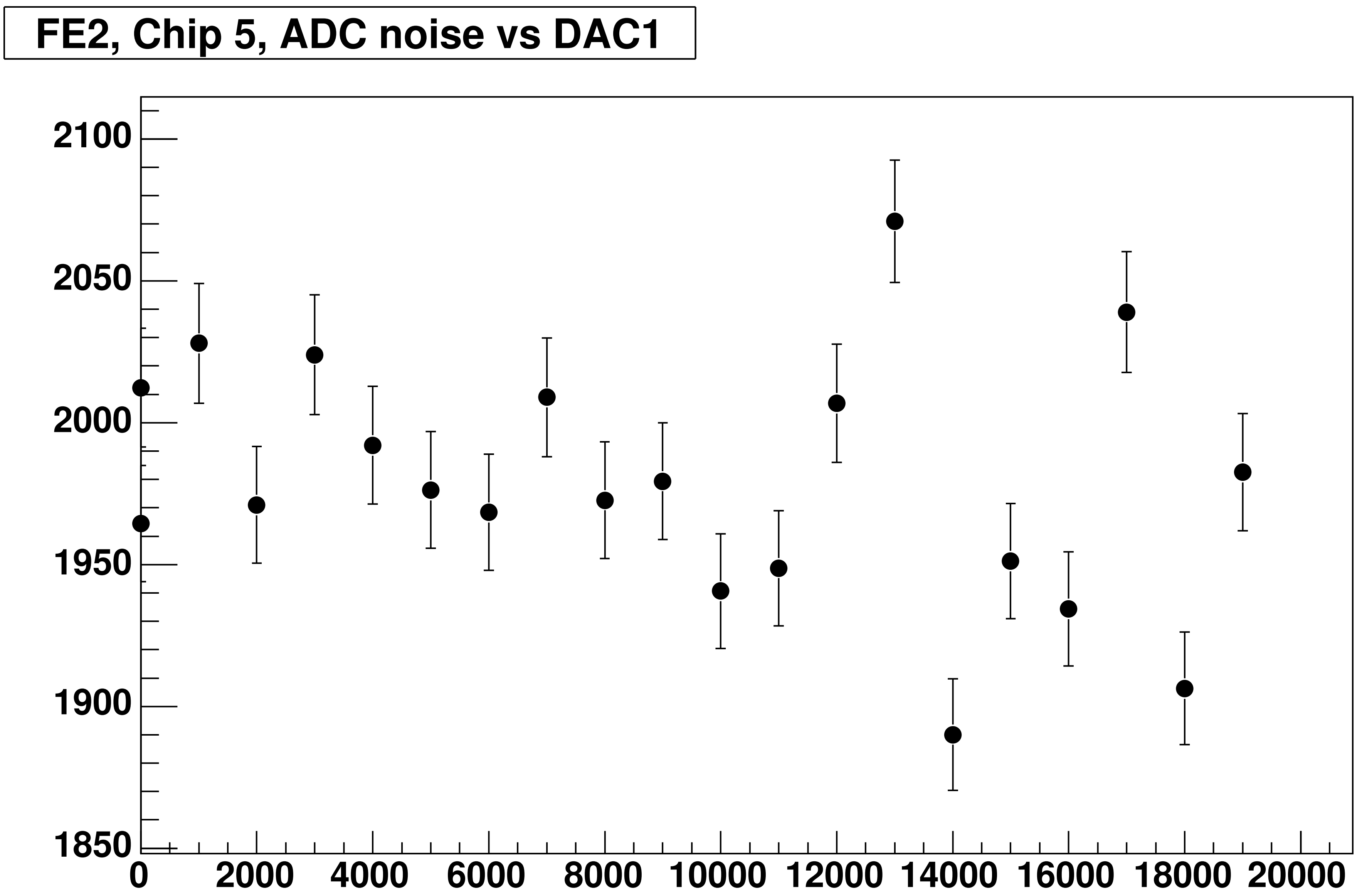


FE2, Chip 5, ADC mean vs DAC0
χ^2 / ndf 1.784e+05 / 17
p0 61.51 ± 0.05136
p1 0.4519 ± 3.33e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

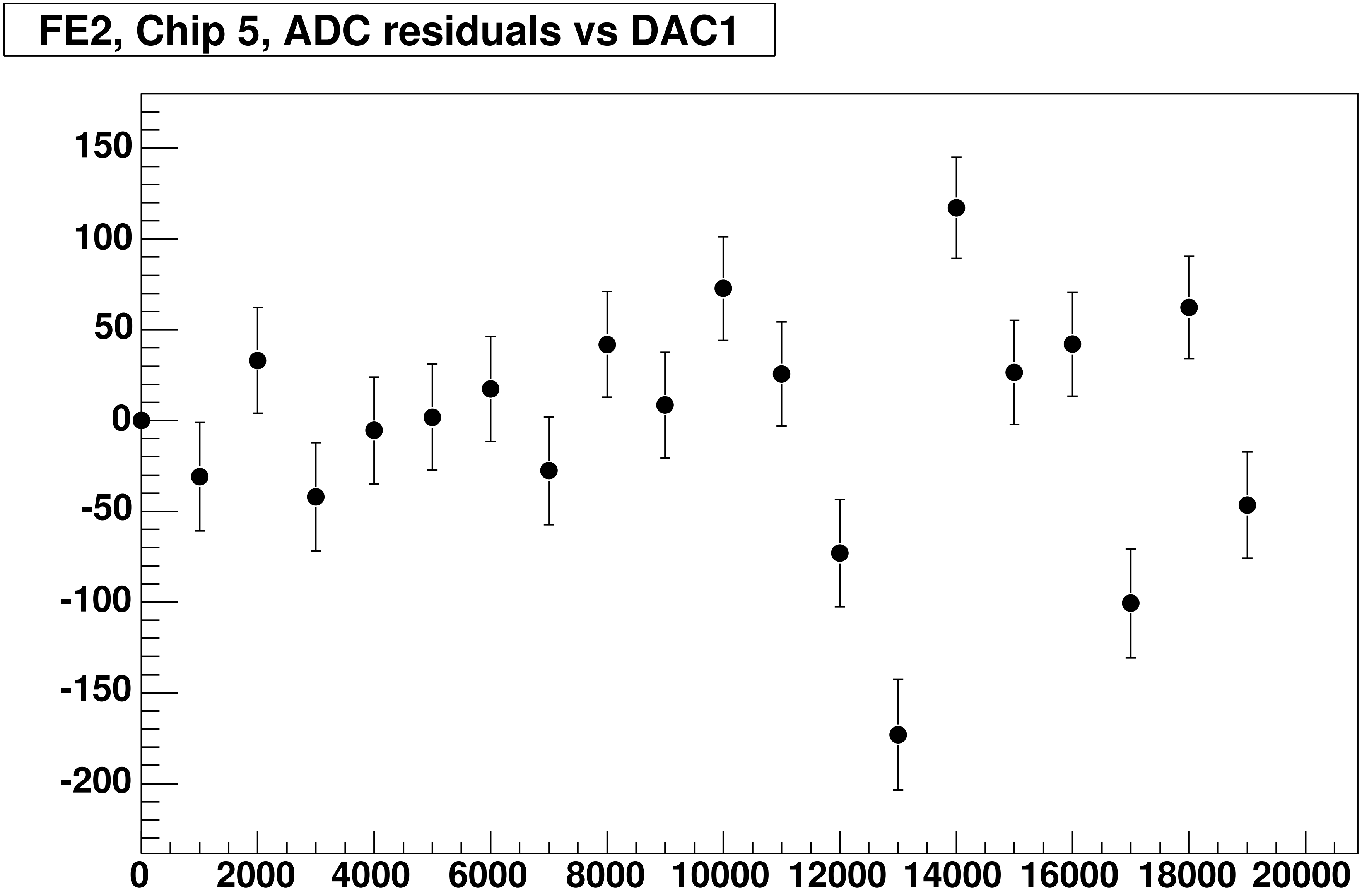

FE2, Chip 5, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

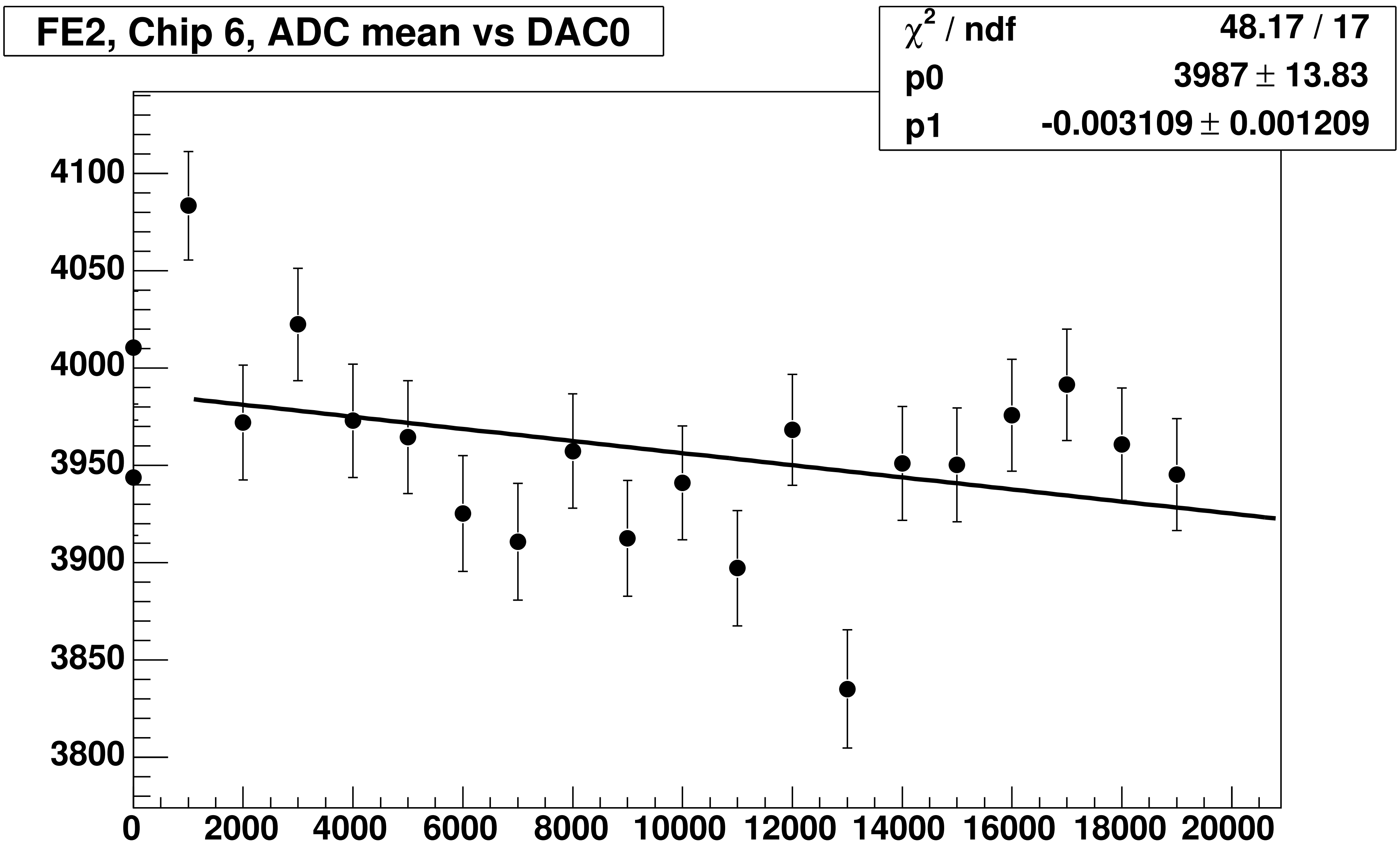

FE2, Chip 5, ADC residuals vs DAC0
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

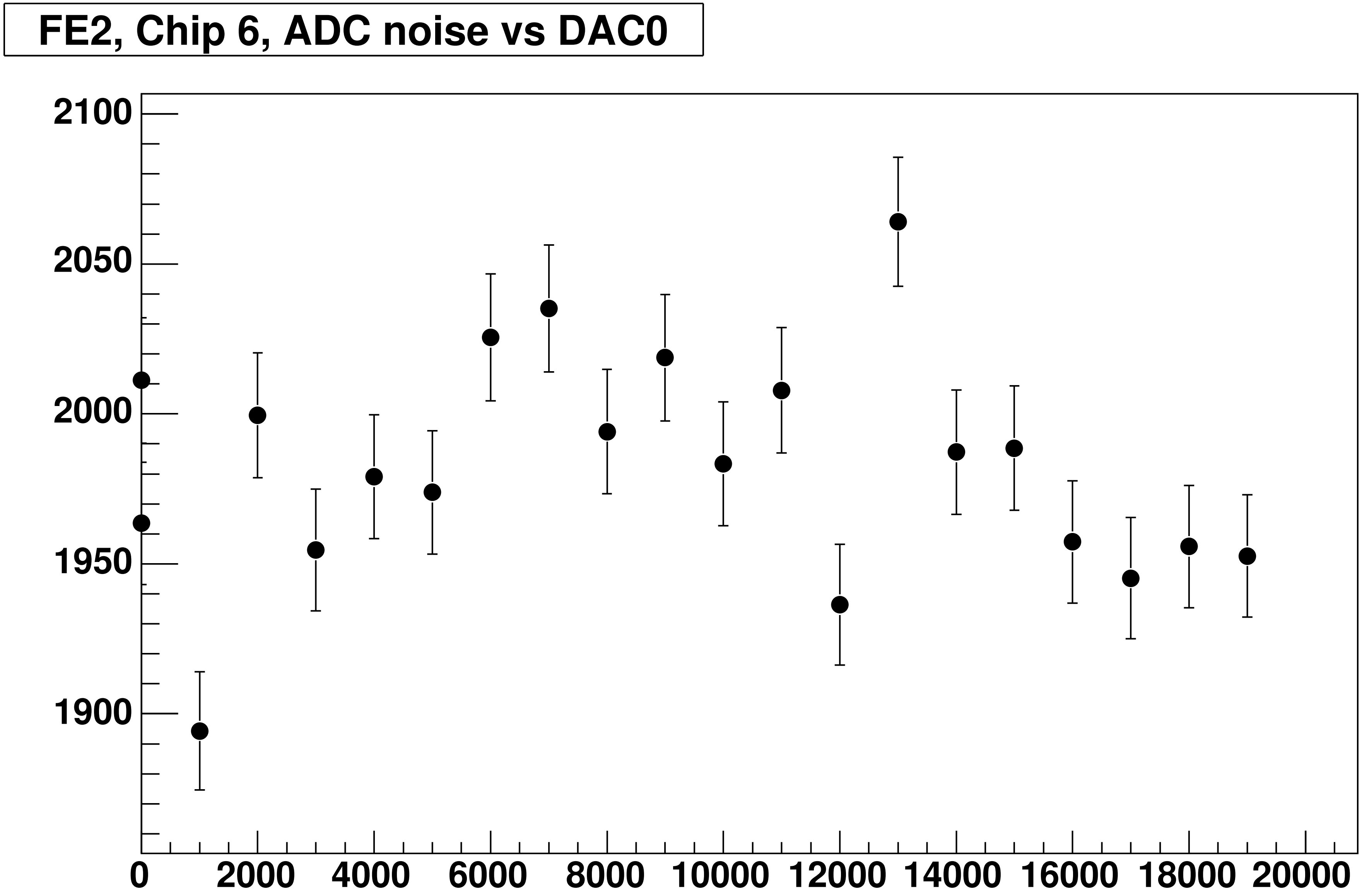

FE2, Chip 5, ADC mean vs DAC1
χ^2 / ndf 92.82 / 17
p0 3918 ± 14.01
p1 6.865e-05 ± 0.001222
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

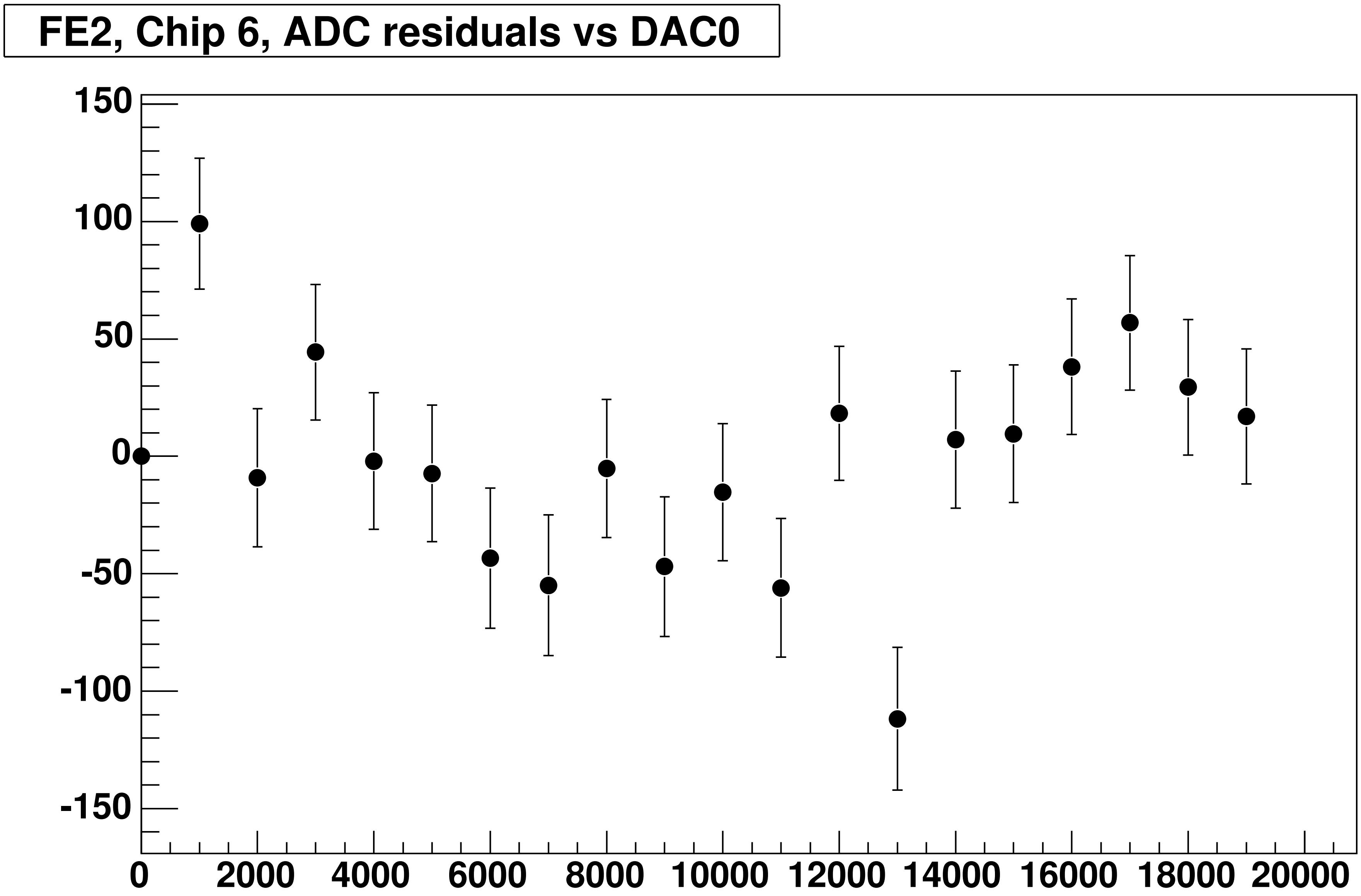


FE2, Chip 5, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

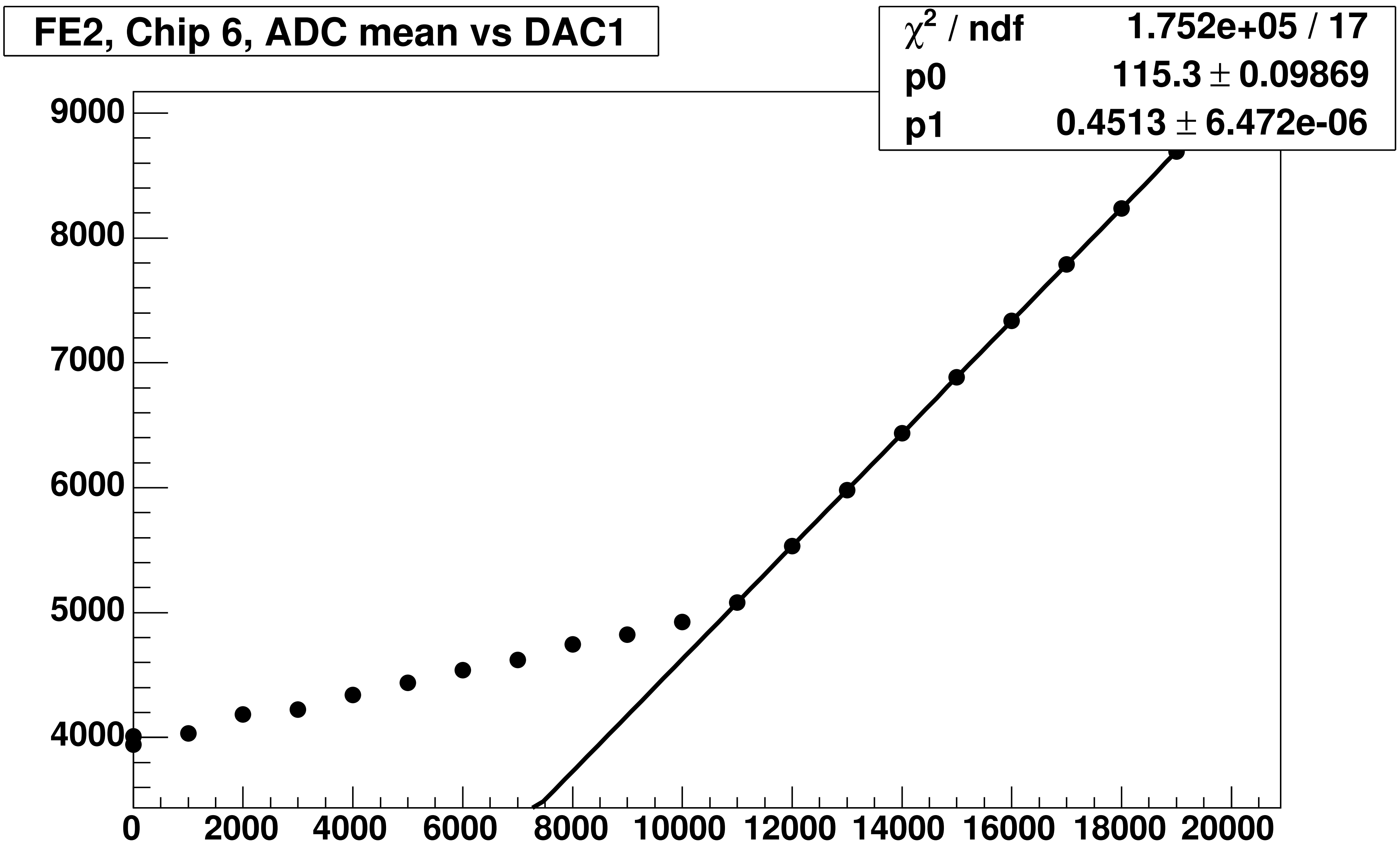

FE2, Chip 5, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

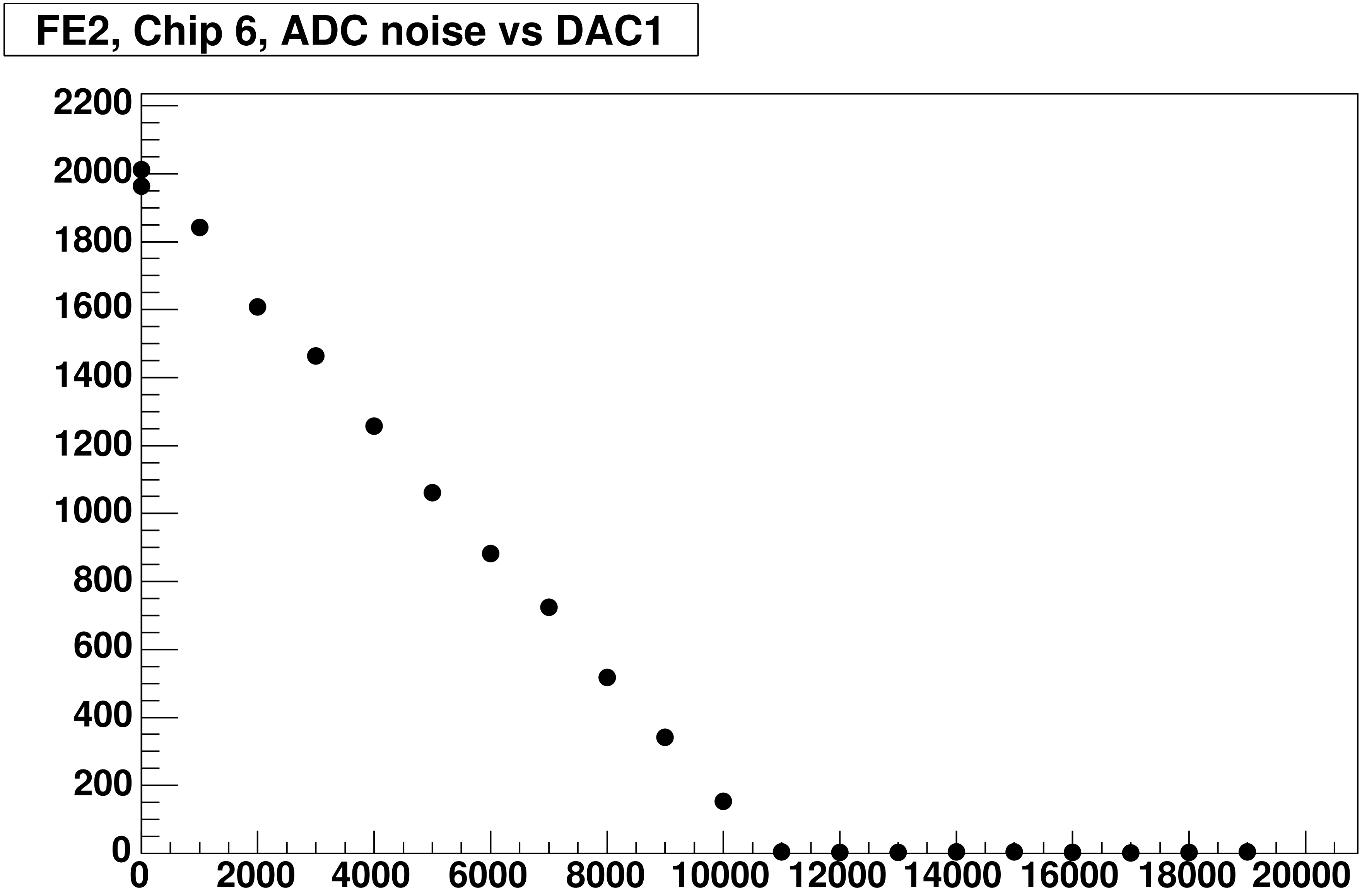

FE2, Chip 6, ADC mean vs DAC0
χ2 / ndf 48.17 / 17
p0 3987 ± 13.83
p1 -0.003109 ± 0.001209
4100
4050
4000
3950
3900
3850
3800
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 6, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

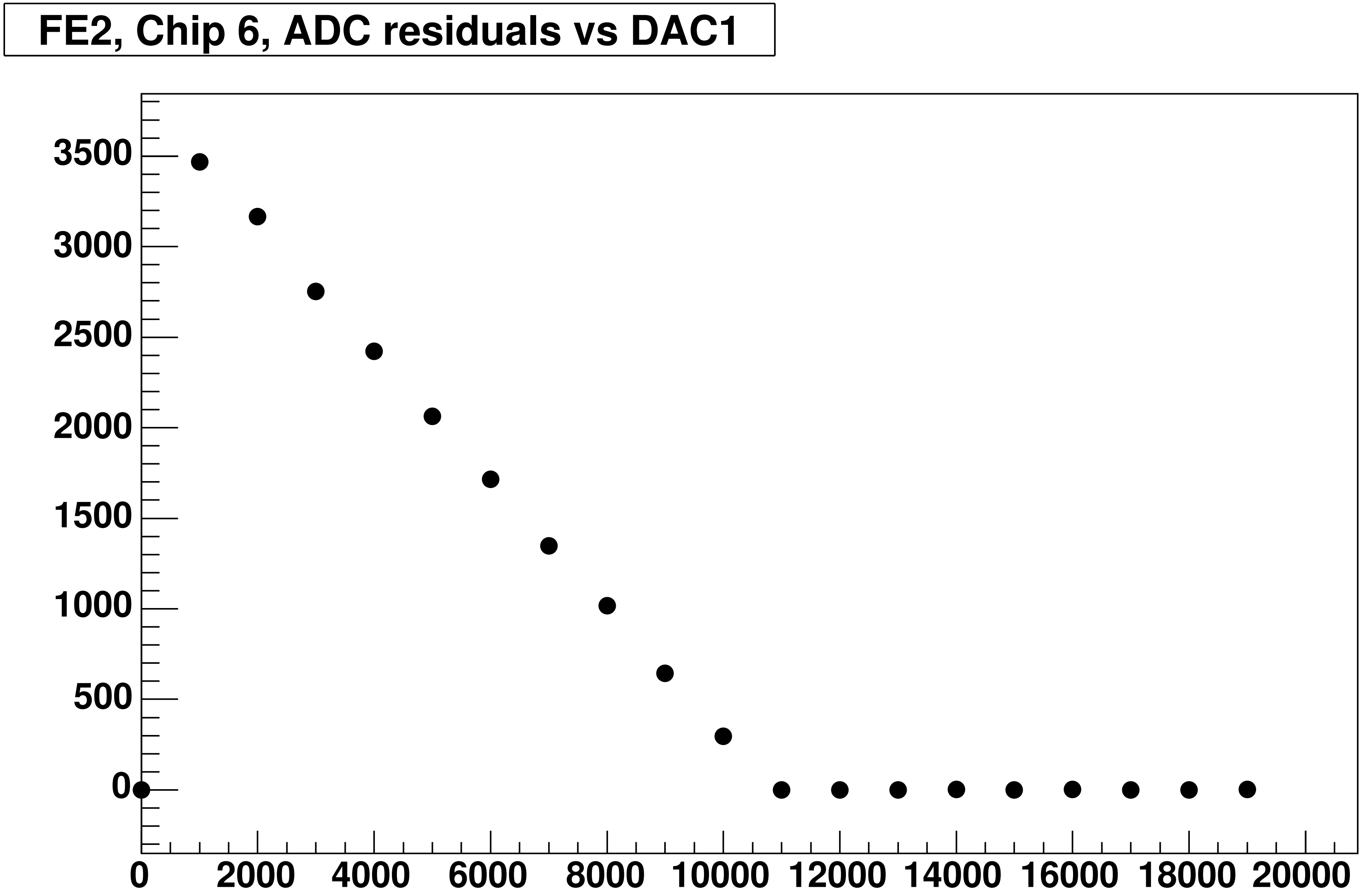


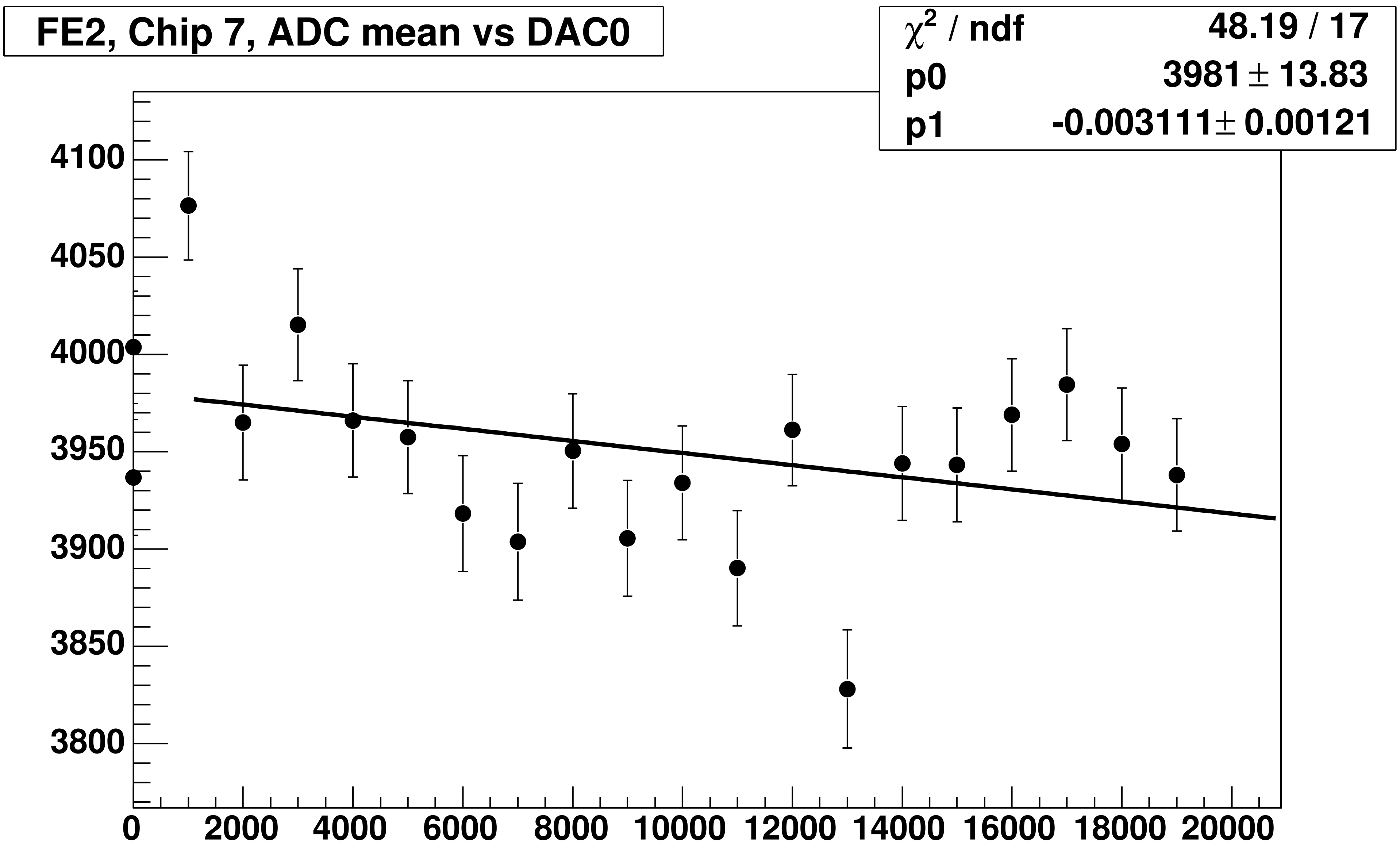
FE2, Chip 6, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

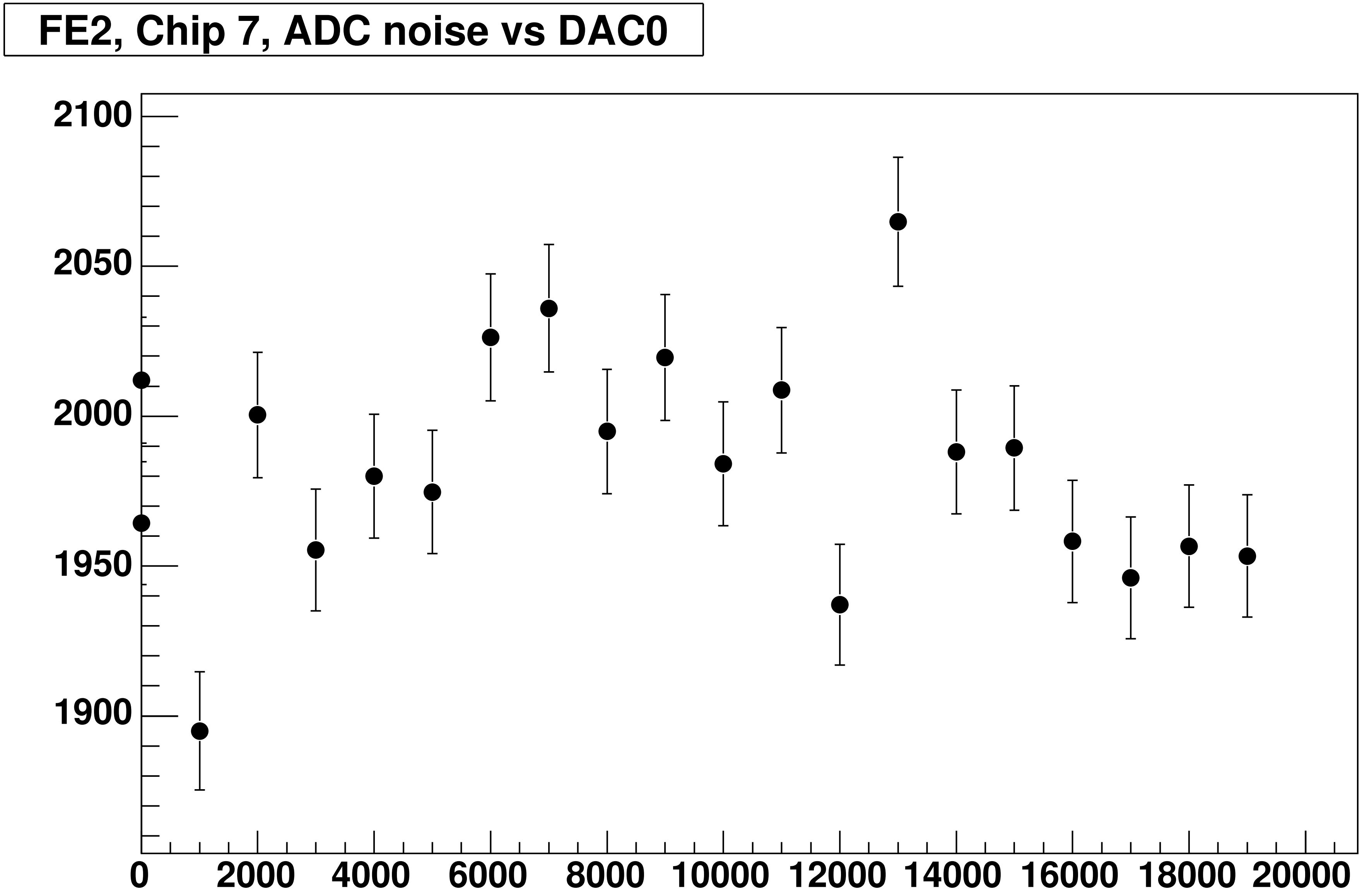

FE2, Chip 6, ADC mean vs DAC1
χ^2 / ndf 1.752e+05 / 17
p0 115.3 ± 0.09869
p1 0.4513 ± 6.472e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

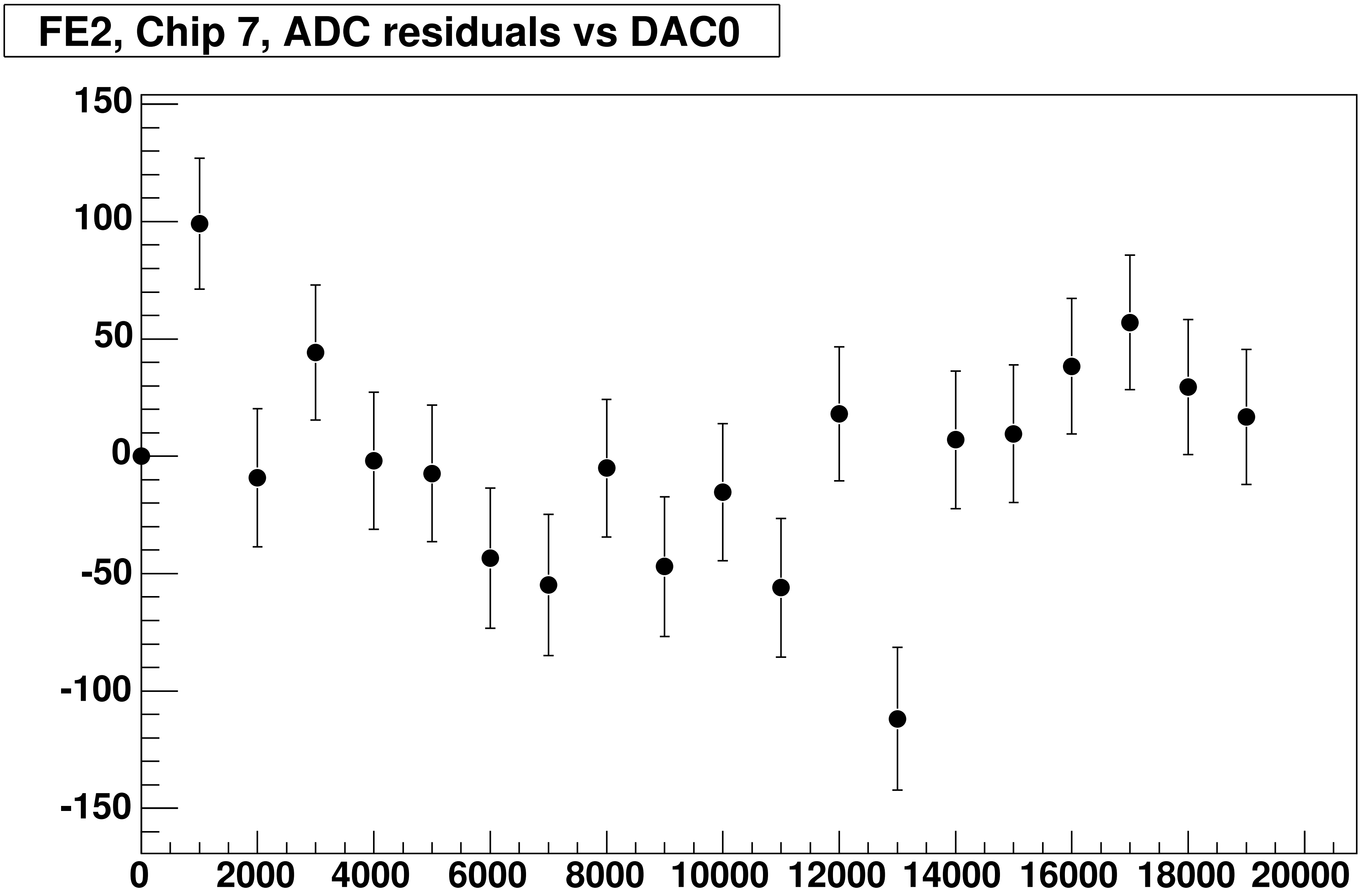


FE2, Chip 6, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

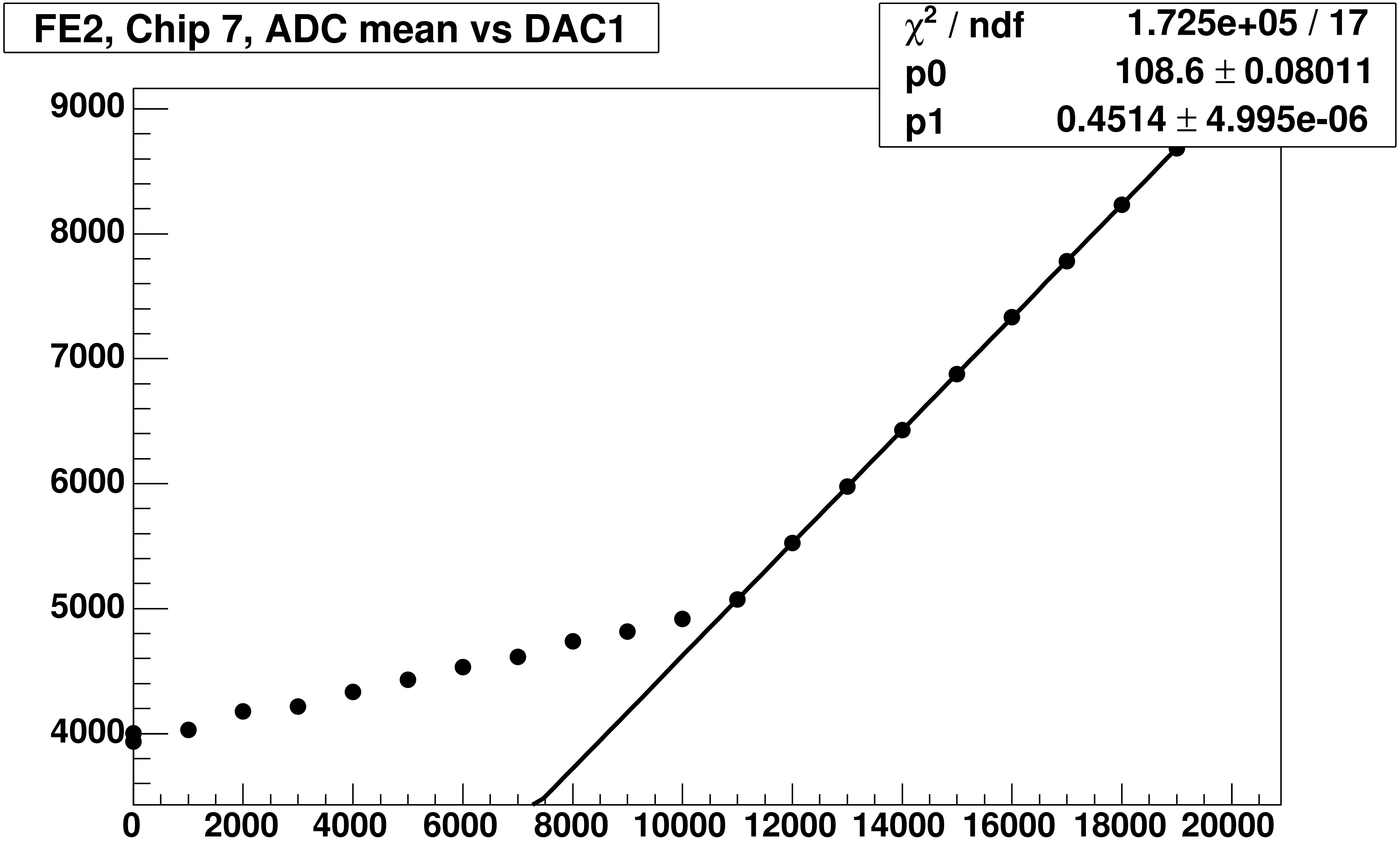

FE2, Chip 6, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 7, ADC mean vs DAC0
χ^2 / ndf 48.19 / 17
p0 3981 ± 13.83
p1 -0.003111 ± 0.00121
4100
4050
4000
3950
3900
3850
3800
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 7, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE2, Chip 7, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE2, Chip 7, ADC mean vs DAC1
χ^2 / ndf 1.725e+05 / 17
p0 108.6 ± 0.08011
p1 0.4514 ± 4.995e-06
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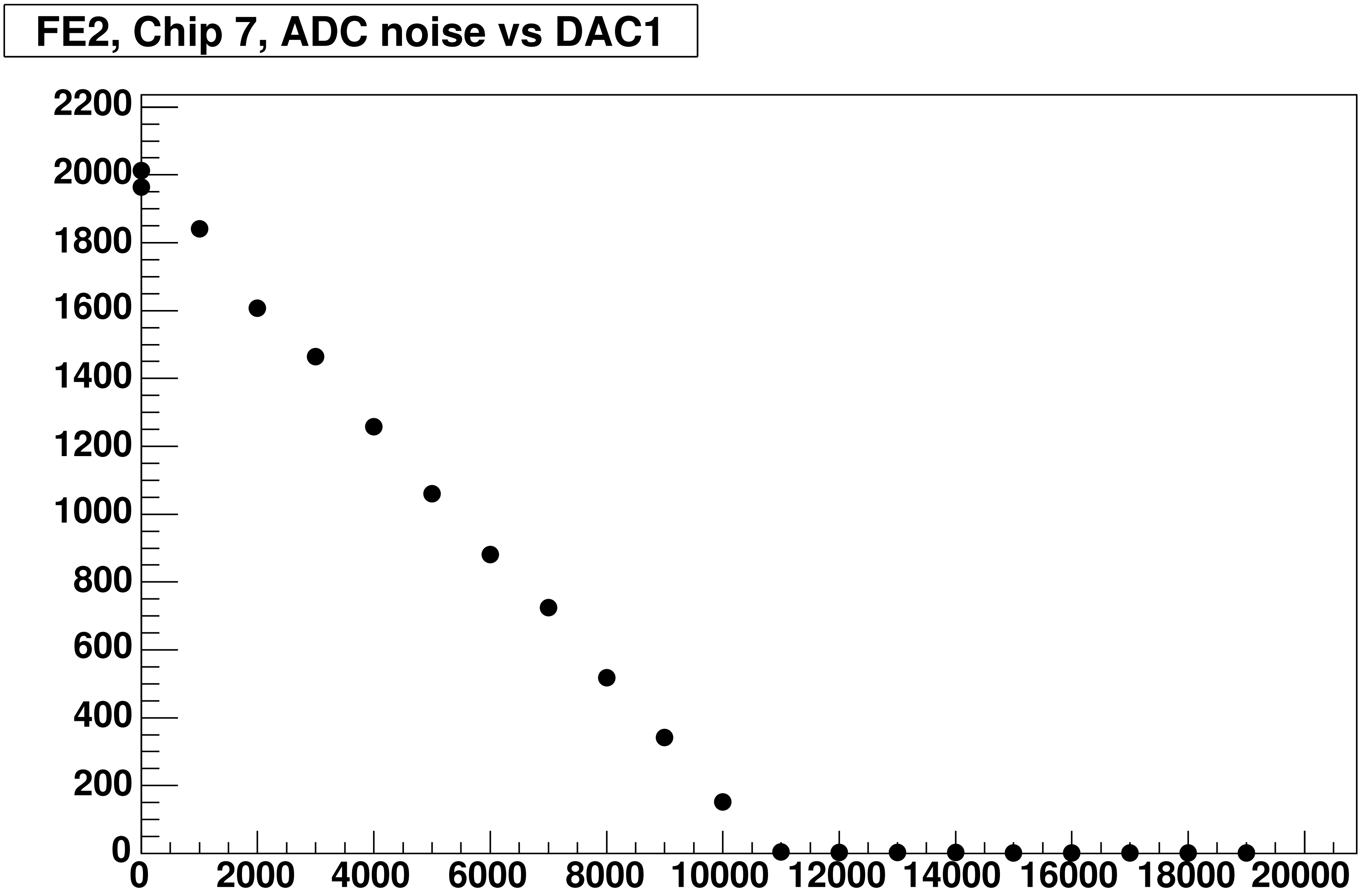
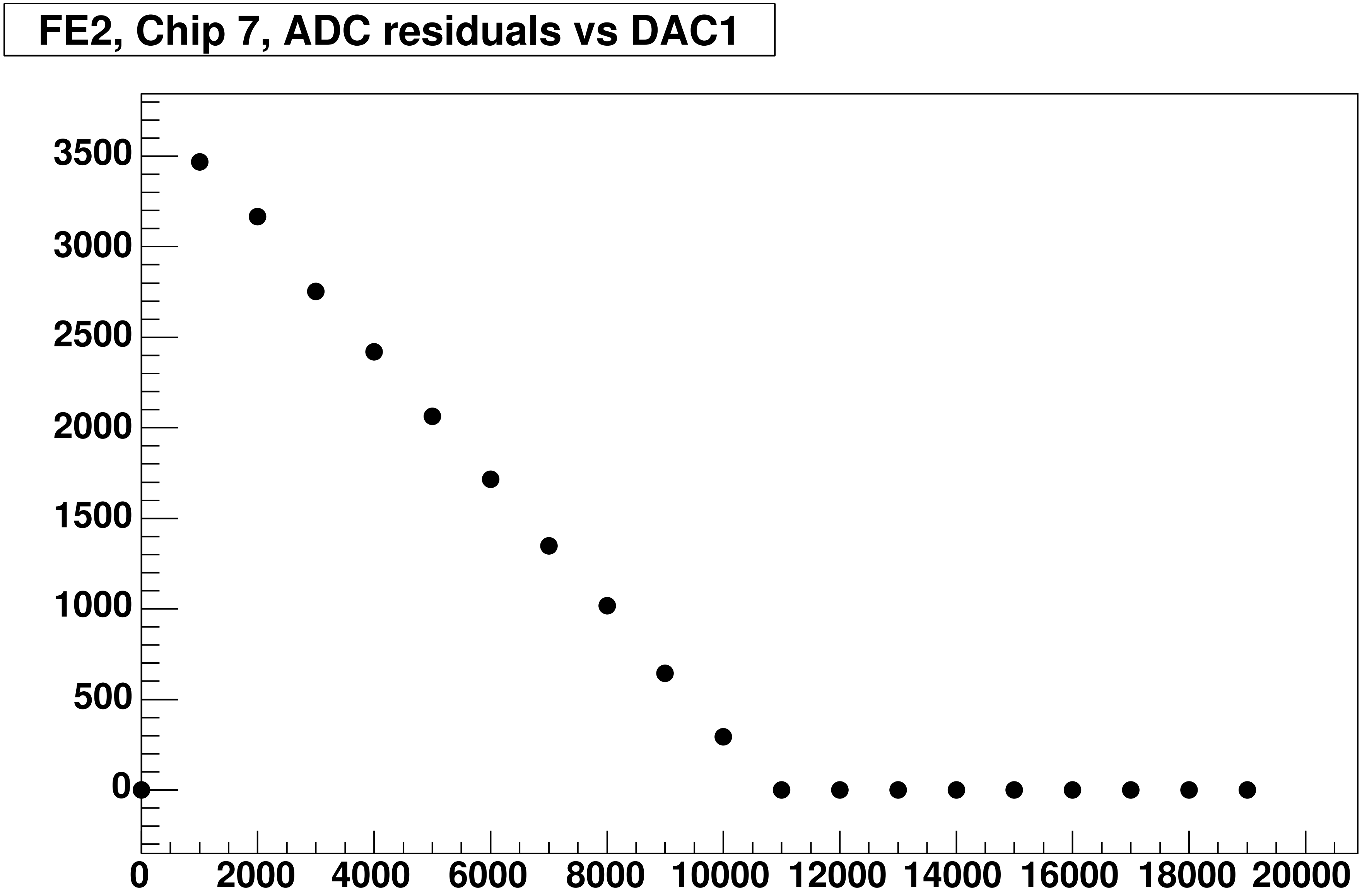
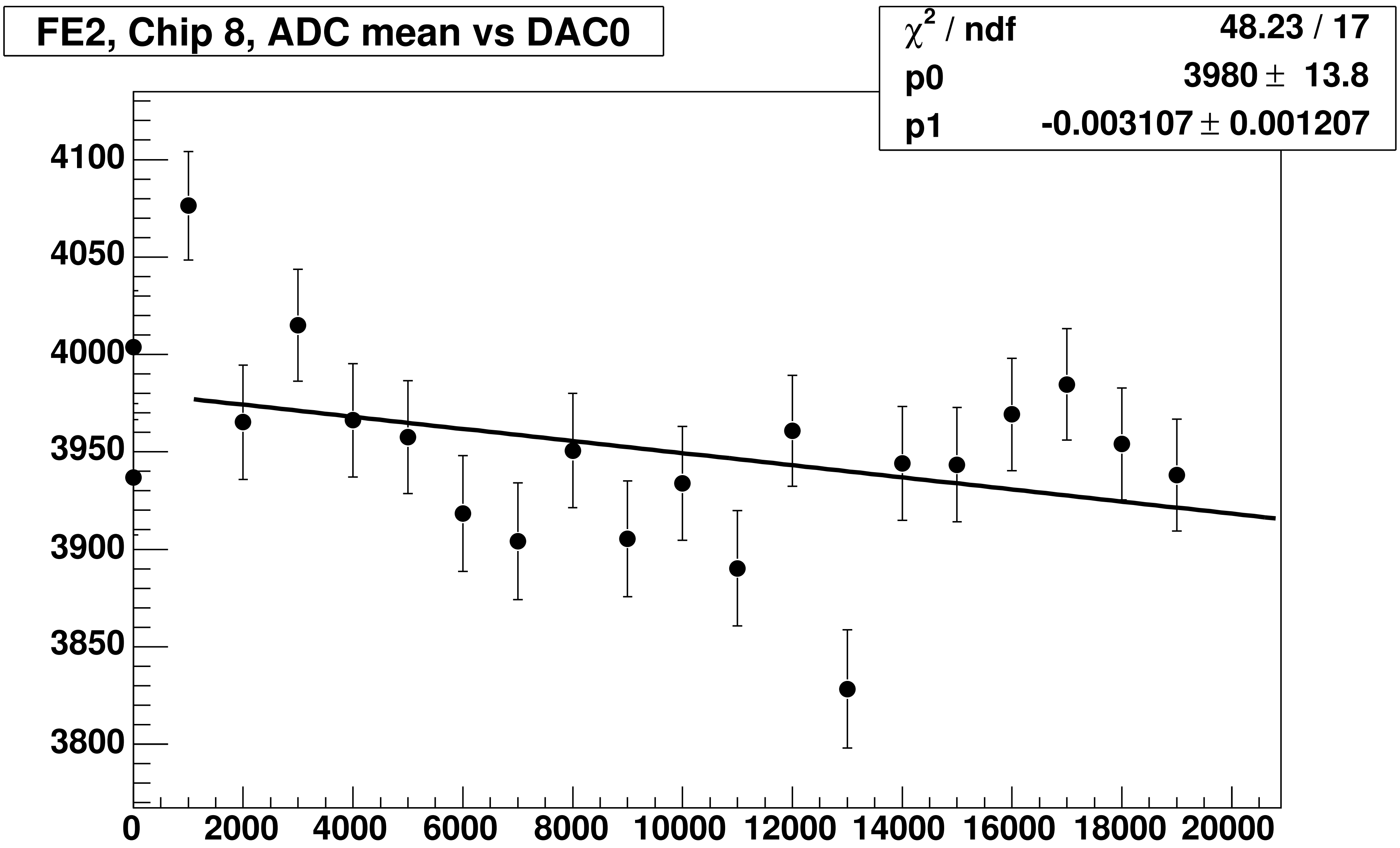
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

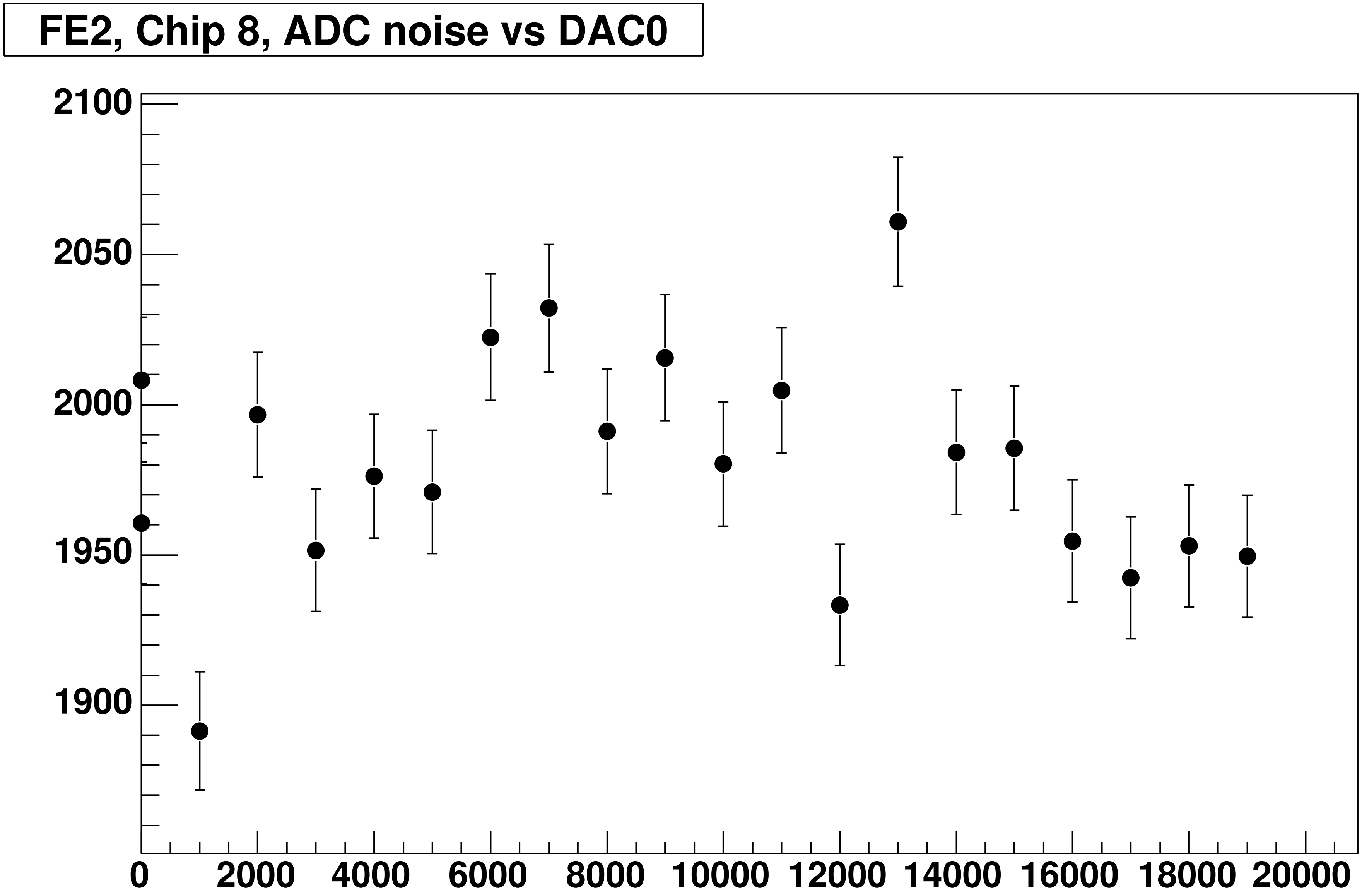


FE2, Chip 7, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

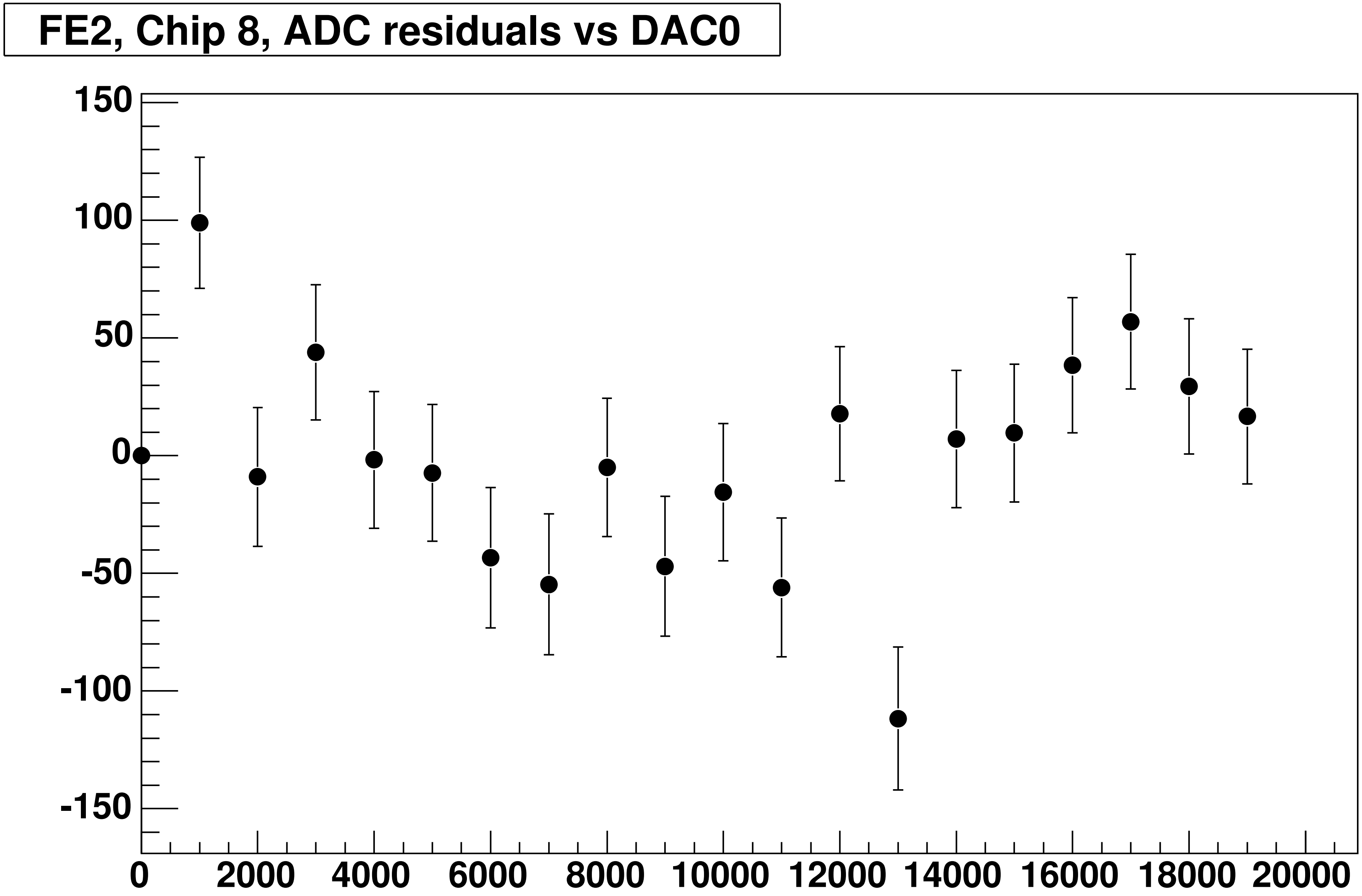

FE2, Chip 7, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

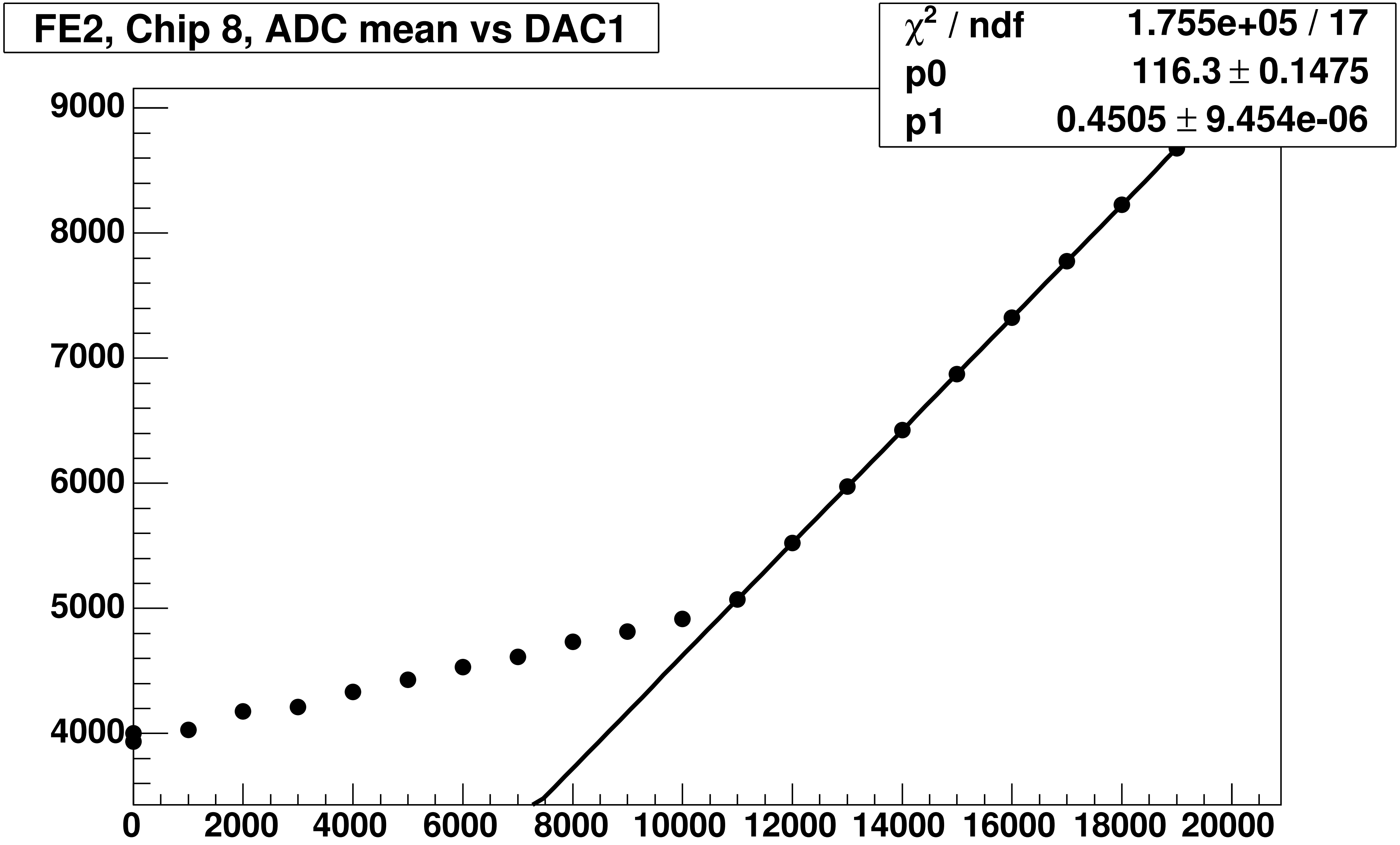


FE2, Chip 8, ADC mean vs DAC0
χ^2 / ndf 48.23 / 17
p0 3980 ± 13.8
p1 -0.003107 ± 0.001207
4100
4050
4000
3950
3900
3850
3800
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

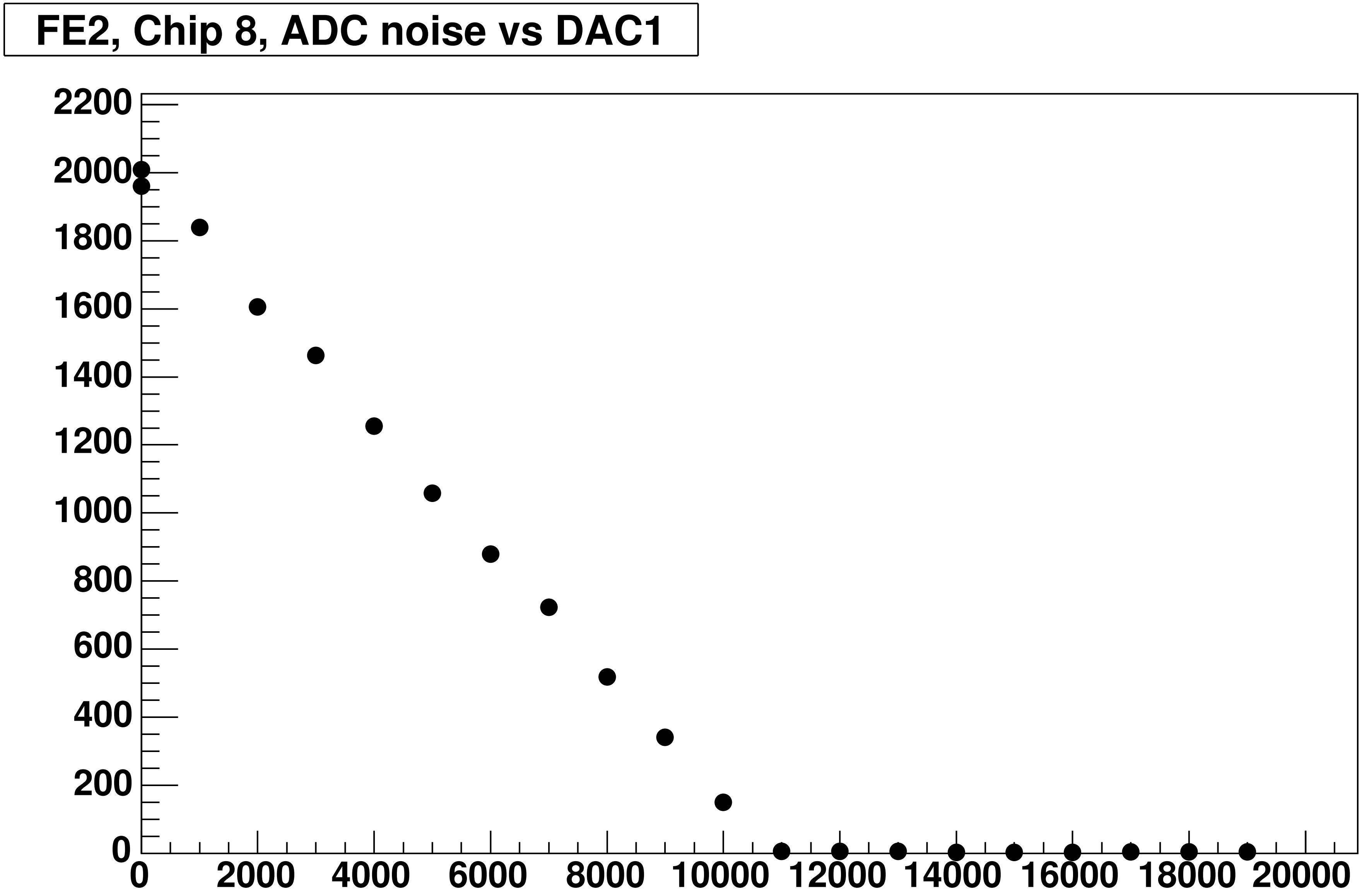


FE2, Chip 8, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

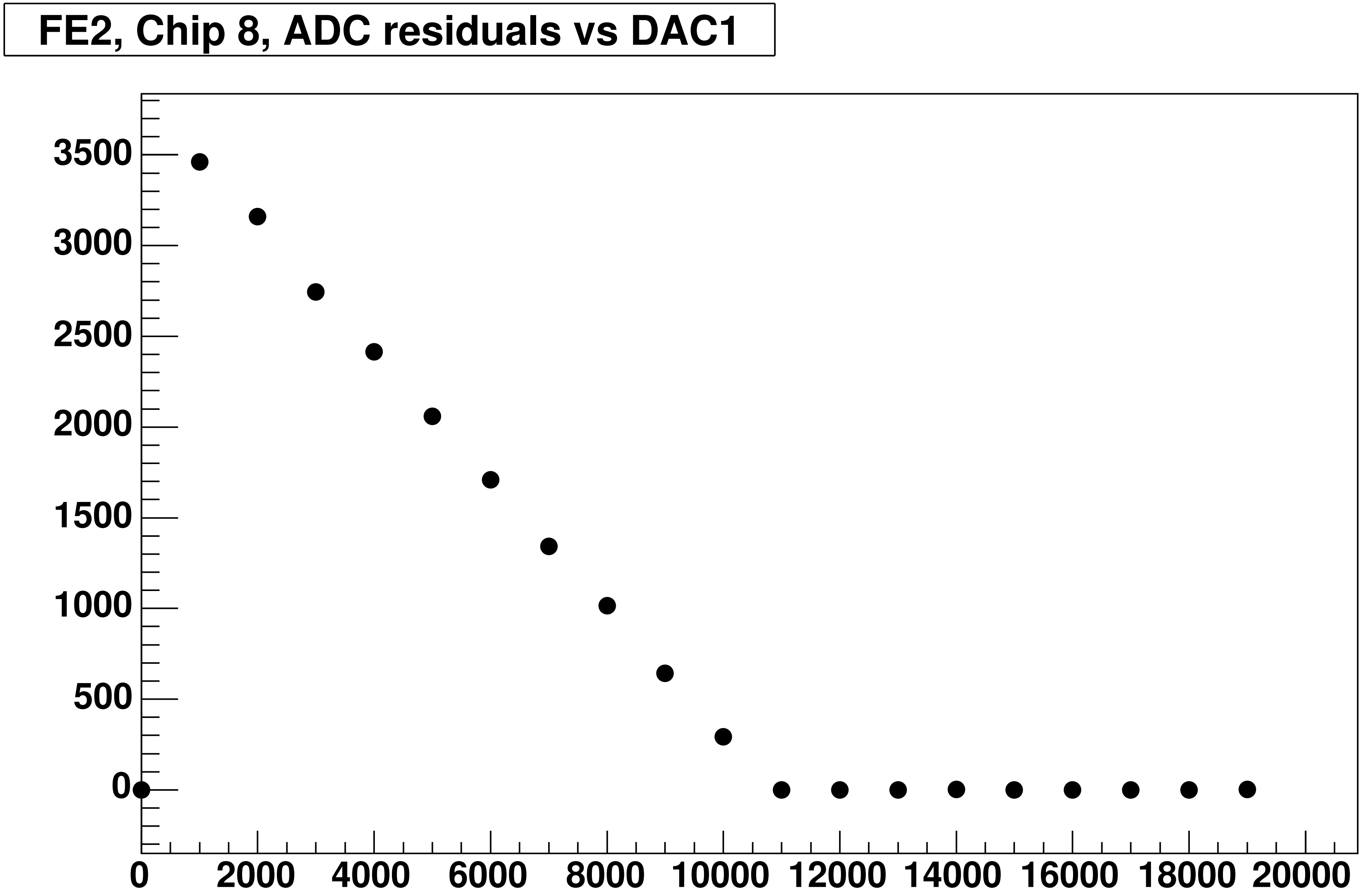

FE2, Chip 8, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

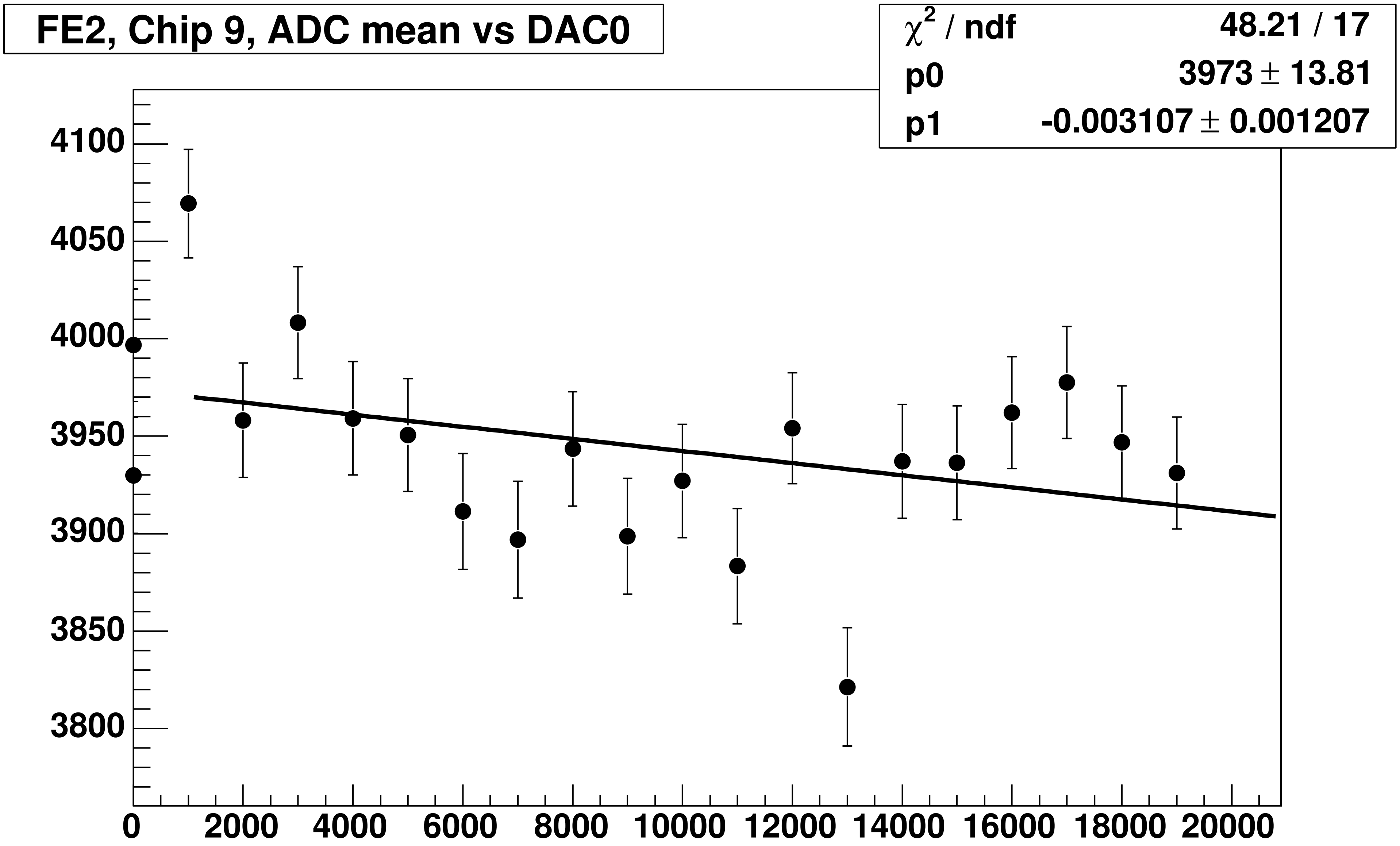


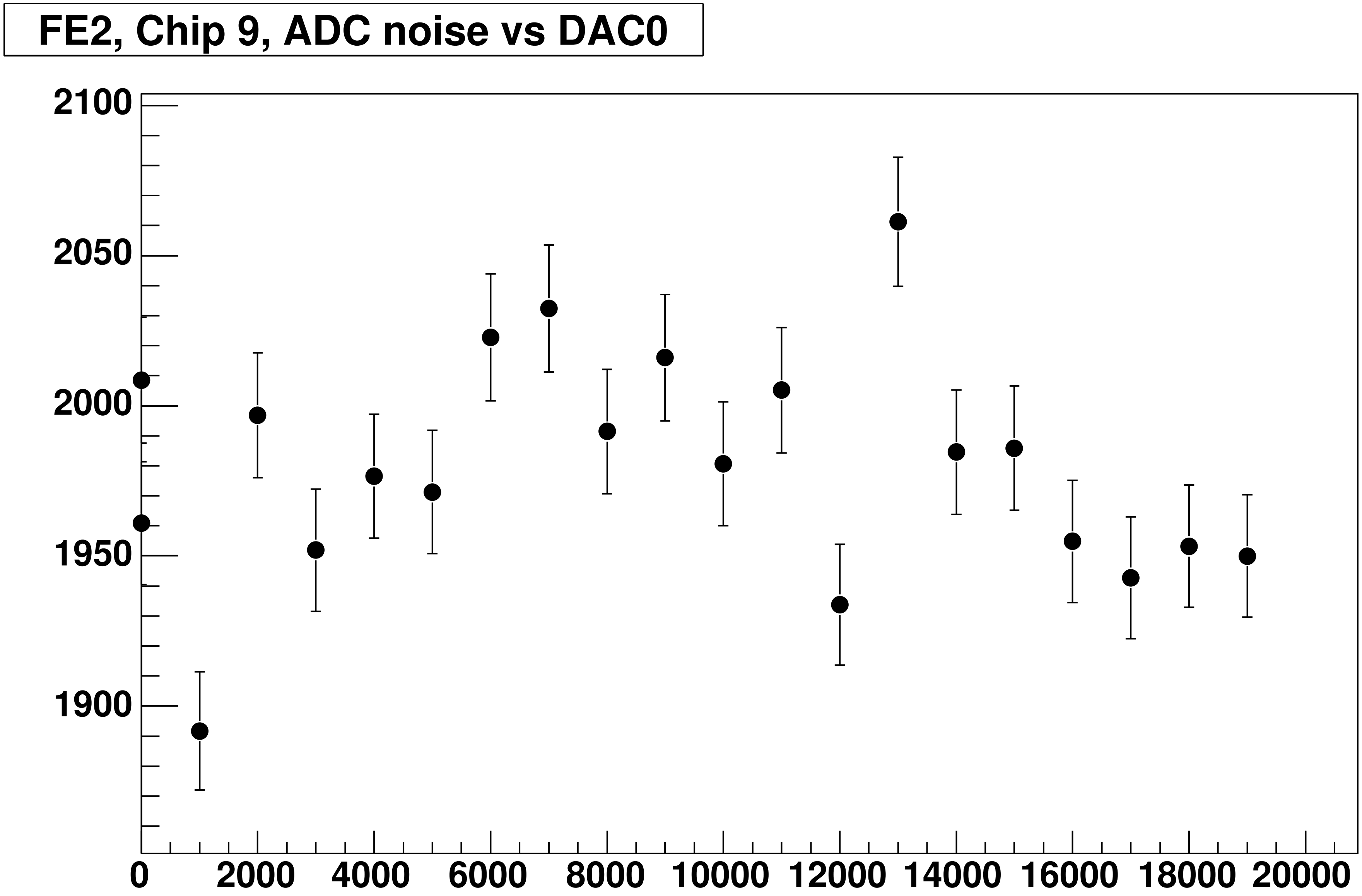
FE2, Chip 8, ADC mean vs DAC1
χ^2 / ndf 1.755e+05 / 17
p0 116.3 ± 0.1475
p1 0.4505 ± 9.454e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

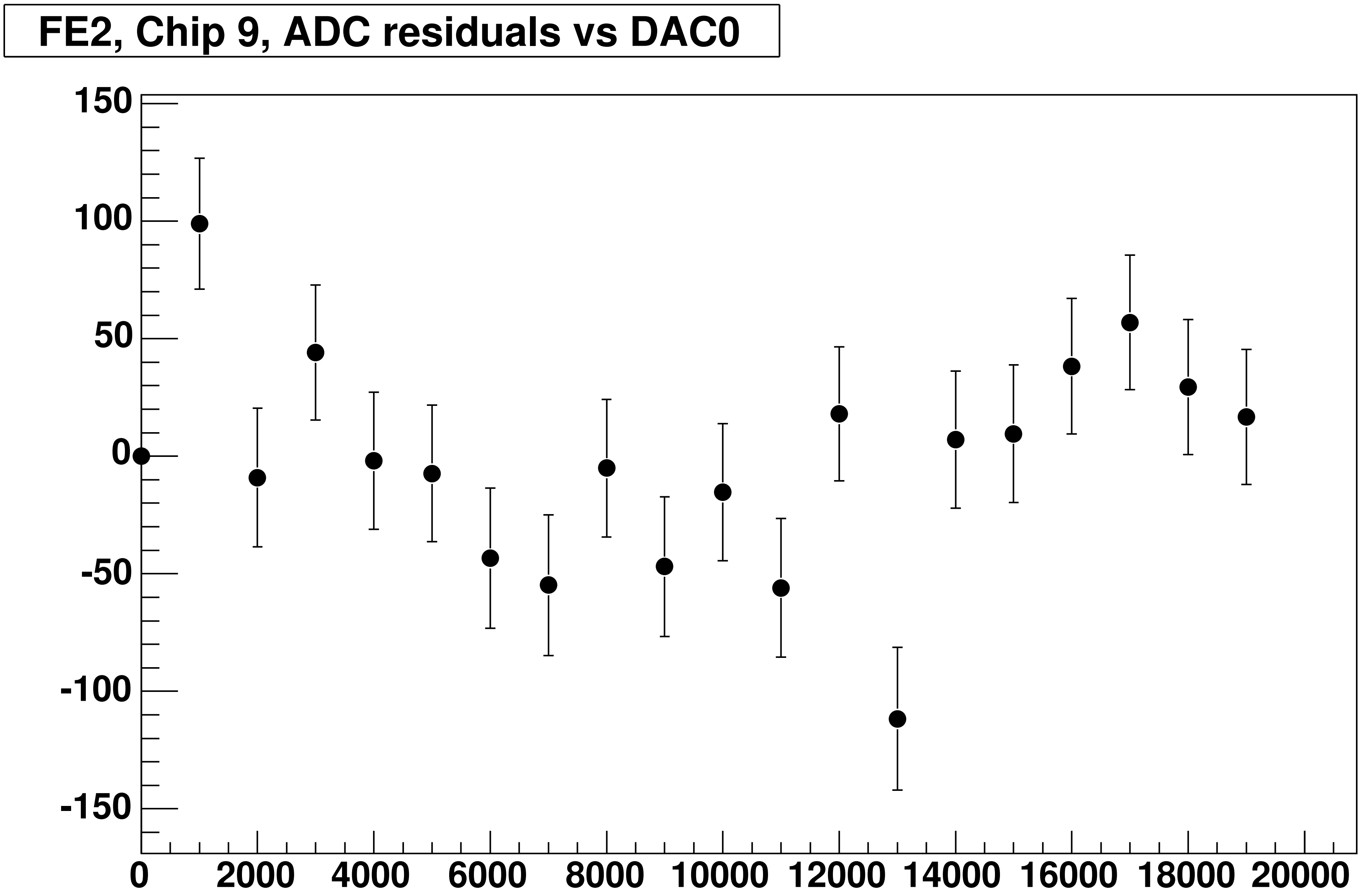


FE2, Chip 8, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

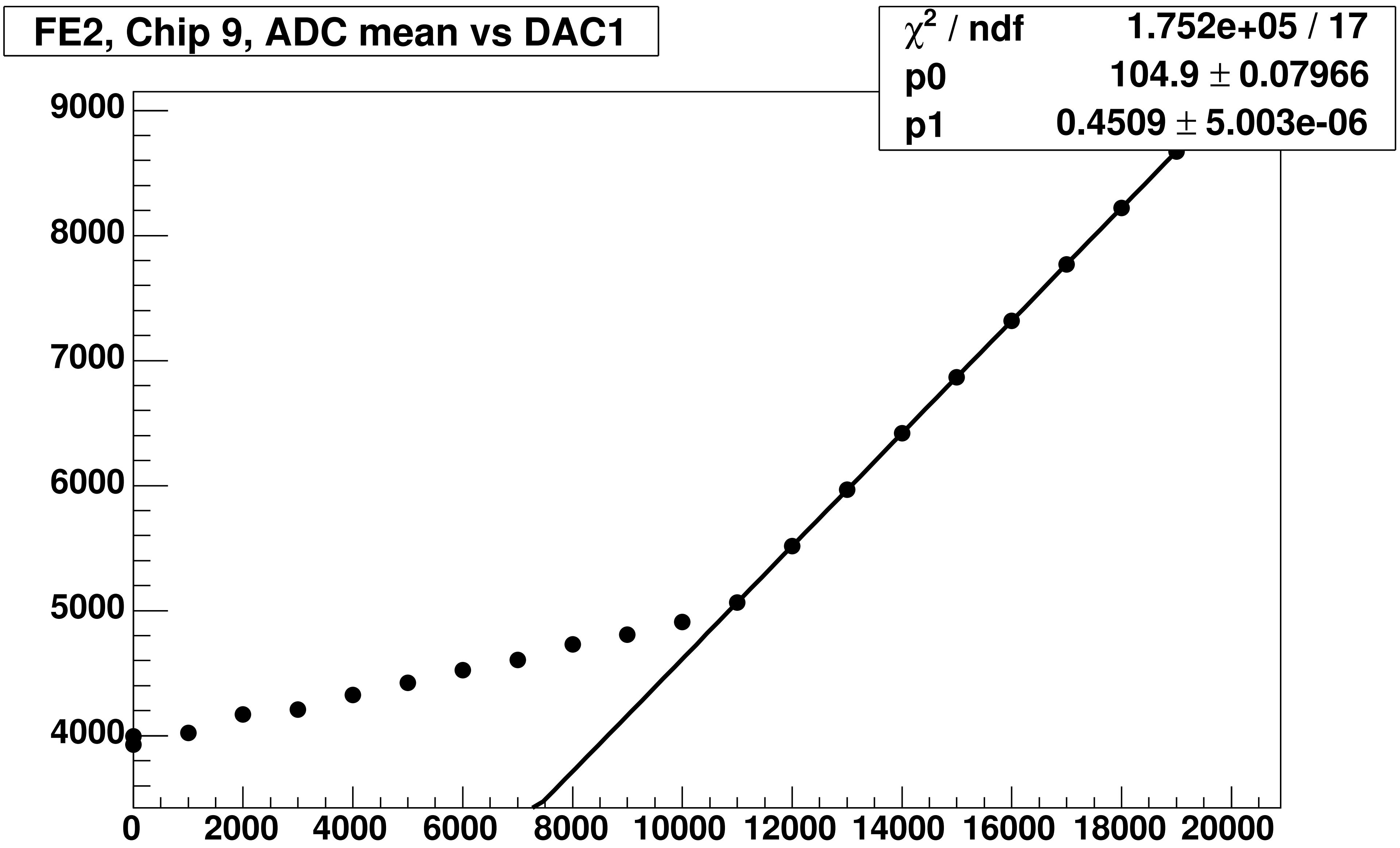

FE2, Chip 8, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

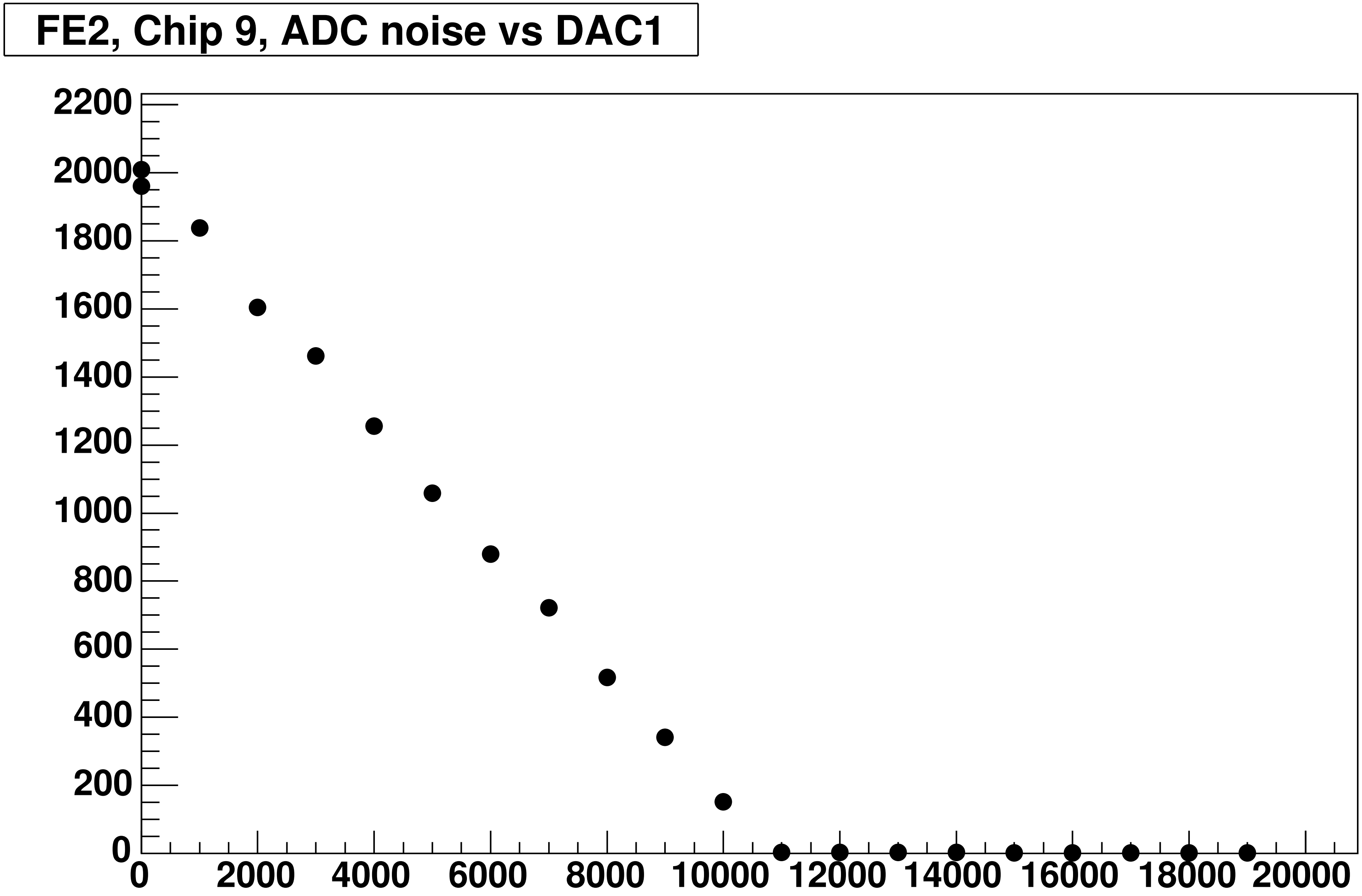

FE2, Chip 9, ADC mean vs DAC0
χ² / ndf 48.21 / 17
p0 3973 ± 13.81
p1 -0.003107 ± 0.001207
4100
4050
4000
3950
3900
3850
3800
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

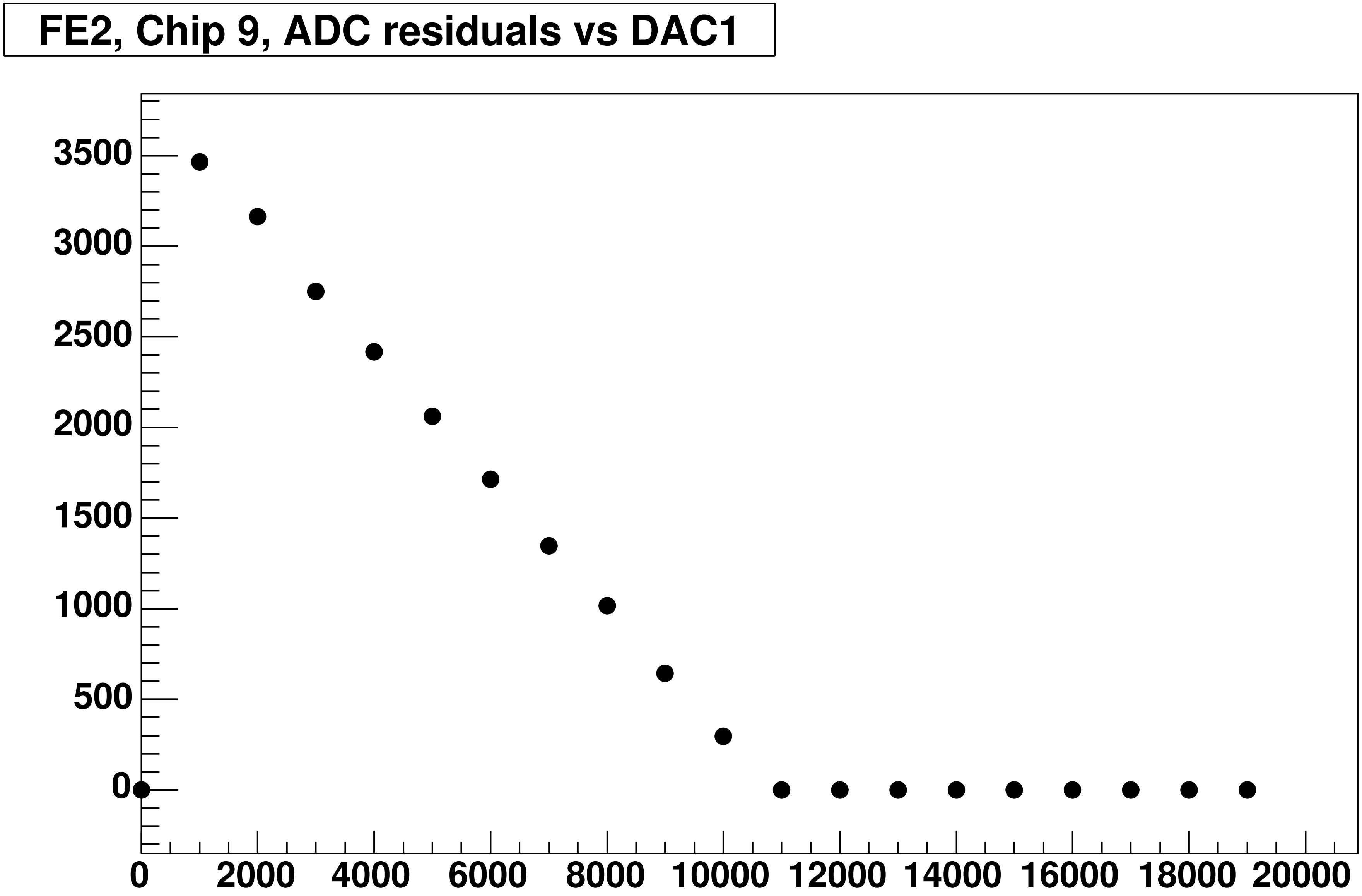

FE2, Chip 9, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

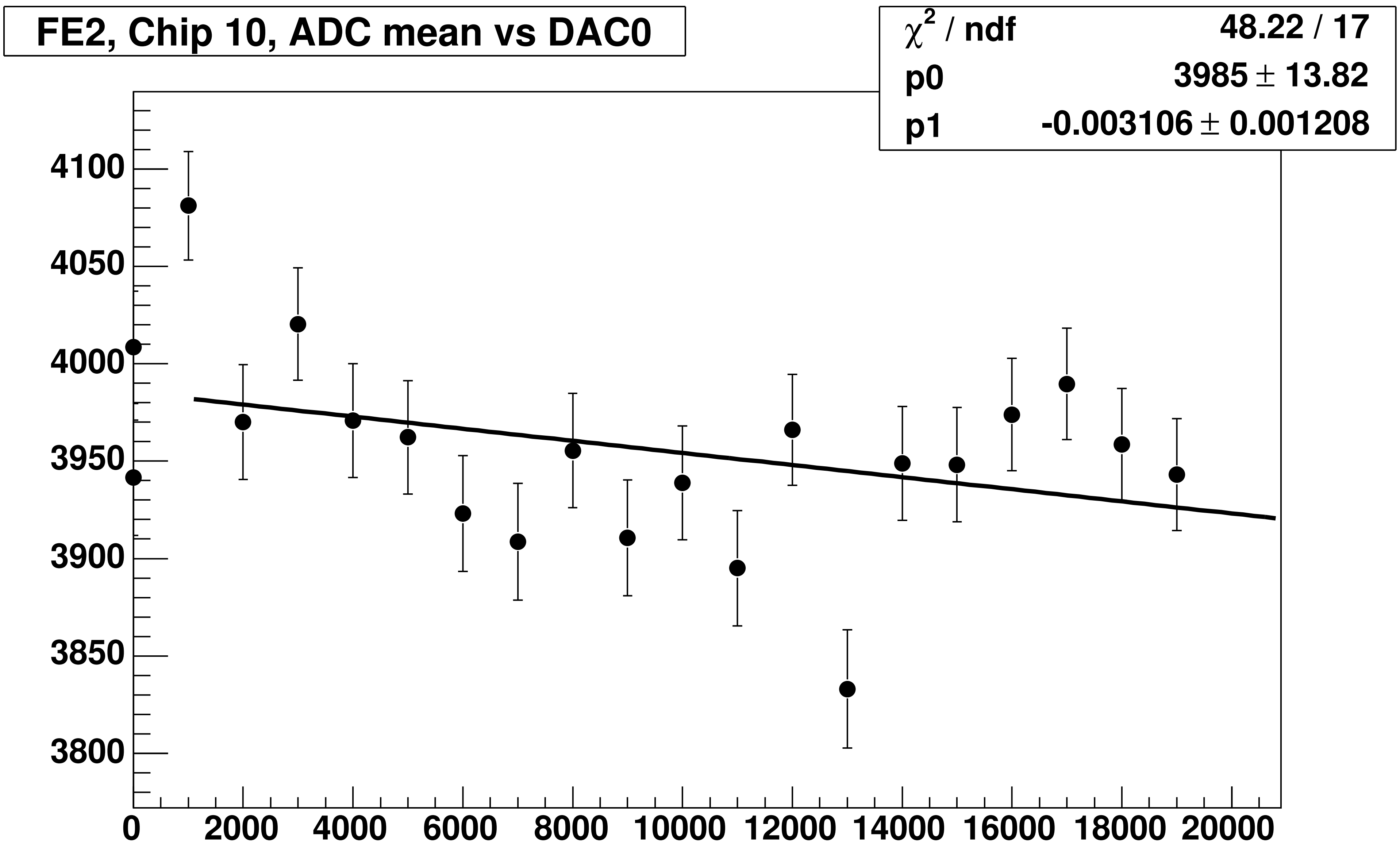


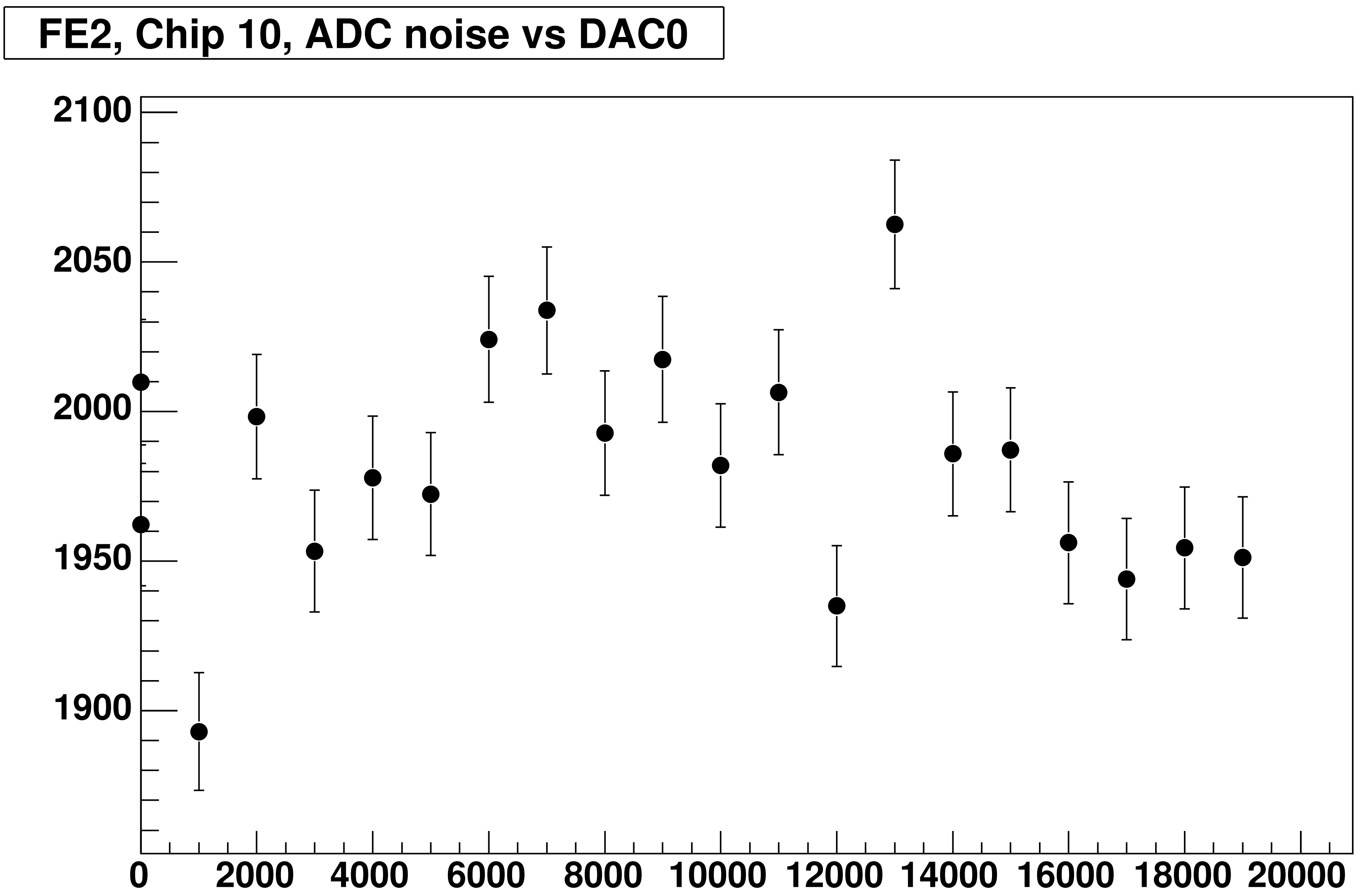
FE2, Chip 9, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

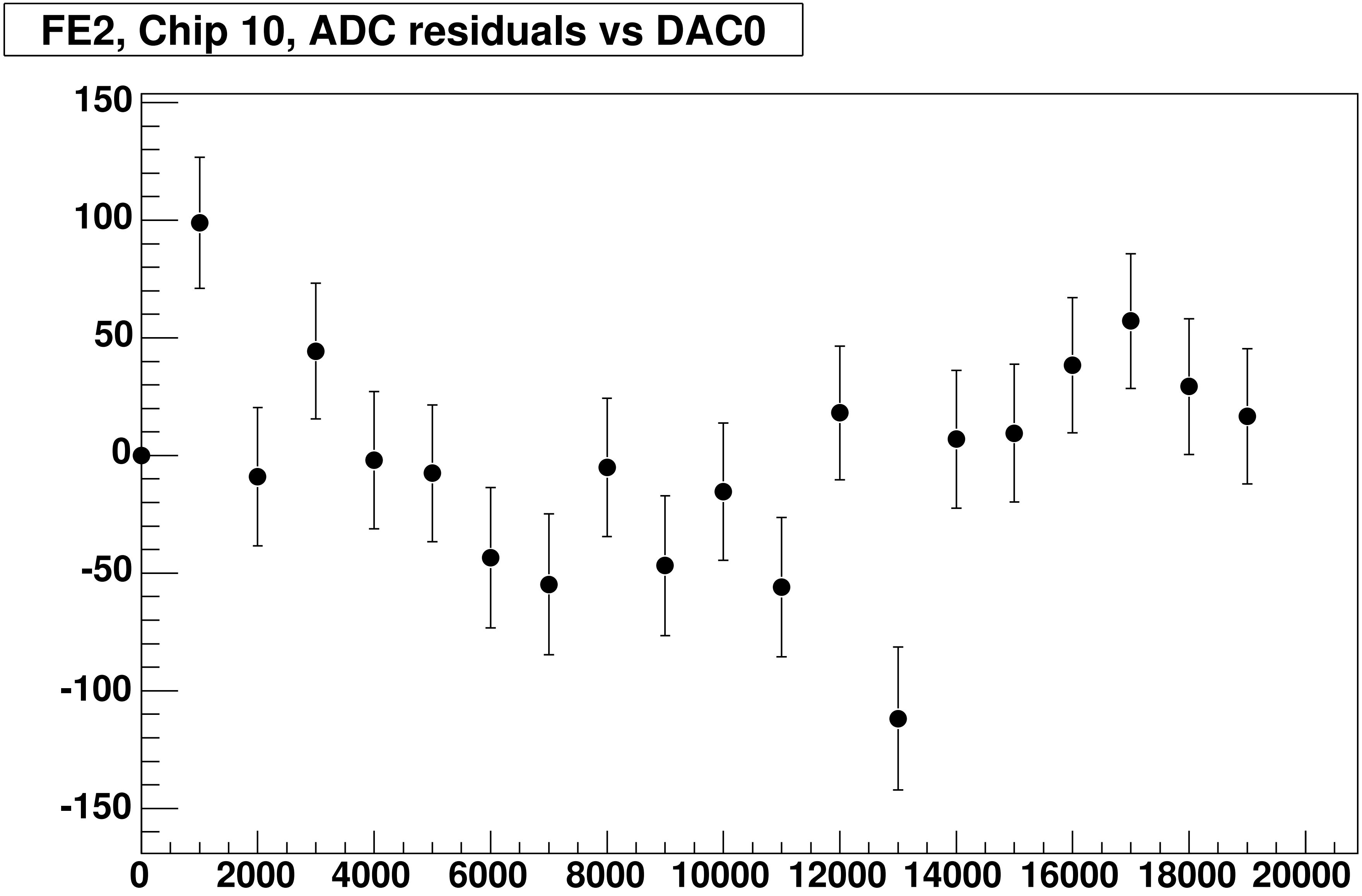

FE2, Chip 9, ADC mean vs DAC1
χ^2 / ndf 1.752e+05 / 17
p0 104.9 ± 0.07966
p1 0.4509 ± 5.003e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 9, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

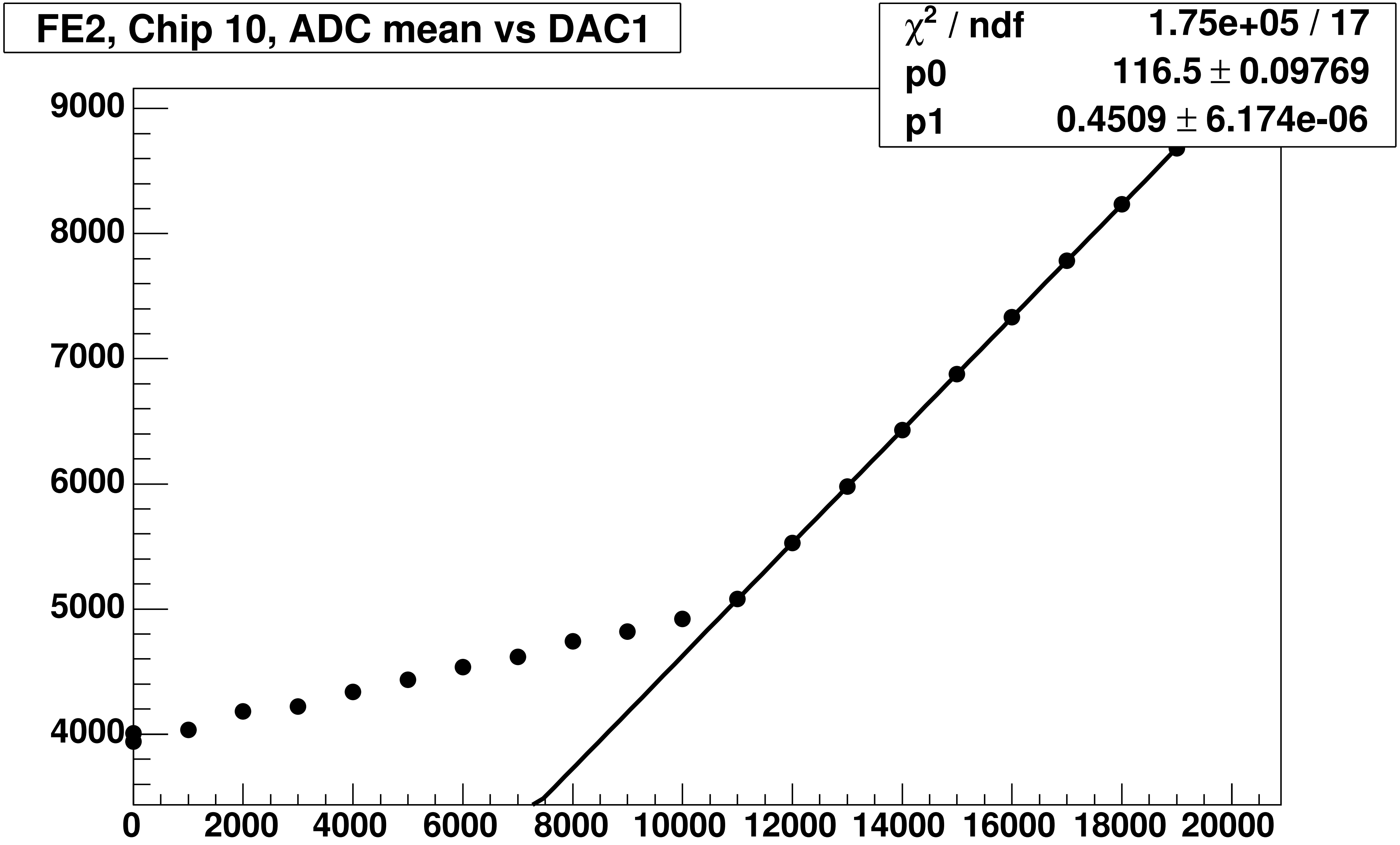

FE2, Chip 9, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 10, ADC mean vs DAC0
χ^2 / ndf 48.22 / 17
p0 3985 ± 13.82
p1 -0.003106 ± 0.001208
4100
4050
4000
3950
3900
3850
3800
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

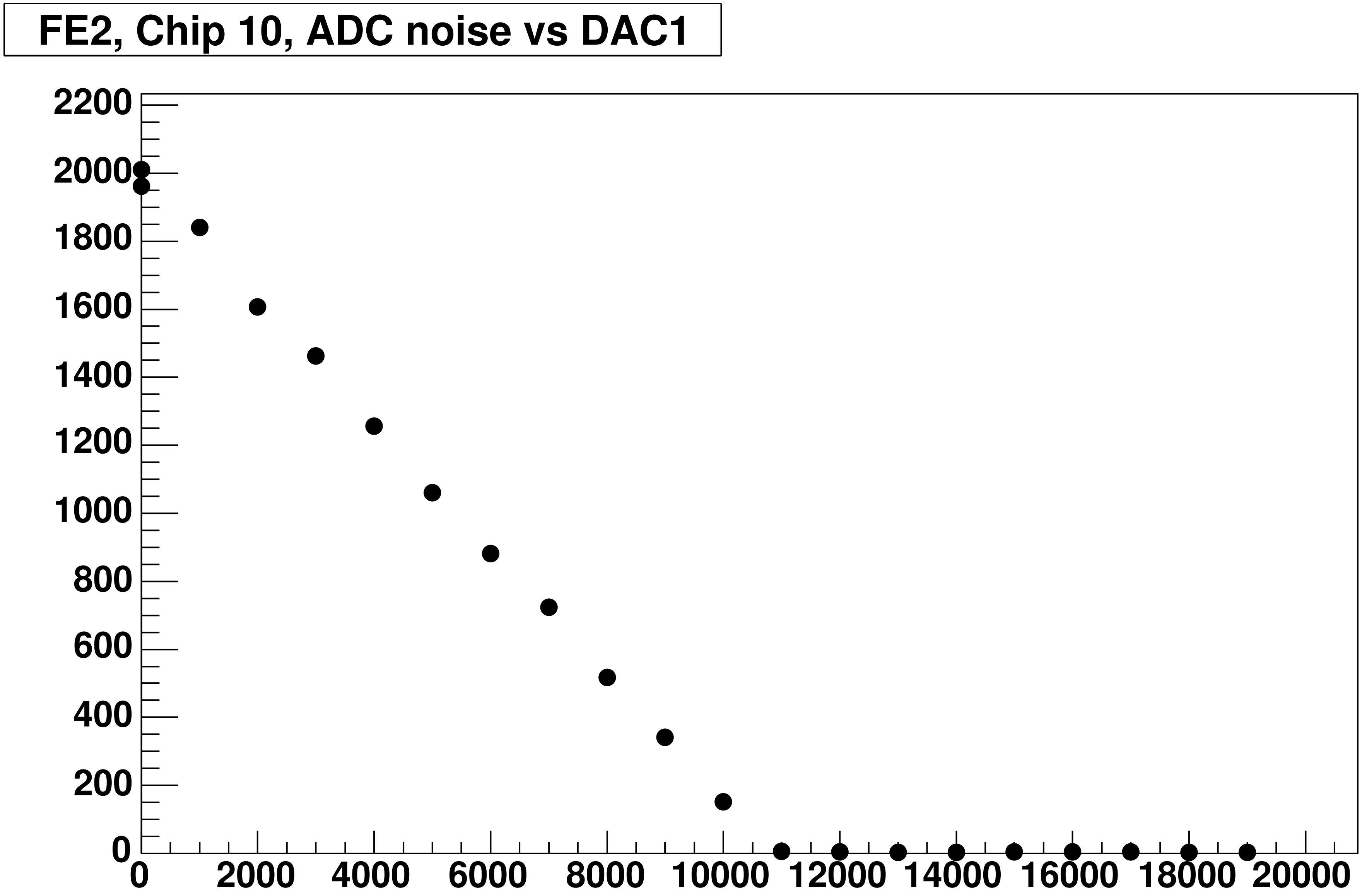

FE2, Chip 10, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

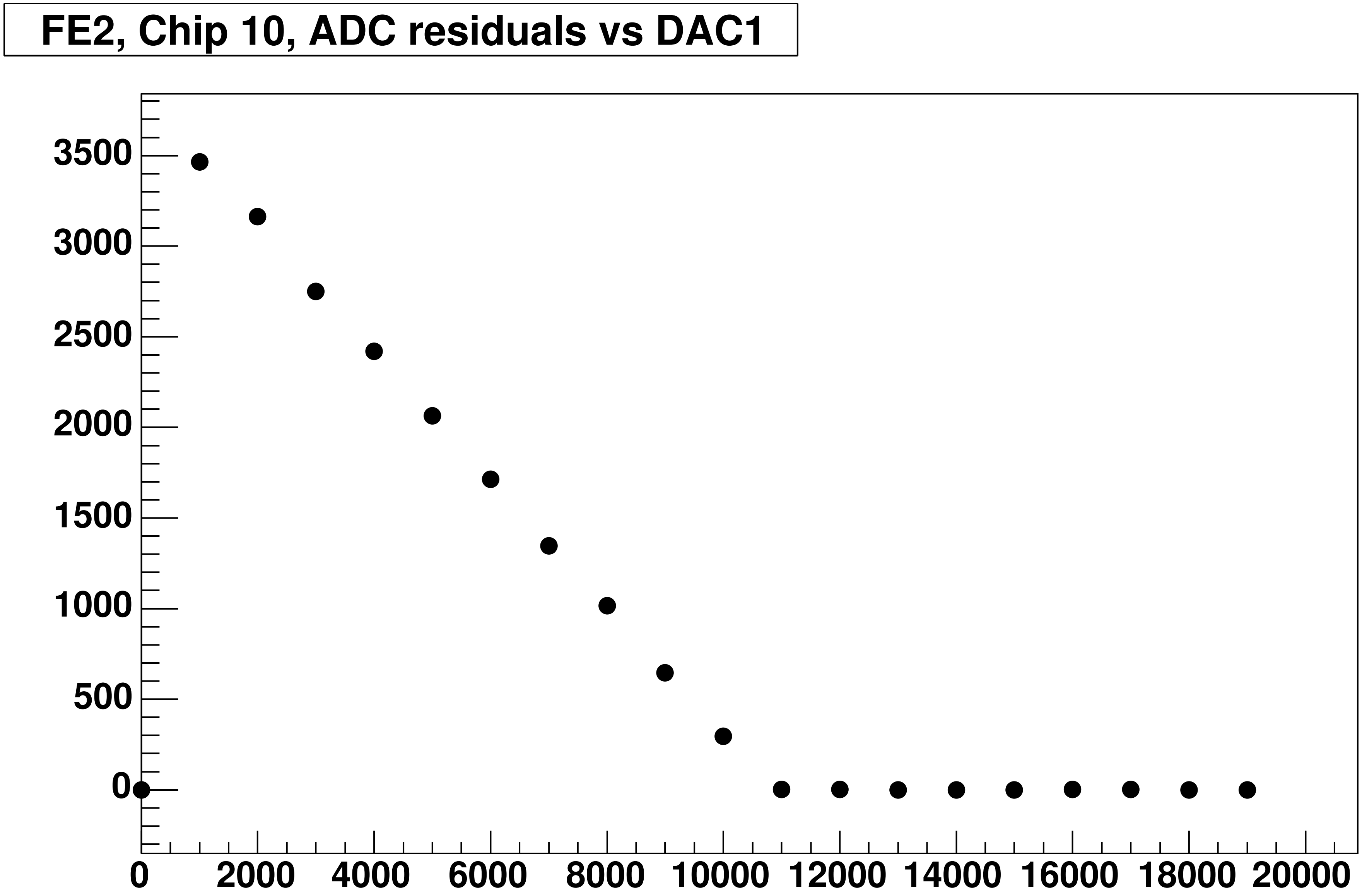


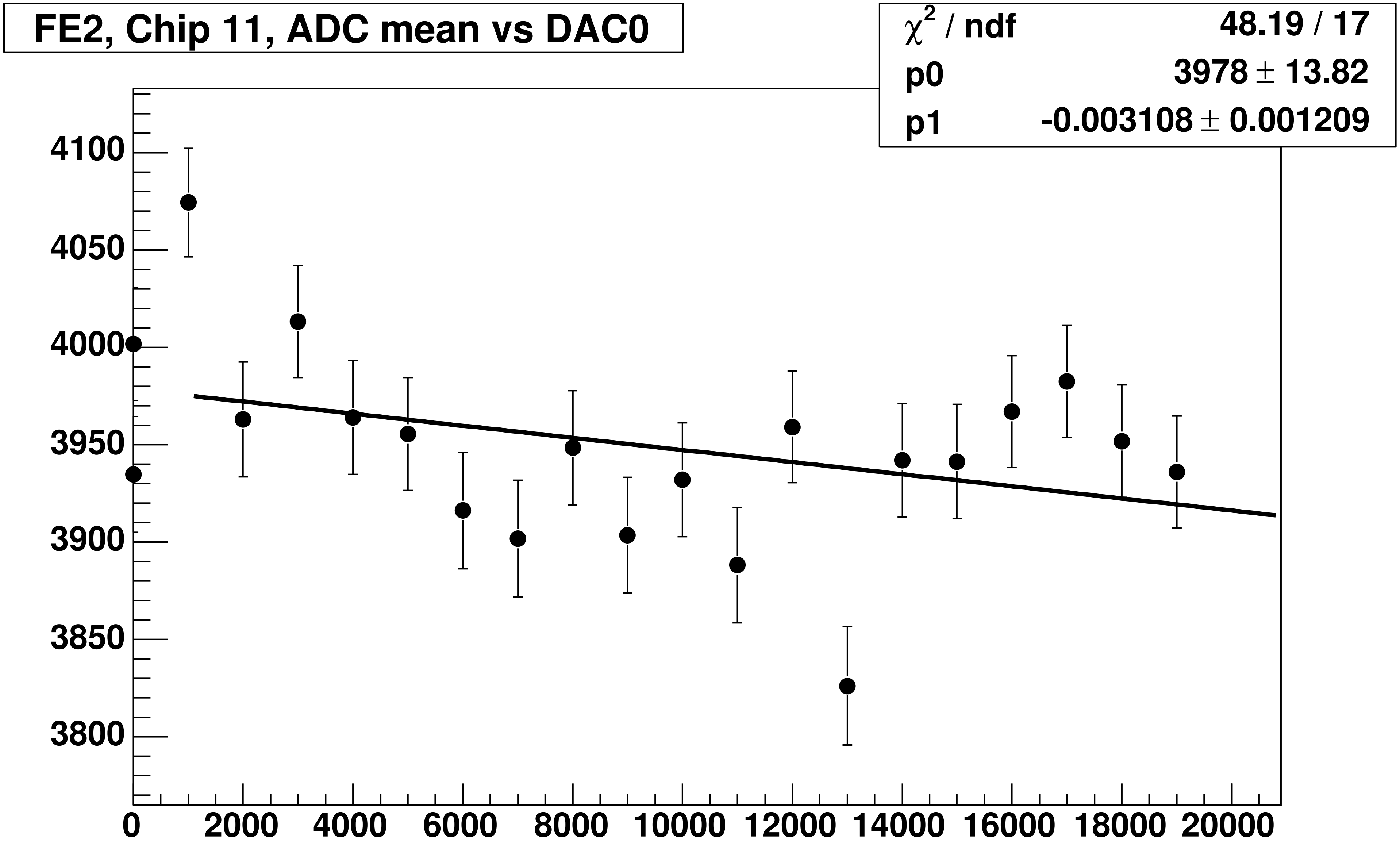
FE2, Chip 10, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



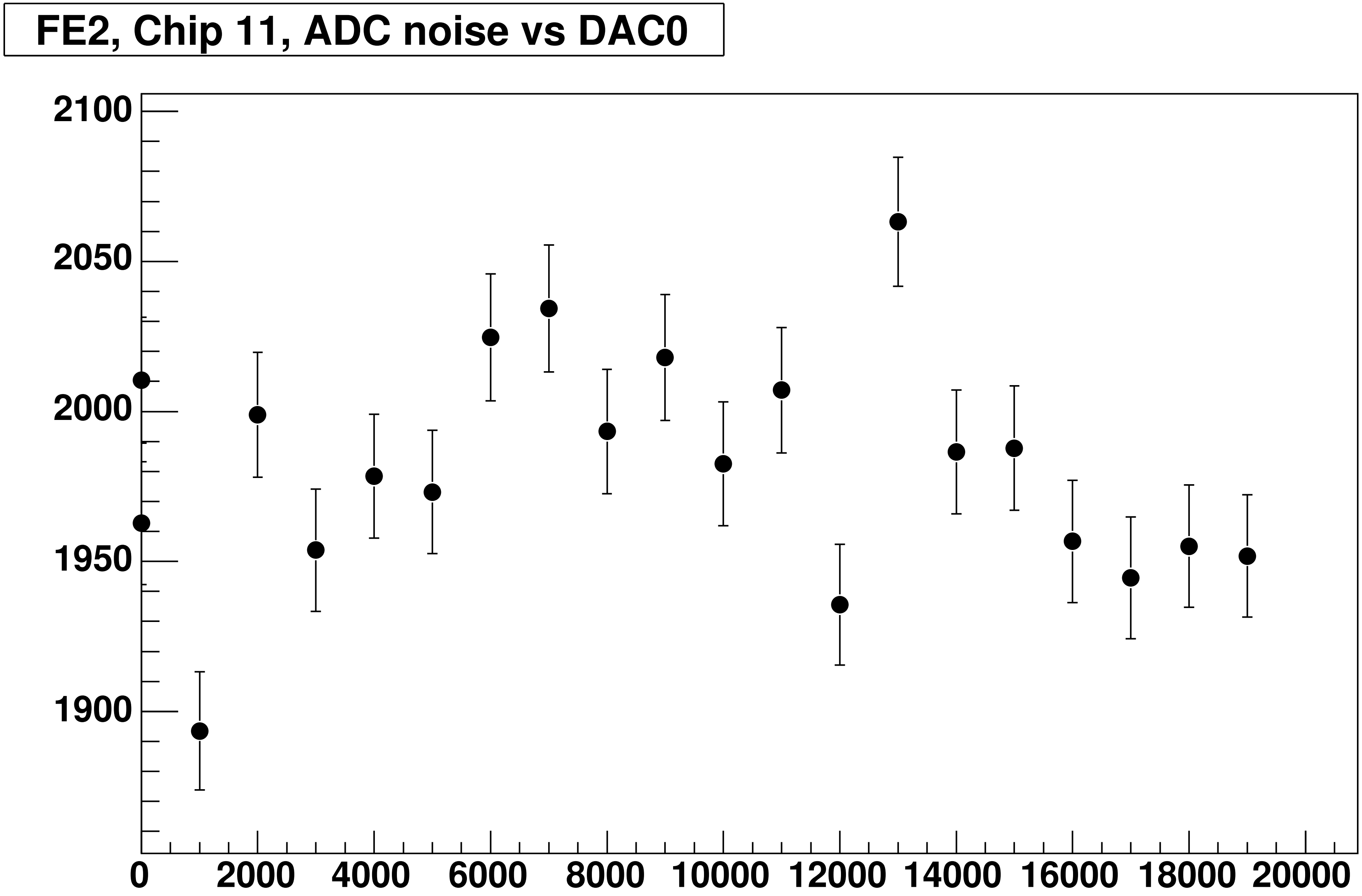
FE2, Chip 10, ADC mean vs DAC1
χ^2 / ndf 1.75e+05 / 17
p0 116.5 ± 0.09769
p1 0.4509 ± 6.174e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 10, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

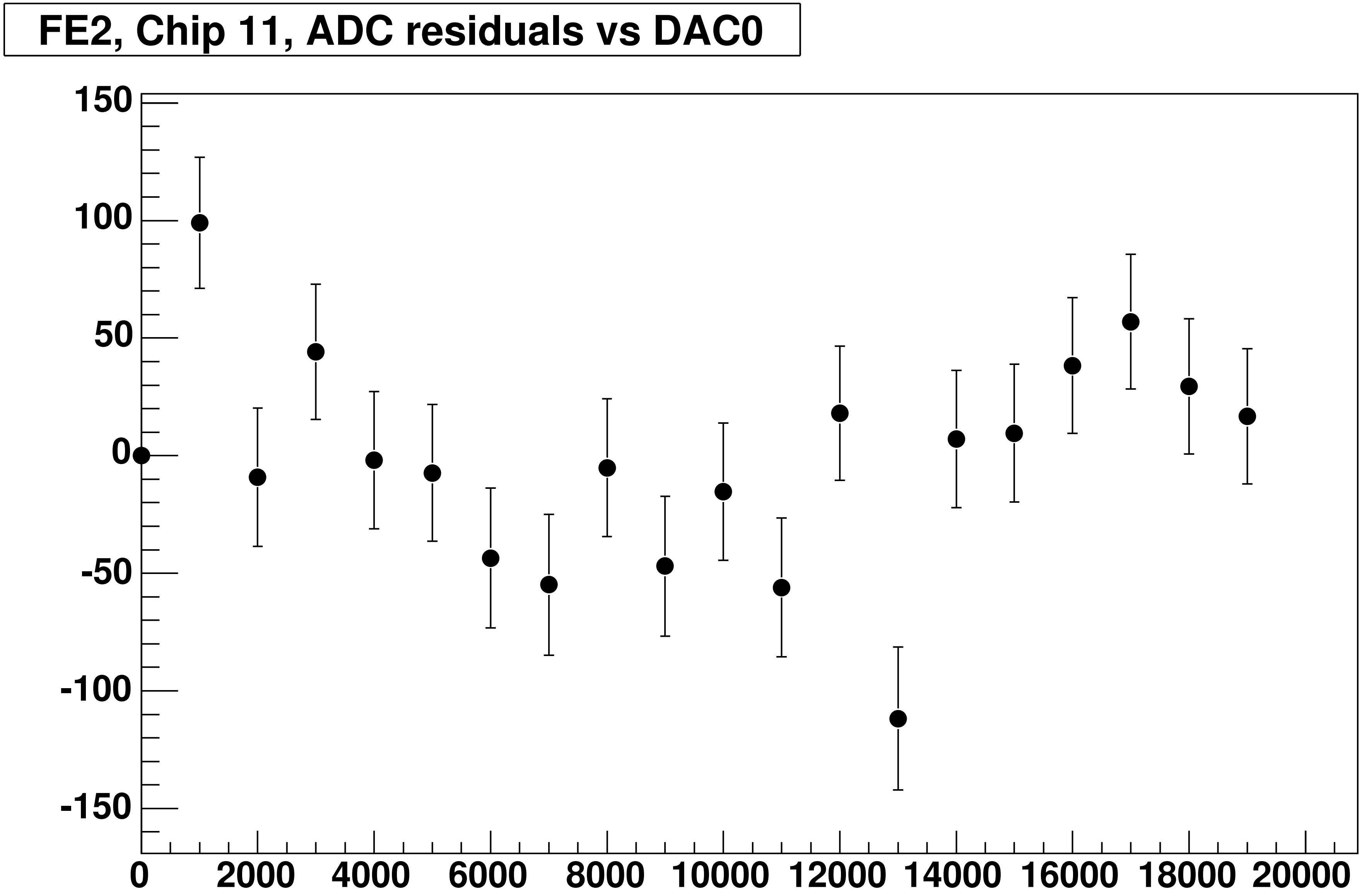

FE2, Chip 10, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

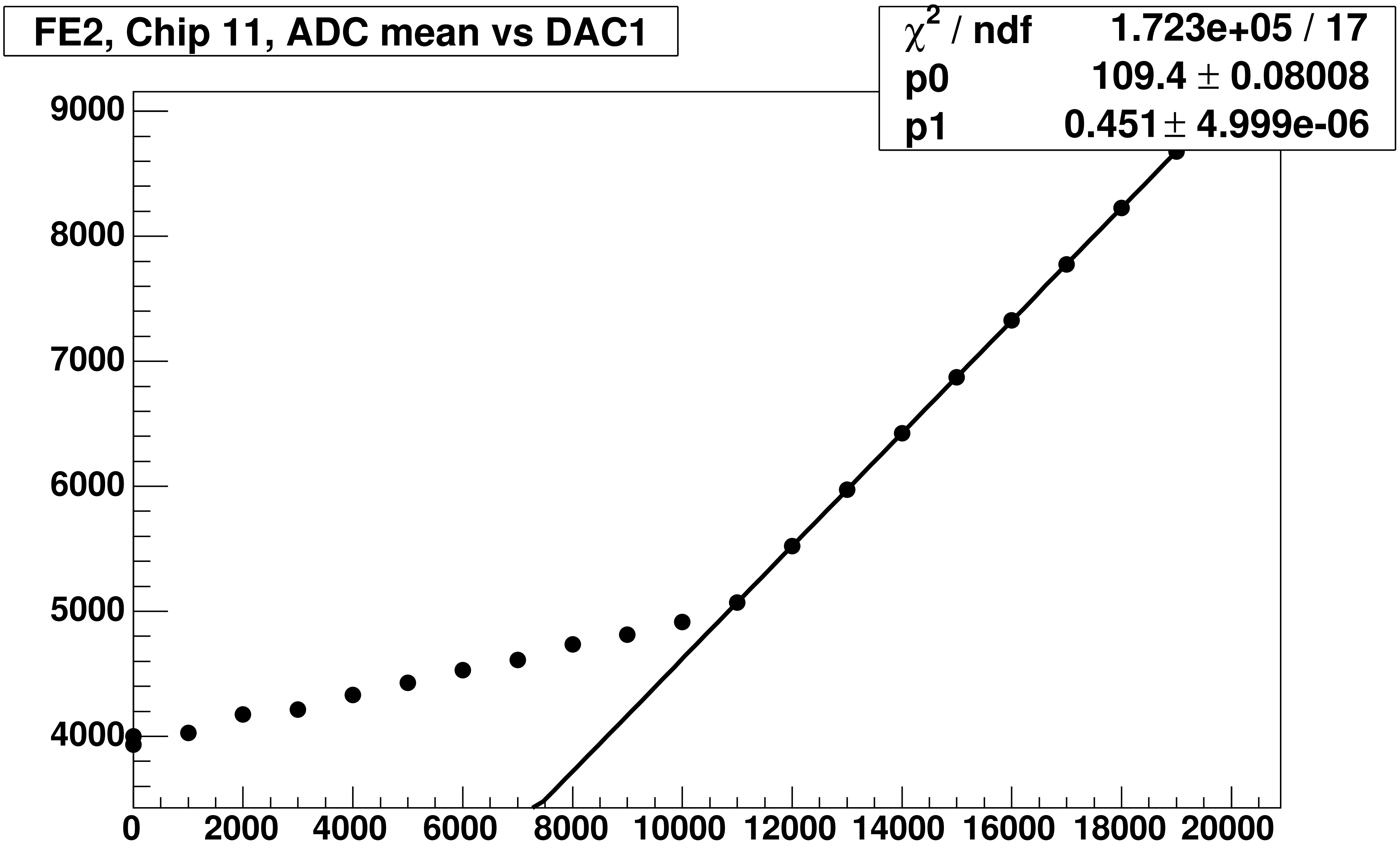


FE2, Chip 11, ADC mean vs DAC0
χ² / ndf 48.19 / 17
p0 3978 ± 13.82
p1 -0.003108 ± 0.001209
4100
4050
4000
3950
3900
3850
3800
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

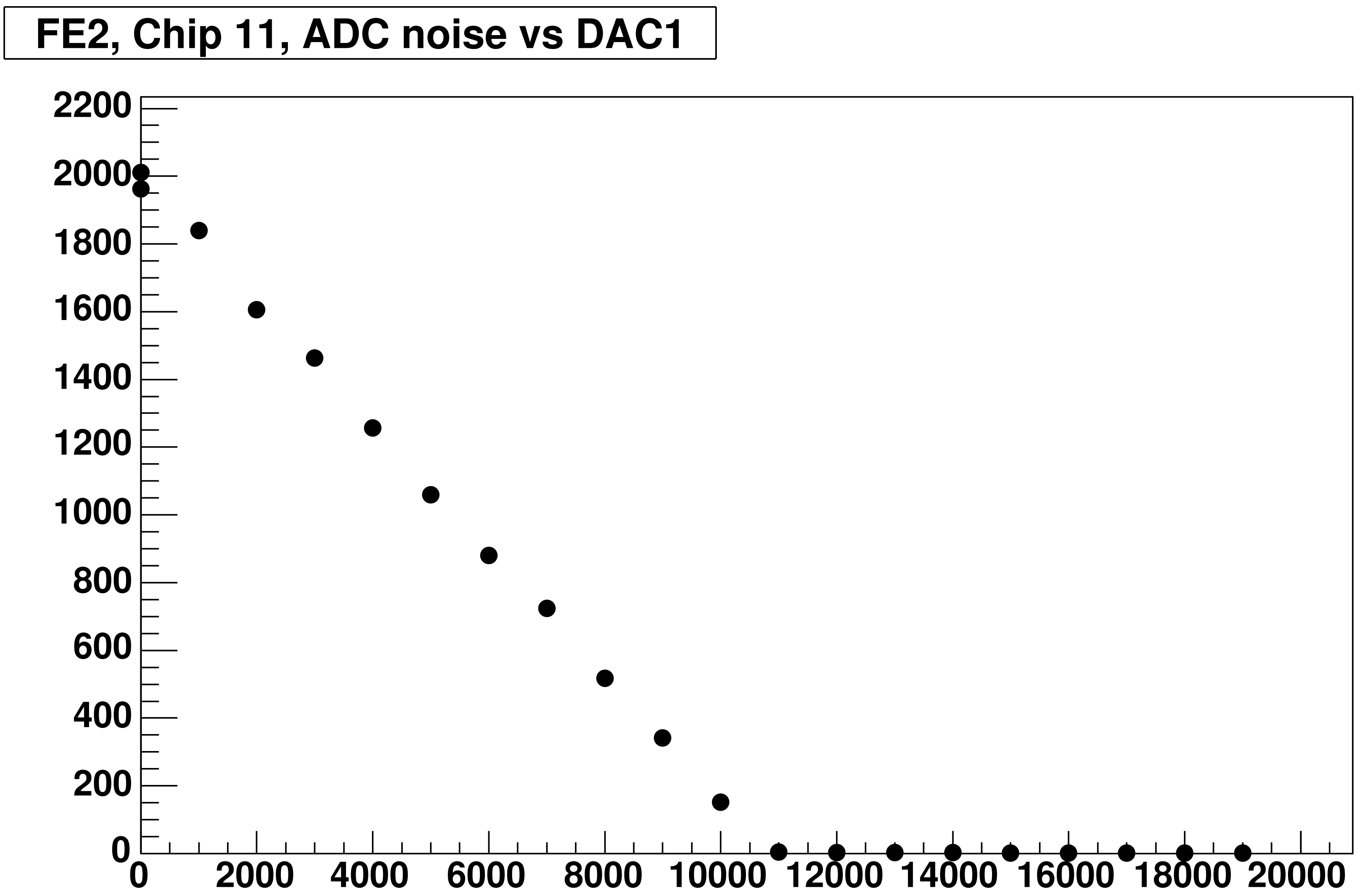


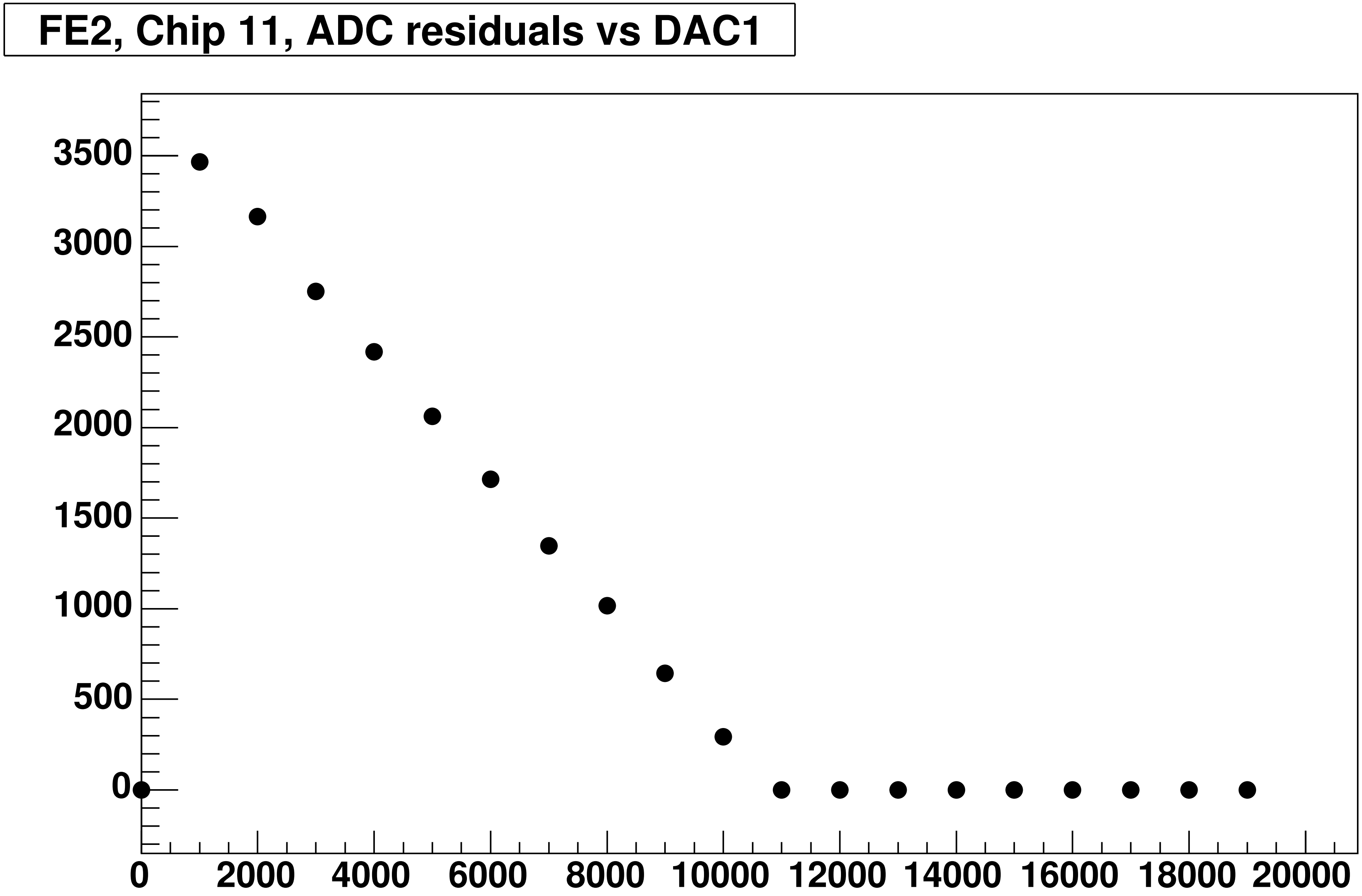
FE2, Chip 11, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

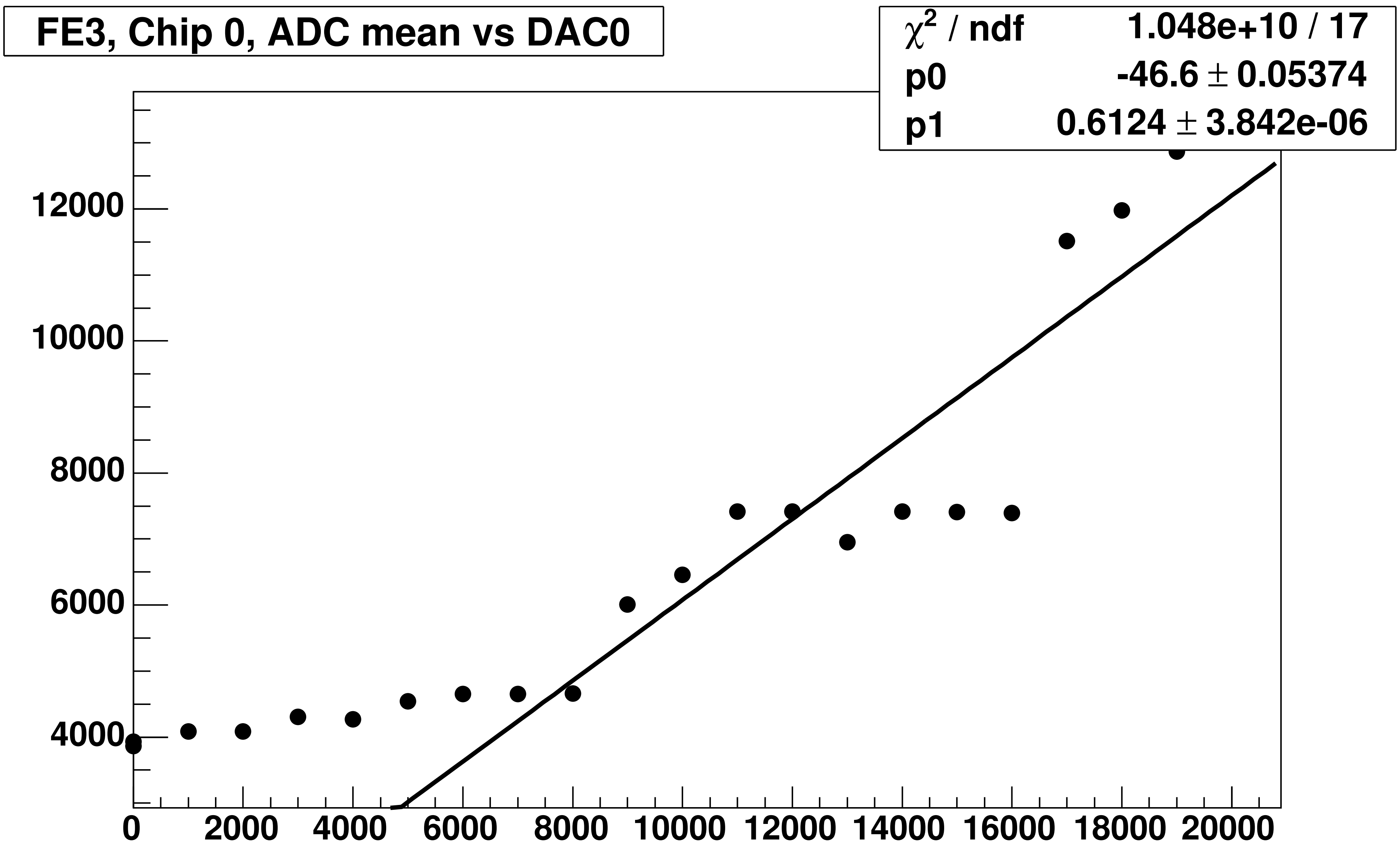

FE2, Chip 11, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



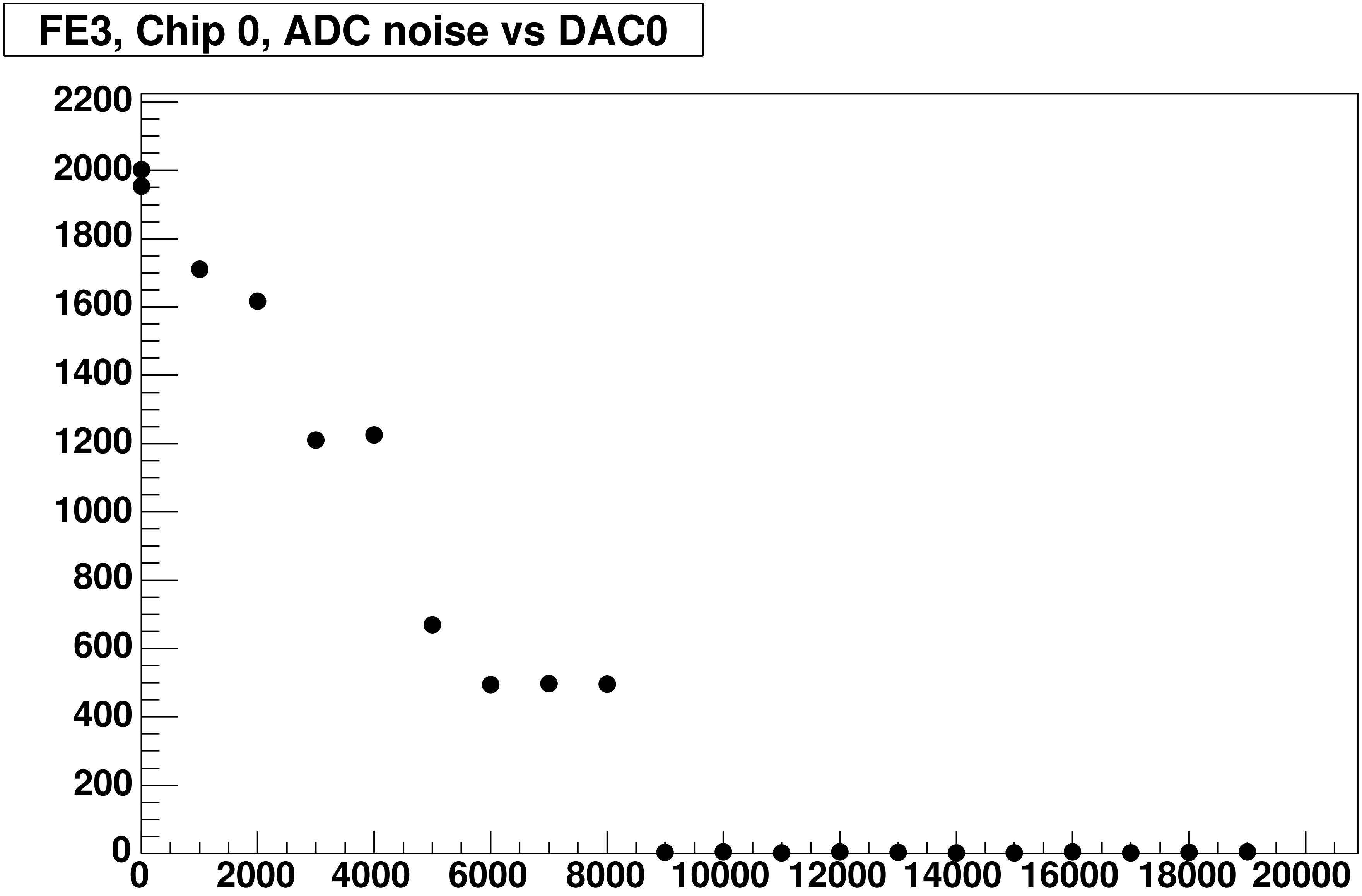
FE2, Chip 11, ADC mean vs DAC1
χ^2 / ndf 1.723e+05 / 17
p0 109.4 ± 0.08008
p1 0.451 ± 4.999e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE2, Chip 11, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

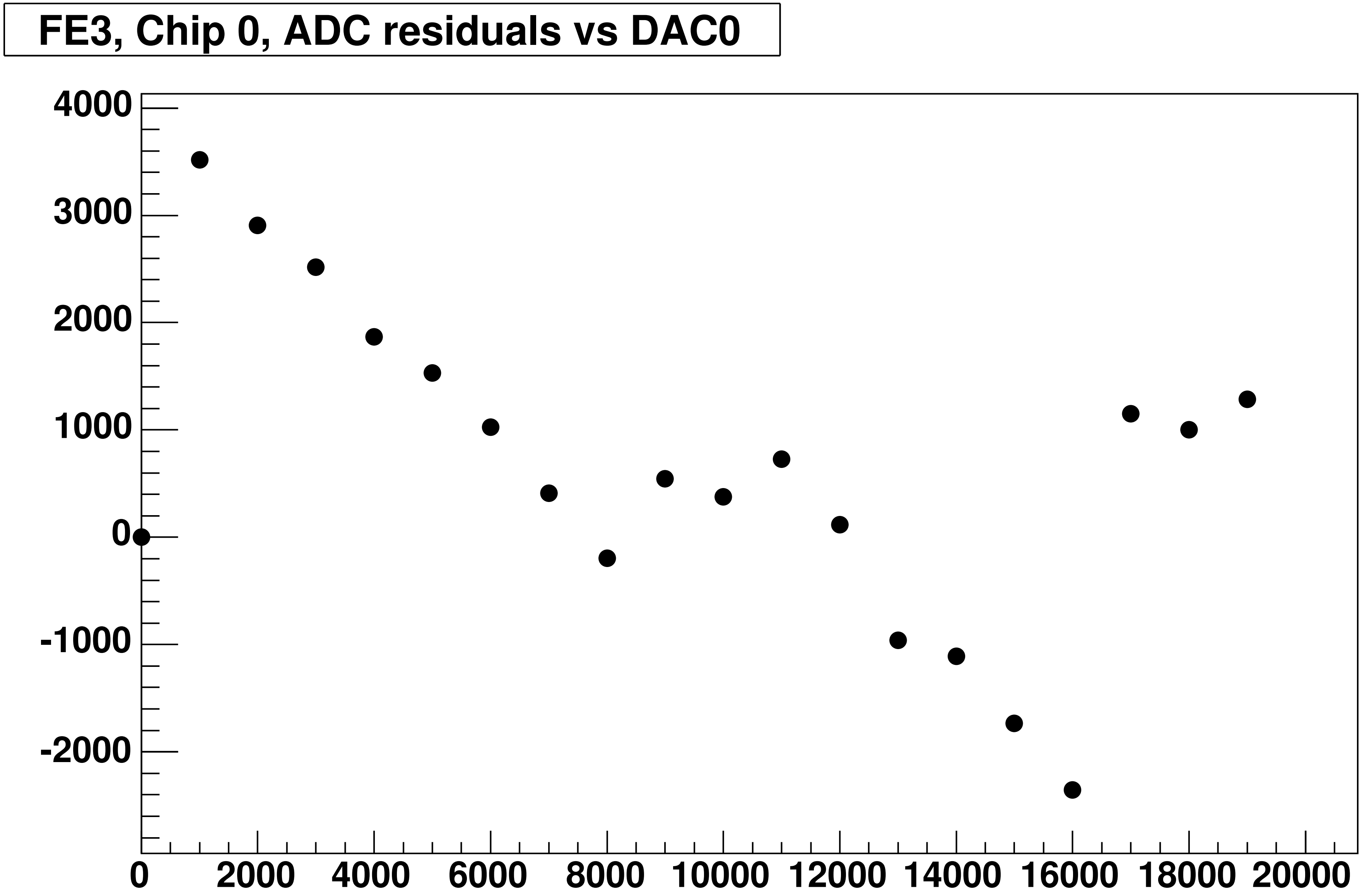

FE2, Chip 11, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

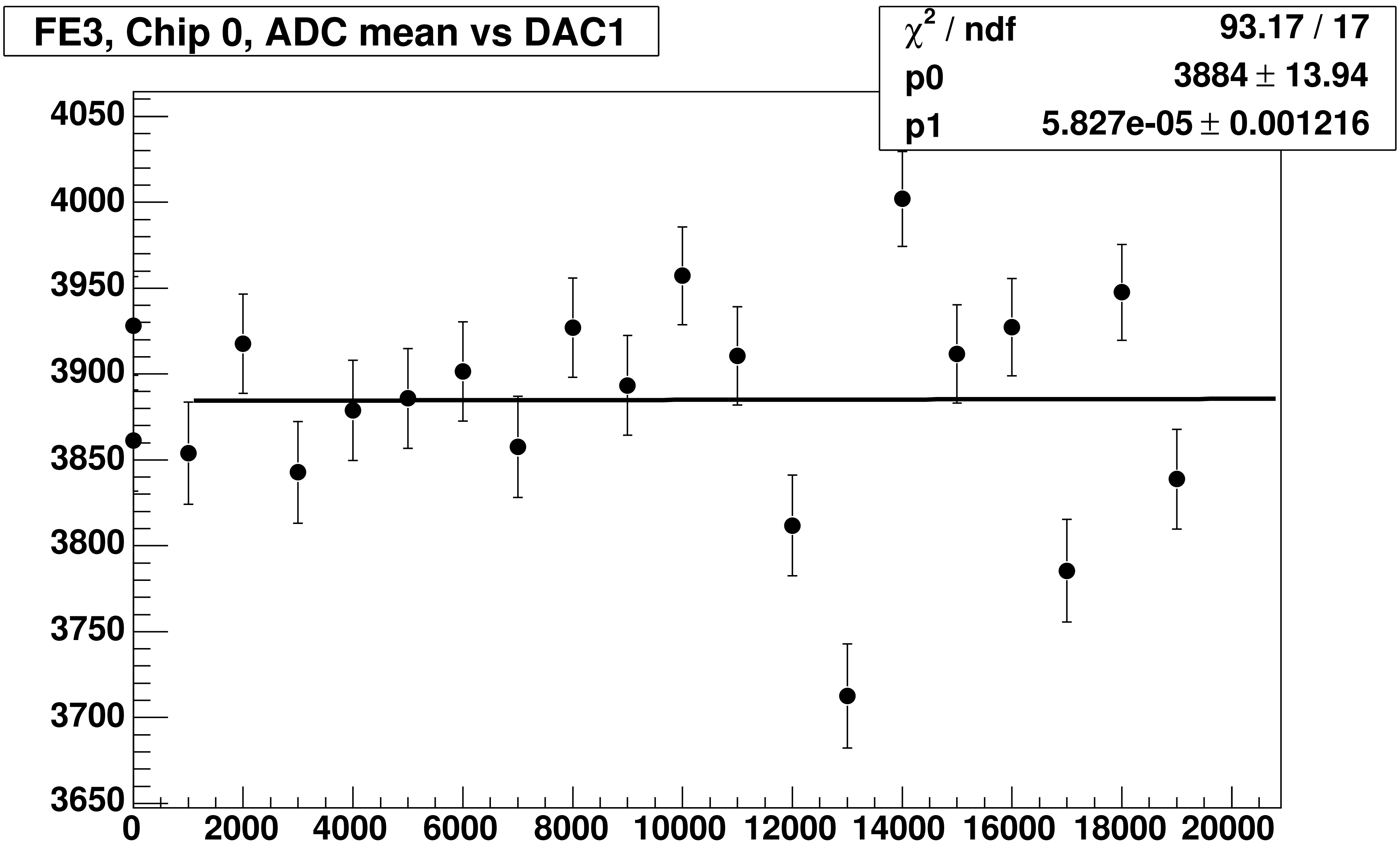


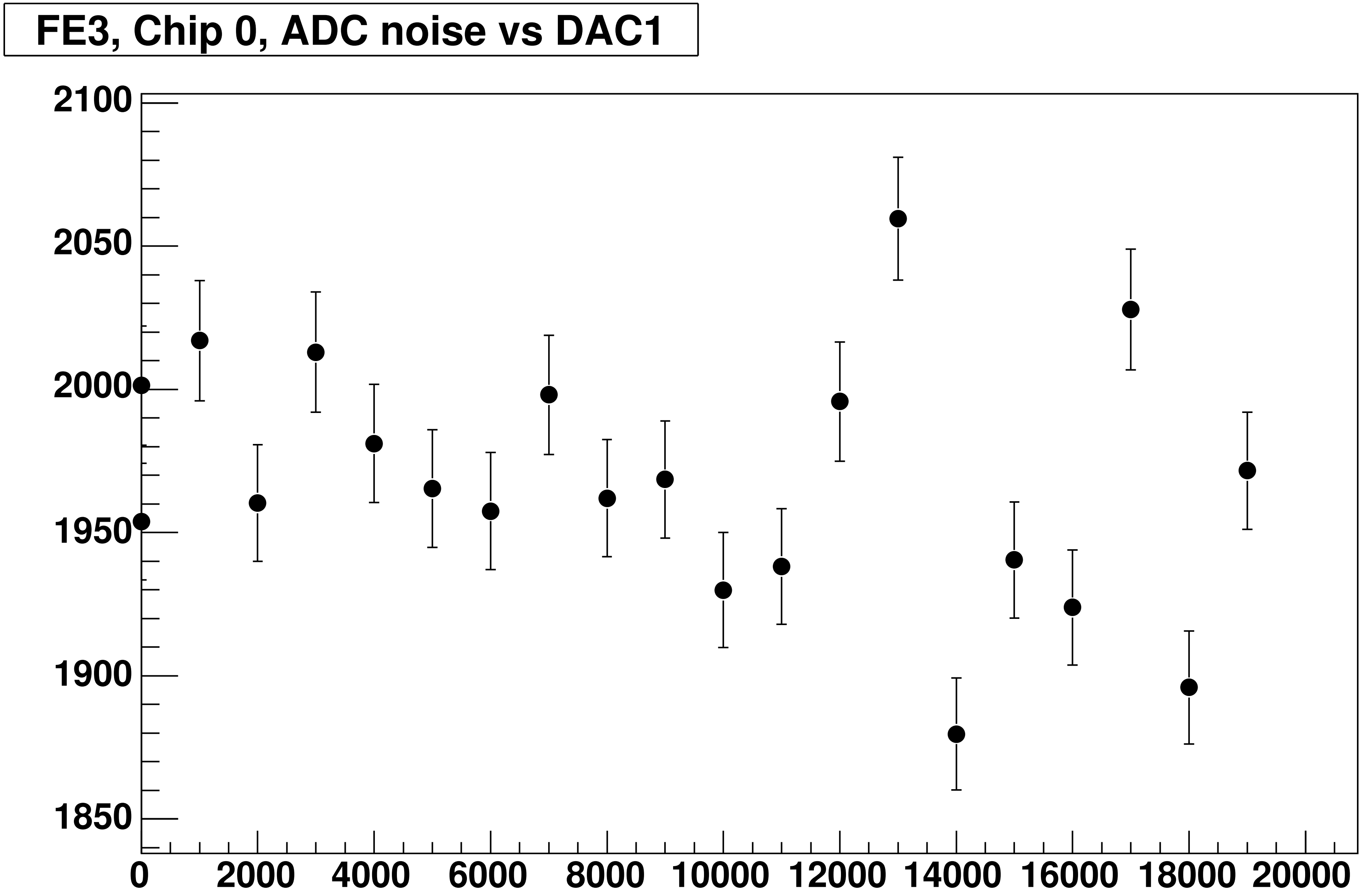
FE3, Chip 0, ADC mean vs DAC0
χ^2 / ndf 1.048e+10 / 17
p0 -46.6 ± 0.05374
p1 0.6124 ± 3.842e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



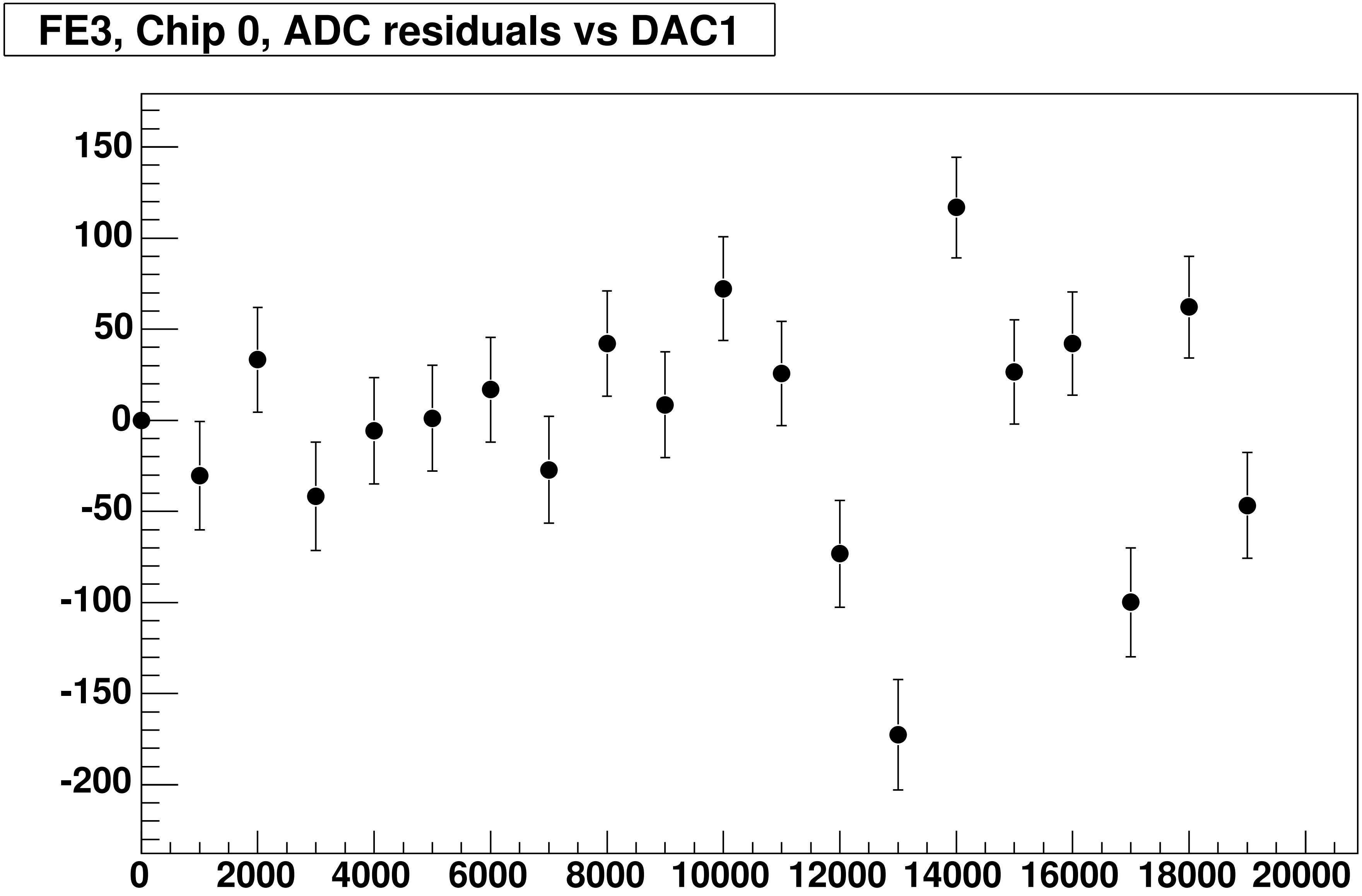
FE3, Chip 0, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

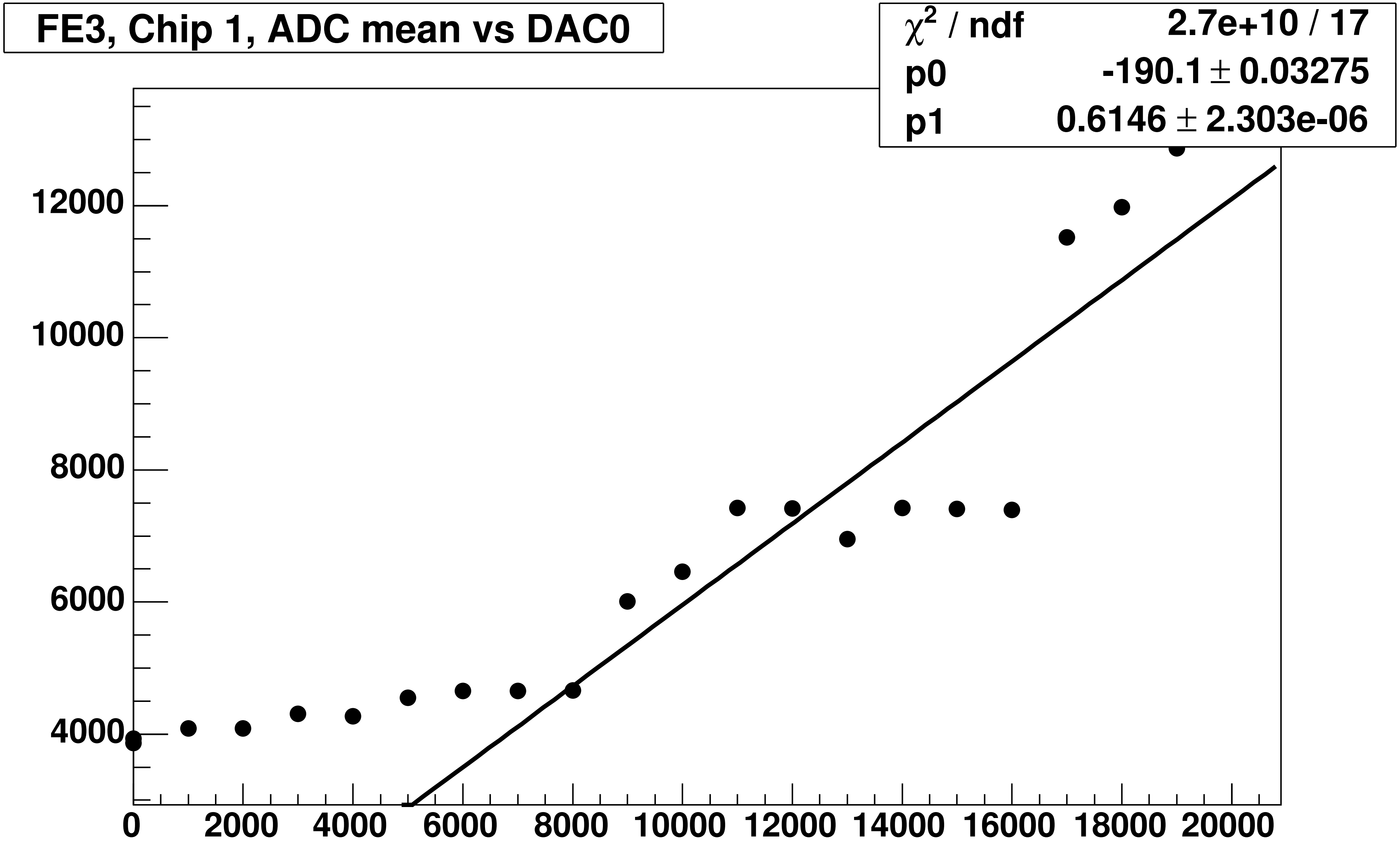

FE3, Chip 0, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 0, ADC mean vs DAC1
χ^2 / ndf 93.17 / 17
p0 3884 ± 13.94
p1 5.827e-05 ± 0.001216
4050
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

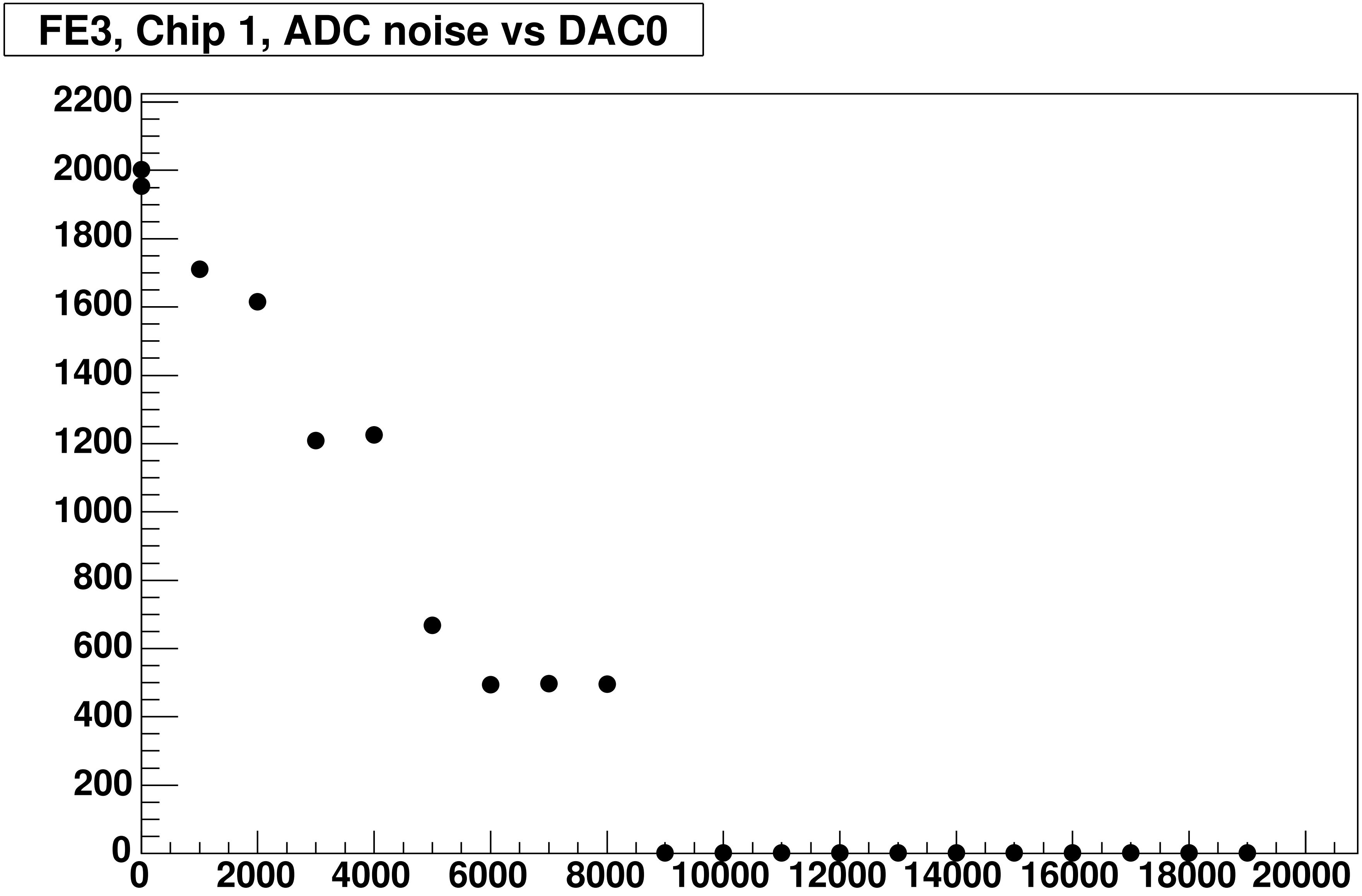


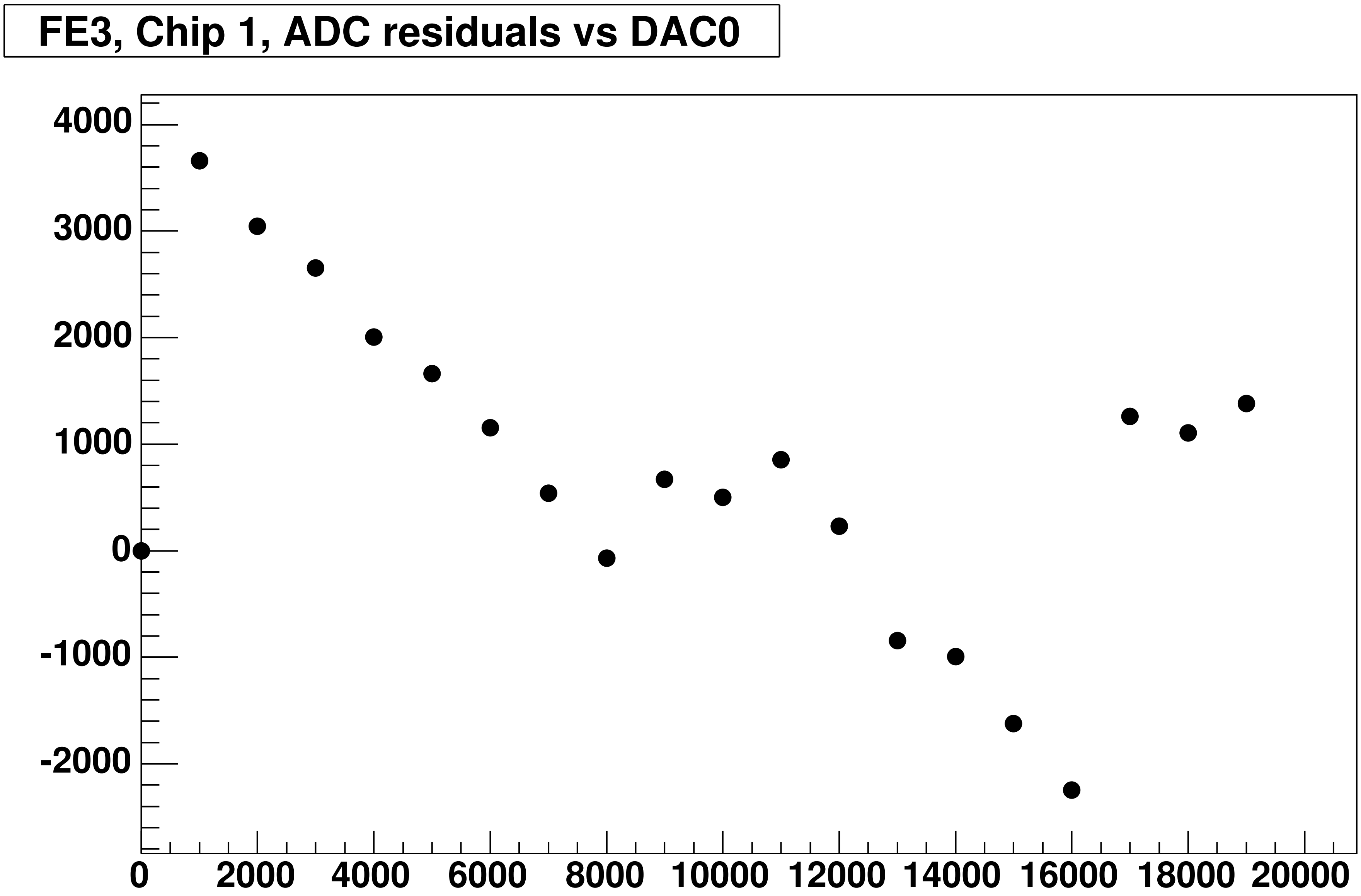
FE3, Chip 0, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 0, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

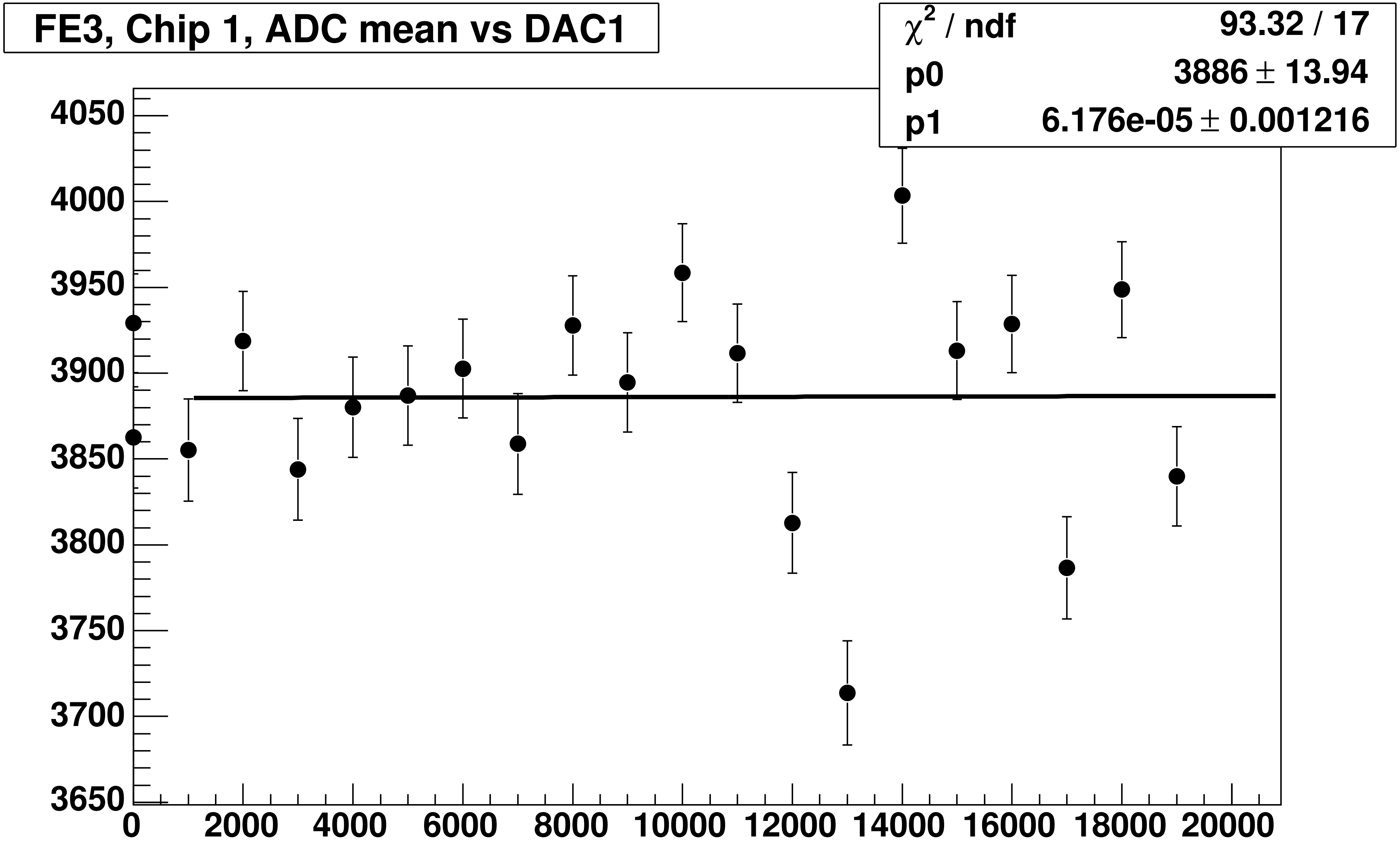


FE3, Chip 1, ADC mean vs DAC0
χ^2 / ndf 2.7e+10 / 17
p0 -190.1 ± 0.03275
p1 0.6146 ± 2.303e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

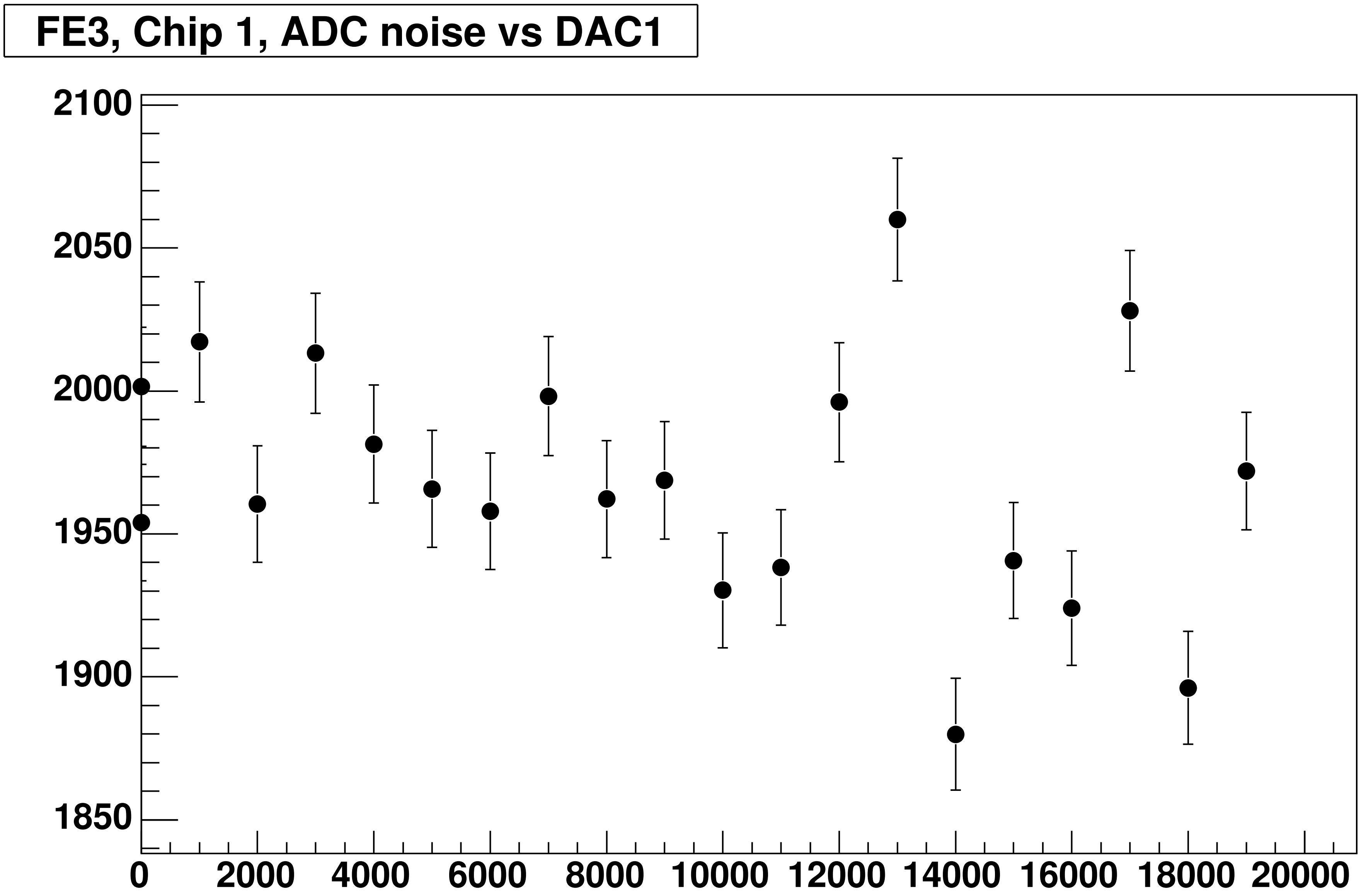

FE3, Chip 1, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



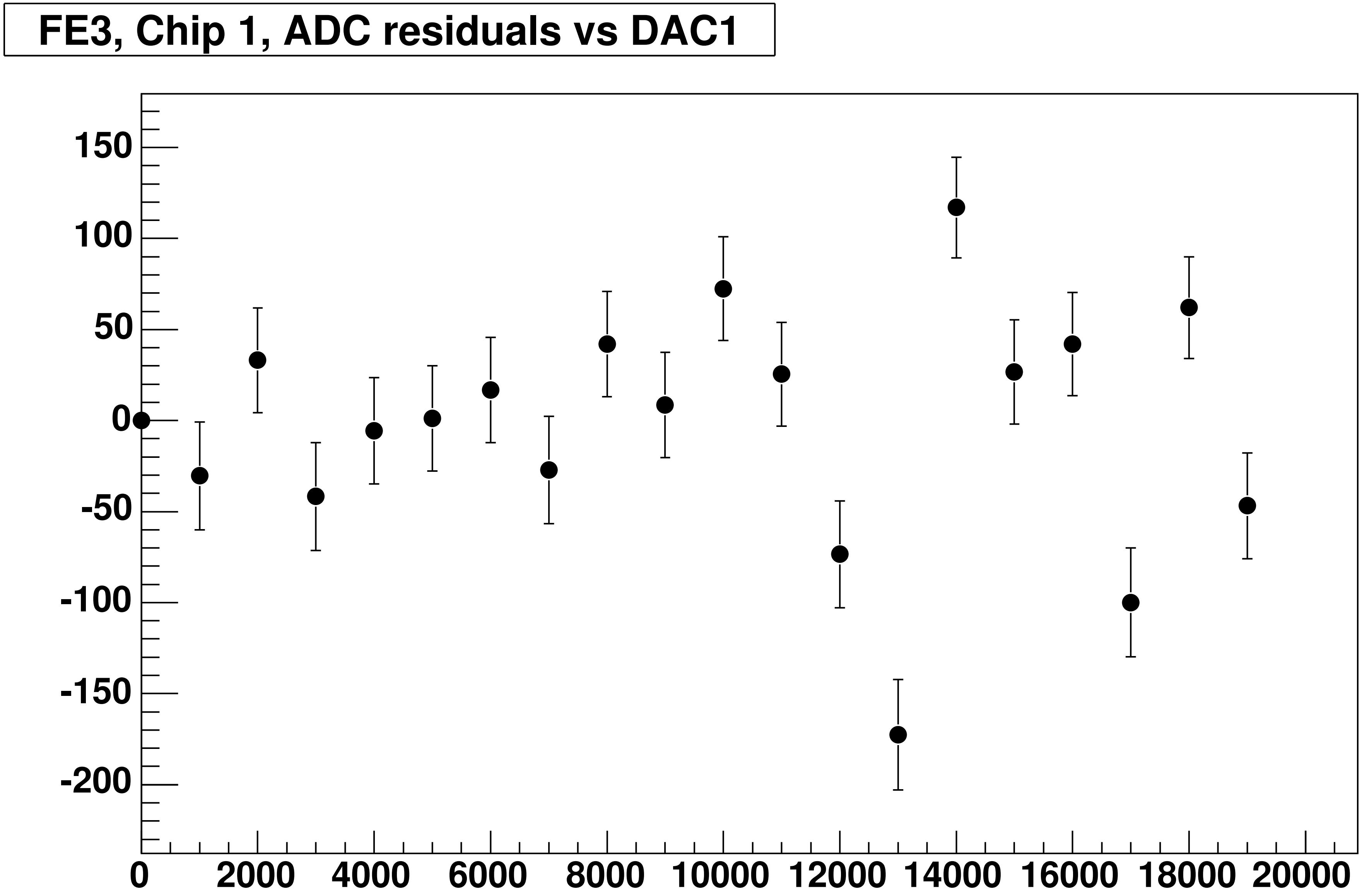
FE3, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

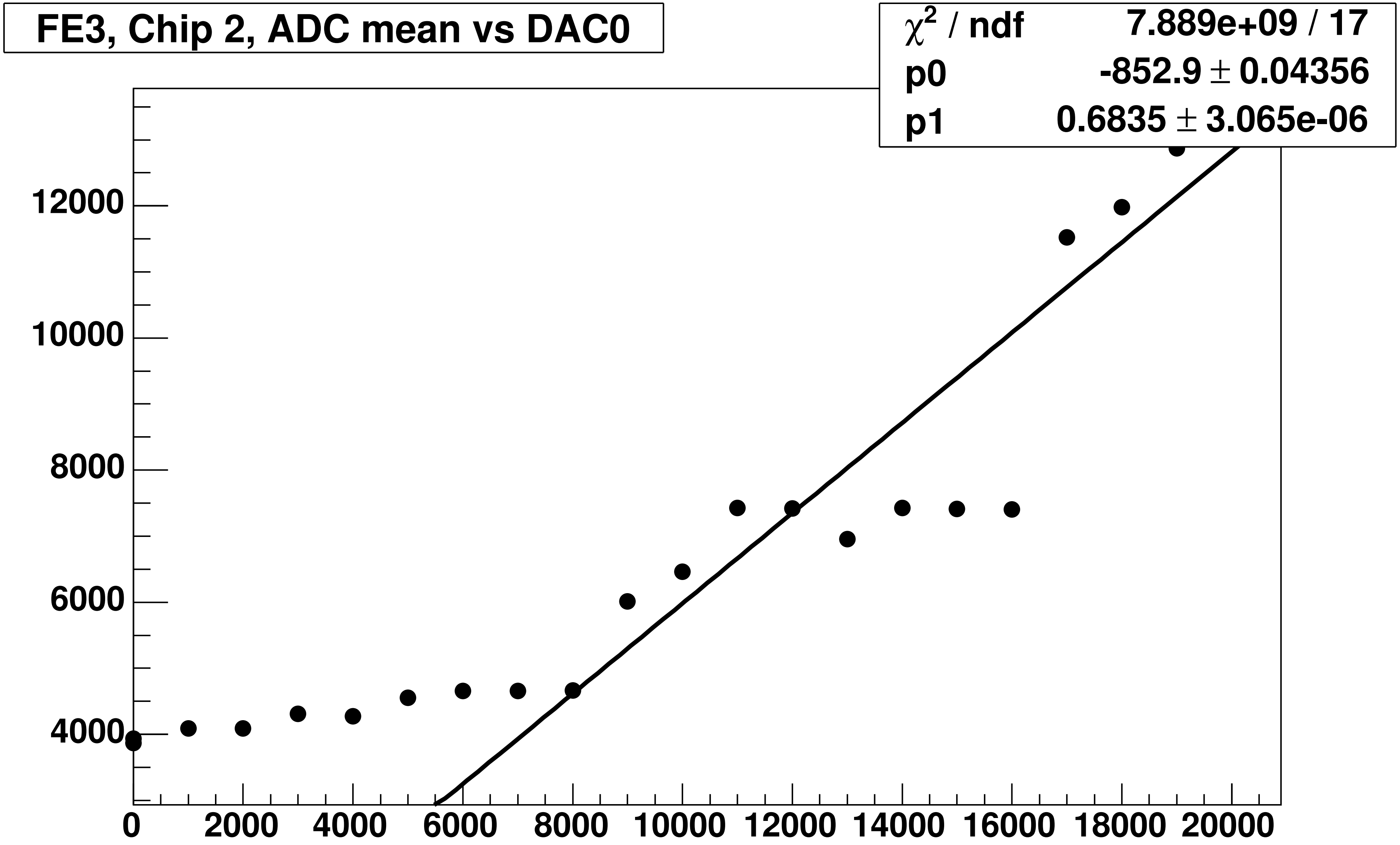


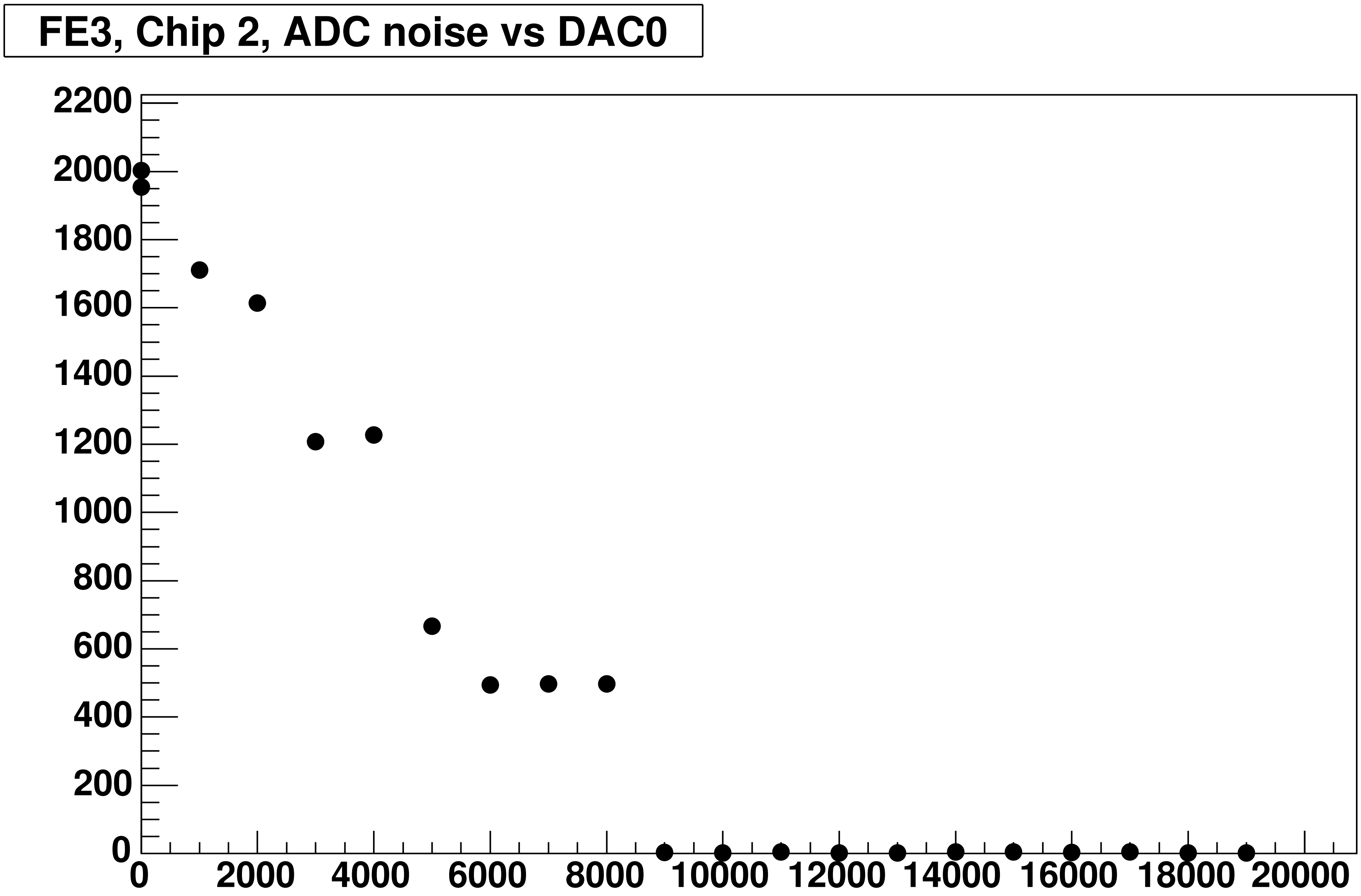
FE3, Chip 1, ADC mean vs DAC1
χ^2 / ndf 93.32 / 17
p0 3886 ± 13.94
p1 6.176e-05 ± 0.001216
4050
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

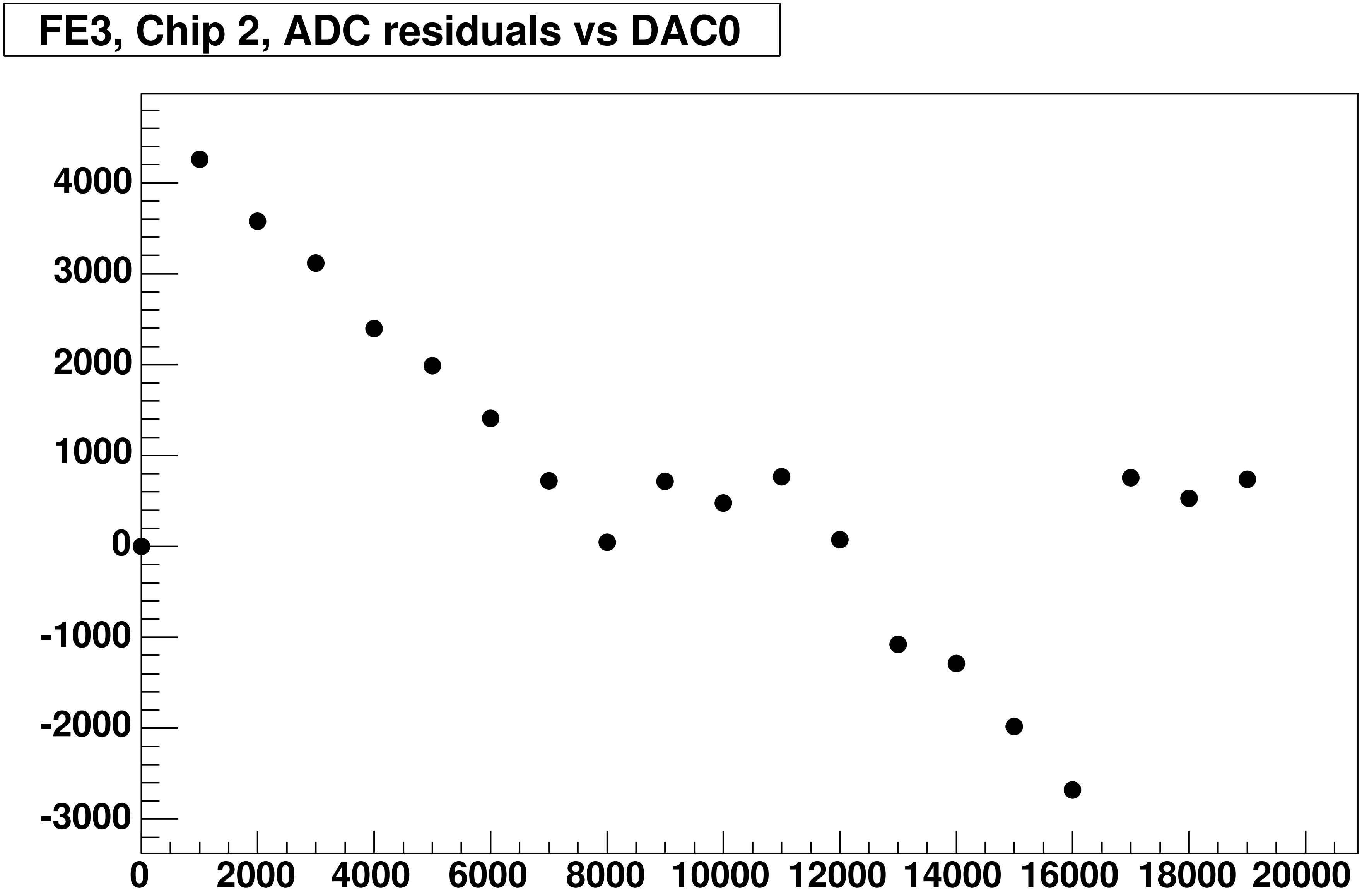


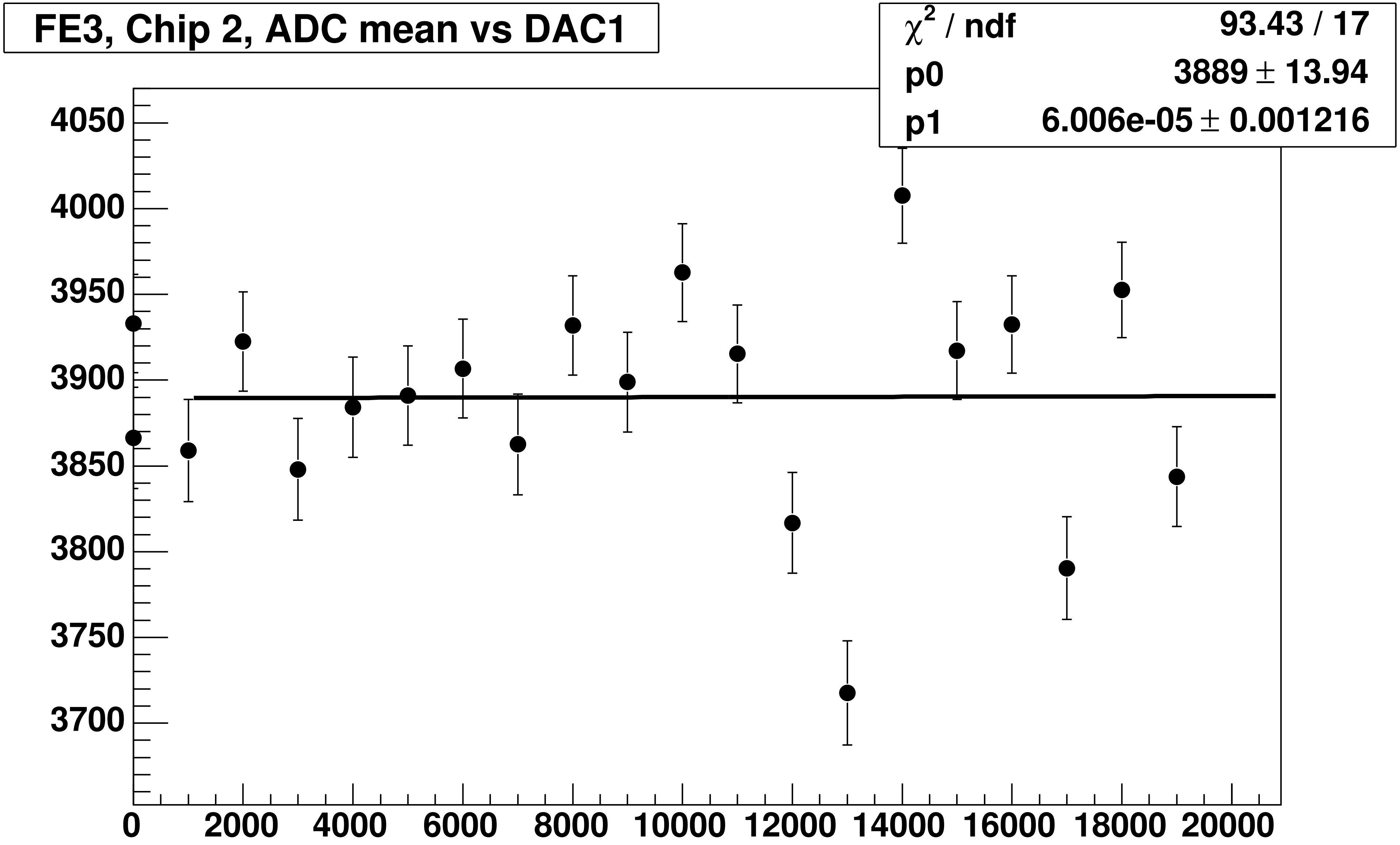
FE3, Chip 1, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

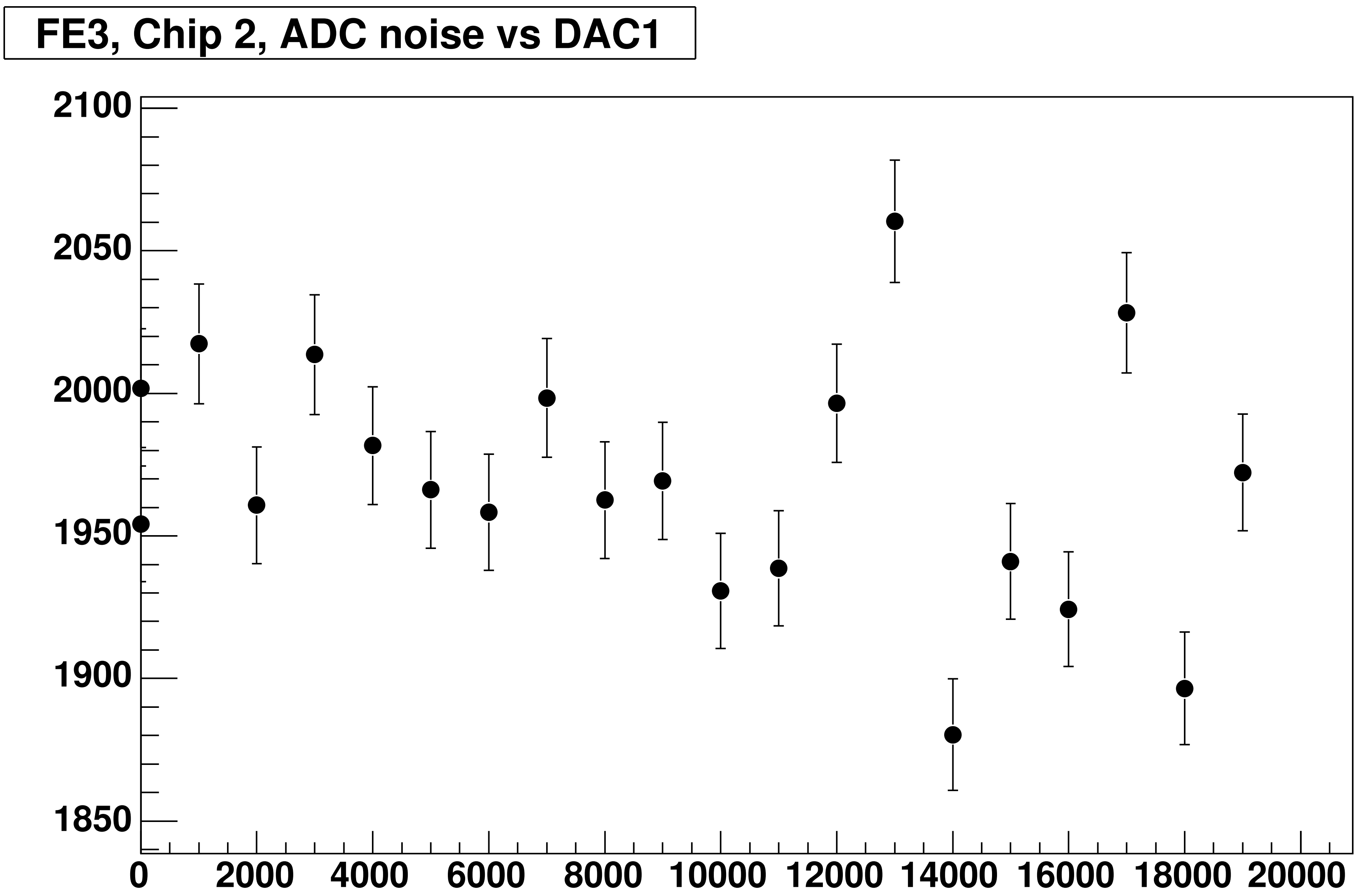

FE3, Chip 1, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

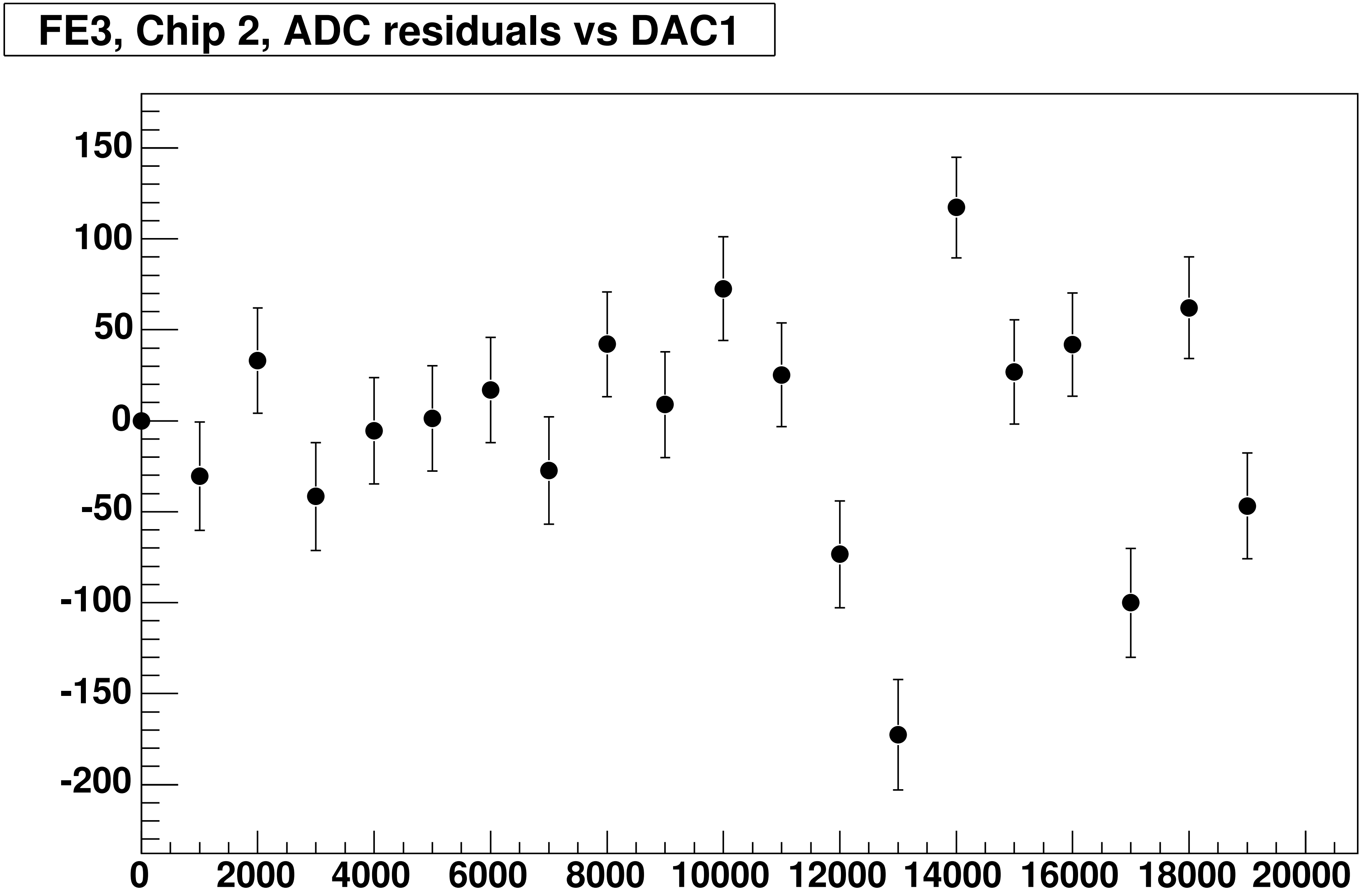

FE3, Chip 2, ADC mean vs DAC0
χ^2 / ndf 7.889e+09 / 17
p0 -852.9 ± 0.04356
p1 0.6835 ± 3.065e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

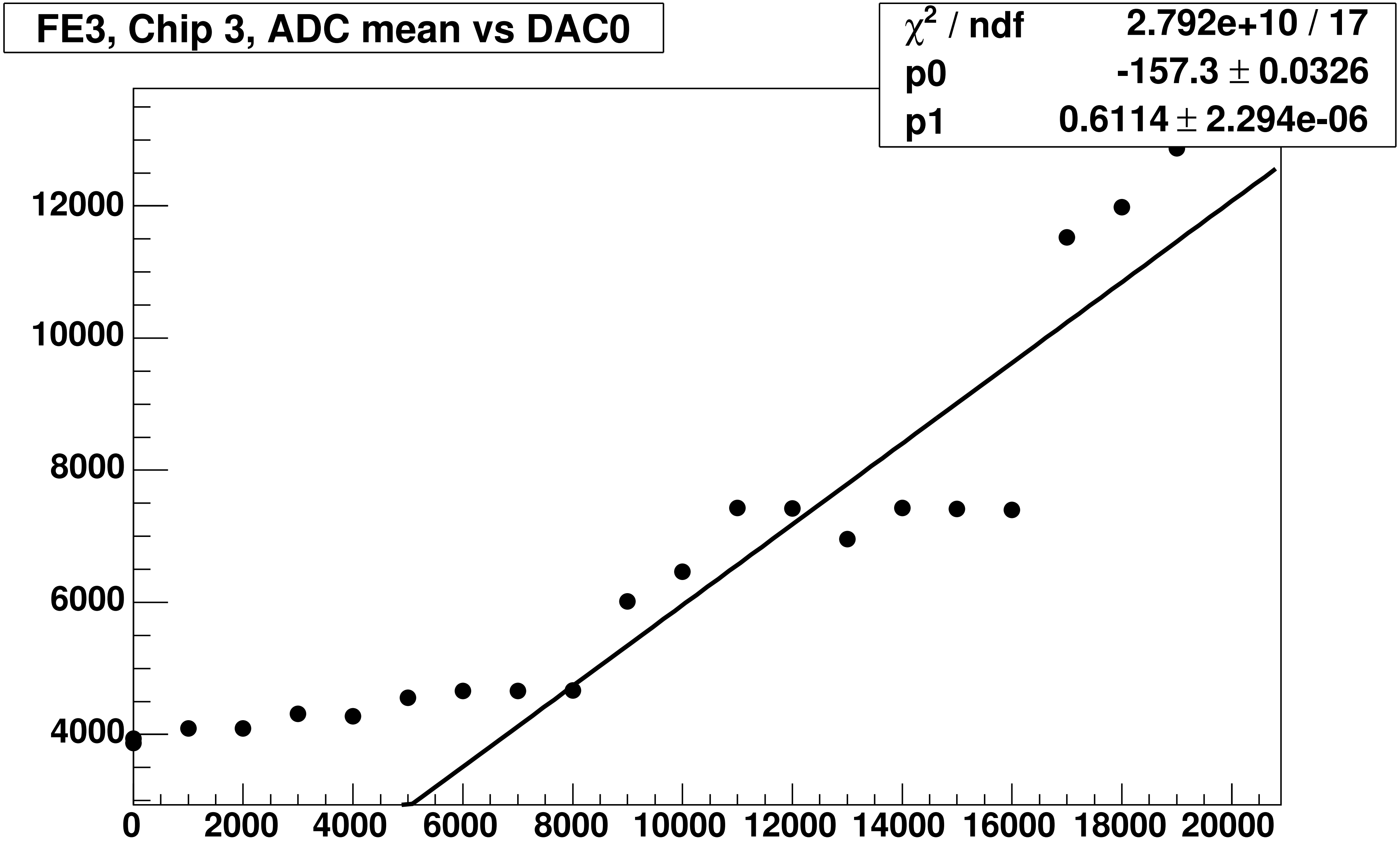

FE3, Chip 2, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 2, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
-3000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 2, ADC mean vs DAC1
χ^2 / ndf 93.43 / 17
p0 3889 ± 13.94
p1 6.006e-05 ± 0.001216
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 2, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 2, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE3, Chip 3, ADC mean vs DAC0
χ2 / ndf 2.792e+10 / 17
p0 -157.3 ± 0.0326
p1 0.6114 ± 2.294e-06
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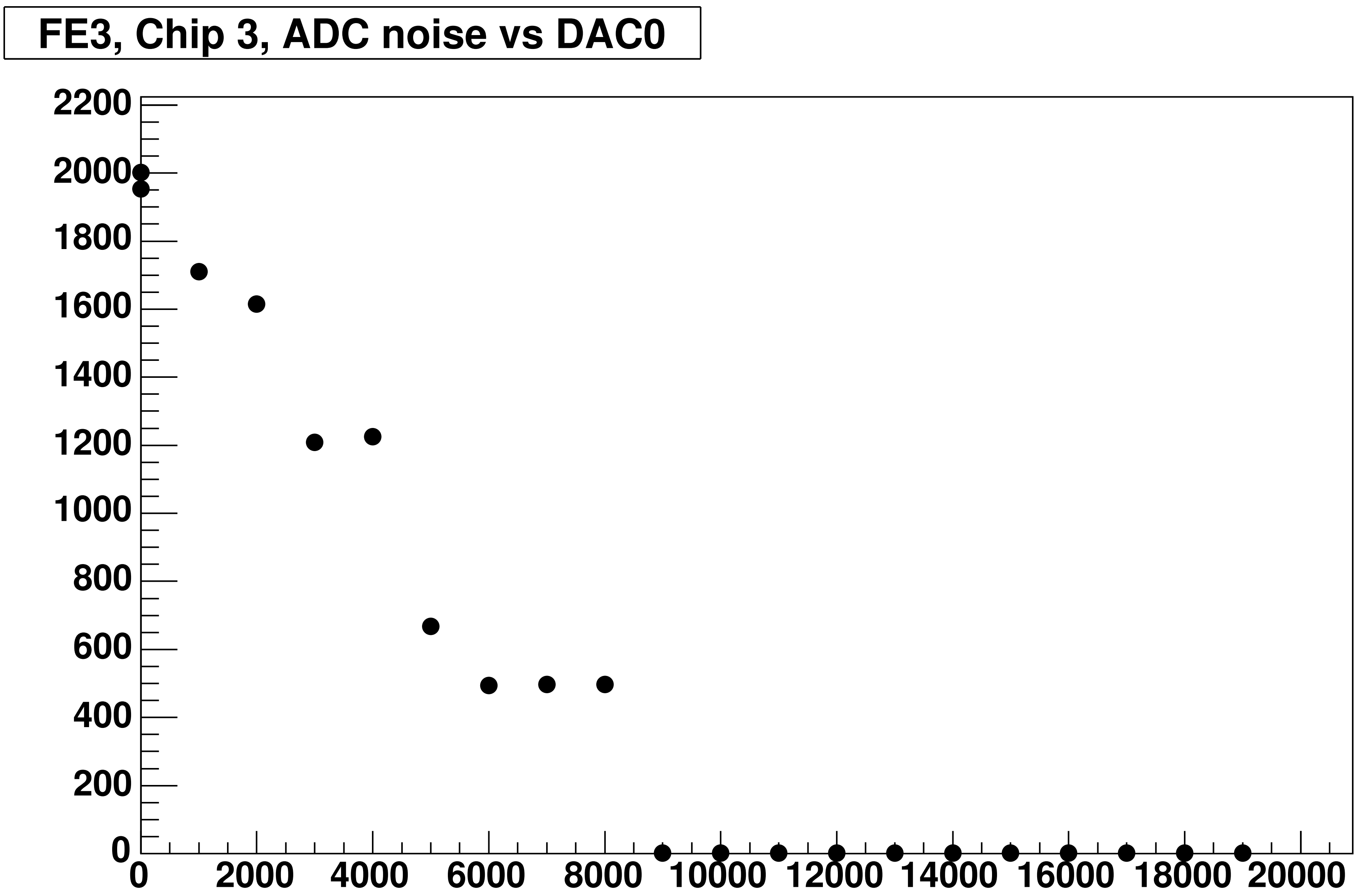
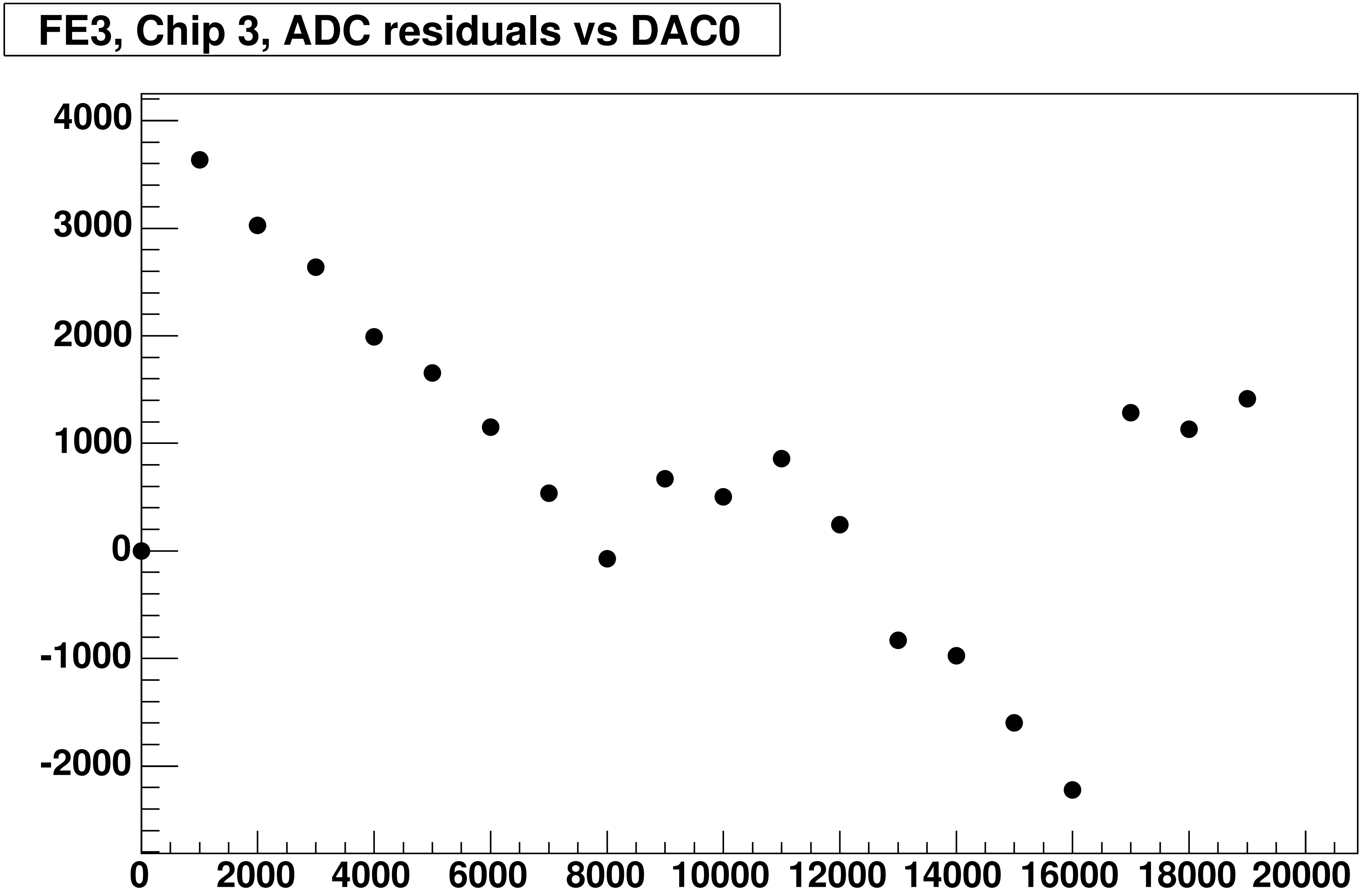
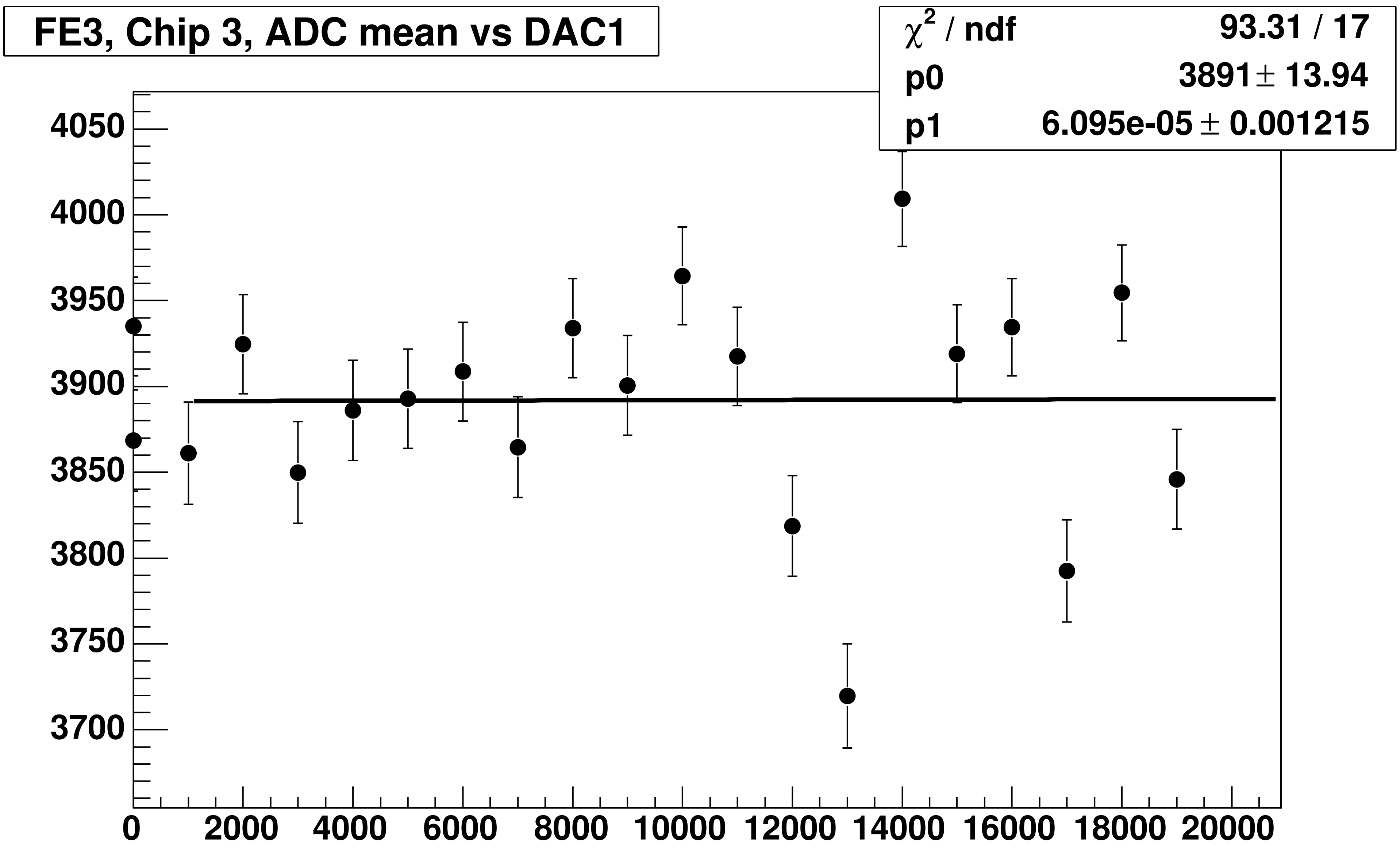
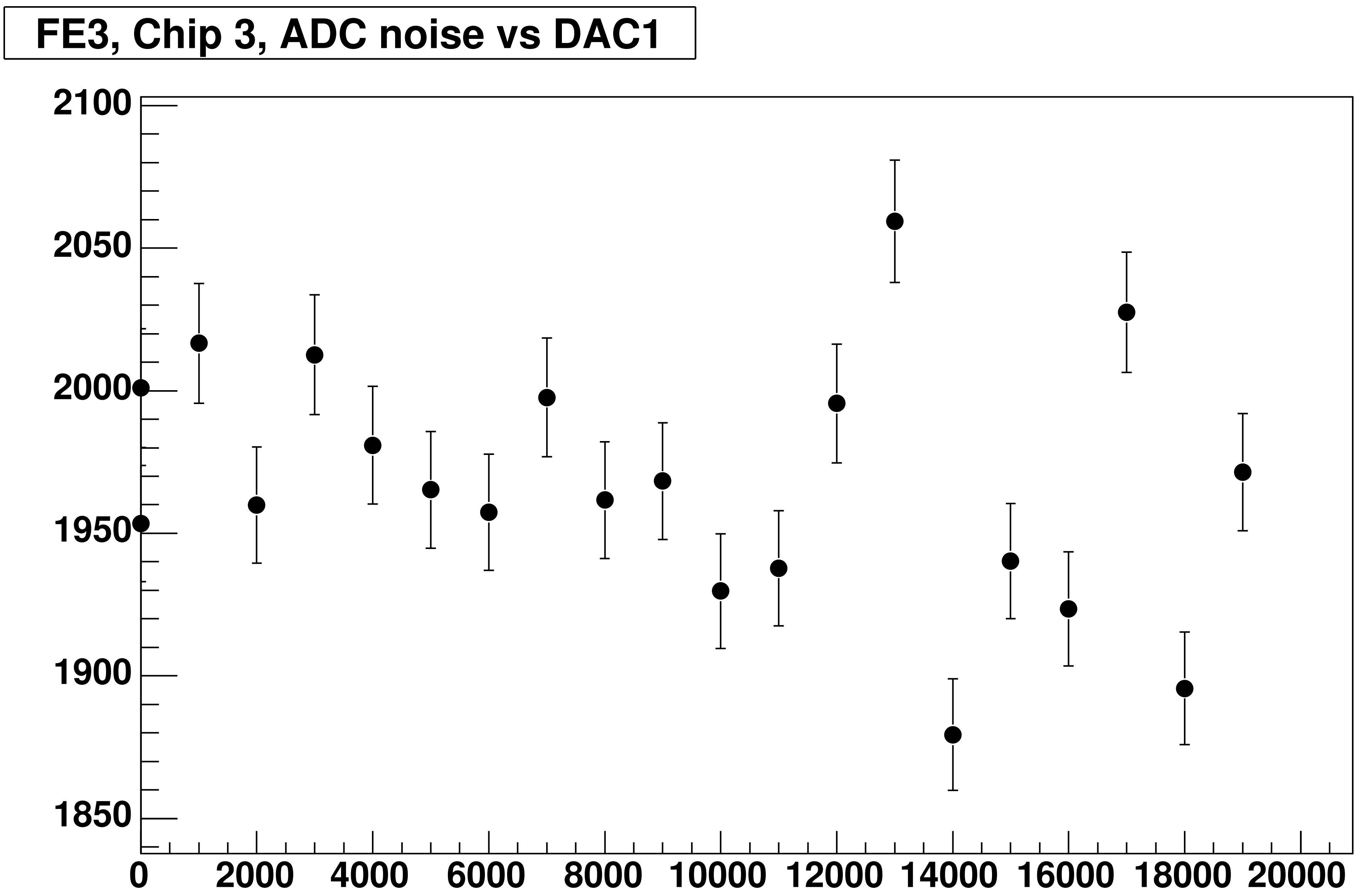
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



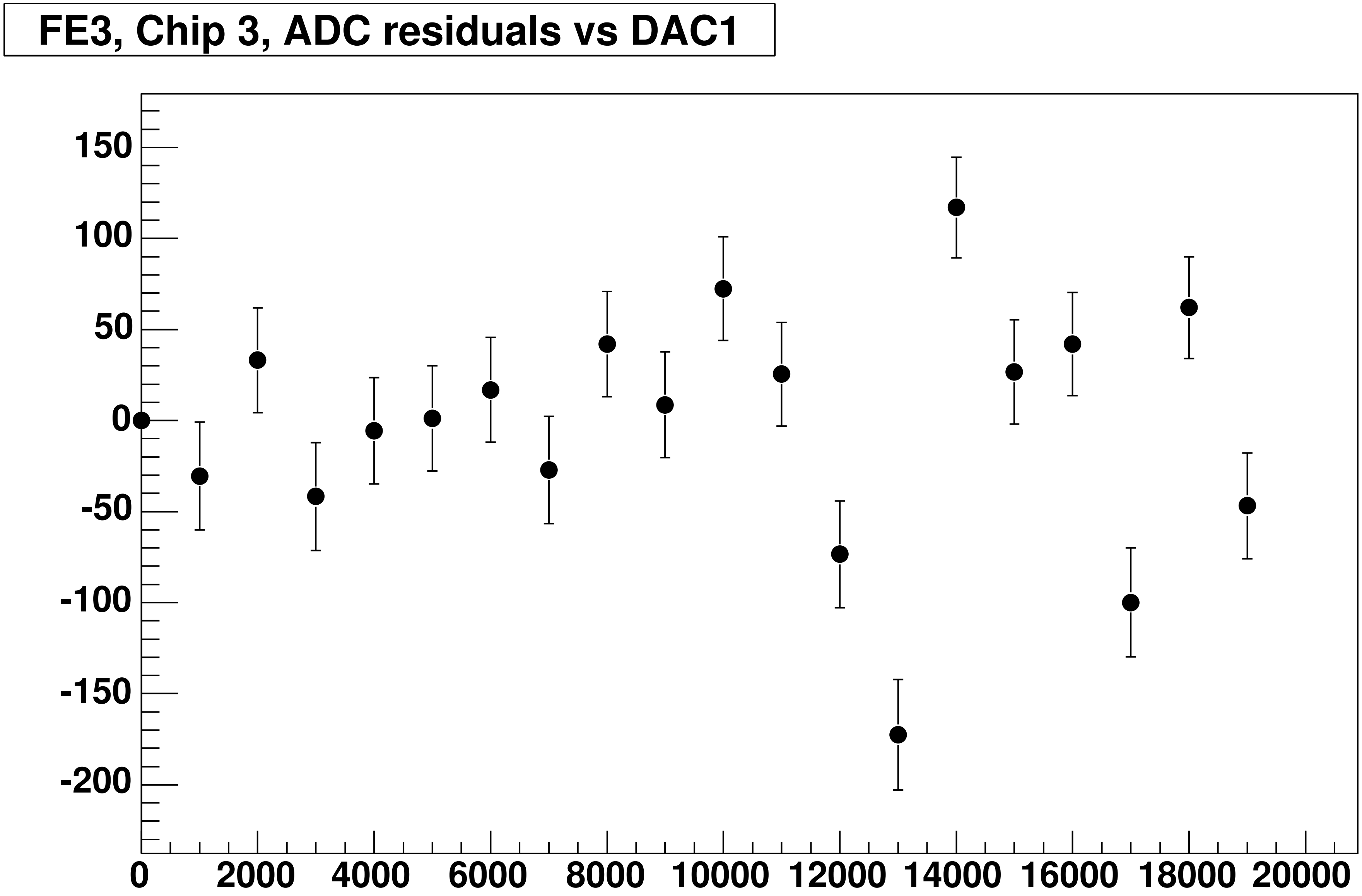
FE3, Chip 3, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

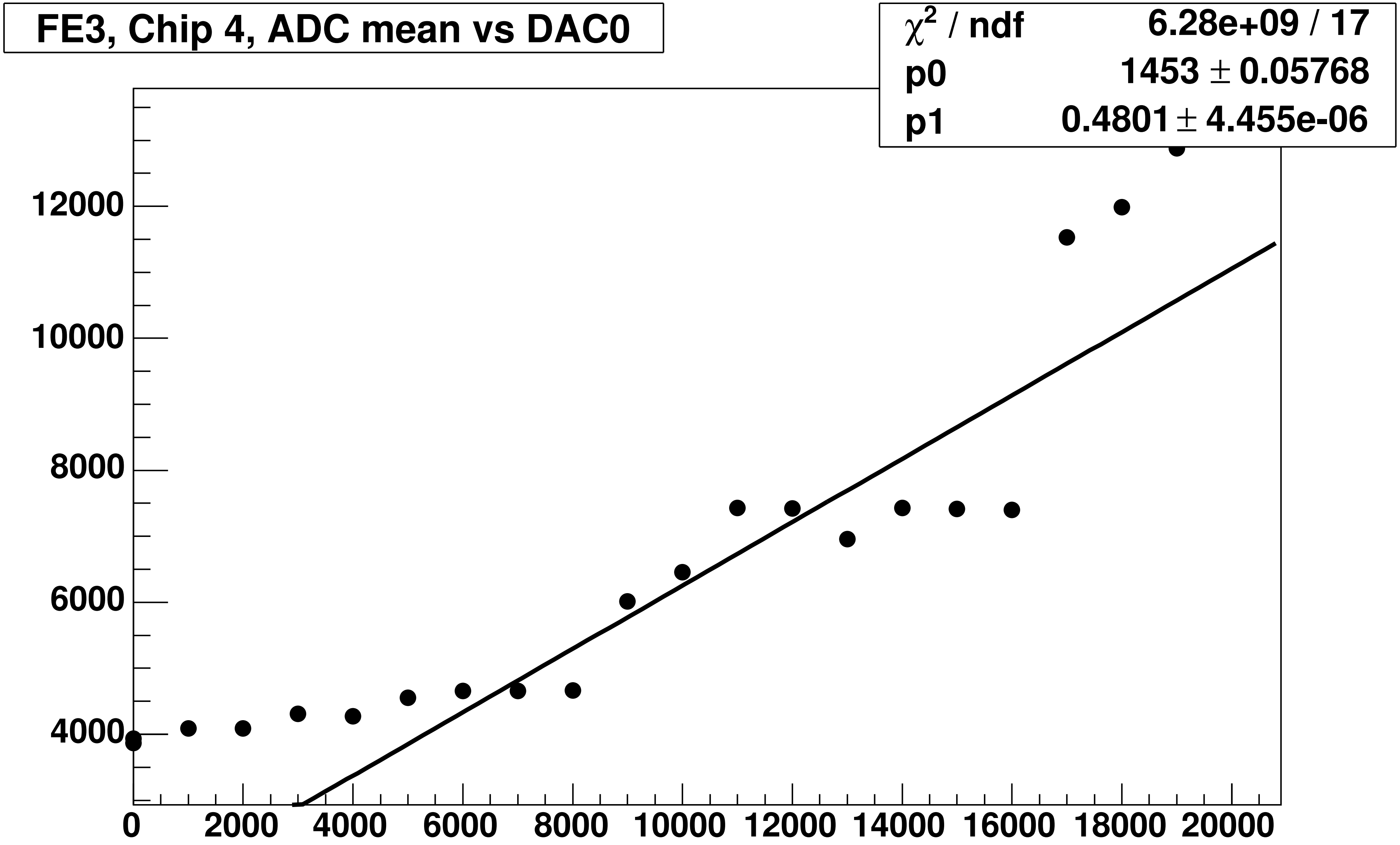

FE3, Chip 3, ADC mean vs DAC1
χ^2 / ndf 93.31 / 17
p0 3891 ± 13.94
p1 6.095e-05 ± 0.001215
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



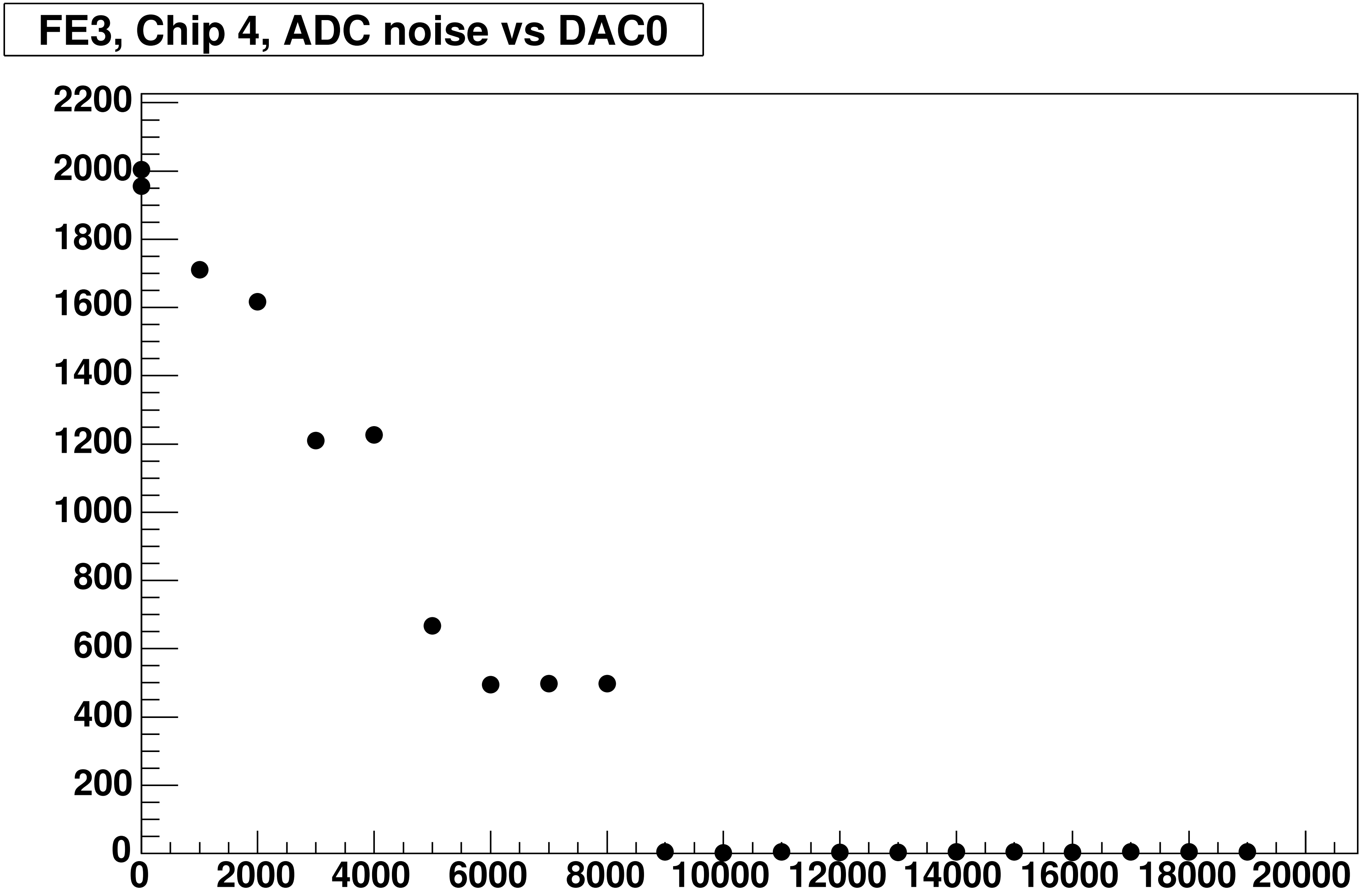
FE3, Chip 3, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

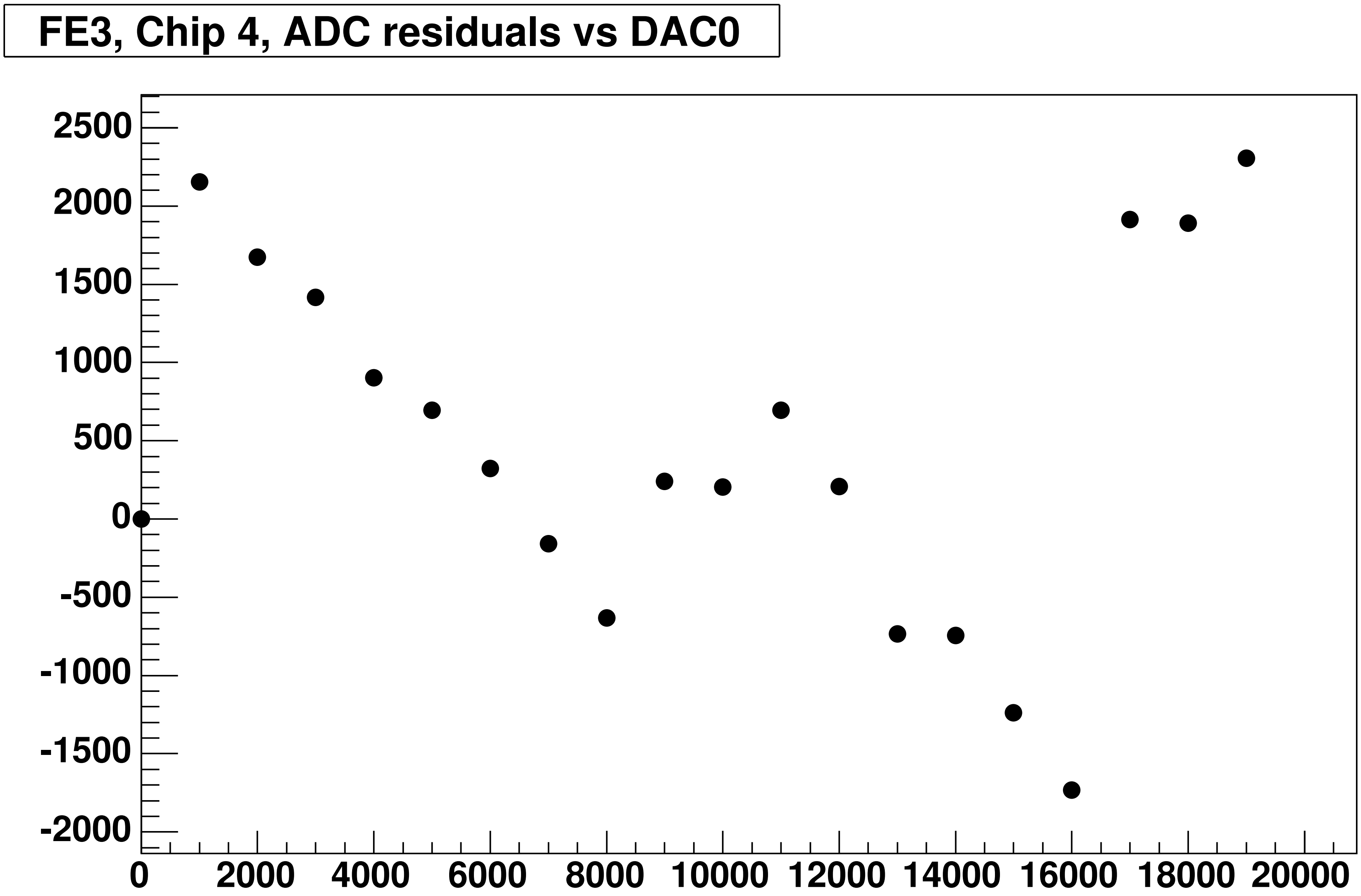


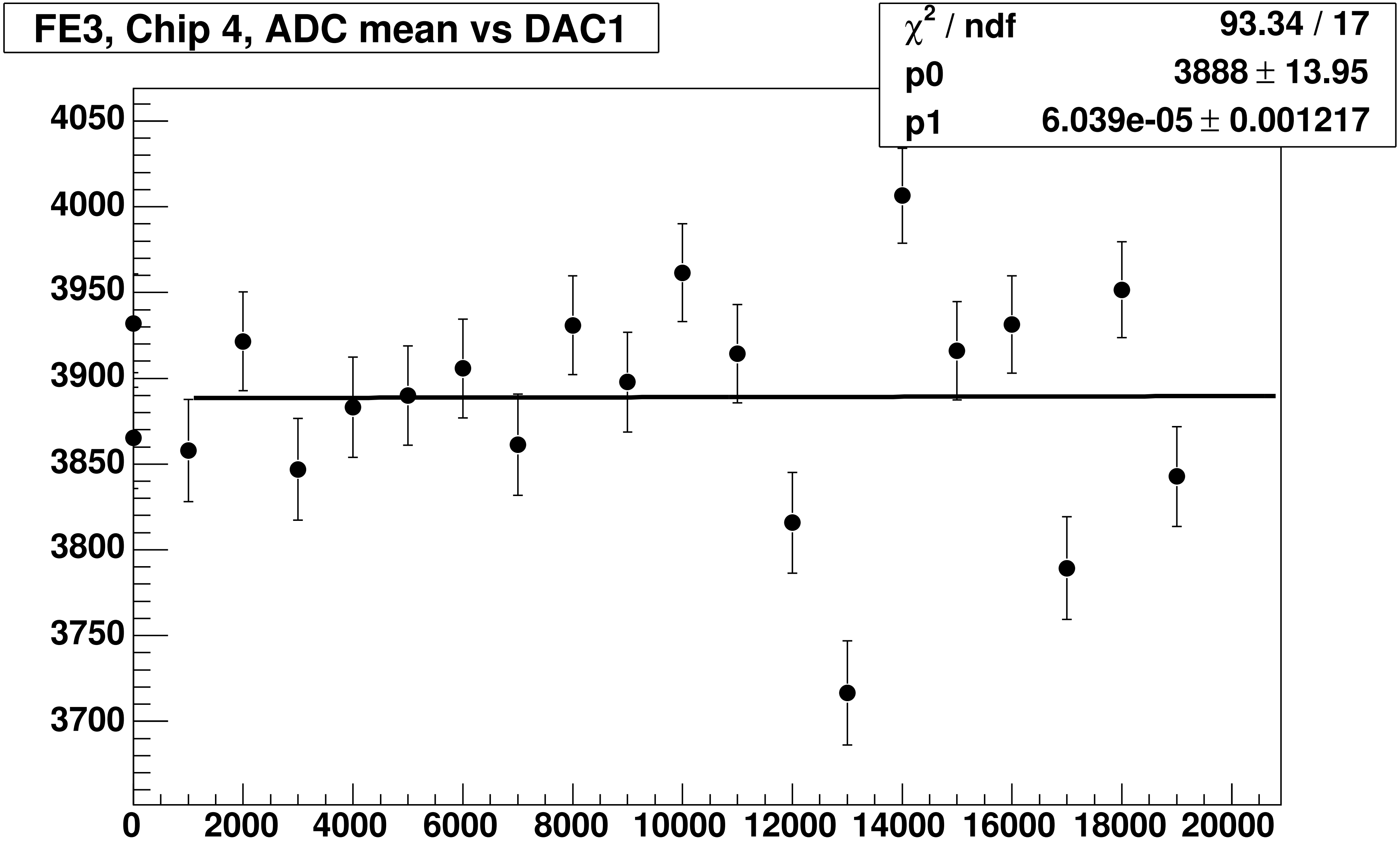
FE3, Chip 3, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

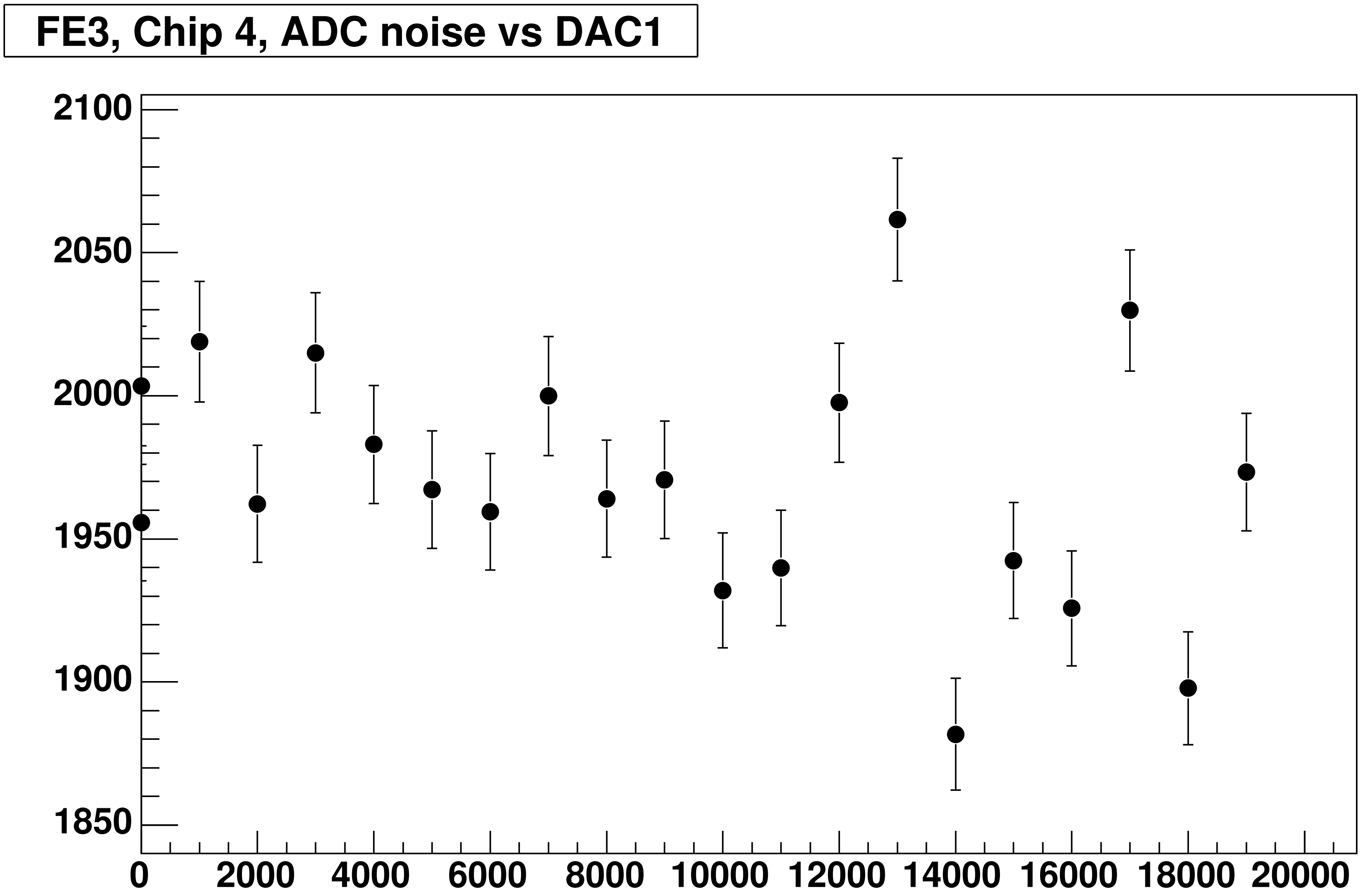


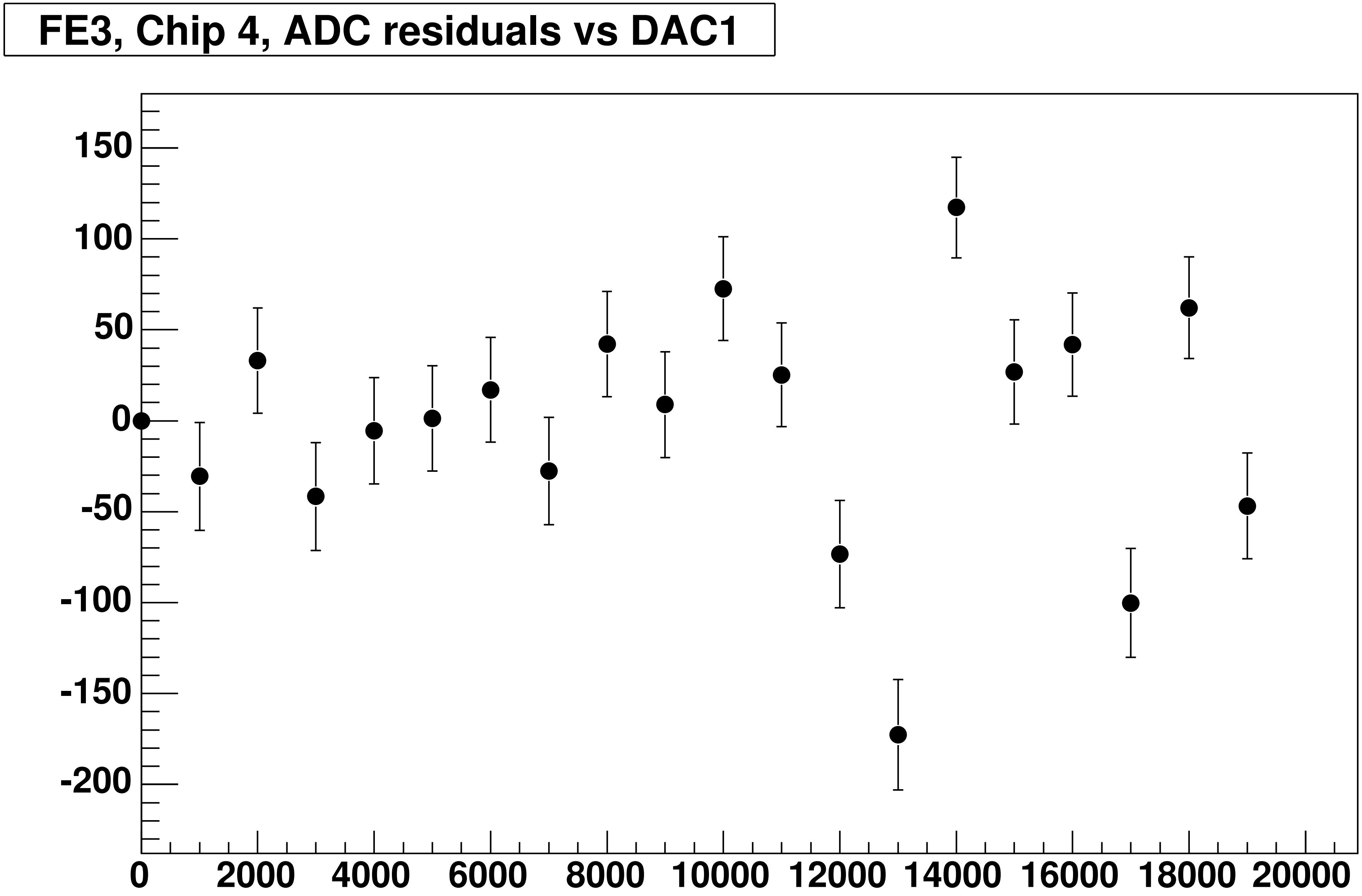
FE3, Chip 4, ADC mean vs DAC0
χ^2 / ndf 6.28e+09 / 17
p0 1453 ± 0.05768
p1 0.4801 ± 4.455e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

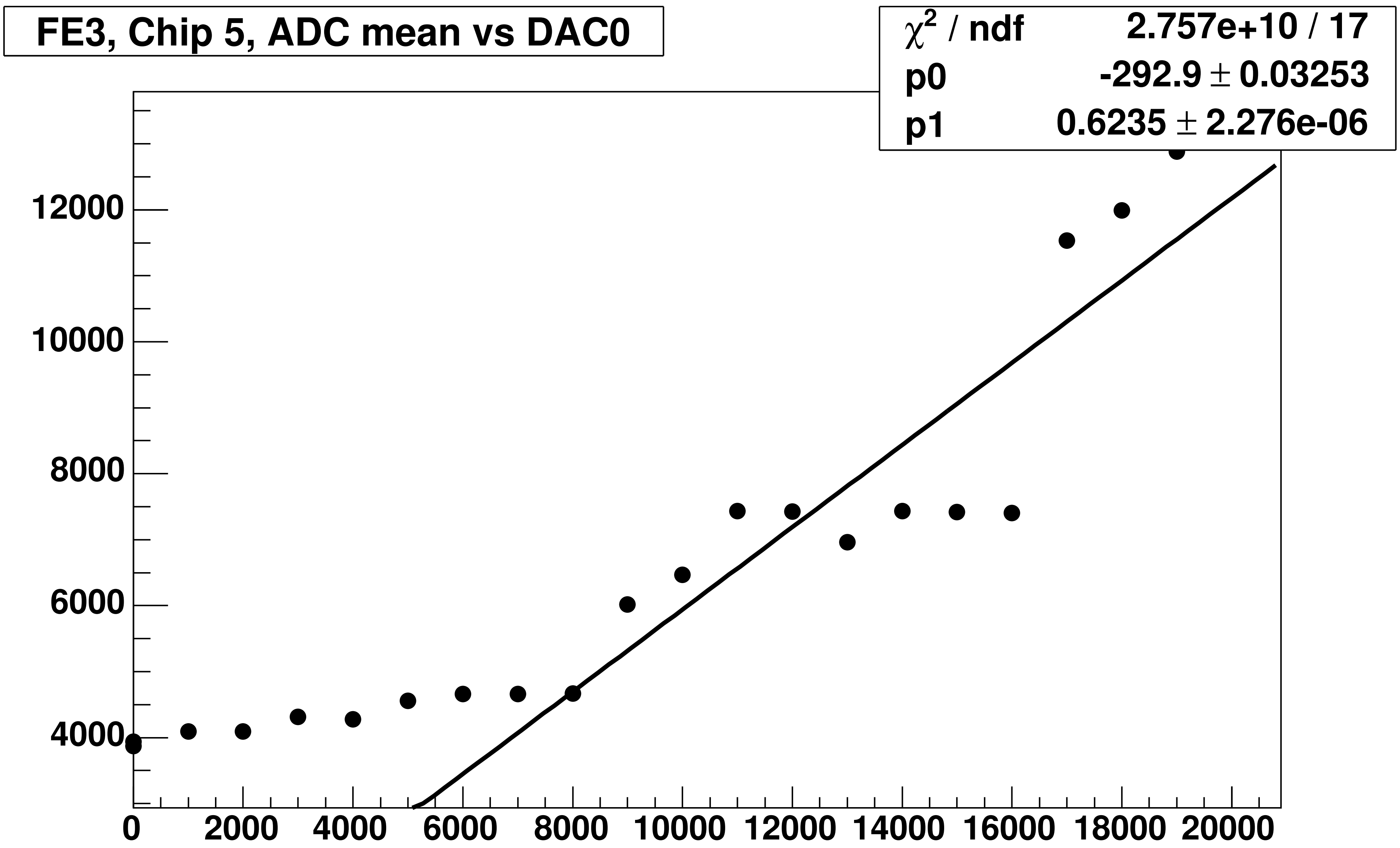

FE3, Chip 4, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 4, ADC residuals vs DAC0
2500
2000
1500
1000
500
0
-500
-1000
-1500
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

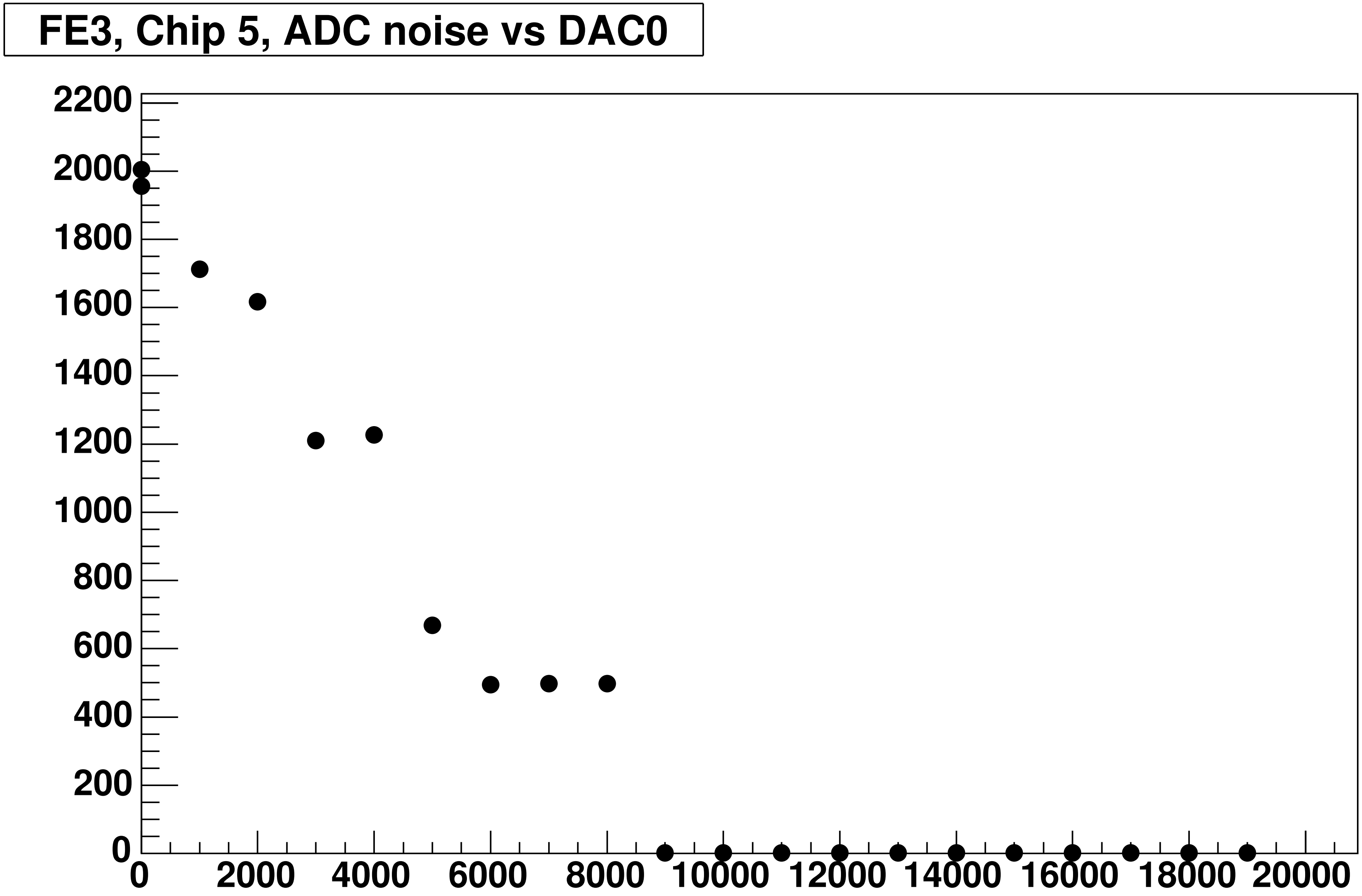

FE3, Chip 4, ADC mean vs DAC1
χ^2 / ndf 93.34 / 17
p0 3888 ± 13.95
p1 6.039e-05 ± 0.001217
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

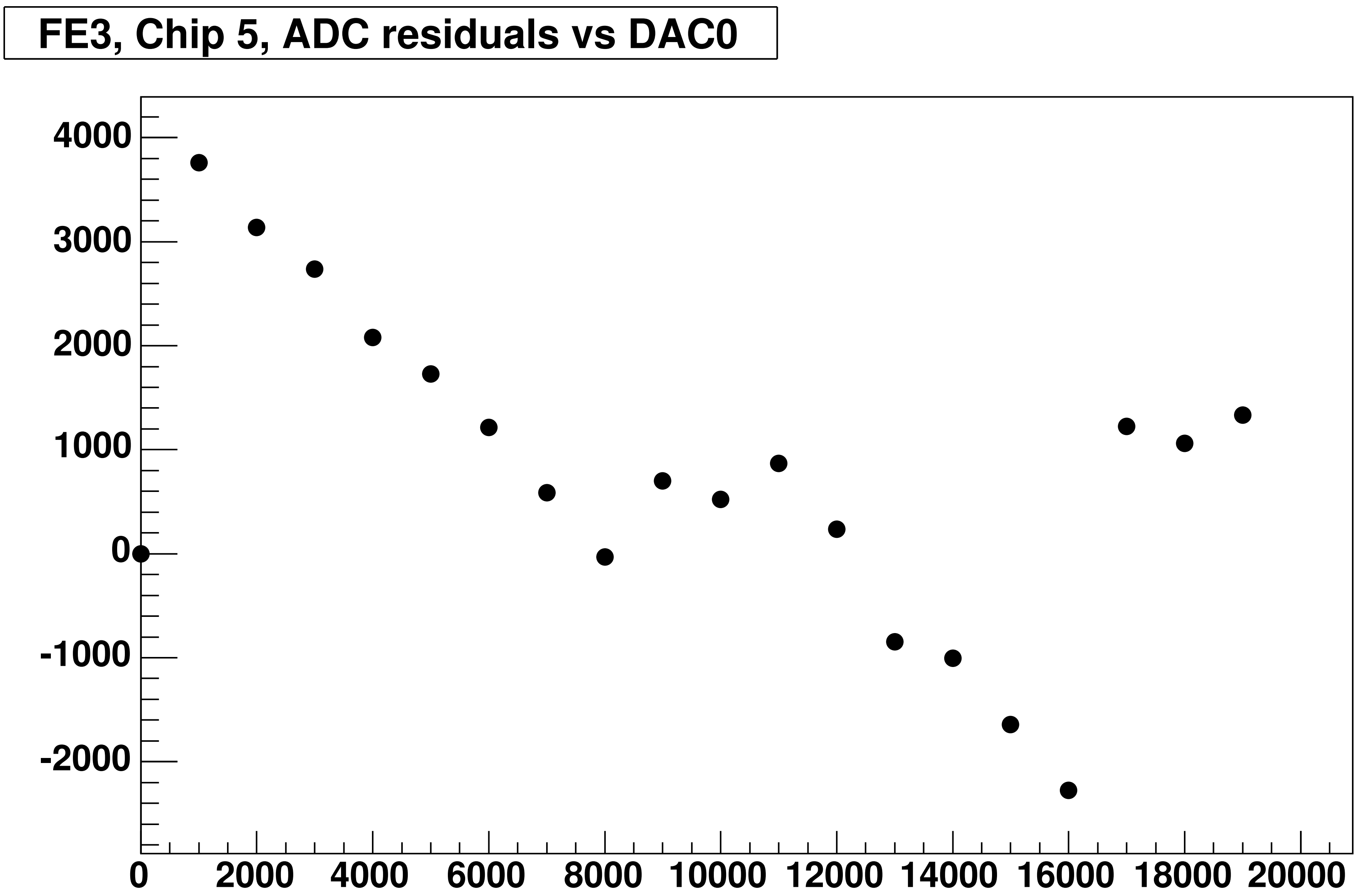

FE3, Chip 4, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

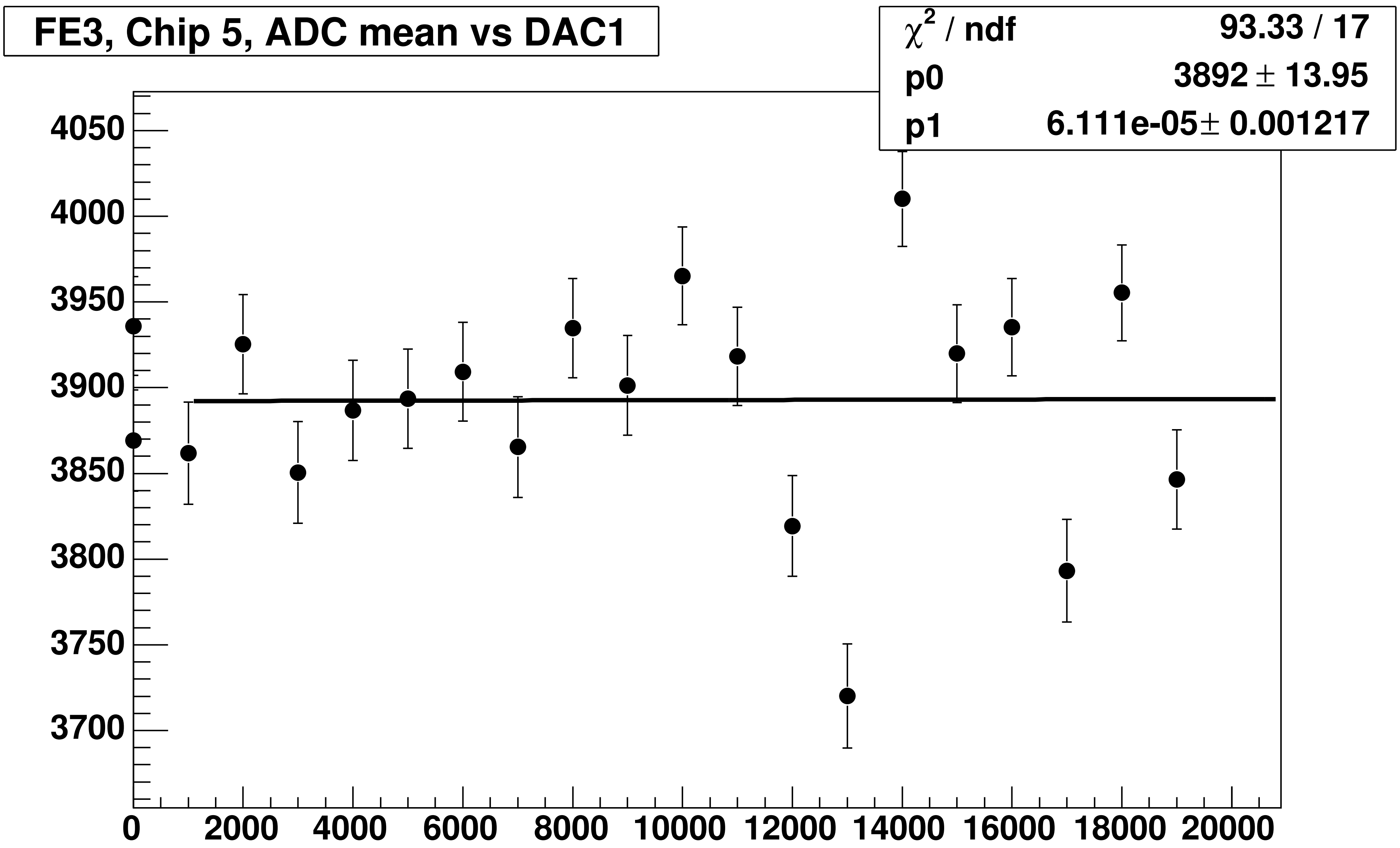

FE3, Chip 4, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



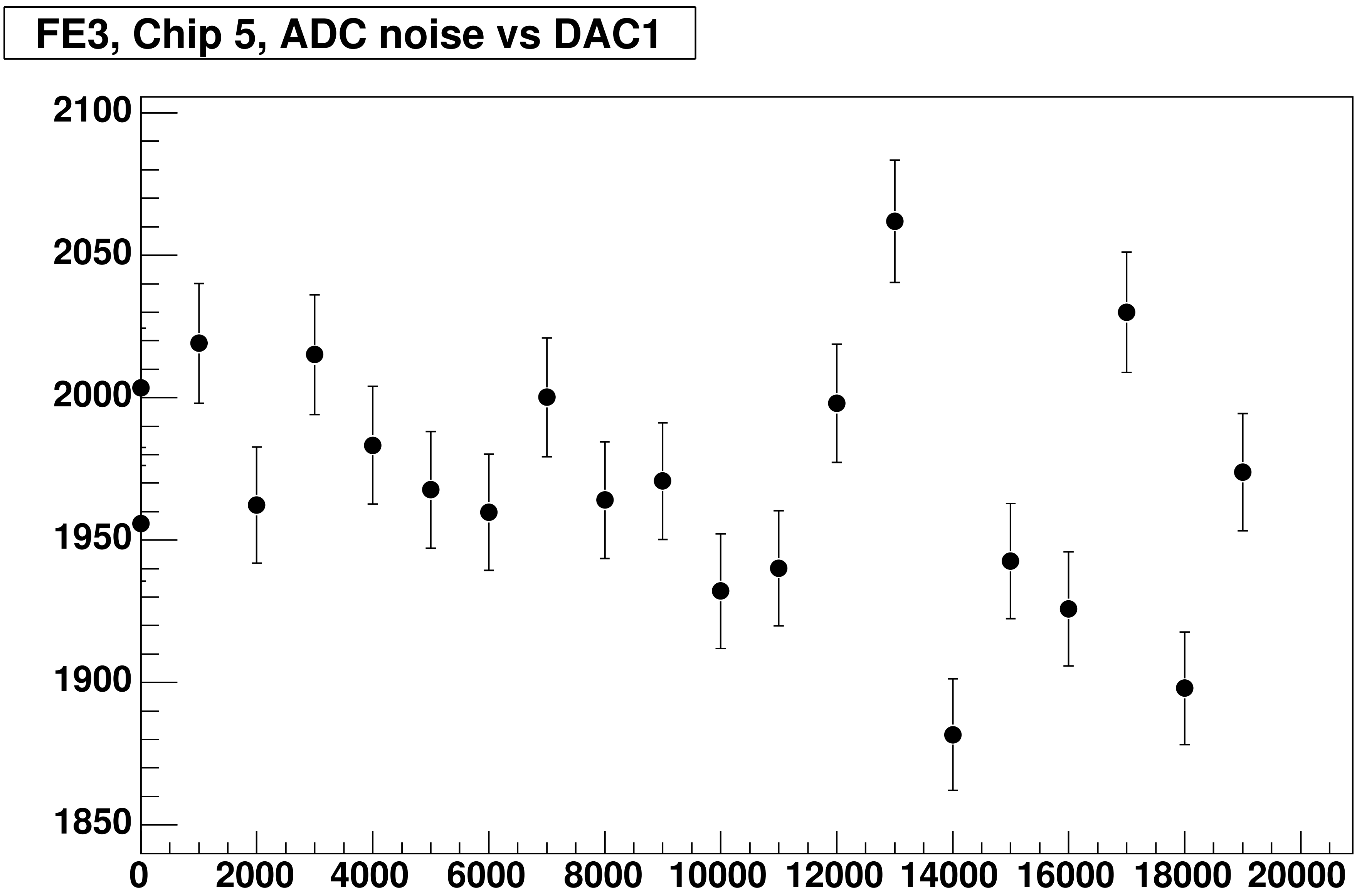
FE3, Chip 5, ADC mean vs DAC0
χ^2 / ndf 2.757e+10 / 17
p0 -292.9 ± 0.03253
p1 0.6235 ± 2.276e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 5, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

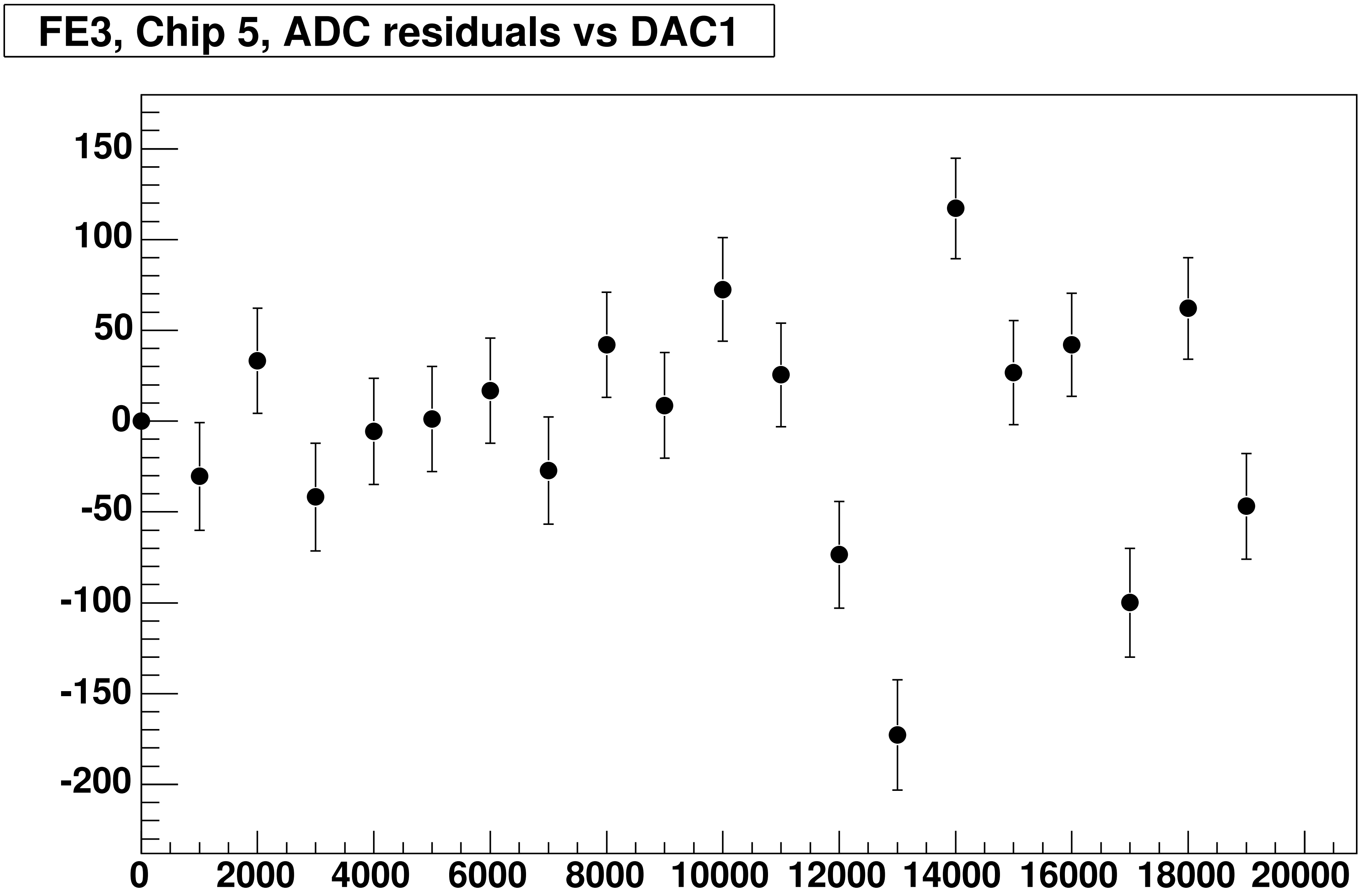

FE3, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

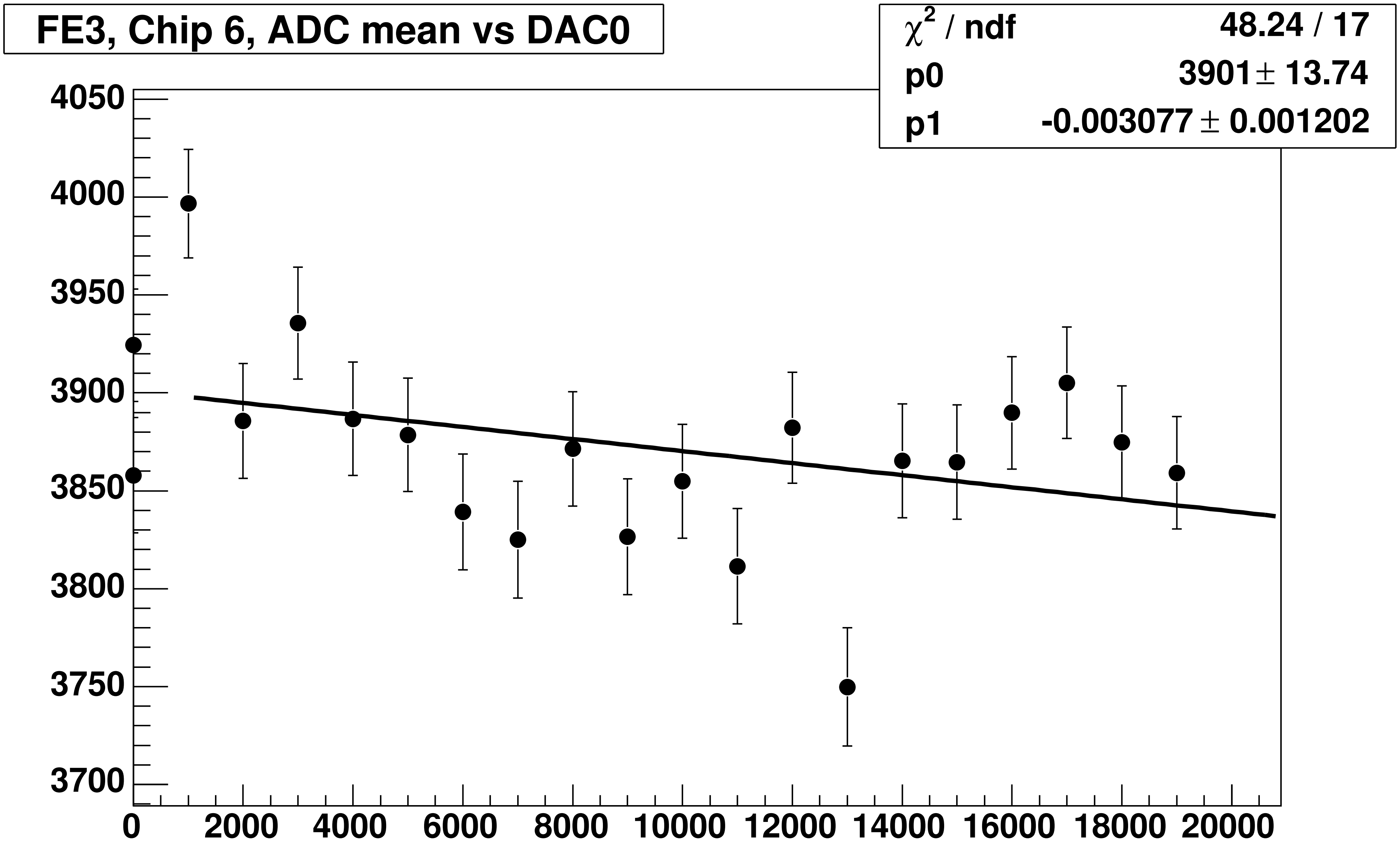


FE3, Chip 5, ADC mean vs DAC1
χ^2 / ndf 93.33 / 17
p0 3892 ± 13.95
p1 6.111e-05 ± 0.001217
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

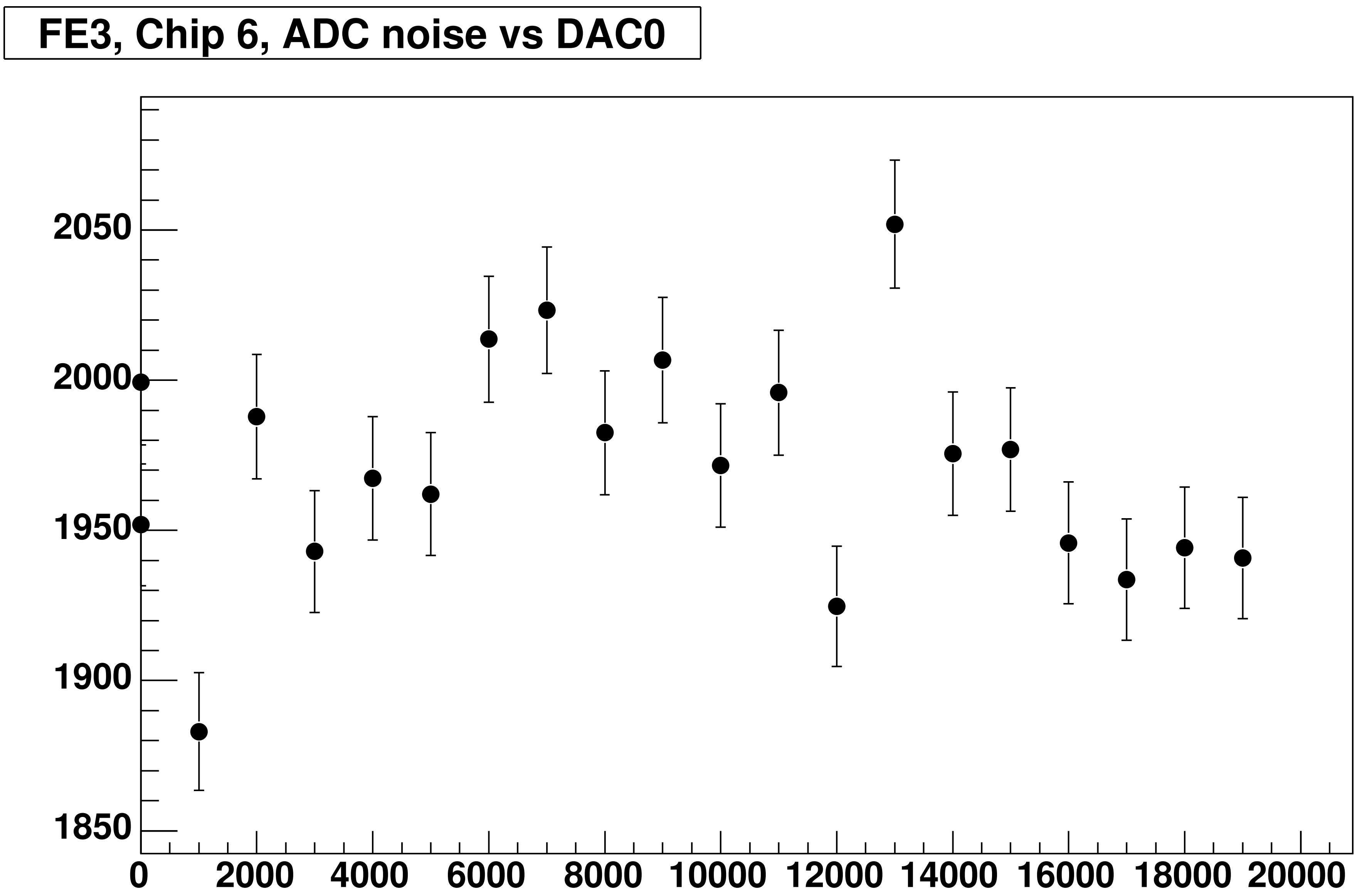


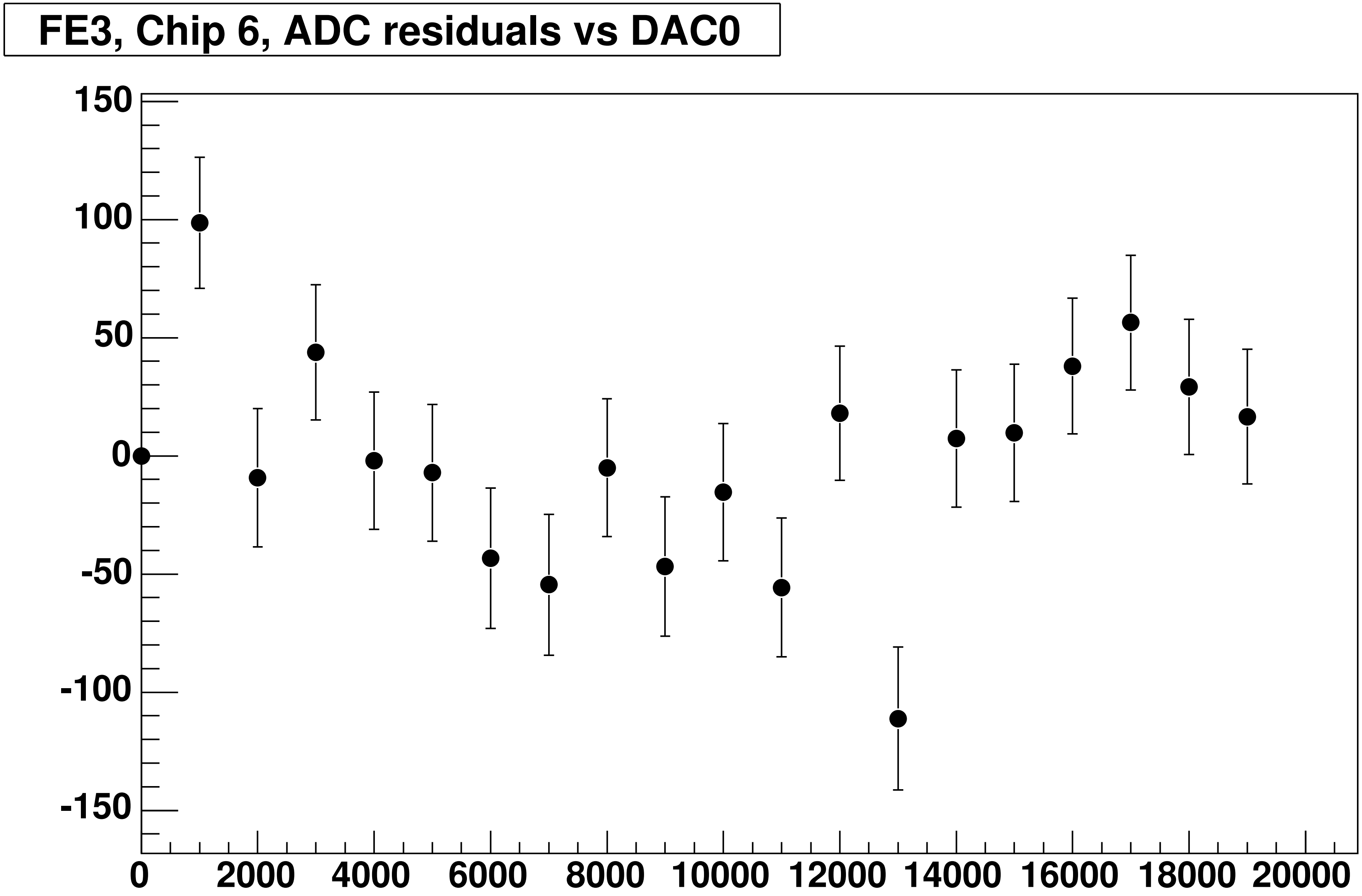
FE3, Chip 5, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 5, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

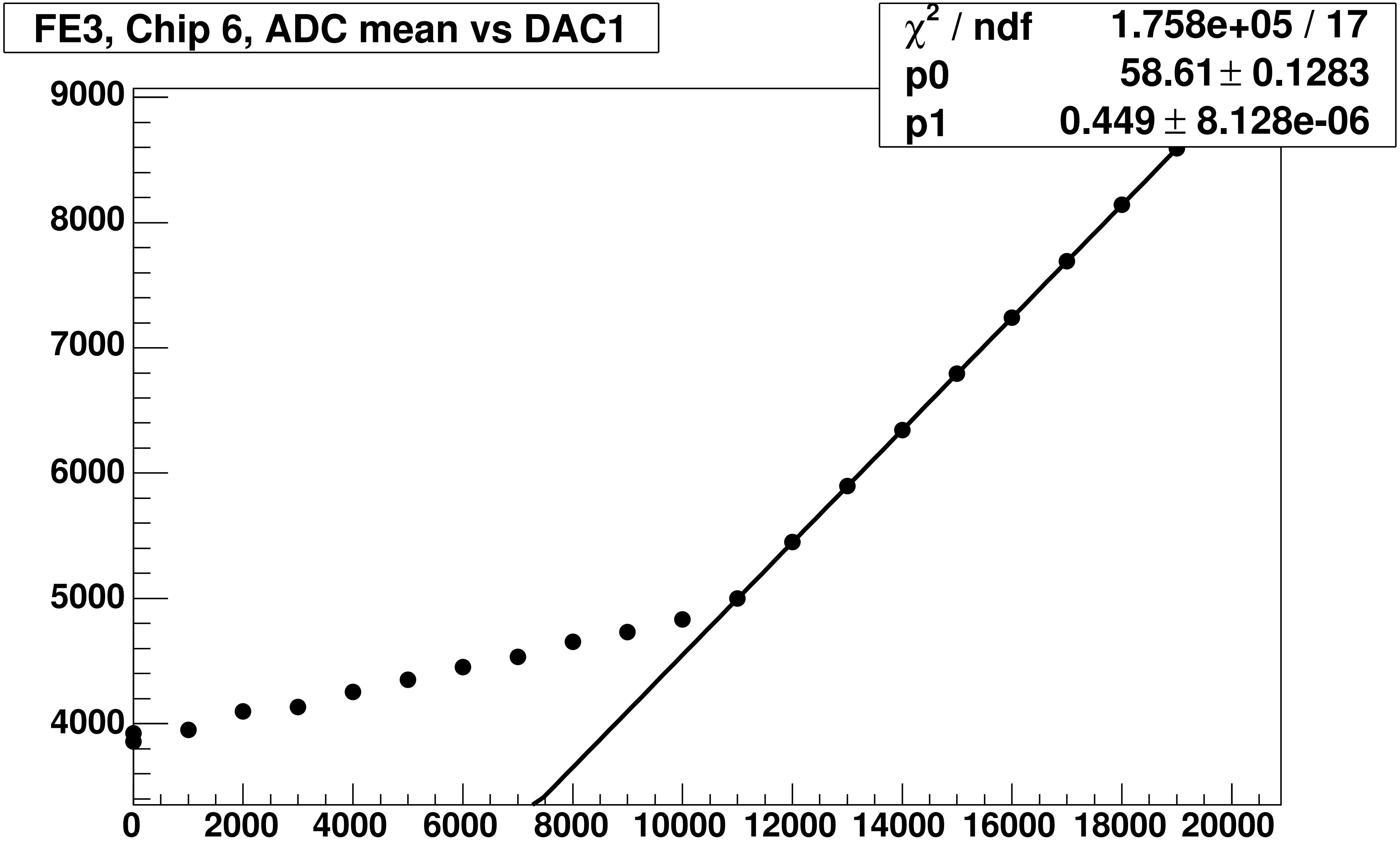


FE3, Chip 6, ADC mean vs DAC0
χ² / ndf 48.24 / 17
p0 3901 ± 13.74
p1 -0.003077 ± 0.001202
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

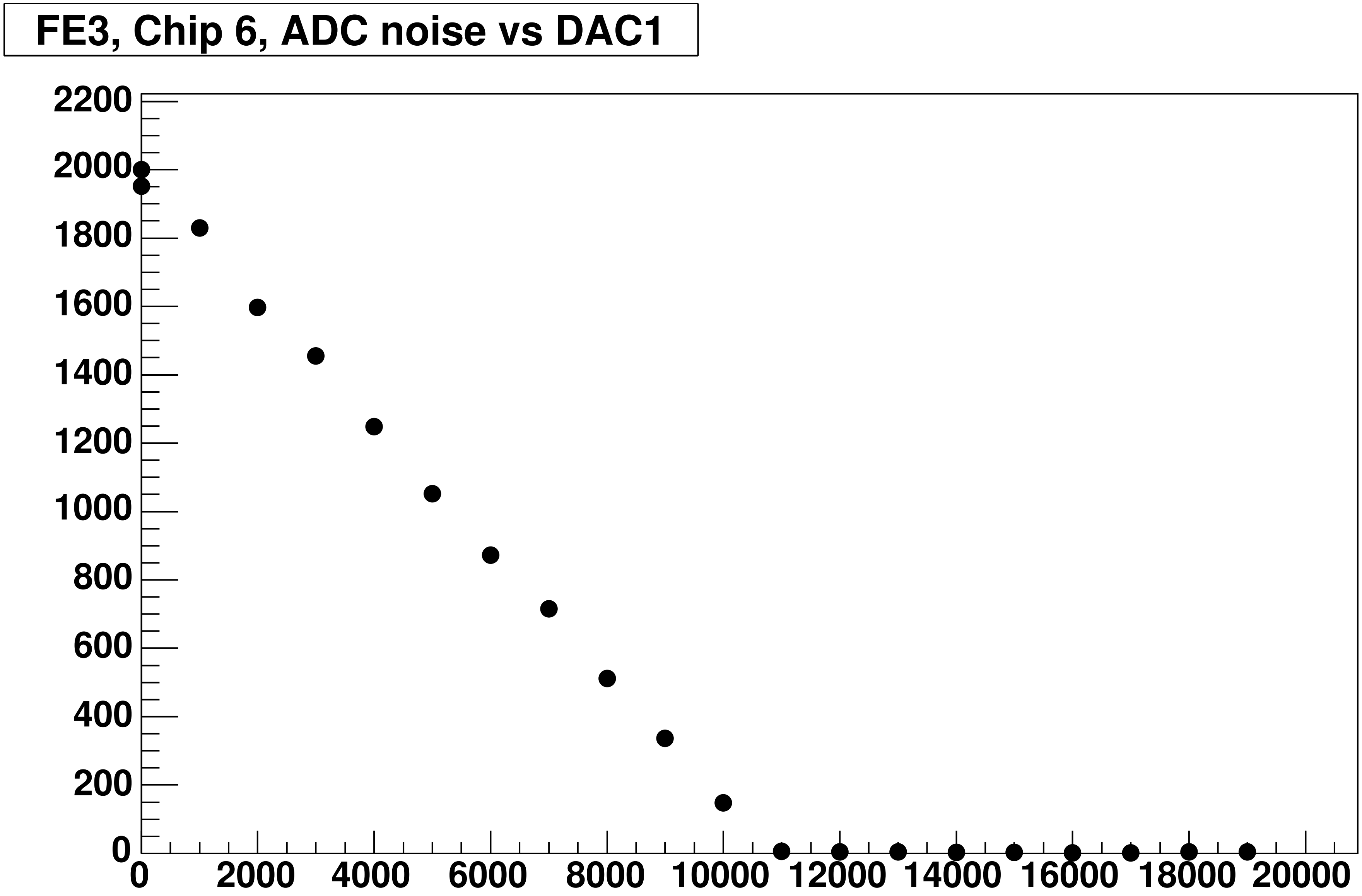

FE3, Chip 6, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

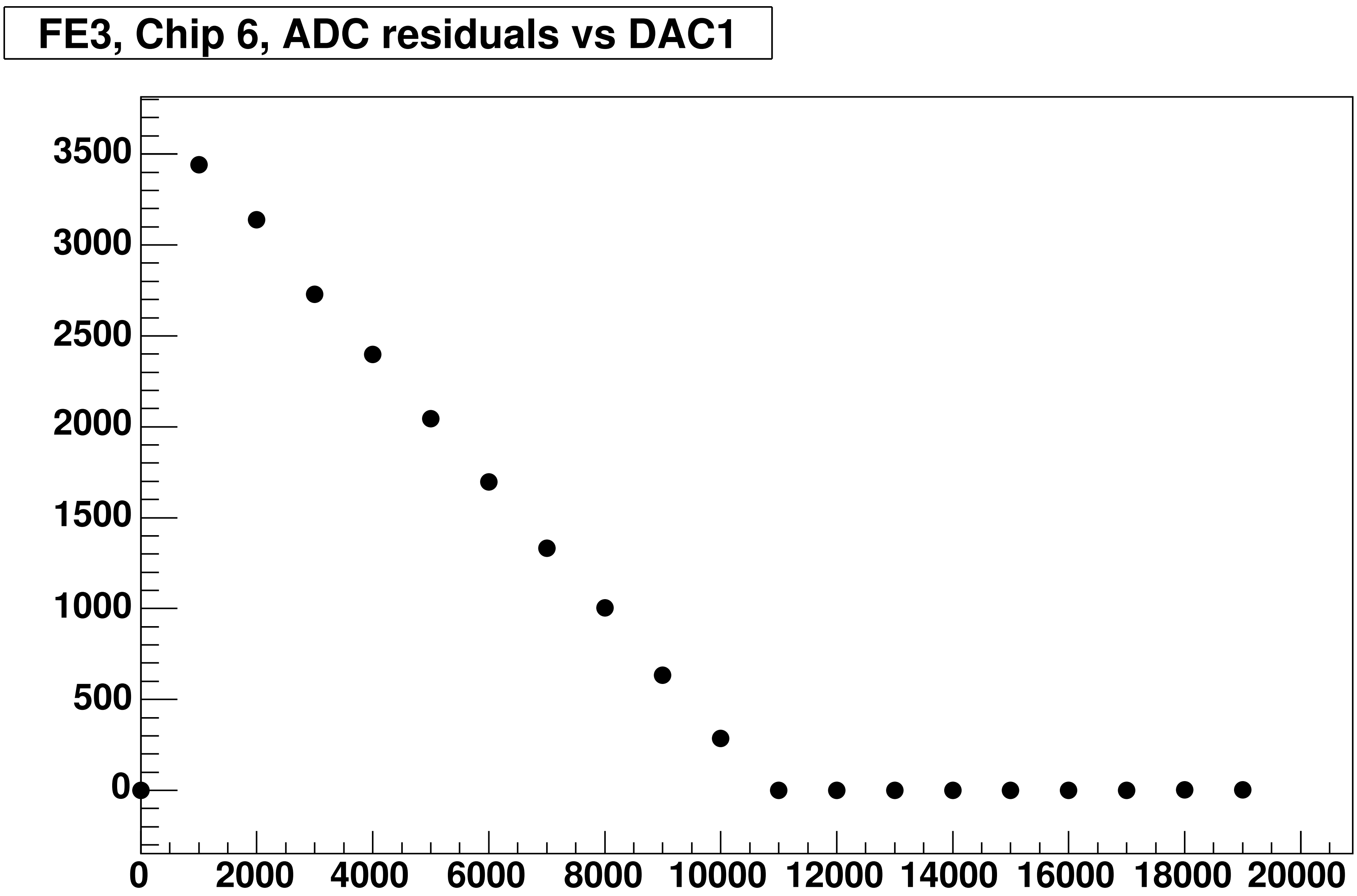


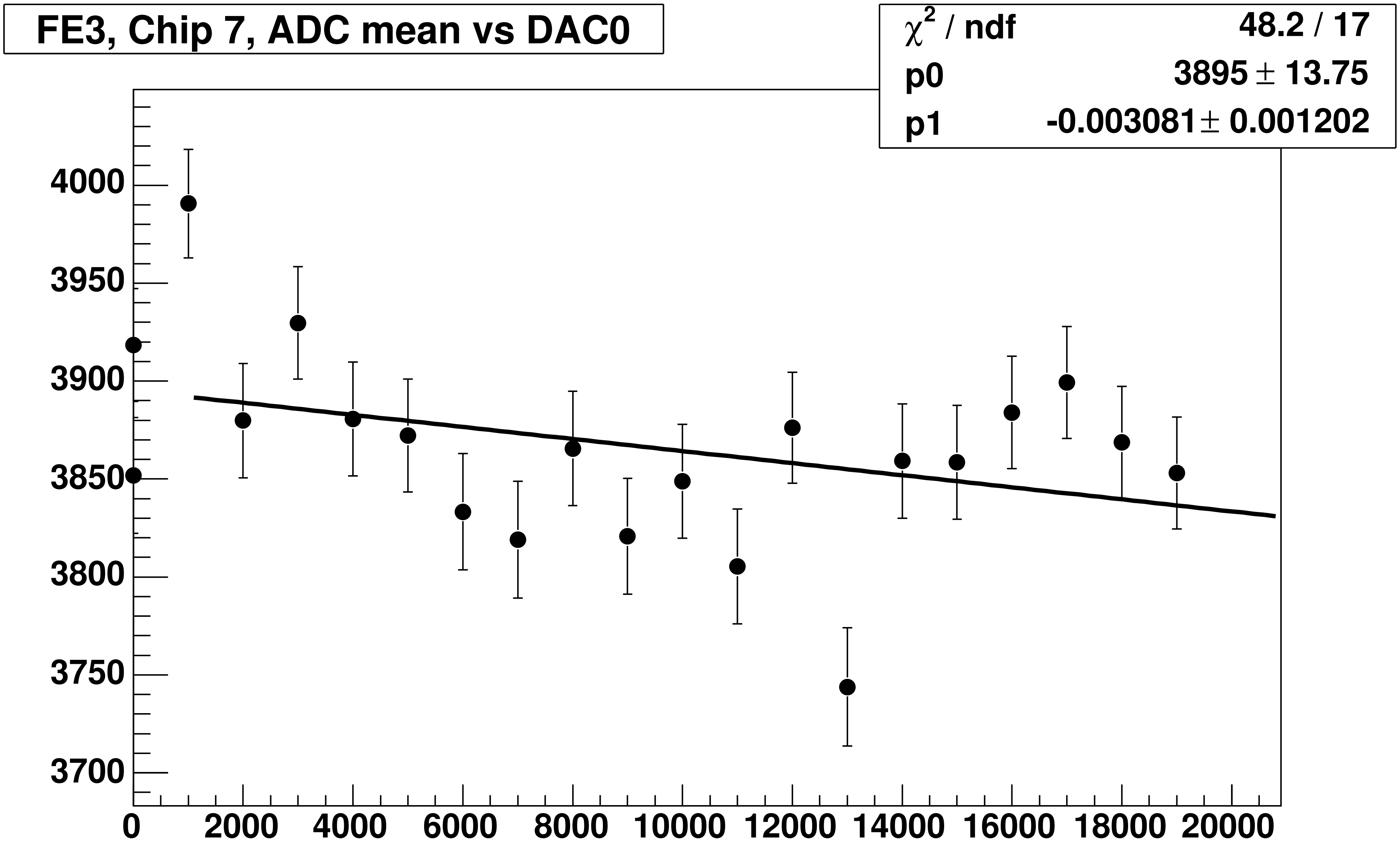
FE3, Chip 6, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

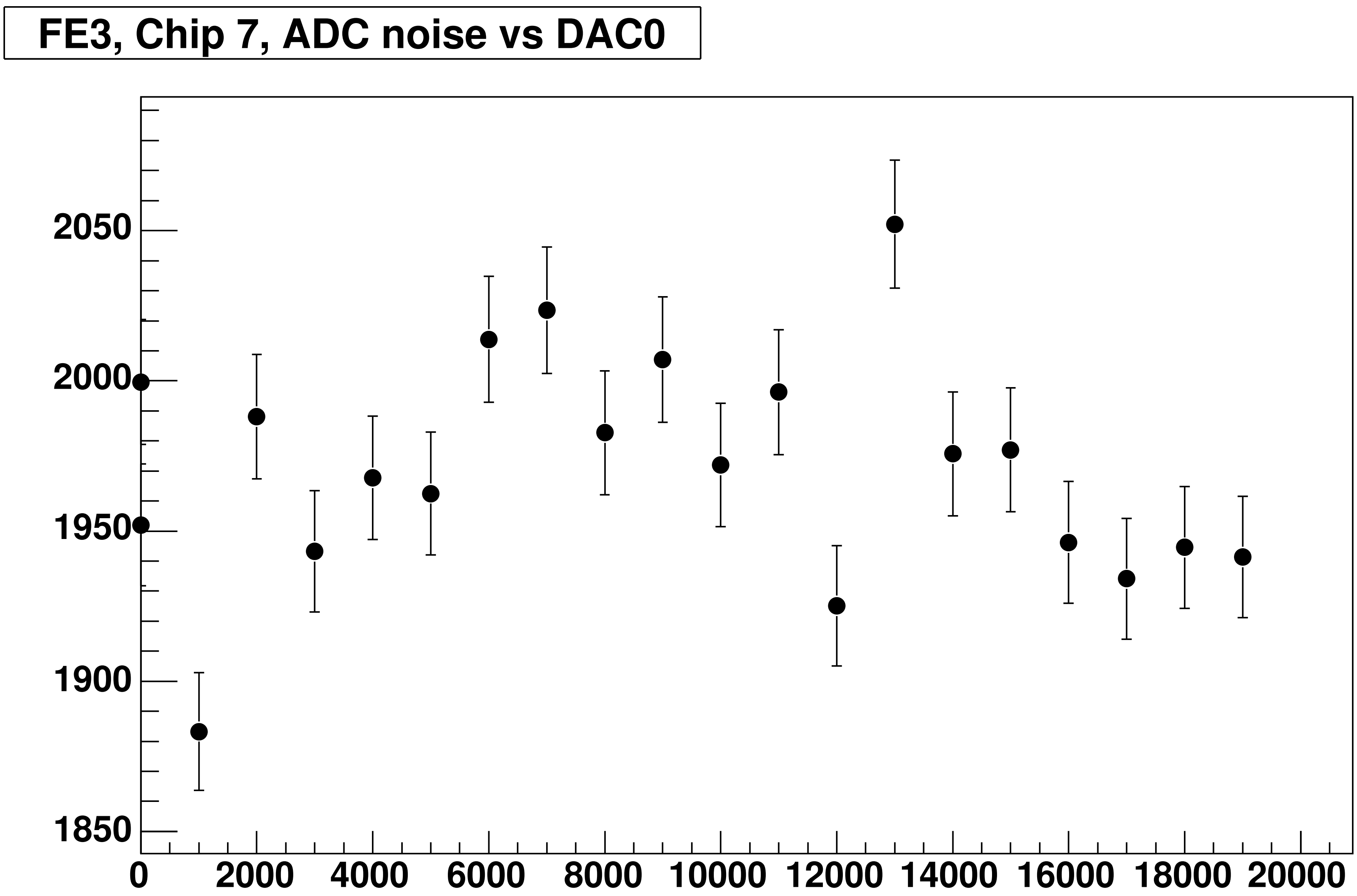


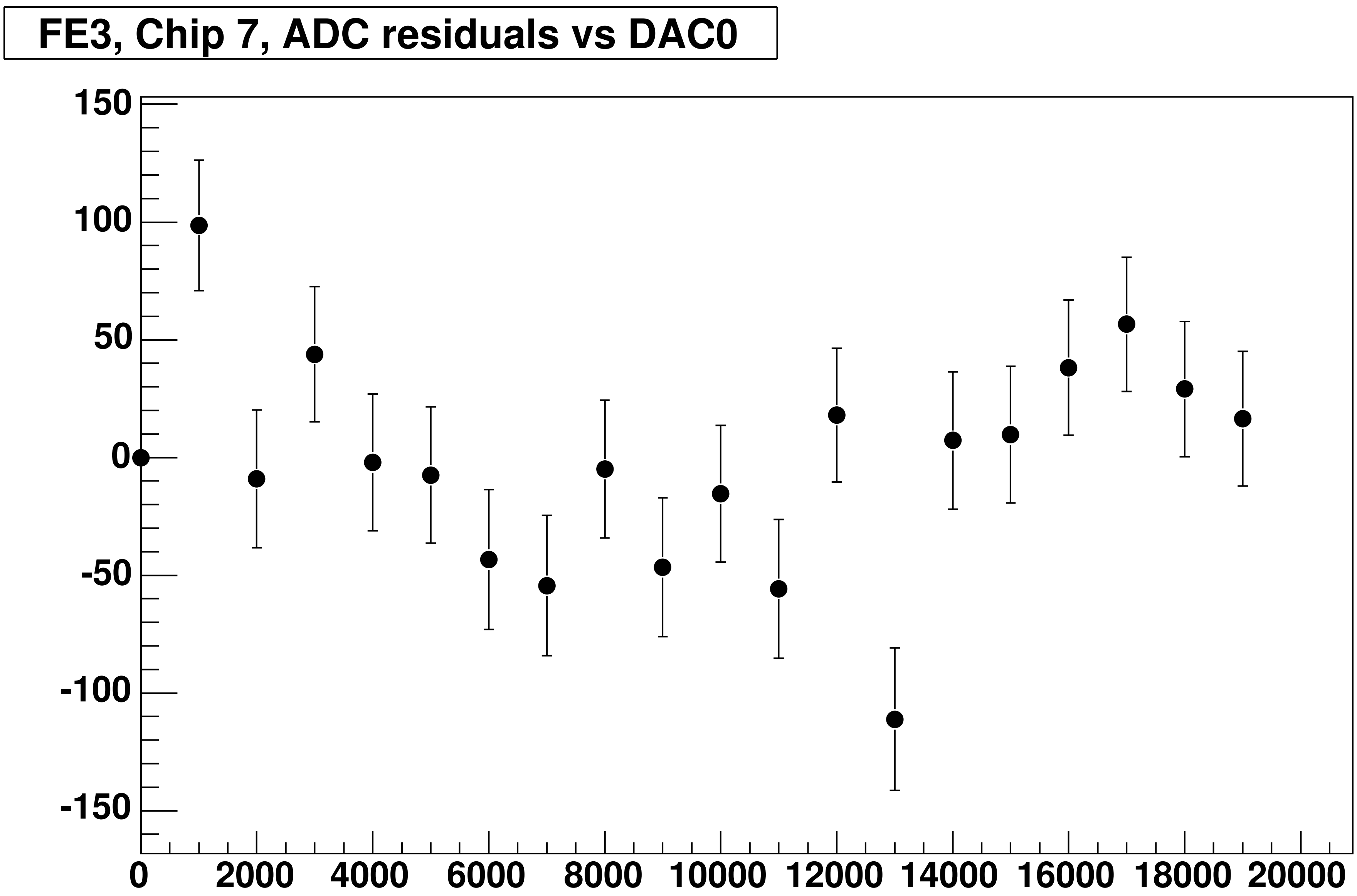
FE3, Chip 6, ADC mean vs DAC1
χ^2 / ndf 1.758e+05 / 17
p0 58.61 ± 0.1283
p1 0.449 ± 8.128e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

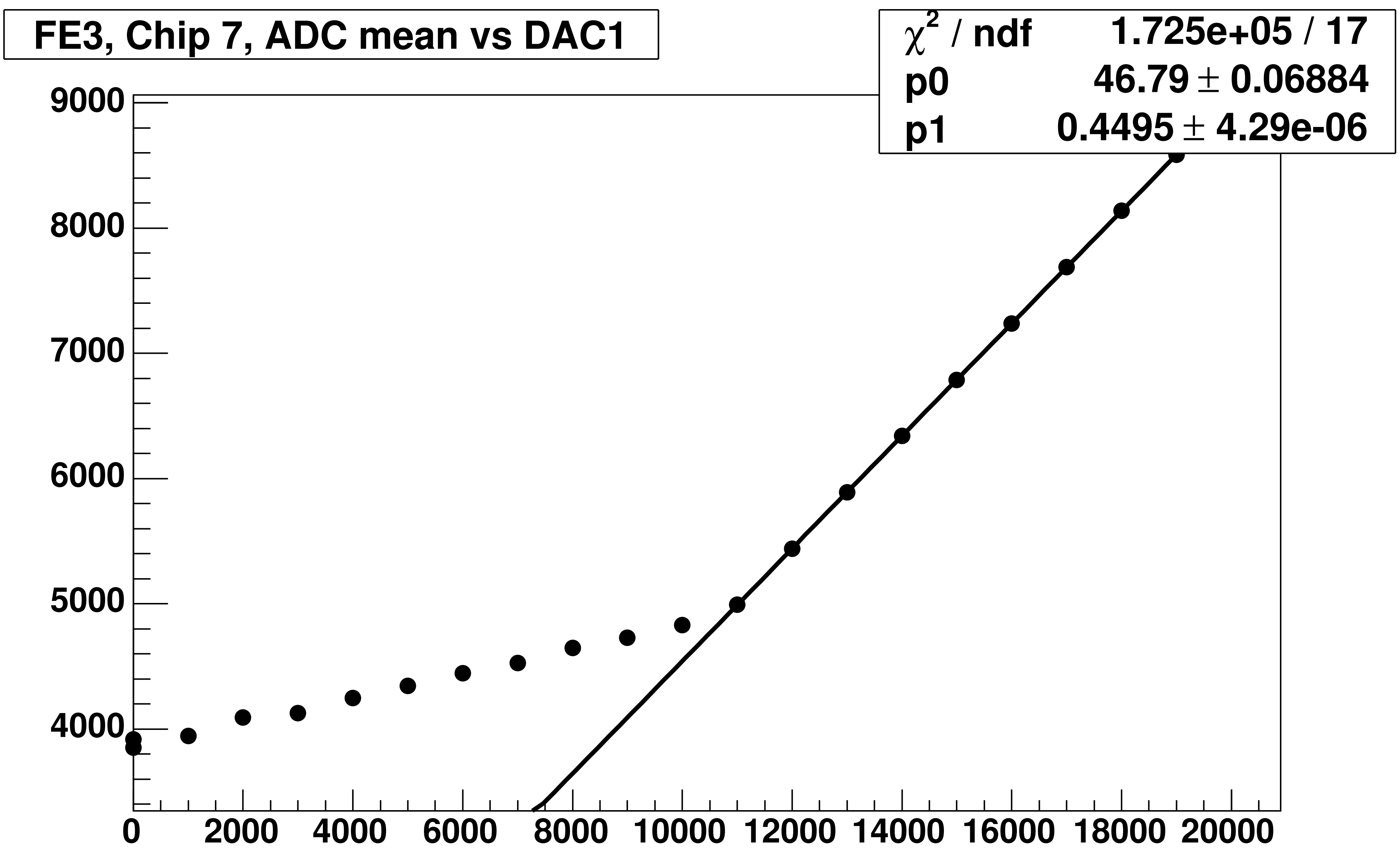

FE3, Chip 6, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 6, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

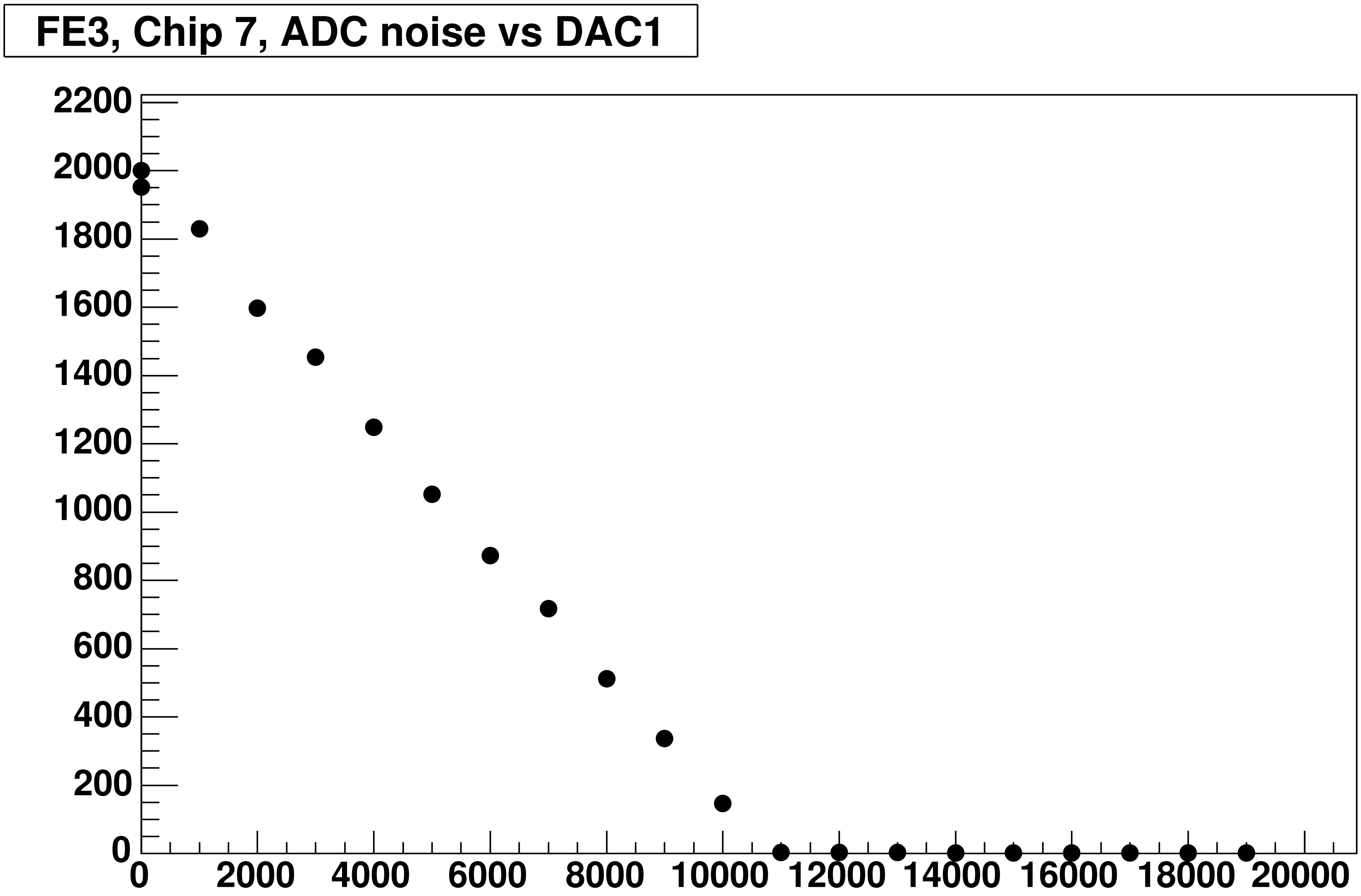

FE3, Chip 7, ADC mean vs DAC0
χ^2 / ndf 48.2 / 17
p0 3895 ± 13.75
p1 -0.003081 ± 0.001202
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

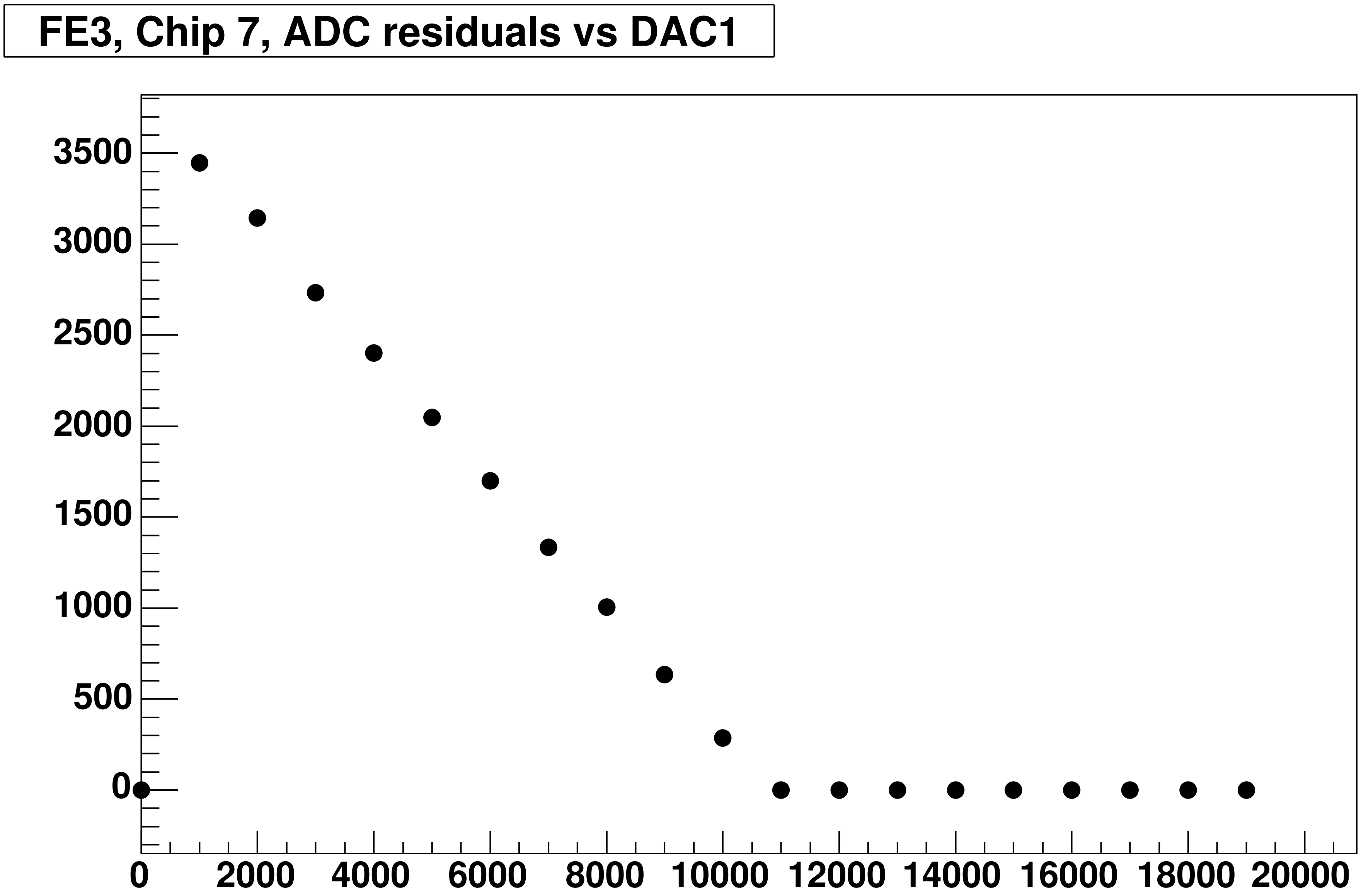

FE3, Chip 7, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

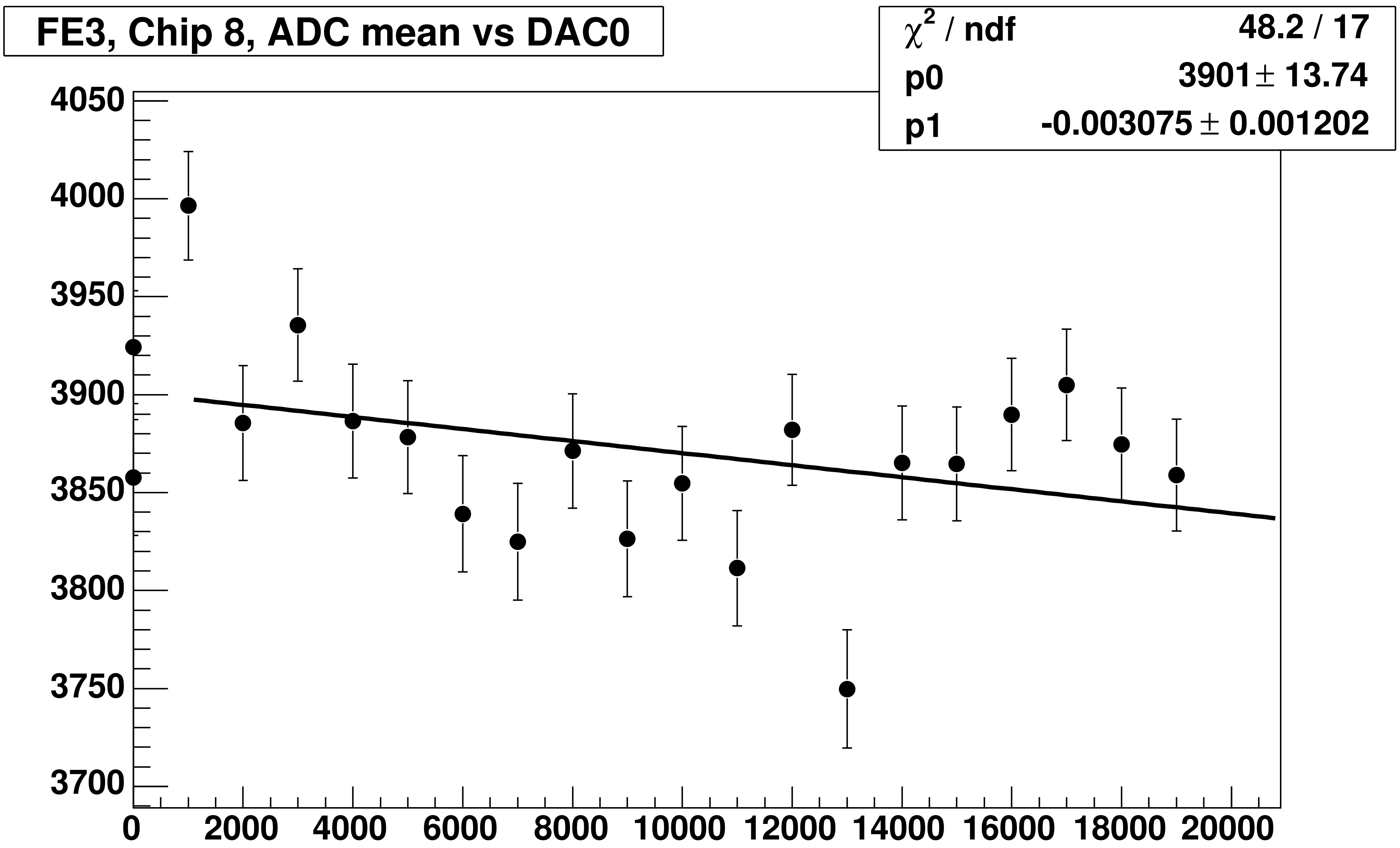

FE3, Chip 7, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



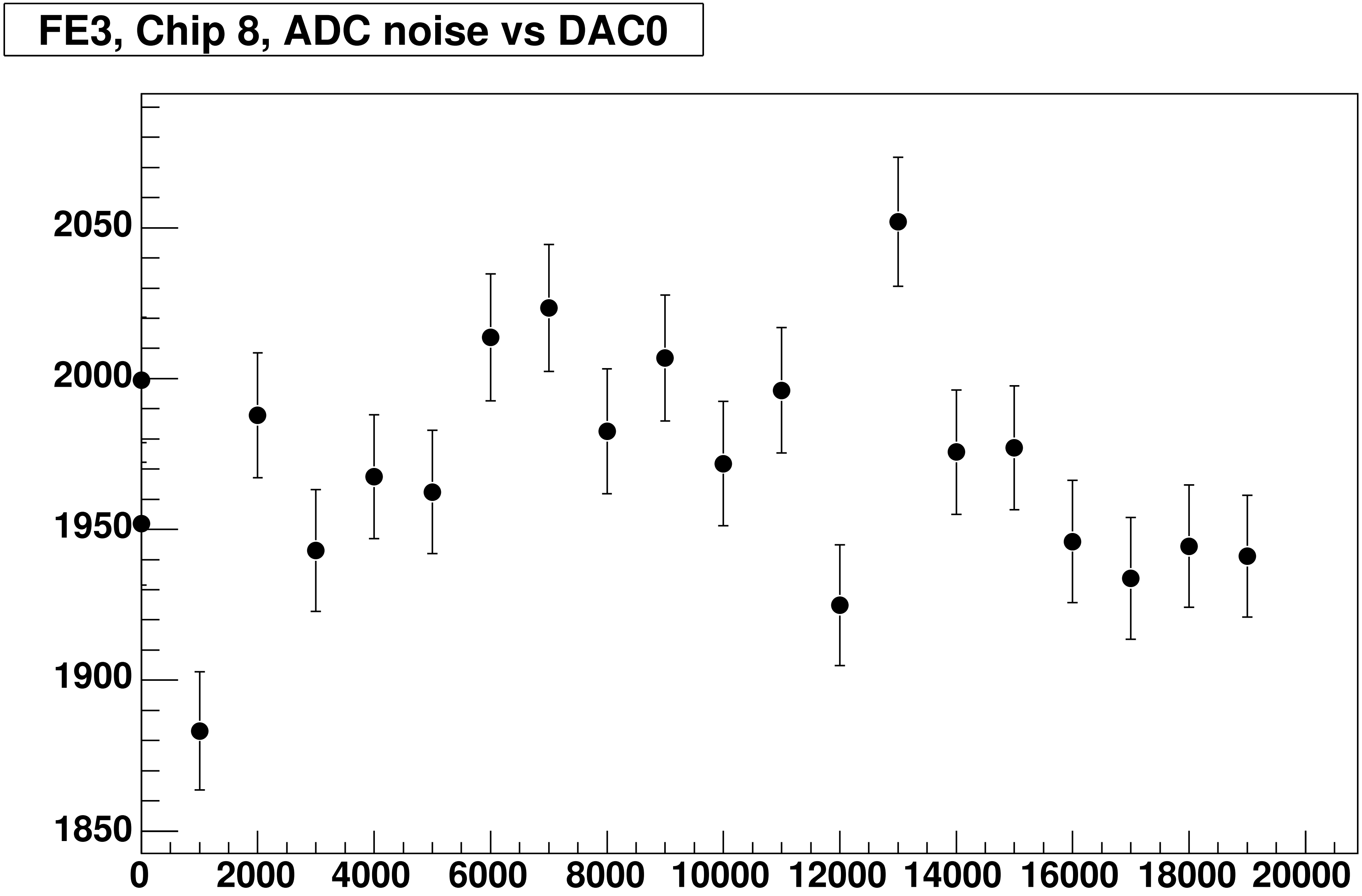
FE3, Chip 7, ADC mean vs DAC1
χ^2 / ndf 1.725e+05 / 17
p0 46.79 ± 0.06884
p1 0.4495 ± 4.29e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 7, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

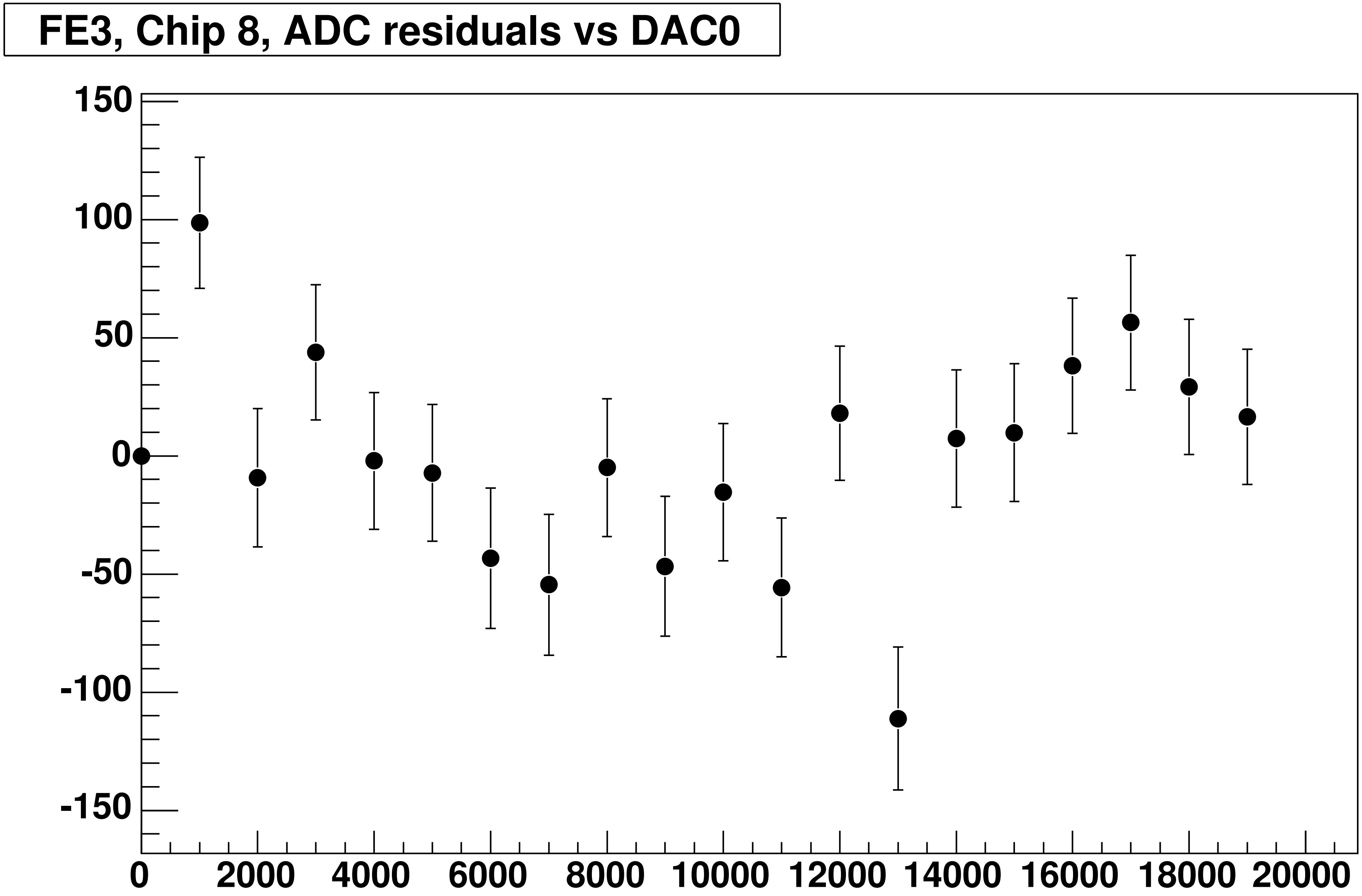

FE3, Chip 7, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

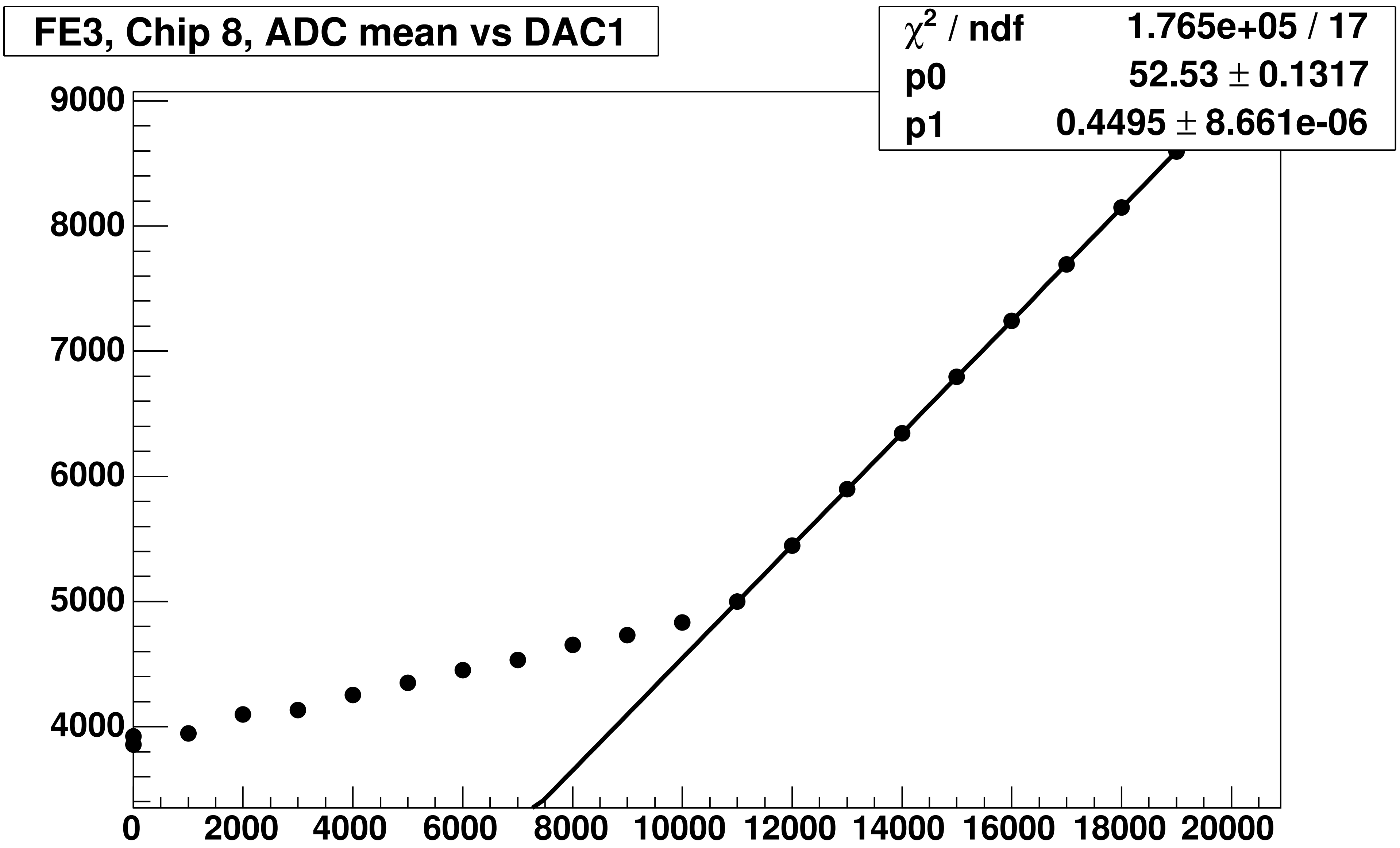


FE3, Chip 8, ADC mean vs DAC0
χ² / ndf 48.2 / 17
p0 3901 ± 13.74
p1 -0.003075 ± 0.001202
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

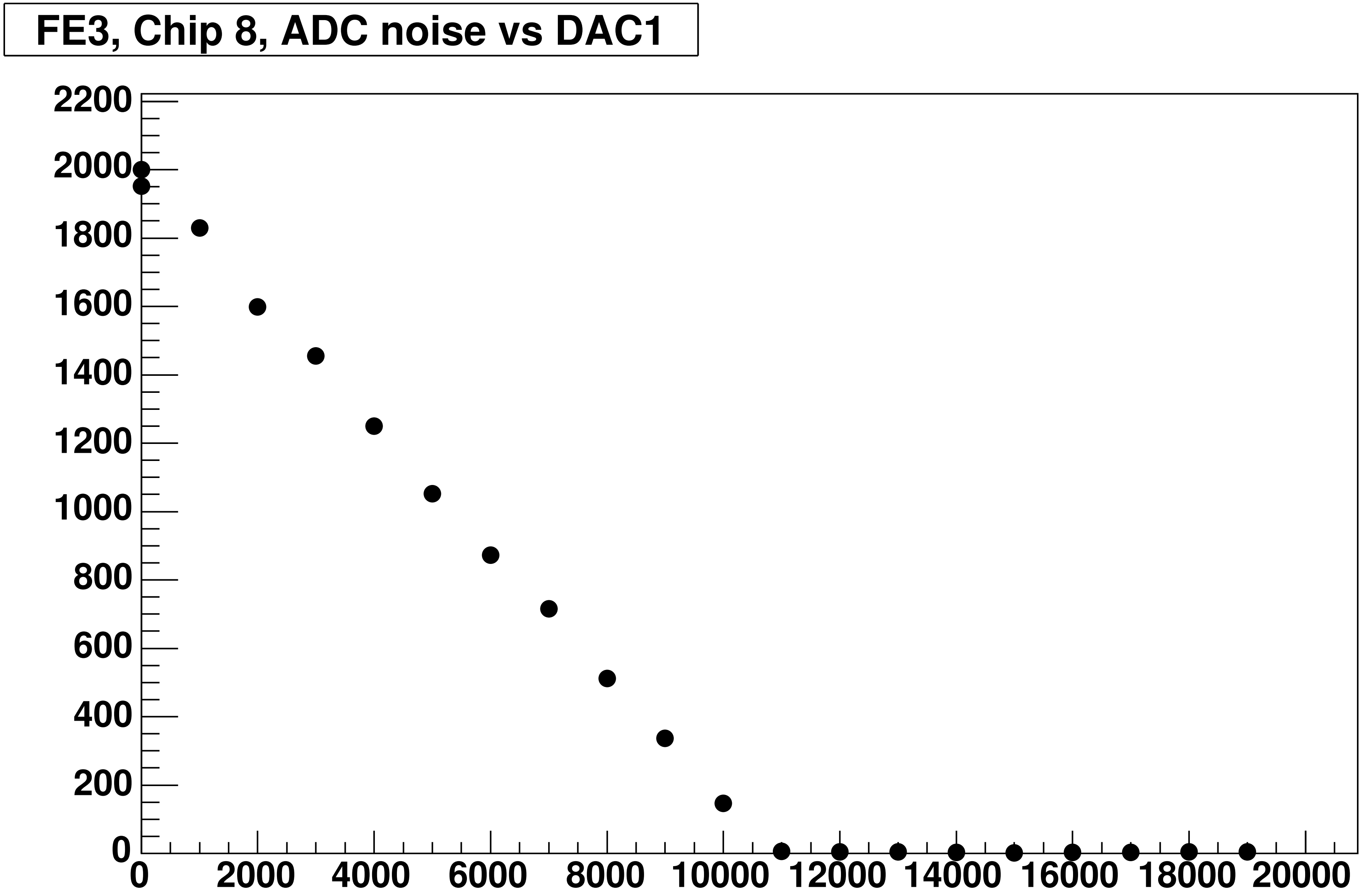


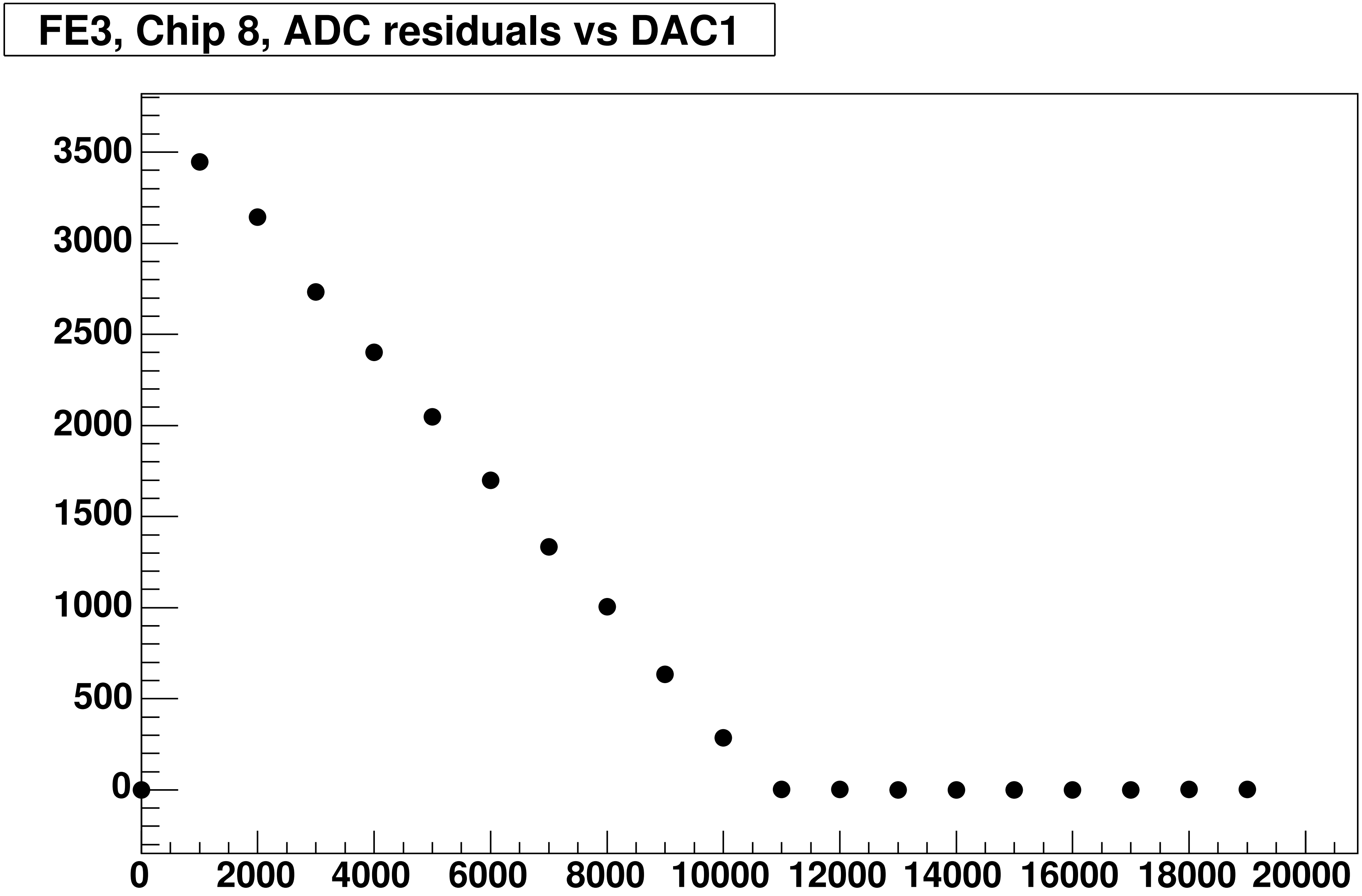
FE3, Chip 8, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

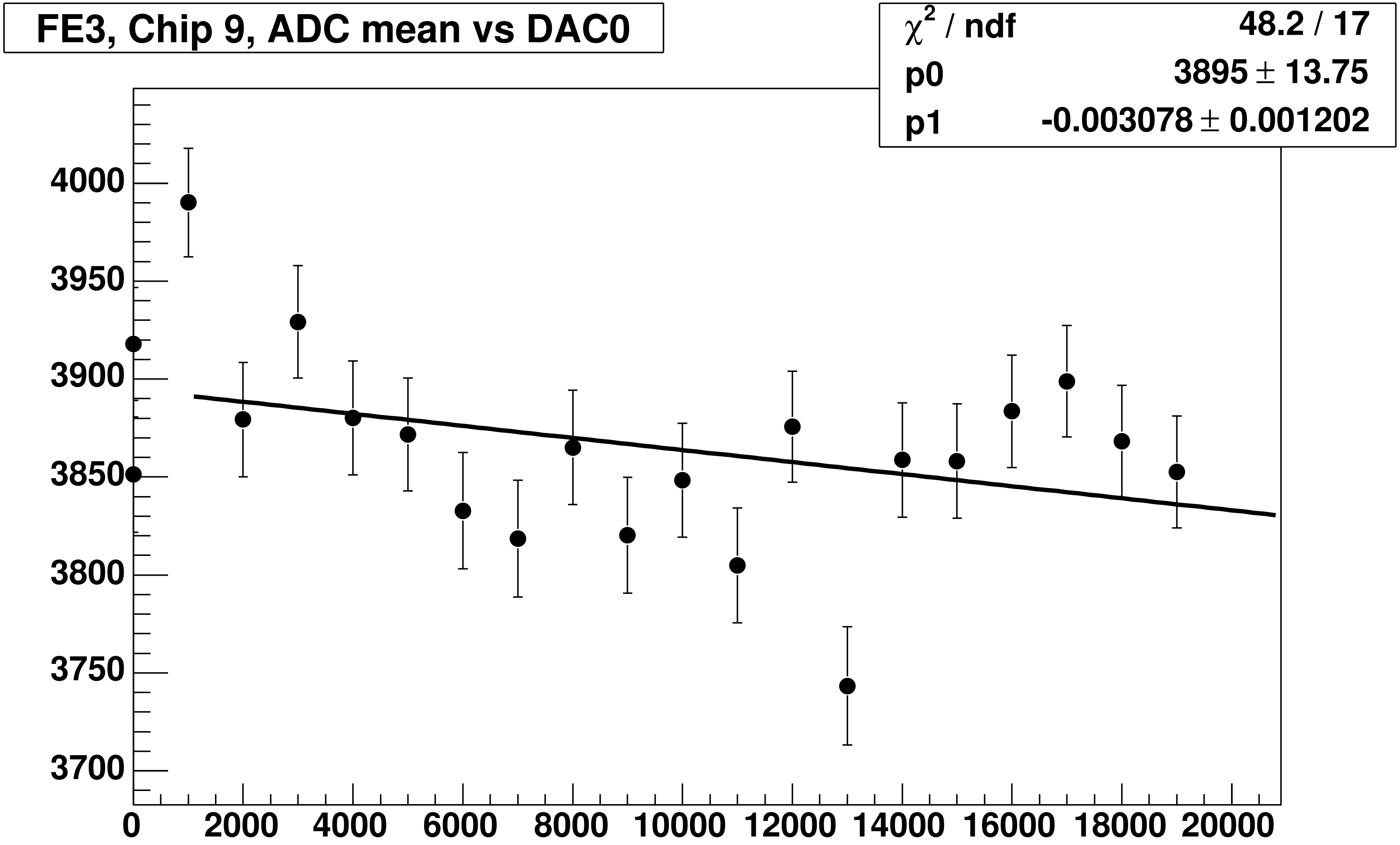

FE3, Chip 8, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



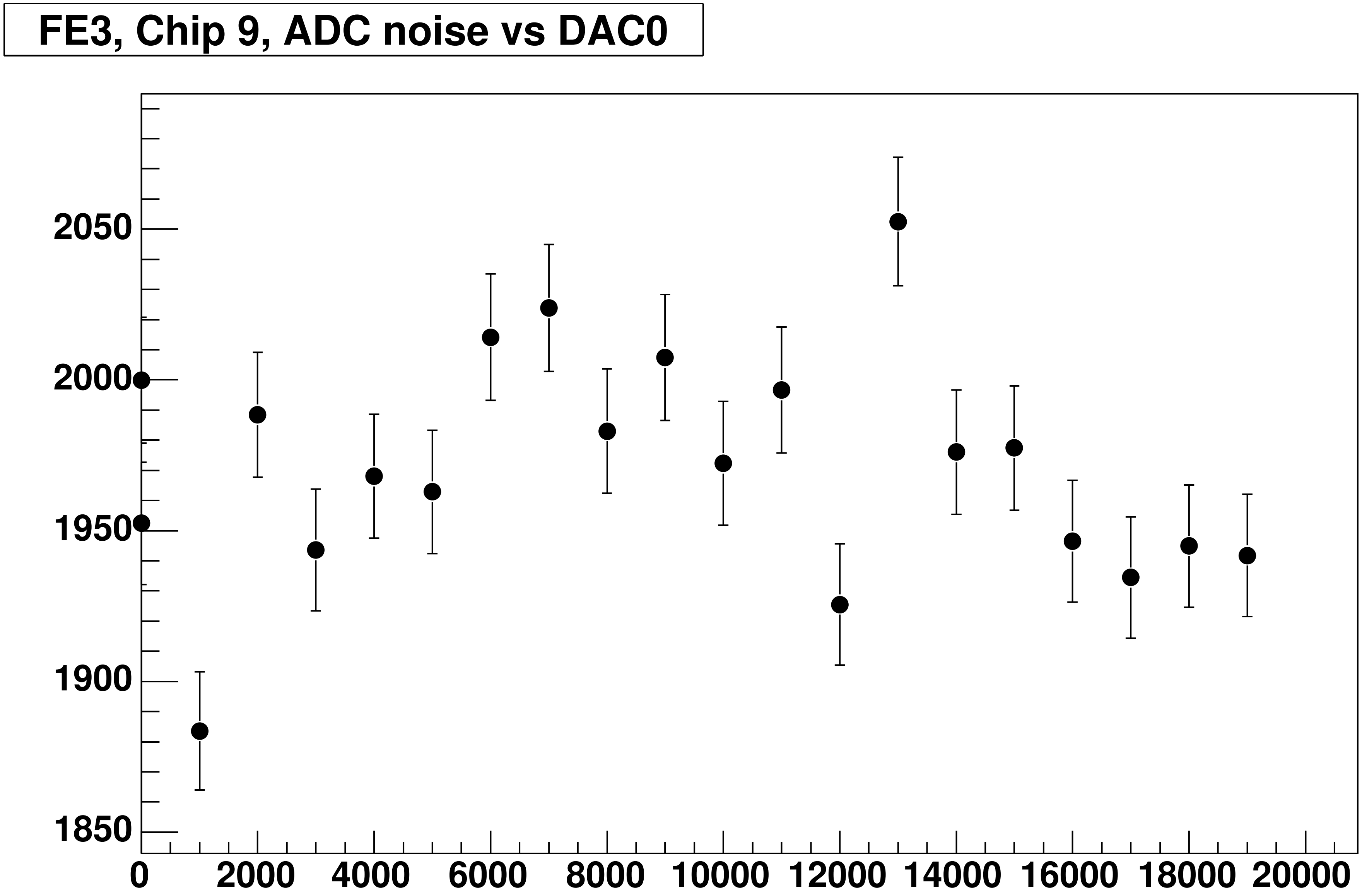
FE3, Chip 8, ADC mean vs DAC1
χ2 / ndf 1.765e+05 / 17
p0 52.53 ± 0.1317
p1 0.4495 ± 8.661e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 8, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

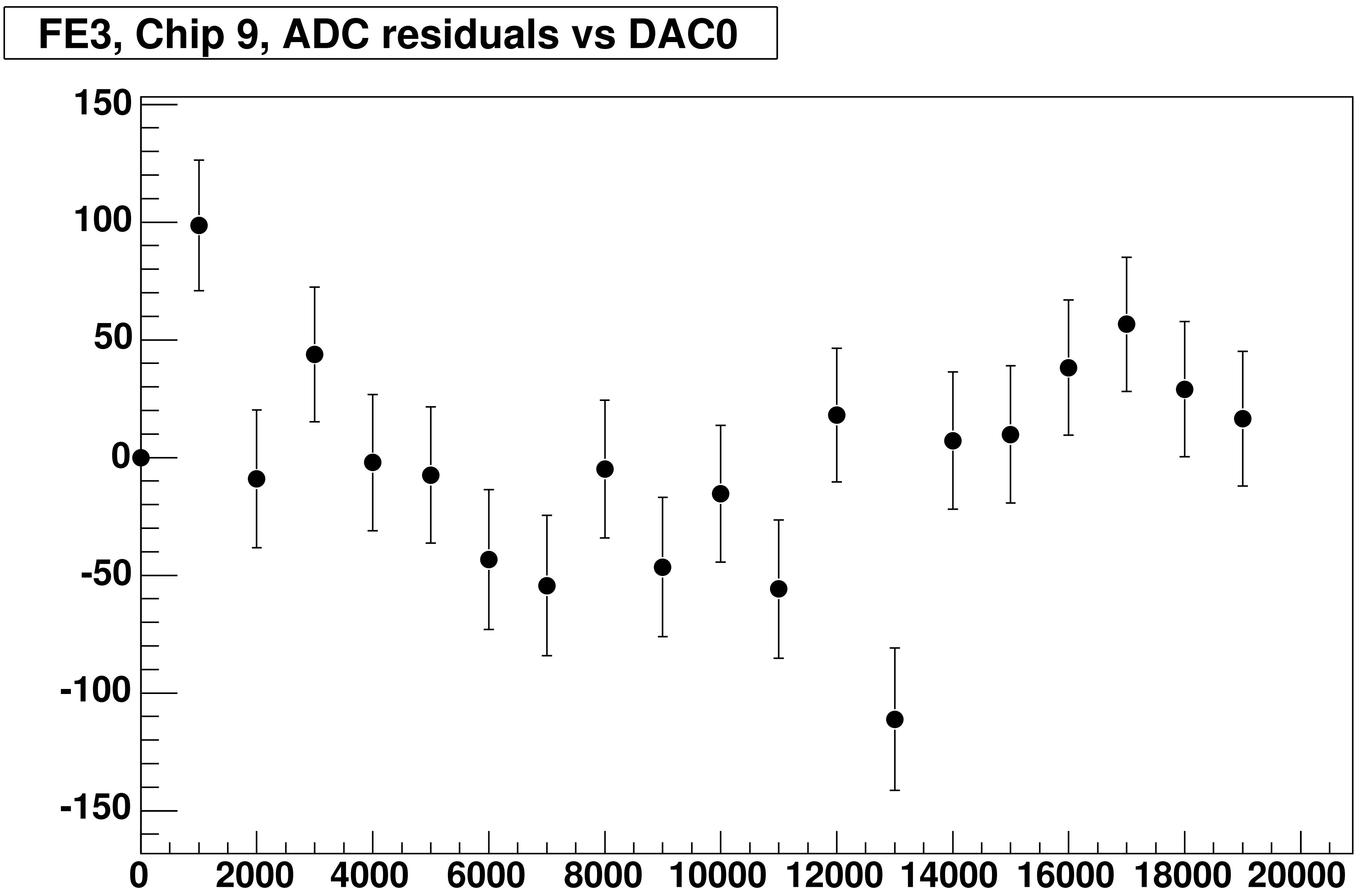

FE3, Chip 8, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

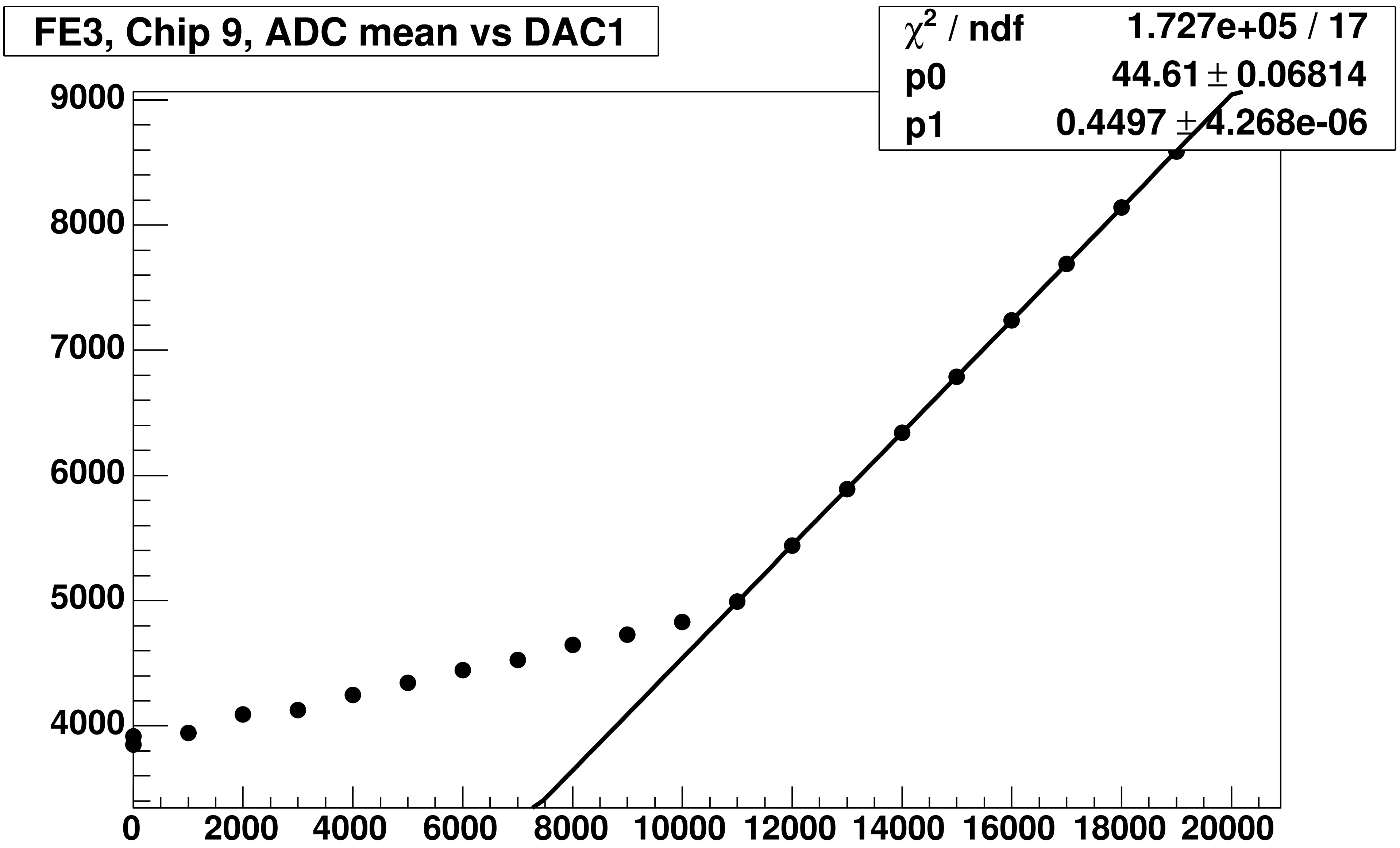


FE3, Chip 9, ADC mean vs DAC0
χ^2 / ndf 48.2 / 17
p0 3895 ± 13.75
p1 -0.003078 ± 0.001202
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

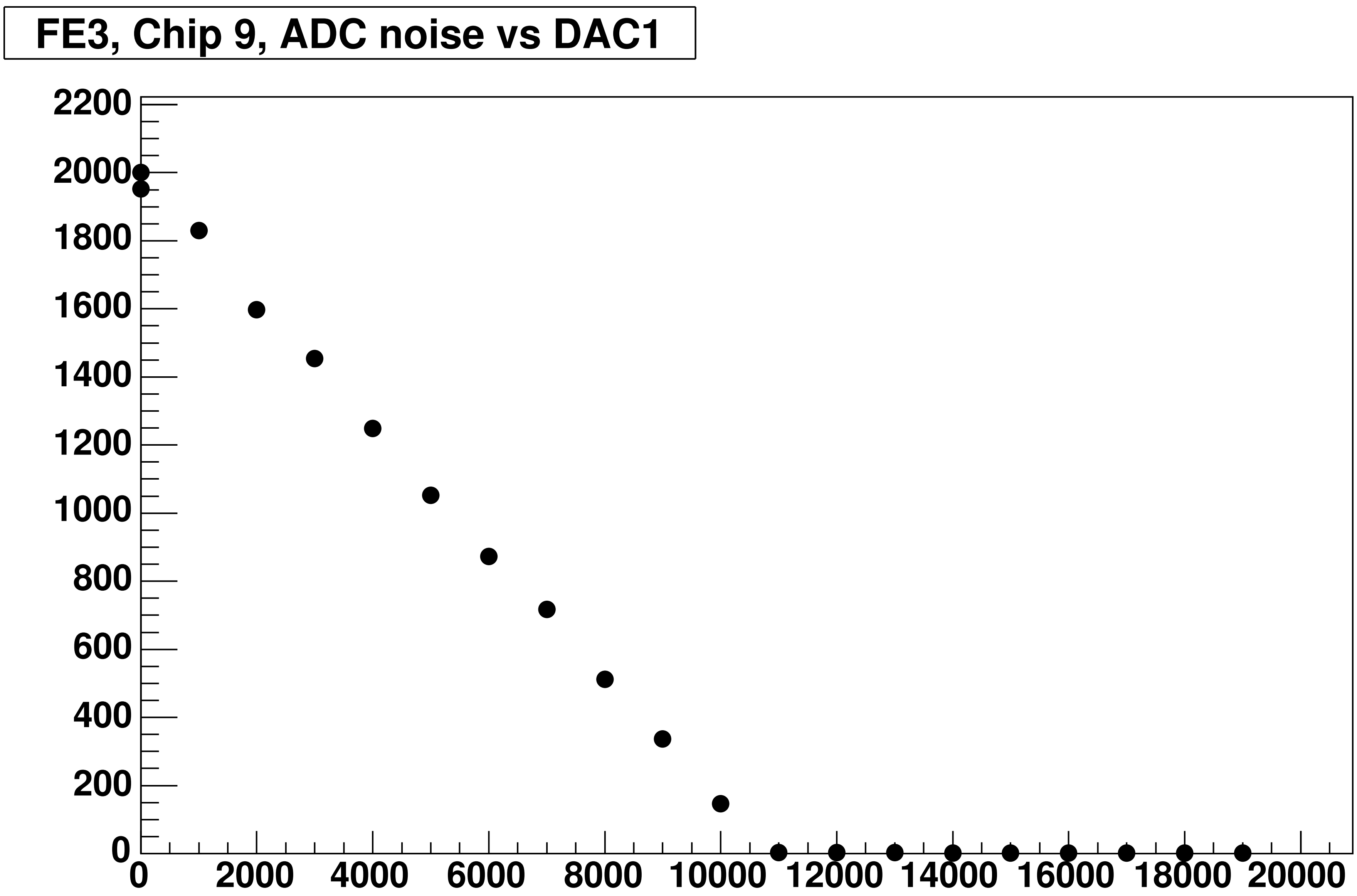


FE3, Chip 9, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

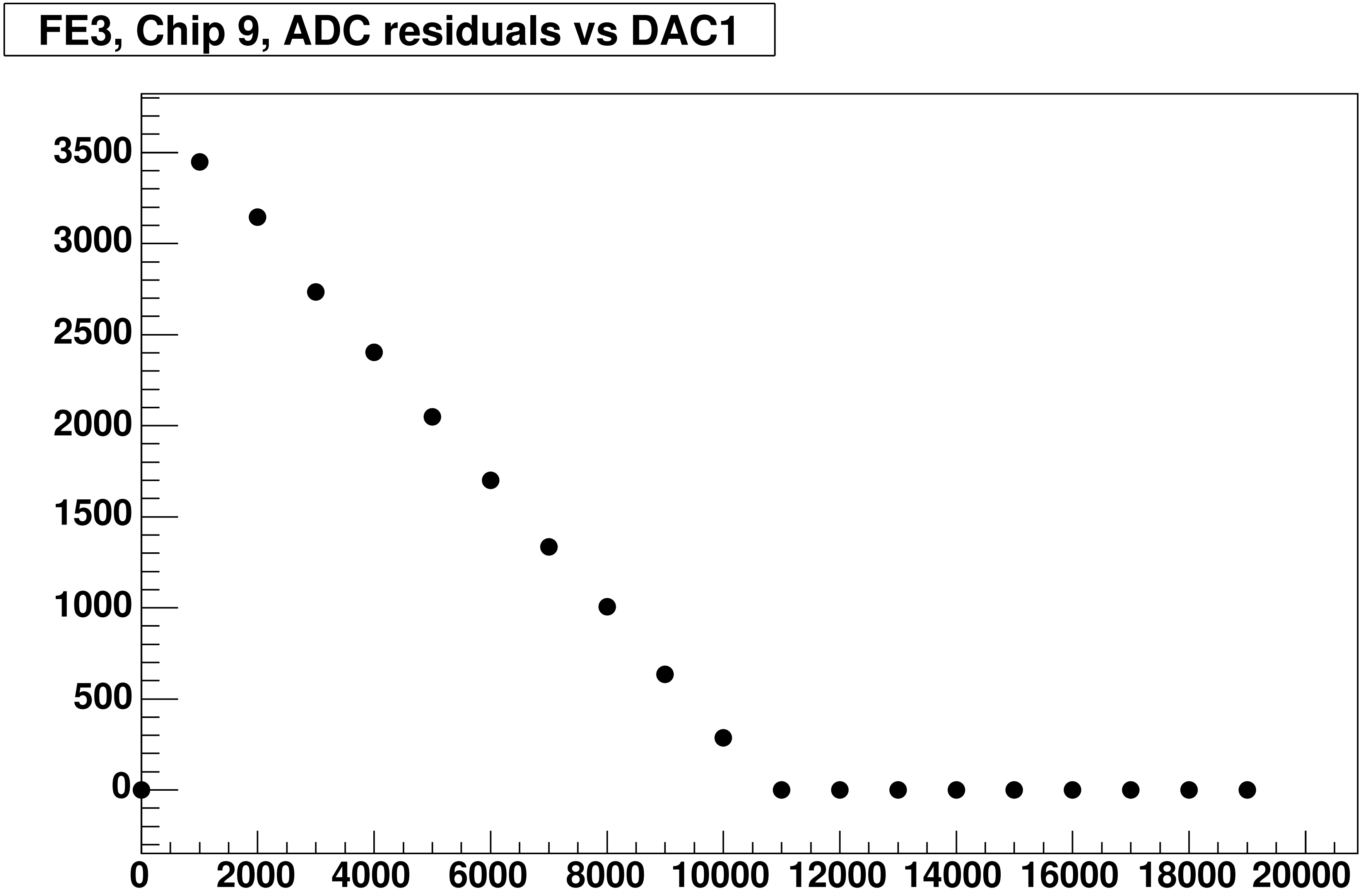

FE3, Chip 9, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

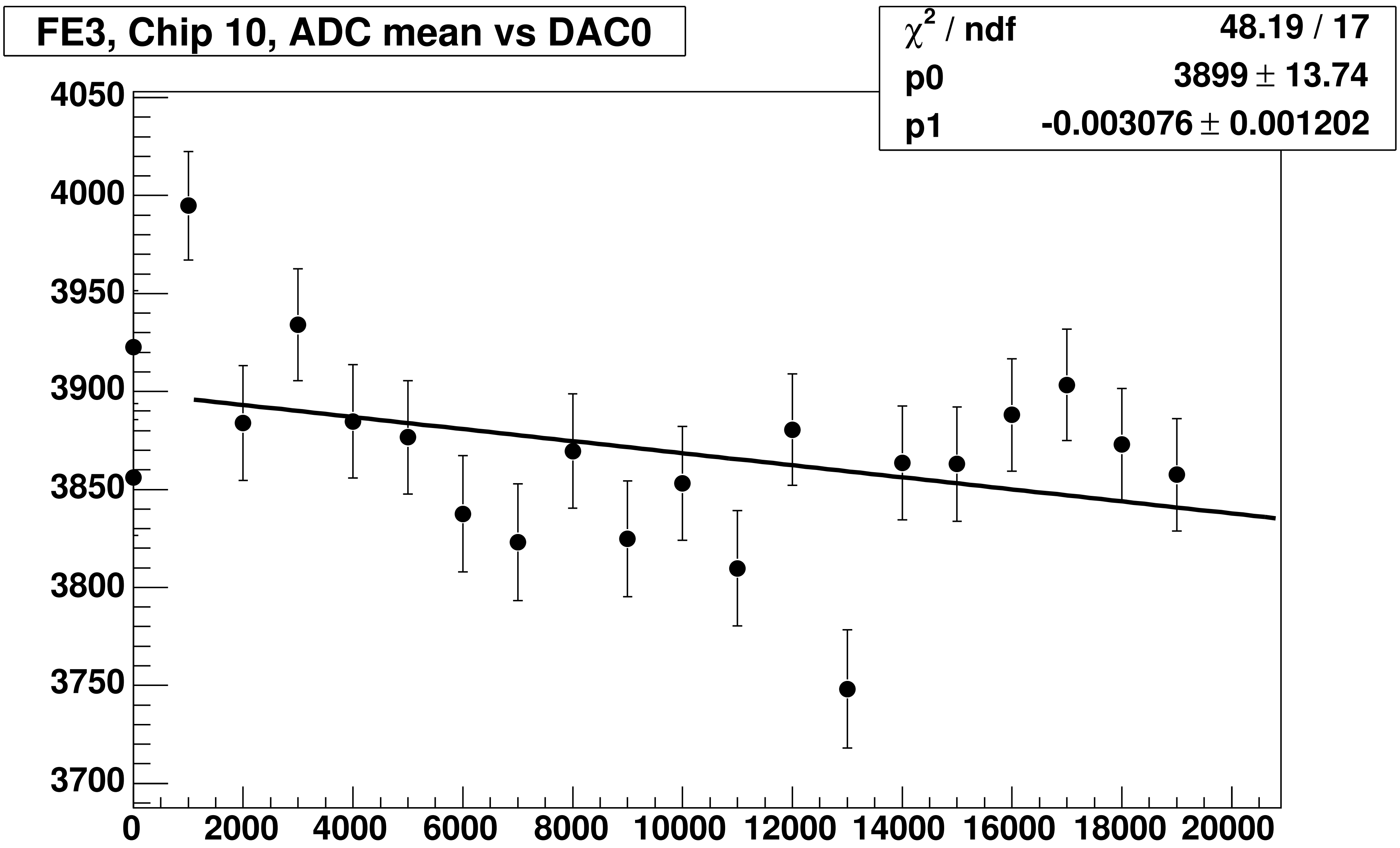


FE3, Chip 9, ADC mean vs DAC1
χ2 / ndf 1.727e+05 / 17
p0 44.61 ± 0.06814
p1 0.4497 ± 4.268e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

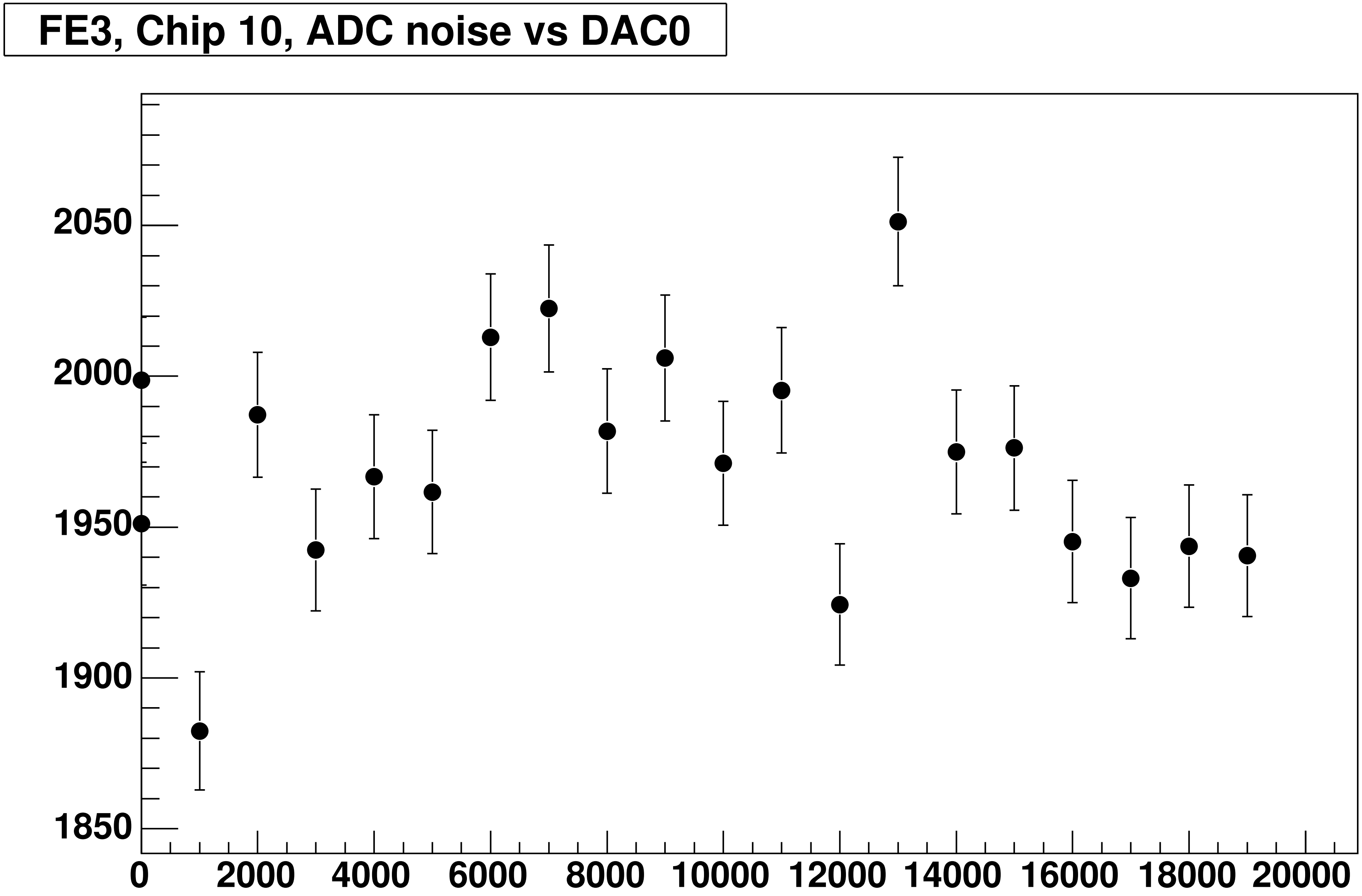


FE3, Chip 9, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

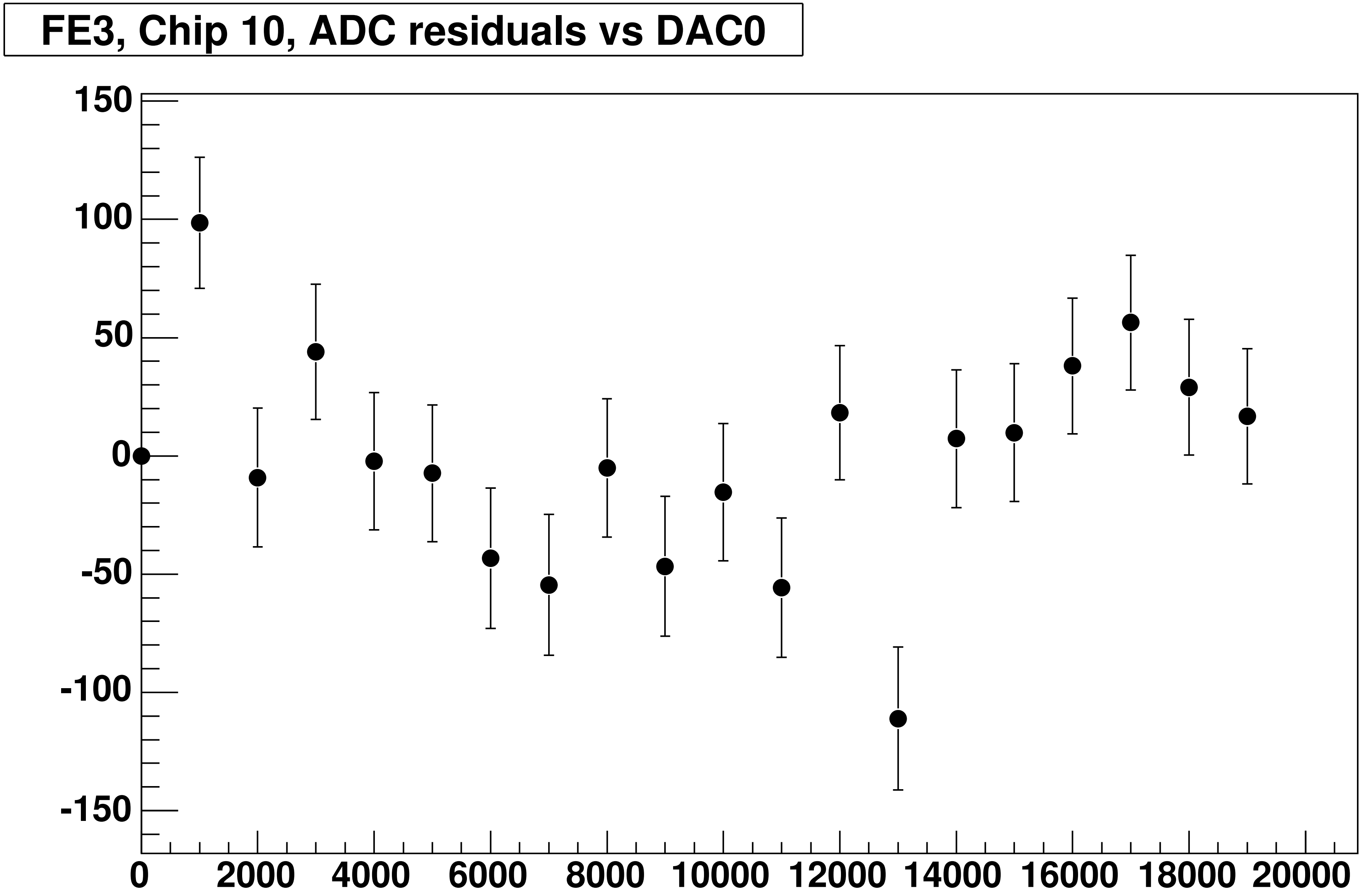

FE3, Chip 9, ADC residuals vs DAC1
0
500
1000
1500
2000
2500
3000
3500
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

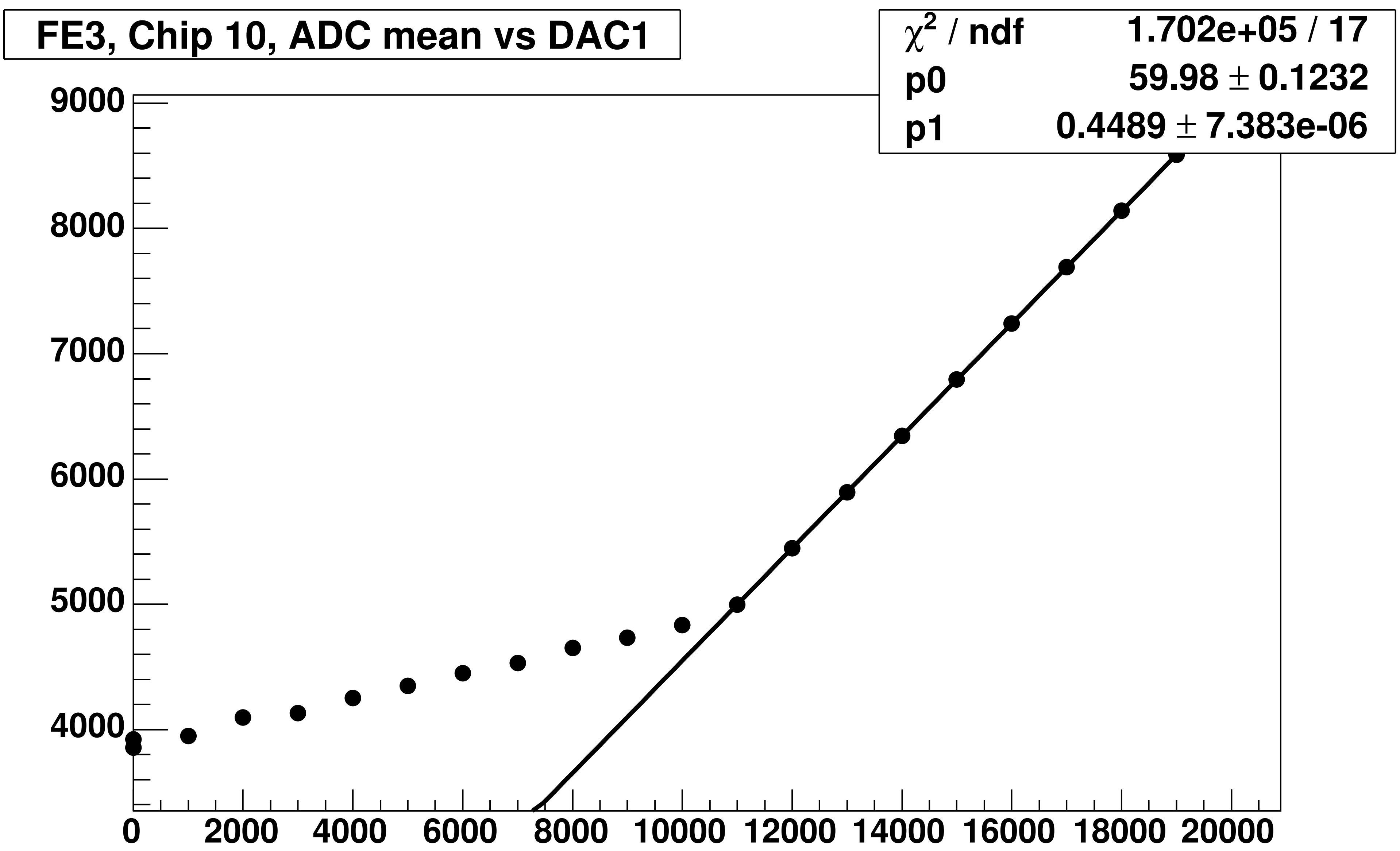


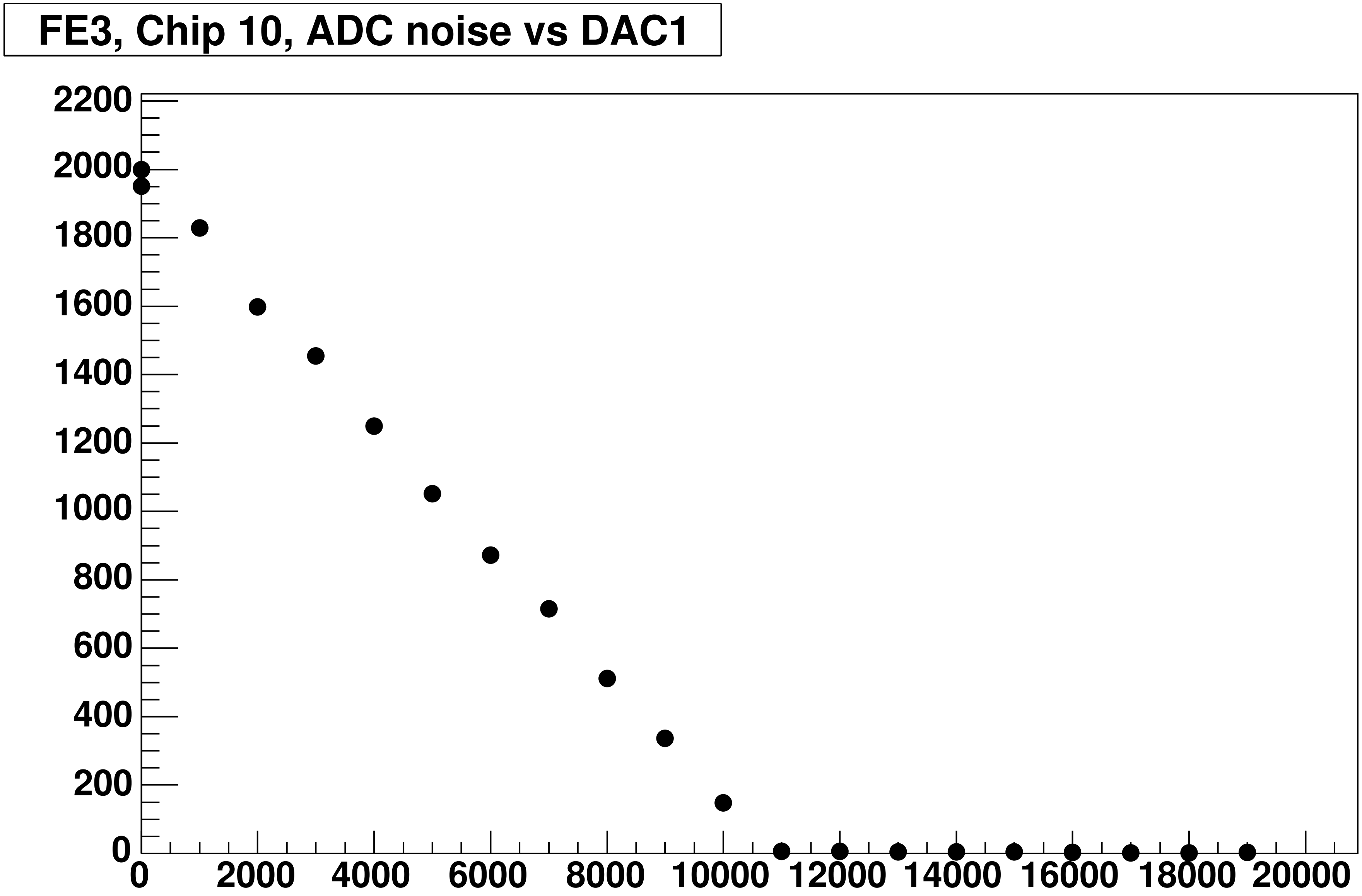
FE3, Chip 10, ADC mean vs DAC0
χ² / ndf 48.19 / 17
p0 3899 ± 13.74
p1 -0.003076 ± 0.001202
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

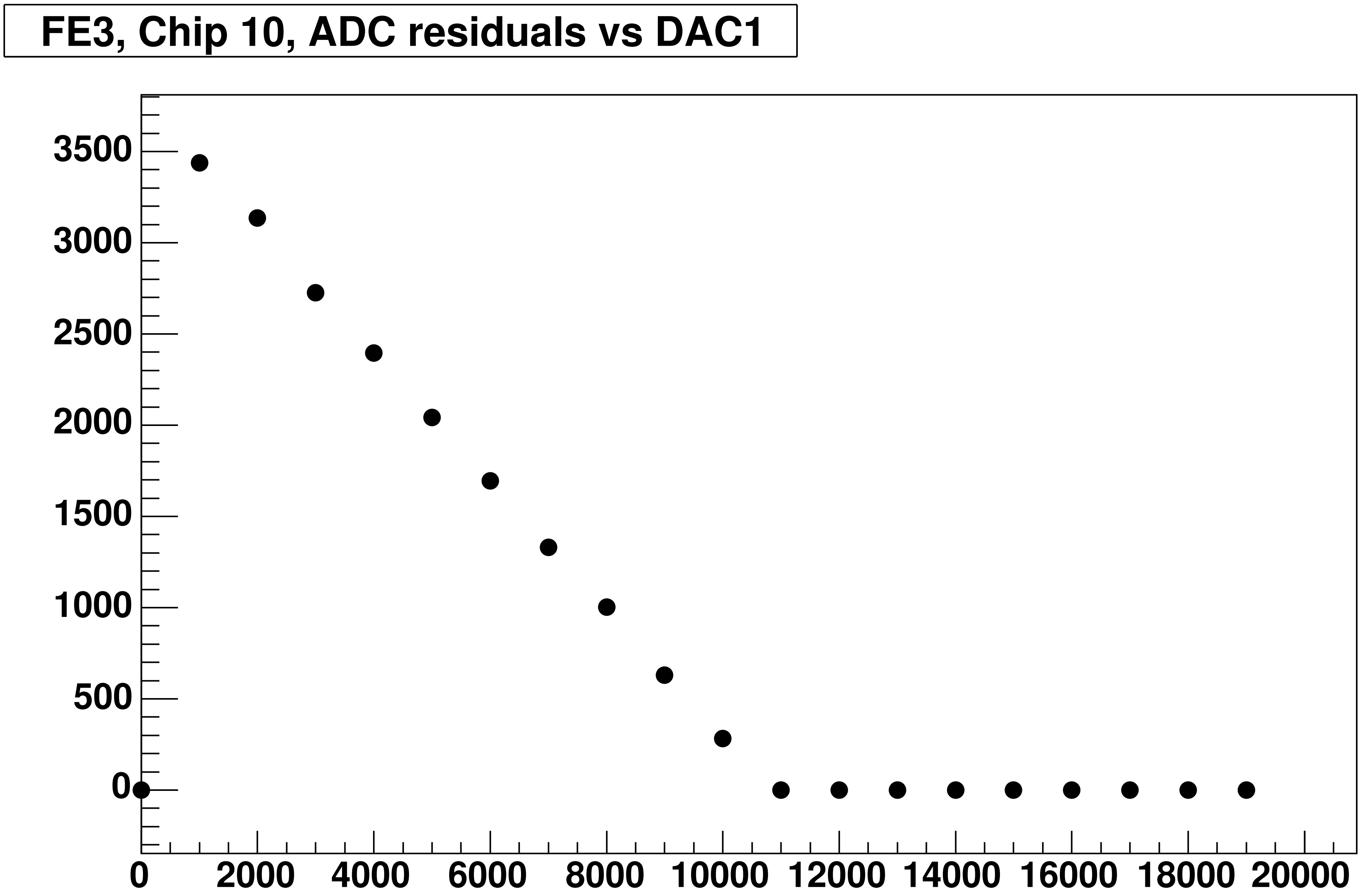


FE3, Chip 10, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

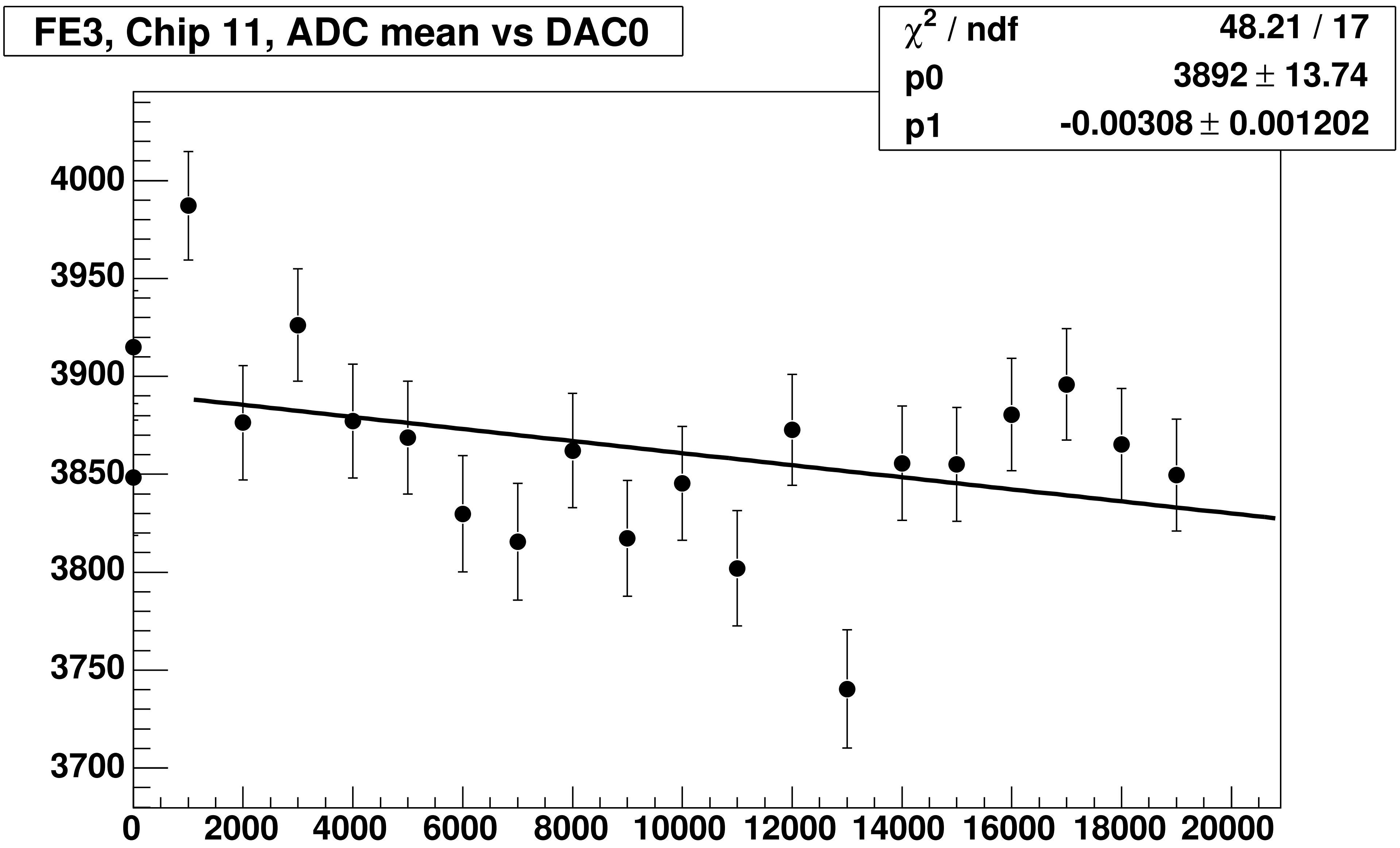

FE3, Chip 10, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 10, ADC mean vs DAC1
χ^2 / ndf 1.702e+05 / 17
p0 59.98 ± 0.1232
p1 0.4489 ± 7.383e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

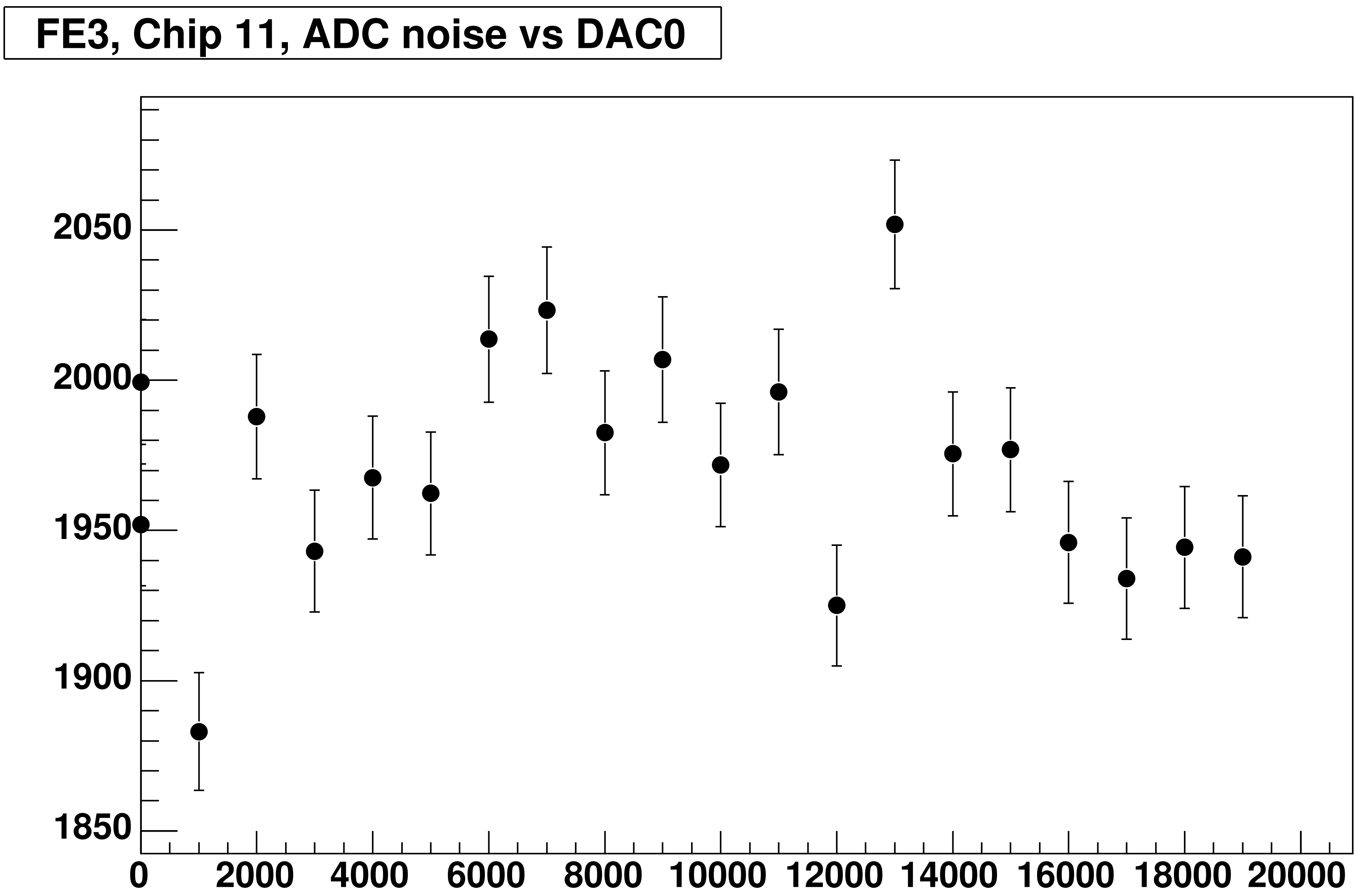

FE3, Chip 10, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

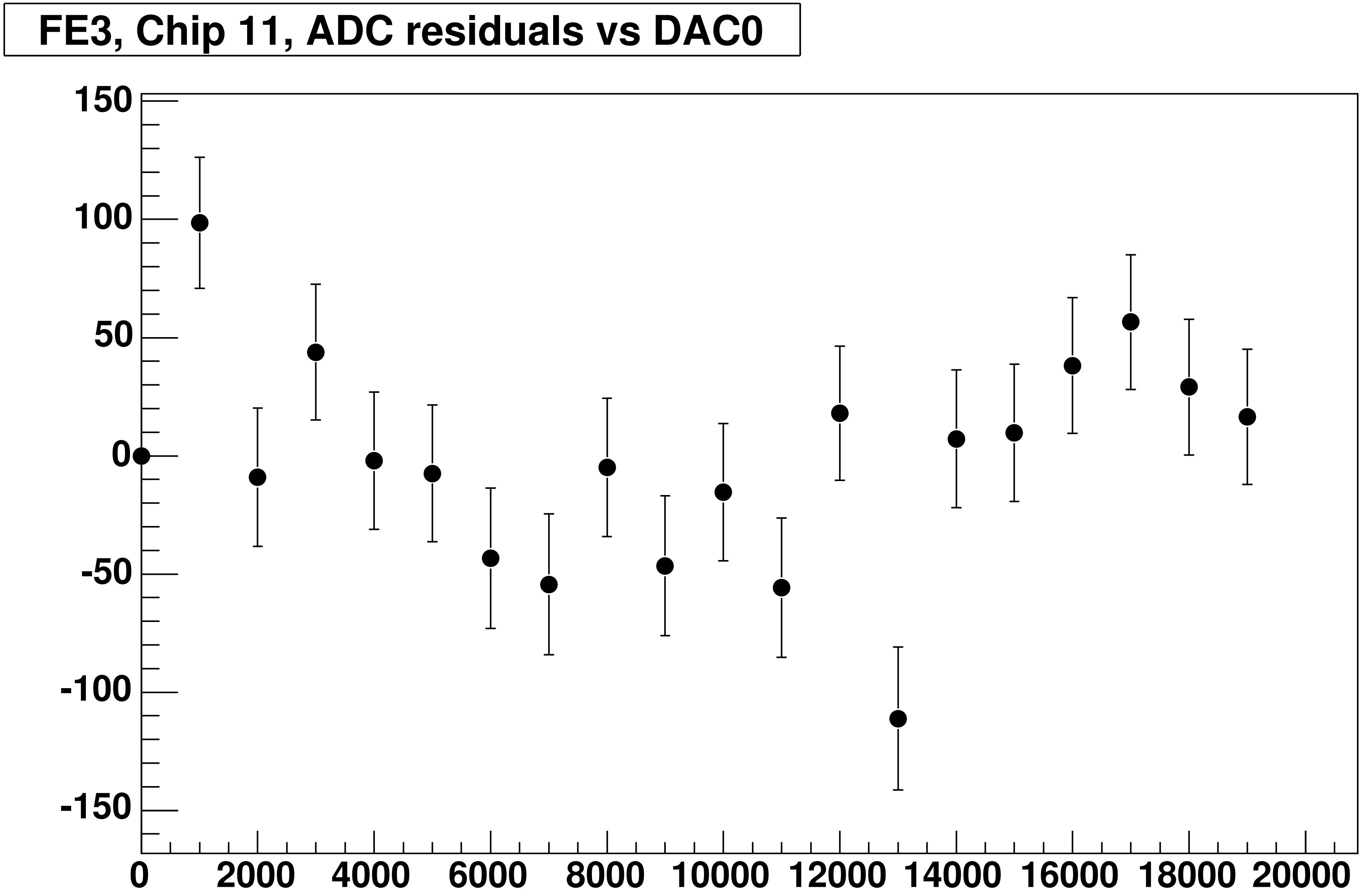


FE3, Chip 10, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

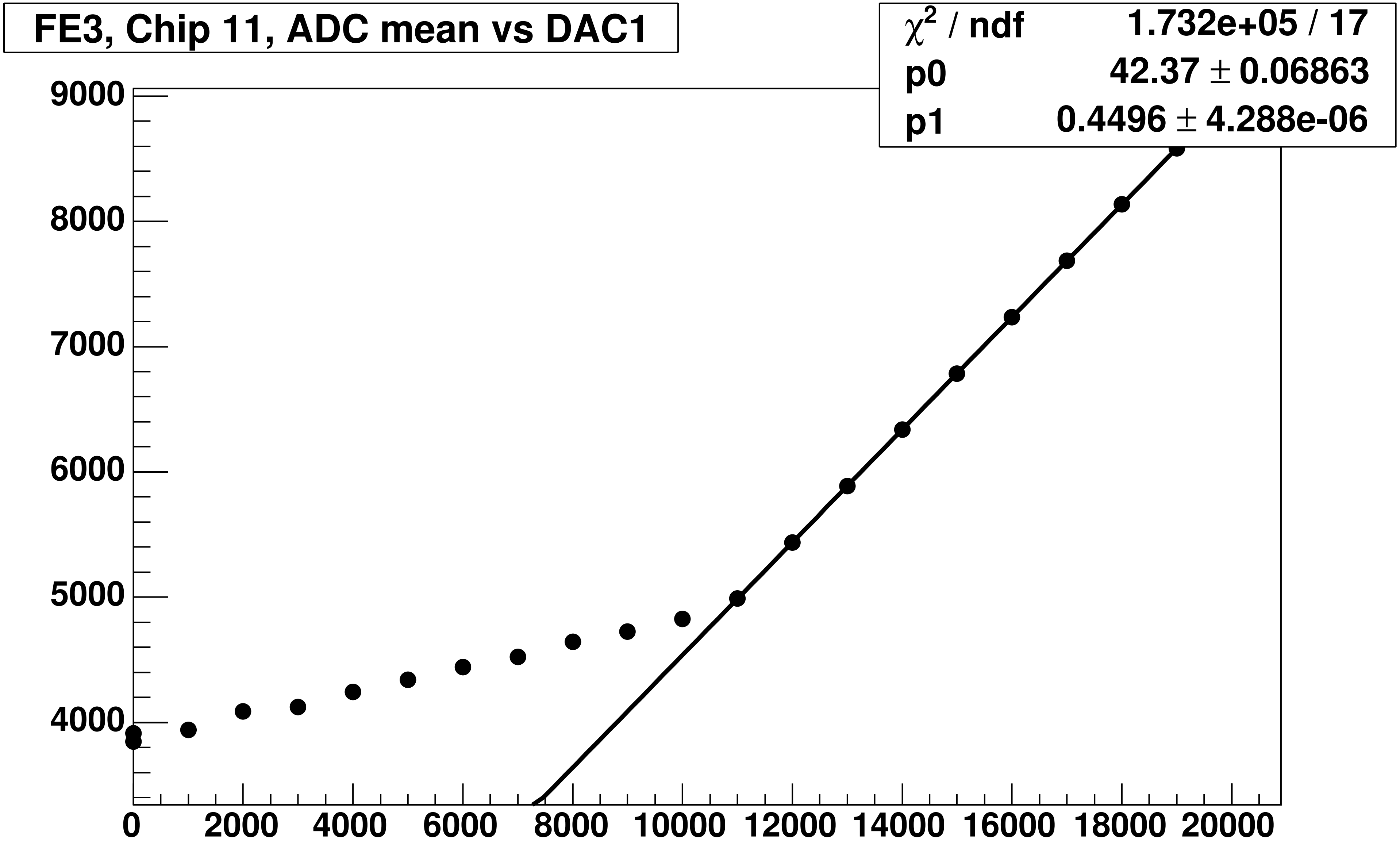


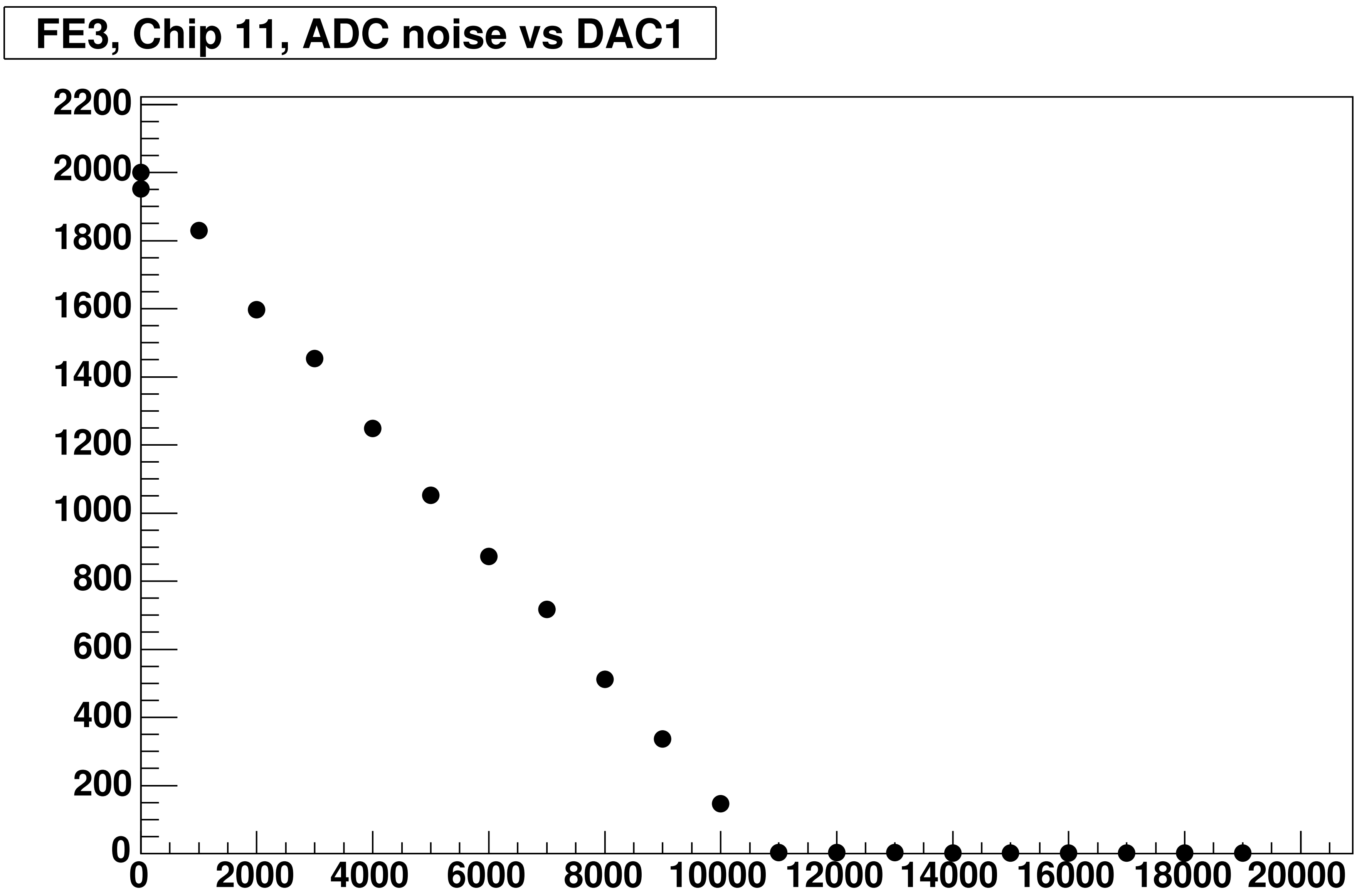
FE3, Chip 11, ADC mean vs DAC0
χ^2 / ndf 48.21 / 17
p0 3892 ± 13.74
p1 -0.00308 ± 0.001202
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 11, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

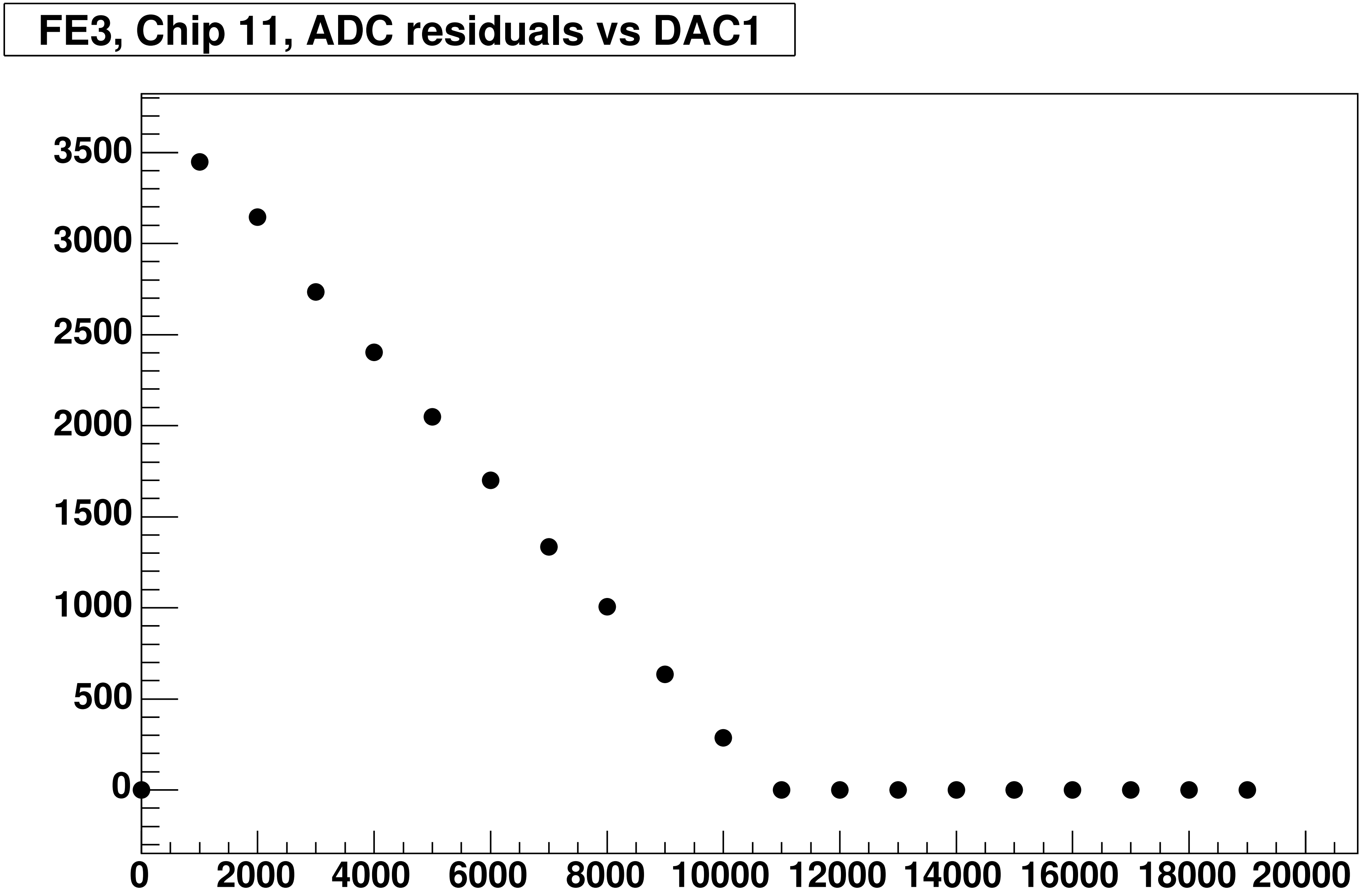


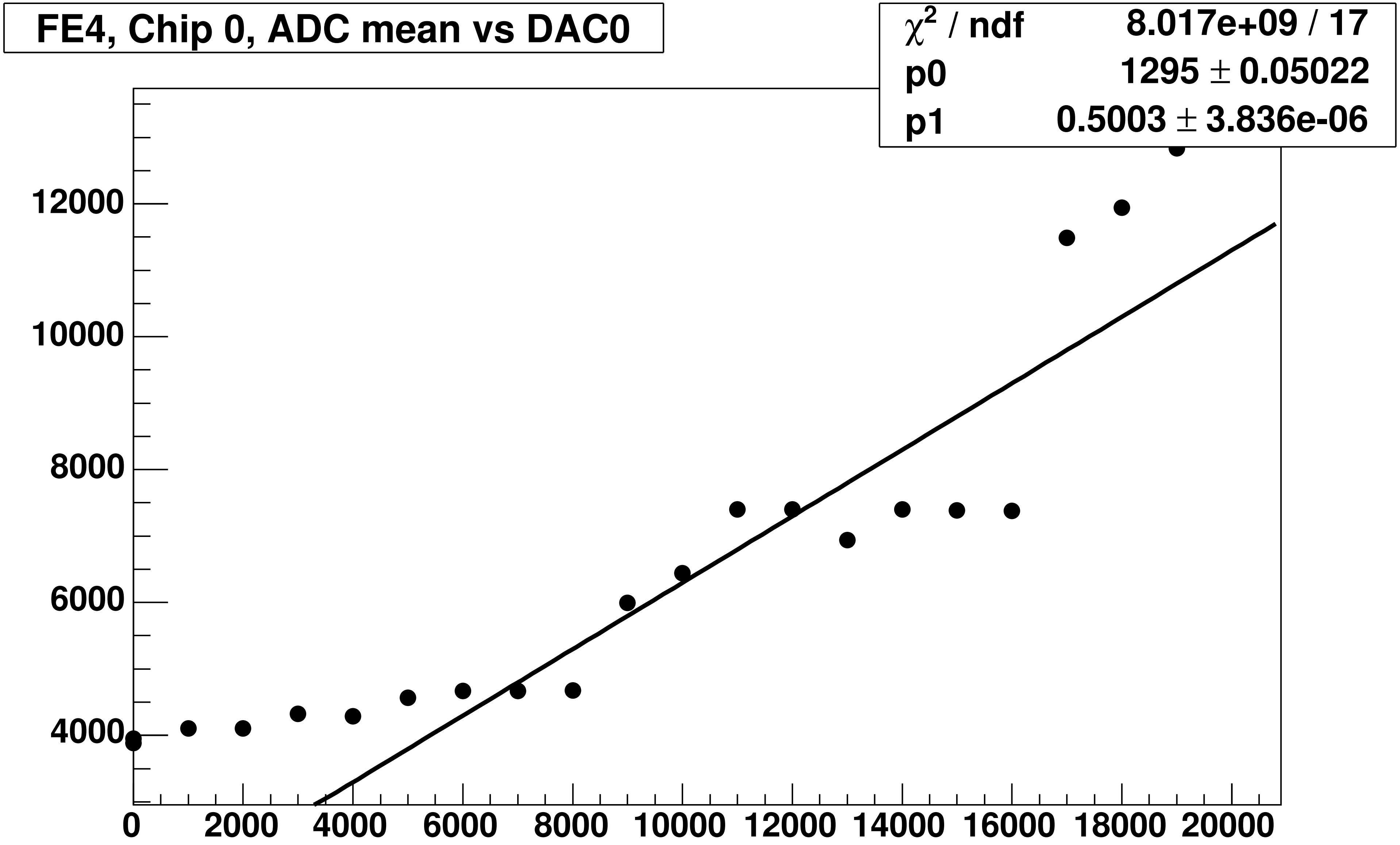
FE3, Chip 11, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

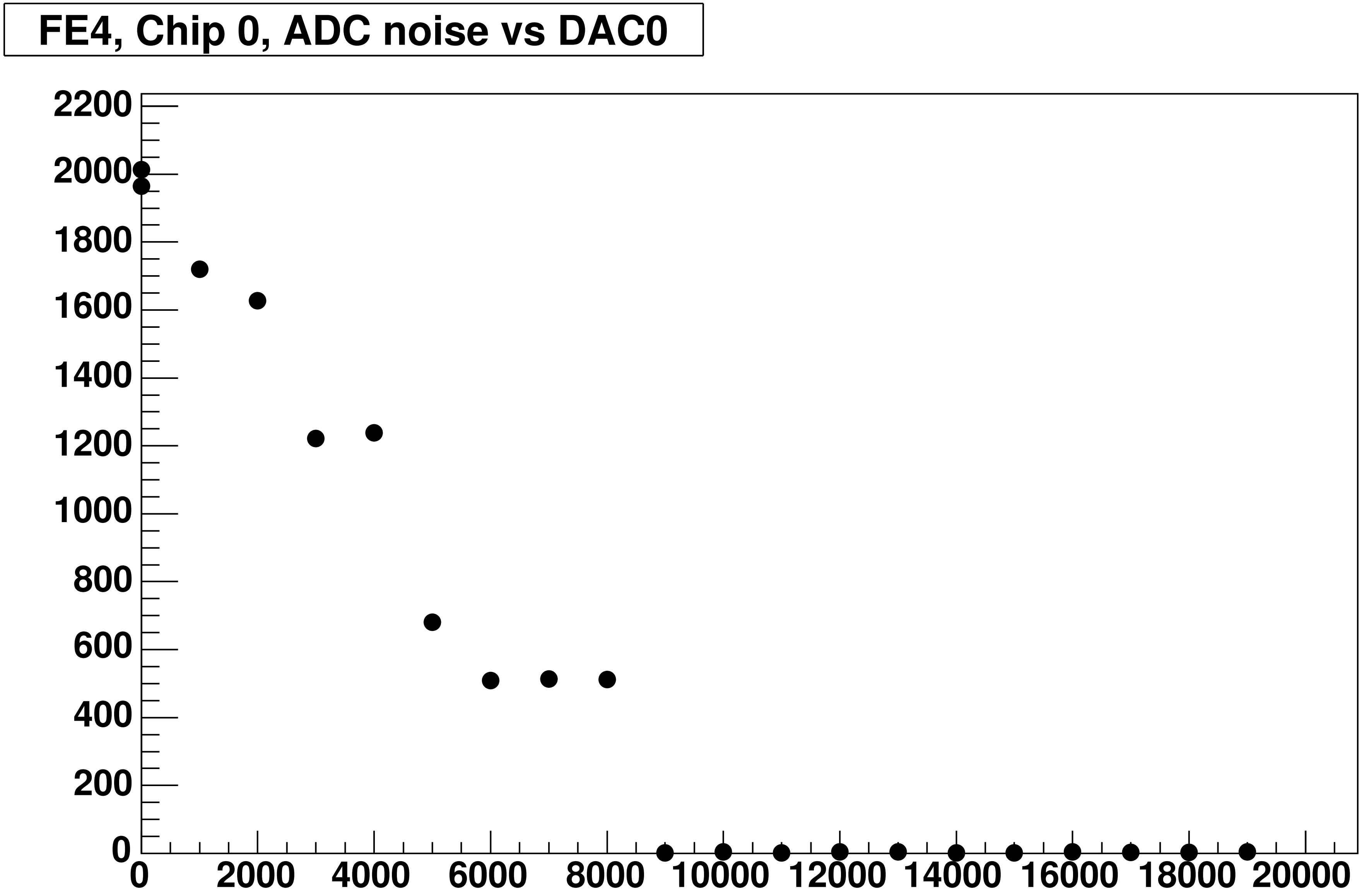

FE3, Chip 11, ADC mean vs DAC1
χ² / ndf 1.732e+05 / 17
p0 42.37 ± 0.06863
p1 0.4496 ± 4.288e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

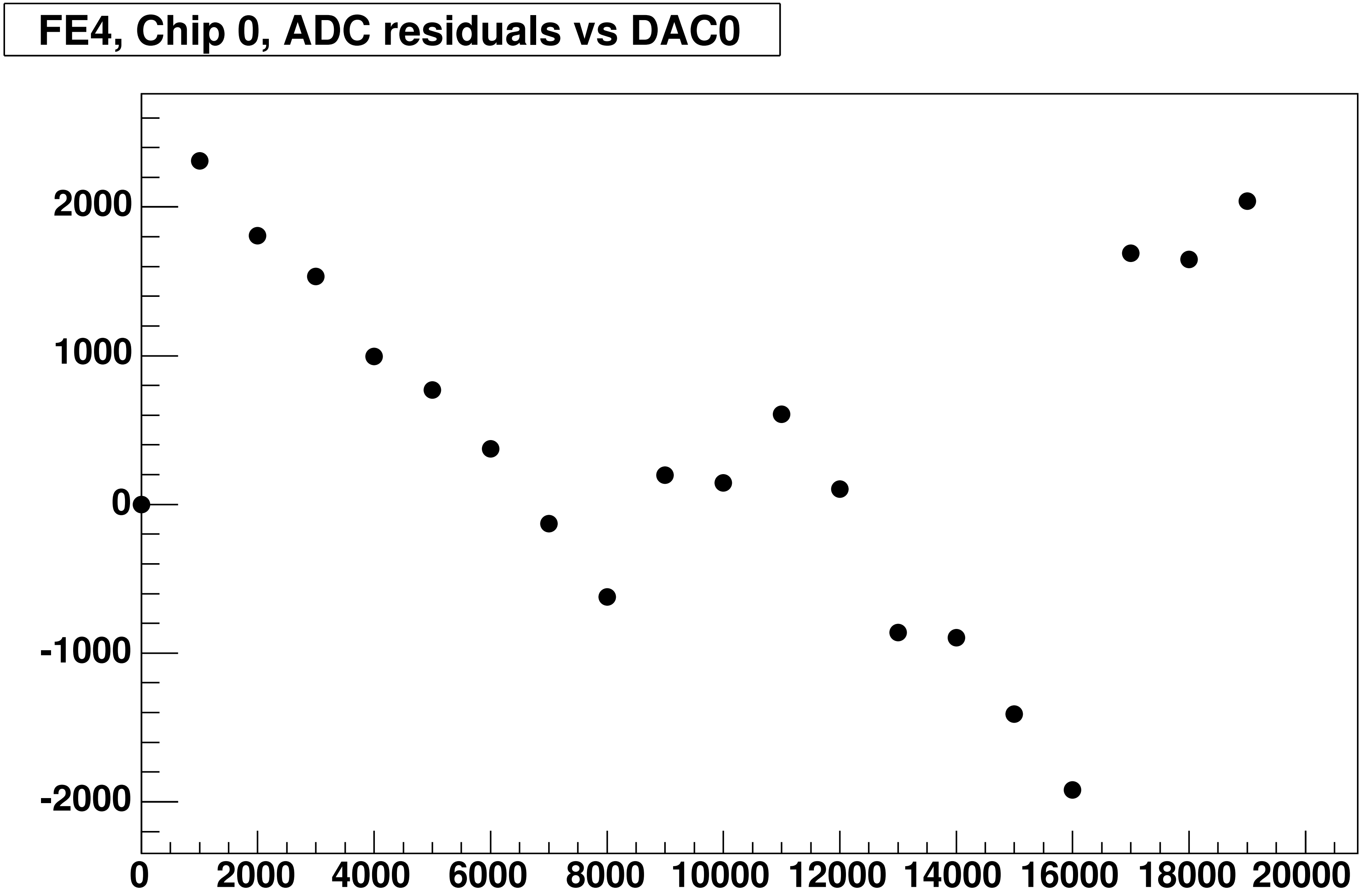


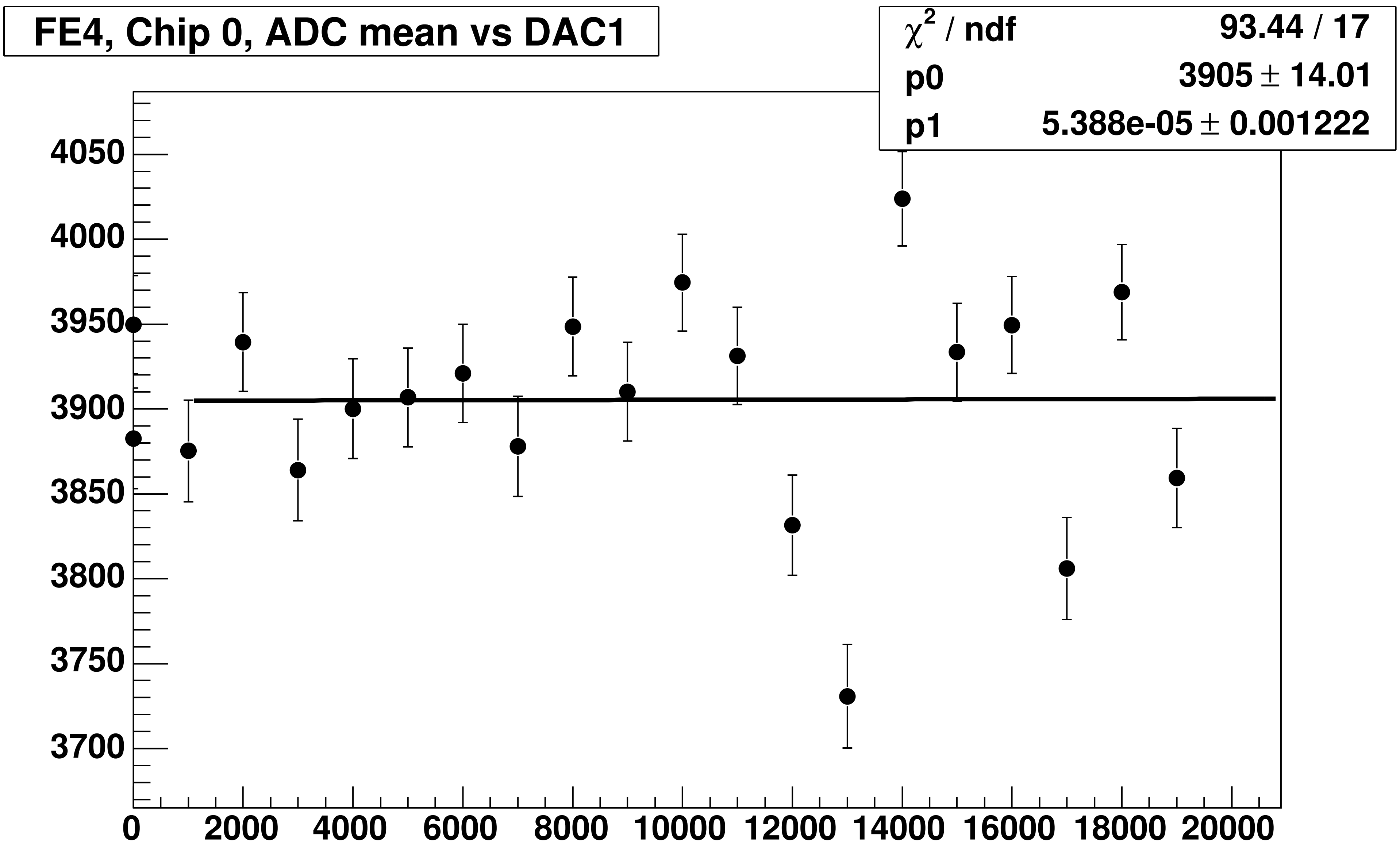
FE3, Chip 11, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE3, Chip 11, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

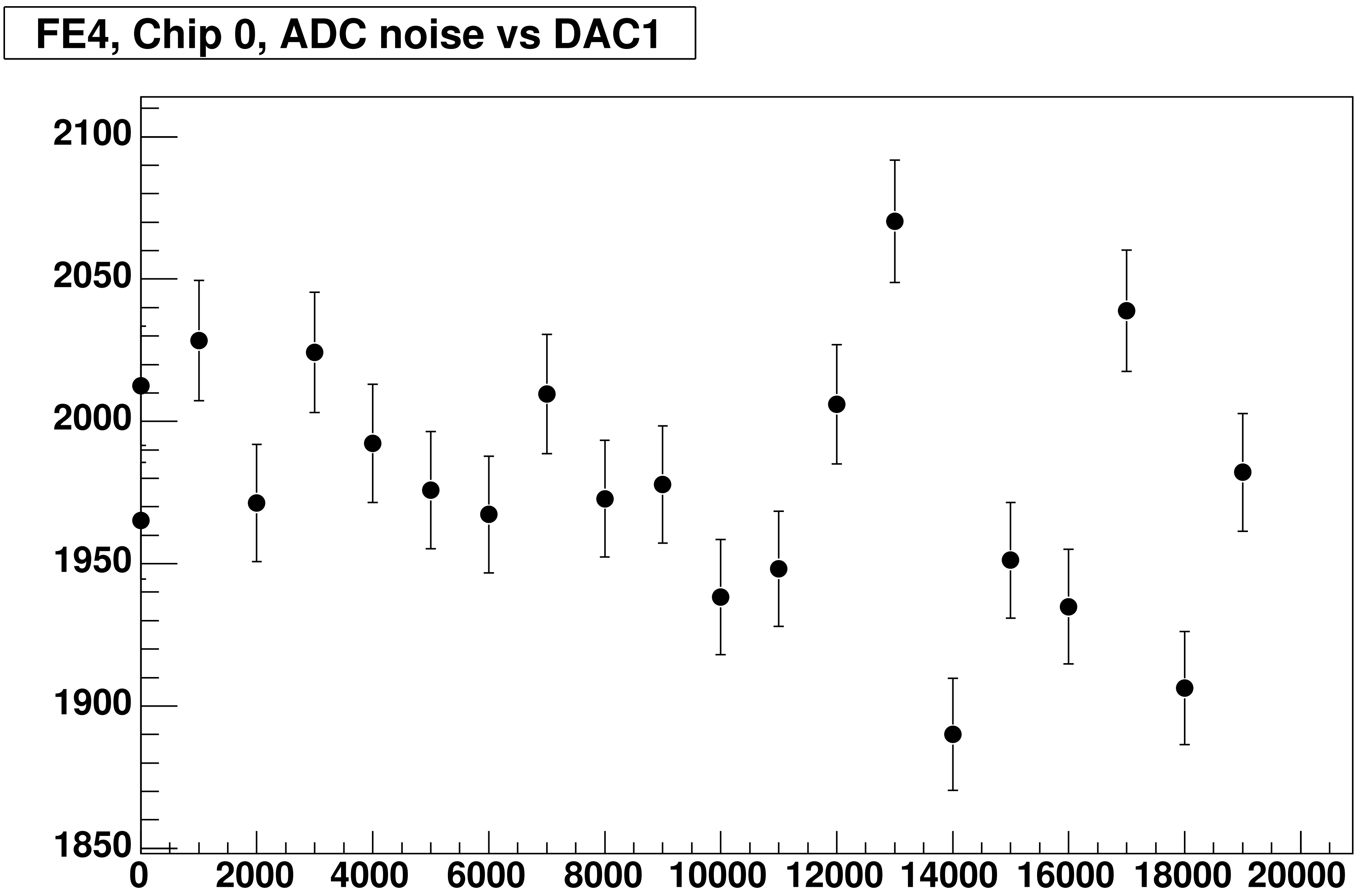

FE4, Chip 0, ADC mean vs DAC0
χ^2 / ndf 8.017e+09 / 17
p0 1295 ± 0.05022
p1 0.5003 ± 3.836e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 0, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

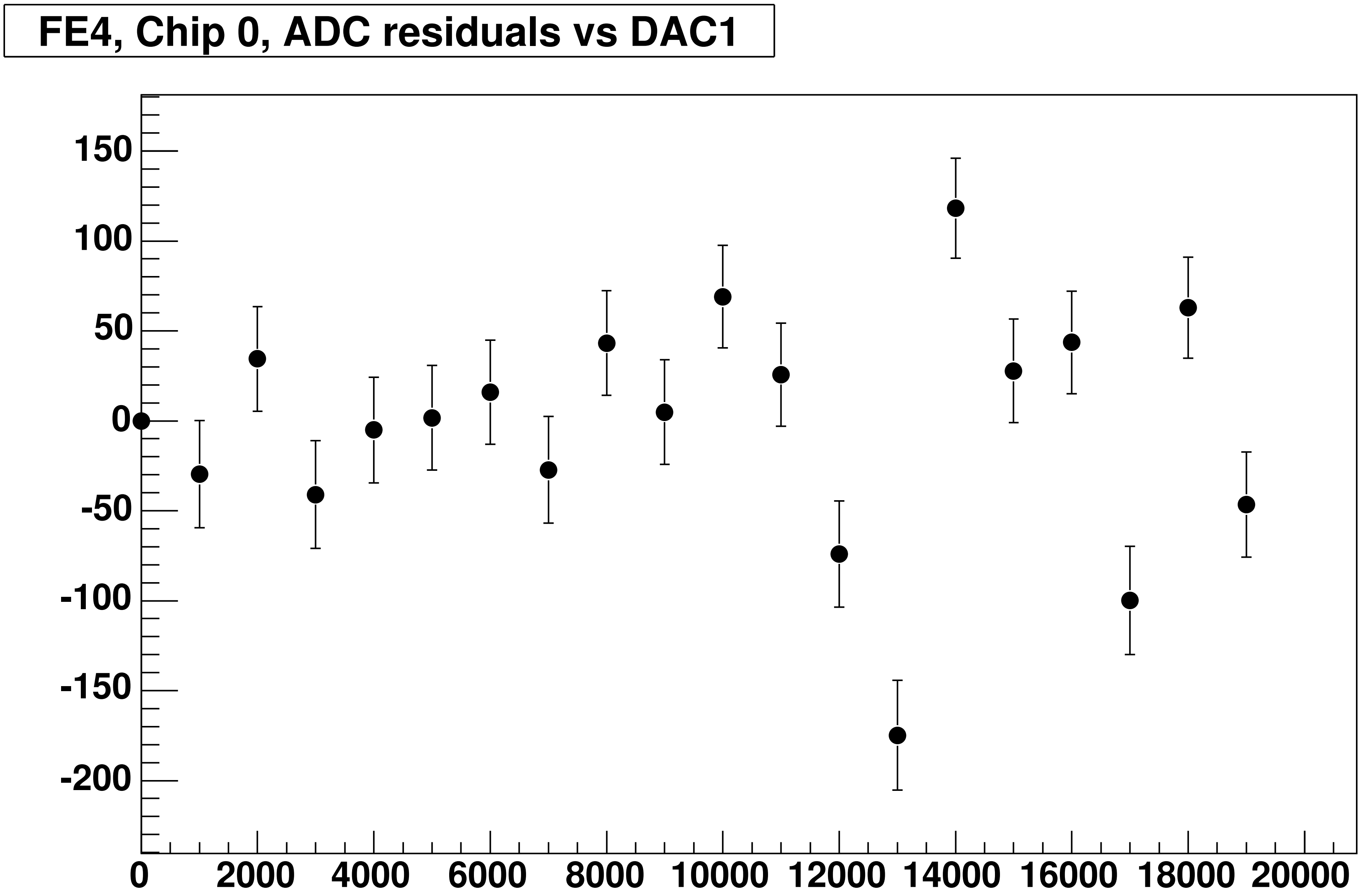

FE4, Chip 0, ADC residuals vs DAC0
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

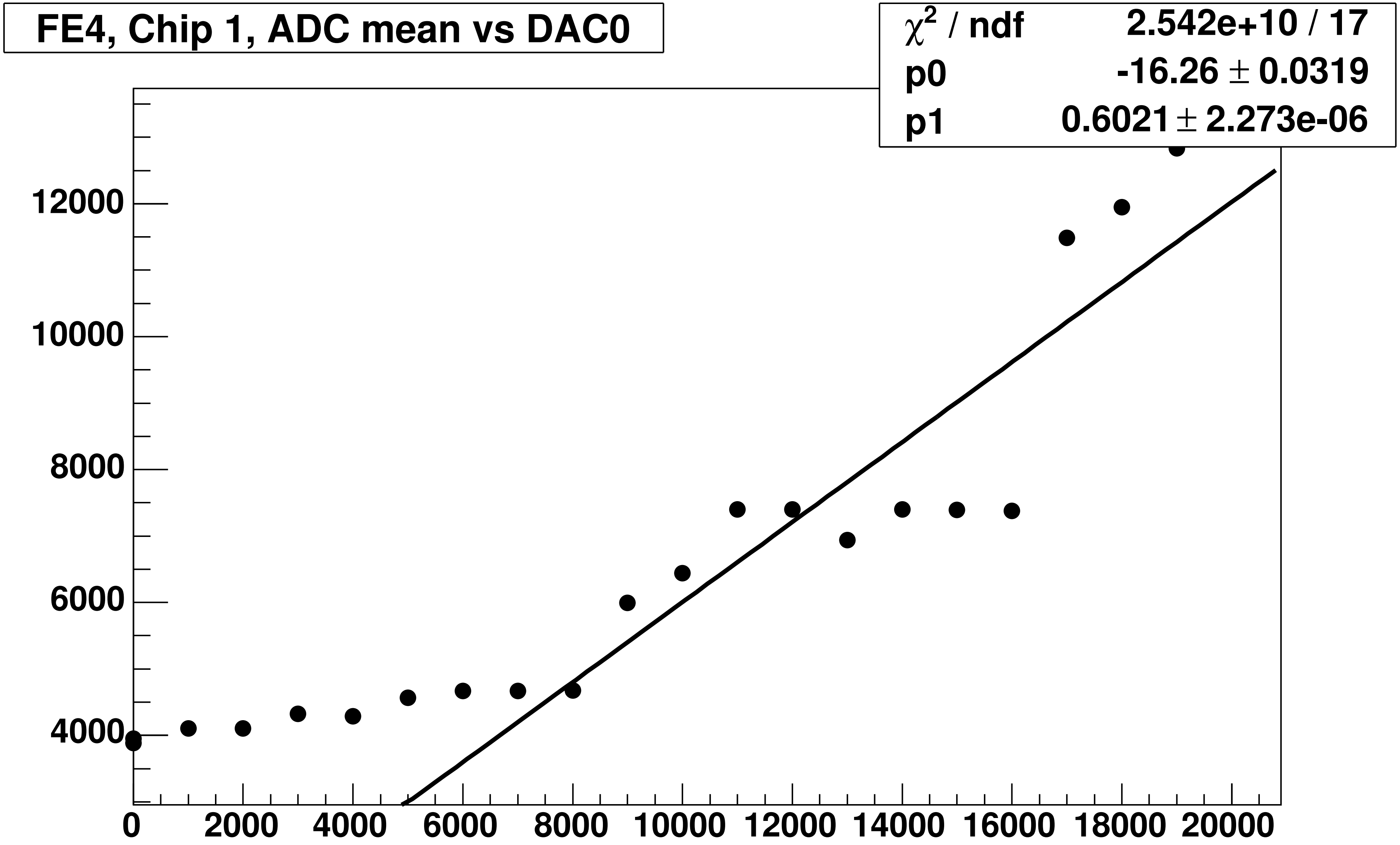


FE4, Chip 0, ADC mean vs DAC1
χ^2 / ndf 93.44 / 17
p0 3905 ± 14.01
p1 5.388e-05 ± 0.001222
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

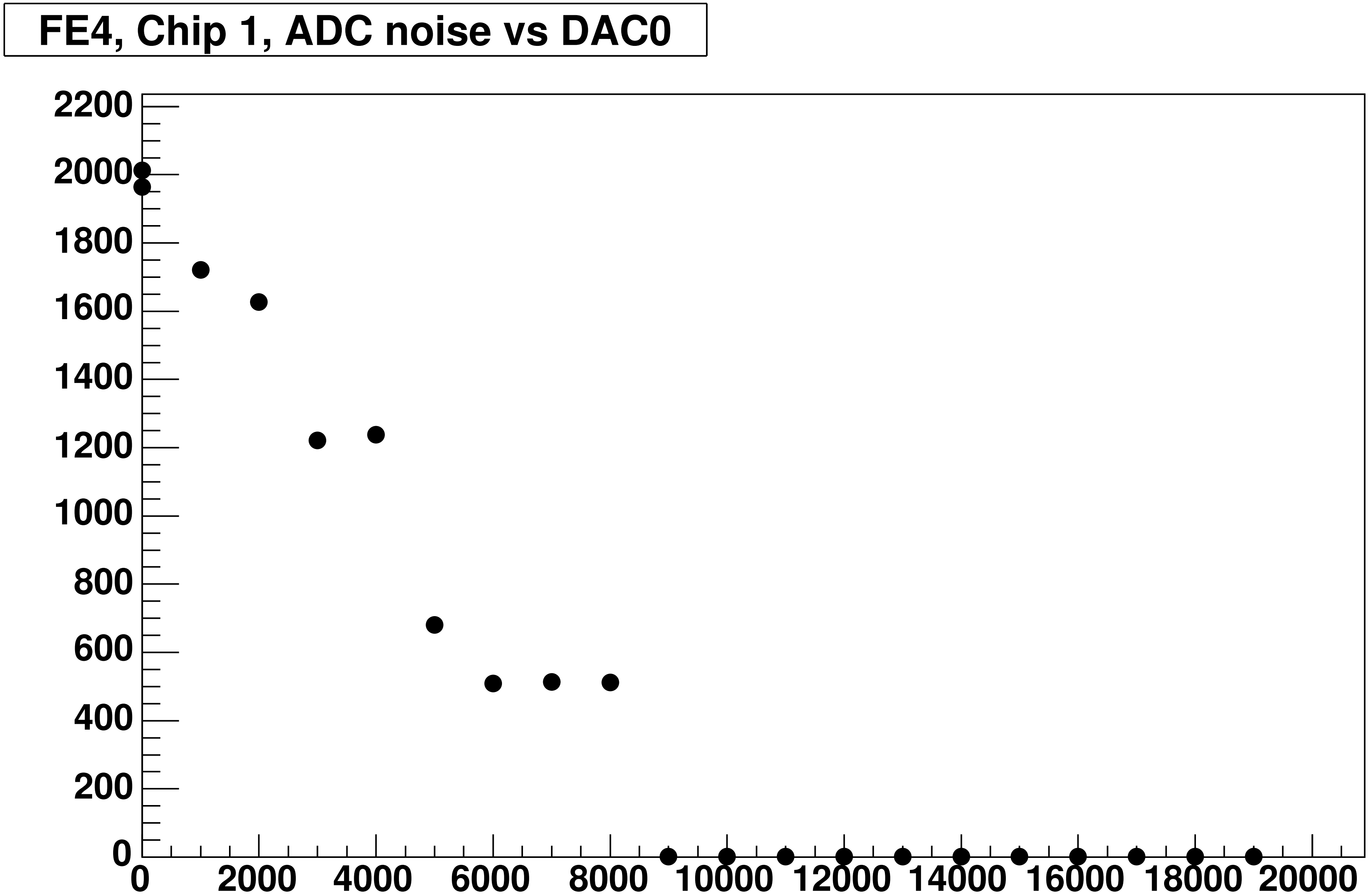


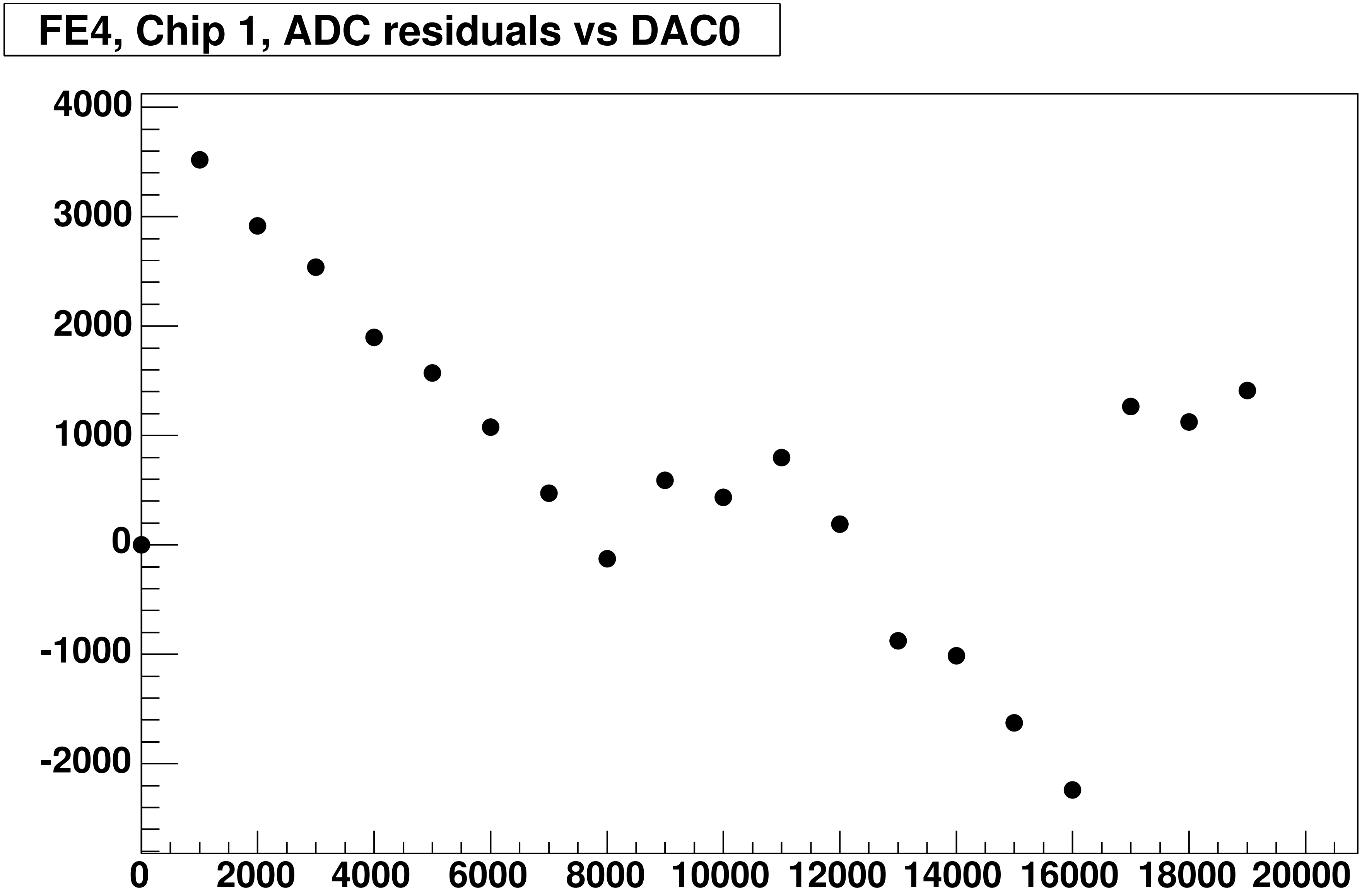
FE4, Chip 0, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

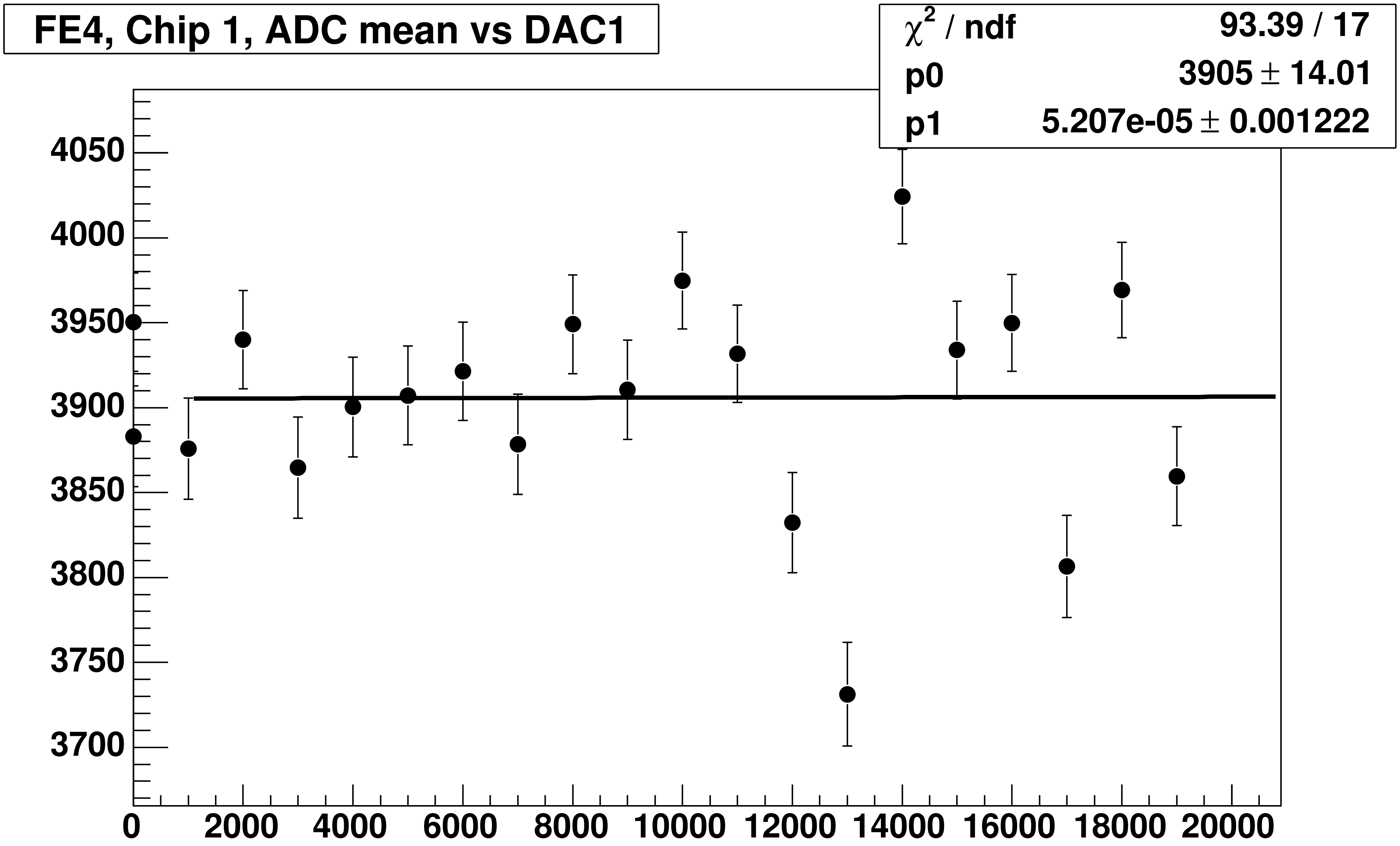

FE4, Chip 0, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



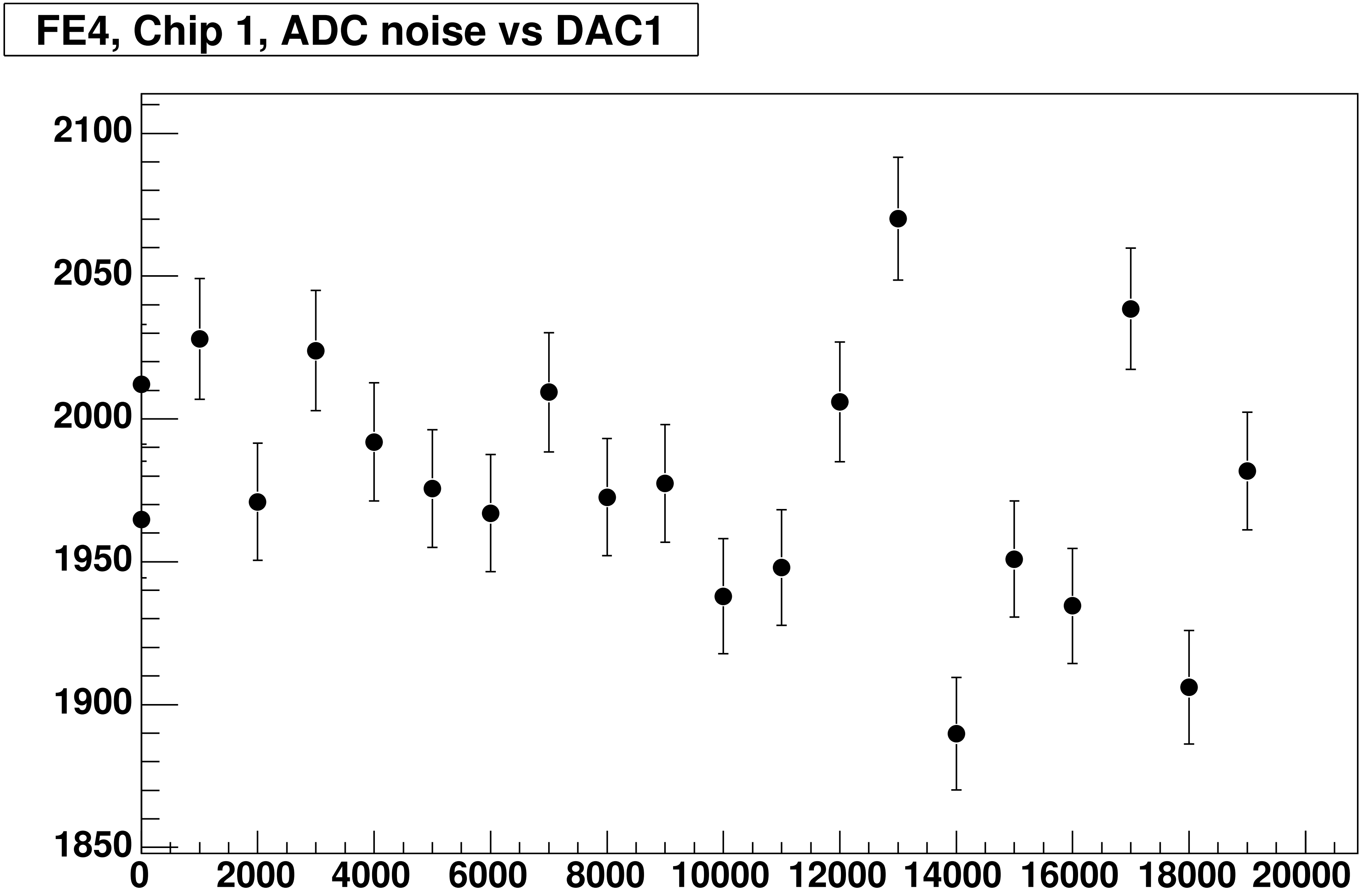
FE4, Chip 1, ADC mean vs DAC0
χ^2 / ndf 2.542e+10 / 17
p0 -16.26 ± 0.0319
p1 0.6021 ± 2.273e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 1, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

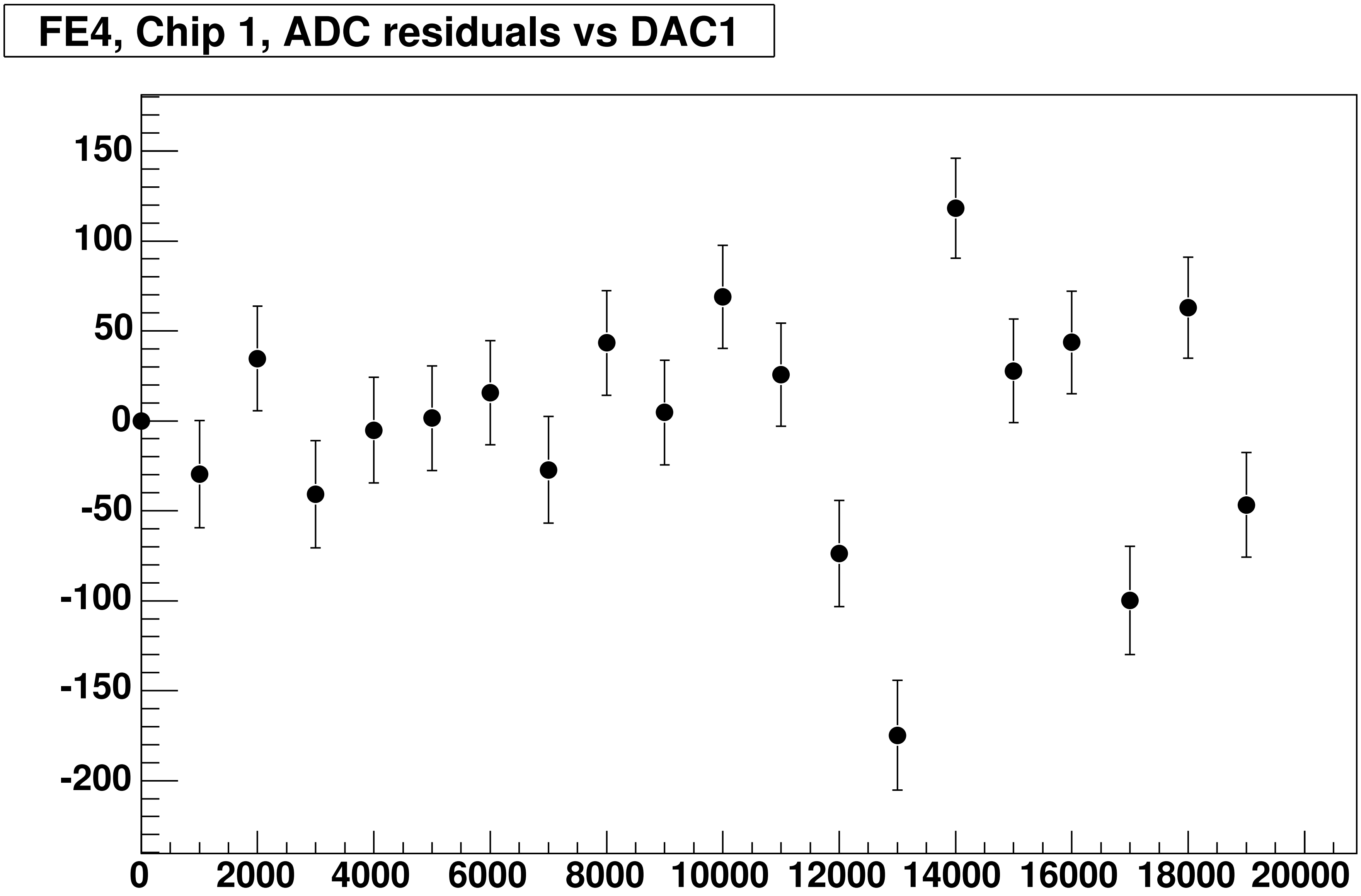

FE4, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

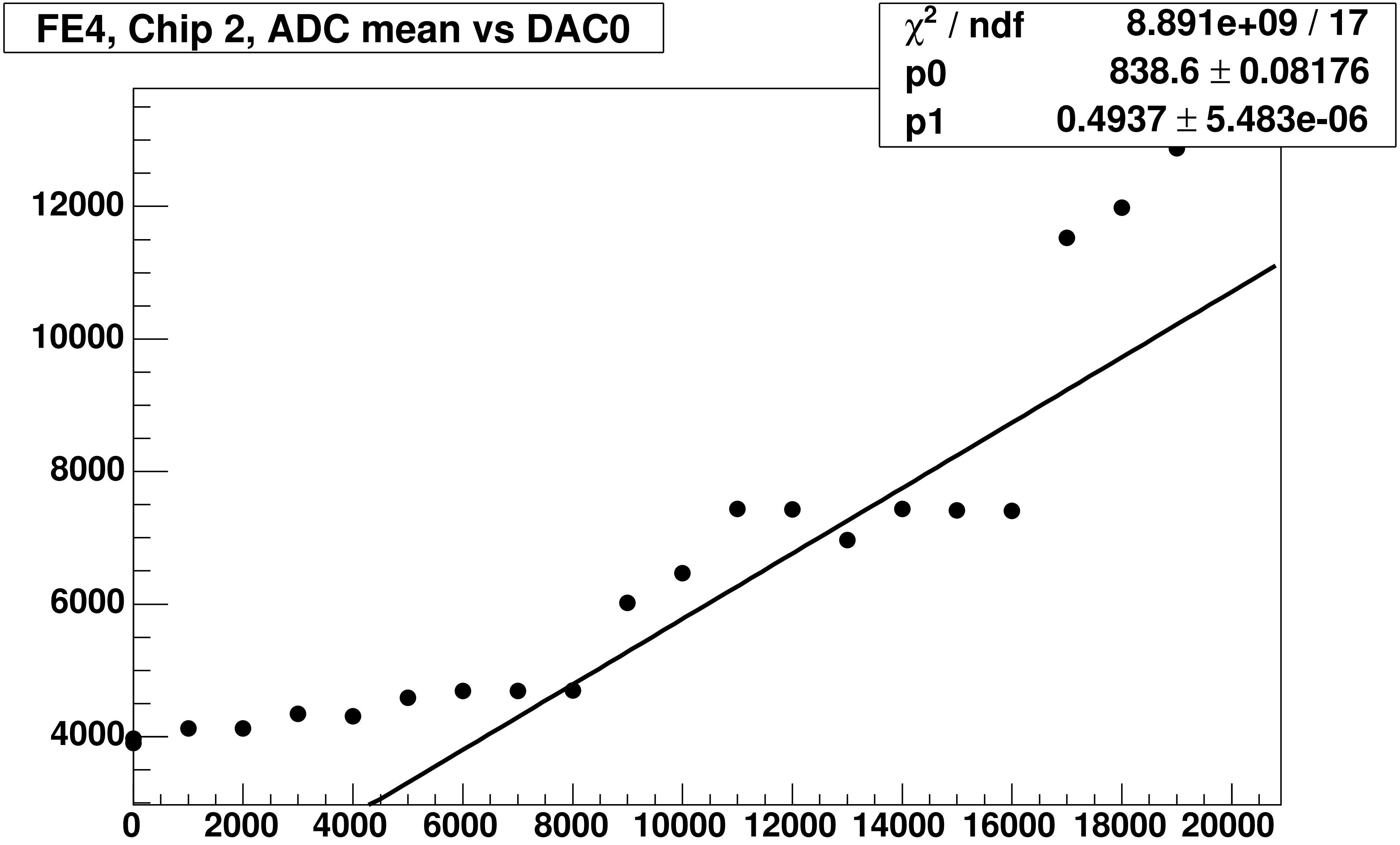


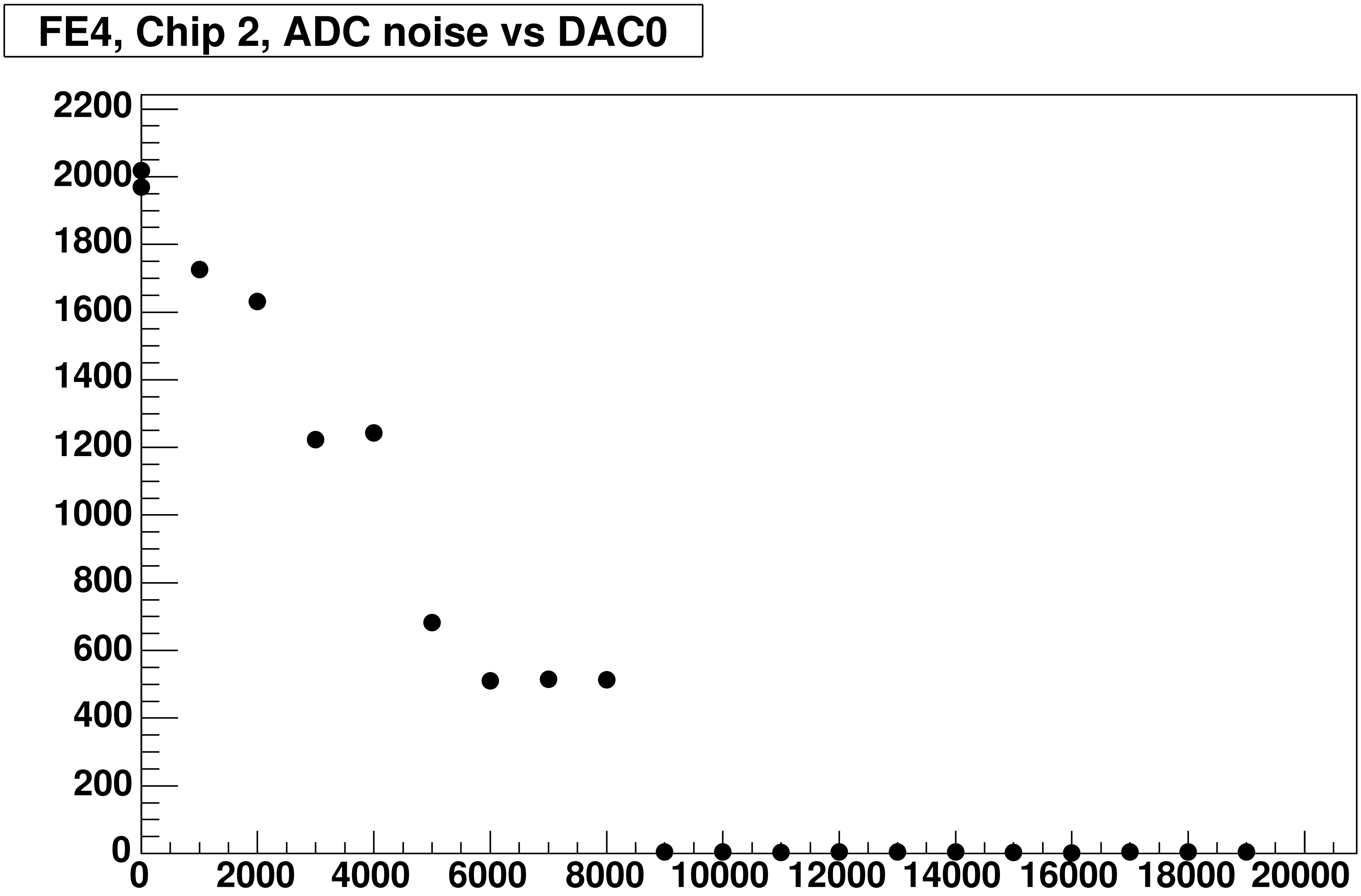
FE4, Chip 1, ADC mean vs DAC1
χ^2 / ndf 93.39 / 17
p0 3905 ± 14.01
p1 5.207e-05 ± 0.001222
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



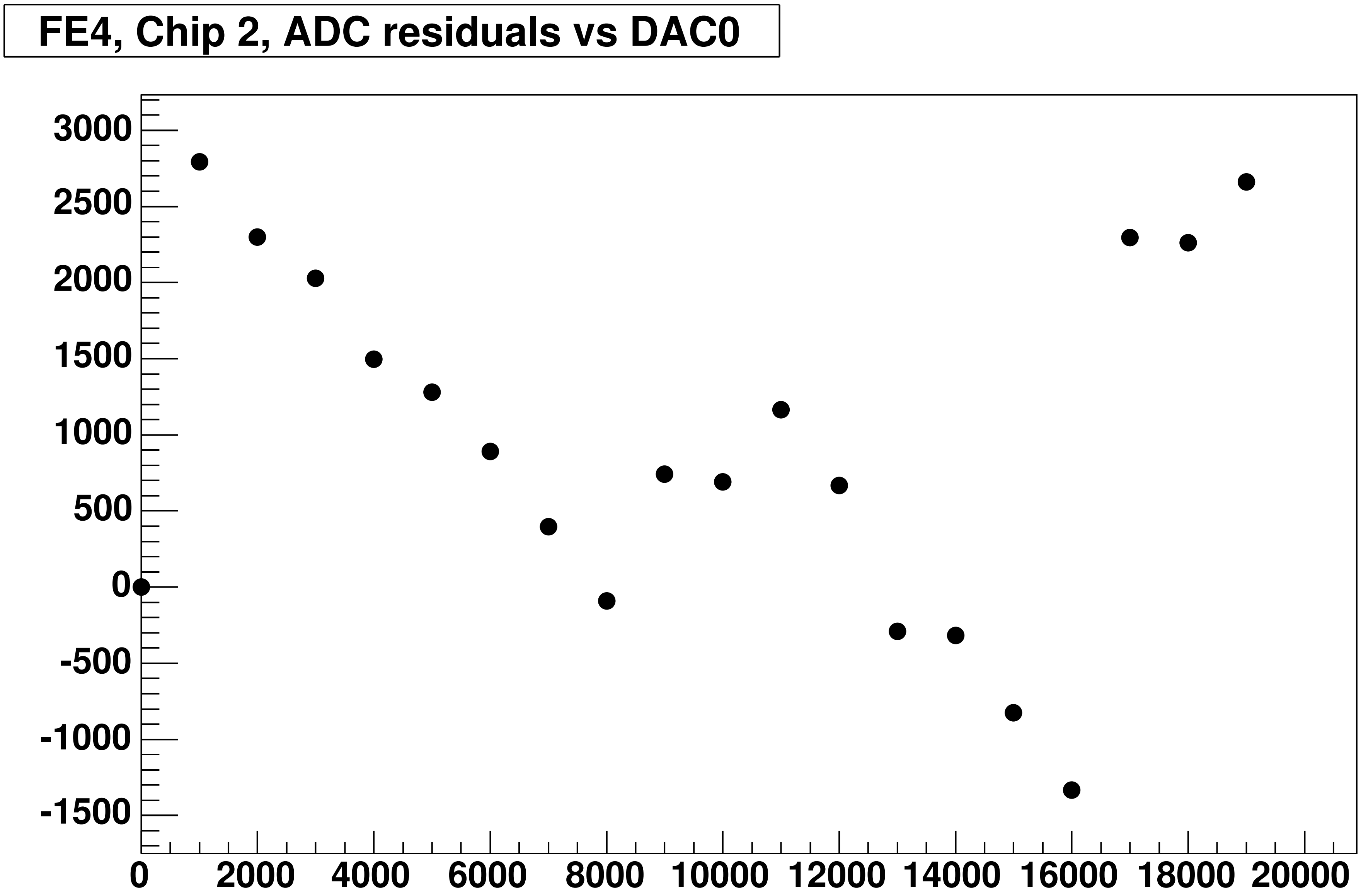
FE4, Chip 1, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

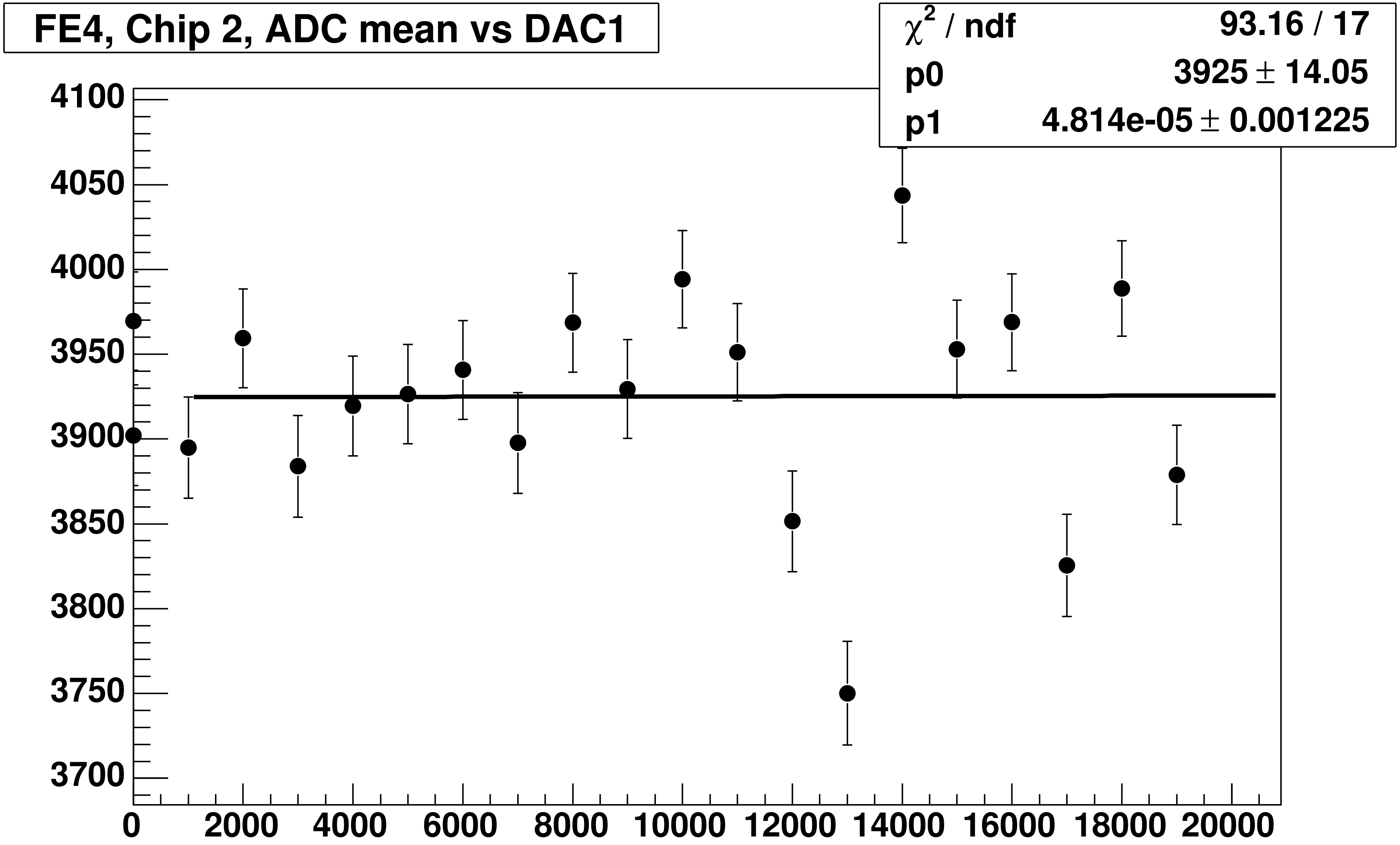

FE4, Chip 1, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 2, ADC mean vs DAC0
χ^2 / ndf 8.891e+09 / 17
p0 838.6 ± 0.08176
p1 0.4937 ± 5.483e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

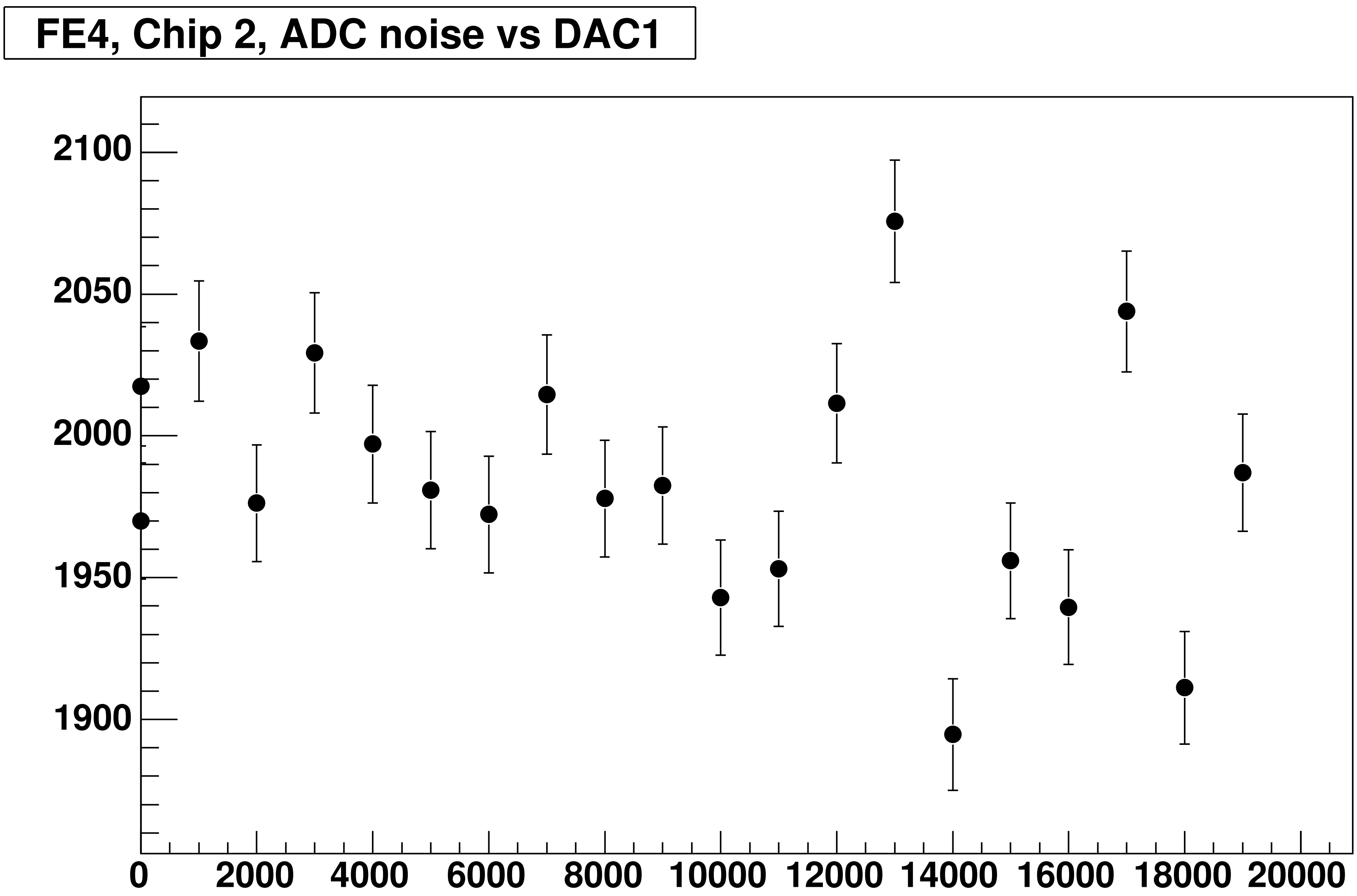


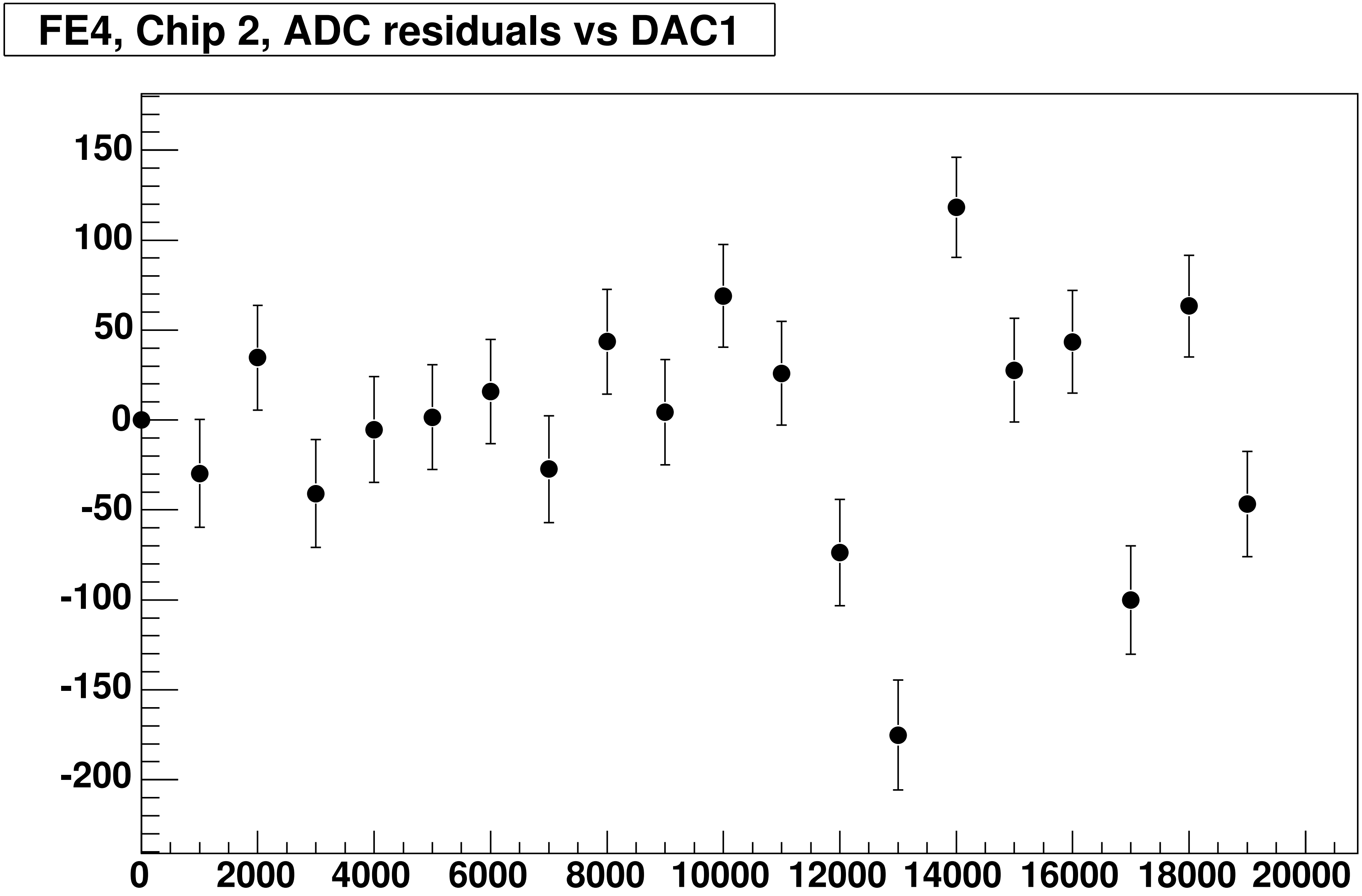
FE4, Chip 2, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

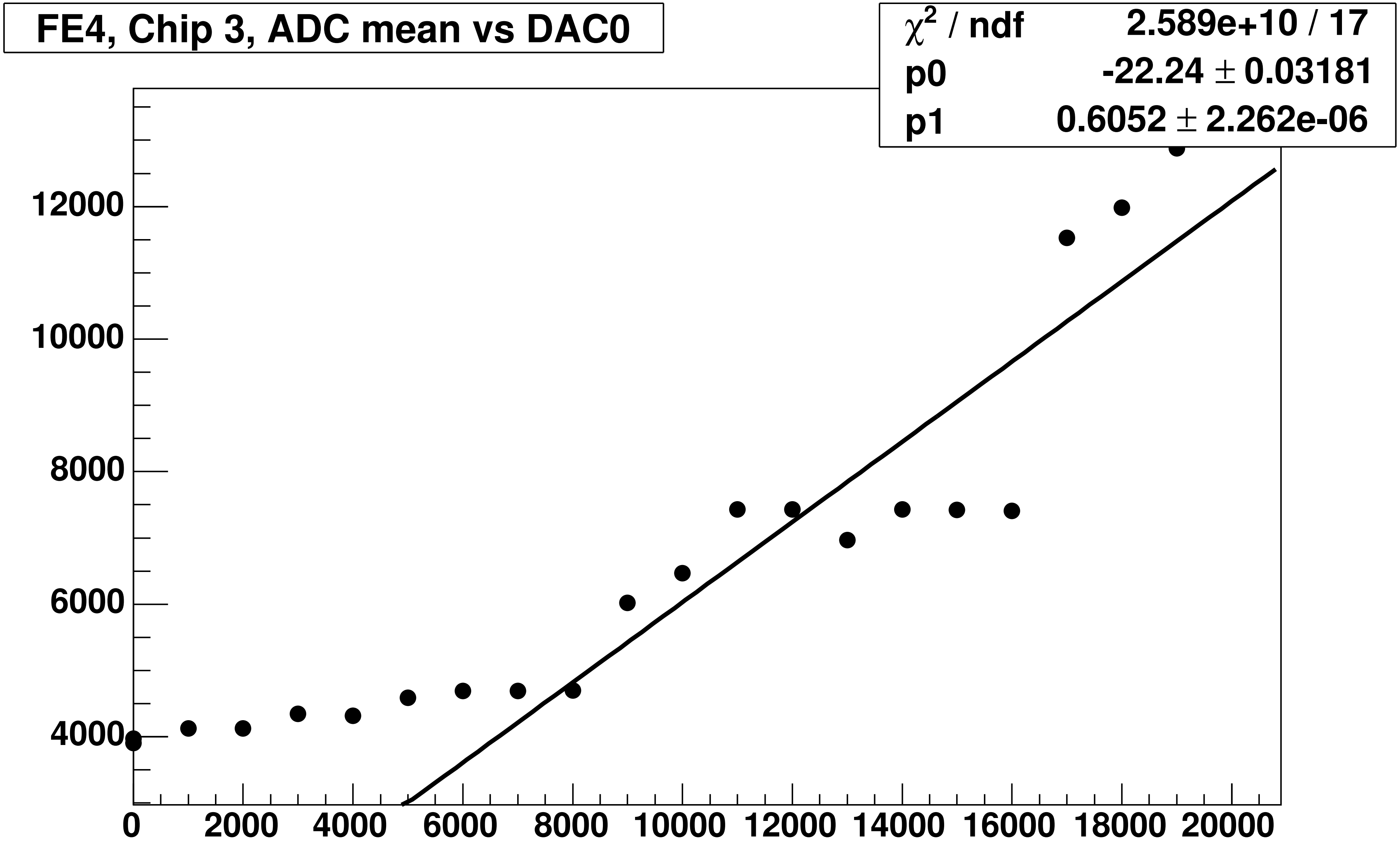

FE4, Chip 2, ADC residuals vs DAC0
3000
2500
2000
1500
1000
500
0
-500
-1000
-1500
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

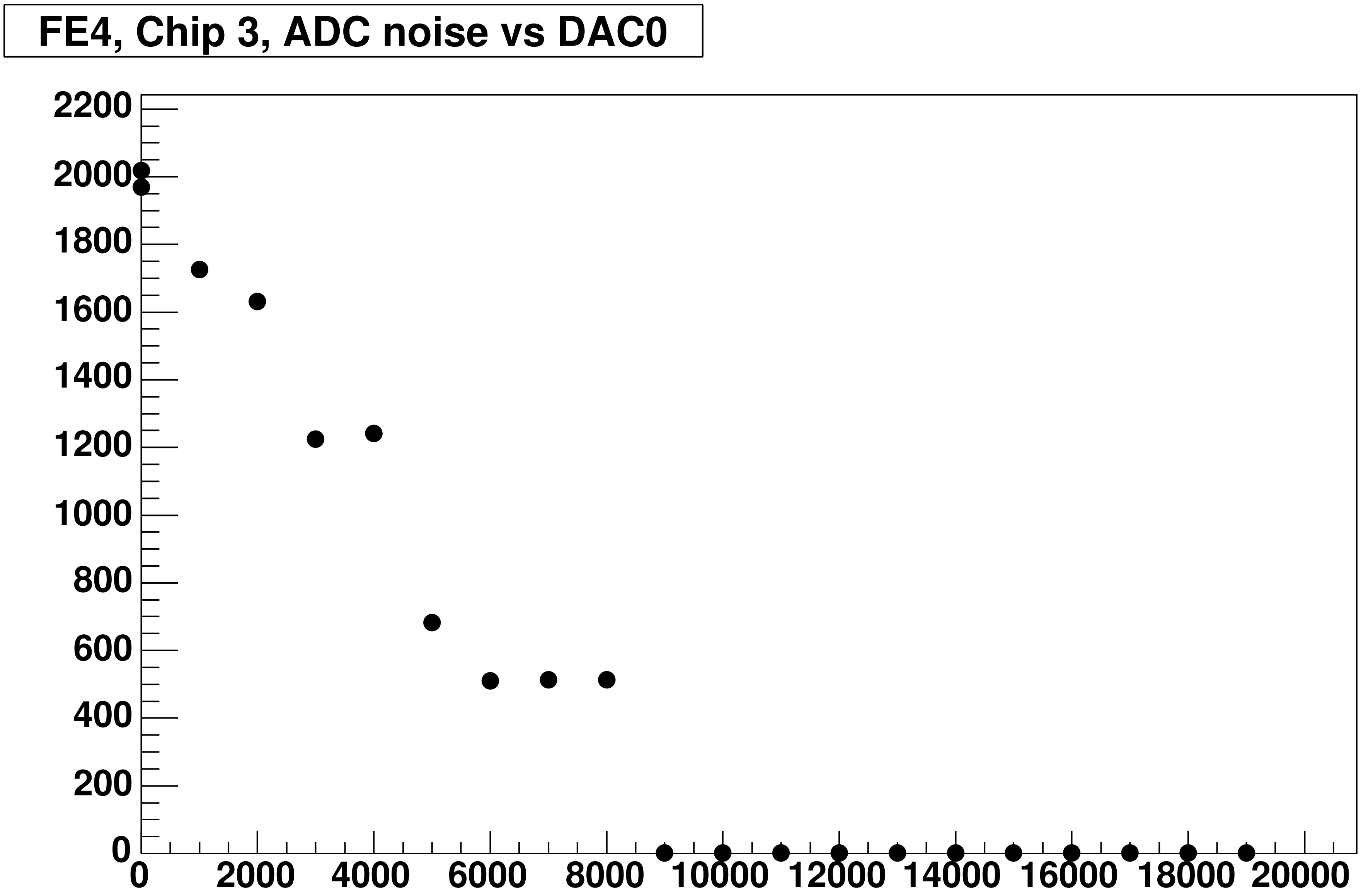


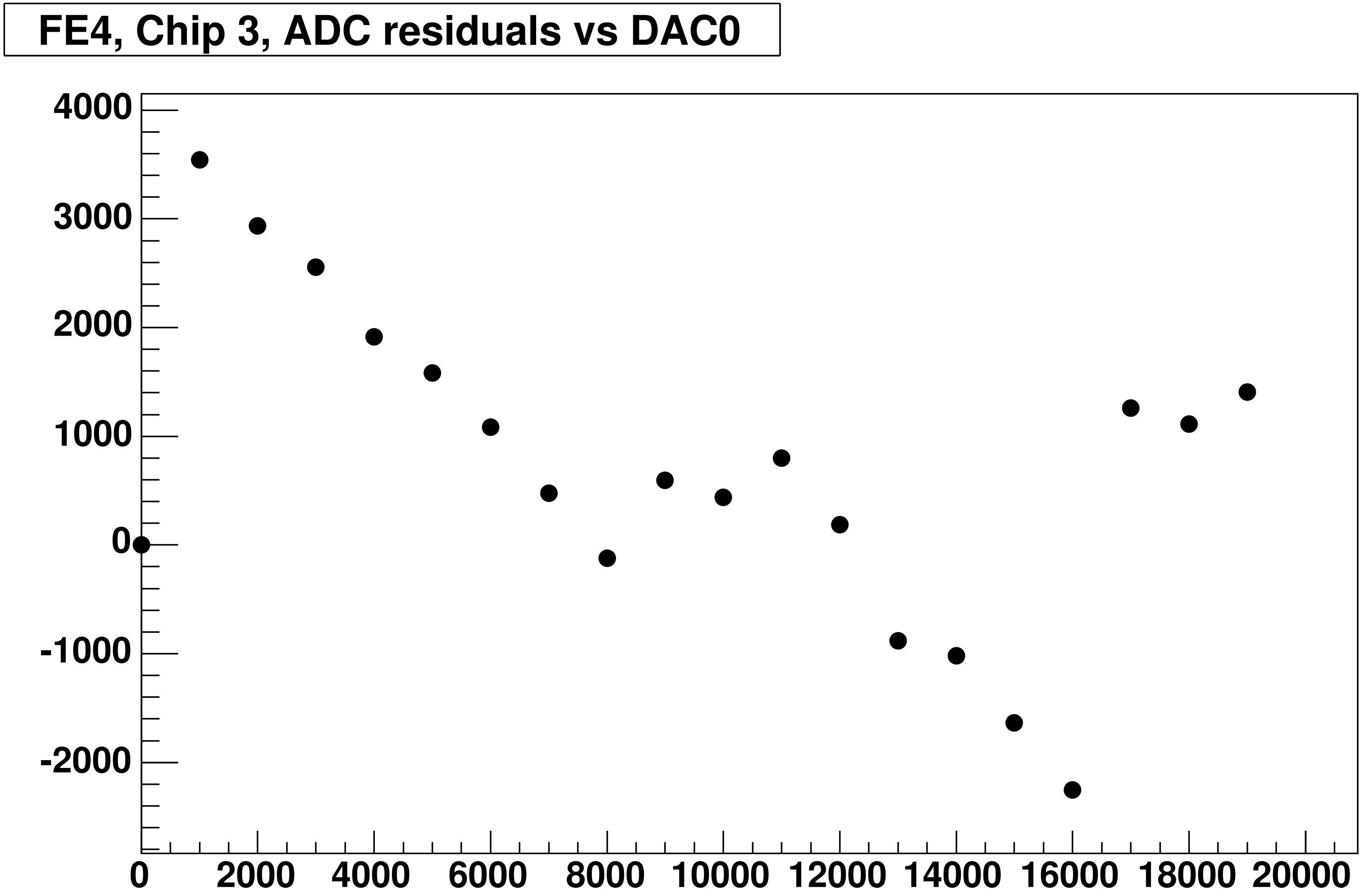
FE4, Chip 2, ADC mean vs DAC1
χ^2 / ndf 93.16 / 17
p0 3925 ± 14.05
p1 4.814e-05 ± 0.001225
4100
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

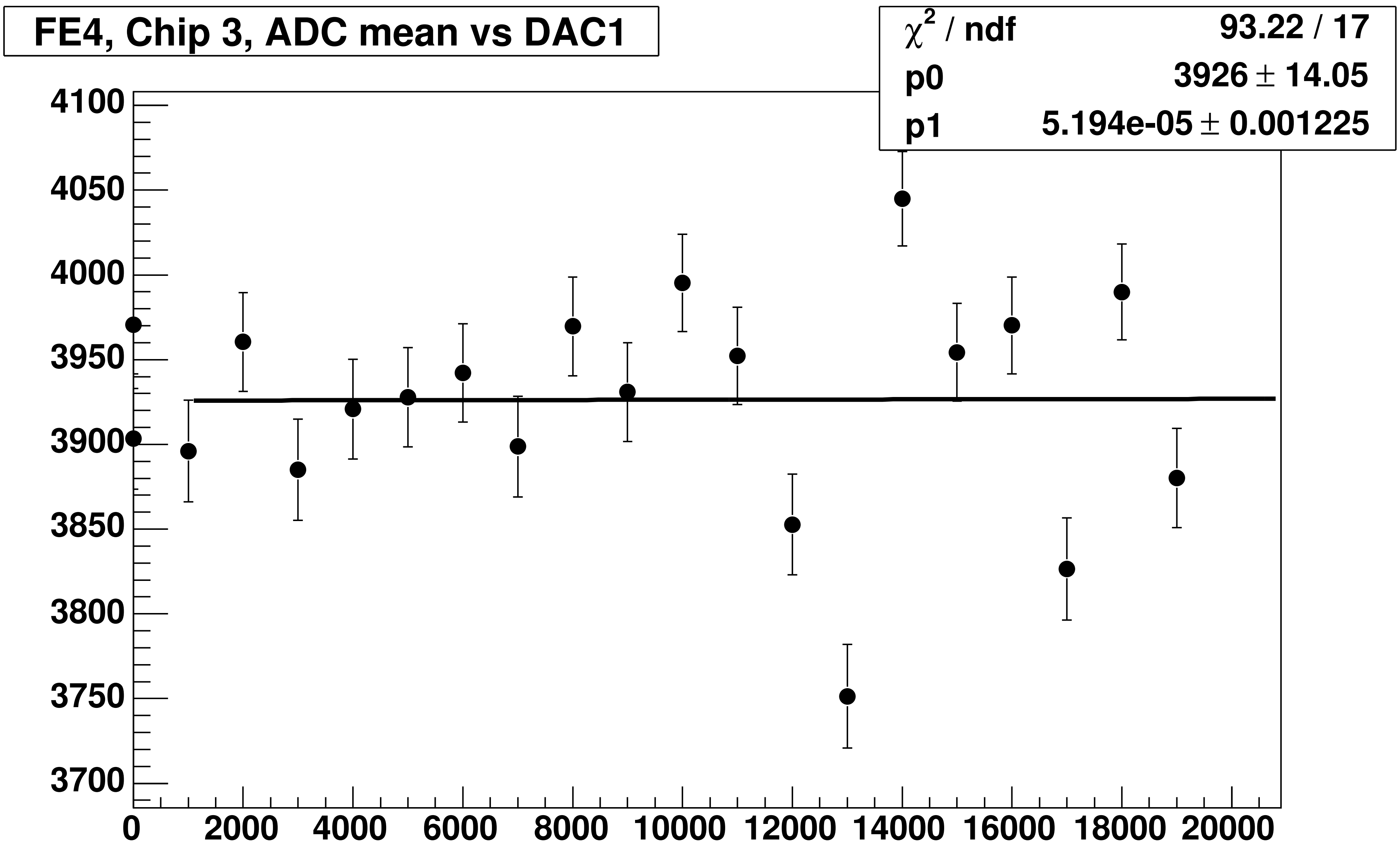

FE4, Chip 2, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

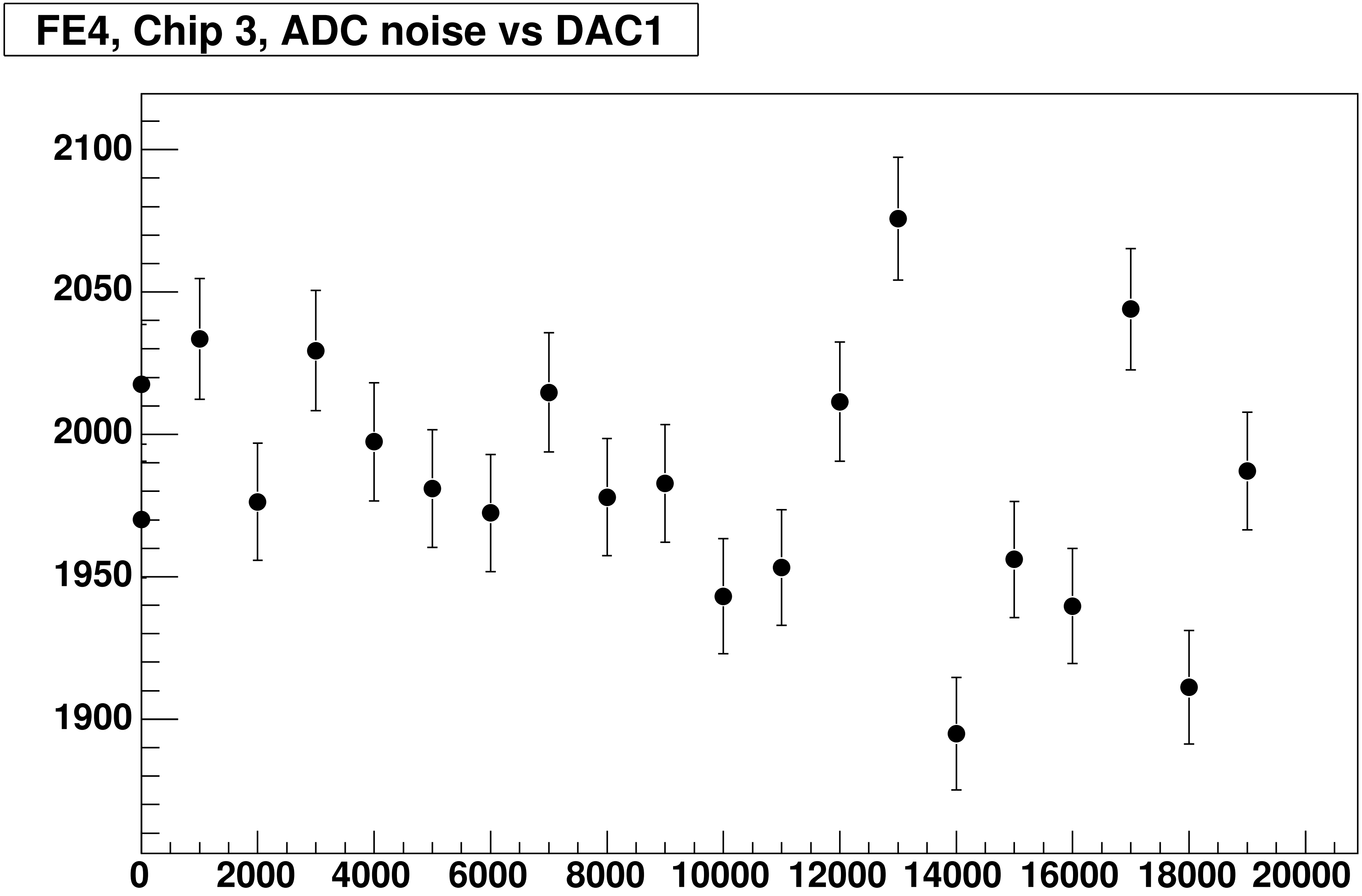

FE4, Chip 2, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 3, ADC mean vs DAC0
χ^2 / ndf 2.589e+10 / 17
p0 -22.24 ± 0.03181
p1 0.6052 ± 2.262e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

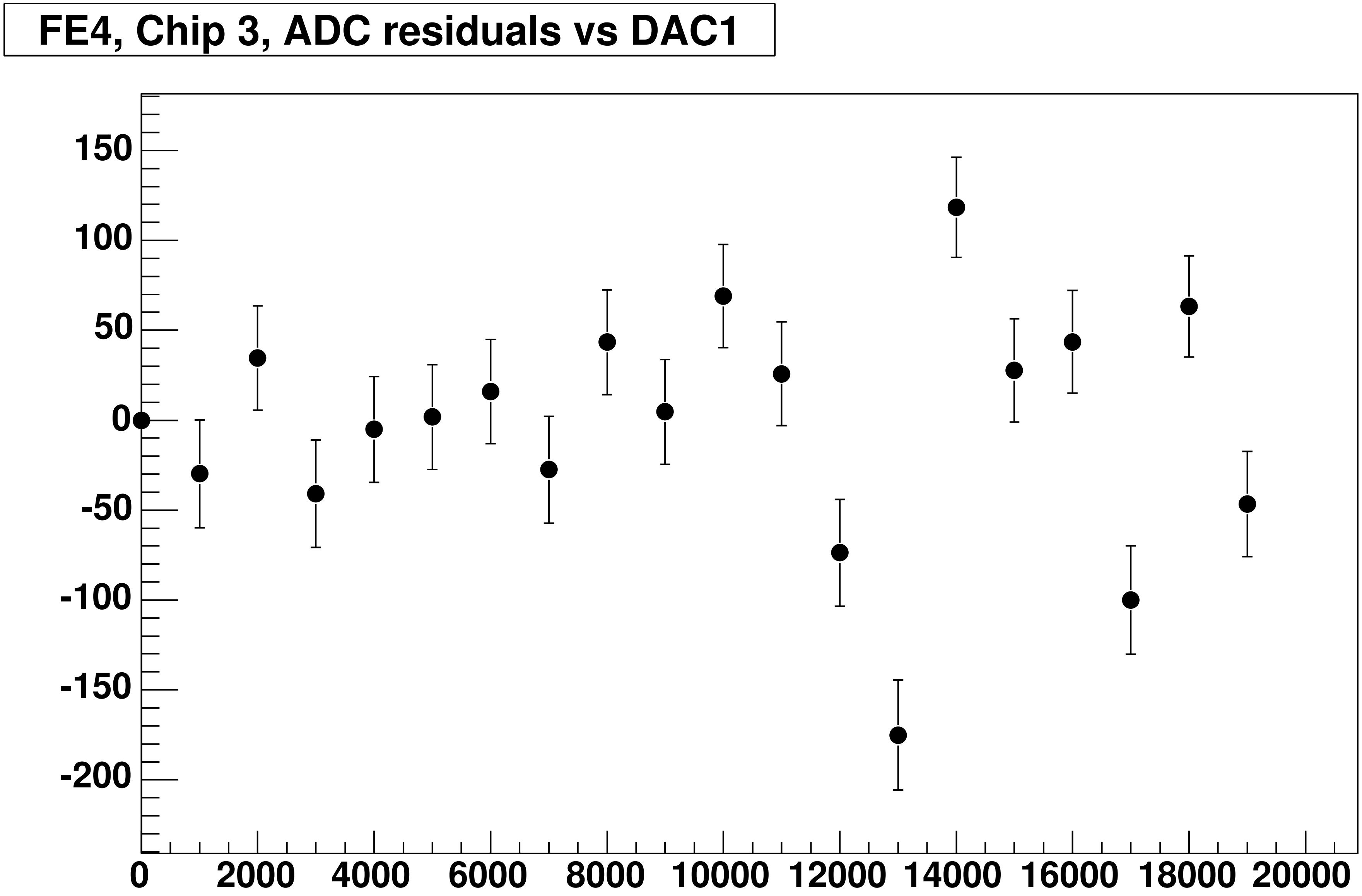

FE4, Chip 3, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

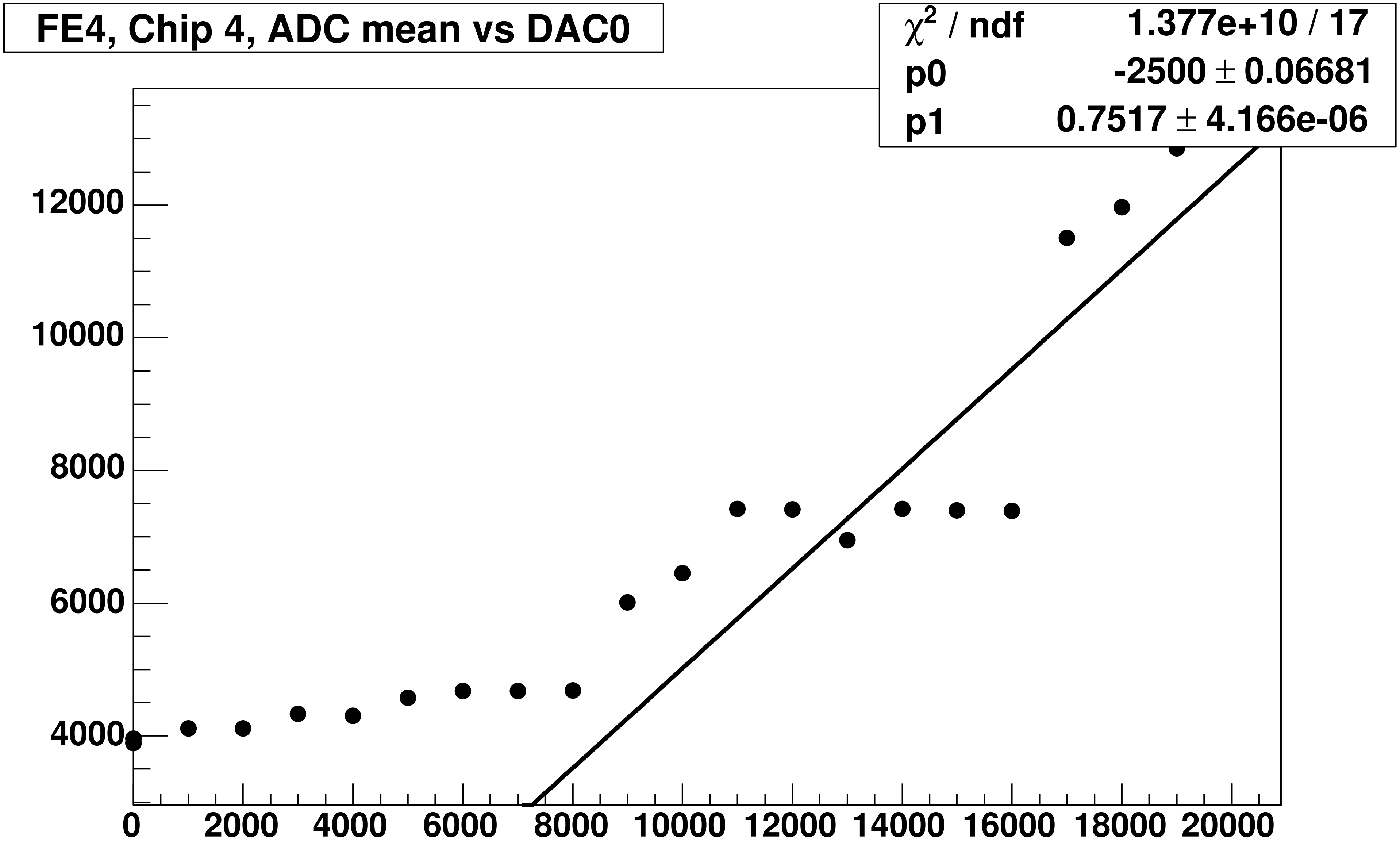

FE4, Chip 3, ADC mean vs DAC1
χ^2 / ndf 93.22 / 17
p0 3926 ± 14.05
p1 5.194e-05 ± 0.001225
4100
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



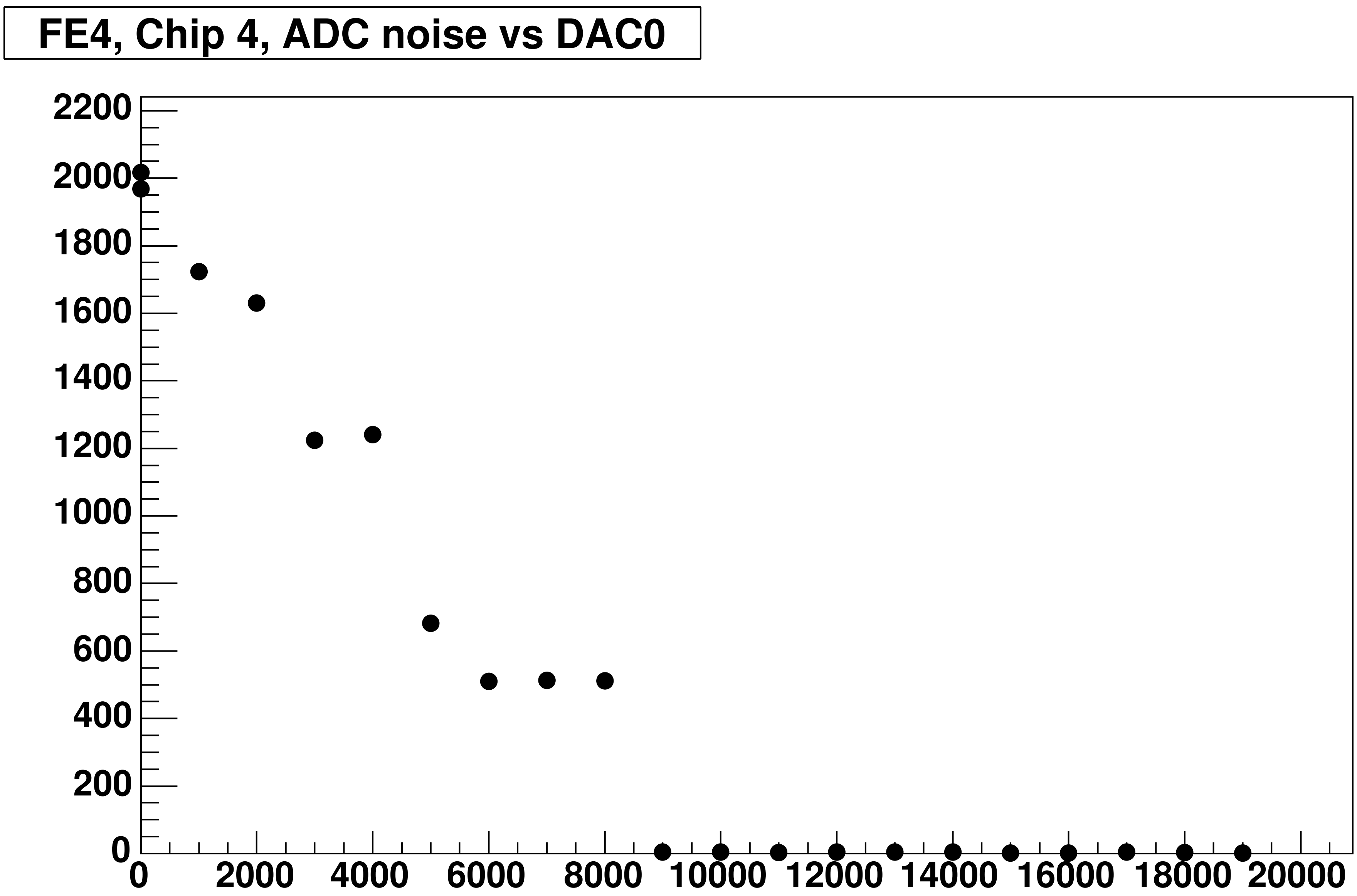
FE4, Chip 3, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

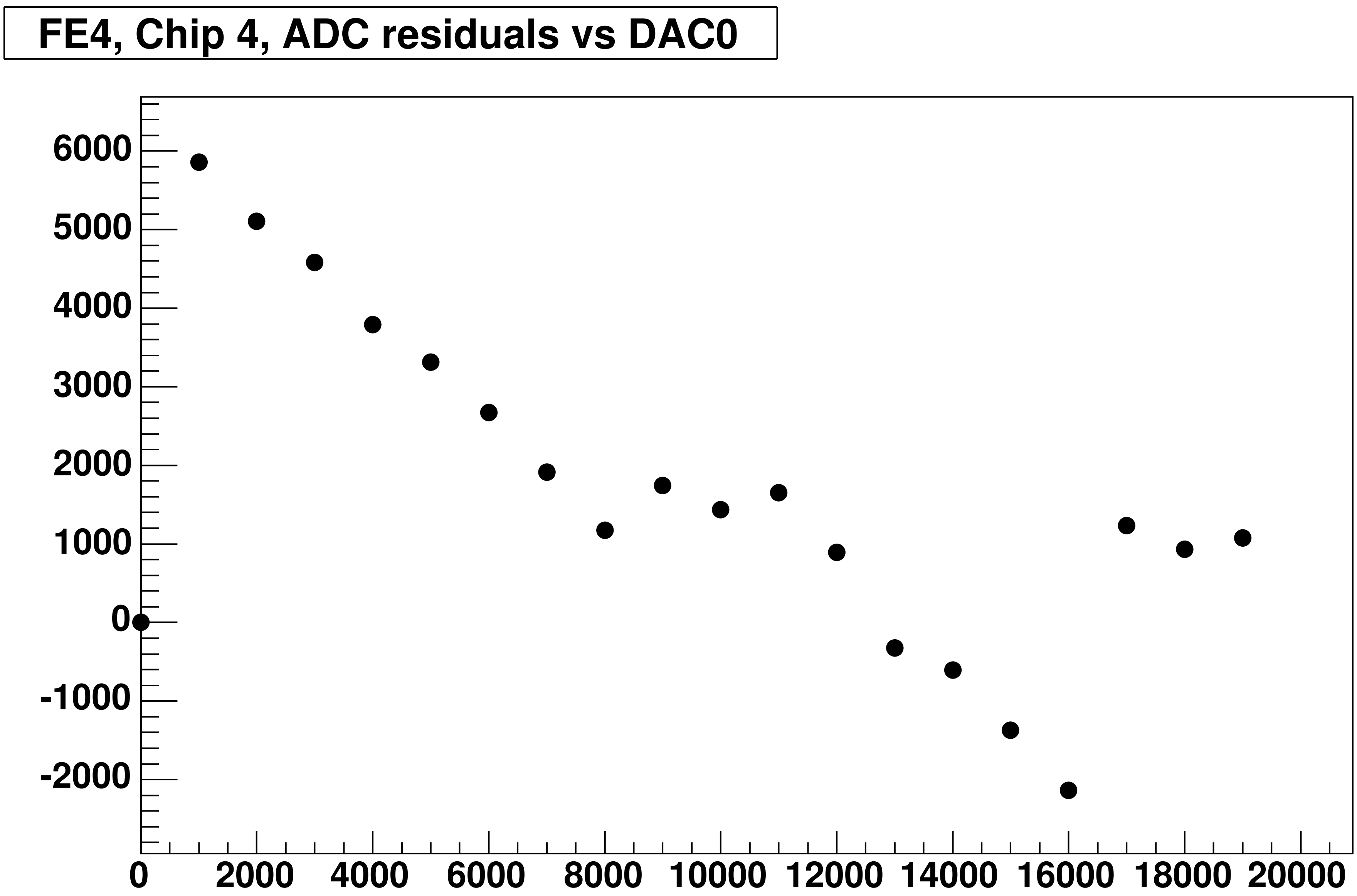


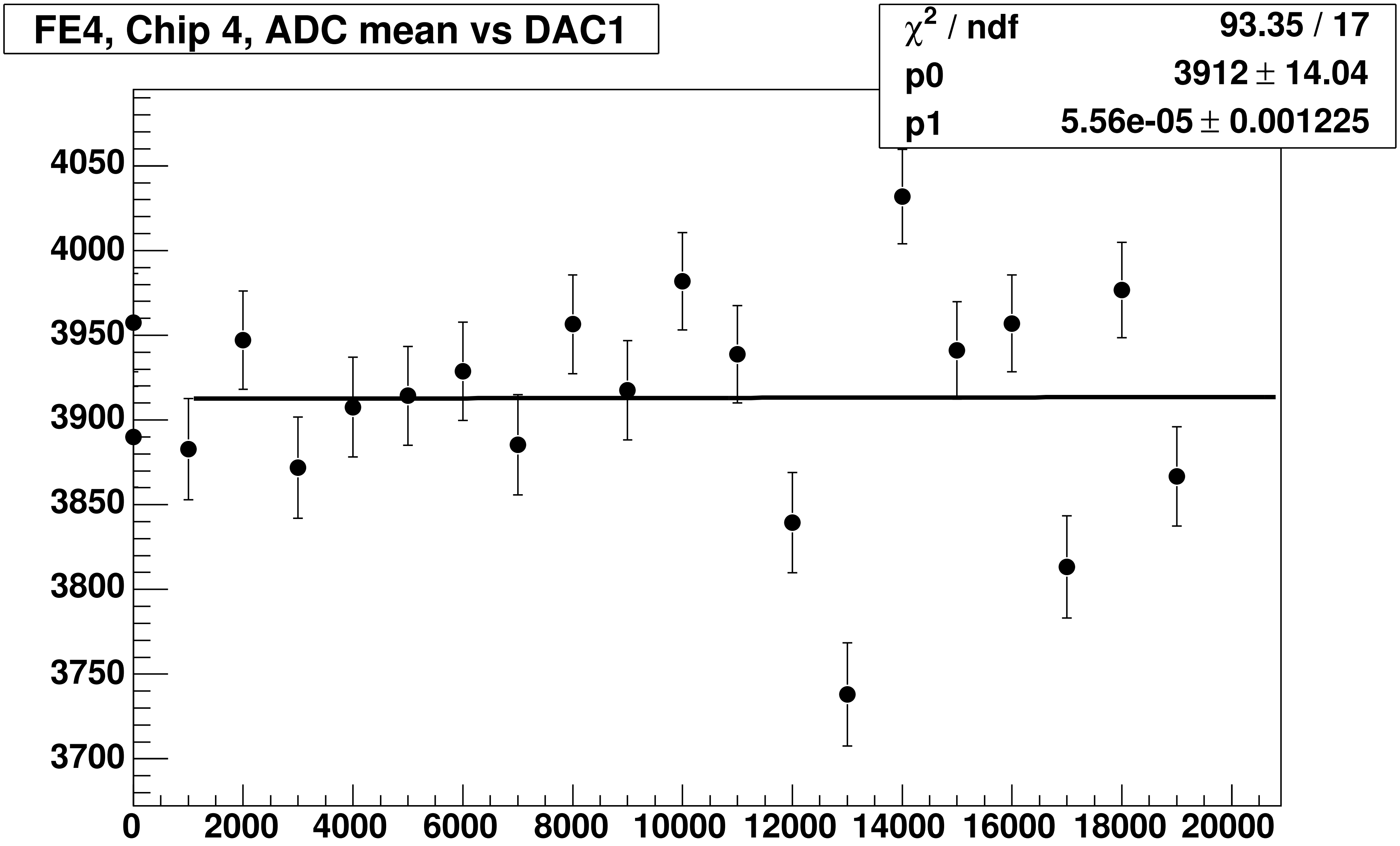
FE4, Chip 3, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

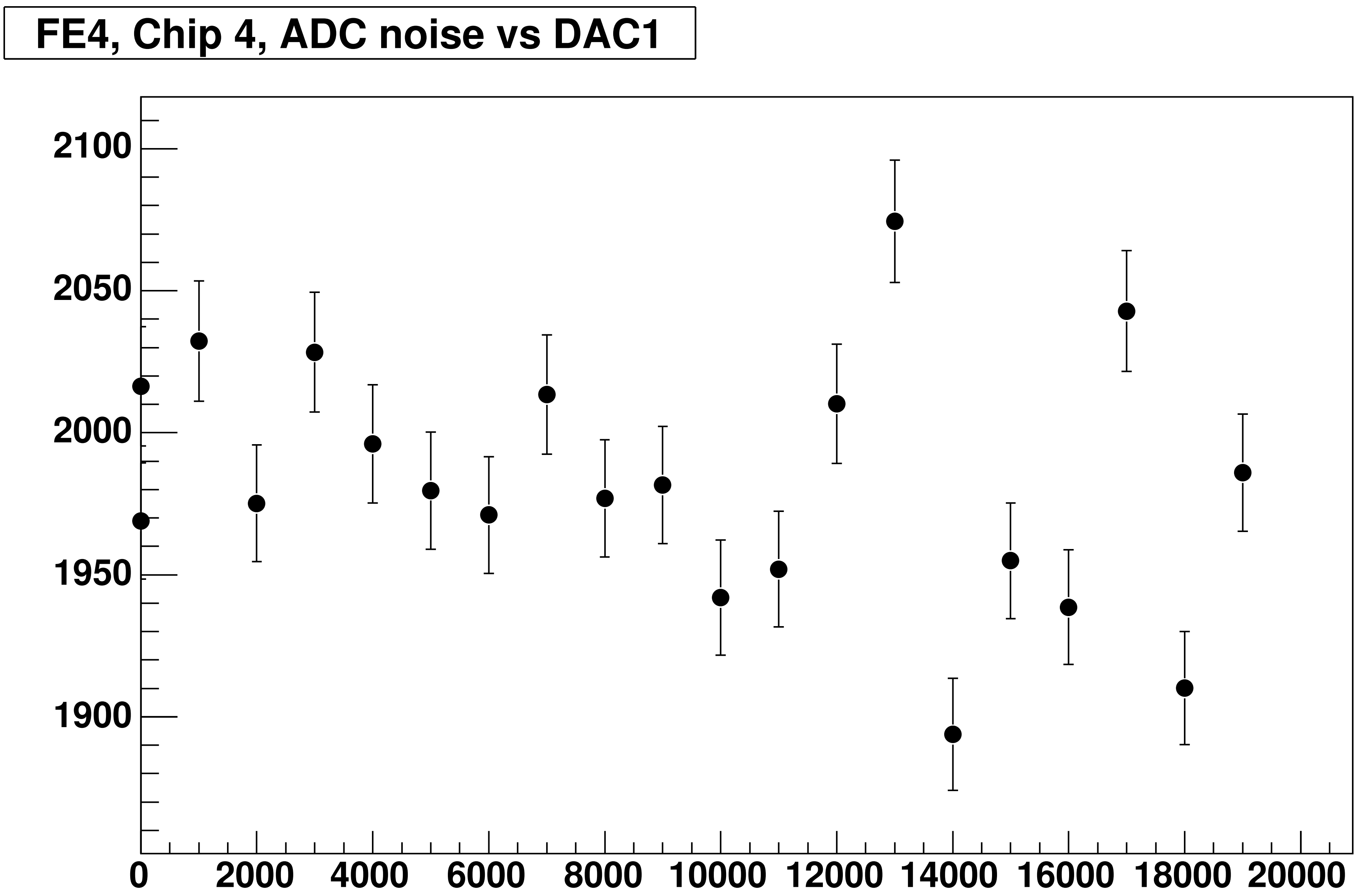


FE4, Chip 4, ADC mean vs DAC0
χ^2 / ndf 1.377e+10 / 17
p0 -2500 ± 0.06681
p1 0.7517 ± 4.166e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

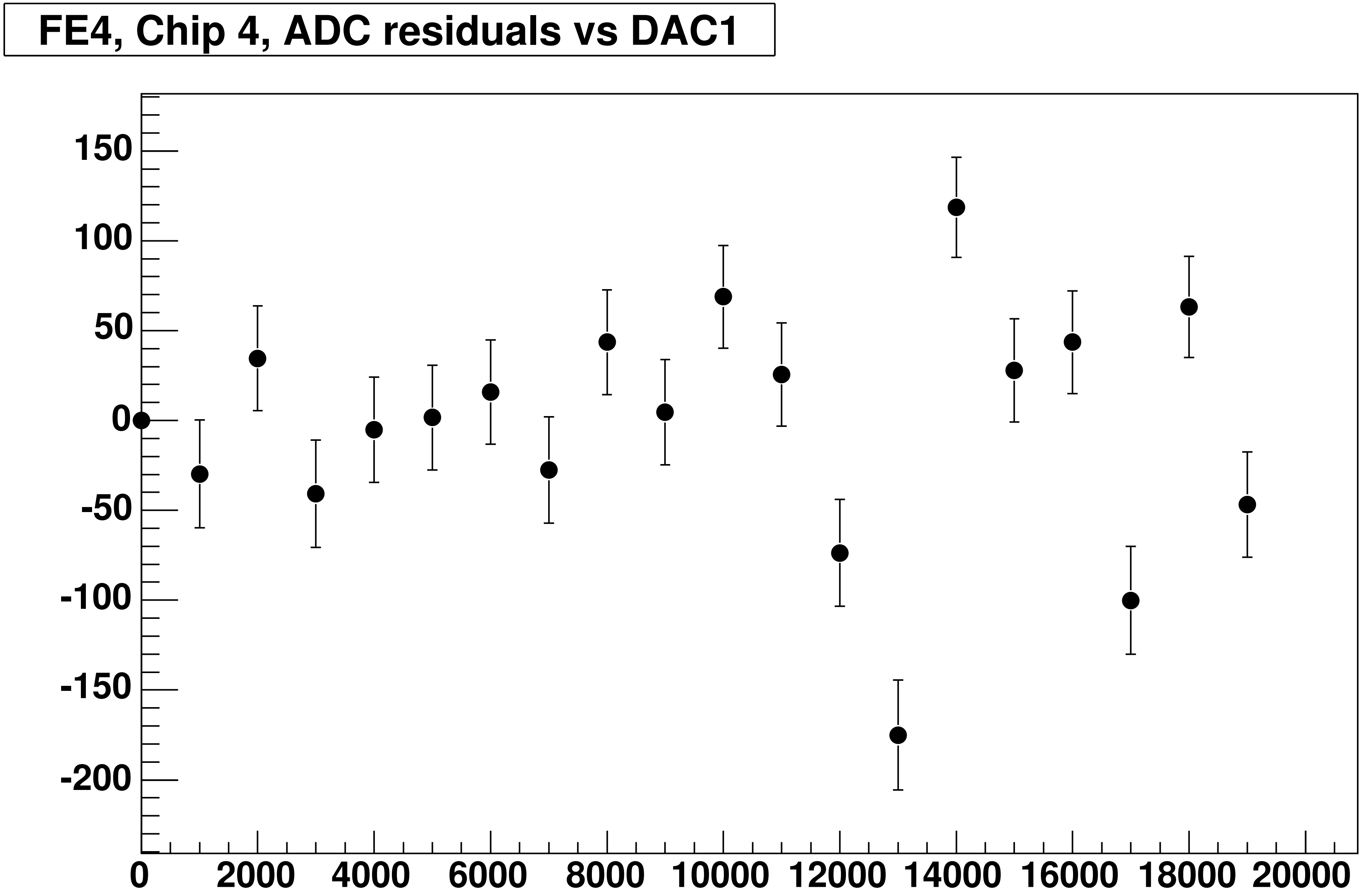

FE4, Chip 4, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 4, ADC residuals vs DAC0
6000
5000
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

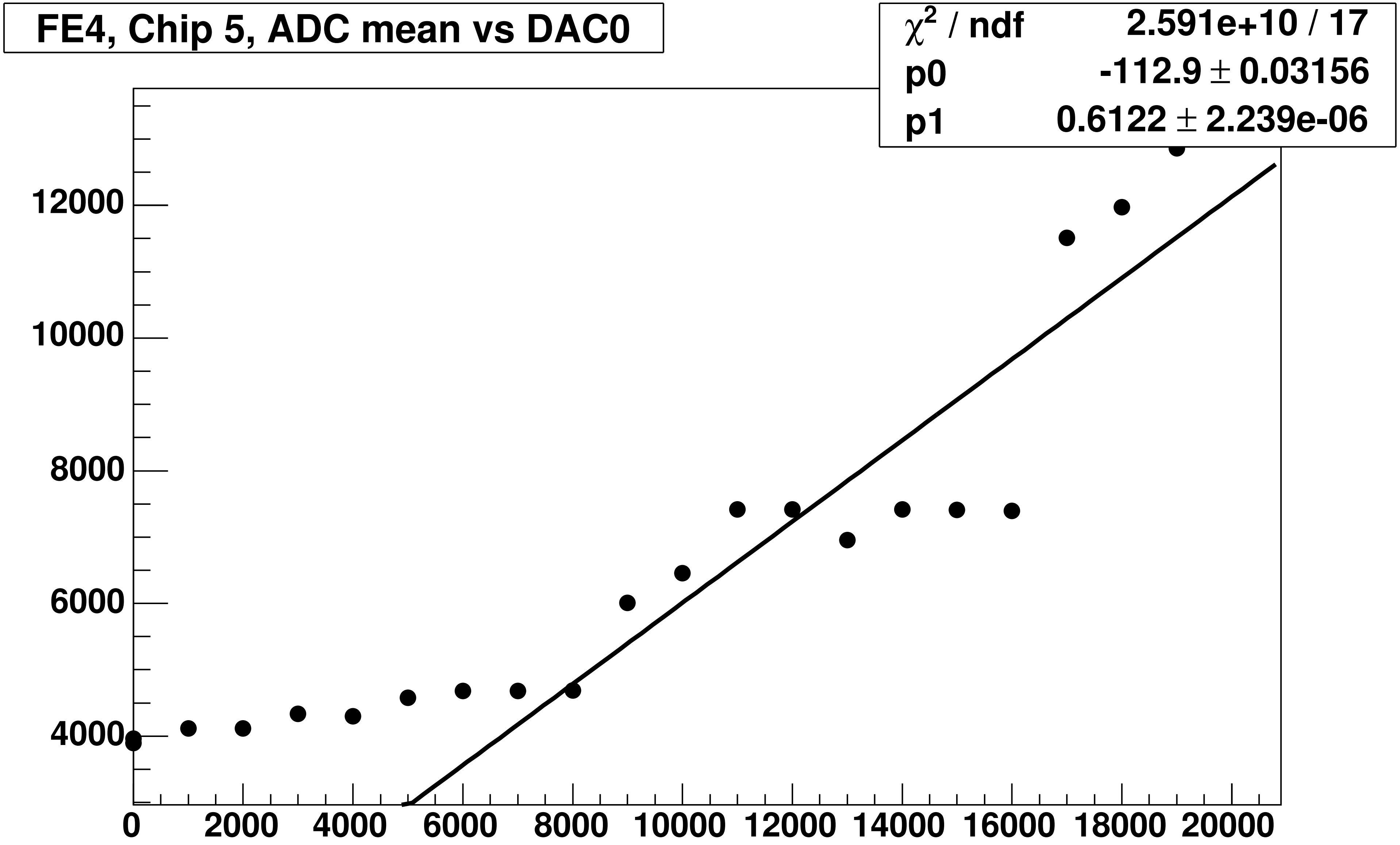

FE4, Chip 4, ADC mean vs DAC1
χ^2 / ndf 93.35 / 17
p0 3912 ± 14.04
p1 5.56e-05 ± 0.001225
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



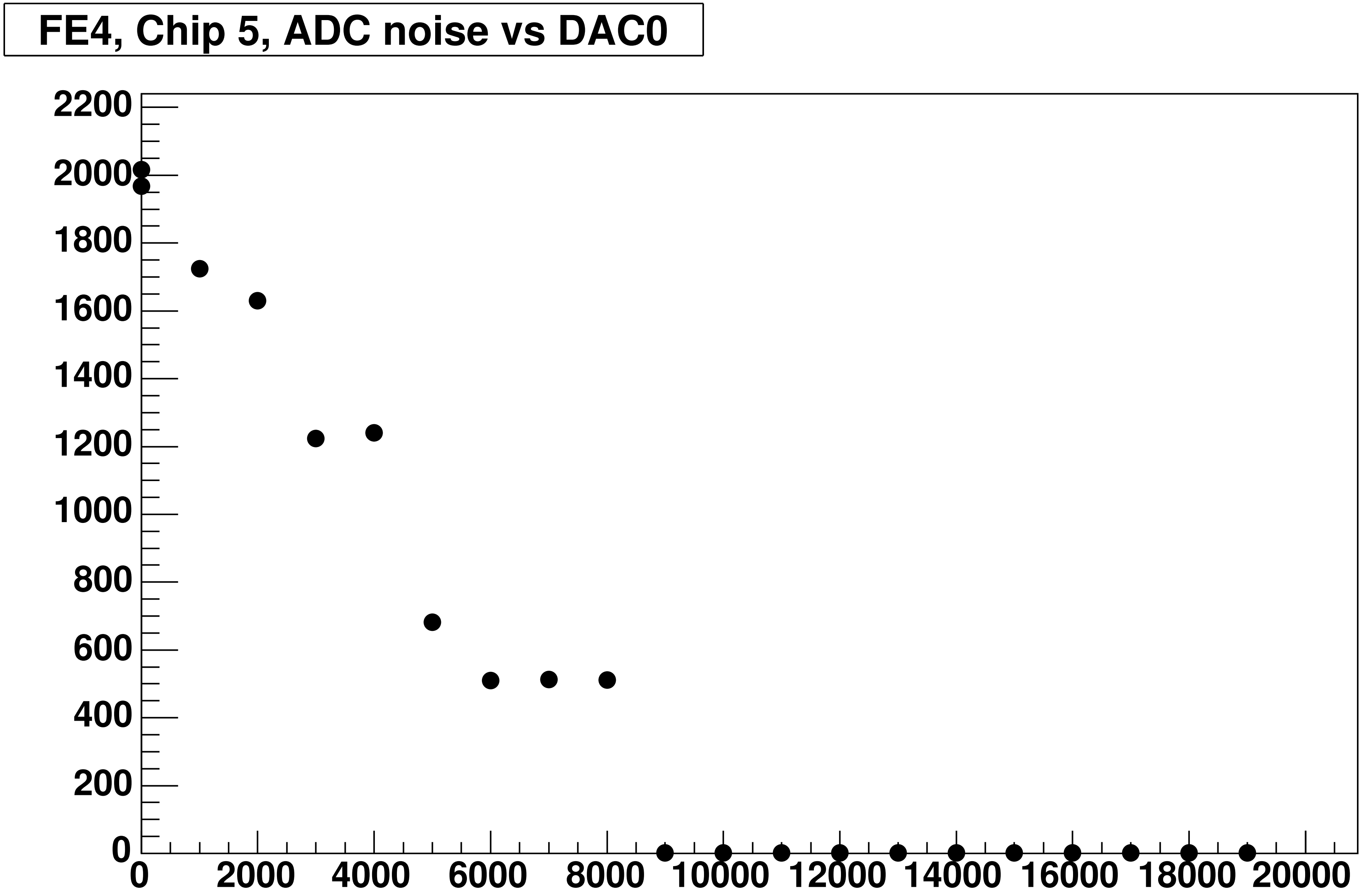
FE4, Chip 4, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



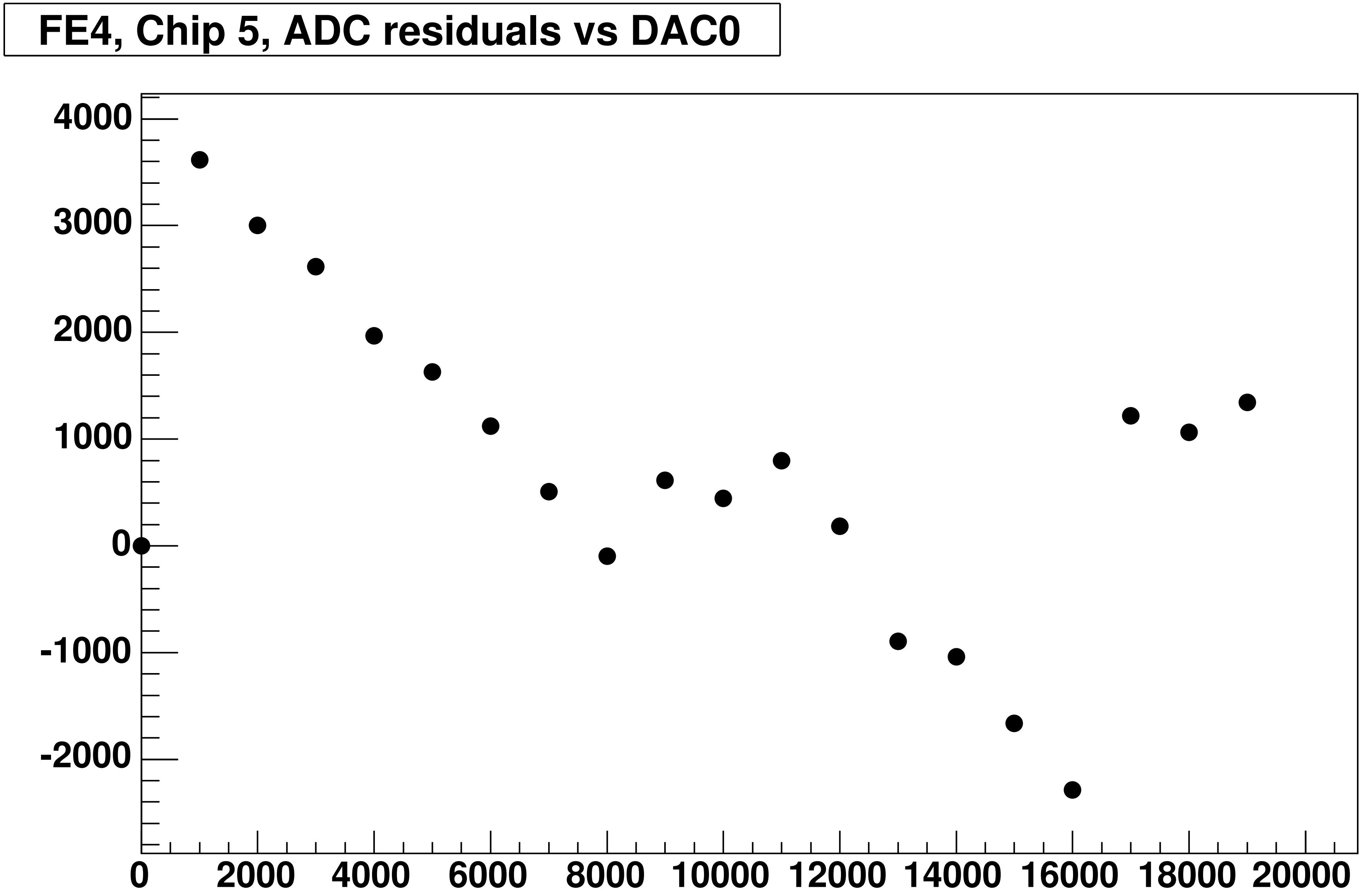
FE4, Chip 4, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

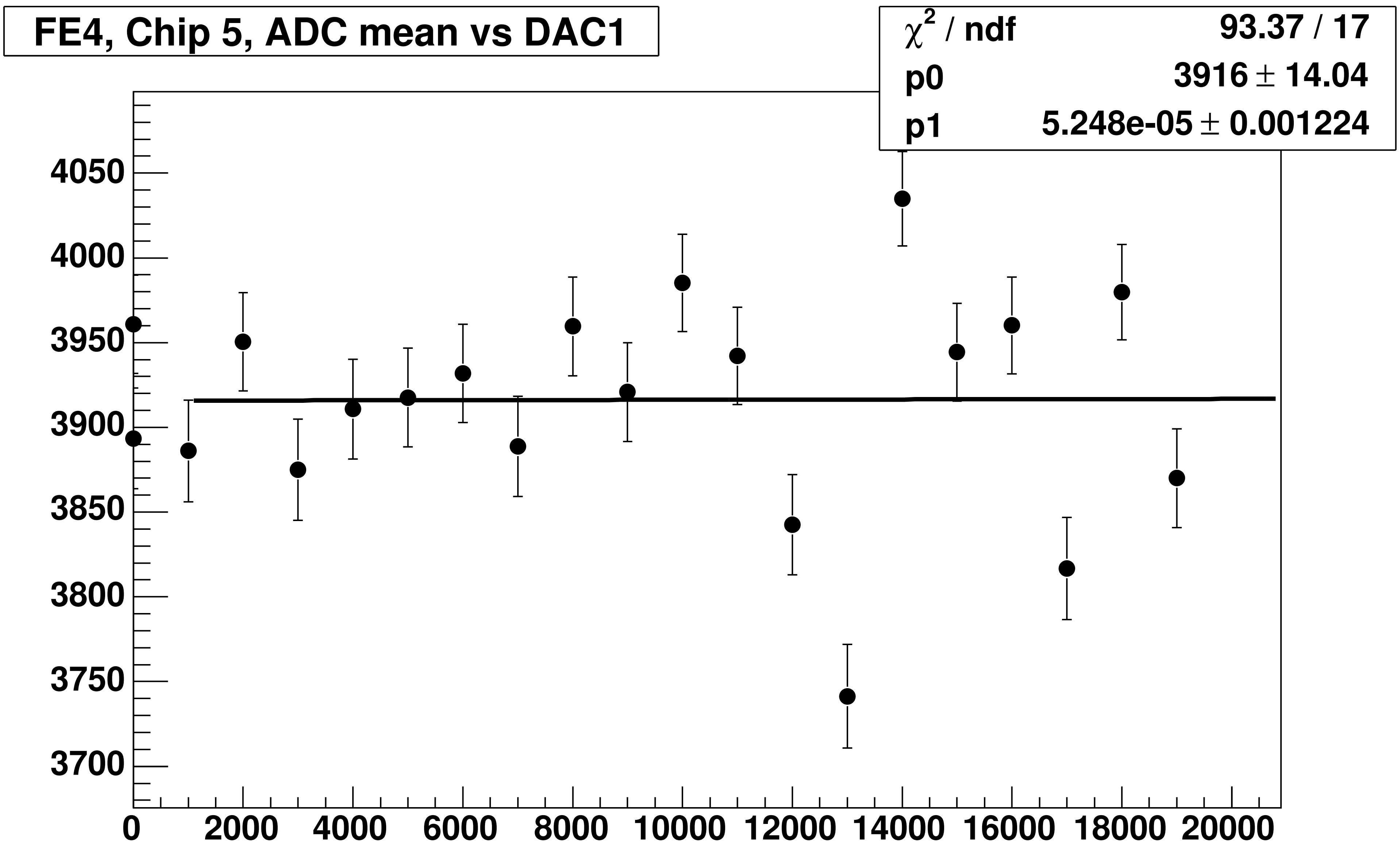


FE4, Chip 5, ADC mean vs DAC0
χ^2 / ndf 2.591e+10 / 17
p0 -112.9 ± 0.03156
p1 0.6122 ± 2.239e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

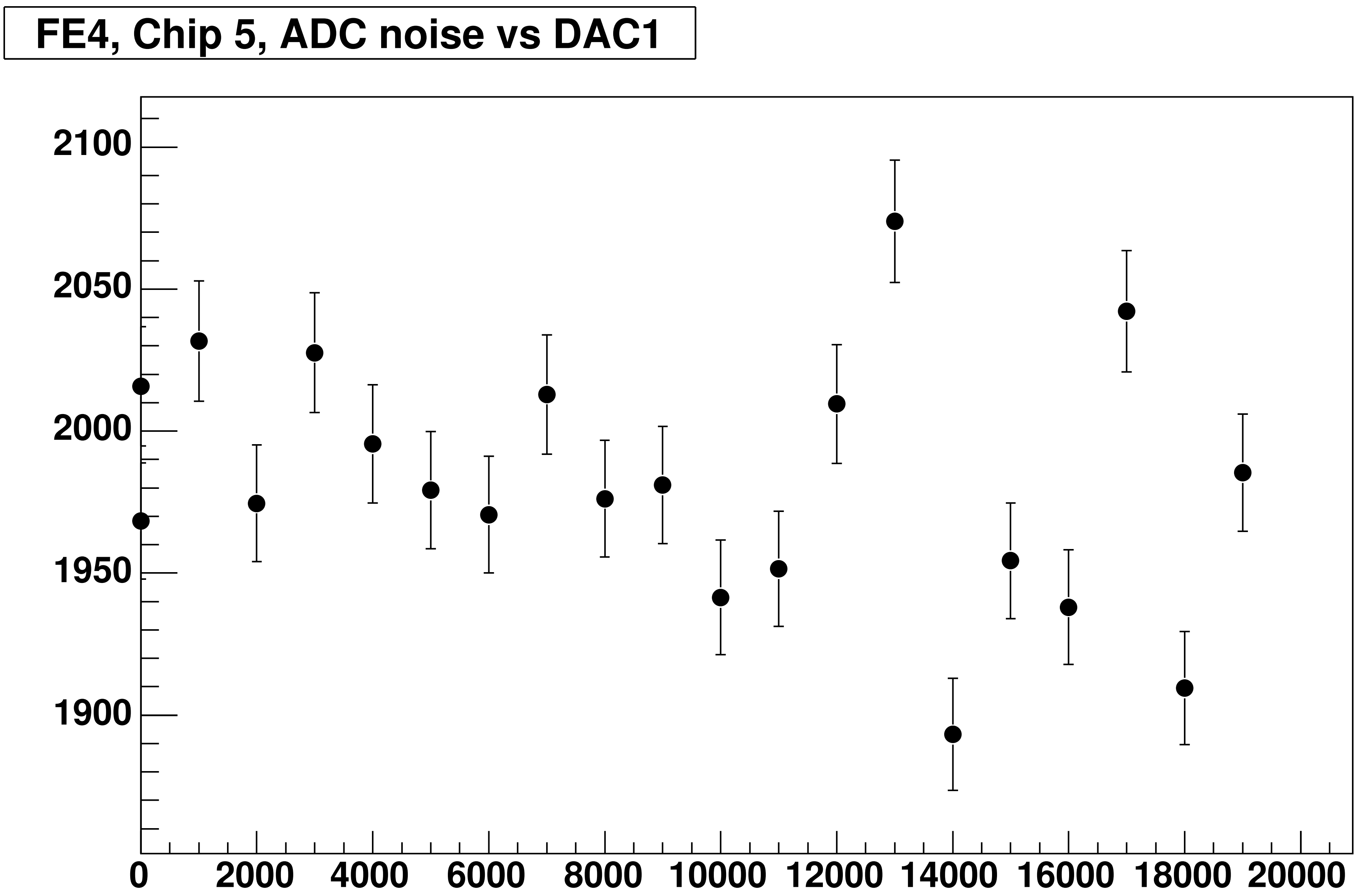


FE4, Chip 5, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

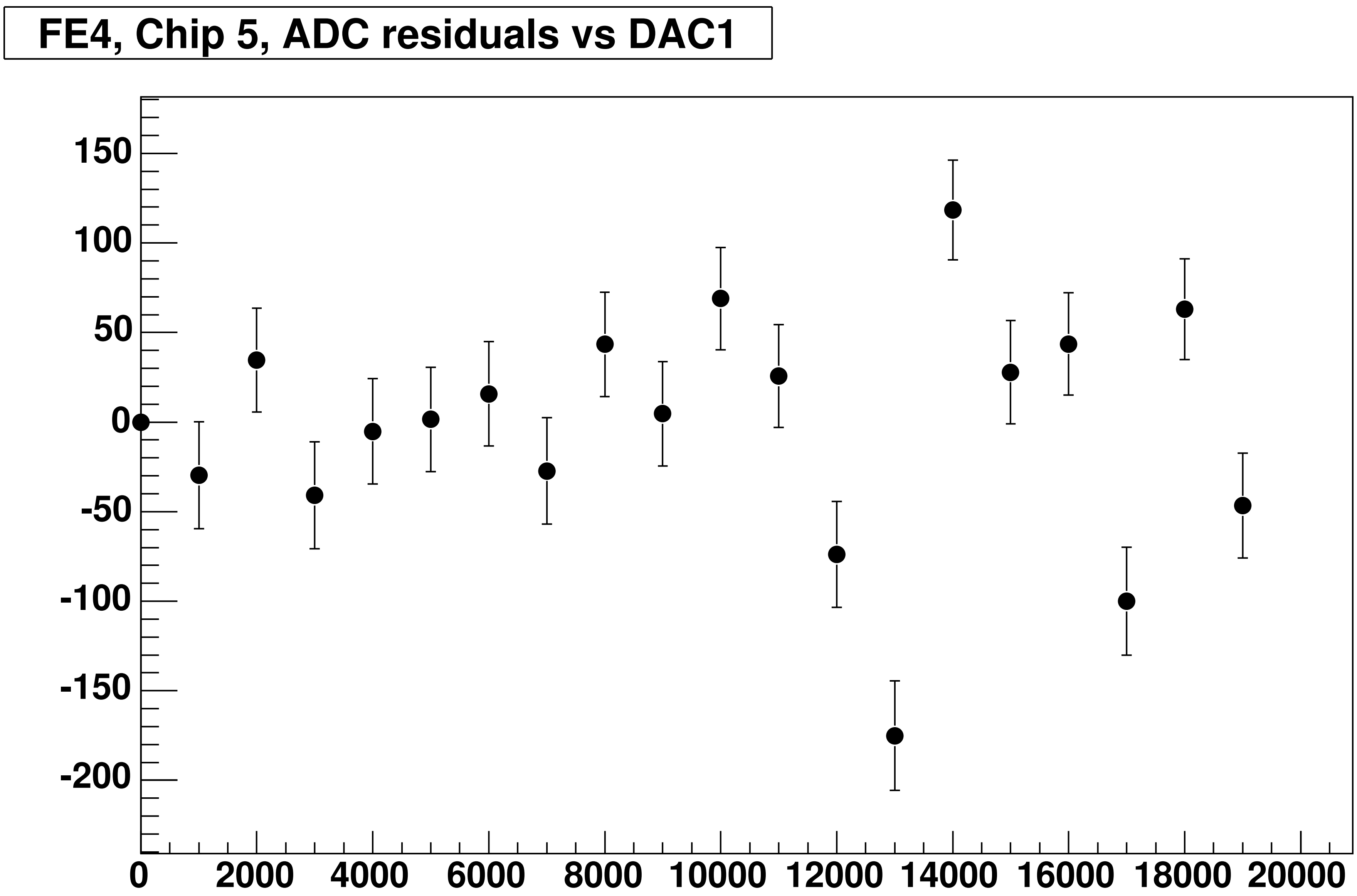

FE4, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

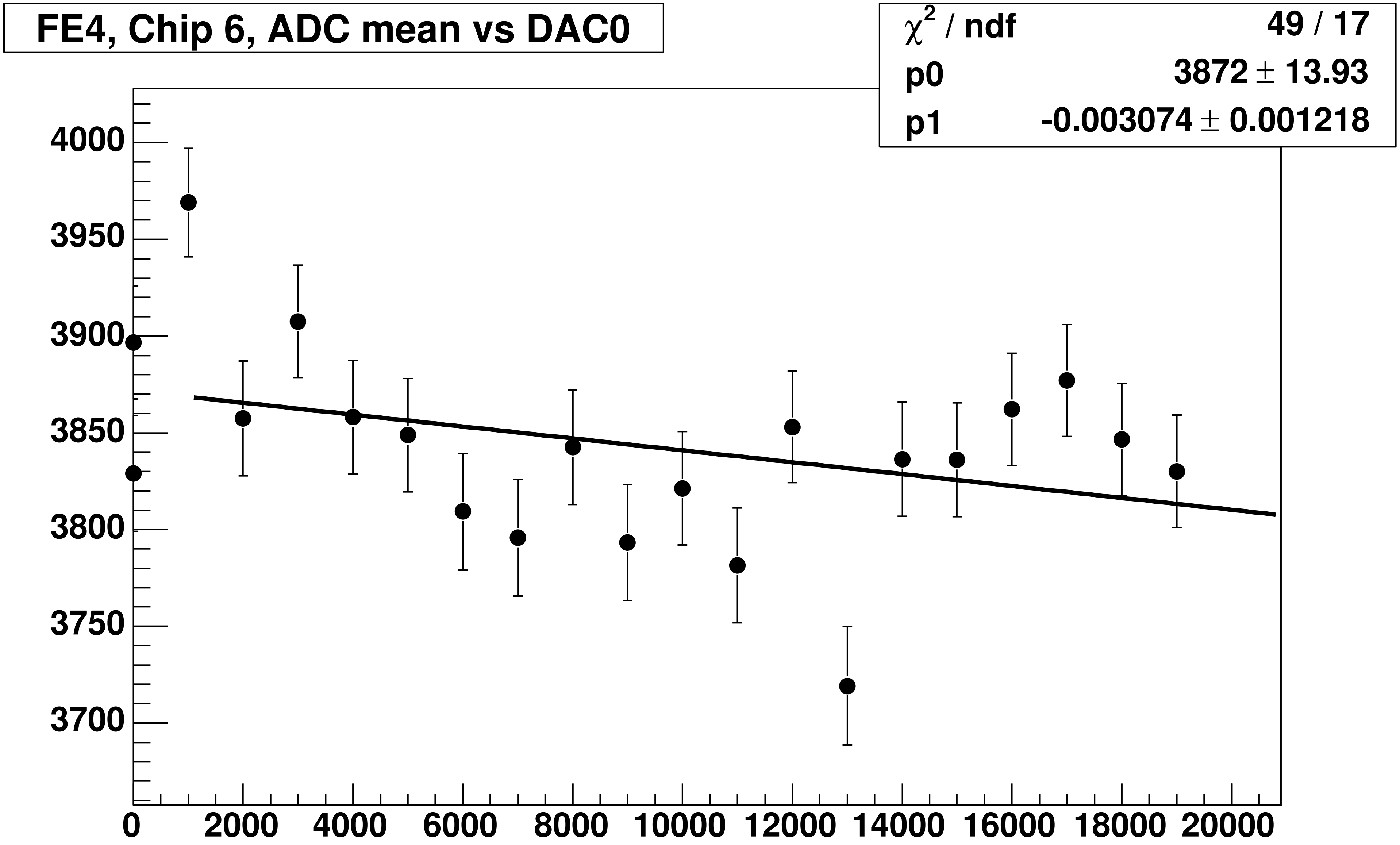


FE4, Chip 5, ADC mean vs DAC1
χ^2 / ndf 93.37 / 17
p0 3916 ± 14.04
p1 5.248e-05 ± 0.001224
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

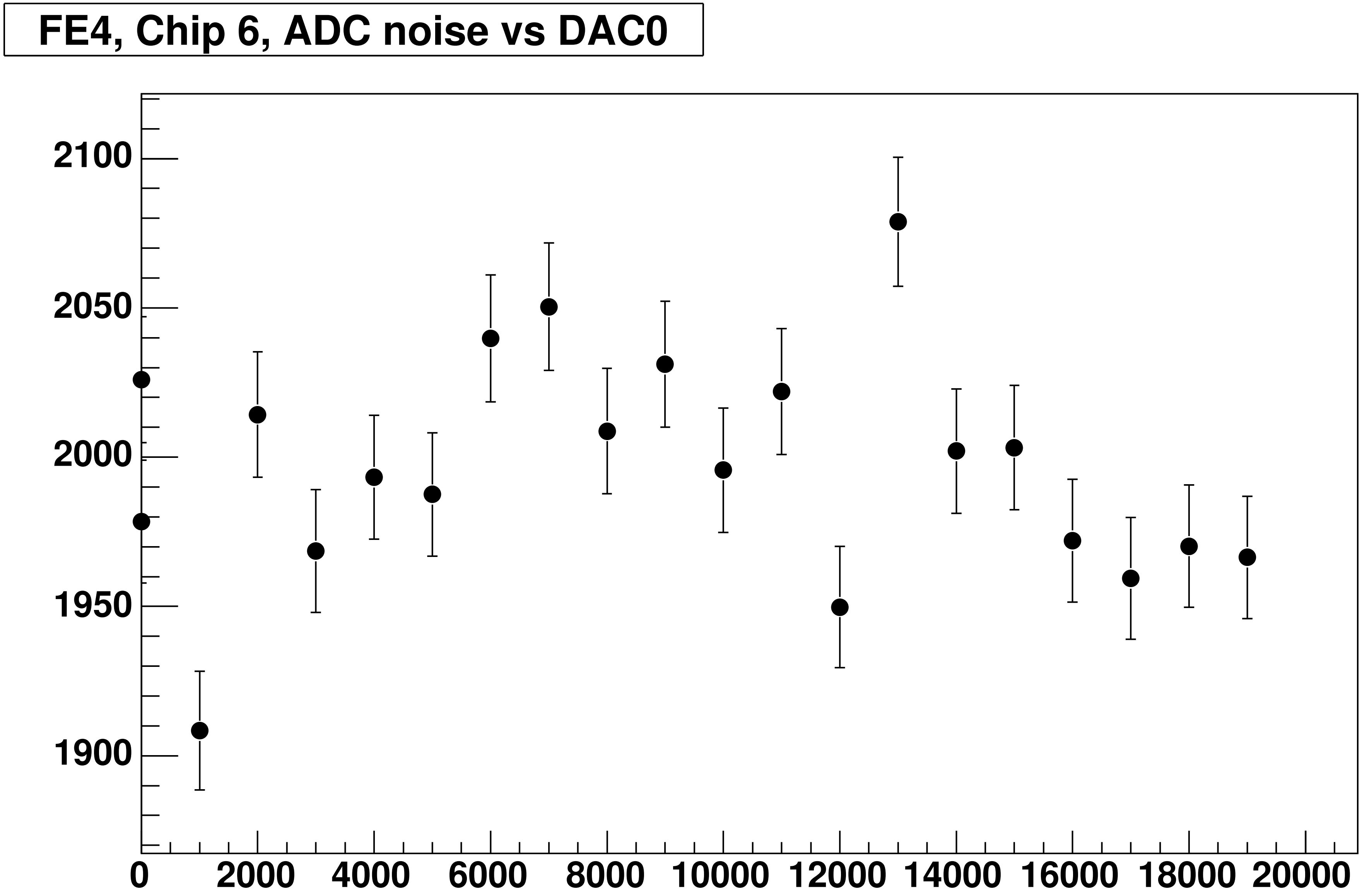


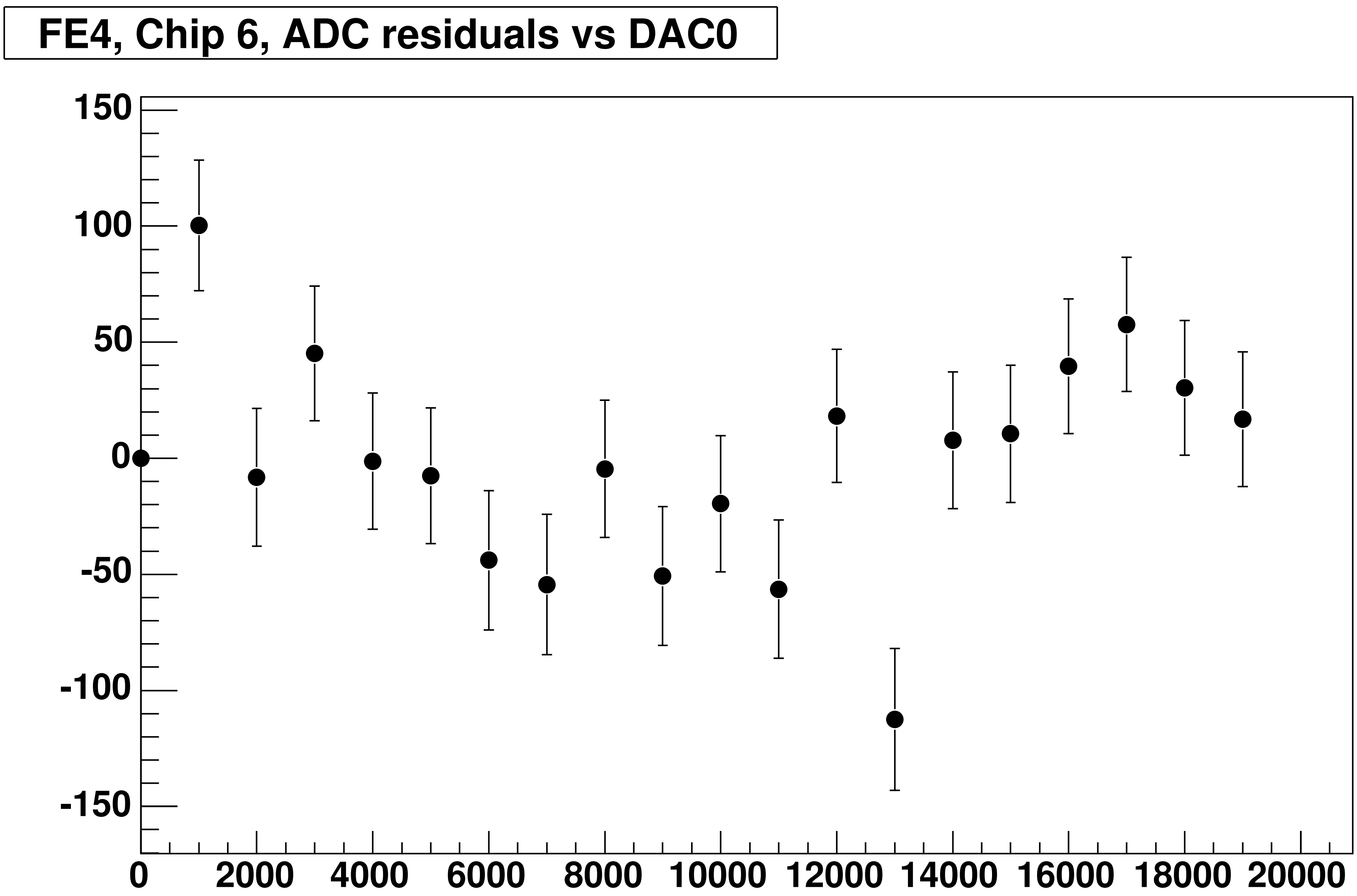
FE4, Chip 5, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 5, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

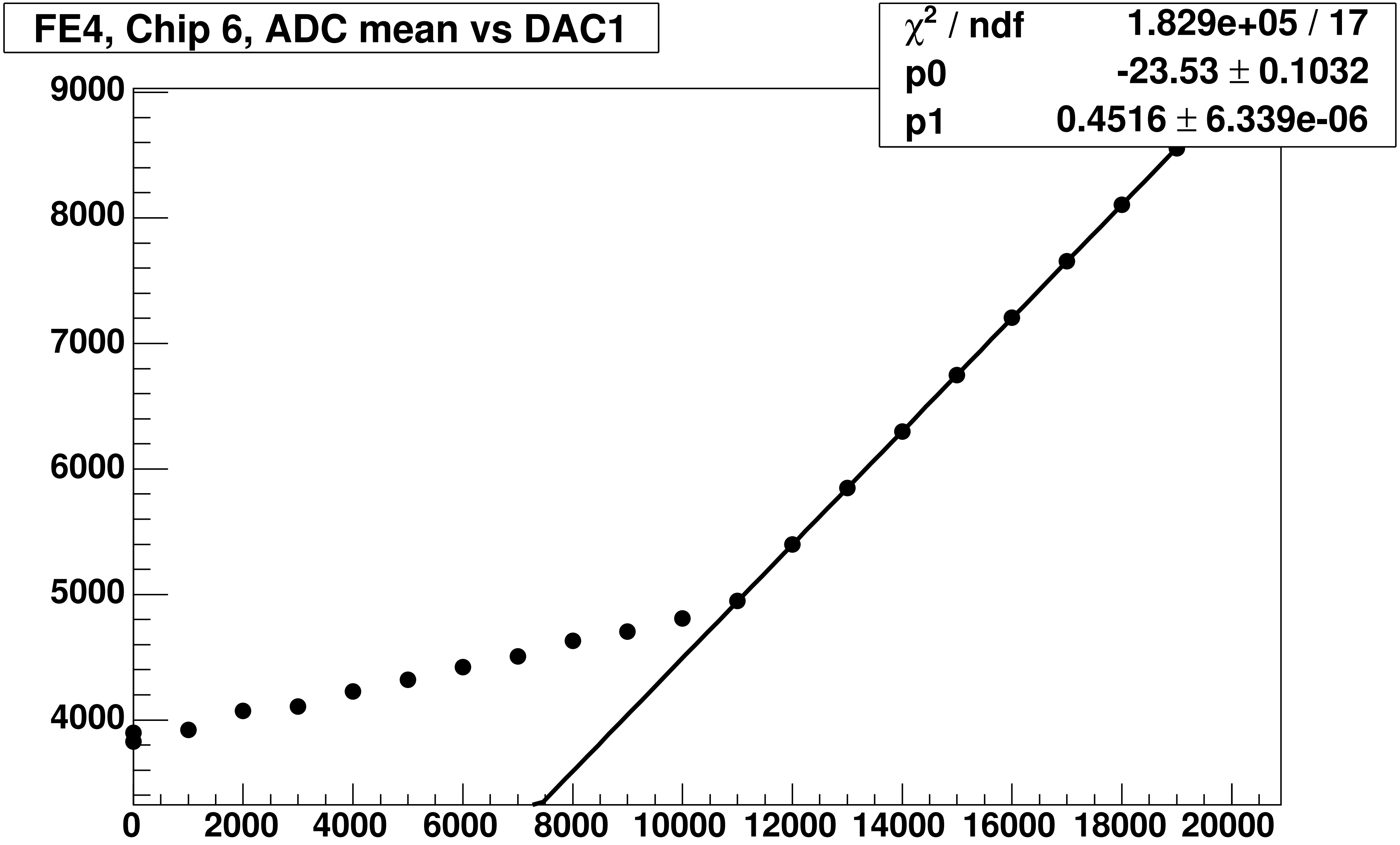


FE4, Chip 6, ADC mean vs DAC0
χ² / ndf 49 / 17
p0 3872 ± 13.93
p1 -0.003074 ± 0.001218
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

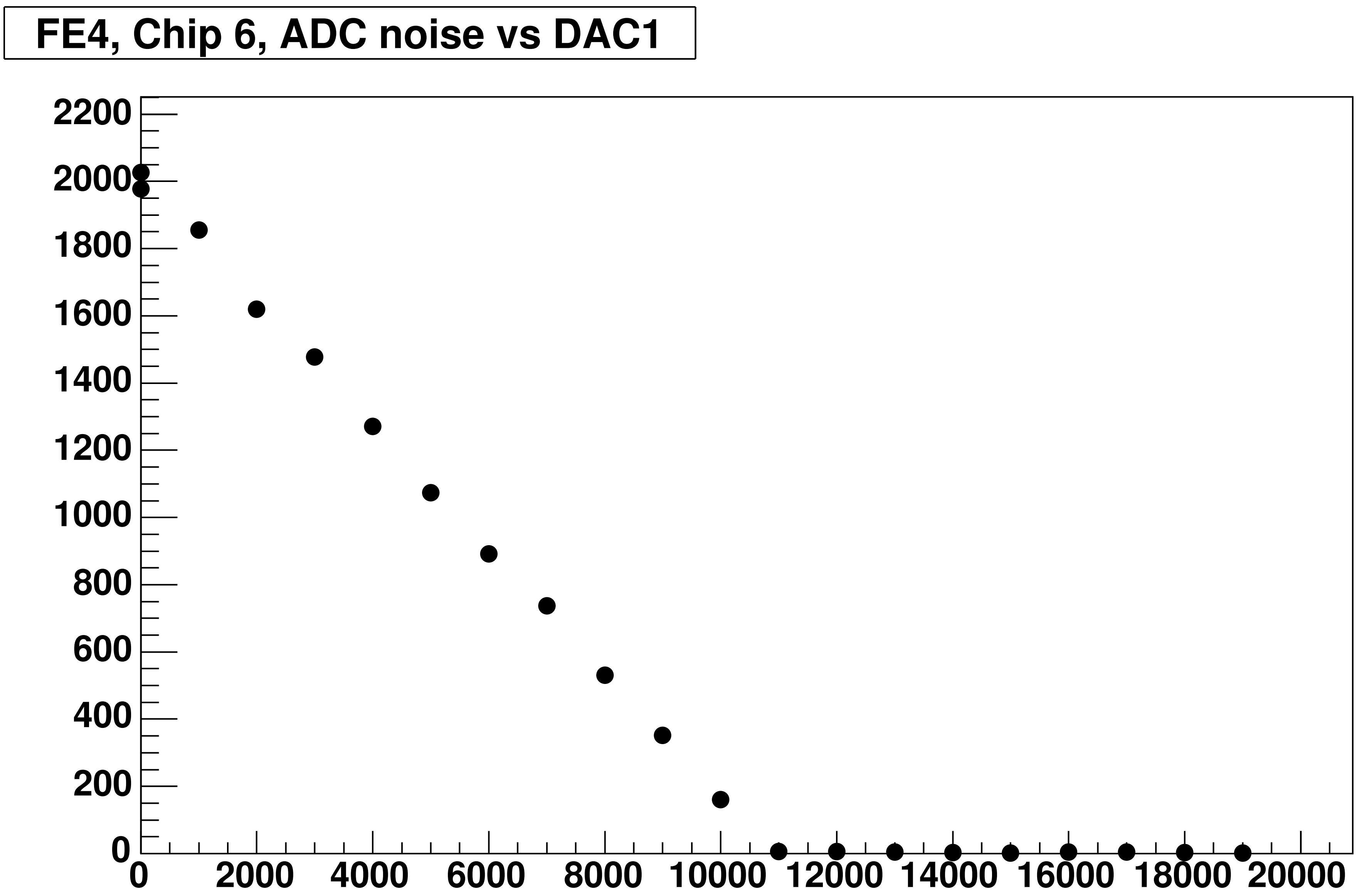

FE4, Chip 6, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

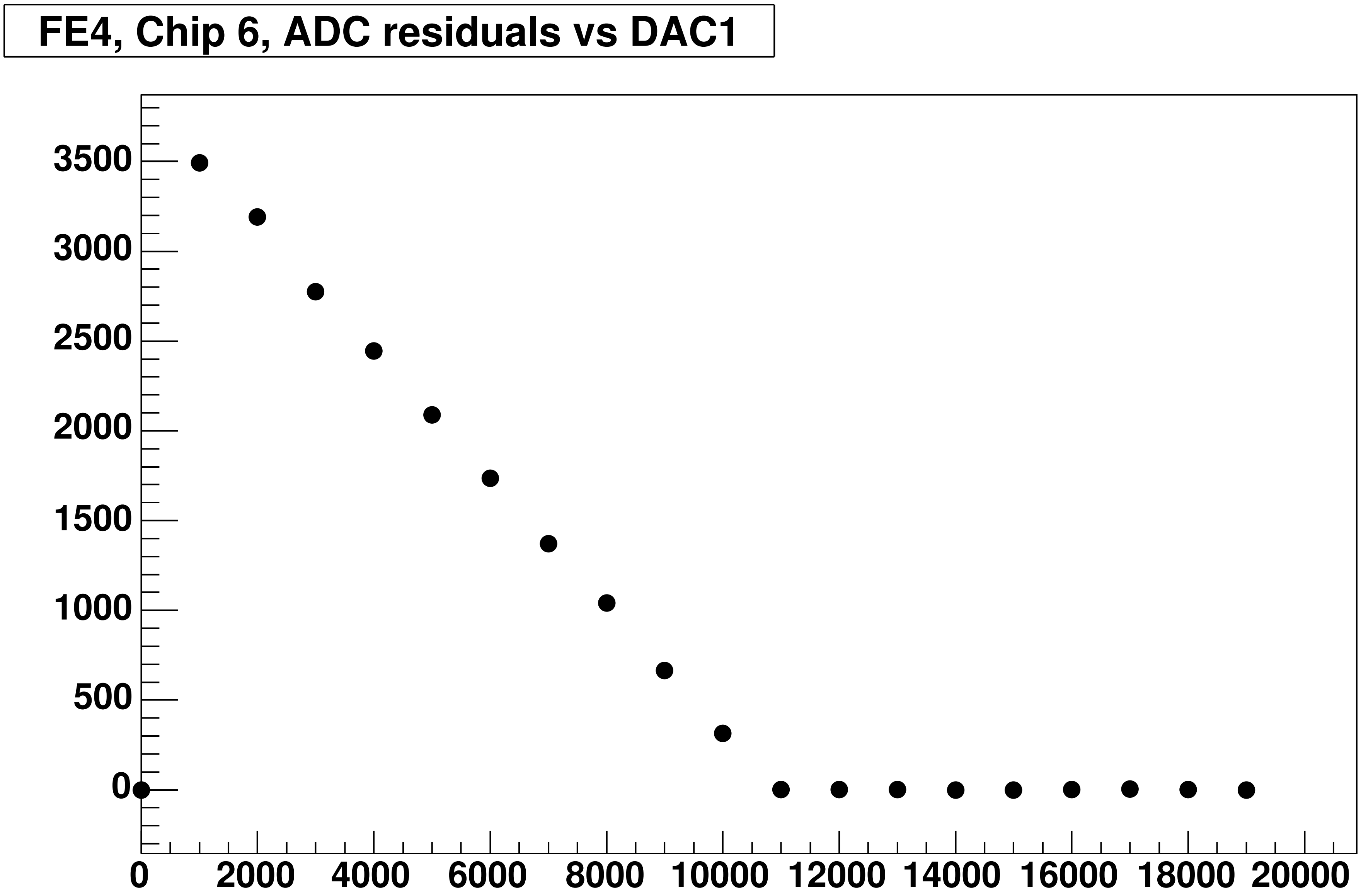


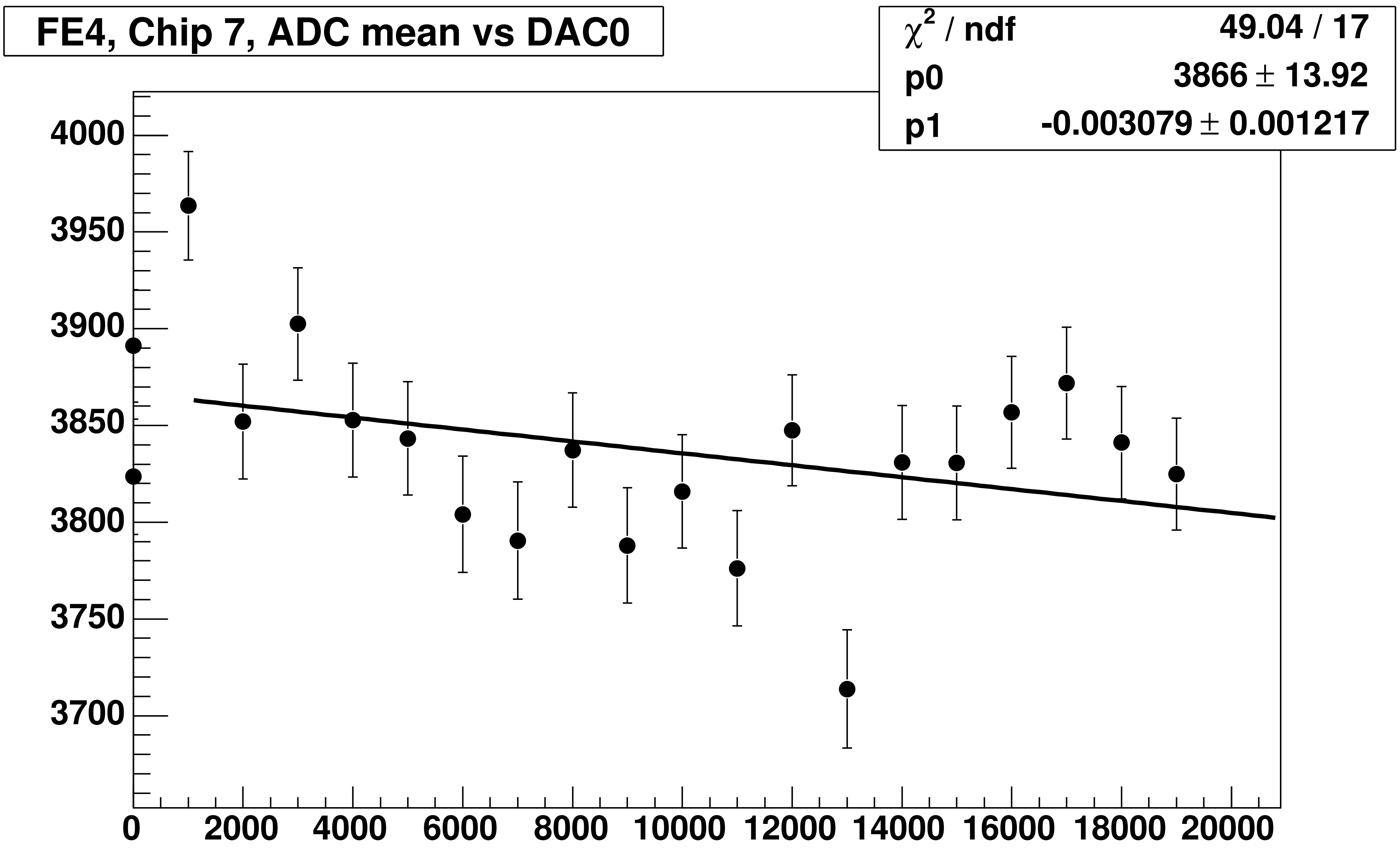
FE4, Chip 6, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



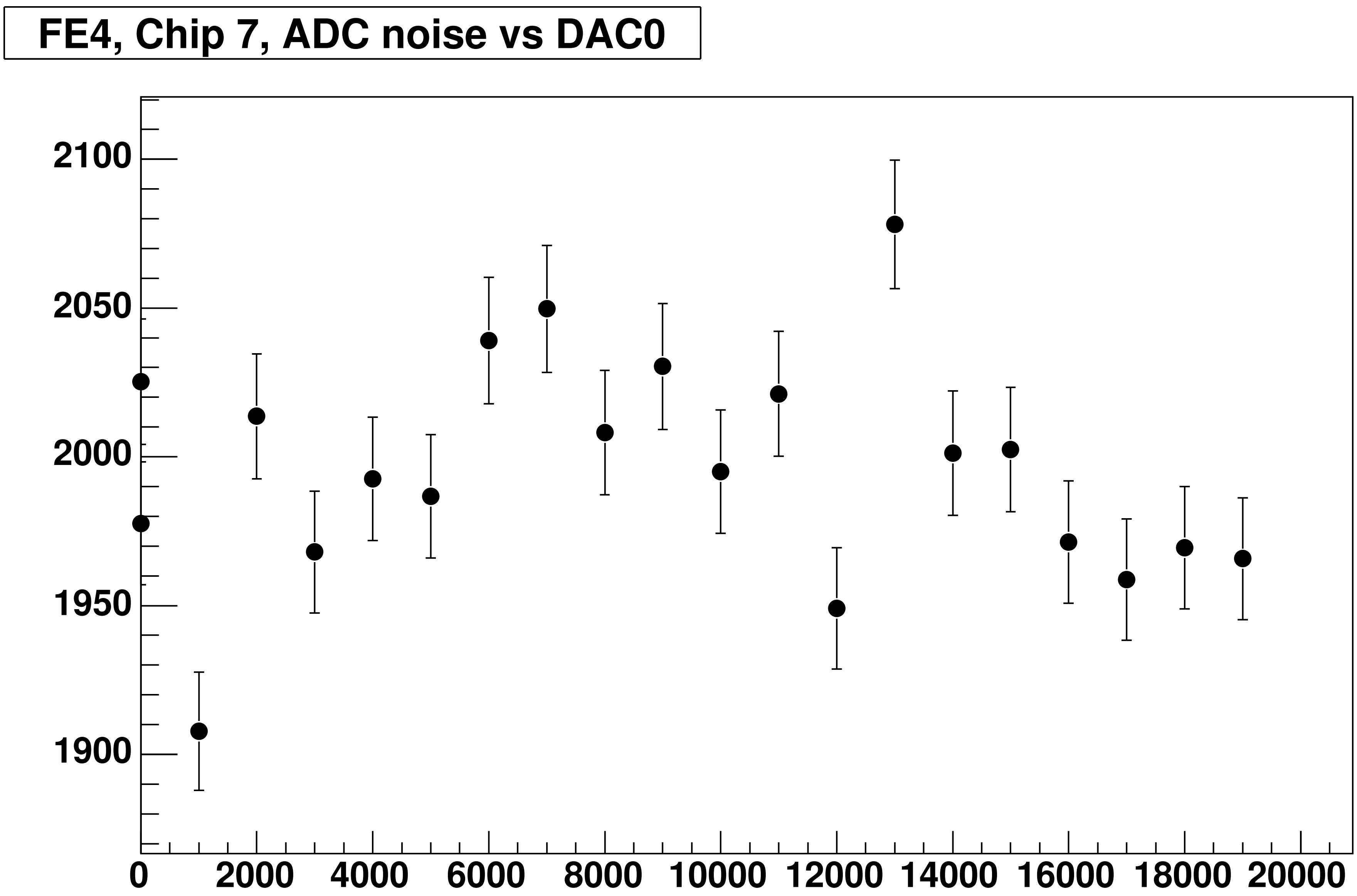
FE4, Chip 6, ADC mean vs DAC1
χ2 / ndf 1.829e+05 / 17
p0 -23.53 ± 0.1032
p1 0.4516 ± 6.339e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

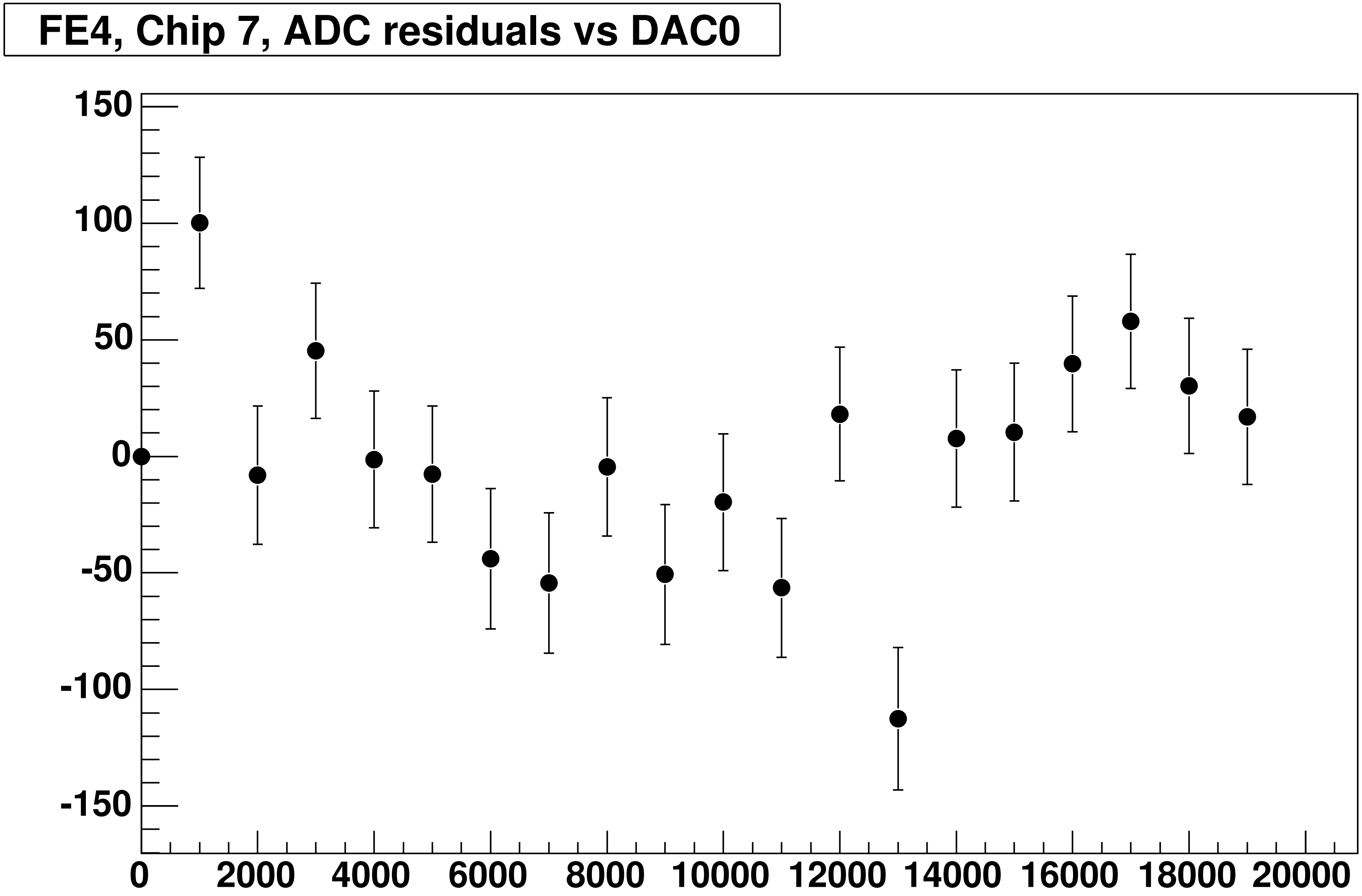

FE4, Chip 6, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

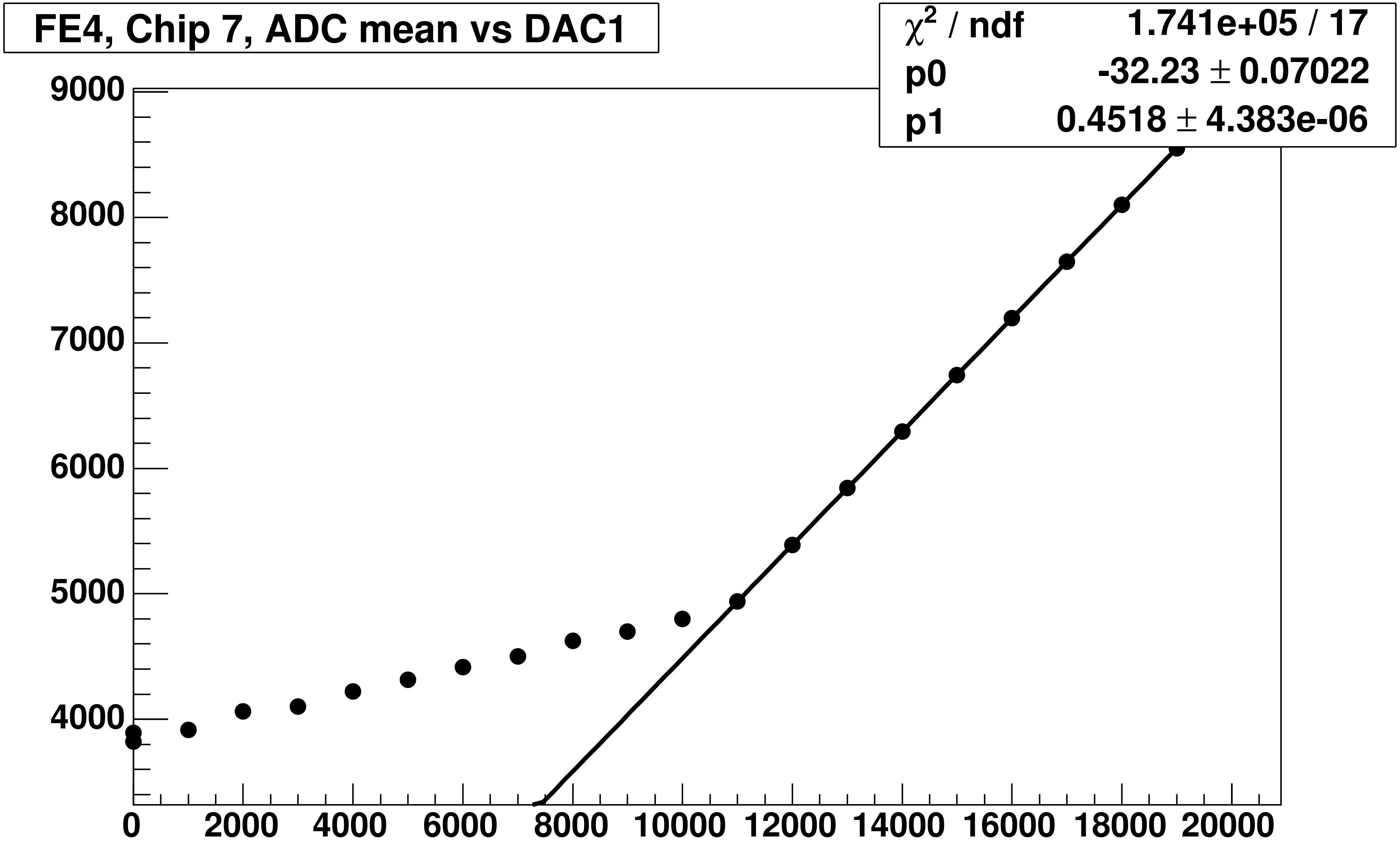

FE4, Chip 6, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



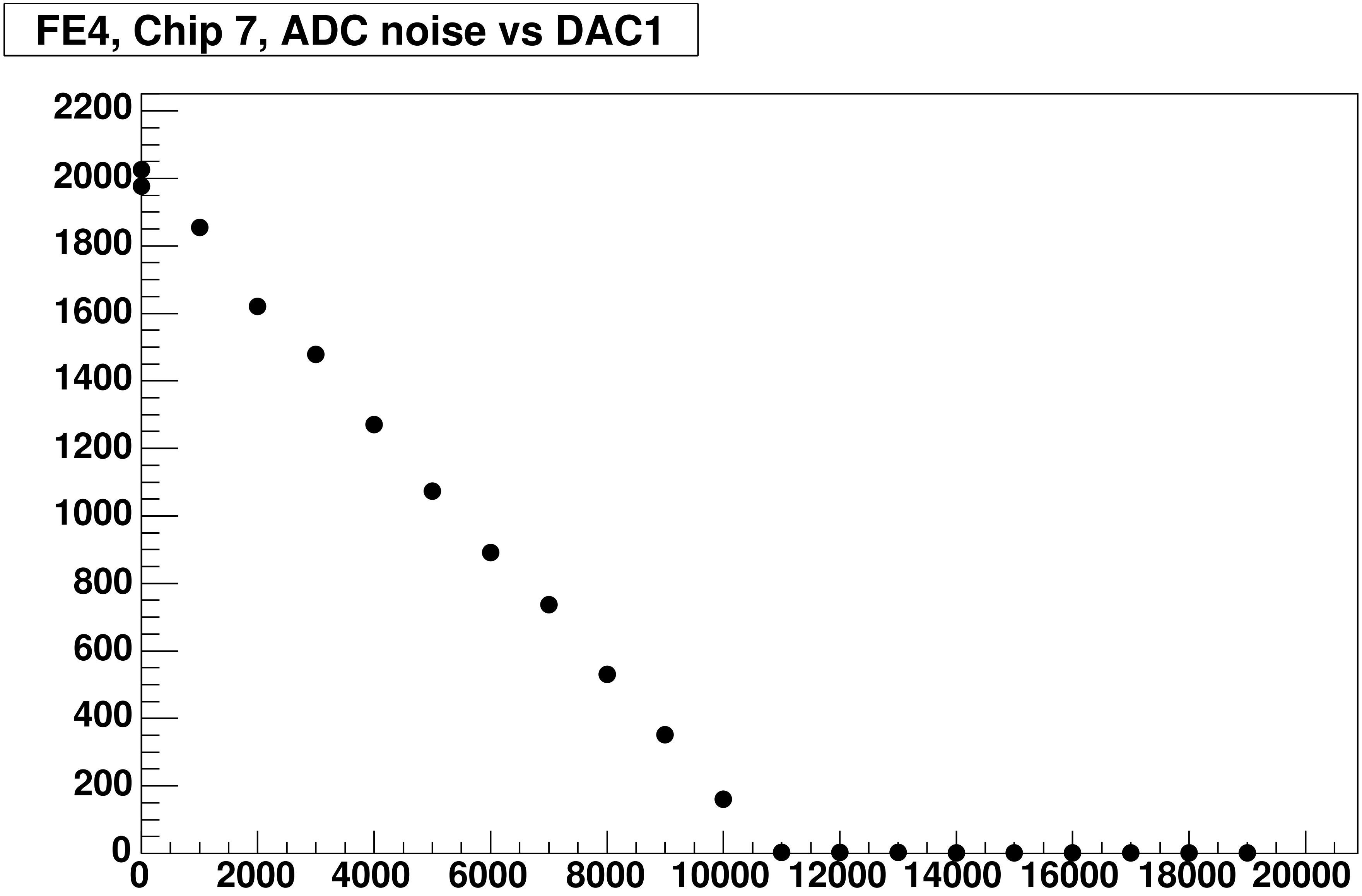
FE4, Chip 7, ADC mean vs DAC0
χ^2 / ndf 49.04 / 17
p0 3866 ± 13.92
p1 -0.003079 ± 0.001217
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

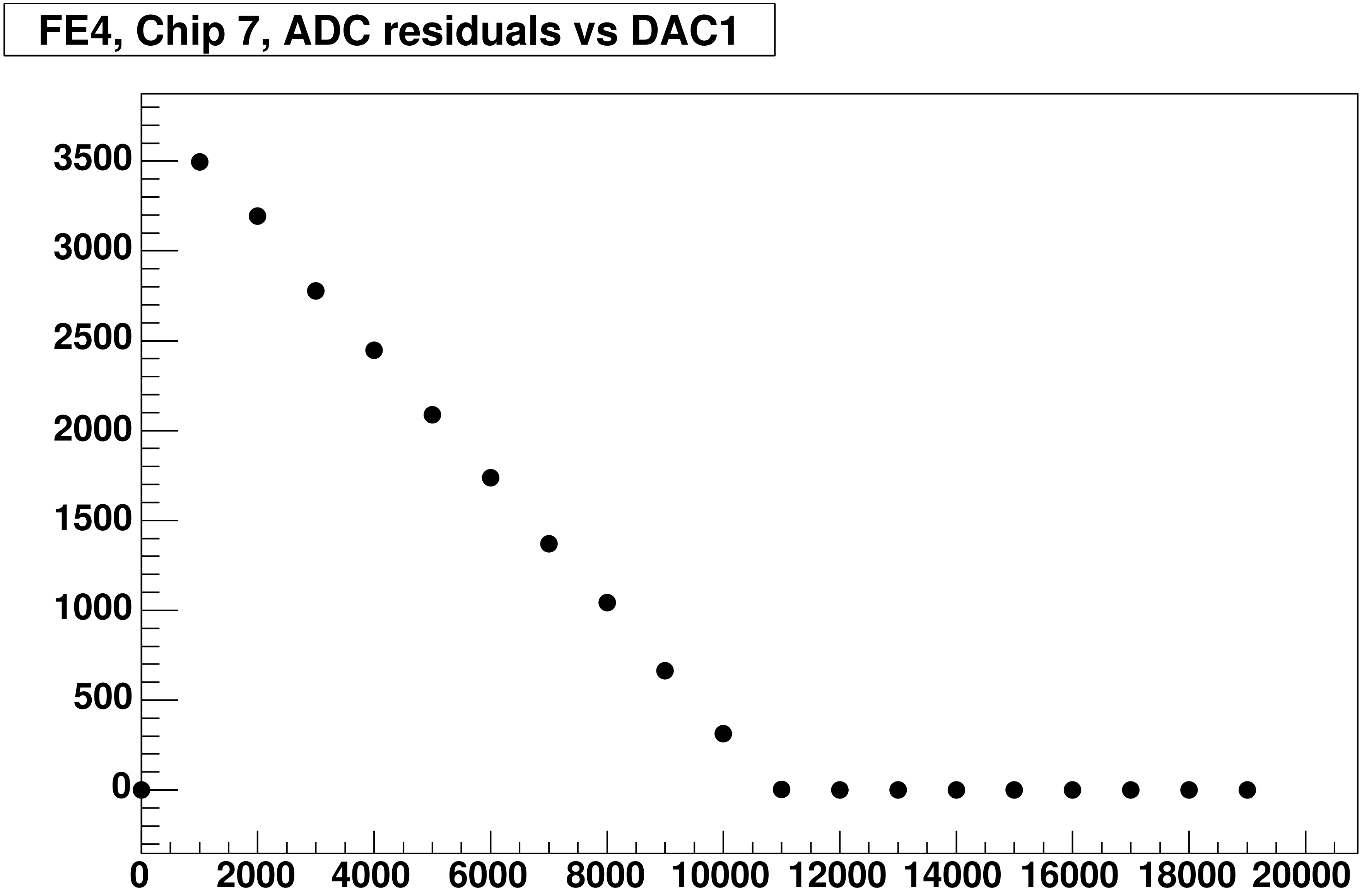

FE4, Chip 7, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 7, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

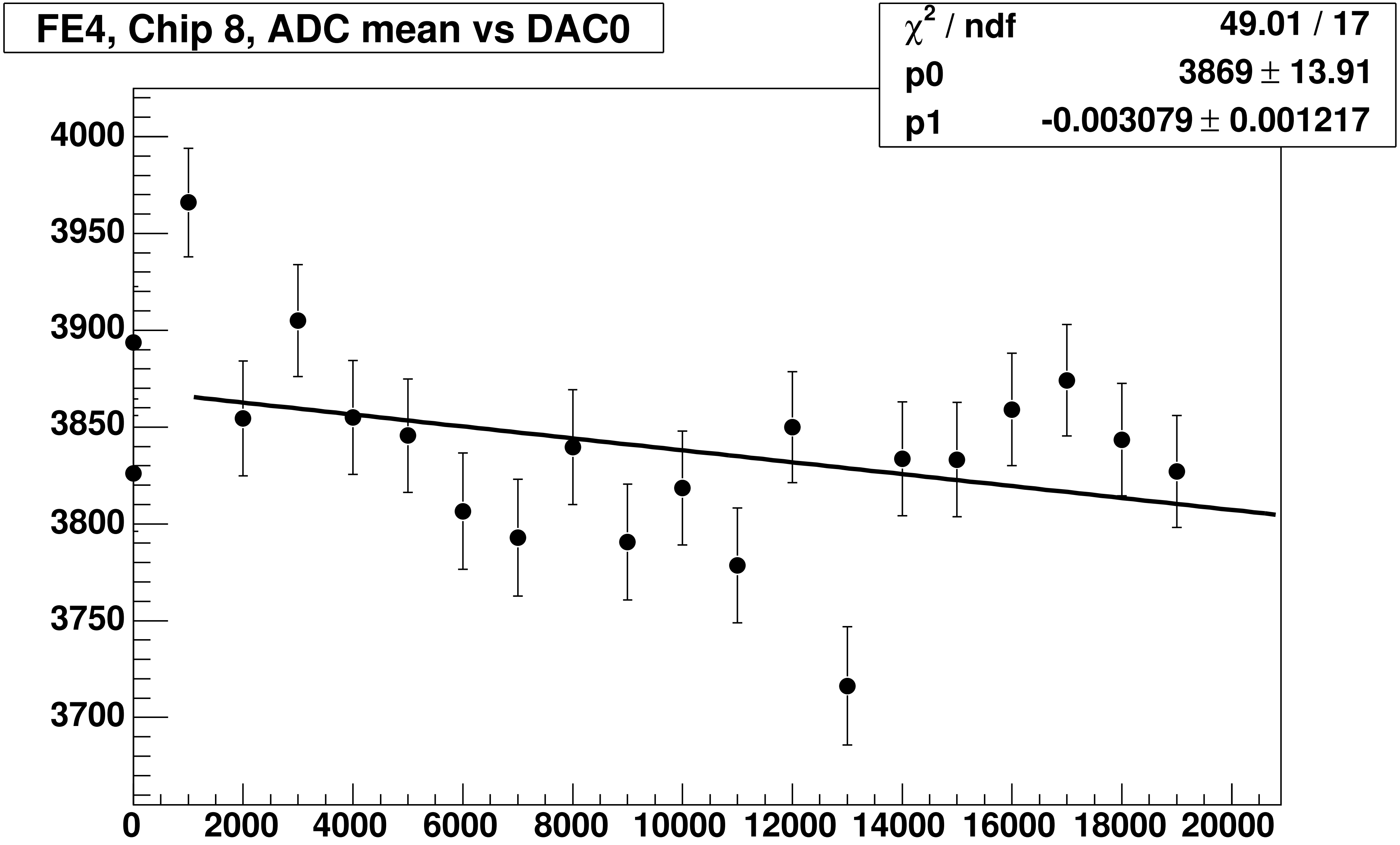


FE4, Chip 7, ADC mean vs DAC1
χ^2 / ndf 1.741e+05 / 17
p0 -32.23 ± 0.07022
p1 0.4518 ± 4.383e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

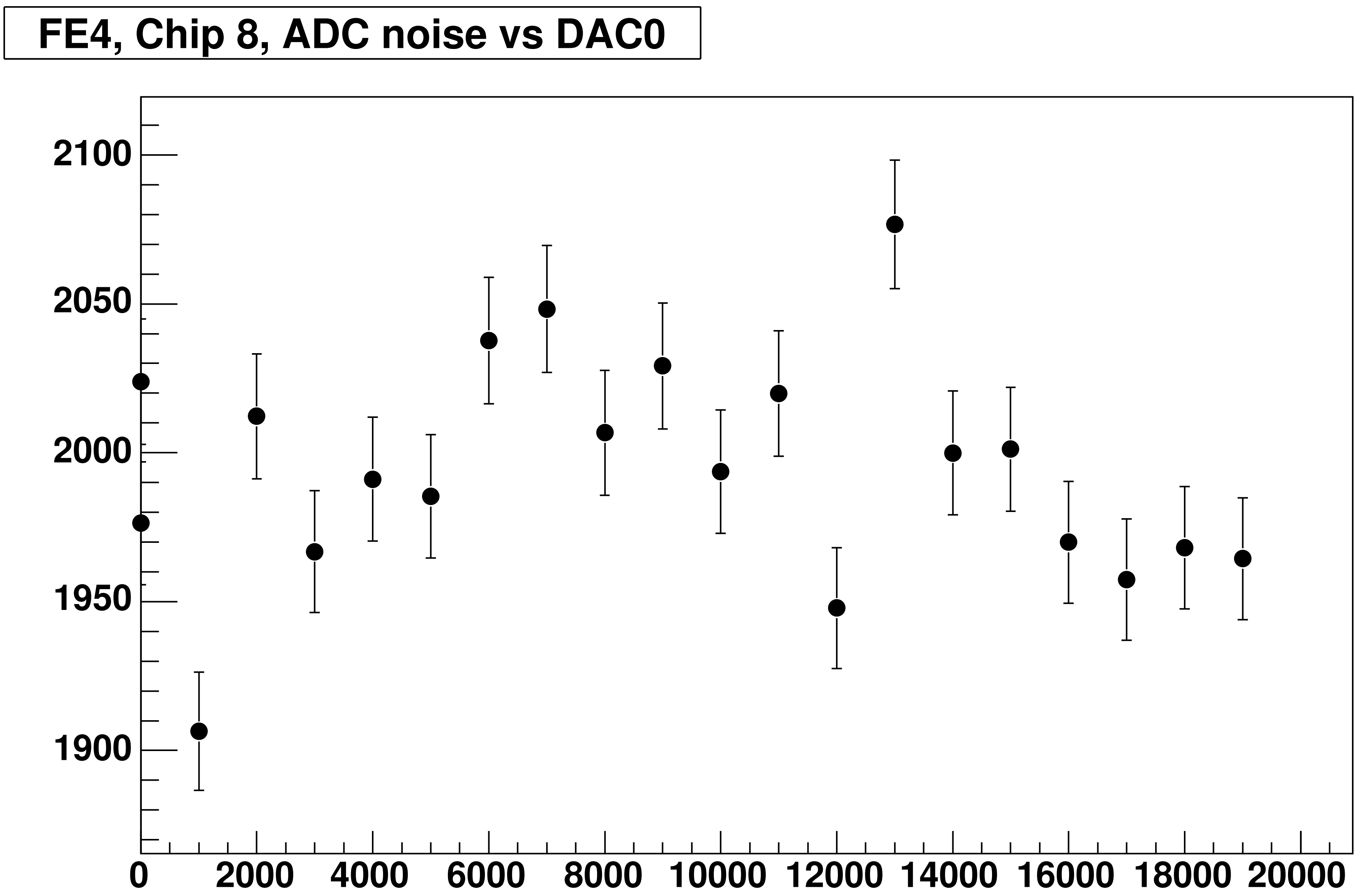

FE4, Chip 7, ADC noise vs DAC1
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

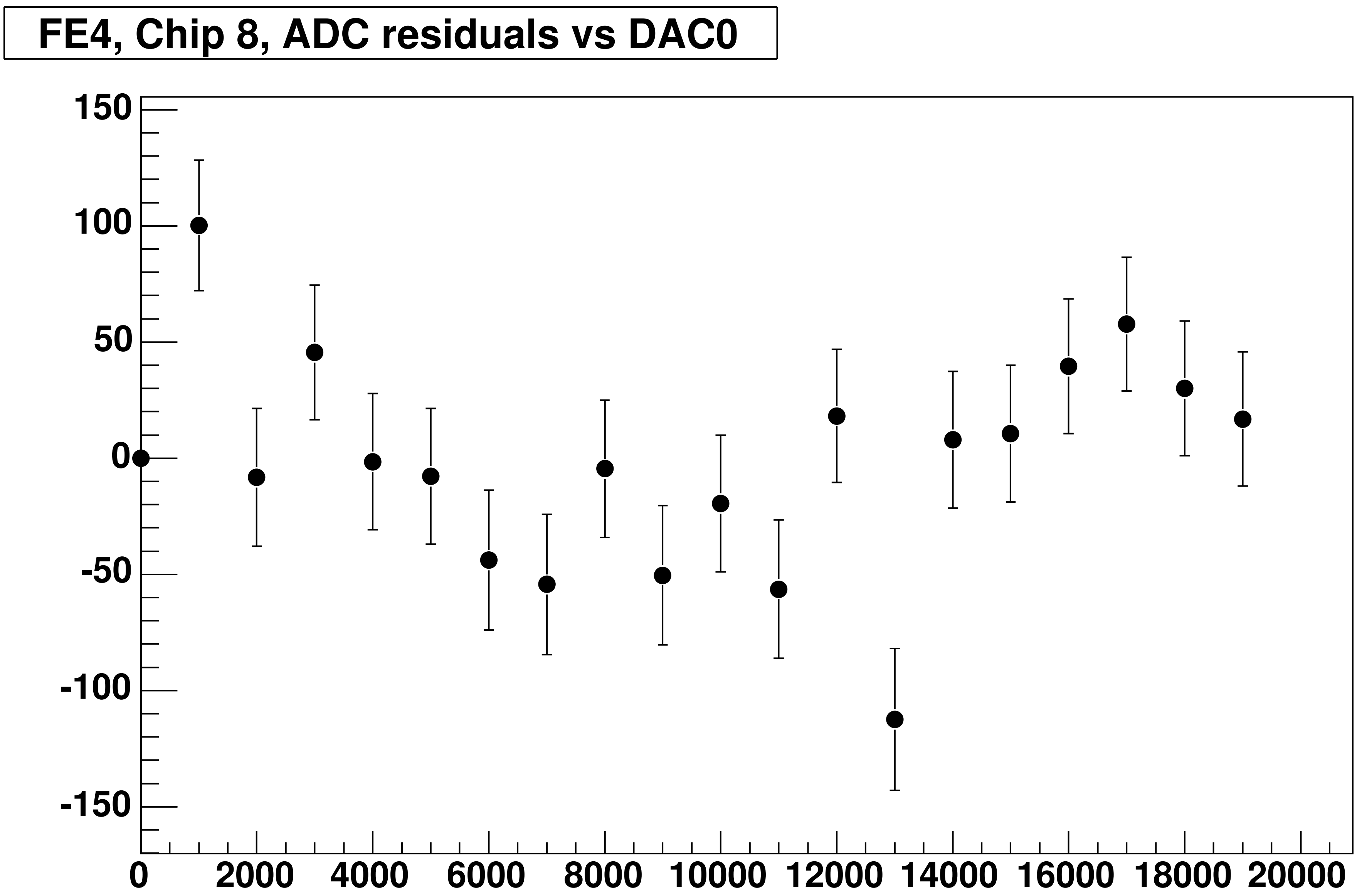


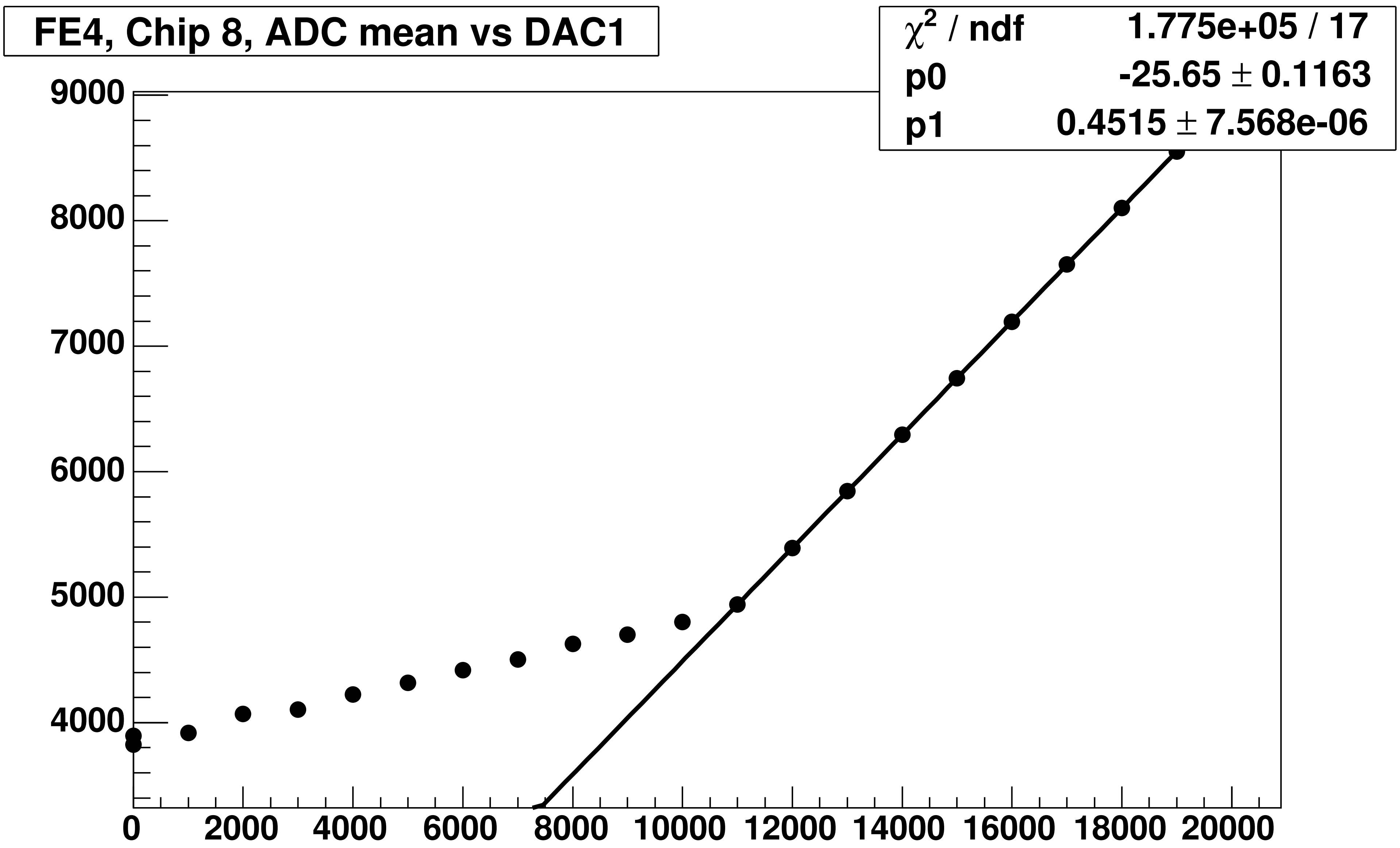
FE4, Chip 7, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

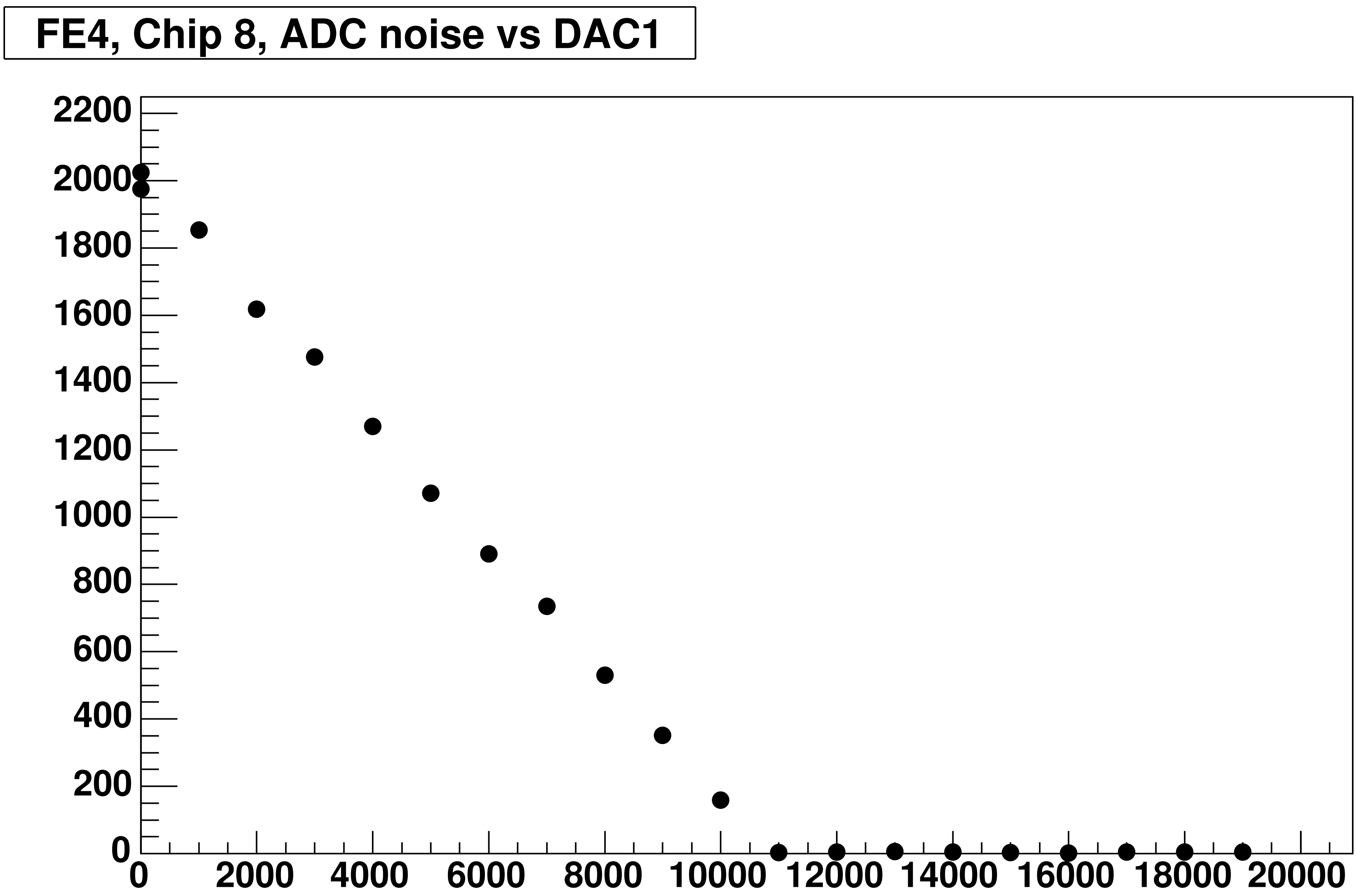


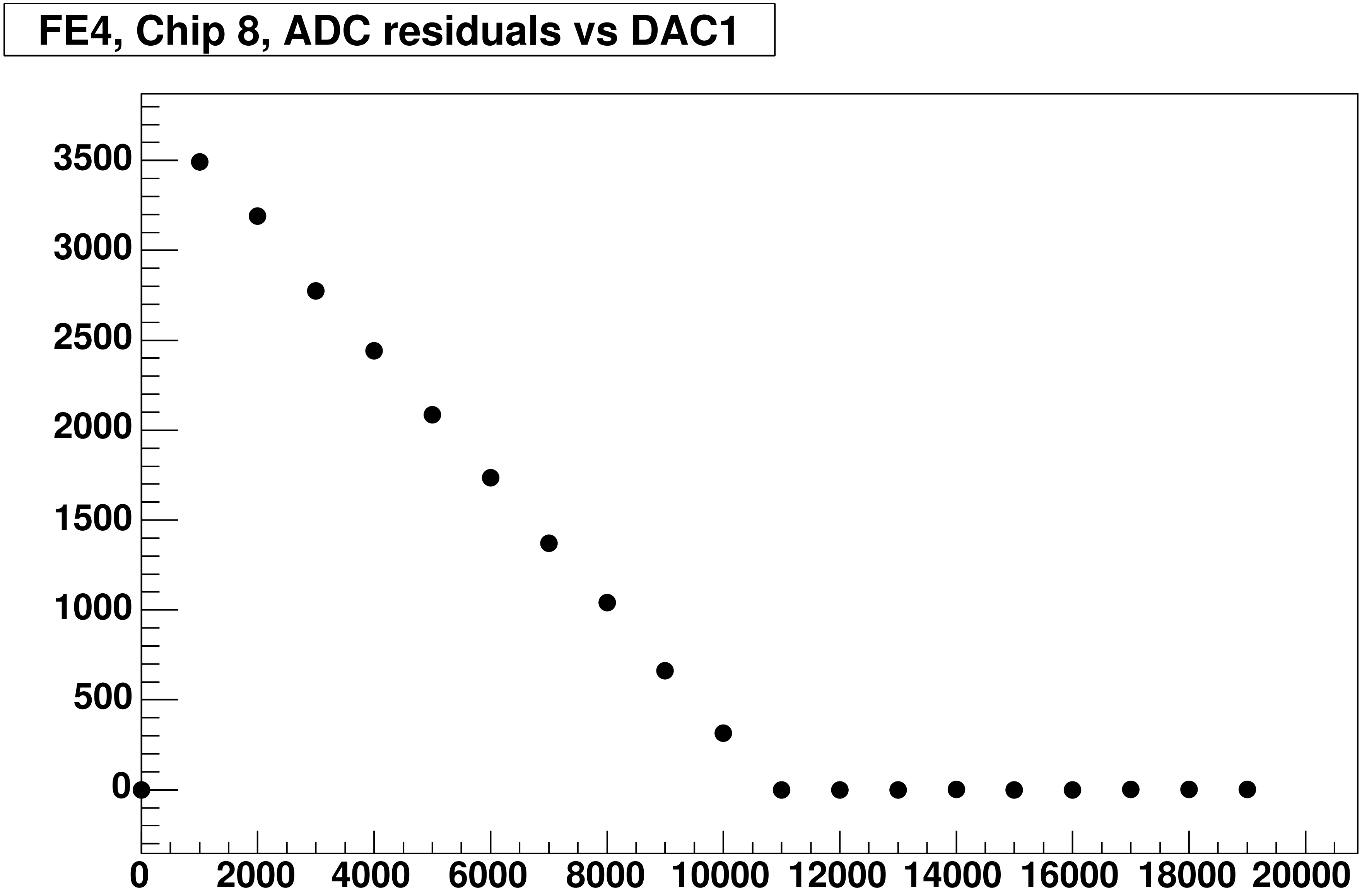
FE4, Chip 8, ADC mean vs DAC0
χ^2 / ndf 49.01 / 17
p0 3869 ± 13.91
p1 -0.003079 ± 0.001217
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

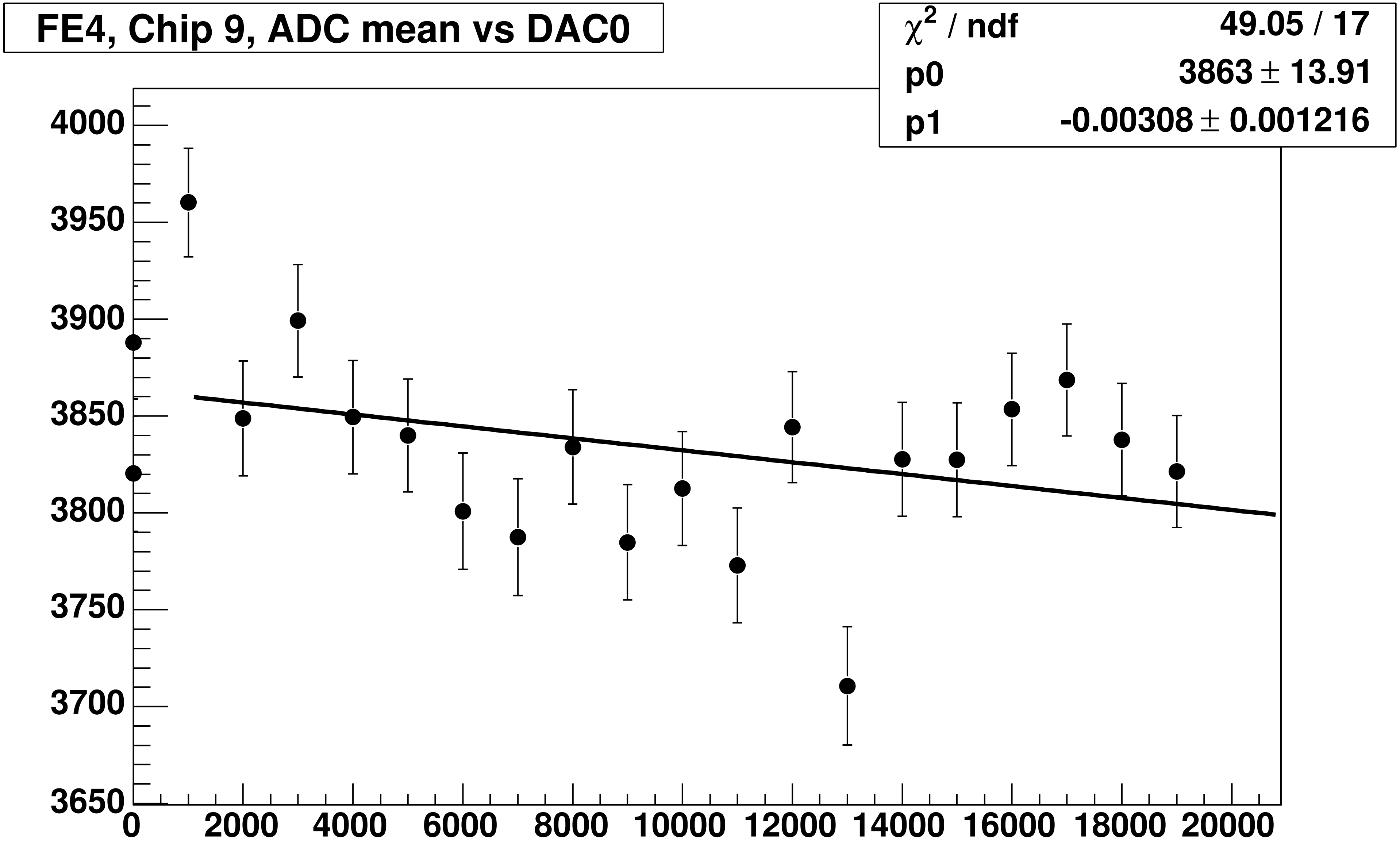

FE4, Chip 8, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 8, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

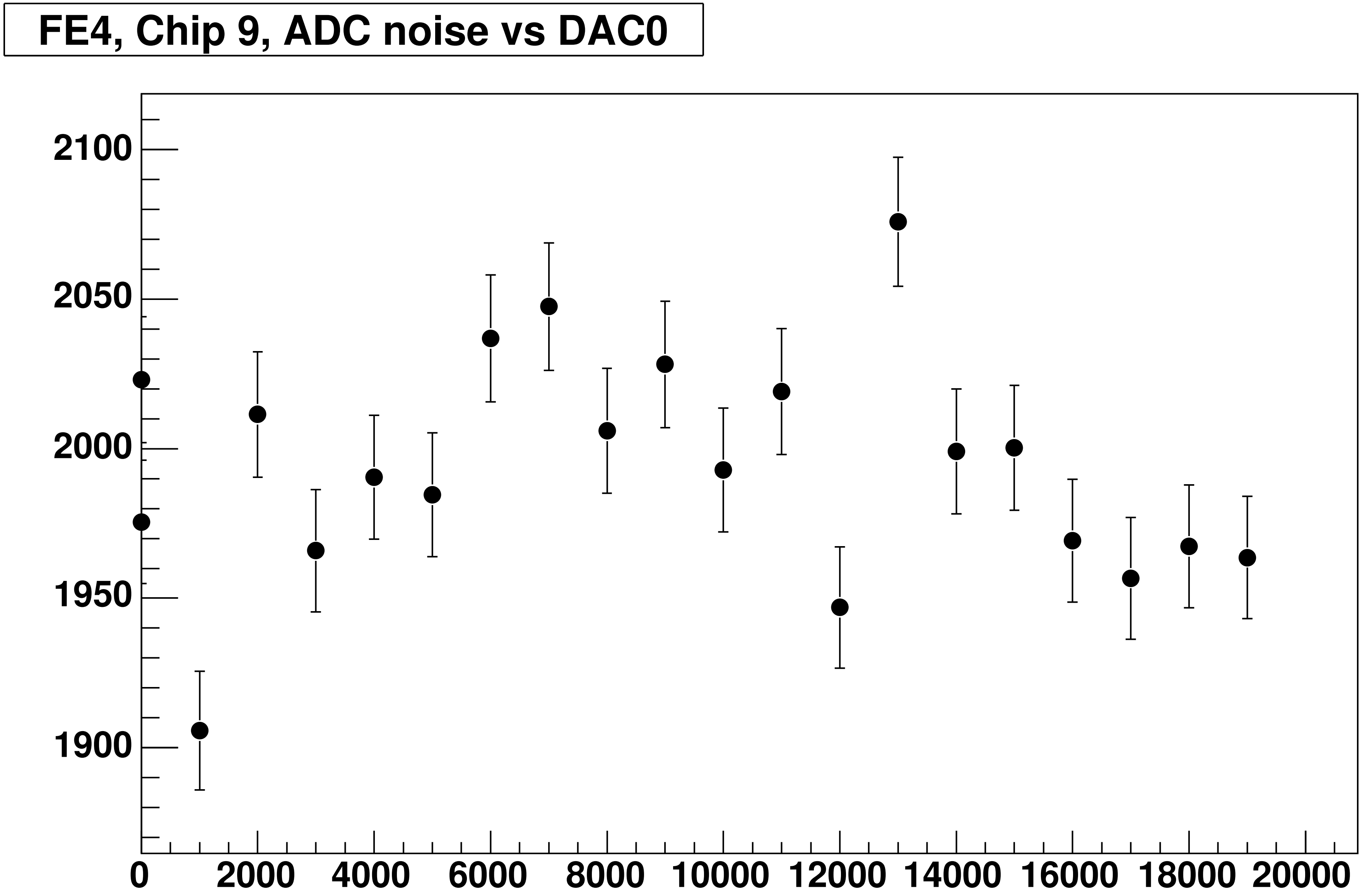

FE4, Chip 8, ADC mean vs DAC1
χ^2 / ndf 1.775e+05 / 17
p0 -25.65 ± 0.1163
p1 0.4515 ± 7.568e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

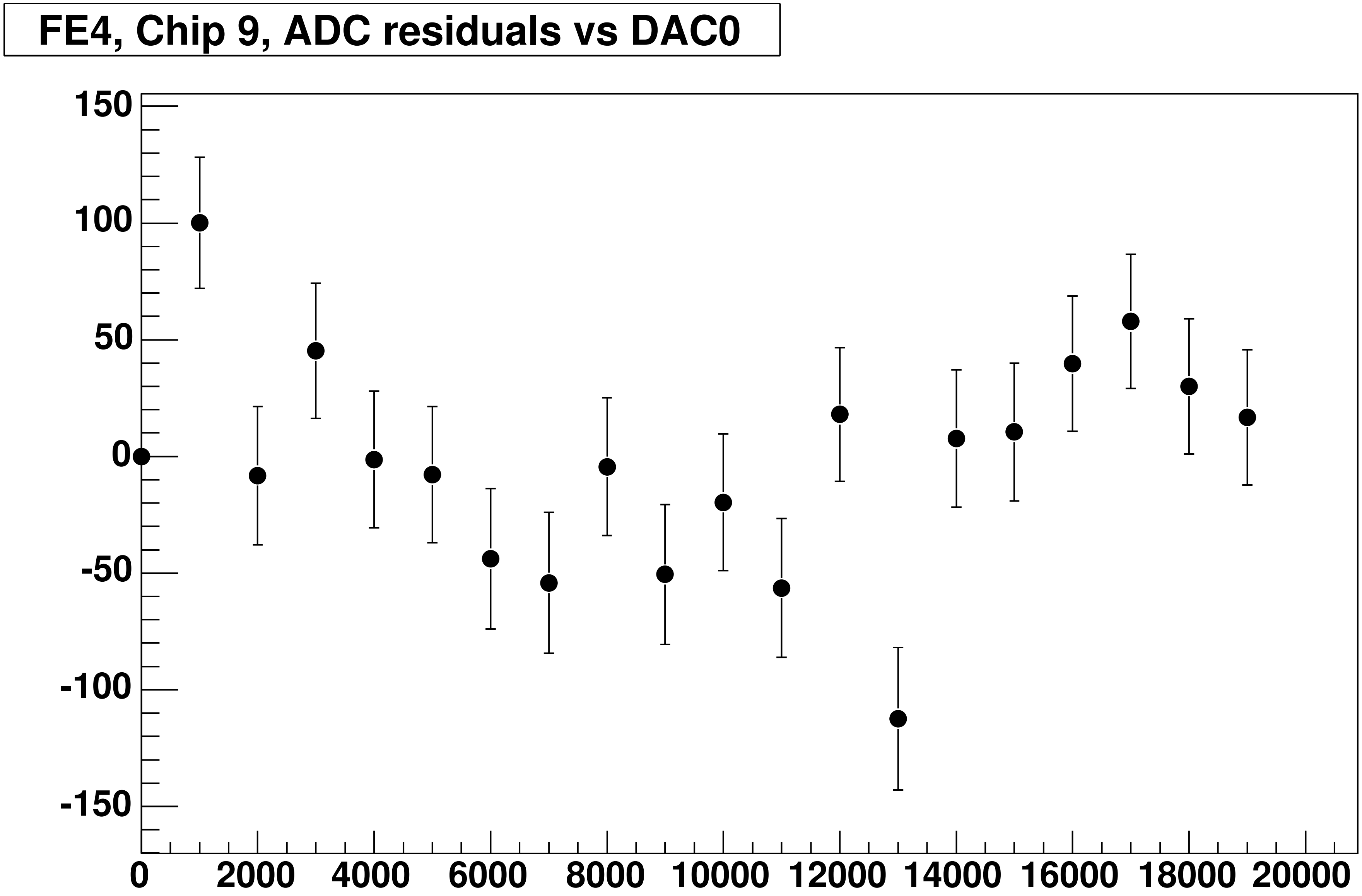

FE4, Chip 8, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 8, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

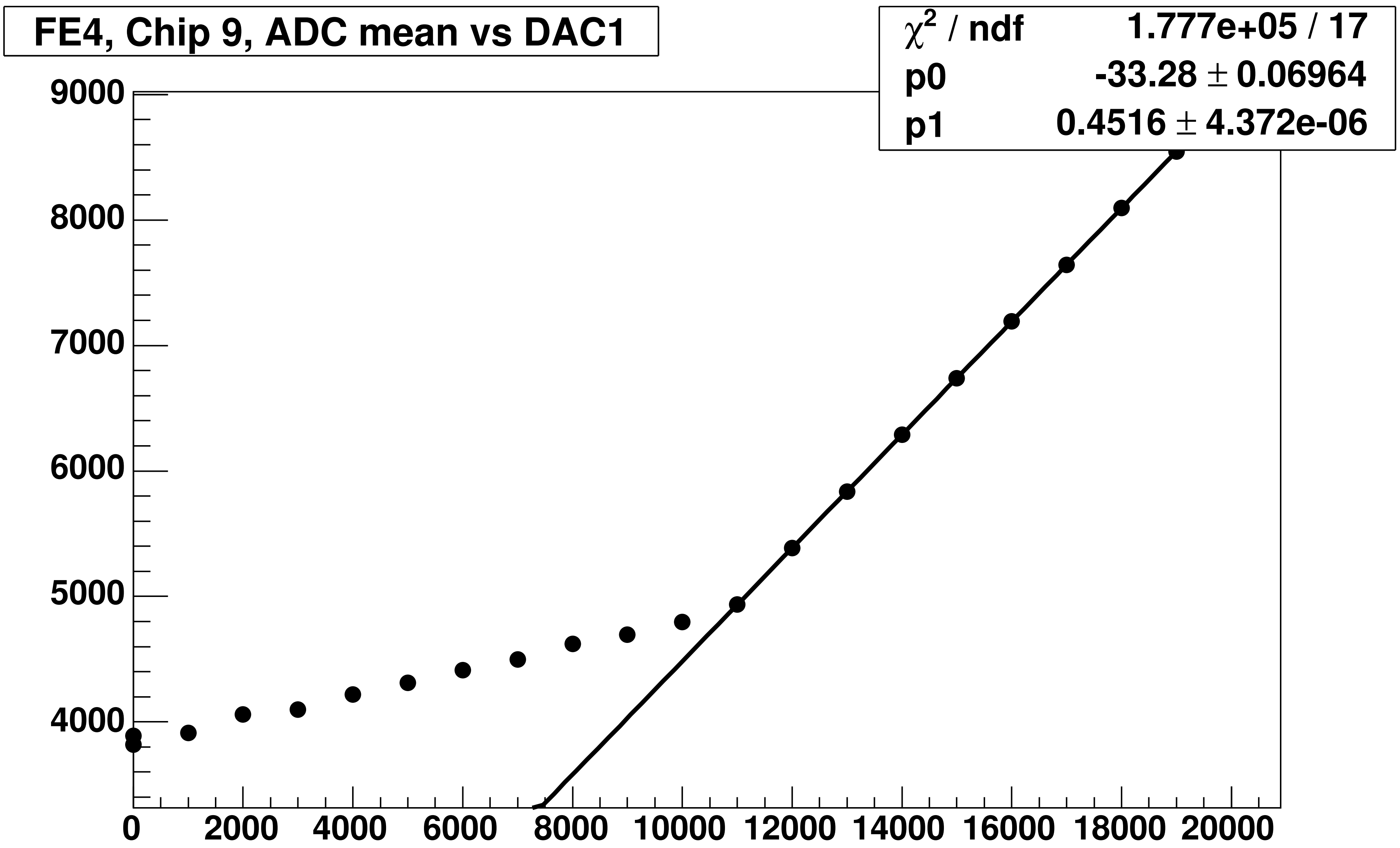


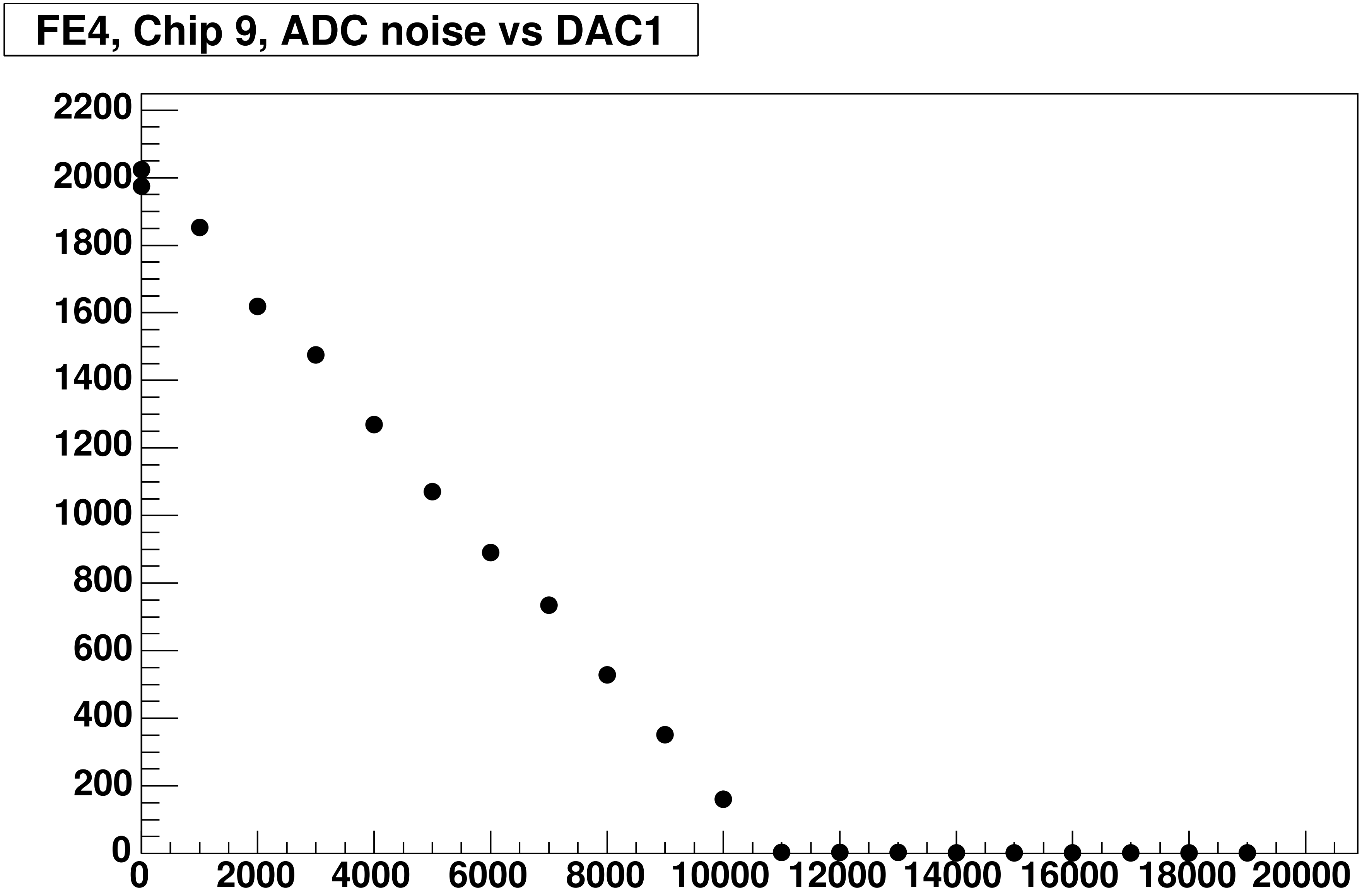
FE4, Chip 9, ADC mean vs DAC0
χ^2 / ndf 49.05 / 17
p0 3863 ± 13.91
p1 -0.00308 ± 0.001216
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 9, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

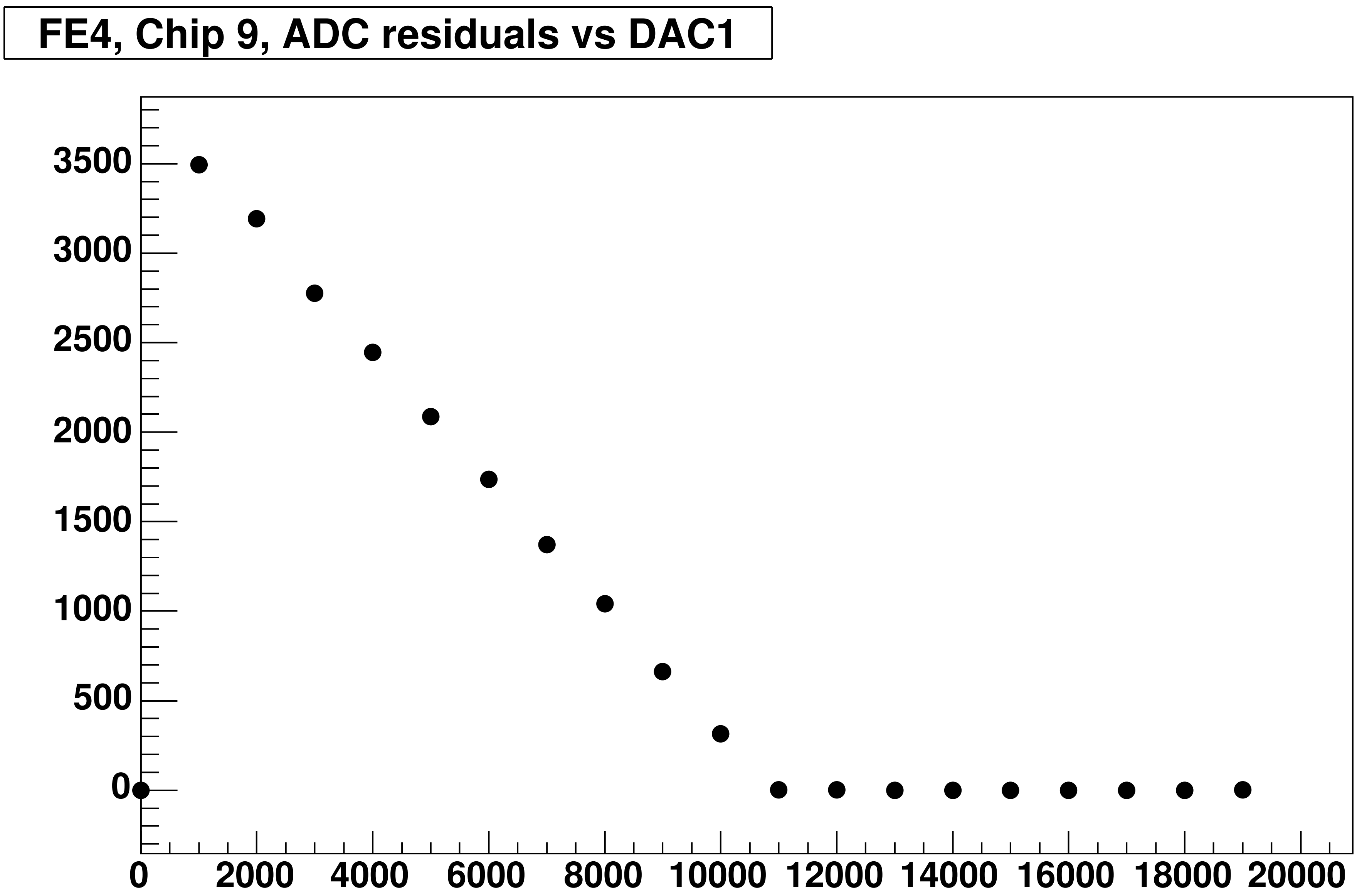


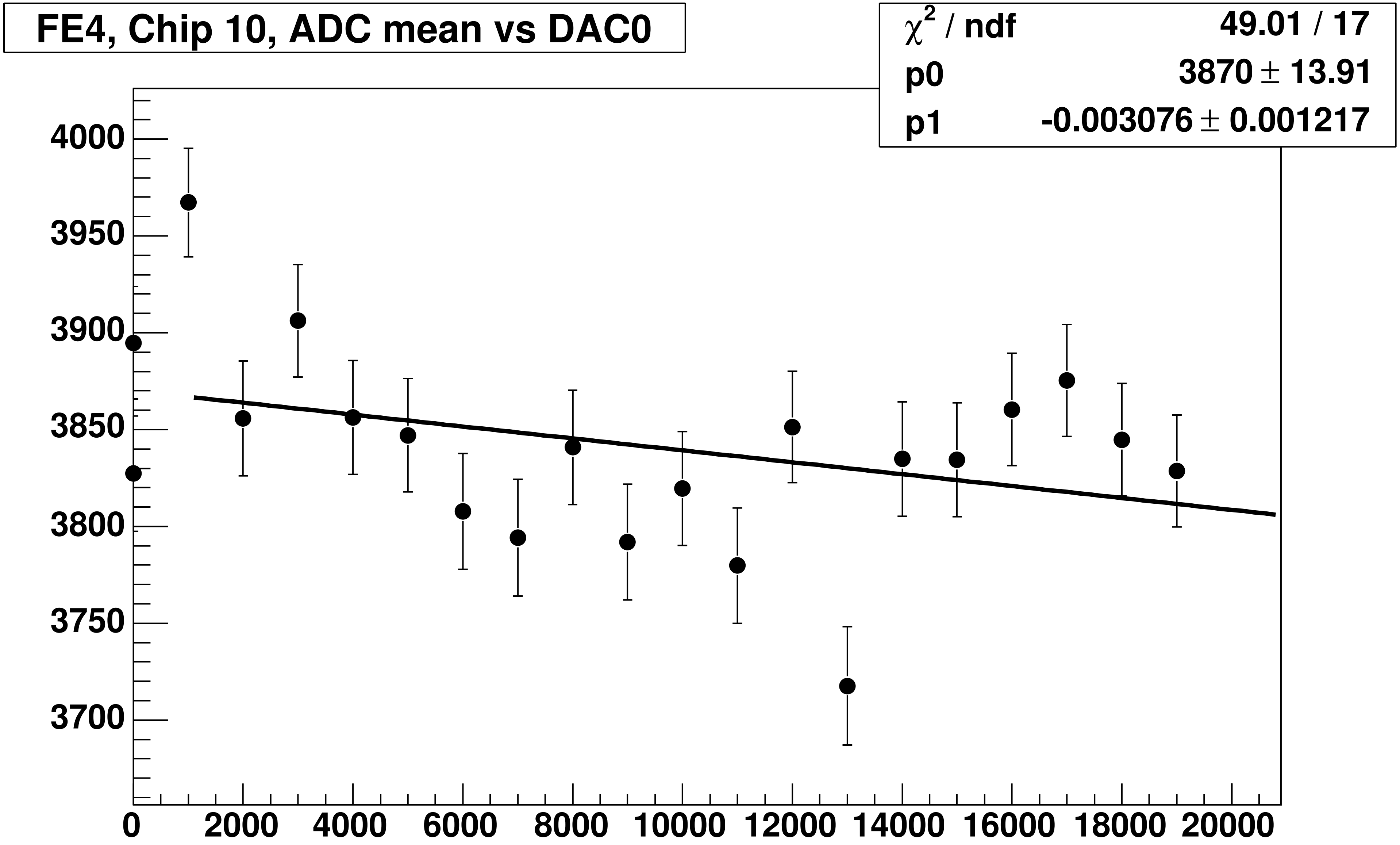
FE4, Chip 9, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

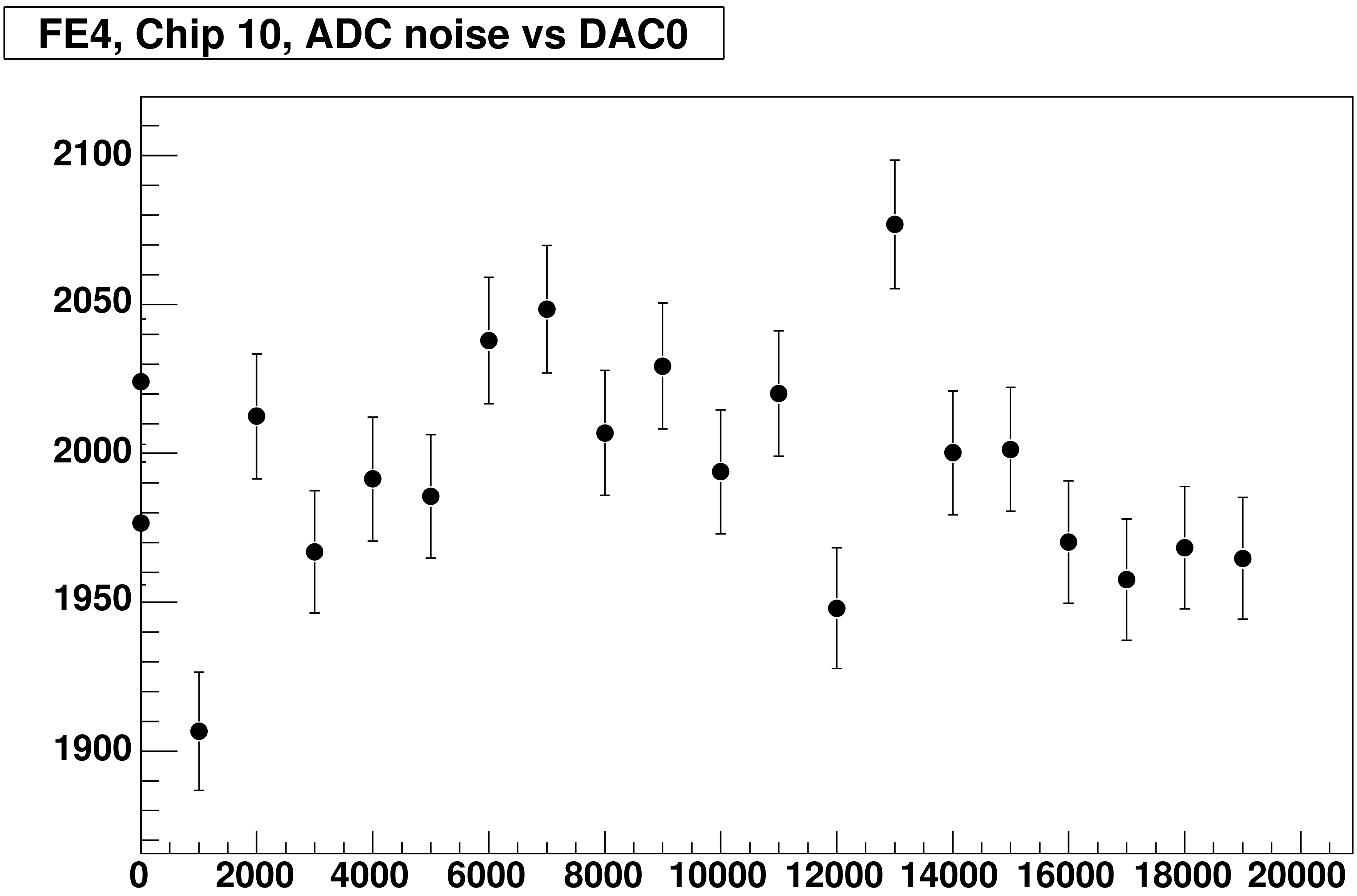

FE4, Chip 9, ADC mean vs DAC1
χ^2 / ndf 1.777e+05 / 17
p0 -33.28 ± 0.06964
p1 0.4516 ± 4.372e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

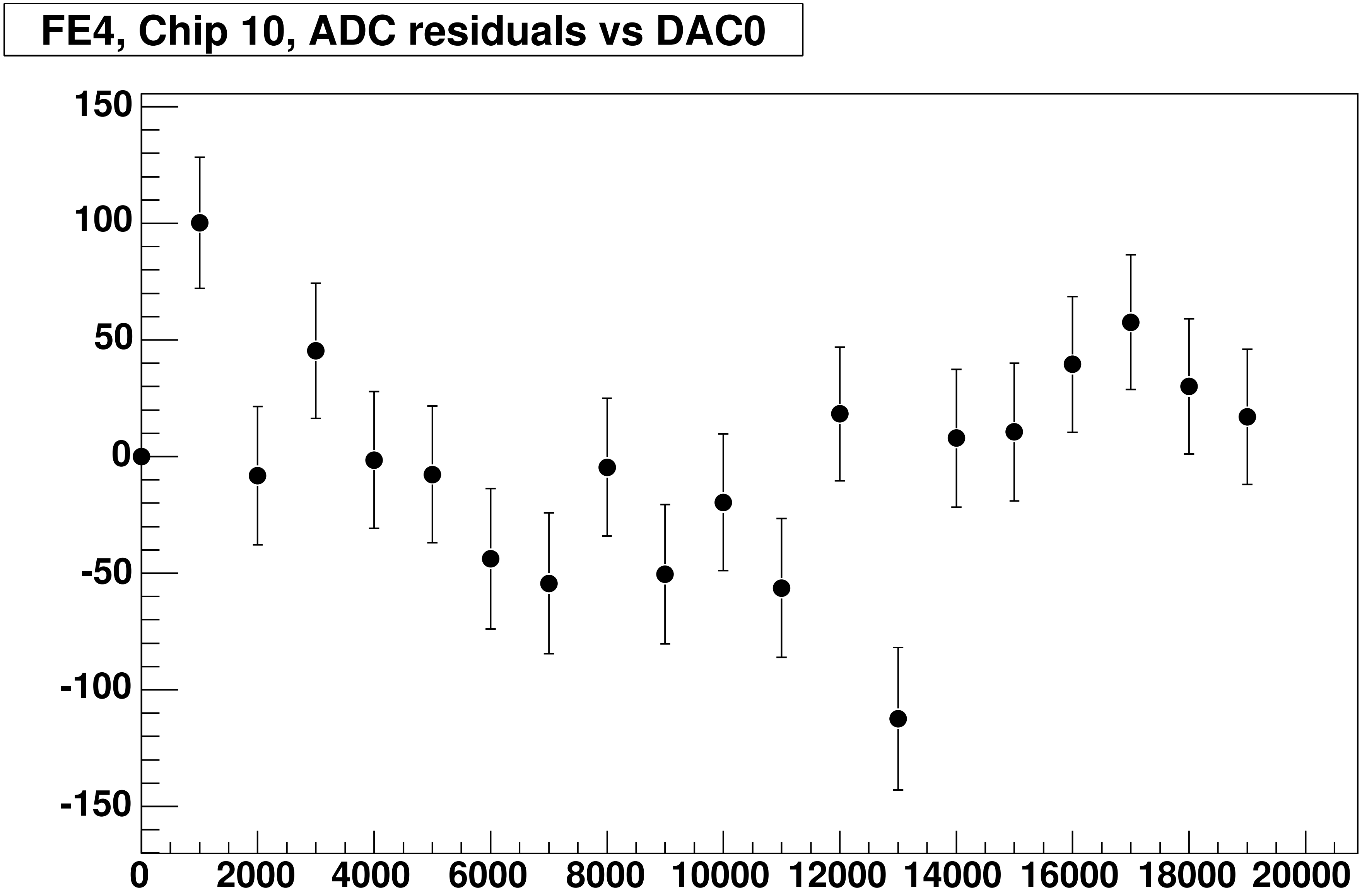


FE4, Chip 9, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

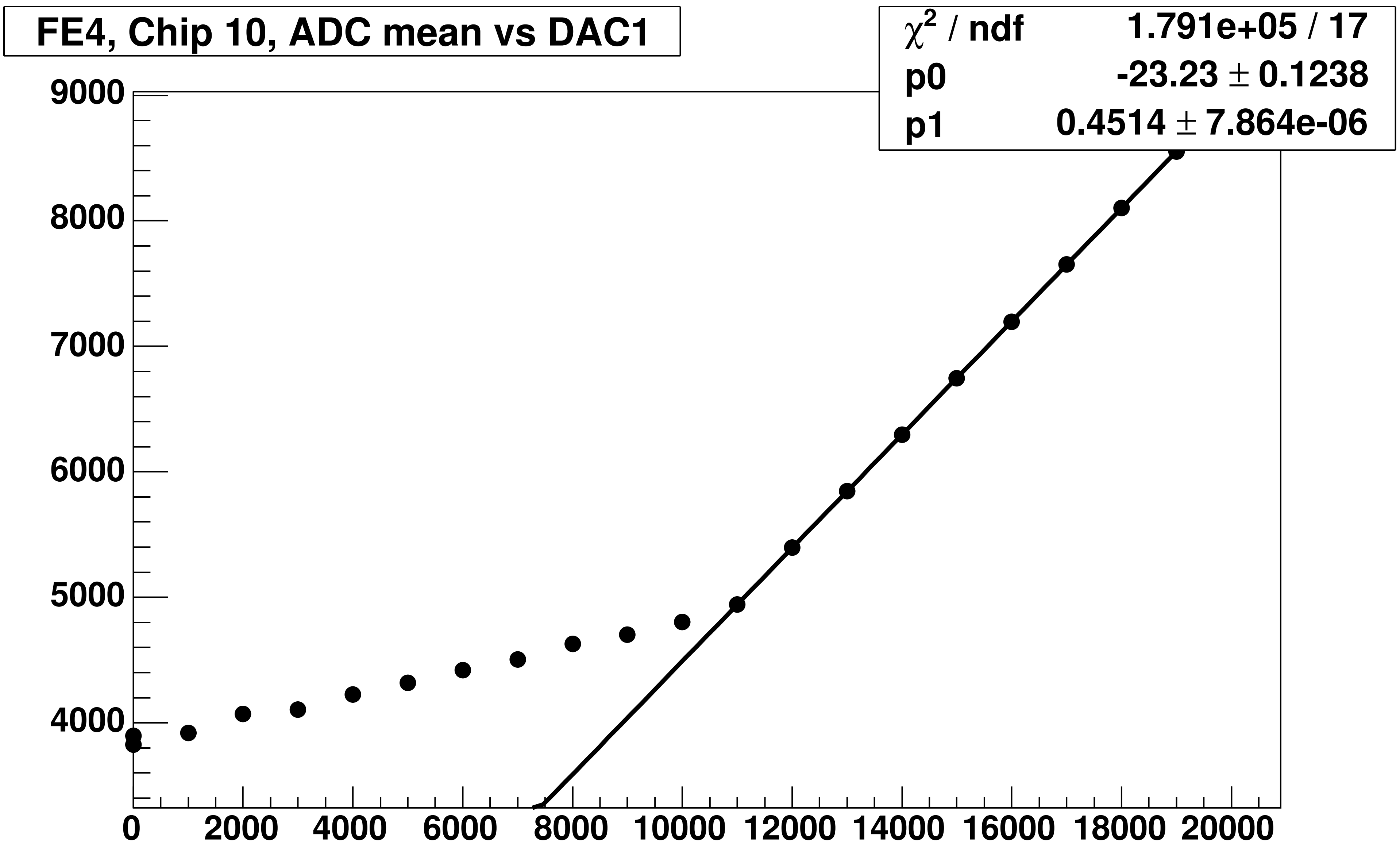

FE4, Chip 9, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

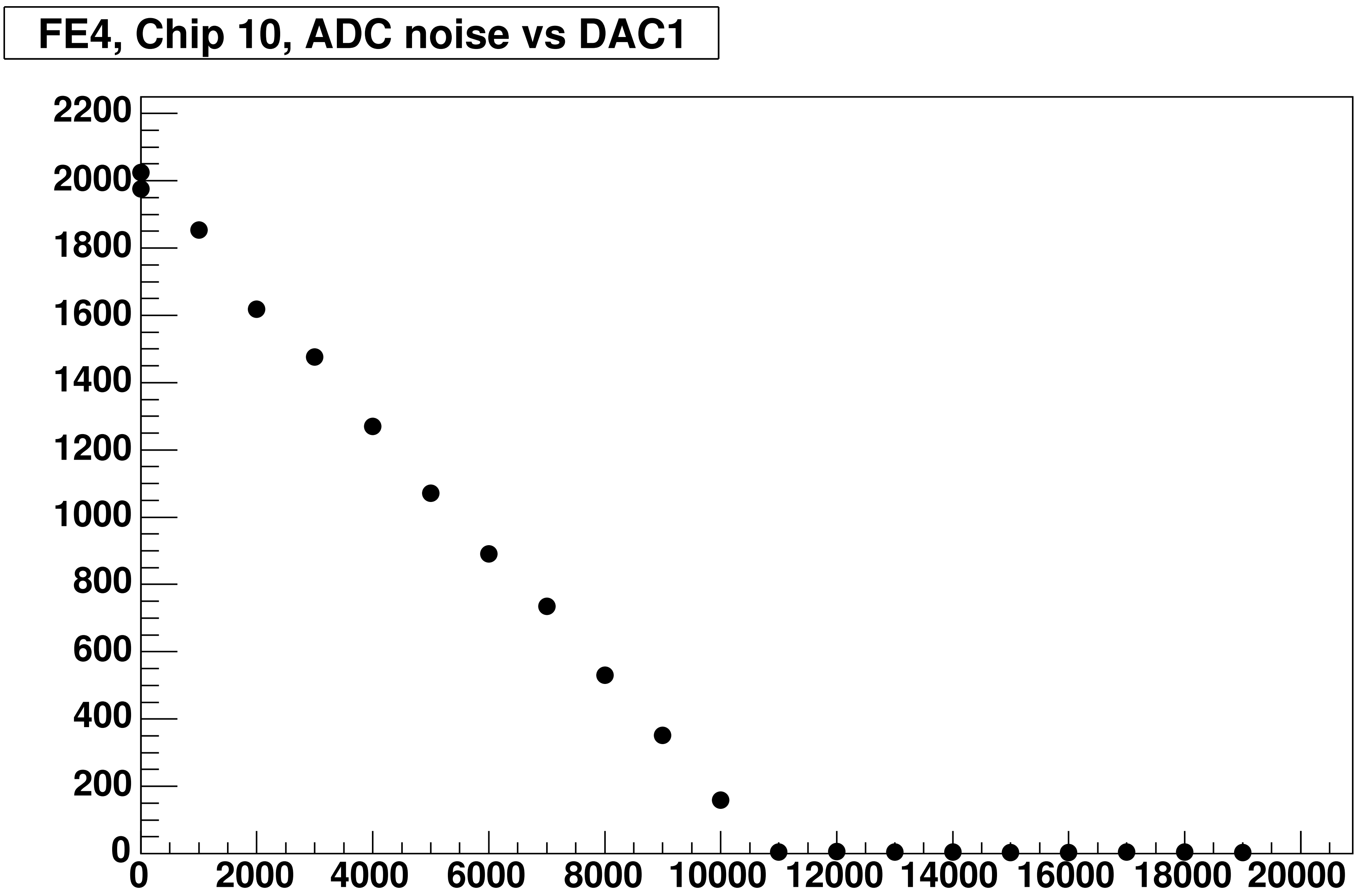

FE4, Chip 10, ADC mean vs DAC0
χ² / ndf 49.01 / 17
p0 3870 ± 13.91
p1 -0.003076 ± 0.001217
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

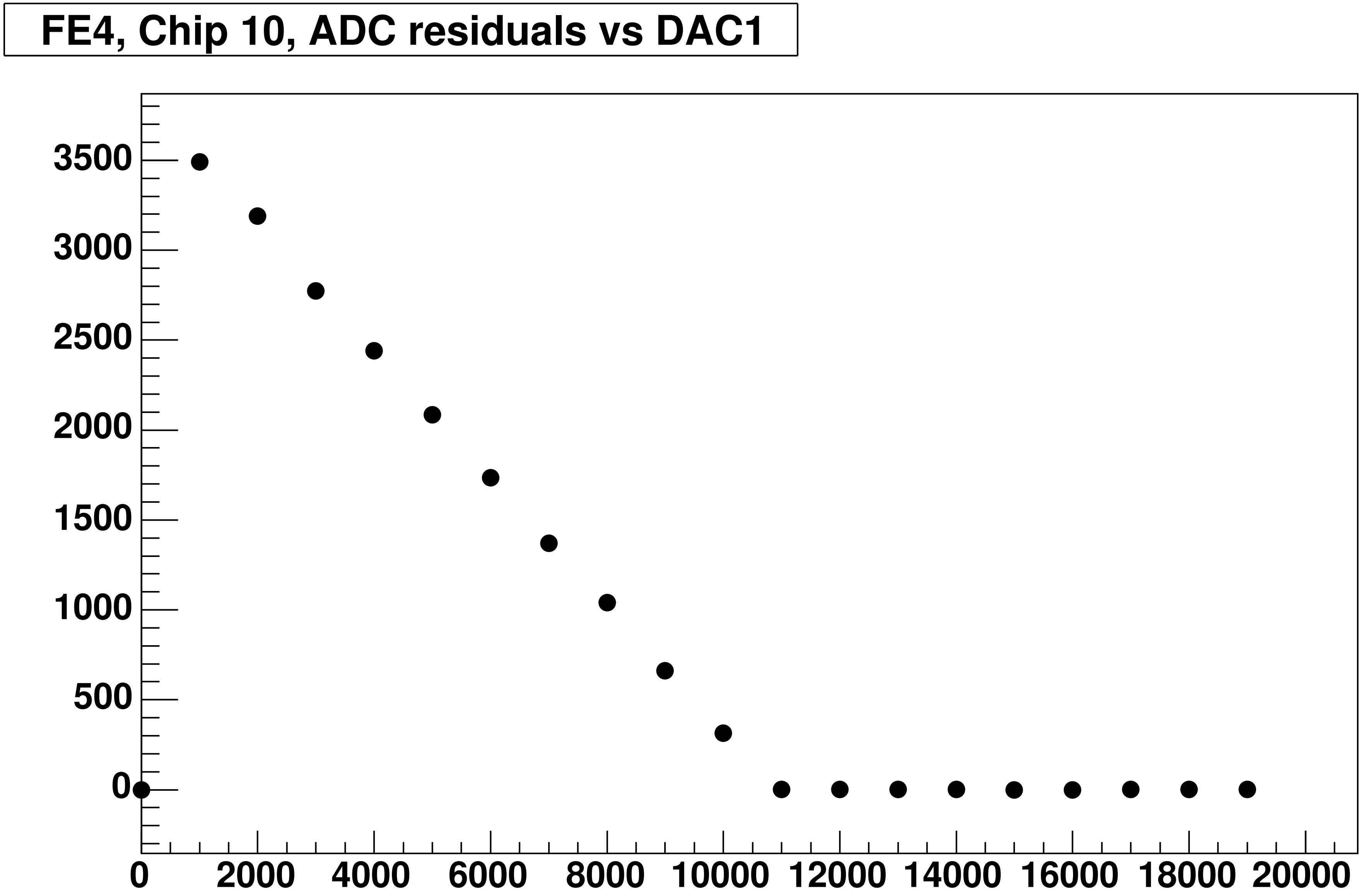

FE4, Chip 10, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



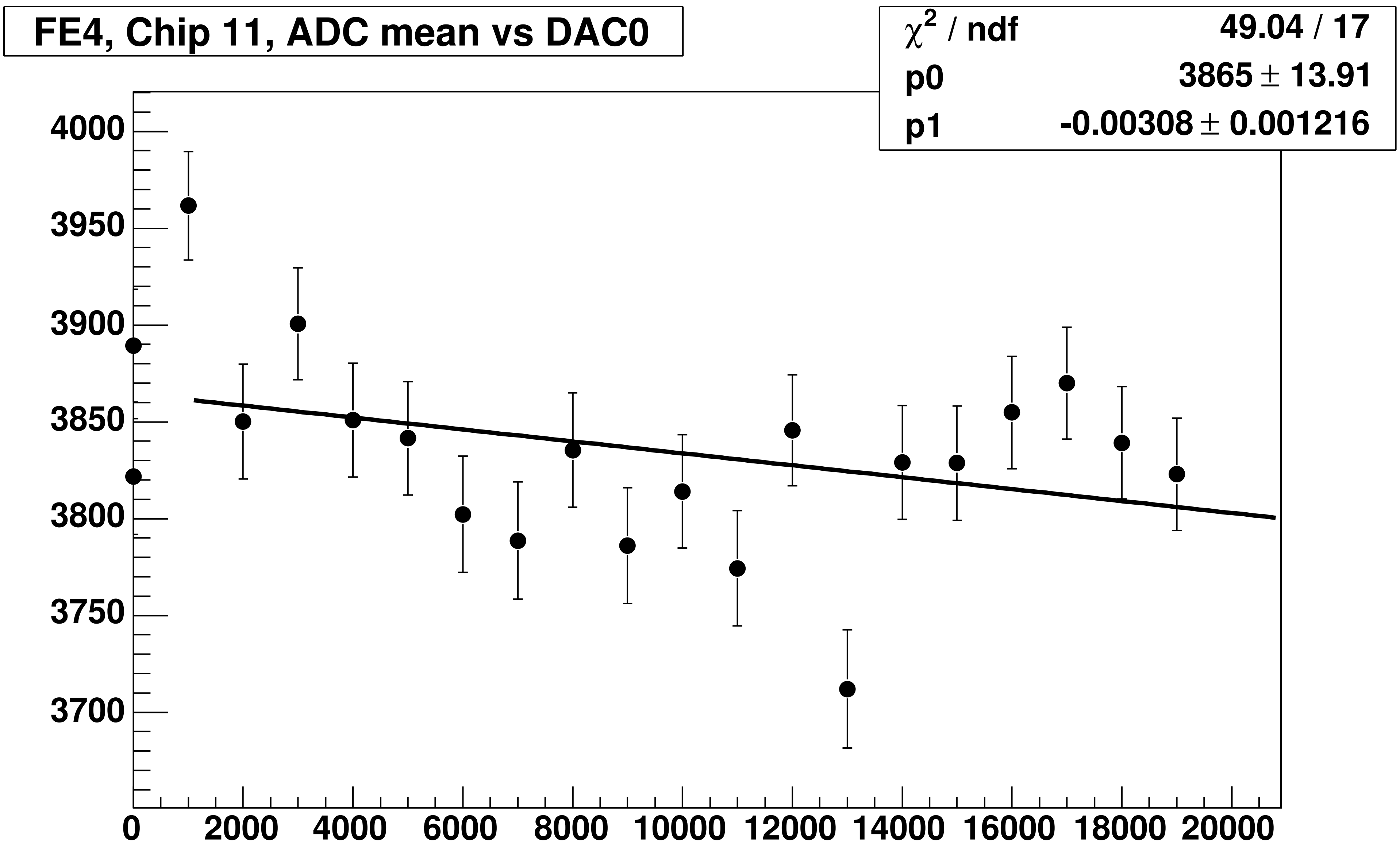
FE4, Chip 10, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

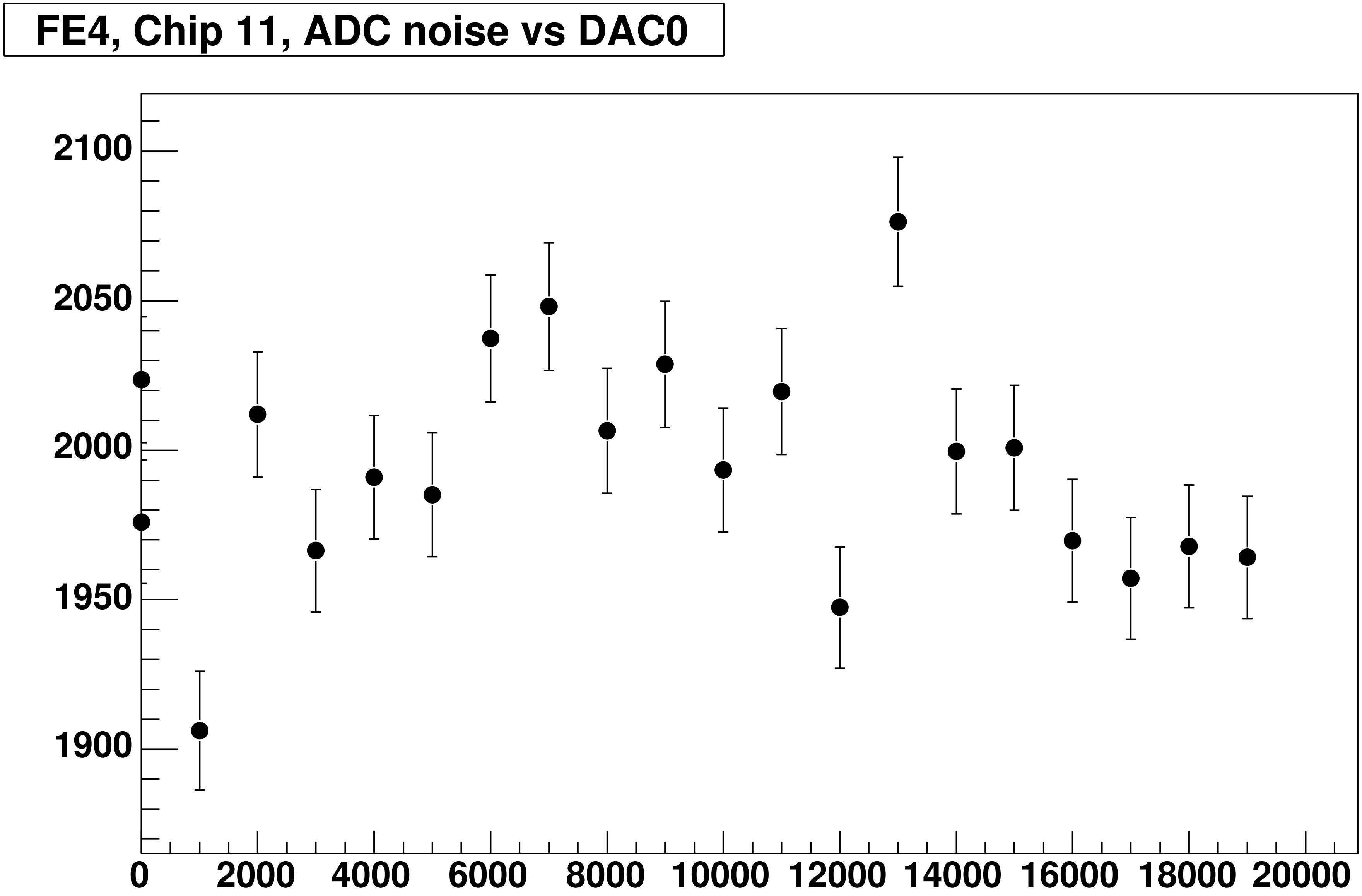

FE4, Chip 10, ADC mean vs DAC1
χ^2 / ndf 1.791e+05 / 17
p0 -23.23 ± 0.1238
p1 0.4514 ± 7.864e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 10, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

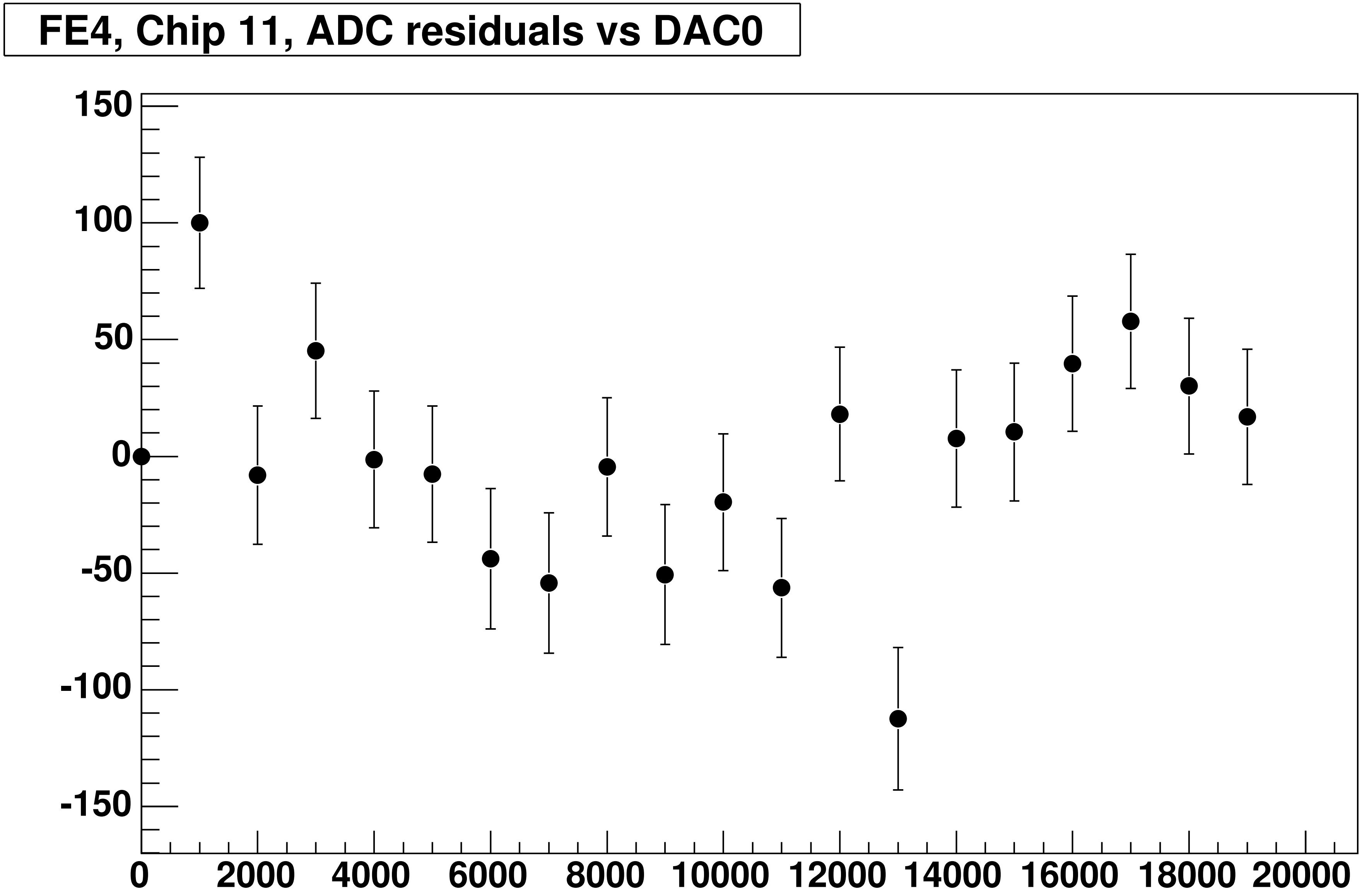


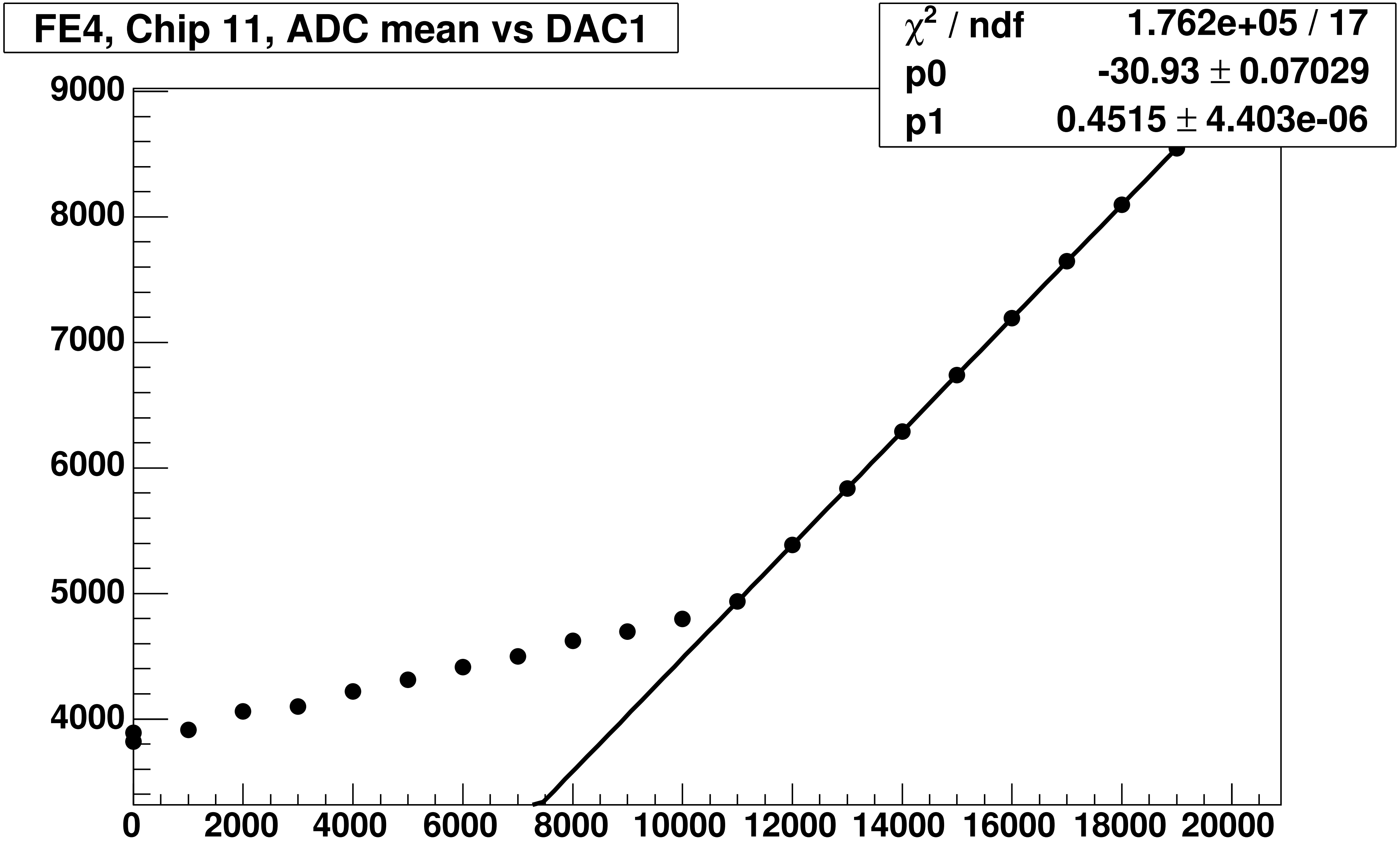
FE4, Chip 10, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 11, ADC mean vs DAC0
χ2 / ndf 49.04 / 17
p0 3865 ± 13.91
p1 -0.00308 ± 0.001216
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

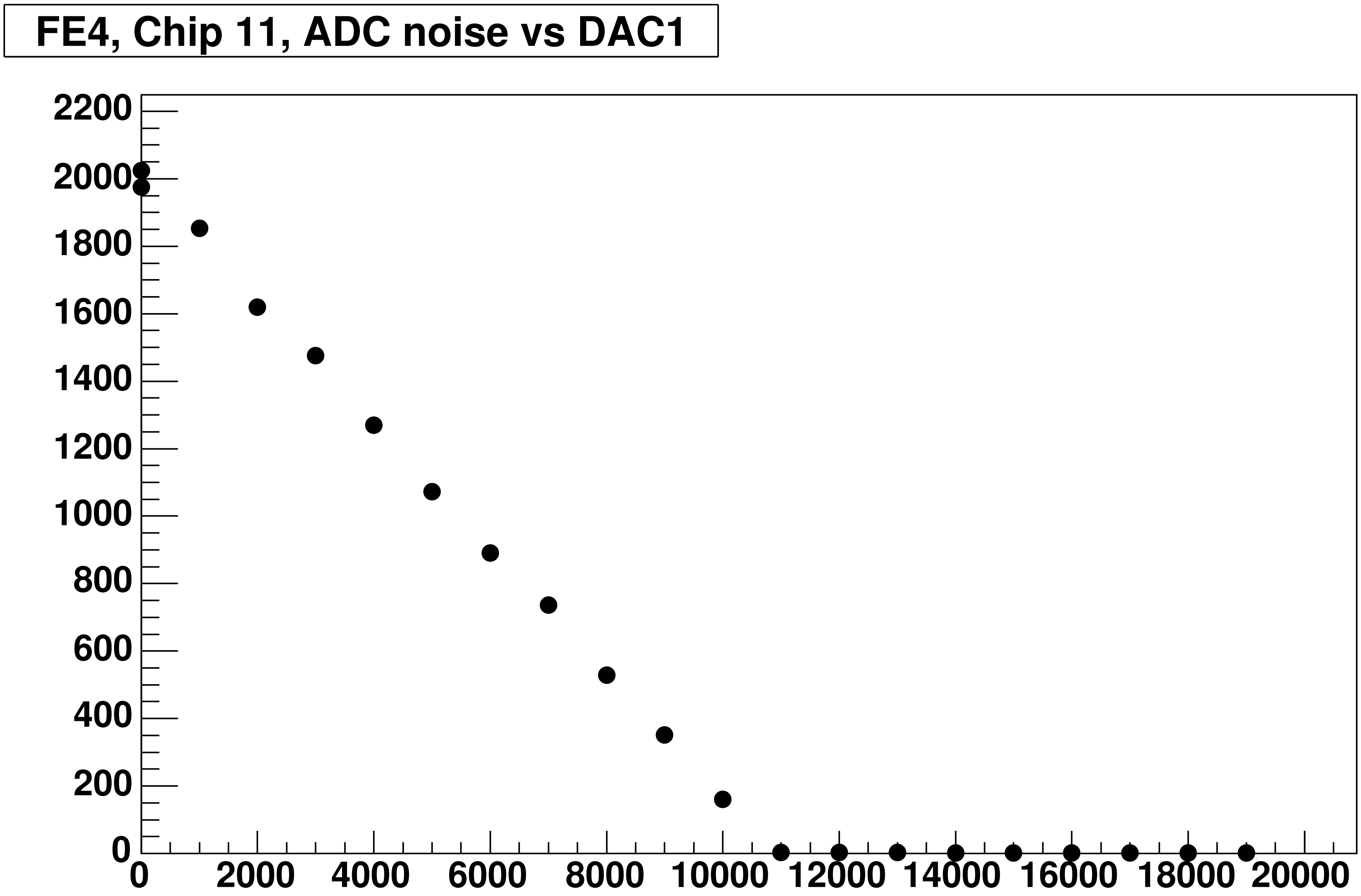


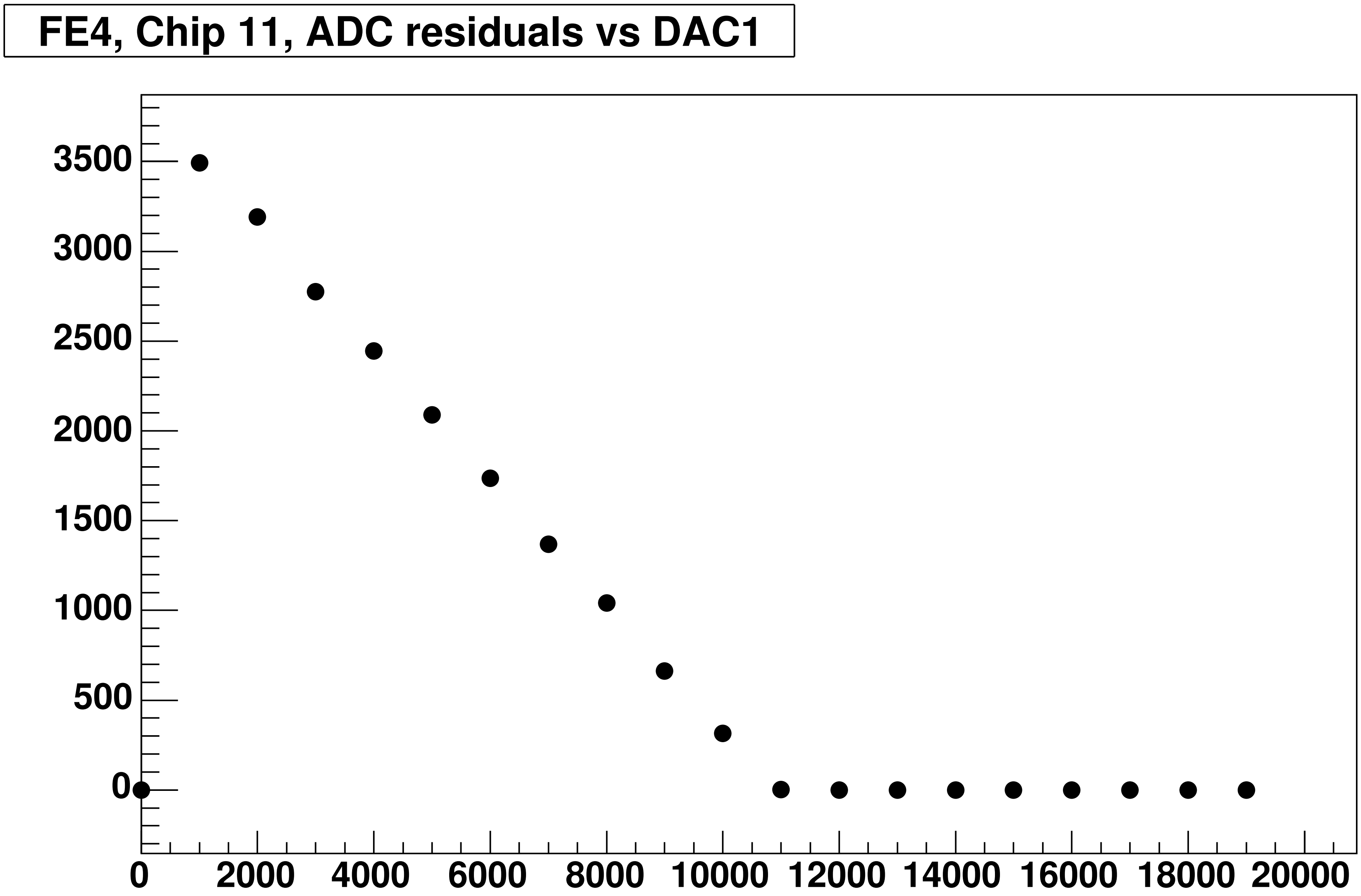
FE4, Chip 11, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

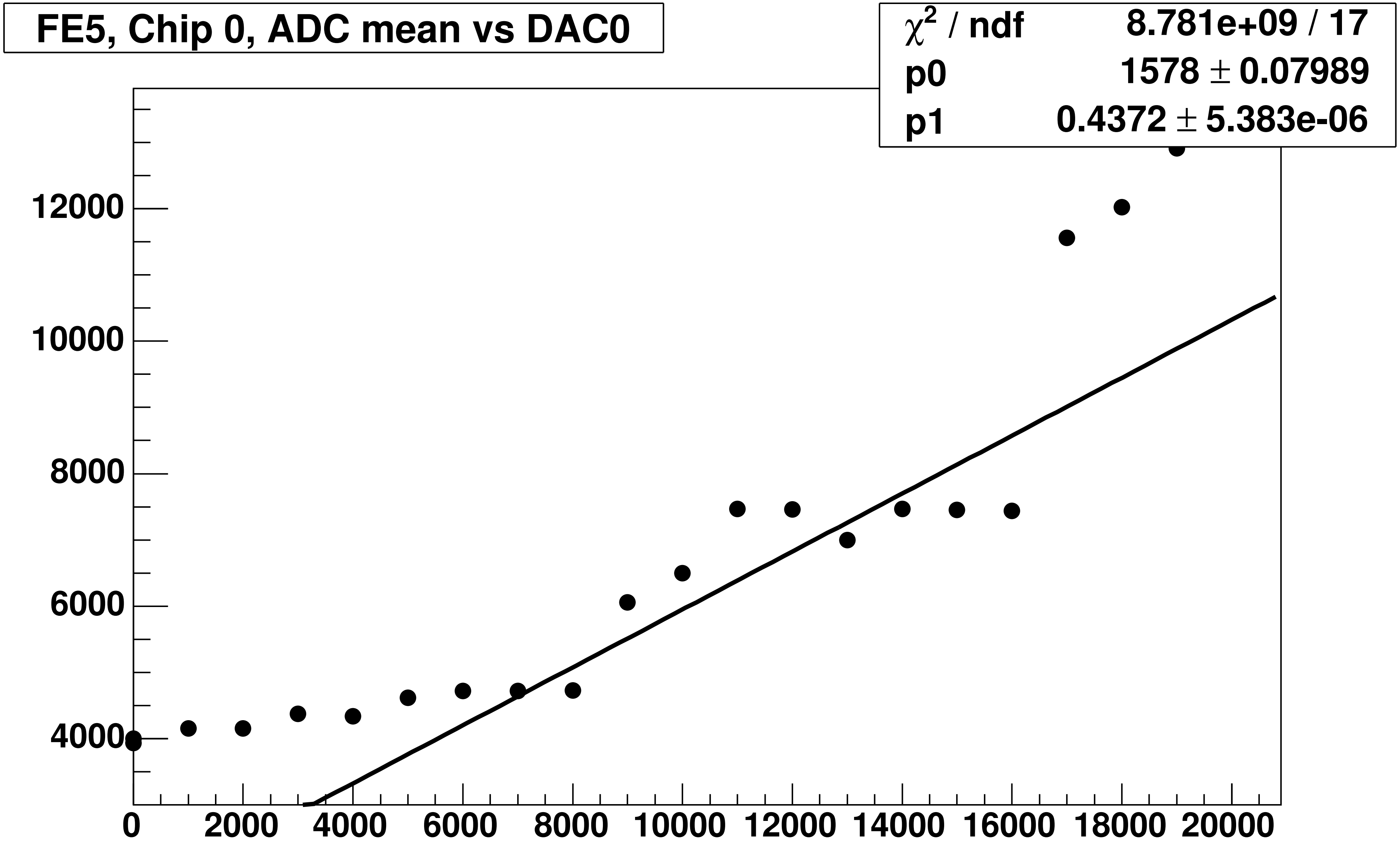

FE4, Chip 11, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



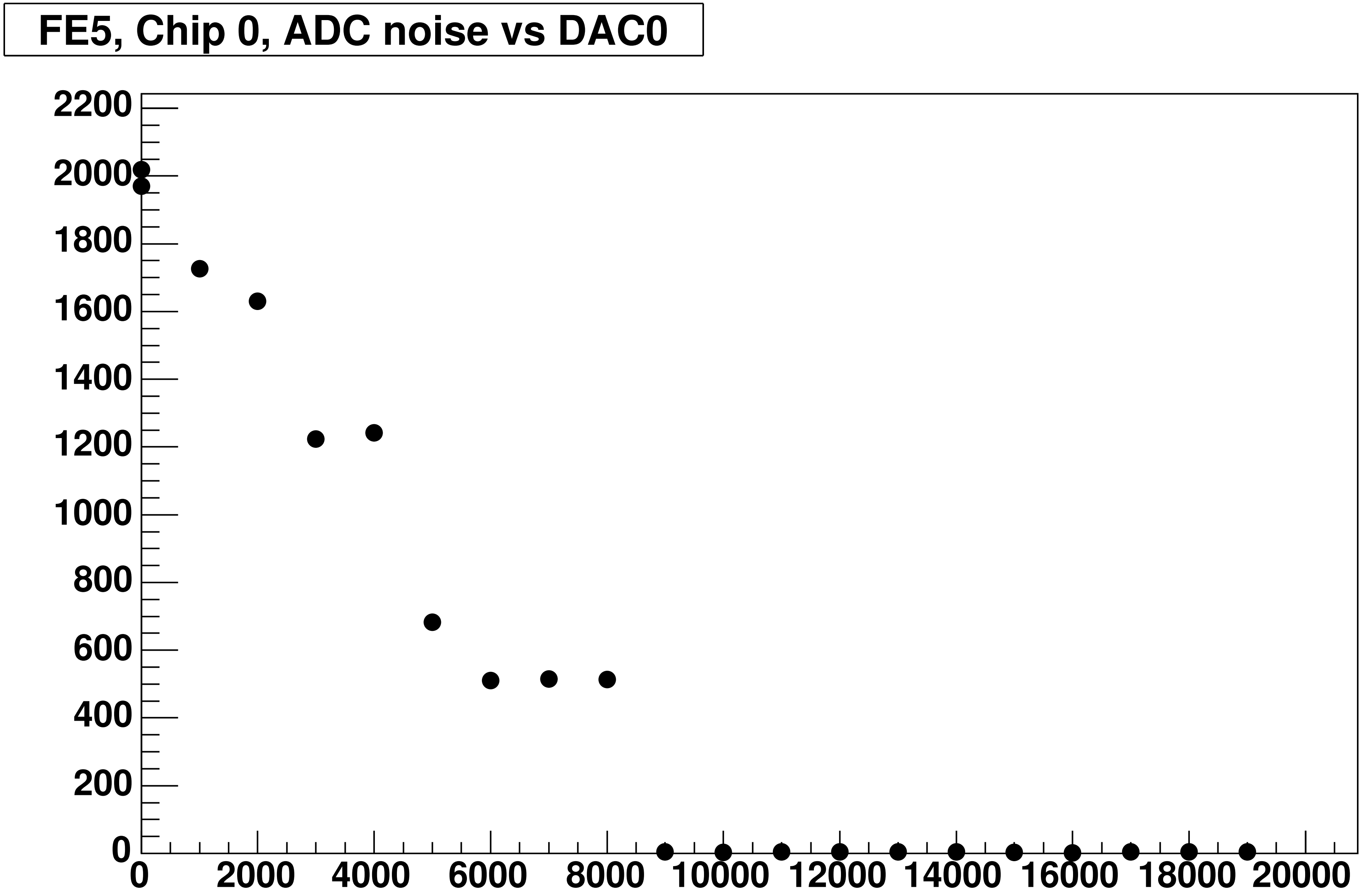
FE4, Chip 11, ADC mean vs DAC1
χ^2 / ndf 1.762e+05 / 17
p0 -30.93 ± 0.07029
p1 0.4515 ± 4.403e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE4, Chip 11, ADC noise vs DAC1
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

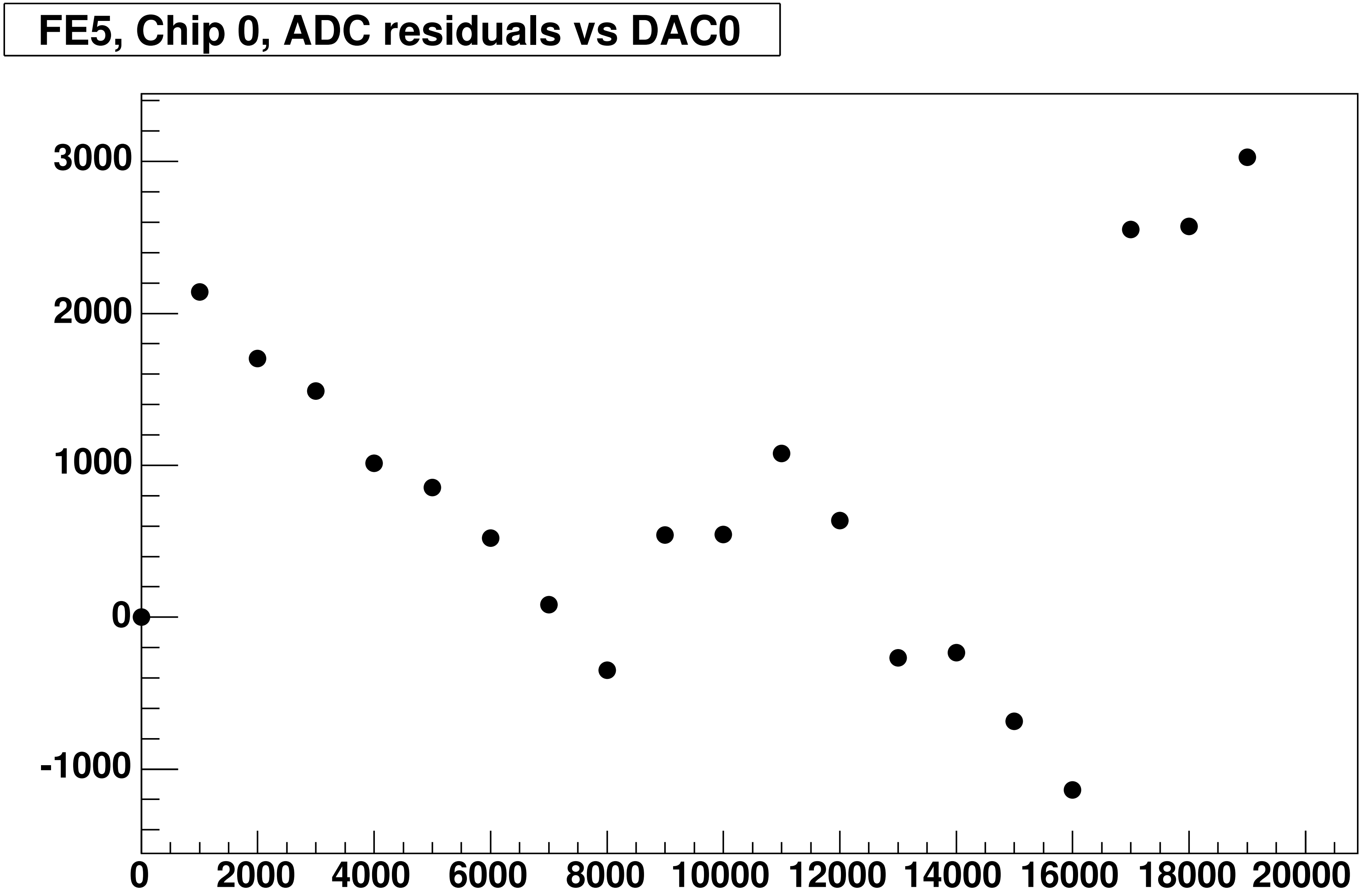

FE4, Chip 11, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



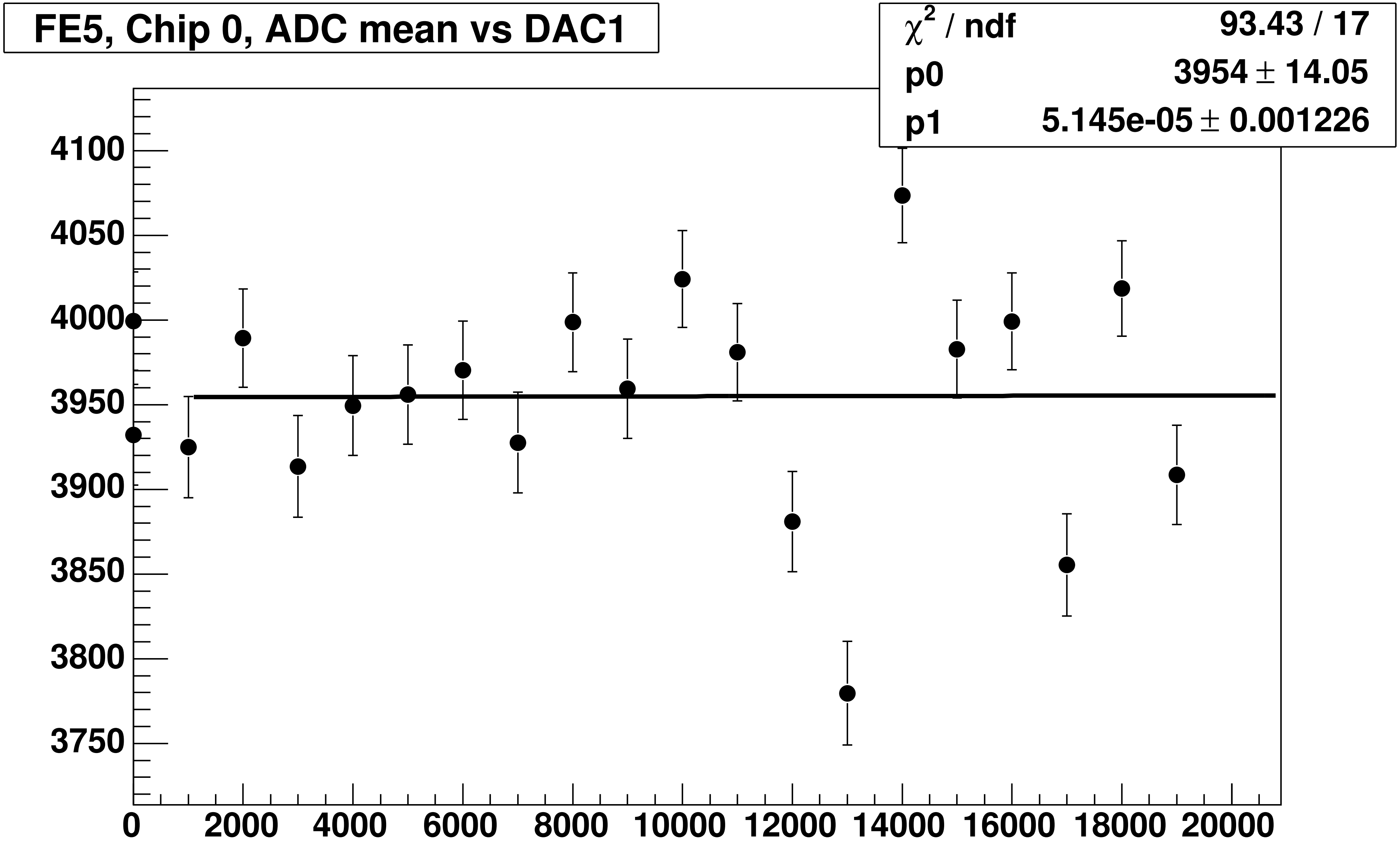
FE5, Chip 0, ADC mean vs DAC0
χ^2 / ndf 8.781e+09 / 17
p0 1578 ± 0.07989
p1 0.4372 ± 5.383e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



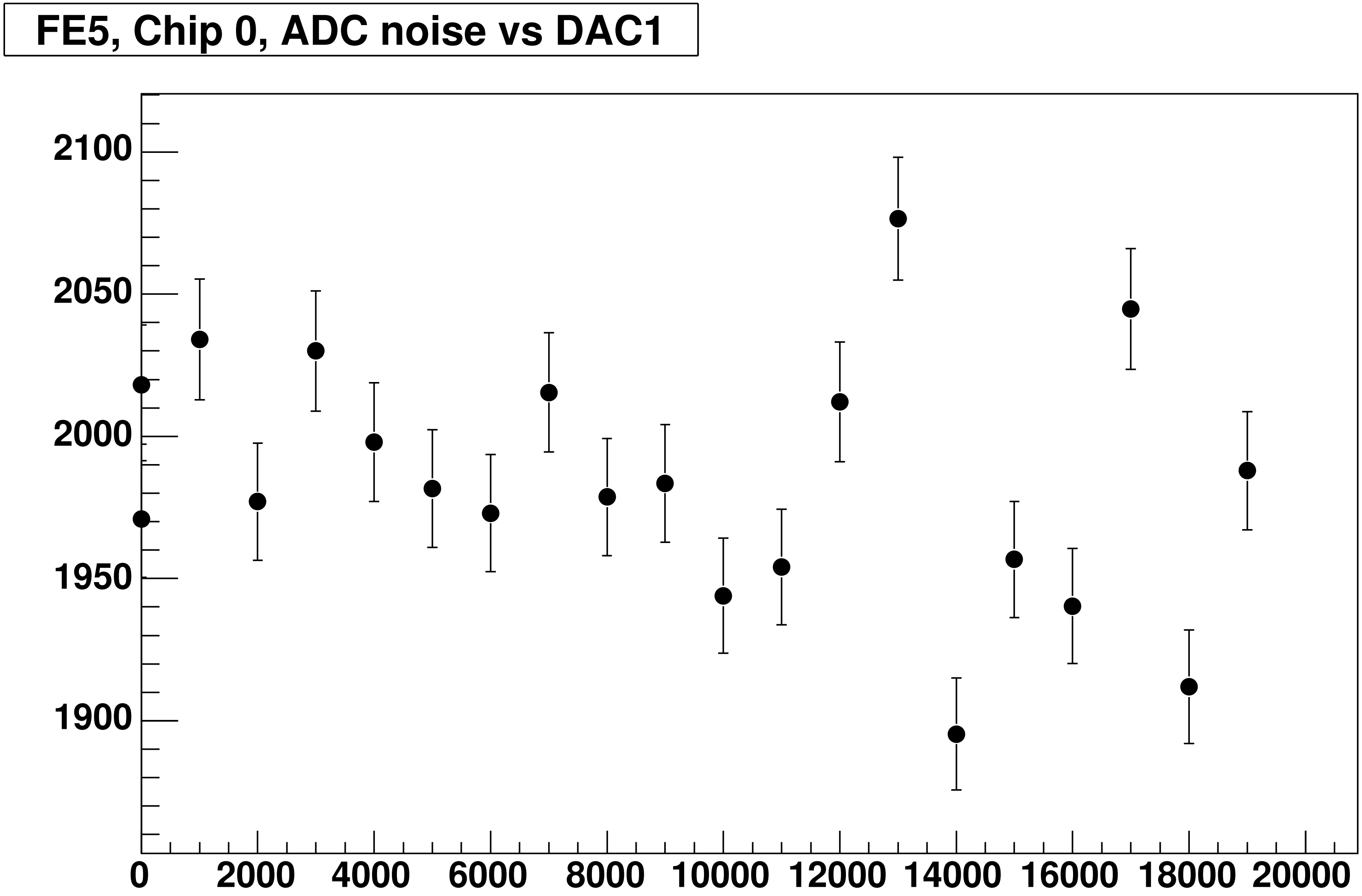
FE5, Chip 0, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



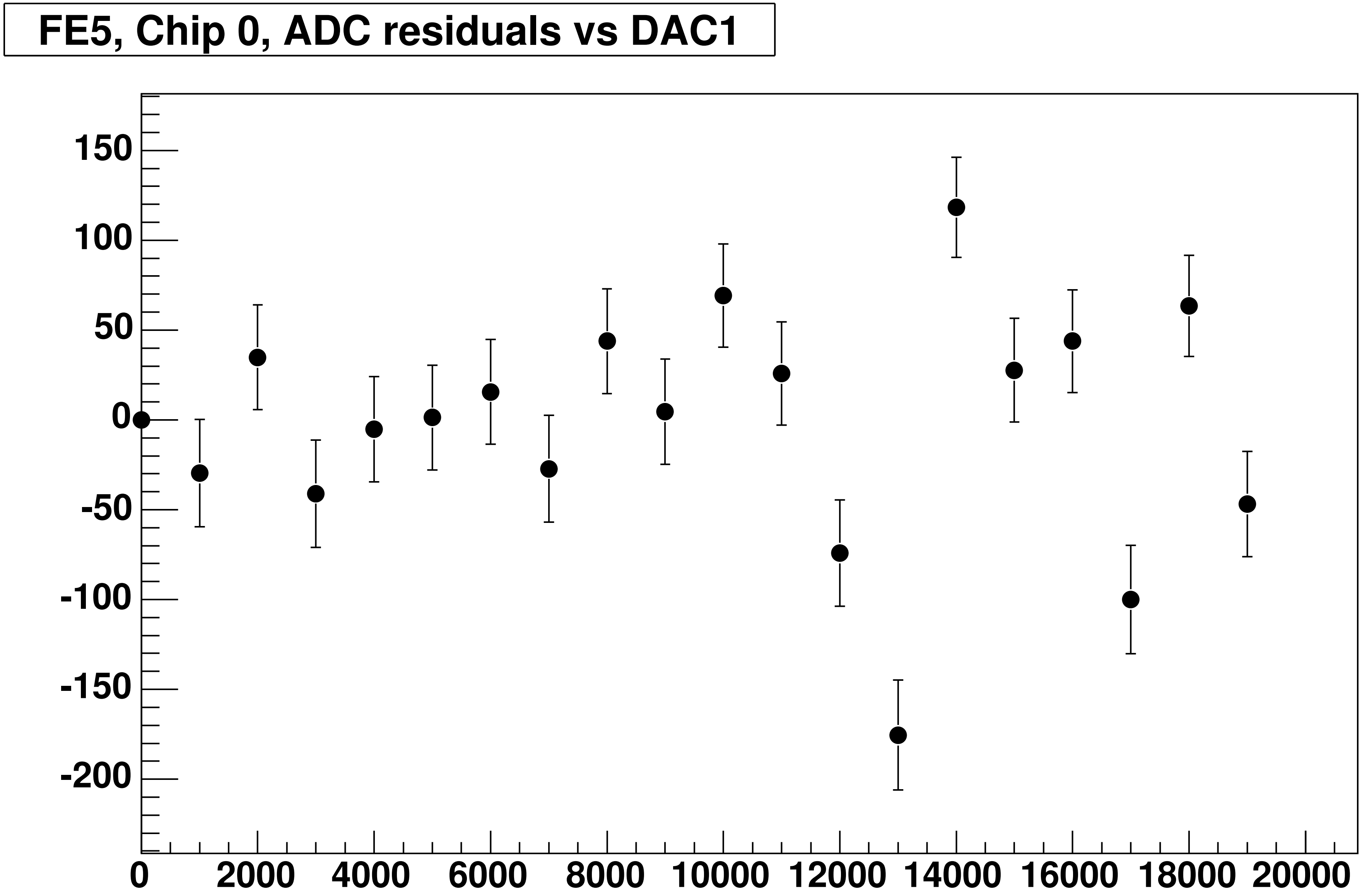
FE5, Chip 0, ADC residuals vs DAC0
3000
2000
1000
0
-1000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



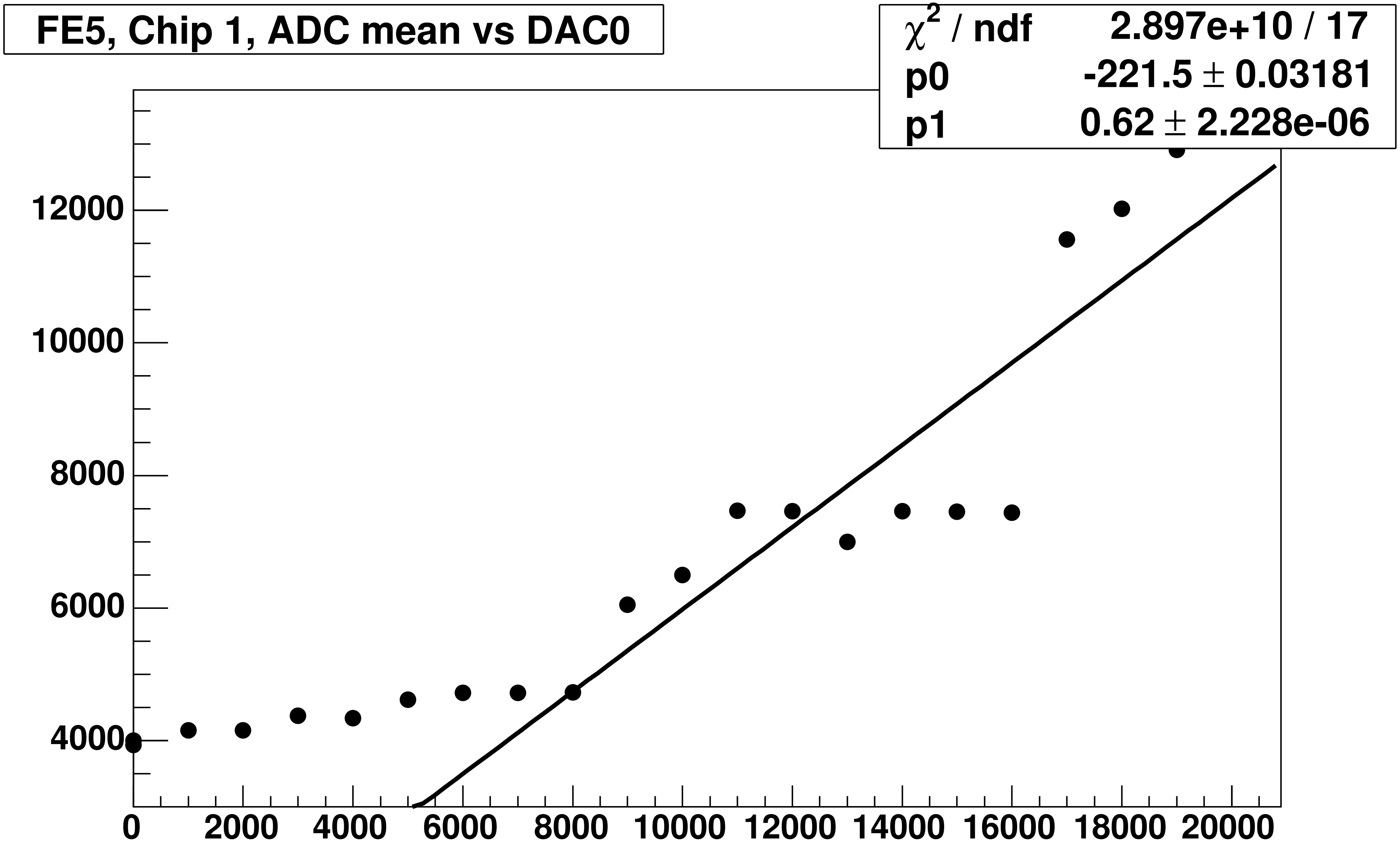
FE5, Chip 0, ADC mean vs DAC1
χ^2 / ndf 93.43 / 17
p0 3954 ± 14.05
p1 5.145e-05 ± 0.001226
4100
4050
4000
3950
3900
3850
3800
3750
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



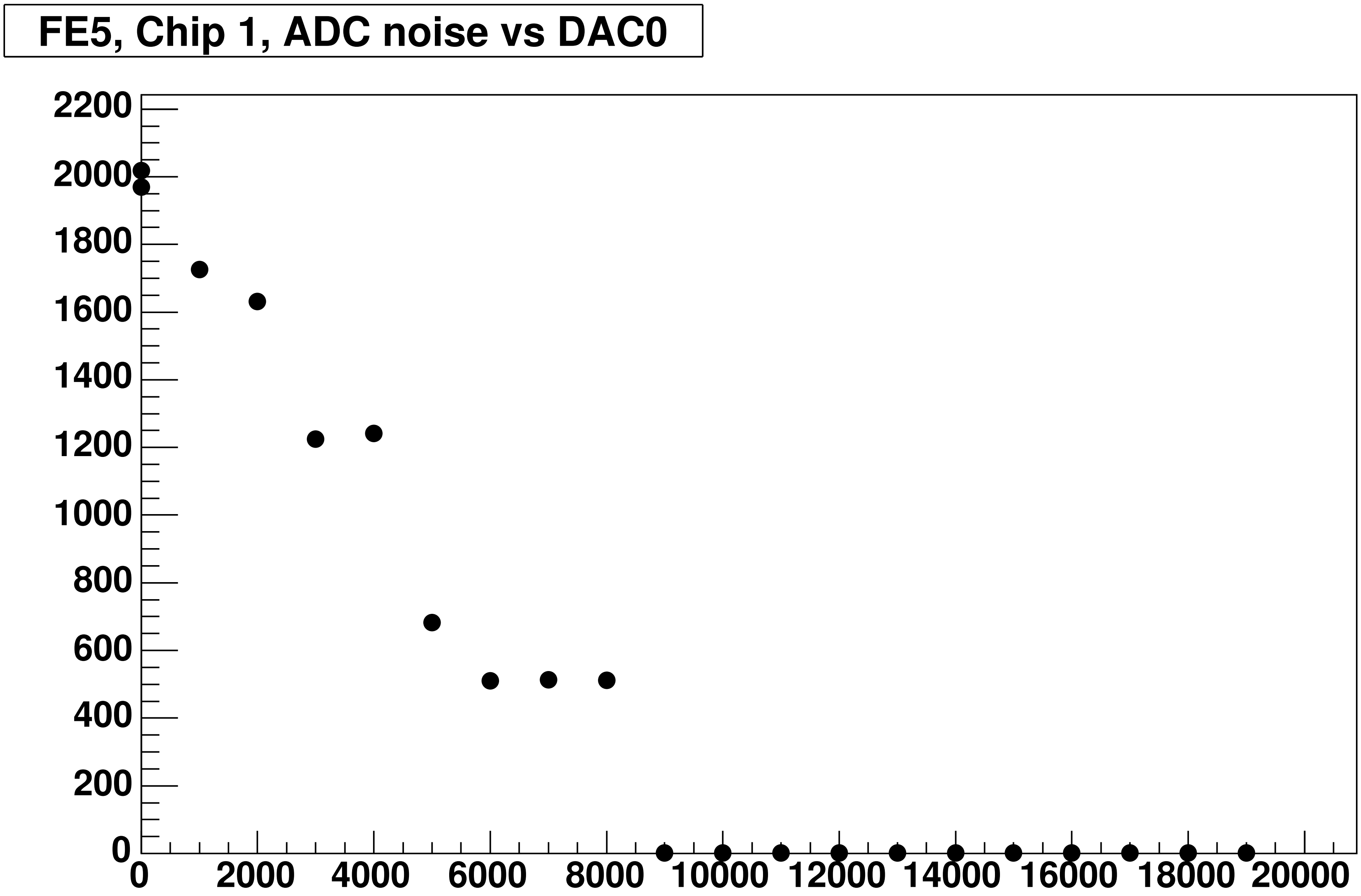
FE5, Chip 0, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

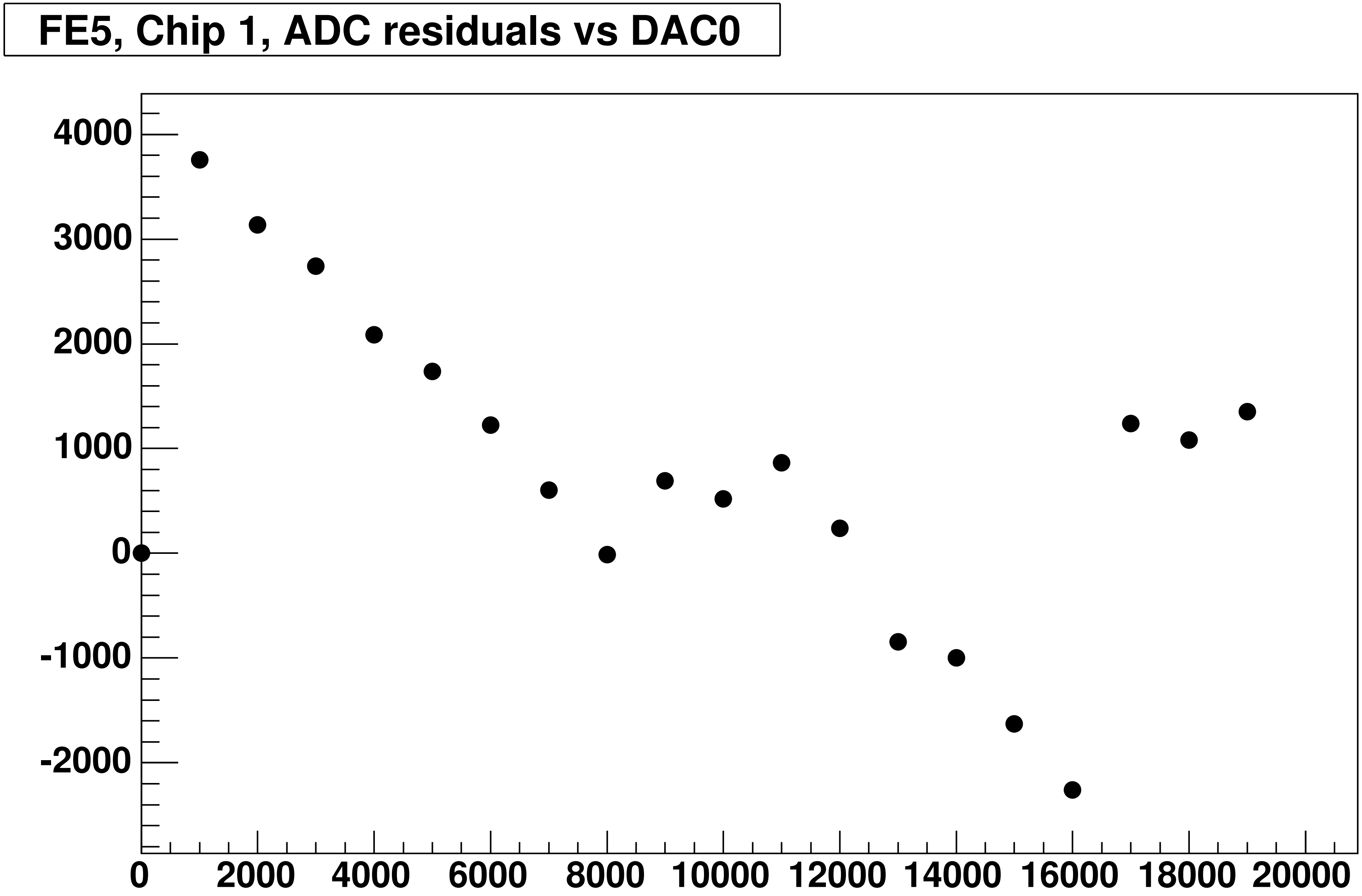


FE5, Chip 0, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

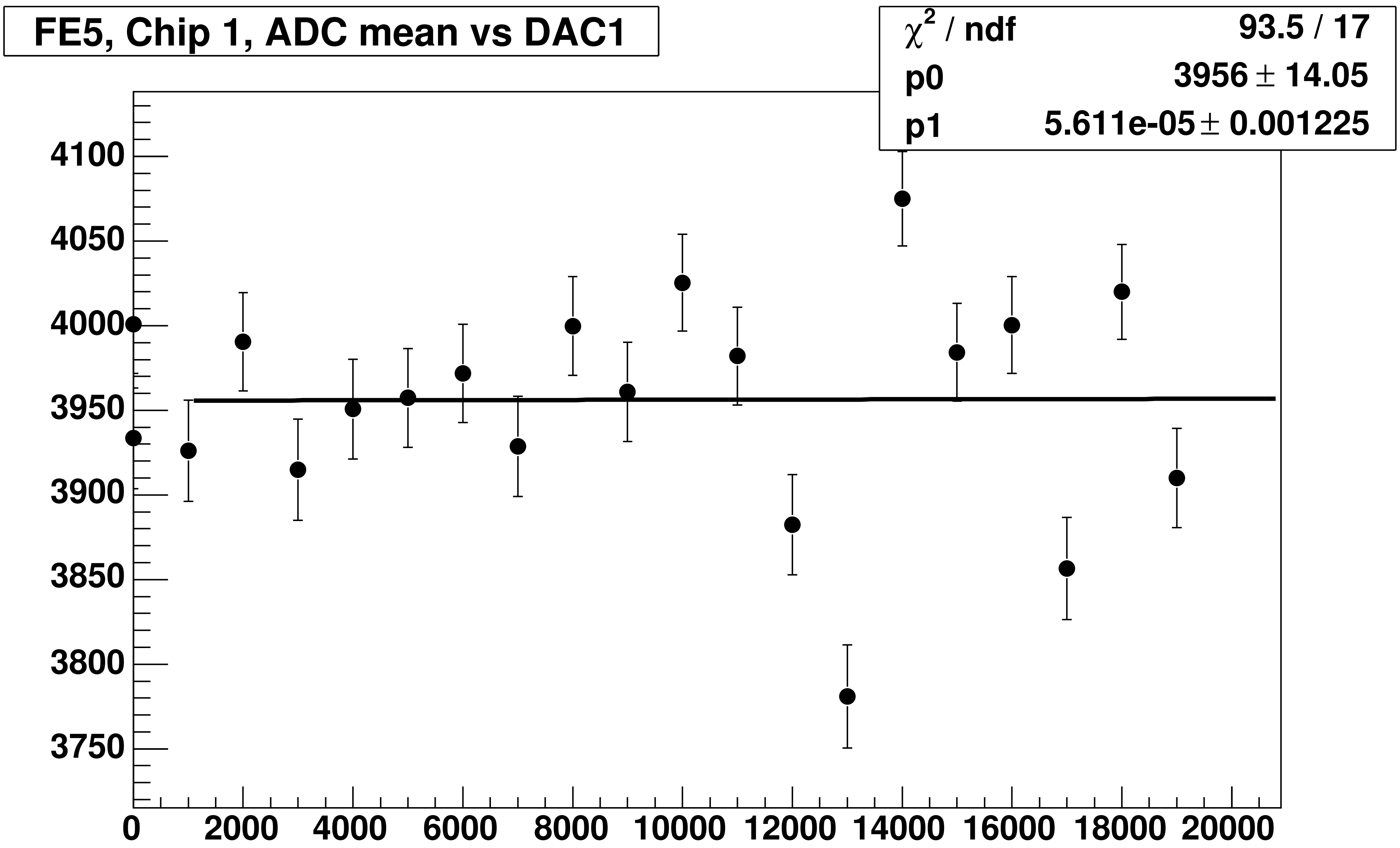


FE5, Chip 1, ADC mean vs DAC0
χ^2 / ndf 2.897e+10 / 17
p0 -221.5 ± 0.03181
p1 0.62 ± 2.228e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

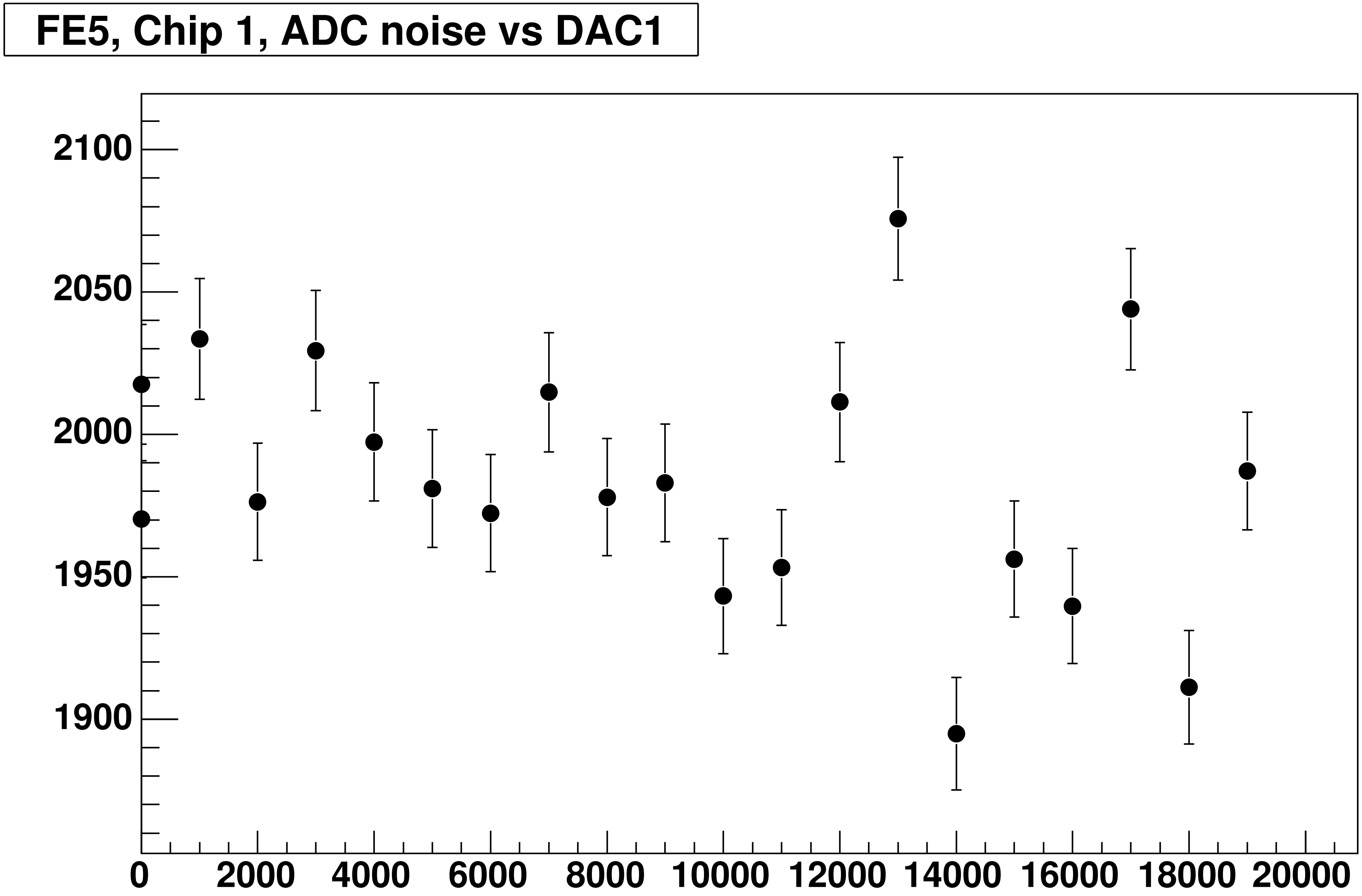

FE5, Chip 1, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

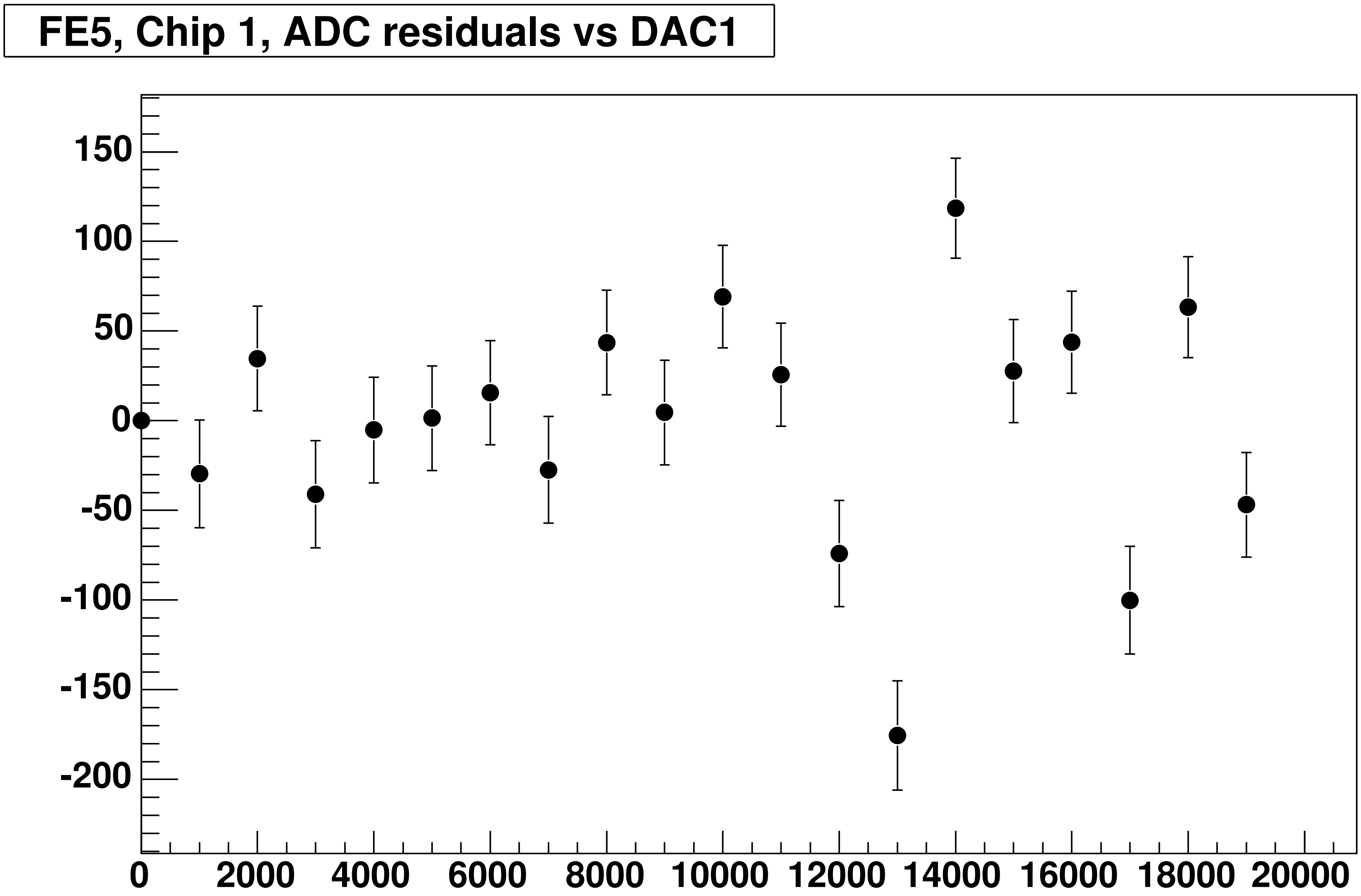


FE5, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

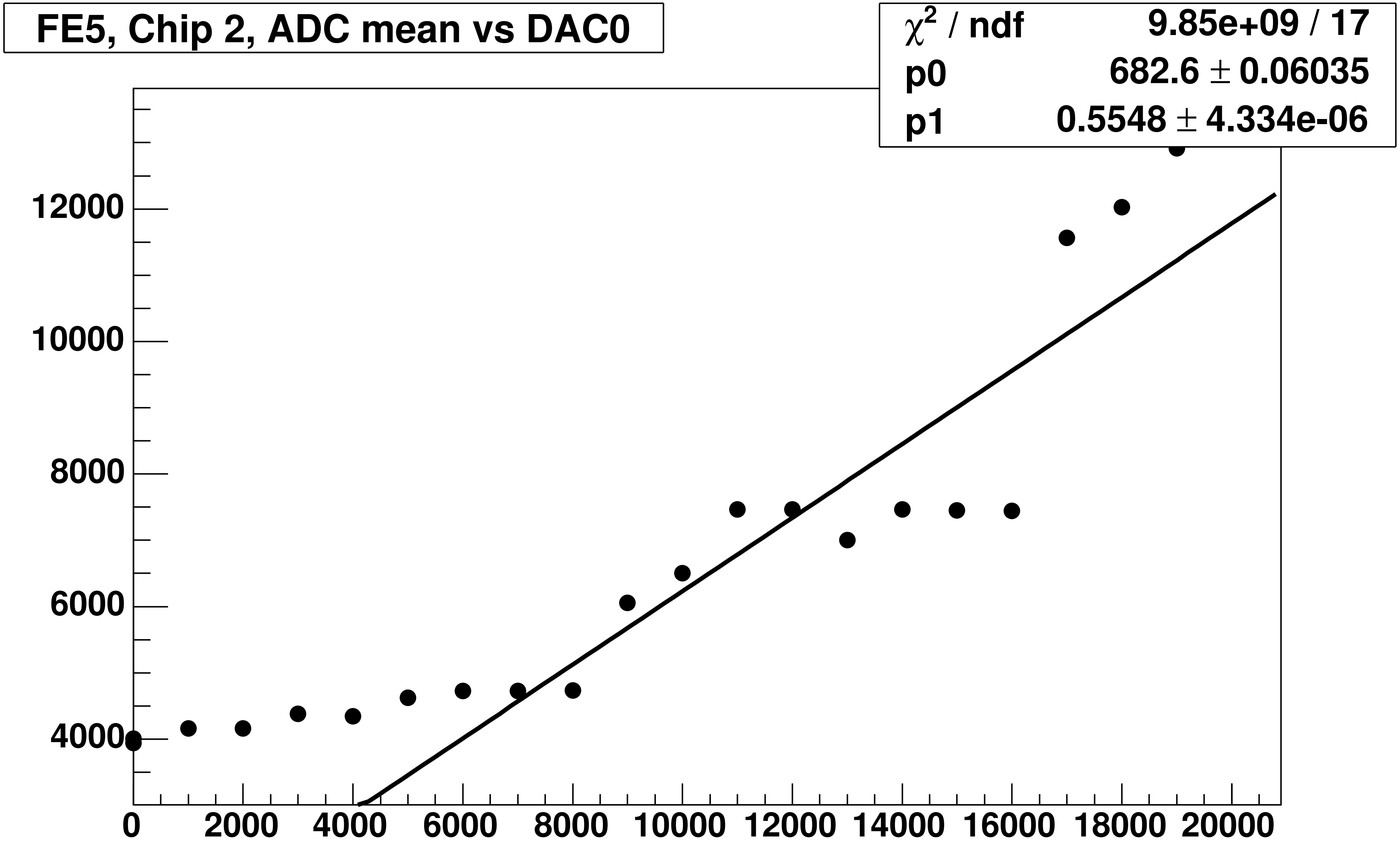


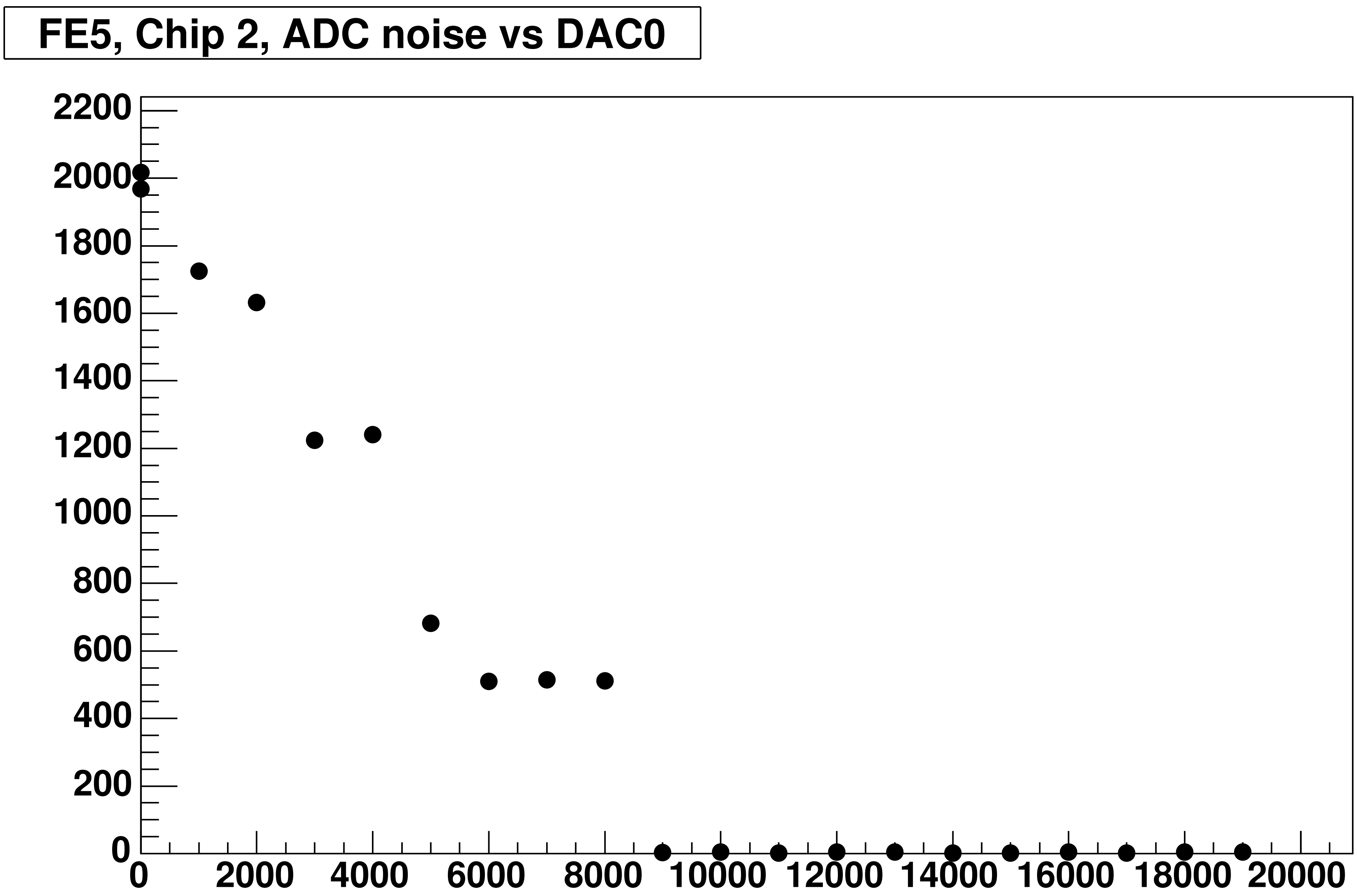
FE5, Chip 1, ADC mean vs DAC1
χ^2 / ndf 93.5 / 17
p0 3956 ± 14.05
p1 5.611e-05 ± 0.001225
4100
4050
4000
3950
3900
3850
3800
3750
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

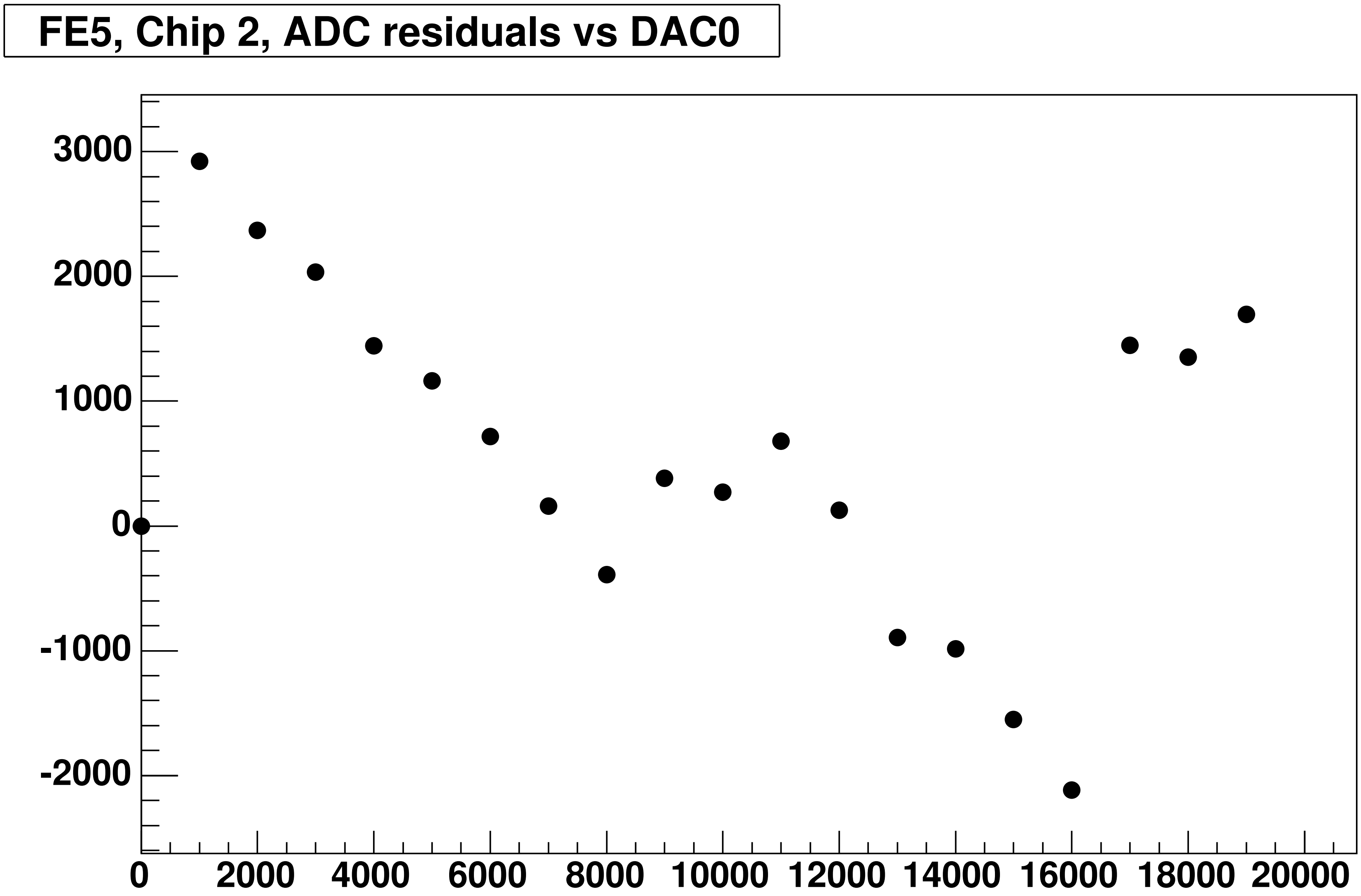

FE5, Chip 1, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

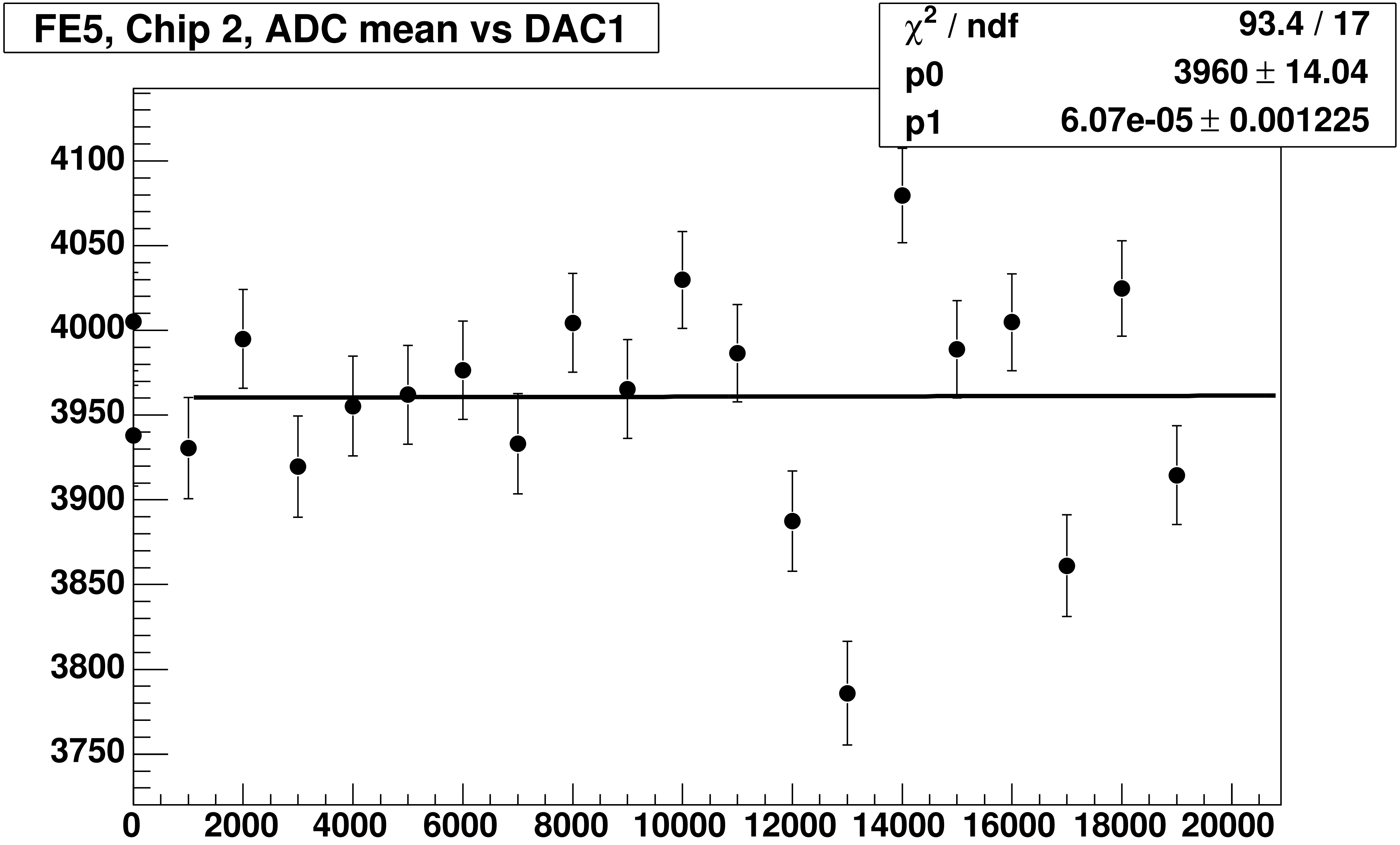


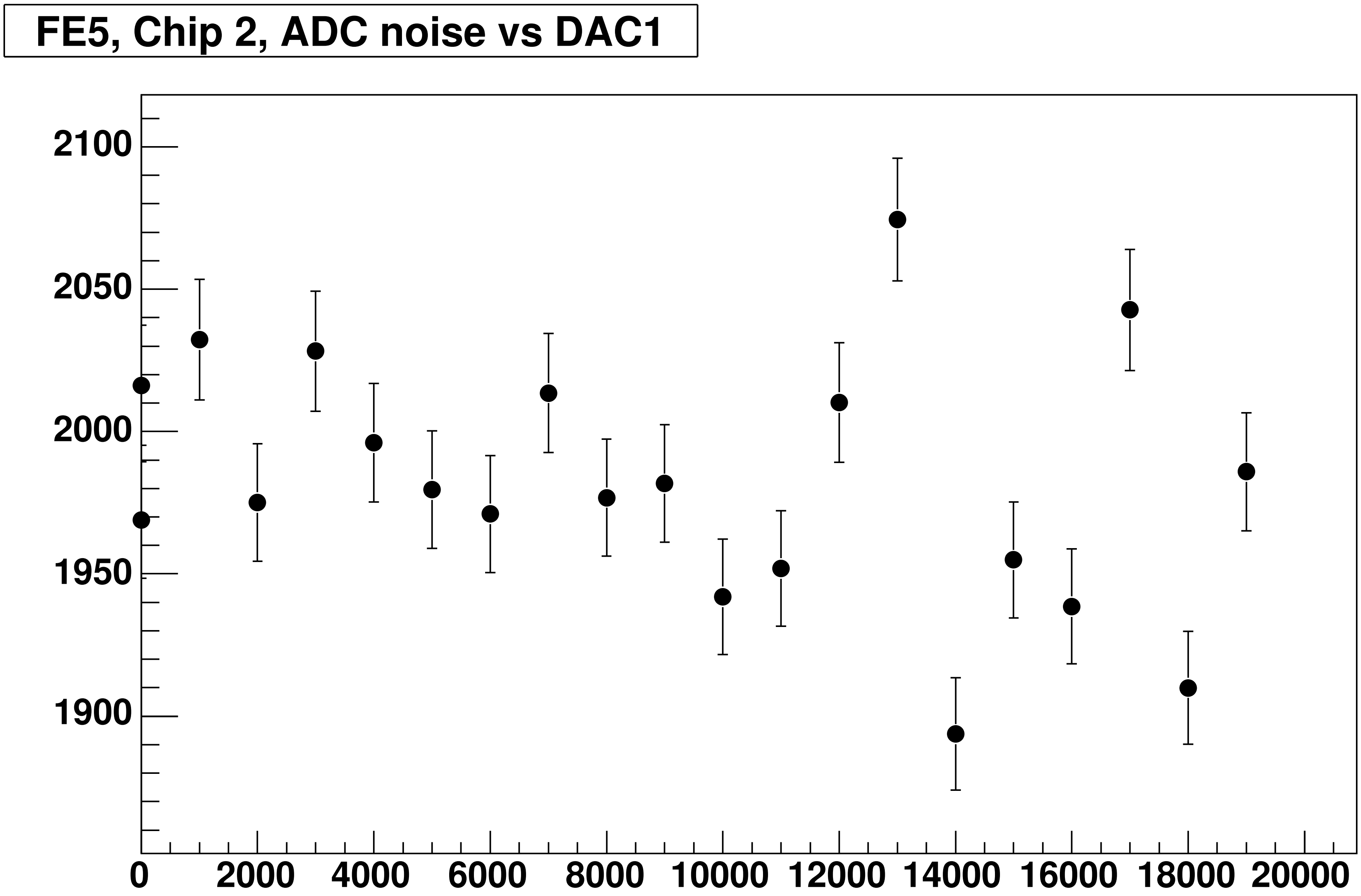
FE5, Chip 1, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 2, ADC mean vs DAC0
χ^2 / ndf 9.85e+09 / 17
p0 682.6 ± 0.06035
p1 0.5548 ± 4.334e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

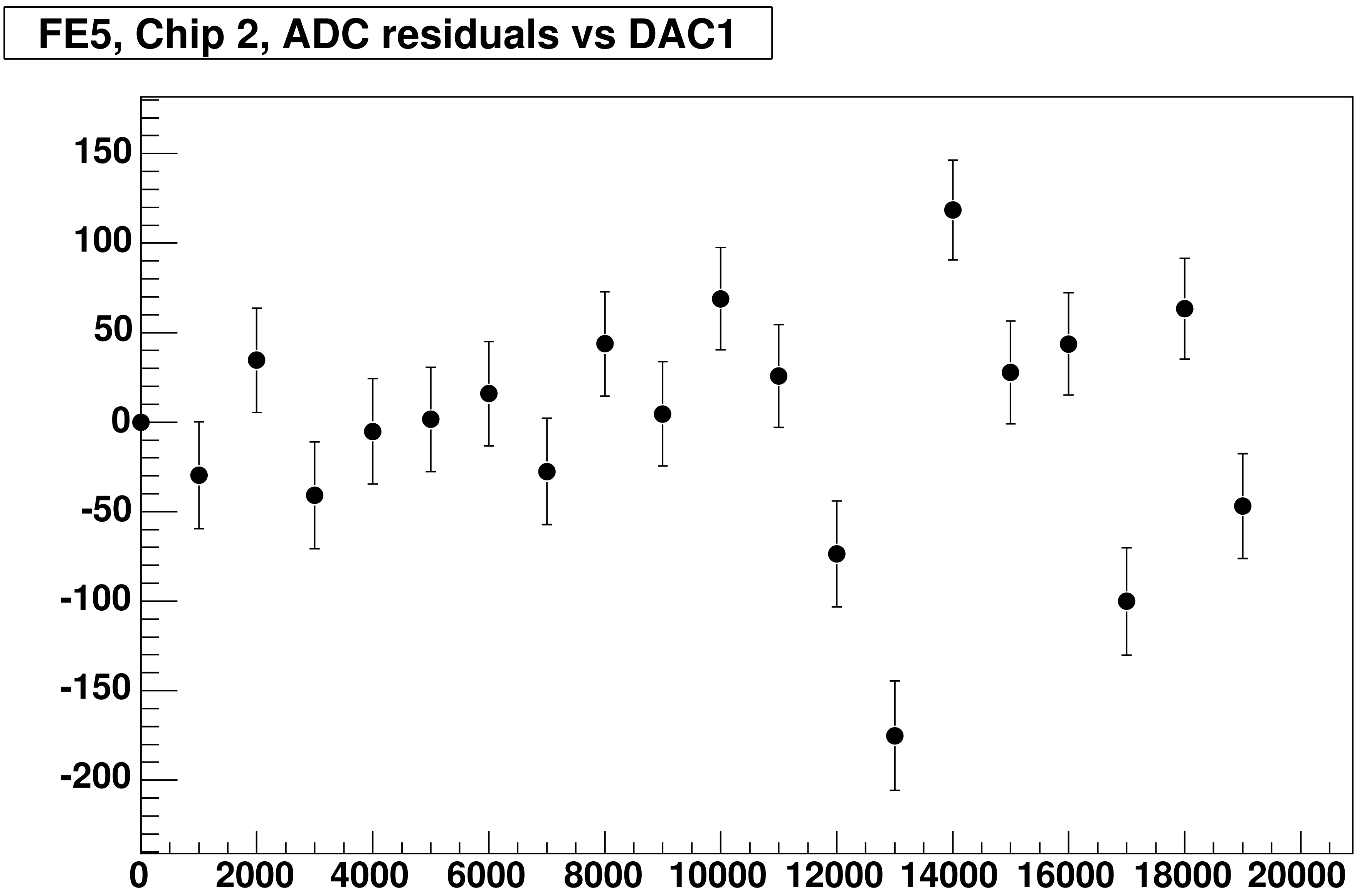

FE5, Chip 2, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 2, ADC residuals vs DAC0
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

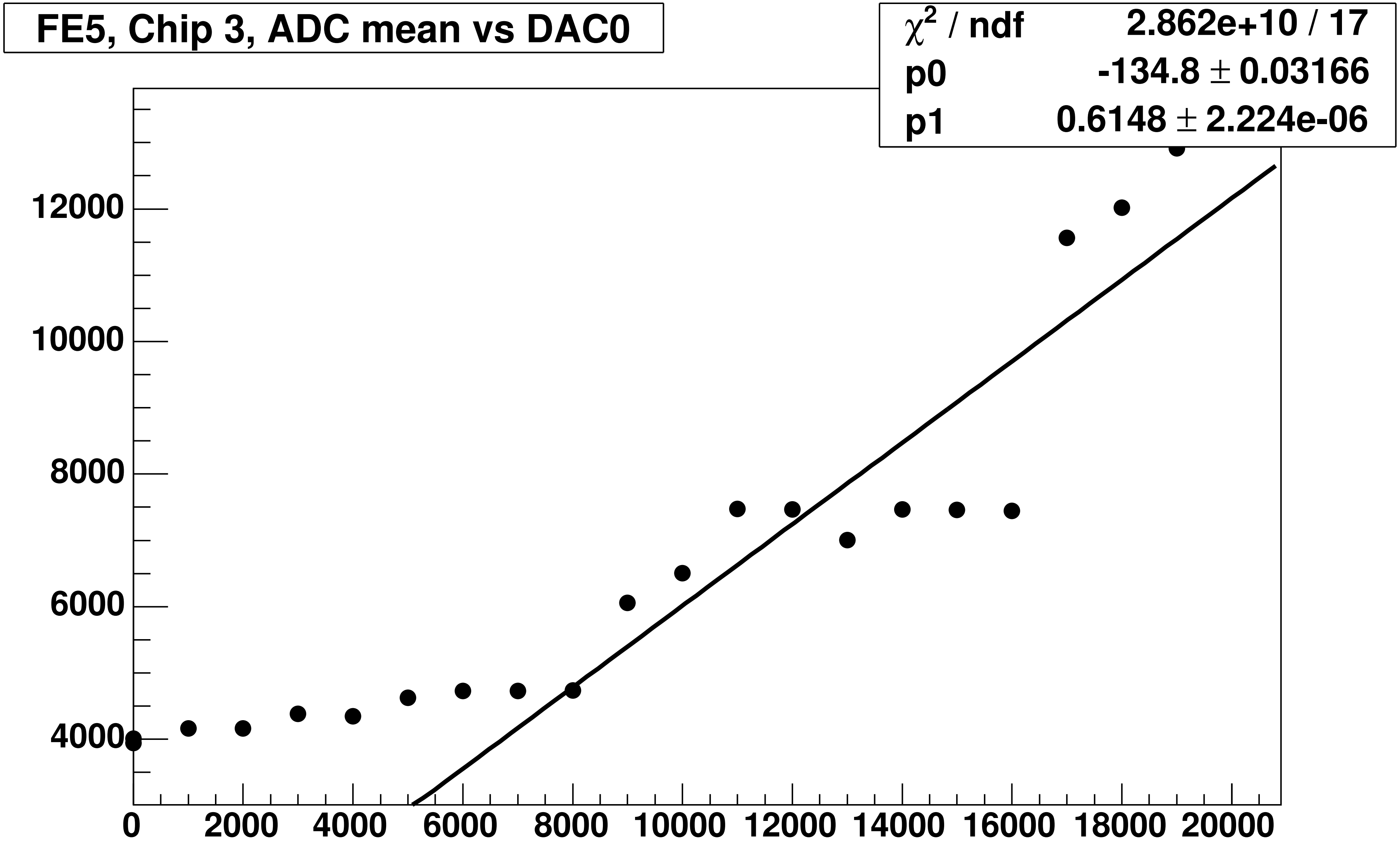

FE5, Chip 2, ADC mean vs DAC1
χ² / ndf 93.4 / 17
p0 3960 ± 14.04
p1 6.07e-05 ± 0.001225
4100
4050
4000
3950
3900
3850
3800
3750
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

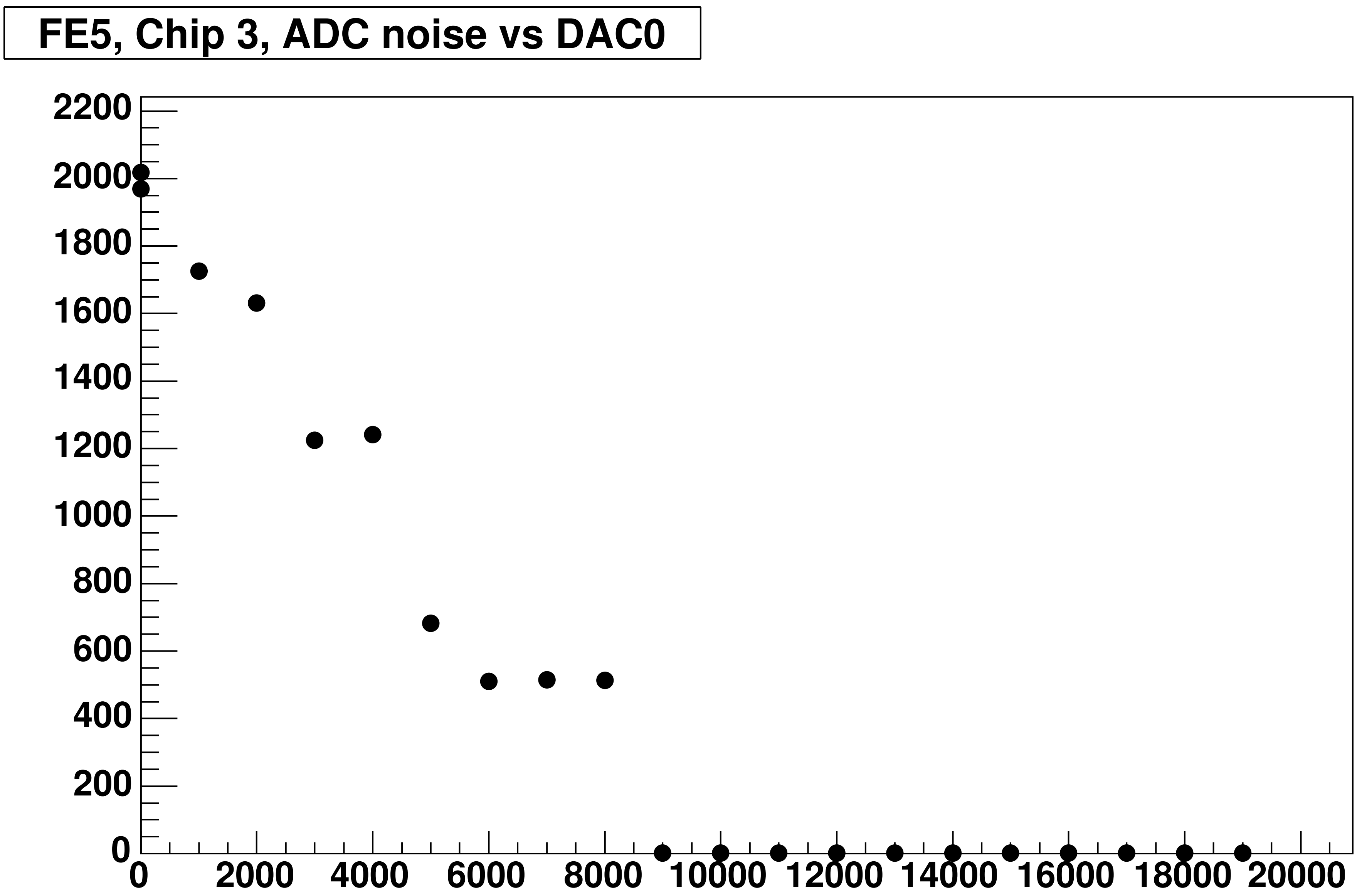


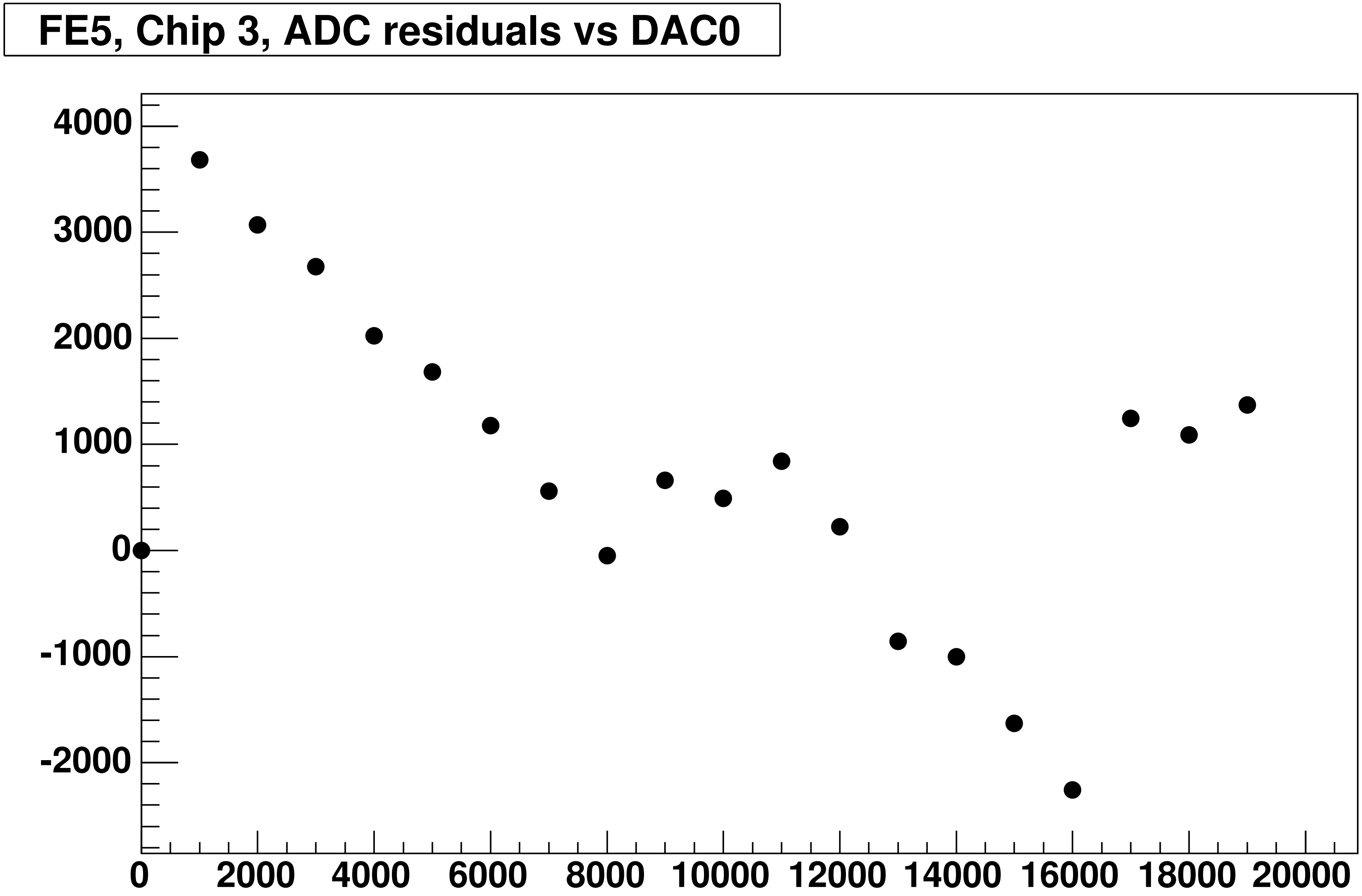
FE5, Chip 2, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

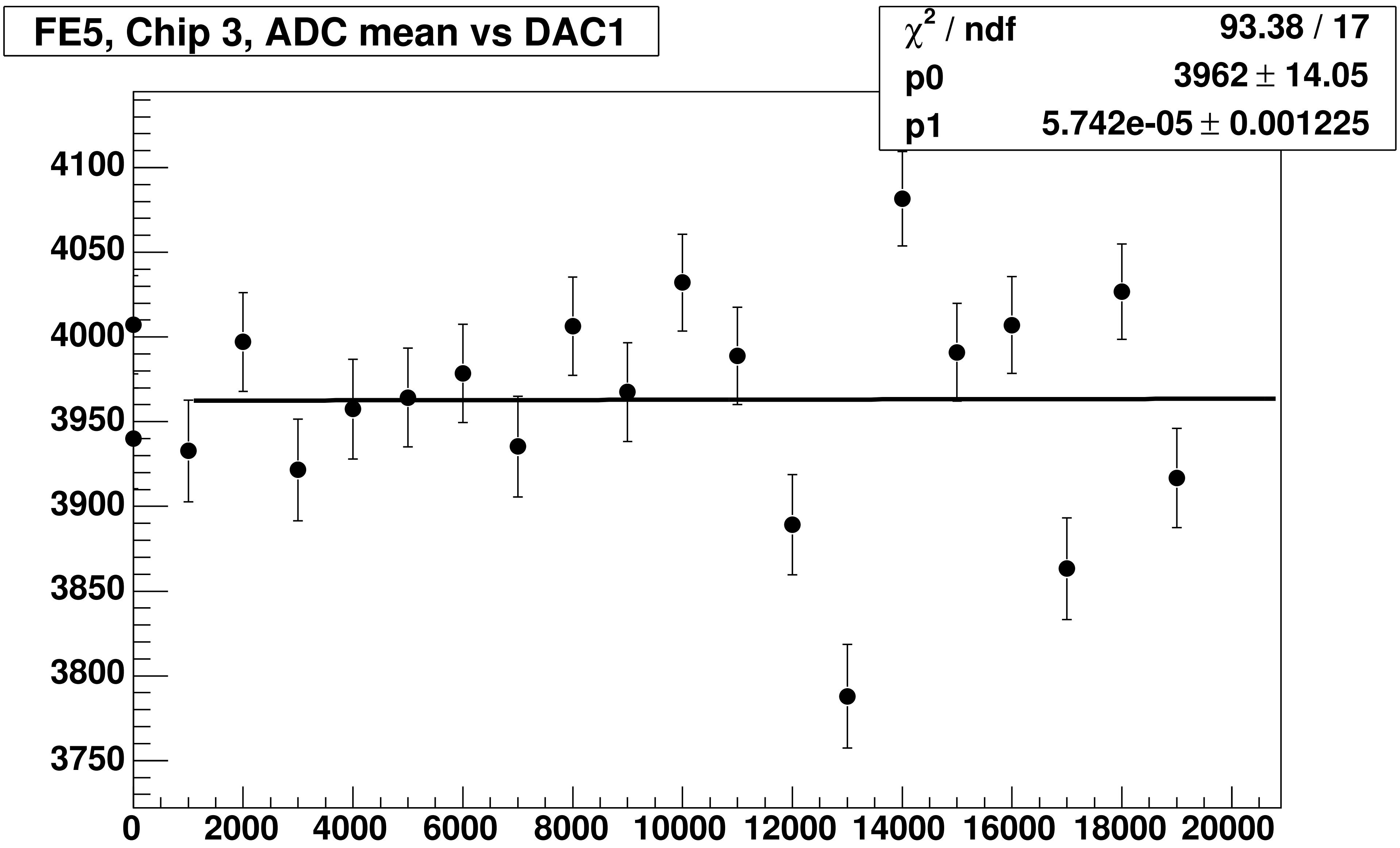


FE5, Chip 2, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

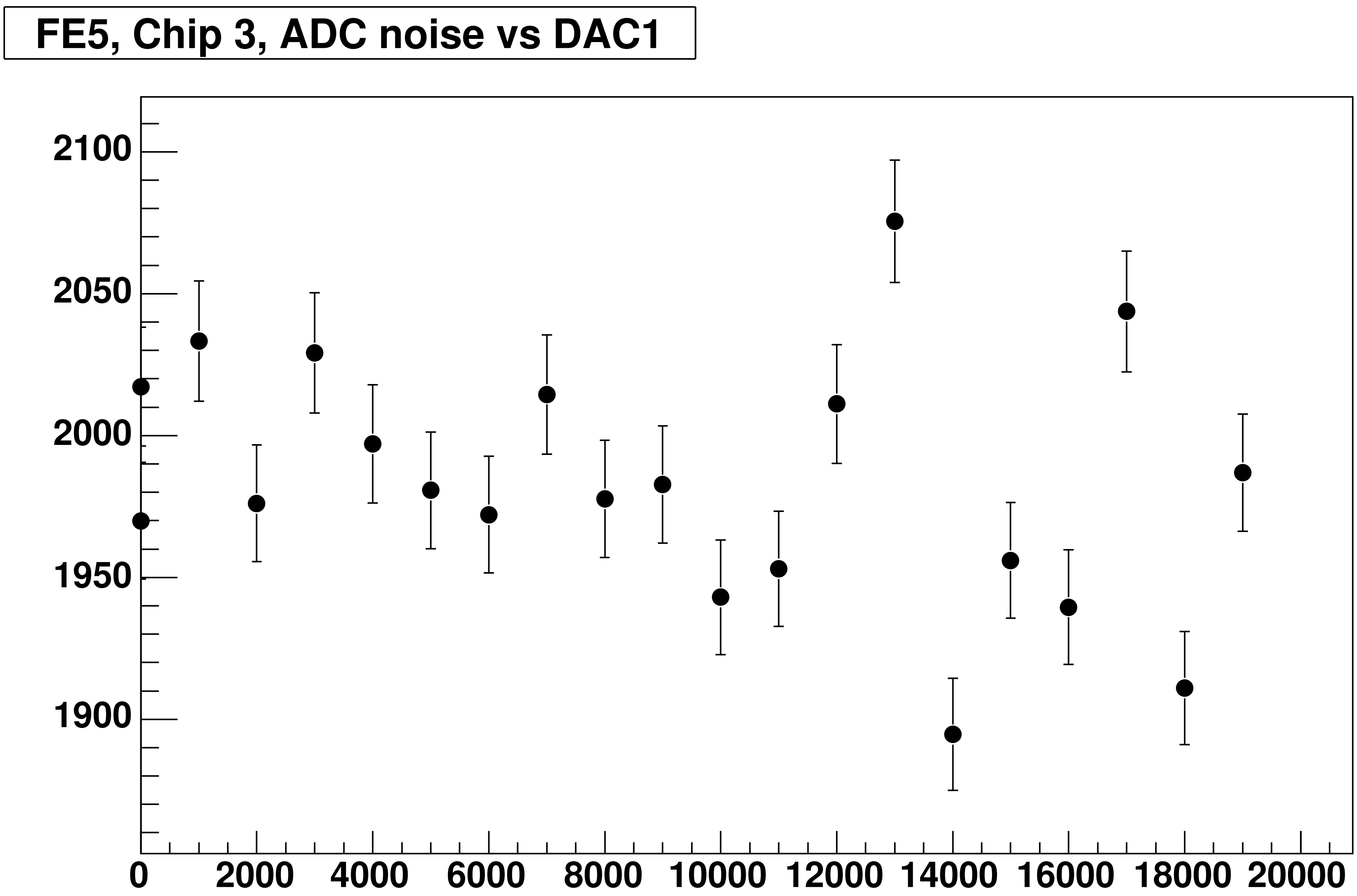

FE5, Chip 3, ADC mean vs DAC0
χ^2 / ndf 2.862e+10 / 17
p0 -134.8 ± 0.03166
p1 0.6148 ± 2.224e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

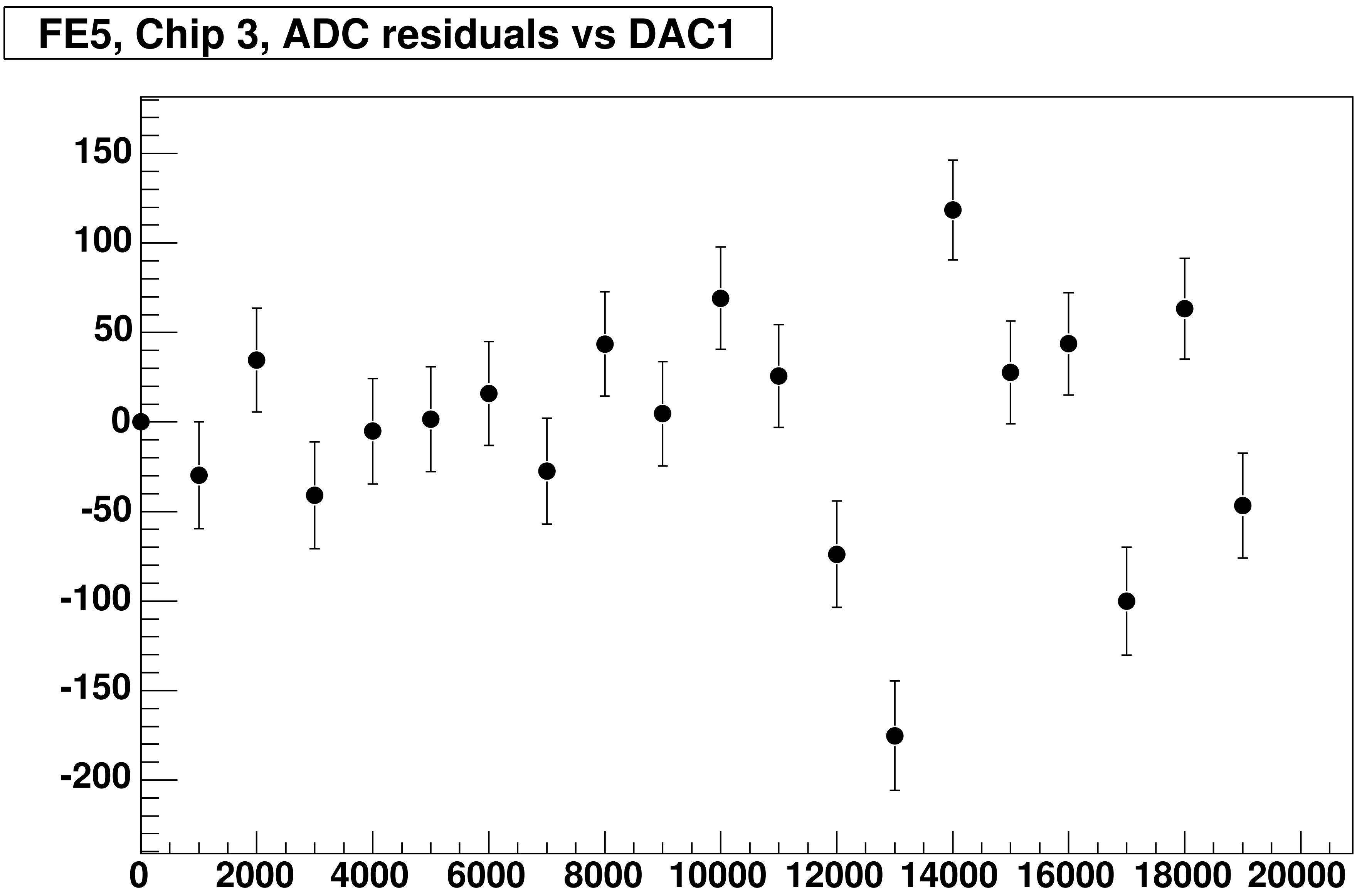

FE5, Chip 3, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

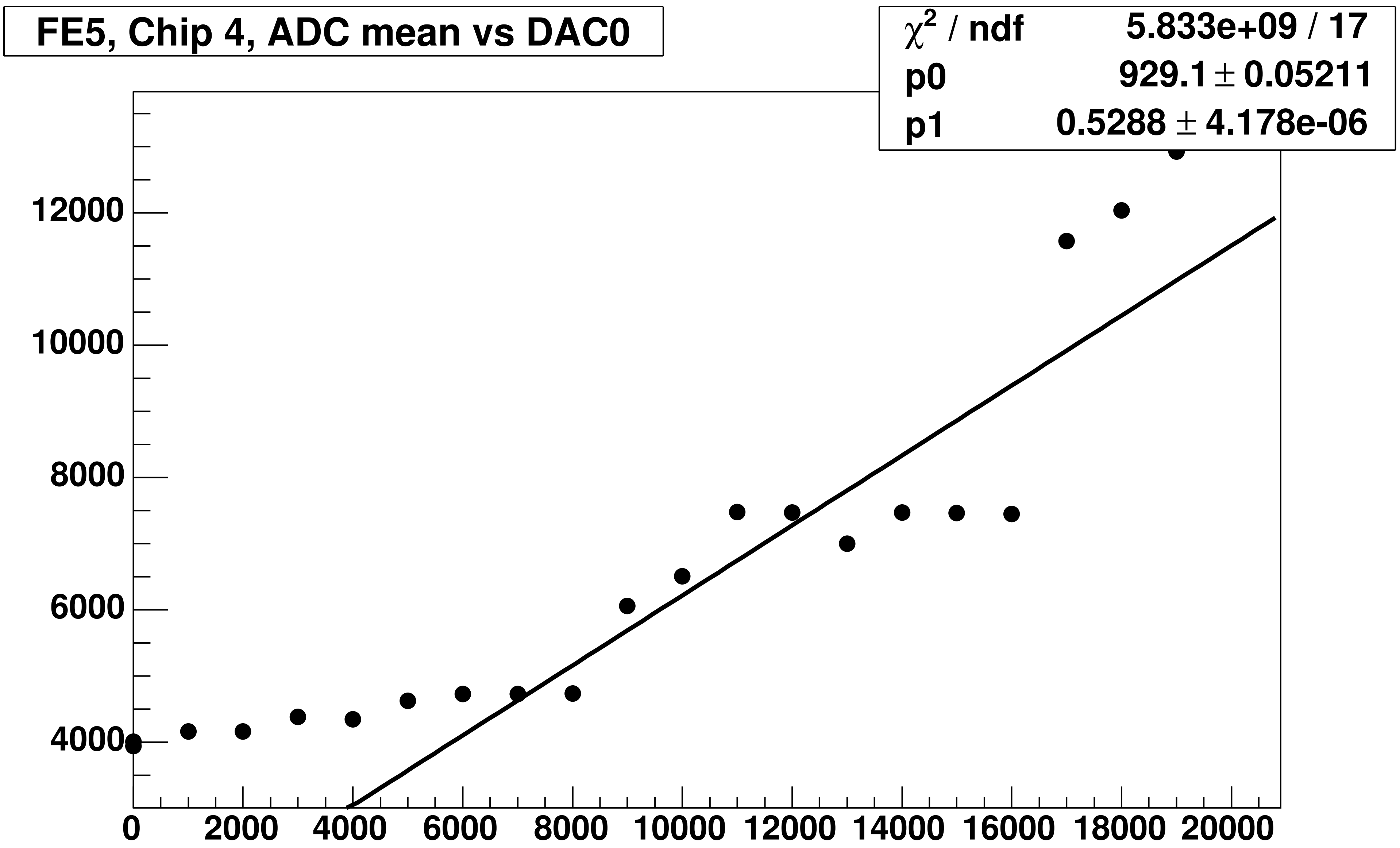

FE5, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



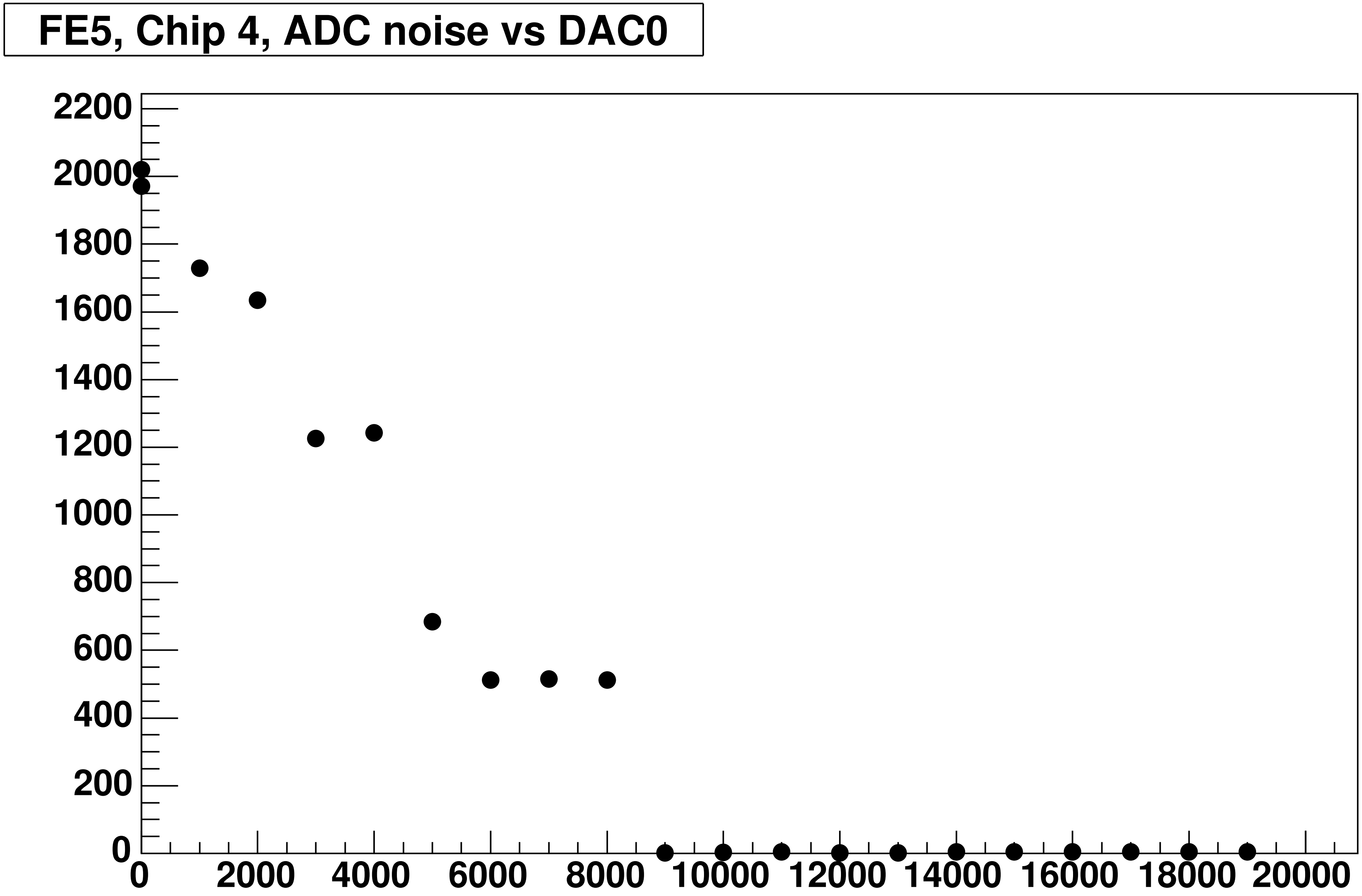
FE5, Chip 3, ADC mean vs DAC1
χ² / ndf 93.38 / 17
p0 3962 ± 14.05
p1 5.742e-05 ± 0.001225
4100
4050
4000
3950
3900
3850
3800
3750
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

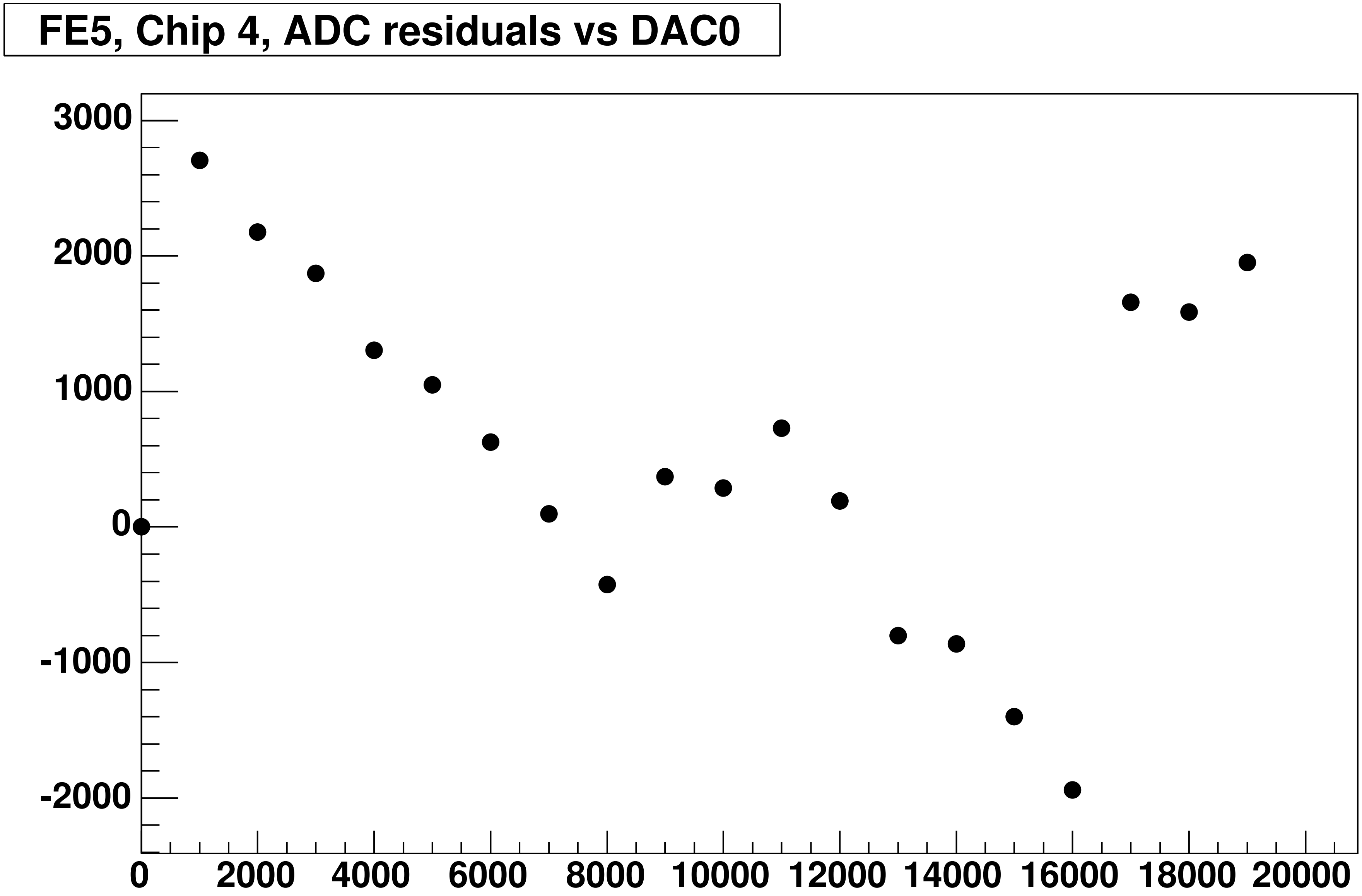

FE5, Chip 3, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

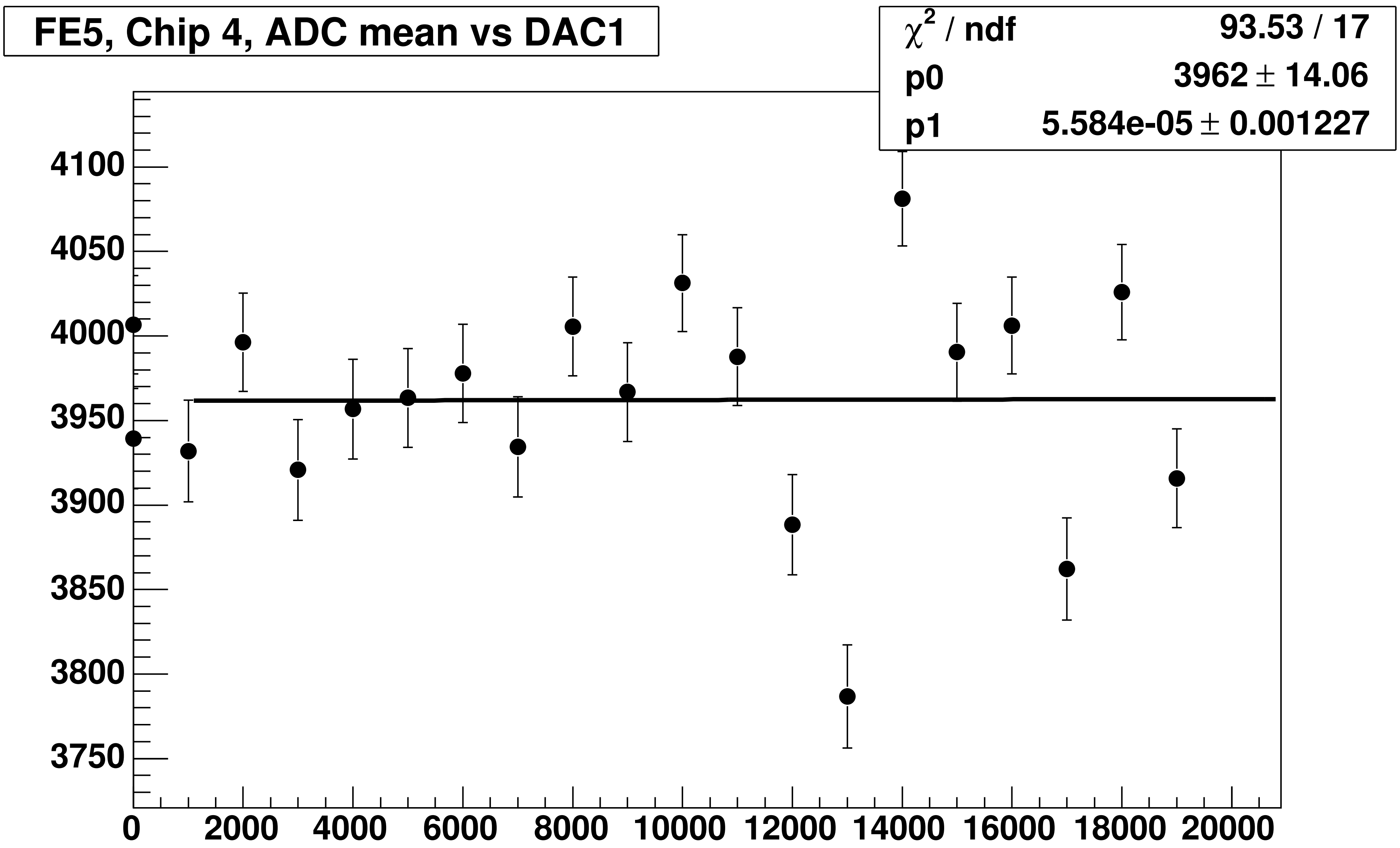

FE5, Chip 3, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



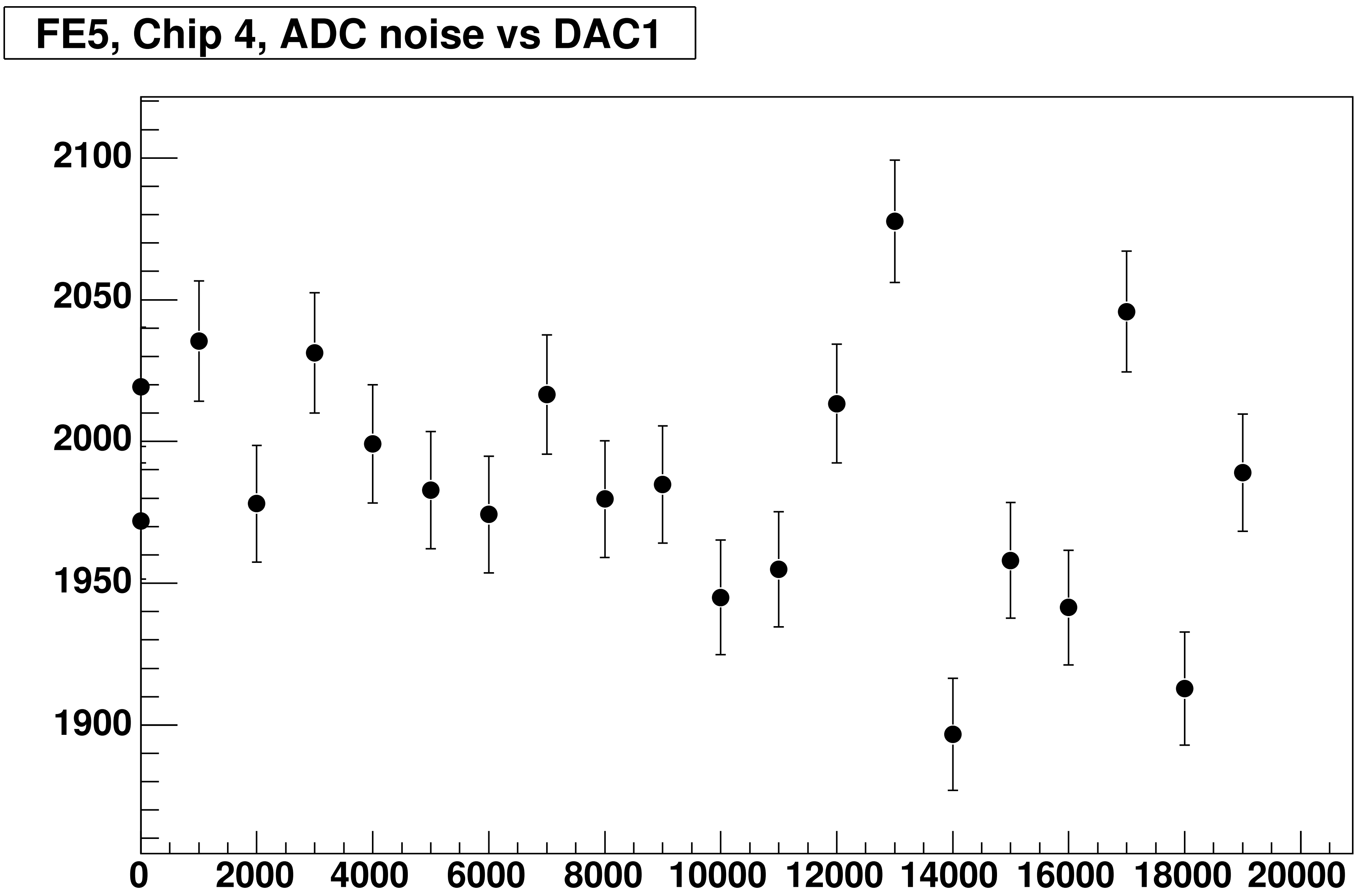
FE5, Chip 4, ADC mean vs DAC0
χ^2 / ndf 5.833e+09 / 17
p0 929.1 ± 0.05211
p1 0.5288 ± 4.178e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

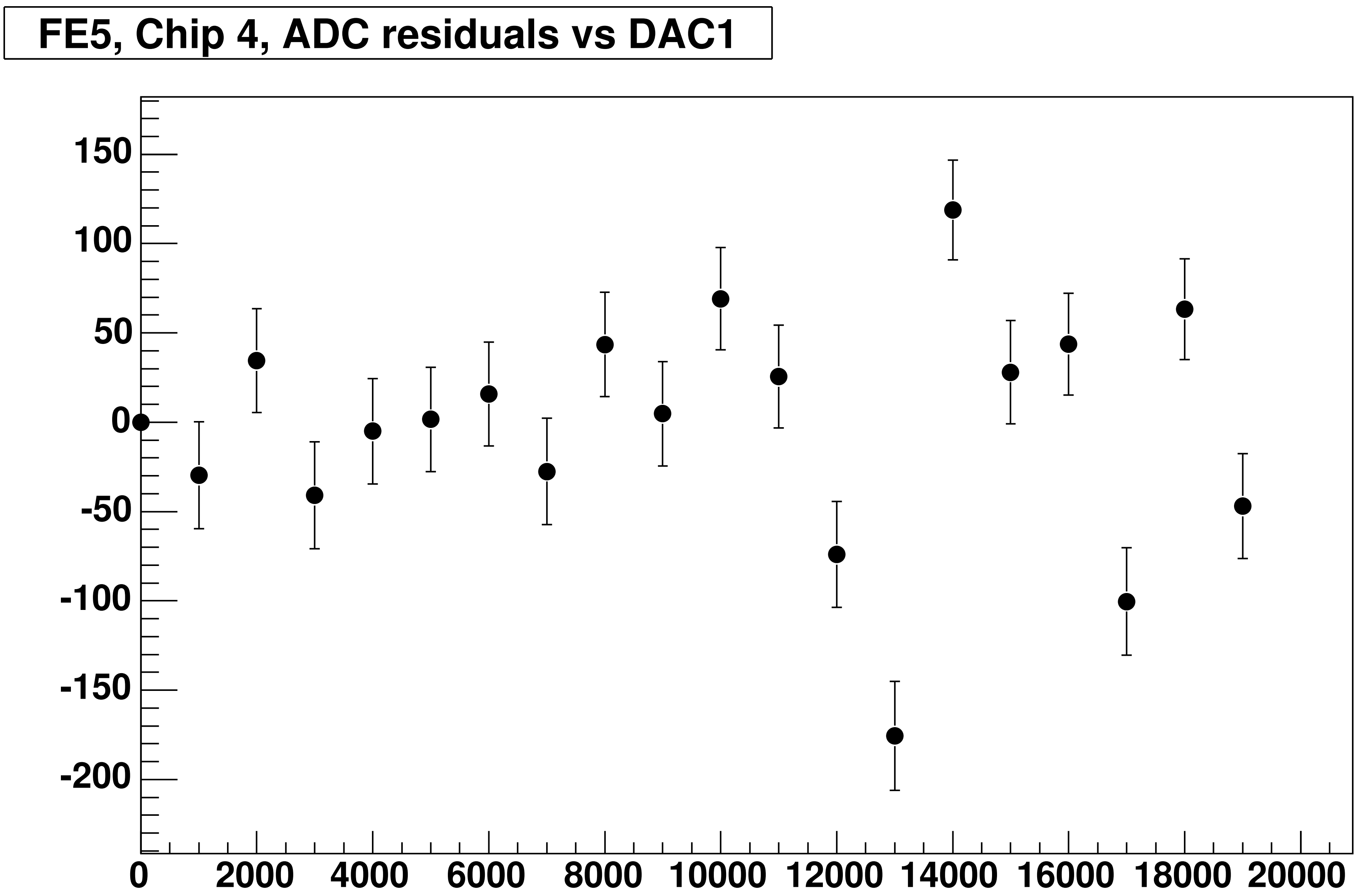

FE5, Chip 4, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 4, ADC residuals vs DAC0
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

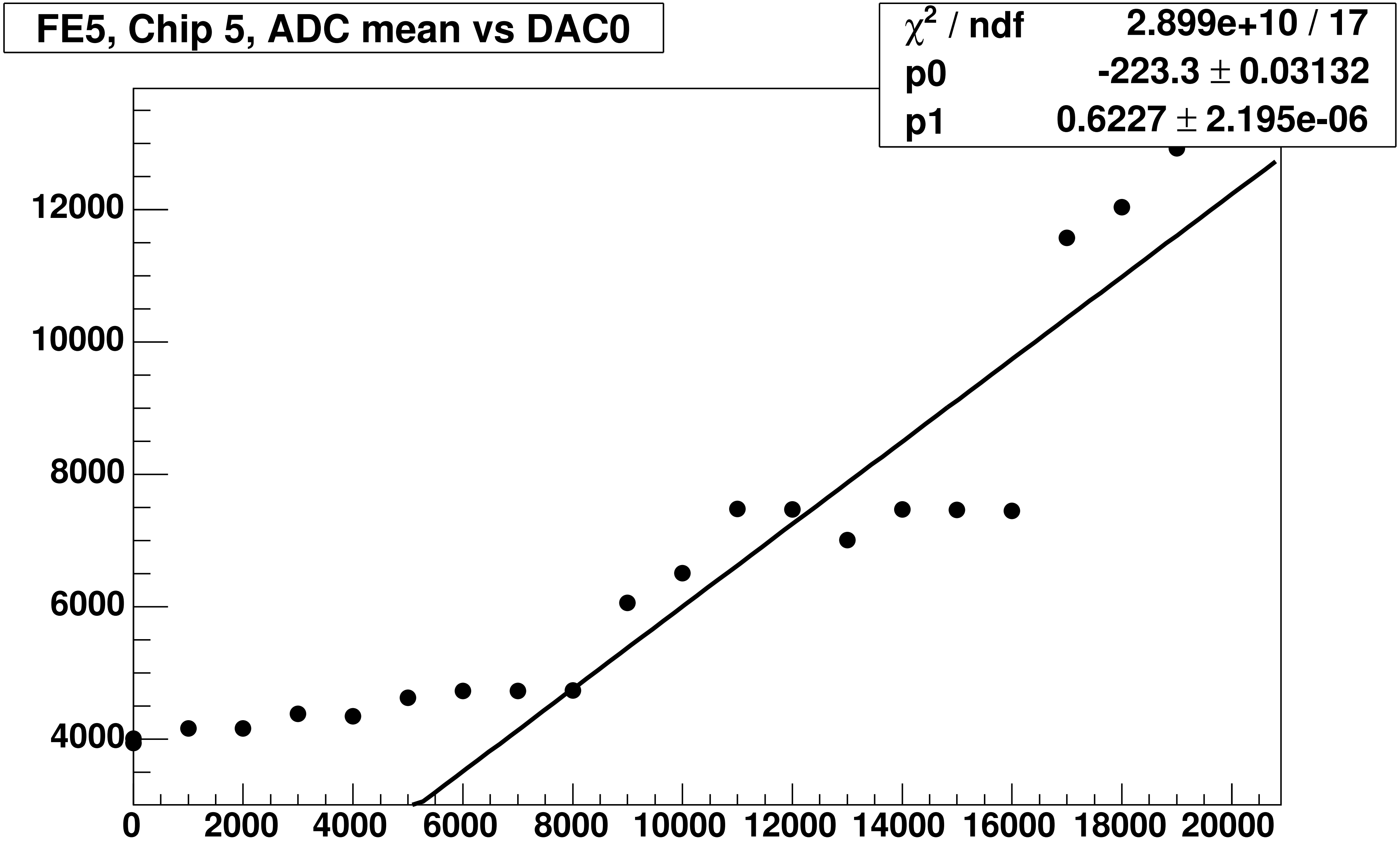


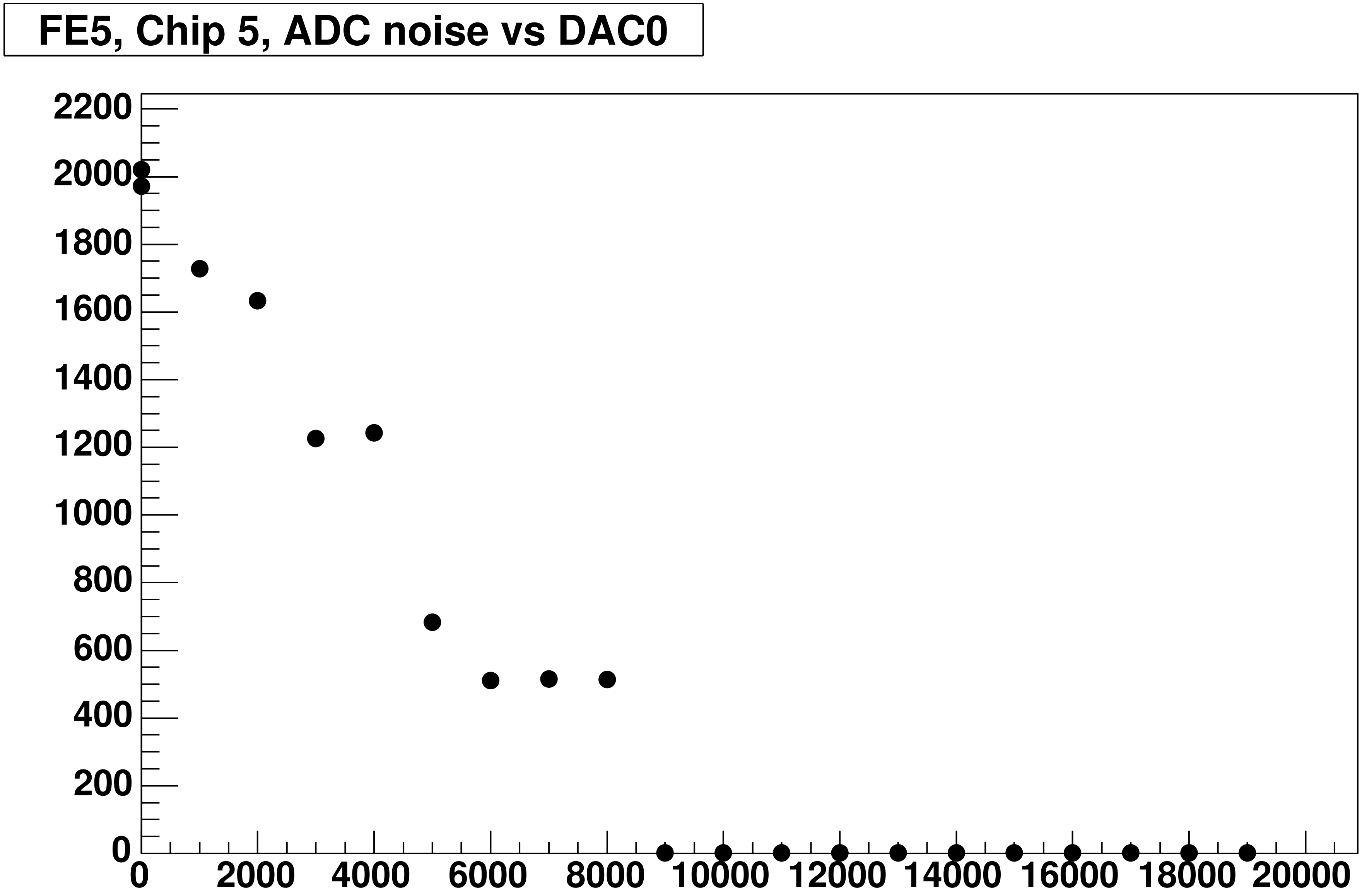
FE5, Chip 4, ADC mean vs DAC1
χ^2 / ndf 93.53 / 17
p0 3962 ± 14.06
p1 5.584e-05 ± 0.001227
4100
4050
4000
3950
3900
3850
3800
3750
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 4, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

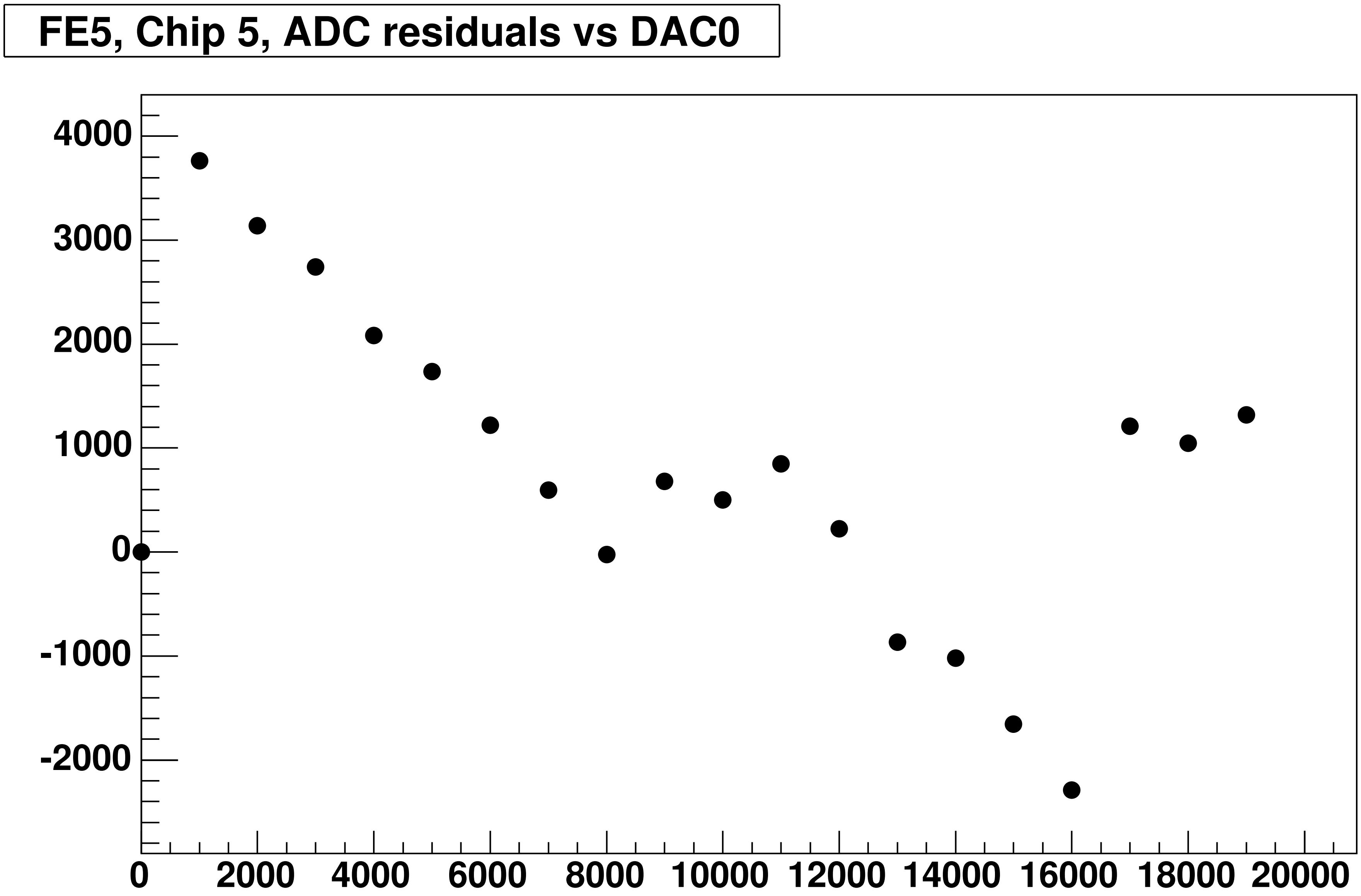


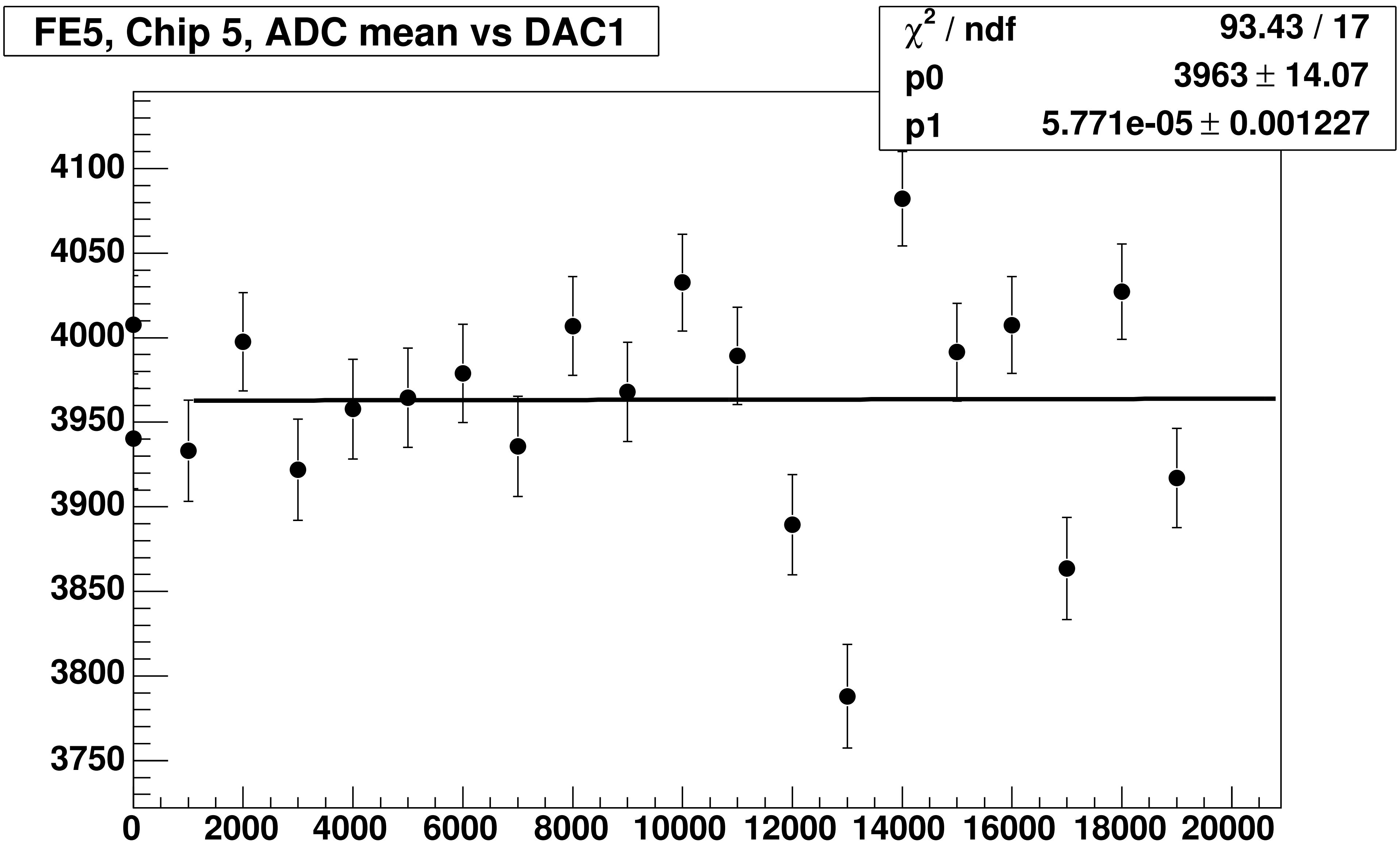
FE5, Chip 4, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

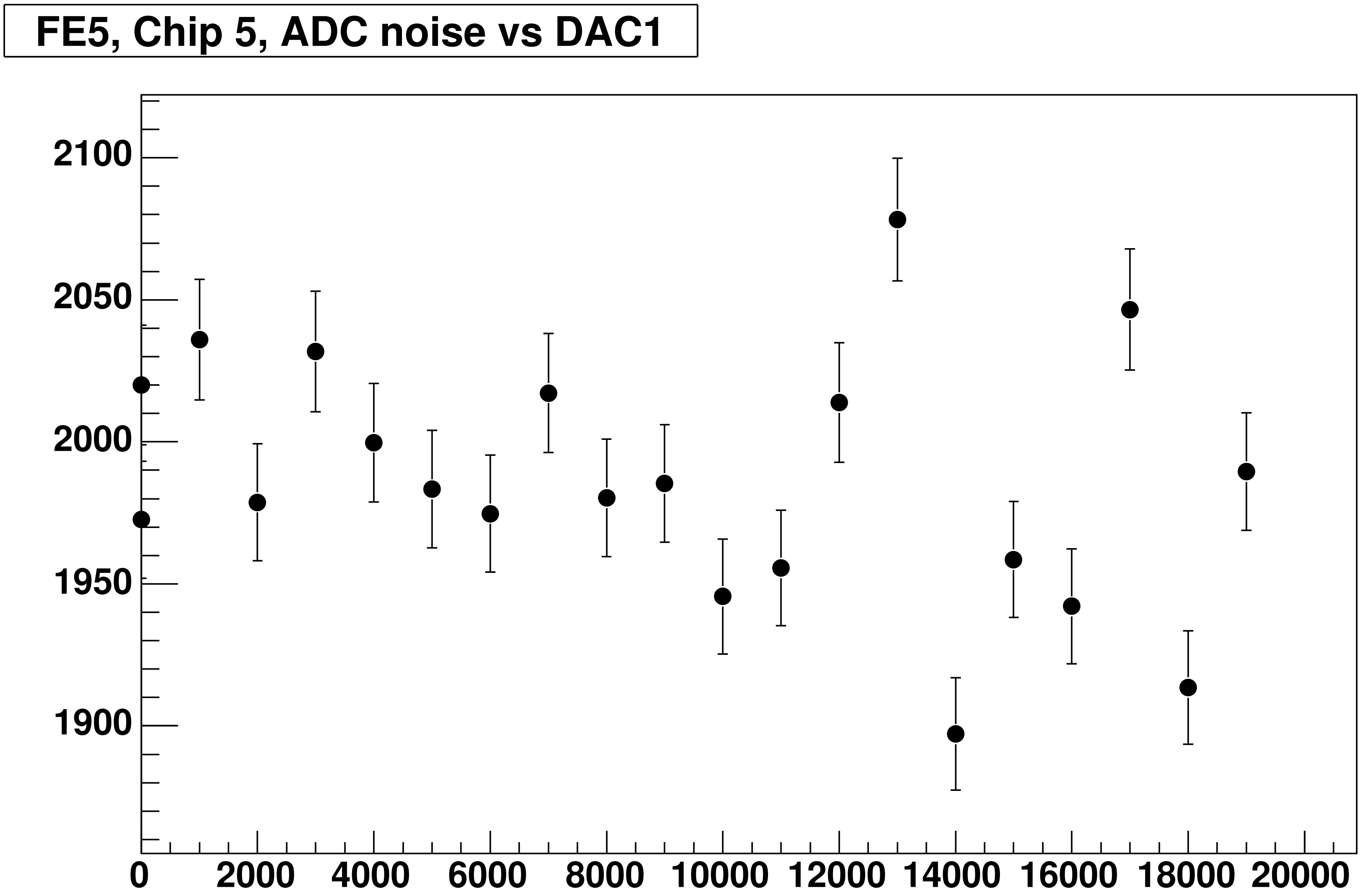

FE5, Chip 5, ADC mean vs DAC0
χ2 / ndf 2.899e+10 / 17
p0 -223.3 ± 0.03132
p1 0.6227 ± 2.195e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

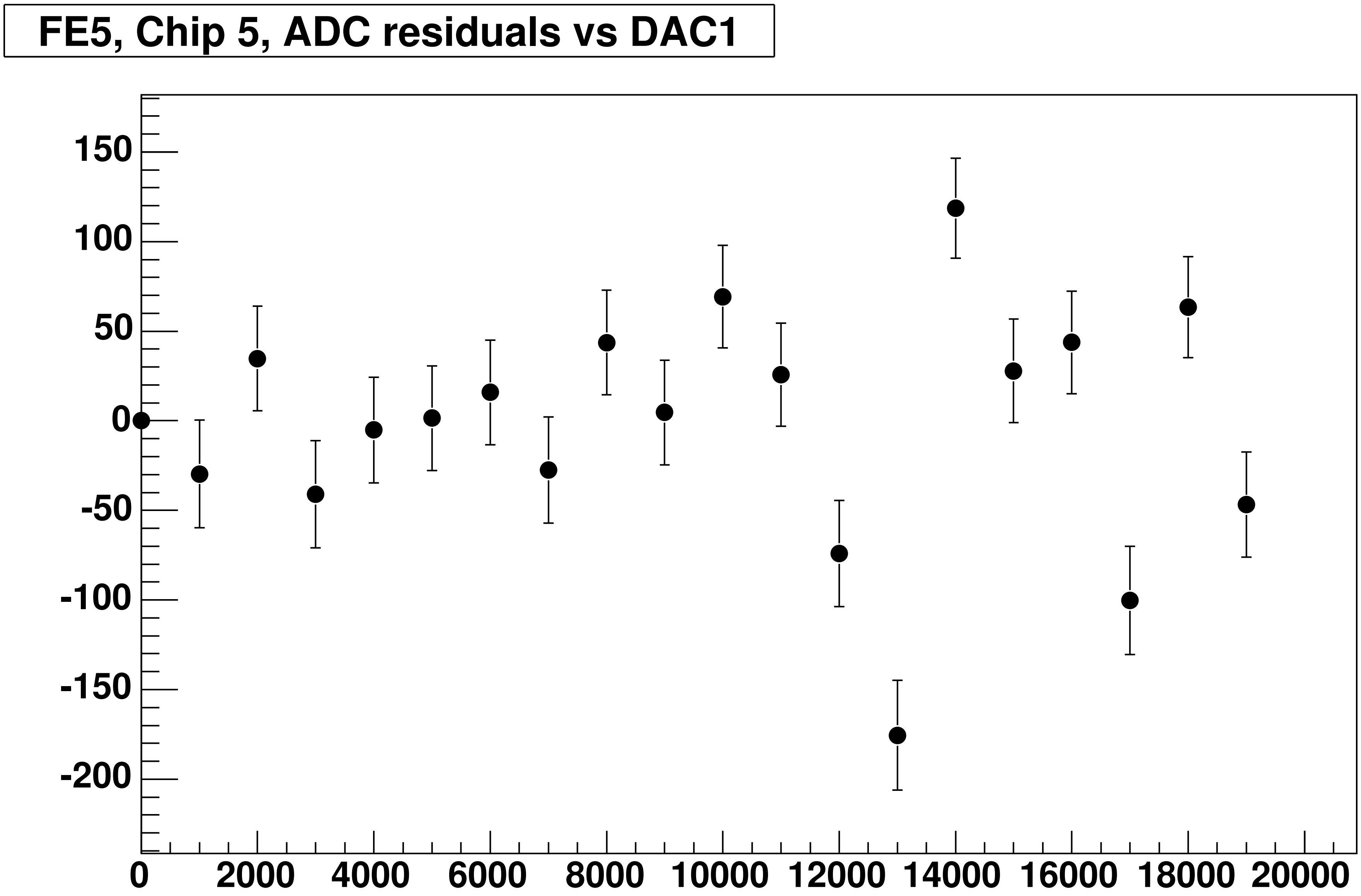


FE5, Chip 5, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

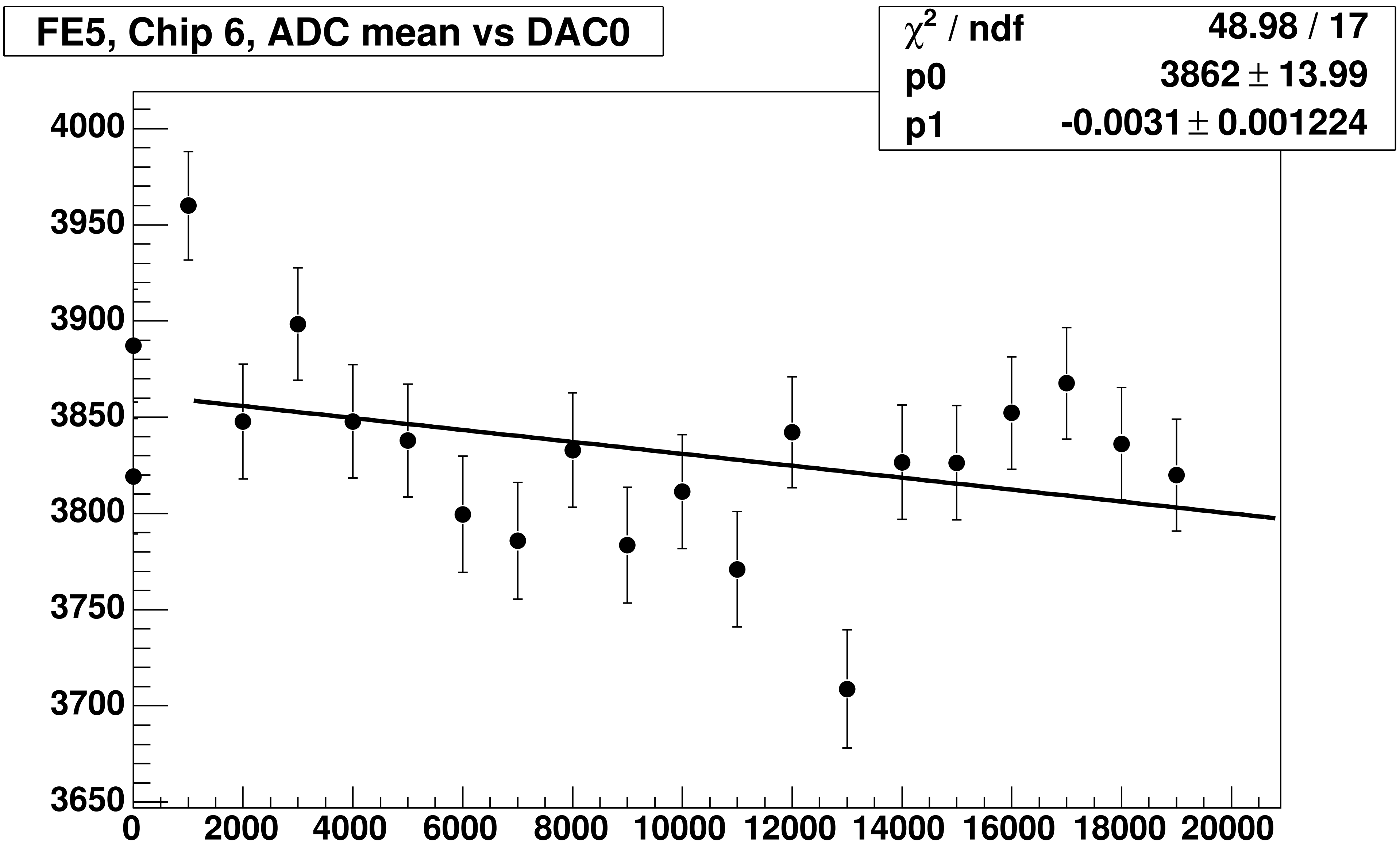

FE5, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 5, ADC mean vs DAC1
χ^2 / ndf 93.43 / 17
p0 3963 ± 14.07
p1 5.771e-05 ± 0.001227
4100
4050
4000
3950
3900
3850
3800
3750
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

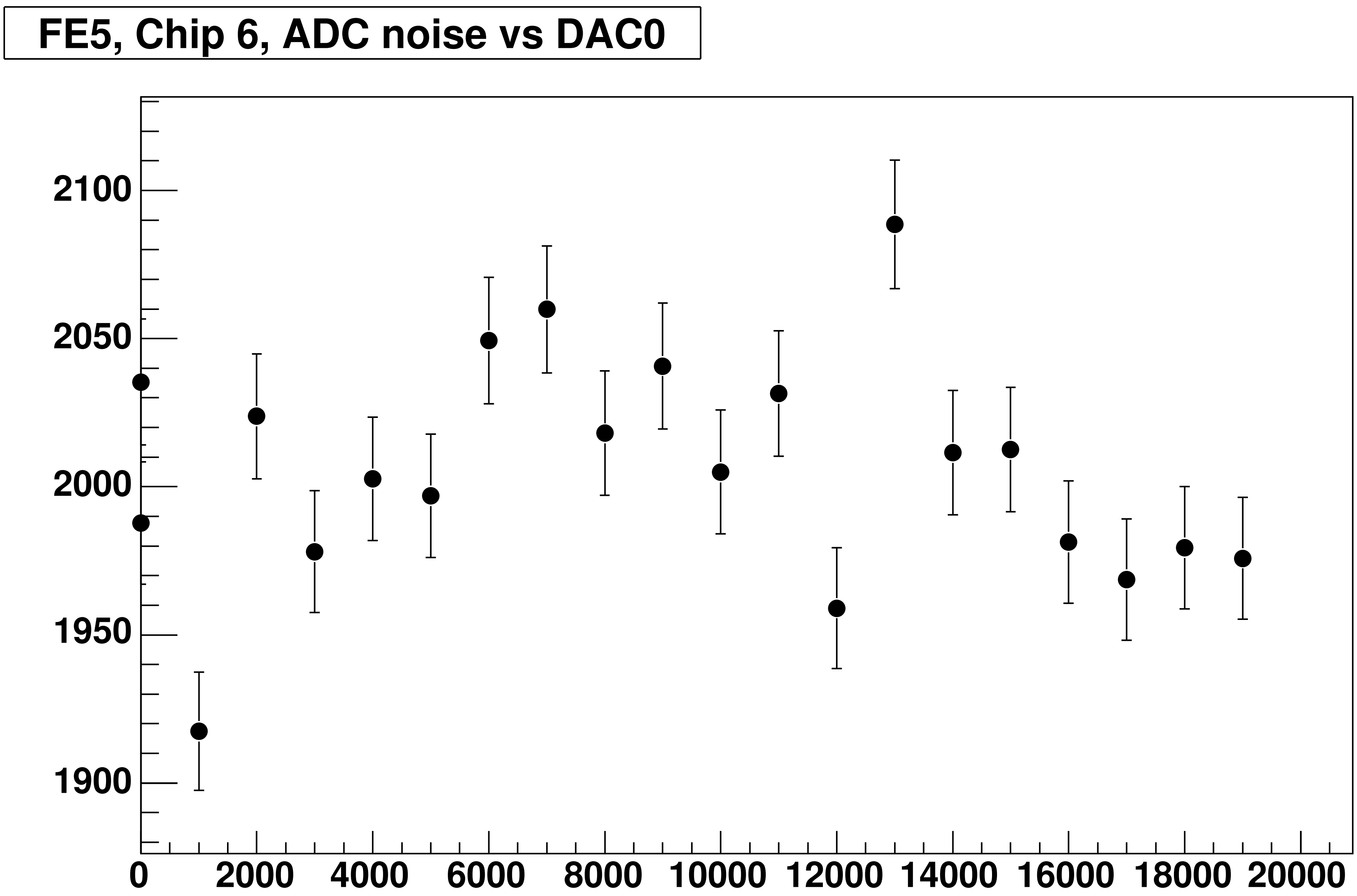

FE5, Chip 5, ADC noise vs DAC1
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

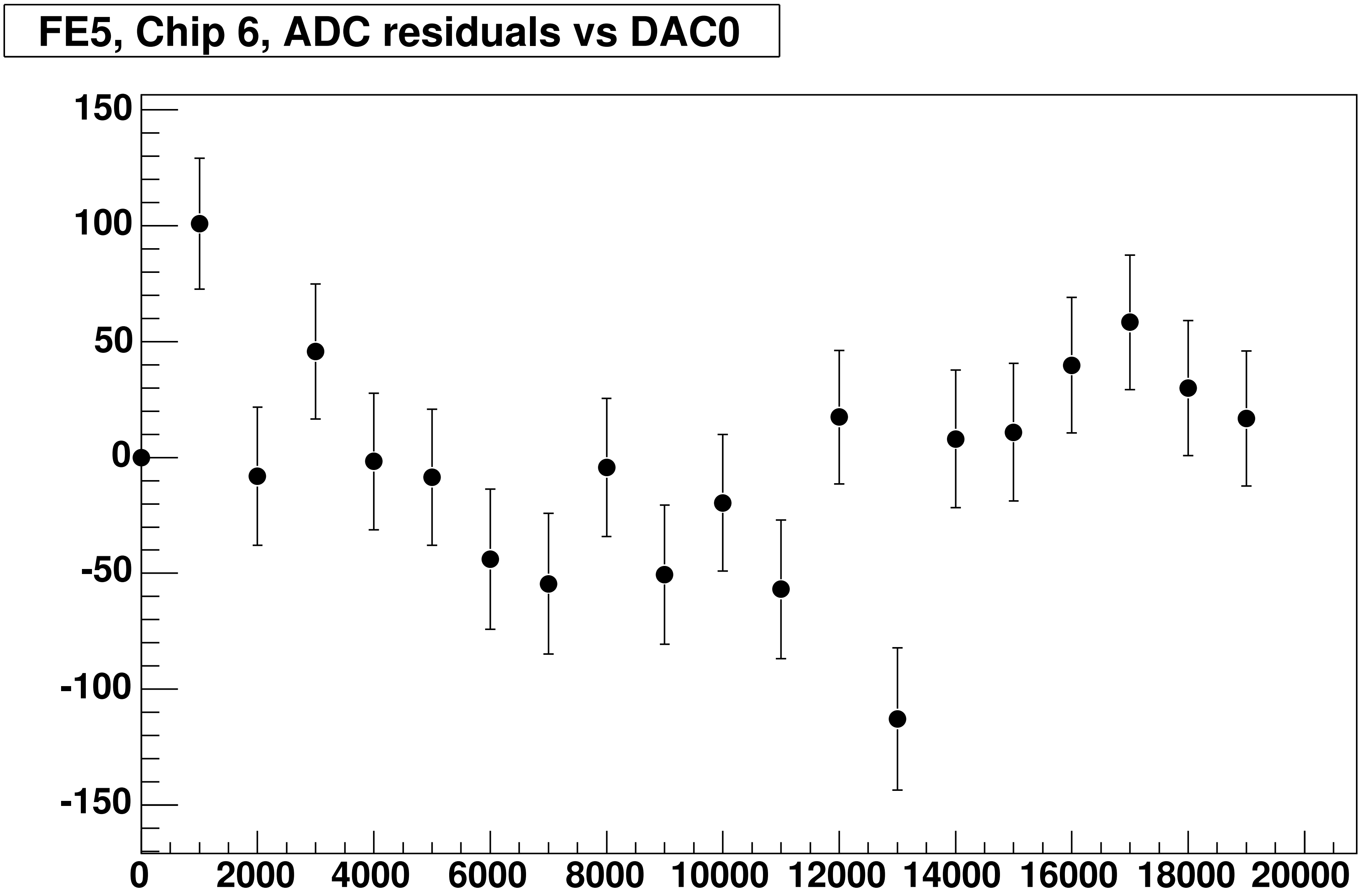


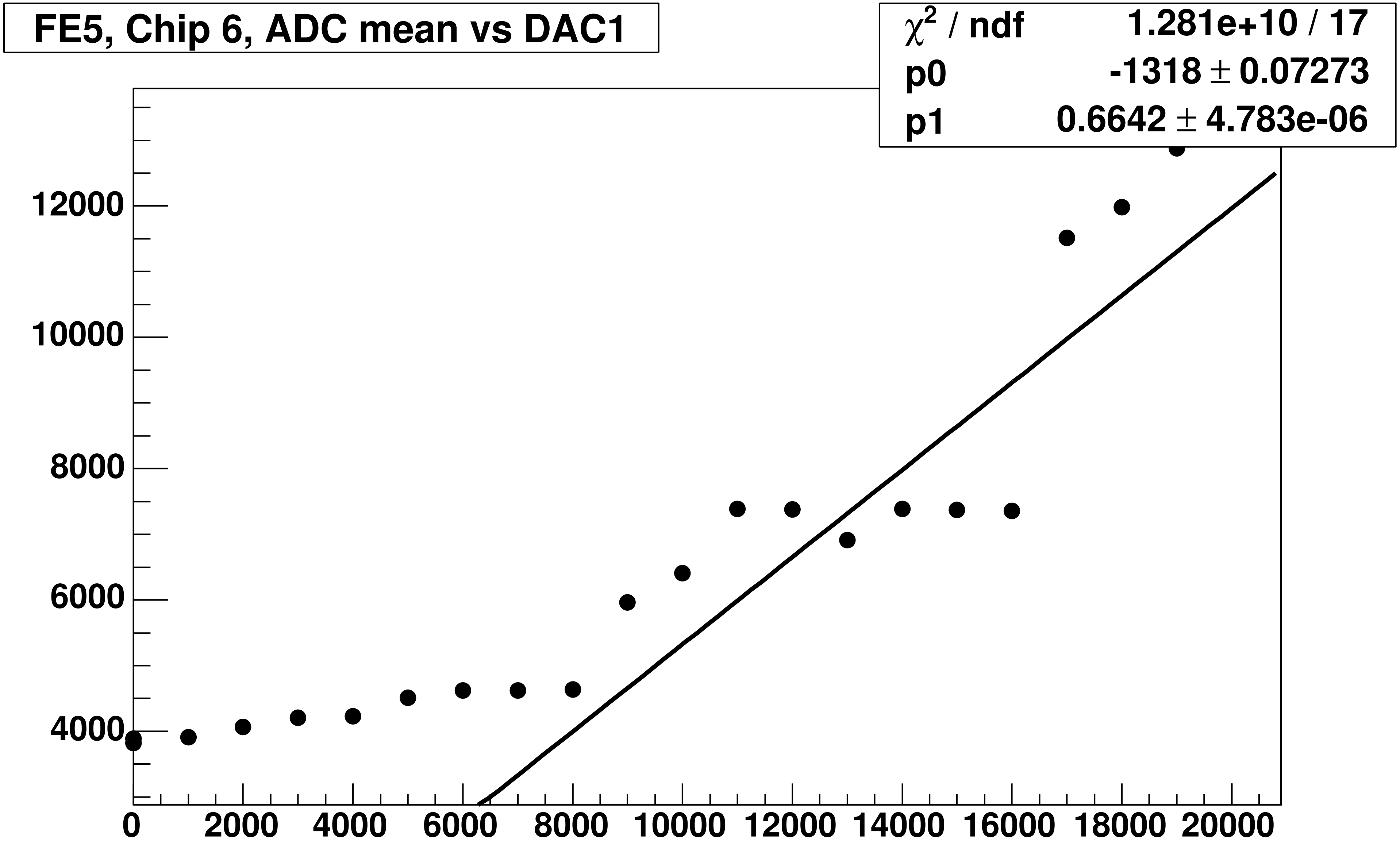
FE5, Chip 5, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

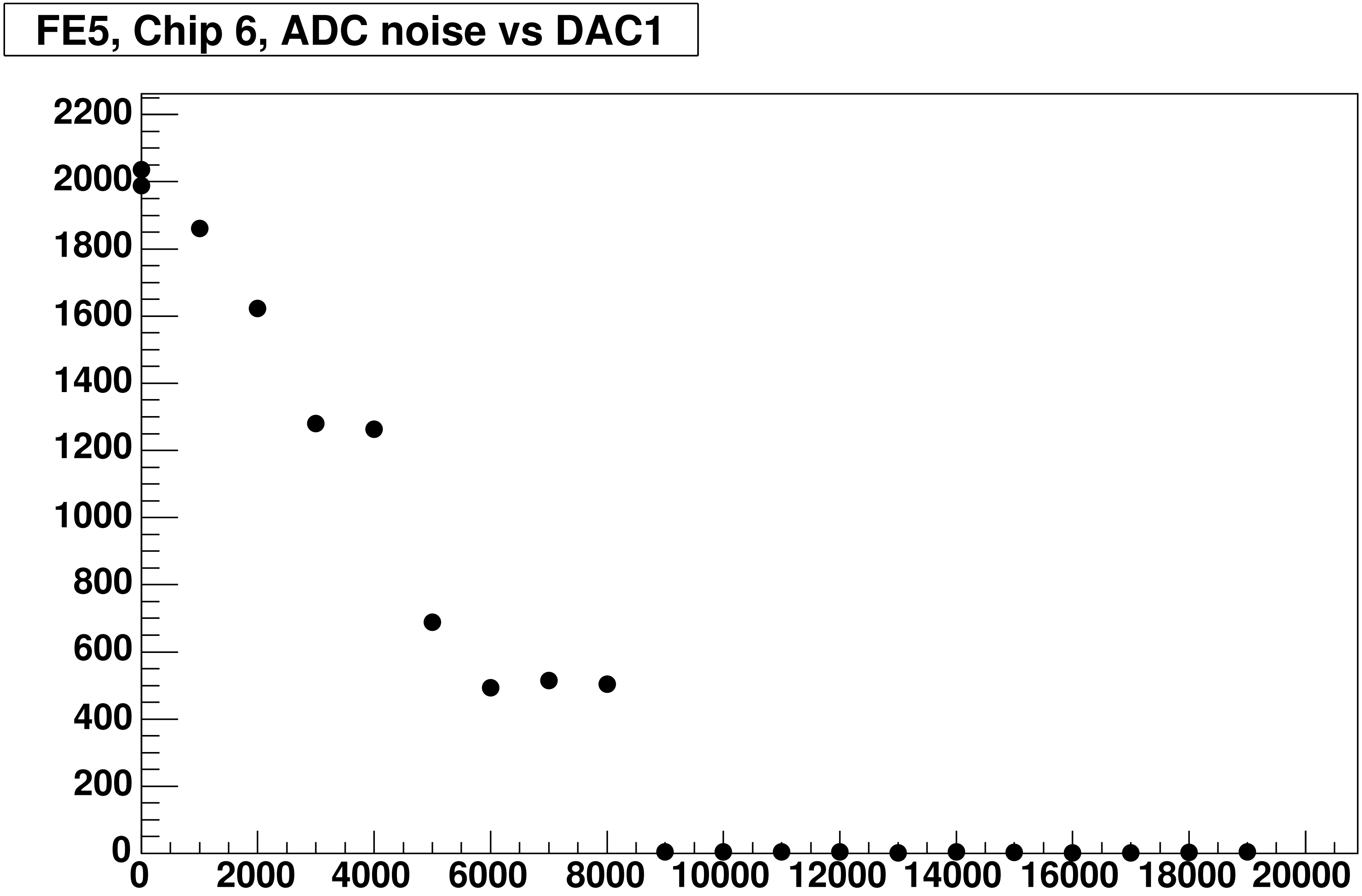


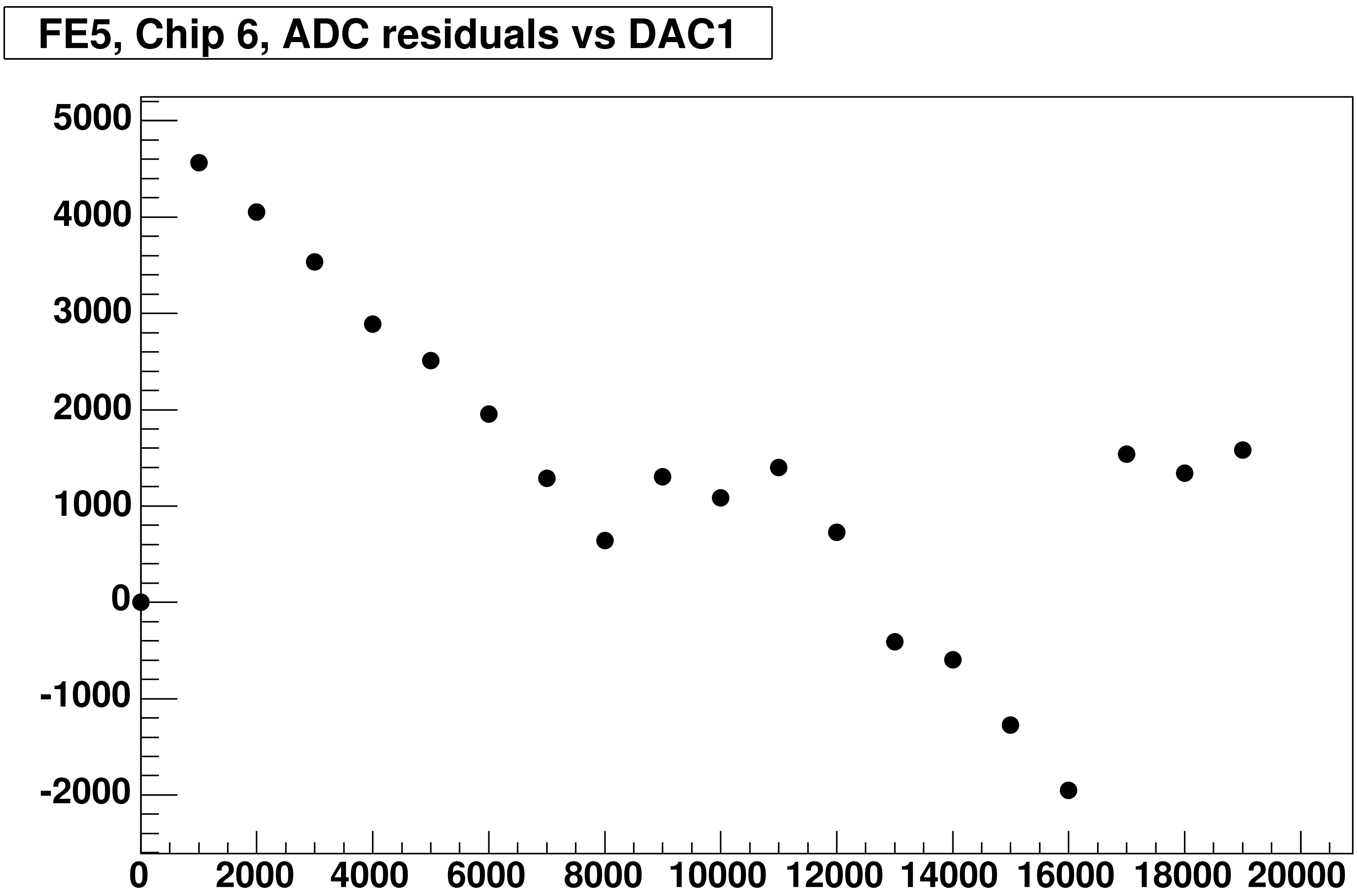
FE5, Chip 6, ADC mean vs DAC0
χ^2 / ndf 48.98 / 17
p0 3862 ± 13.99
p1 -0.0031 ± 0.001224
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

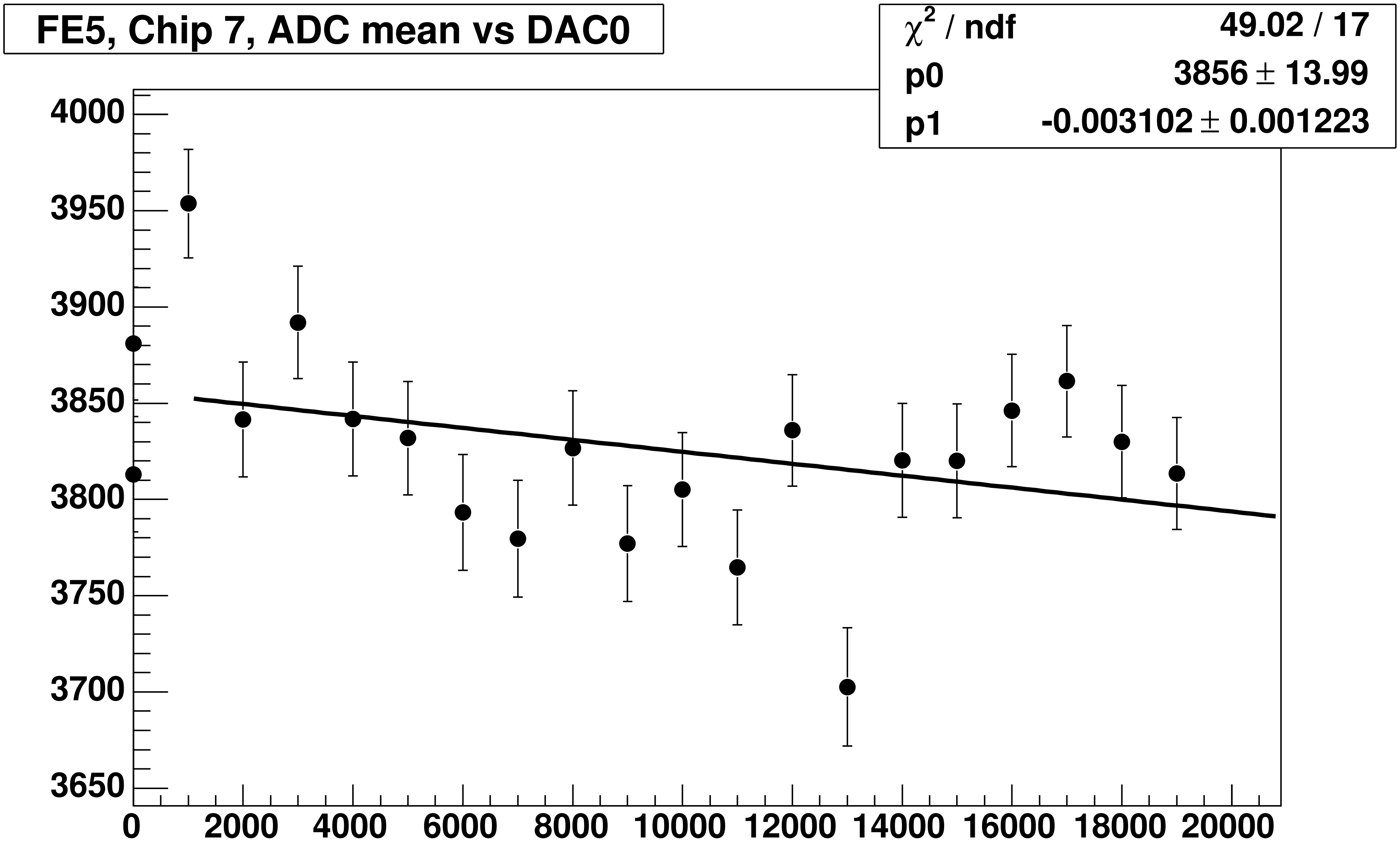

FE5, Chip 6, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 6, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

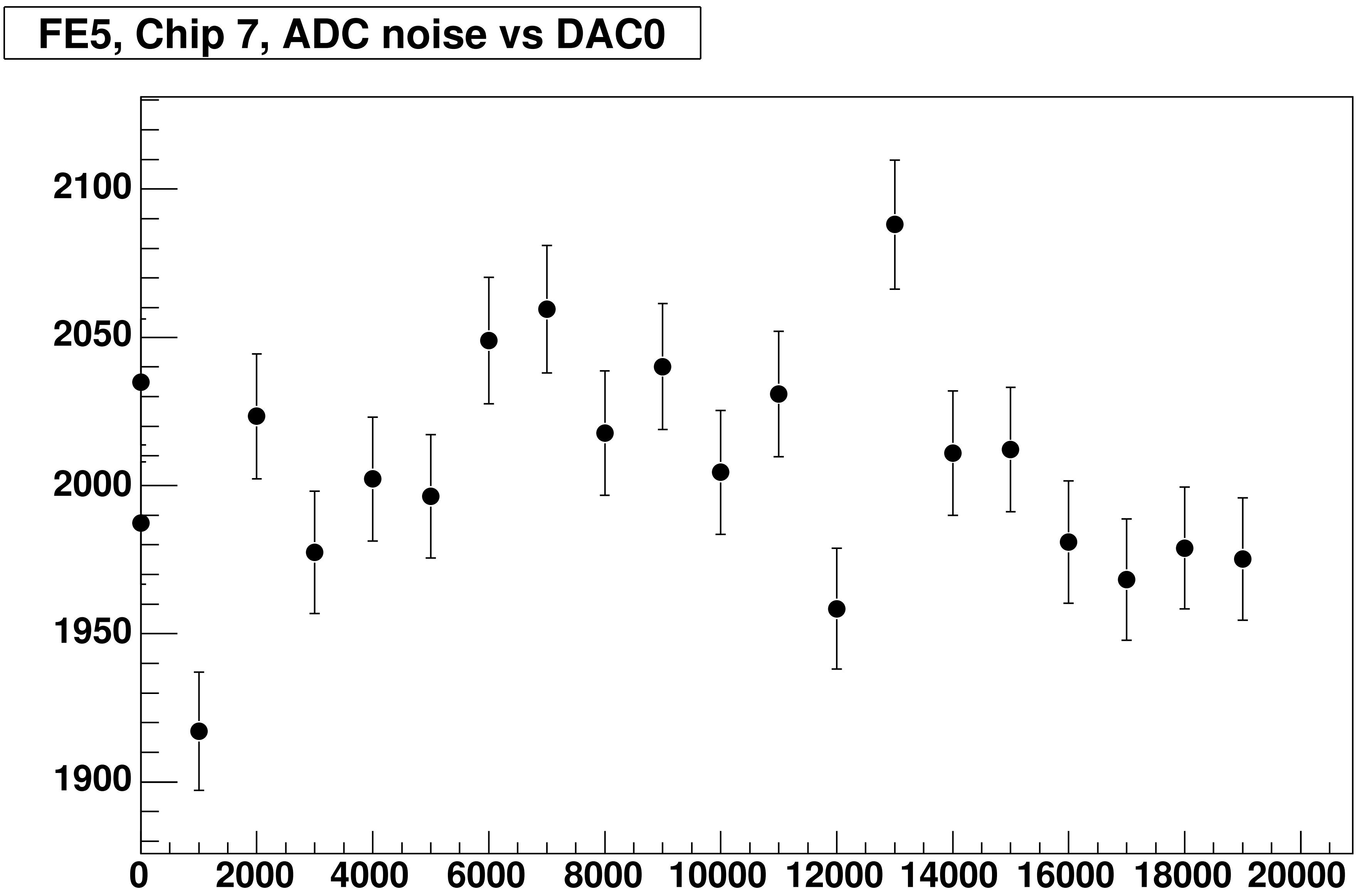

FE5, Chip 6, ADC mean vs DAC1
χ^2 / ndf 1.281e+10 / 17
p0 -1318 ± 0.07273
p1 0.6642 ± 4.783e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 6, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

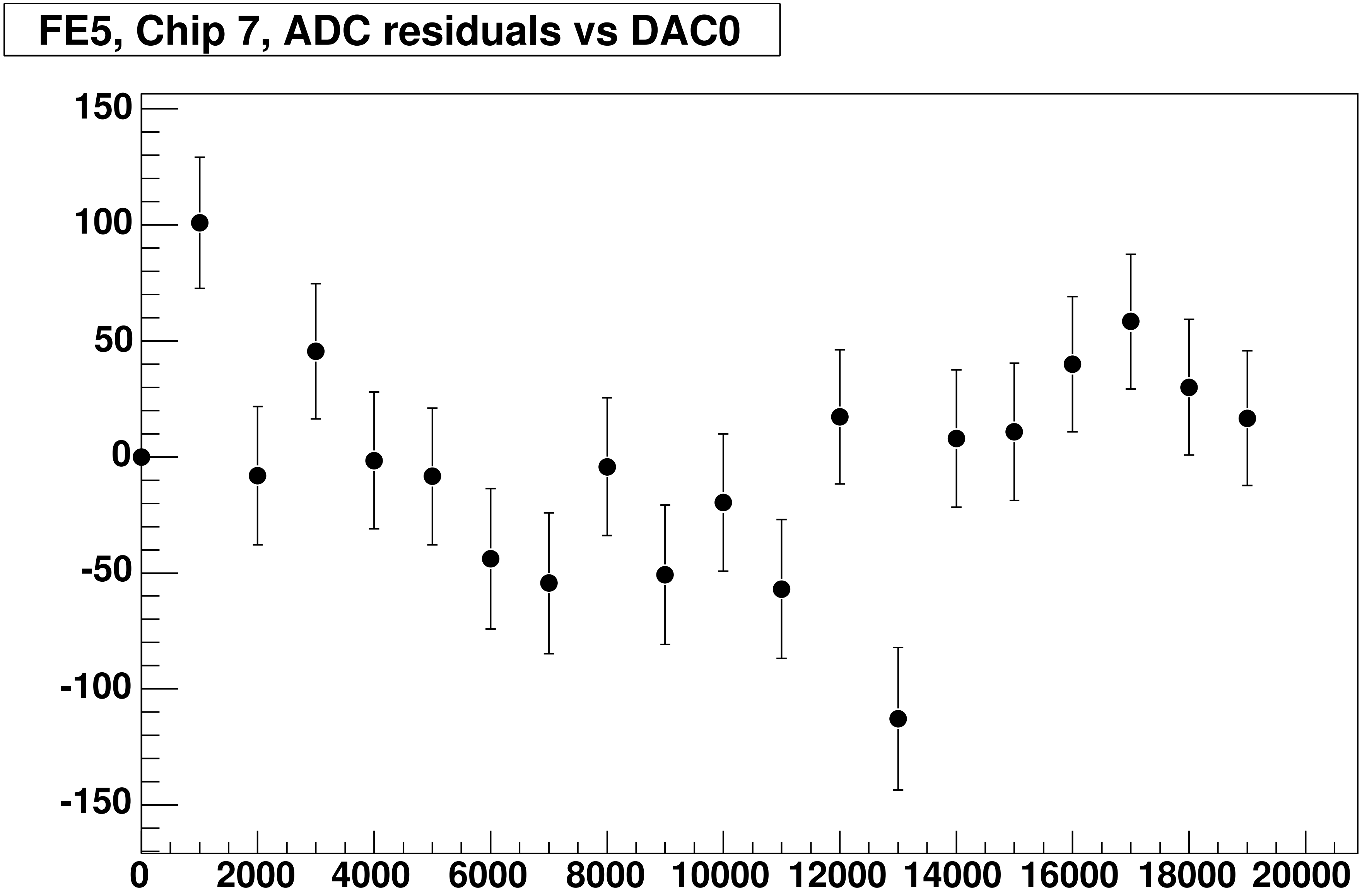

FE5, Chip 6, ADC residuals vs DAC1
5000
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



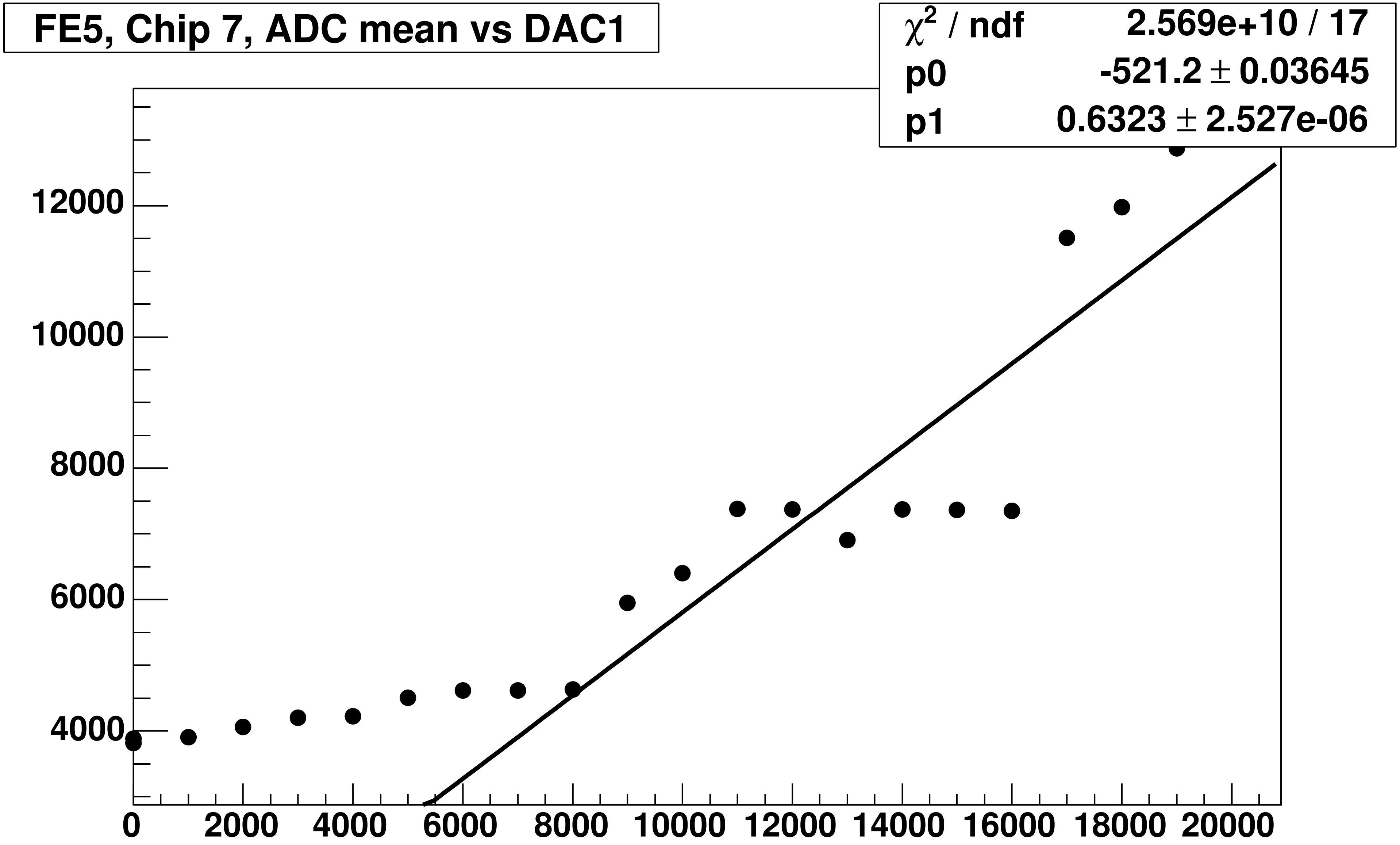
FE5, Chip 7, ADC mean vs DAC0
χ^2 / ndf 49.02 / 17
p0 3856 ± 13.99
p1 -0.003102 ± 0.001223
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



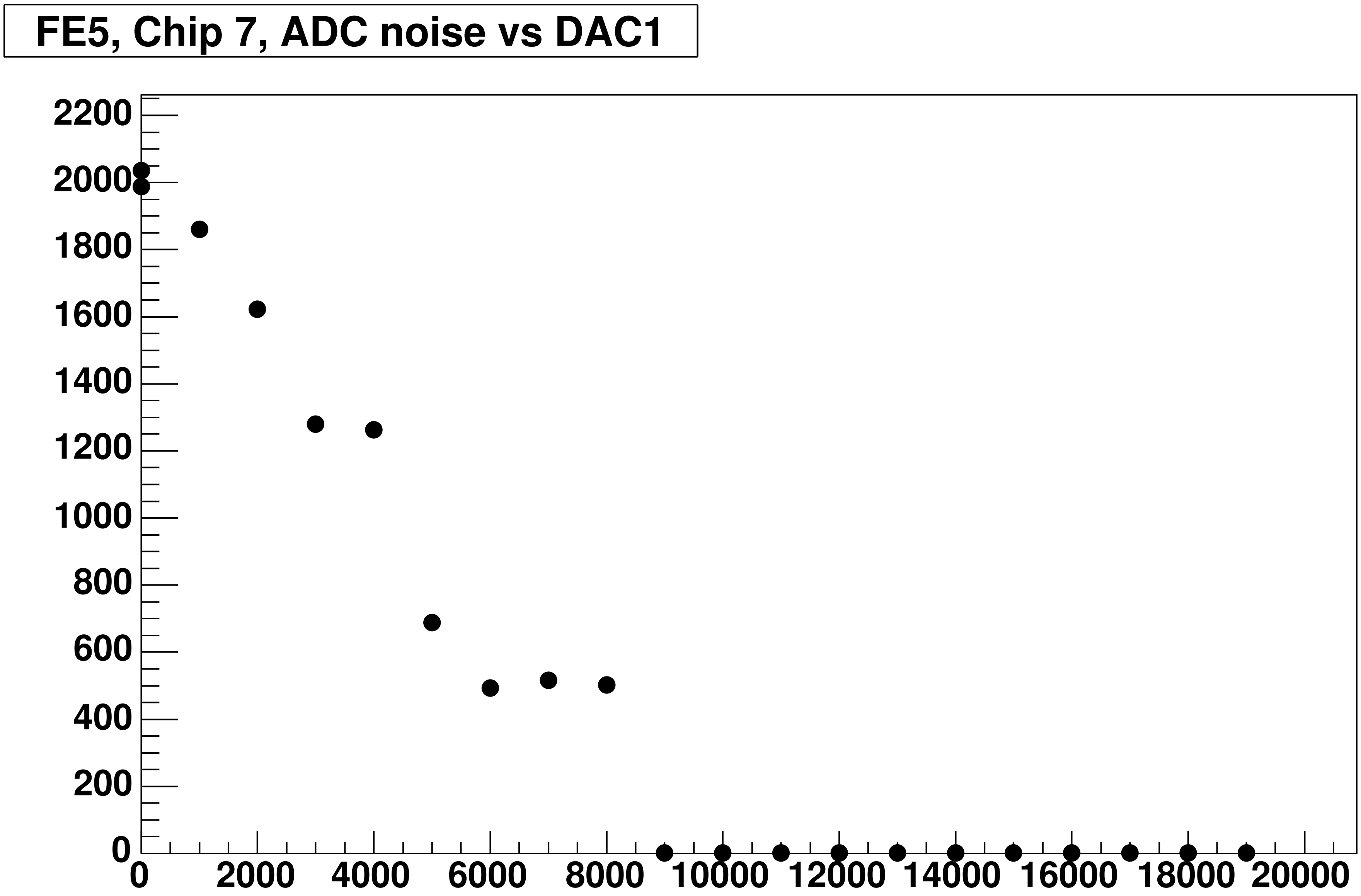
FE5, Chip 7, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



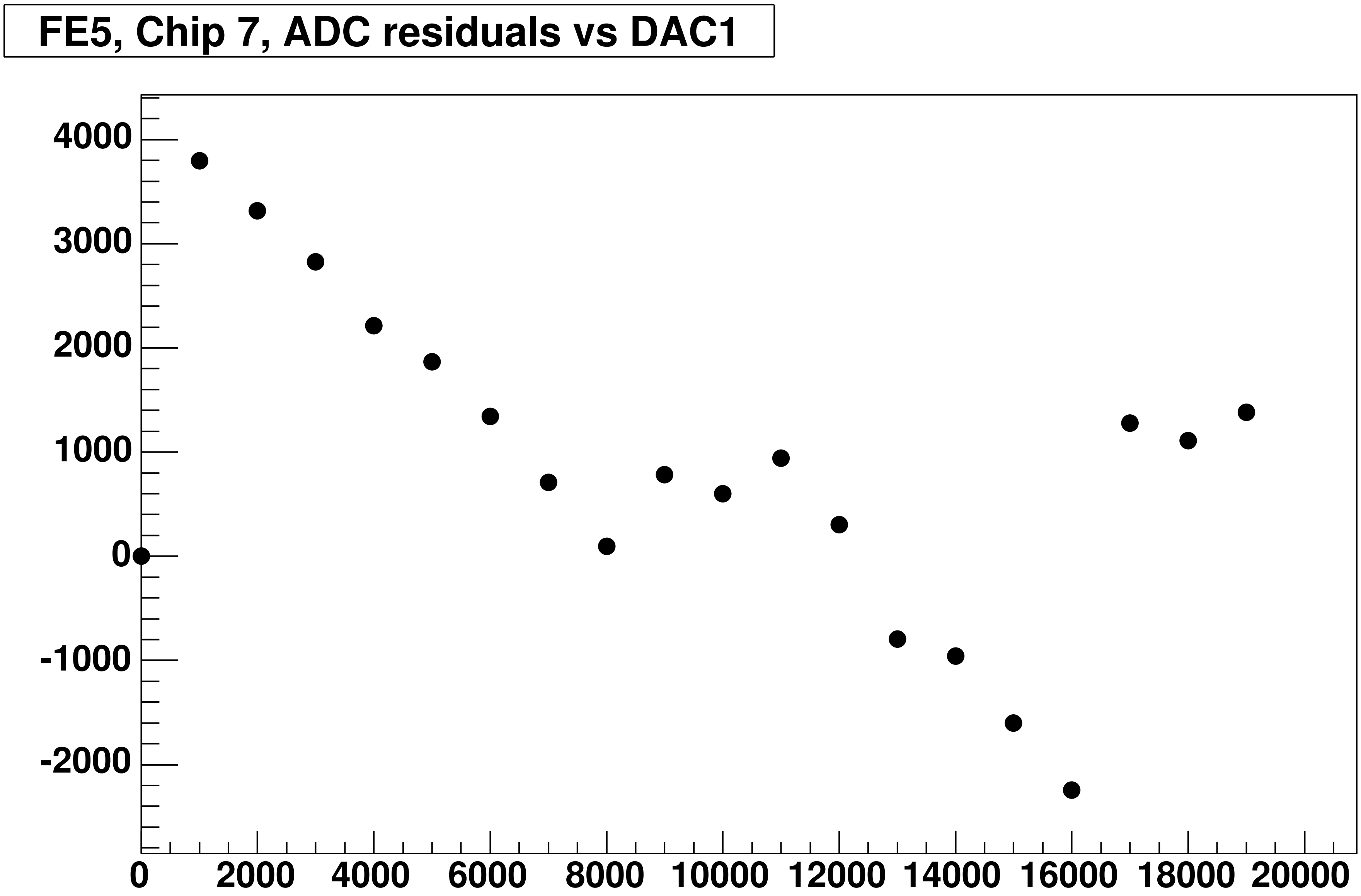
FE5, Chip 7, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

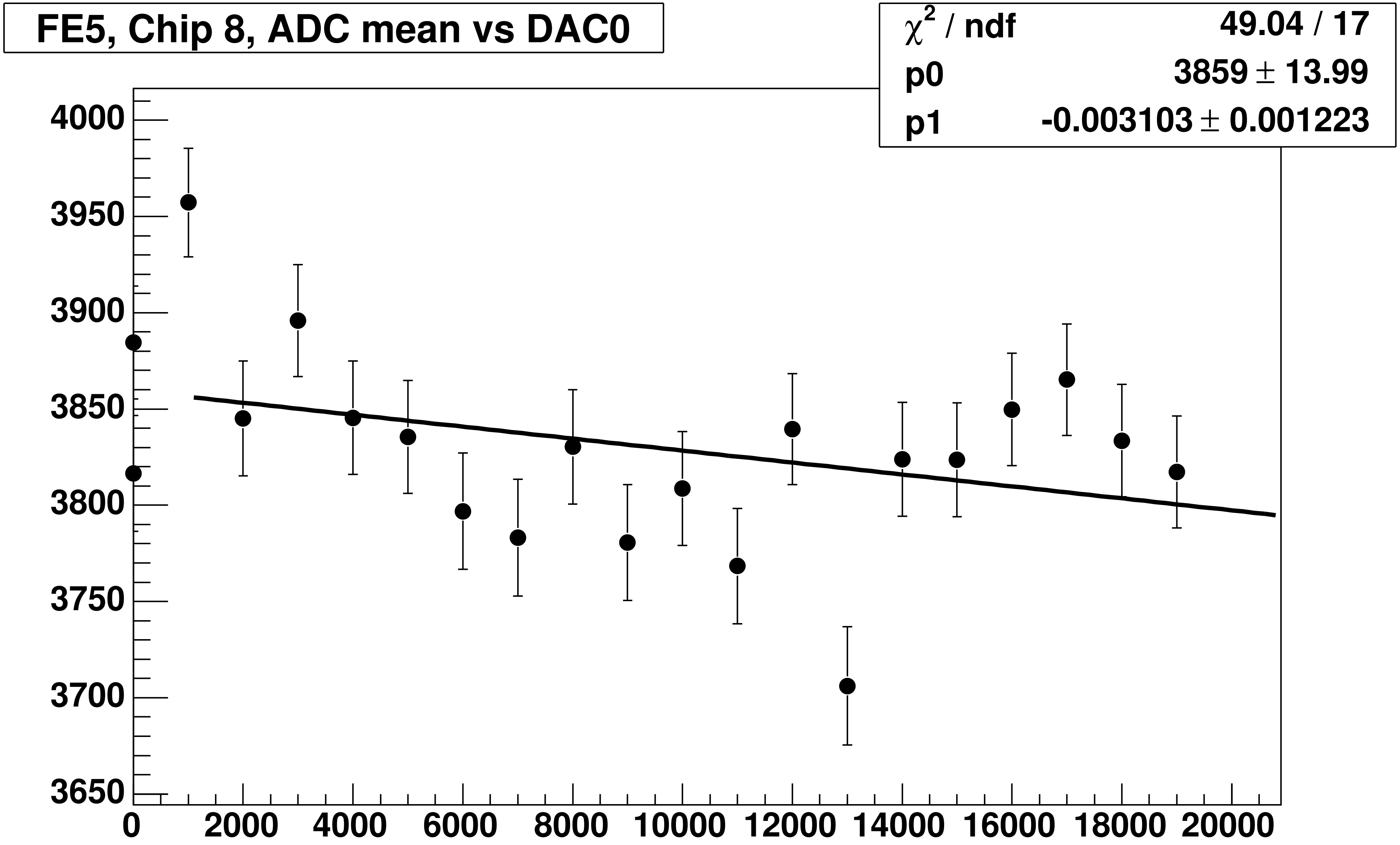


FE5, Chip 7, ADC mean vs DAC1
χ^2 / ndf 2.569e+10 / 17
p0 -521.2 ± 0.03645
p1 0.6323 ± 2.527e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

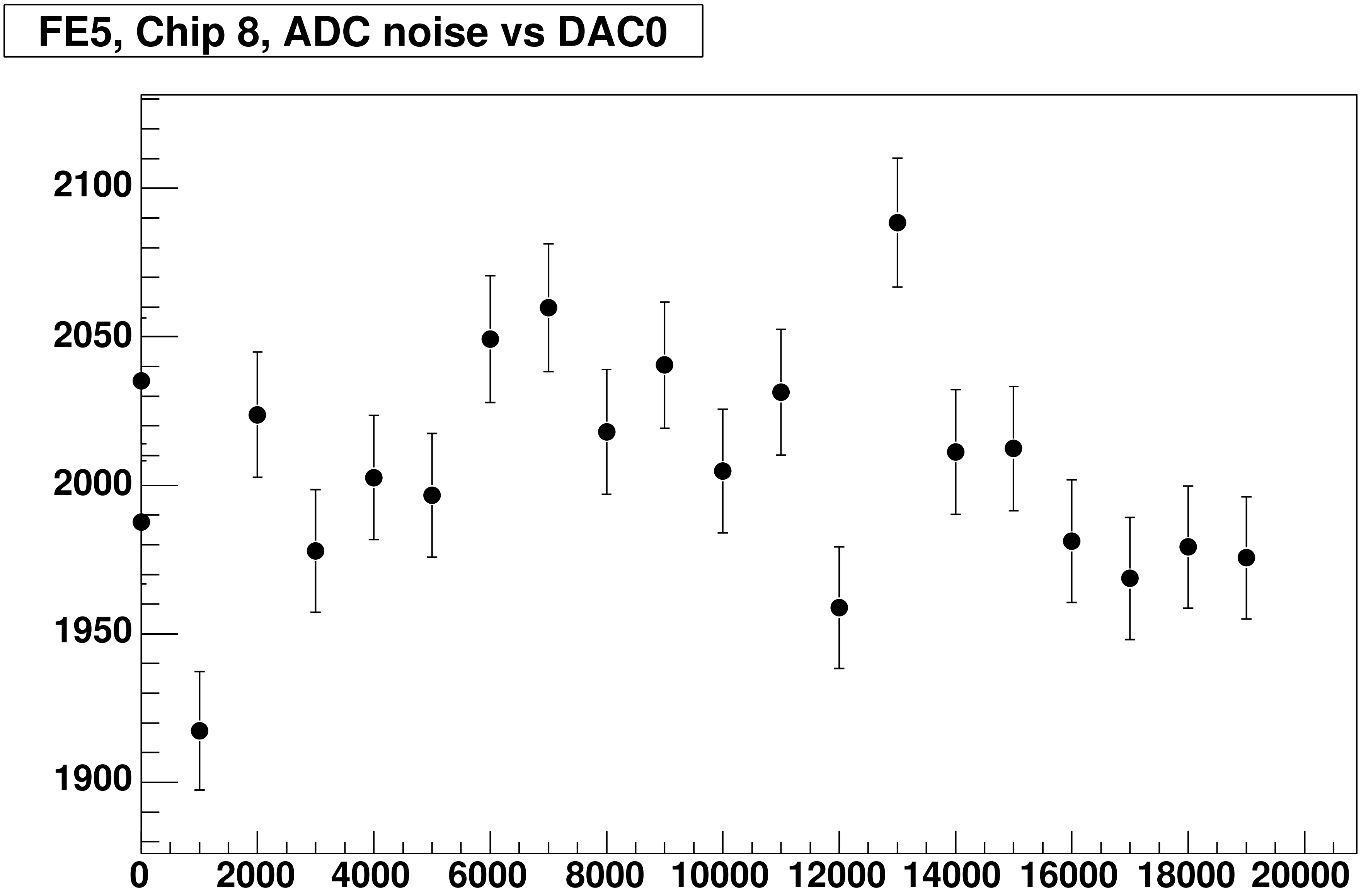


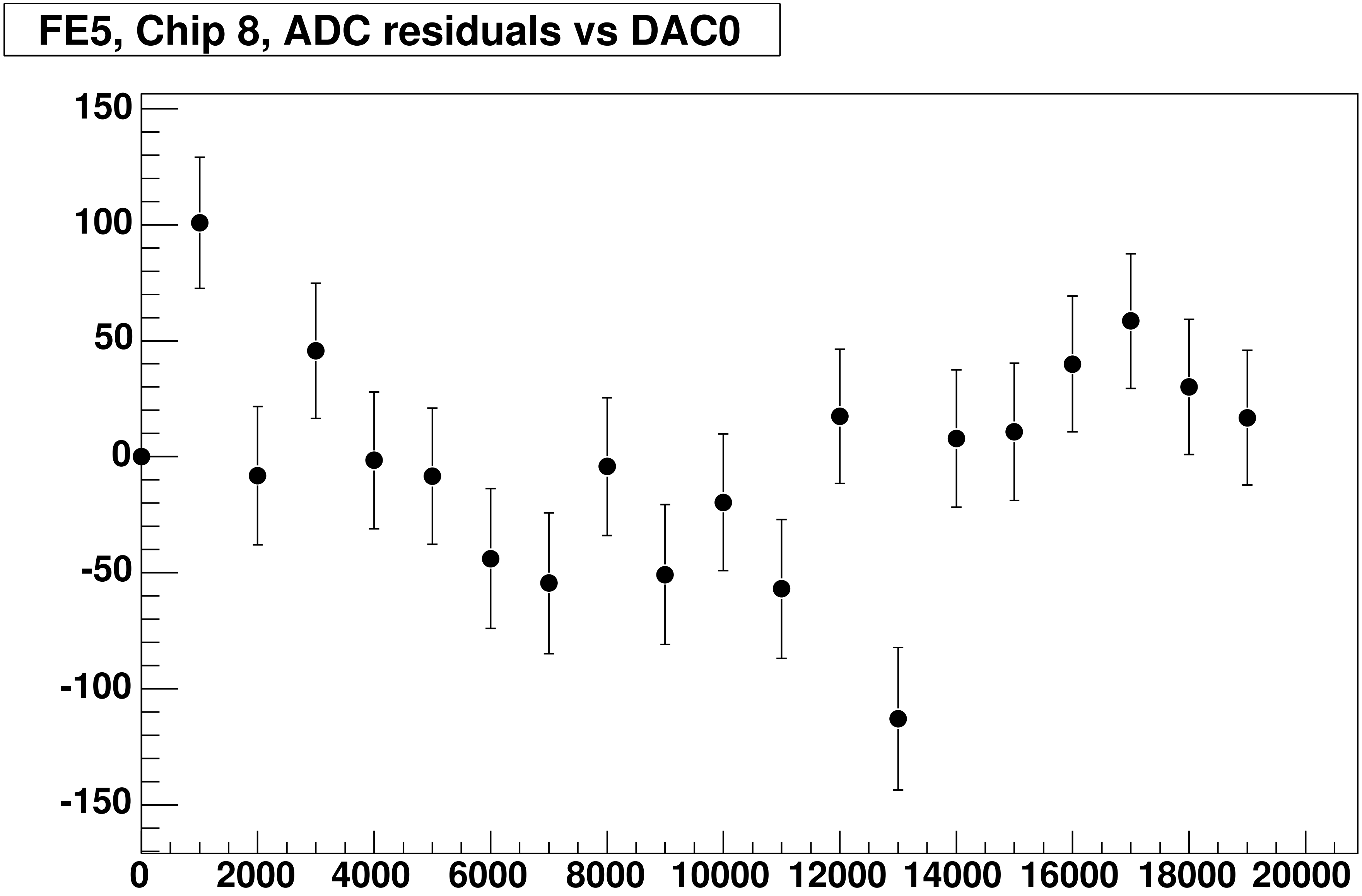
FE5, Chip 7, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 7, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

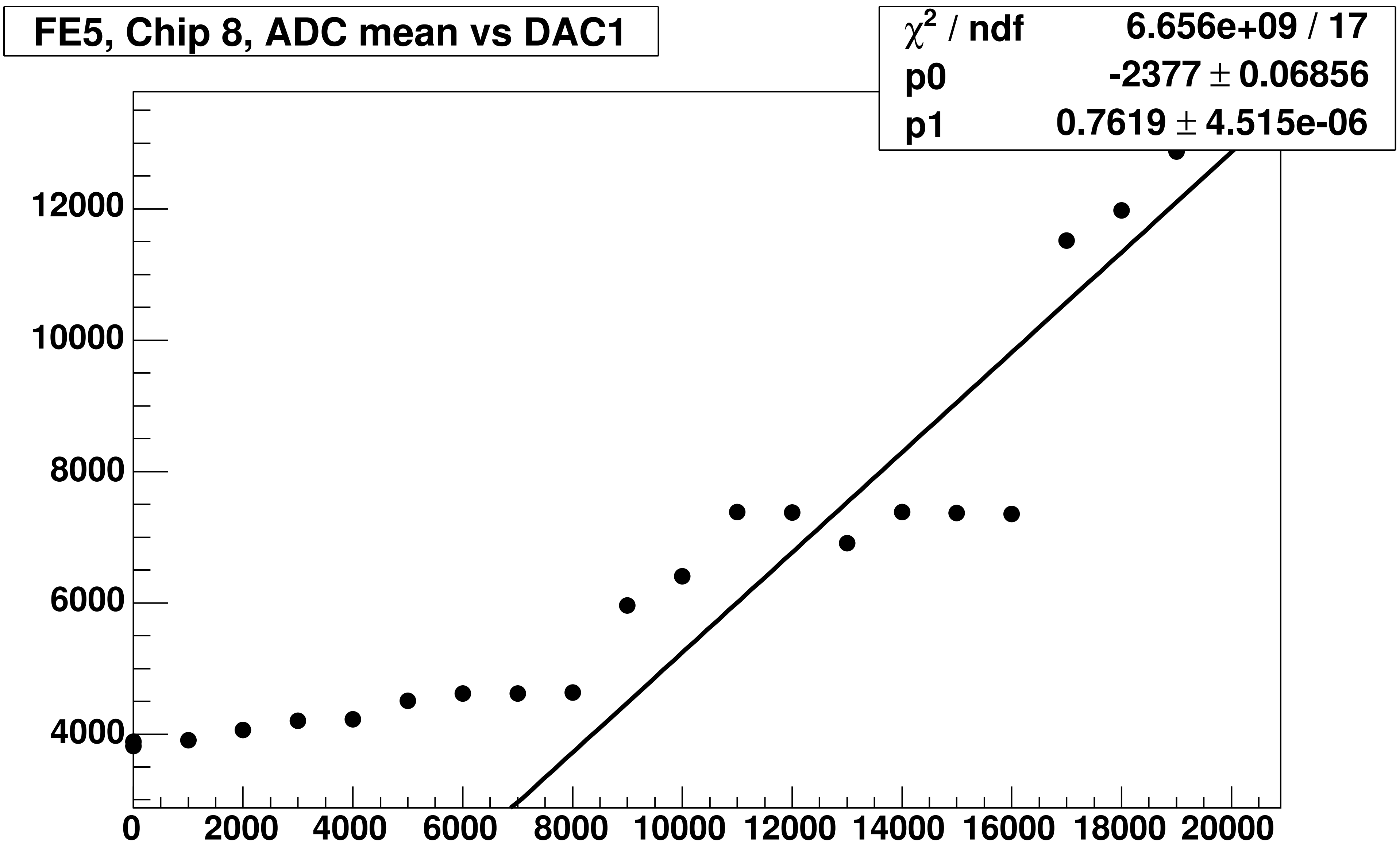


FE5, Chip 8, ADC mean vs DAC0
χ^2 / ndf 49.04 / 17
p0 3859 ± 13.99
p1 -0.003103 ± 0.001223
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

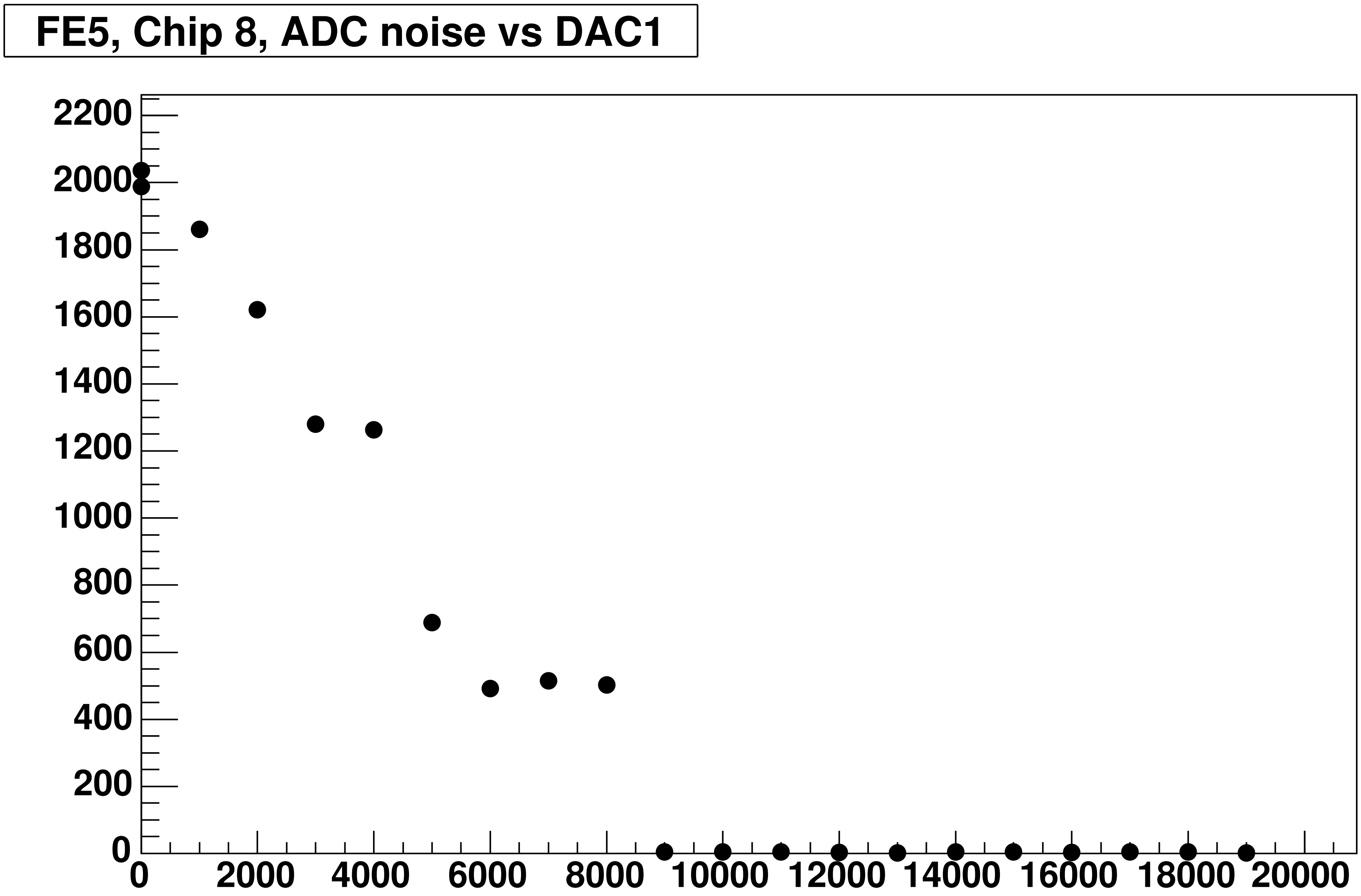

FE5, Chip 8, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

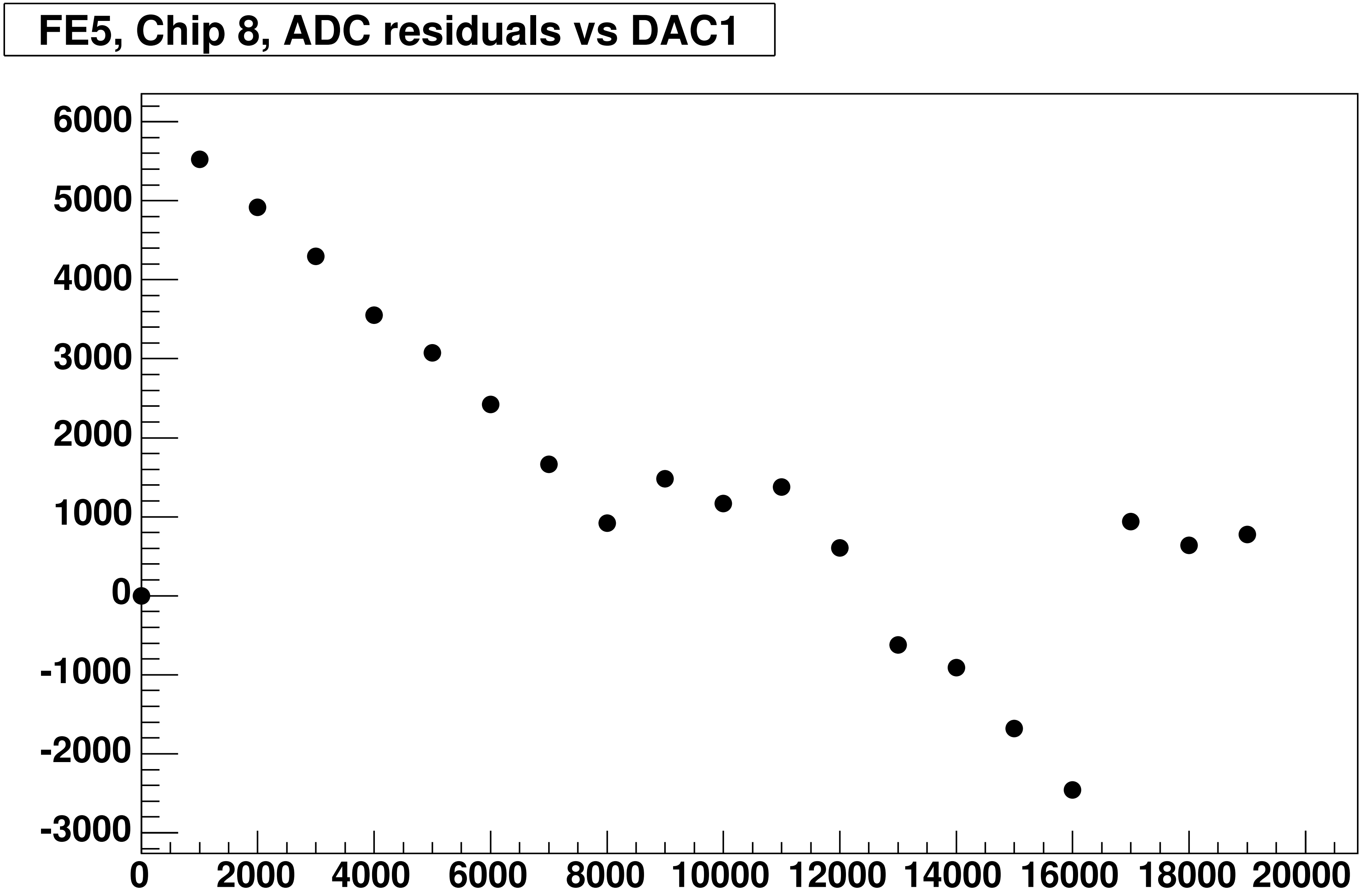


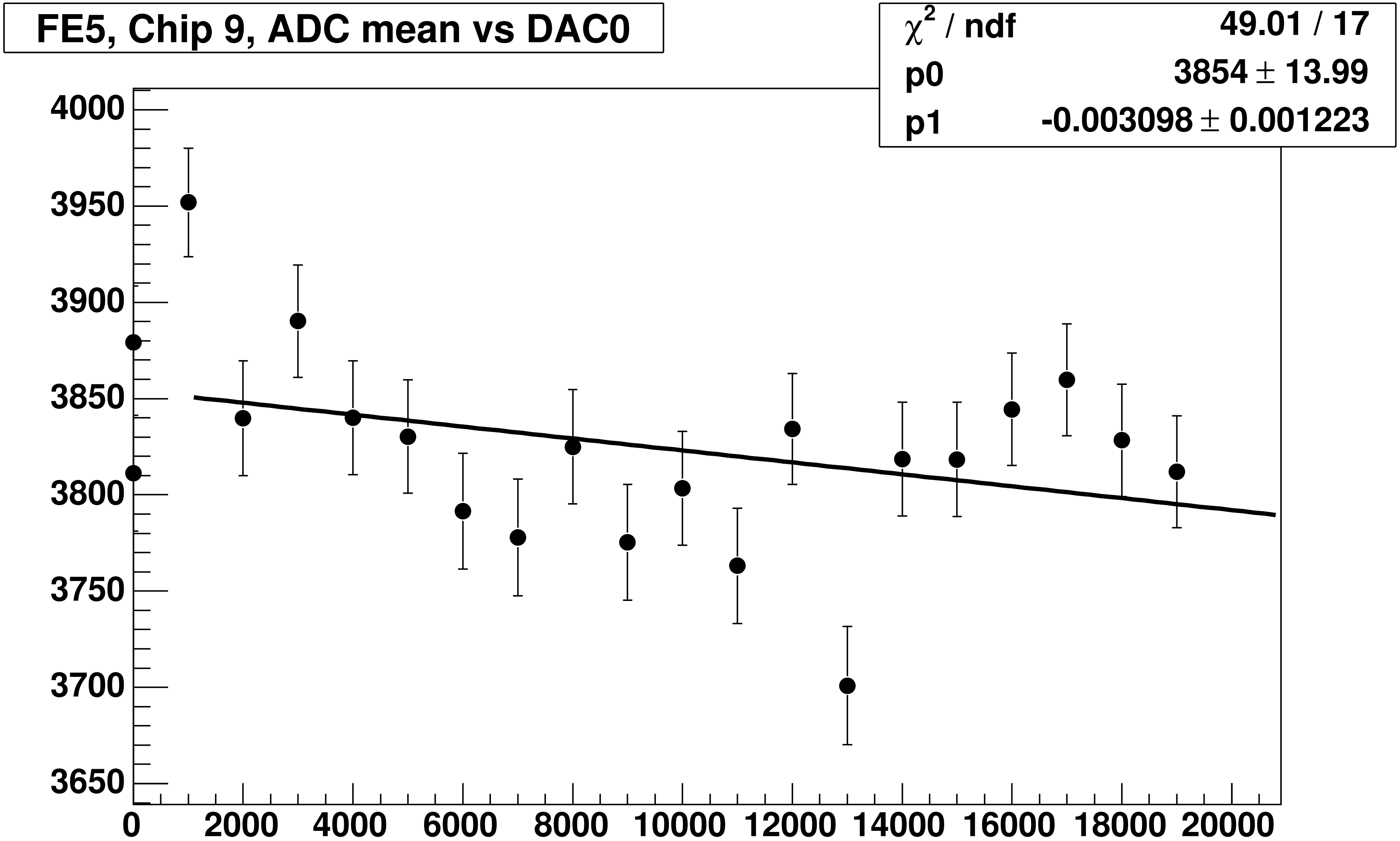
FE5, Chip 8, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



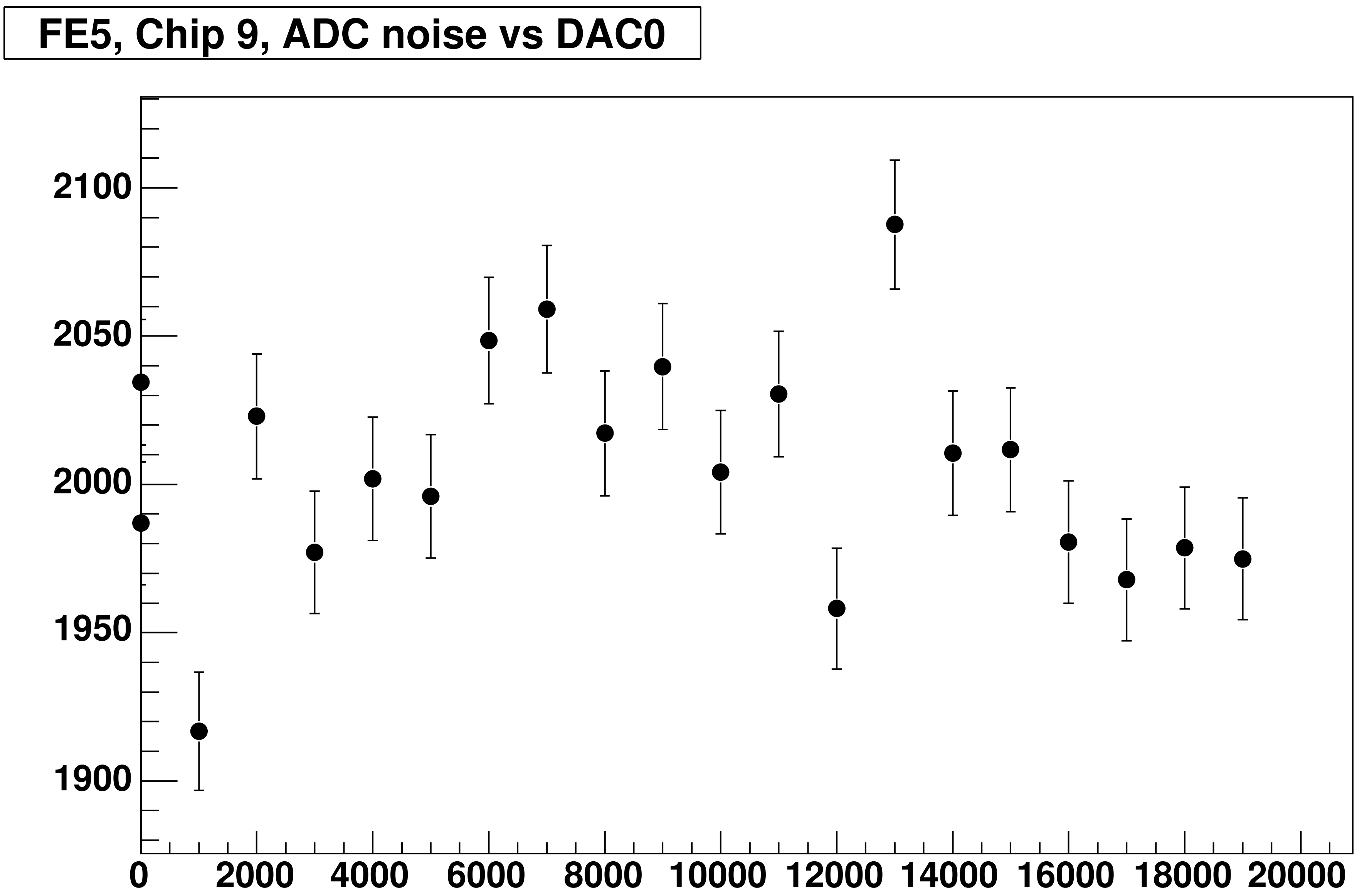
FE5, Chip 8, ADC mean vs DAC1
χ^2 / ndf 6.656e+09 / 17
p0 -2377 ± 0.06856
p1 0.7619 ± 4.515e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 8, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

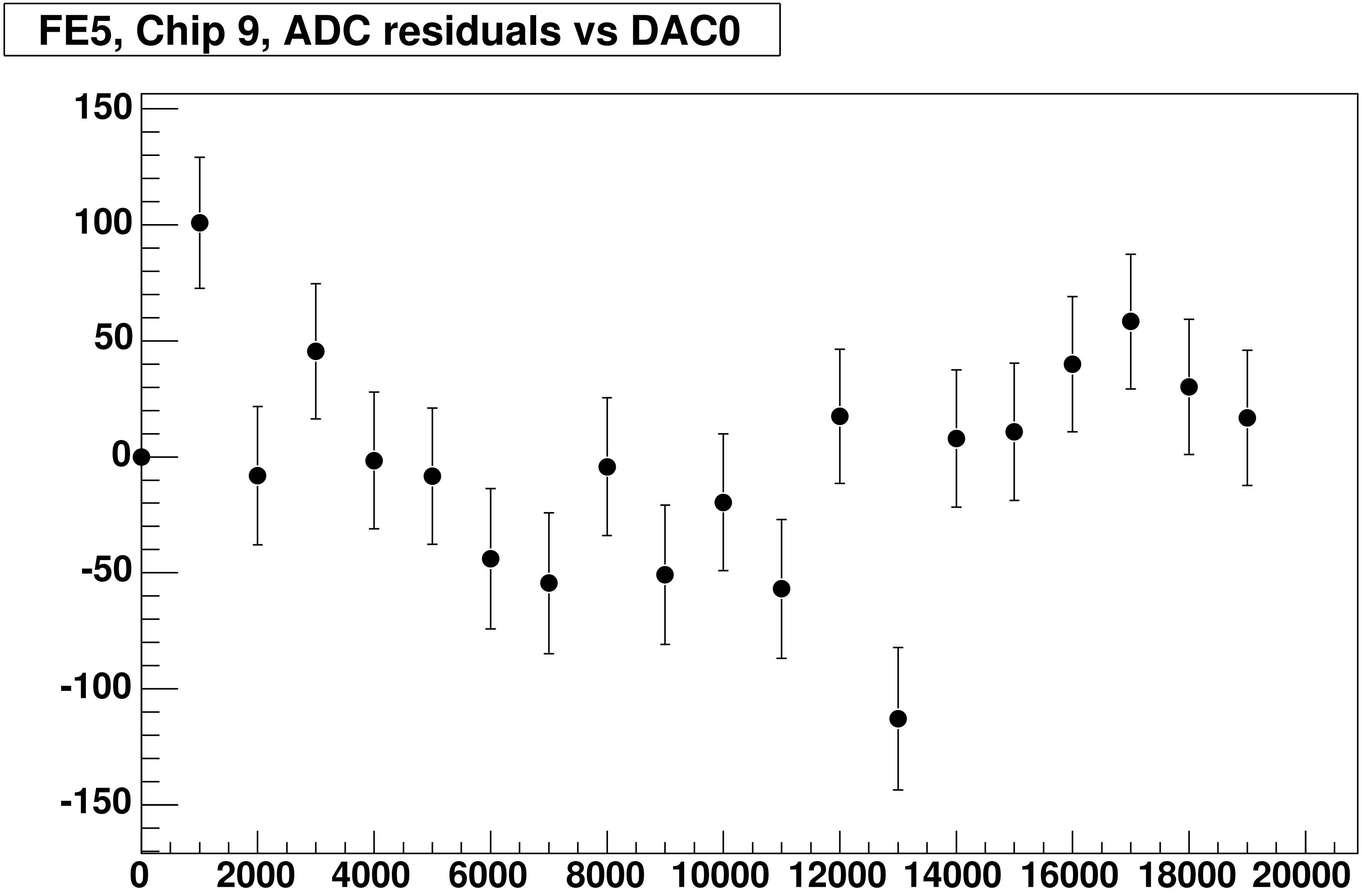

FE5, Chip 8, ADC residuals vs DAC1
6000
5000
4000
3000
2000
1000
0
-1000
-2000
-3000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



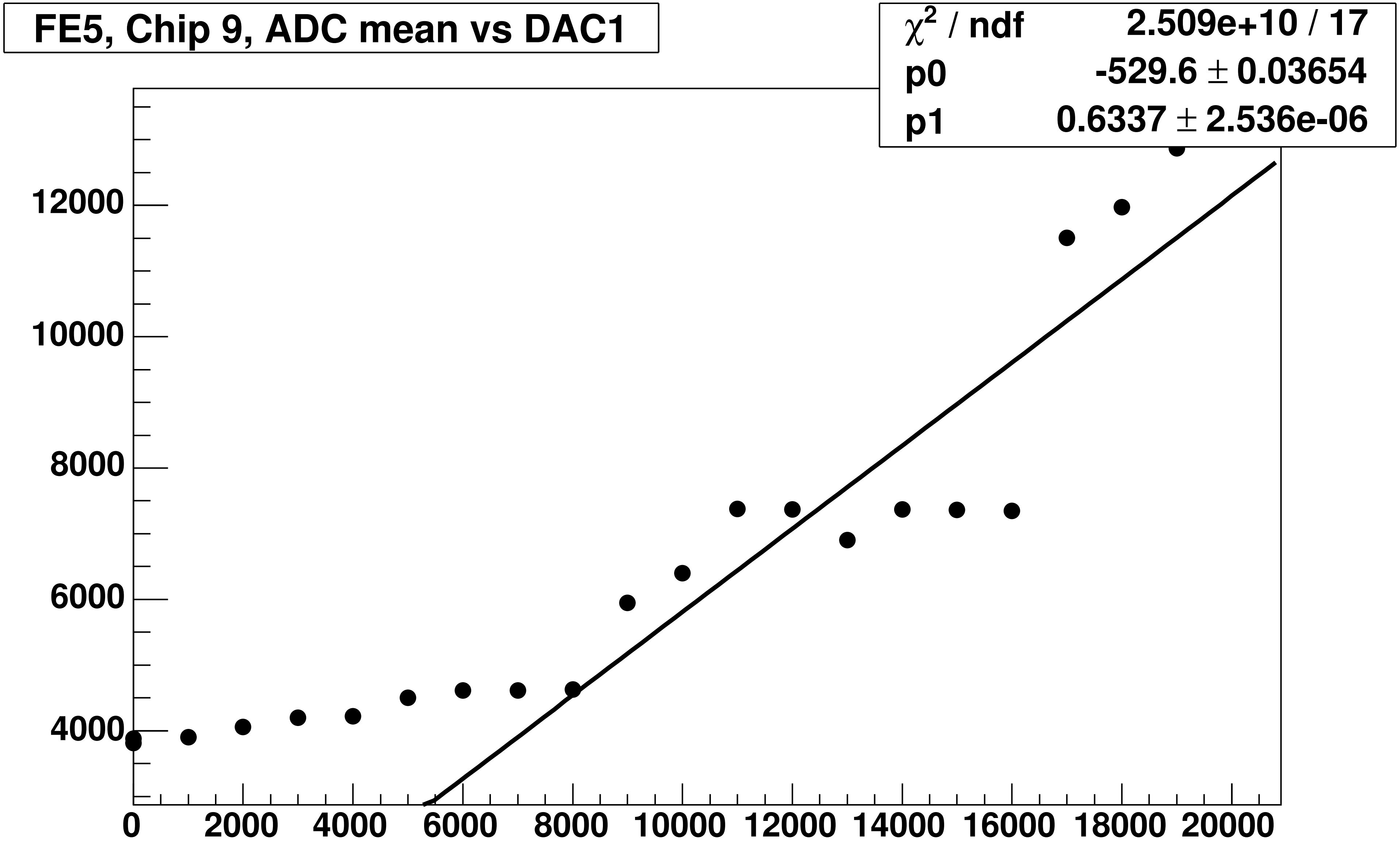
FE5, Chip 9, ADC mean vs DAC0
χ^2 / ndf 49.01 / 17
p0 3854 ± 13.99
p1 -0.003098 ± 0.001223
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



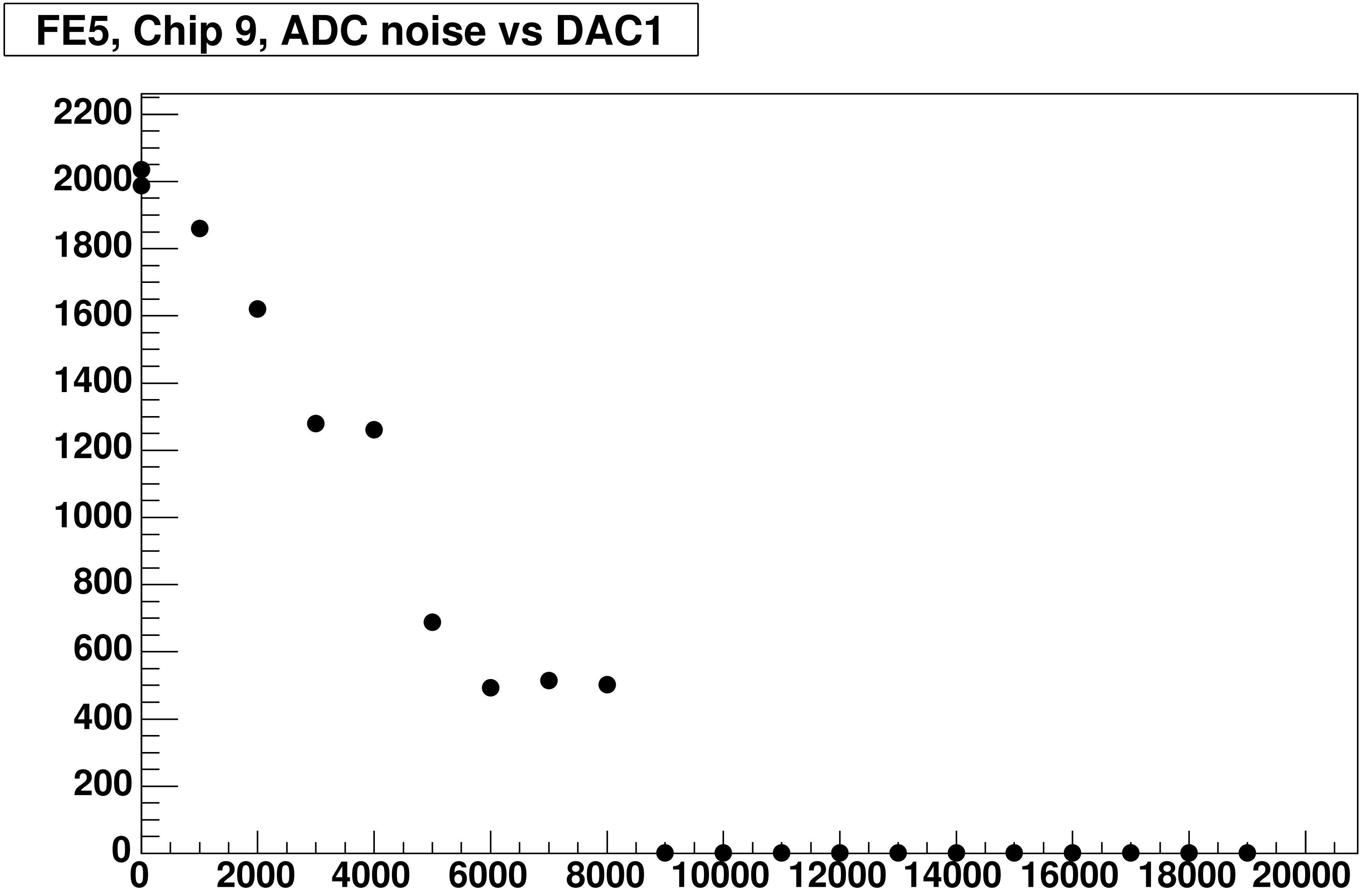
FE5, Chip 9, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



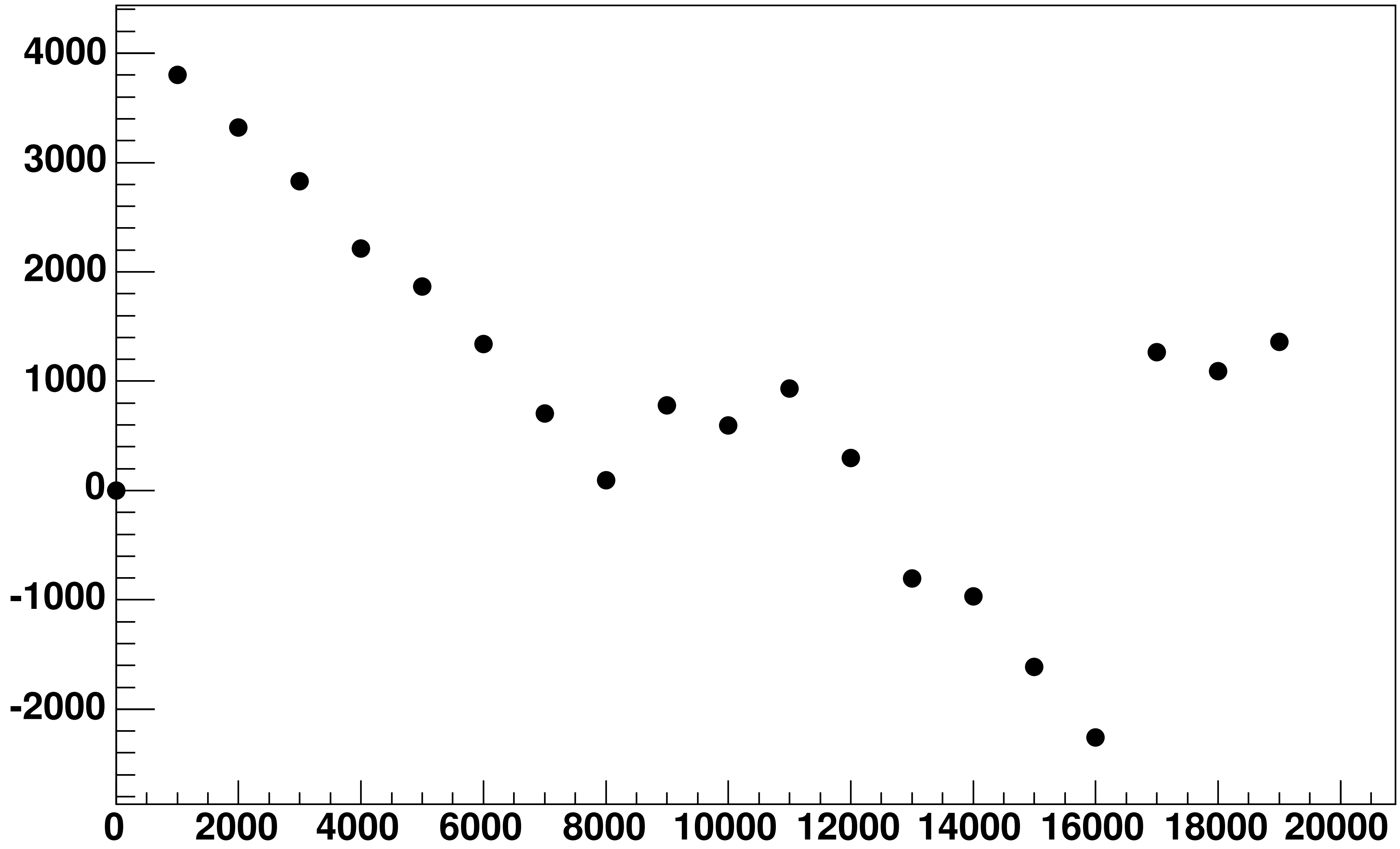
FE5, Chip 9, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

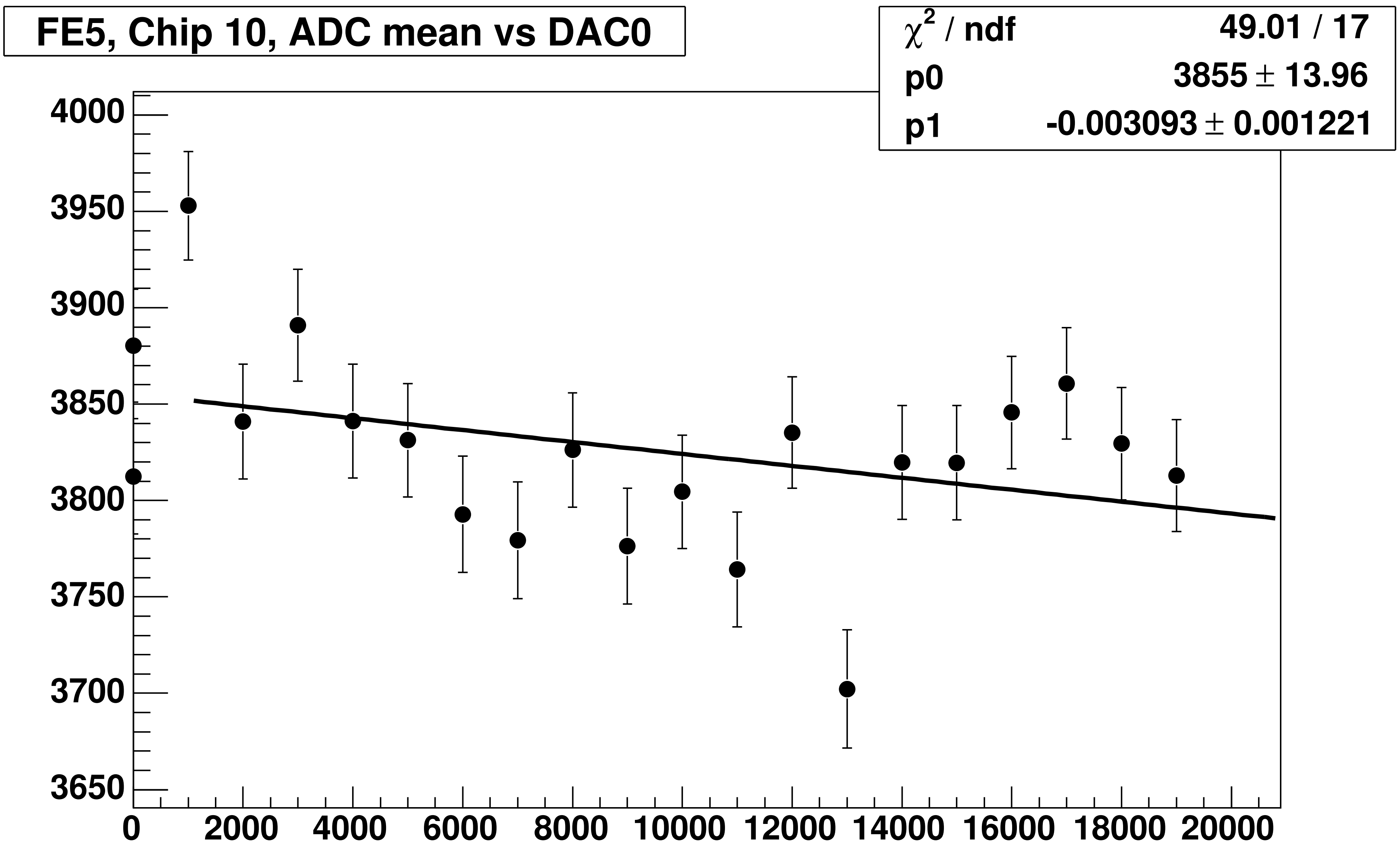


FE5, Chip 9, ADC mean vs DAC1
χ^2 / ndf 2.509e+10 / 17
p0 -529.6 ± 0.03654
p1 0.6337 ± 2.536e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

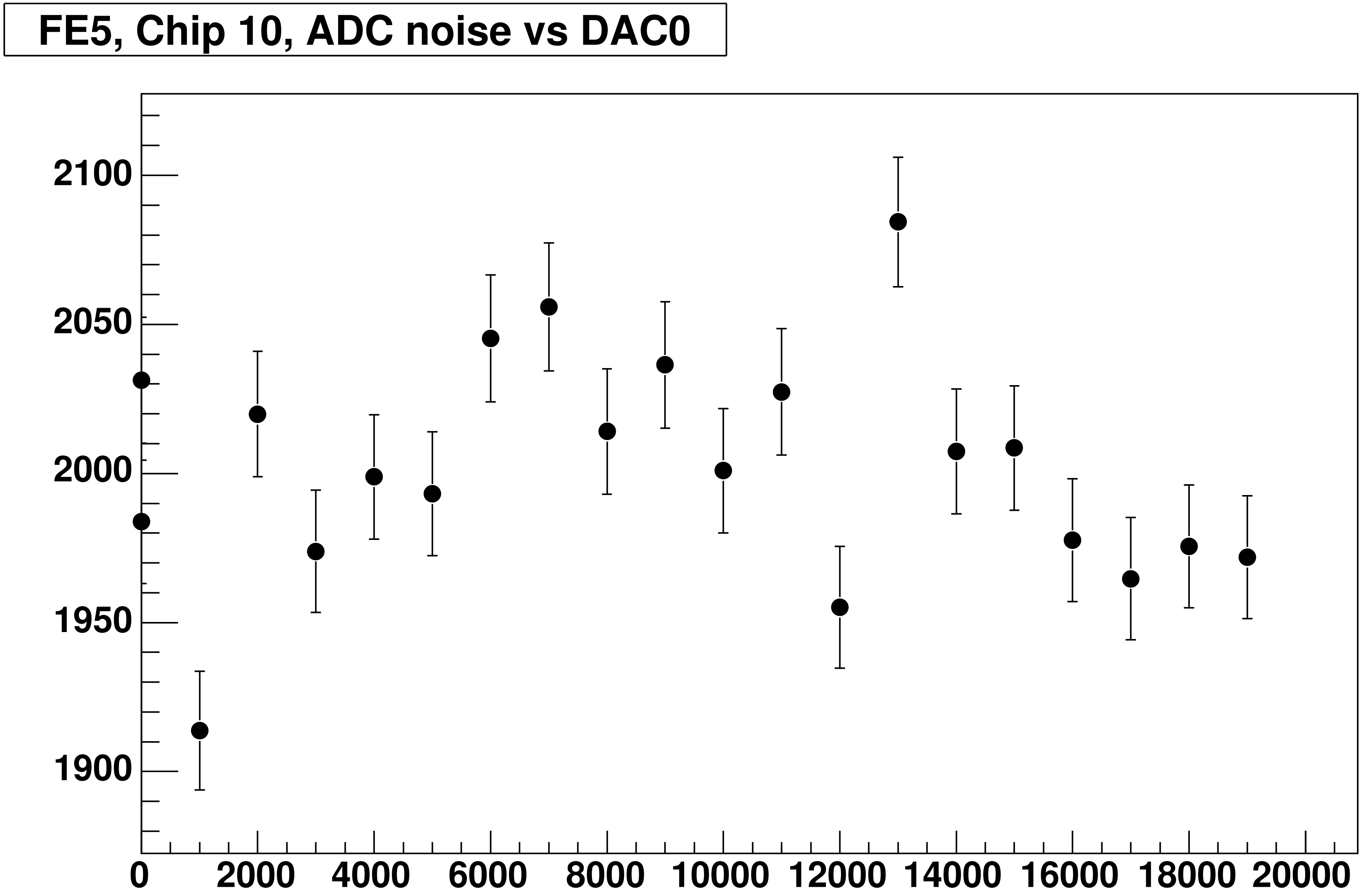

FE5, Chip 9, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

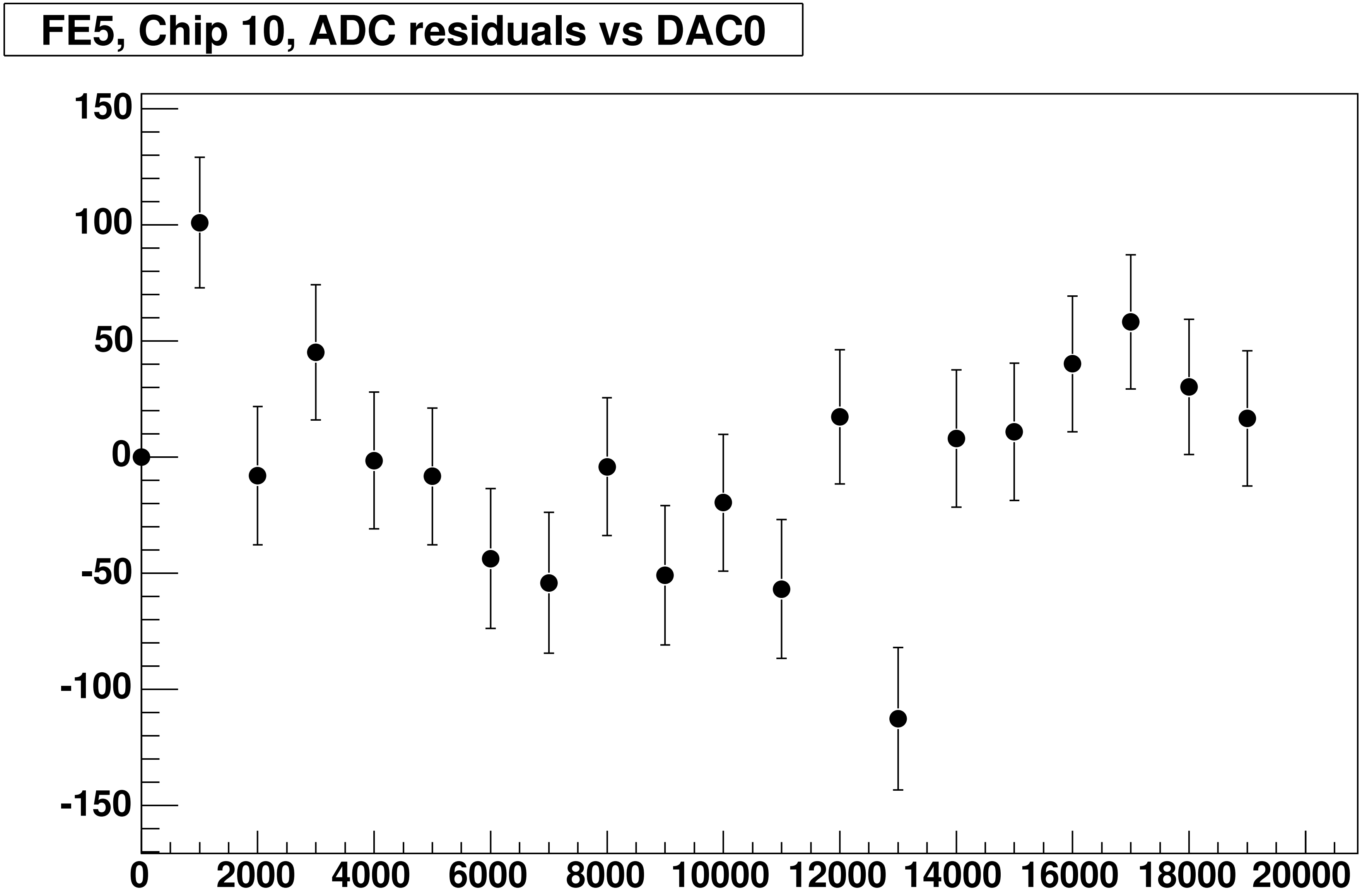
FE5, Chip 9, ADC residuals vs DAC1

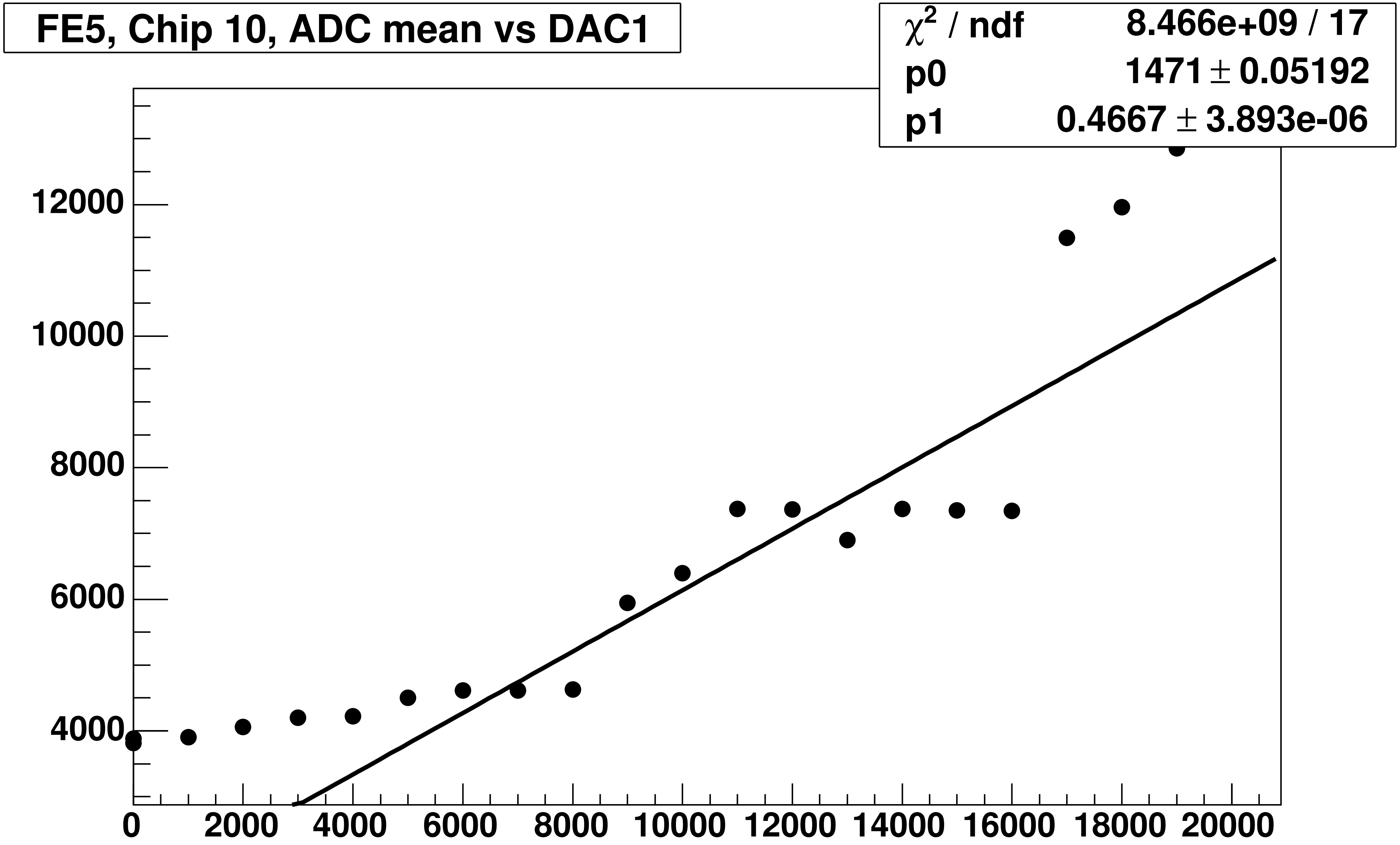




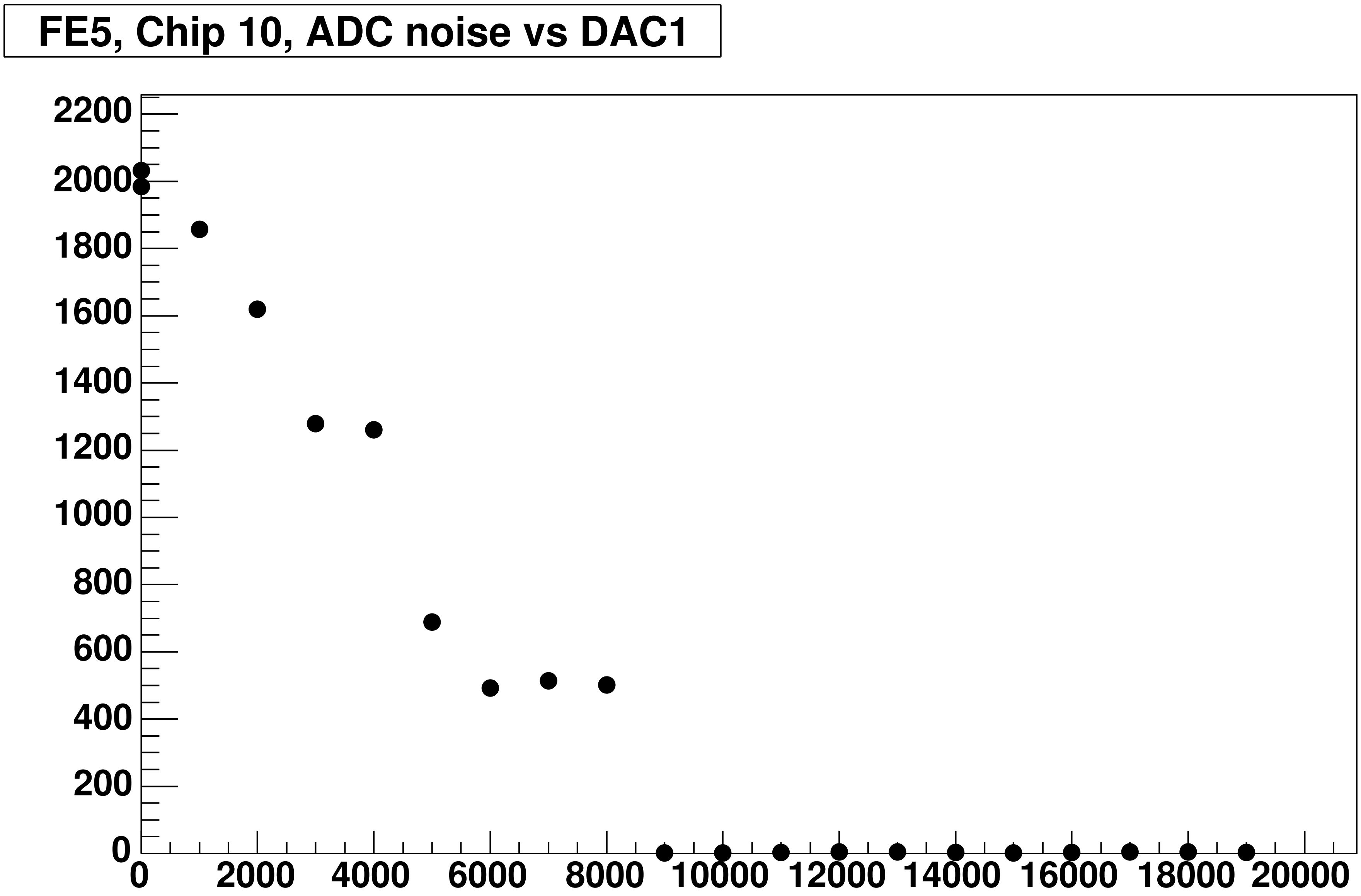
FE5, Chip 10, ADC mean vs DAC0
χ^2 / ndf 49.01 / 17
p0 3855 ± 13.96
p1 -0.003093 ± 0.001221
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

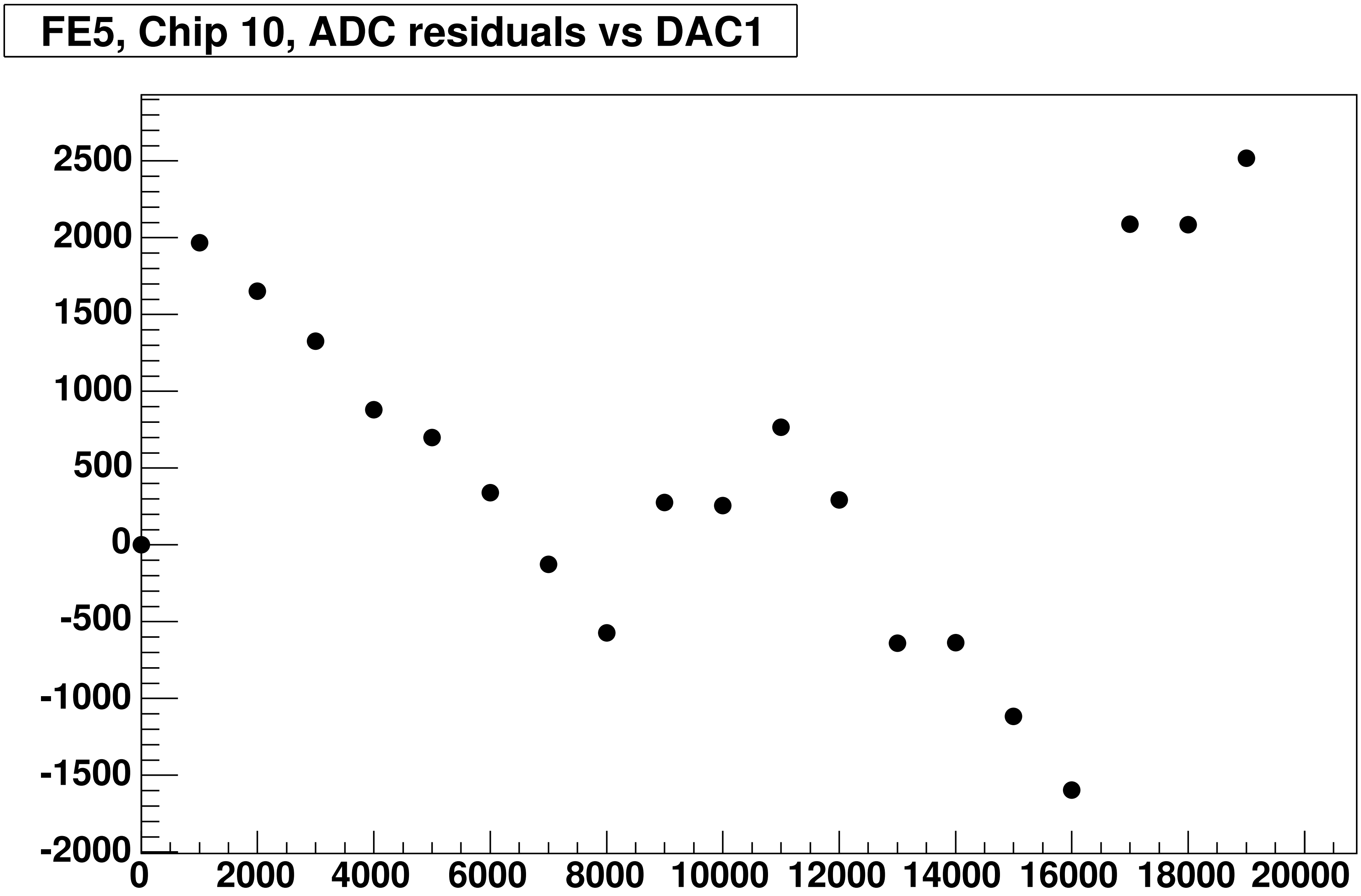

FE5, Chip 10, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

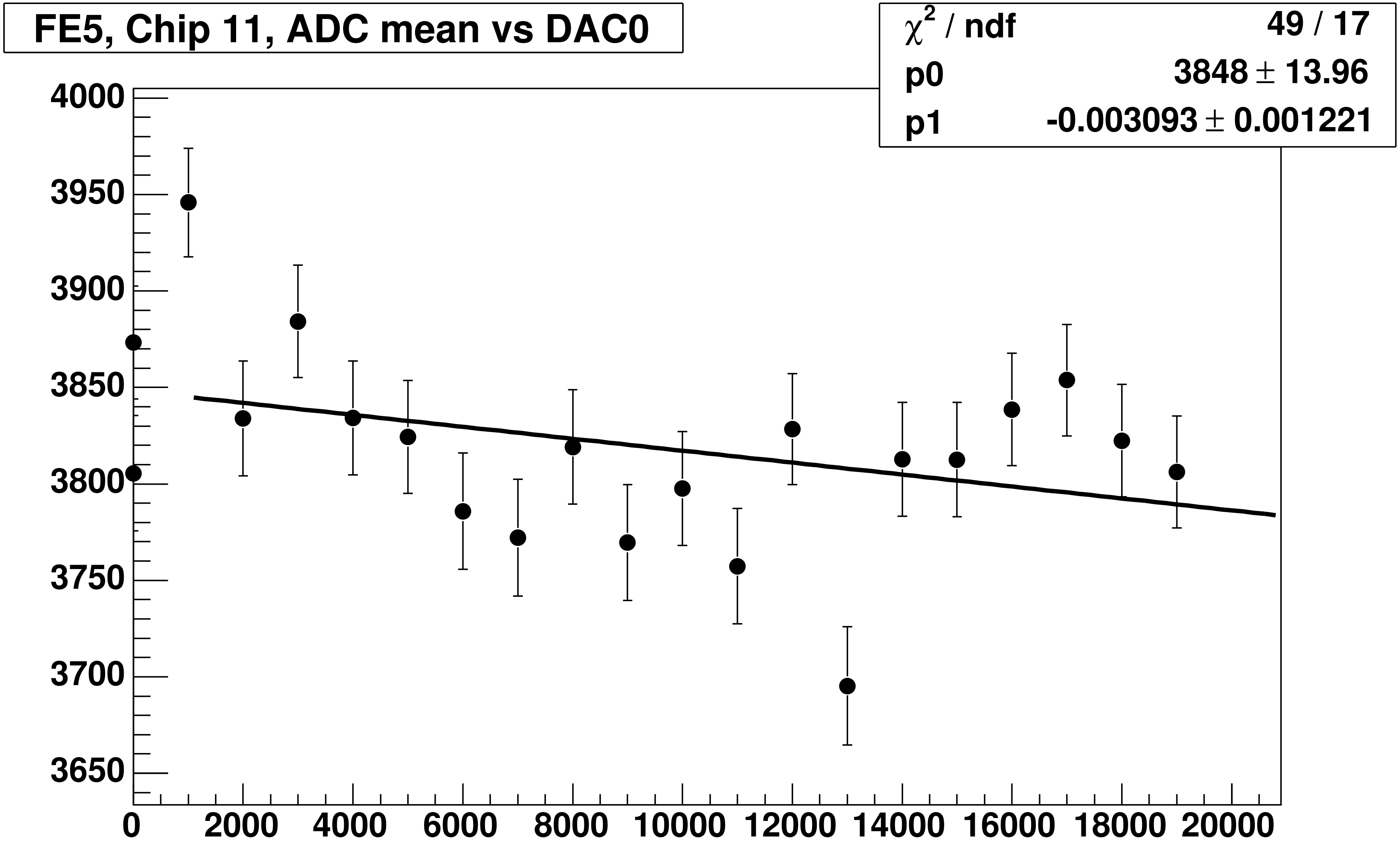

FE5, Chip 10, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



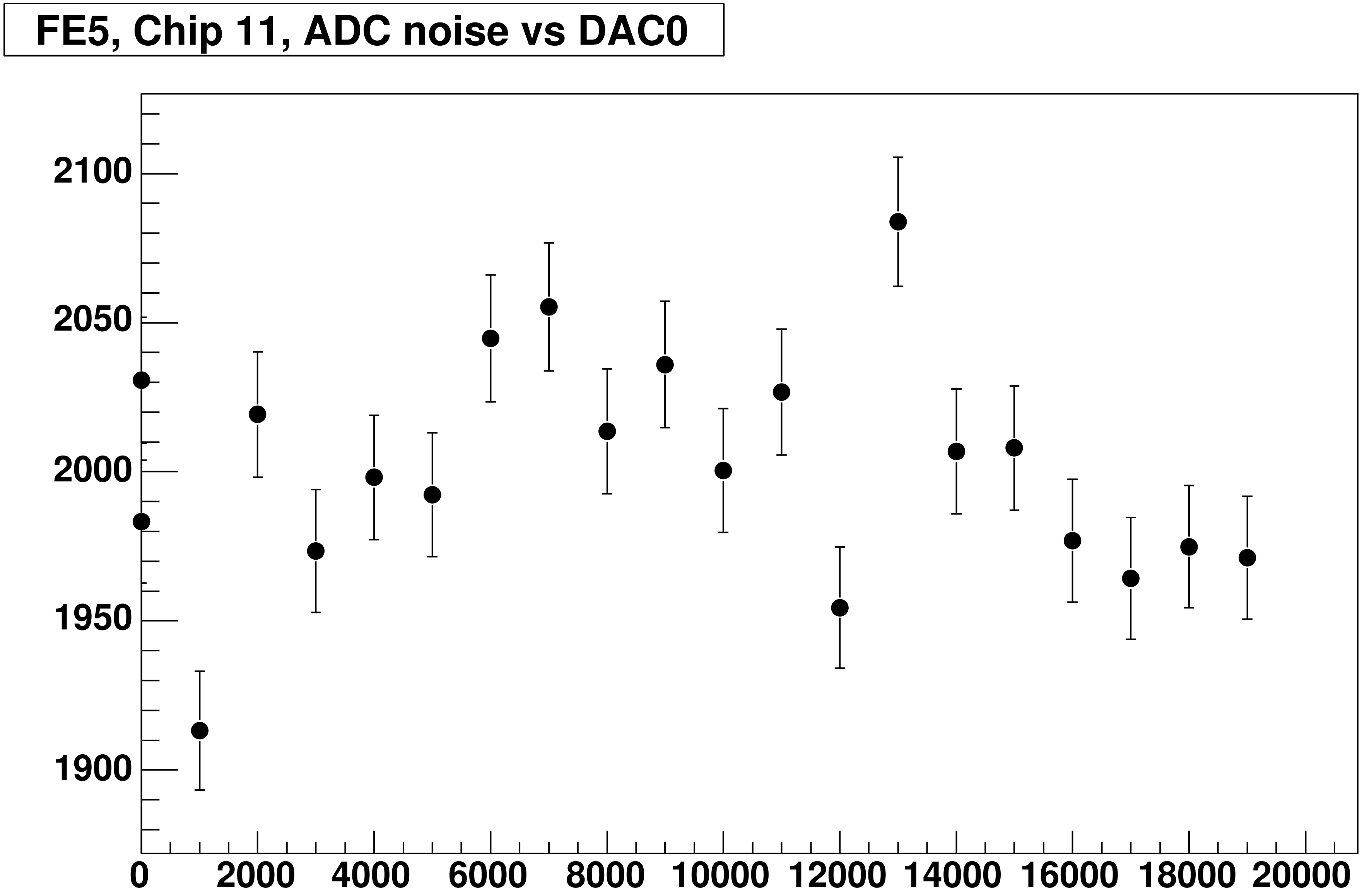
FE5, Chip 10, ADC mean vs DAC1
χ^2 / ndf 8.466e+09 / 17
p0 1471 ± 0.05192
p1 0.4667 ± 3.893e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE5, Chip 10, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

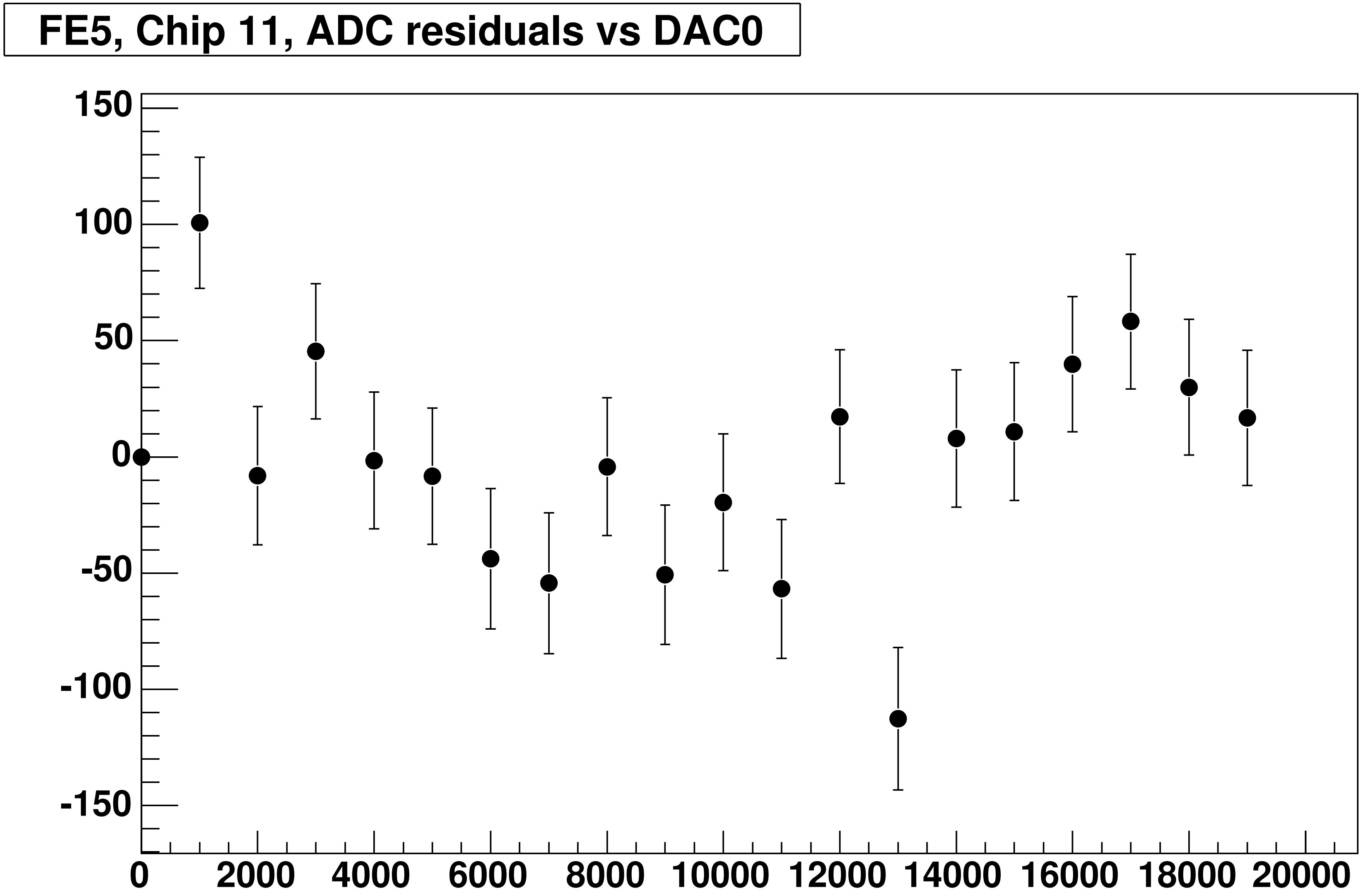

FE5, Chip 10, ADC residuals vs DAC1
2500
2000
1500
1000
500
0
-500
-1000
-1500
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



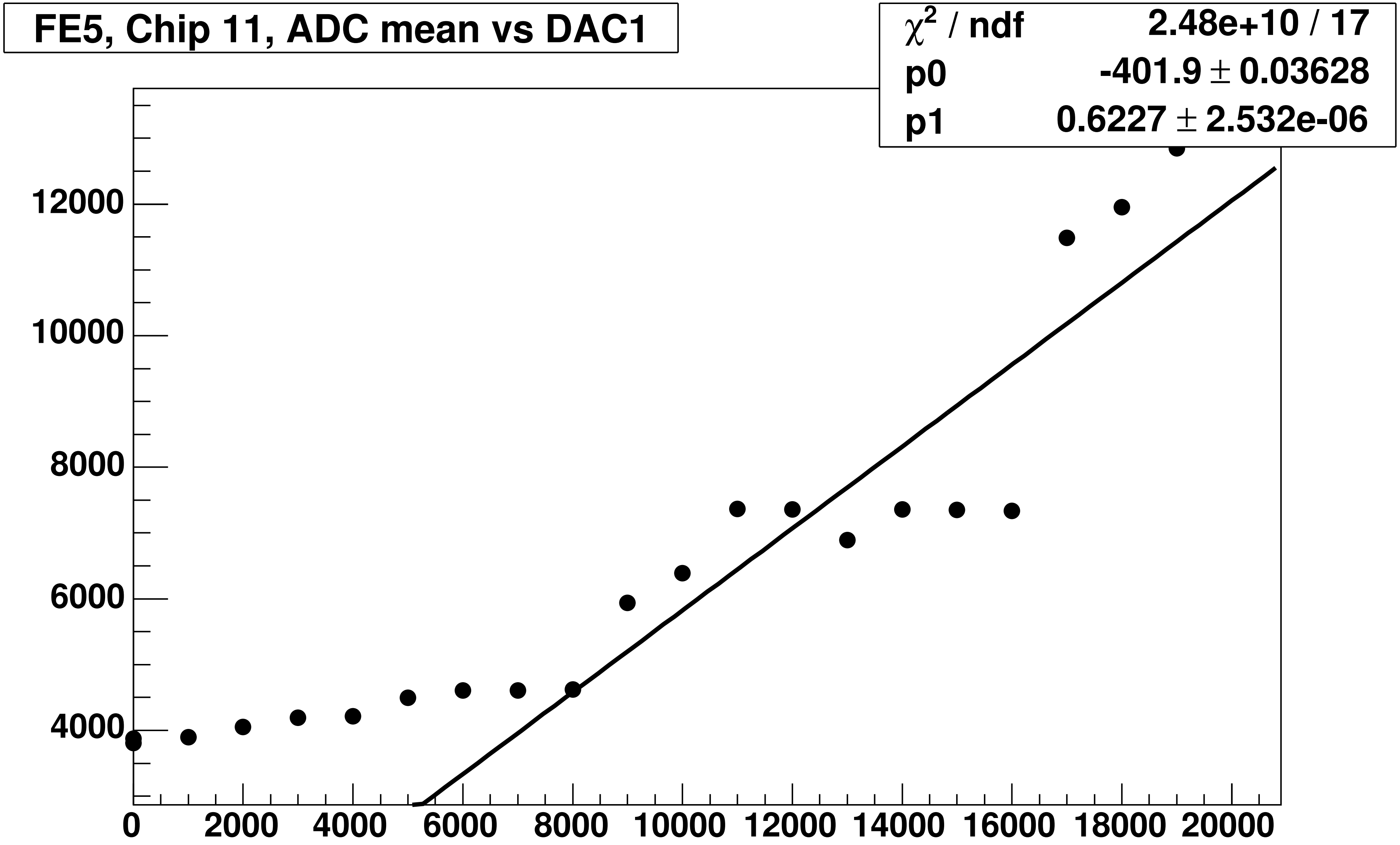
FE5, Chip 11, ADC mean vs DAC0
χ^2 / ndf 49 / 17
p0 3848 ± 13.96
p1 -0.003093 ± 0.001221
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



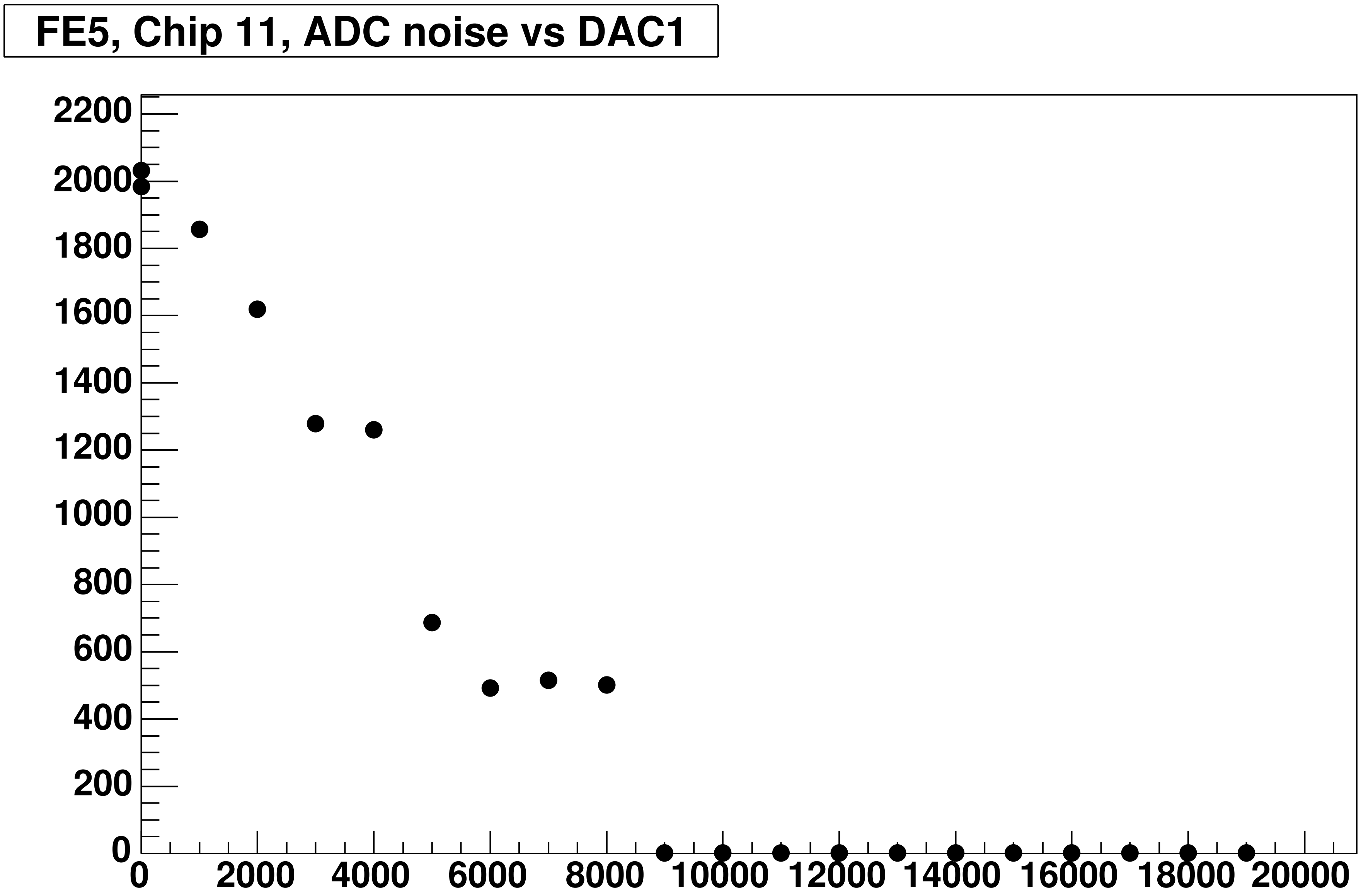
FE5, Chip 11, ADC noise vs DAC0
2100
2050
2000
1950
1900
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

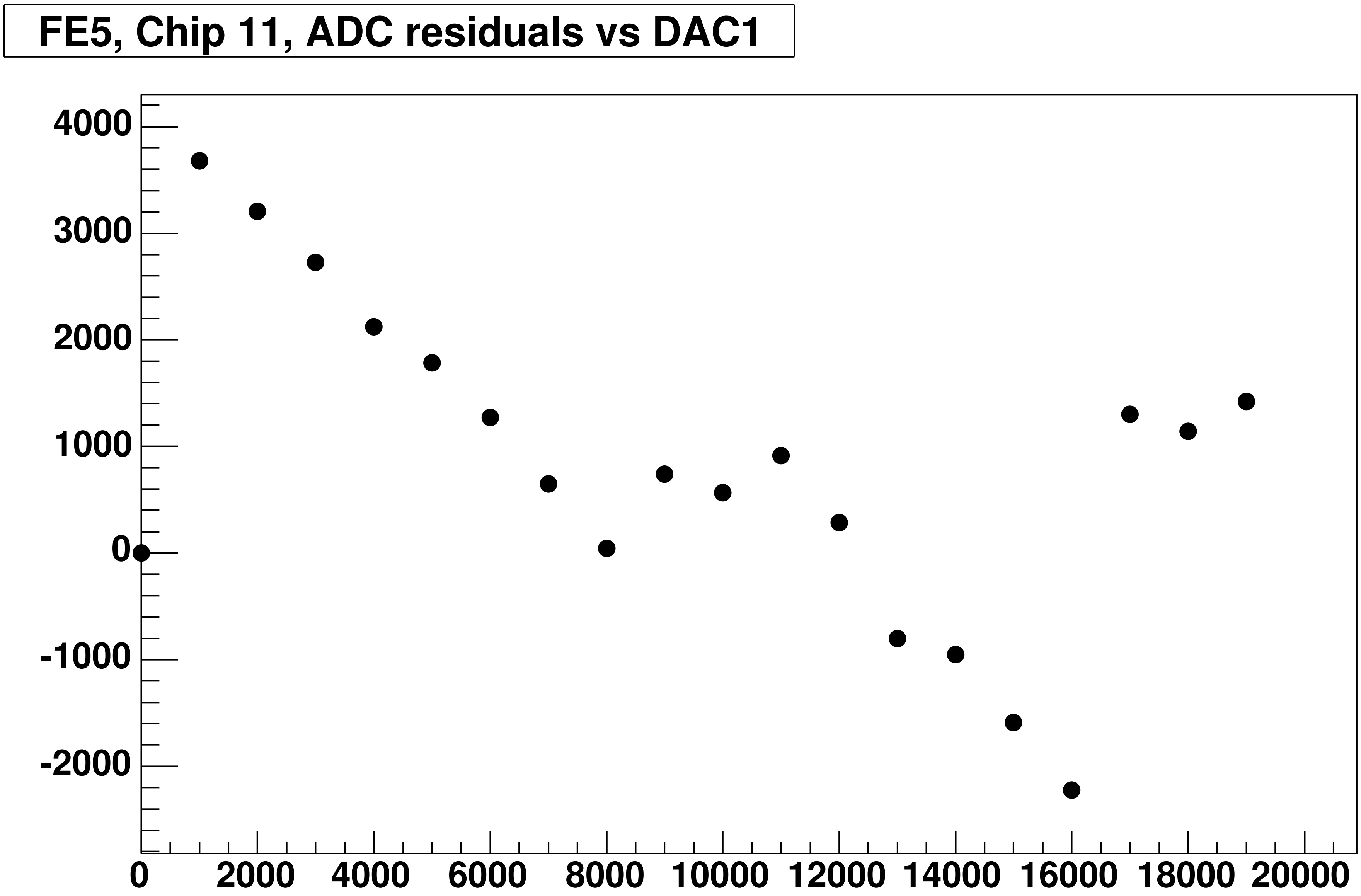


FE5, Chip 11, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

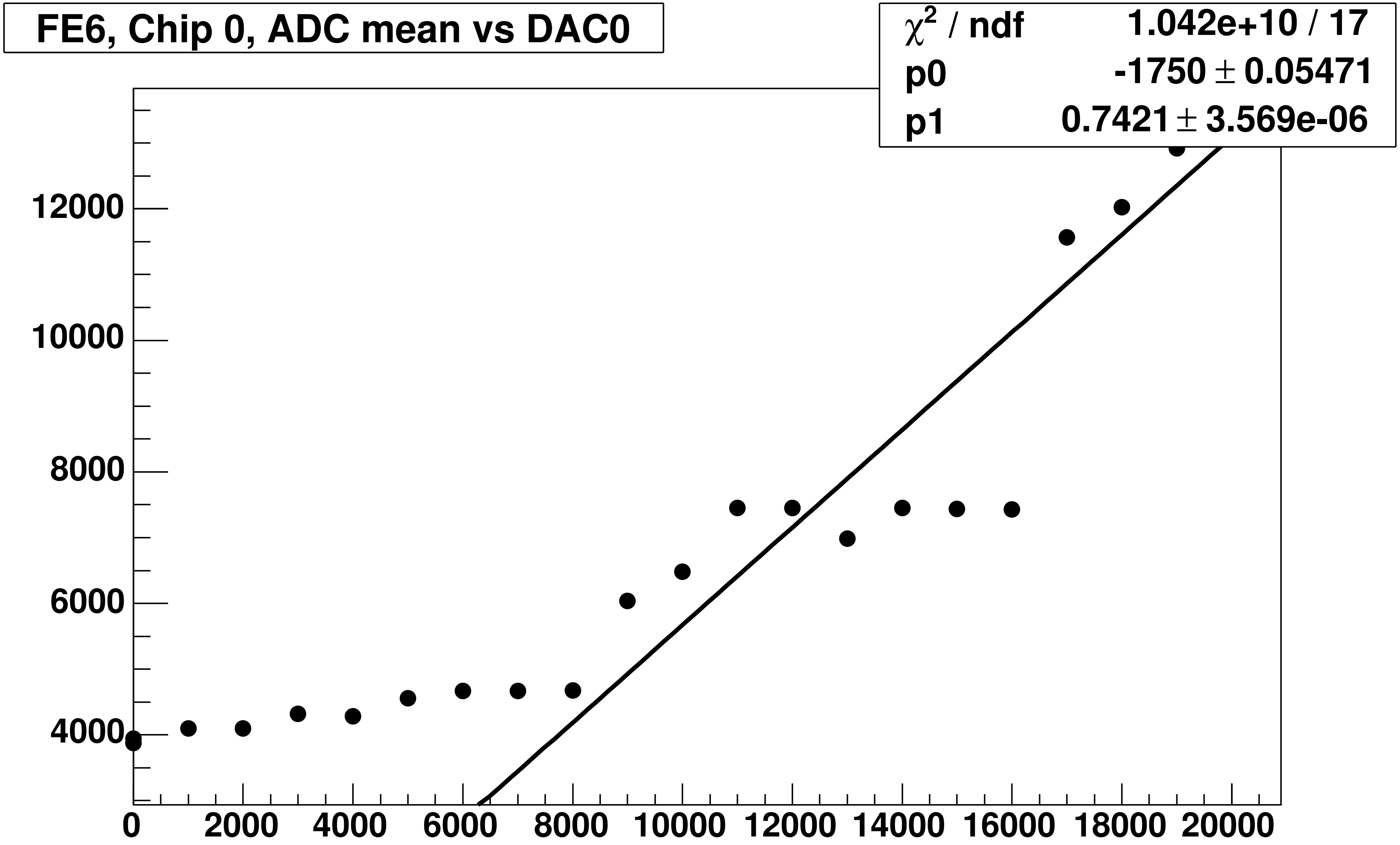


FE5, Chip 11, ADC mean vs DAC1
χ^2 / ndf 2.48e+10 / 17
p0 -401.9 ± 0.03628
p1 0.6227 ± 2.532e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

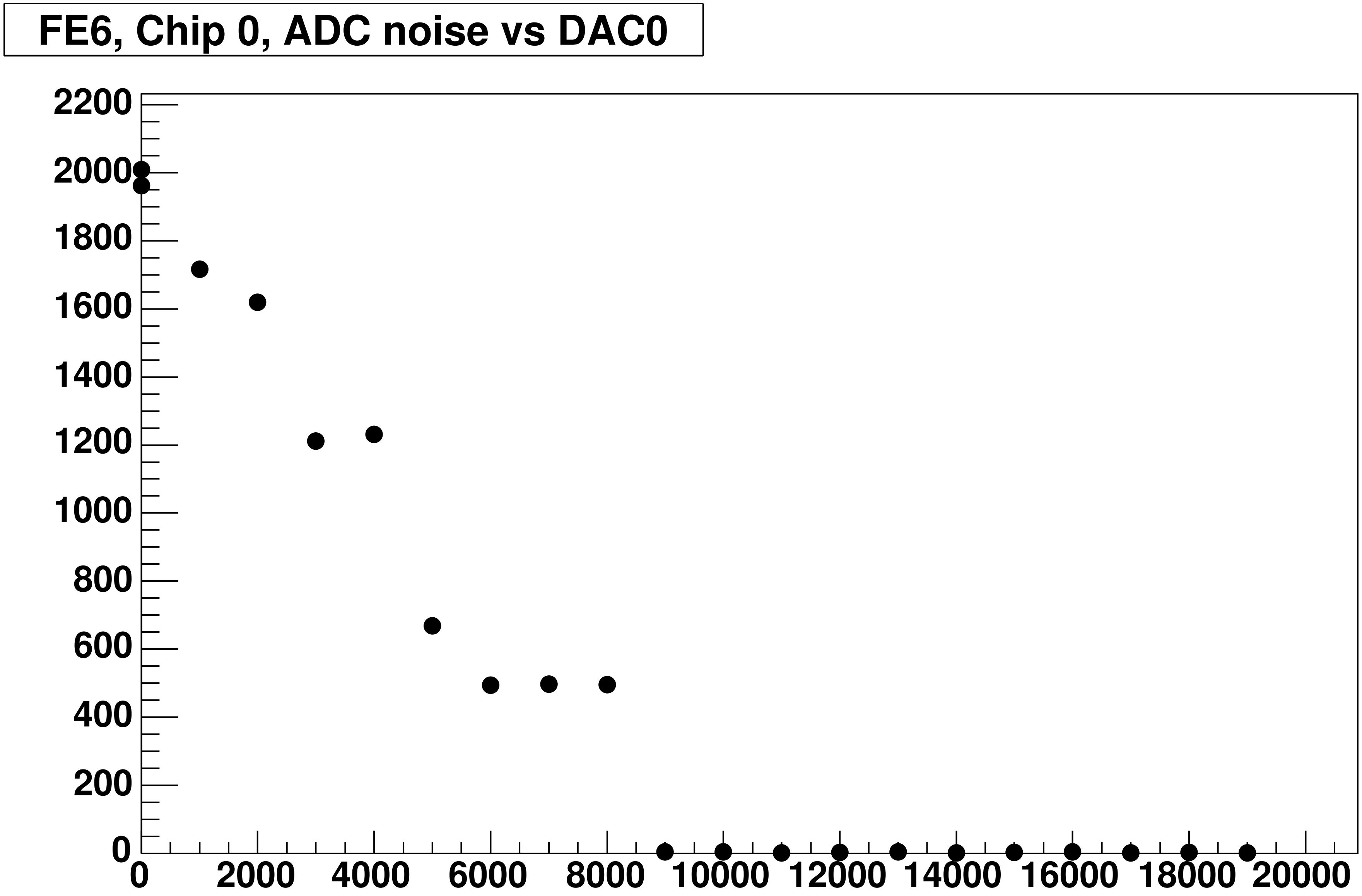

FE5, Chip 11, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

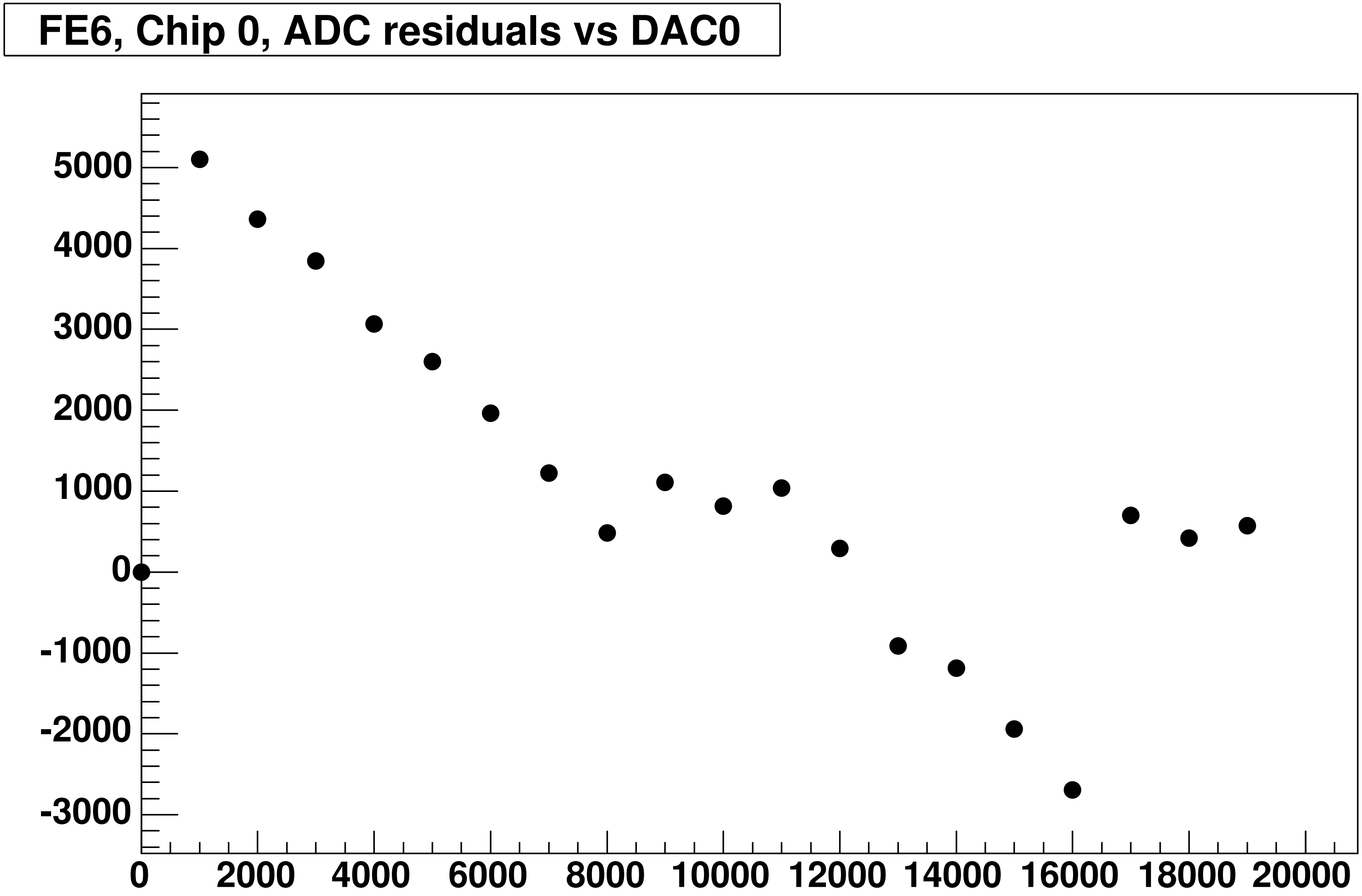


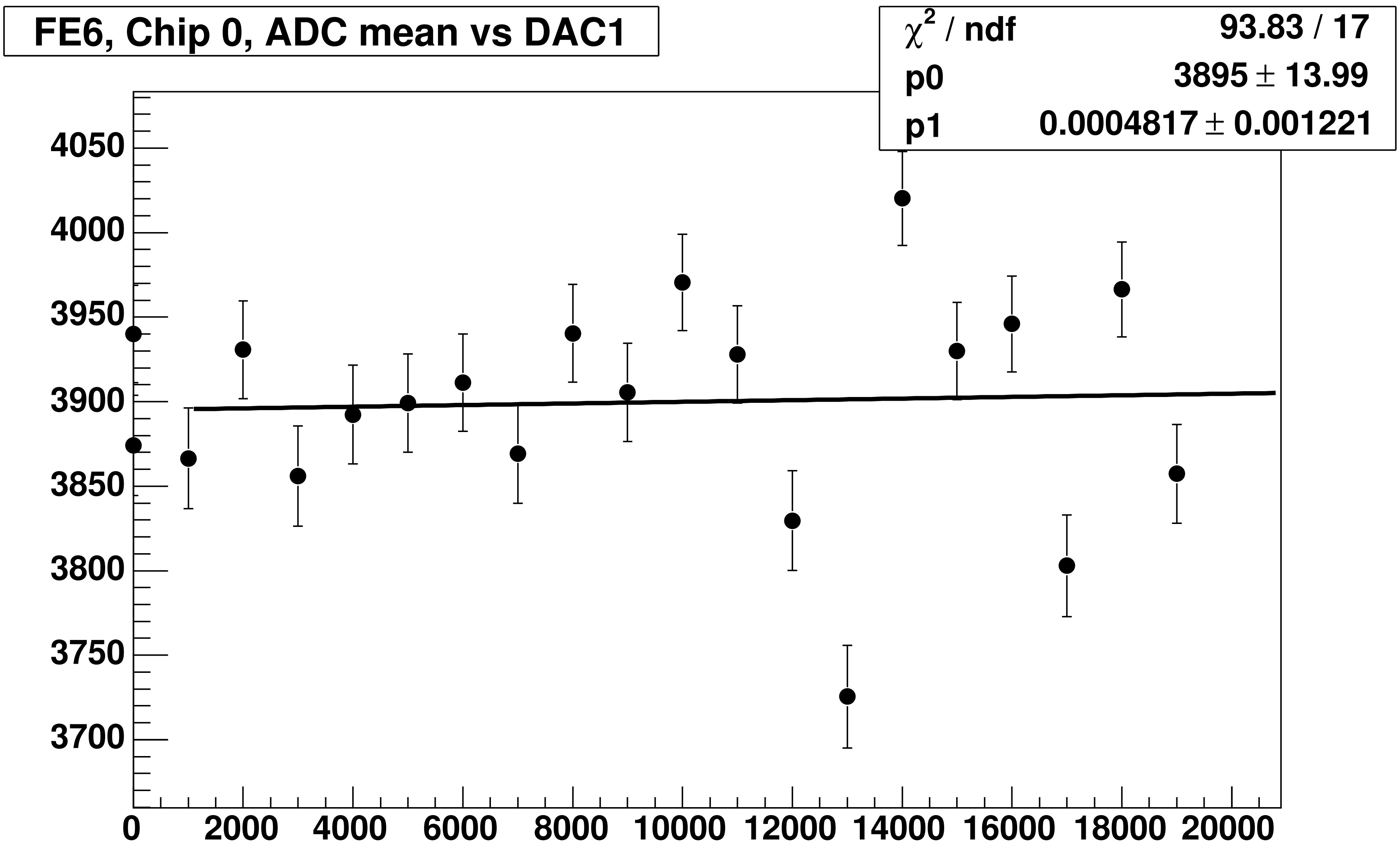
FE5, Chip 11, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



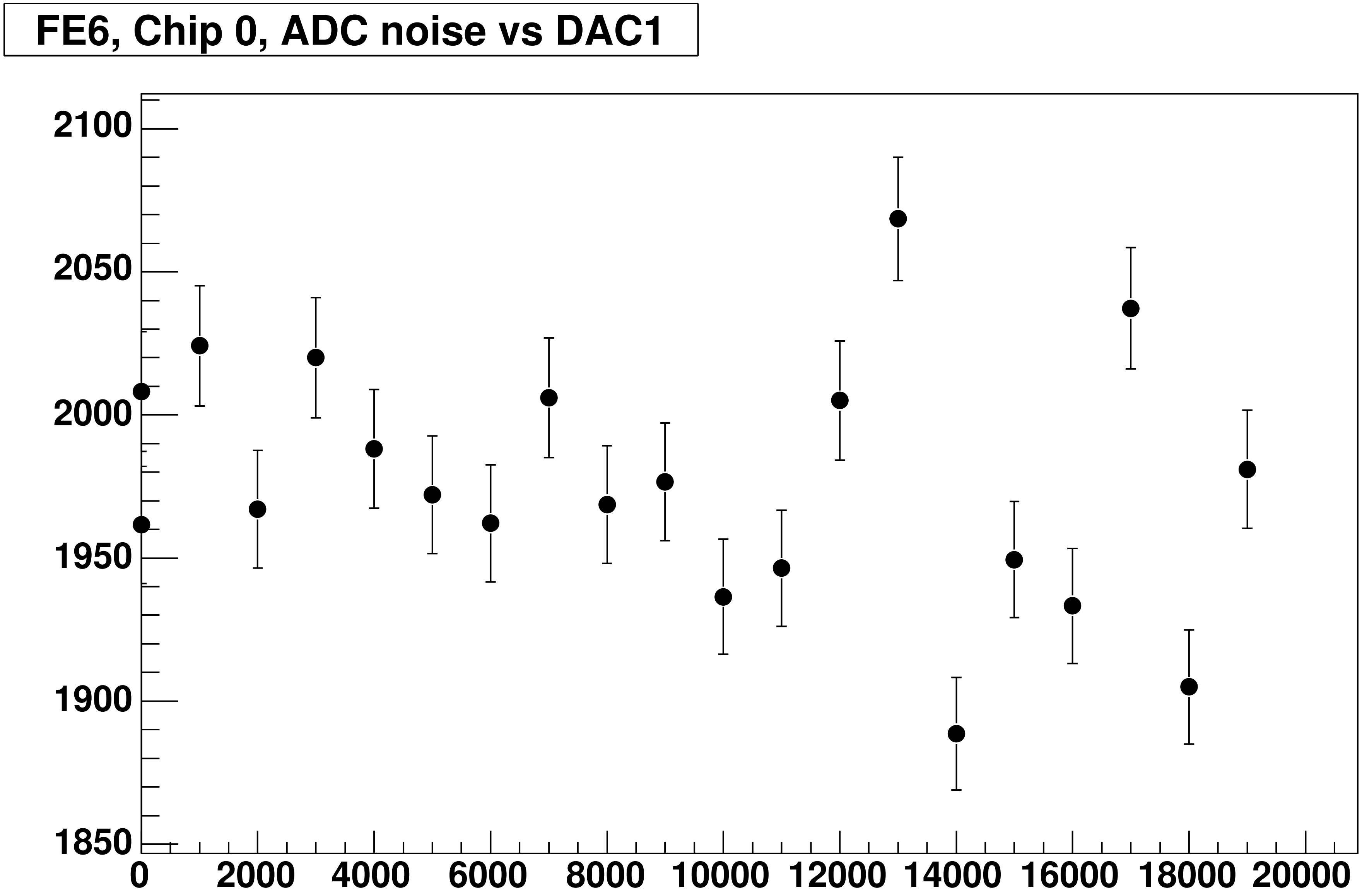
FE6, Chip 0, ADC mean vs DAC0
χ² / ndf 1.042e+10 / 17
p0 -1750 ± 0.05471
p1 0.7421 ± 3.569e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

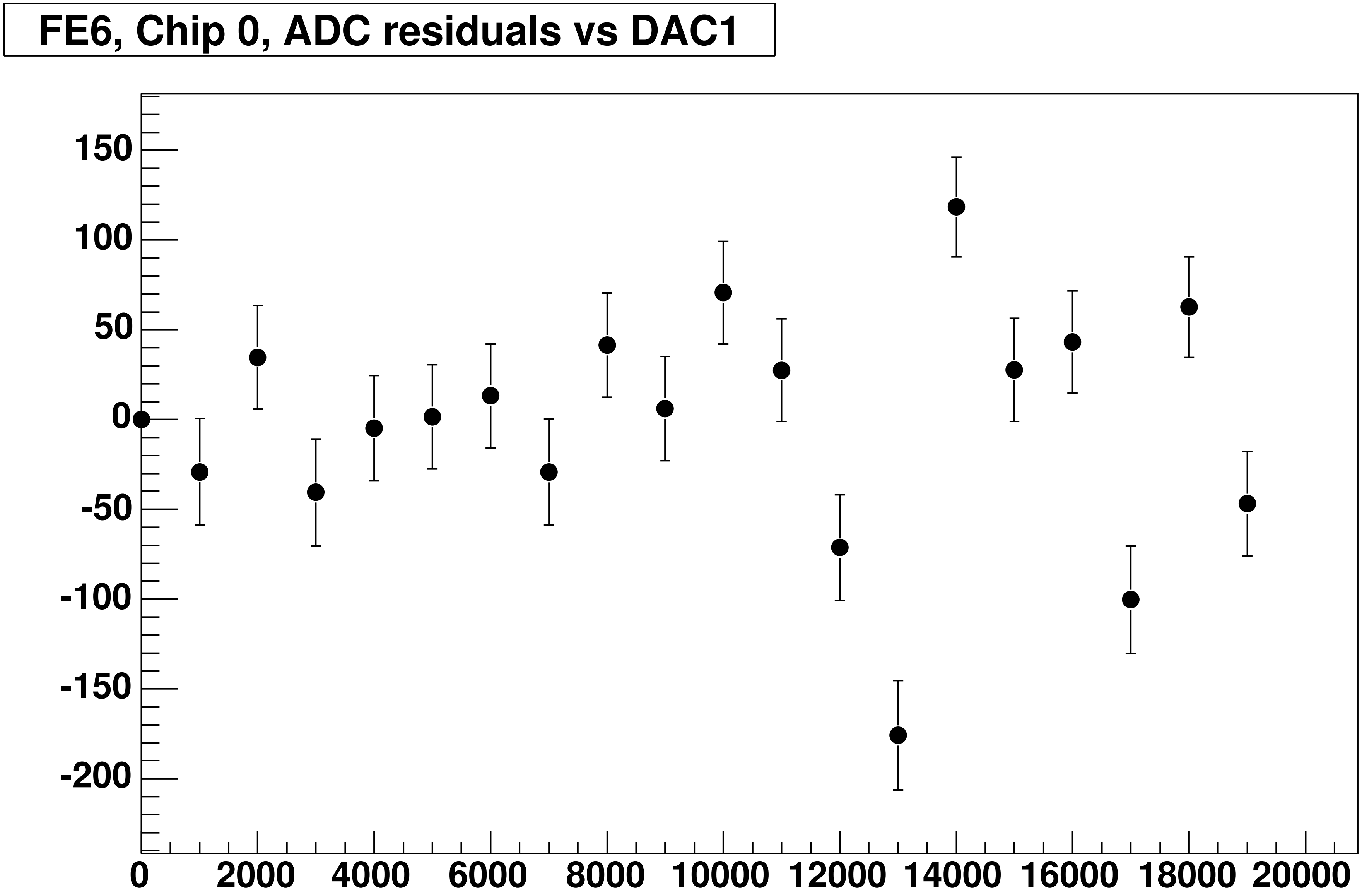

FE6, Chip 0, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

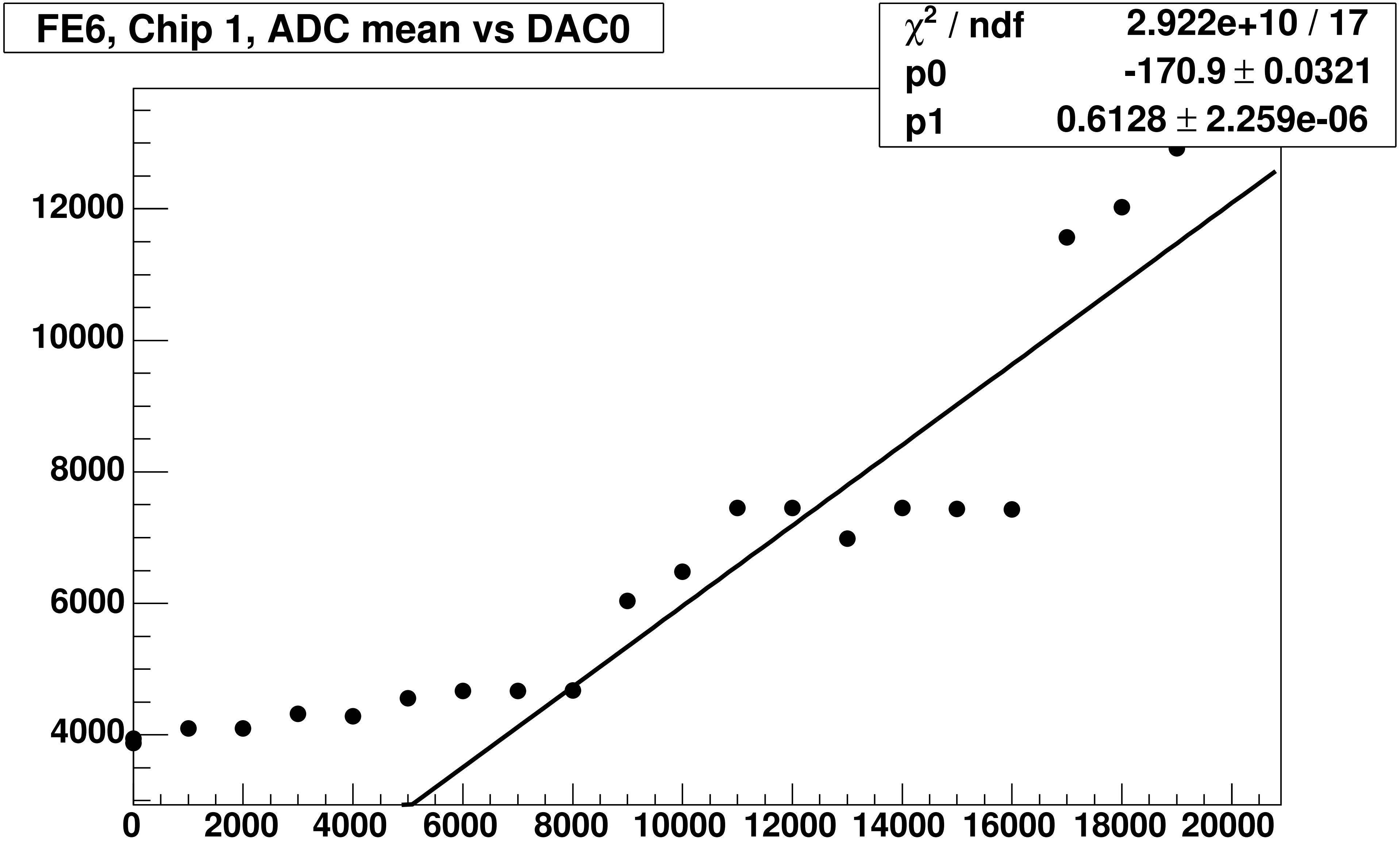

FE6, Chip 0, ADC residuals vs DAC0
5000
4000
3000
2000
1000
0
-1000
-2000
-3000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

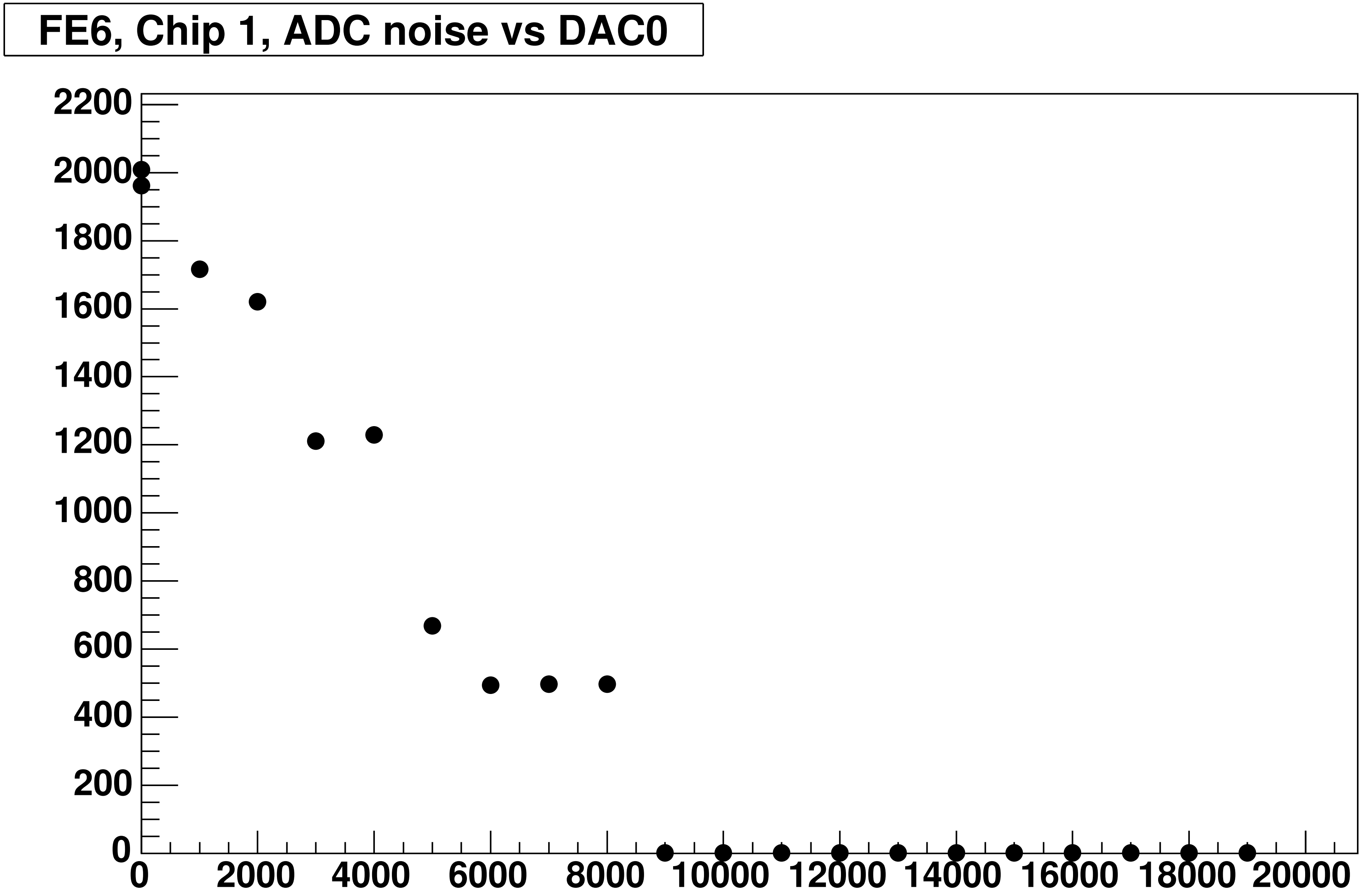


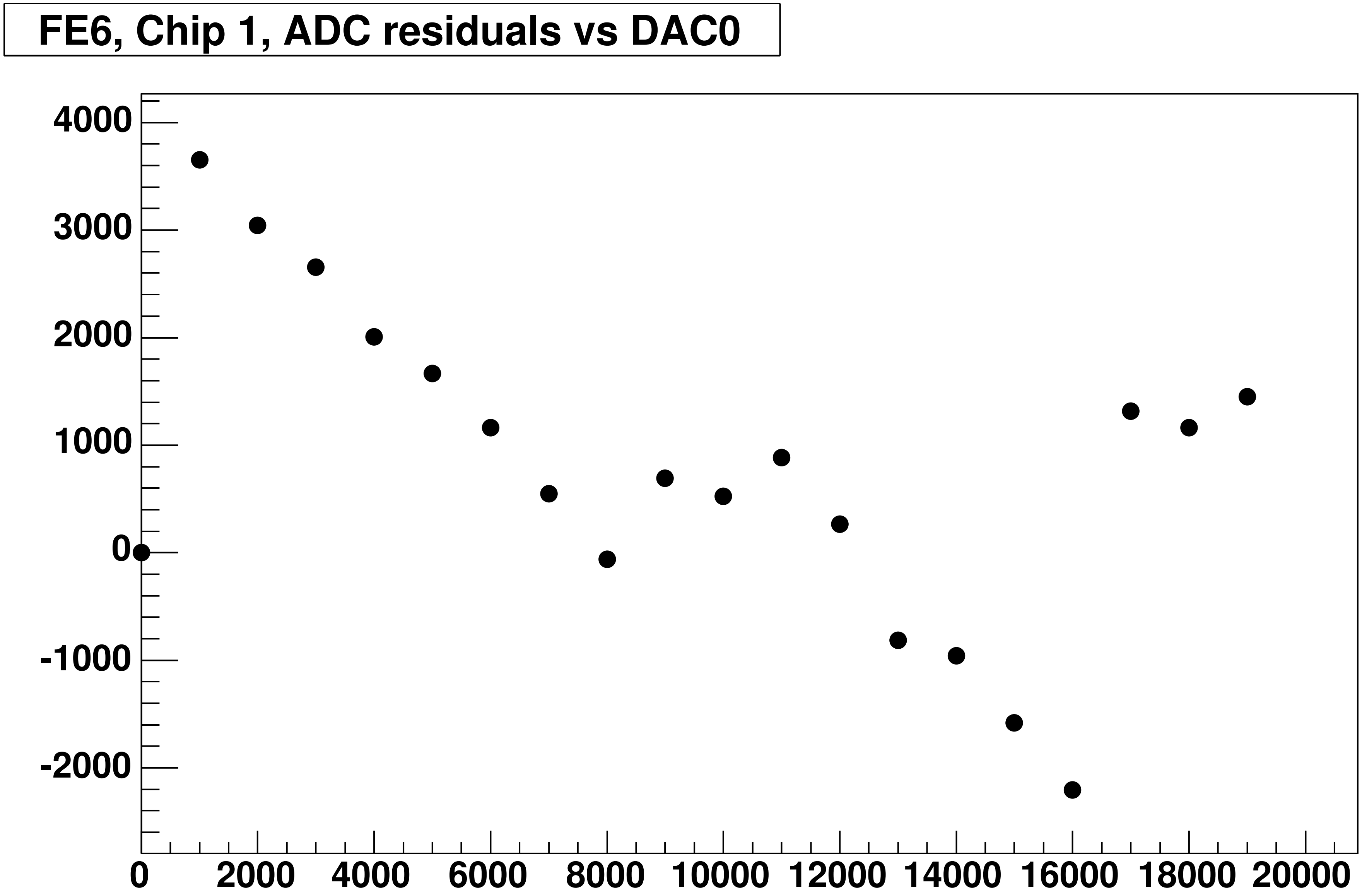
FE6, Chip 0, ADC mean vs DAC1
χ² / ndf 93.83 / 17
p0 3895 ± 13.99
p1 0.0004817 ± 0.001221
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 0, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

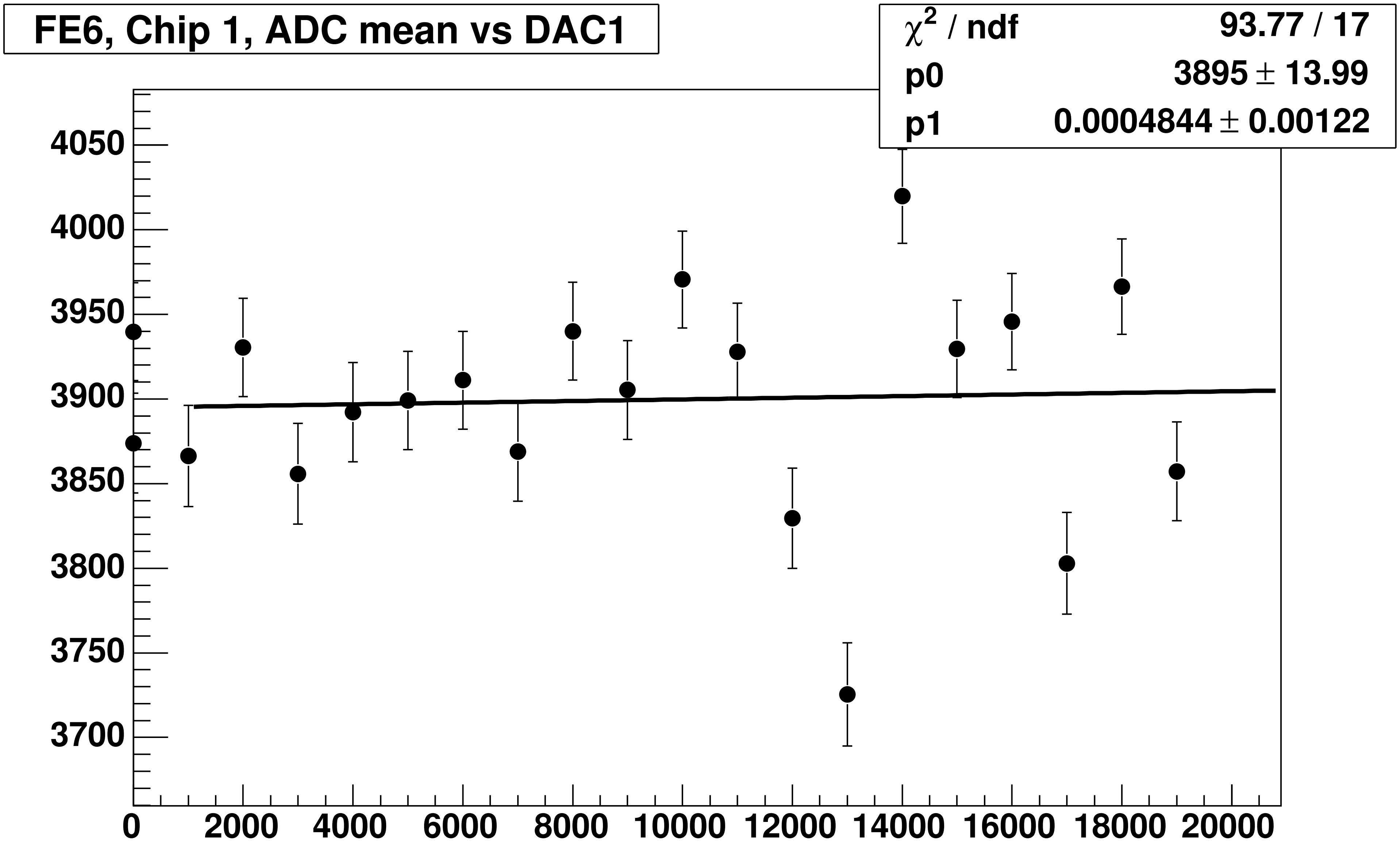

FE6, Chip 0, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 1, ADC mean vs DAC0
χ2 / ndf 2.922e+10 / 17
p0 -170.9 ± 0.0321
p1 0.6128 ± 2.259e-06
12000
10000
8000
6000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

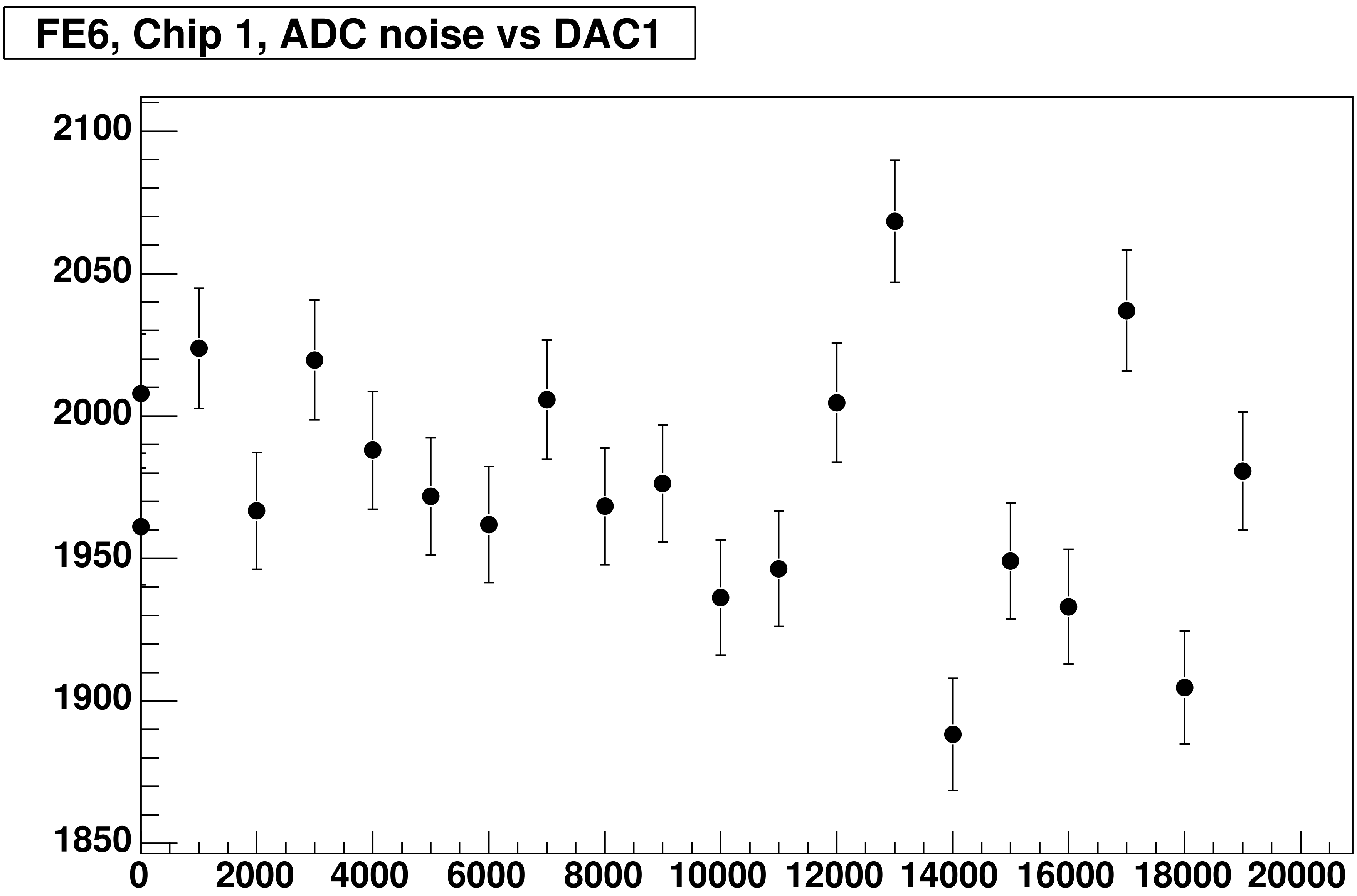

FE6, Chip 1, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

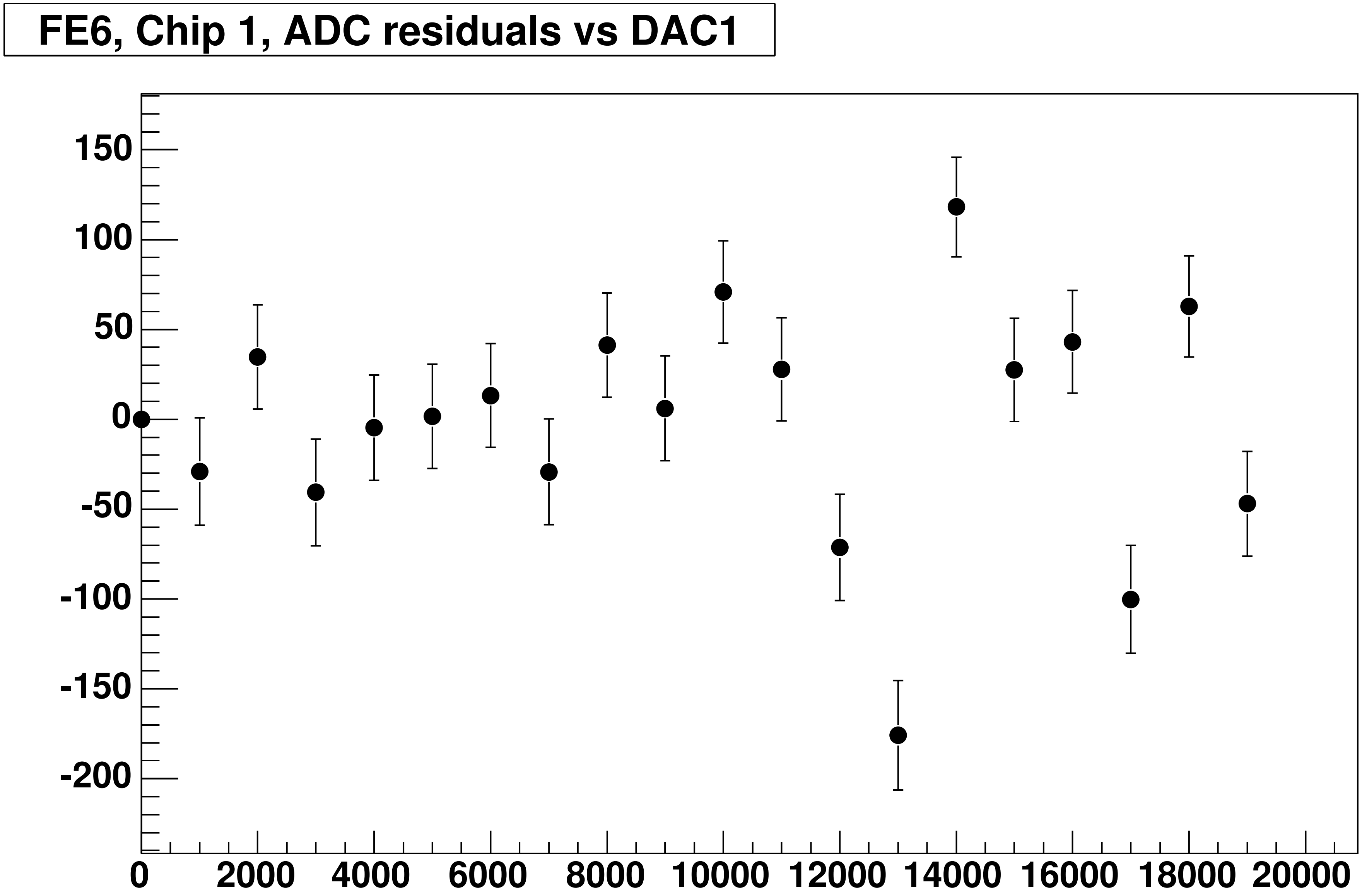


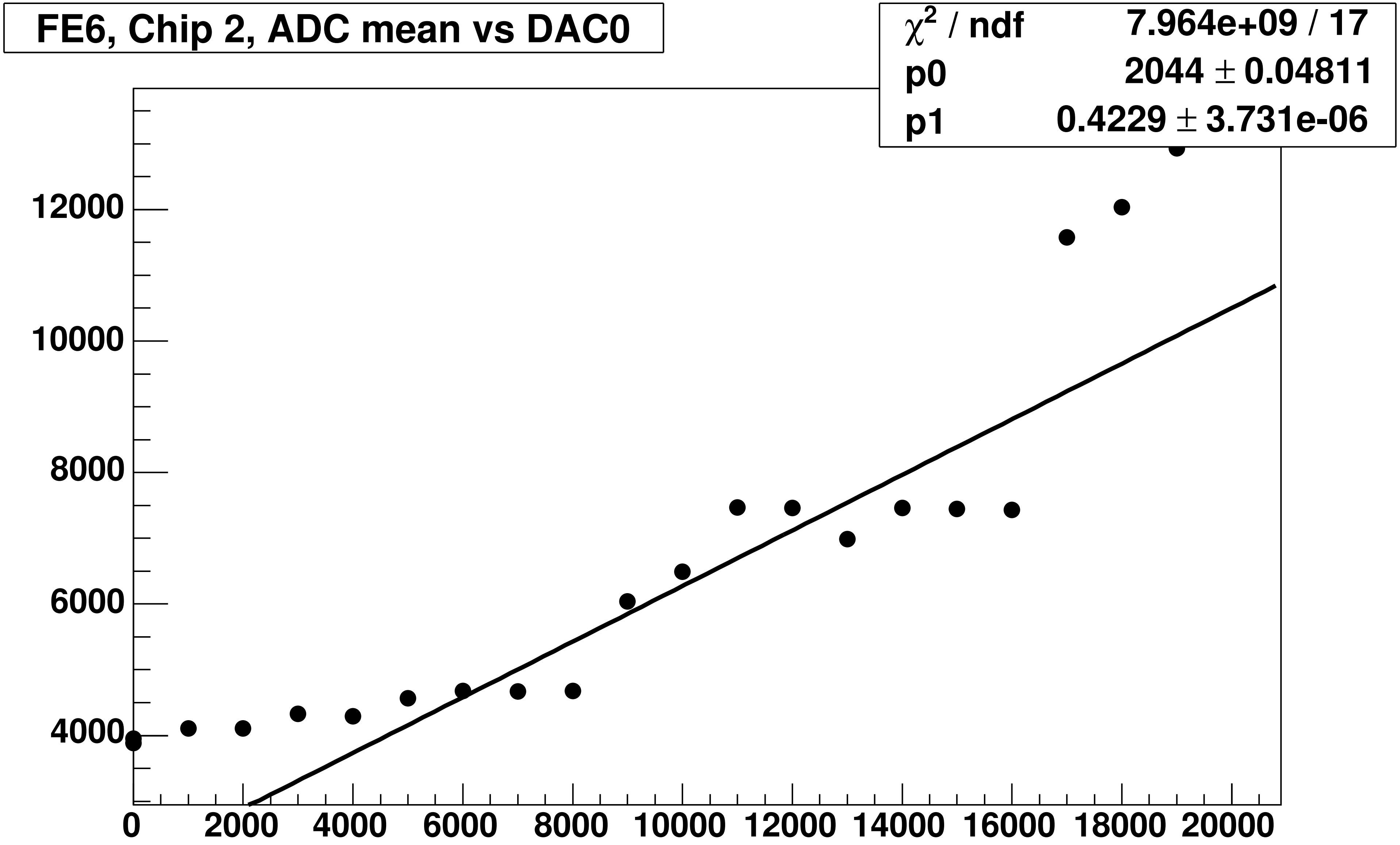
FE6, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



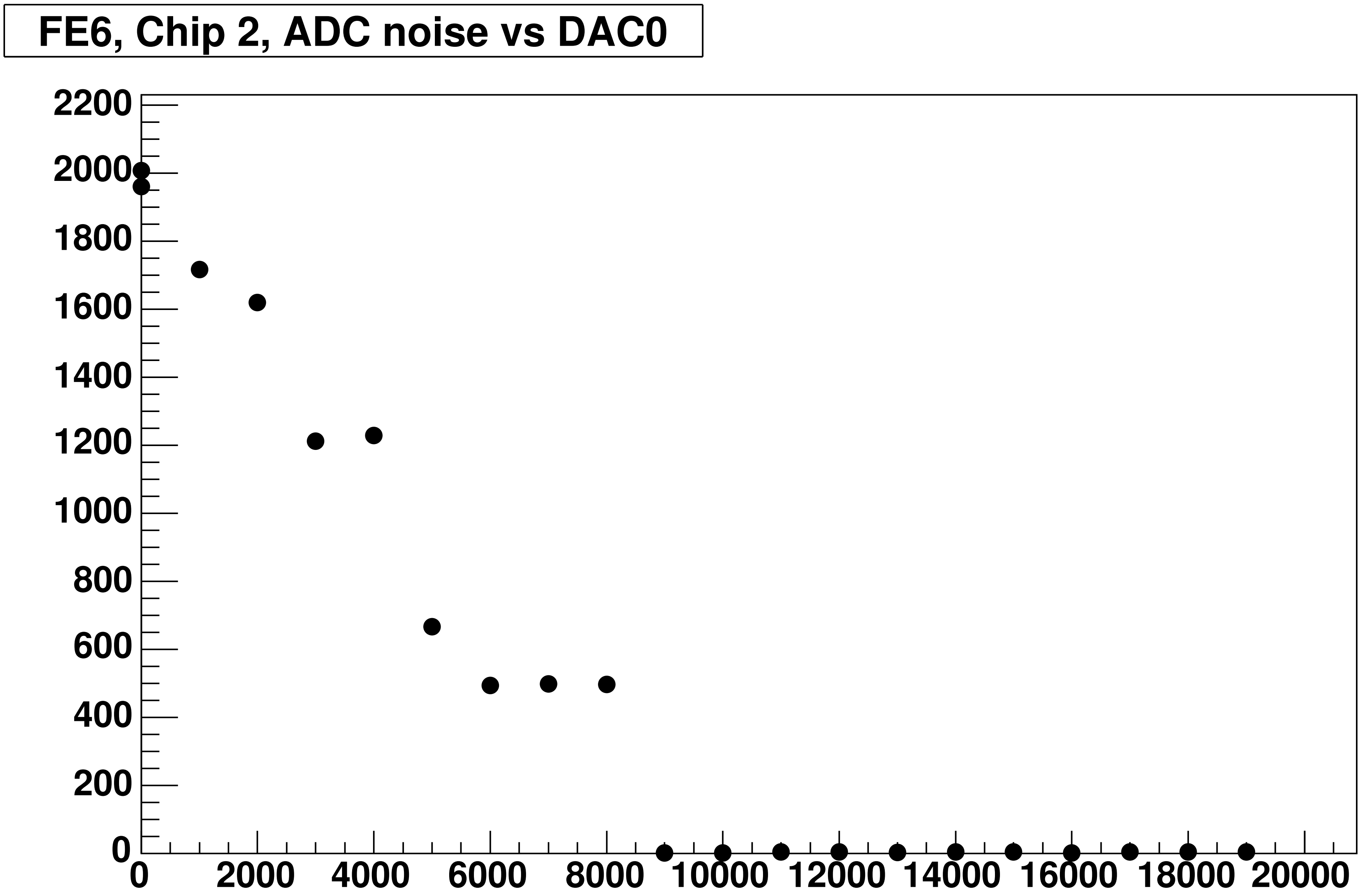
FE6, Chip 1, ADC mean vs DAC1
χ^2 / ndf 93.77 / 17
p0 3895 ± 13.99
p1 0.0004844 ± 0.00122
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 1, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

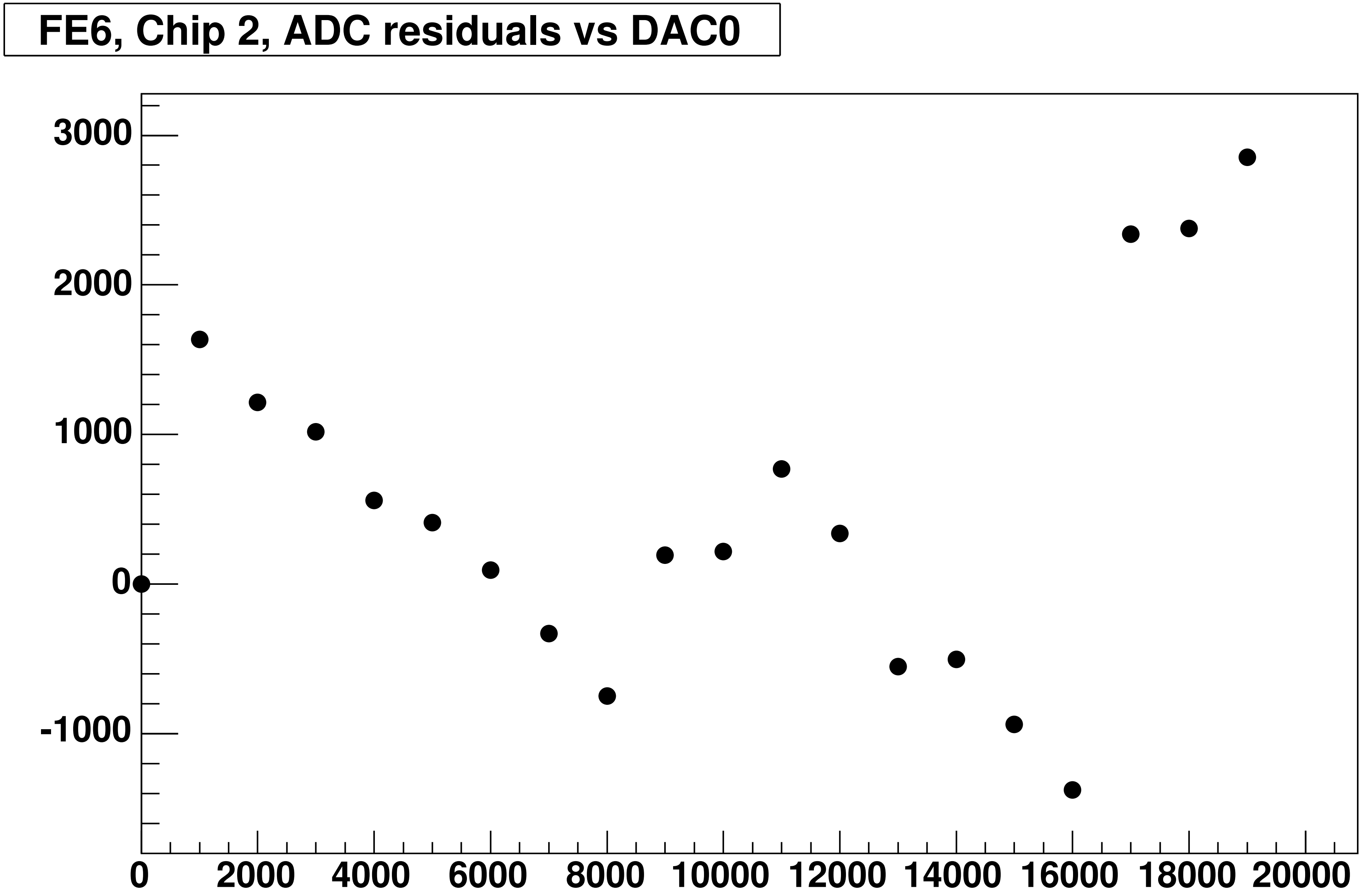

FE6, Chip 1, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

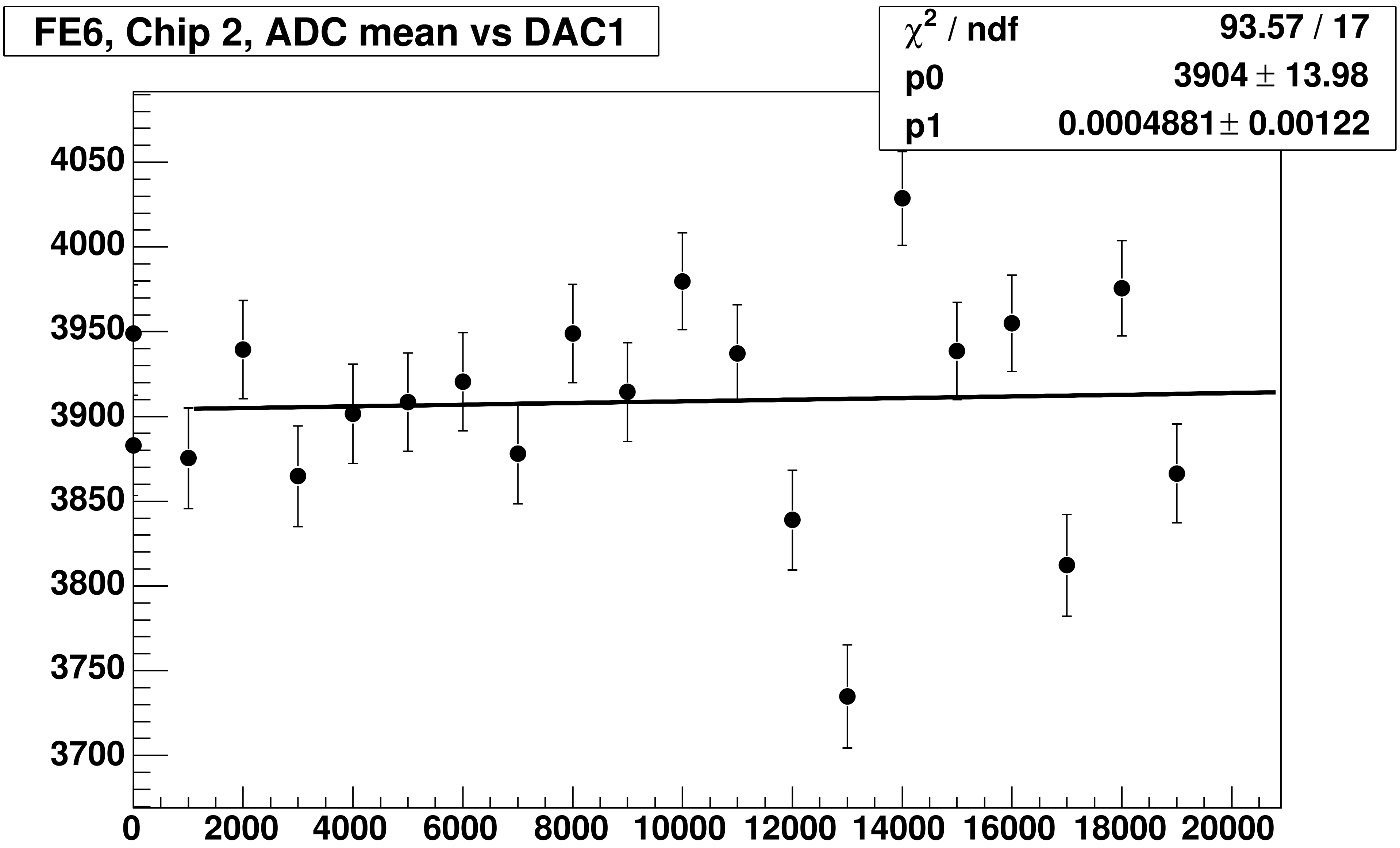


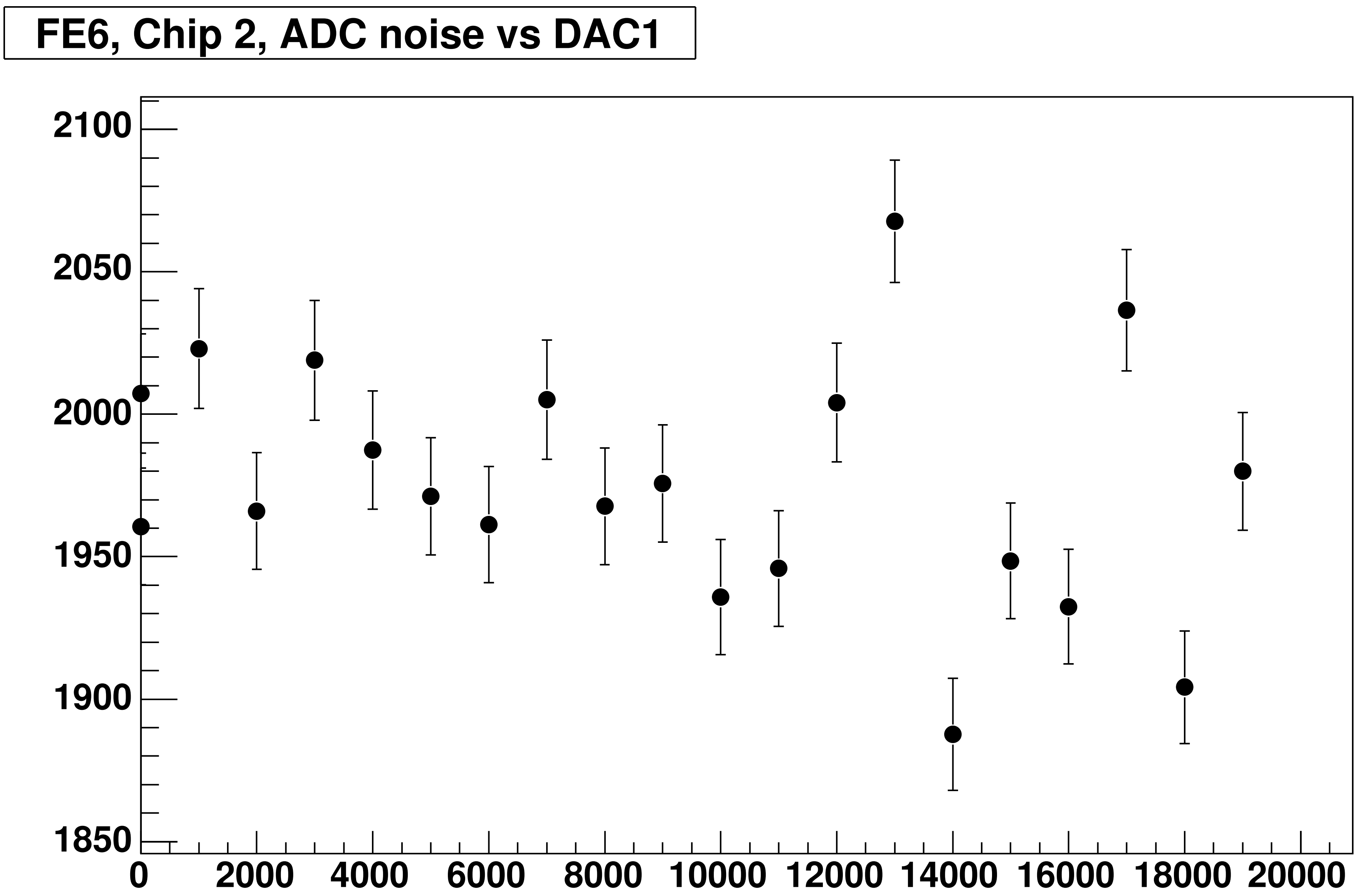
FE6, Chip 2, ADC mean vs DAC0
χ^2 / ndf 7.964e+09 / 17
p0 2044 ± 0.04811
p1 0.4229 ± 3.731e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



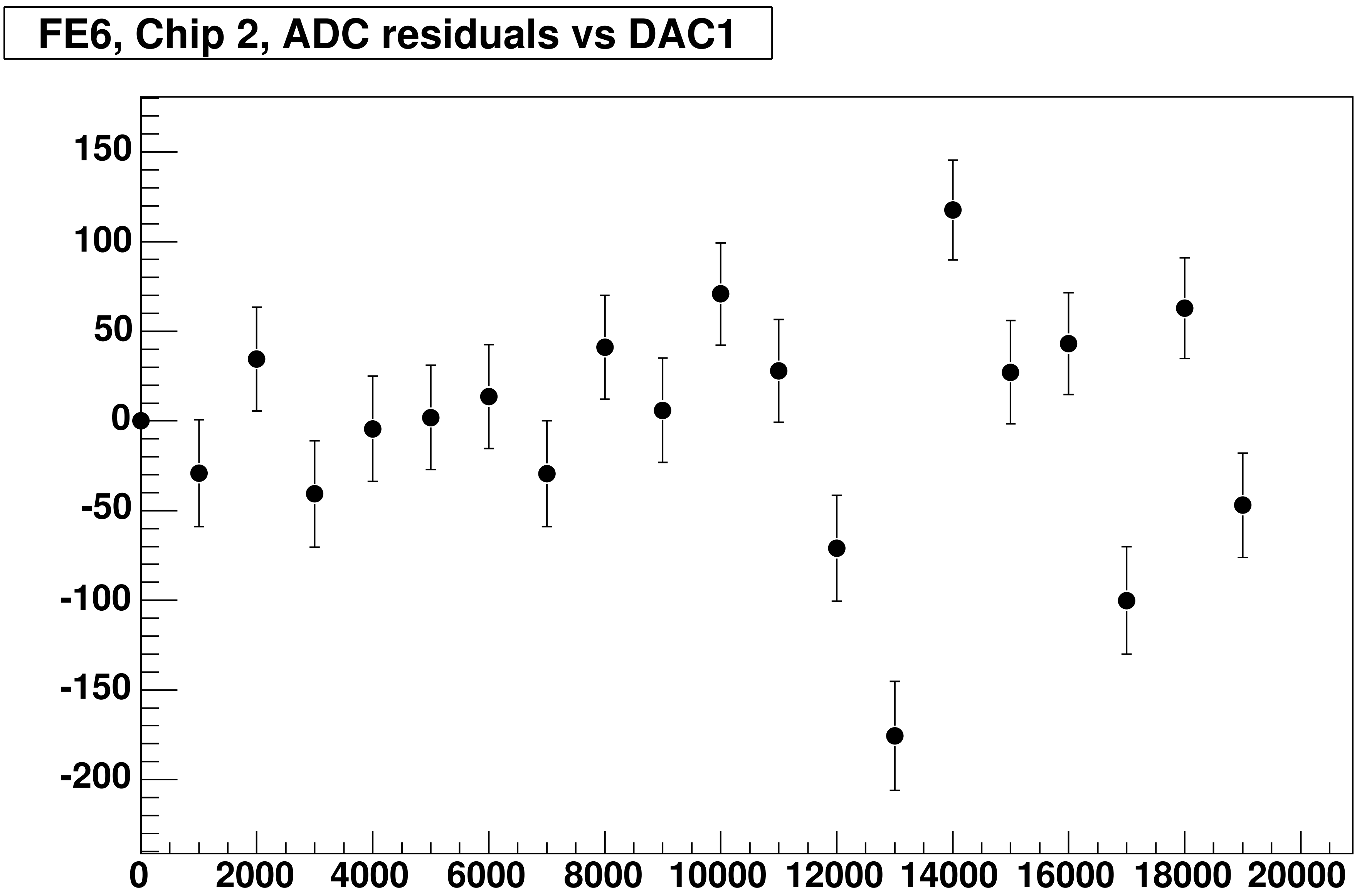
FE6, Chip 2, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 2, ADC residuals vs DAC0
3000
2000
1000
0
-1000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

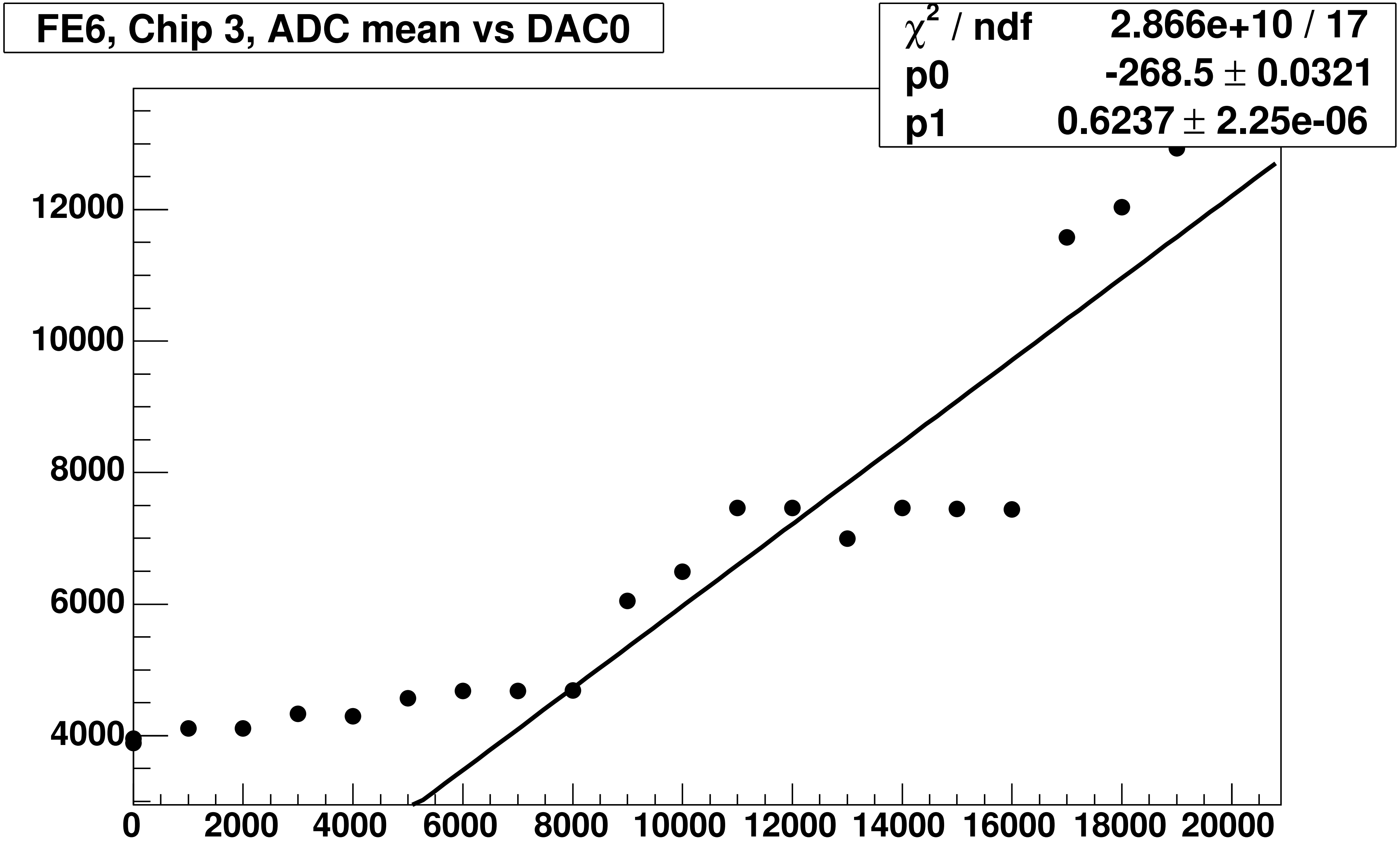

FE6, Chip 2, ADC mean vs DAC1
χ^2 / ndf 93.57 / 17
p0 3904 ± 13.98
p1 0.0004881 ± 0.00122
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

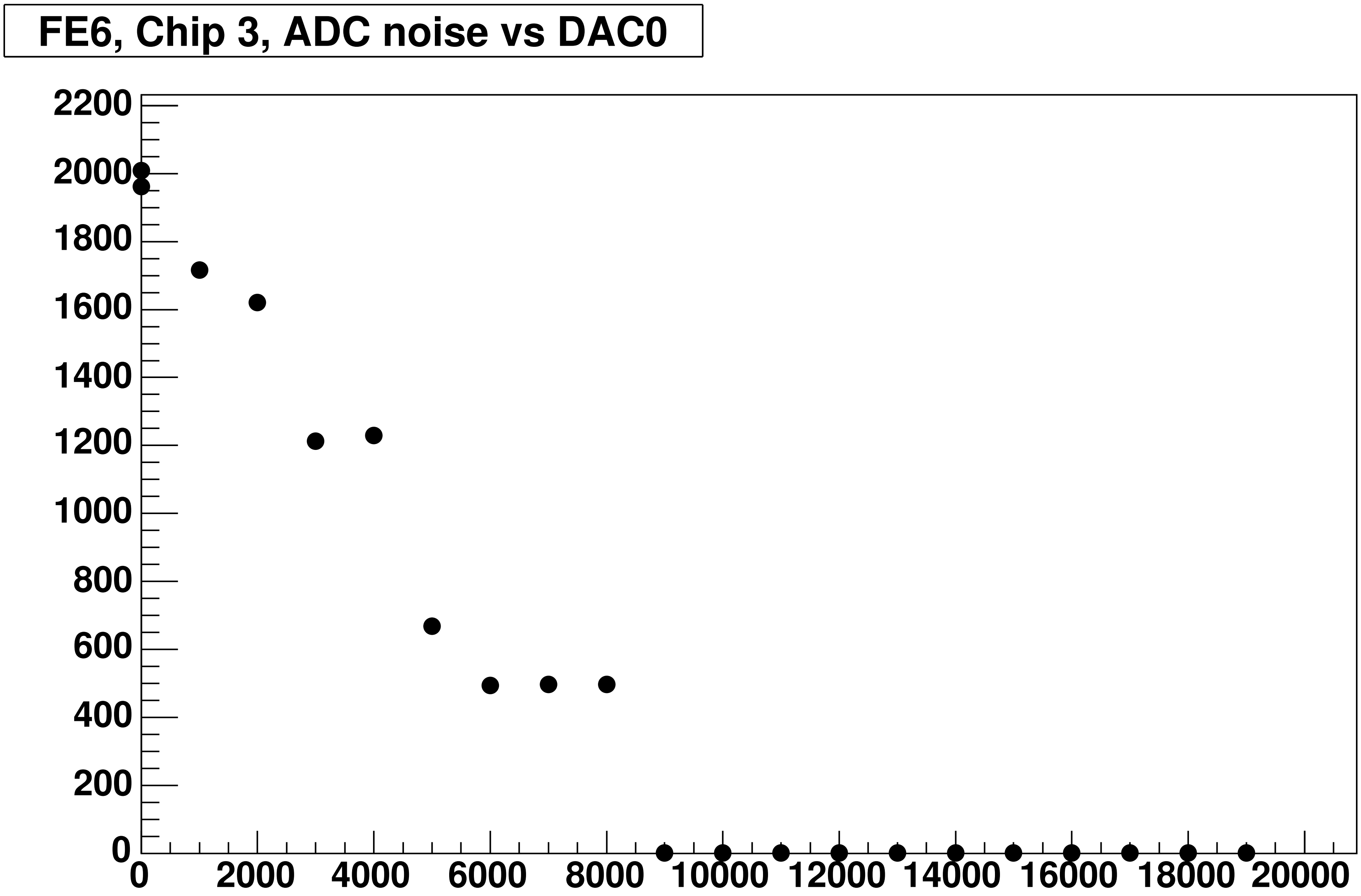


FE6, Chip 2, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

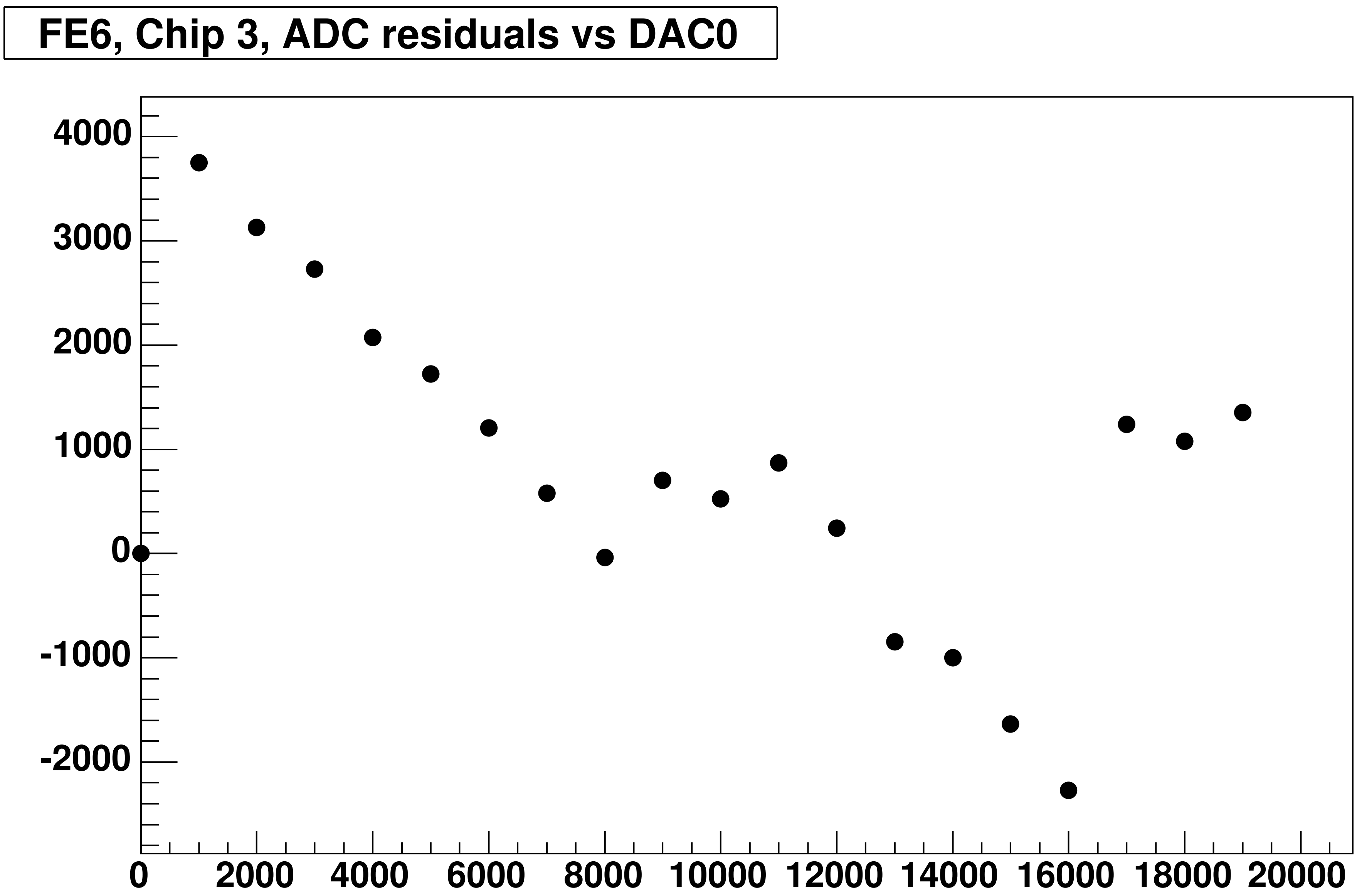


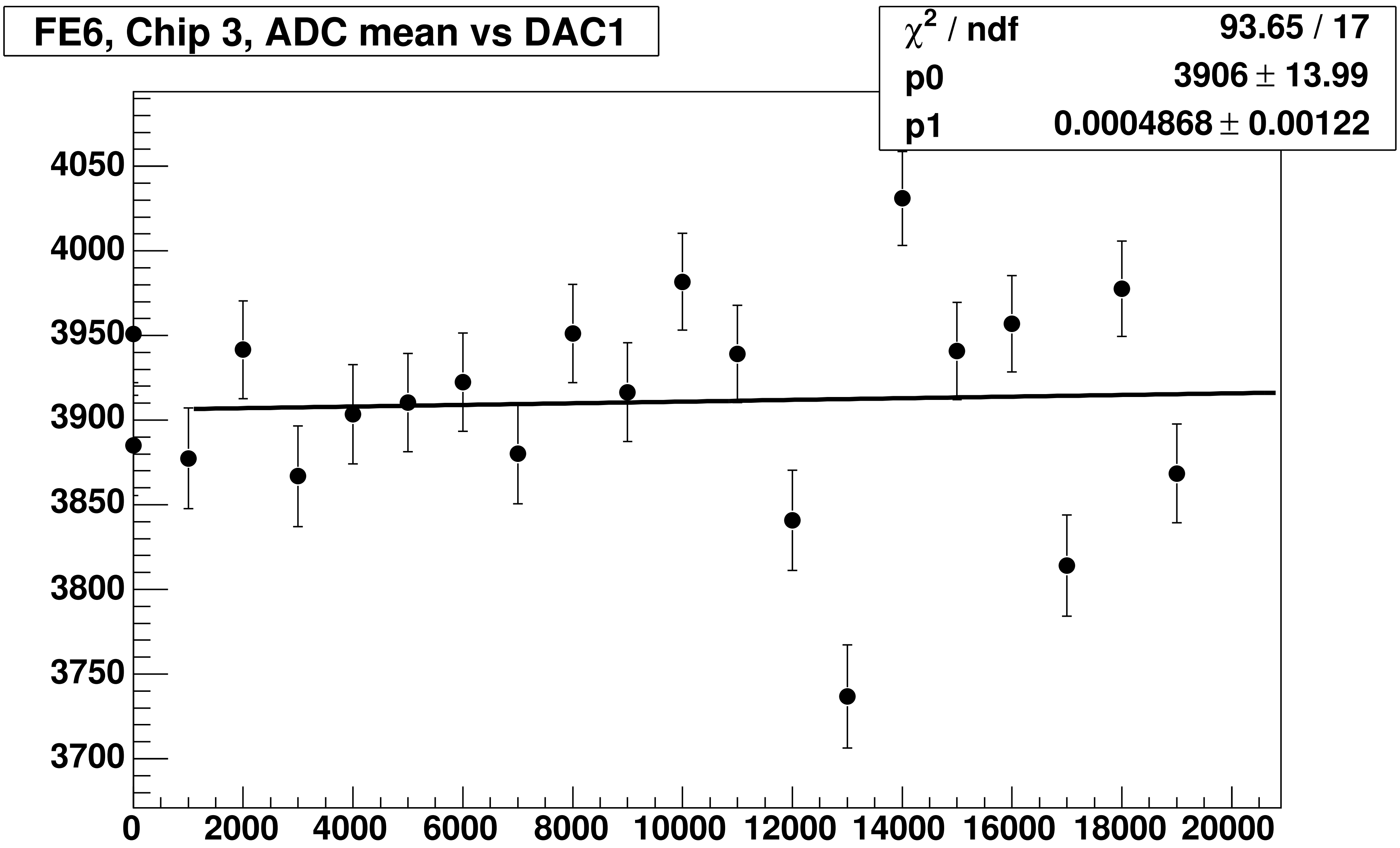
FE6, Chip 2, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

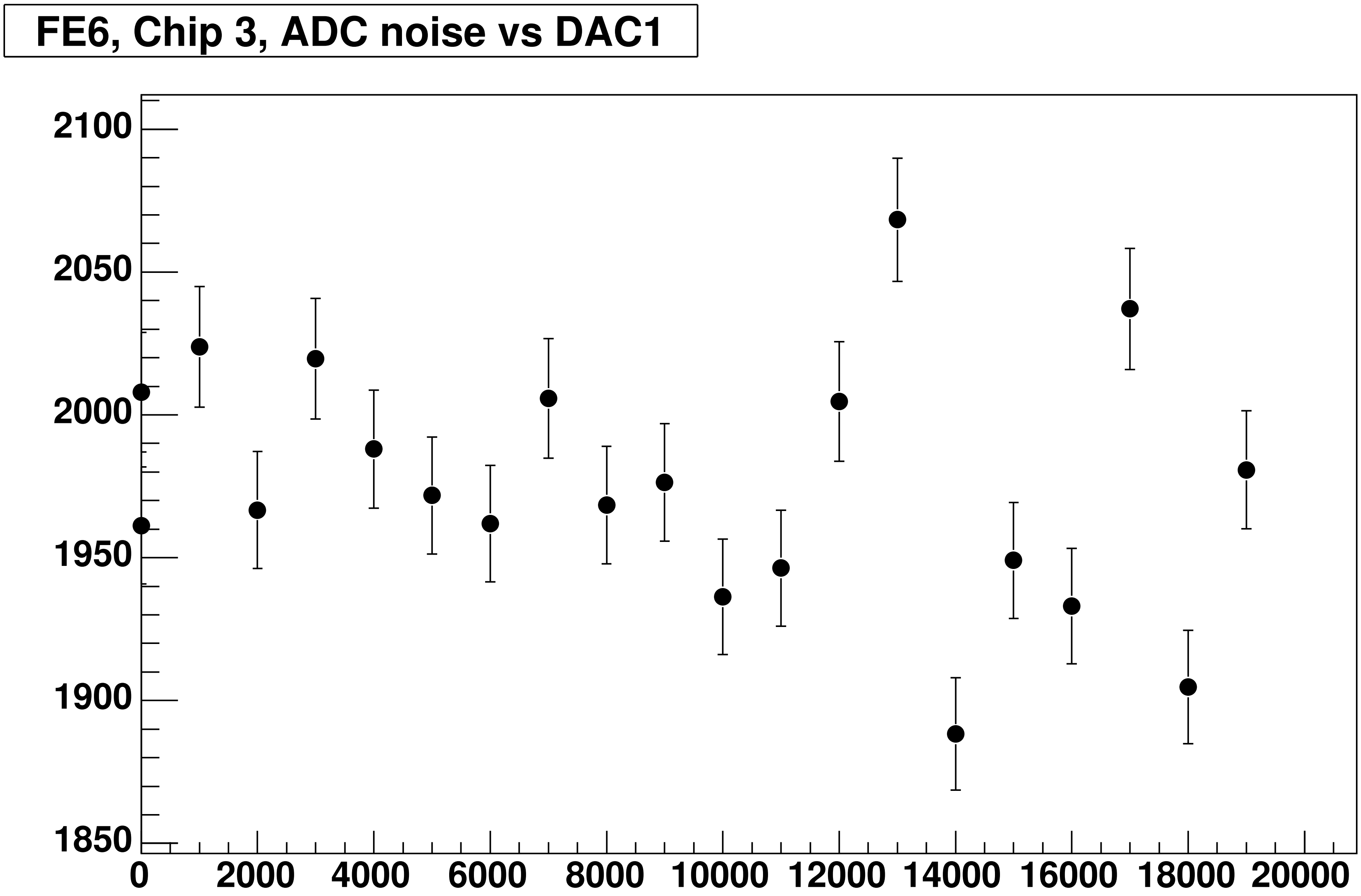

FE6, Chip 3, ADC mean vs DAC0
χ^2 / ndf 2.866e+10 / 17
p0 -268.5 ± 0.0321
p1 0.6237 ± 2.25e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

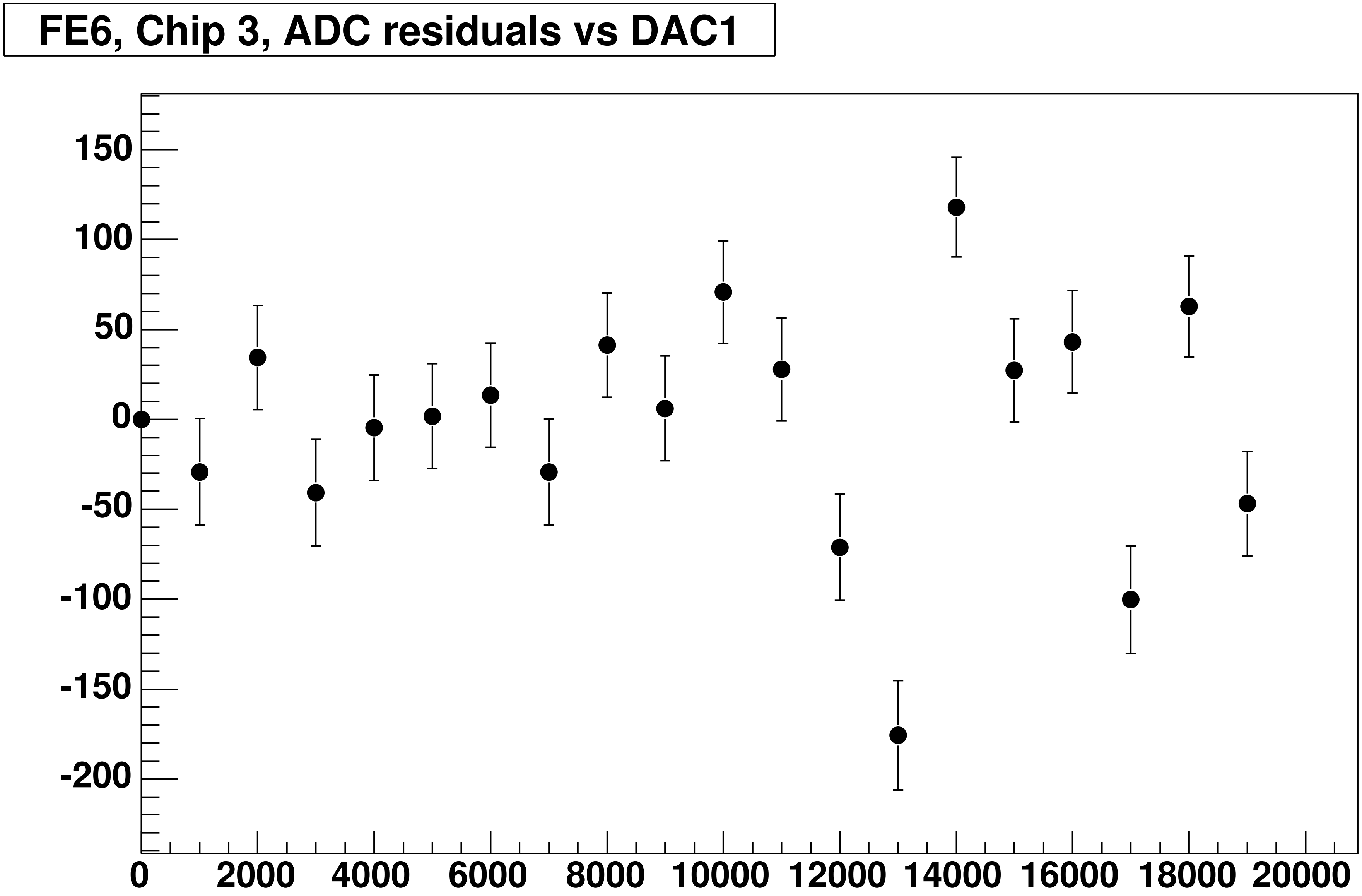


FE6, Chip 3, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

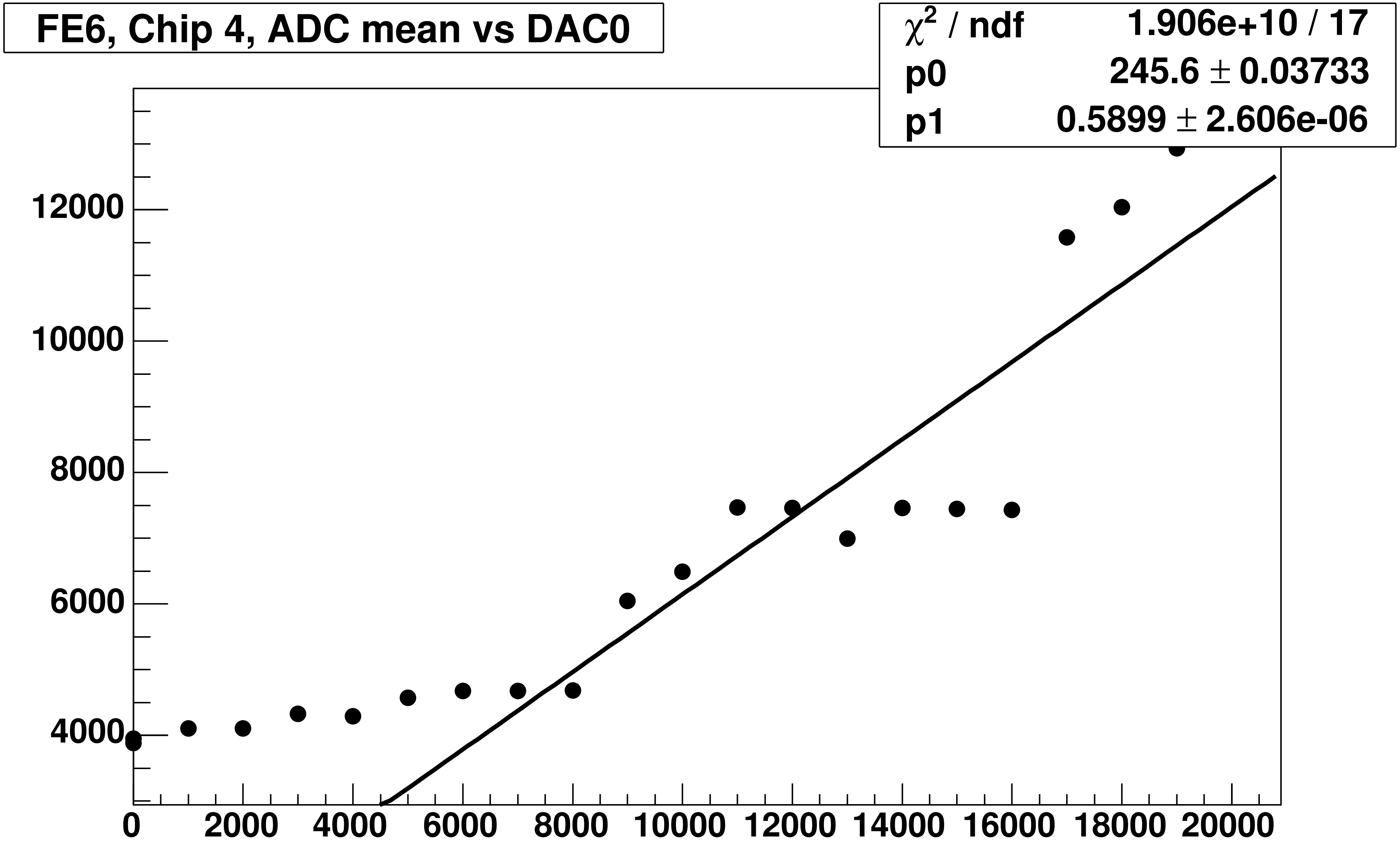

FE6, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

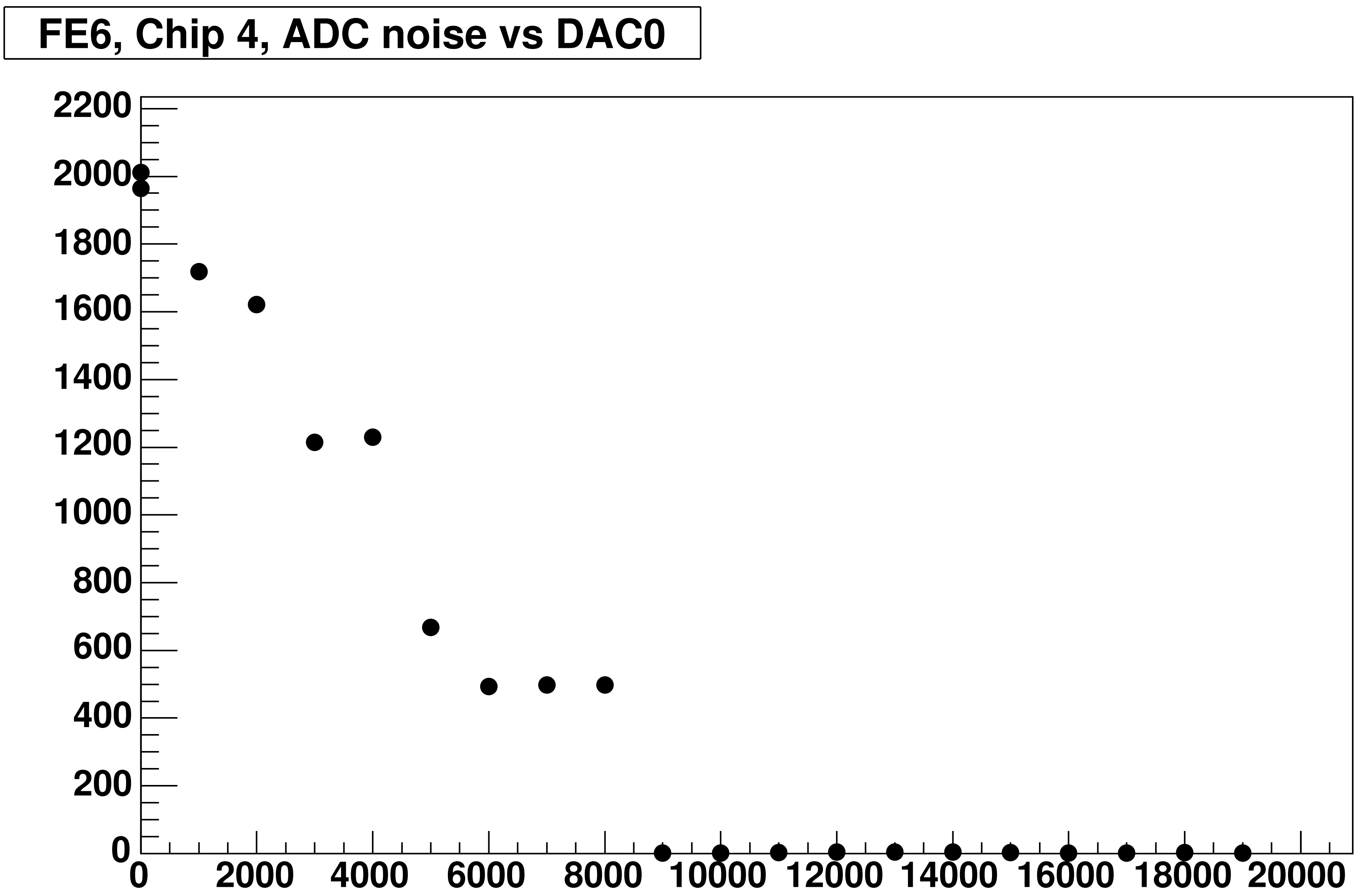

FE6, Chip 3, ADC mean vs DAC1
χ^2 / ndf 93.65 / 17
p0 3906 ± 13.99
p1 0.0004868 ± 0.00122
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

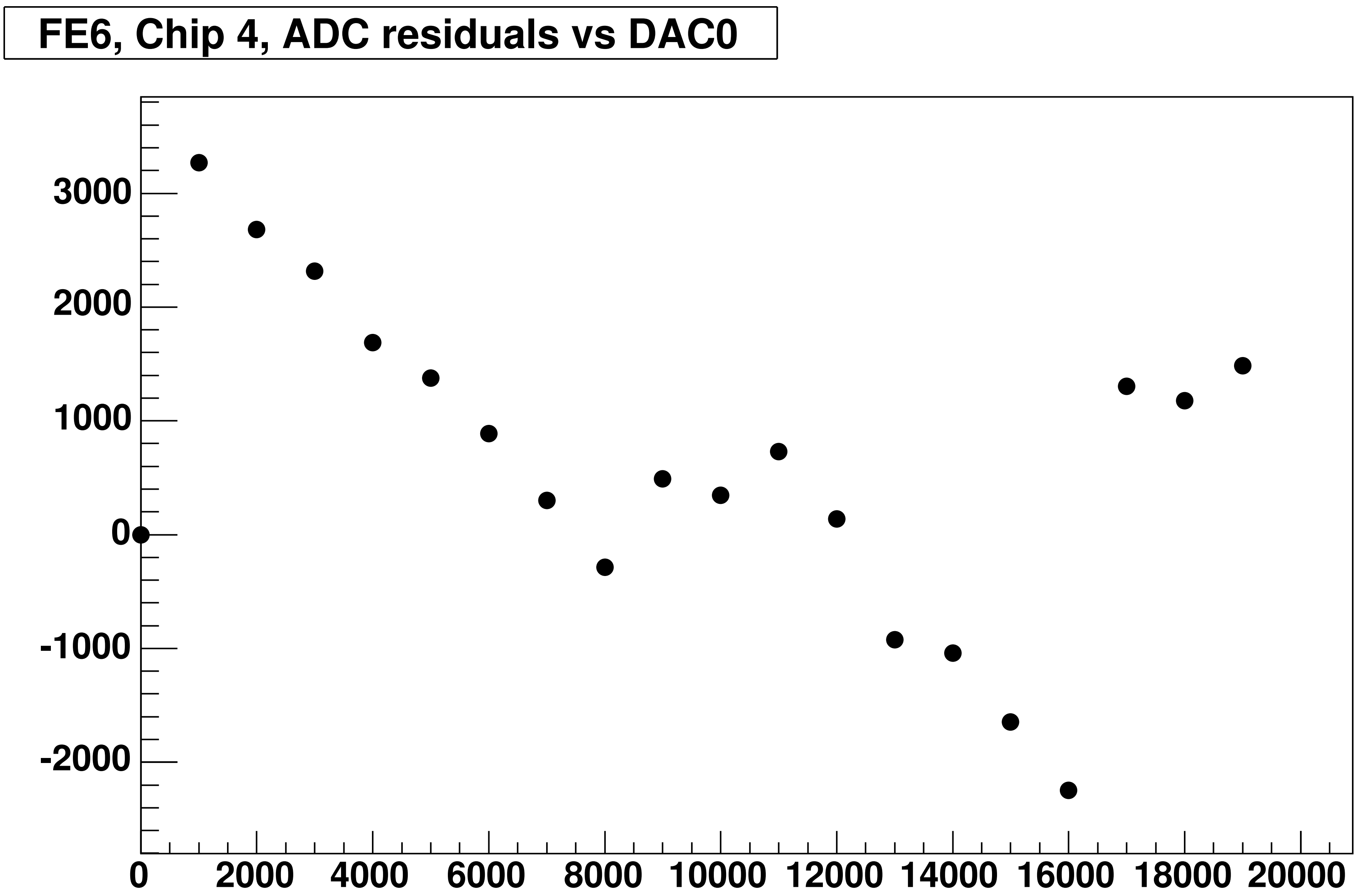

FE6, Chip 3, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

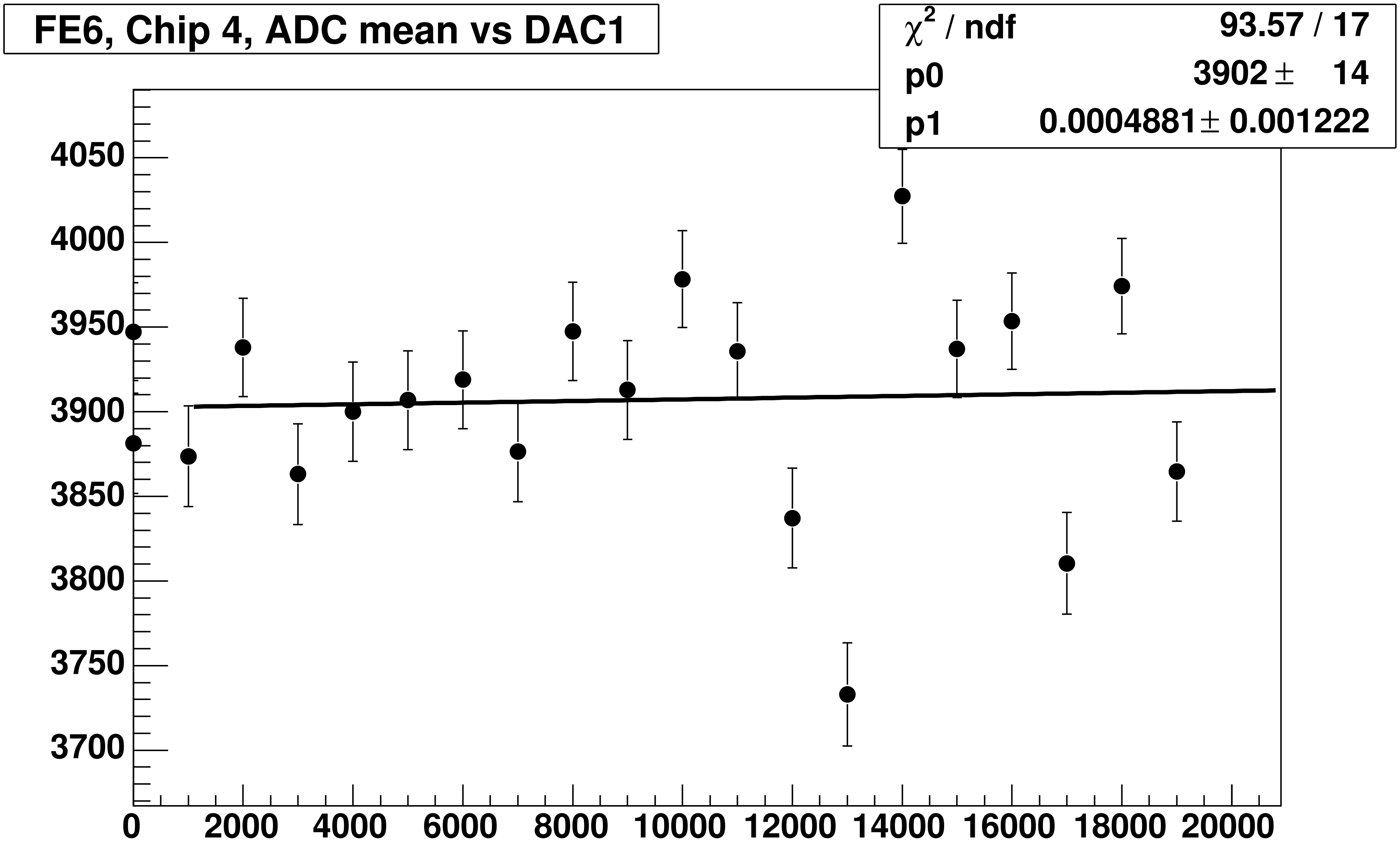


FE6, Chip 3, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

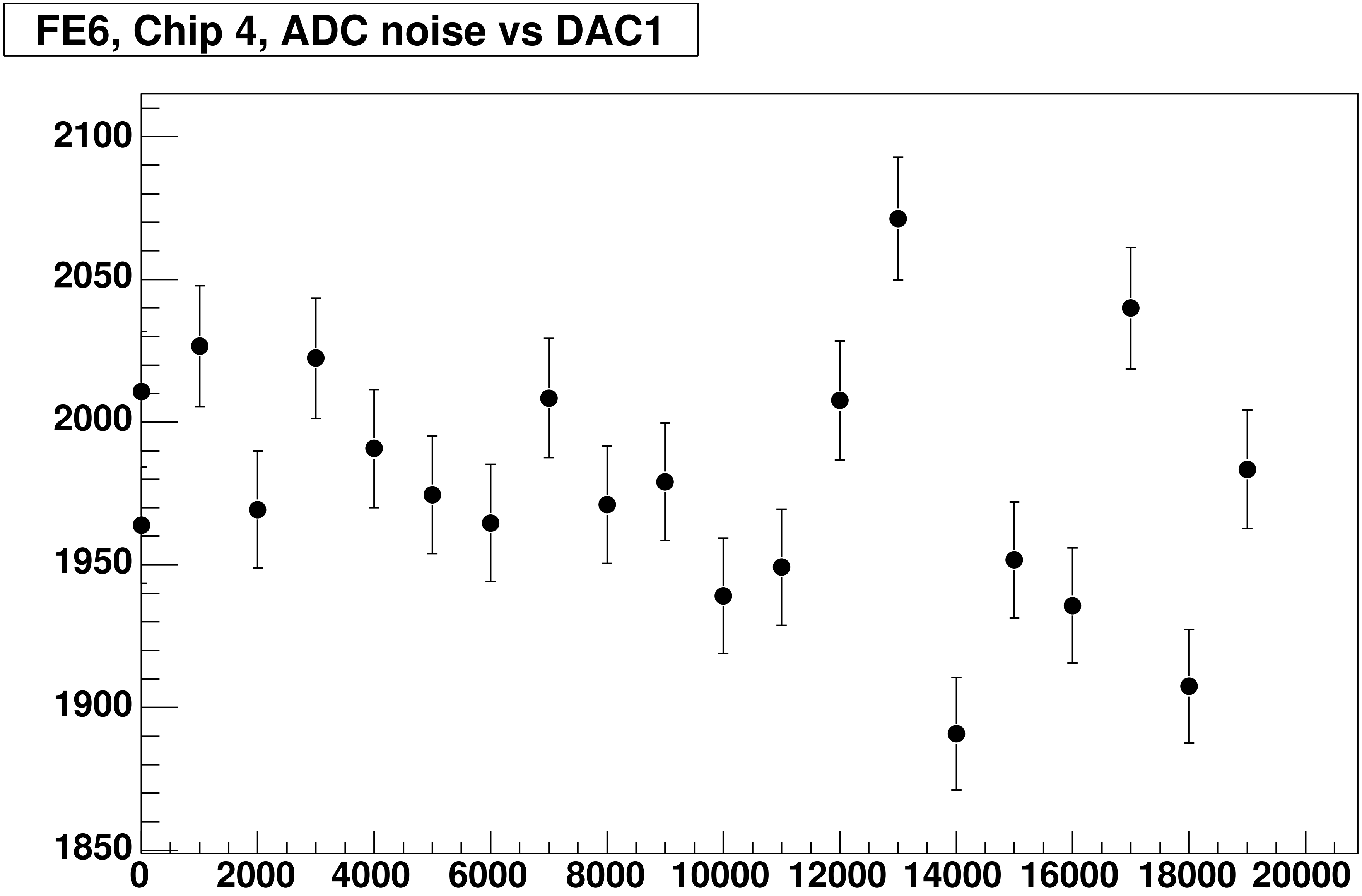

FE6, Chip 4, ADC mean vs DAC0
χ^2 / ndf 1.906e+10 / 17
p0 245.6 ± 0.03733
p1 0.5899 ± 2.606e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 4, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

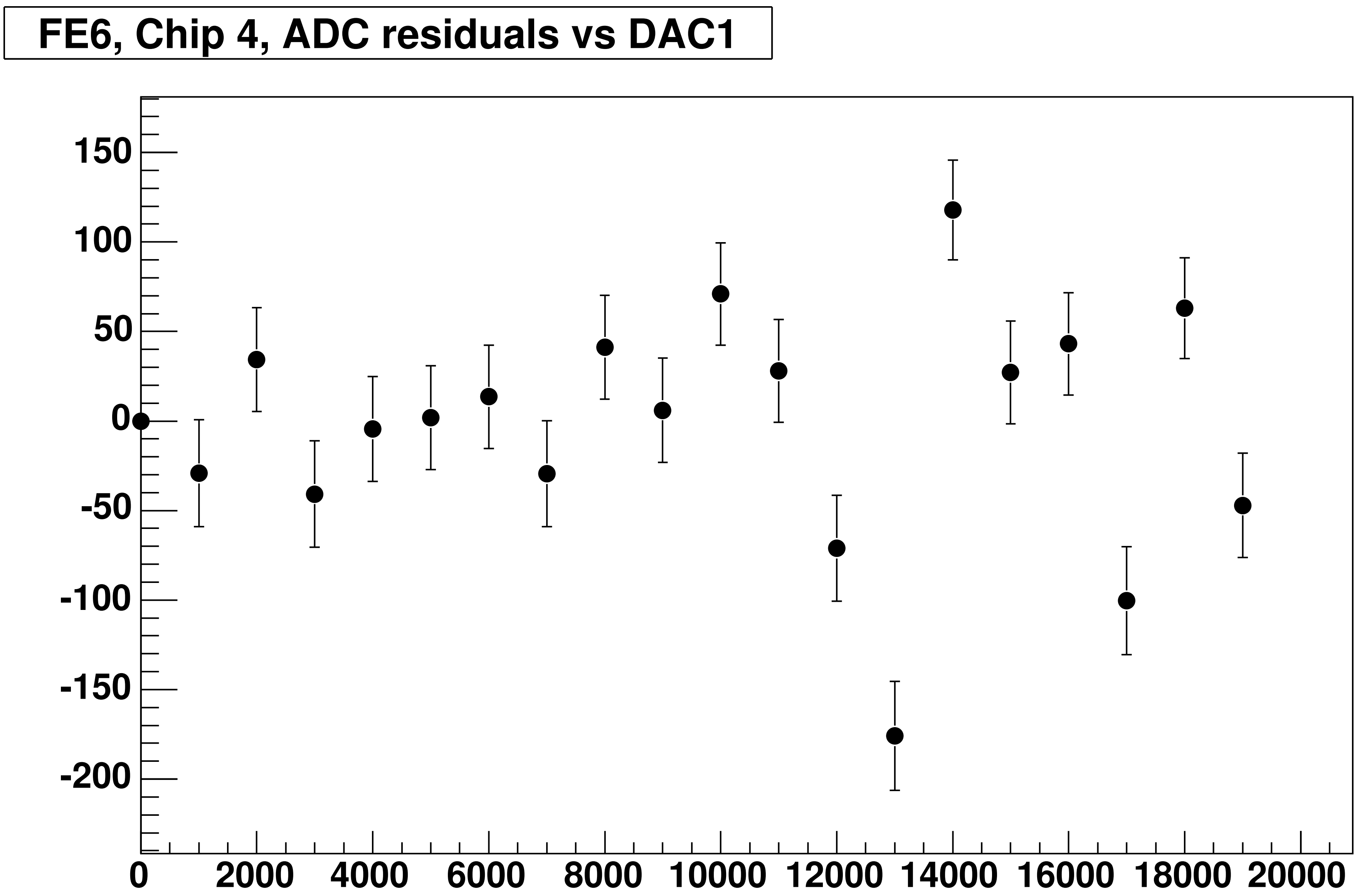

FE6, Chip 4, ADC residuals vs DAC0
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

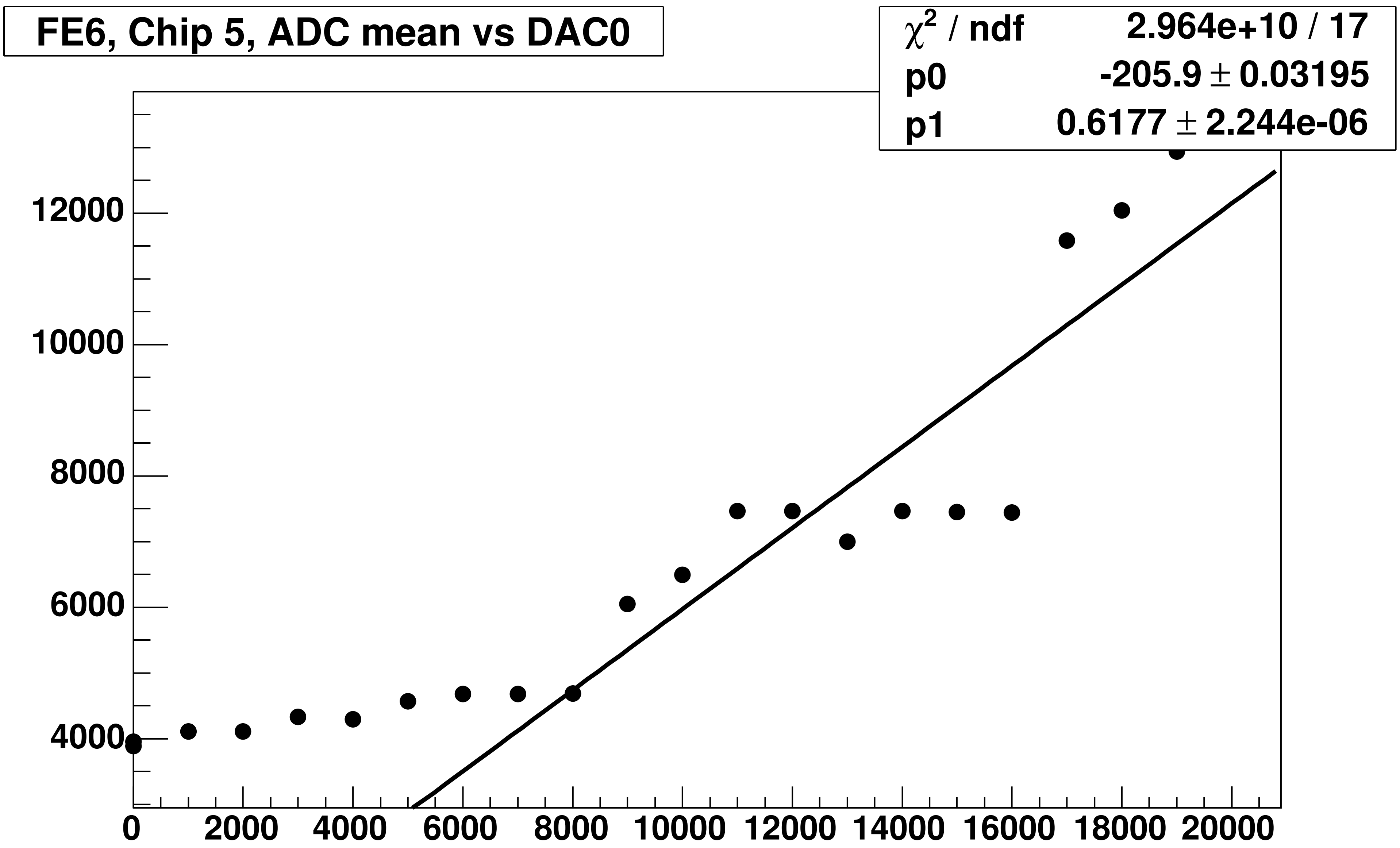


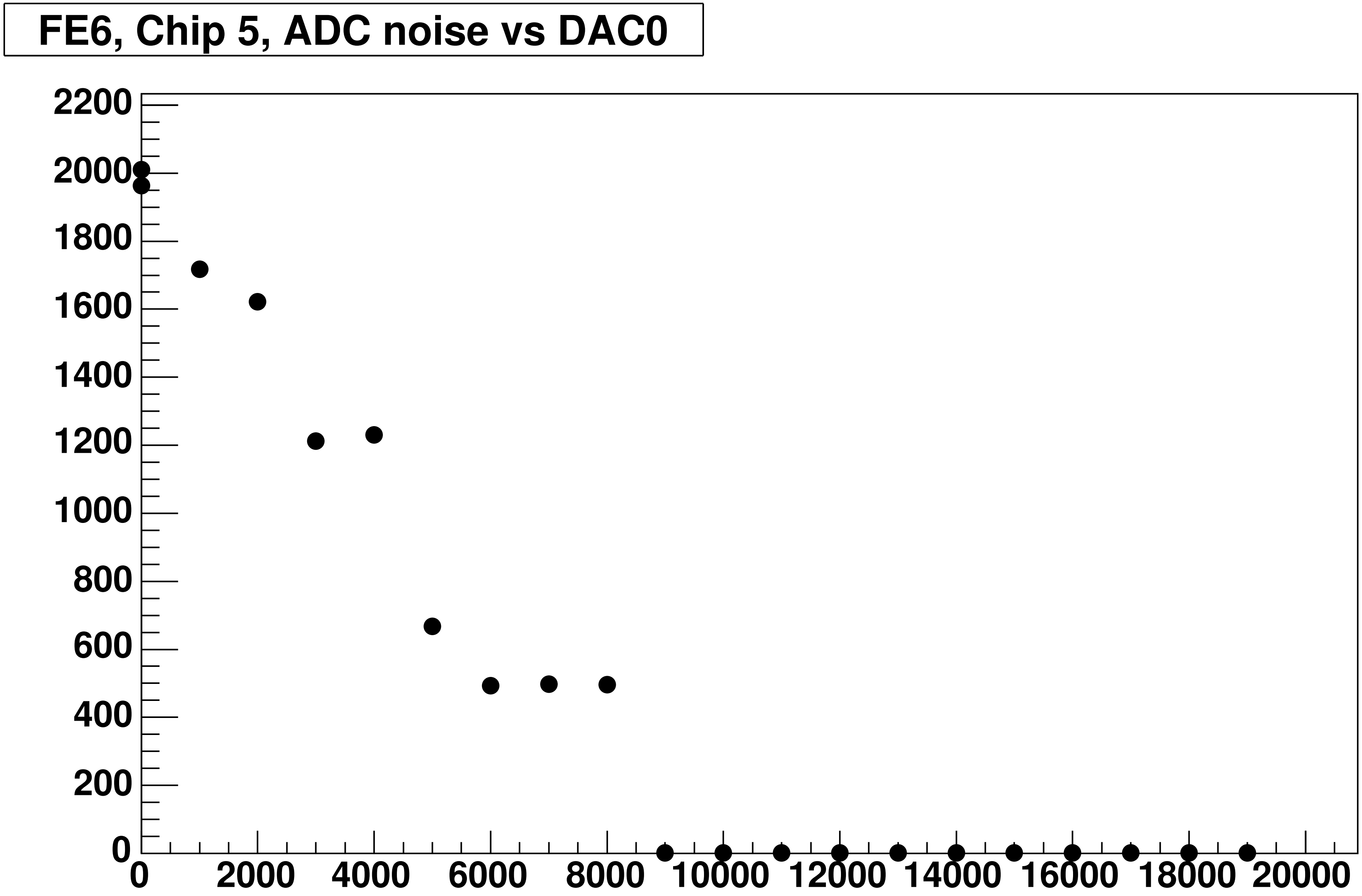
FE6, Chip 4, ADC mean vs DAC1
χ^2 / ndf 93.57 / 17
p0 3902 ± 14
p1 0.0004881 ± 0.001222
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

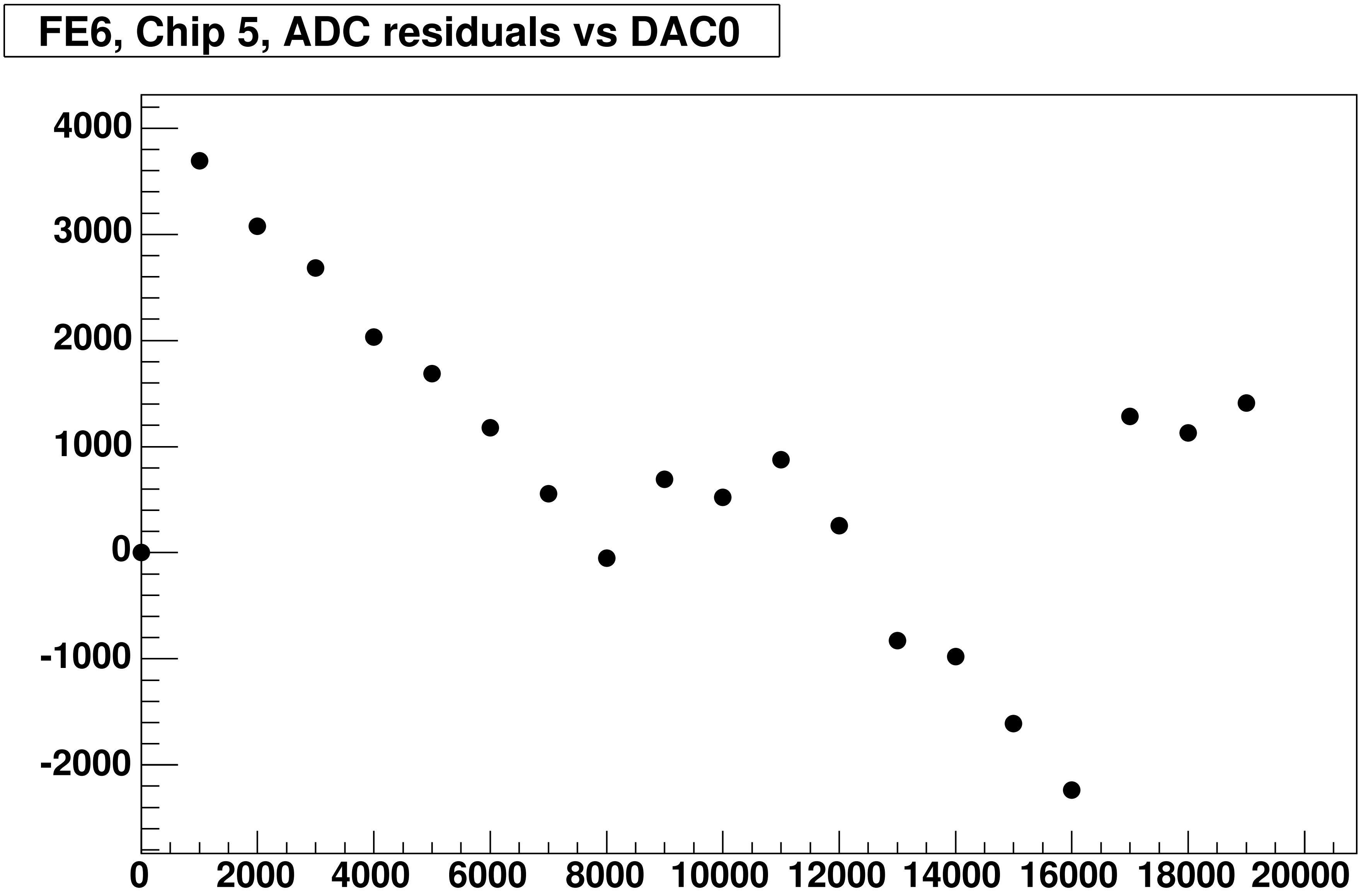


FE6, Chip 4, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

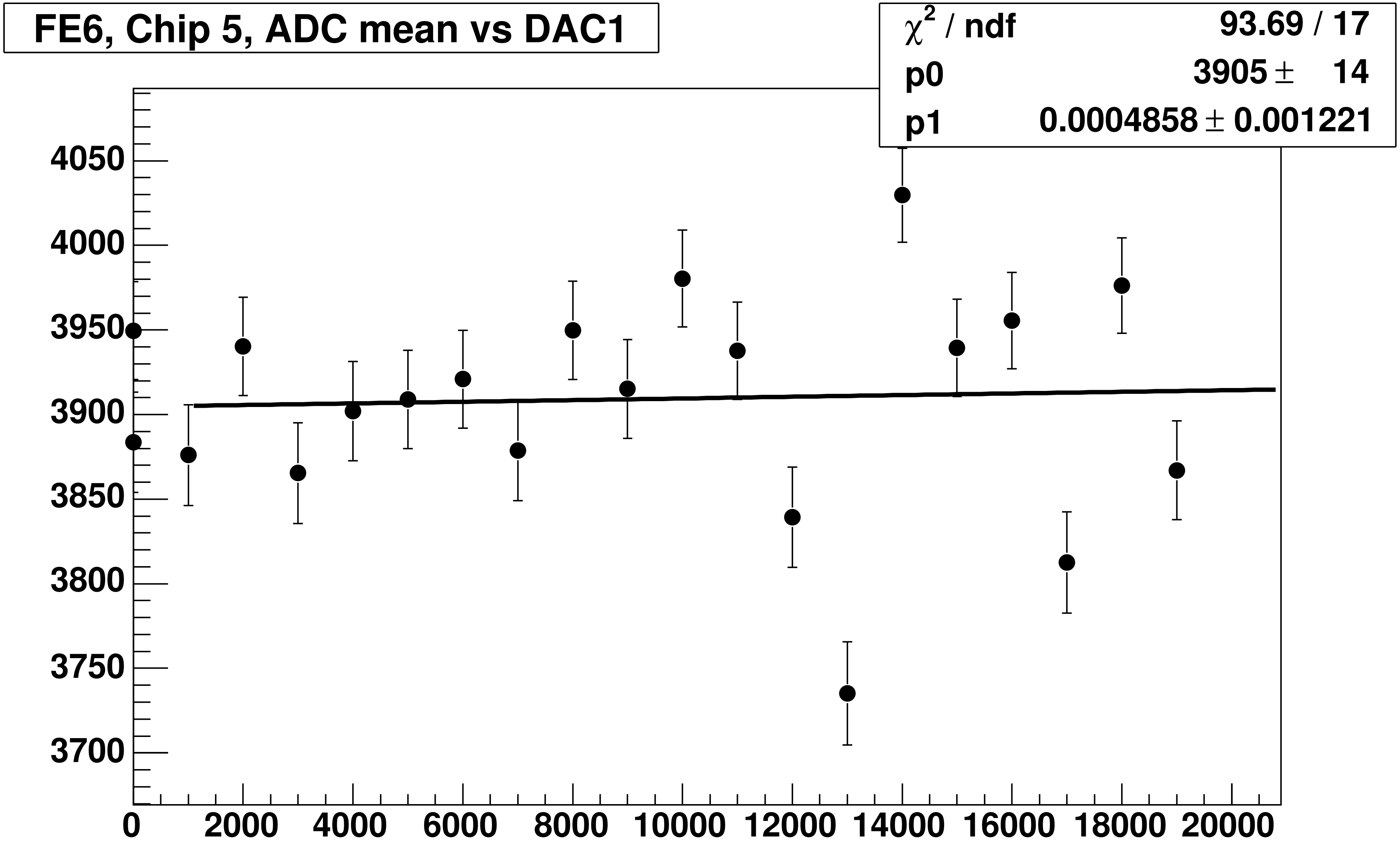

FE6, Chip 4, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 5, ADC mean vs DAC0
χ^2 / ndf 2.964e+10 / 17
p0 -205.9 ± 0.03195
p1 0.6177 ± 2.244e-06
4000
6000
8000
10000
12000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

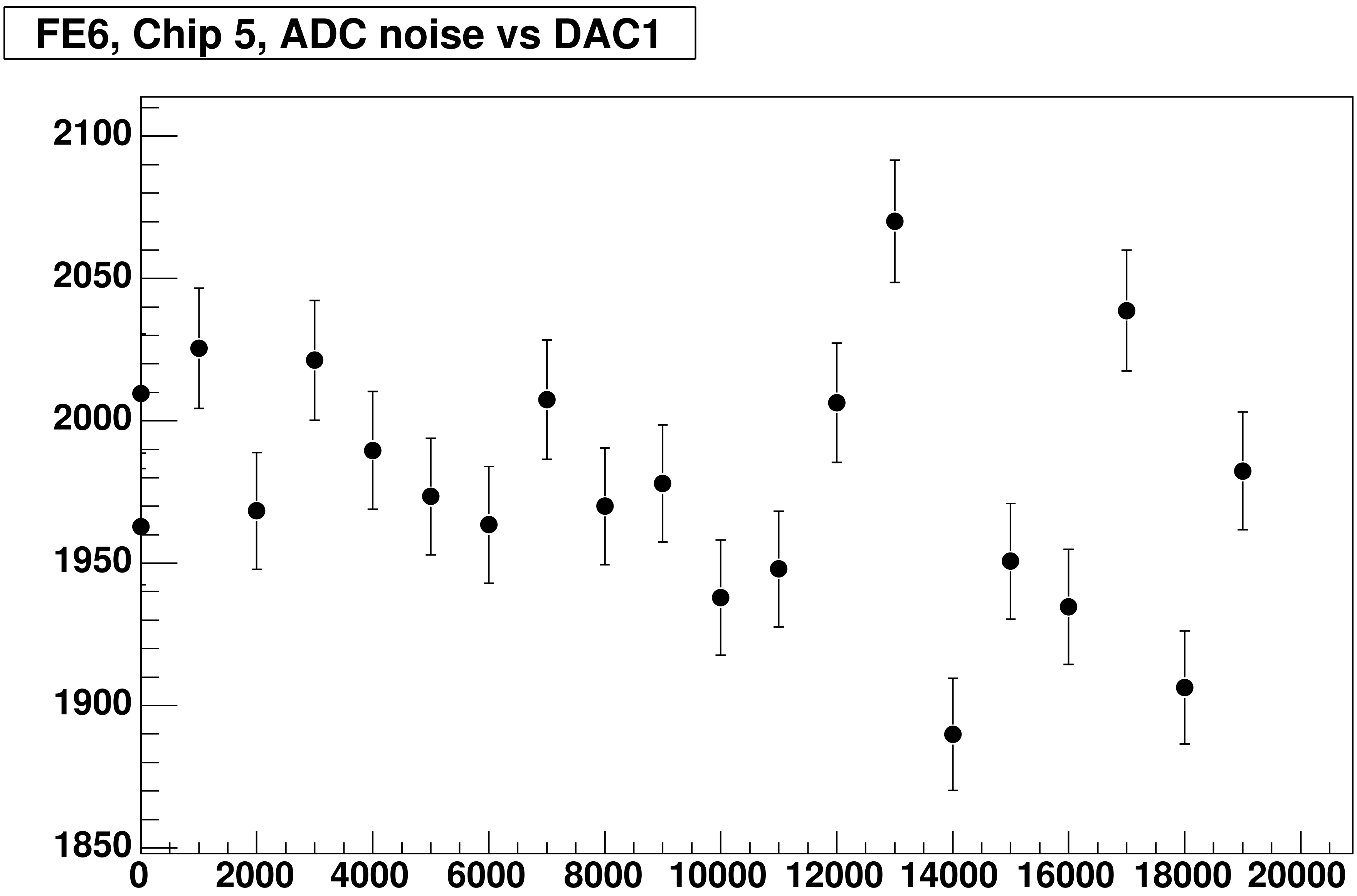

FE6, Chip 5, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



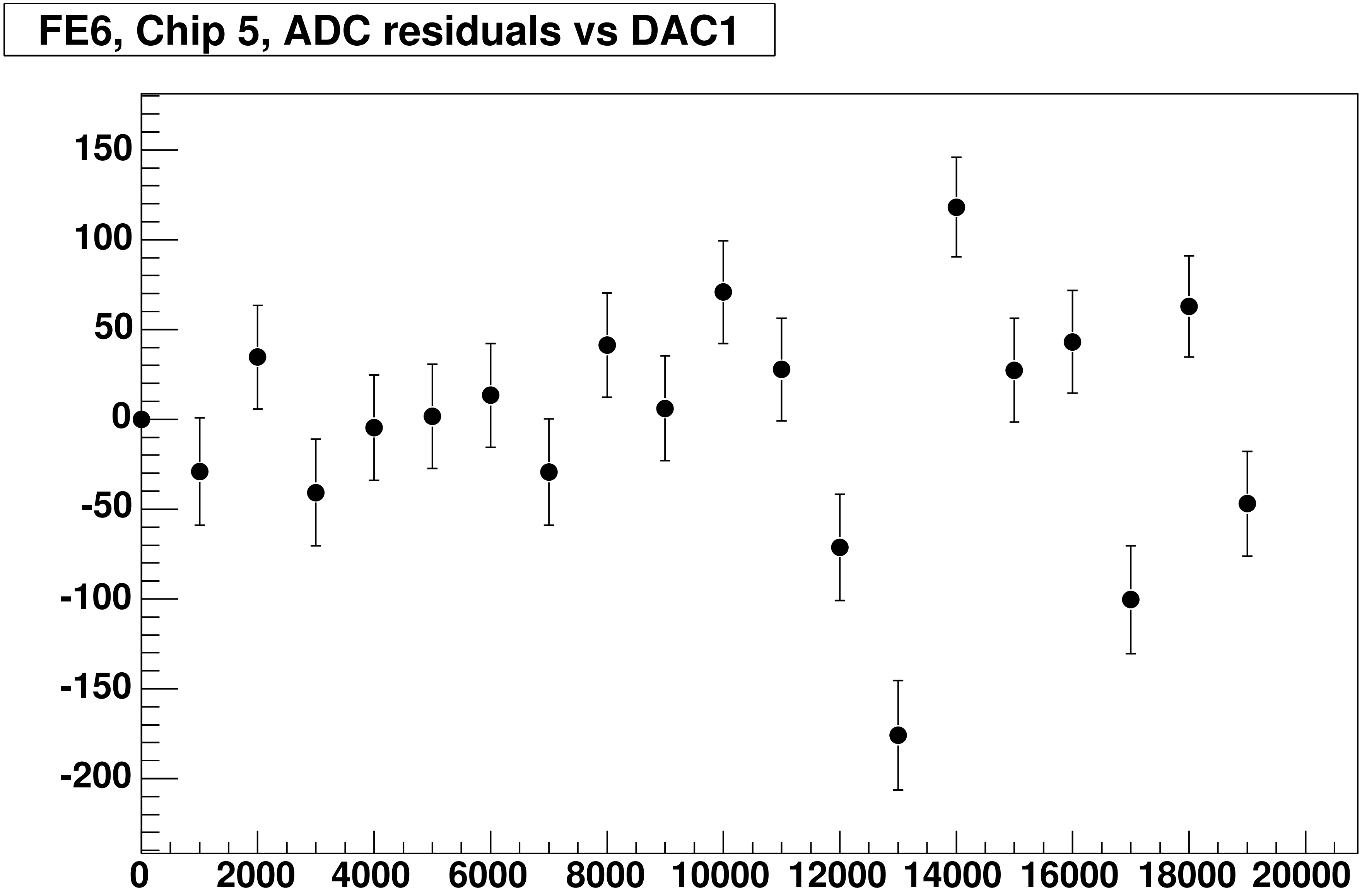
FE6, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



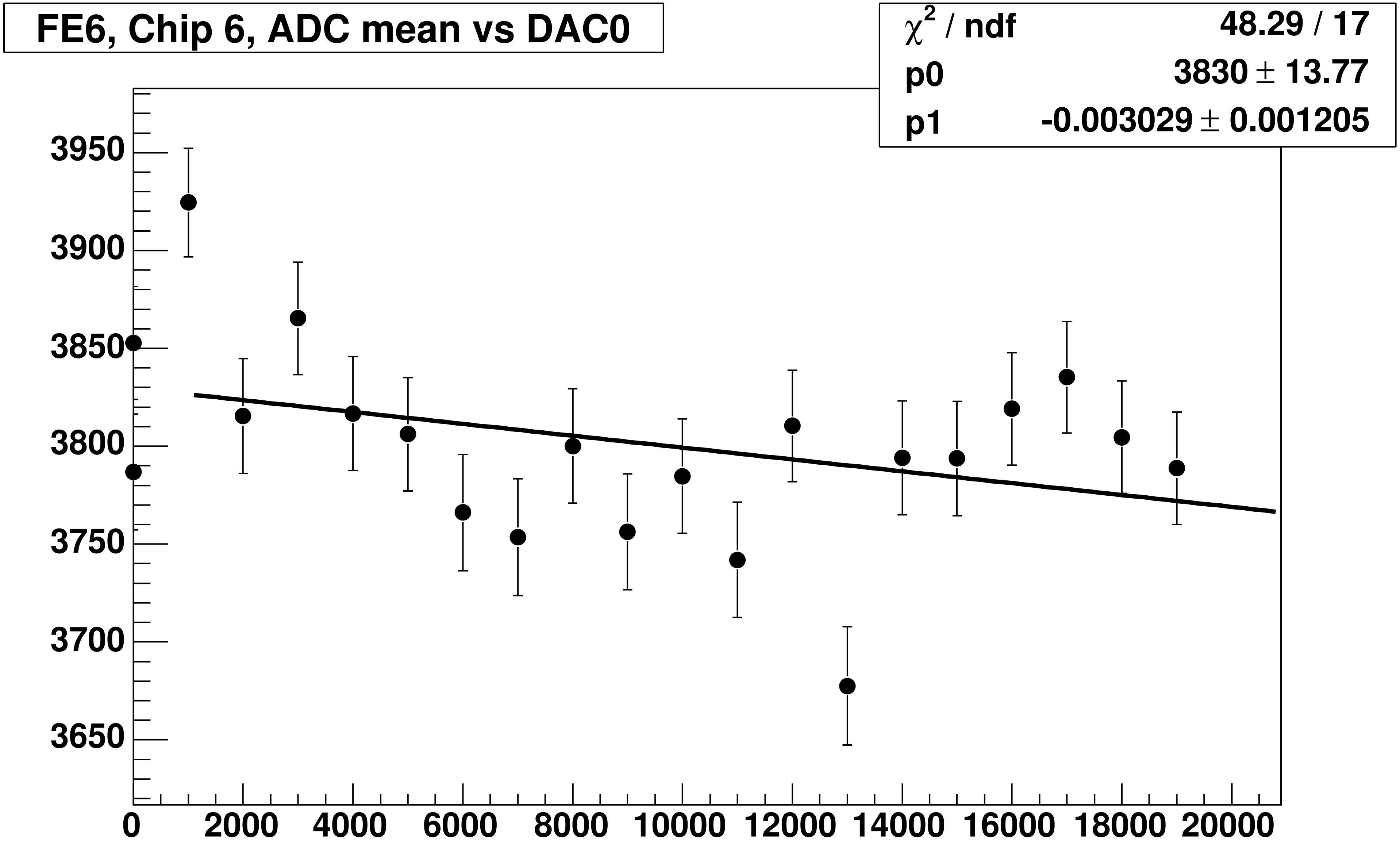
FE6, Chip 5, ADC mean vs DAC1
χ^2 / ndf 93.69 / 17
p0 3905 ± 14
p1 0.0004858 ± 0.001221
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



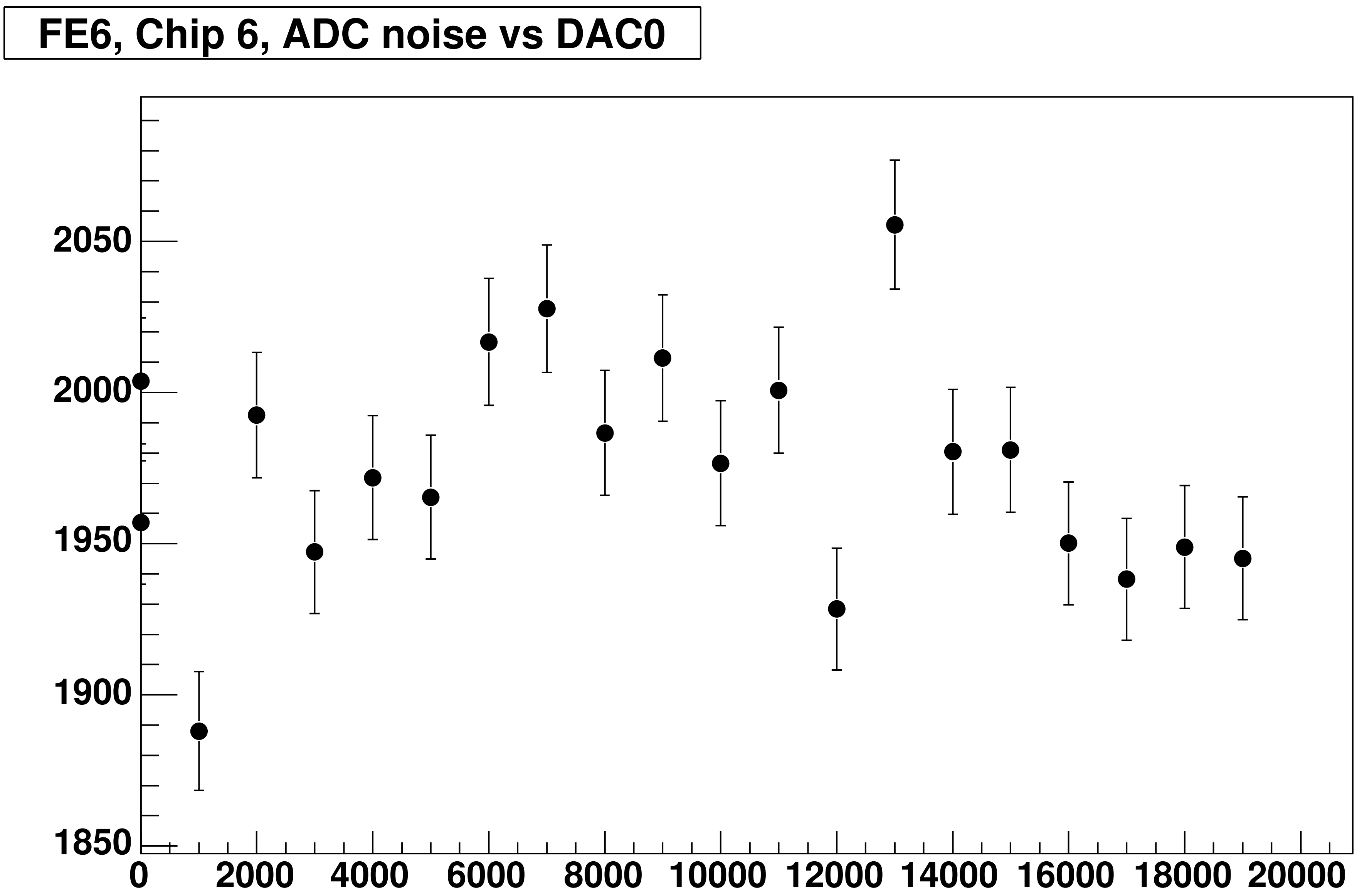
FE6, Chip 5, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



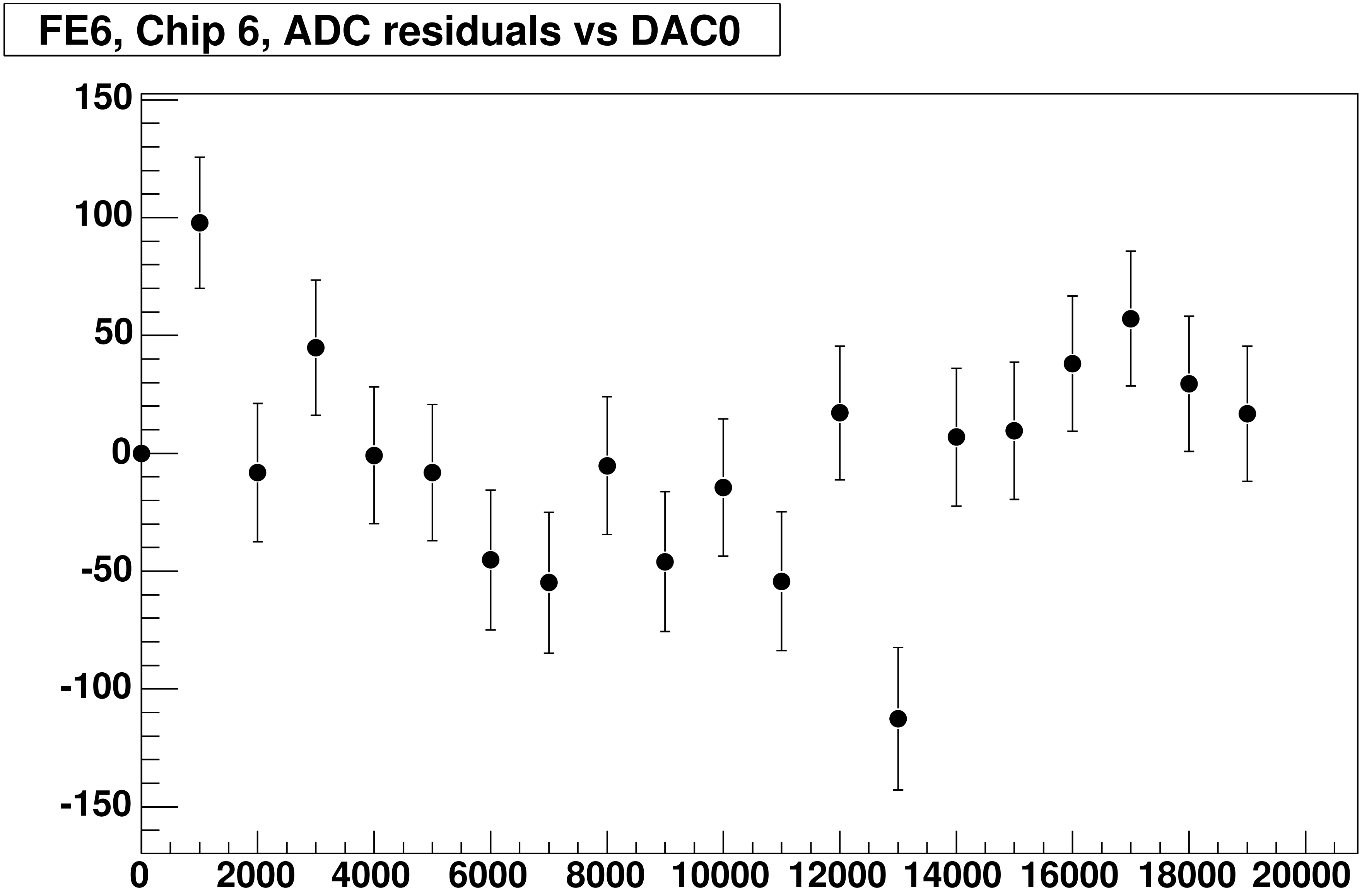
FE6, Chip 5, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

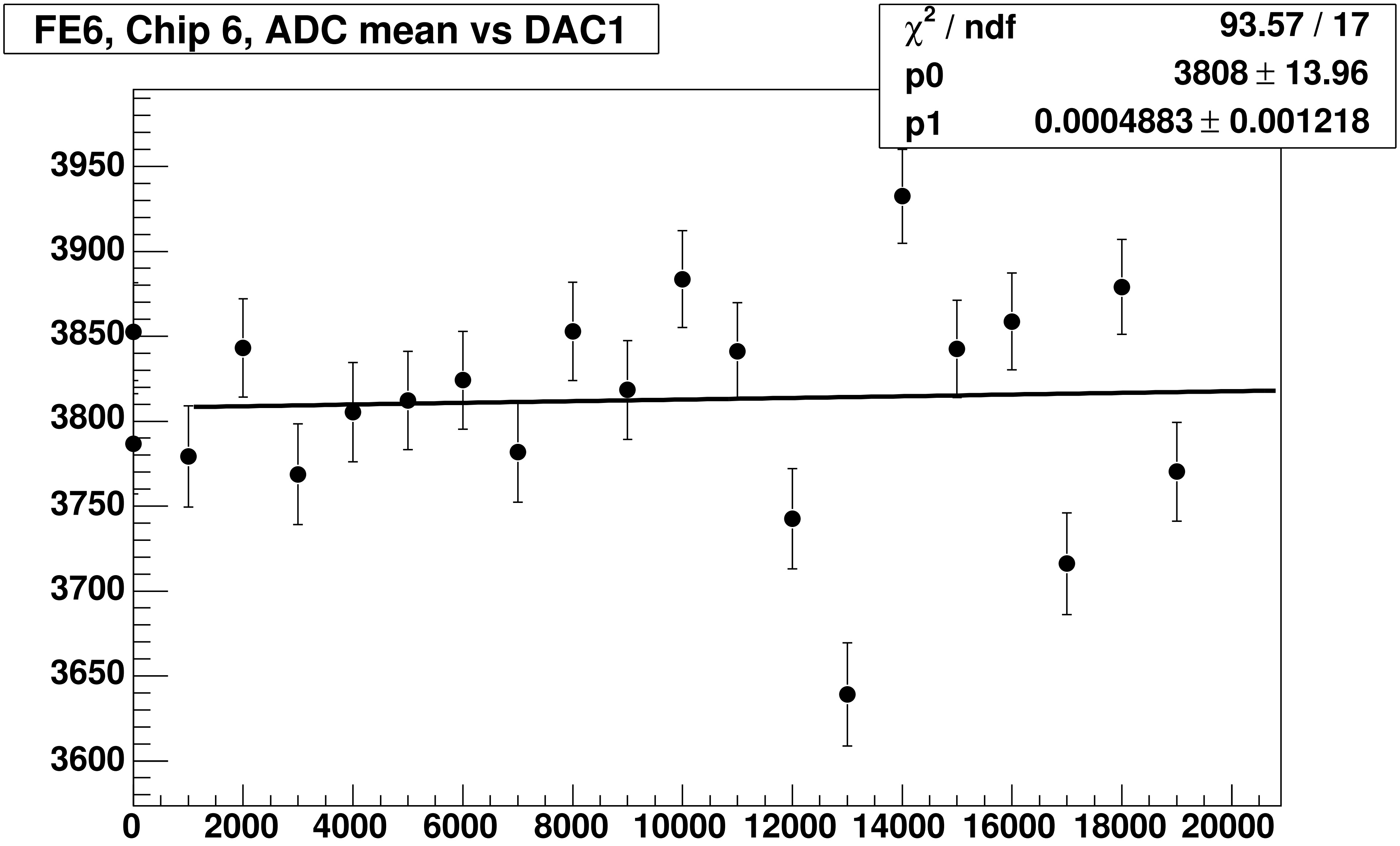


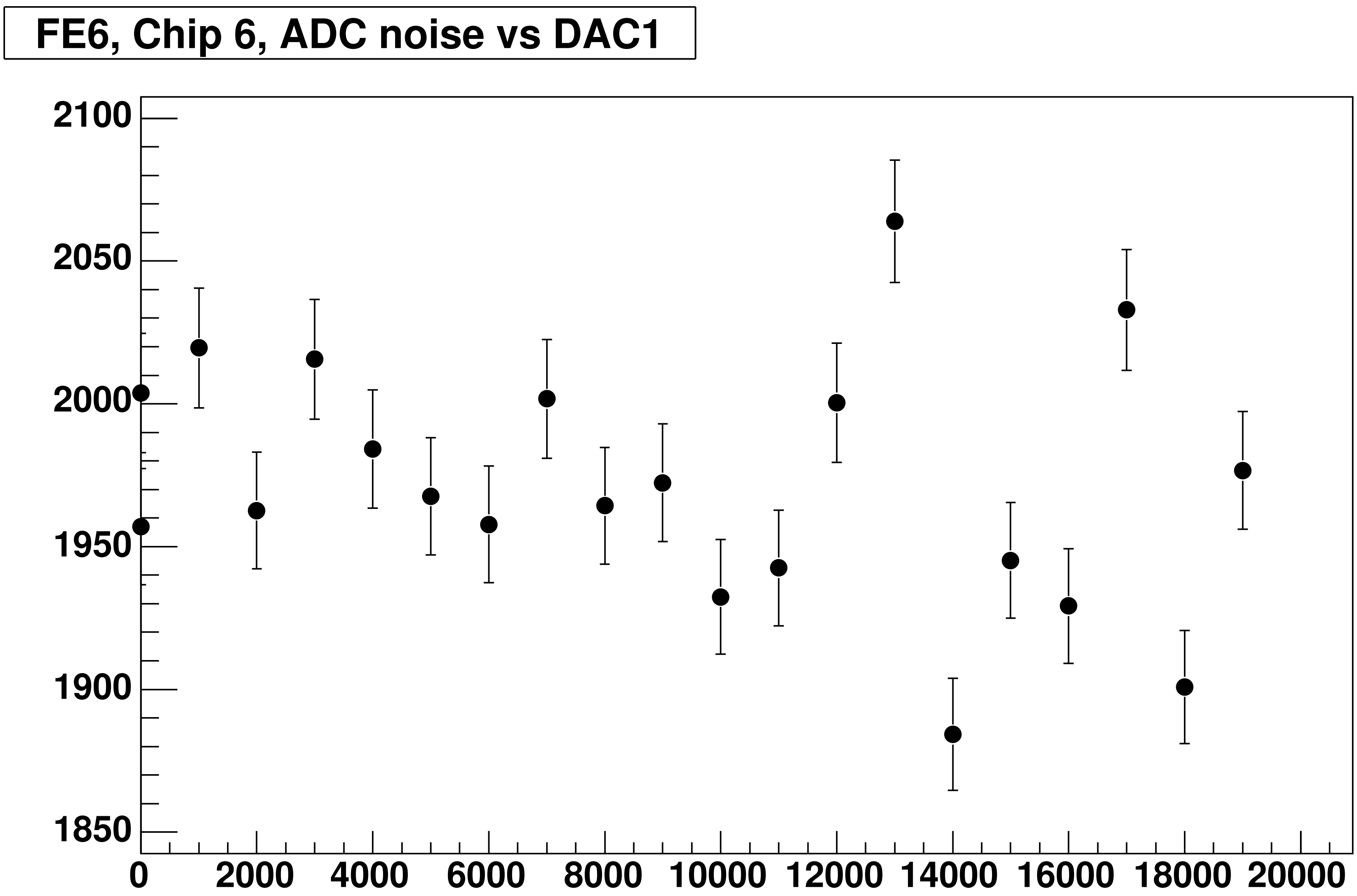
FE6, Chip 6, ADC mean vs DAC0
χ^2 / ndf 48.29 / 17
p0 3830 ± 13.77
p1 -0.003029 ± 0.001205
3650
3700
3750
3800
3850
3900
3950
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

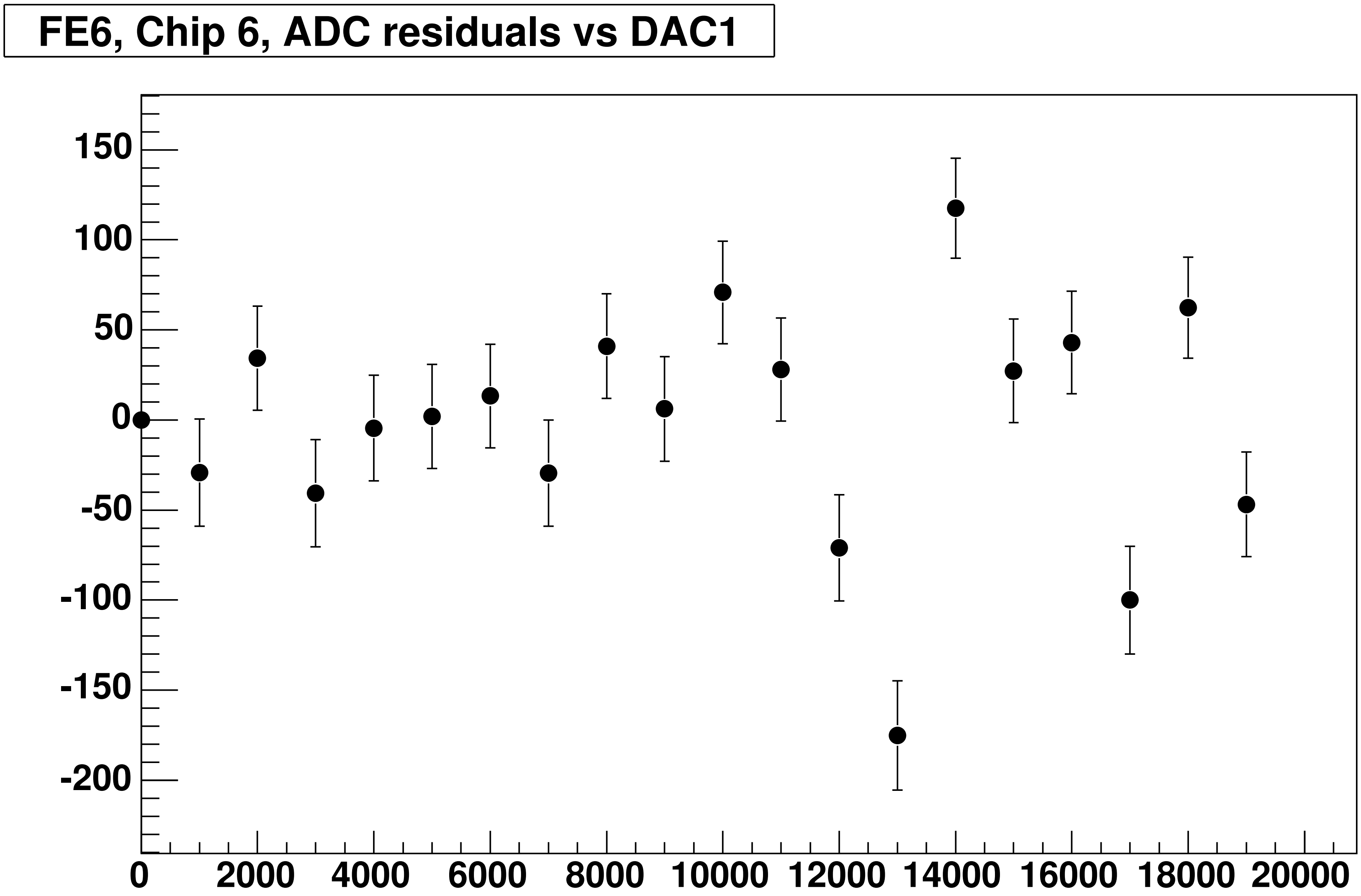


FE6, Chip 6, ADC noise vs DAC0
1850
1900
1950
2000
2050
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

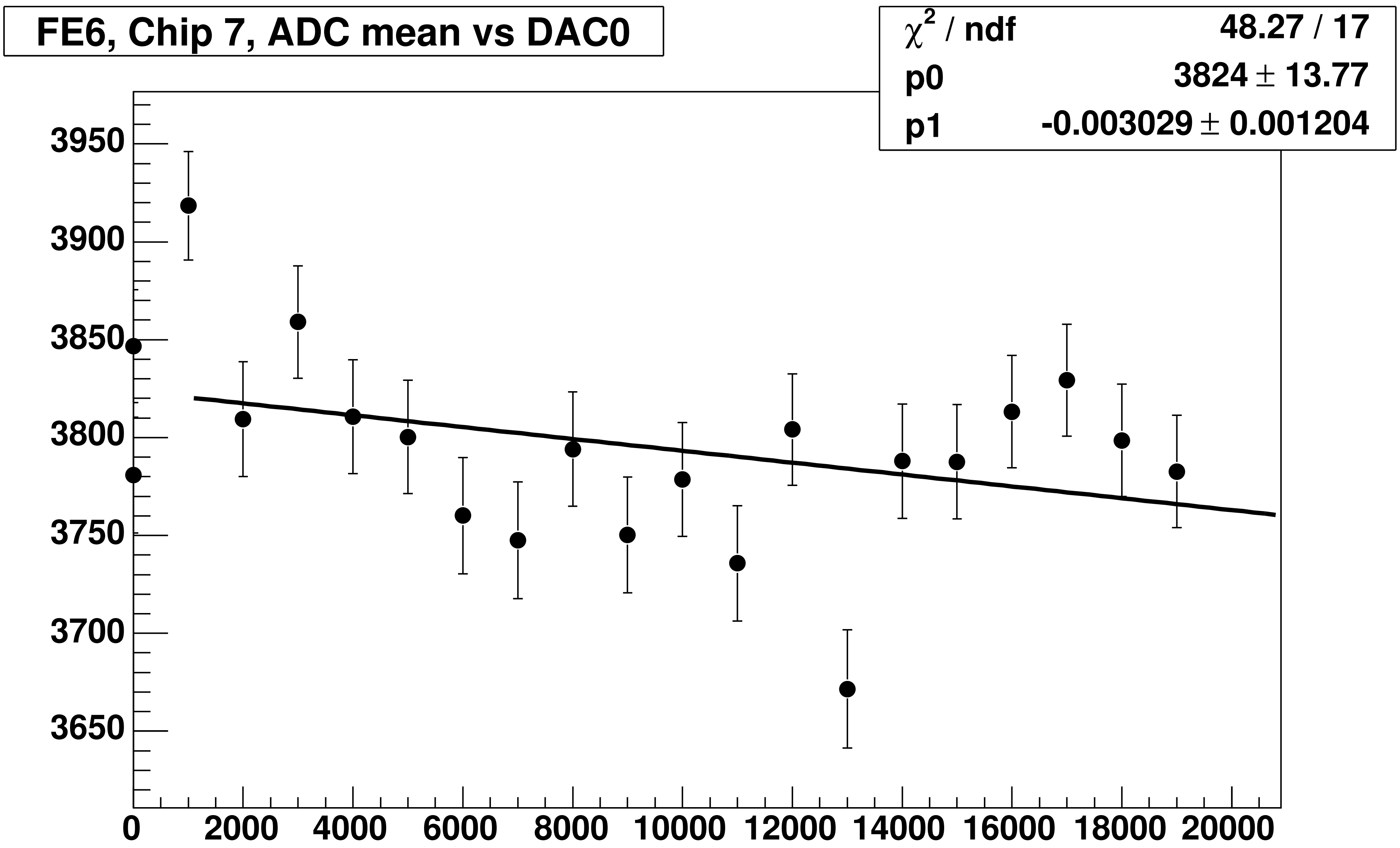

FE6, Chip 6, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

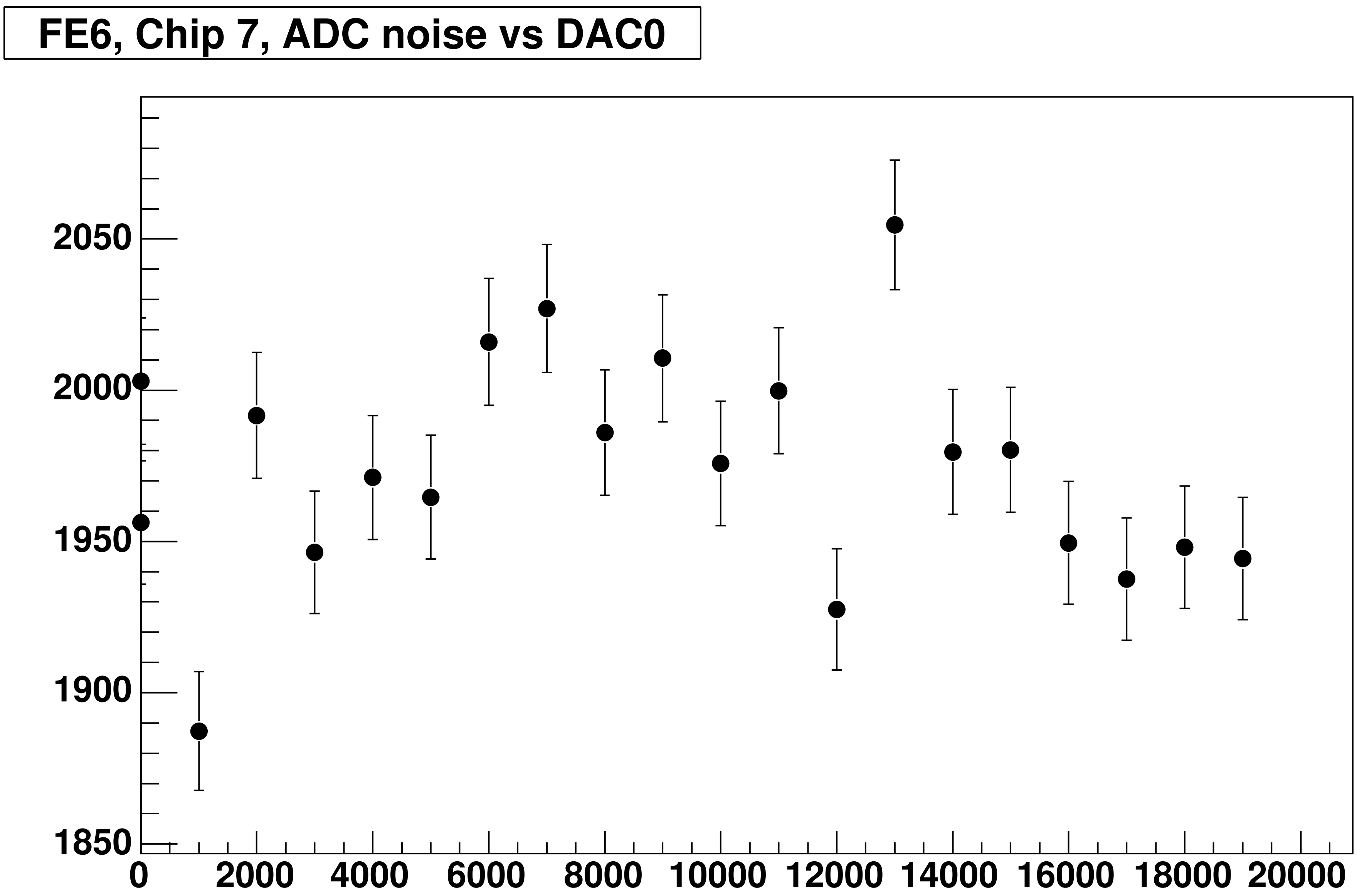

FE6, Chip 6, ADC mean vs DAC1
χ^2 / ndf 93.57 / 17
p0 3808 ± 13.96
p1 0.0004883 ± 0.001218
3600
3650
3700
3750
3800
3850
3900
3950
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

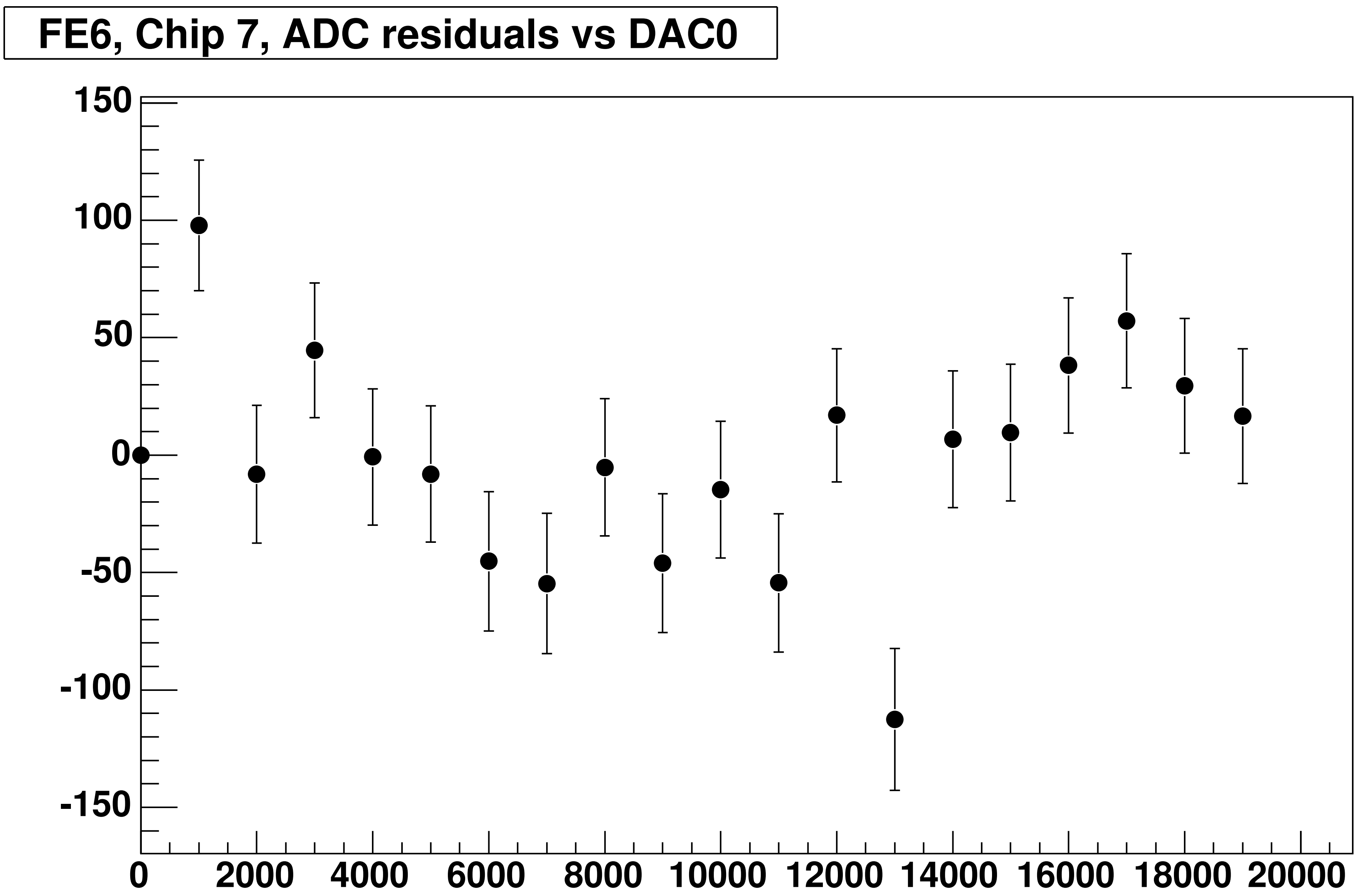

FE6, Chip 6, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

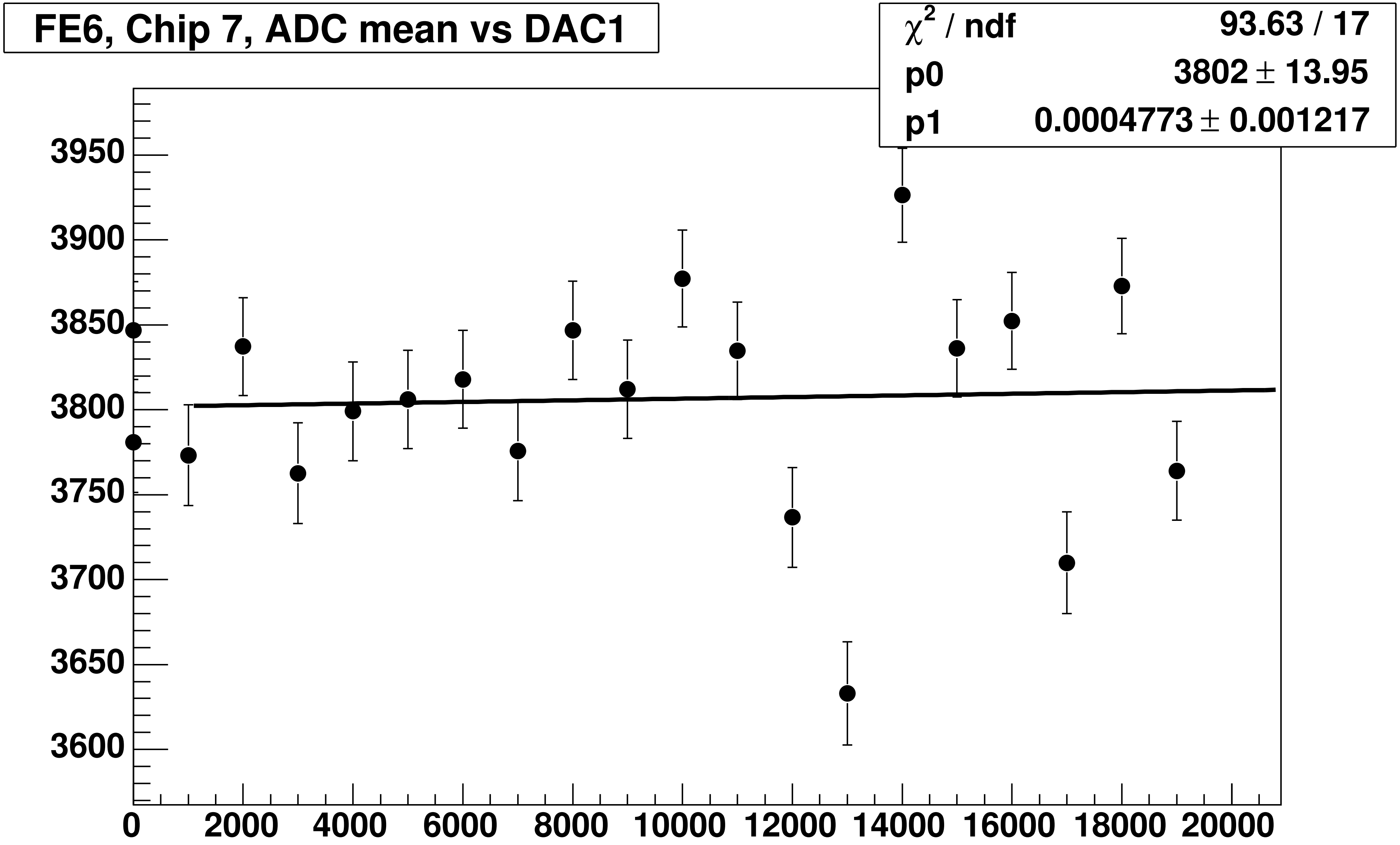


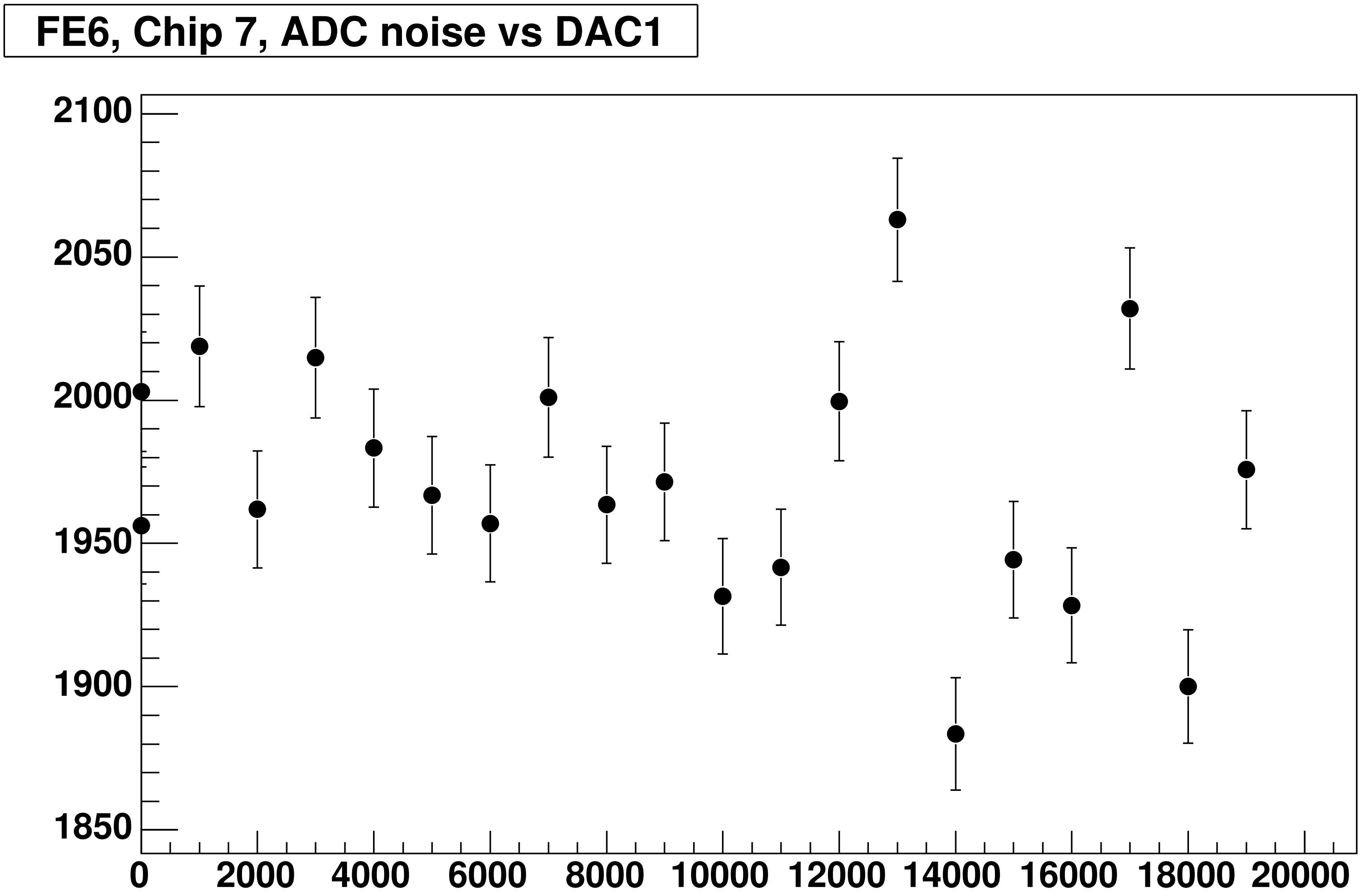
FE6, Chip 6, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

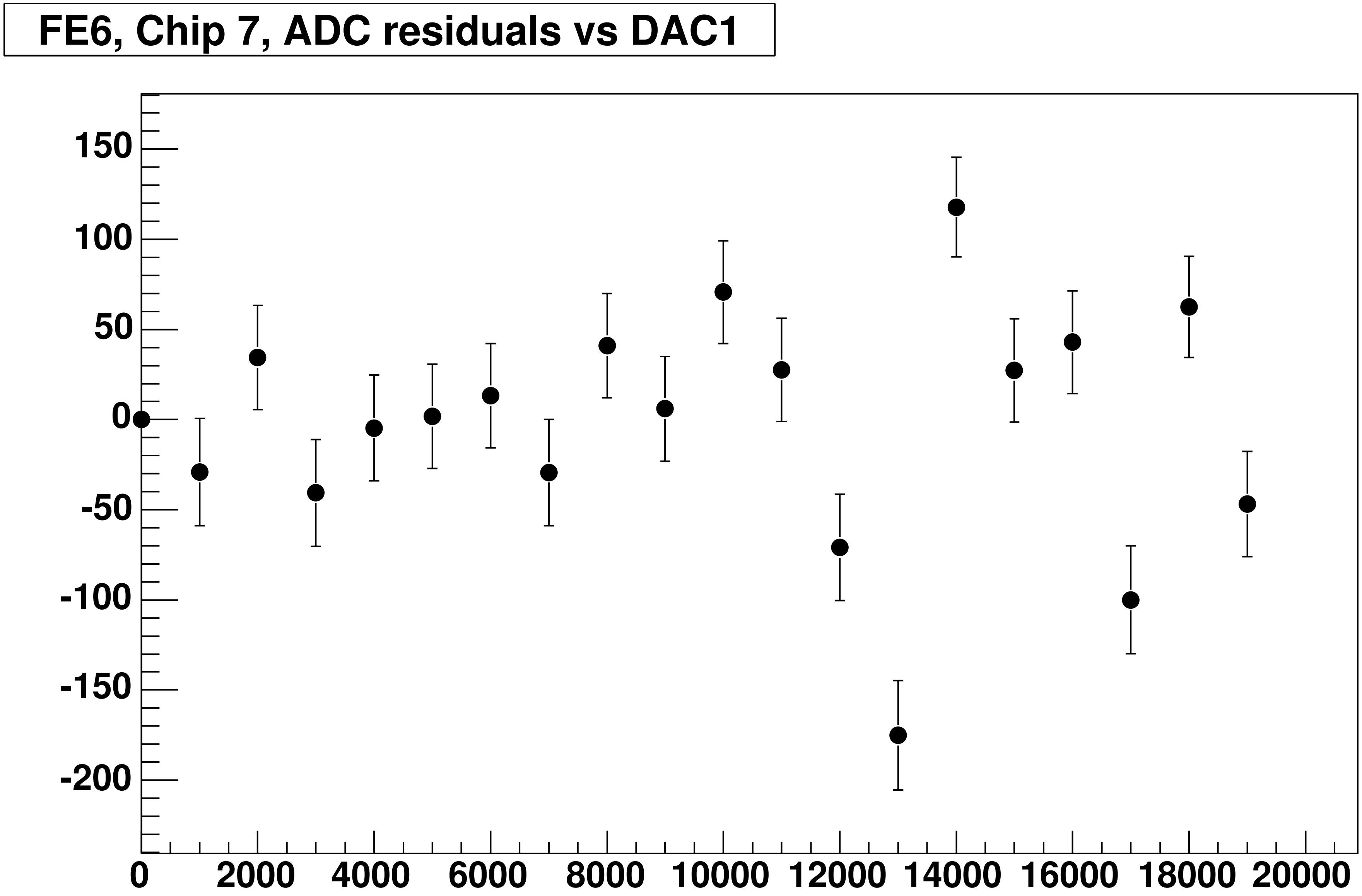

FE6, Chip 7, ADC mean vs DAC0
χ^2 / ndf 48.27 / 17
p0 3824 ± 13.77
p1 -0.003029 ± 0.001204
3650
3700
3750
3800
3850
3900
3950
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 7, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

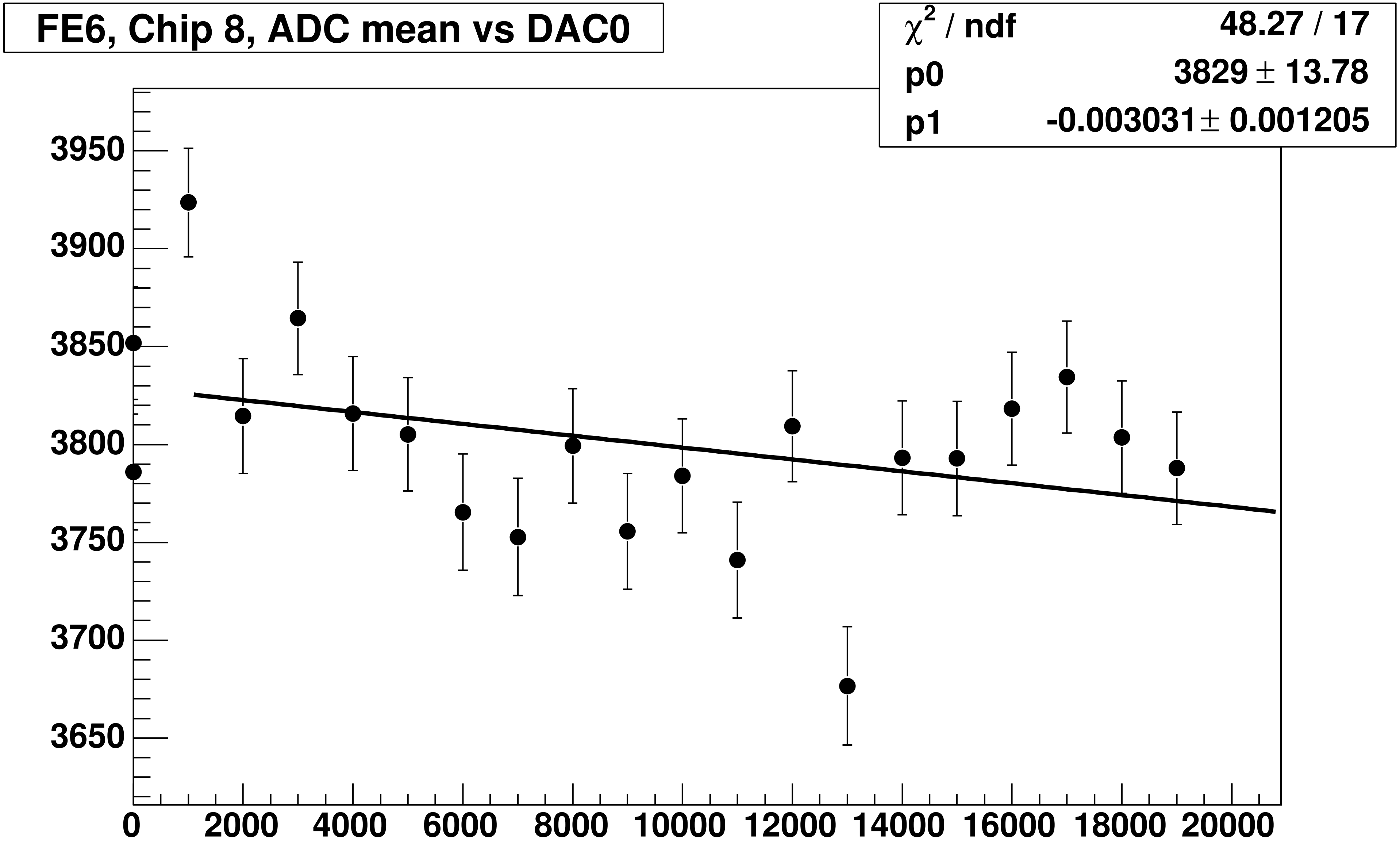

FE6, Chip 7, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 7, ADC mean vs DAC1
χ^2 / ndf 93.63 / 17
p0 3802 ± 13.95
p1 0.0004773 ± 0.001217
3950
3900
3850
3800
3750
3700
3650
3600
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

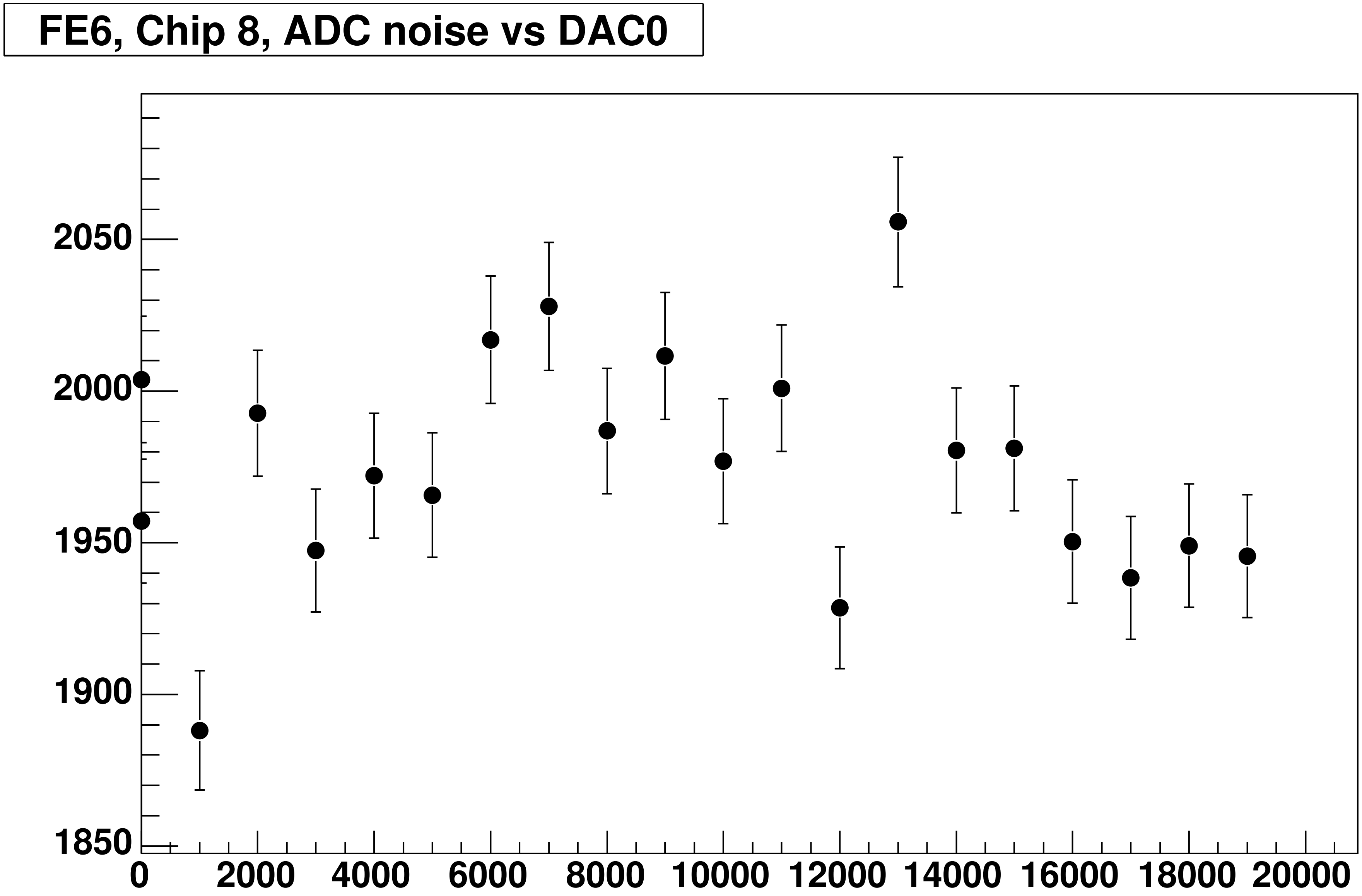

FE6, Chip 7, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

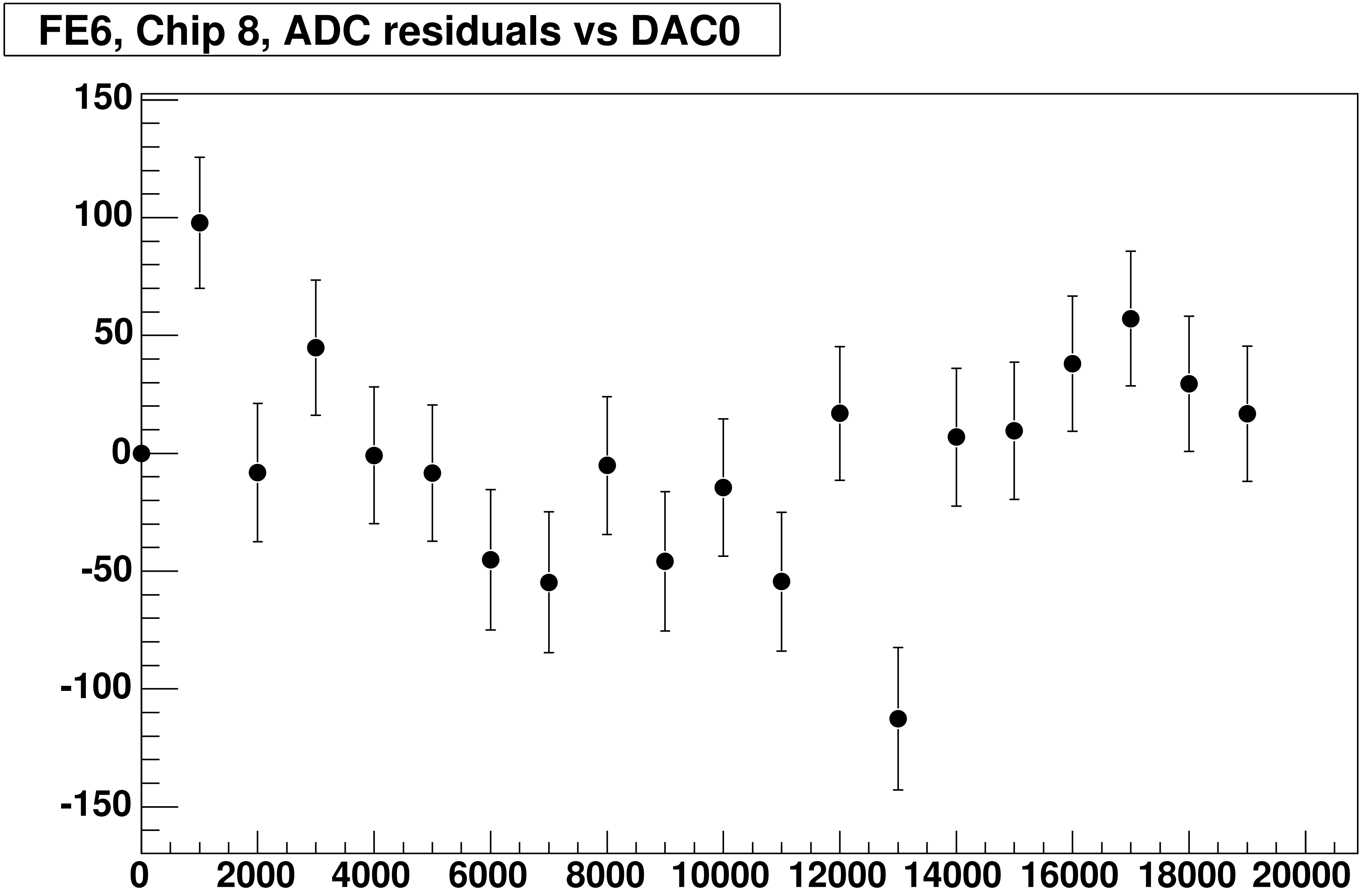


FE6, Chip 7, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

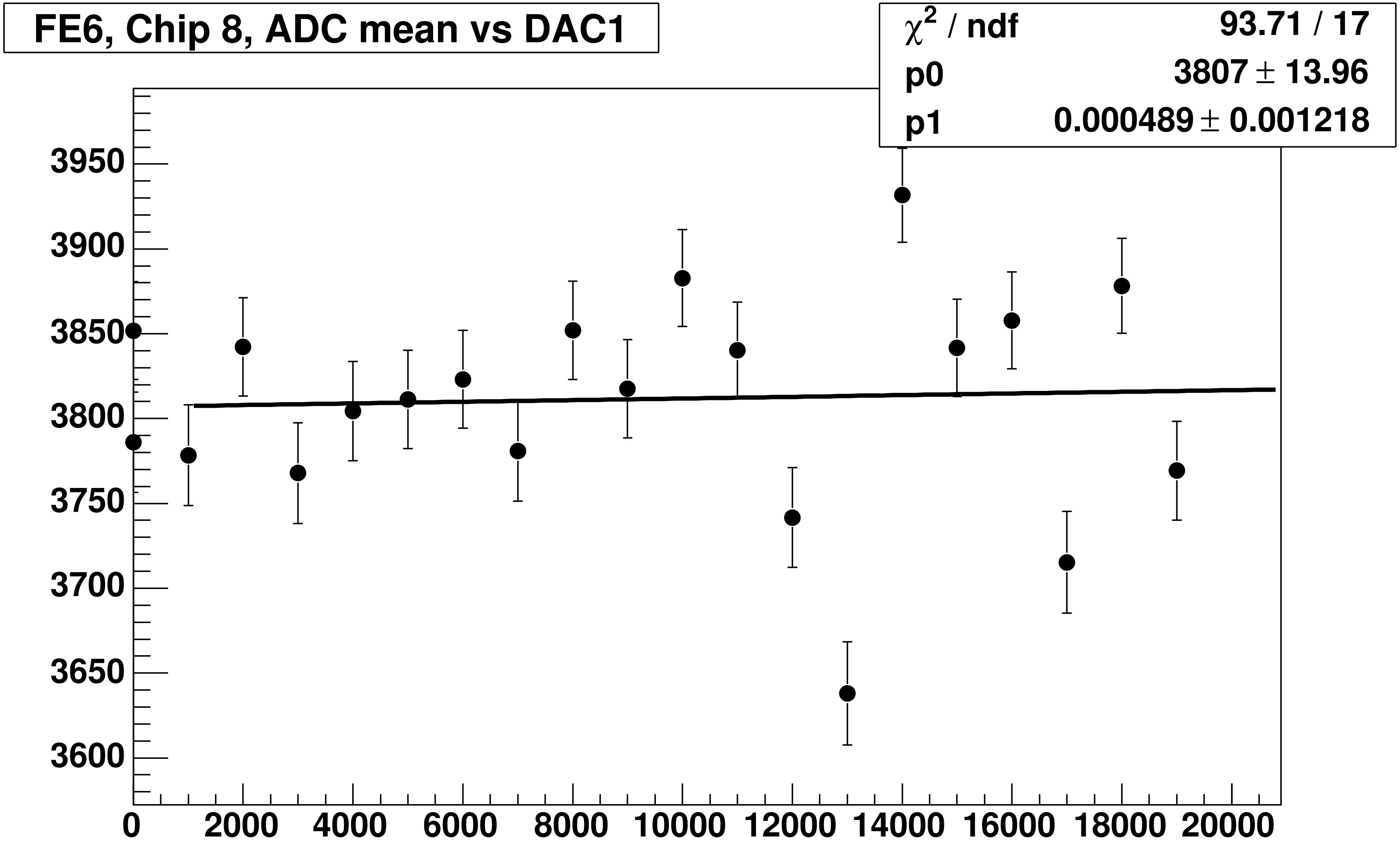


FE6, Chip 8, ADC mean vs DAC0
χ^2 / ndf 48.27 / 17
p0 3829 ± 13.78
p1 -0.003031 ± 0.001205
3650
3700
3750
3800
3850
3900
3950
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

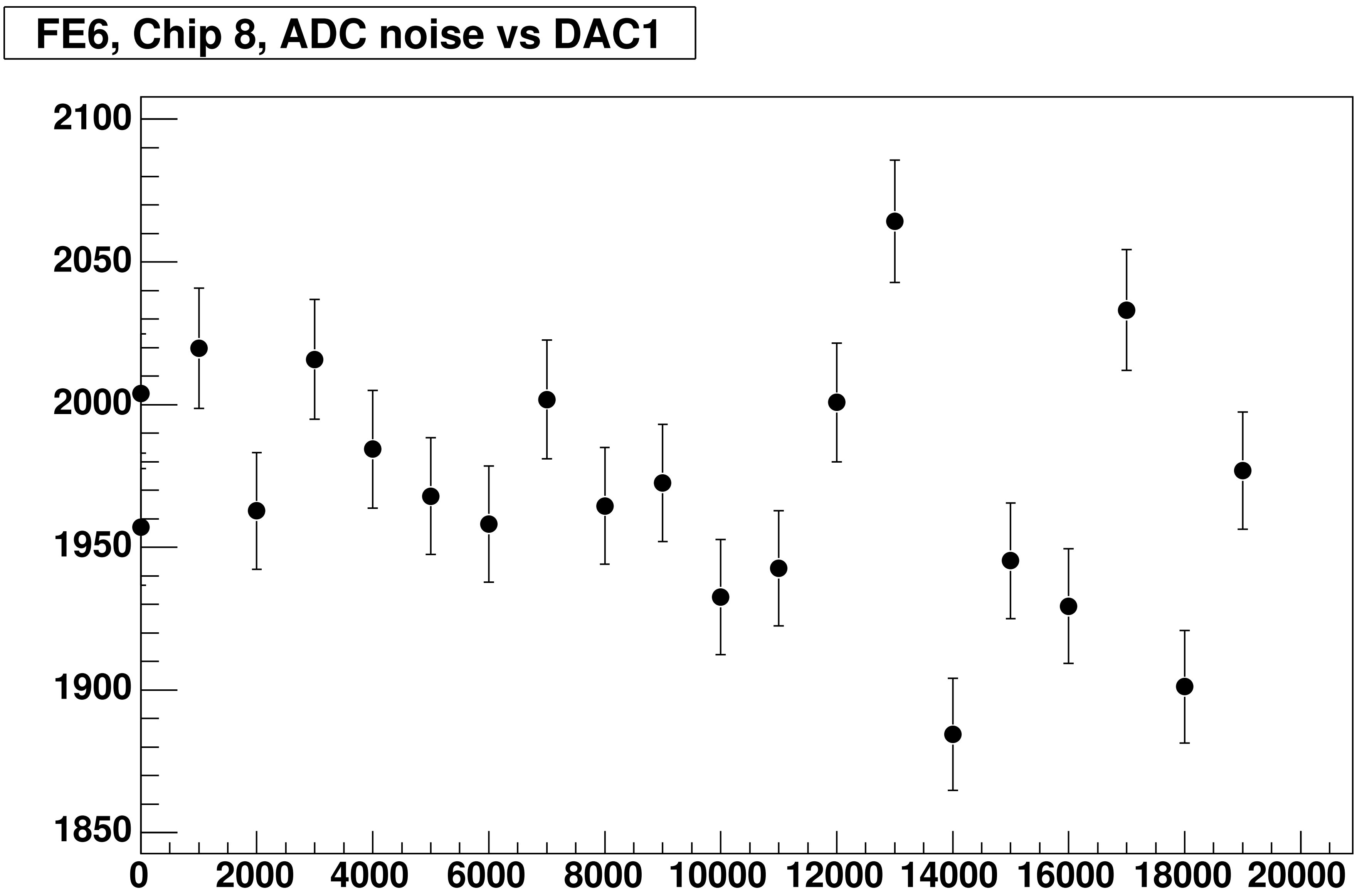

FE6, Chip 8, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

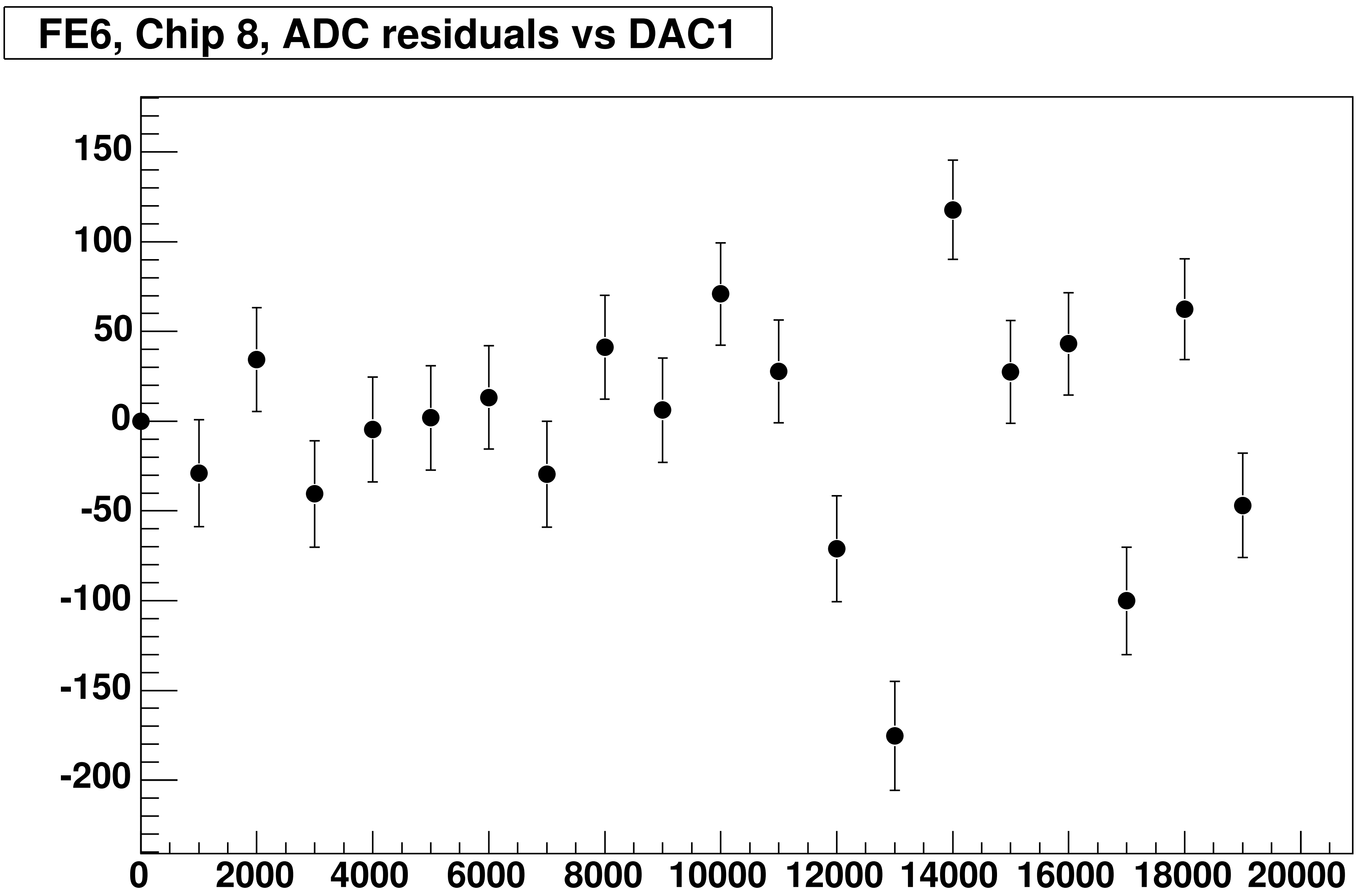


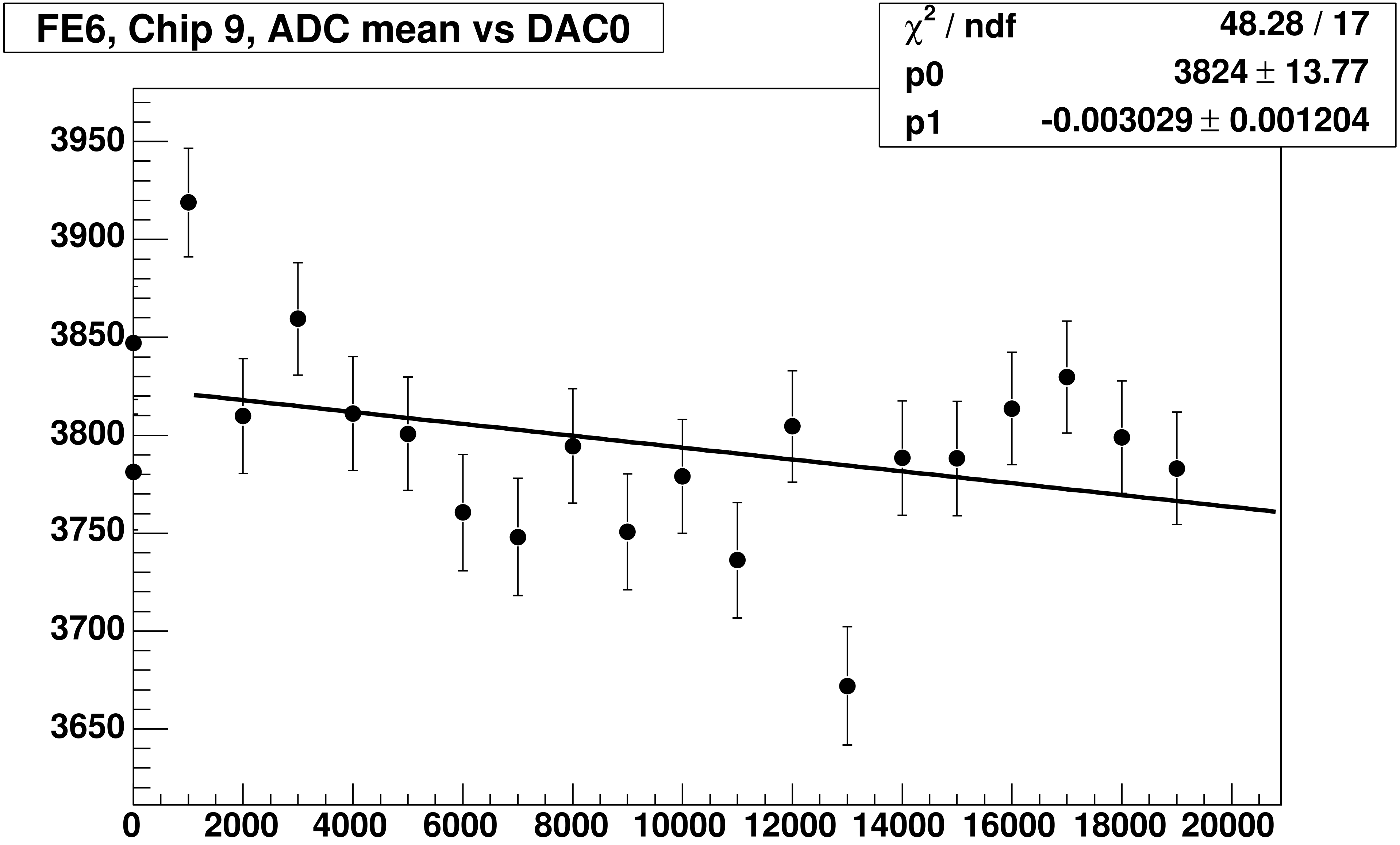
FE6, Chip 8, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

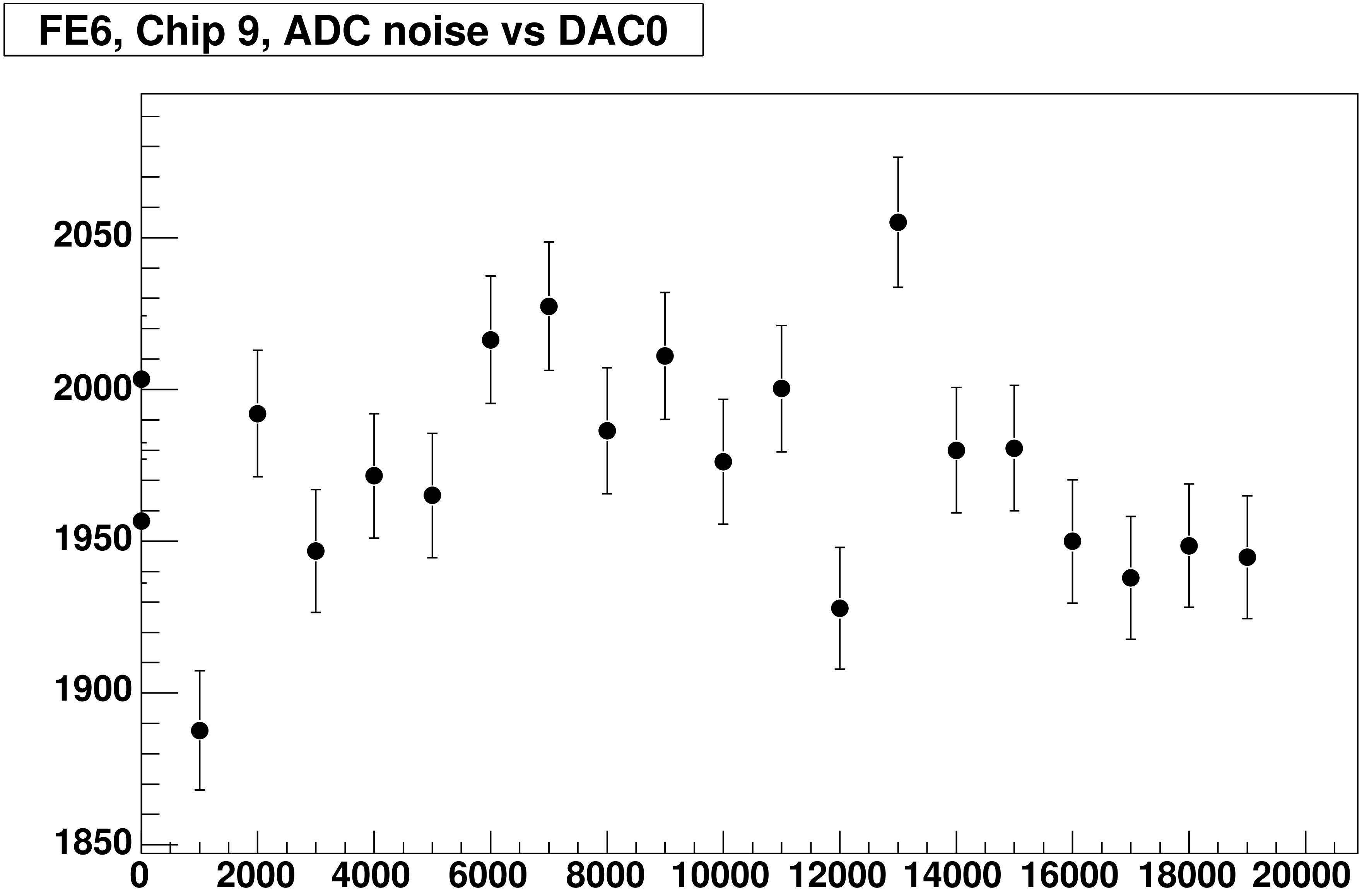


FE6, Chip 8, ADC mean vs DAC1
χ^2 / ndf 93.71 / 17
p0 3807 ± 13.96
p1 0.000489 ± 0.001218
3950
3900
3850
3800
3750
3700
3650
3600
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 8, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 8, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 9, ADC mean vs DAC0
χ^2 / ndf 48.28 / 17
p0 3824 ± 13.77
p1 -0.003029 ± 0.001204
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE6, Chip 9, ADC noise vs DAC0
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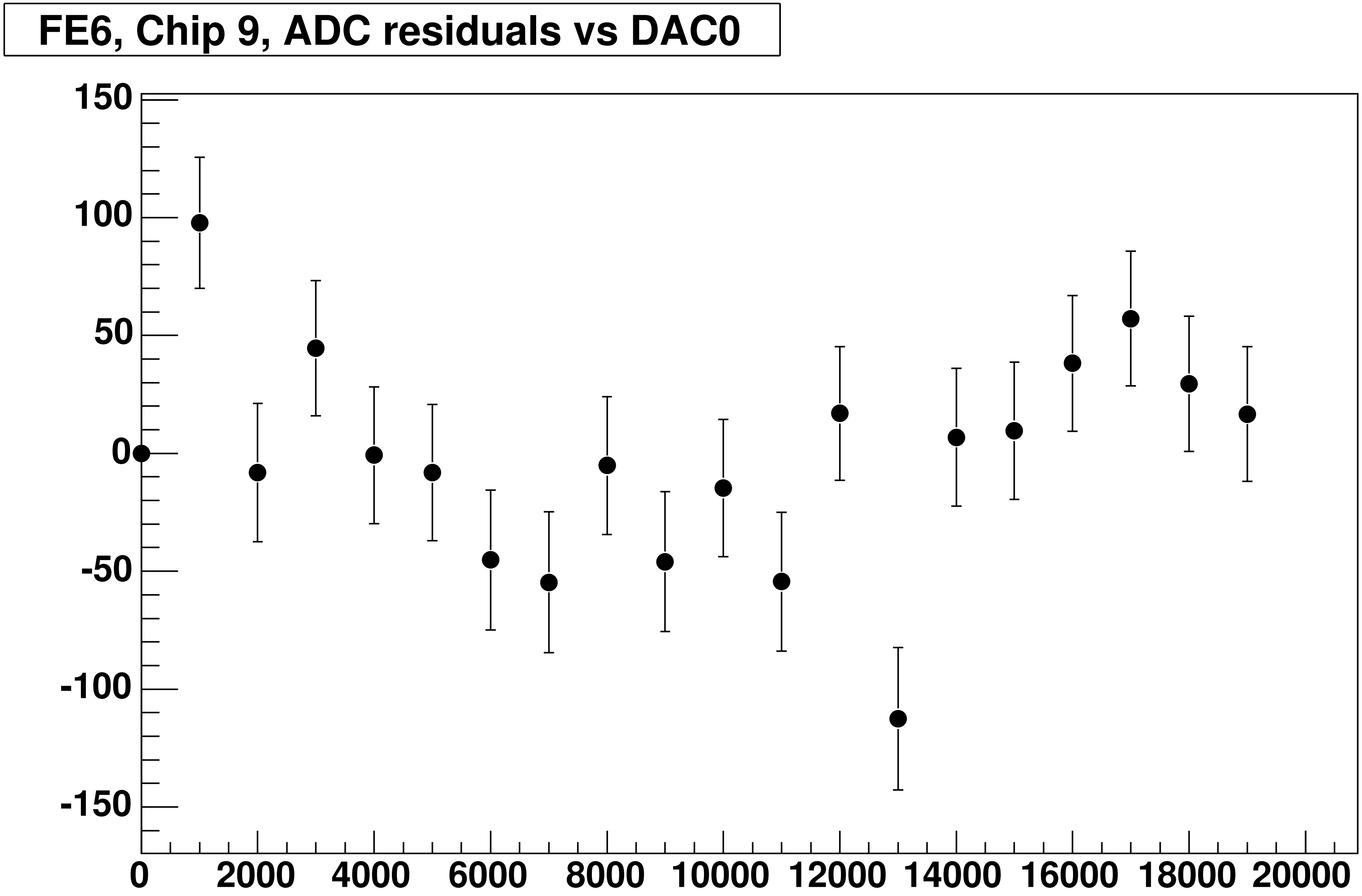
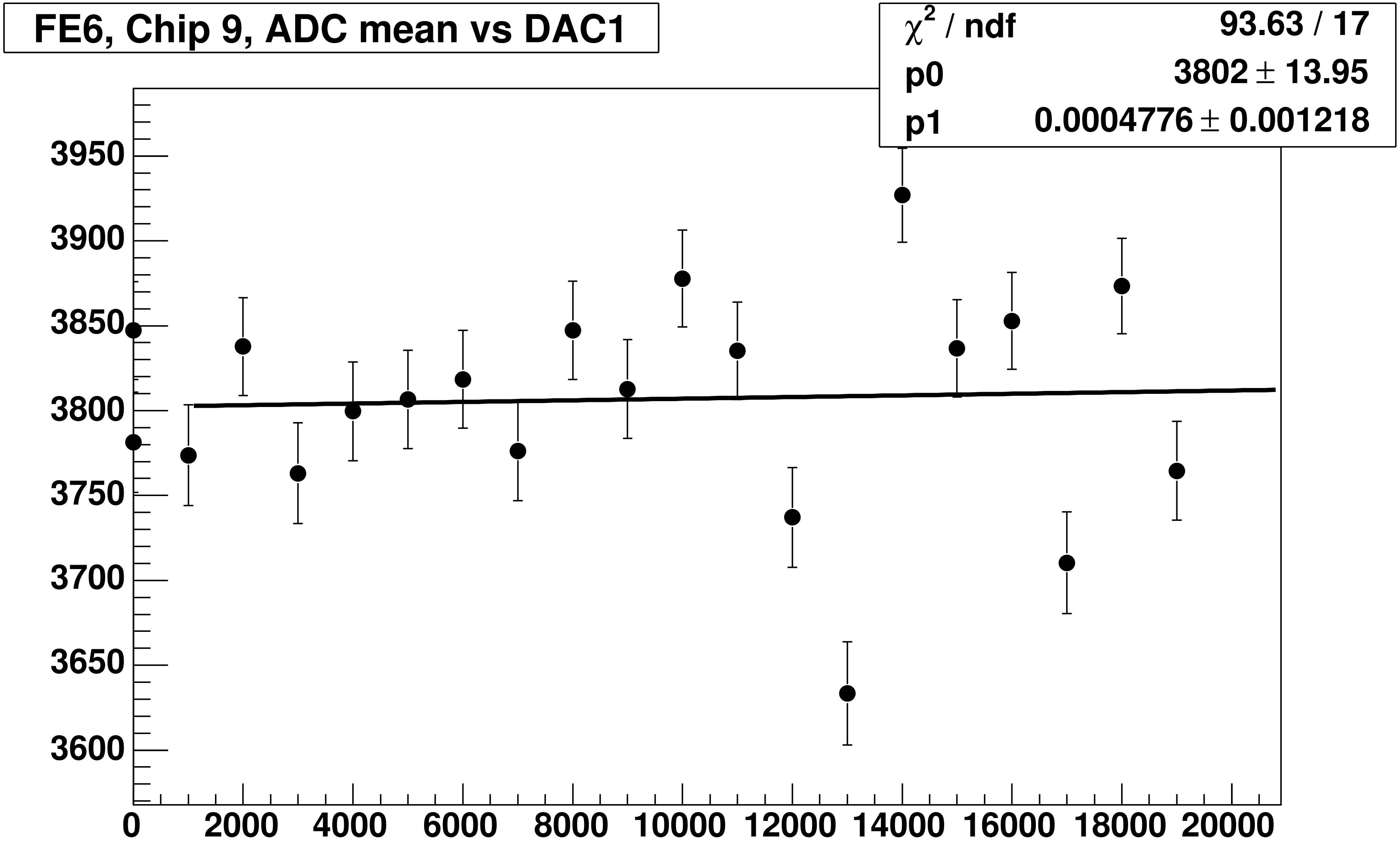
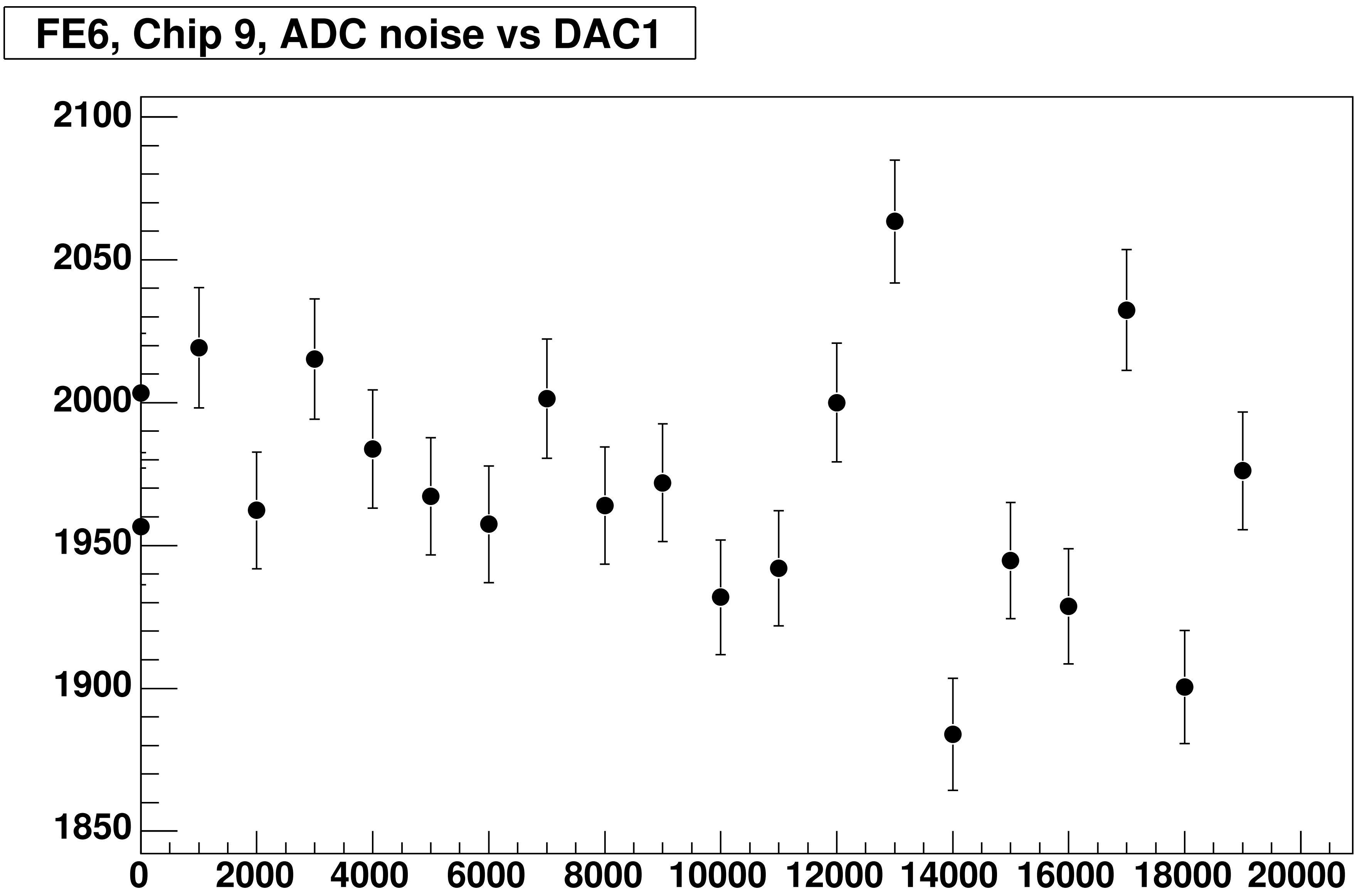
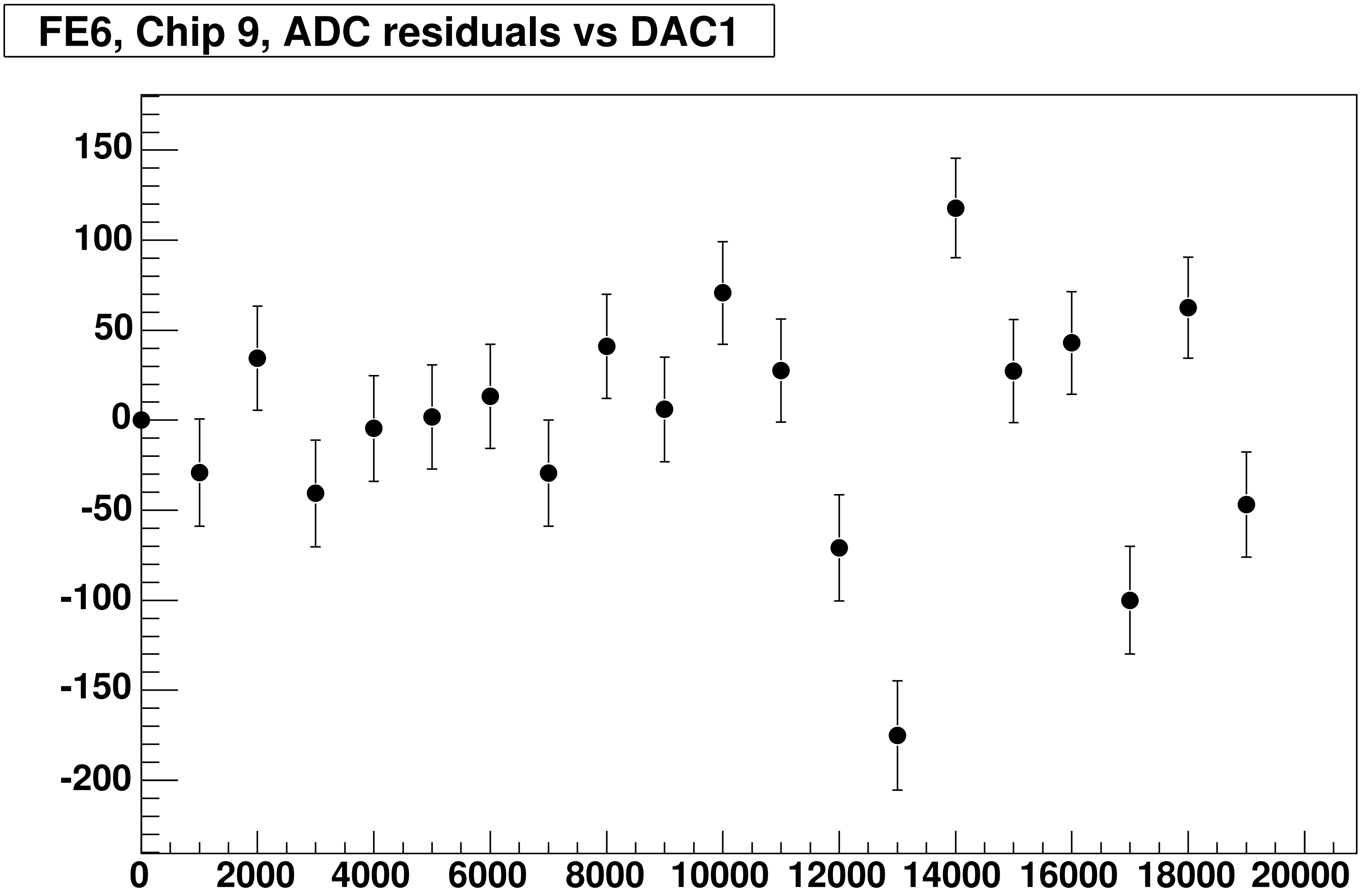
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

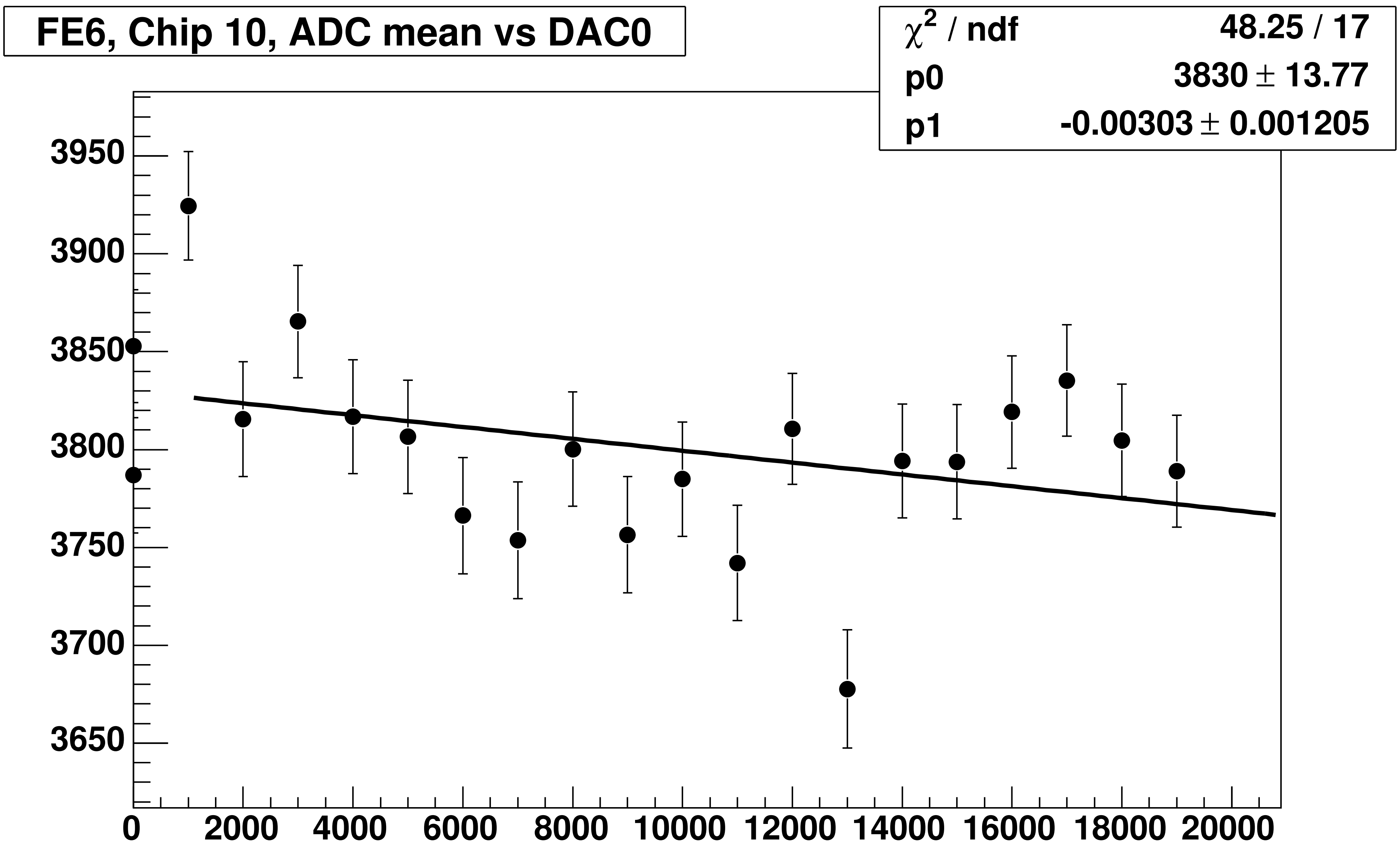

FE6, Chip 9, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

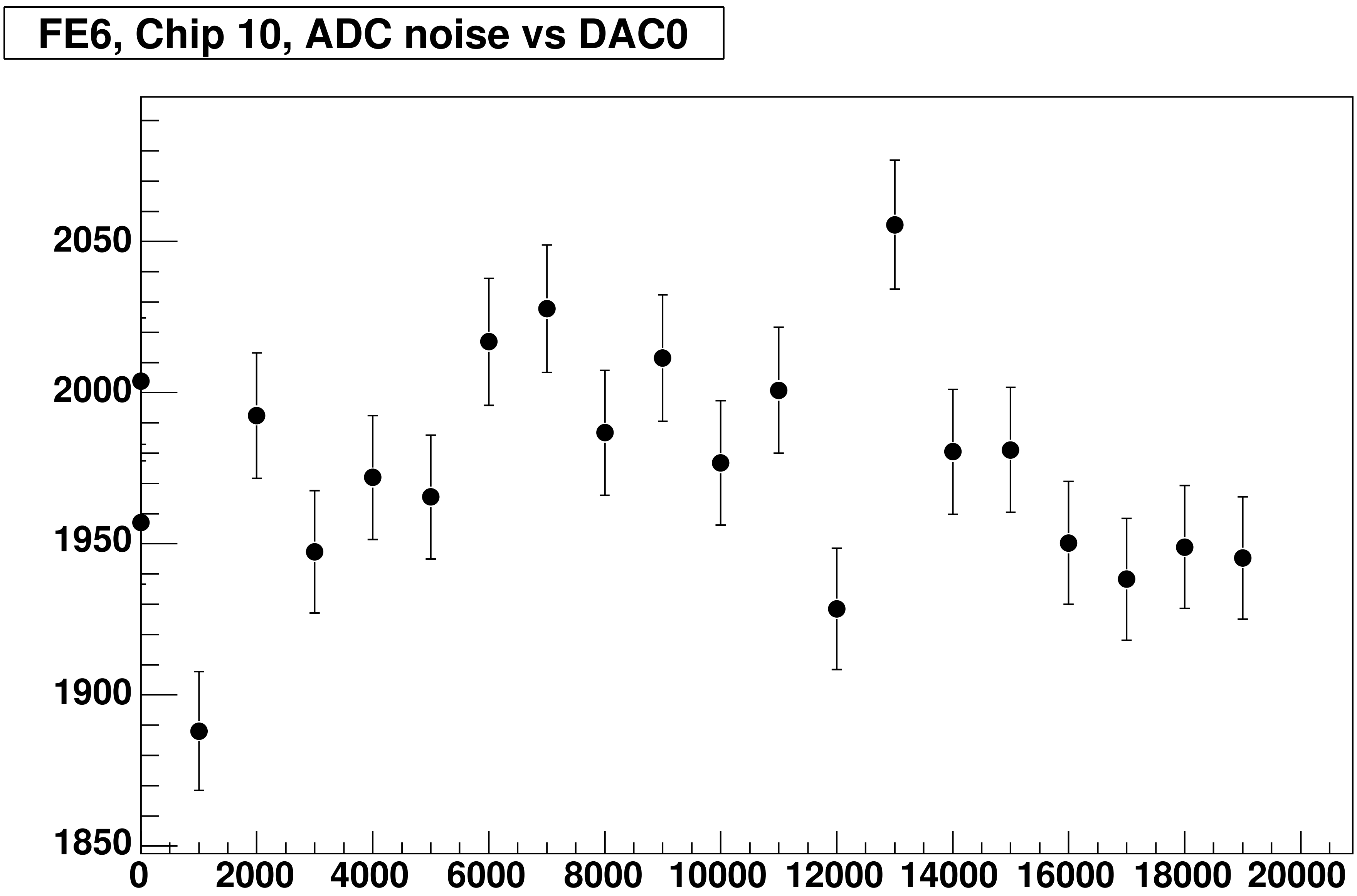

FE6, Chip 9, ADC mean vs DAC1
χ^2 / ndf 93.63 / 17
p0 3802 ± 13.95
p1 0.0004776 ± 0.001218
3950
3900
3850
3800
3750
3700
3650
3600
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



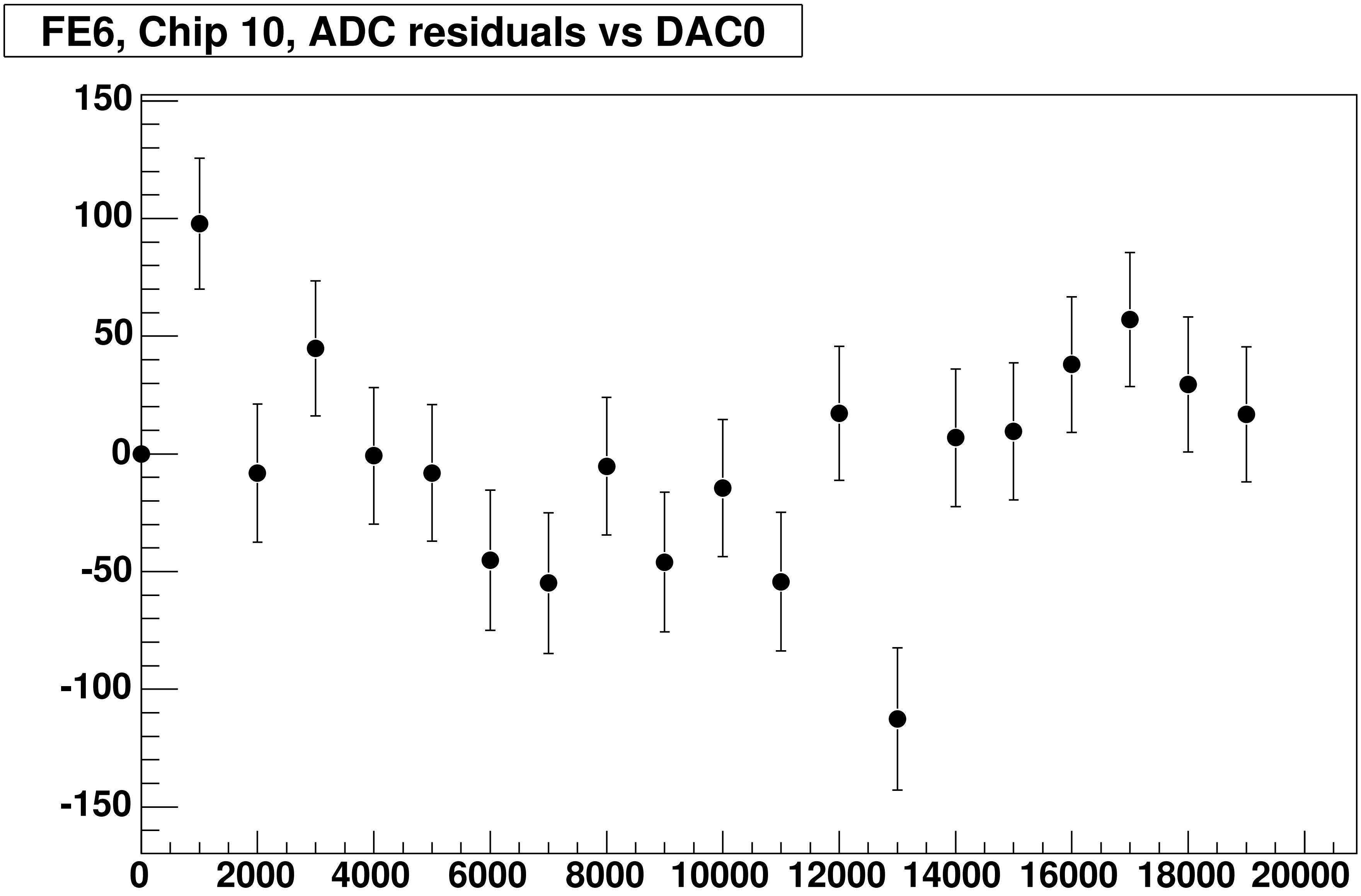
FE6, Chip 9, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 9, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

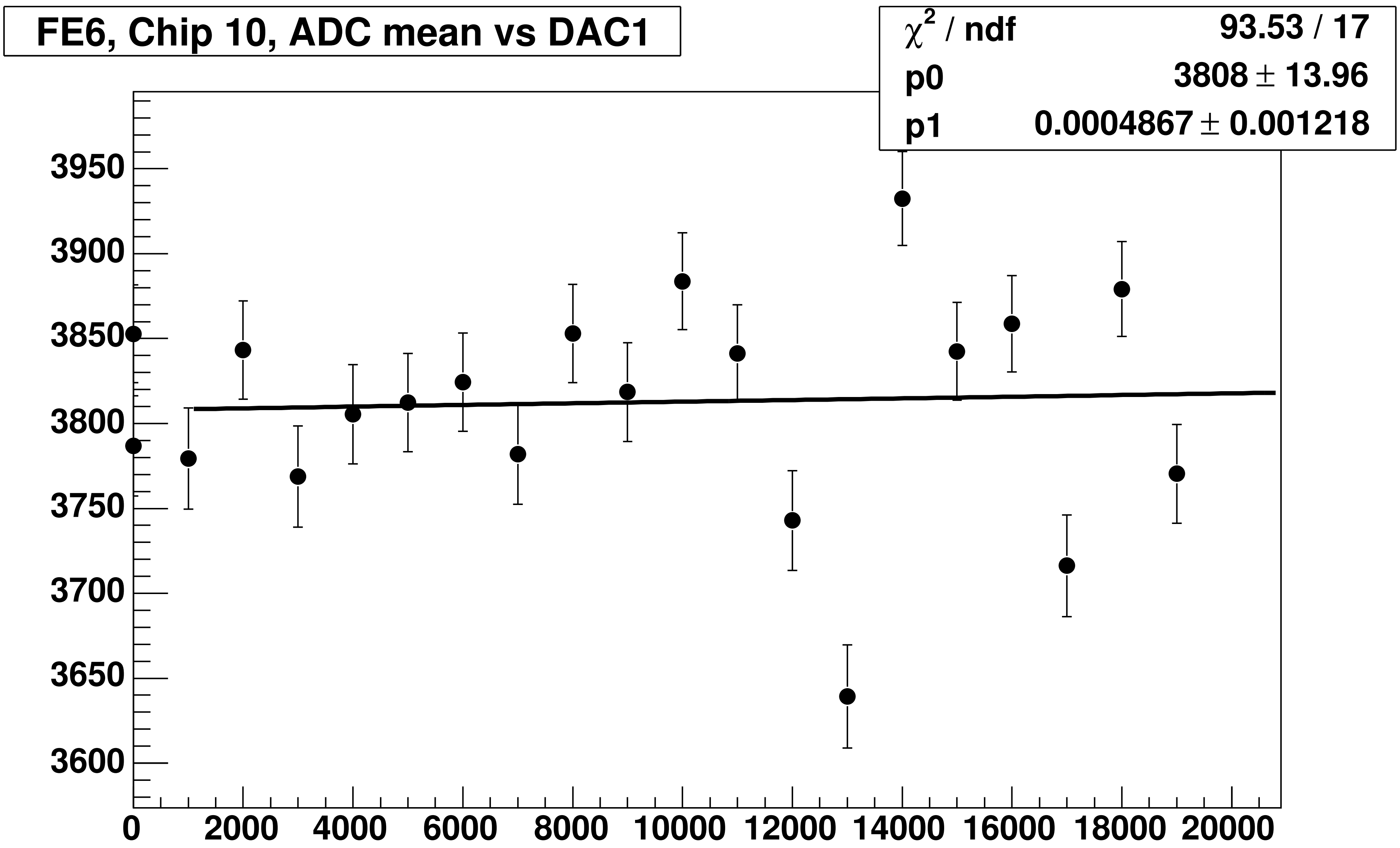

FE6, Chip 10, ADC mean vs DAC0
χ2 / ndf 48.25 / 17
p0 3830 ± 13.77
p1 -0.00303 ± 0.001205
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



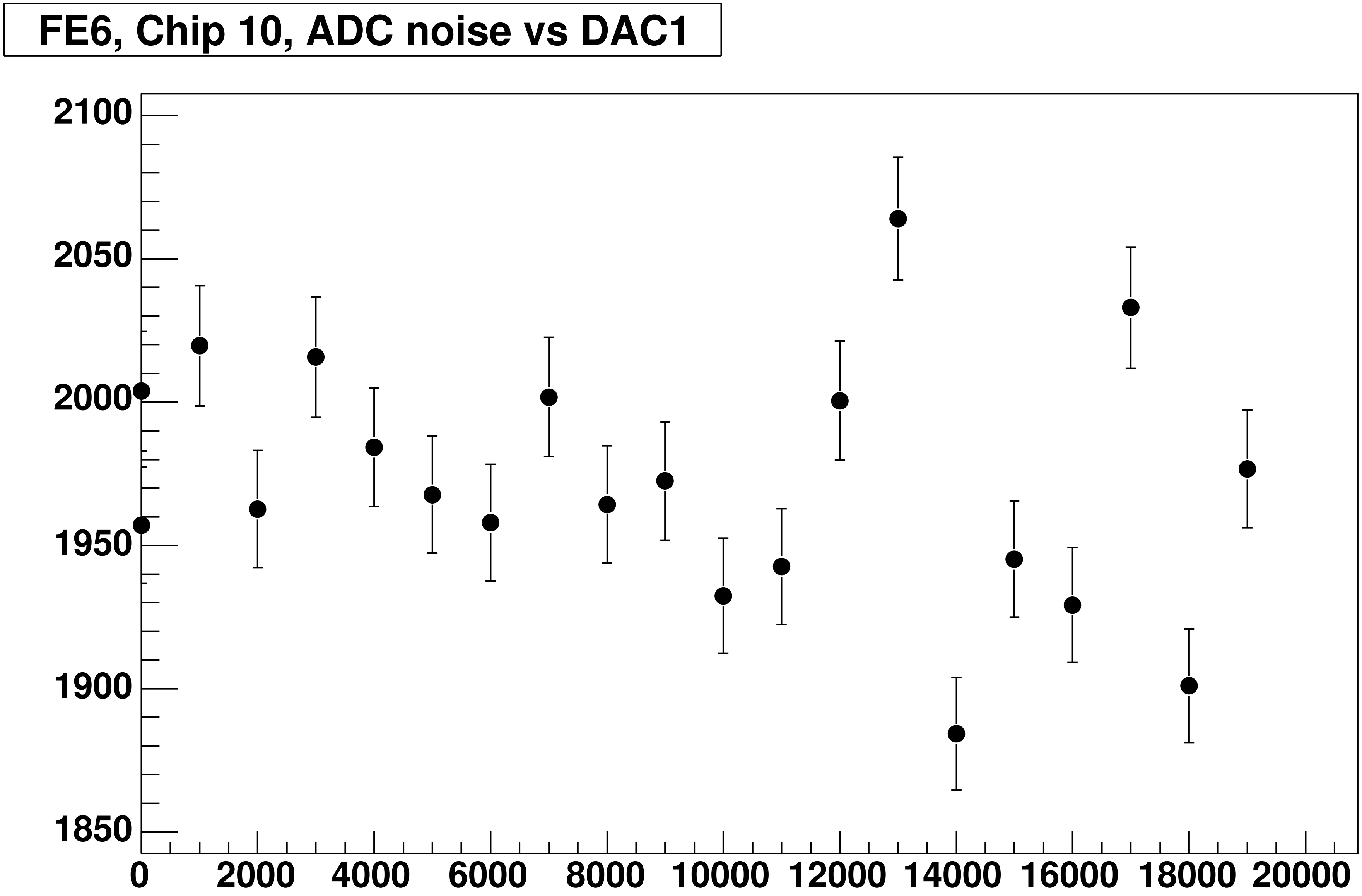
FE6, Chip 10, ADC noise vs DAC0
1850
1900
1950
2000
2050
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

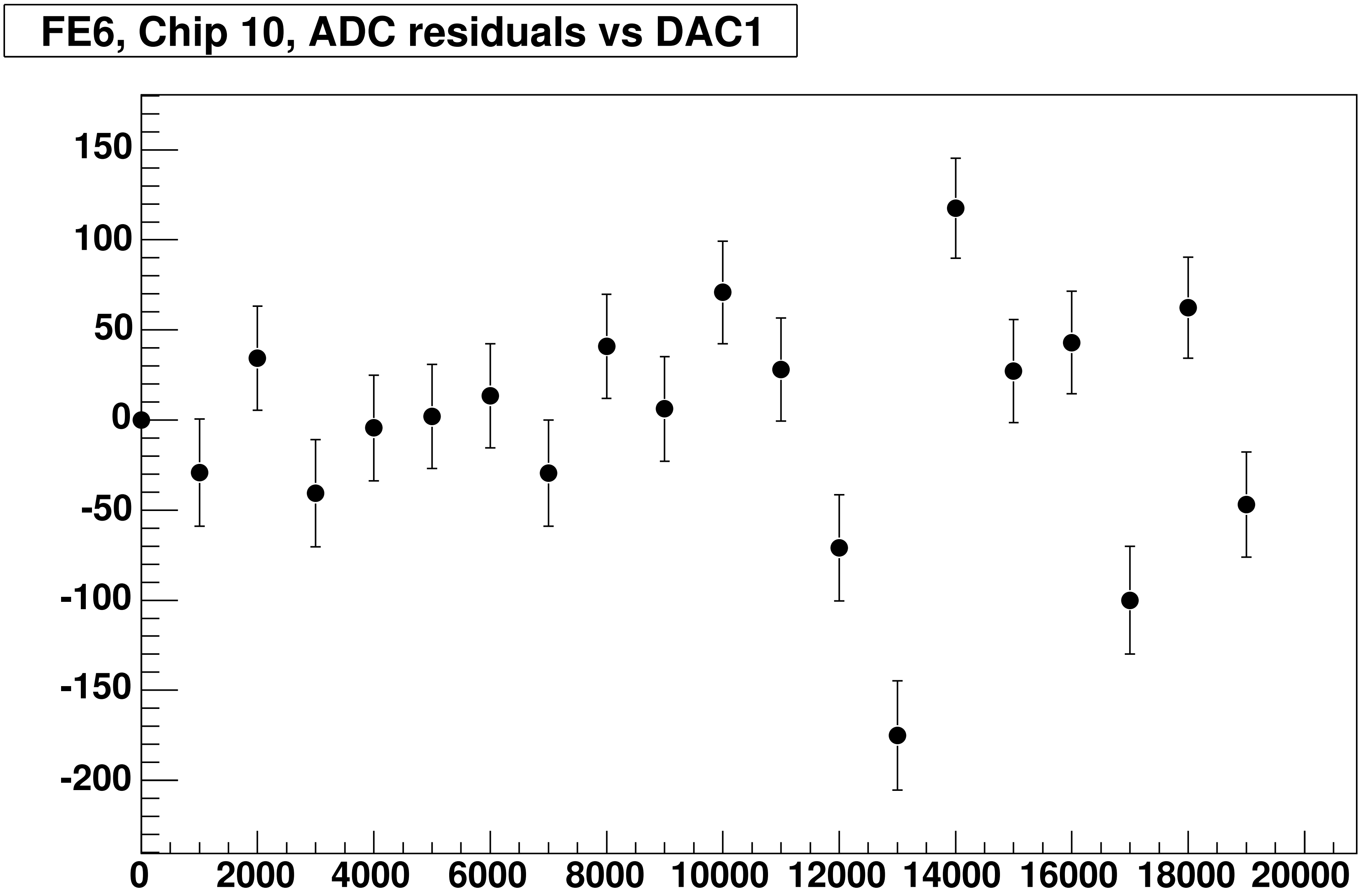


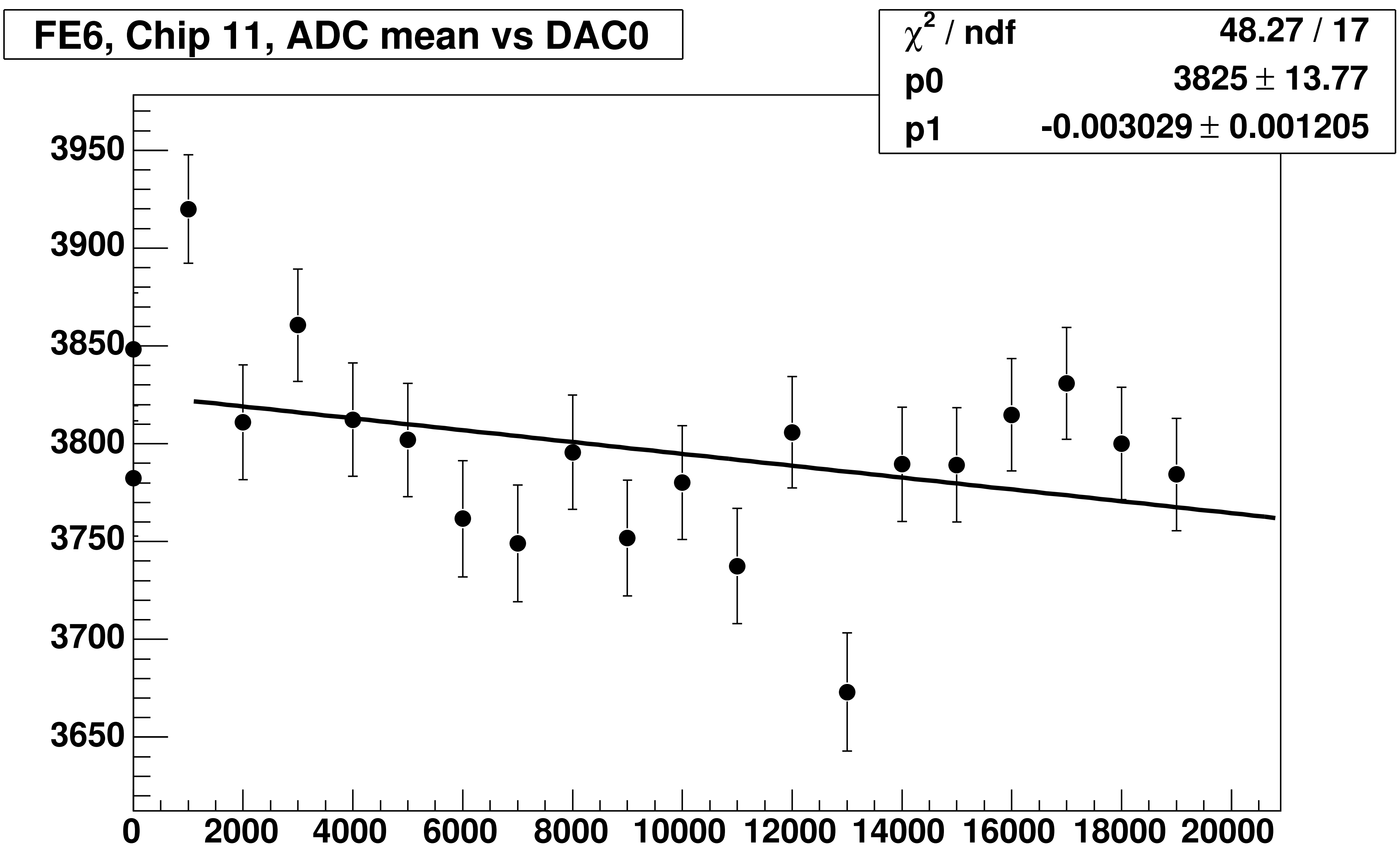
FE6, Chip 10, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



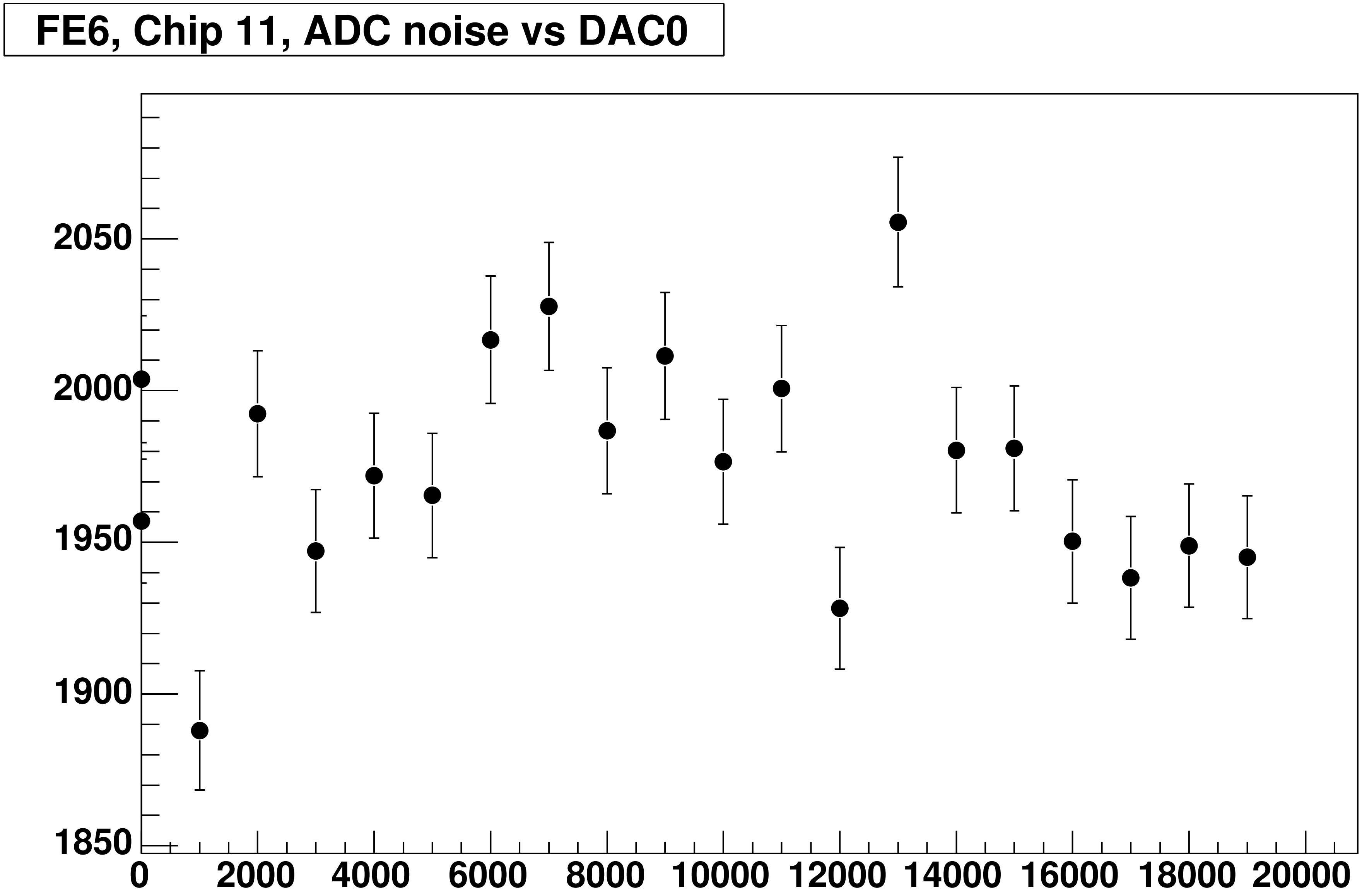
FE6, Chip 10, ADC mean vs DAC1
χ^2 / ndf 93.53 / 17
p0 3808 ± 13.96
p1 0.0004867 ± 0.001218
3950
3900
3850
3800
3750
3700
3650
3600
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

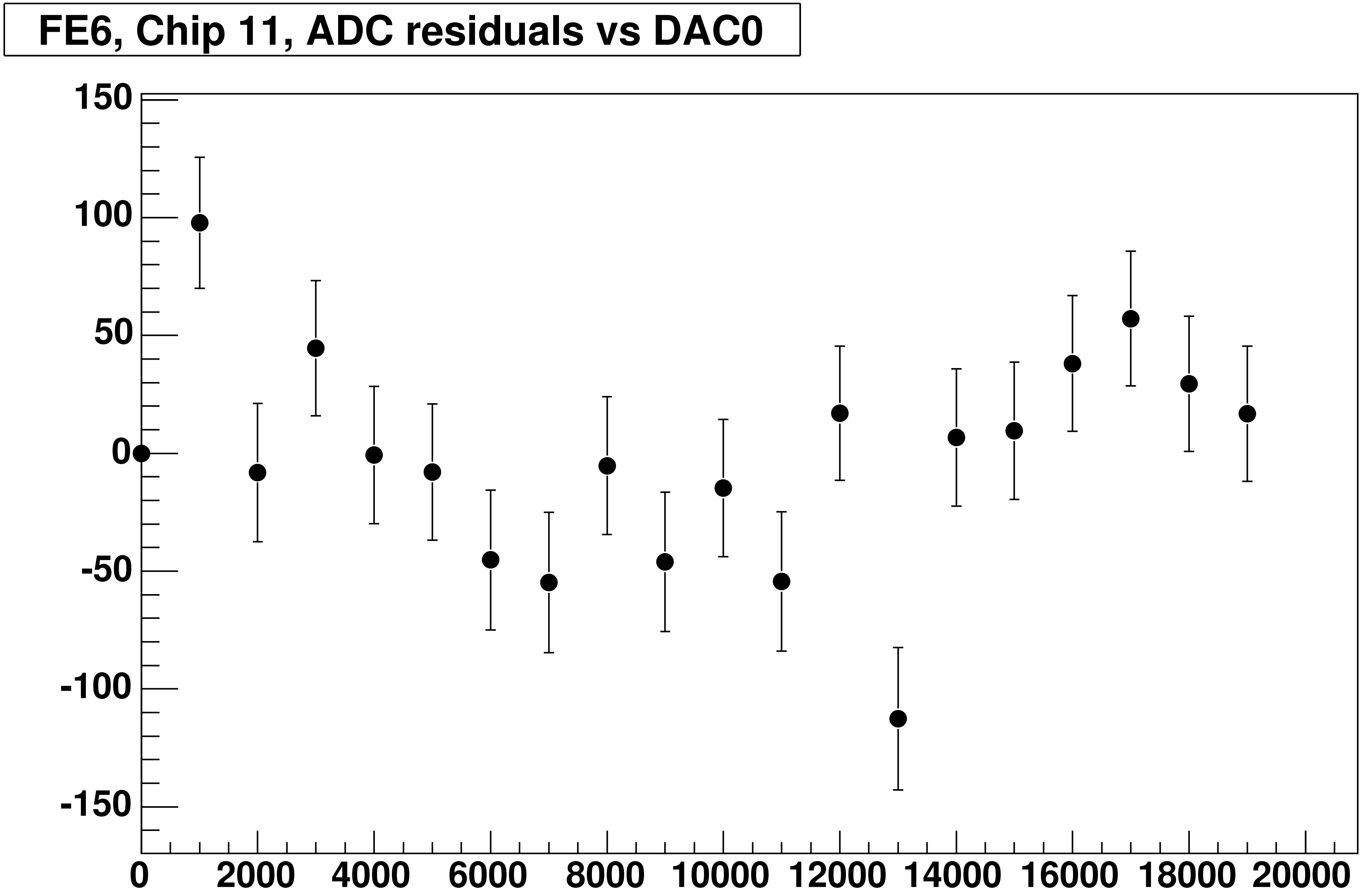

FE6, Chip 10, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

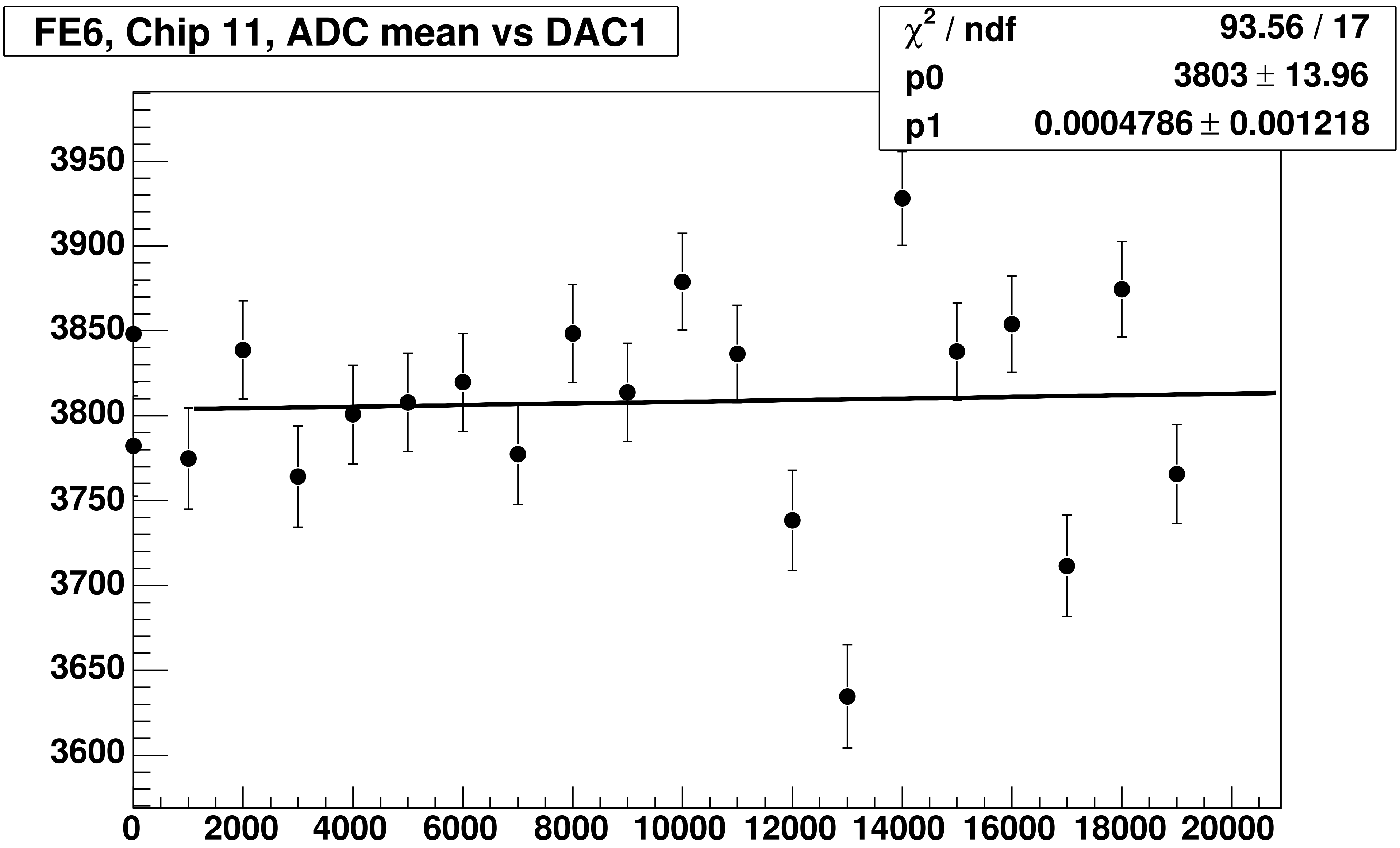

FE6, Chip 10, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

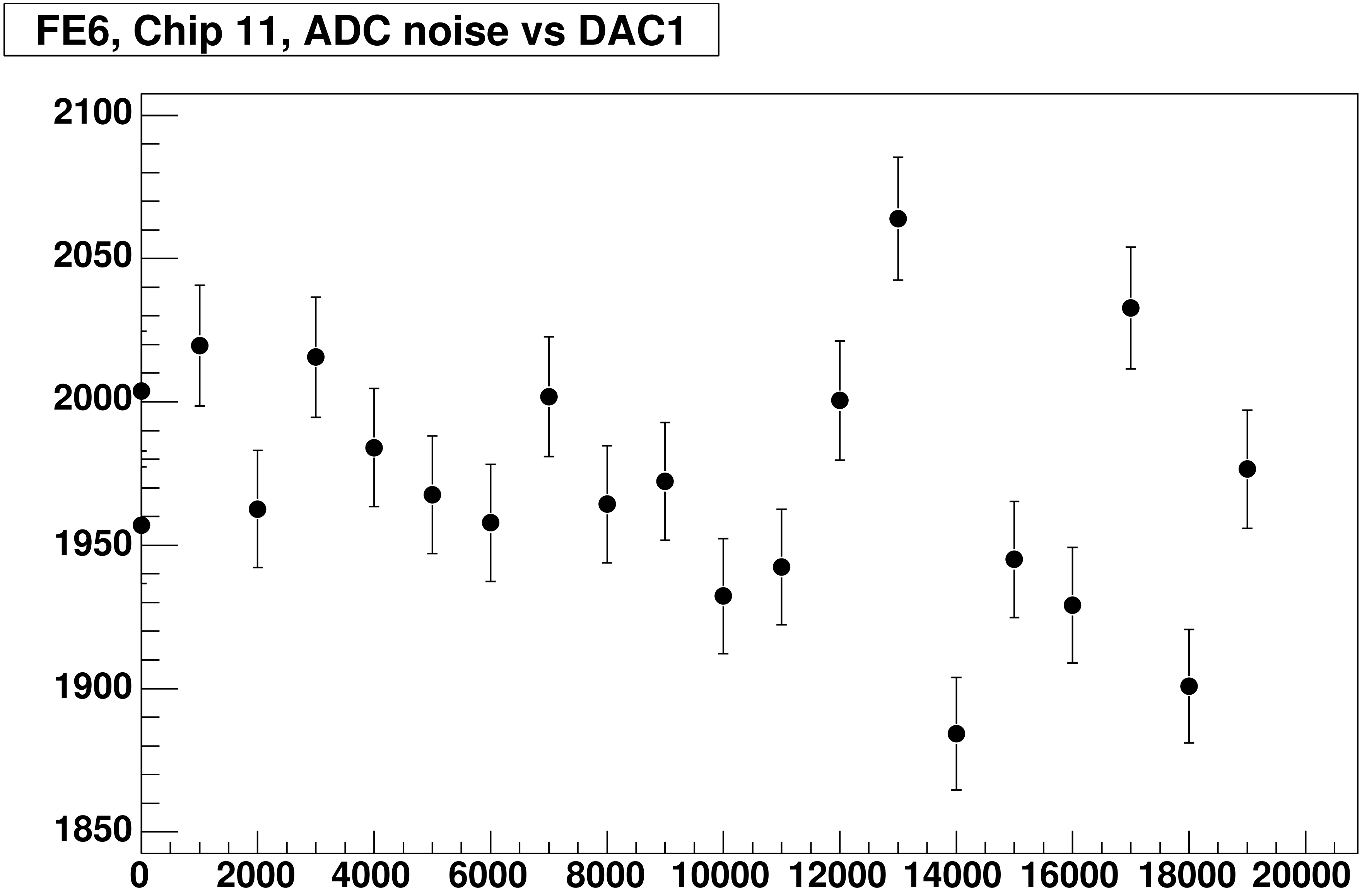


FE6, Chip 11, ADC mean vs DAC0
χ2 / ndf 48.27 / 17
p0 3825 ± 13.77
p1 -0.003029 ± 0.001205
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

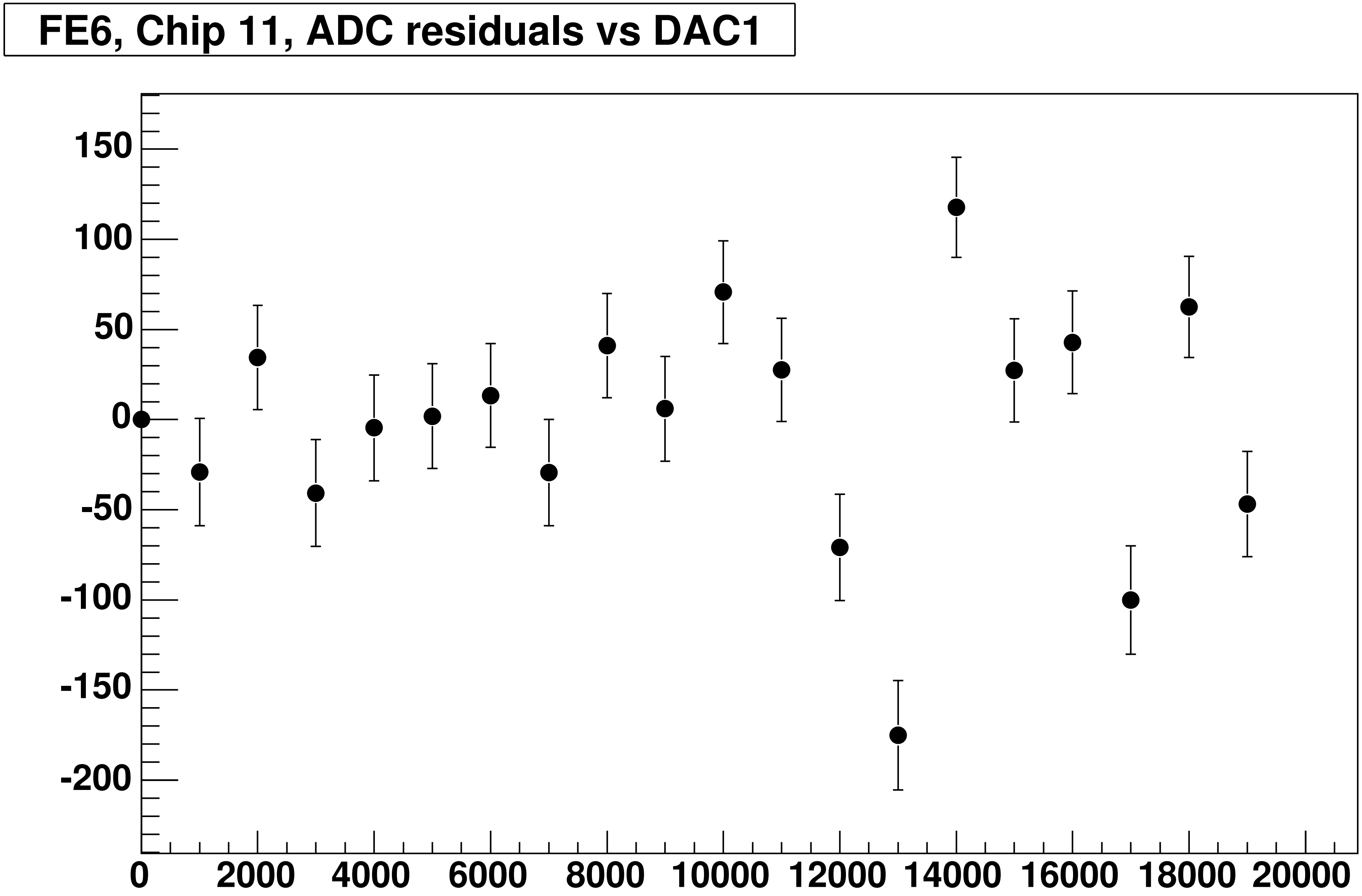

FE6, Chip 11, ADC noise vs DAC0
1850
1900
1950
2000
2050
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 11, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 11, ADC mean vs DAC1
χ^2 / ndf 93.56 / 17
p0 3803 ± 13.96
p1 0.0004786 ± 0.001218
3600
3650
3700
3750
3800
3850
3900
3950
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE6, Chip 11, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE6, Chip 11, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
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10000
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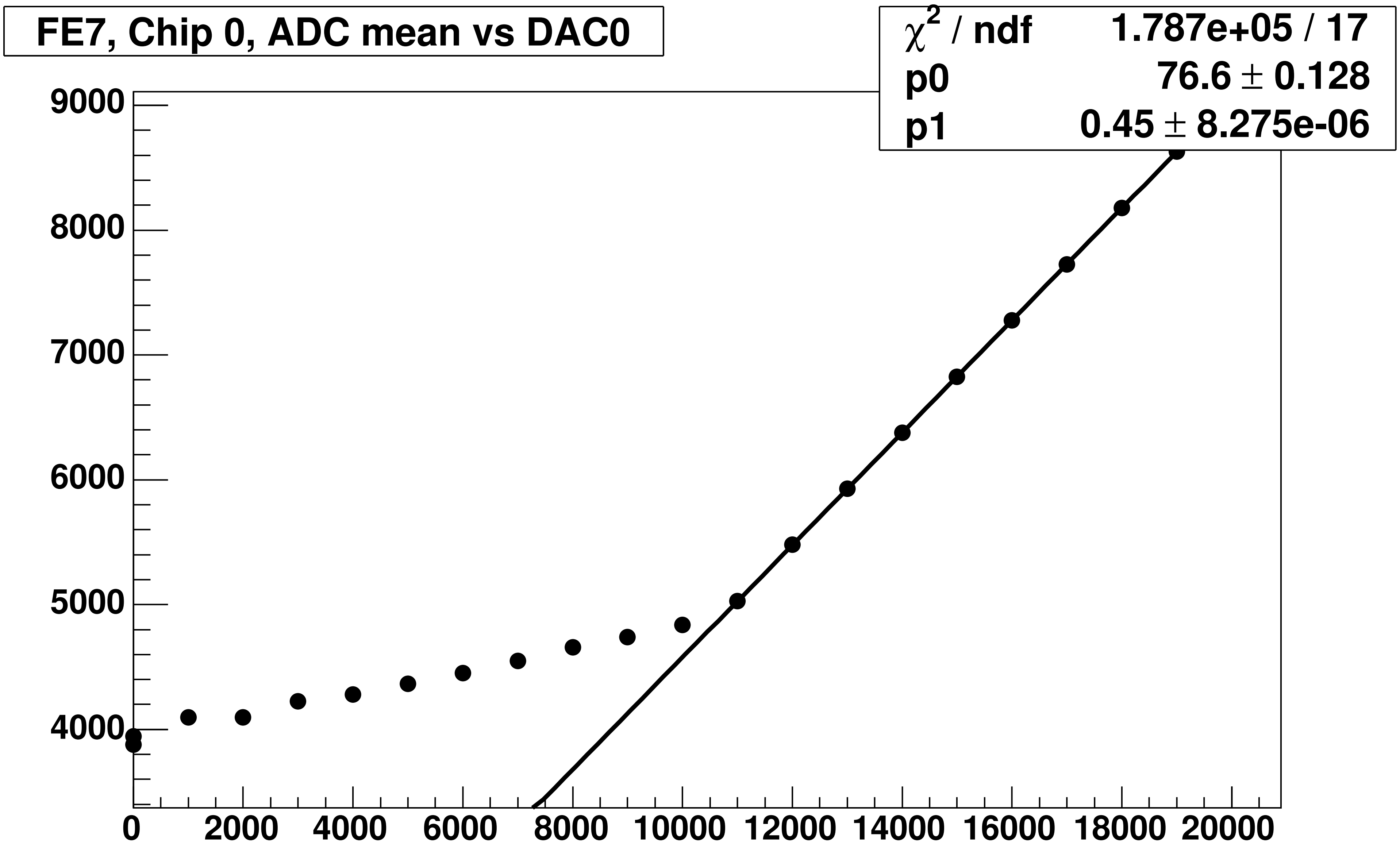
16000
18000
20000



FE7, Chip 0, ADC mean vs DAC0
χ^2 / ndf 1.787e+05 / 17
p0 76.6 ± 0.128
p1 0.45 ± 8.275e-06
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7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
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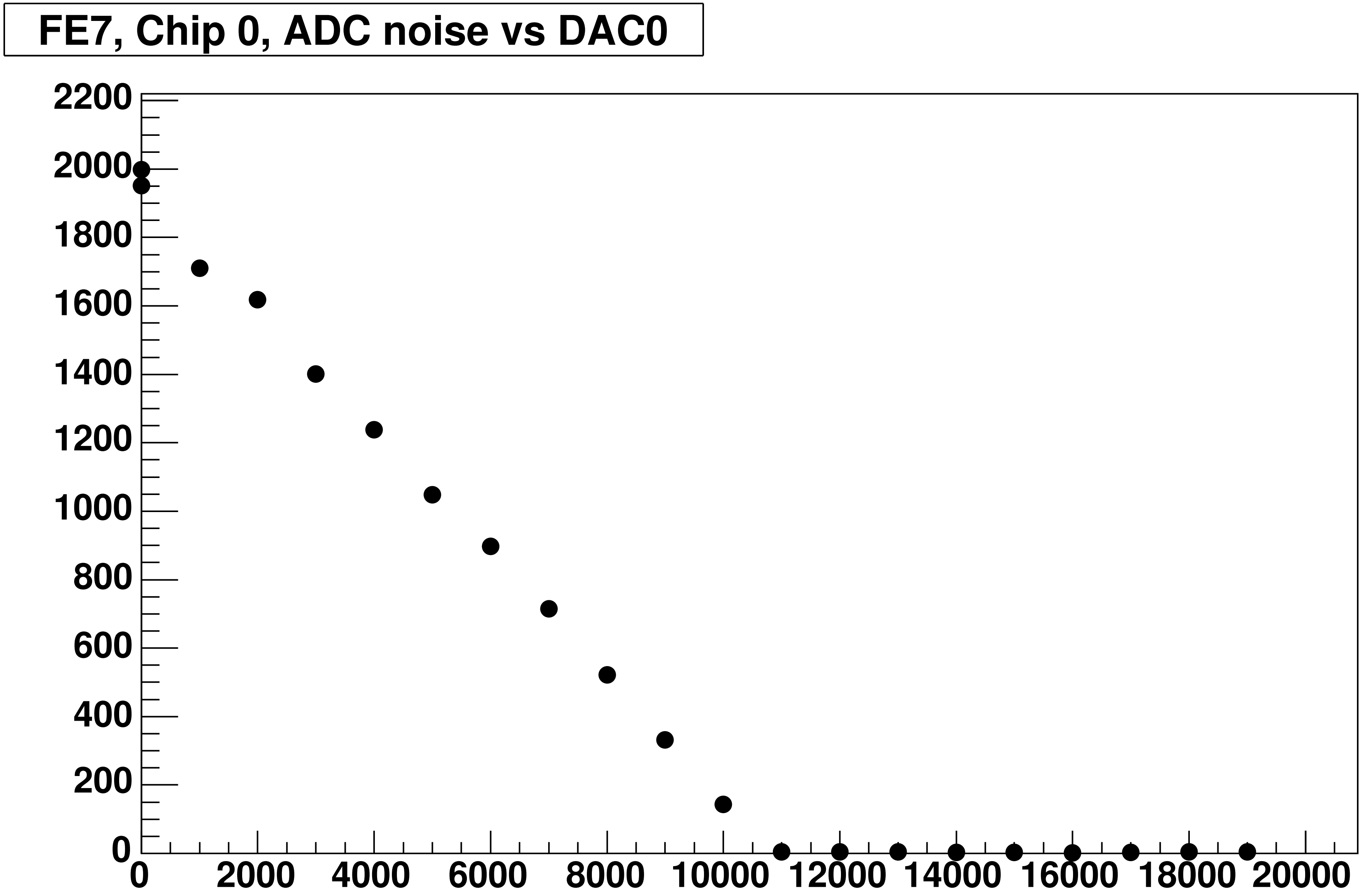
18000
20000


FE7, Chip 0, ADC noise vs DAC0
2200
2000
1800
1600
1400
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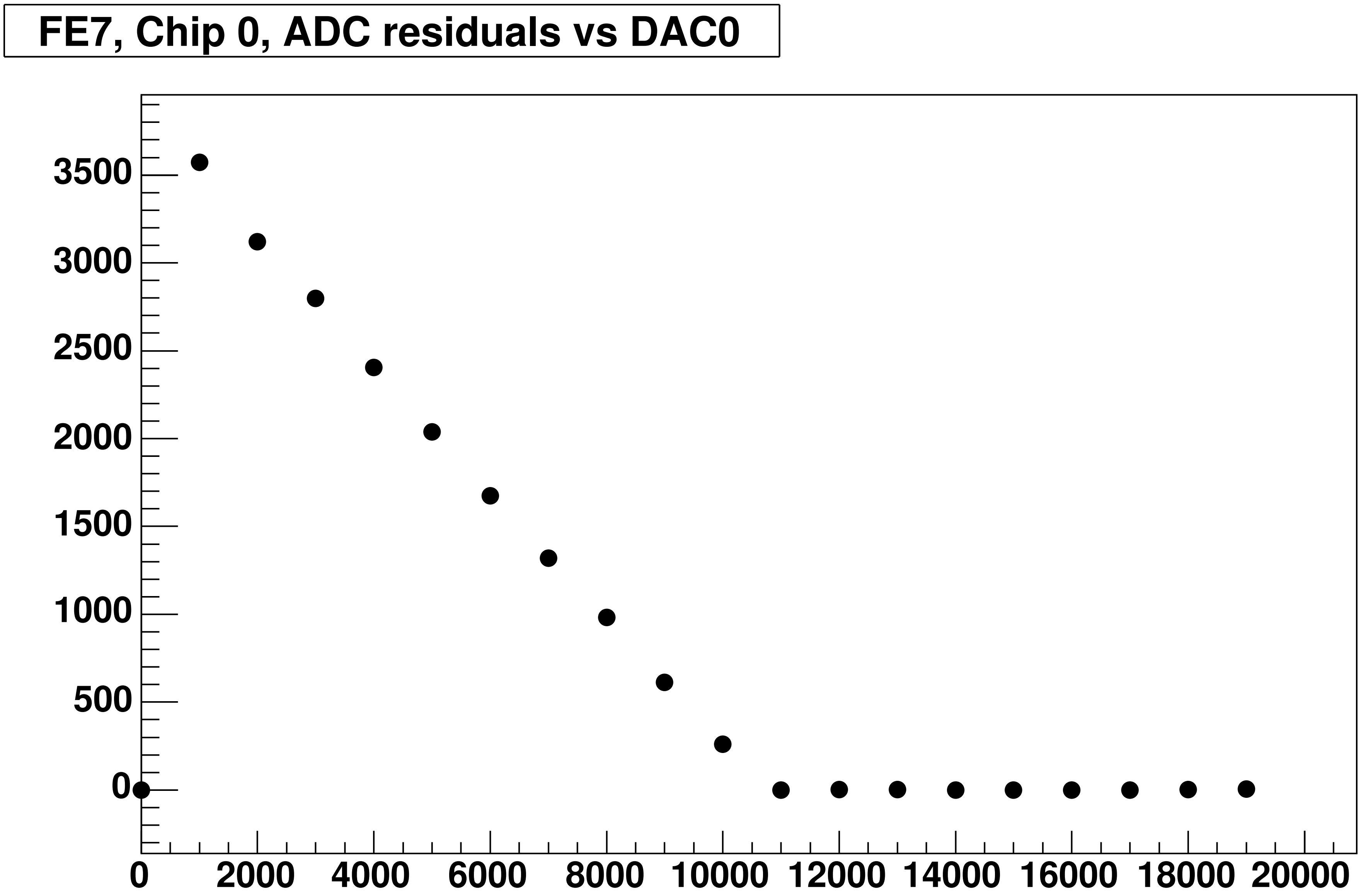
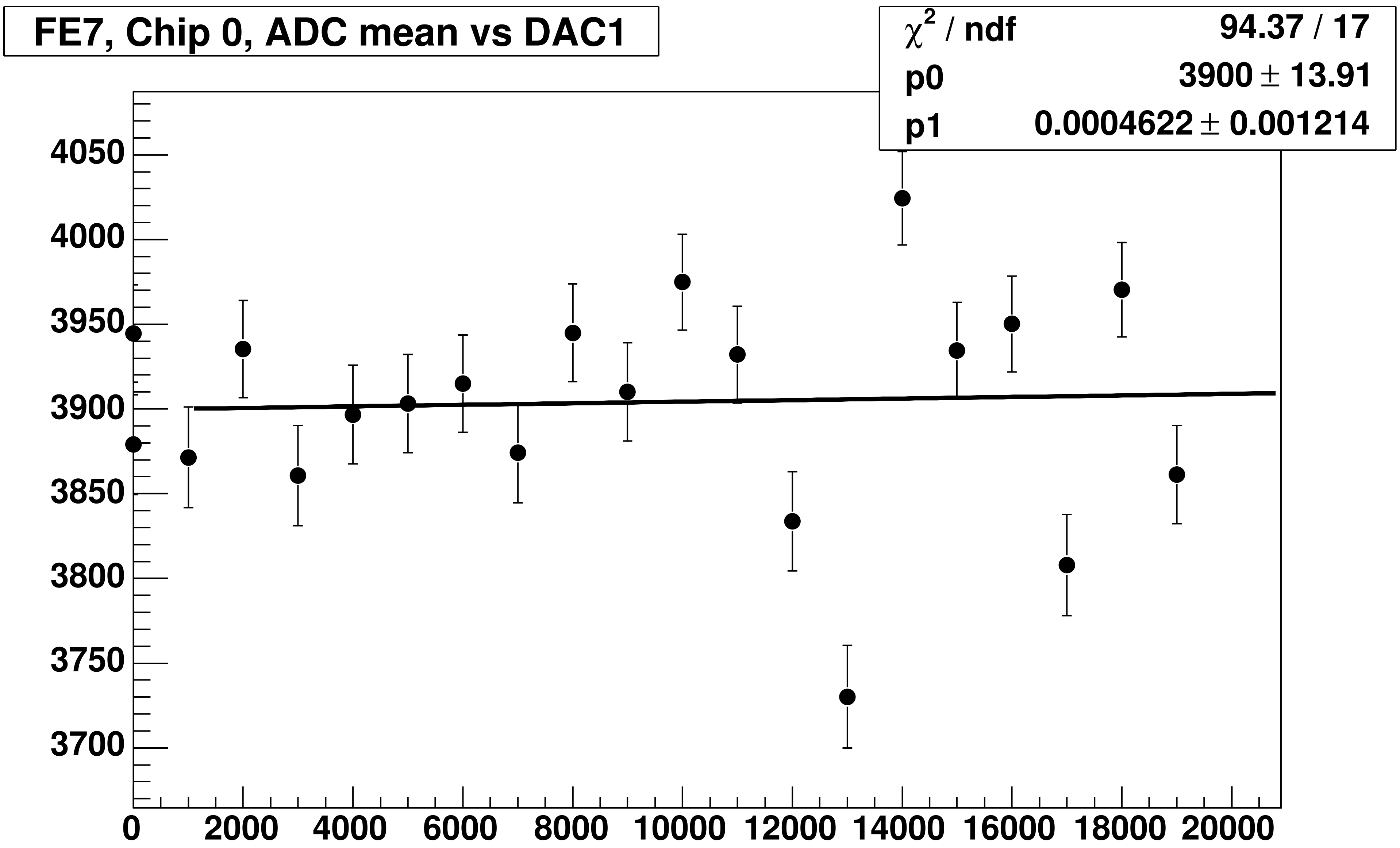
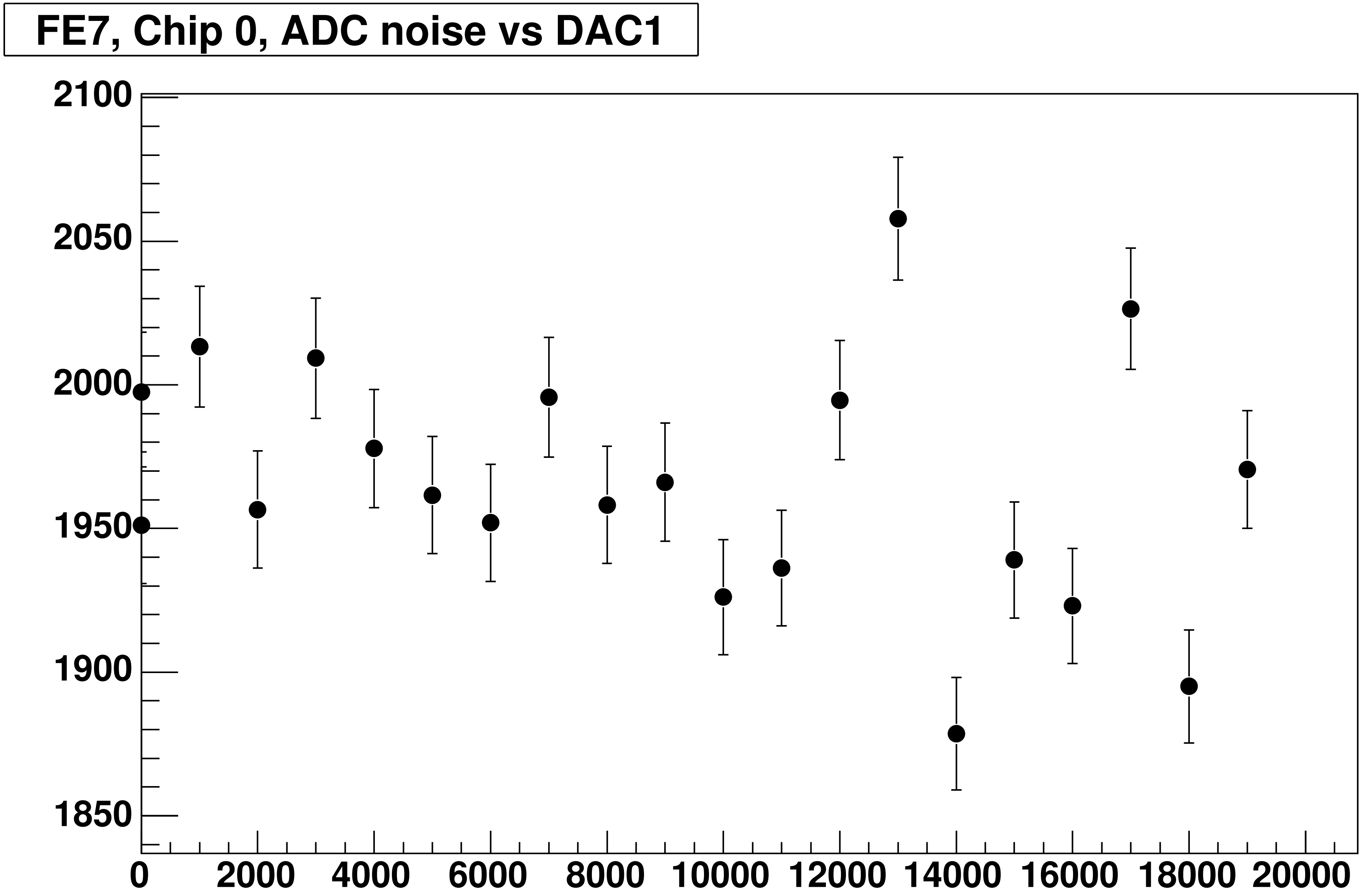
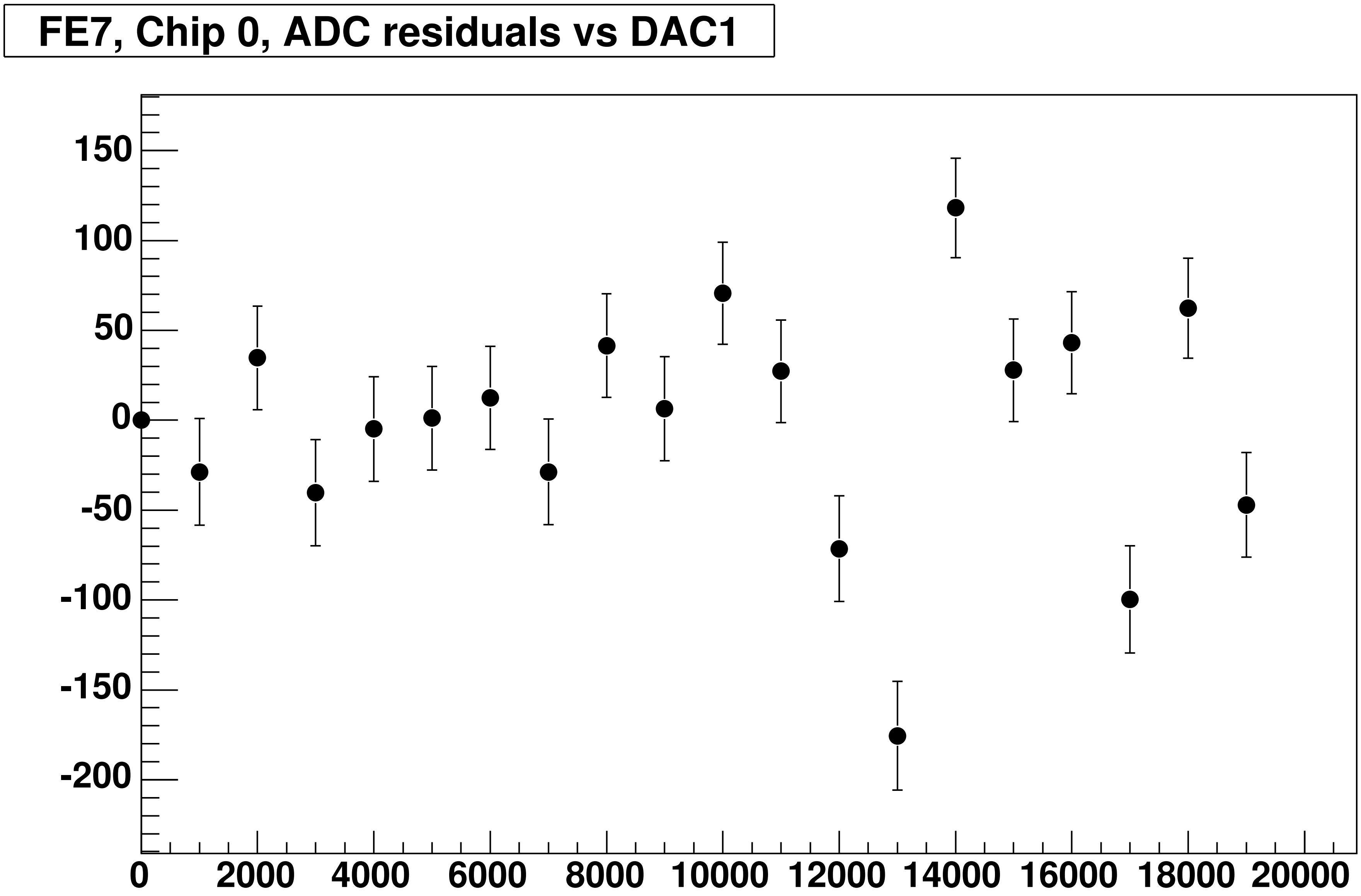
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



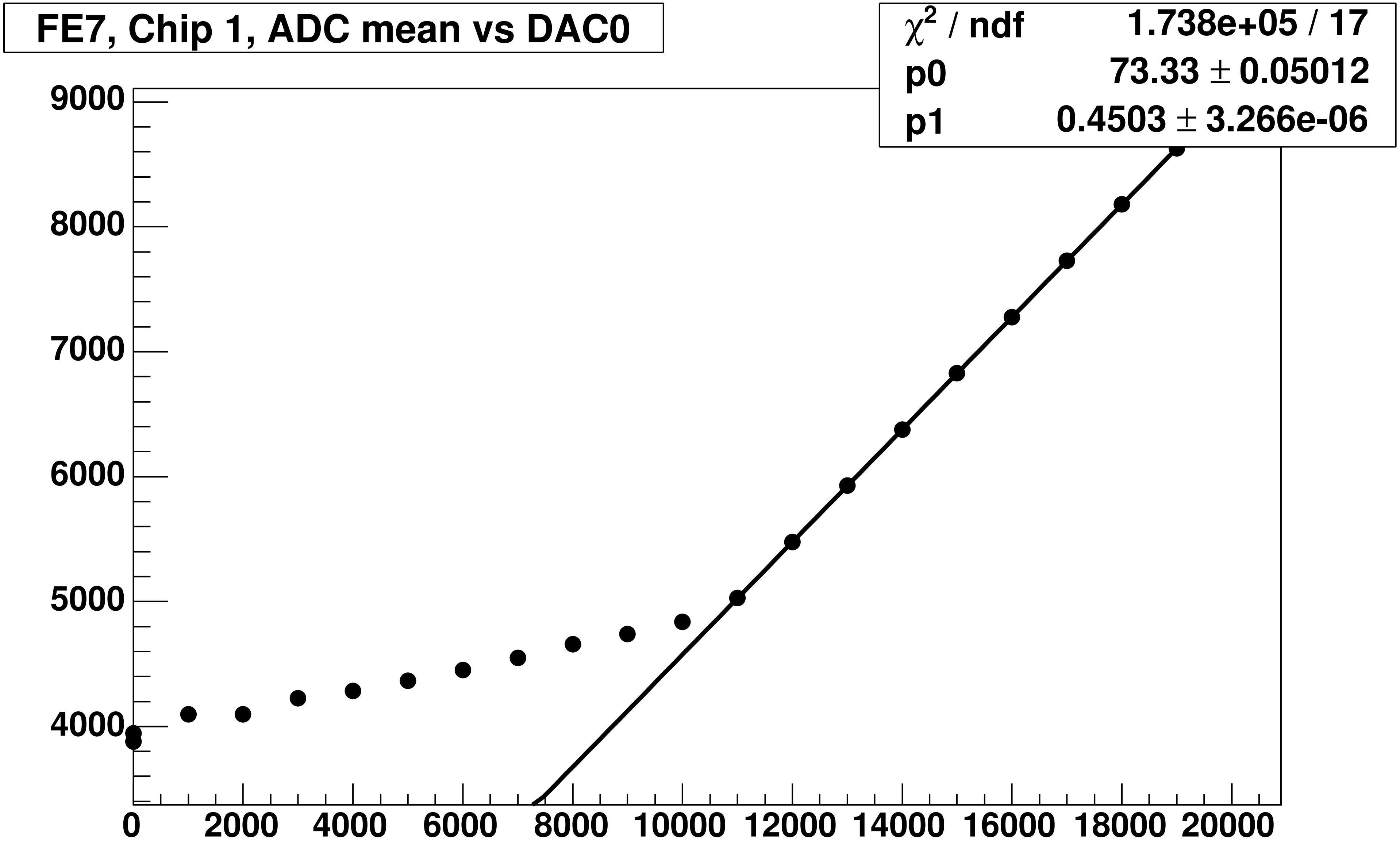
FE7, Chip 0, ADC residuals vs DAC0
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 0, ADC mean vs DAC1
χ^2 / ndf 94.37 / 17
p0 3900 ± 13.91
p1 0.0004622 ± 0.001214
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 0, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 0, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 1, ADC mean vs DAC0
χ^2 / ndf 1.738e+05 / 17
p0 73.33 ± 0.05012
p1 0.4503 ± 3.266e-06
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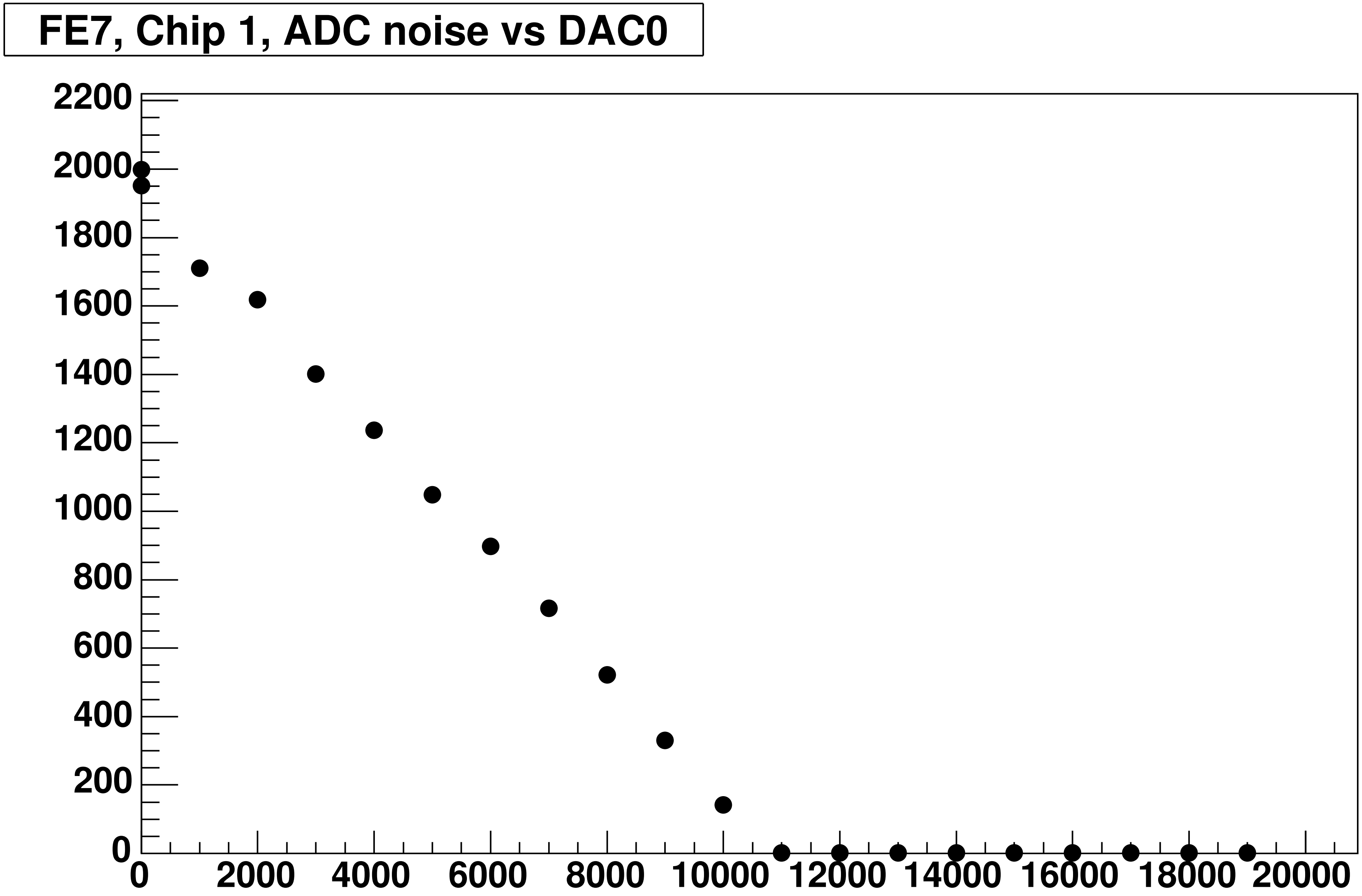
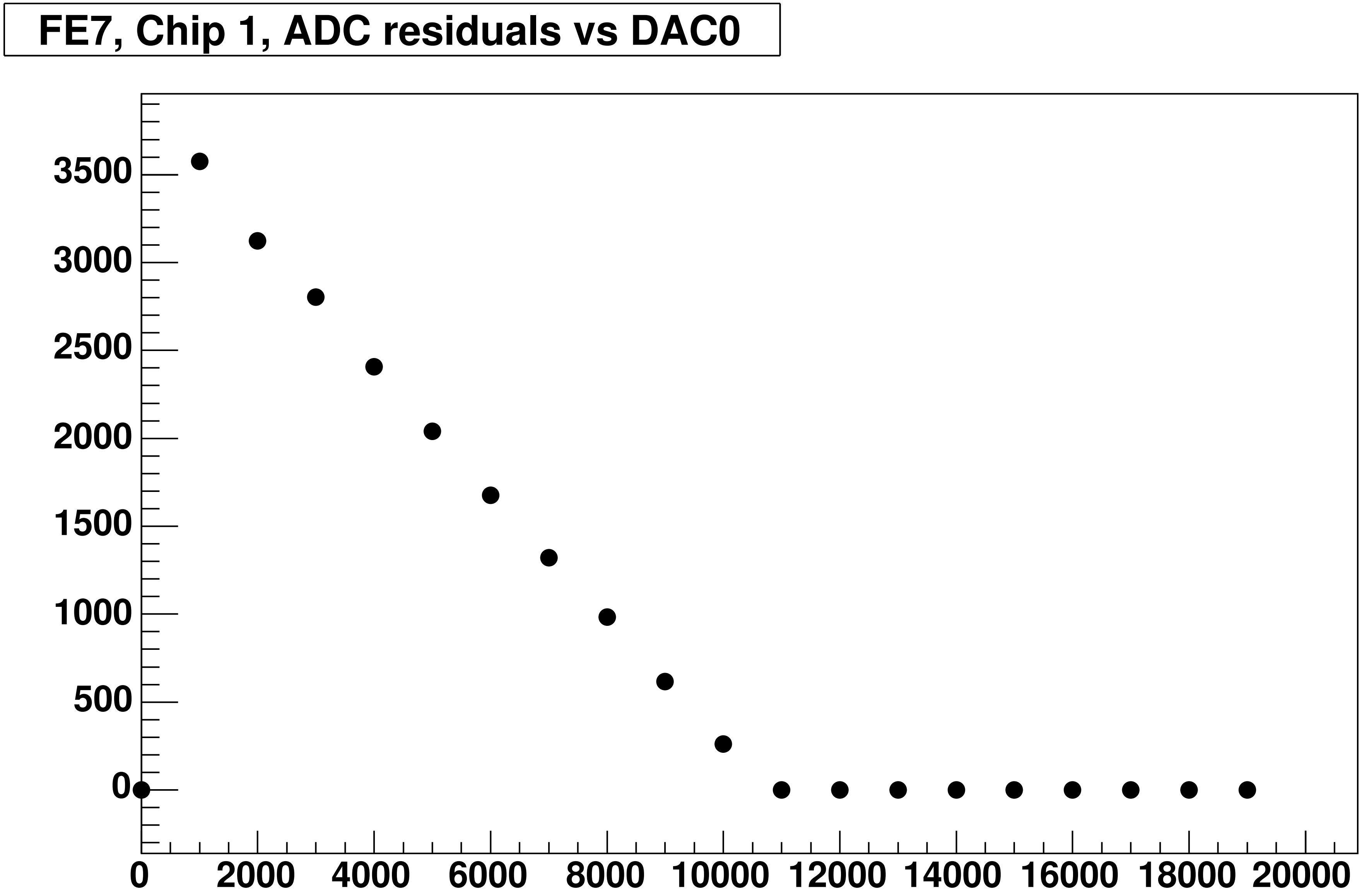
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 1, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 1, ADC residuals vs DAC0
3500
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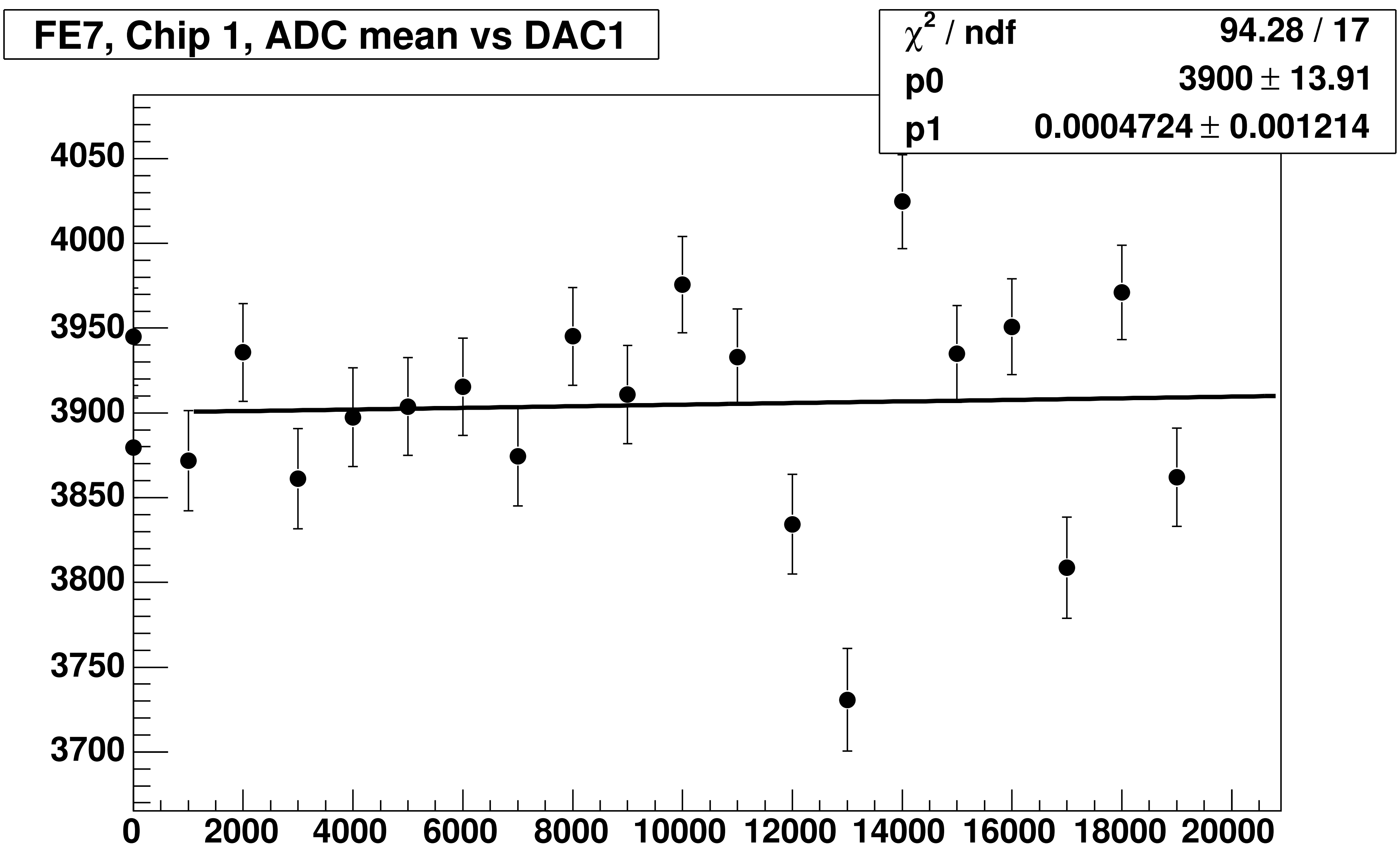
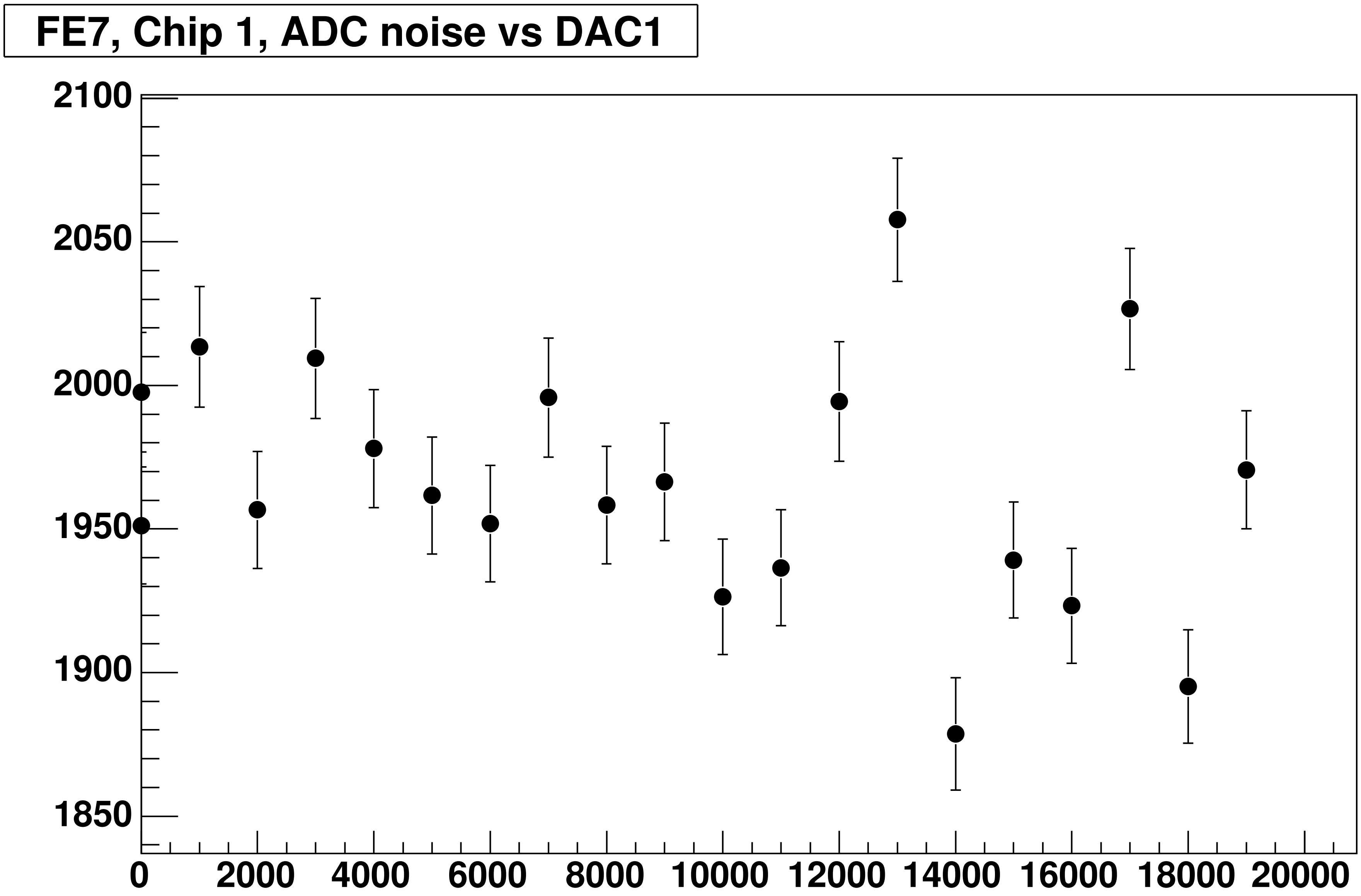
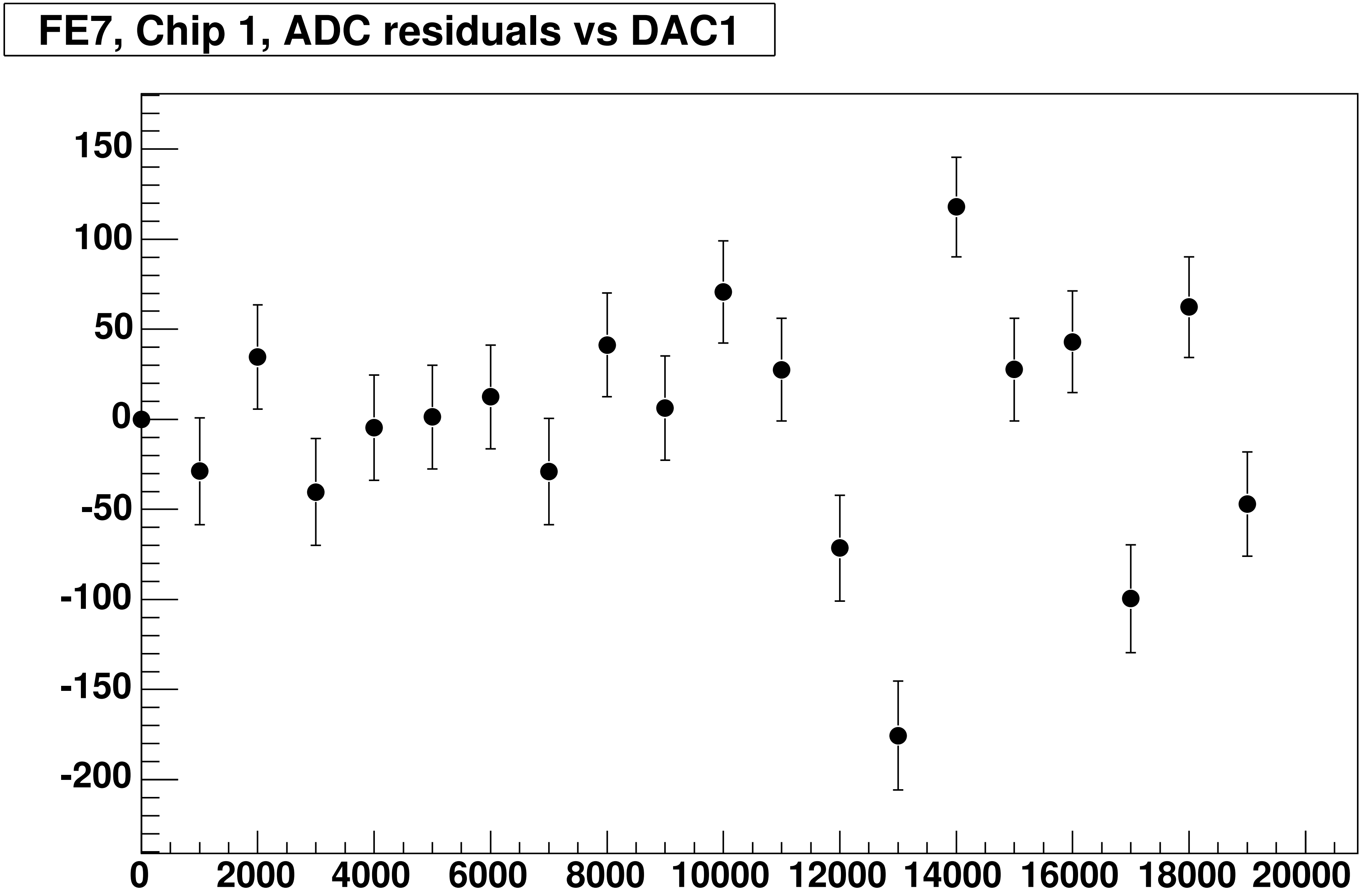
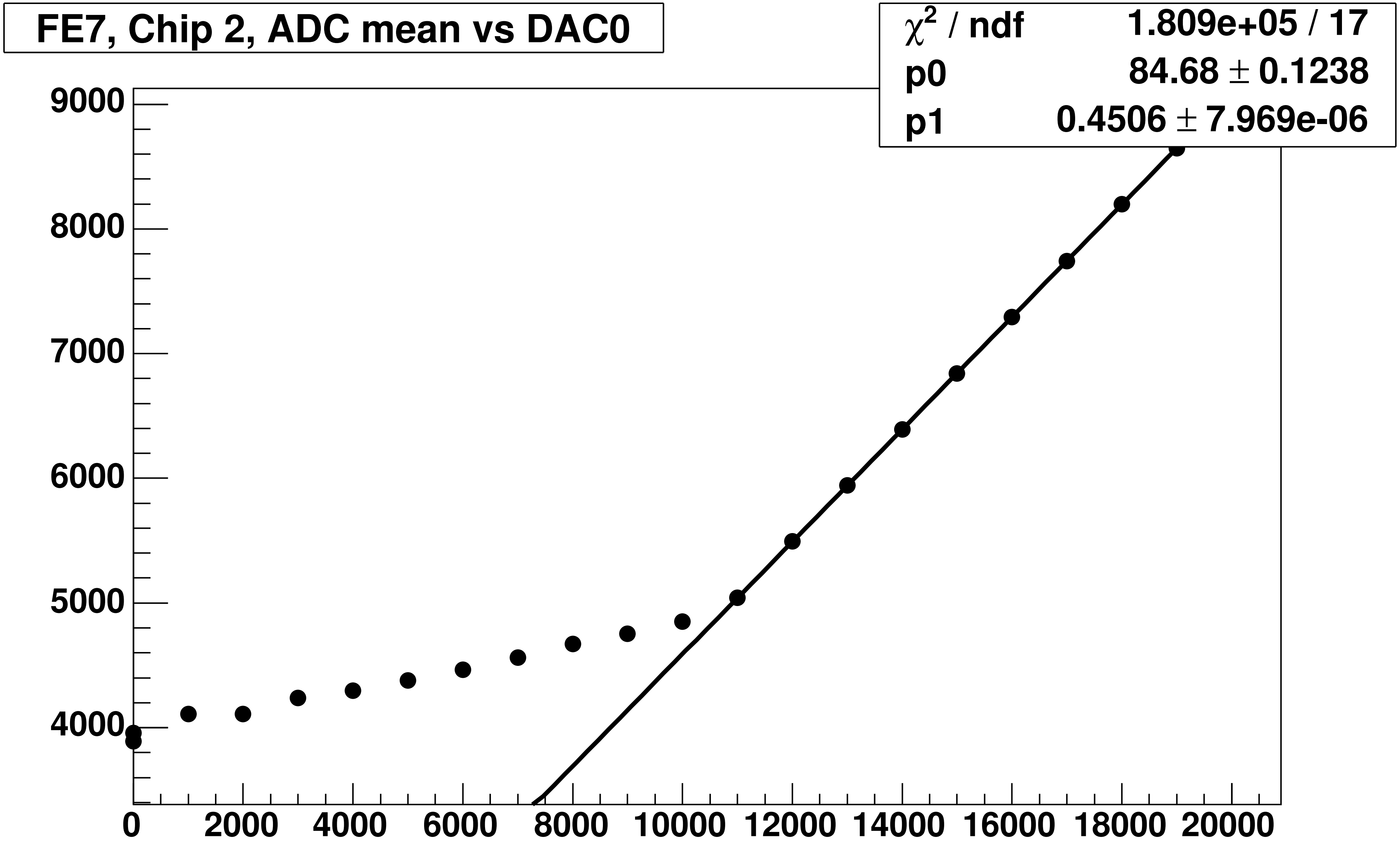
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 1, ADC mean vs DAC1
χ^2 / ndf 94.28 / 17
p0 3900 ± 13.91
p1 0.0004724 ± 0.001214
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 1, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 1, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 2, ADC mean vs DAC0
χ^2 / ndf 1.809e+05 / 17
p0 84.68 ± 0.1238
p1 0.4506 ± 7.969e-06
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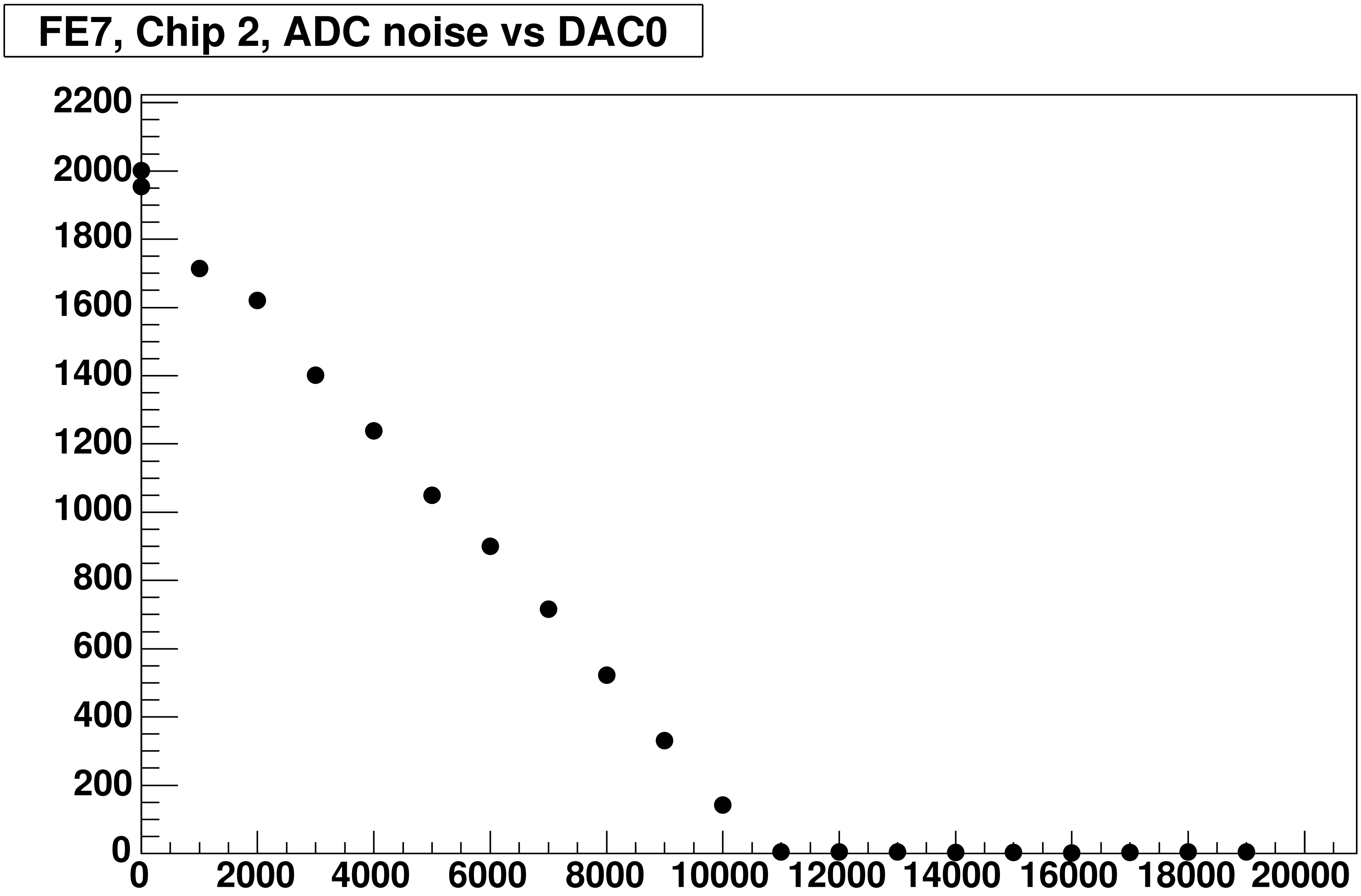
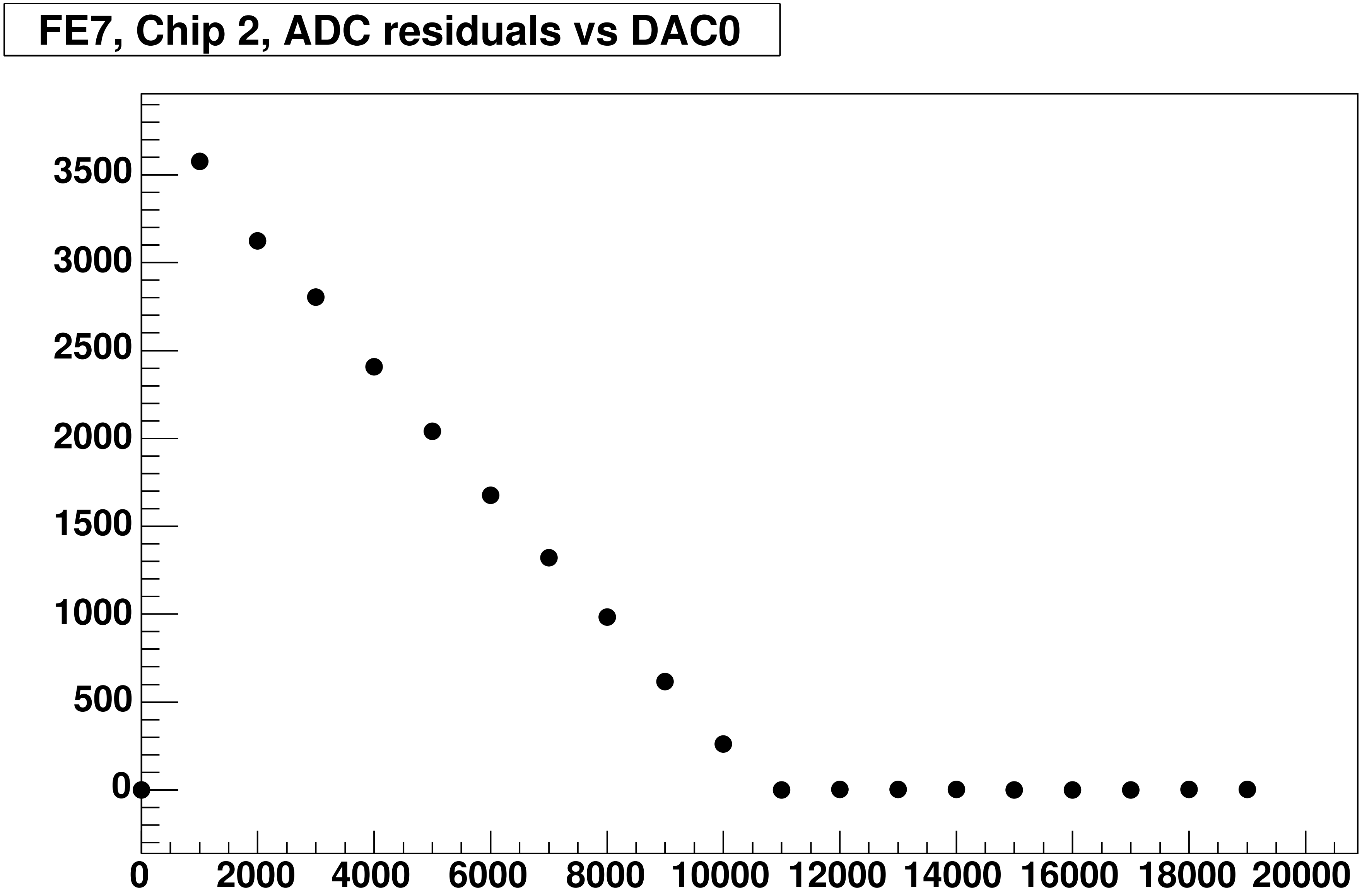
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 2, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 2, ADC residuals vs DAC0
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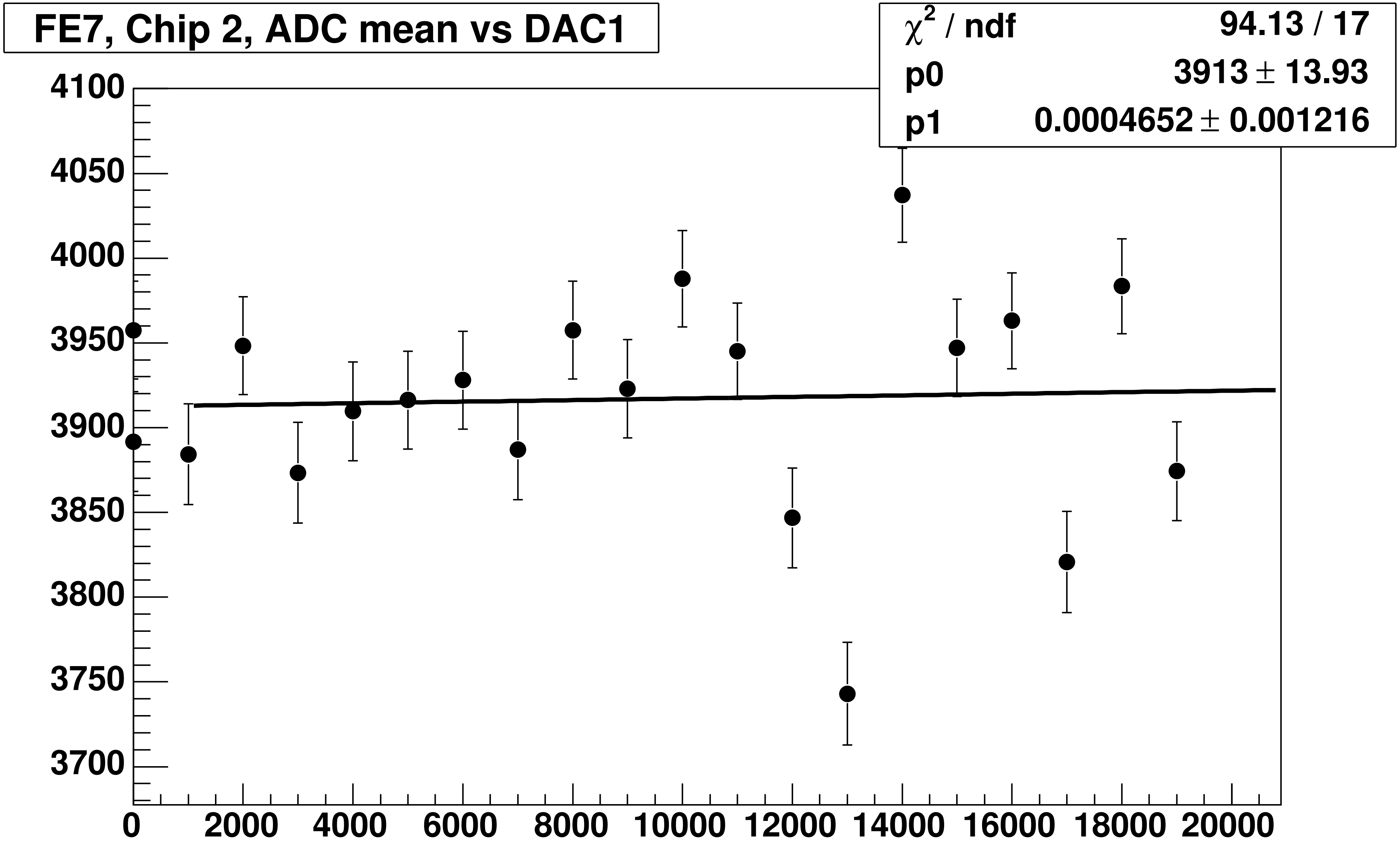
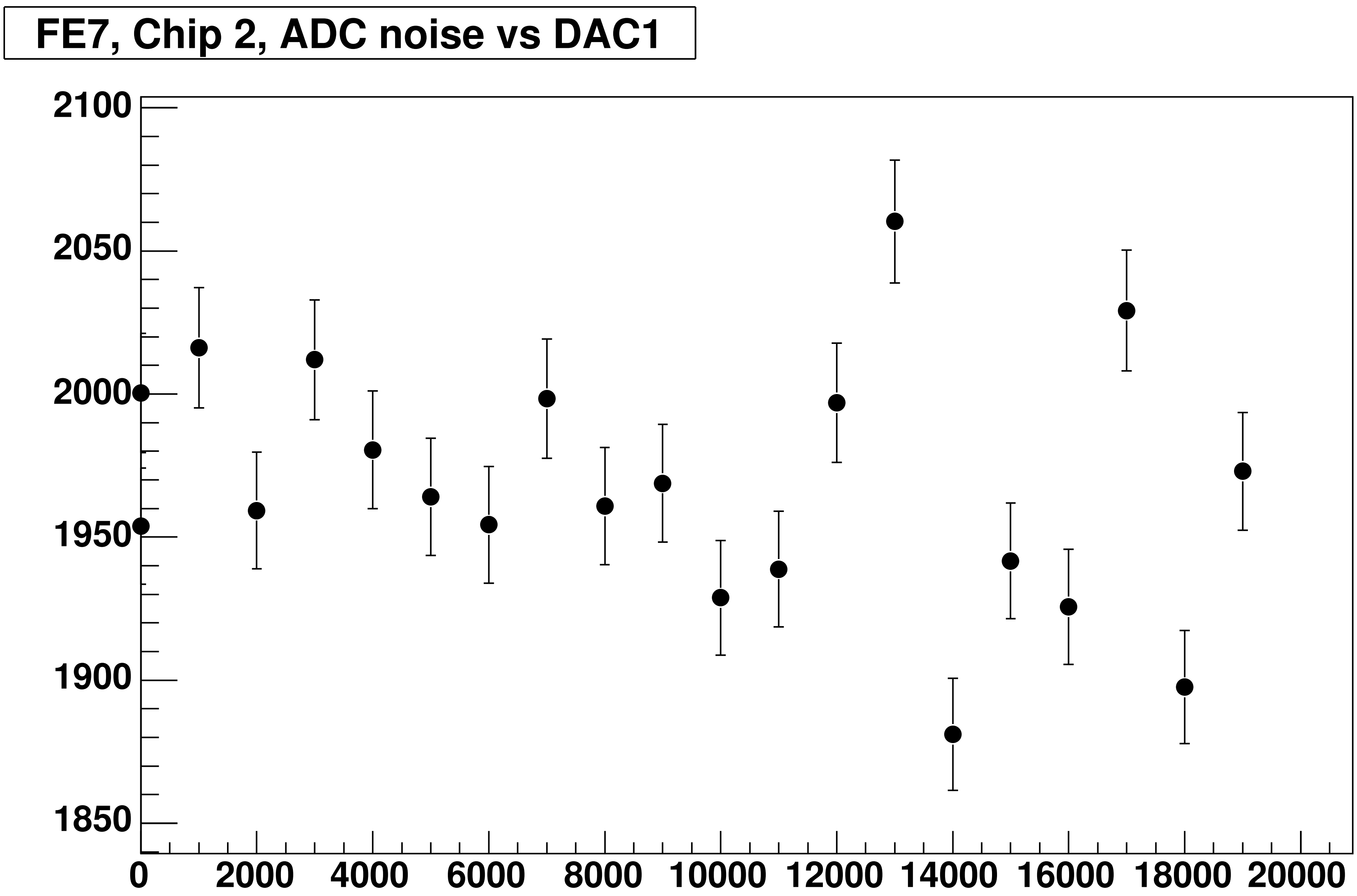
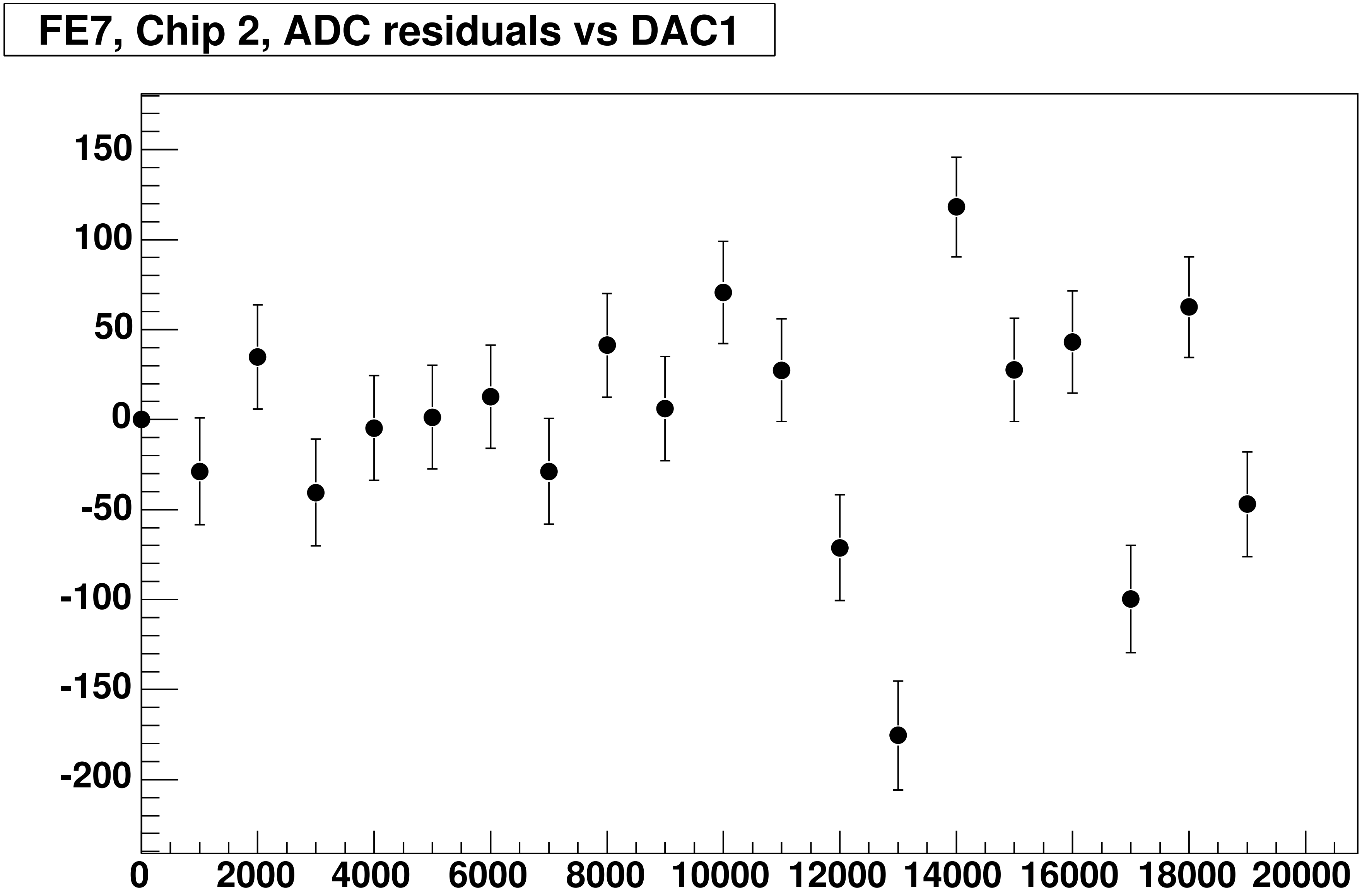
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



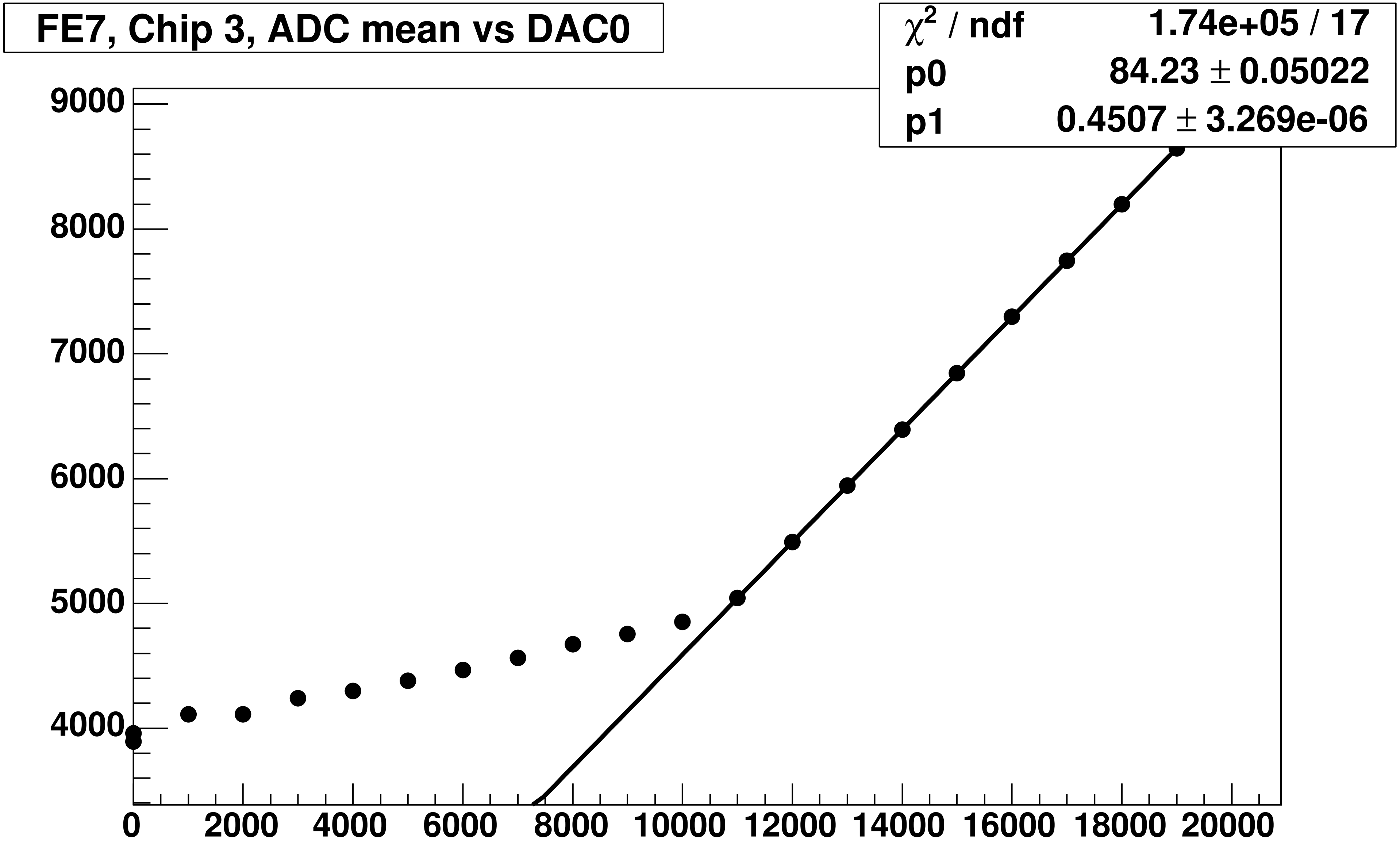
FE7, Chip 2, ADC mean vs DAC1
χ^2 / ndf 94.13 / 17
p0 3913 ± 13.93
p1 0.0004652 ± 0.001216
4100
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 2, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 2, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 3, ADC mean vs DAC0
χ^2 / ndf 1.74e+05 / 17
p0 84.23 ± 0.05022
p1 0.4507 ± 3.269e-06
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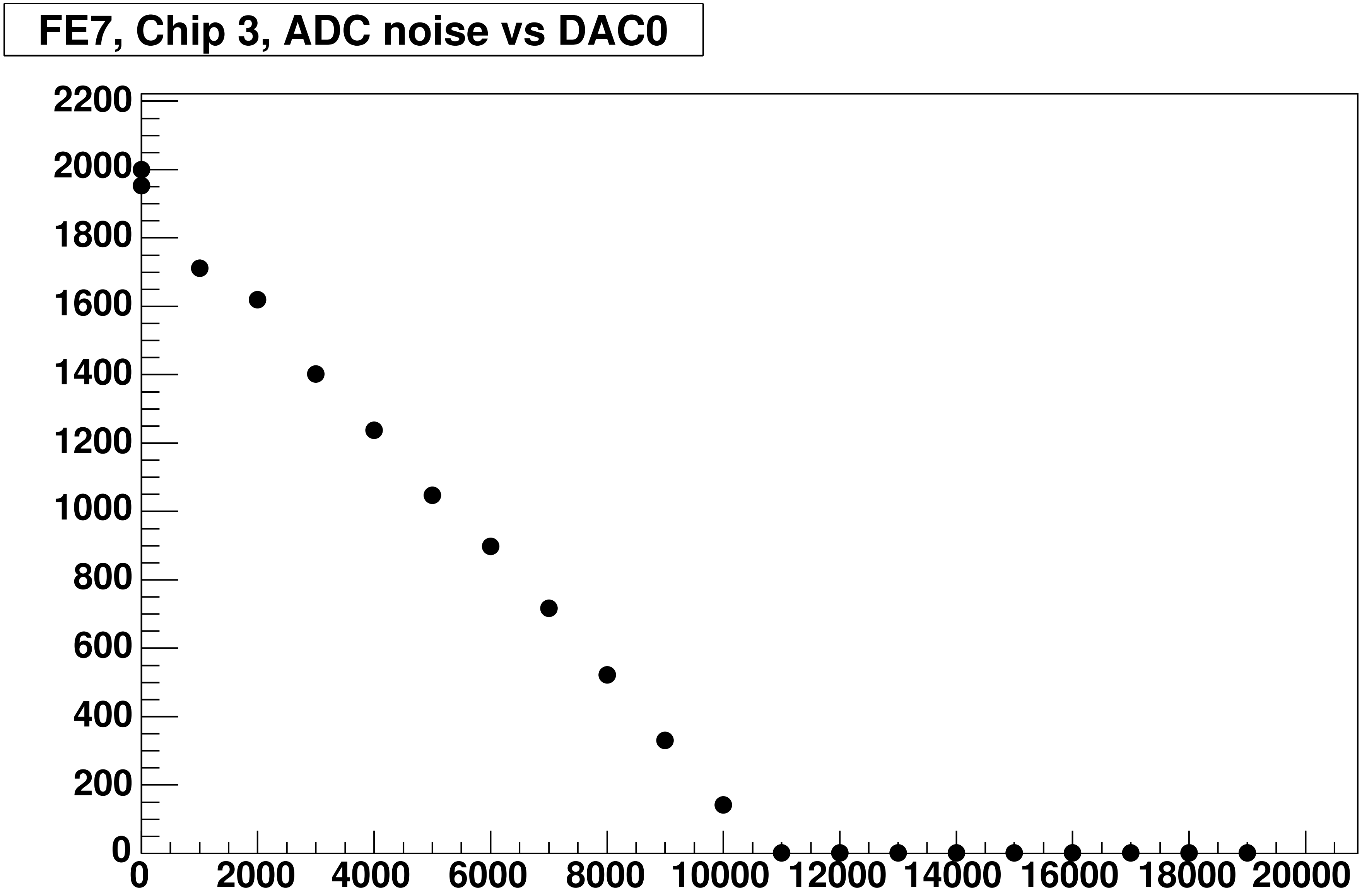
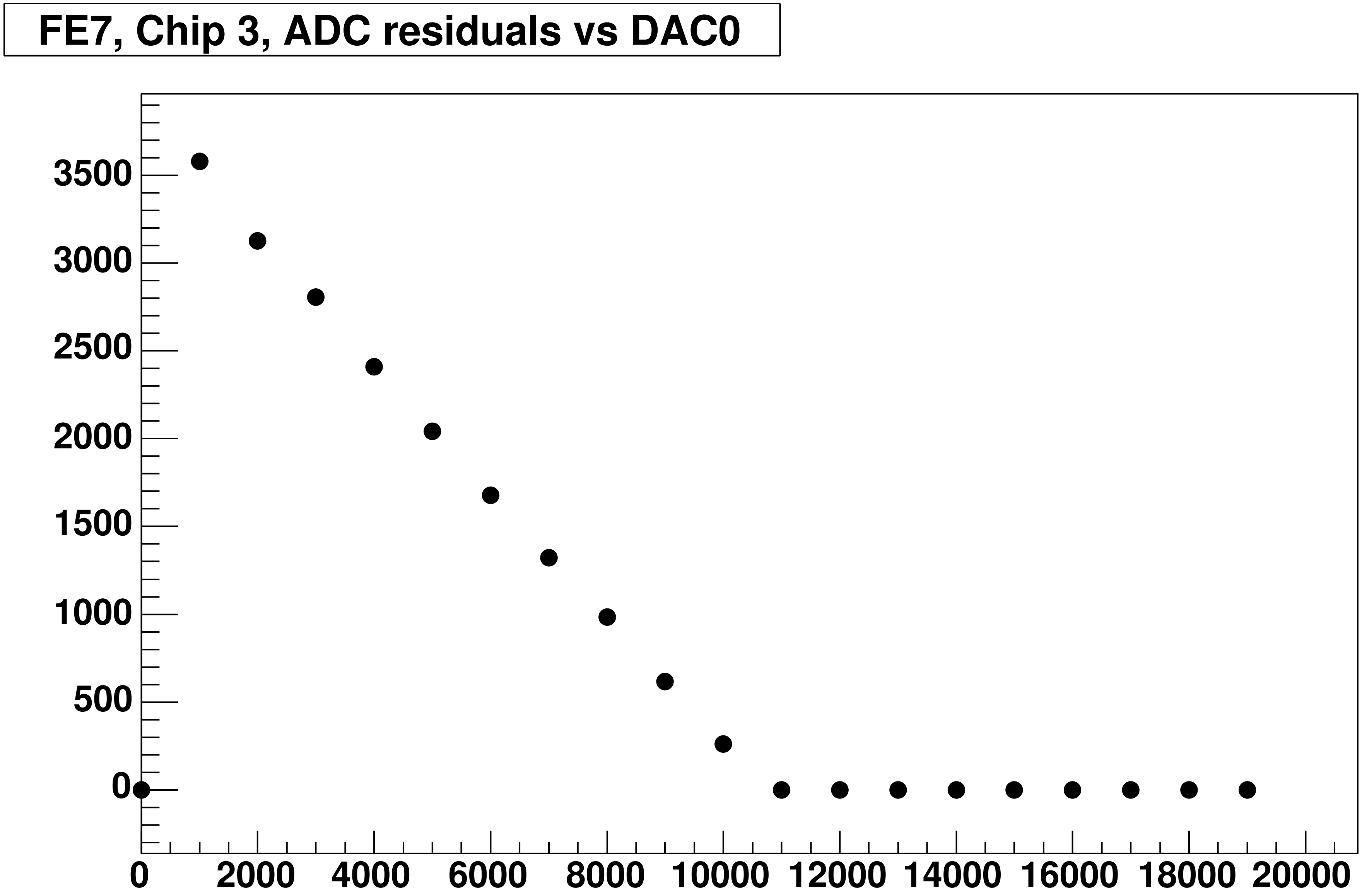
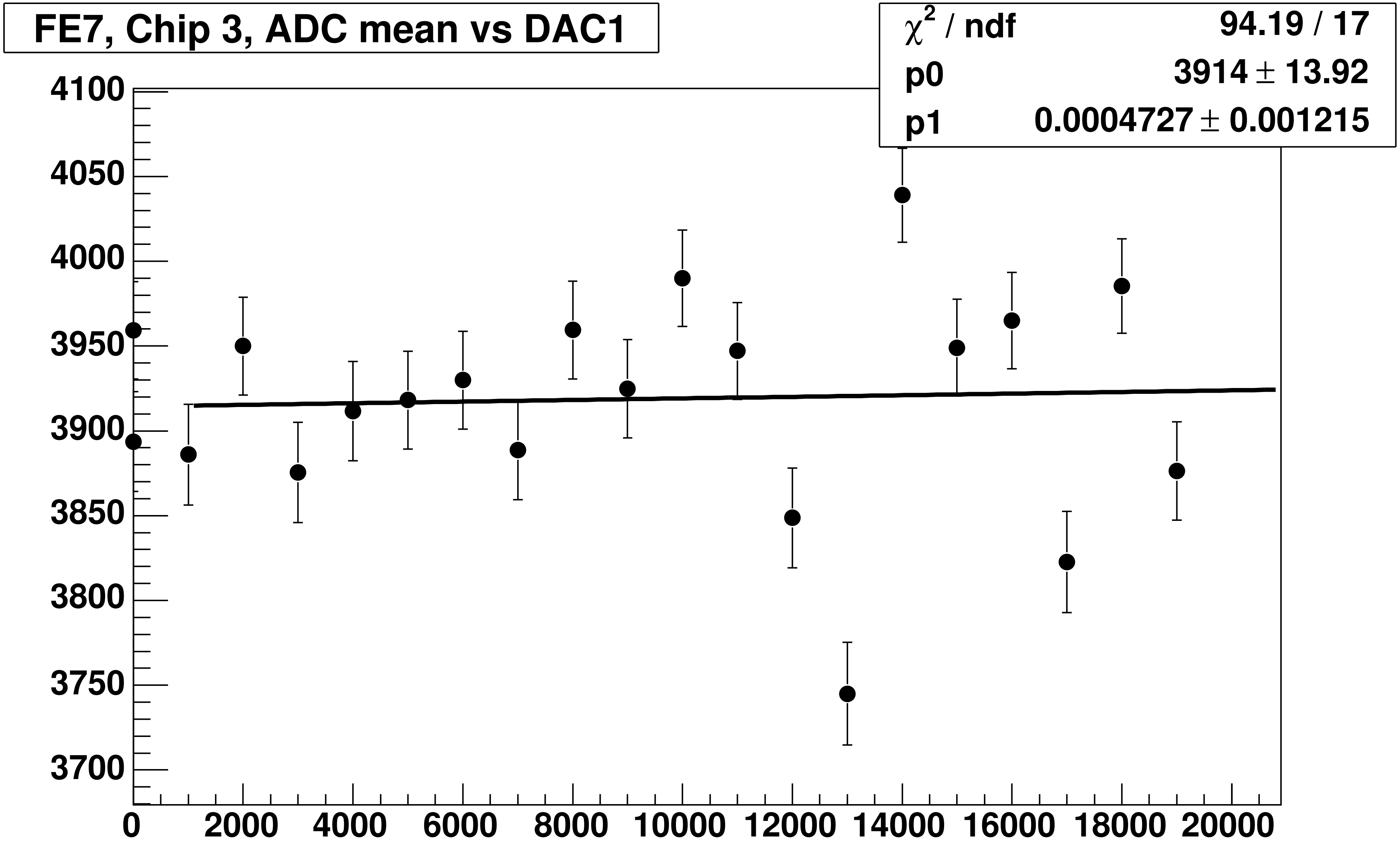
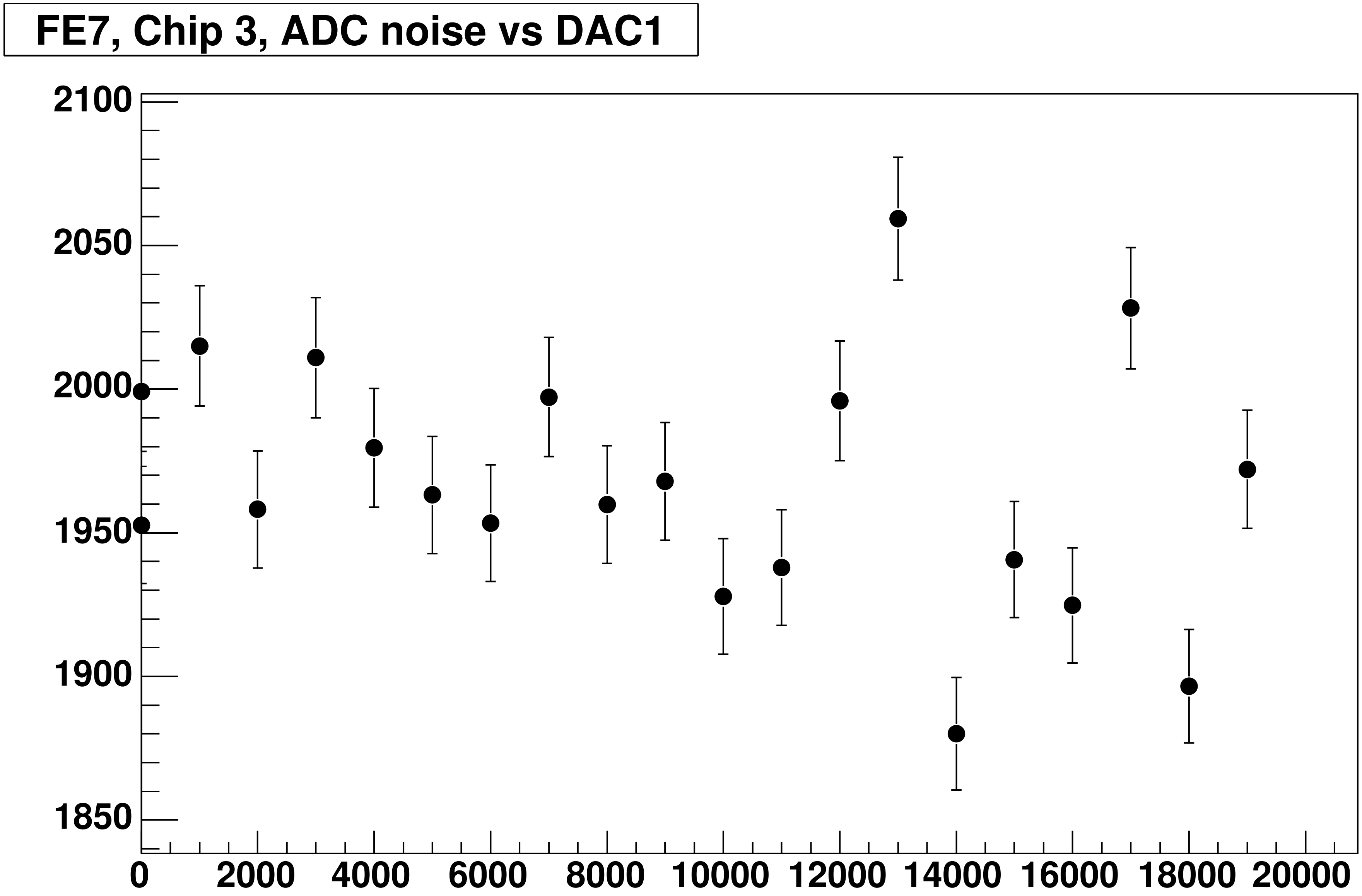
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

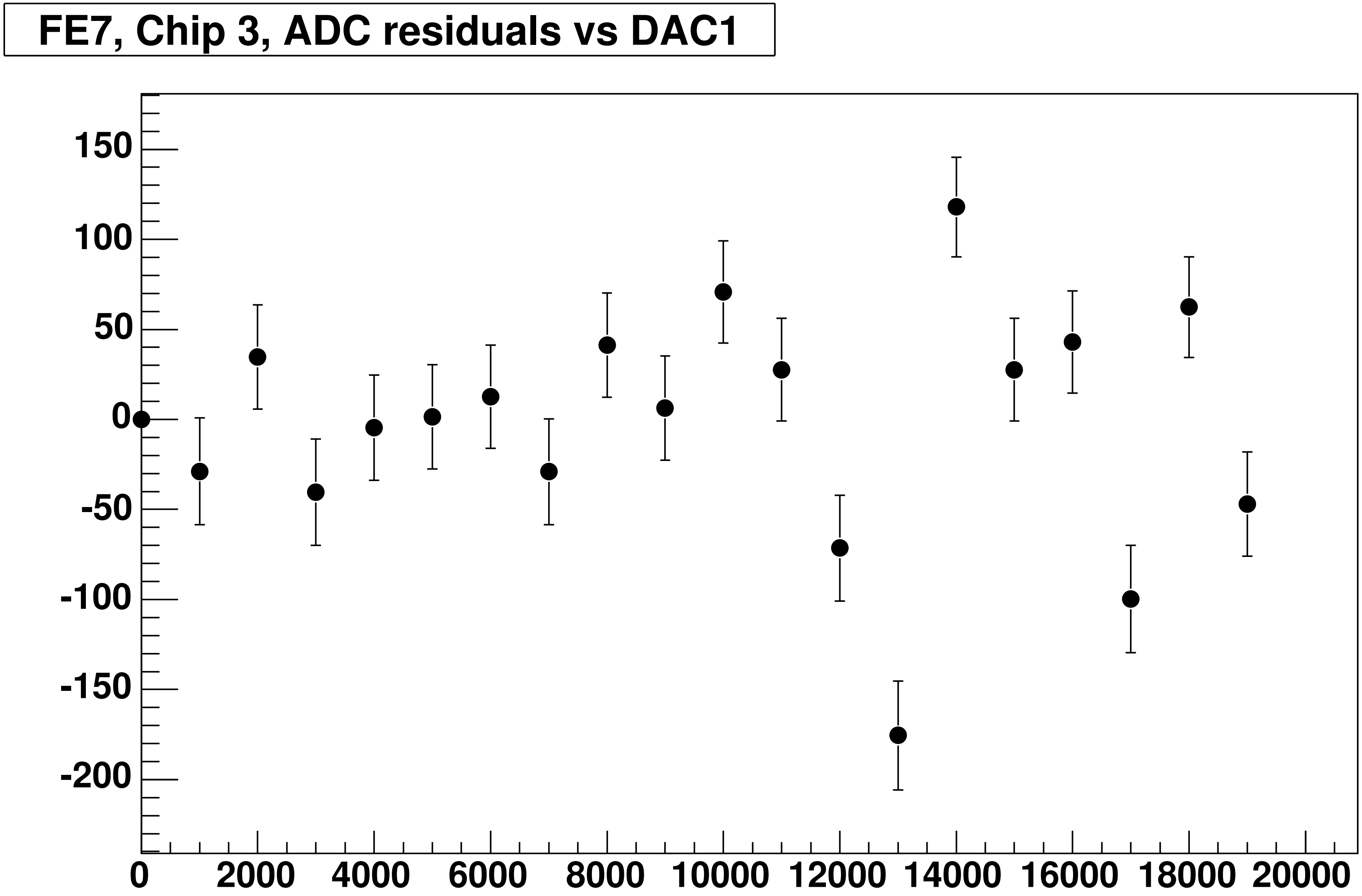

FE7, Chip 3, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 3, ADC residuals vs DAC0
0
500
1000
1500
2000
2500
3000
3500
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

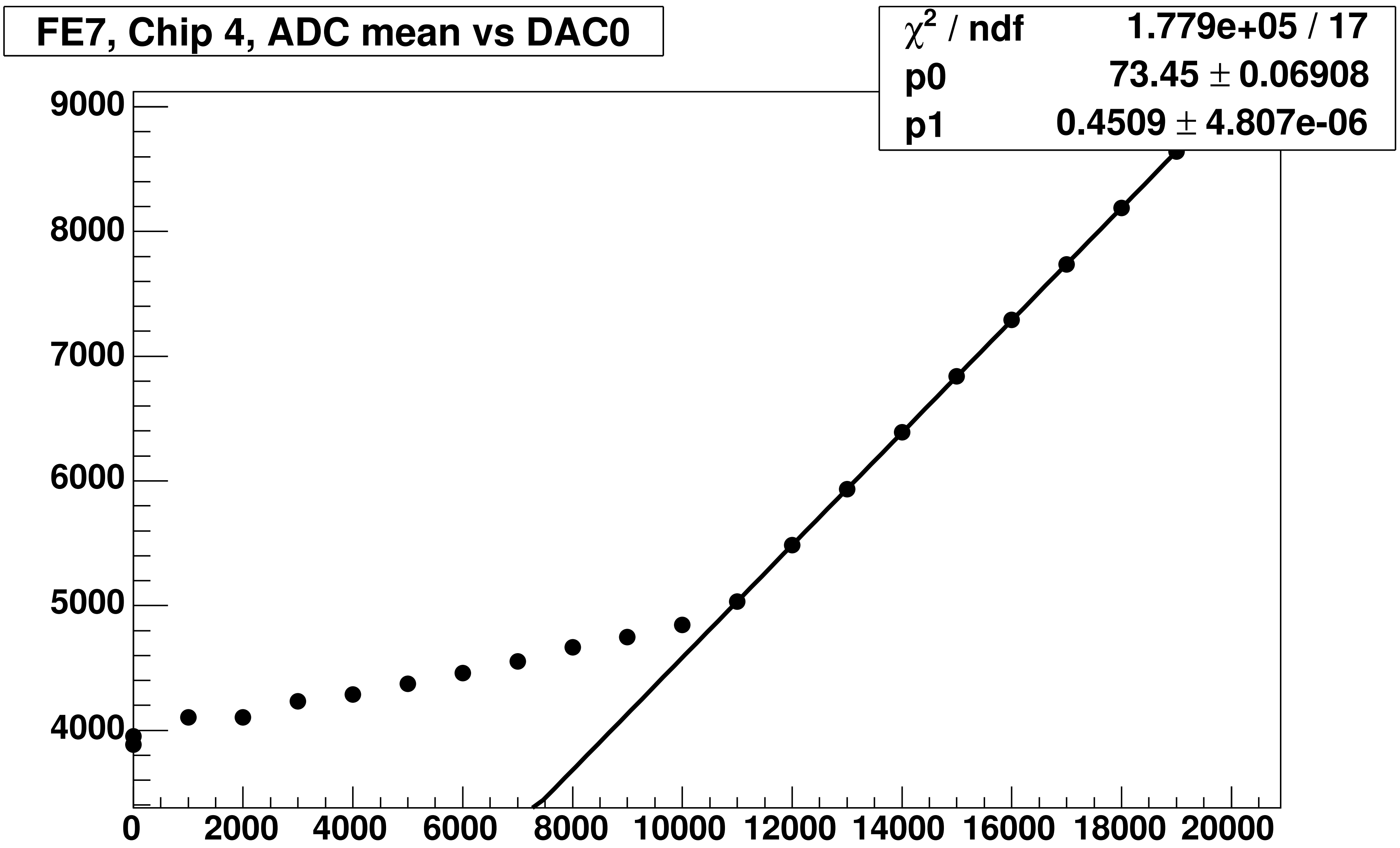


FE7, Chip 3, ADC mean vs DAC1
χ^2 / ndf 94.19 / 17
p0 3914 ± 13.92
p1 0.0004727 ± 0.001215
4100
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 3, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 3, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 4, ADC mean vs DAC0
χ^2 / ndf 1.779e+05 / 17
p0 73.45 ± 0.06908
p1 0.4509 ± 4.807e-06
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6000
5000
4000
0
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10000
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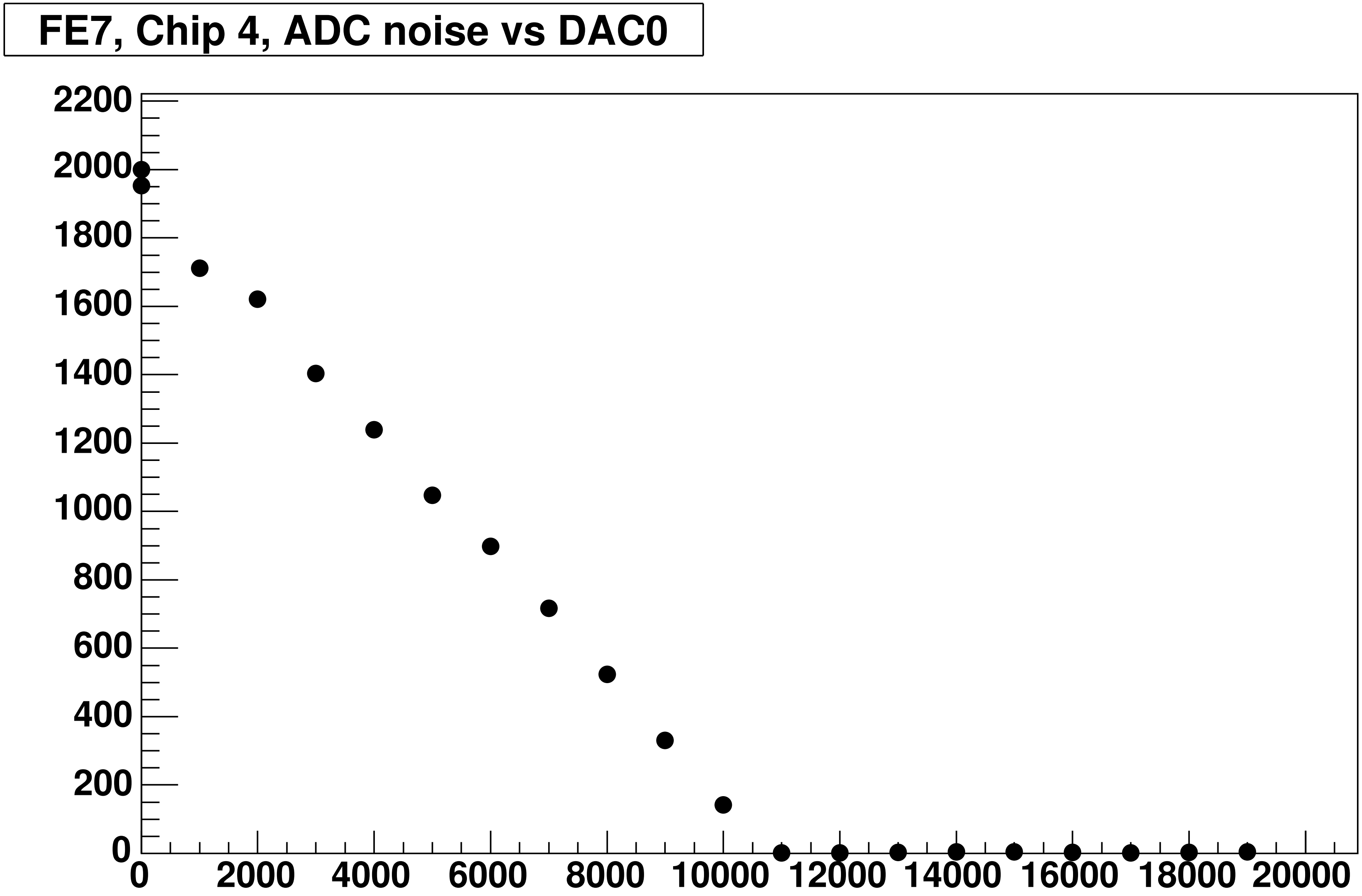
14000
16000
18000
20000


FE7, Chip 4, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
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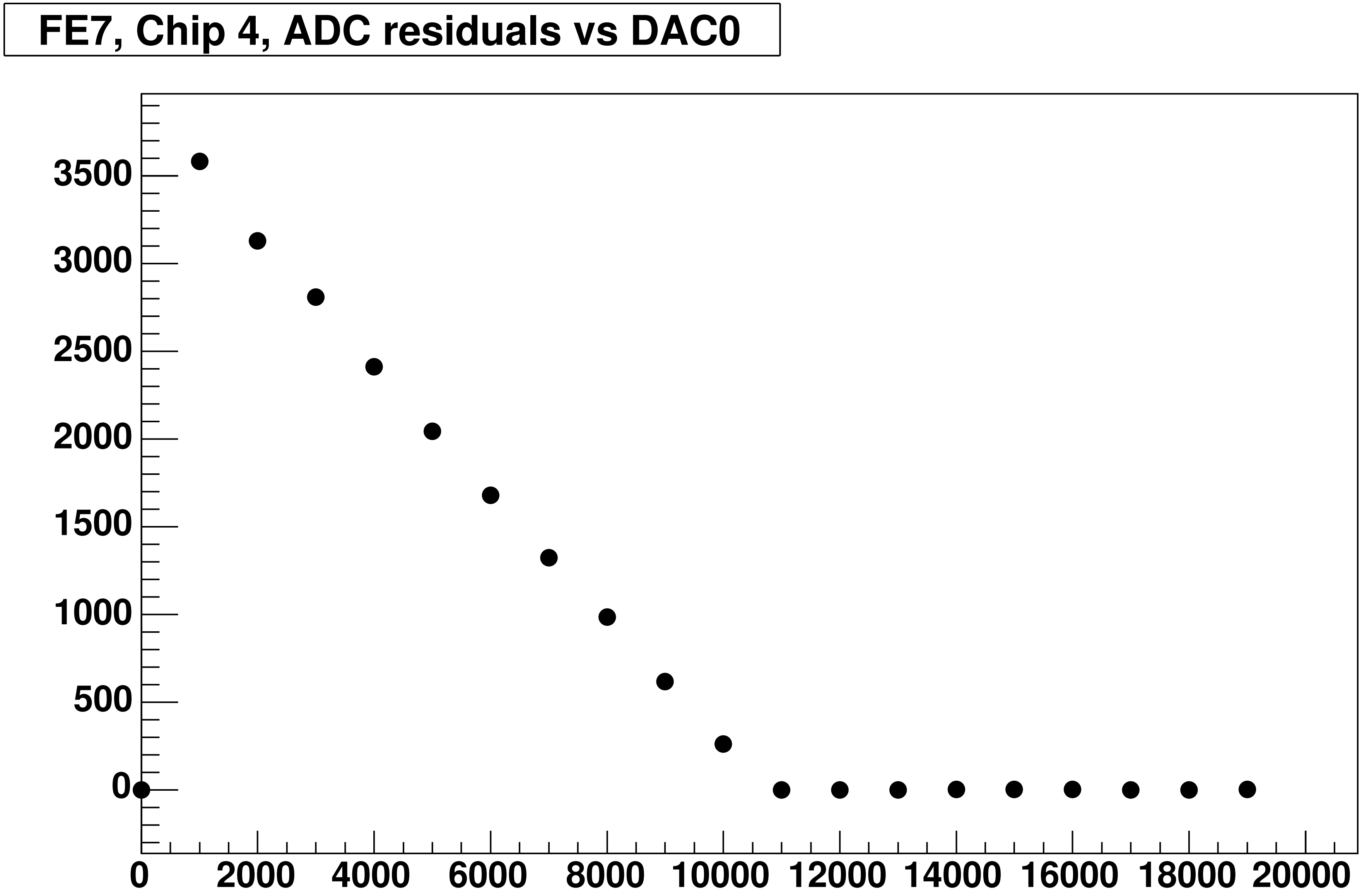
14000
16000
18000
20000


FE7, Chip 4, ADC residuals vs DAC0
3500
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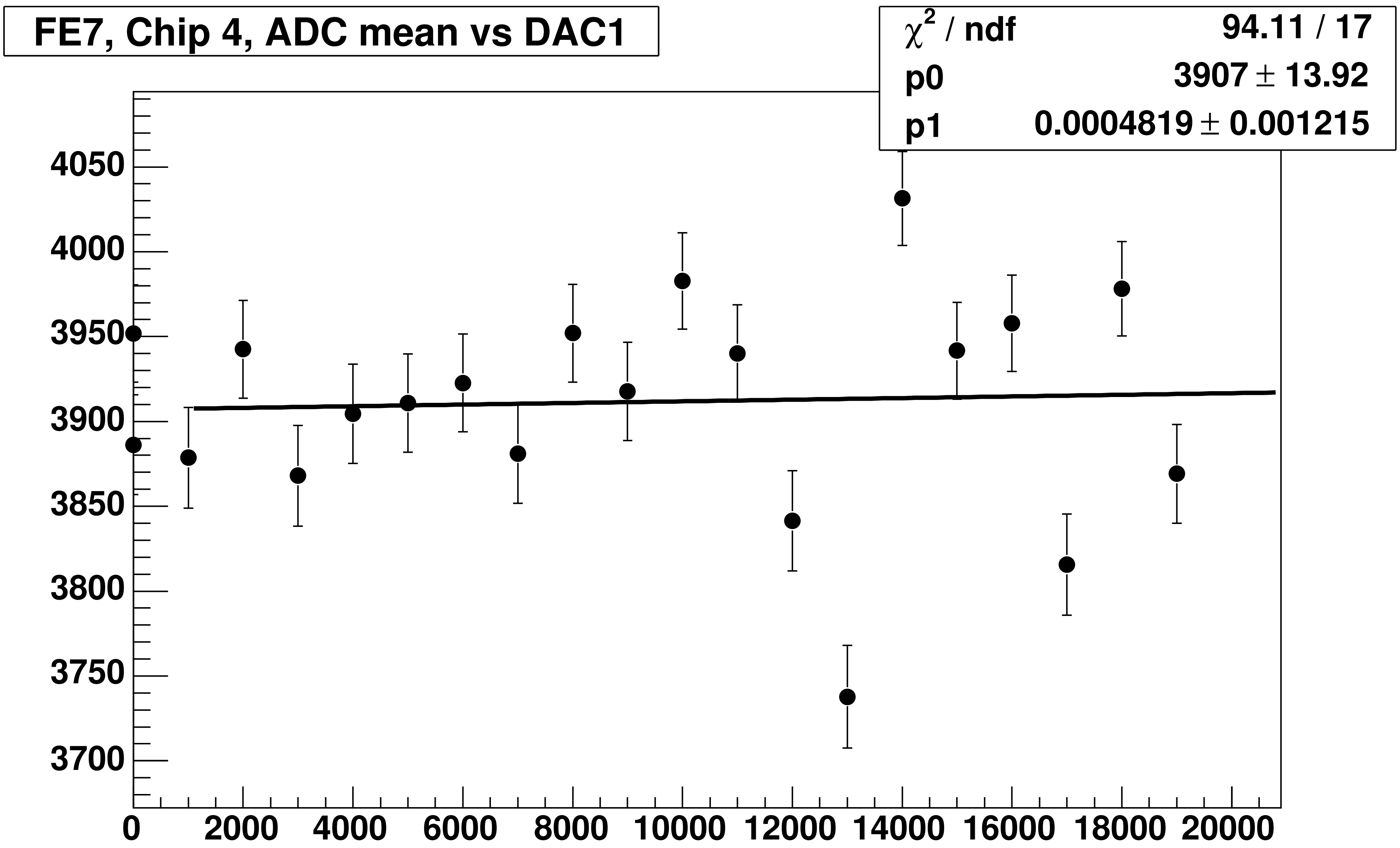
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 4, ADC mean vs DAC1
χ^2 / ndf 94.11 / 17
p0 3907 ± 13.92
p1 0.0004819 ± 0.001215
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
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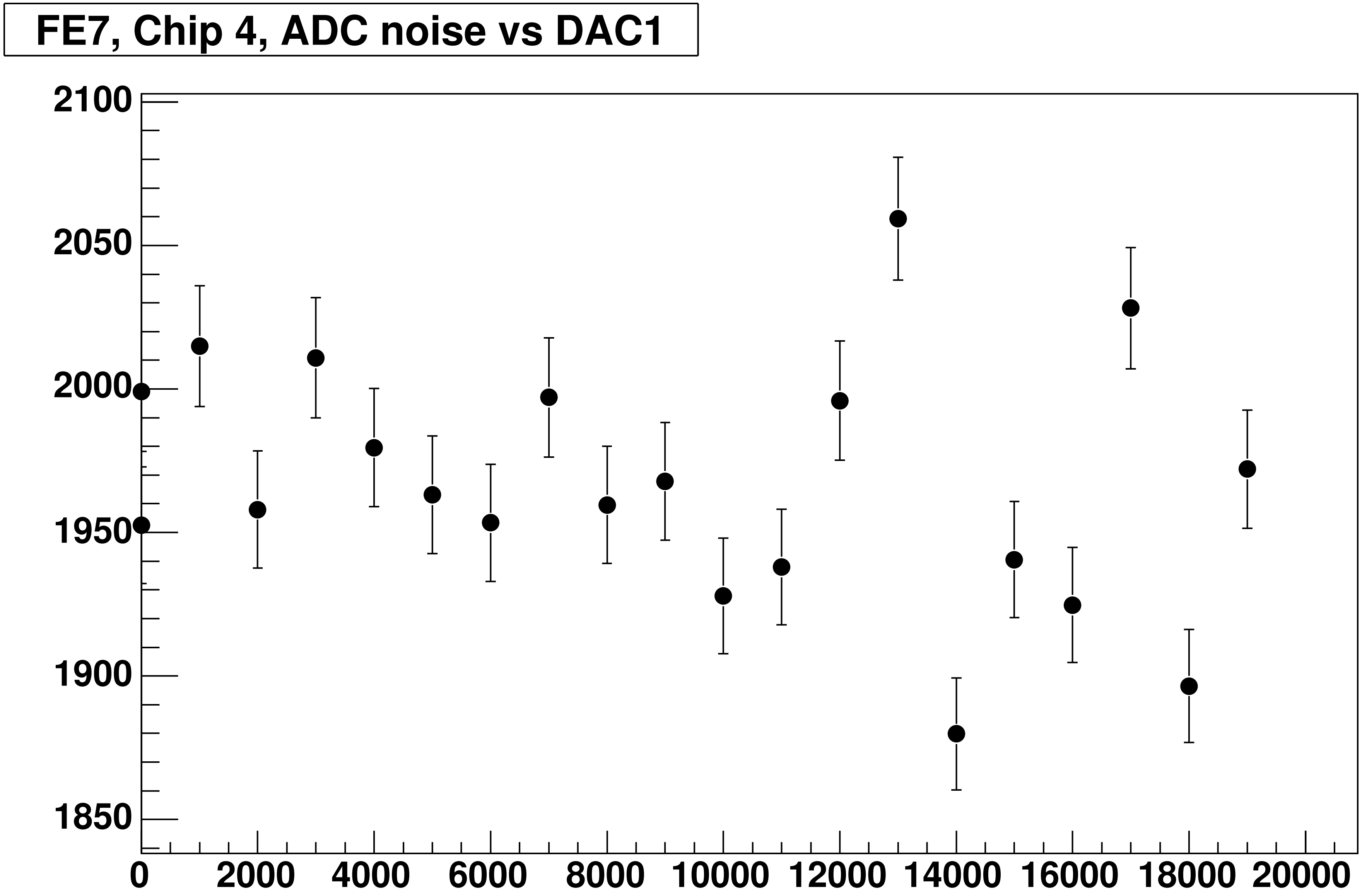
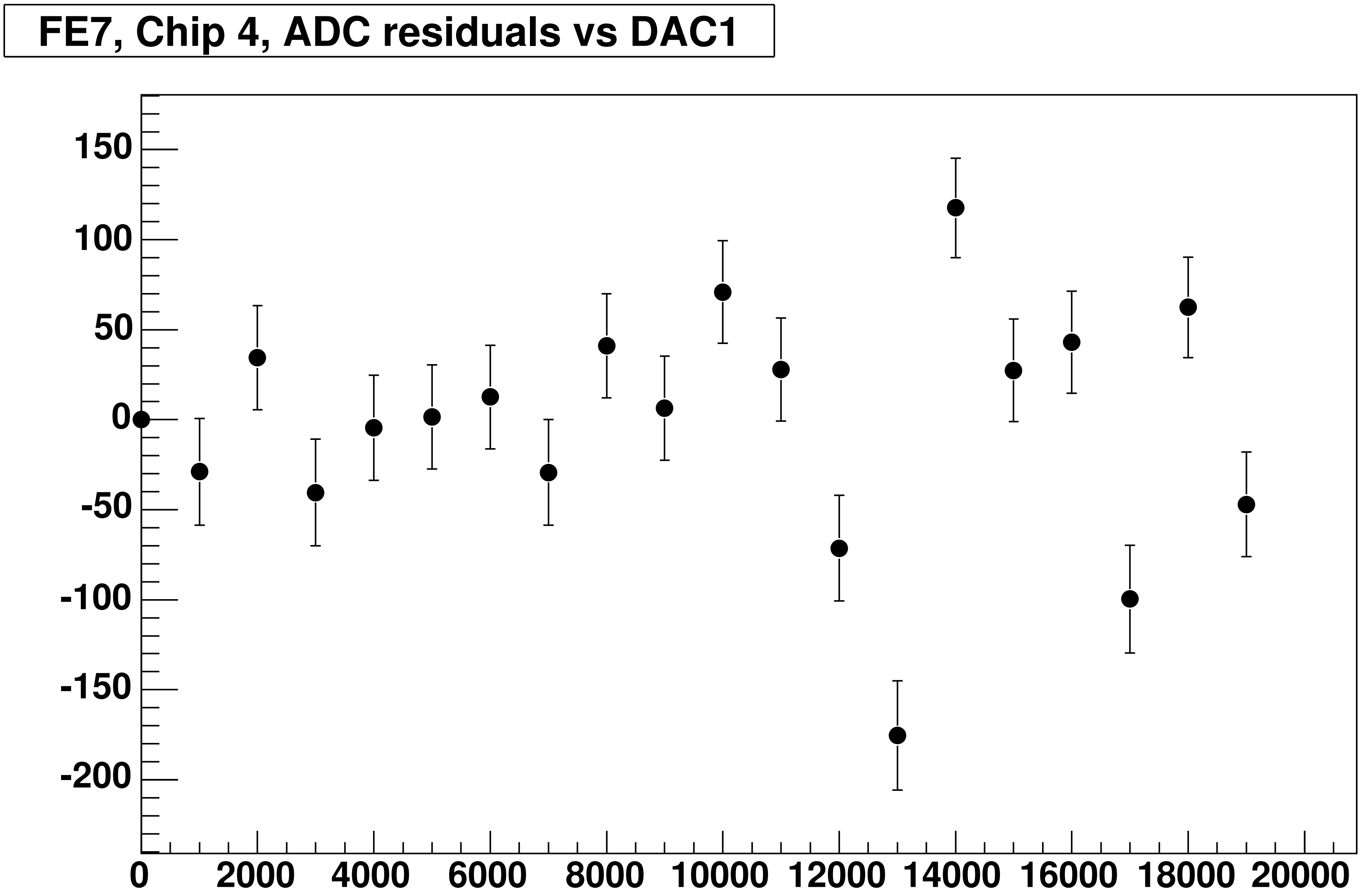
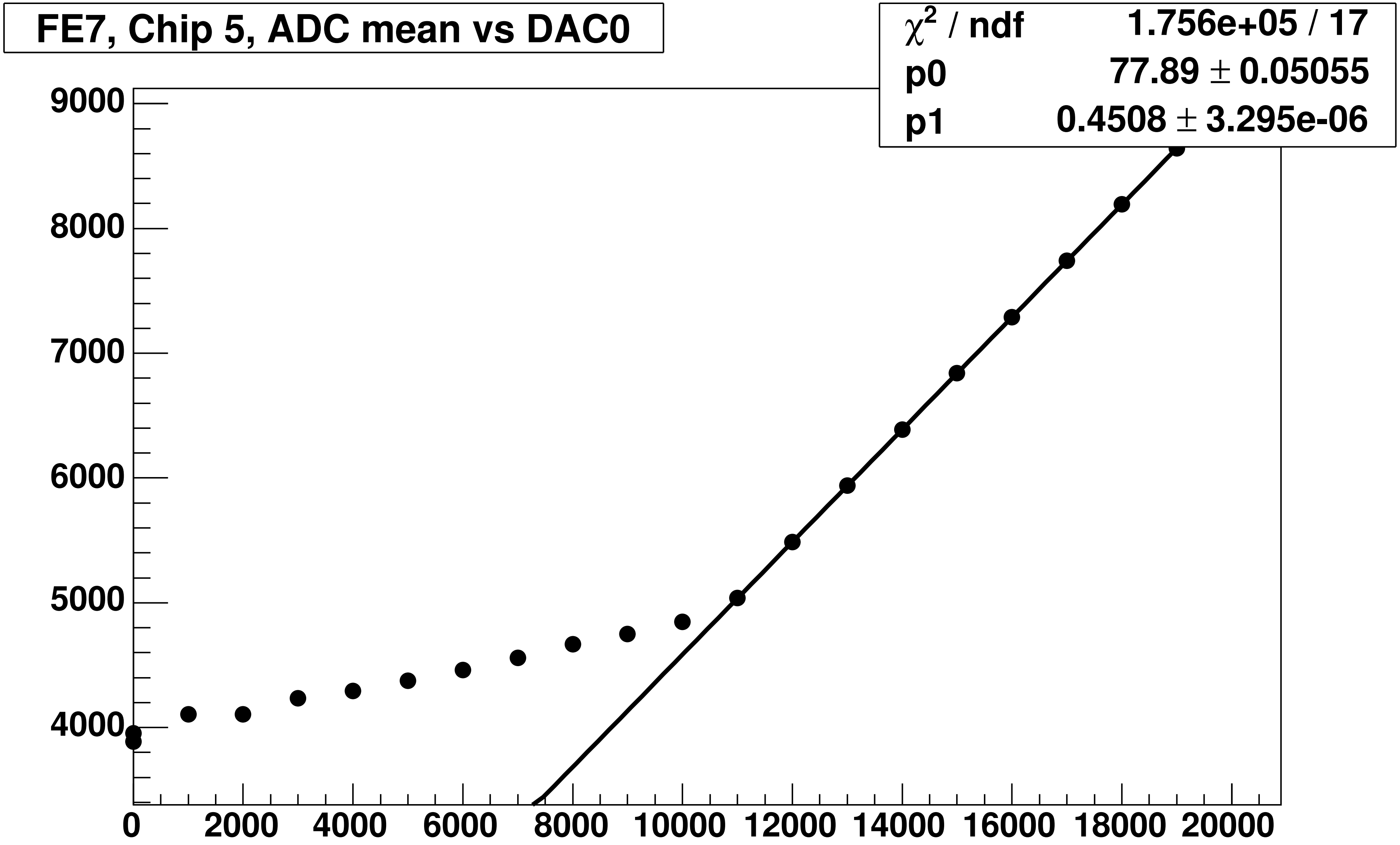
10000
12000
14000
16000
18000
20000


FE7, Chip 4, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 4, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 5, ADC mean vs DAC0
χ2 / ndf 1.756e+05 / 17
p0 77.89 ± 0.05055
p1 0.4508 ± 3.295e-06
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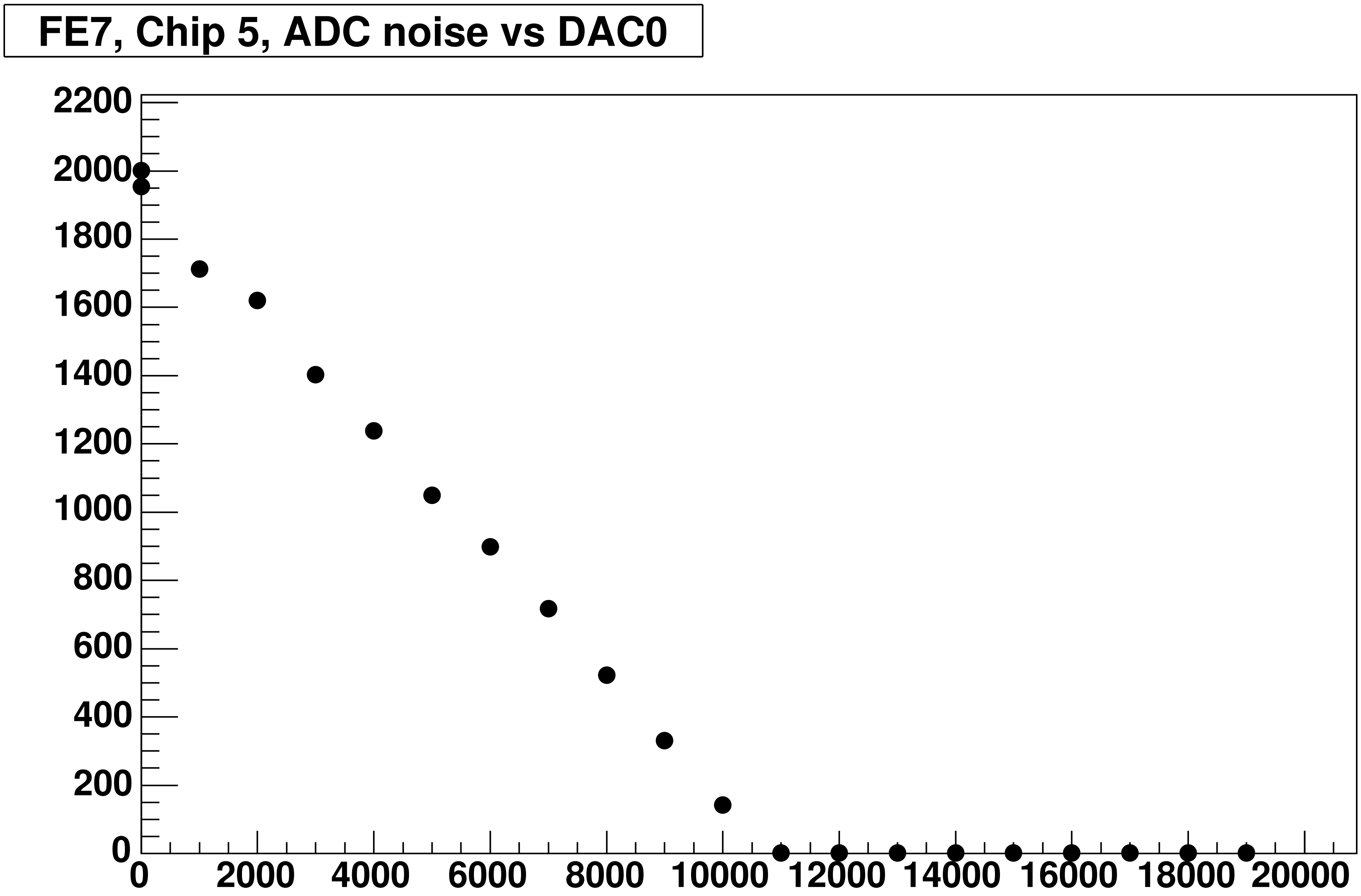
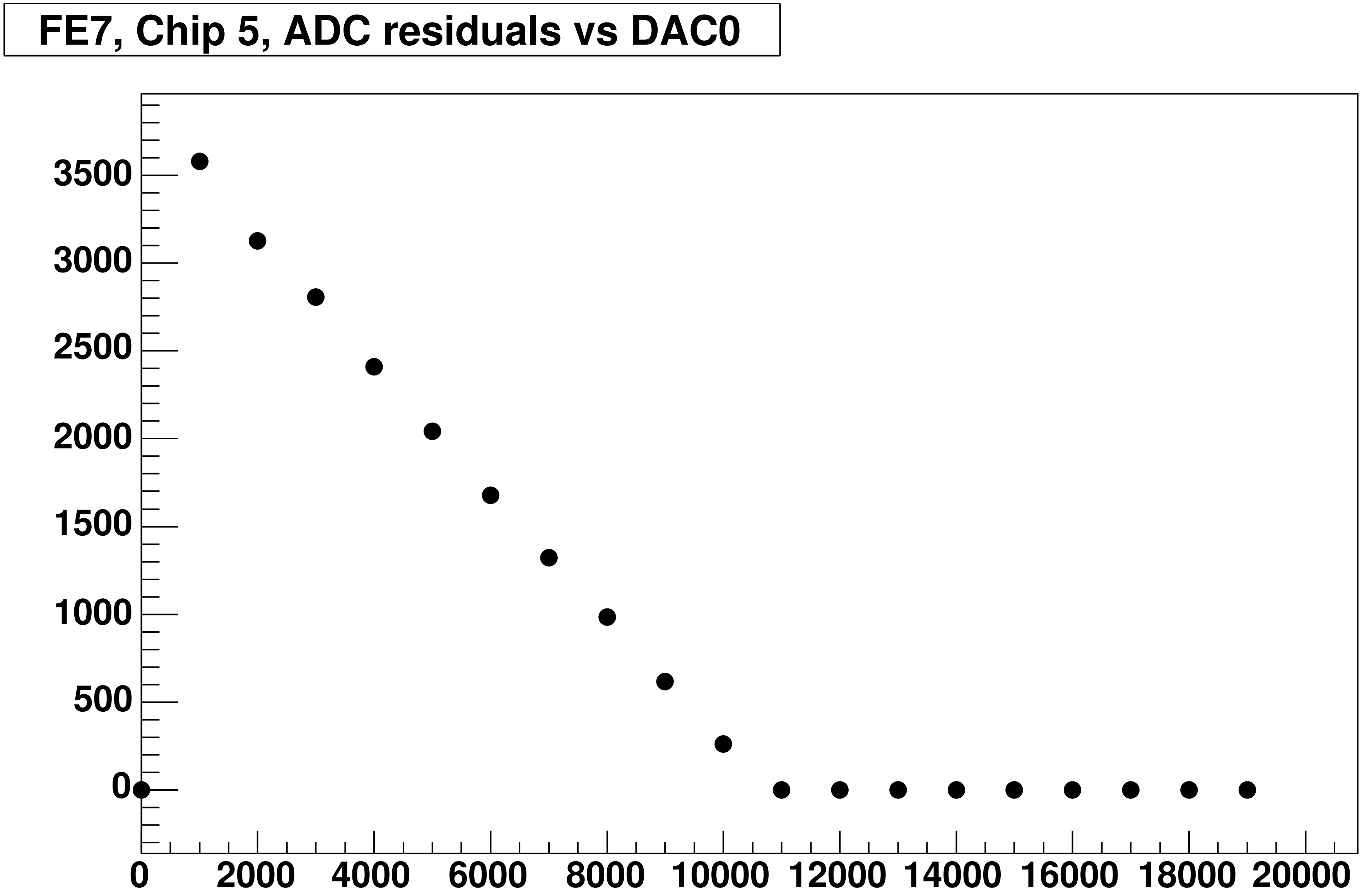
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 5, ADC noise vs DAC0
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 5, ADC residuals vs DAC0
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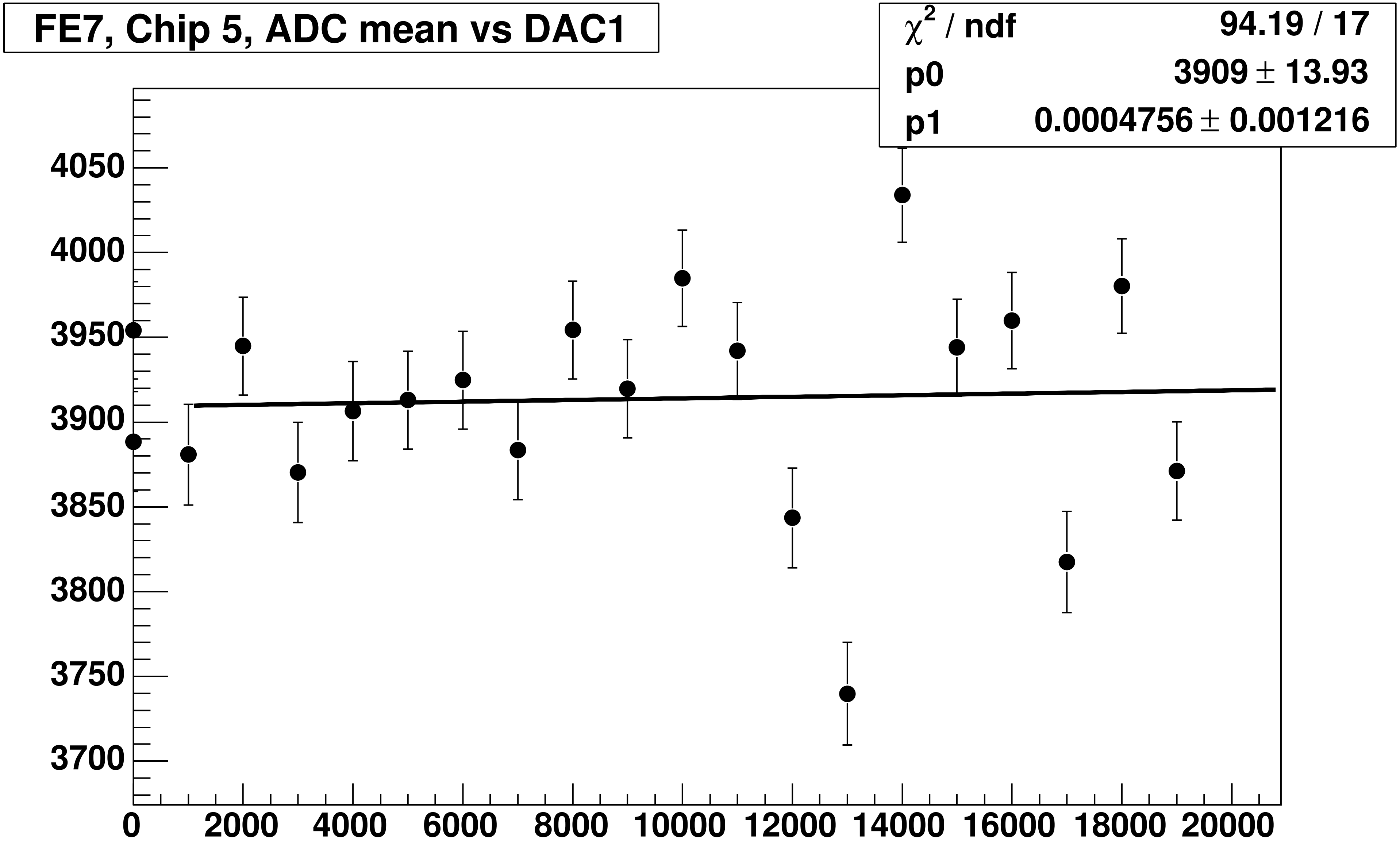
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 5, ADC mean vs DAC1
χ^2 / ndf 94.19 / 17
p0 3909 ± 13.93
p1 0.0004756 ± 0.001216
4050
4000
3950
3900
3850
3800
3750
3700
0
2000
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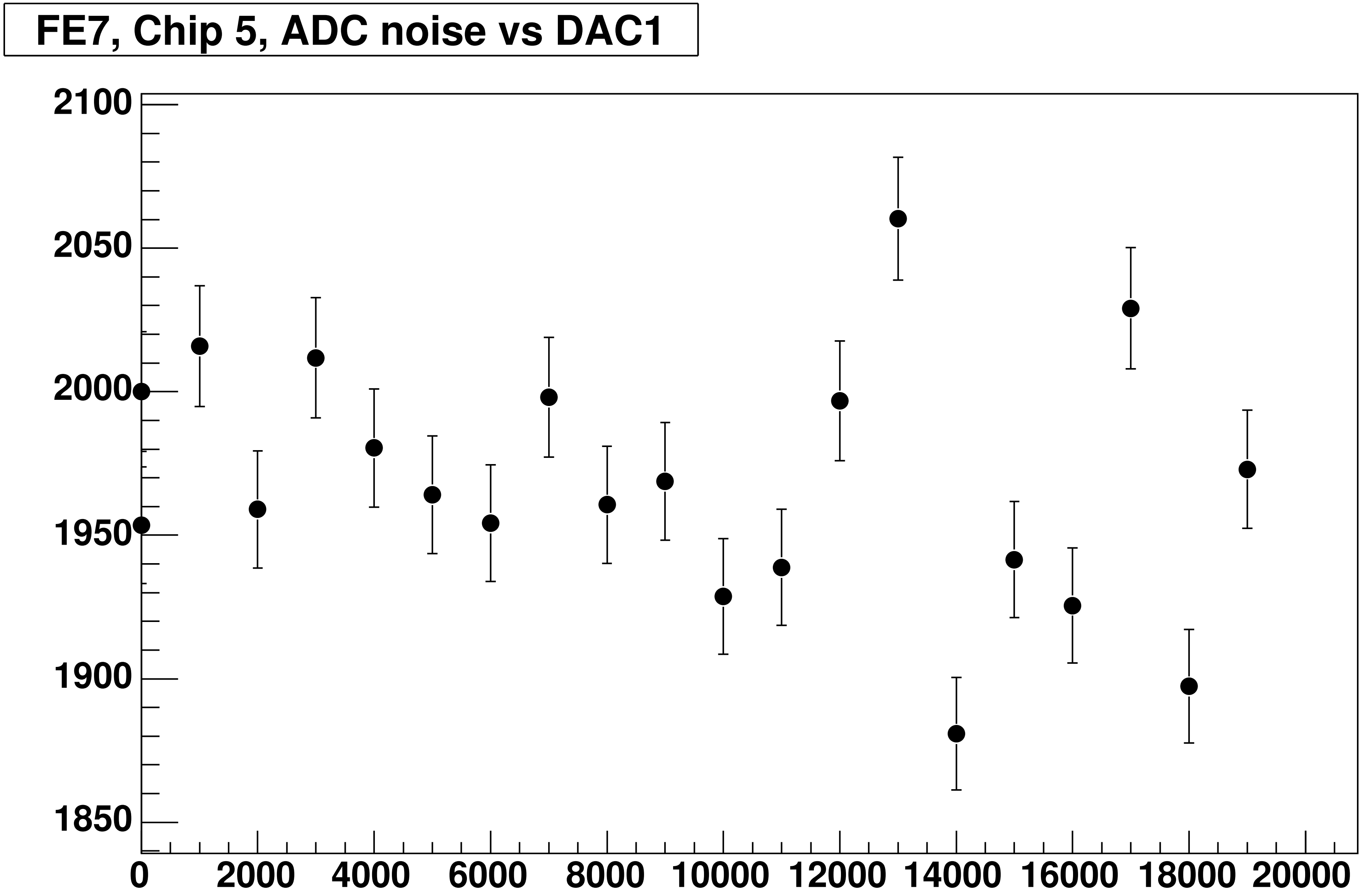
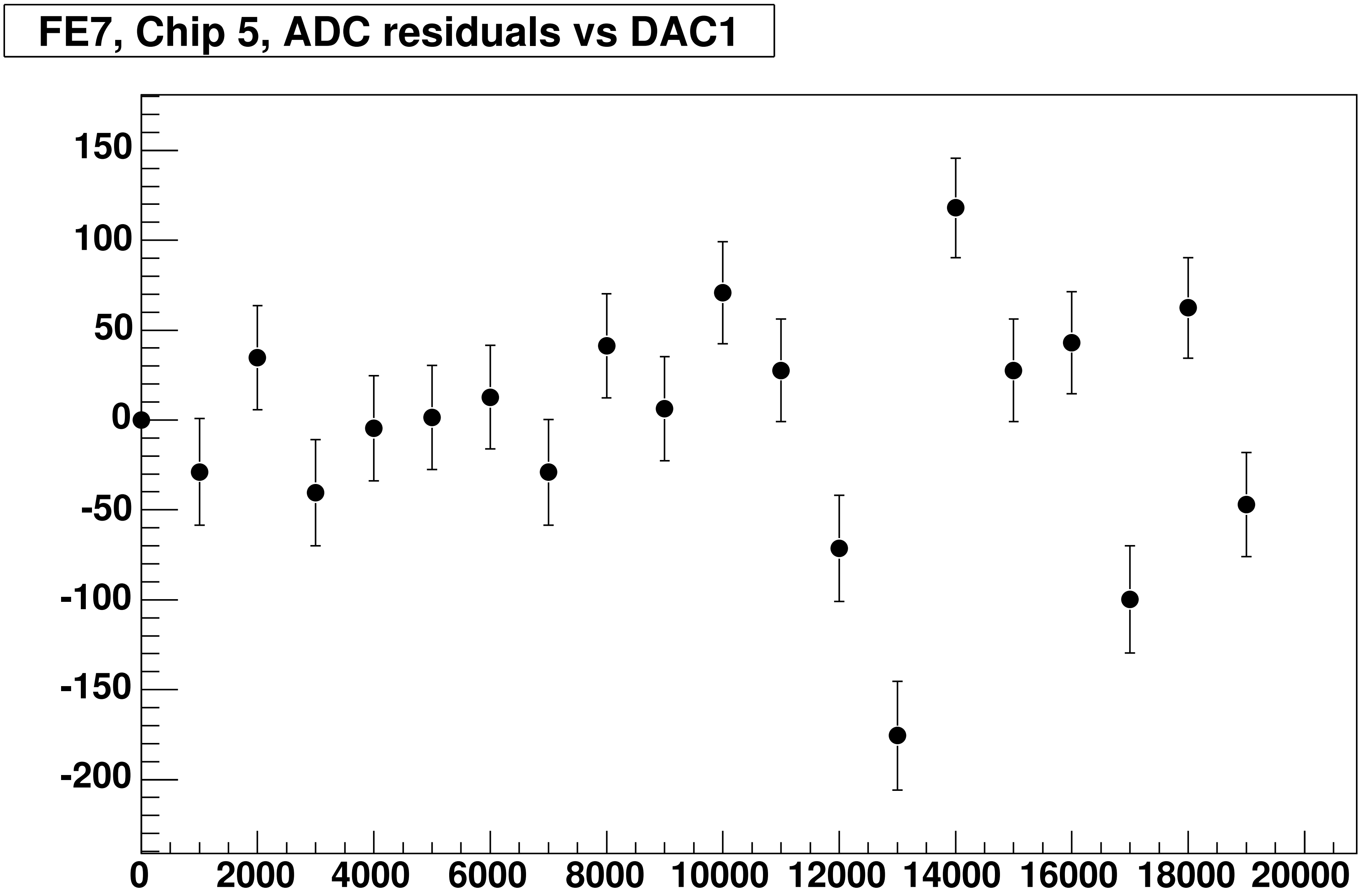
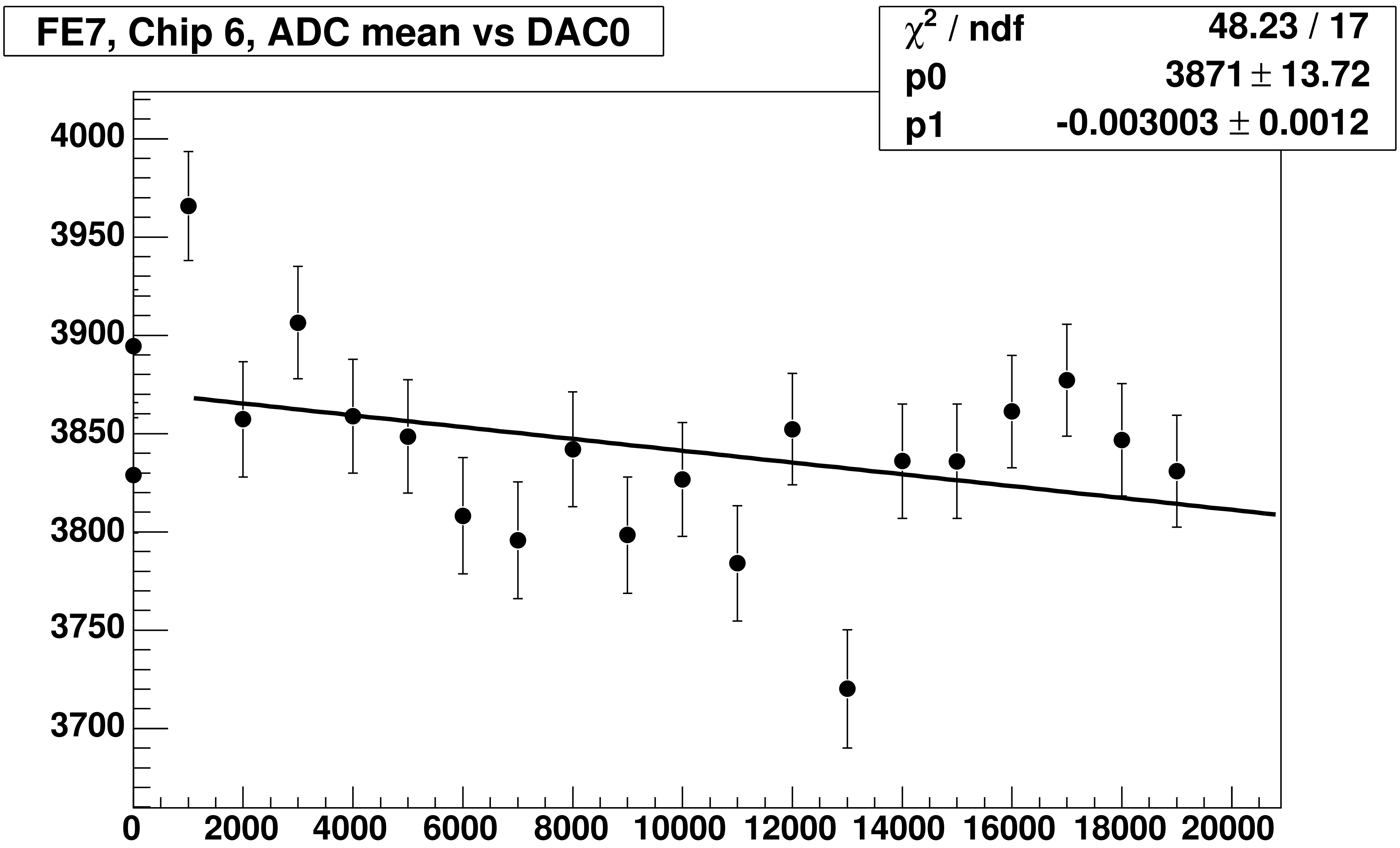
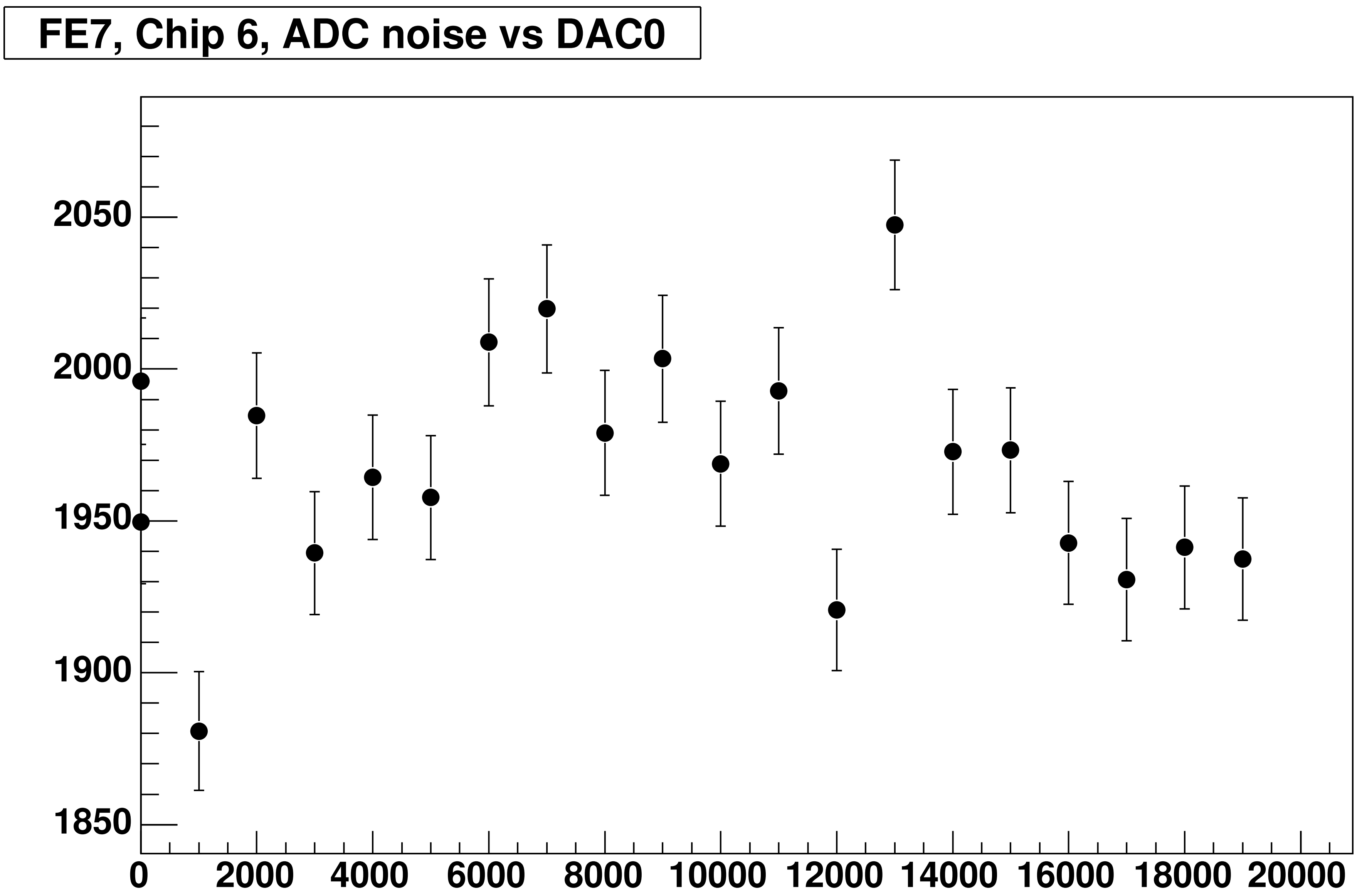
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 5, ADC noise vs DAC1
2100
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 5, ADC residuals vs DAC1
150
100
50
0
-50
-100
-150
-200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 6, ADC mean vs DAC0
χ2 / ndf 48.23 / 17
p0 3871 ± 13.72
p1 -0.003003 ± 0.0012
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 6, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
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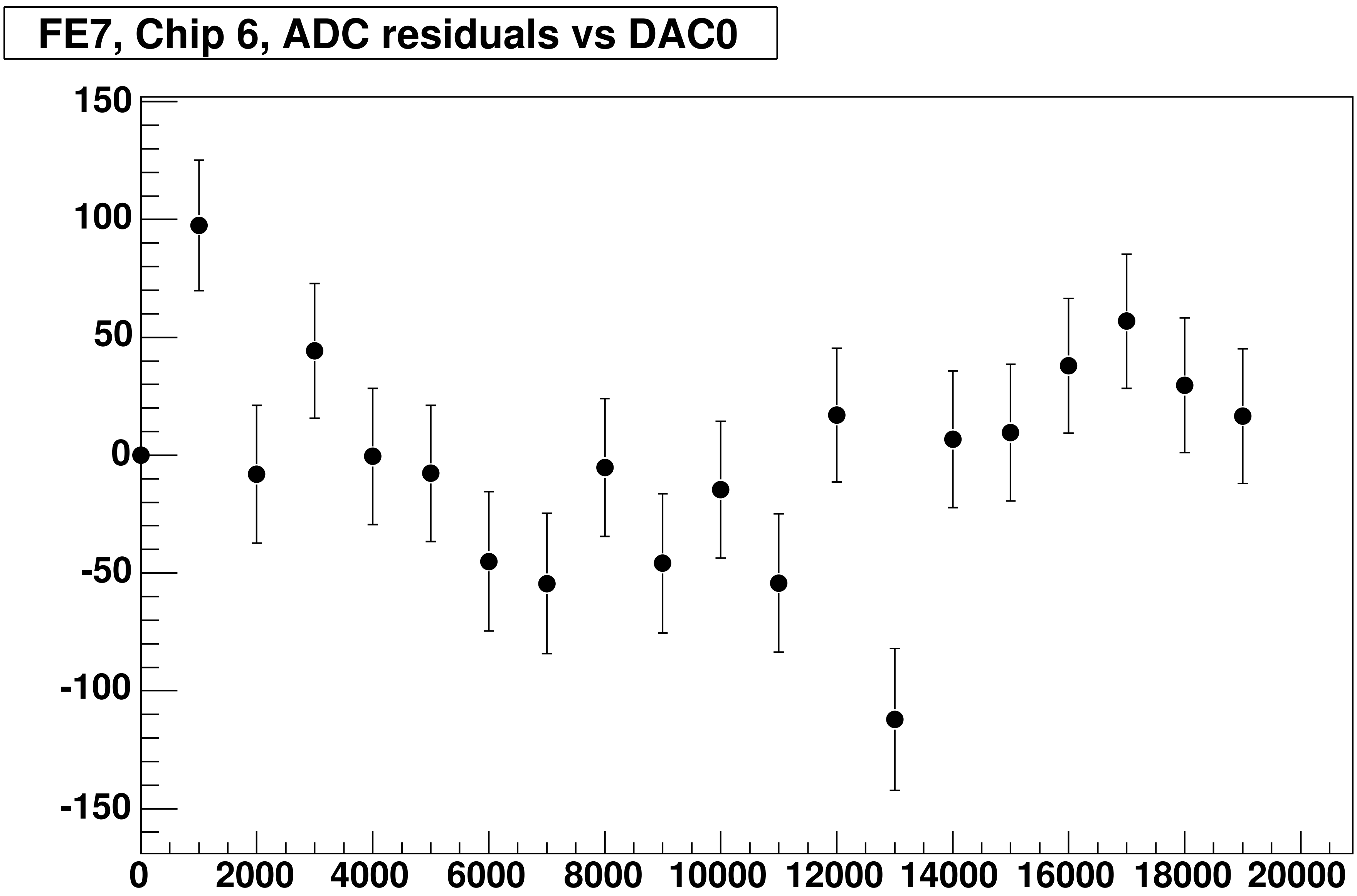
16000
18000
20000


FE7, Chip 6, ADC residuals vs DAC0
150
100
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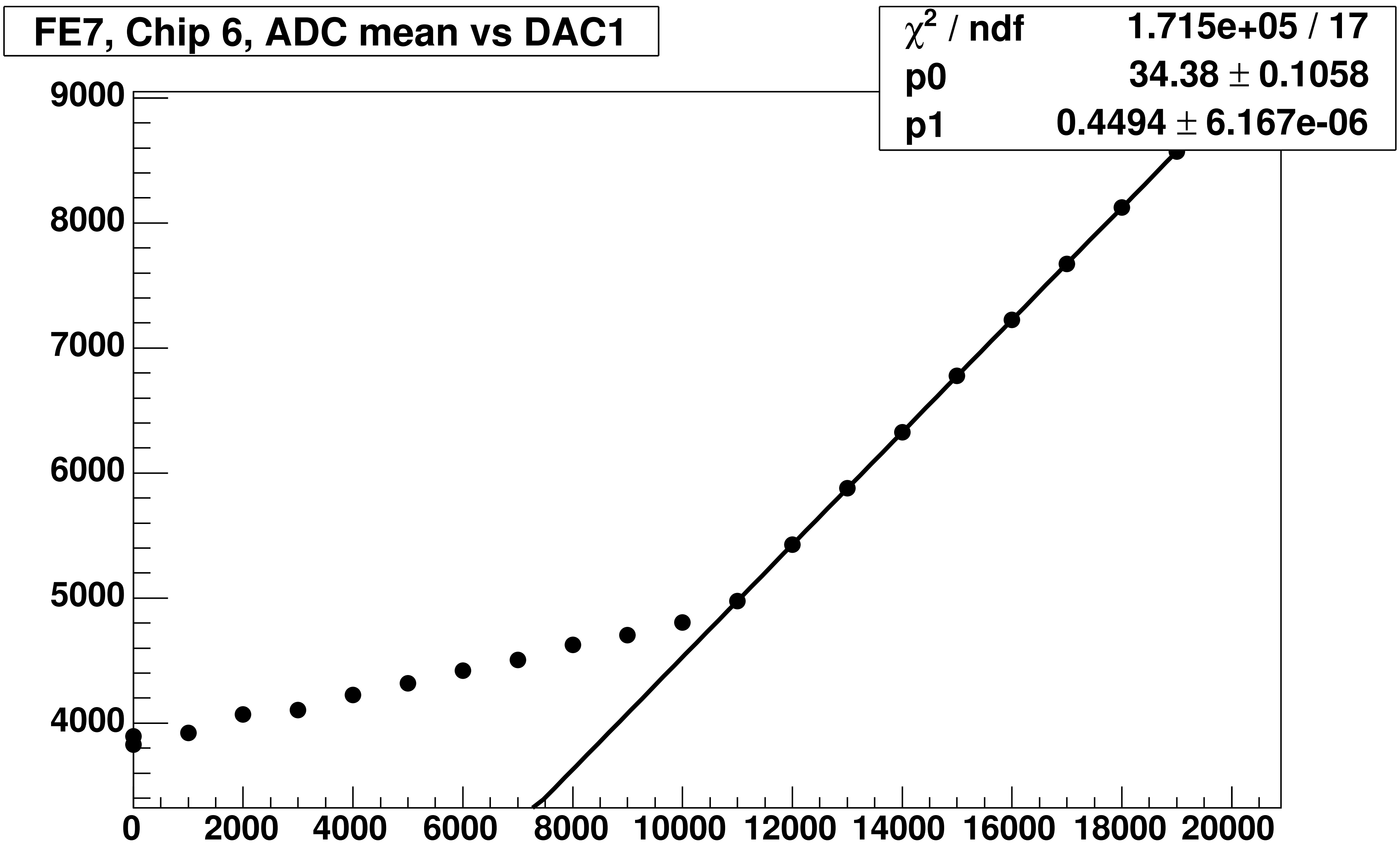
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 6, ADC mean vs DAC1
χ^2 / ndf 1.715e+05 / 17
p0 34.38 ± 0.1058
p1 0.4494 ± 6.167e-06
9000
8000
7000
6000
5000
4000
0
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10000
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16000
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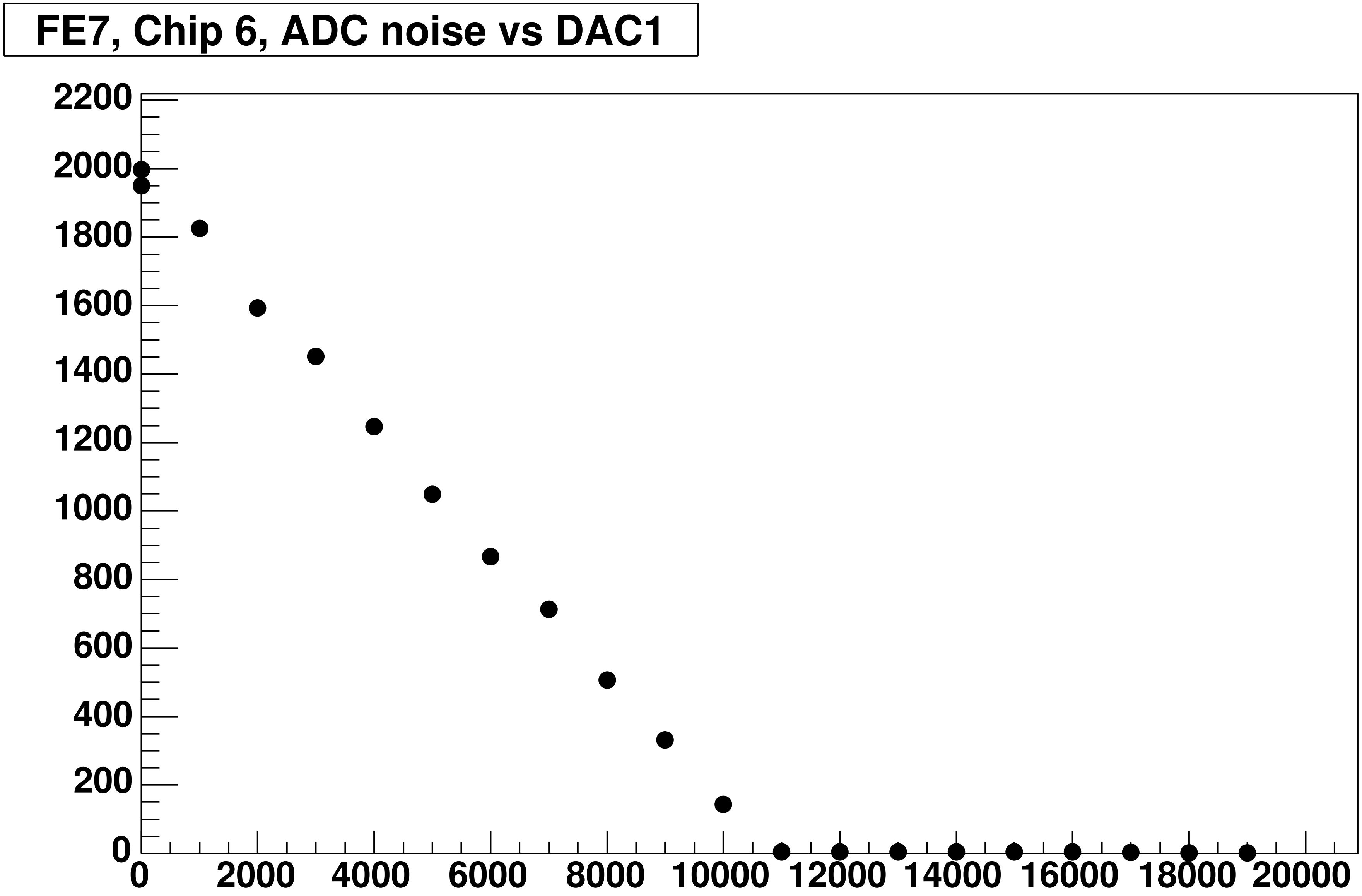
20000


FE7, Chip 6, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
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800
600
400
200
0
0
2000
4000
6000
8000
10000
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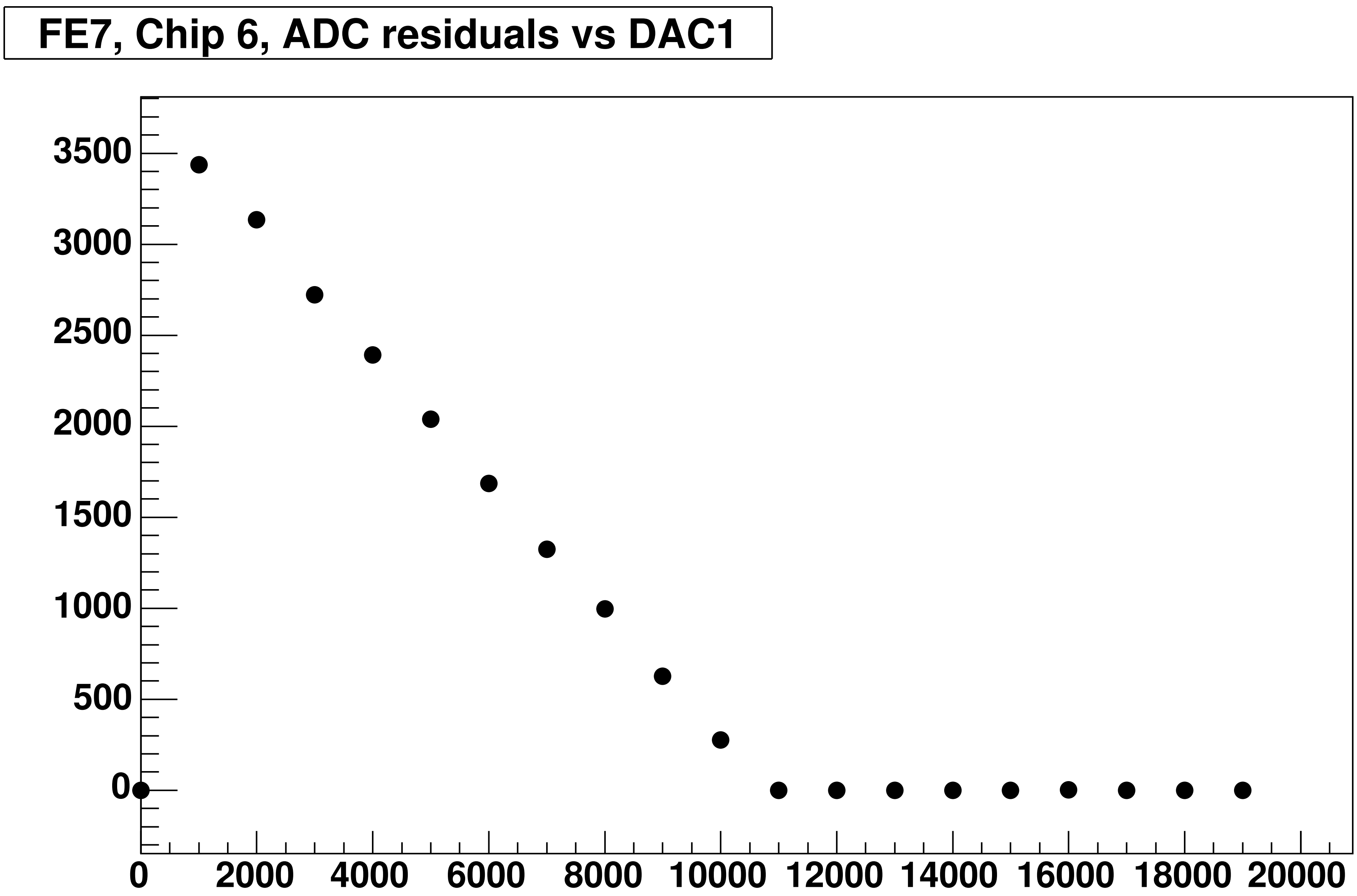
14000
16000
18000
20000



FE7, Chip 6, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
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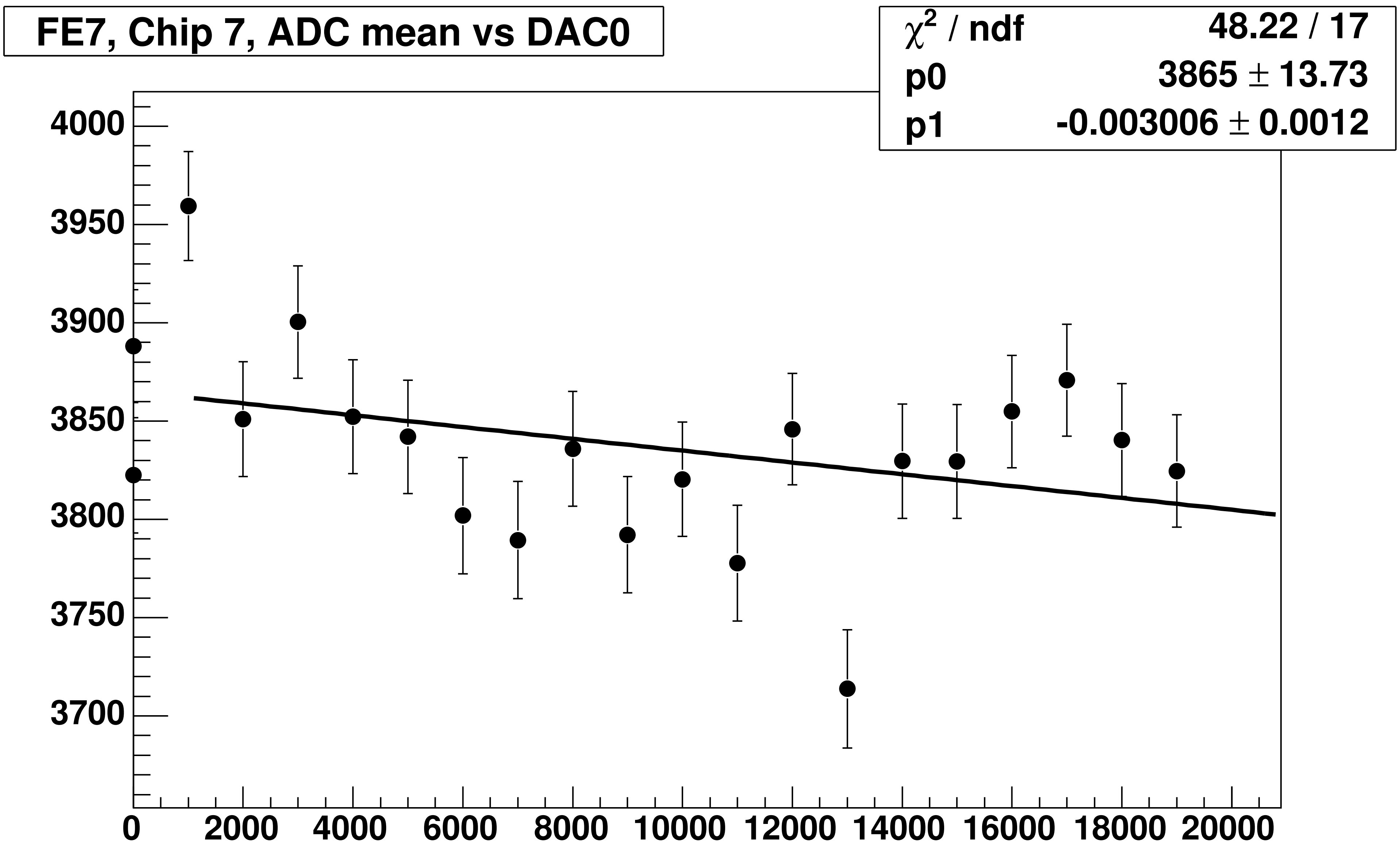
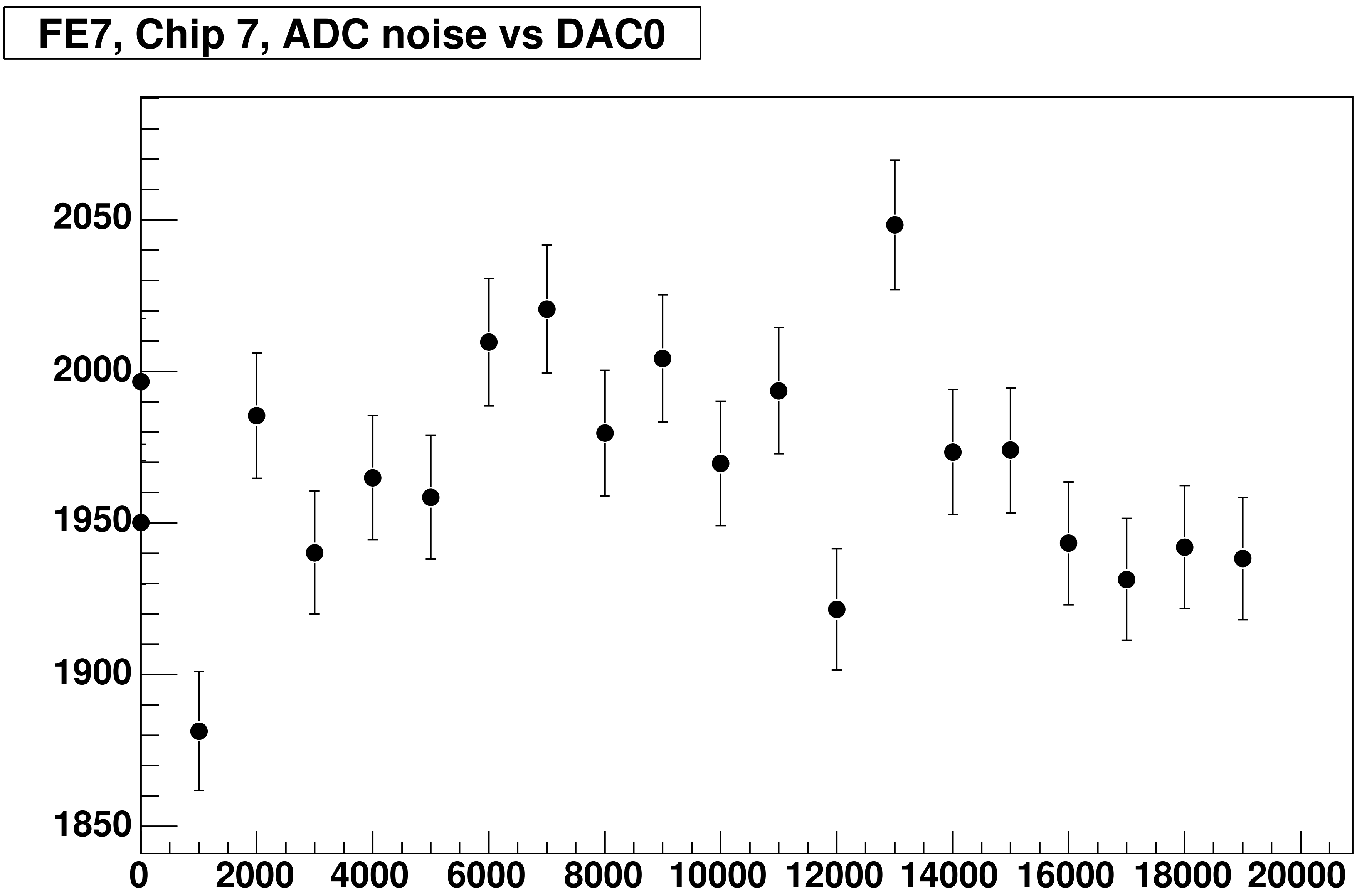
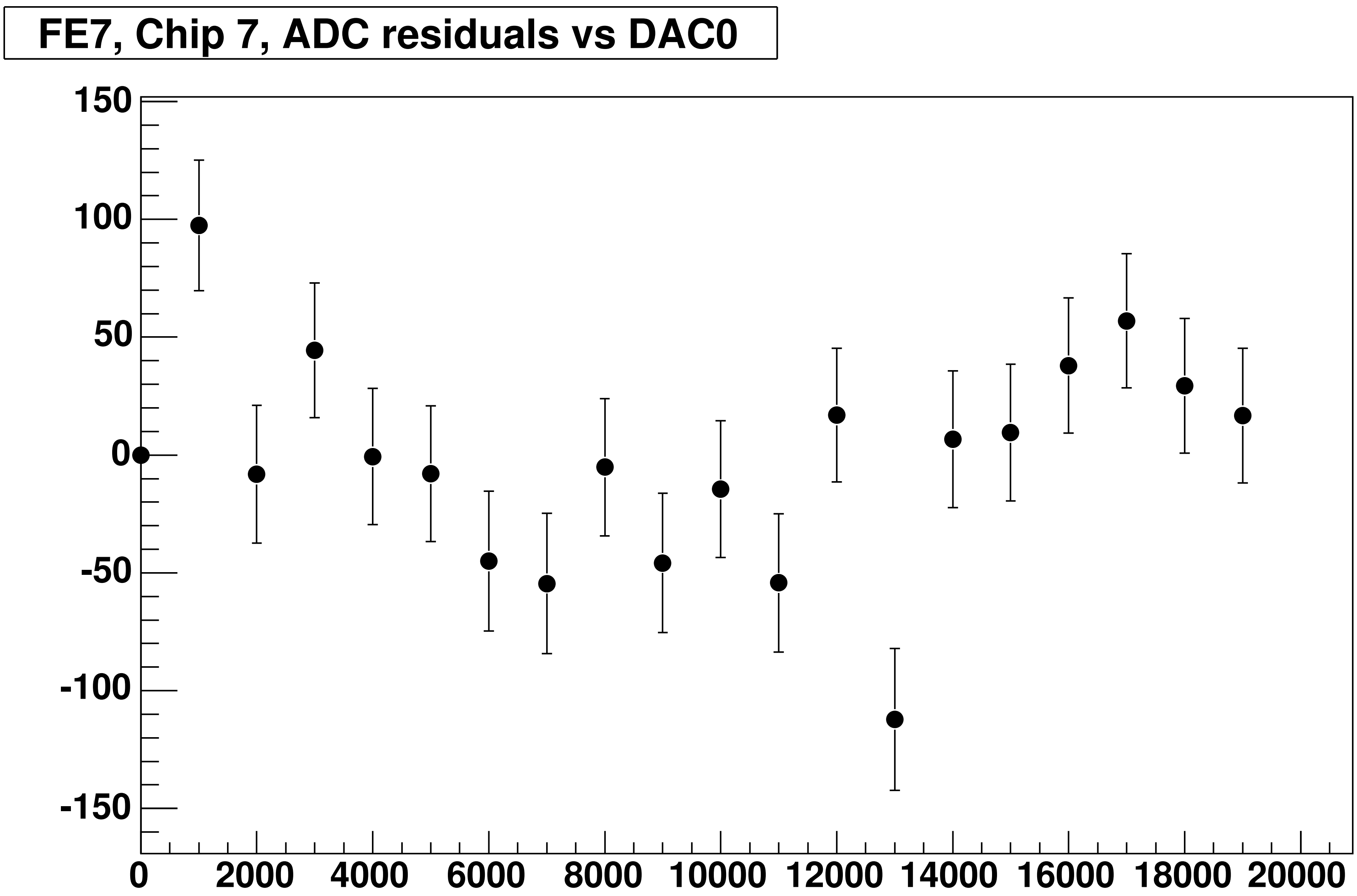
10000
12000
14000
16000
18000
20000

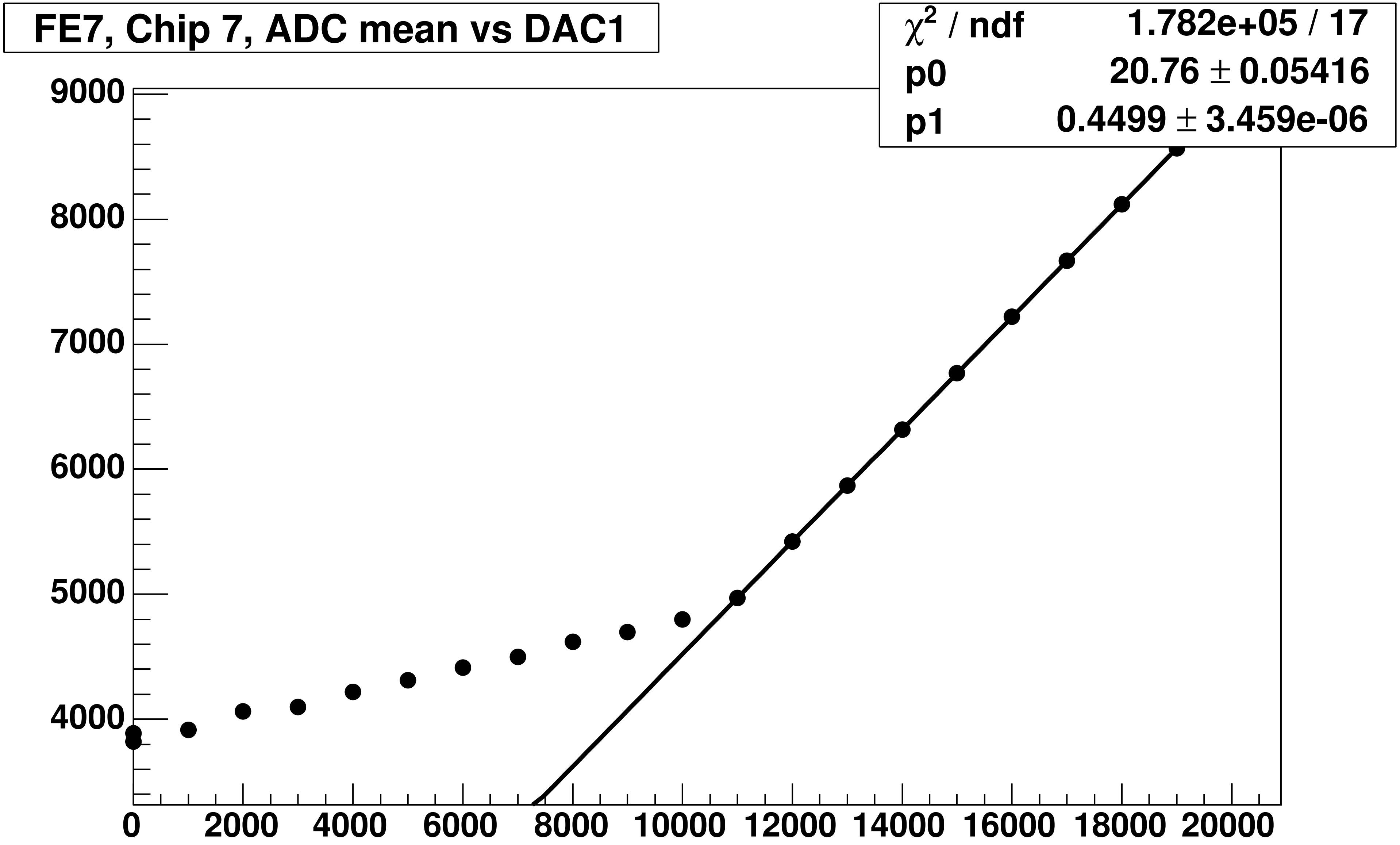


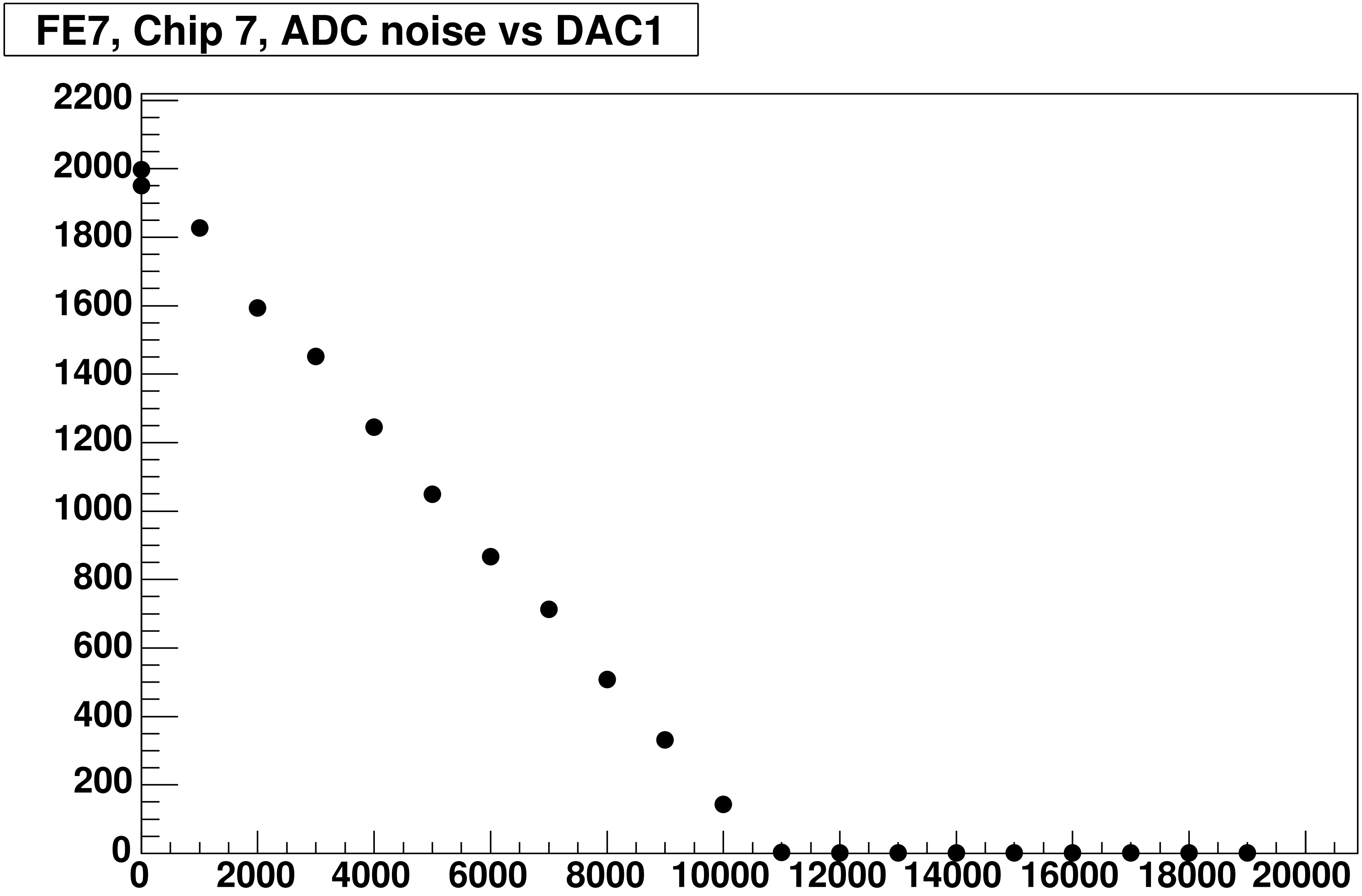
FE7, Chip 7, ADC mean vs DAC0
χ^2 / ndf 48.22 / 17
p0 3865 ± 13.73
p1 -0.003006 ± 0.0012
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000

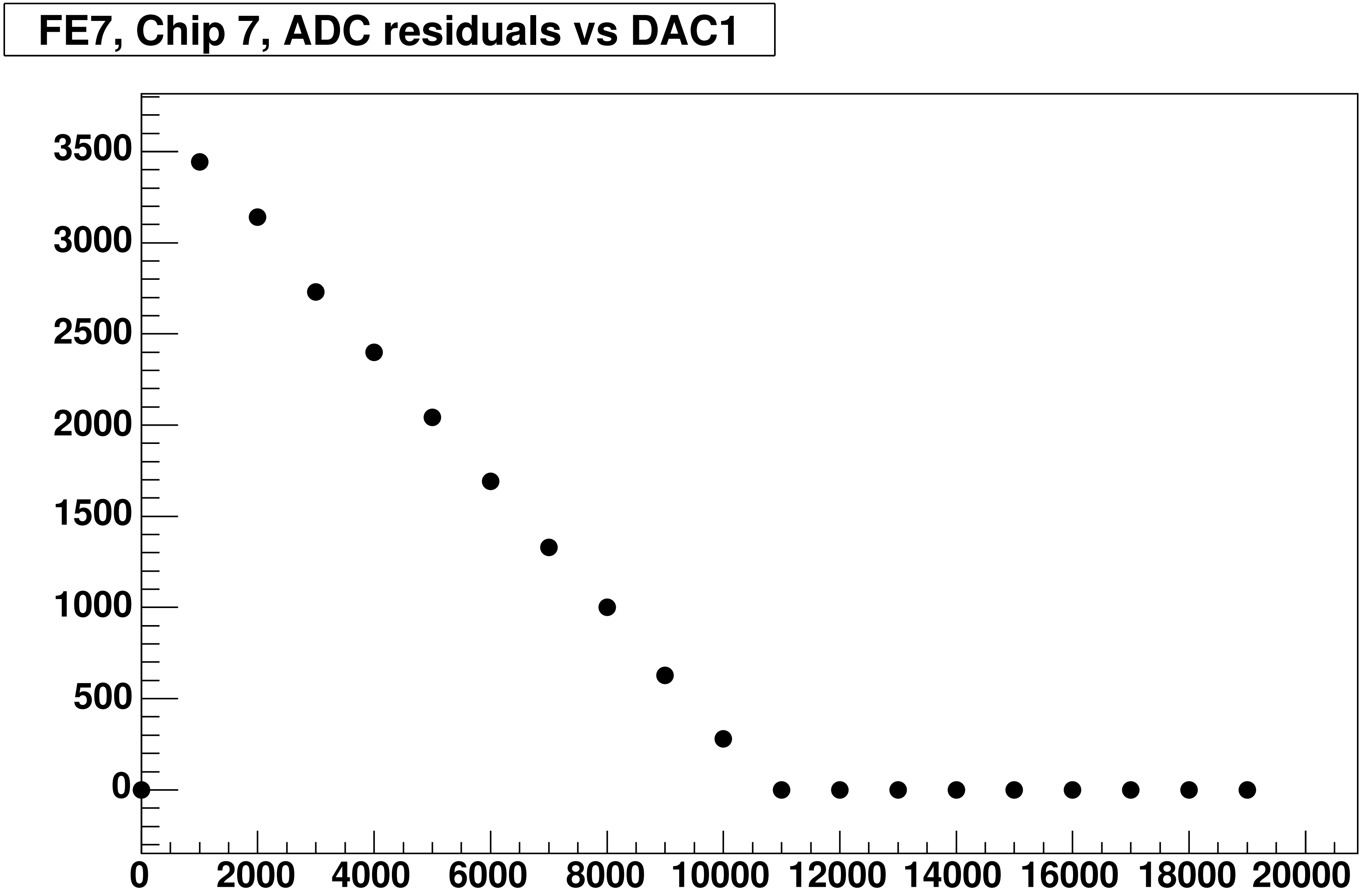


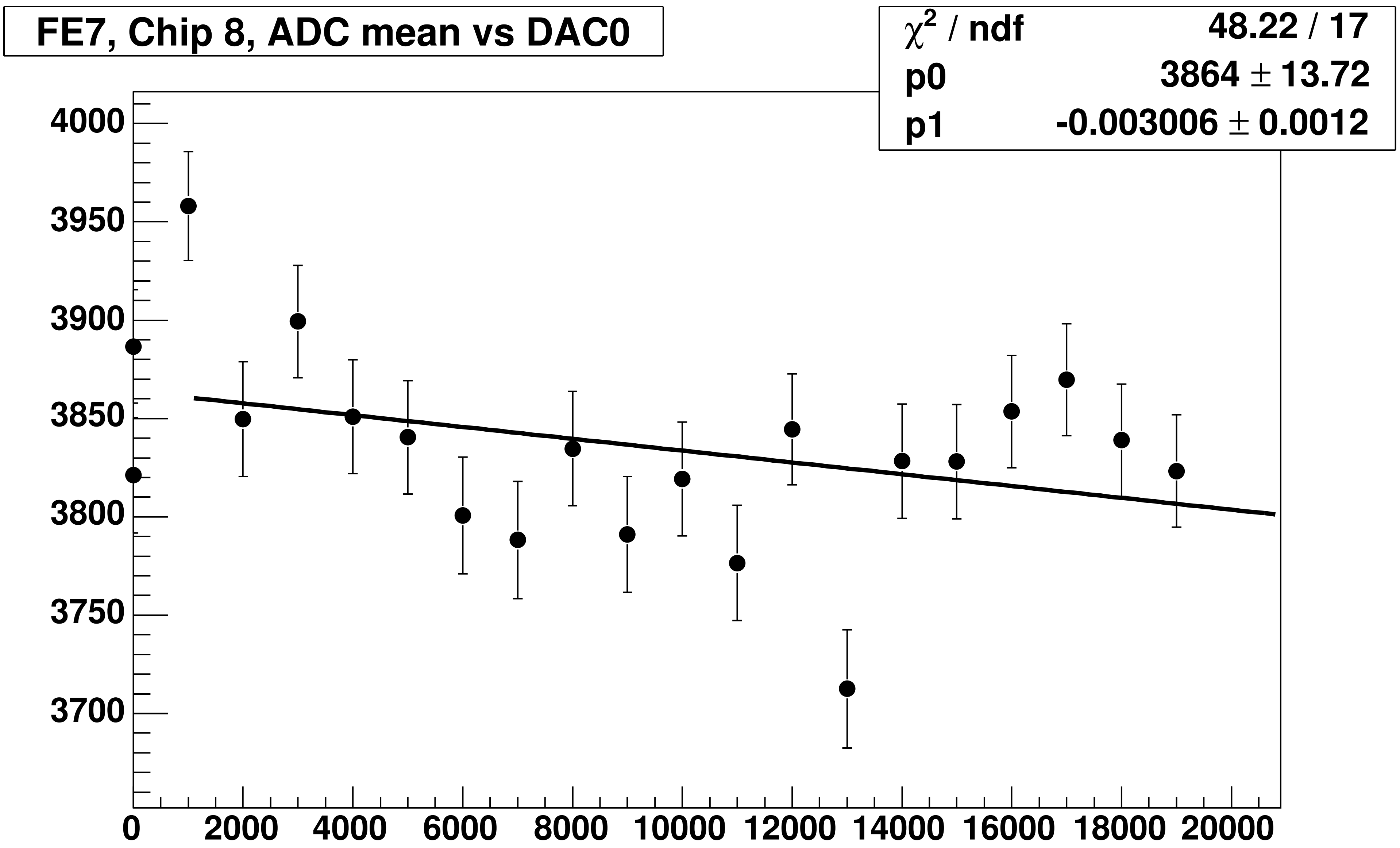
FE7, Chip 7, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 7, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 7, ADC mean vs DAC1
χ2 / ndf 1.782e+05 / 17
p0 20.76 ± 0.05416
p1 0.4499 ± 3.459e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 7, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 7, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 8, ADC mean vs DAC0
χ^2 / ndf 48.22 / 17
p0 3864 ± 13.72
p1 -0.003006 ± 0.0012
4000
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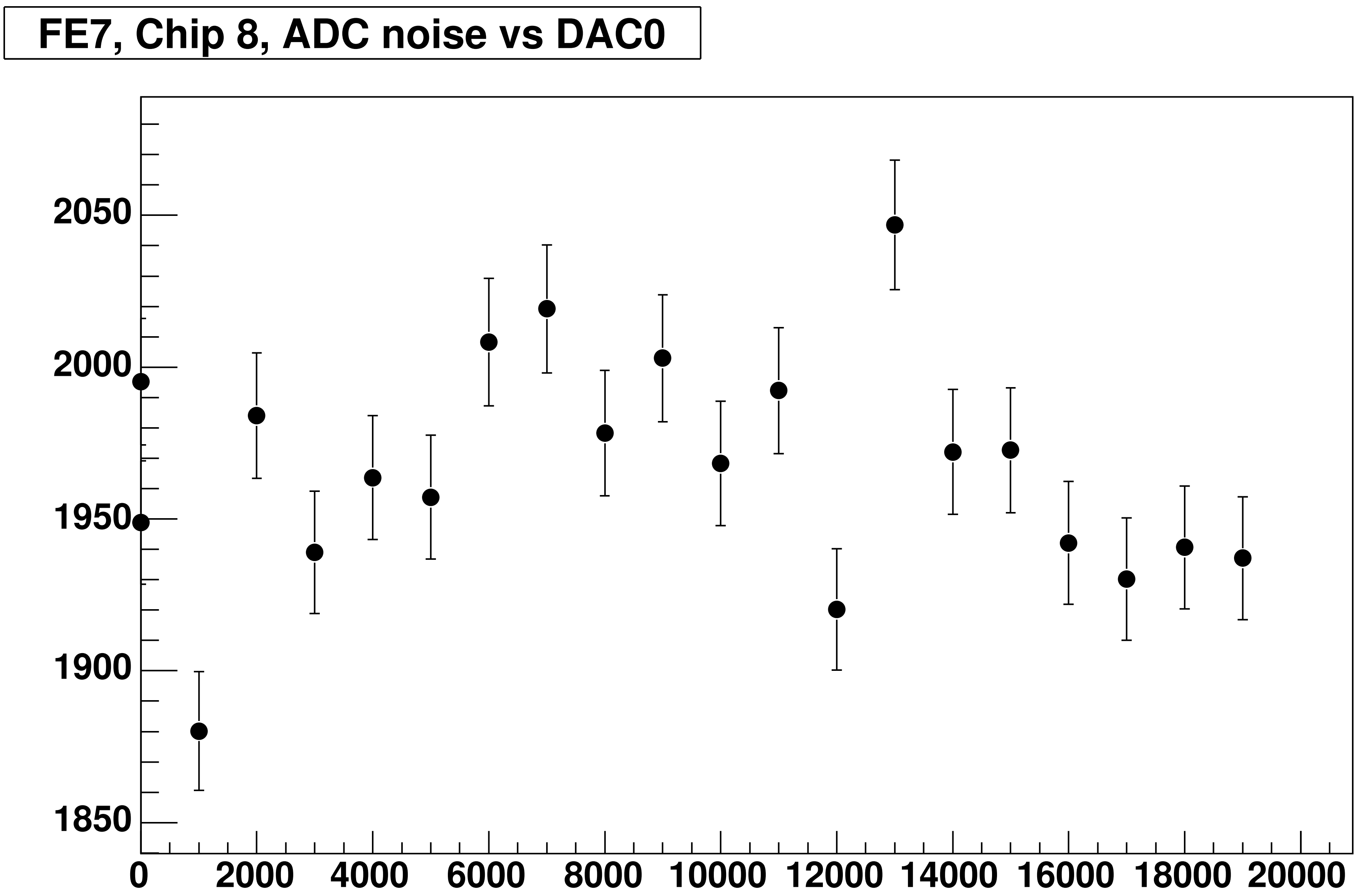
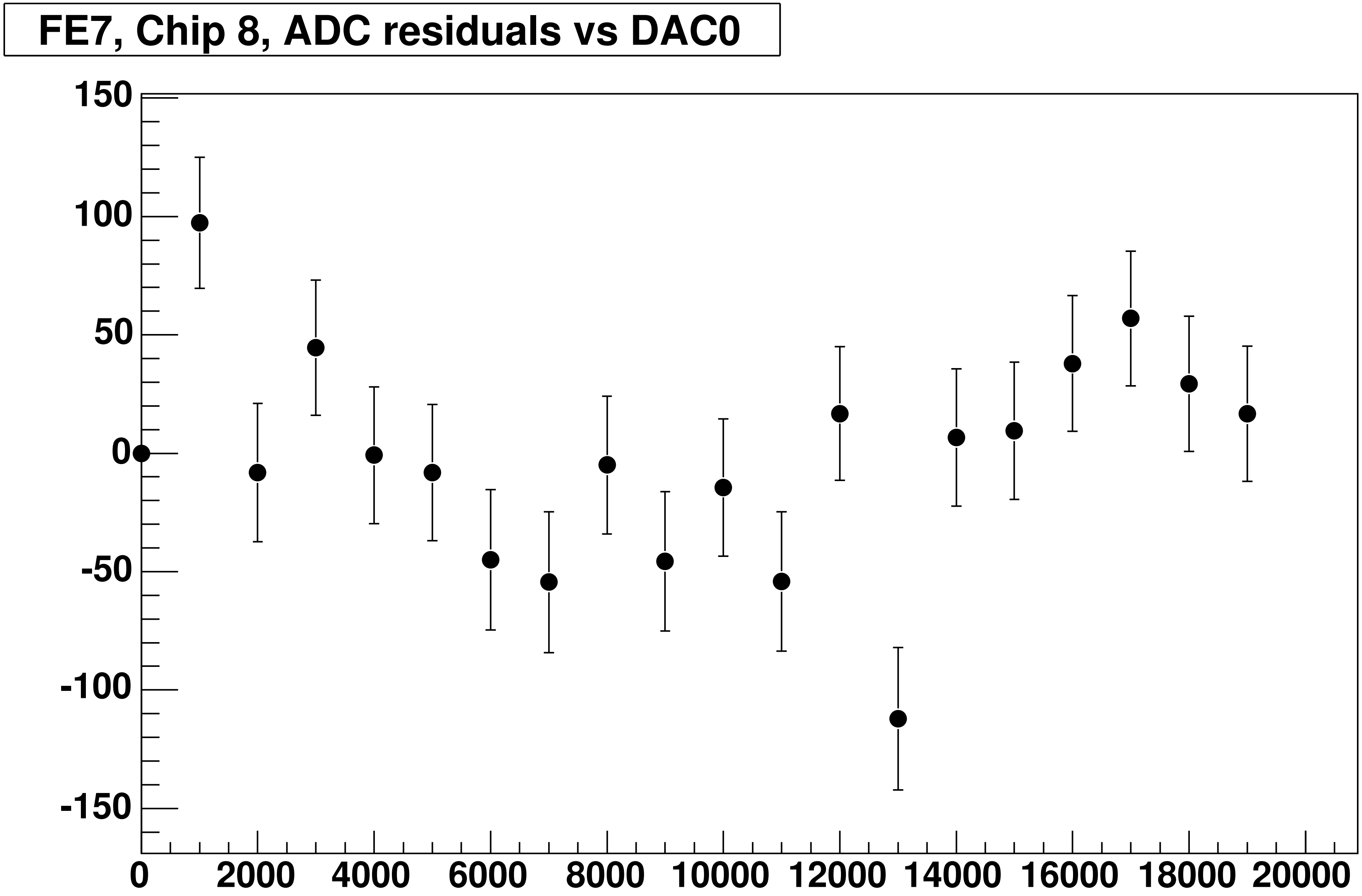
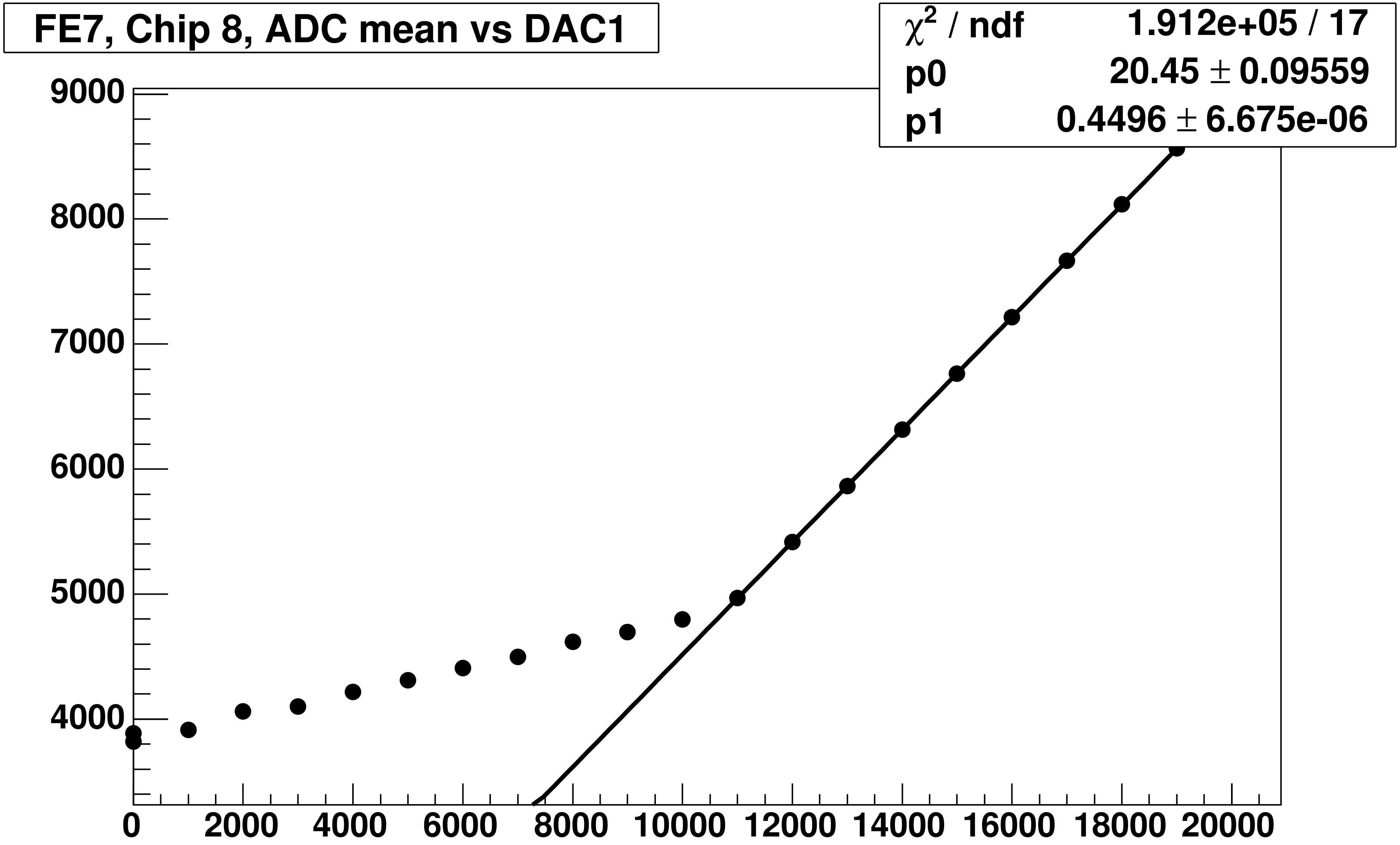
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 8, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 8, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 8, ADC mean vs DAC1
χ^2 / ndf 1.912e+05 / 17
p0 20.45 ± 0.09559
p1 0.4496 ± 6.675e-06
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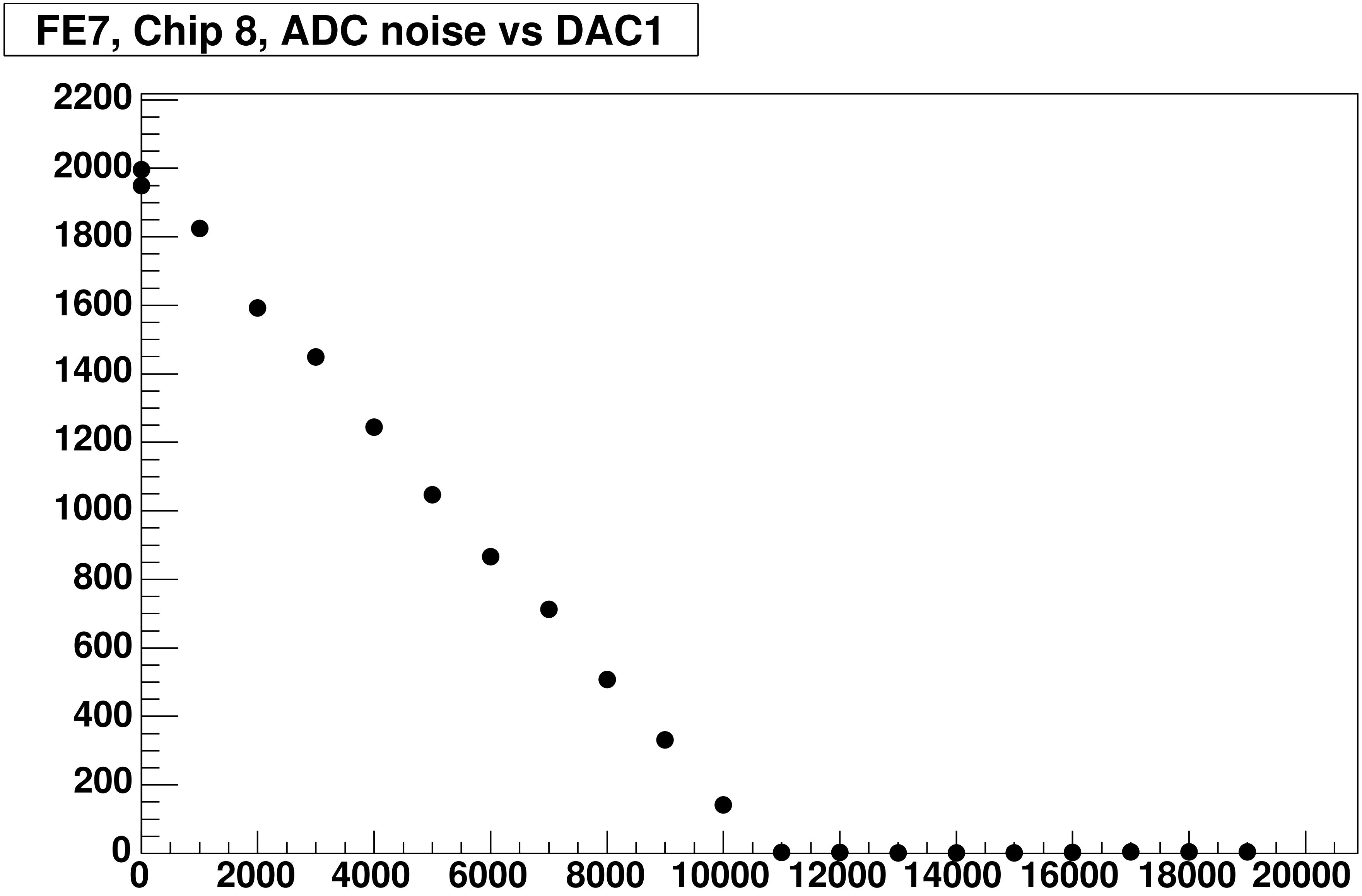
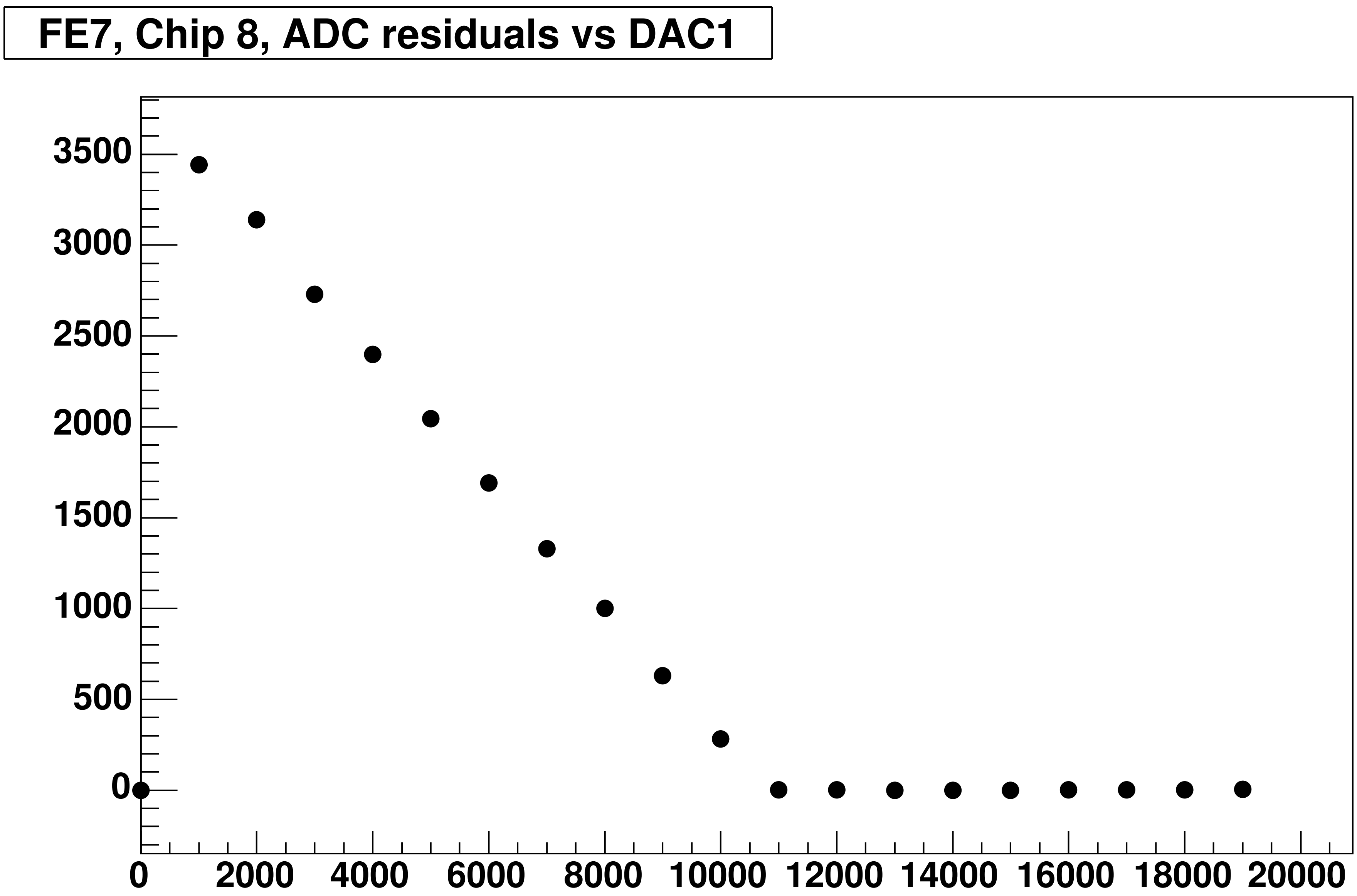
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 8, ADC noise vs DAC1
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 8, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
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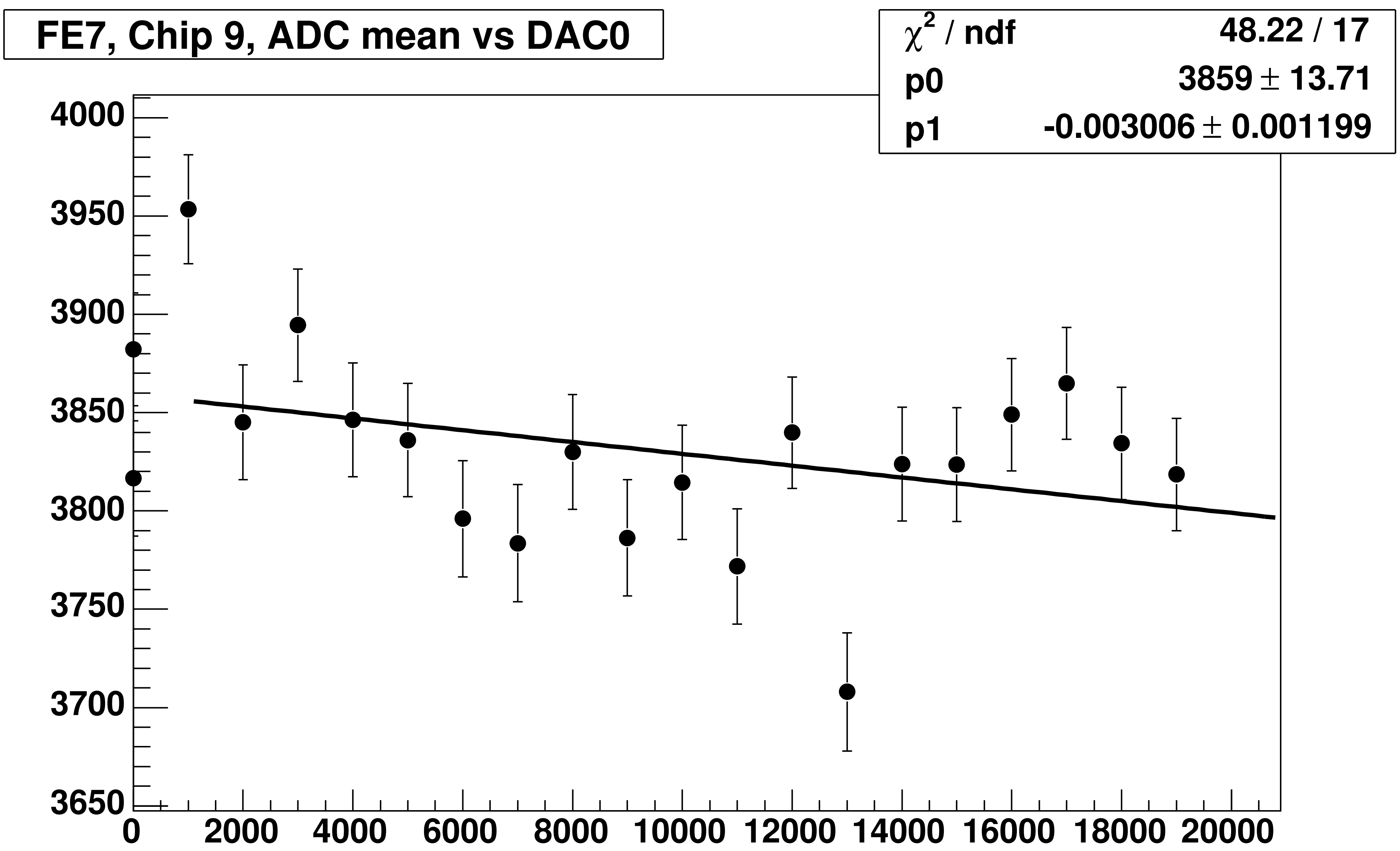
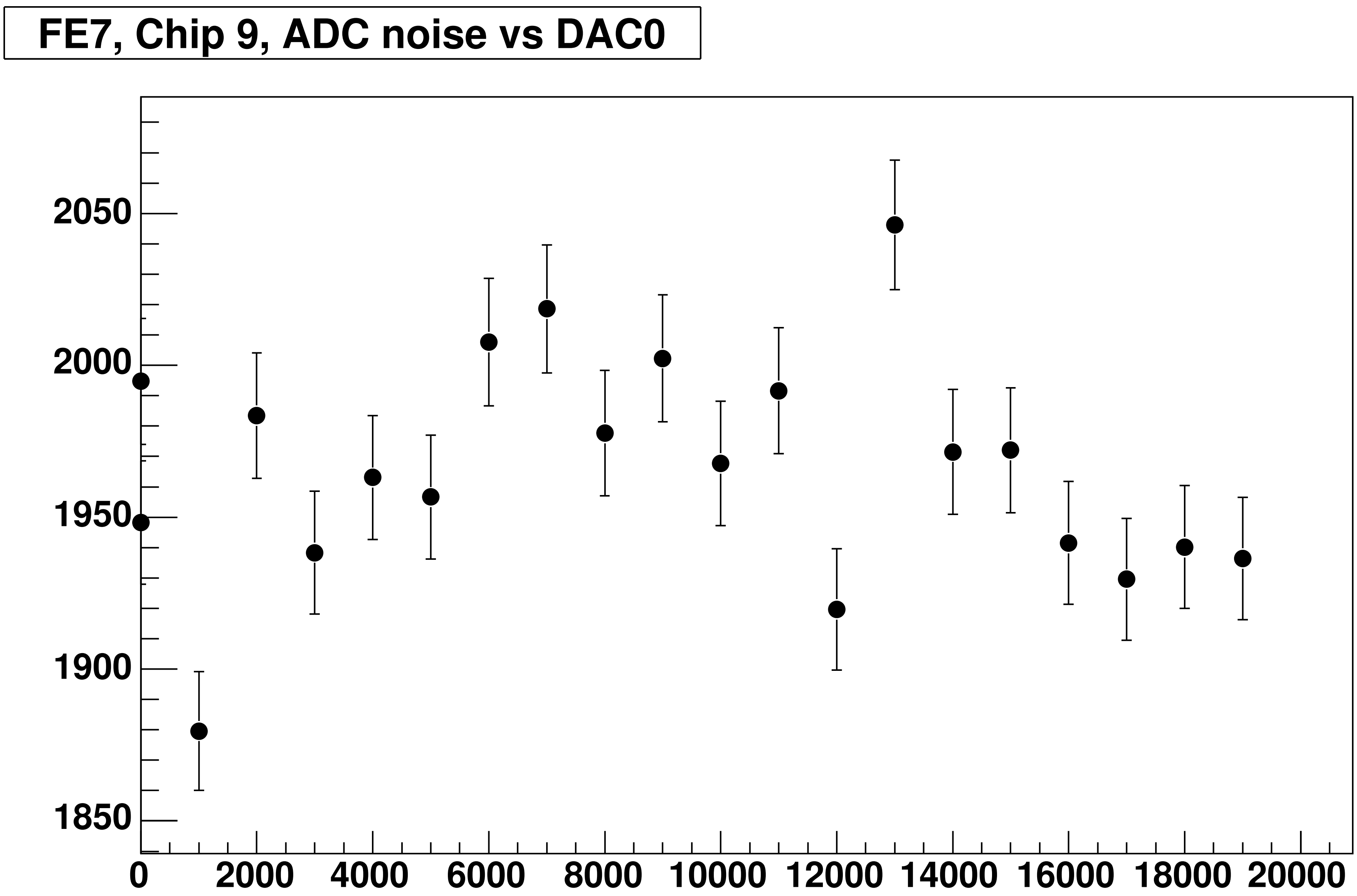
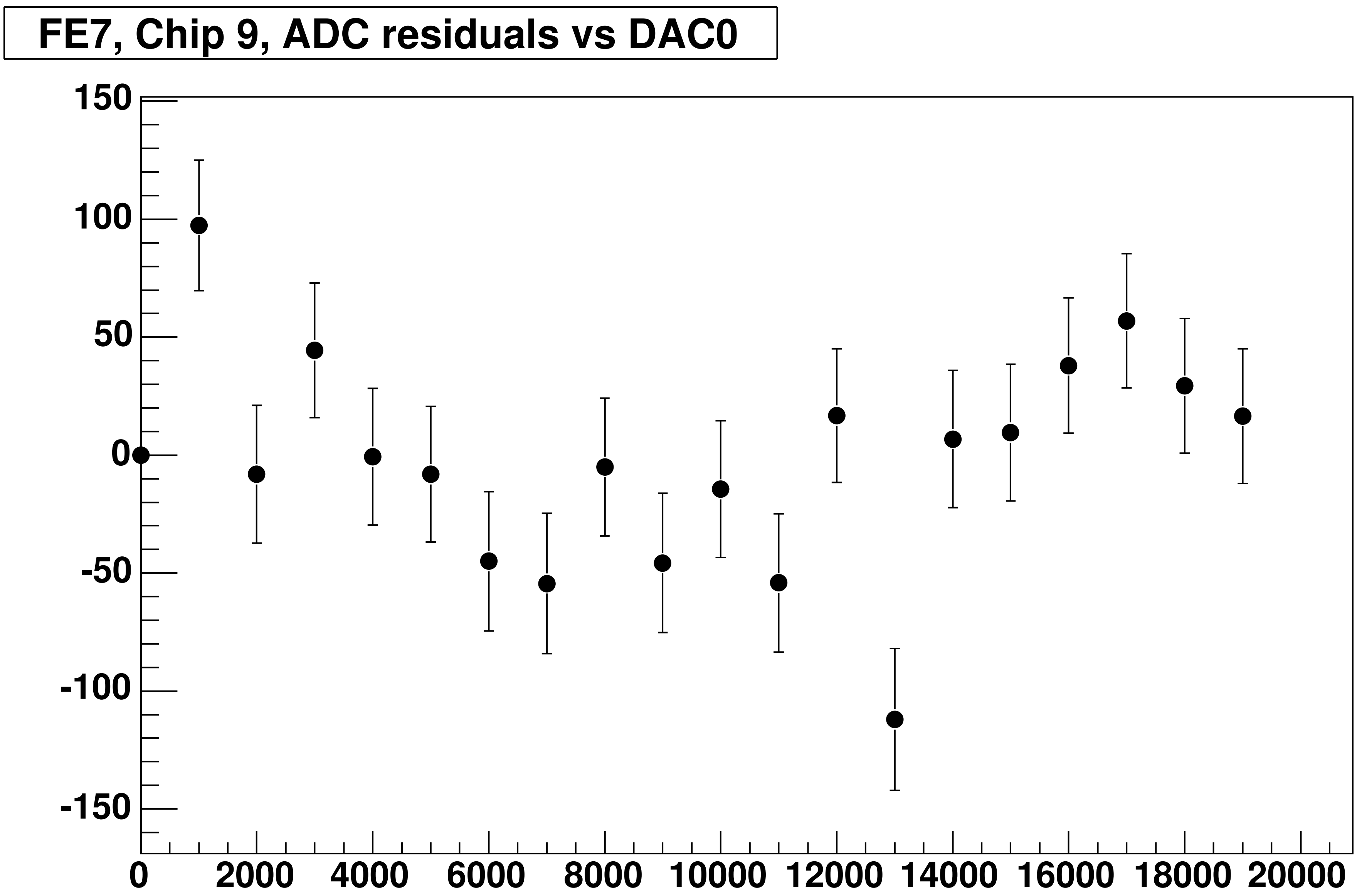
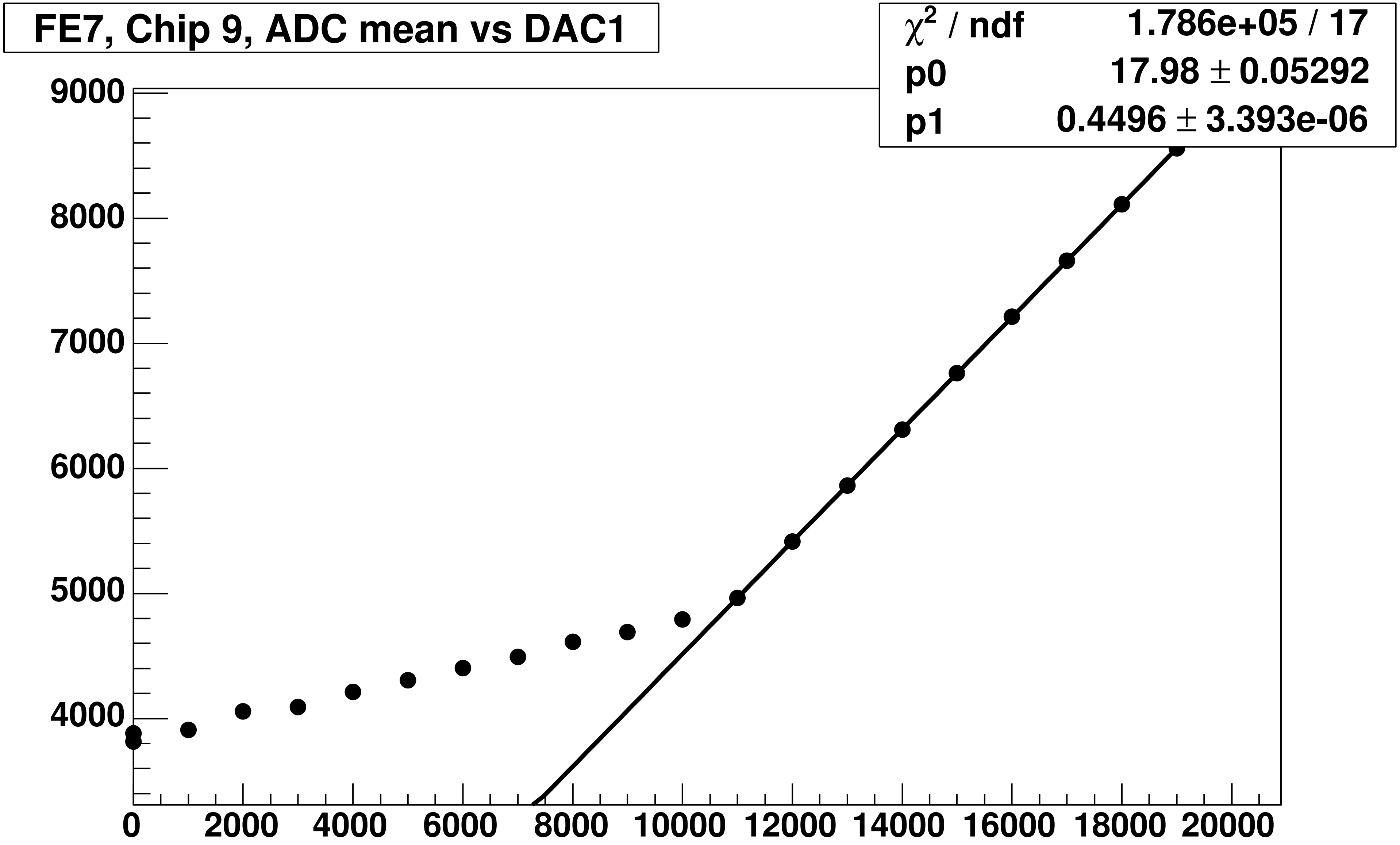
14000
16000
18000
20000


FE7, Chip 9, ADC mean vs DAC0
χ^2 / ndf 48.22 / 17
p0 3859 ± 13.71
p1 -0.003006 ± 0.001199
4000
3950
3900
3850
3800
3750
3700
3650
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 9, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 9, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 9, ADC mean vs DAC1
χ² / ndf 1.786e+05 / 17
p0 17.98 ± 0.05292
p1 0.4496 ± 3.393e-06
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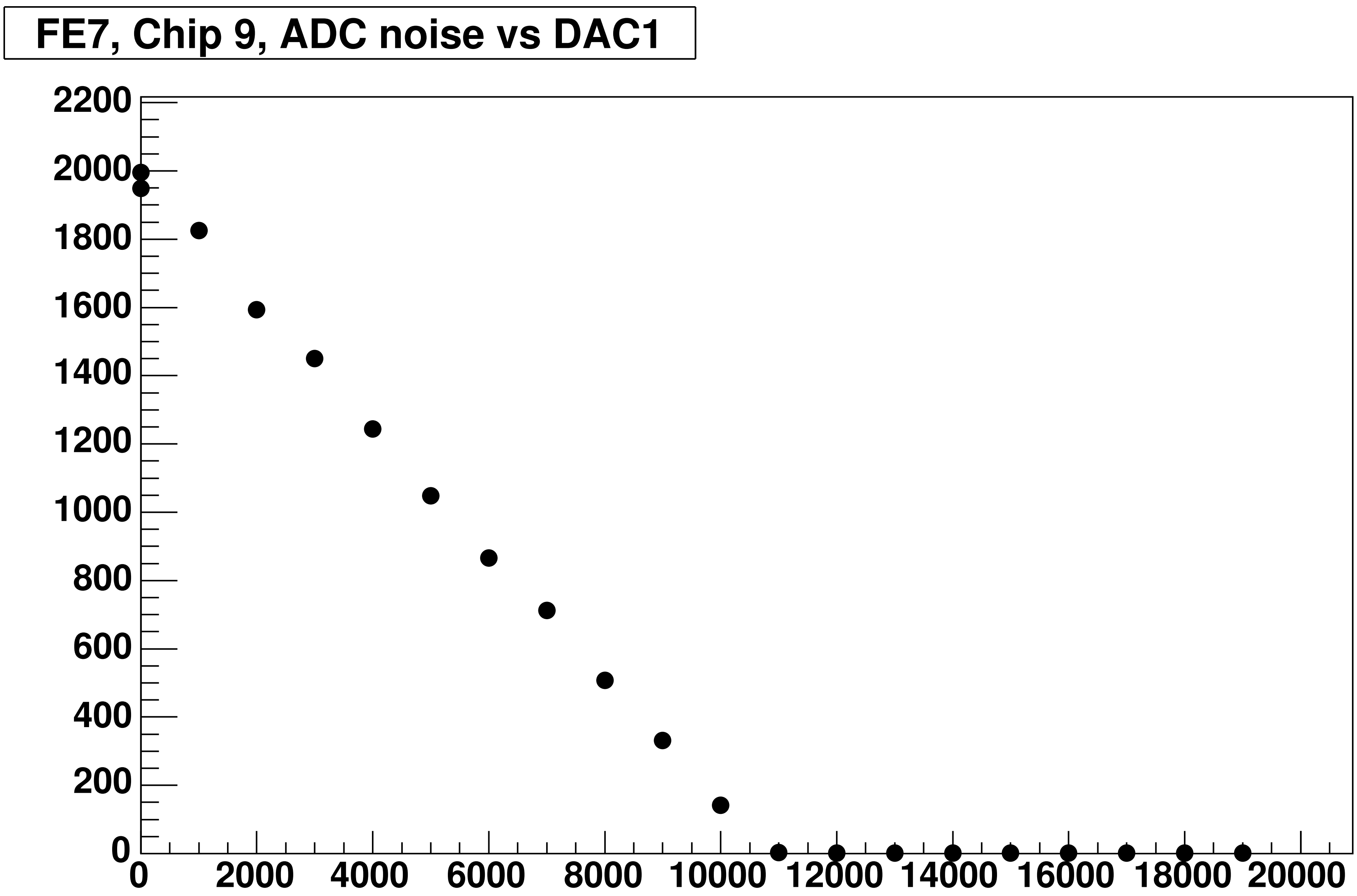
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 9, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
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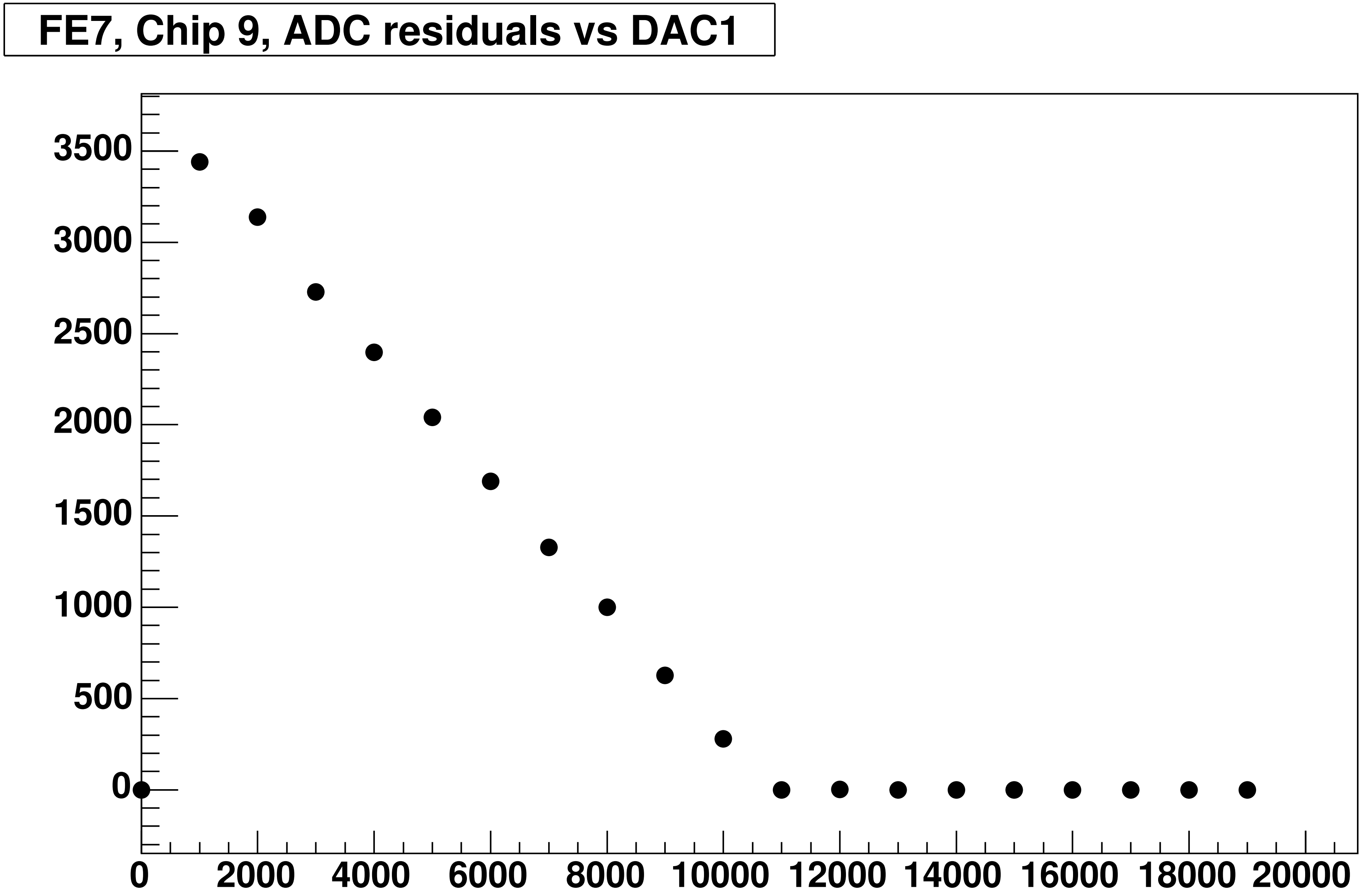
FE7, Chip 9, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
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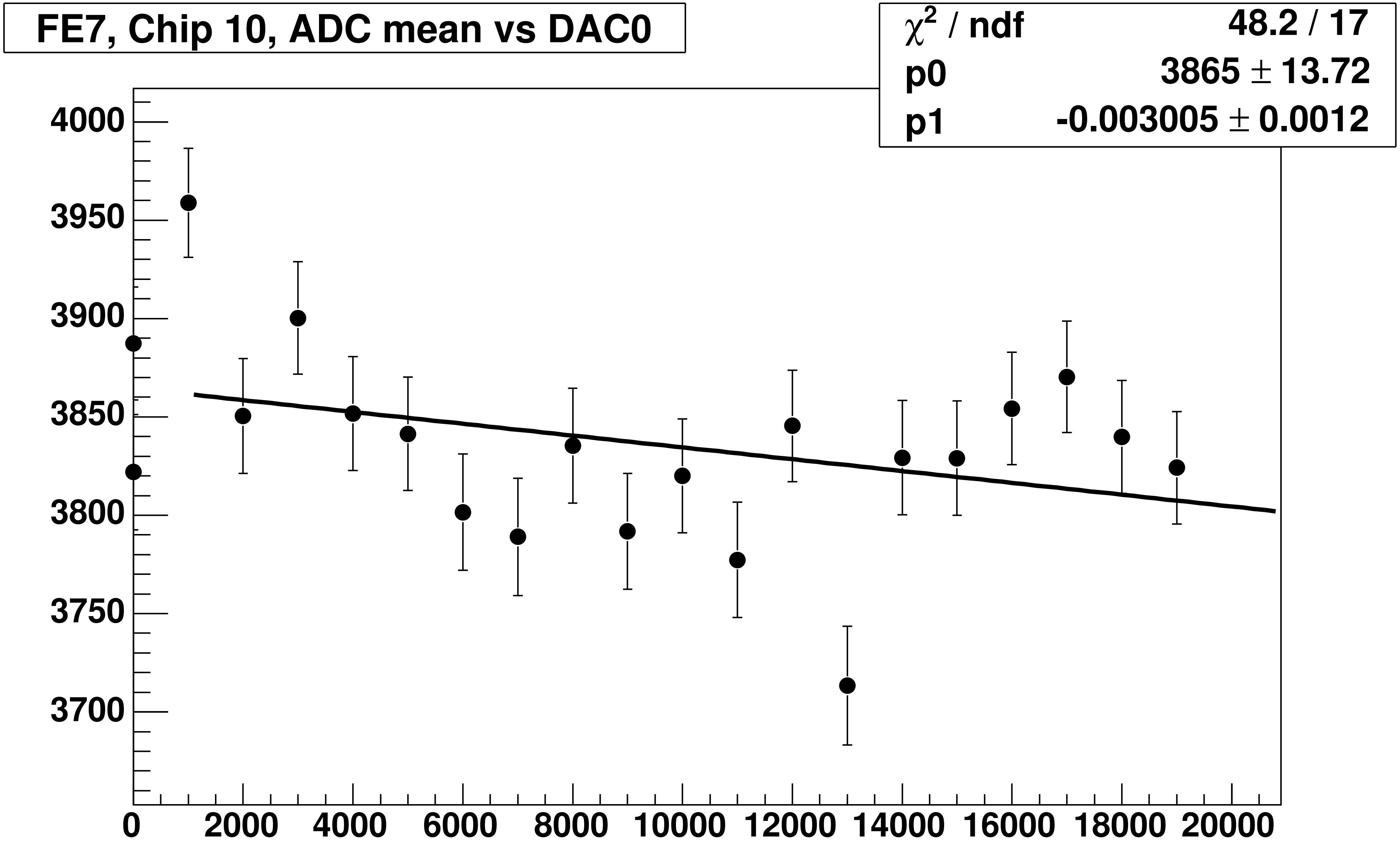

FE7, Chip 10, ADC mean vs DAC0
χ^2 / ndf 48.2 / 17
p0 3865 ± 13.72
p1 -0.003005 ± 0.0012
4000
3950
3900
3850
3800
3750
3700
0
2000
4000
6000
8000
10000
12000
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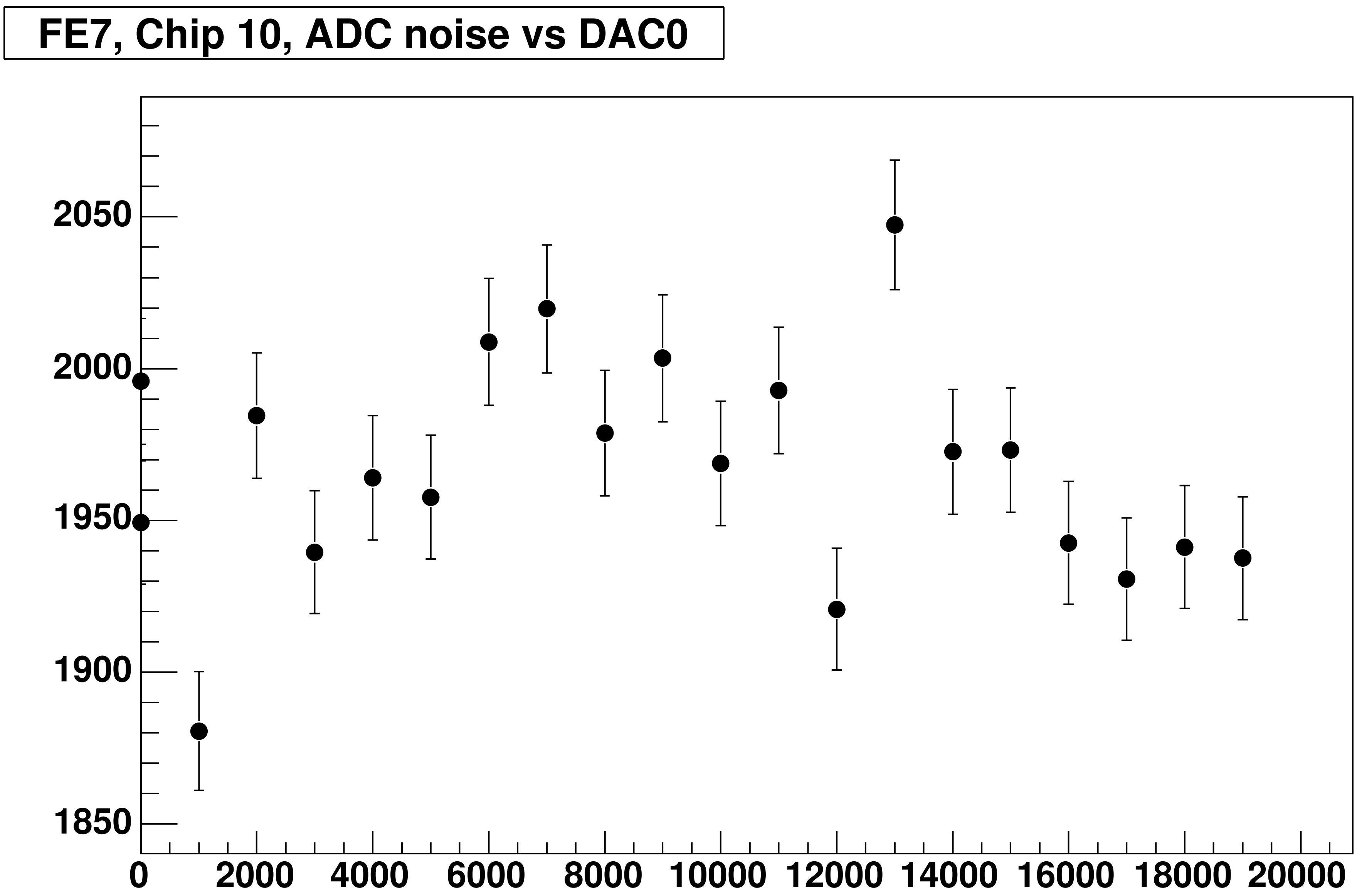
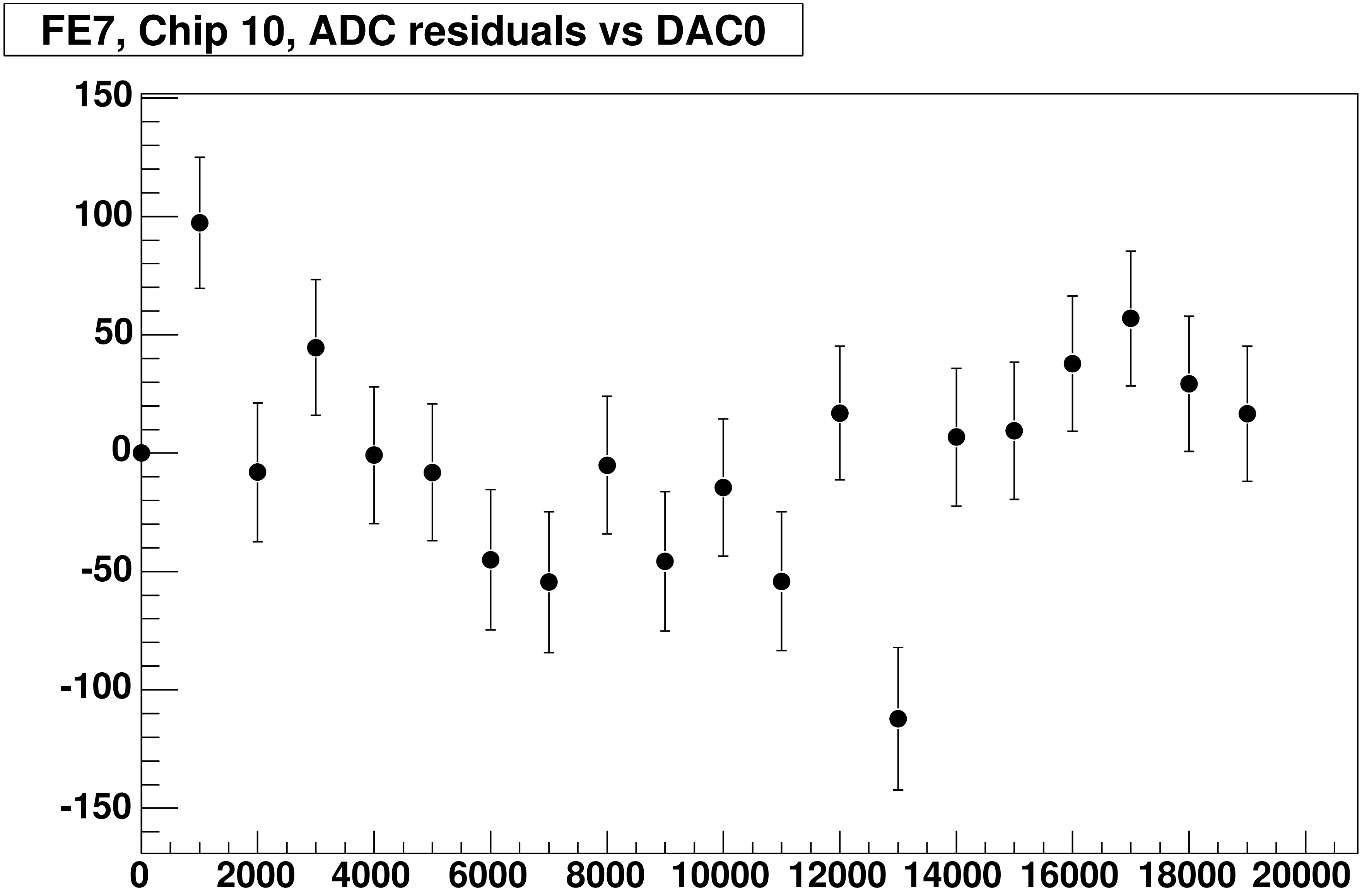
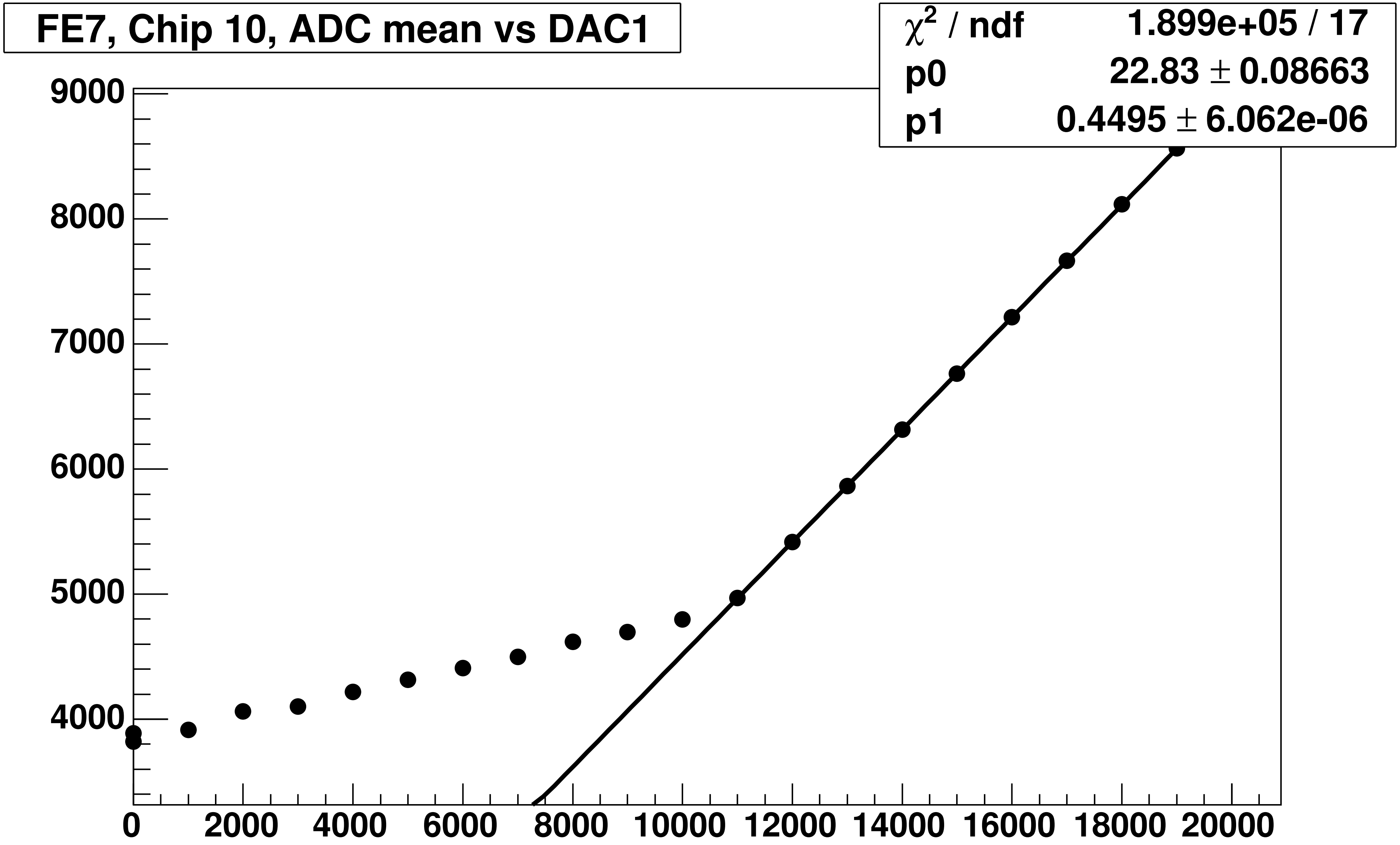

FE7, Chip 10, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 10, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 10, ADC mean vs DAC1
χ^2 / ndf 1.899e+05 / 17
p0 22.83 ± 0.08663
p1 0.4495 ± 6.062e-06
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8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
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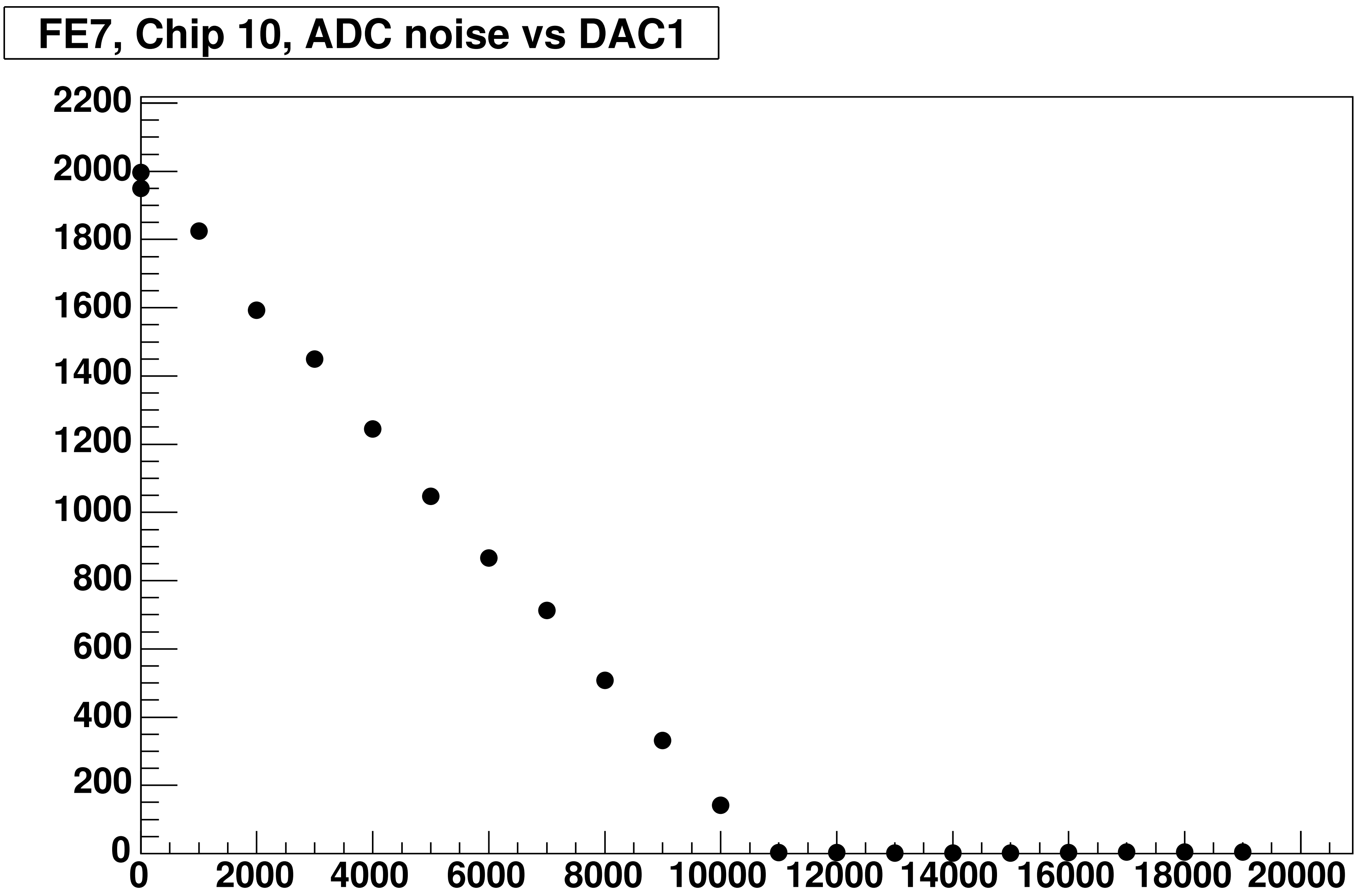

FE7, Chip 10, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
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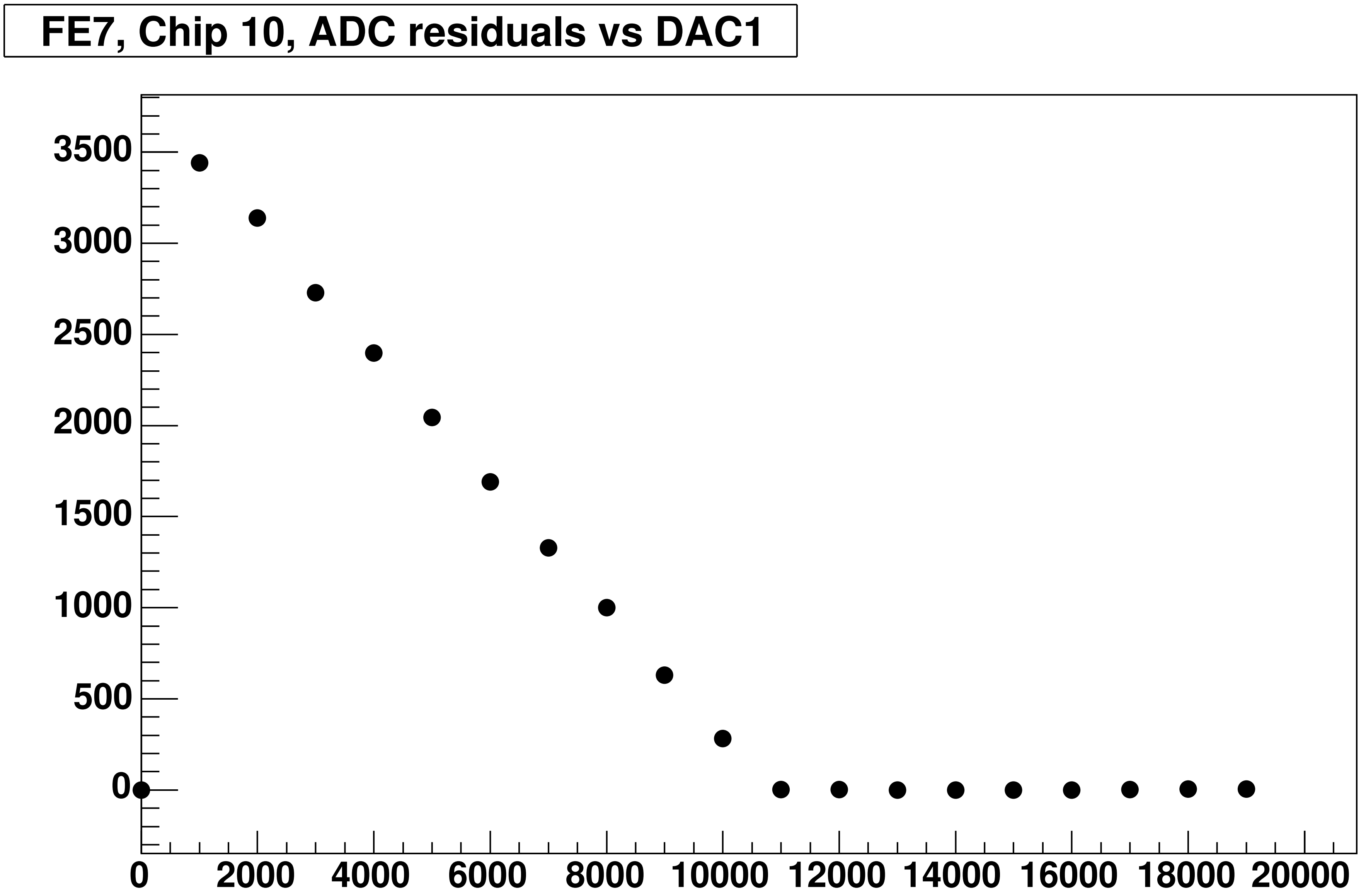
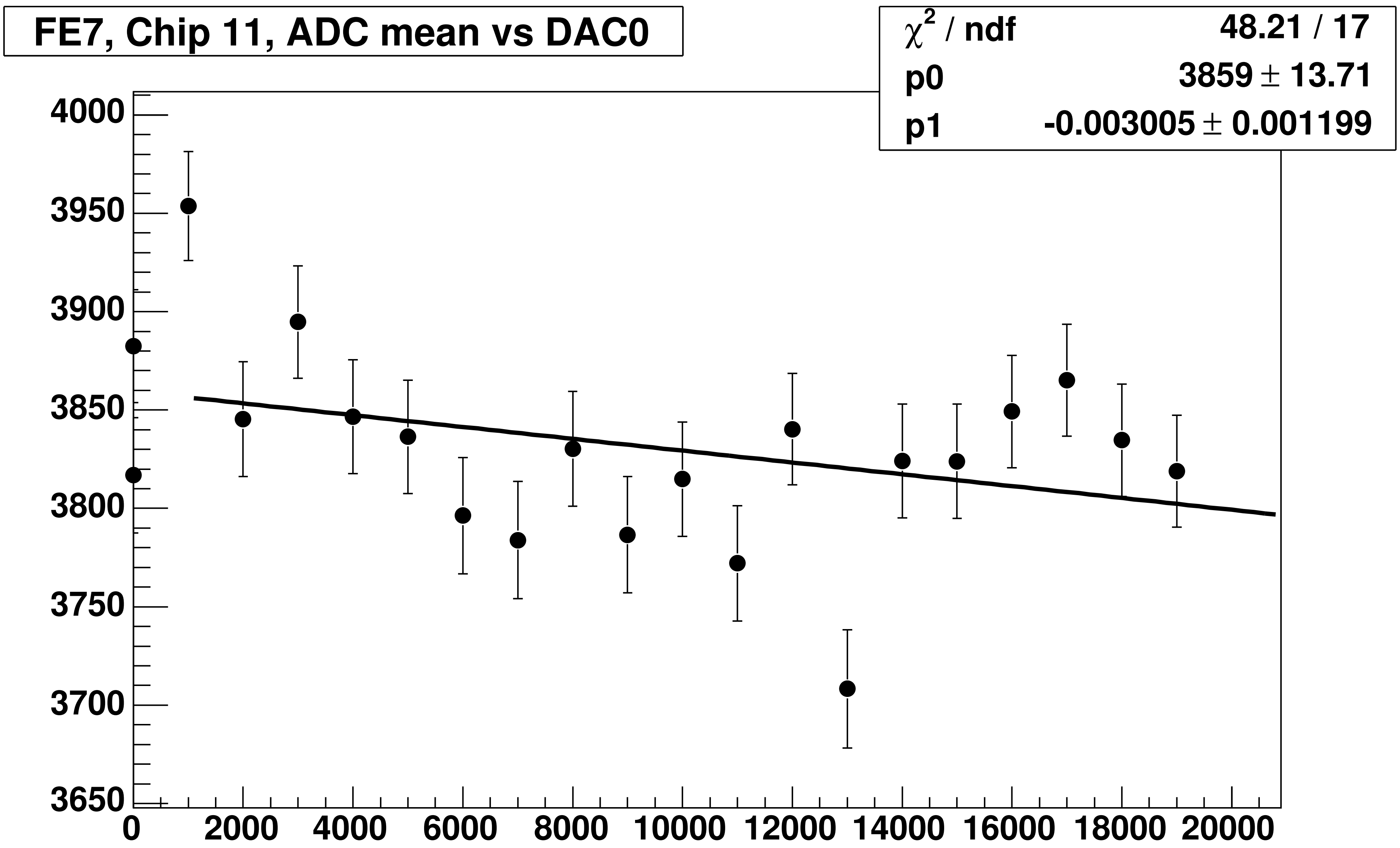


FE7, Chip 10, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 11, ADC mean vs DAC0
χ^2 / ndf 48.21 / 17
p0 3859 ± 13.71
p1 -0.003005 ± 0.001199
4000
3950
3900
3850
3800
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3700
3650
0
2000
4000
6000
8000
10000
12000
14000
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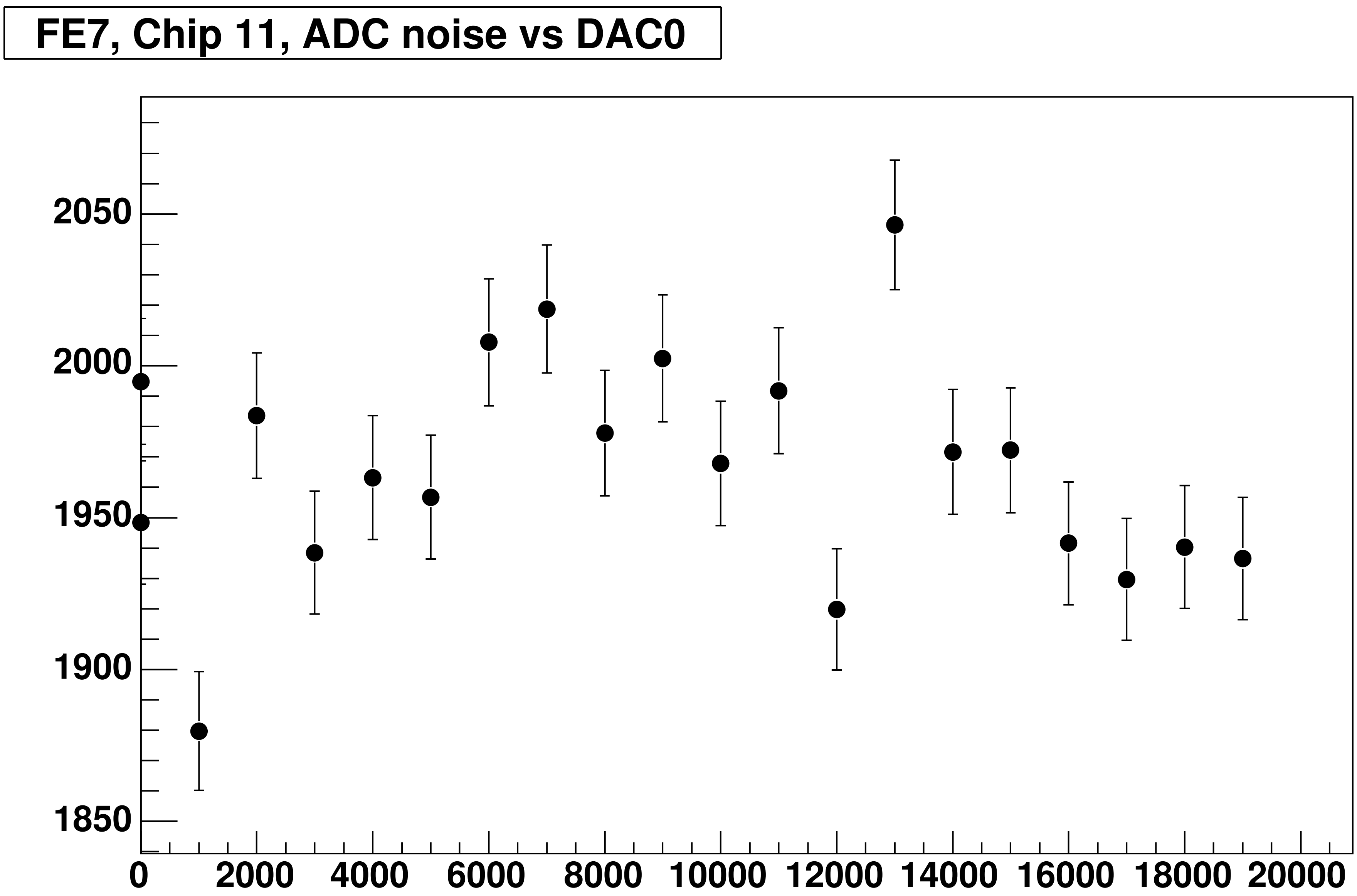
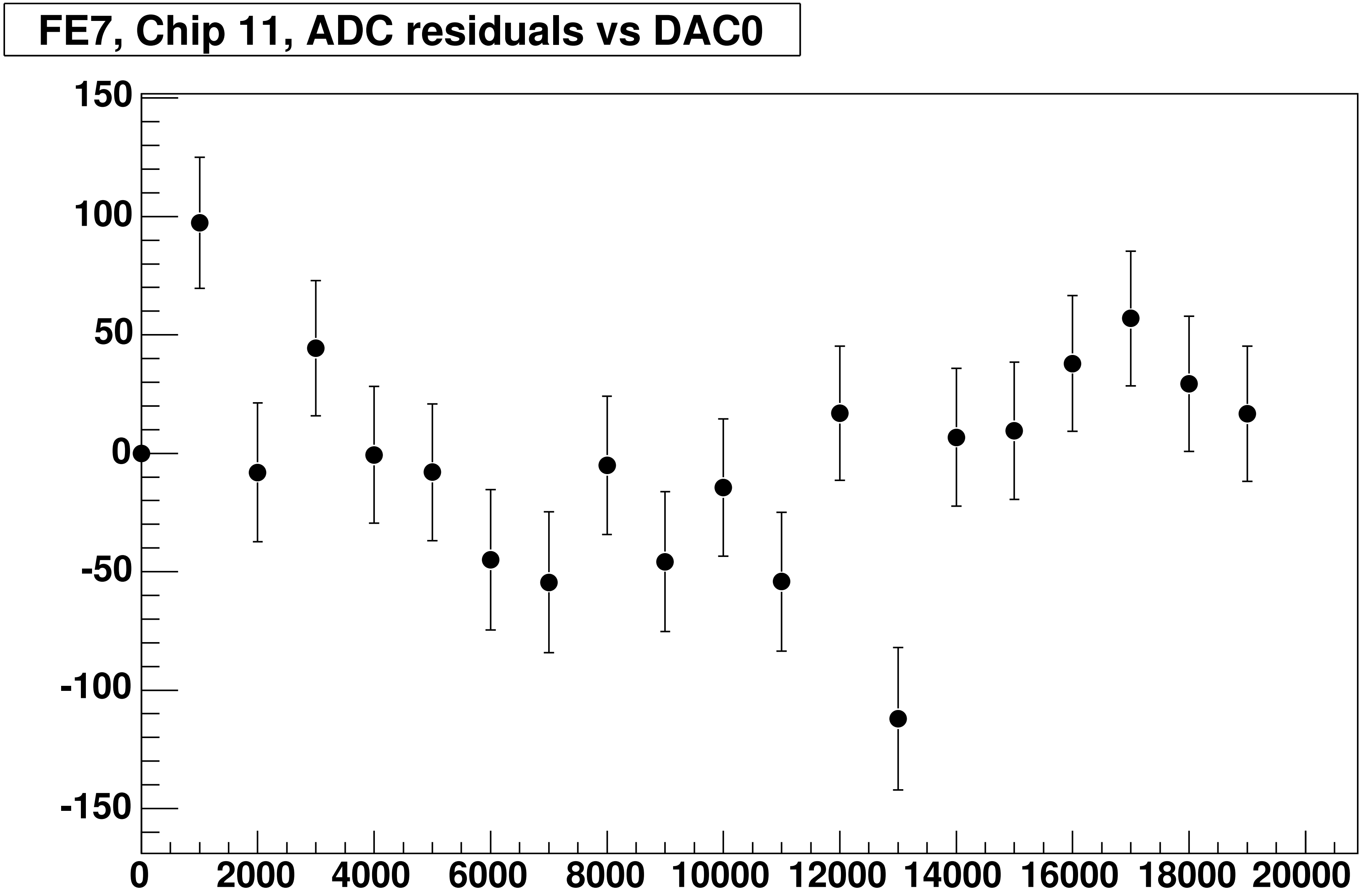

FE7, Chip 11, ADC noise vs DAC0
2050
2000
1950
1900
1850
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000



FE7, Chip 11, ADC residuals vs DAC0
150
100
50
0
-50
-100
-150
0
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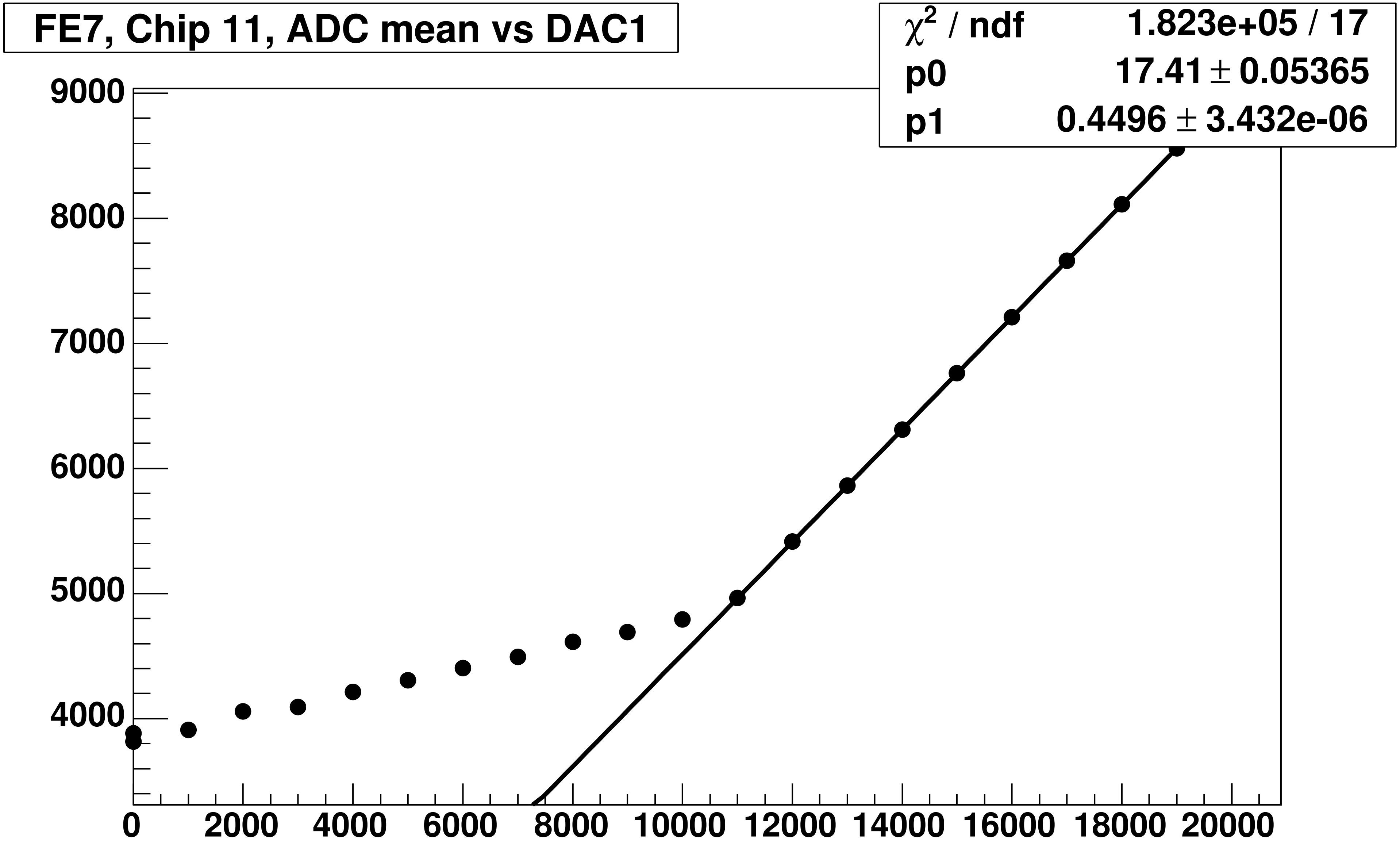
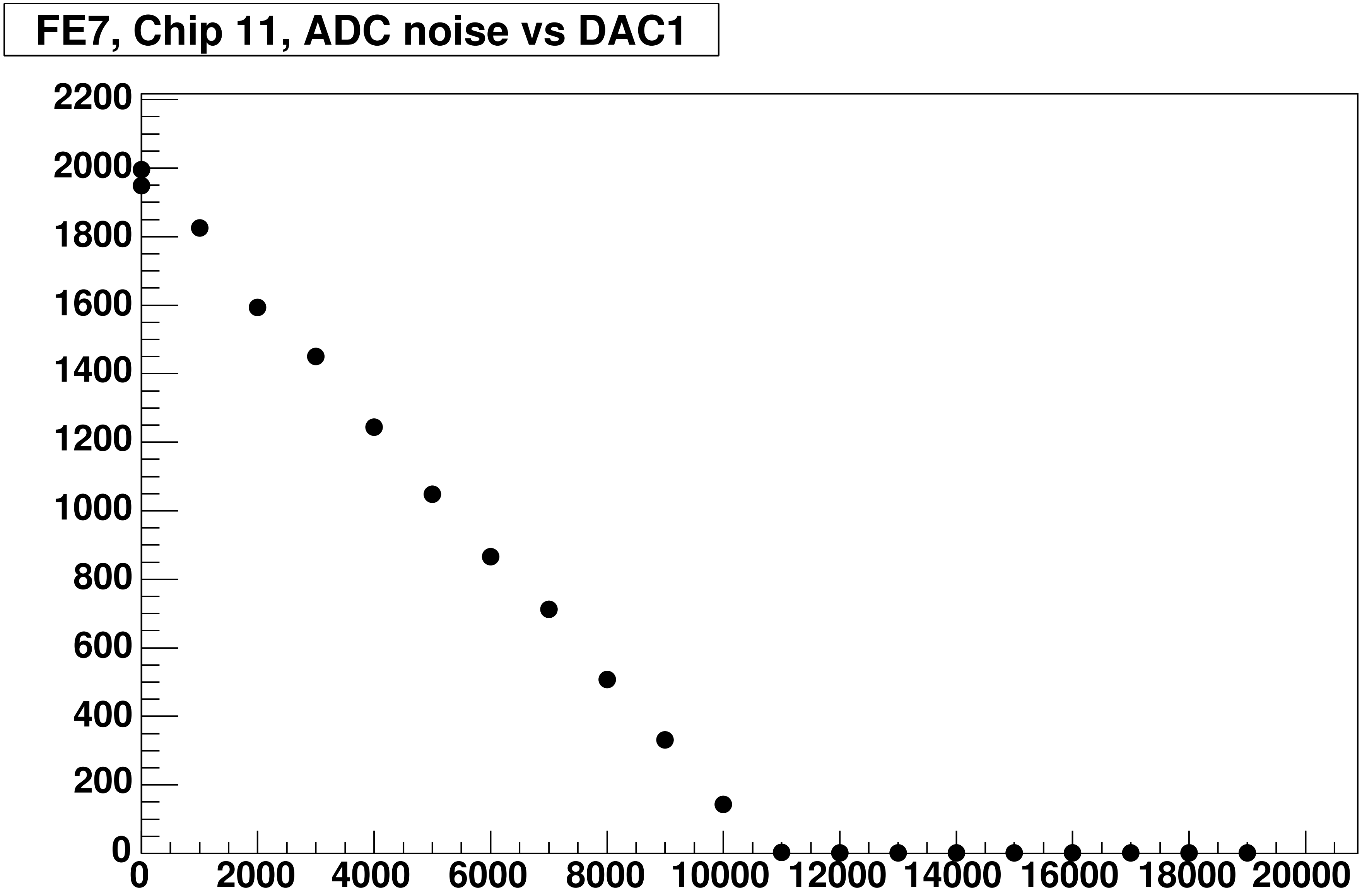
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 11, ADC mean vs DAC1
χ^2 / ndf 1.823e+05 / 17
p0 17.41 ± 0.05365
p1 0.4496 ± 3.432e-06
9000
8000
7000
6000
5000
4000
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


FE7, Chip 11, ADC noise vs DAC1
2200
2000
1800
1600
1400
1200
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400
200
0
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2000
4000
6000
8000
10000
12000
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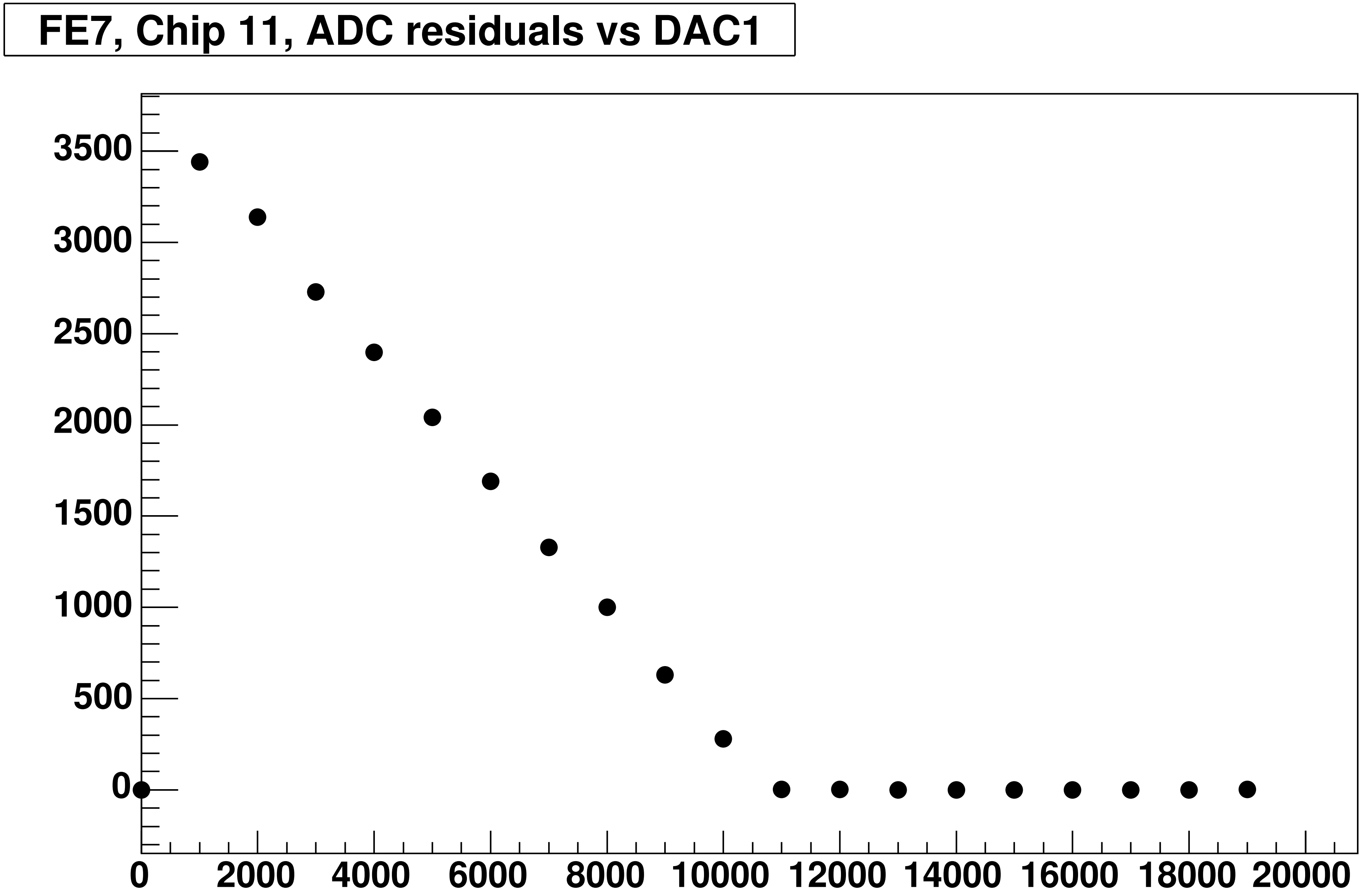
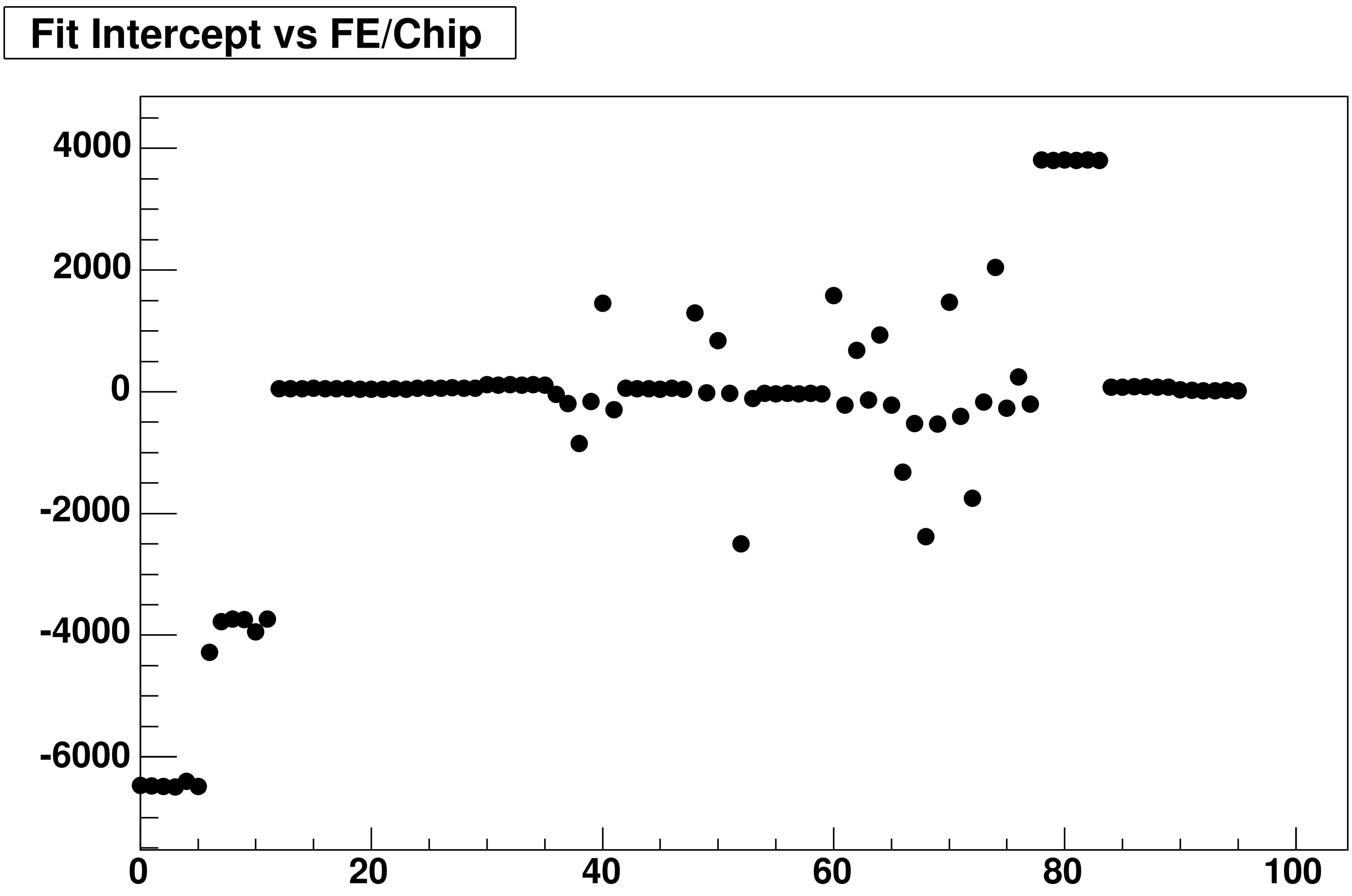
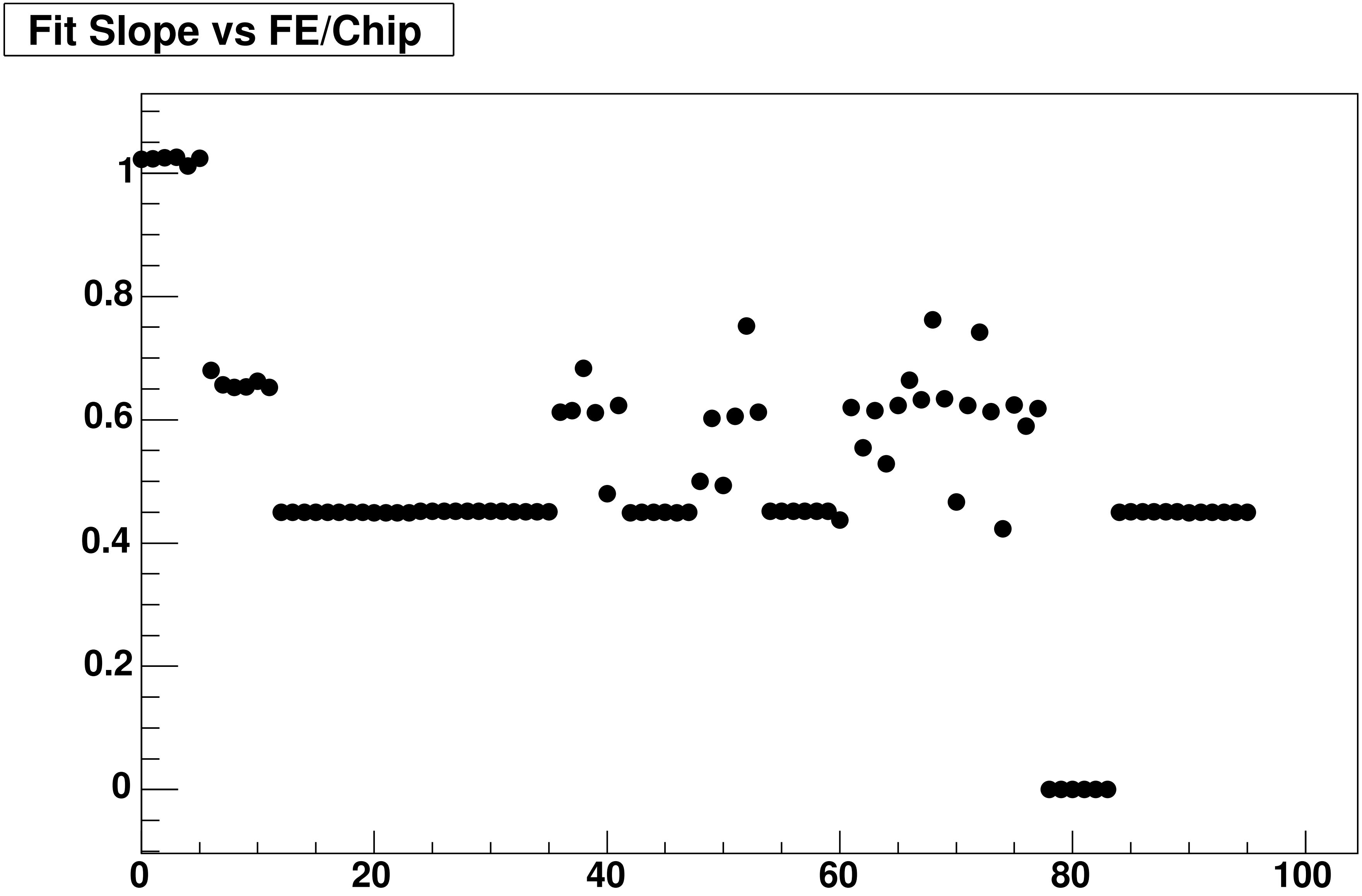
20000


FE7, Chip 11, ADC residuals vs DAC1
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000


Fit Intercept vs FE/Chip
4000
2000
0
-2000
-4000
-6000
0
20
40
60
80
100


Fit Slope vs FE/Chip
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100