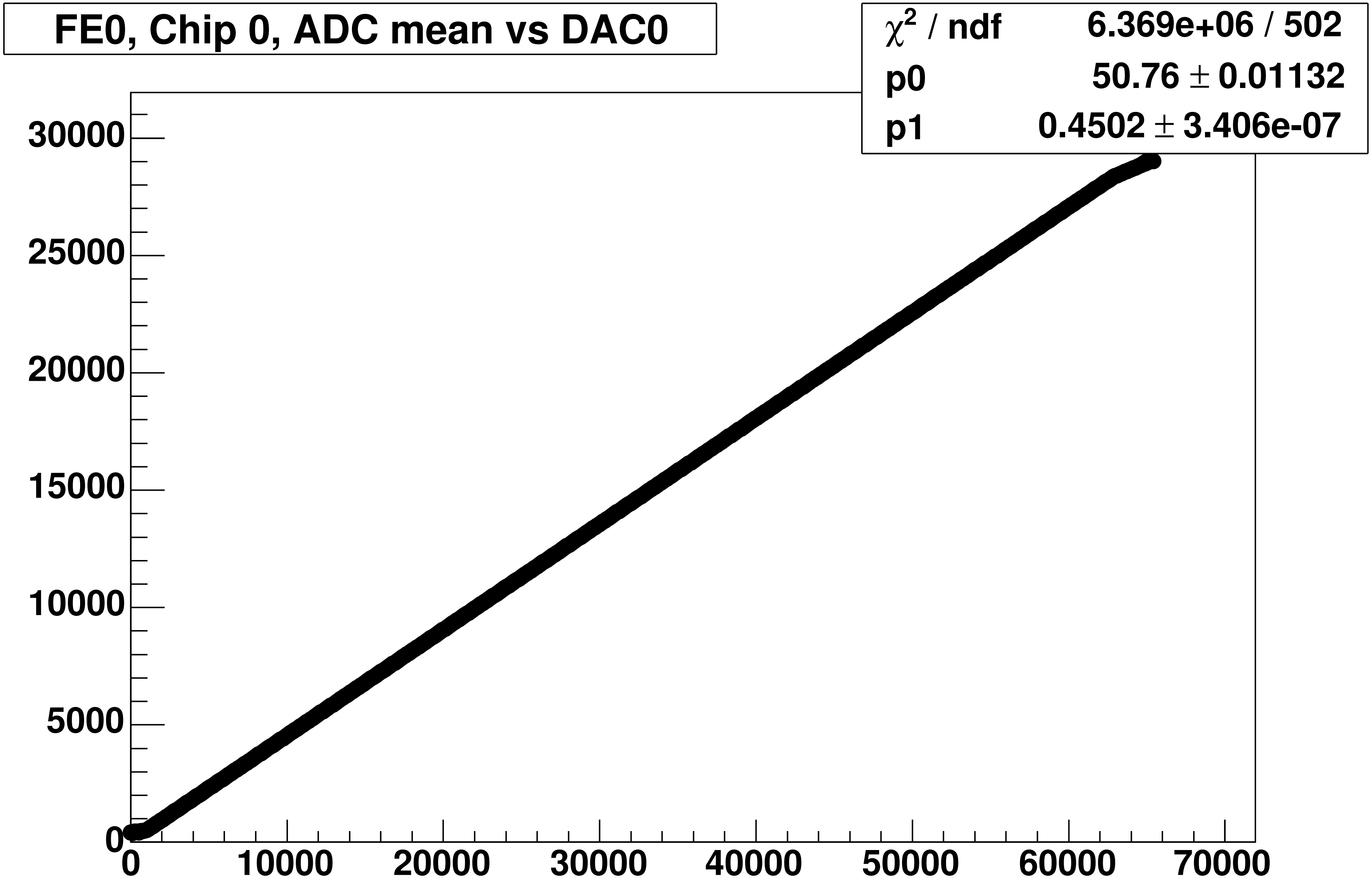
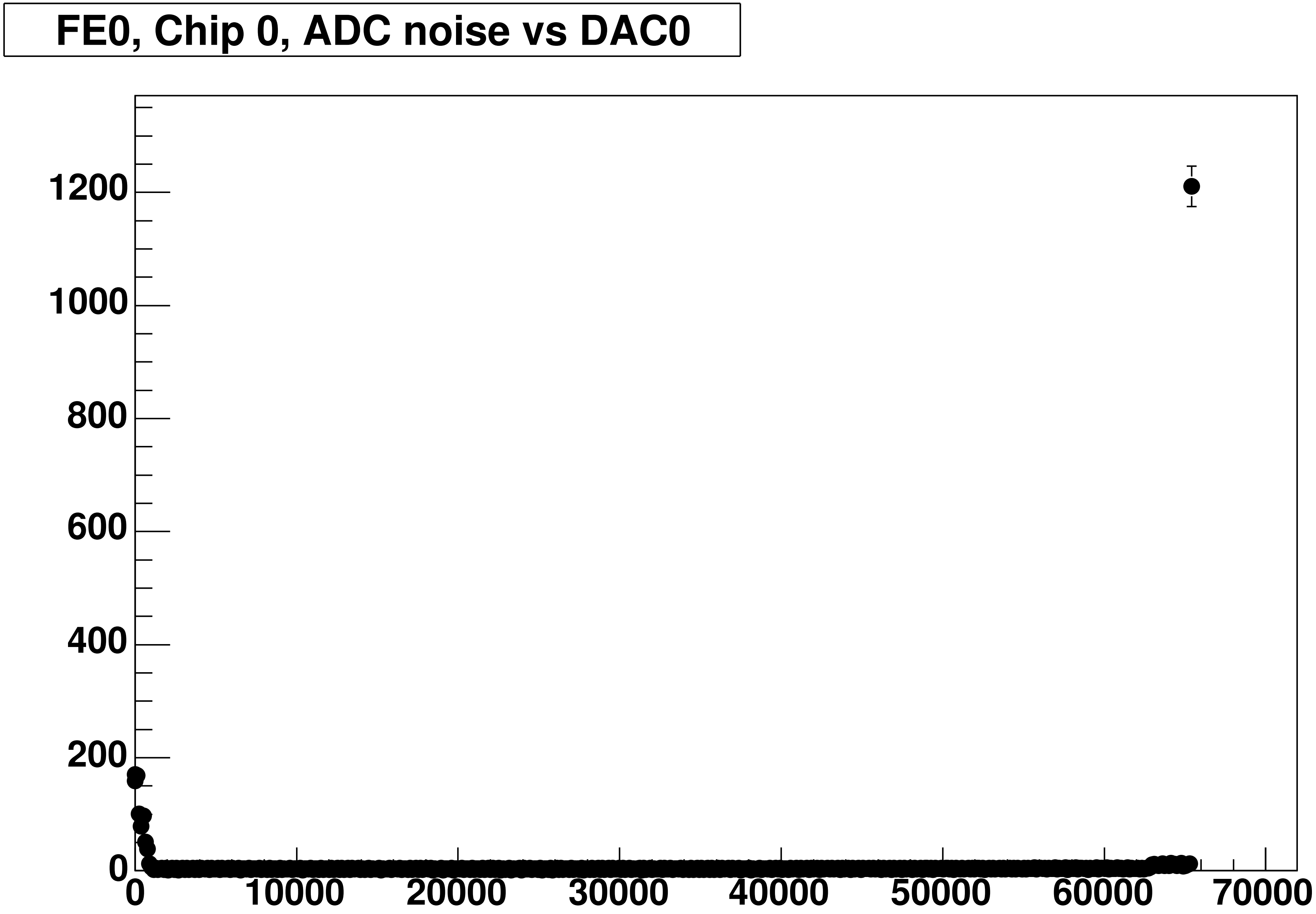
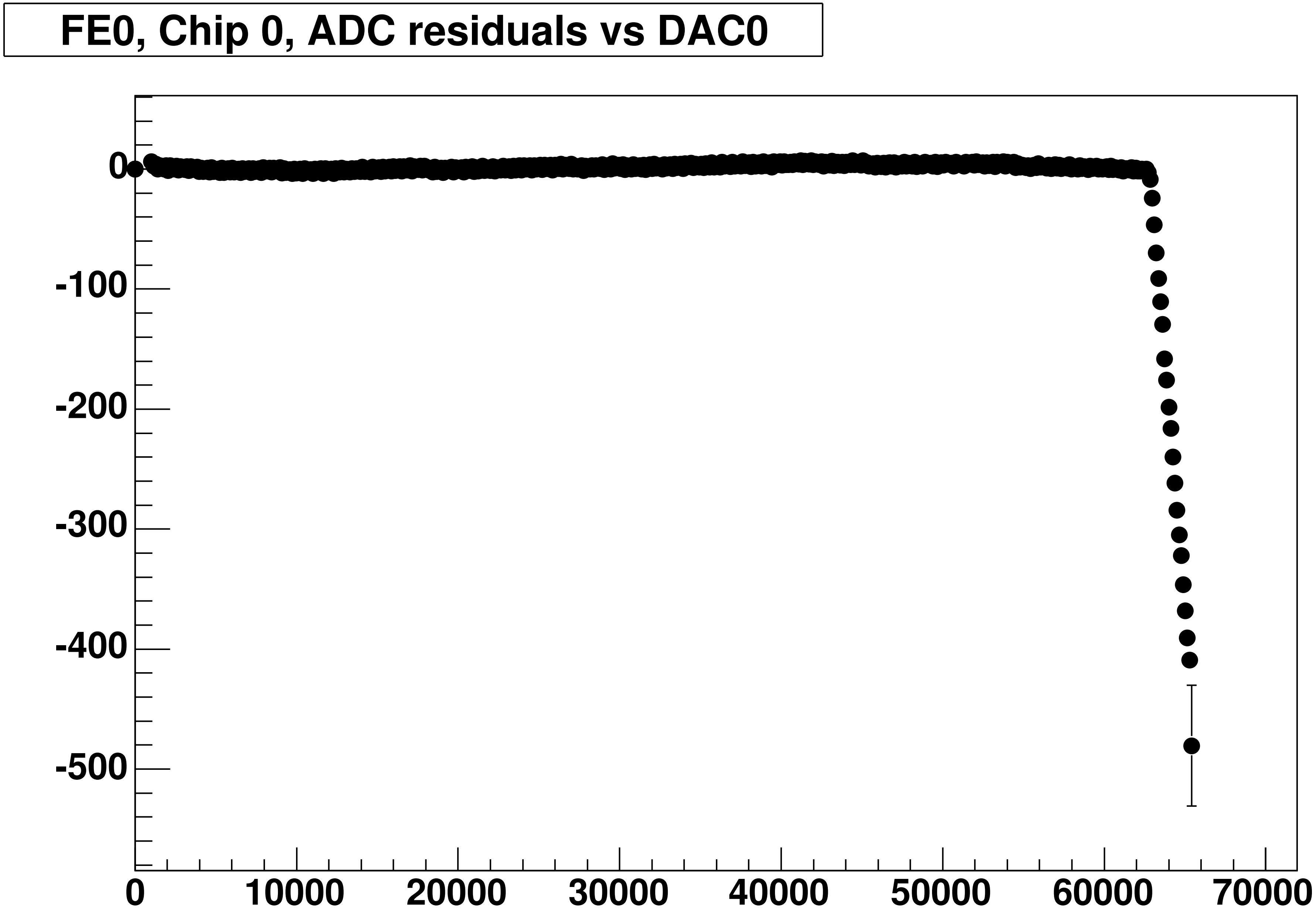
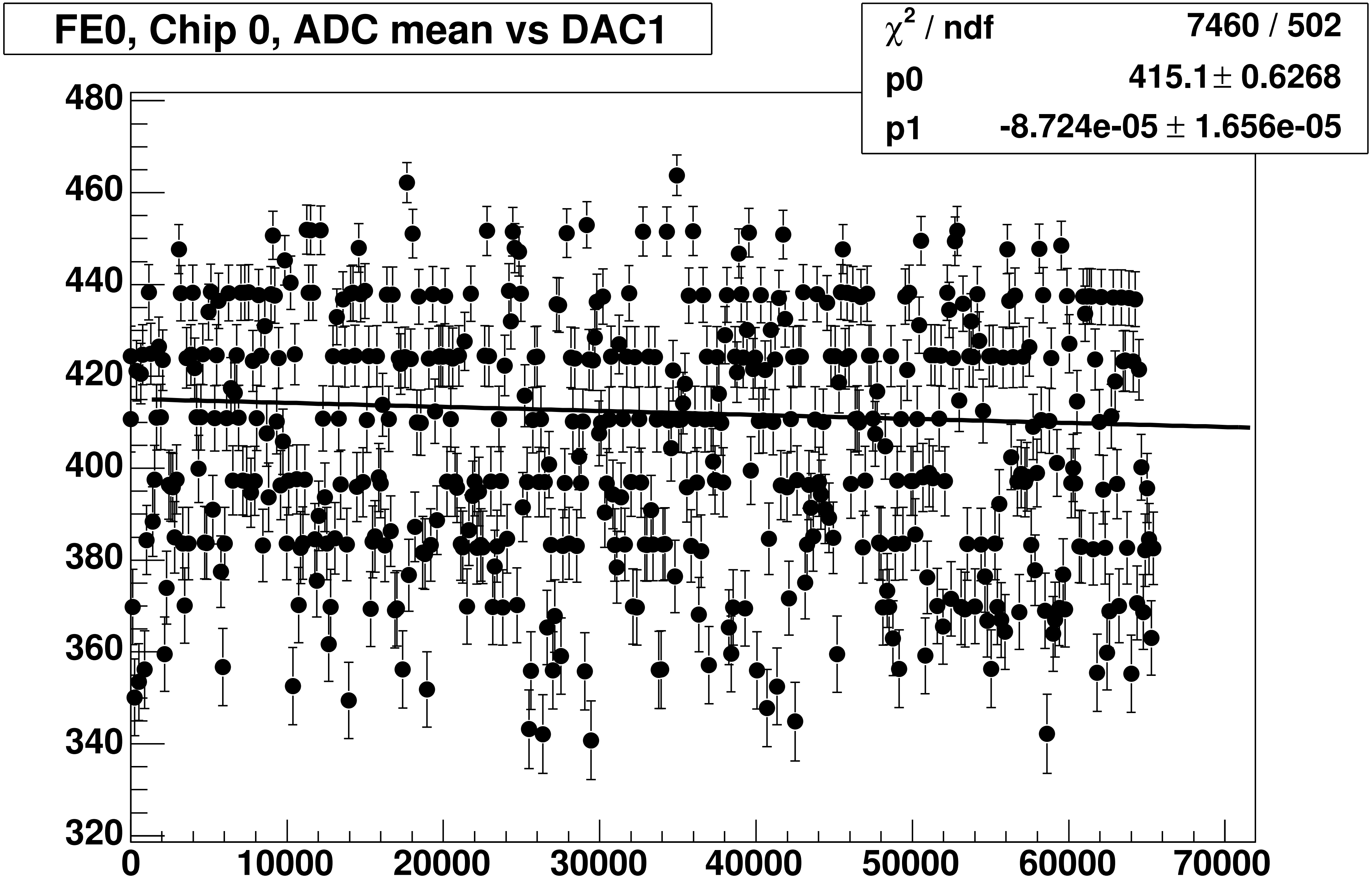
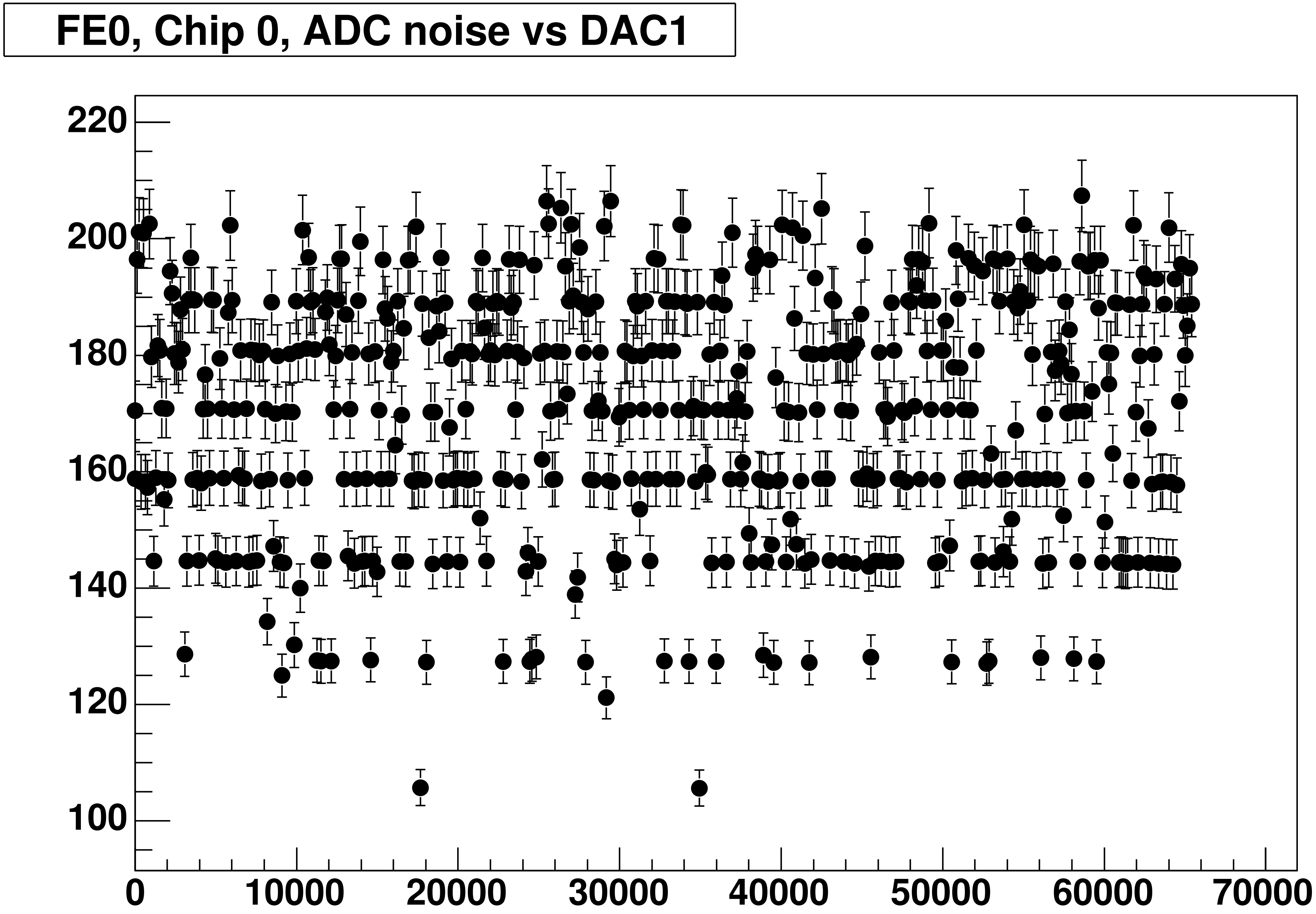


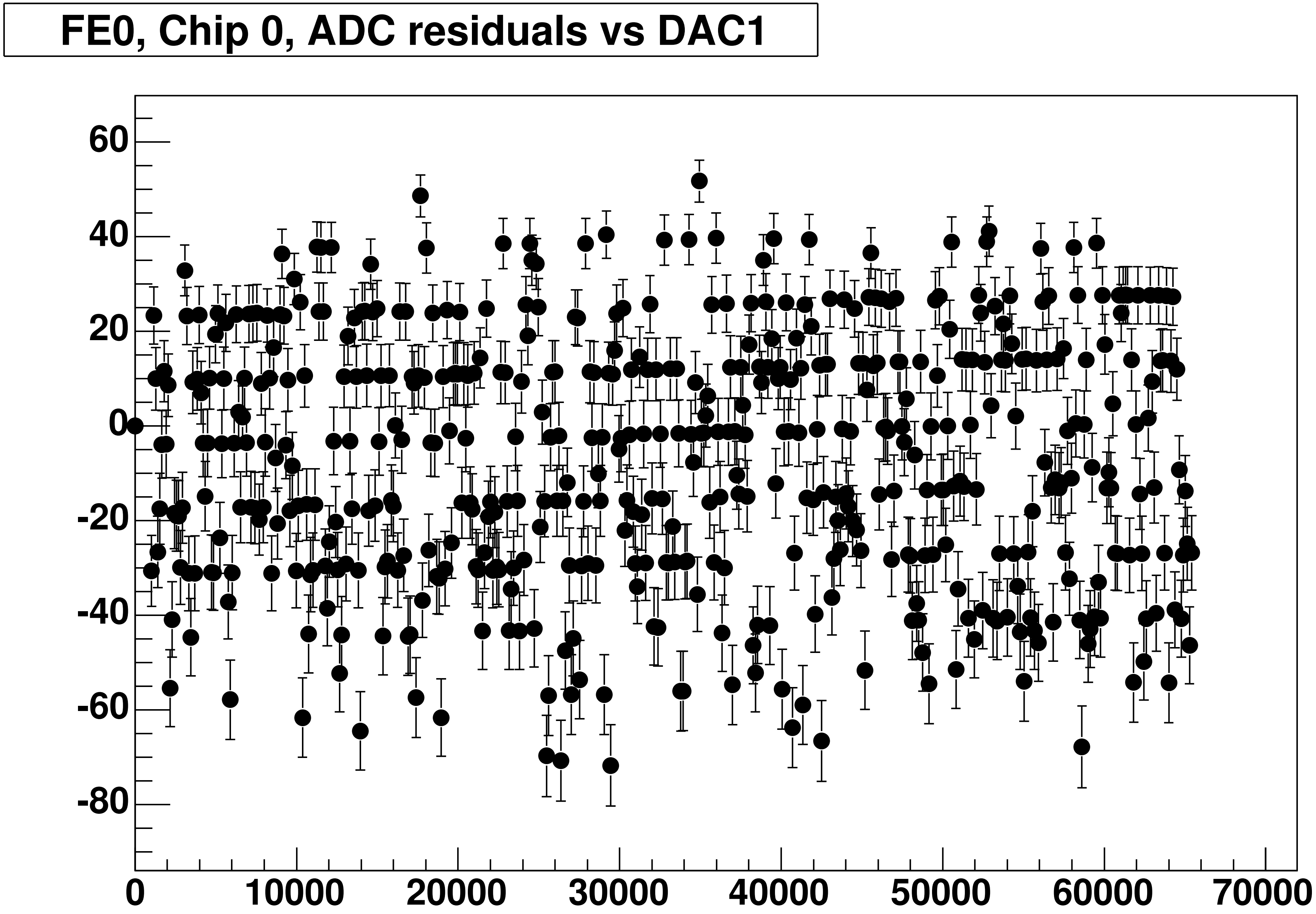
FE0, Chip 0, ADC mean vs DAC0
χ2 / ndf 6.369e+06 / 502
p0 50.76 ± 0.01132
p1 0.4502 ± 3.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

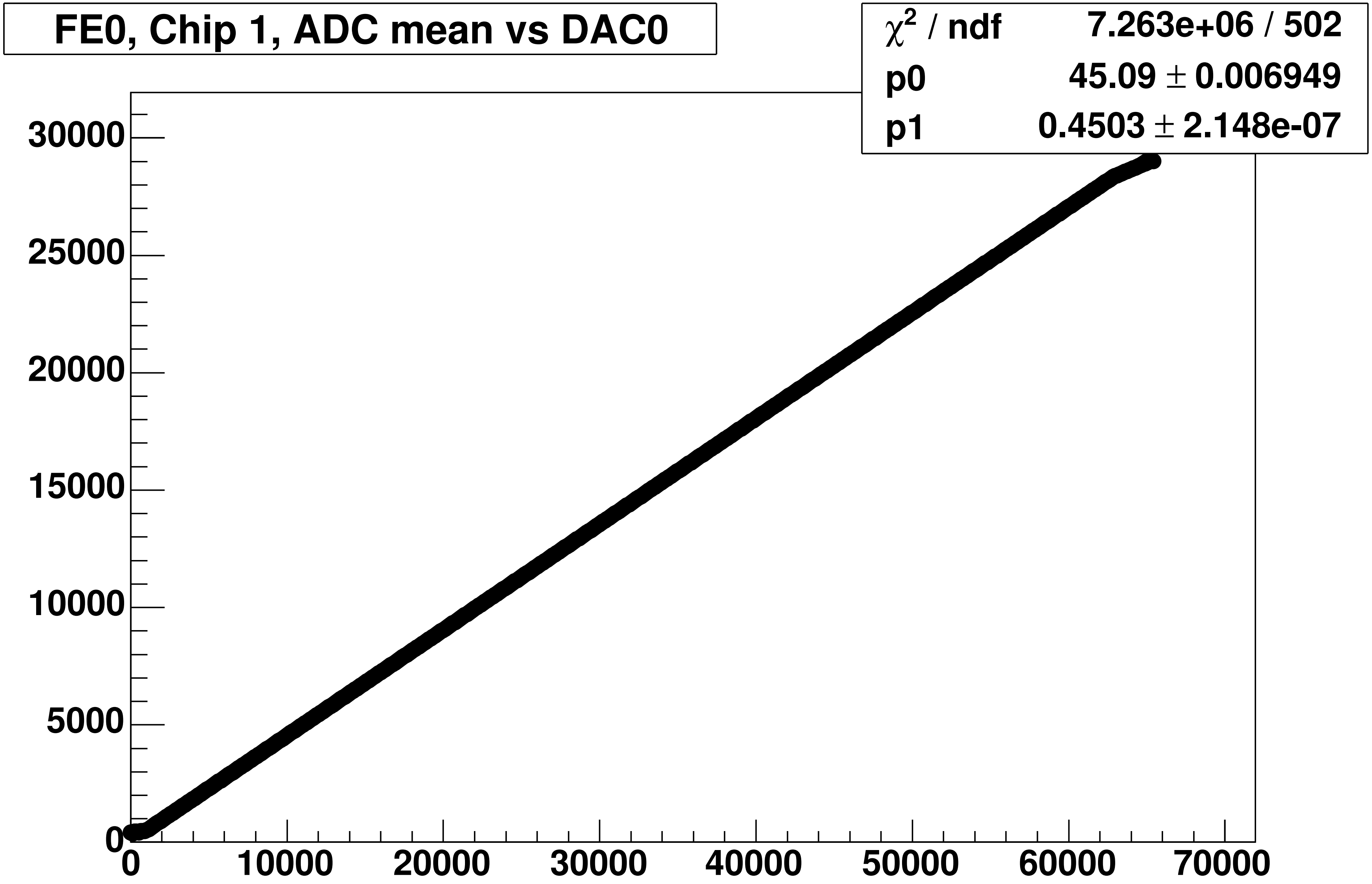

FE0, Chip 0, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

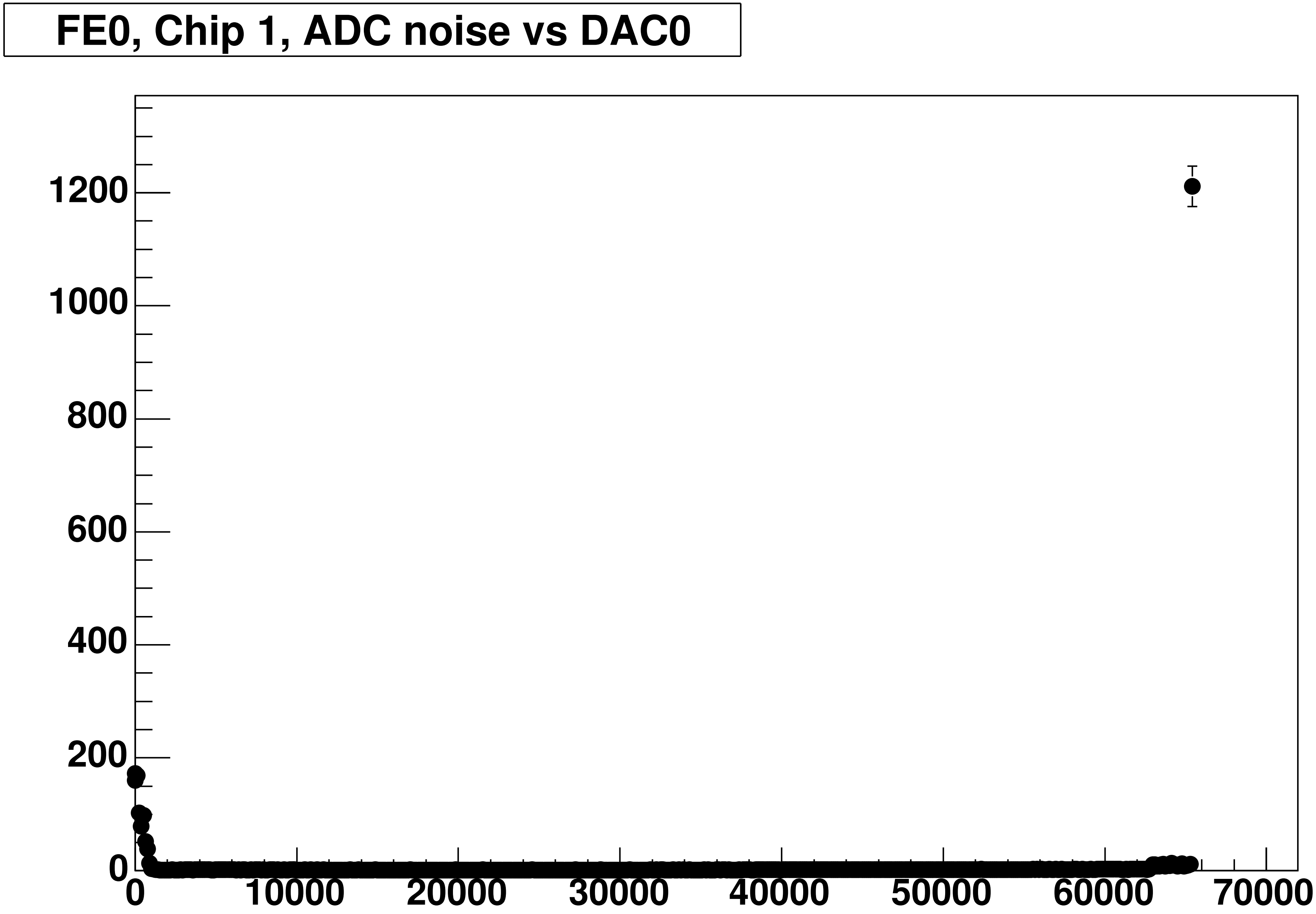

FE0, Chip 0, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000

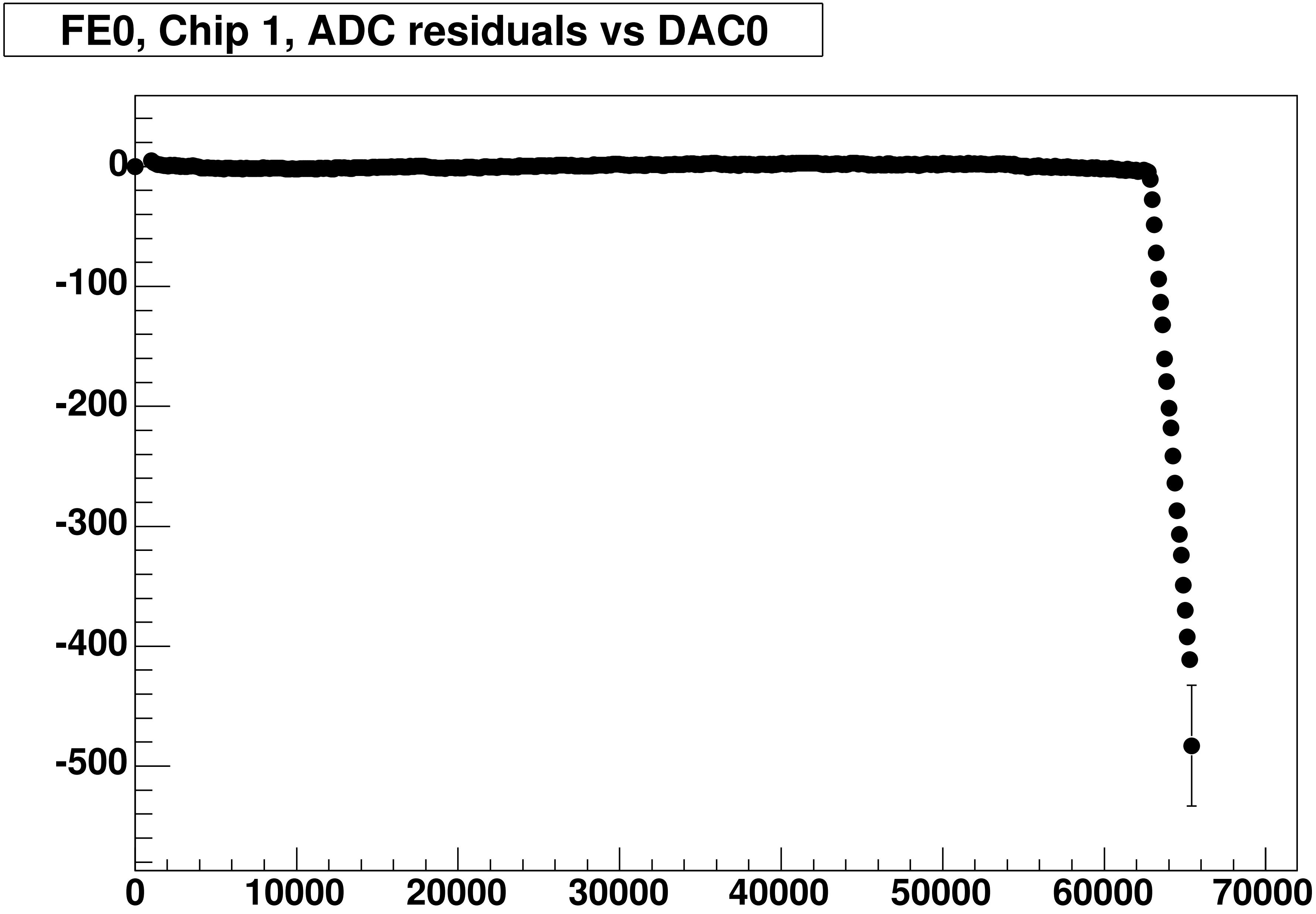

FE0, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7460 / 502
p0 415.1 ± 0.6268
p1 -8.724e-05 ± 1.656e-05
480
460
440
420
400
380
360
340
320
0
10000
20000
30000
40000
50000
60000
70000

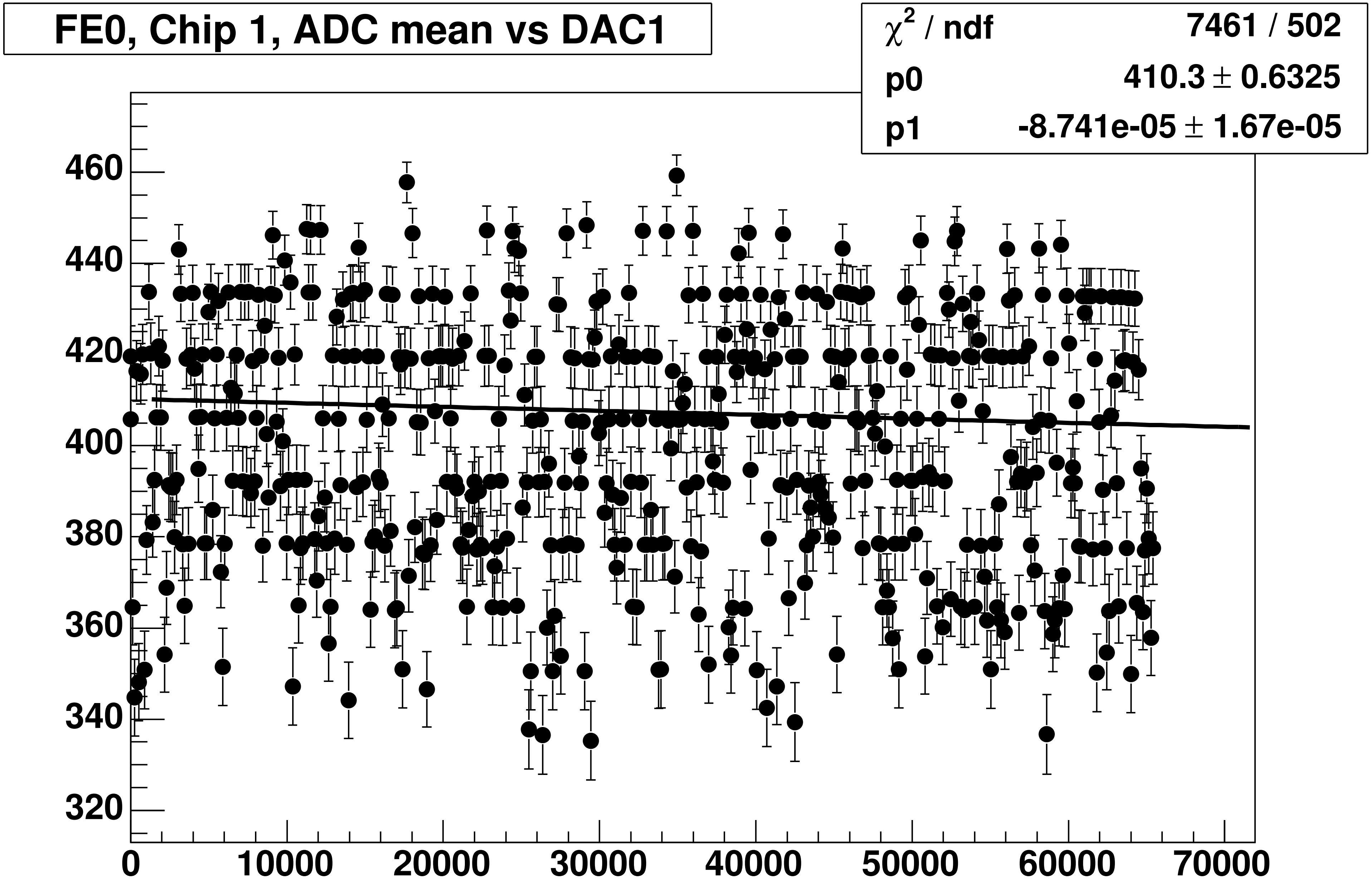

FE0, Chip 0, ADC noise vs DAC1
220
200
180
160
140
120
100
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 0, ADC residuals vs DAC1
60
40
20
0
-20
-40
-60
-80
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 1, ADC mean vs DAC0
χ^2 / ndf 7.263e+06 / 502
p0 45.09 ± 0.006949
p1 0.4503 ± 2.148e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 1, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 1, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000



FE0, Chip 1, ADC mean vs DAC1
χ^2 / ndf 7461 / 502
p0 410.3 ± 0.6325
p1 -8.741e-05 ± 1.67e-05
460
440
420
400
380
360
340
320
0
10000
20000
30000
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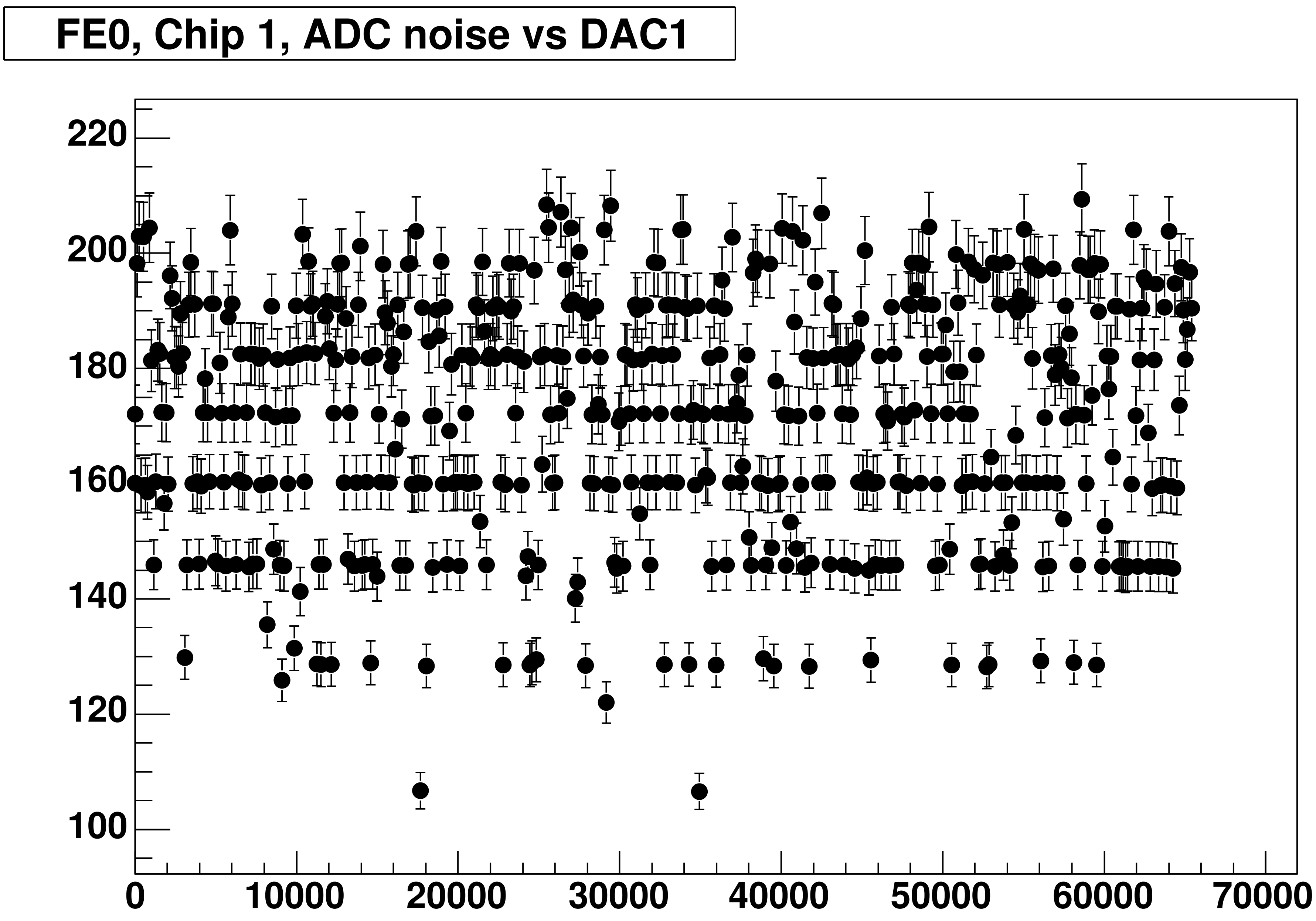
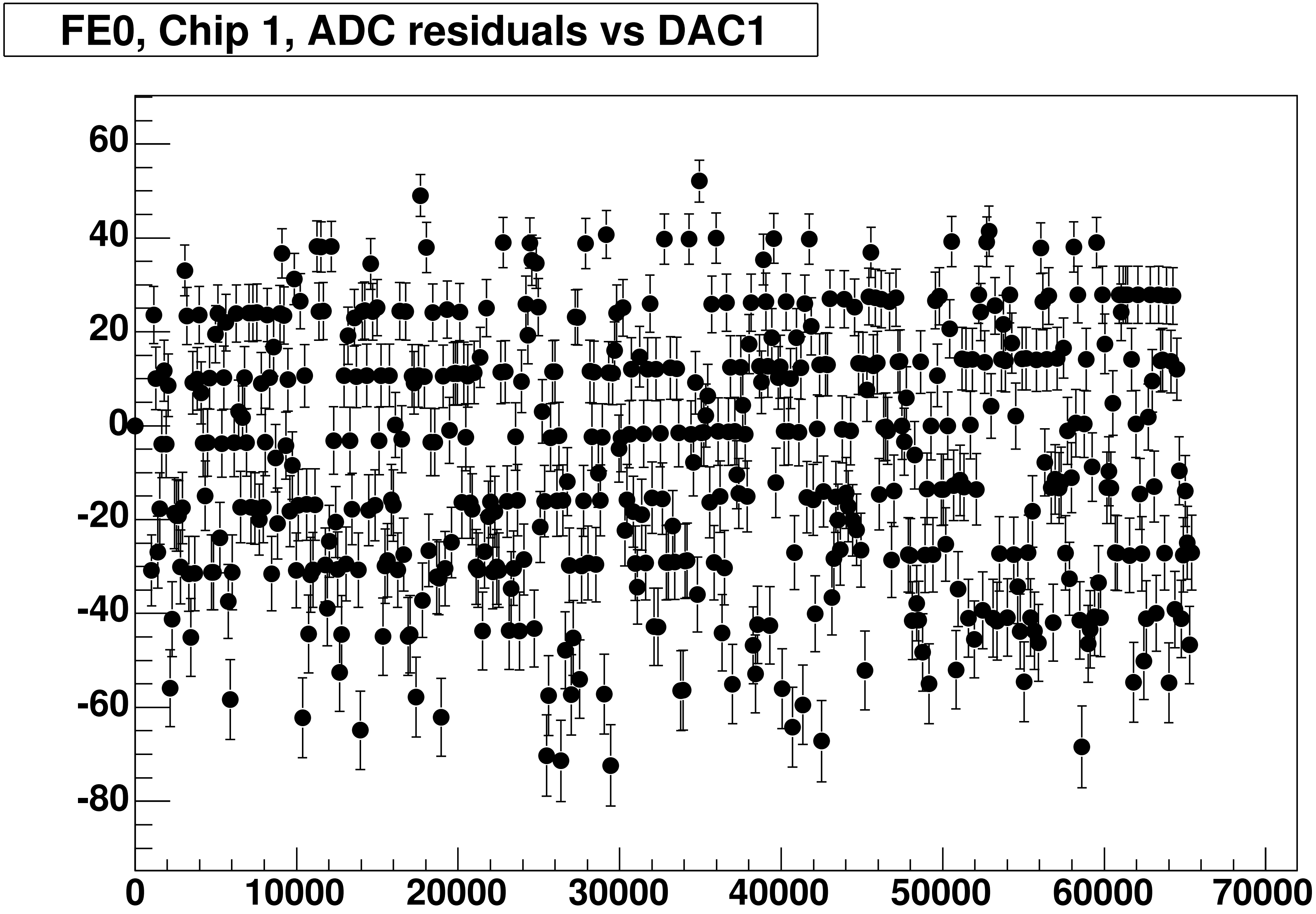
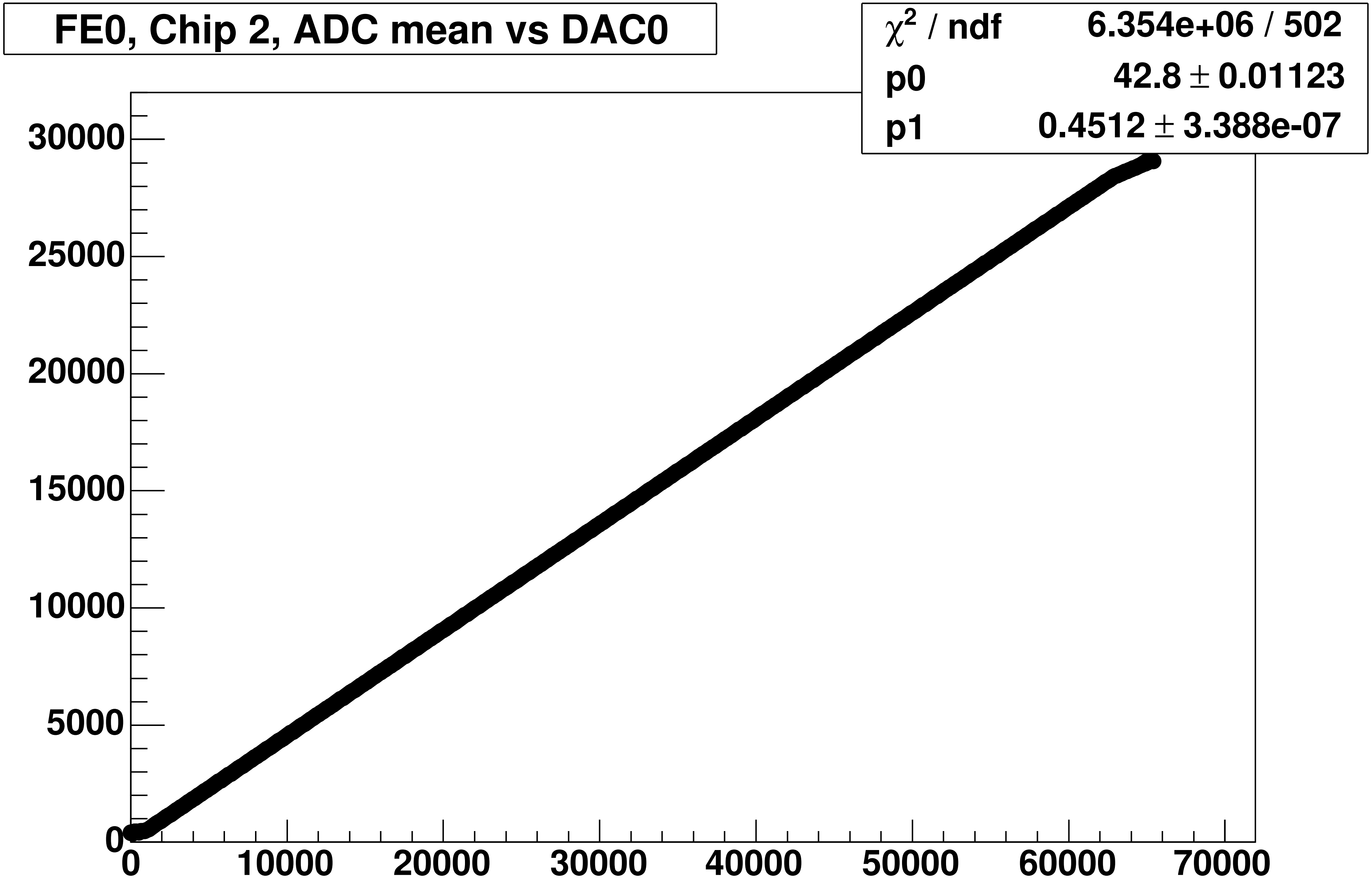
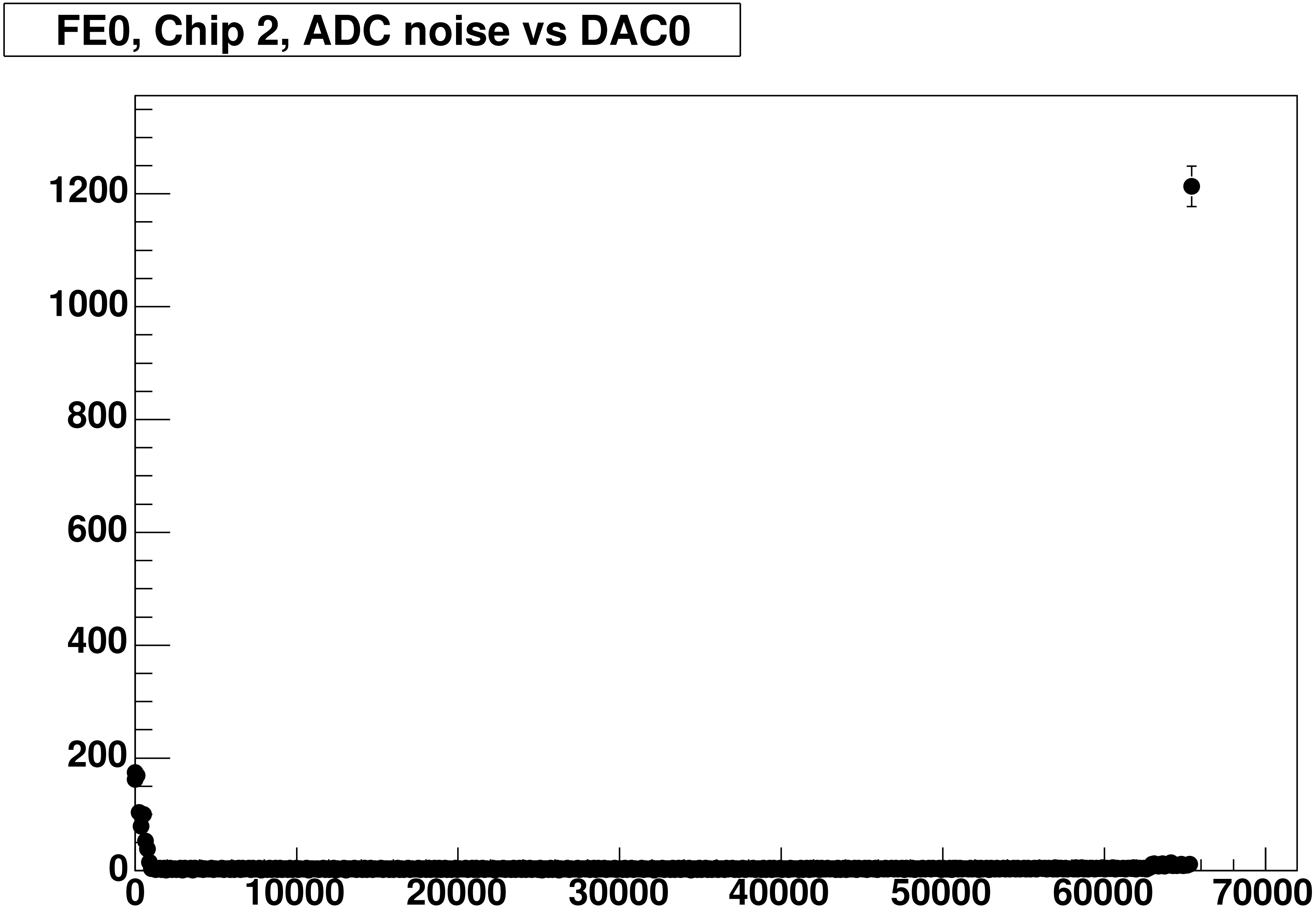
50000
60000
70000

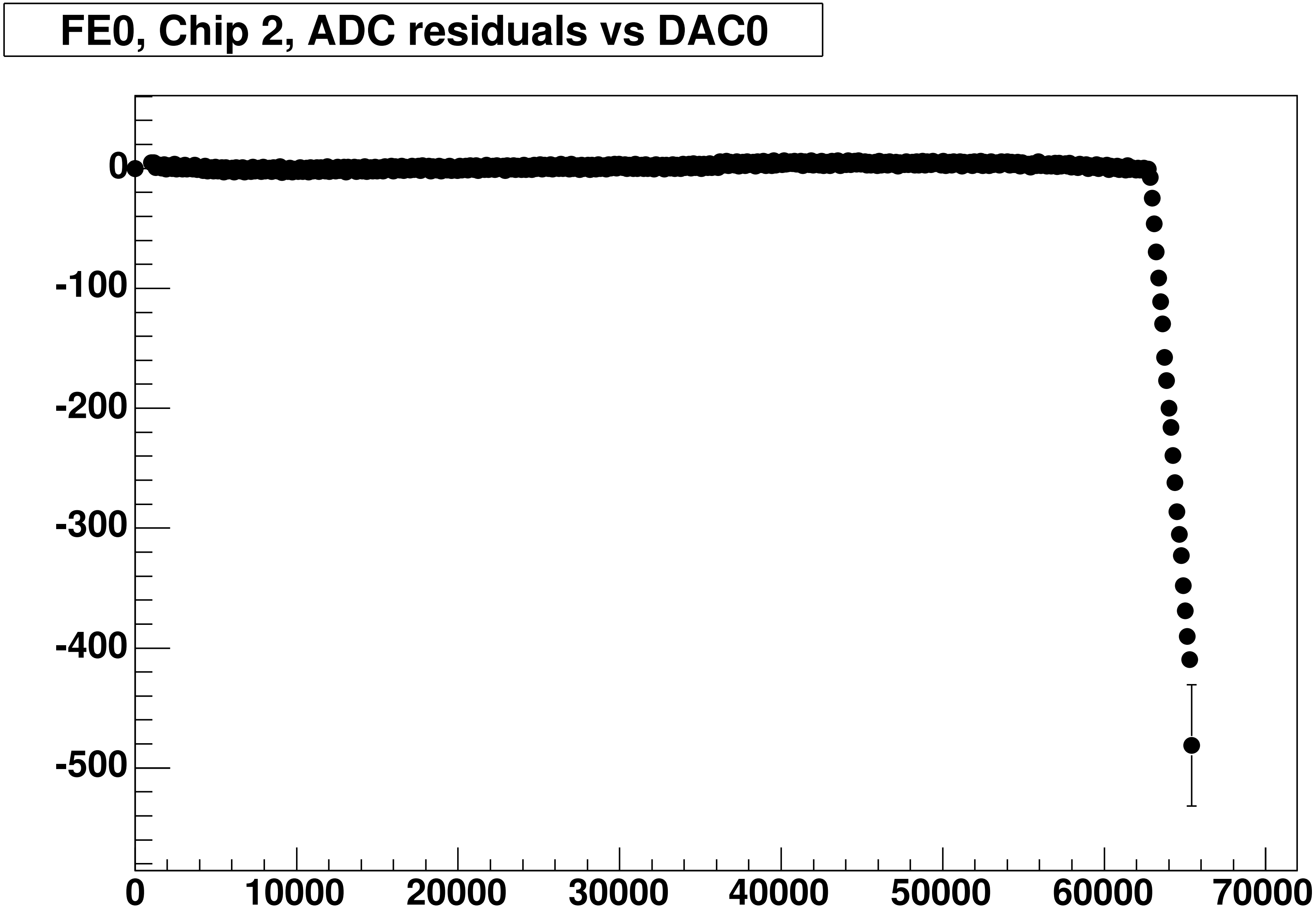


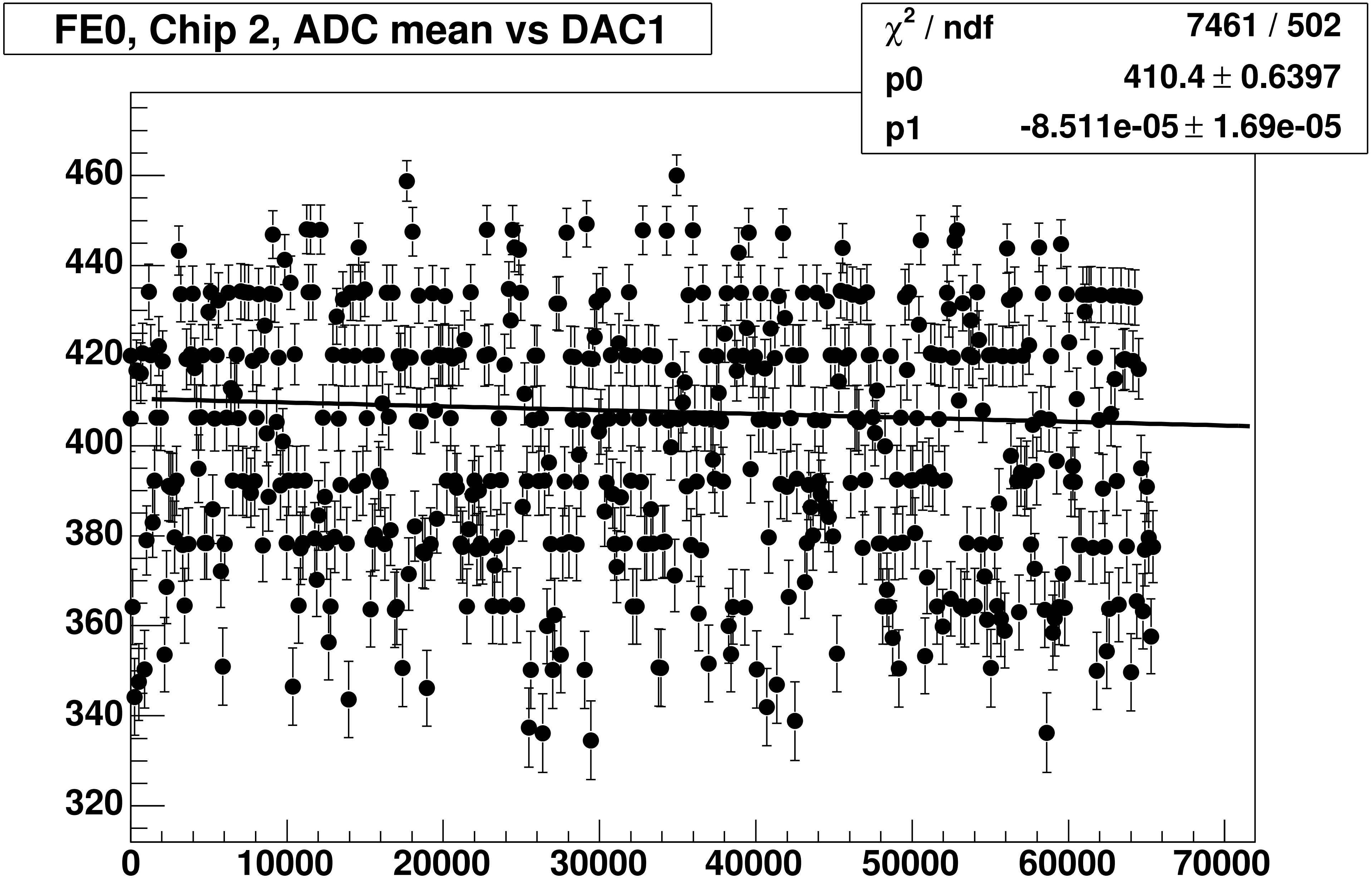
FE0, Chip 1, ADC noise vs DAC1
220
200
180
160
140
120
100
0
10000
20000
30000
40000
50000
60000
70000

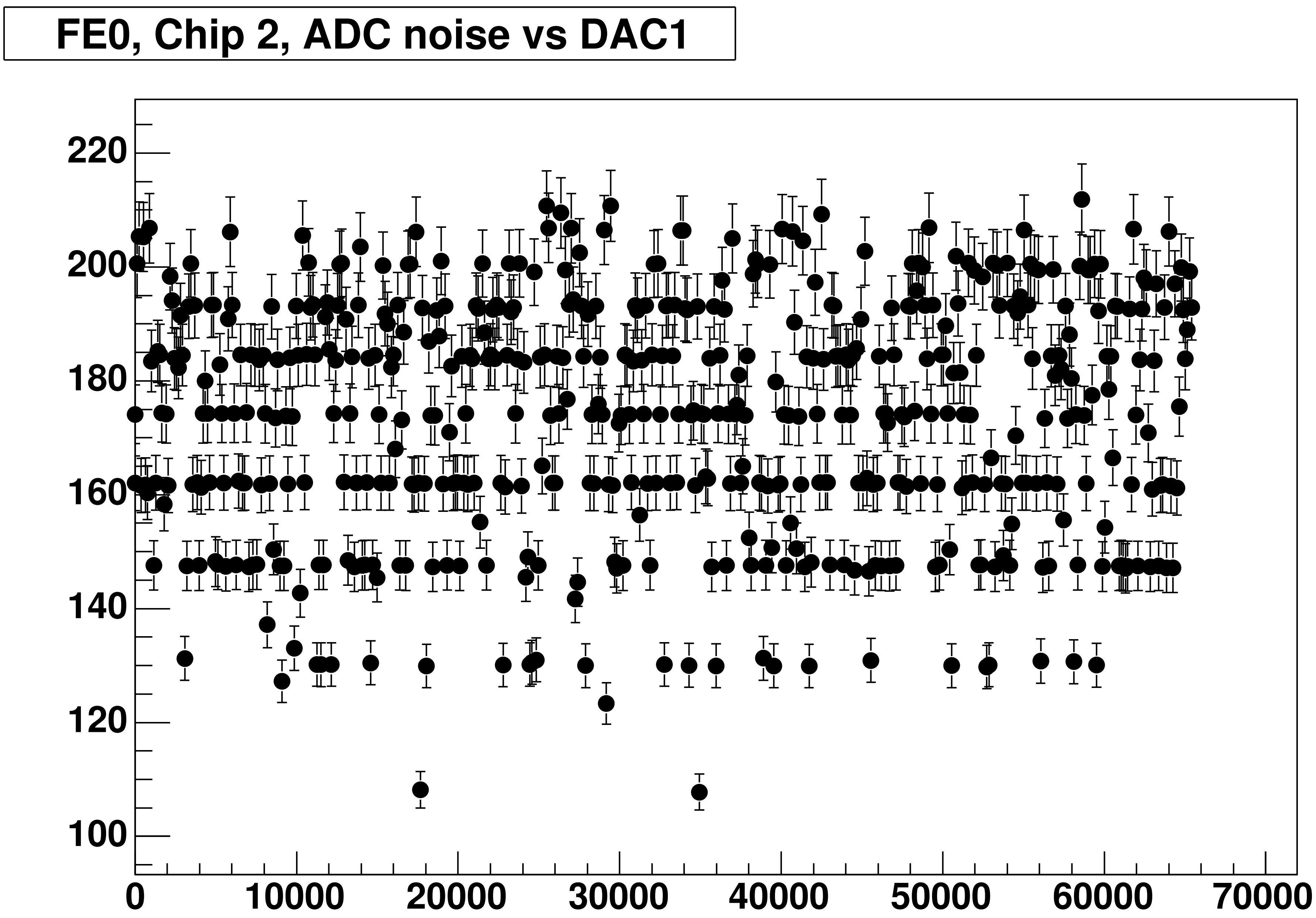

FE0, Chip 1, ADC residuals vs DAC1
60
40
20
0
-20
-40
-60
-80
0
10000
20000
30000
40000
50000
60000
70000

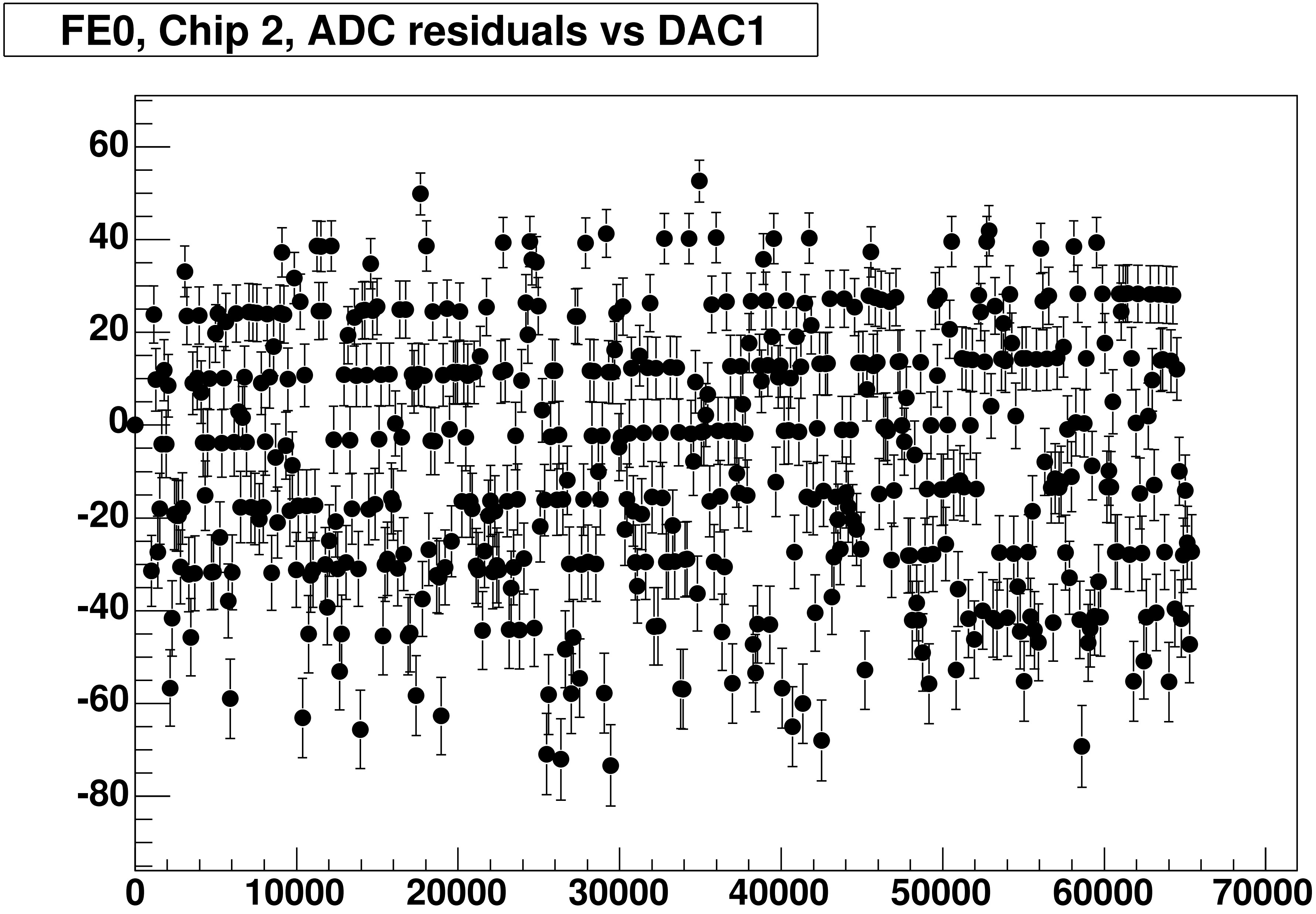

FE0, Chip 2, ADC mean vs DAC0
χ2 / ndf 6.354e+06 / 502
p0 42.8 ± 0.01123
p1 0.4512 ± 3.388e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000

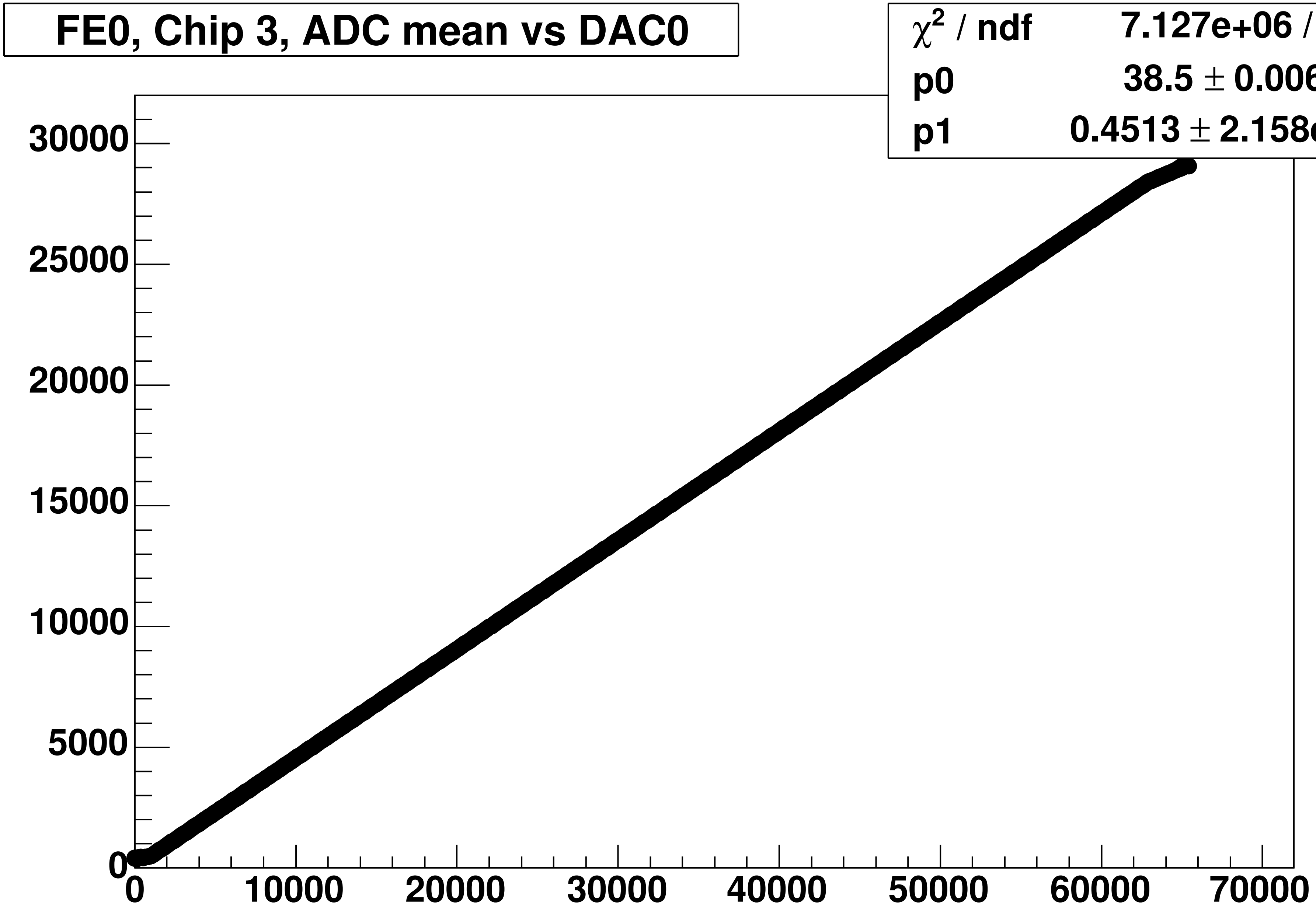

FE0, Chip 2, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

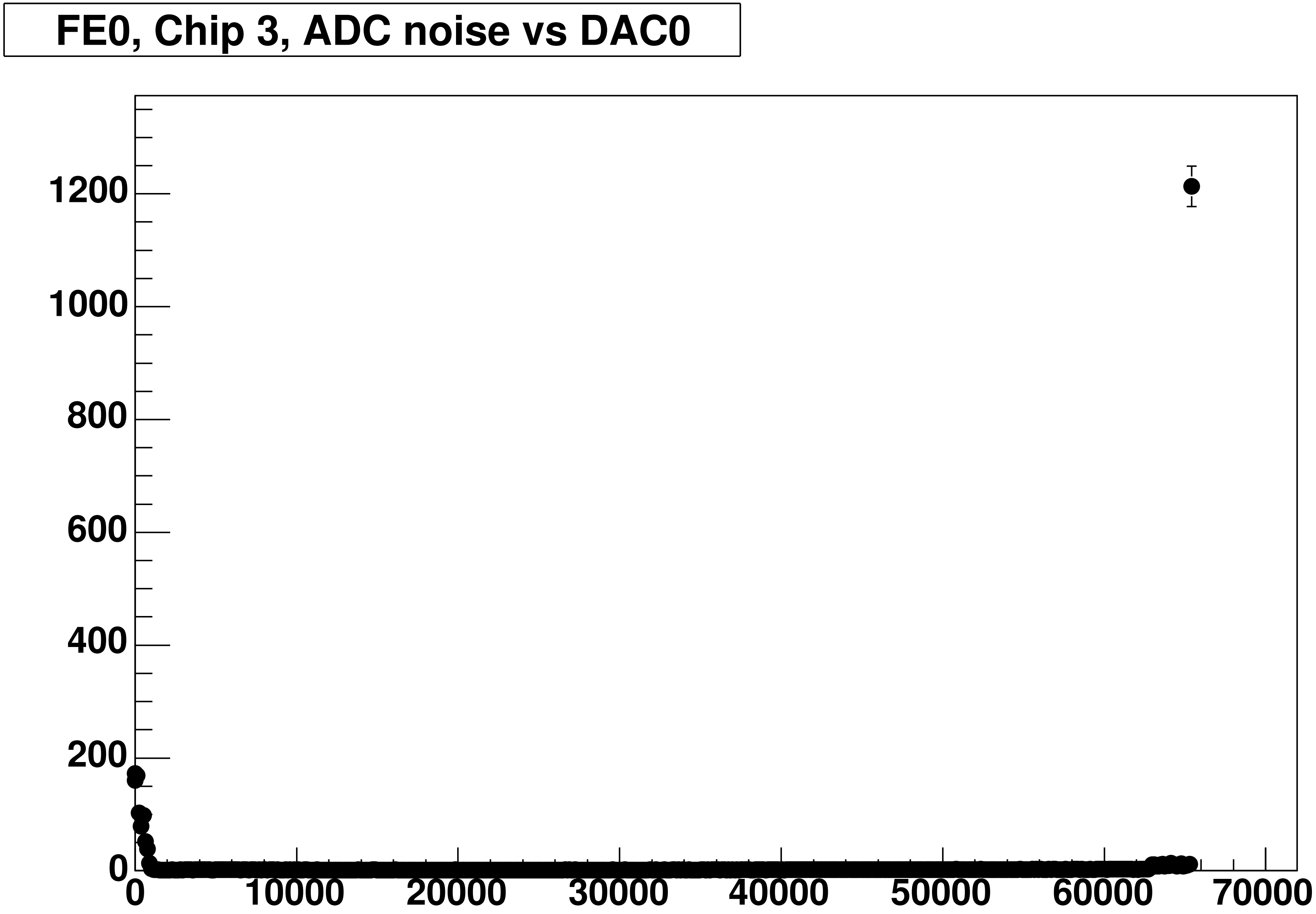

FE0, Chip 2, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000

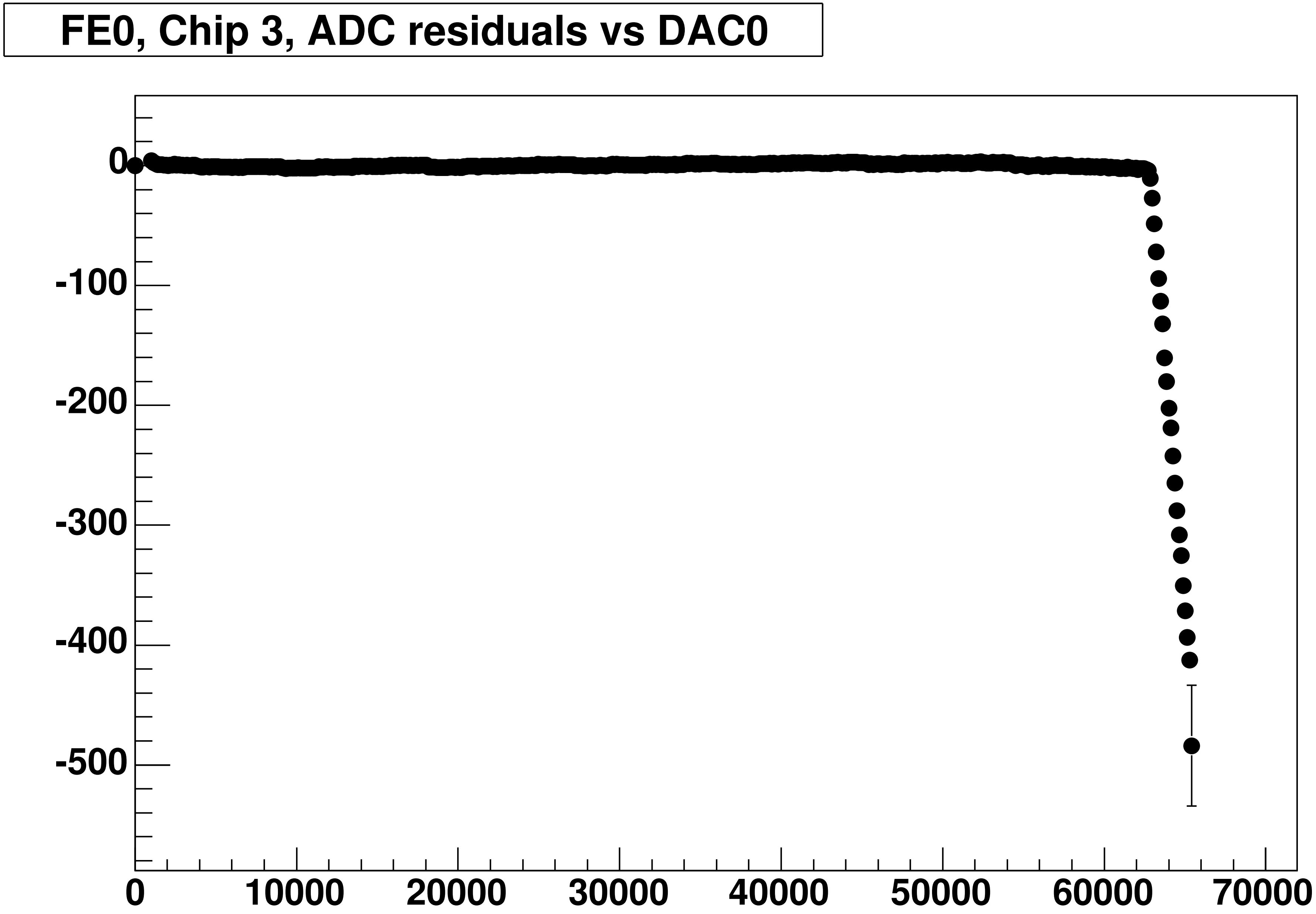

FE0, Chip 2, ADC mean vs DAC1
χ^2 / ndf 7461 / 502
p0 410.4 ± 0.6397
p1 -8.511e-05 ± 1.69e-05
460
440
420
400
380
360
340
320
0
10000
20000
30000
40000
50000
60000
70000

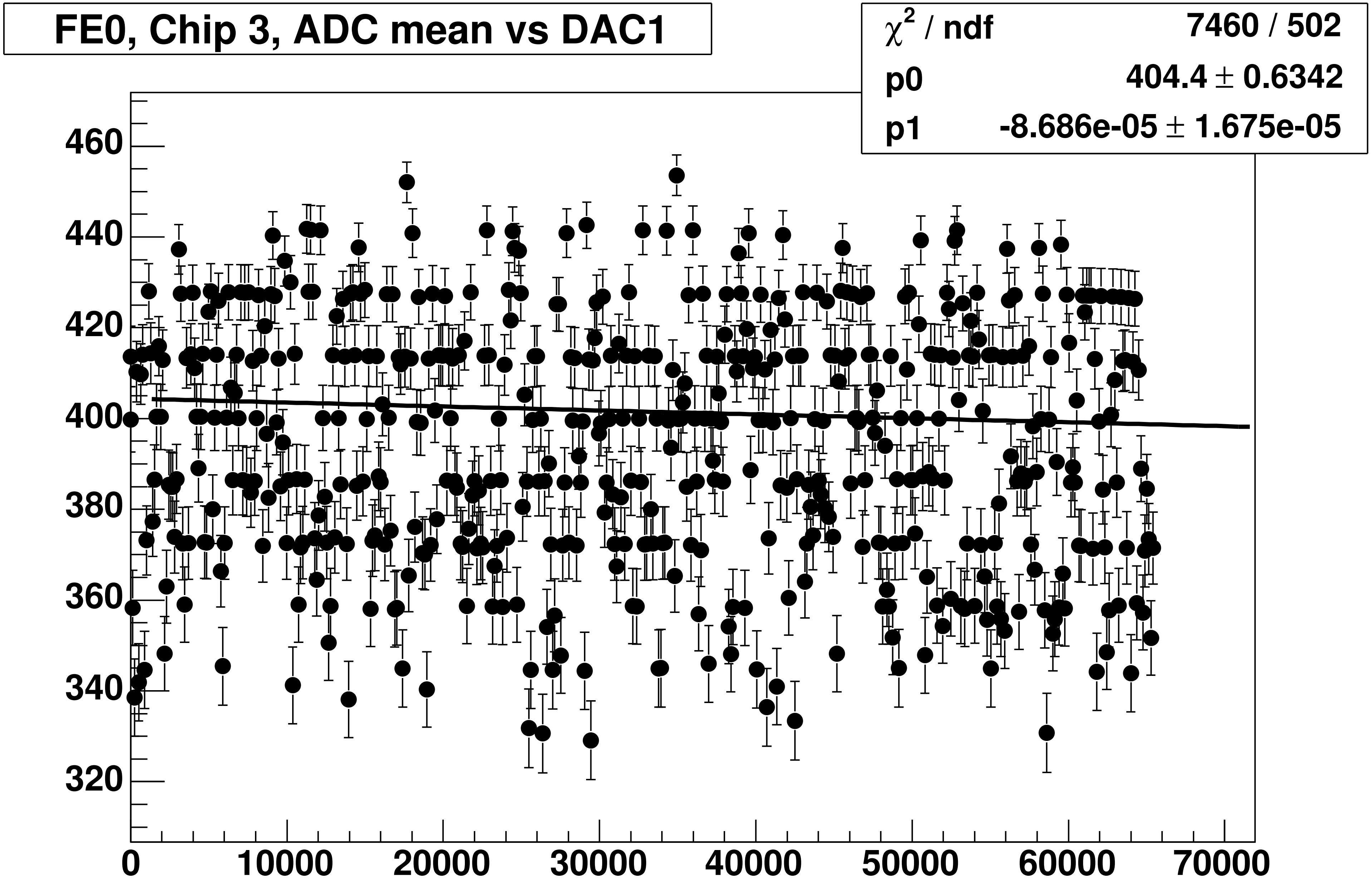

FE0, Chip 2, ADC noise vs DAC1
220
200
180
160
140
120
100
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 2, ADC residuals vs DAC1
60
40
20
0
-20
-40
-60
-80
0
10000
20000
30000
40000
50000
60000
70000

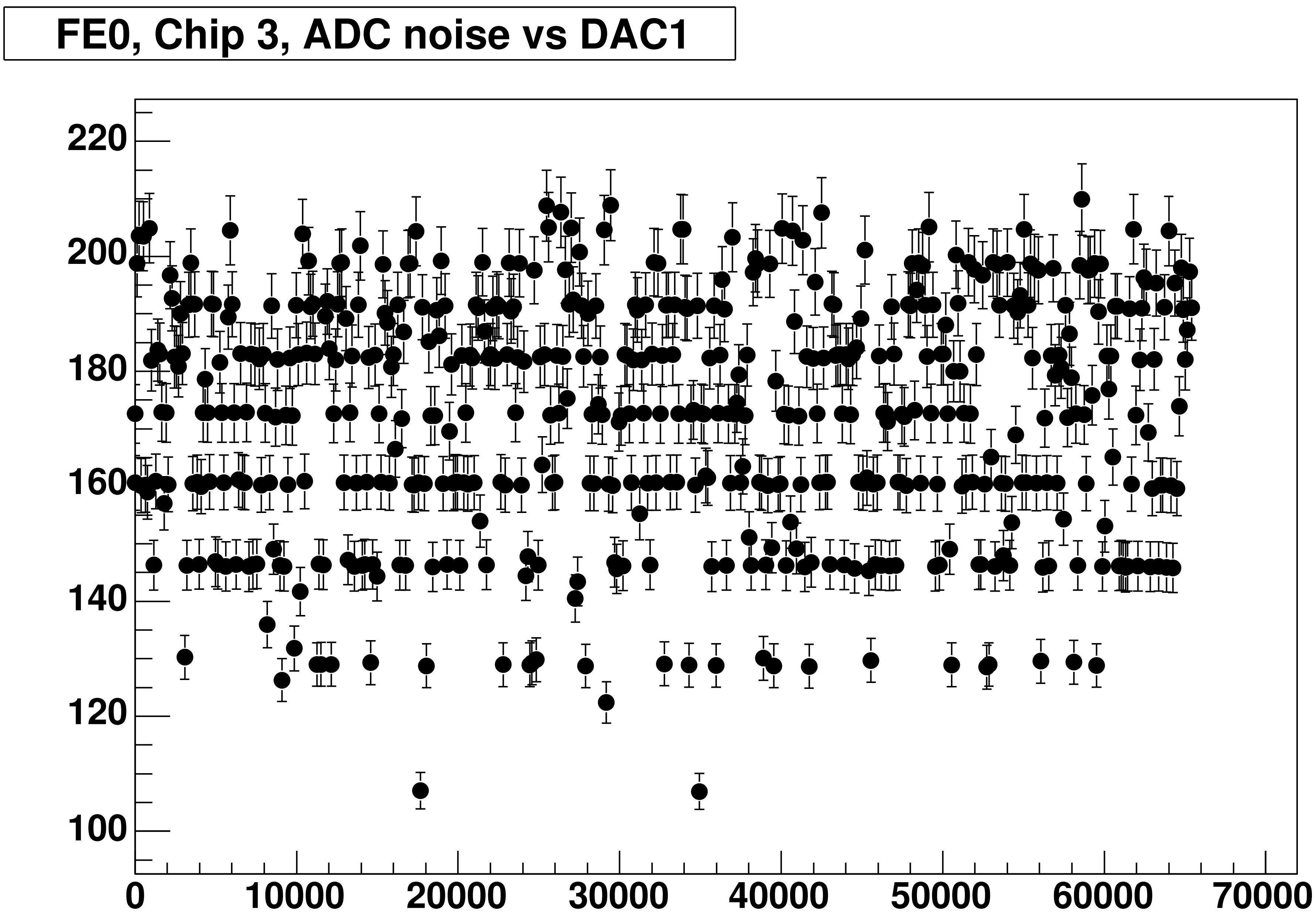

FE0, Chip 3, ADC mean vs DAC0
χ^2 / ndf 7.127e+06 / 502
p0 38.5 ± 0.006932
p1 0.4513 ± 2.158e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000

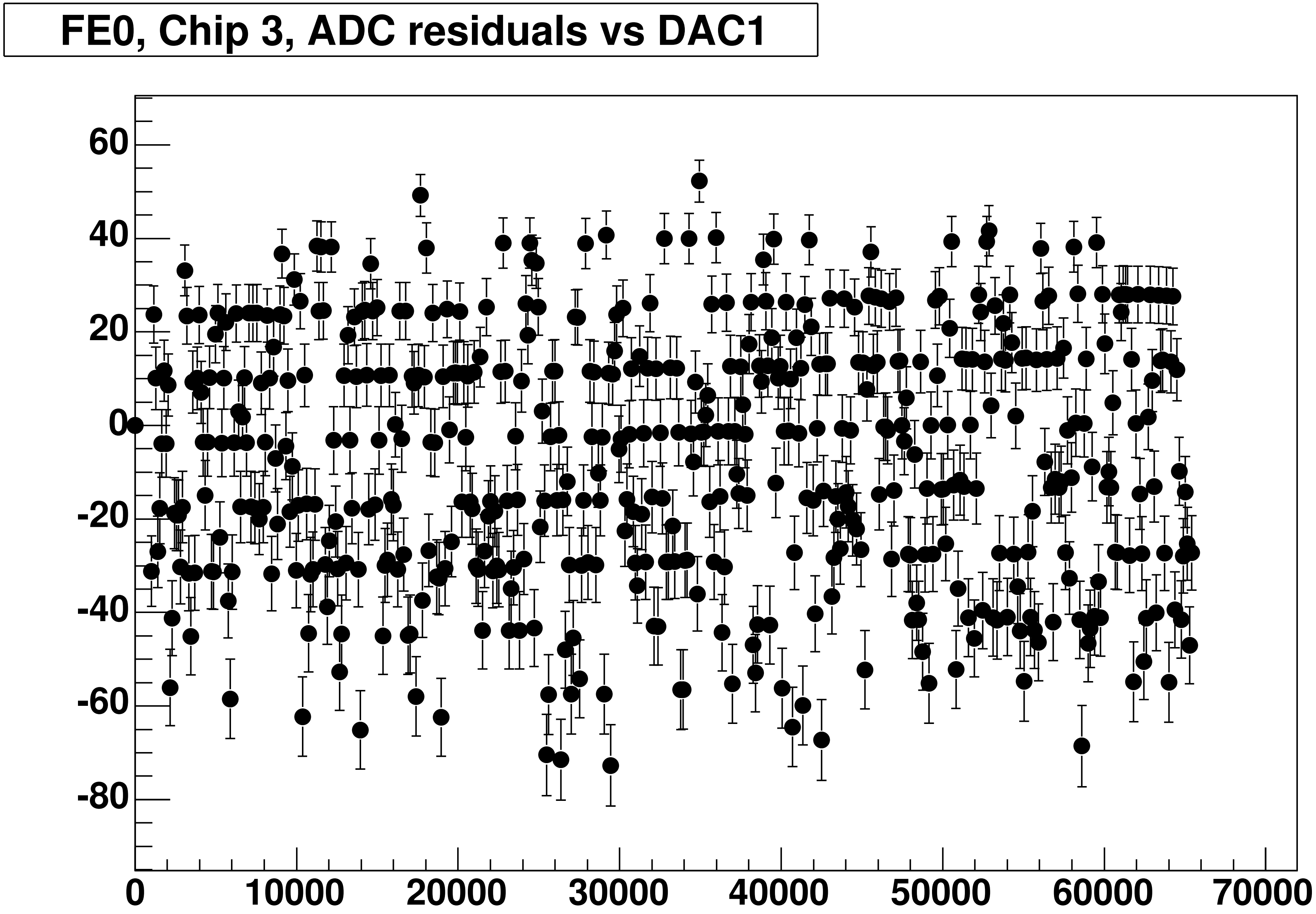

FE0, Chip 3, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

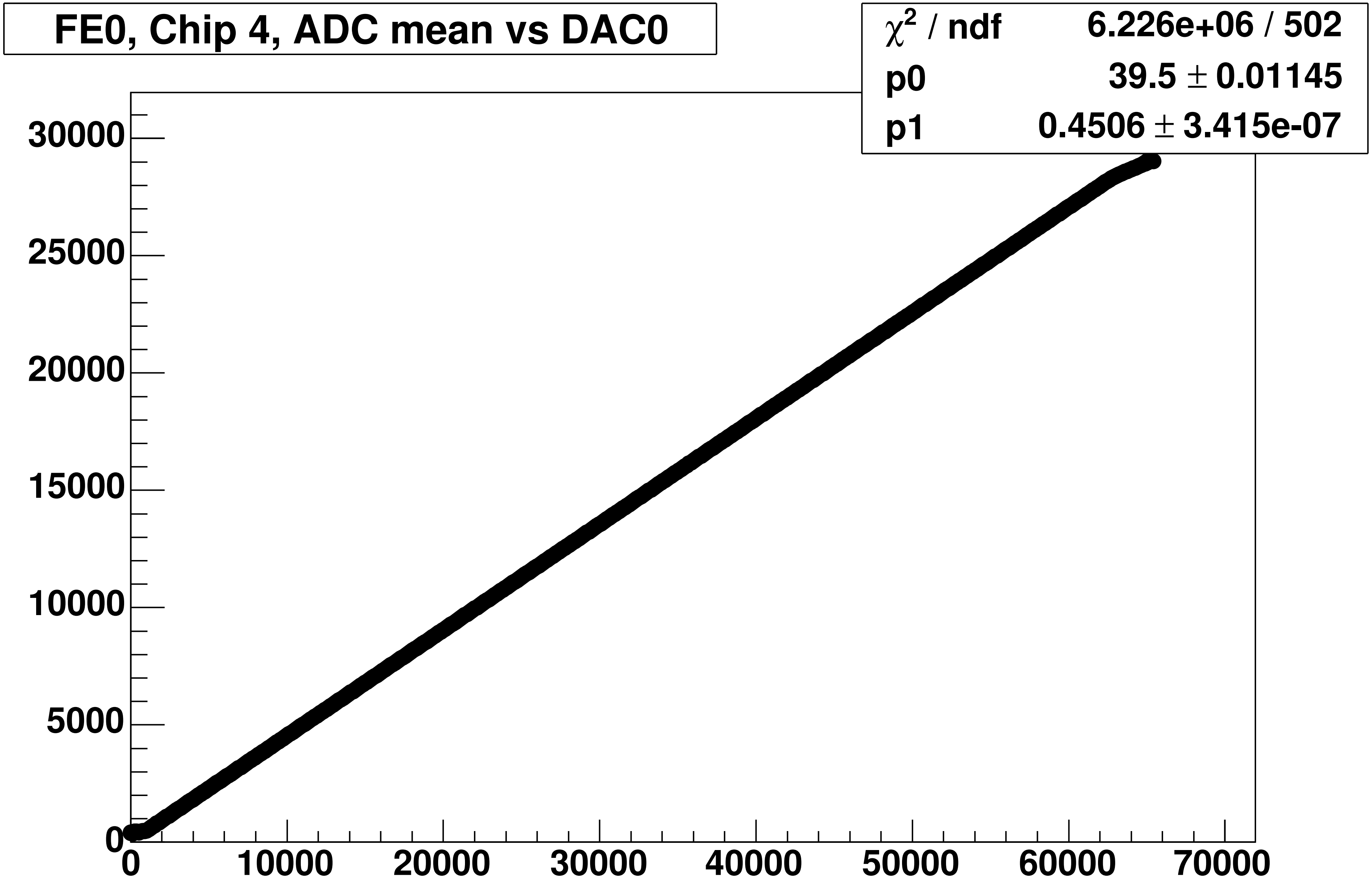

FE0, Chip 3, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000

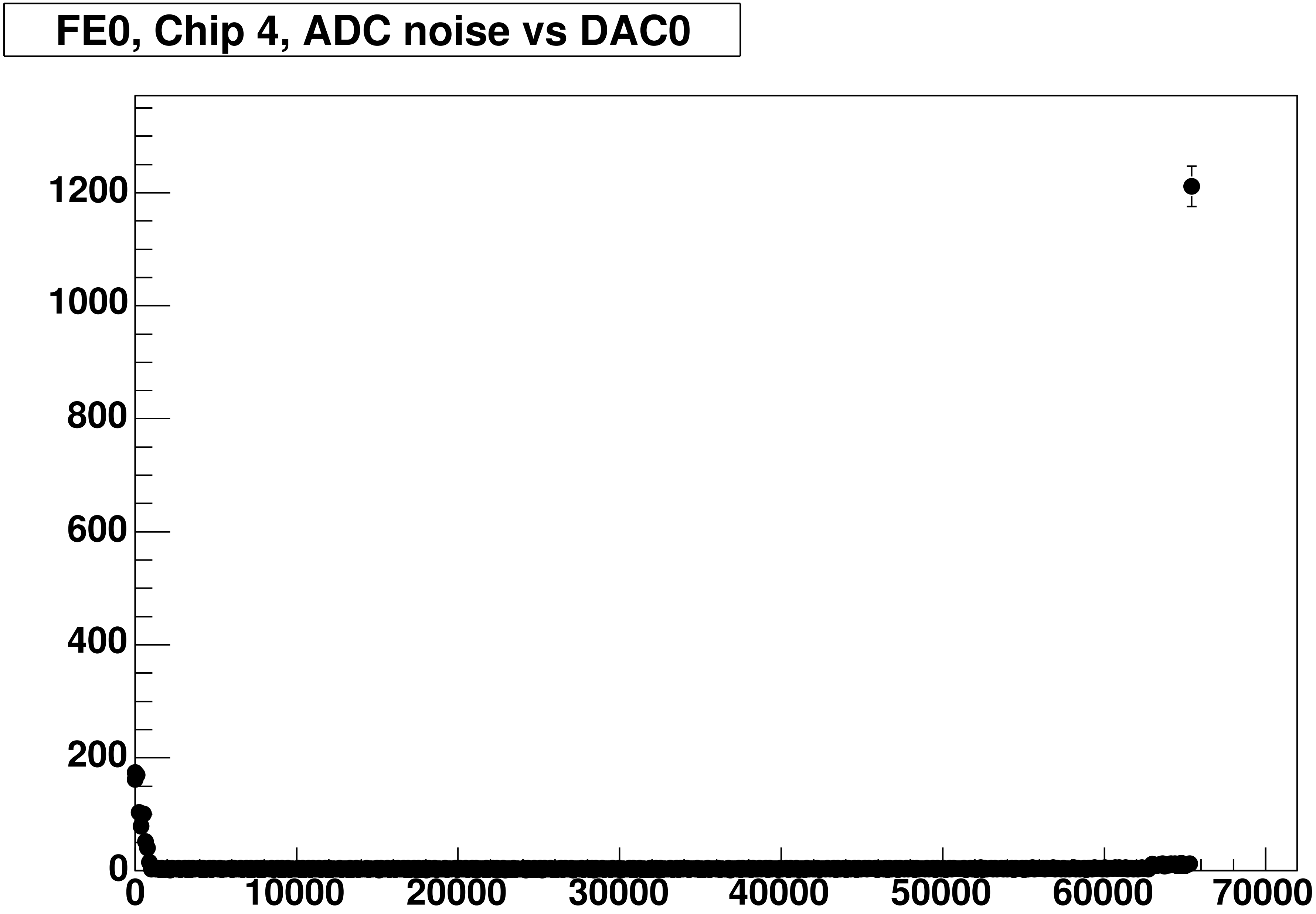


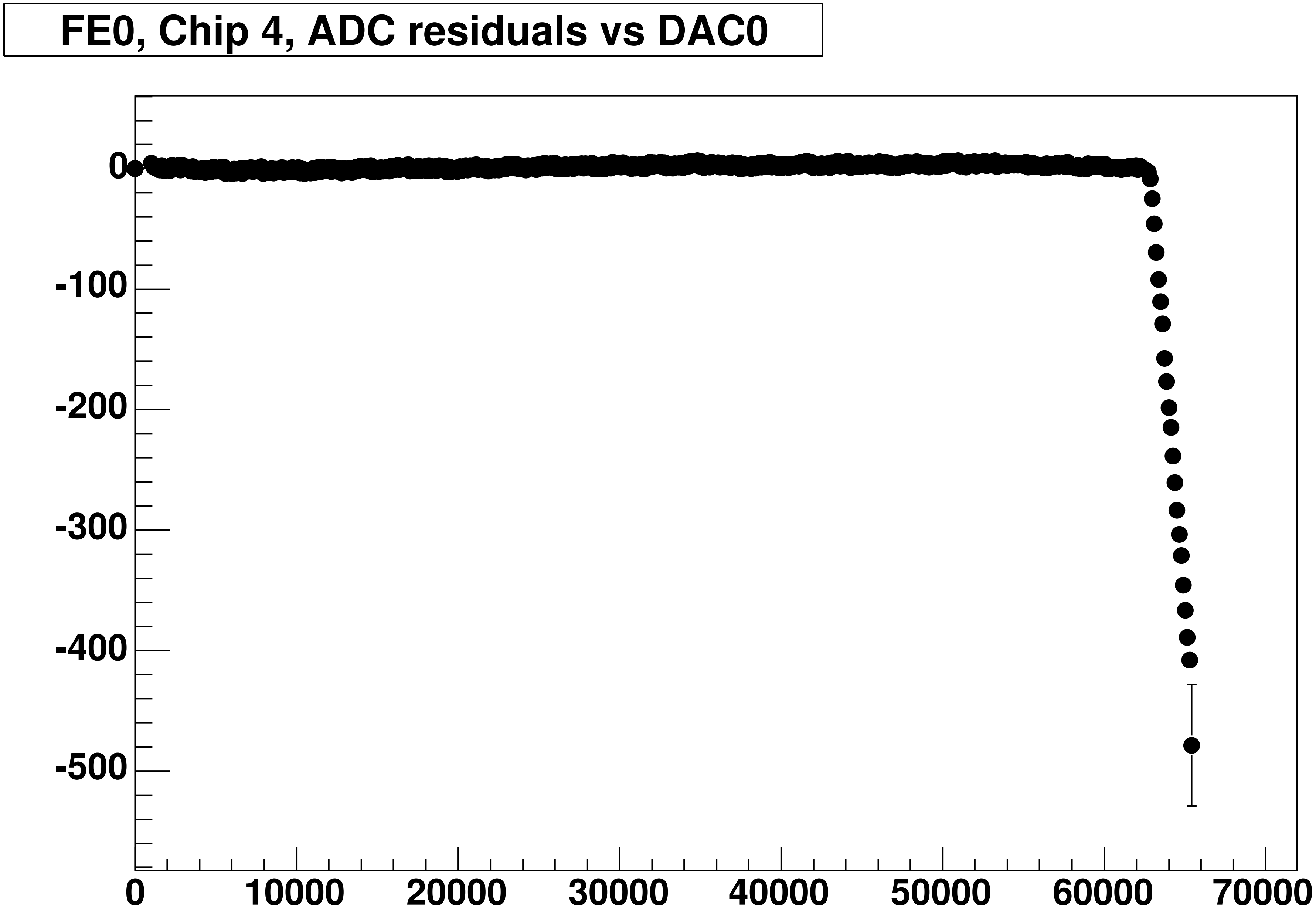
FE0, Chip 3, ADC mean vs DAC1
χ^2 / ndf 7460 / 502
p0 404.4 ± 0.6342
p1 -8.686e-05 ± 1.675e-05
460
440
420
400
380
360
340
320
0
10000
20000
30000
40000
50000
60000
70000

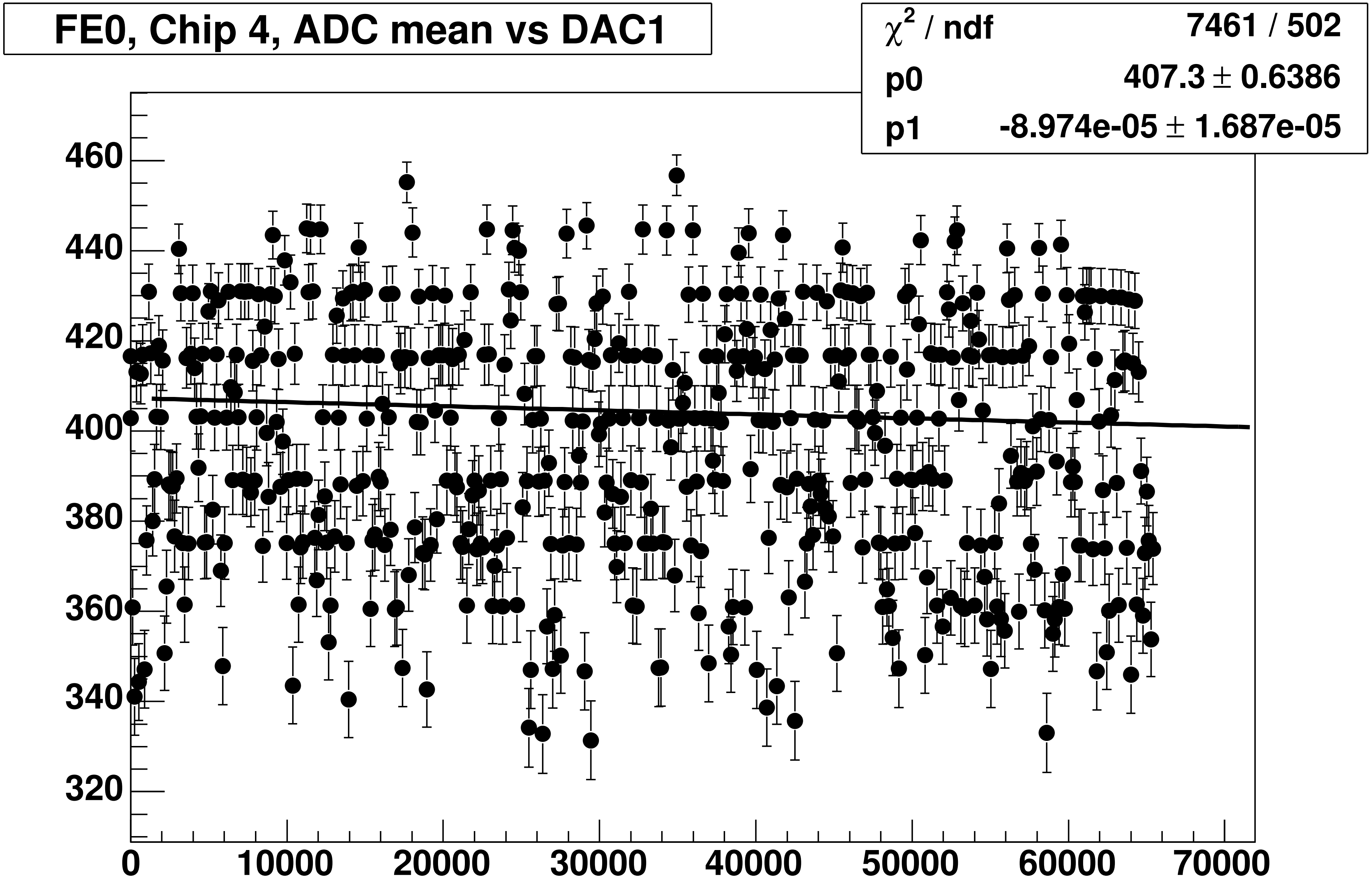

FE0, Chip 3, ADC noise vs DAC1
220
200
180
160
140
120
100
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 3, ADC residuals vs DAC1
60
40
20
0
-20
-40
-60
-80
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 4, ADC mean vs DAC0
χ^2 / ndf 6.226e+06 / 502
p0 39.5 ± 0.01145
p1 0.4506 ± 3.415e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 4, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 4, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7461 / 502
p0 407.3 ± 0.6386
p1 -8.974e-05 ± 1.687e-05
460
440
420
400
380
360
340
320
0
10000
20000
30000
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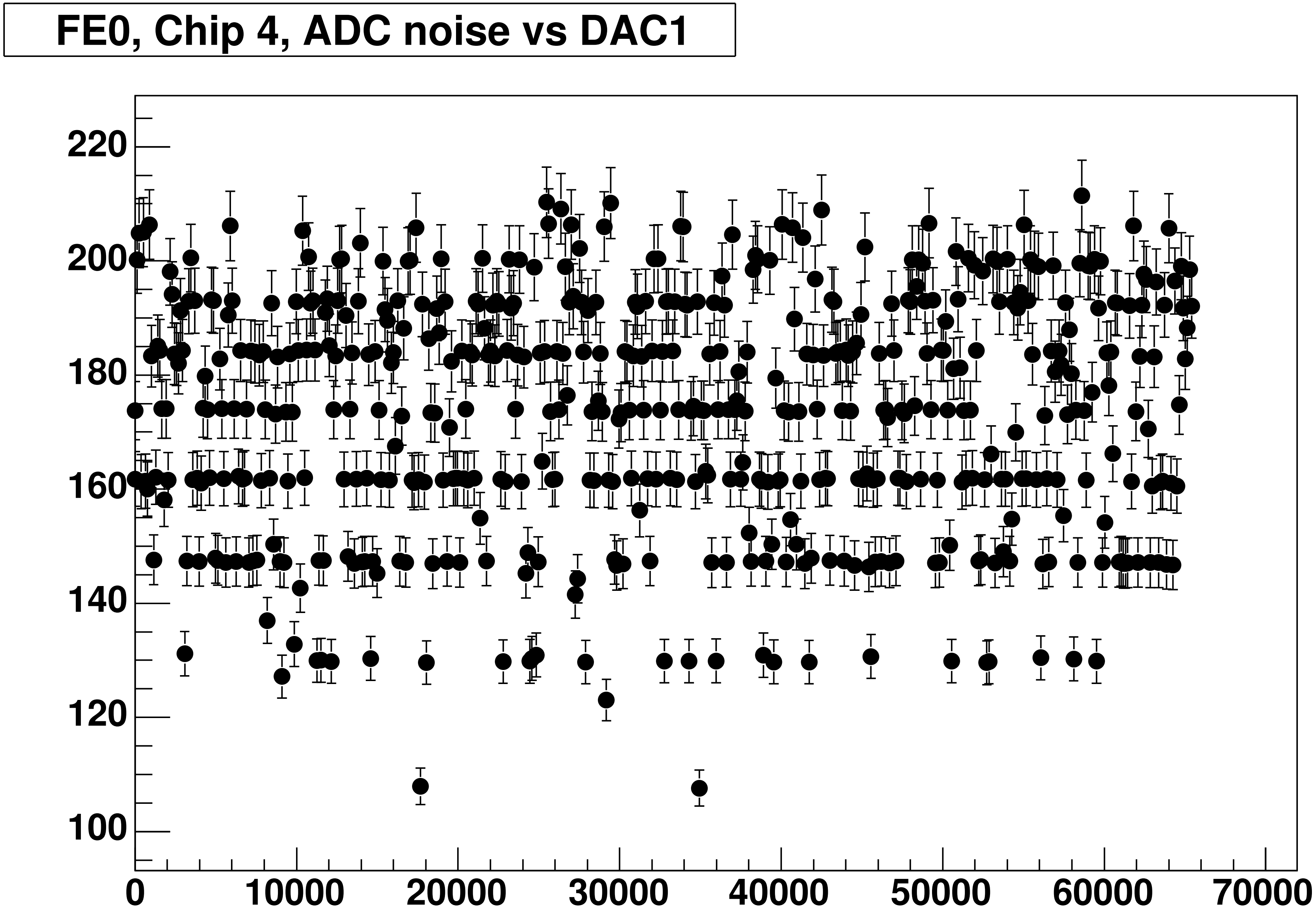
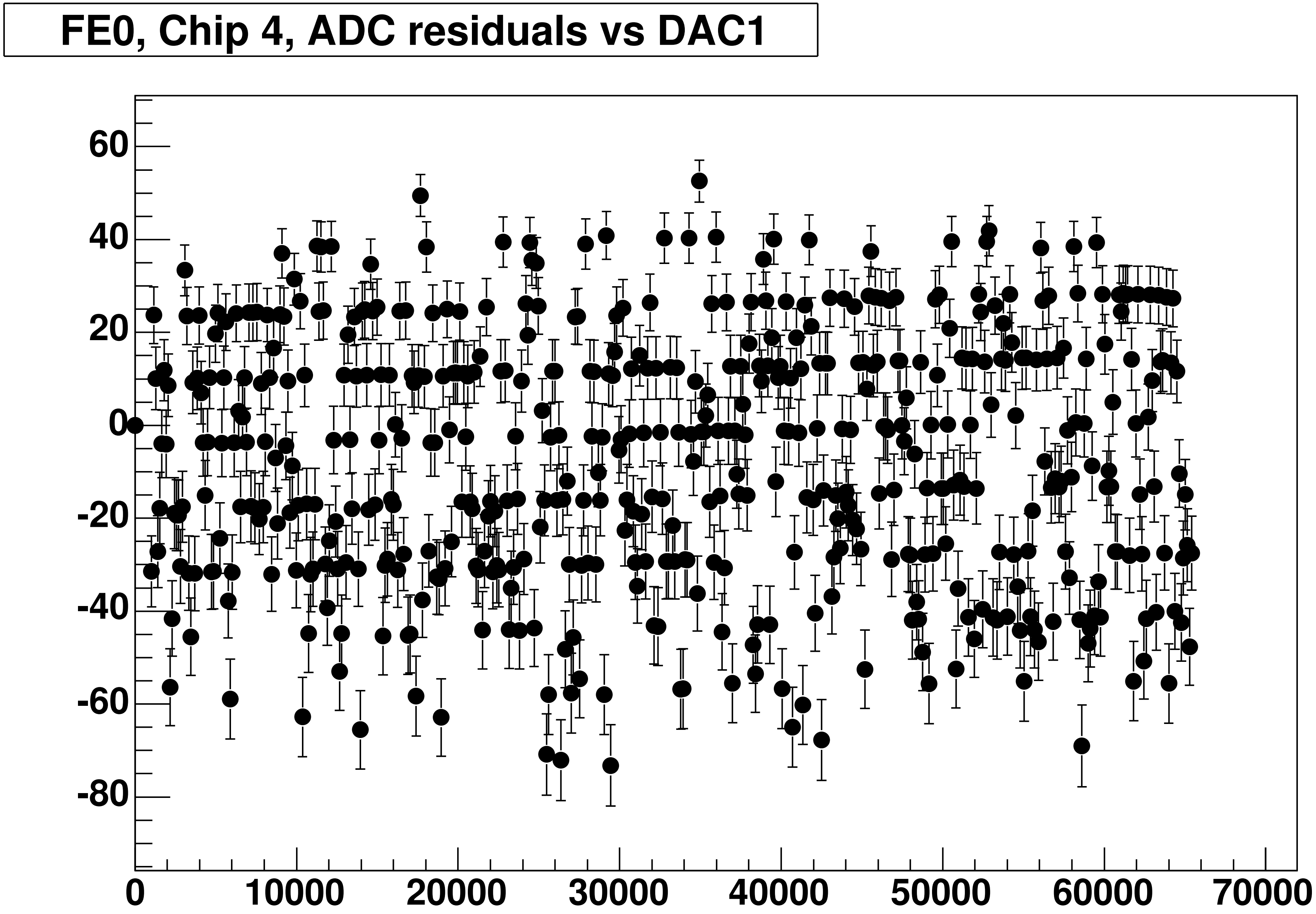
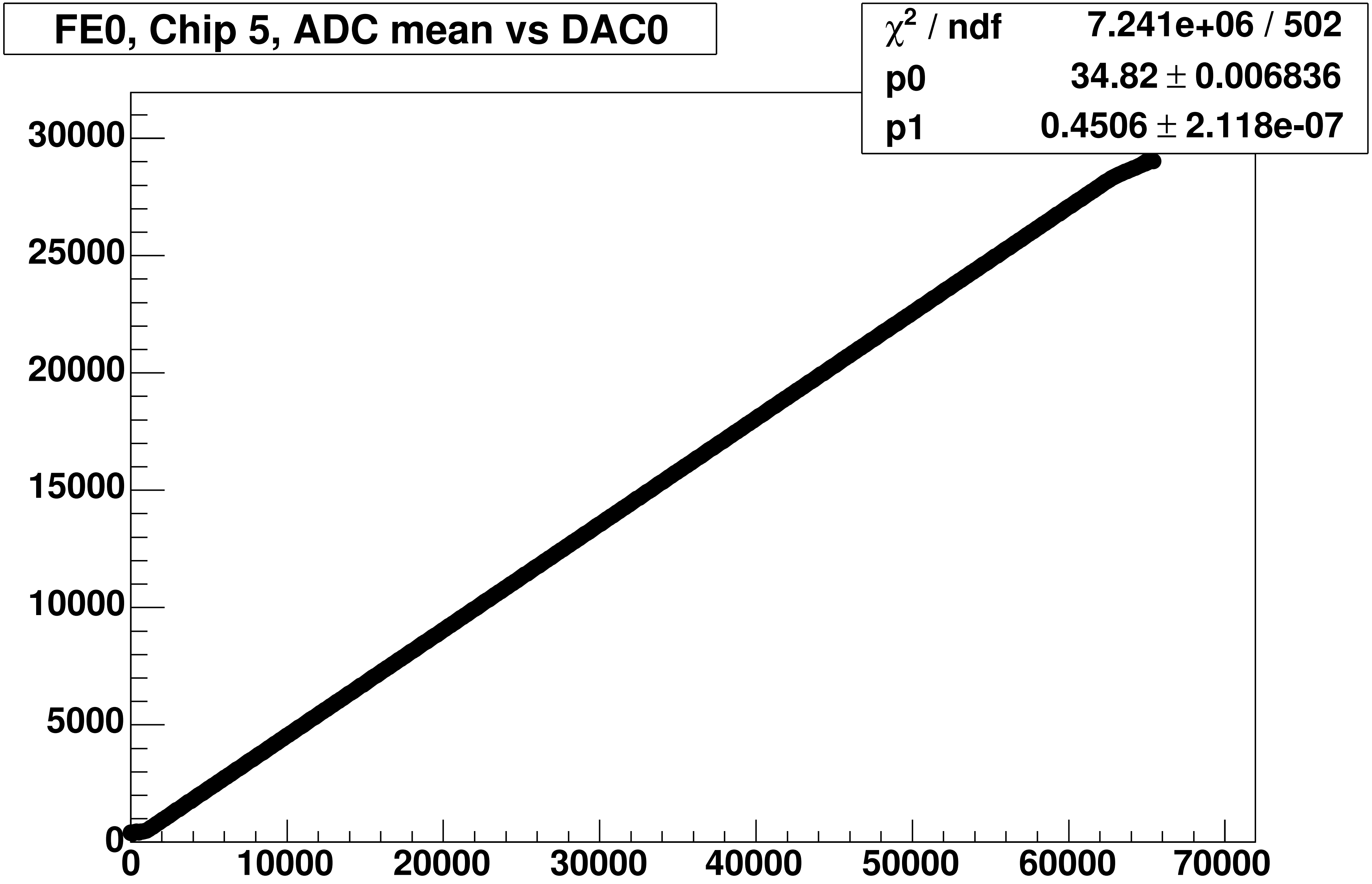
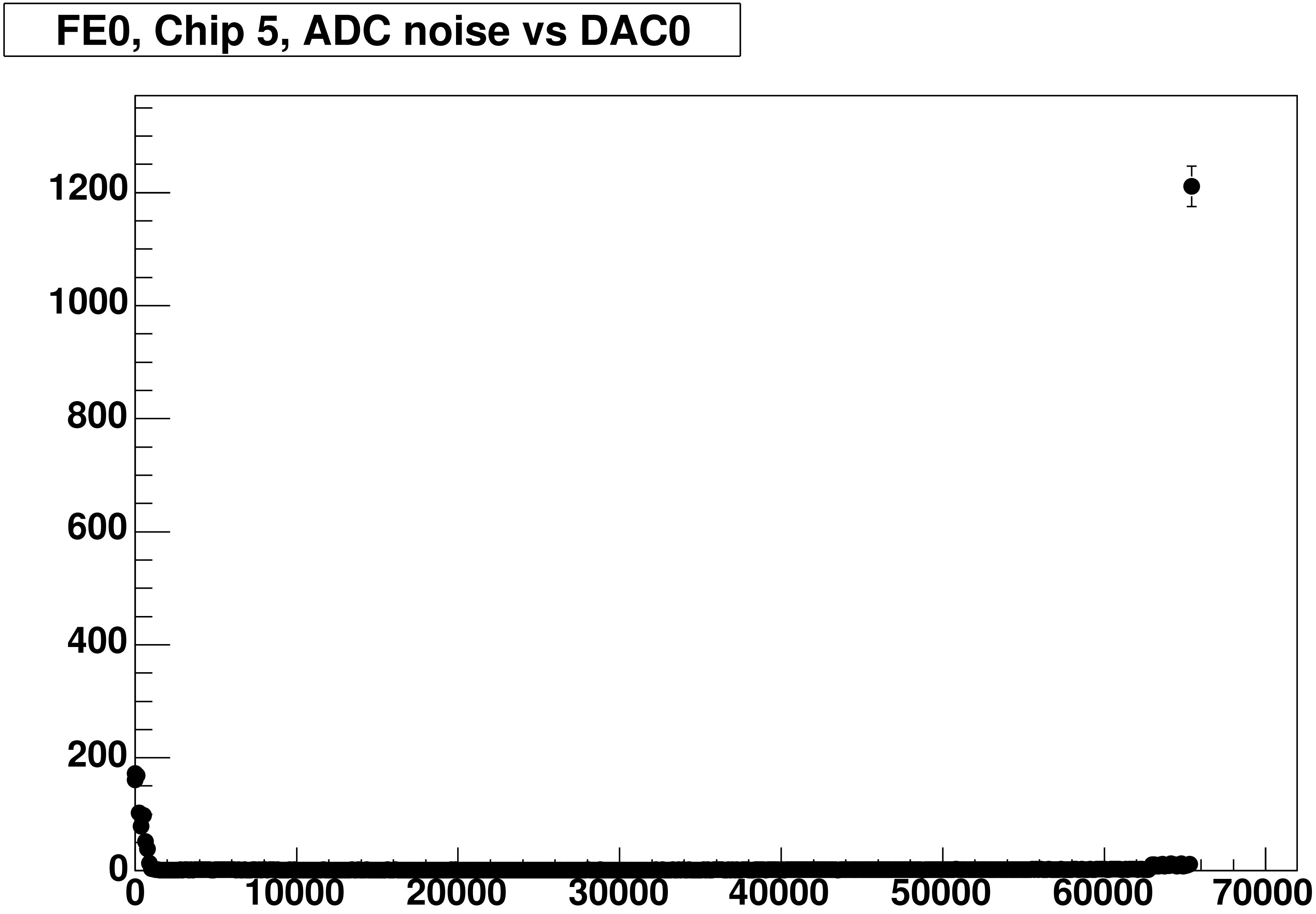
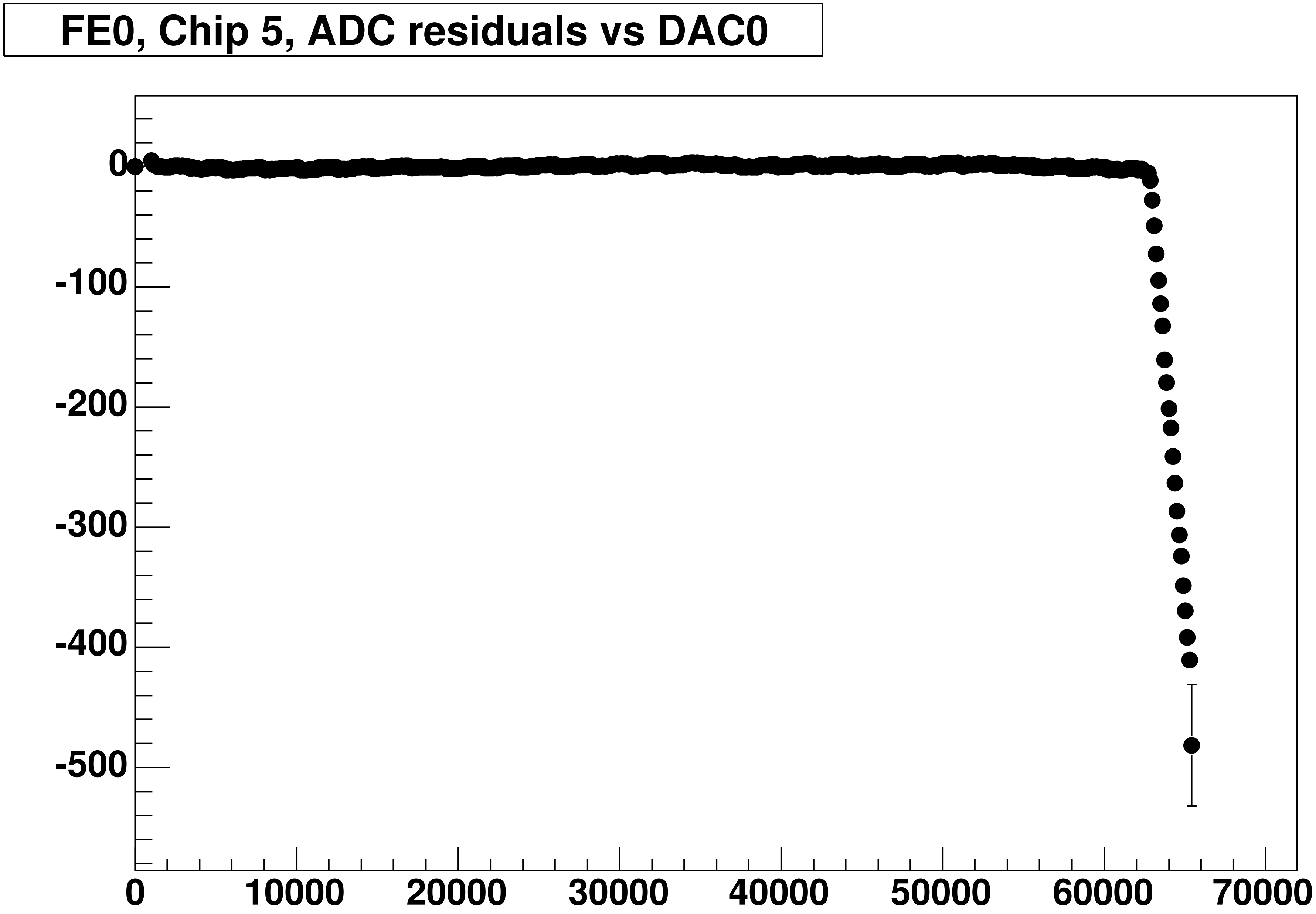
50000
60000
70000

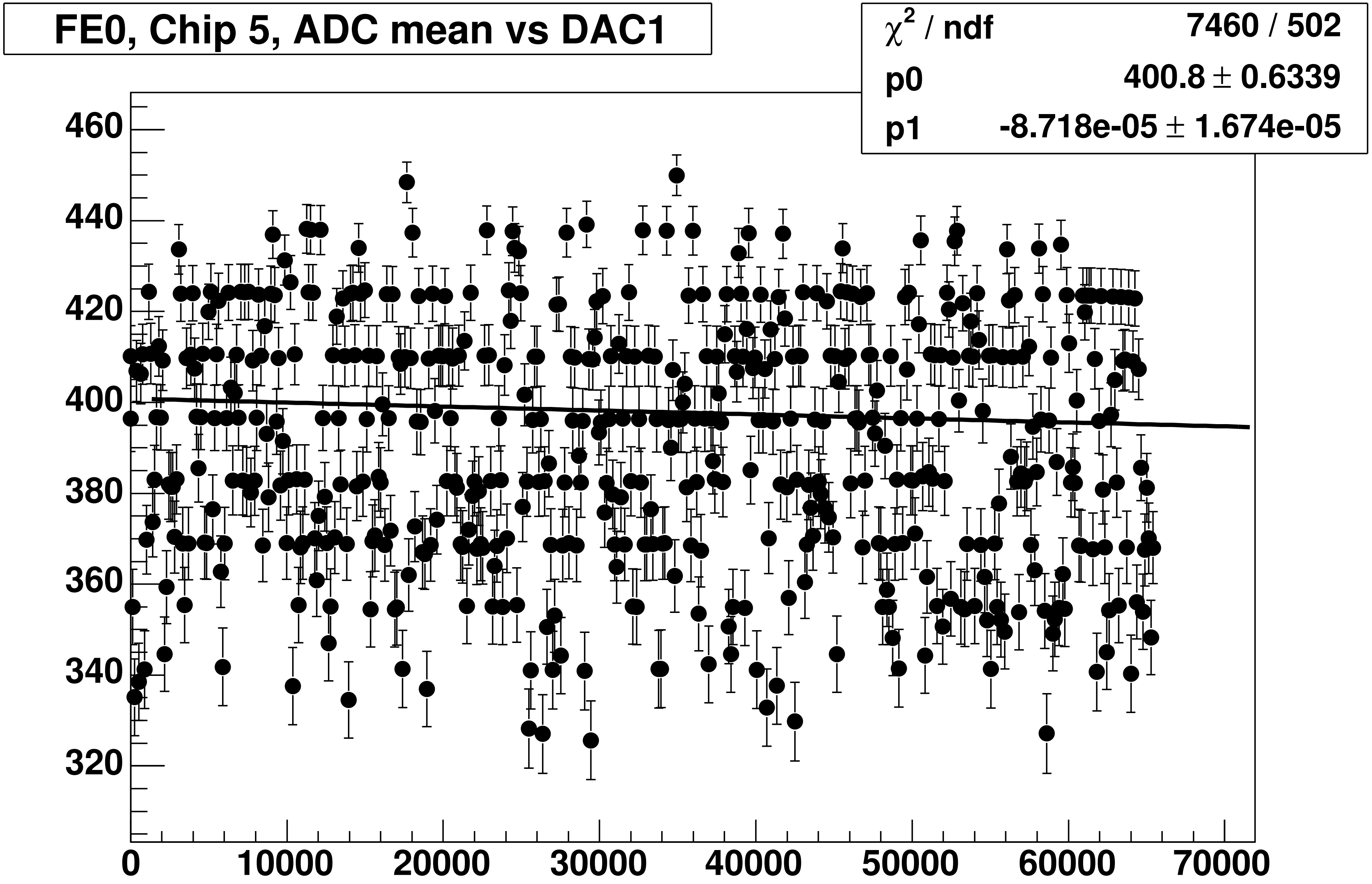

FE0, Chip 4, ADC noise vs DAC1
220
200
180
160
140
120
100
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 4, ADC residuals vs DAC1
60
40
20
0
-20
-40
-60
-80
0
10000
20000
30000
40000
50000
60000
70000

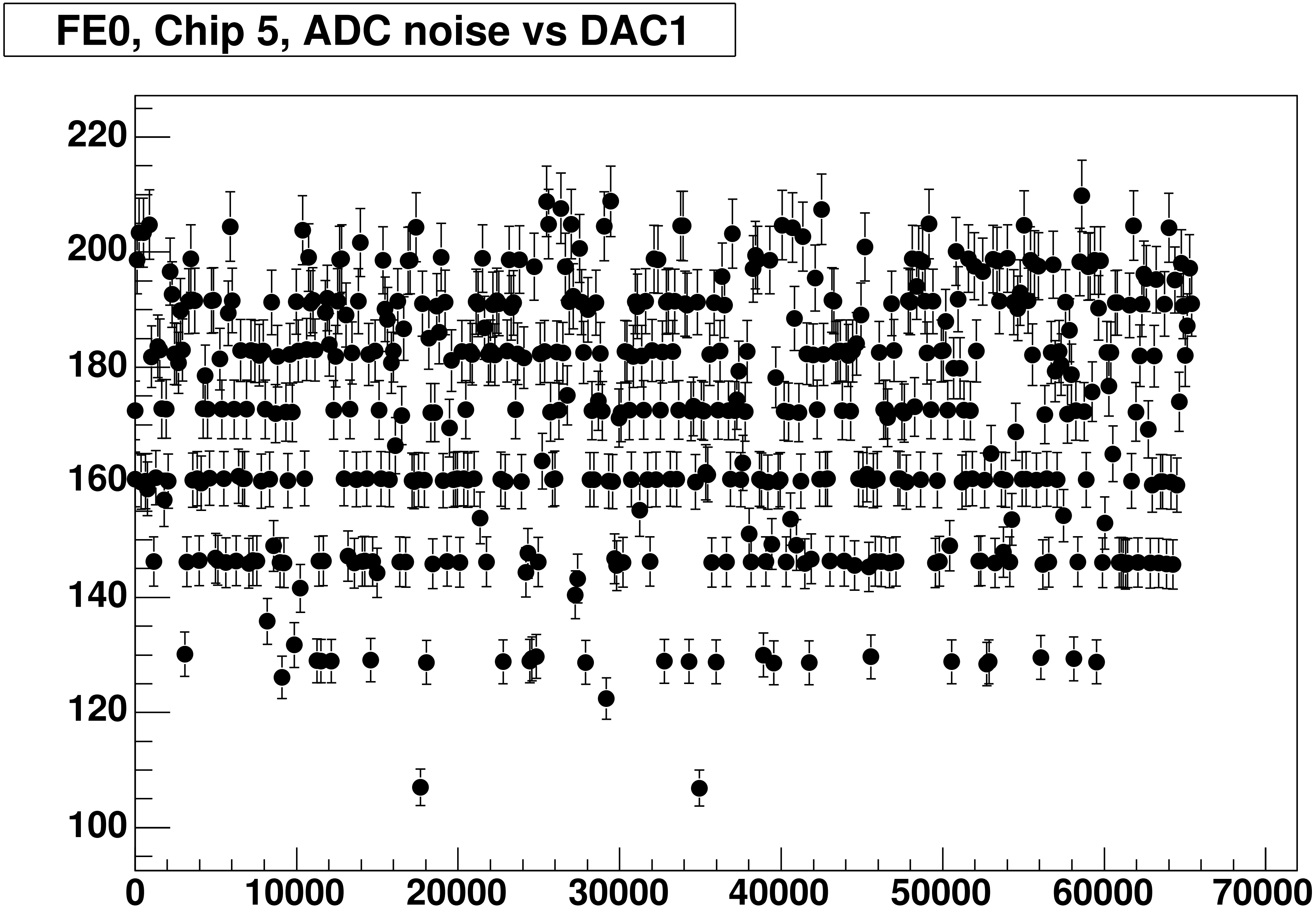

FE0, Chip 5, ADC mean vs DAC0
χ^2 / ndf 7.241e+06 / 502
p0 34.82 ± 0.006836
p1 0.4506 ± 2.118e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

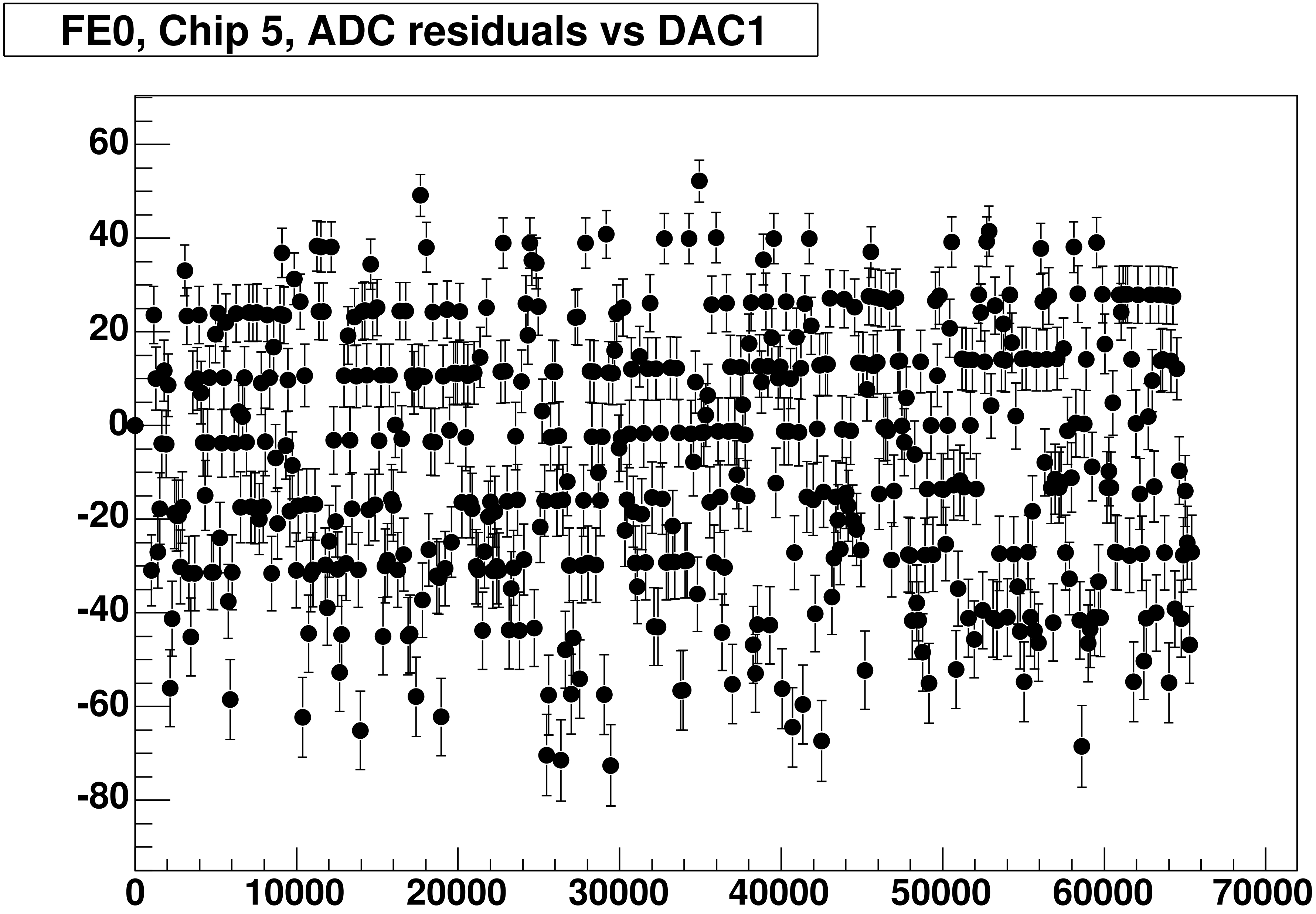

FE0, Chip 5, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

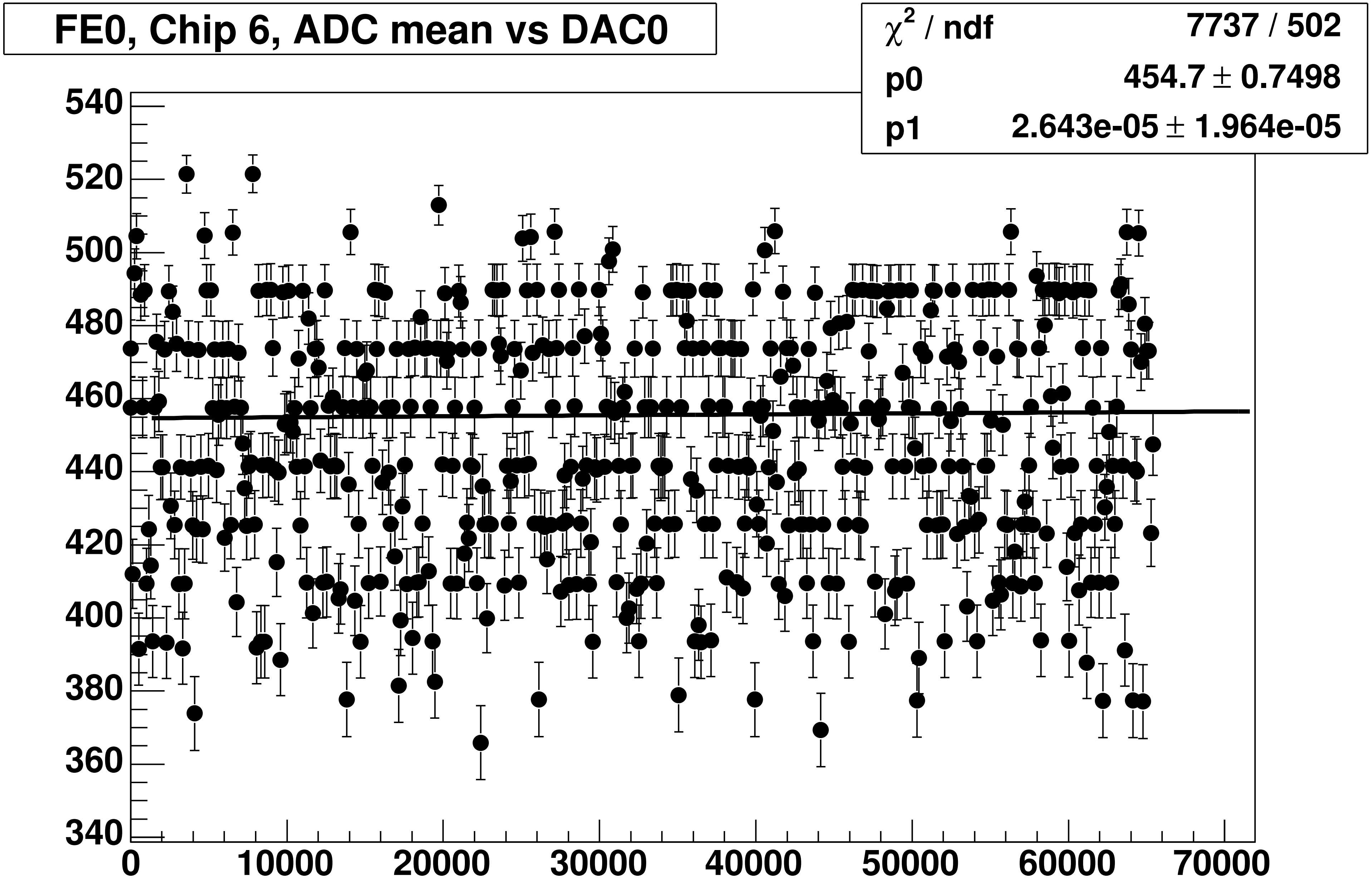

FE0, Chip 5, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000



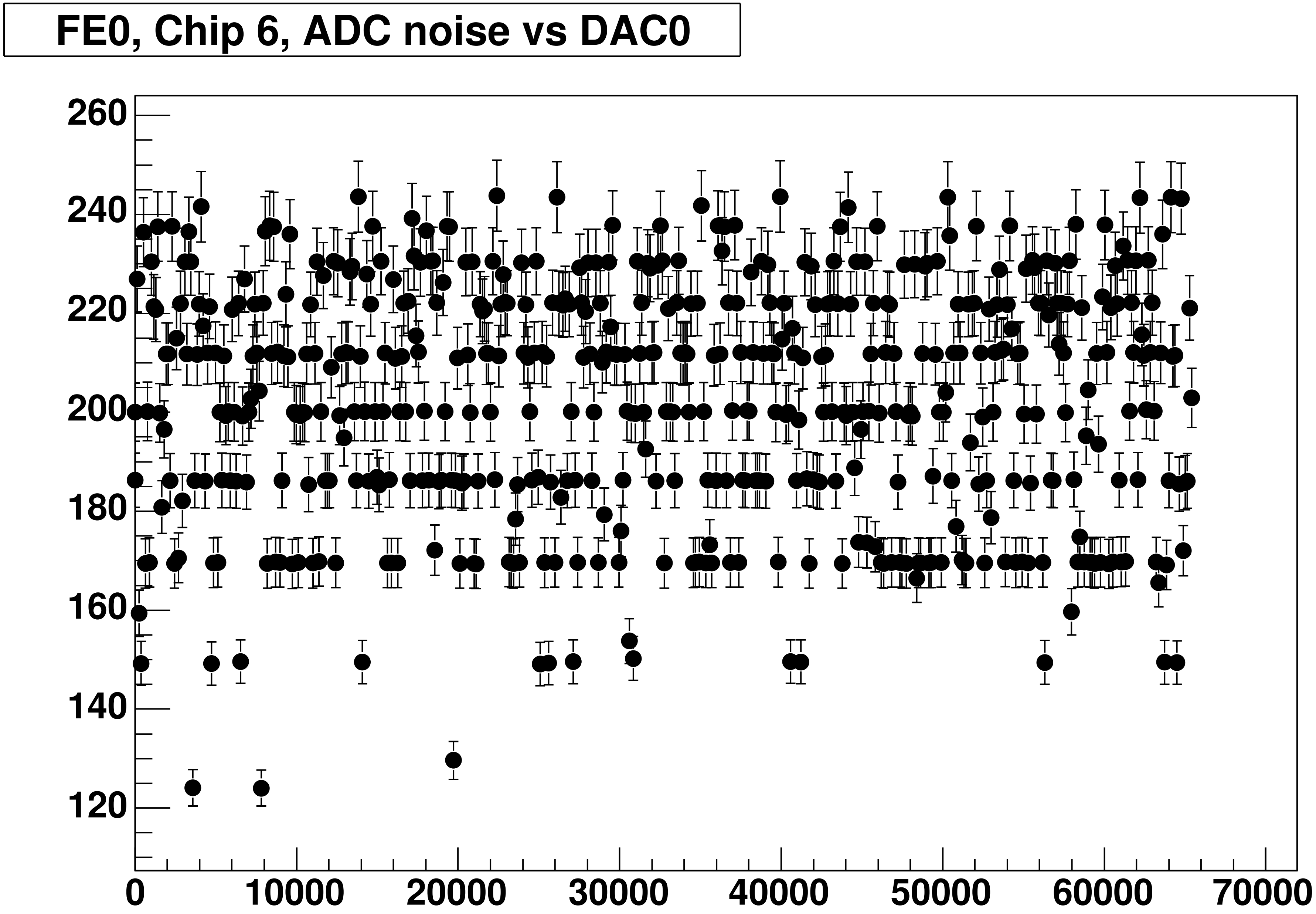
FE0, Chip 5, ADC mean vs DAC1
χ² / ndf 7460 / 502
p0 400.8 ± 0.6339
p1 -8.718e-05 ± 1.674e-05
460
440
420
400
380
360
340
320
0
10000
20000
30000
40000
50000
60000
70000

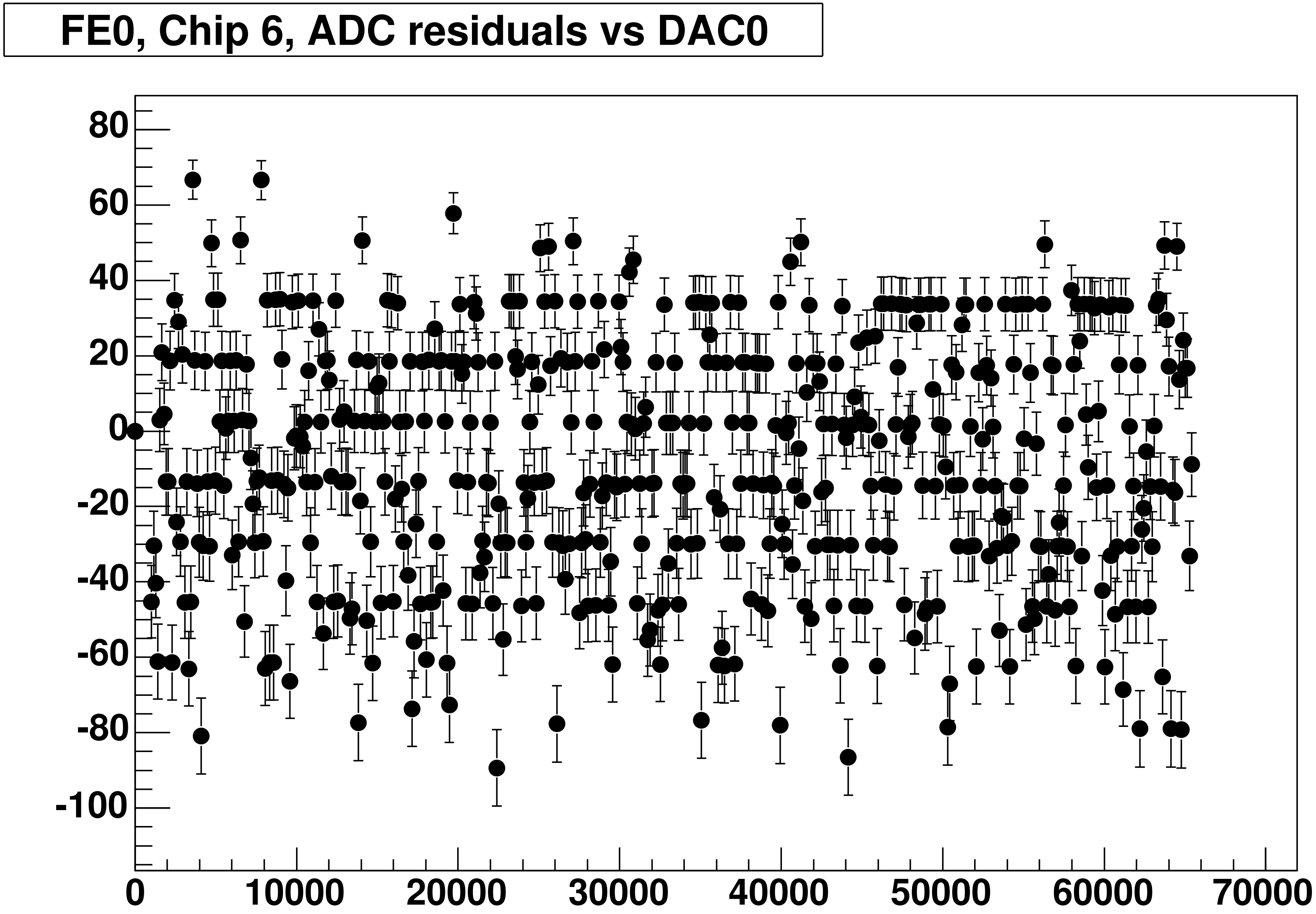

FE0, Chip 5, ADC noise vs DAC1
220
200
180
160
140
120
100
0
10000
20000
30000
40000
50000
60000
70000

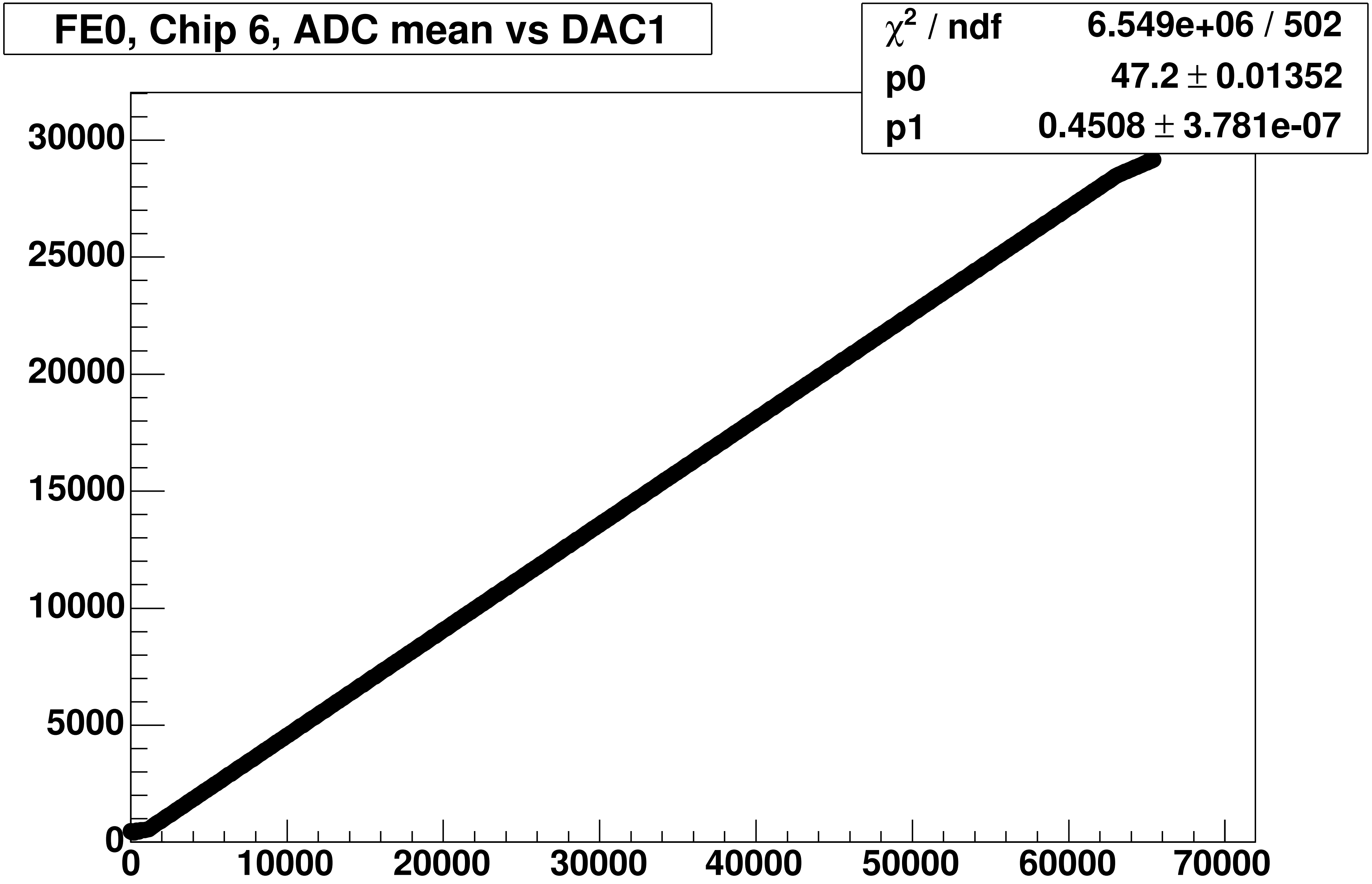

FE0, Chip 5, ADC residuals vs DAC1
60
40
20
0
-20
-40
-60
-80
0
10000
20000
30000
40000
50000
60000
70000



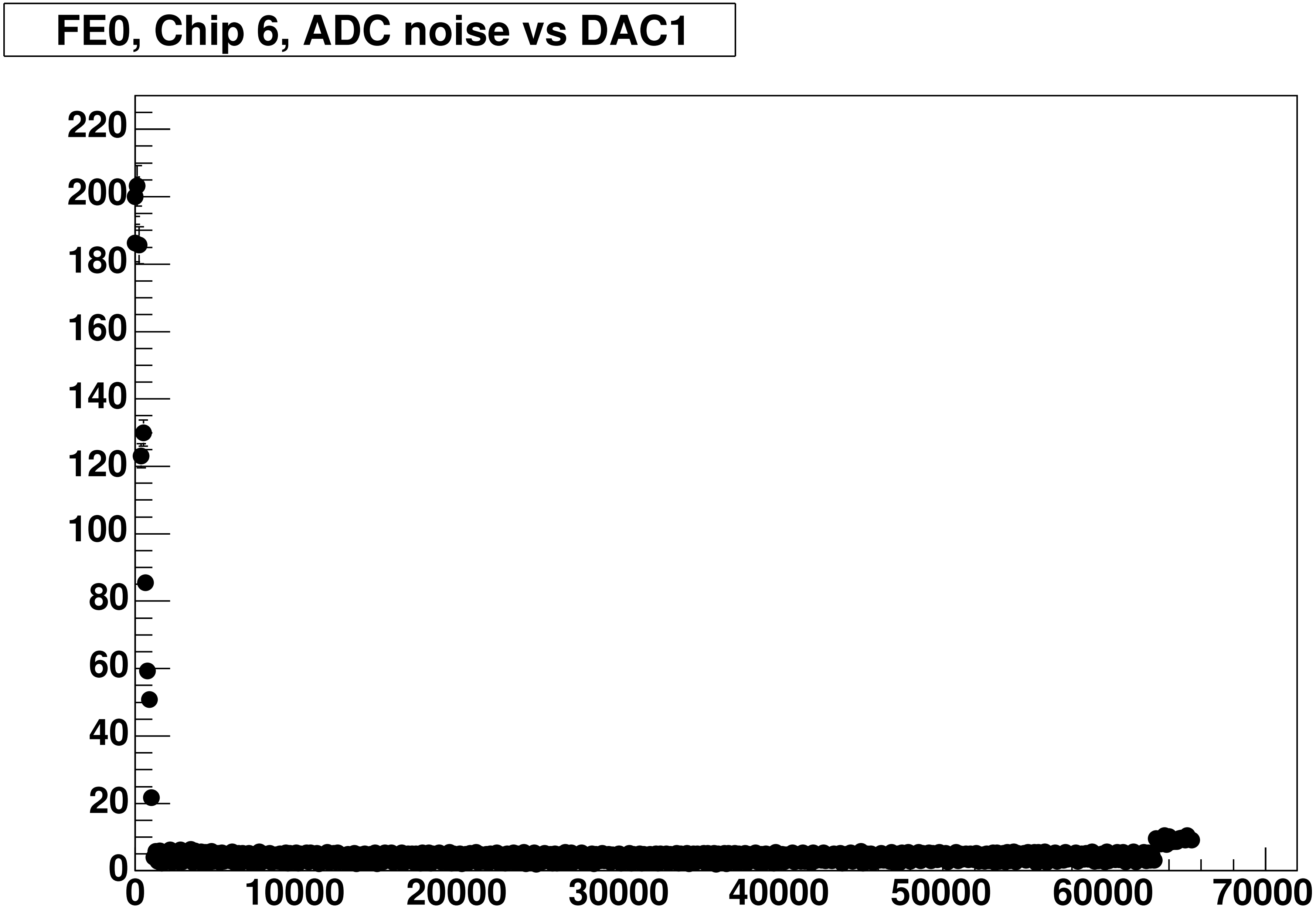
FE0, Chip 6, ADC mean vs DAC0
χ^2 / ndf 7737 / 502
p0 454.7 ± 0.7498
p1 2.643e-05 ± 1.964e-05
540
520
500
480
460
440
420
400
380
360
340
0
10000
20000
30000
40000
50000
60000
70000

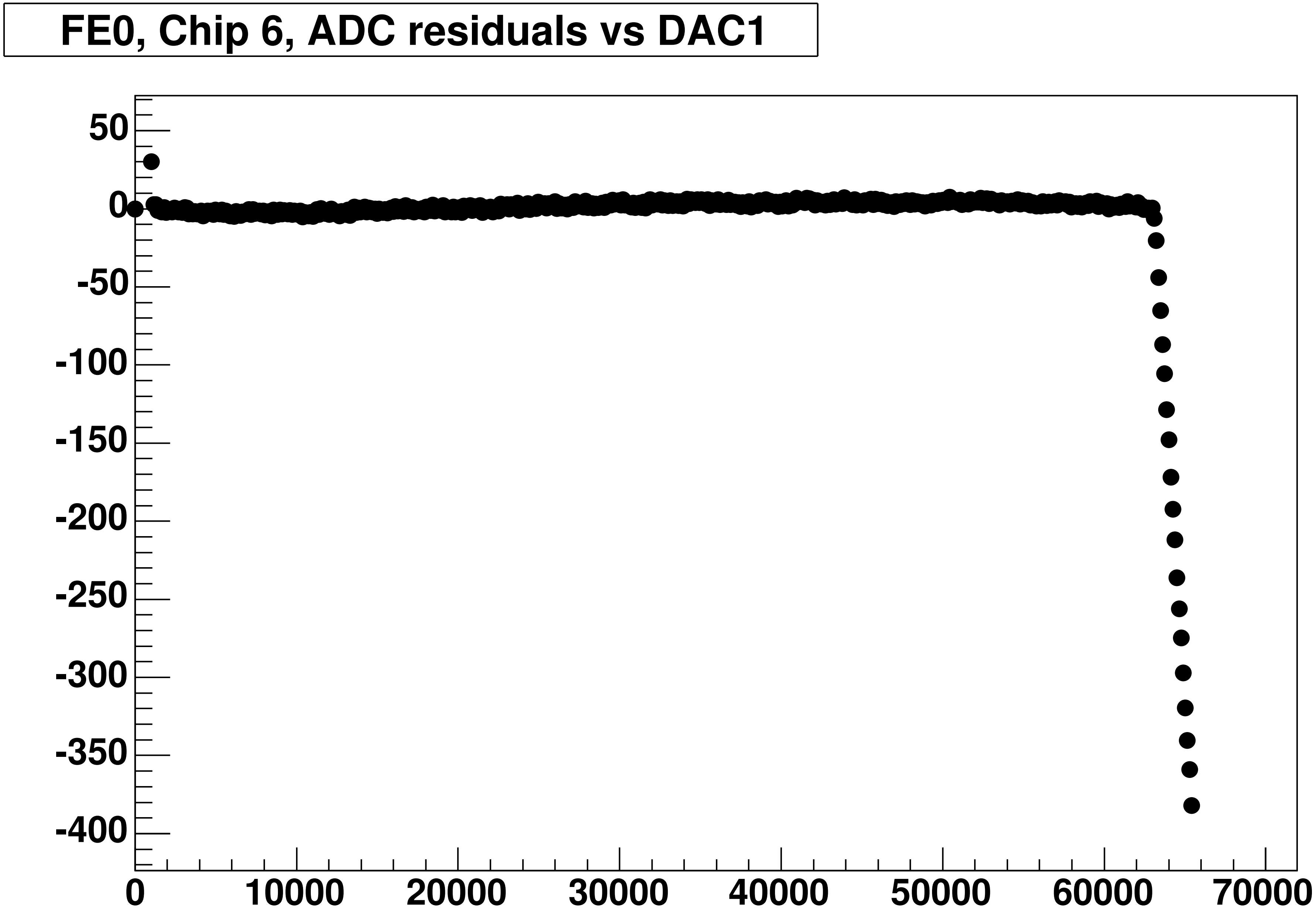

FE0, Chip 6, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

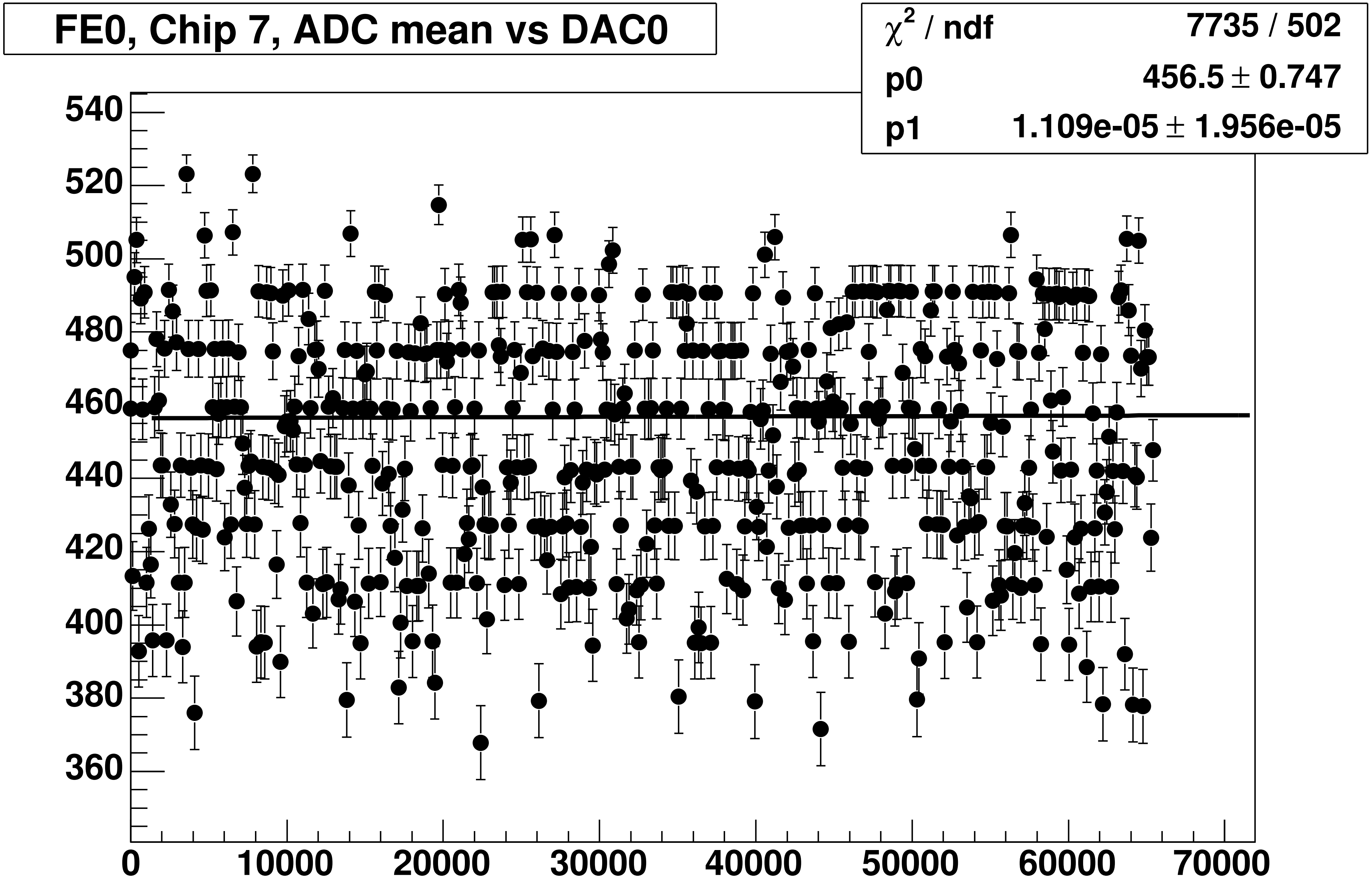

FE0, Chip 6, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000



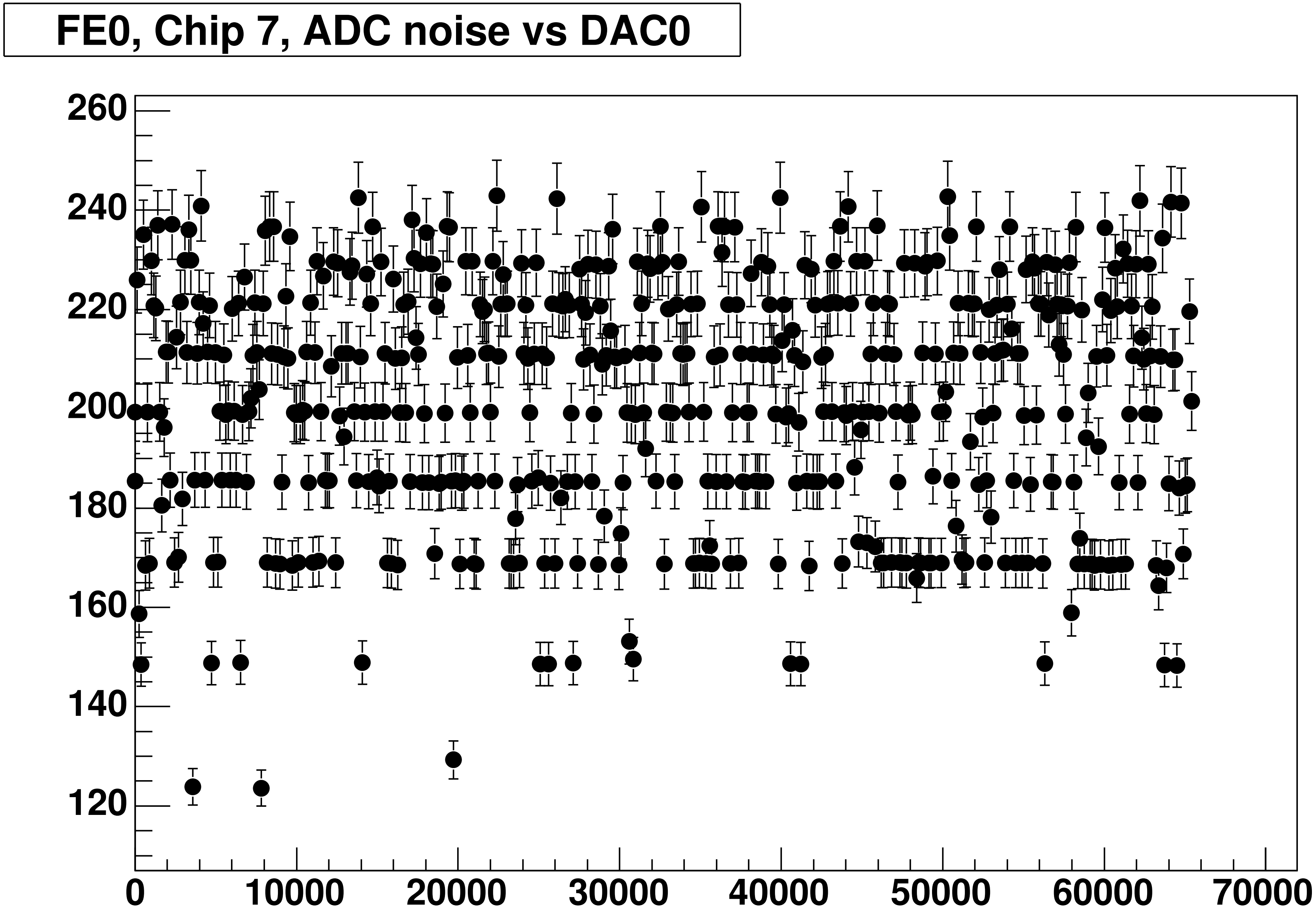
FE0, Chip 6, ADC mean vs DAC1
χ^2 / ndf 6.549e+06 / 502
p0 47.2 ± 0.01352
p1 0.4508 ± 3.781e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

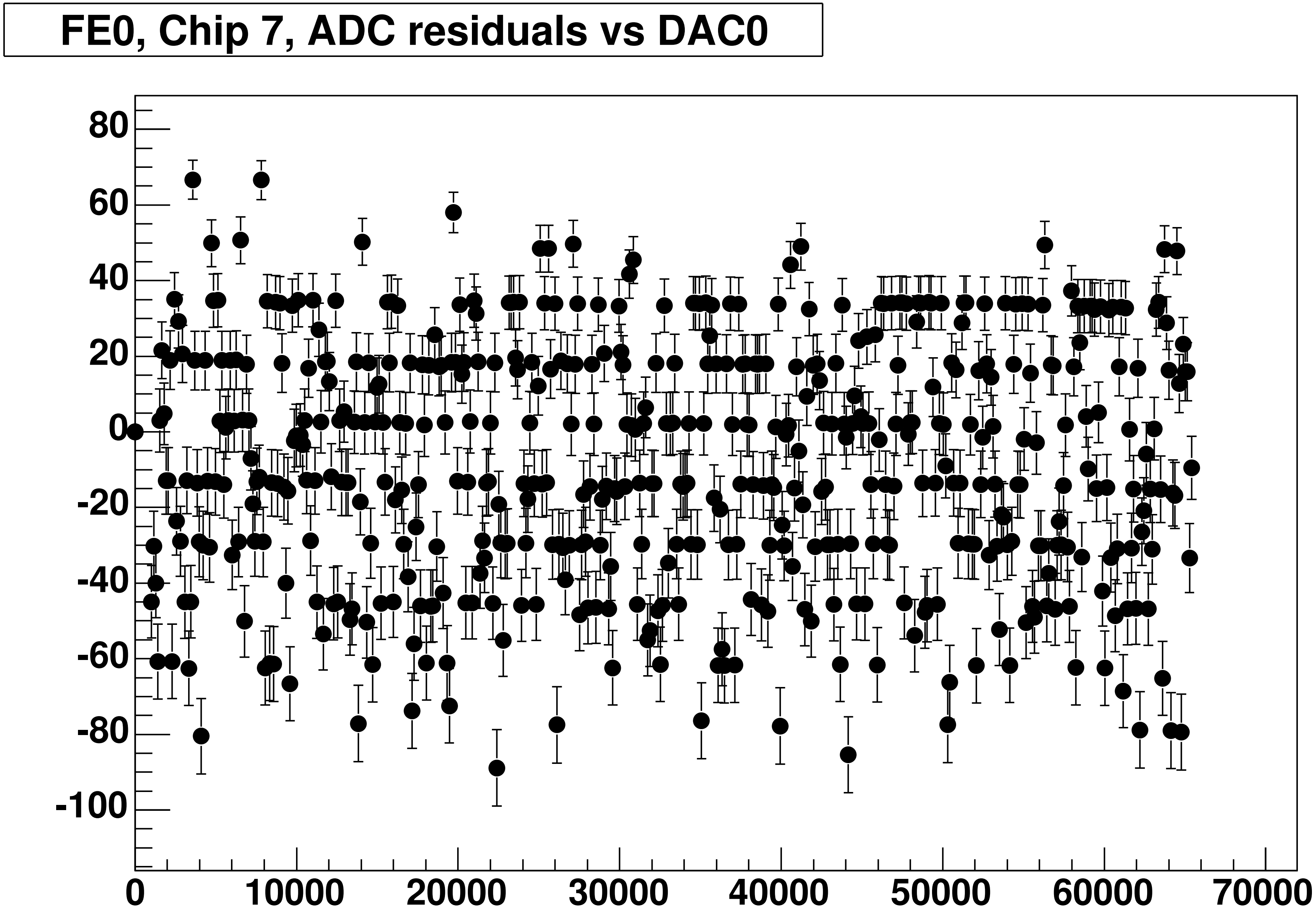

FE0, Chip 6, ADC noise vs DAC1
220
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

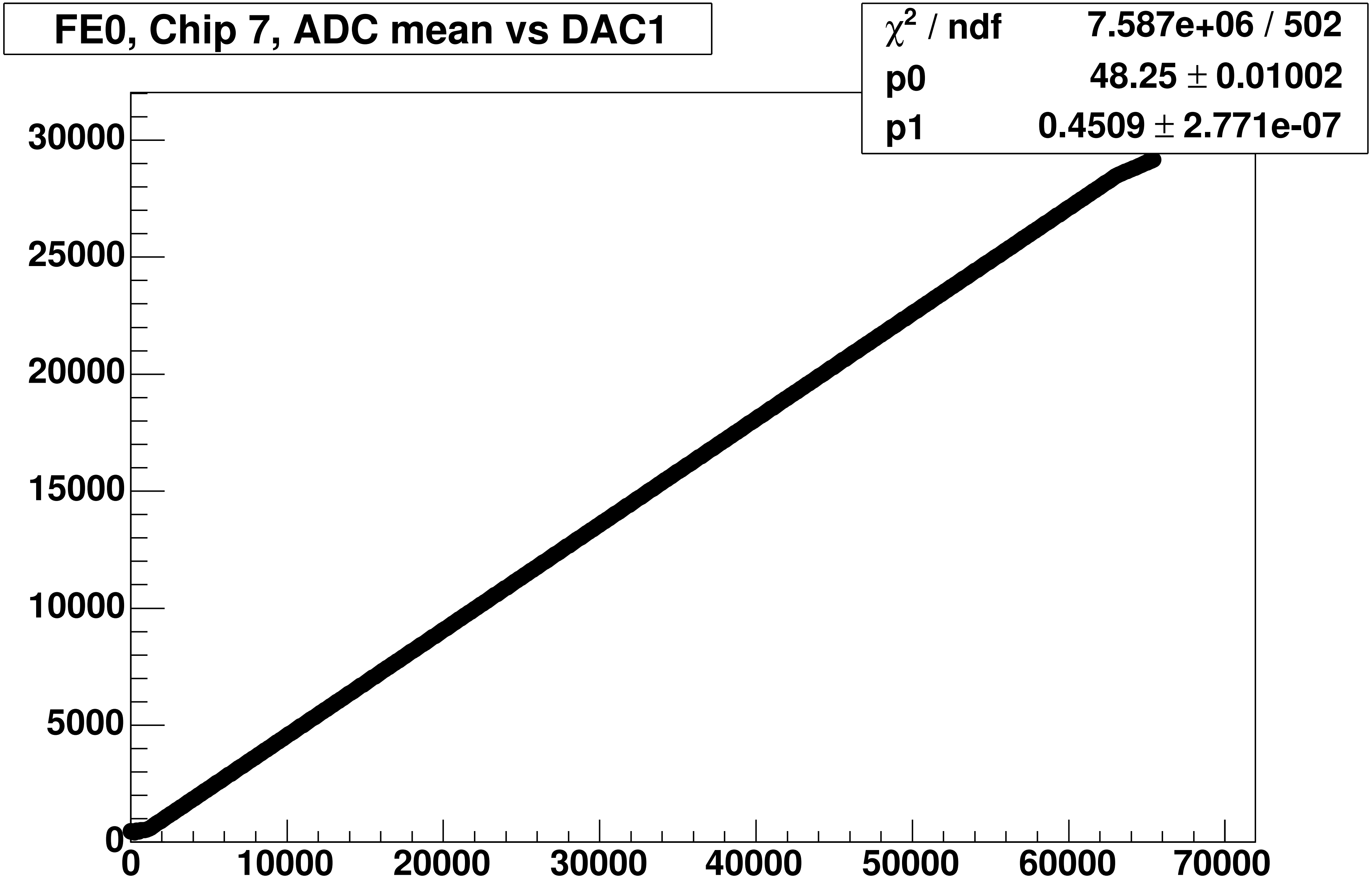

FE0, Chip 6, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
-300
-350
-400
0
10000
20000
30000
40000
50000
60000
70000

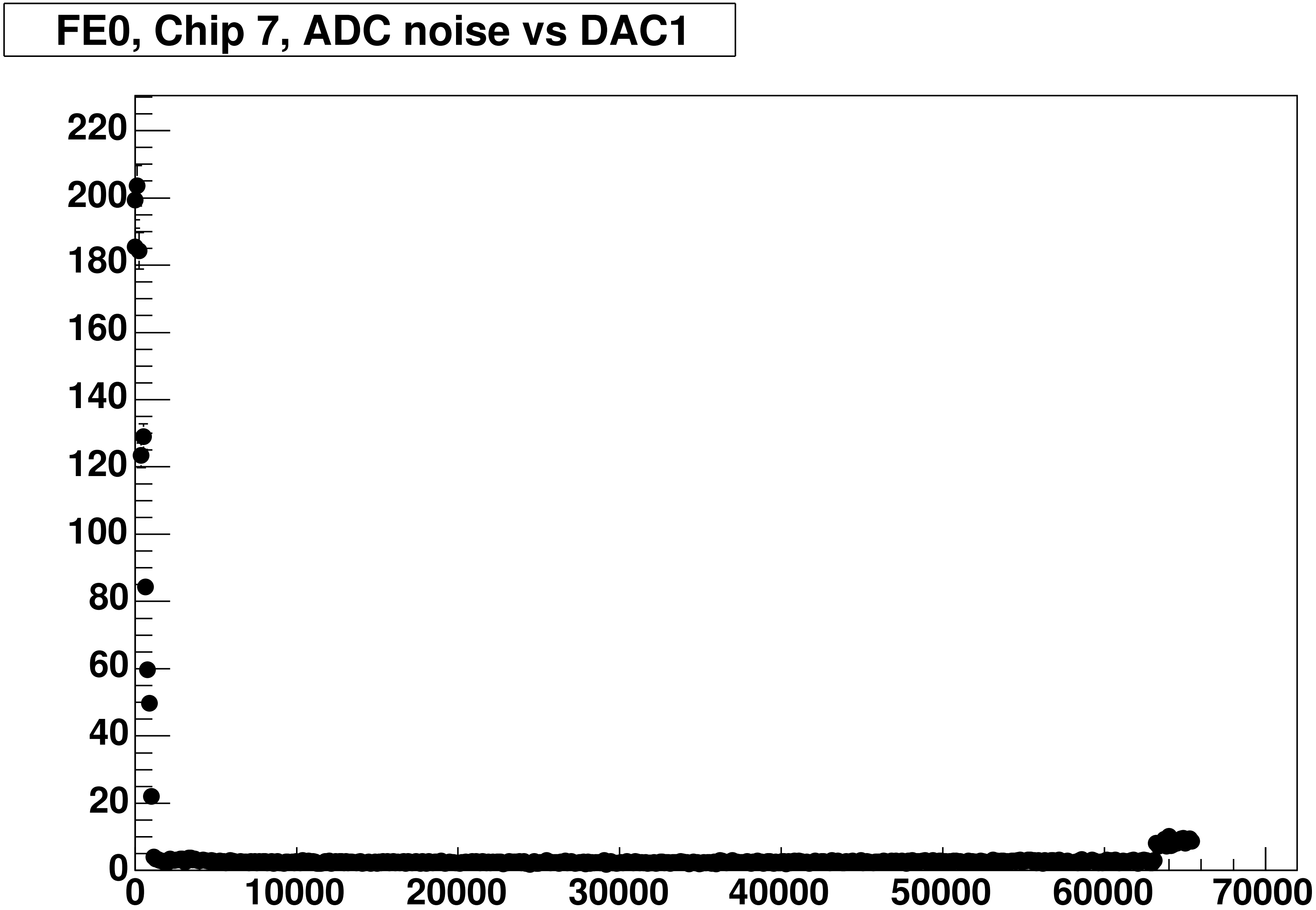


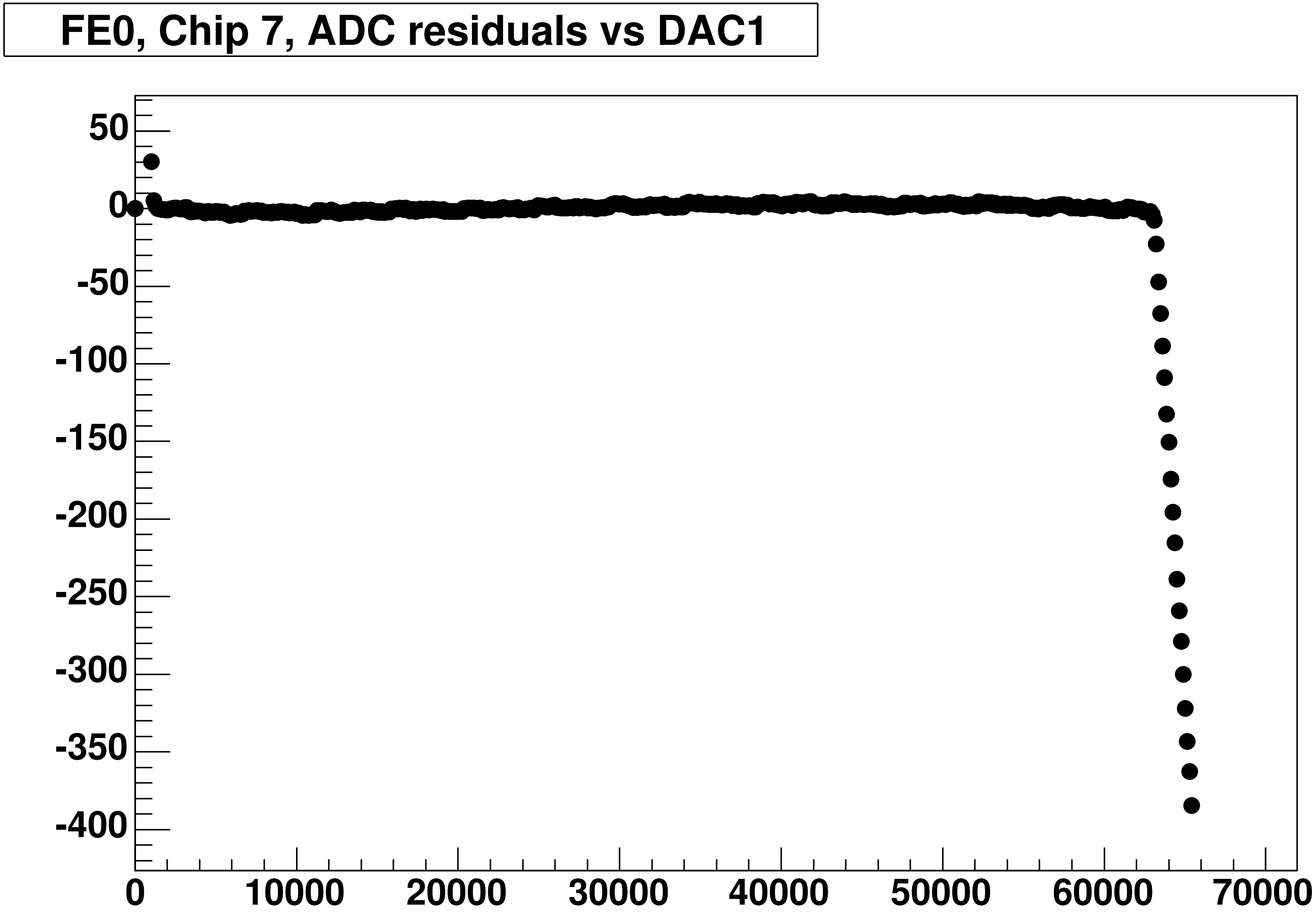
FE0, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7735 / 502
p0 456.5 ± 0.747
p1 1.109e-05 ± 1.956e-05
540
520
500
480
460
440
420
400
380
360
0
10000
20000
30000
40000
50000
60000
70000

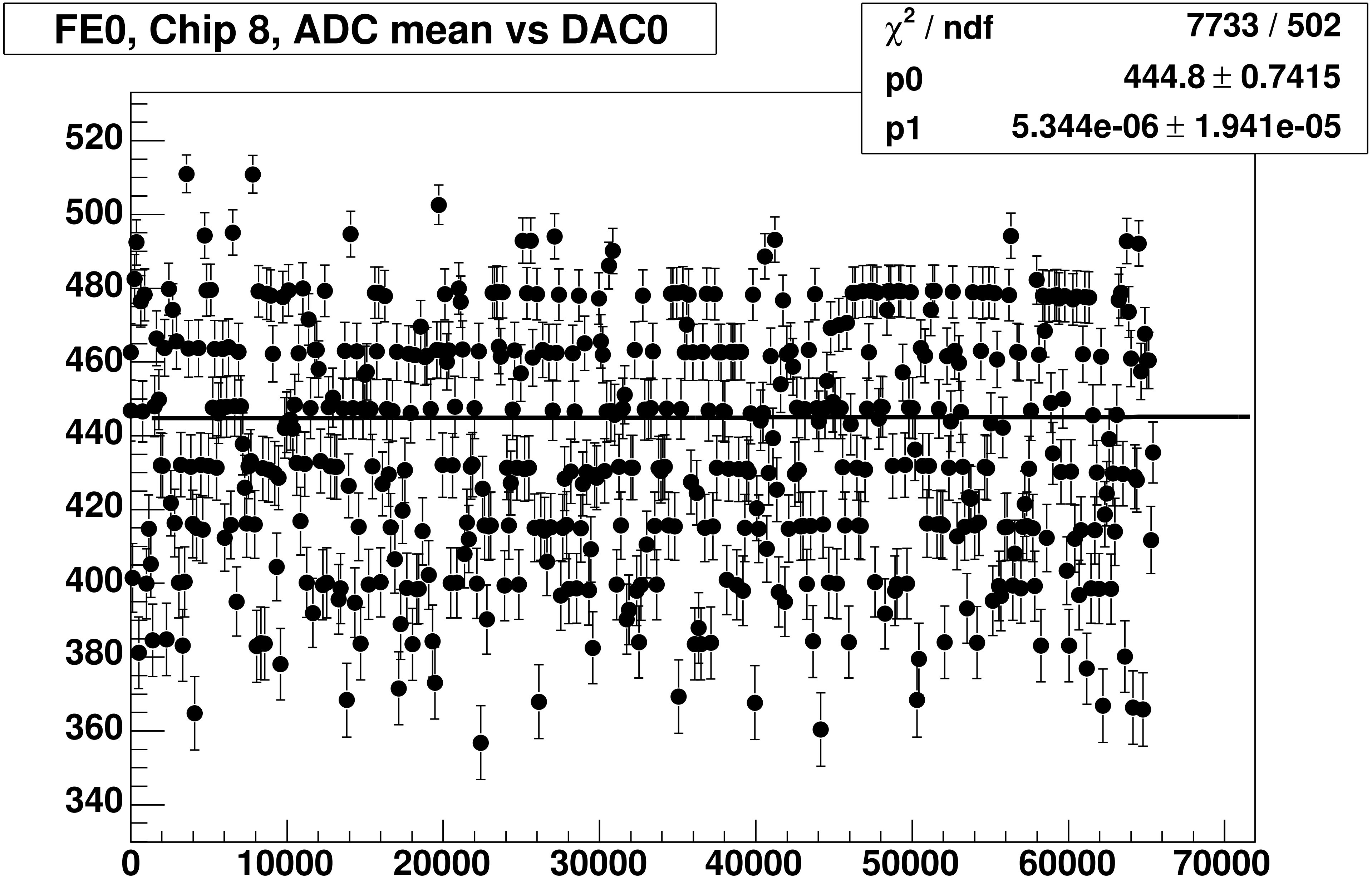

FE0, Chip 7, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

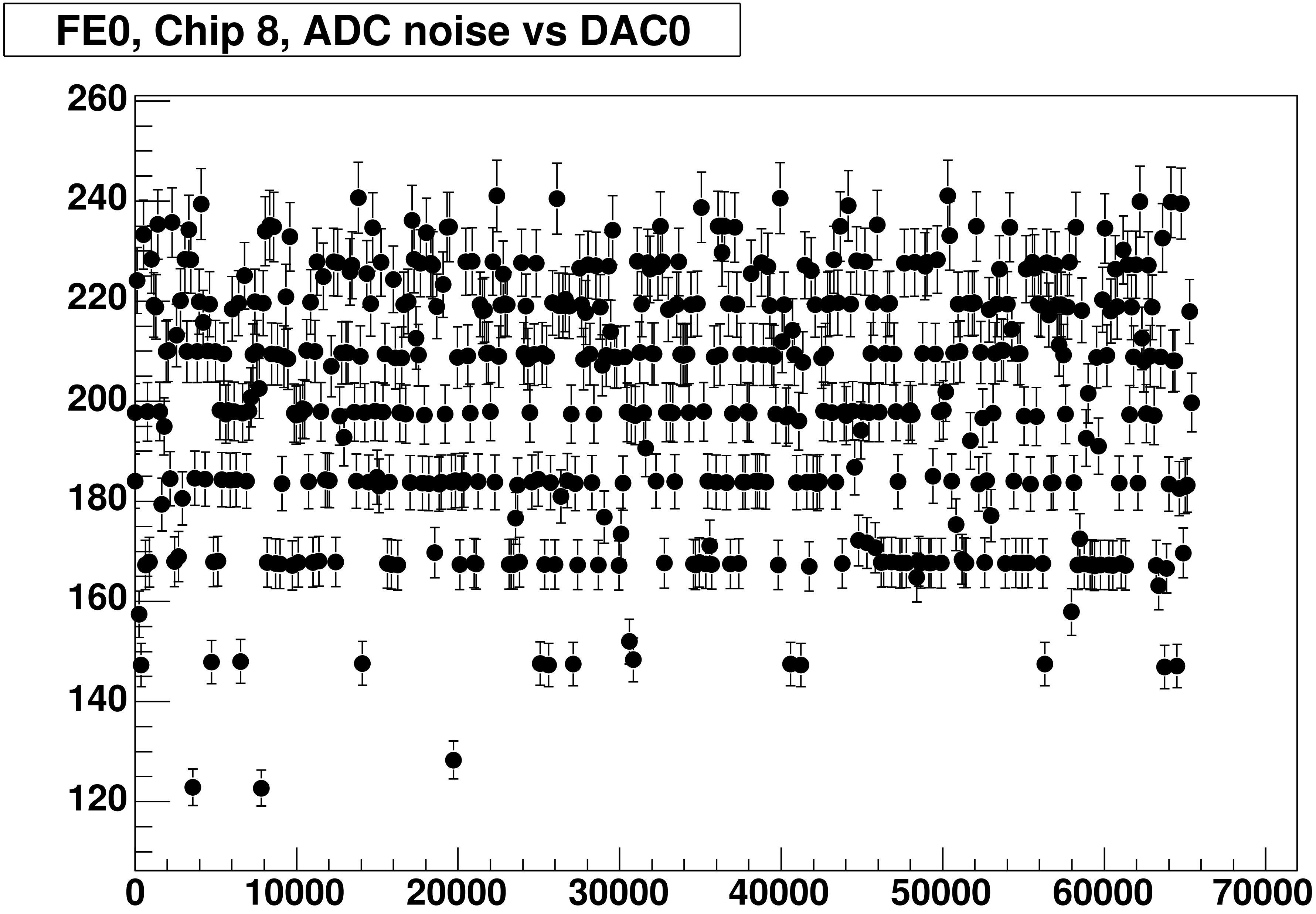

FE0, Chip 7, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

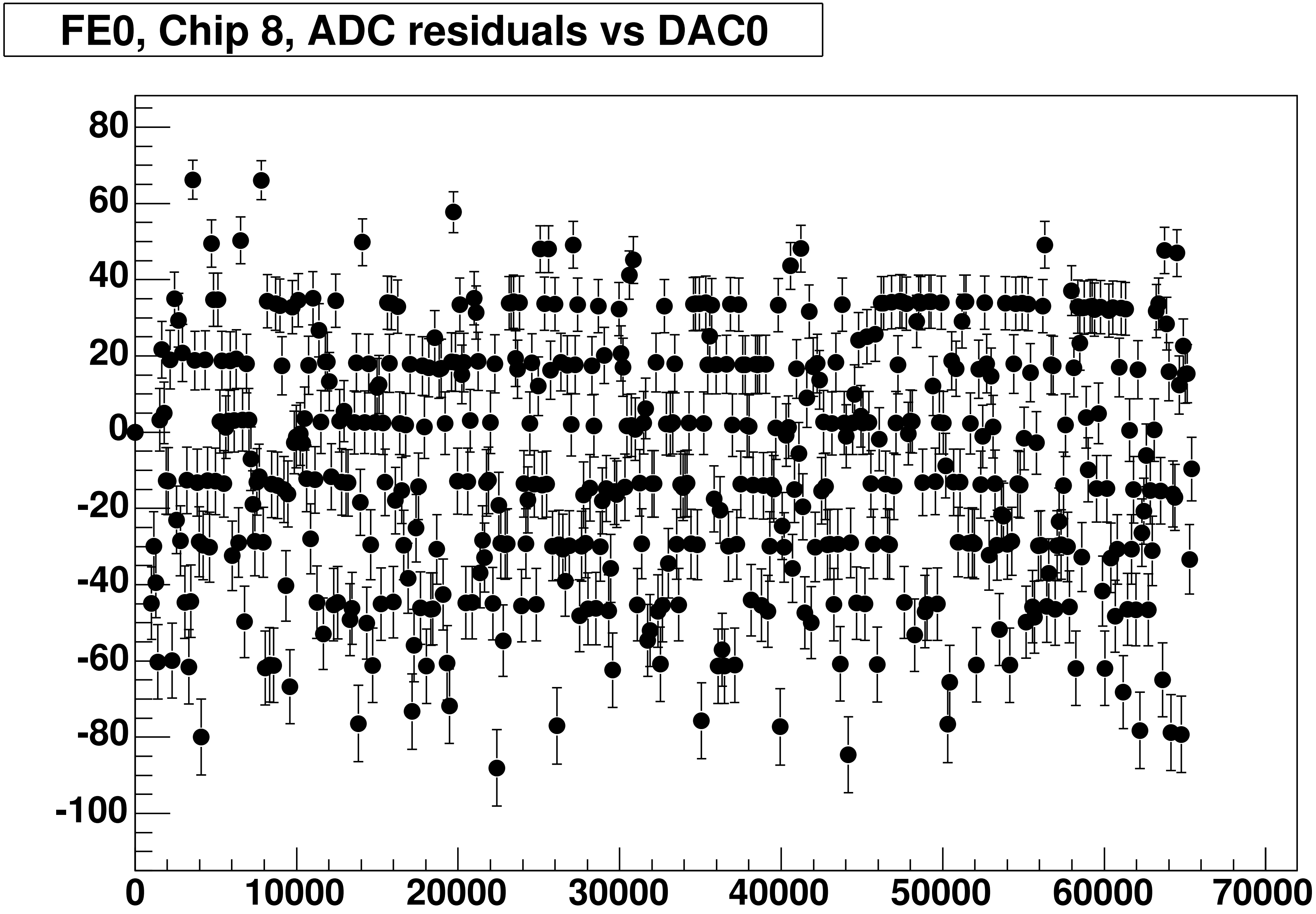

FE0, Chip 7, ADC mean vs DAC1
χ2 / ndf 7.587e+06 / 502
p0 48.25 ± 0.01002
p1 0.4509 ± 2.771e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 7, ADC noise vs DAC1
220
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

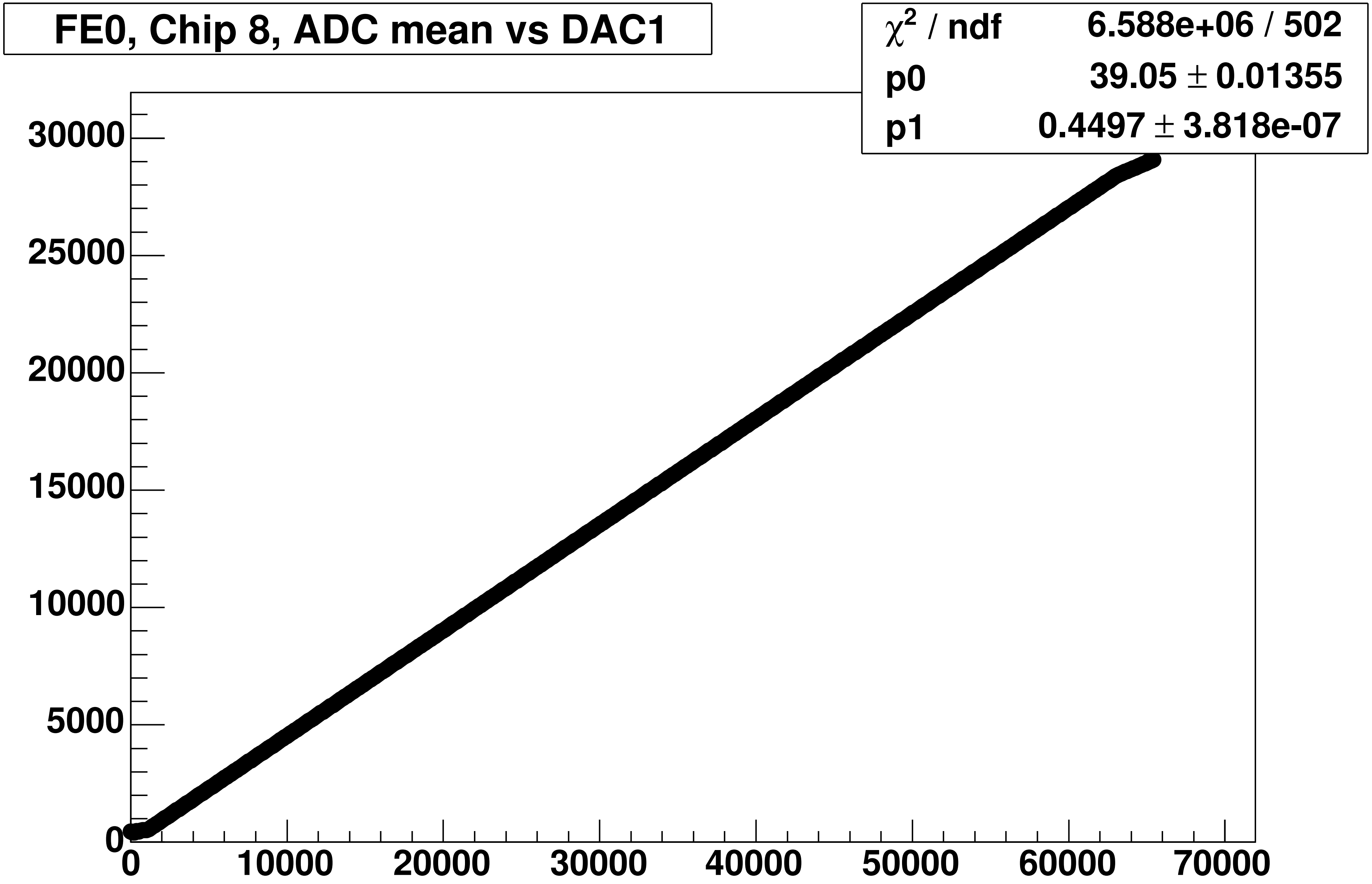

FE0, Chip 7, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
-300
-350
-400
0
10000
20000
30000
40000
50000
60000
70000

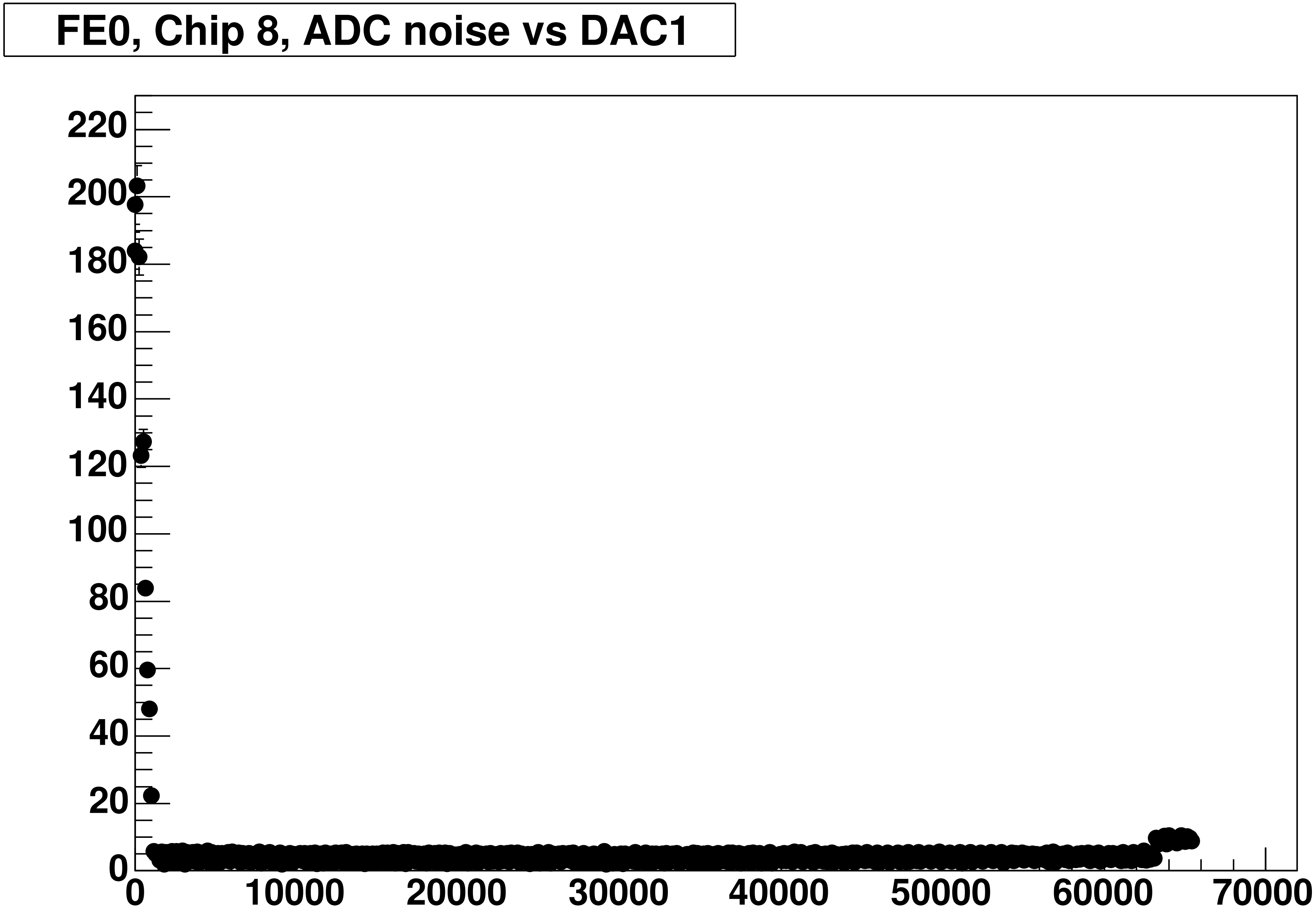

FE0, Chip 8, ADC mean vs DAC0
χ^2 / ndf 7733 / 502
p0 444.8 ± 0.7415
p1 5.344e-06 ± 1.941e-05
520
500
480
460
440
420
400
380
360
340
0
10000
20000
30000
40000
50000
60000
70000

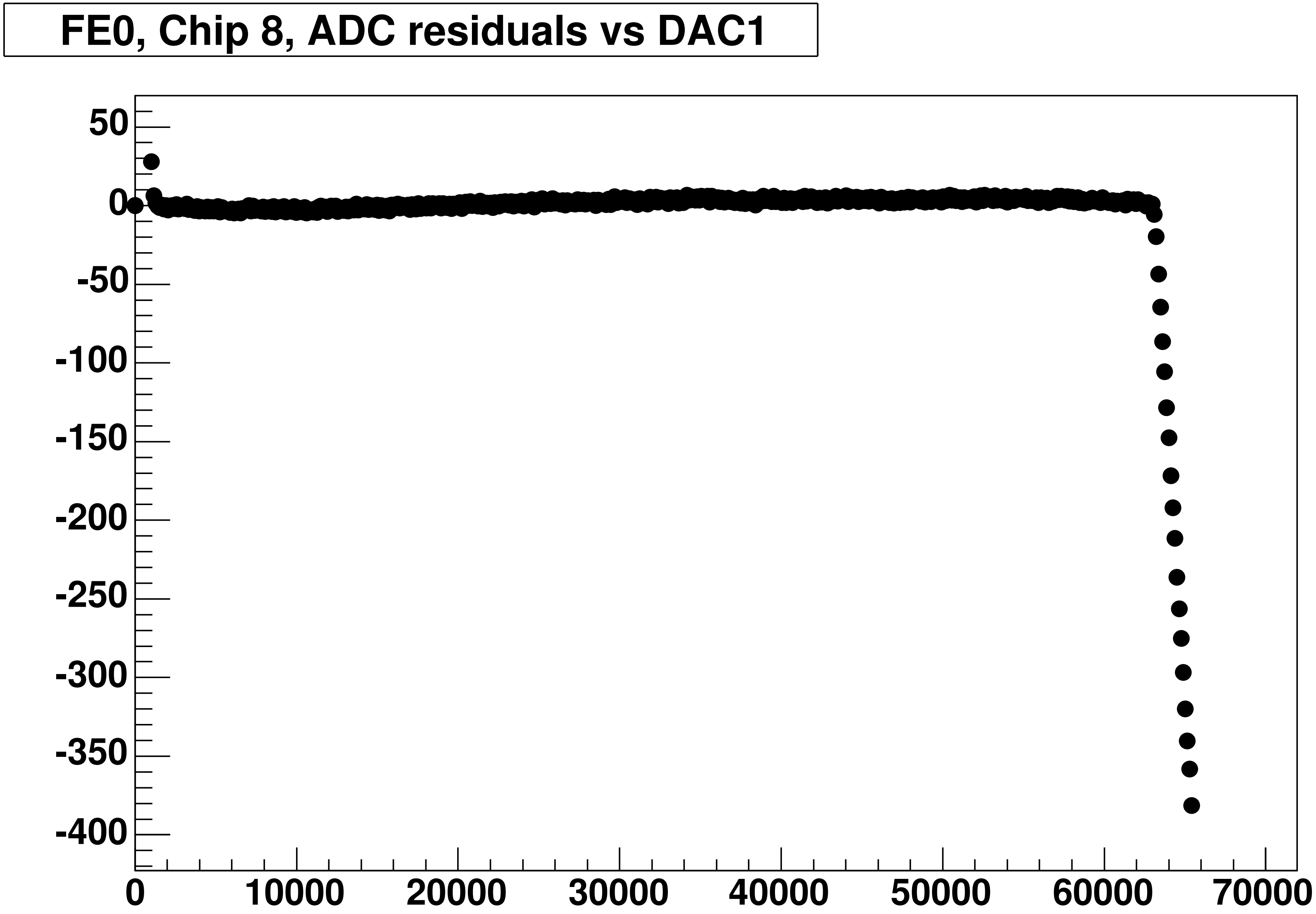

FE0, Chip 8, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

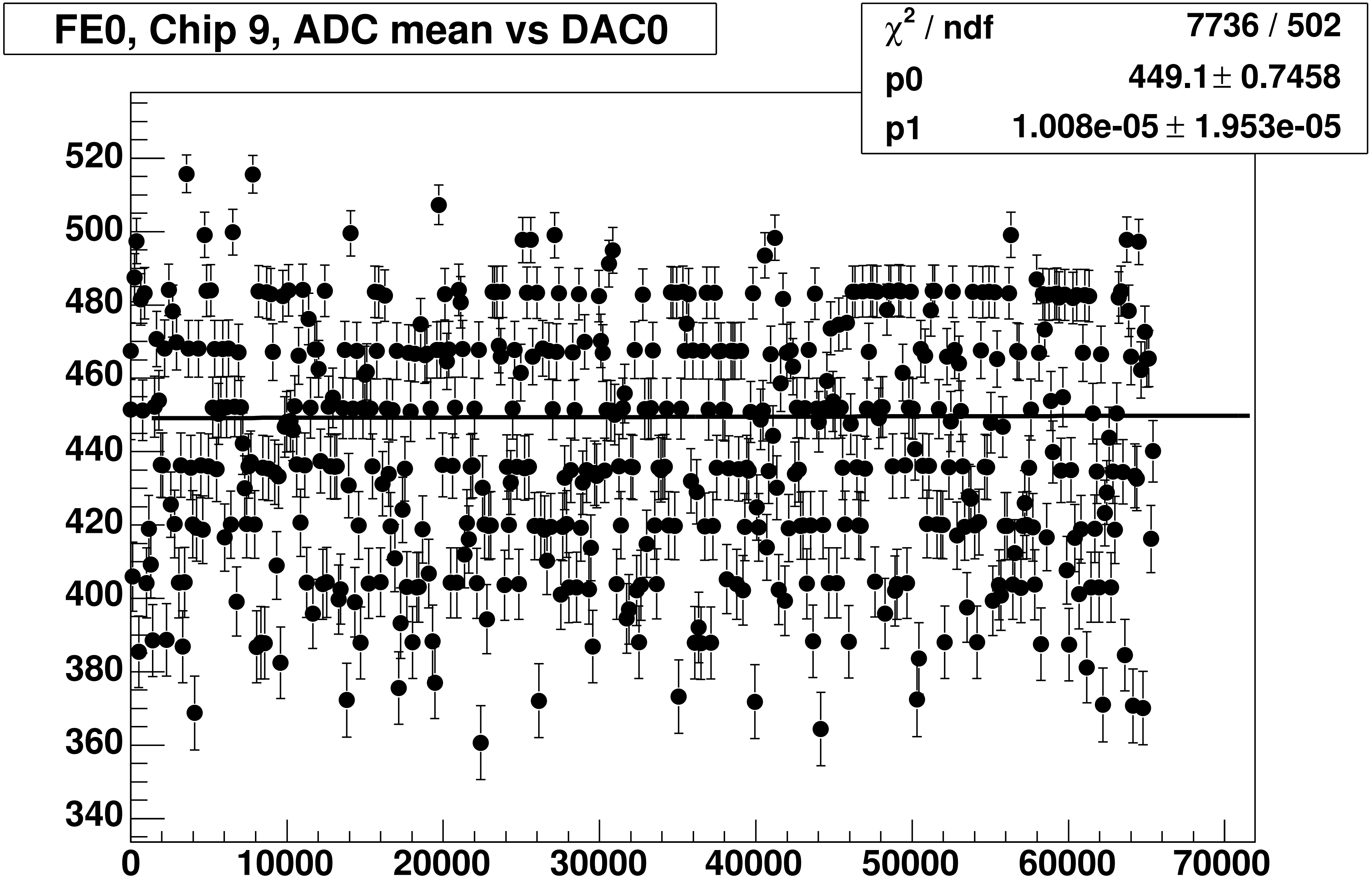


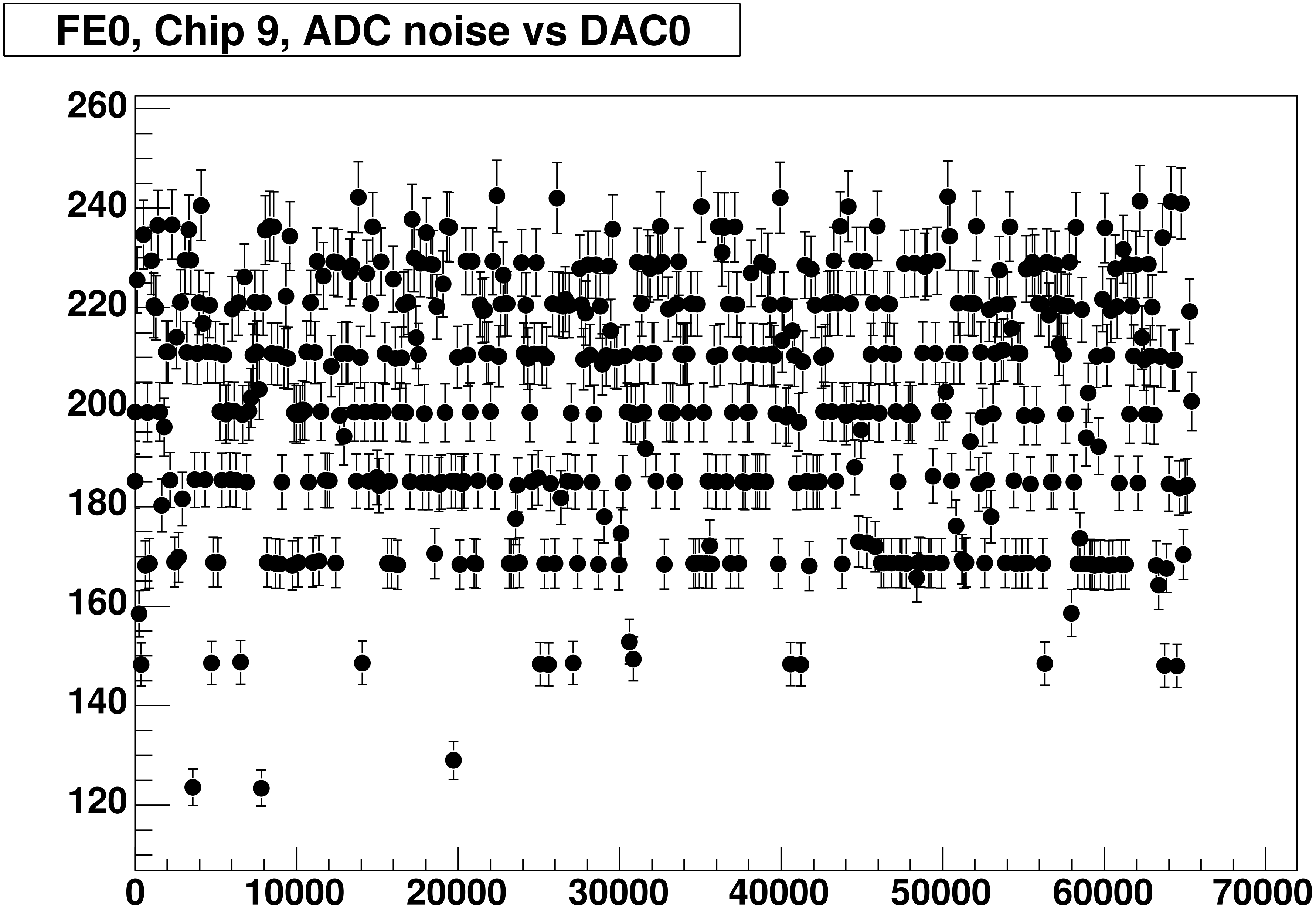
FE0, Chip 8, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 8, ADC mean vs DAC1
χ^2 / ndf 6.588e+06 / 502
p0 39.05 ± 0.01355
p1 0.4497 ± 3.818e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

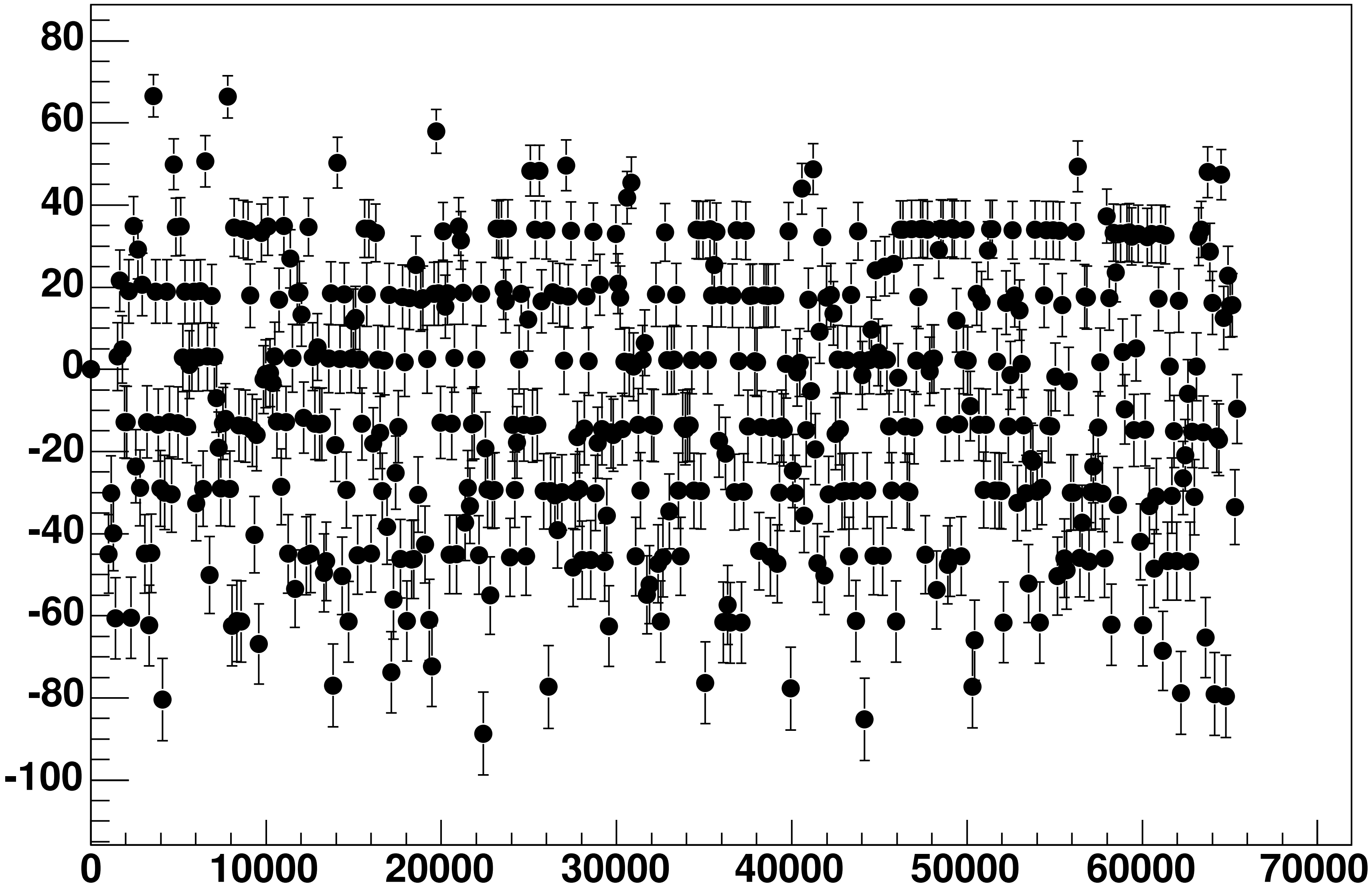

FE0, Chip 8, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
0
10000
20000
30000
40000
50000
60000
70000

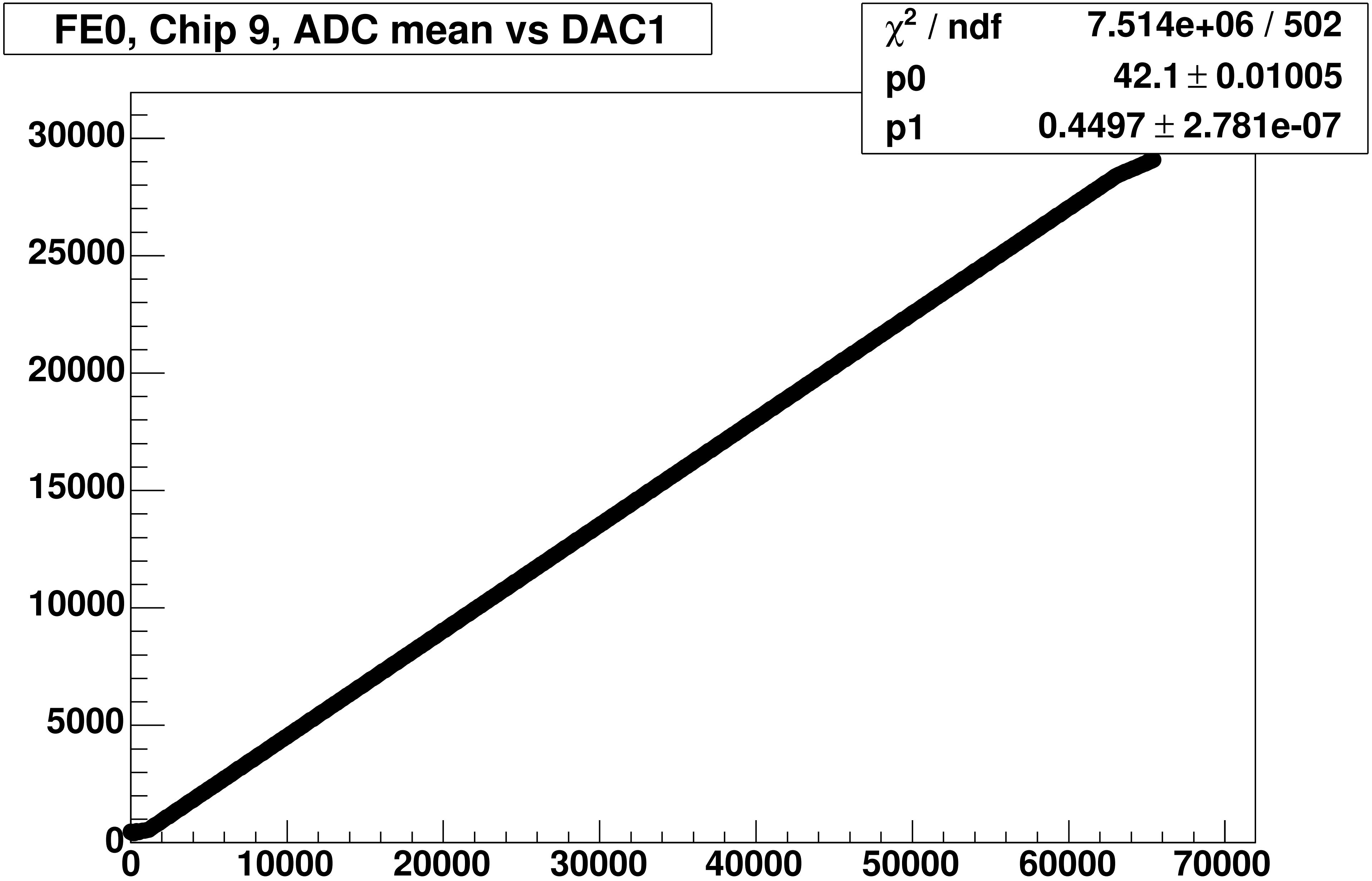

FE0, Chip 8, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
-300
-350
-400
0
10000
20000
30000
40000
50000
60000
70000

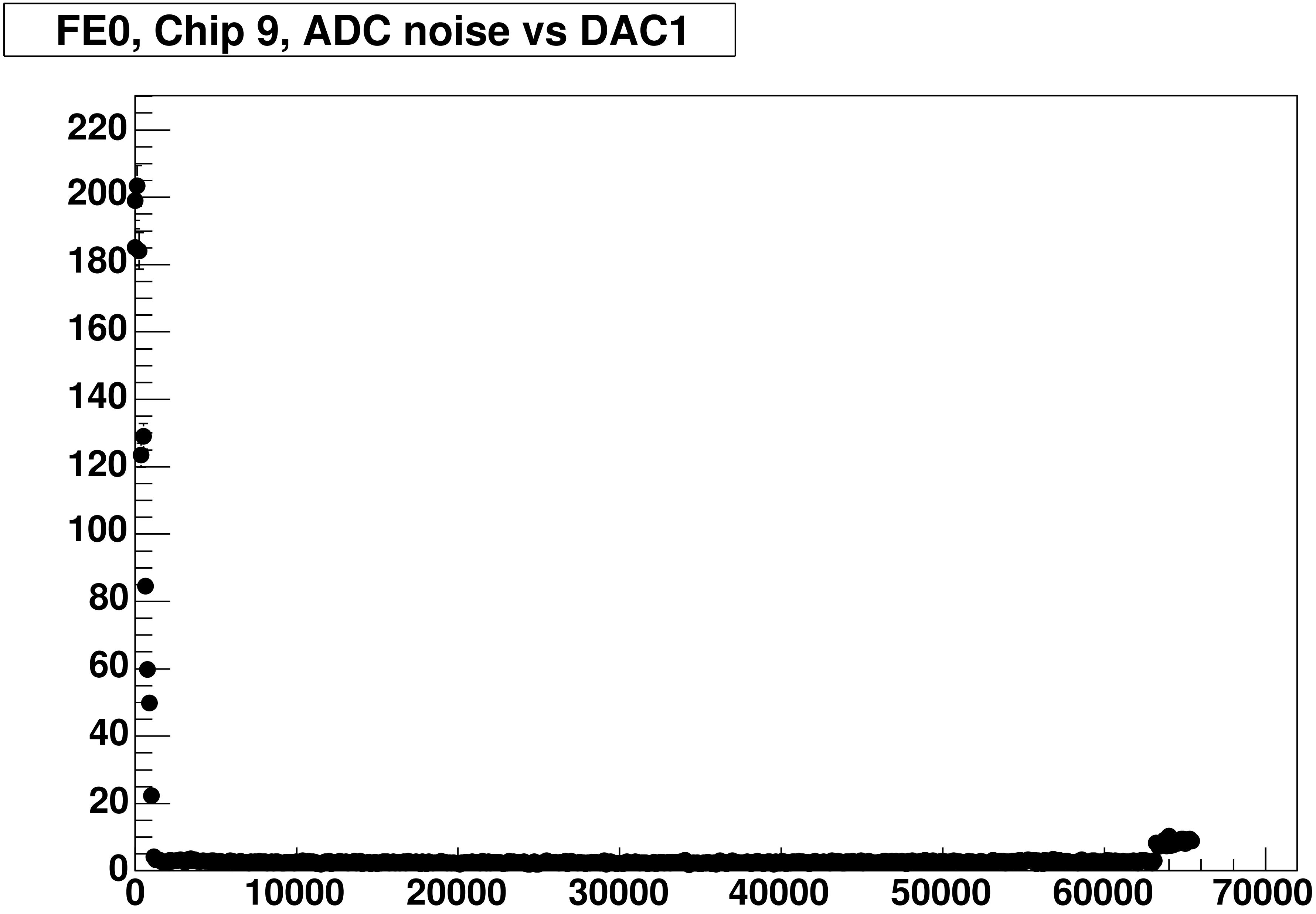

FE0, Chip 9, ADC mean vs DAC0
χ^2 / ndf 7736 / 502
p0 449.1 ± 0.7458
p1 1.008e-05 ± 1.953e-05
340
360
380
400
420
440
460
480
500
520
0
10000
20000
30000
40000
50000
60000
70000

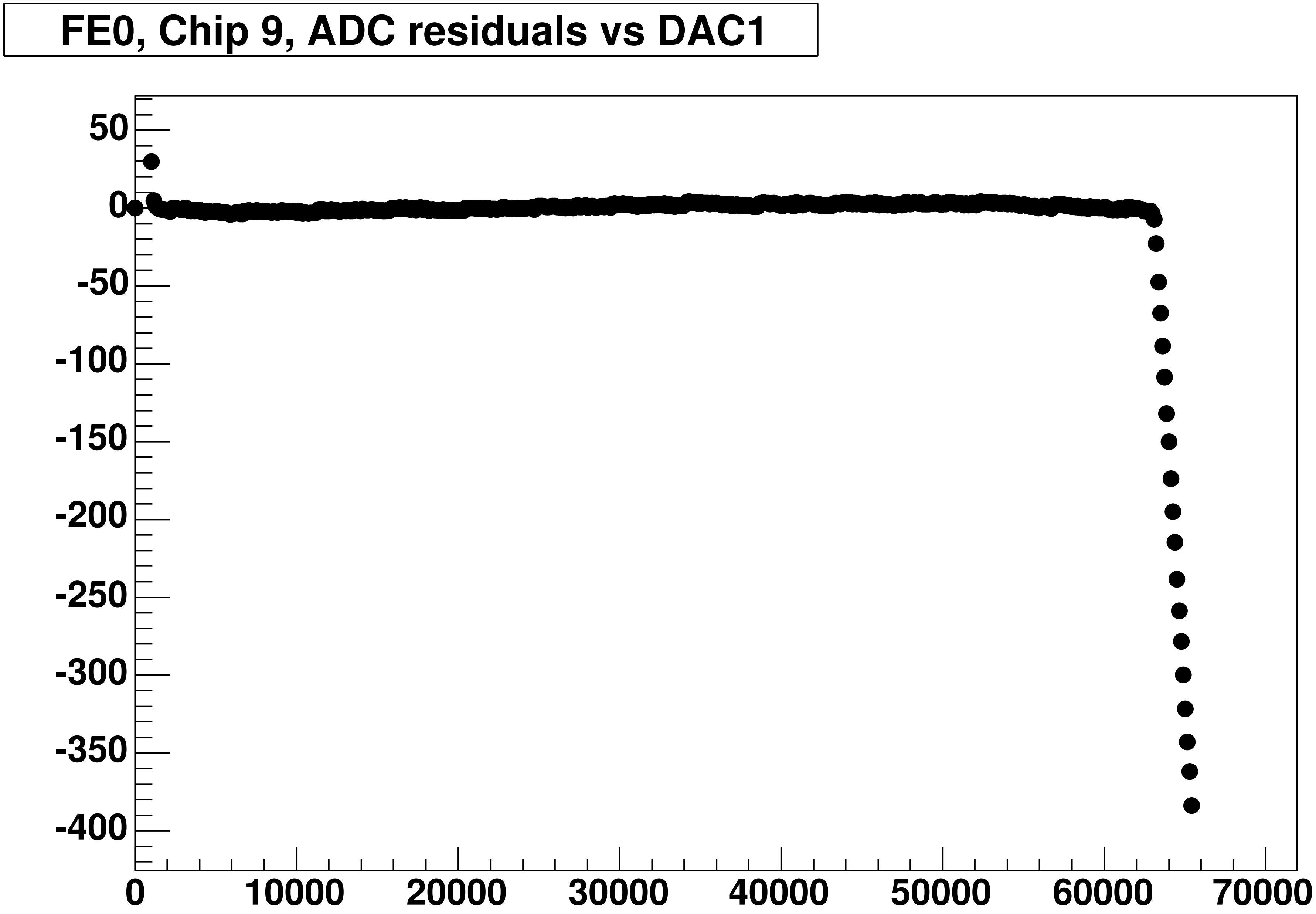

FE0, Chip 9, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

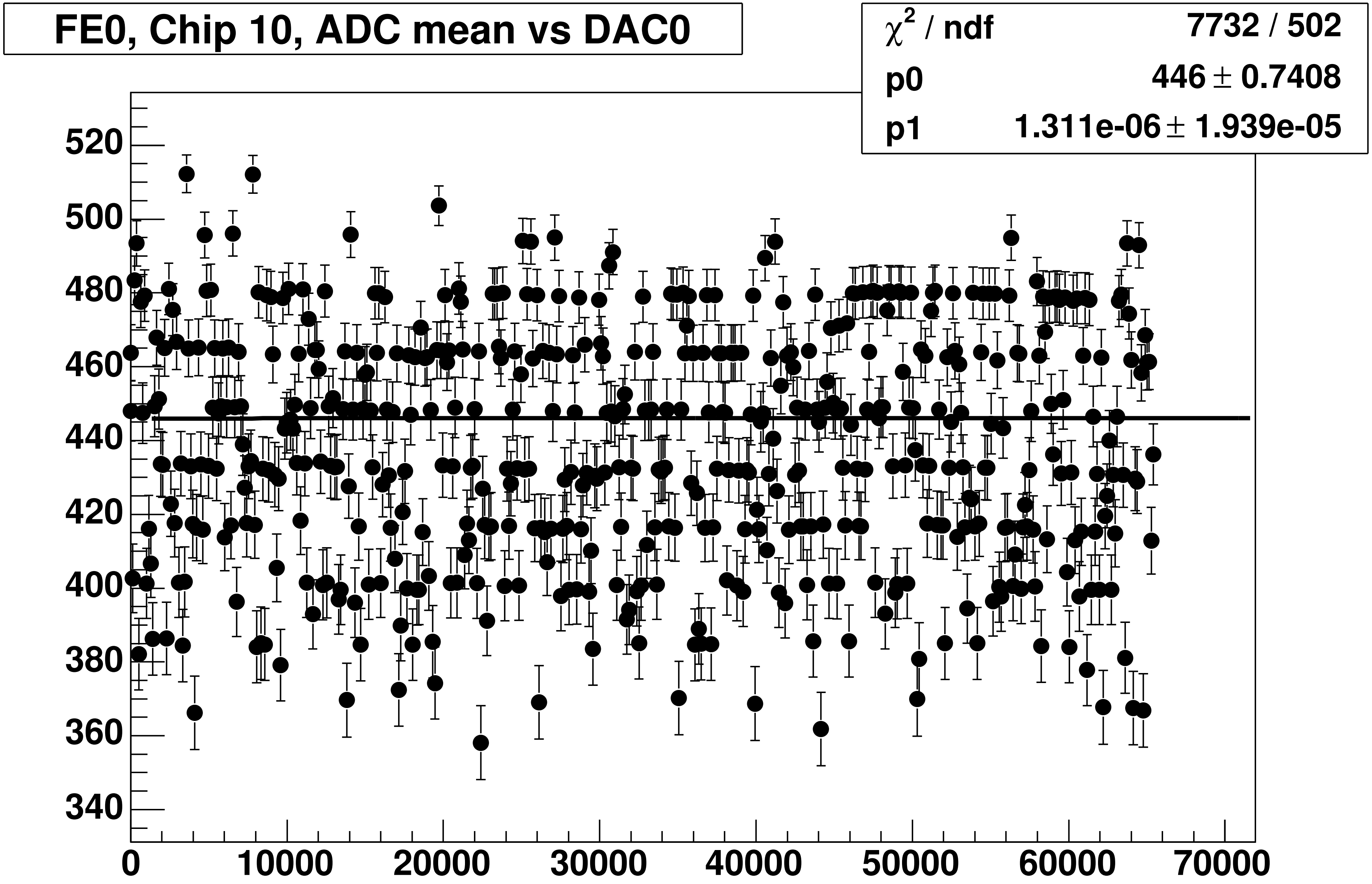
FE0, Chip 9, ADC residuals vs DAC0



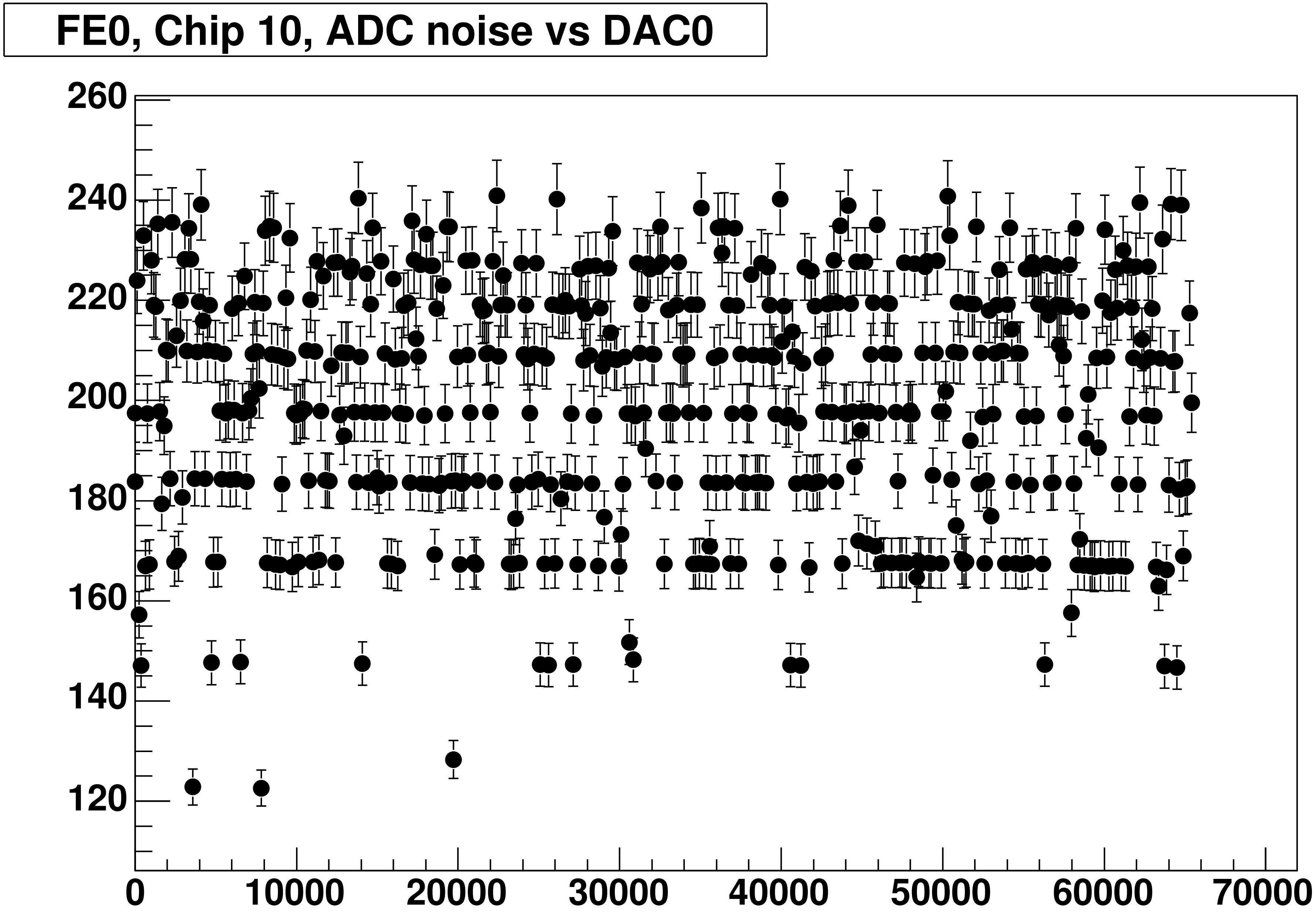

FE0, Chip 9, ADC mean vs DAC1
χ2 / ndf 7.514e+06 / 502
p0 42.1 ± 0.01005
p1 0.4497 ± 2.781e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000

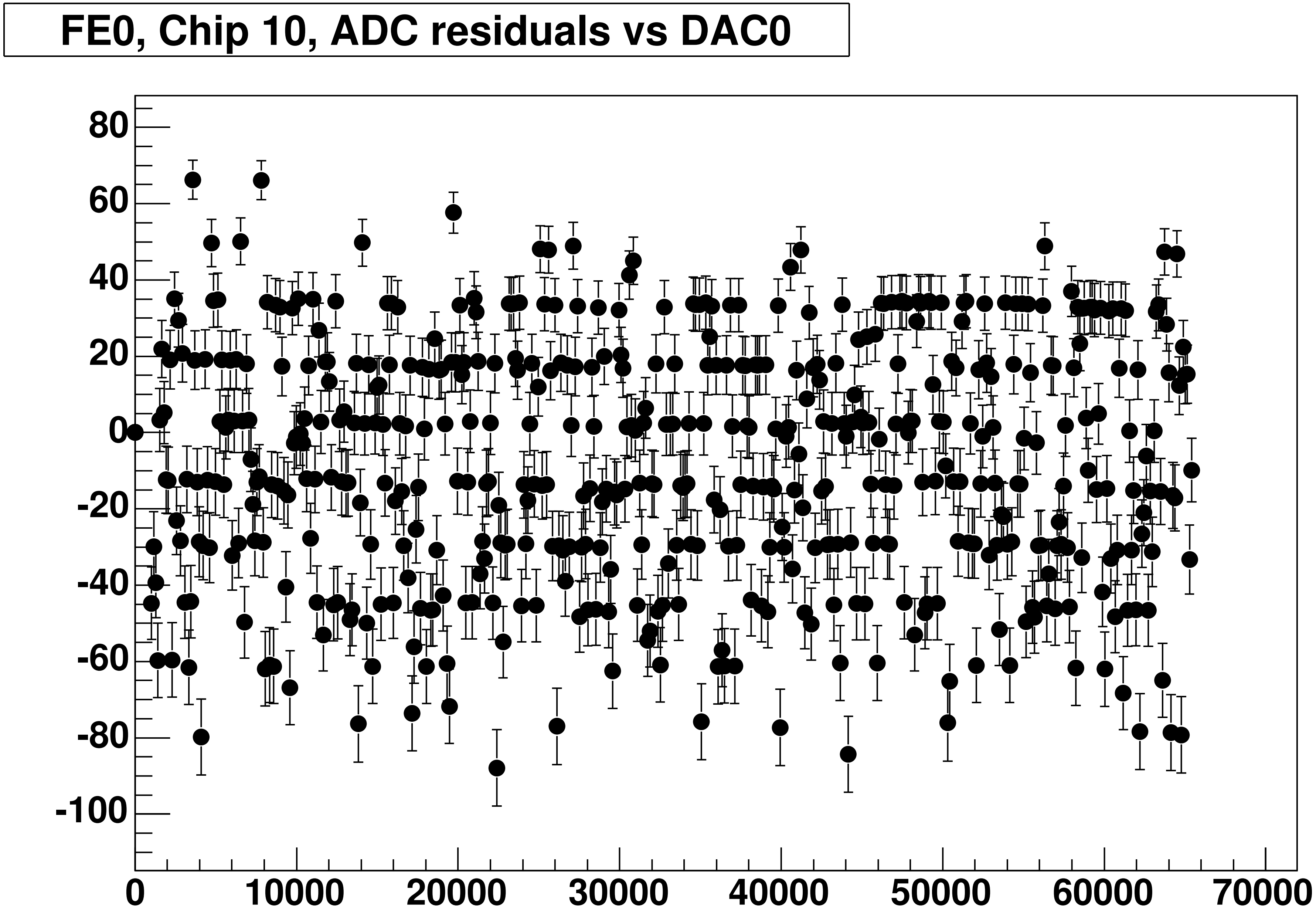

FE0, Chip 9, ADC noise vs DAC1
220
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

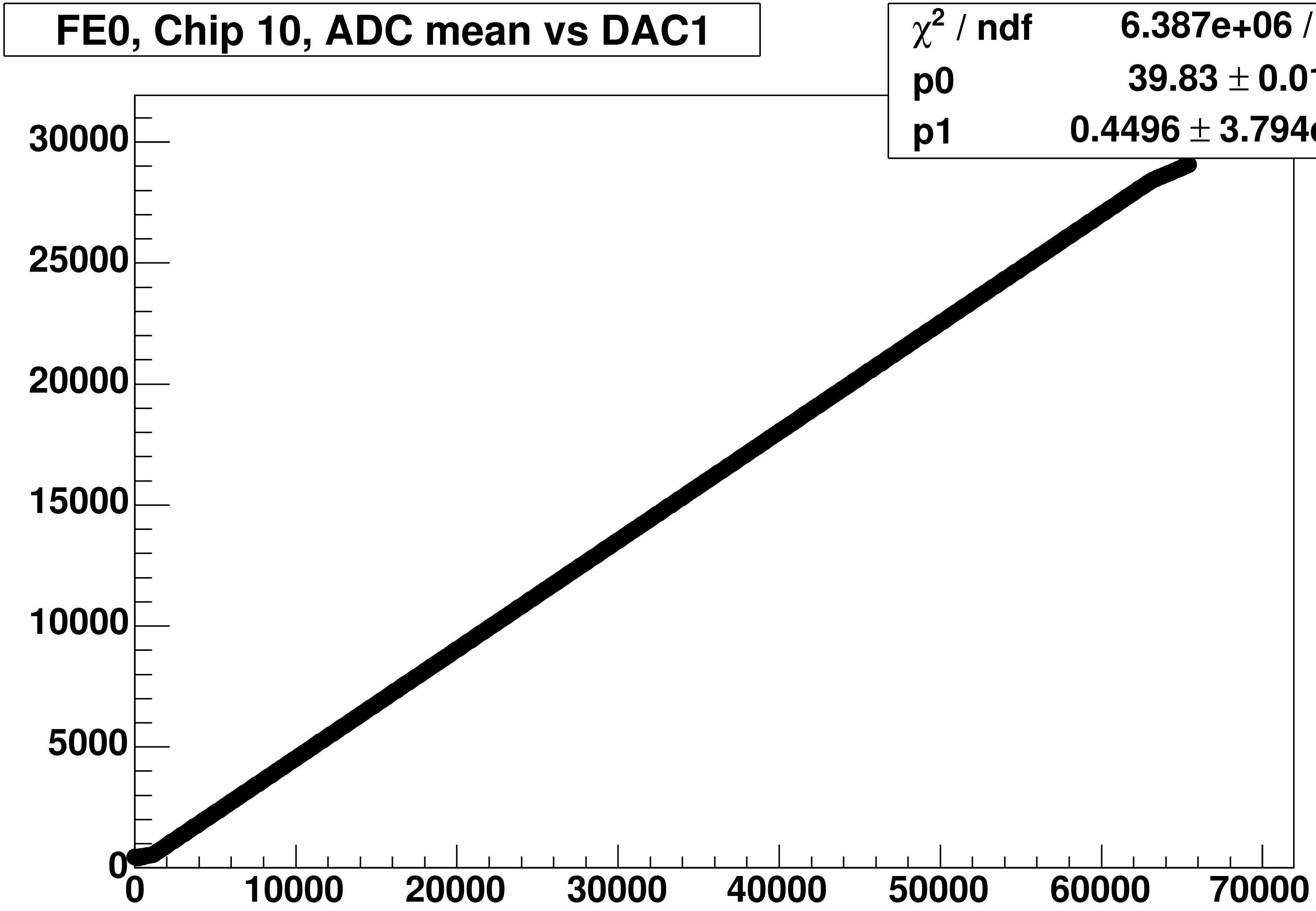

FE0, Chip 9, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
-300
-350
-400
0
10000
20000
30000
40000
50000
60000
70000

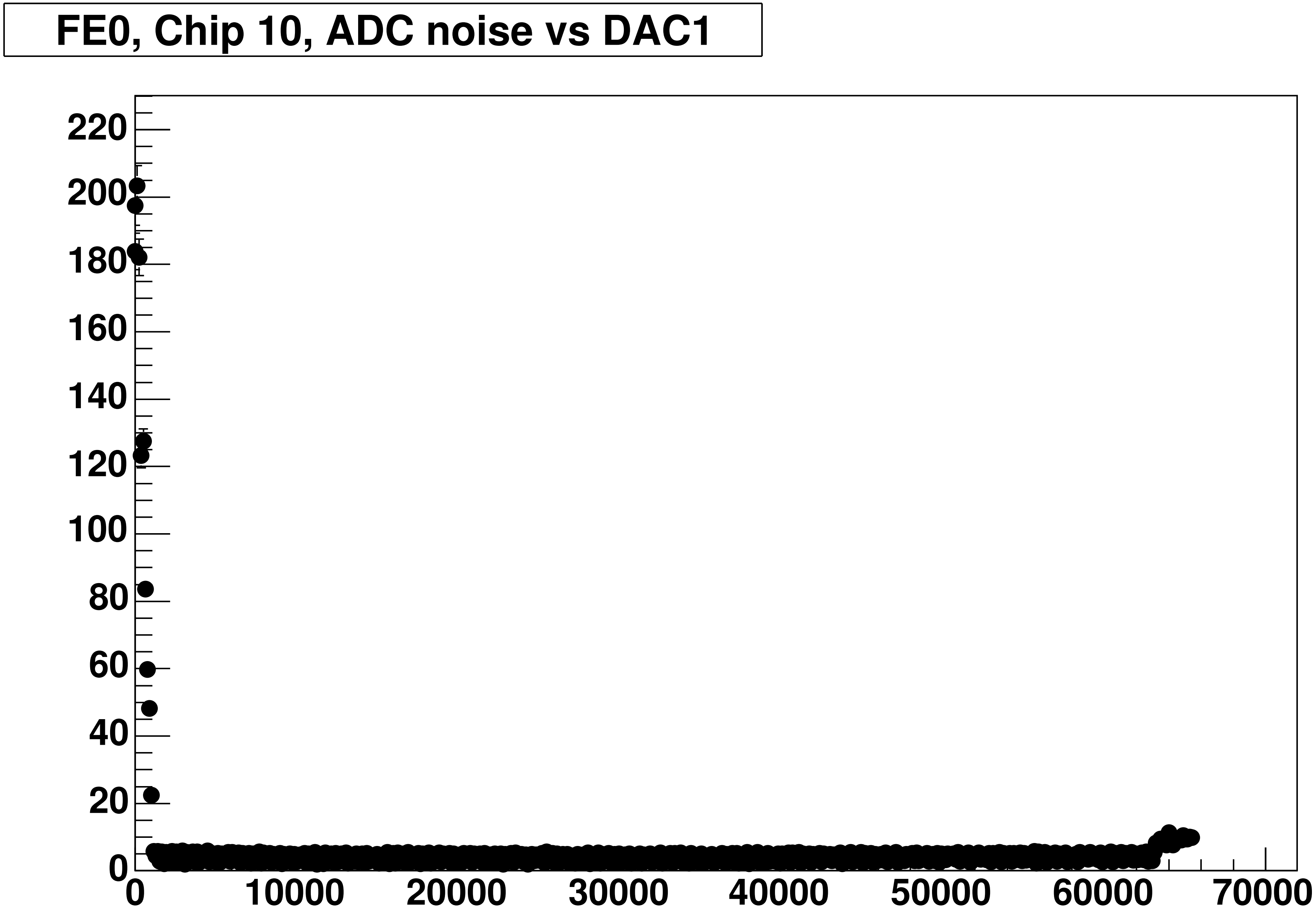


FE0, Chip 10, ADC mean vs DAC0
χ² / ndf 7732 / 502
p0 446 ± 0.7408
p1 1.311e-06 ± 1.939e-05
520
500
480
460
440
420
400
380
360
340
0
10000
20000
30000
40000
50000
60000
70000

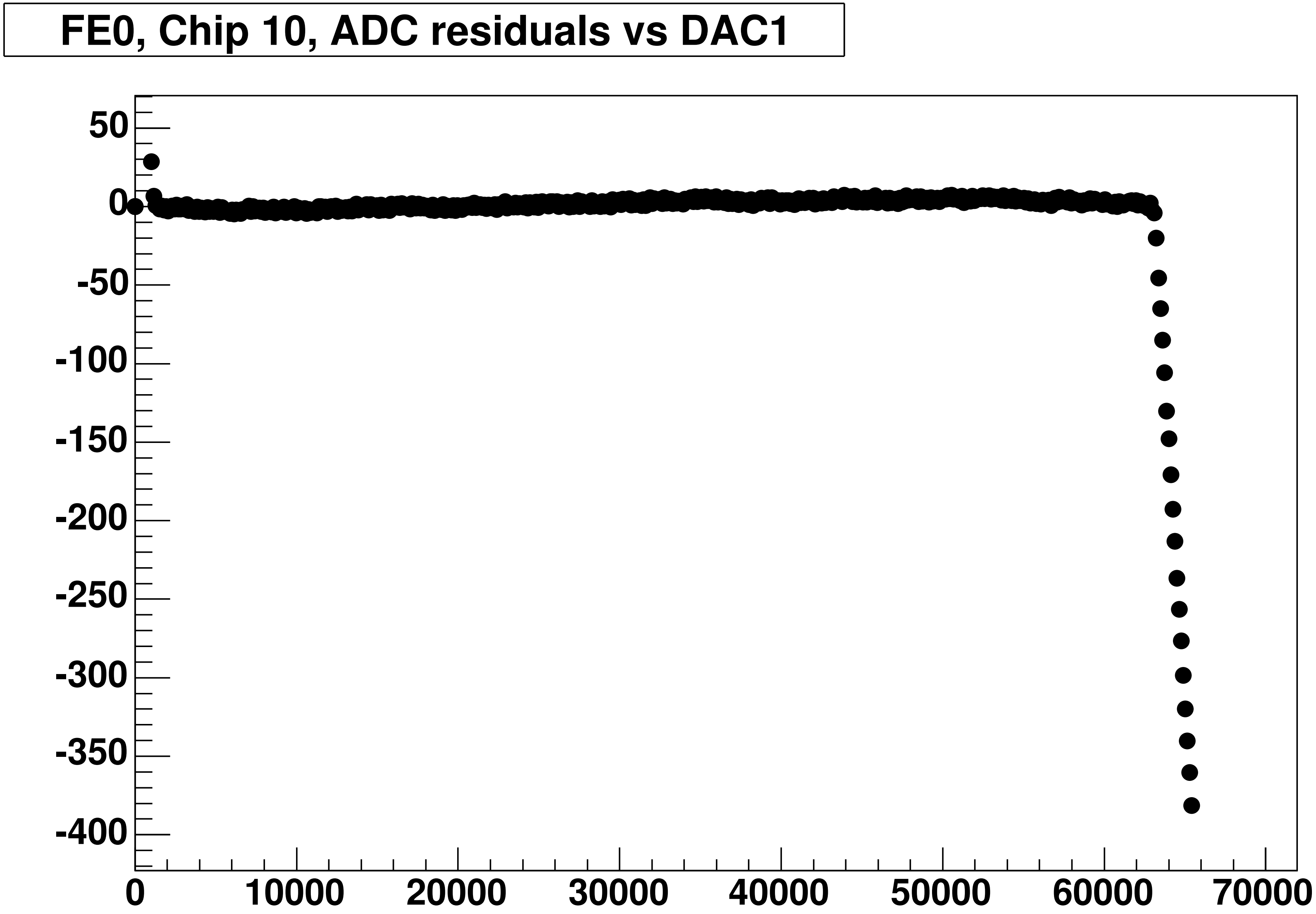

FE0, Chip 10, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 10, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

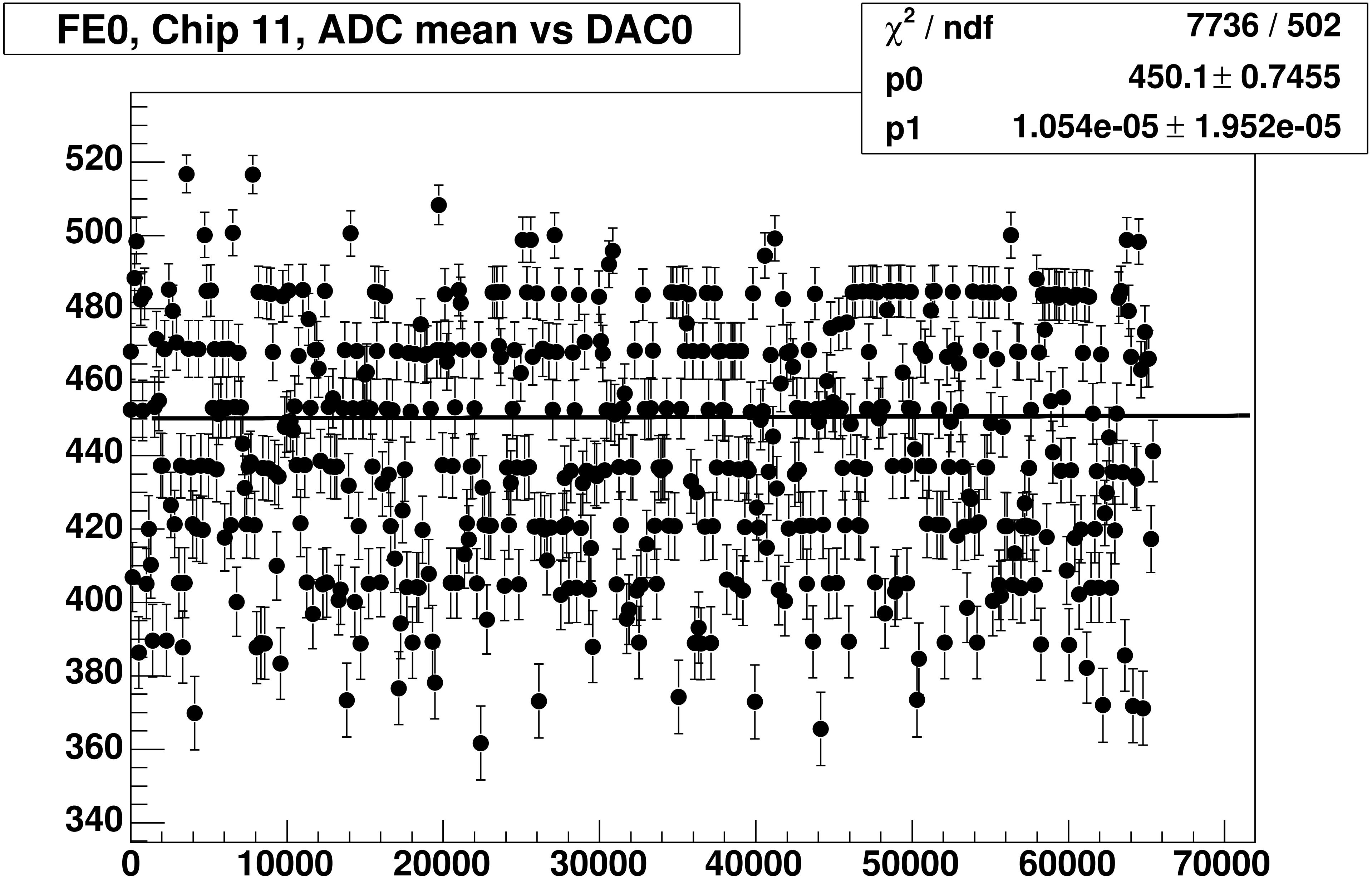

FE0, Chip 10, ADC mean vs DAC1
χ^2 / ndf 6.387e+06 / 502
p0 39.83 ± 0.01351
p1 0.4496 ± 3.794e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

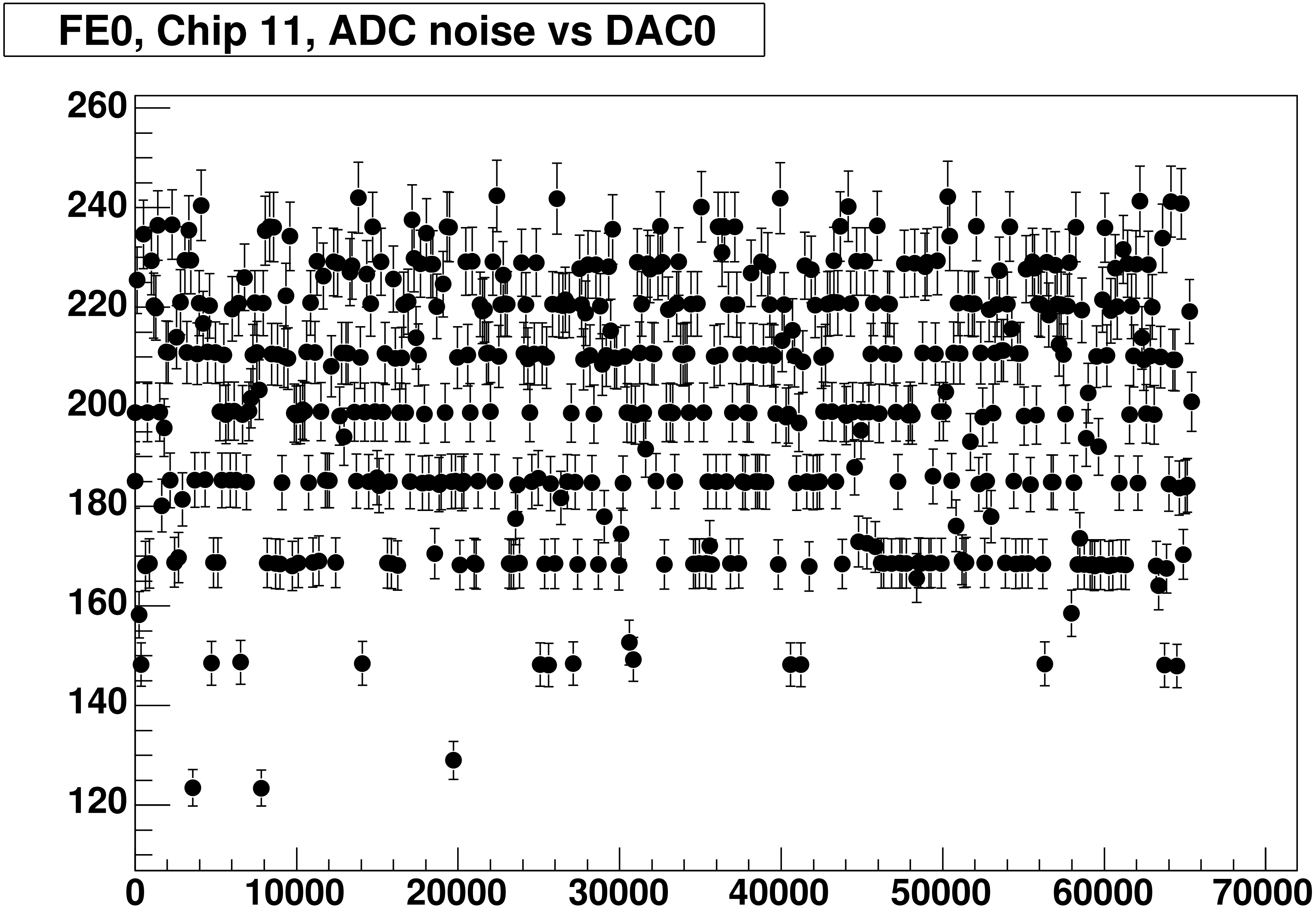


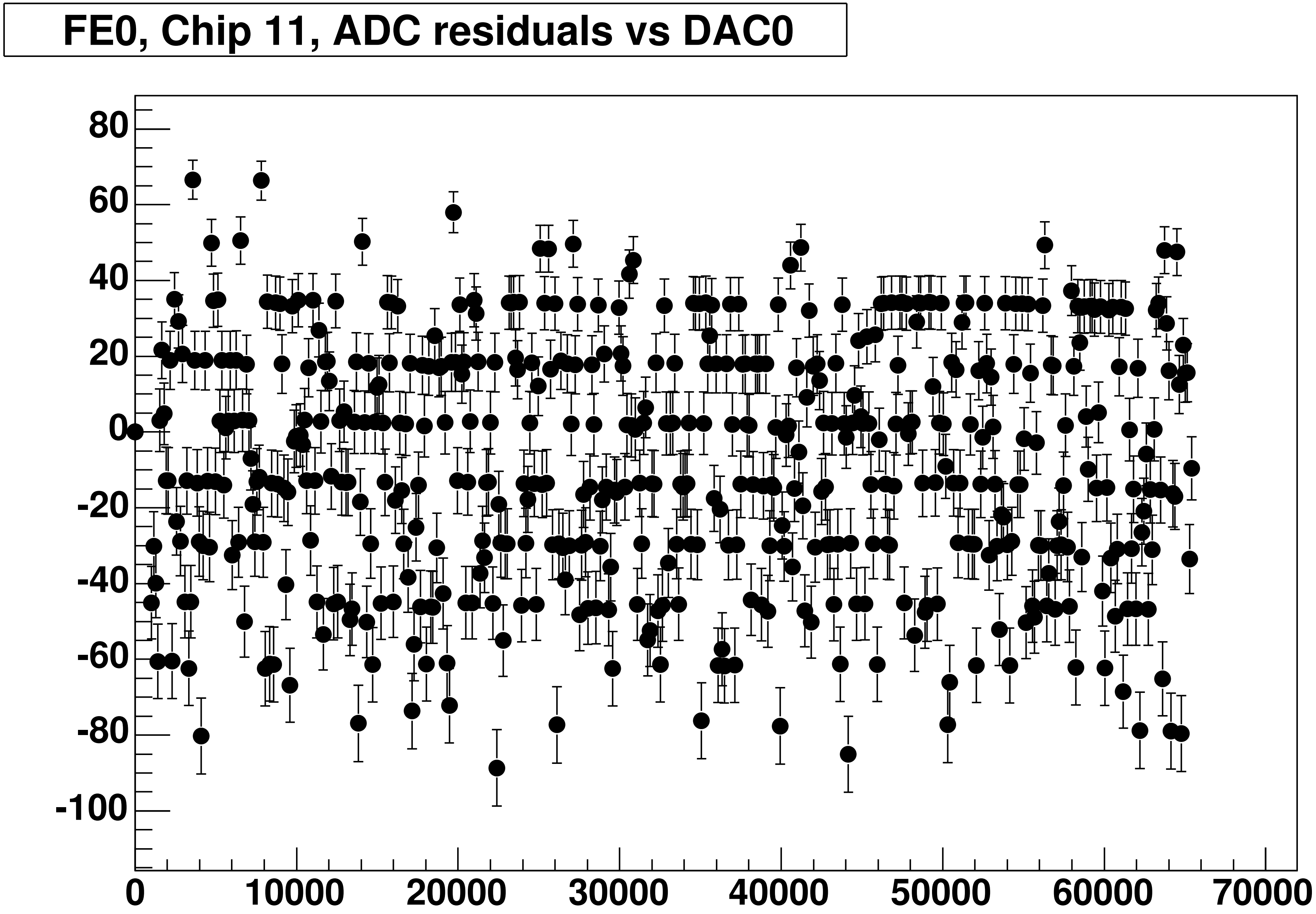
FE0, Chip 10, ADC noise vs DAC1
220
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

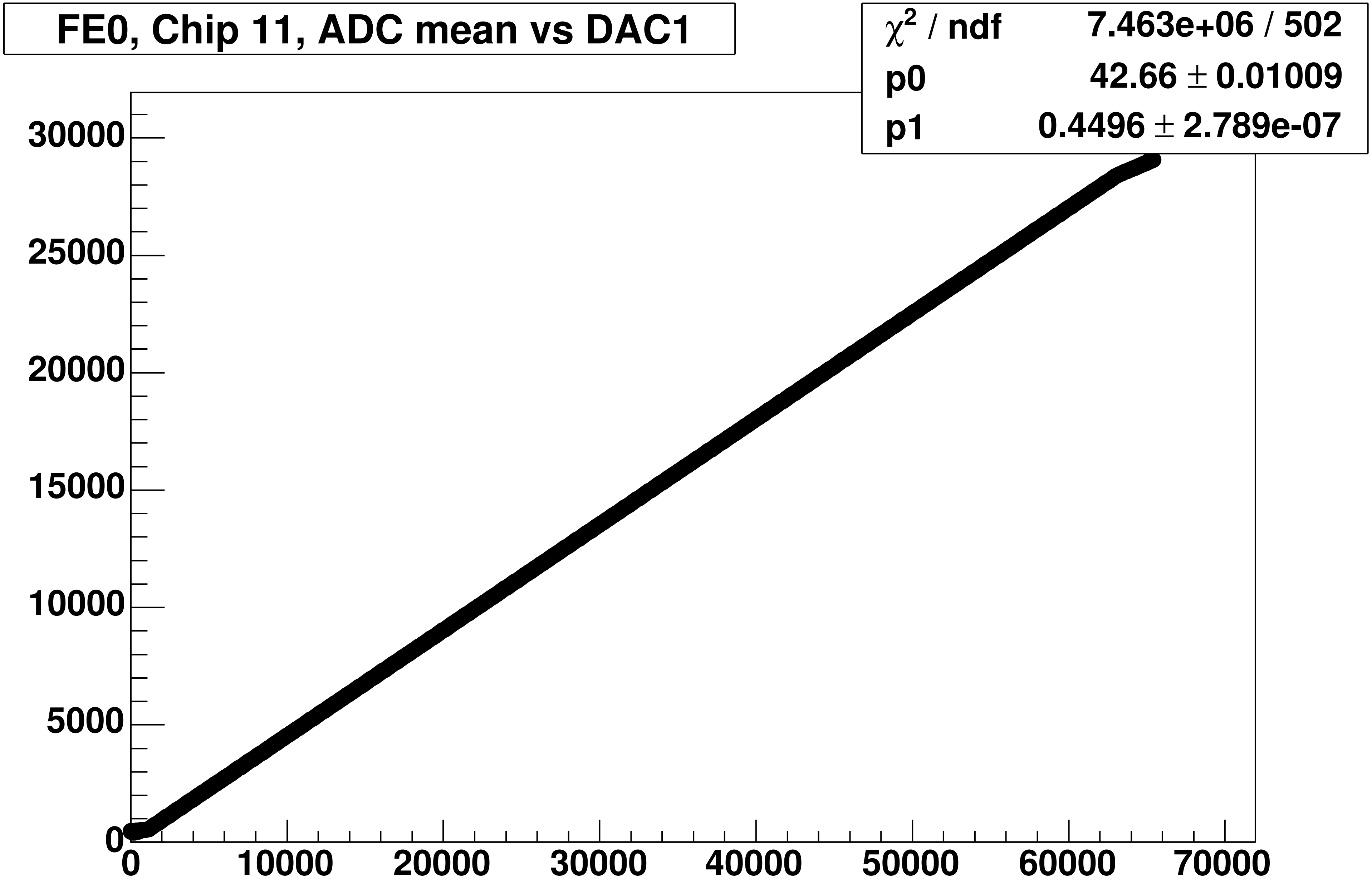


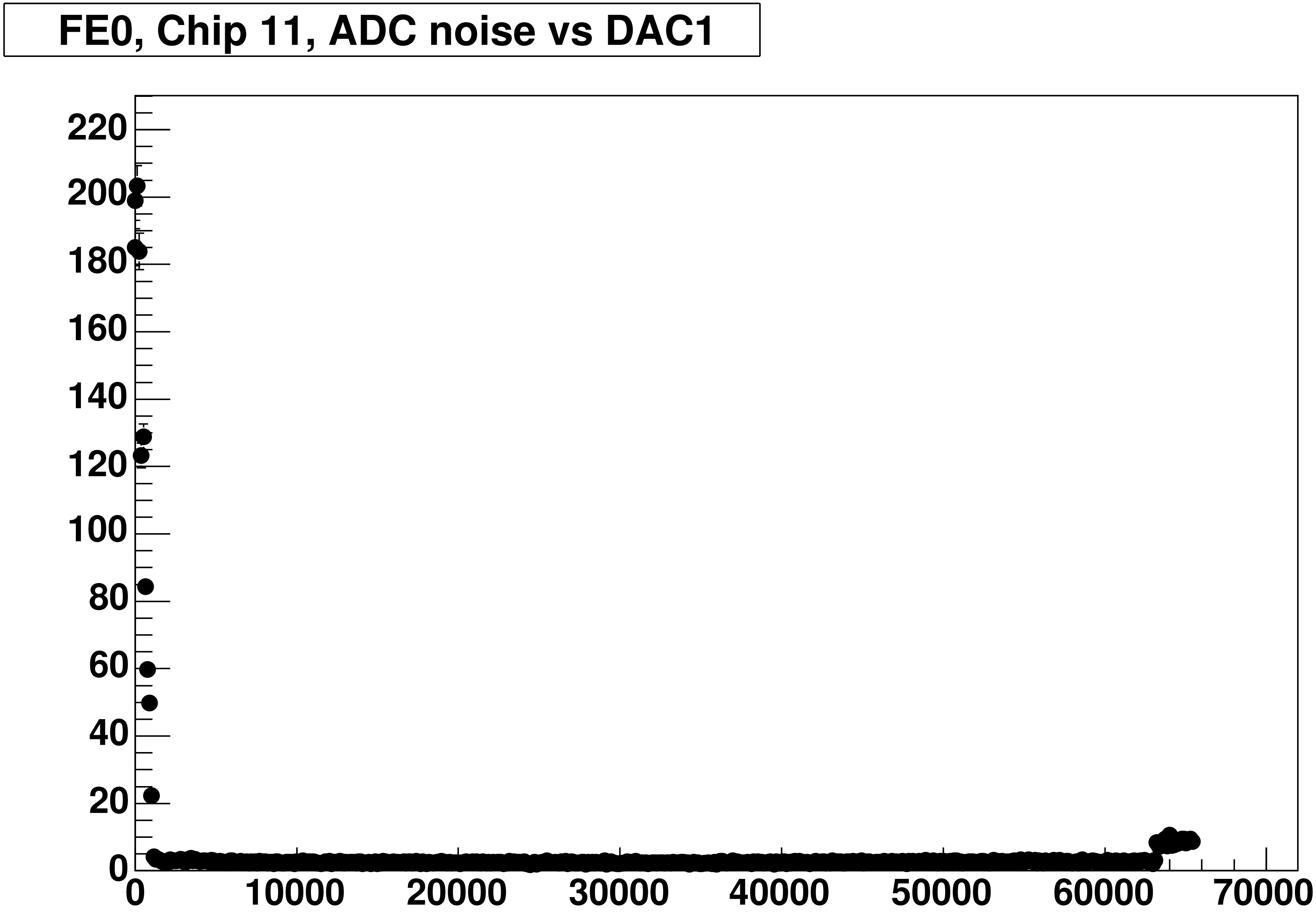
FE0, Chip 10, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
-300
-350
-400
0
10000
20000
30000
40000
50000
60000
70000

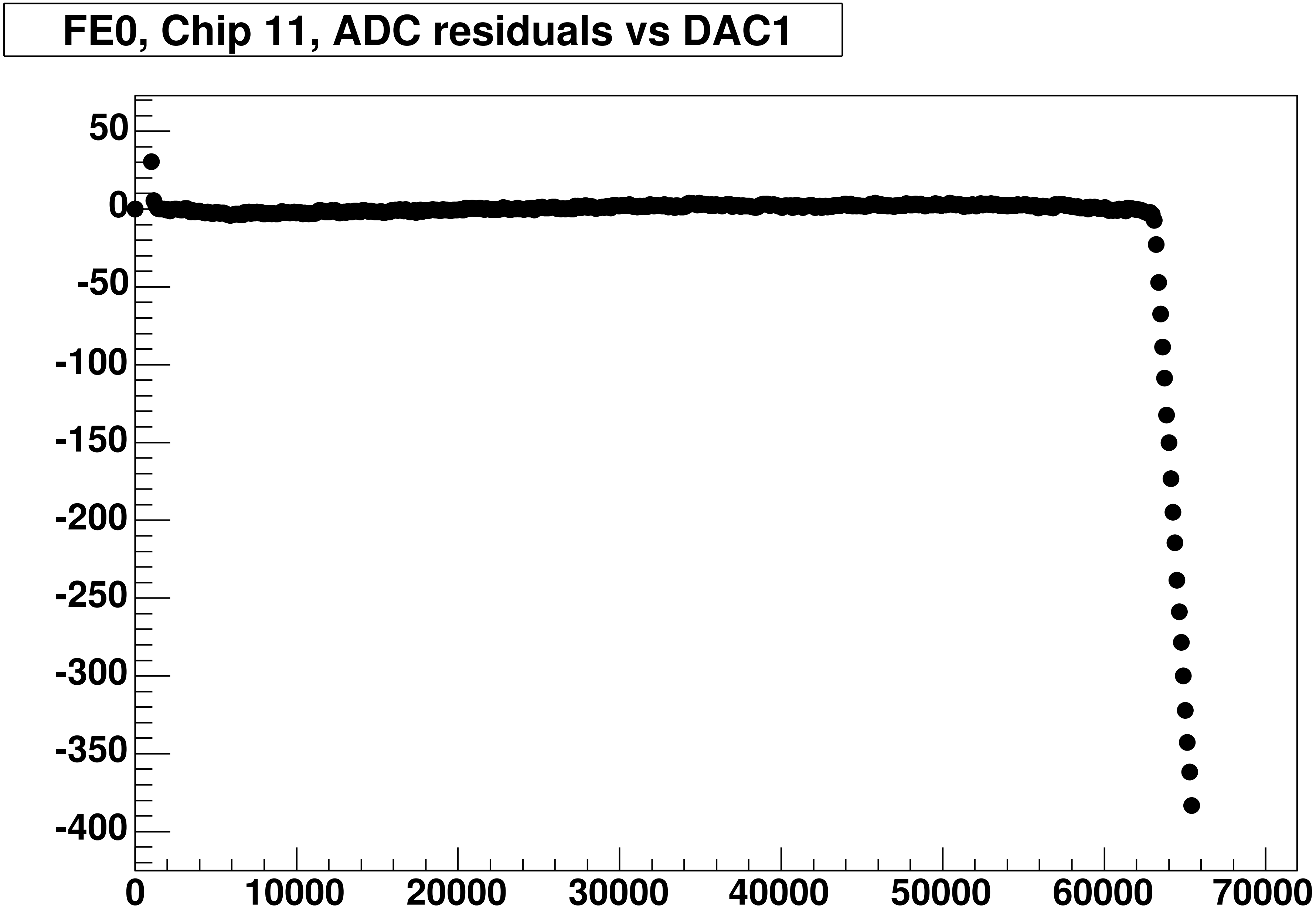

FE0, Chip 11, ADC mean vs DAC0
χ^2 / ndf 7736 / 502
p0 450.1 ± 0.7455
p1 1.054e-05 ± 1.952e-05
520
500
480
460
440
420
400
380
360
340
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 11, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

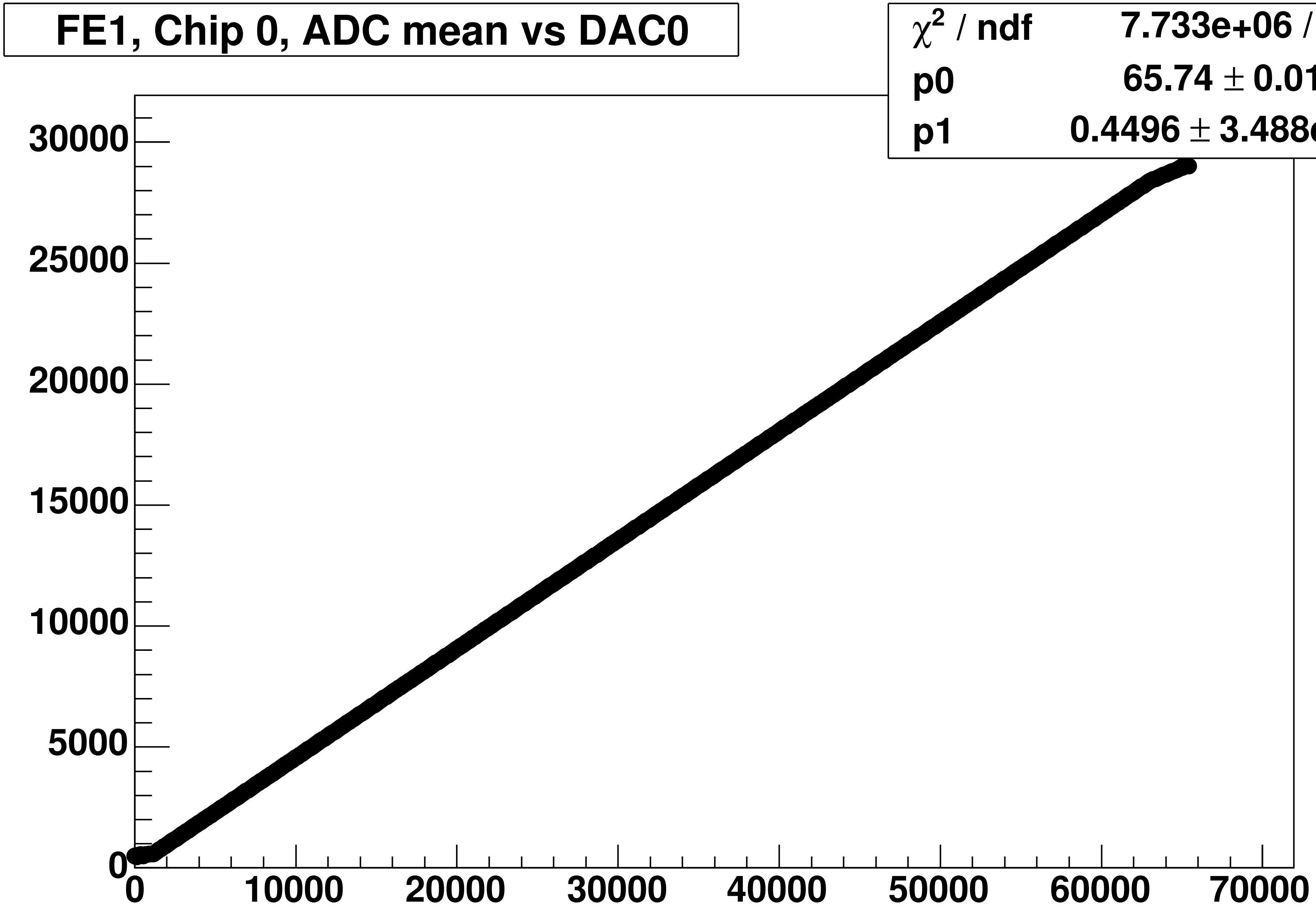

FE0, Chip 11, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000


FE0, Chip 11, ADC mean vs DAC1
χ2 / ndf 7.463e+06 / 502
p0 42.66 ± 0.01009
p1 0.4496 ± 2.789e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

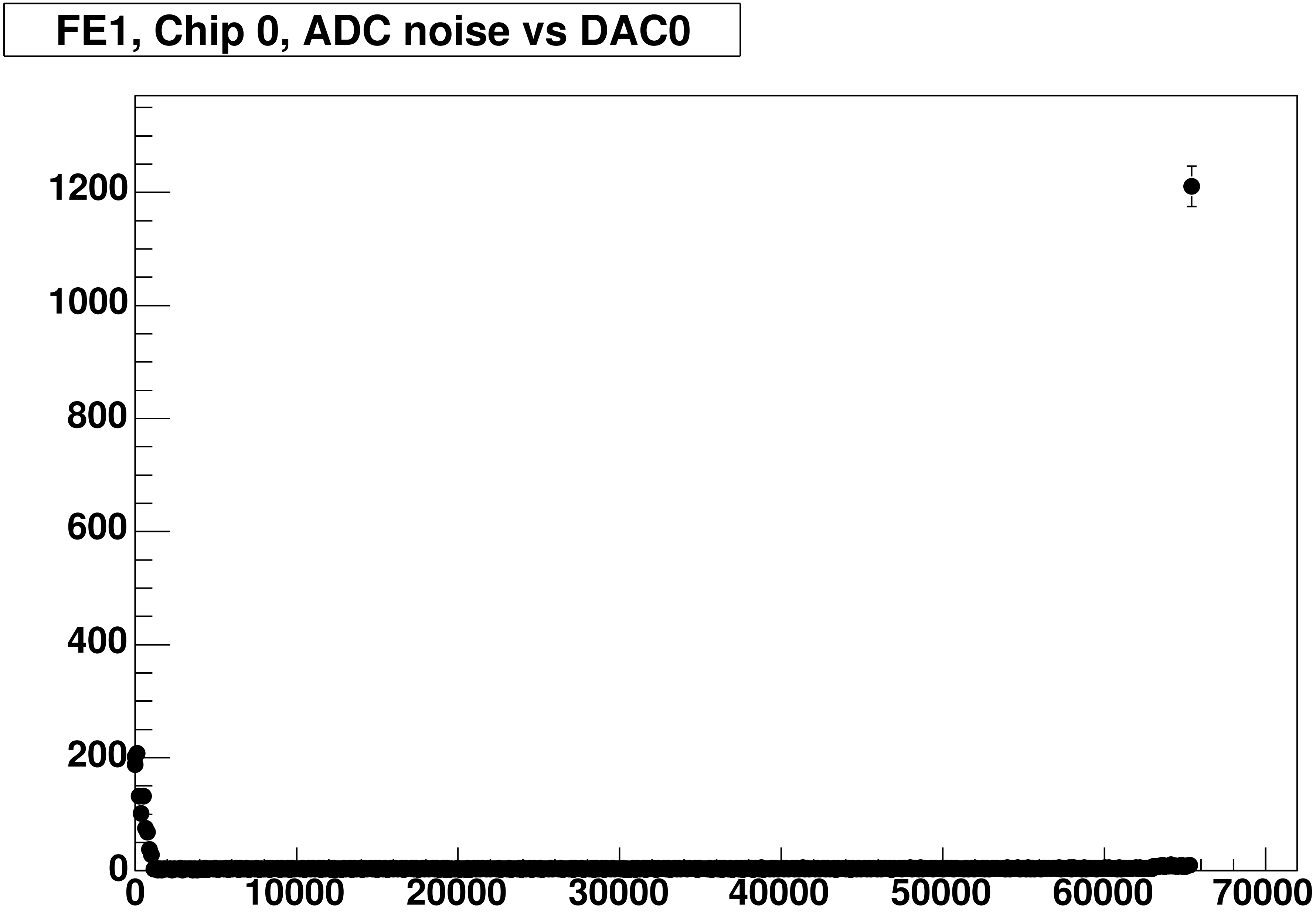

FE0, Chip 11, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
0
10000
20000
30000
40000
50000
60000
70000



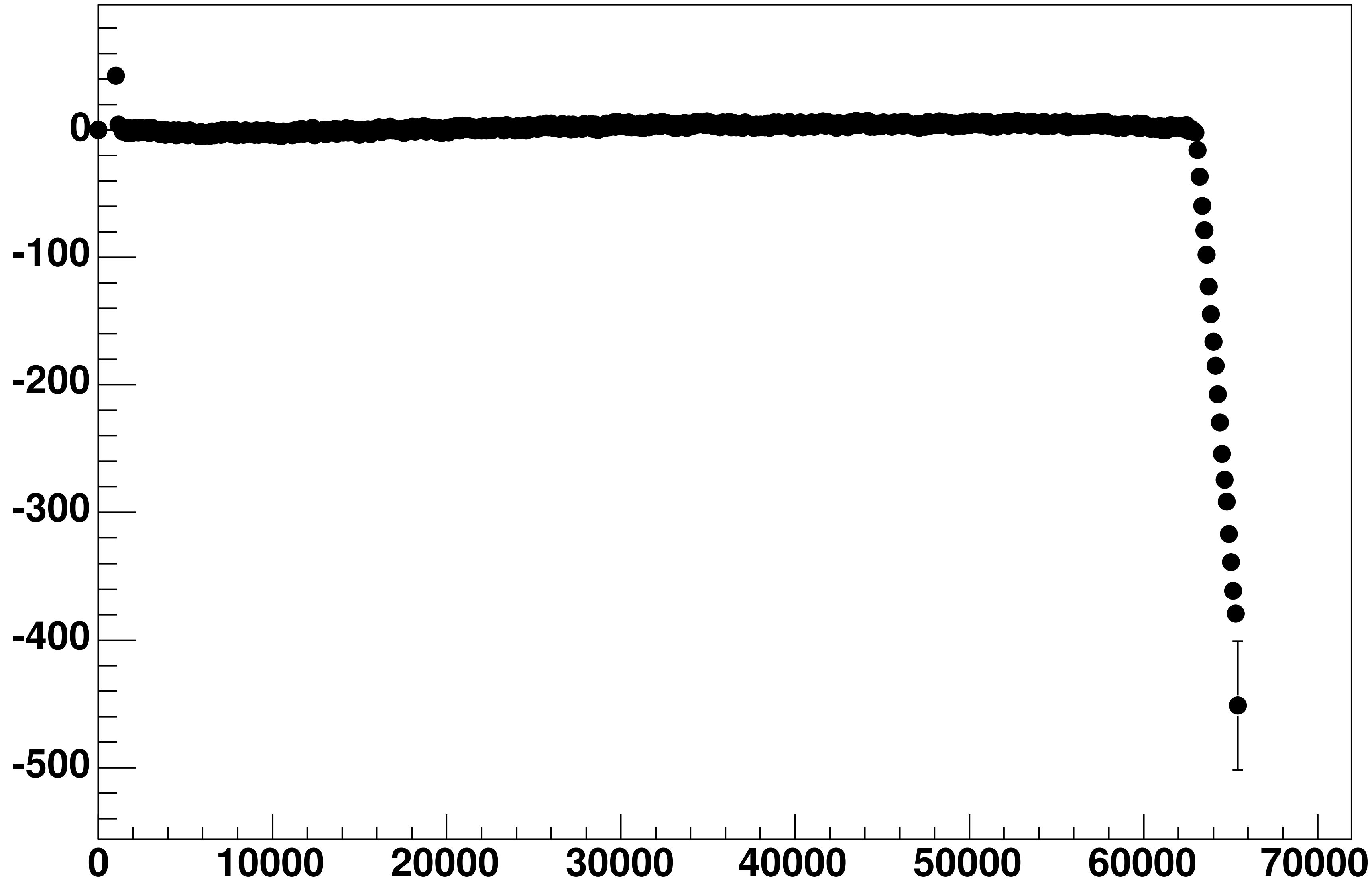
FE0, Chip 11, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
-300
-350
-400
0
10000
20000
30000
40000
50000
60000
70000

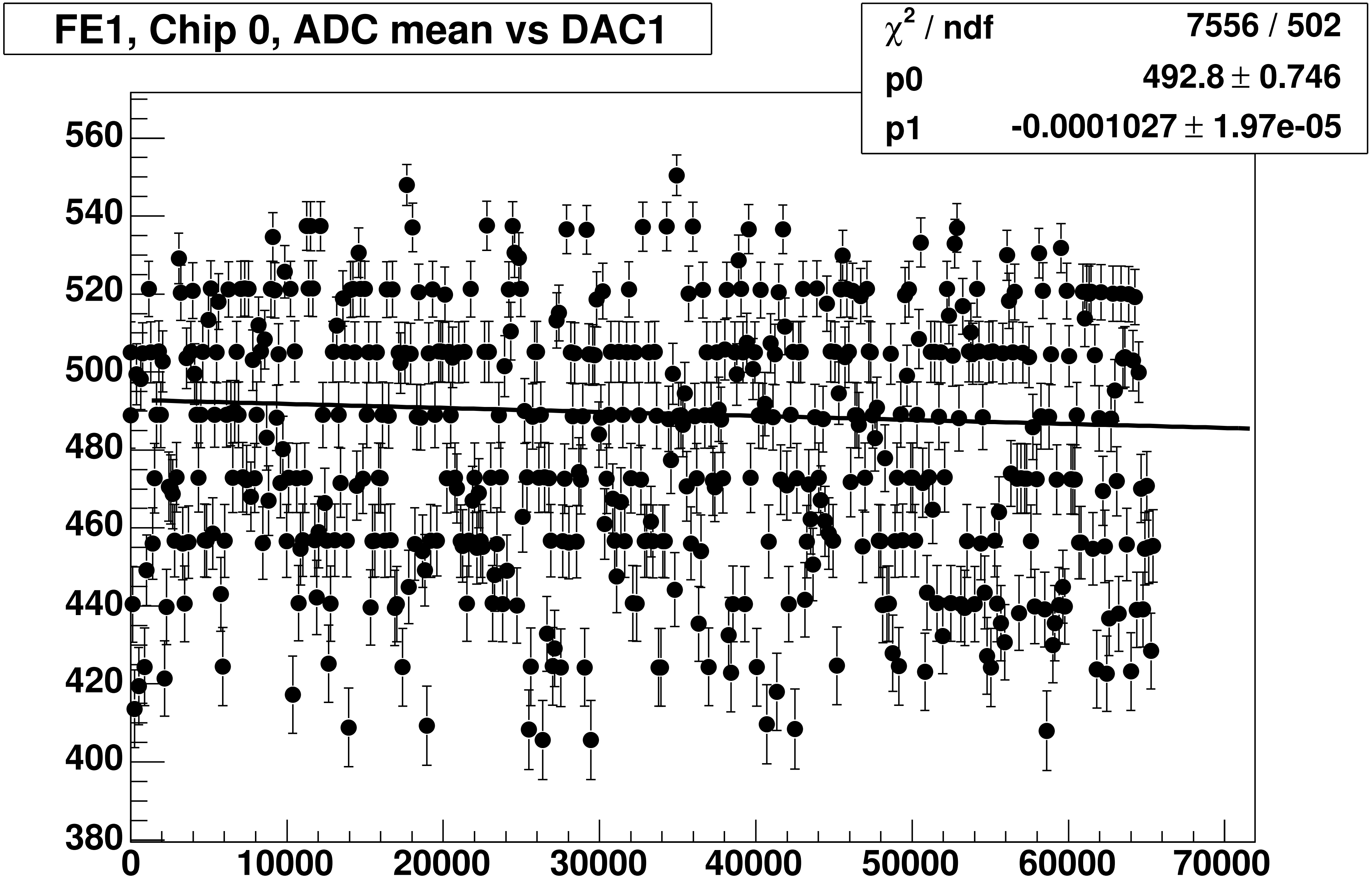


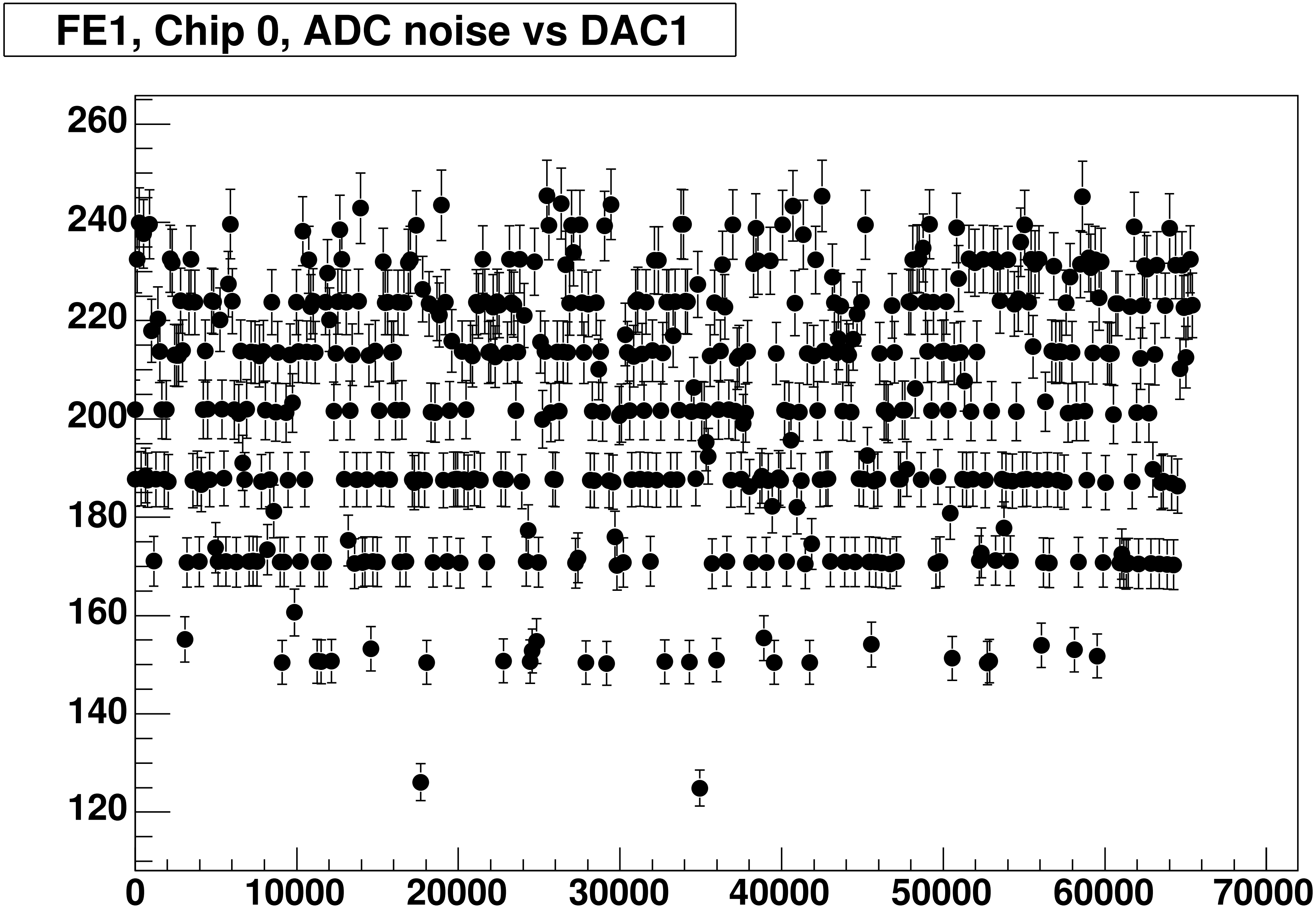
FE1, Chip 0, ADC mean vs DAC0
χ^2 / ndf 7.733e+06 / 502
p0 65.74 ± 0.01155
p1 0.4496 ± 3.488e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000

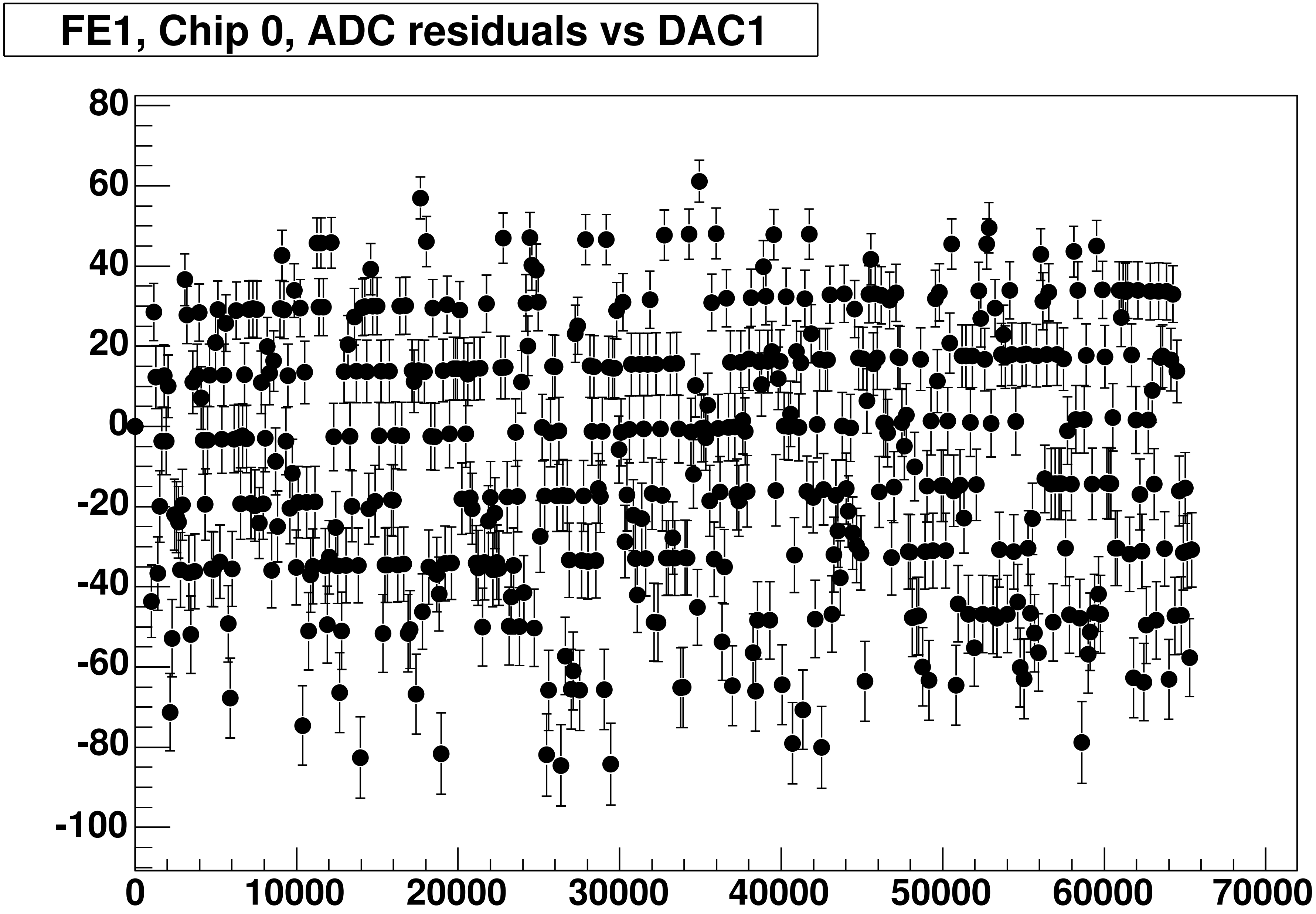

FE1, Chip 0, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

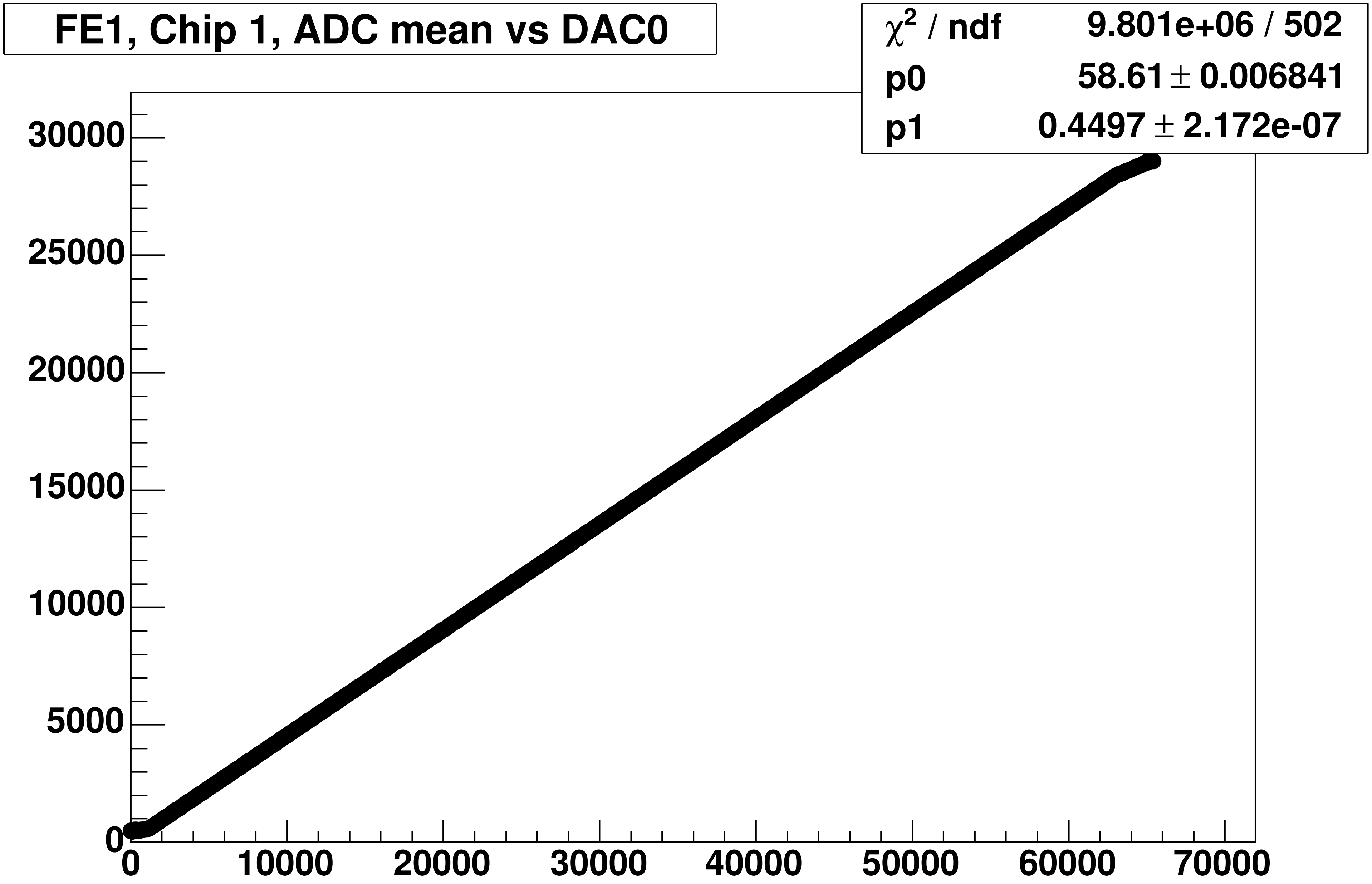
FE1, Chip 0, ADC residuals vs DAC0



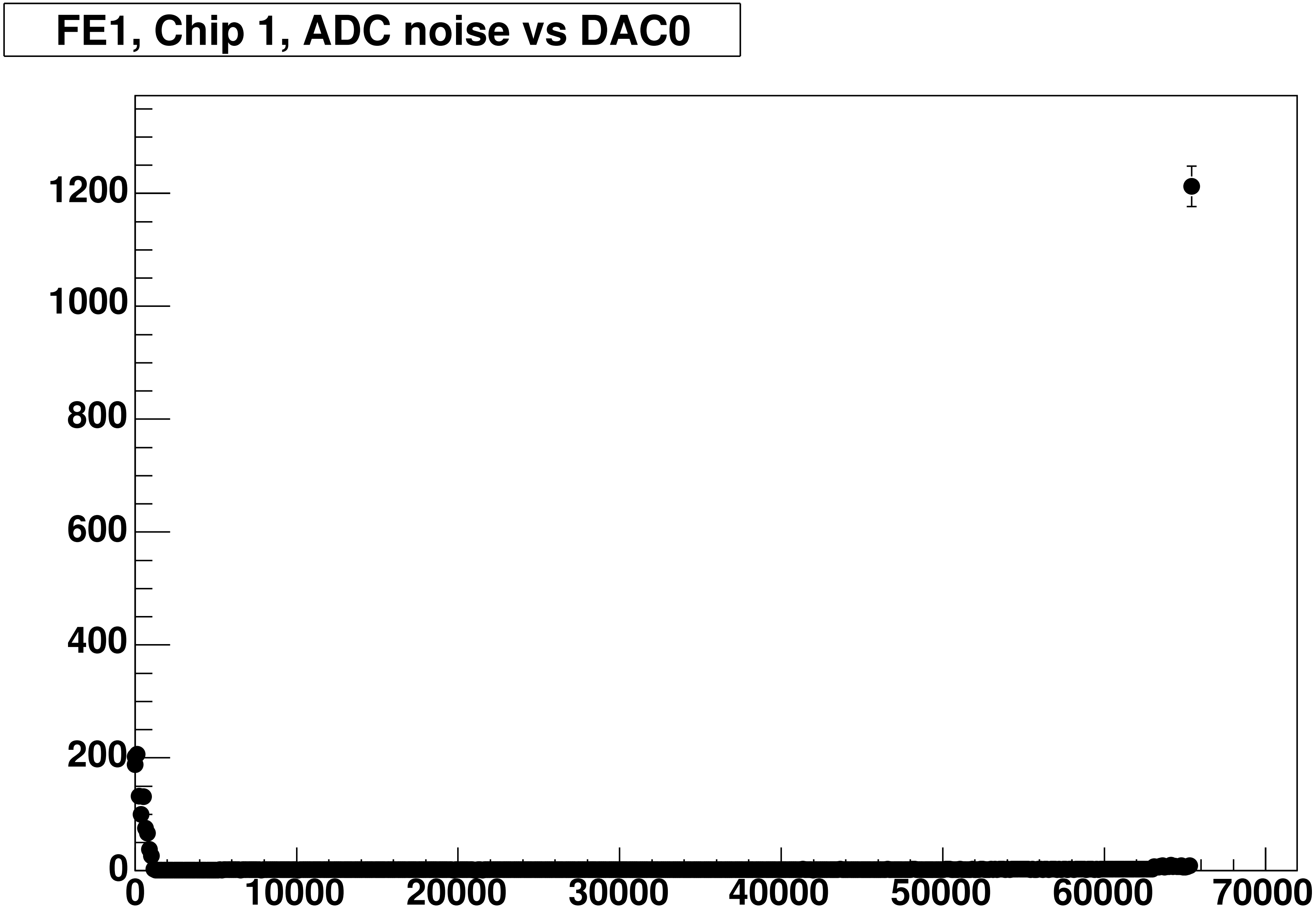

FE1, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7556 / 502
p0 492.8 ± 0.746
p1 -0.0001027 ± 1.97e-05
380
400
420
440
460
480
500
520
540
560
0
10000
20000
30000
40000
50000
60000
70000

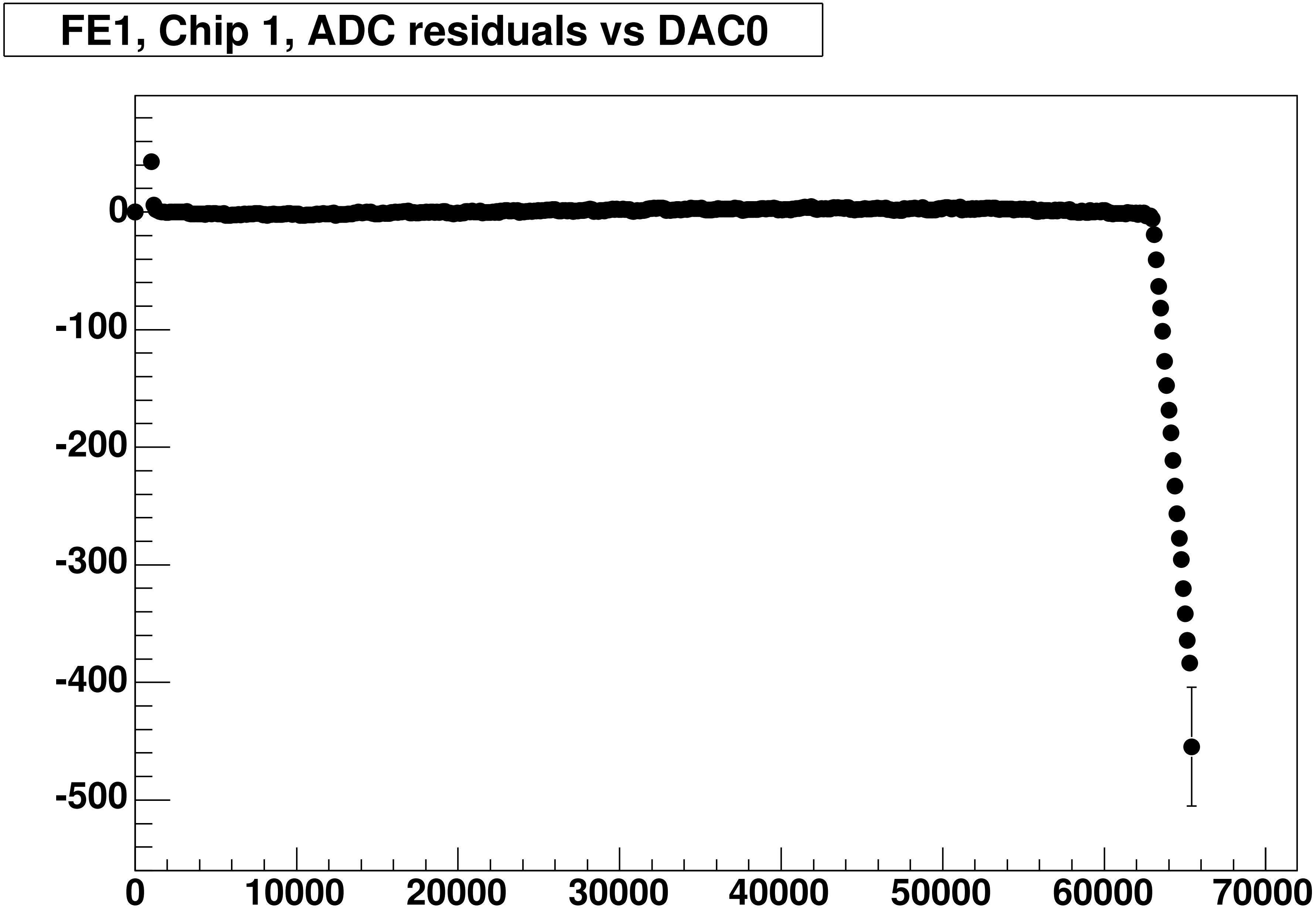

FE1, Chip 0, ADC noise vs DAC1
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

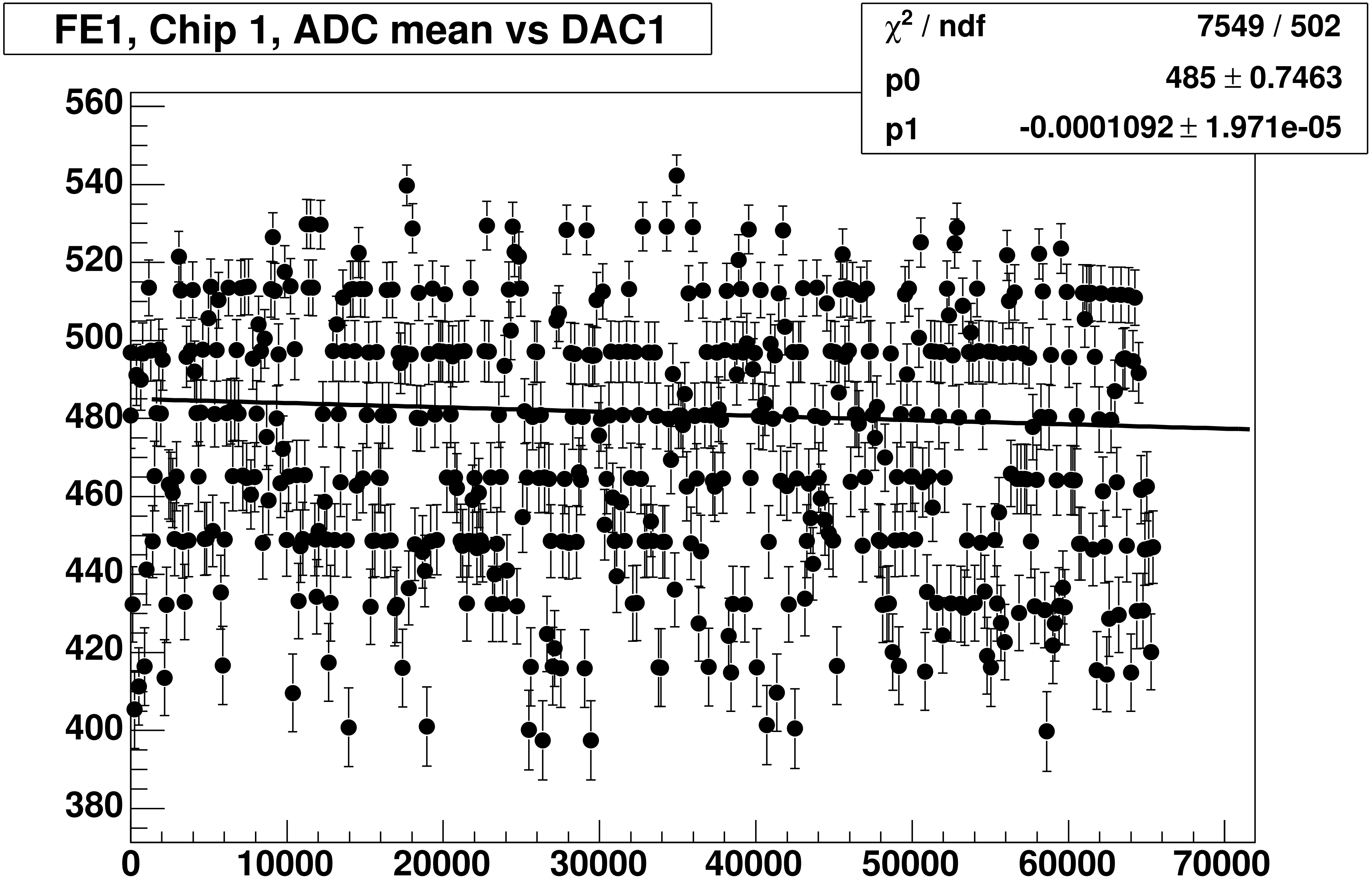

FE1, Chip 0, ADC residuals vs DAC1
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

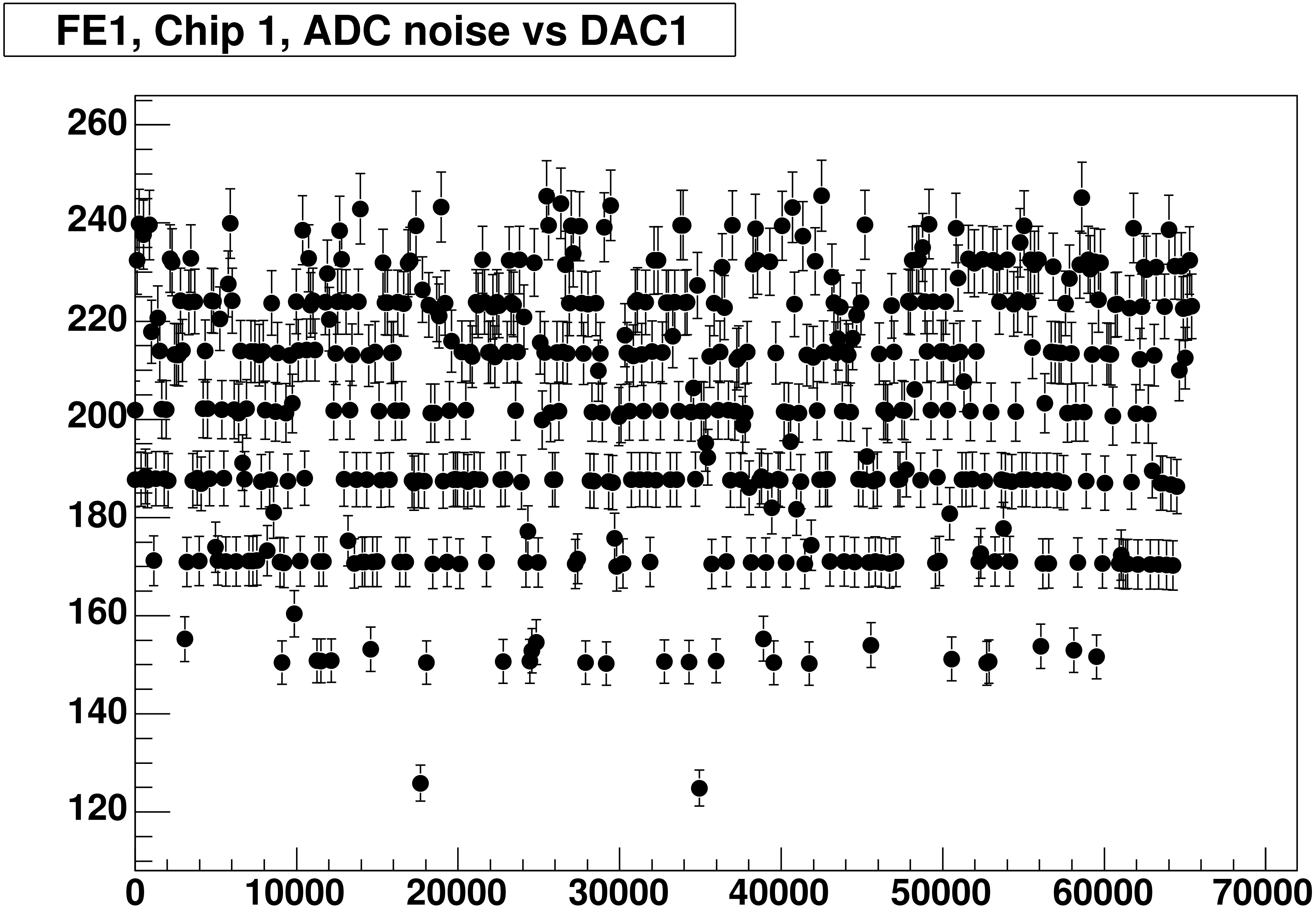


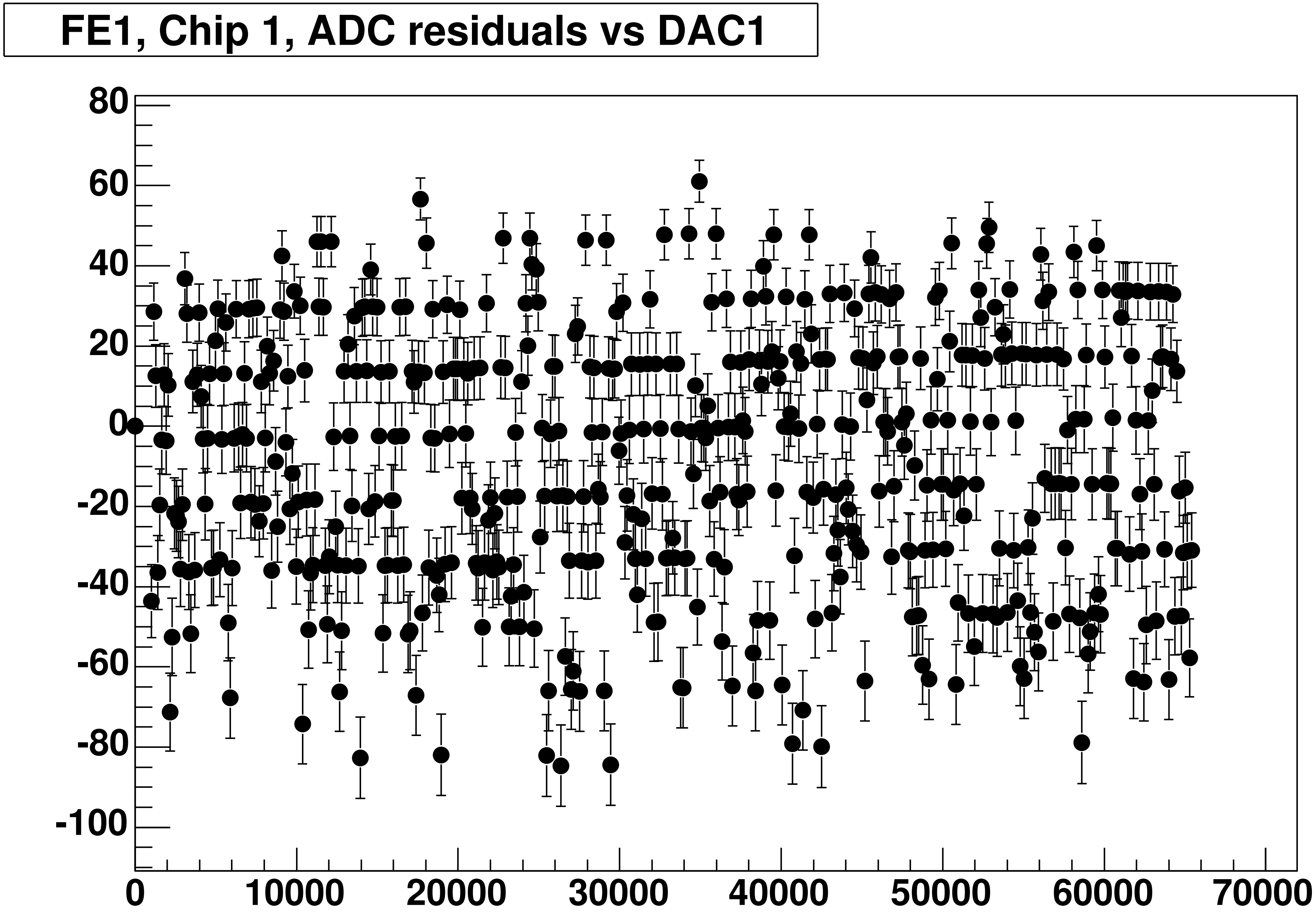
FE1, Chip 1, ADC mean vs DAC0
χ^2 / ndf 9.801e+06 / 502
p0 58.61 ± 0.006841
p1 0.4497 ± 2.172e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000

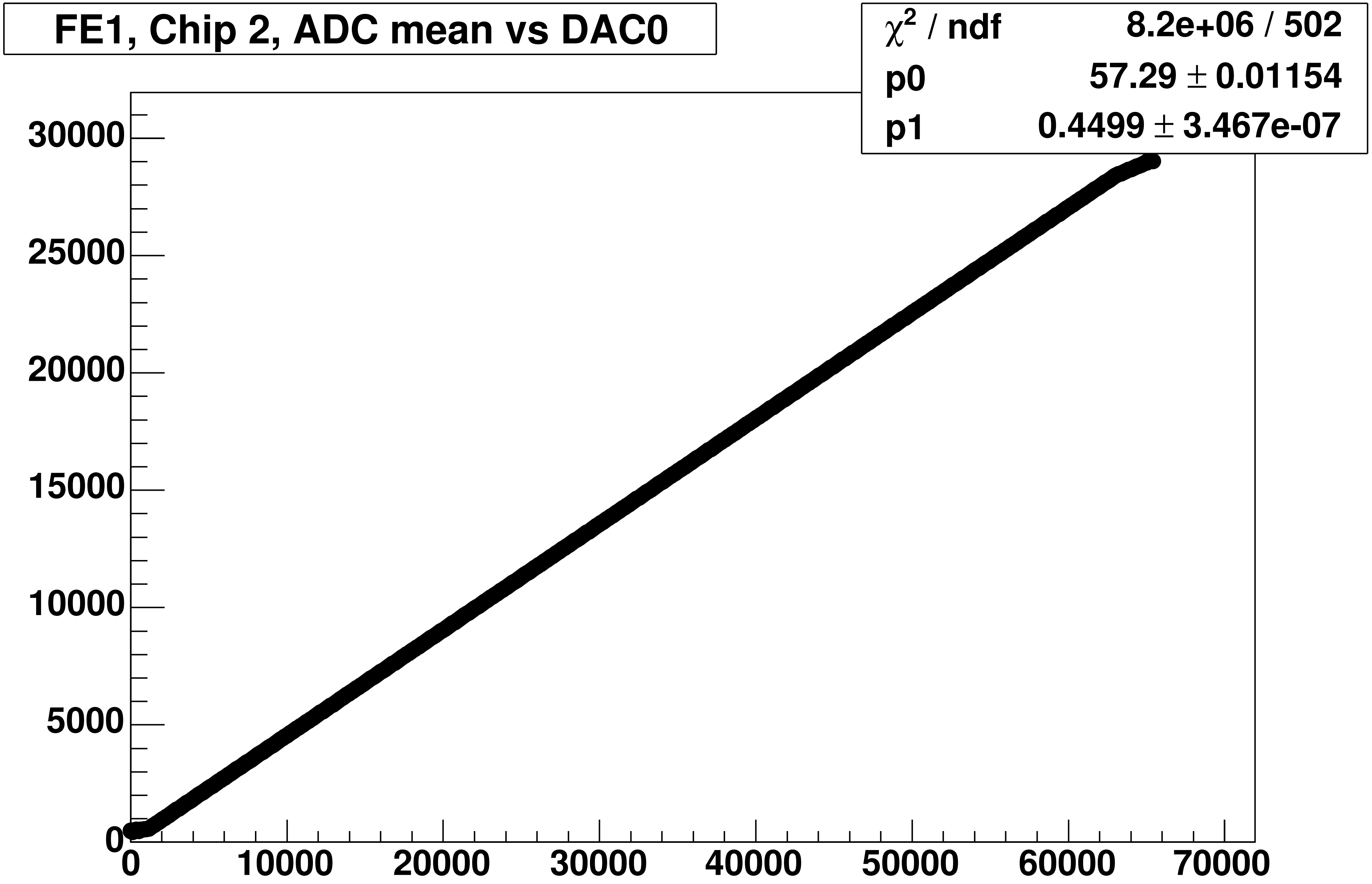

FE1, Chip 1, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

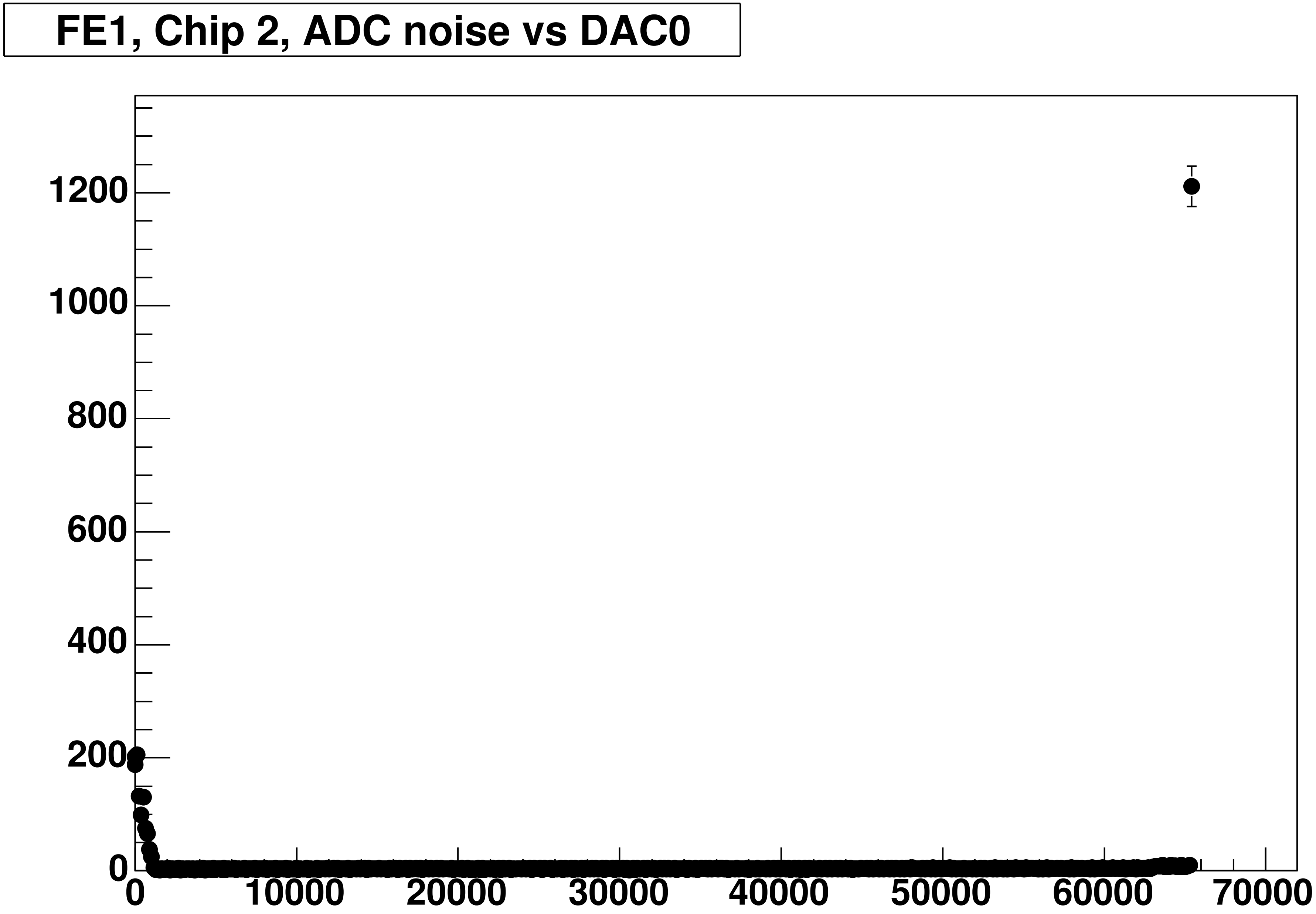

FE1, Chip 1, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000

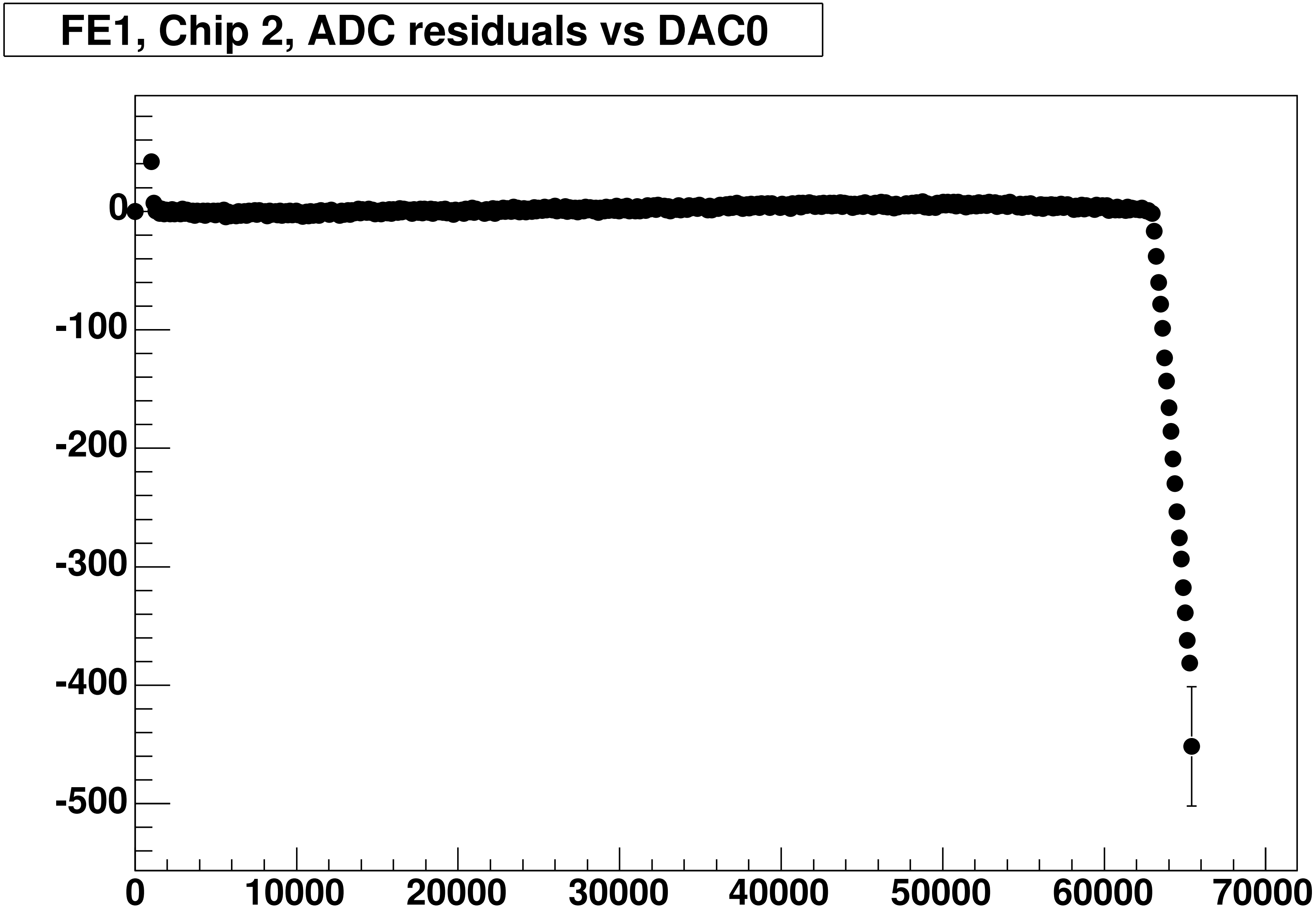

FE1, Chip 1, ADC mean vs DAC1
χ^2 / ndf 7549 / 502
p0 485 ± 0.7463
p1 -0.0001092 ± 1.971e-05
560
540
520
500
480
460
440
420
400
380
0
10000
20000
30000
40000
50000
60000
70000

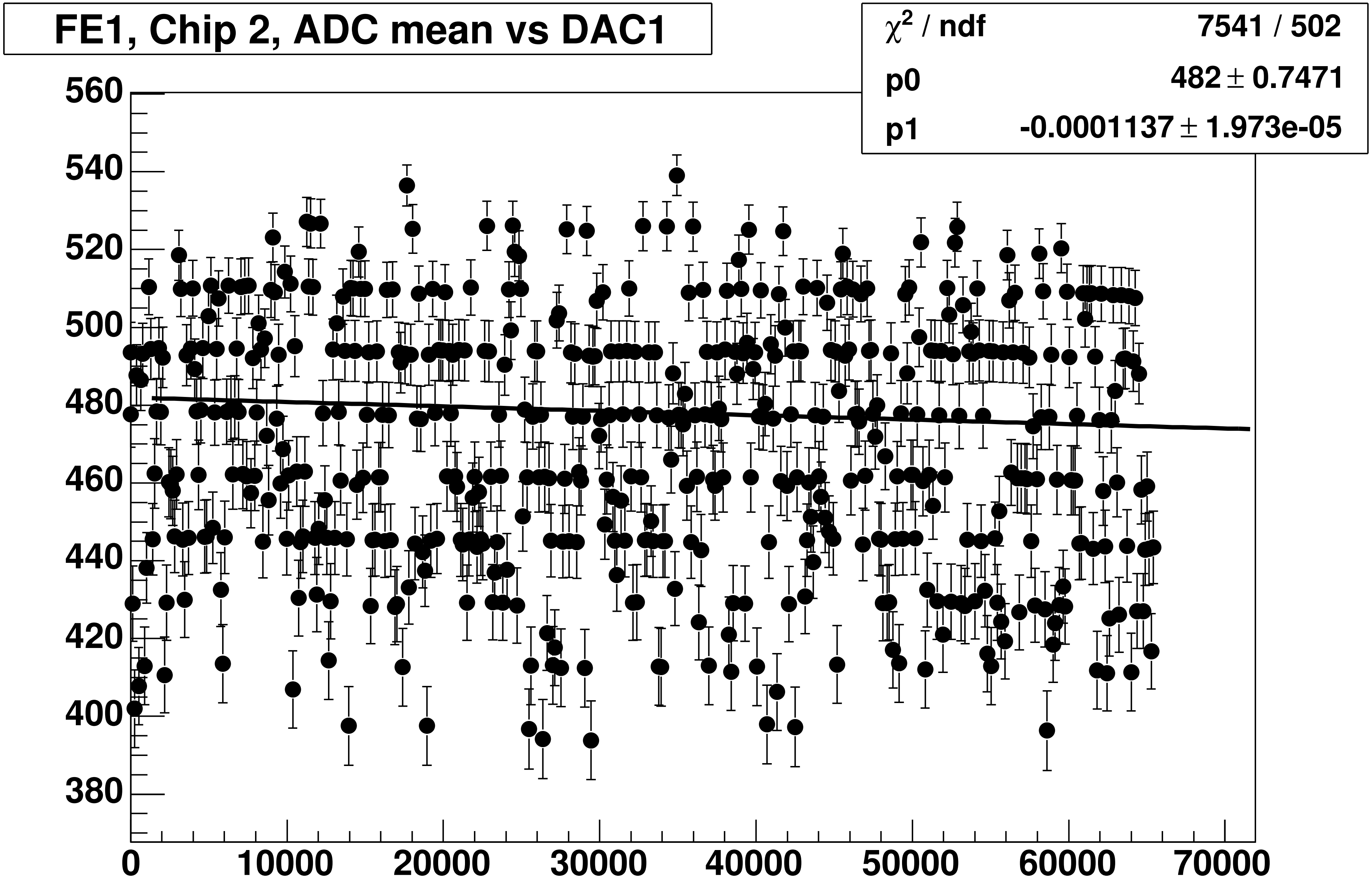

FE1, Chip 1, ADC noise vs DAC1
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

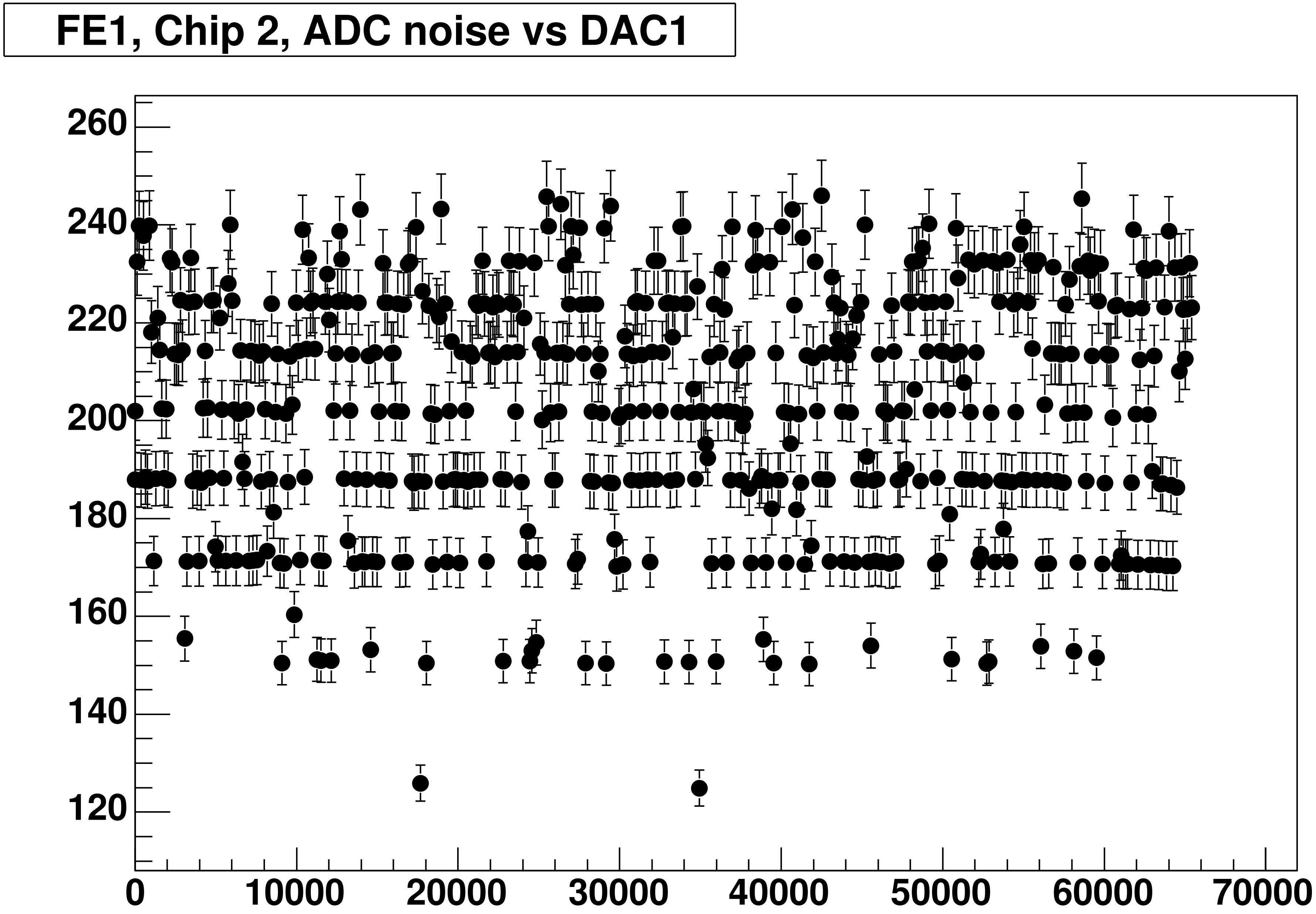

FE1, Chip 1, ADC residuals vs DAC1
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

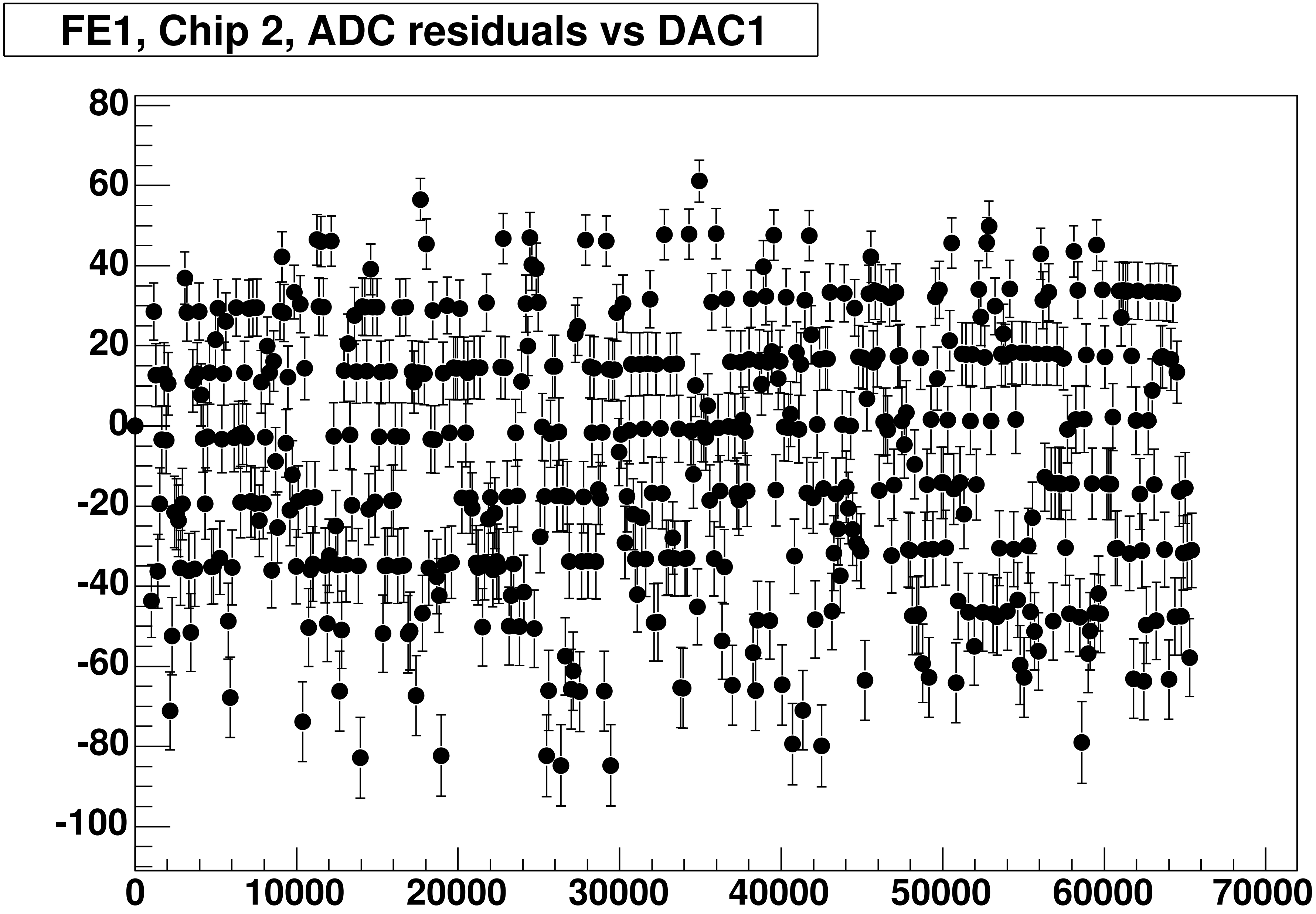

FE1, Chip 2, ADC mean vs DAC0
χ^2 / ndf 8.2e+06 / 502
p0 57.29 ± 0.01154
p1 0.4499 ± 3.467e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000

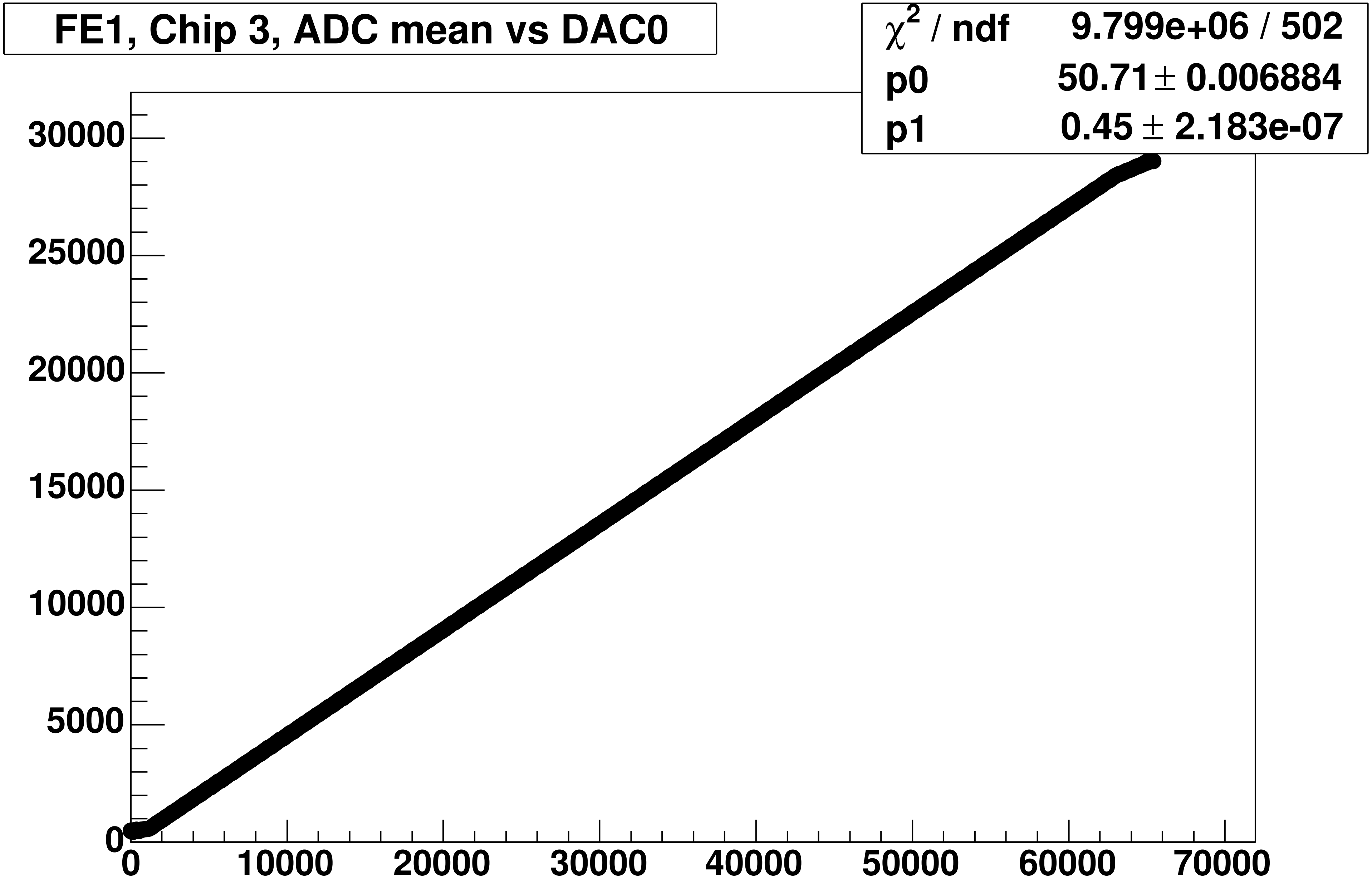

FE1, Chip 2, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

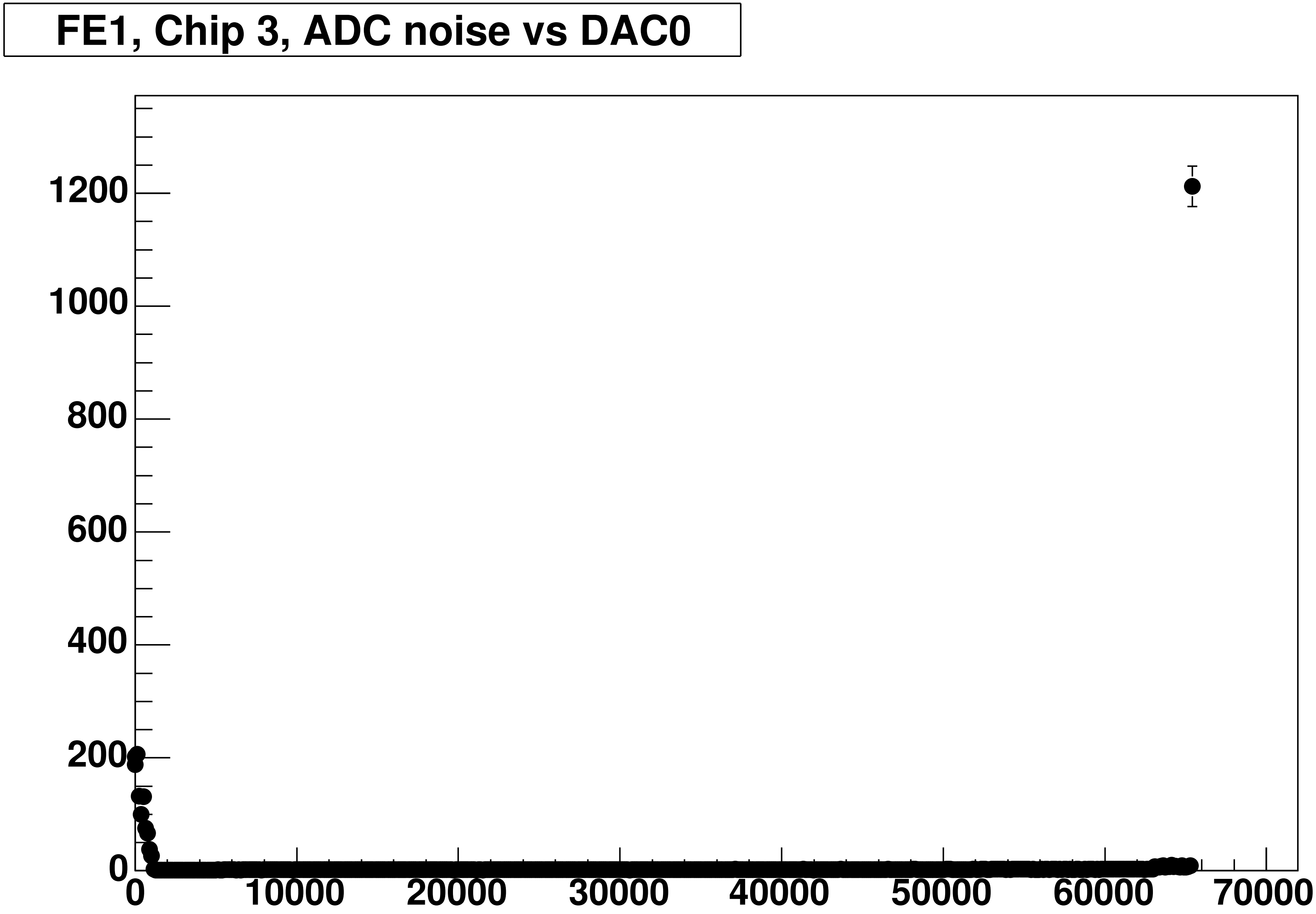

FE1, Chip 2, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000

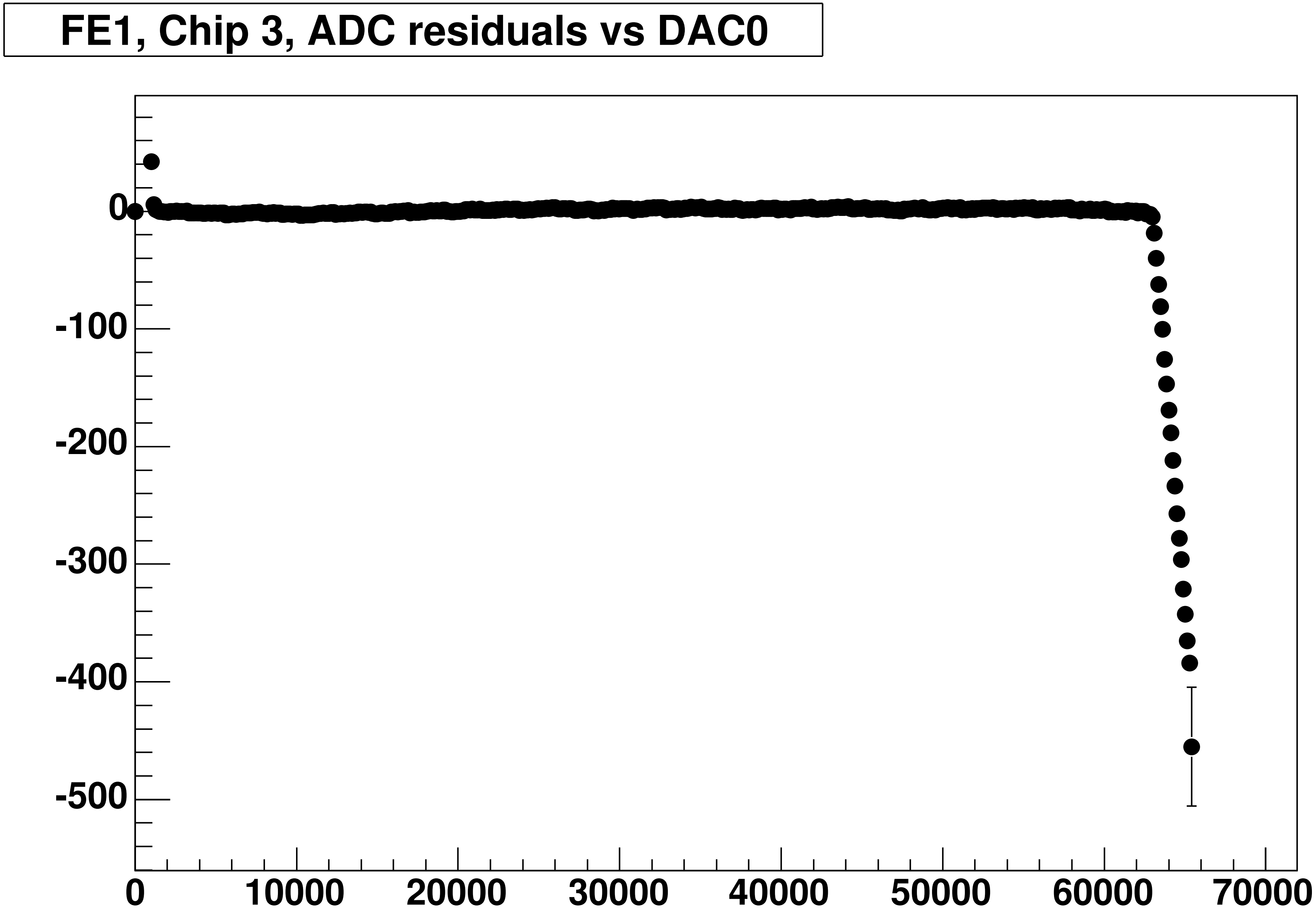

FE1, Chip 2, ADC mean vs DAC1
χ^2 / ndf 7541 / 502
p0 482 ± 0.7471
p1 -0.0001137 ± 1.973e-05
560
540
520
500
480
460
440
420
400
380
0
10000
20000
30000
40000
50000
60000
70000

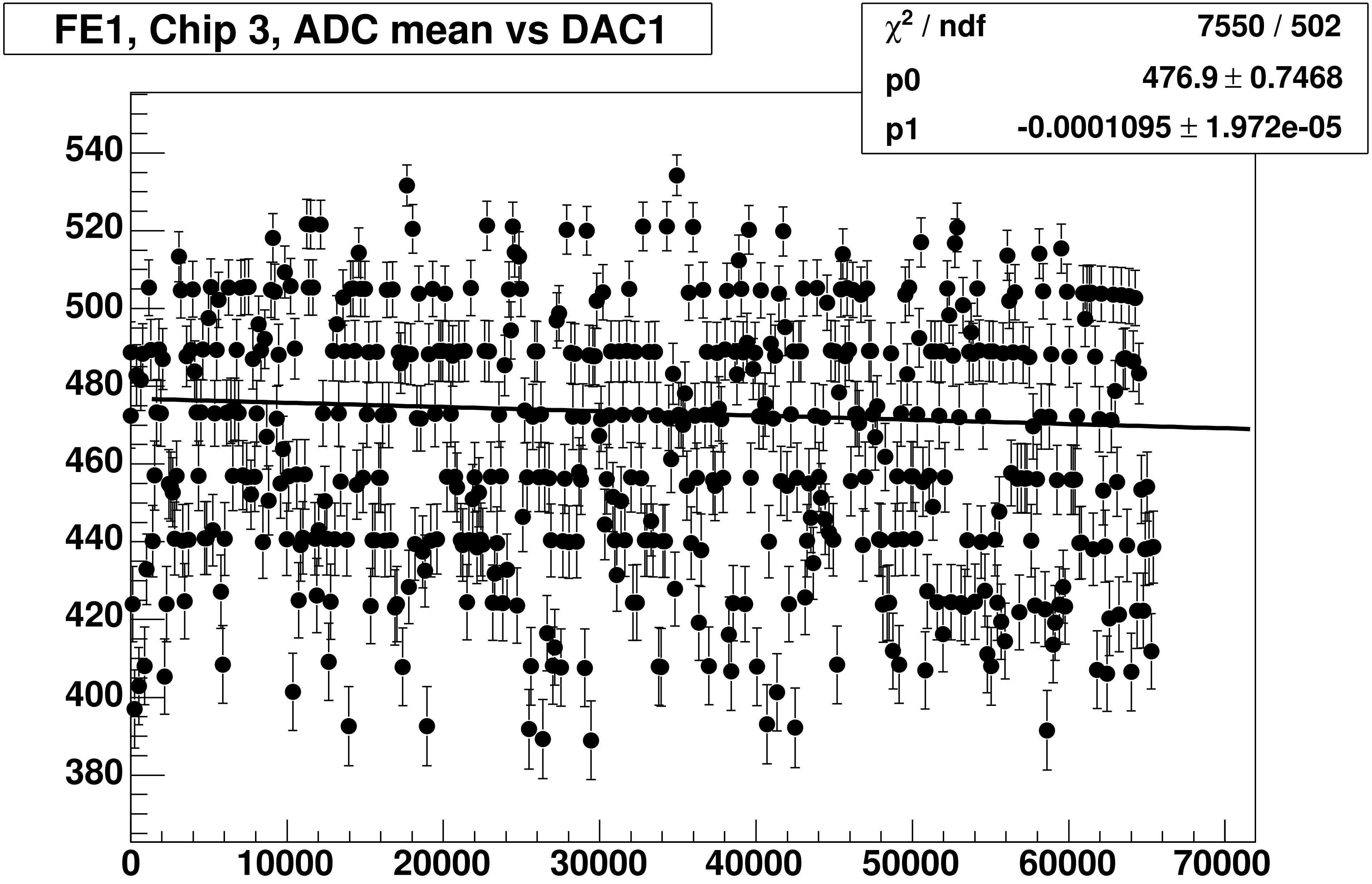

FE1, Chip 2, ADC noise vs DAC1
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 2, ADC residuals vs DAC1
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

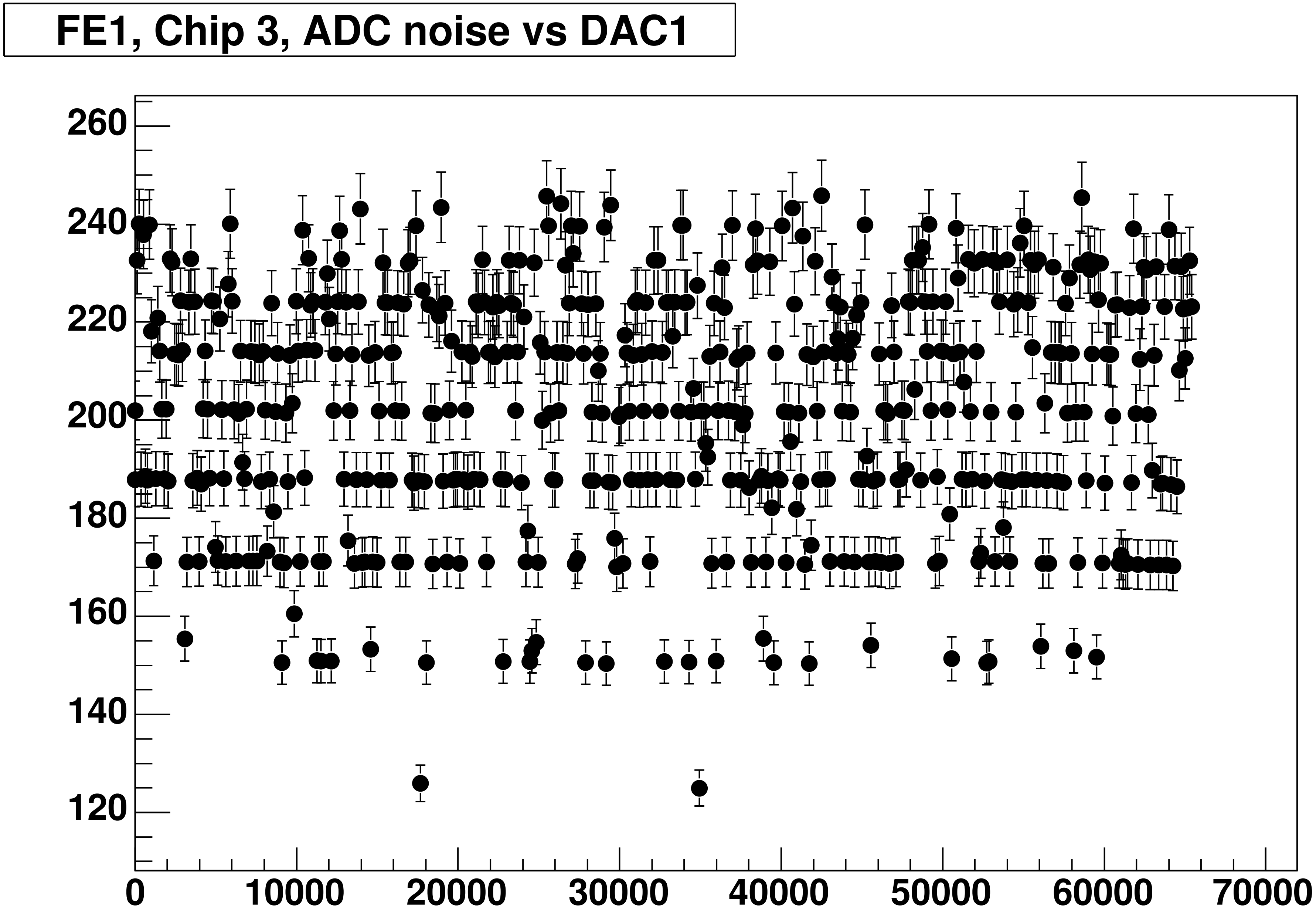

FE1, Chip 3, ADC mean vs DAC0
χ^2 / ndf 9.799e+06 / 502
p0 50.71 ± 0.006884
p1 0.45 ± 2.183e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 3, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

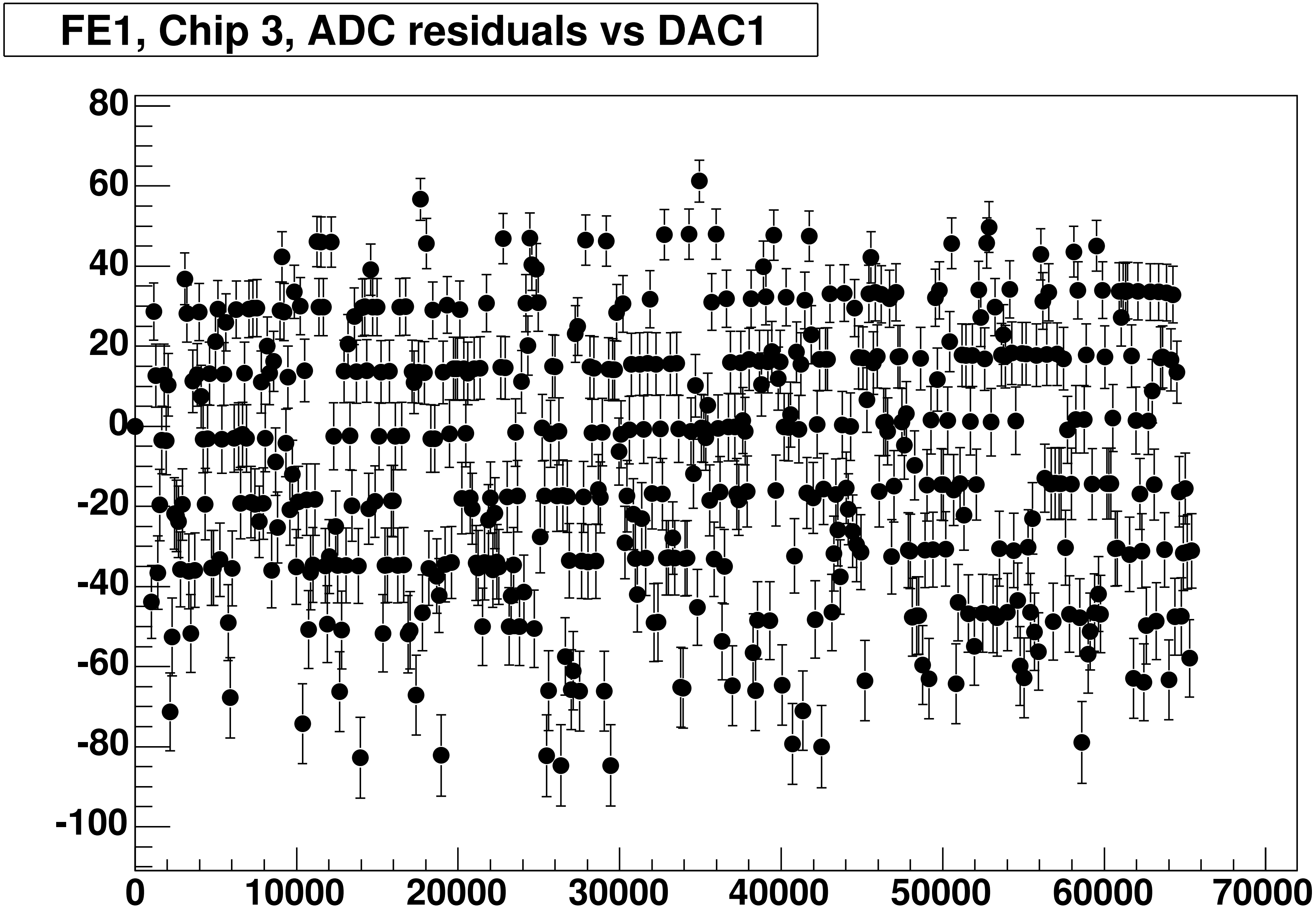

FE1, Chip 3, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000



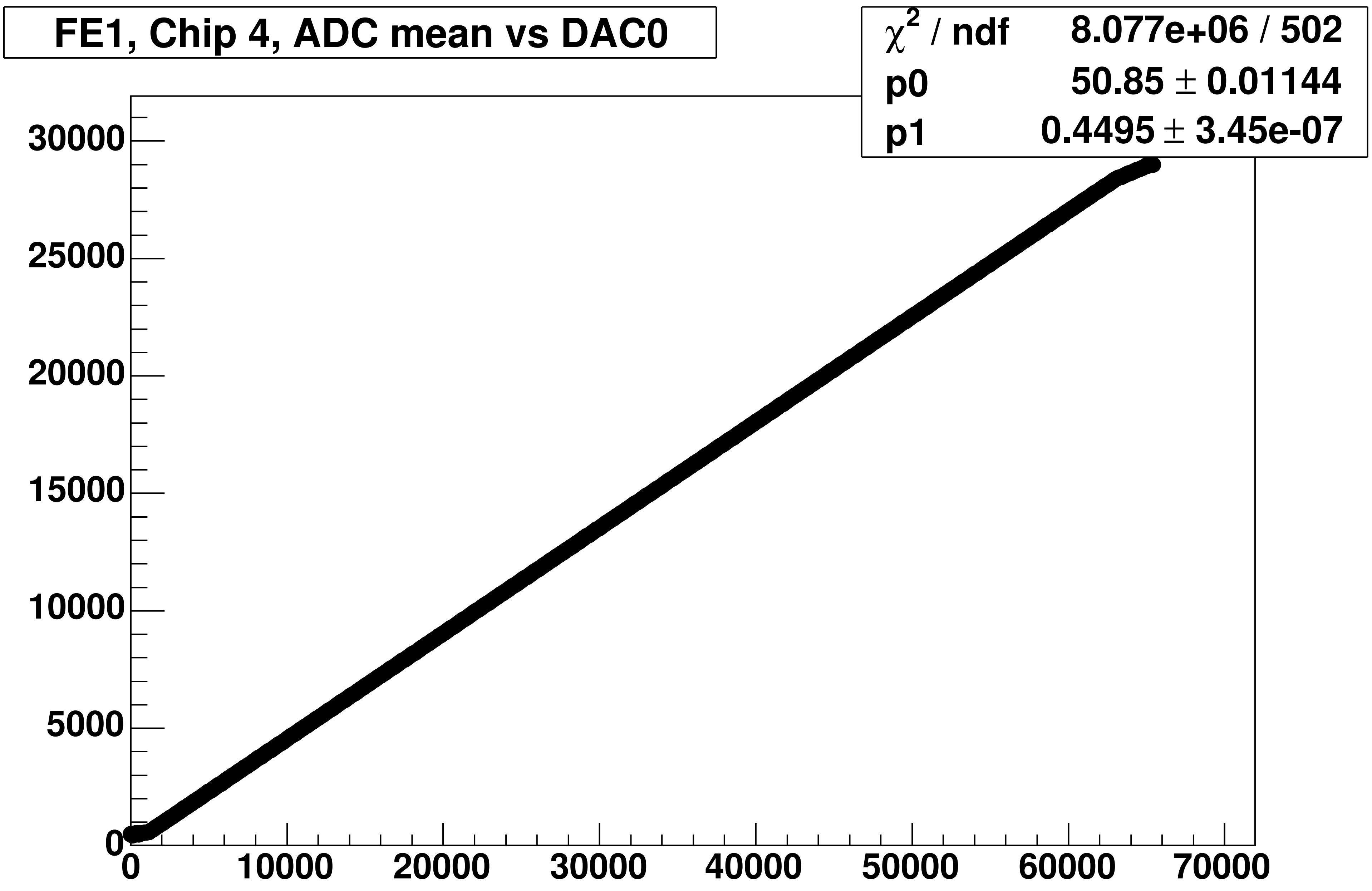
FE1, Chip 3, ADC mean vs DAC1
χ^2 / ndf 7550 / 502
p0 476.9 ± 0.7468
p1 -0.0001095 ± 1.972e-05
540
520
500
480
460
440
420
400
380
0
10000
20000
30000
40000
50000
60000
70000

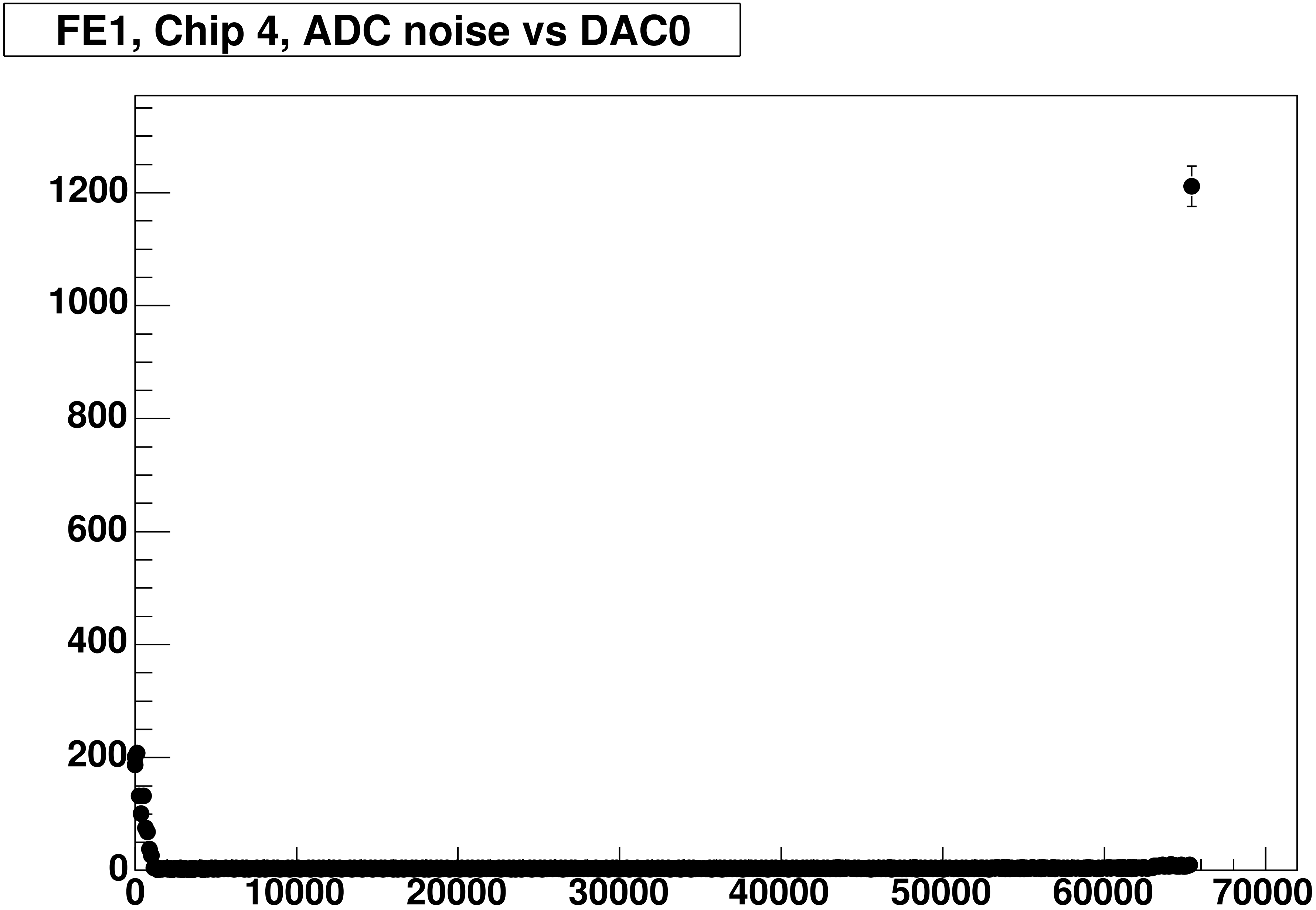


FE1, Chip 3, ADC noise vs DAC1
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

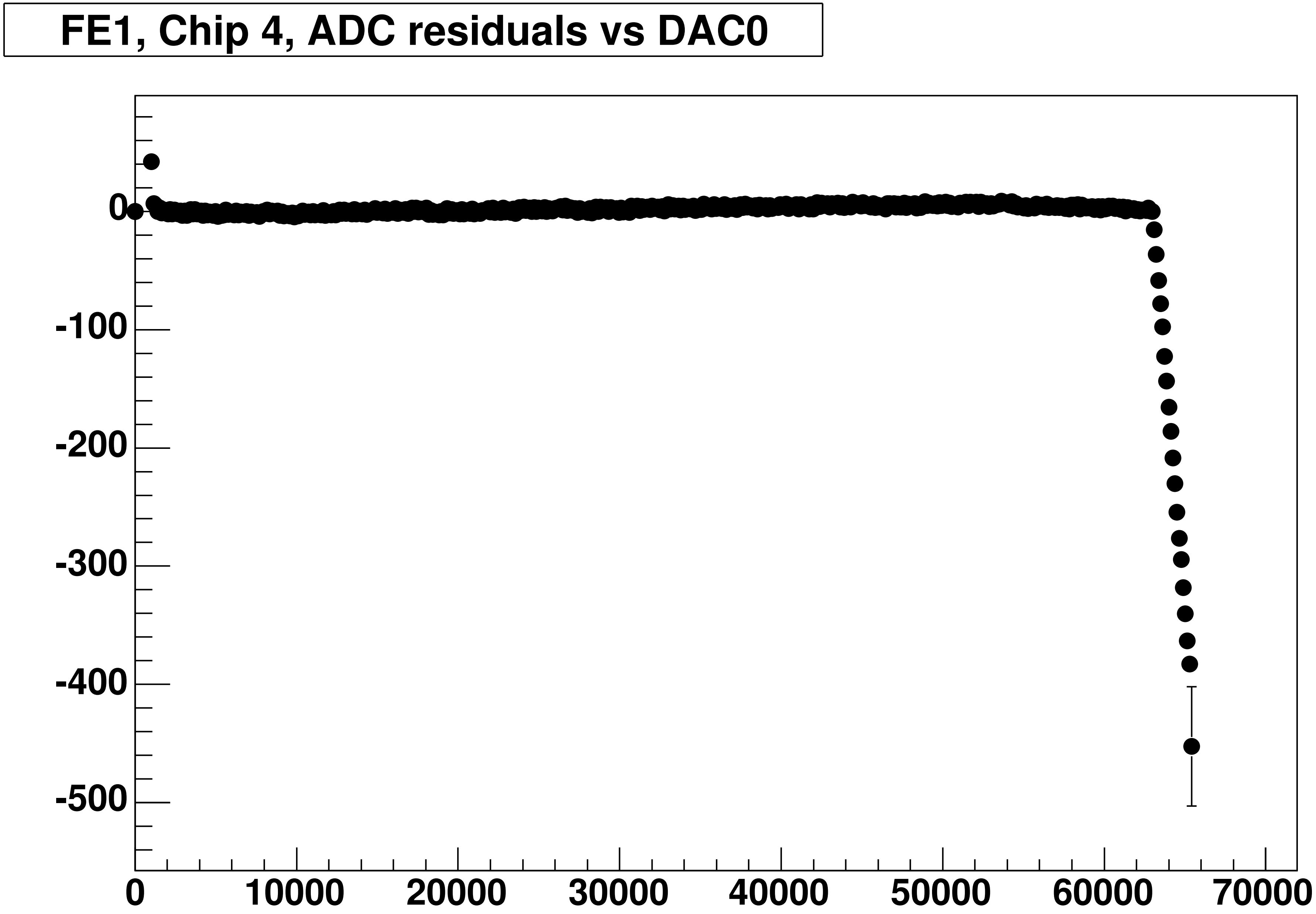


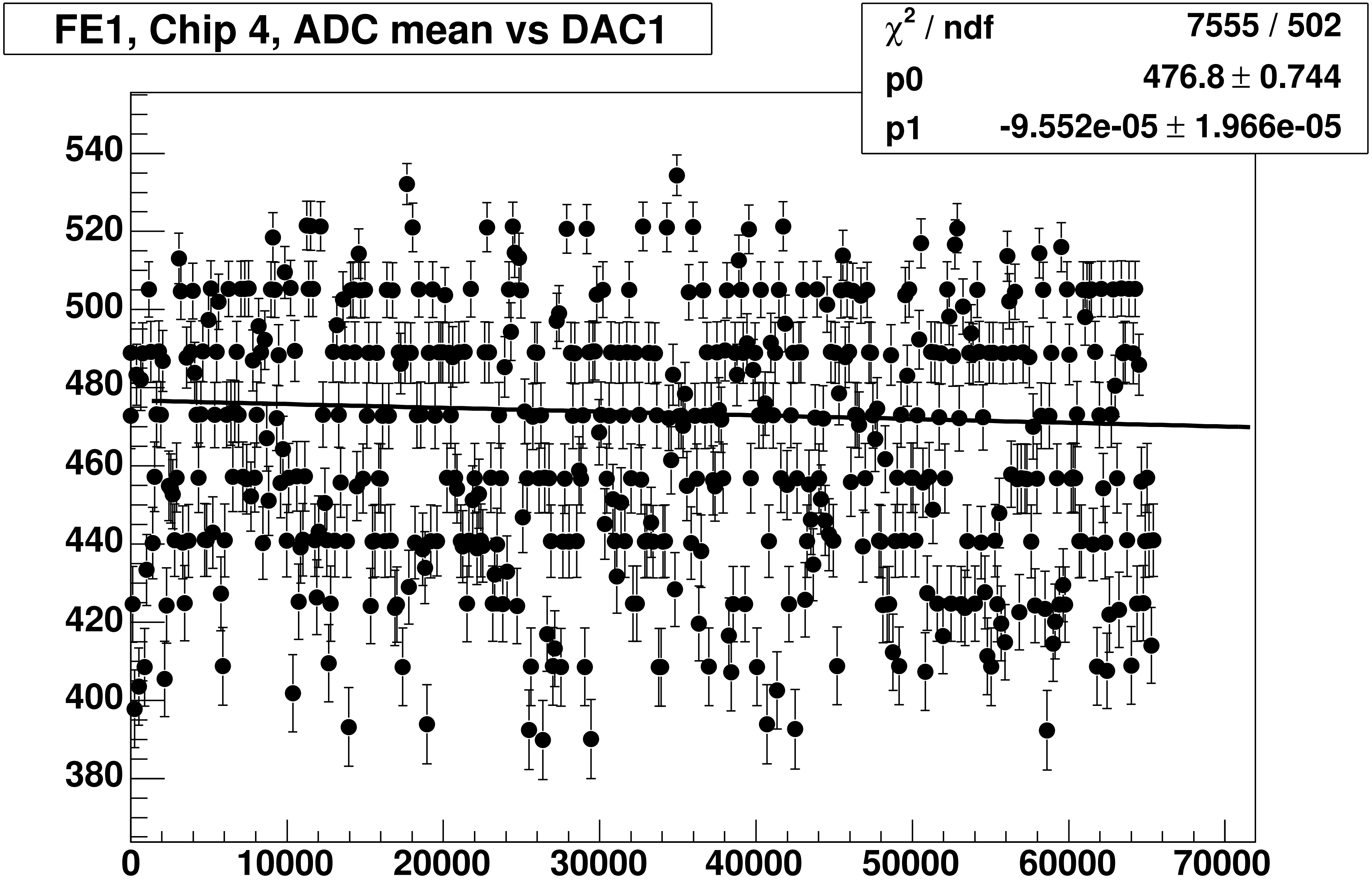
FE1, Chip 3, ADC residuals vs DAC1
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

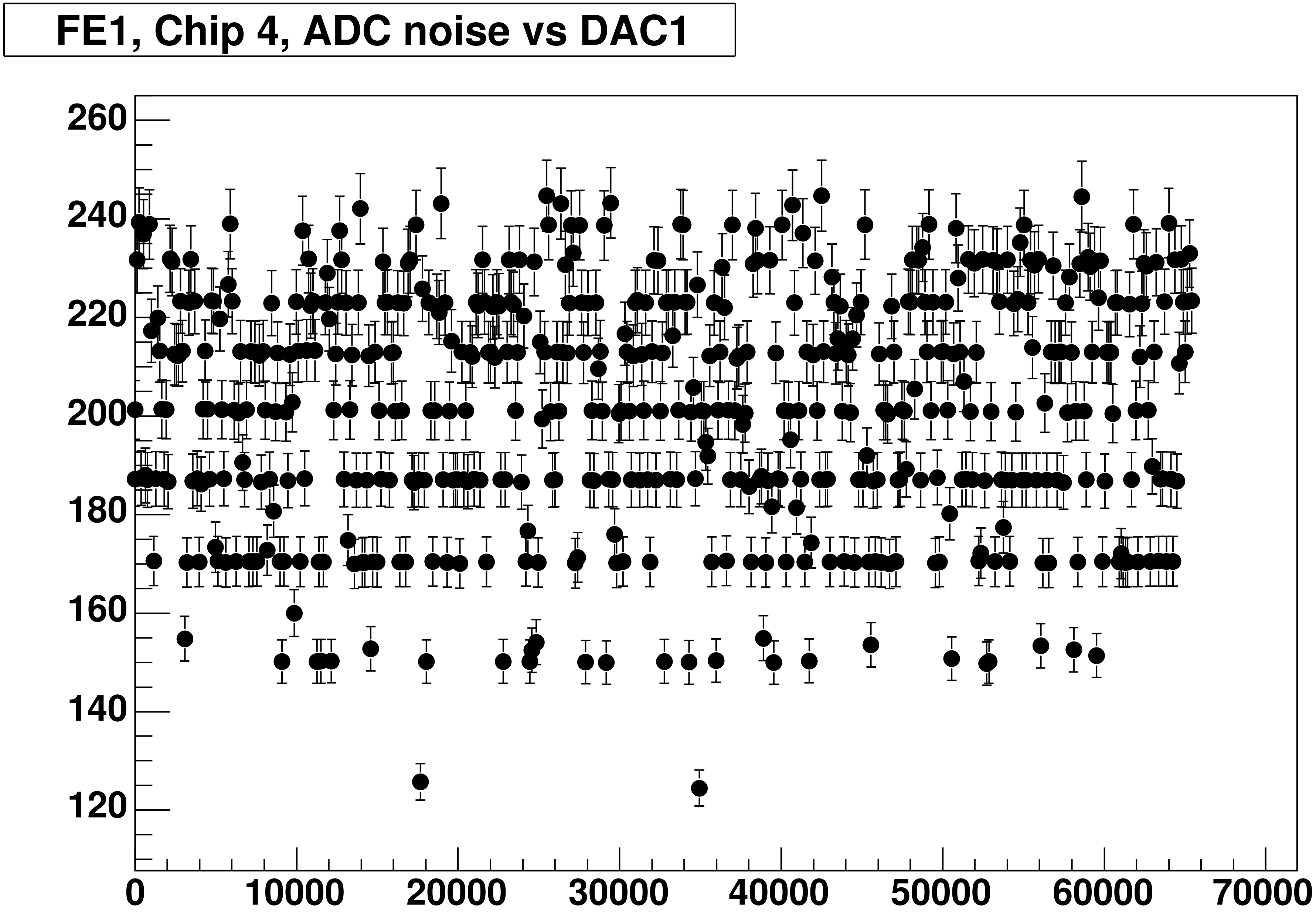

FE1, Chip 4, ADC mean vs DAC0
χ^2 / ndf 8.077e+06 / 502
p0 50.85 ± 0.01144
p1 0.4495 ± 3.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

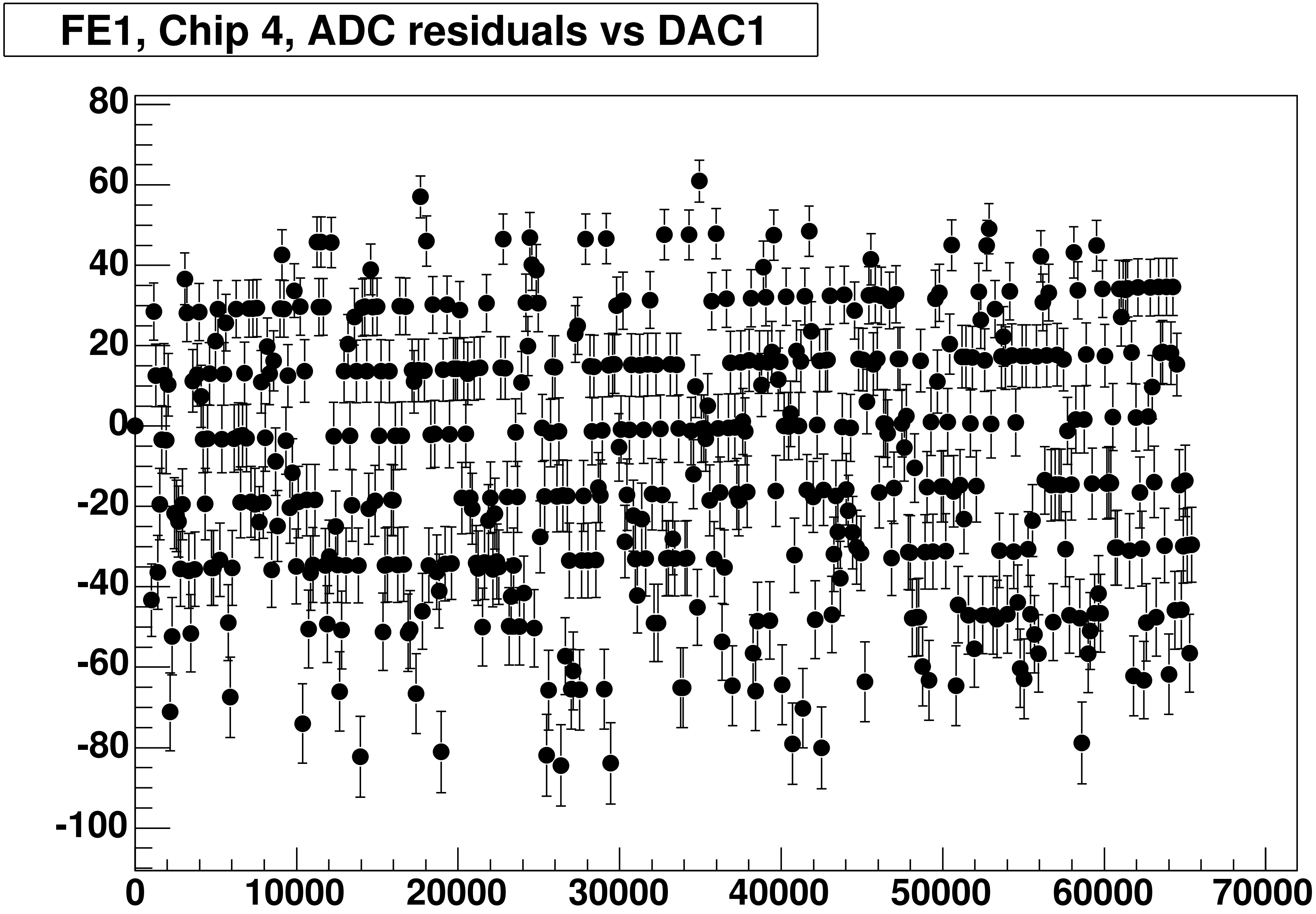


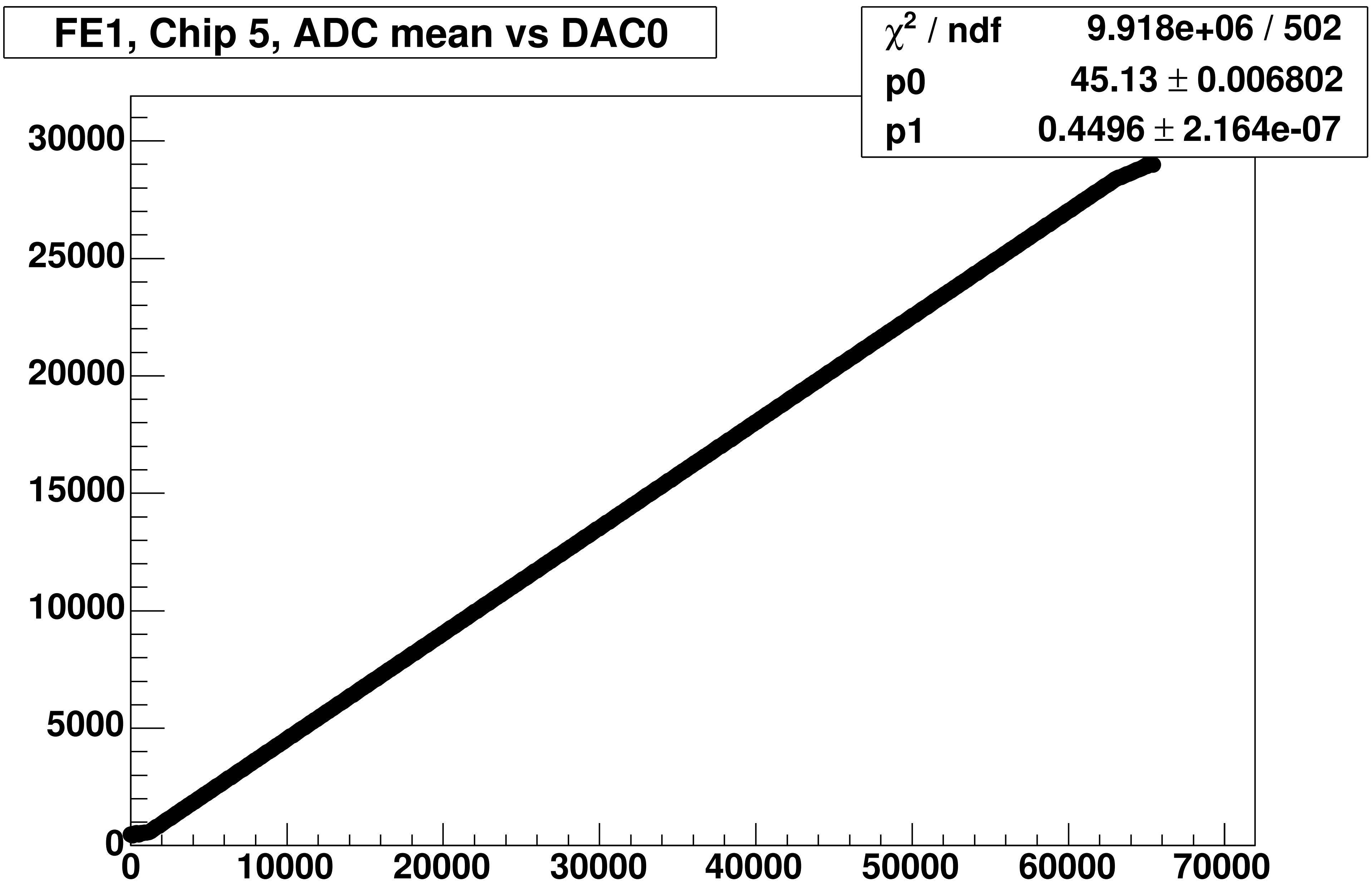
FE1, Chip 4, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

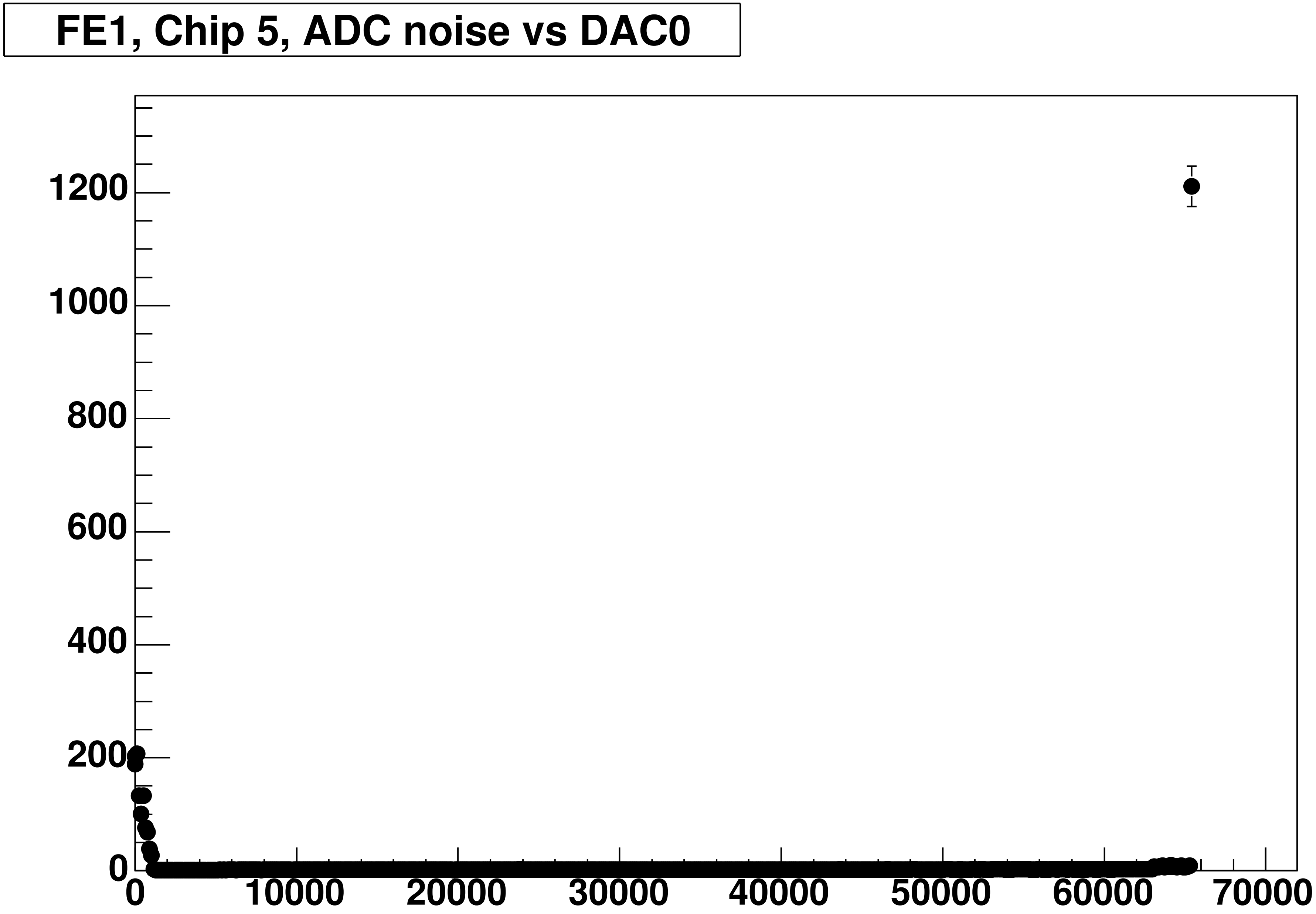

FE1, Chip 4, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000

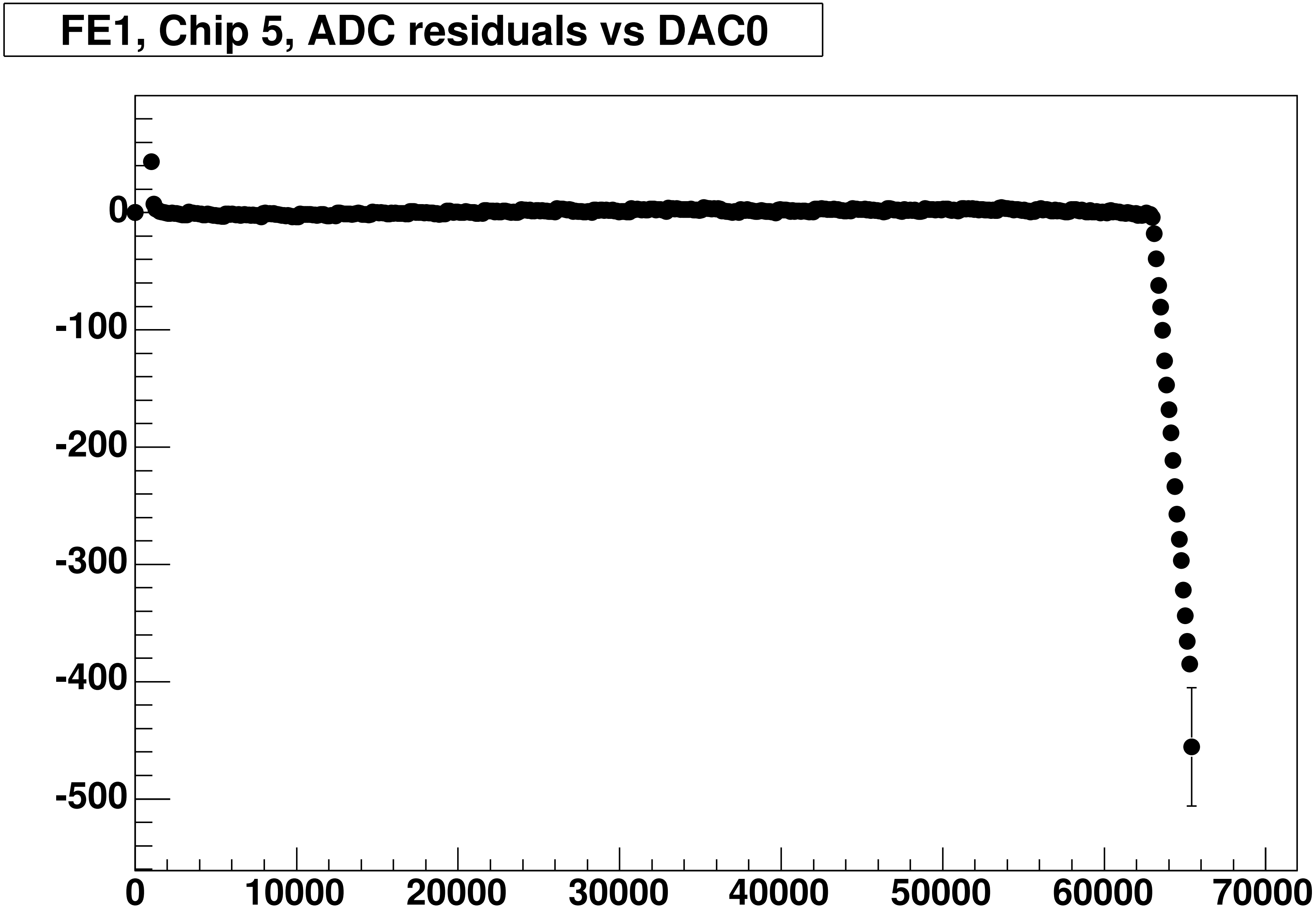

FE1, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7555 / 502
p0 476.8 ± 0.744
p1 -9.552e-05 ± 1.966e-05
540
520
500
480
460
440
420
400
380
0
10000
20000
30000
40000
50000
60000
70000

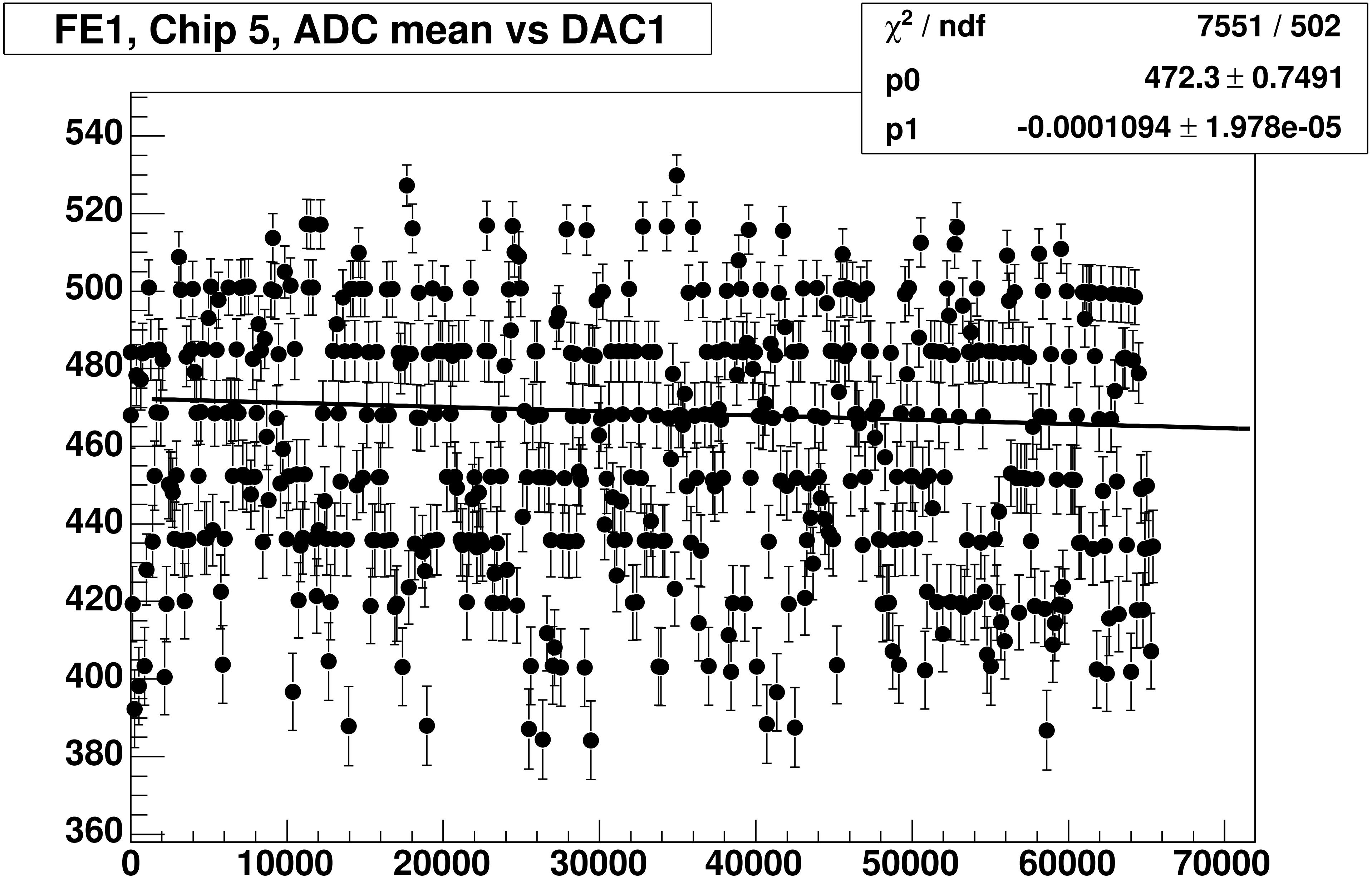

FE1, Chip 4, ADC noise vs DAC1
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

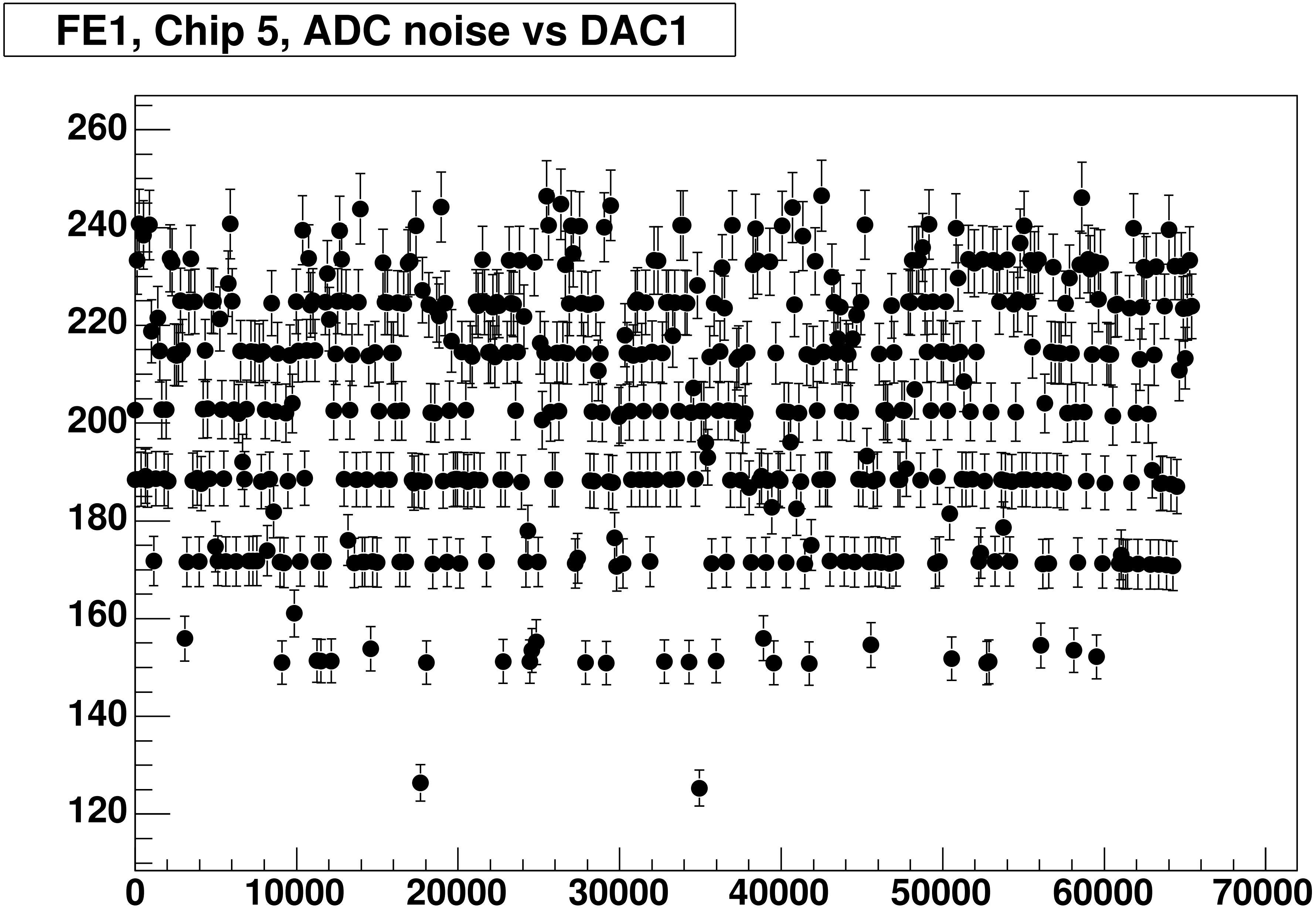

FE1, Chip 4, ADC residuals vs DAC1
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

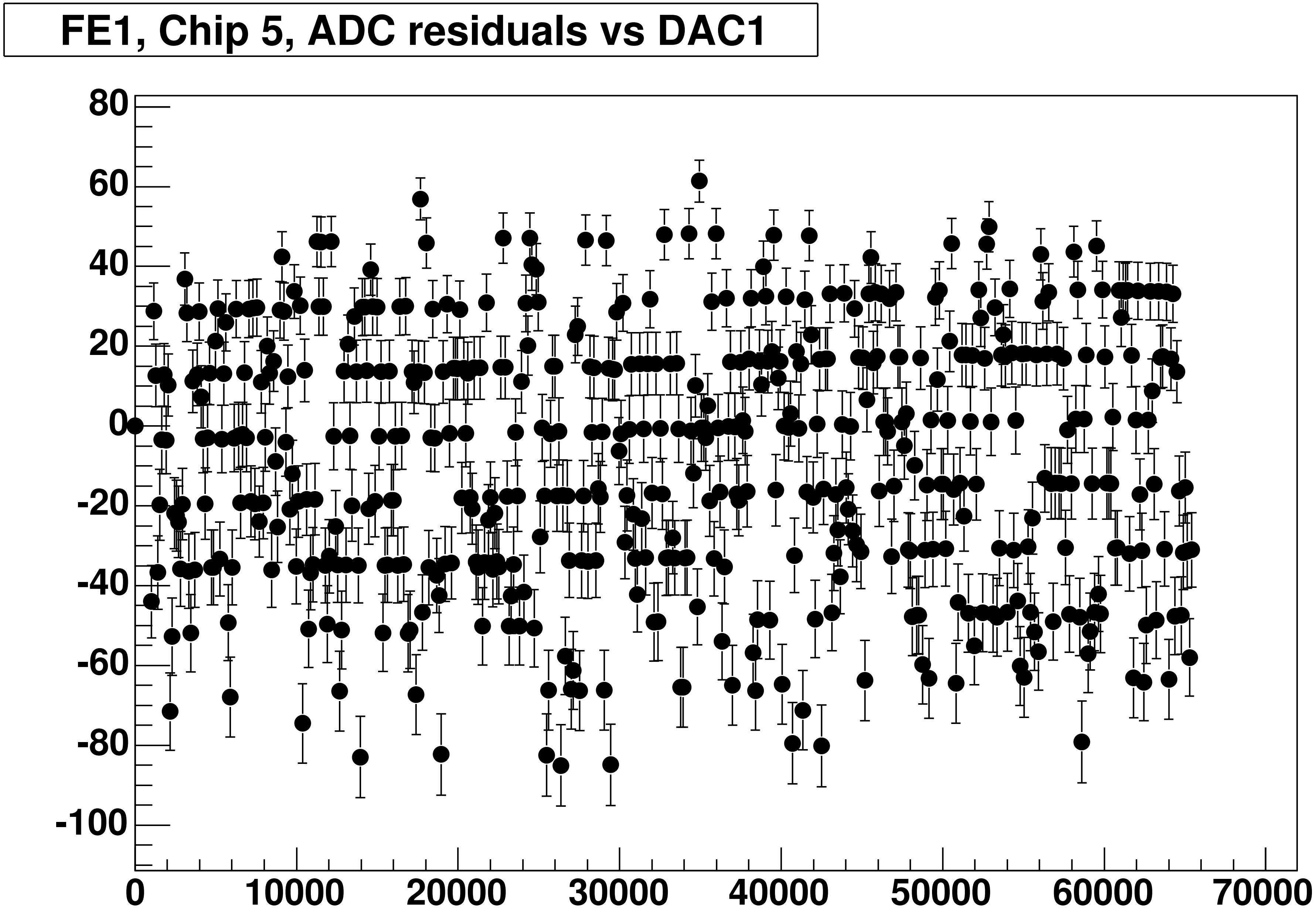

FE1, Chip 5, ADC mean vs DAC0
χ^2 / ndf 9.918e+06 / 502
p0 45.13 ± 0.006802
p1 0.4496 ± 2.164e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 5, ADC noise vs DAC0
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

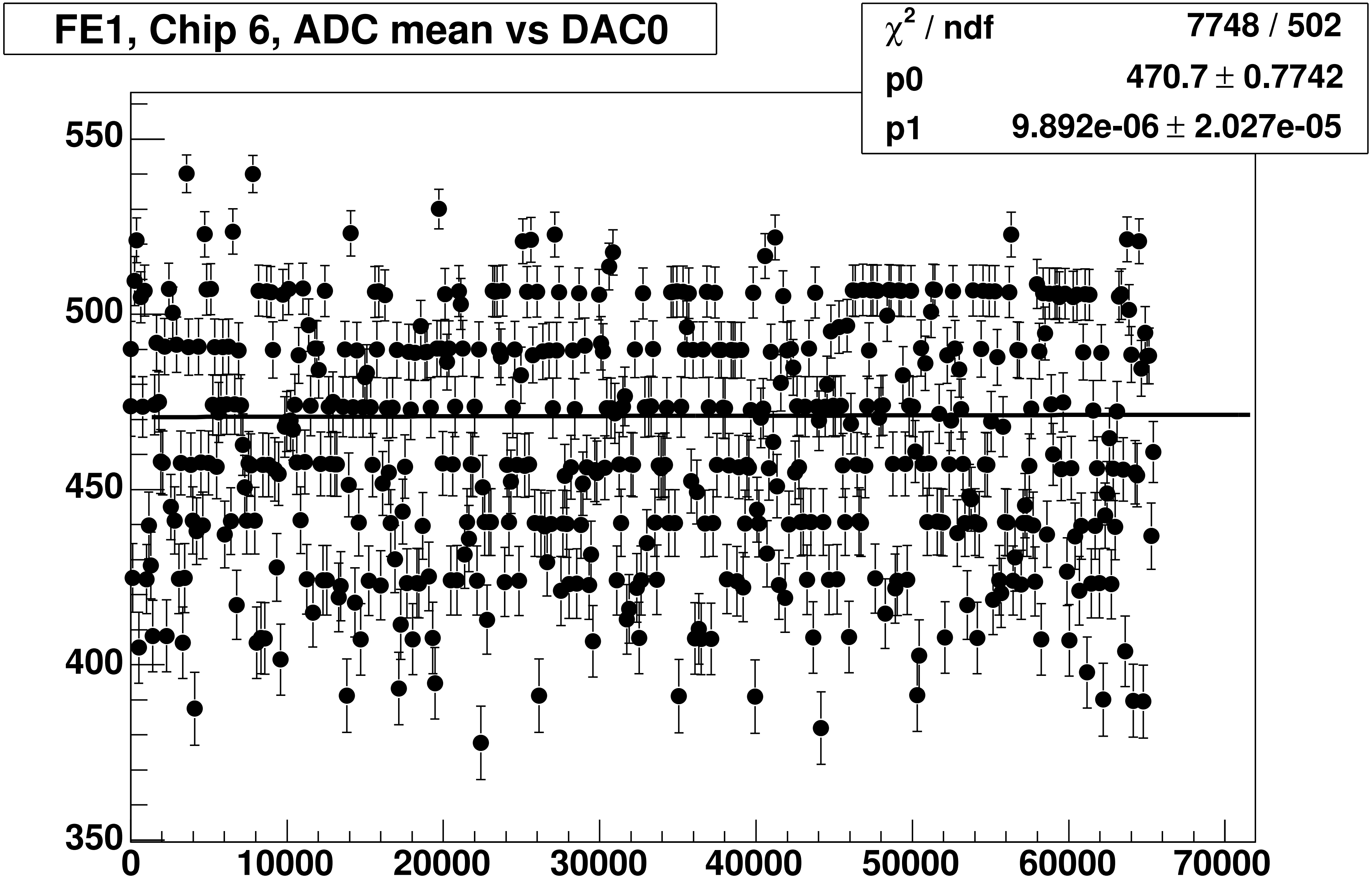

FE1, Chip 5, ADC residuals vs DAC0
0
-100
-200
-300
-400
-500
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 5, ADC mean vs DAC1
χ^2 / ndf 7551 / 502
p0 472.3 ± 0.7491
p1 -0.0001094 ± 1.978e-05
540
520
500
480
460
440
420
400
380
360
0
10000
20000
30000
40000
50000
60000
70000

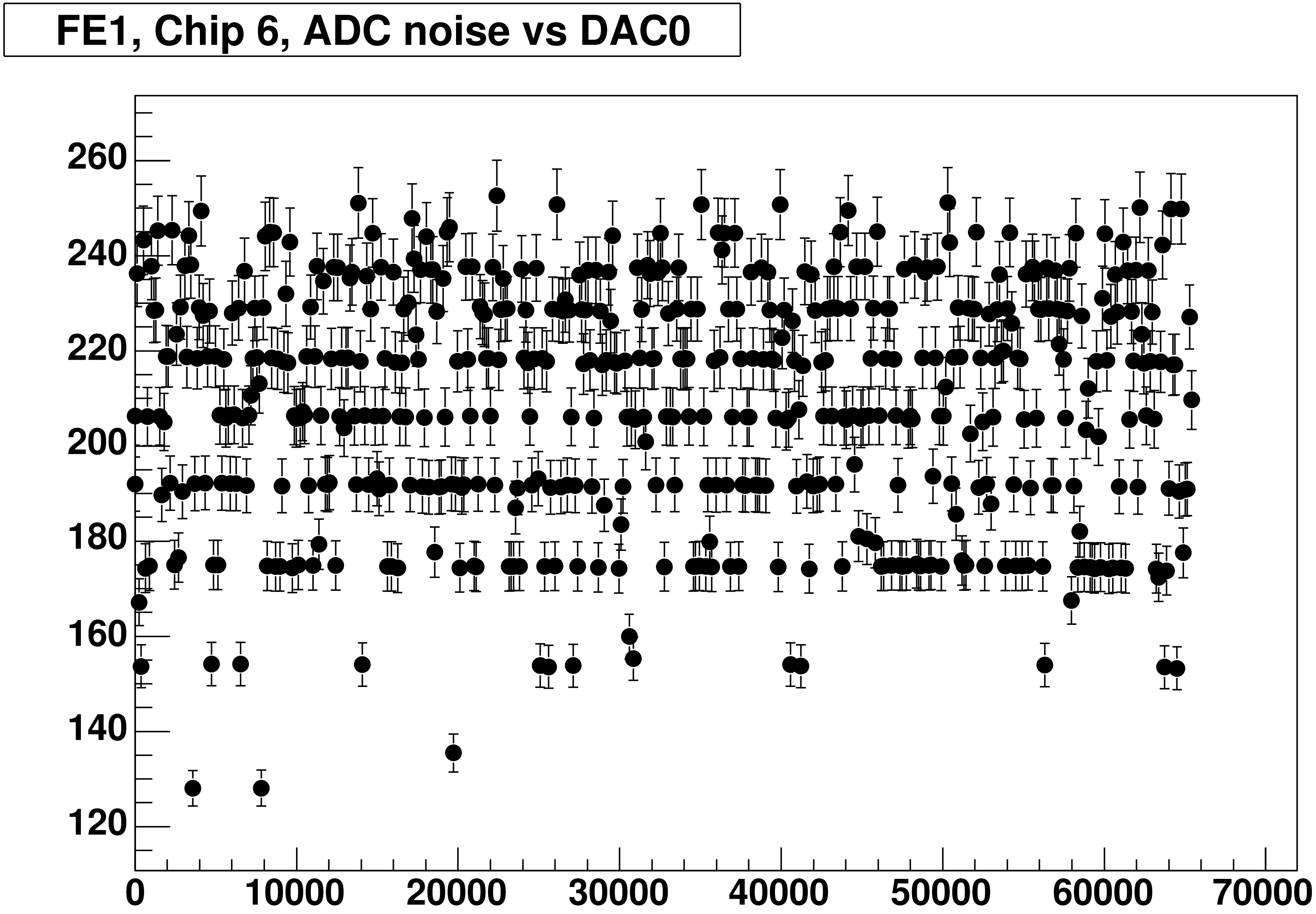

FE1, Chip 5, ADC noise vs DAC1
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000



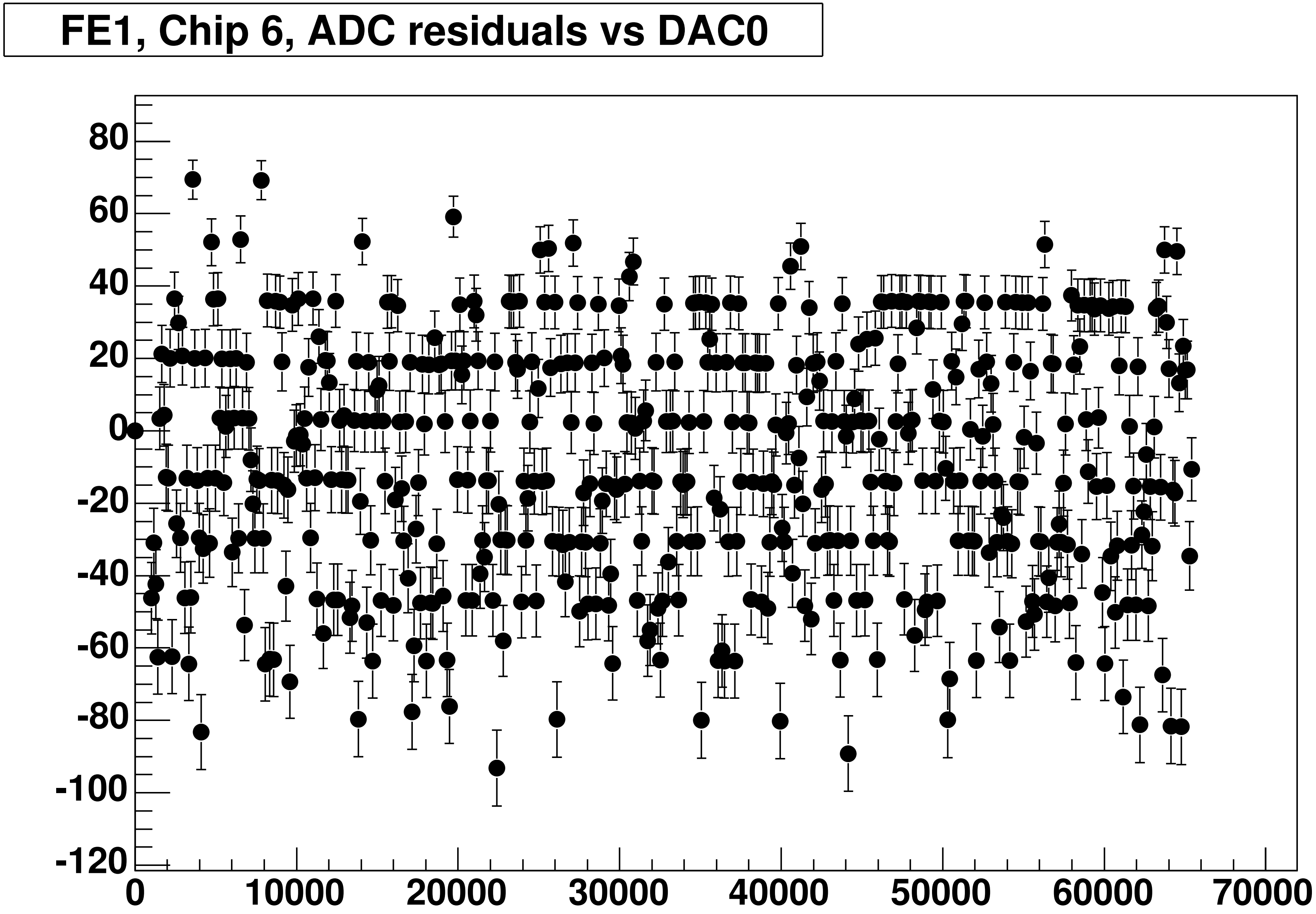
FE1, Chip 5, ADC residuals vs DAC1
80
60
40
20
0
-20
-40
-60
-80
-100
0
10000
20000
30000
40000
50000
60000
70000

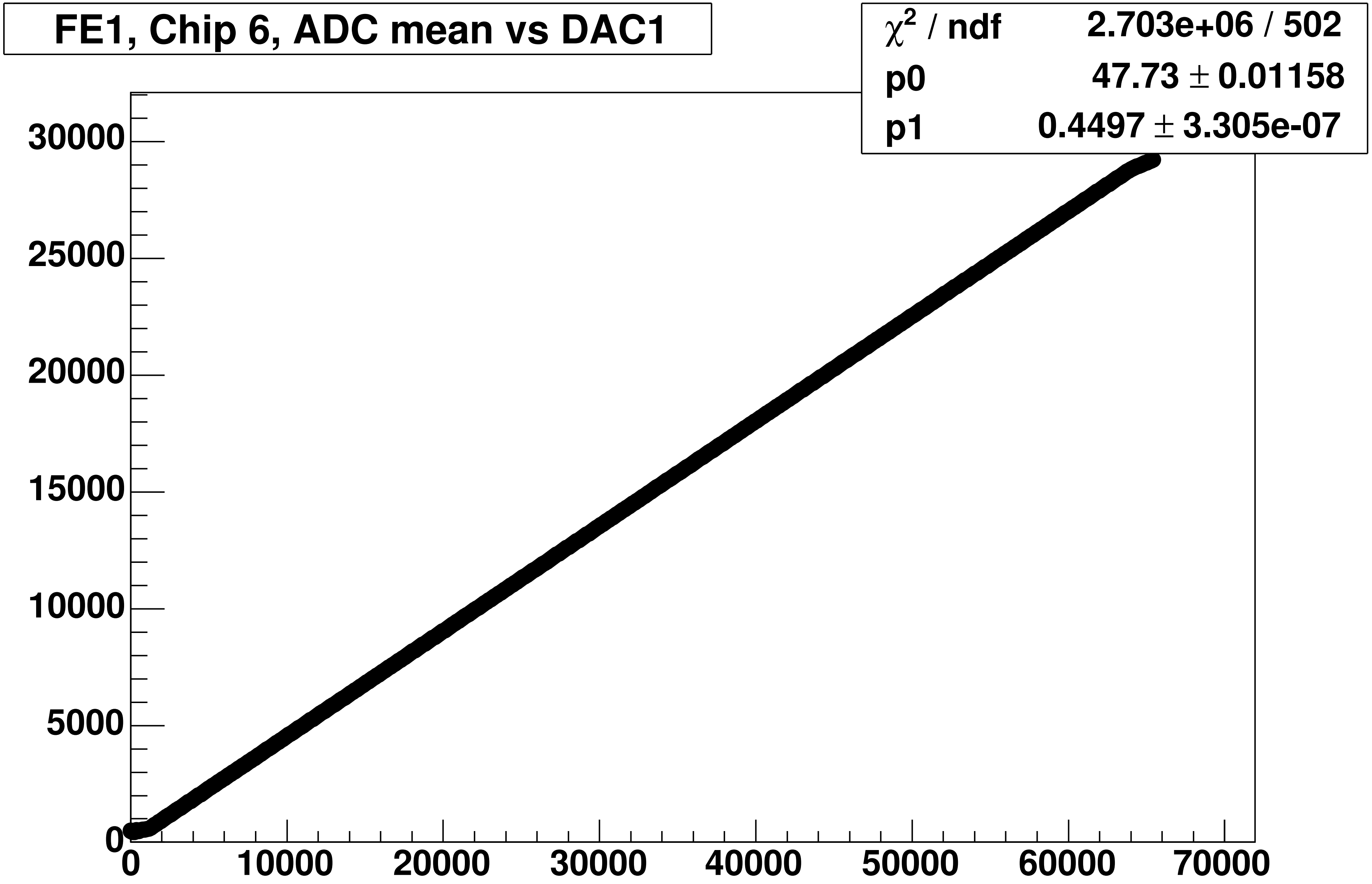


FE1, Chip 6, ADC mean vs DAC0
χ^2 / ndf 7748 / 502
p0 470.7 ± 0.7742
p1 9.892e-06 ± 2.027e-05
550
500
450
400
350
0
10000
20000
30000
40000
50000
60000
70000

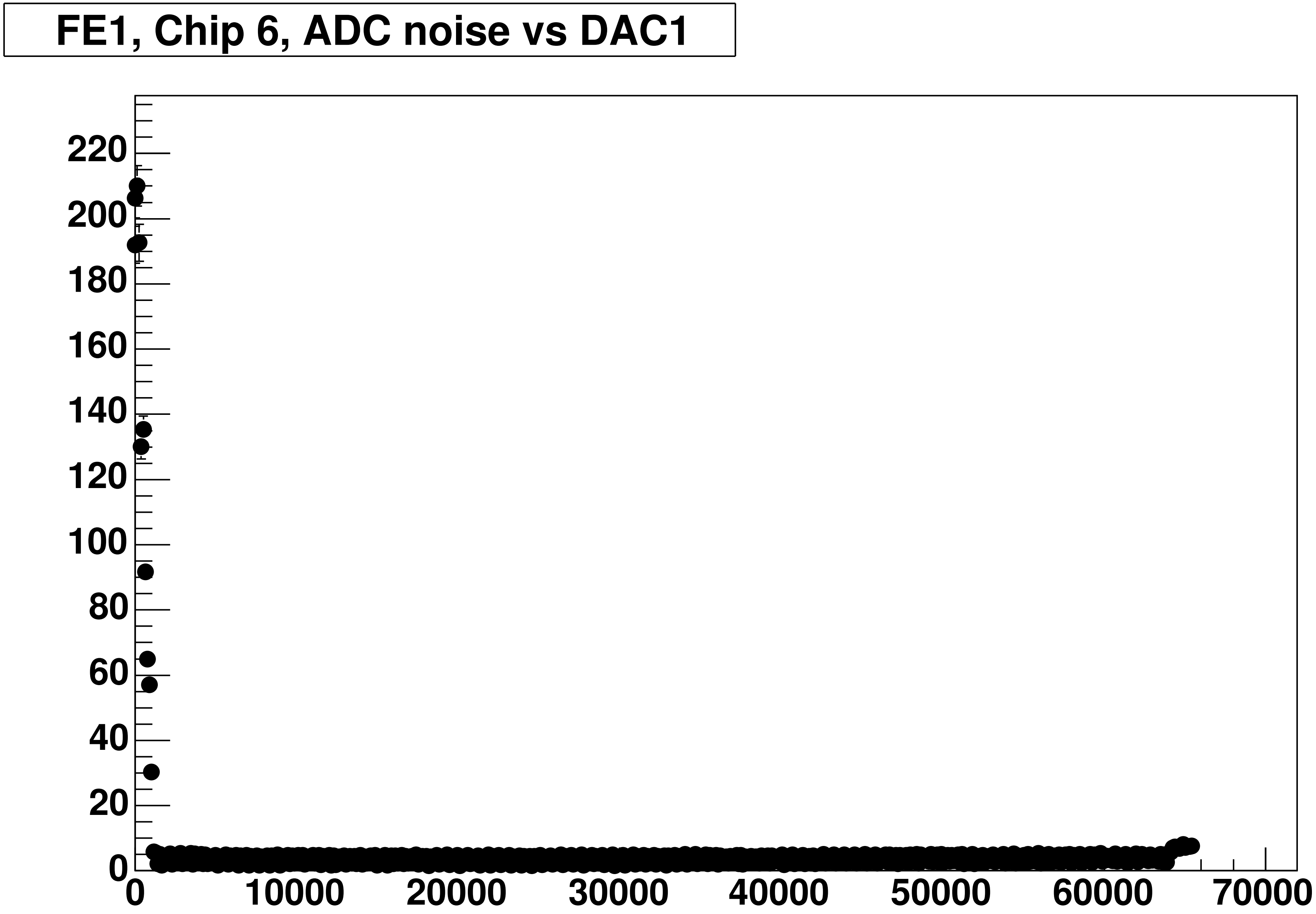


FE1, Chip 6, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

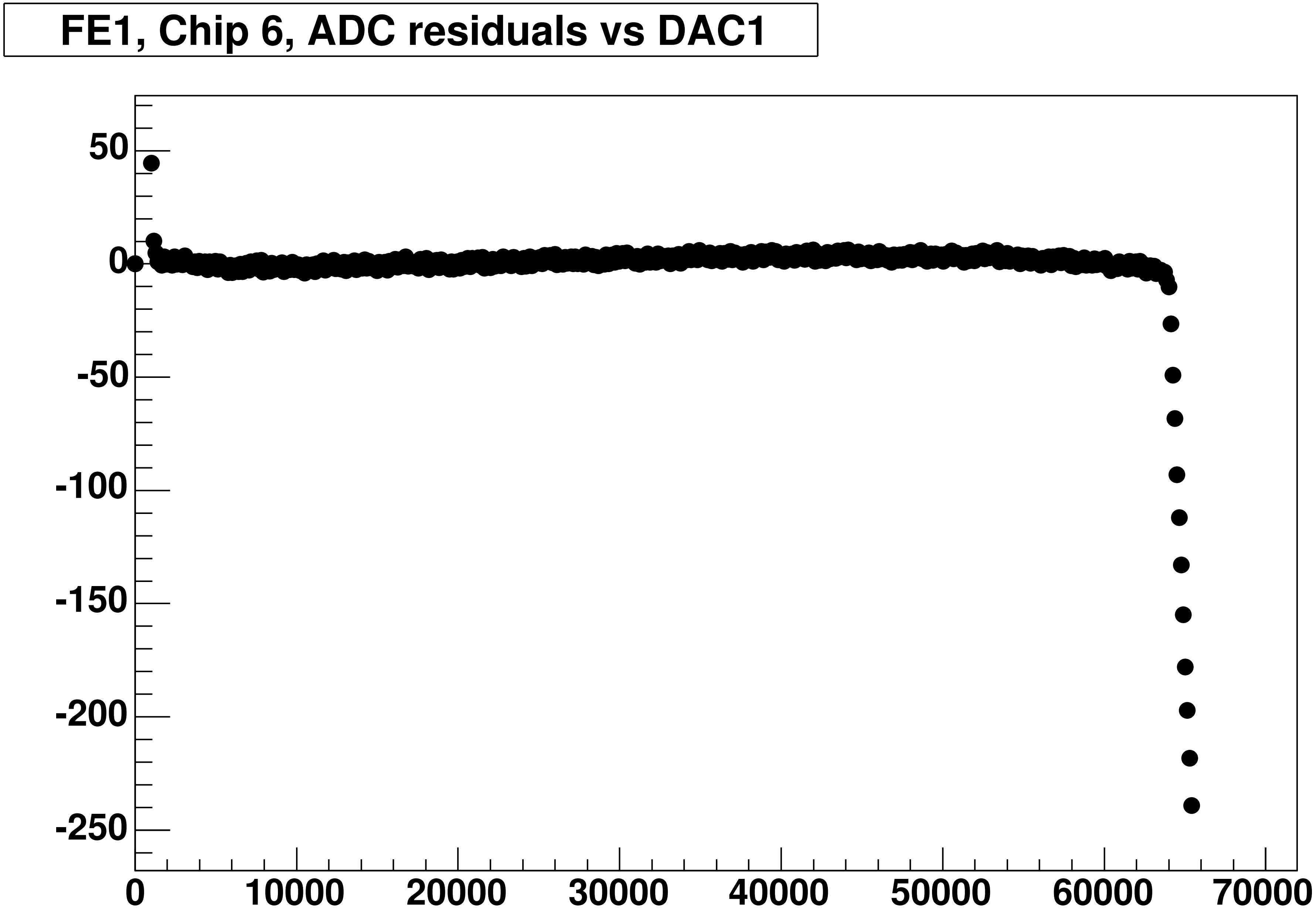

FE1, Chip 6, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
10000
20000
30000
40000
50000
60000
70000

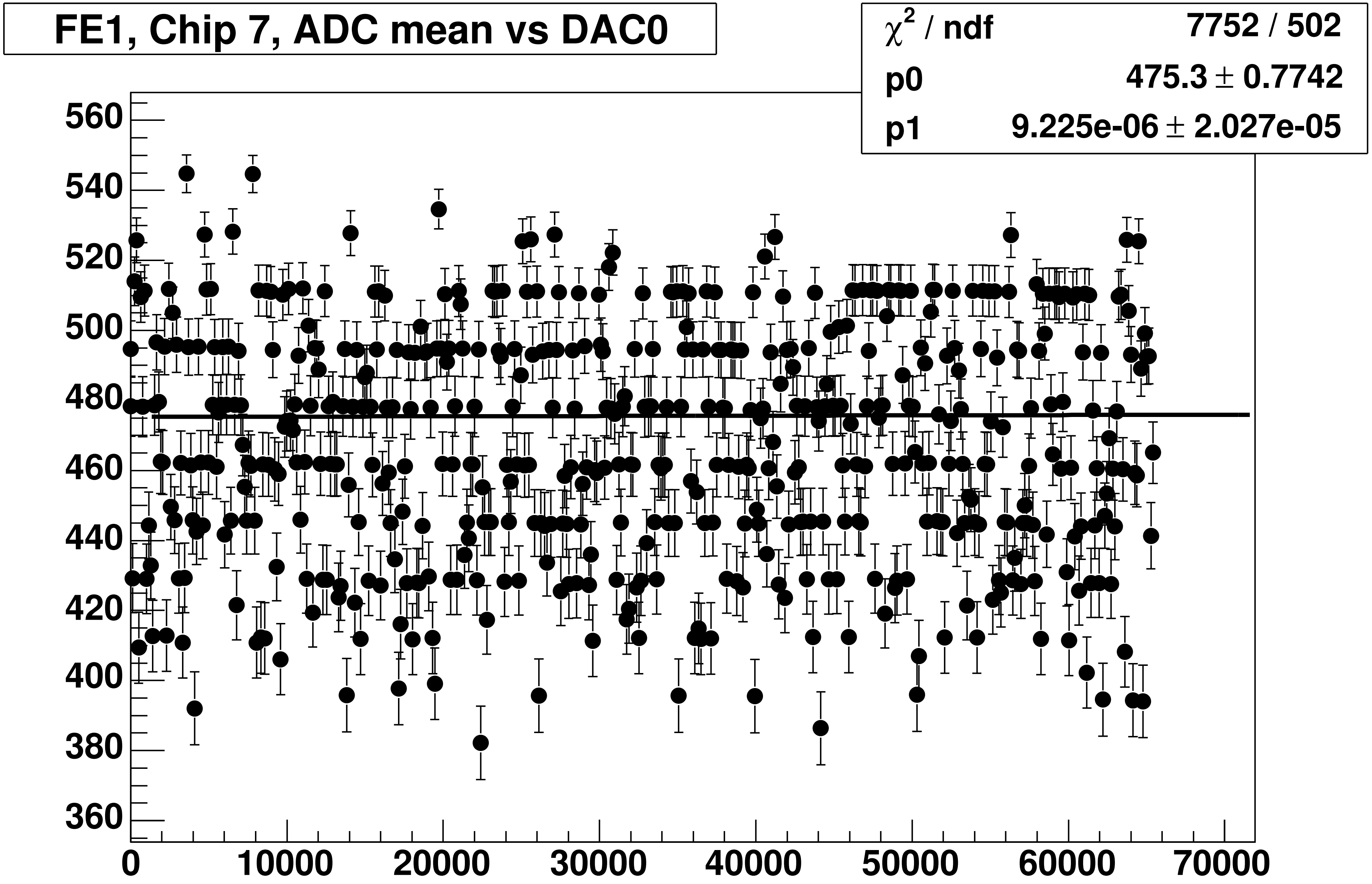


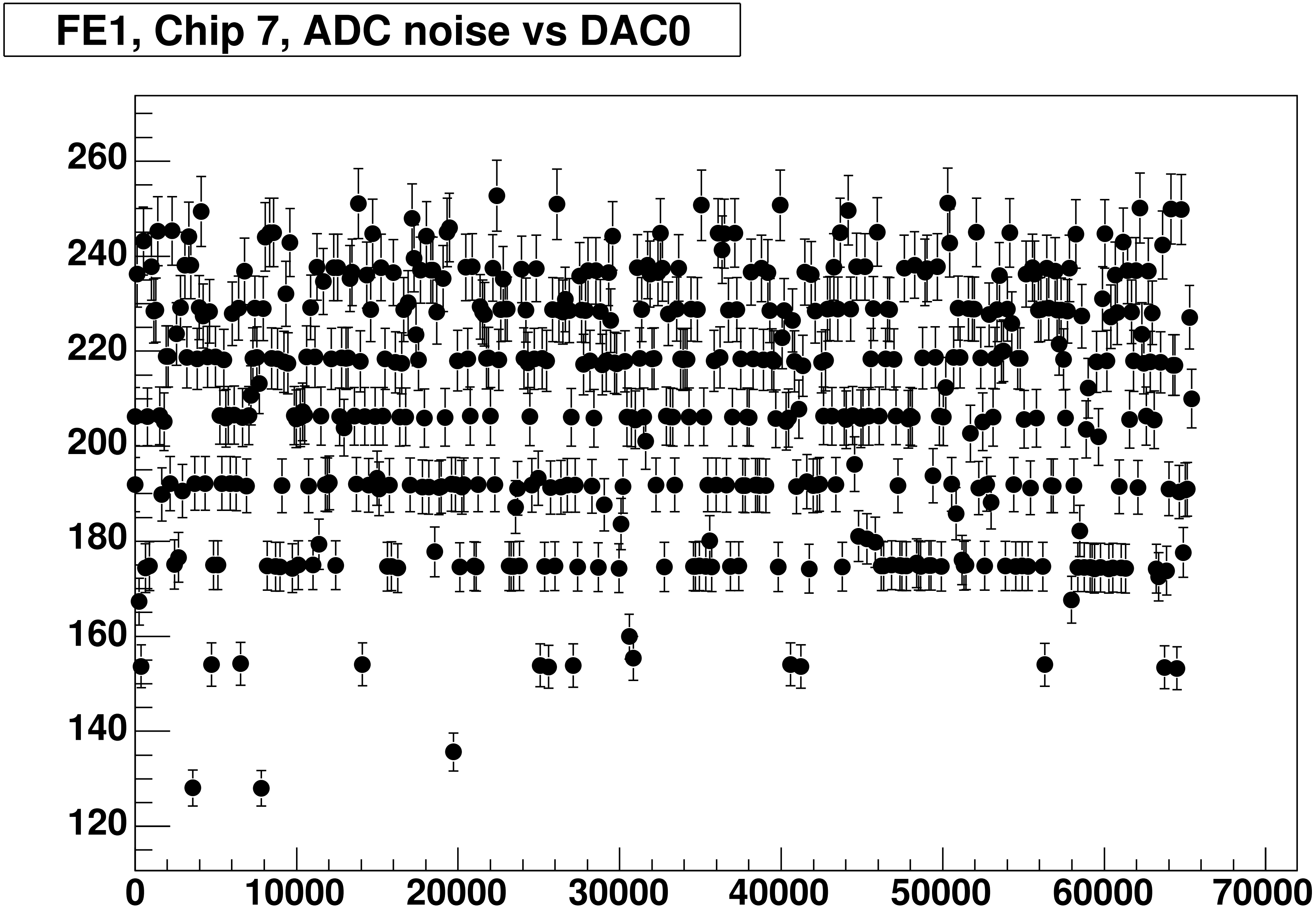
FE1, Chip 6, ADC mean vs DAC1
χ² / ndf 2.703e+06 / 502
p0 47.73 ± 0.01158
p1 0.4497 ± 3.305e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000



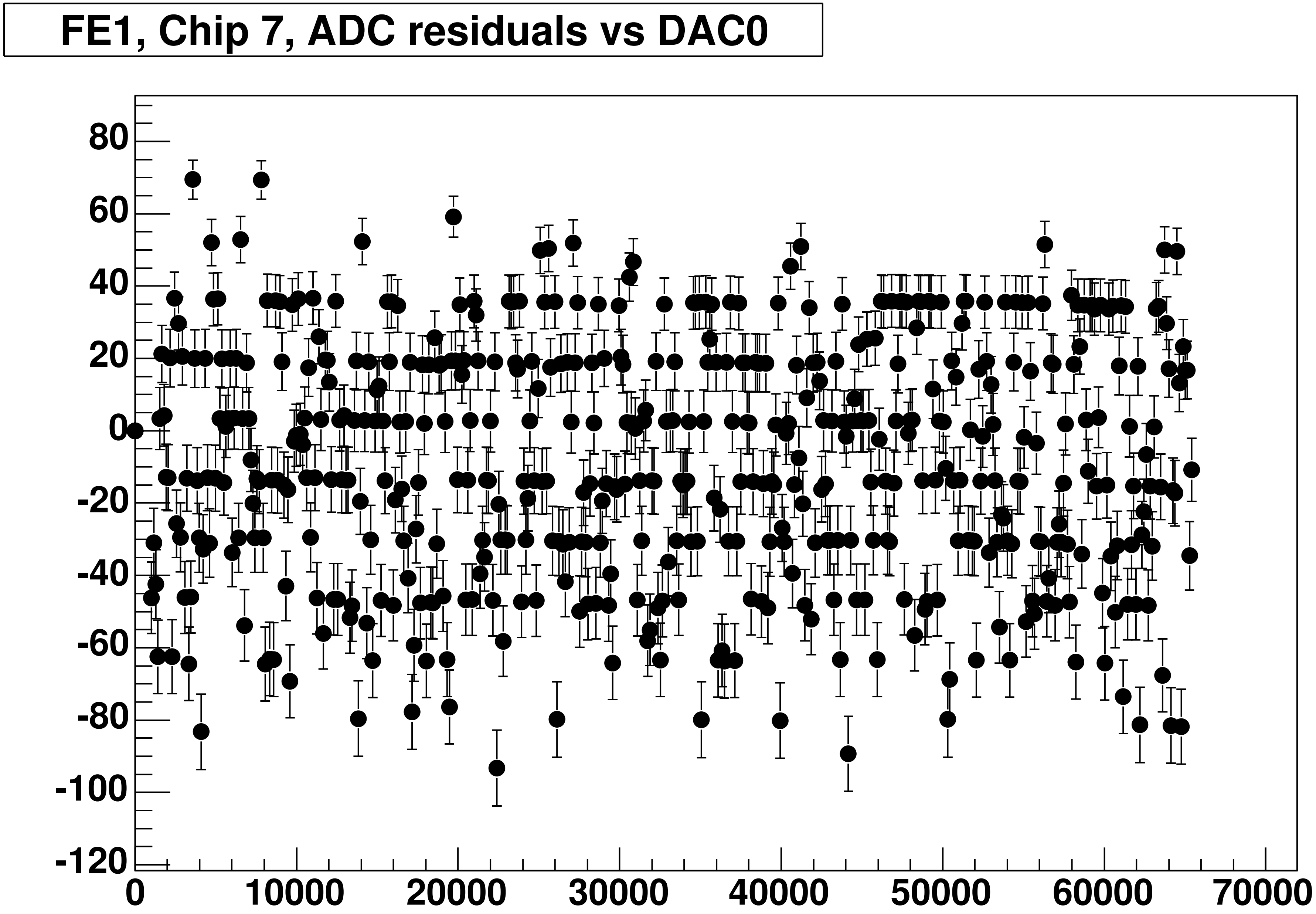
FE1, Chip 6, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
0
10000
20000
30000
40000
50000
60000
70000

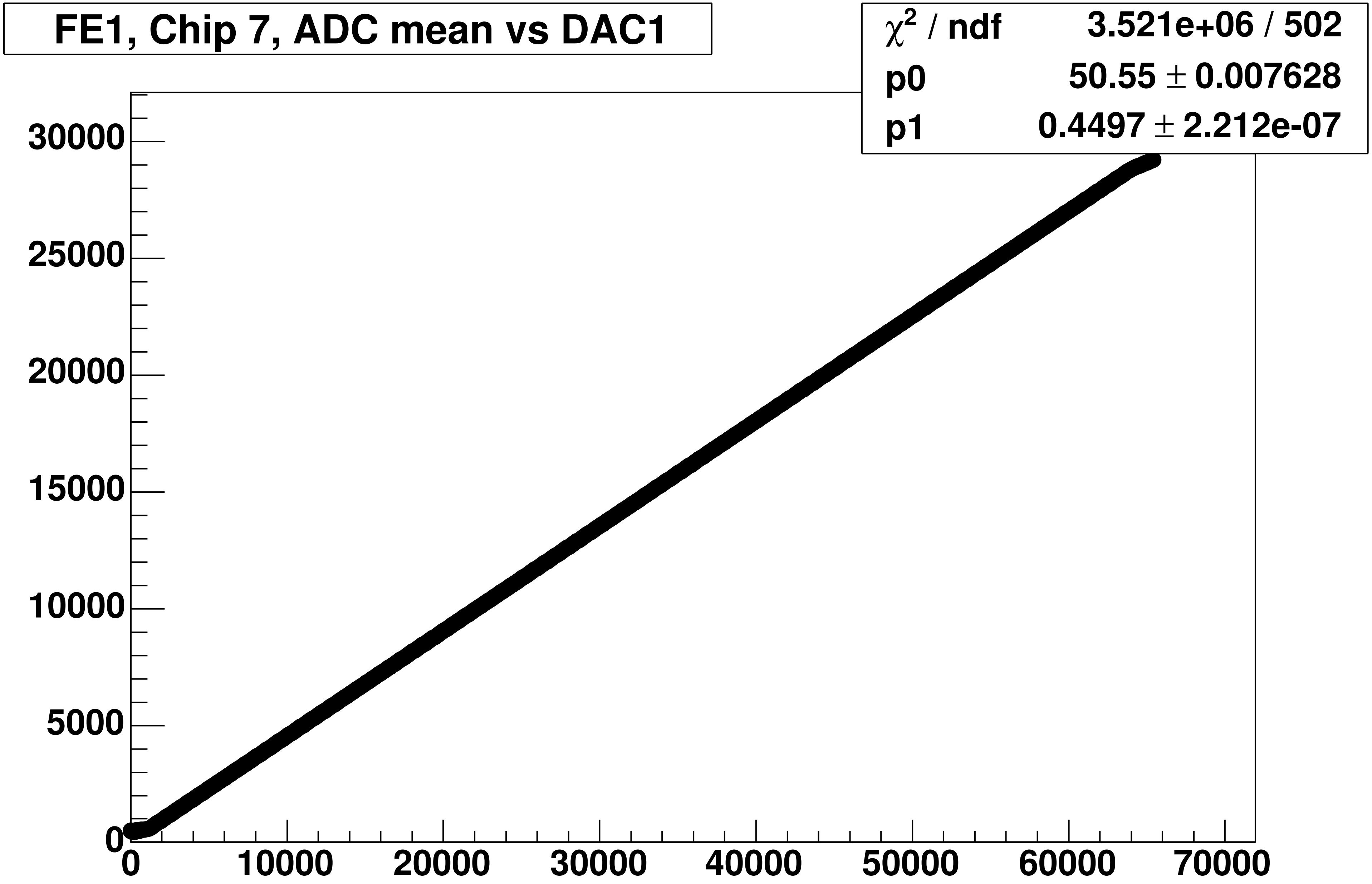

FE1, Chip 6, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7752 / 502
p0 475.3 ± 0.7742
p1 9.225e-06 ± 2.027e-05
560
540
520
500
480
460
440
420
400
380
360
0
10000
20000
30000
40000
50000
60000
70000

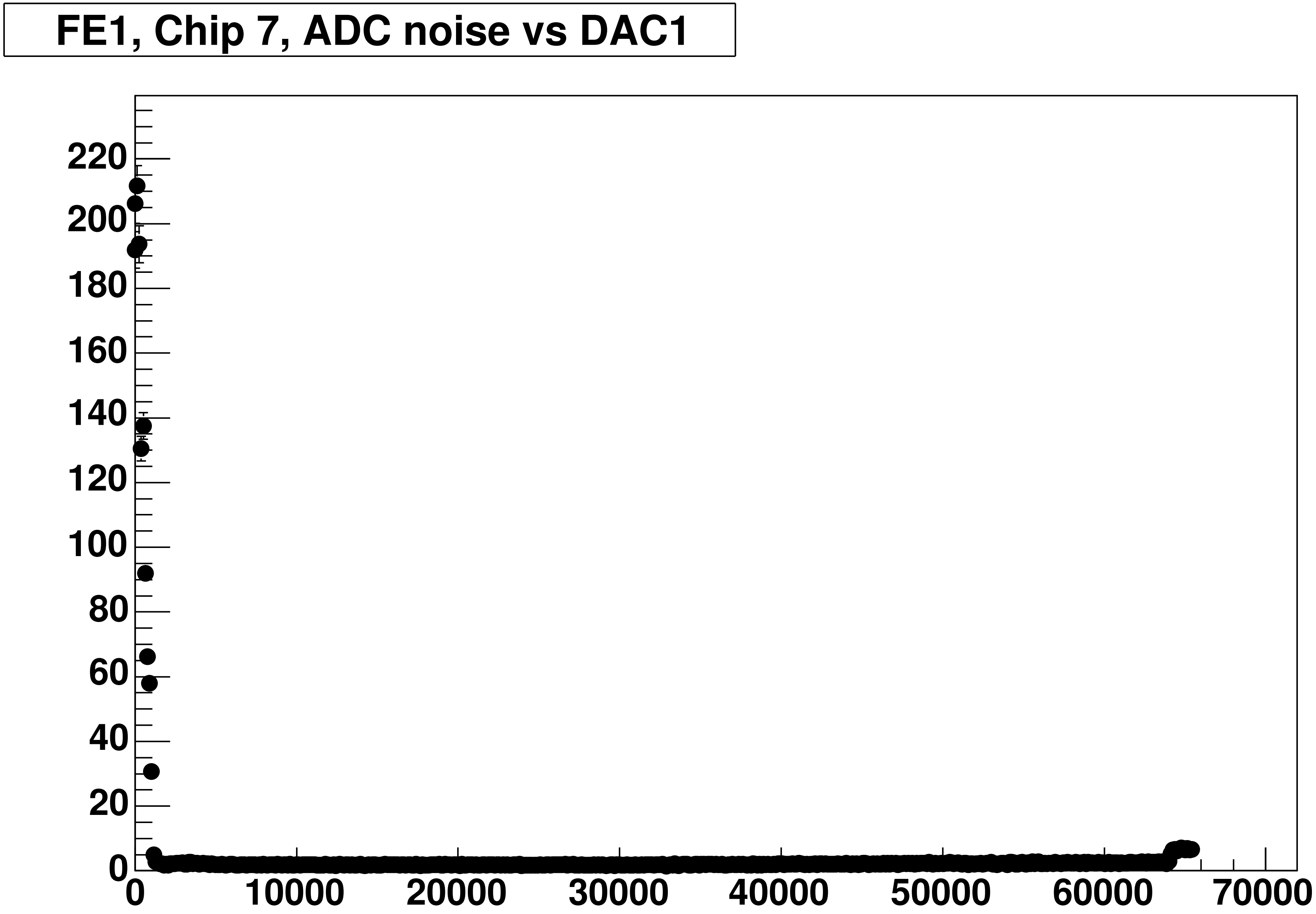


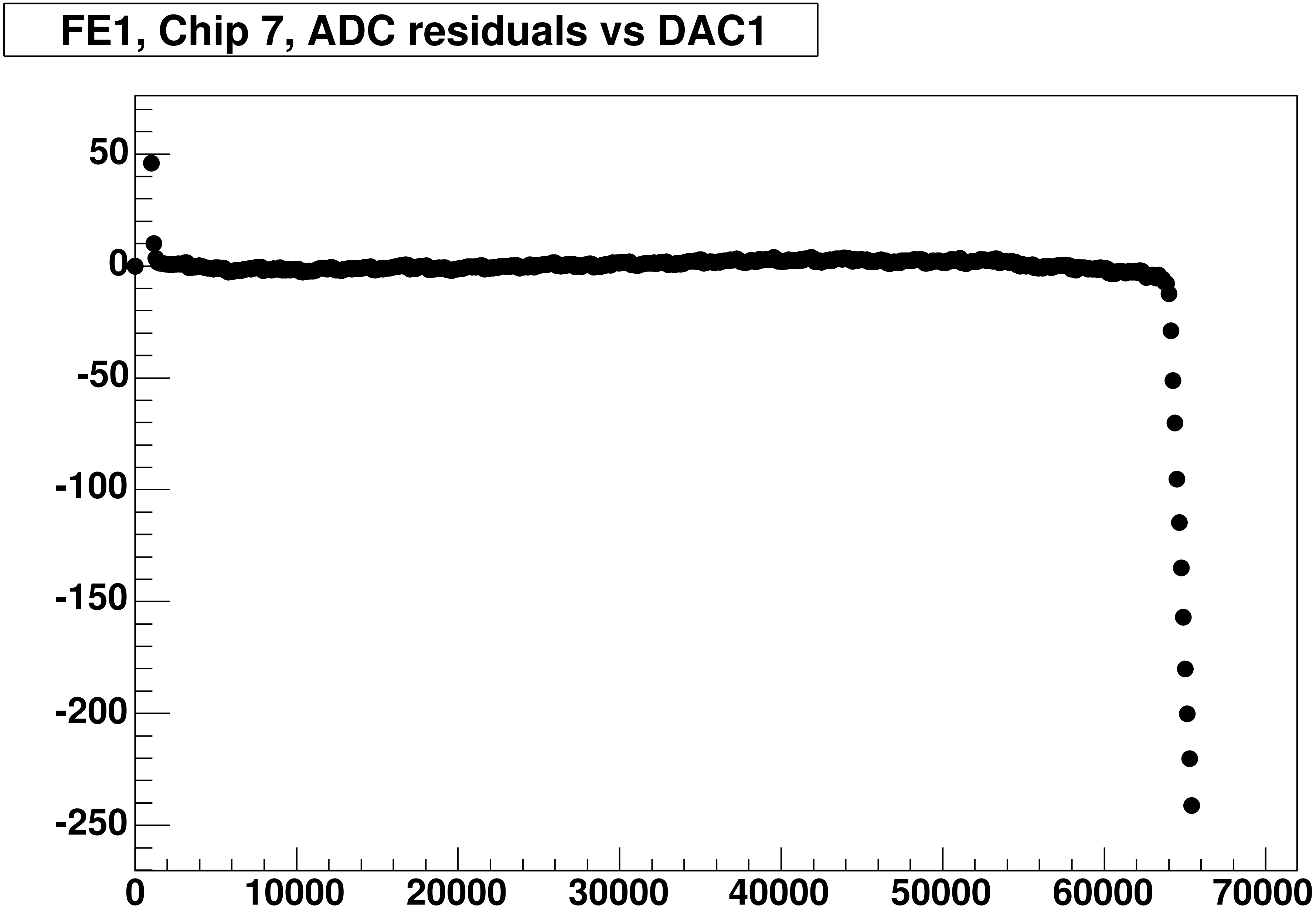
FE1, Chip 7, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

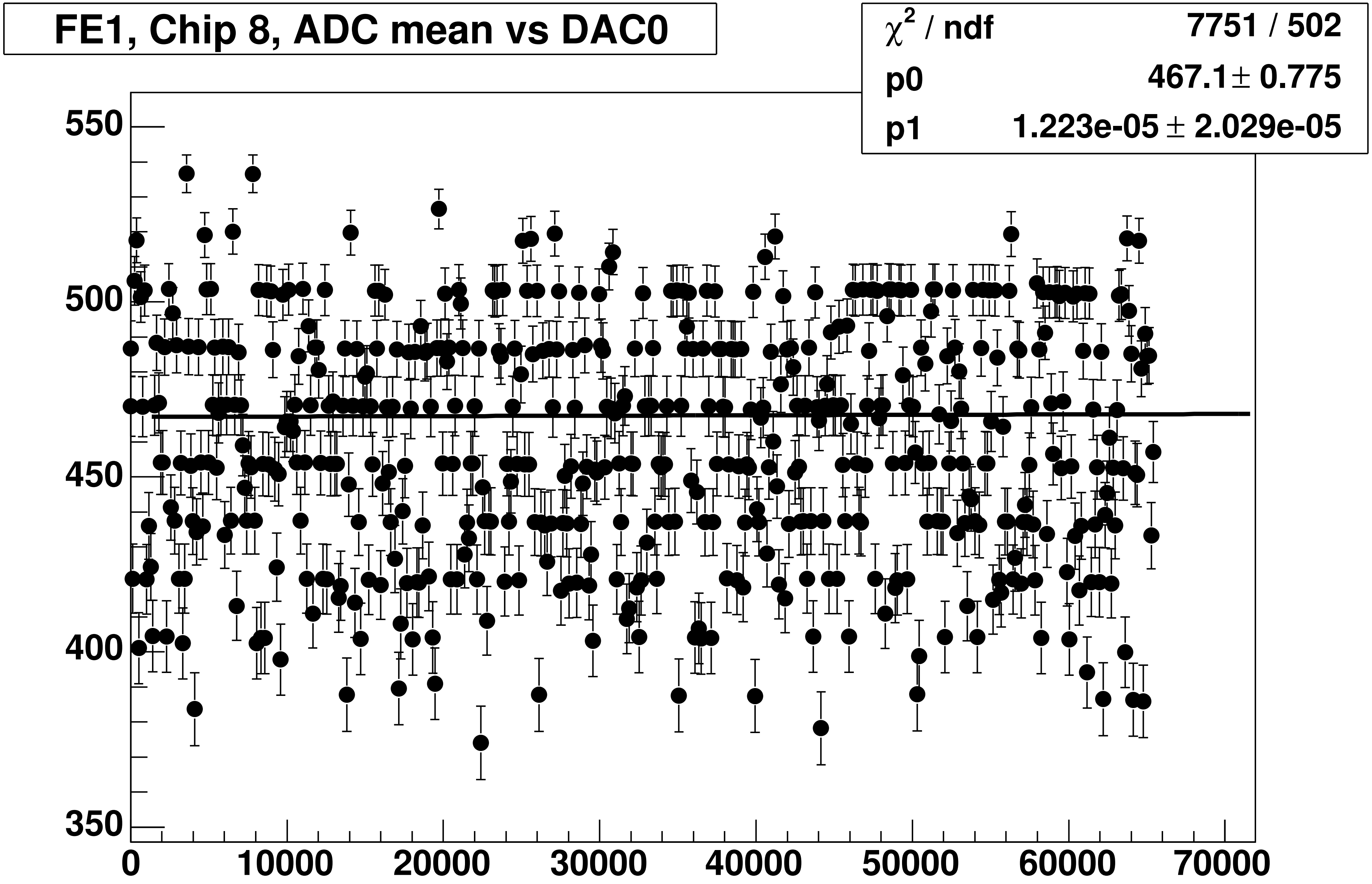

FE1, Chip 7, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
10000
20000
30000
40000
50000
60000
70000



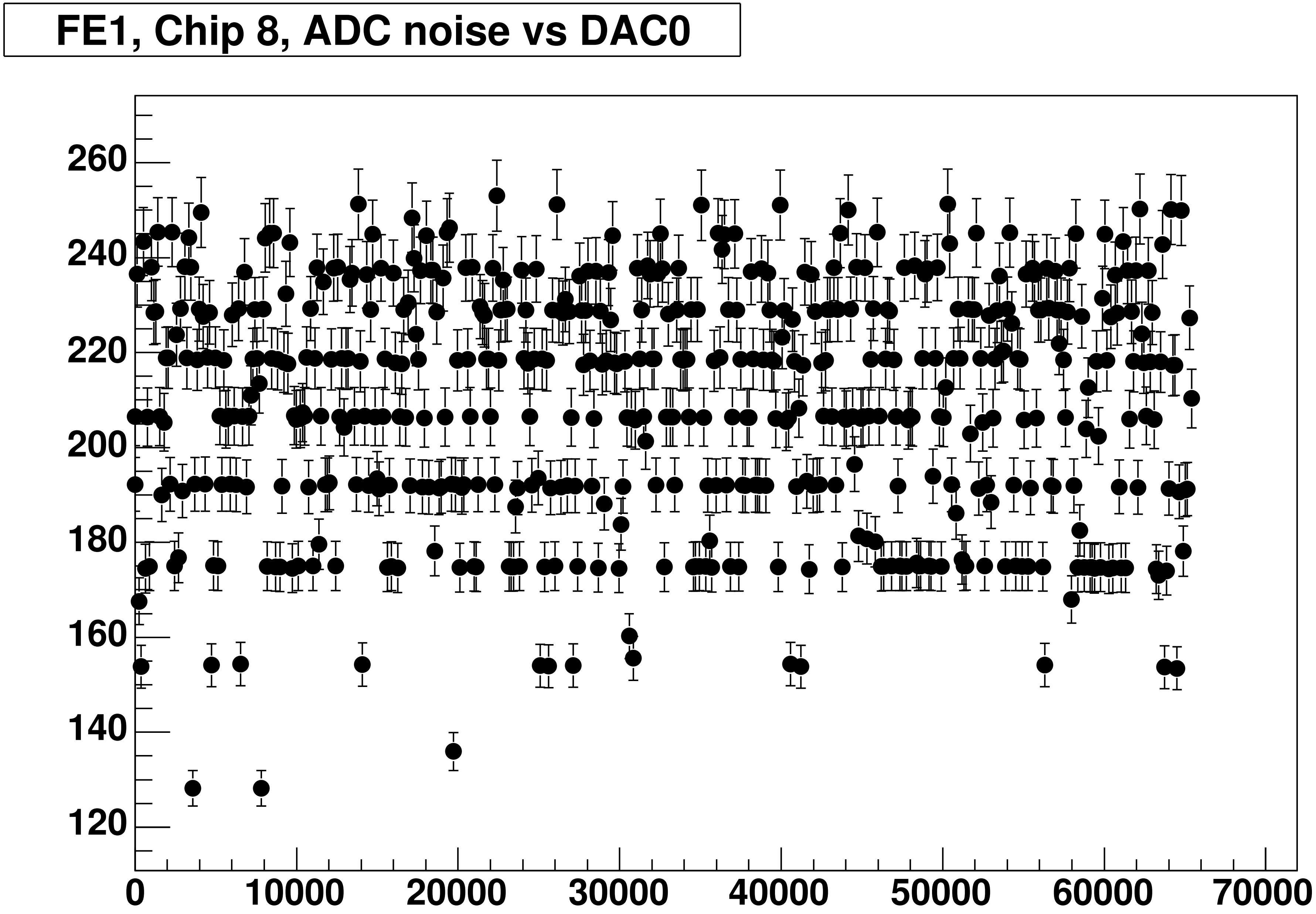
FE1, Chip 7, ADC mean vs DAC1
χ^2 / ndf 3.521e+06 / 502
p0 50.55 ± 0.007628
p1 0.4497 ± 2.212e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

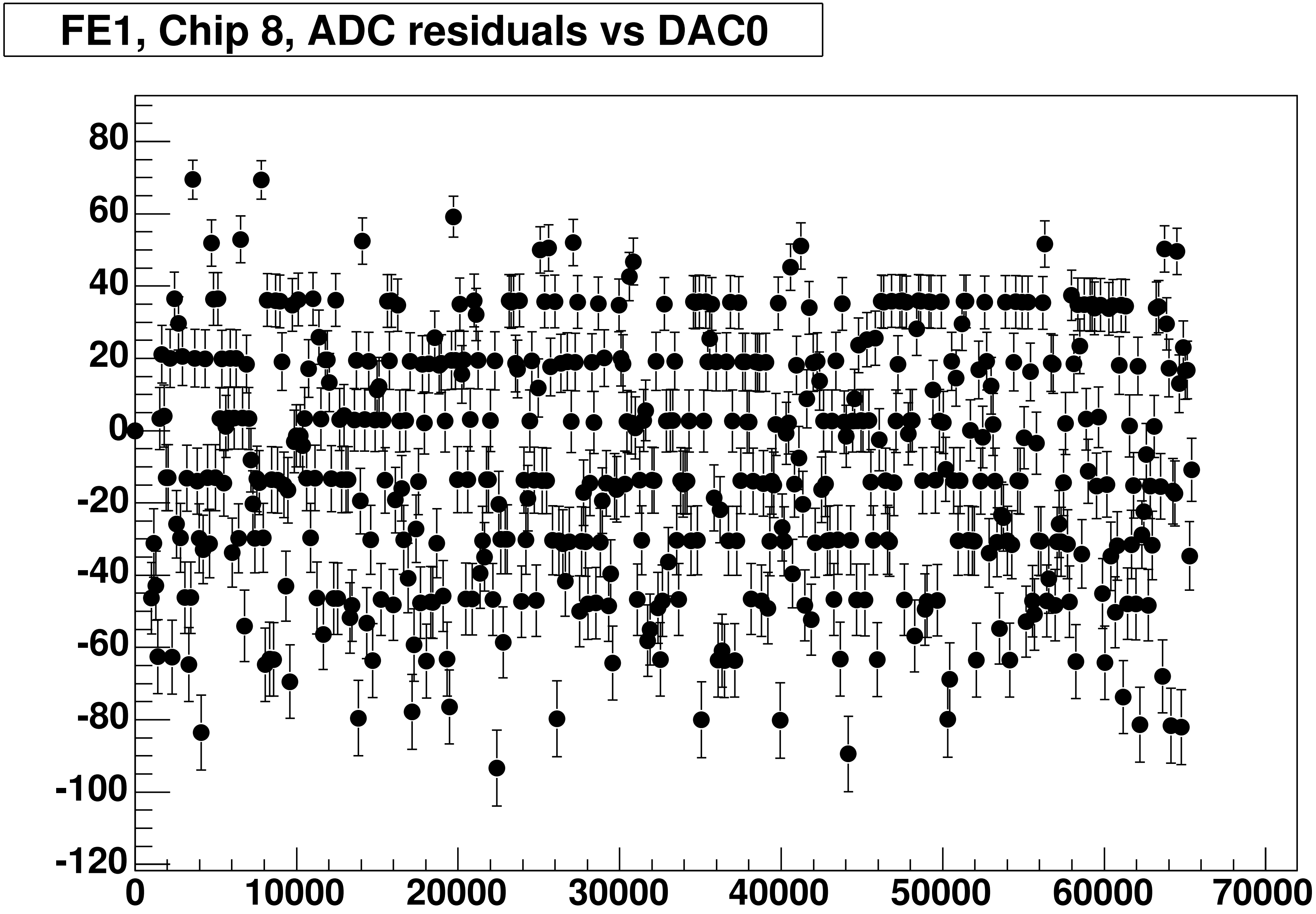

FE1, Chip 7, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 7, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
0
10000
20000
30000
40000
50000
60000
70000

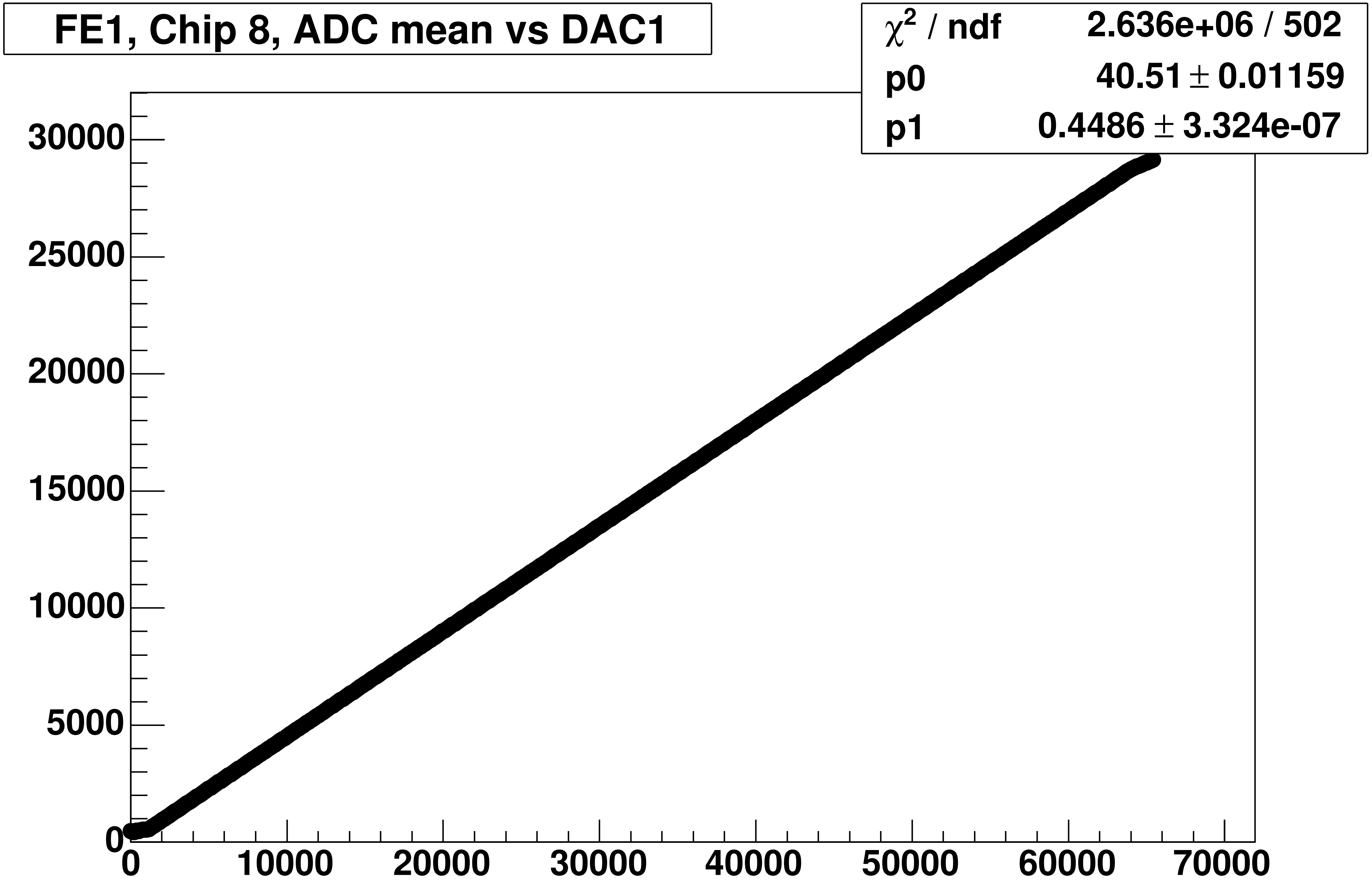


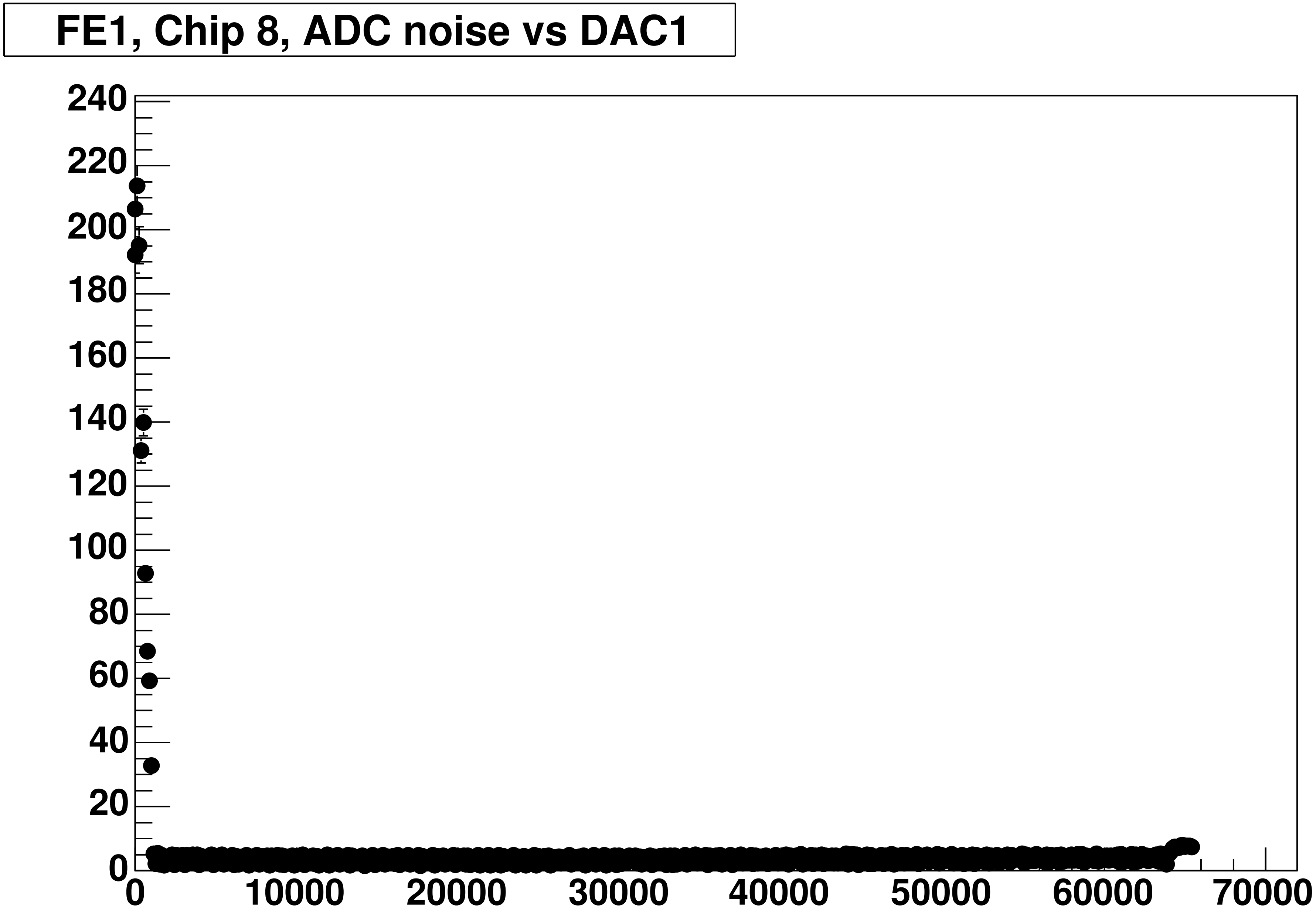
FE1, Chip 8, ADC mean vs DAC0
χ2 / ndf 7751 / 502
p0 467.1 ± 0.775
p1 1.223e-05 ± 2.029e-05
550
500
450
400
350
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 8, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

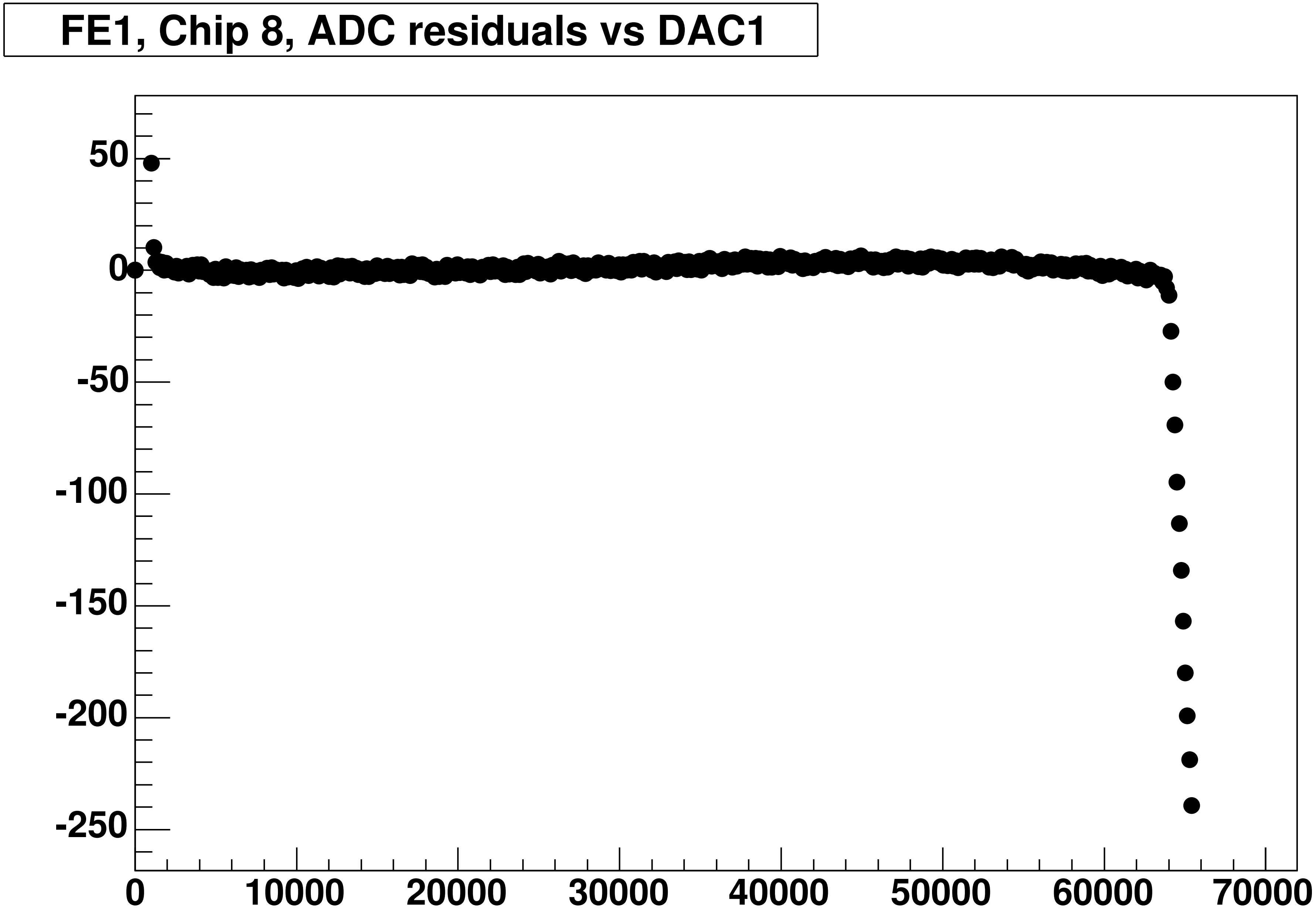


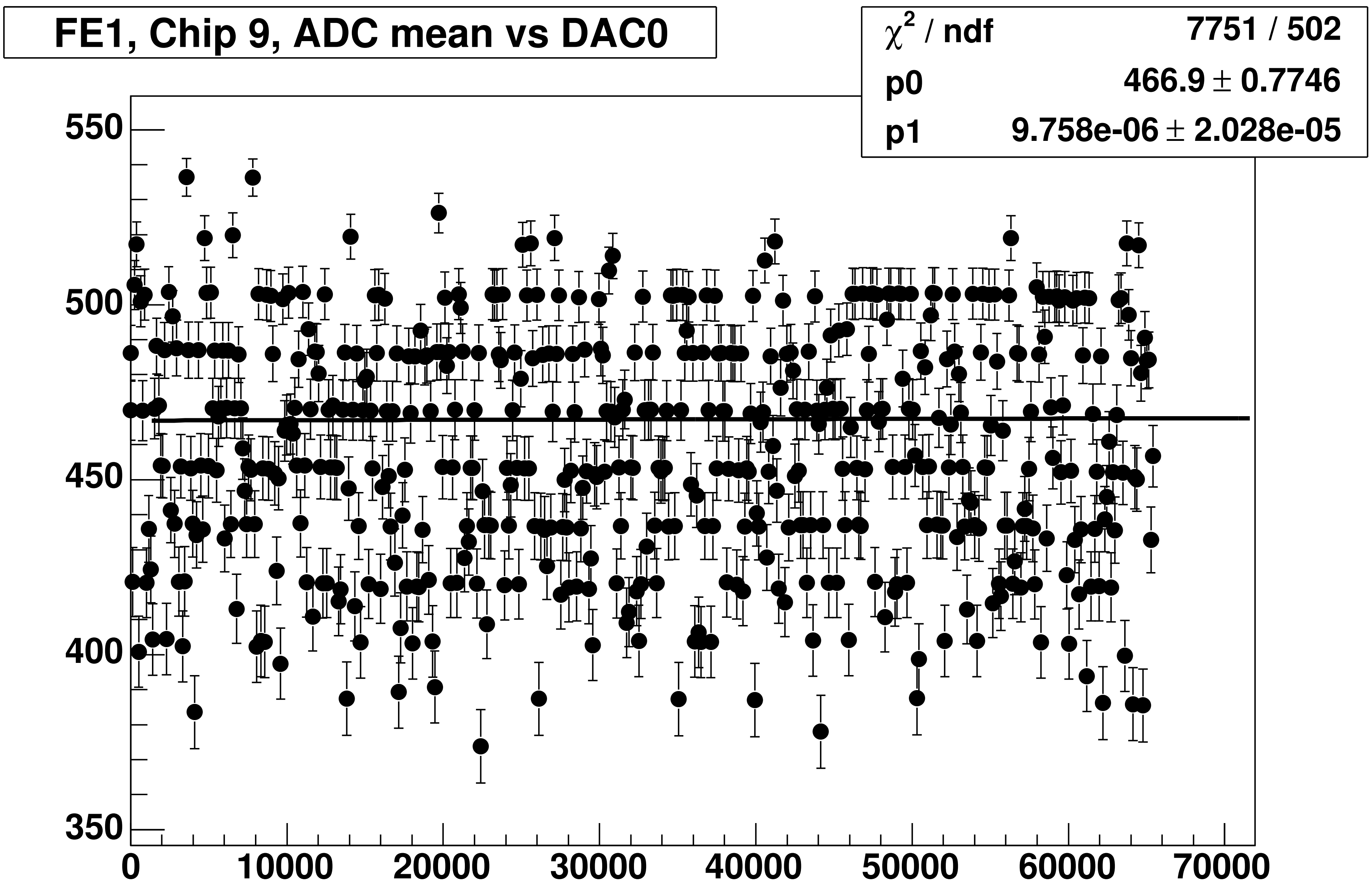
FE1, Chip 8, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
10000
20000
30000
40000
50000
60000
70000

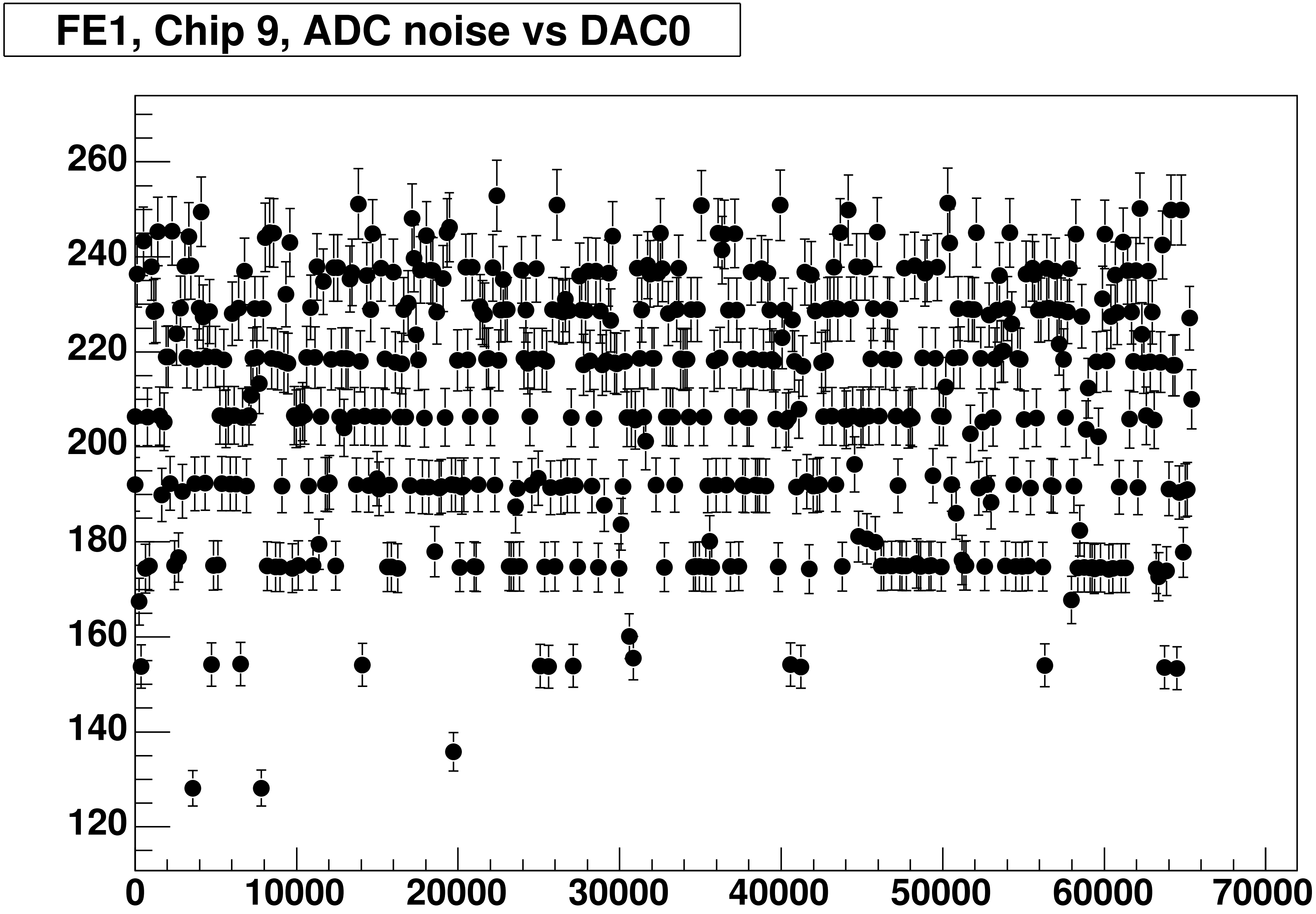

FE1, Chip 8, ADC mean vs DAC1
χ^2 / ndf 2.636e+06 / 502
p0 40.51 ± 0.01159
p1 0.4486 ± 3.324e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

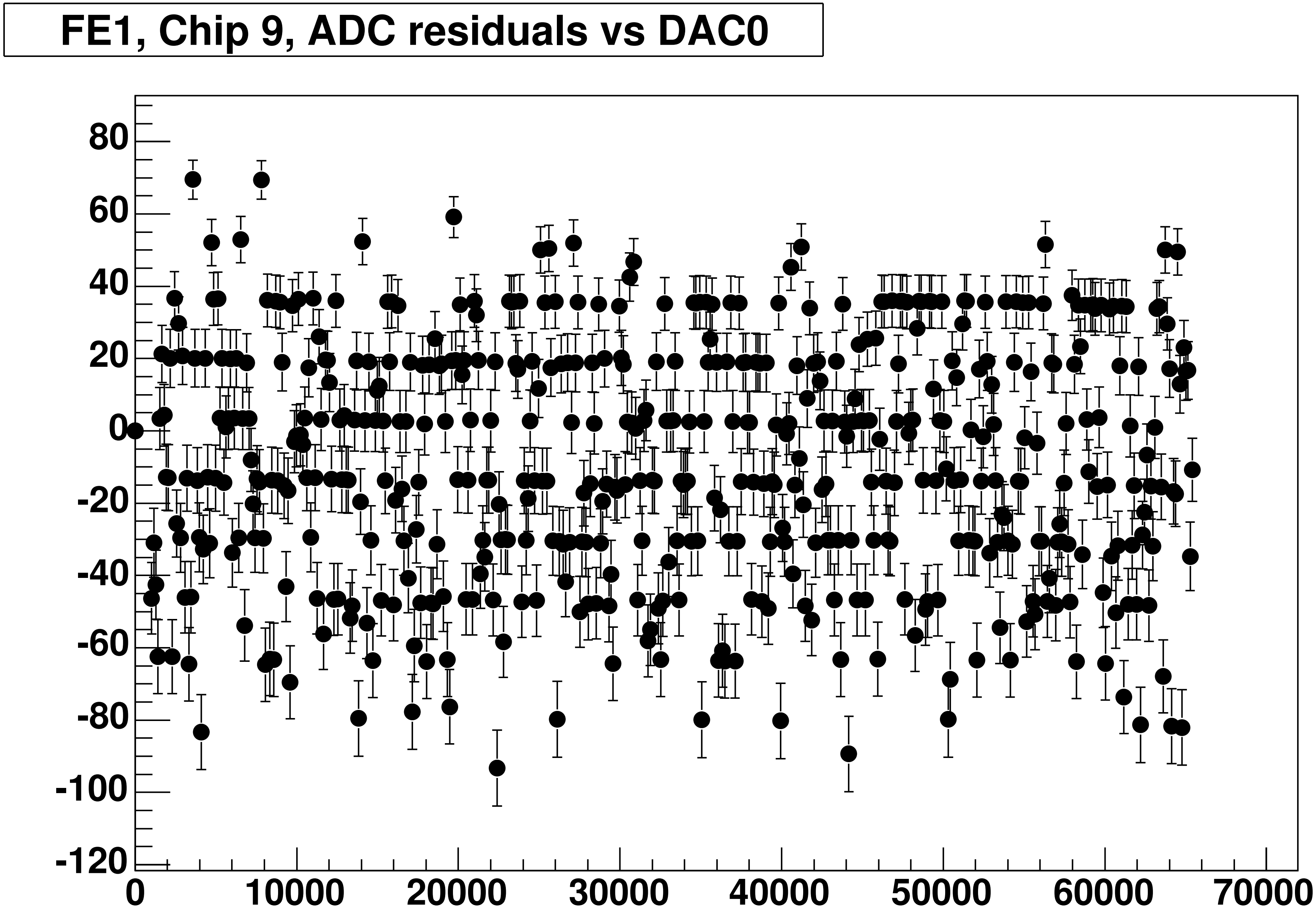


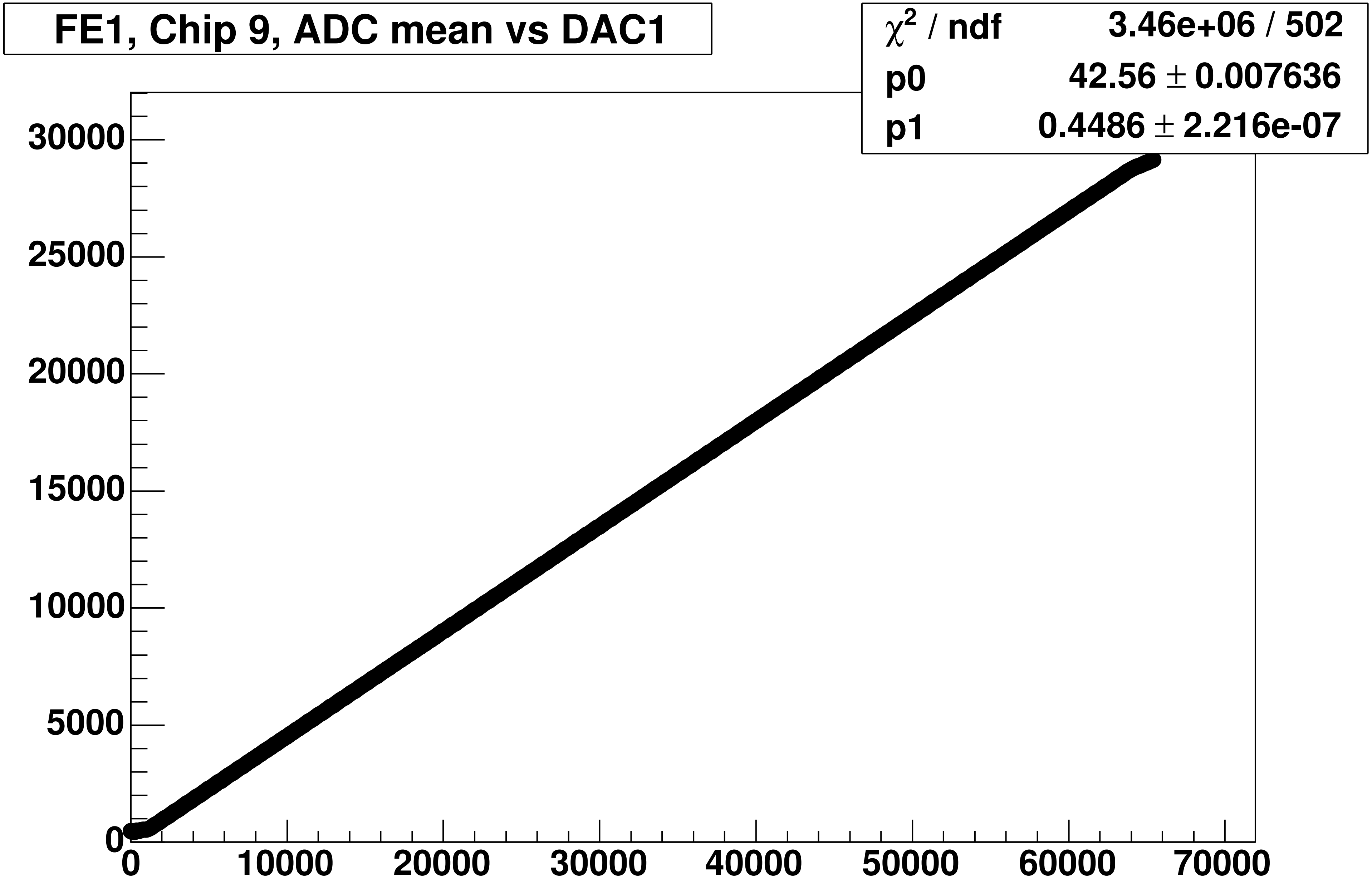
FE1, Chip 8, ADC noise vs DAC1
240
220
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

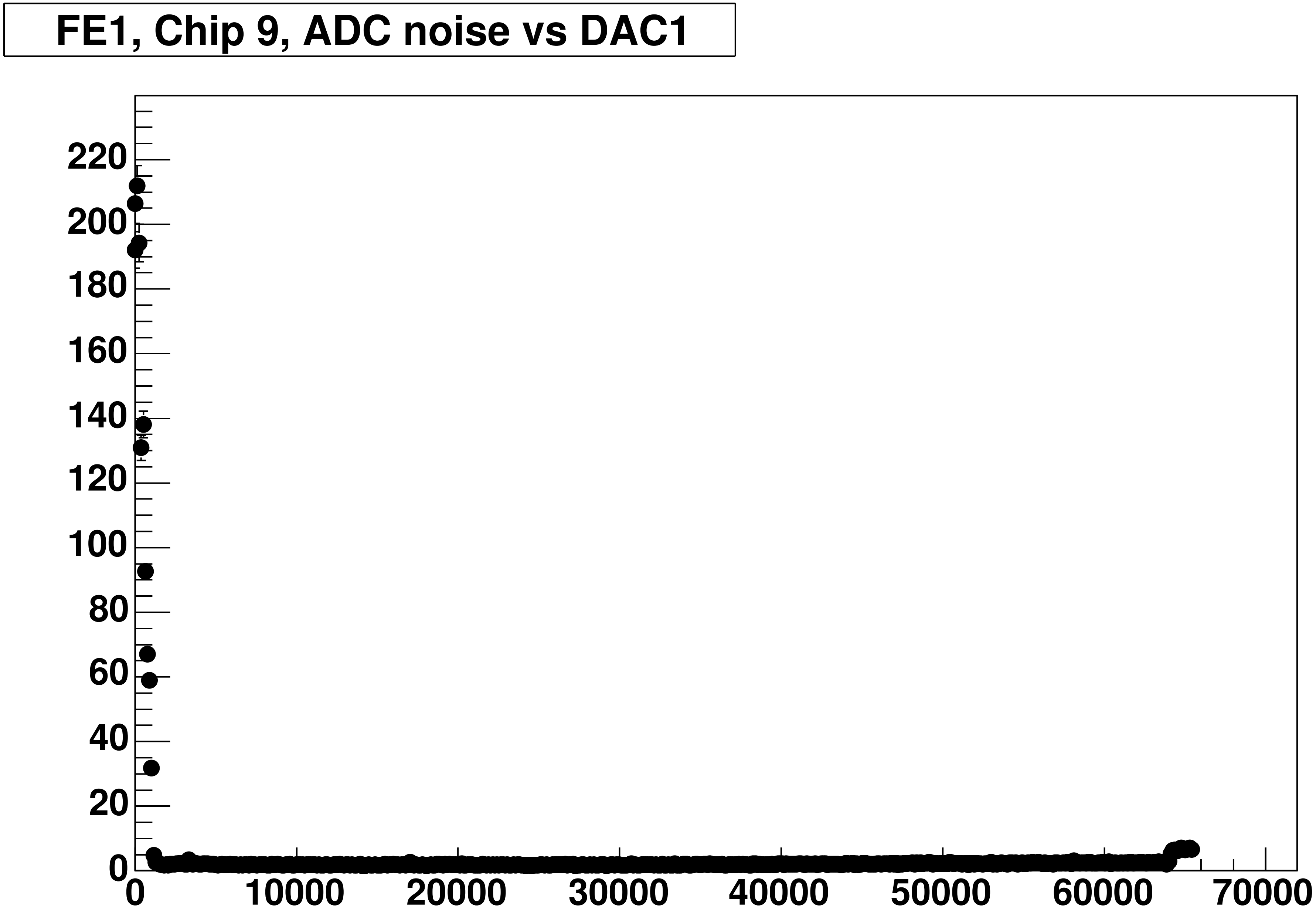

FE1, Chip 8, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
0
10000
20000
30000
40000
50000
60000
70000

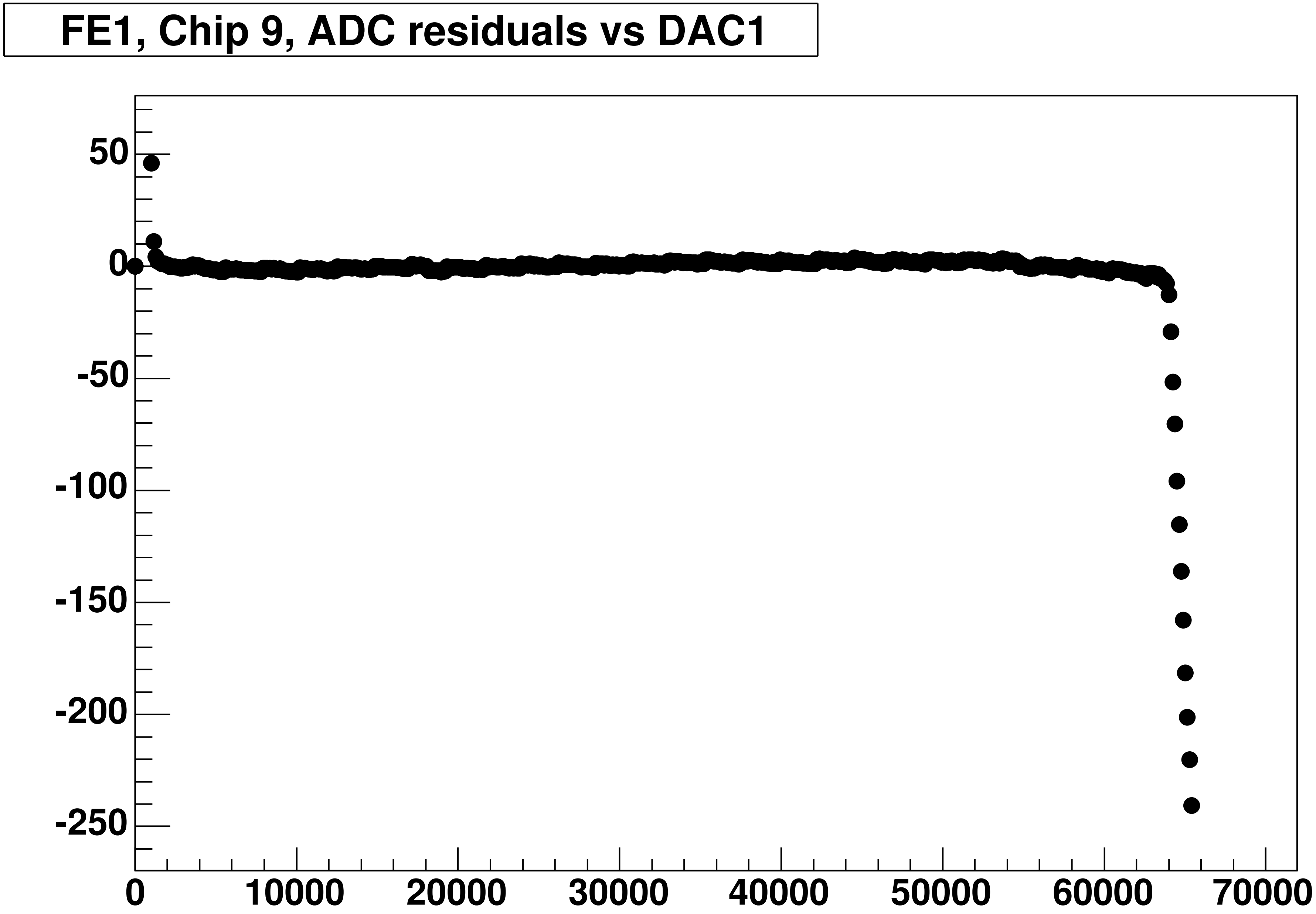

FE1, Chip 9, ADC mean vs DAC0
χ^2 / ndf 7751 / 502
p0 466.9 ± 0.7746
p1 9.758e-06 ± 2.028e-05
550
500
450
400
350
0
10000
20000
30000
40000
50000
60000
70000

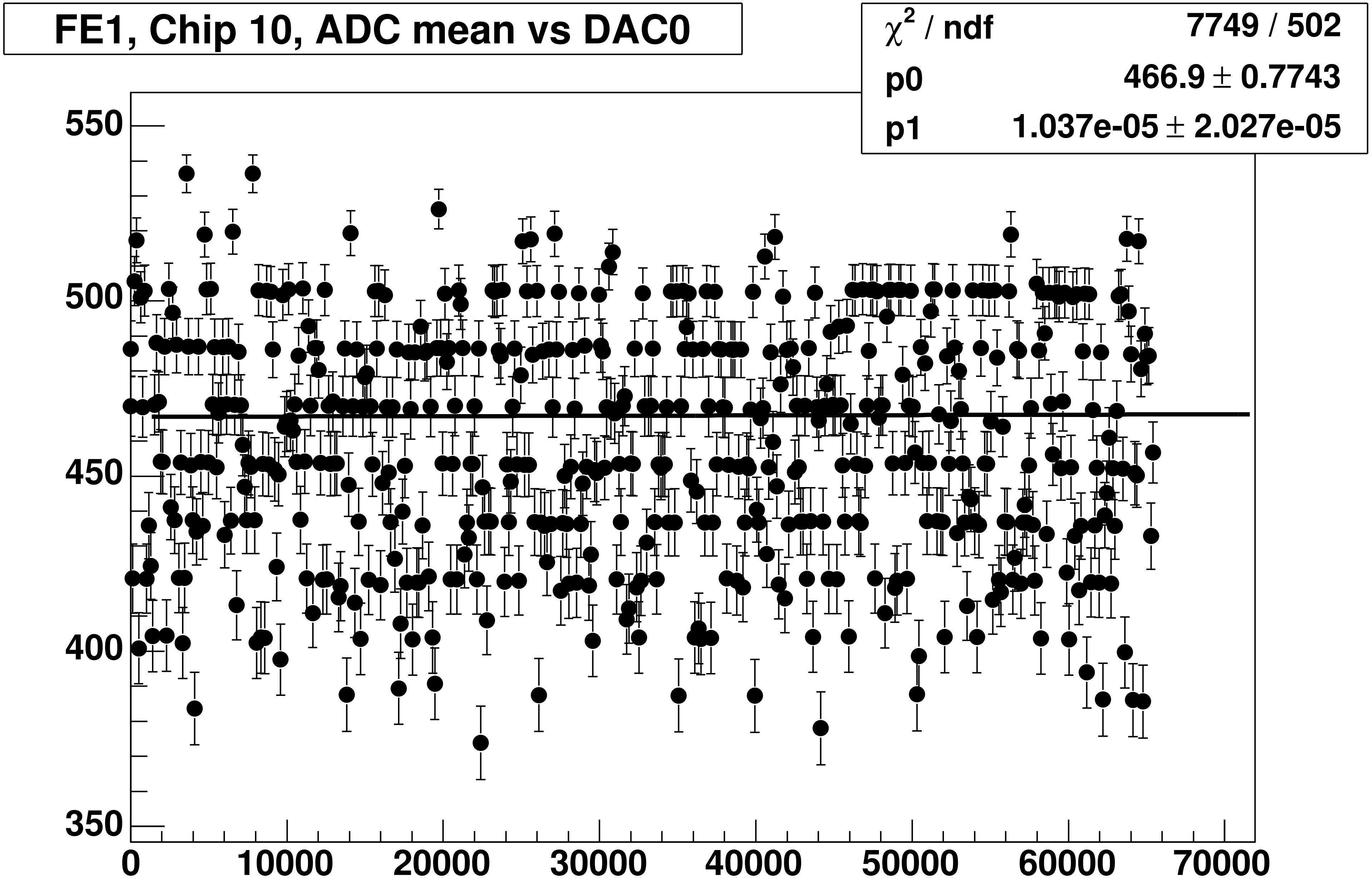

FE1, Chip 9, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 9, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
10000
20000
30000
40000
50000
60000
70000

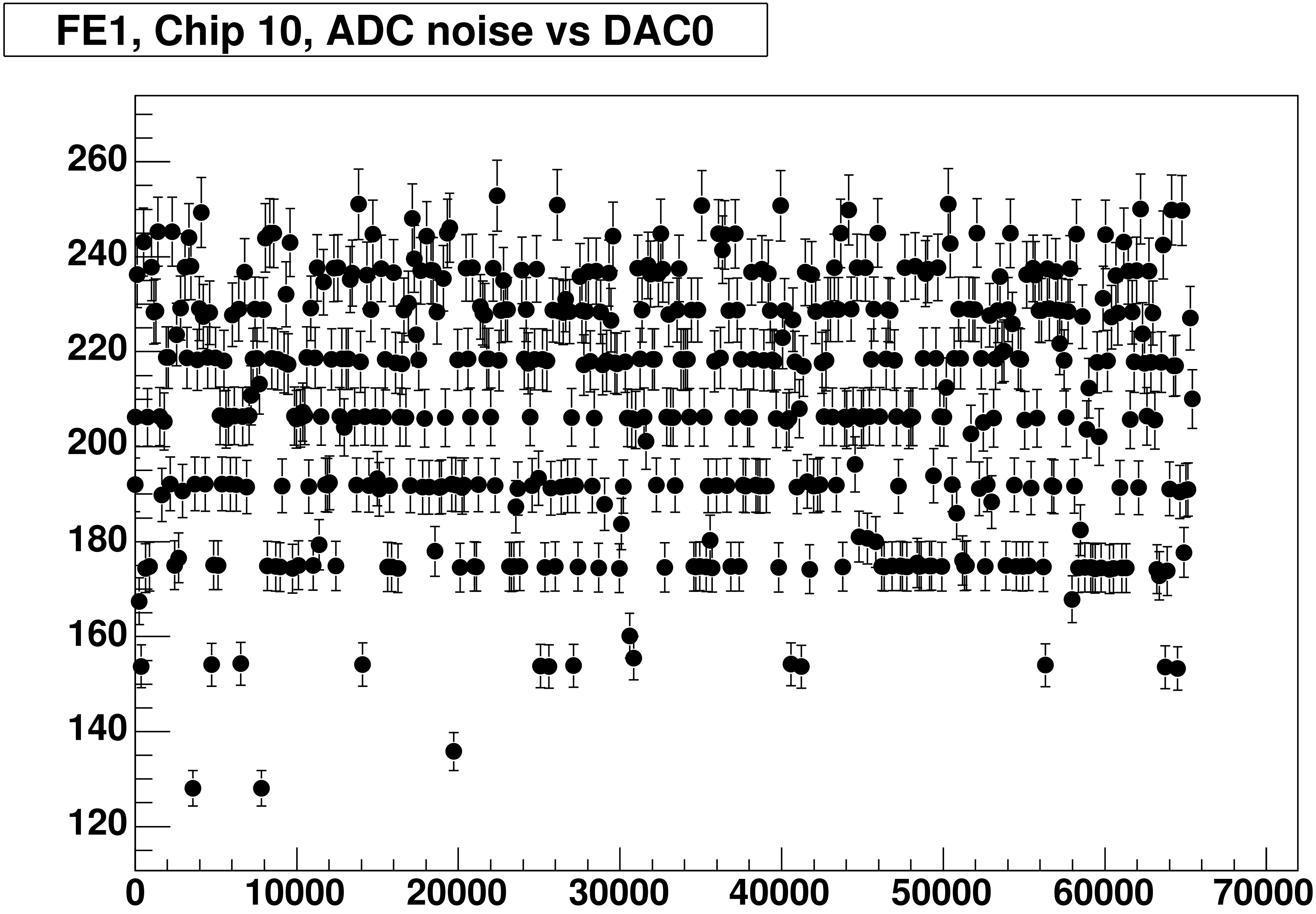

FE1, Chip 9, ADC mean vs DAC1
χ2 / ndf 3.46e+06 / 502
p0 42.56 ± 0.007636
p1 0.4486 ± 2.216e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

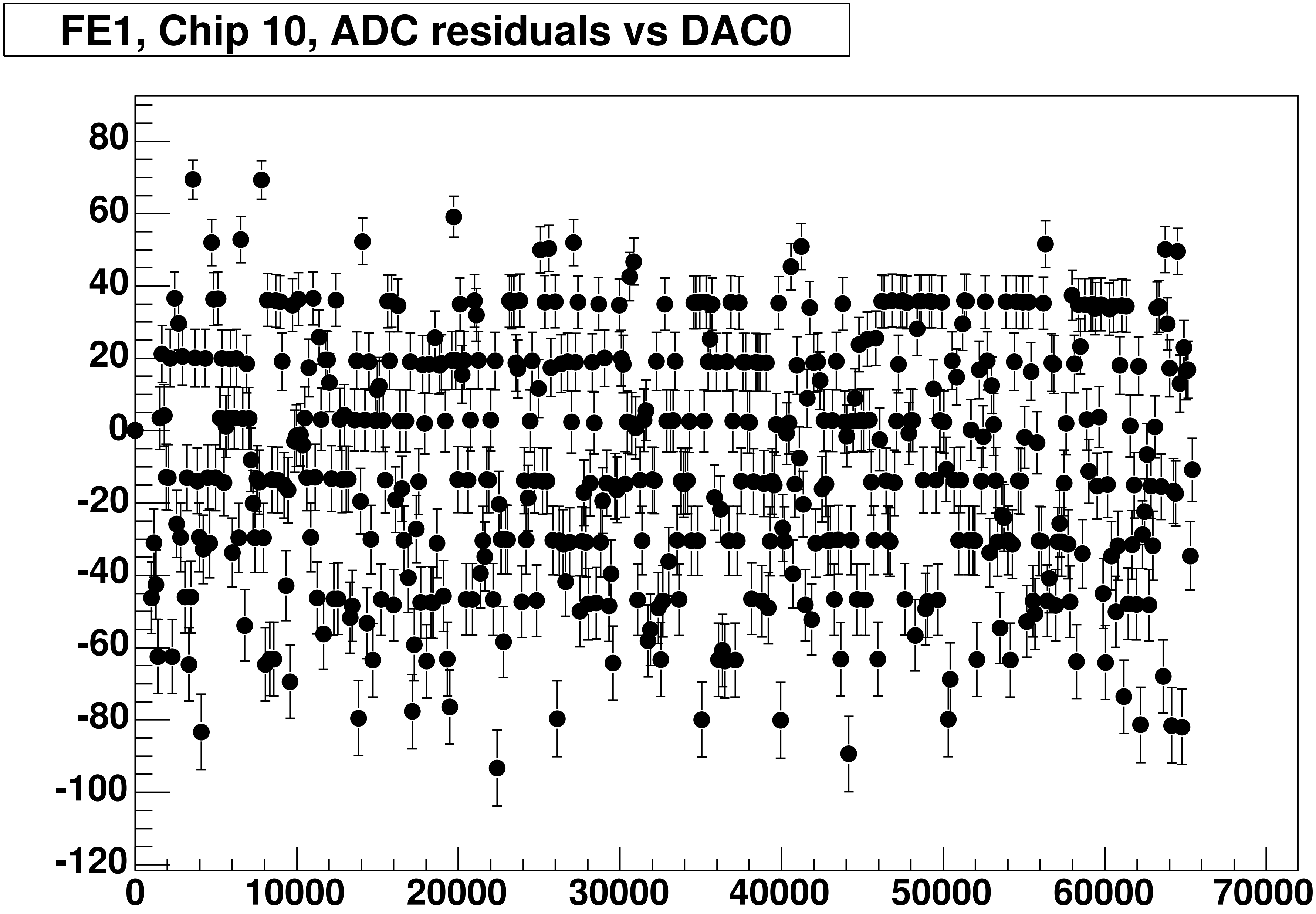

FE1, Chip 9, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
0
10000
20000
30000
40000
50000
60000
70000

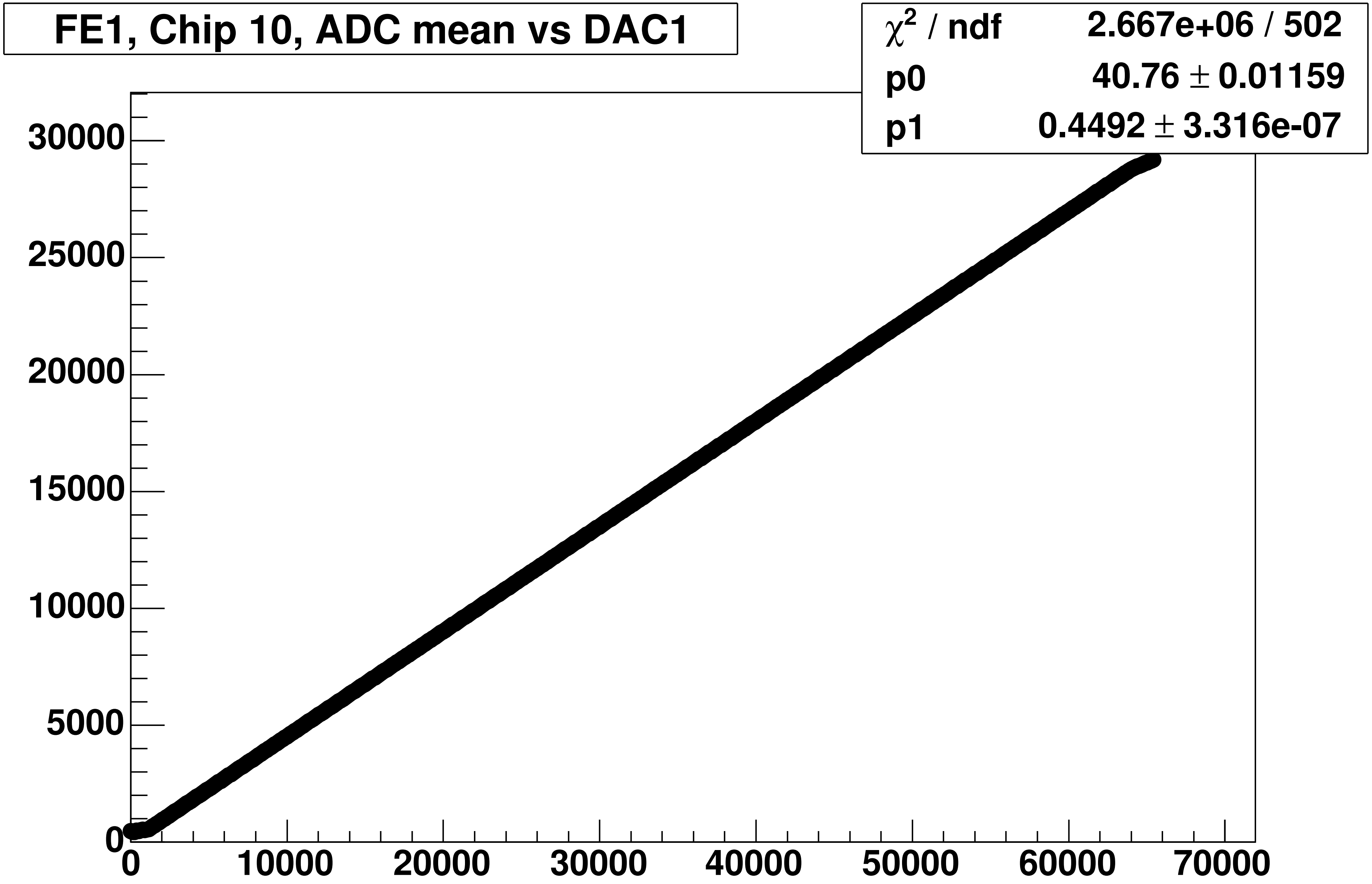

FE1, Chip 9, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
0
10000
20000
30000
40000
50000
60000
70000



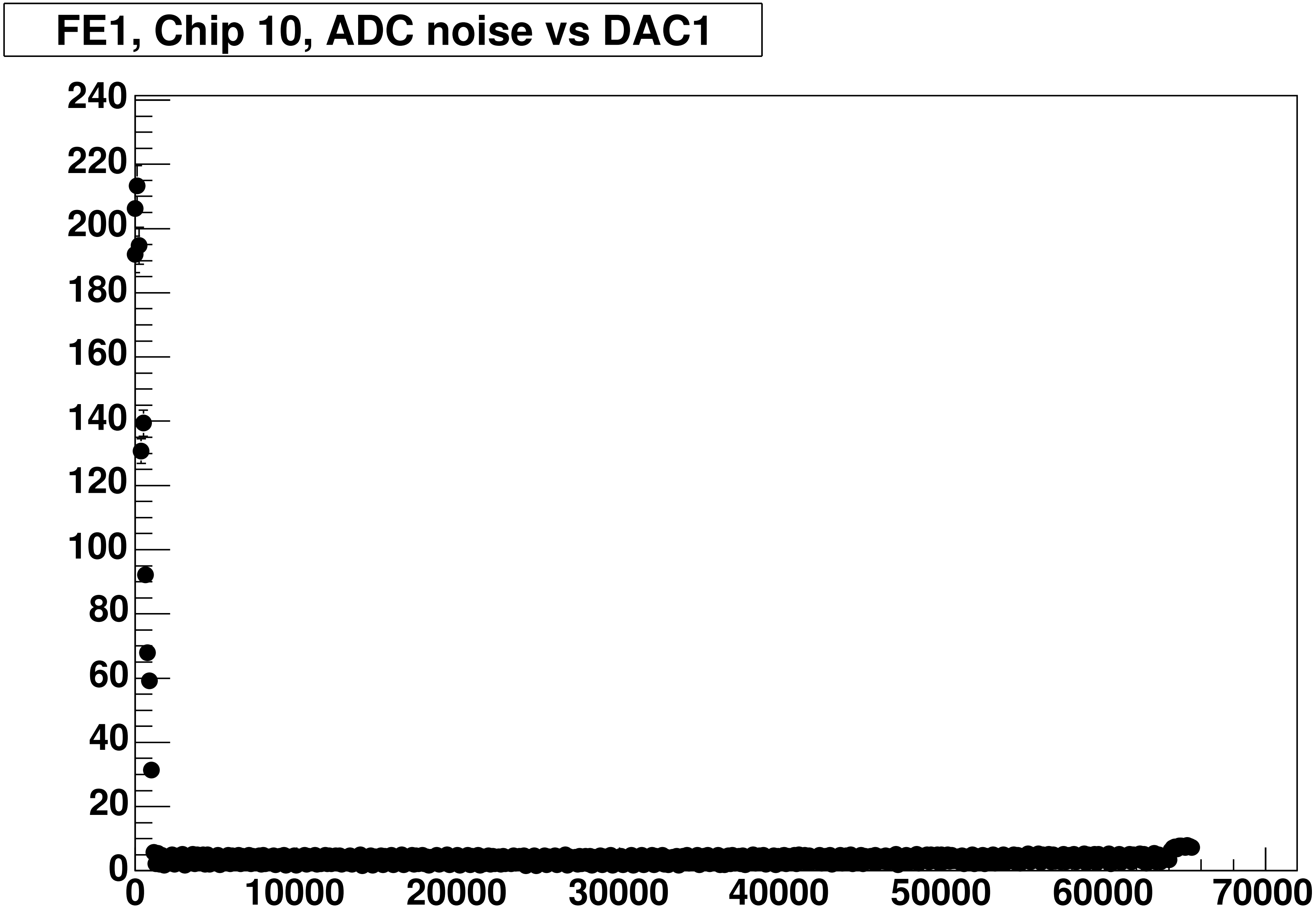
FE1, Chip 10, ADC mean vs DAC0
χ^2 / ndf 7749 / 502
p0 466.9 ± 0.7743
p1 1.037e-05 ± 2.027e-05
550
500
450
400
350
0
10000
20000
30000
40000
50000
60000
70000

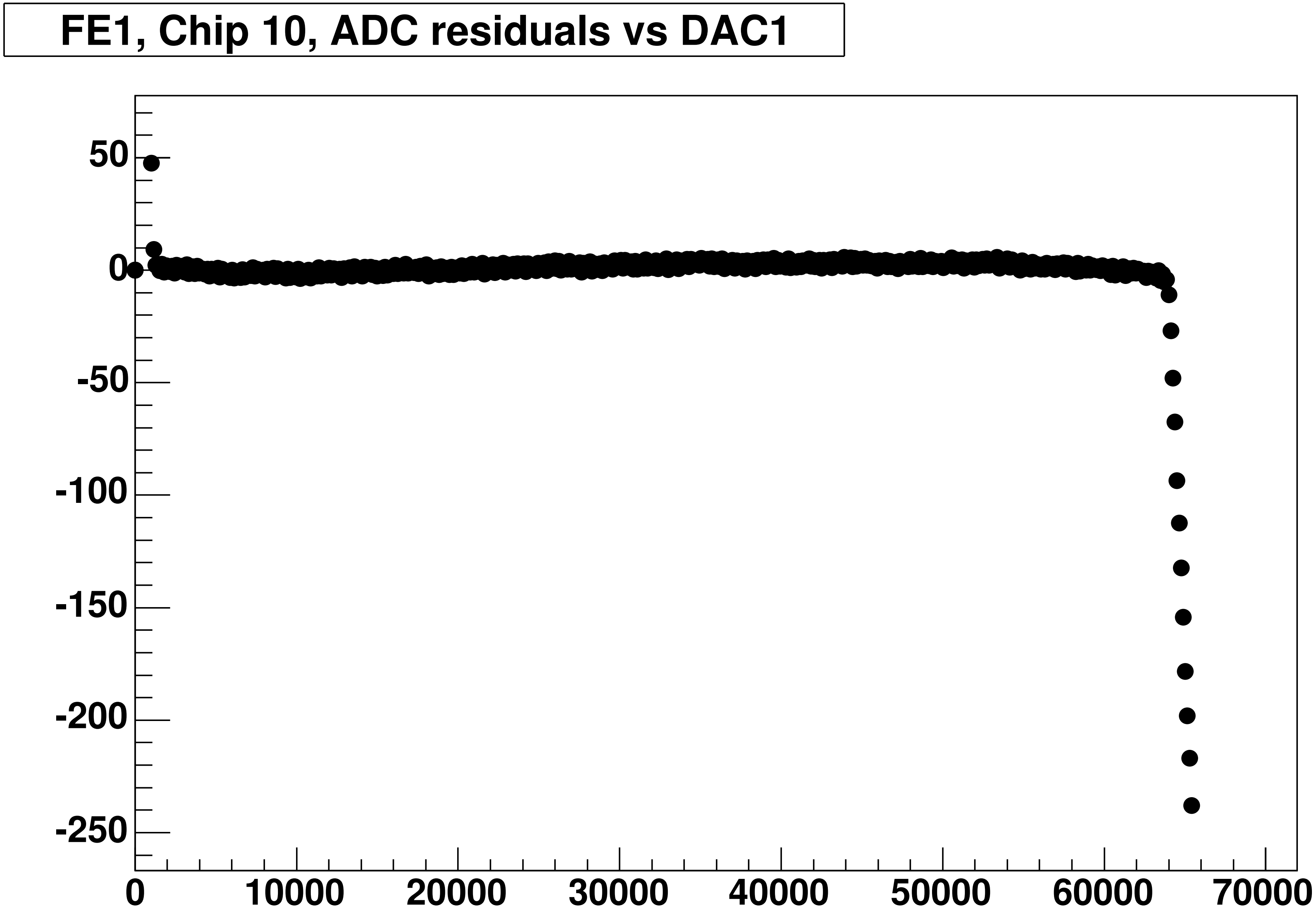

FE1, Chip 10, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

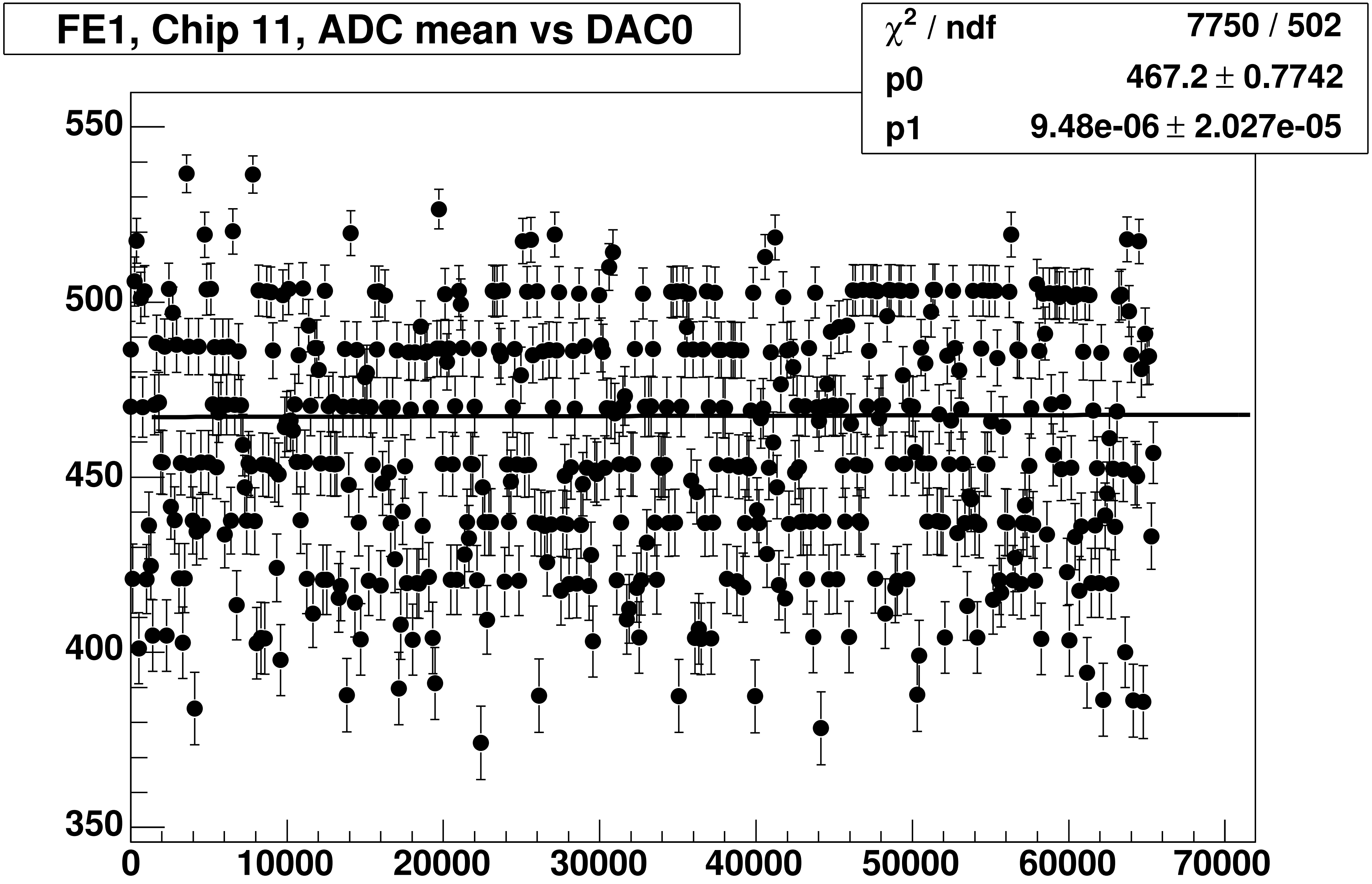

FE1, Chip 10, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
10000
20000
30000
40000
50000
60000
70000

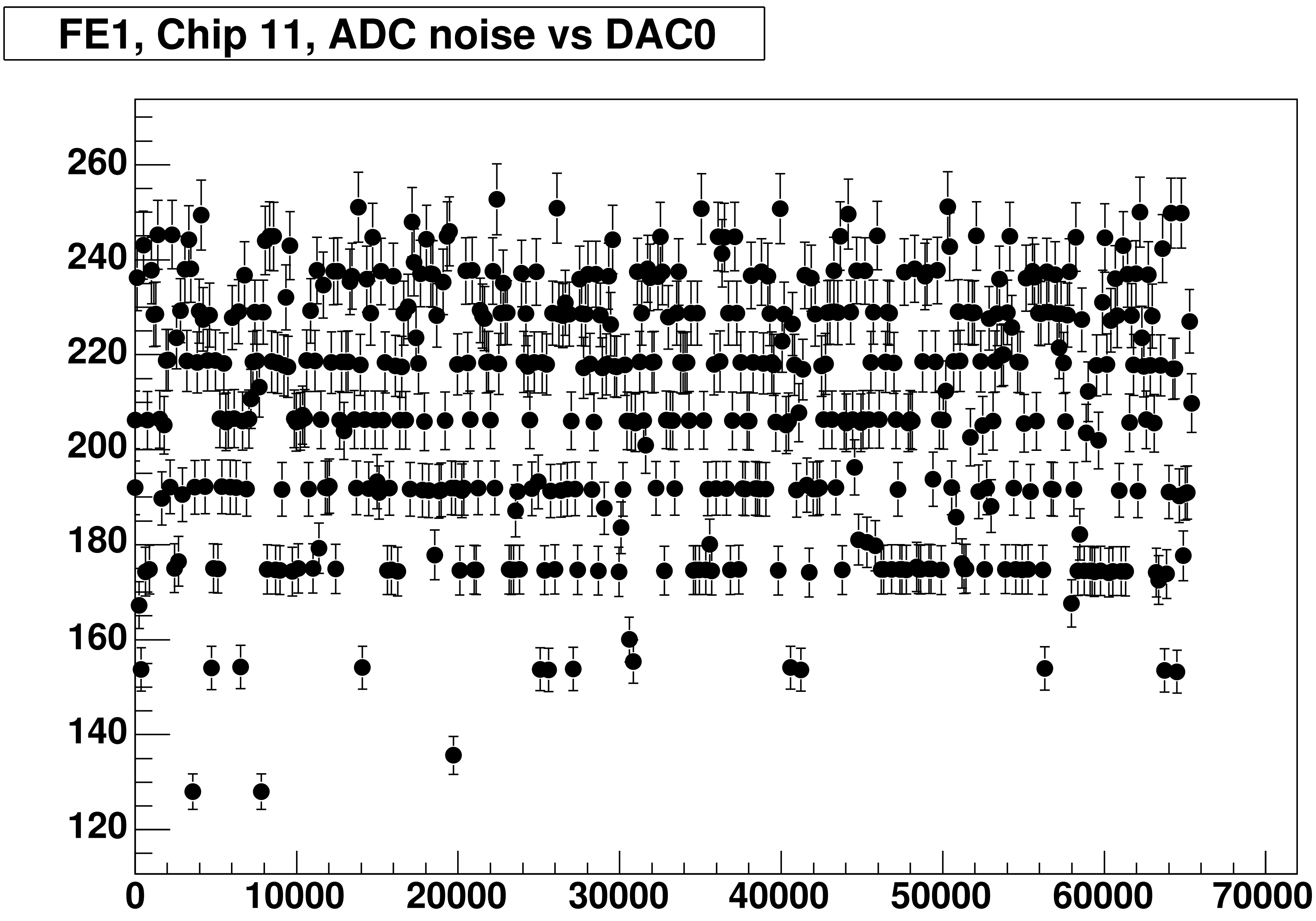


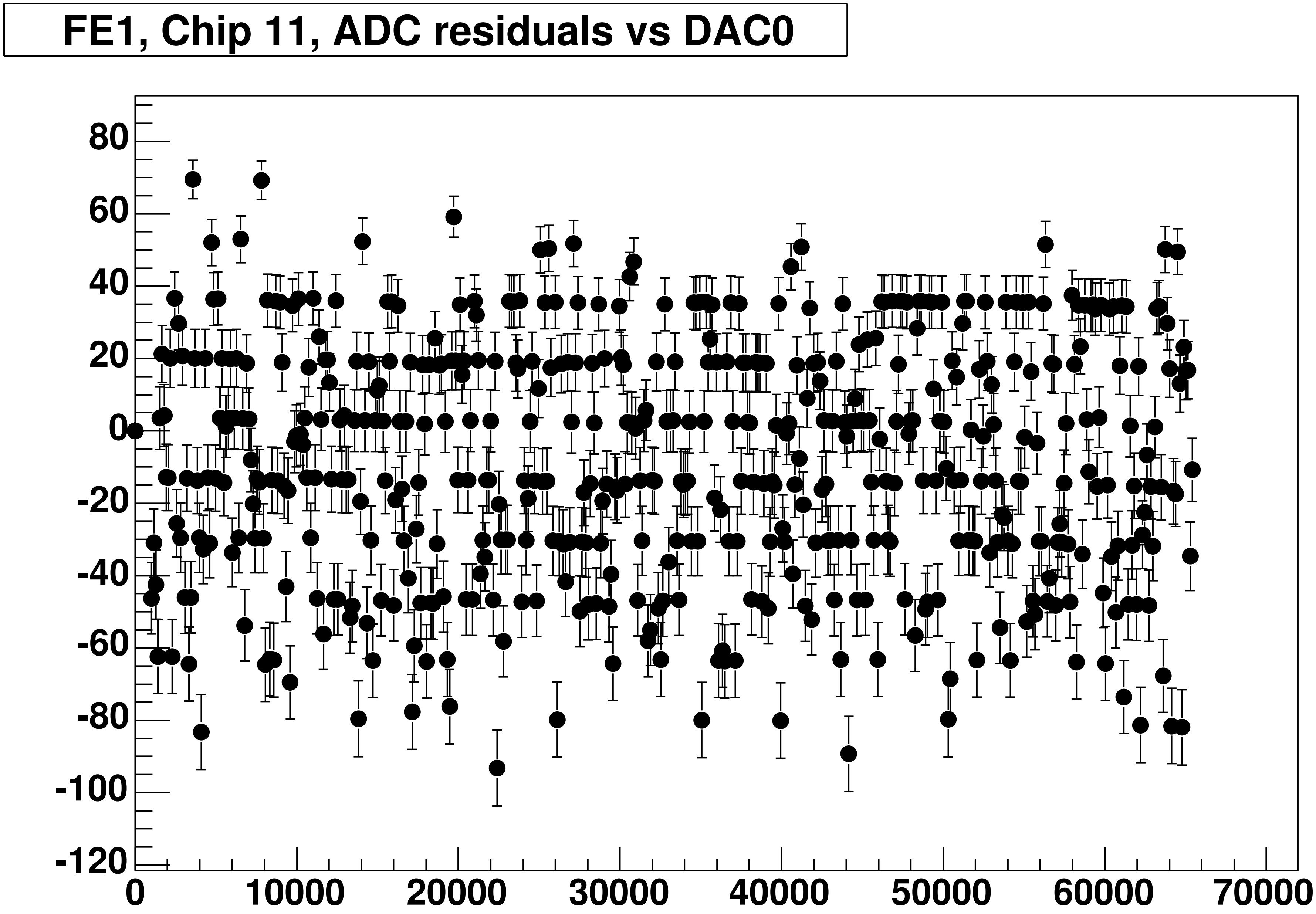
FE1, Chip 10, ADC mean vs DAC1
χ^2 / ndf 2.667e+06 / 502
p0 40.76 ± 0.01159
p1 0.4492 ± 3.316e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 10, ADC noise vs DAC1
240
220
200
180
160
140
120
100
80
60
40
20
0
10000
20000
30000
40000
50000
60000
70000

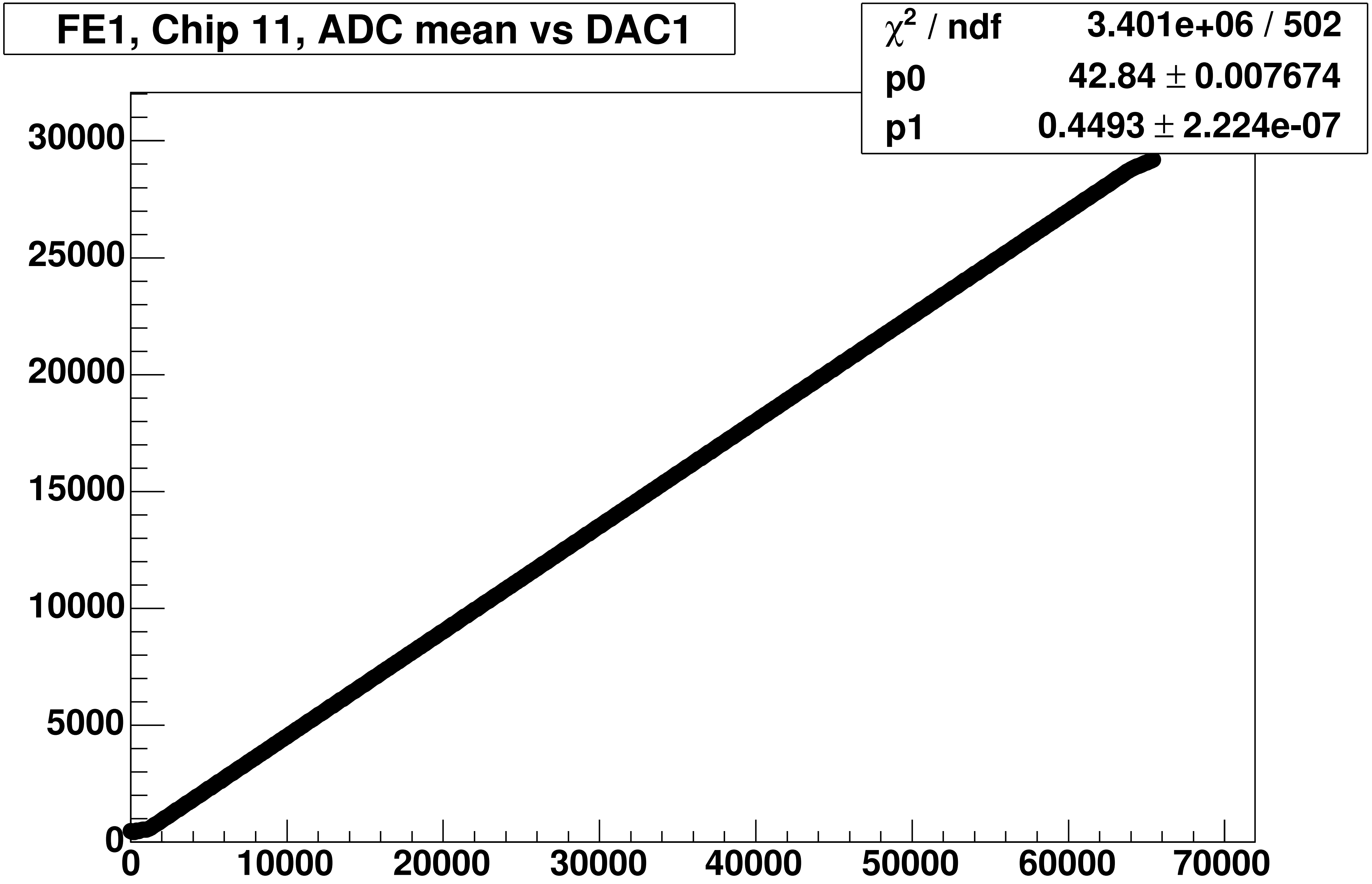

FE1, Chip 10, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
0
10000
20000
30000
40000
50000
60000
70000

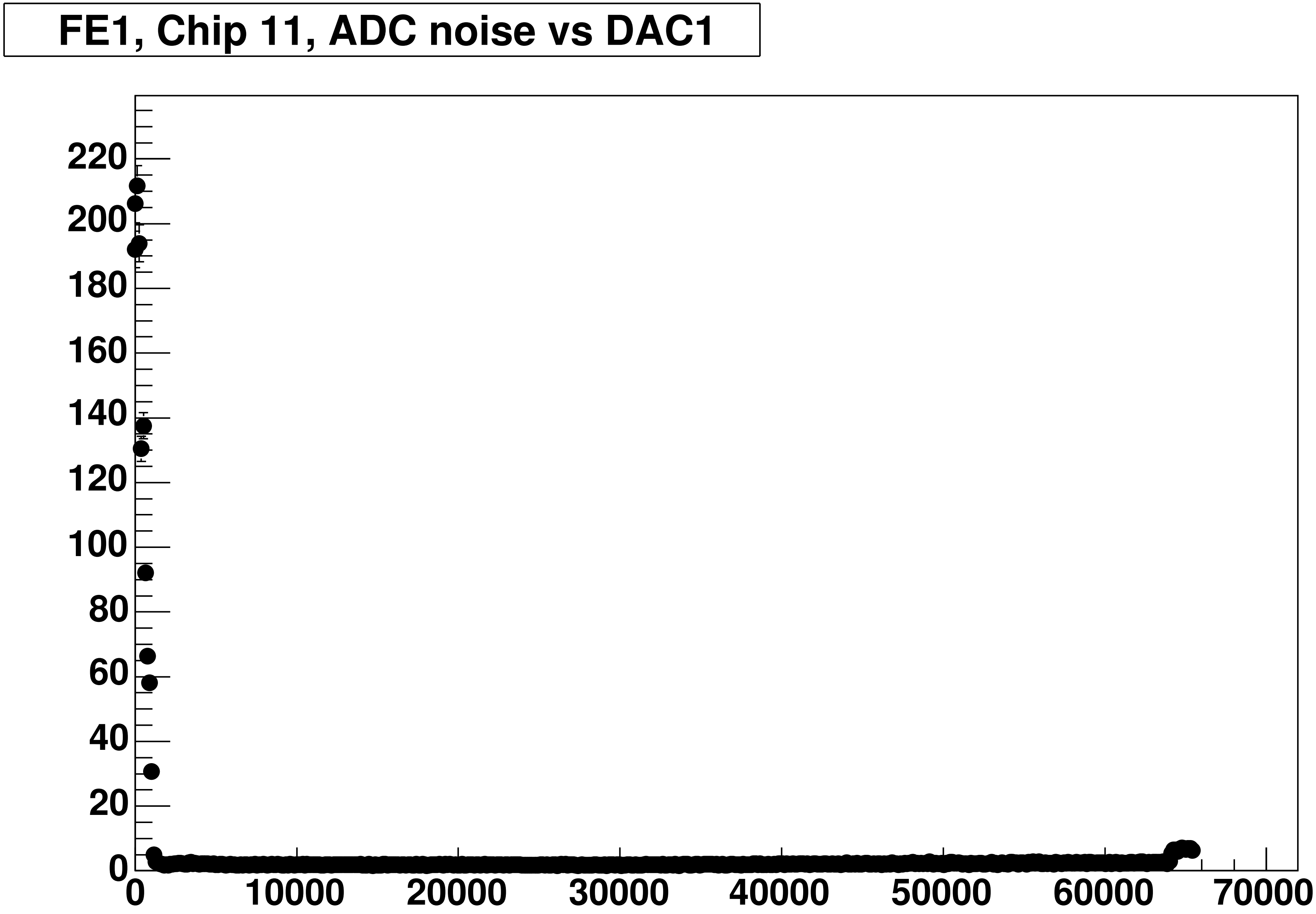

FE1, Chip 11, ADC mean vs DAC0
χ^2 / ndf 7750 / 502
p0 467.2 ± 0.7742
p1 9.48e-06 ± 2.027e-05
550
500
450
400
350
0
10000
20000
30000
40000
50000
60000
70000

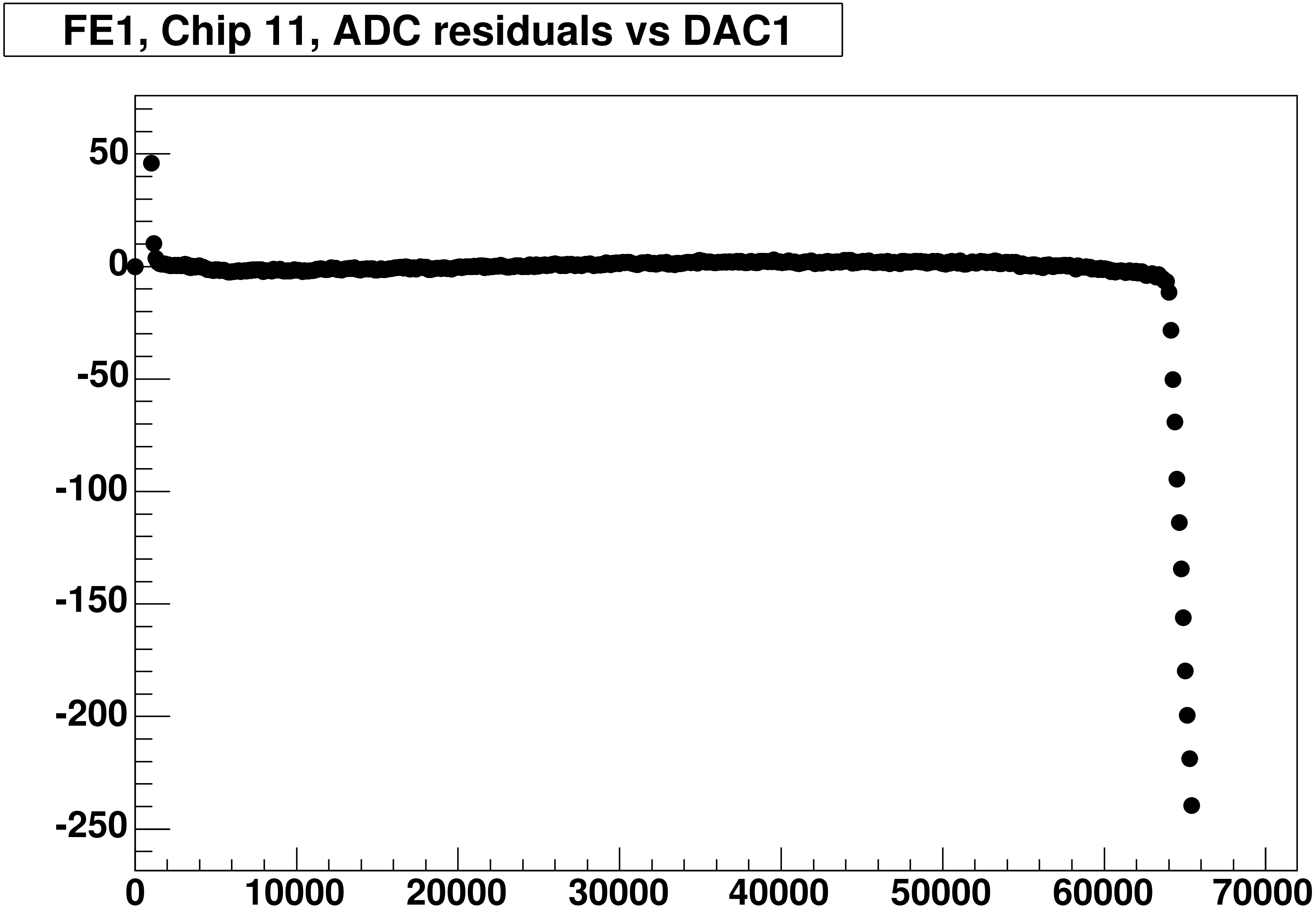

FE1, Chip 11, ADC noise vs DAC0
260
240
220
200
180
160
140
120
0
10000
20000
30000
40000
50000
60000
70000

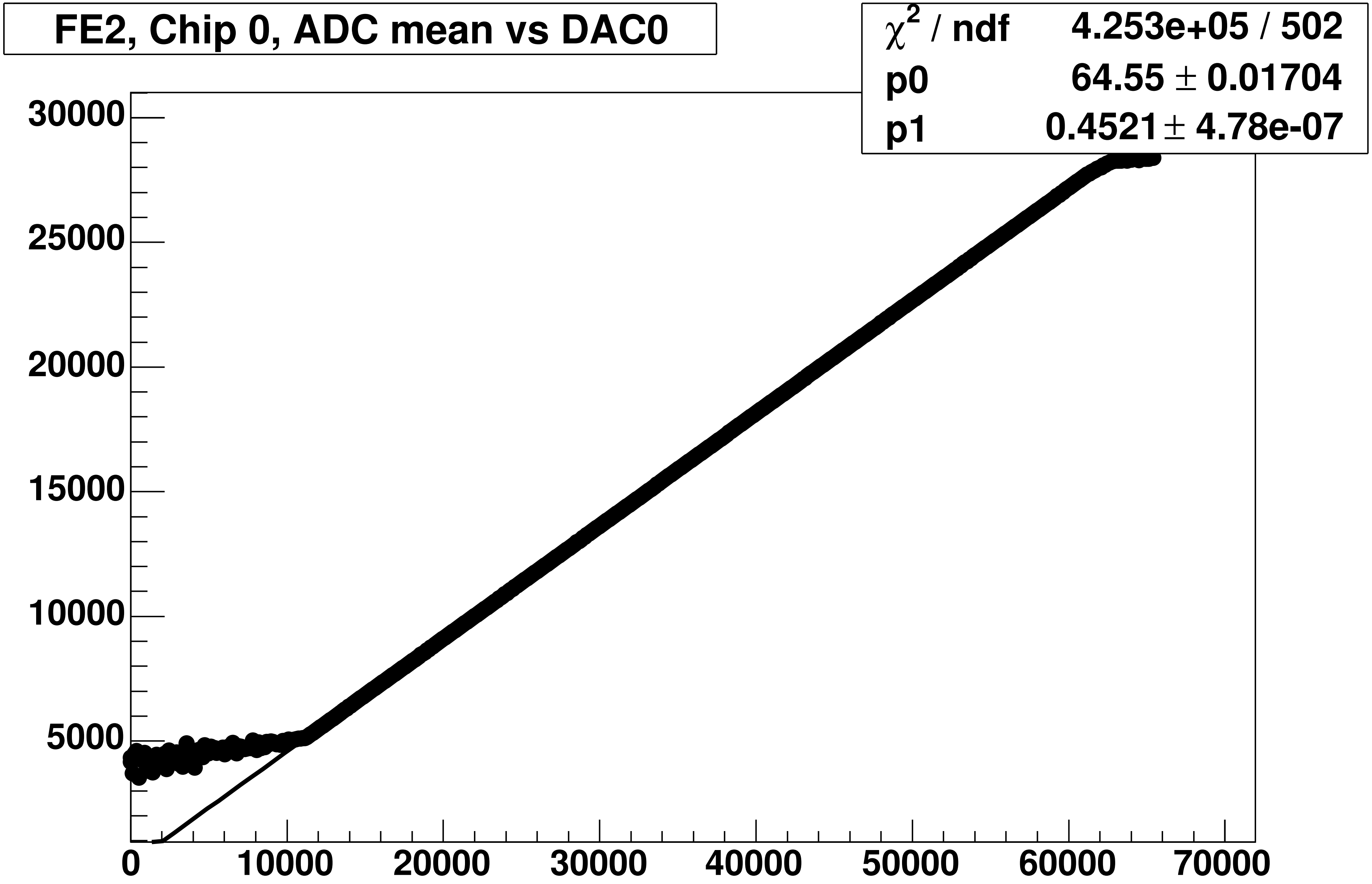


FE1, Chip 11, ADC residuals vs DAC0
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
10000
20000
30000
40000
50000
60000
70000

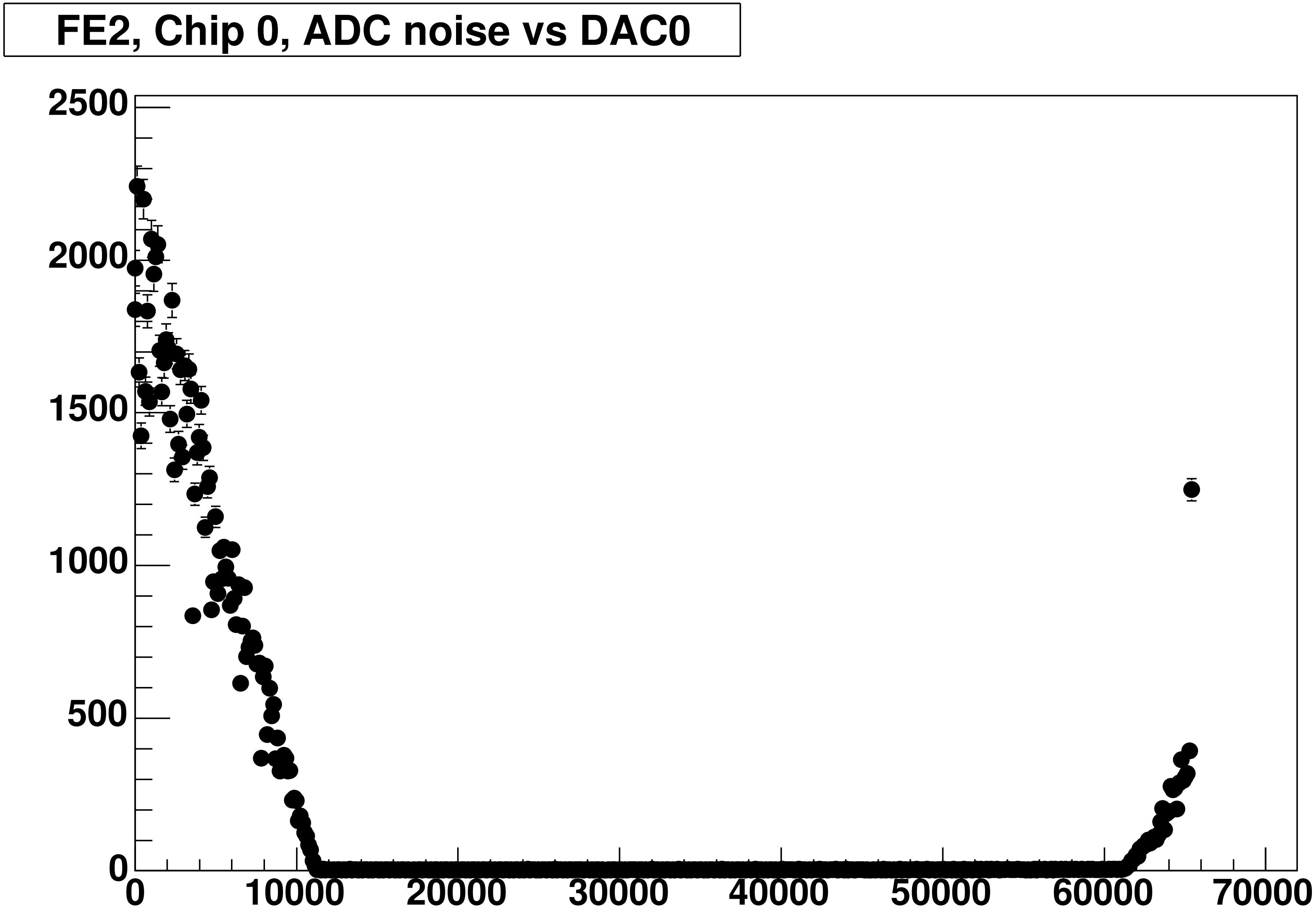

FE1, Chip 11, ADC mean vs DAC1
χ^2 / ndf 3.401e+06 / 502
p0 42.84 ± 0.007674
p1 0.4493 ± 2.224e-07
0
5000
10000
15000
20000
25000
30000
0
10000
20000
30000
40000
50000
60000
70000


FE1, Chip 11, ADC noise vs DAC1
0
20
40
60
80
100
120
140
160
180
200
220
0
10000
20000
30000
40000
50000
60000
70000

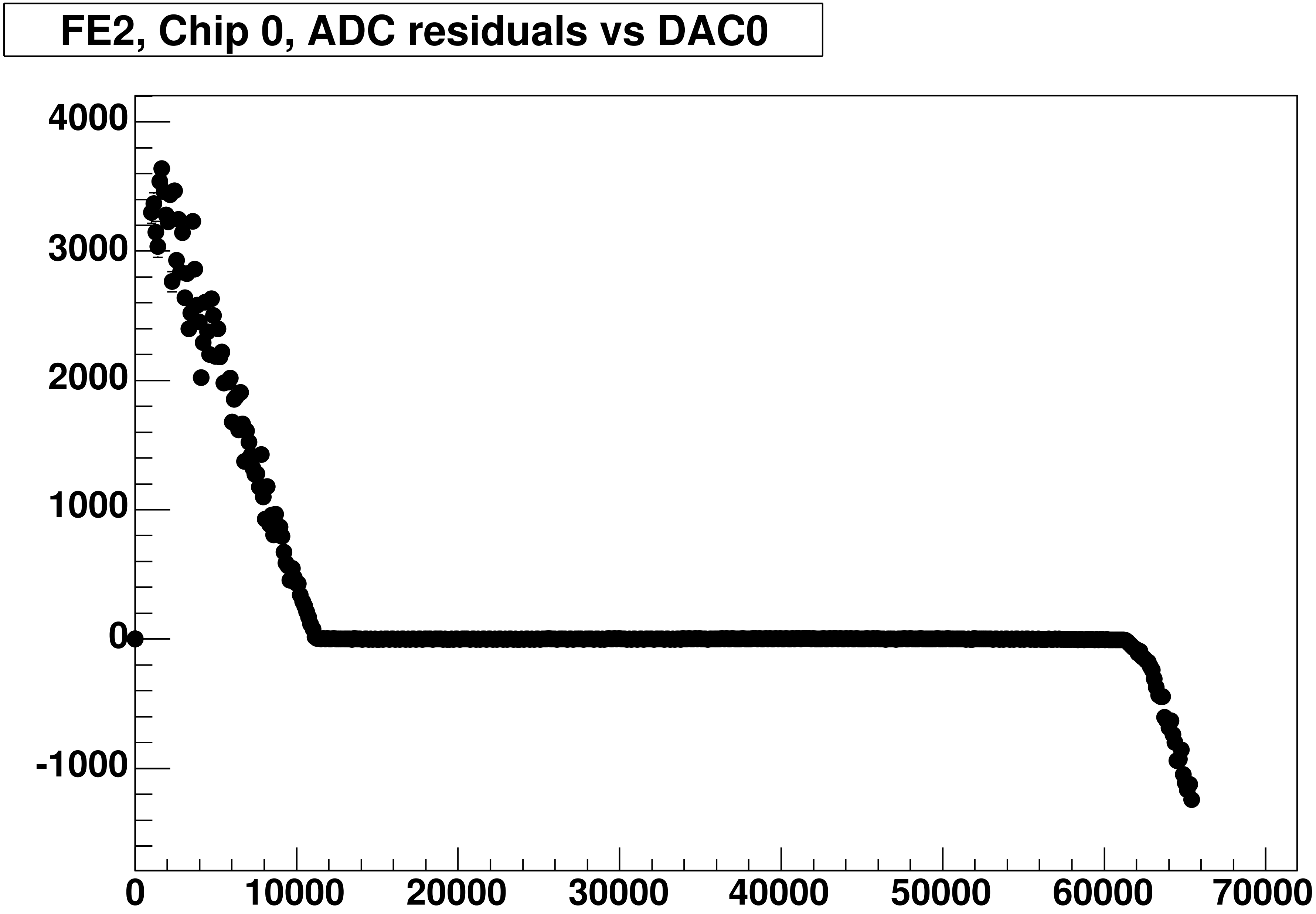

FE1, Chip 11, ADC residuals vs DAC1
50
0
-50
-100
-150
-200
-250
0
10000
20000
30000
40000
50000
60000
70000

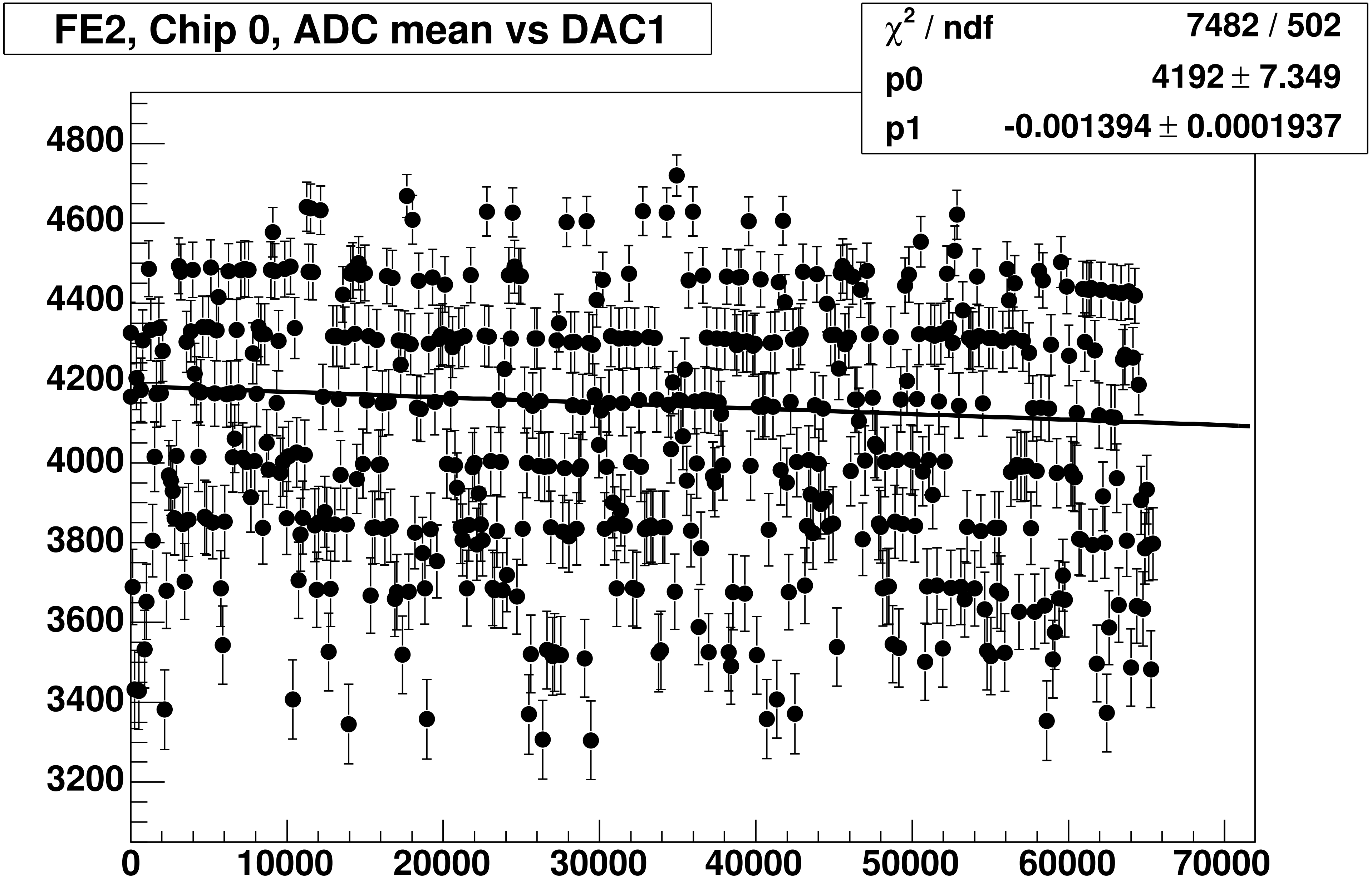


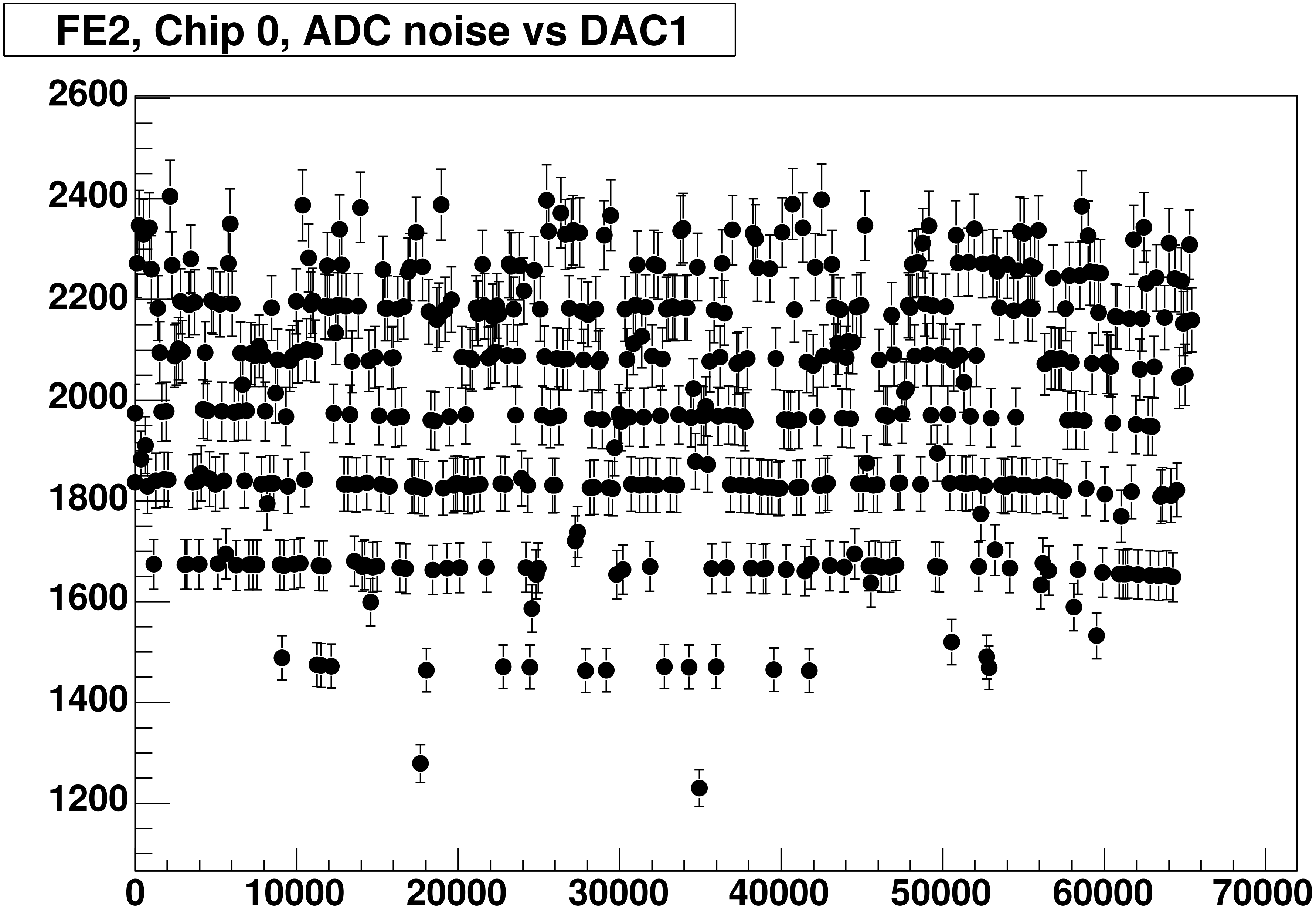
FE2, Chip 0, ADC mean vs DAC0
χ^2 / ndf 4.253e+05 / 502
p0 64.55 ± 0.01704
p1 0.4521 ± 4.78e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

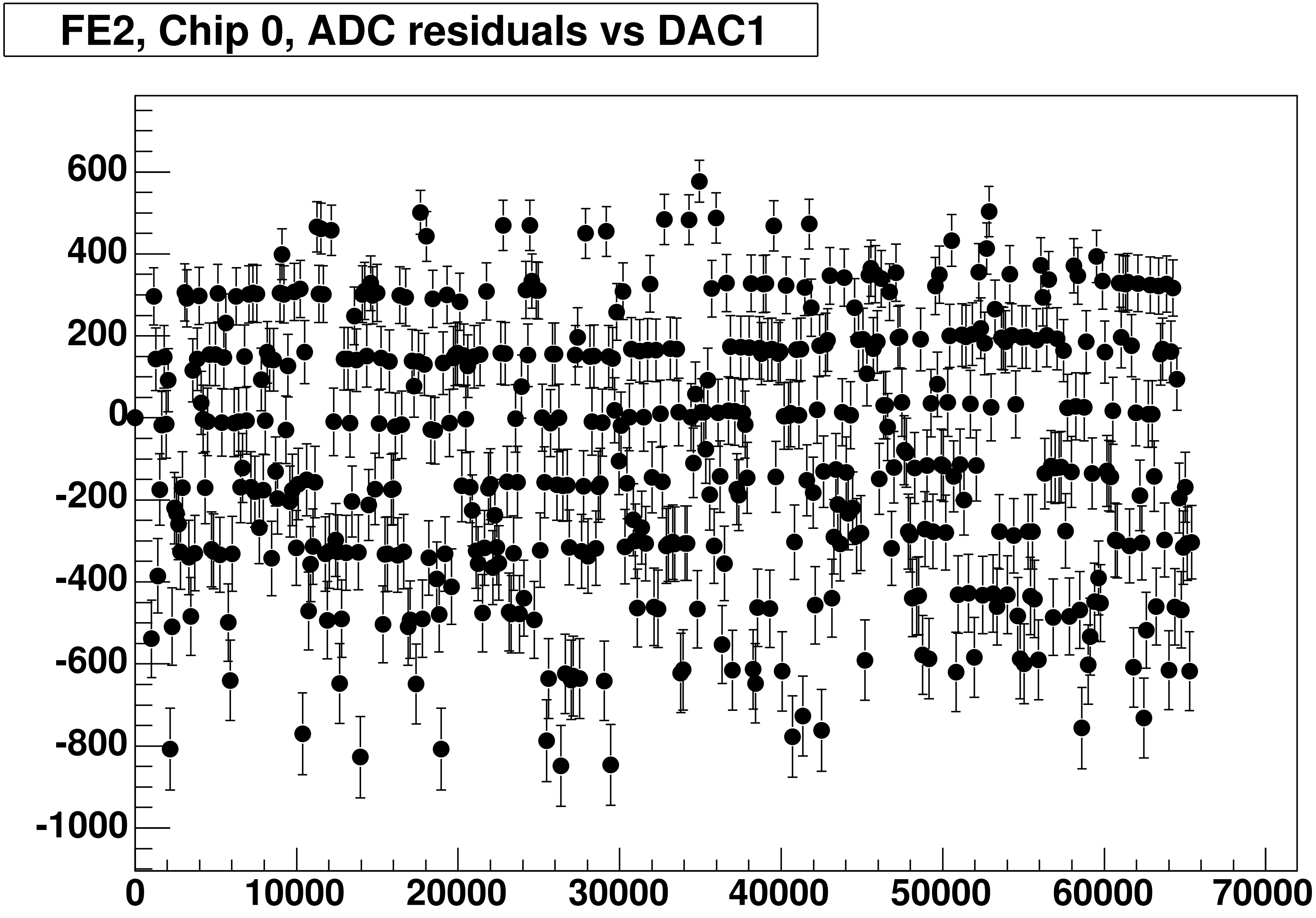


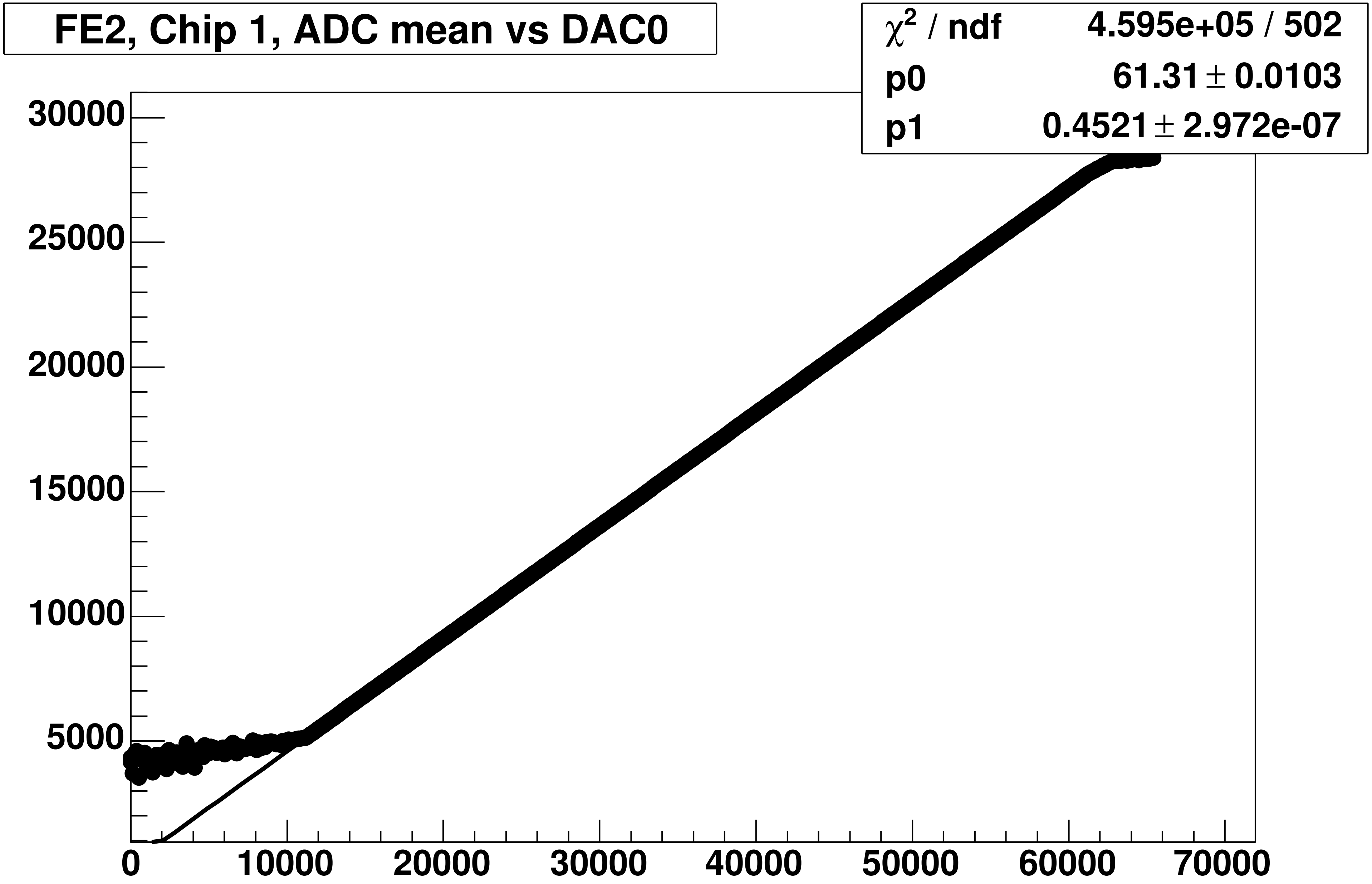
FE2, Chip 0, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 0, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

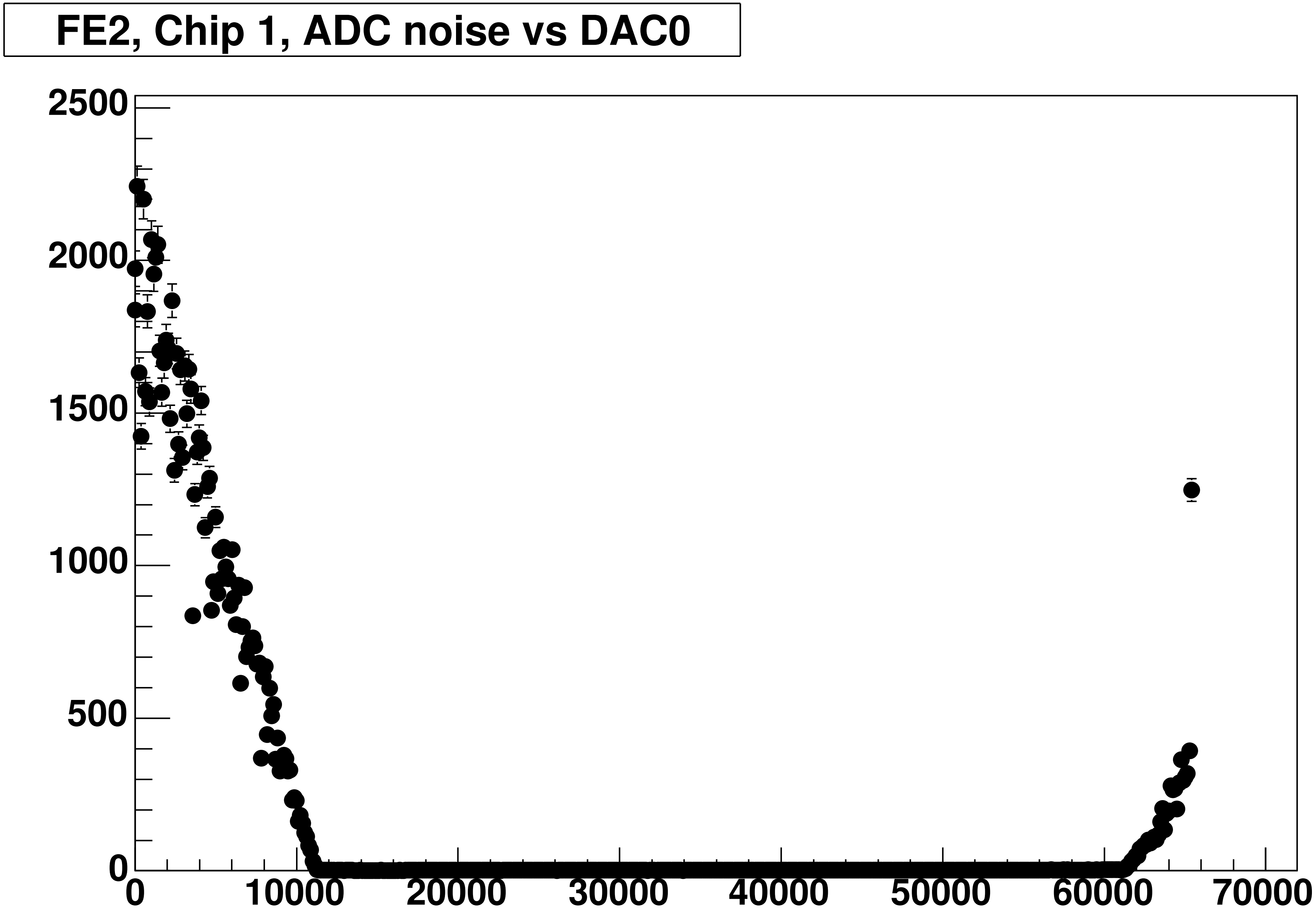

FE2, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7482 / 502
p0 4192 ± 7.349
p1 -0.001394 ± 0.0001937
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

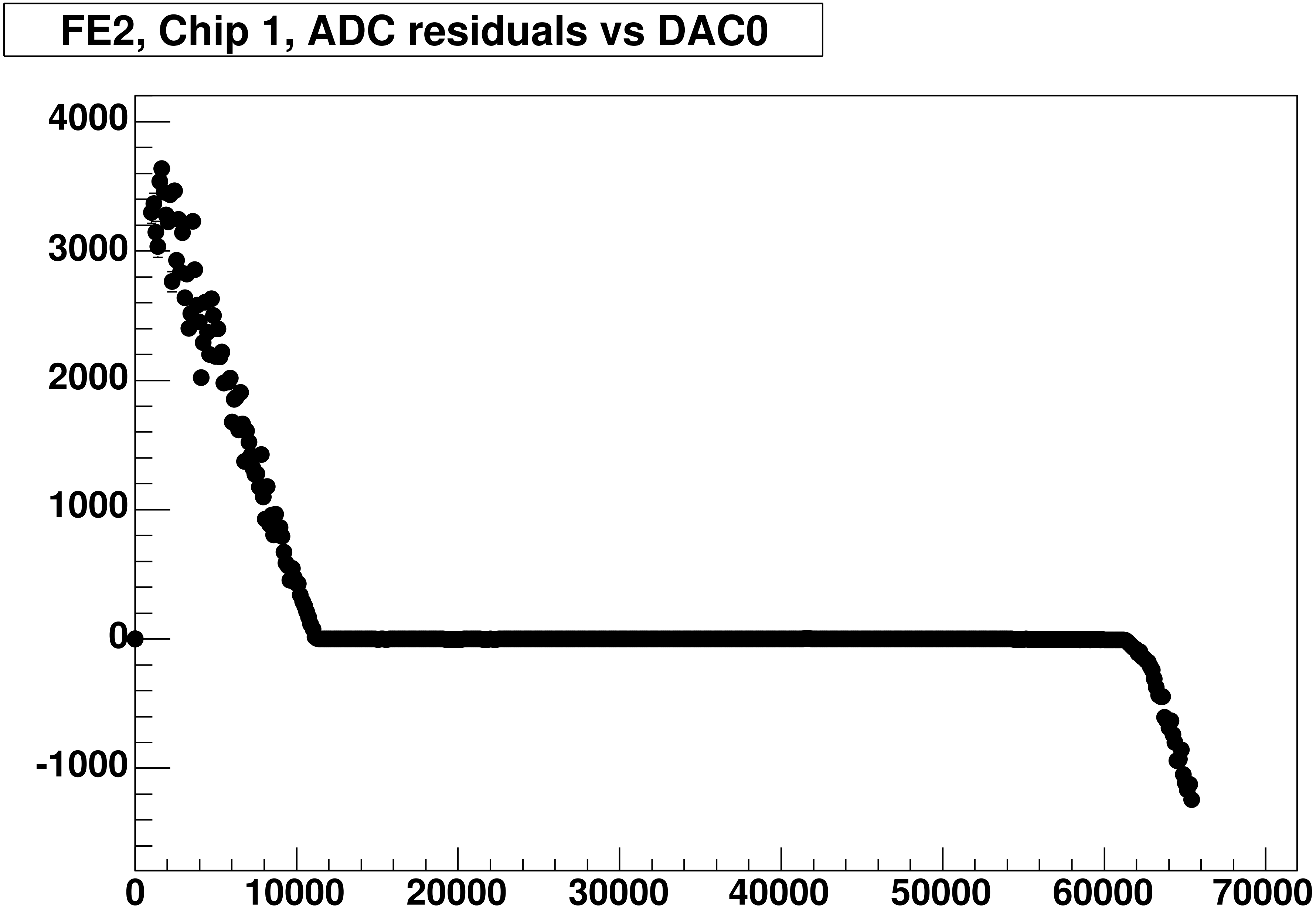

FE2, Chip 0, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

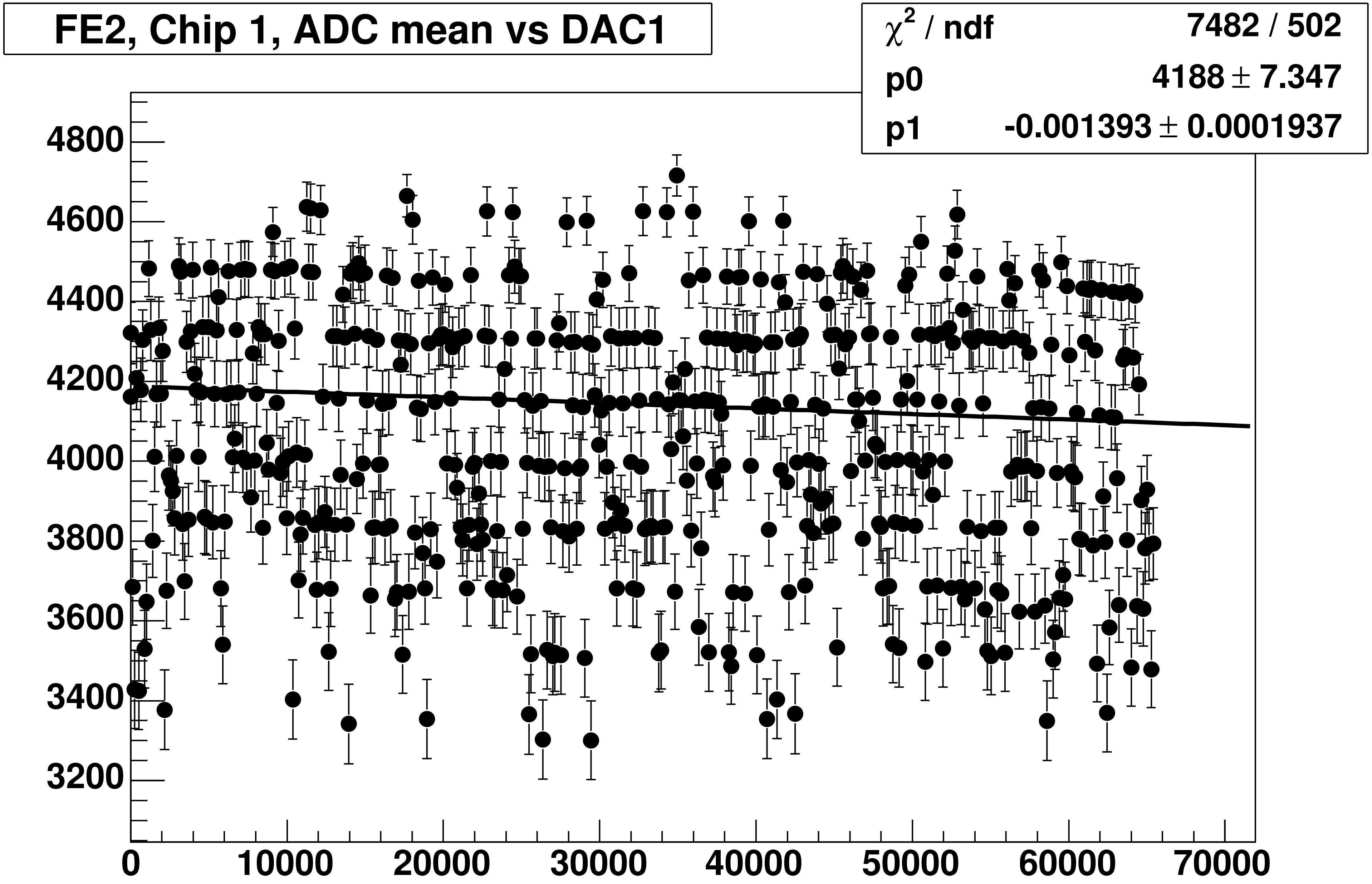

FE2, Chip 0, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



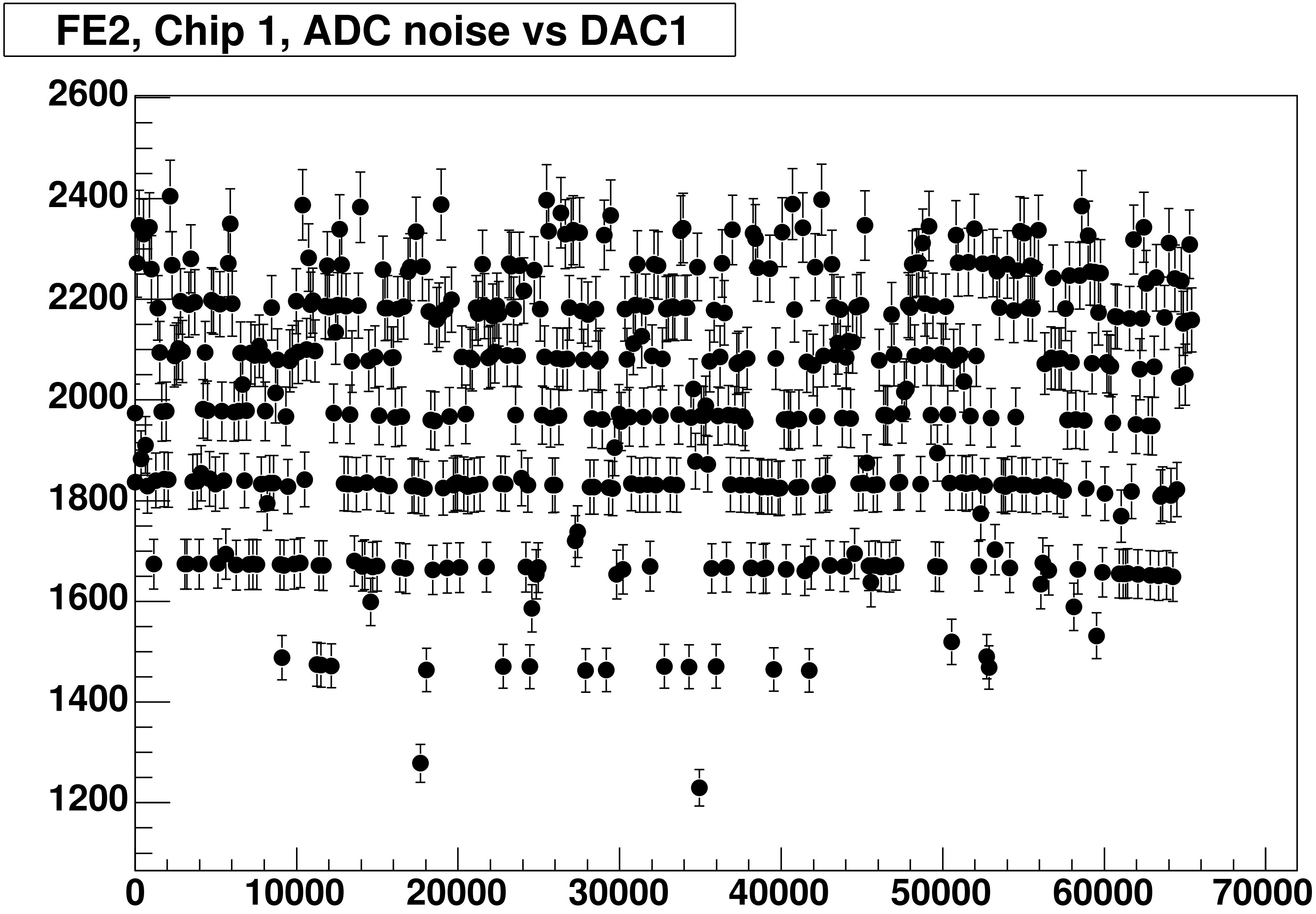
FE2, Chip 1, ADC mean vs DAC0
χ^2 / ndf 4.595e+05 / 502
p0 61.31 ± 0.0103
p1 0.4521 ± 2.972e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

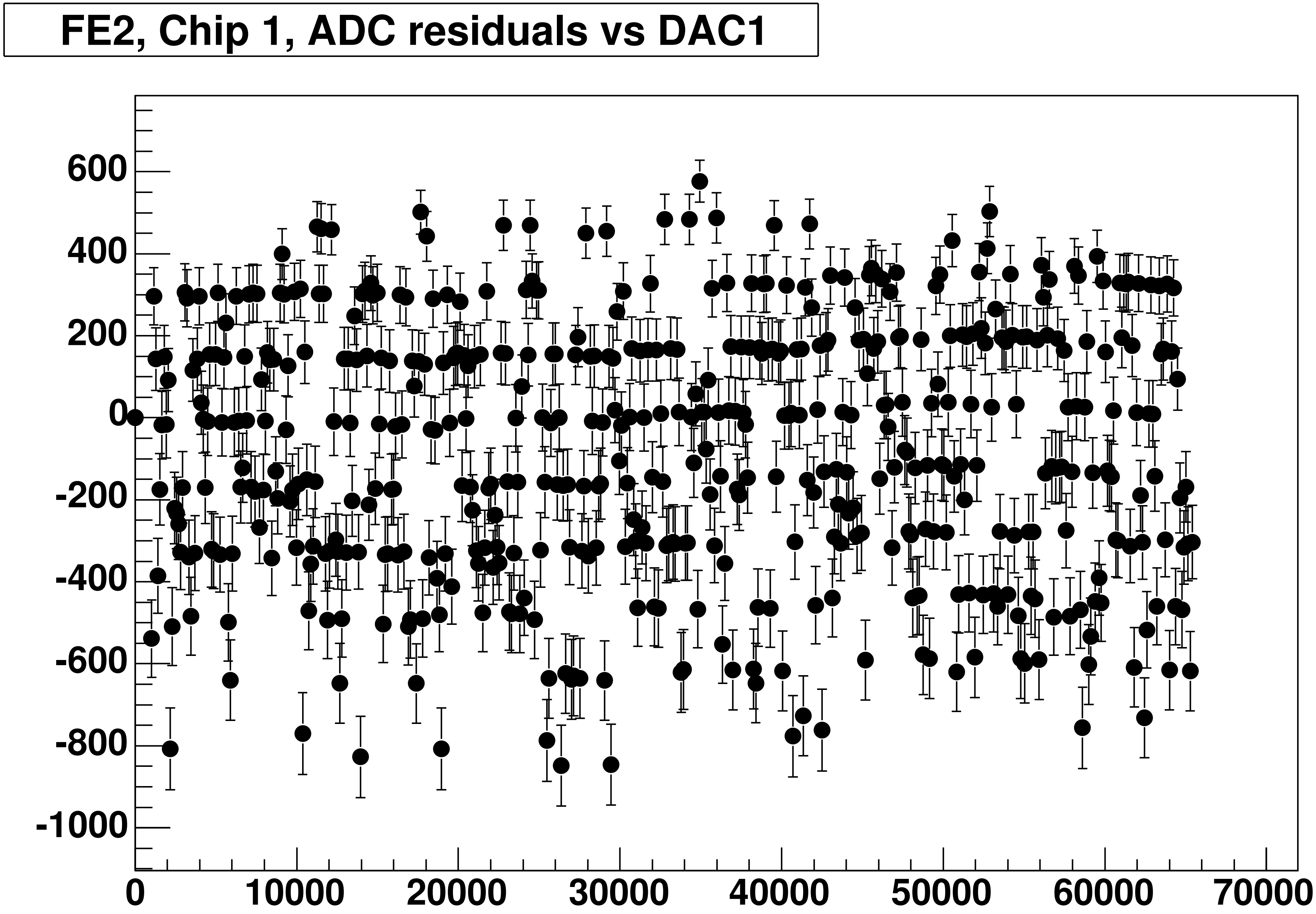

FE2, Chip 1, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

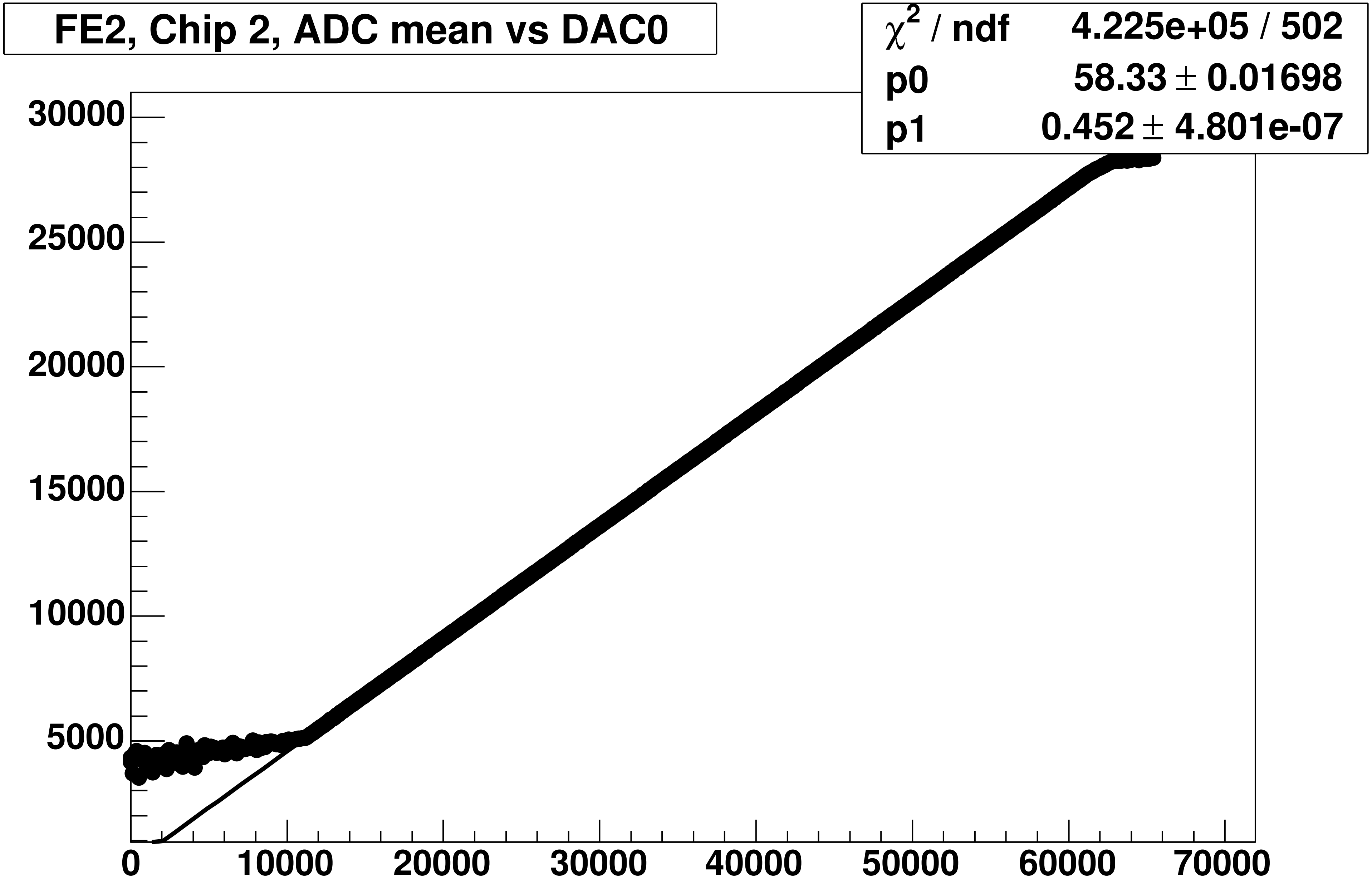

FE2, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

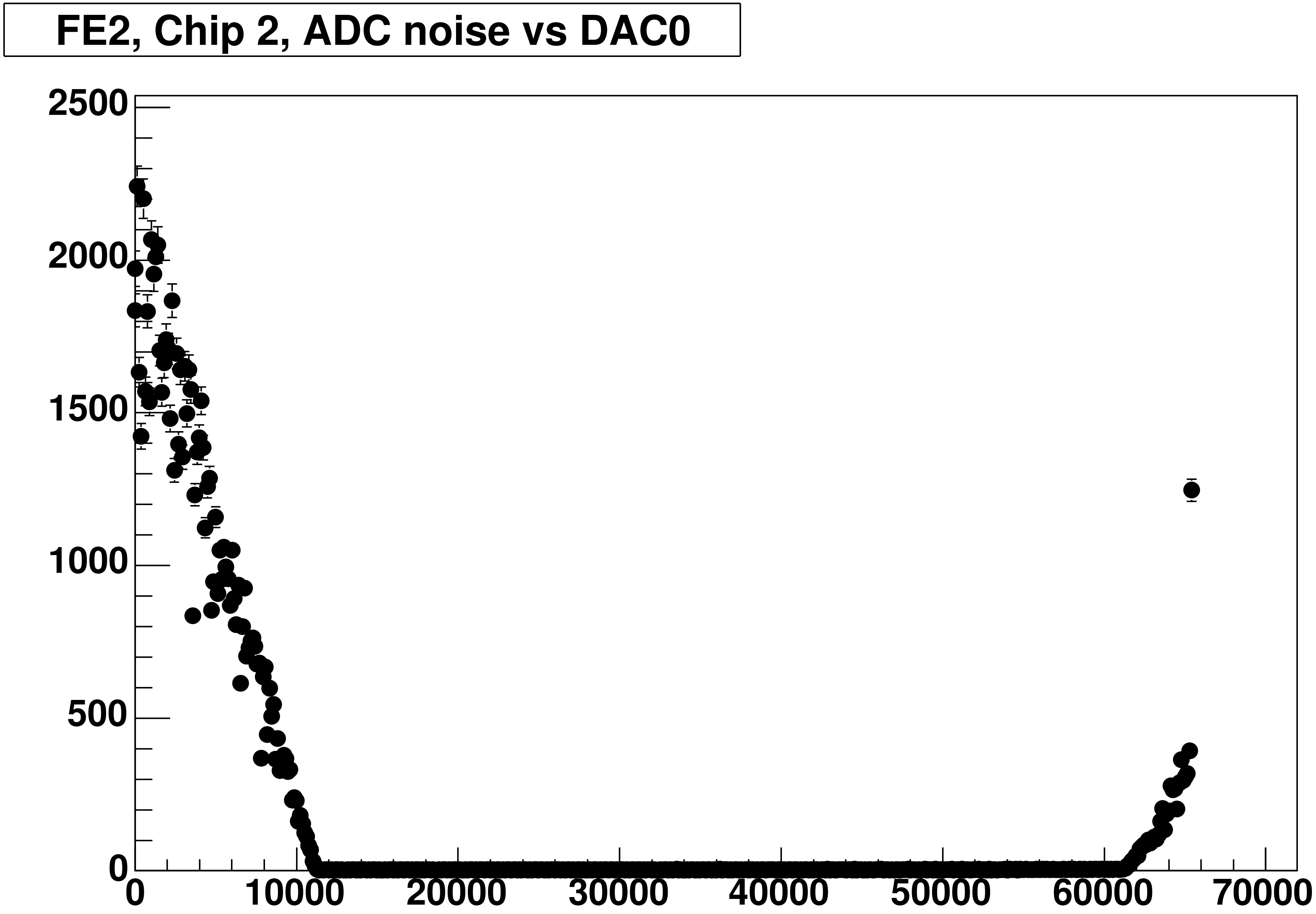


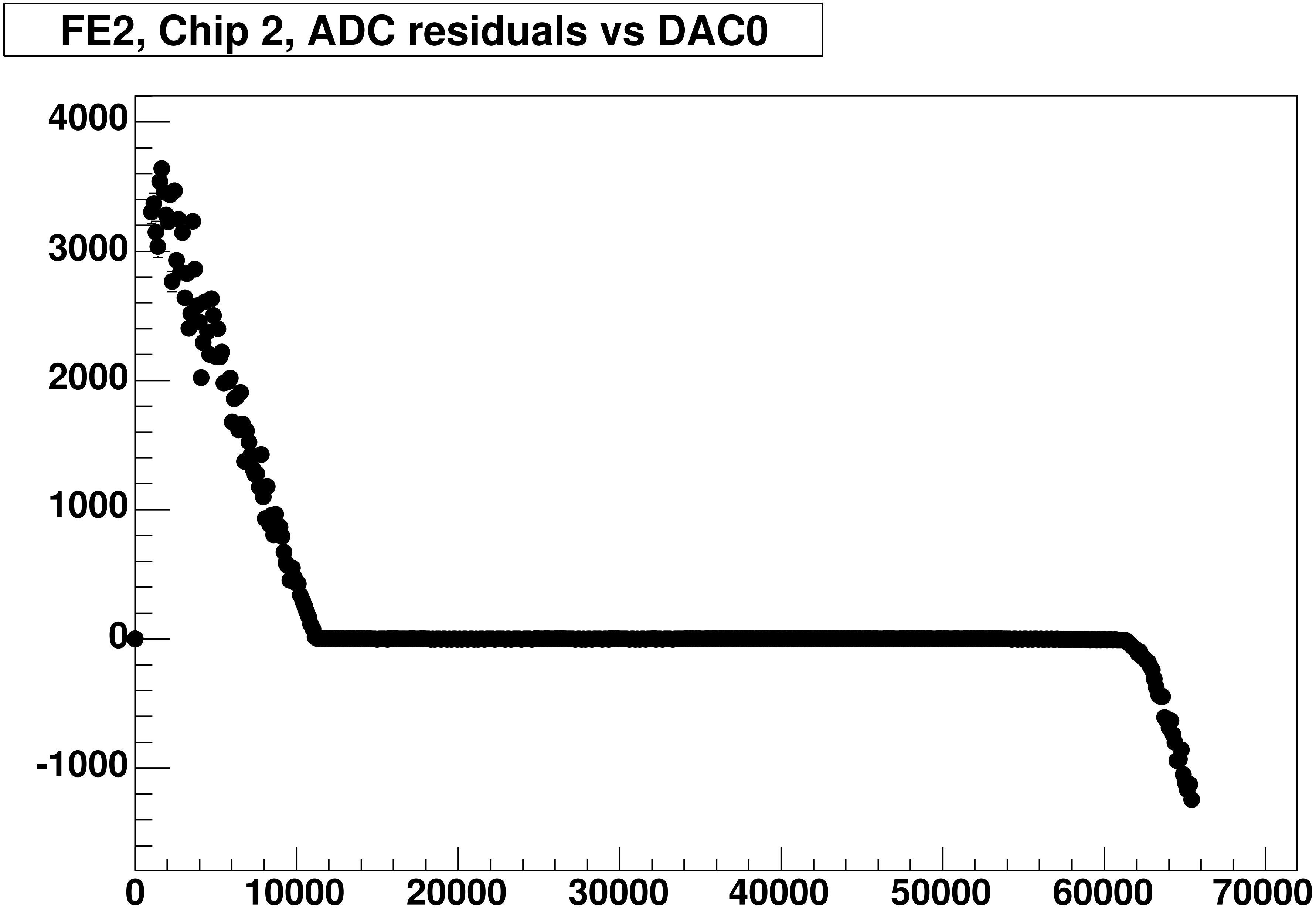
FE2, Chip 1, ADC mean vs DAC1
χ2 / ndf 7482 / 502
p0 4188 ± 7.347
p1 -0.001393 ± 0.0001937
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 1, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

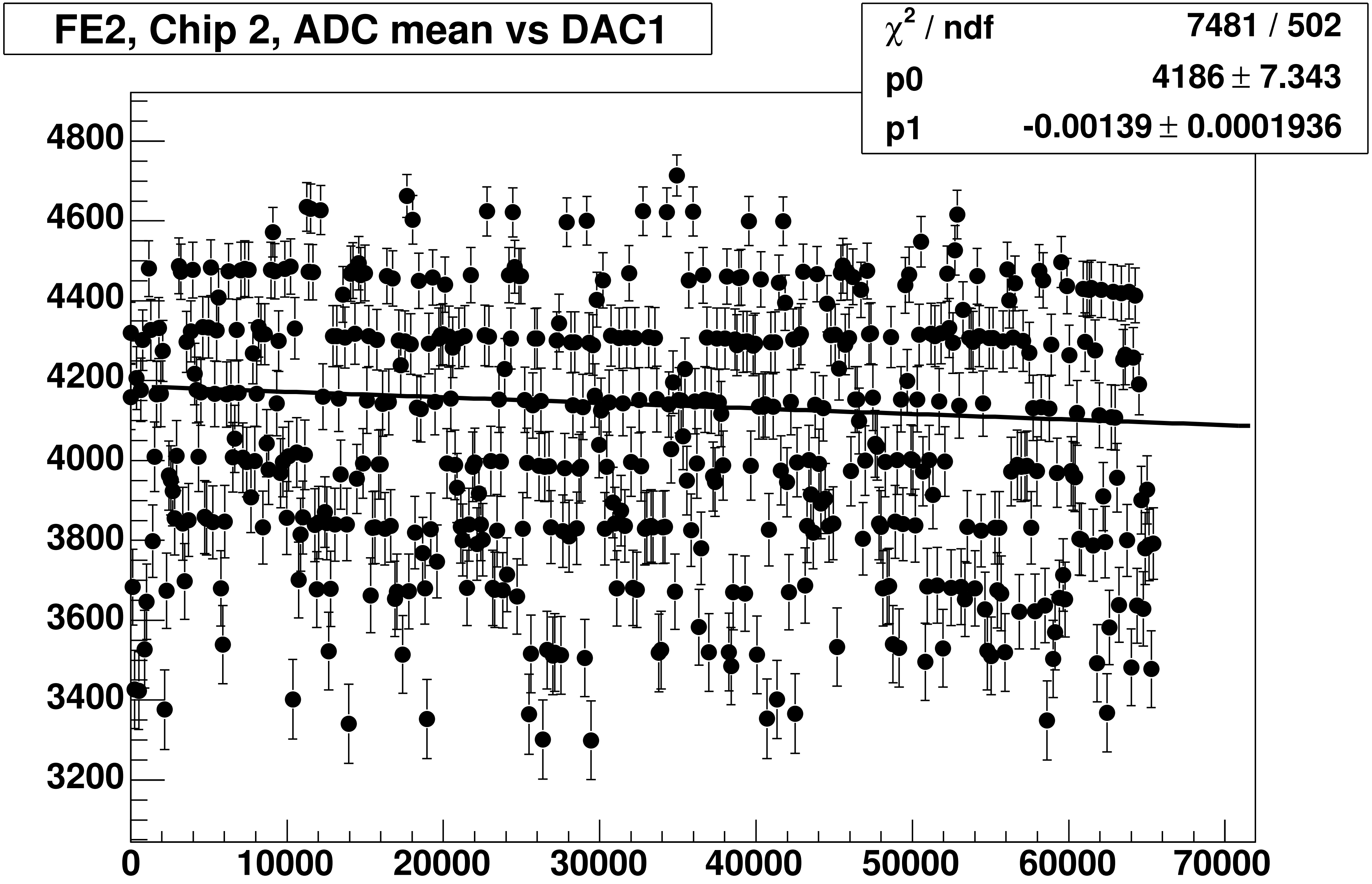

FE2, Chip 1, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

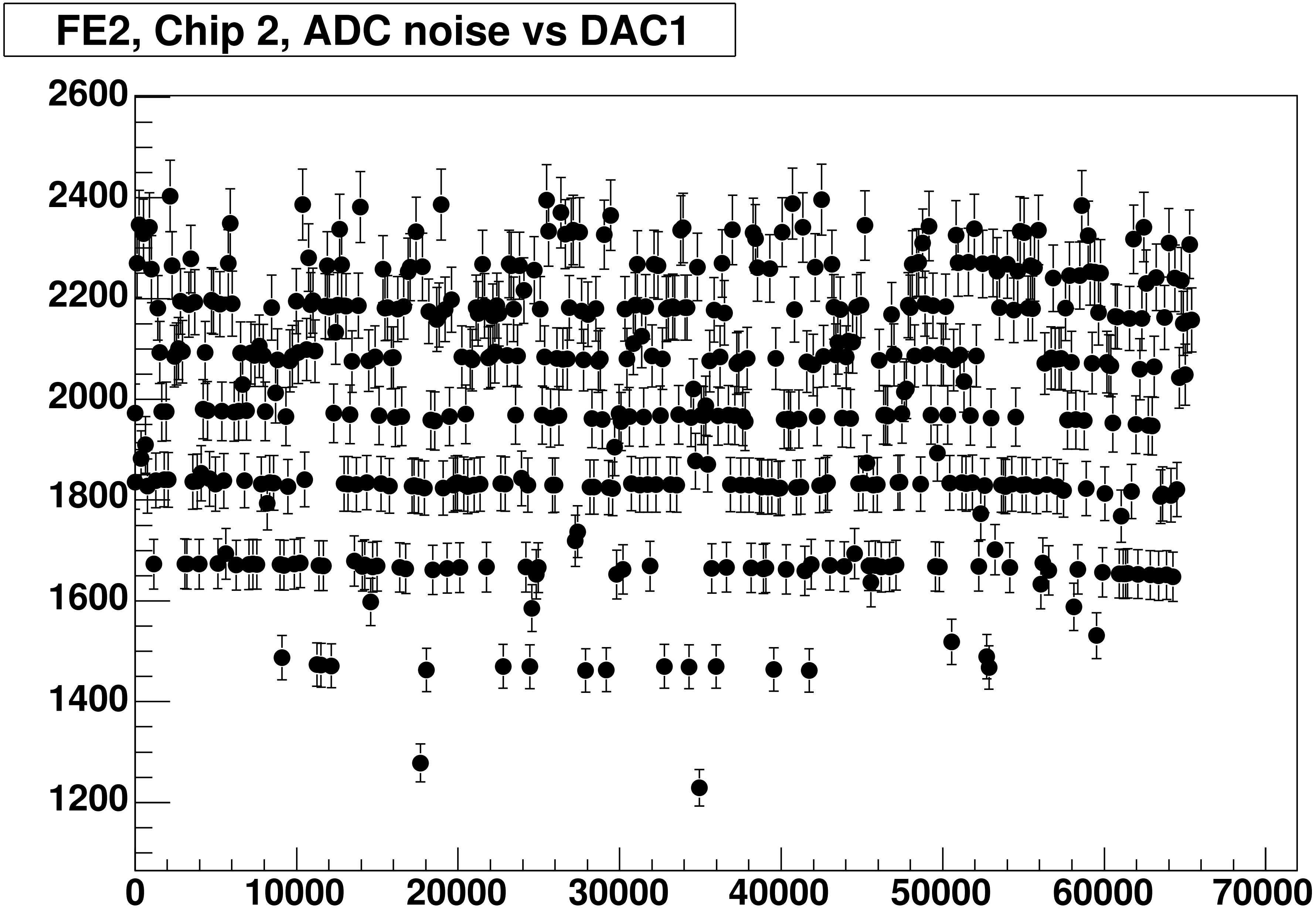

FE2, Chip 2, ADC mean vs DAC0
χ^2 / ndf 4.225e+05 / 502
p0 58.33 ± 0.01698
p1 0.452 ± 4.801e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

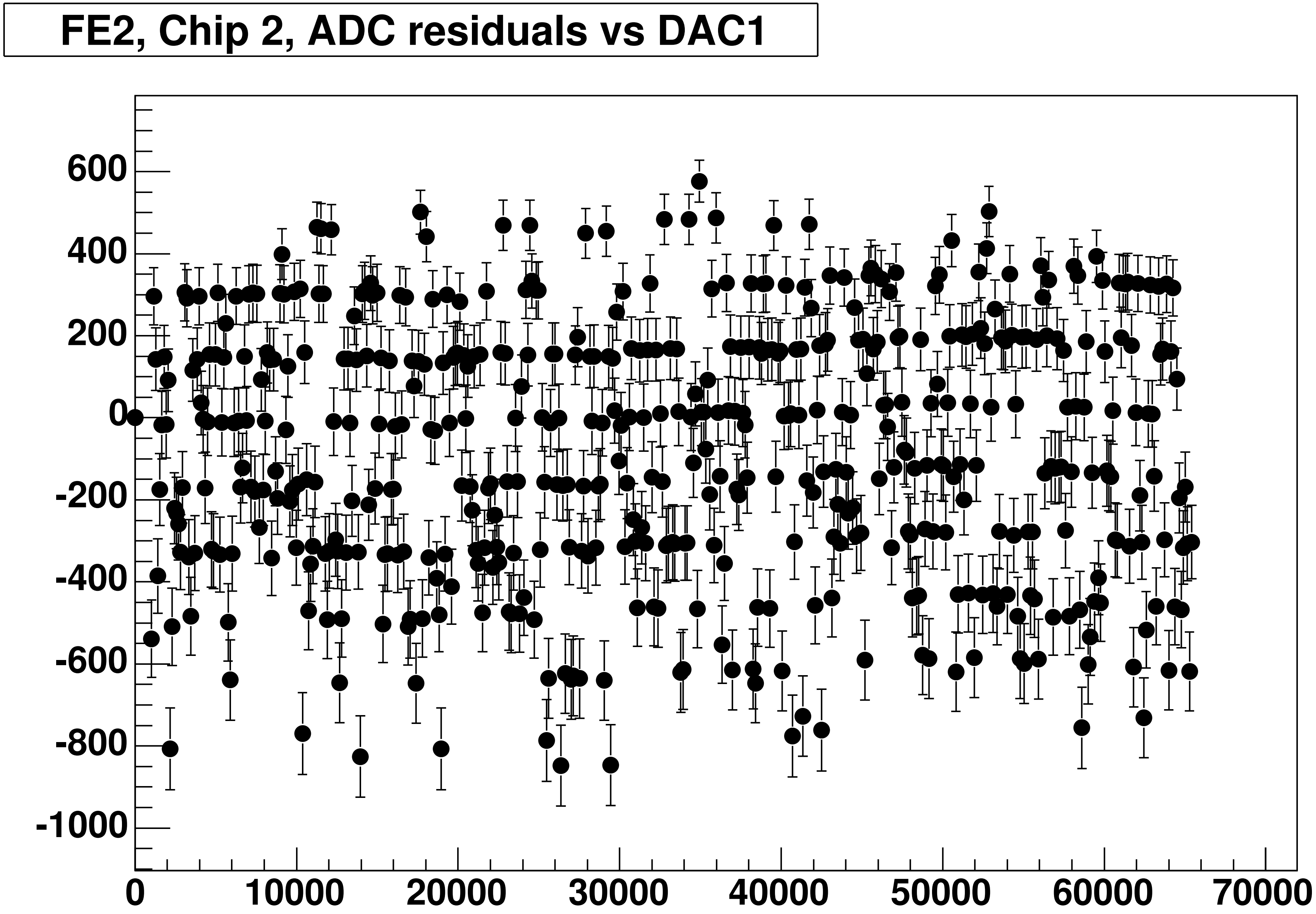

FE2, Chip 2, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

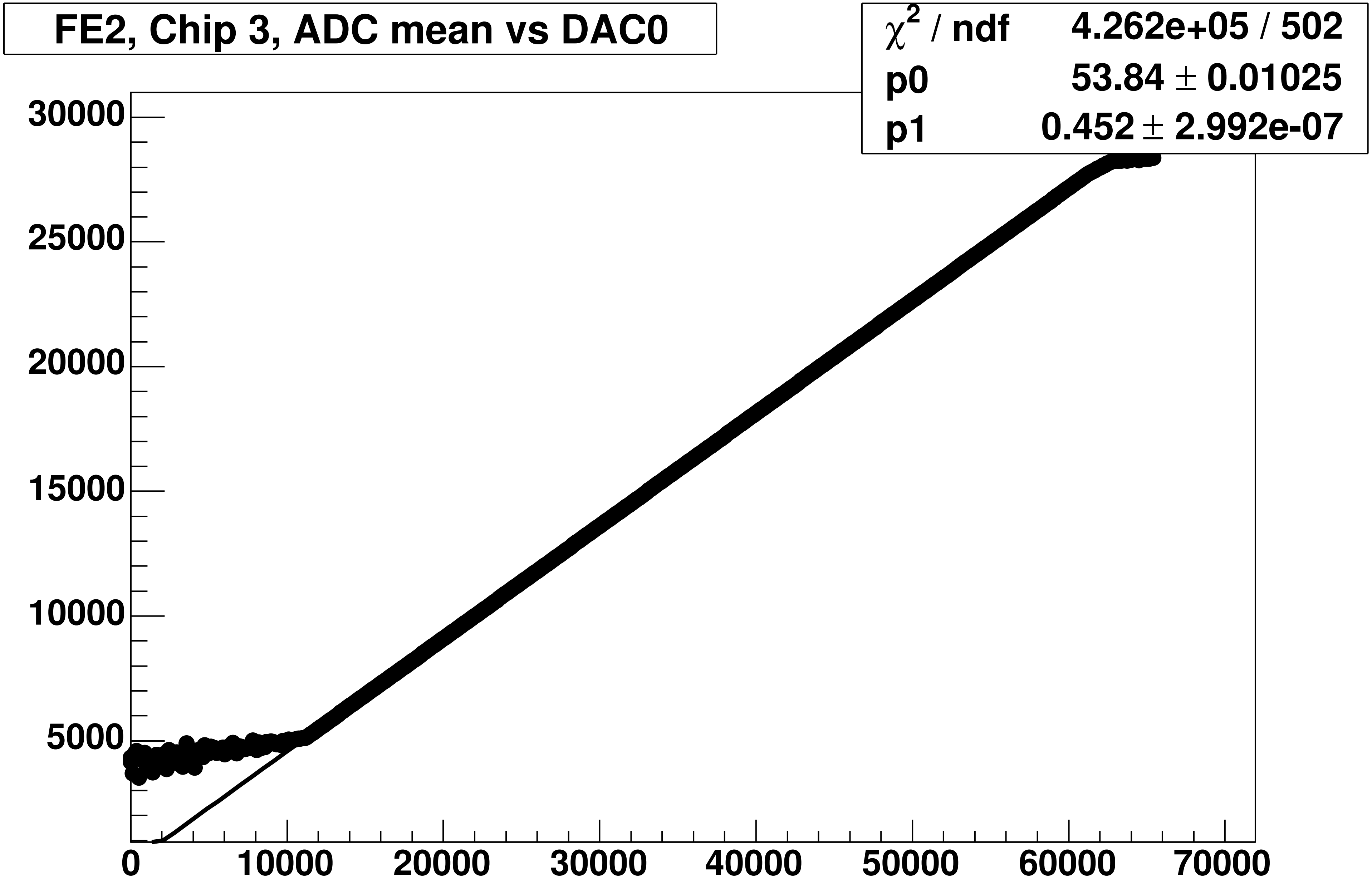


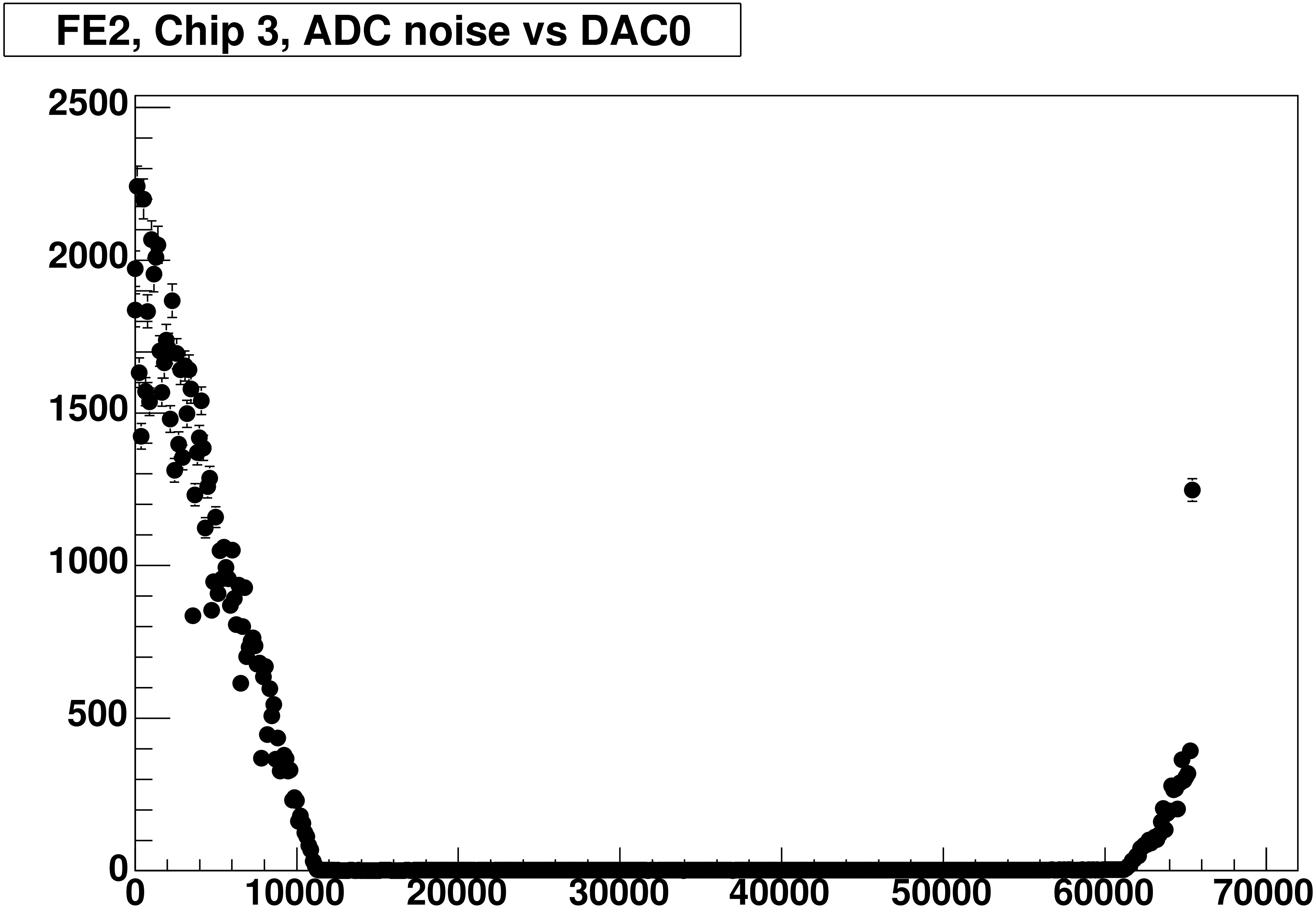
FE2, Chip 2, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

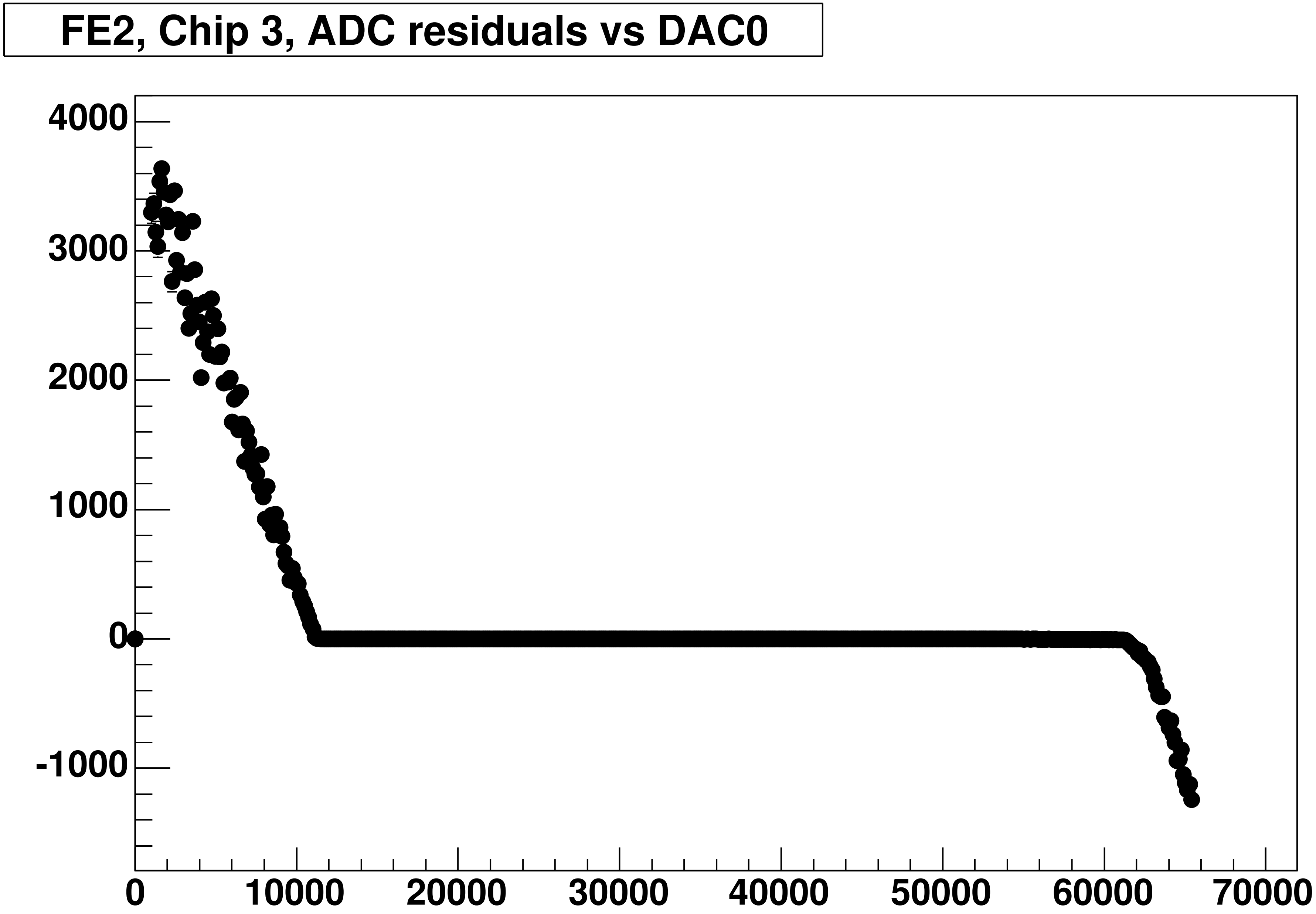

FE2, Chip 2, ADC mean vs DAC1
χ^2 / ndf 7481 / 502
p0 4186 ± 7.343
p1 -0.00139 ± 0.0001936
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

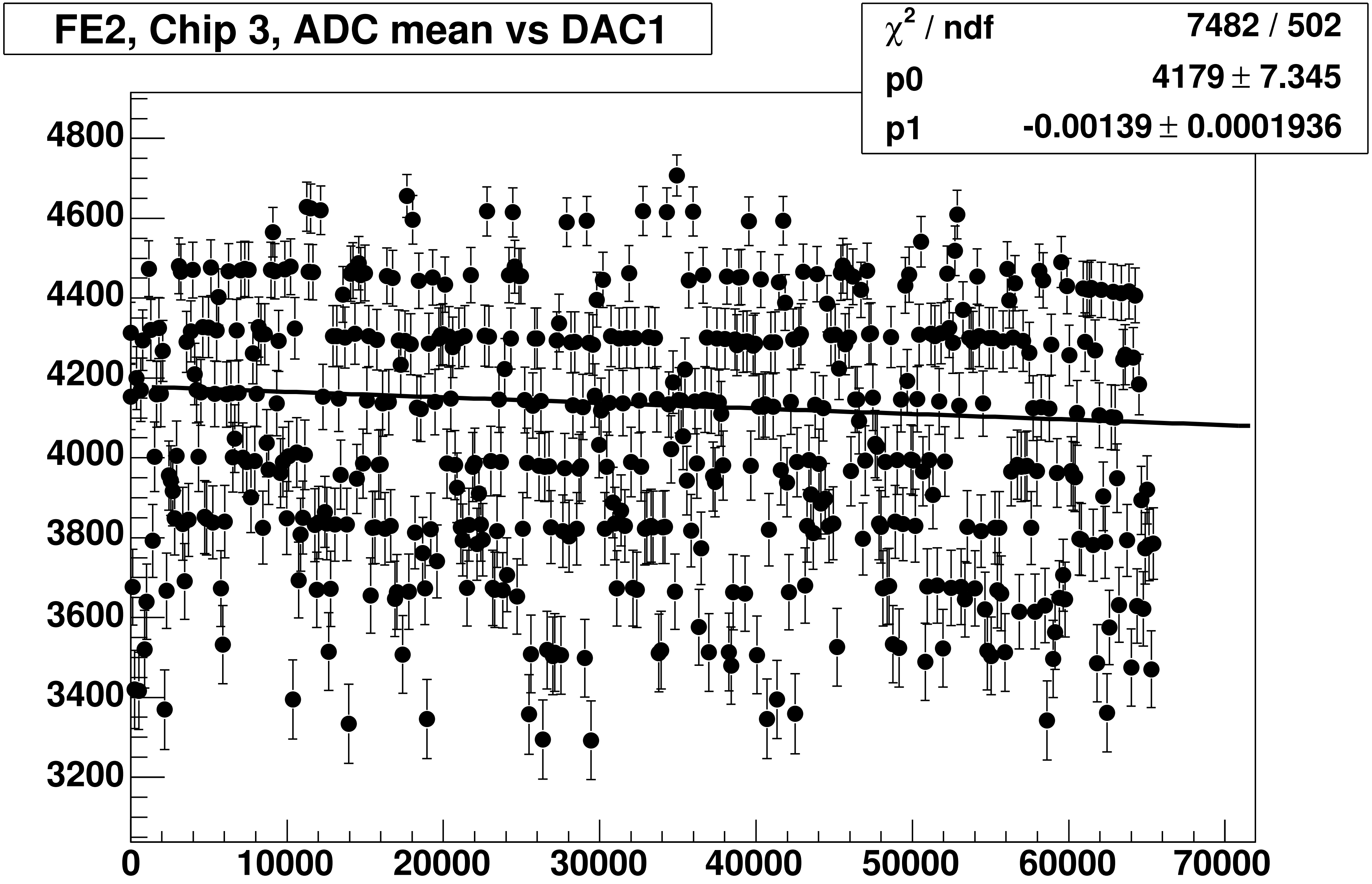

FE2, Chip 2, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

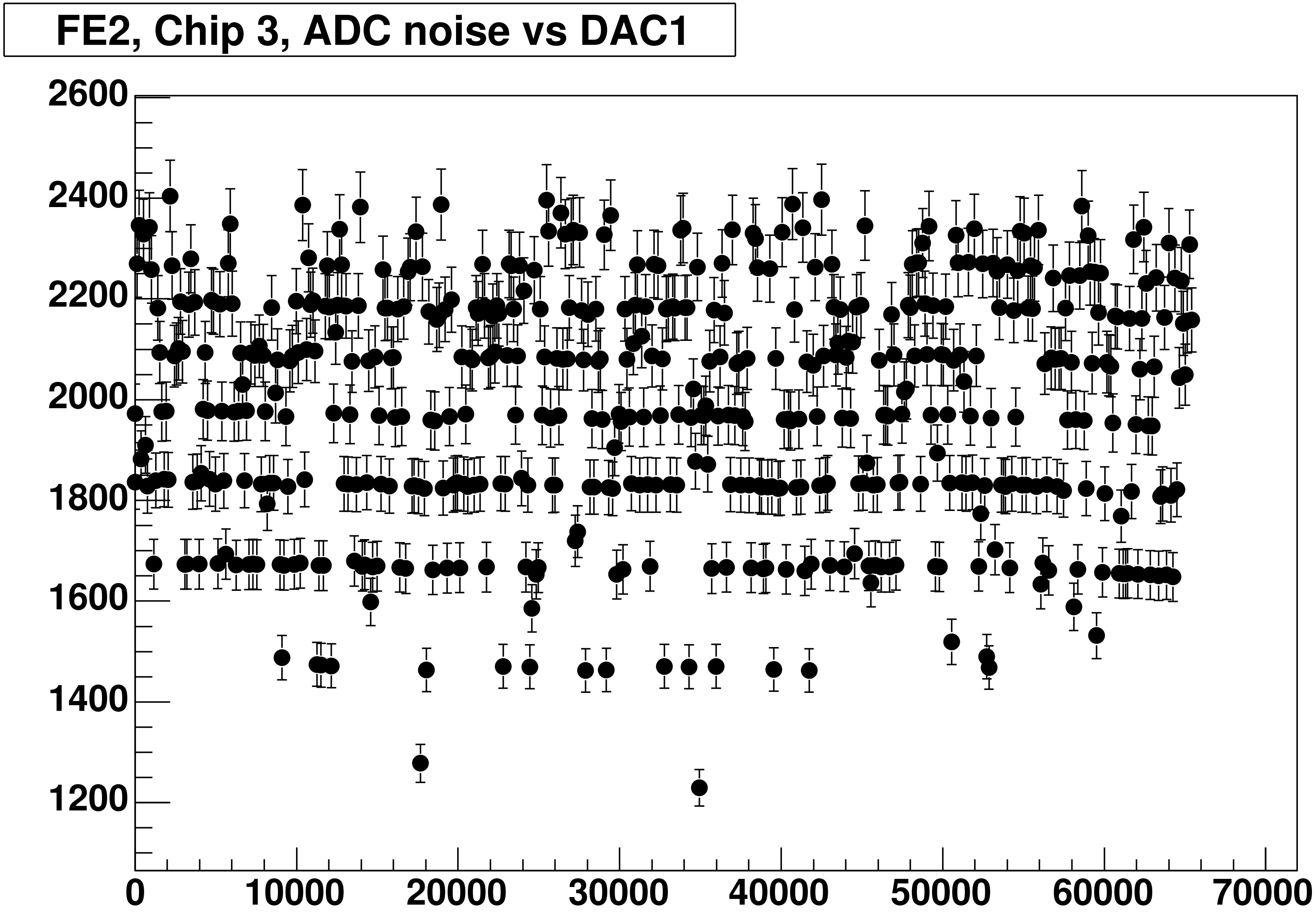

FE2, Chip 2, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

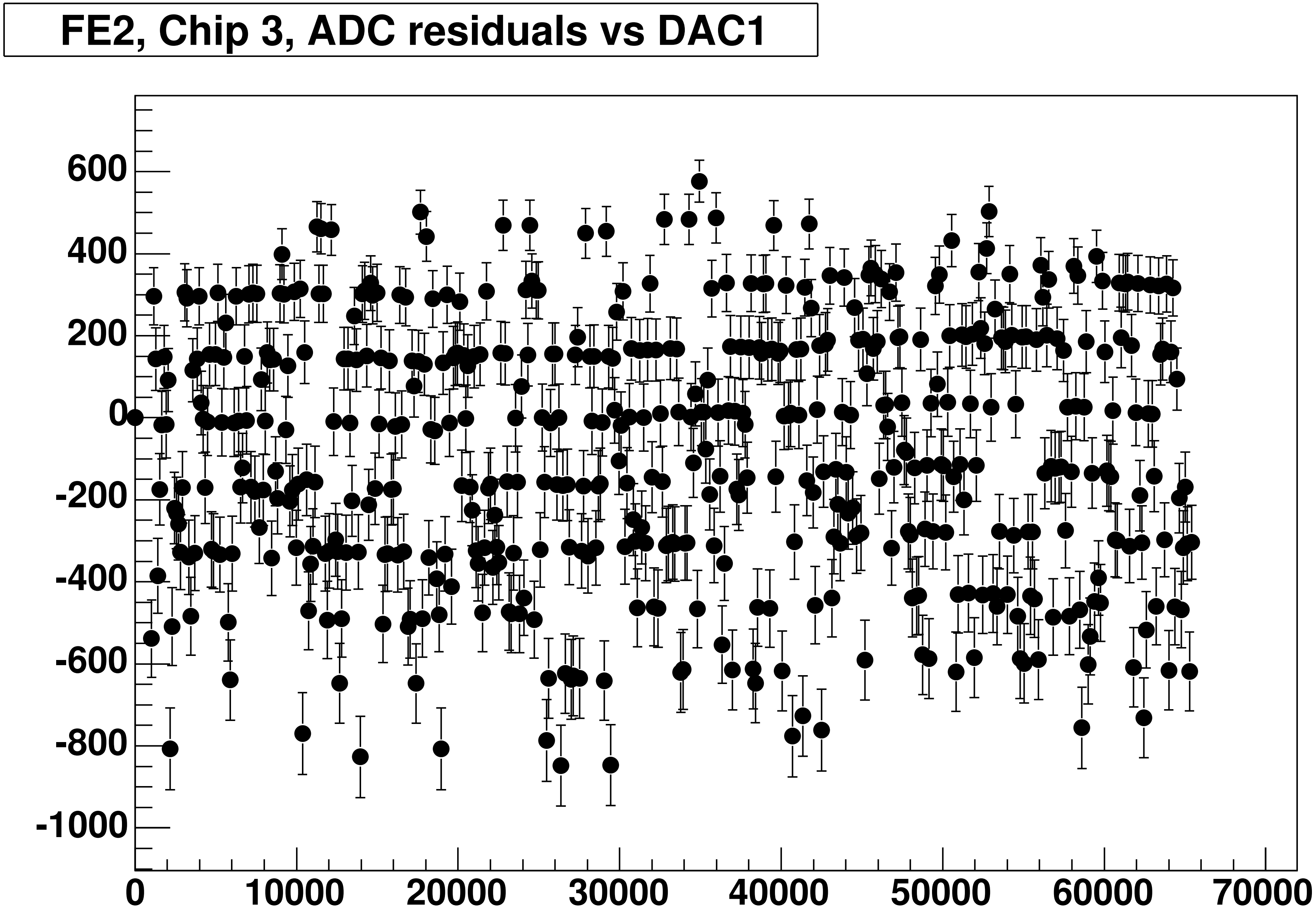

FE2, Chip 3, ADC mean vs DAC0
χ^2 / ndf 4.262e+05 / 502
p0 53.84 ± 0.01025
p1 0.452 ± 2.992e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

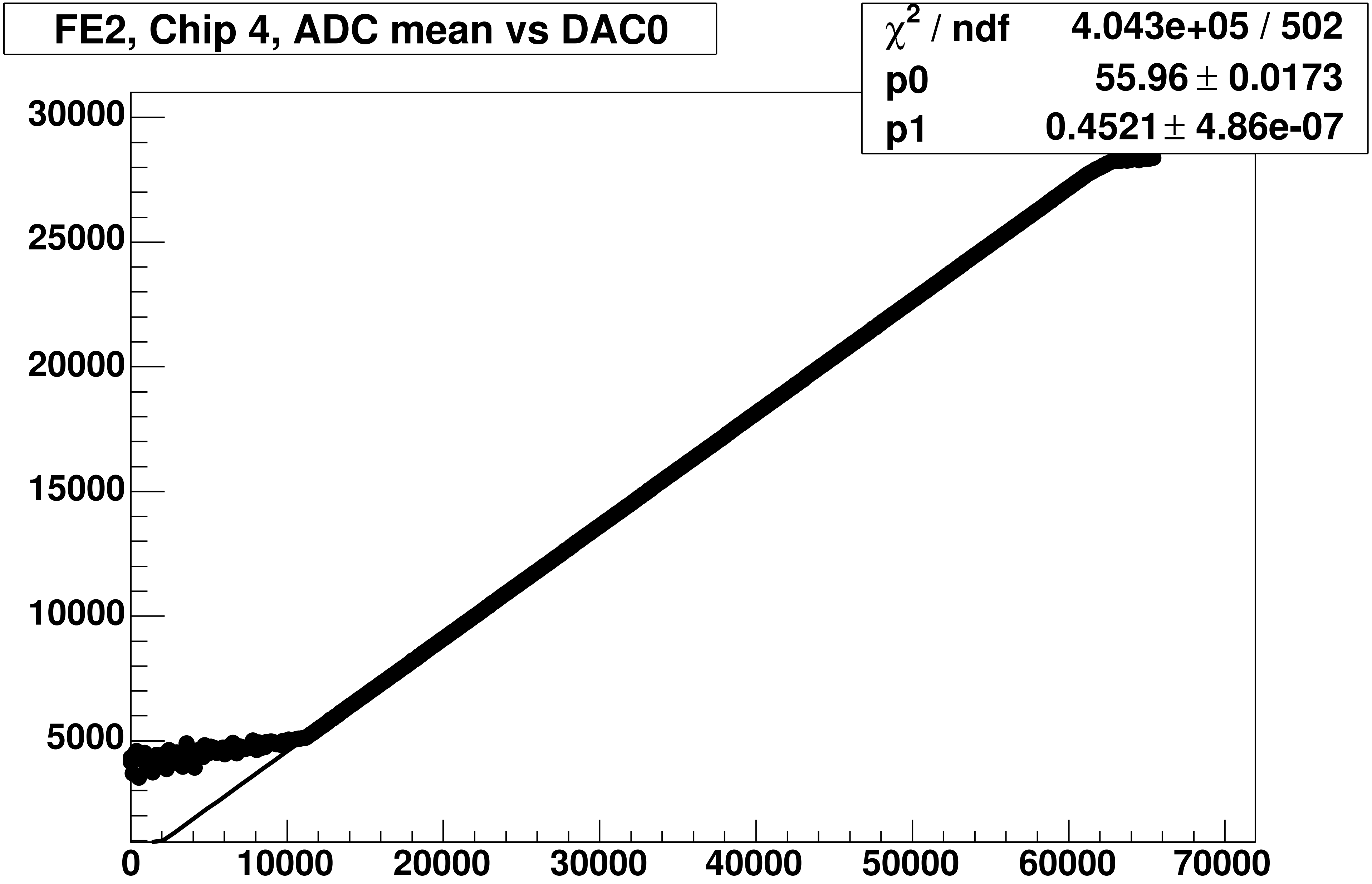

FE2, Chip 3, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

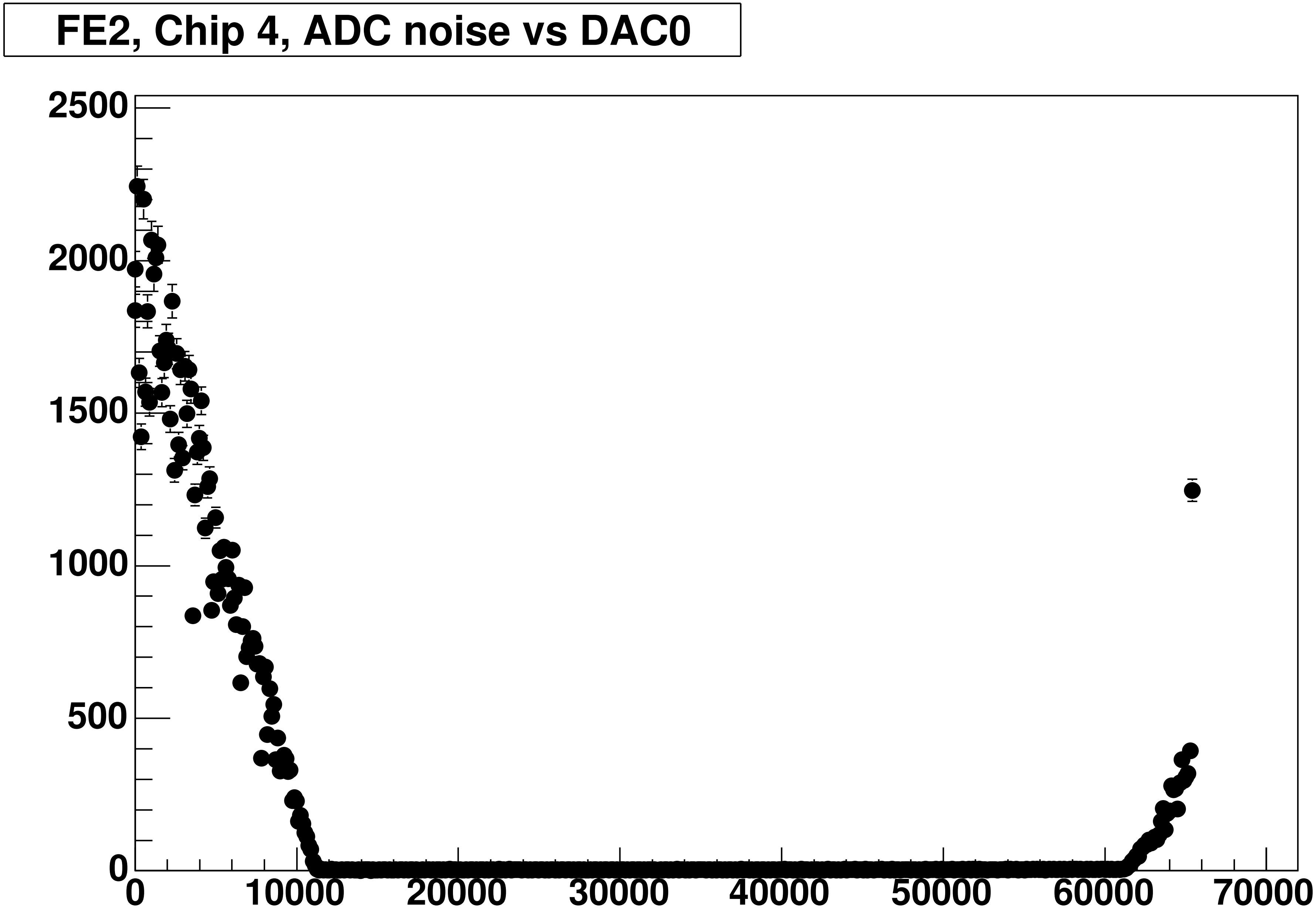

FE2, Chip 3, ADC mean vs DAC1
χ^2 / ndf 7482 / 502
p0 4179 ± 7.345
p1 -0.00139 ± 0.0001936
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

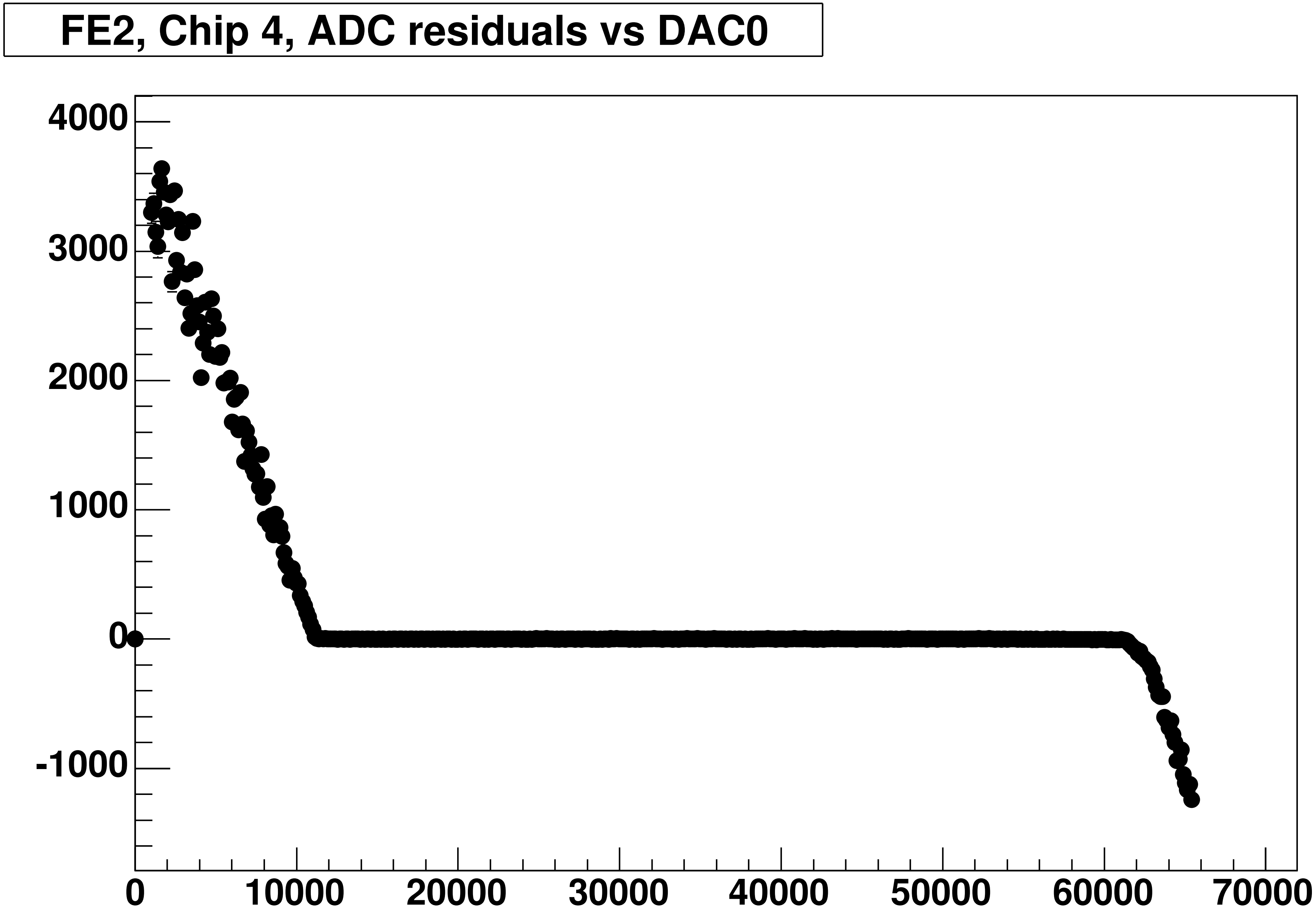

FE2, Chip 3, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

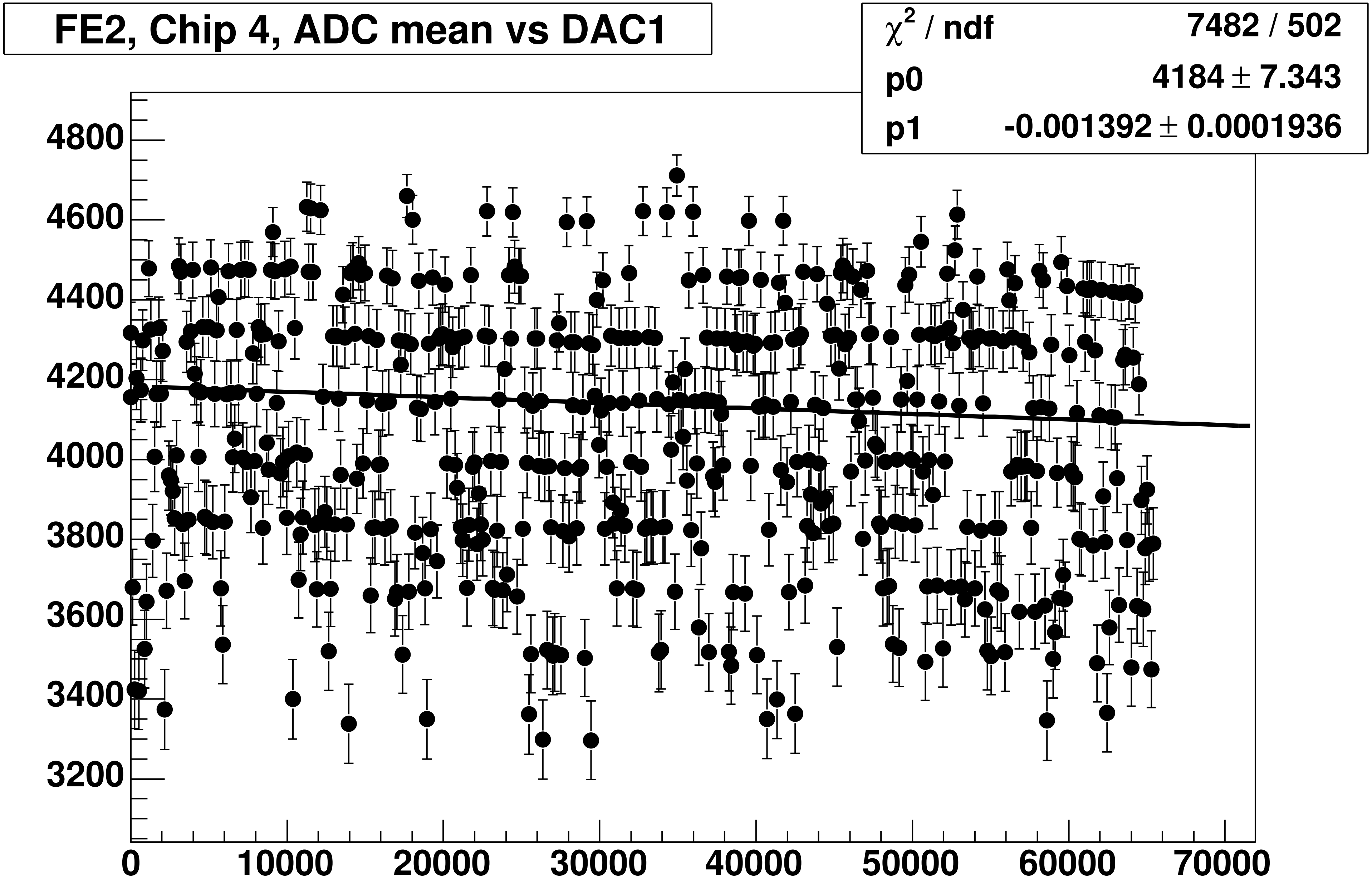

FE2, Chip 3, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



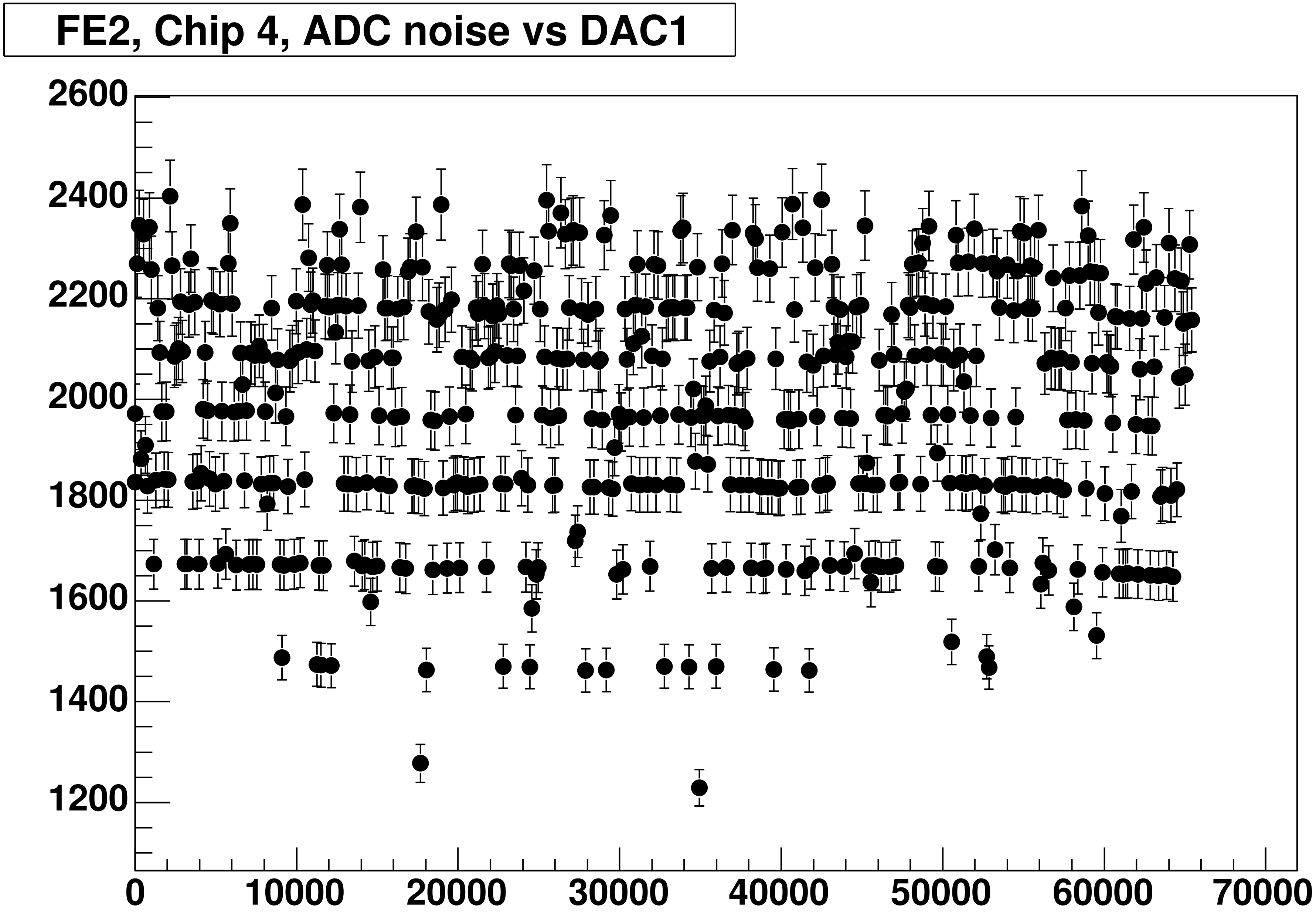
FE2, Chip 4, ADC mean vs DAC0
χ^2 / ndf 4.043e+05 / 502
p0 55.96 ± 0.0173
p1 0.4521 ± 4.86e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

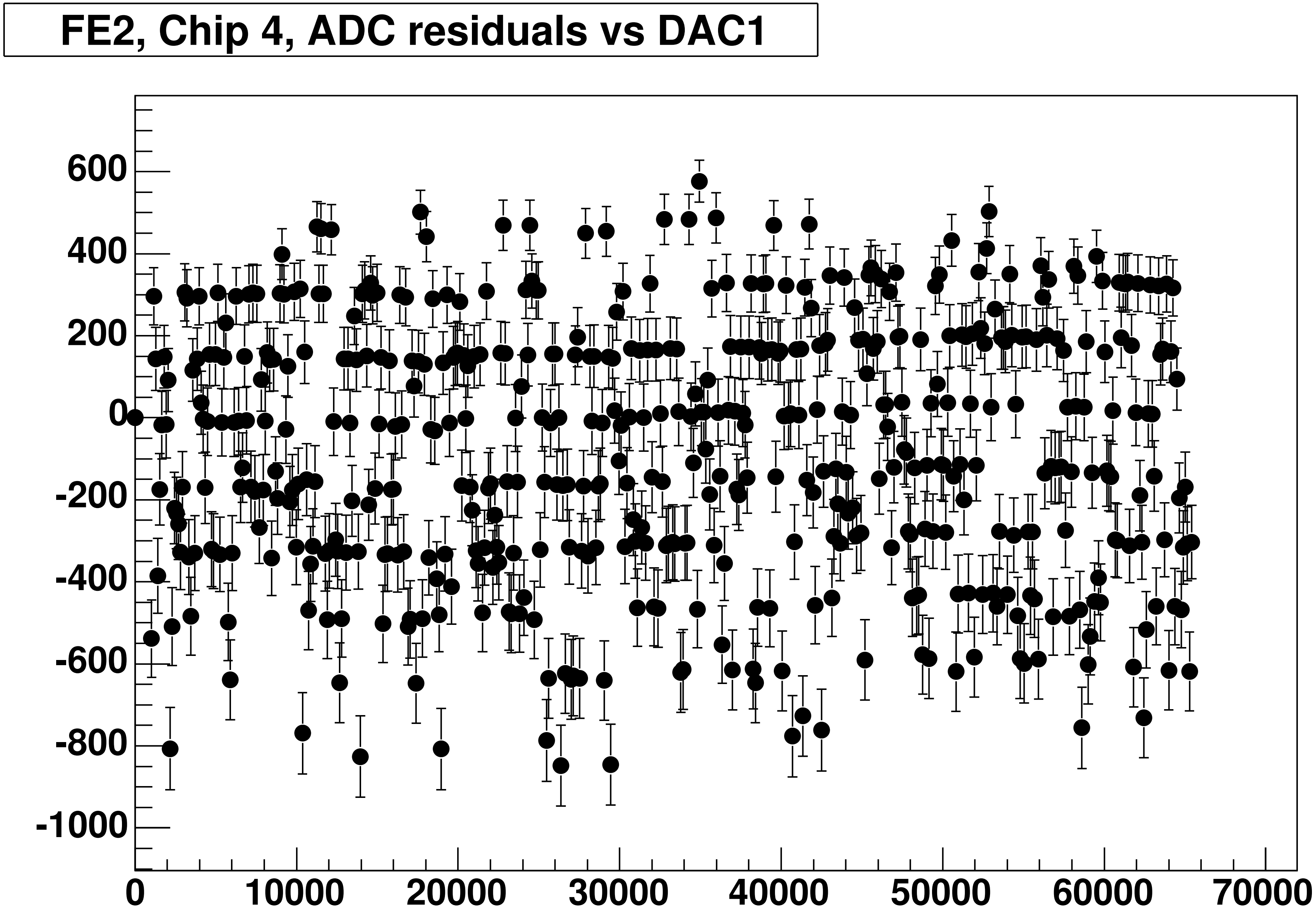

FE2, Chip 4, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

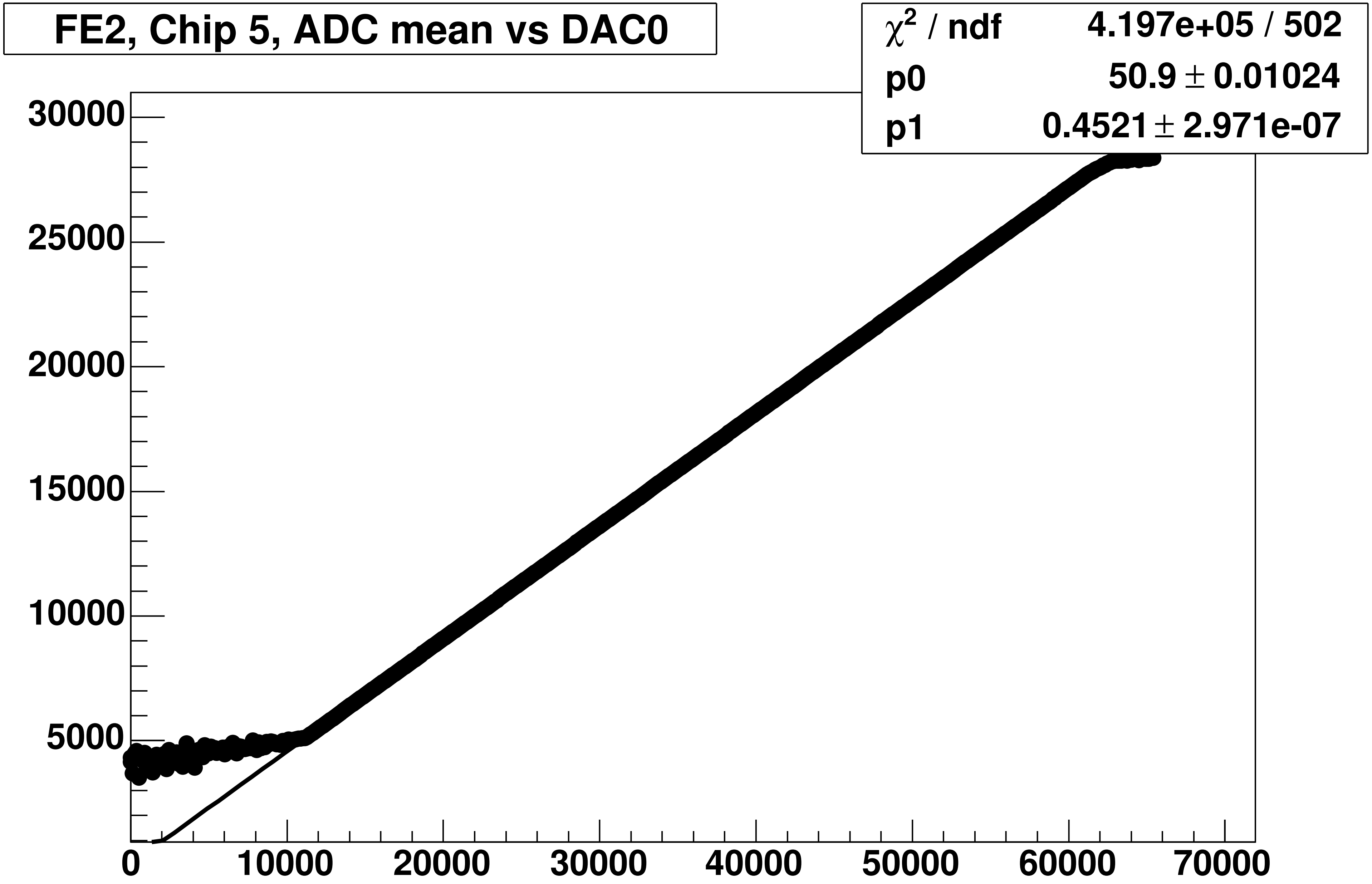

FE2, Chip 4, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

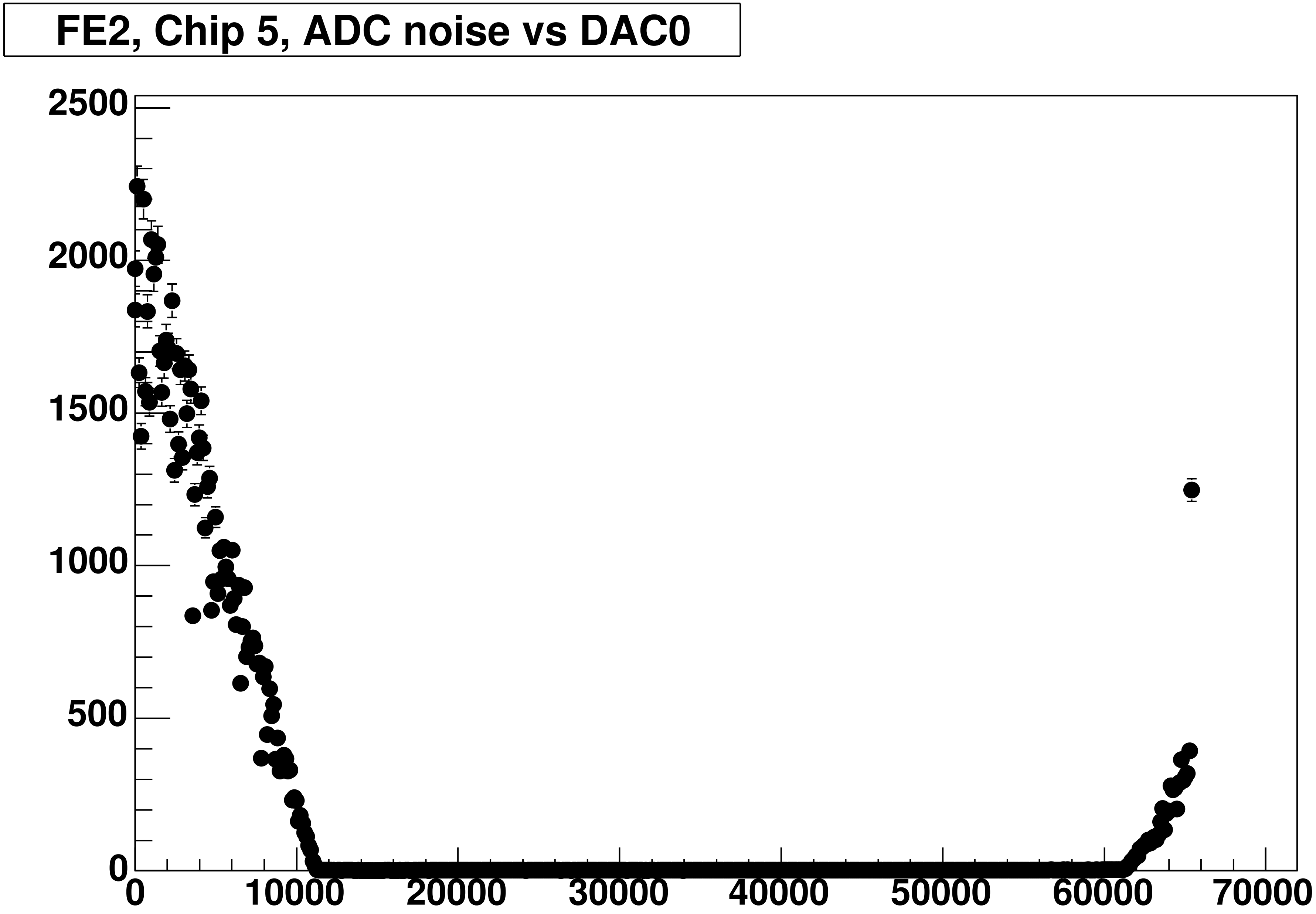


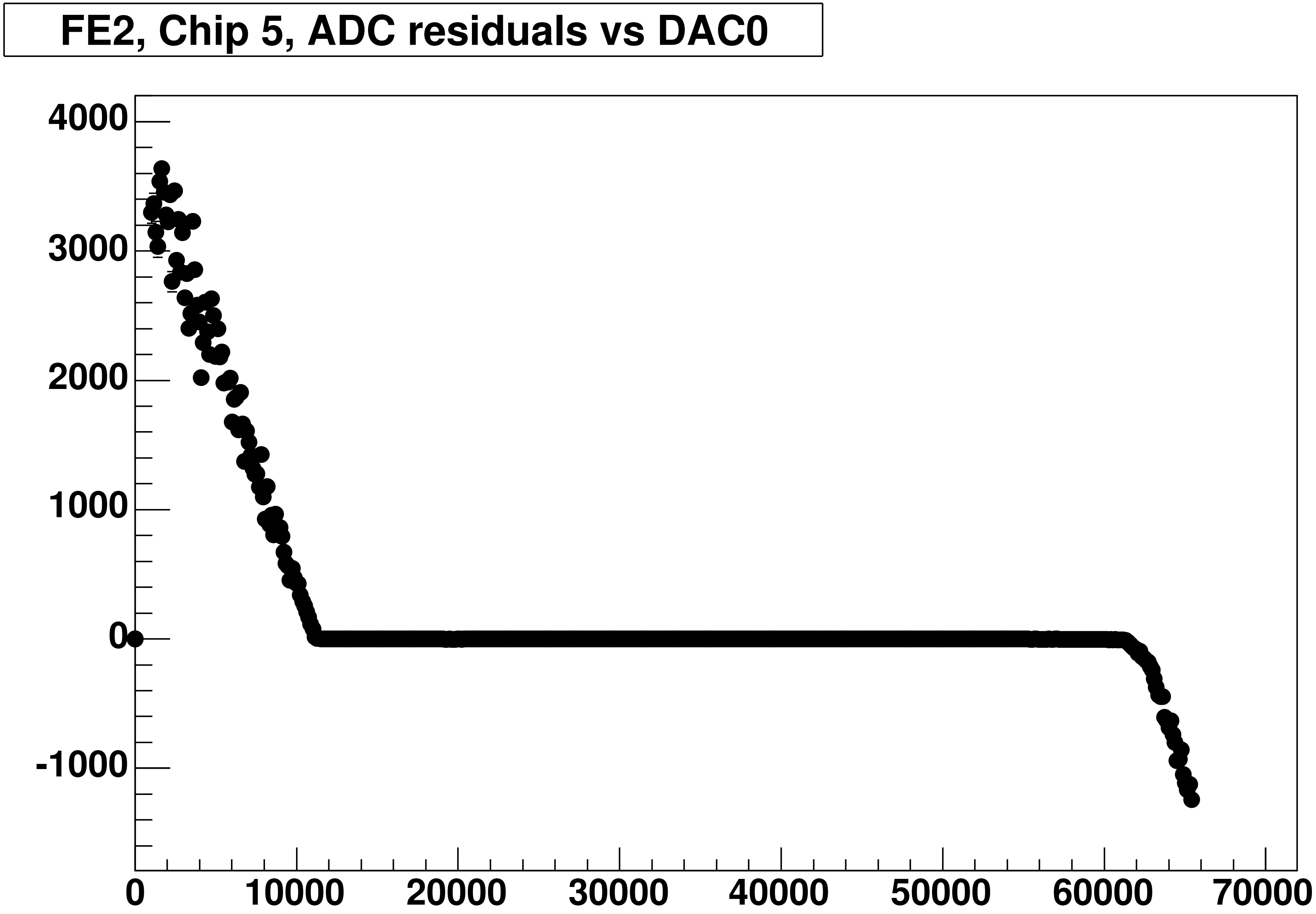
FE2, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7482 / 502
p0 4184 ± 7.343
p1 -0.001392 ± 0.0001936
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

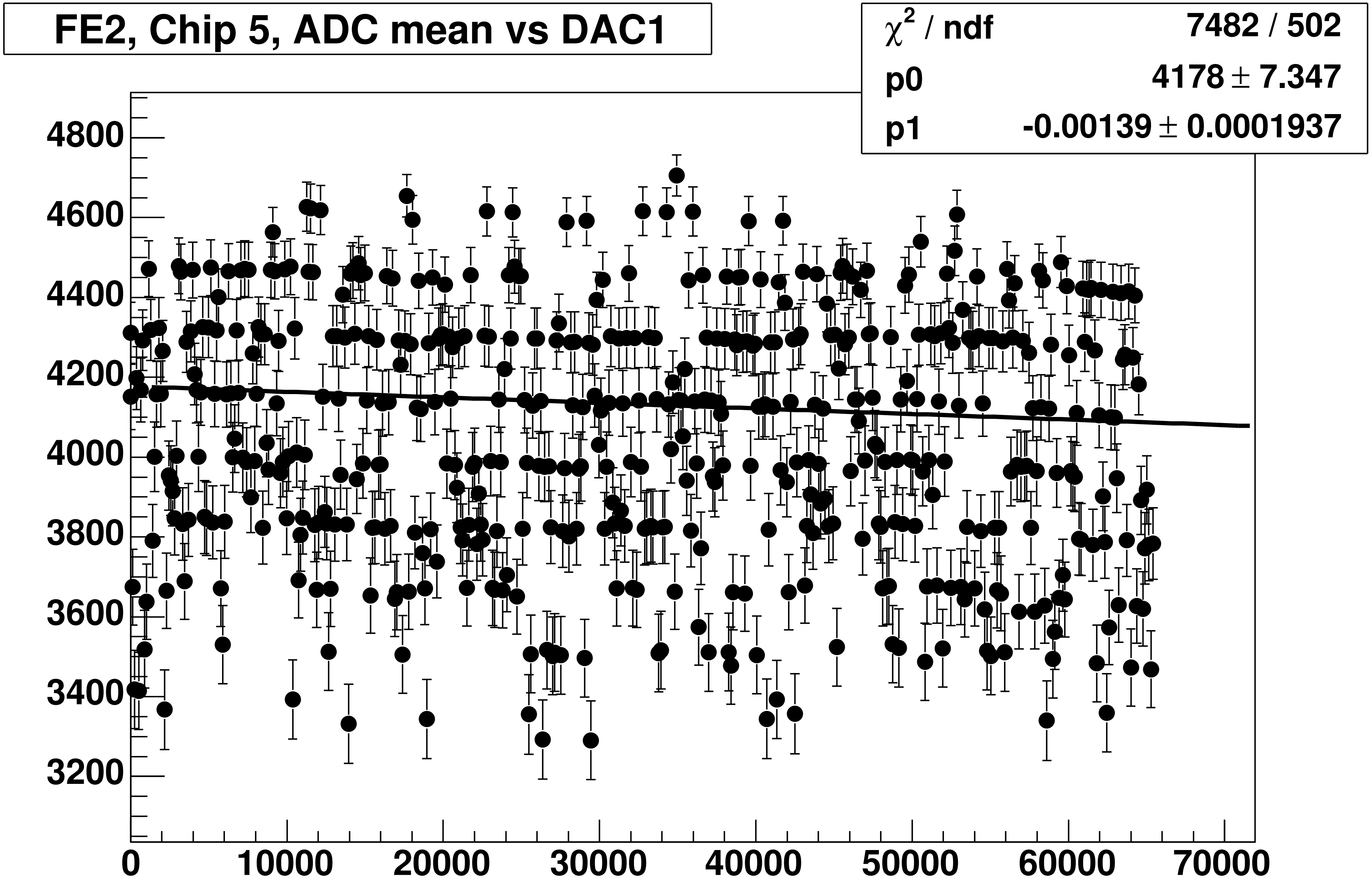

FE2, Chip 4, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 4, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

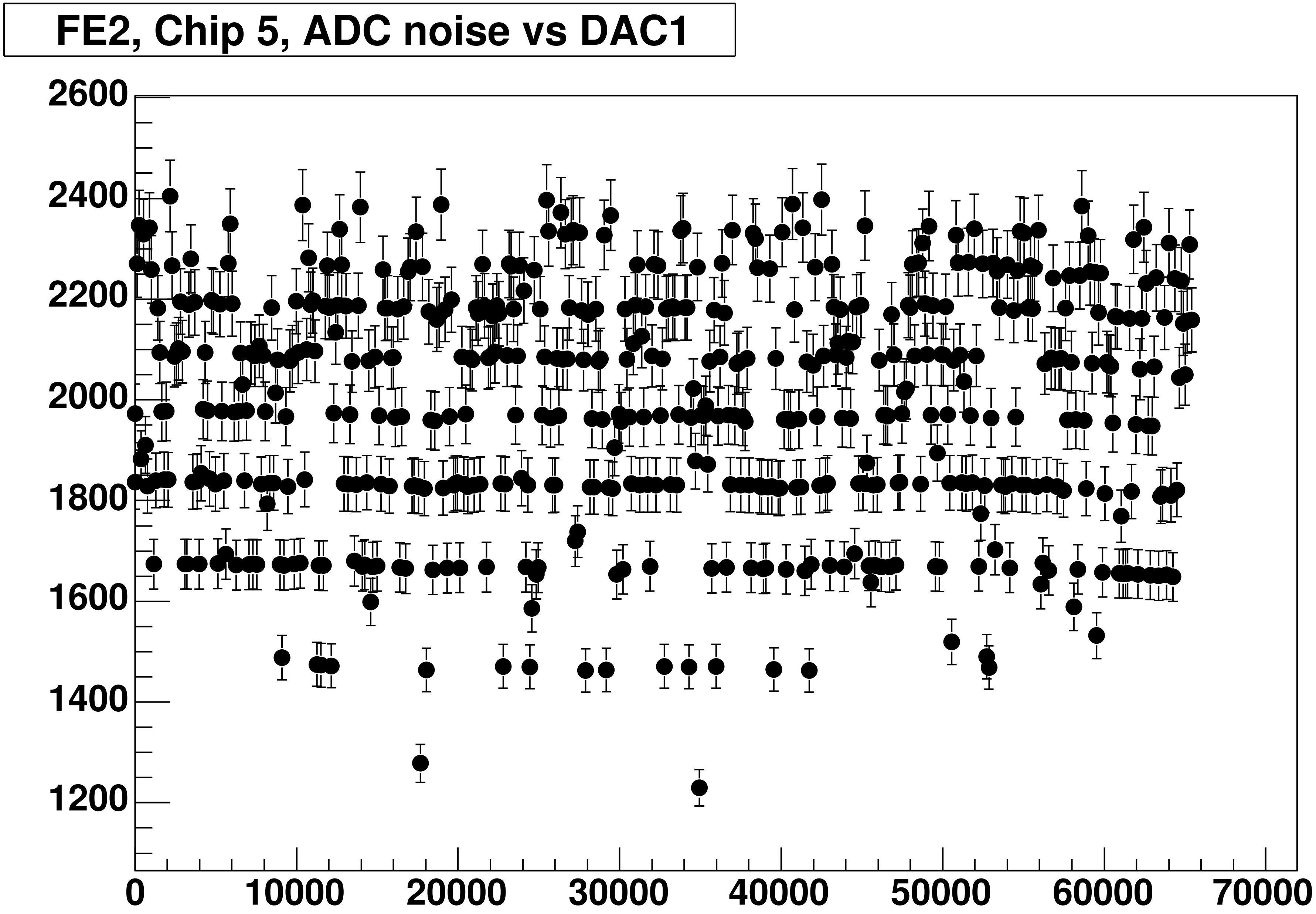

FE2, Chip 5, ADC mean vs DAC0
χ^2 / ndf 4.197e+05 / 502
p0 50.9 ± 0.01024
p1 0.4521 ± 2.971e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

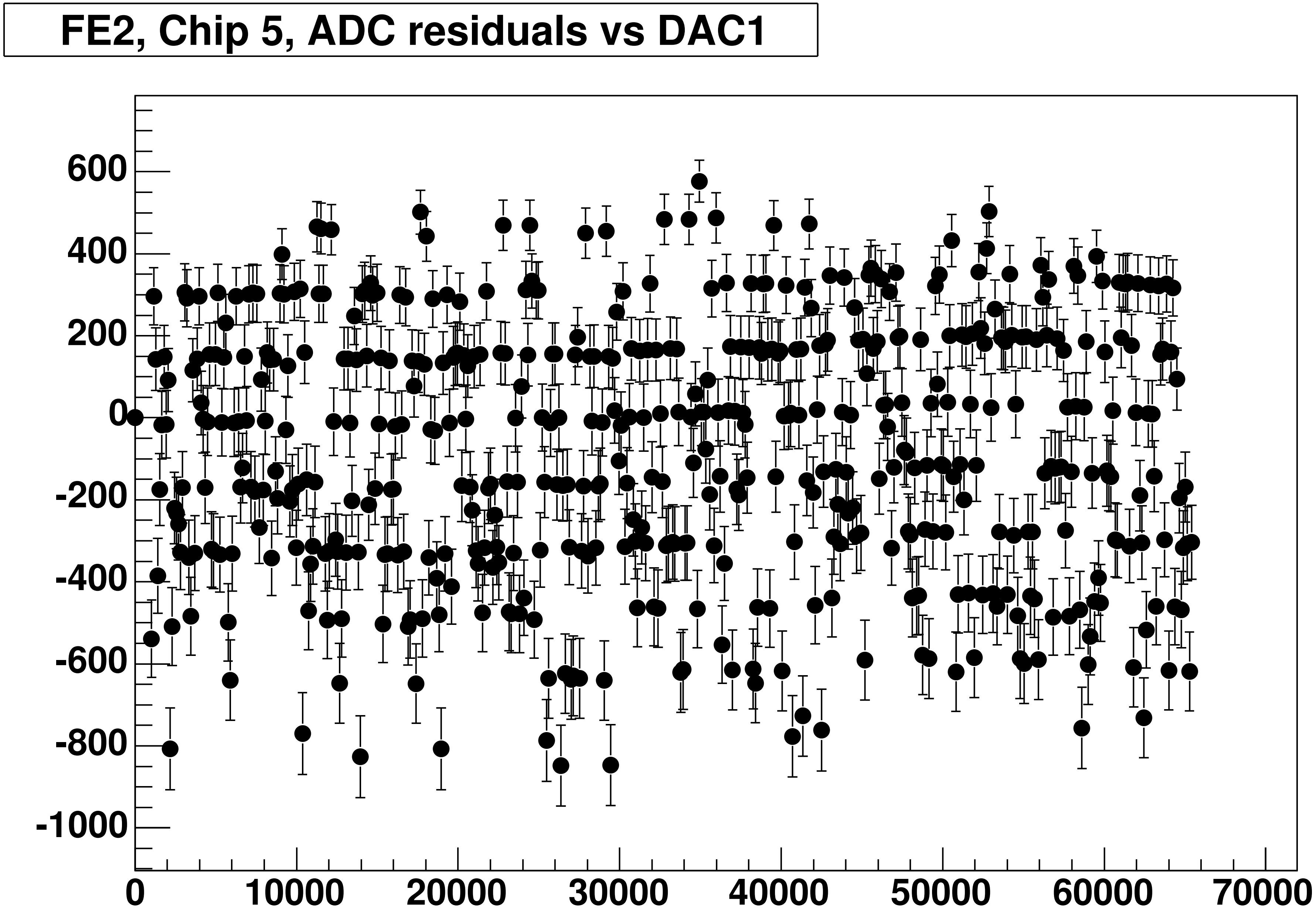

FE2, Chip 5, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

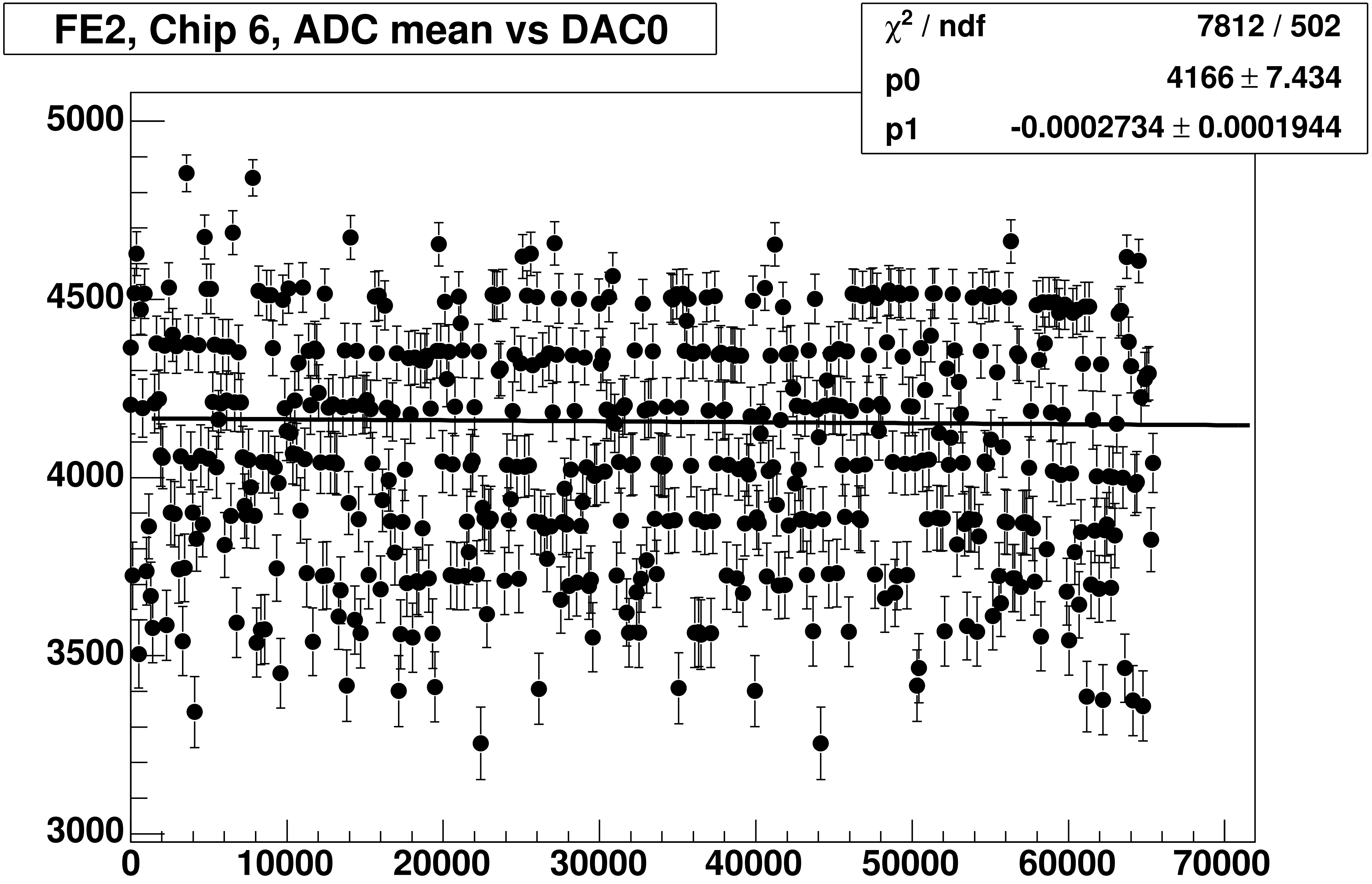

FE2, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

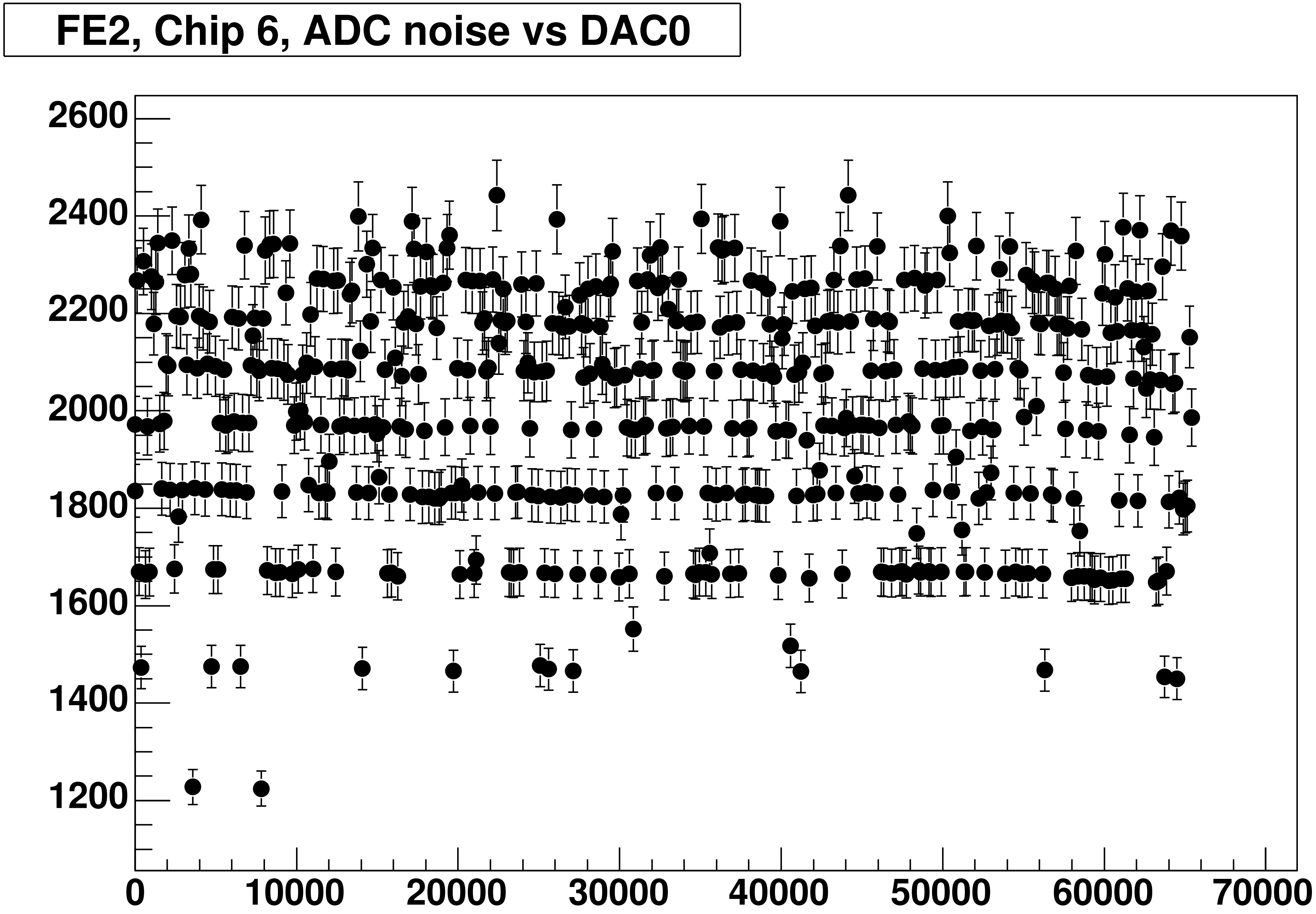


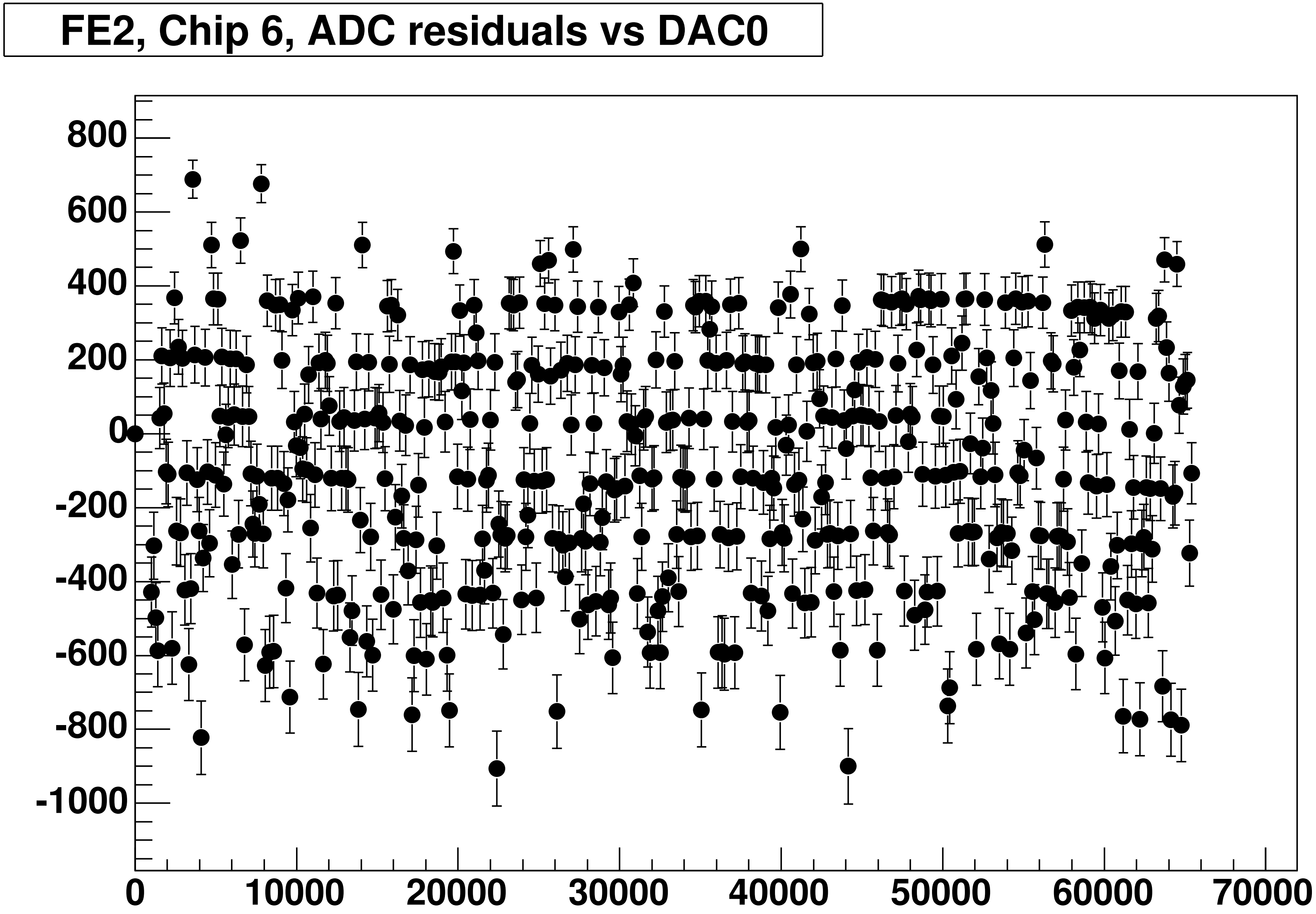
FE2, Chip 5, ADC mean vs DAC1
χ^2 / ndf 7482 / 502
p0 4178 ± 7.347
p1 -0.00139 ± 0.0001937
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

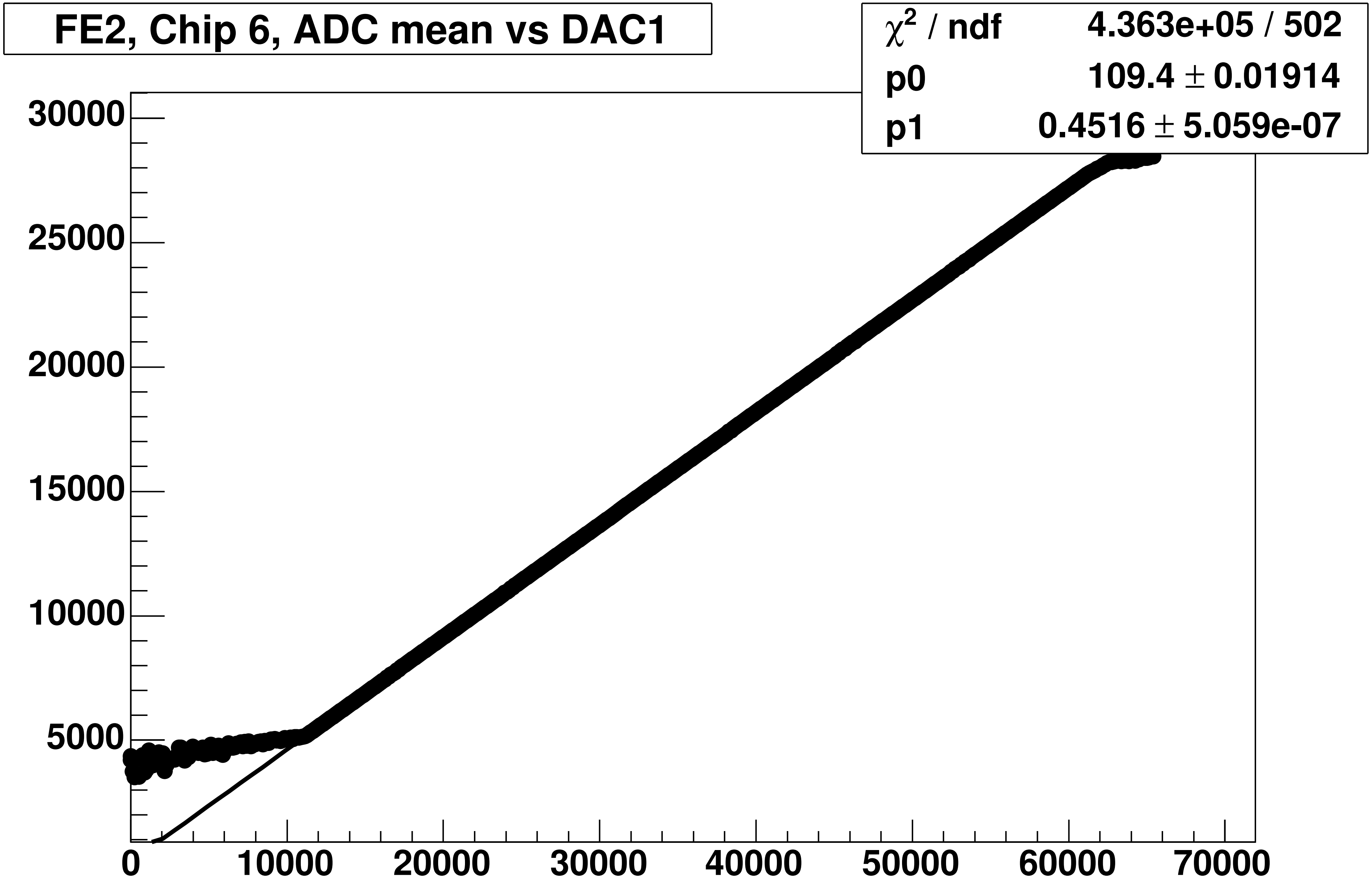

FE2, Chip 5, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

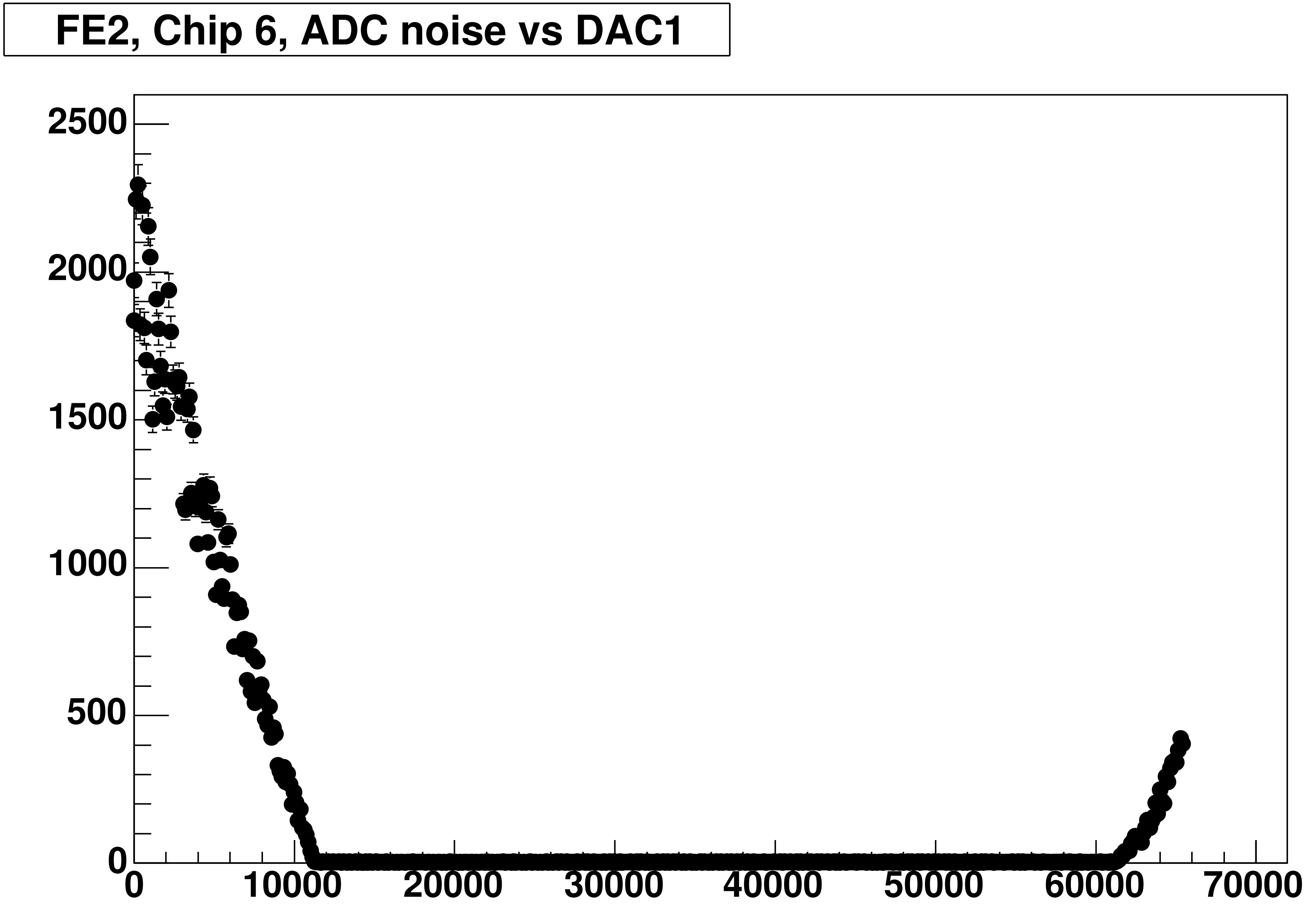

FE2, Chip 5, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 6, ADC mean vs DAC0
χ² / ndf 7812 / 502
p0 4166 ± 7.434
p1 -0.0002734 ± 0.0001944
5000
4500
4000
3500
3000
0
10000
20000
30000
40000
50000
60000
70000

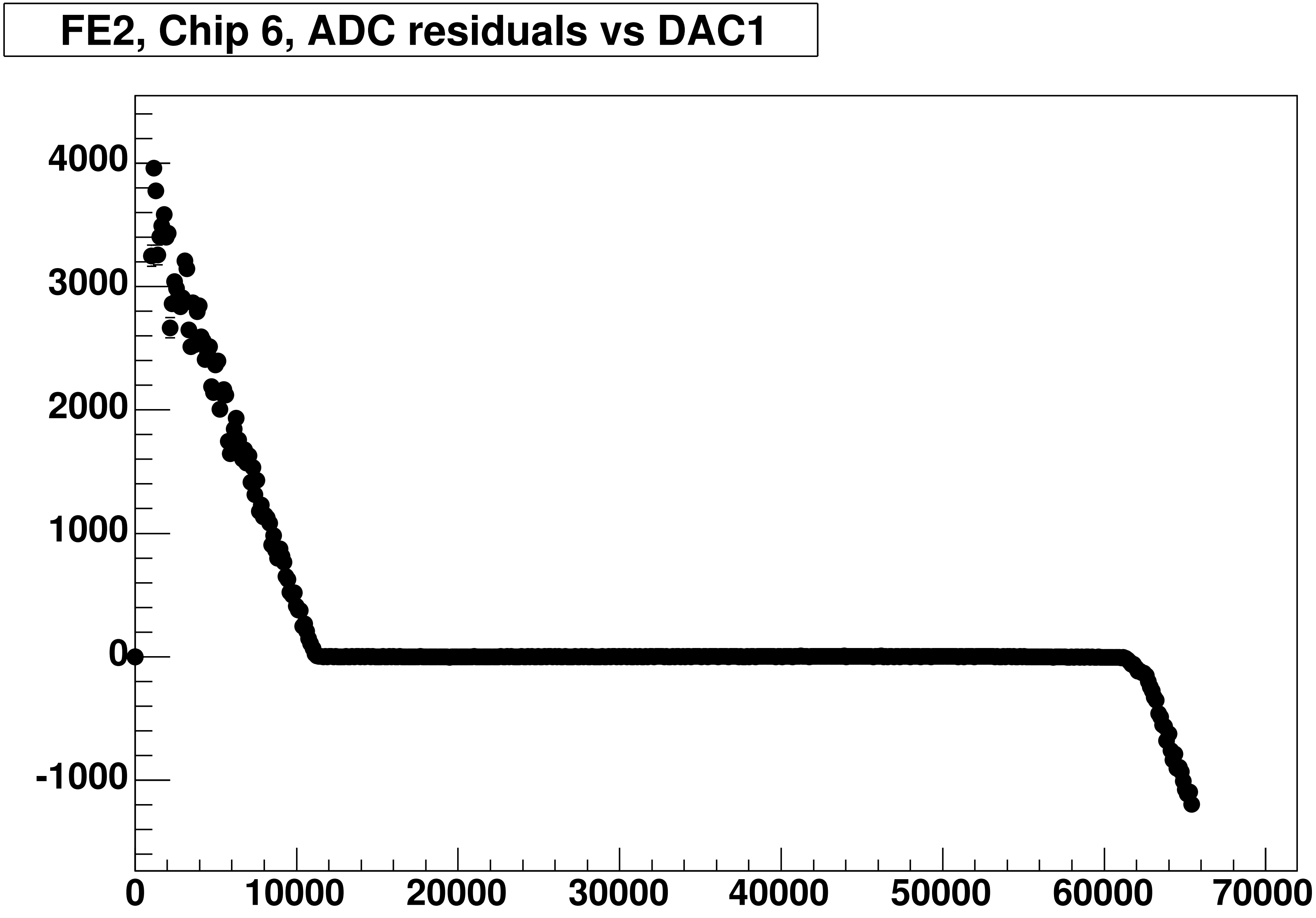

FE2, Chip 6, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

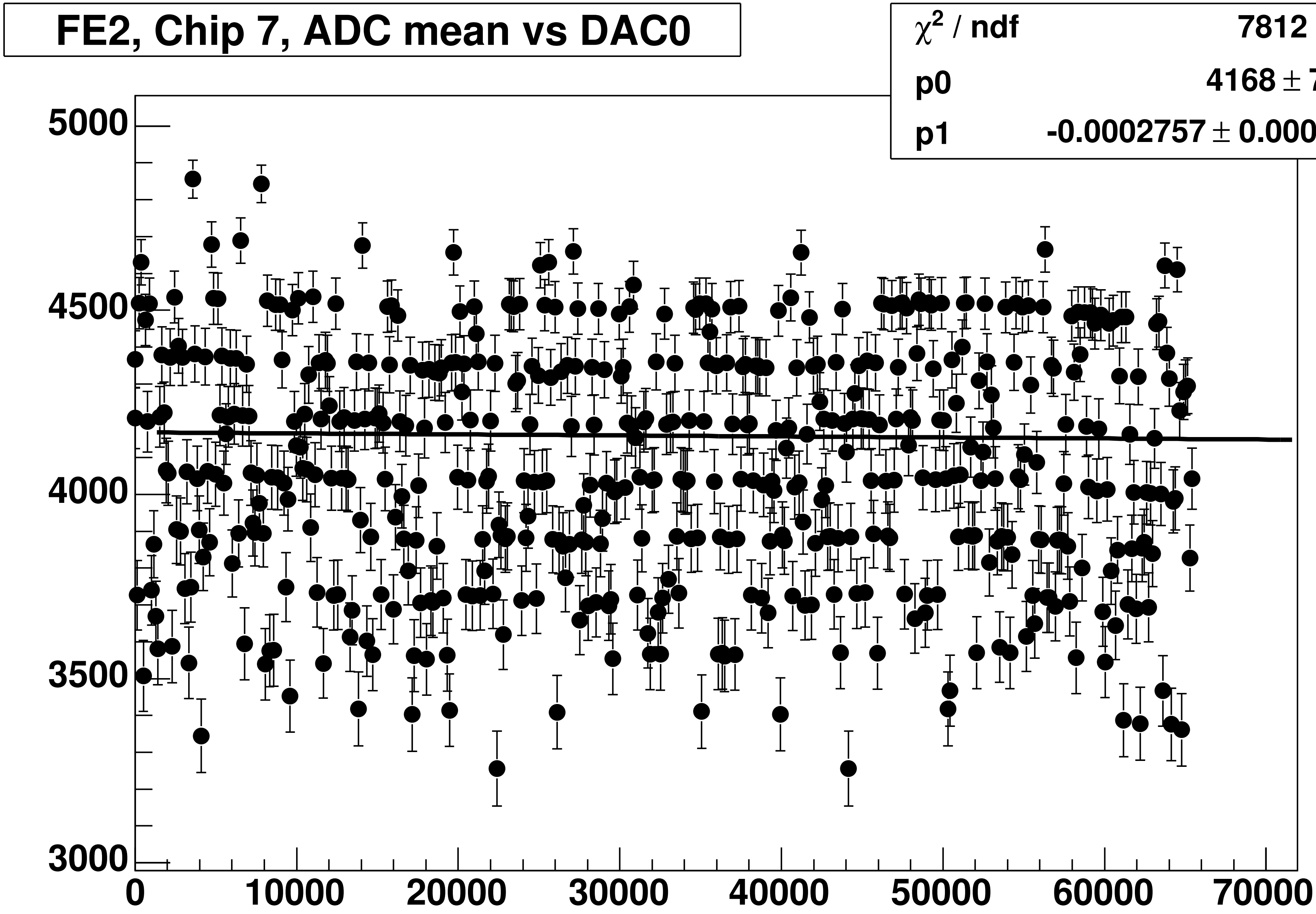

FE2, Chip 6, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 6, ADC mean vs DAC1
χ^2 / ndf 4.363e+05 / 502
p0 109.4 ± 0.01914
p1 0.4516 ± 5.059e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

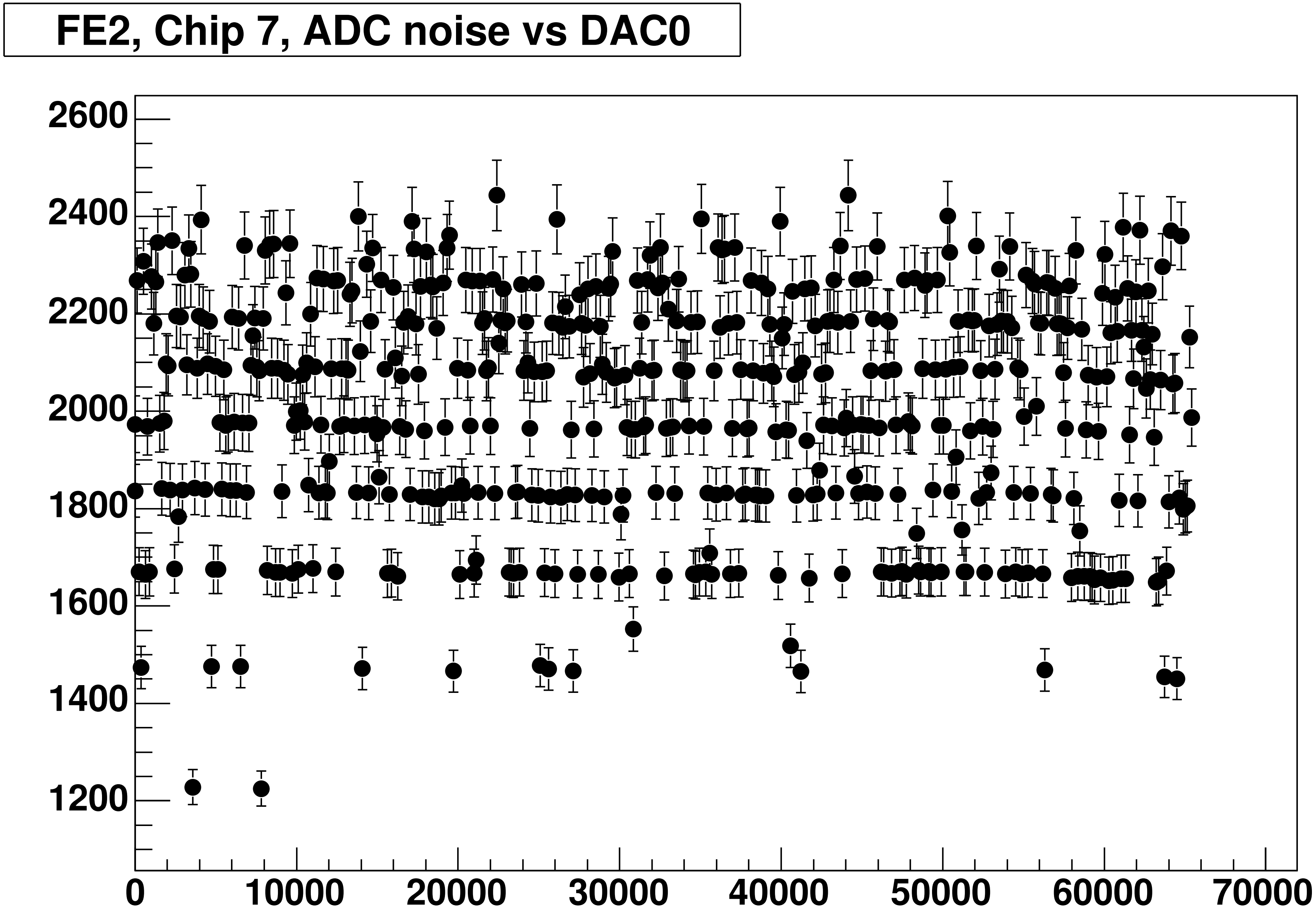


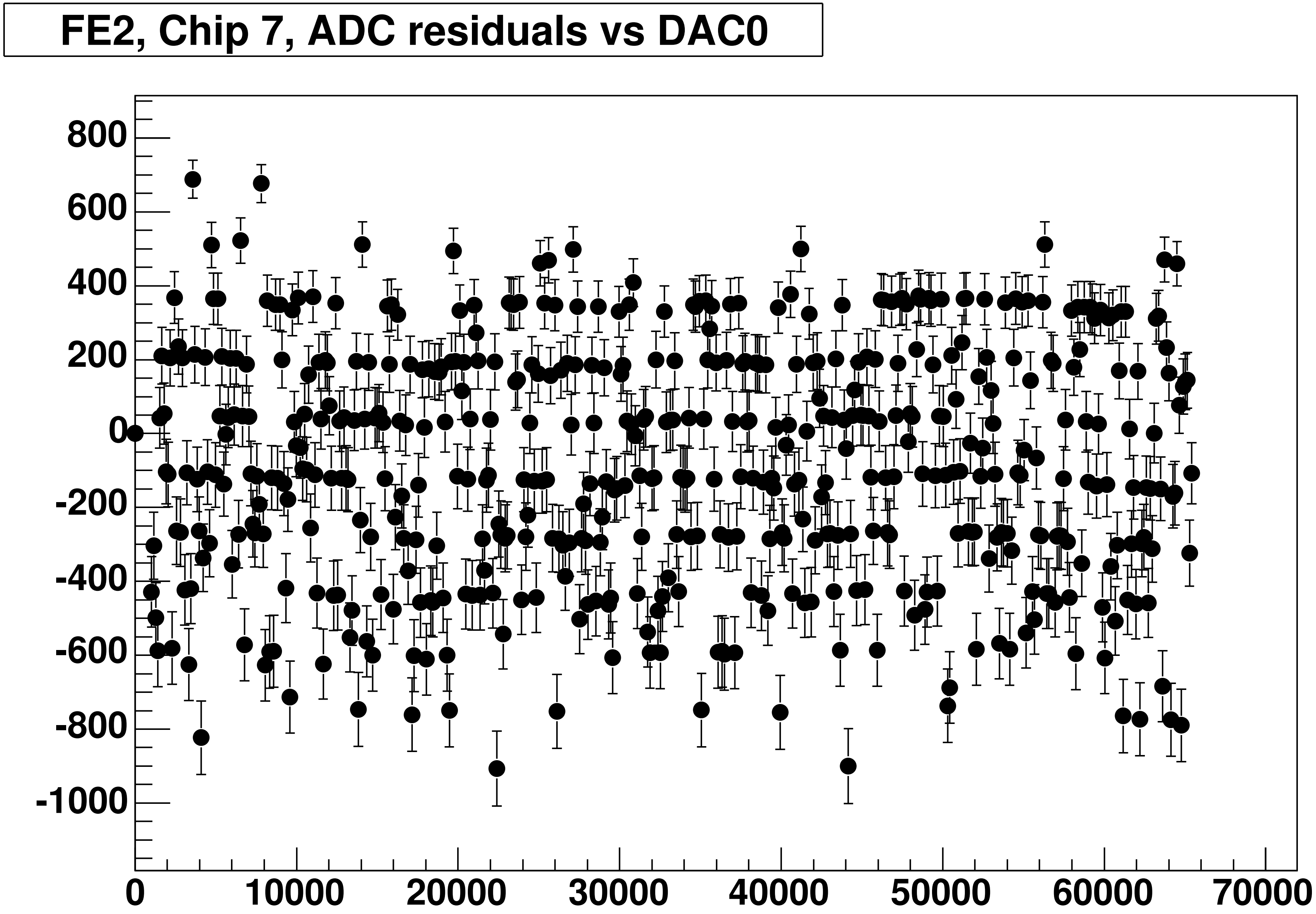
FE2, Chip 6, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

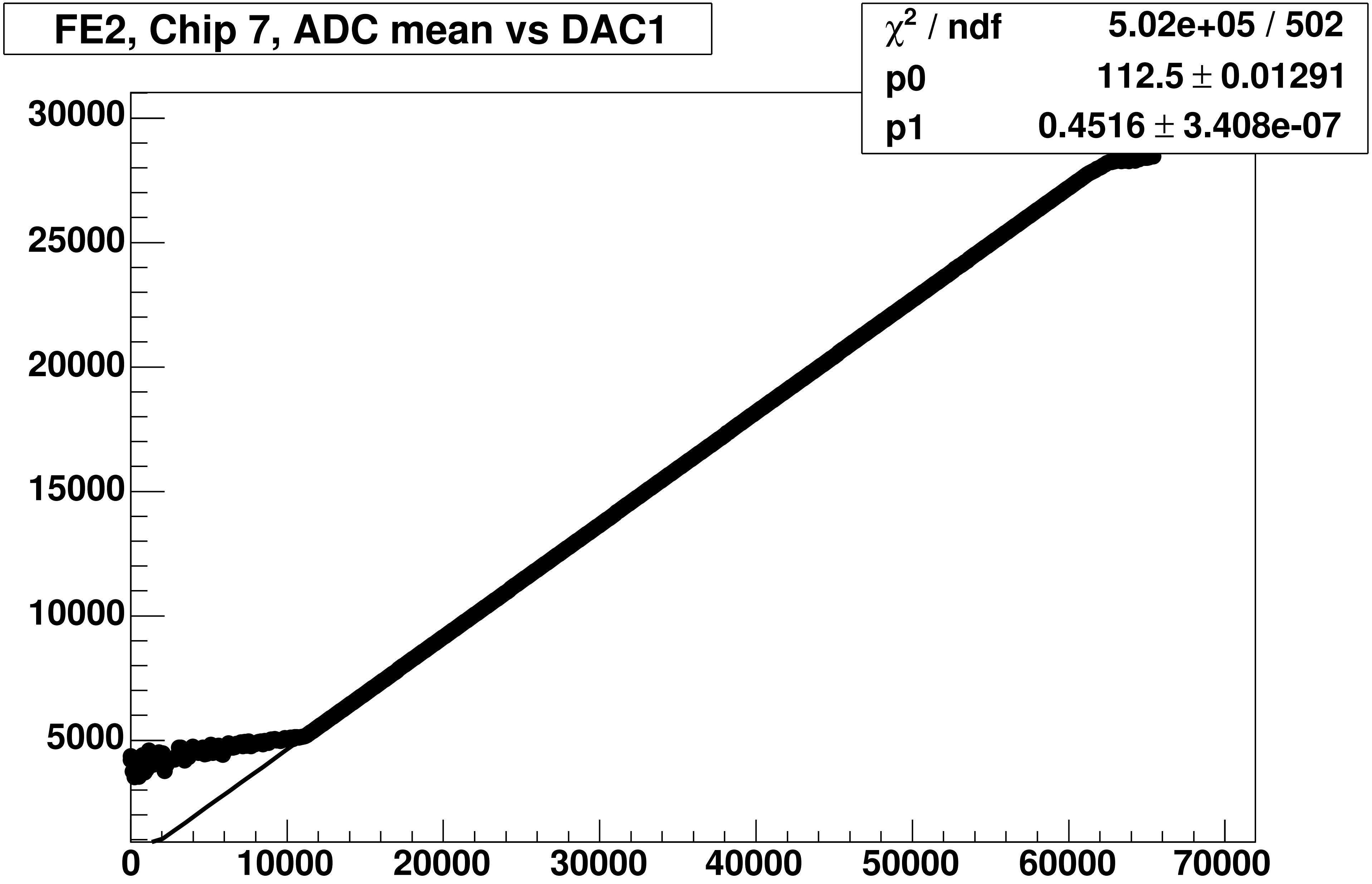

FE2, Chip 6, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

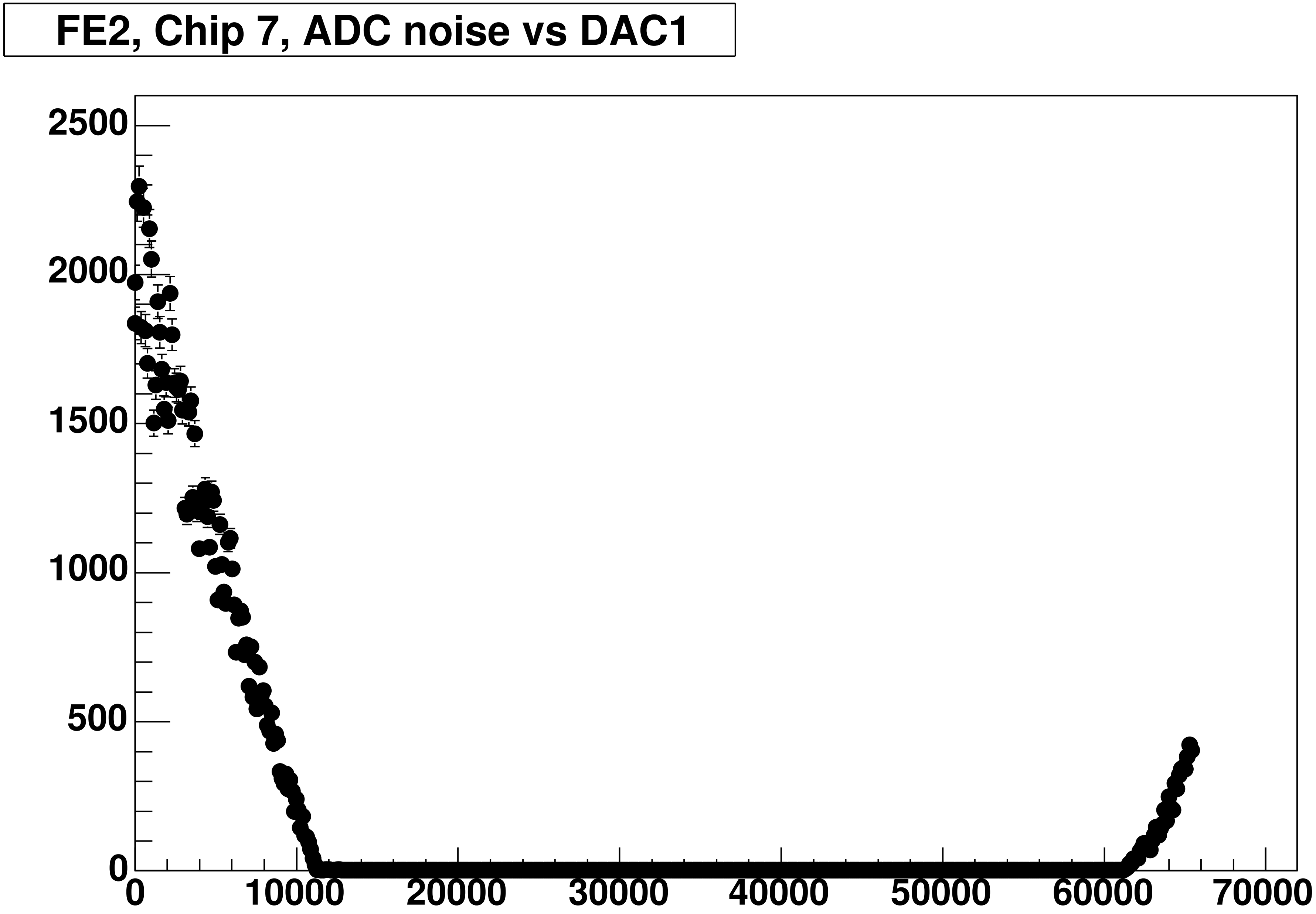


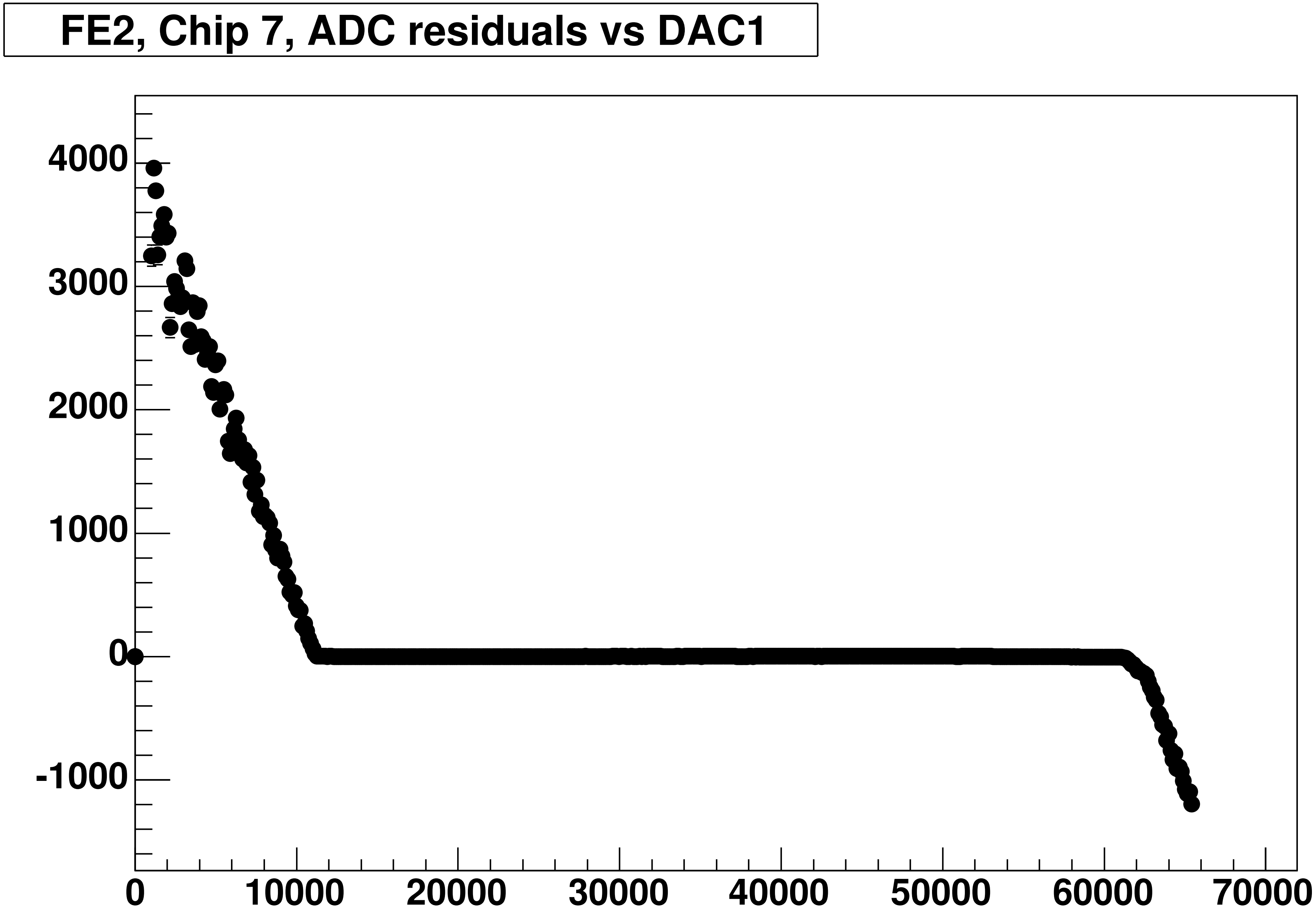
FE2, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7812 / 502
p0 4168 ± 7.437
p1 -0.0002757 ± 0.0001944
5000
4500
4000
3500
3000
0
10000
20000
30000
40000
50000
60000
70000

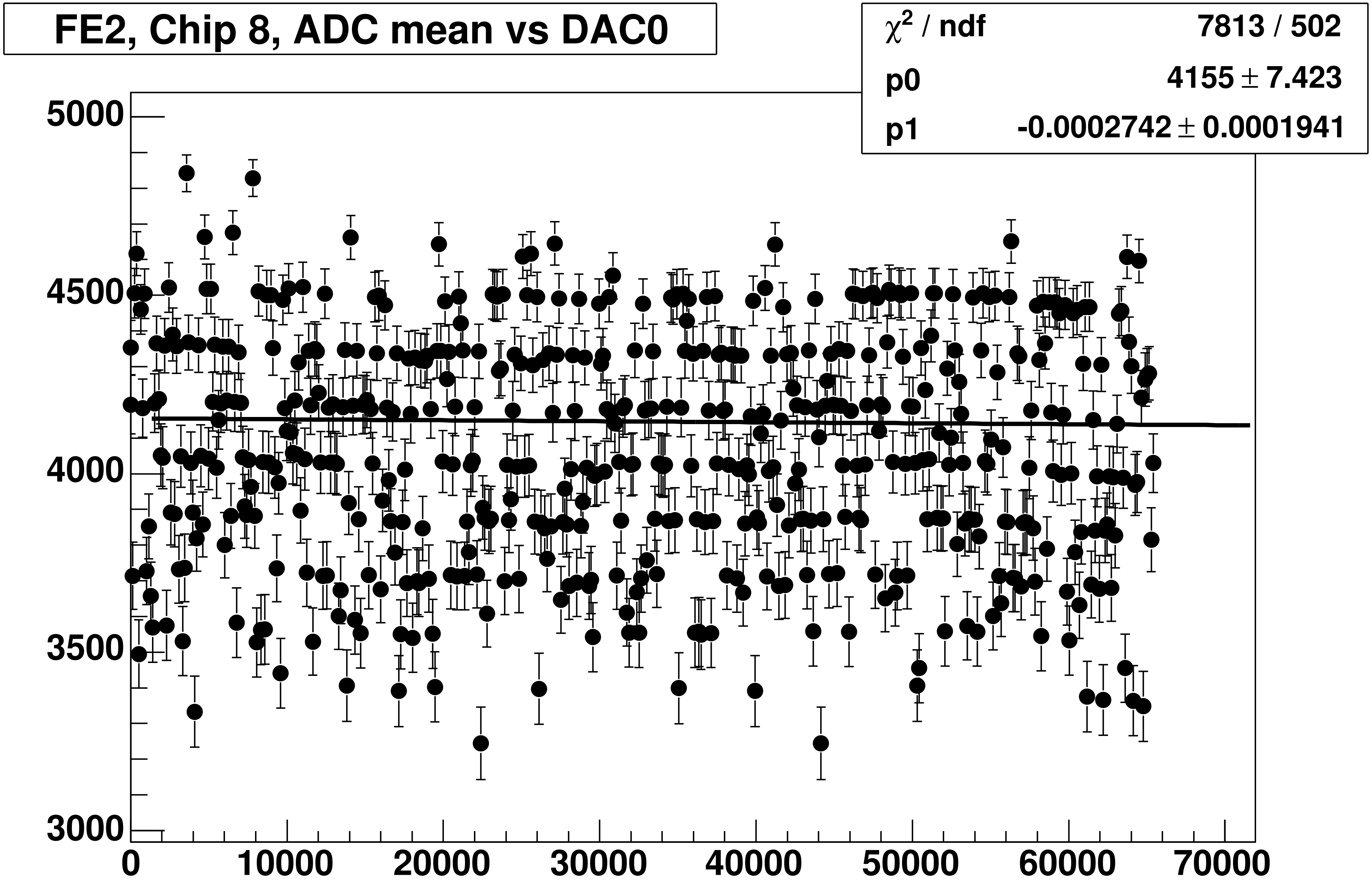

FE2, Chip 7, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 7, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

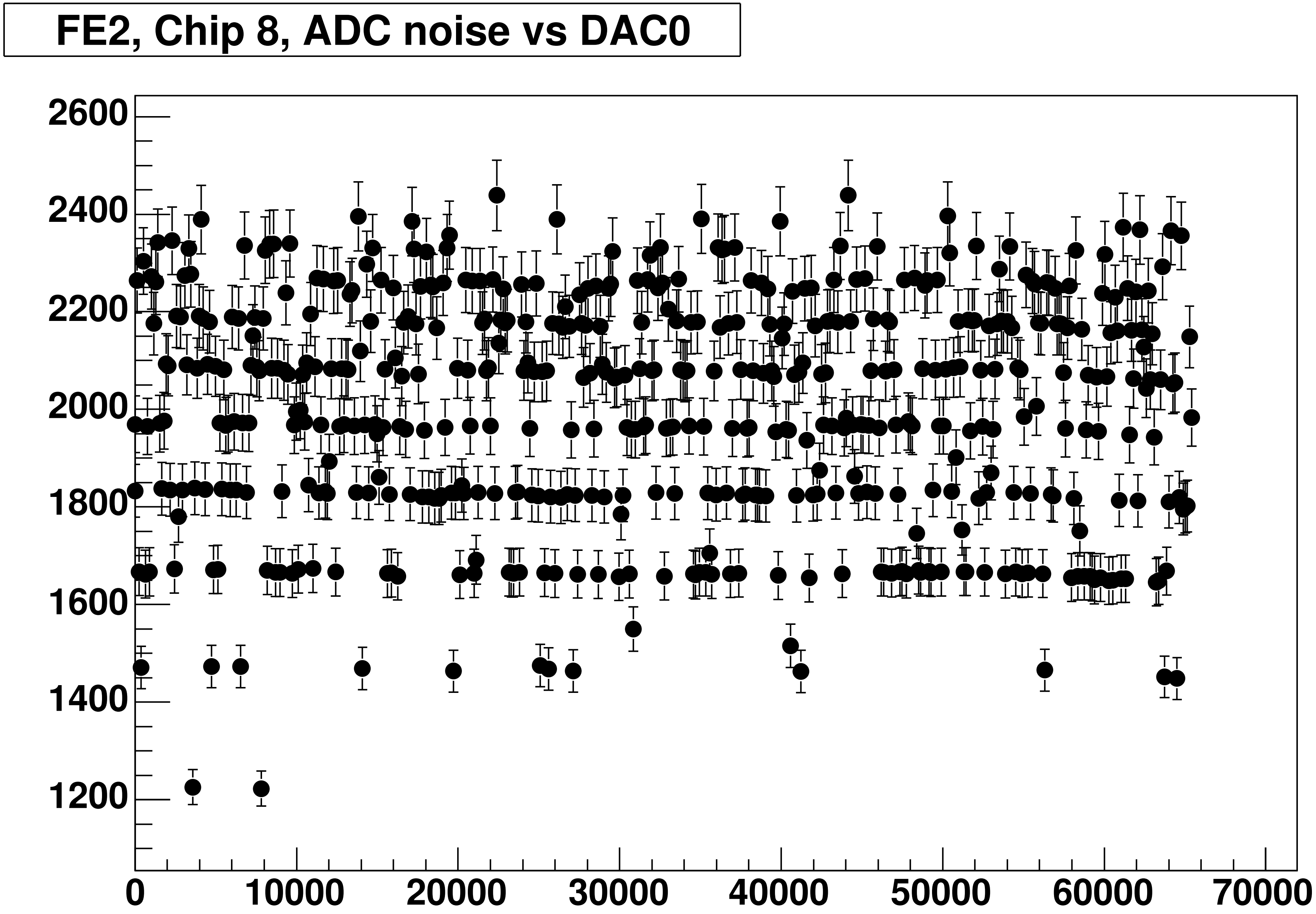

FE2, Chip 7, ADC mean vs DAC1
χ^2 / ndf 5.02e+05 / 502
p0 112.5 ± 0.01291
p1 0.4516 ± 3.408e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

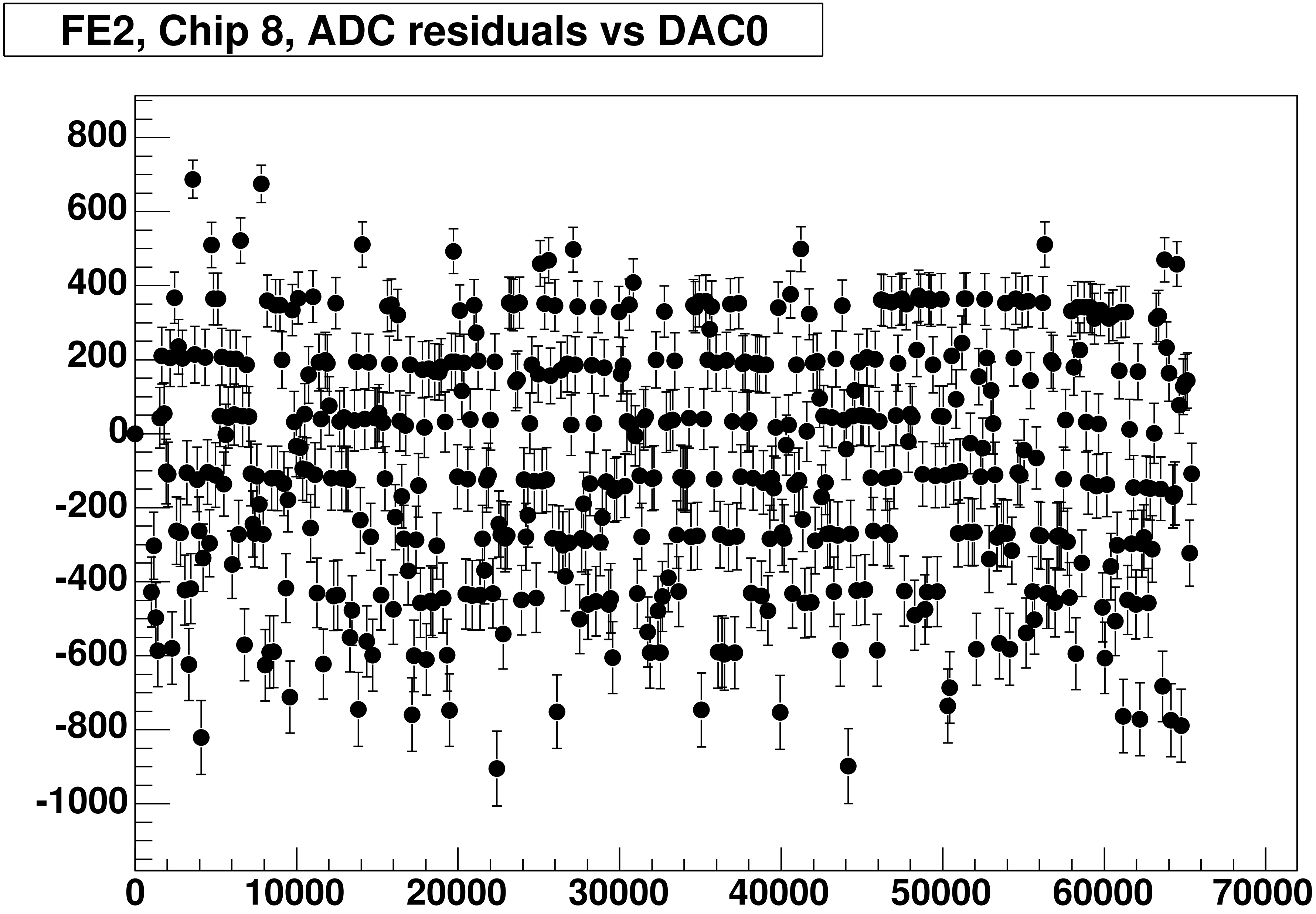

FE2, Chip 7, ADC noise vs DAC1
0
500
1000
1500
2000
2500
10000
20000
30000
40000
50000
60000
70000

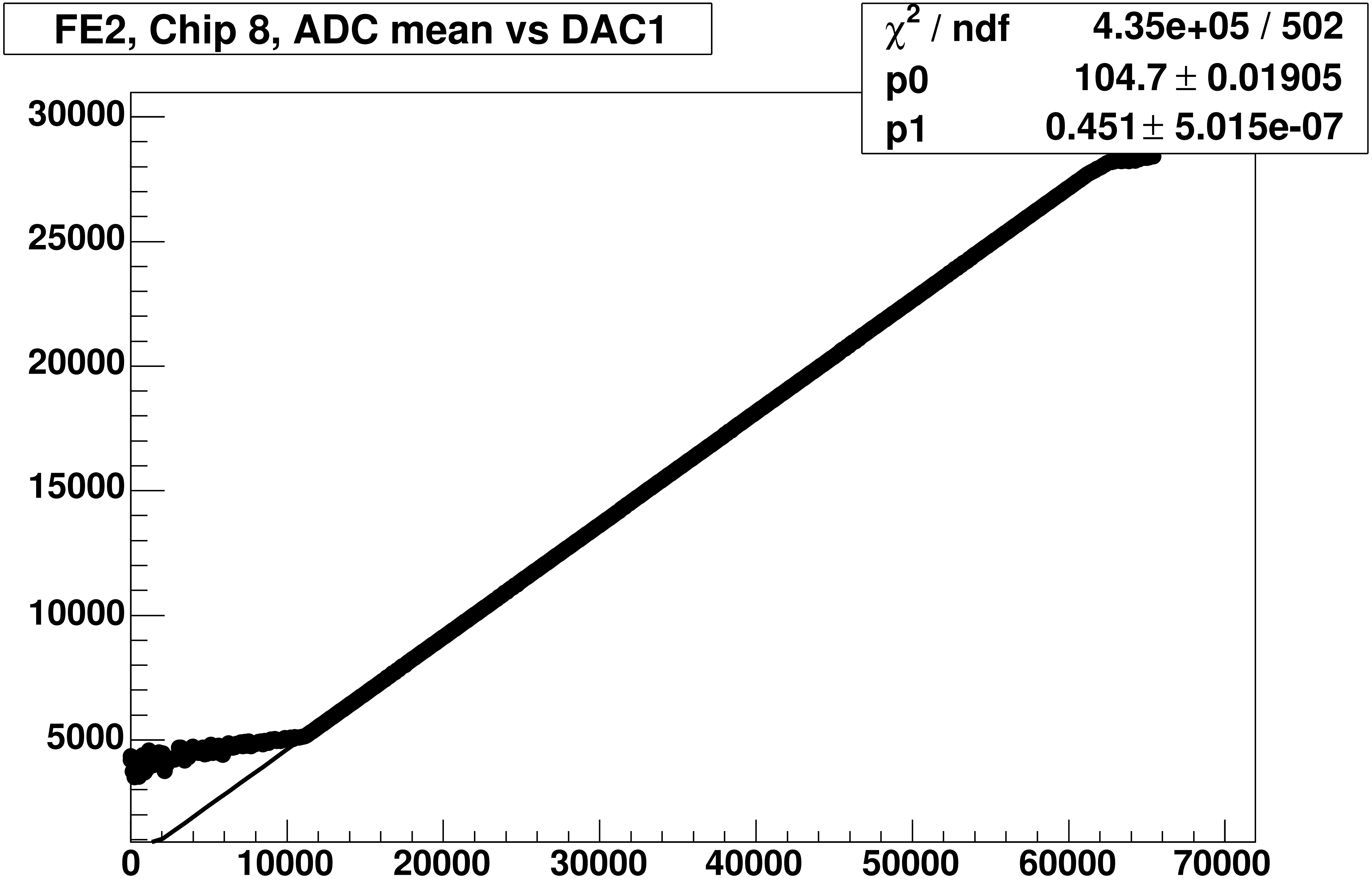

FE2, Chip 7, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

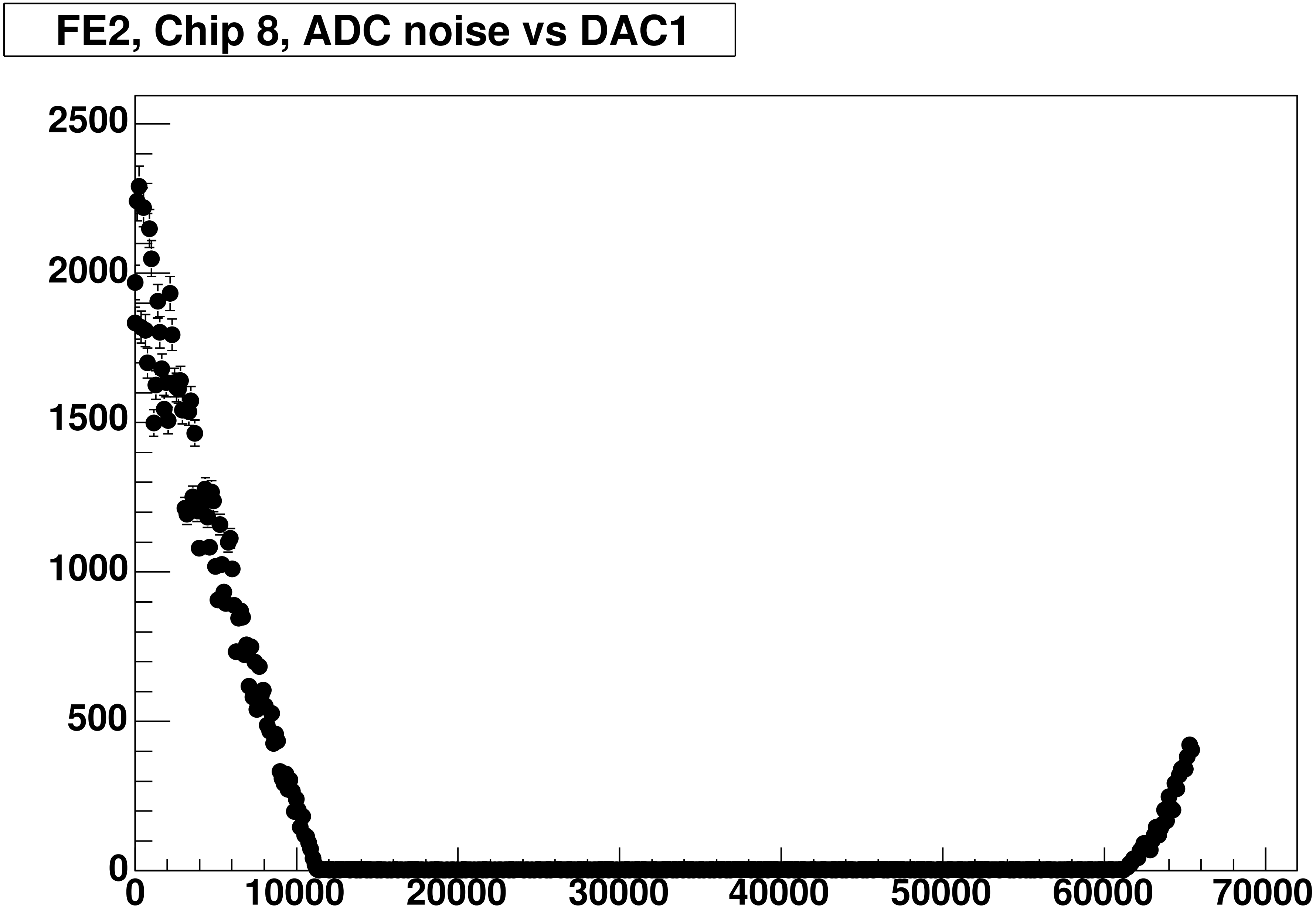


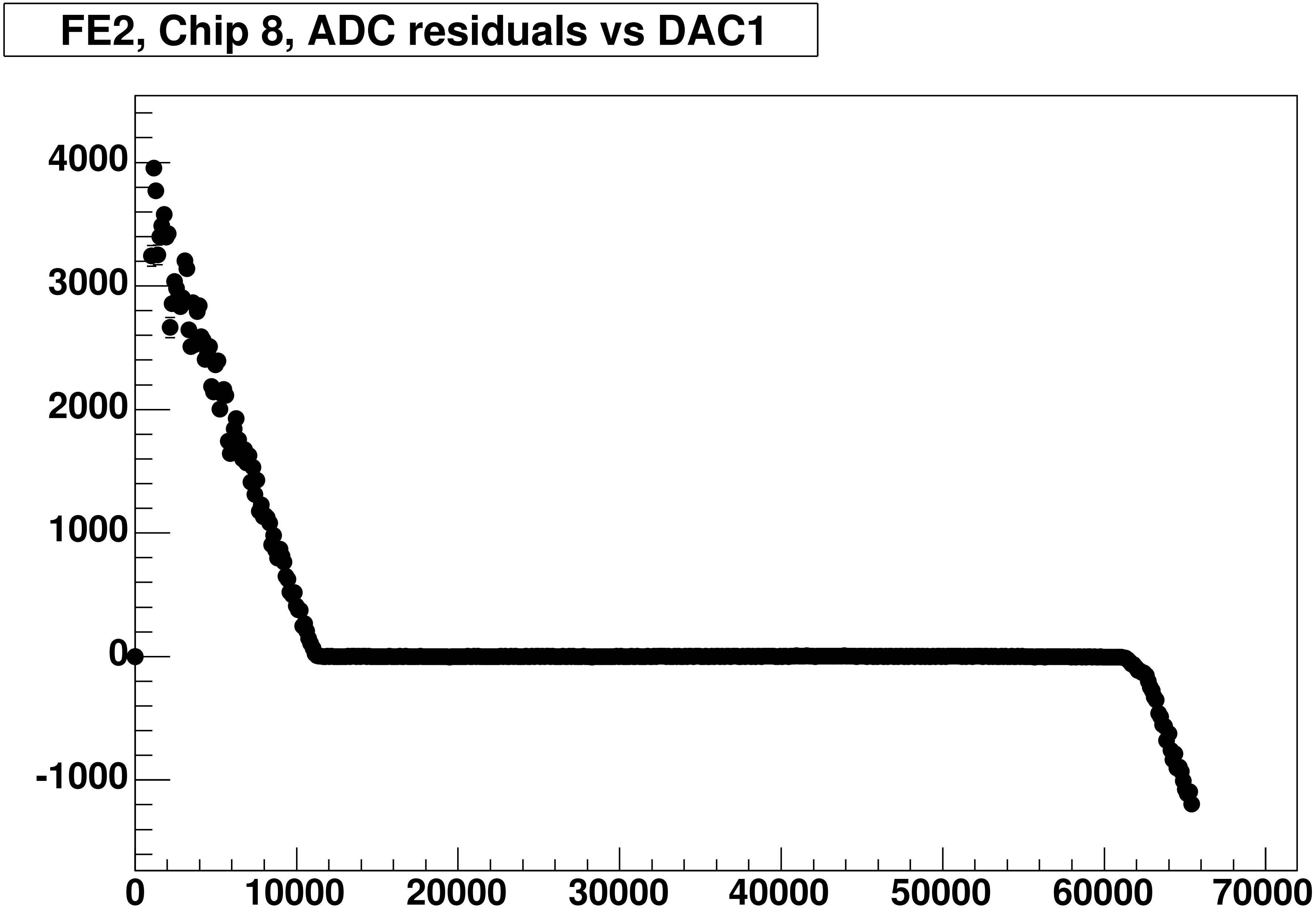
FE2, Chip 8, ADC mean vs DAC0
χ^2 / ndf 7813 / 502
p0 4155 ± 7.423
p1 -0.0002742 ± 0.0001941
5000
4500
4000
3500
3000
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 8, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

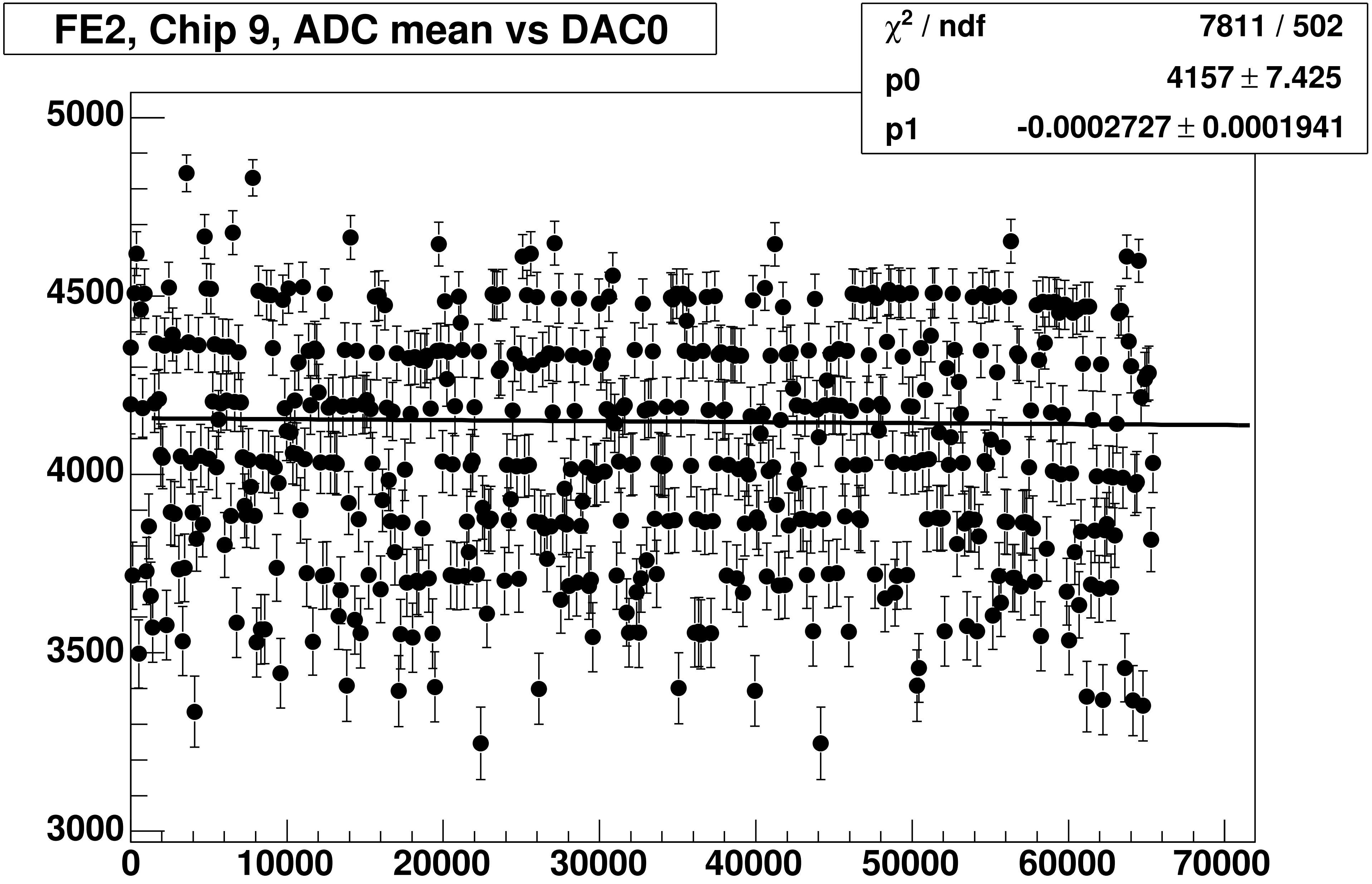

FE2, Chip 8, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

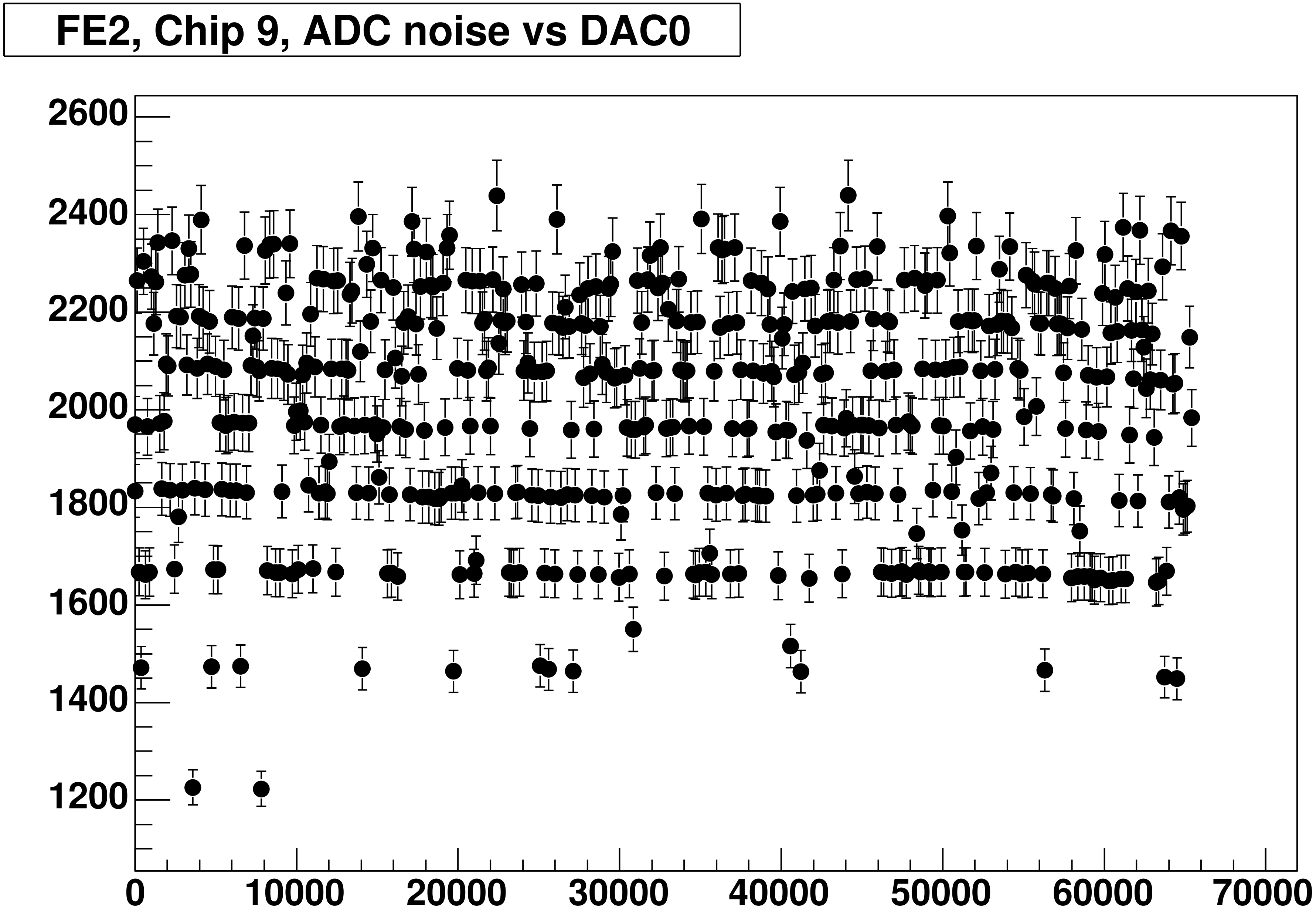

FE2, Chip 8, ADC mean vs DAC1
χ^2 / ndf 4.35e+05 / 502
p0 104.7 ± 0.01905
p1 0.451 ± 5.015e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

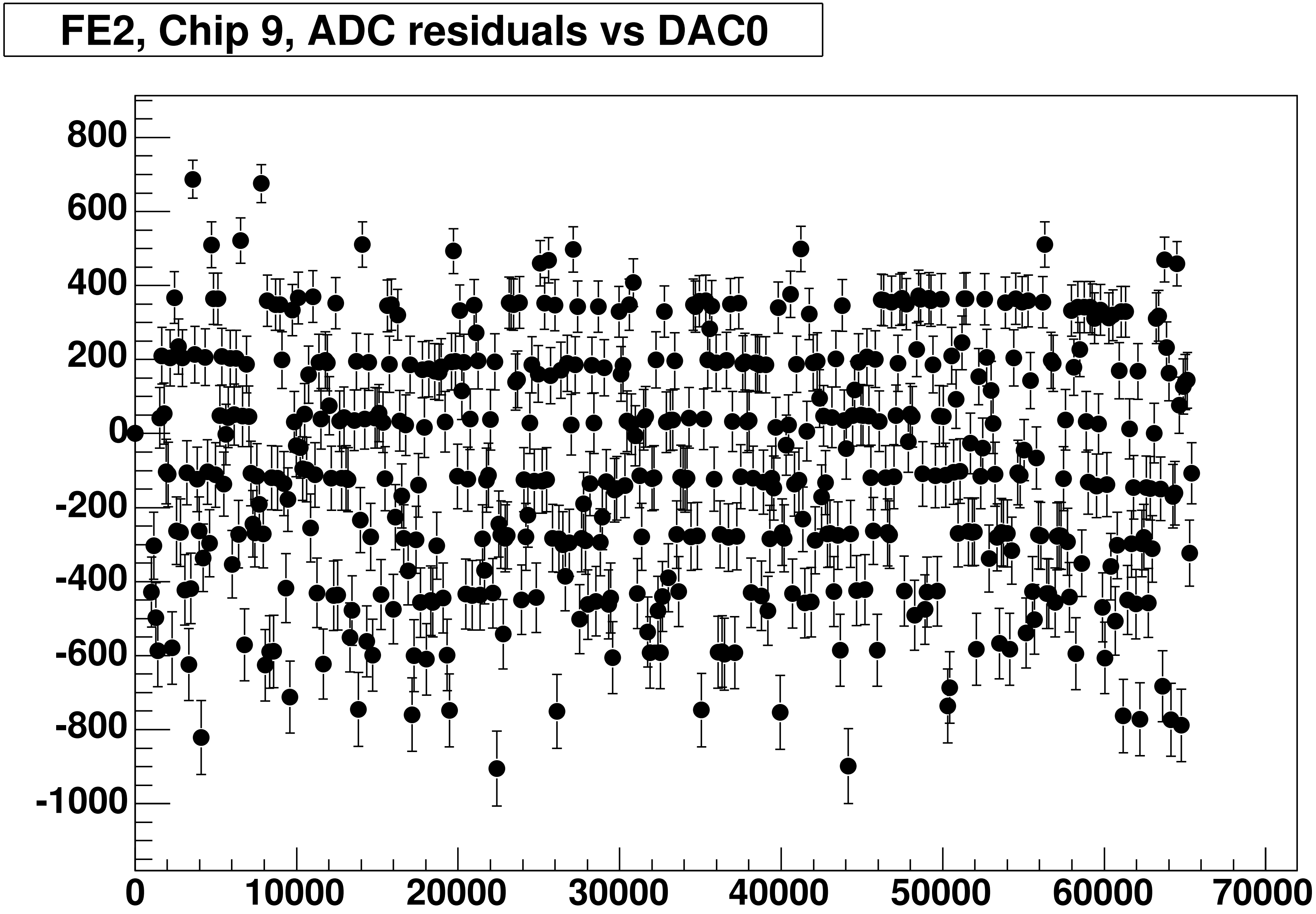

FE2, Chip 8, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000



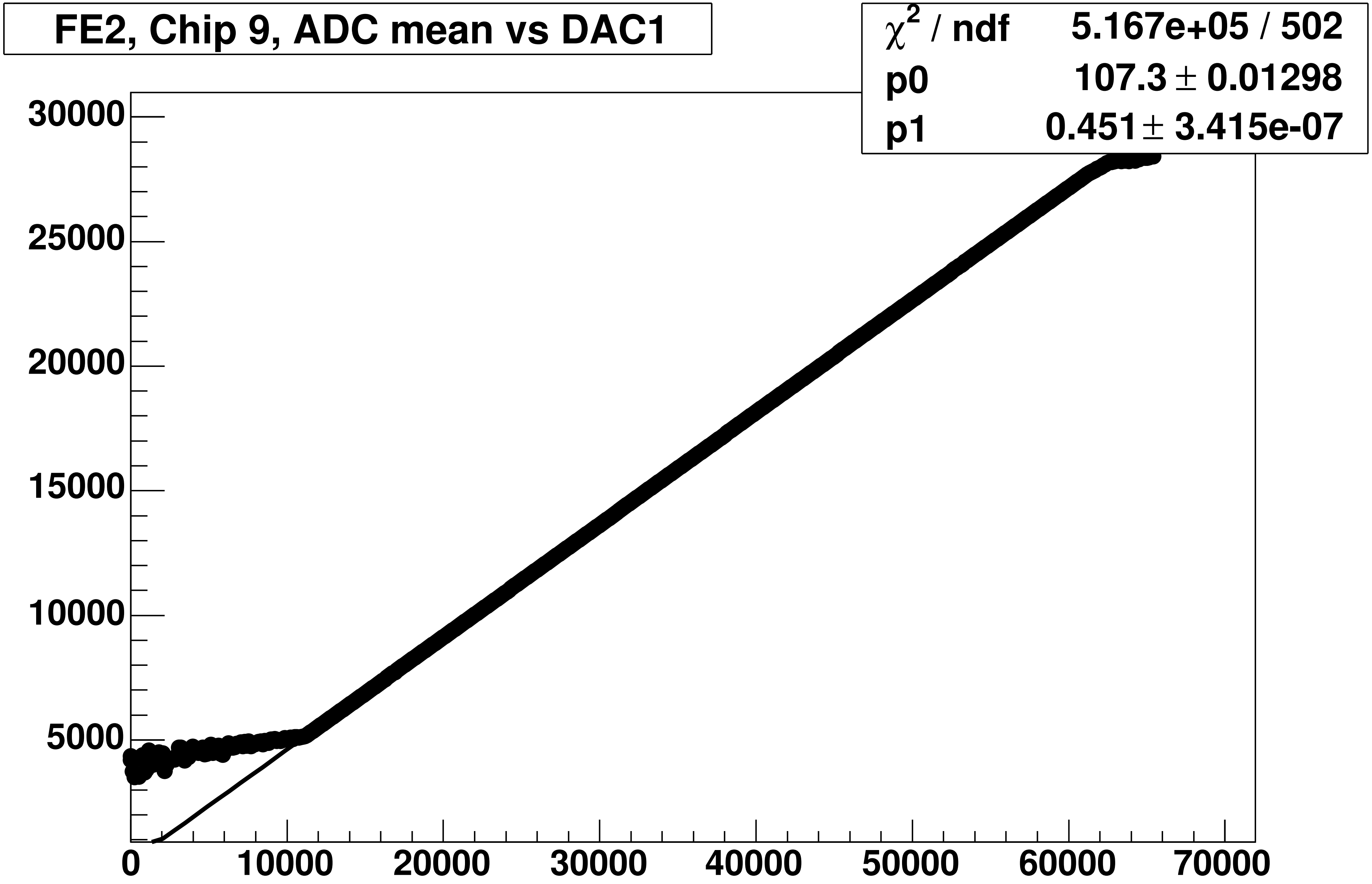
FE2, Chip 8, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 9, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4157 ± 7.425
p1 -0.0002727 ± 0.0001941
5000
4500
4000
3500
3000
0
10000
20000
30000
40000
50000
60000
70000

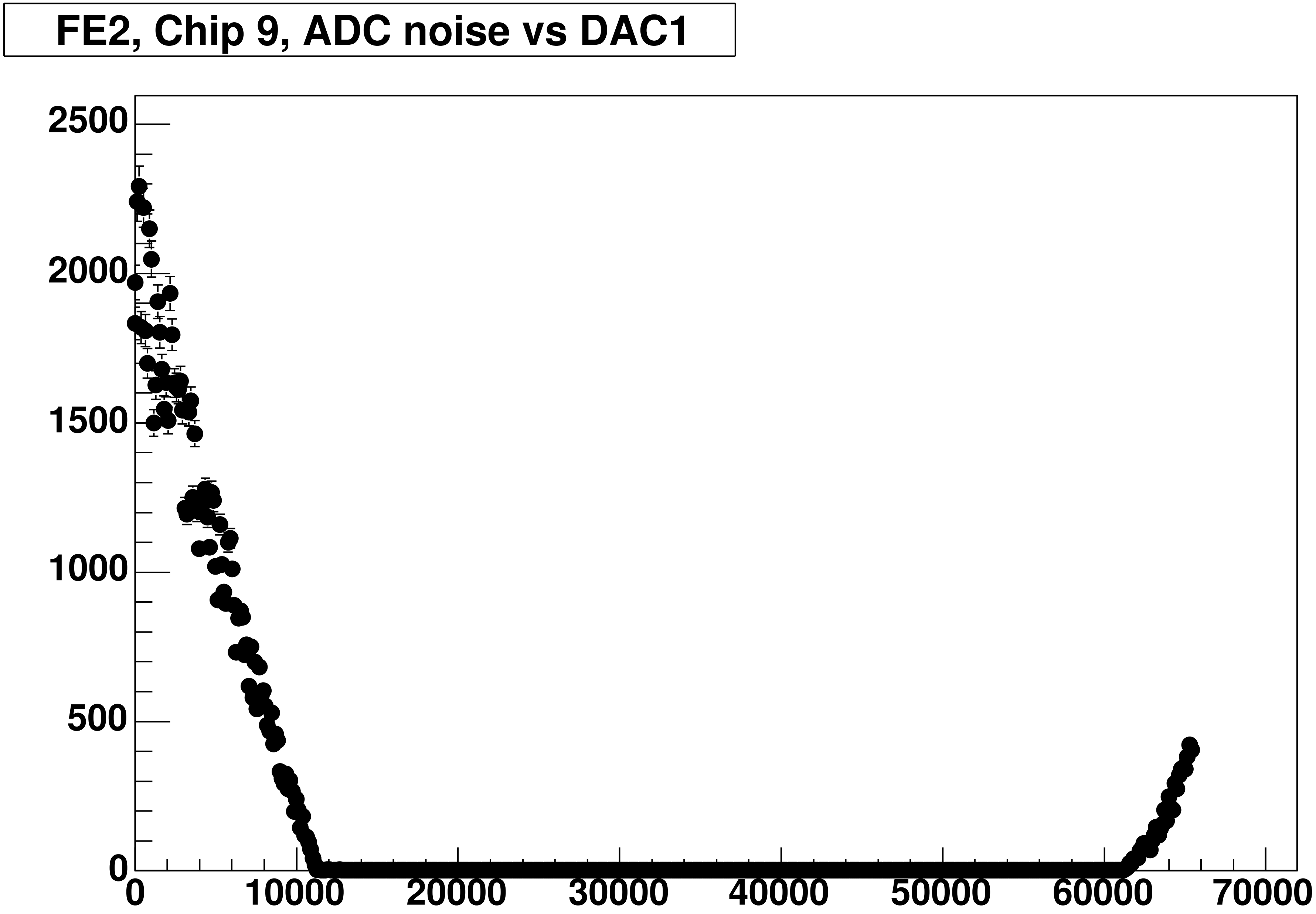

FE2, Chip 9, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

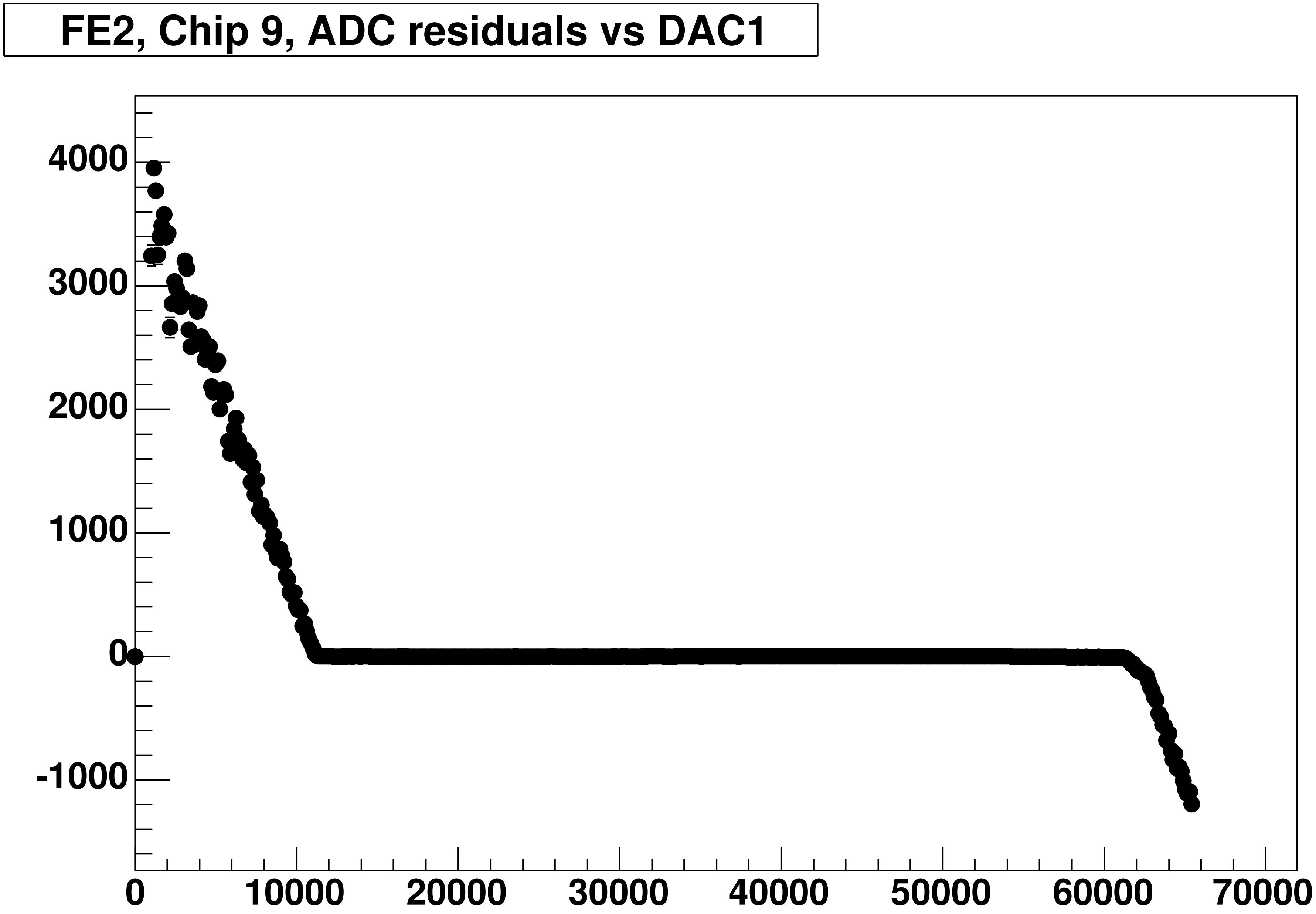


FE2, Chip 9, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

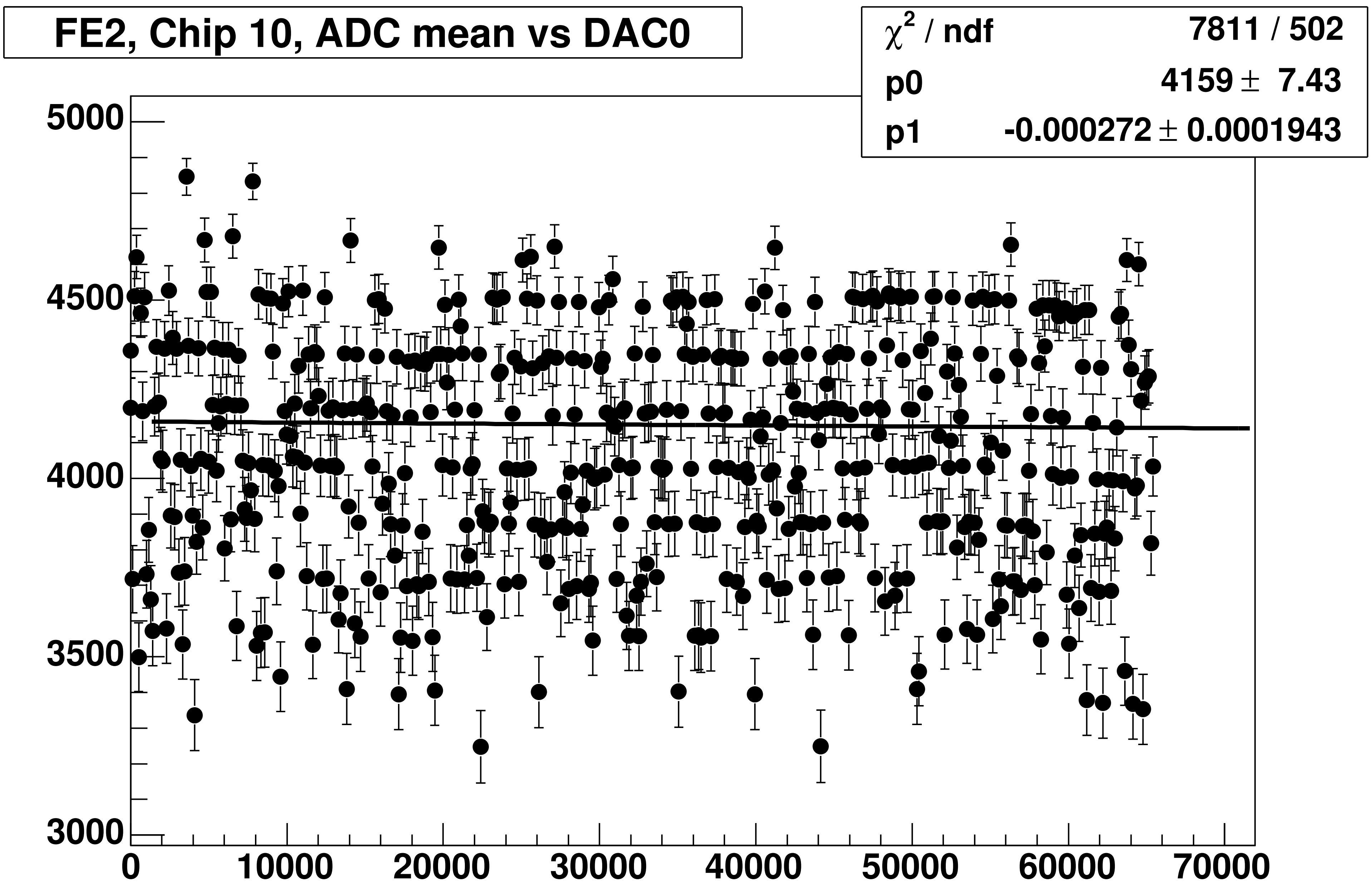


FE2, Chip 9, ADC mean vs DAC1
χ^2 / ndf 5.167e+05 / 502
p0 107.3 ± 0.01298
p1 0.451 ± 3.415e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

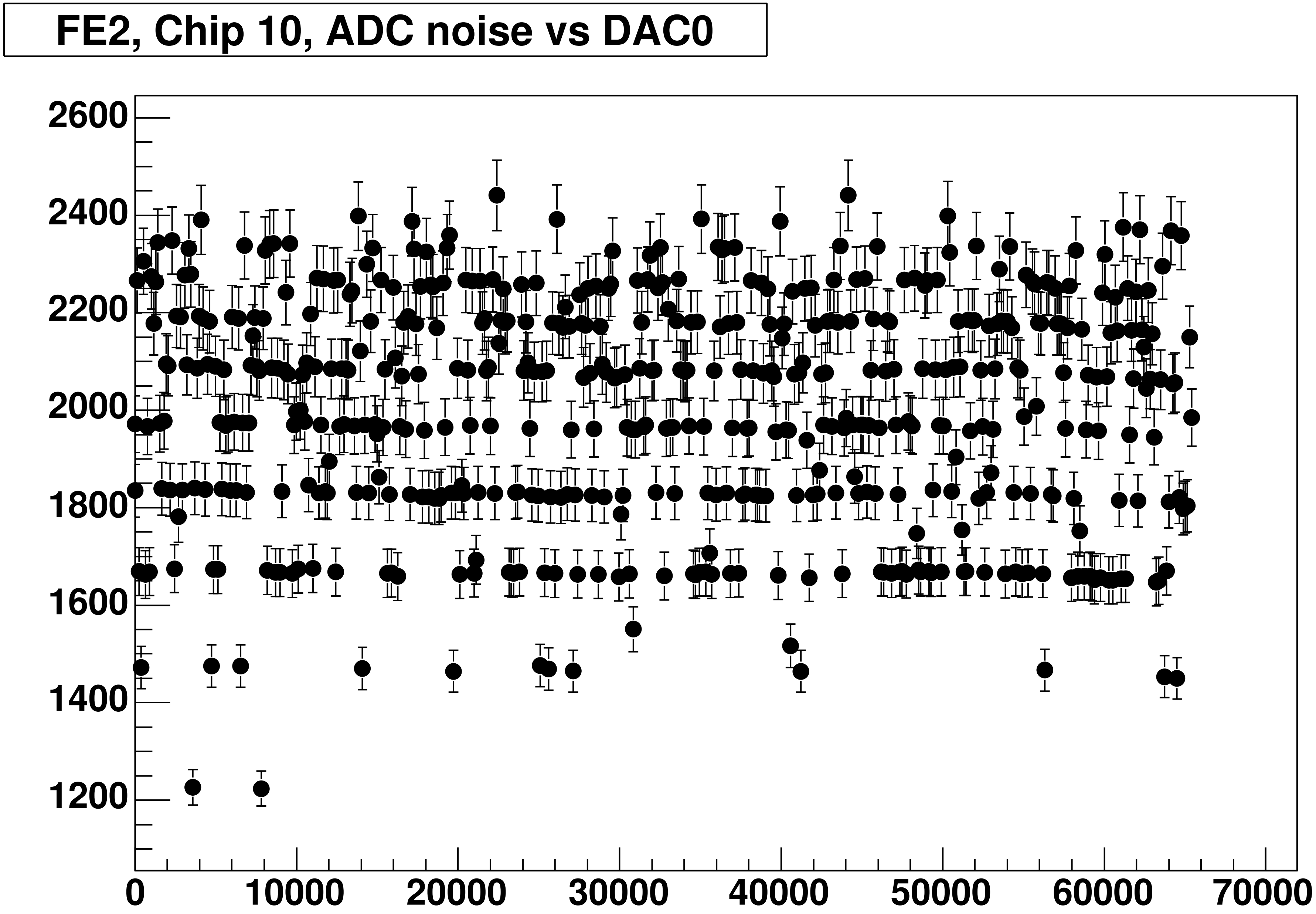

FE2, Chip 9, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

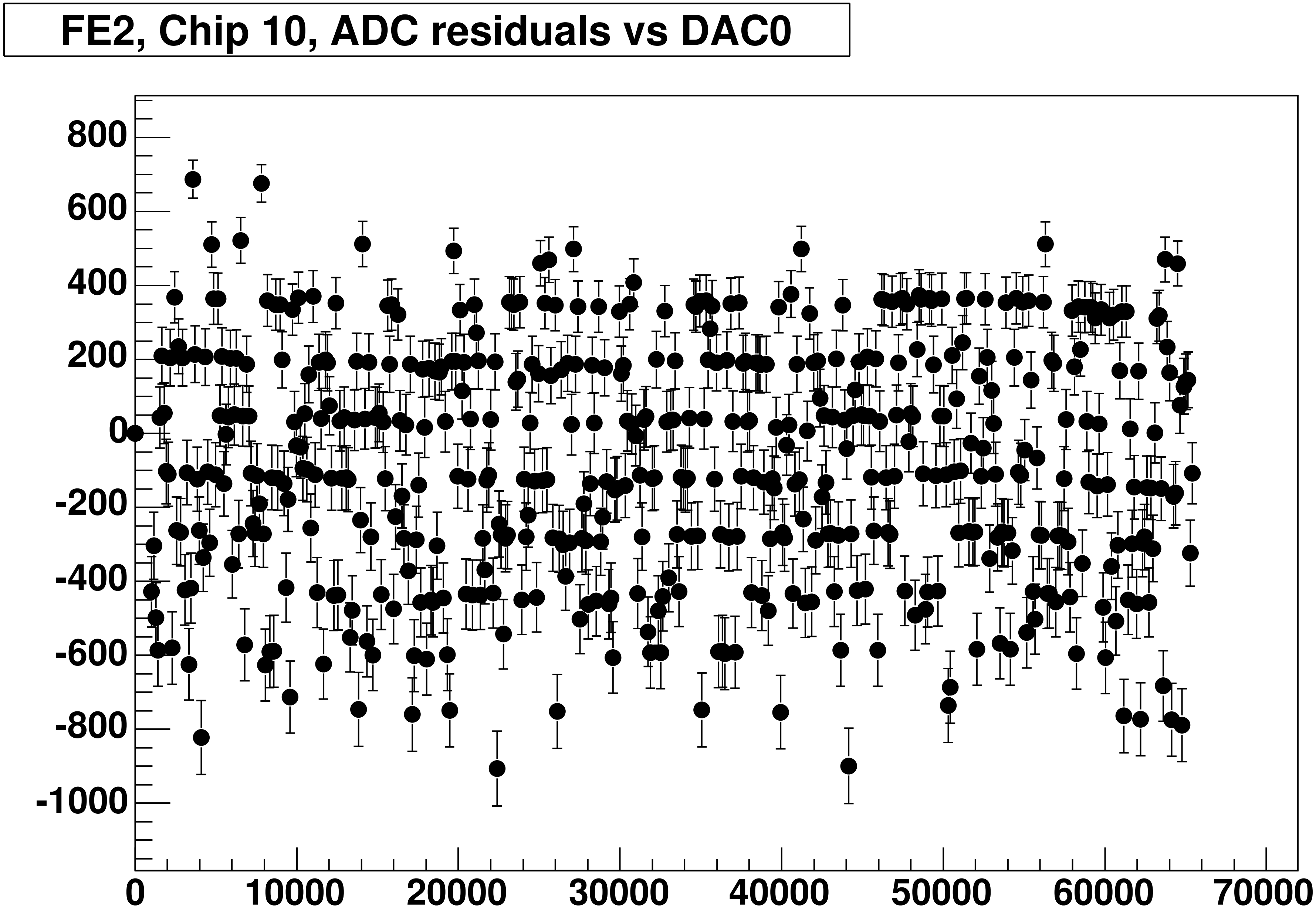


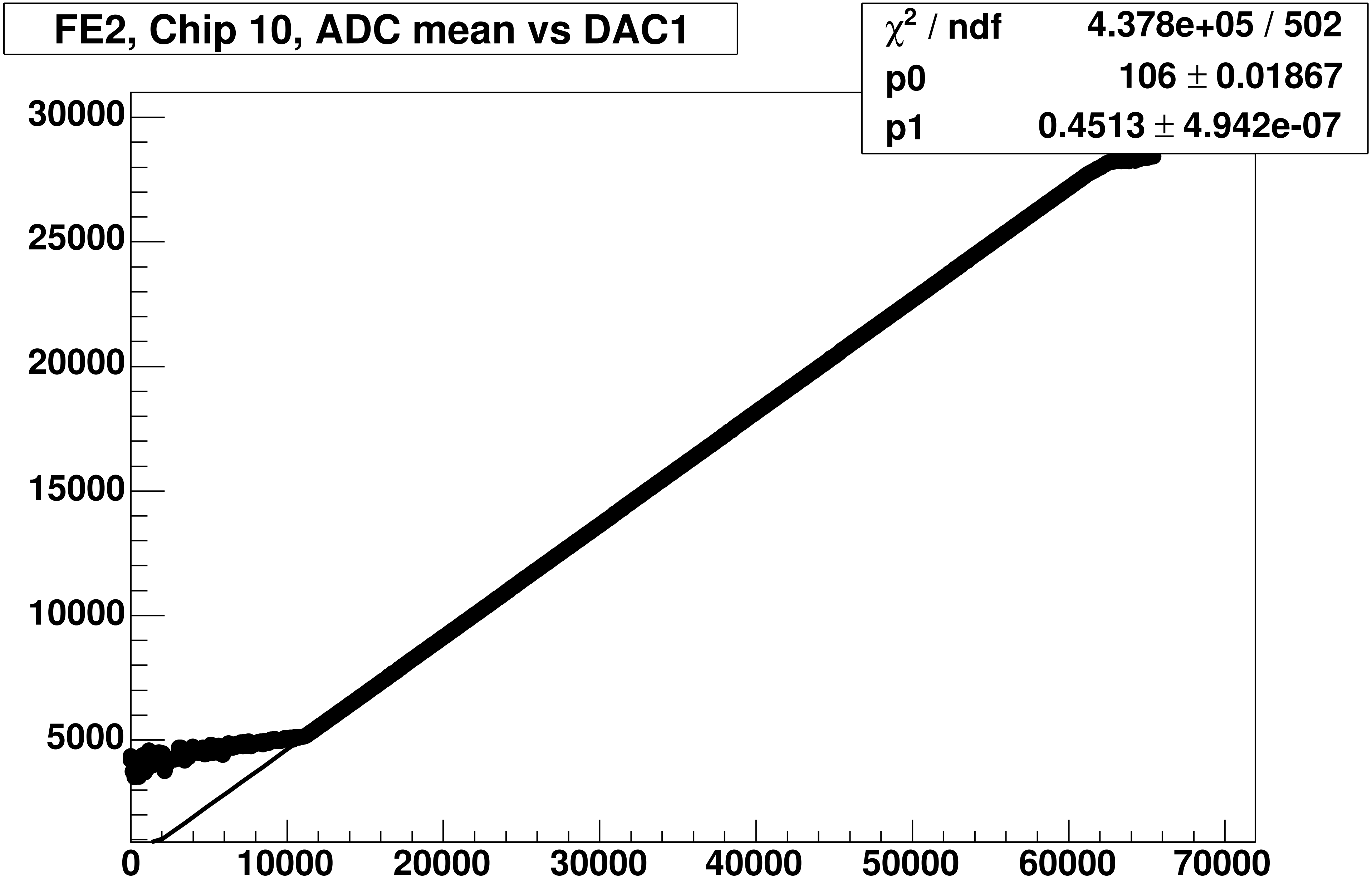
FE2, Chip 9, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



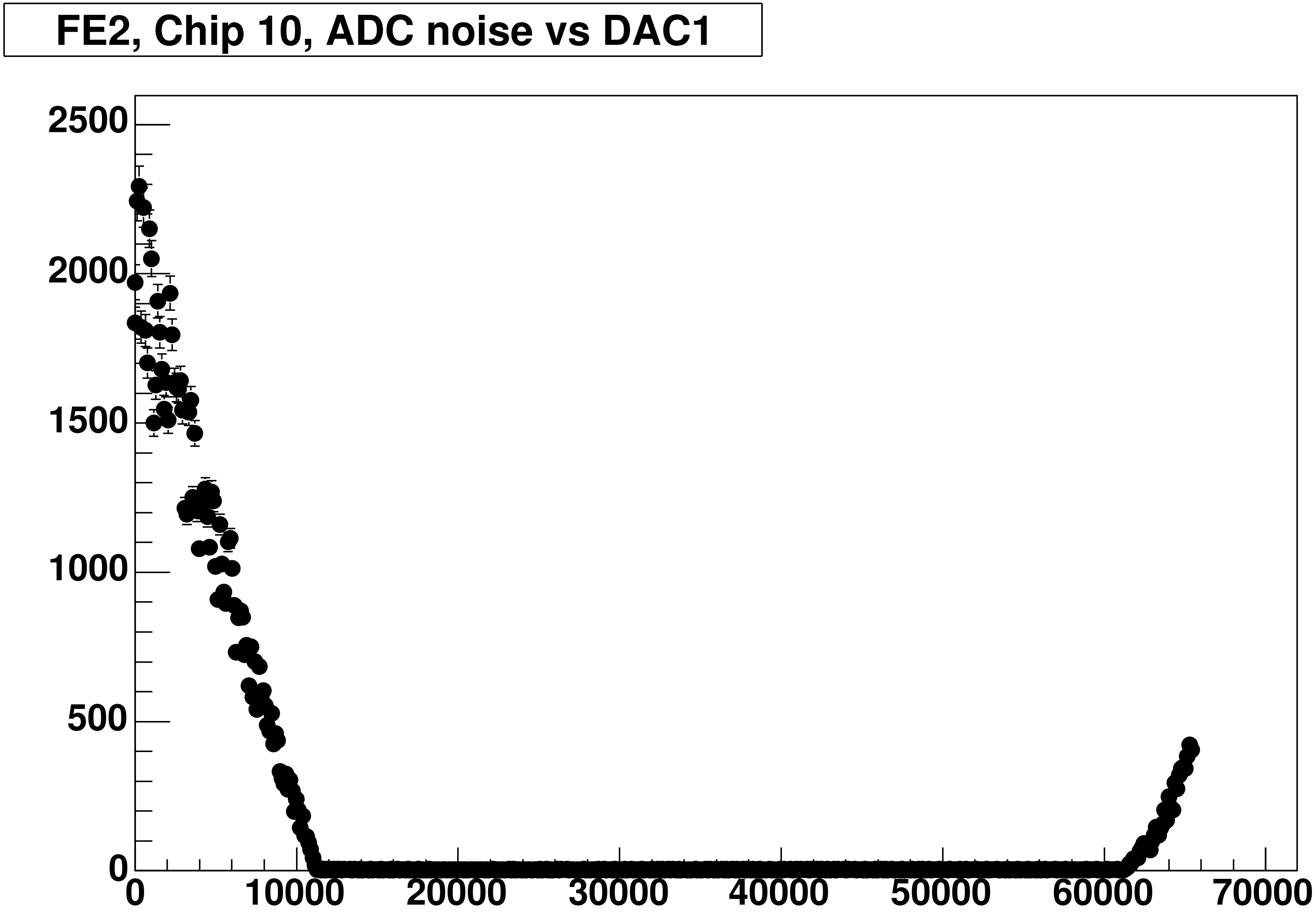
FE2, Chip 10, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4159 ± 7.43
p1 -0.000272 ± 0.0001943
5000
4500
4000
3500
3000
0
10000
20000
30000
40000
50000
60000
70000

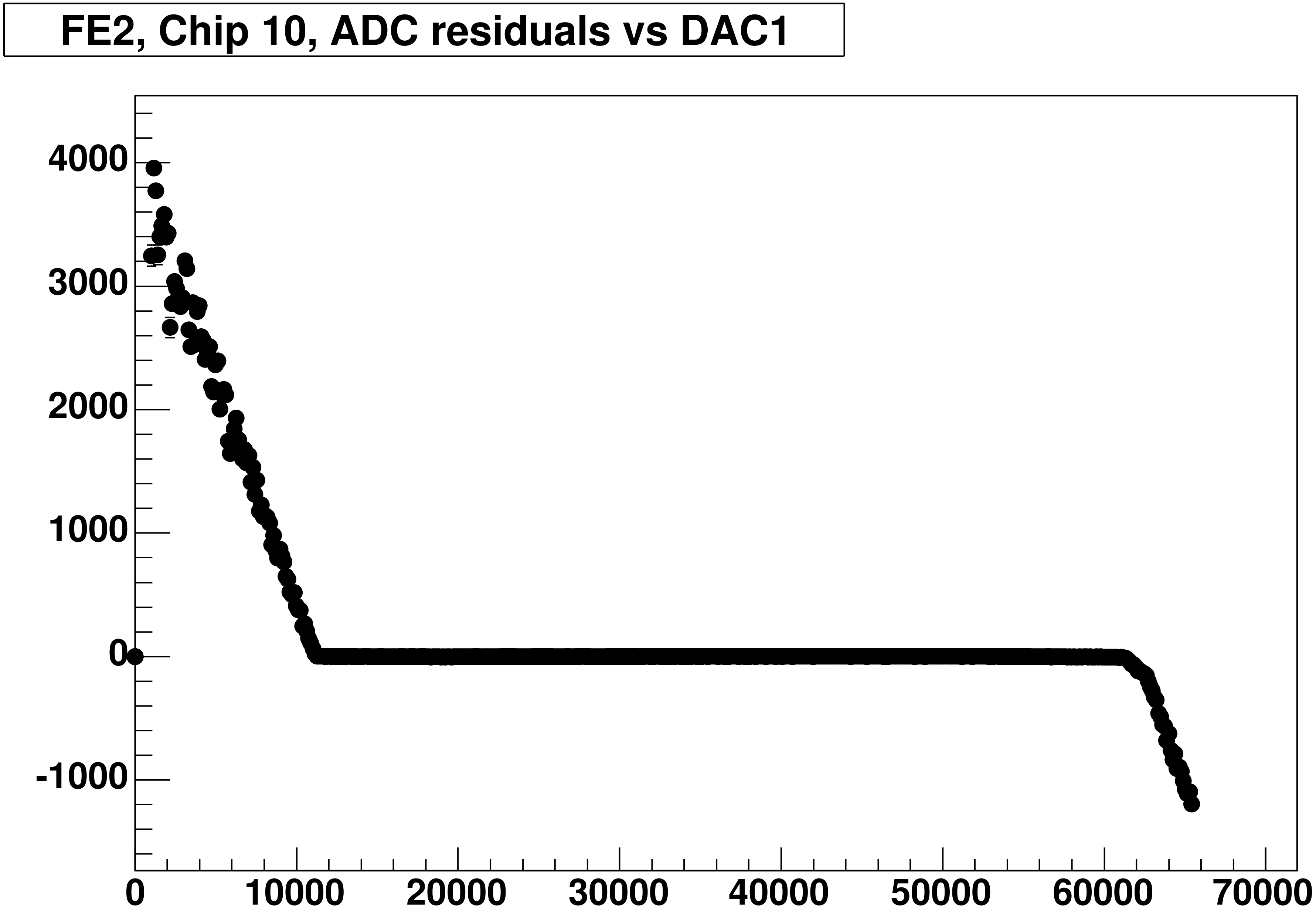

FE2, Chip 10, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

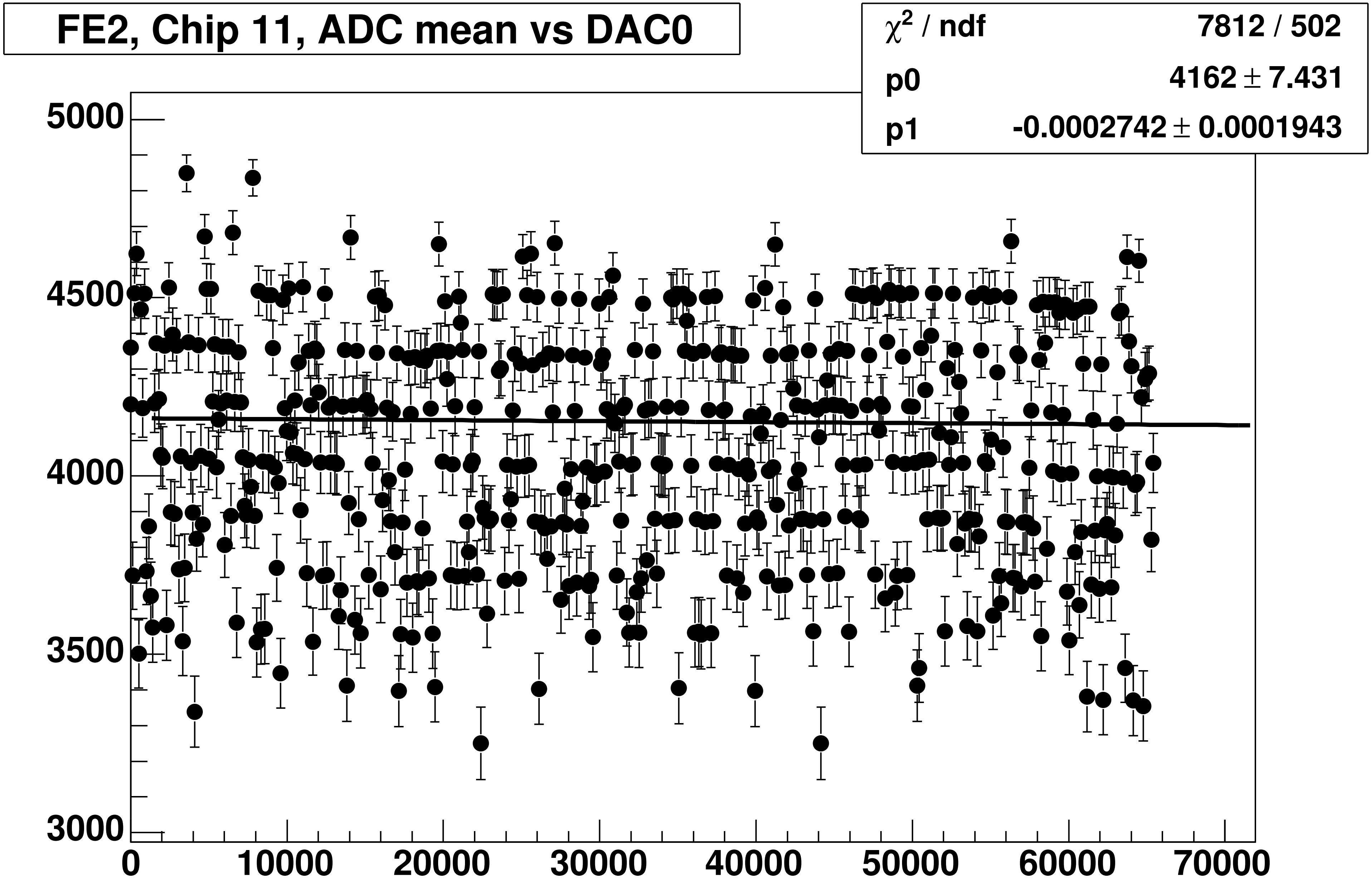

FE2, Chip 10, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

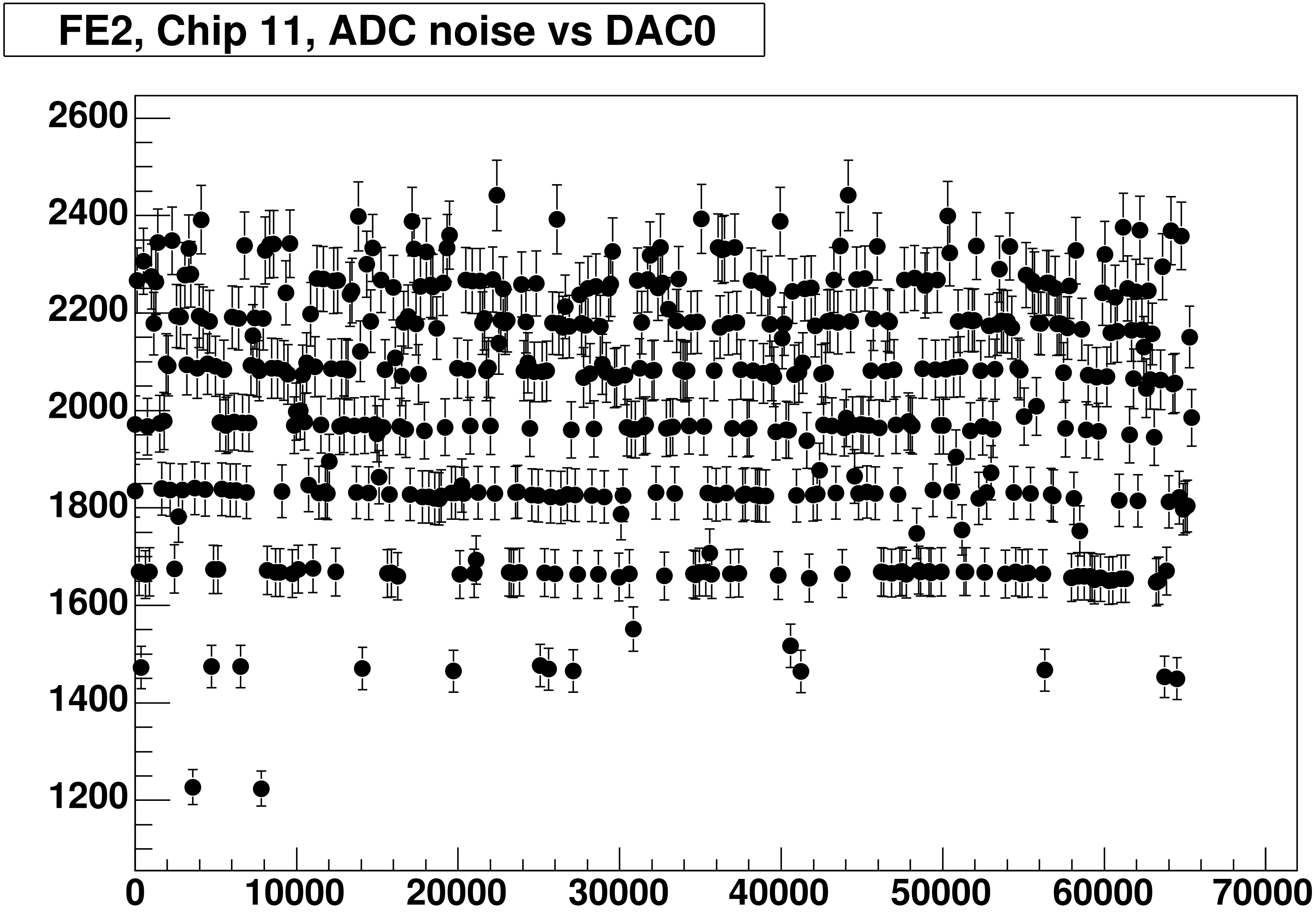


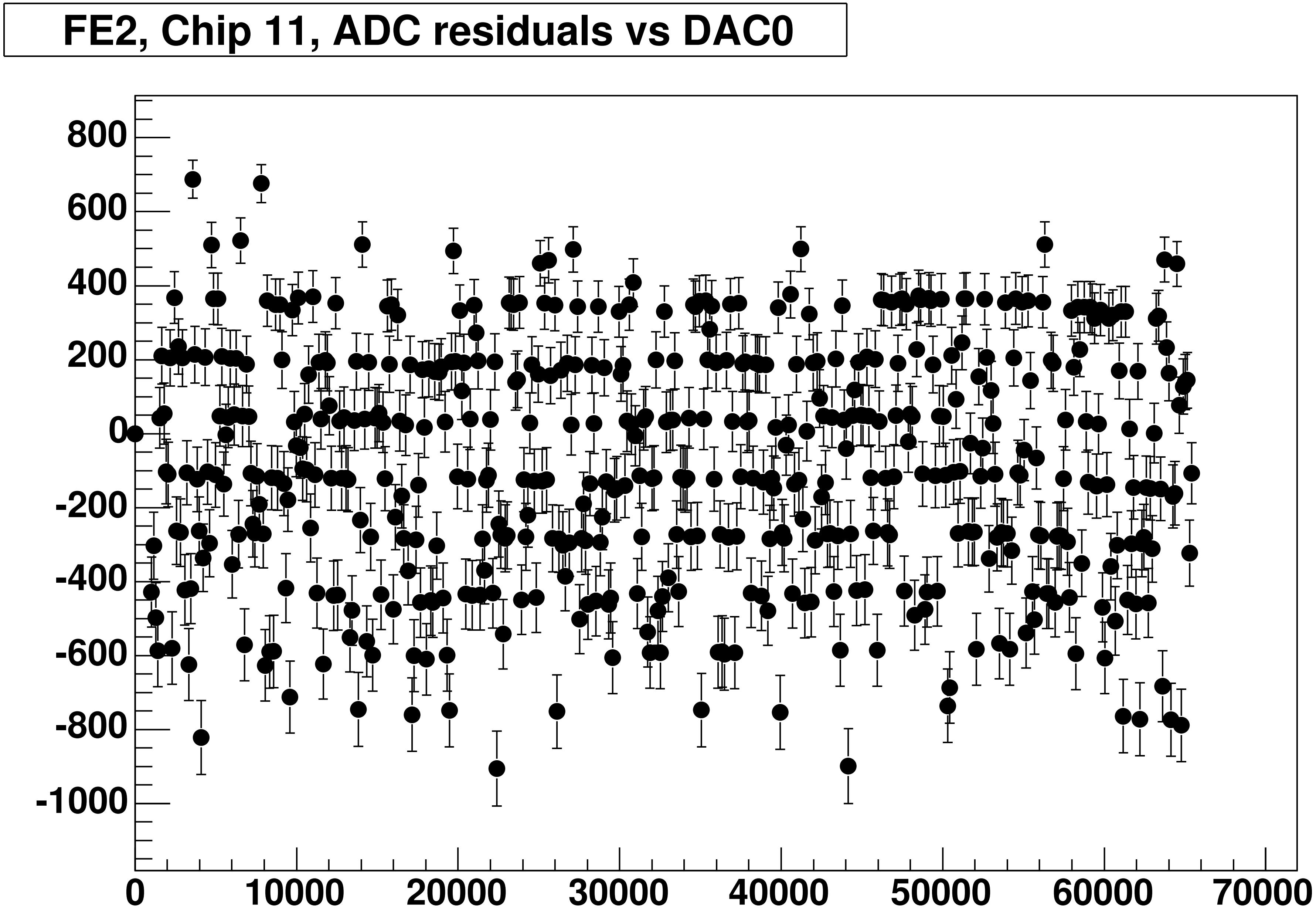
FE2, Chip 10, ADC mean vs DAC1
χ^2 / ndf 4.378e+05 / 502
p0 106 ± 0.01867
p1 0.4513 ± 4.942e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

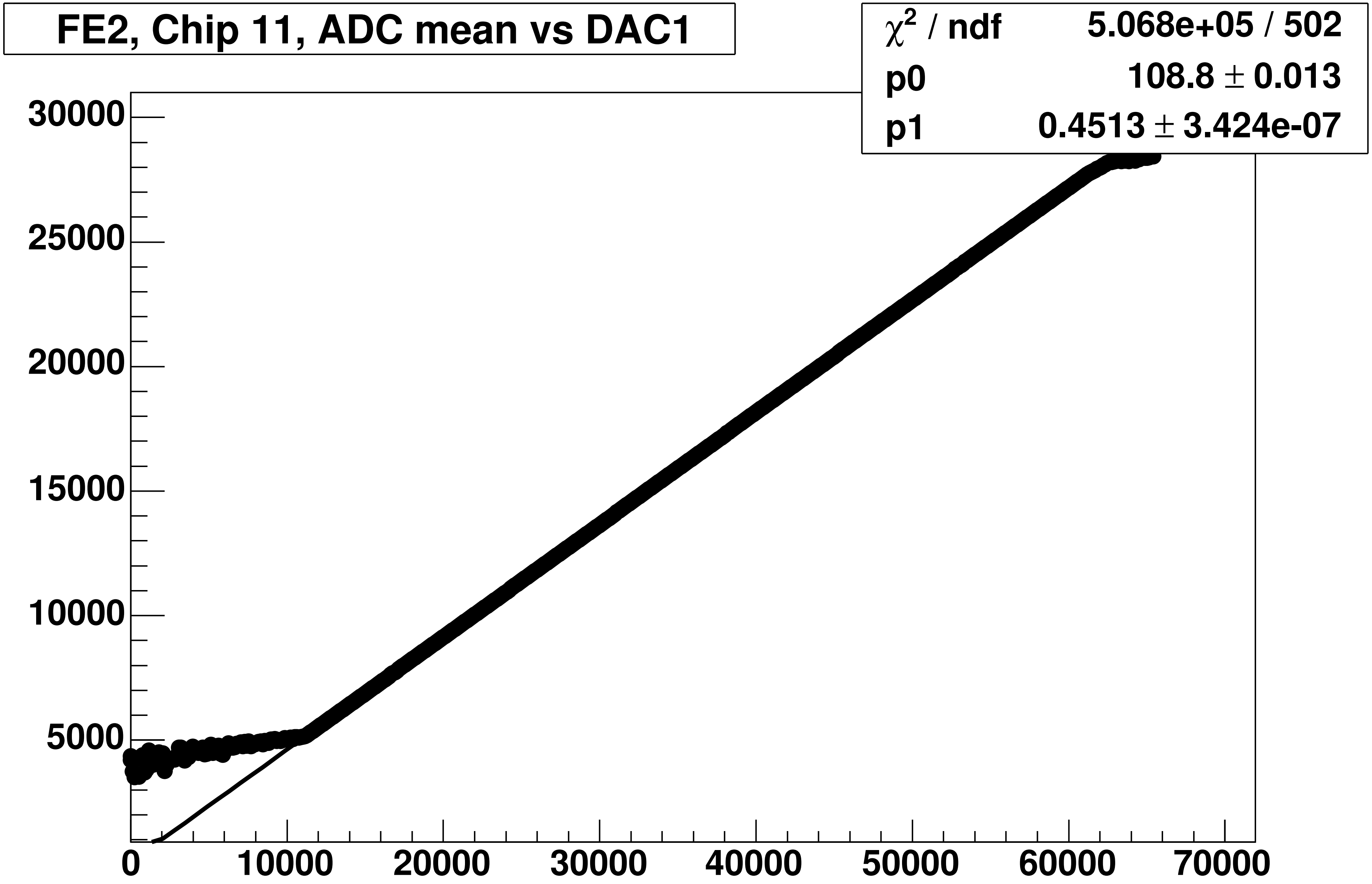

FE2, Chip 10, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

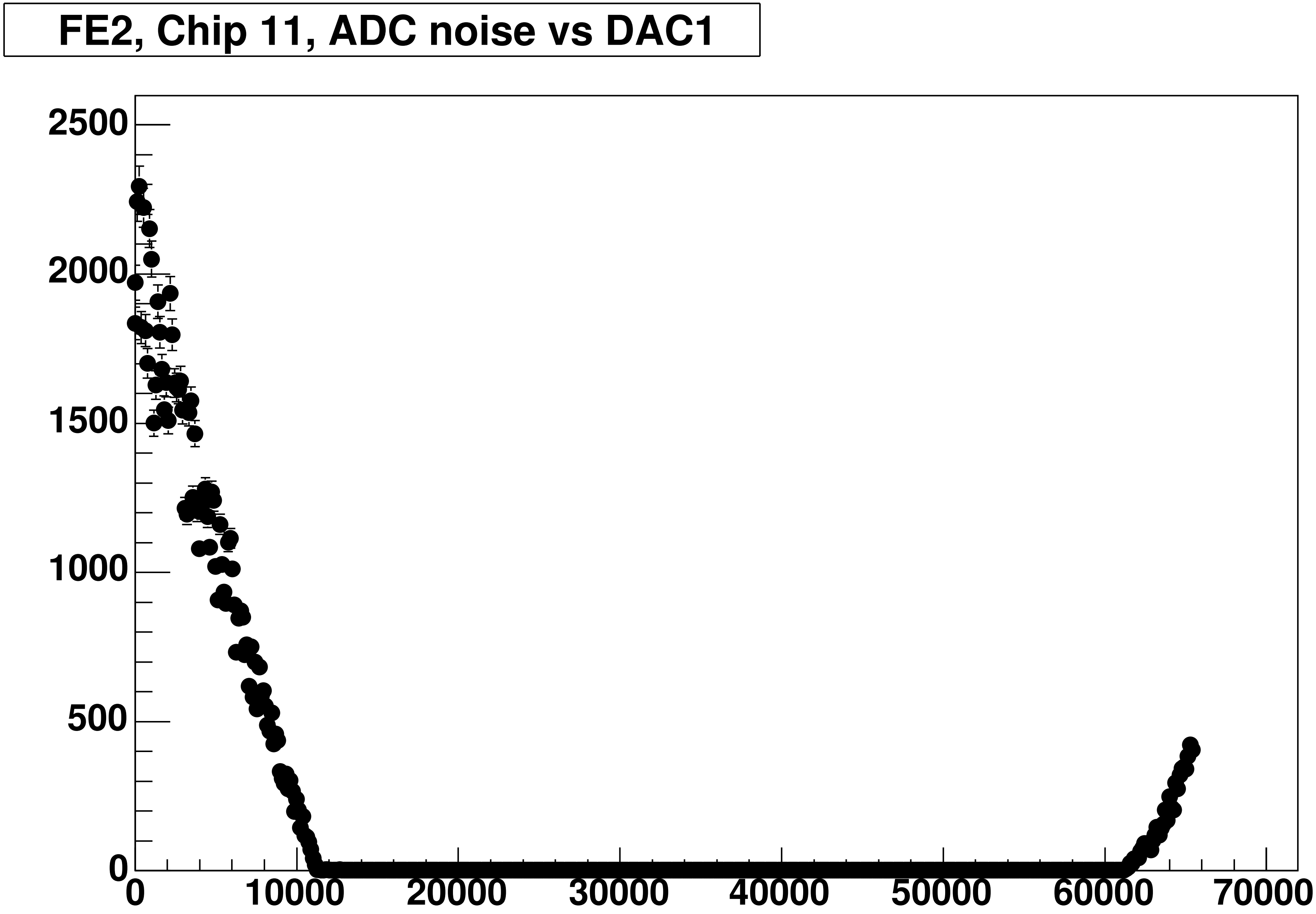

FE2, Chip 10, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

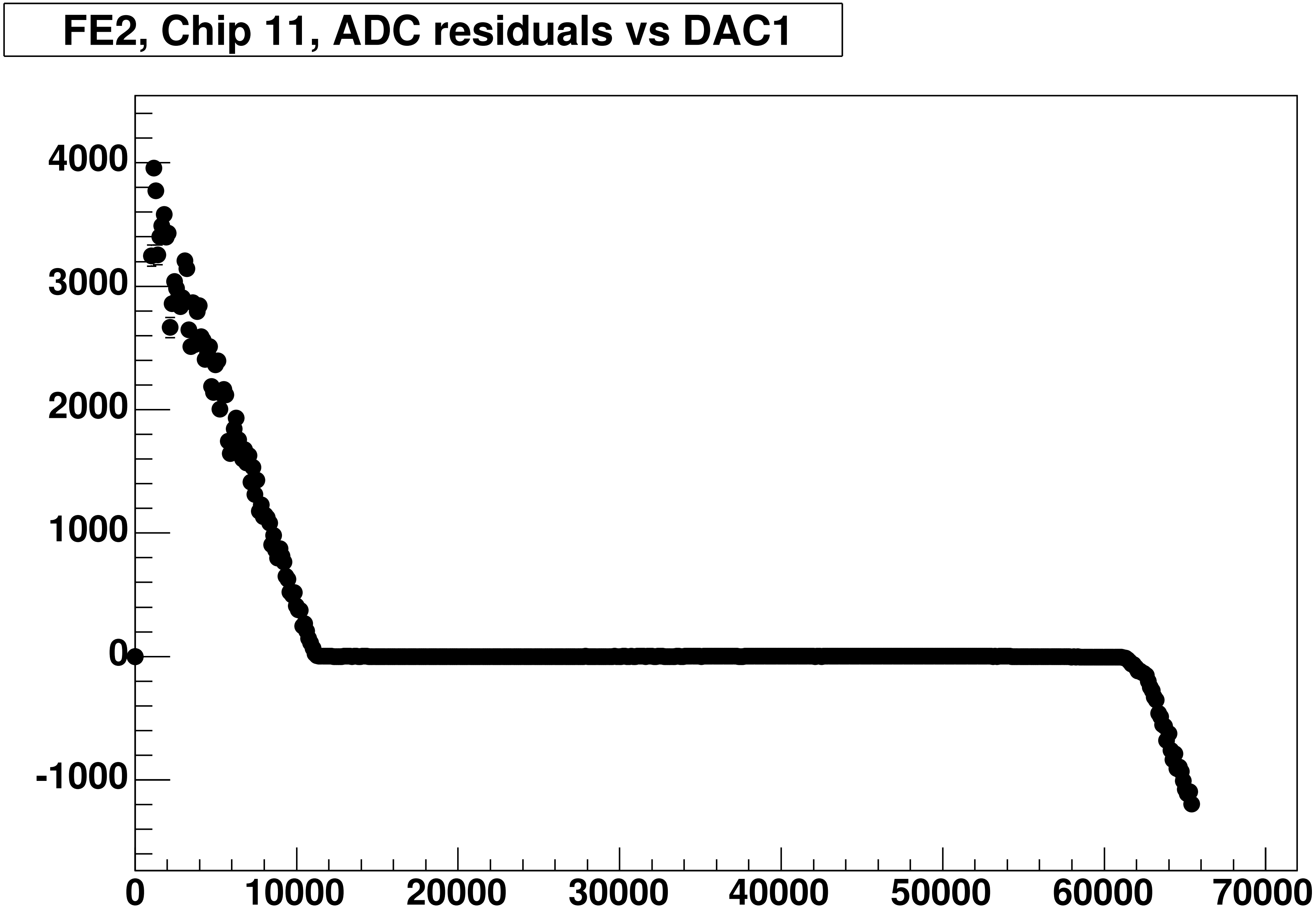

FE2, Chip 11, ADC mean vs DAC0
χ^2 / ndf 7812 / 502
p0 4162 ± 7.431
p1 -0.0002742 ± 0.0001943
5000
4500
4000
3500
3000
0
10000
20000
30000
40000
50000
60000
70000

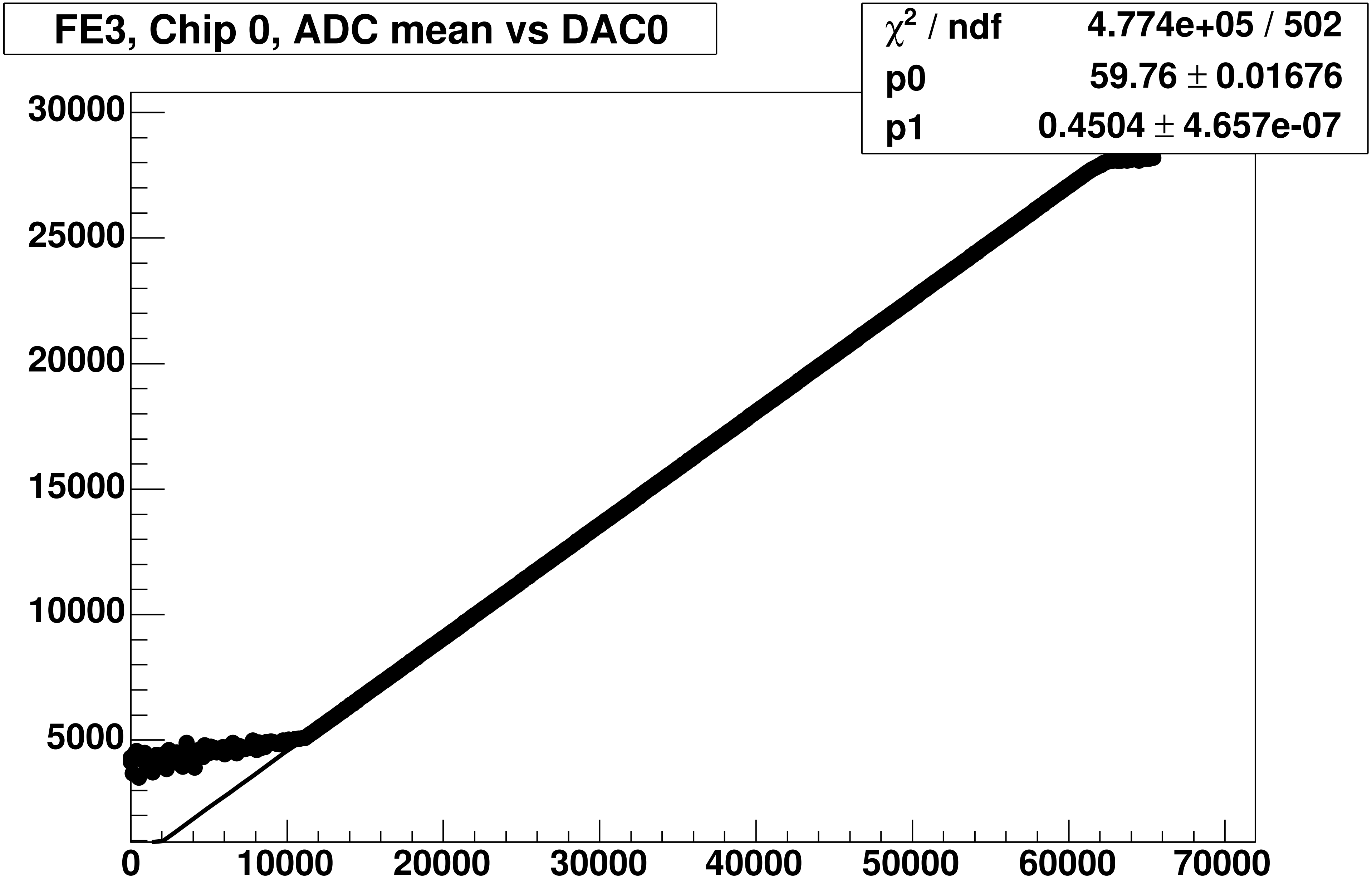

FE2, Chip 11, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE2, Chip 11, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

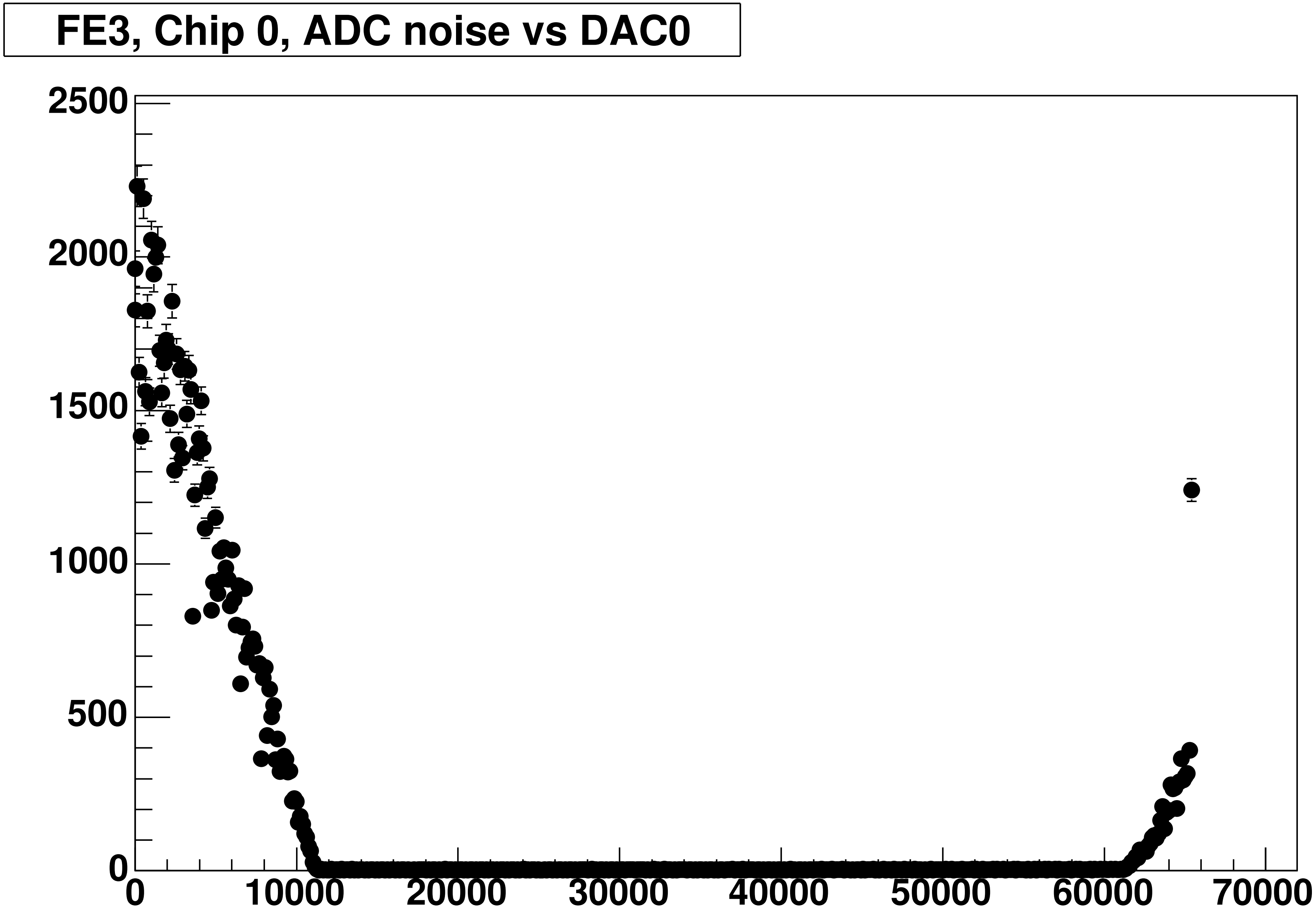

FE2, Chip 11, ADC mean vs DAC1
χ2 / ndf 5.068e+05 / 502
p0 108.8 ± 0.013
p1 0.4513 ± 3.424e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

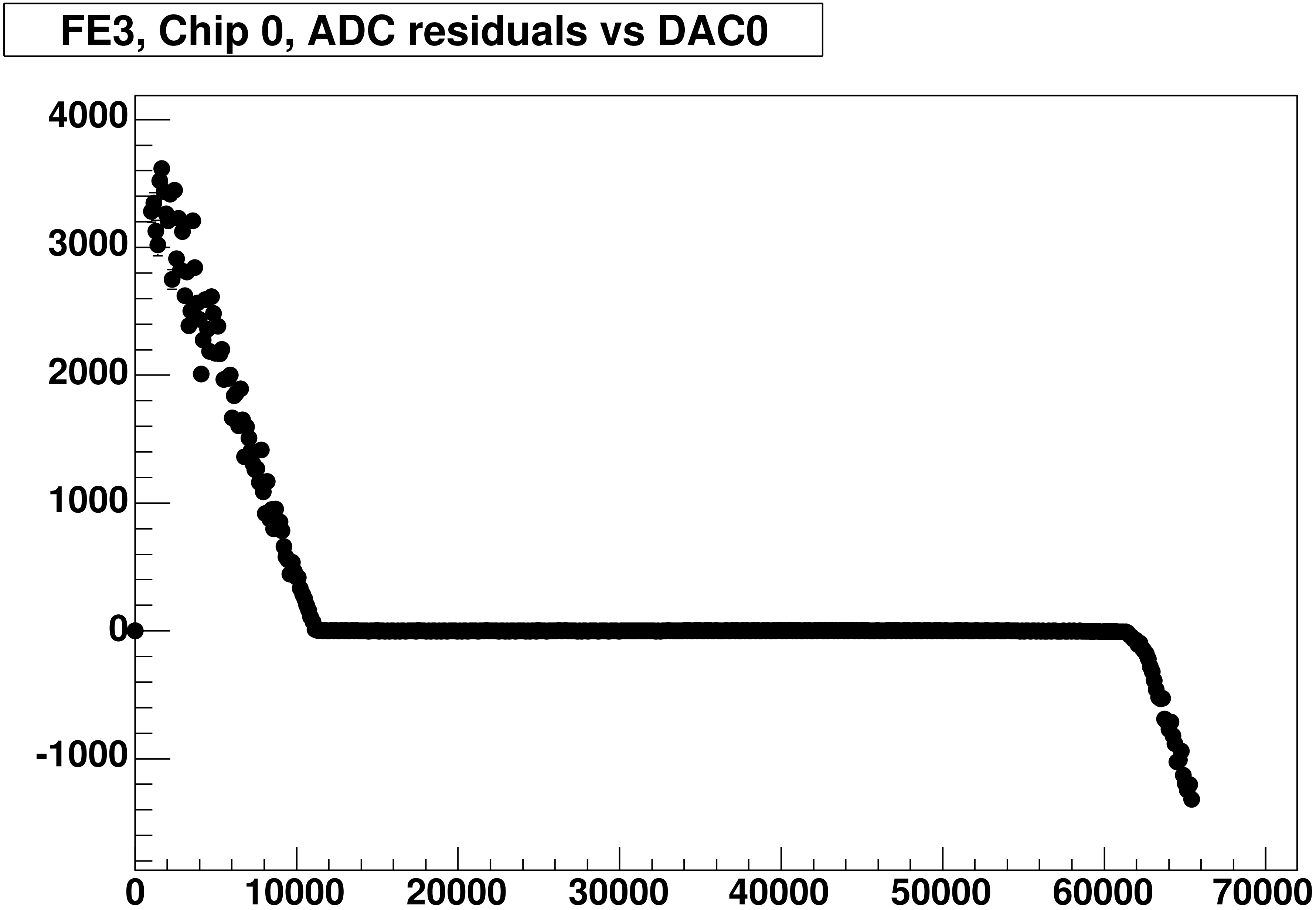

FE2, Chip 11, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

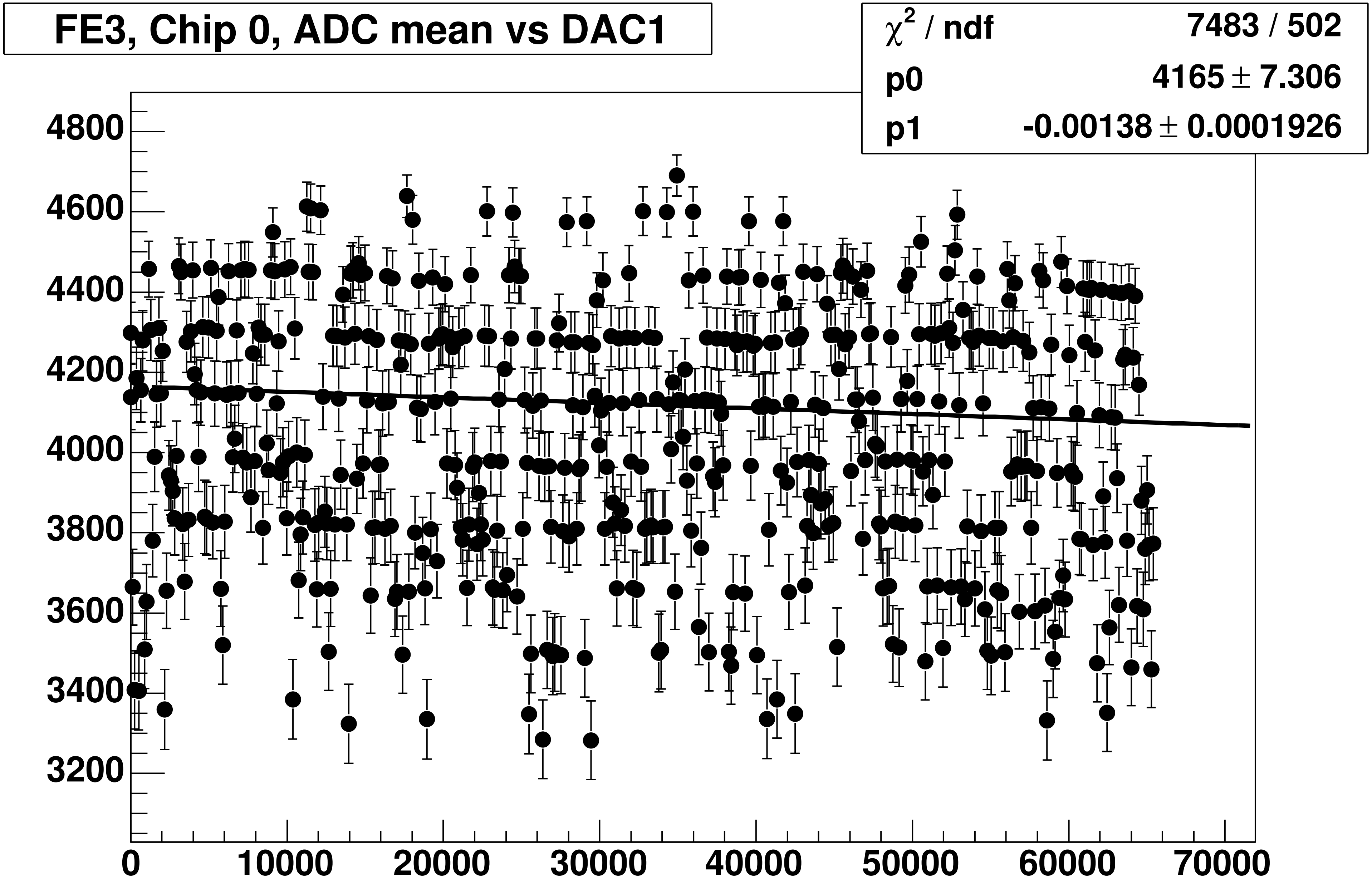

FE2, Chip 11, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



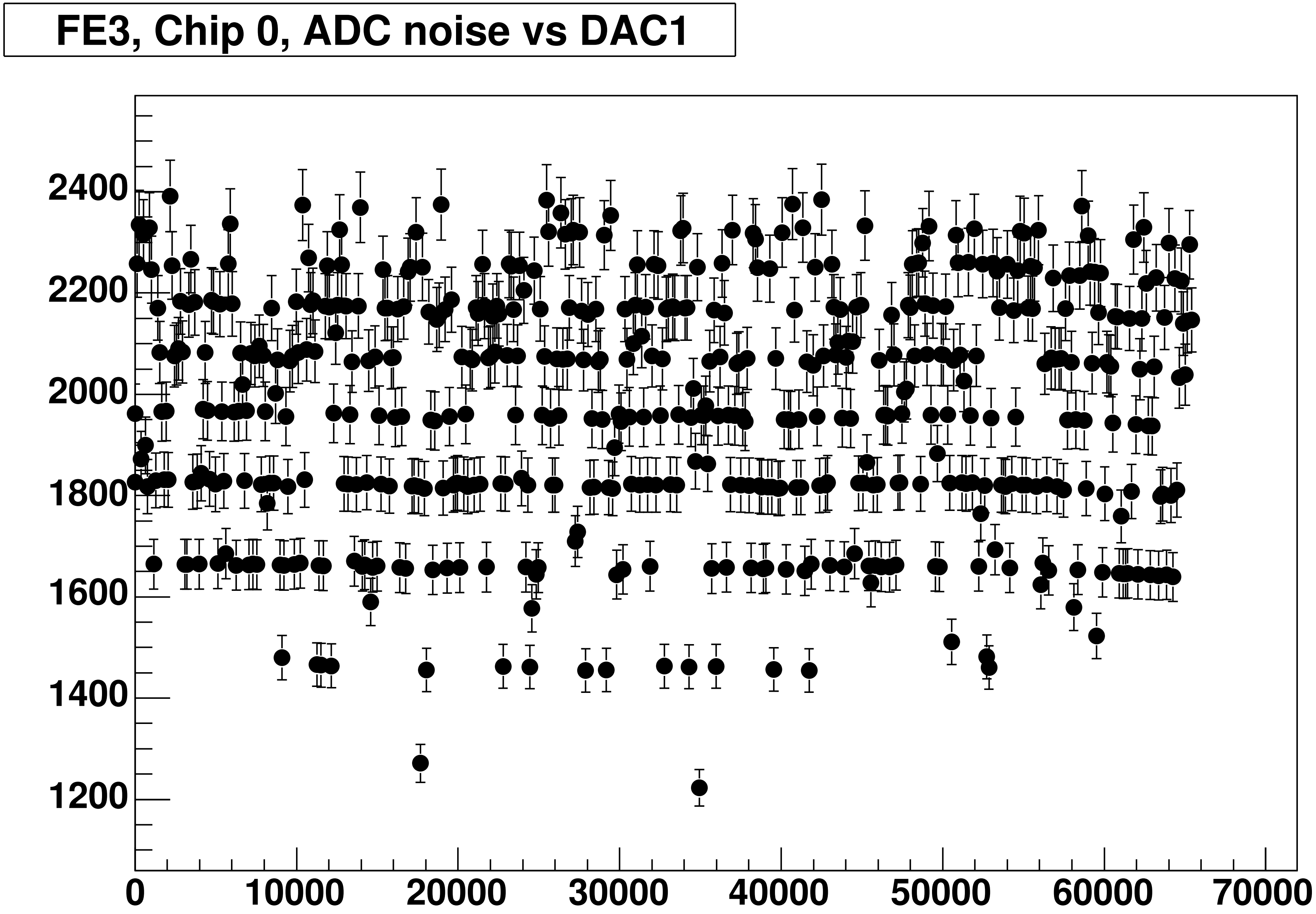
FE3, Chip 0, ADC mean vs DAC0
χ^2 / ndf 4.774e+05 / 502
p0 59.76 ± 0.01676
p1 0.4504 ± 4.657e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

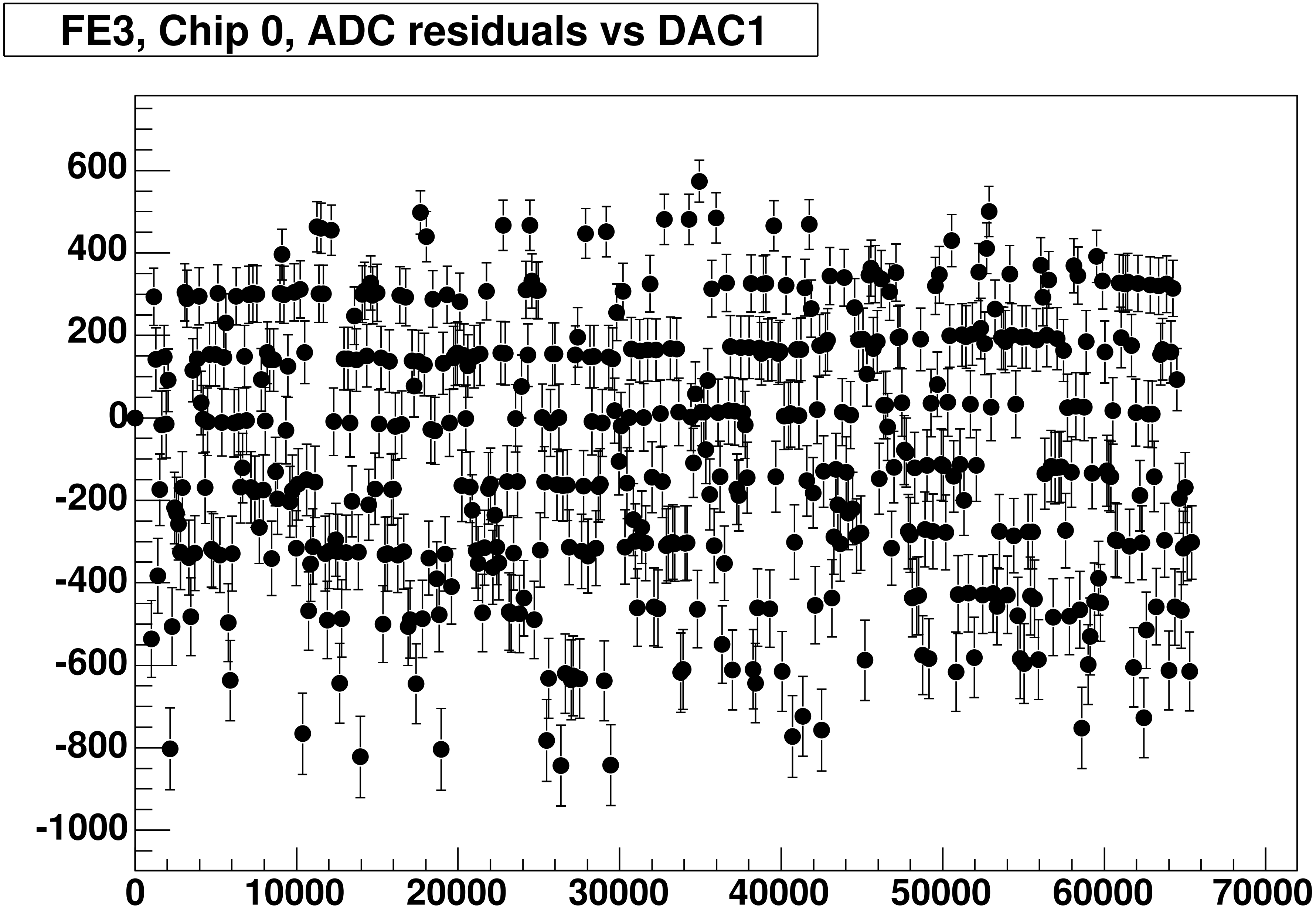

FE3, Chip 0, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 0, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

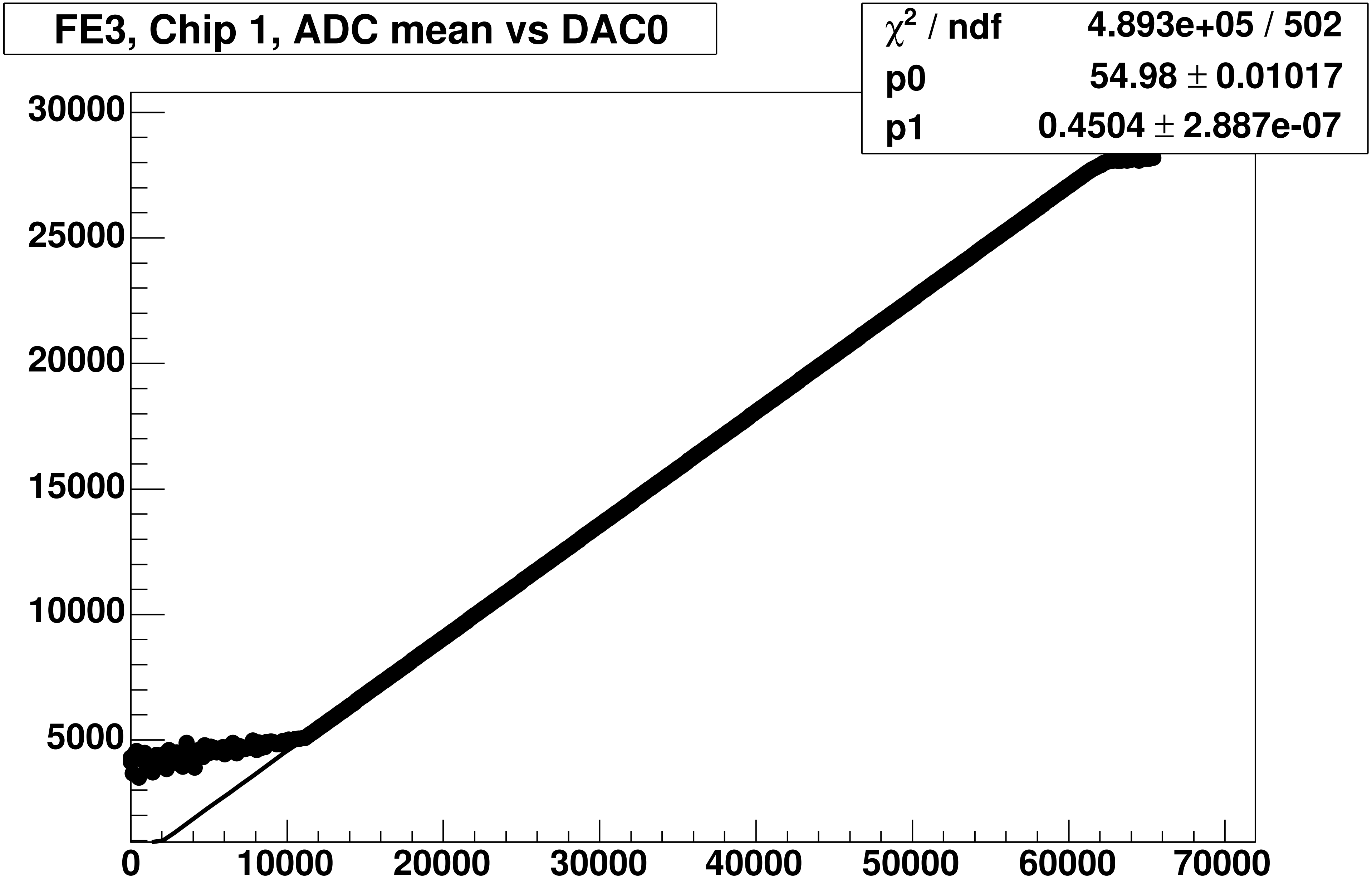


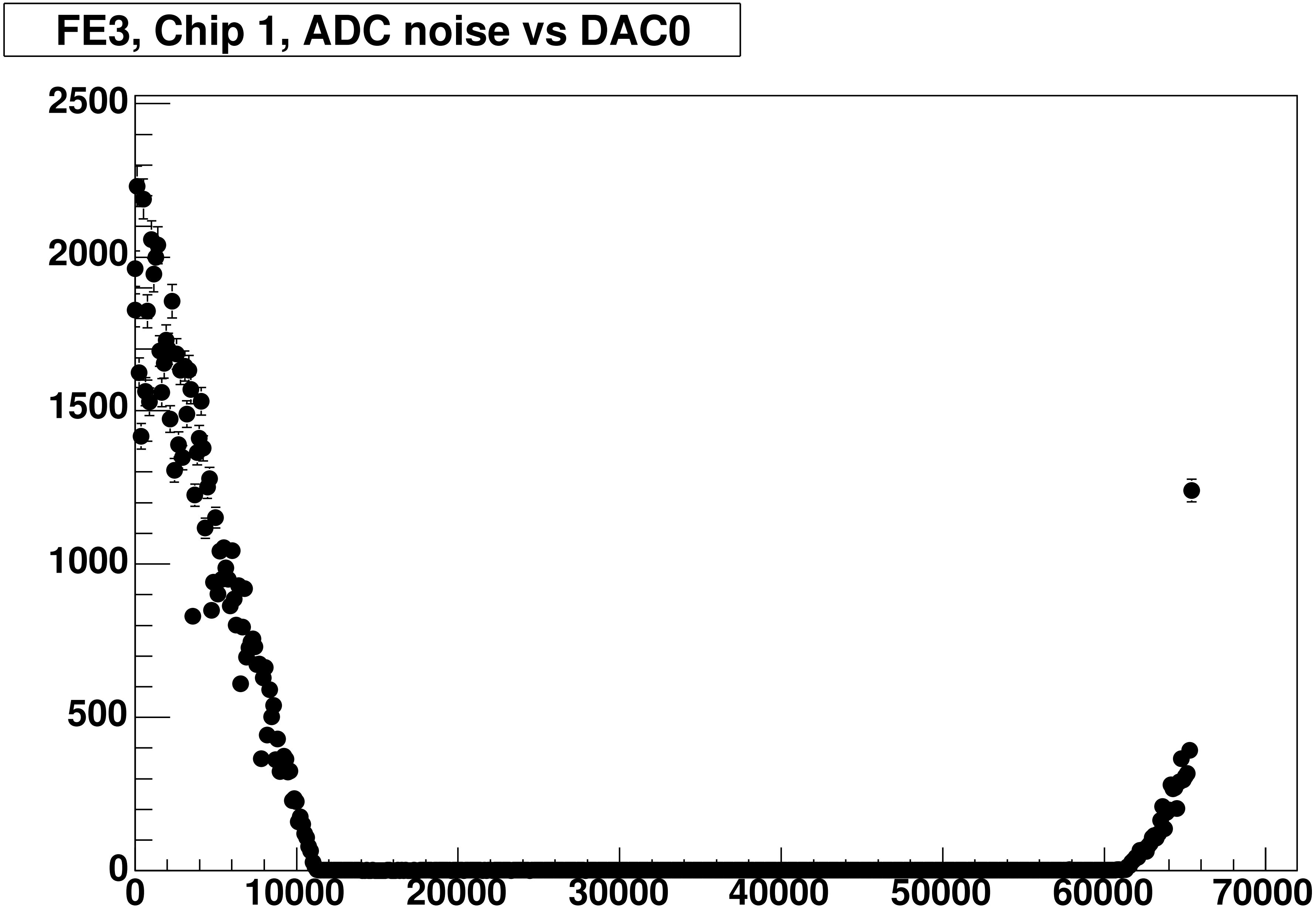
FE3, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4165 ± 7.306
p1 -0.00138 ± 0.0001926
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

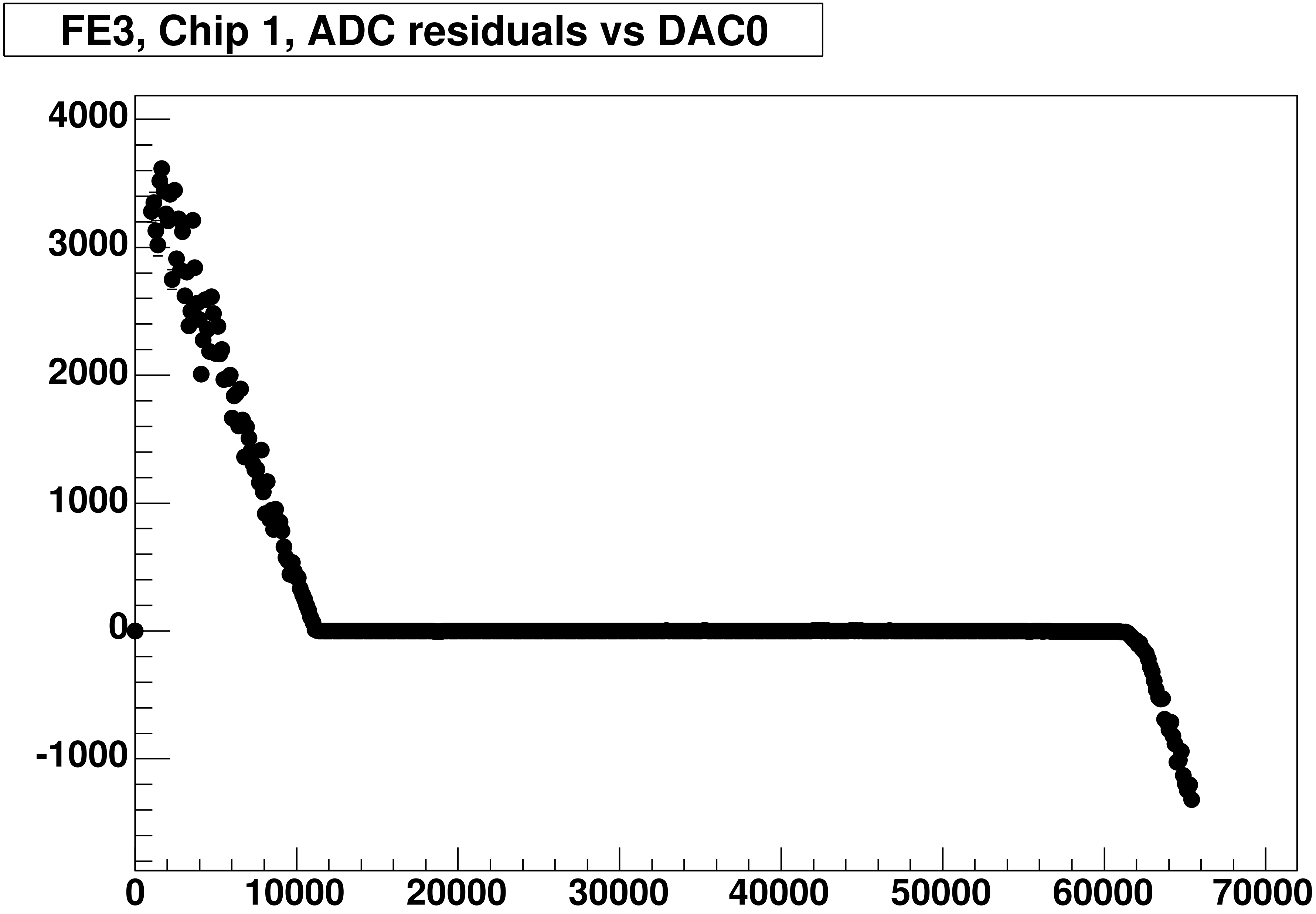

FE3, Chip 0, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000



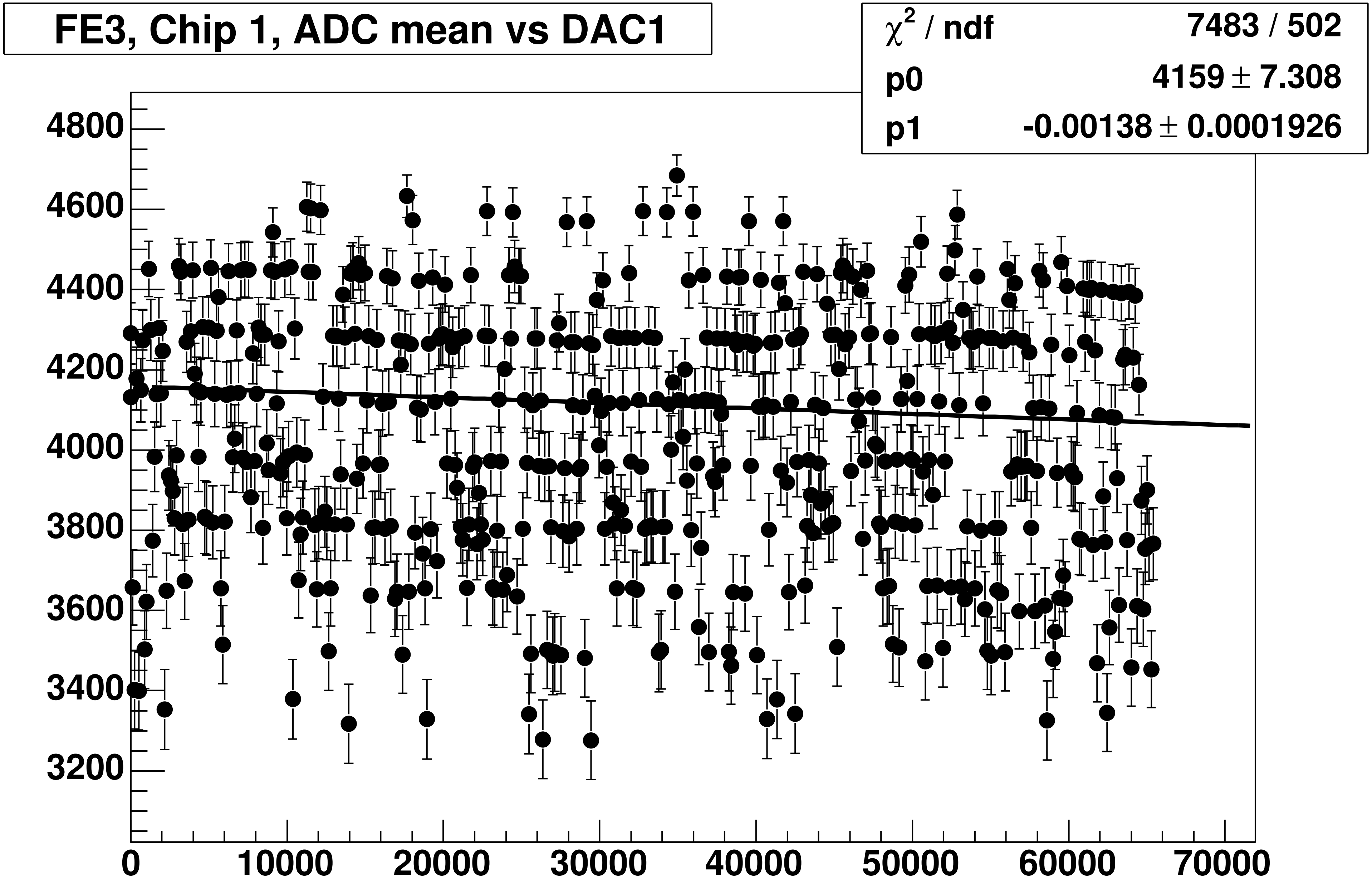
FE3, Chip 0, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

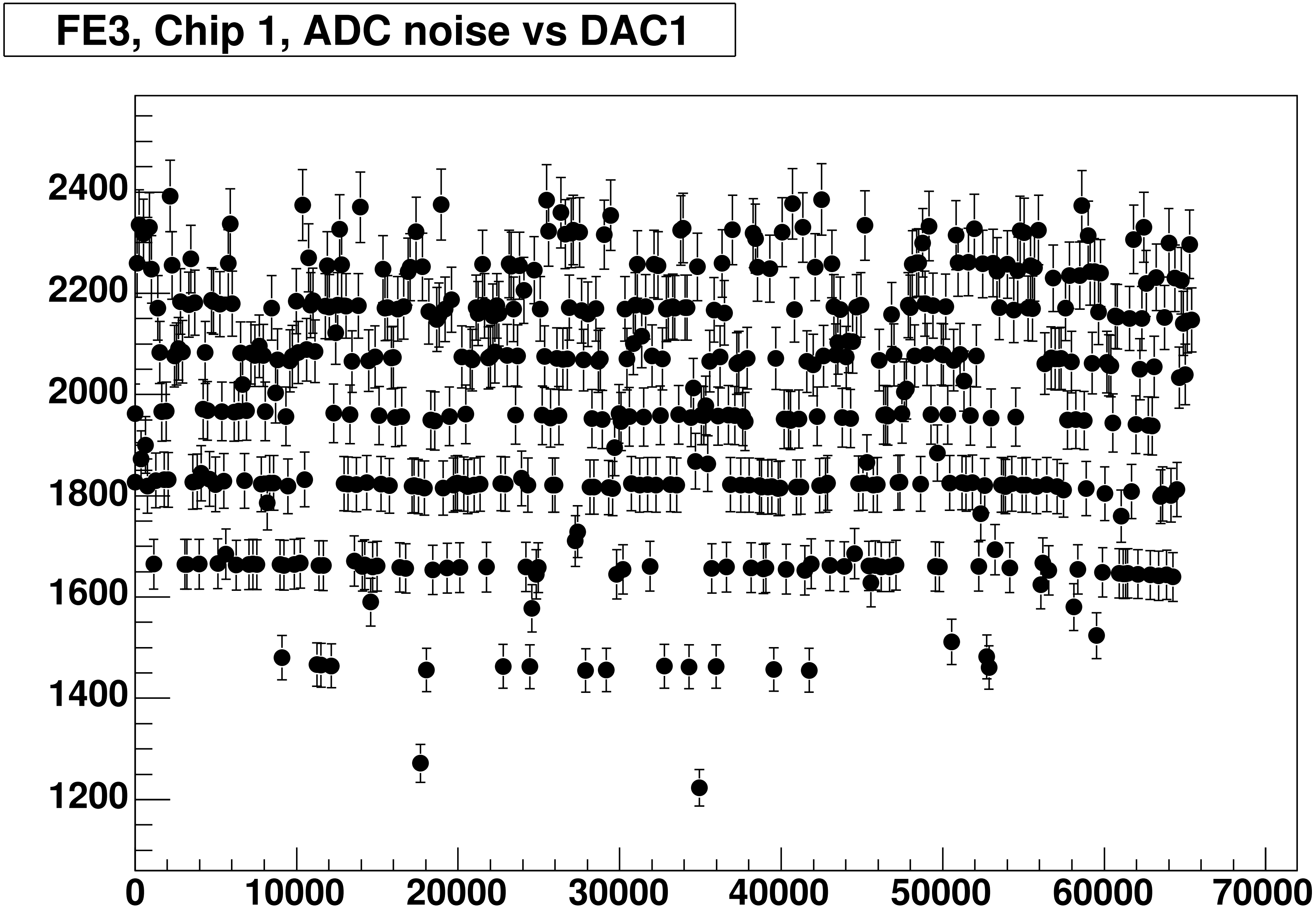

FE3, Chip 1, ADC mean vs DAC0
χ^2 / ndf 4.893e+05 / 502
p0 54.98 ± 0.01017
p1 0.4504 ± 2.887e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

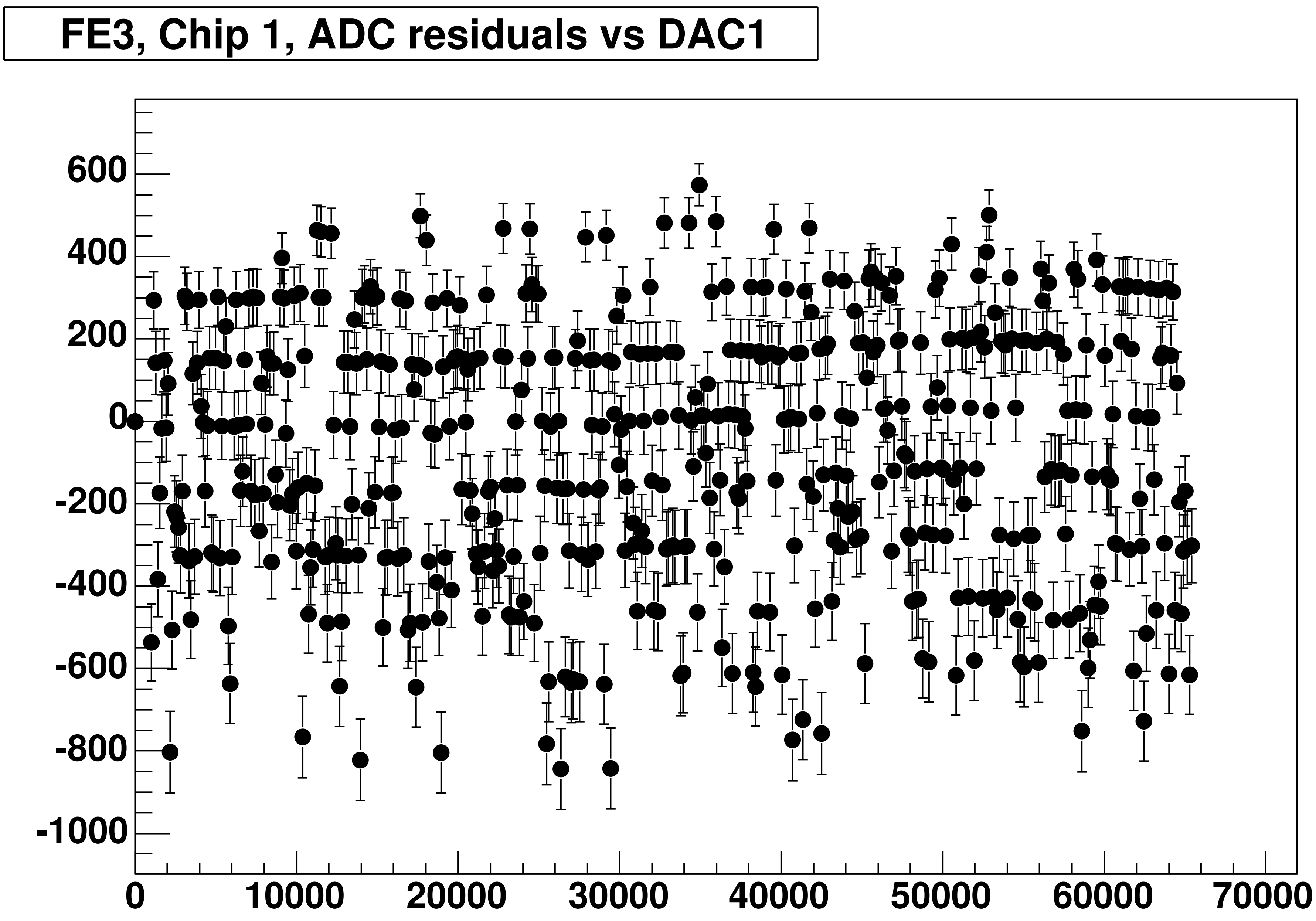

FE3, Chip 1, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

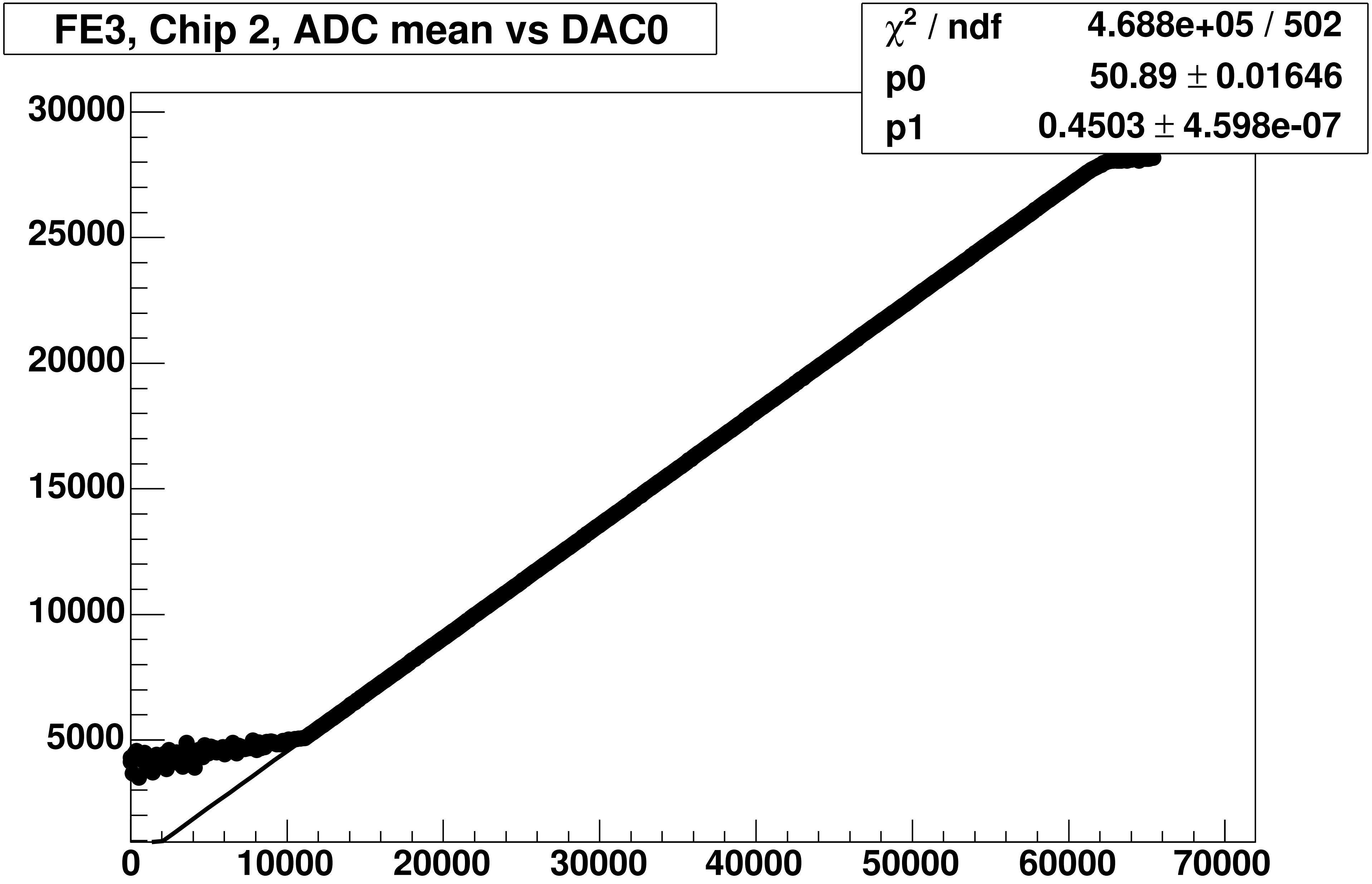


FE3, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

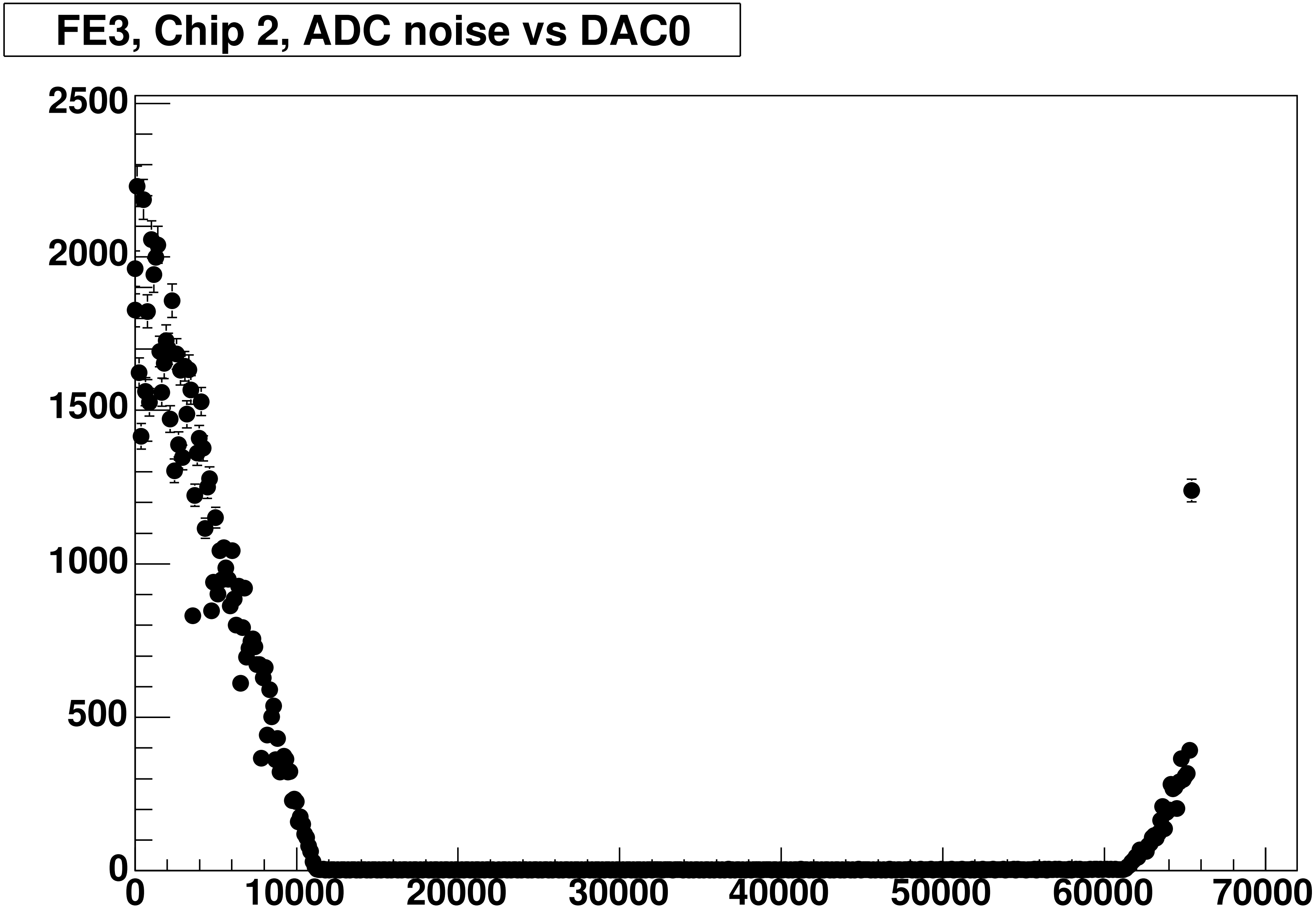

FE3, Chip 1, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4159 ± 7.308
p1 -0.00138 ± 0.0001926
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

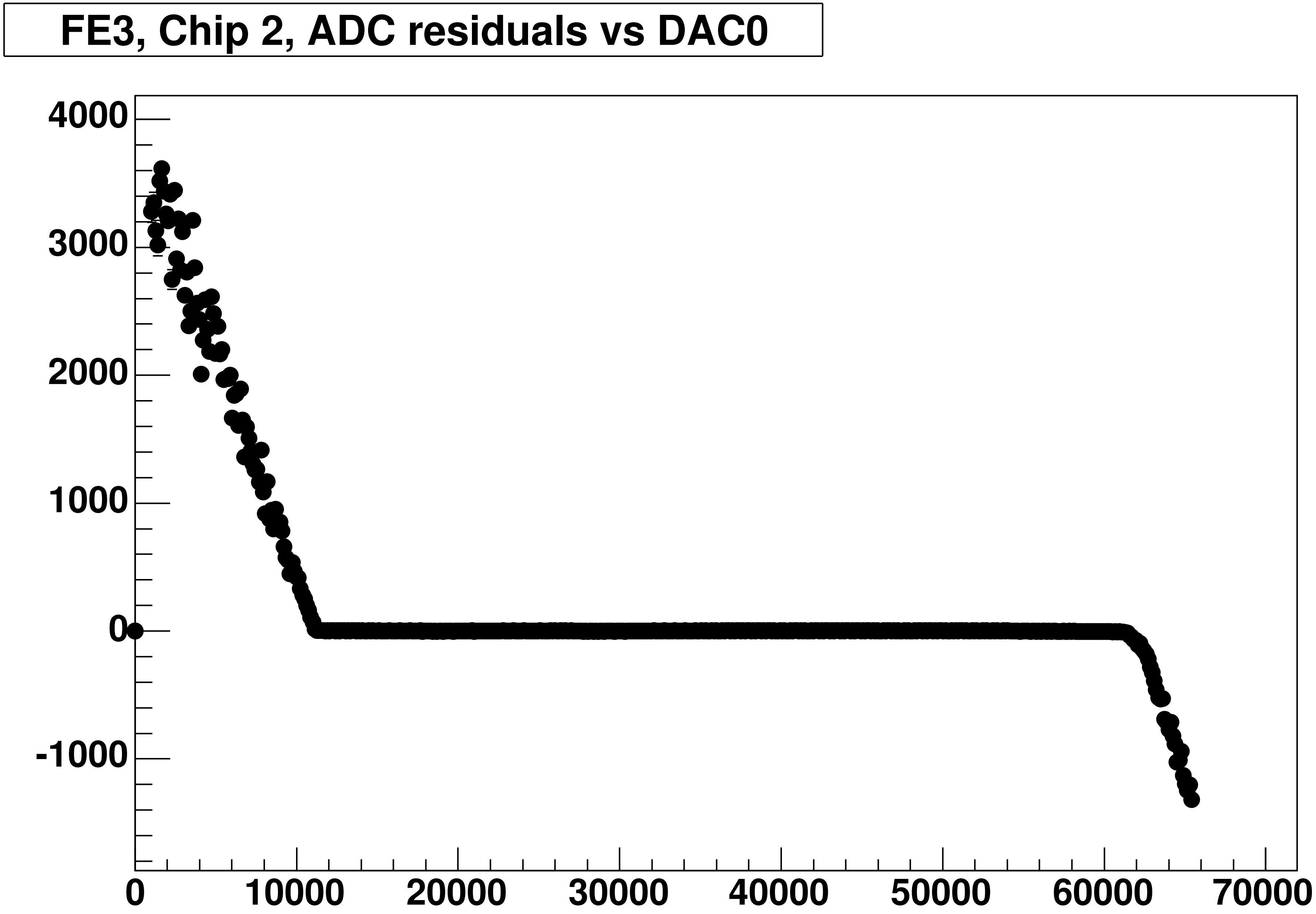

FE3, Chip 1, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

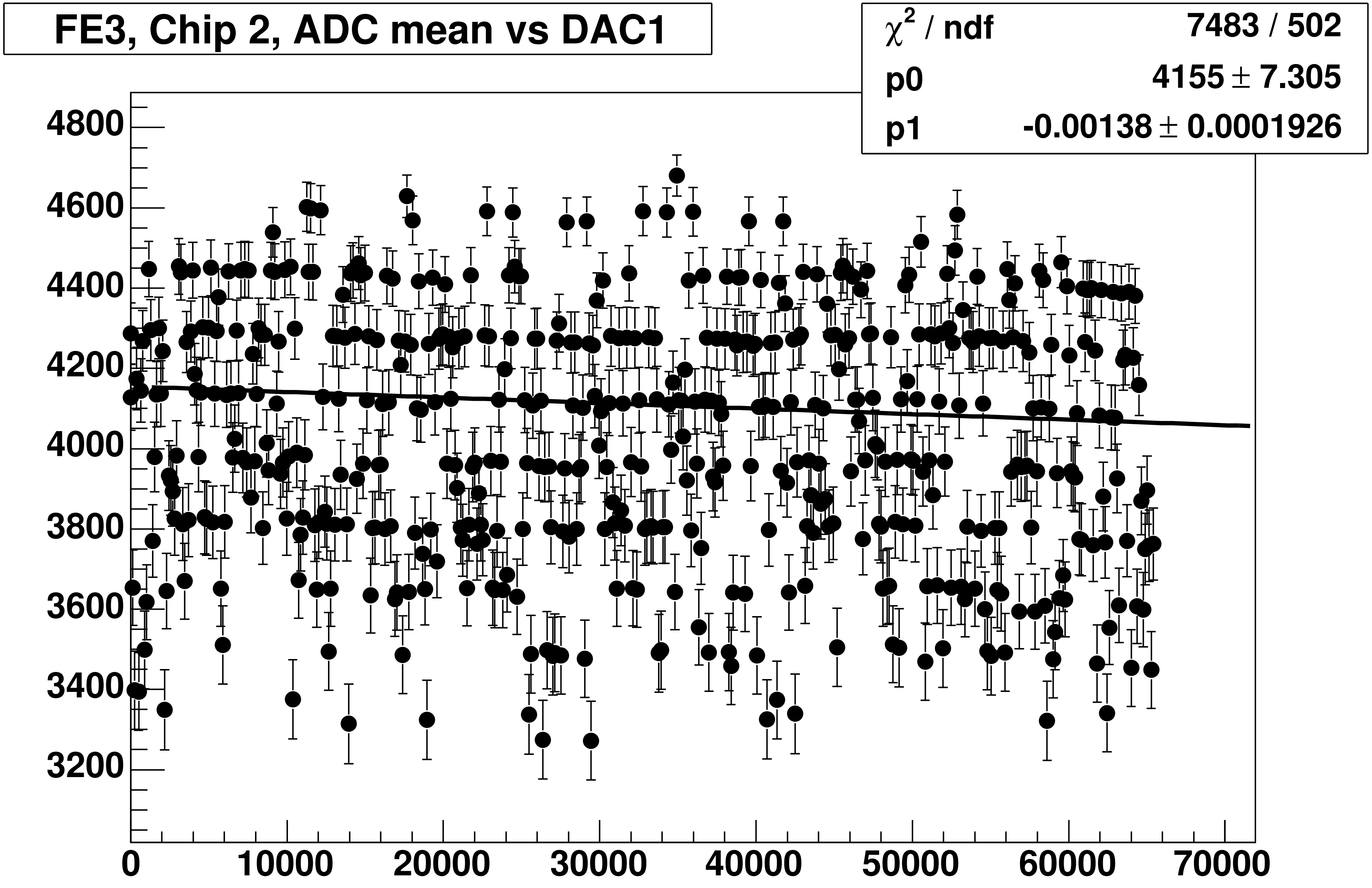

FE3, Chip 1, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



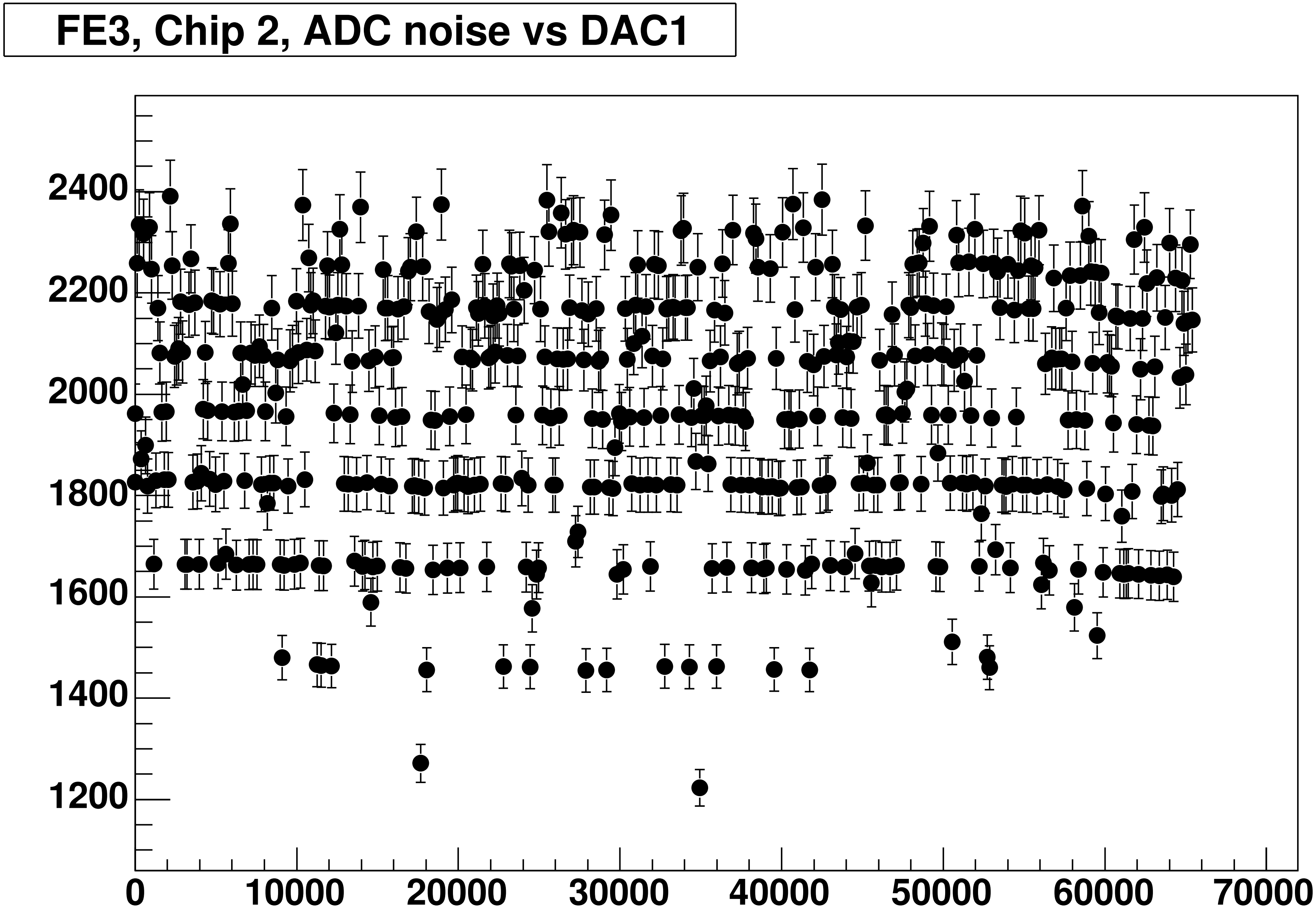
FE3, Chip 2, ADC mean vs DAC0
χ^2 / ndf 4.688e+05 / 502
p0 50.89 ± 0.01646
p1 0.4503 ± 4.598e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

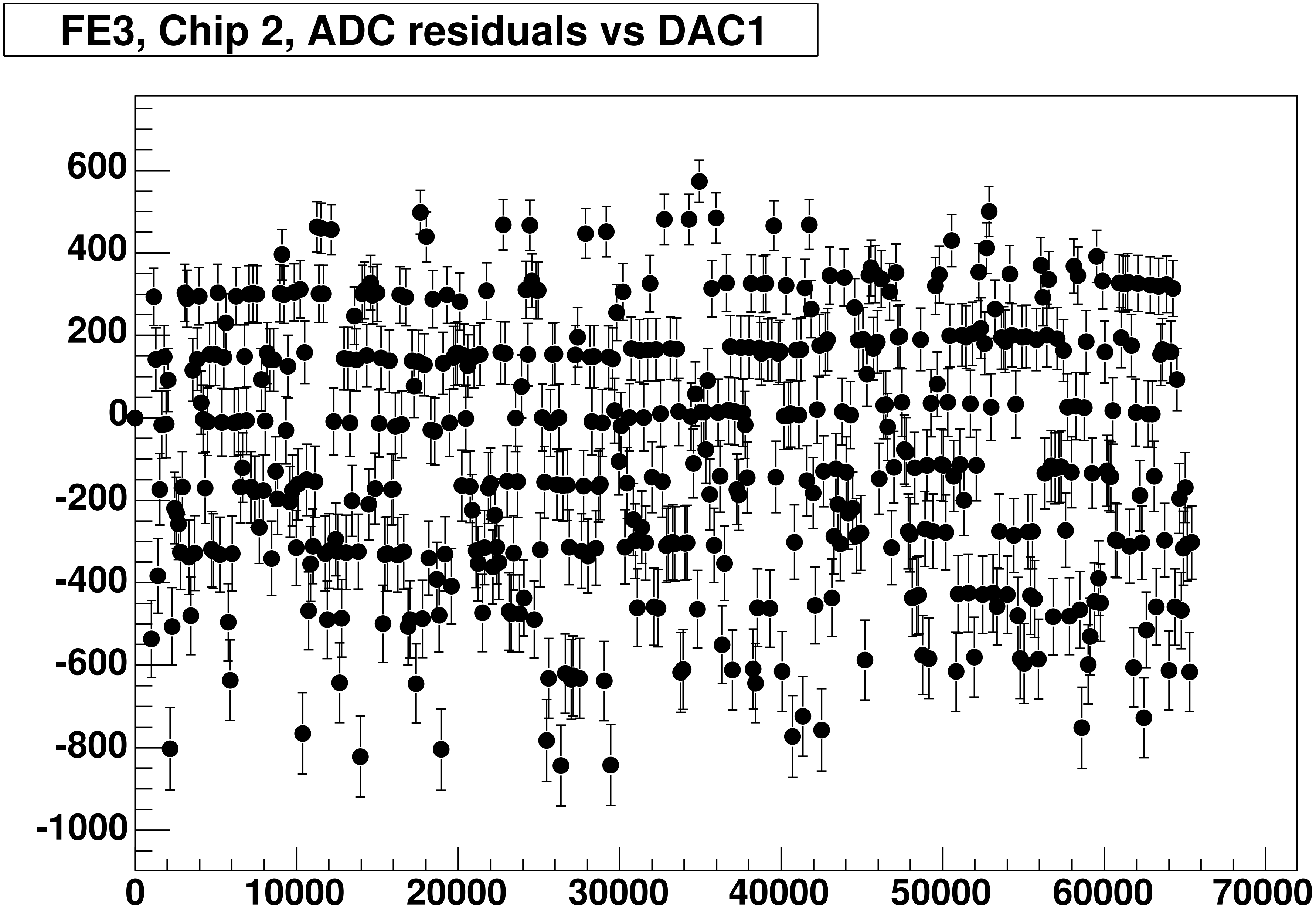

FE3, Chip 2, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

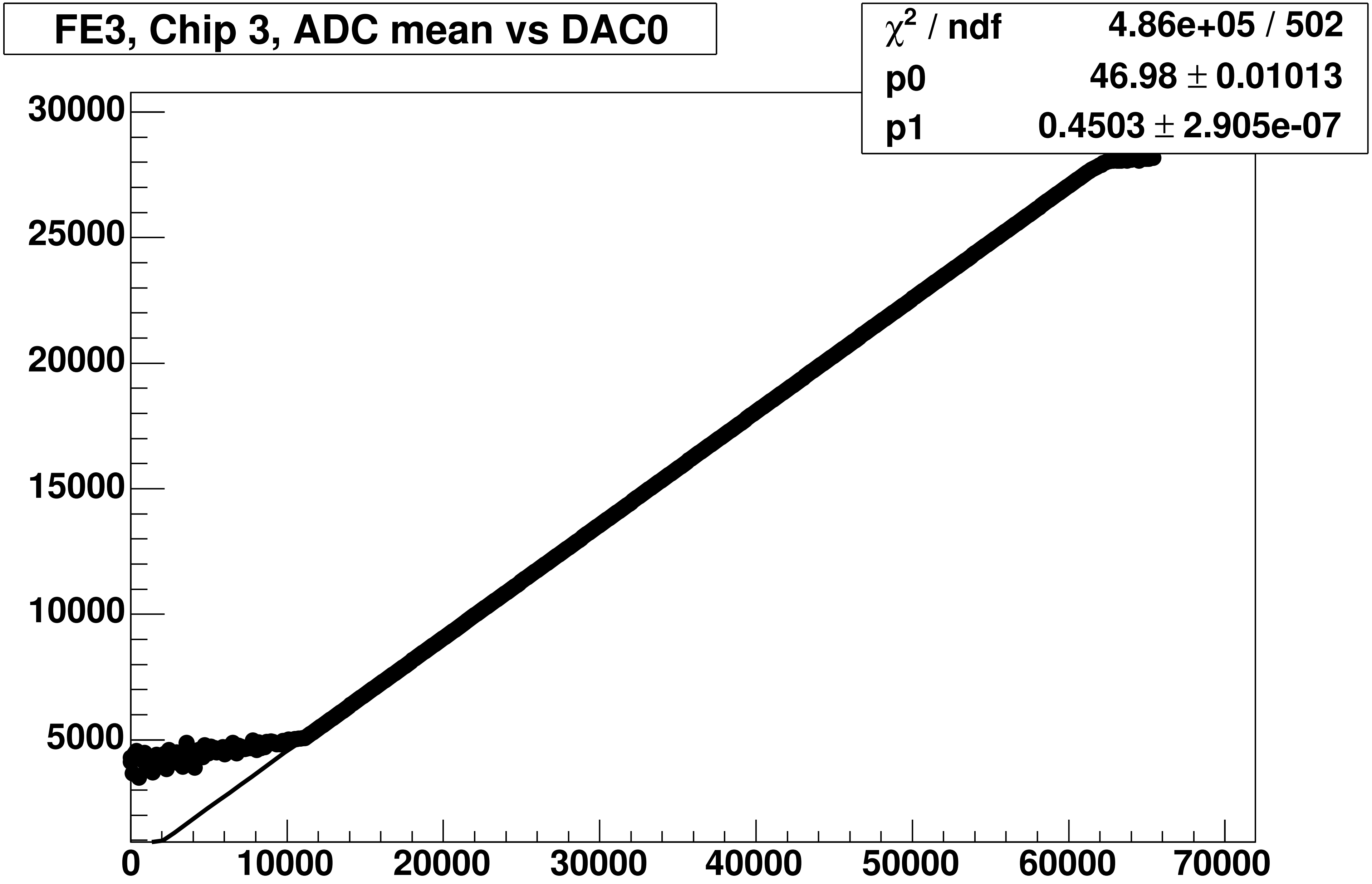

FE3, Chip 2, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

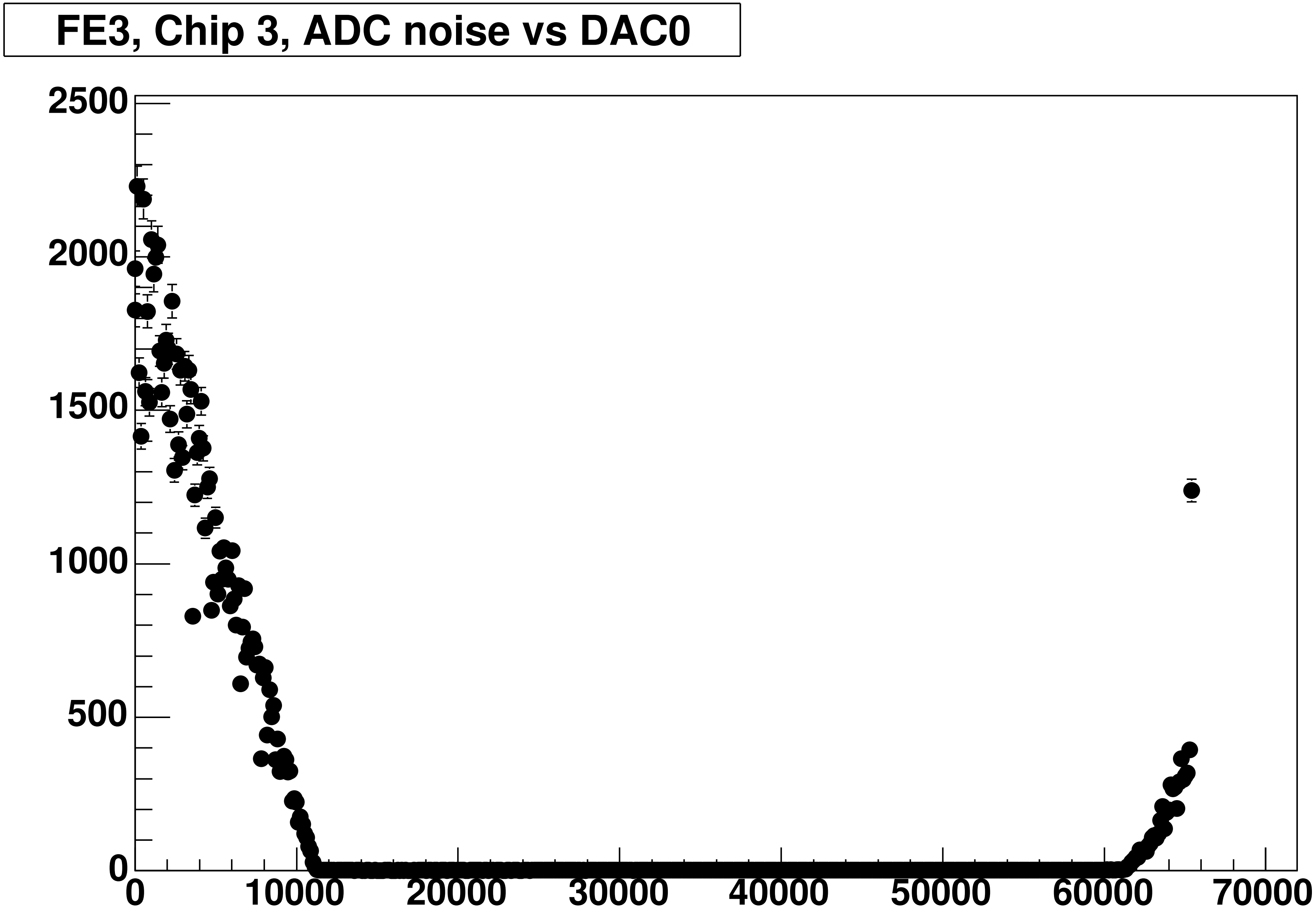


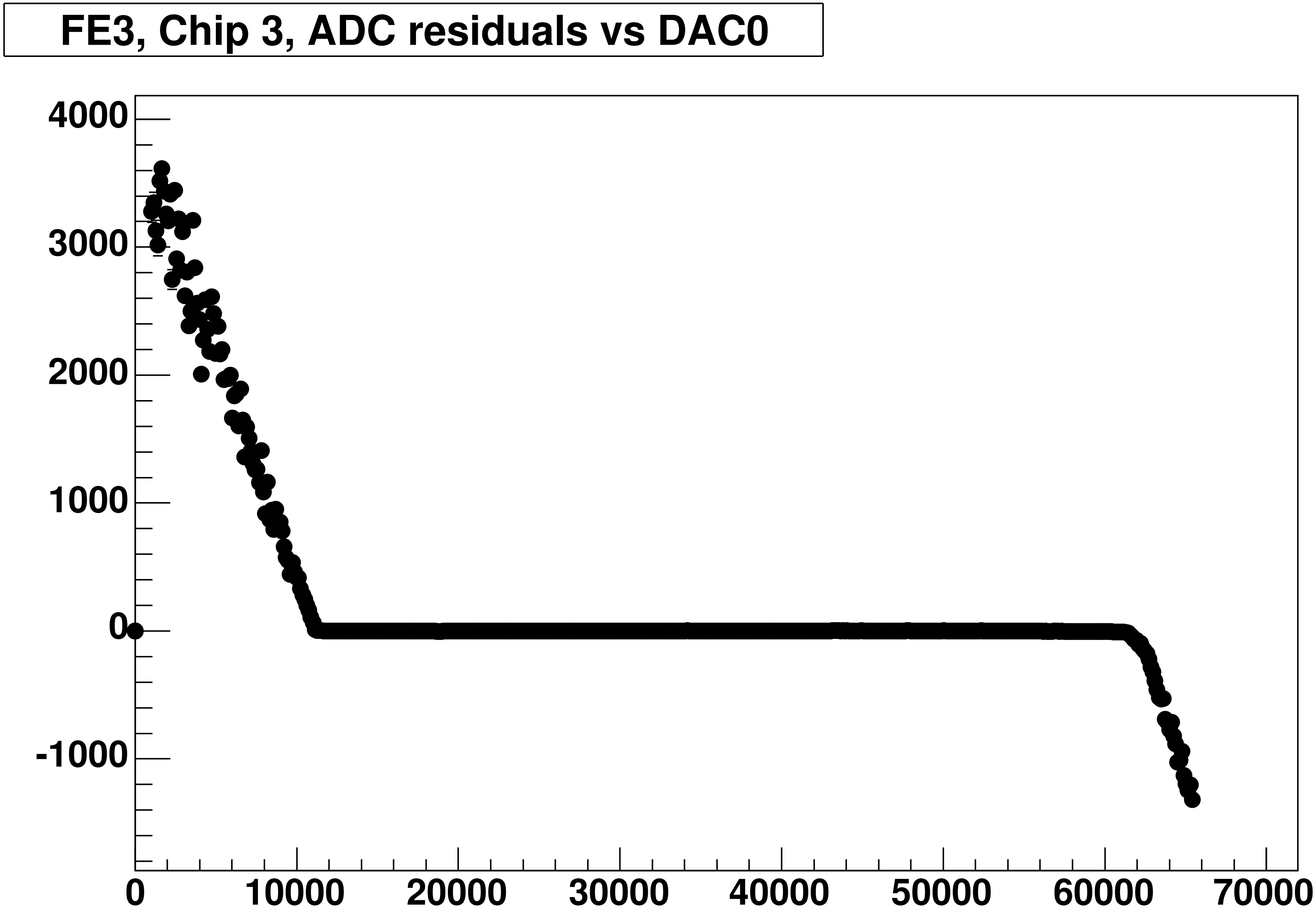
FE3, Chip 2, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4155 ± 7.305
p1 -0.00138 ± 0.0001926
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

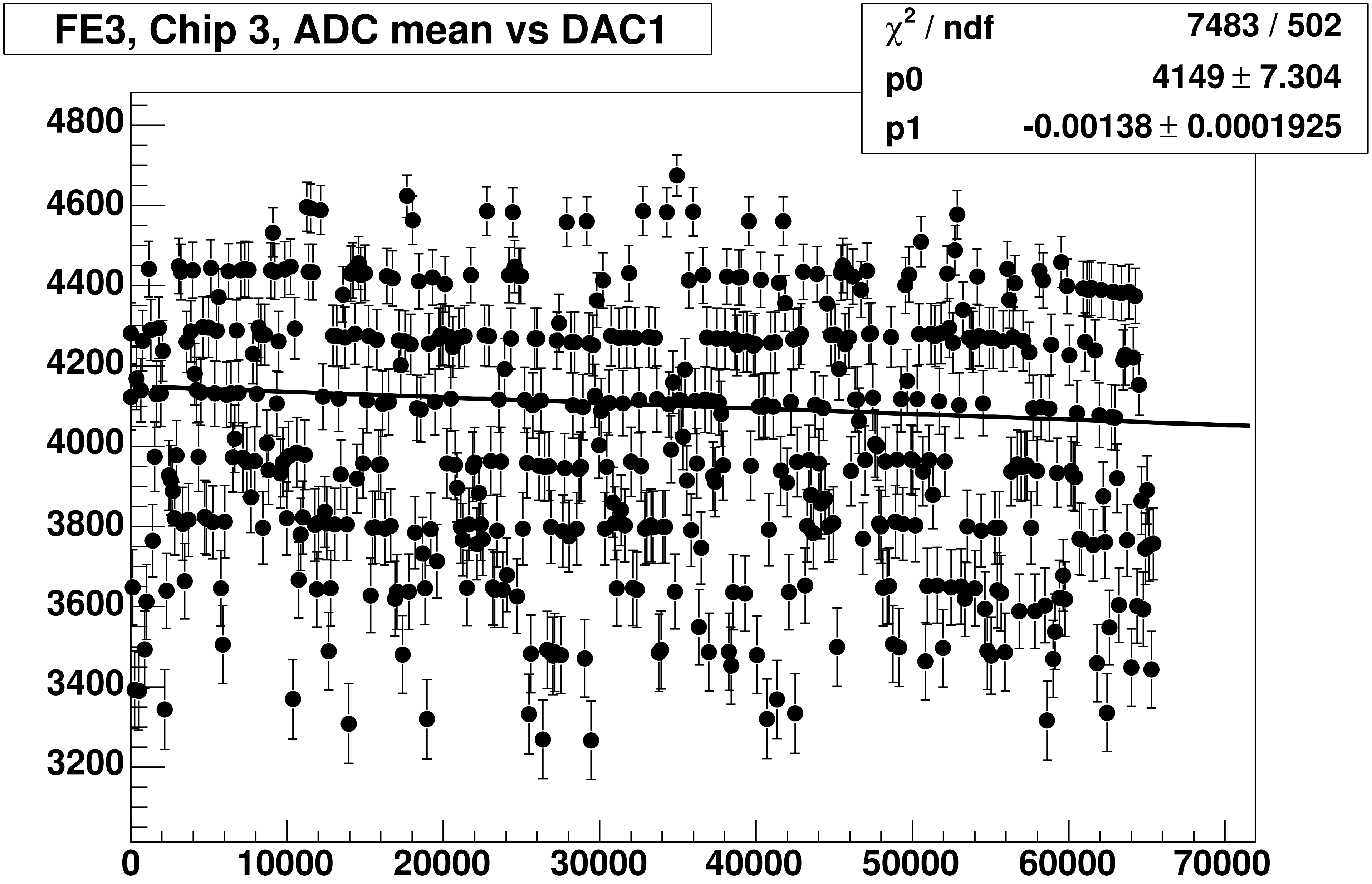

FE3, Chip 2, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

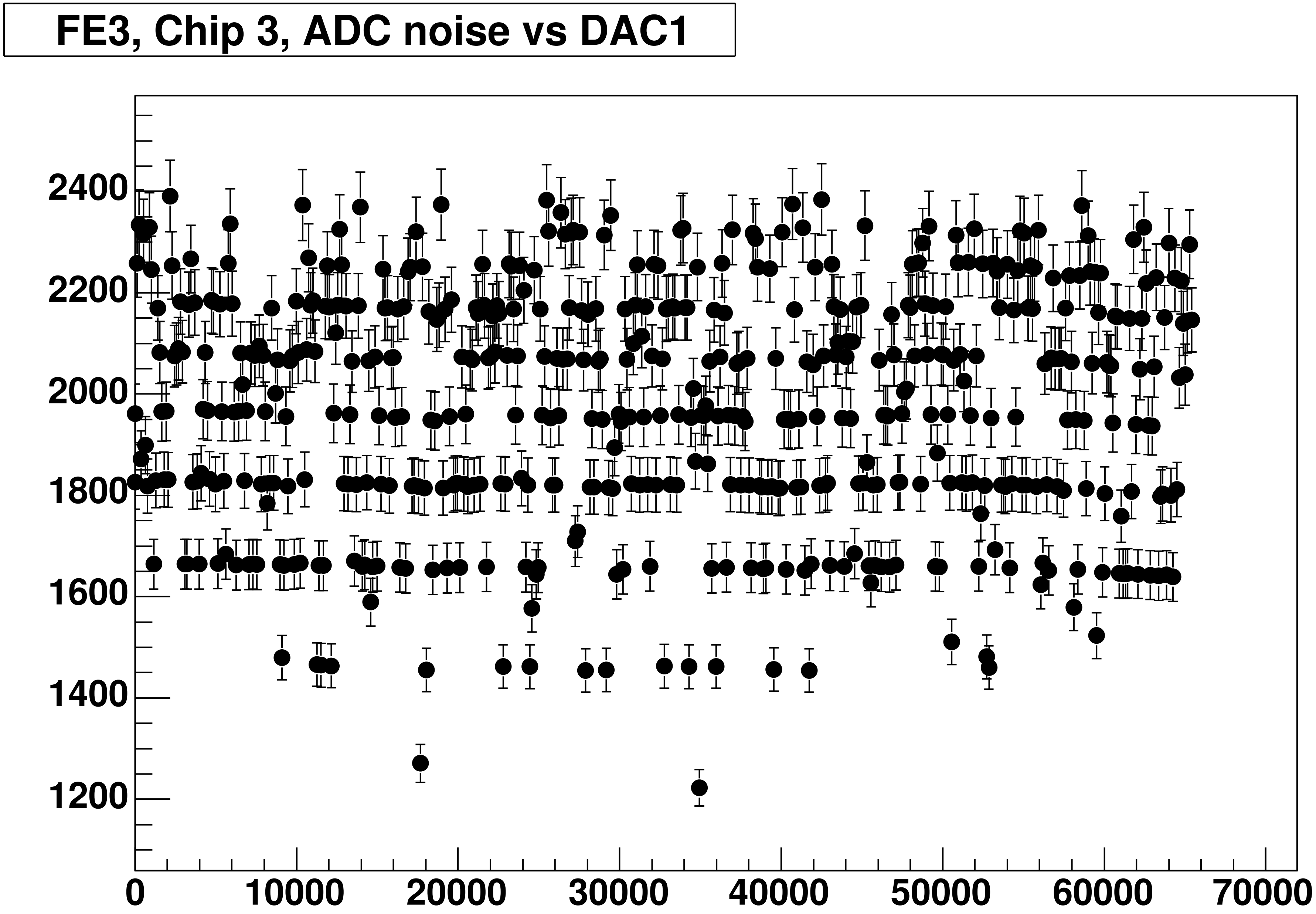

FE3, Chip 2, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

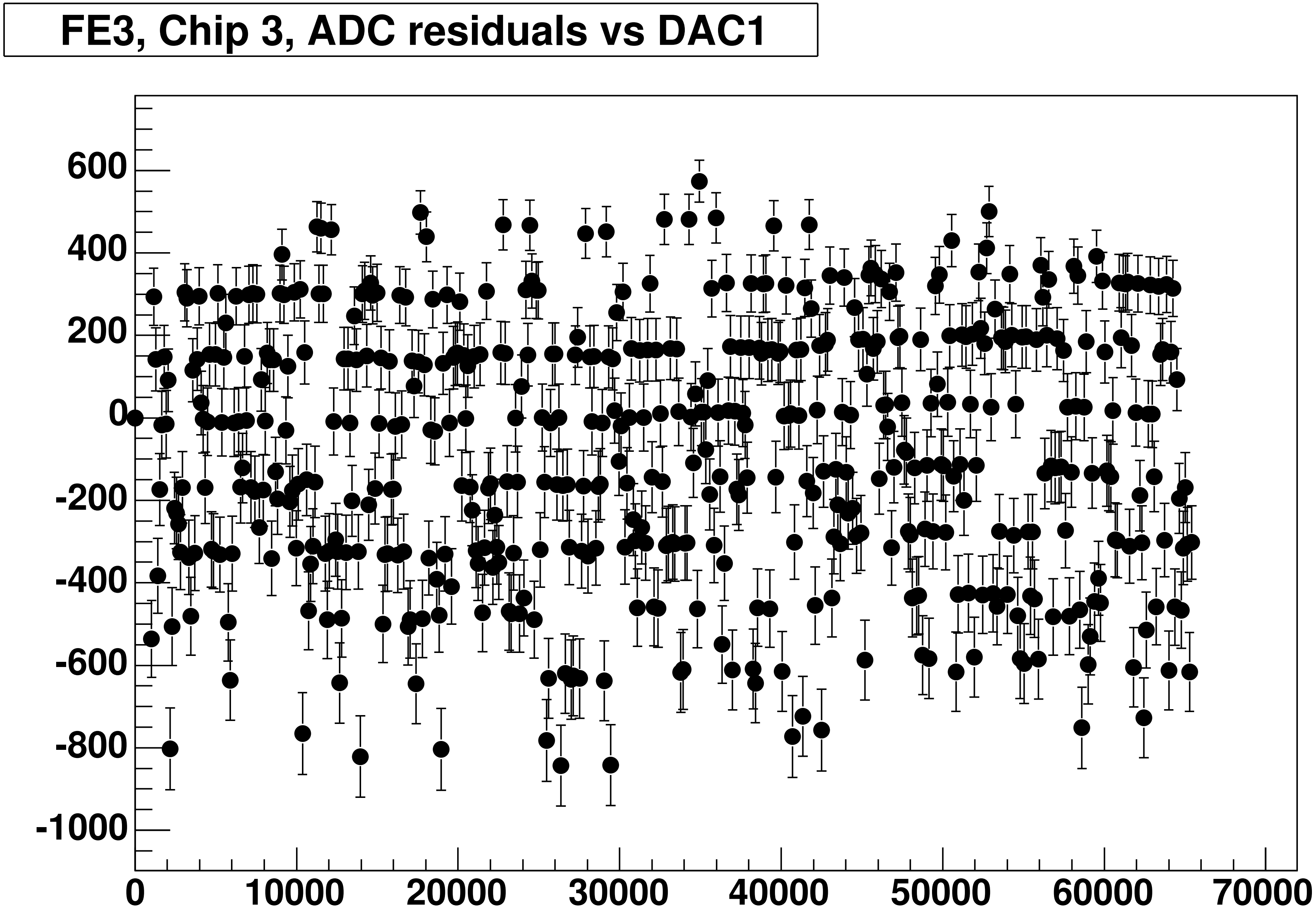

FE3, Chip 3, ADC mean vs DAC0
χ2 / ndf 4.86e+05 / 502
p0 46.98 ± 0.01013
p1 0.4503 ± 2.905e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

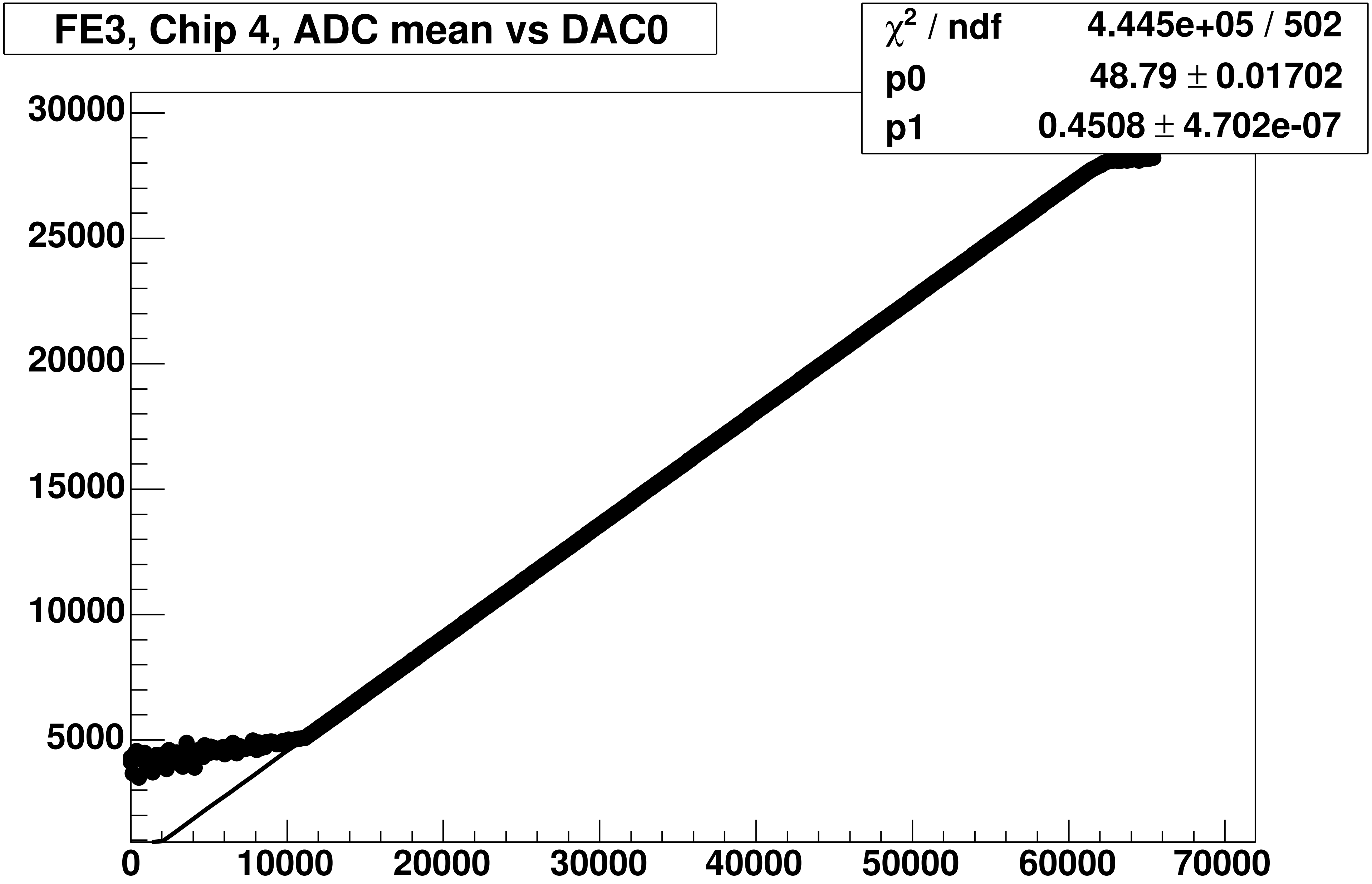

FE3, Chip 3, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

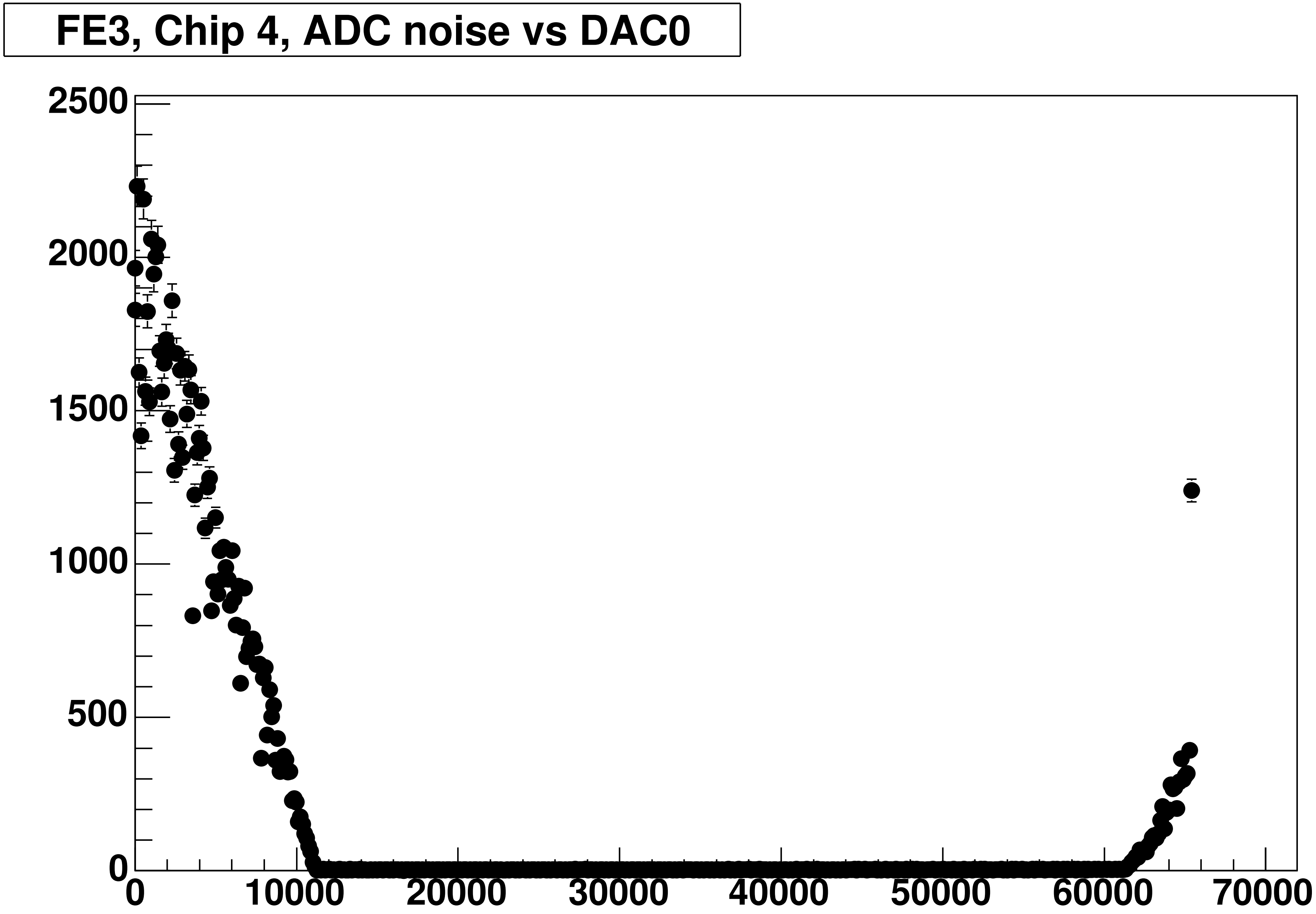

FE3, Chip 3, ADC mean vs DAC1
χ² / ndf 7483 / 502
p0 4149 ± 7.304
p1 -0.00138 ± 0.0001925
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

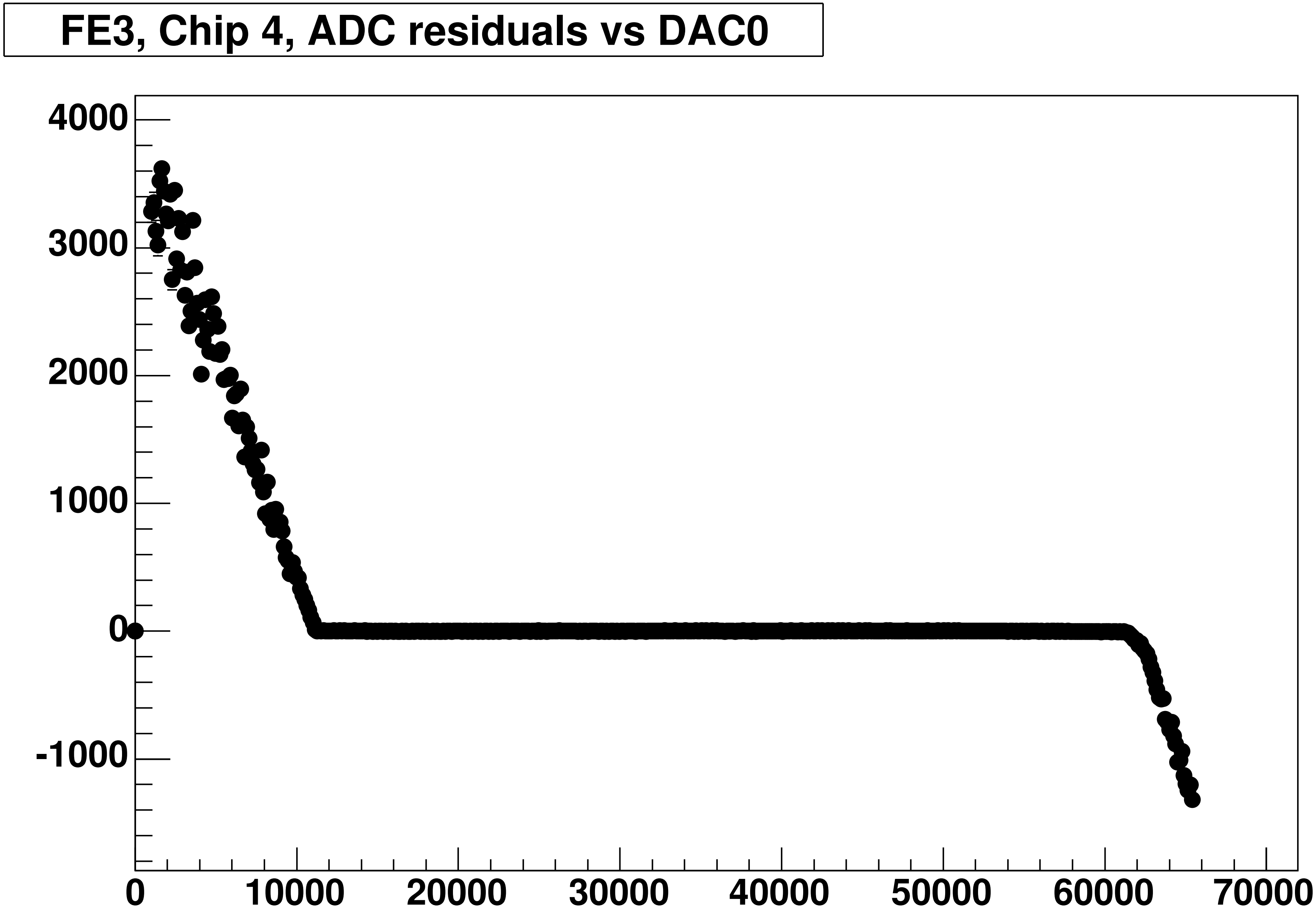

FE3, Chip 3, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 3, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

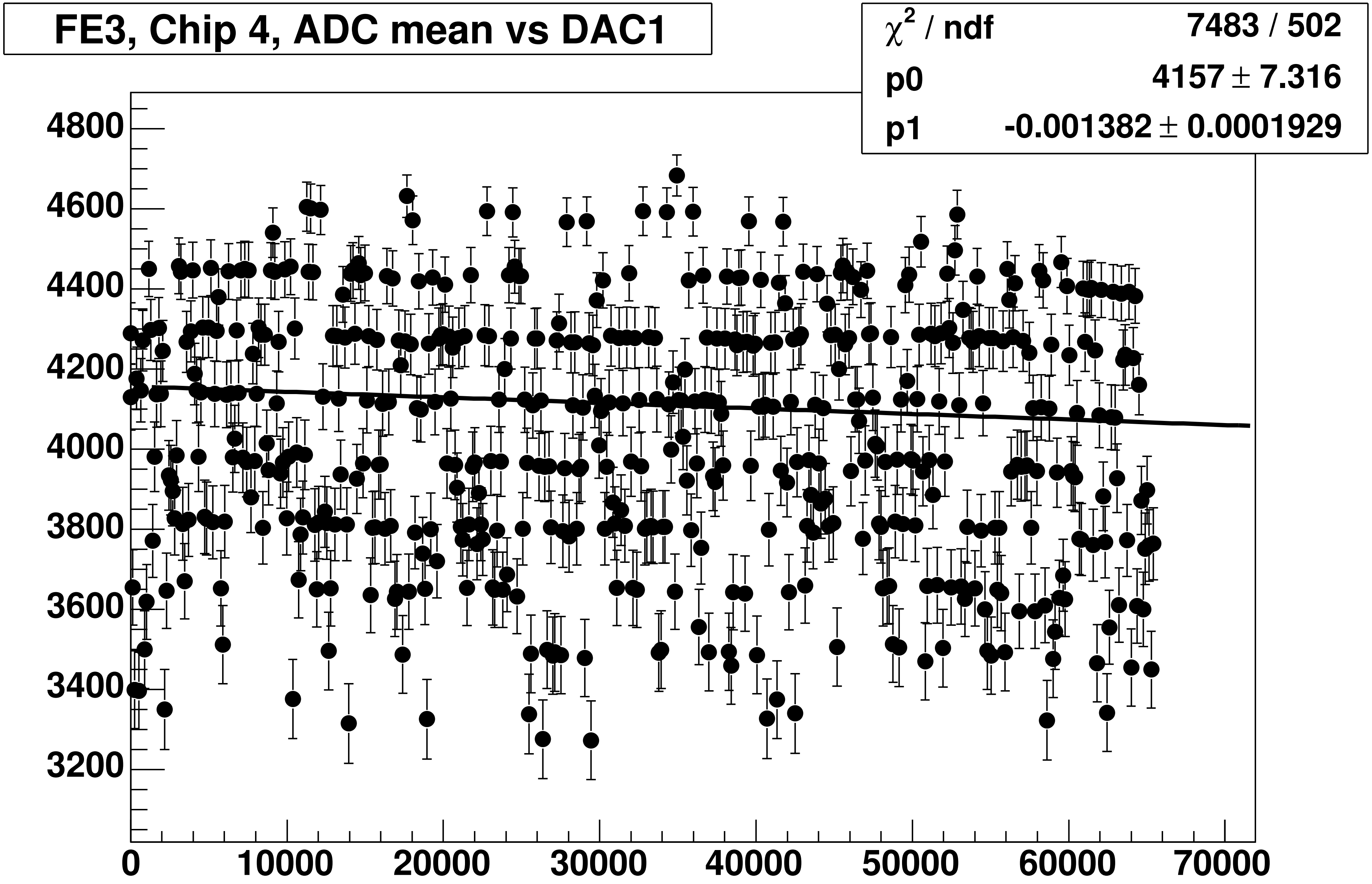


FE3, Chip 4, ADC mean vs DAC0
χ^2 / ndf 4.445e+05 / 502
p0 48.79 ± 0.01702
p1 0.4508 ± 4.702e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

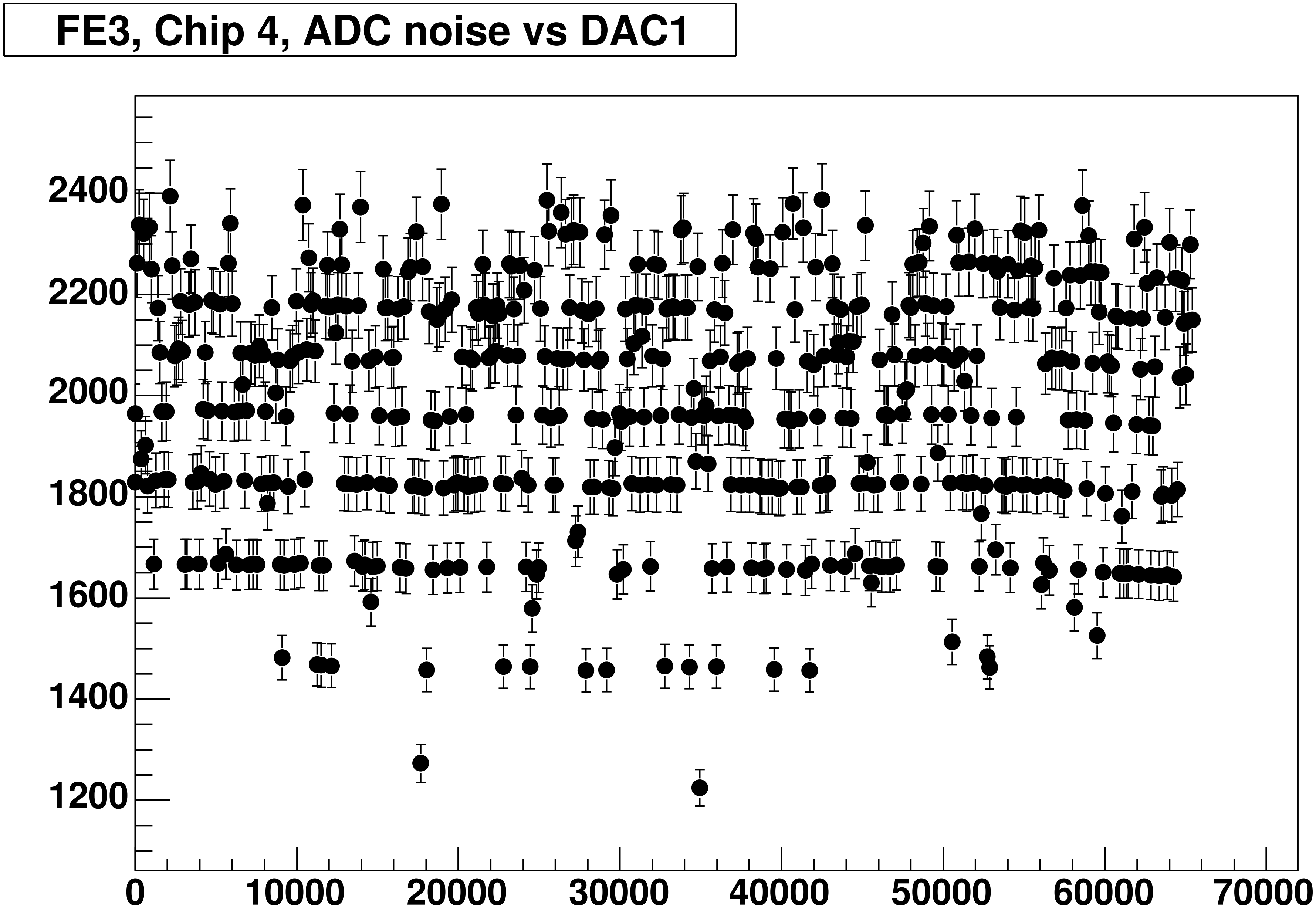

FE3, Chip 4, ADC noise vs DAC0
0
500
1000
1500
2000
2500
0
10000
20000
30000
40000
50000
60000
70000



FE3, Chip 4, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



FE3, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4157 ± 7.316
p1 -0.001382 ± 0.0001929
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000



FE3, Chip 4, ADC noise vs DAC1
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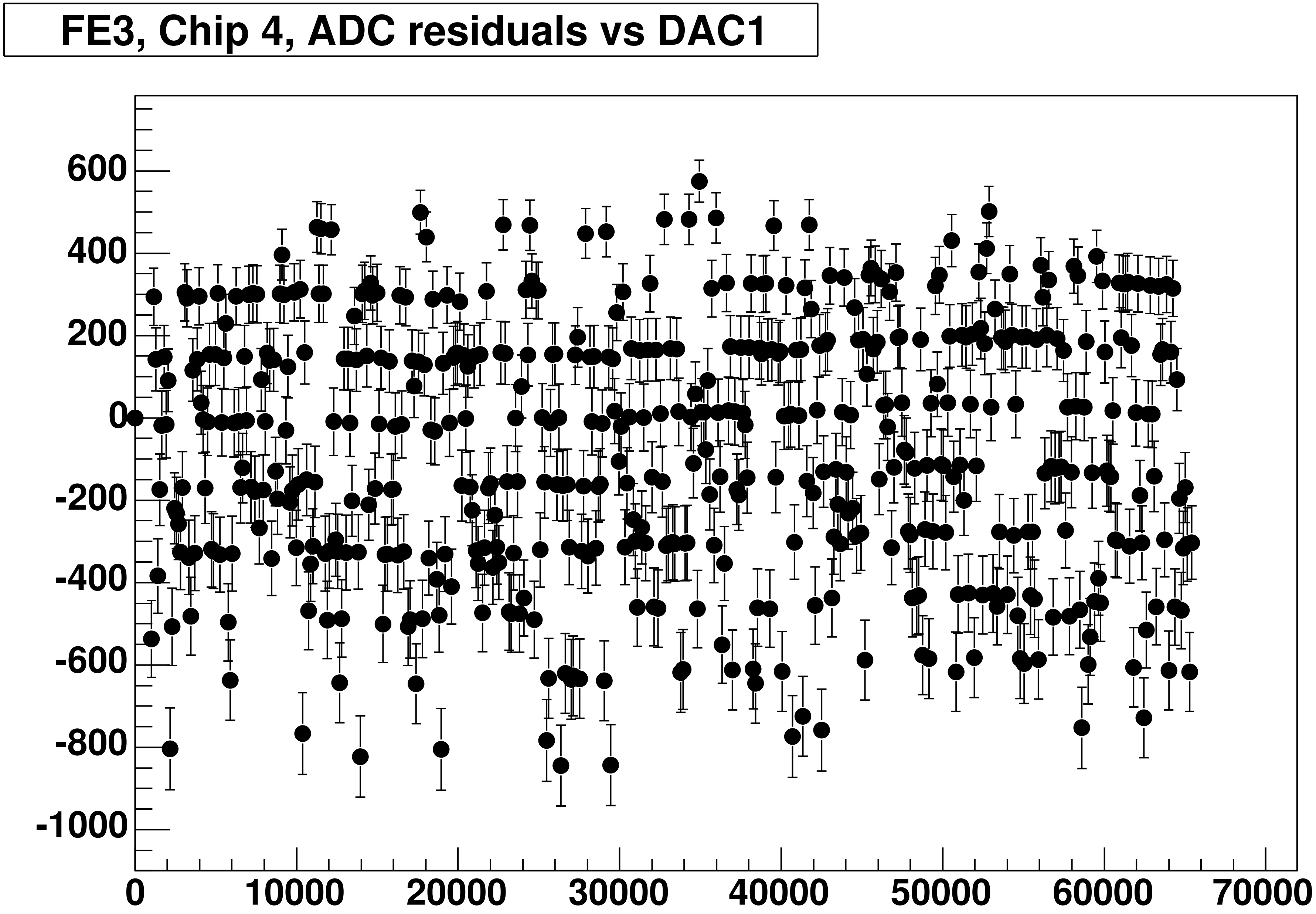
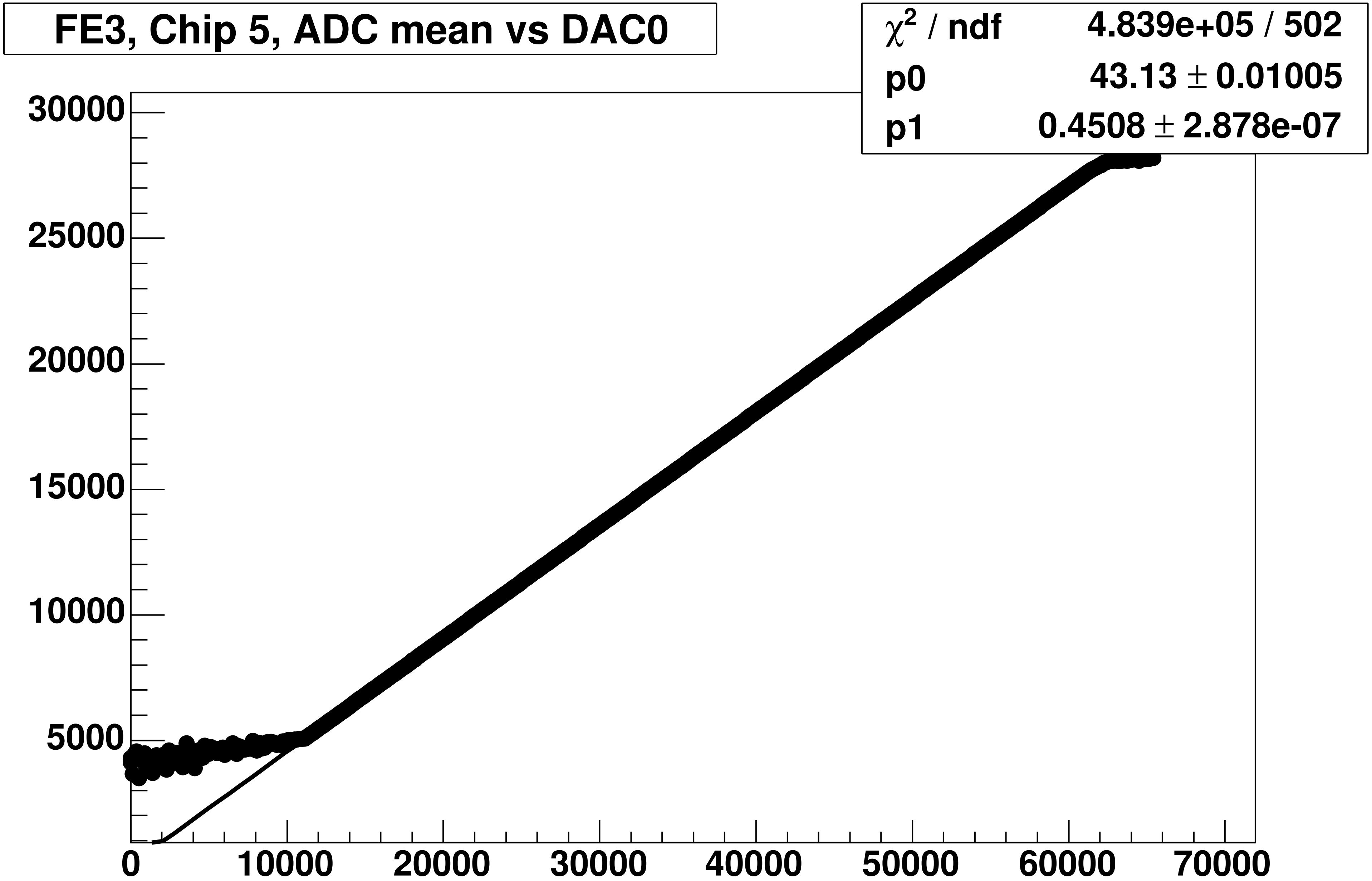
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 4, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 5, ADC mean vs DAC0
χ² / ndf 4.839e+05 / 502
p0 43.13 ± 0.01005
p1 0.4508 ± 2.878e-07
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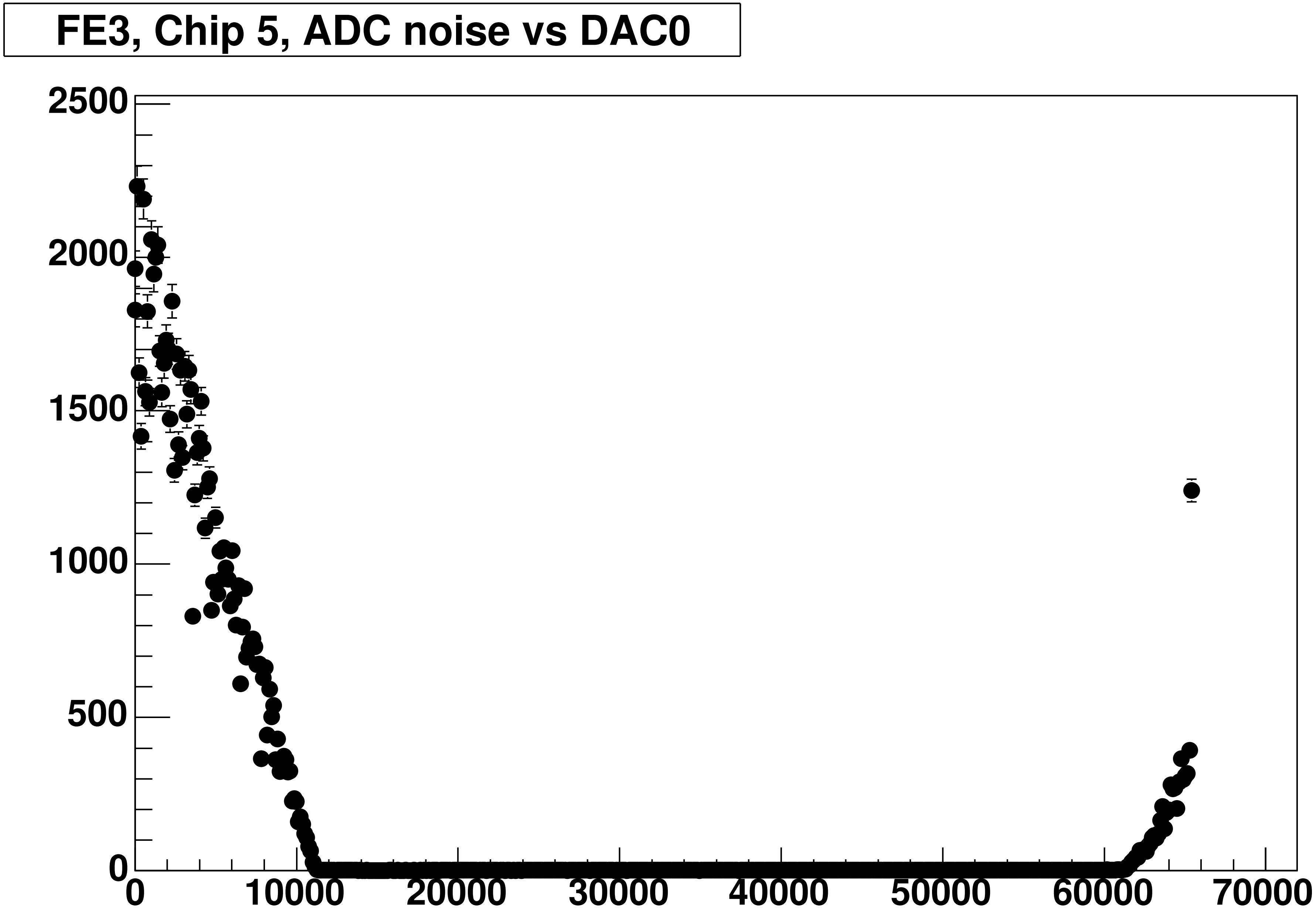
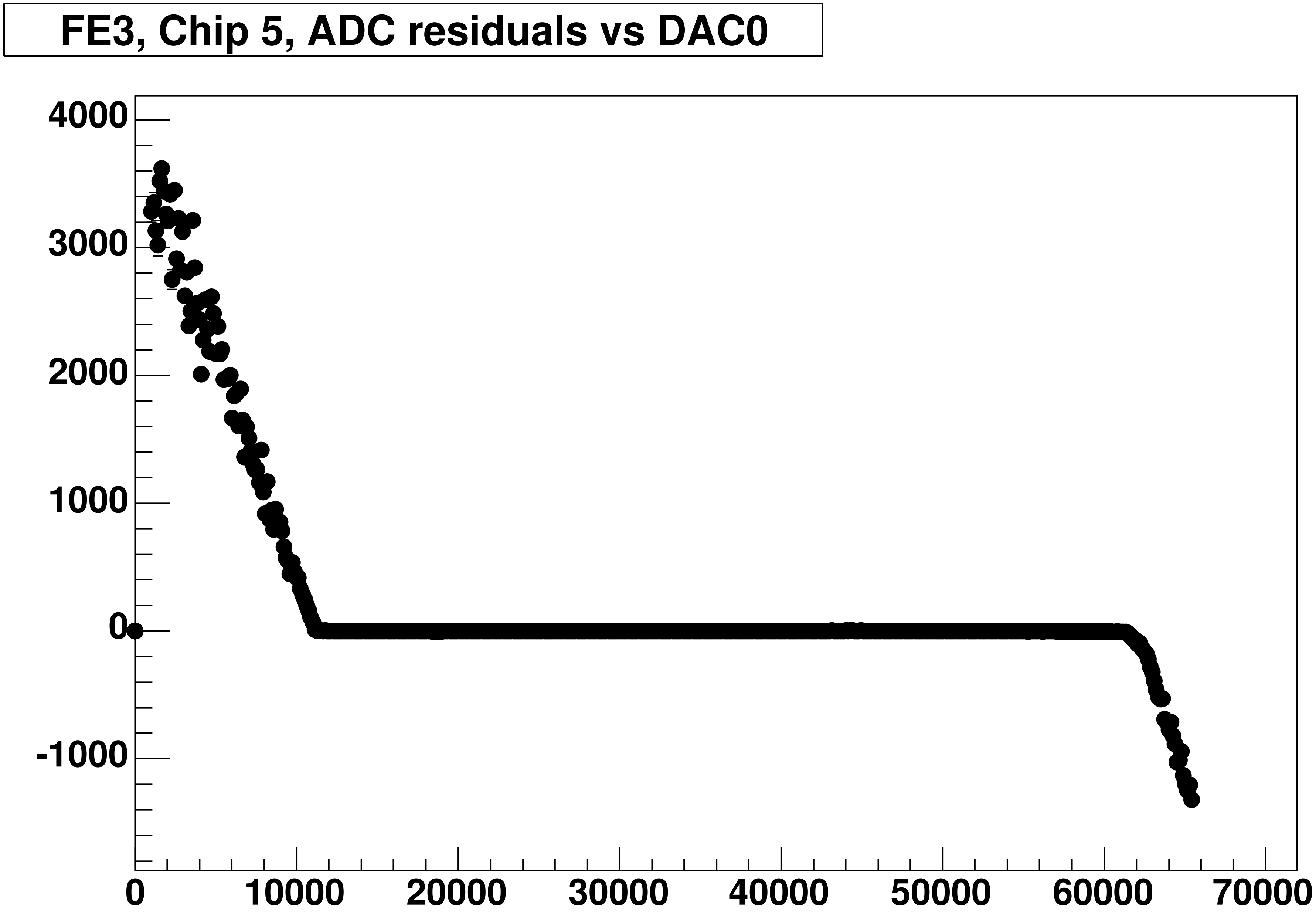
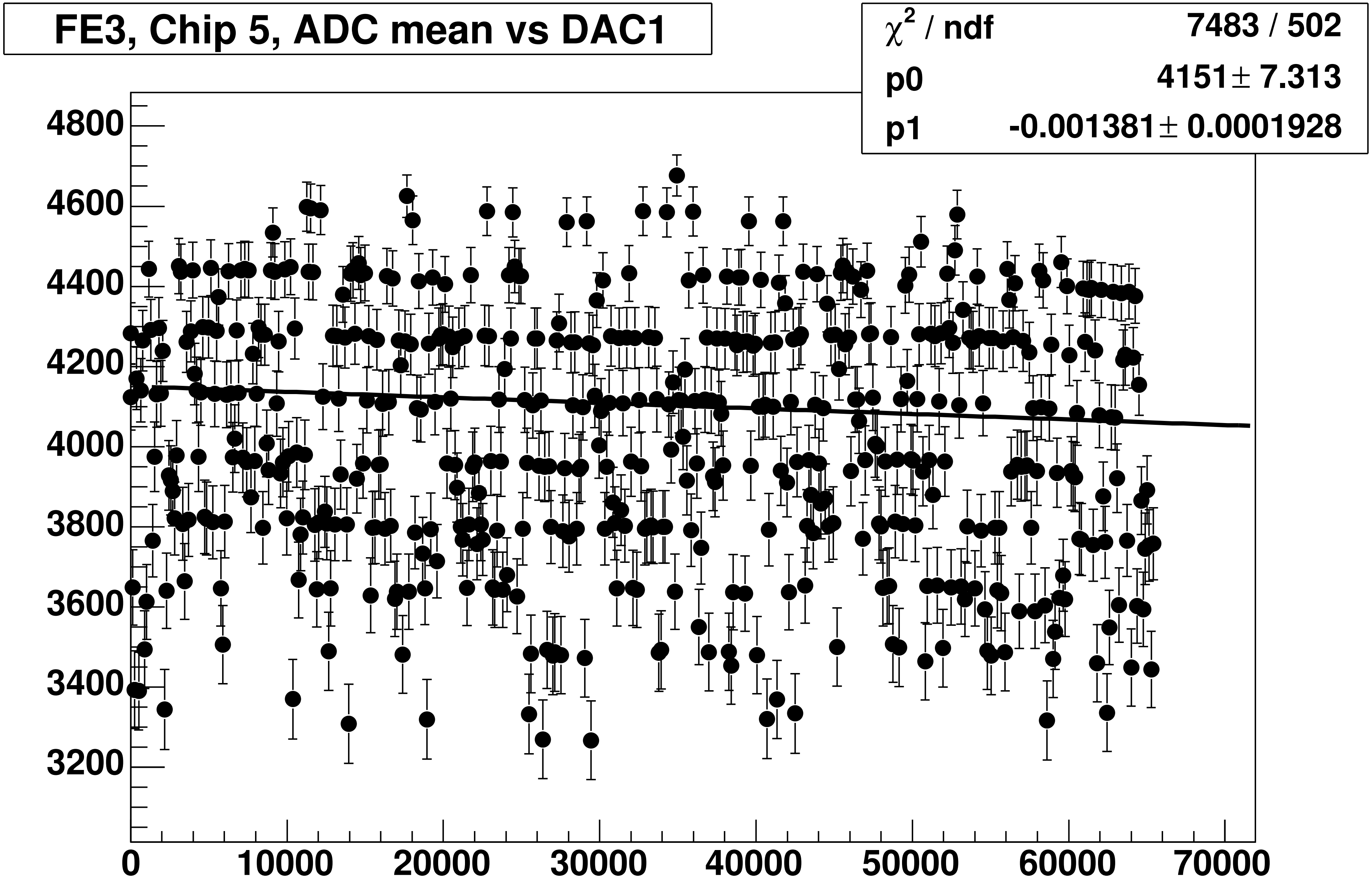
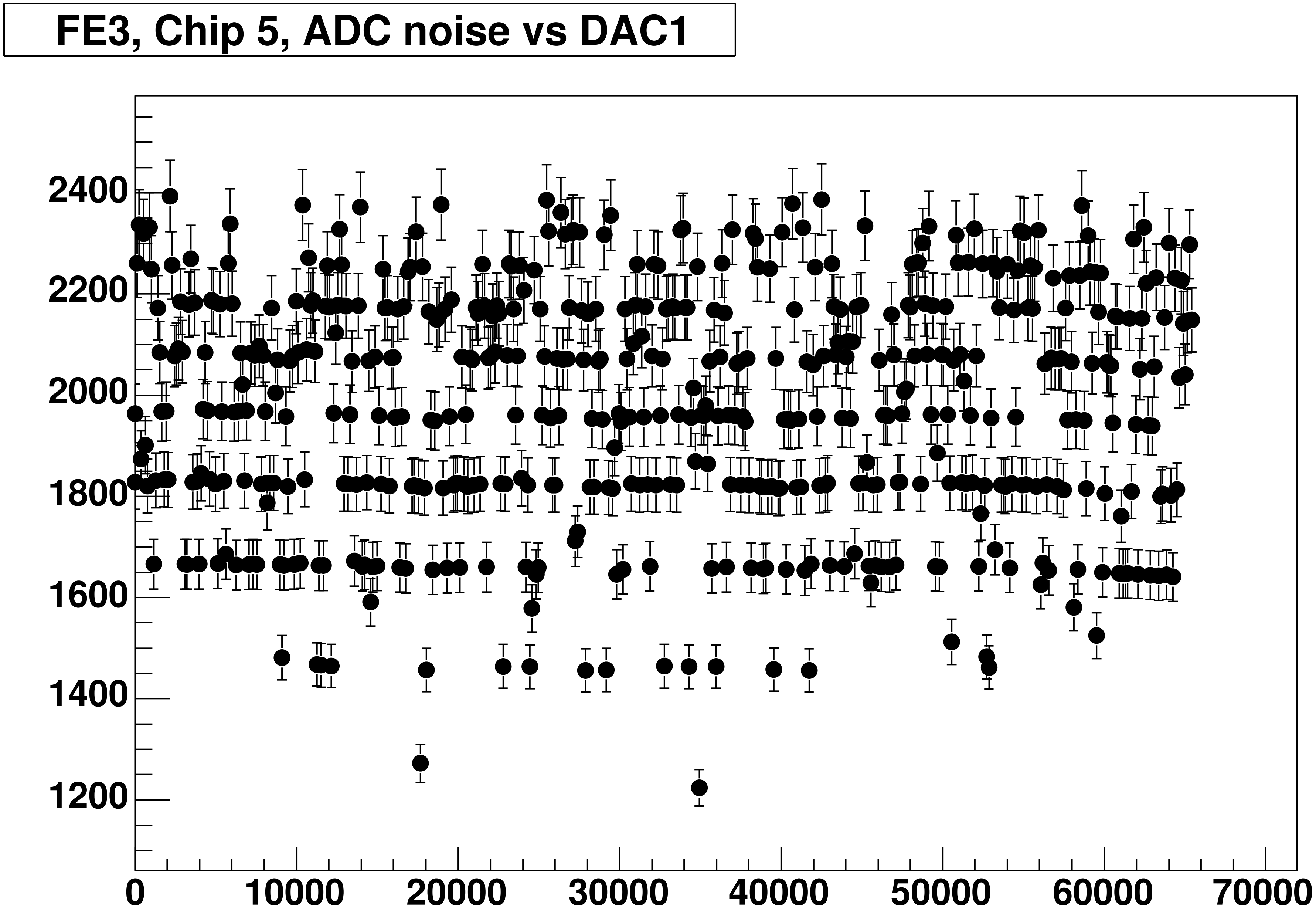
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

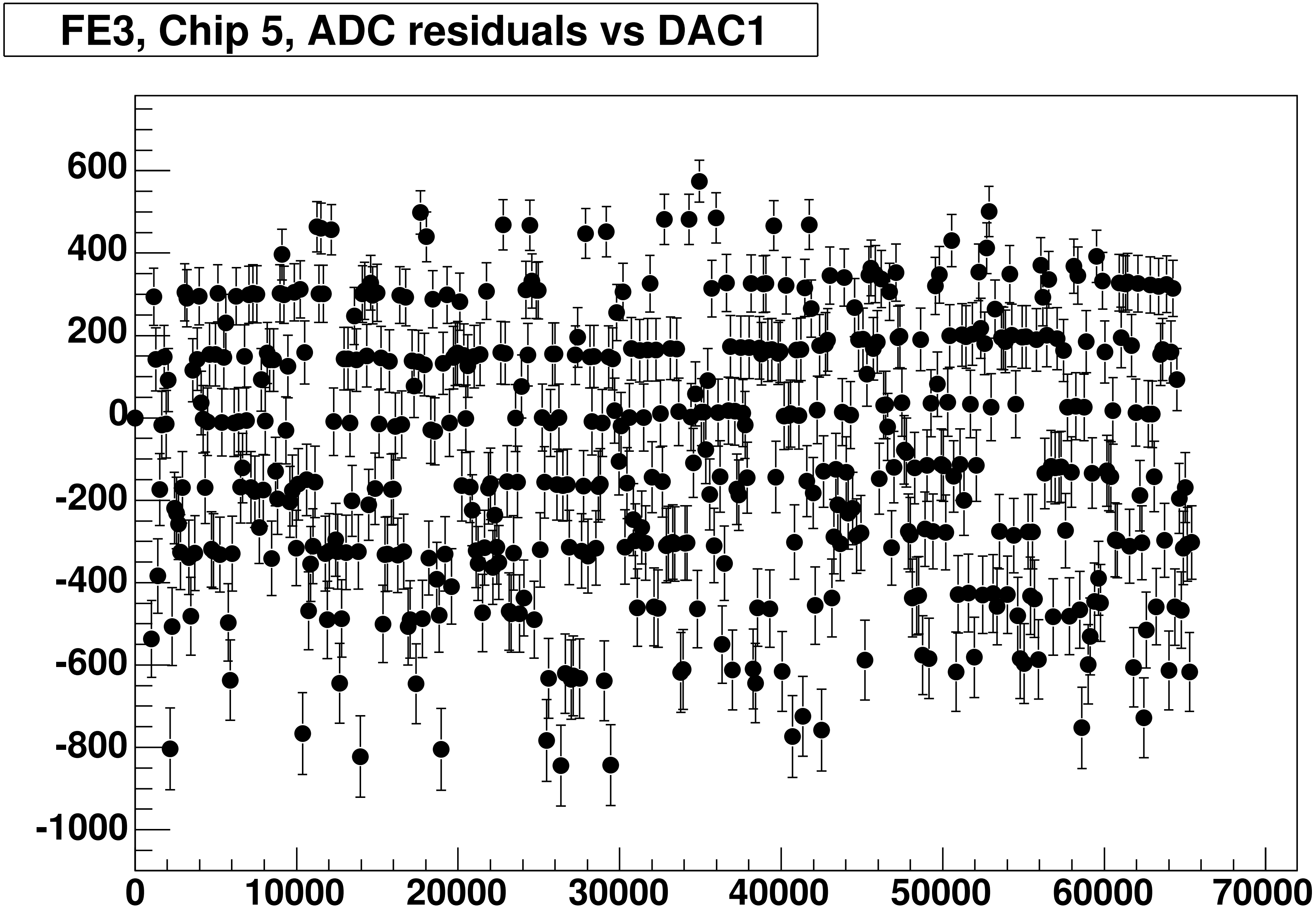

FE3, Chip 5, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

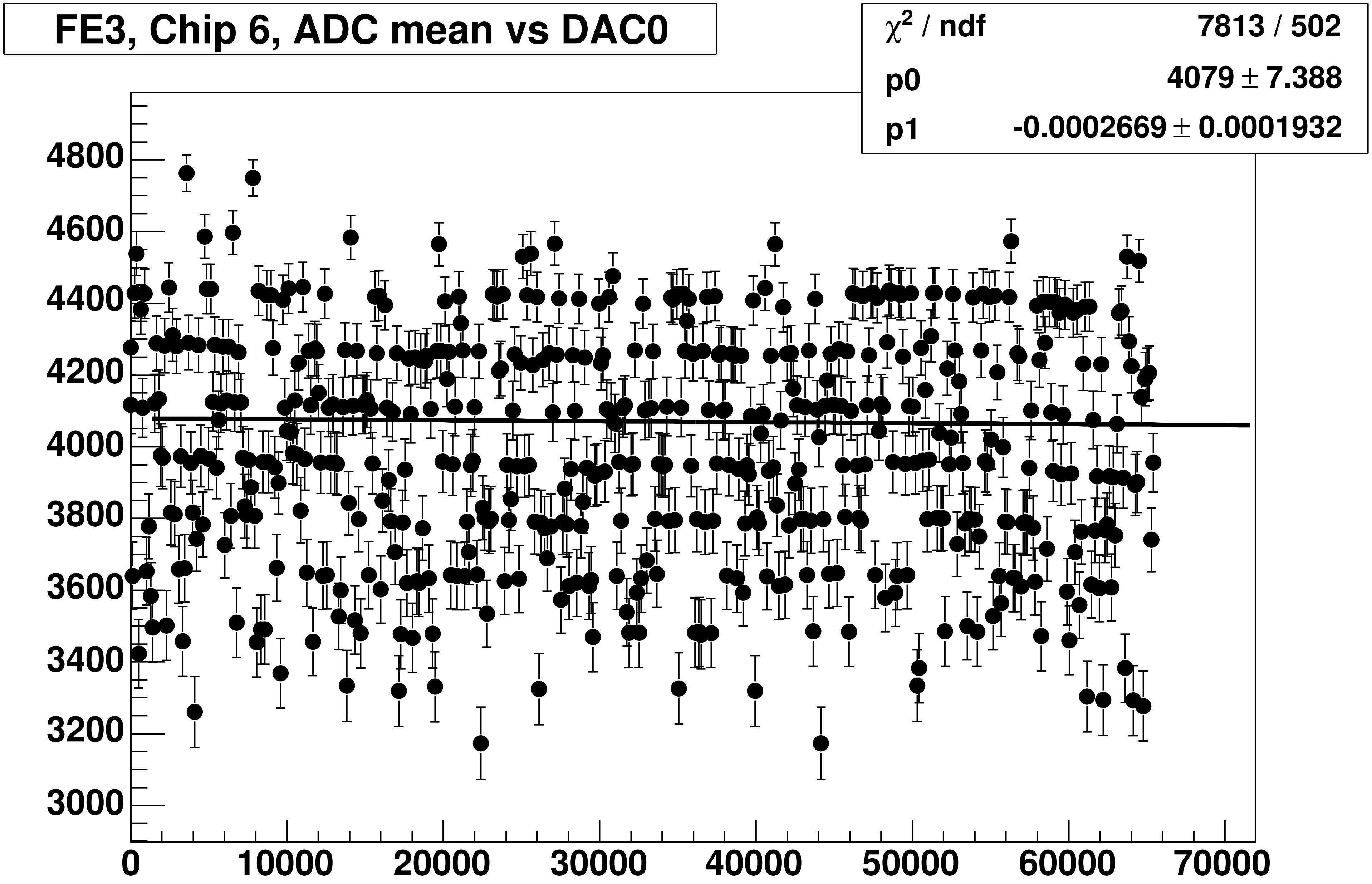

FE3, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

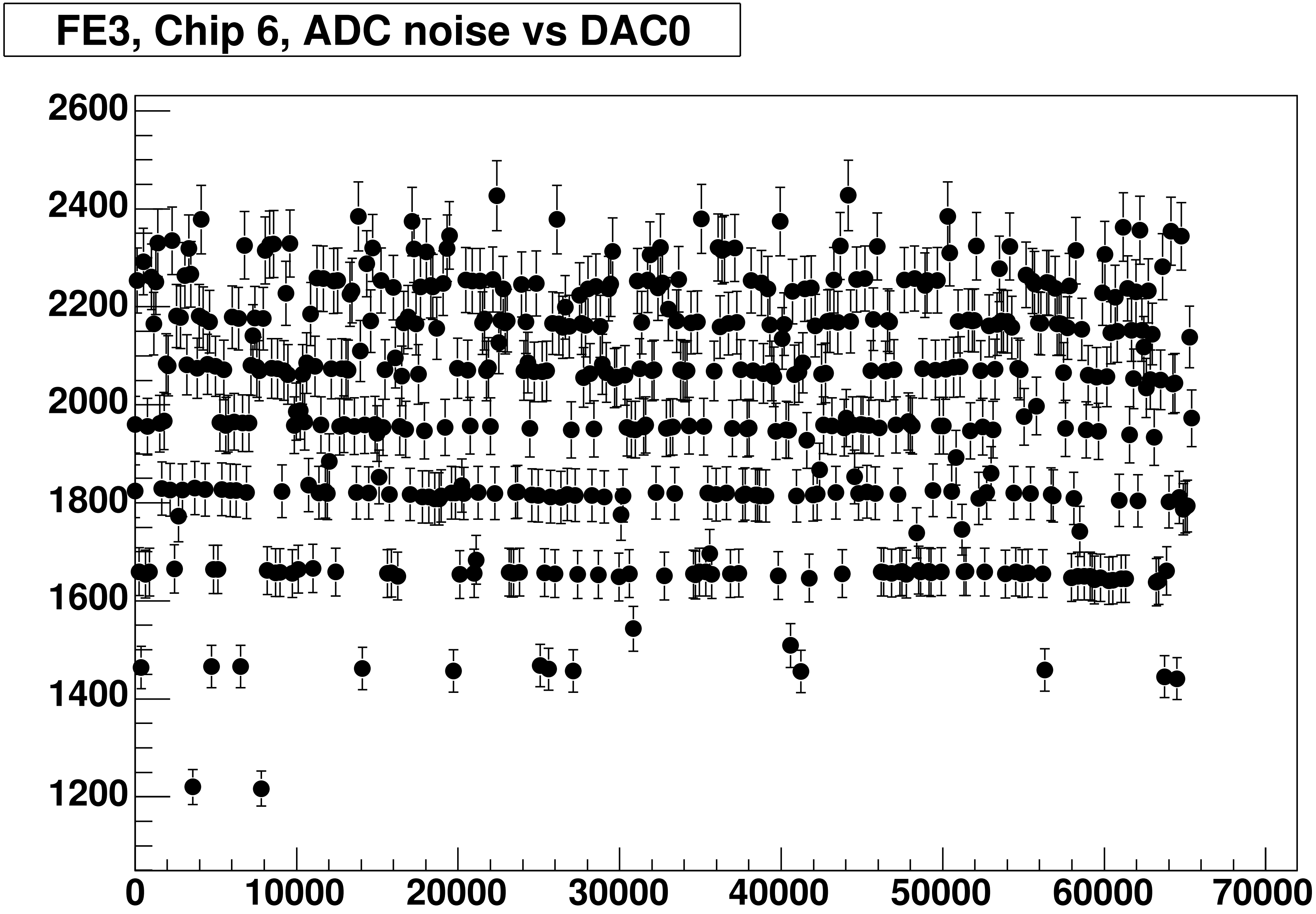


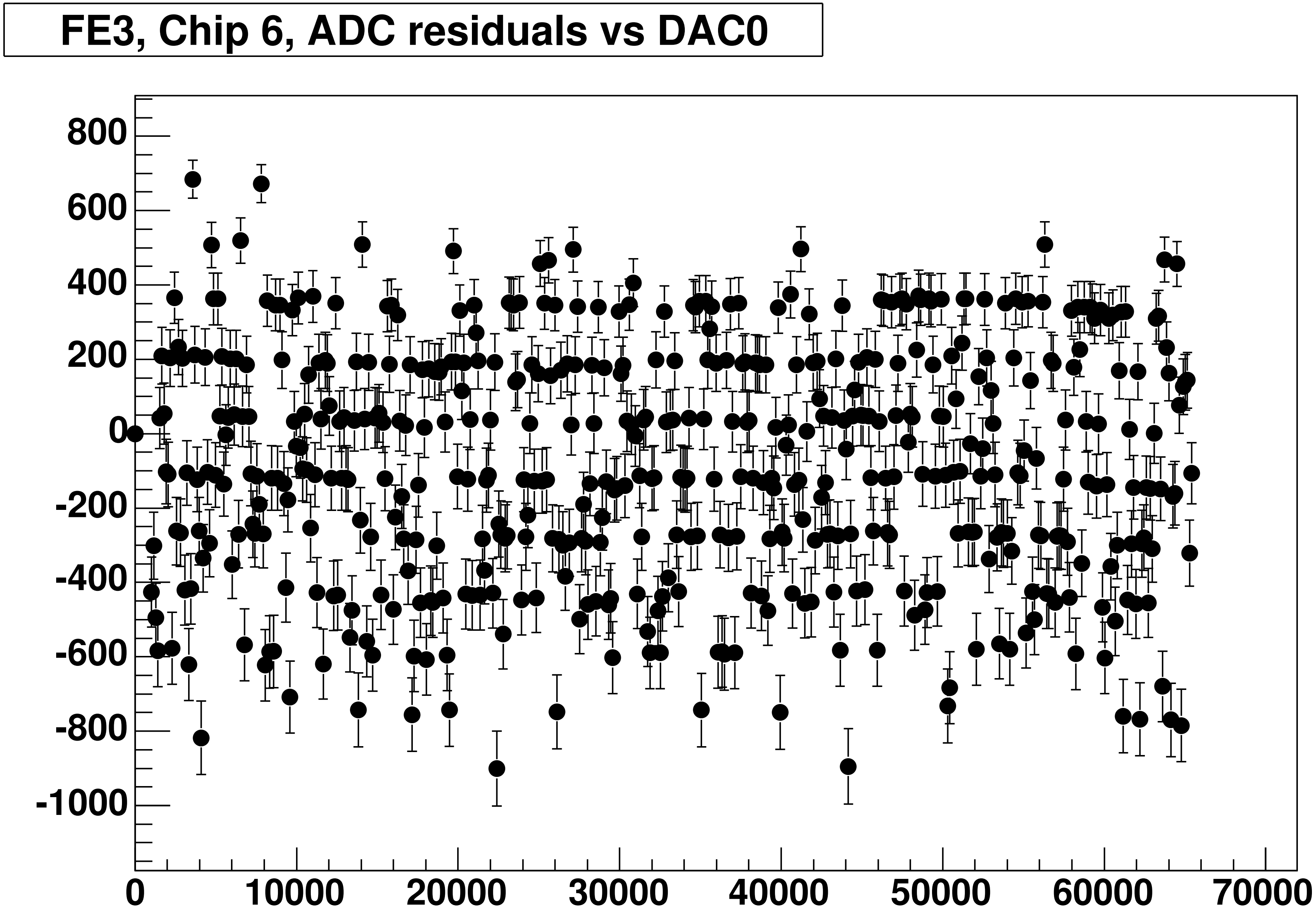
FE3, Chip 5, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4151 ± 7.313
p1 -0.001381 ± 0.0001928
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 5, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

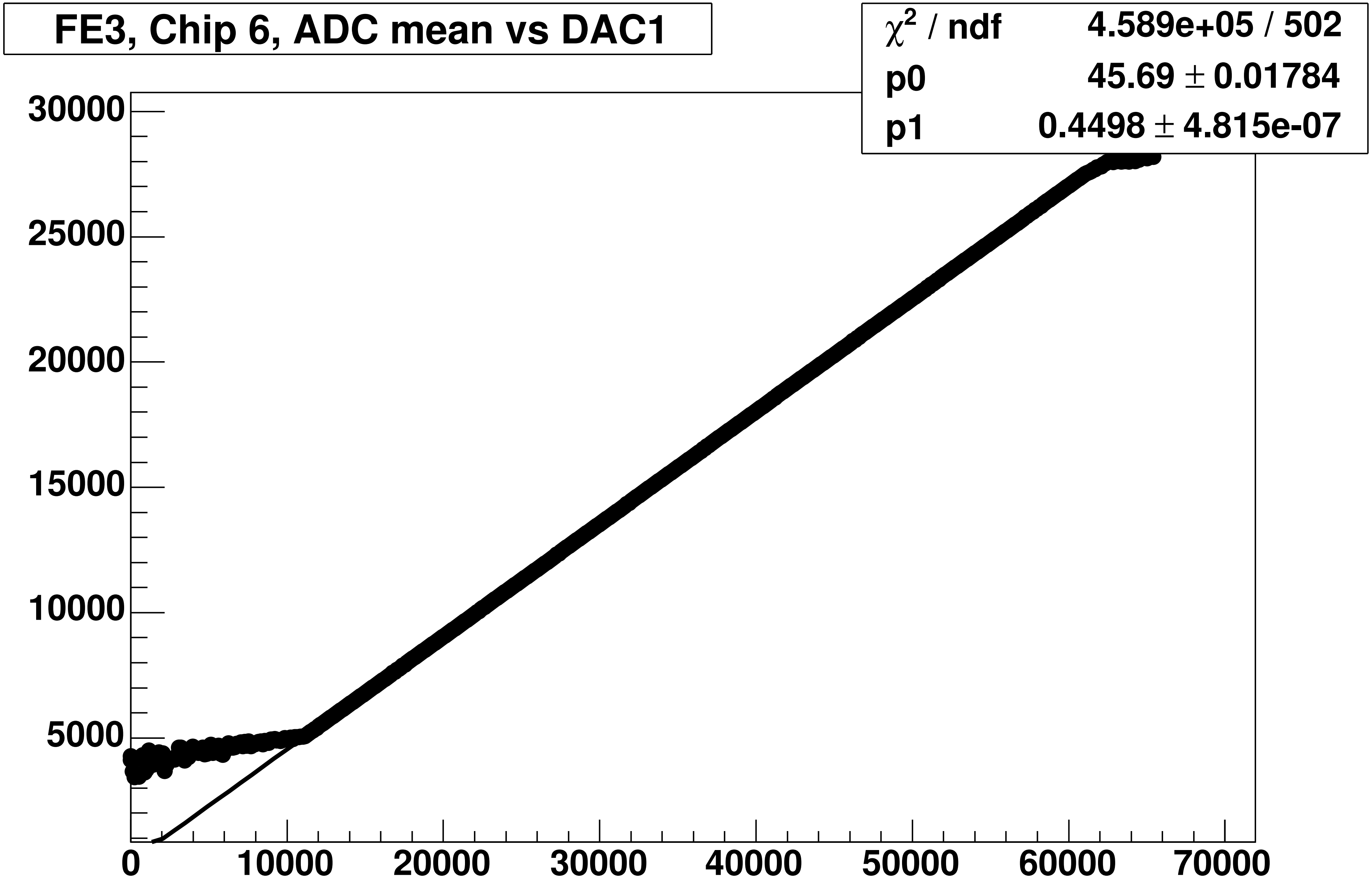

FE3, Chip 5, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

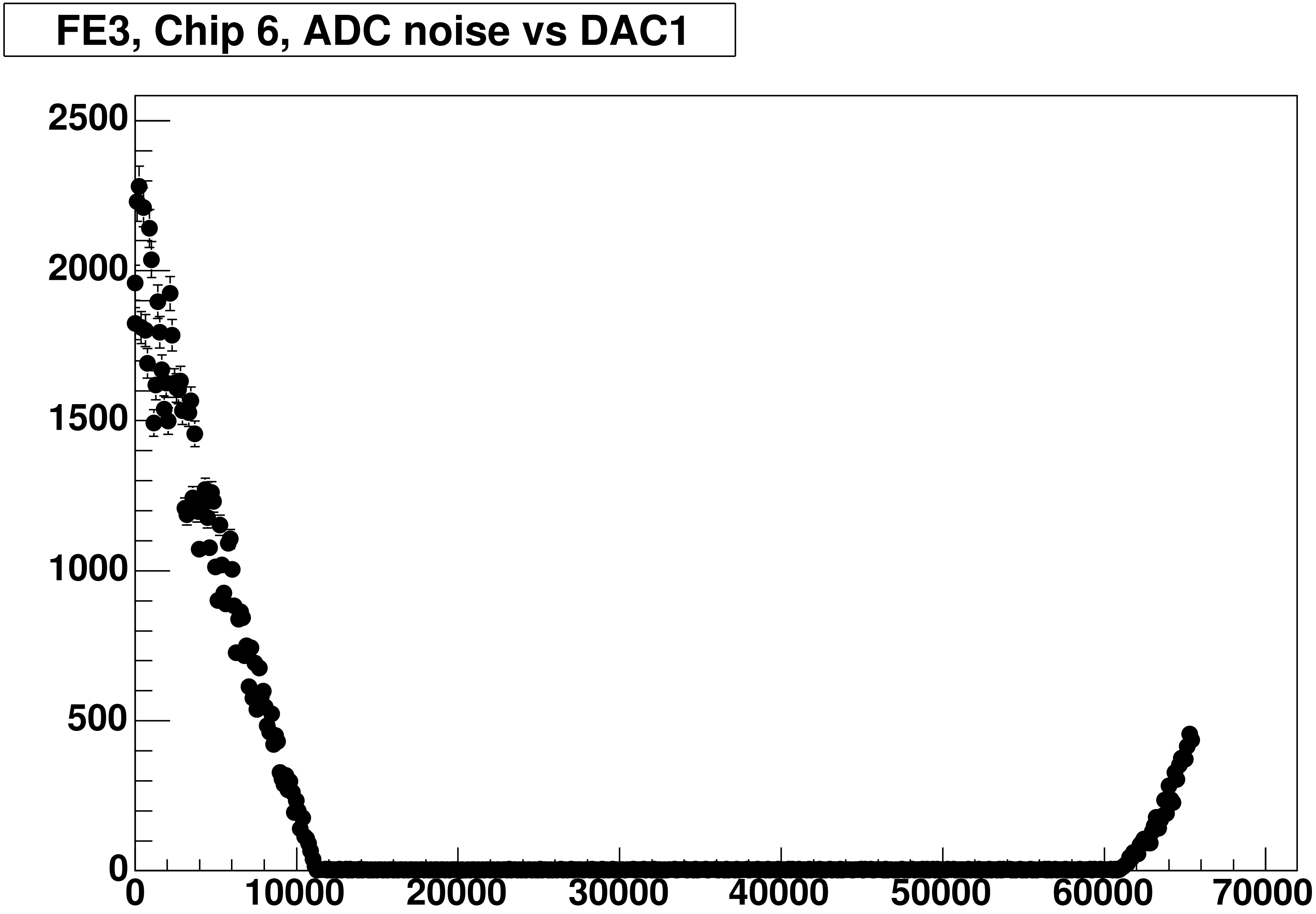

FE3, Chip 6, ADC mean vs DAC0
χ^2 / ndf 7813 / 502
p0 4079 ± 7.388
p1 -0.0002669 ± 0.0001932
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 6, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

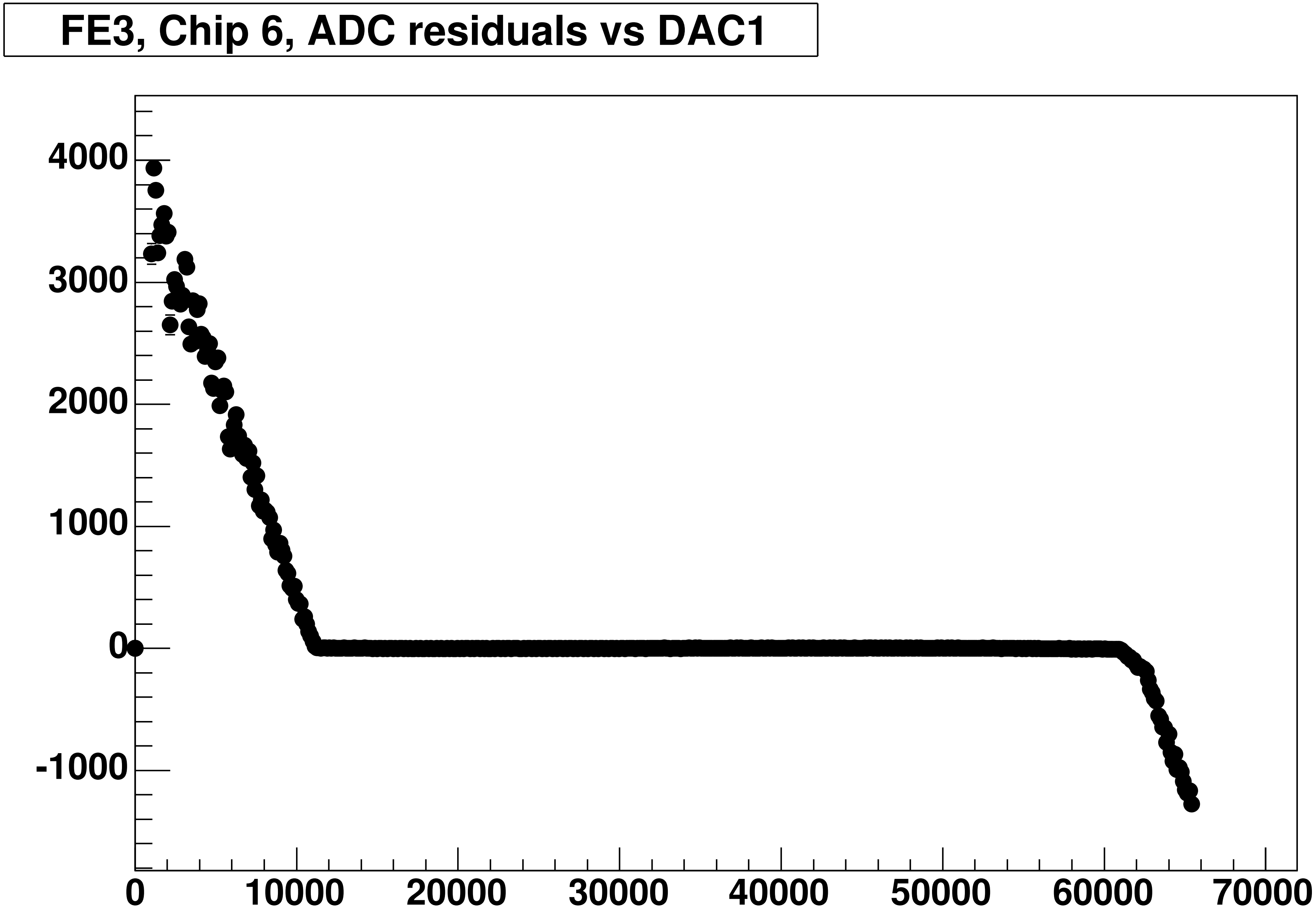


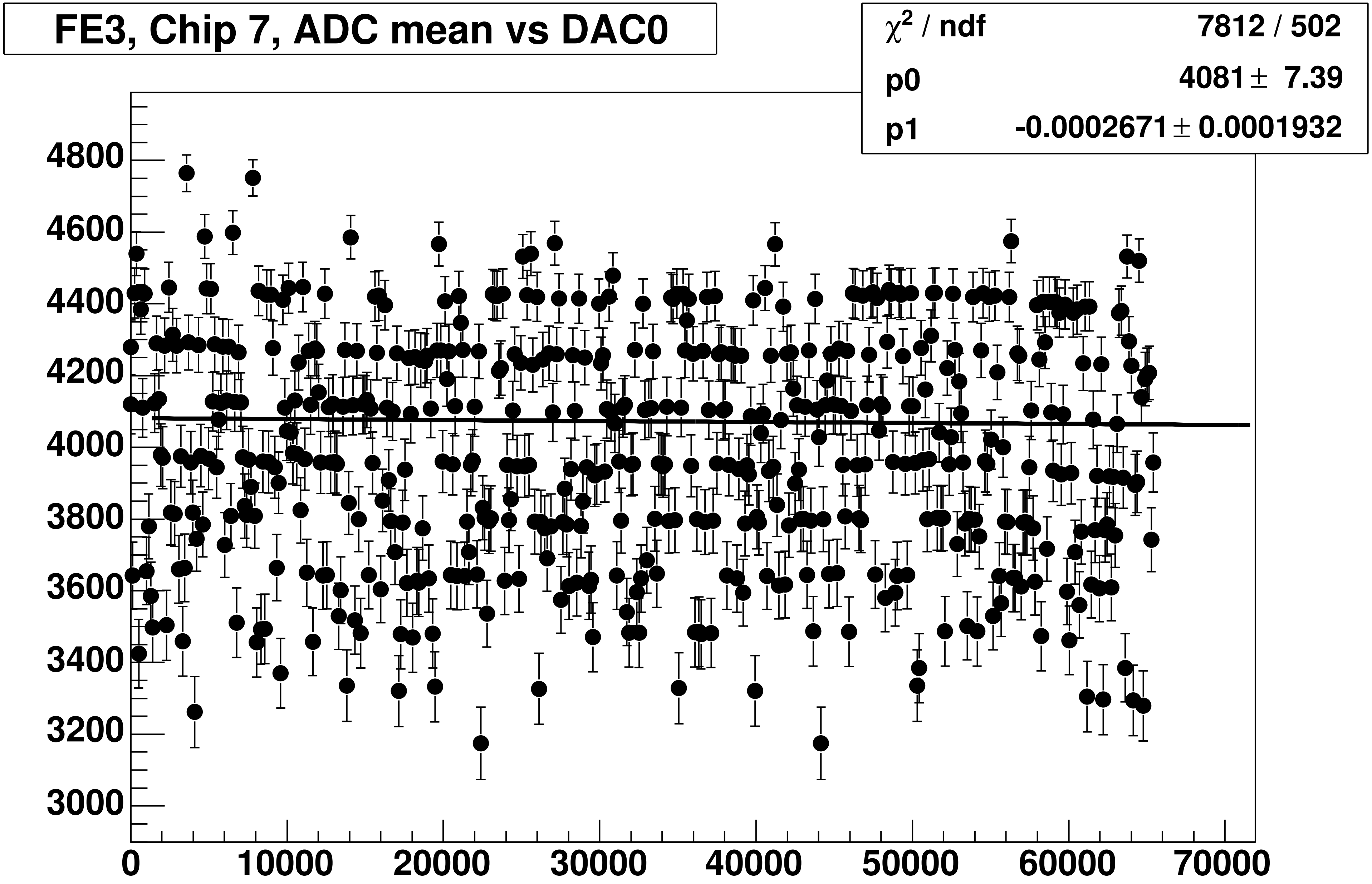
FE3, Chip 6, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 6, ADC mean vs DAC1
χ2 / ndf 4.589e+05 / 502
p0 45.69 ± 0.01784
p1 0.4498 ± 4.815e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

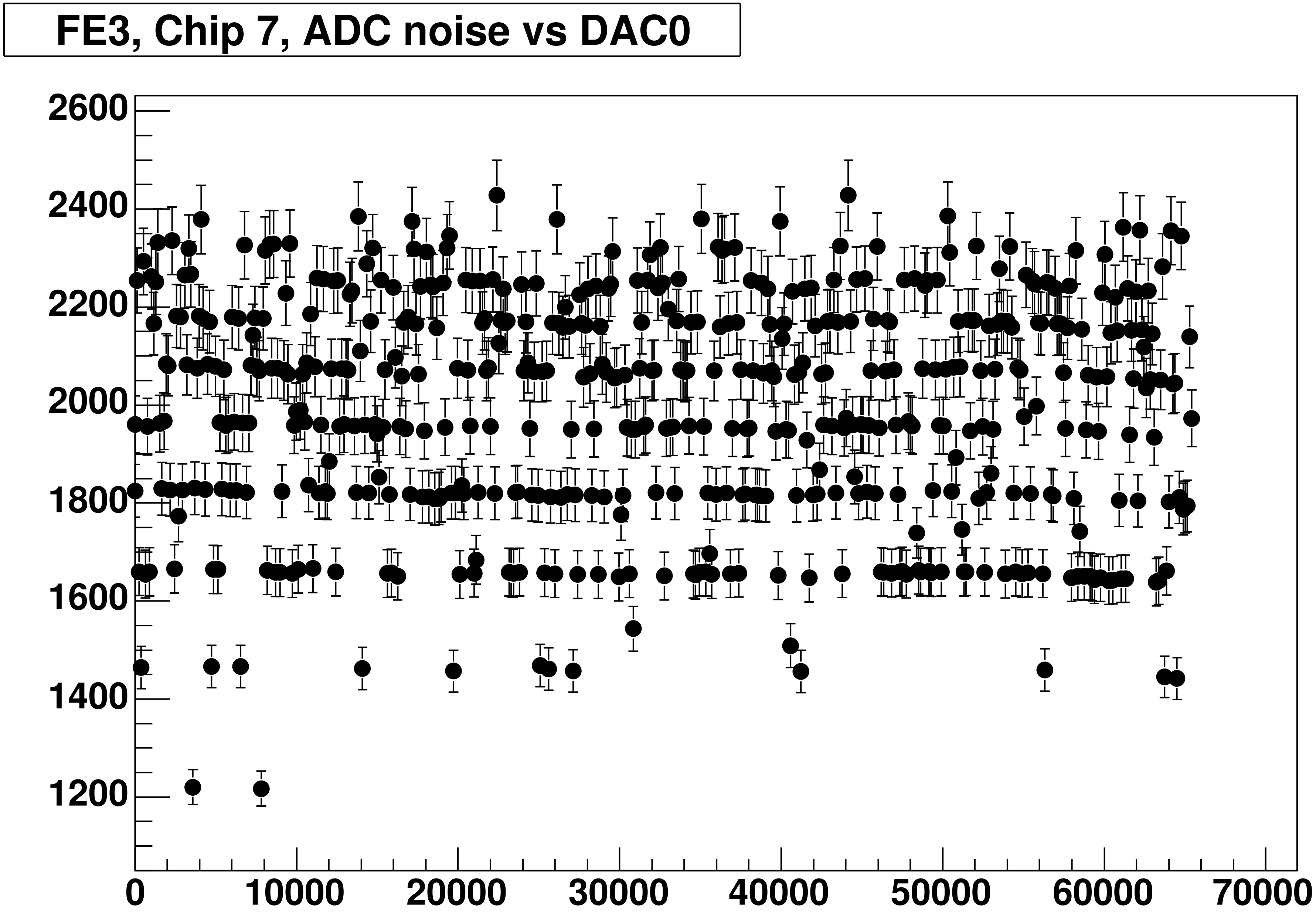


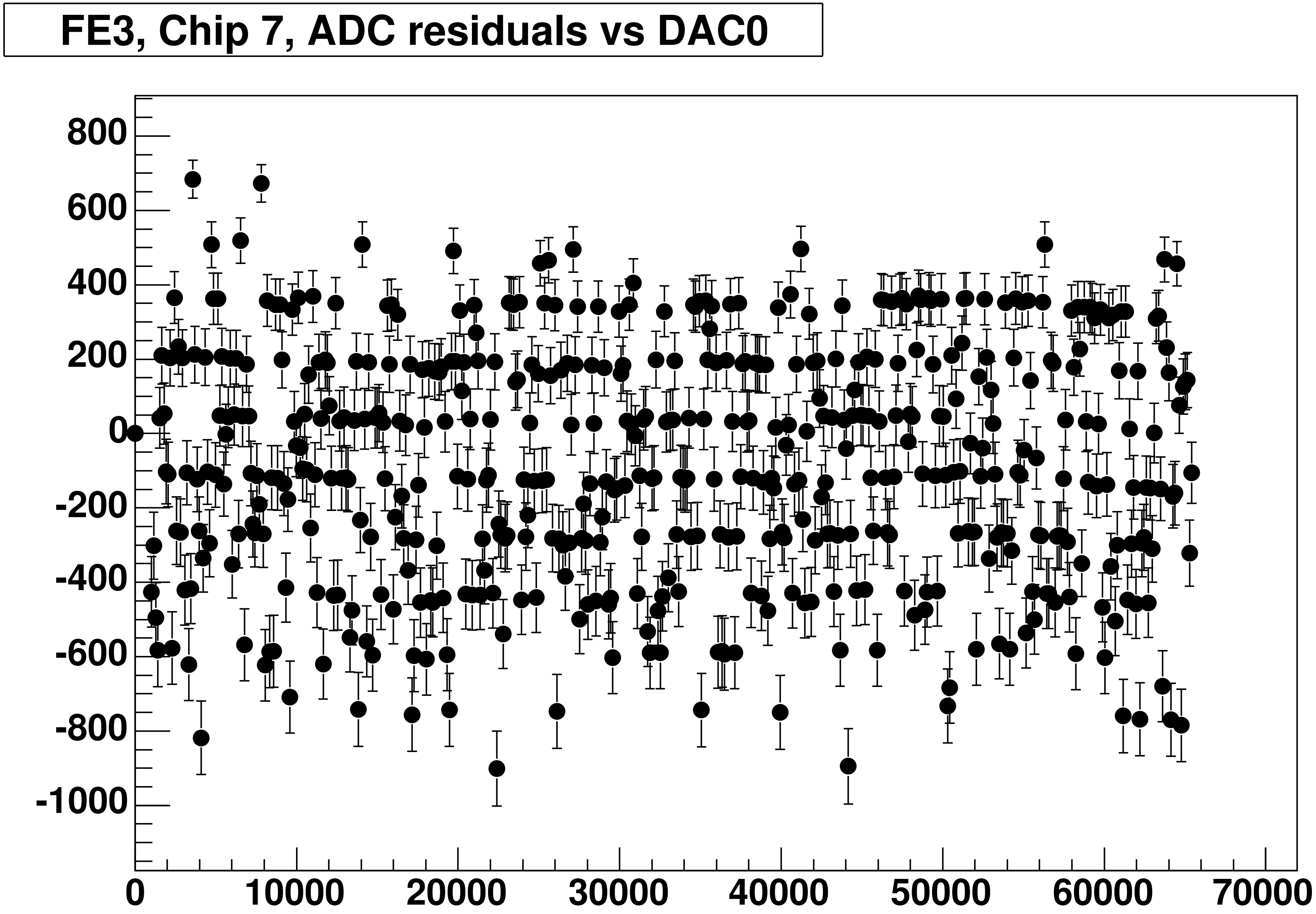
FE3, Chip 6, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

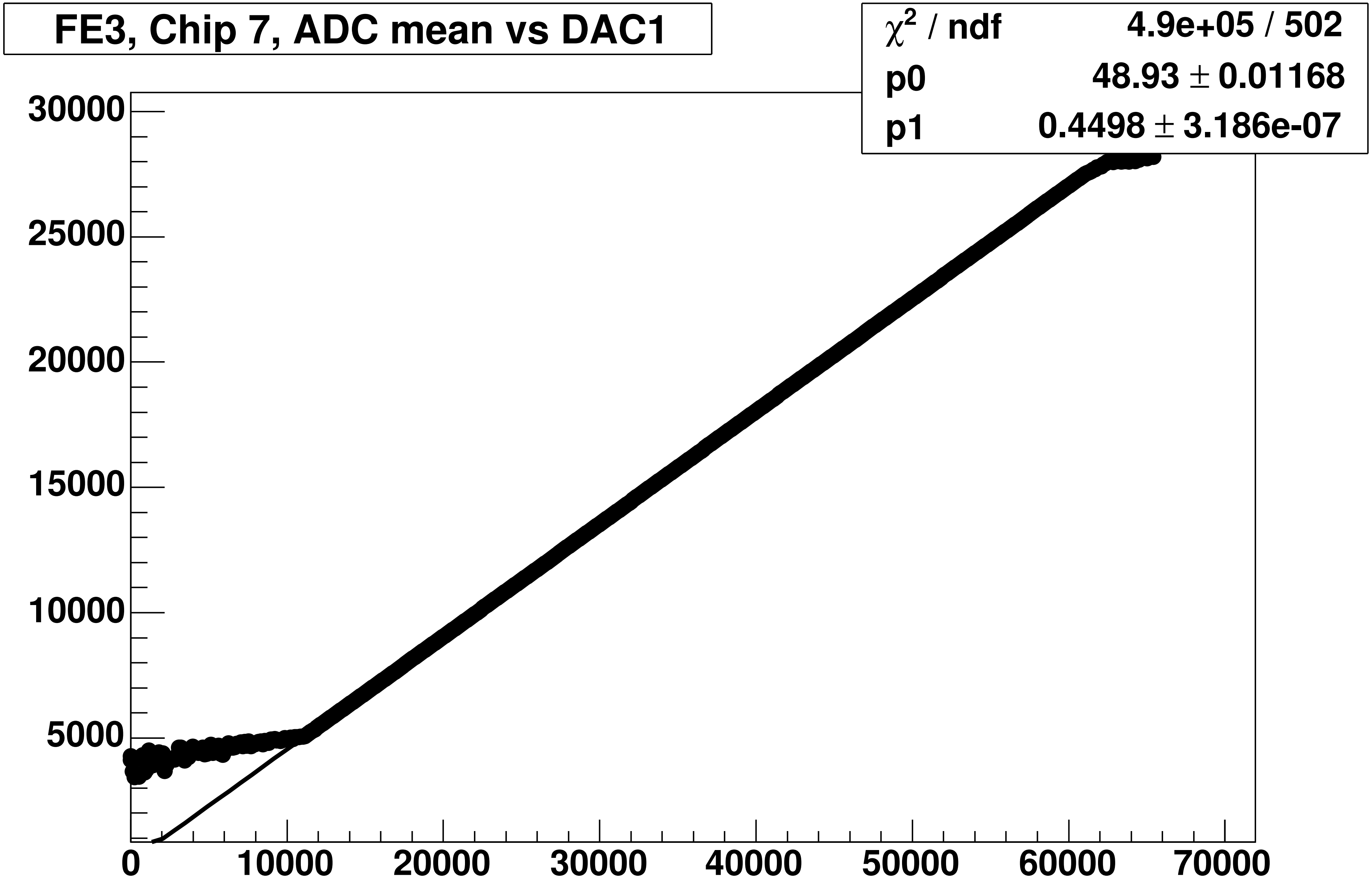

FE3, Chip 6, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



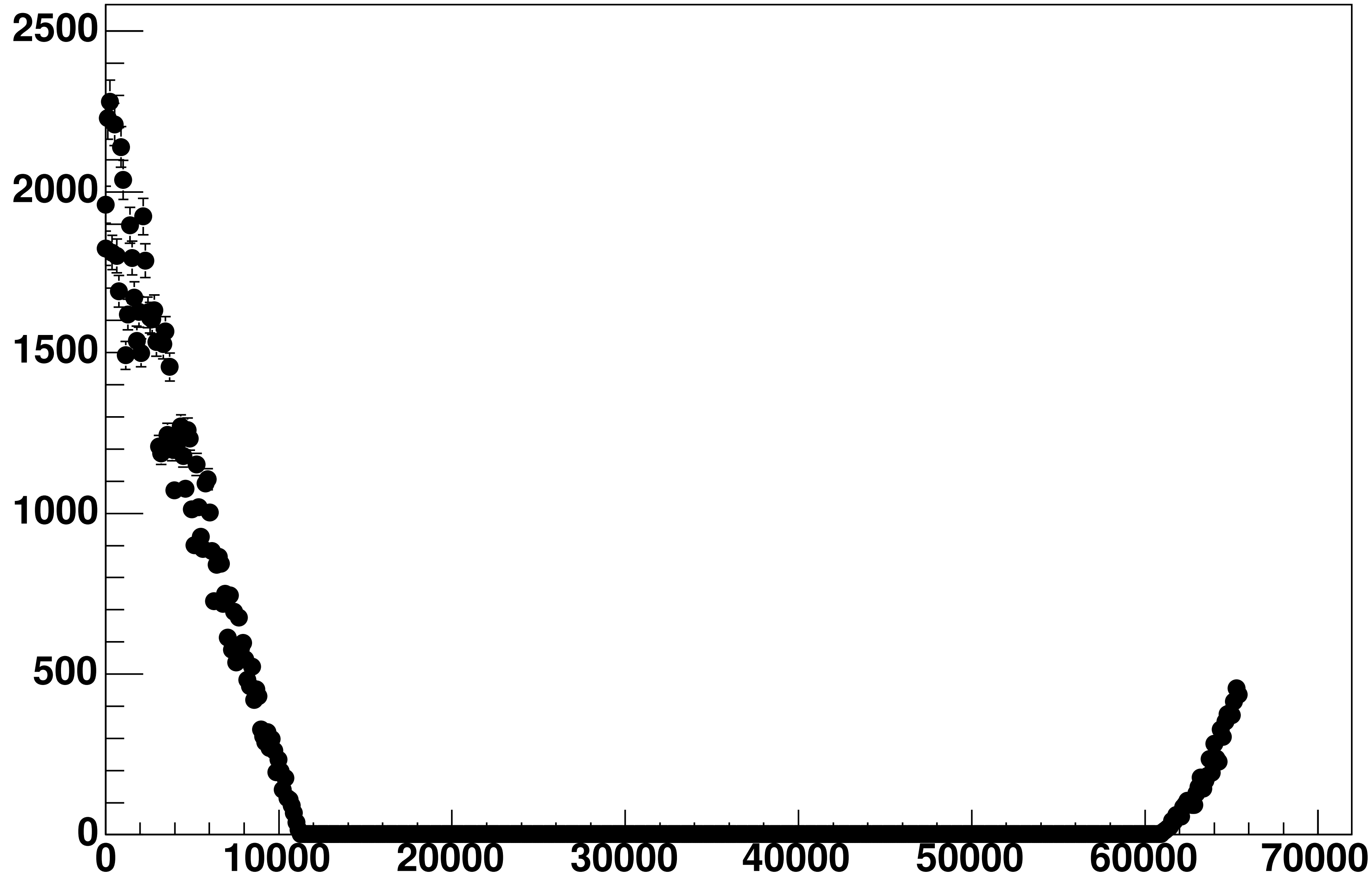
FE3, Chip 7, ADC mean vs DAC0
χ² / ndf 7812 / 502
p0 4081 ± 7.39
p1 -0.0002671 ± 0.0001932
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 7, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

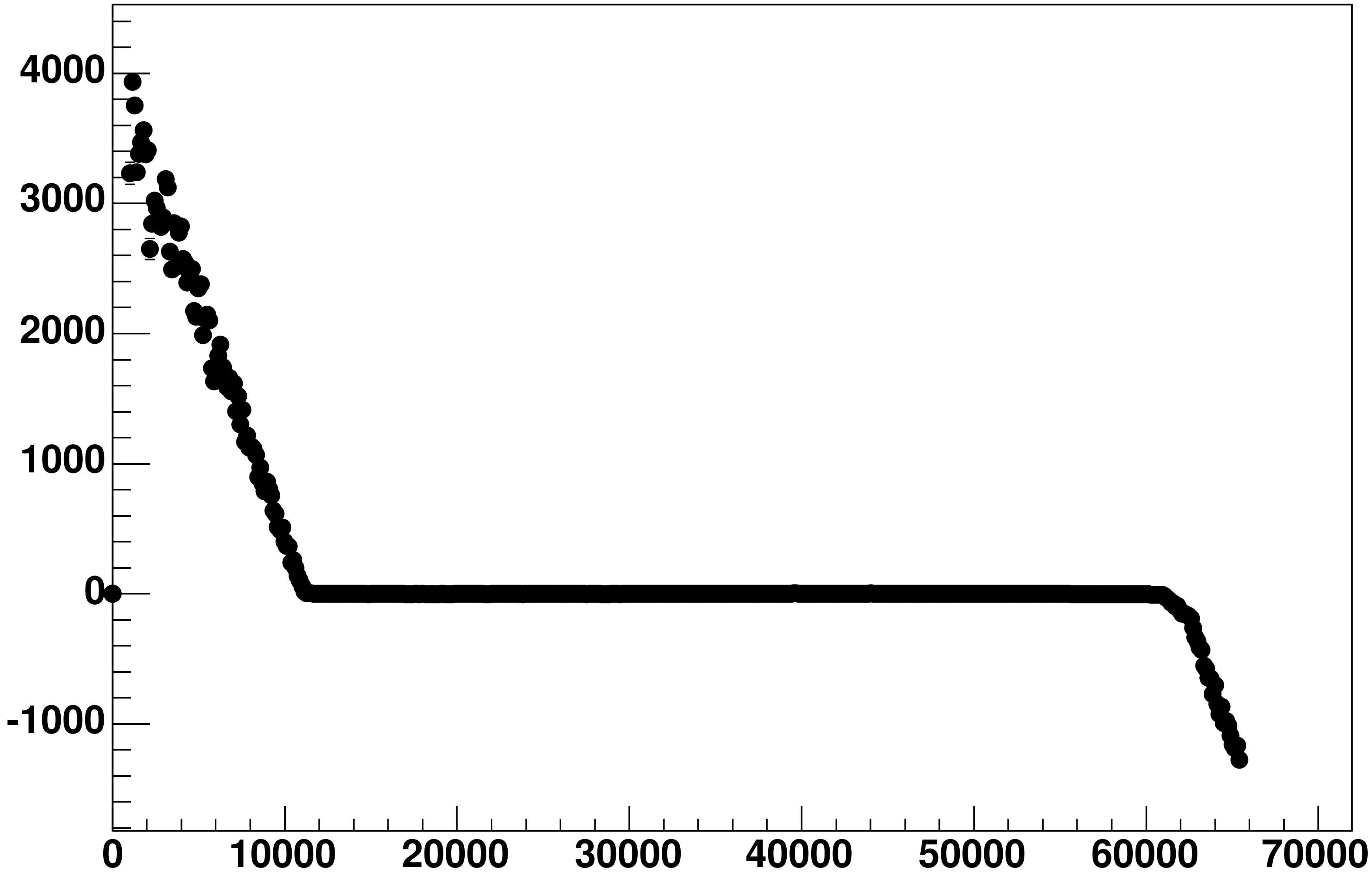

FE3, Chip 7, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

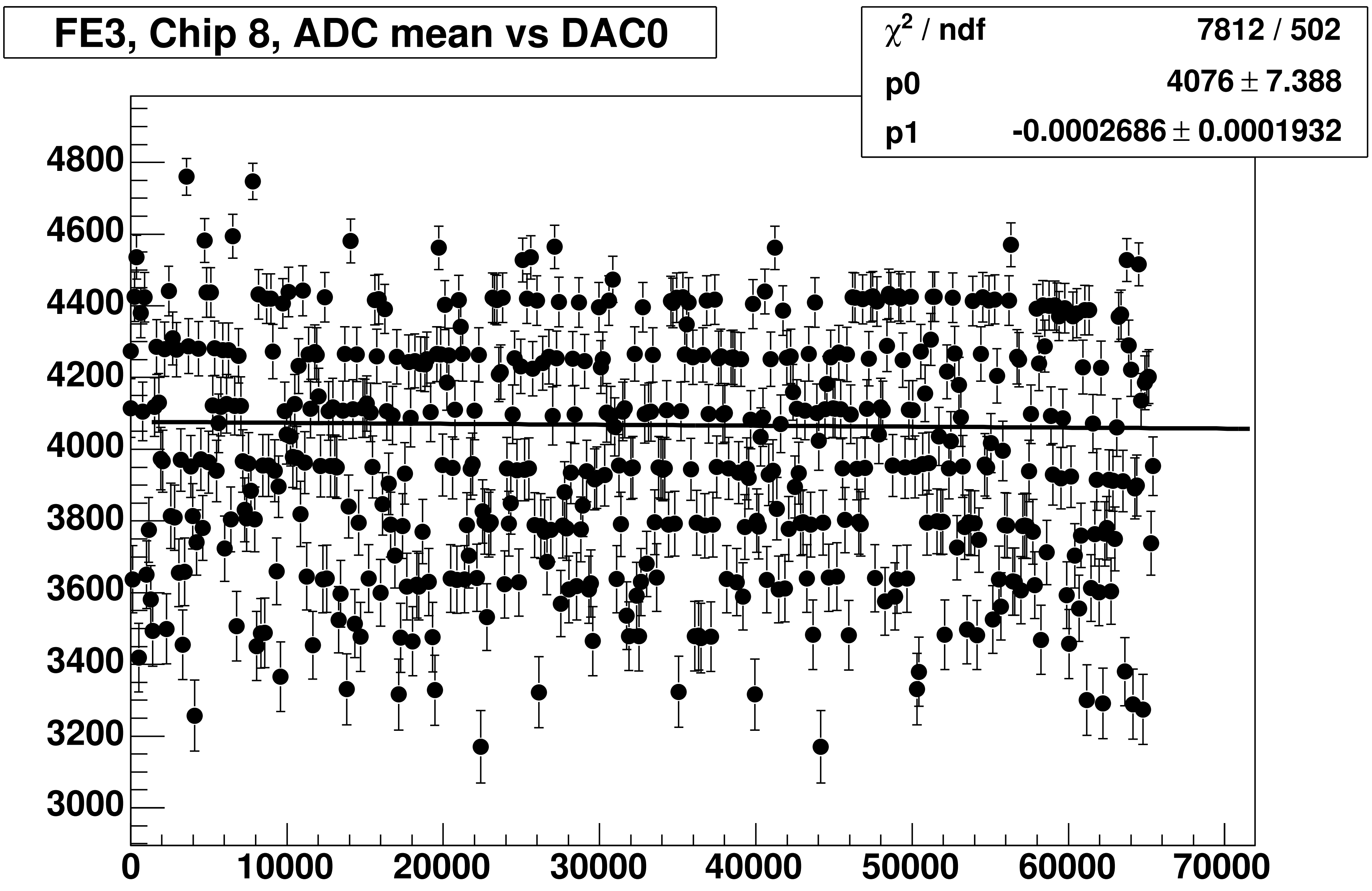

FE3, Chip 7, ADC mean vs DAC1
χ^2 / ndf 4.9e+05 / 502
p0 48.93 ± 0.01168
p1 0.4498 ± 3.186e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

FE3, Chip 7, ADC noise vs DAC1

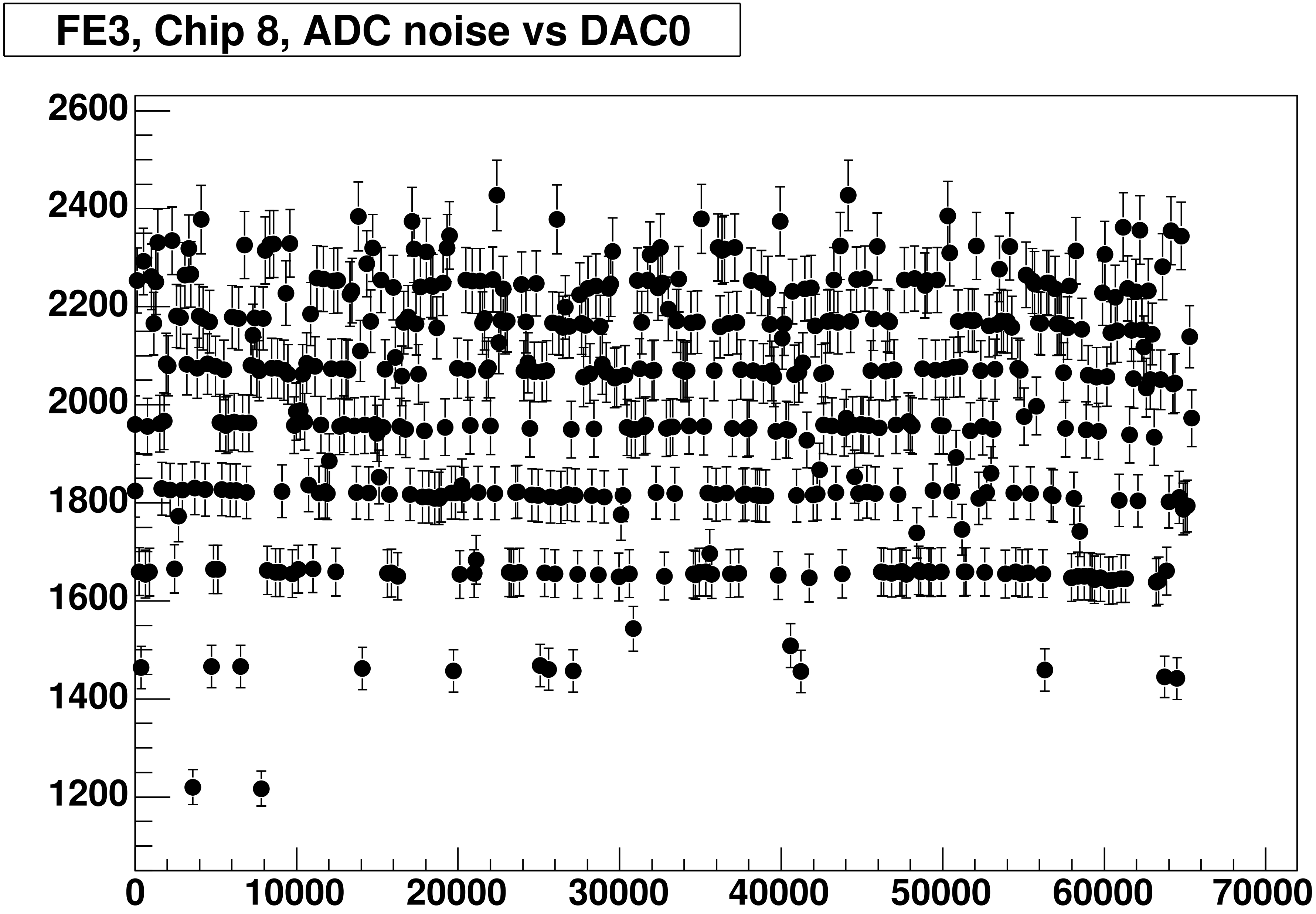


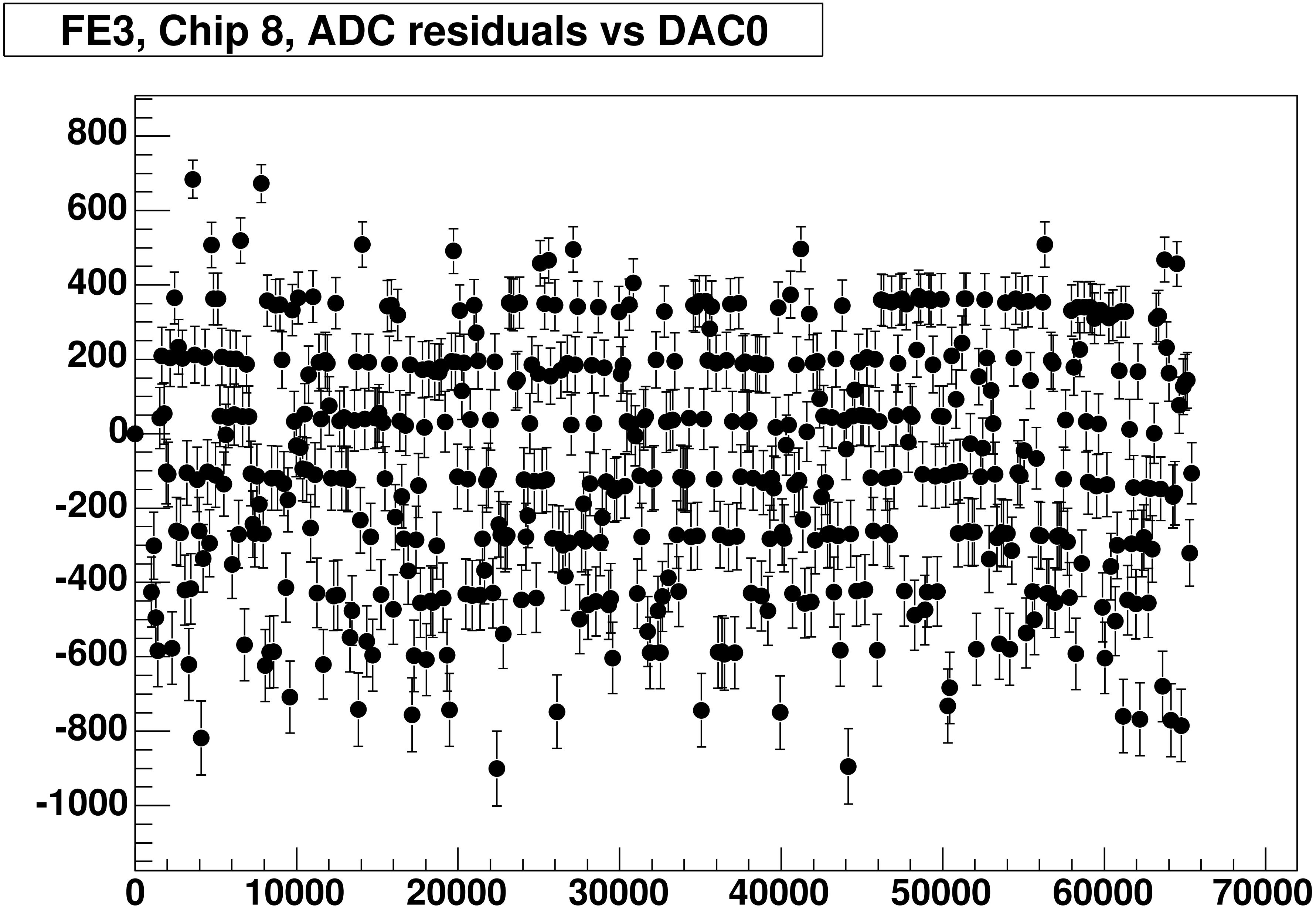
FE3, Chip 7, ADC residuals vs DAC1

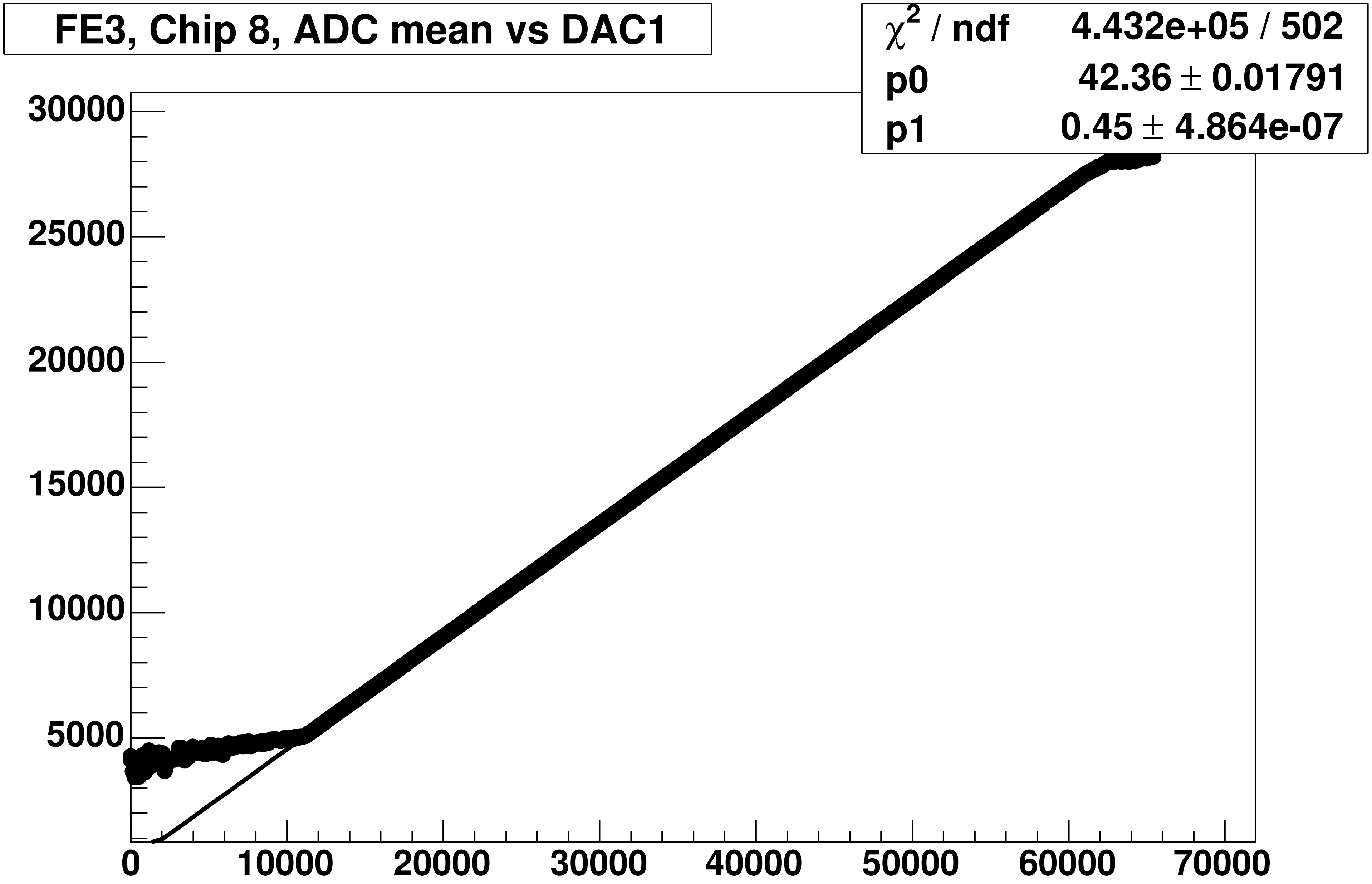




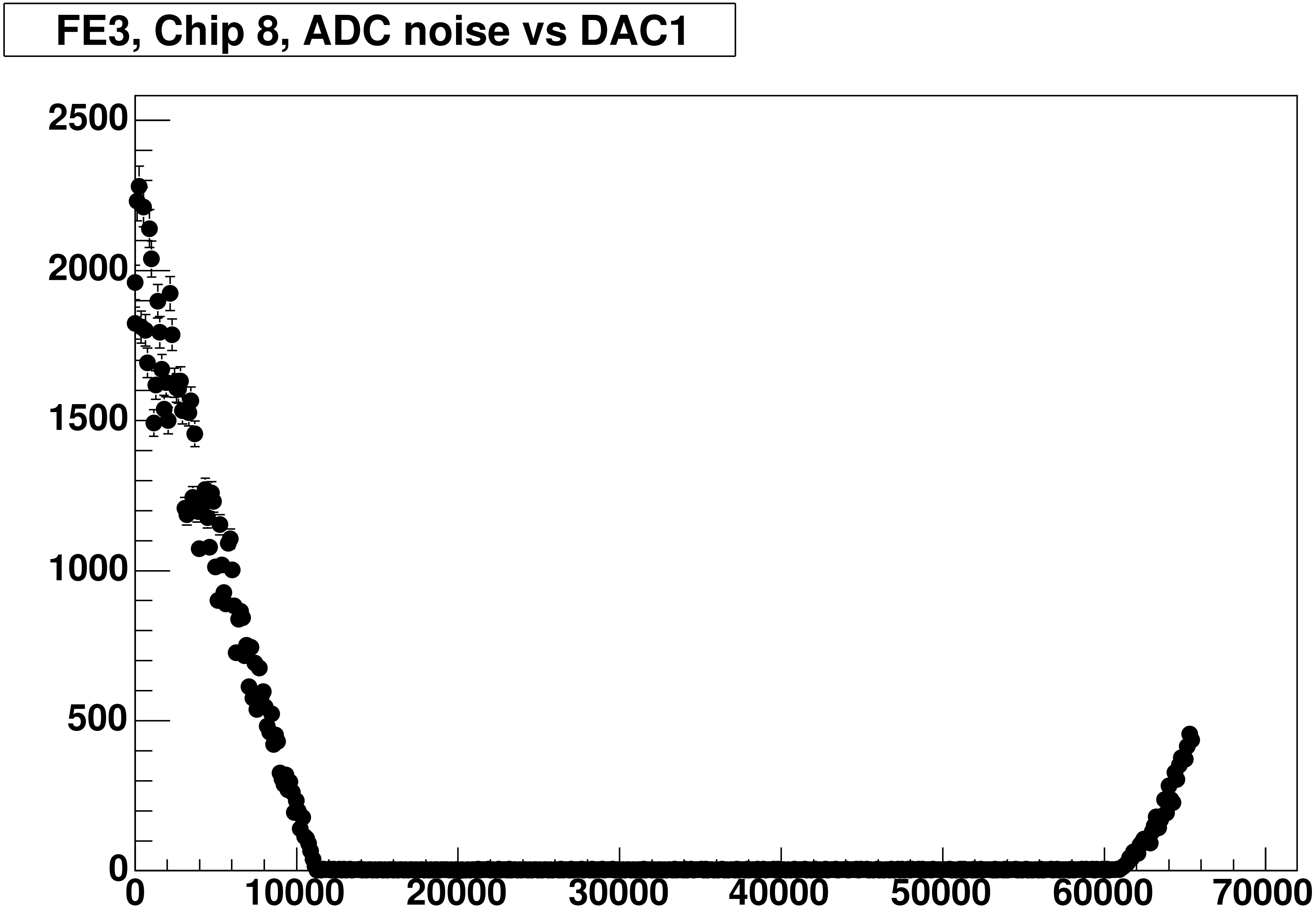
FE3, Chip 8, ADC mean vs DAC0
χ^2 / ndf 7812 / 502
p0 4076 ± 7.388
p1 -0.0002686 ± 0.0001932
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

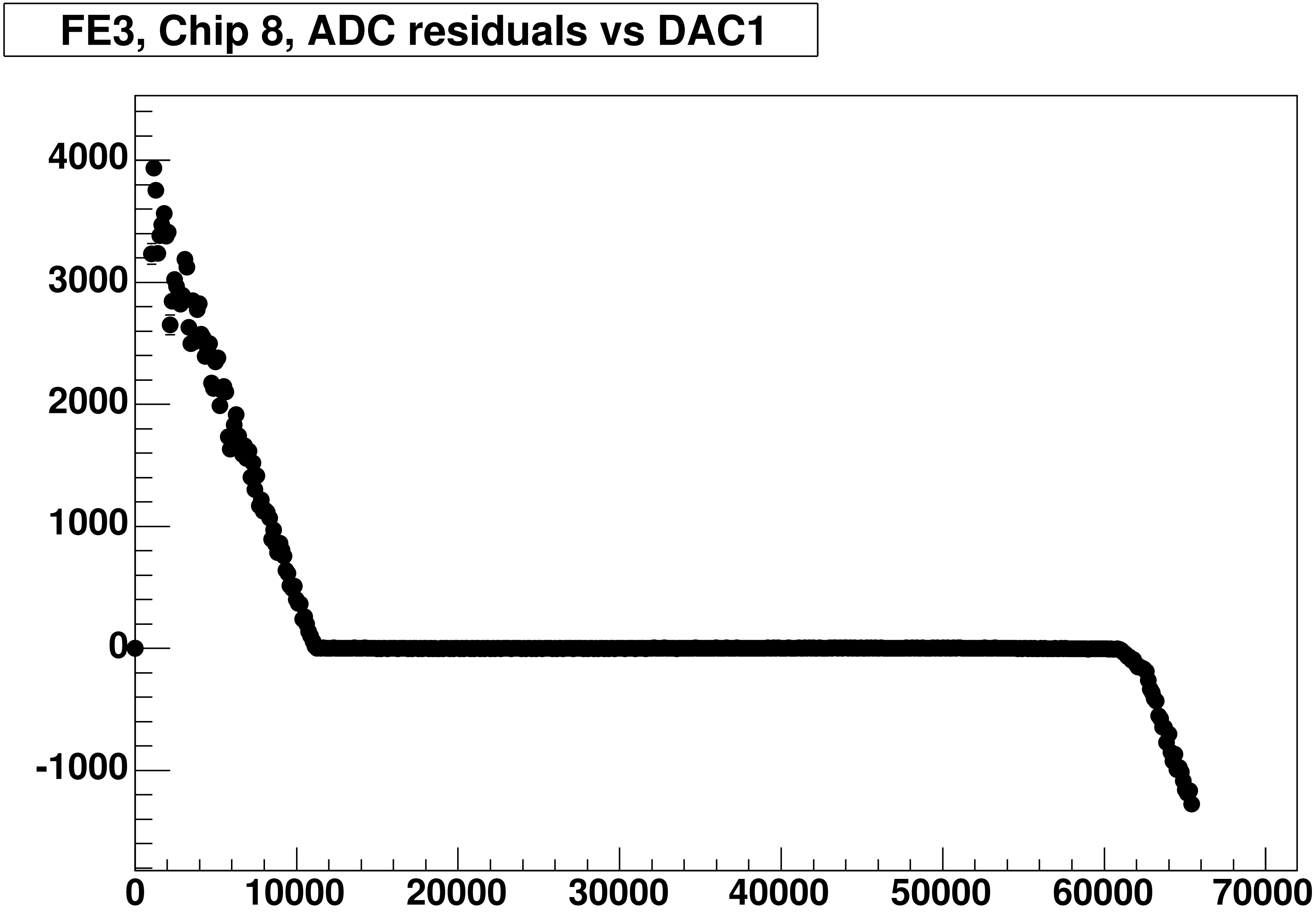

FE3, Chip 8, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

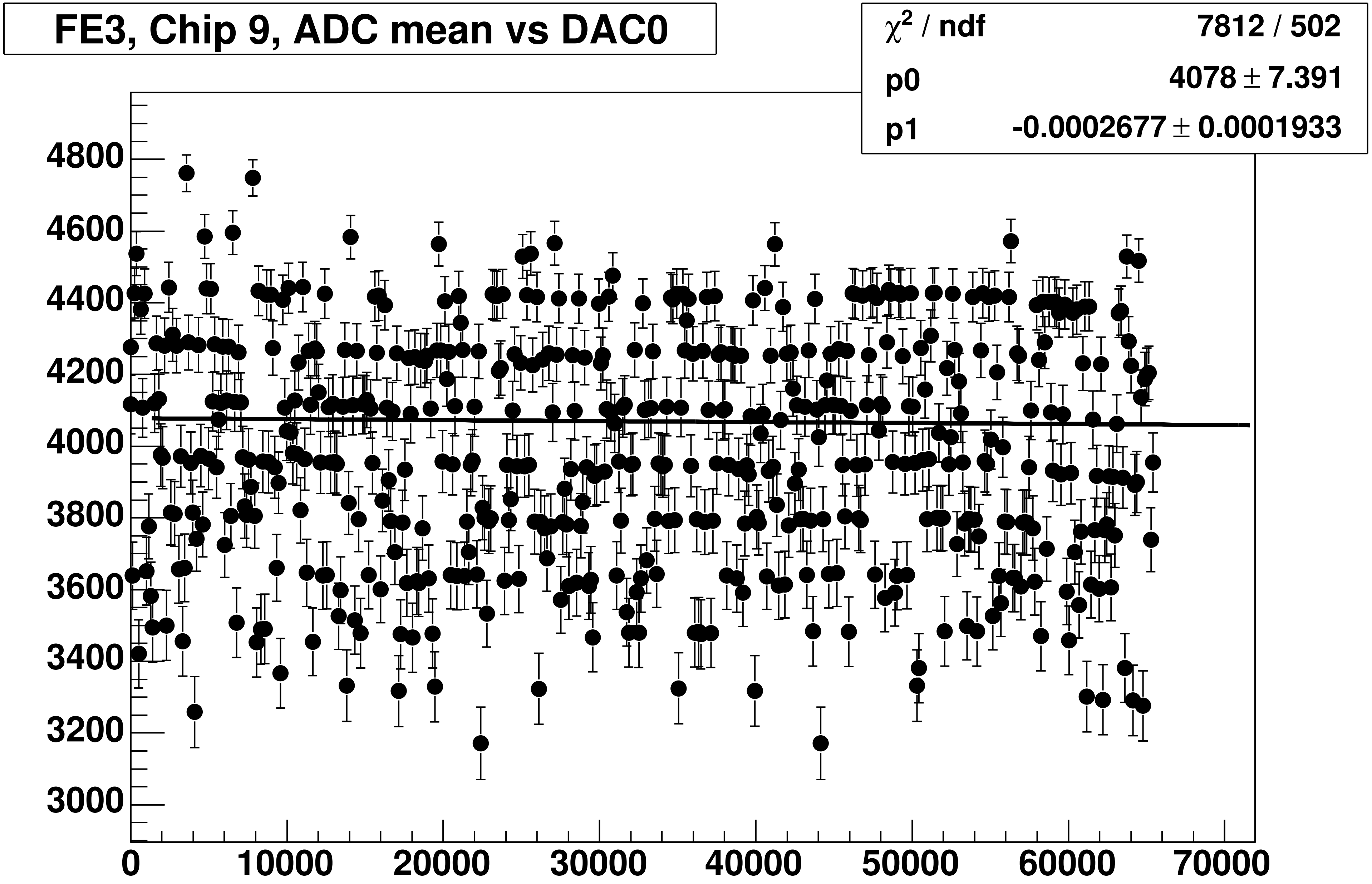

FE3, Chip 8, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

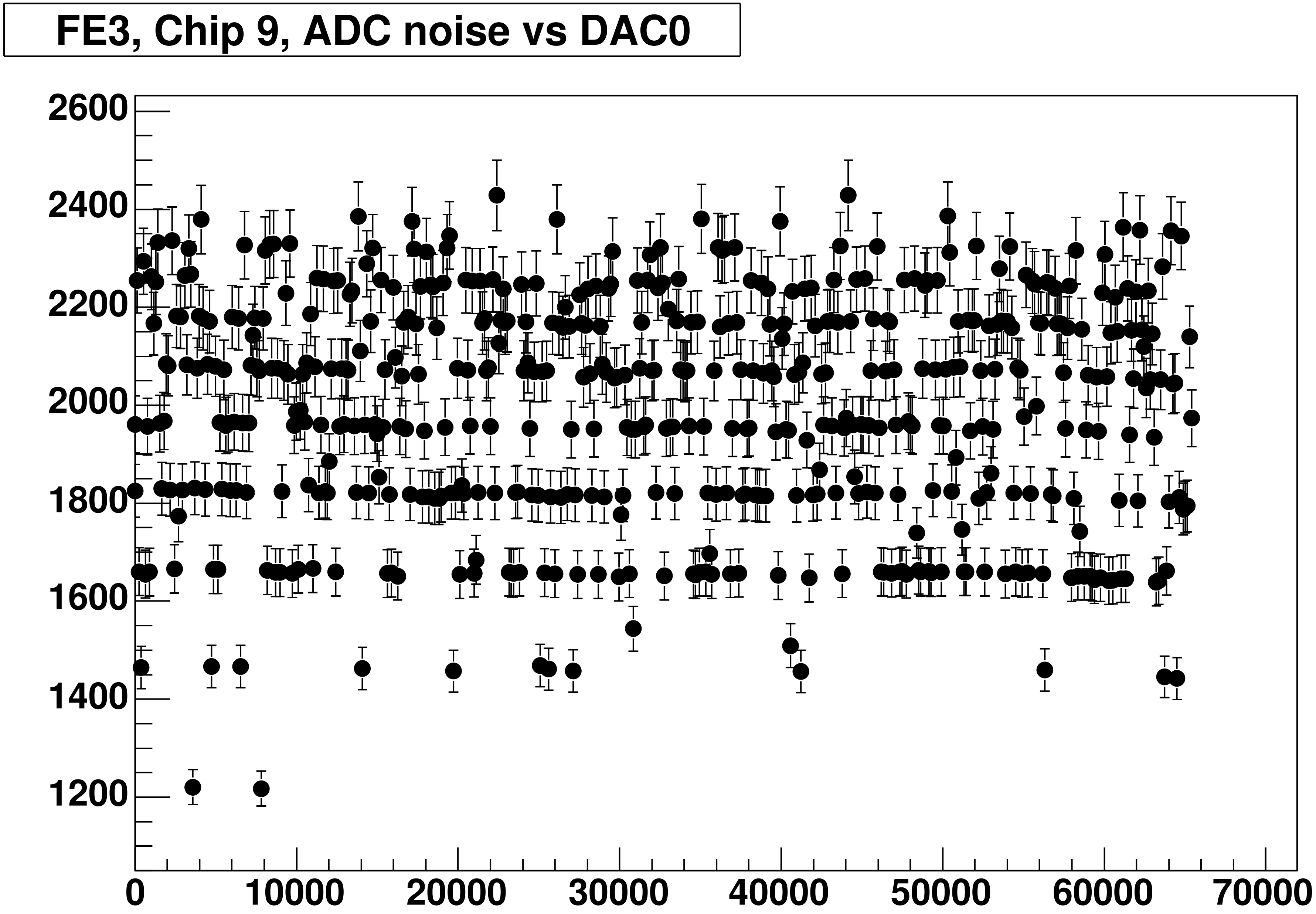


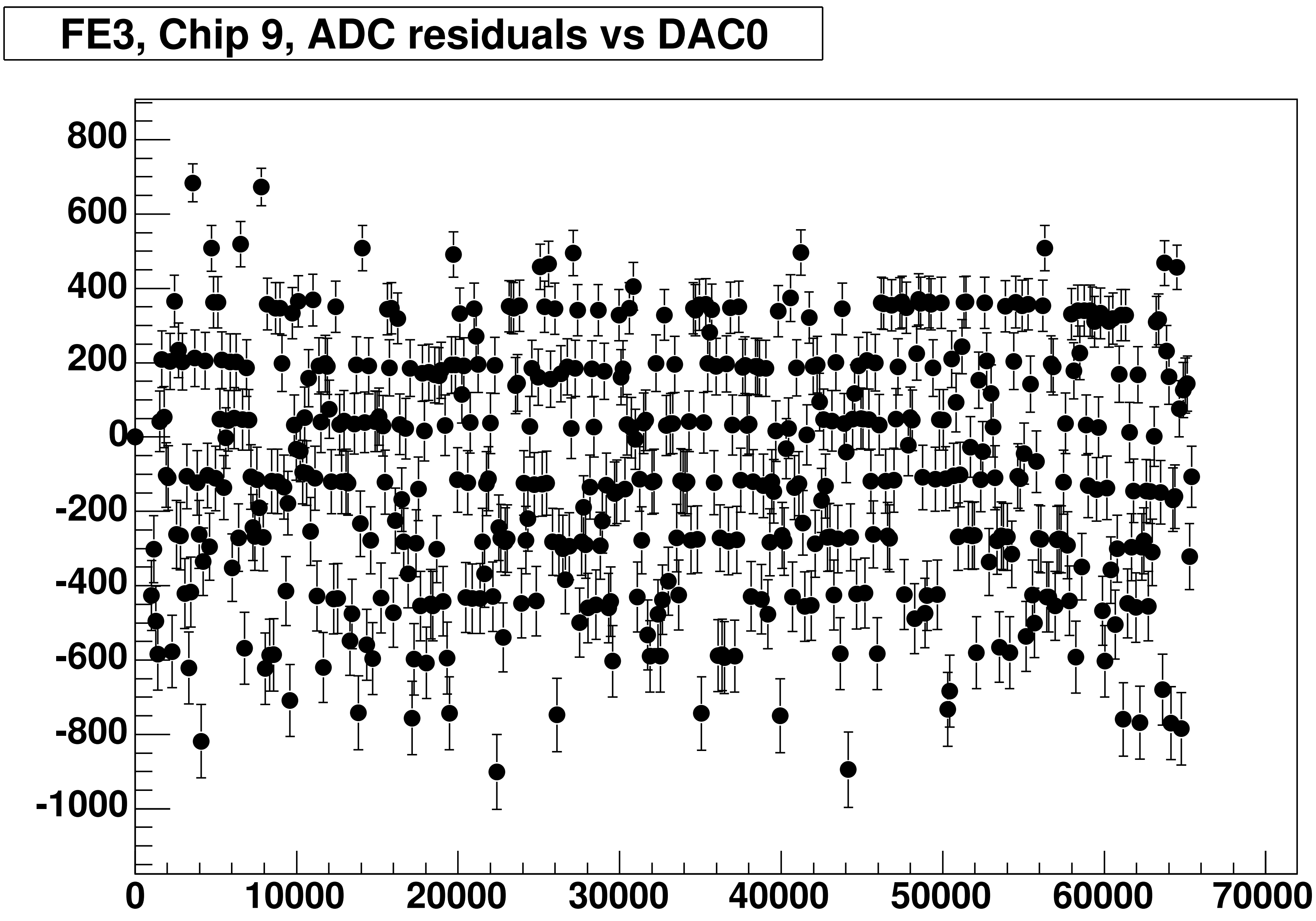
FE3, Chip 8, ADC mean vs DAC1
χ^2 / ndf 4.432e+05 / 502
p0 42.36 ± 0.01791
p1 0.45 ± 4.864e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

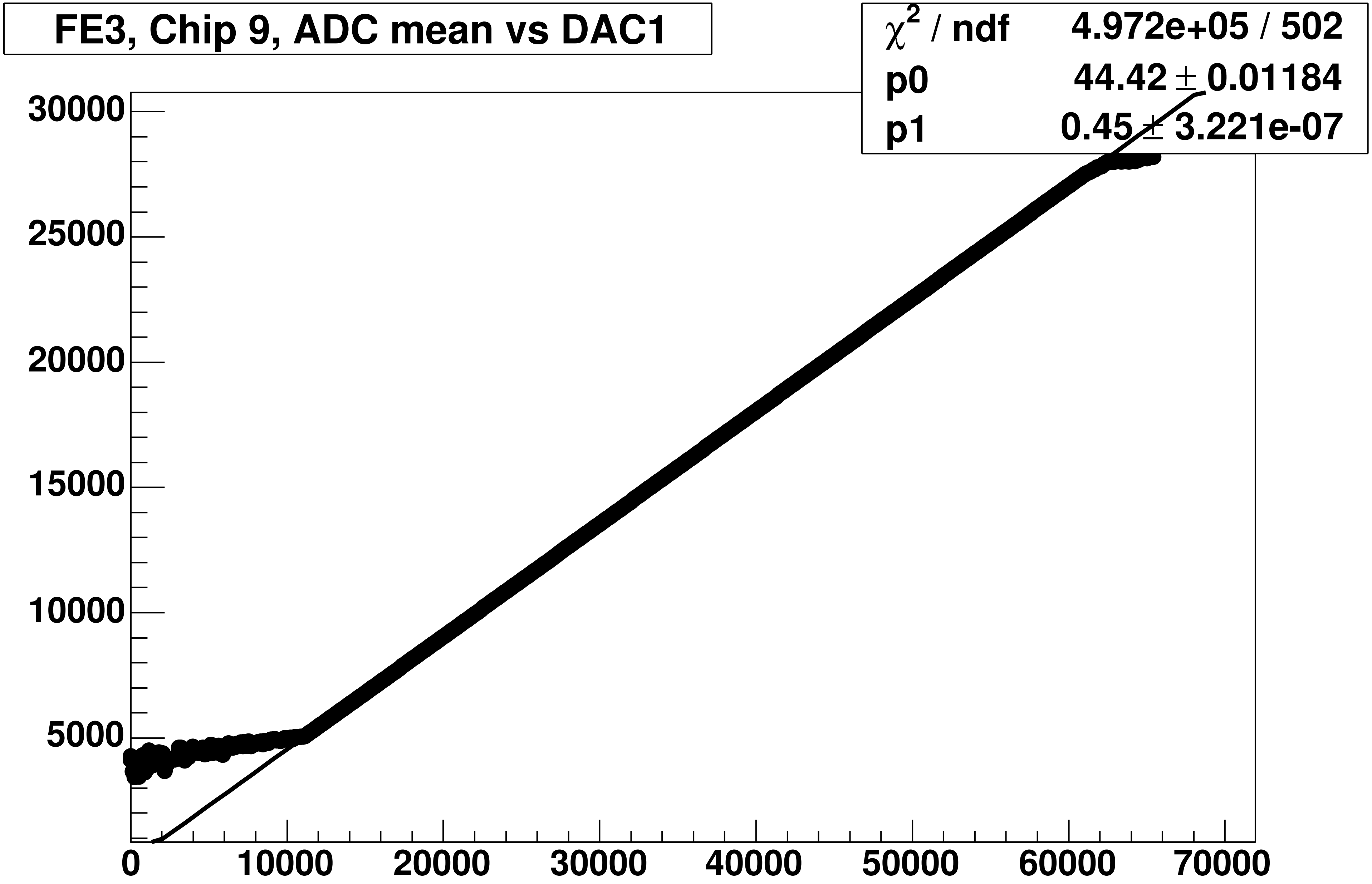

FE3, Chip 8, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 8, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 9, ADC mean vs DAC0
χ^2 / ndf 7812 / 502
p0 4078 ± 7.391
p1 -0.0002677 ± 0.0001933
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 9, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 9, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 9, ADC mean vs DAC1
χ2 / ndf 4.972e+05 / 502
p0 44.42 ± 0.01184
p1 0.45 ± 3.221e-07
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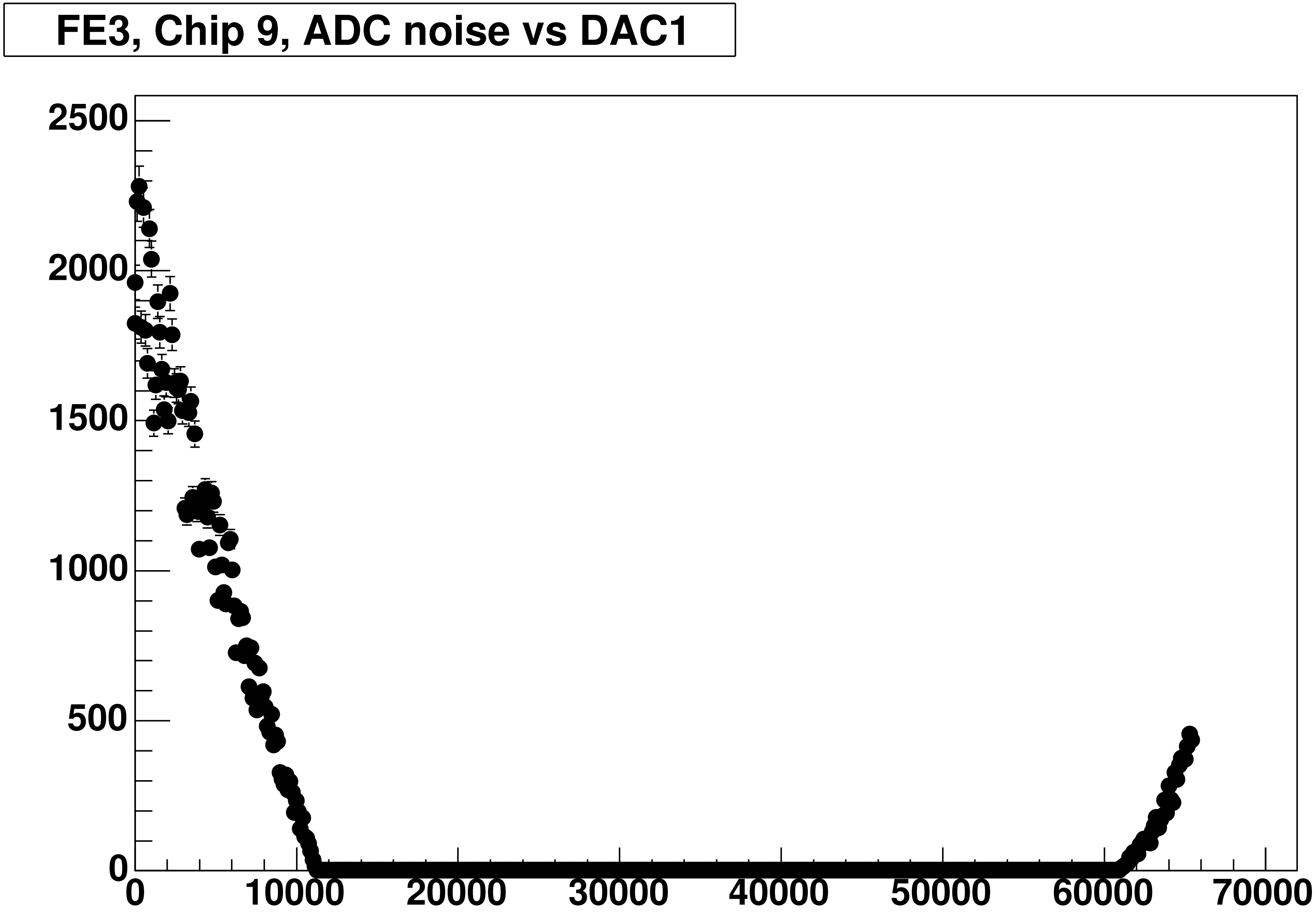
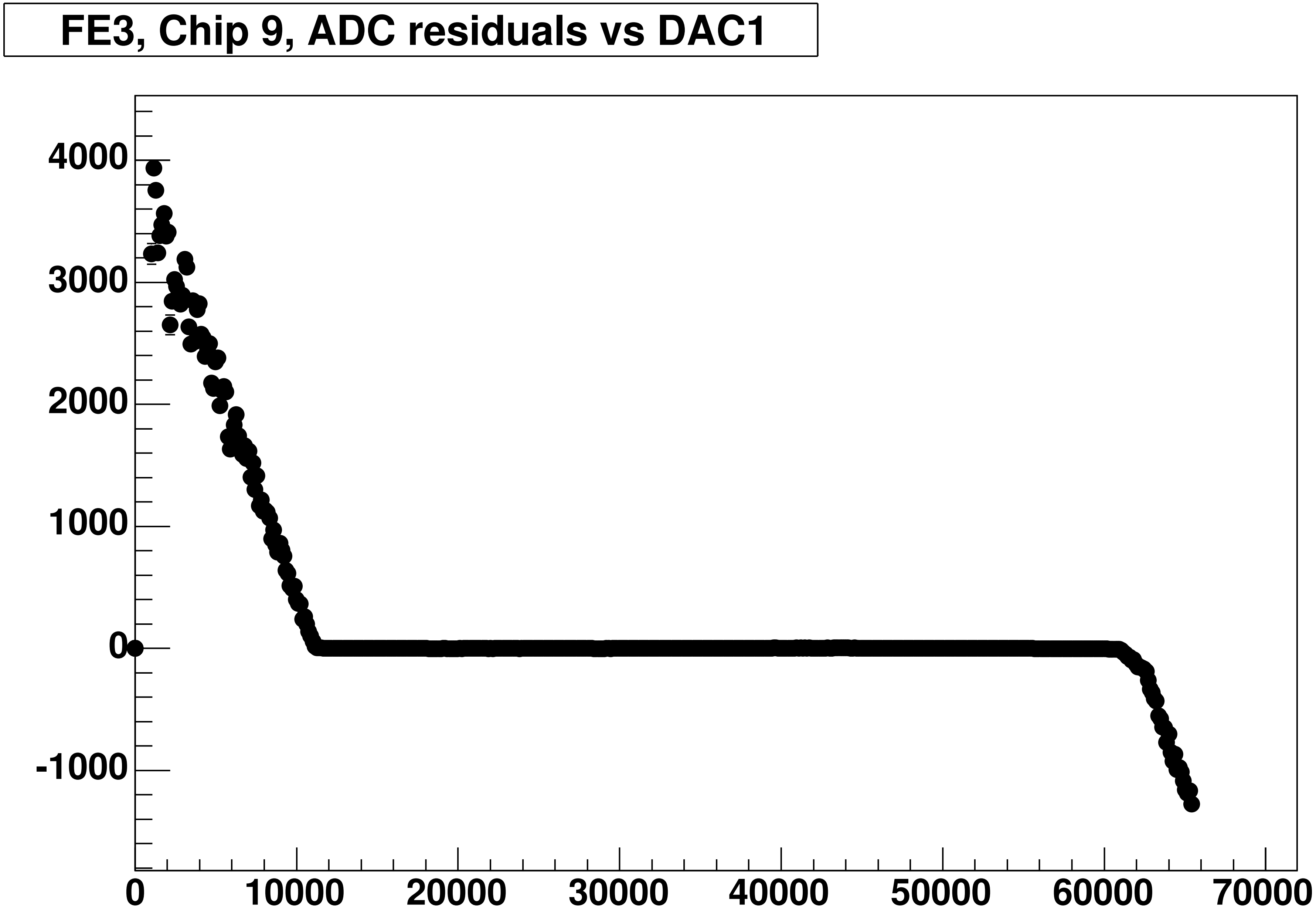
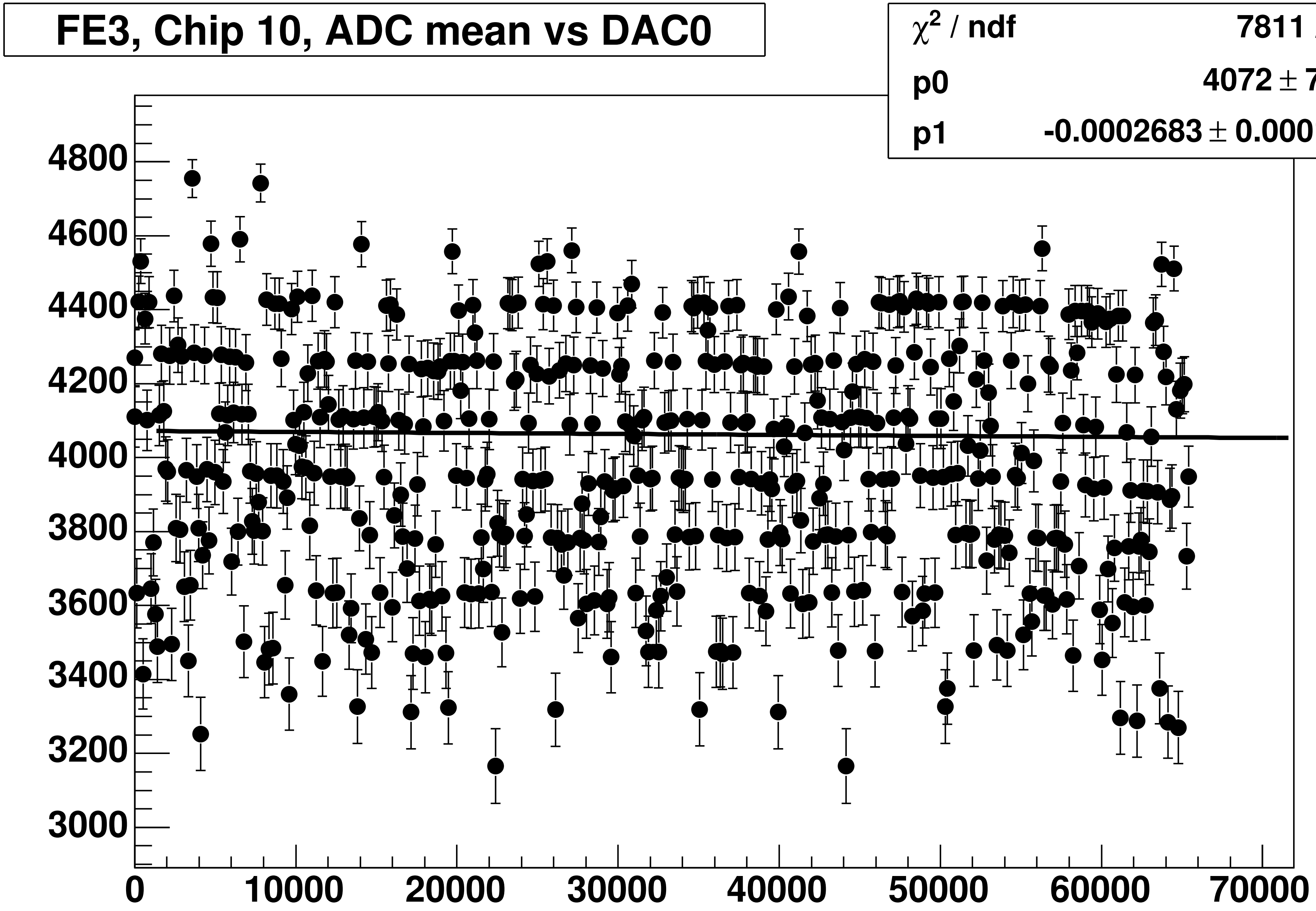
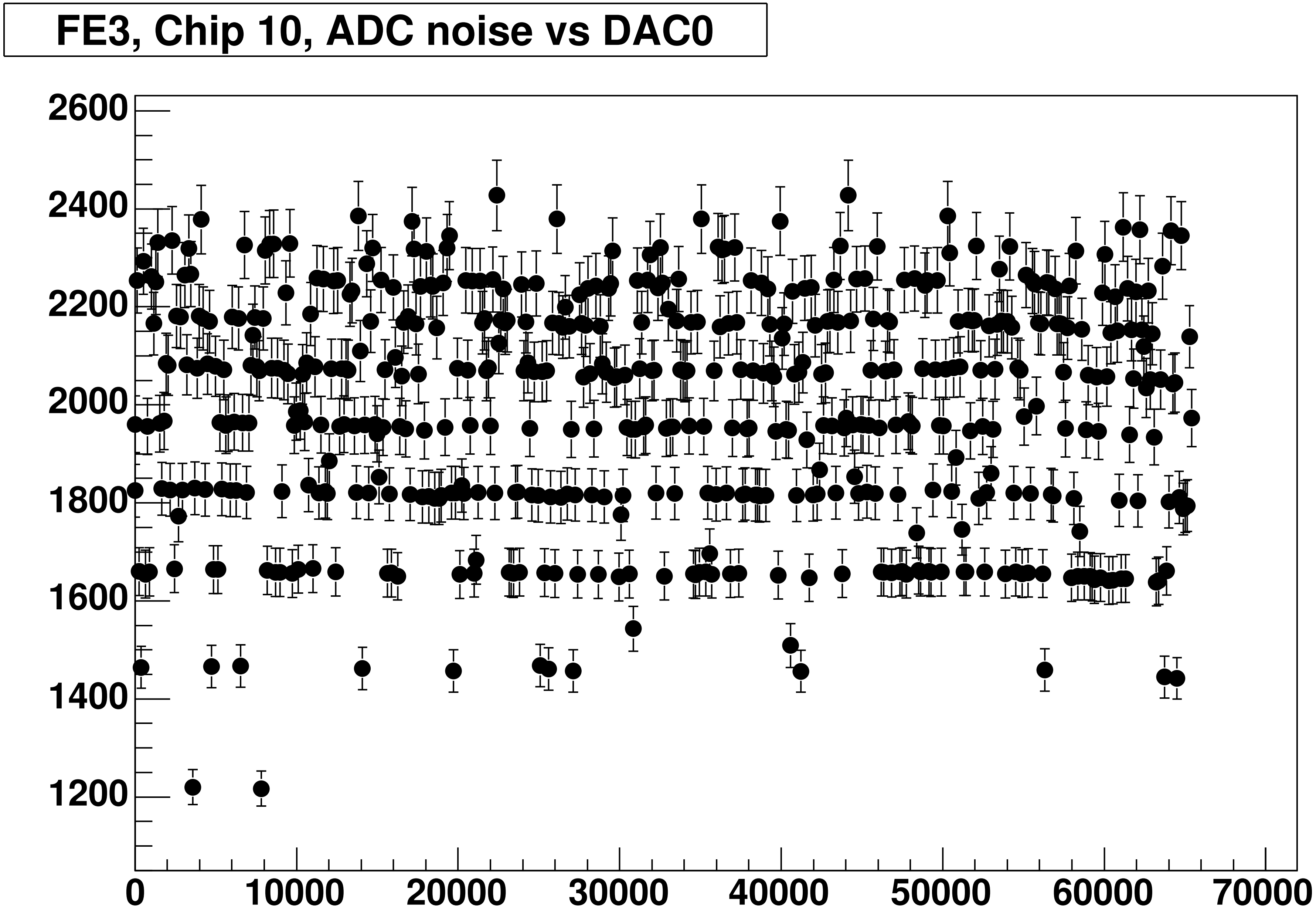
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

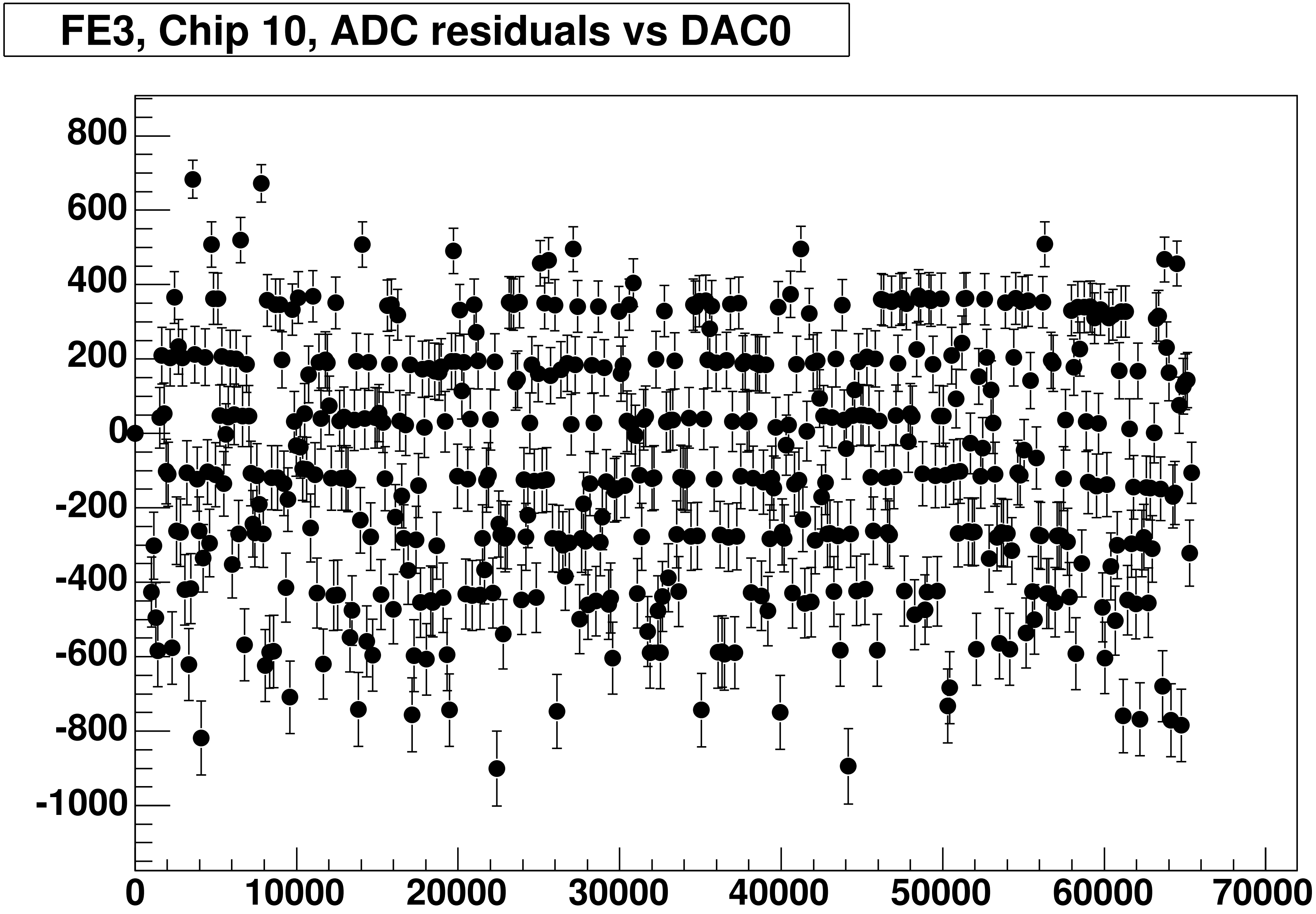

FE3, Chip 9, ADC noise vs DAC1
2500
2000
1500
1000
500
0
10000
20000
30000
40000
50000
60000
70000

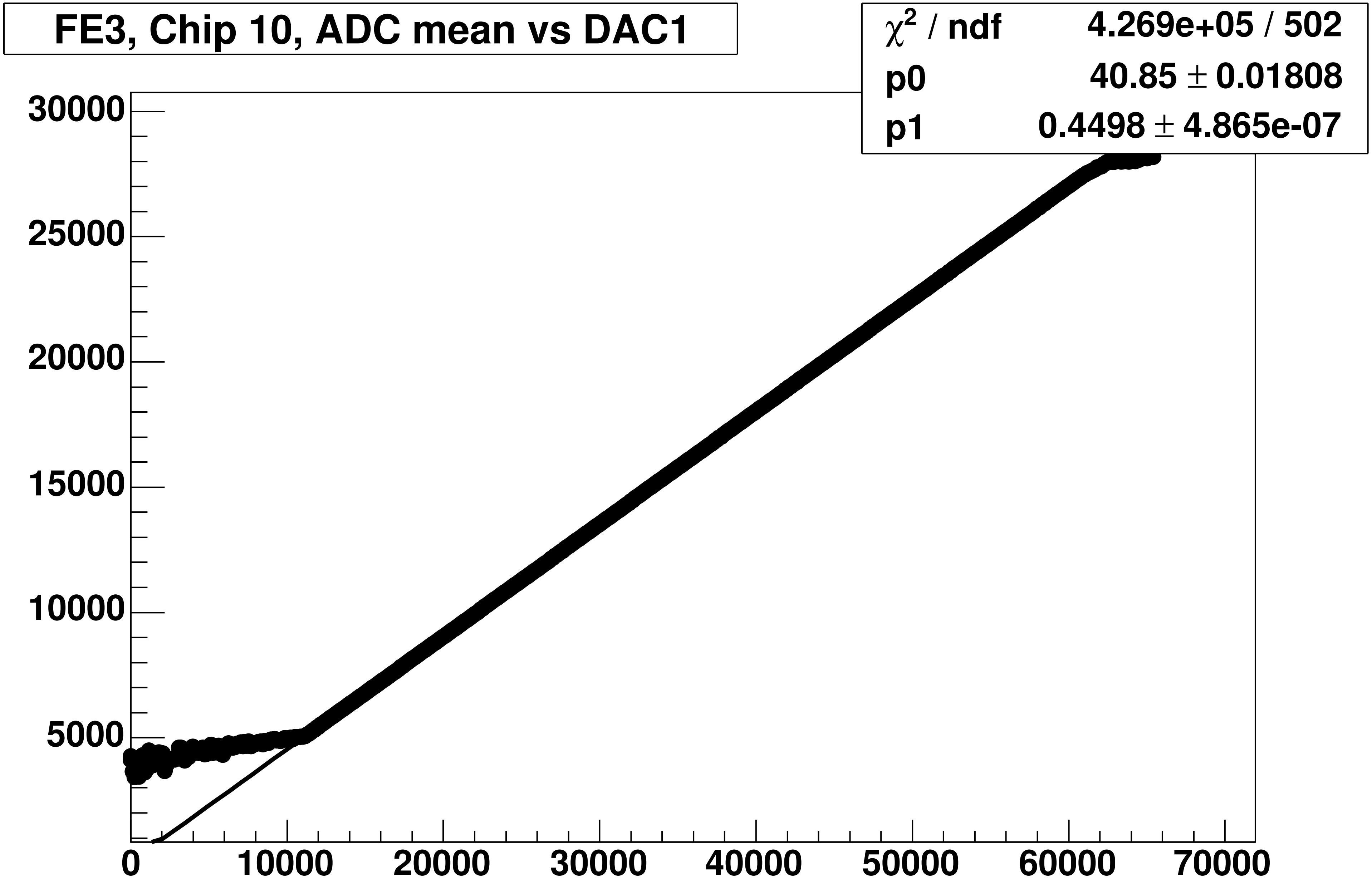


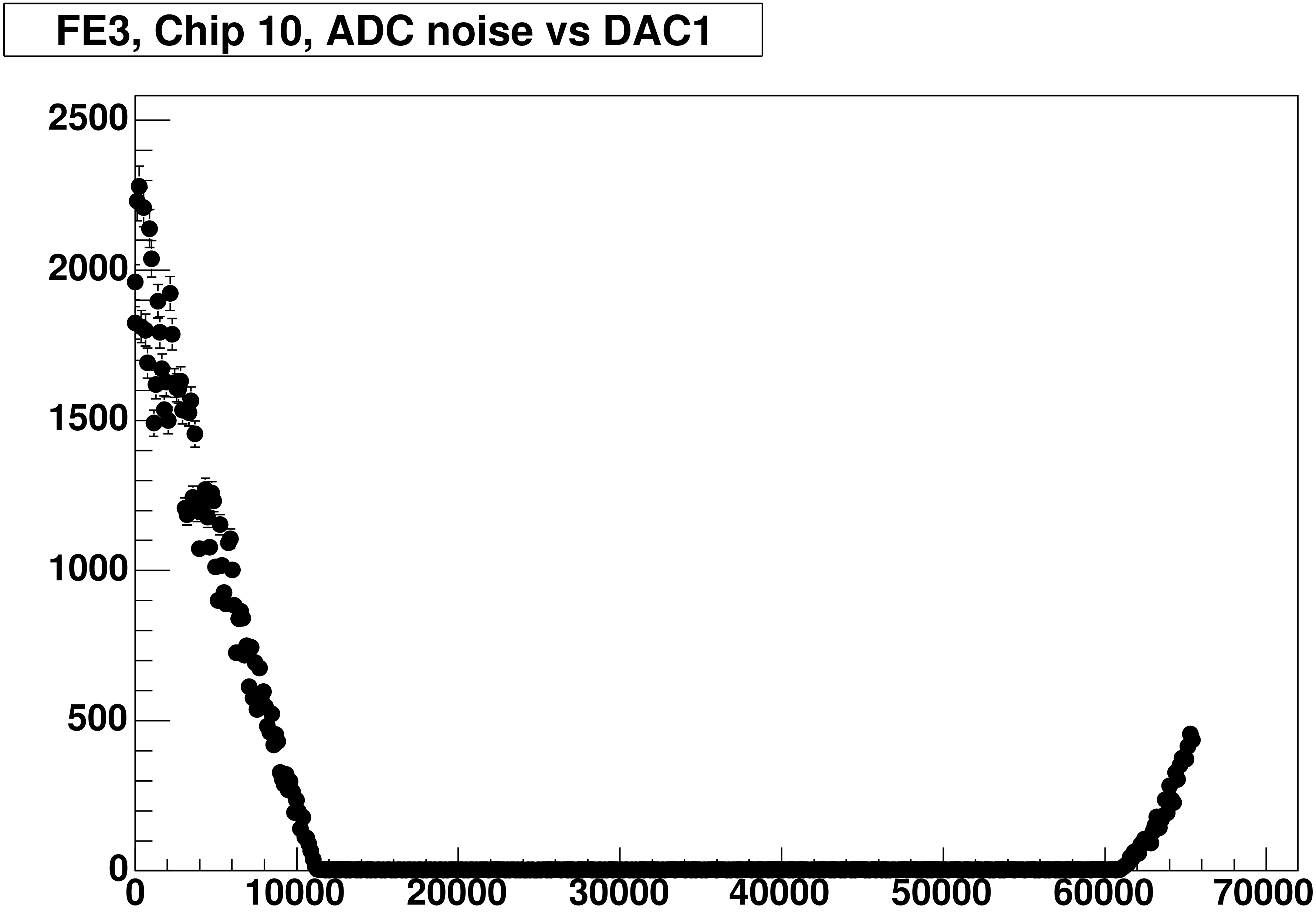
FE3, Chip 9, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

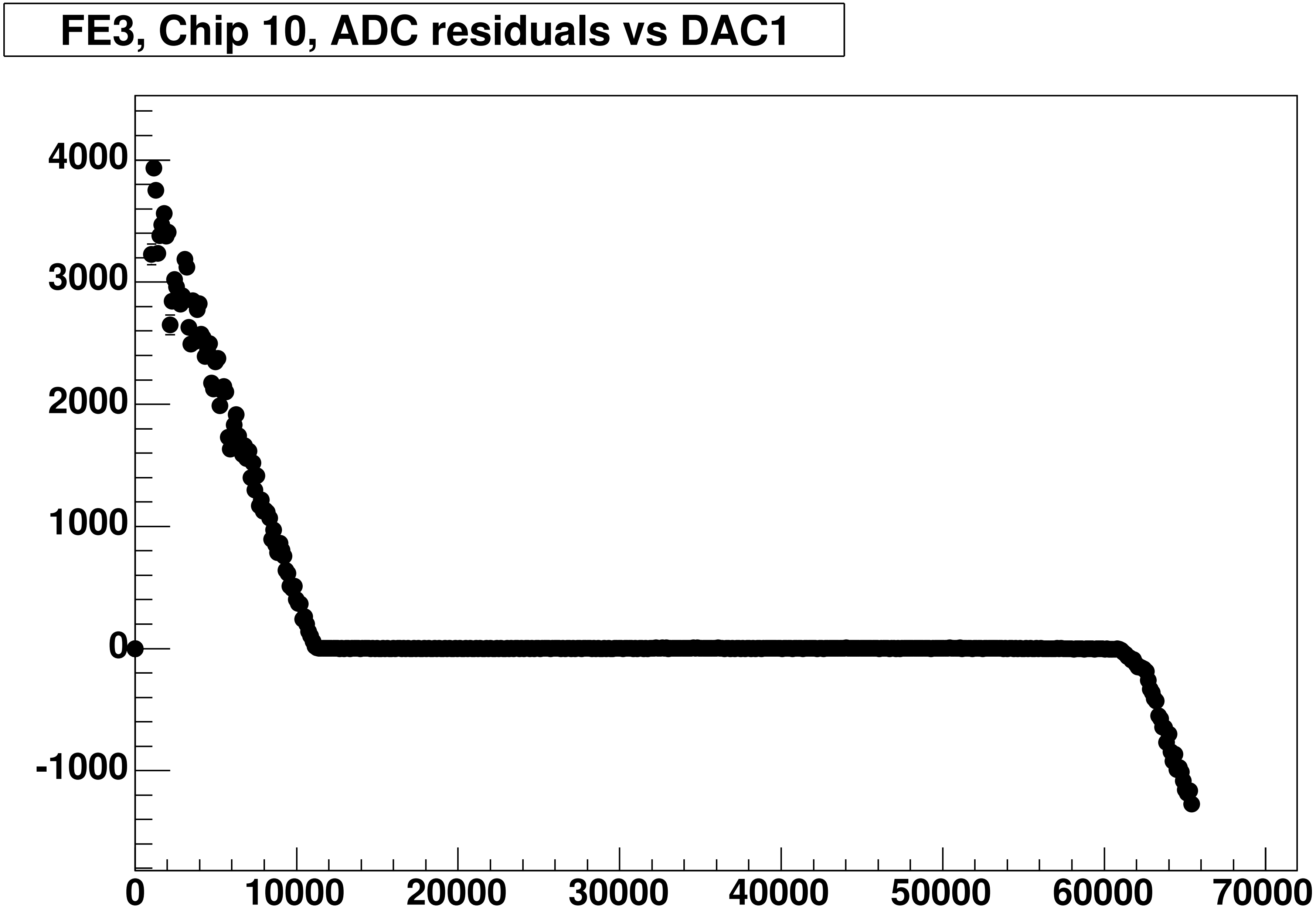

FE3, Chip 10, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4072 ± 7.389
p1 -0.0002683 ± 0.0001932
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

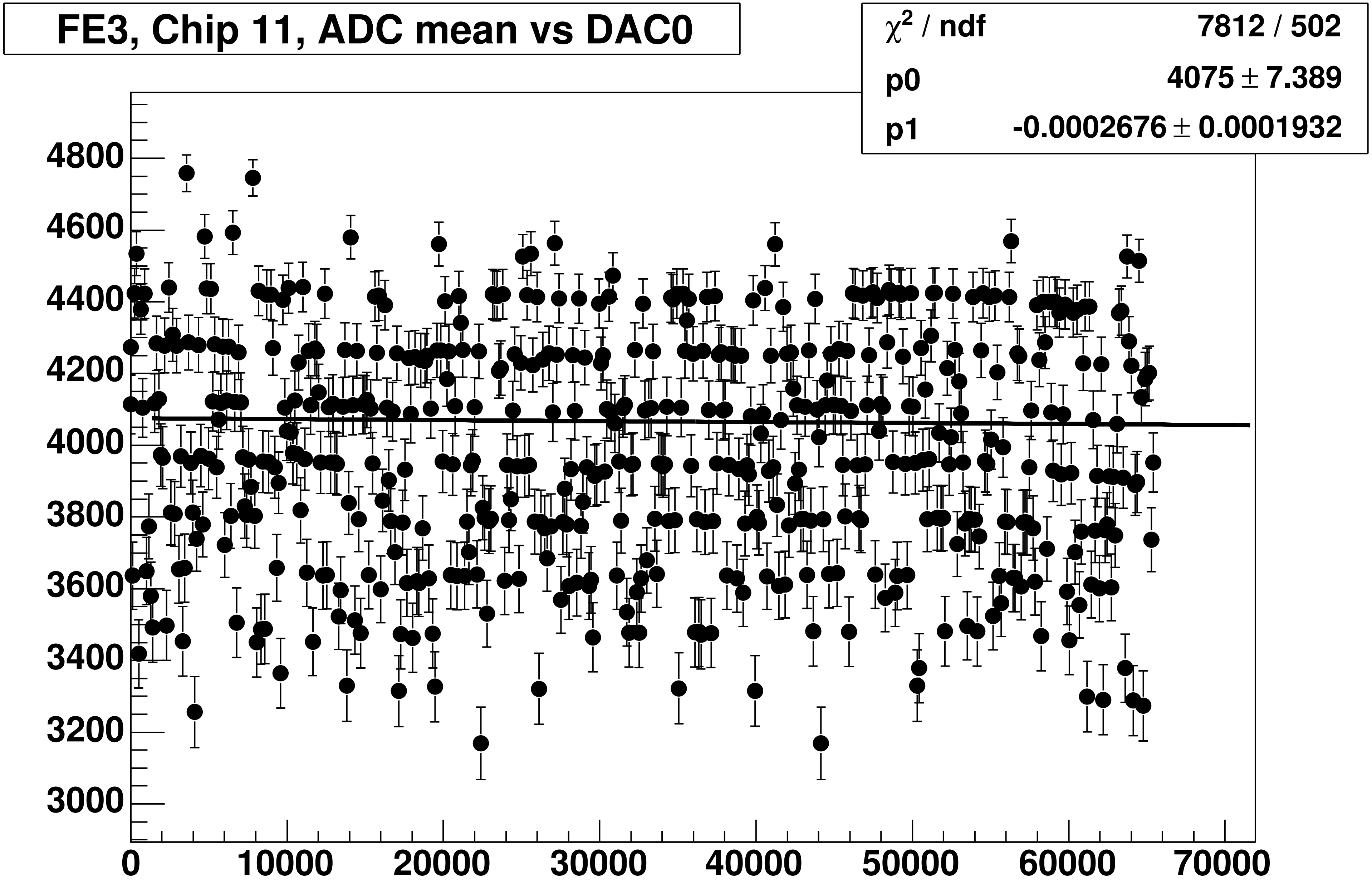

FE3, Chip 10, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

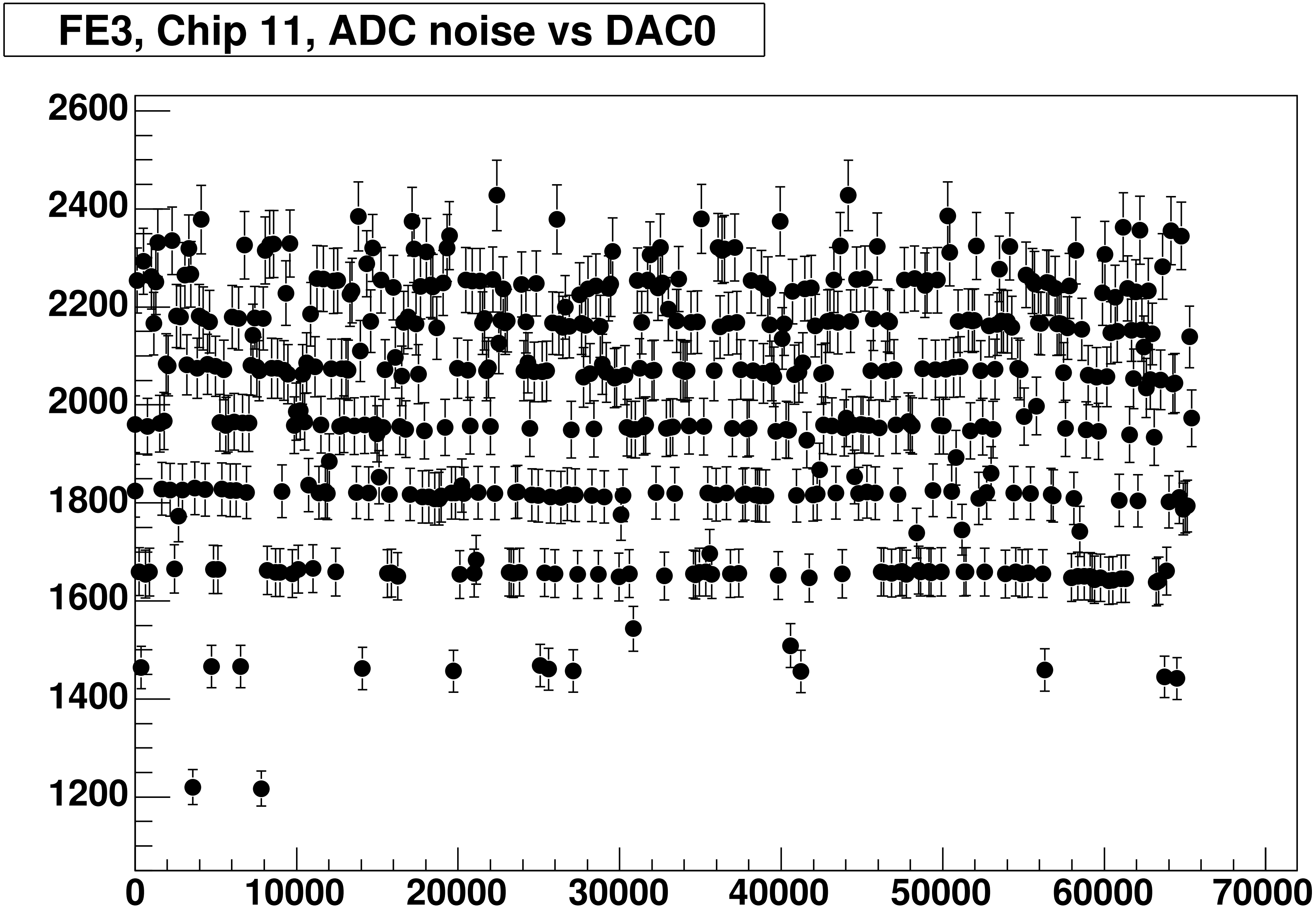

FE3, Chip 10, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

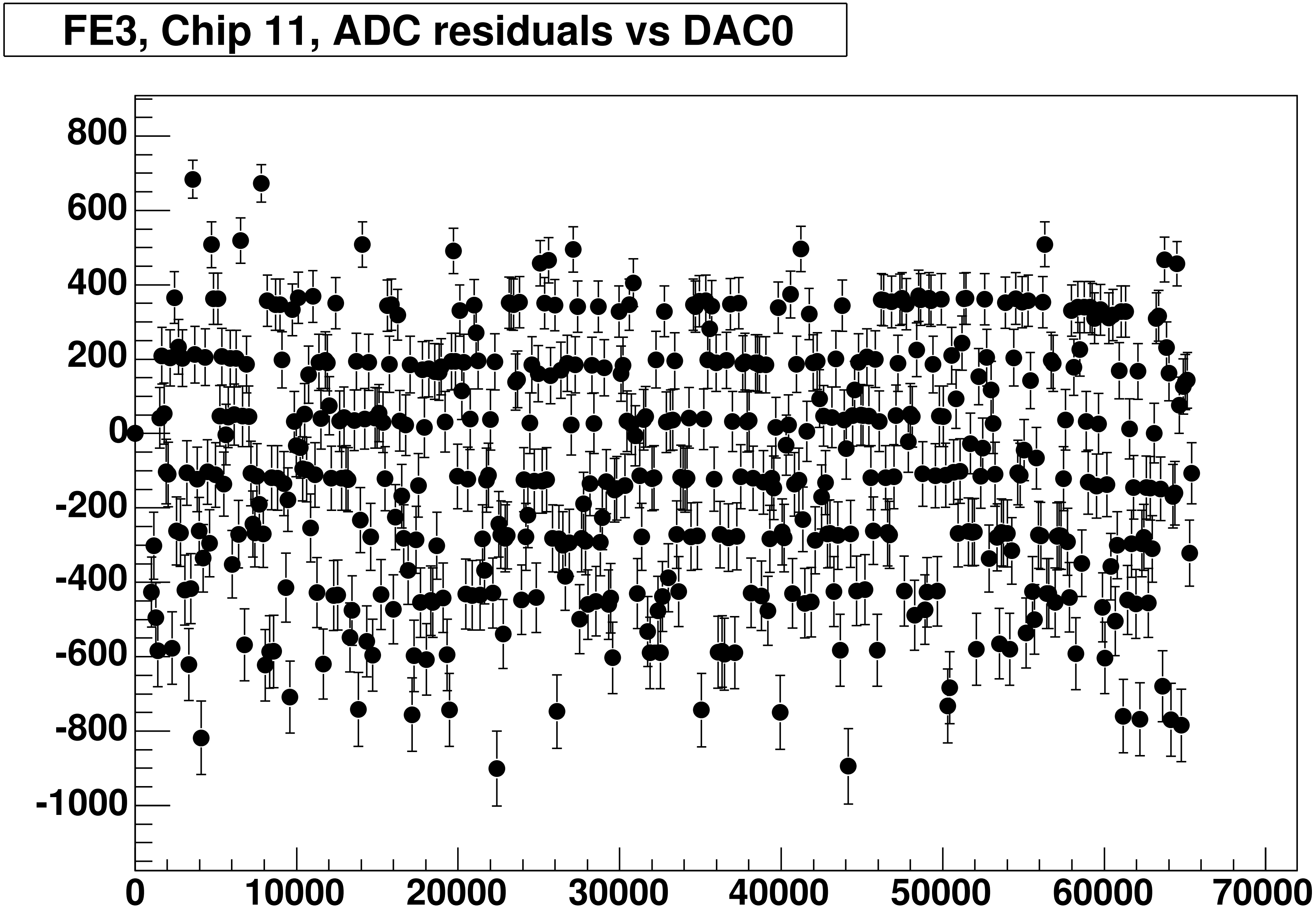

FE3, Chip 10, ADC mean vs DAC1
χ^2 / ndf 4.269e+05 / 502
p0 40.85 ± 0.01808
p1 0.4498 ± 4.865e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 10, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

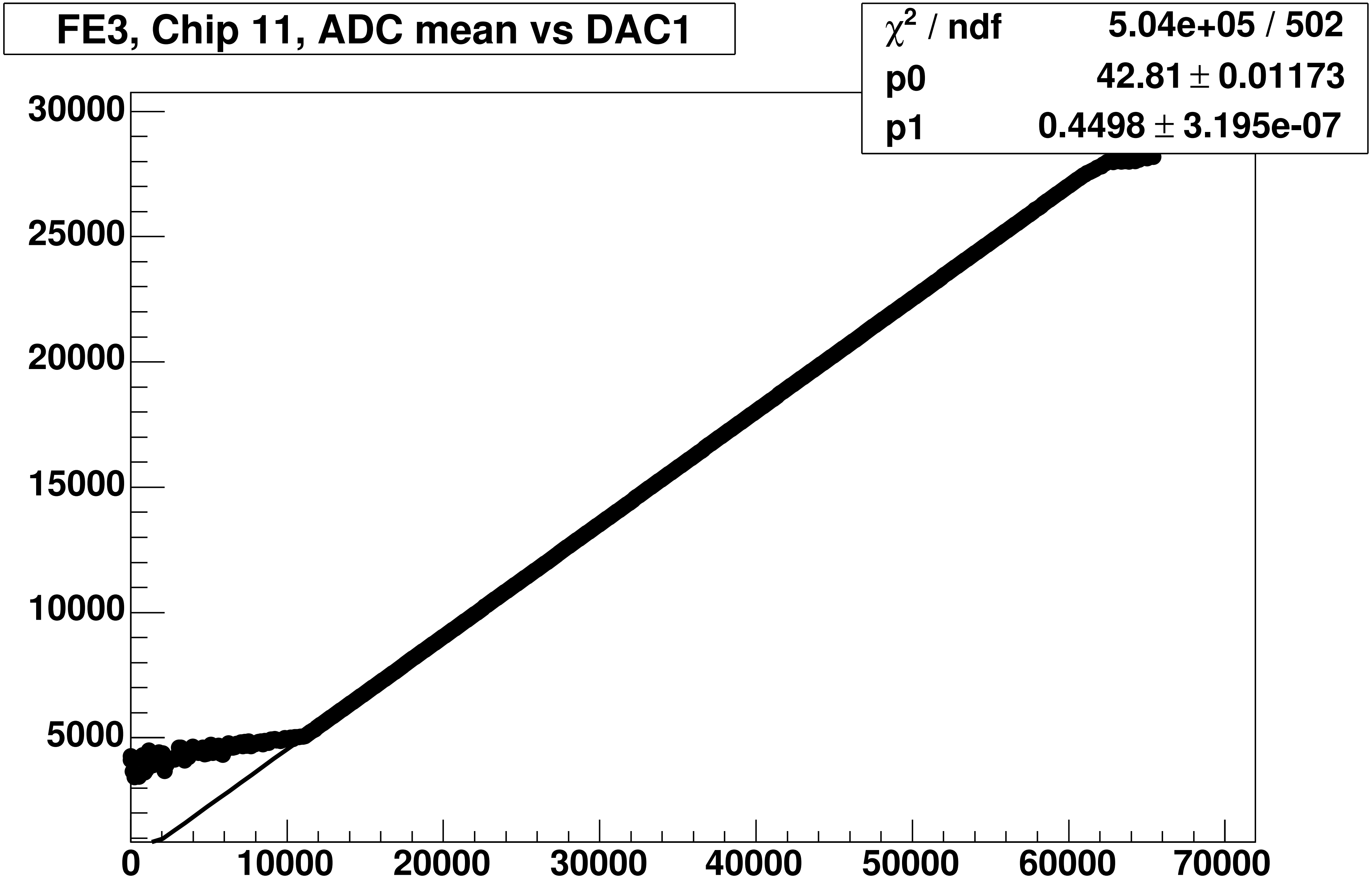

FE3, Chip 10, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 11, ADC mean vs DAC0
χ^2 / ndf 7812 / 502
p0 4075 ± 7.389
p1 -0.0002676 ± 0.0001932
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 11, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000



FE3, Chip 11, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE3, Chip 11, ADC mean vs DAC1
χ2 / ndf 5.04e+05 / 502
p0 42.81 ± 0.01173
p1 0.4498 ± 3.195e-07
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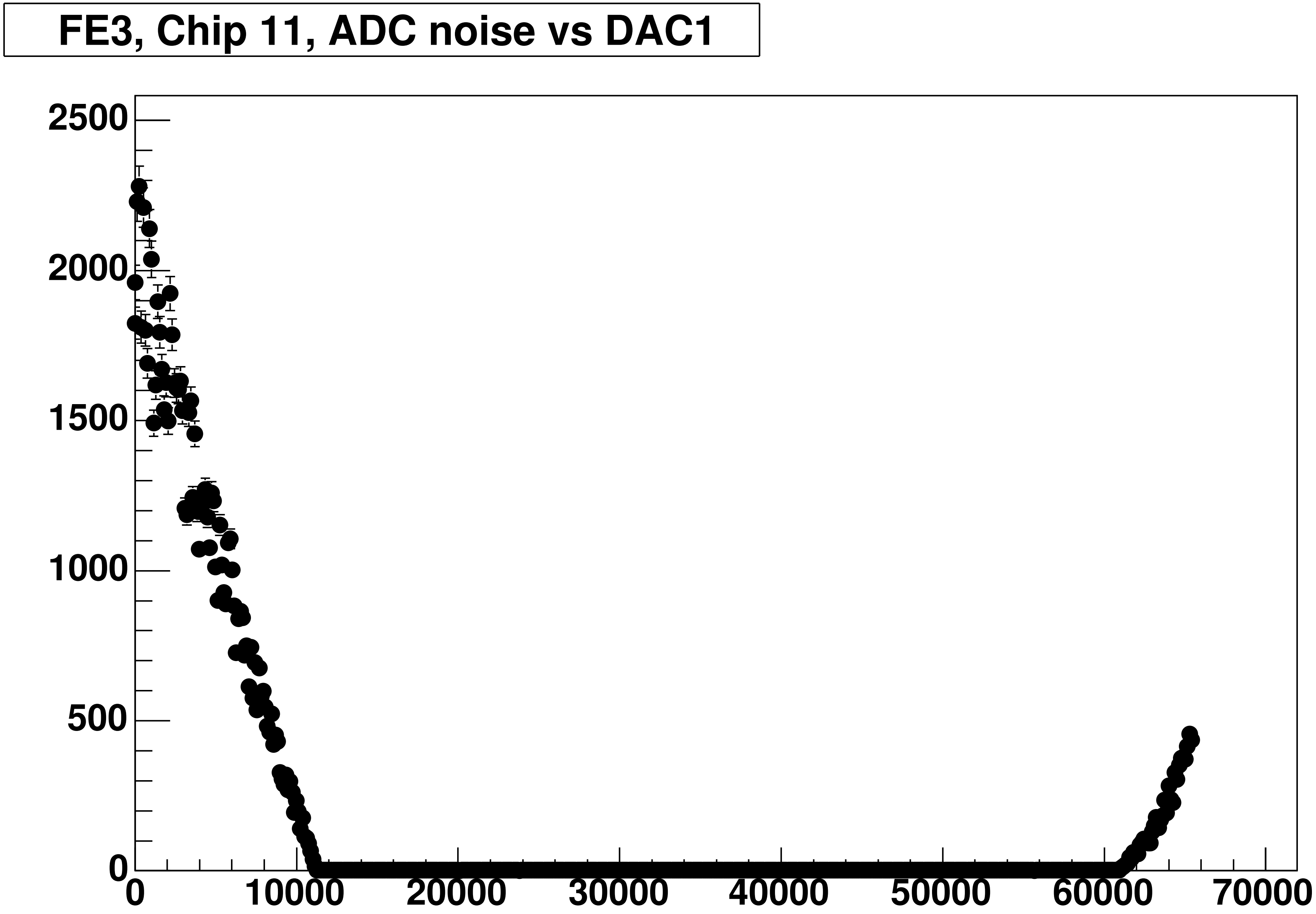
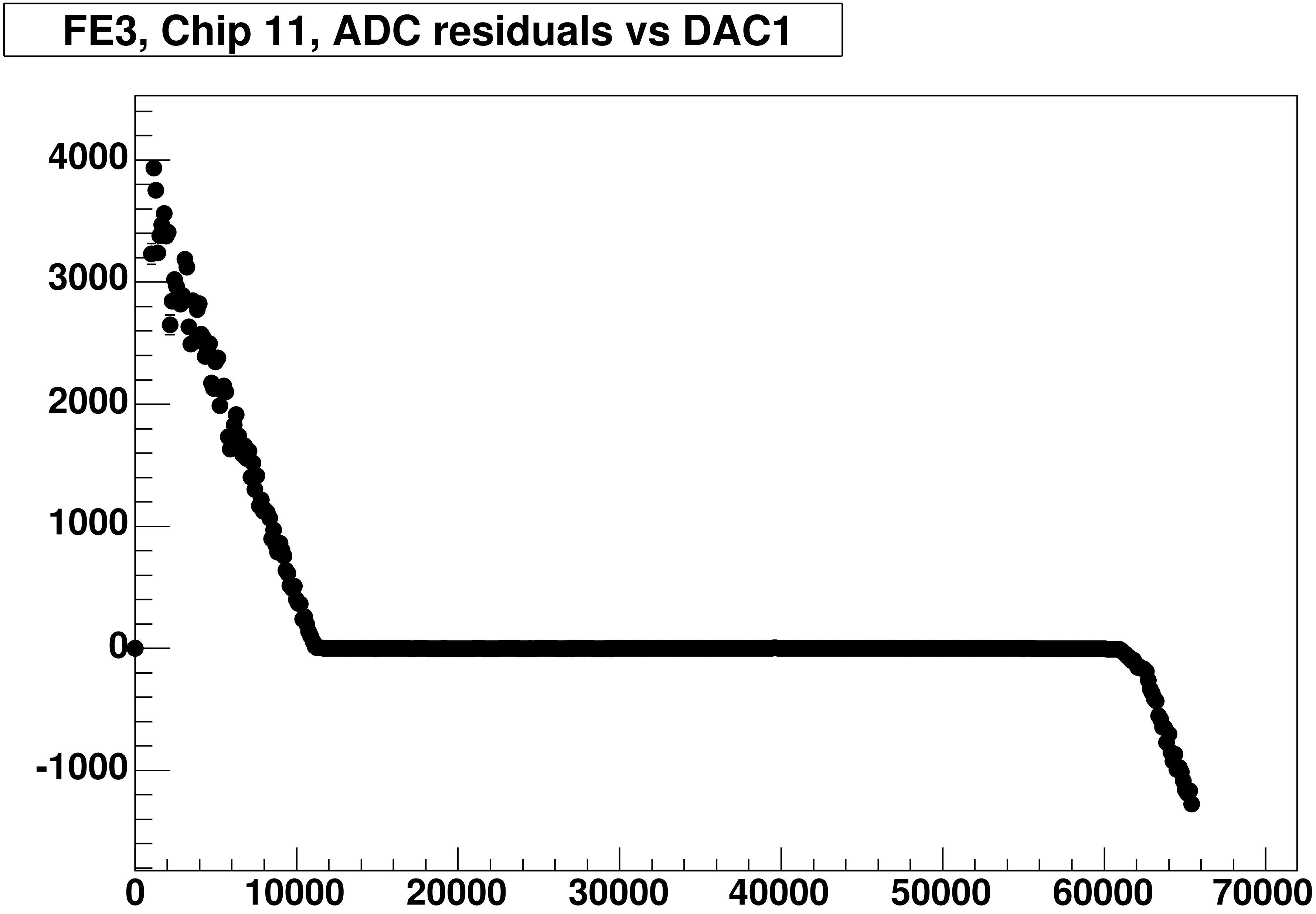
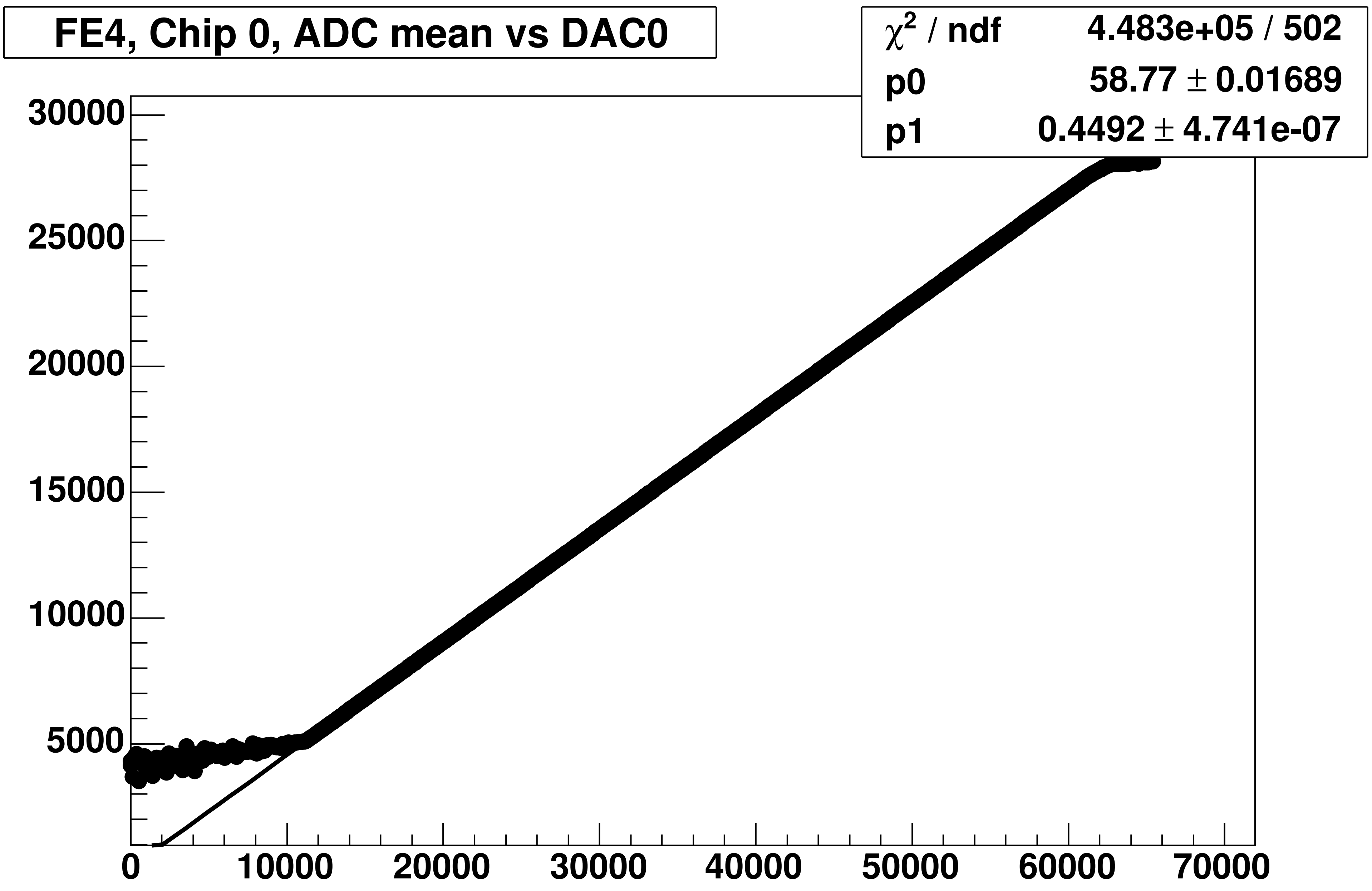
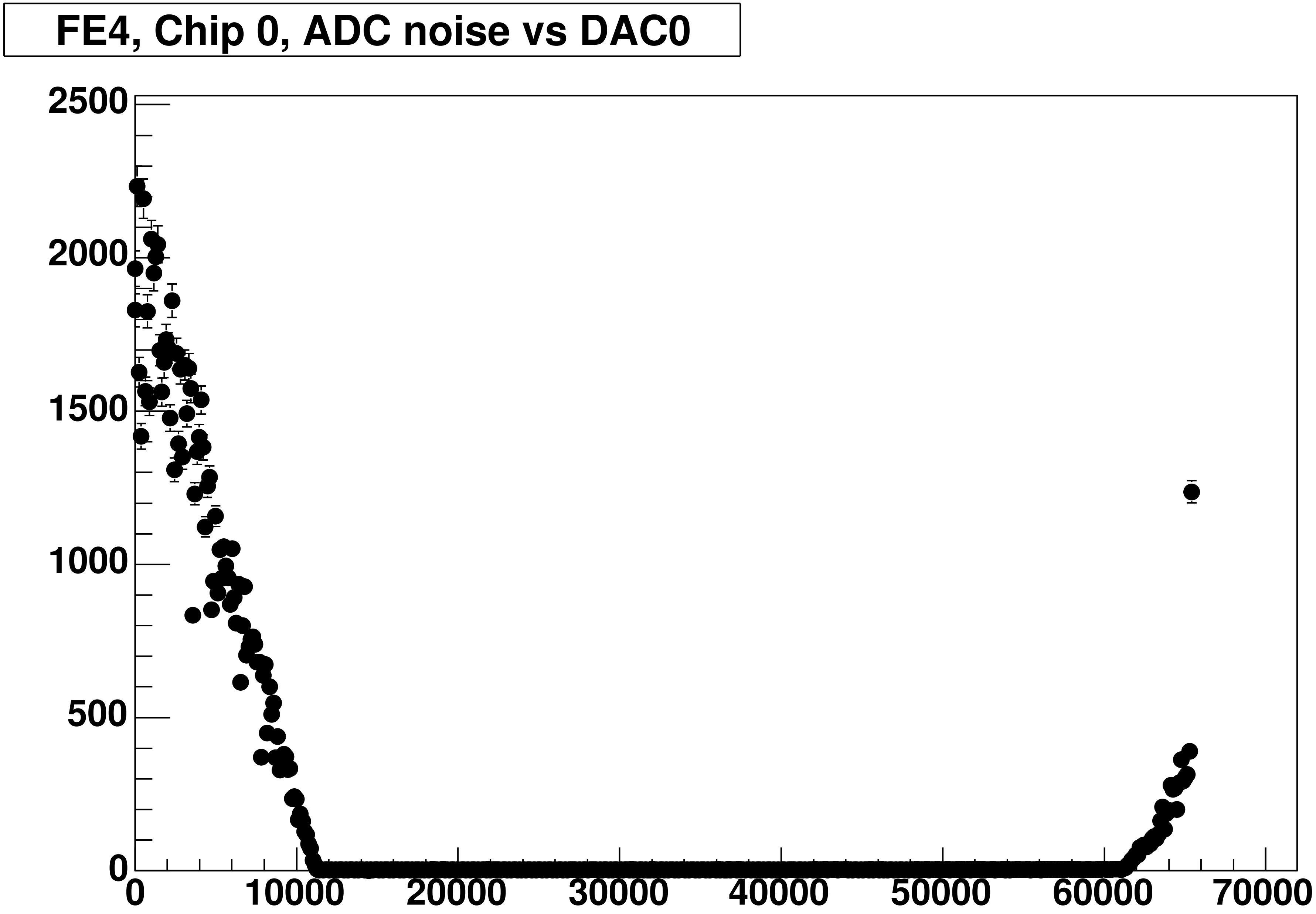
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

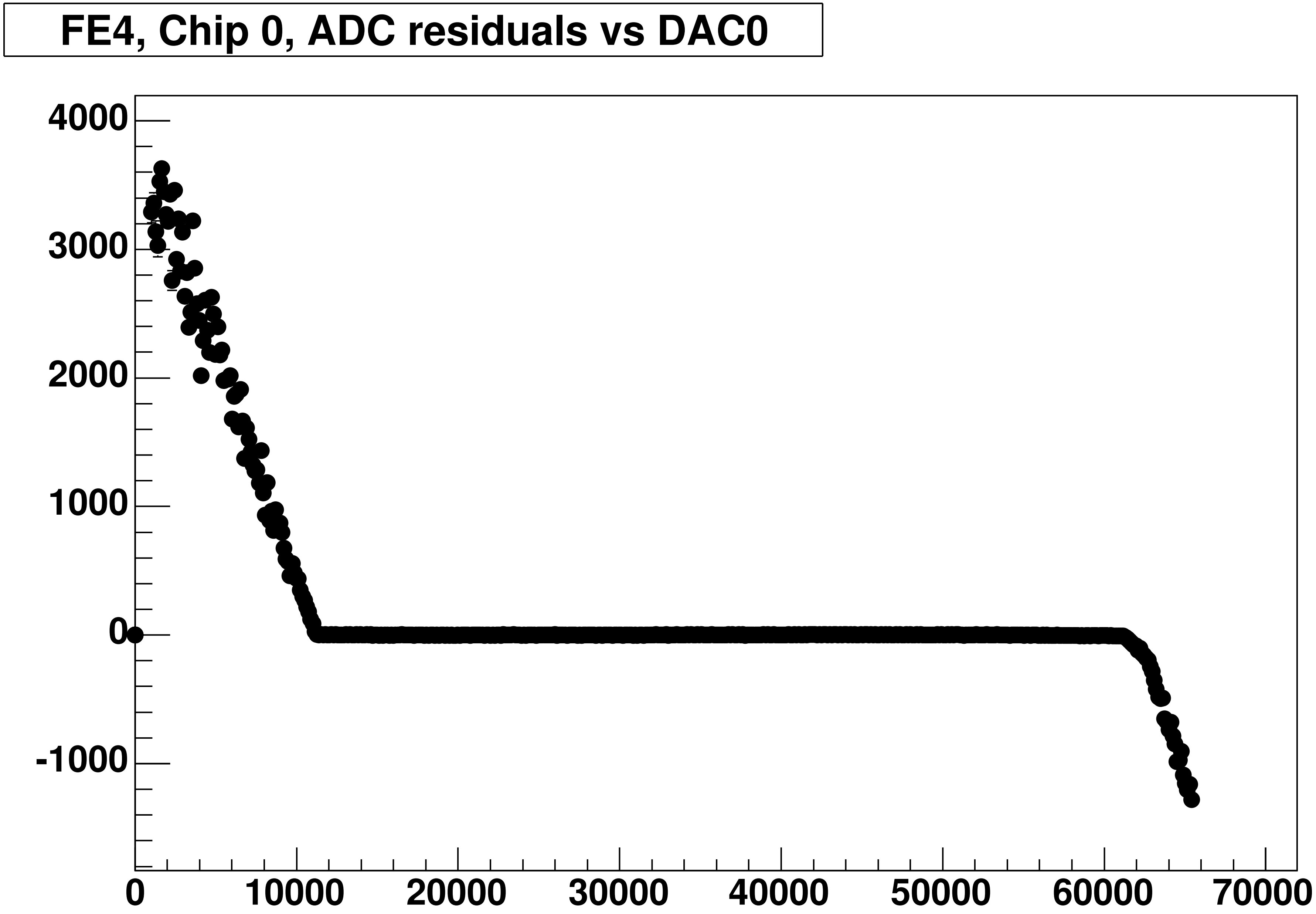

FE3, Chip 11, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

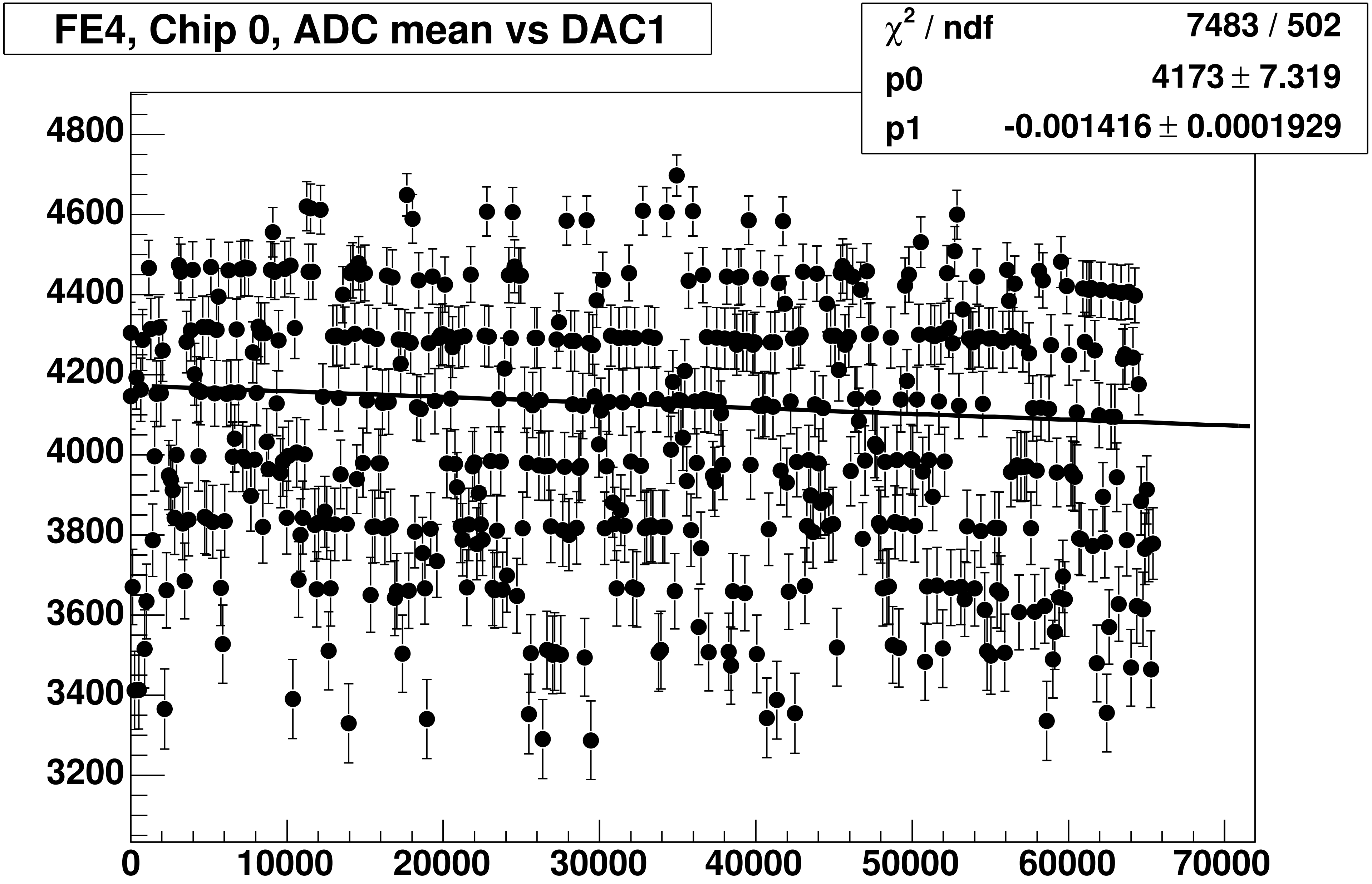

FE3, Chip 11, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

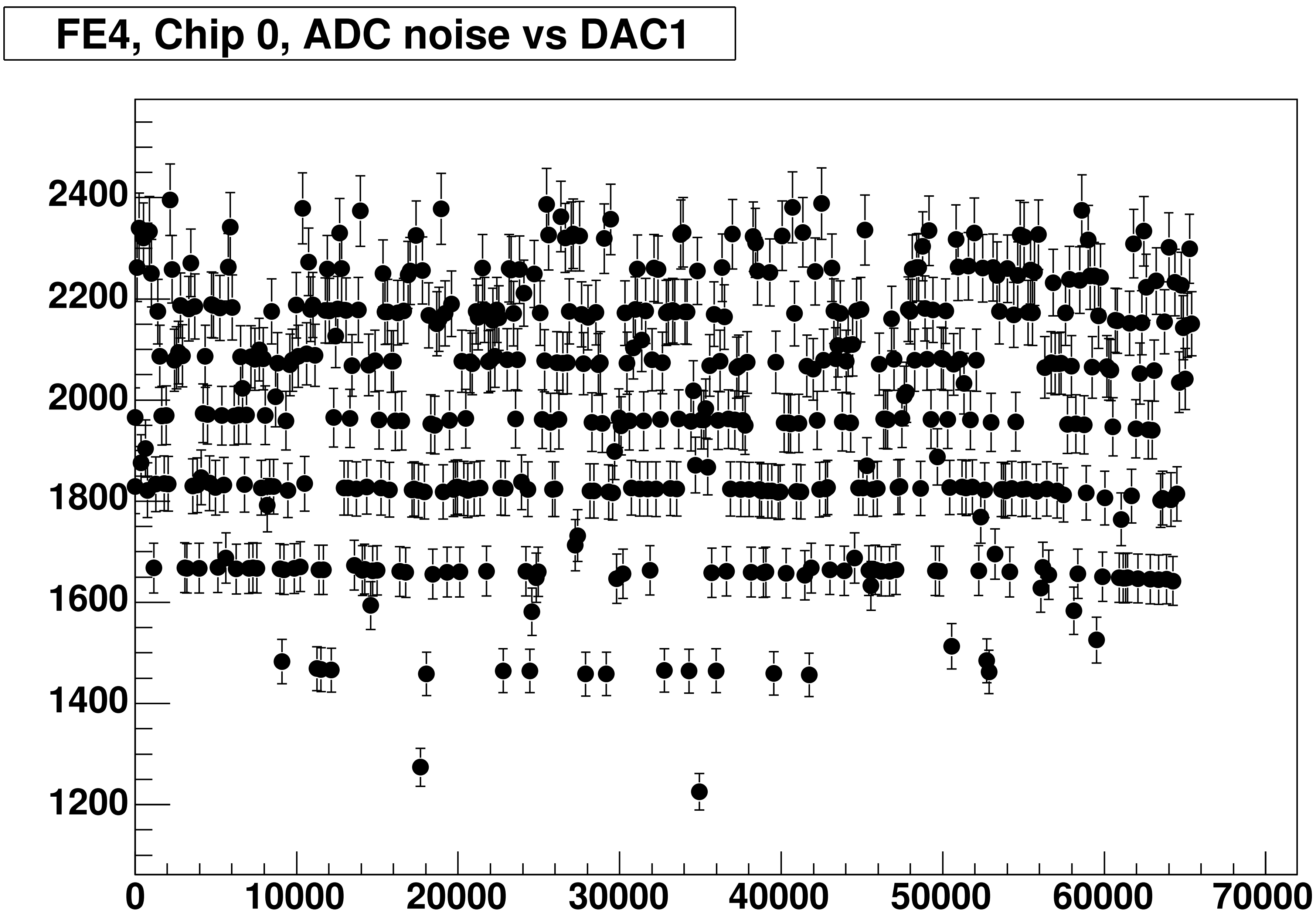

FE4, Chip 0, ADC mean vs DAC0
χ^2 / ndf 4.483e+05 / 502
p0 58.77 ± 0.01689
p1 0.4492 ± 4.741e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

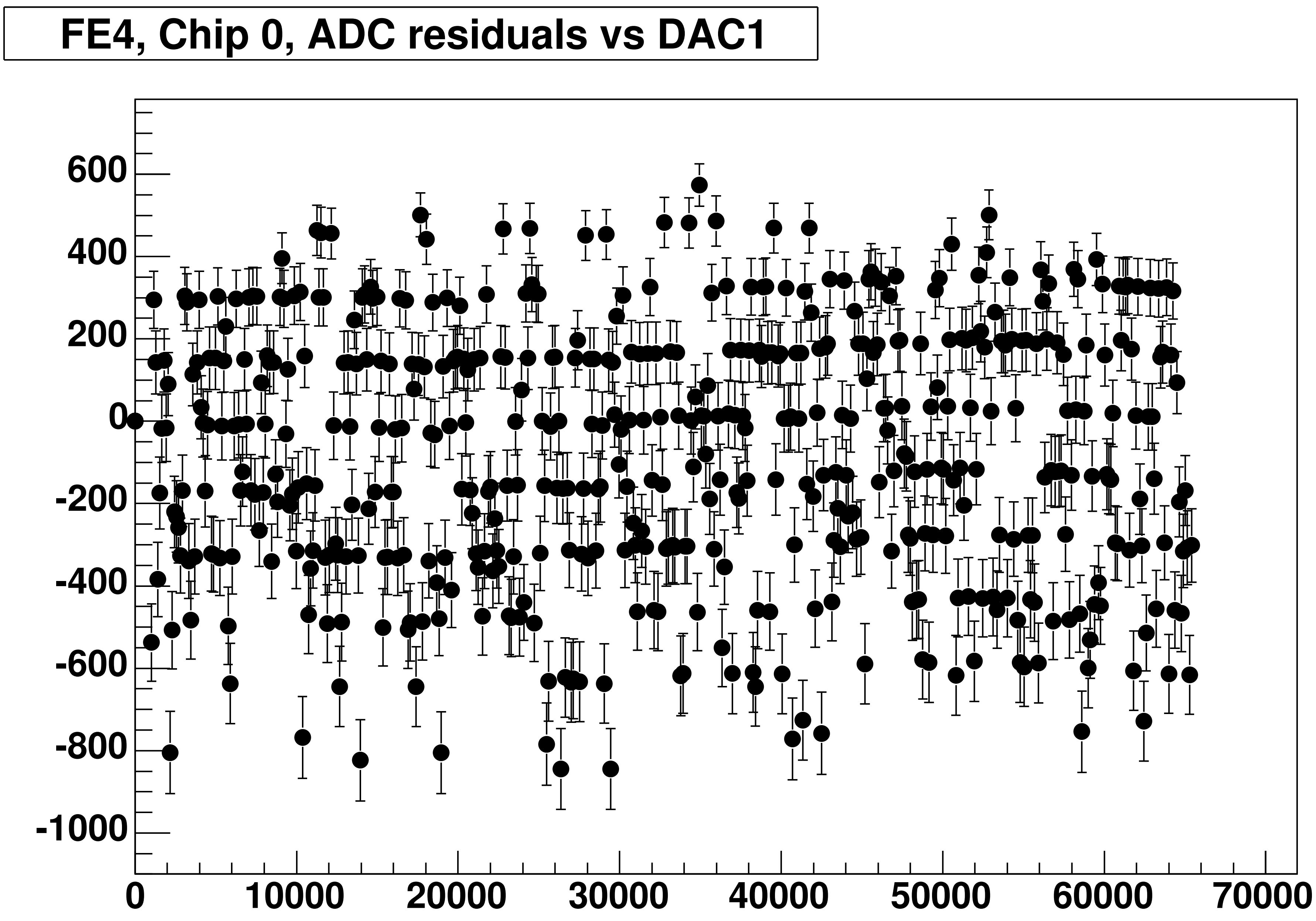


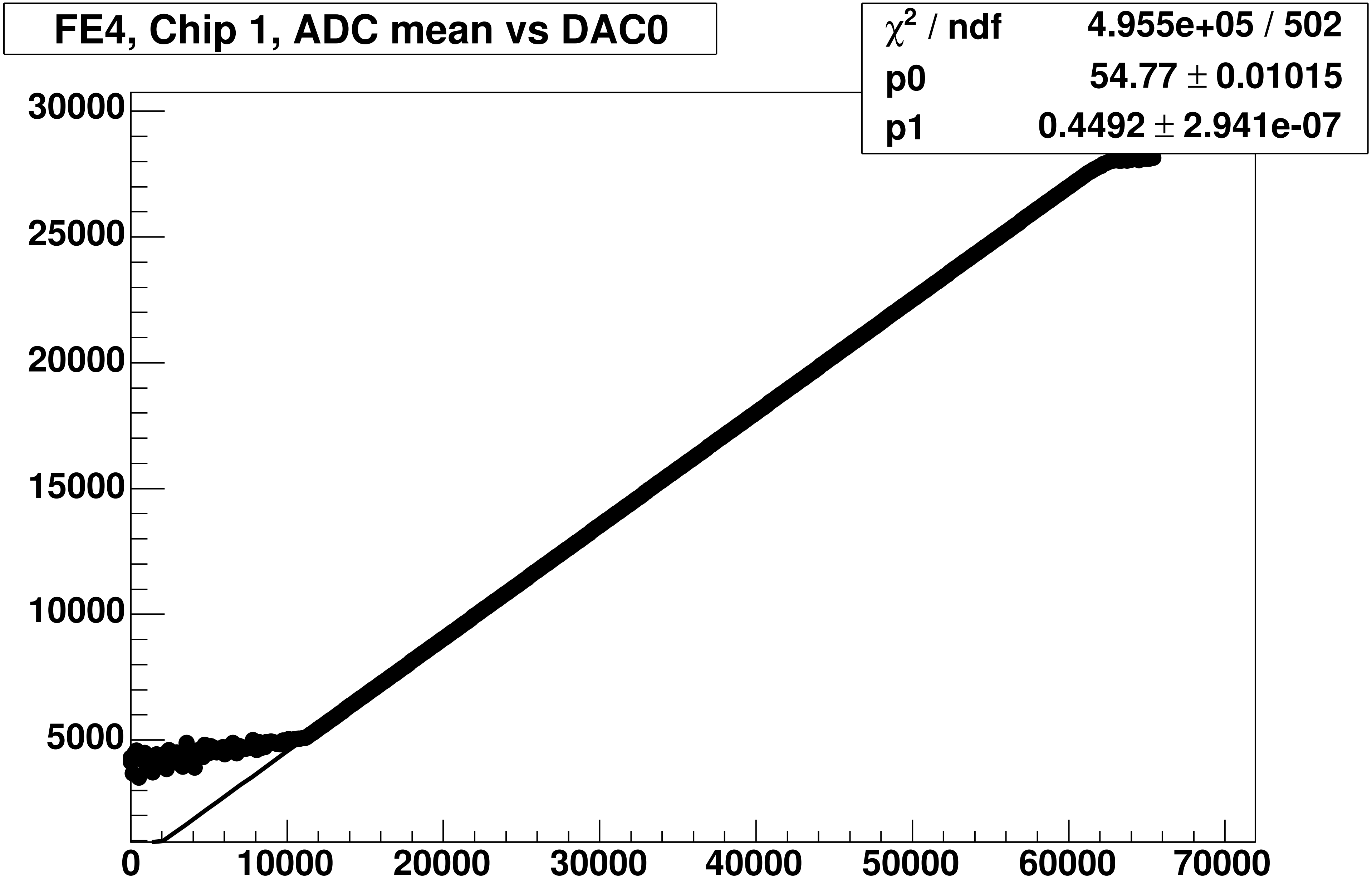
FE4, Chip 0, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

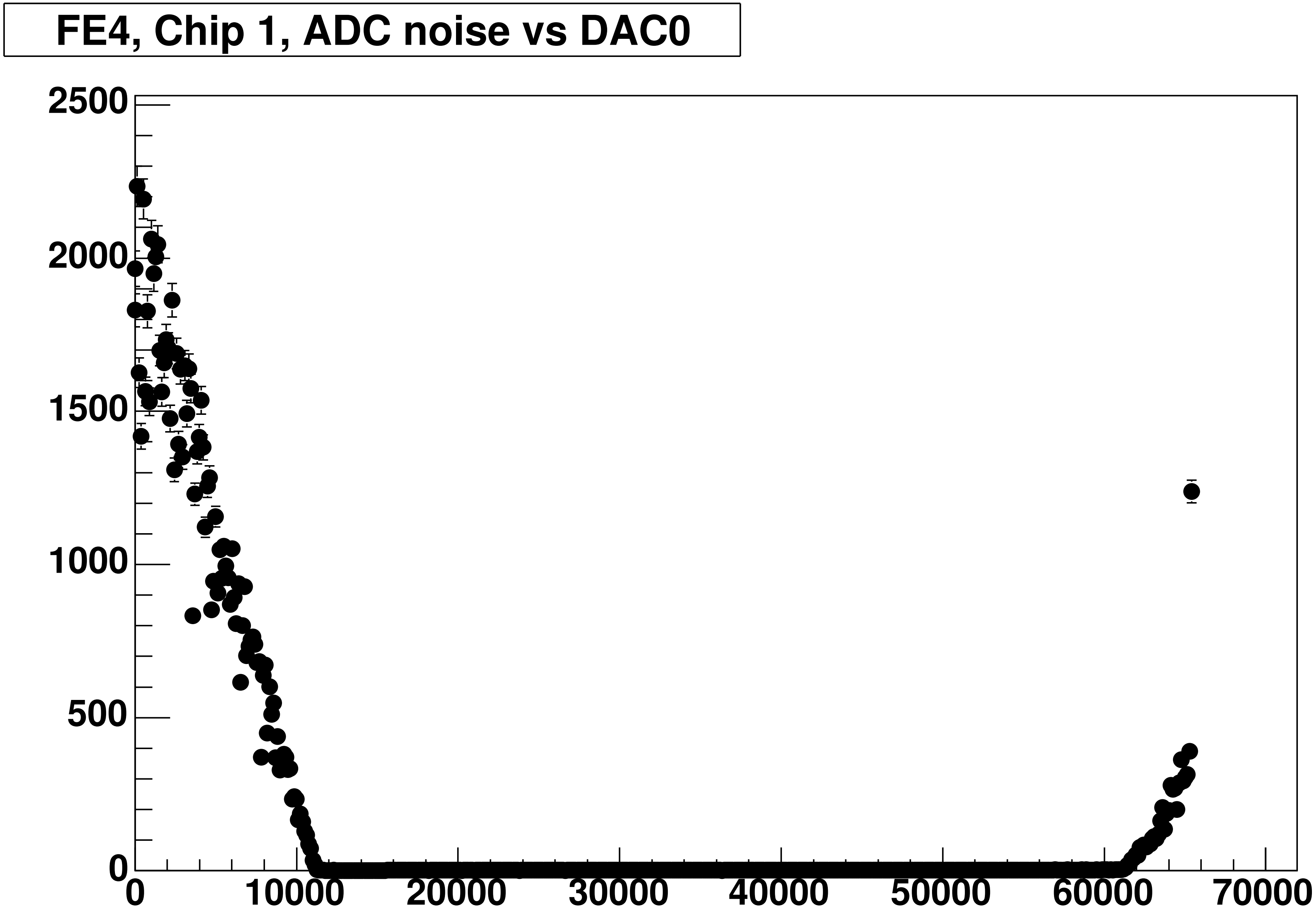

FE4, Chip 0, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

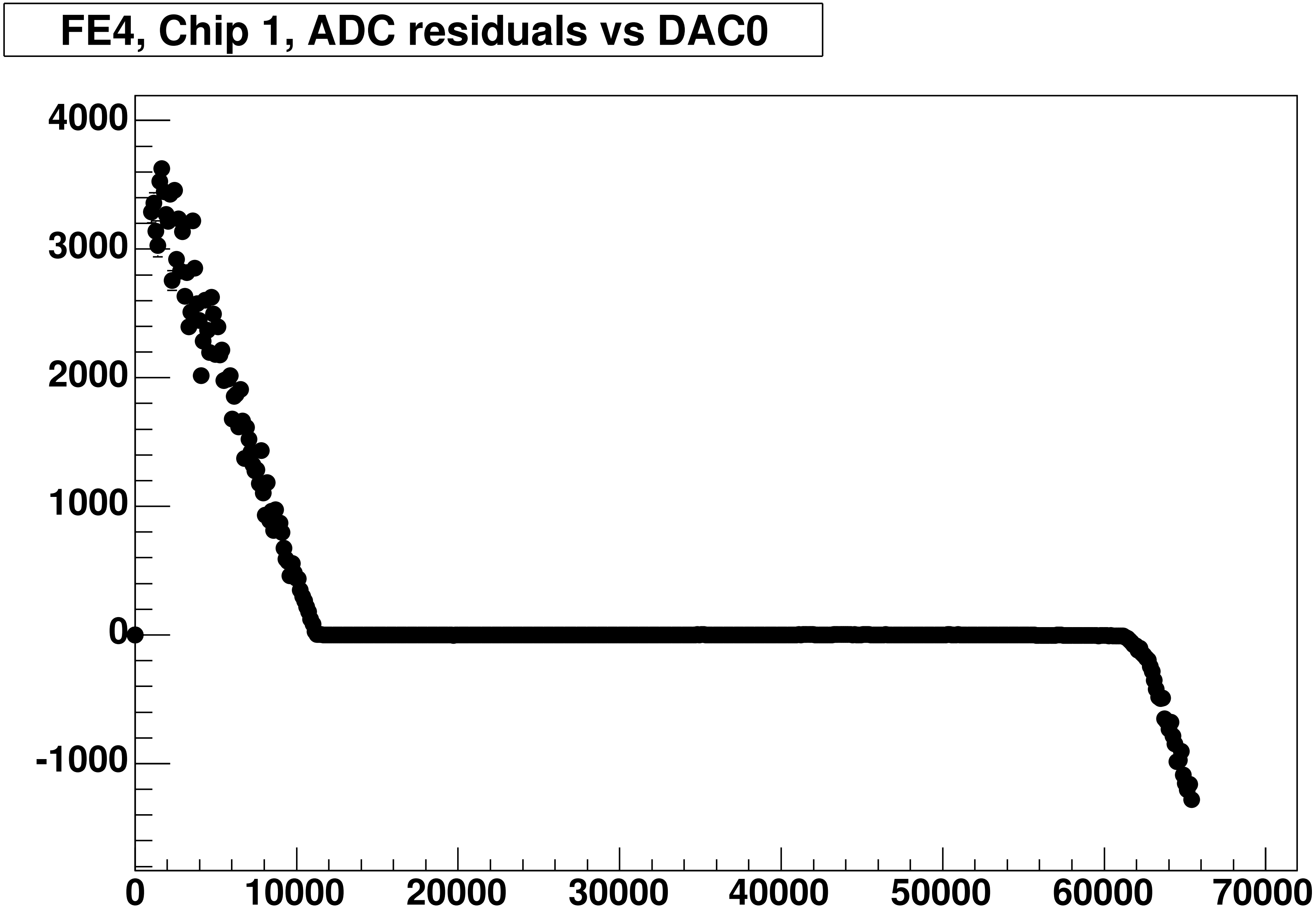

FE4, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4173 ± 7.319
p1 -0.001416 ± 0.0001929
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 0, ADC noise vs DAC1
1200
1400
1600
1800
2000
2200
2400
0
10000
20000
30000
40000
50000
60000
70000

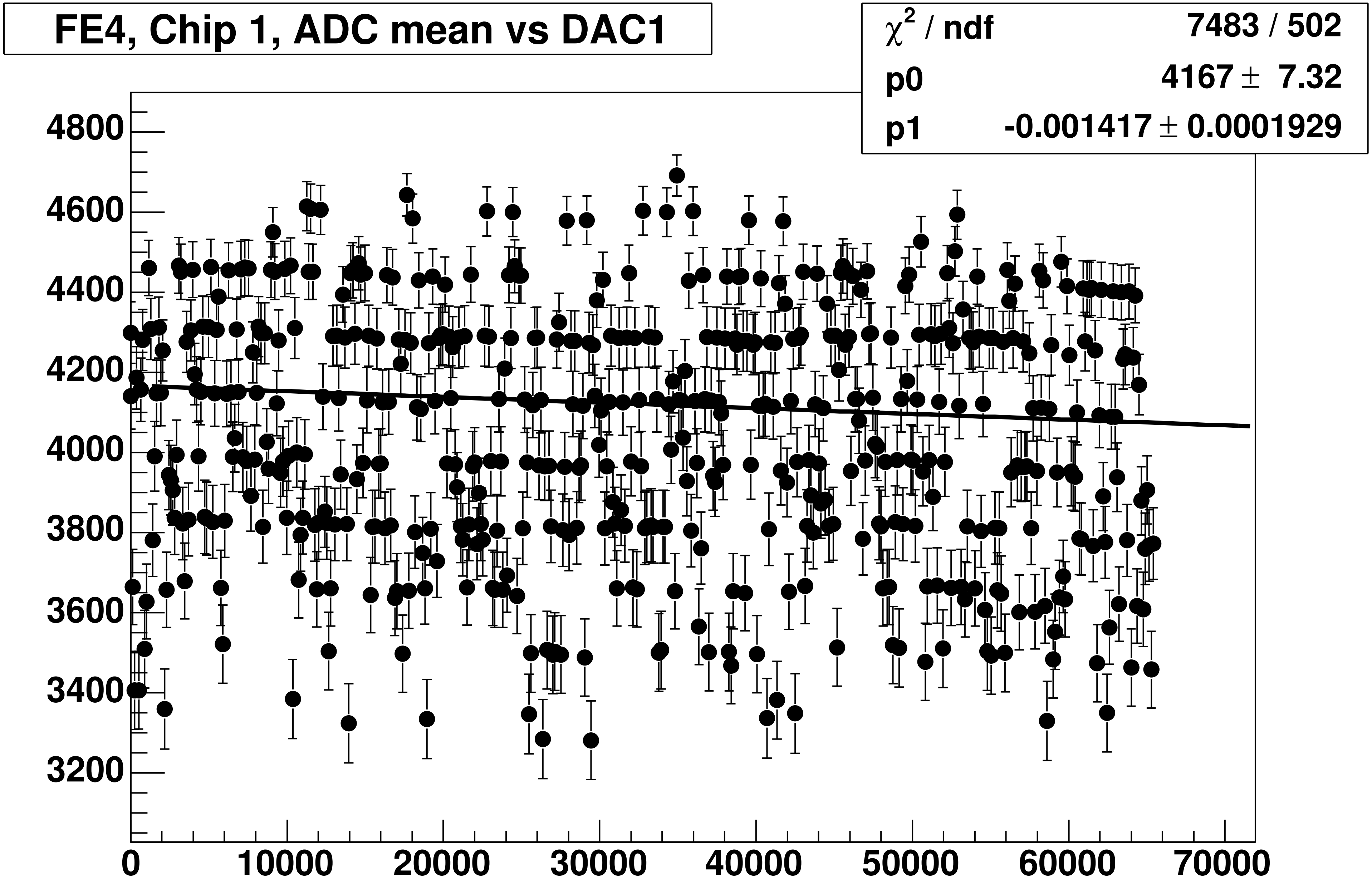

FE4, Chip 0, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

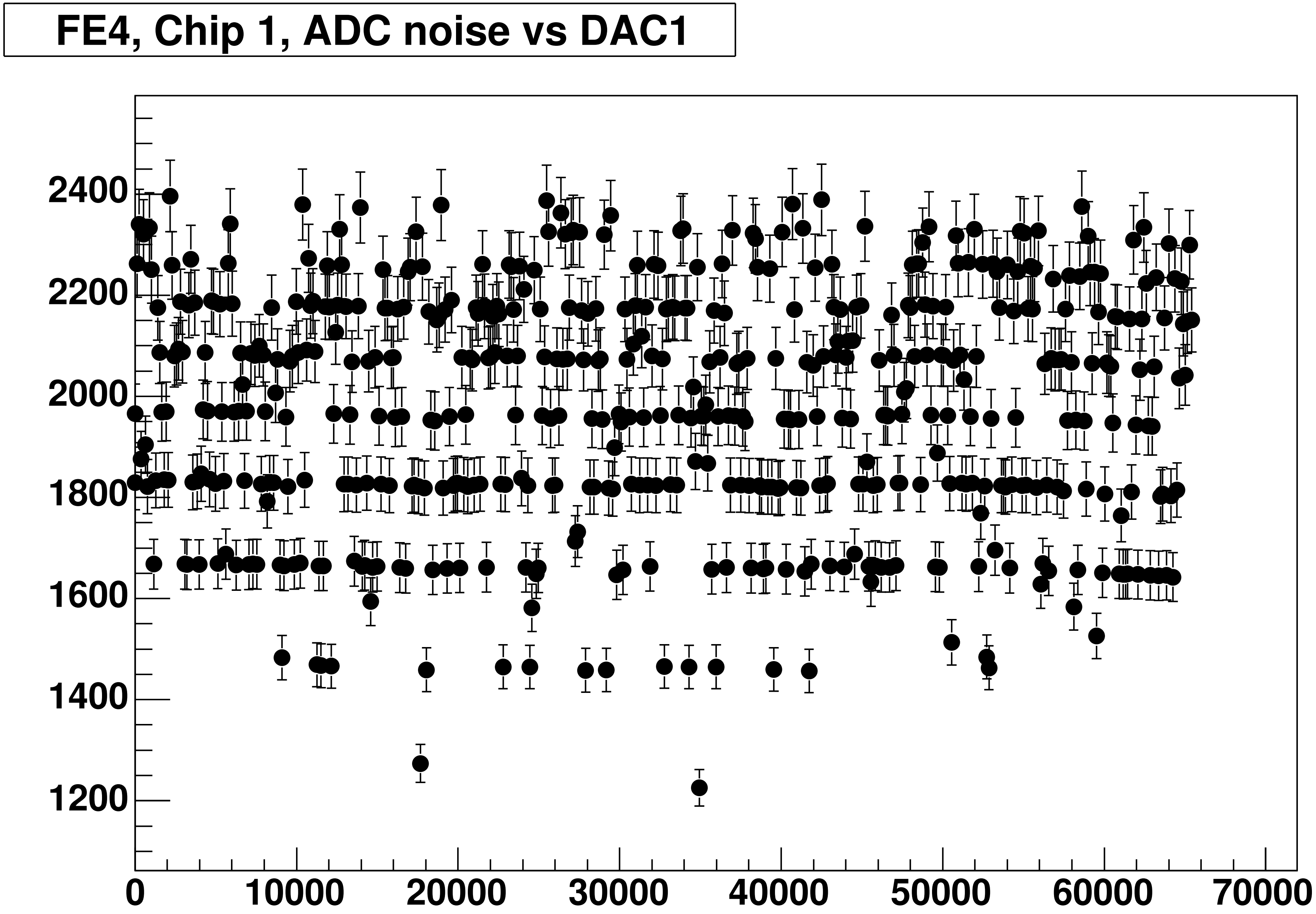

FE4, Chip 1, ADC mean vs DAC0
χ^2 / ndf 4.955e+05 / 502
p0 54.77 ± 0.01015
p1 0.4492 ± 2.941e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

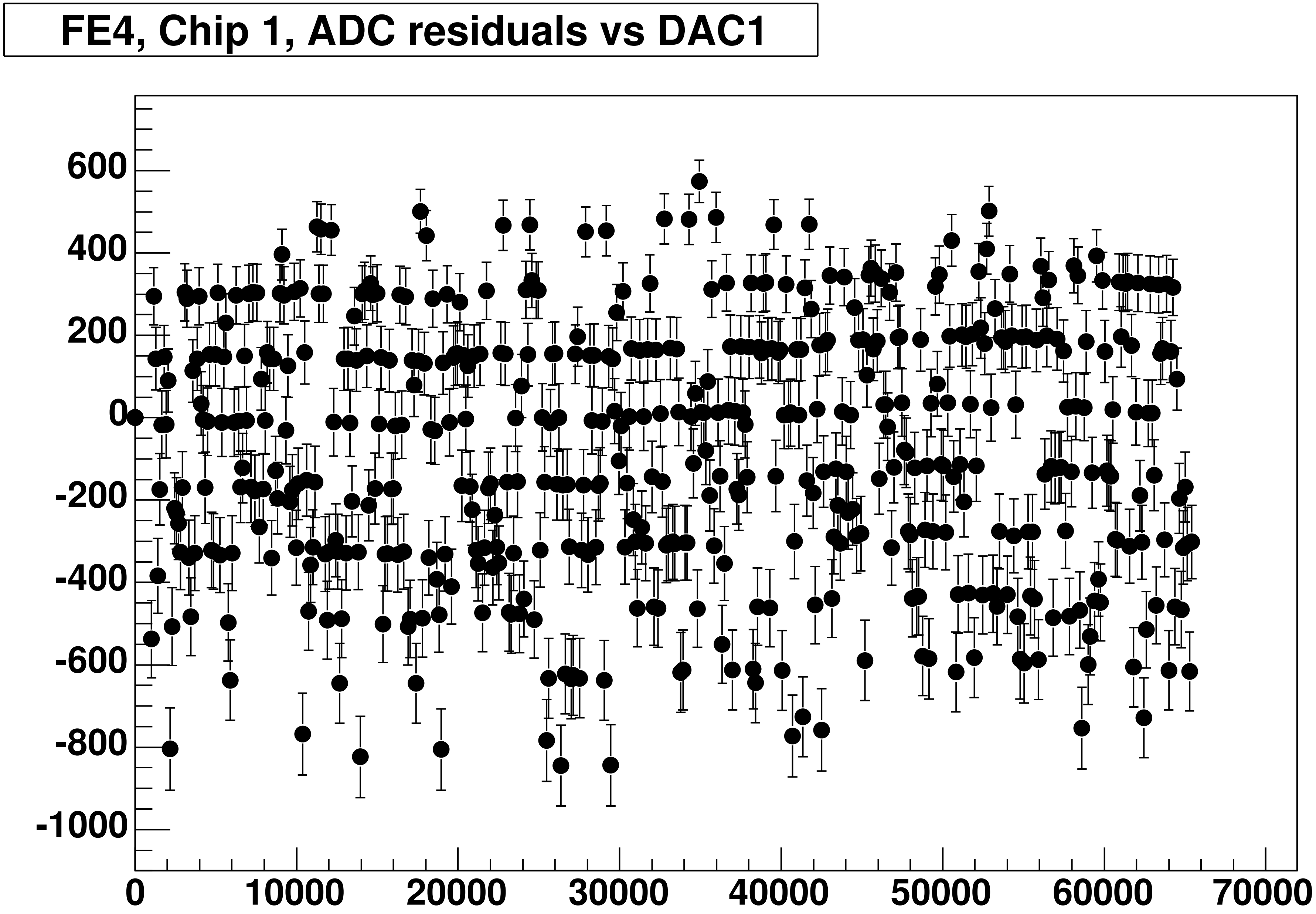

FE4, Chip 1, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

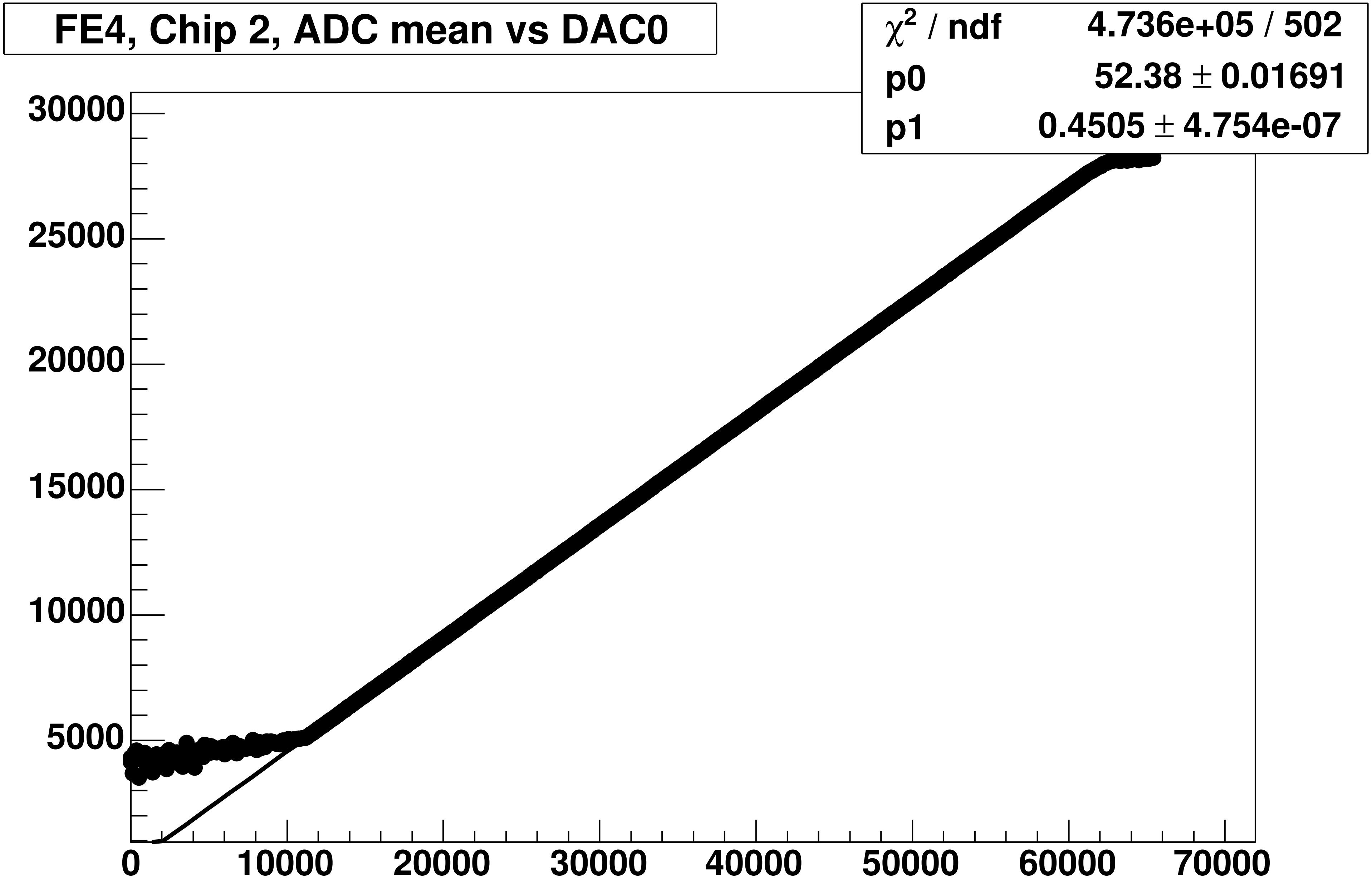


FE4, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

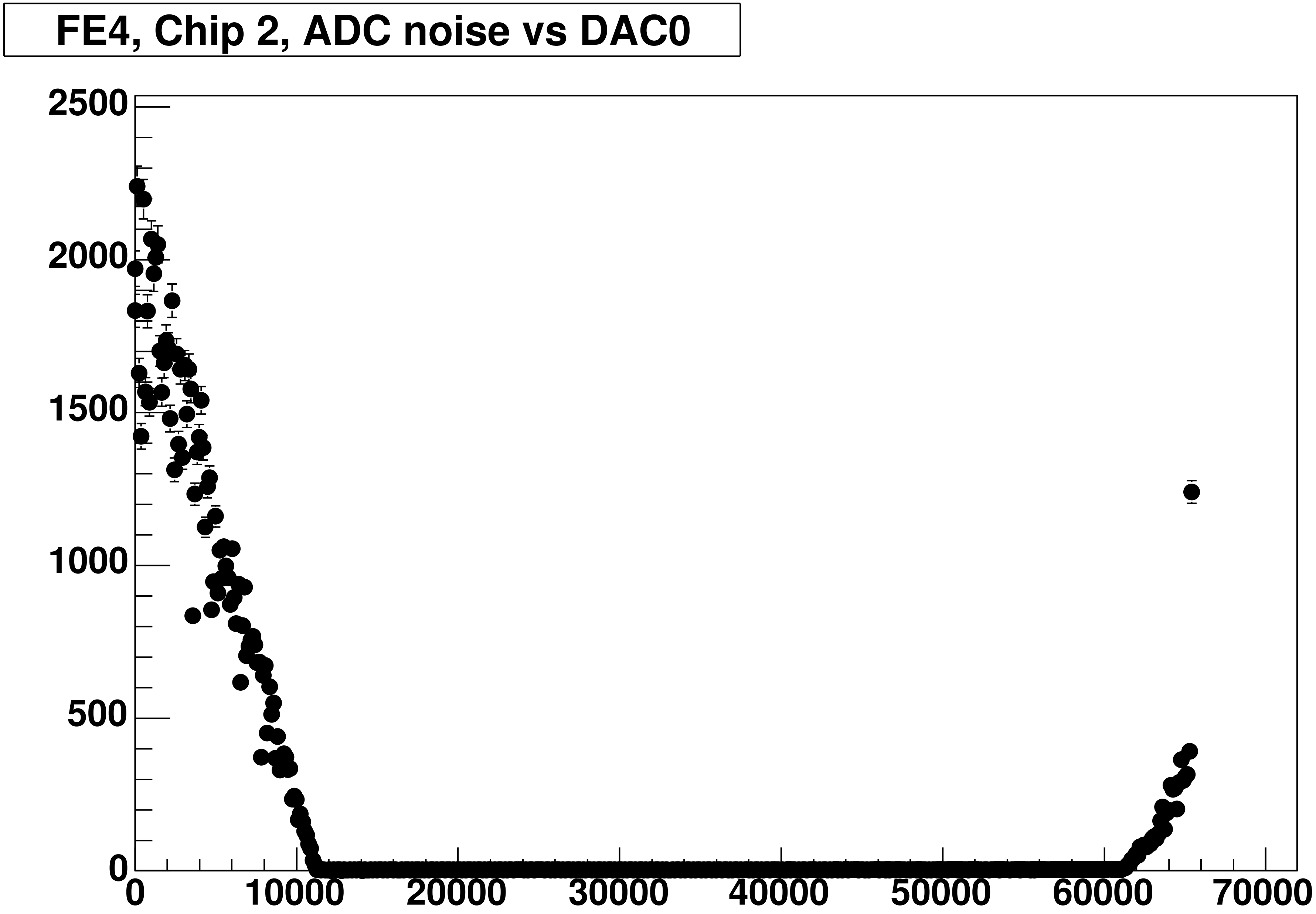

FE4, Chip 1, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4167 ± 7.32
p1 -0.001417 ± 0.0001929
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

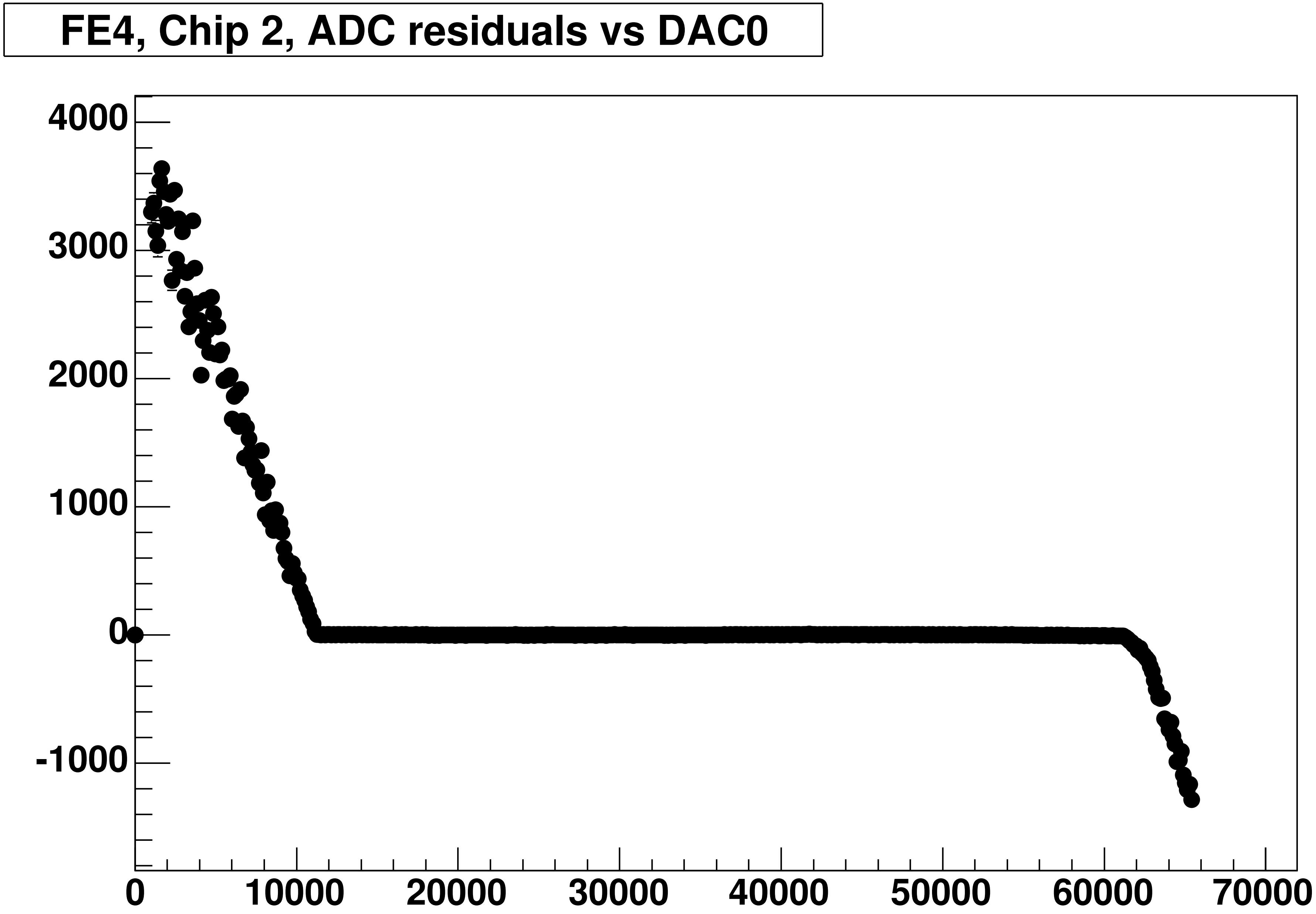

FE4, Chip 1, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

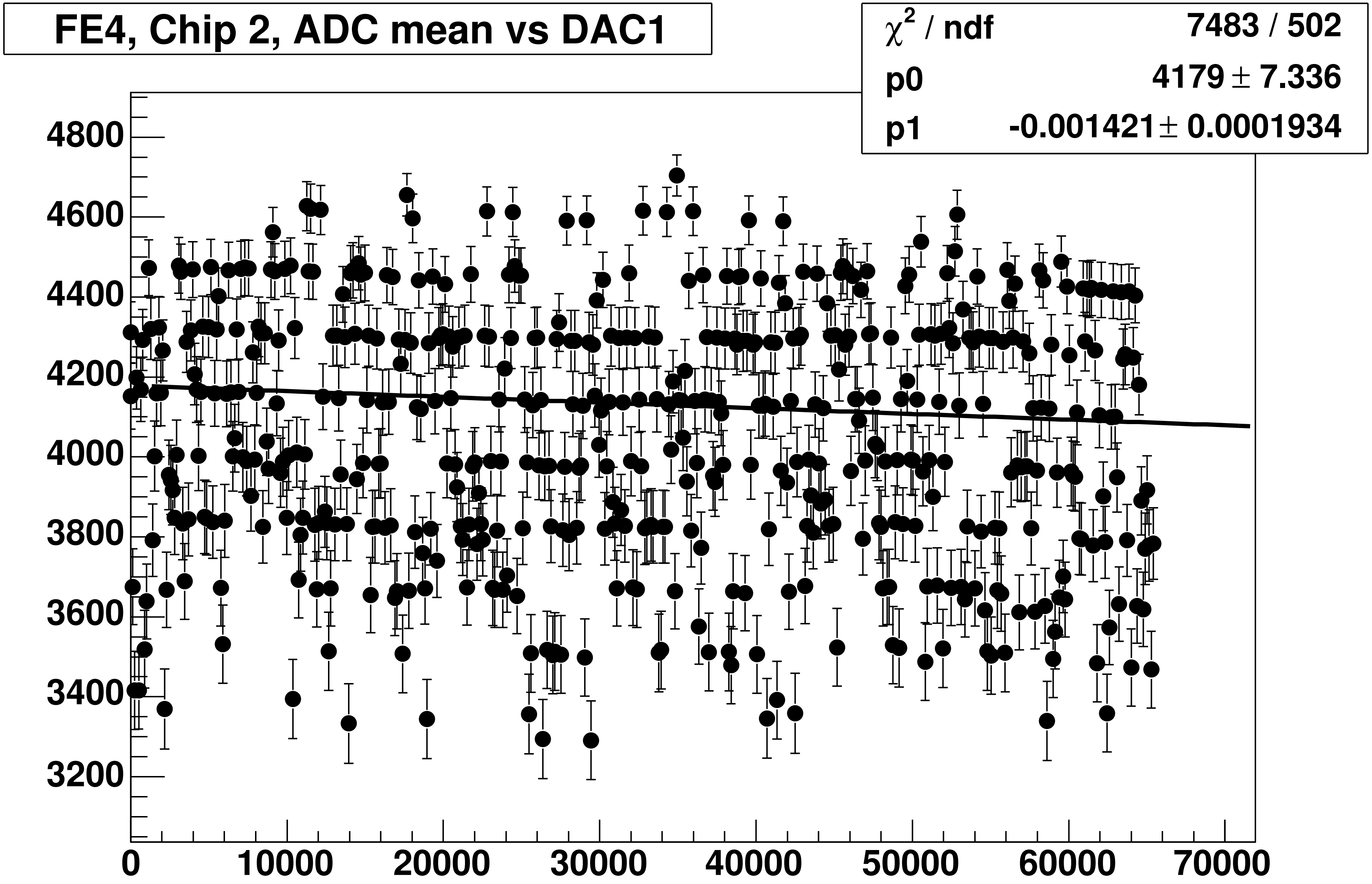

FE4, Chip 1, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

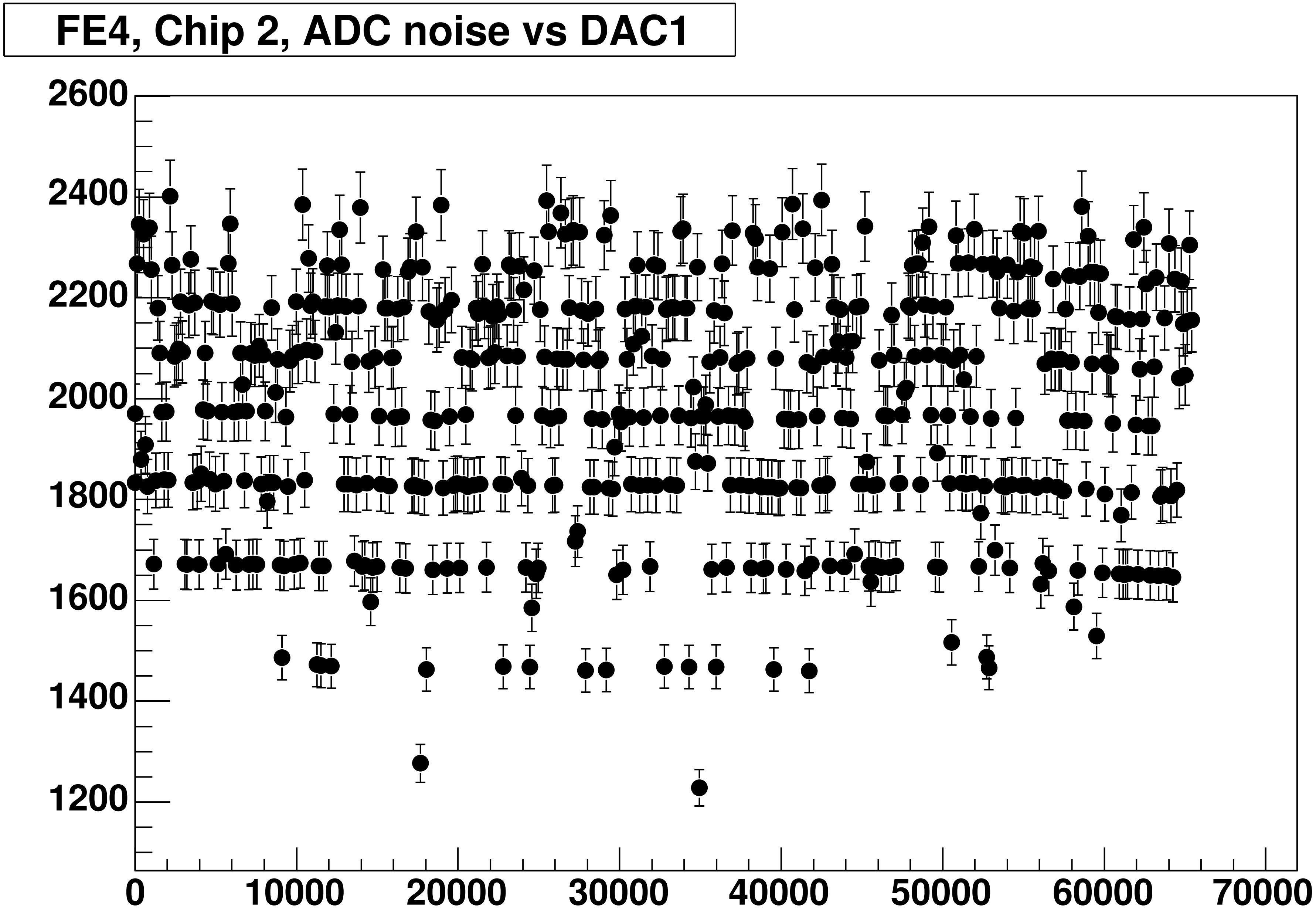


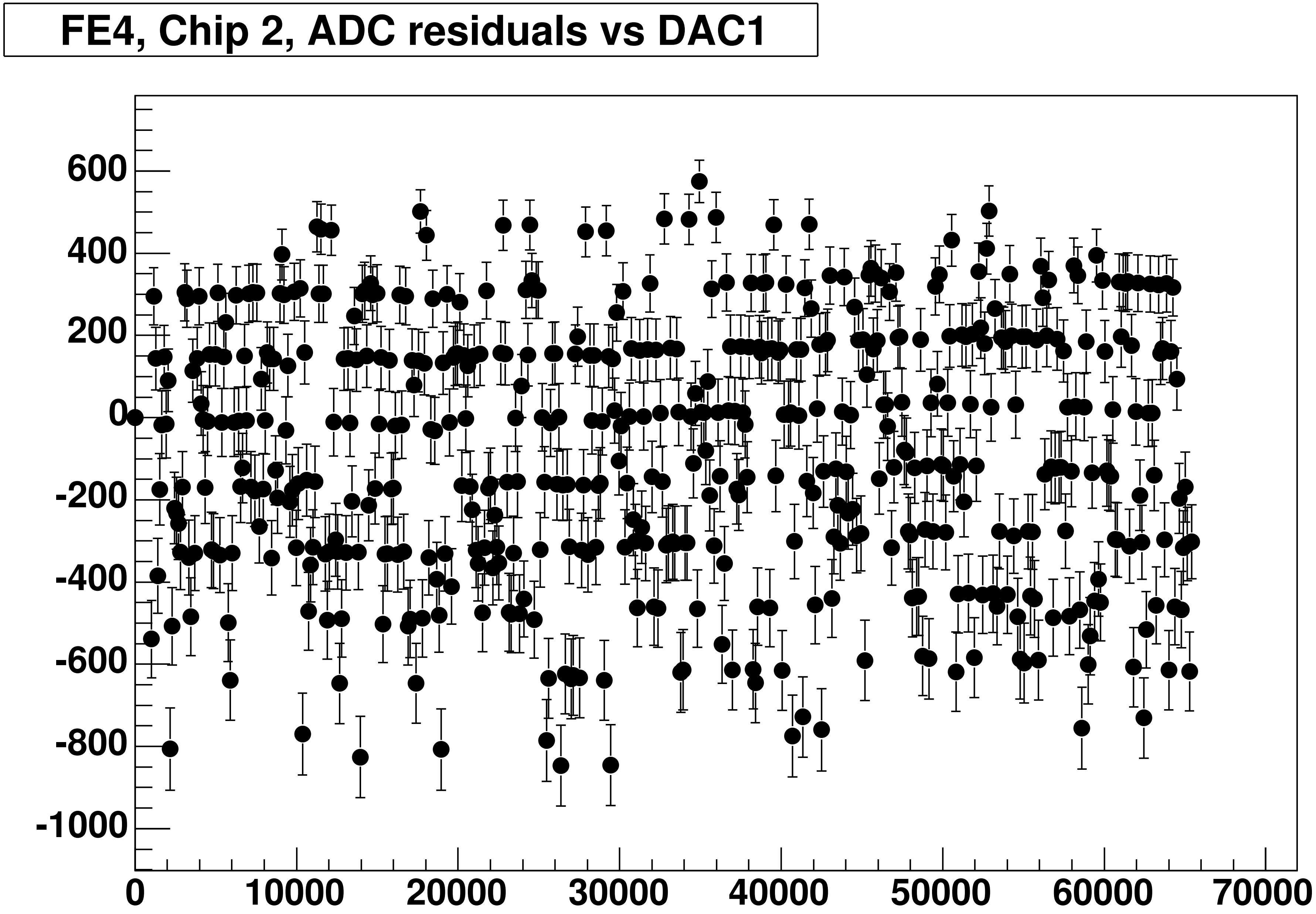
FE4, Chip 2, ADC mean vs DAC0
χ^2 / ndf 4.736e+05 / 502
p0 52.38 ± 0.01691
p1 0.4505 ± 4.754e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

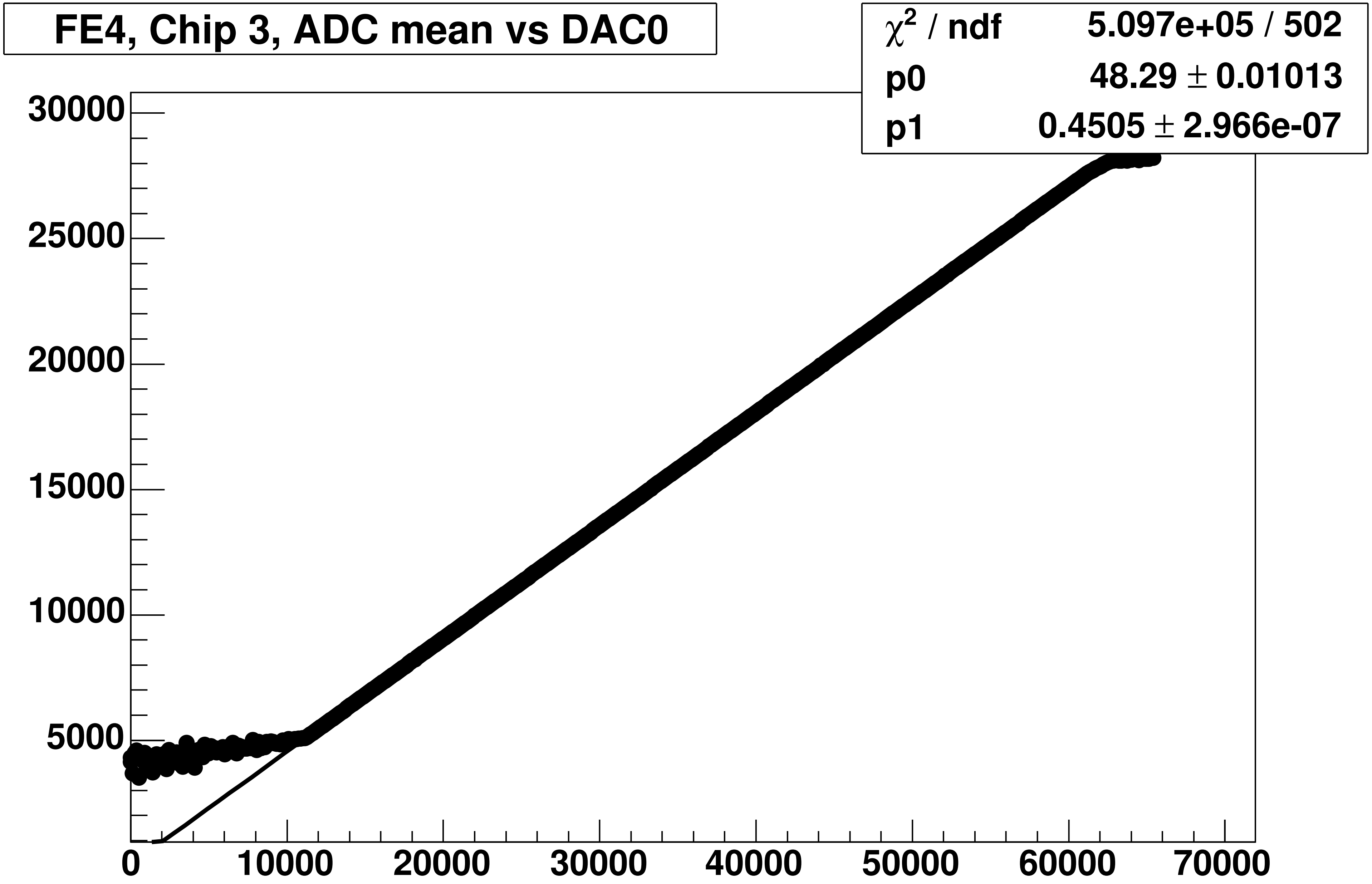

FE4, Chip 2, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

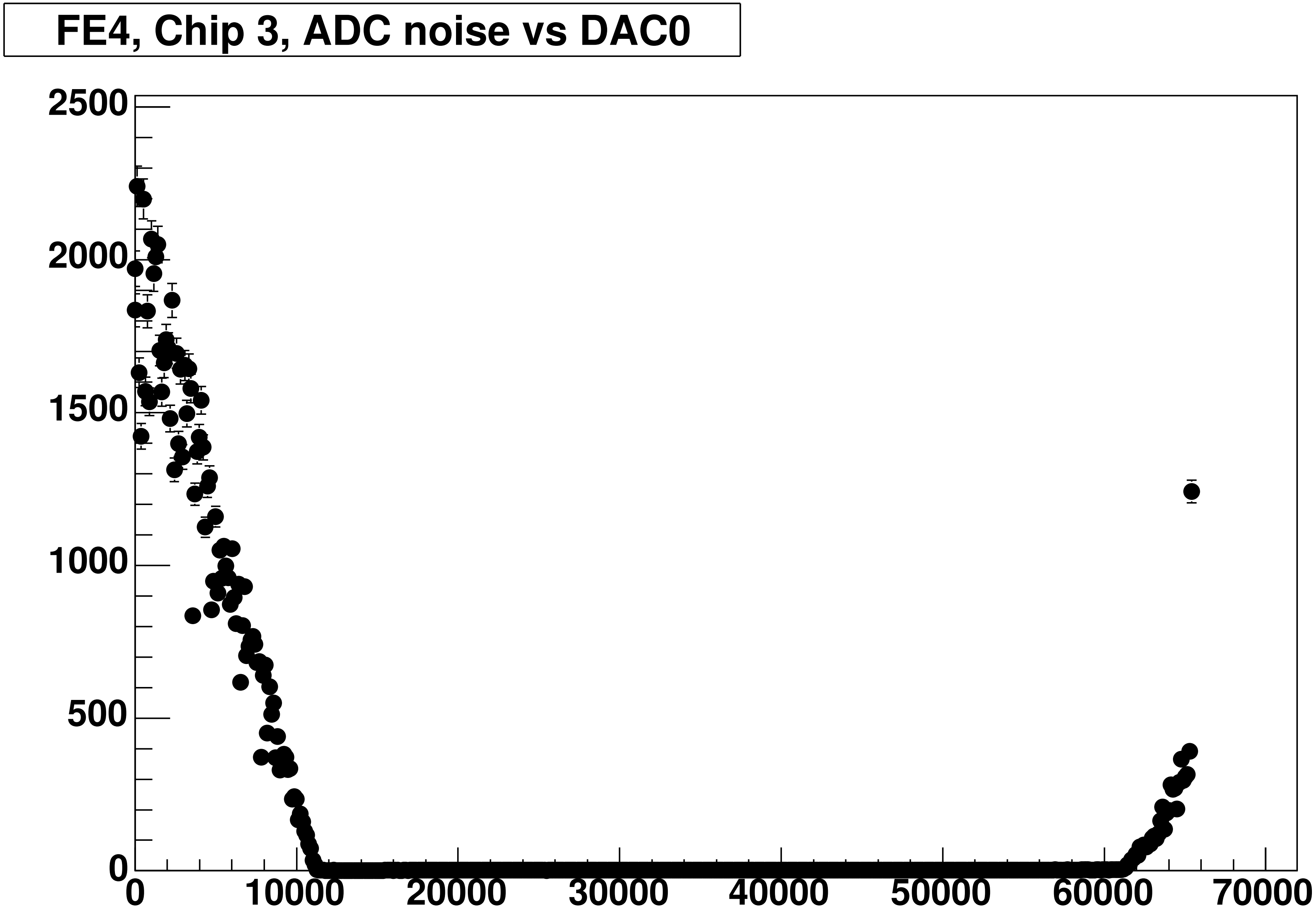

FE4, Chip 2, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 2, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4179 ± 7.336
p1 -0.001421 ± 0.0001934
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

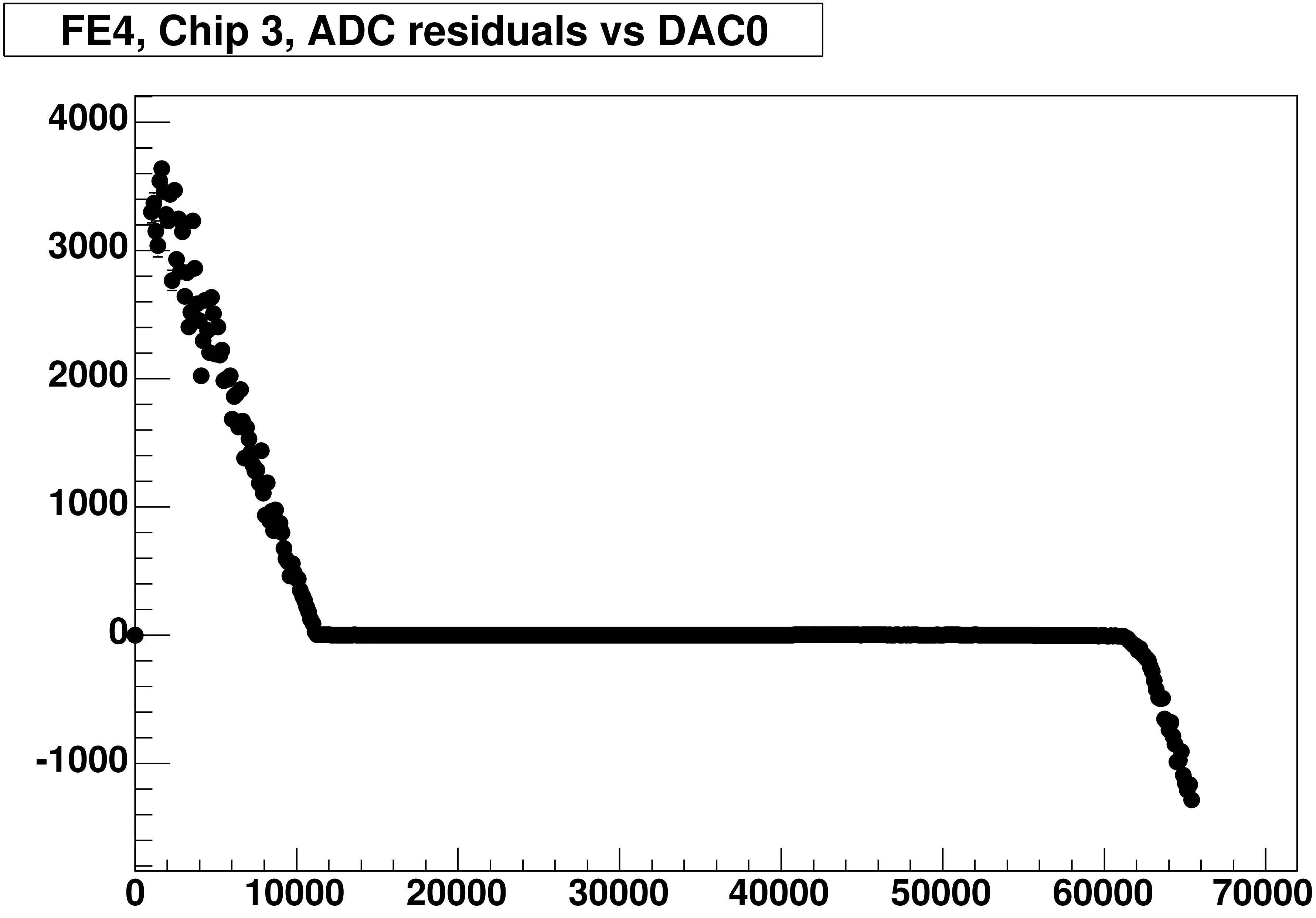

FE4, Chip 2, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

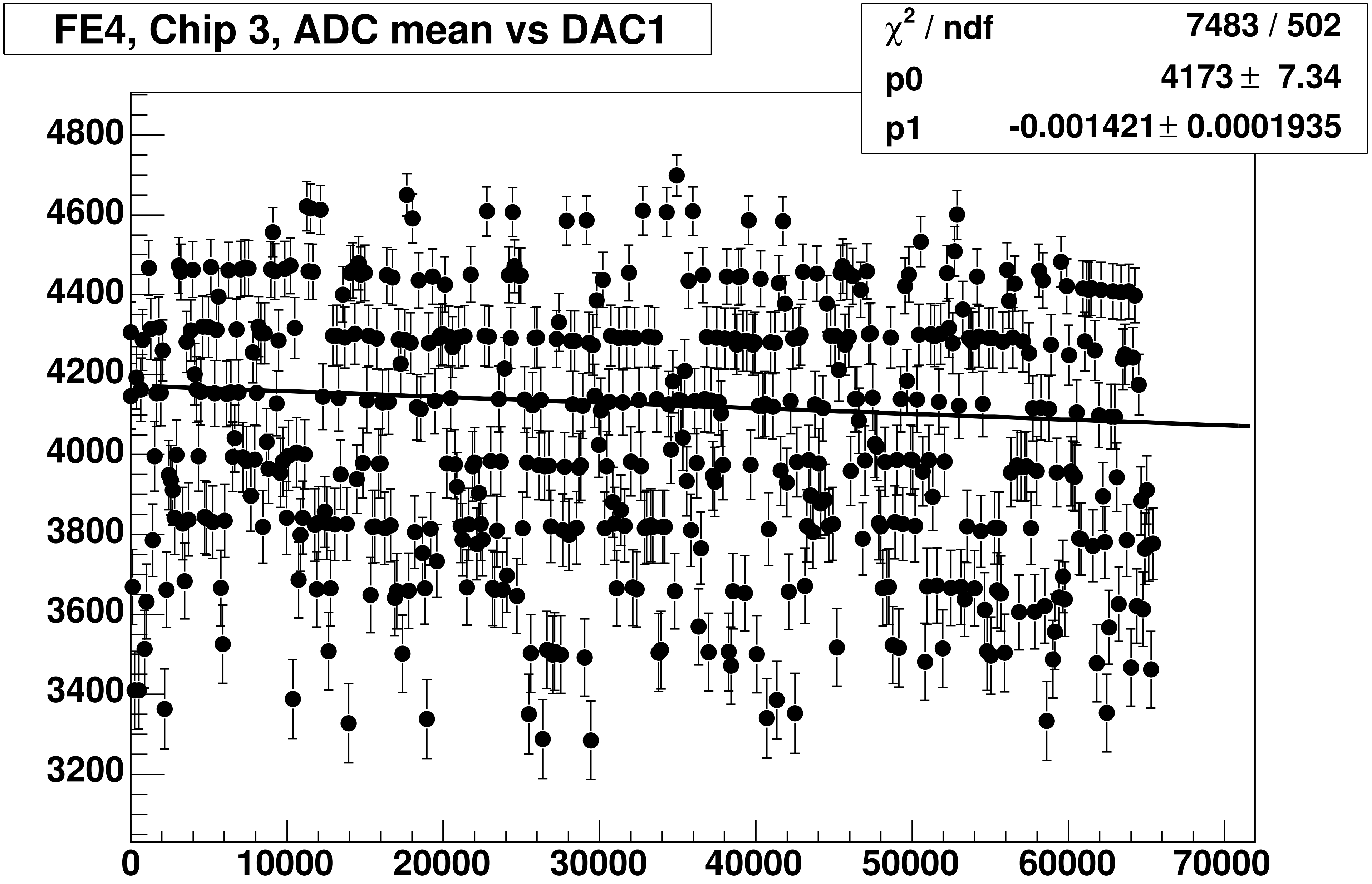

FE4, Chip 2, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

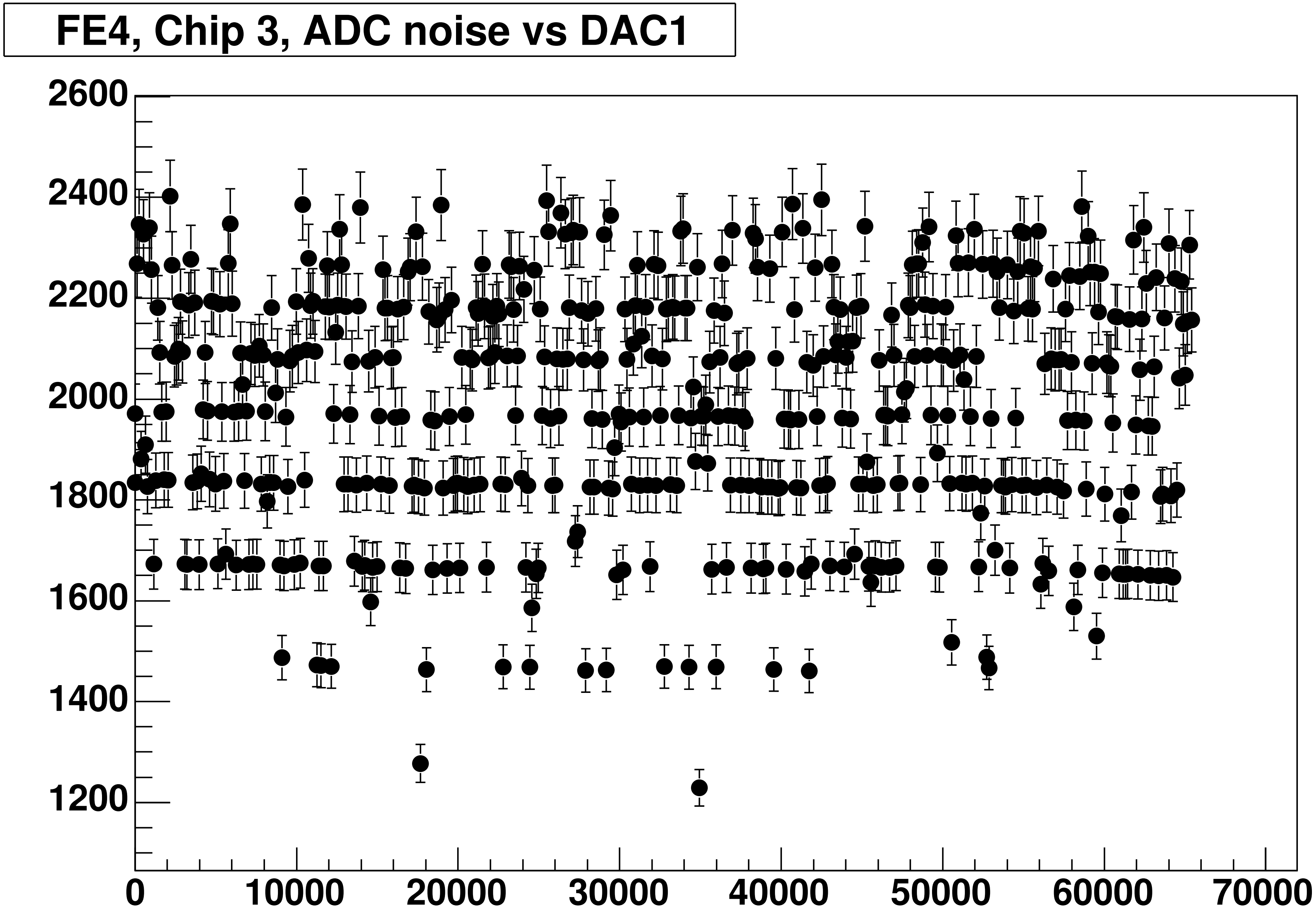

FE4, Chip 3, ADC mean vs DAC0
χ^2 / ndf 5.097e+05 / 502
p0 48.29 ± 0.01013
p1 0.4505 ± 2.966e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000



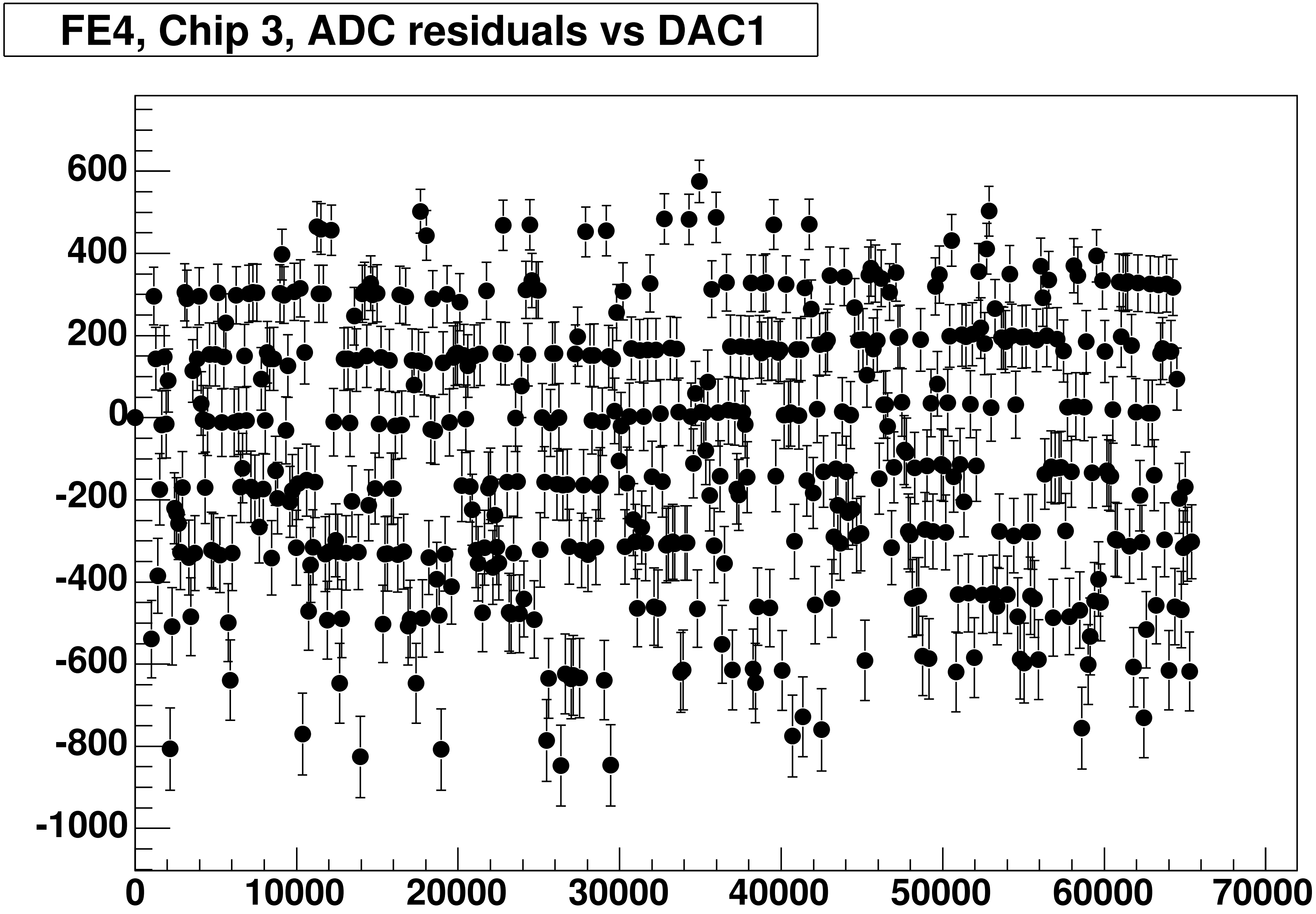
FE4, Chip 3, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

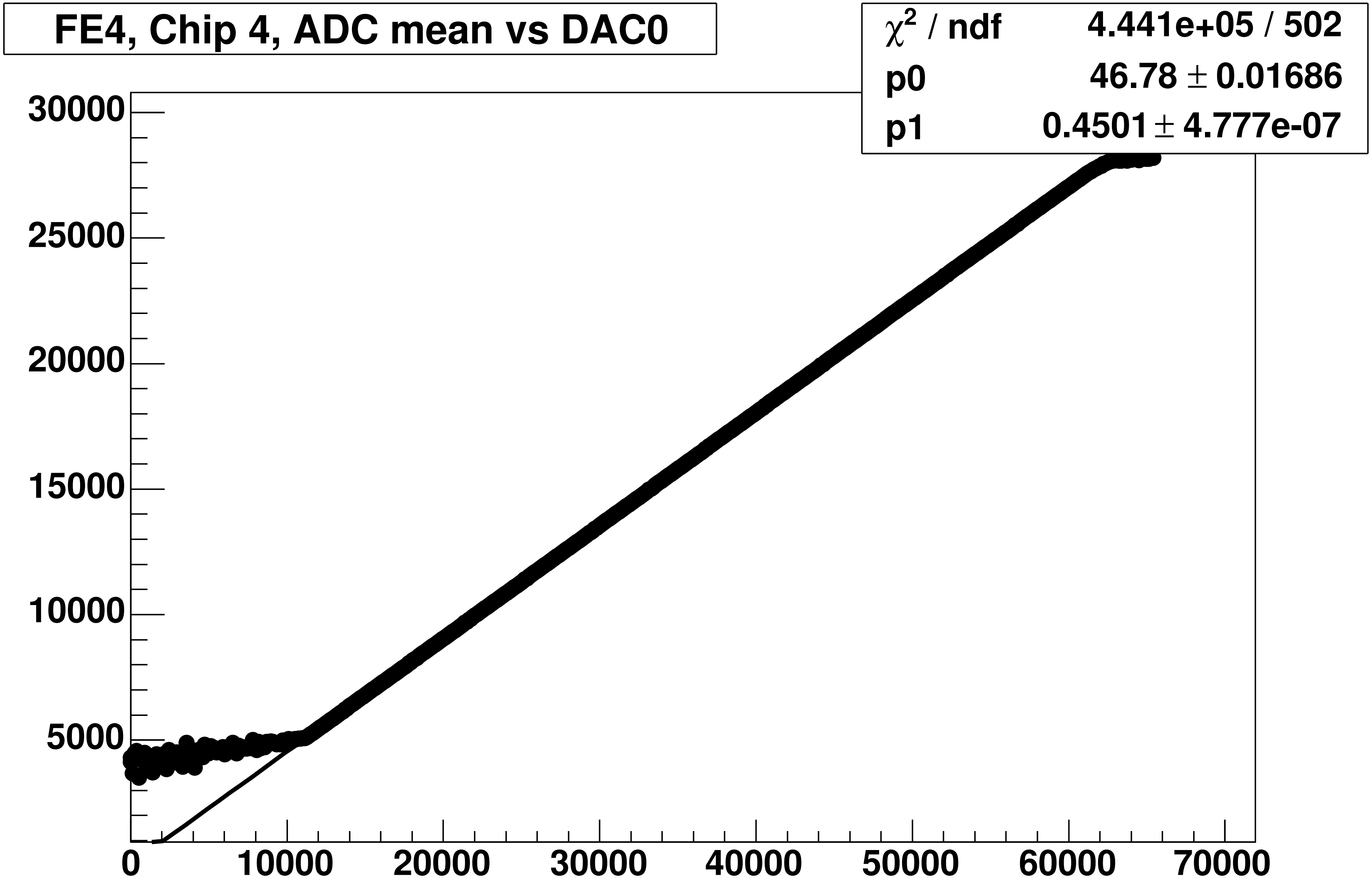

FE4, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 3, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4173 ± 7.34
p1 -0.001421 ± 0.0001935
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

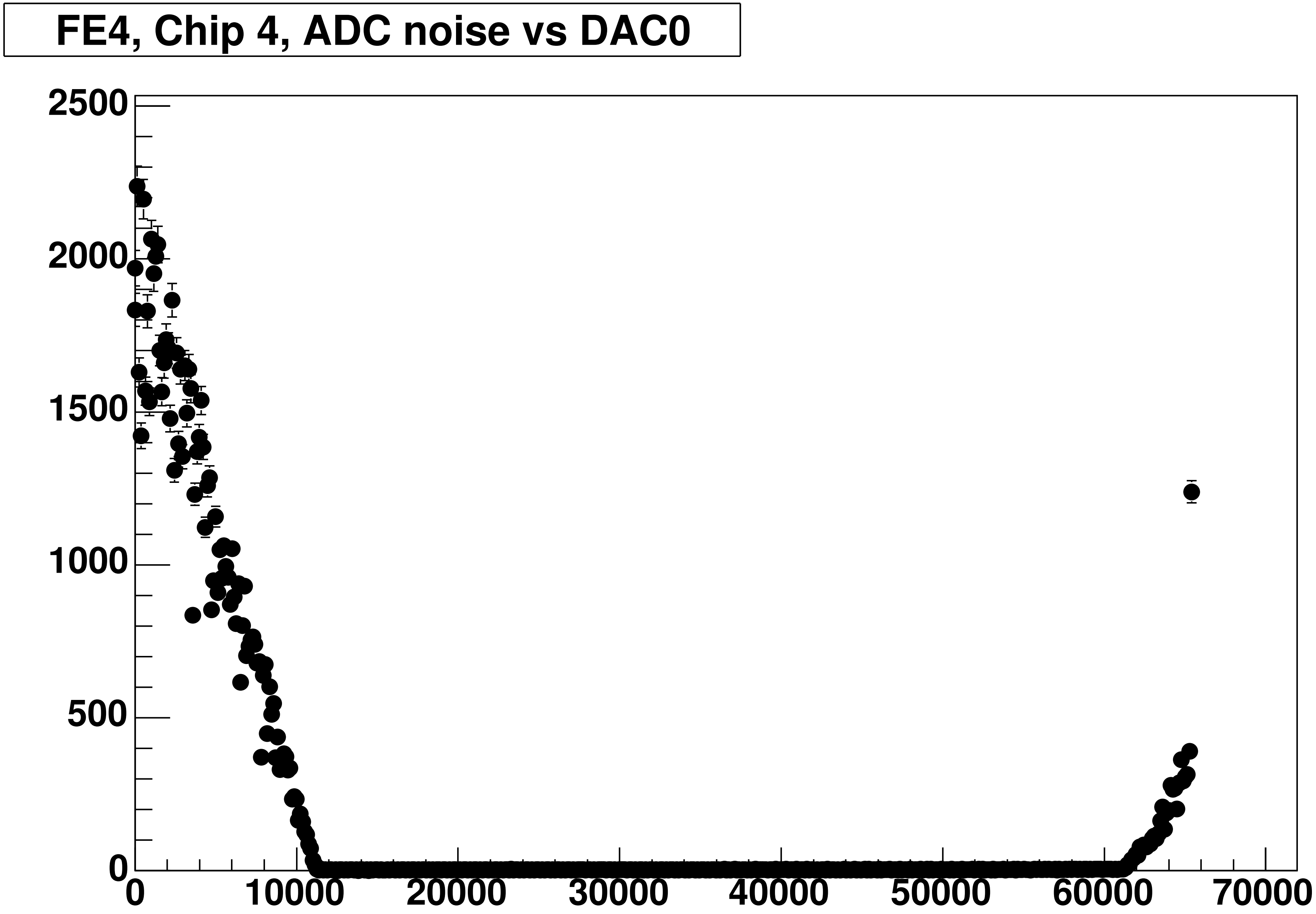


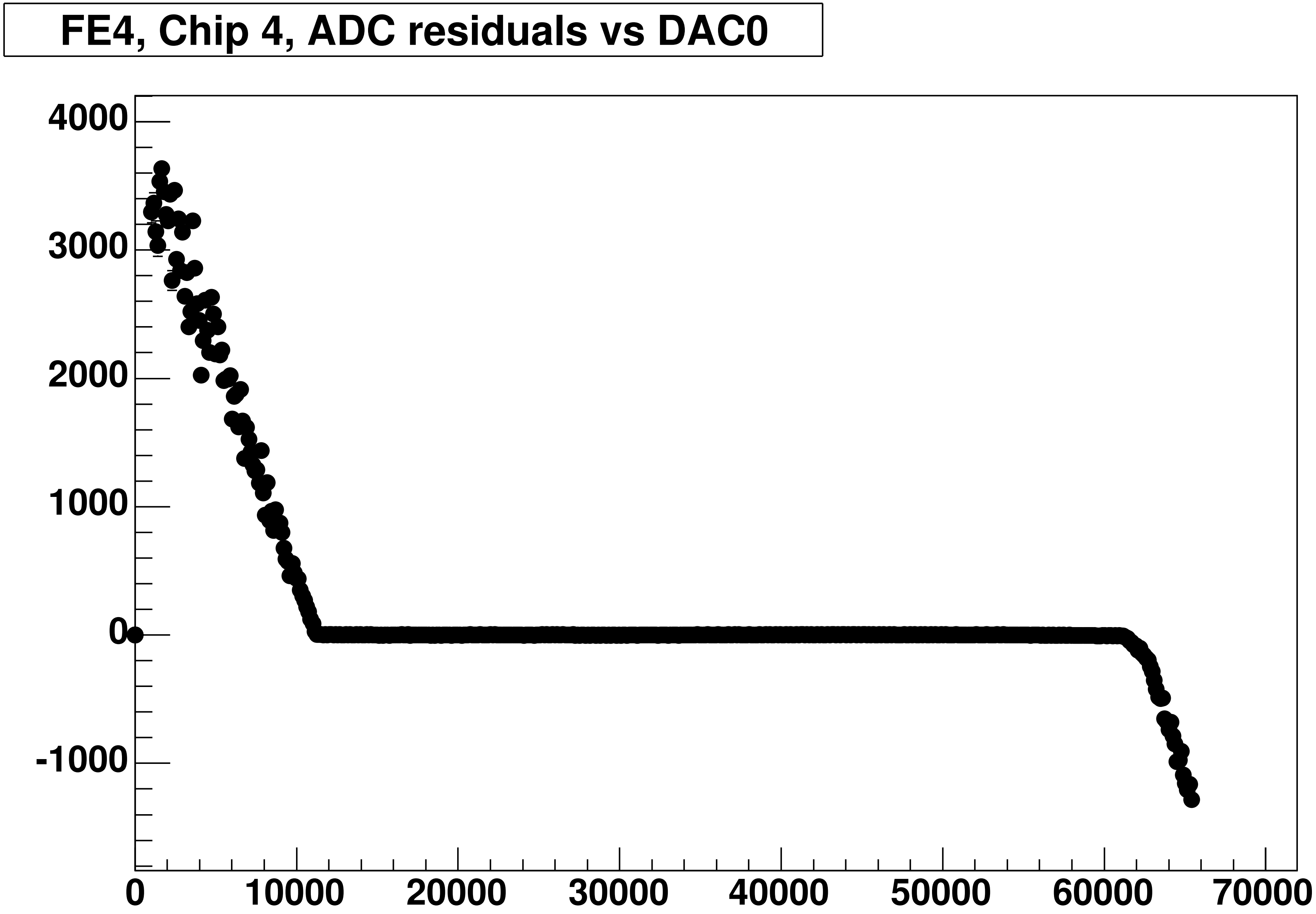
FE4, Chip 3, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 3, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

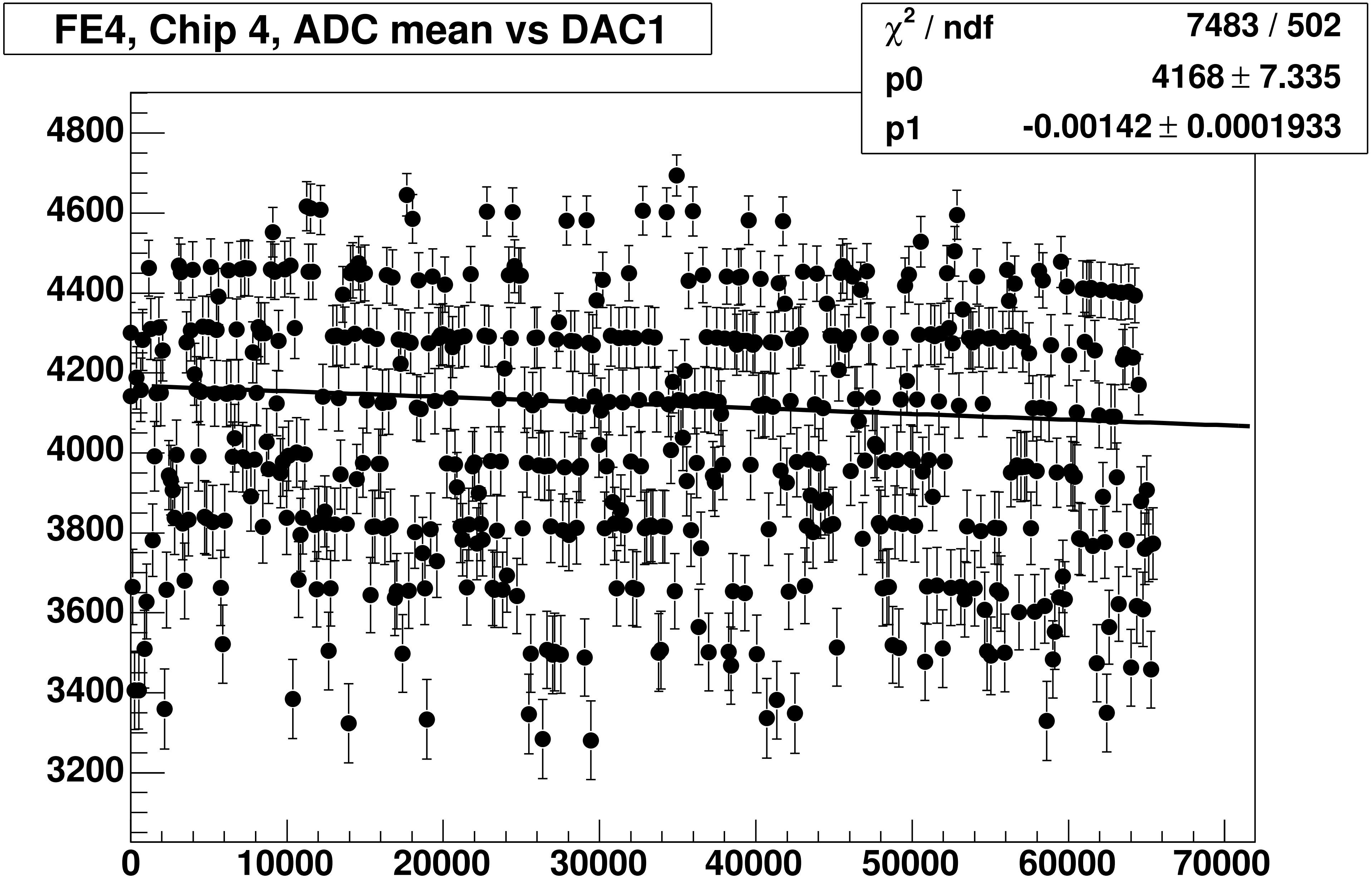


FE4, Chip 4, ADC mean vs DAC0
χ2 / ndf 4.441e+05 / 502
p0 46.78 ± 0.01686
p1 0.4501 ± 4.777e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

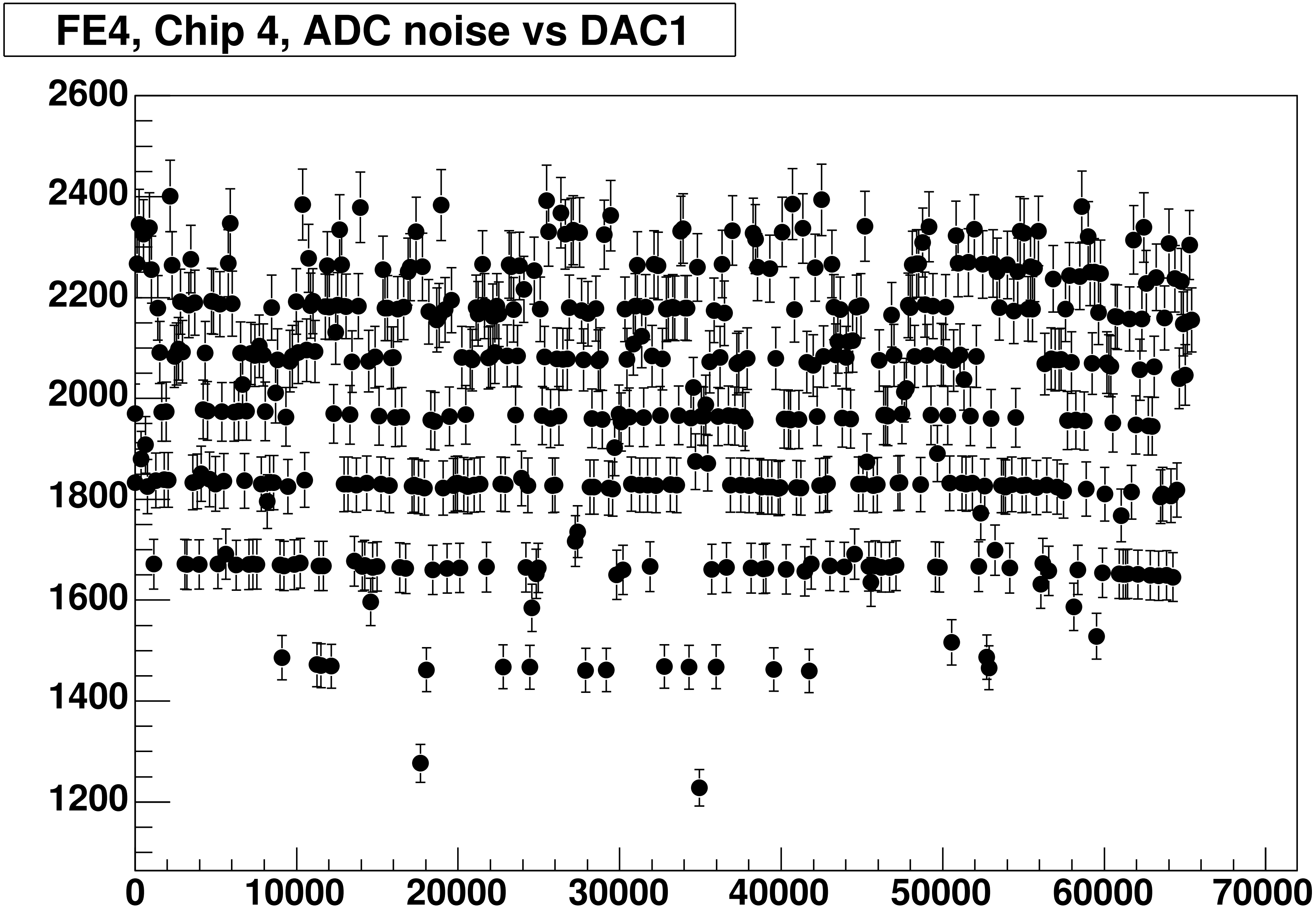

FE4, Chip 4, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000



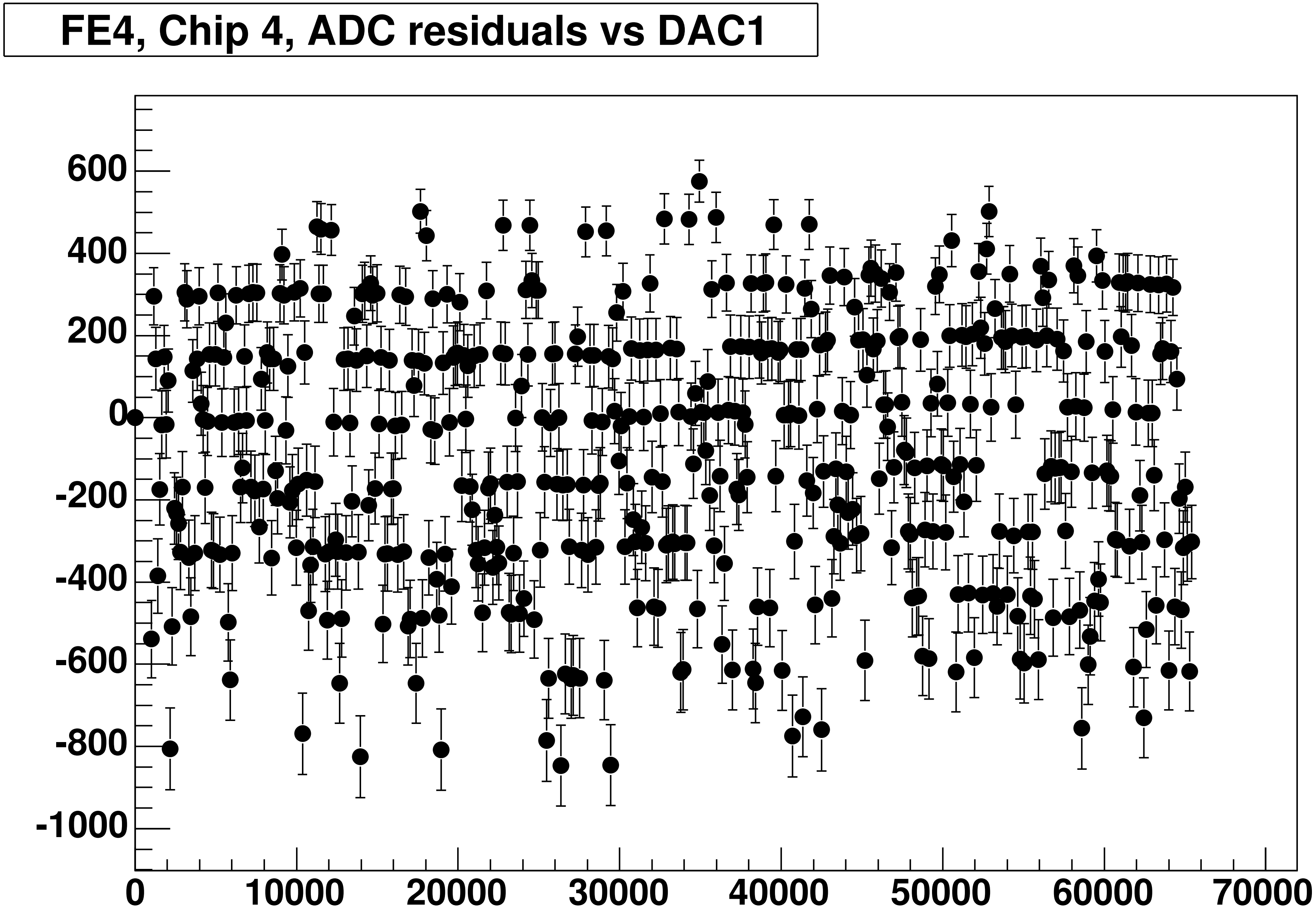
FE4, Chip 4, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

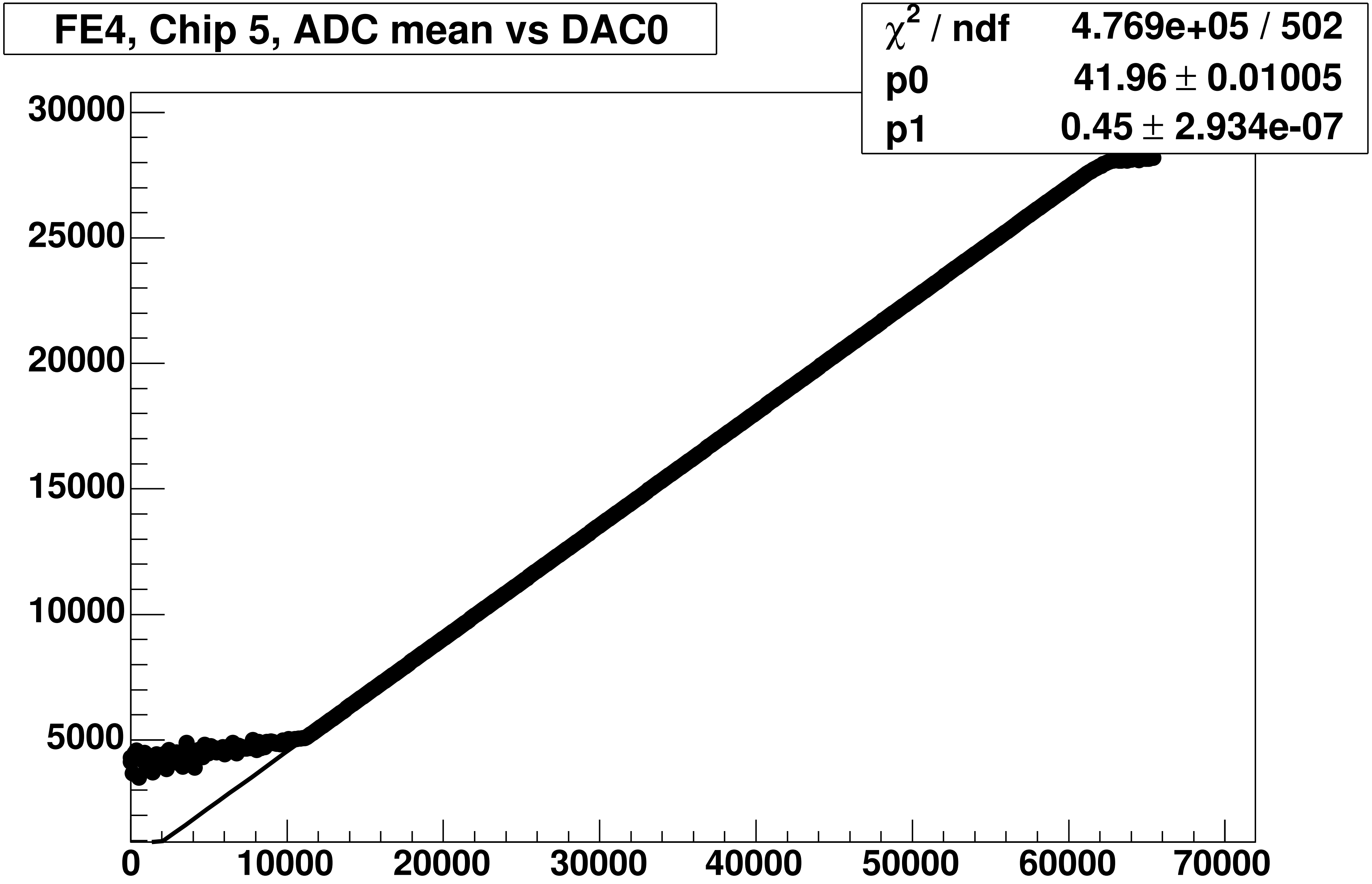


FE4, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4168 ± 7.335
p1 -0.00142 ± 0.0001933
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

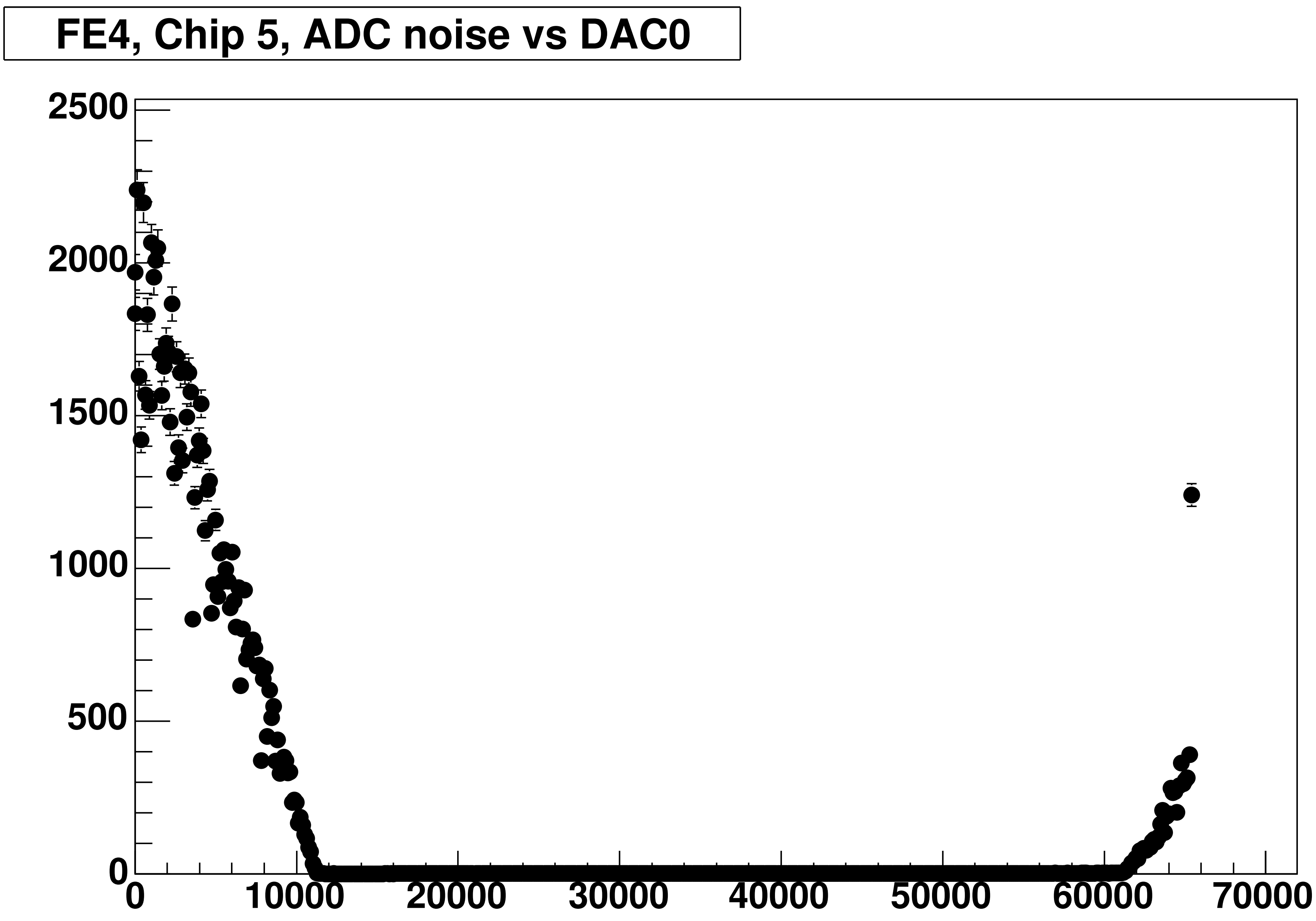


FE4, Chip 4, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

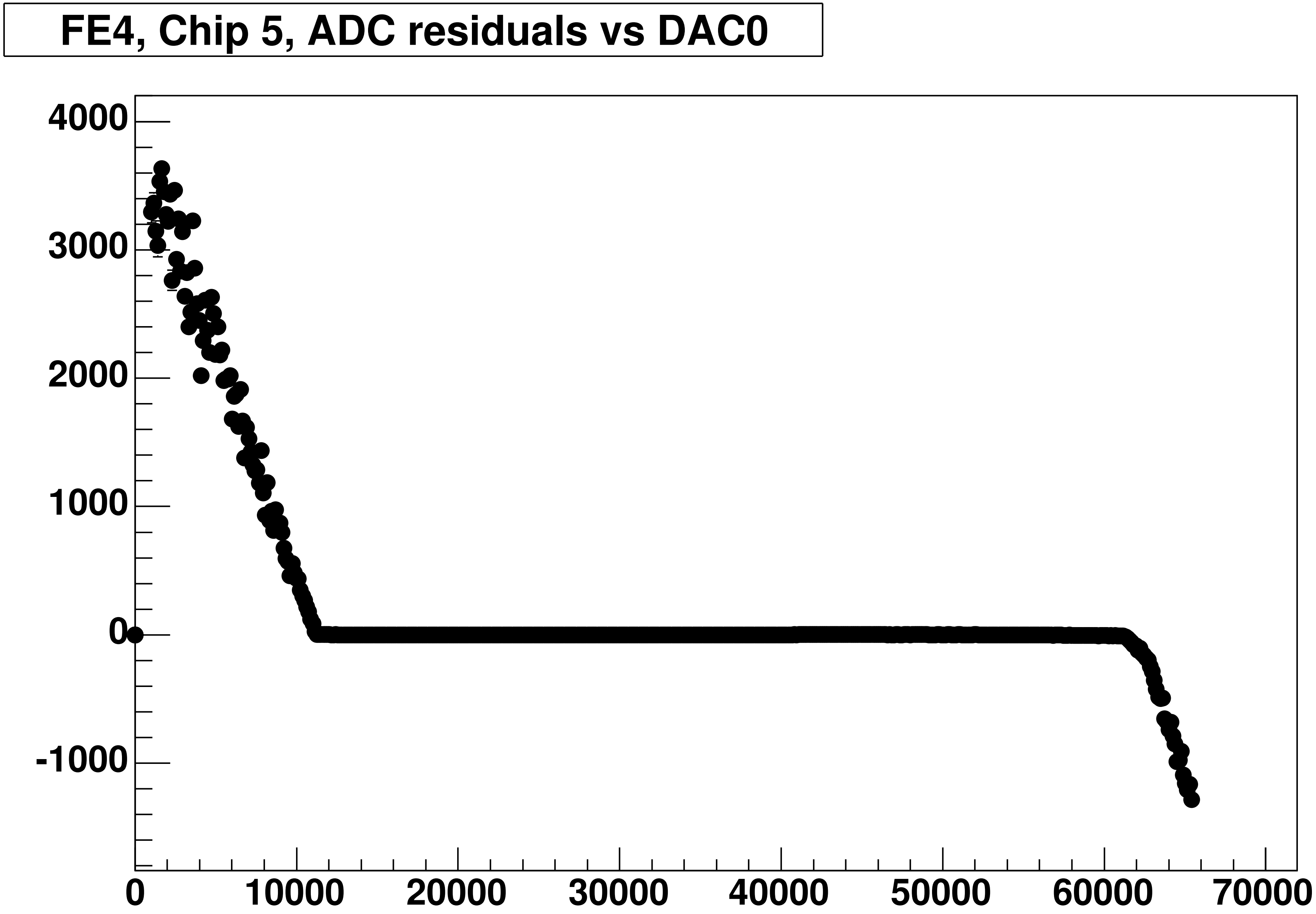

FE4, Chip 4, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

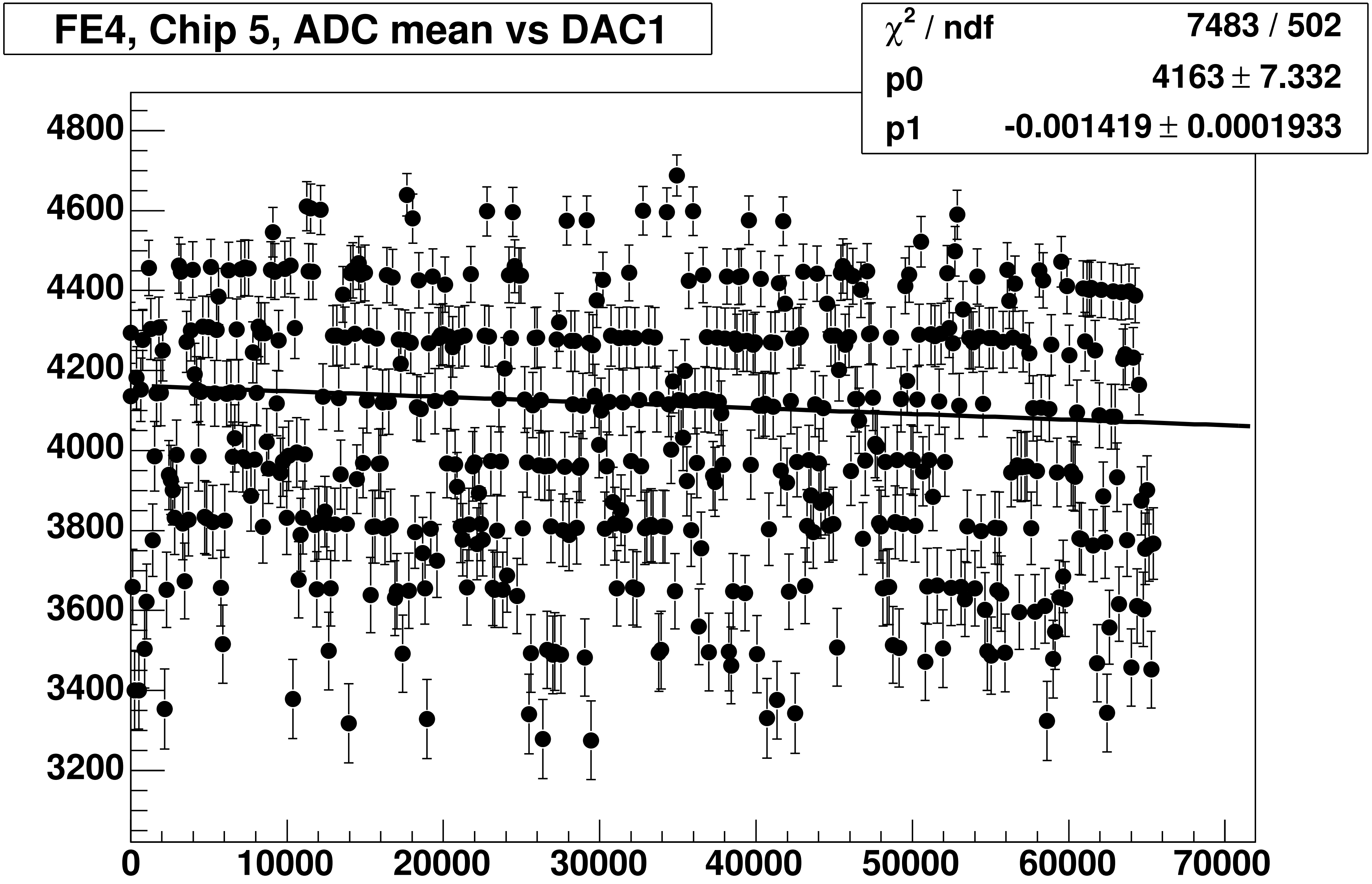


FE4, Chip 5, ADC mean vs DAC0
χ2 / ndf 4.769e+05 / 502
p0 41.96 ± 0.01005
p1 0.45 ± 2.934e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

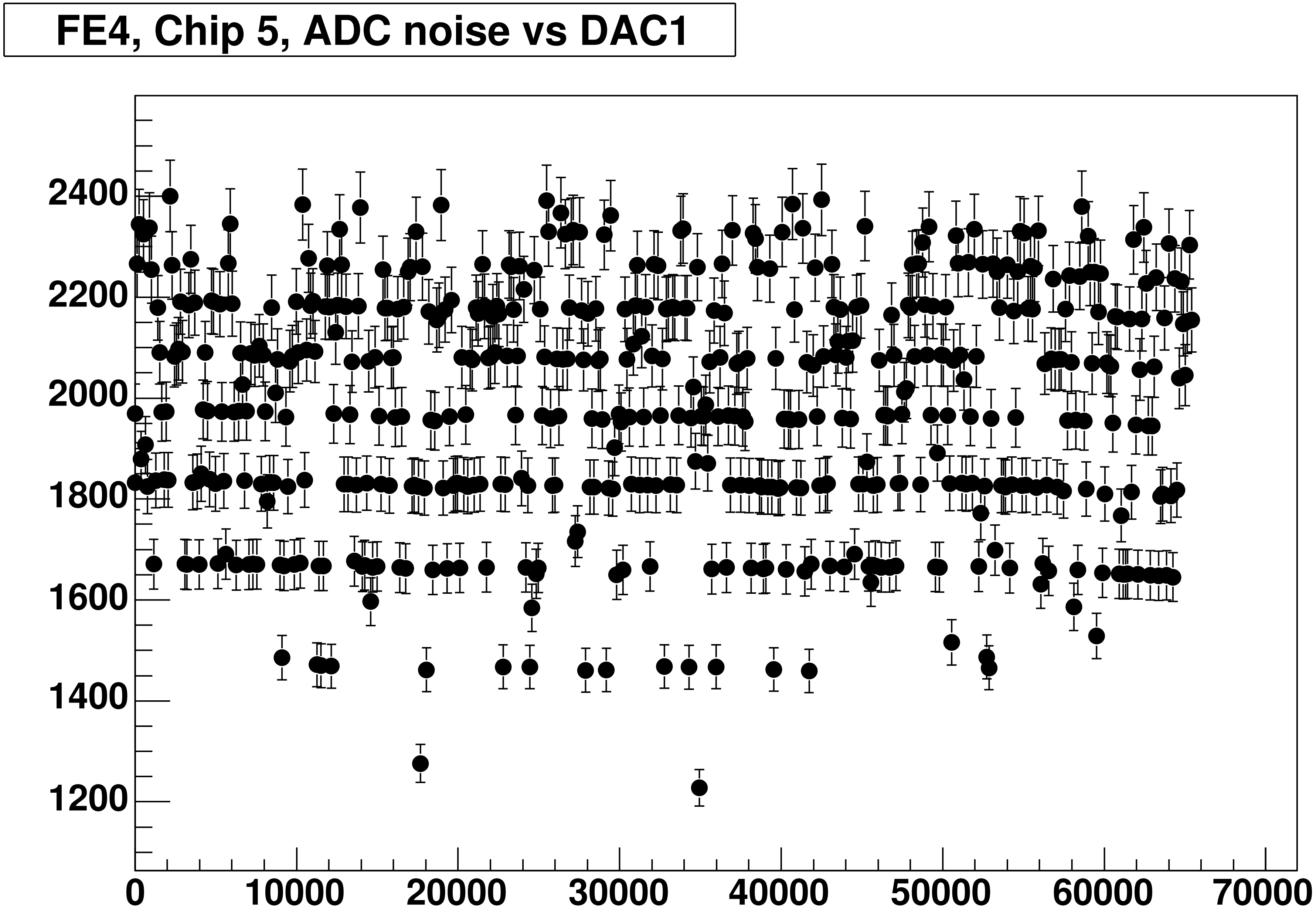


FE4, Chip 5, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

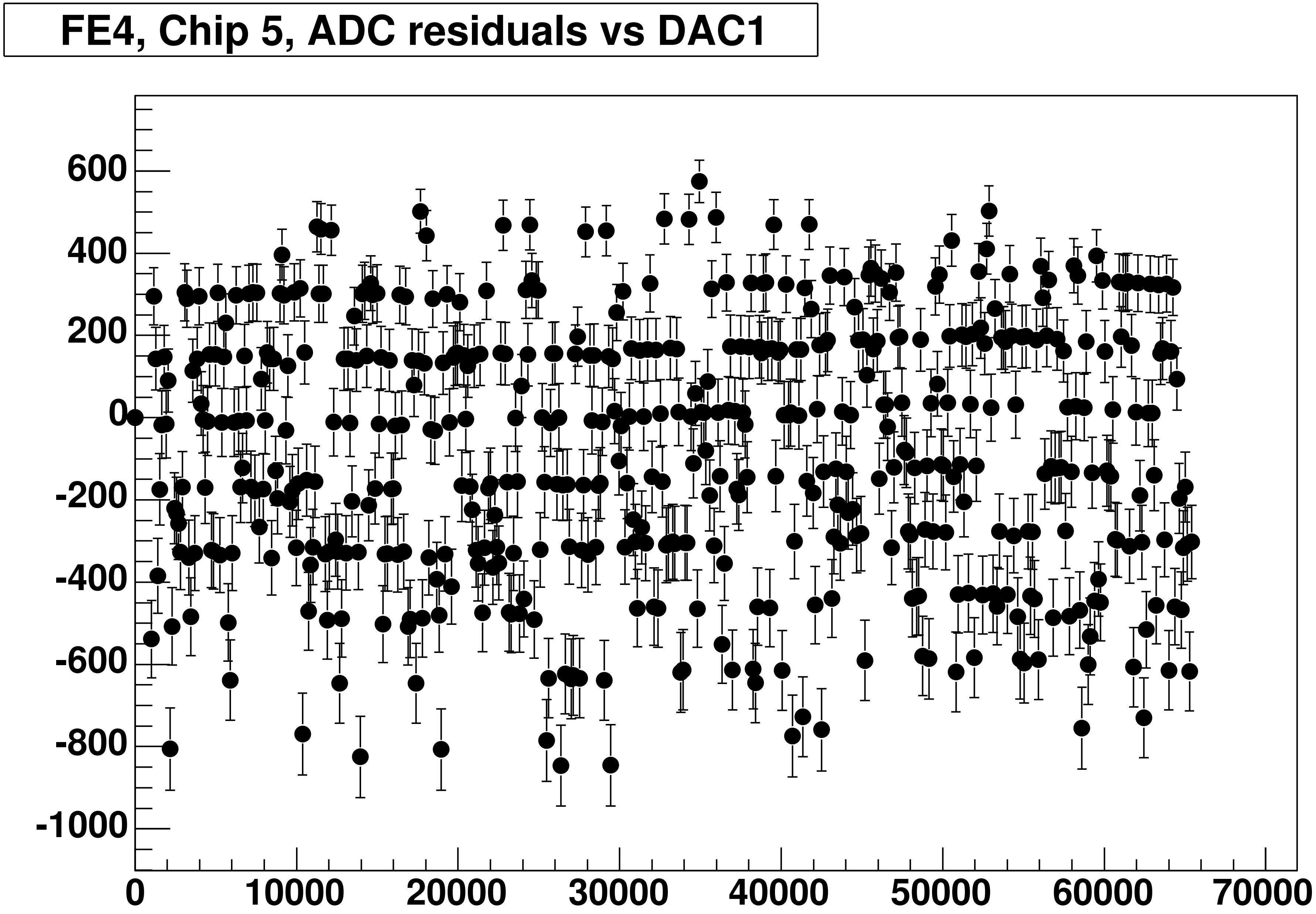

FE4, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

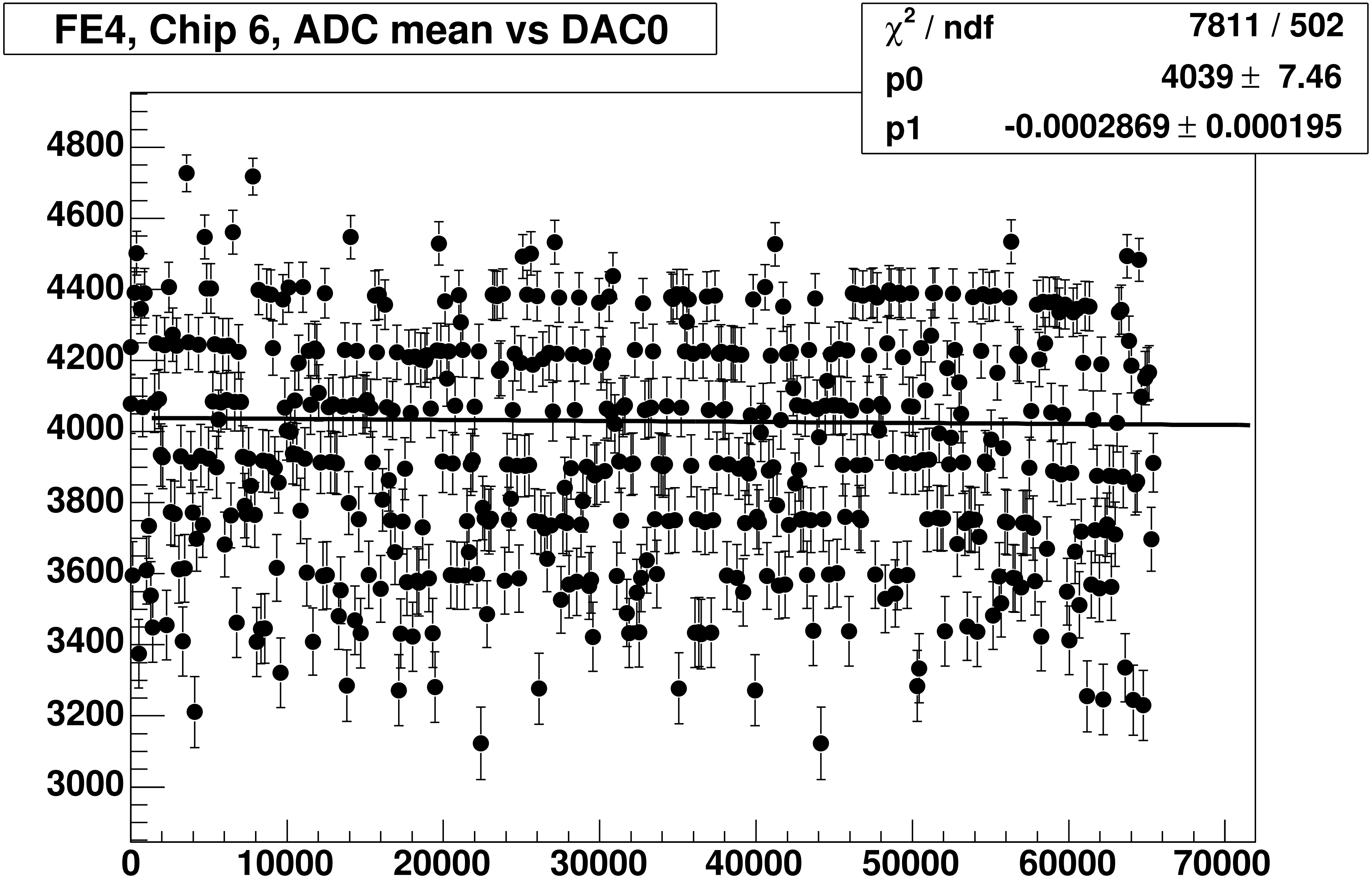


FE4, Chip 5, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4163 ± 7.332
p1 -0.001419 ± 0.0001933
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

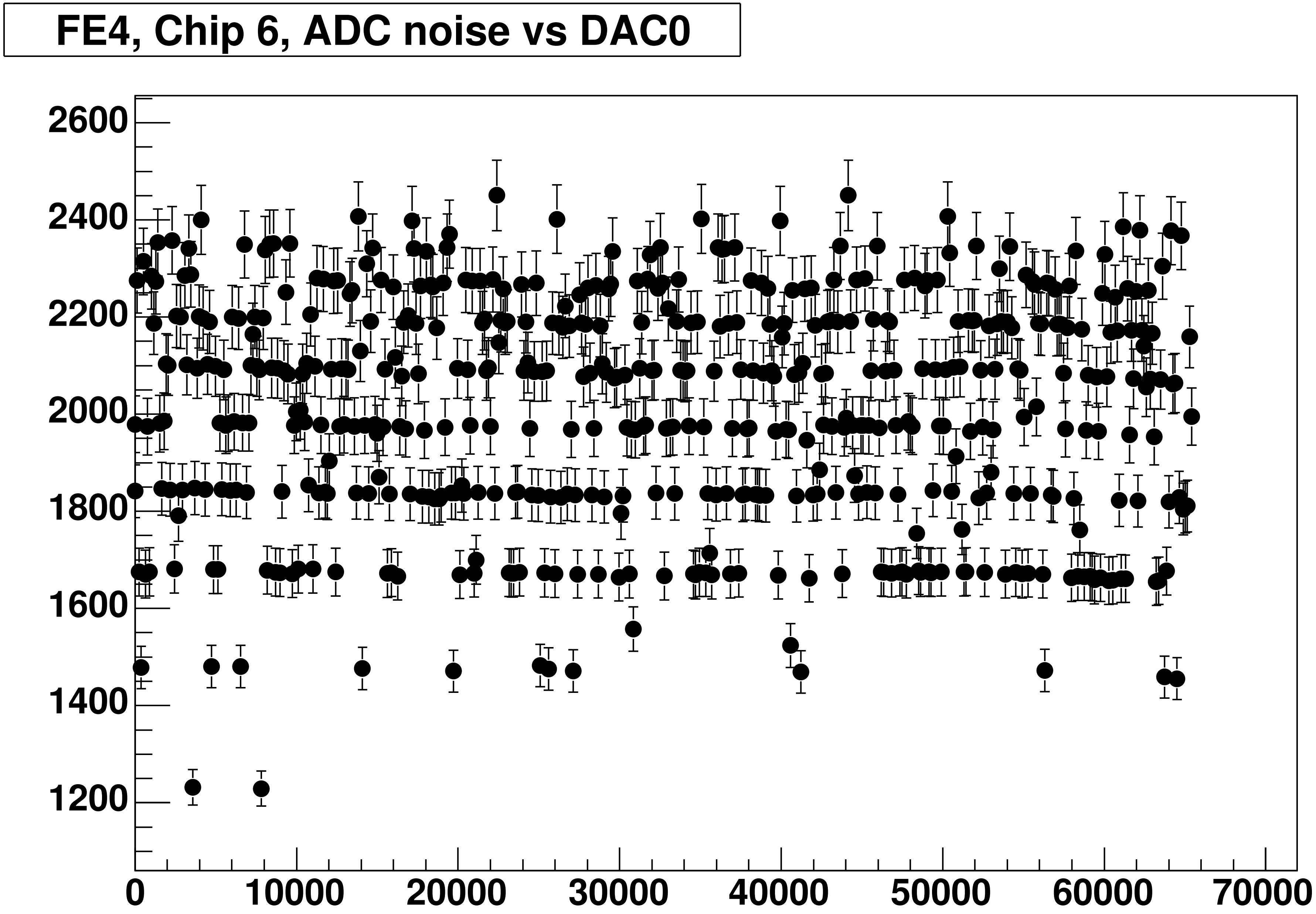


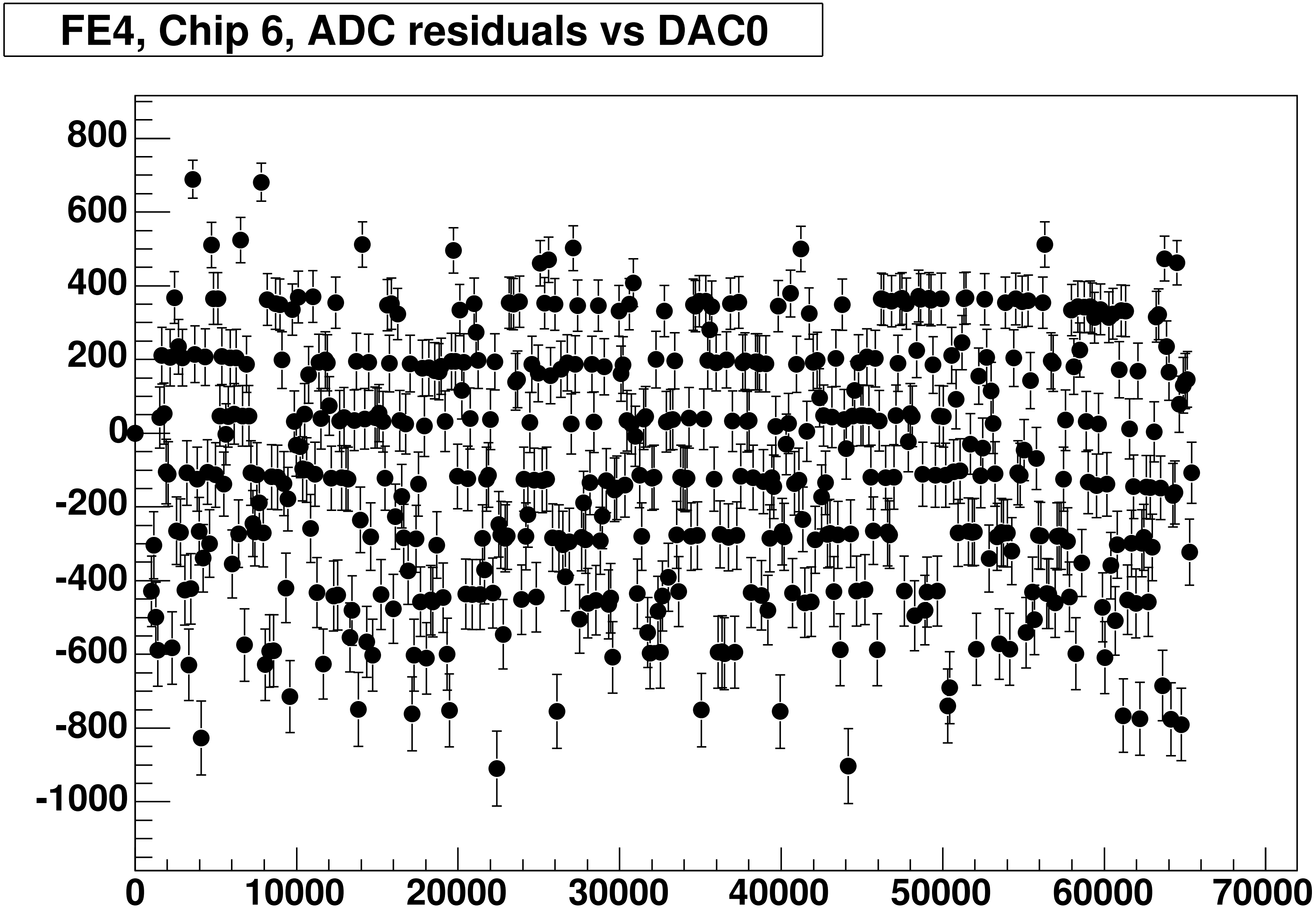
FE4, Chip 5, ADC noise vs DAC1
1200
1400
1600
1800
2000
2200
2400
0
10000
20000
30000
40000
50000
60000
70000

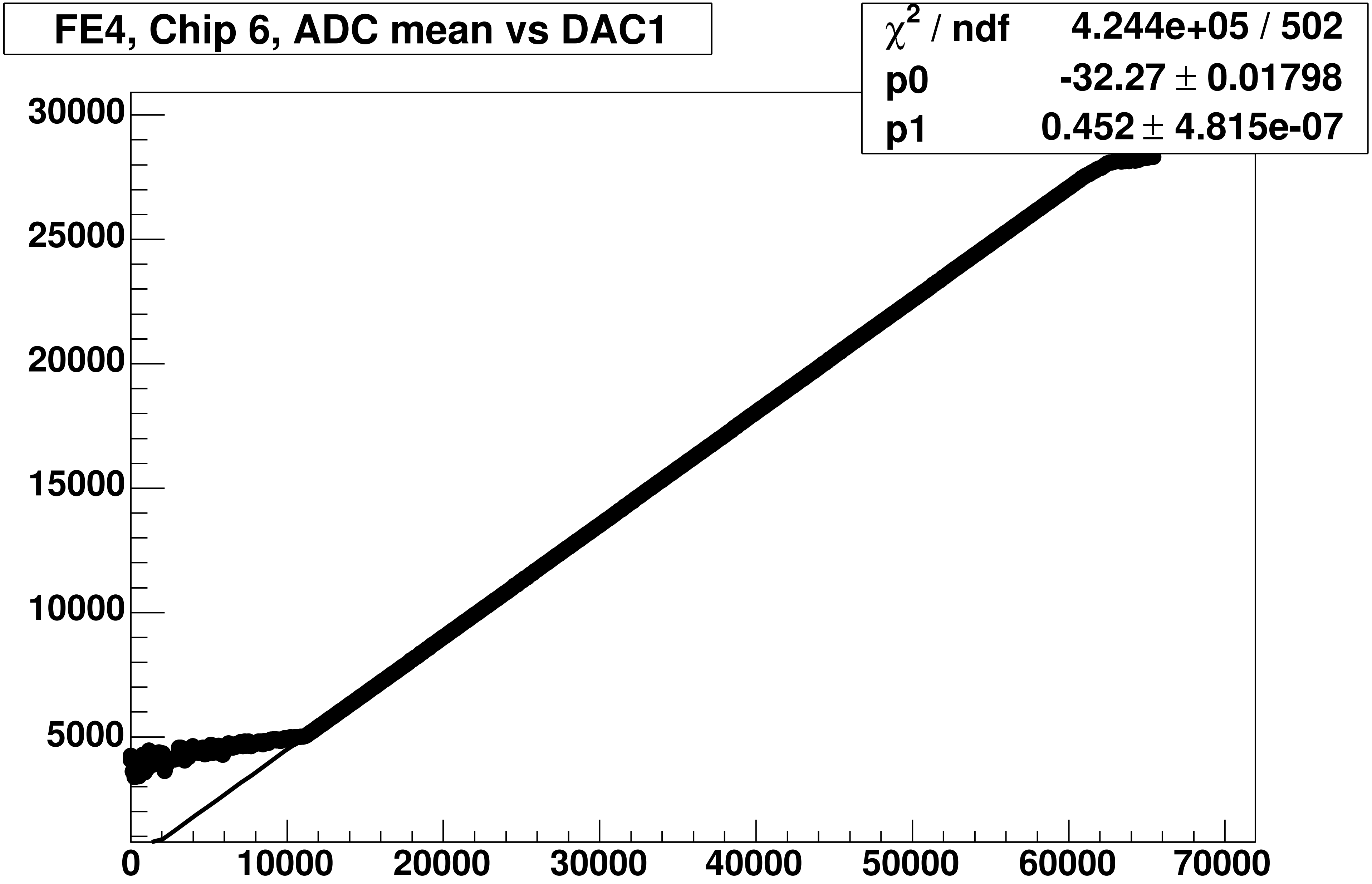

FE4, Chip 5, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

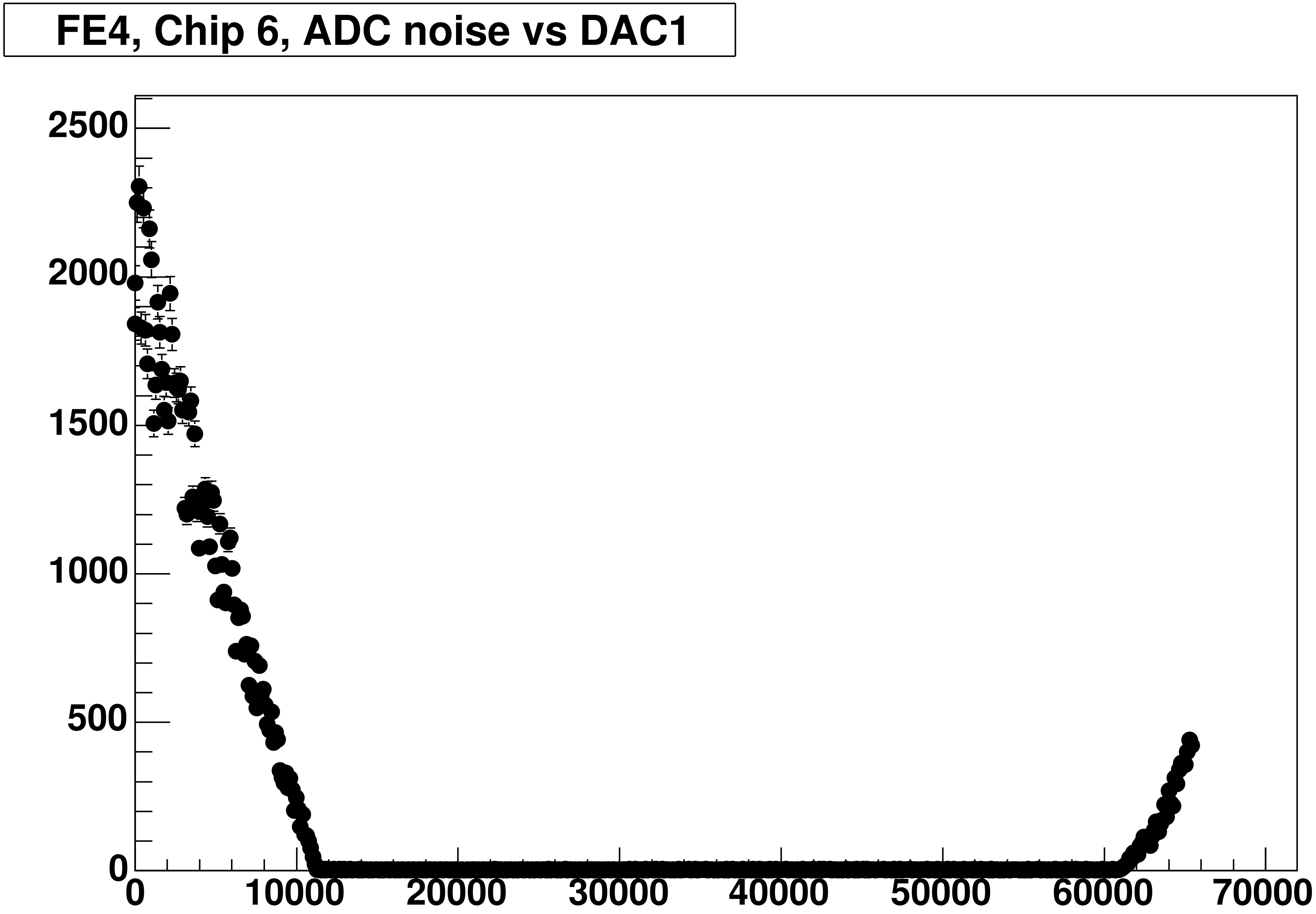


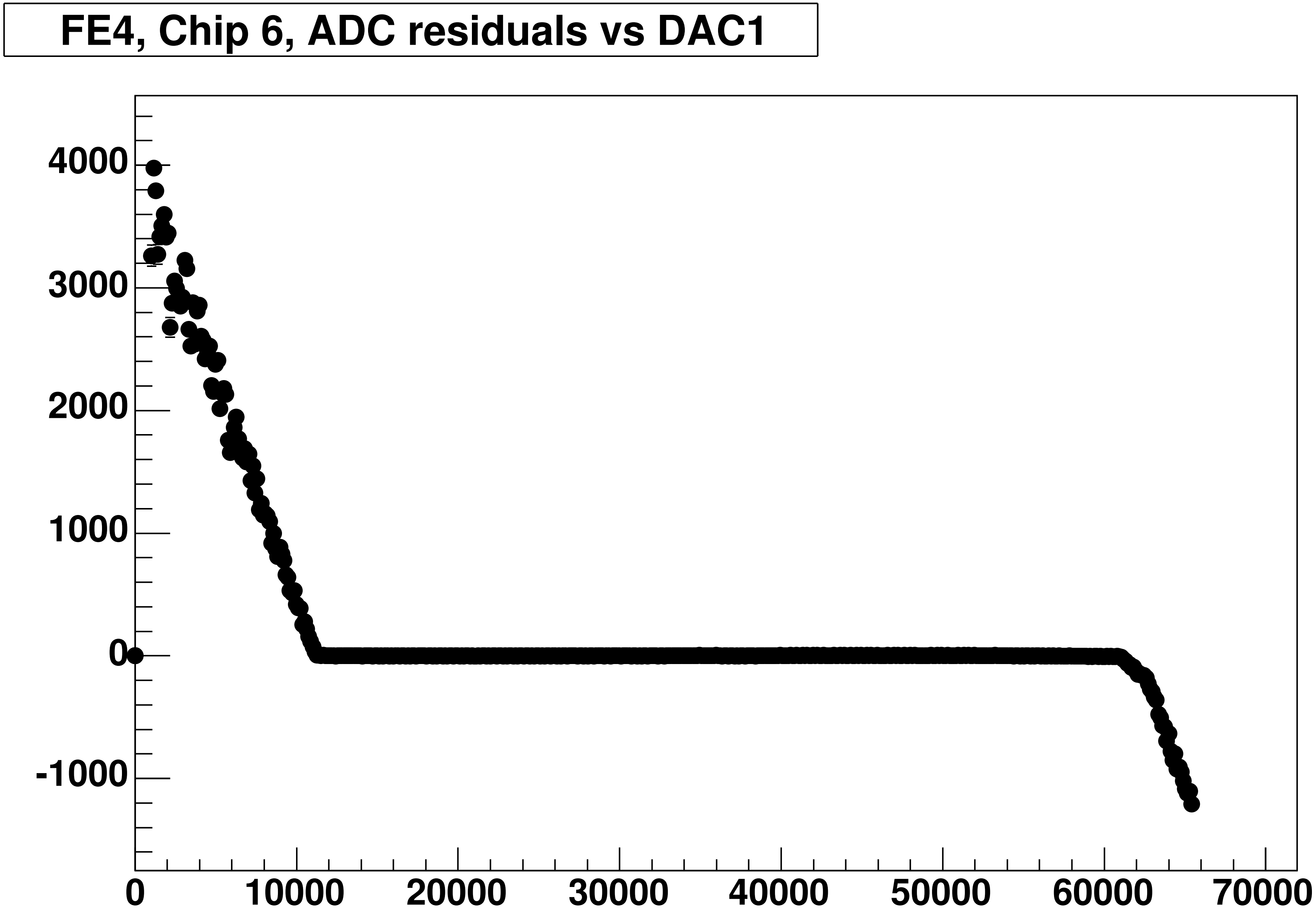
FE4, Chip 6, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4039 ± 7.46
p1 -0.0002869 ± 0.000195
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 6, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

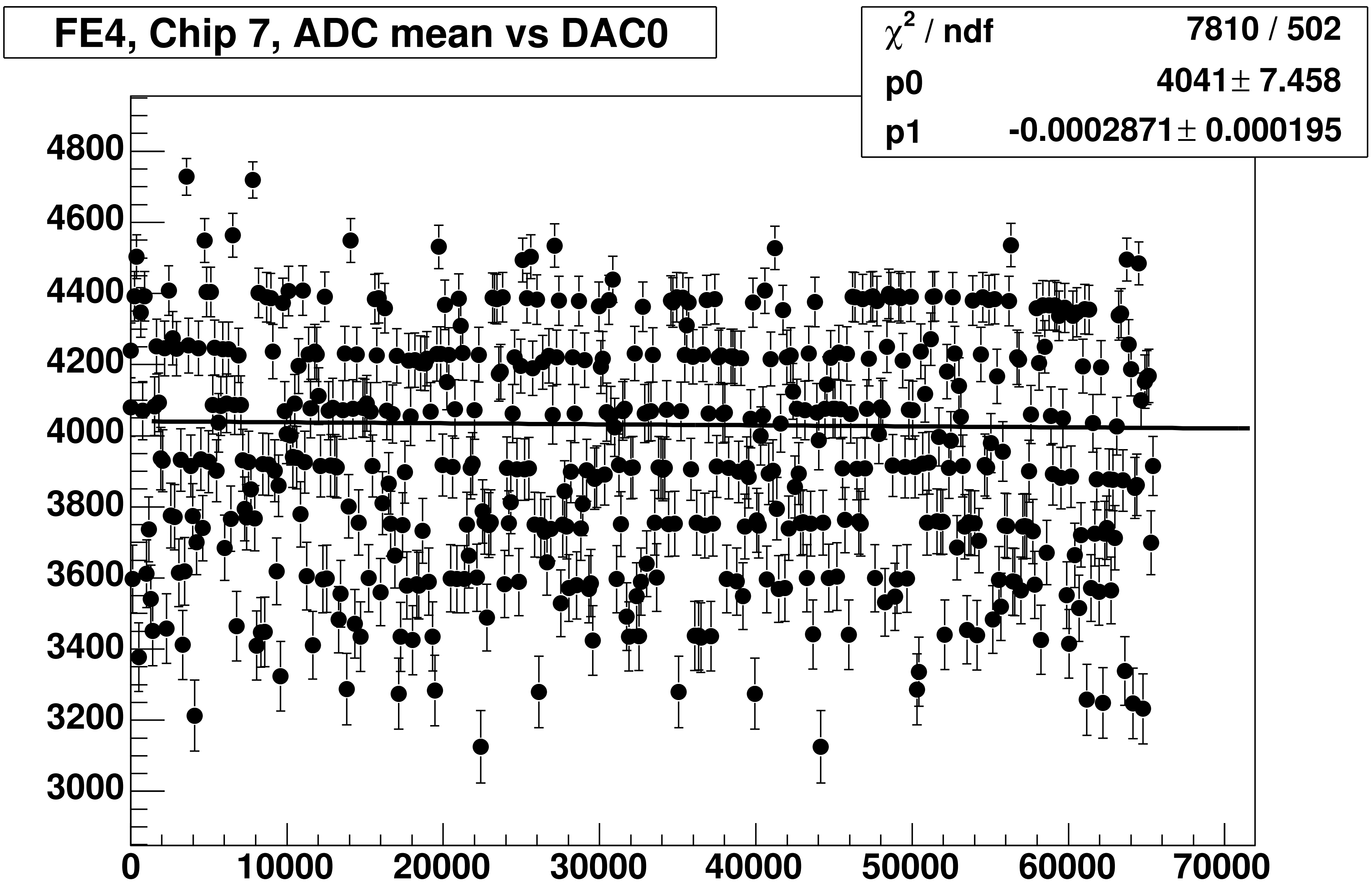

FE4, Chip 6, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

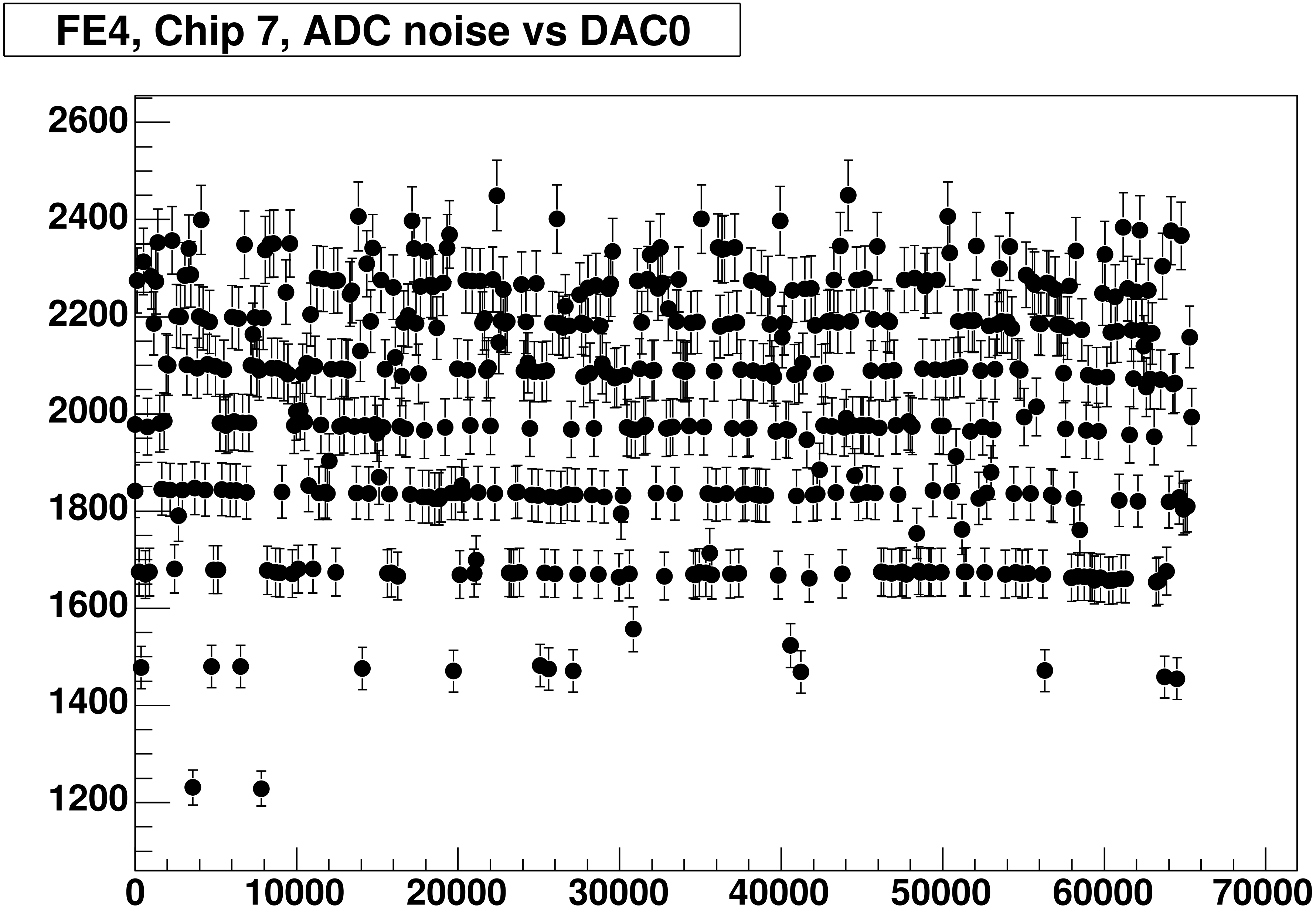

FE4, Chip 6, ADC mean vs DAC1
χ^2 / ndf 4.244e+05 / 502
p0 -32.27 ± 0.01798
p1 0.452 ± 4.815e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

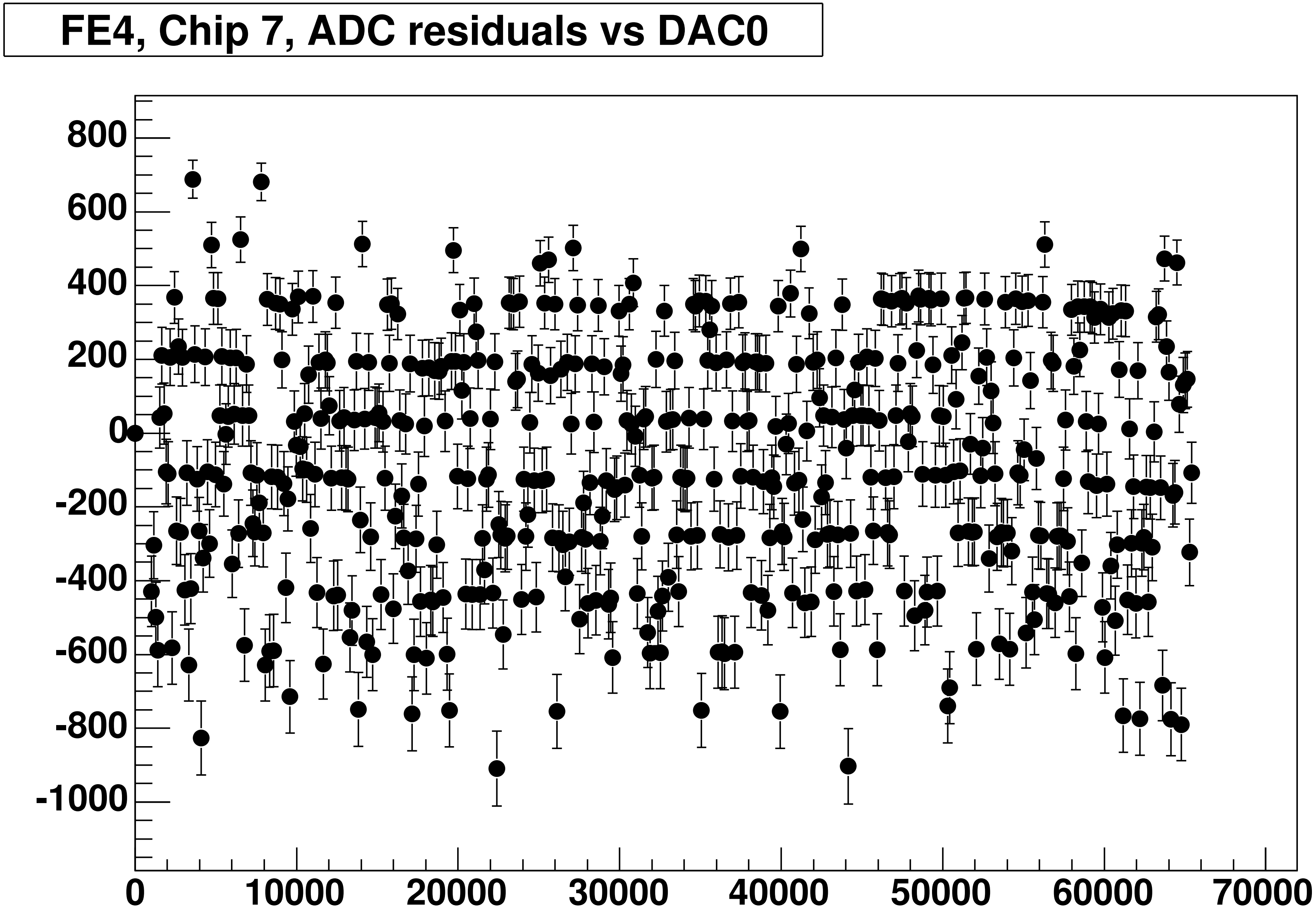

FE4, Chip 6, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000



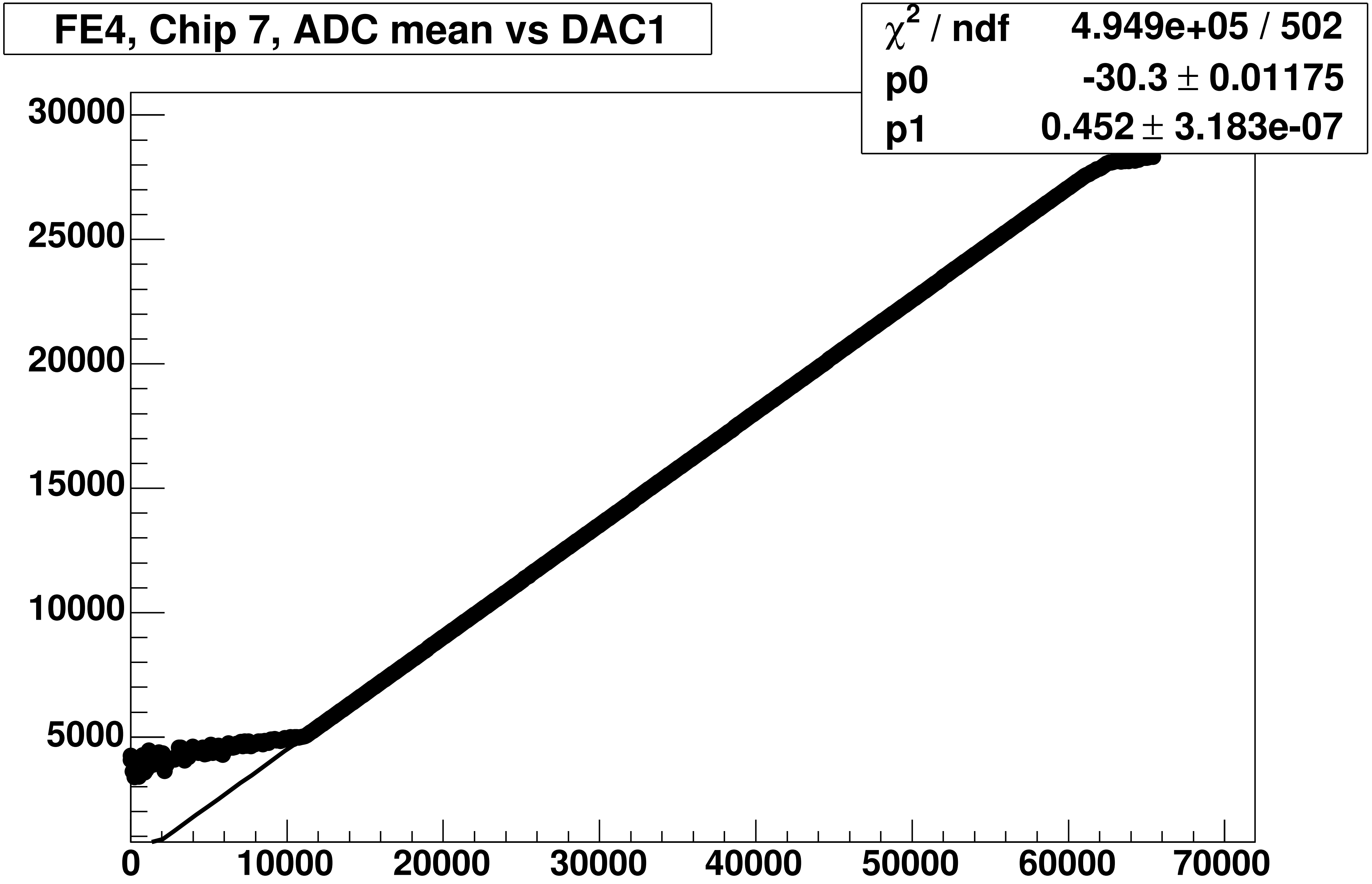
FE4, Chip 6, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

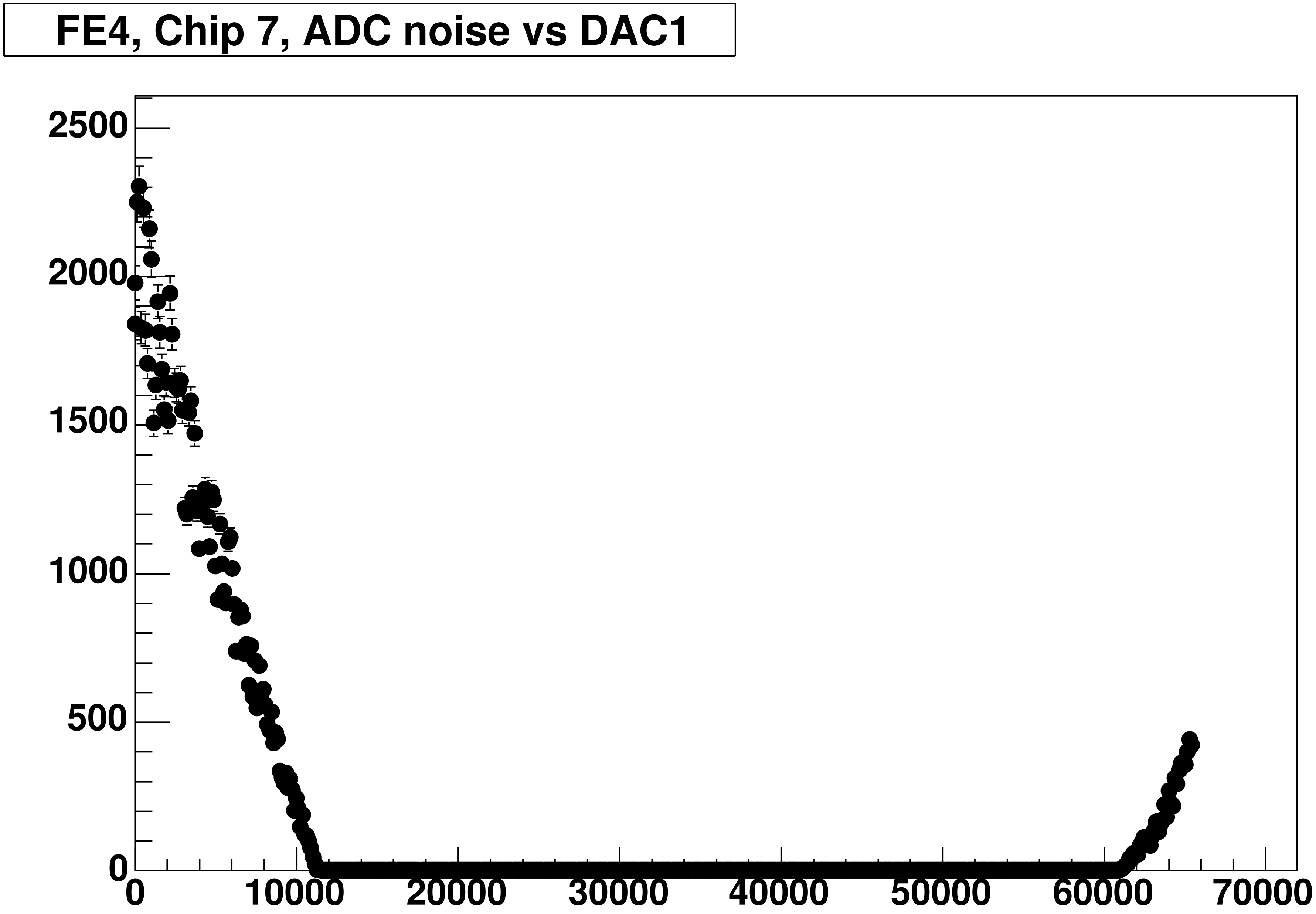

FE4, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 4041 ± 7.458
p1 -0.0002871 ± 0.000195
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 7, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

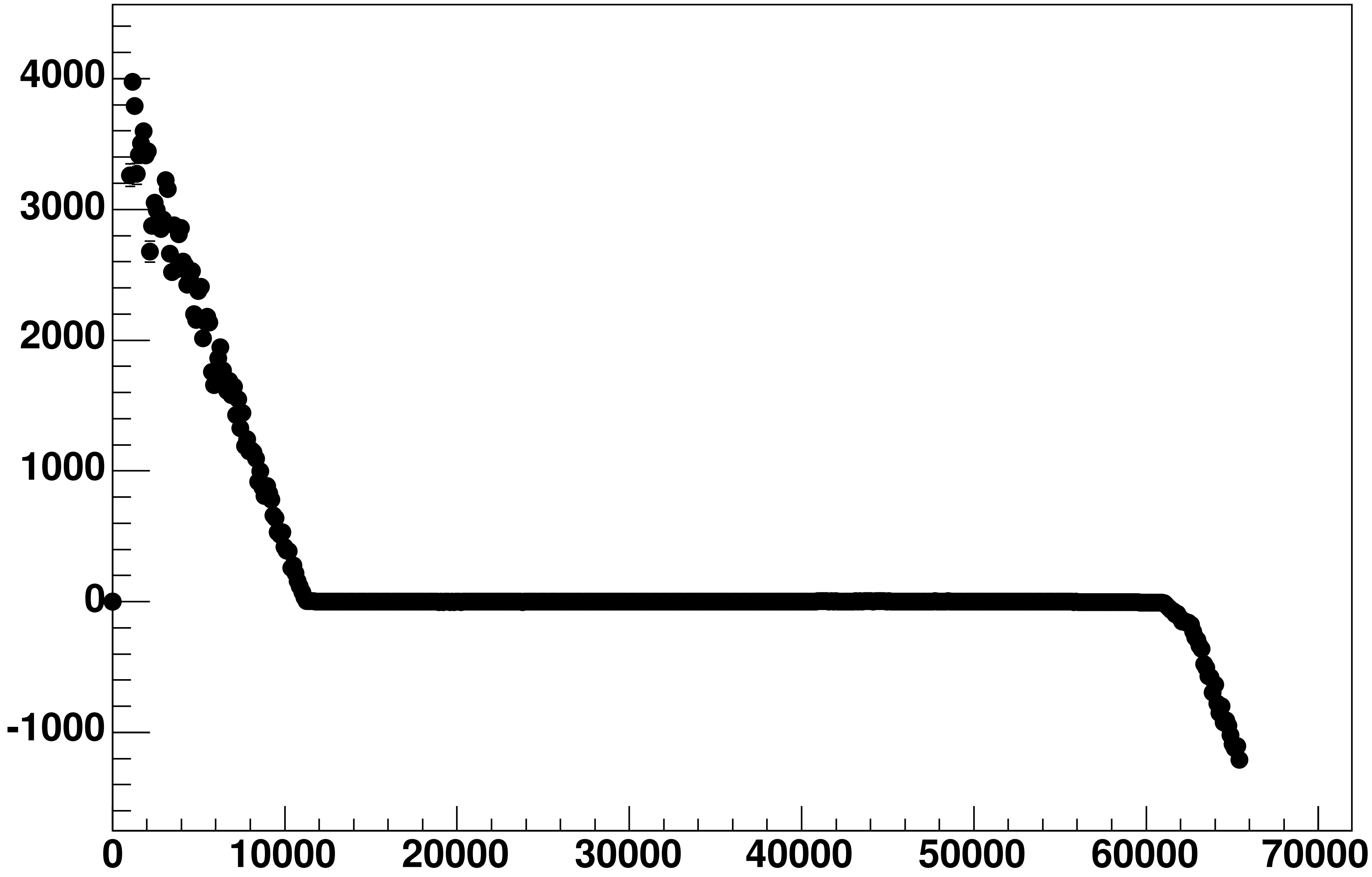


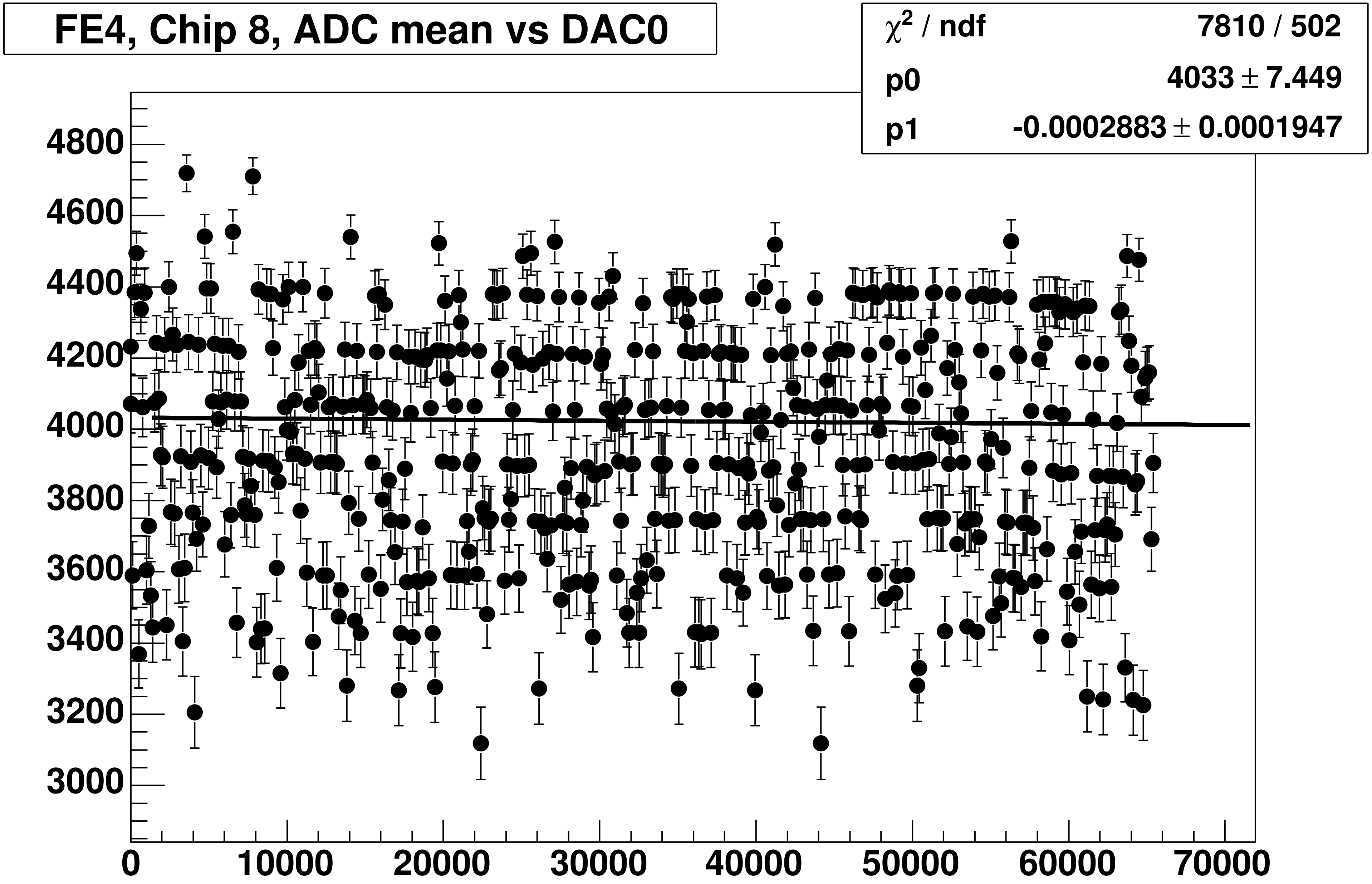
FE4, Chip 7, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

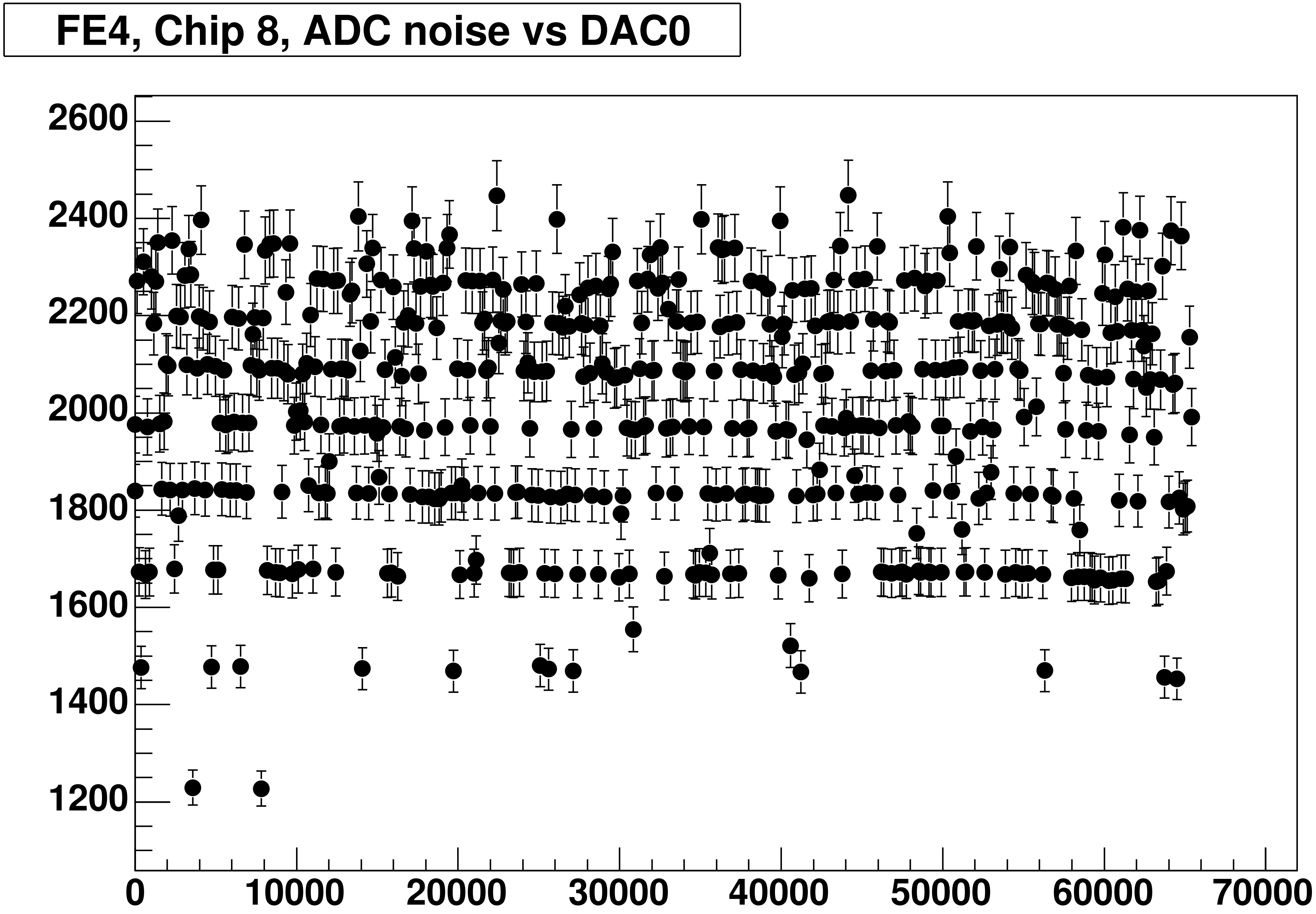

FE4, Chip 7, ADC mean vs DAC1
χ^2 / ndf 4.949e+05 / 502
p0 -30.3 ± 0.01175
p1 0.452 ± 3.183e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

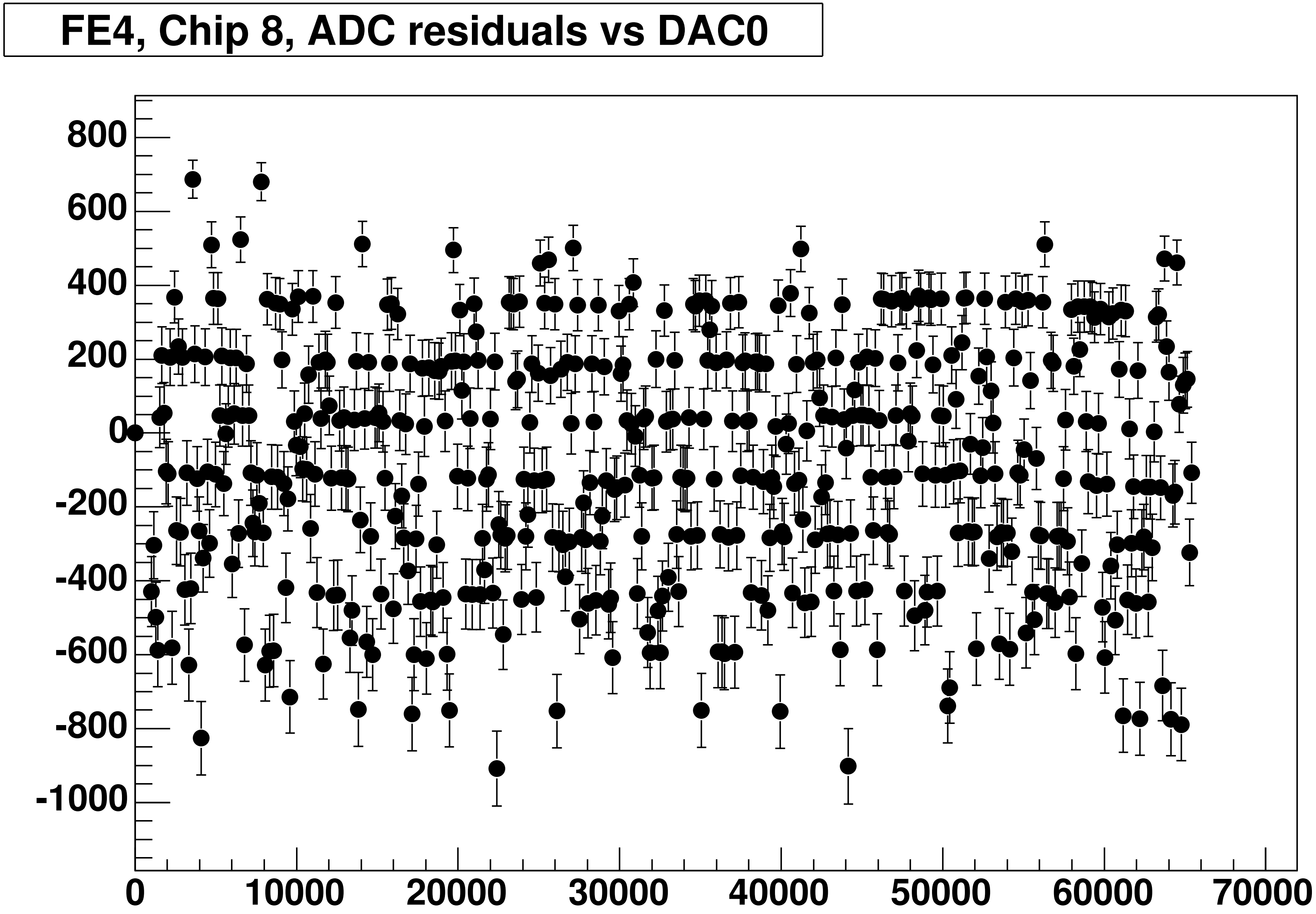

FE4, Chip 7, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

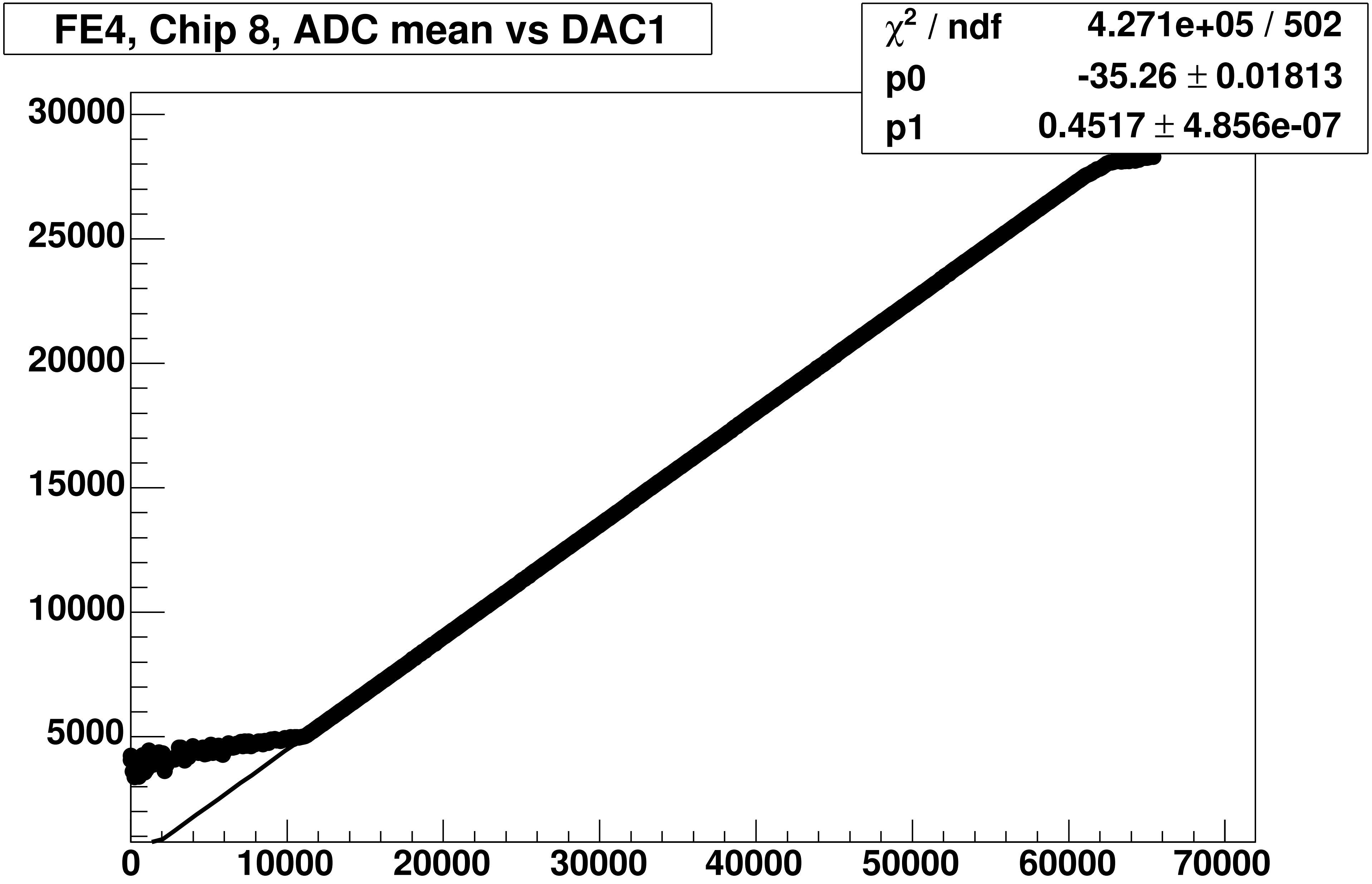
FE4, Chip 7, ADC residuals vs DAC1

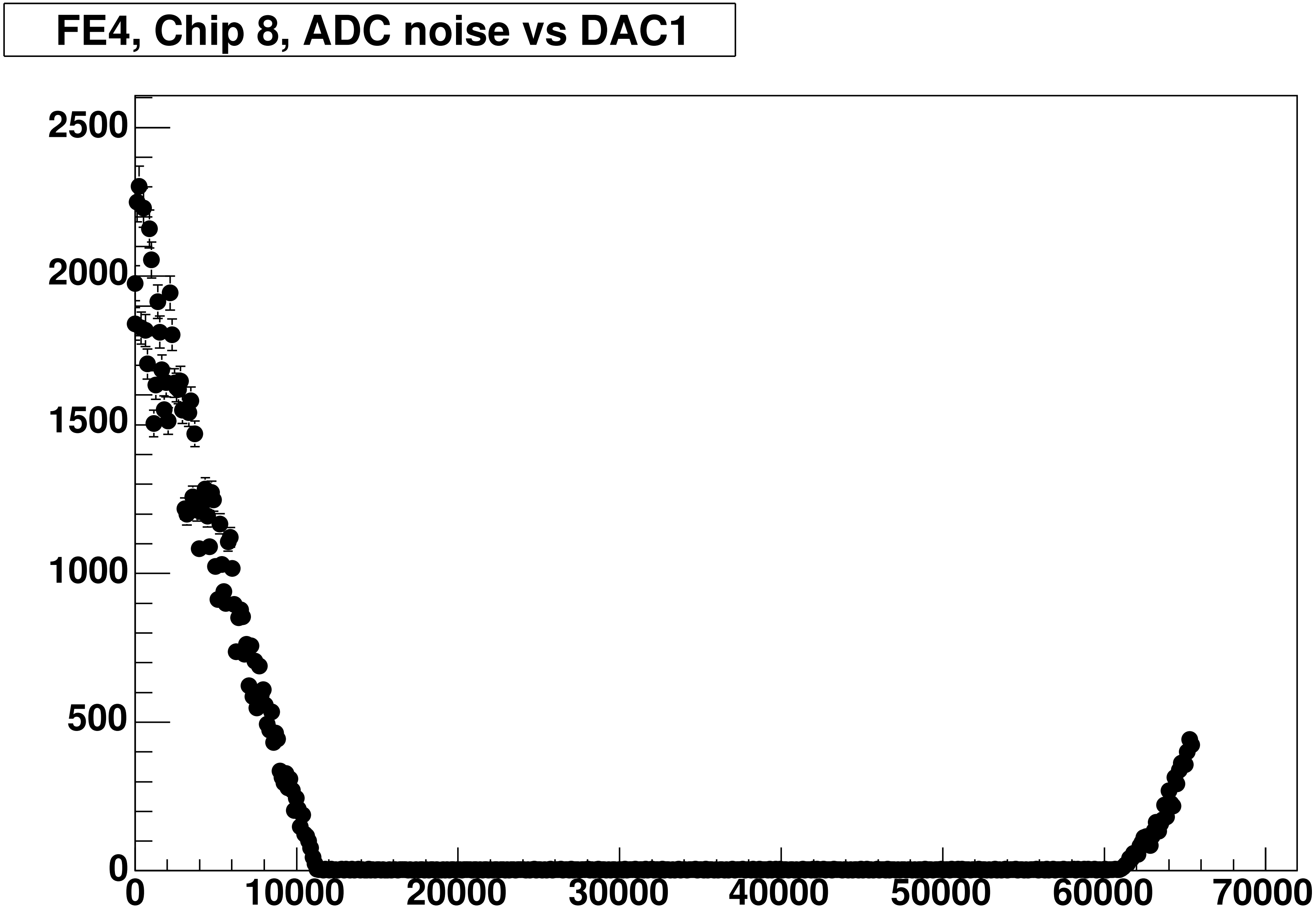



FE4, Chip 8, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 4033 ± 7.449
p1 -0.0002883 ± 0.0001947
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

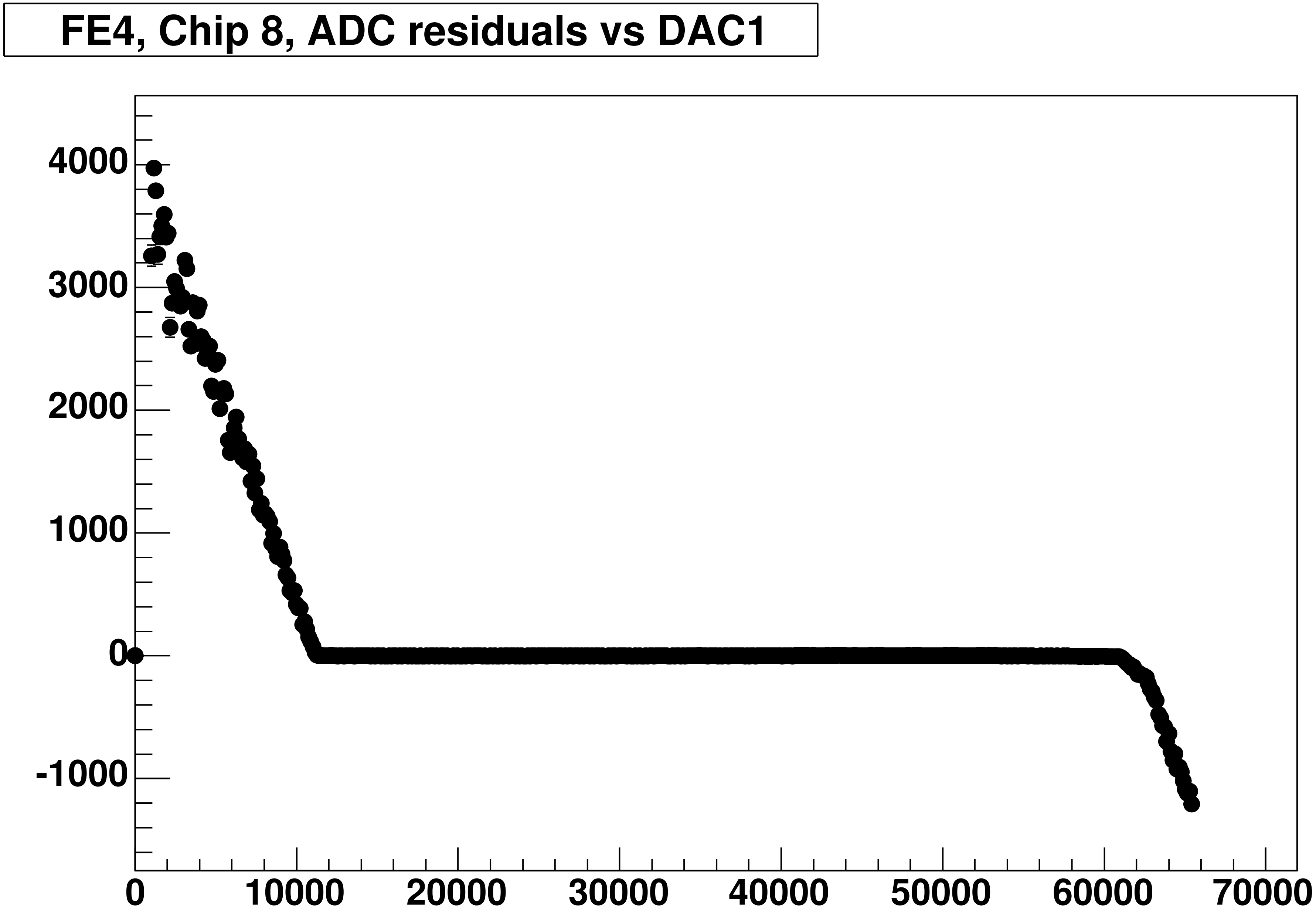

FE4, Chip 8, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

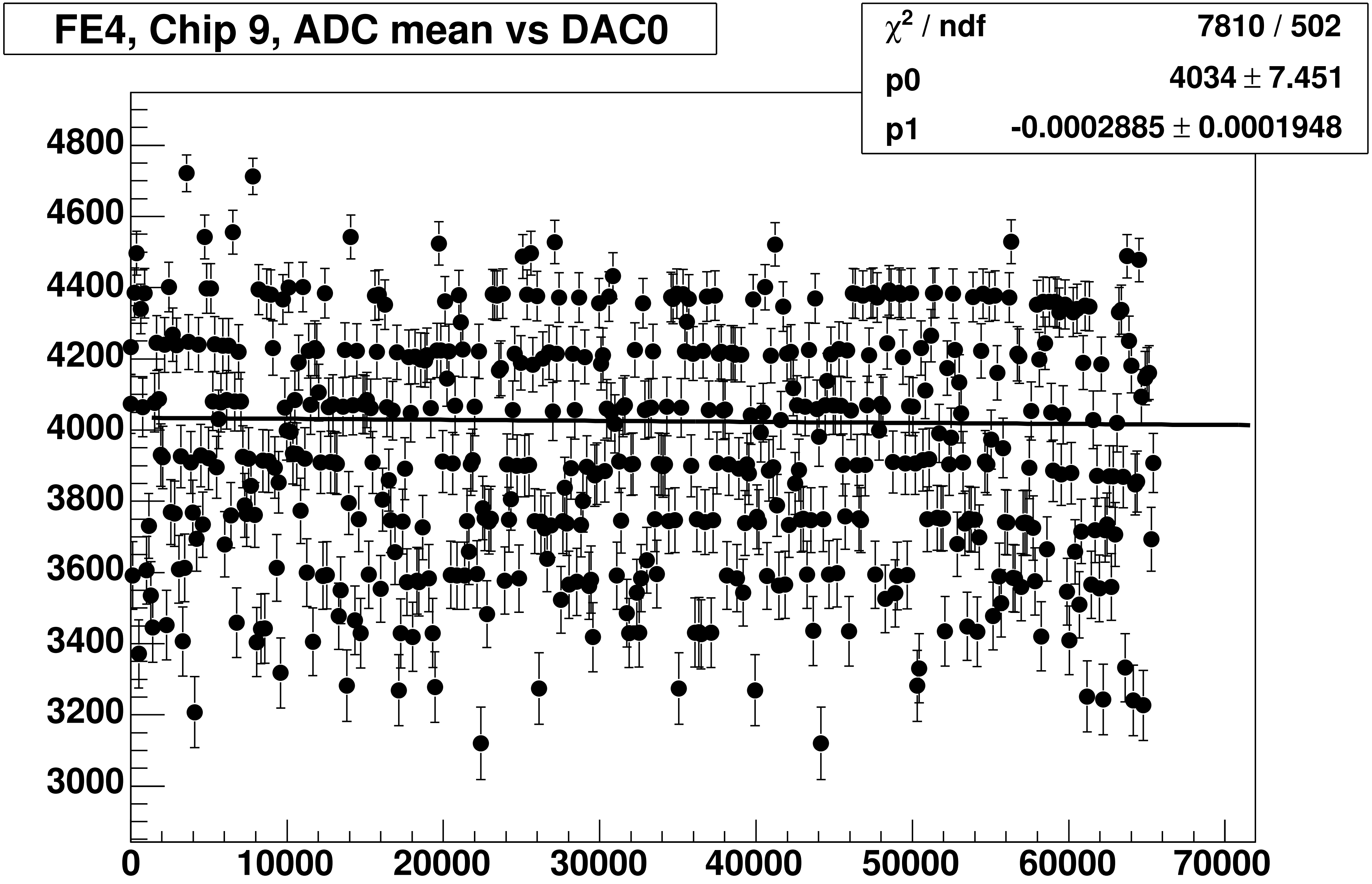

FE4, Chip 8, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

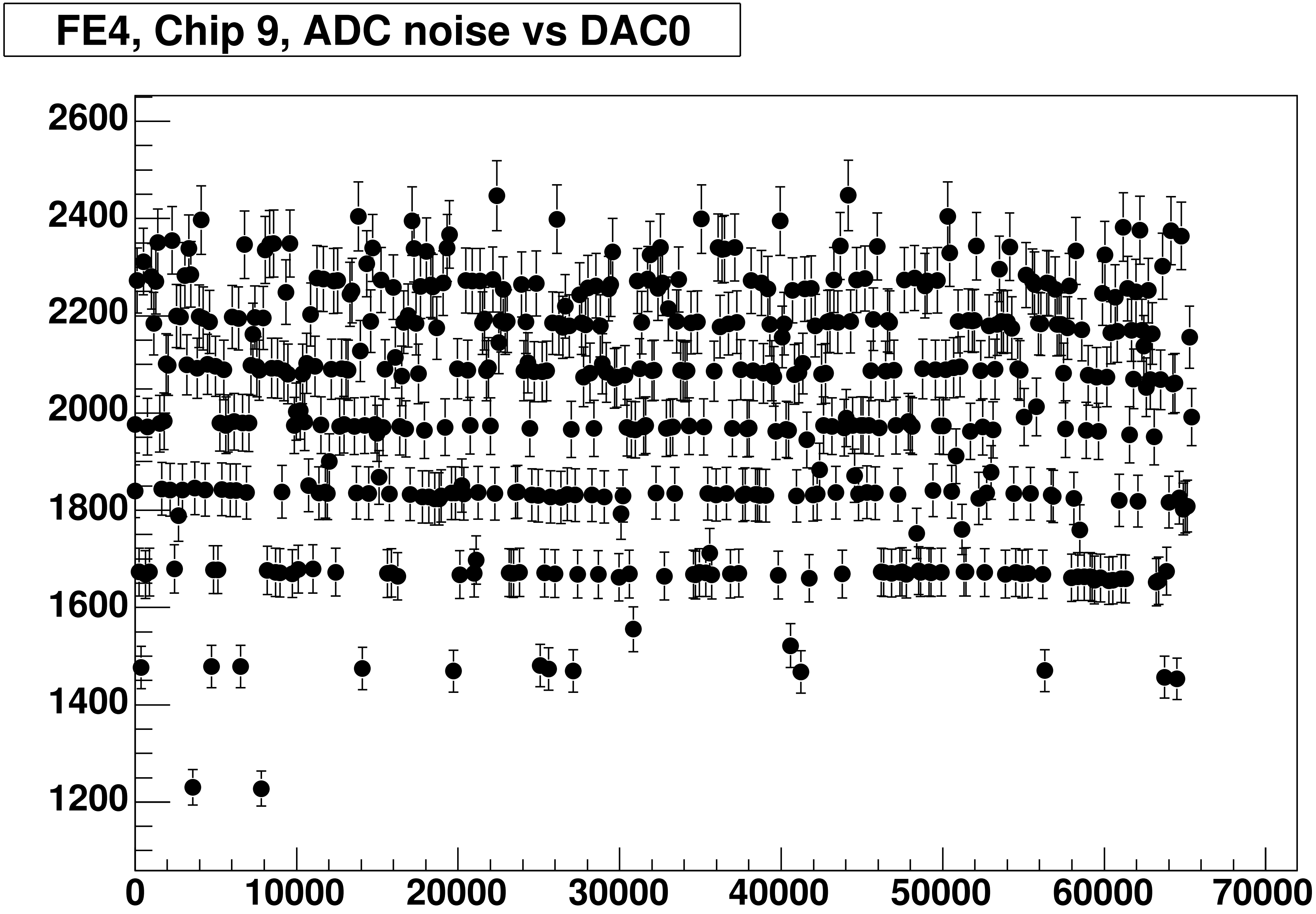

FE4, Chip 8, ADC mean vs DAC1
χ^2 / ndf 4.271e+05 / 502
p0 -35.26 ± 0.01813
p1 0.4517 ± 4.856e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

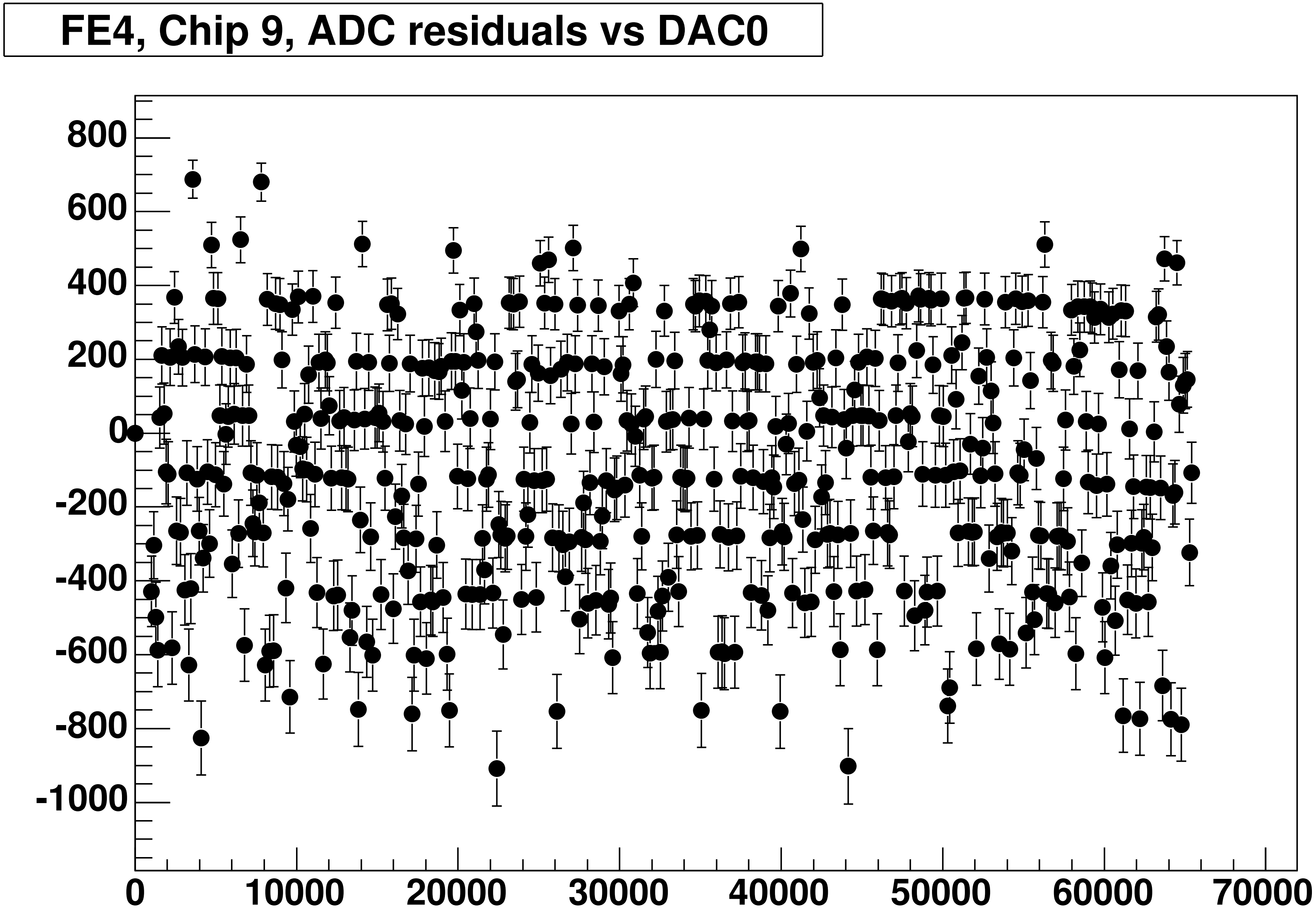


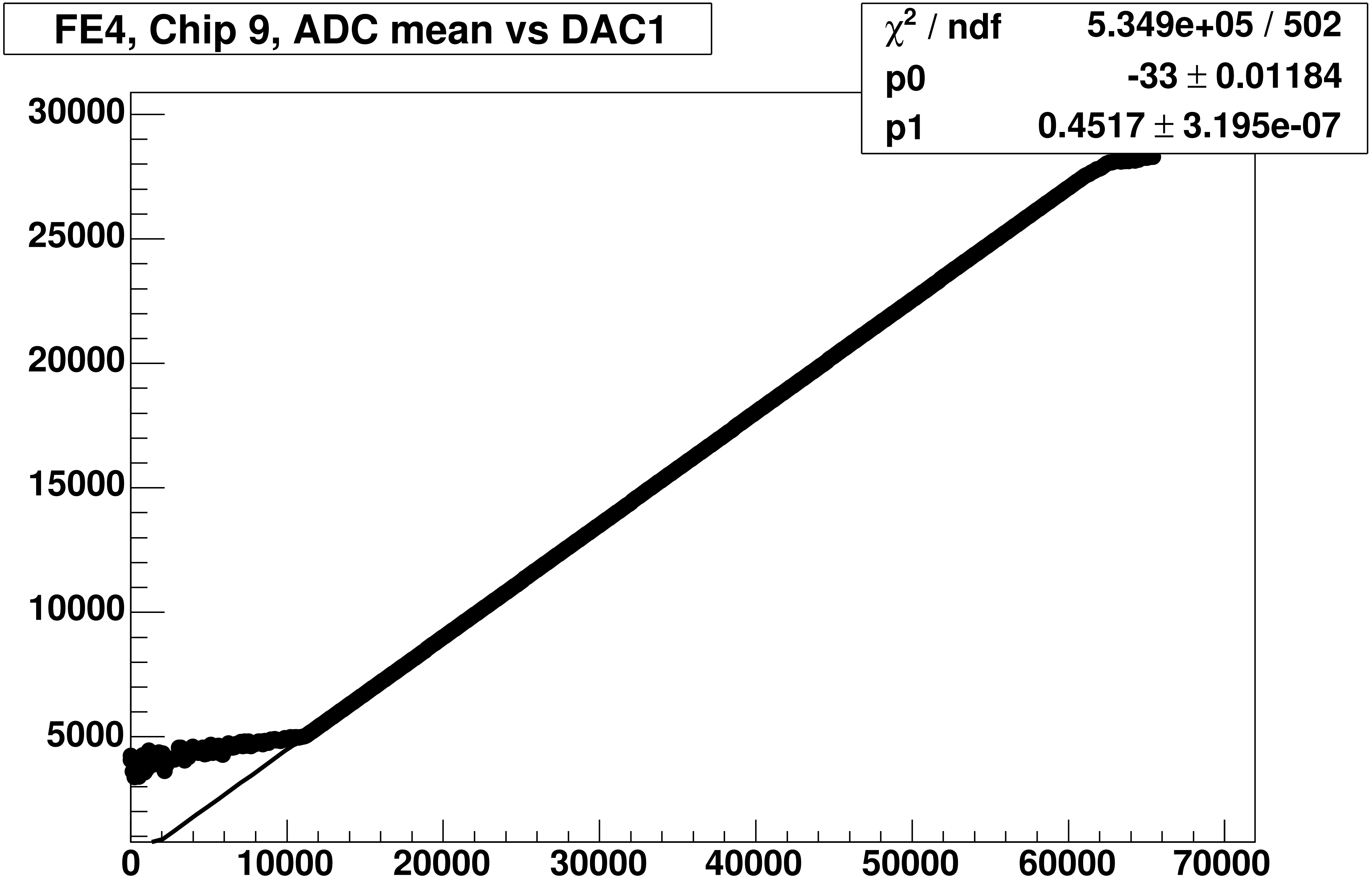
FE4, Chip 8, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

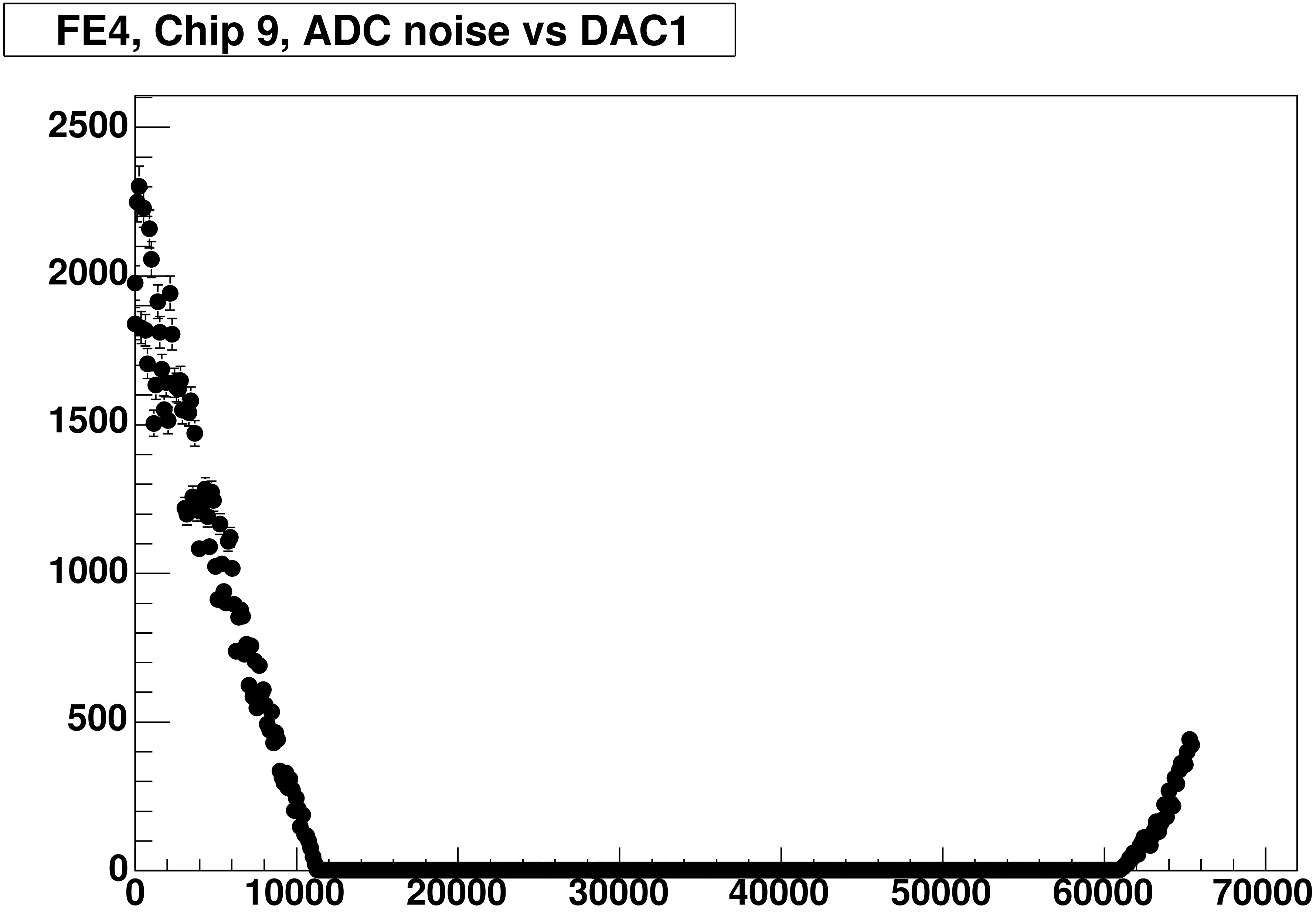

FE4, Chip 8, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 9, ADC mean vs DAC0
χ² / ndf 7810 / 502
p0 4034 ± 7.451
p1 -0.0002885 ± 0.0001948
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

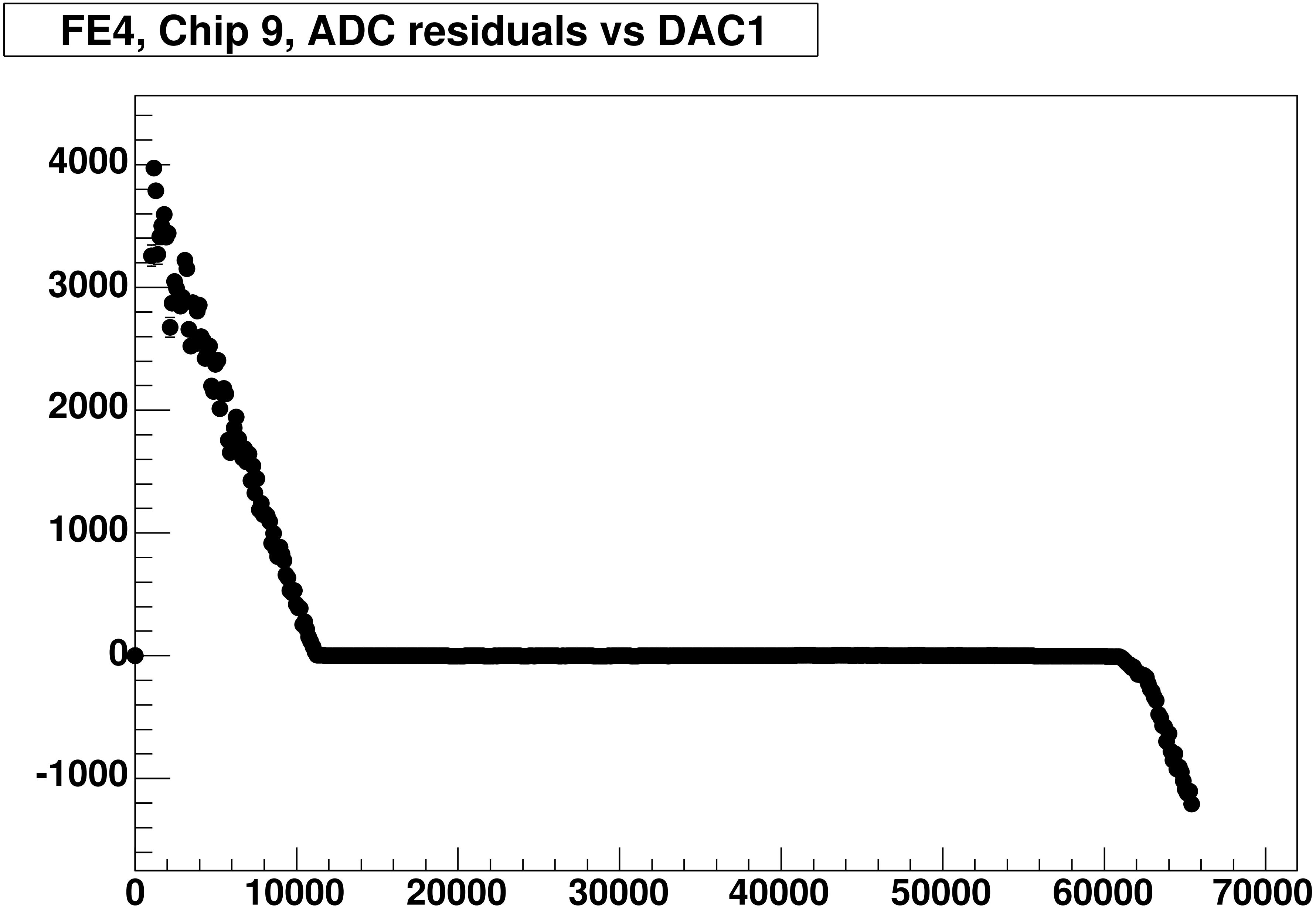

FE4, Chip 9, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

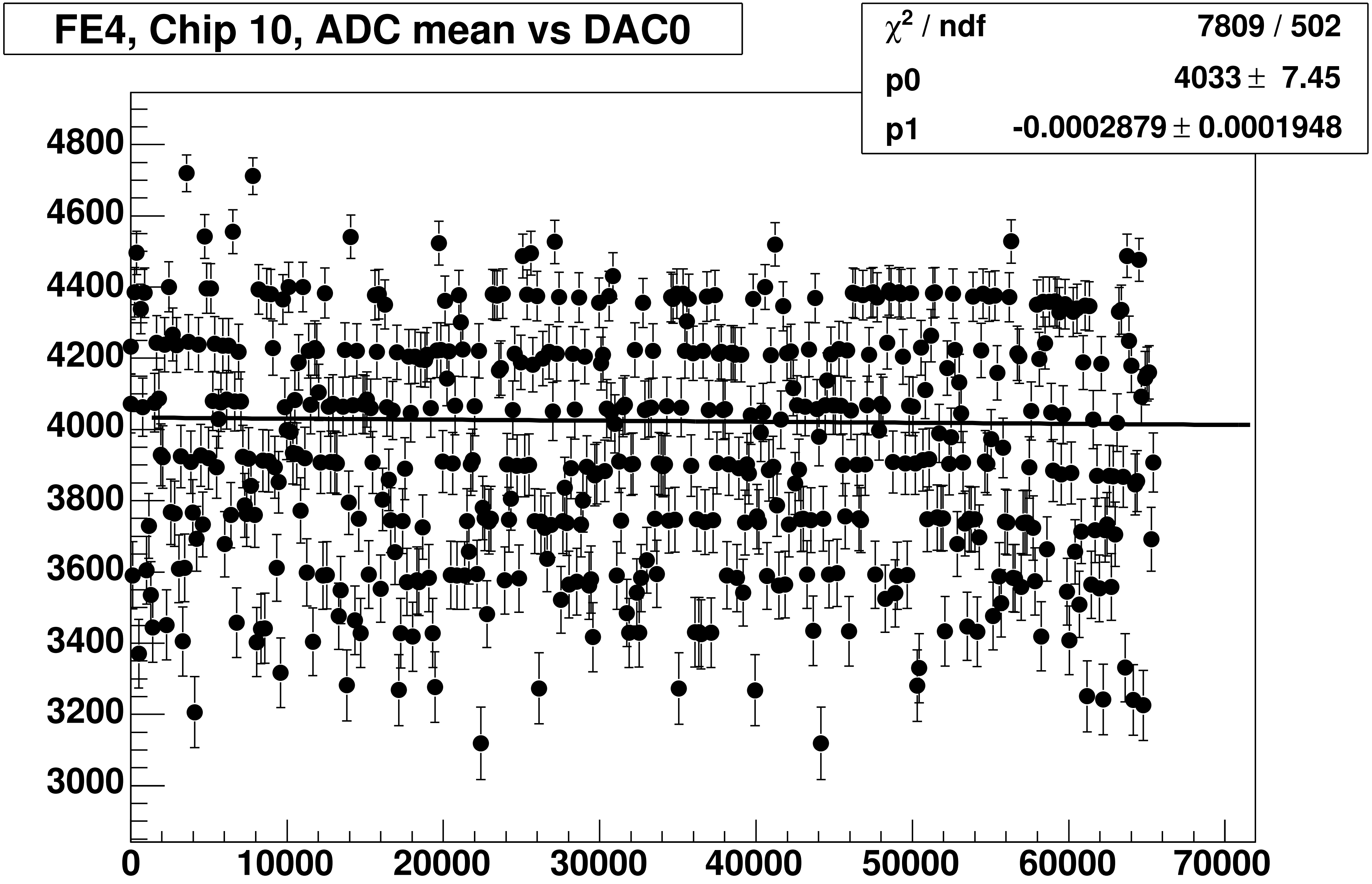

FE4, Chip 9, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

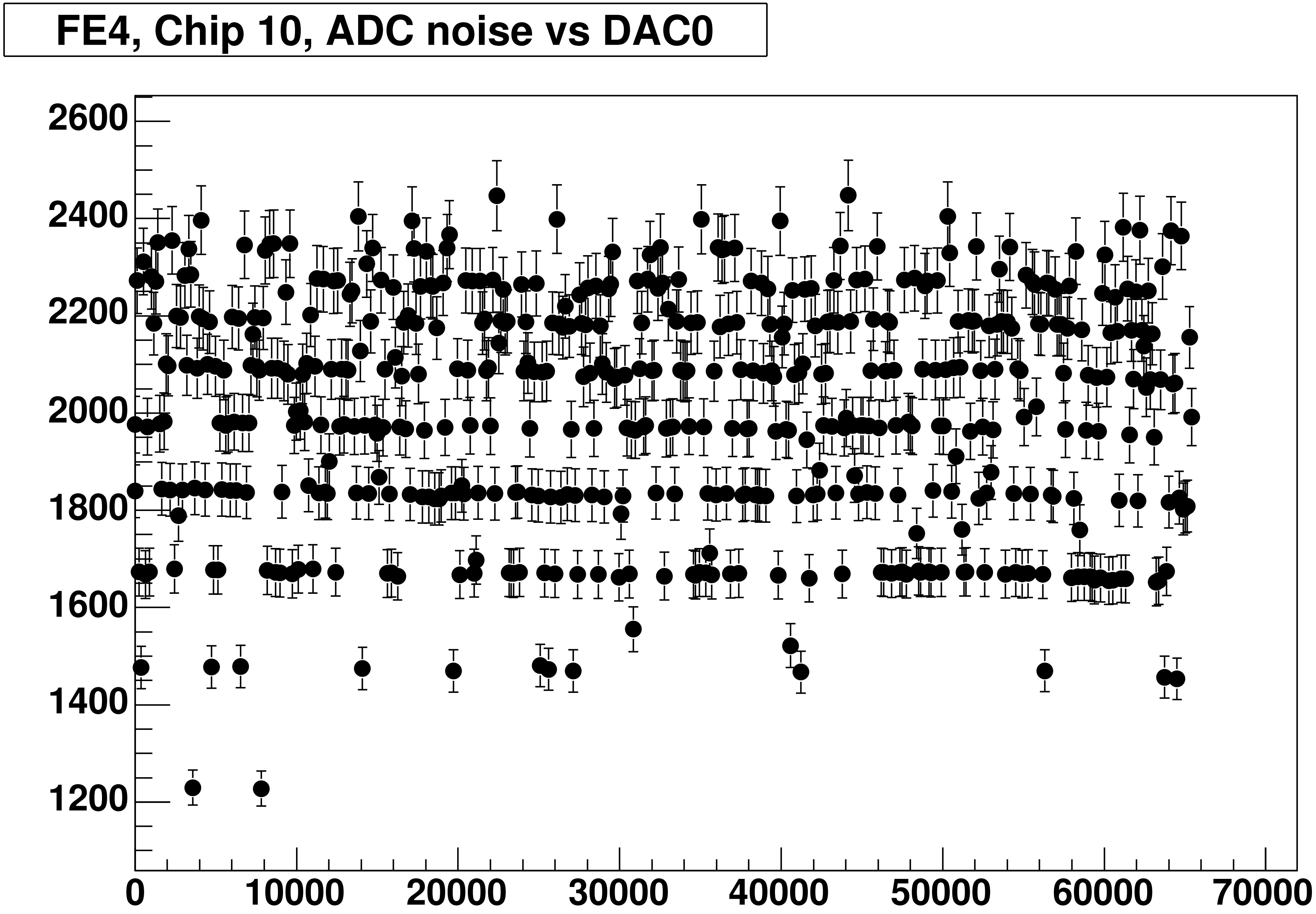

FE4, Chip 9, ADC mean vs DAC1
χ² / ndf 5.349e+05 / 502
p0 -33 ± 0.01184
p1 0.4517 ± 3.195e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

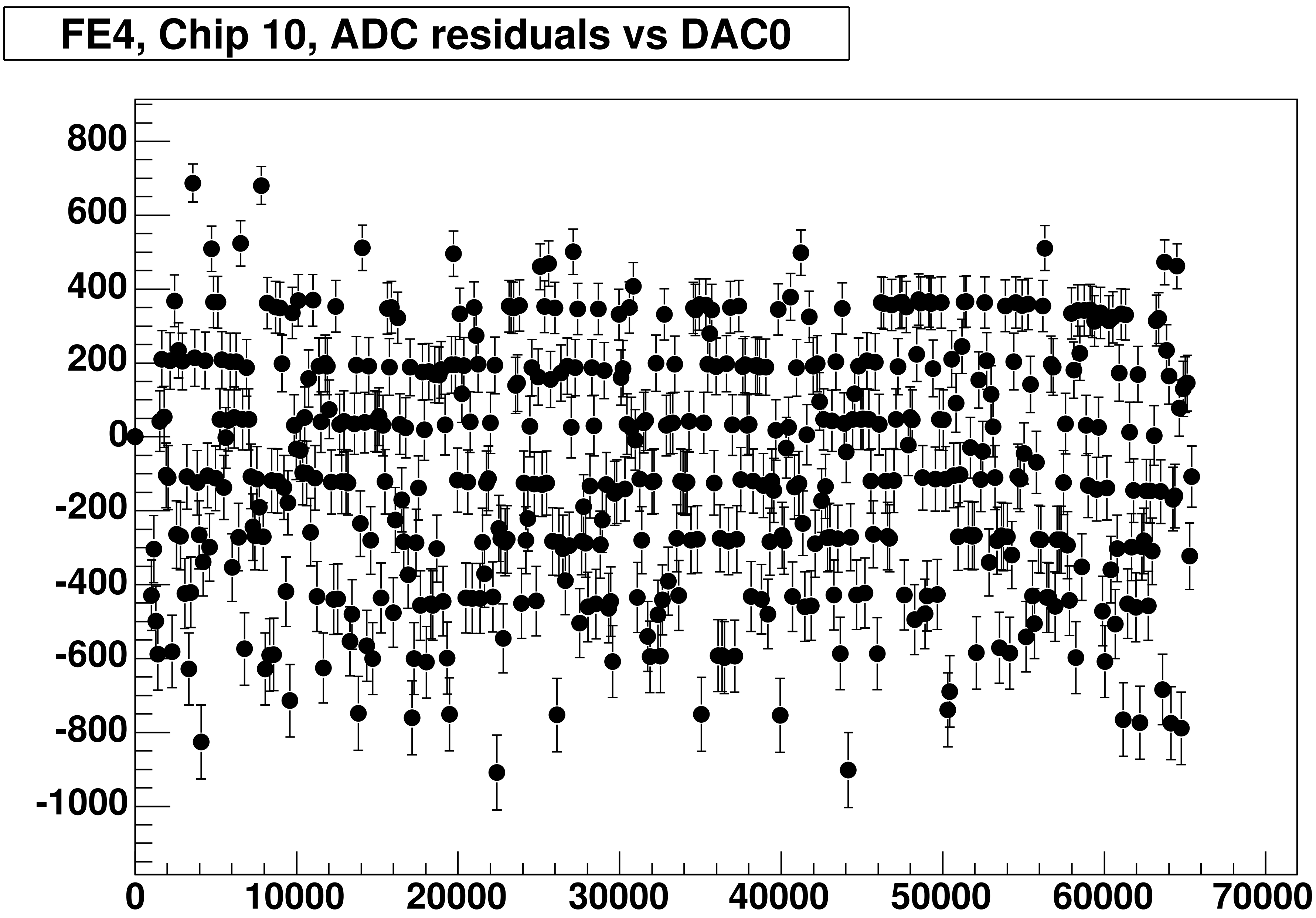


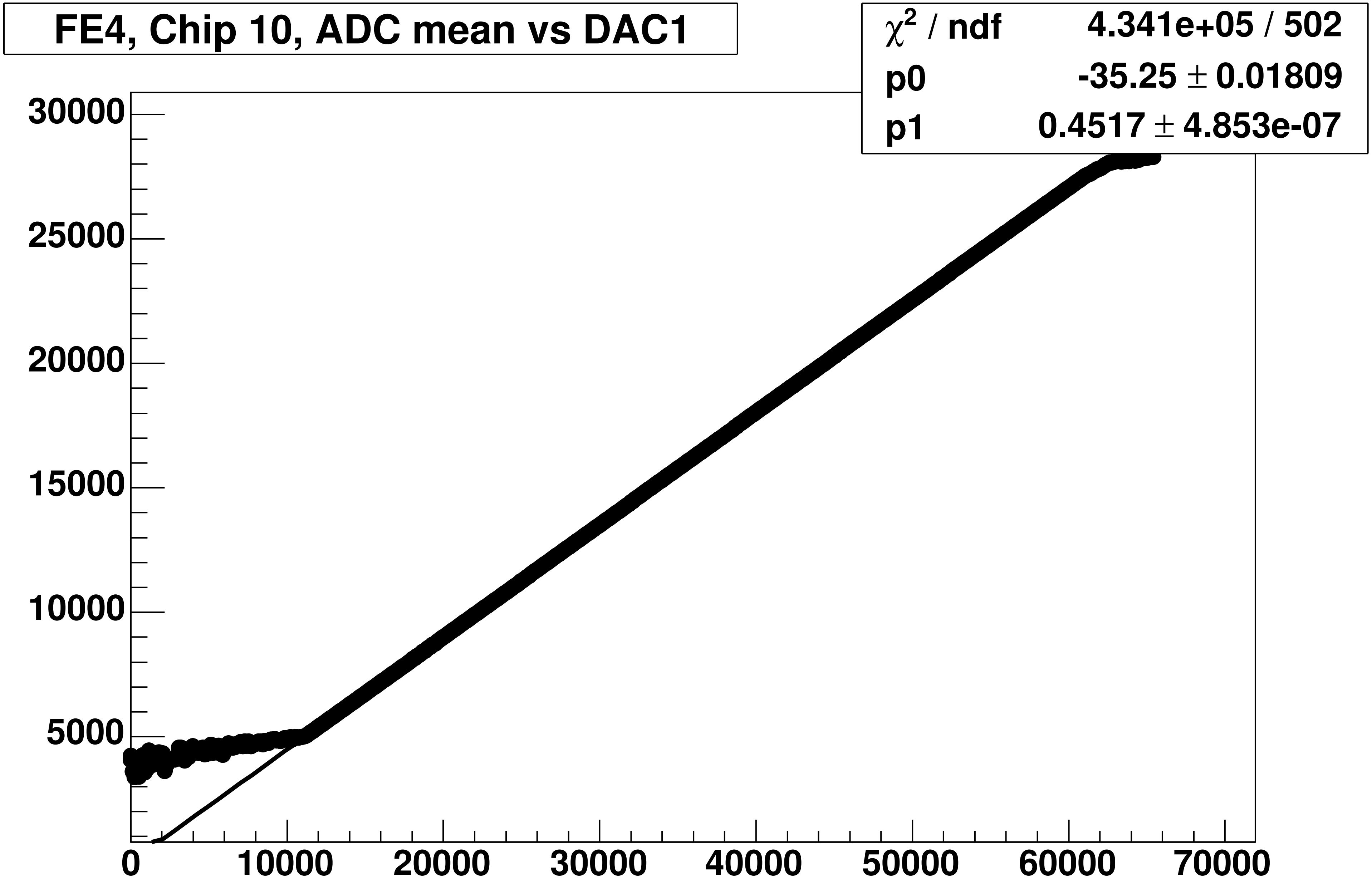
FE4, Chip 9, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 9, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

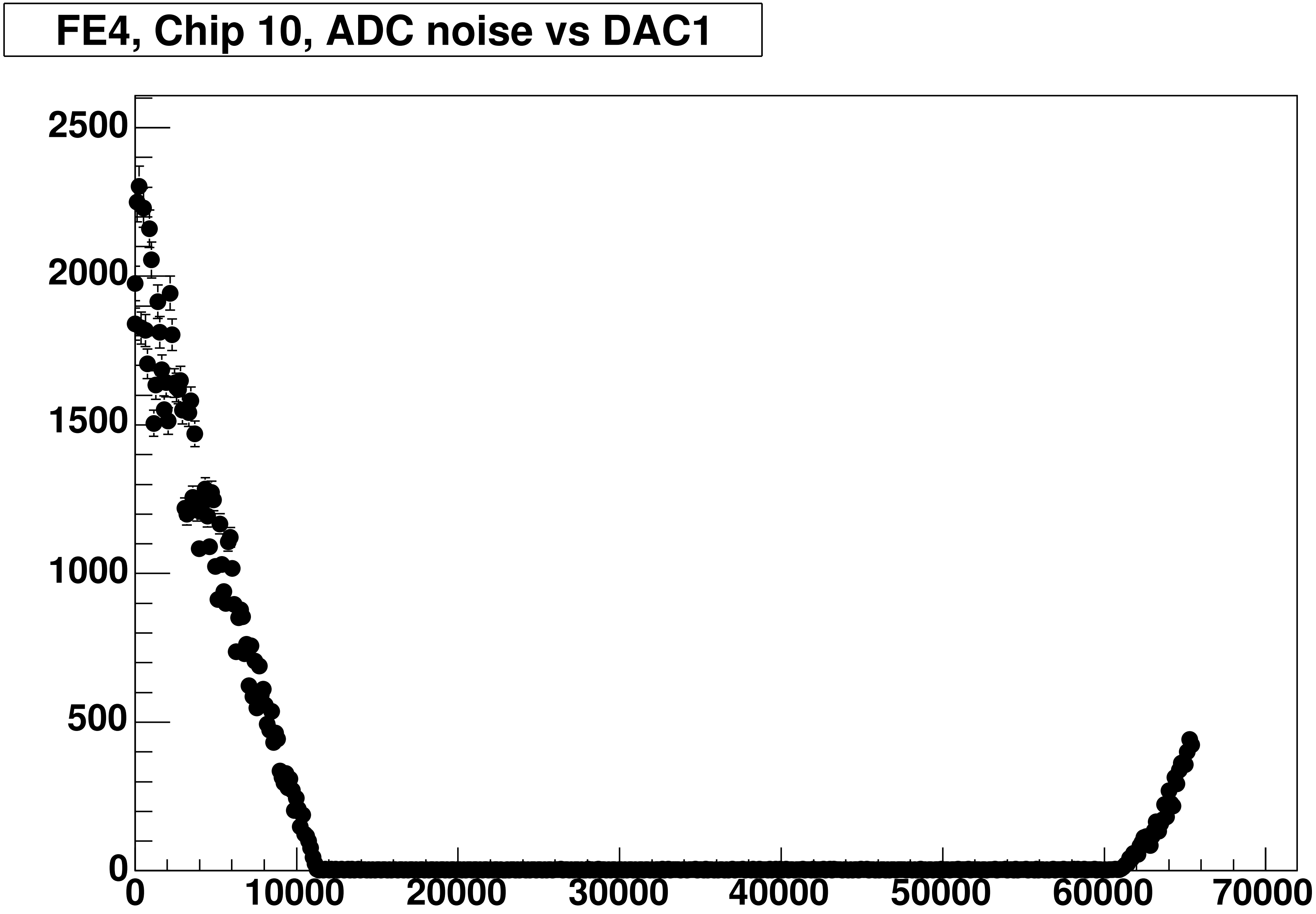

FE4, Chip 10, ADC mean vs DAC0
χ^2 / ndf 7809 / 502
p0 4033 ± 7.45
p1 -0.0002879 ± 0.0001948
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

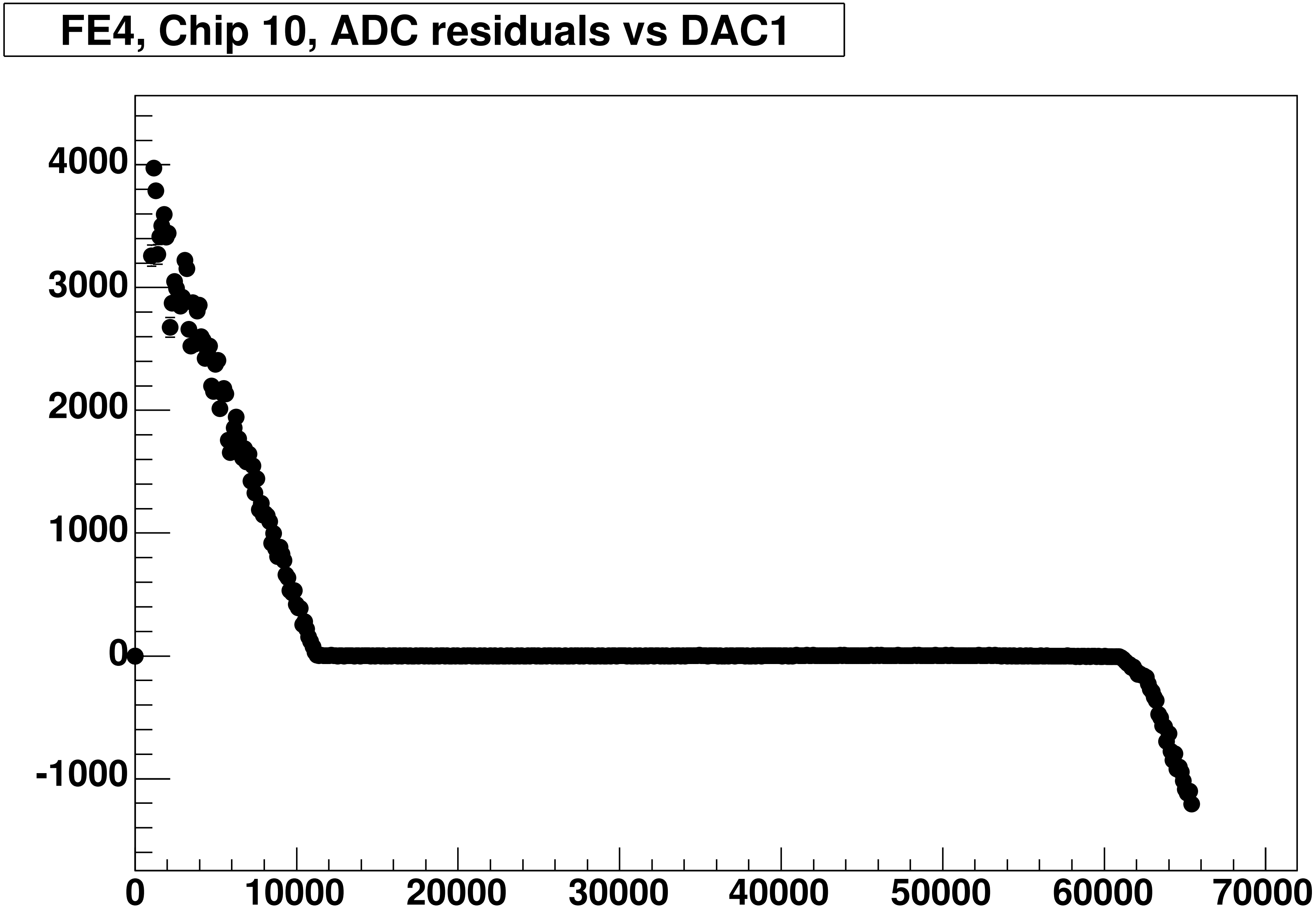

FE4, Chip 10, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

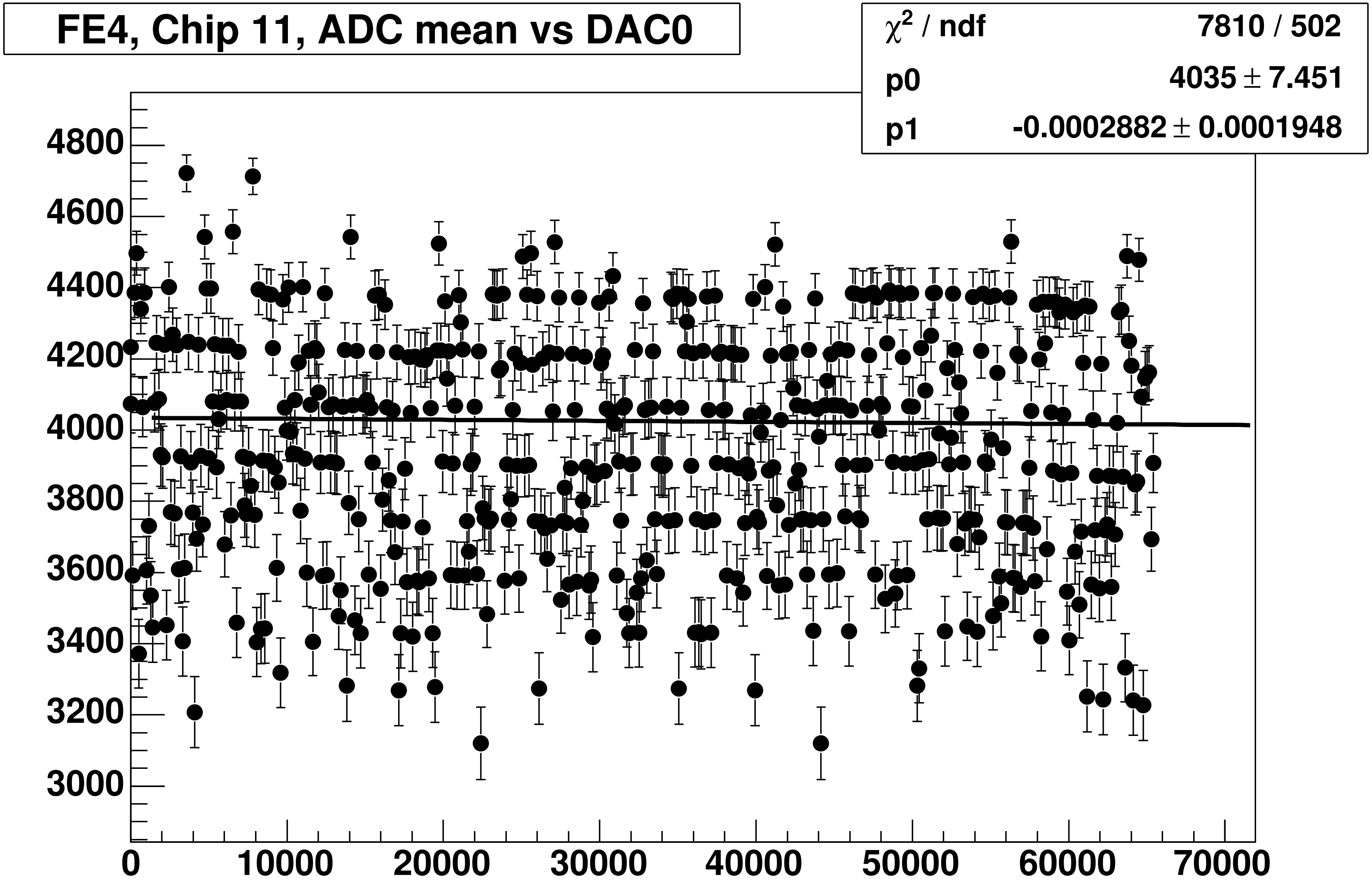

FE4, Chip 10, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

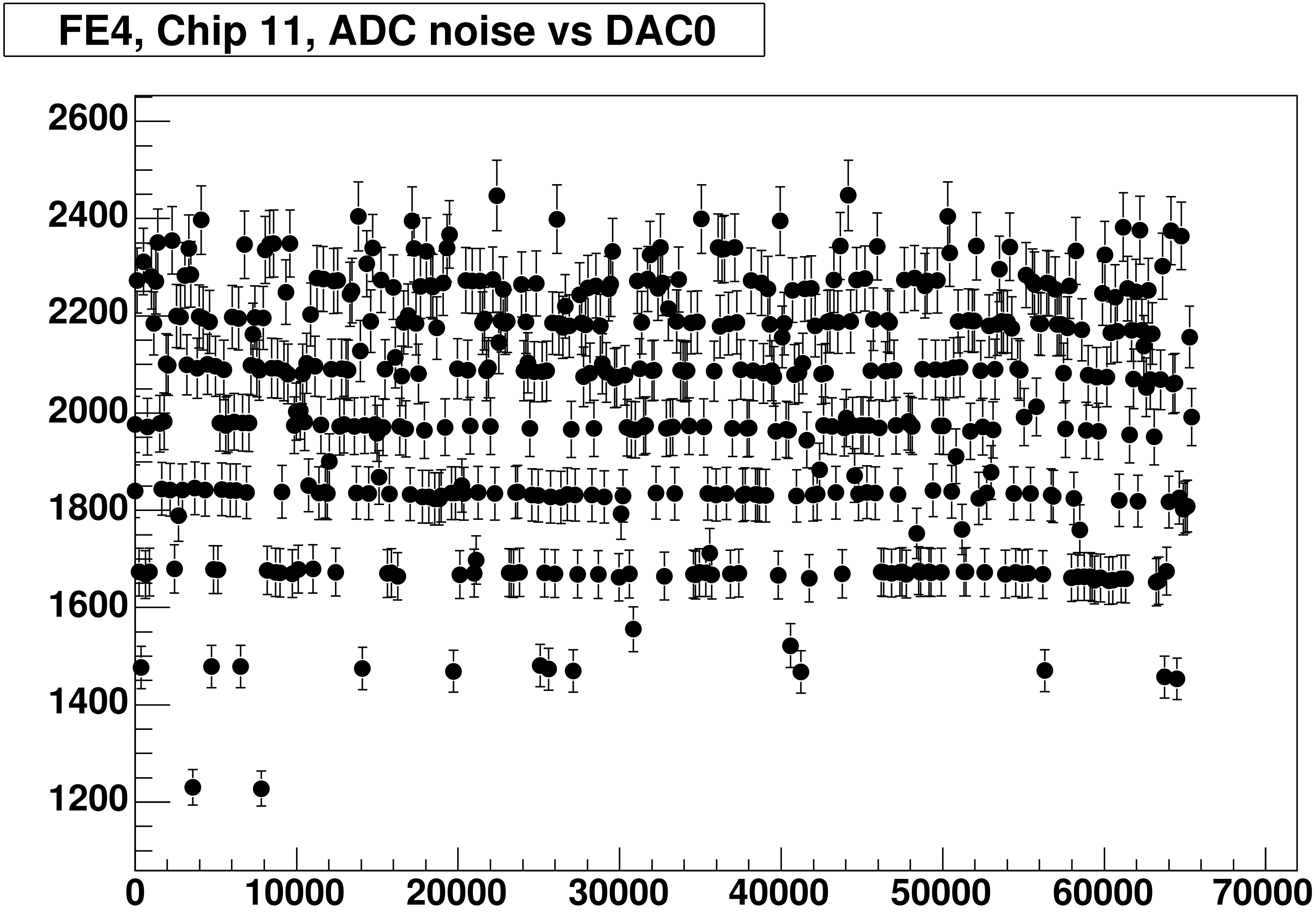


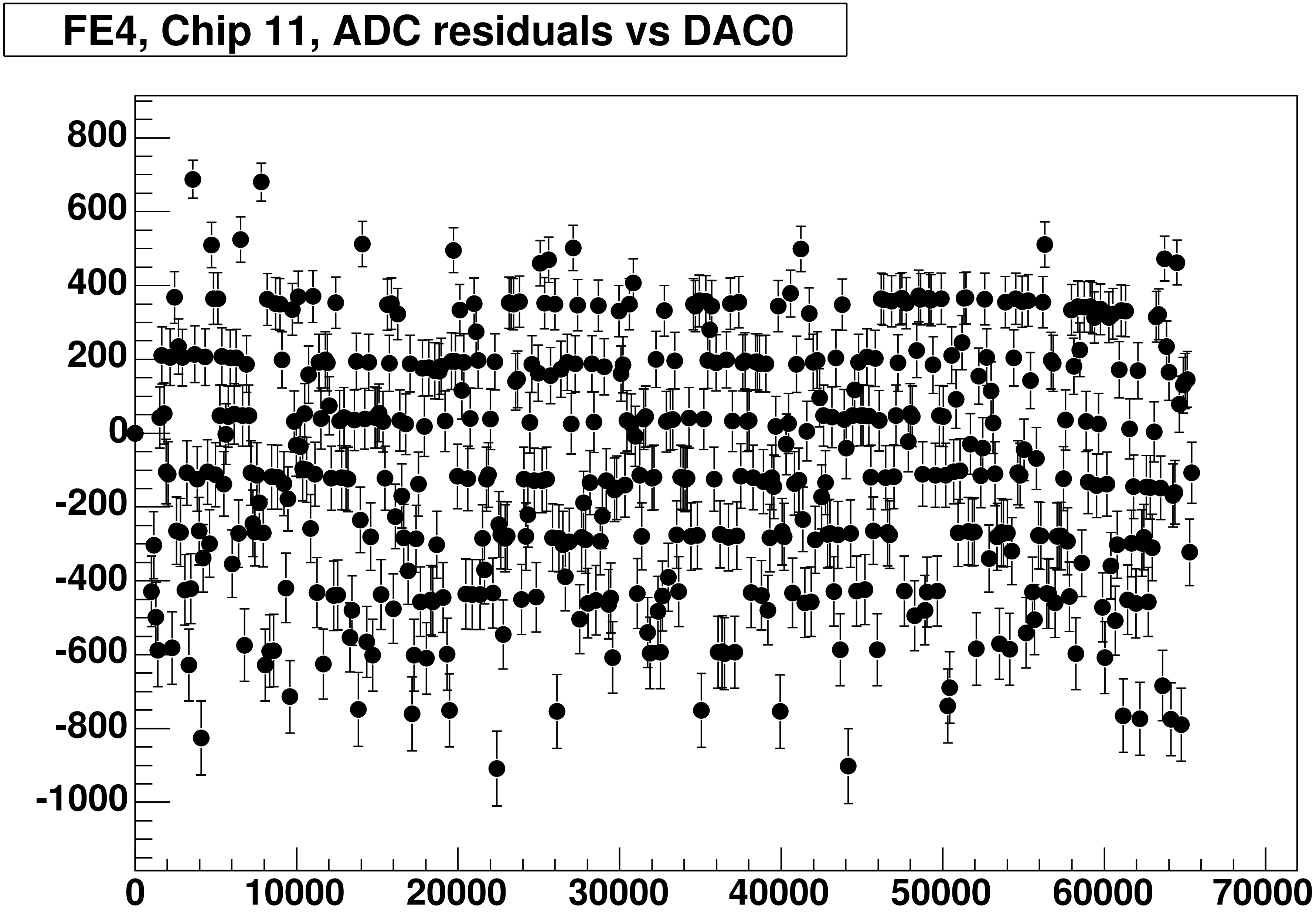
FE4, Chip 10, ADC mean vs DAC1
χ2 / ndf 4.341e+05 / 502
p0 -35.25 ± 0.01809
p1 0.4517 ± 4.853e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

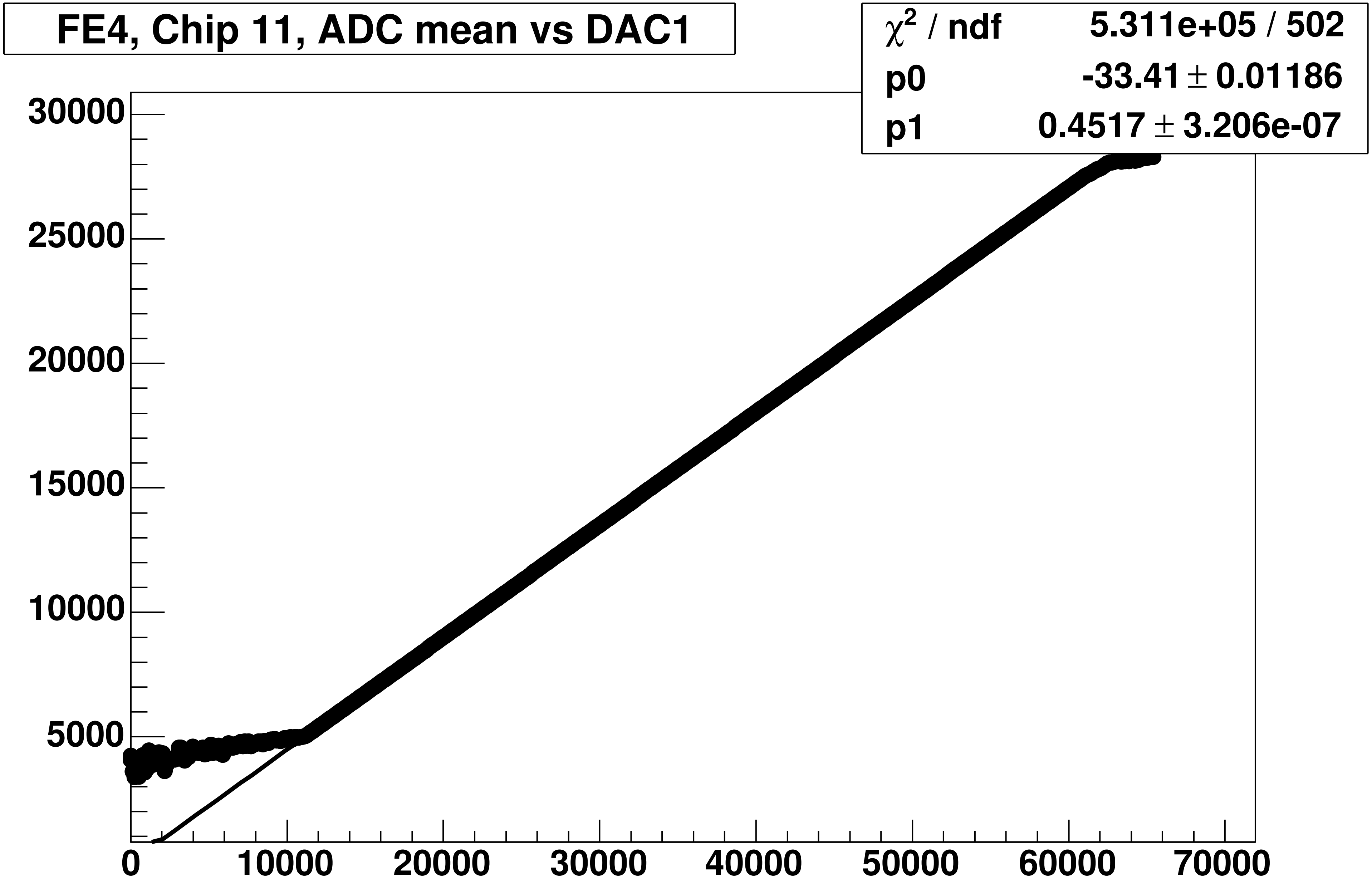

FE4, Chip 10, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

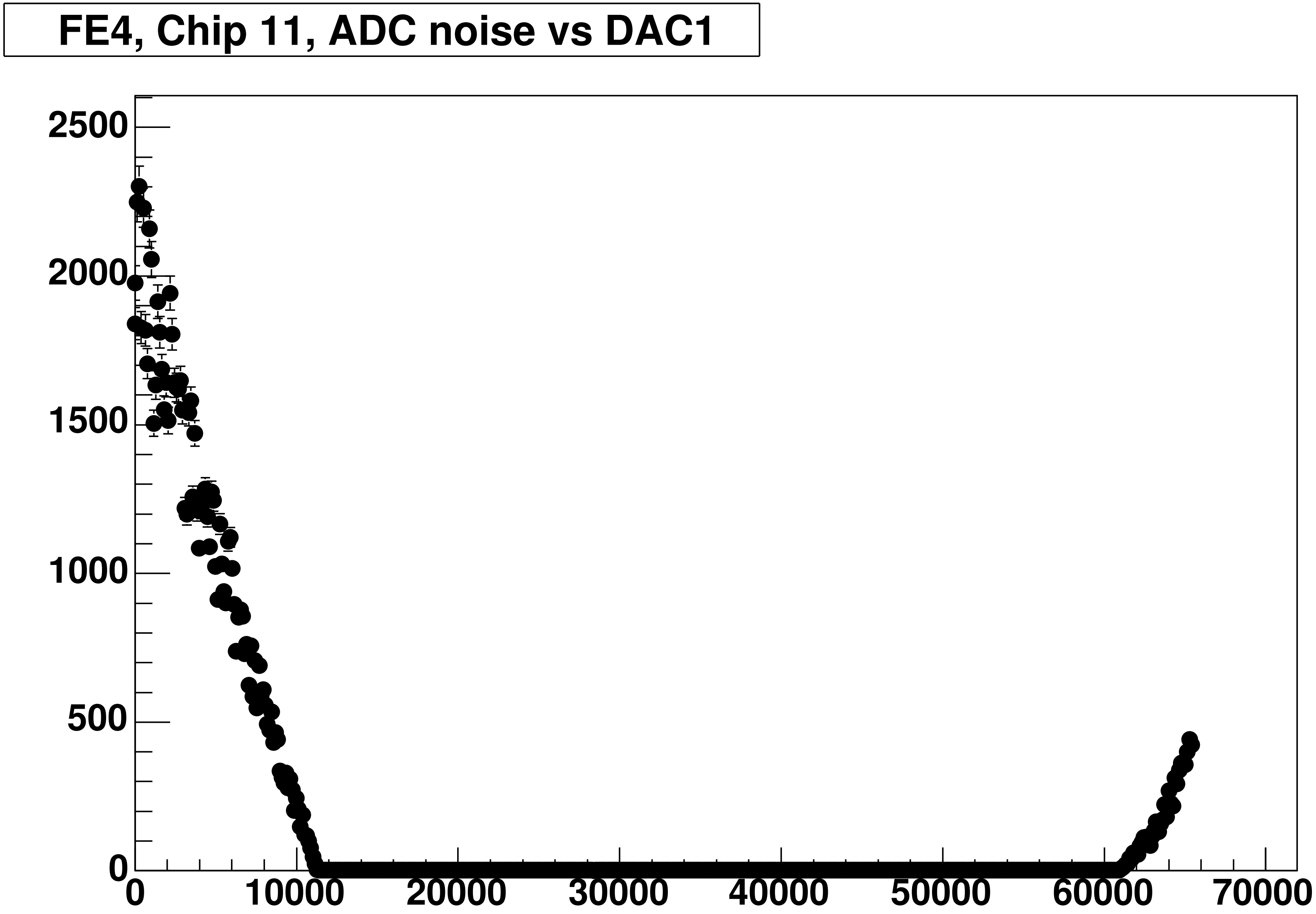

FE4, Chip 10, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

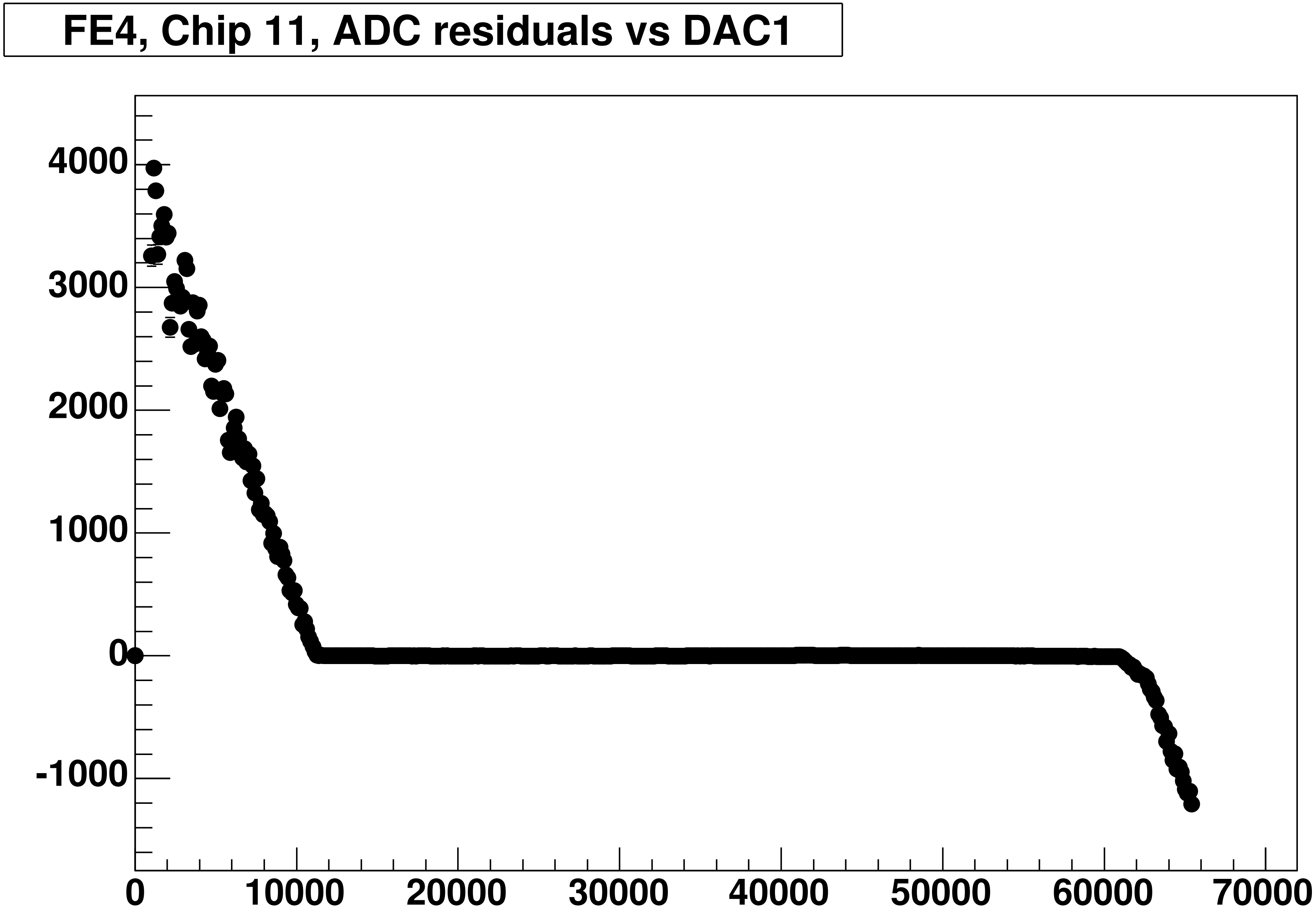

FE4, Chip 11, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 4035 ± 7.451
p1 -0.0002882 ± 0.0001948
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

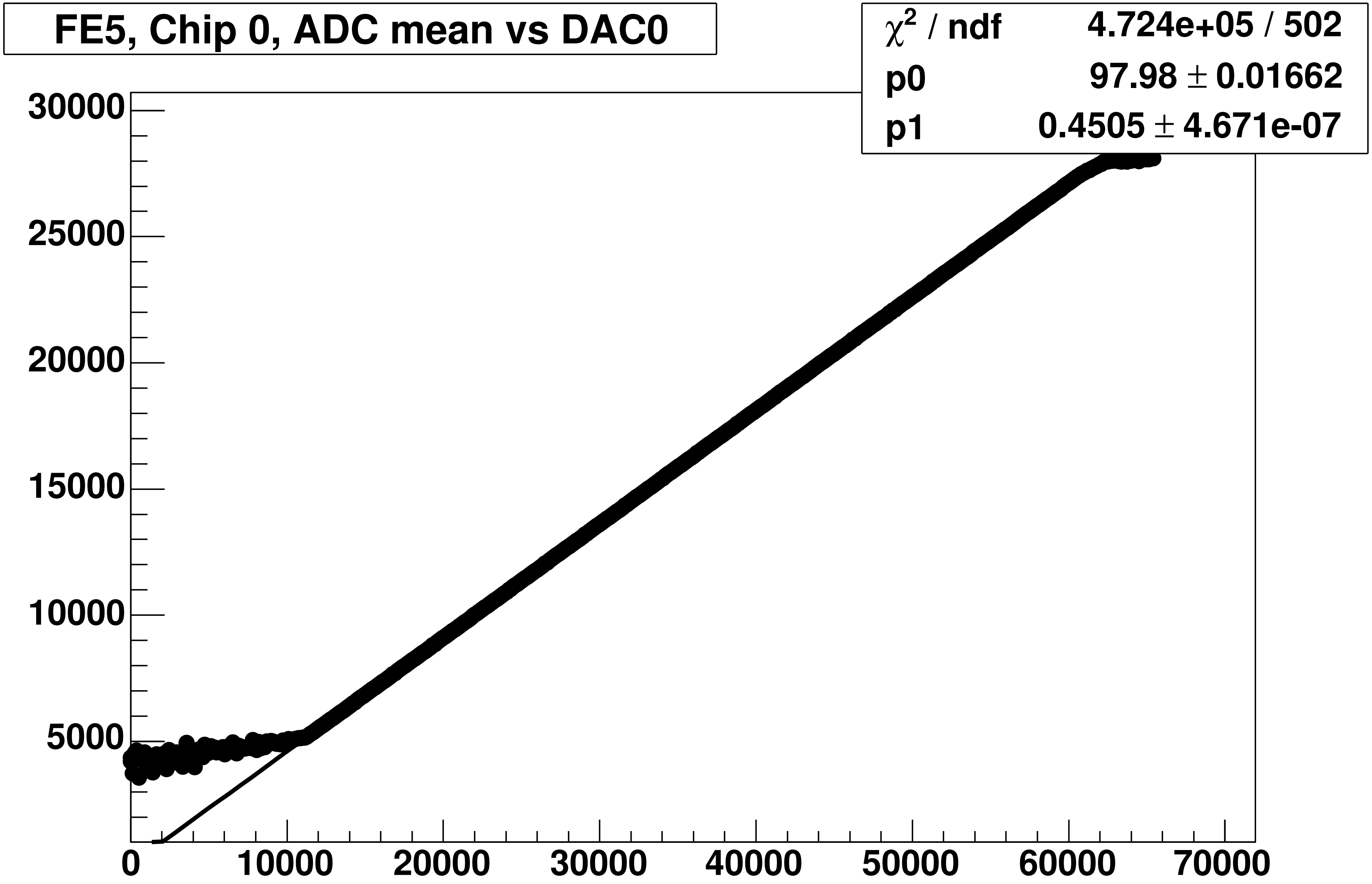

FE4, Chip 11, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 11, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

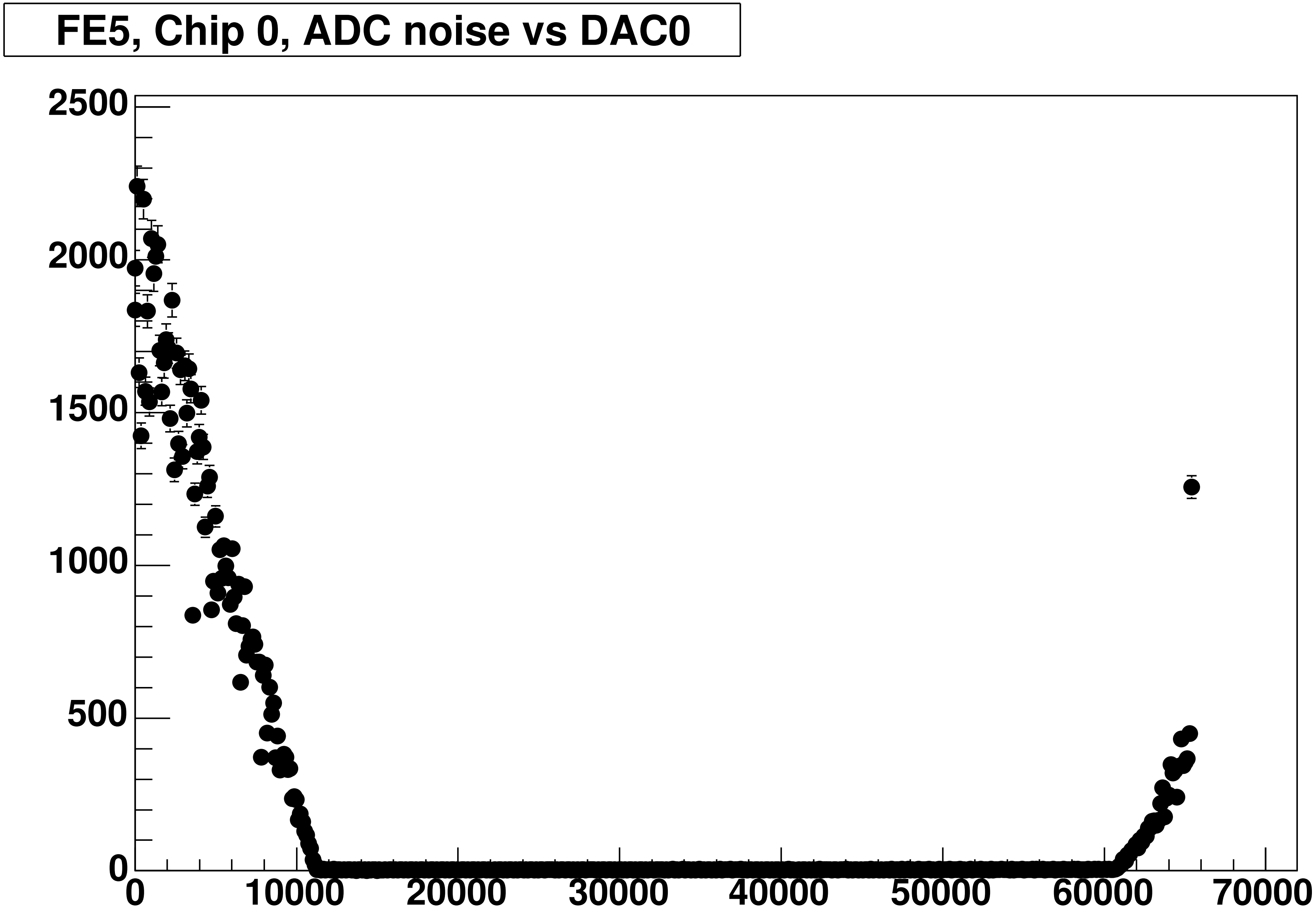

FE4, Chip 11, ADC mean vs DAC1
χ^2 / ndf 5.311e+05 / 502
p0 -33.41 ± 0.01186
p1 0.4517 ± 3.206e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE4, Chip 11, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

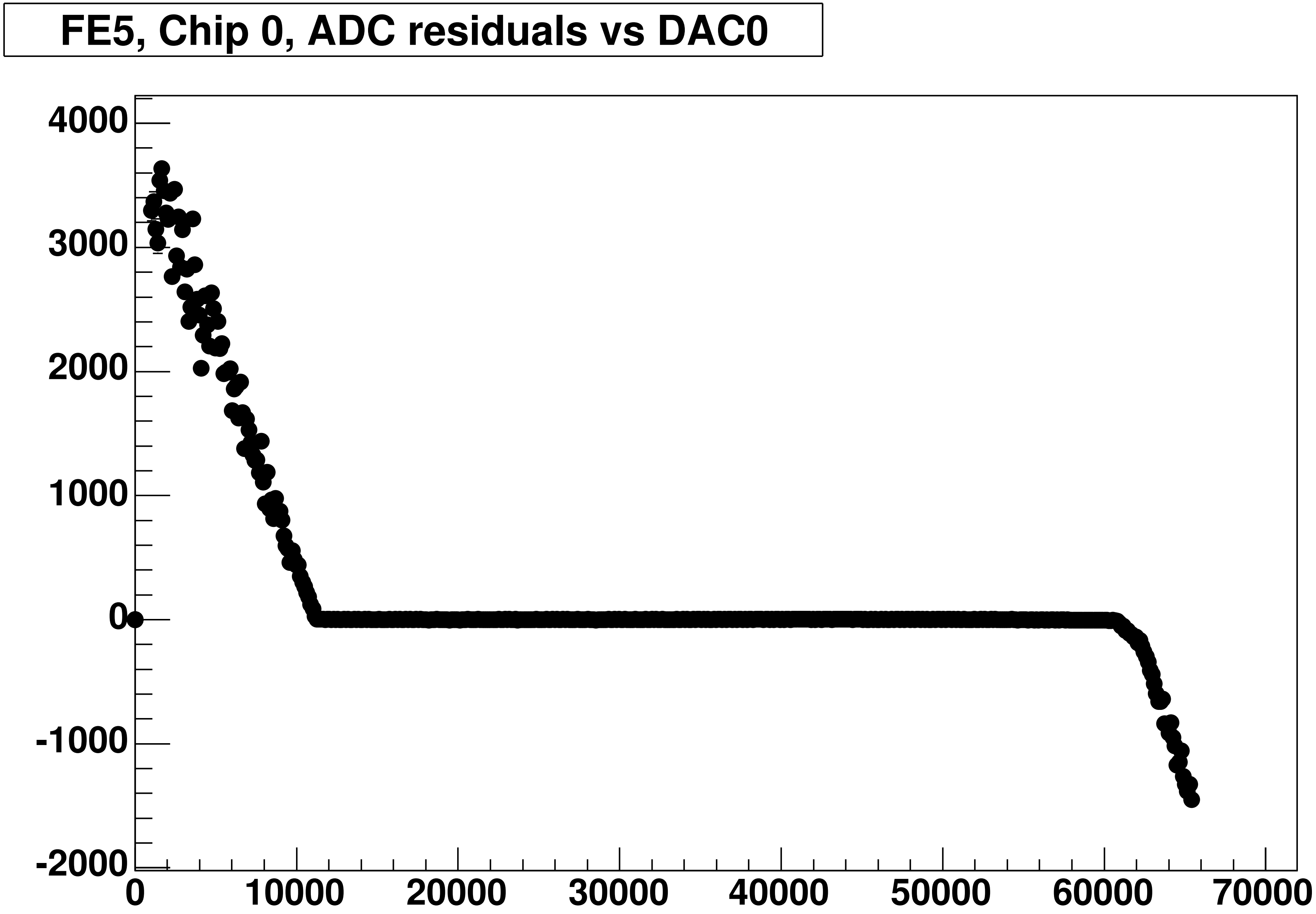

FE4, Chip 11, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

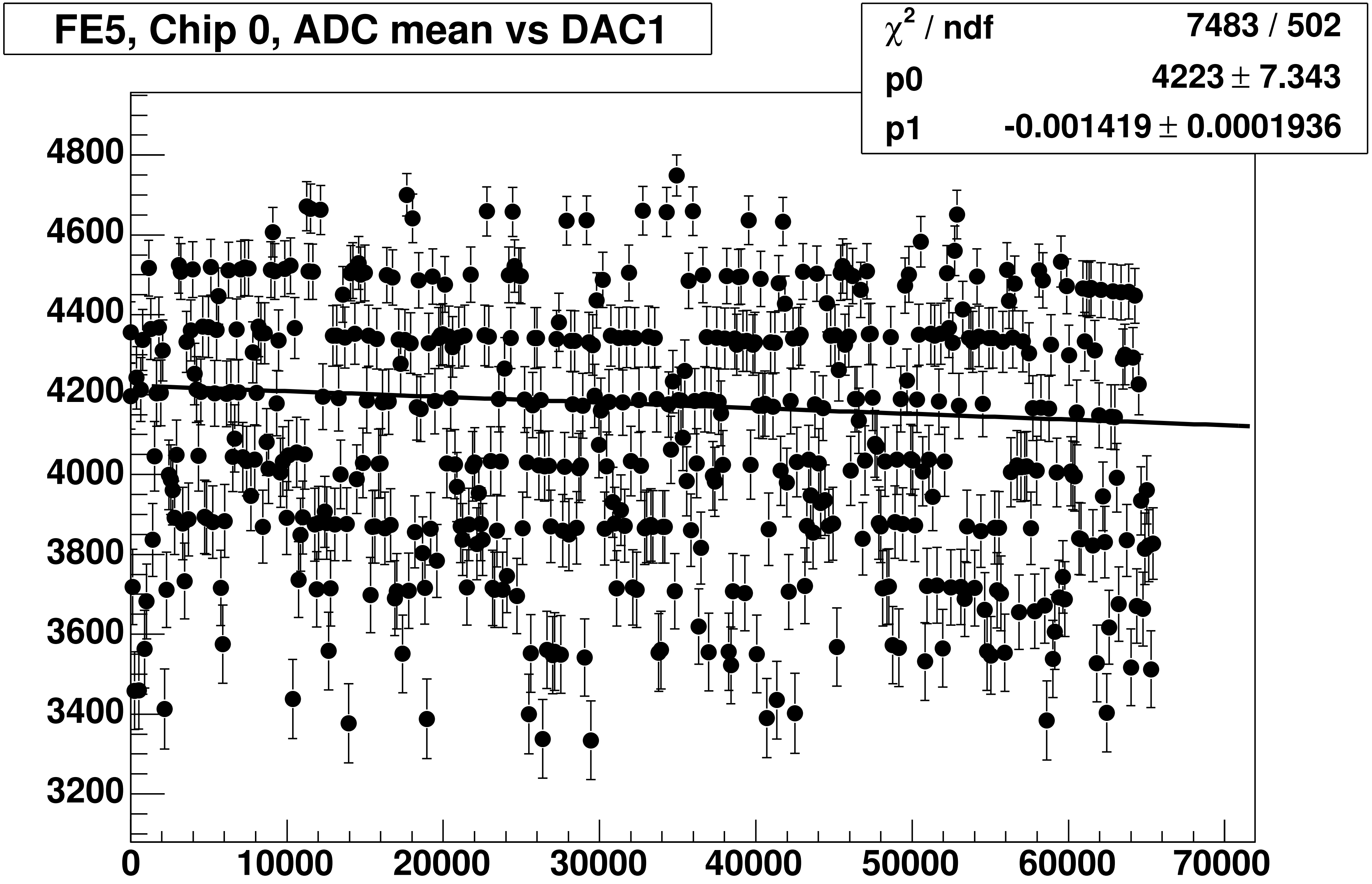


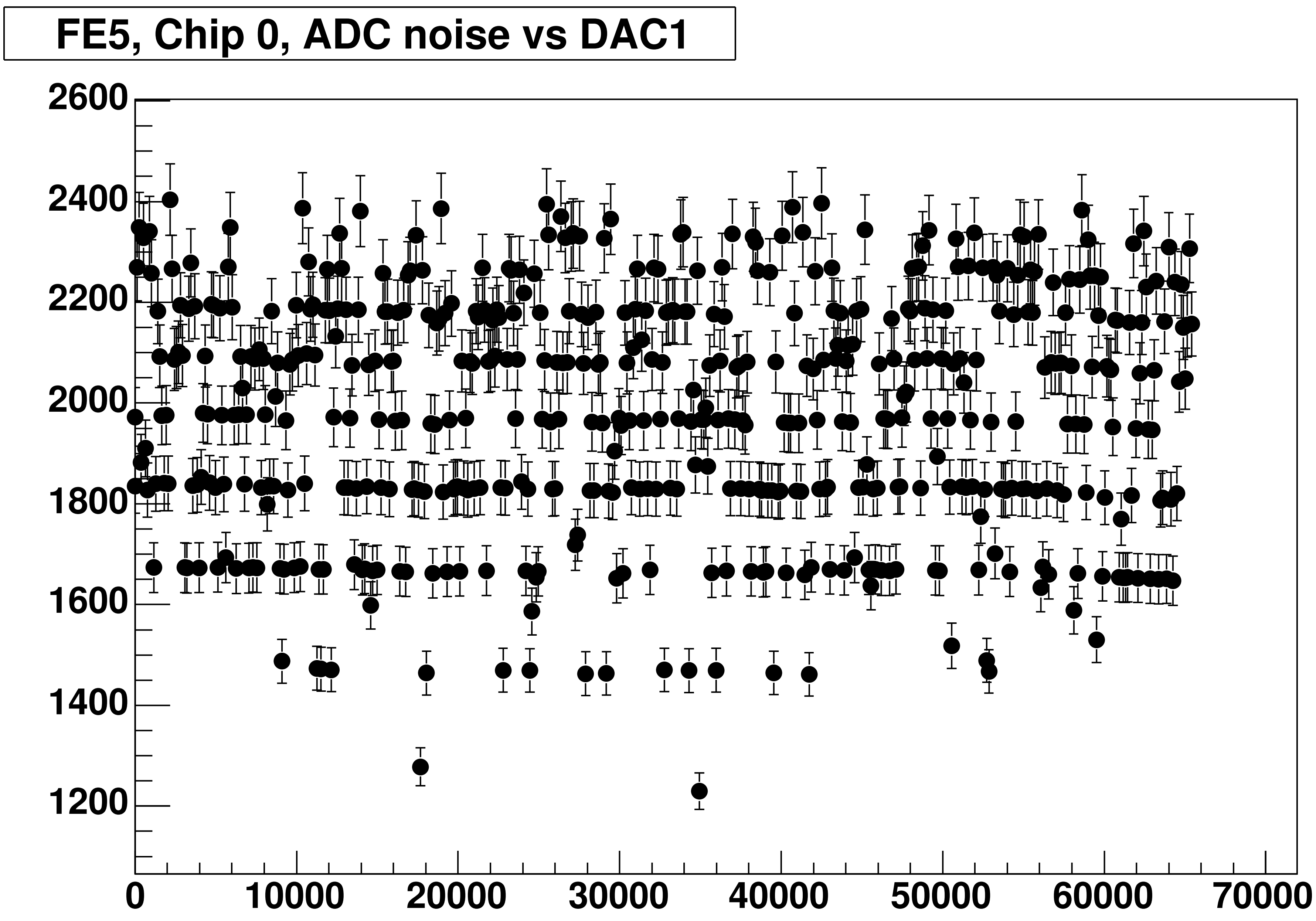
FE5, Chip 0, ADC mean vs DAC0
χ^2 / ndf 4.724e+05 / 502
p0 97.98 ± 0.01662
p1 0.4505 ± 4.671e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

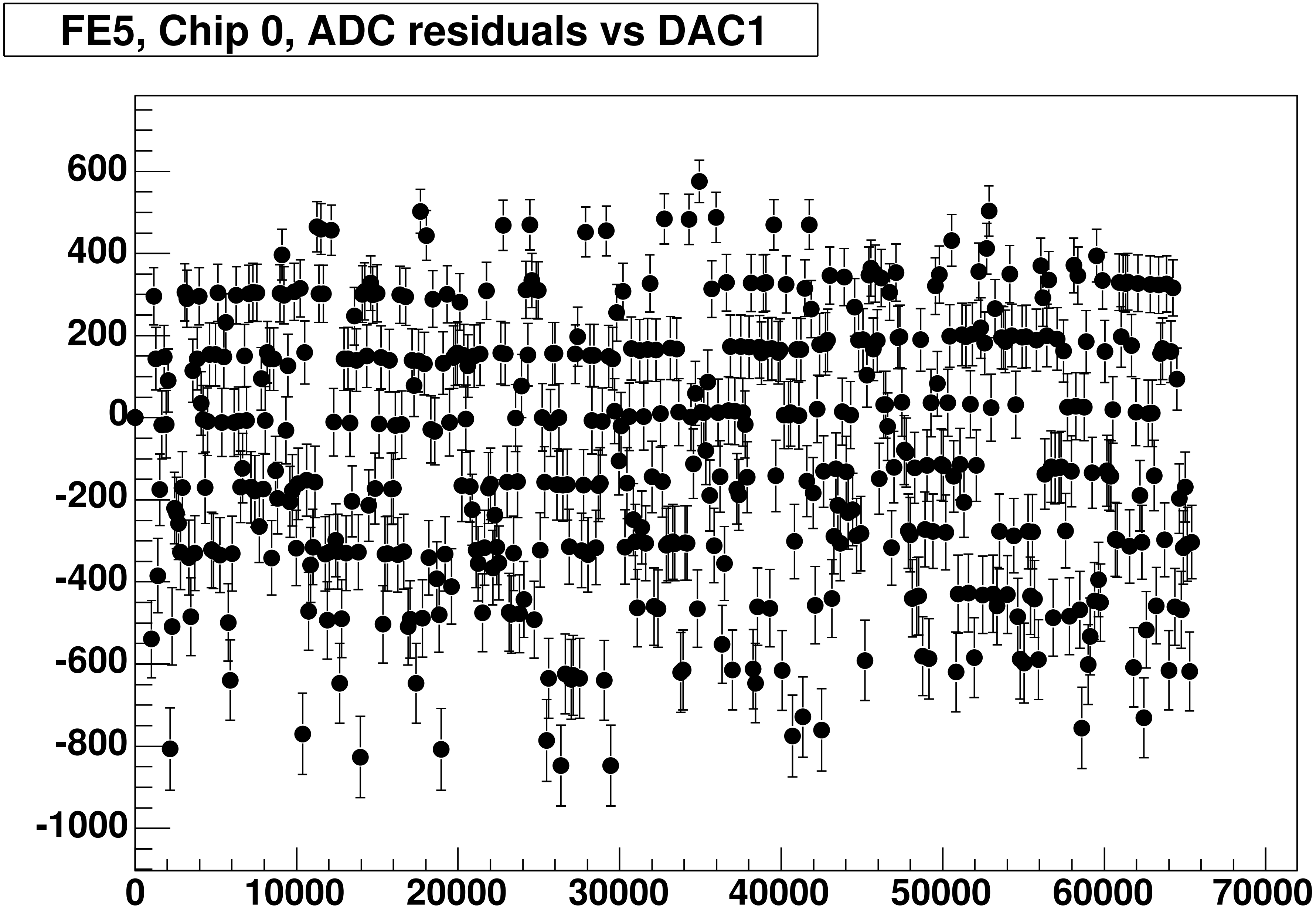


FE5, Chip 0, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

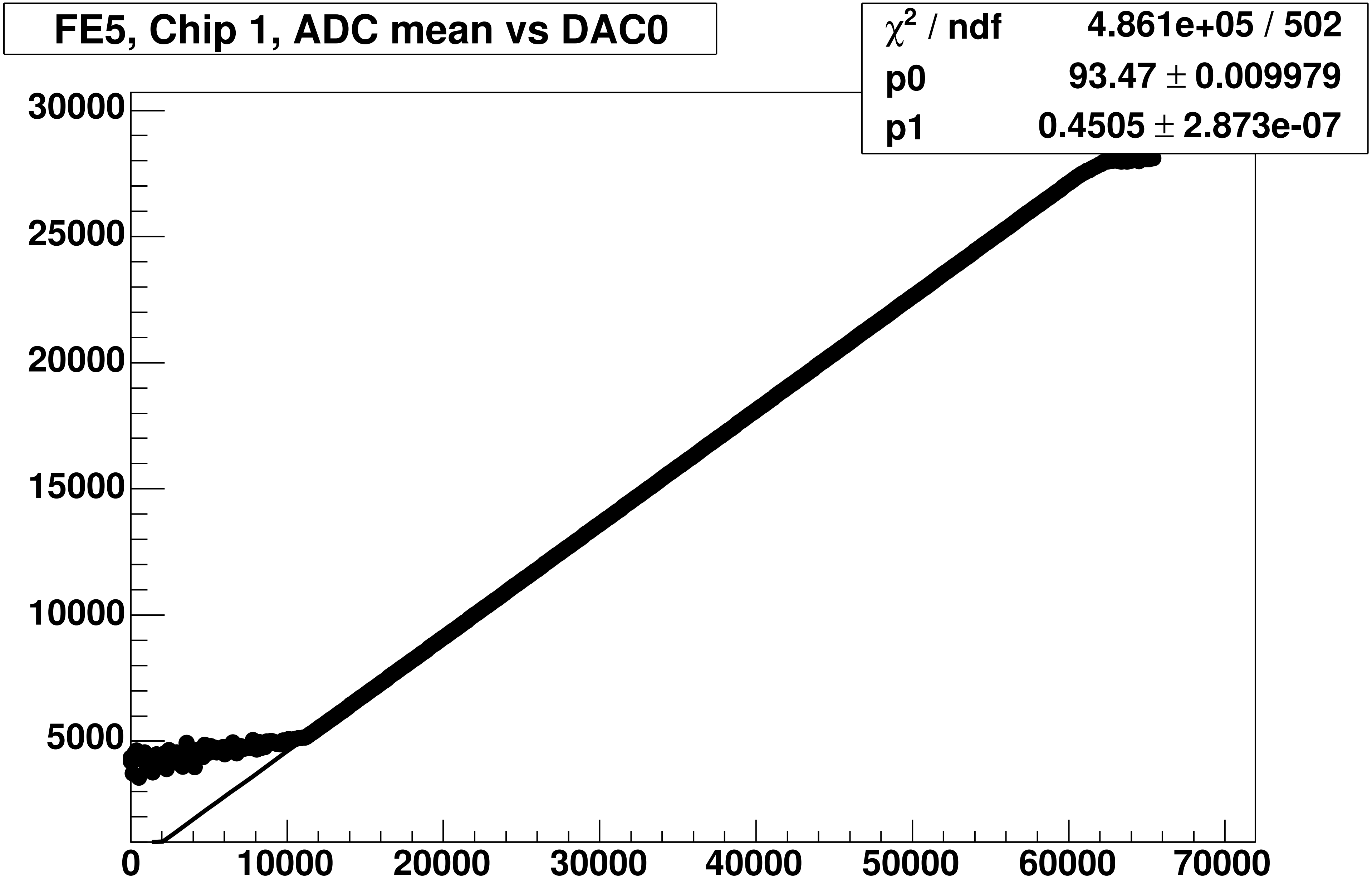

FE5, Chip 0, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

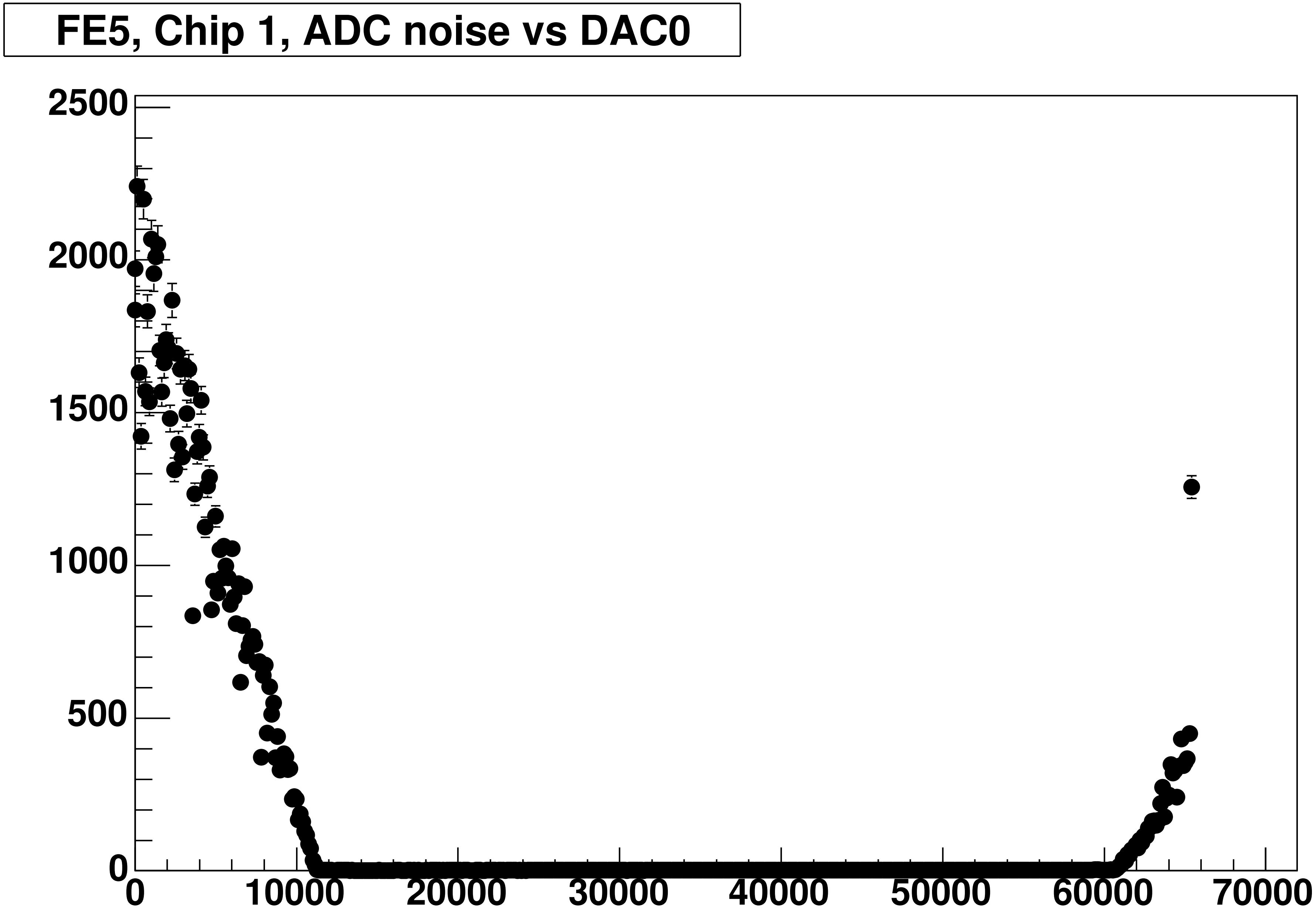

FE5, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4223 ± 7.343
p1 -0.001419 ± 0.0001936
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

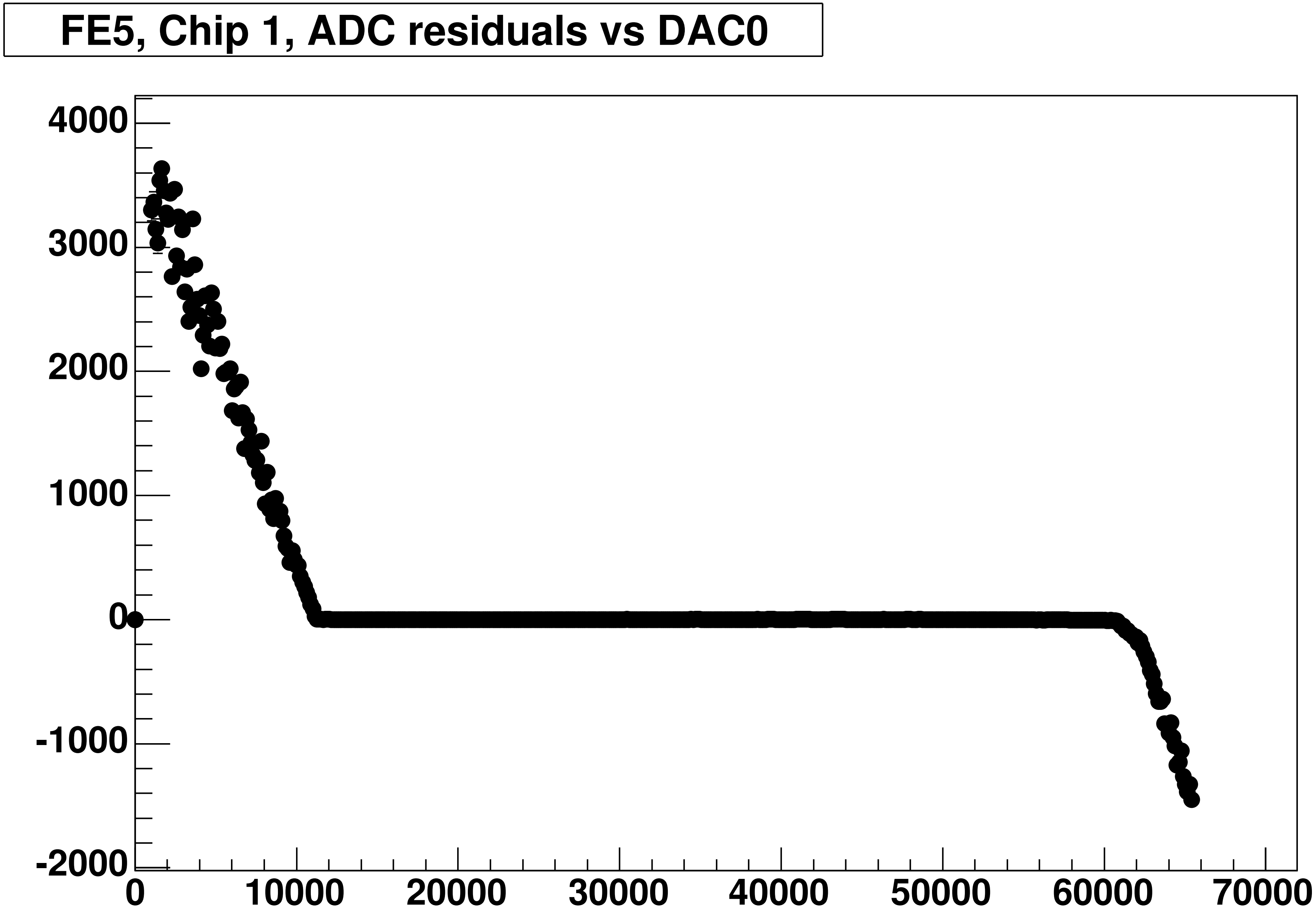

FE5, Chip 0, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

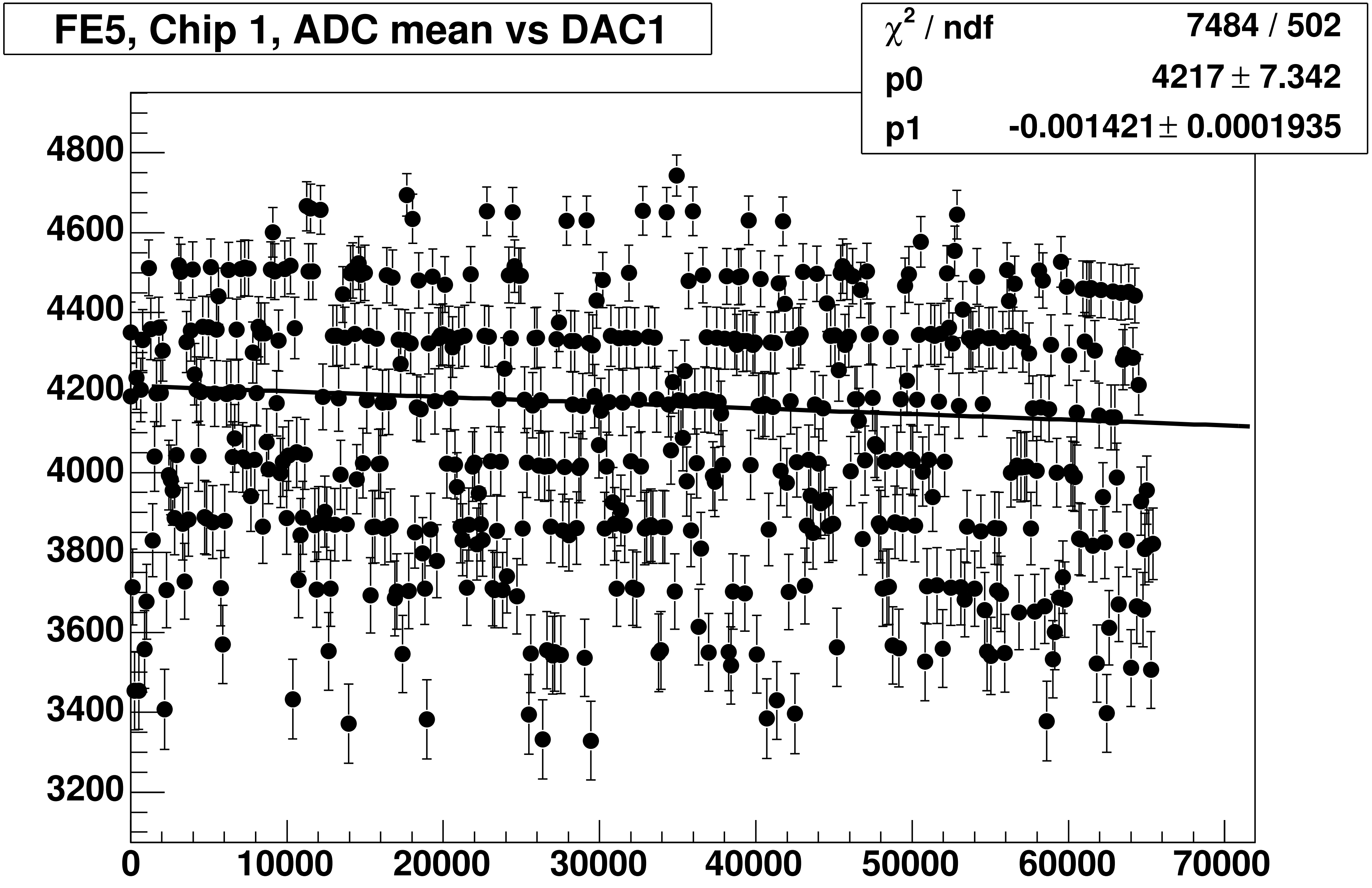


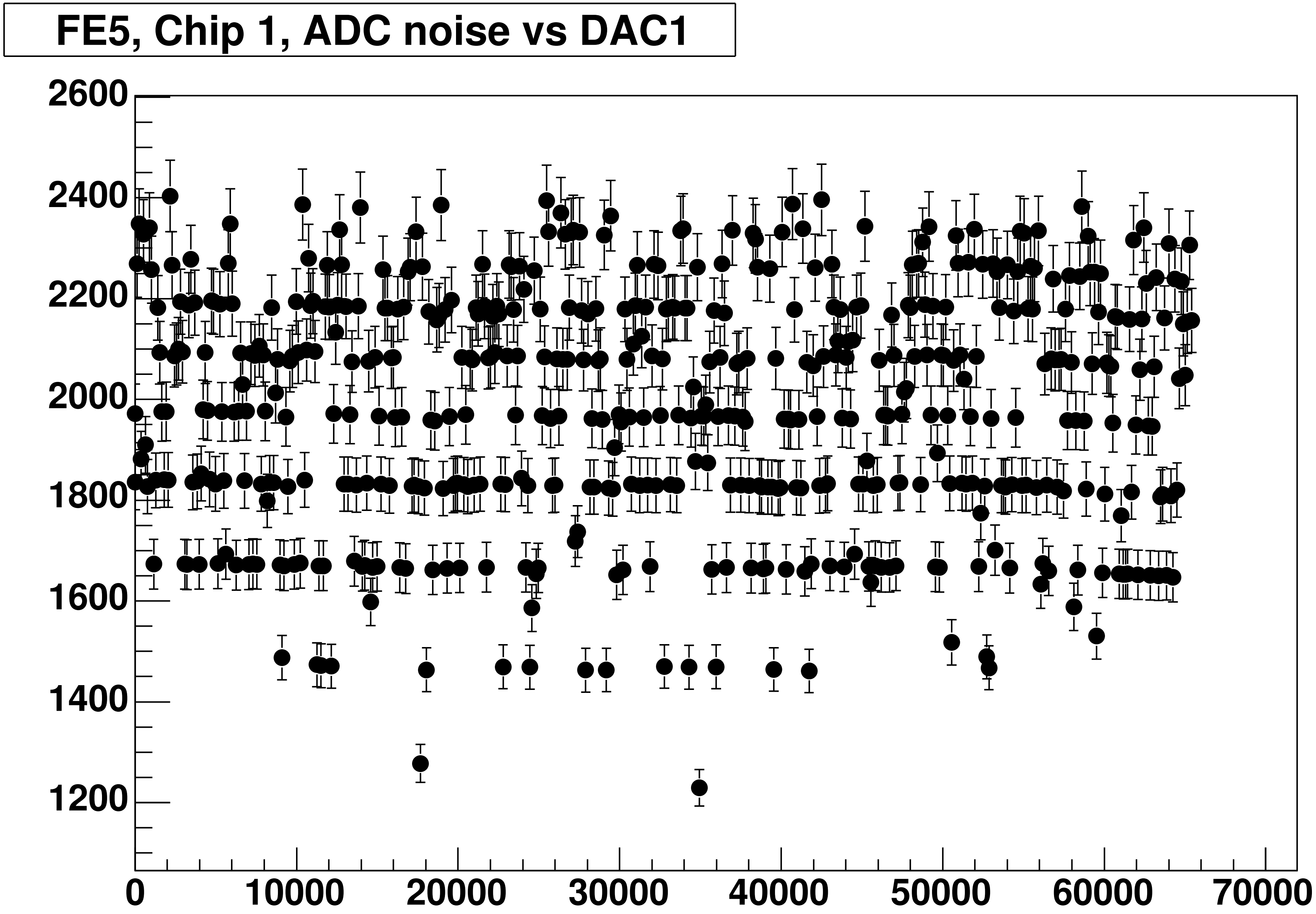
FE5, Chip 0, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

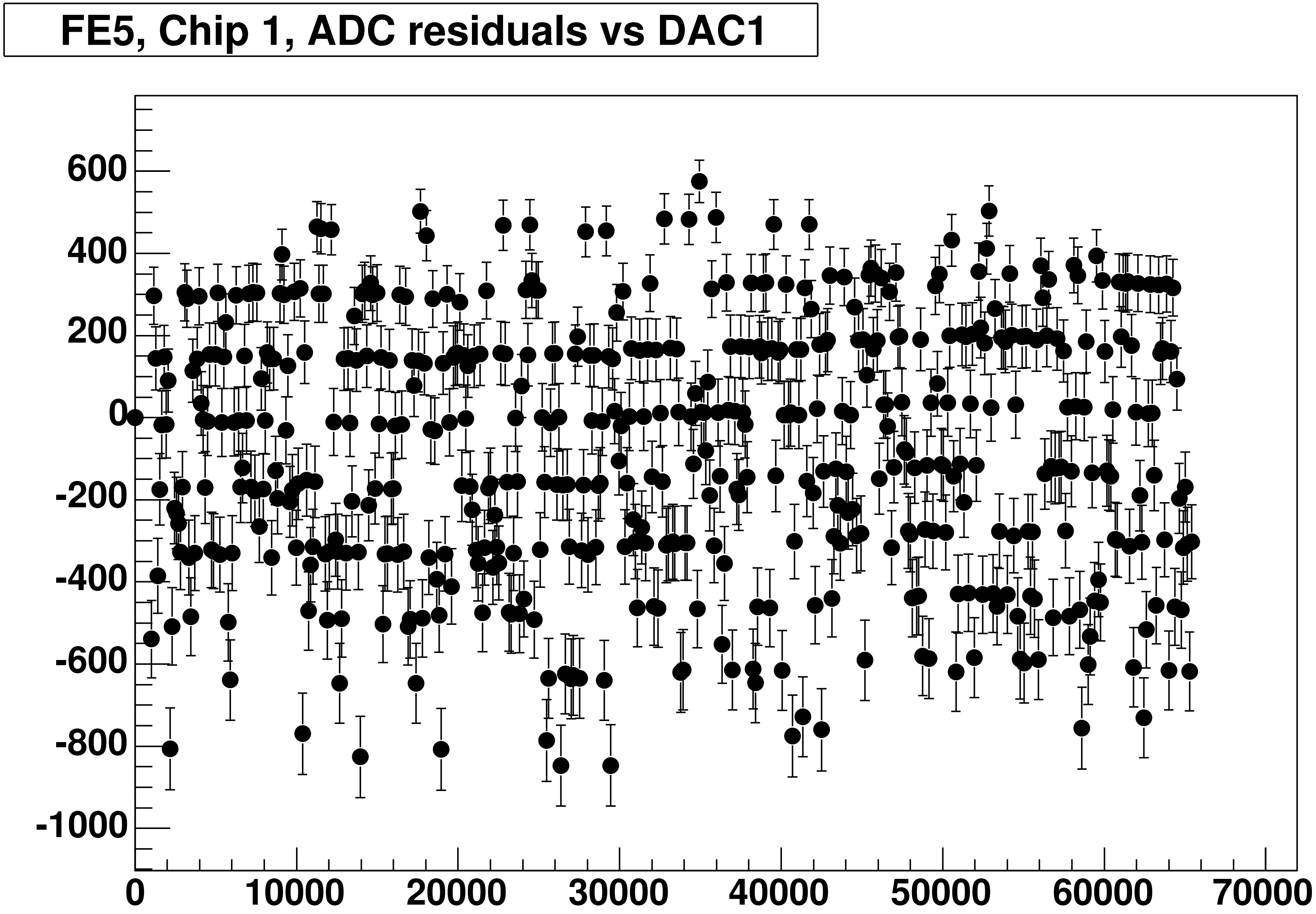

FE5, Chip 1, ADC mean vs DAC0
χ^2 / ndf 4.861e+05 / 502
p0 93.47 ± 0.009979
p1 0.4505 ± 2.873e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

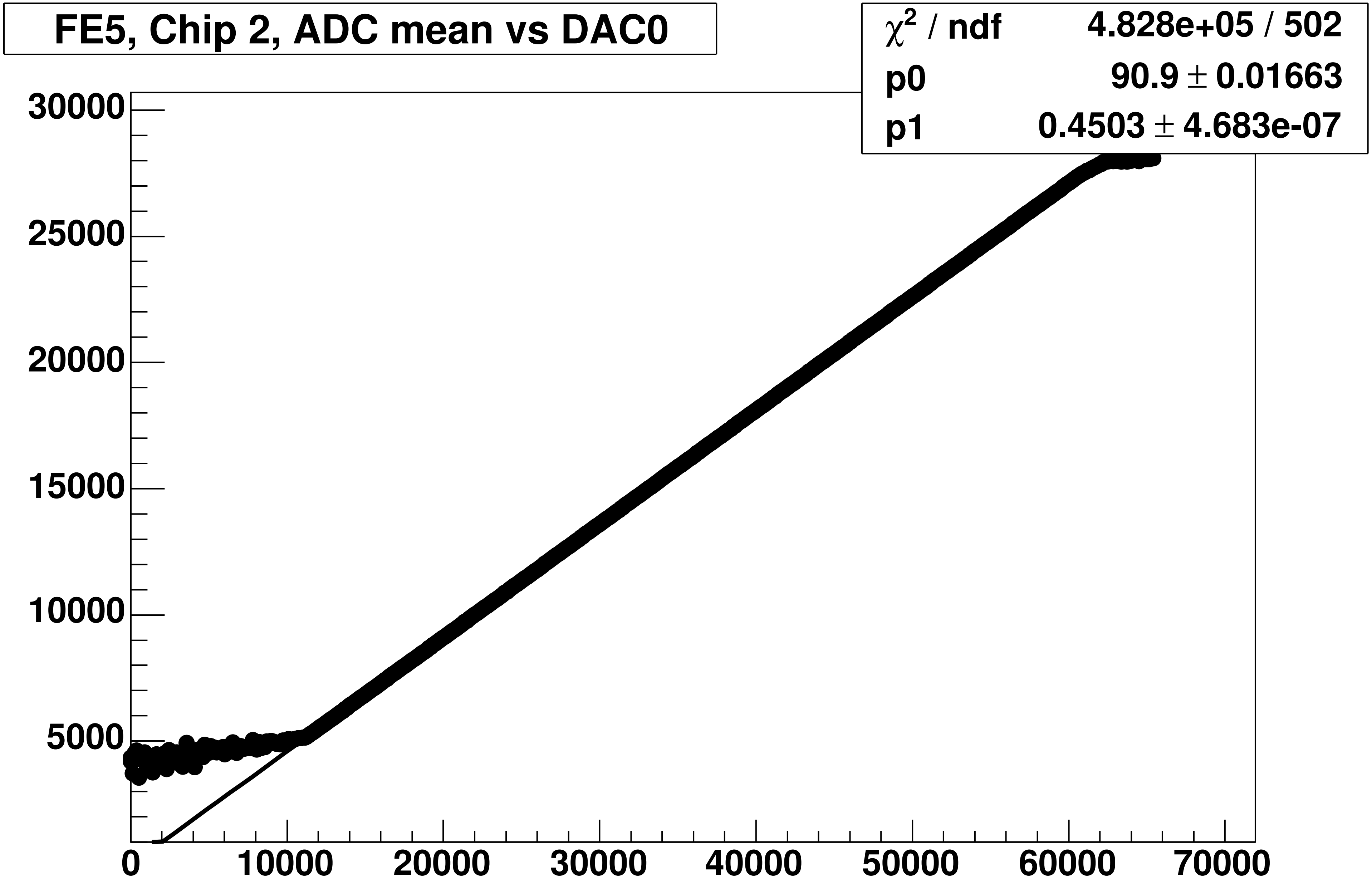

FE5, Chip 1, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

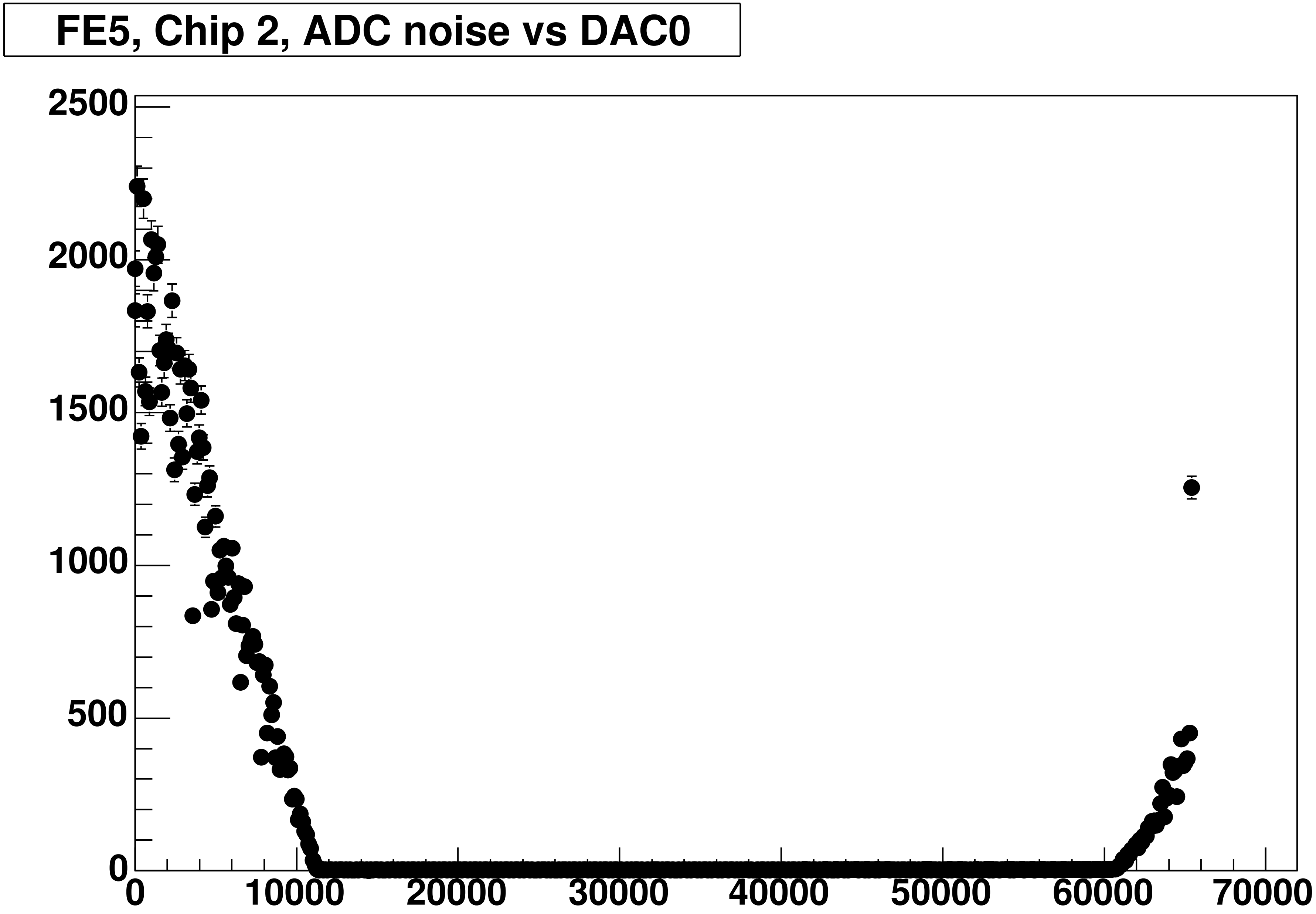

FE5, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

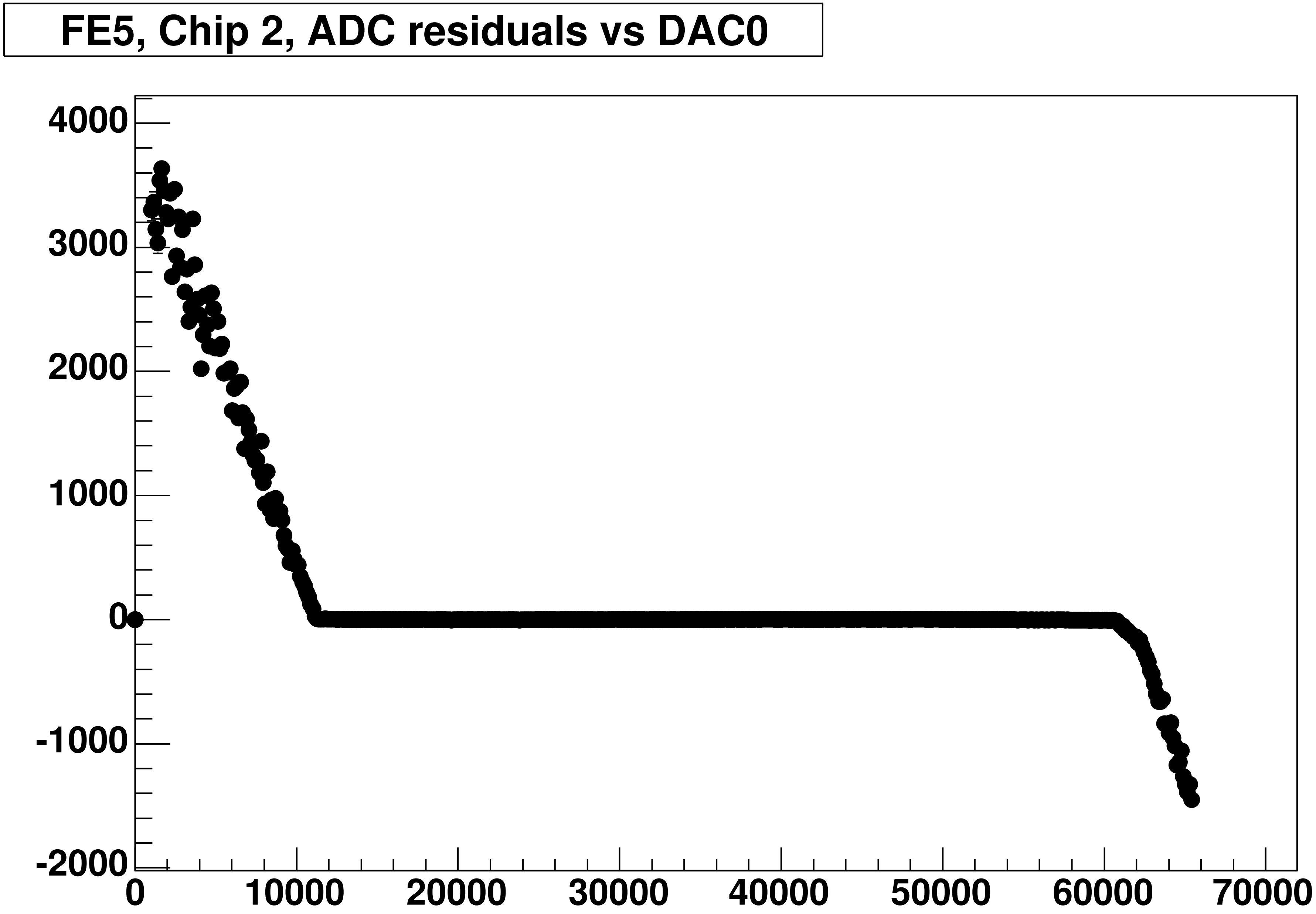

FE5, Chip 1, ADC mean vs DAC1
χ2 / ndf 7484 / 502
p0 4217 ± 7.342
p1 -0.001421± 0.0001935
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

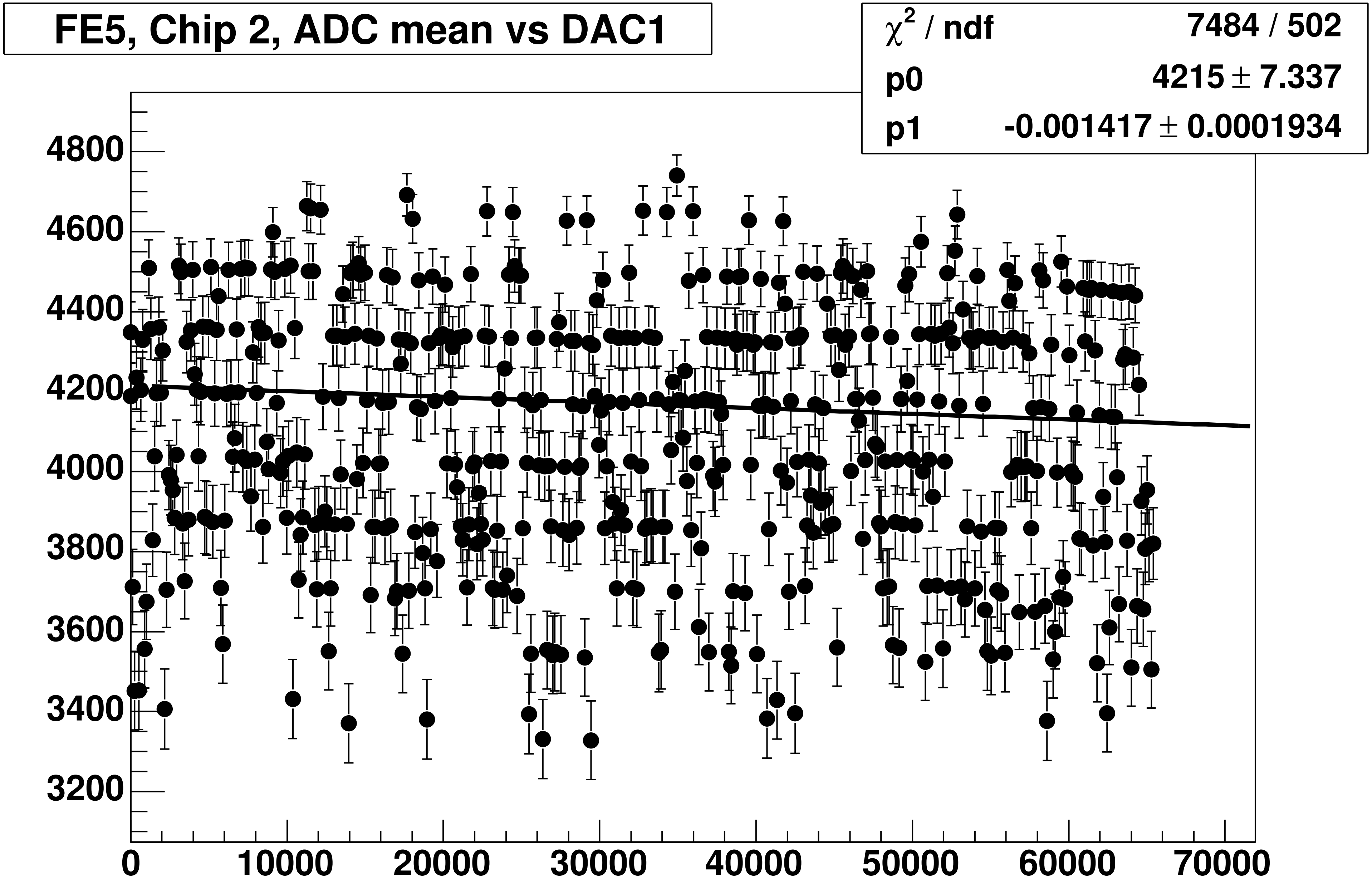

FE5, Chip 1, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

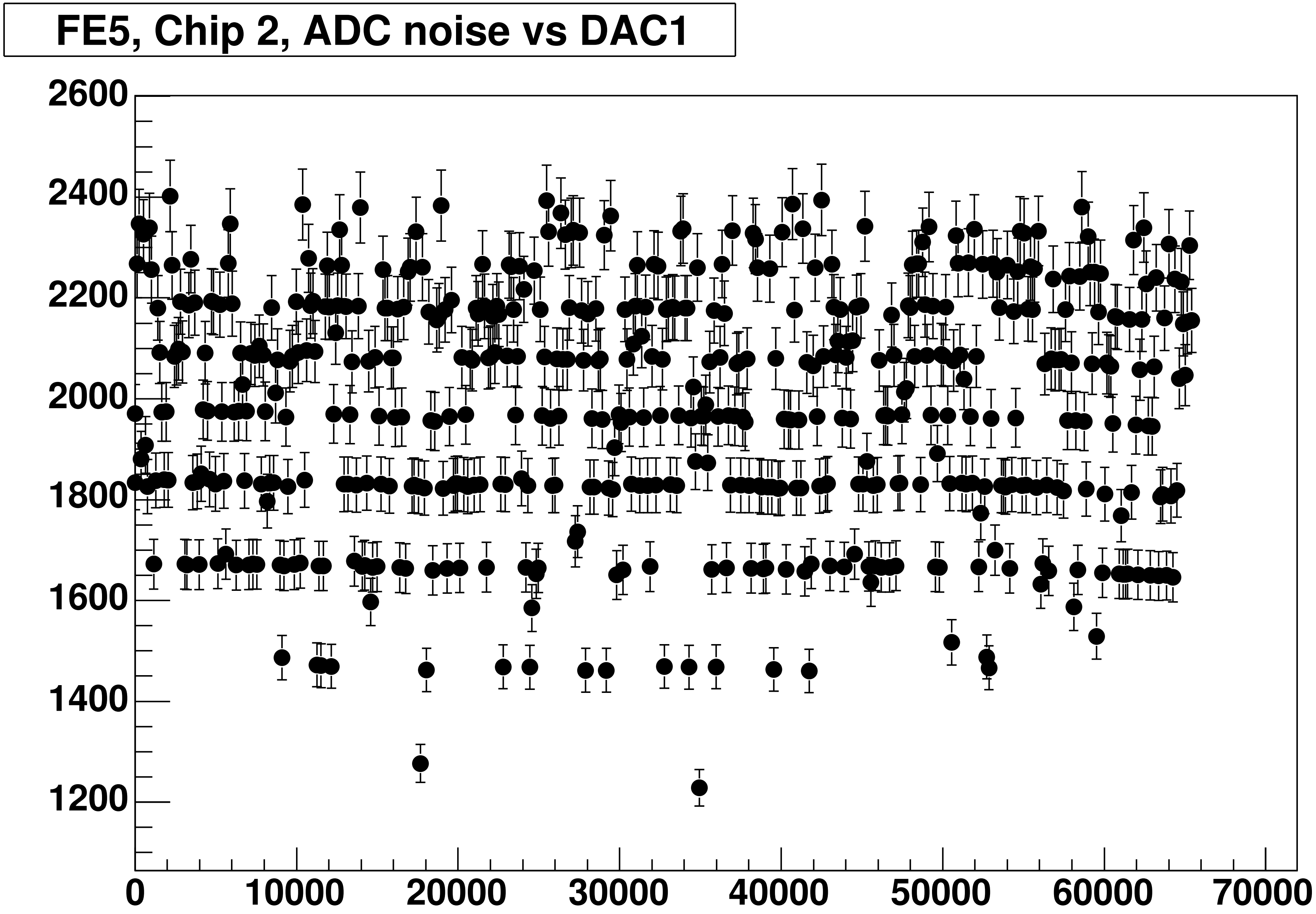

FE5, Chip 1, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

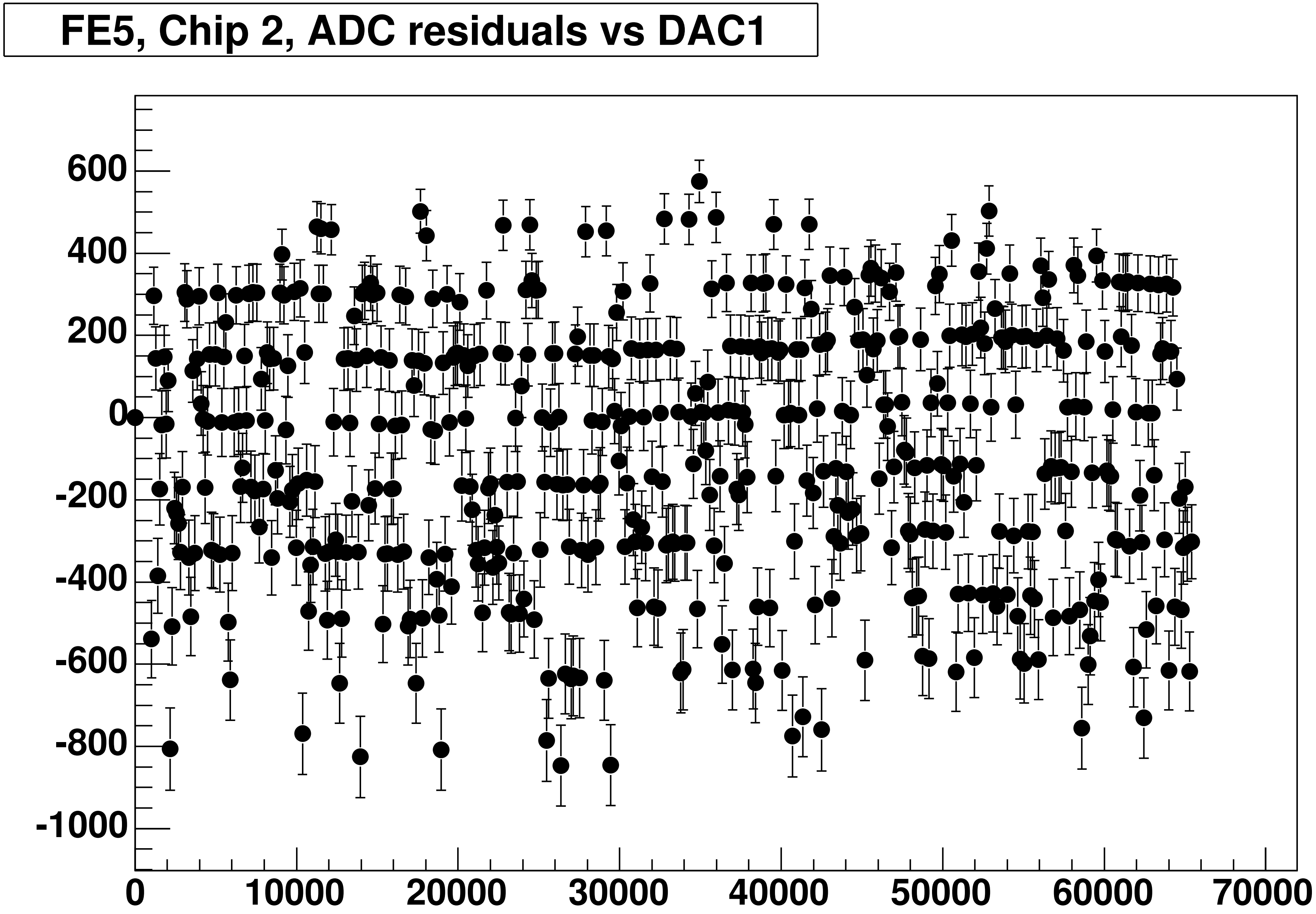

FE5, Chip 2, ADC mean vs DAC0
χ2 / ndf 4.828e+05 / 502
p0 90.9 ± 0.01663
p1 0.4503 ± 4.683e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

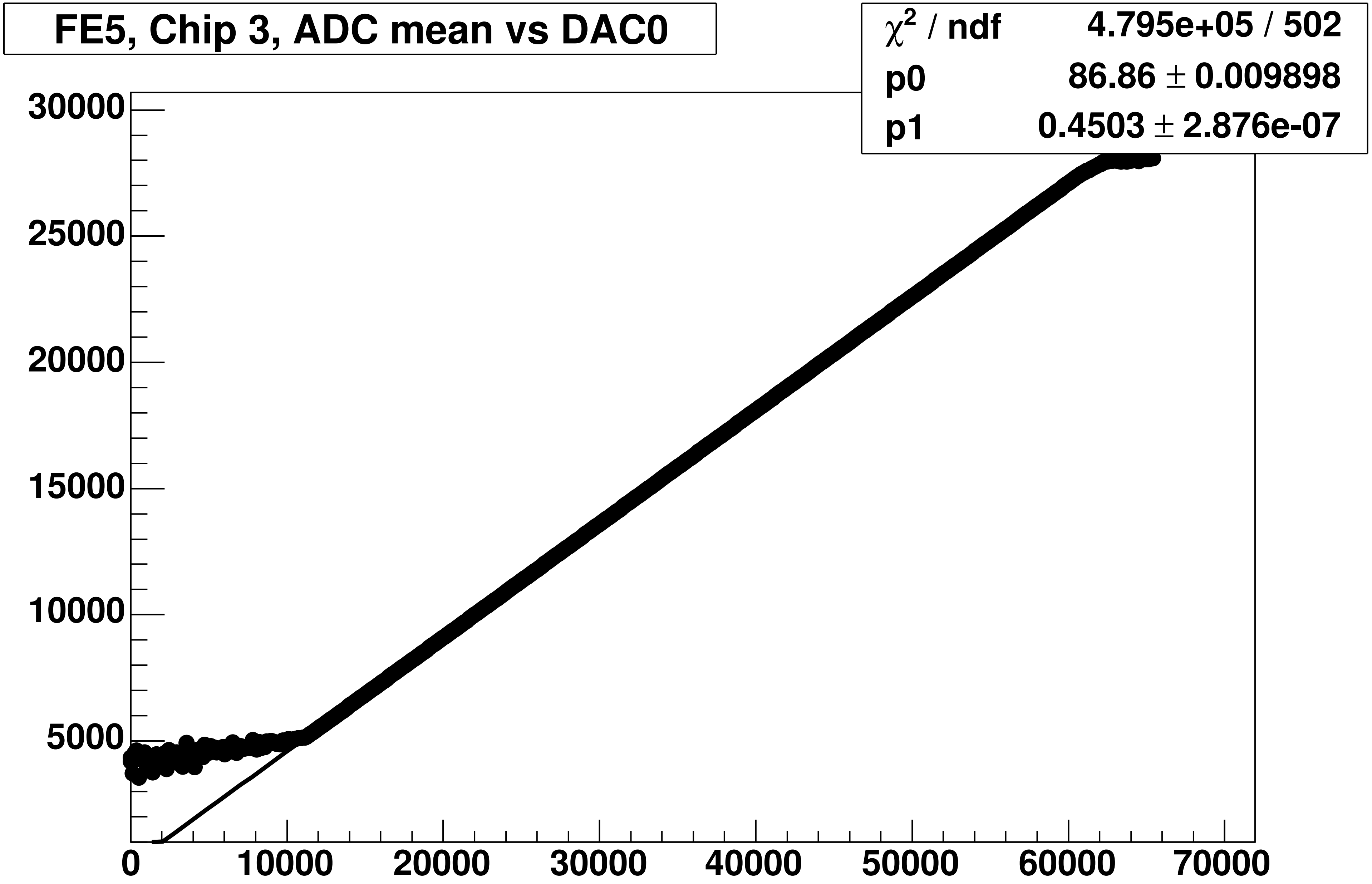

FE5, Chip 2, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

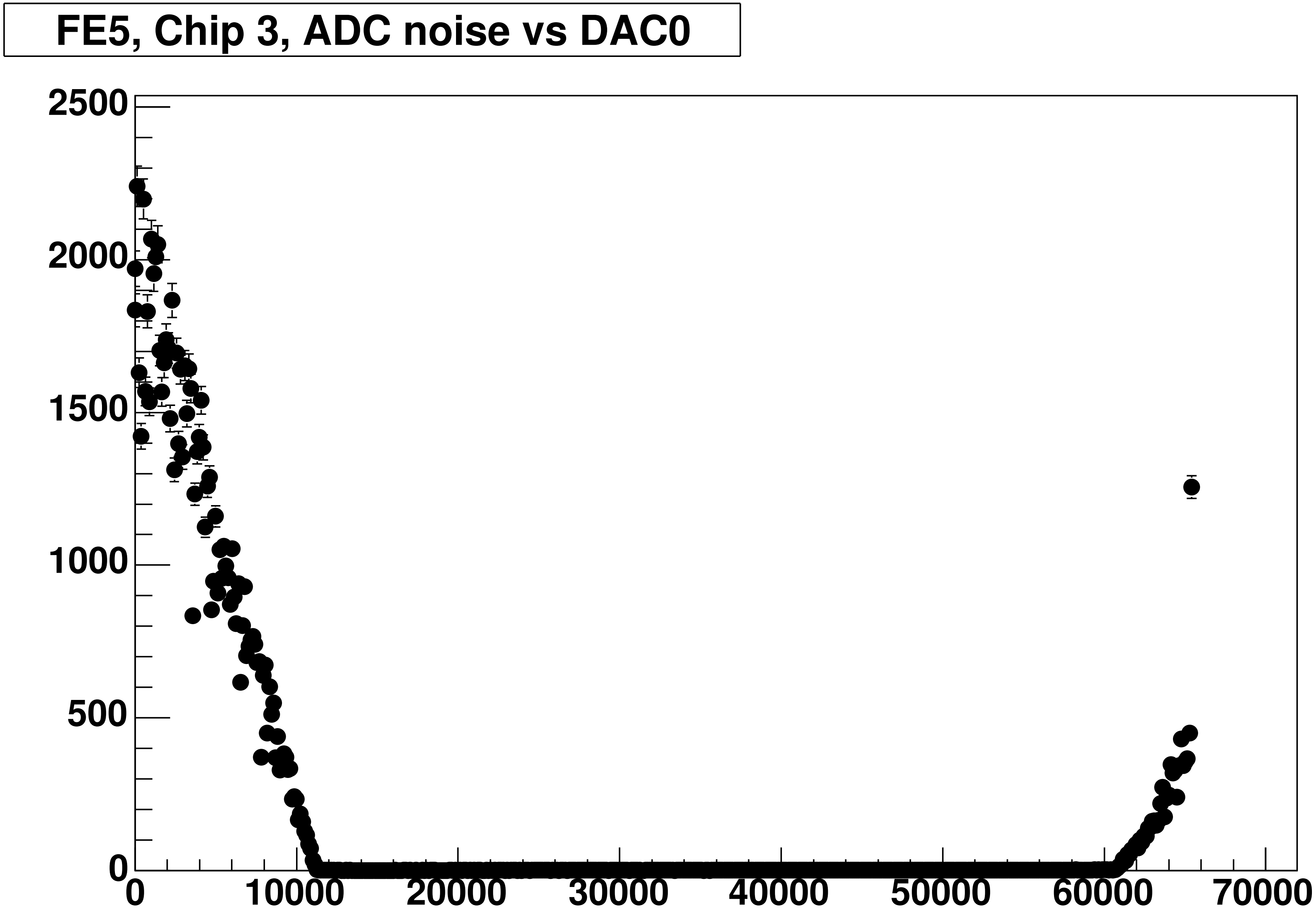

FE5, Chip 2, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

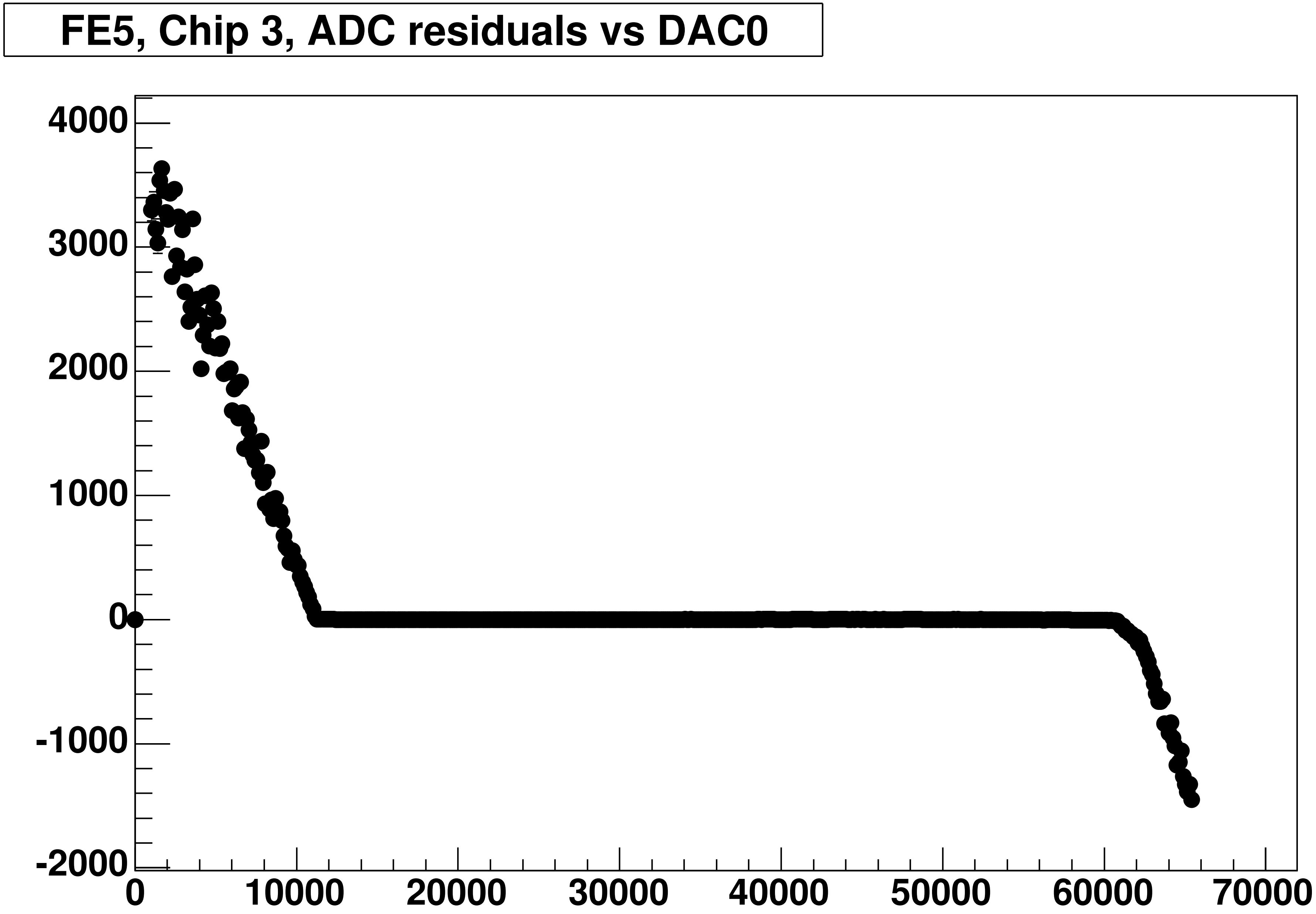

FE5, Chip 2, ADC mean vs DAC1
χ² / ndf 7484 / 502
p0 4215 ± 7.337
p1 -0.001417 ± 0.0001934
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

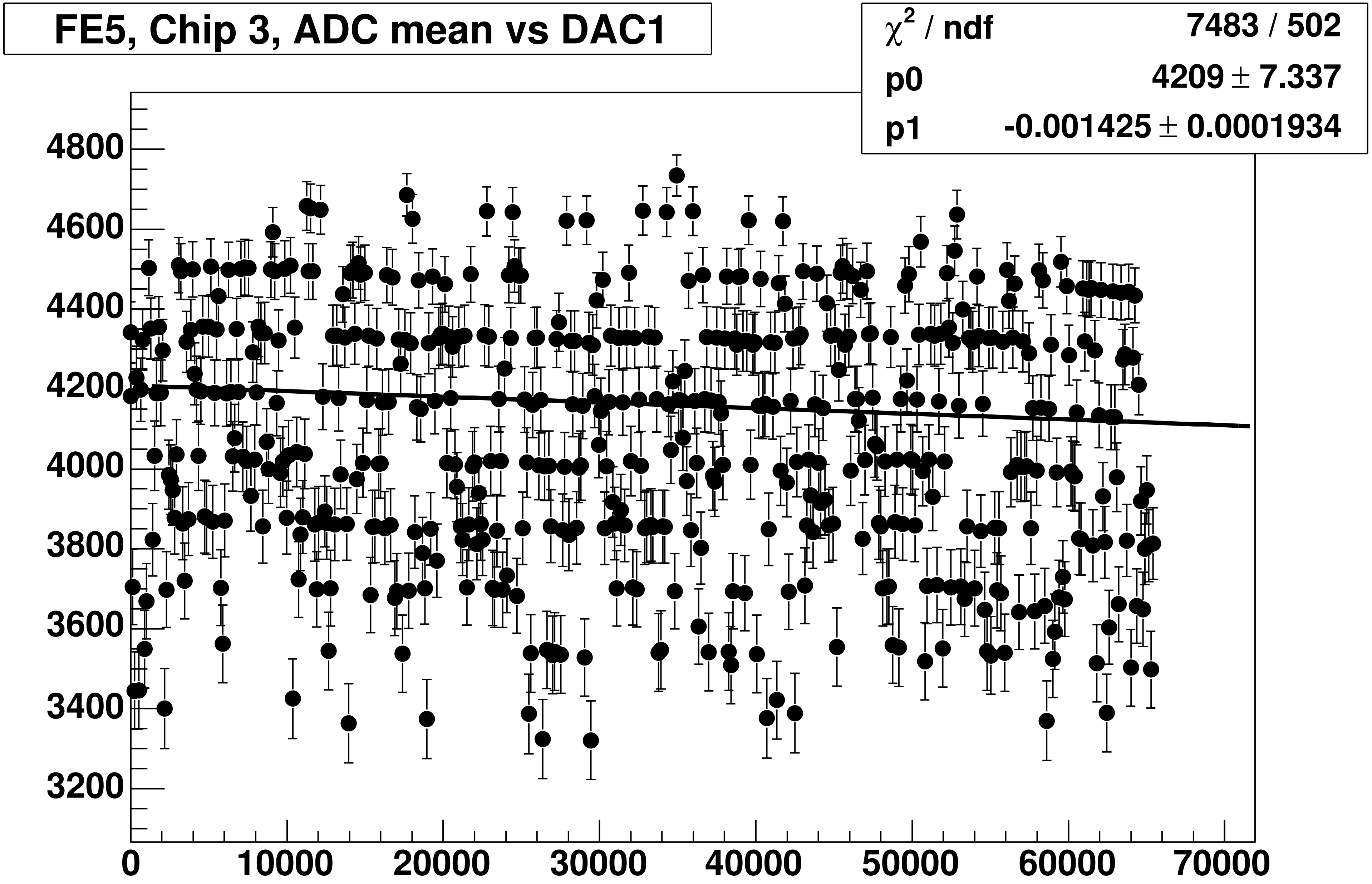

FE5, Chip 2, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 2, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

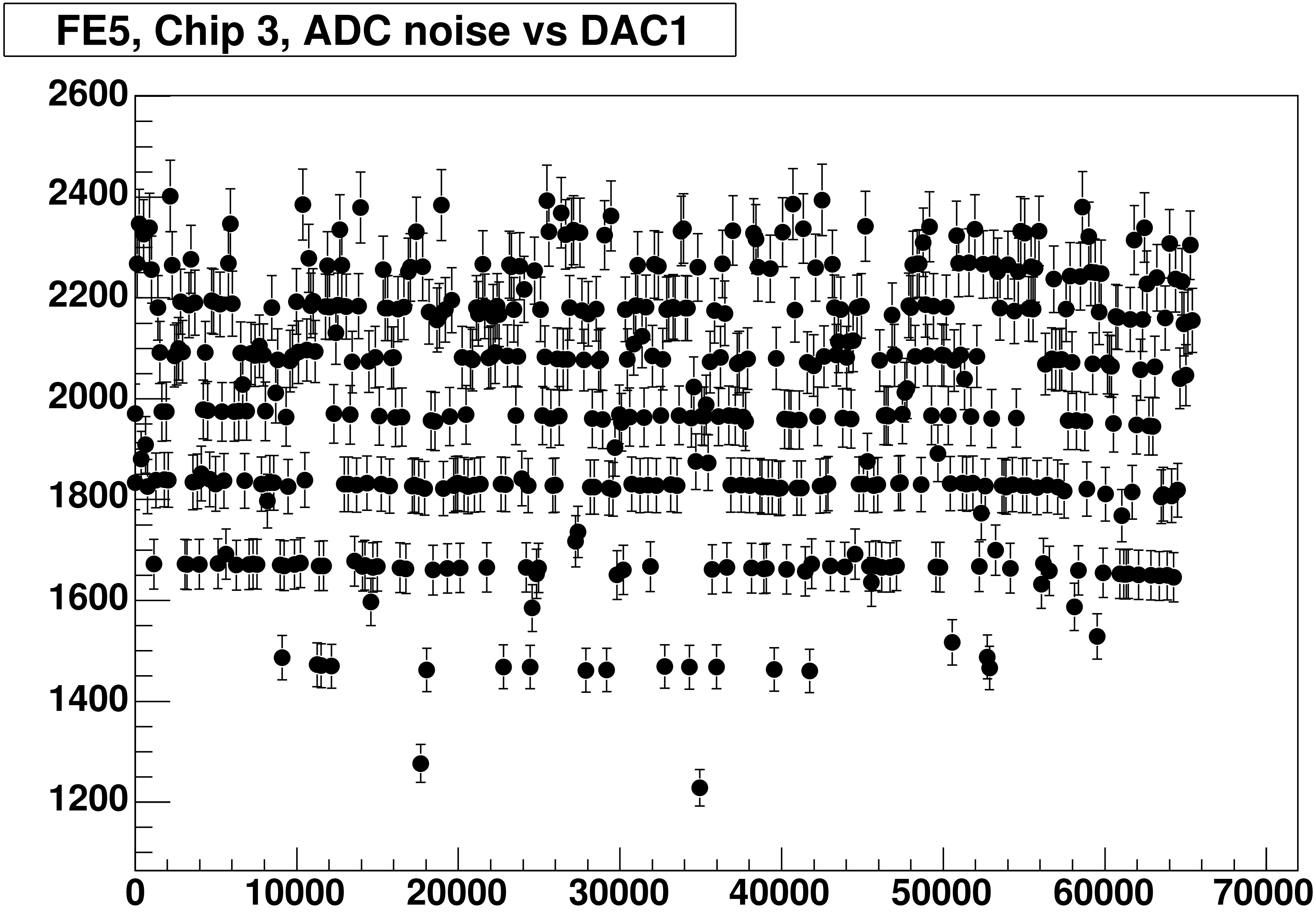

FE5, Chip 3, ADC mean vs DAC0
χ^2 / ndf 4.795e+05 / 502
p0 86.86 ± 0.009898
p1 0.4503 ± 2.876e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 3, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

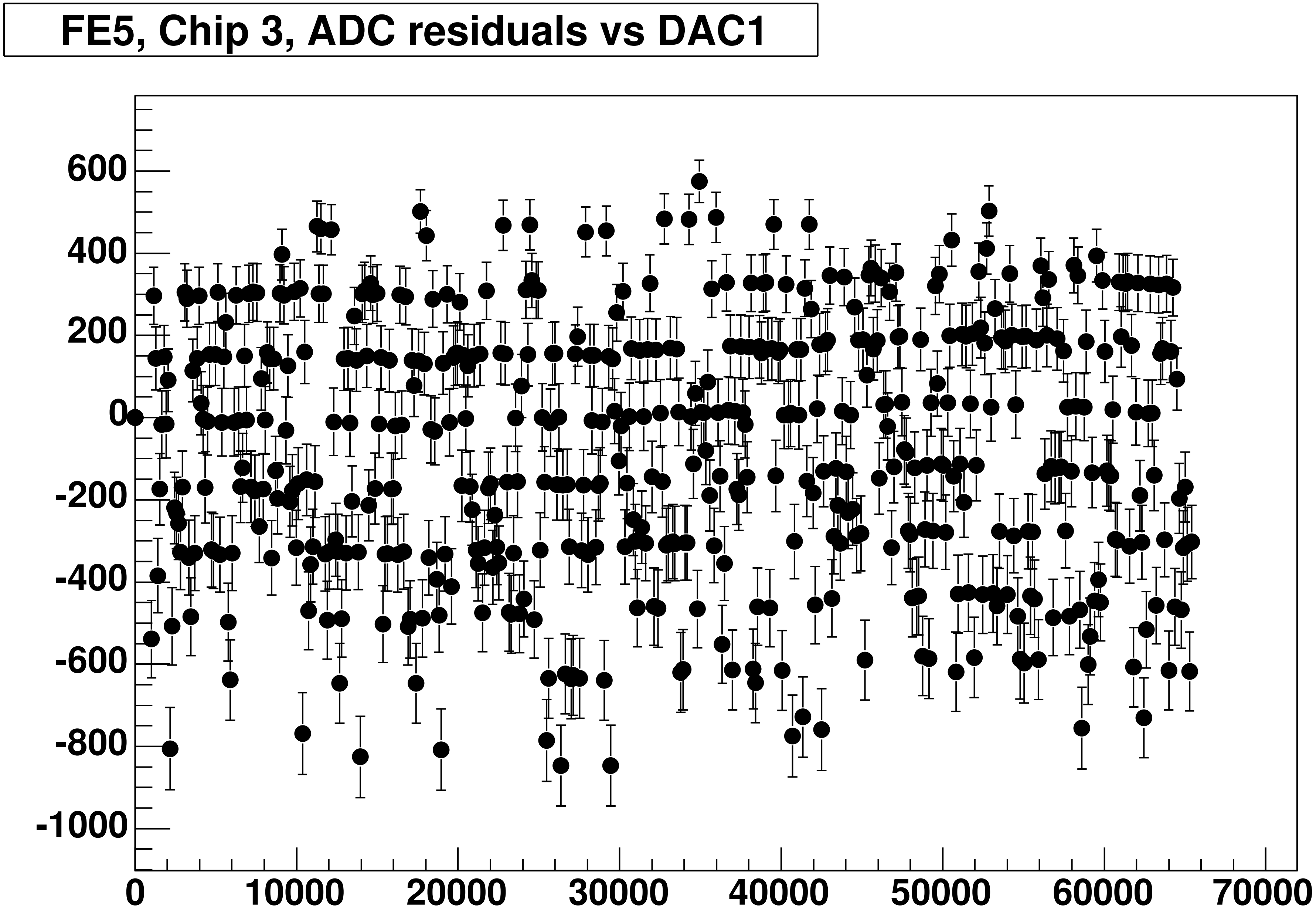

FE5, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000



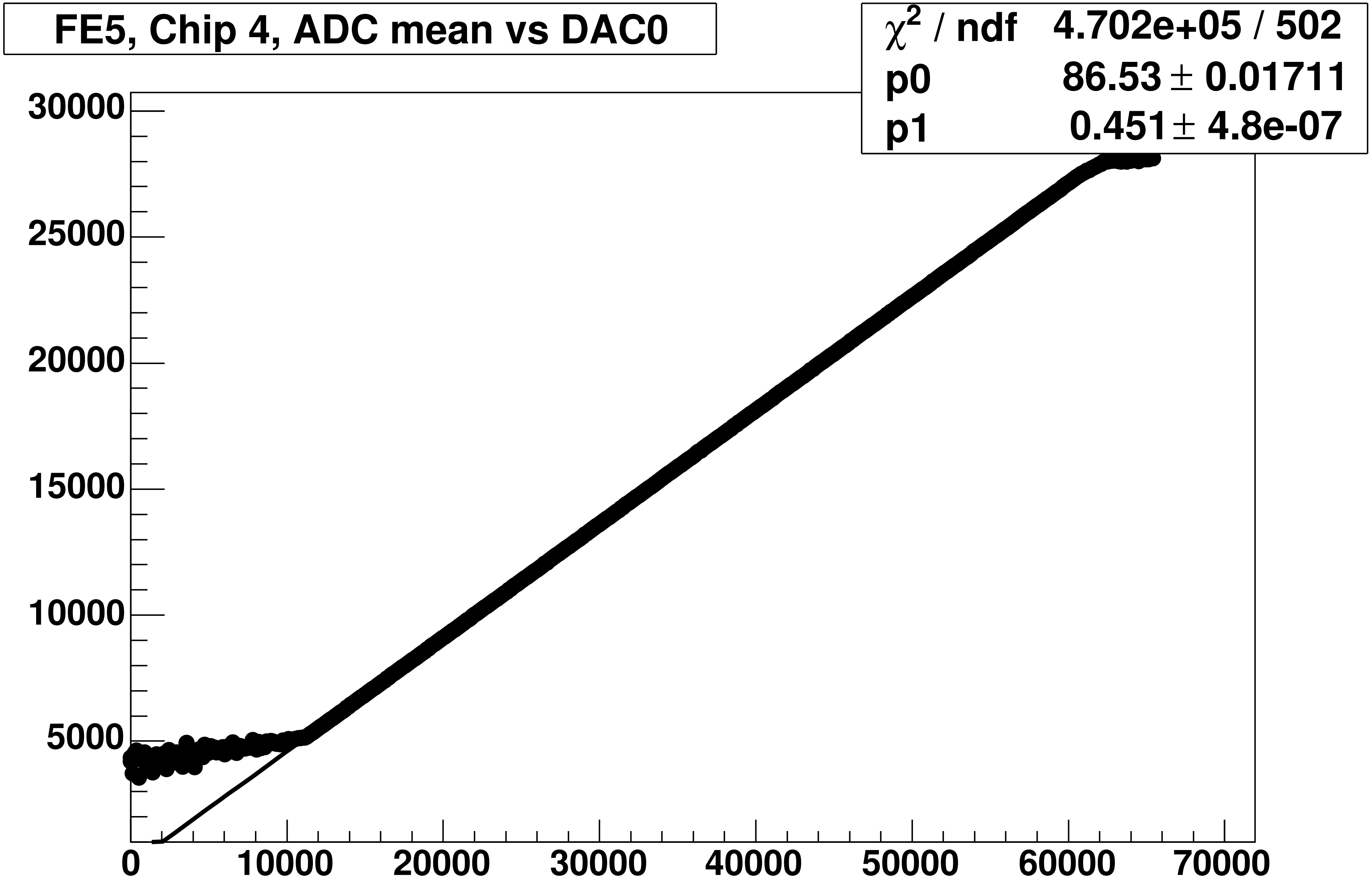
FE5, Chip 3, ADC mean vs DAC1
χ^2 / ndf 7483 / 502
p0 4209 ± 7.337
p1 -0.001425 ± 0.0001934
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

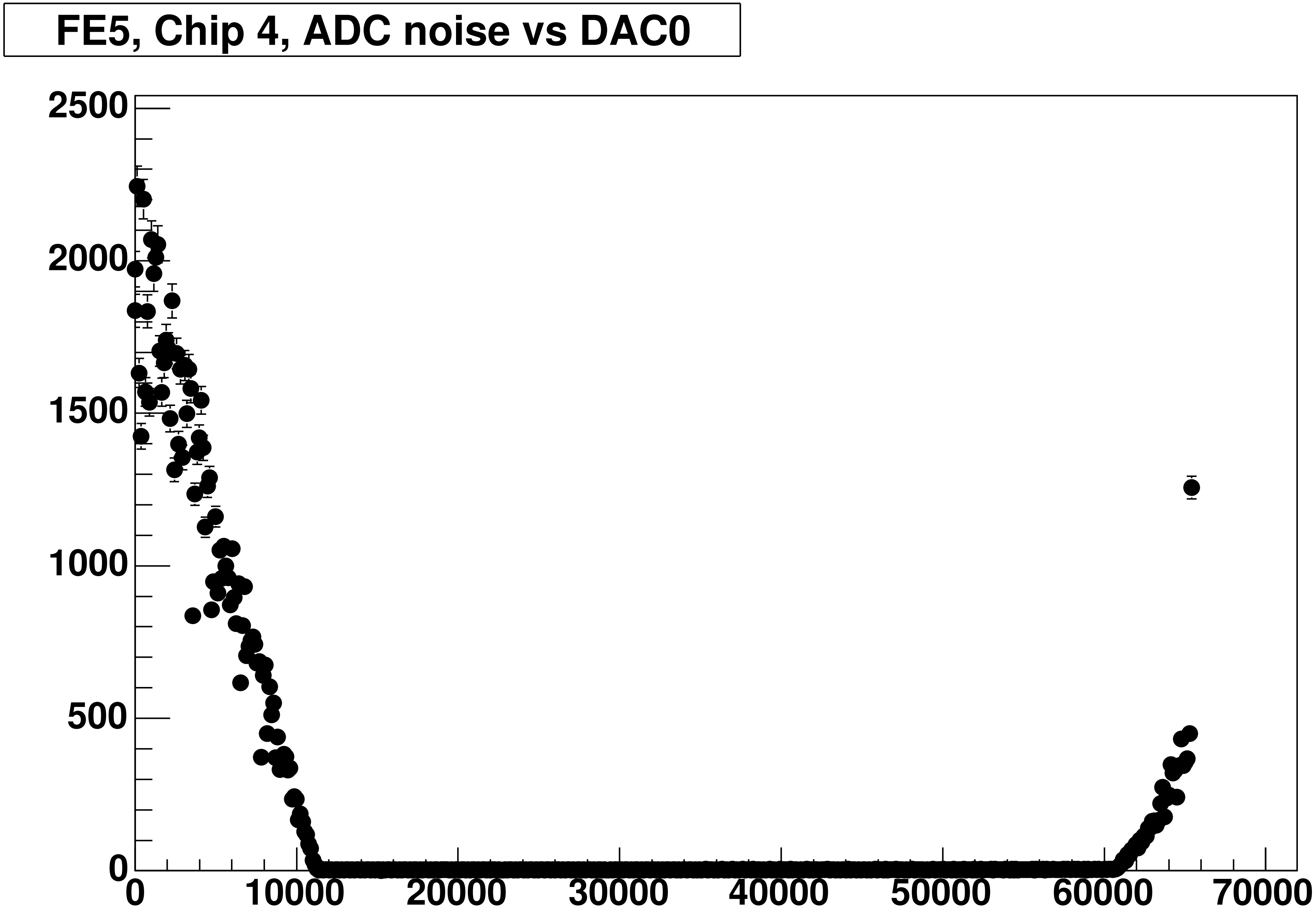


FE5, Chip 3, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

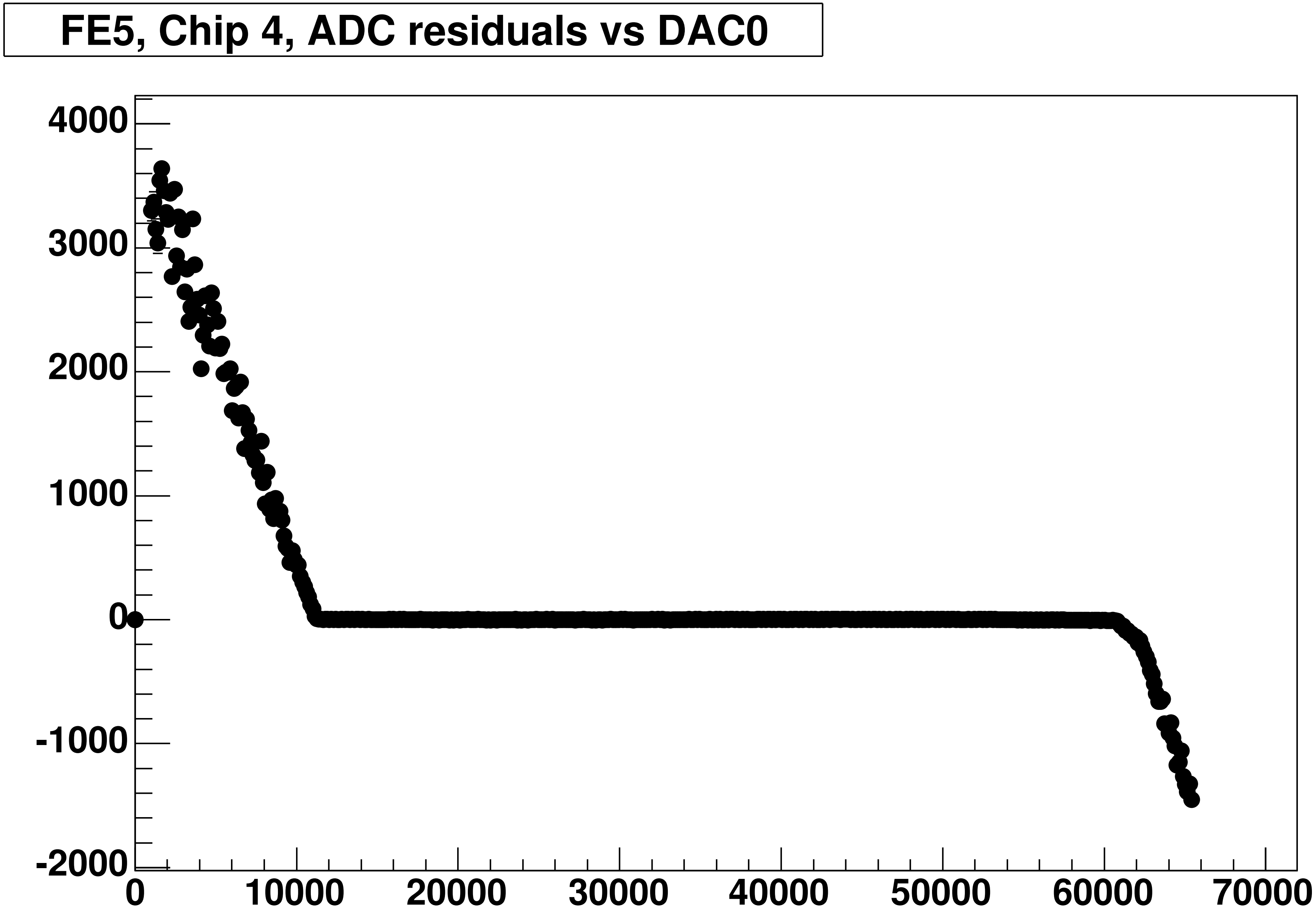


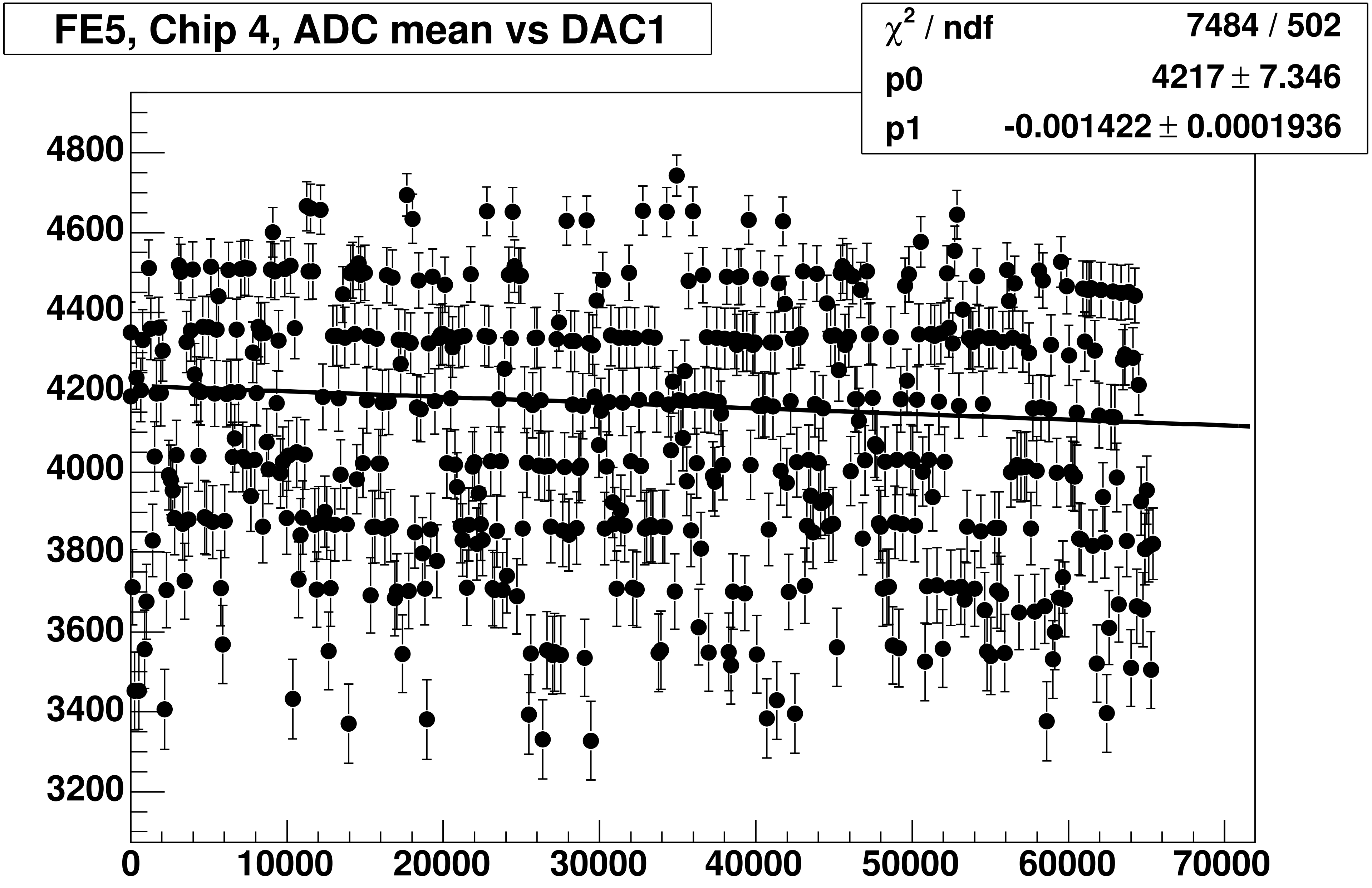
FE5, Chip 3, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

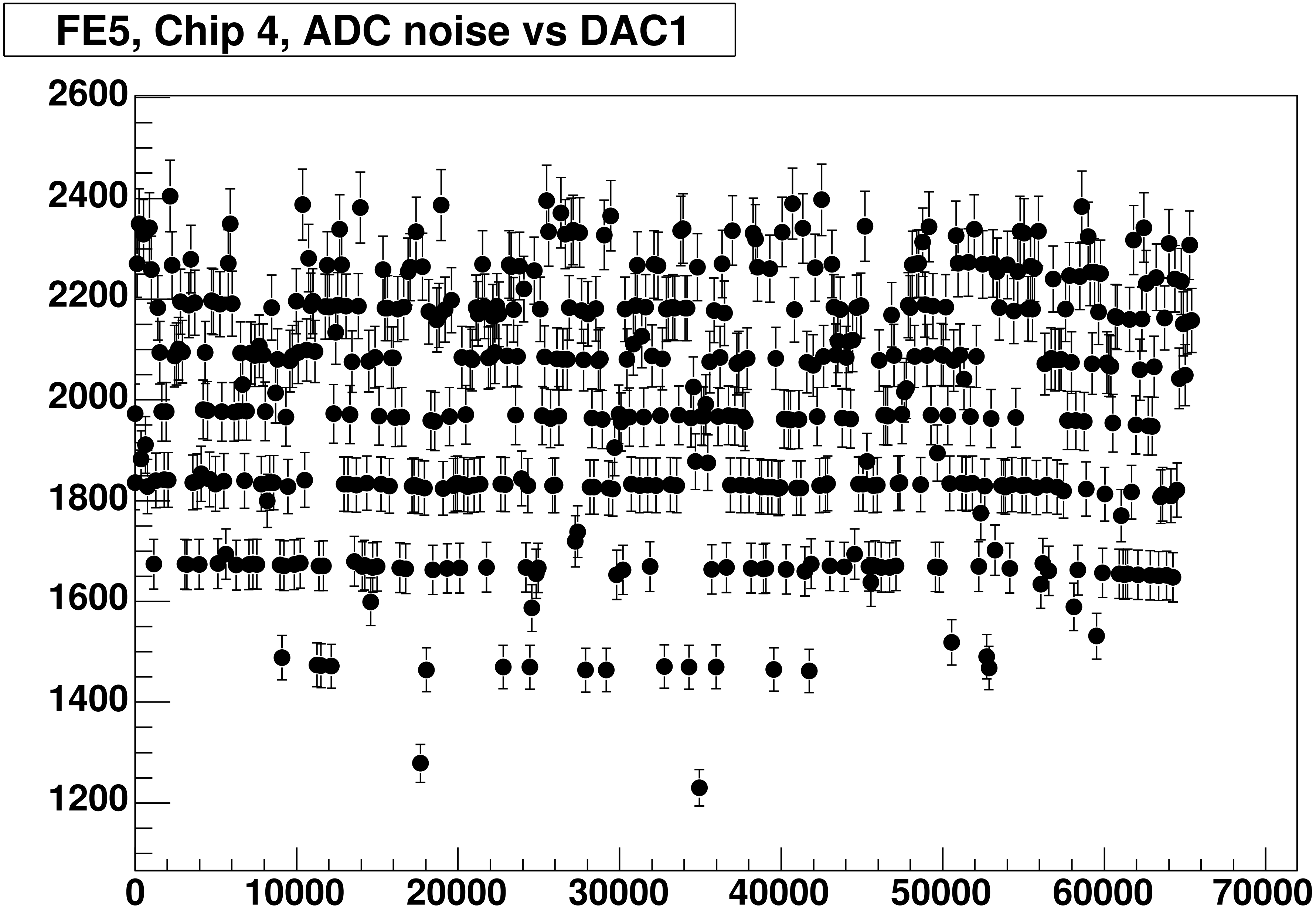

FE5, Chip 4, ADC mean vs DAC0
χ² / ndf 4.702e+05 / 502
p0 86.53 ± 0.01711
p1 0.451 ± 4.8e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

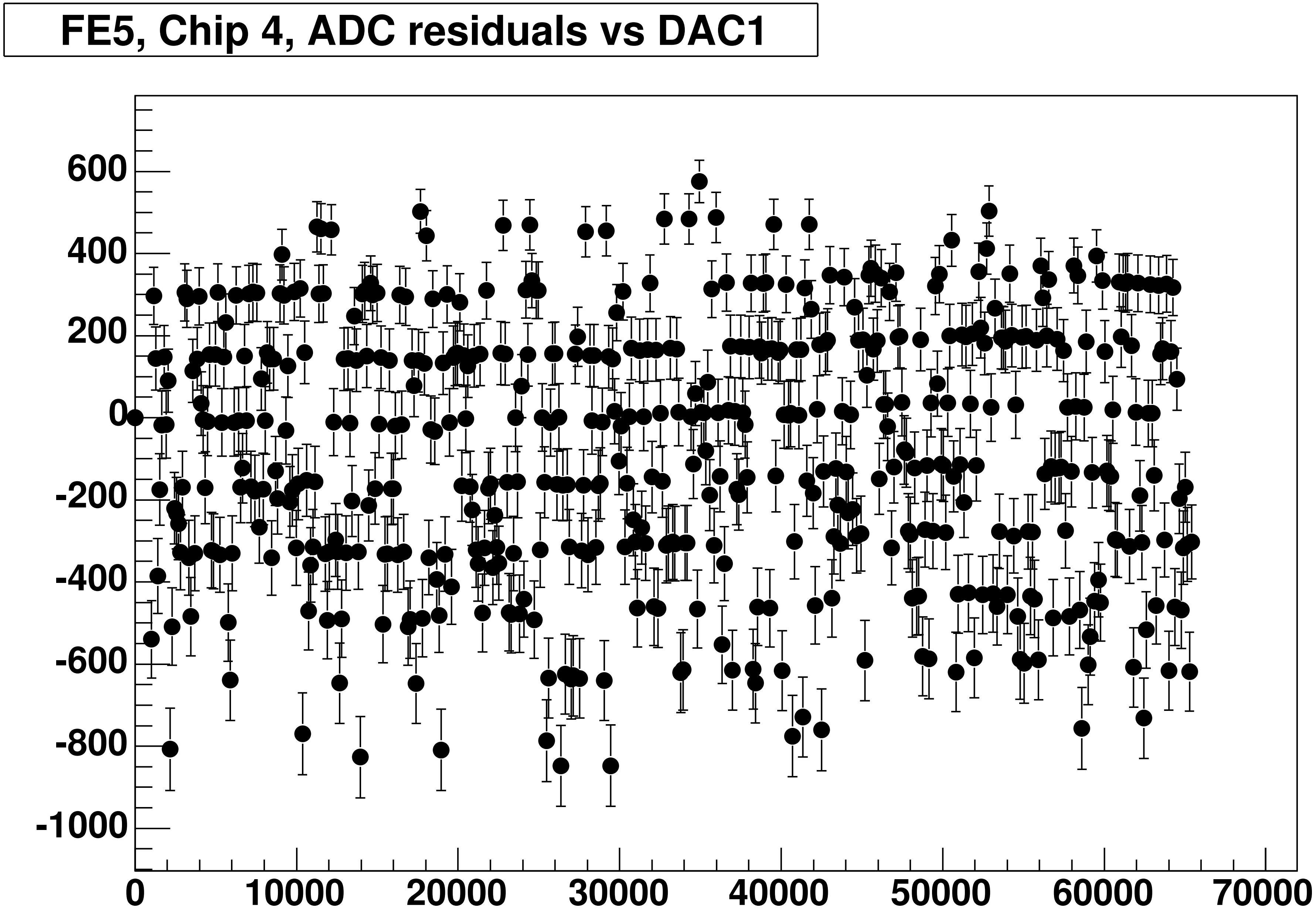


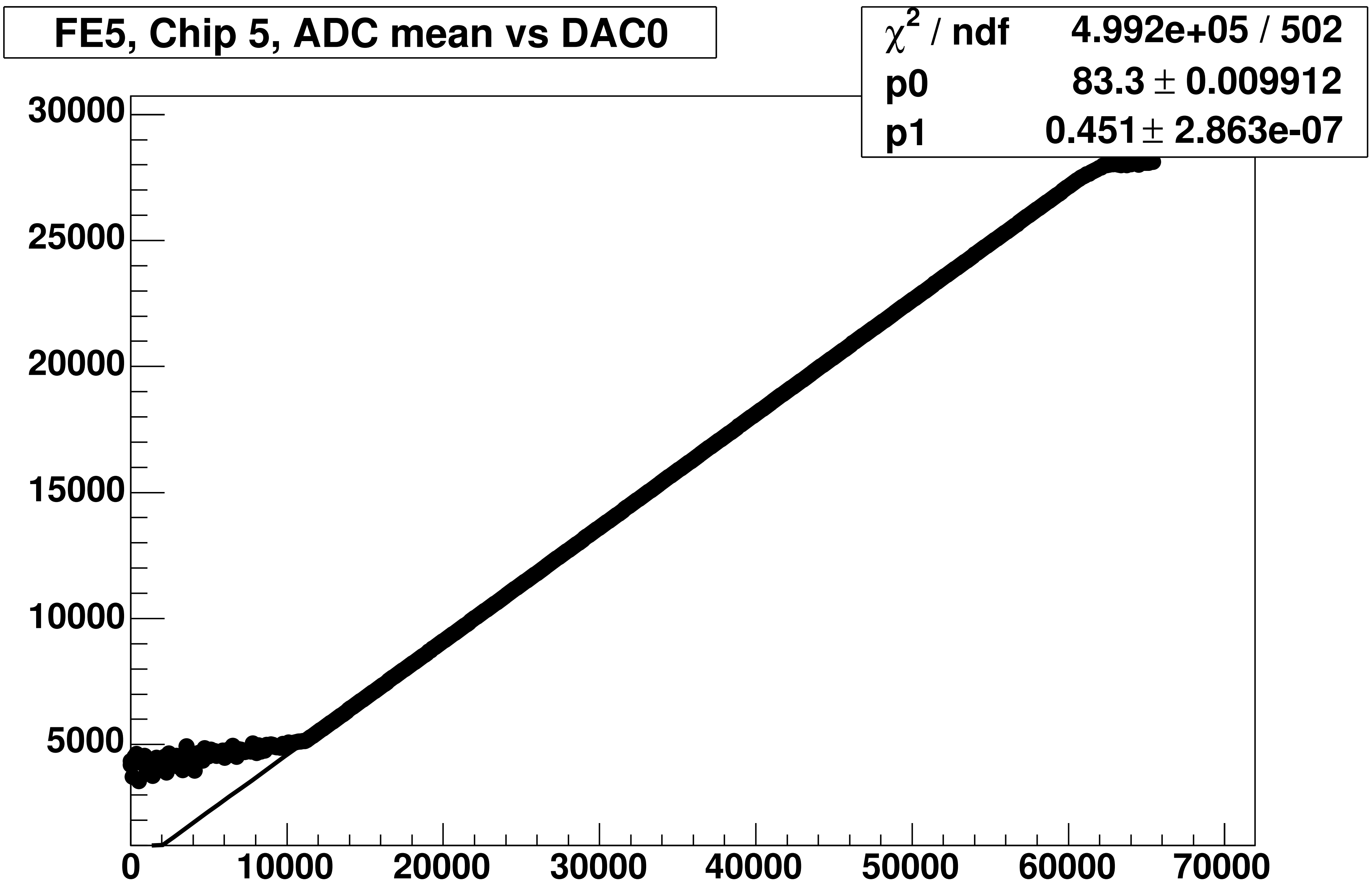
FE5, Chip 4, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

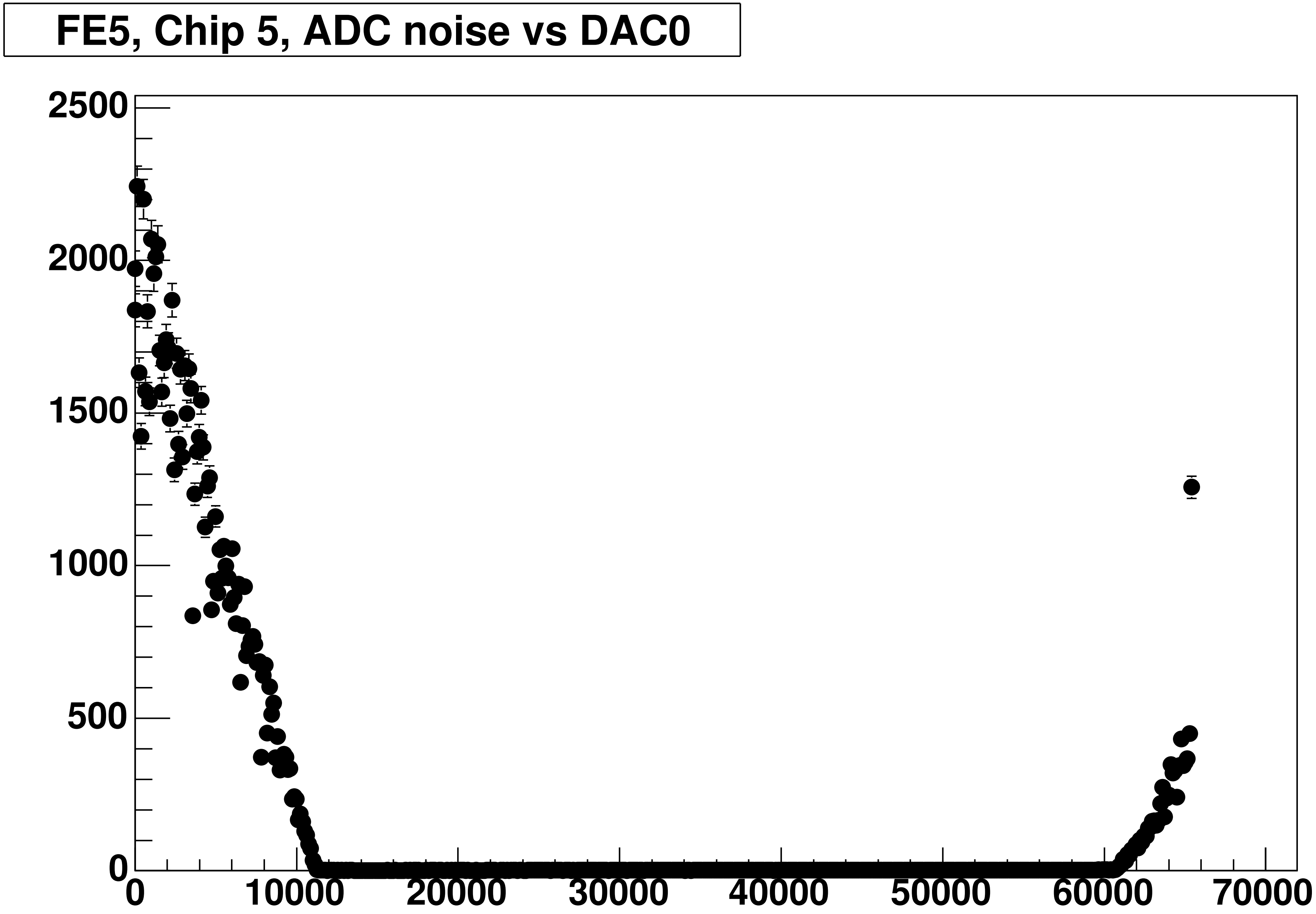

FE5, Chip 4, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

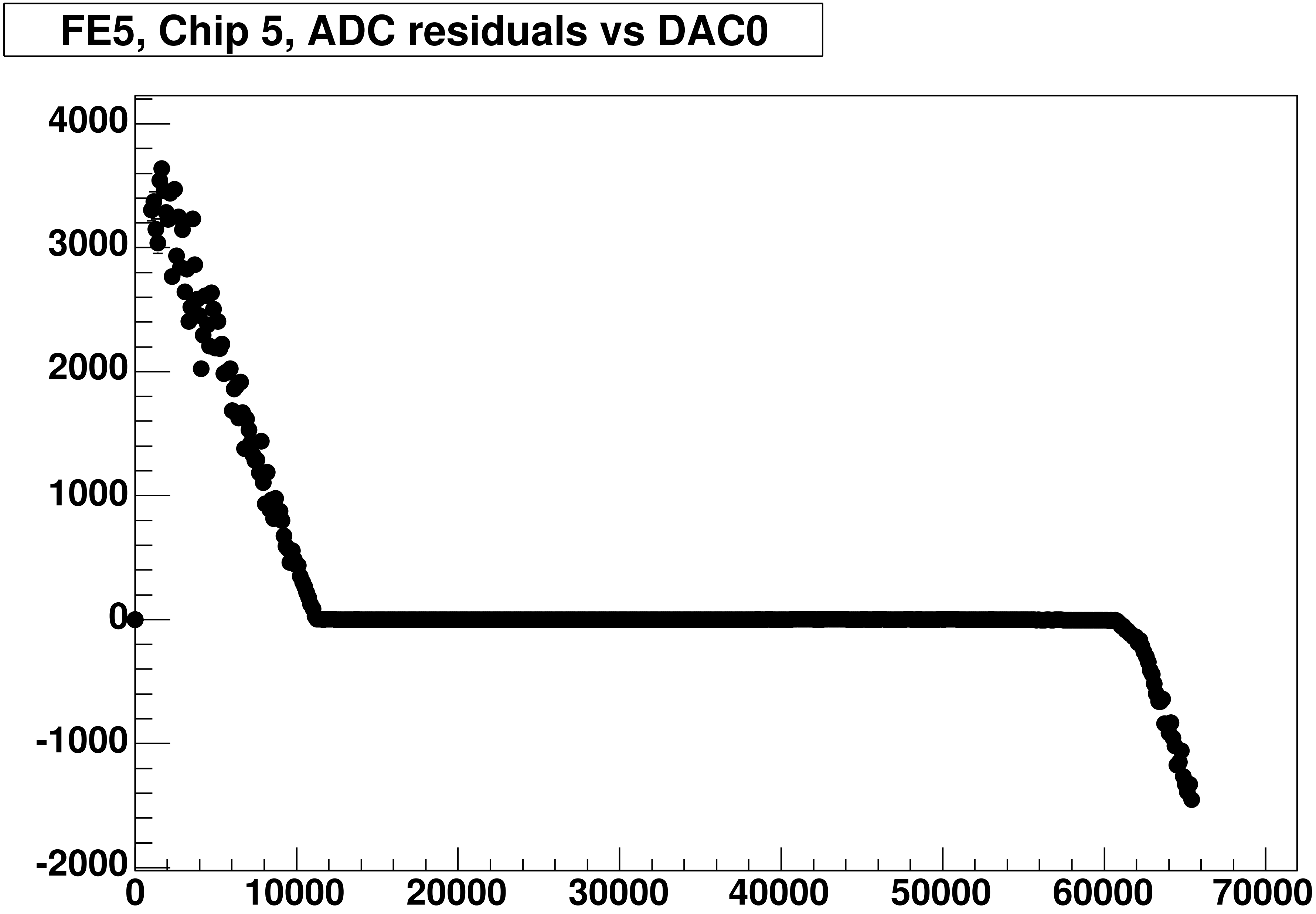

FE5, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7484 / 502
p0 4217 ± 7.346
p1 -0.001422 ± 0.0001936
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

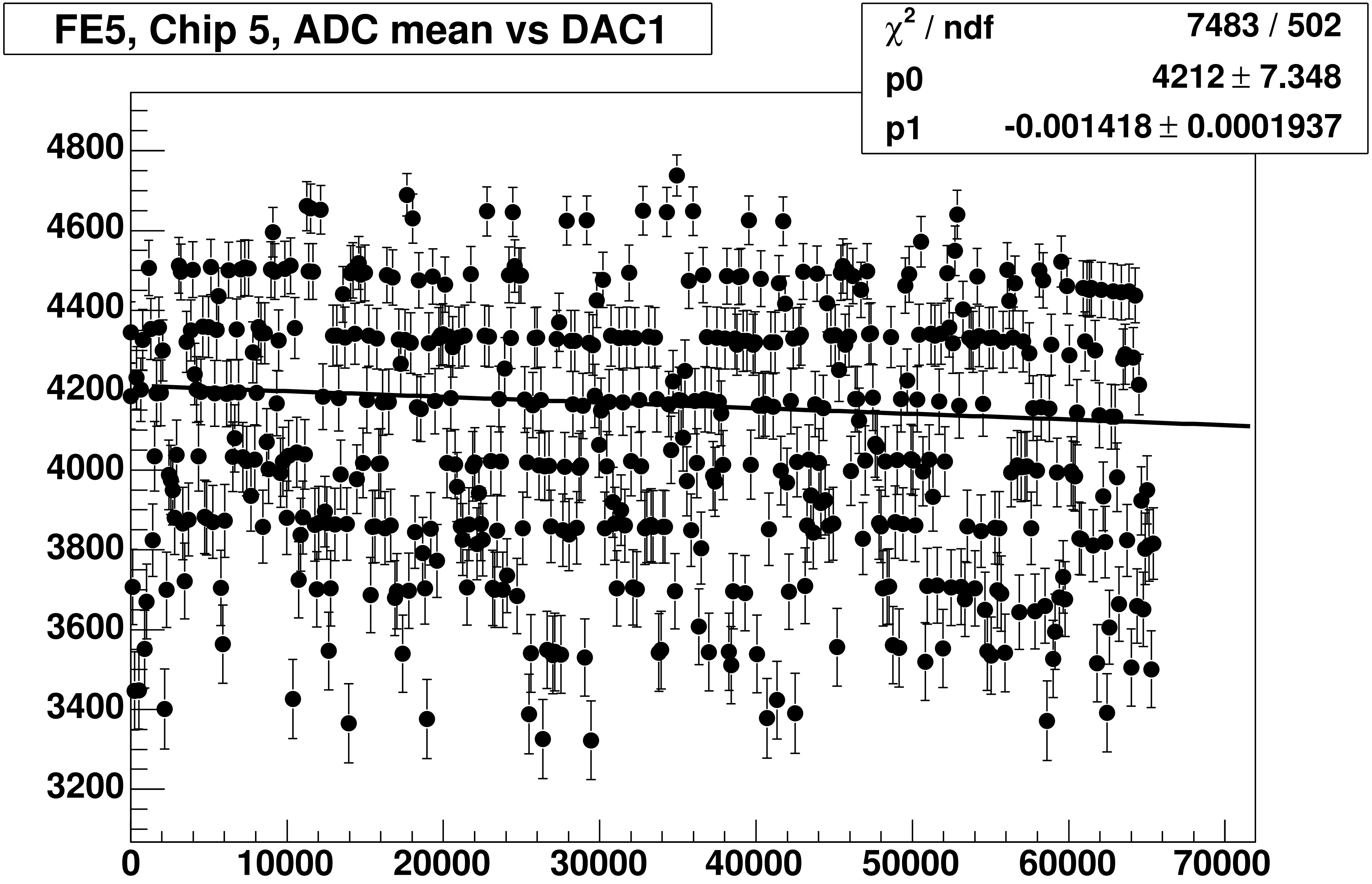

FE5, Chip 4, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 4, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

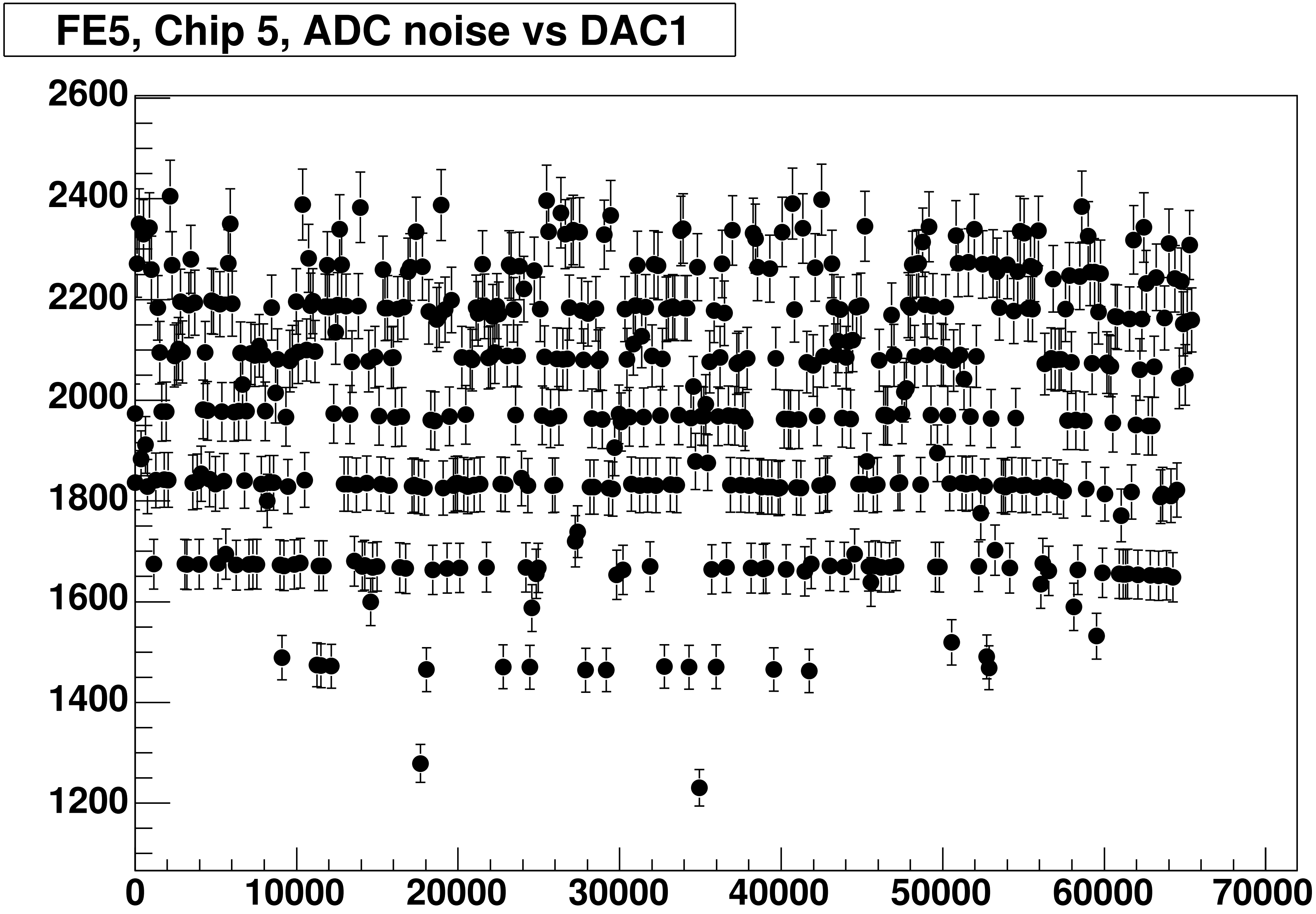

FE5, Chip 5, ADC mean vs DAC0
χ^2 / ndf 4.992e+05 / 502
p0 83.3 ± 0.009912
p1 0.451 ± 2.863e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 5, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

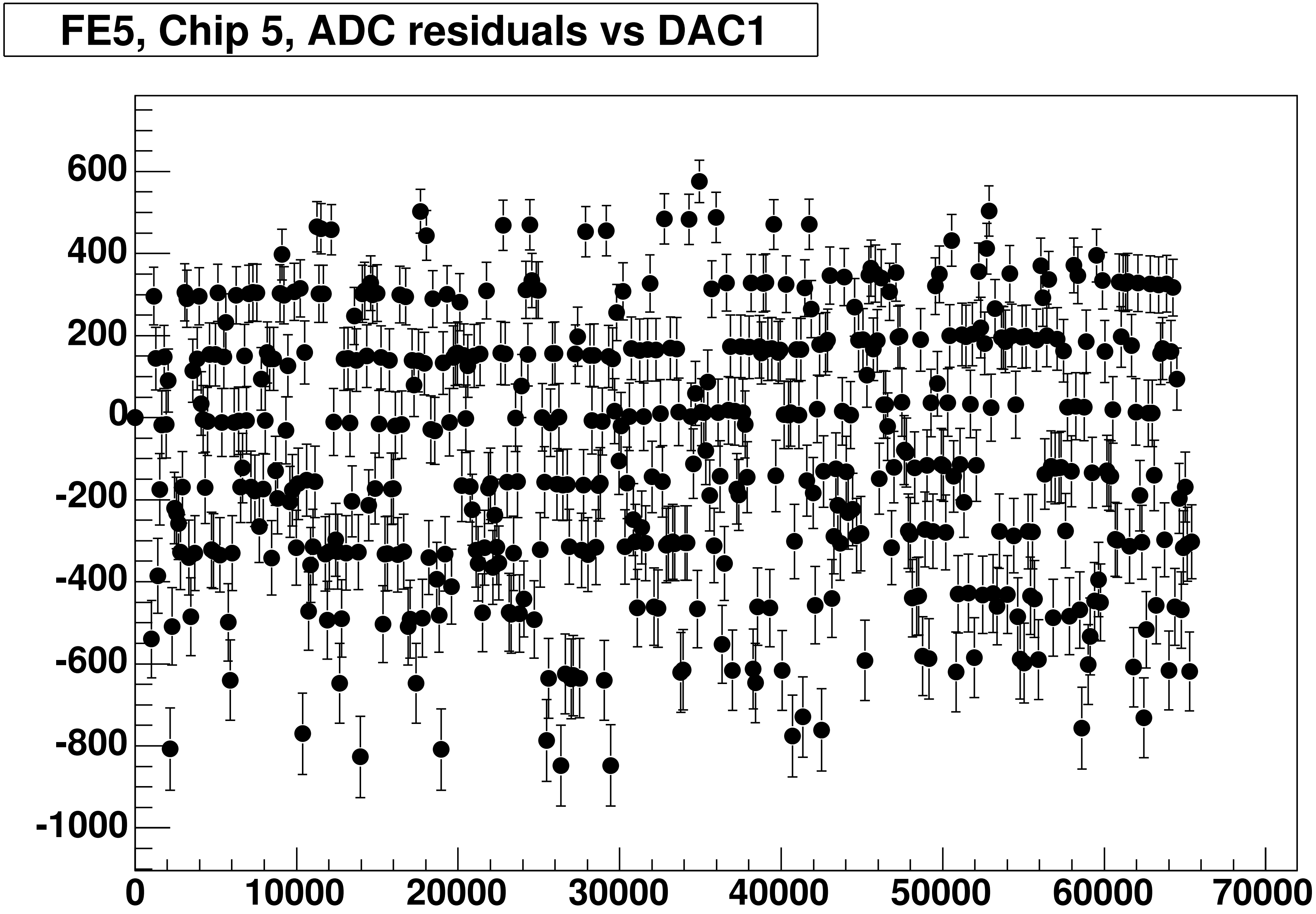

FE5, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

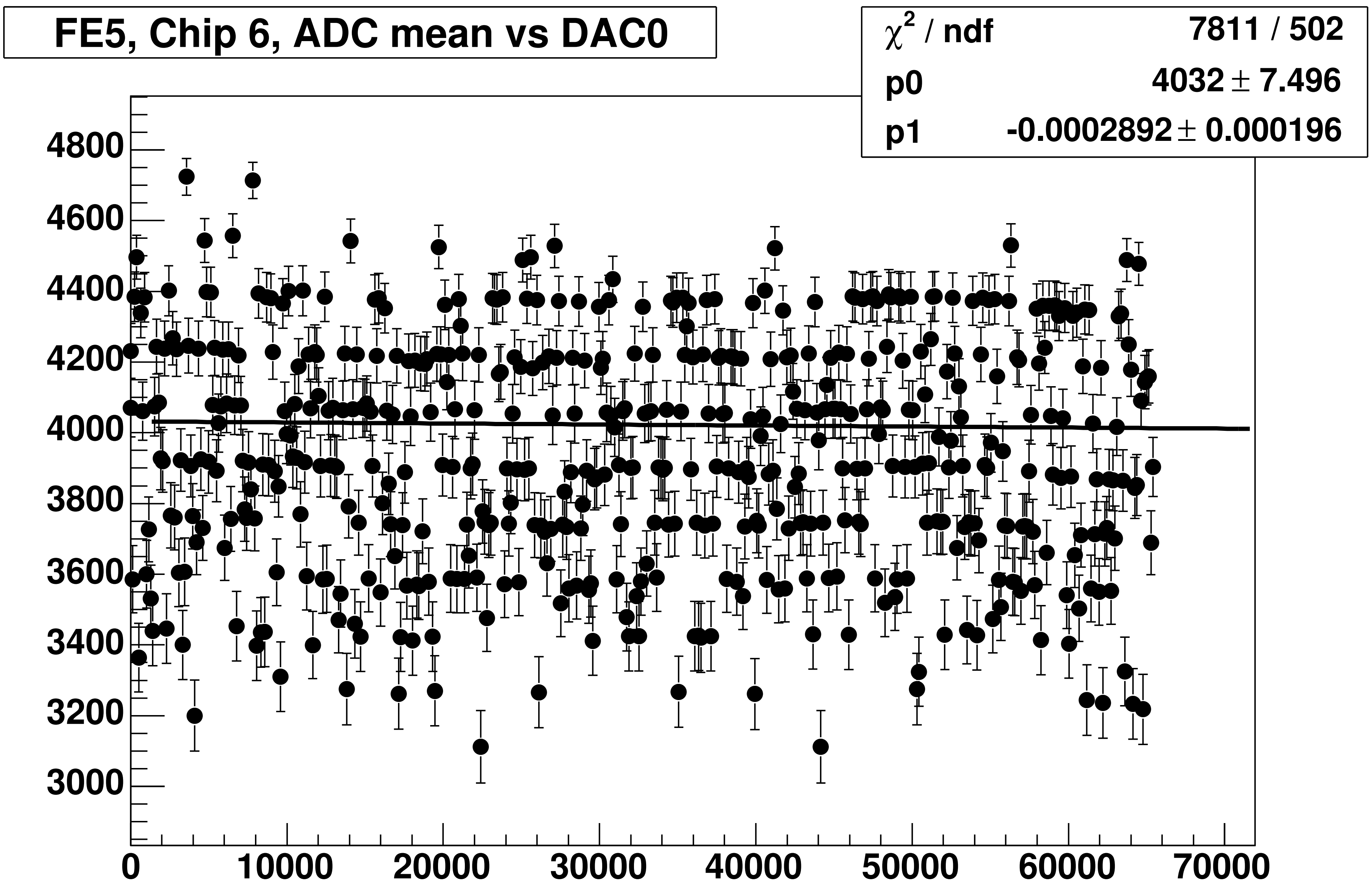


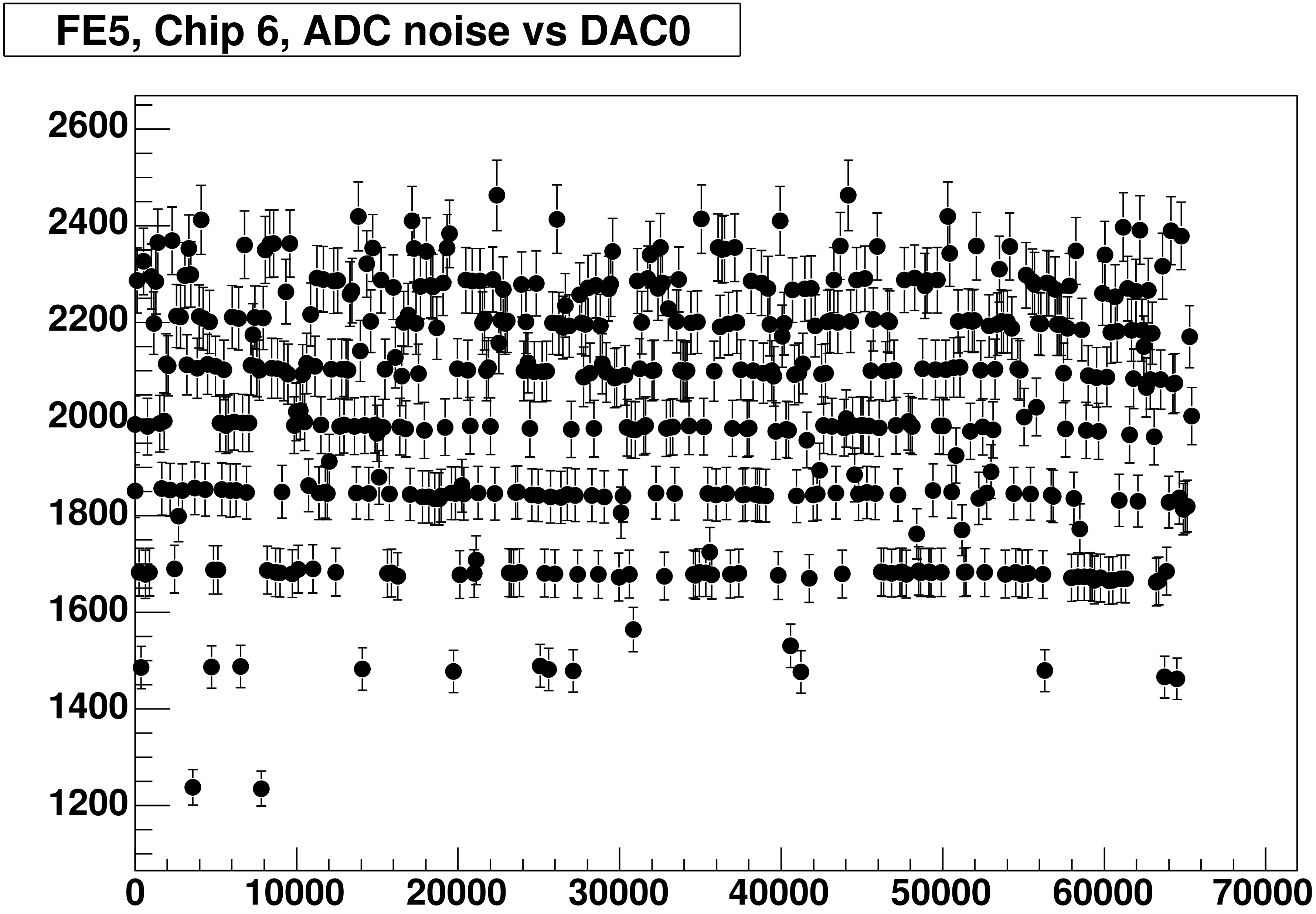
FE5, Chip 5, ADC mean vs DAC1
χ² / ndf 7483 / 502
p0 4212 ± 7.348
p1 -0.001418 ± 0.0001937
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

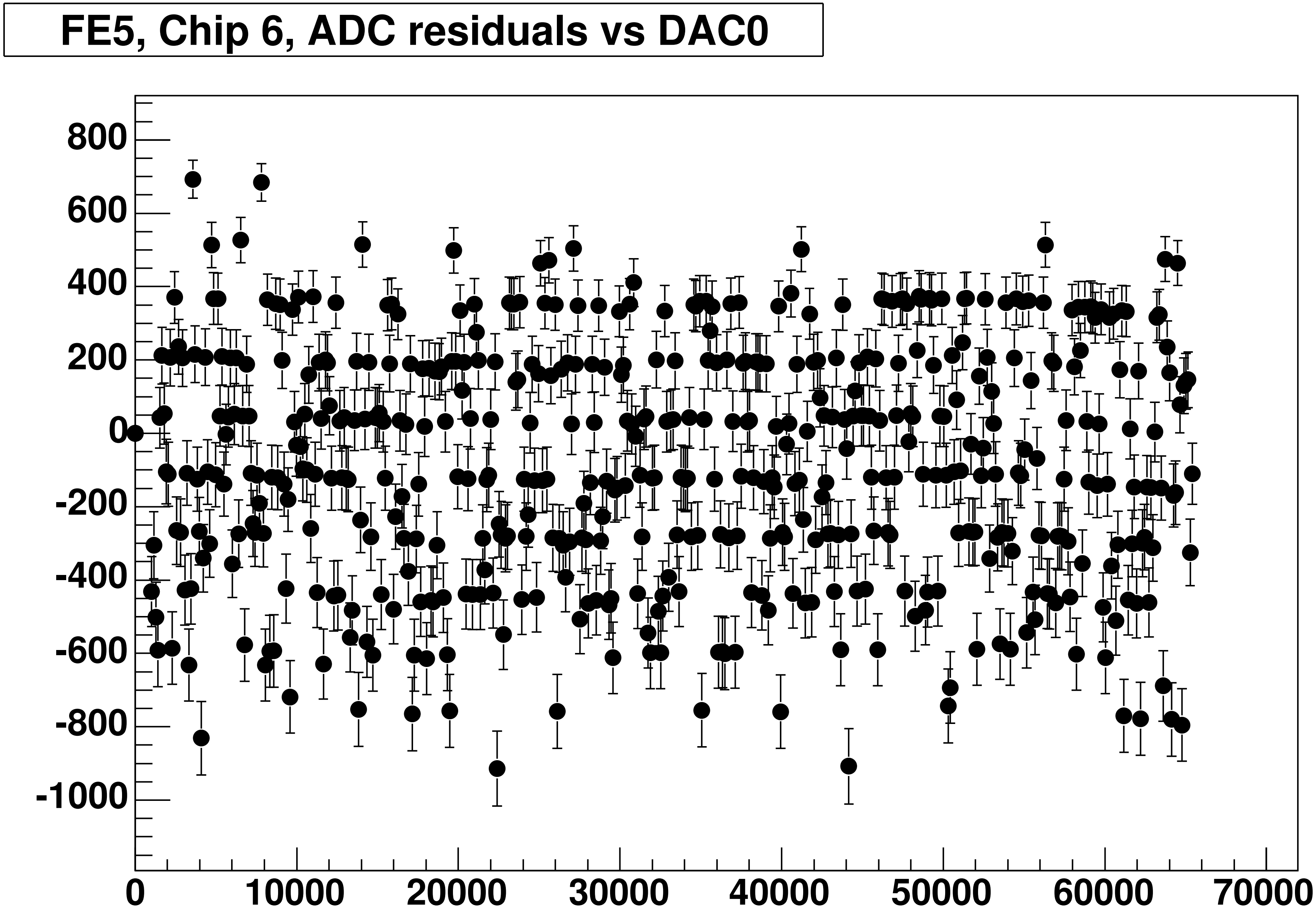


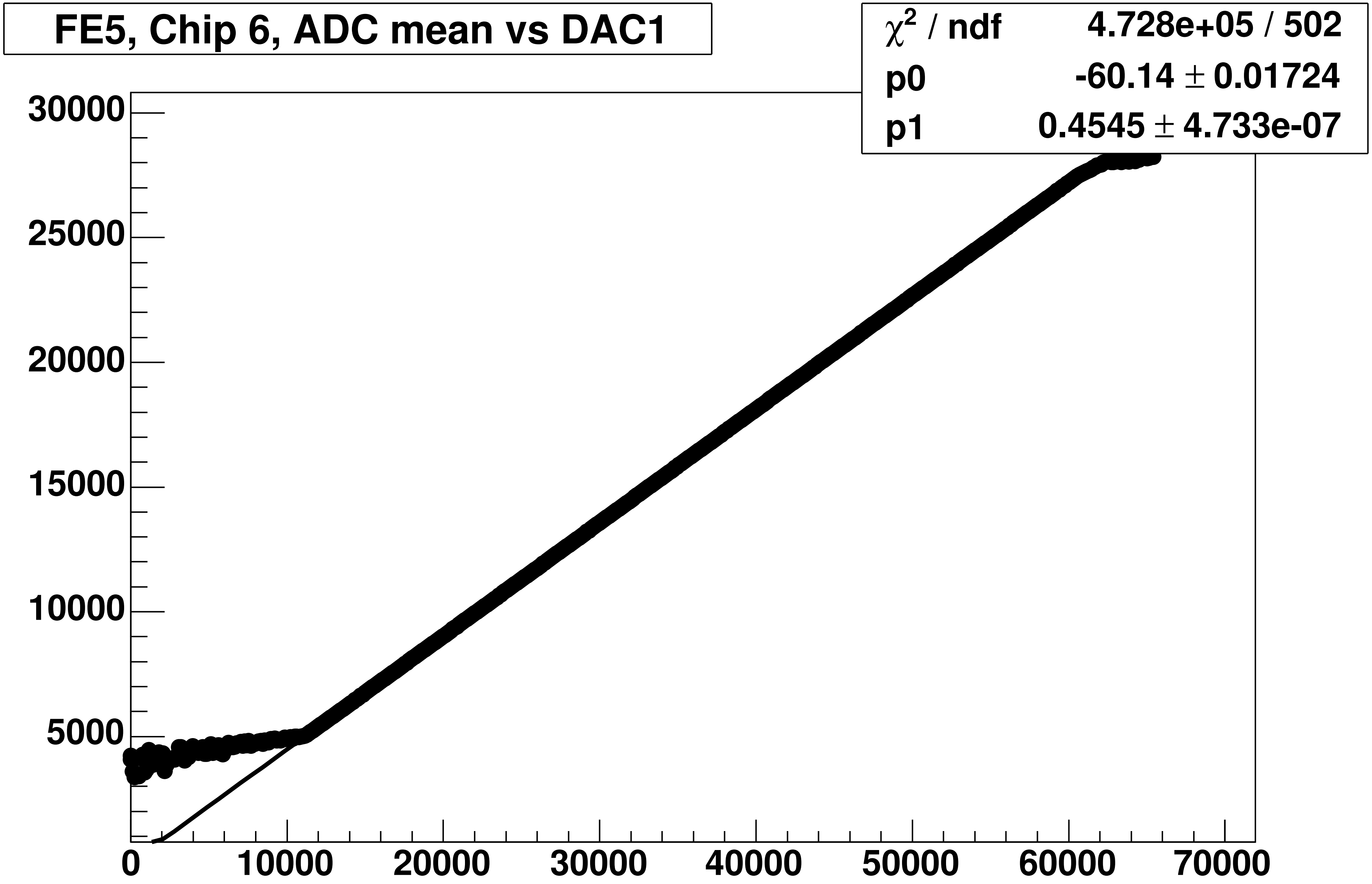
FE5, Chip 5, ADC noise vs DAC1
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 5, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

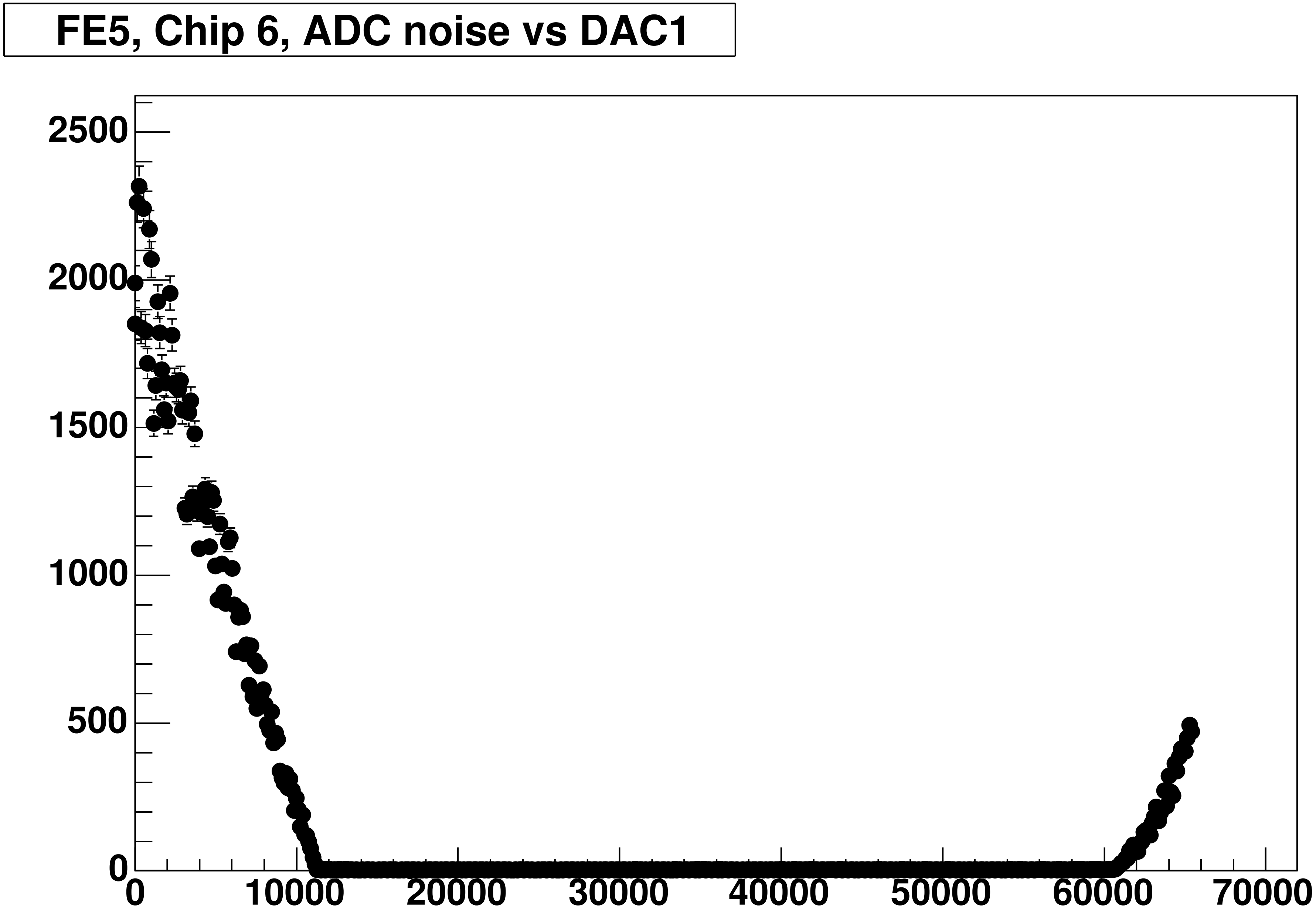

FE5, Chip 6, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4032 ± 7.496
p1 -0.0002892 ± 0.000196
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

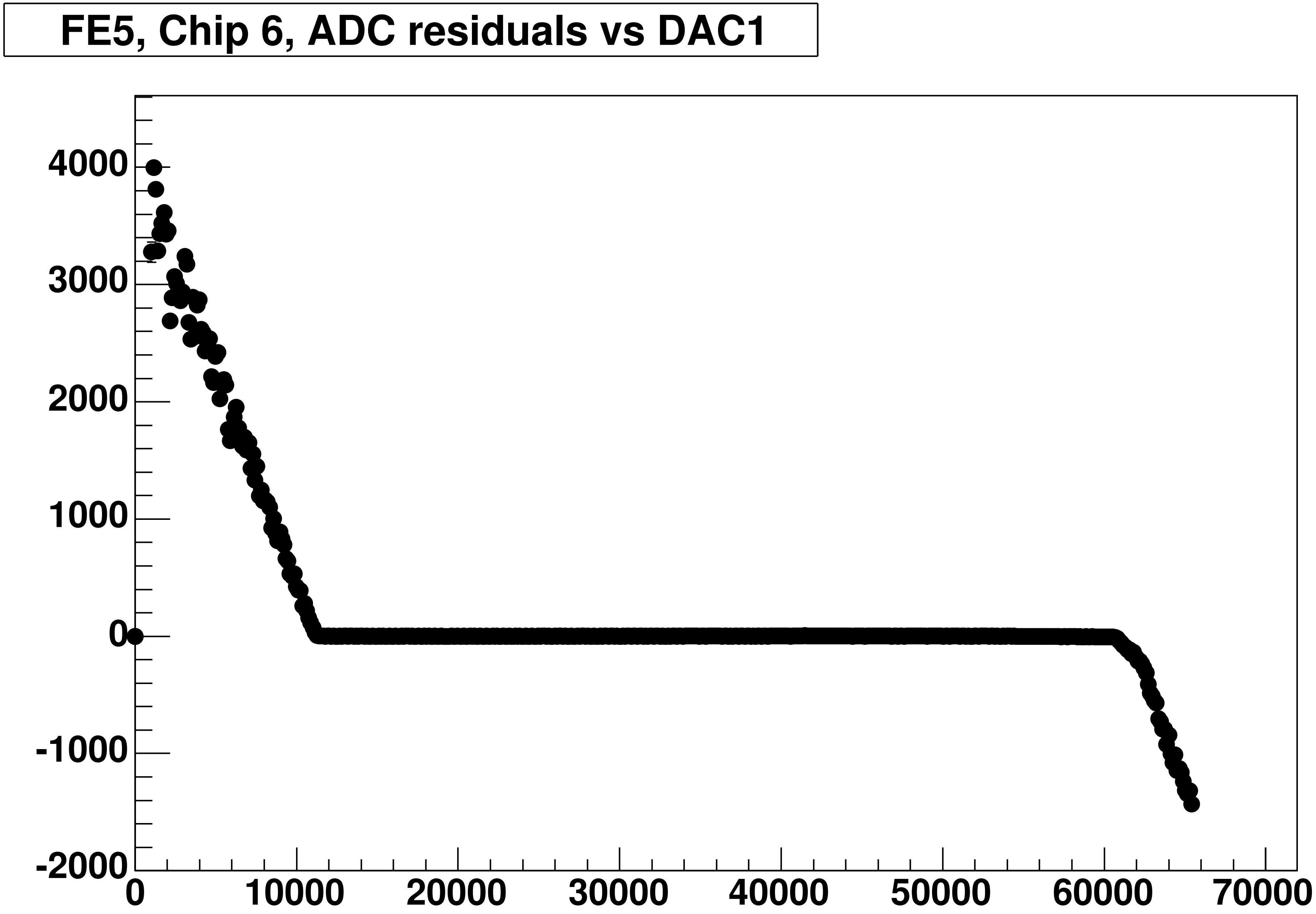

FE5, Chip 6, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

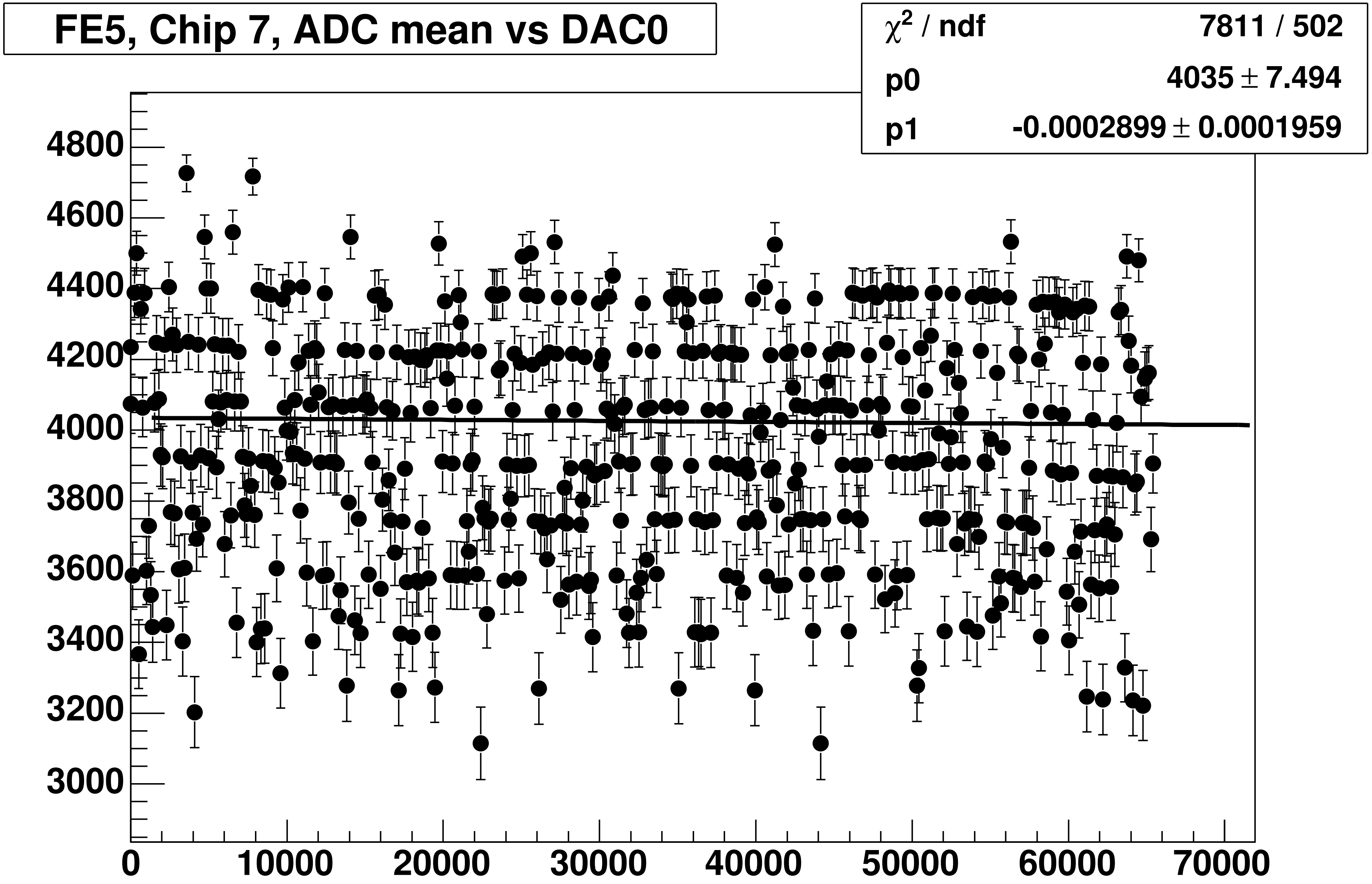

FE5, Chip 6, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



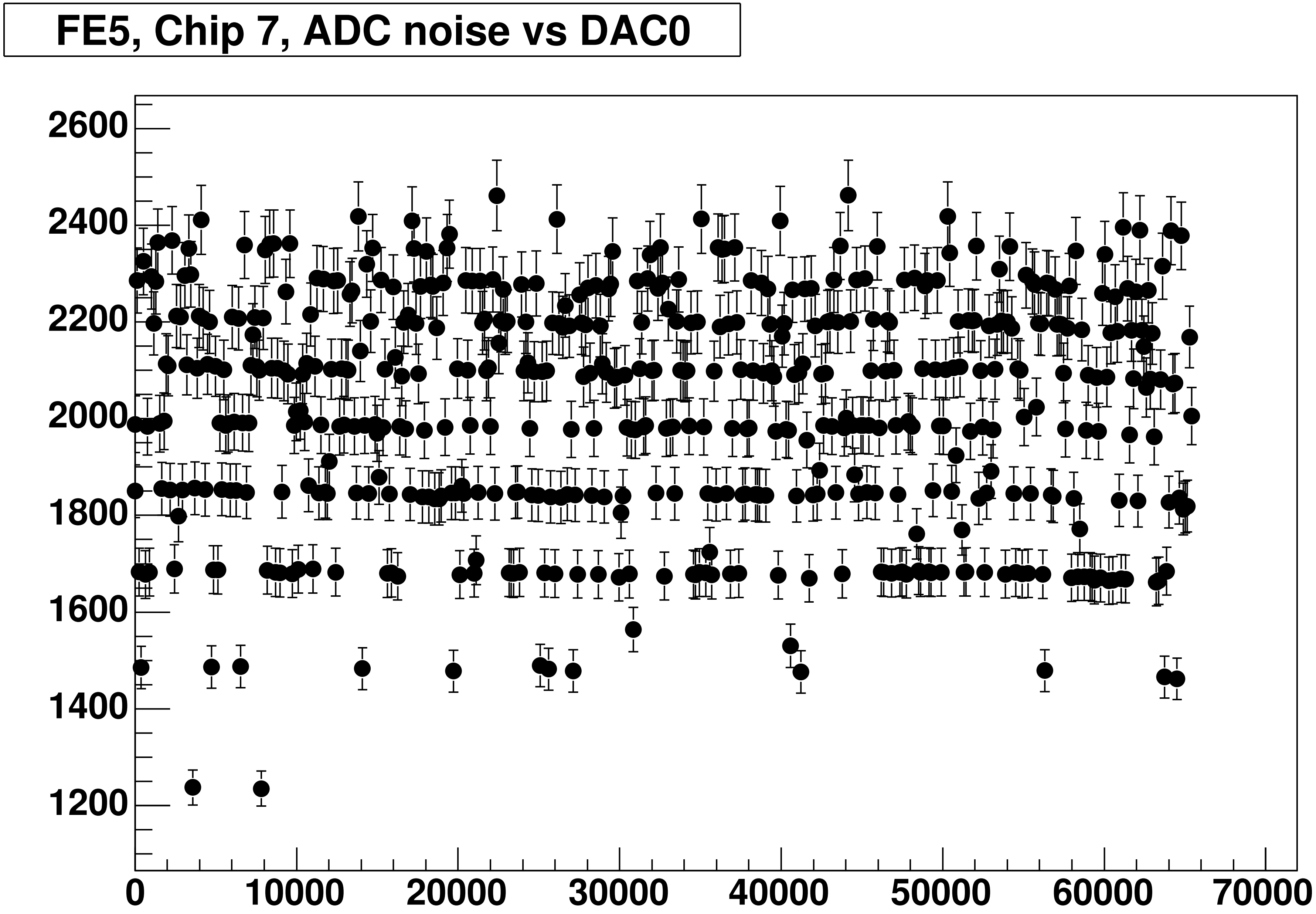
FE5, Chip 6, ADC mean vs DAC1
χ^2 / ndf 4.728e+05 / 502
p0 -60.14 ± 0.01724
p1 0.4545 ± 4.733e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

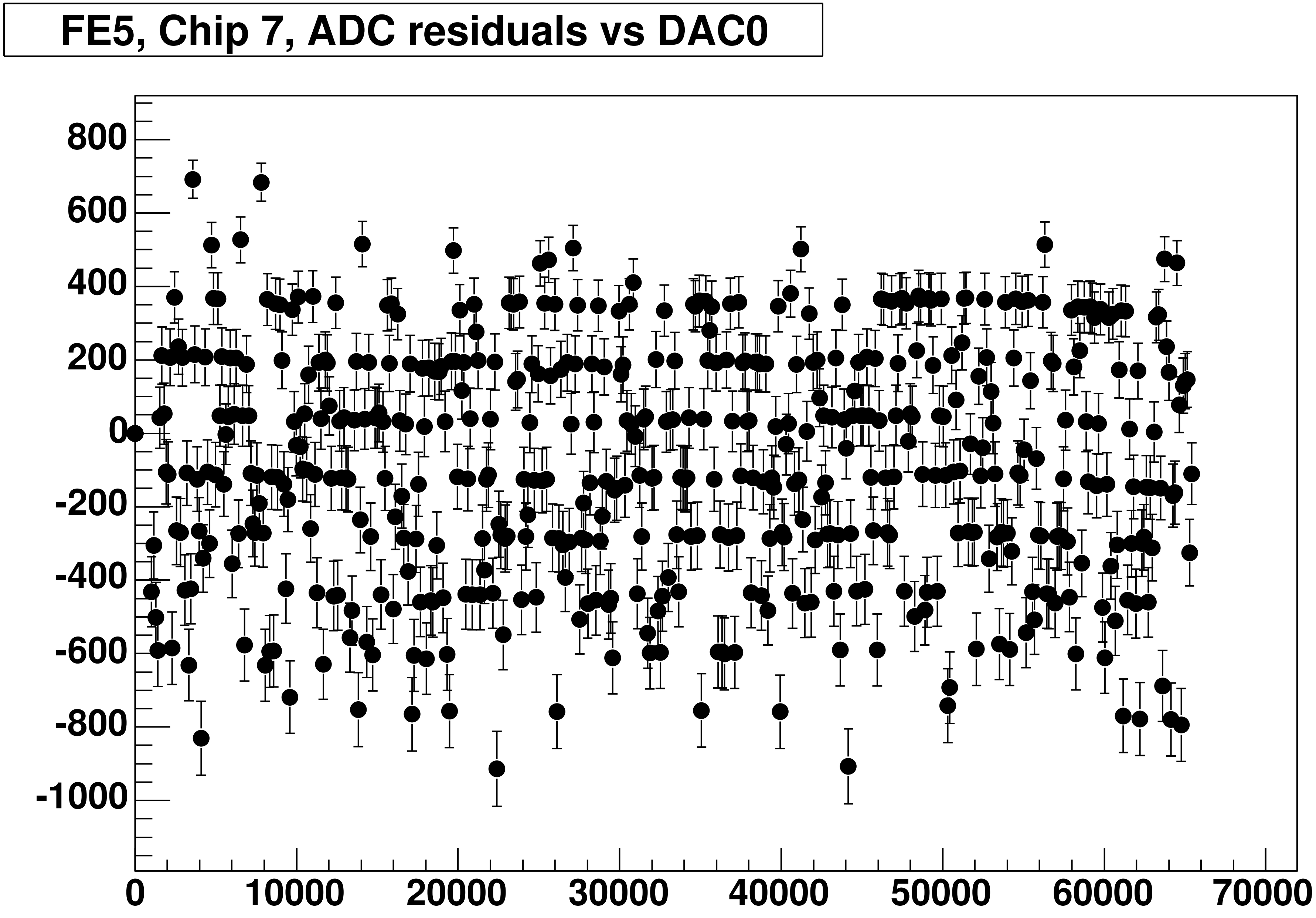

FE5, Chip 6, ADC noise vs DAC1
0
500
1000
1500
2000
2500
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 6, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

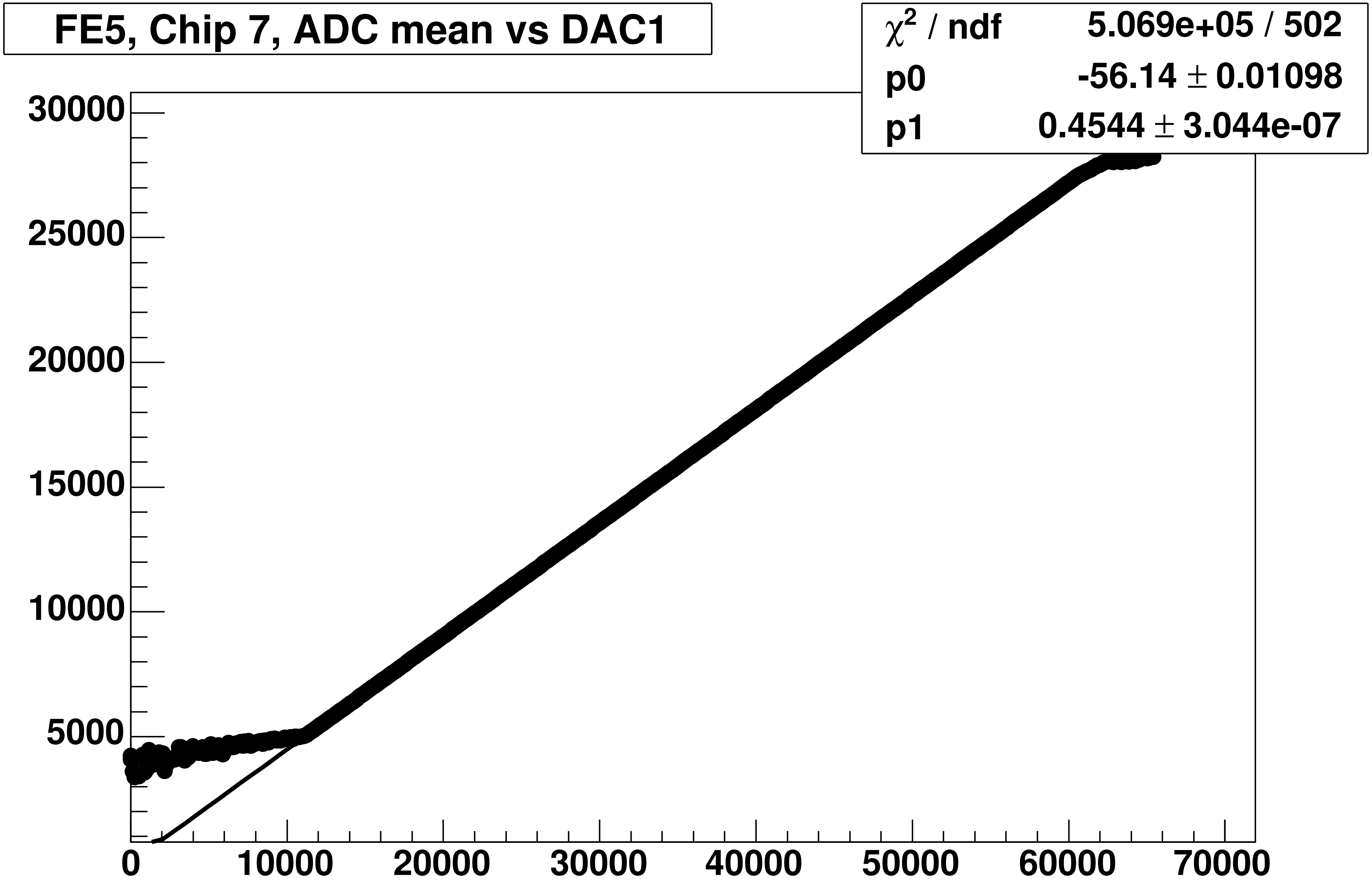


FE5, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4035 ± 7.494
p1 -0.0002899 ± 0.0001959
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

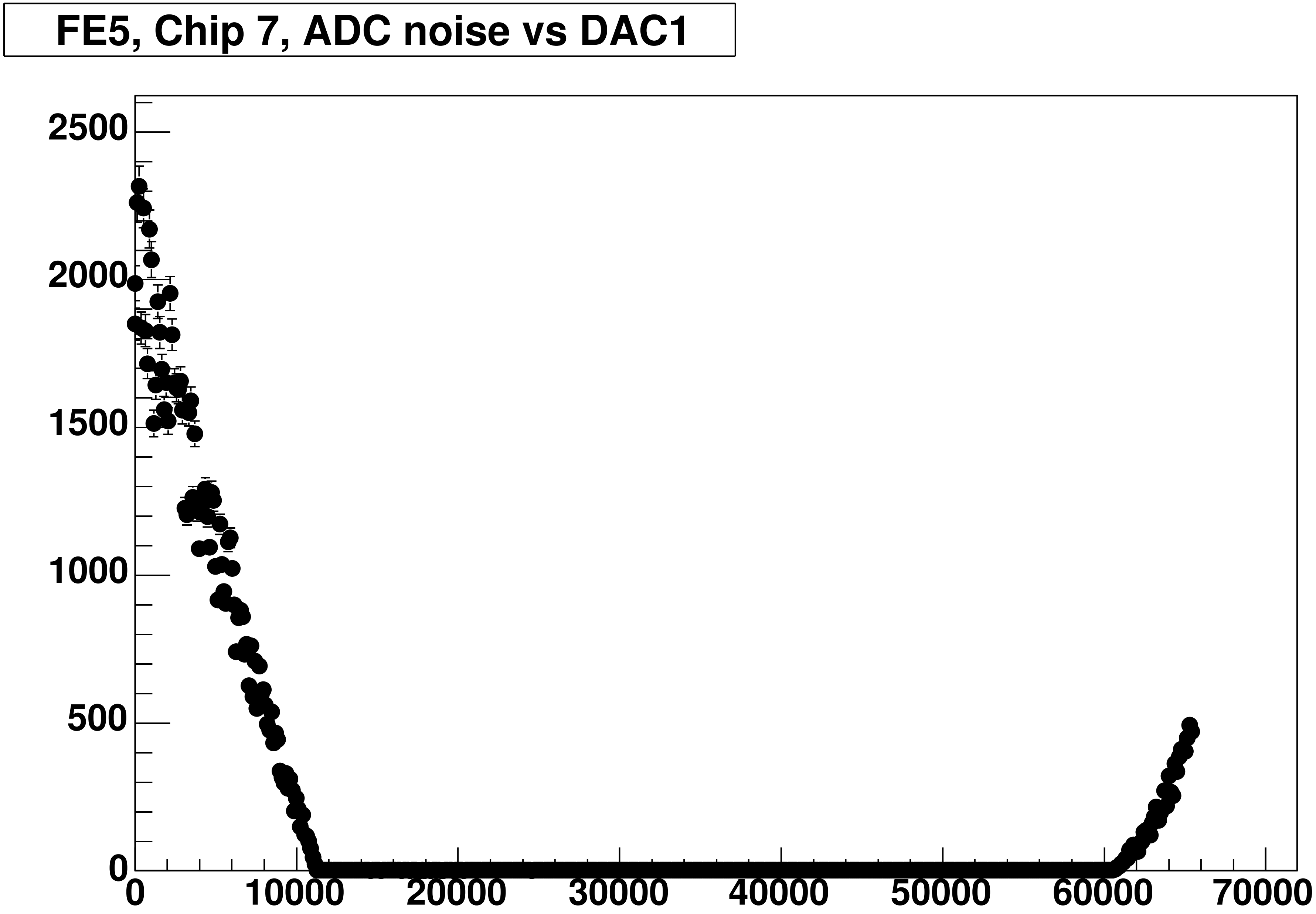

FE5, Chip 7, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

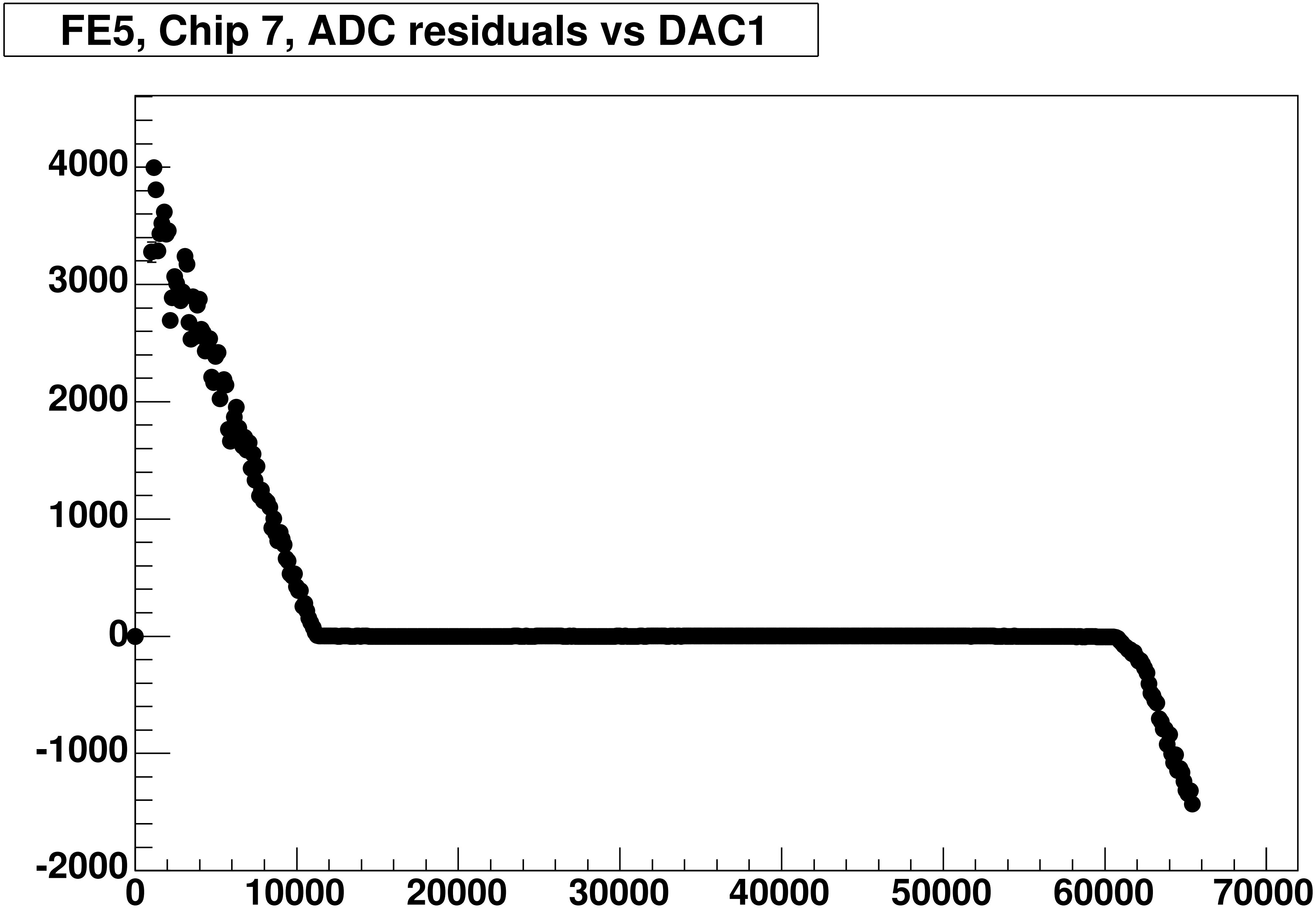


FE5, Chip 7, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

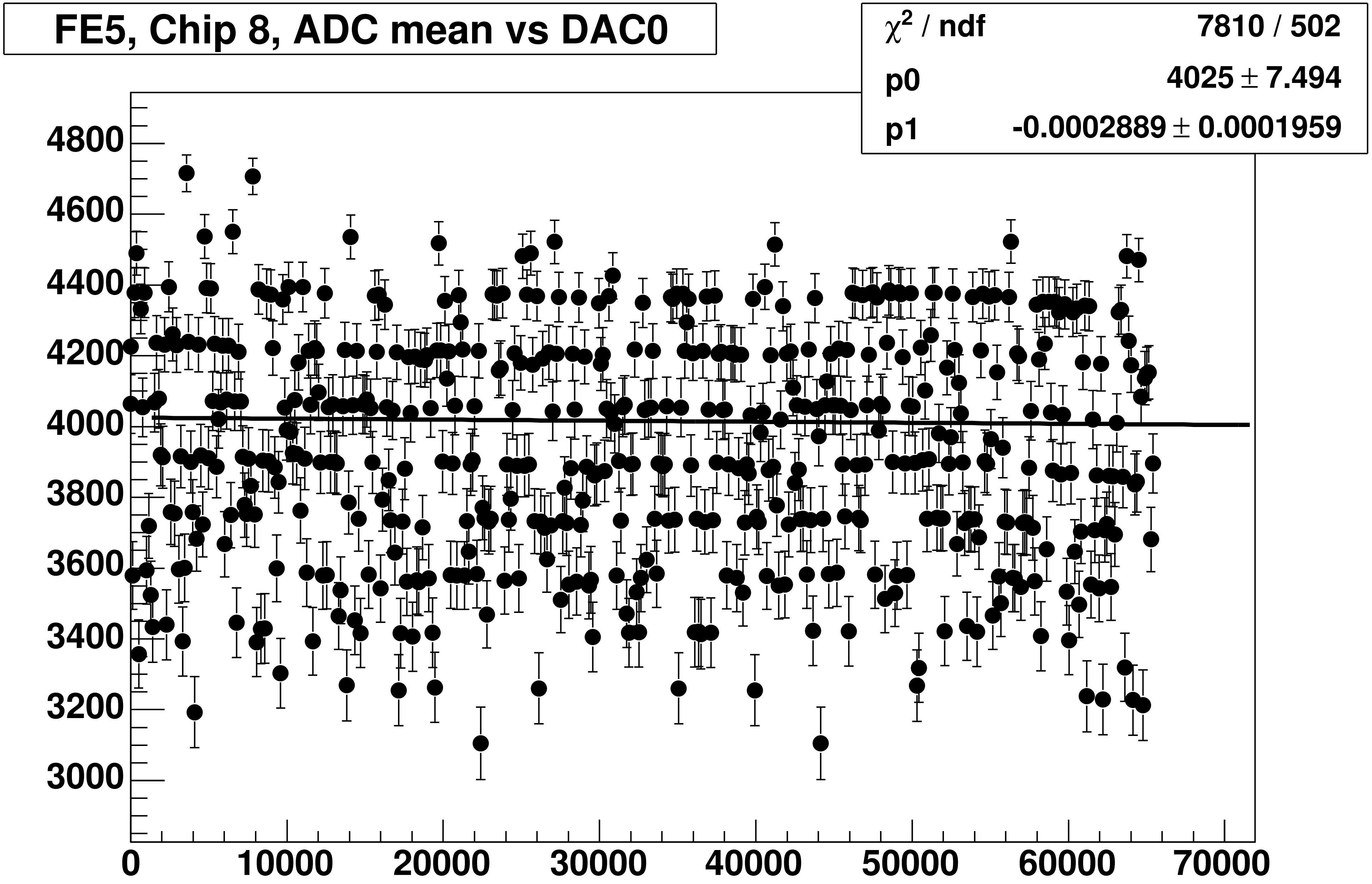


FE5, Chip 7, ADC mean vs DAC1
χ^2 / ndf 5.069e+05 / 502
p0 -56.14 ± 0.01098
p1 0.4544 ± 3.044e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

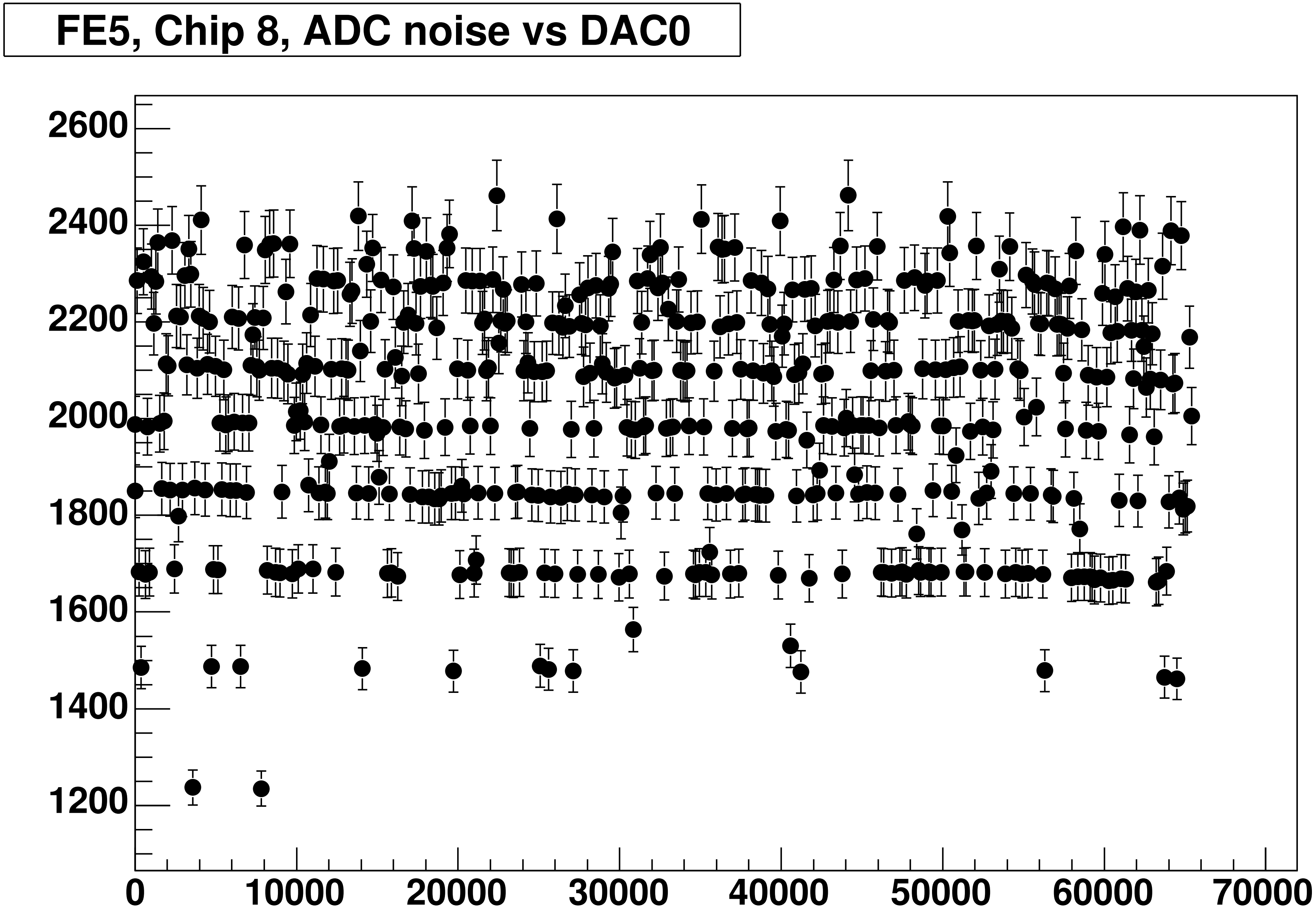

FE5, Chip 7, ADC noise vs DAC1
0
500
1000
1500
2000
2500
0
10000
20000
30000
40000
50000
60000
70000

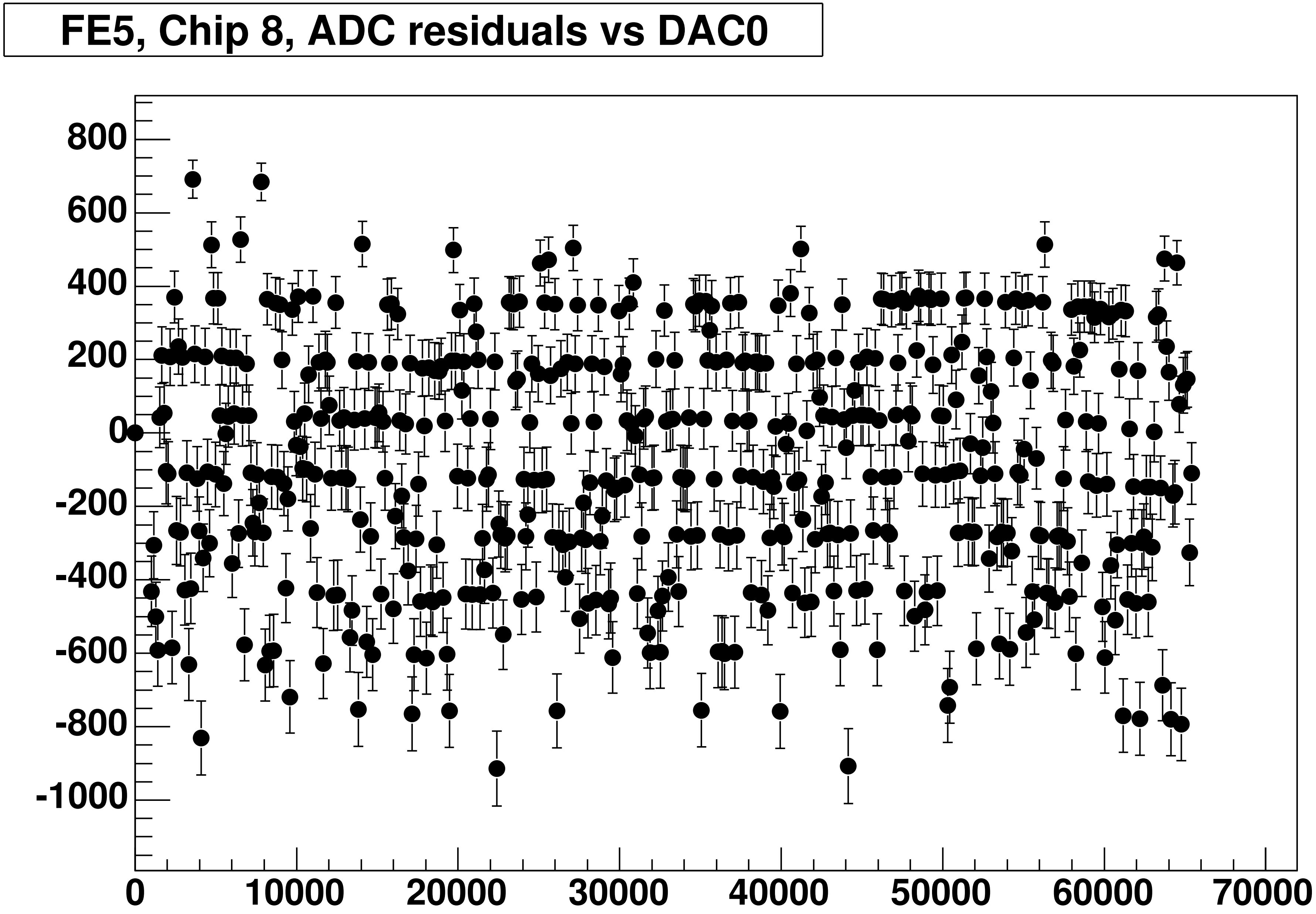


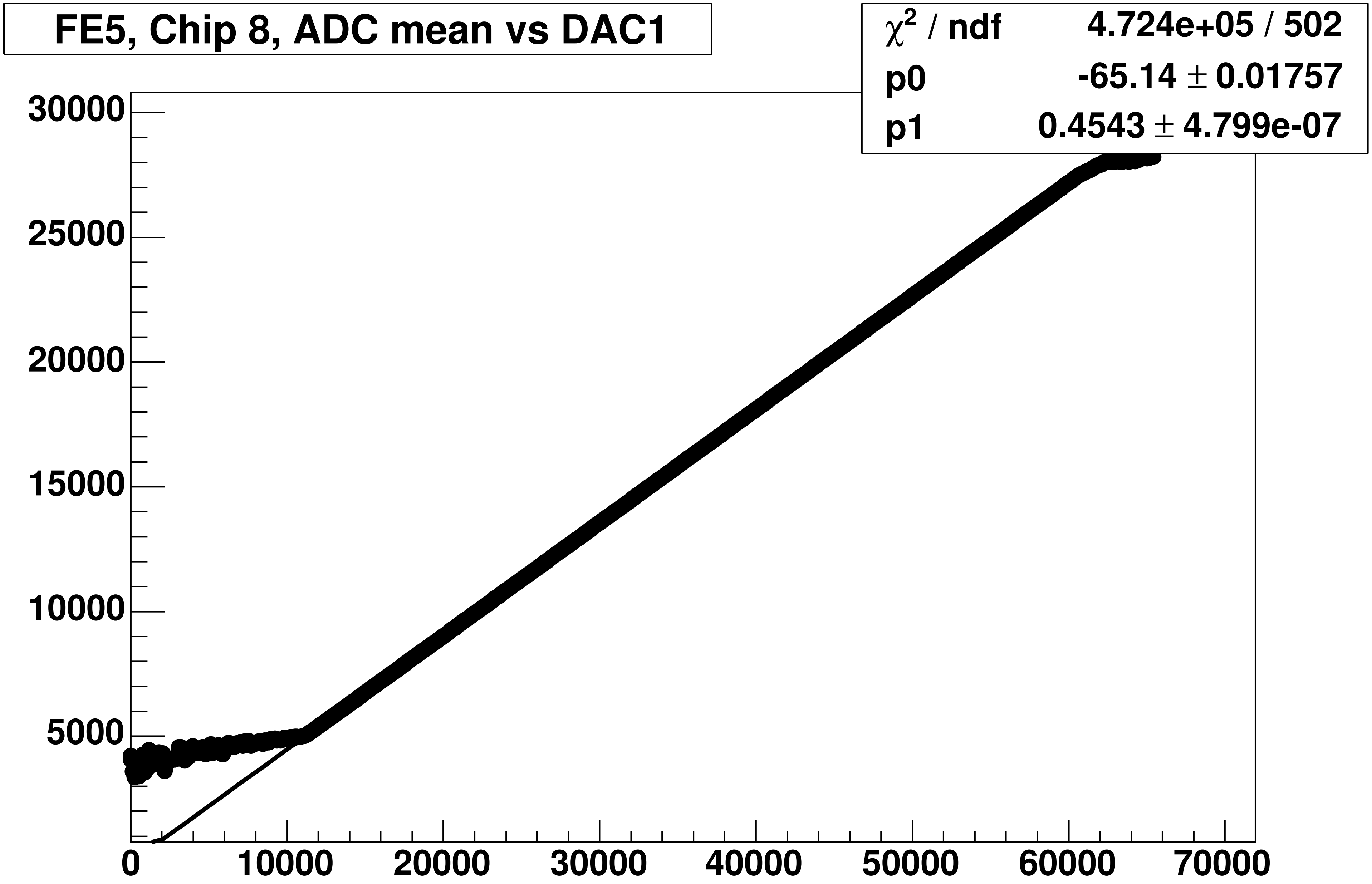
FE5, Chip 7, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

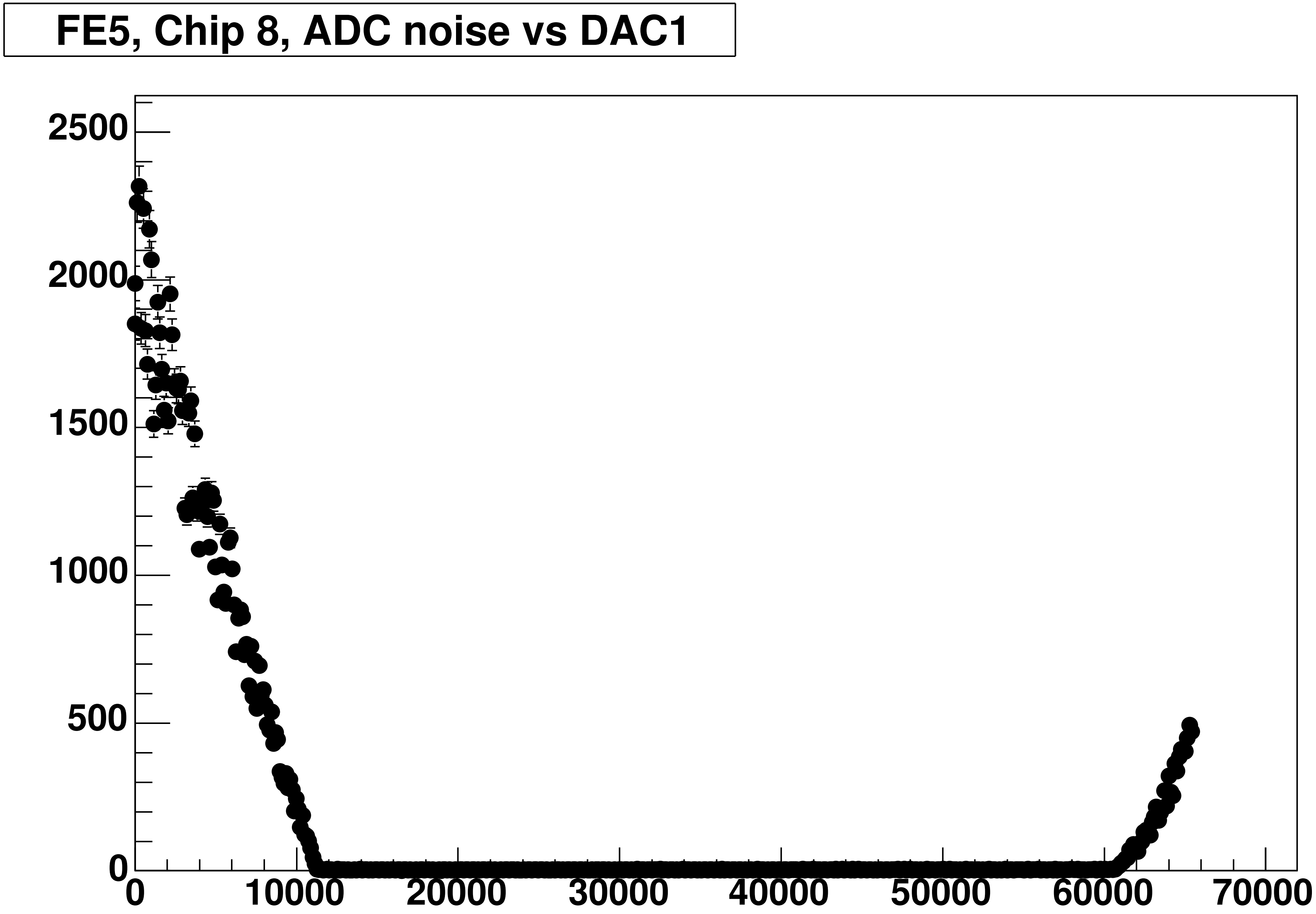


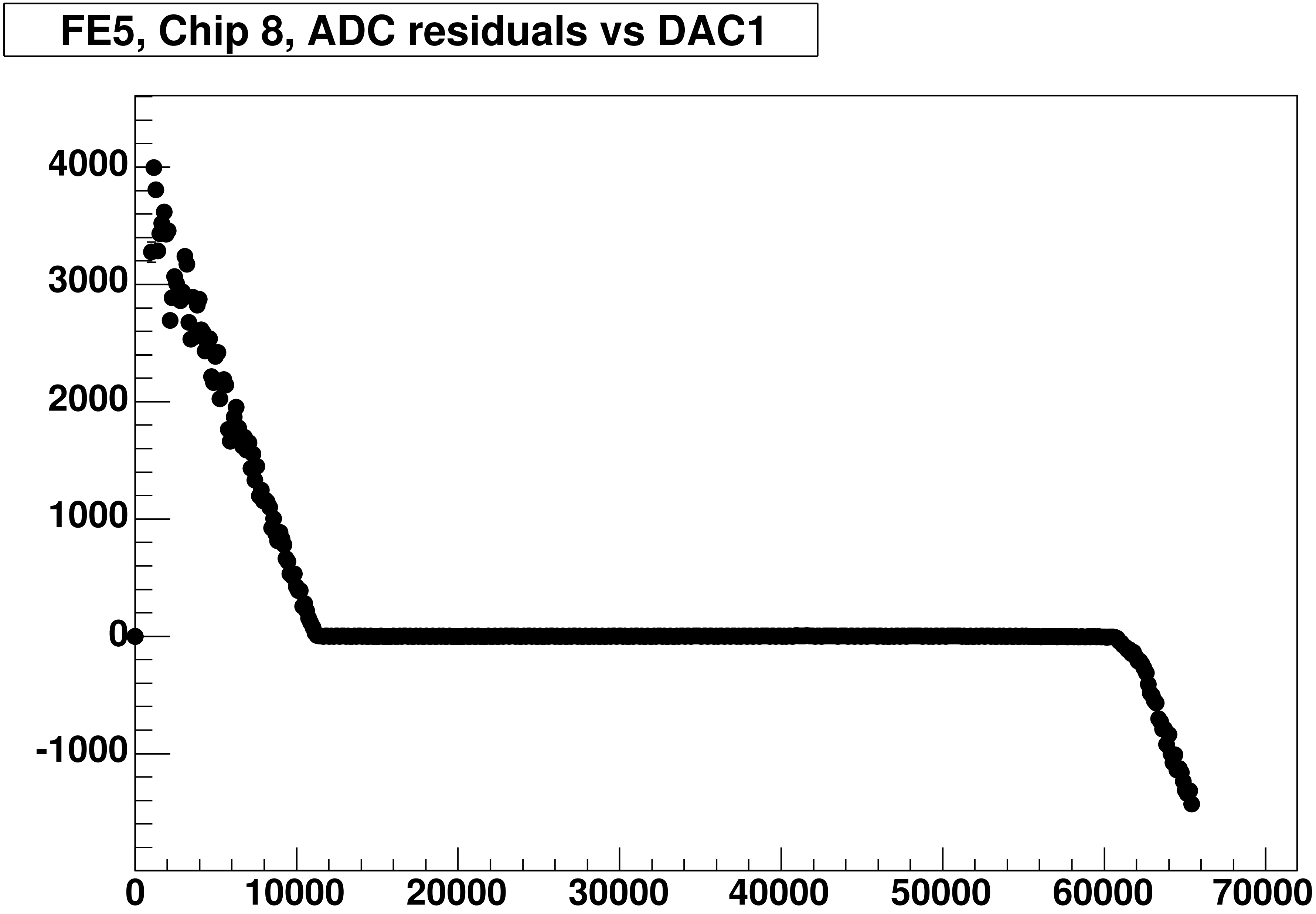
FE5, Chip 8, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 4025 ± 7.494
p1 -0.0002889 ± 0.0001959
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 8, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

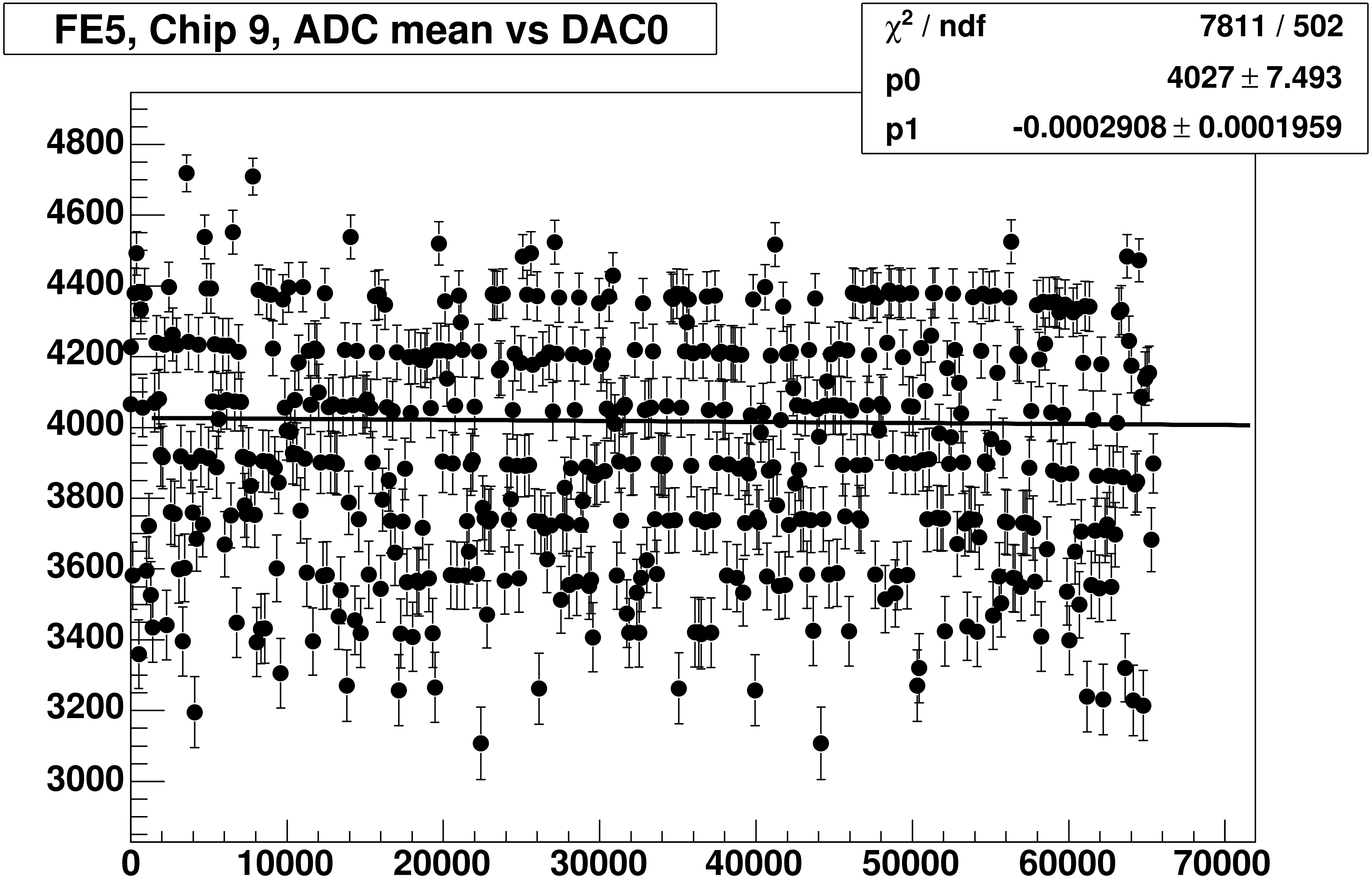

FE5, Chip 8, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 8, ADC mean vs DAC1
χ^2 / ndf 4.724e+05 / 502
p0 -65.14 ± 0.01757
p1 0.4543 ± 4.799e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

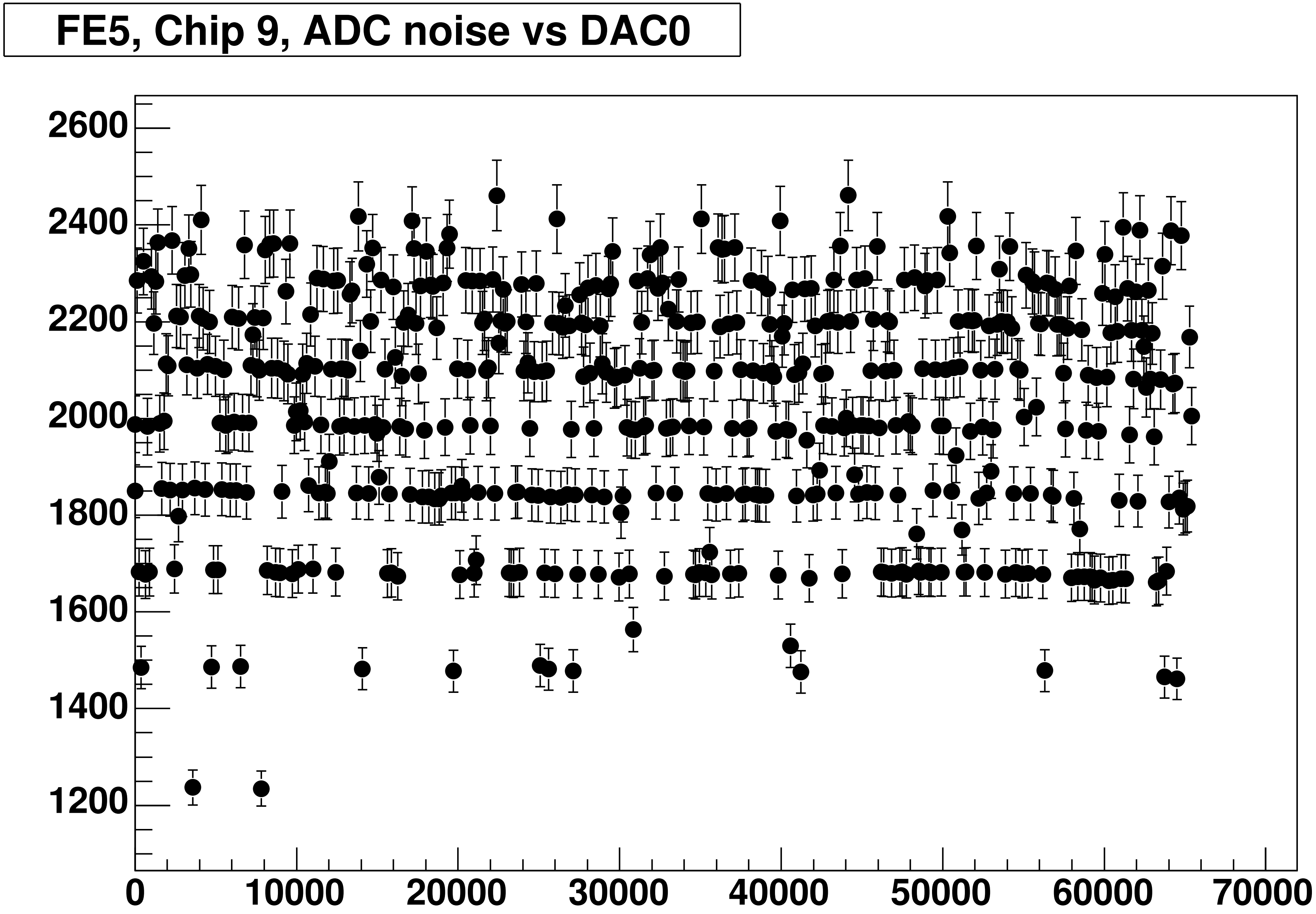

FE5, Chip 8, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

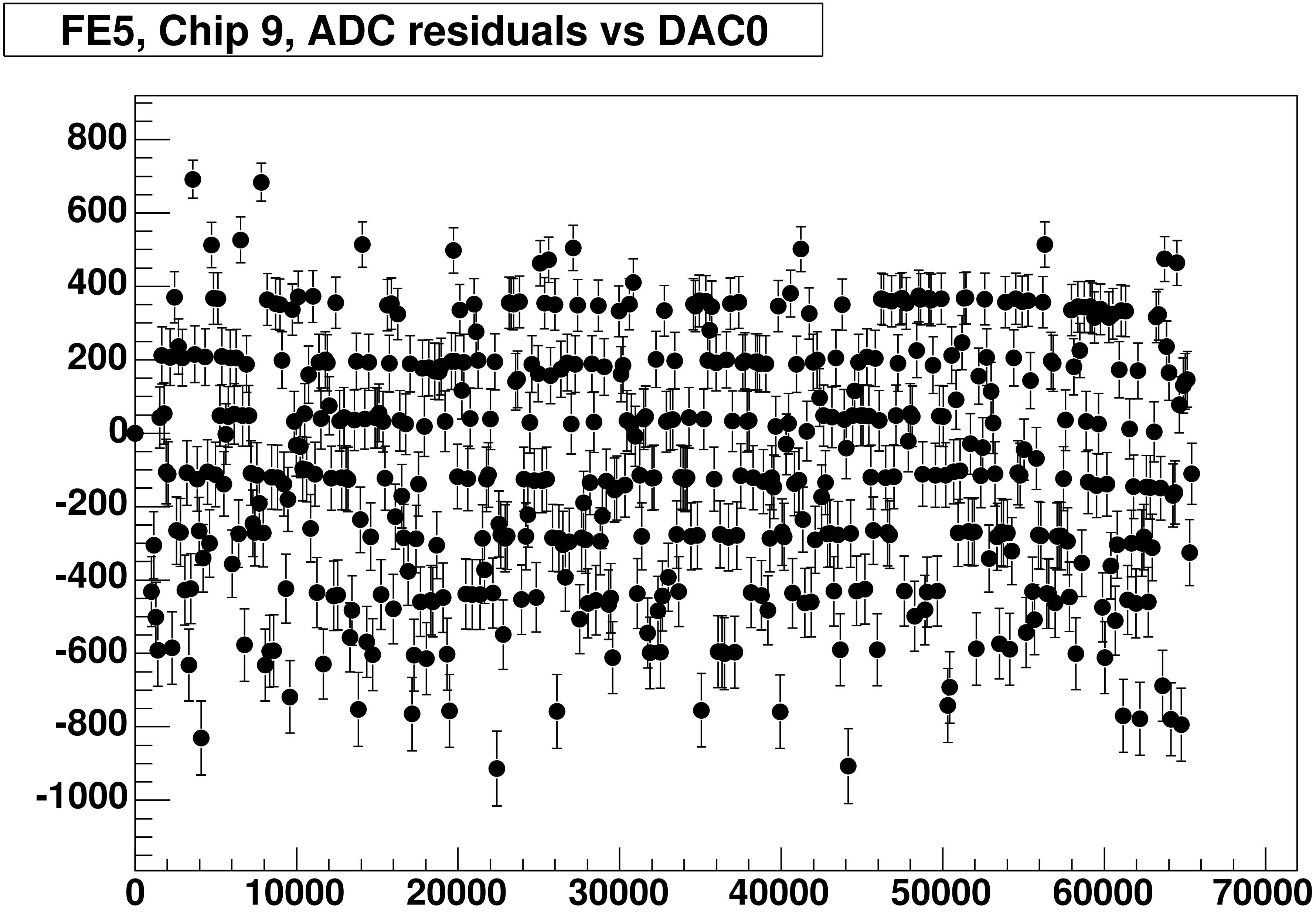


FE5, Chip 8, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

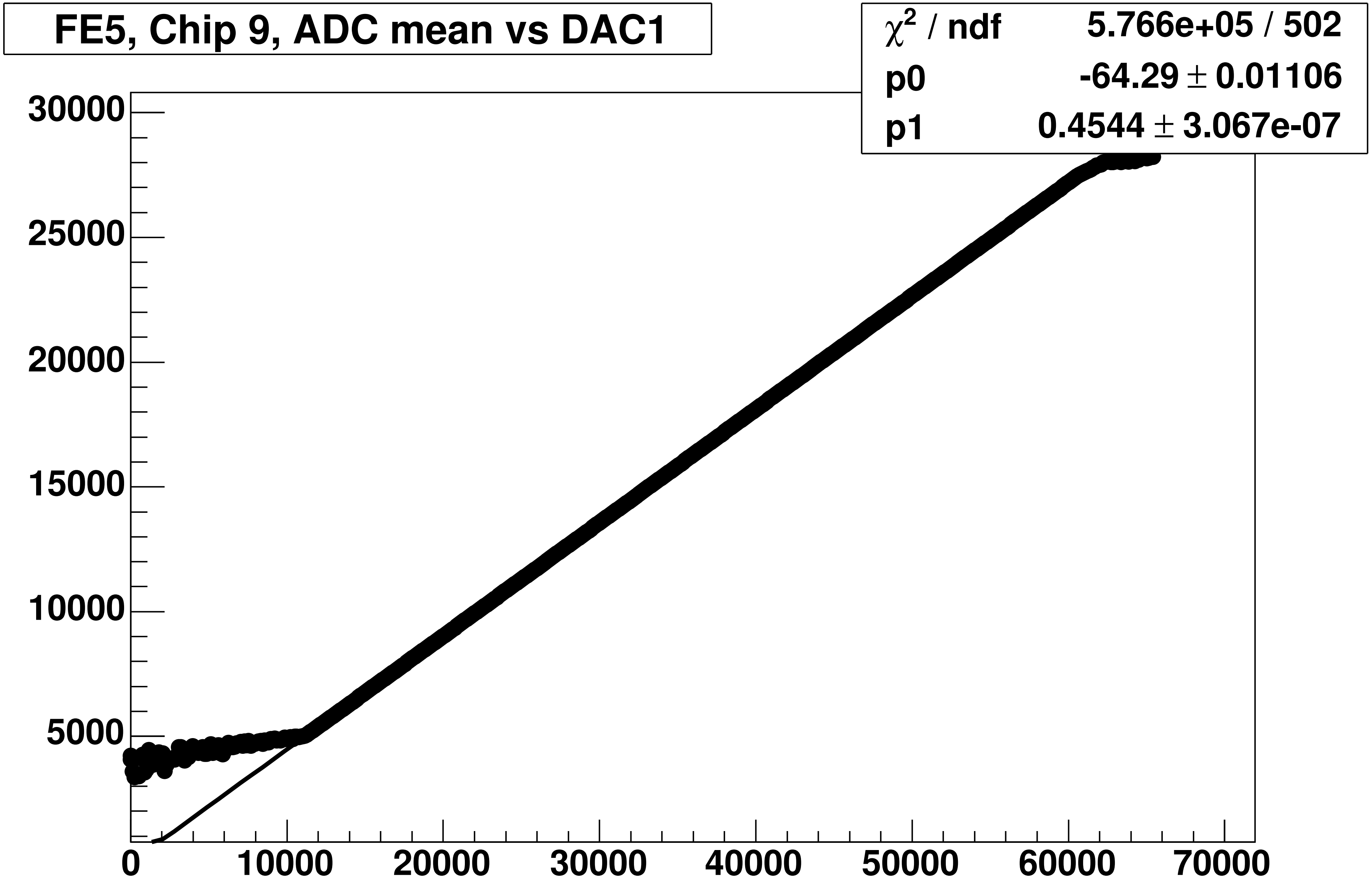


FE5, Chip 9, ADC mean vs DAC0
χ² / ndf 7811 / 502
p0 4027 ± 7.493
p1 -0.0002908 ± 0.0001959
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 9, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

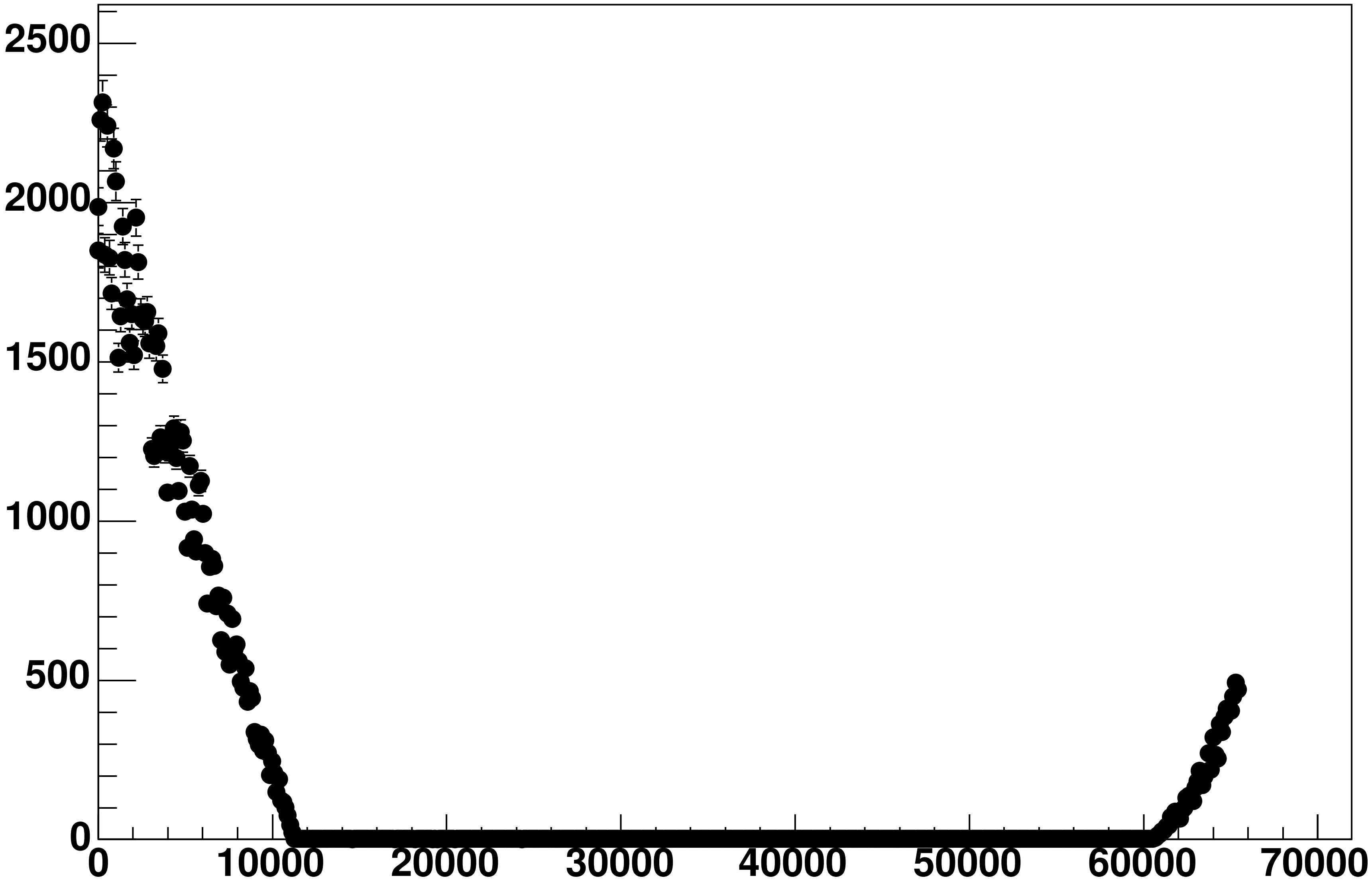


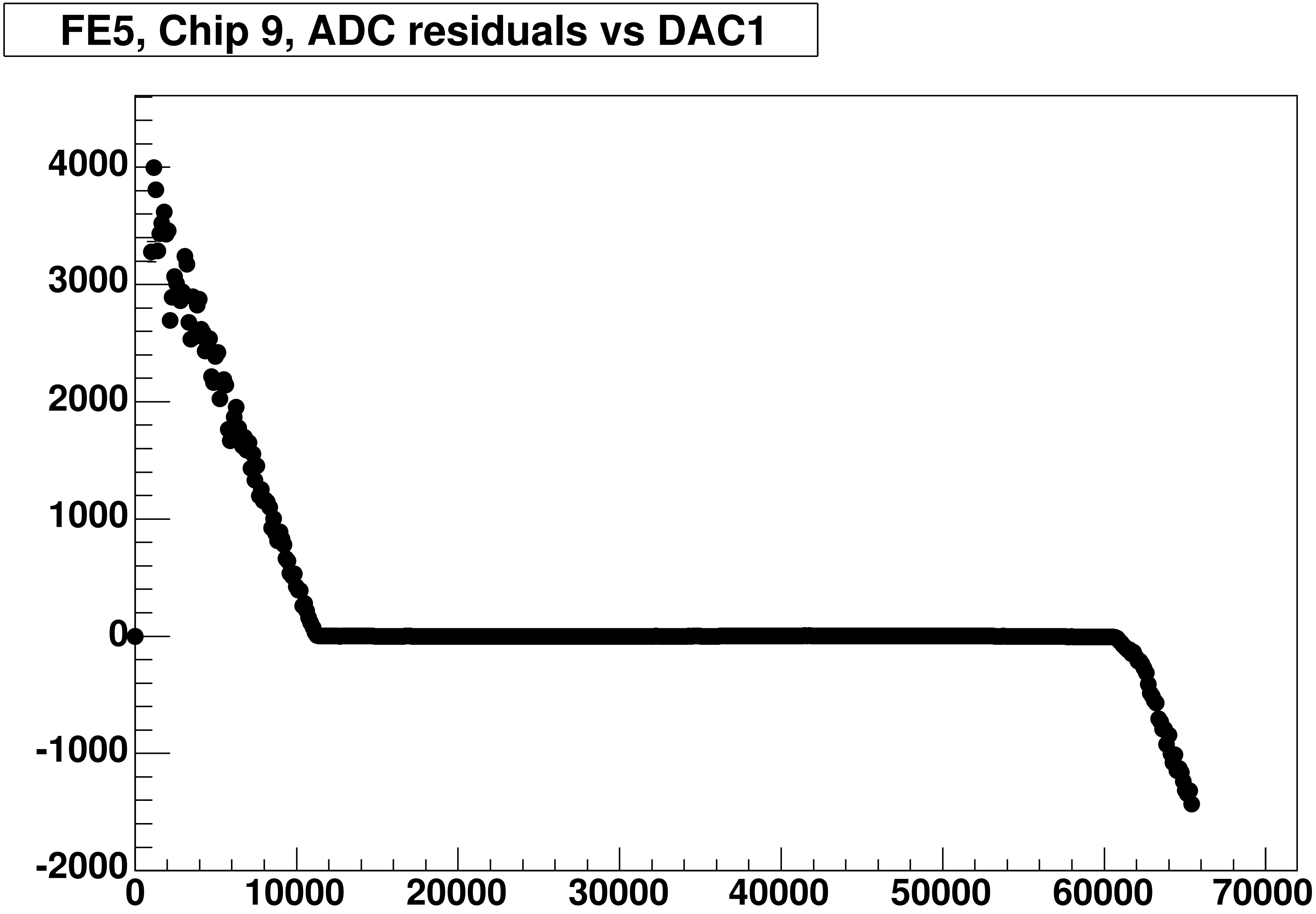
FE5, Chip 9, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

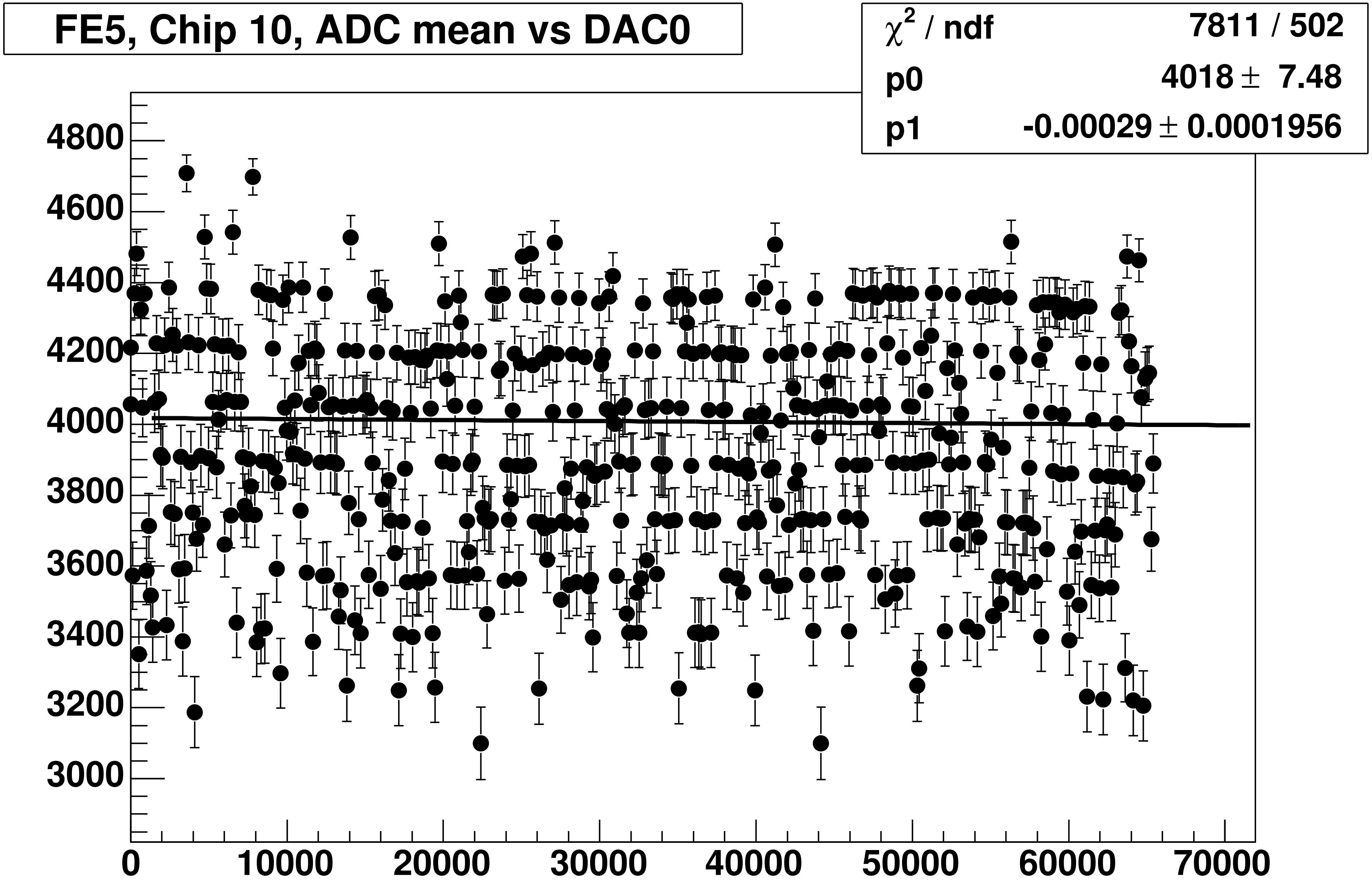


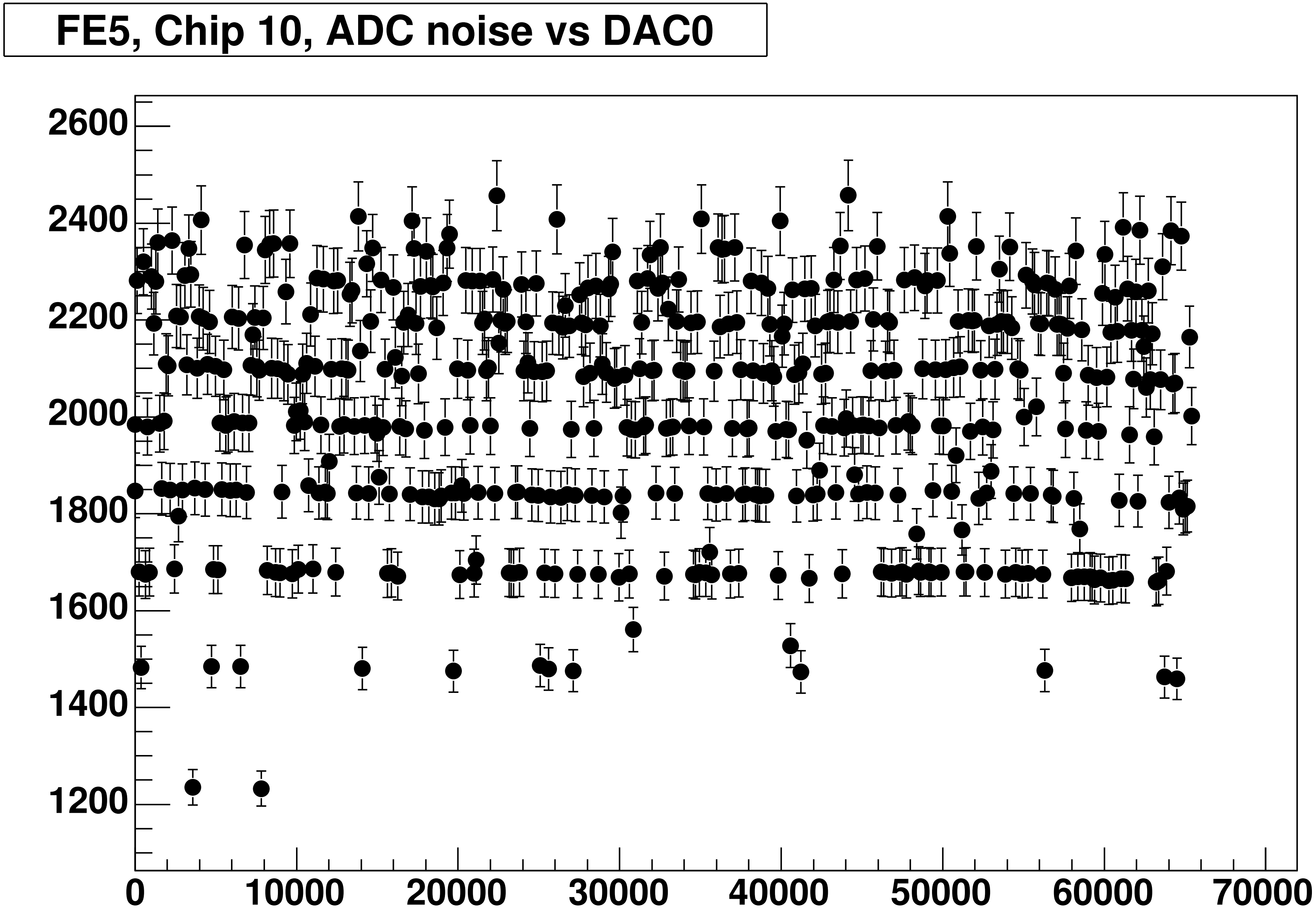
FE5, Chip 9, ADC mean vs DAC1
χ^2 / ndf 5.766e+05 / 502
p0 -64.29 ± 0.01106
p1 0.4544 ± 3.067e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

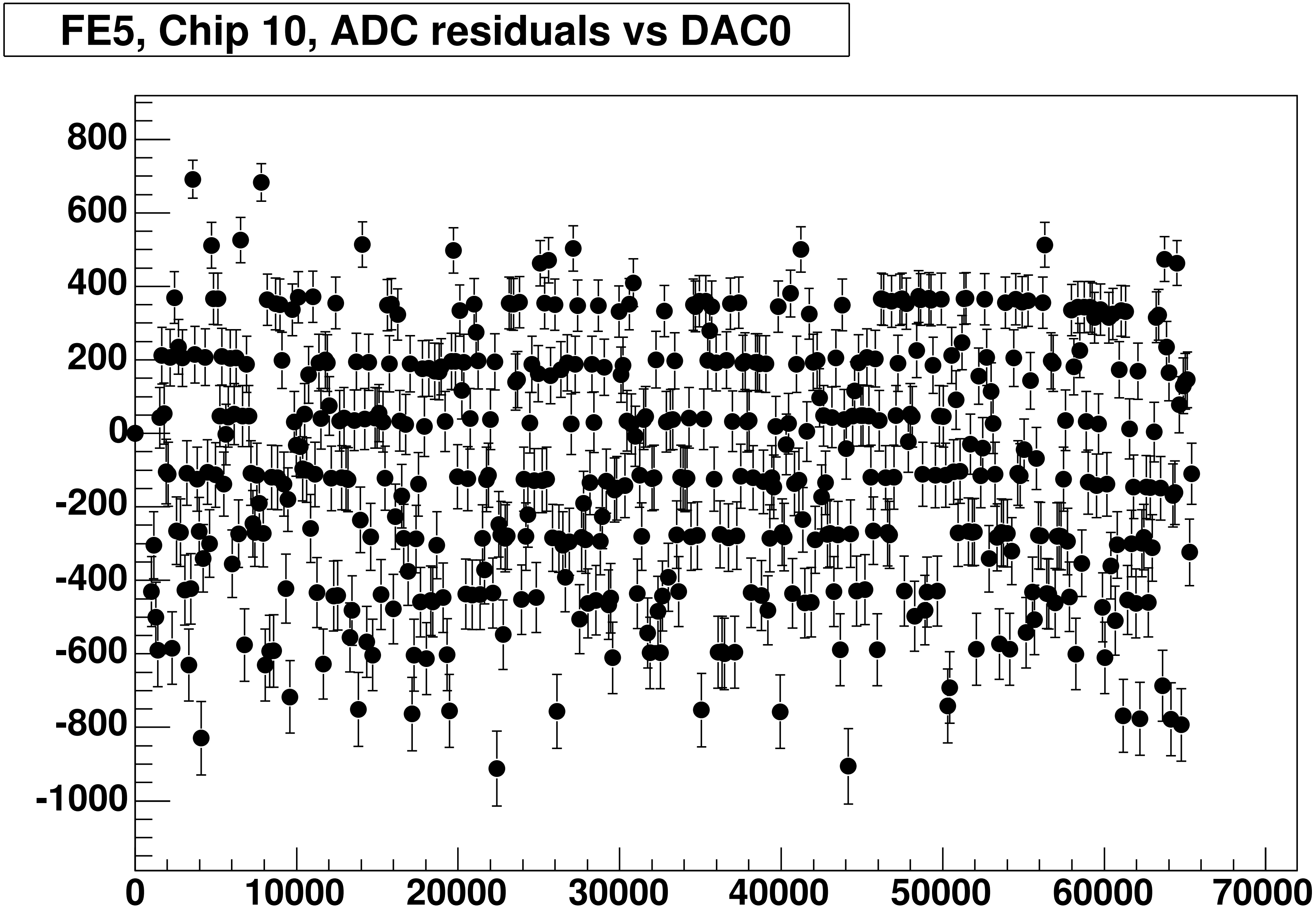
FE5, Chip 9, ADC noise vs DAC1



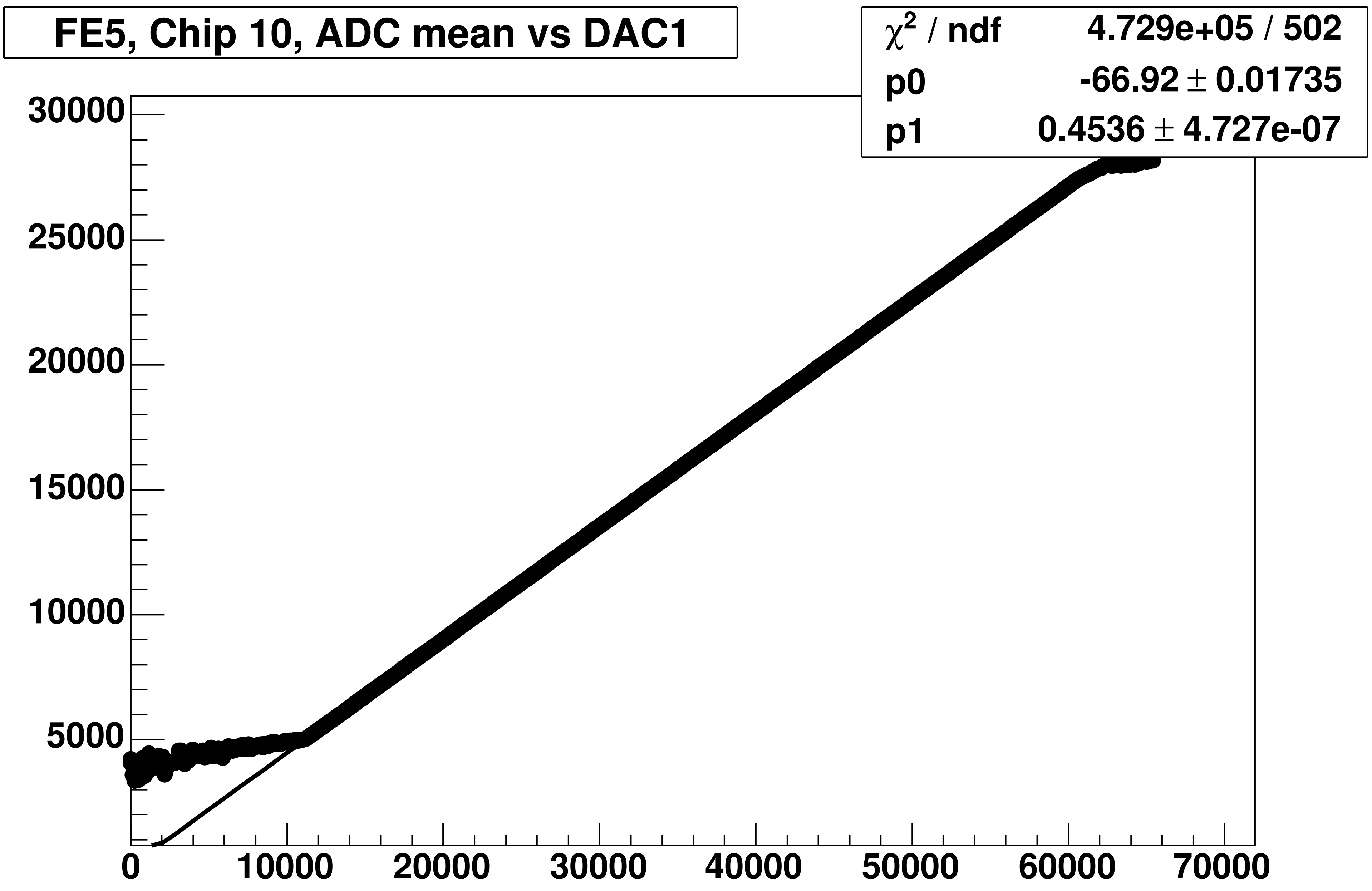

FE5, Chip 9, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 10, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4018 ± 7.48
p1 -0.00029 ± 0.0001956
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 10, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

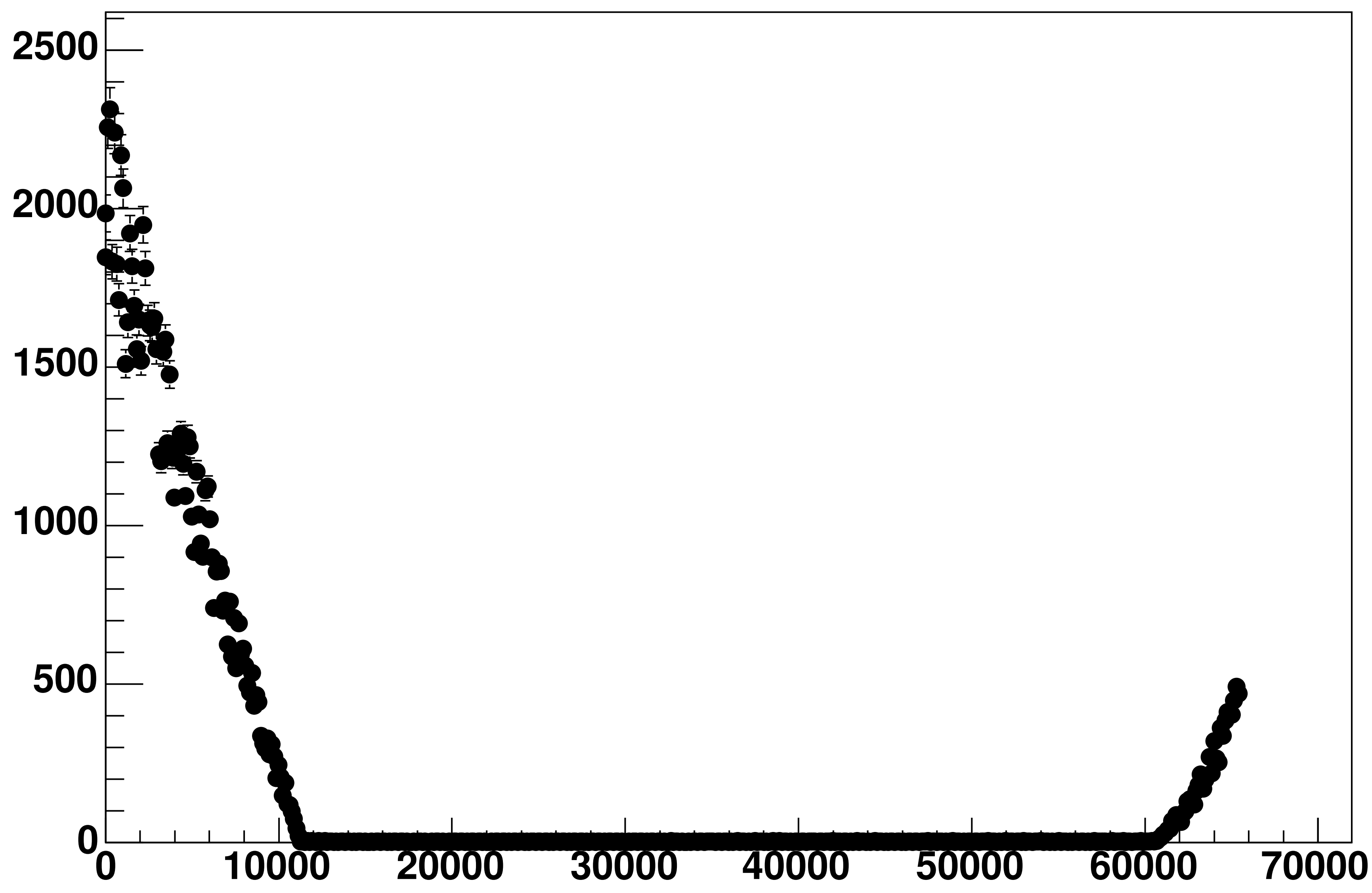


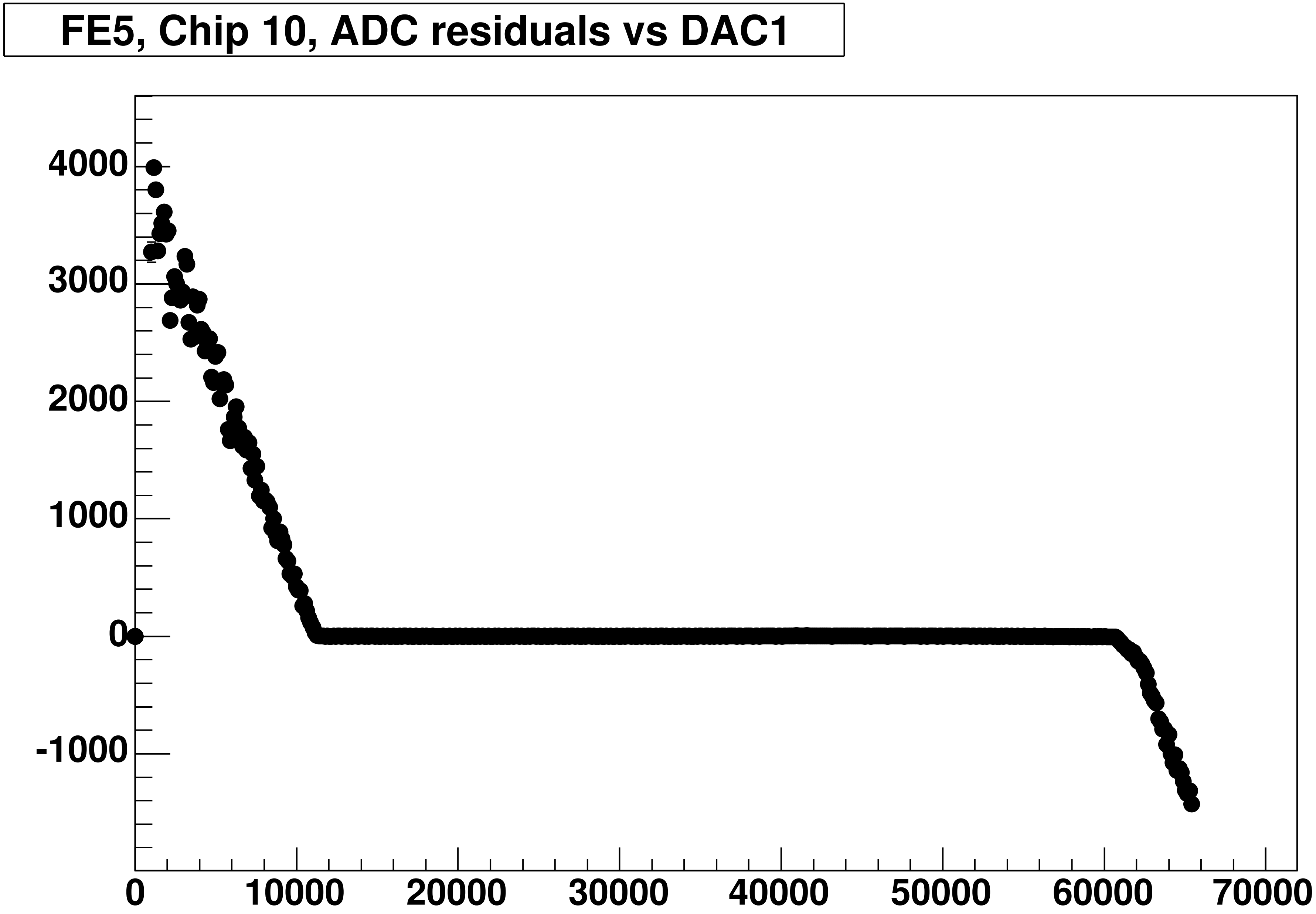
FE5, Chip 10, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

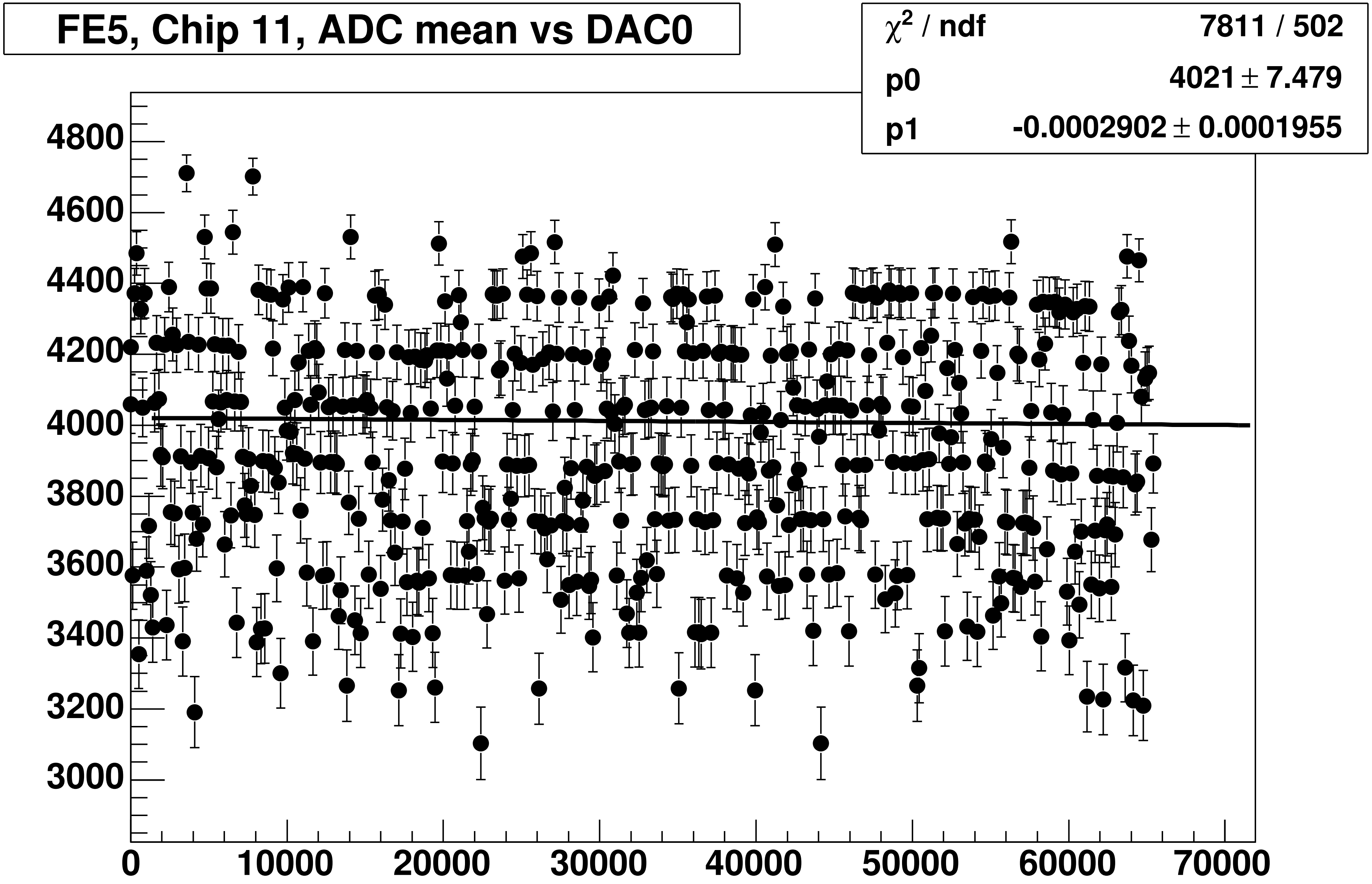


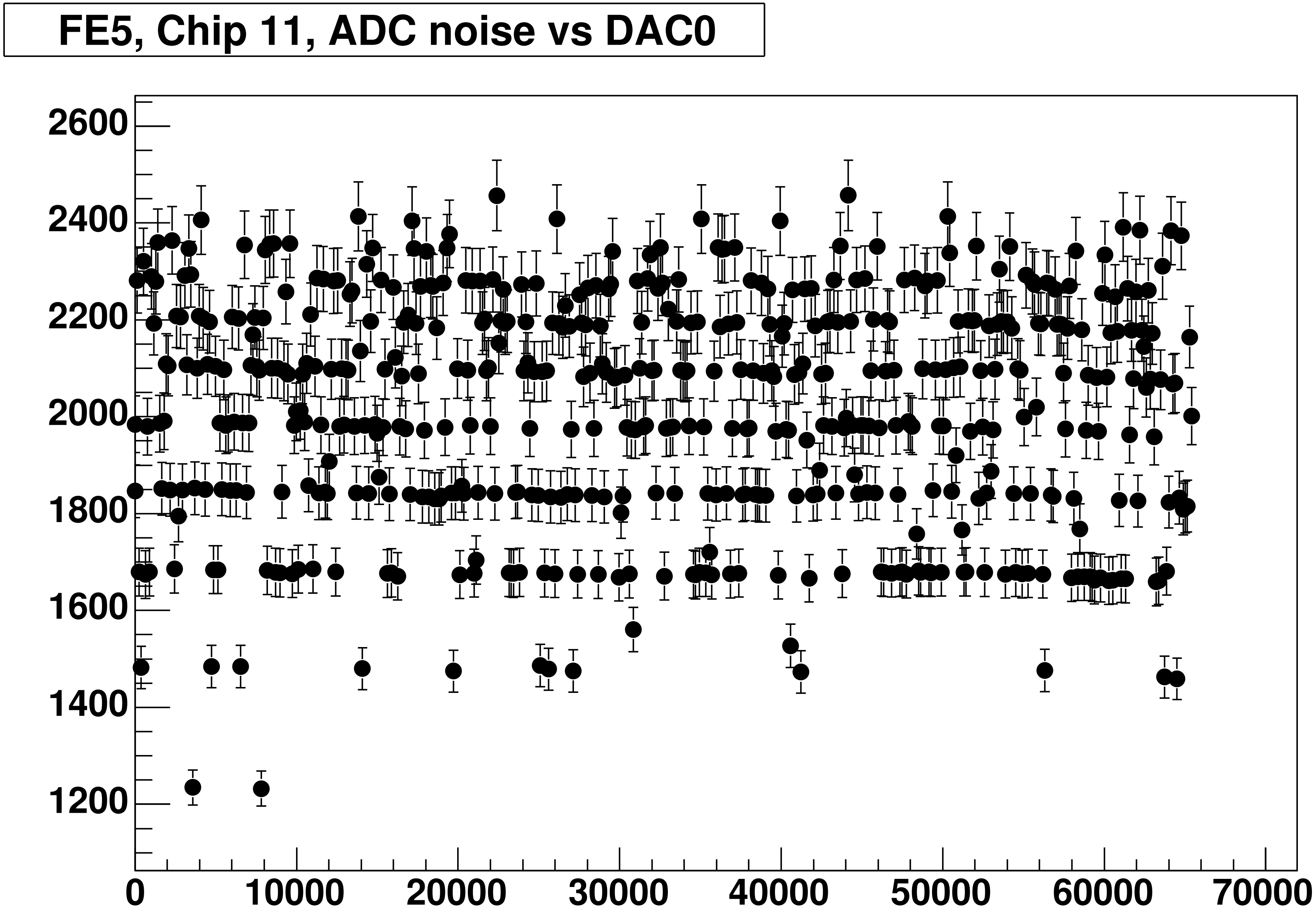
FE5, Chip 10, ADC mean vs DAC1
χ^2 / ndf 4.729e+05 / 502
p0 -66.92 ± 0.01735
p1 0.4536 ± 4.727e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

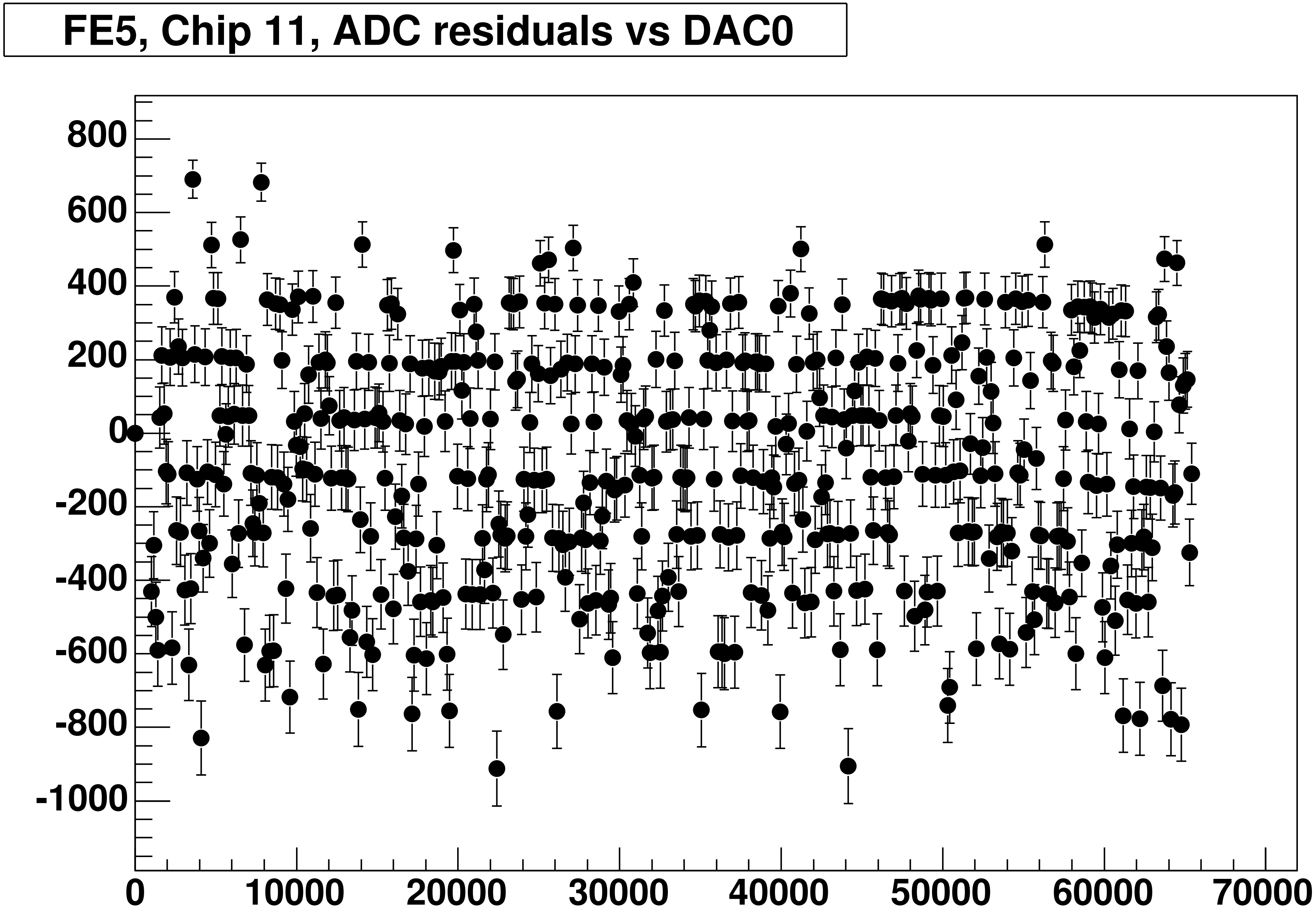
FE5, Chip 10, ADC noise vs DAC1

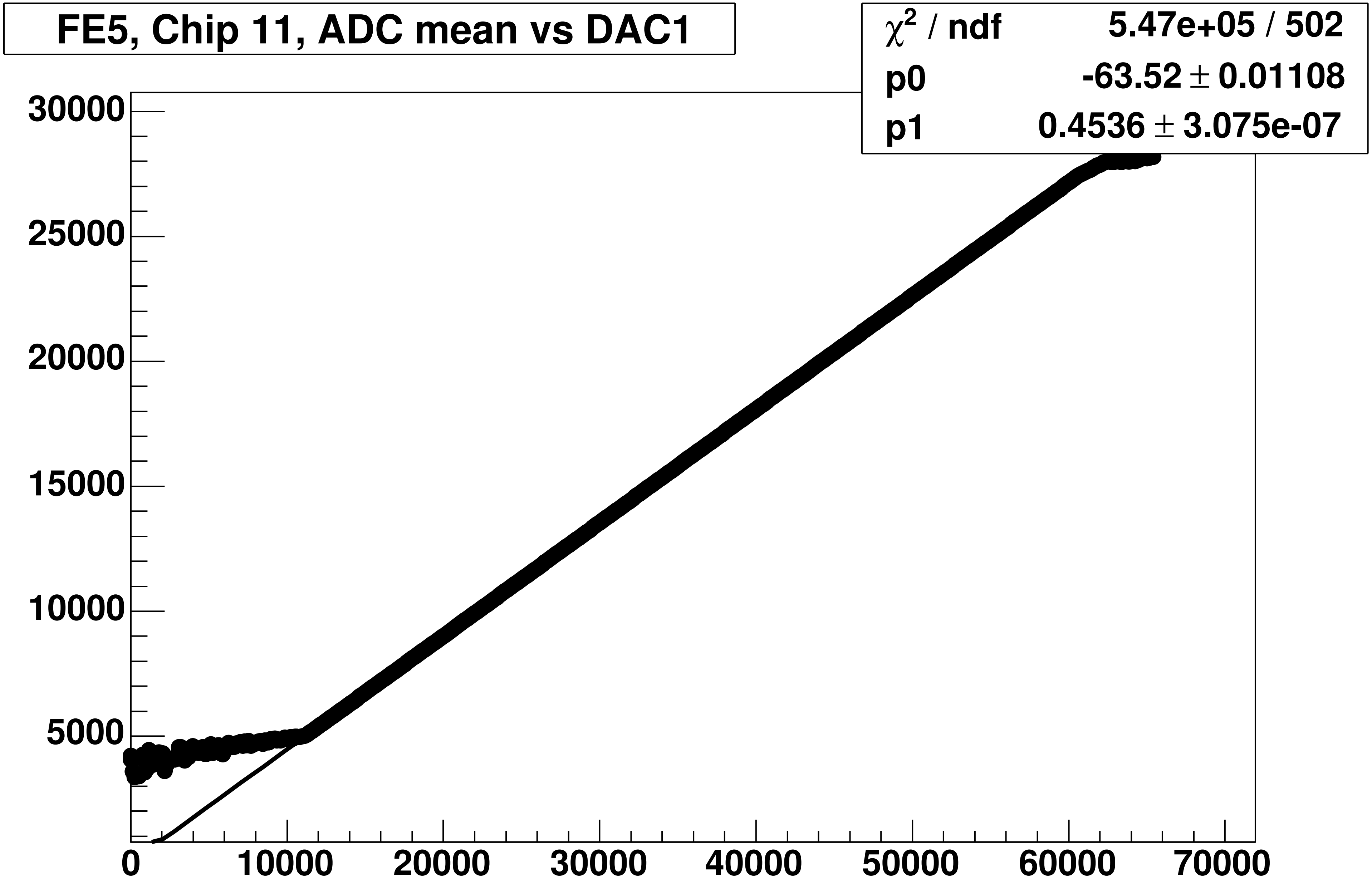


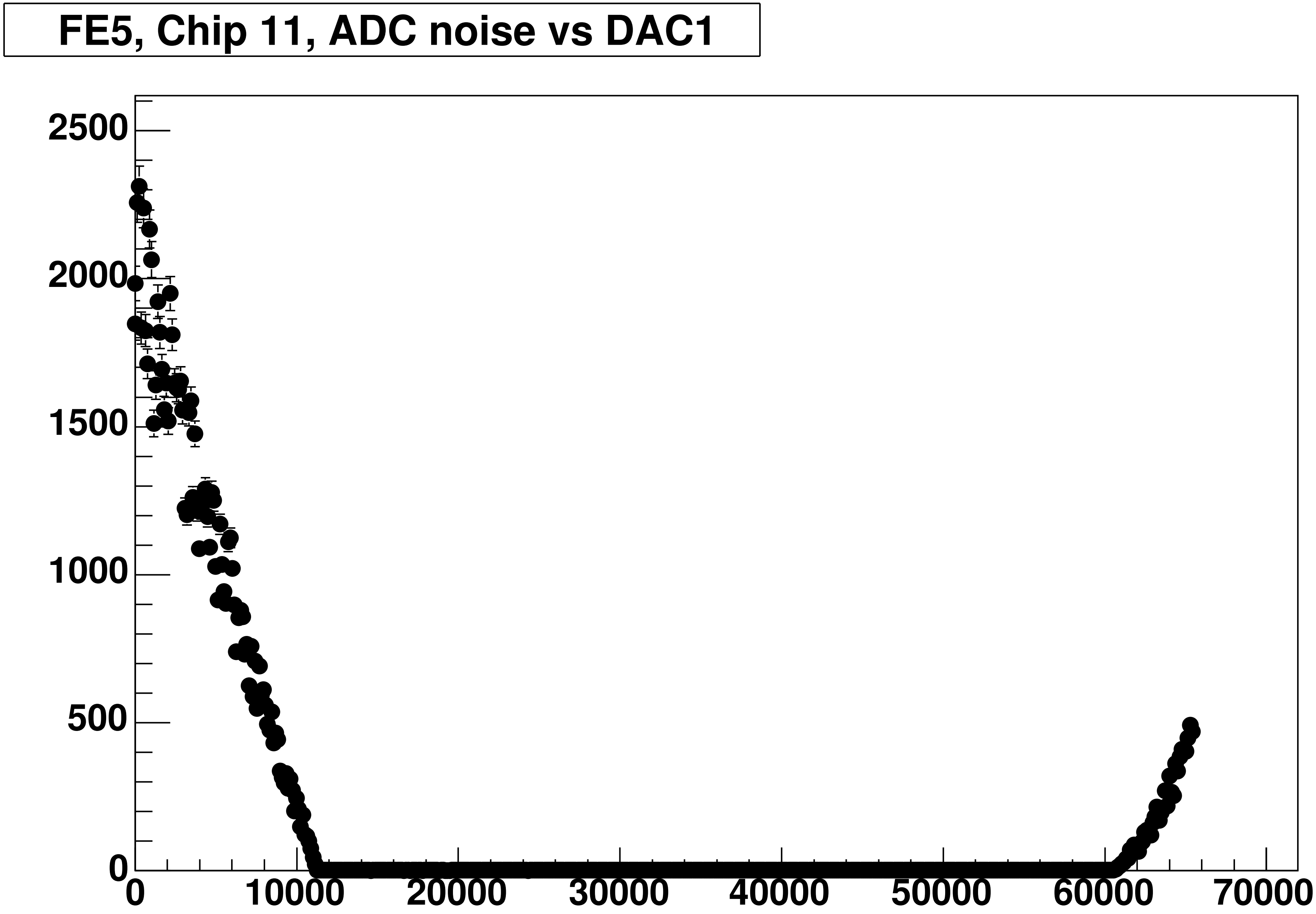

FE5, Chip 10, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

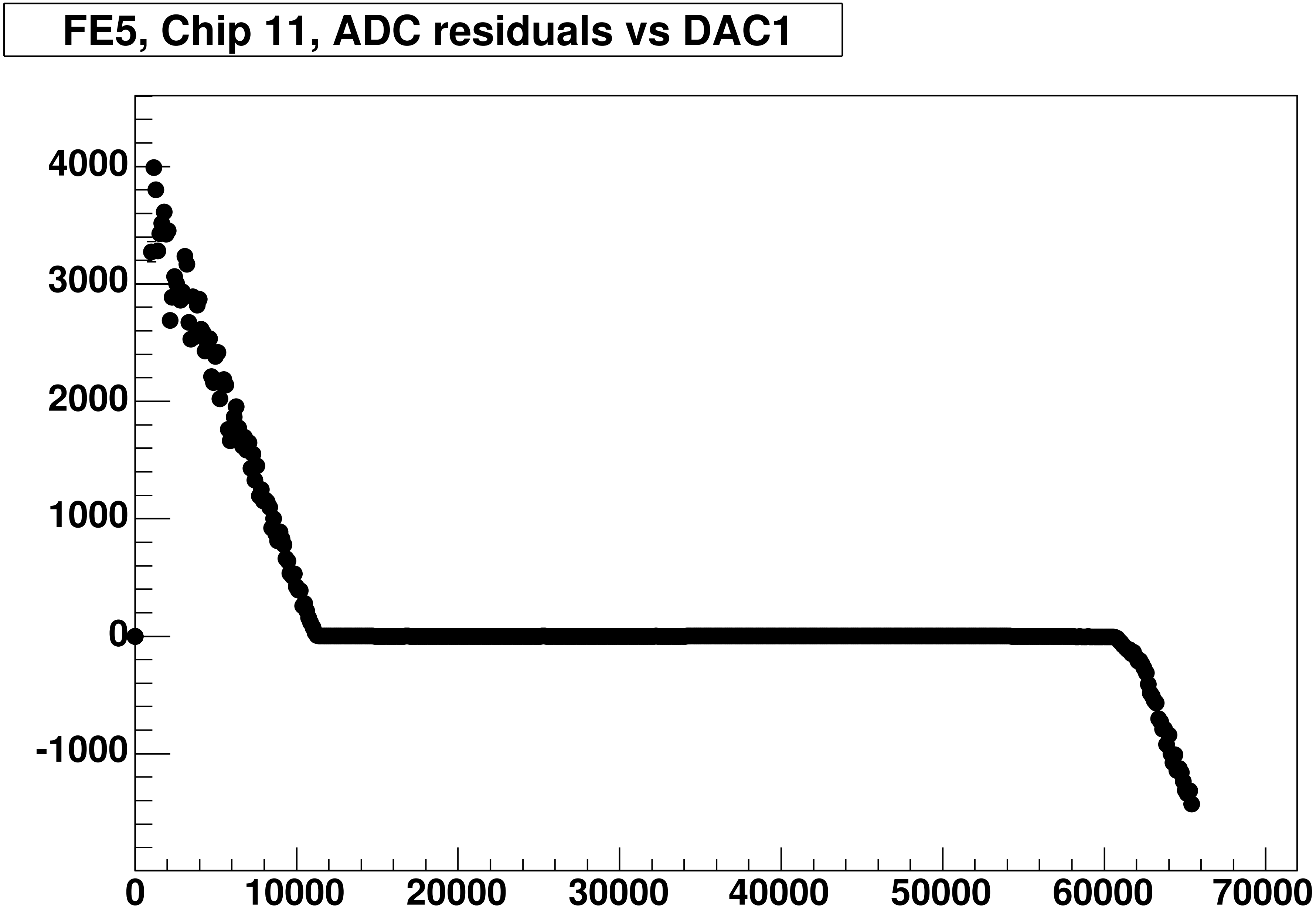

FE5, Chip 11, ADC mean vs DAC0
χ^2 / ndf 7811 / 502
p0 4021 ± 7.479
p1 -0.0002902 ± 0.0001955
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

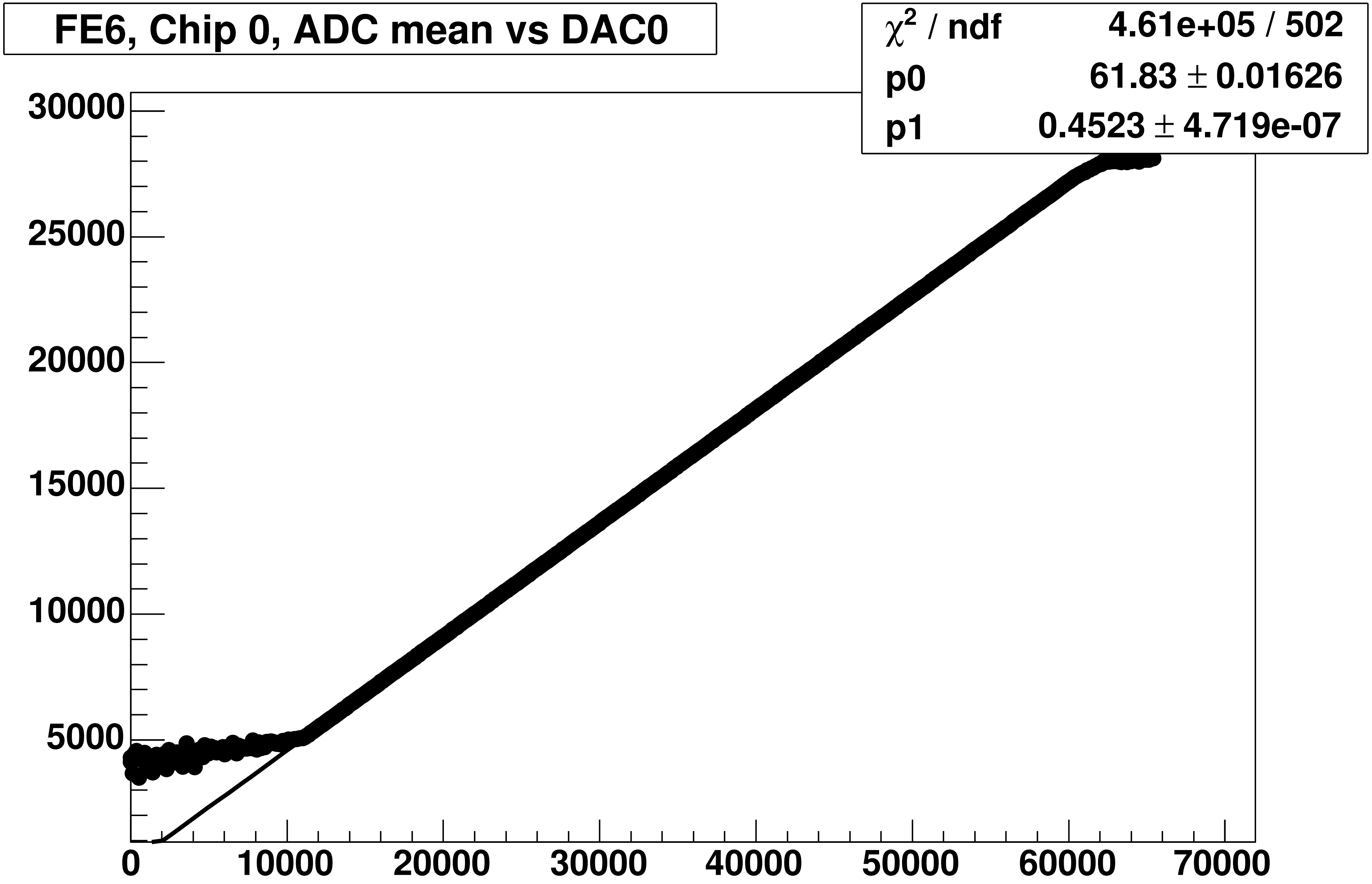

FE5, Chip 11, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

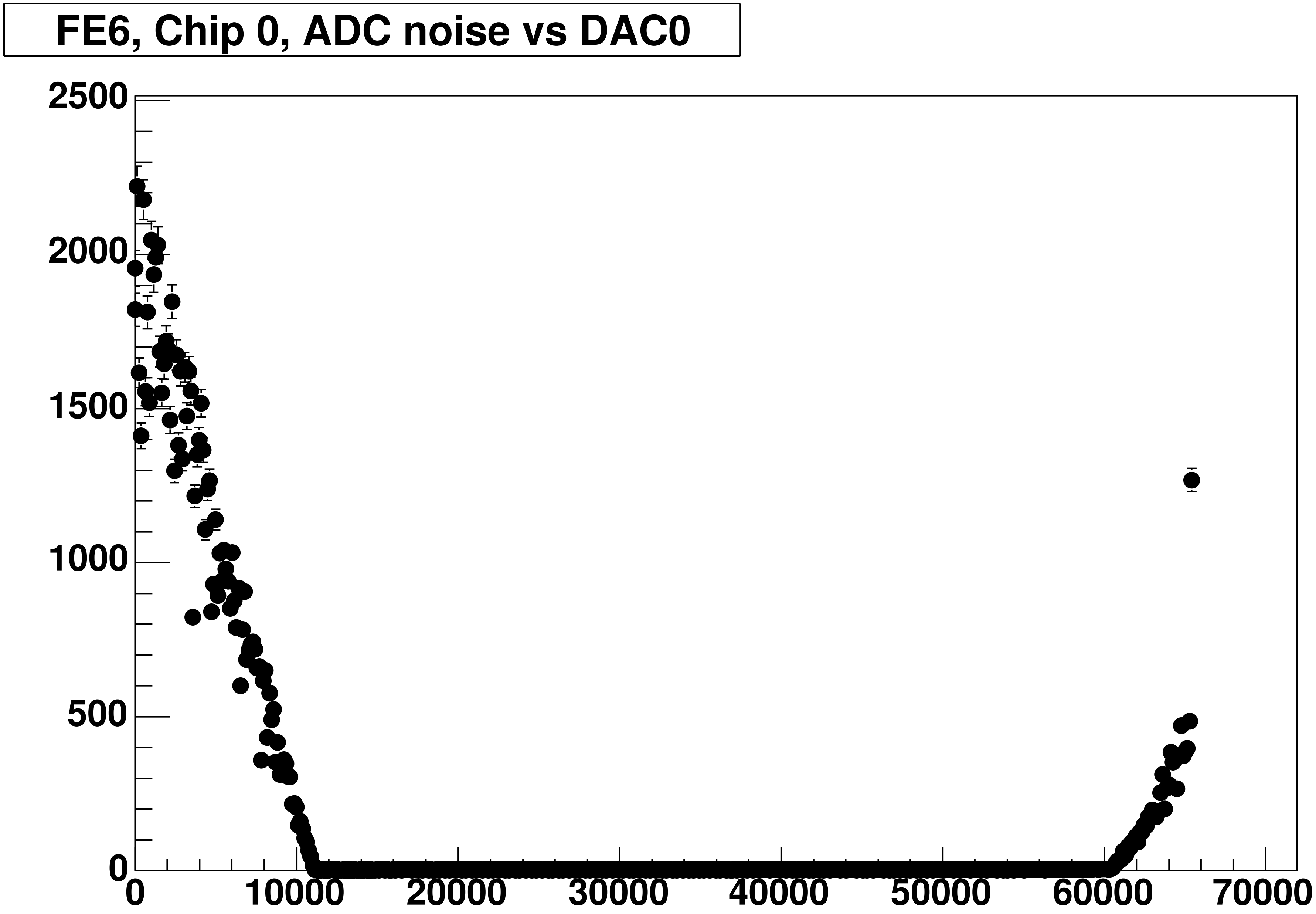

FE5, Chip 11, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

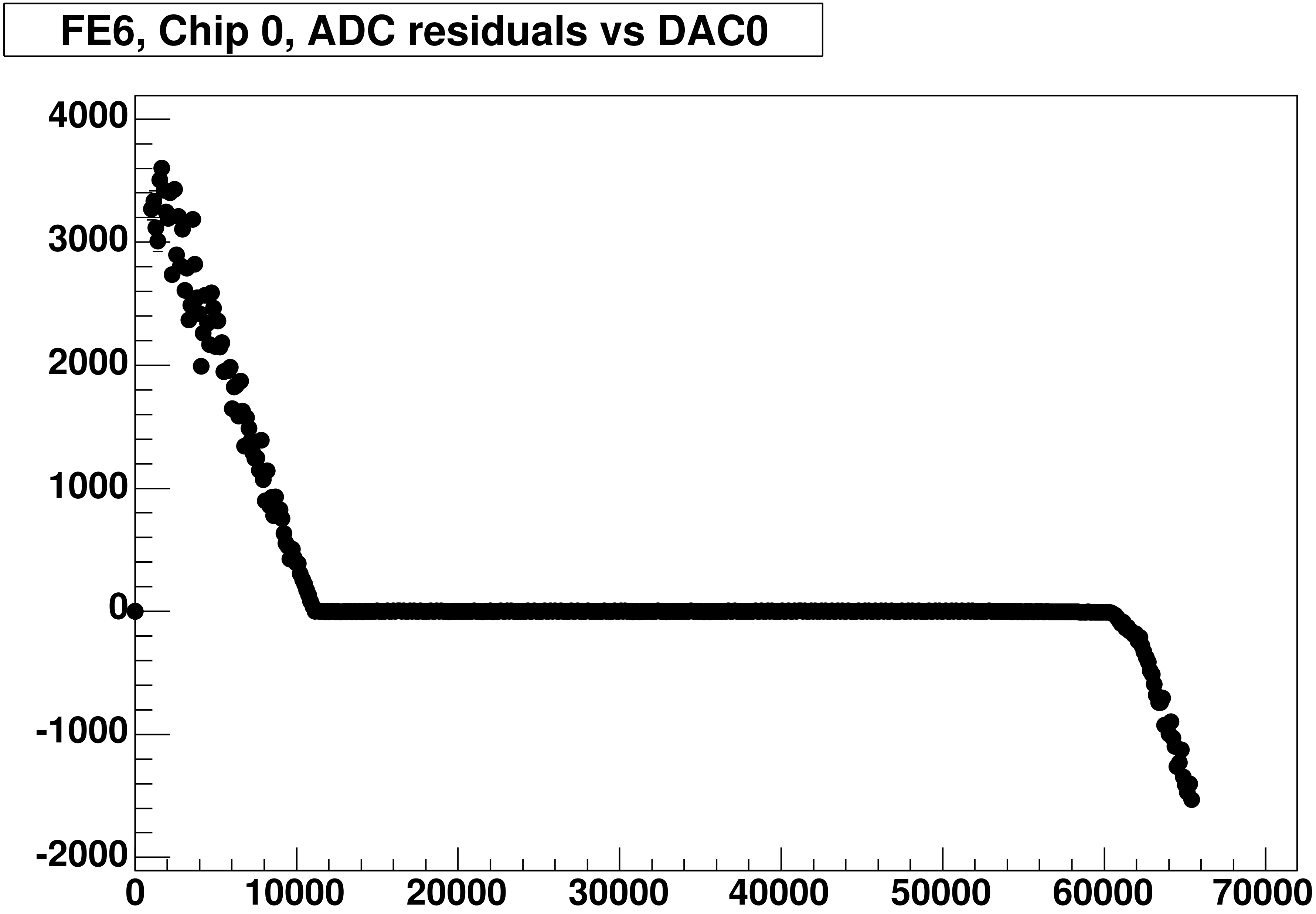

FE5, Chip 11, ADC mean vs DAC1
χ^2 / ndf 5.47e+05 / 502
p0 -63.52 ± 0.01108
p1 0.4536 ± 3.075e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

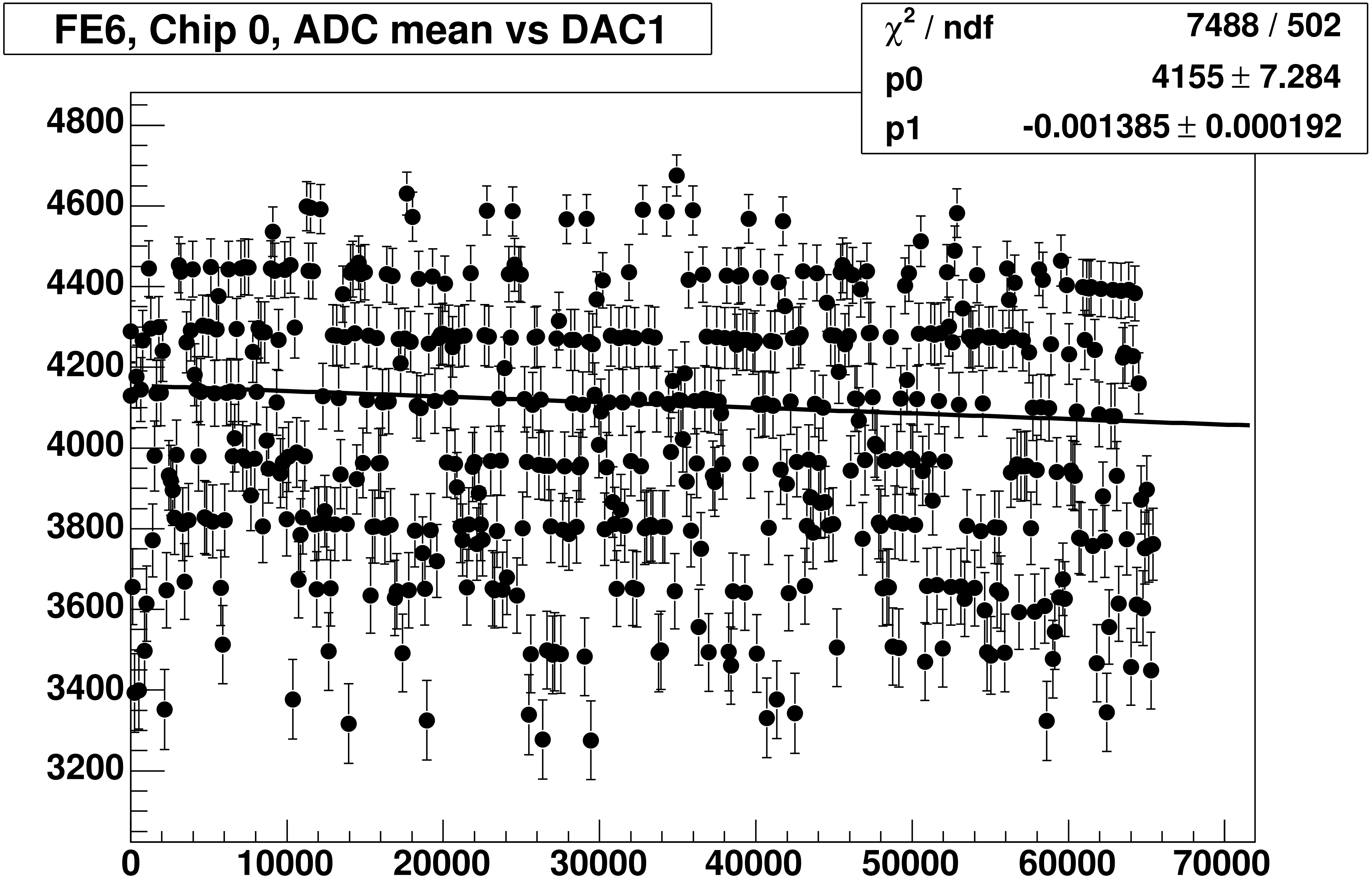

FE5, Chip 11, ADC noise vs DAC1
0
500
1000
1500
2000
2500
0
10000
20000
30000
40000
50000
60000
70000


FE5, Chip 11, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

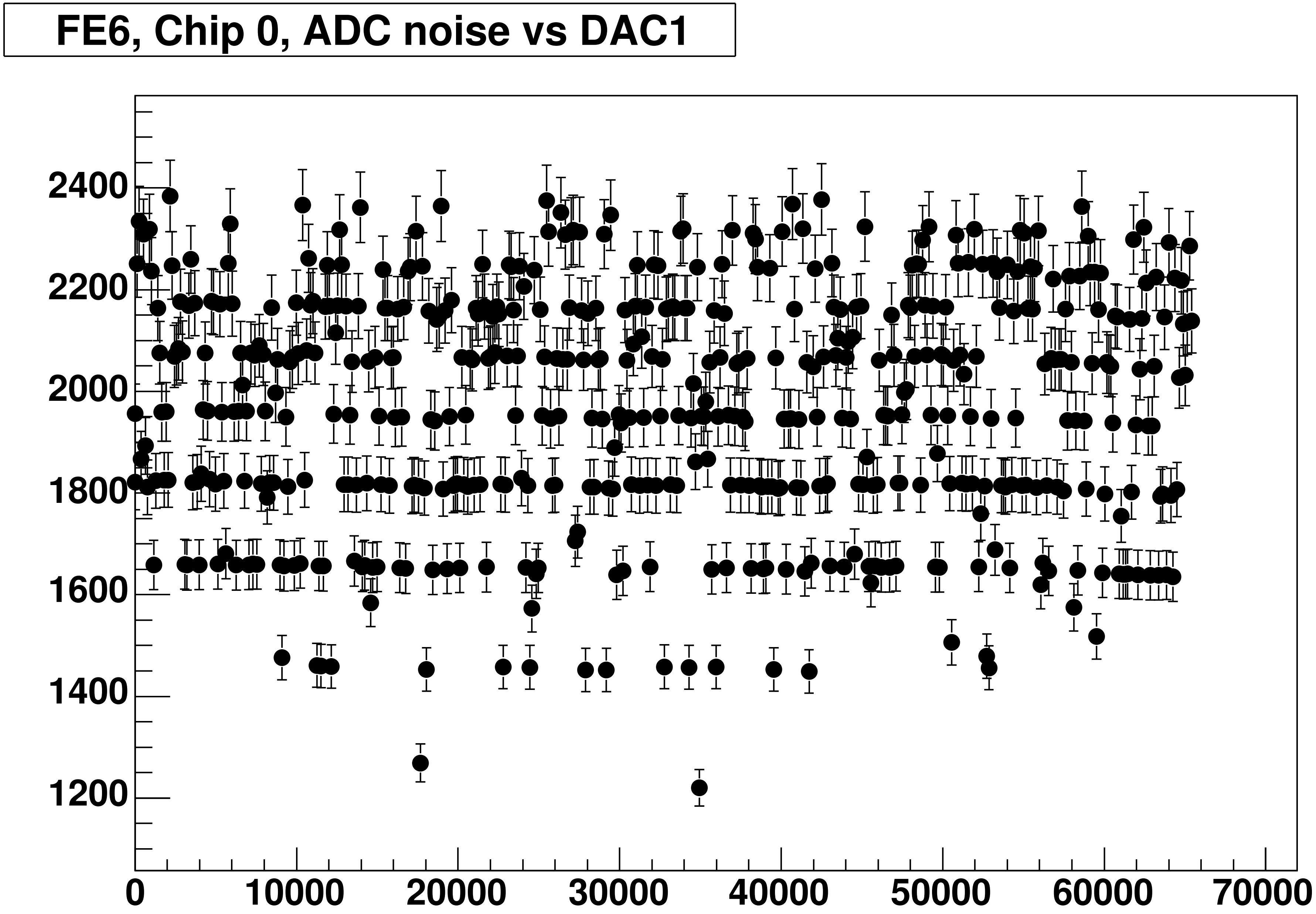

FE6, Chip 0, ADC mean vs DAC0
χ^2 / ndf 4.61e+05 / 502
p0 61.83 ± 0.01626
p1 0.4523 ± 4.719e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 0, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

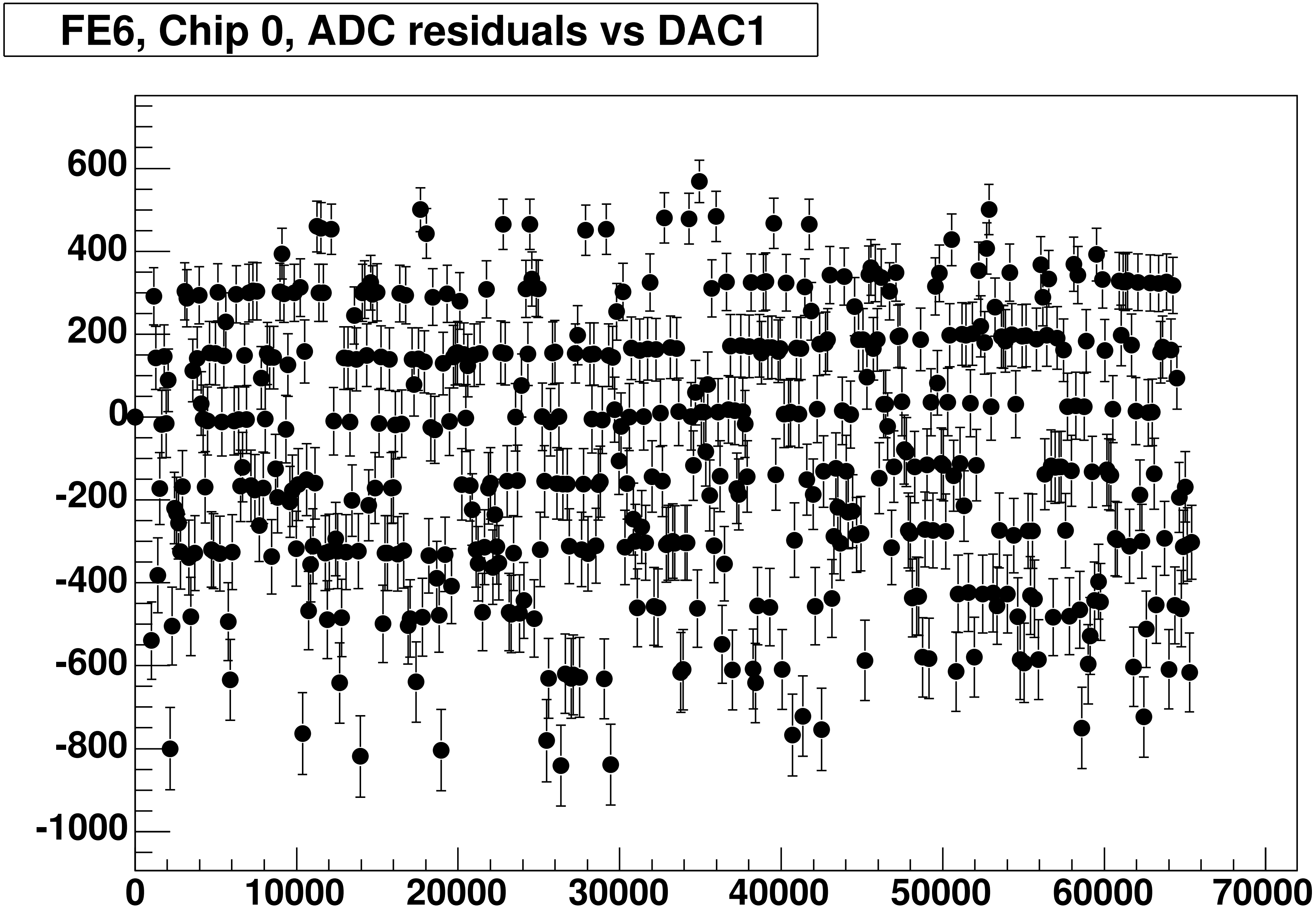

FE6, Chip 0, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

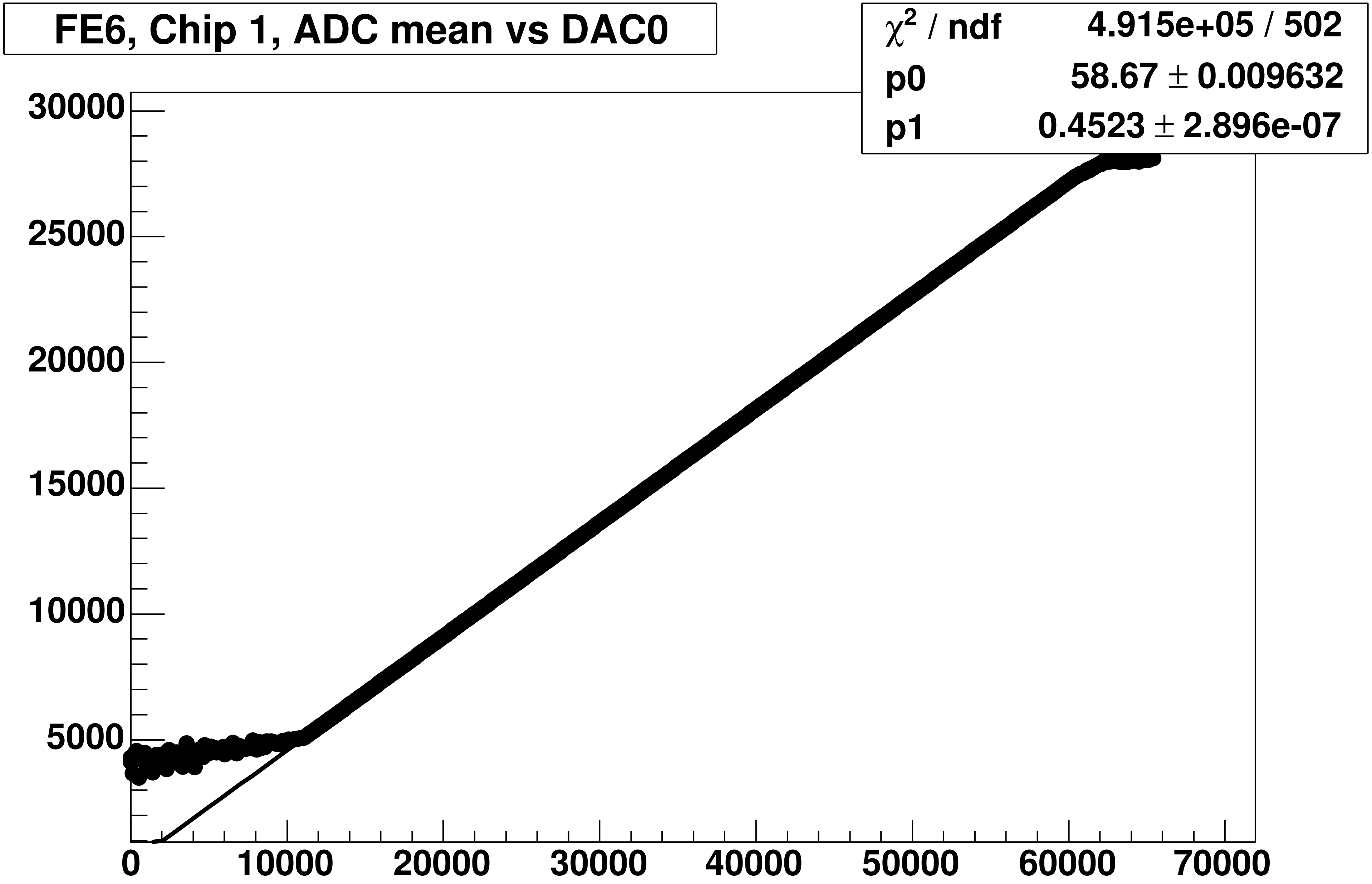


FE6, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7488 / 502
p0 4155 ± 7.284
p1 -0.001385 ± 0.000192
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

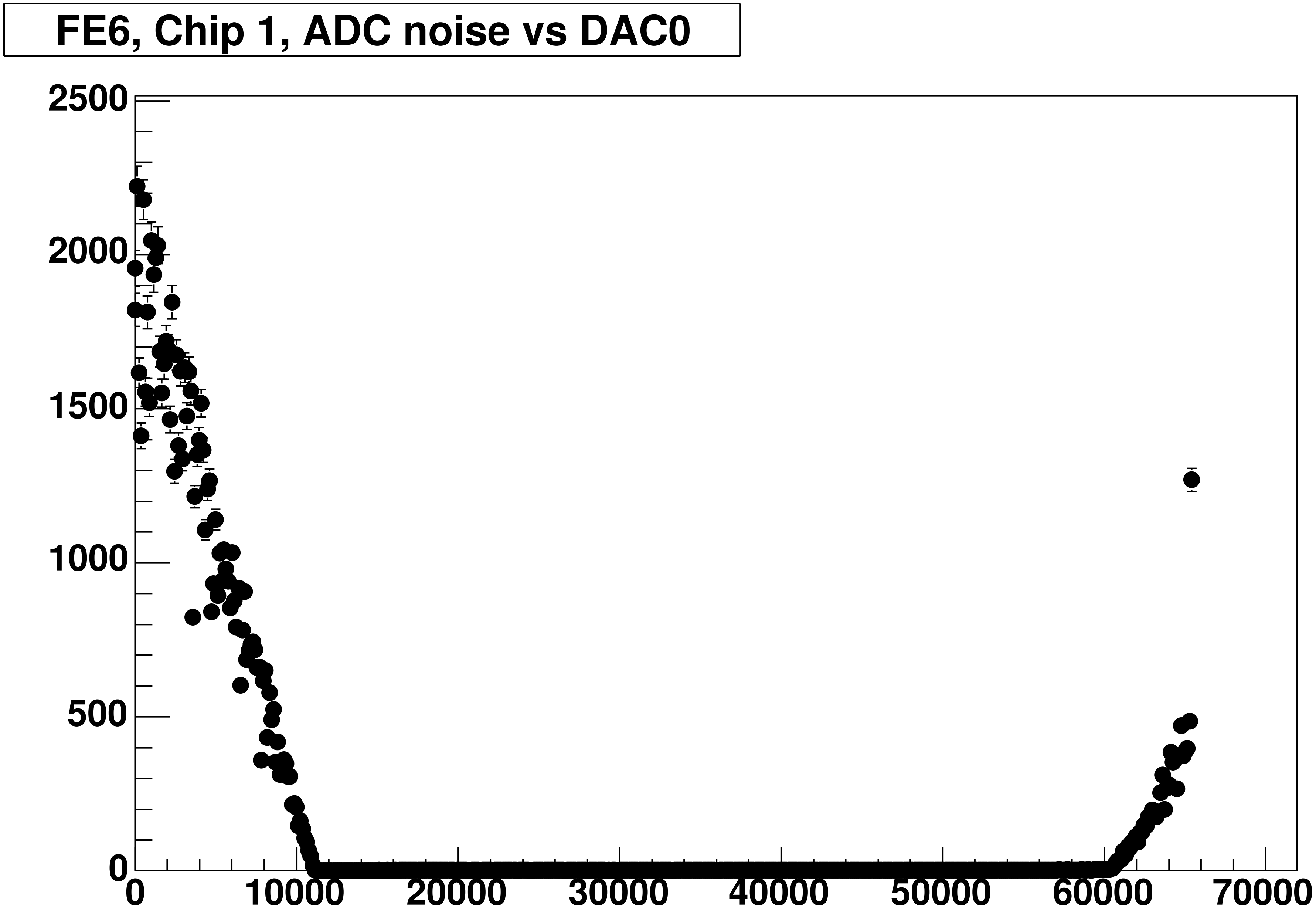


FE6, Chip 0, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

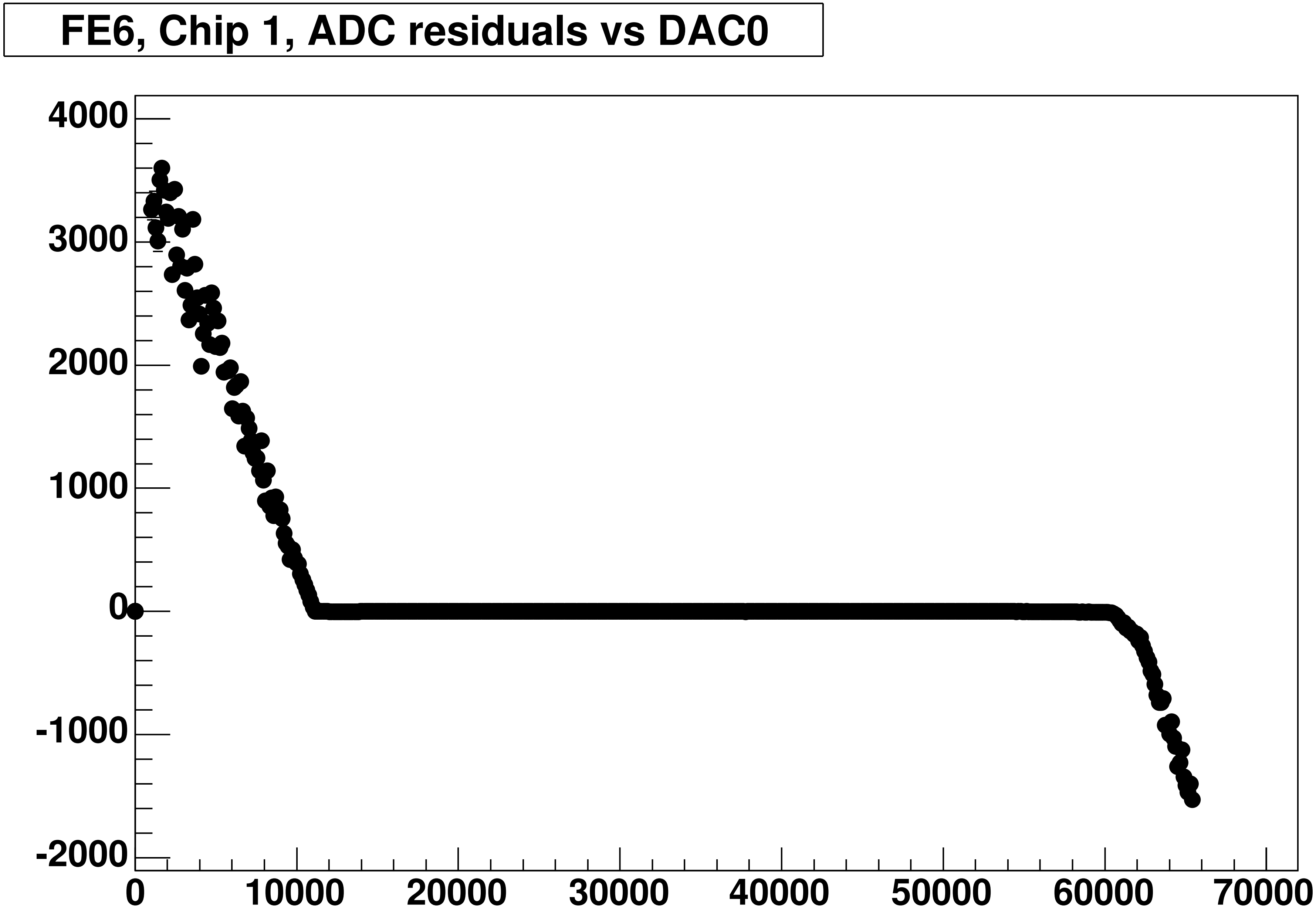

FE6, Chip 0, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



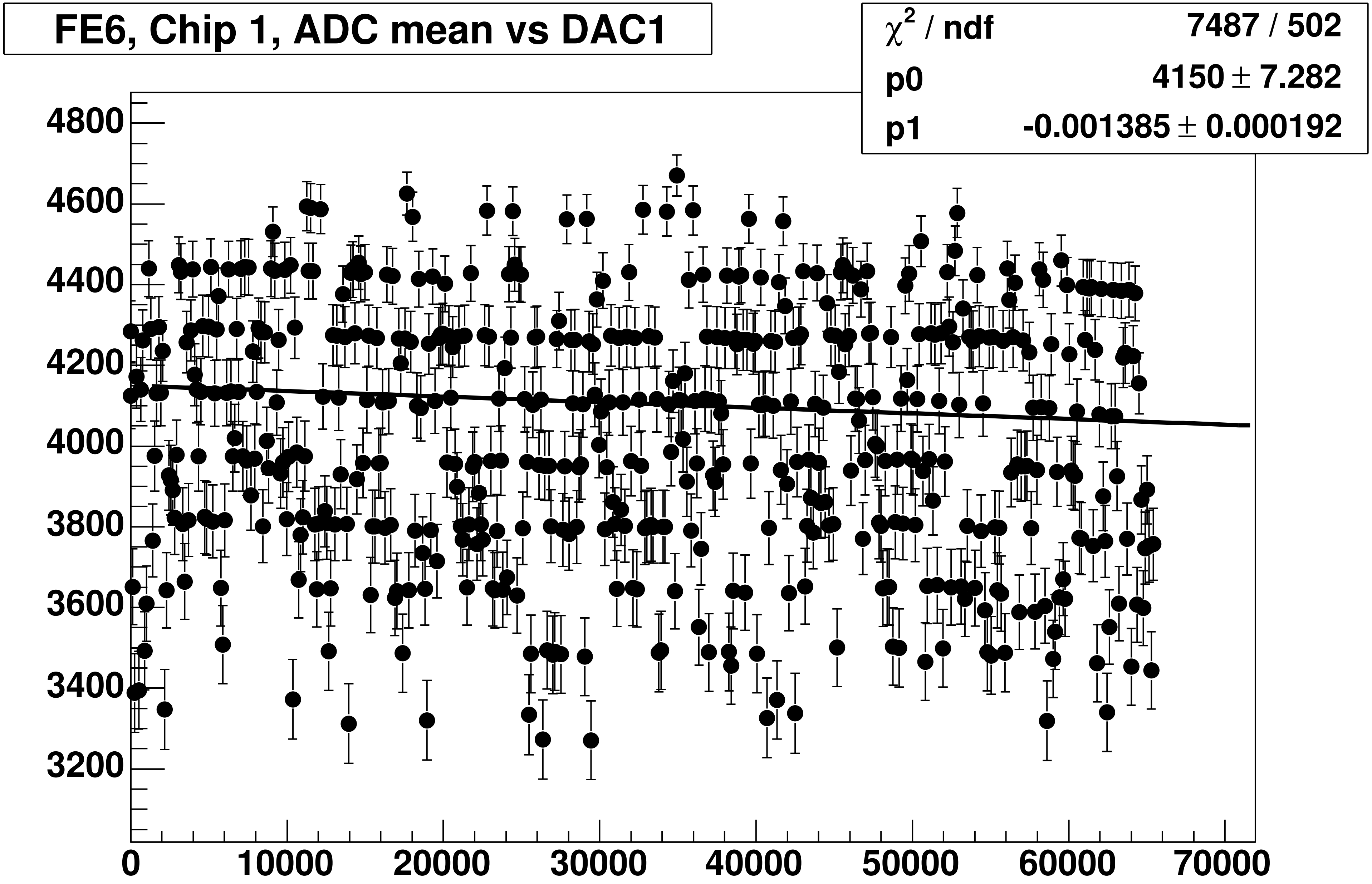
FE6, Chip 1, ADC mean vs DAC0
χ^2 / ndf 4.915e+05 / 502
p0 58.67 ± 0.009632
p1 0.4523 ± 2.896e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

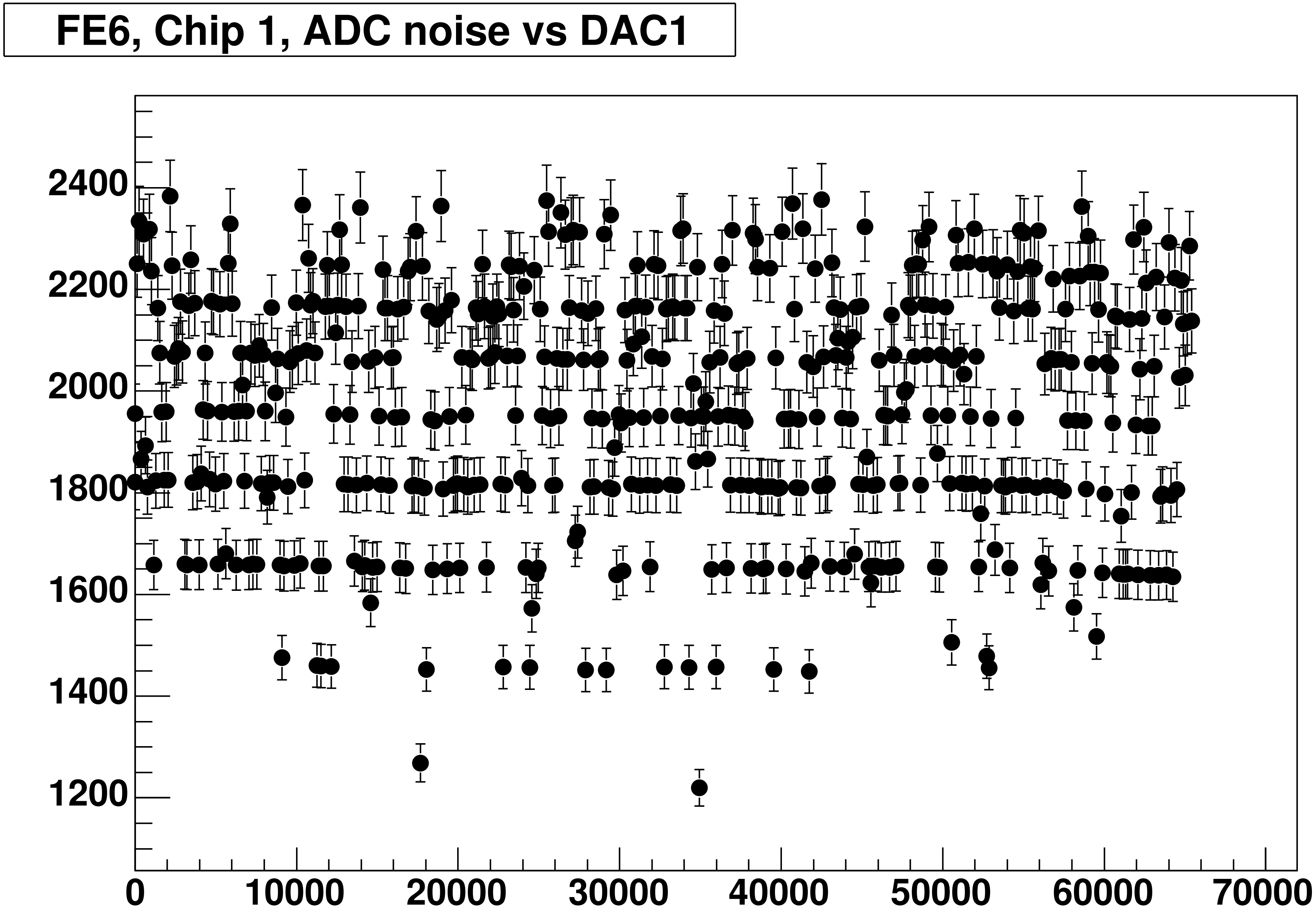


FE6, Chip 1, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

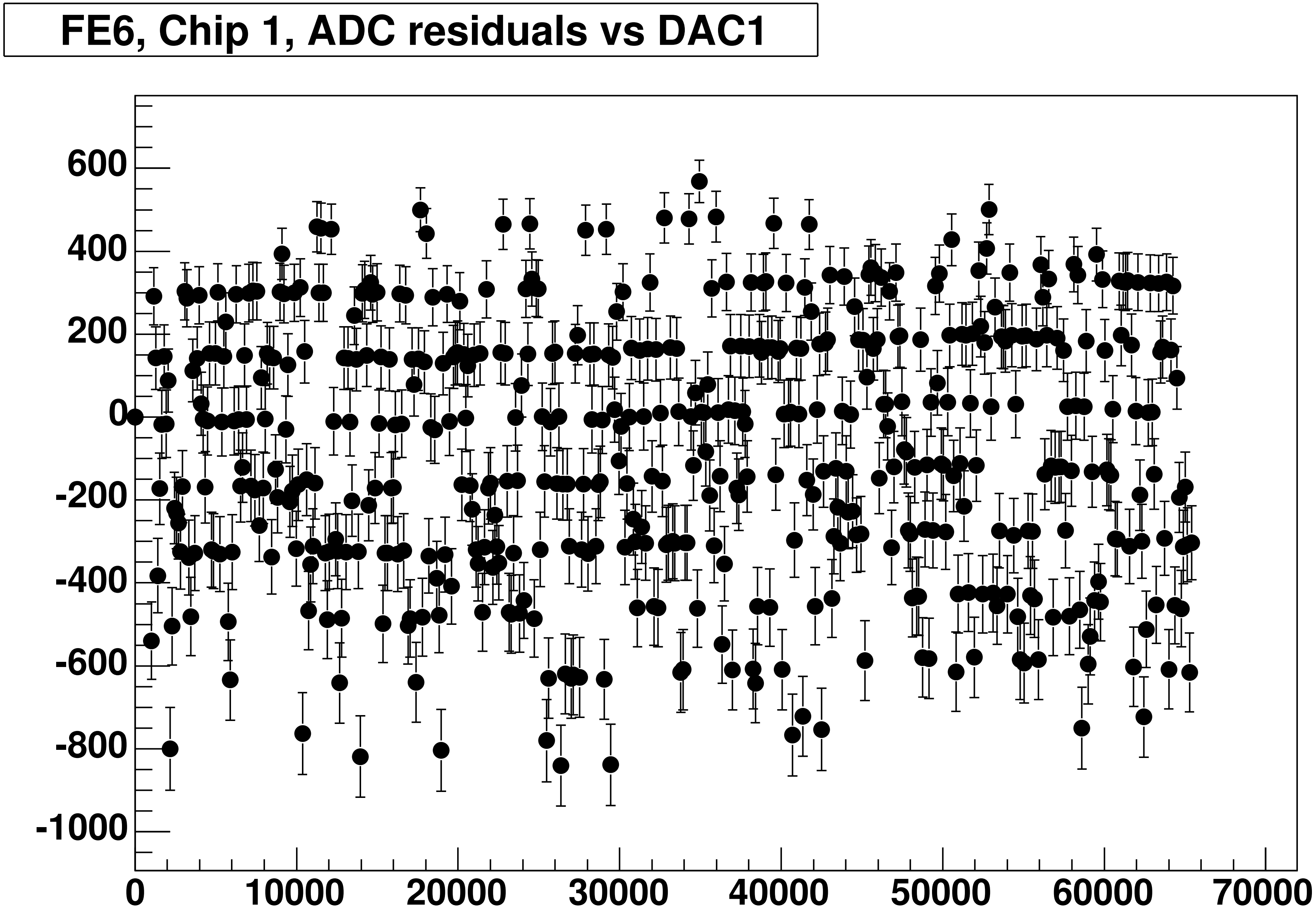


FE6, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

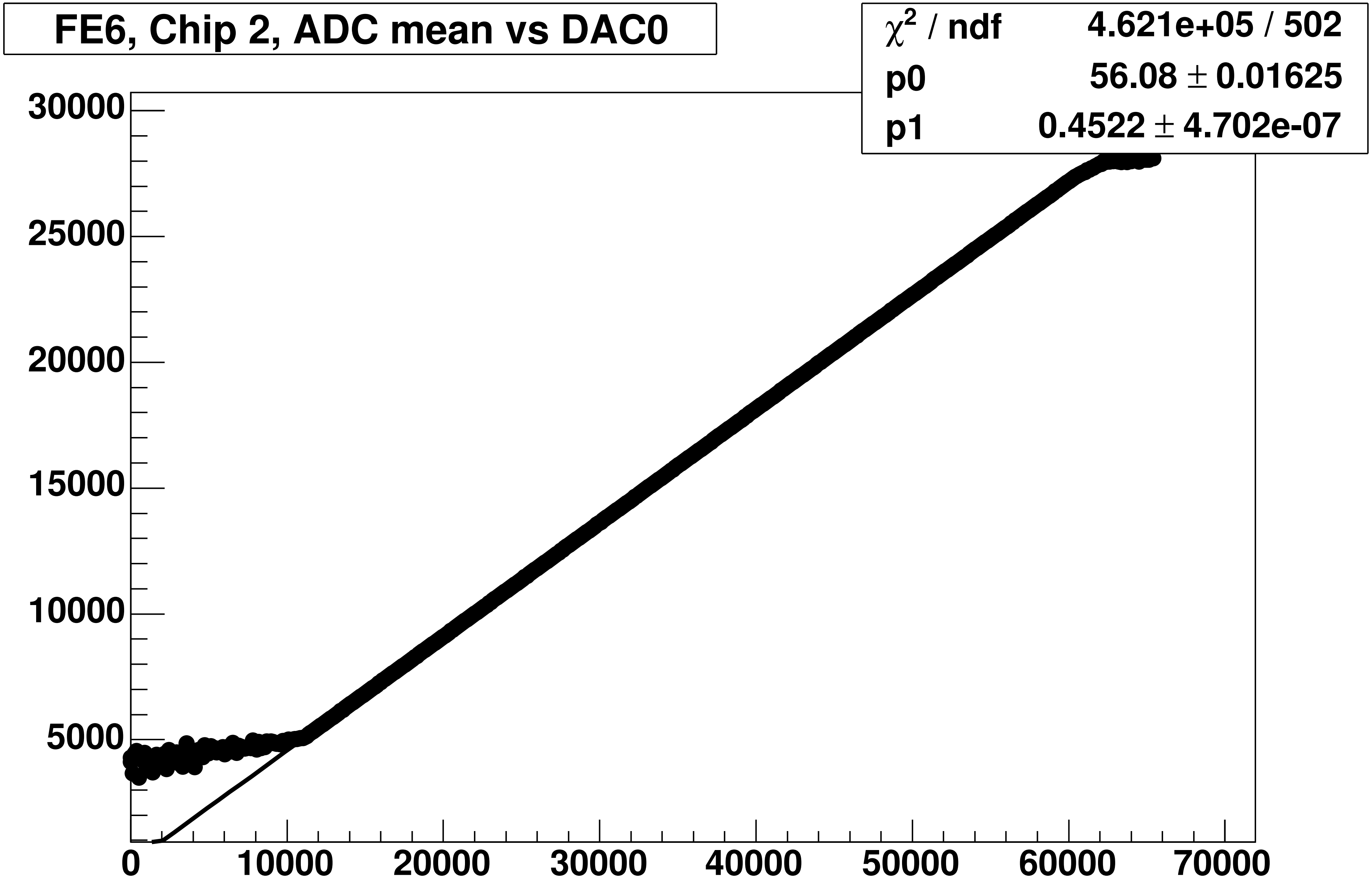

FE6, Chip 1, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4150 ± 7.282
p1 -0.001385 ± 0.000192
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

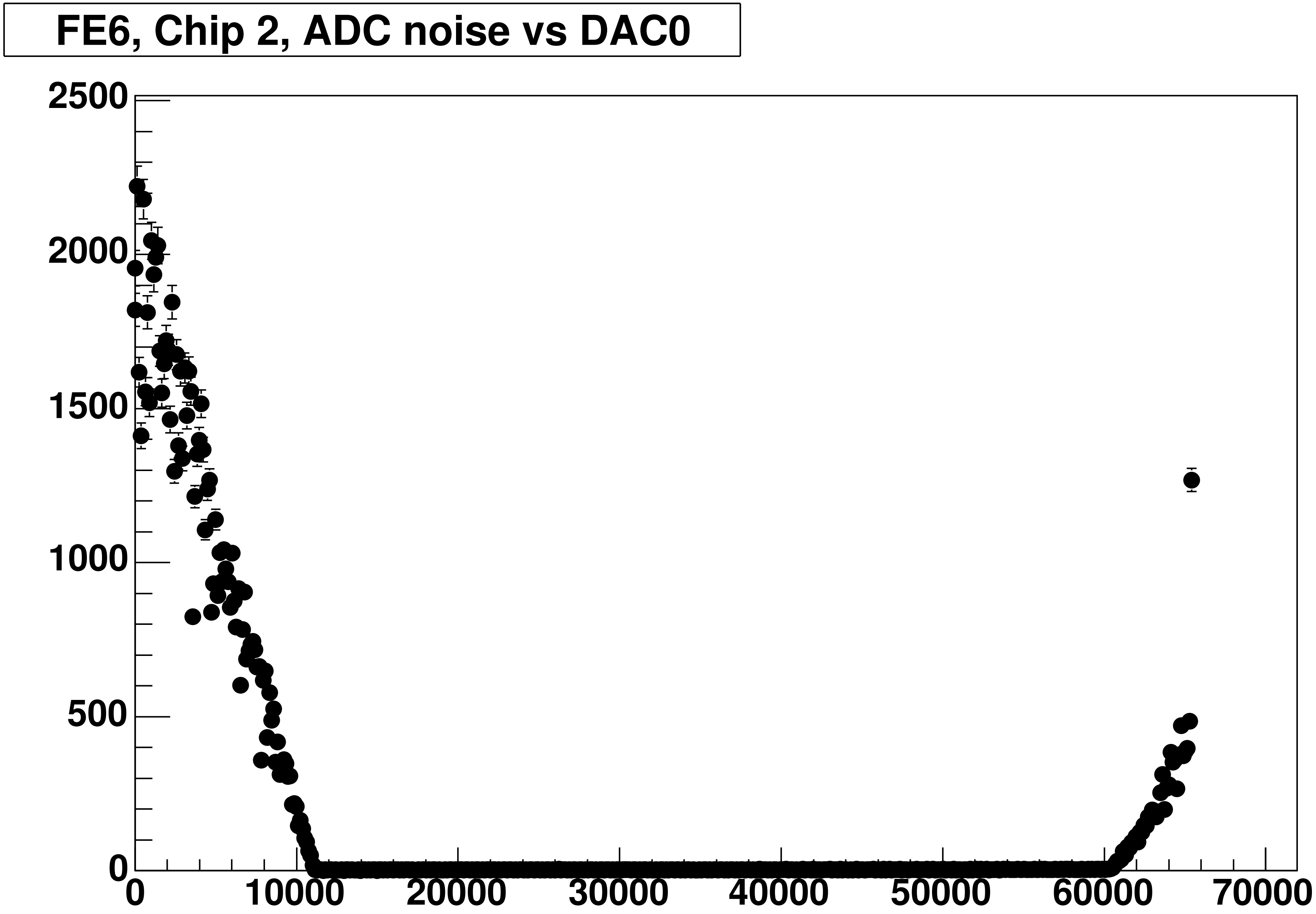


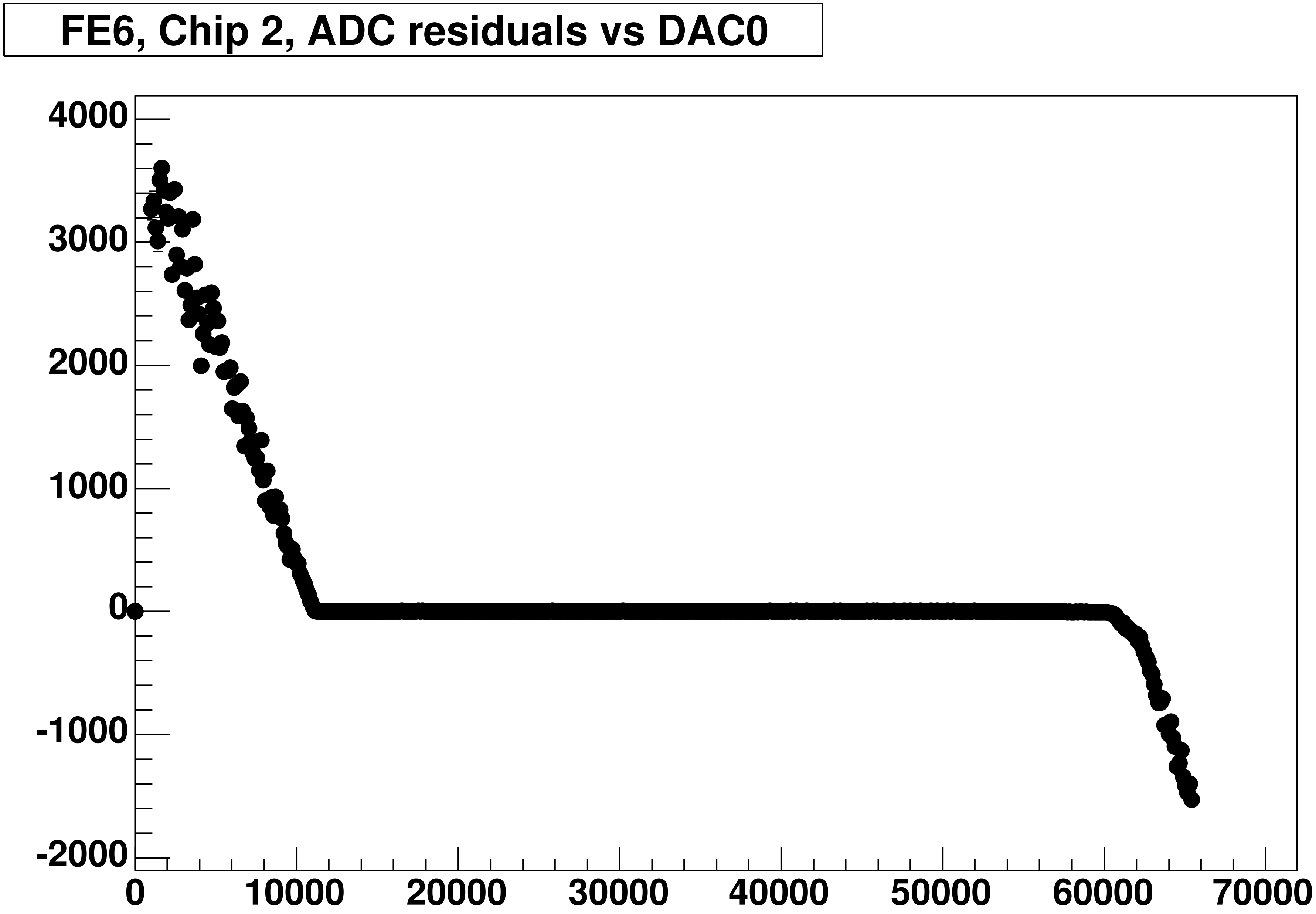
FE6, Chip 1, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

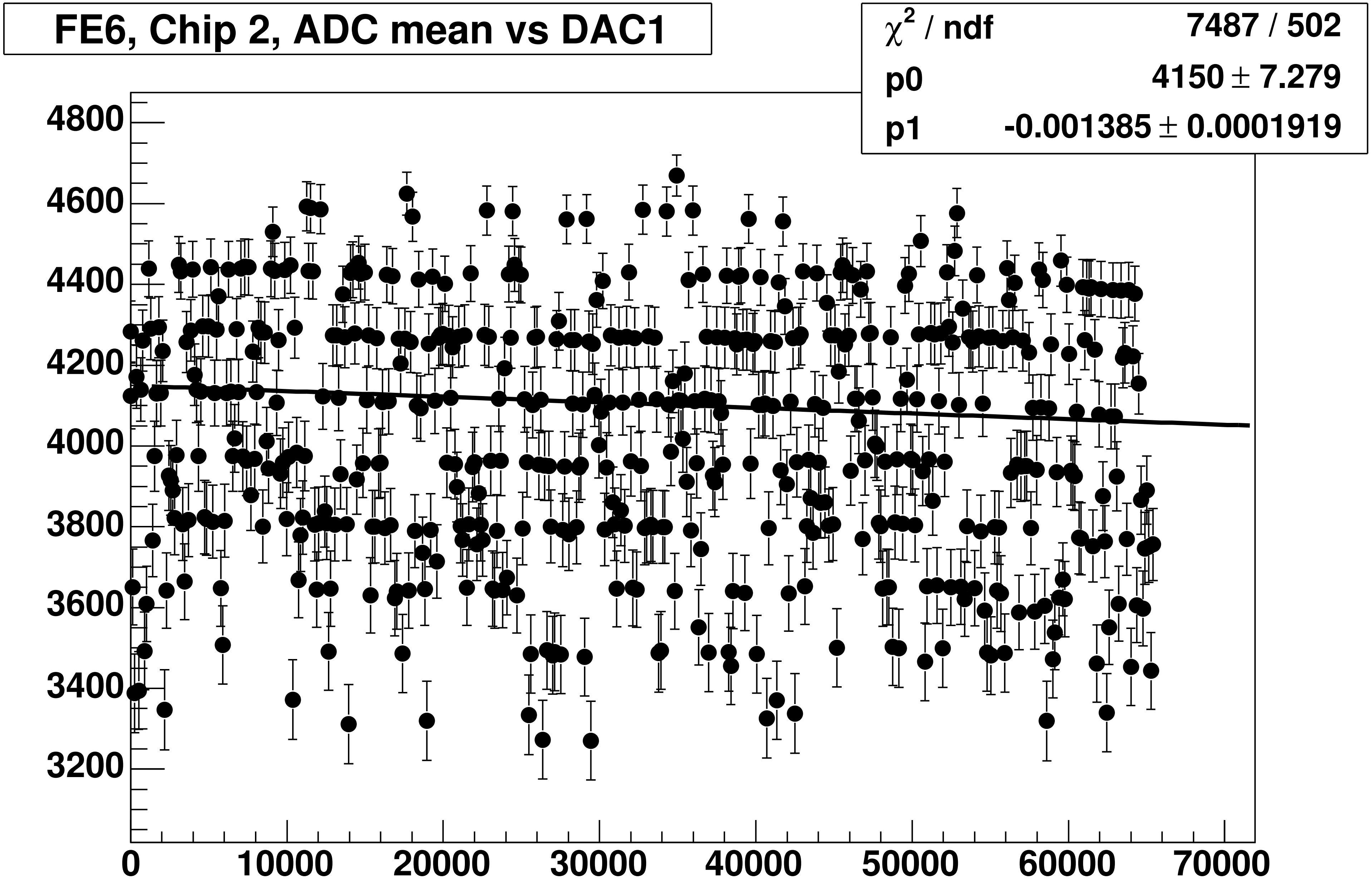


FE6, Chip 1, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

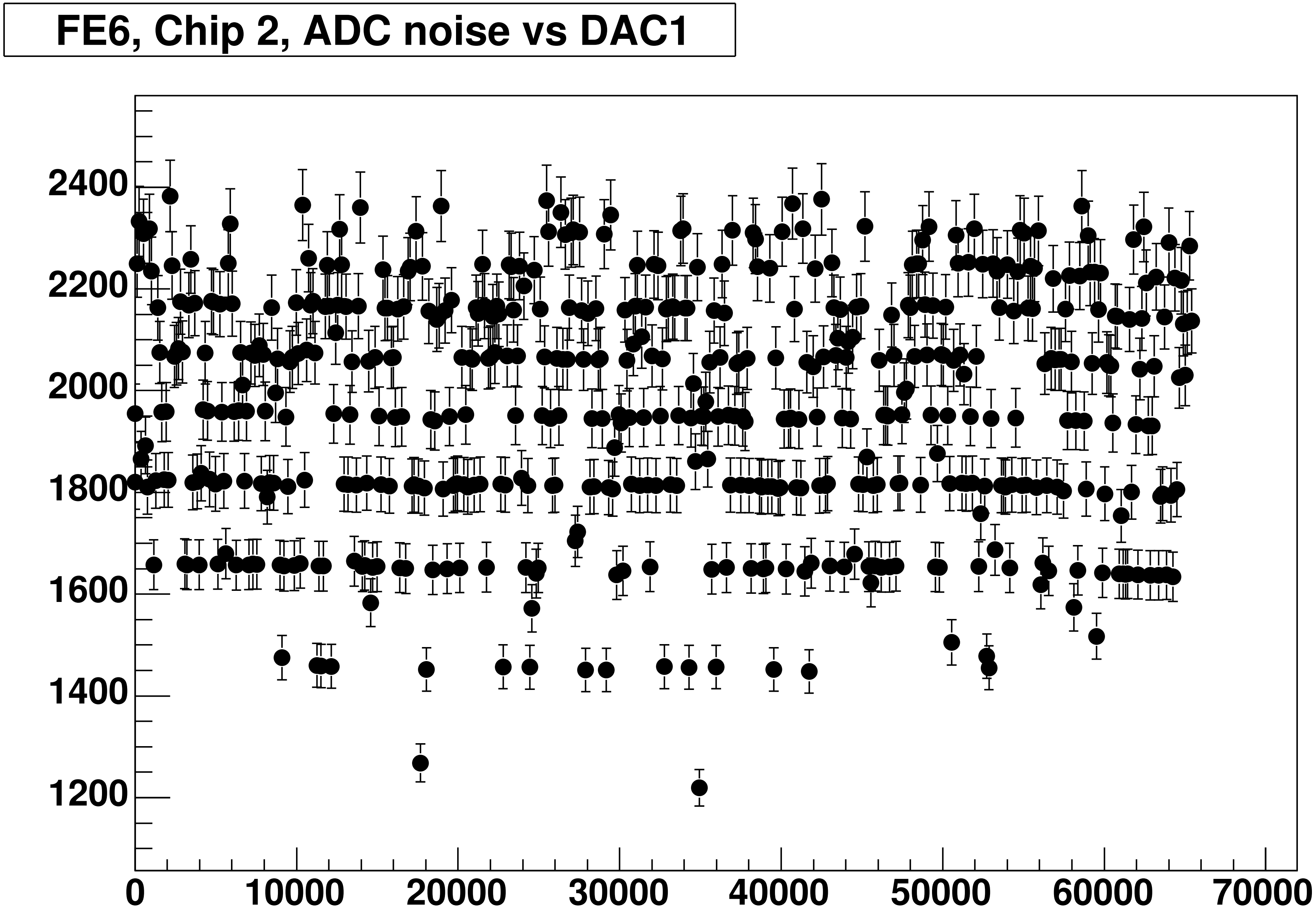

FE6, Chip 2, ADC mean vs DAC0
χ^2 / ndf 4.621e+05 / 502
p0 56.08 ± 0.01625
p1 0.4522 ± 4.702e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 2, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

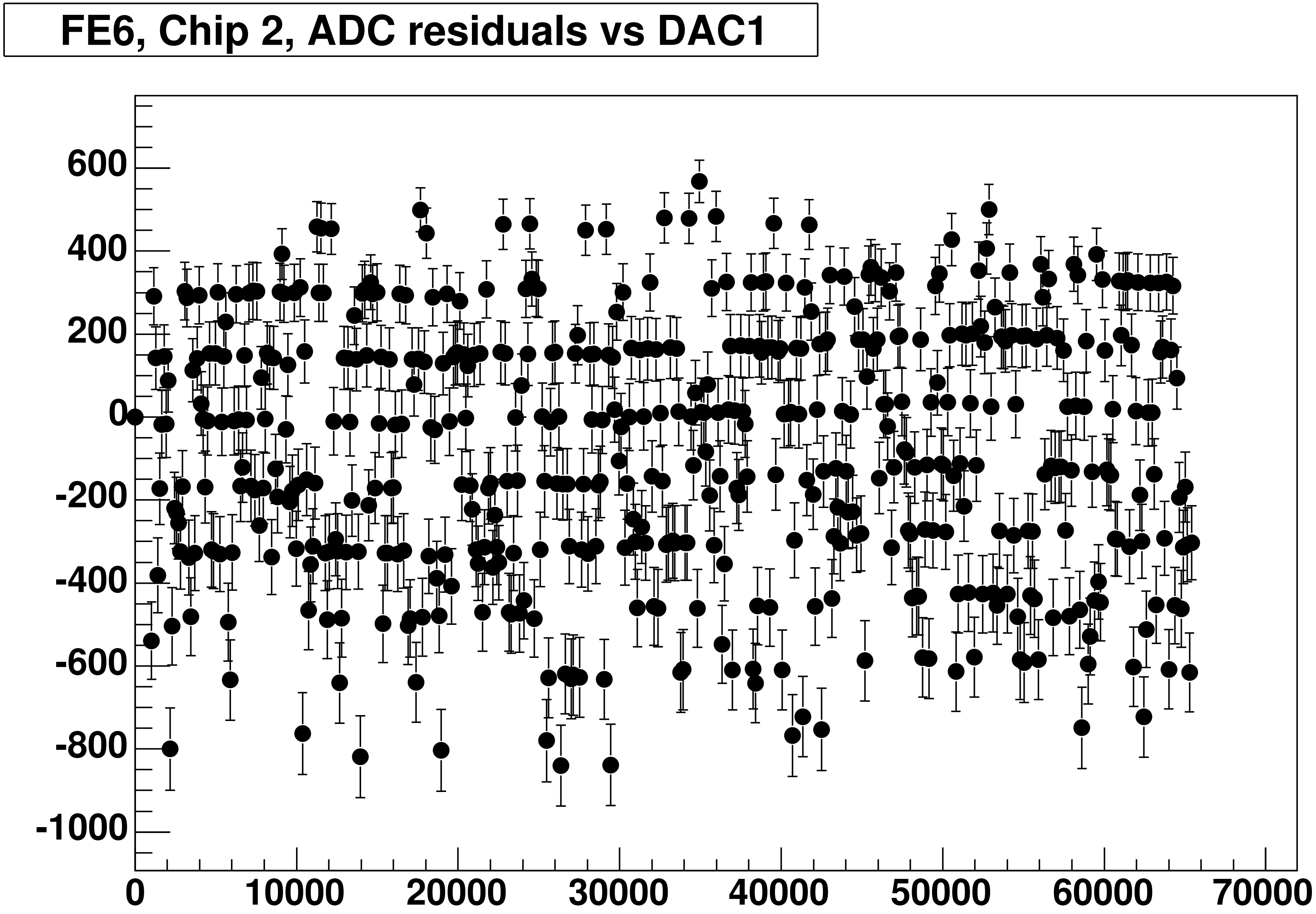

FE6, Chip 2, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

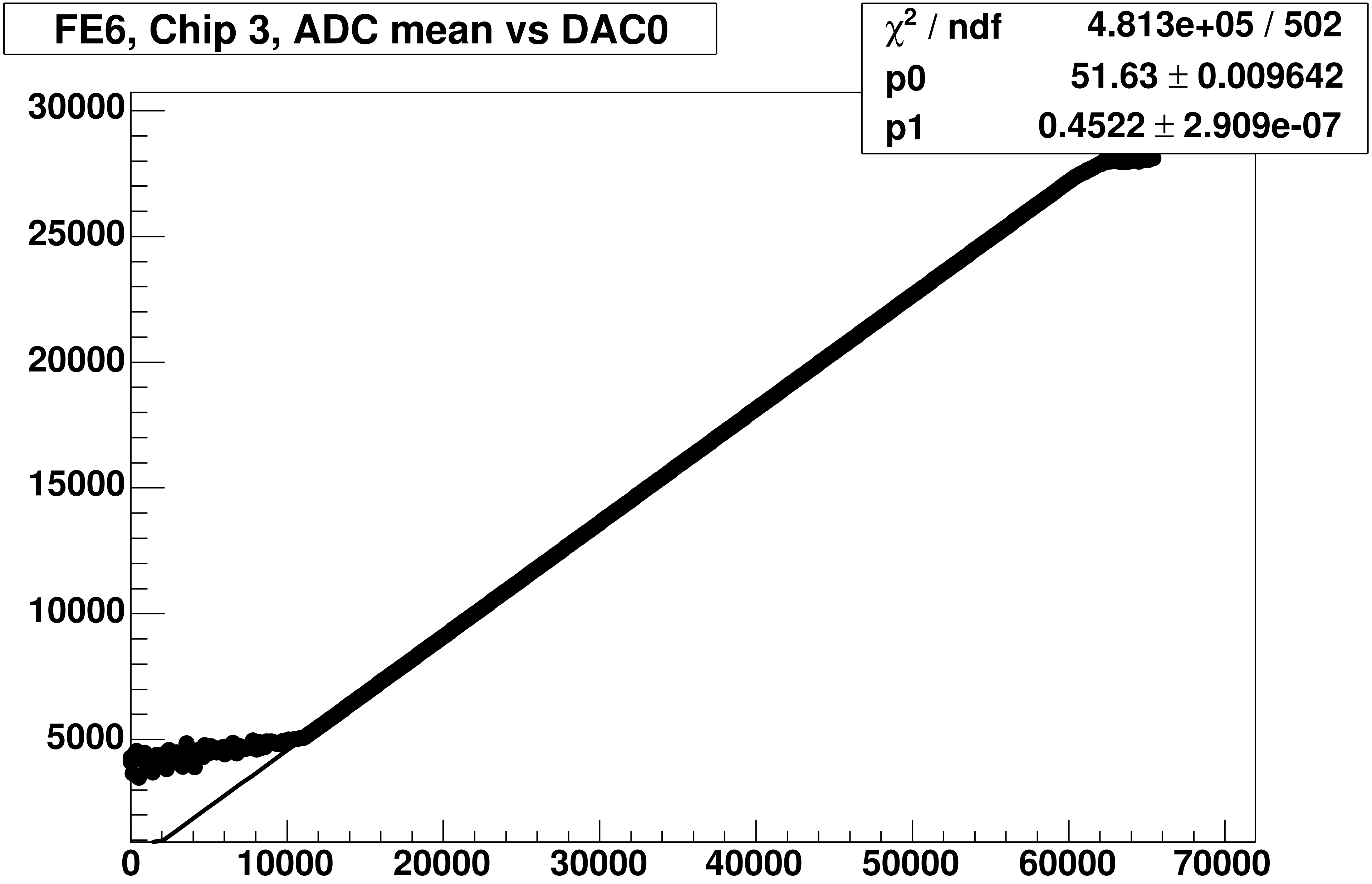


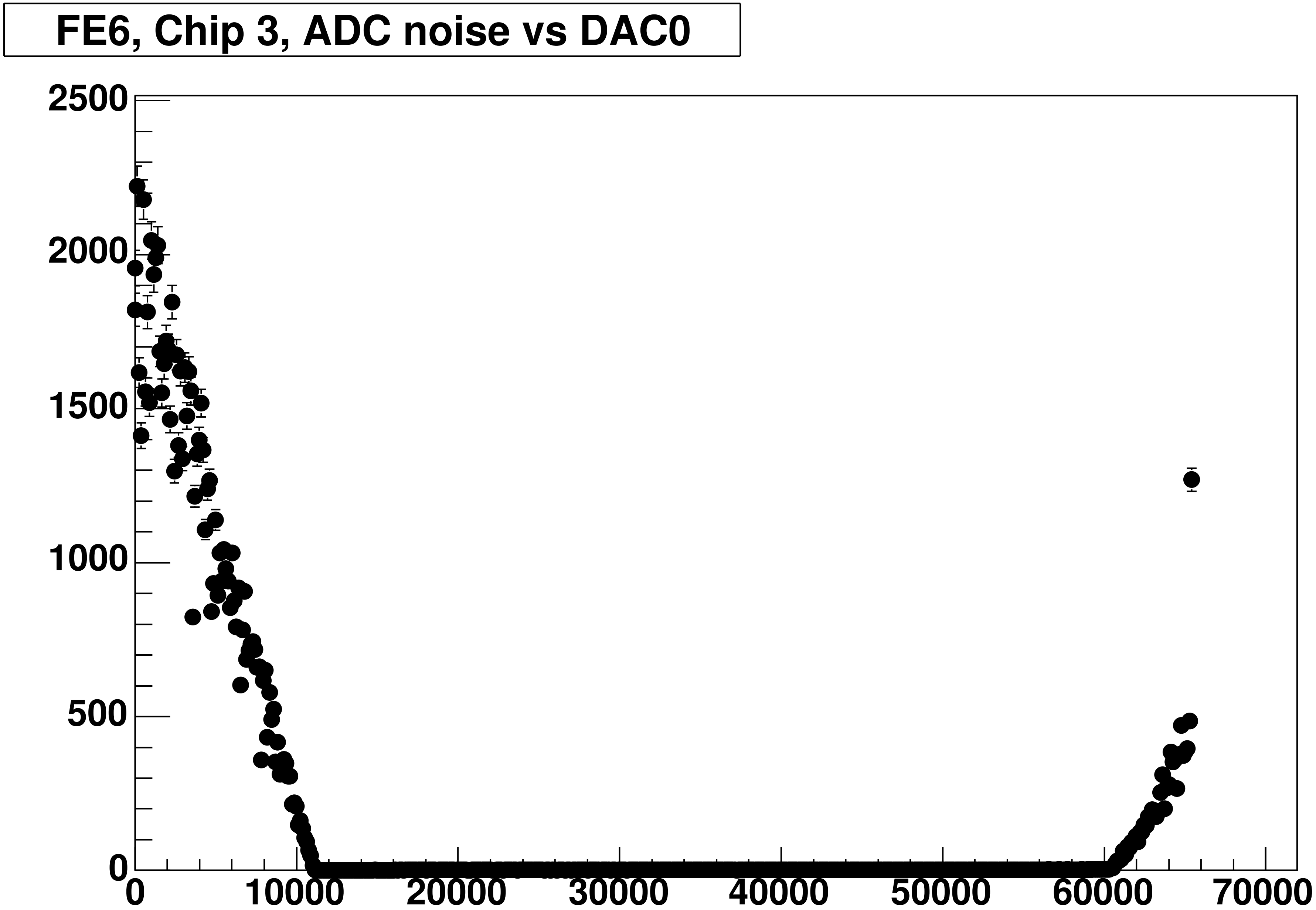
FE6, Chip 2, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4150 ± 7.279
p1 -0.001385 ± 0.0001919
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

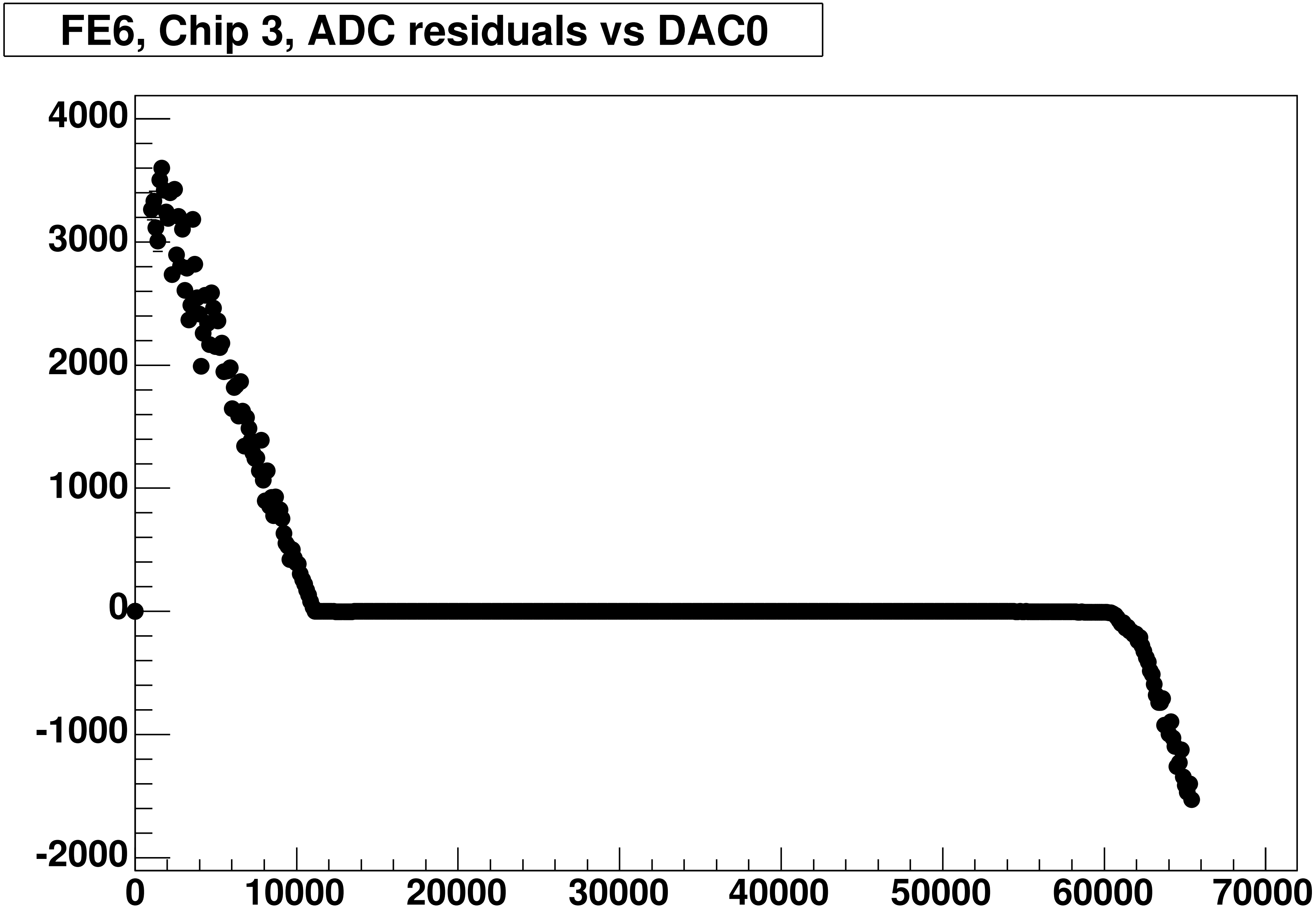


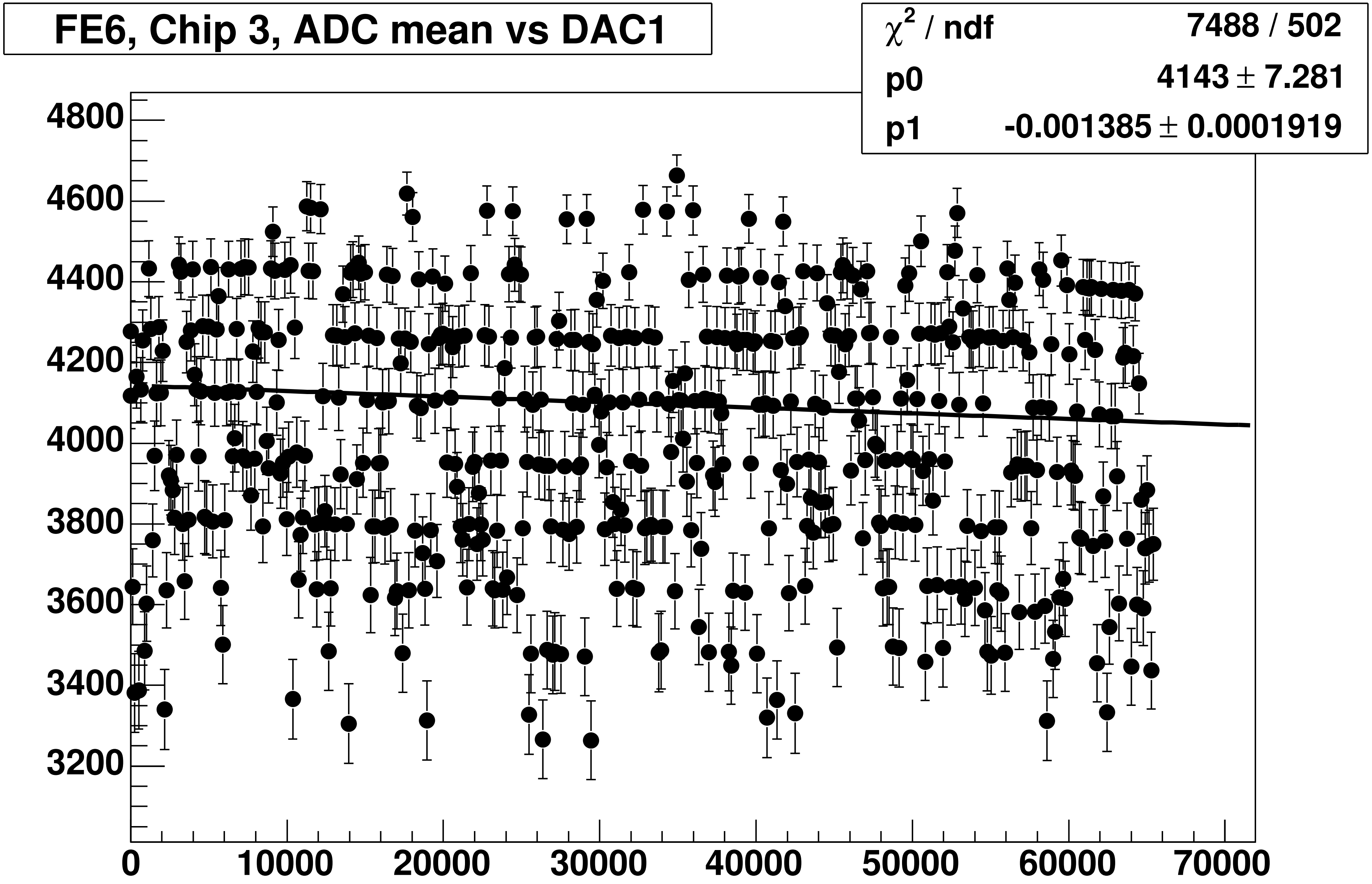
FE6, Chip 2, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

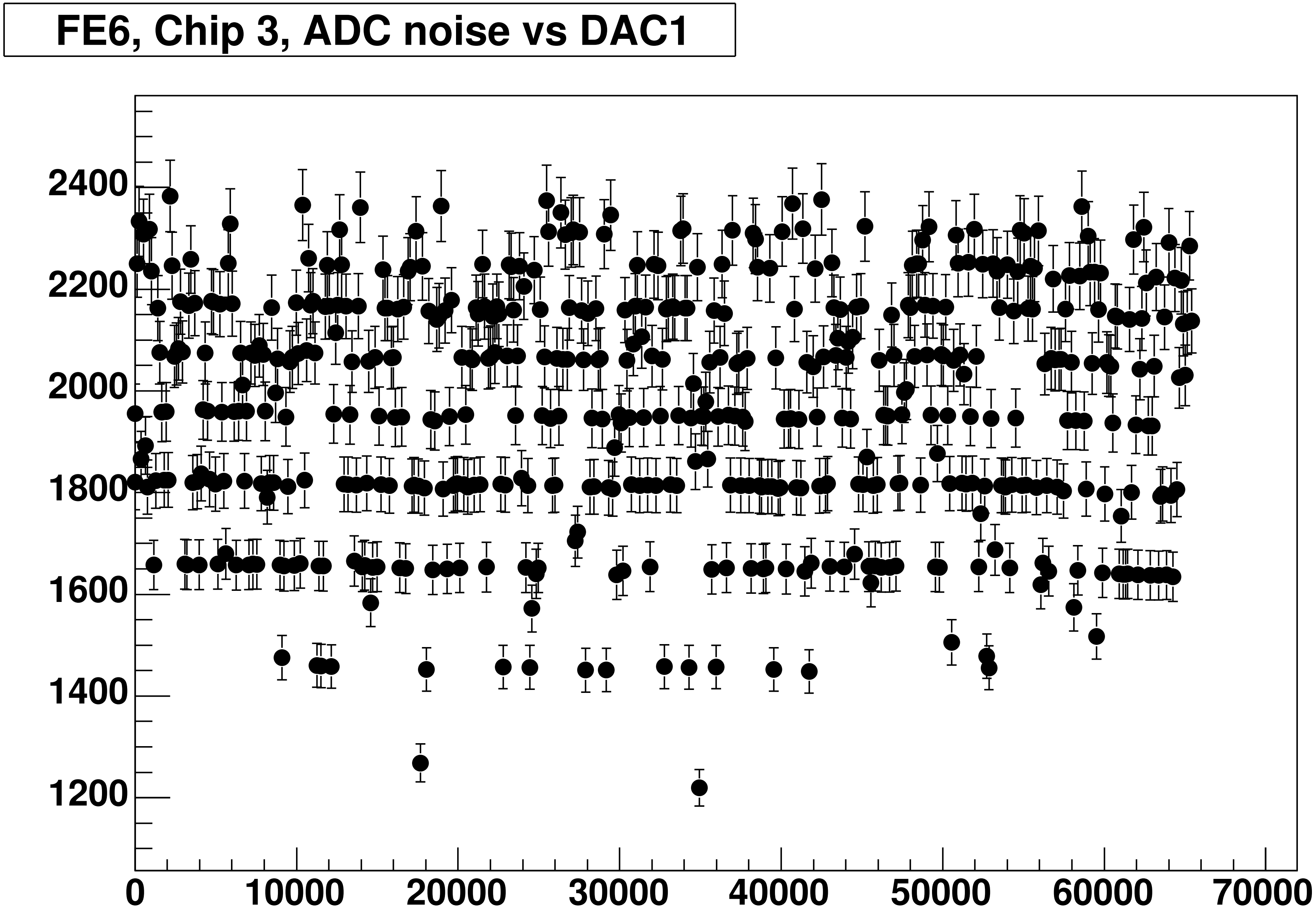

FE6, Chip 2, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

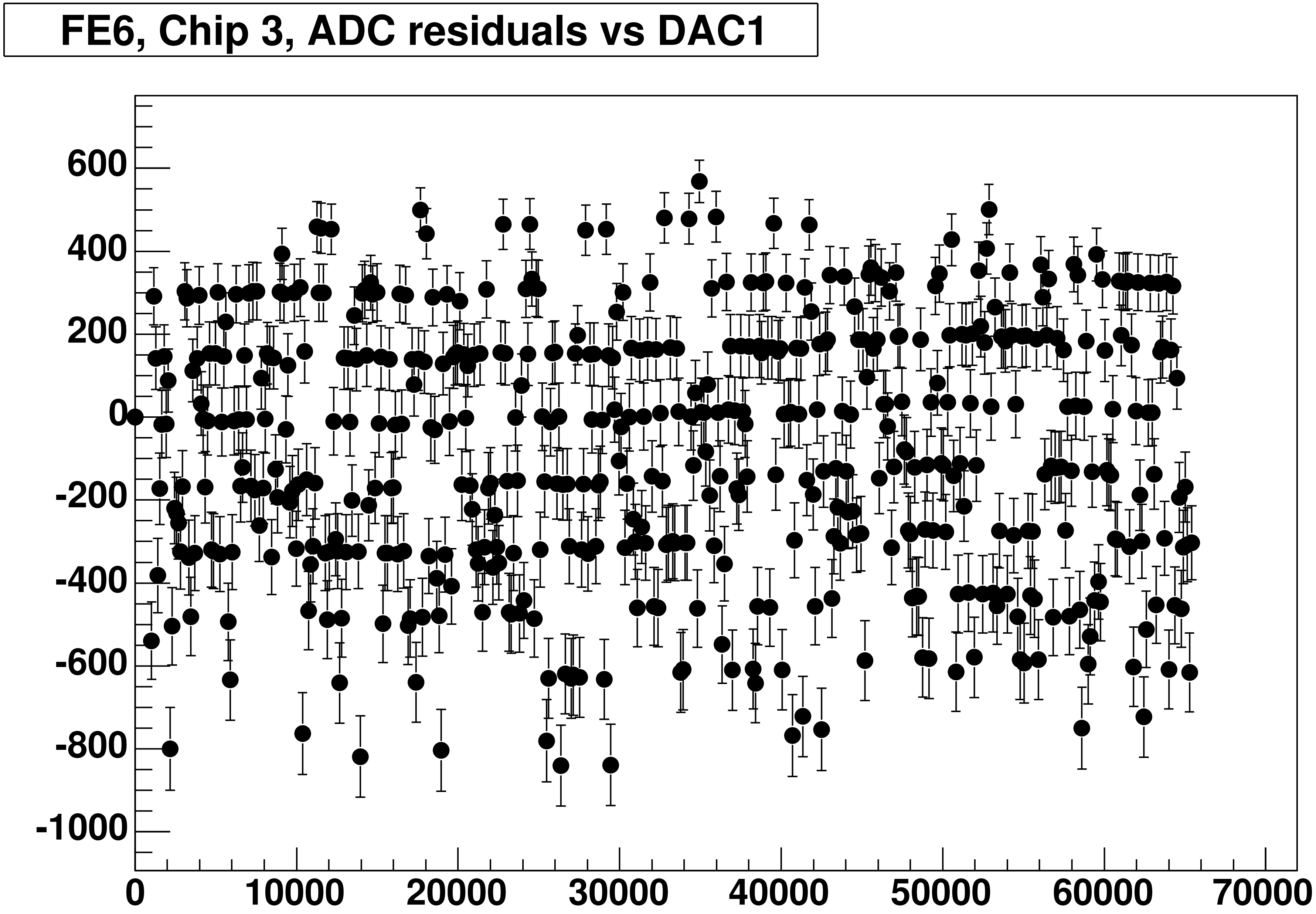

FE6, Chip 3, ADC mean vs DAC0
χ^2 / ndf 4.813e+05 / 502
p0 51.63 ± 0.009642
p1 0.4522 ± 2.909e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

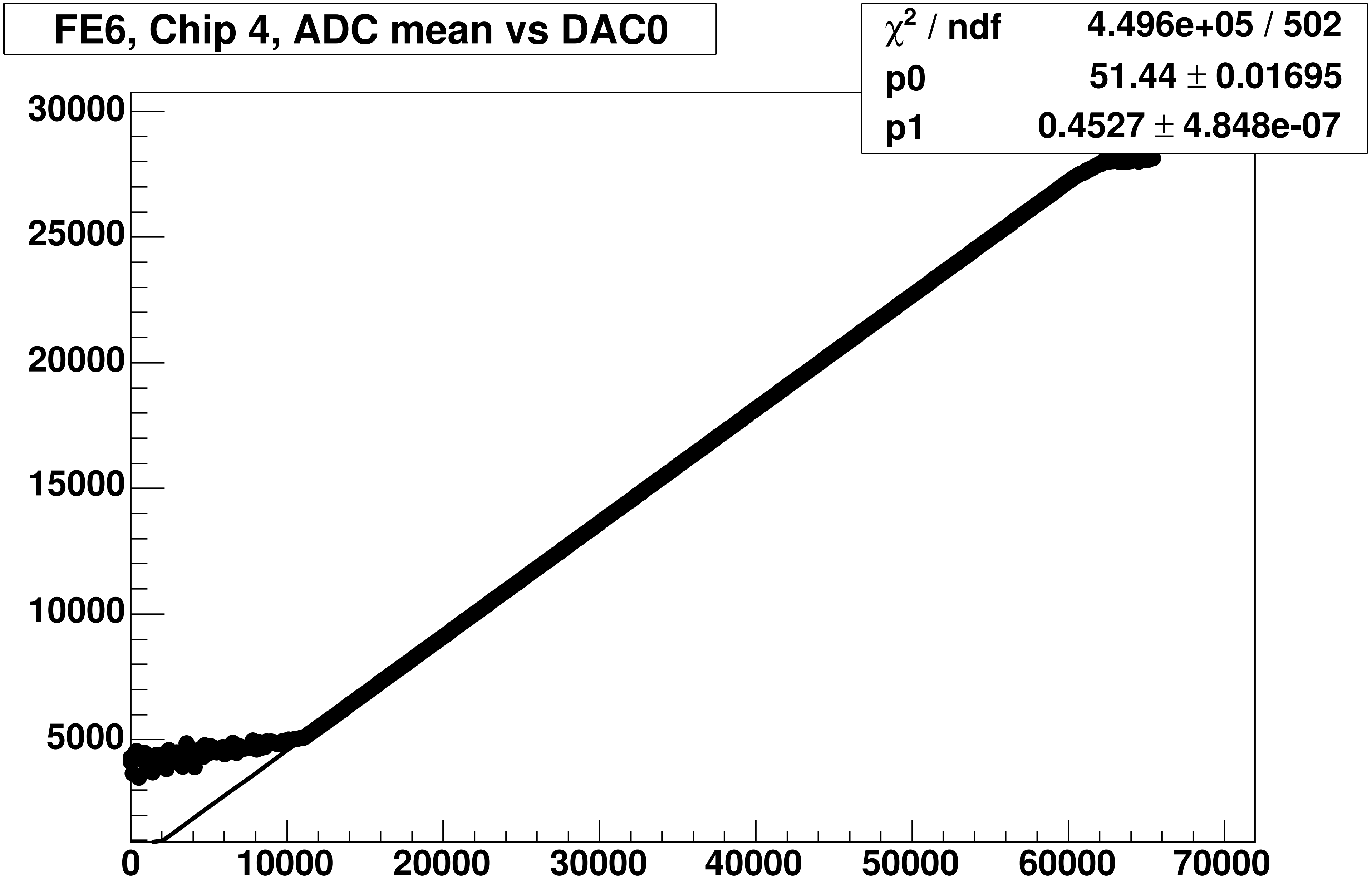

FE6, Chip 3, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

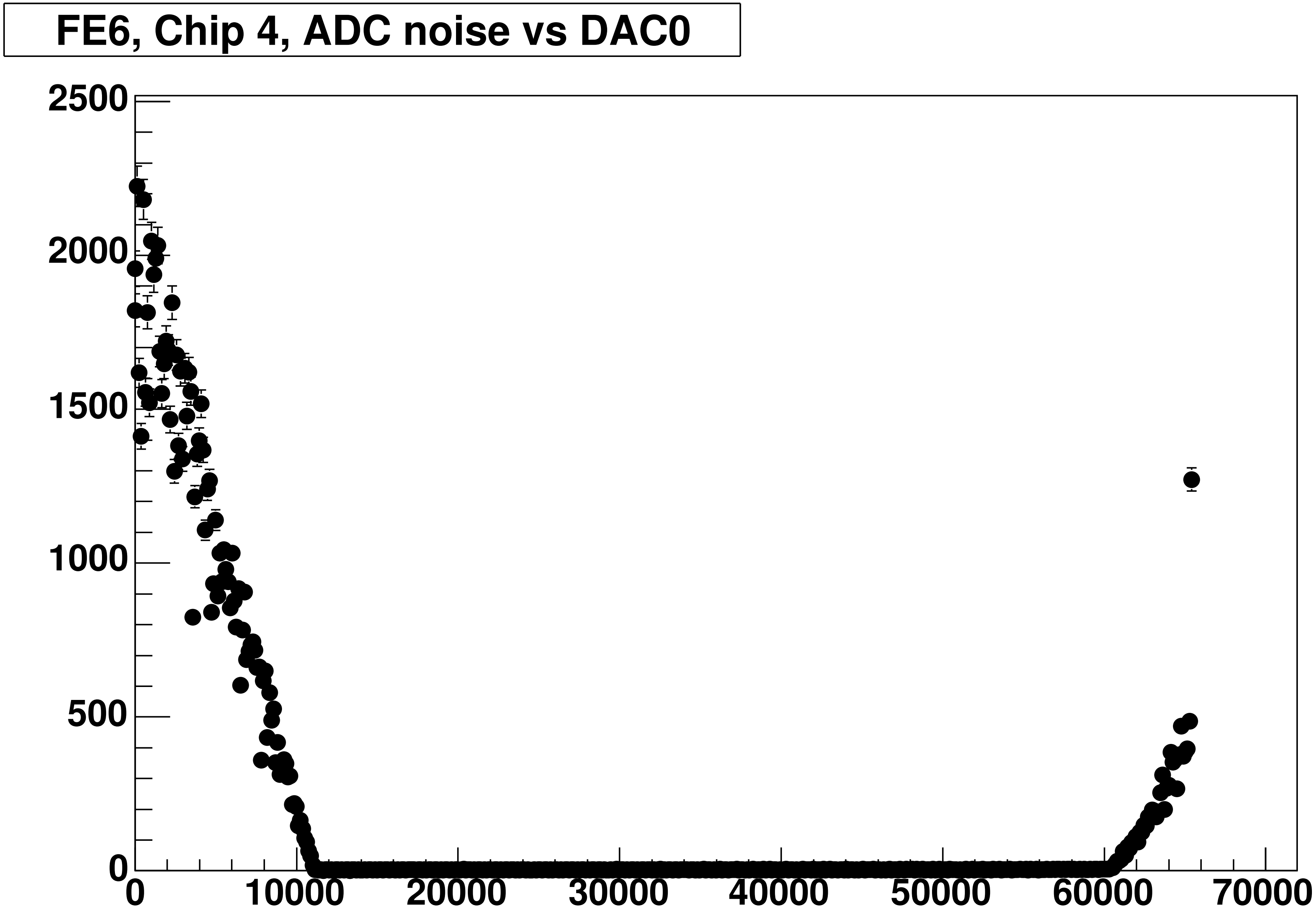

FE6, Chip 3, ADC mean vs DAC1
χ^2 / ndf 7488 / 502
p0 4143 ± 7.281
p1 -0.001385 ± 0.0001919
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

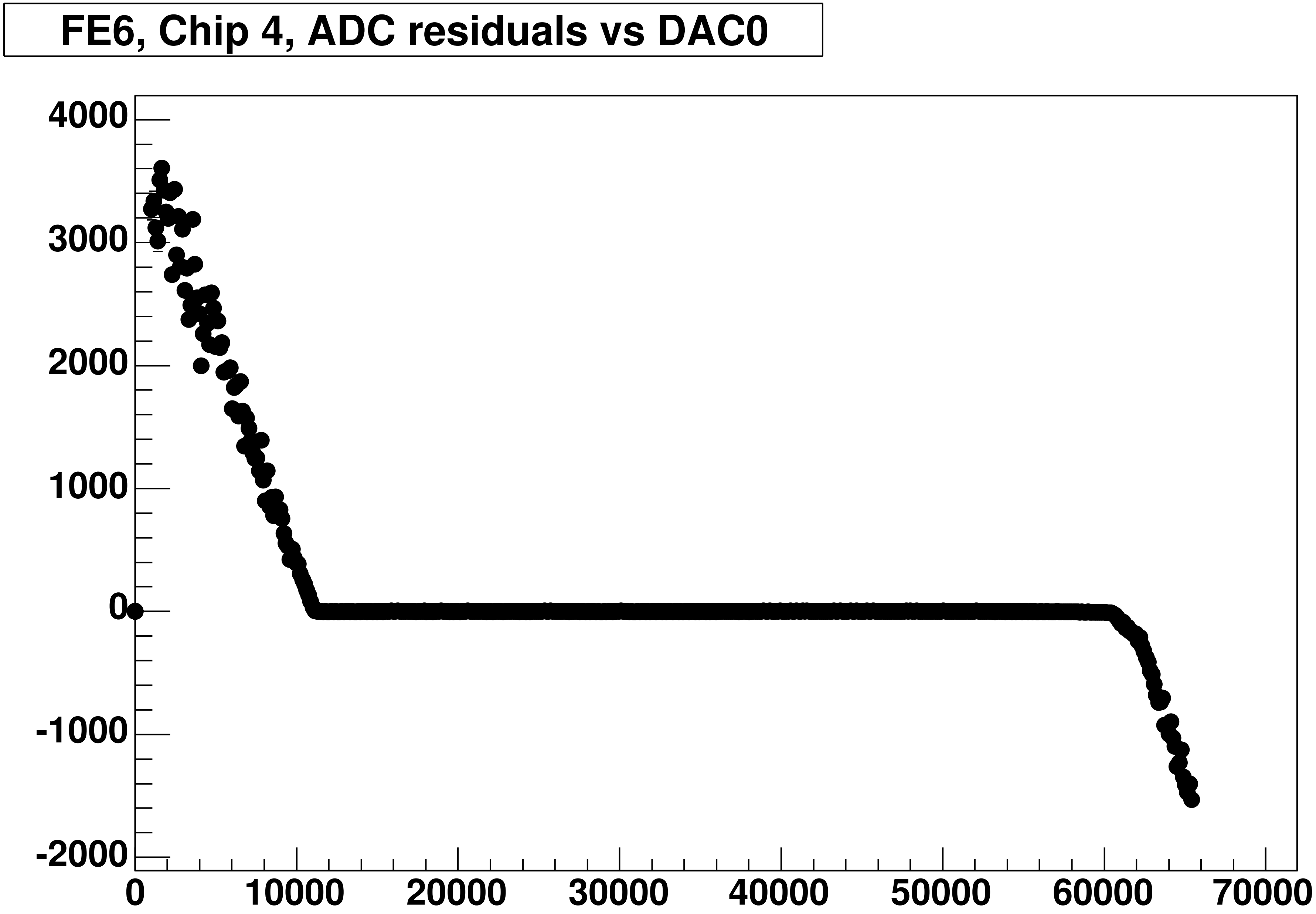

FE6, Chip 3, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

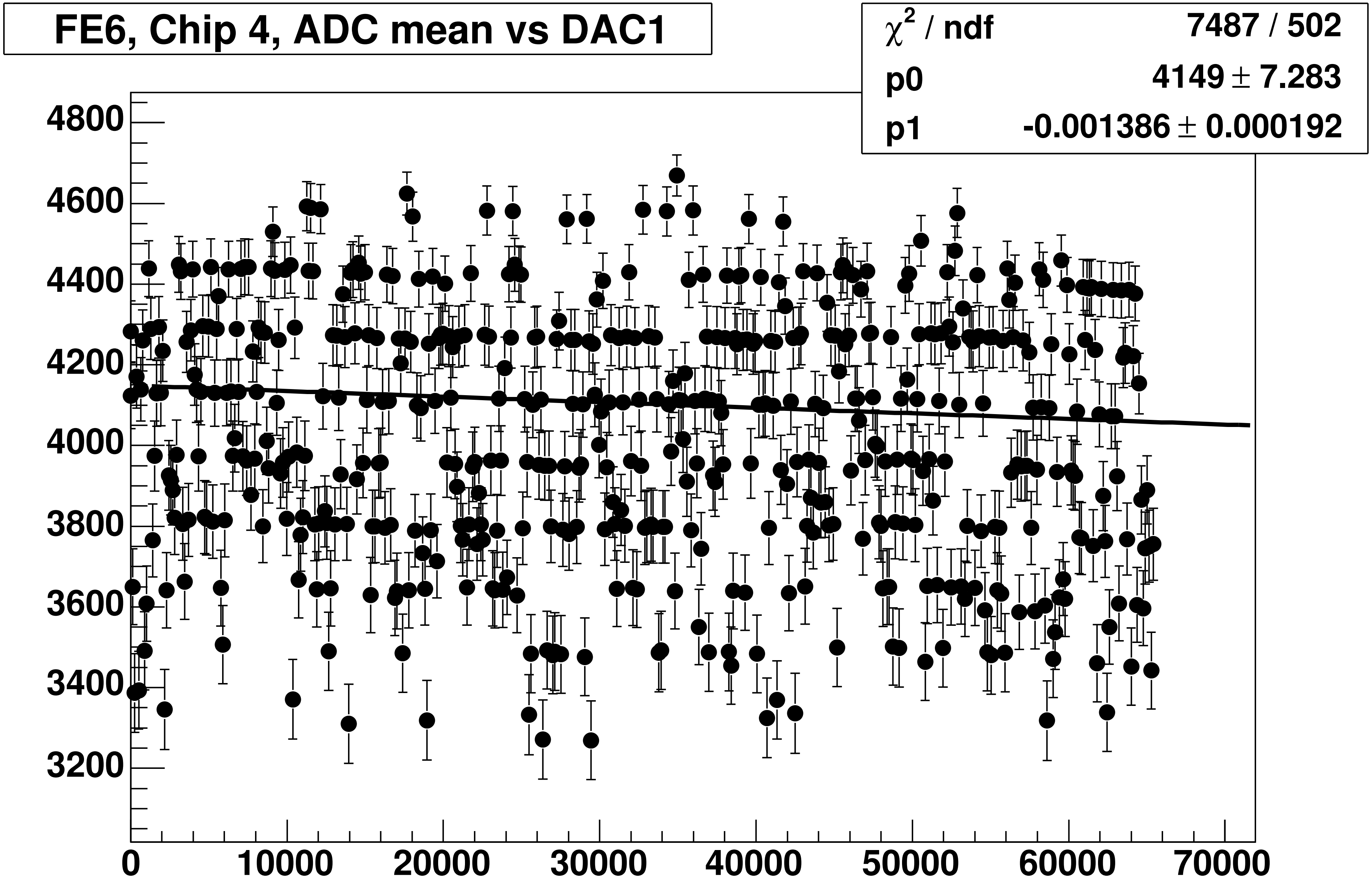

FE6, Chip 3, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



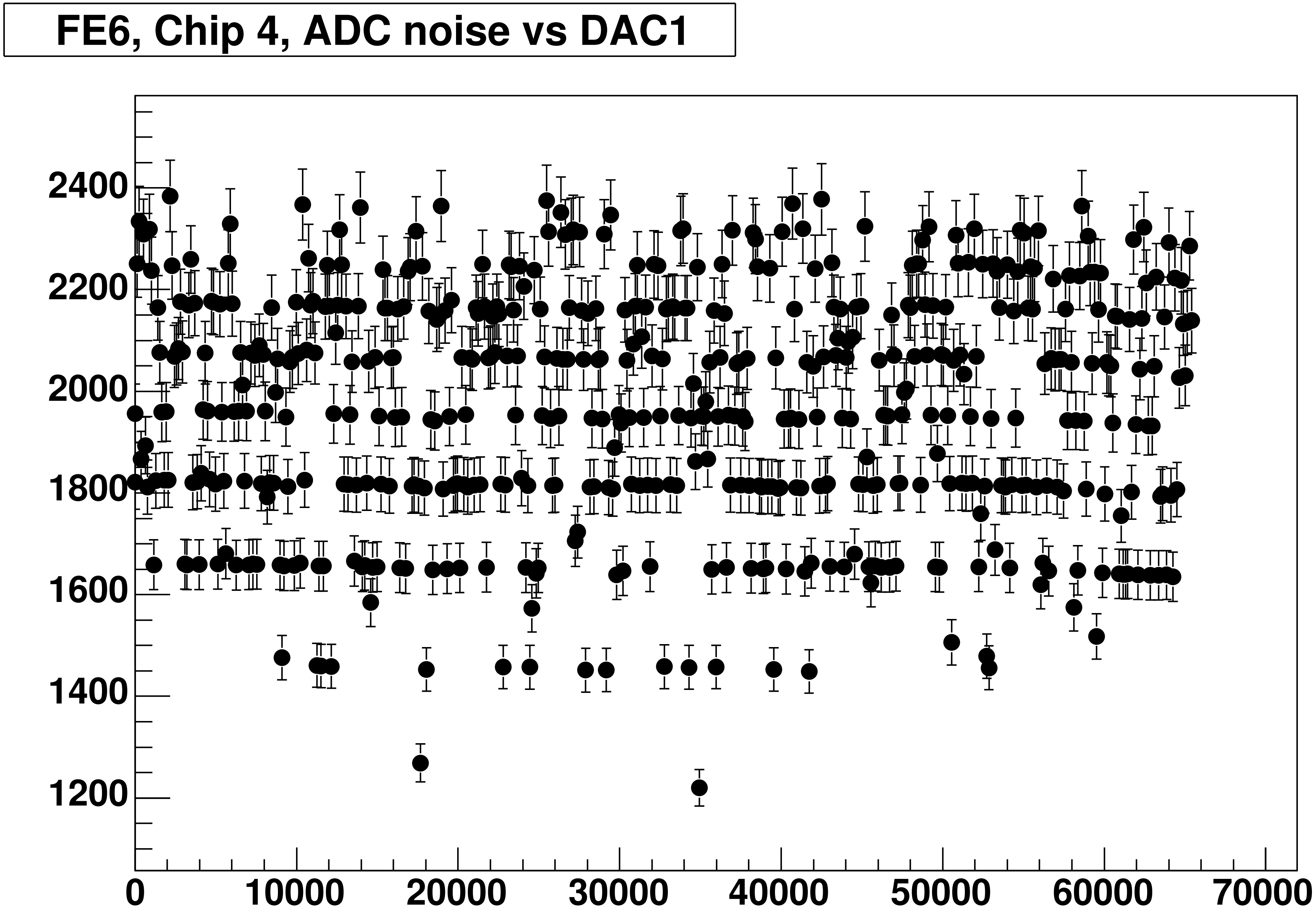
FE6, Chip 4, ADC mean vs DAC0
χ^2 / ndf 4.496e+05 / 502
p0 51.44 ± 0.01695
p1 0.4527 ± 4.848e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

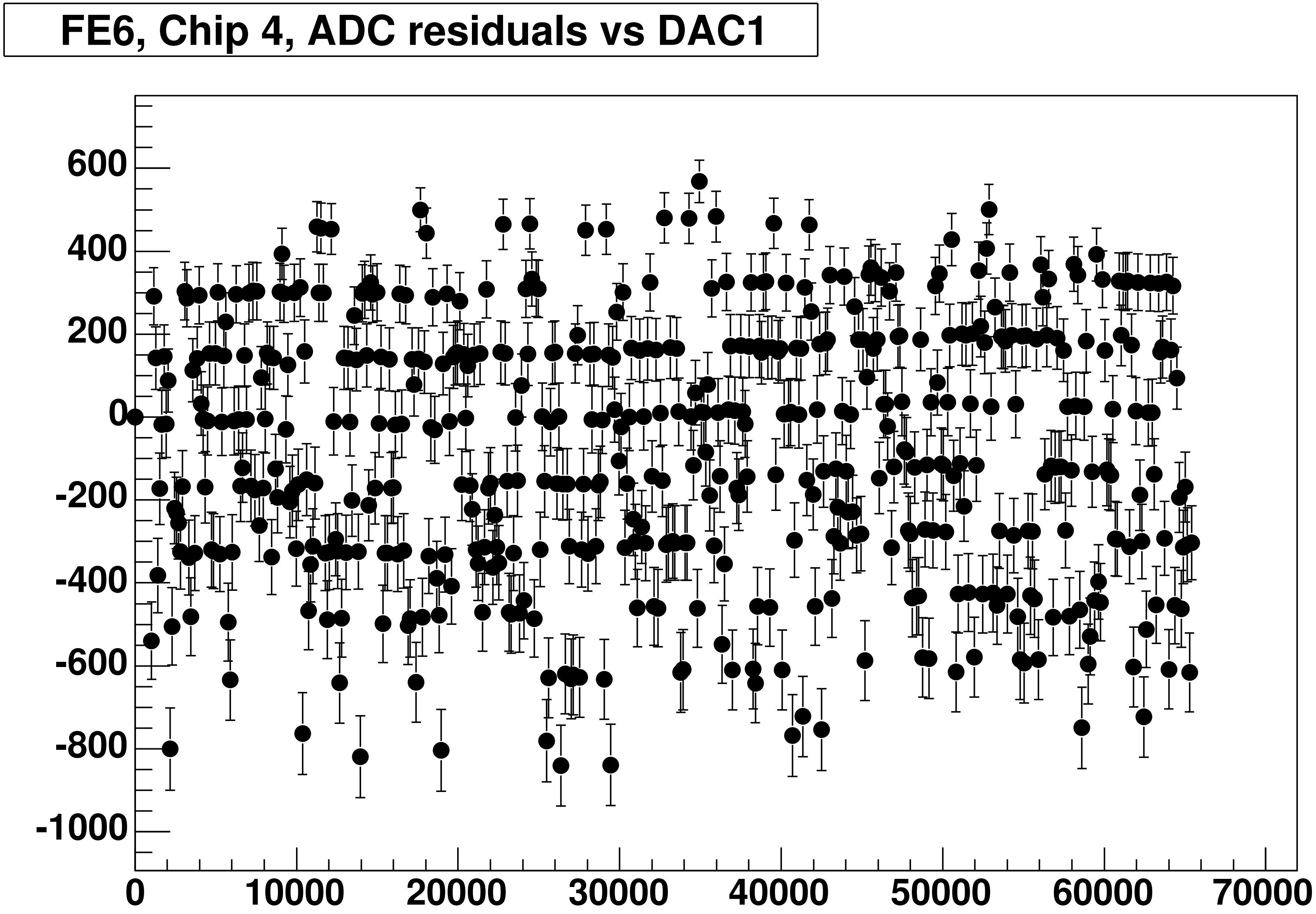

FE6, Chip 4, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

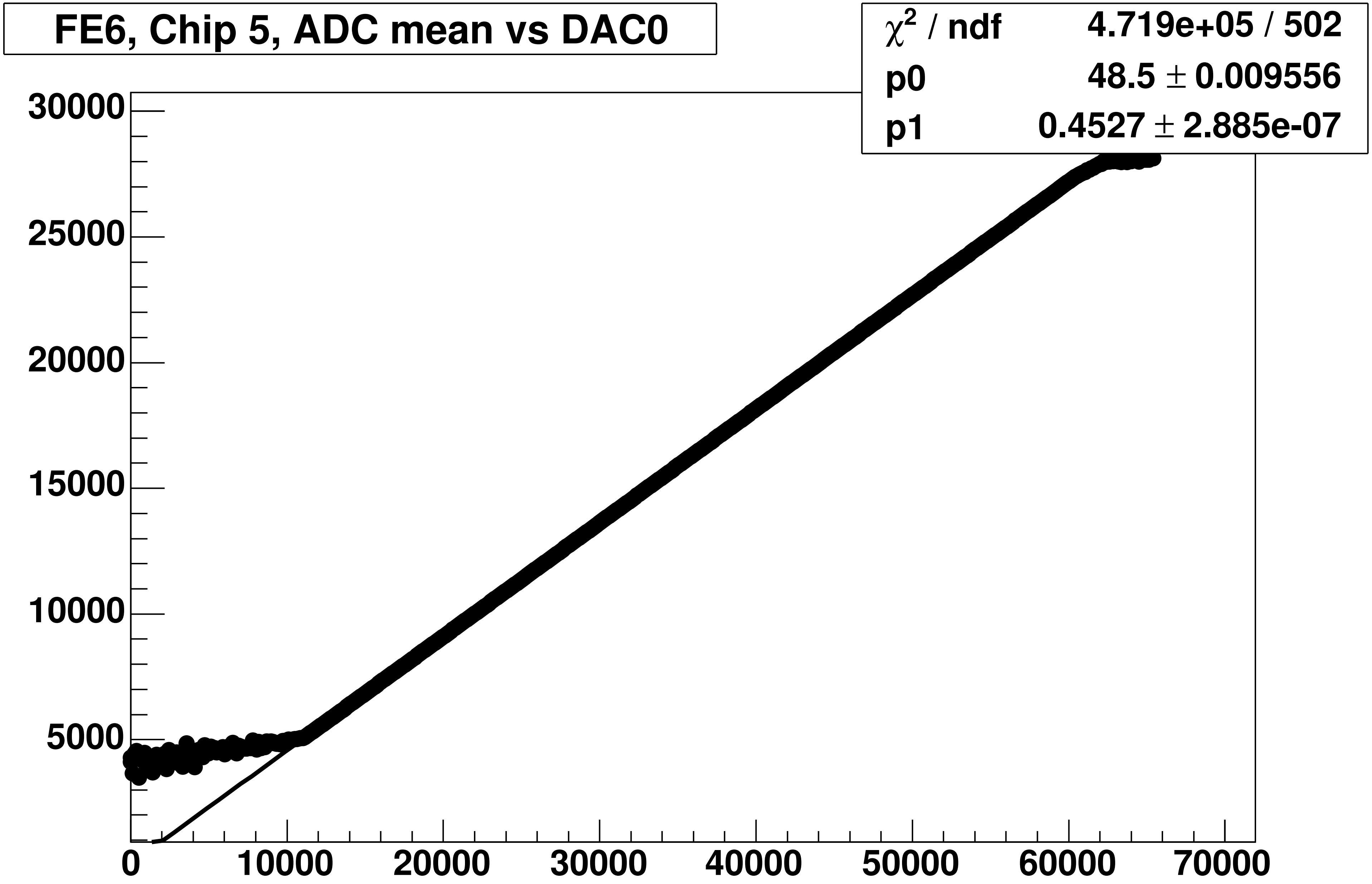

FE6, Chip 4, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000



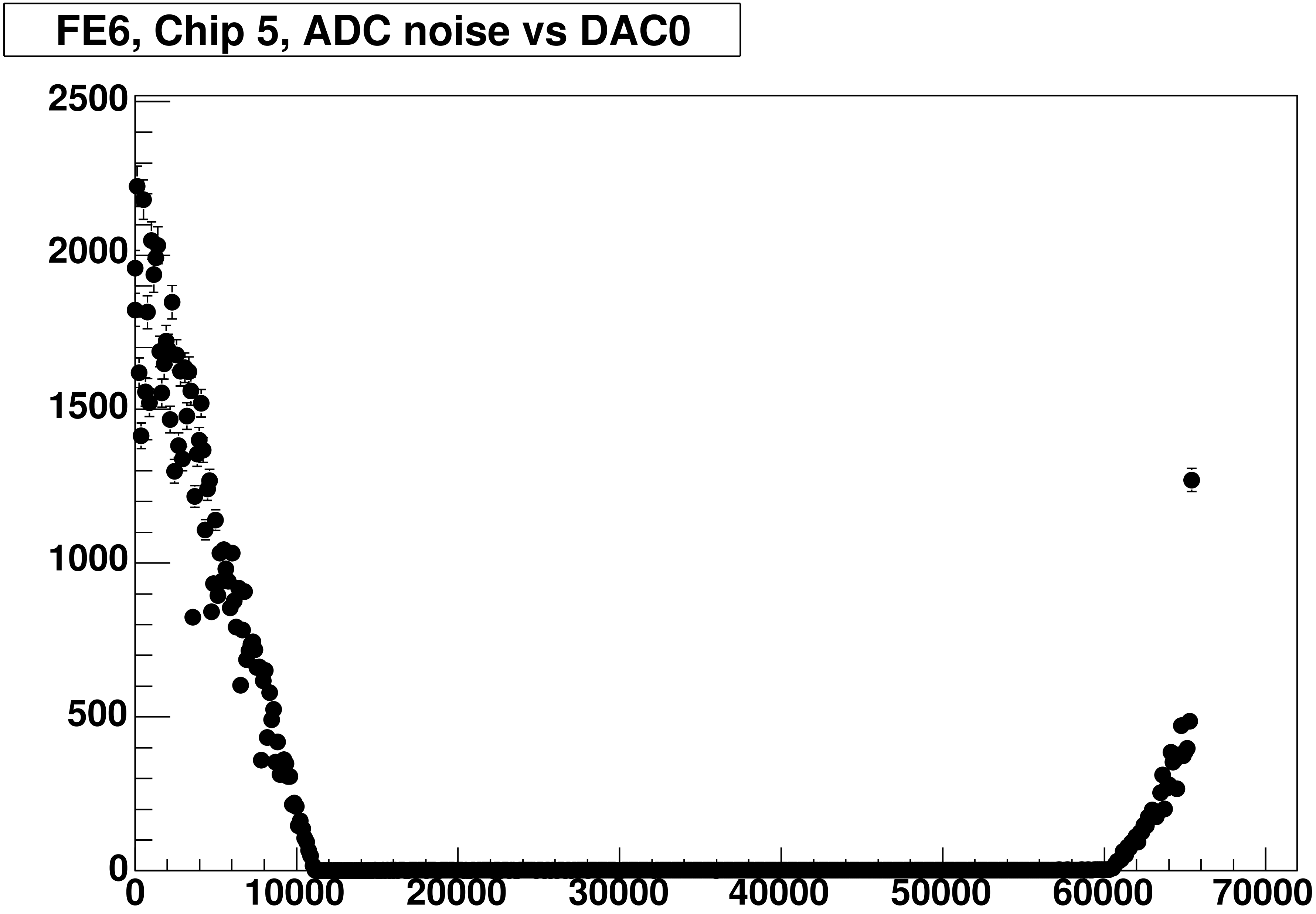
FE6, Chip 4, ADC mean vs DAC1
χ2 / ndf 7487 / 502
p0 4149 ± 7.283
p1 -0.001386 ± 0.000192
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 4, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

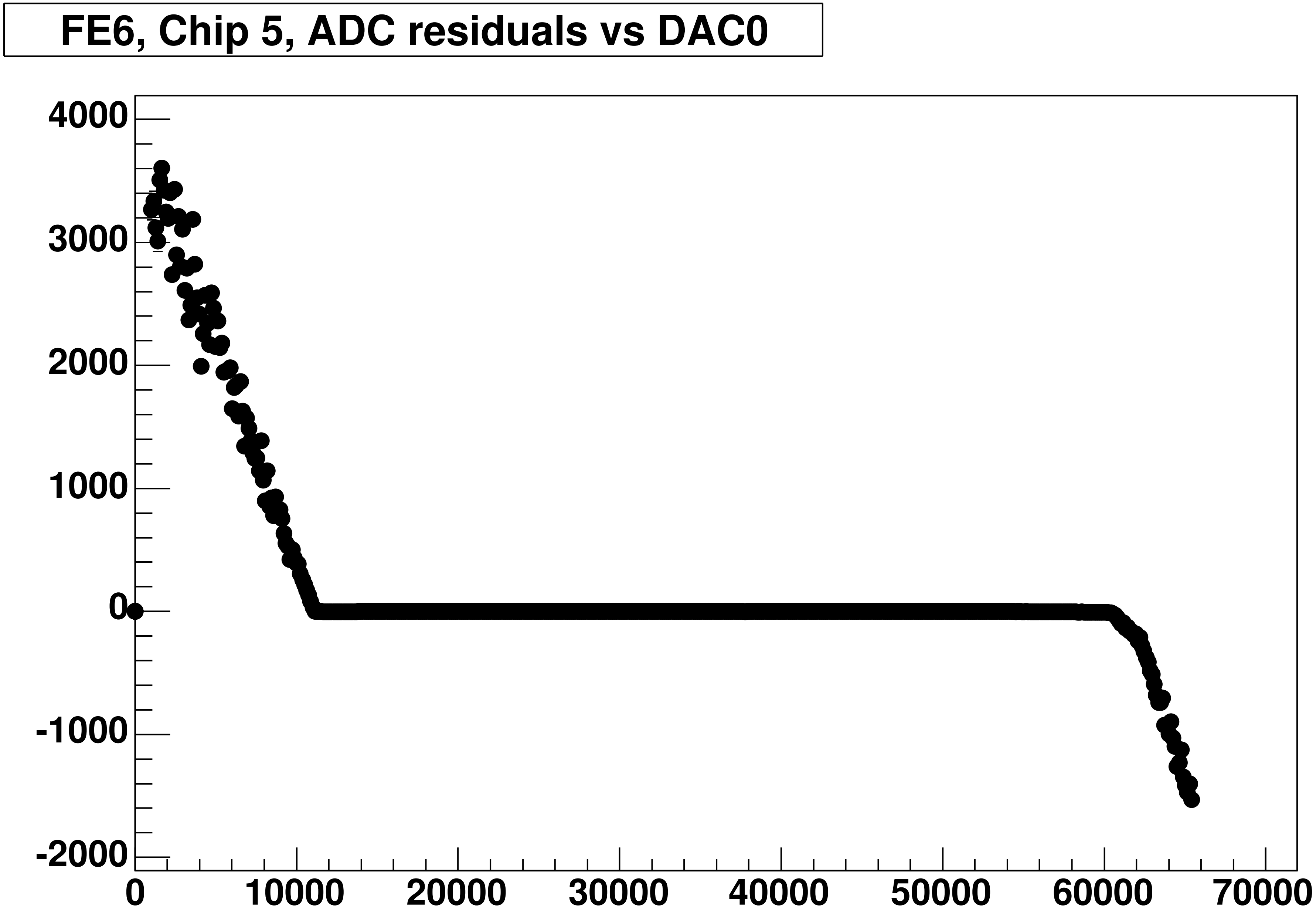

FE6, Chip 4, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

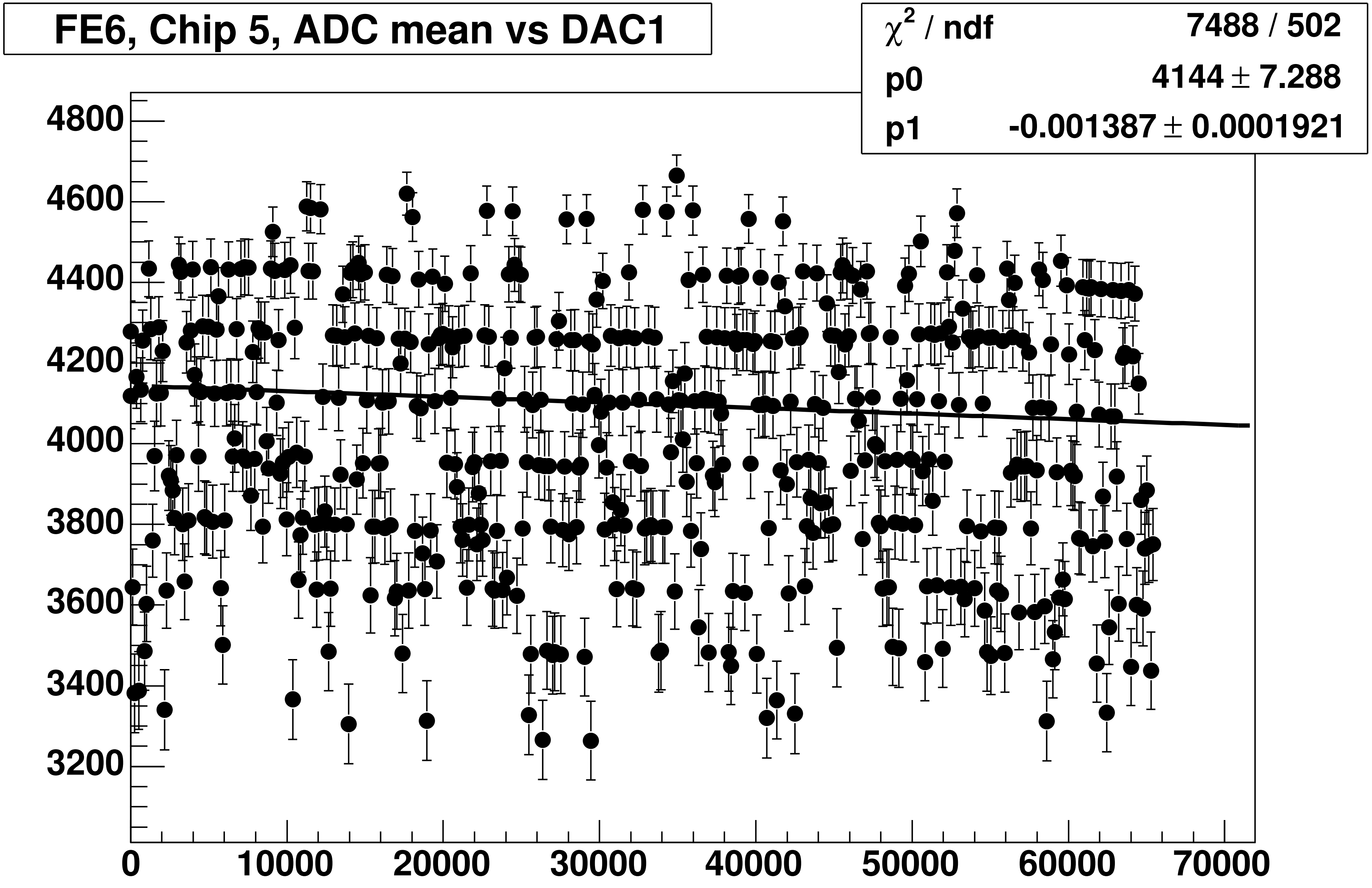


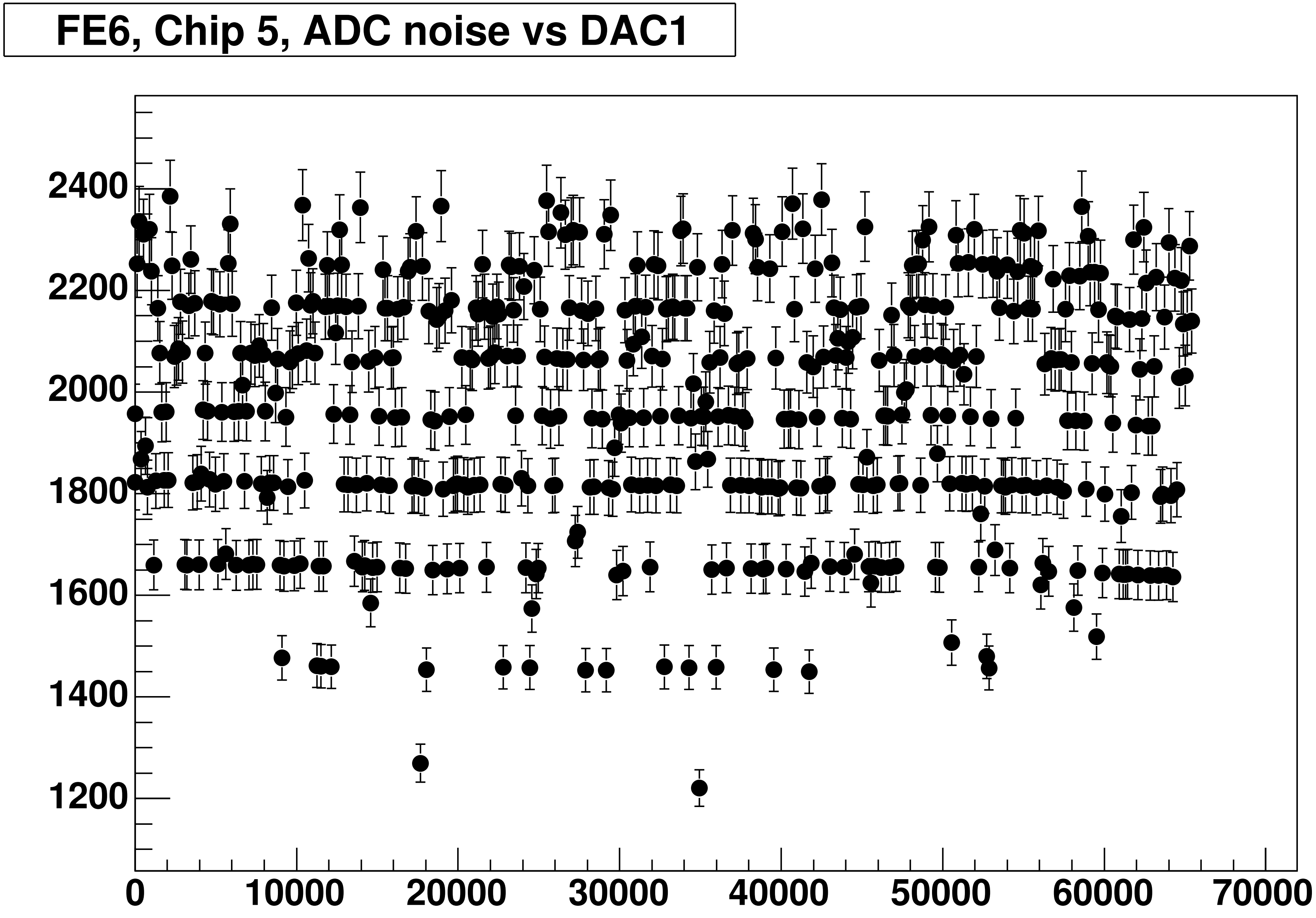
FE6, Chip 5, ADC mean vs DAC0
χ^2 / ndf 4.719e+05 / 502
p0 48.5 ± 0.009556
p1 0.4527 ± 2.885e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

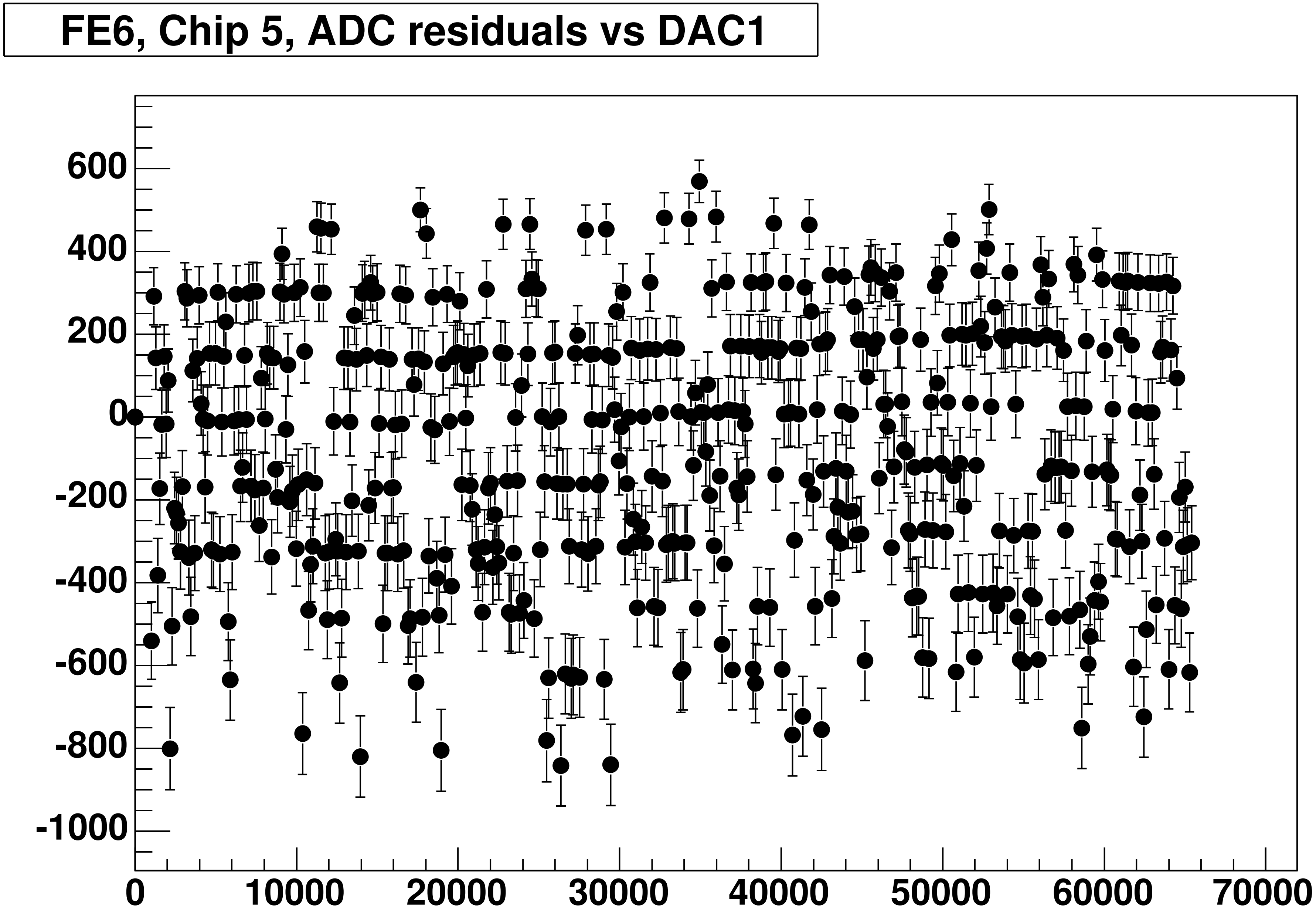


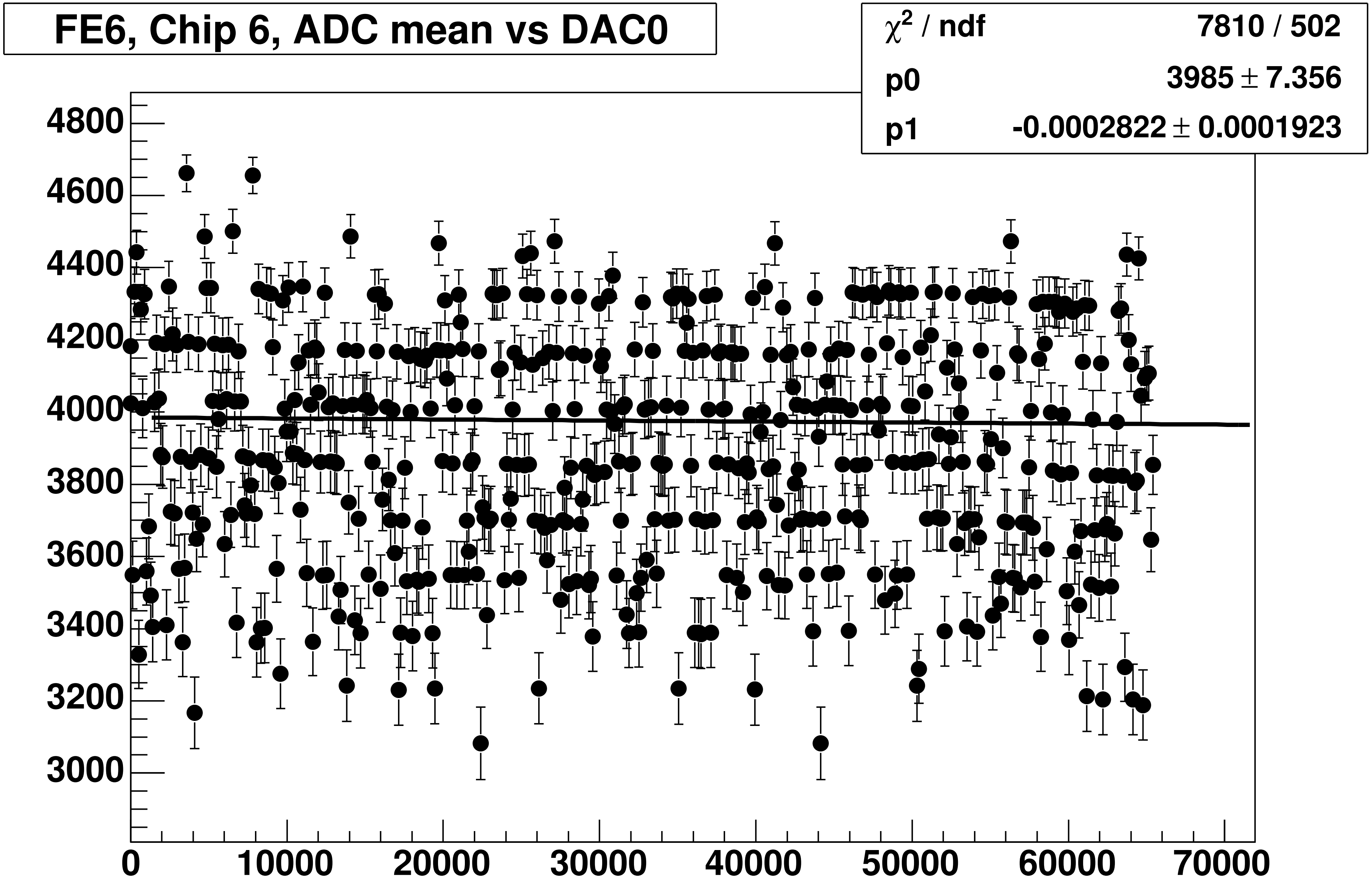
FE6, Chip 5, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

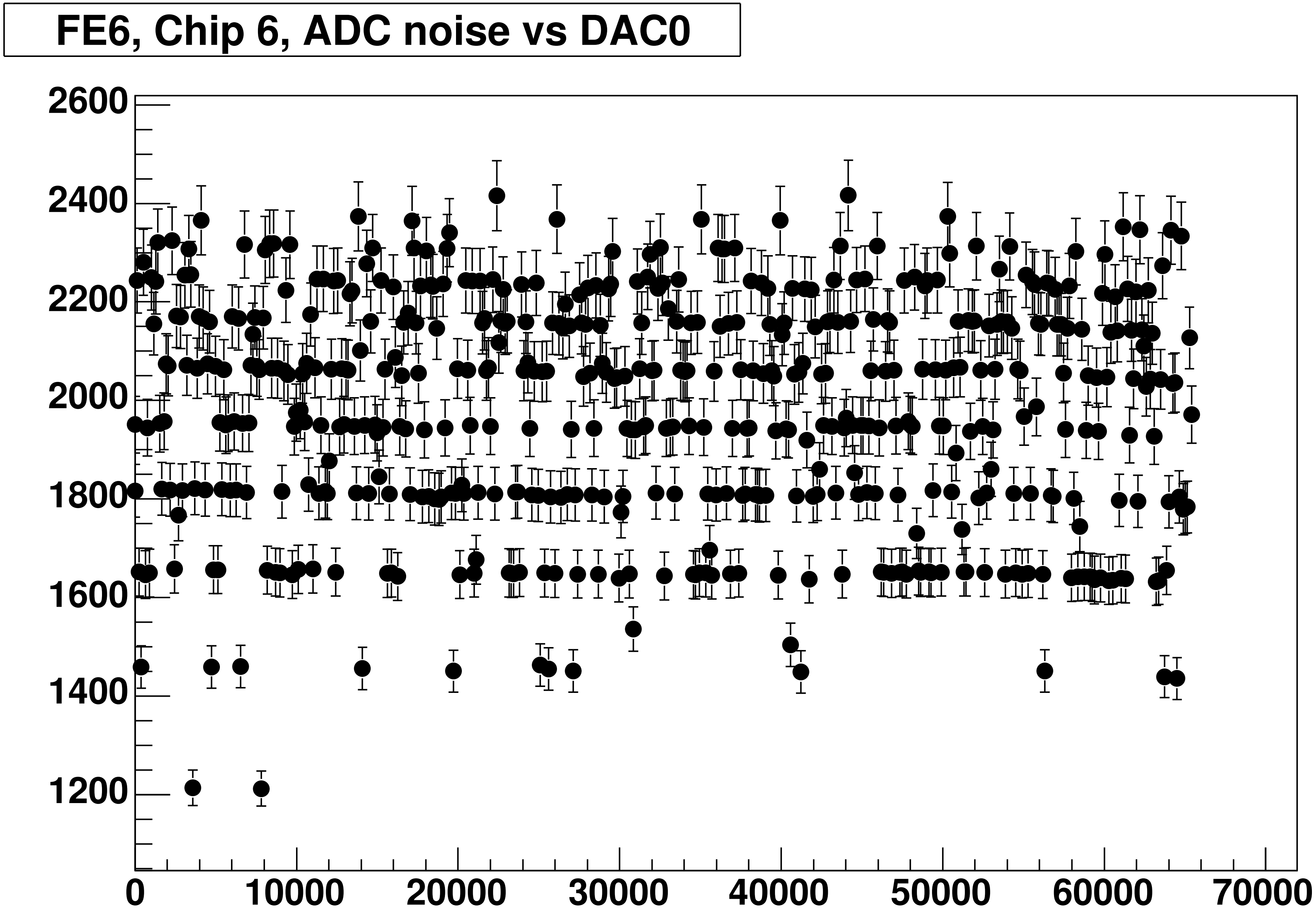

FE6, Chip 5, ADC mean vs DAC1
χ² / ndf 7488 / 502
p0 4144 ± 7.288
p1 -0.001387 ± 0.0001921
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

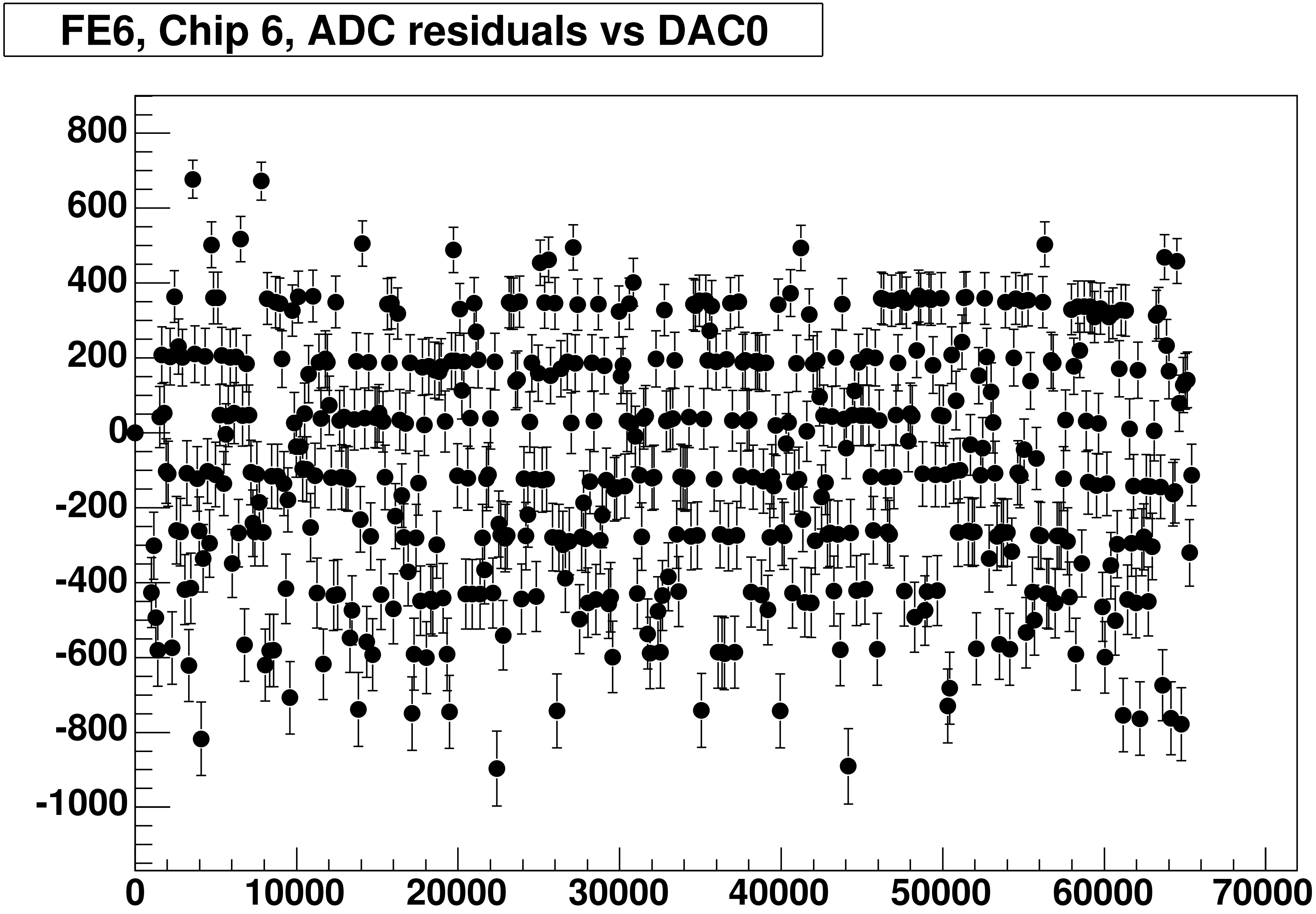

FE6, Chip 5, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

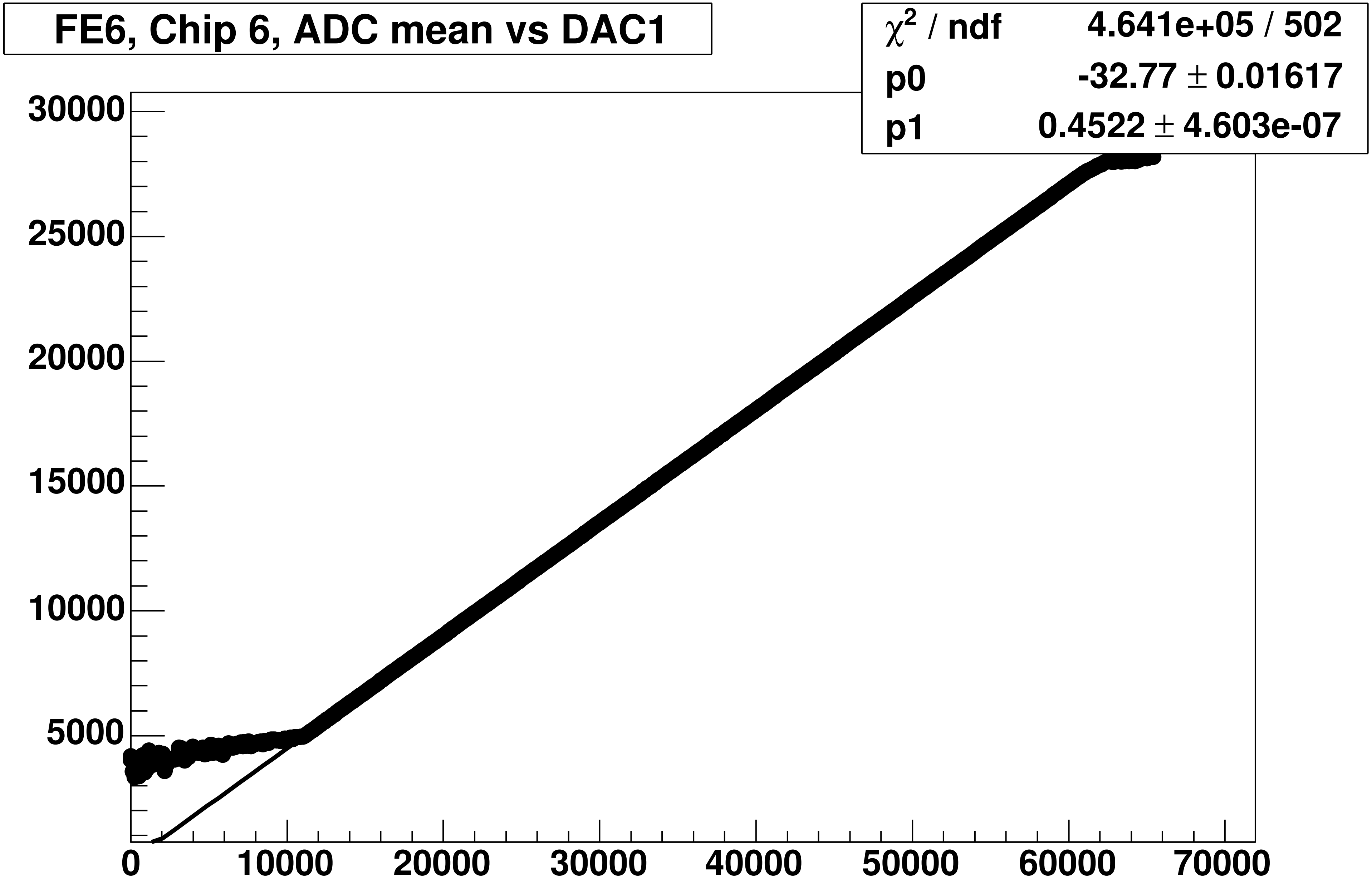

FE6, Chip 5, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

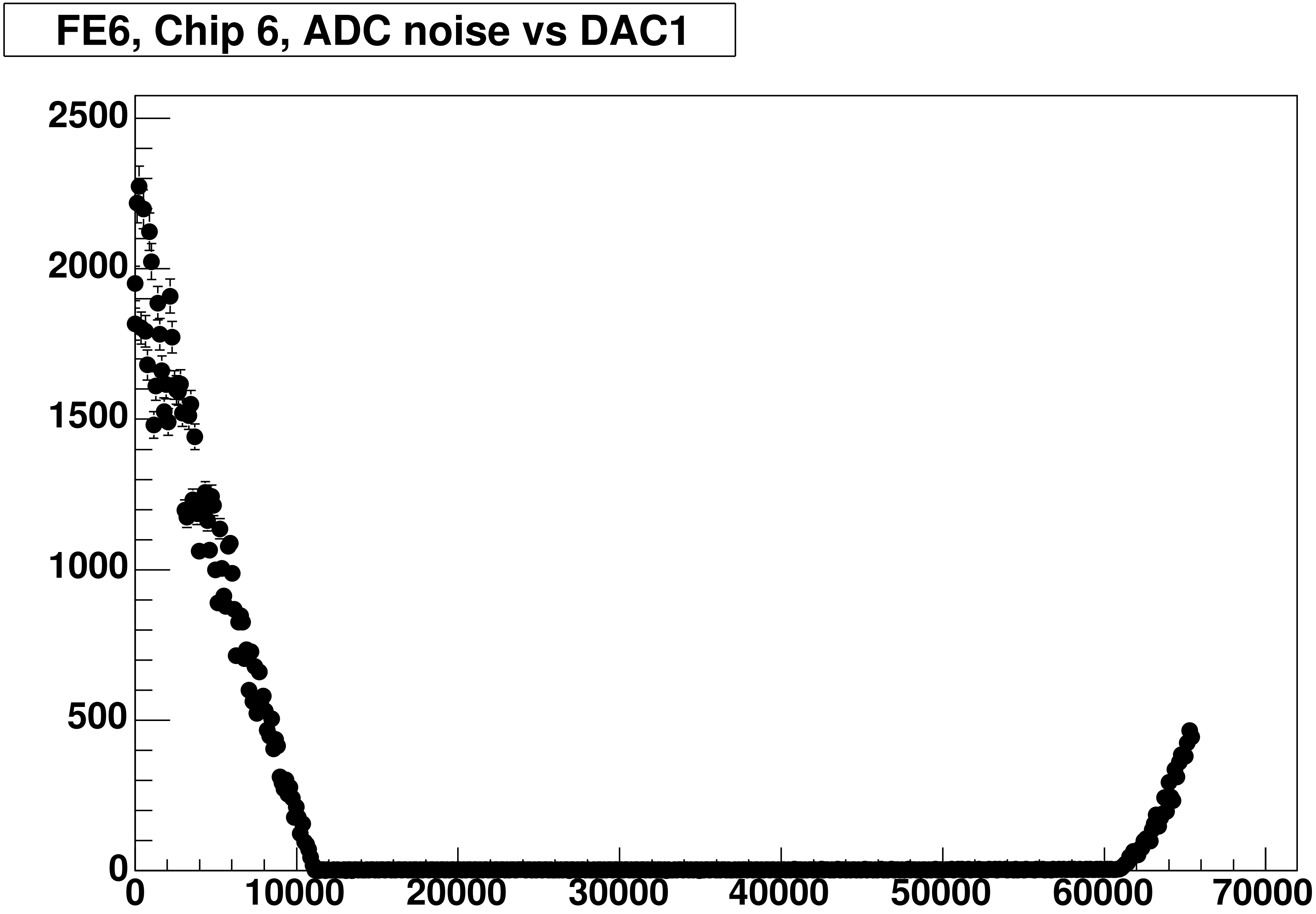


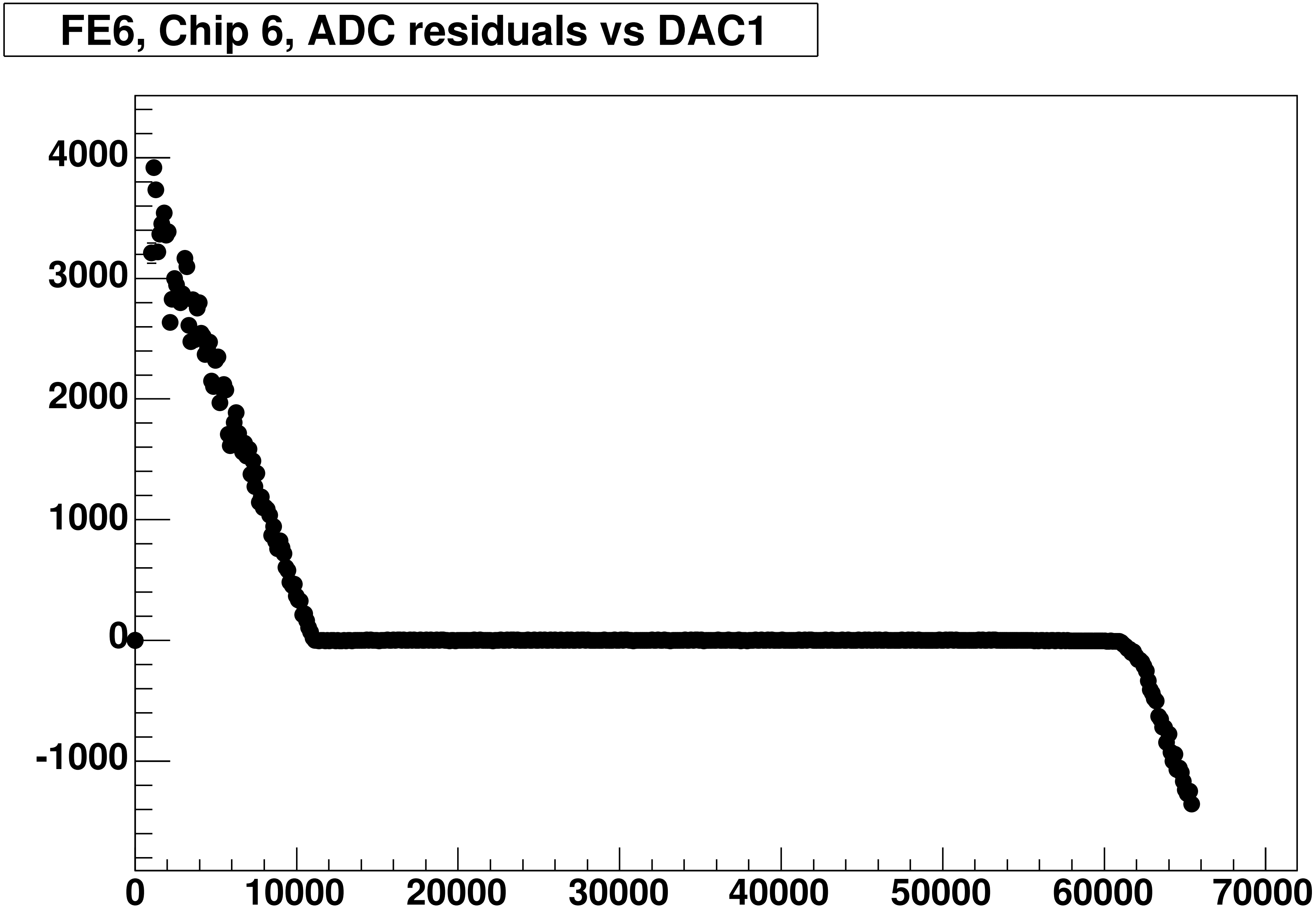
FE6, Chip 6, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 3985 ± 7.356
p1 -0.0002822 ± 0.0001923
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

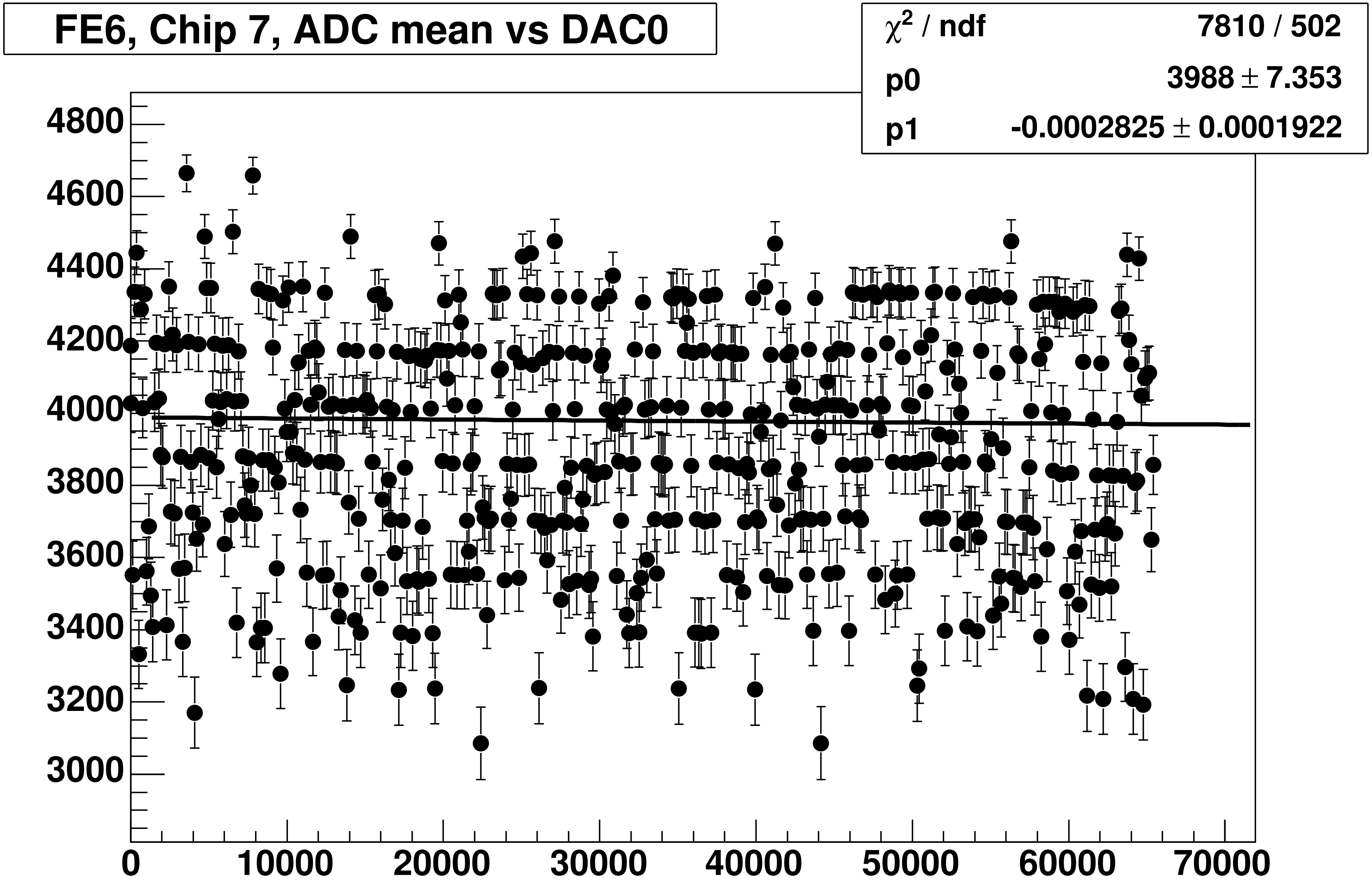

FE6, Chip 6, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 6, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

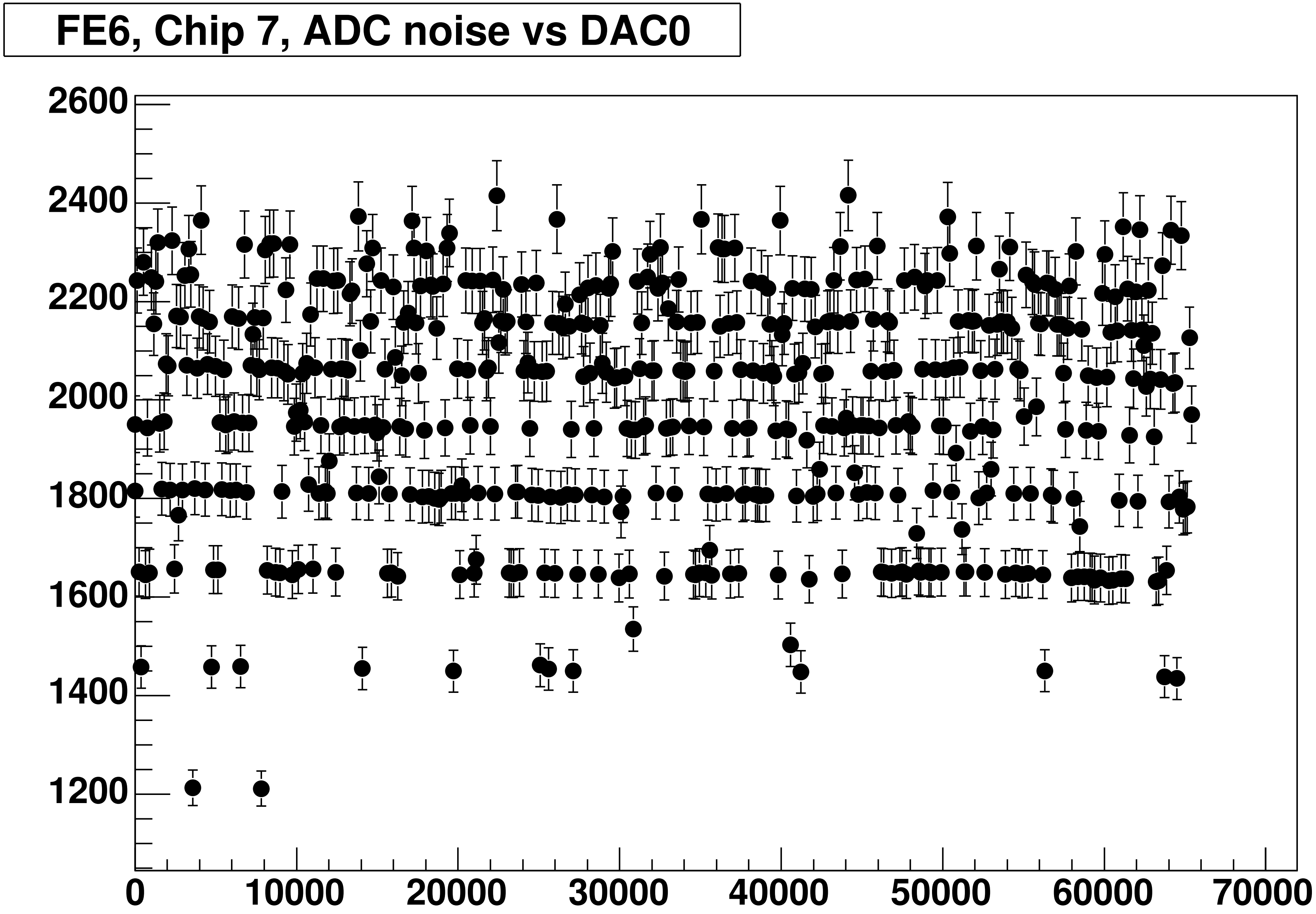

FE6, Chip 6, ADC mean vs DAC1
χ^2 / ndf 4.641e+05 / 502
p0 -32.77 ± 0.01617
p1 0.4522 ± 4.603e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

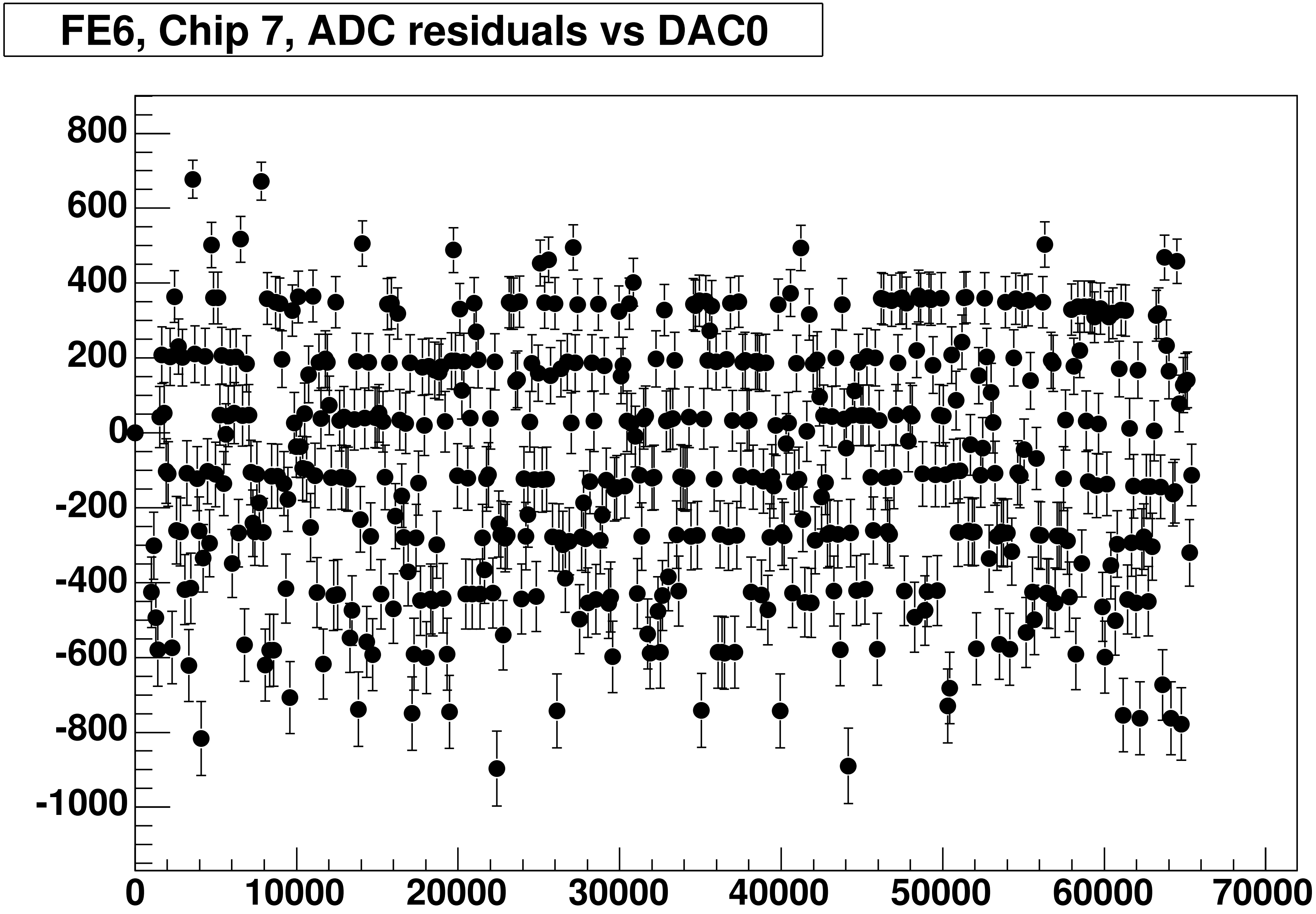

FE6, Chip 6, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

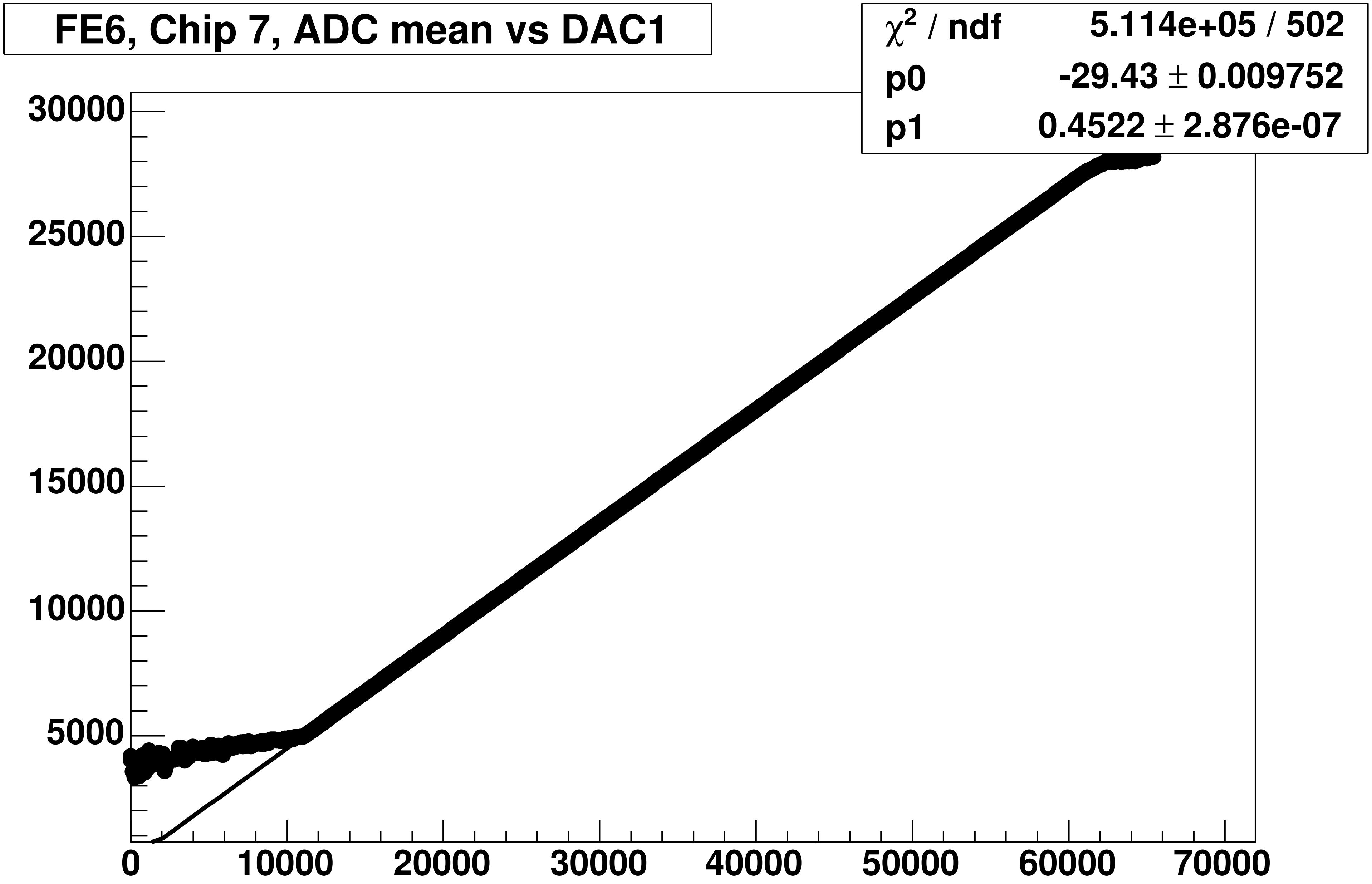

FE6, Chip 6, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

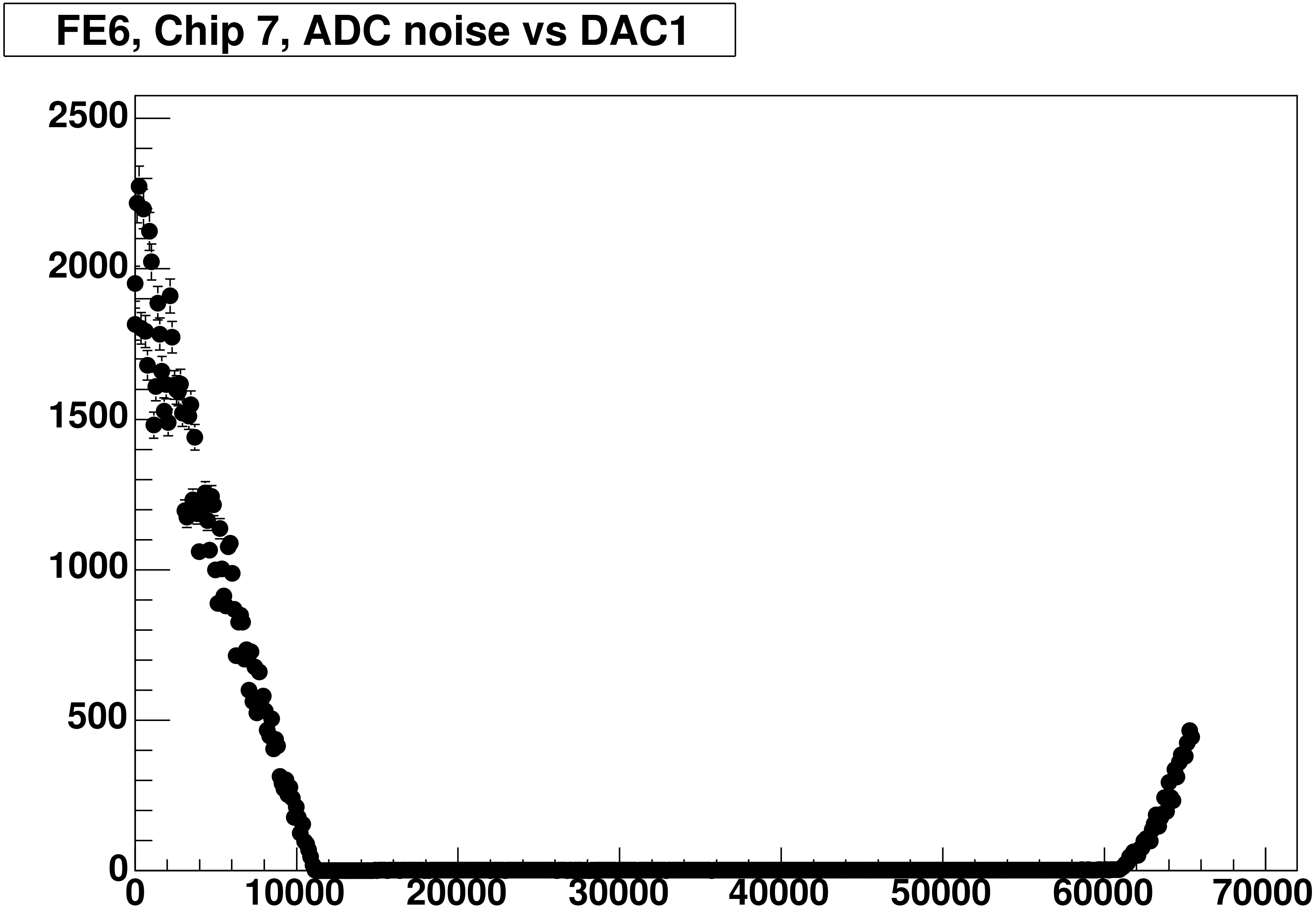


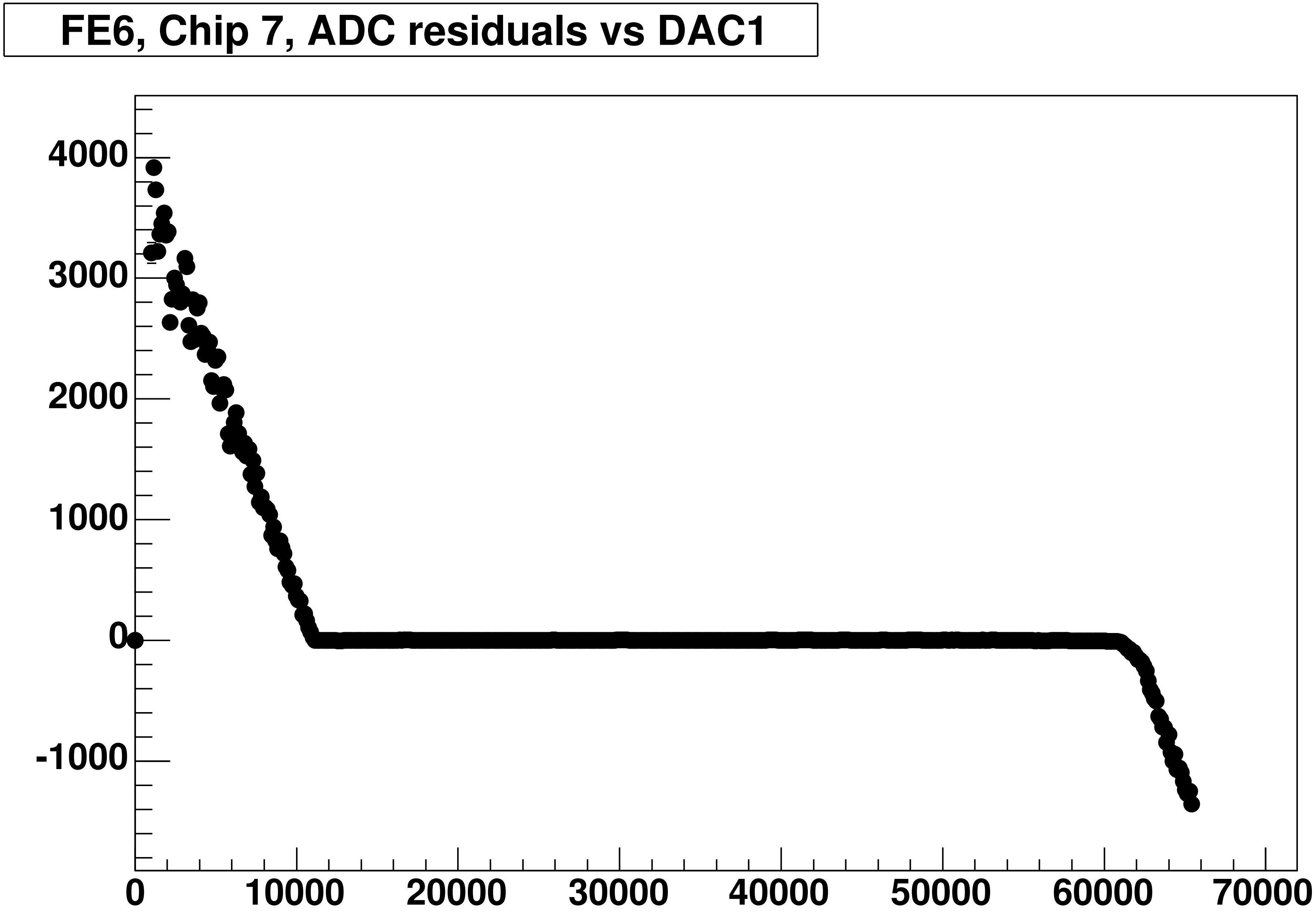
FE6, Chip 7, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 3988 ± 7.353
p1 -0.0002825 ± 0.0001922
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

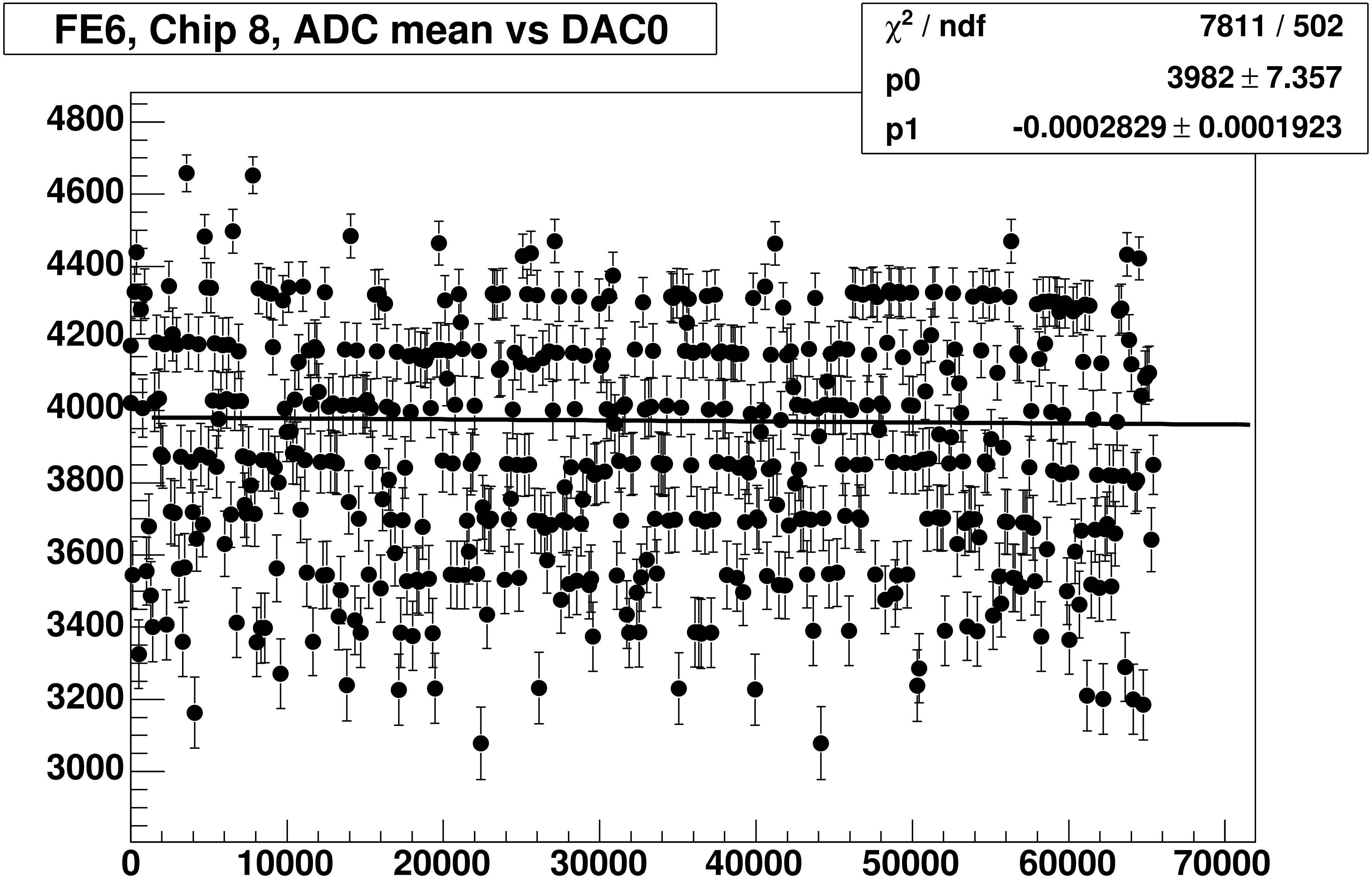

FE6, Chip 7, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 7, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

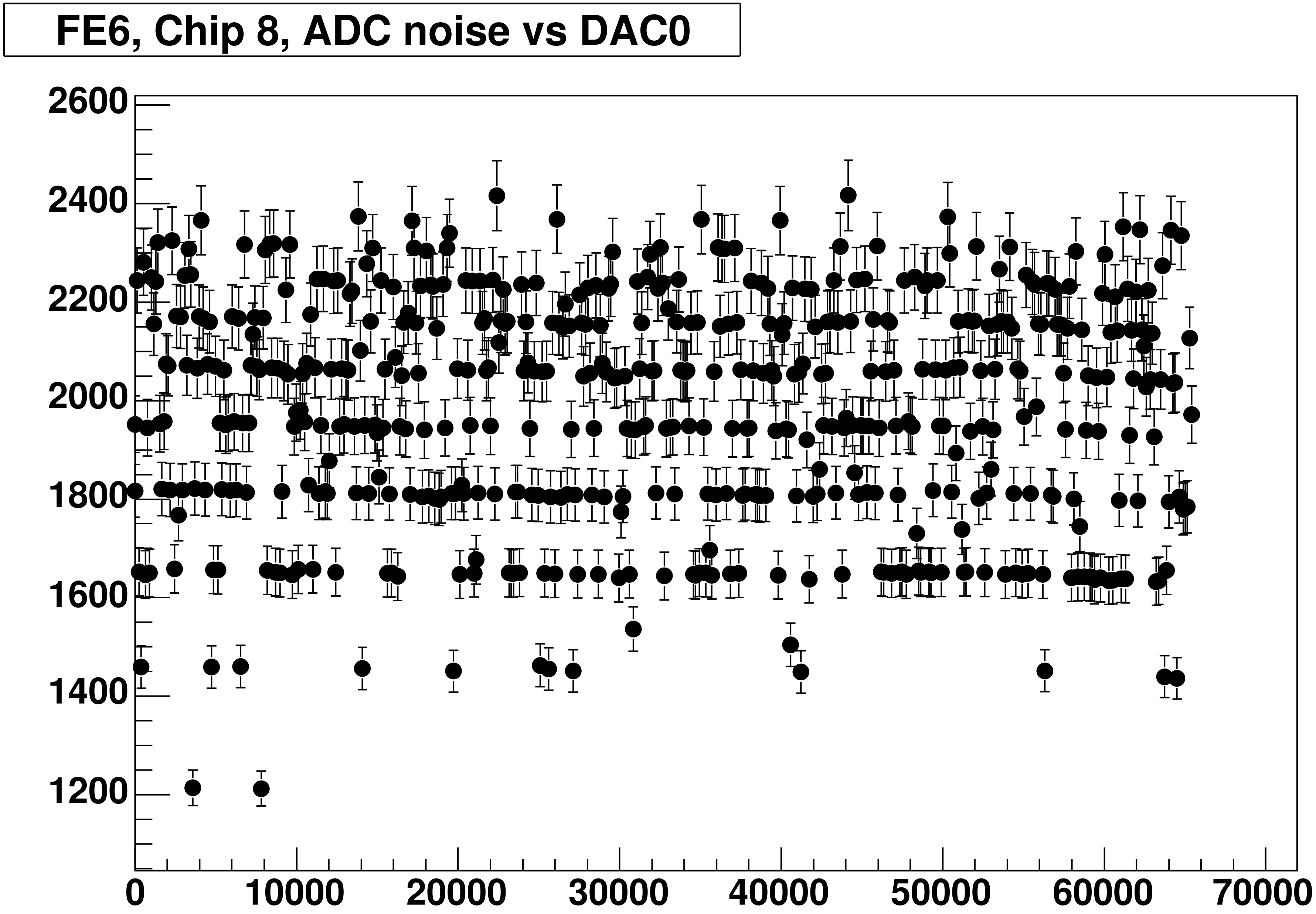

FE6, Chip 7, ADC mean vs DAC1
χ^2 / ndf 5.114e+05 / 502
p0 -29.43 ± 0.009752
p1 0.4522 ± 2.876e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

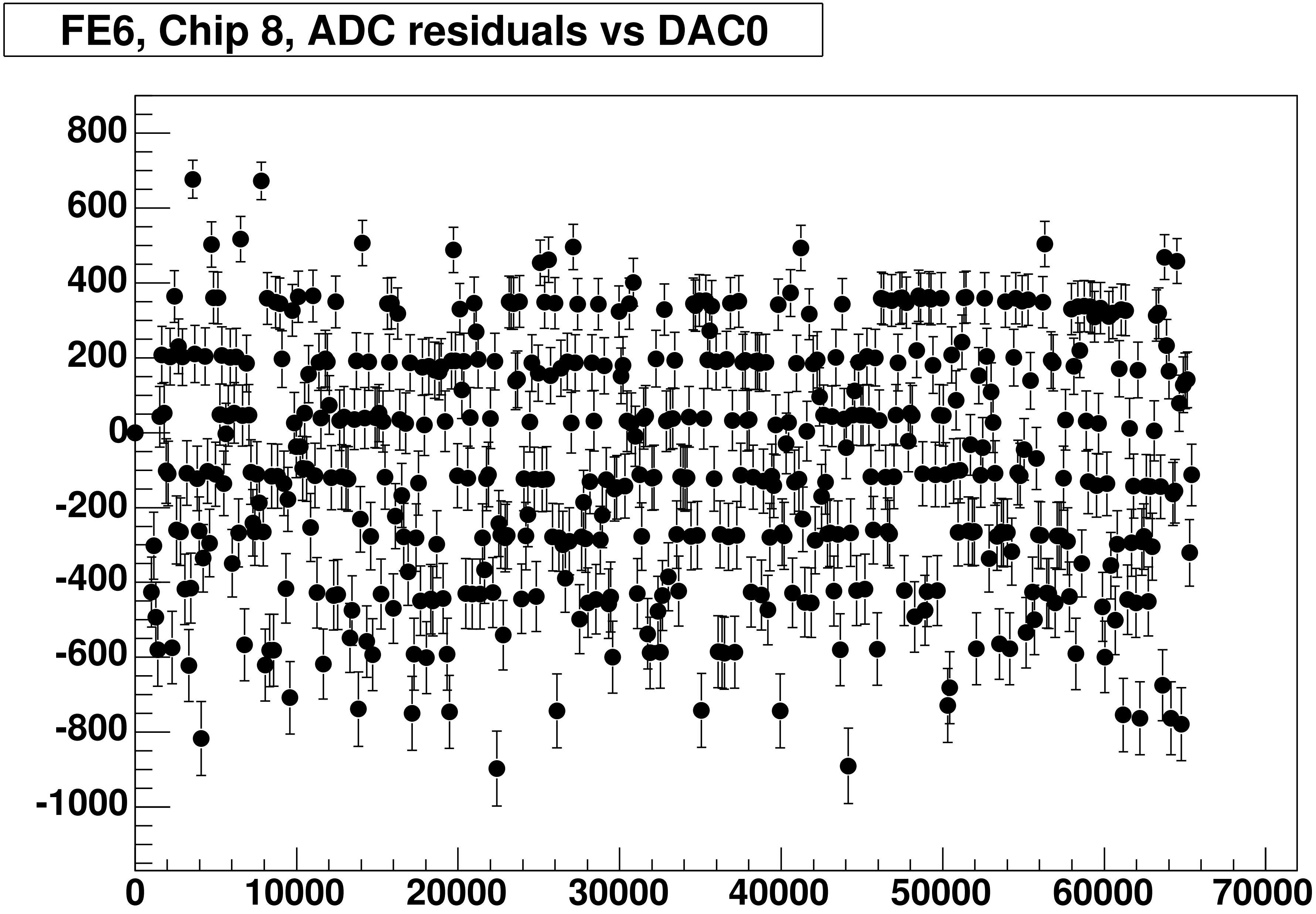

FE6, Chip 7, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

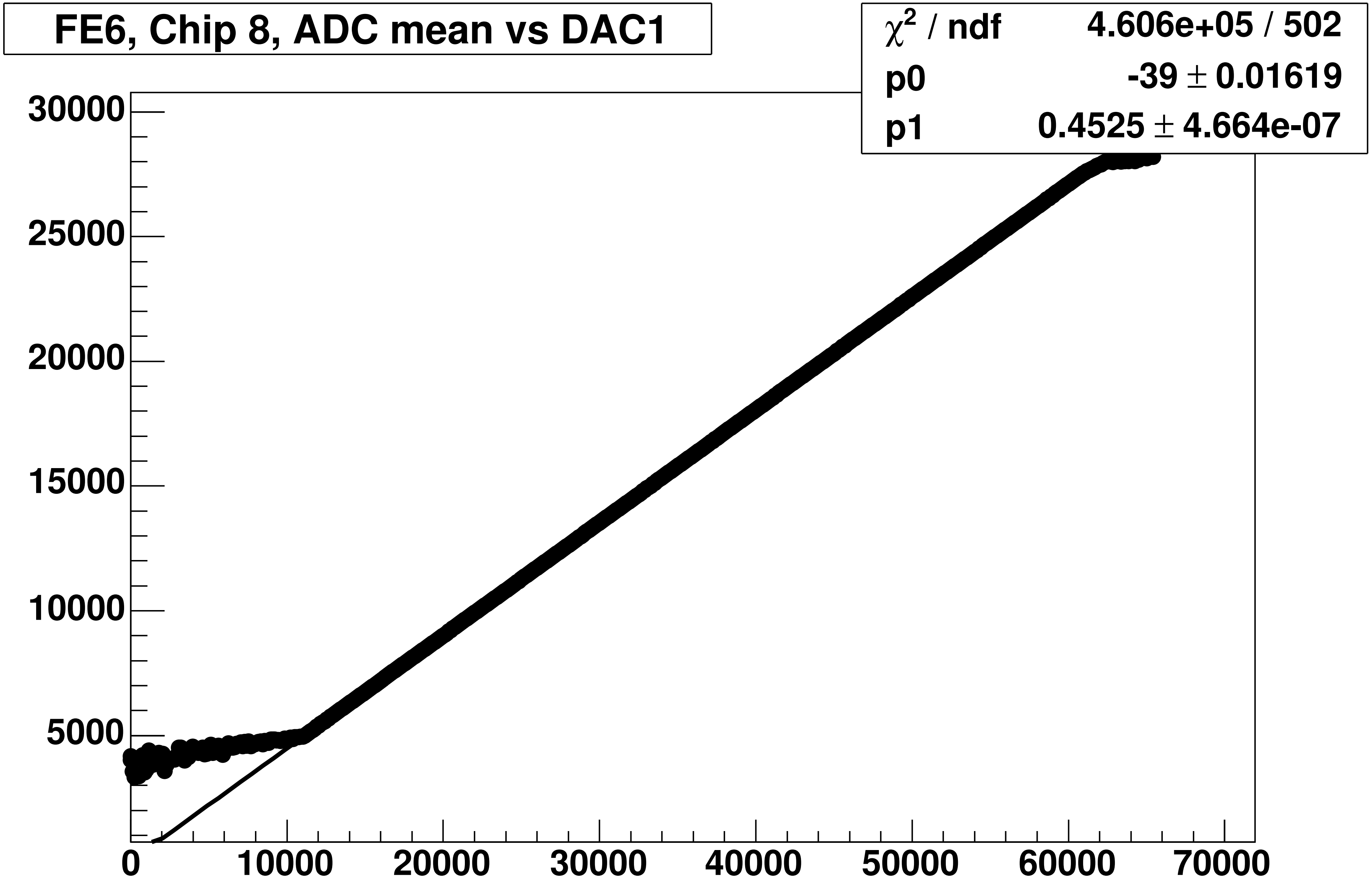

FE6, Chip 7, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

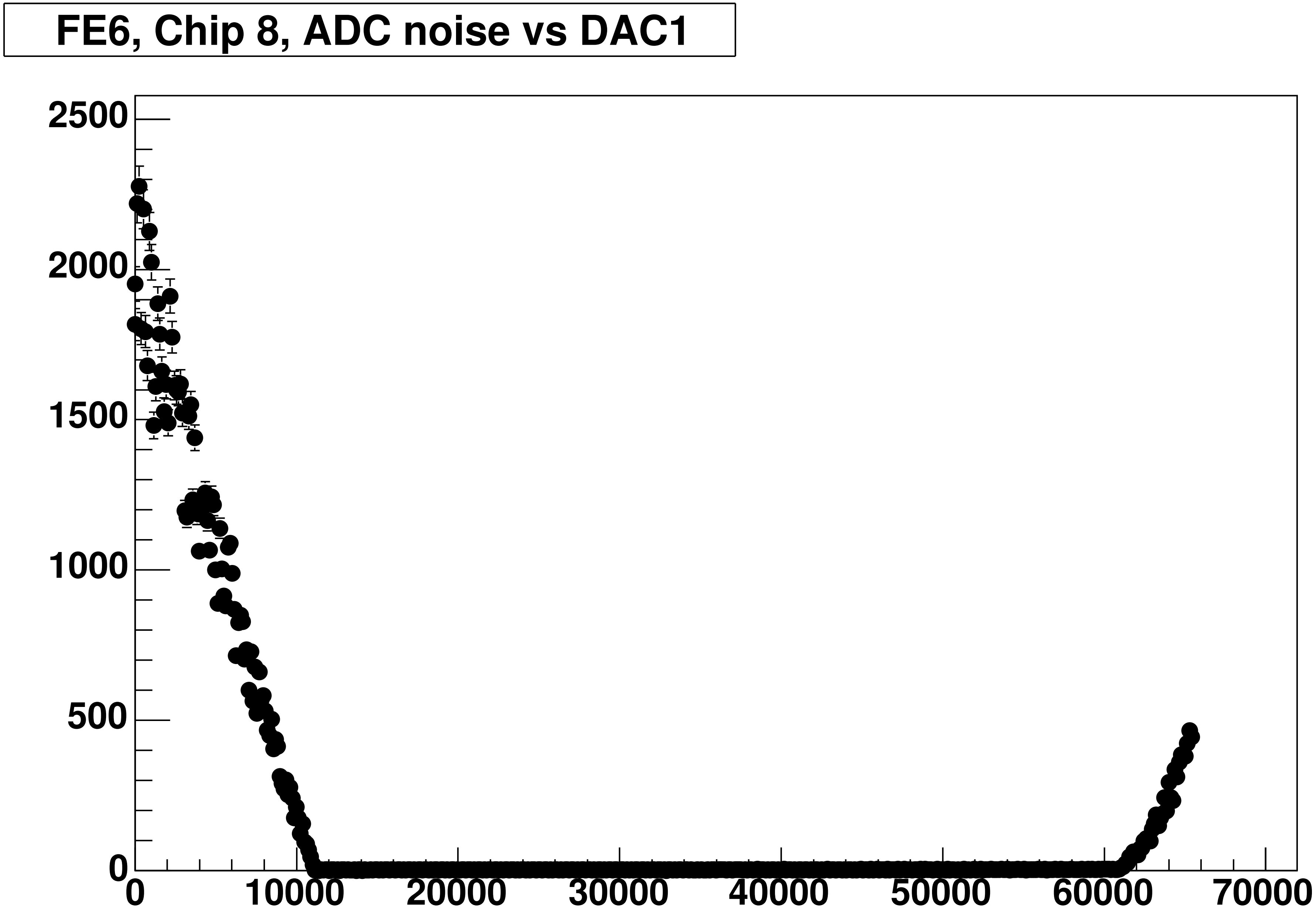


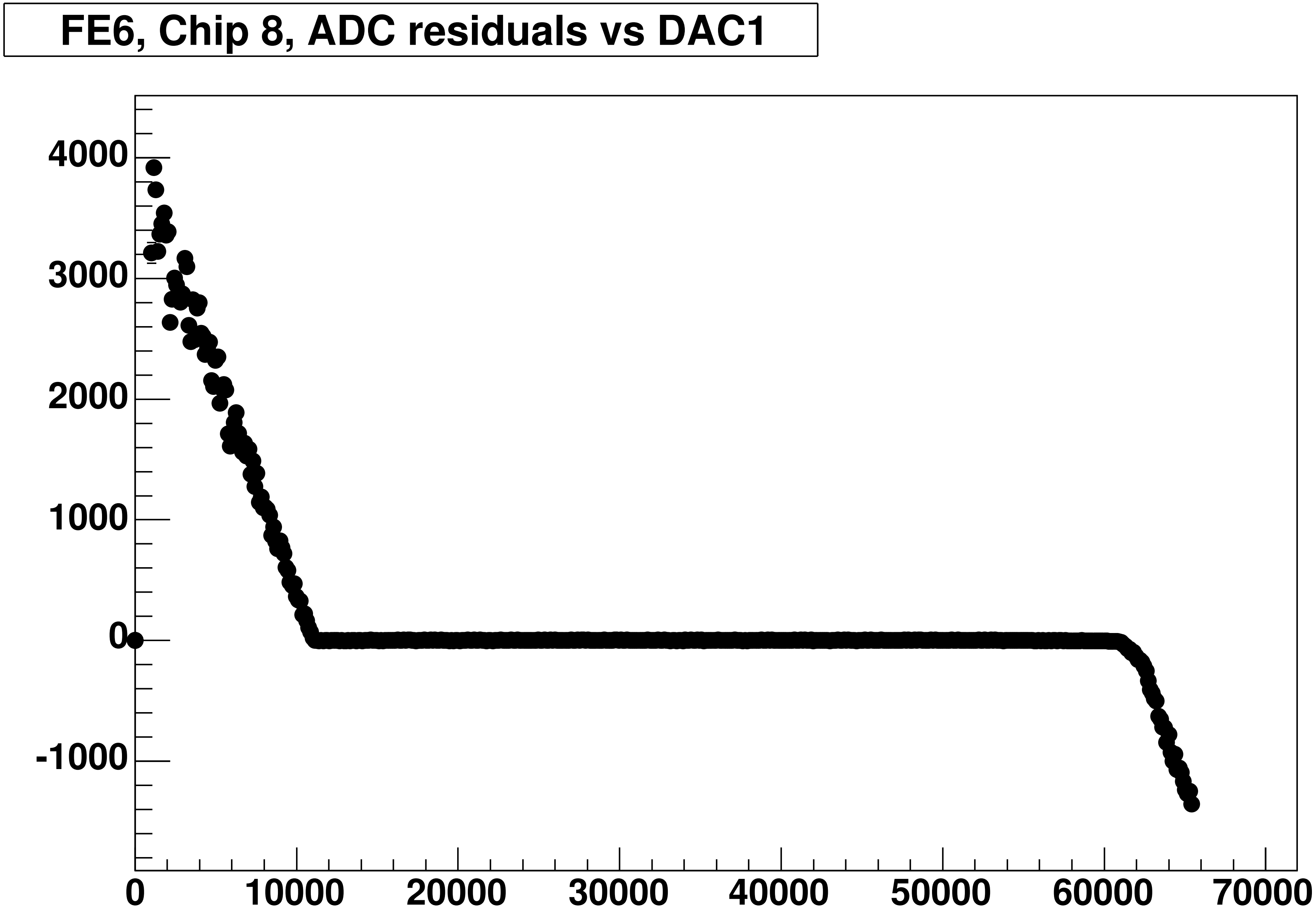
FE6, Chip 8, ADC mean vs DAC0
χ² / ndf 7811 / 502
p0 3982 ± 7.357
p1 -0.0002829 ± 0.0001923
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

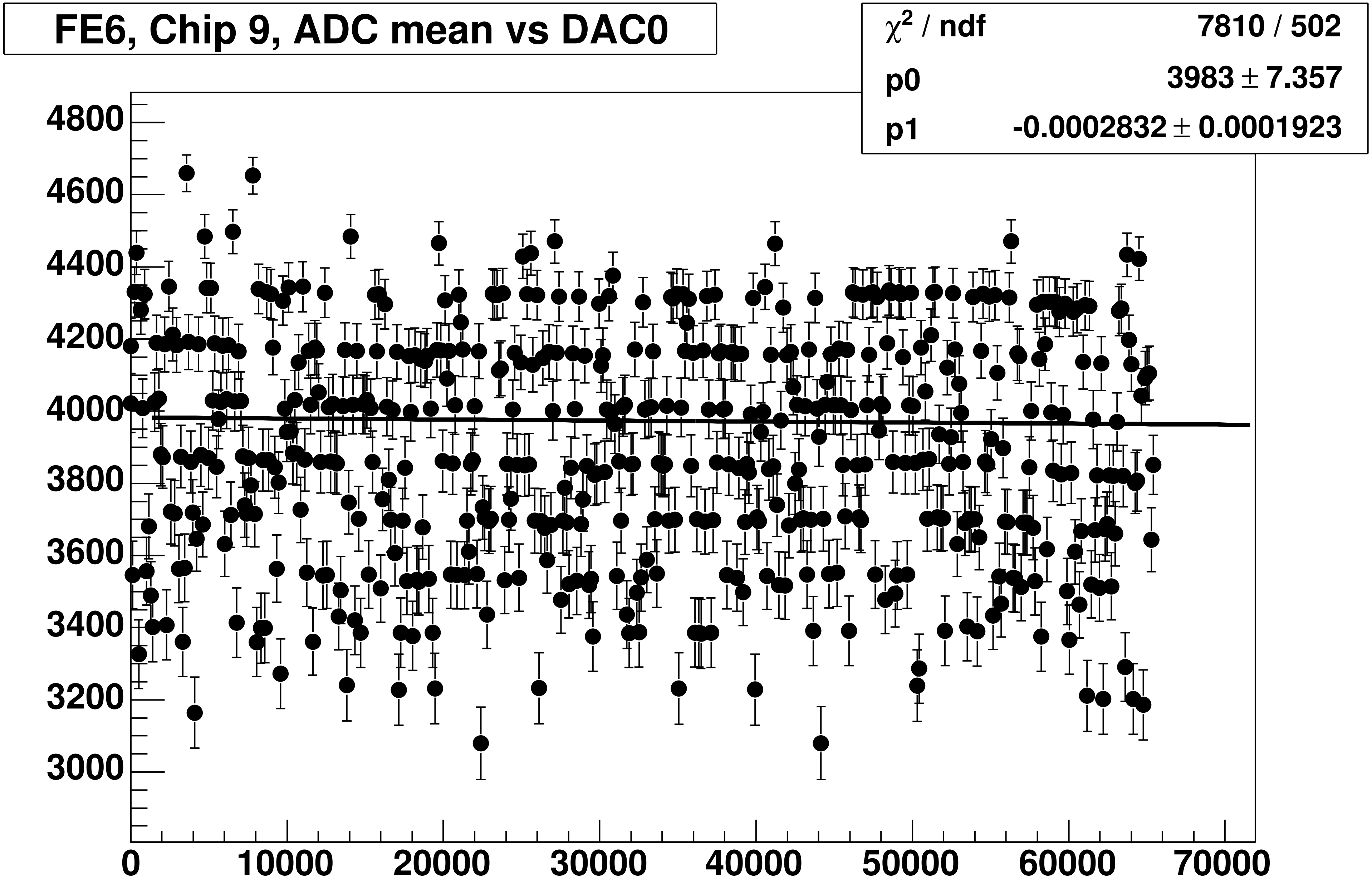

FE6, Chip 8, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

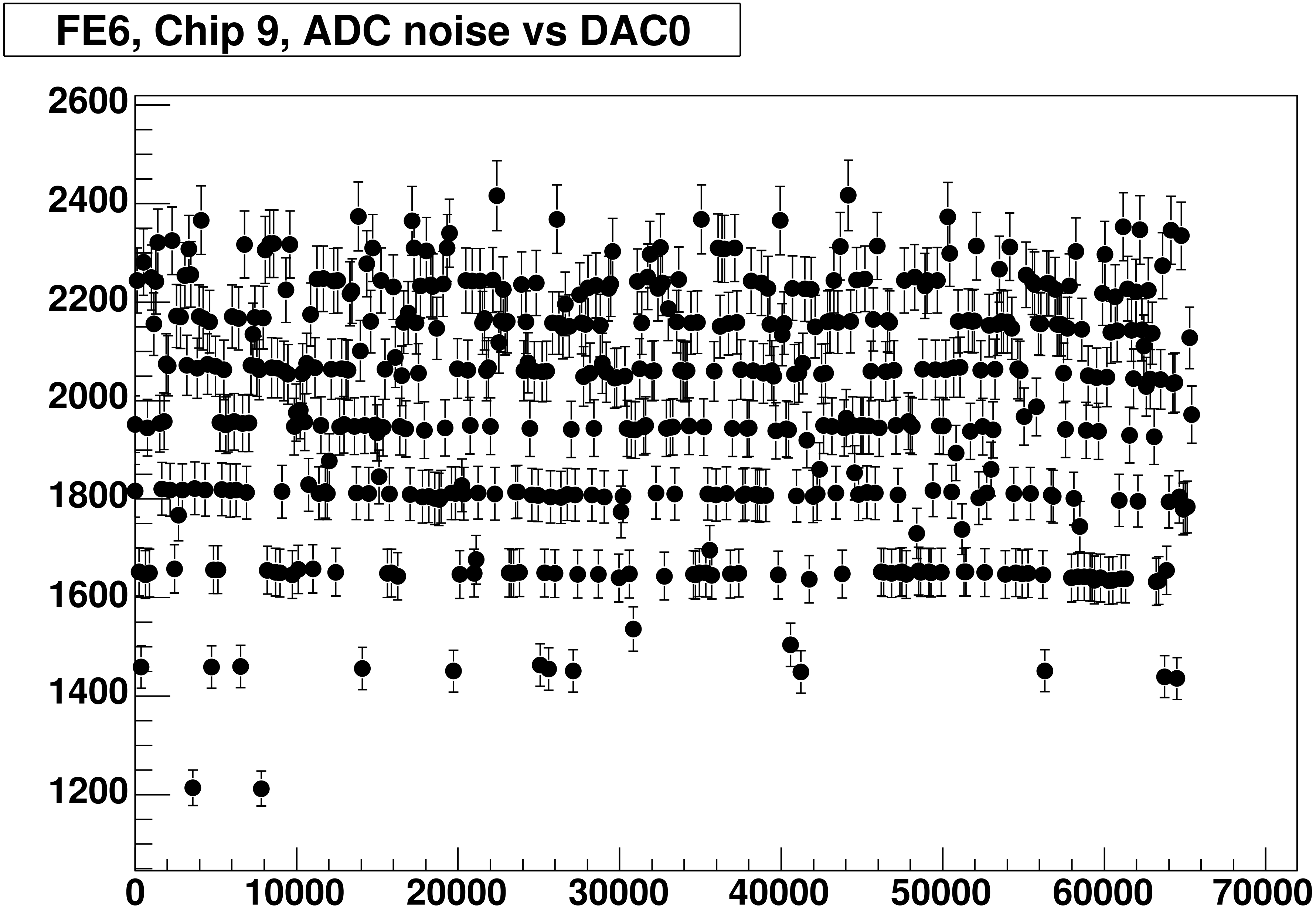

FE6, Chip 8, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

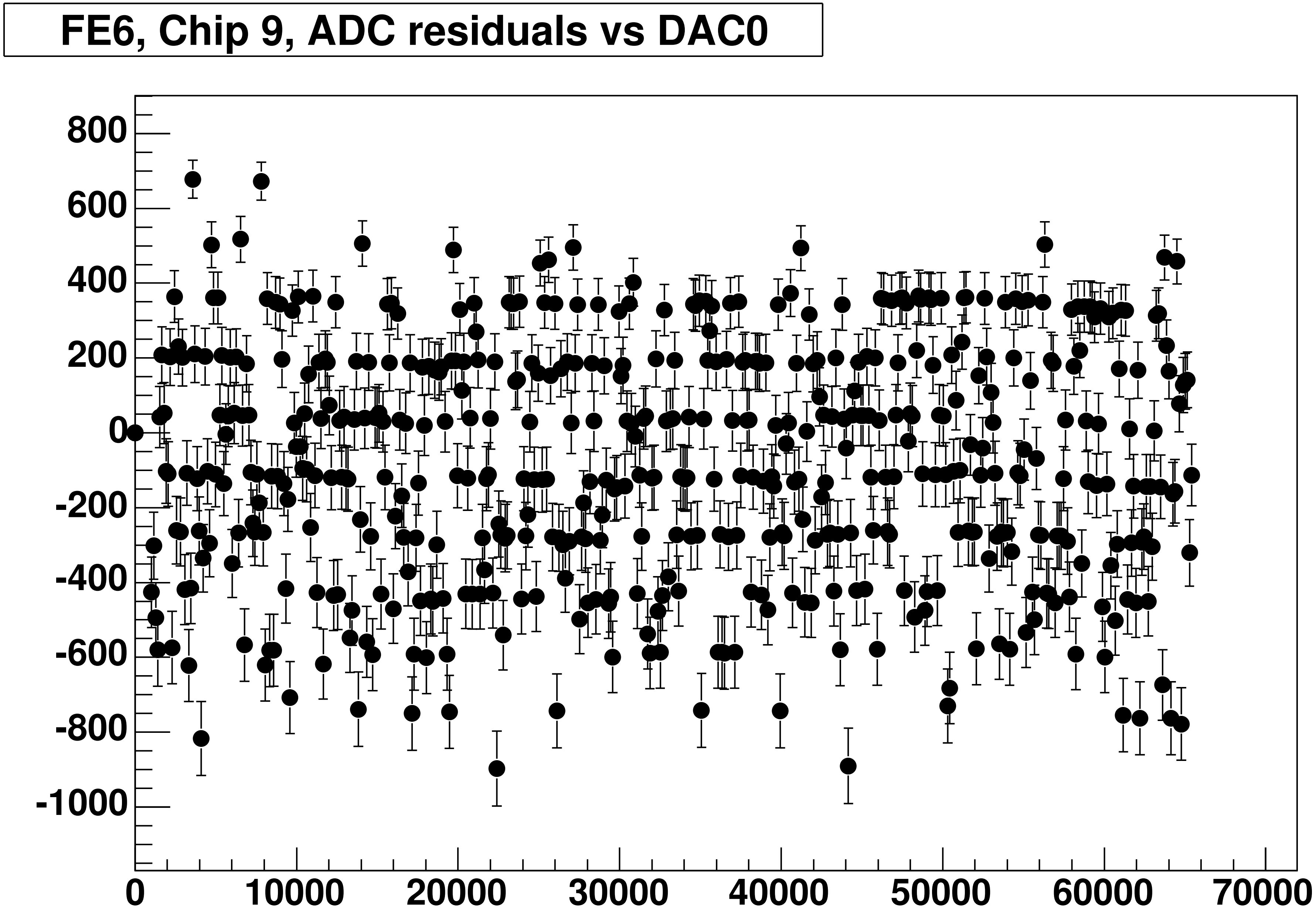

FE6, Chip 8, ADC mean vs DAC1
χ² / ndf 4.606e+05 / 502
p0 -39 ± 0.01619
p1 0.4525 ± 4.664e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

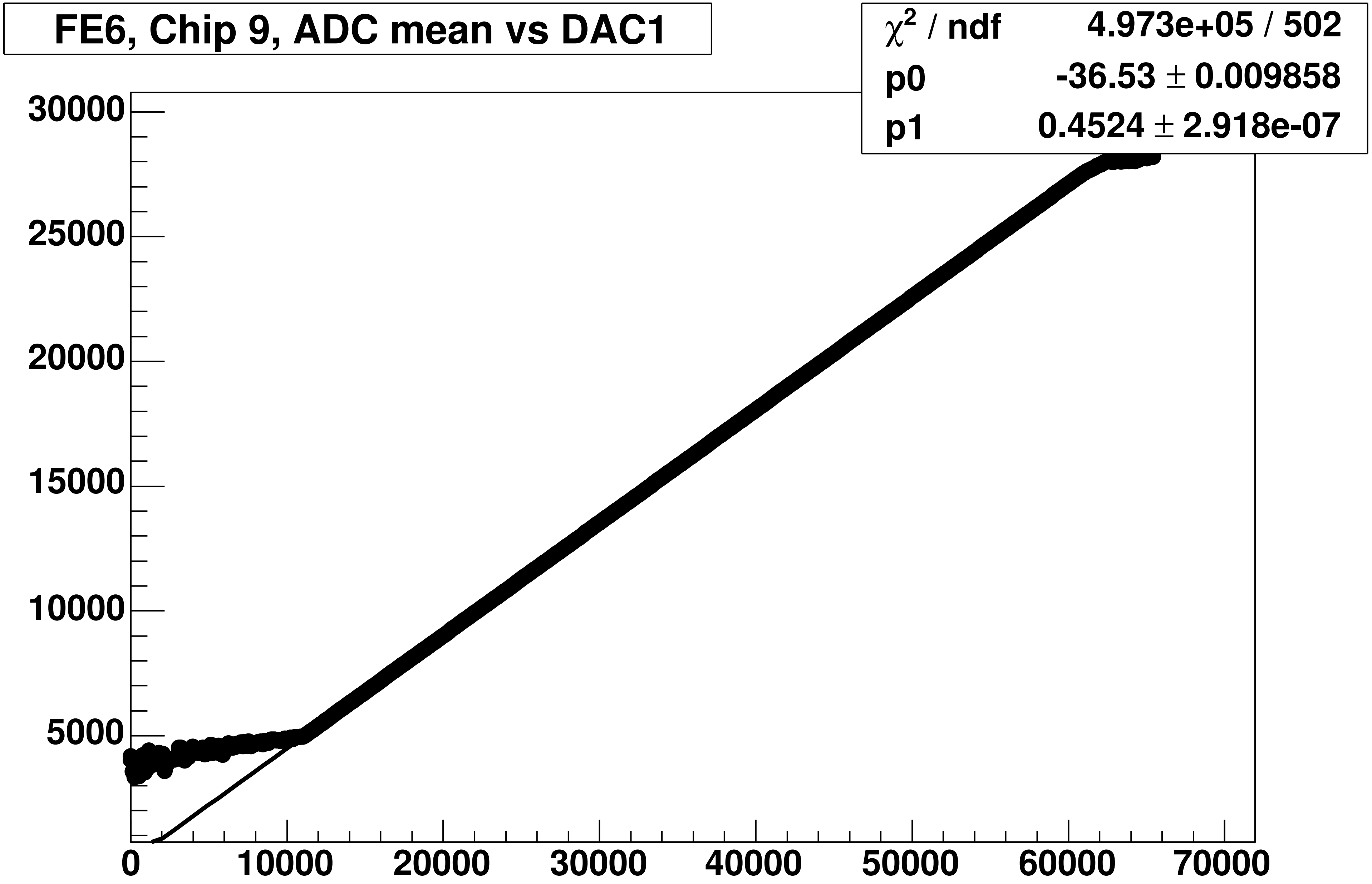

FE6, Chip 8, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 8, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 9, ADC mean vs DAC0
χ² / ndf 7810 / 502
p0 3983 ± 7.357
p1 -0.0002832 ± 0.0001923
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 9, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 9, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 9, ADC mean vs DAC1
χ² / ndf 4.973e+05 / 502
p0 -36.53 ± 0.009858
p1 0.4524 ± 2.918e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
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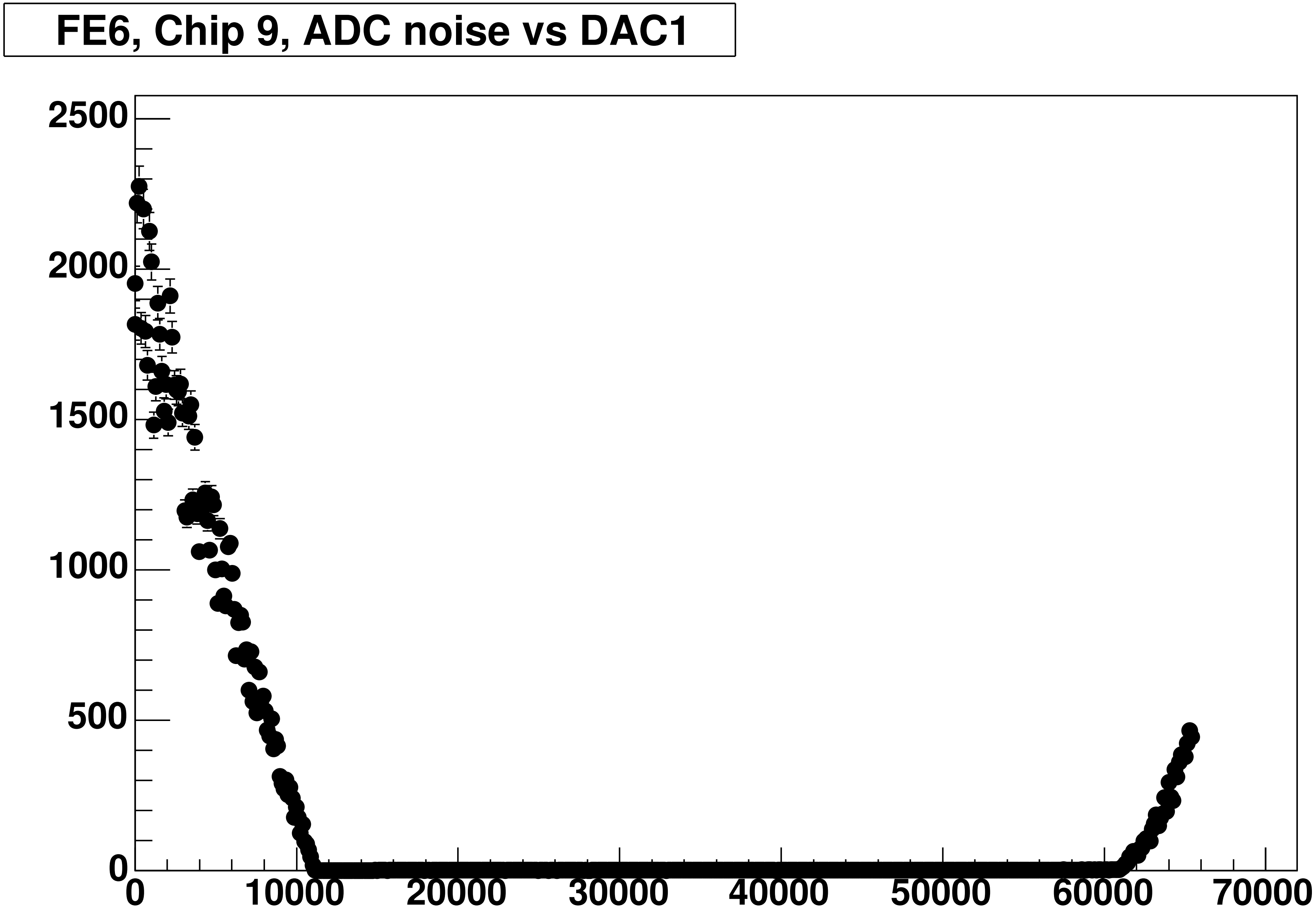
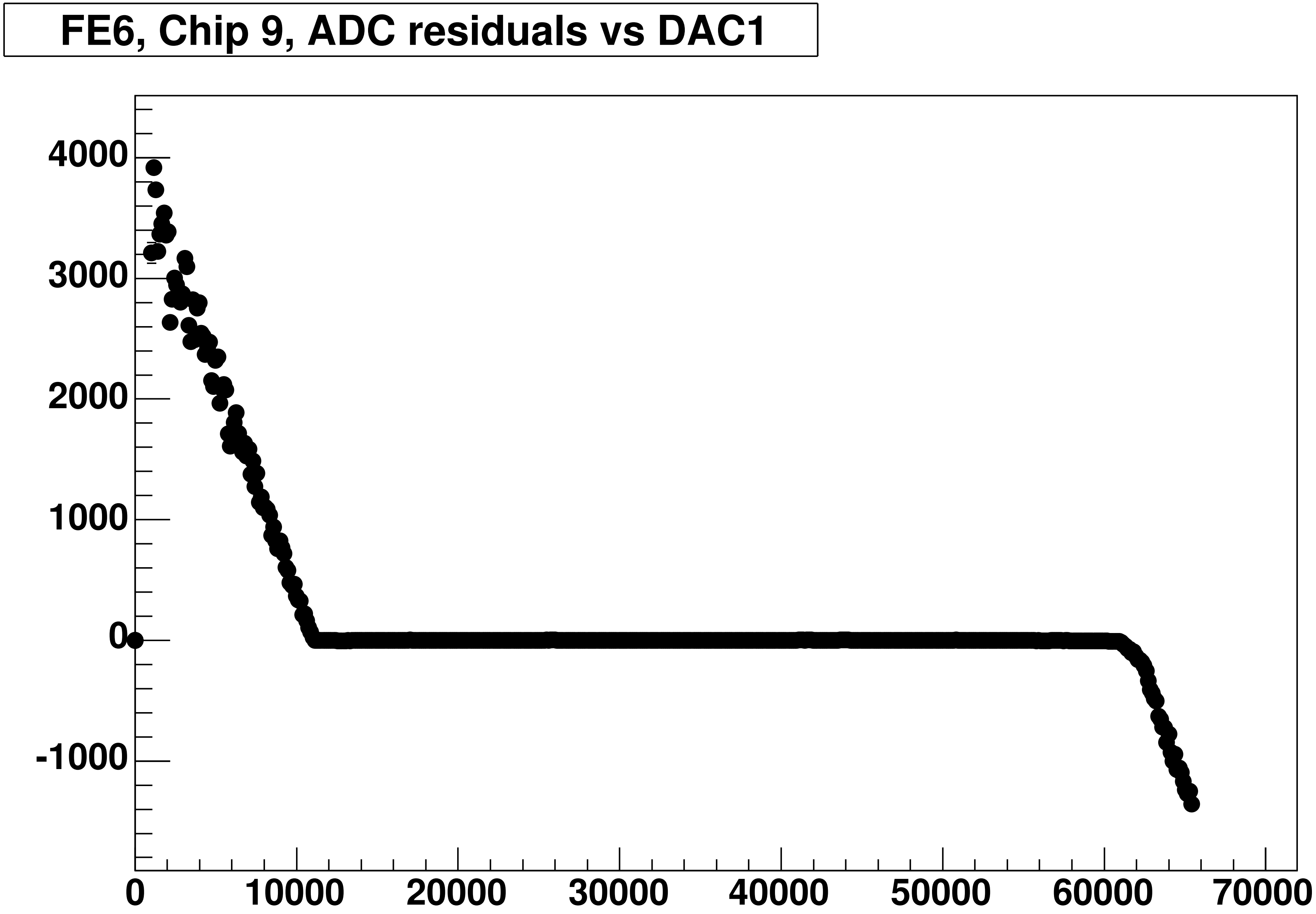
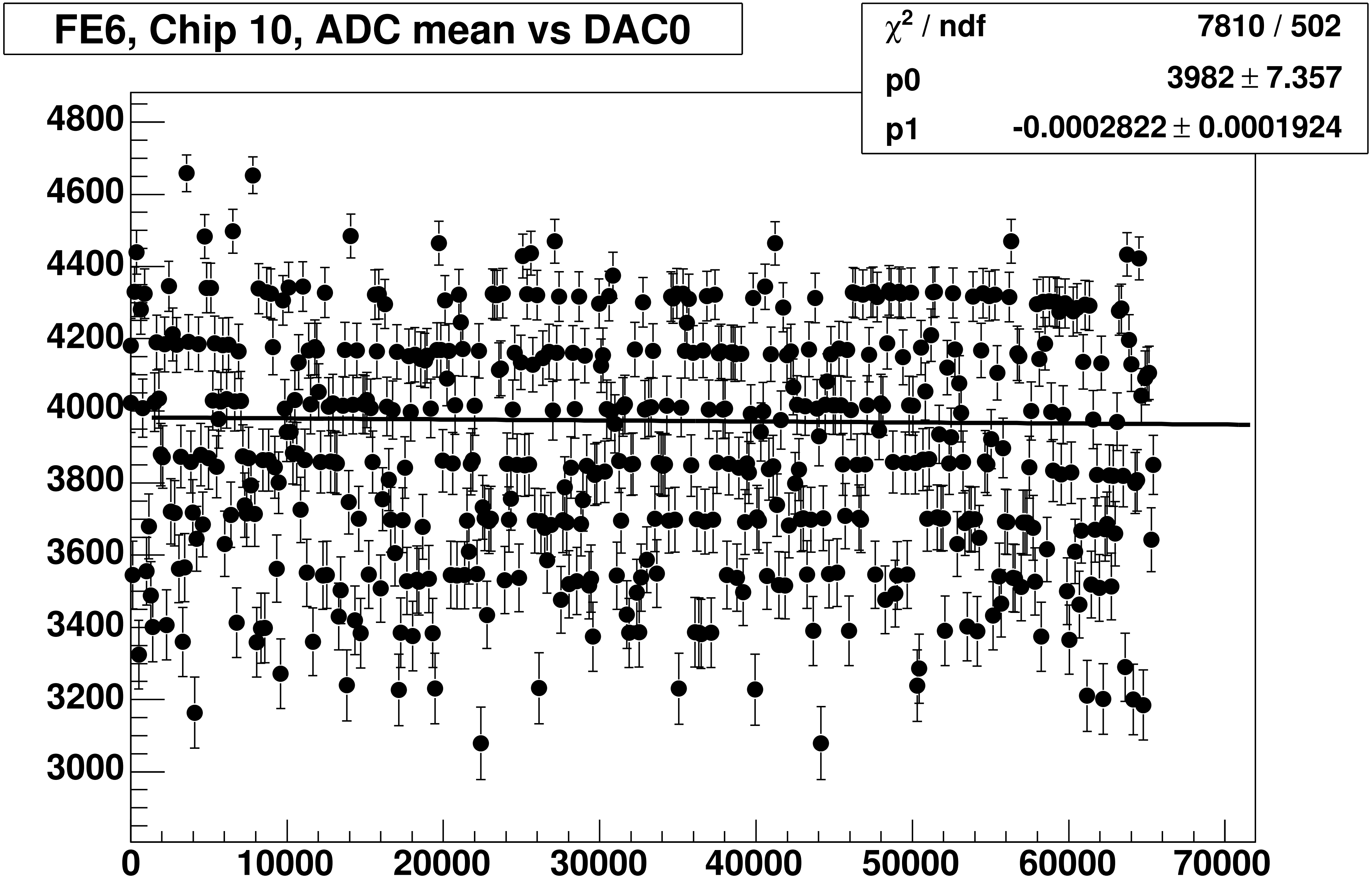
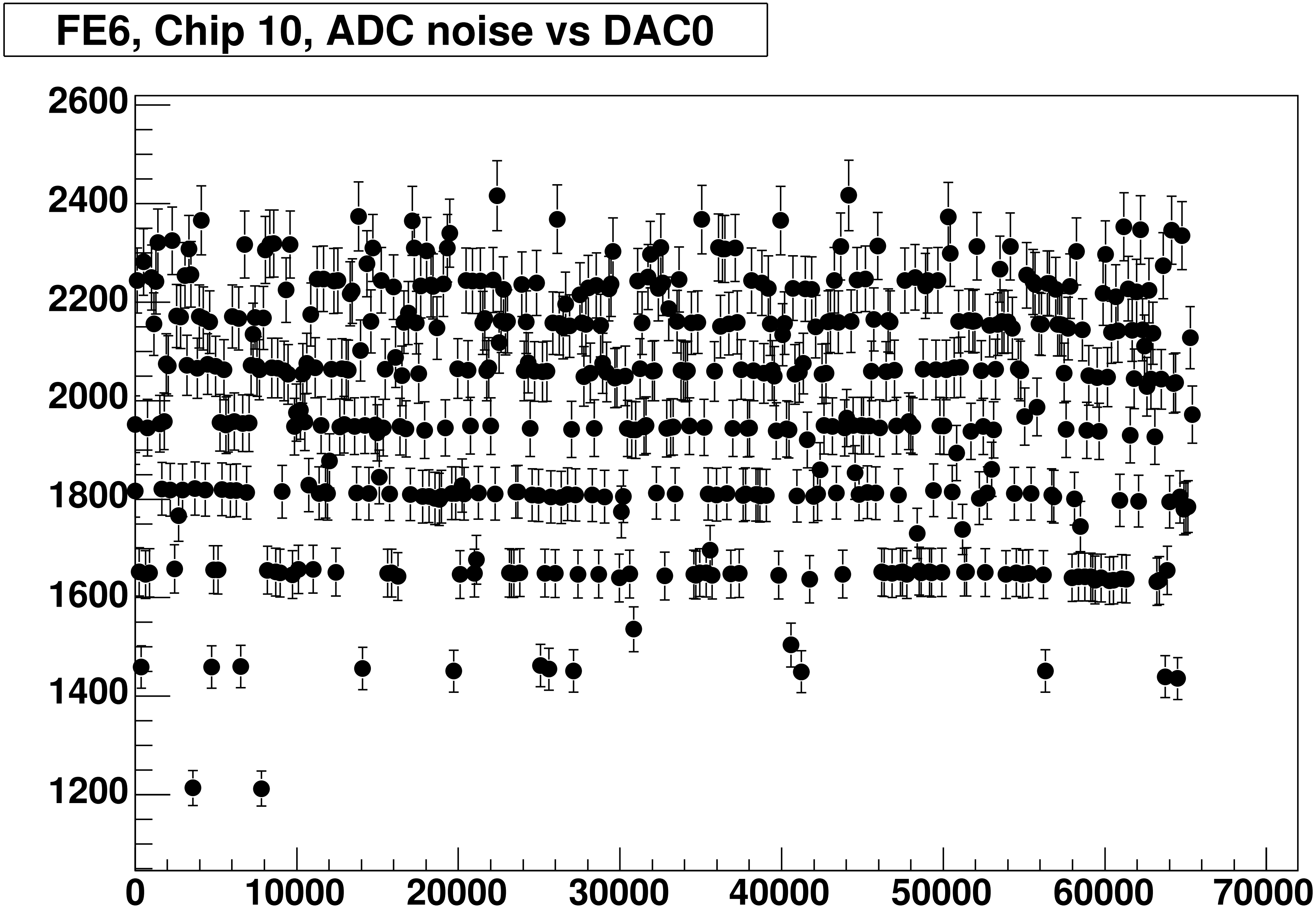
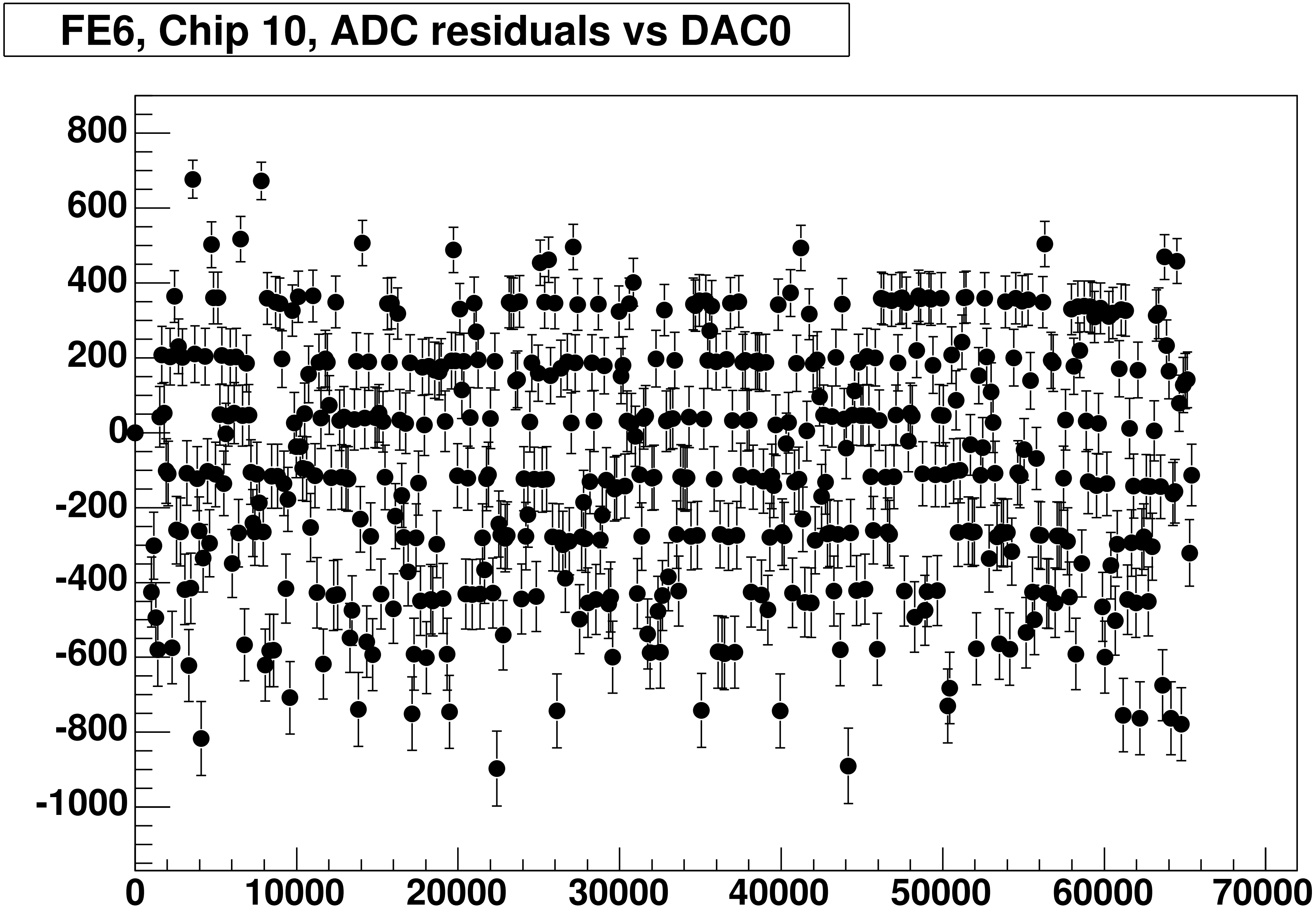

FE6, Chip 9, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

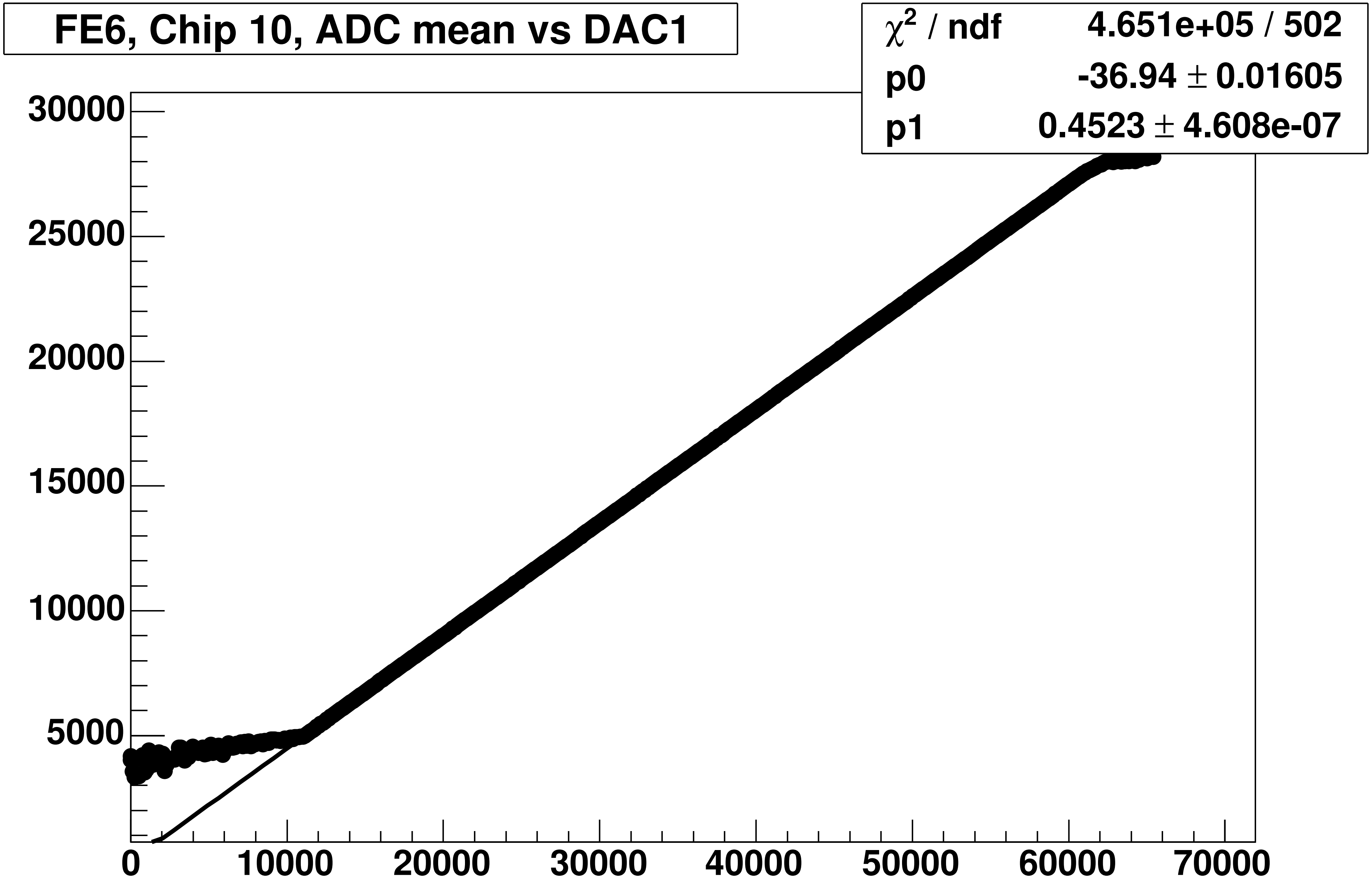

FE6, Chip 9, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

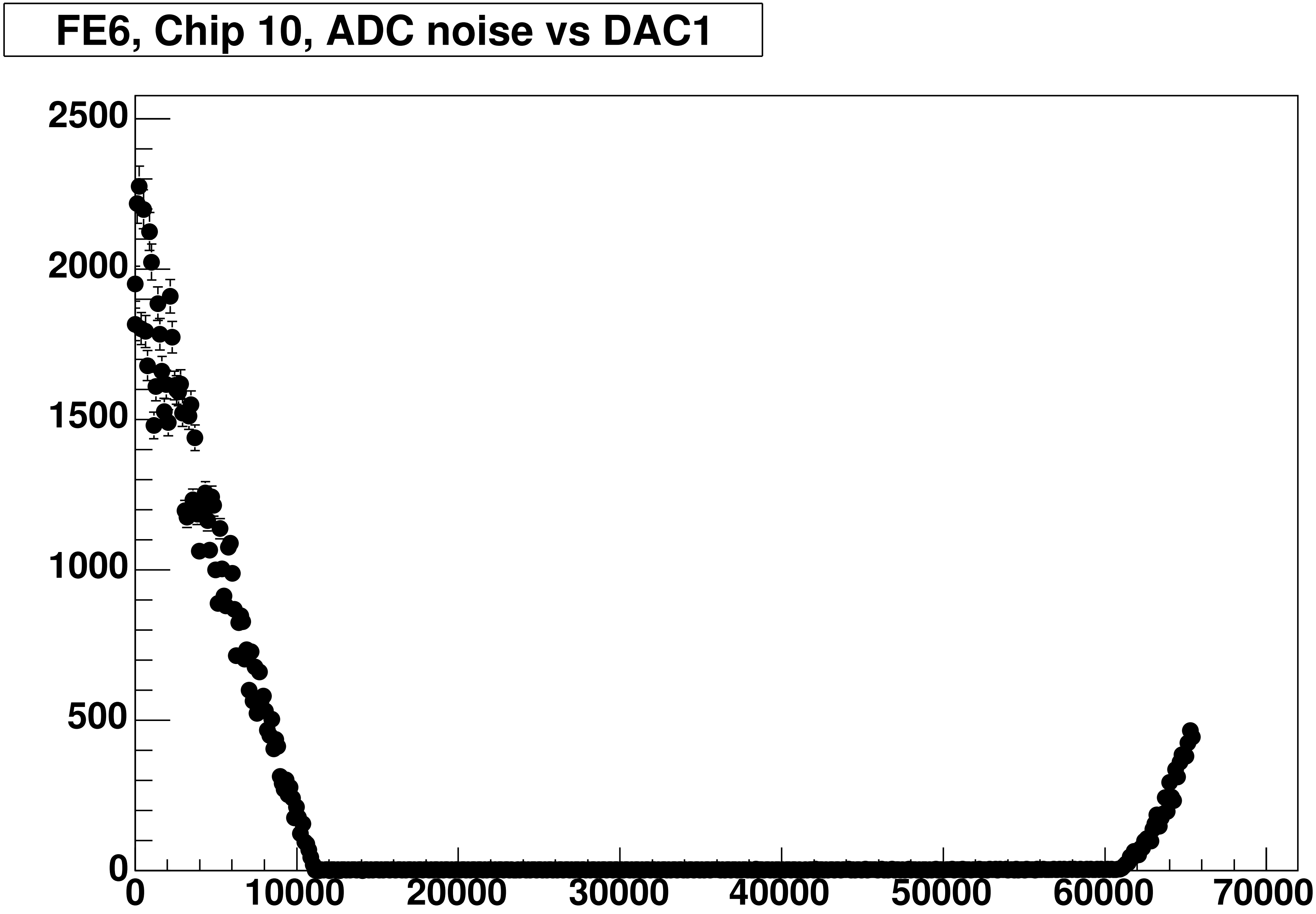


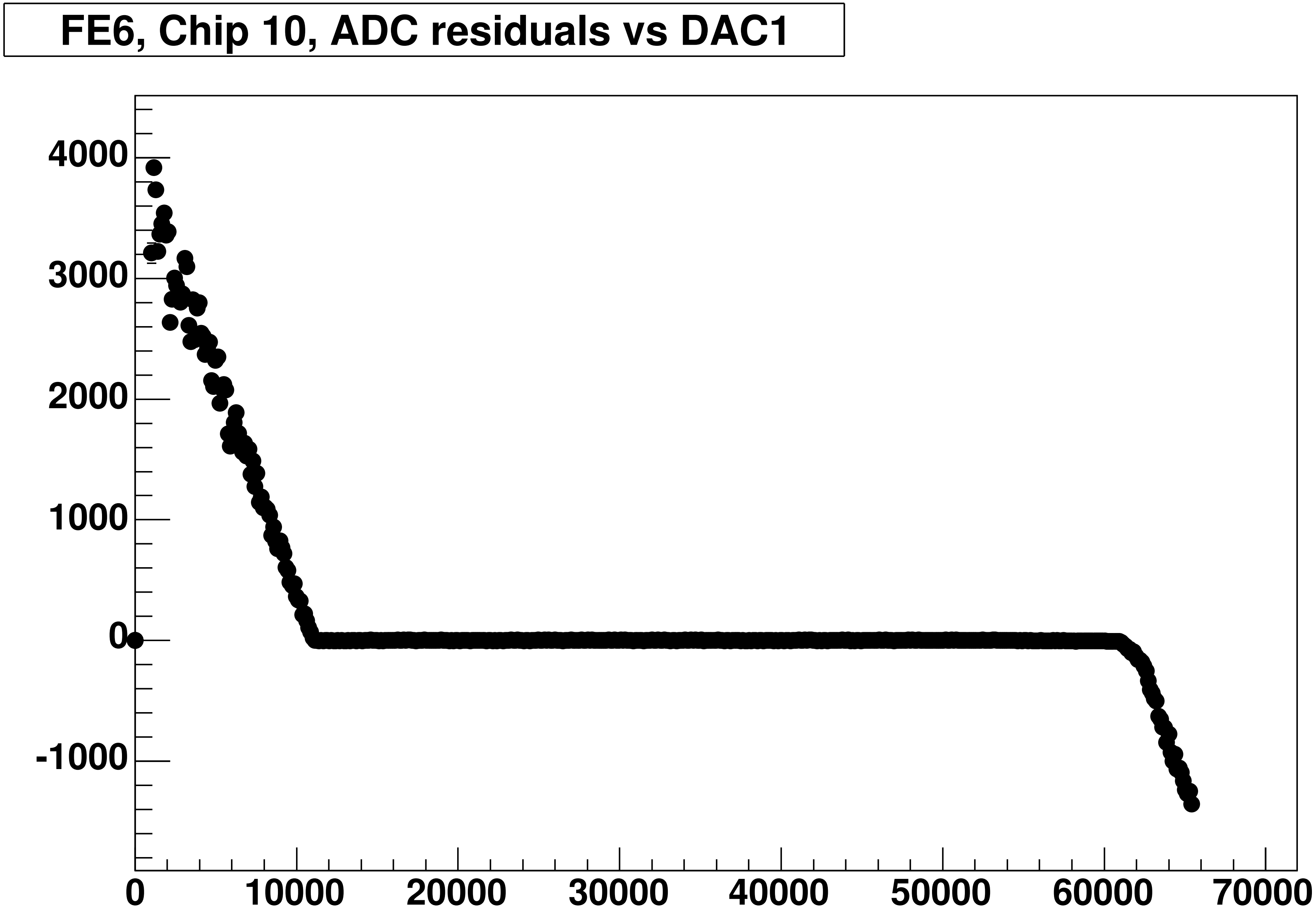
FE6, Chip 10, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 3982 ± 7.357
p1 -0.0002822 ± 0.0001924
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

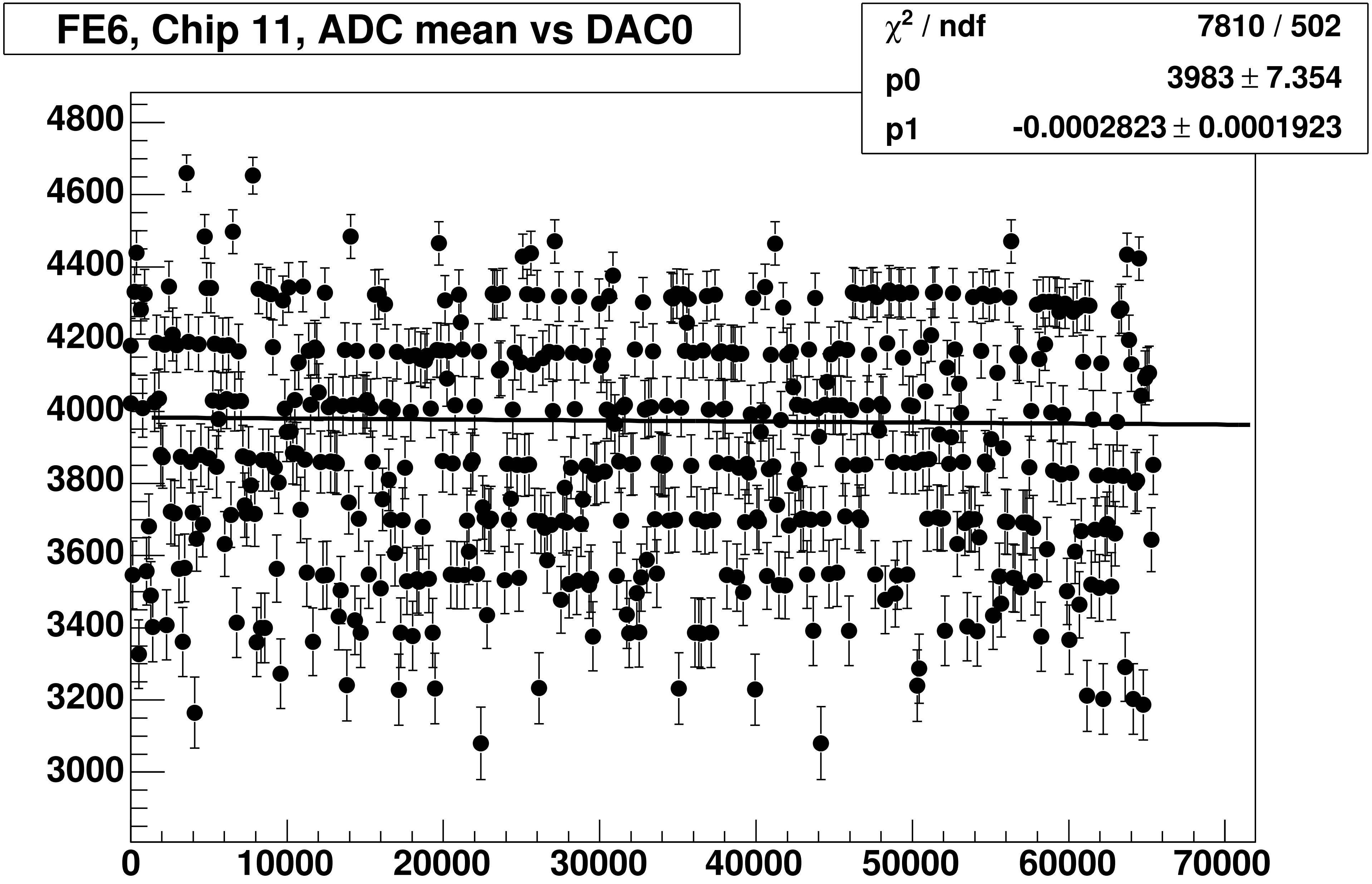

FE6, Chip 10, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 10, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

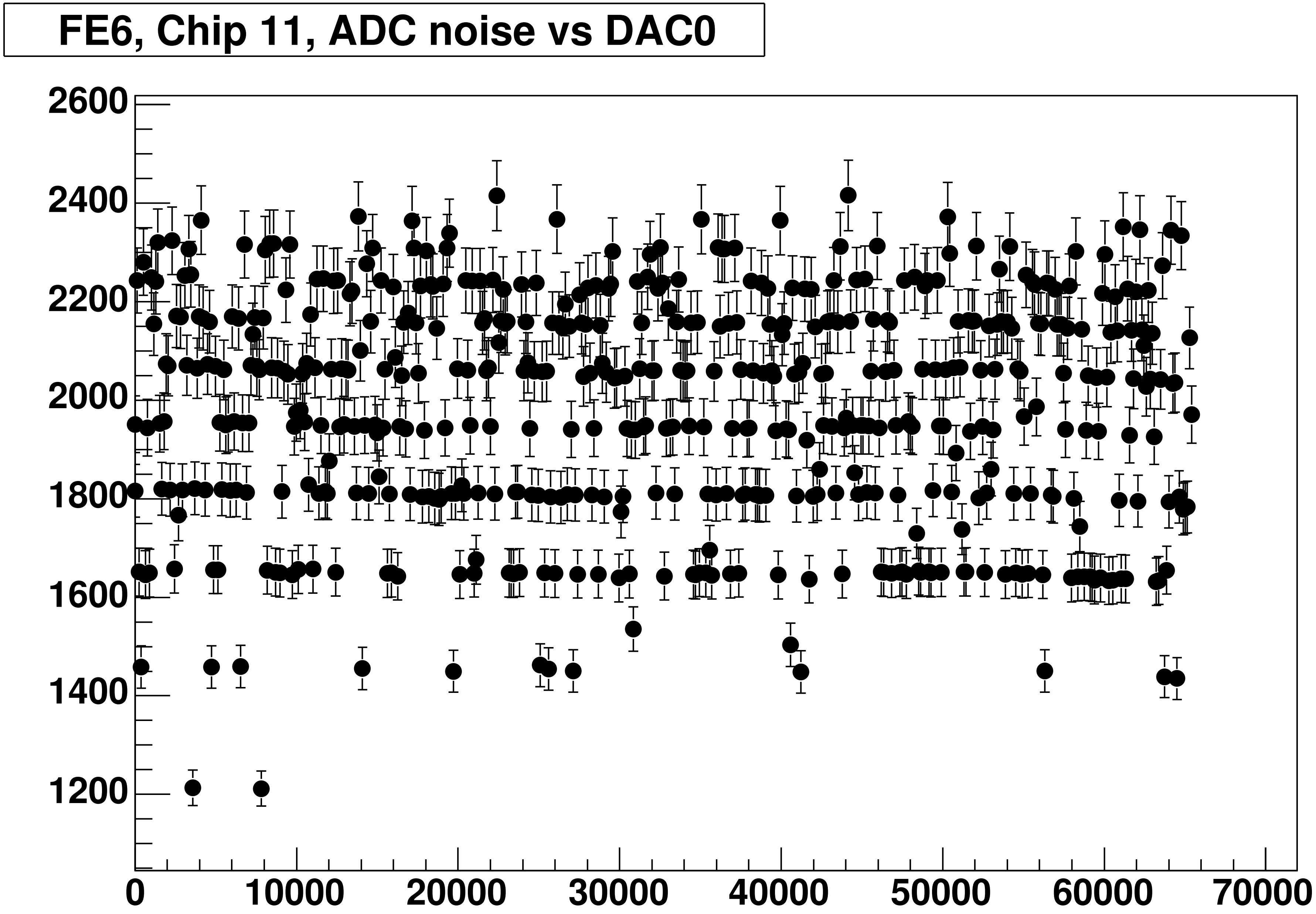

FE6, Chip 10, ADC mean vs DAC1
χ² / ndf 4.651e+05 / 502
p0 -36.94 ± 0.01605
p1 0.4523 ± 4.608e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

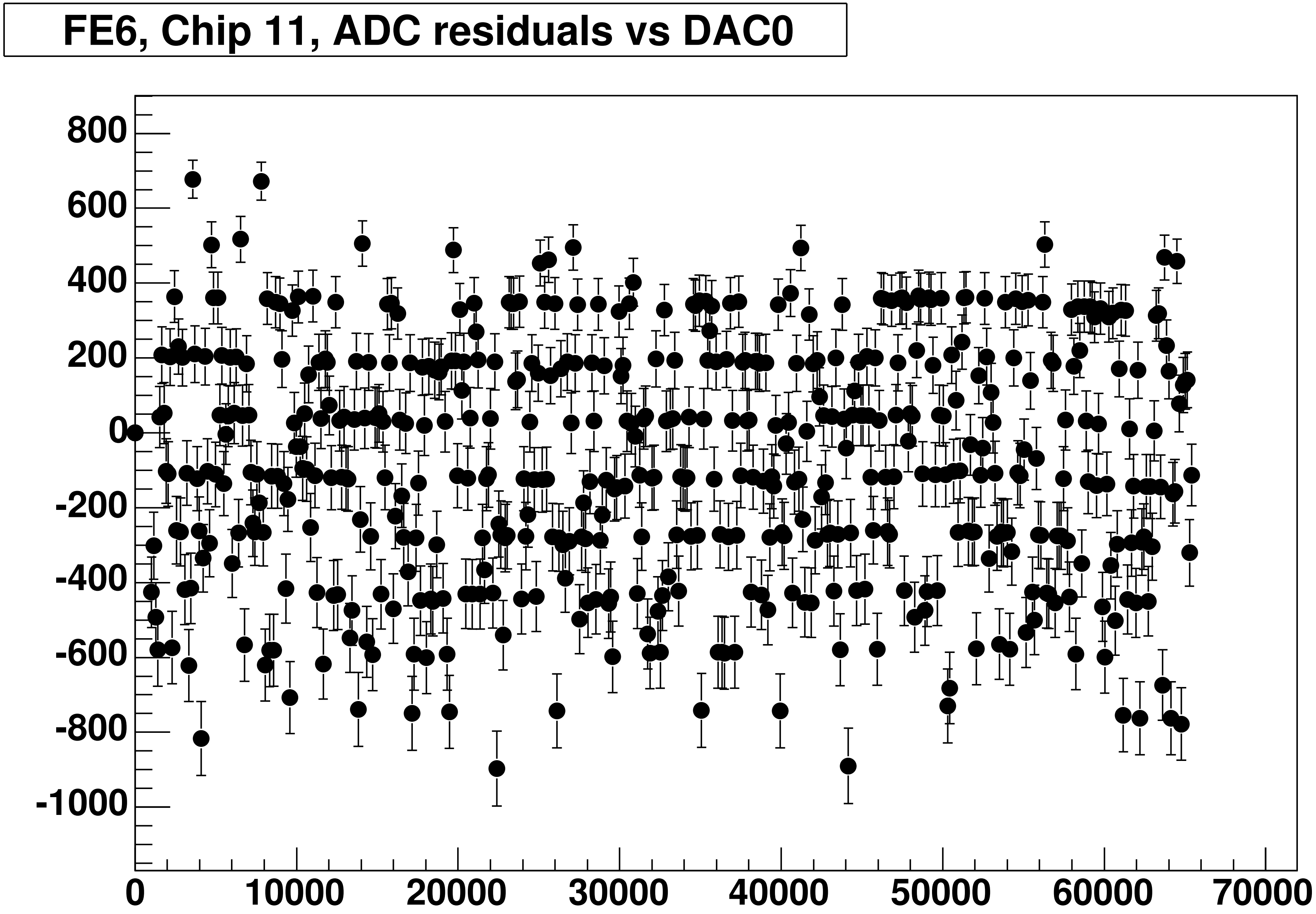

FE6, Chip 10, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

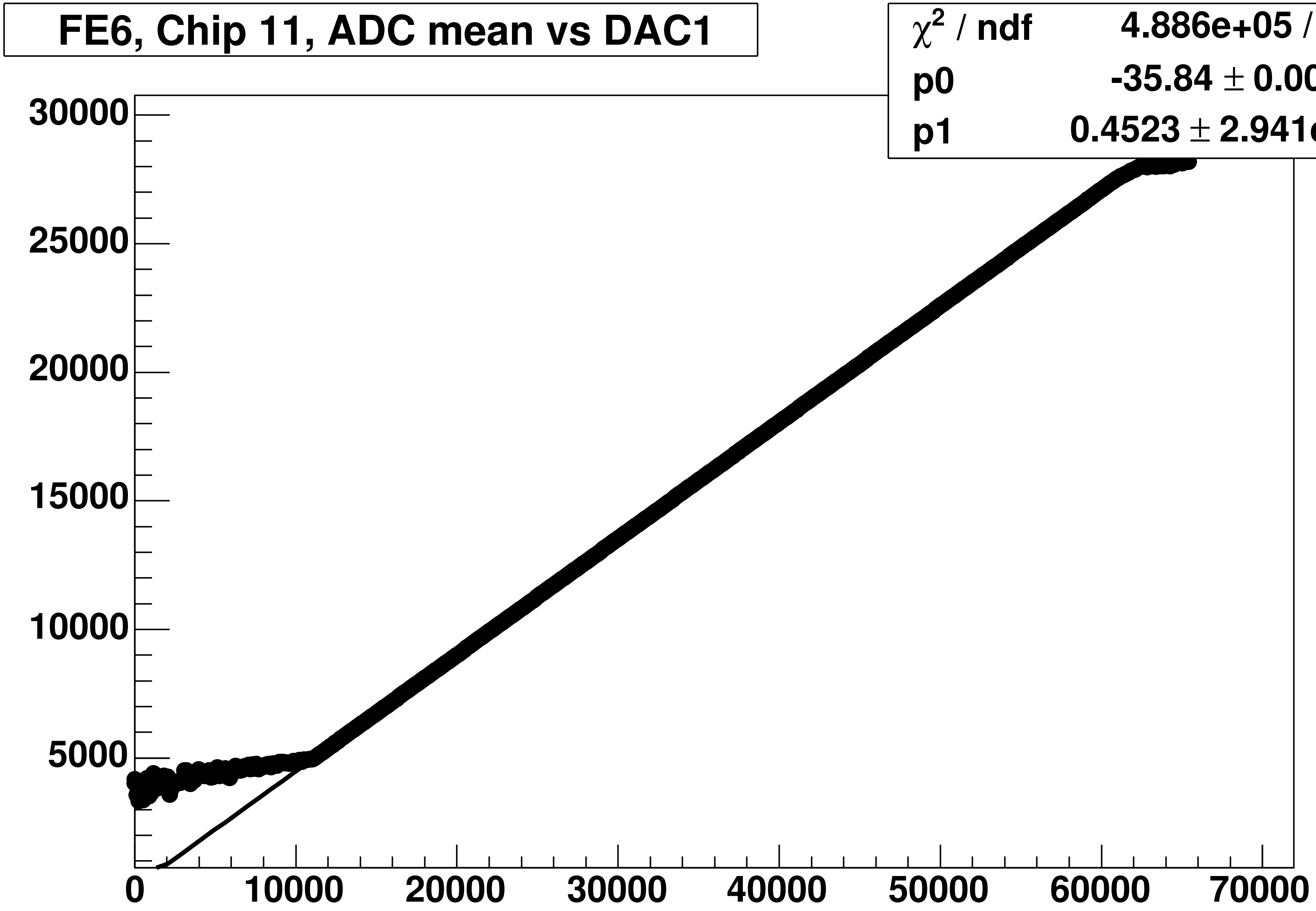

FE6, Chip 10, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



FE6, Chip 11, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 3983 ± 7.354
p1 -0.0002823 ± 0.0001923
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 11, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 11, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



FE6, Chip 11, ADC mean vs DAC1
χ2 / ndf 4.886e+05 / 502
p0 -35.84 ± 0.00995
p1 0.4523 ± 2.941e-07
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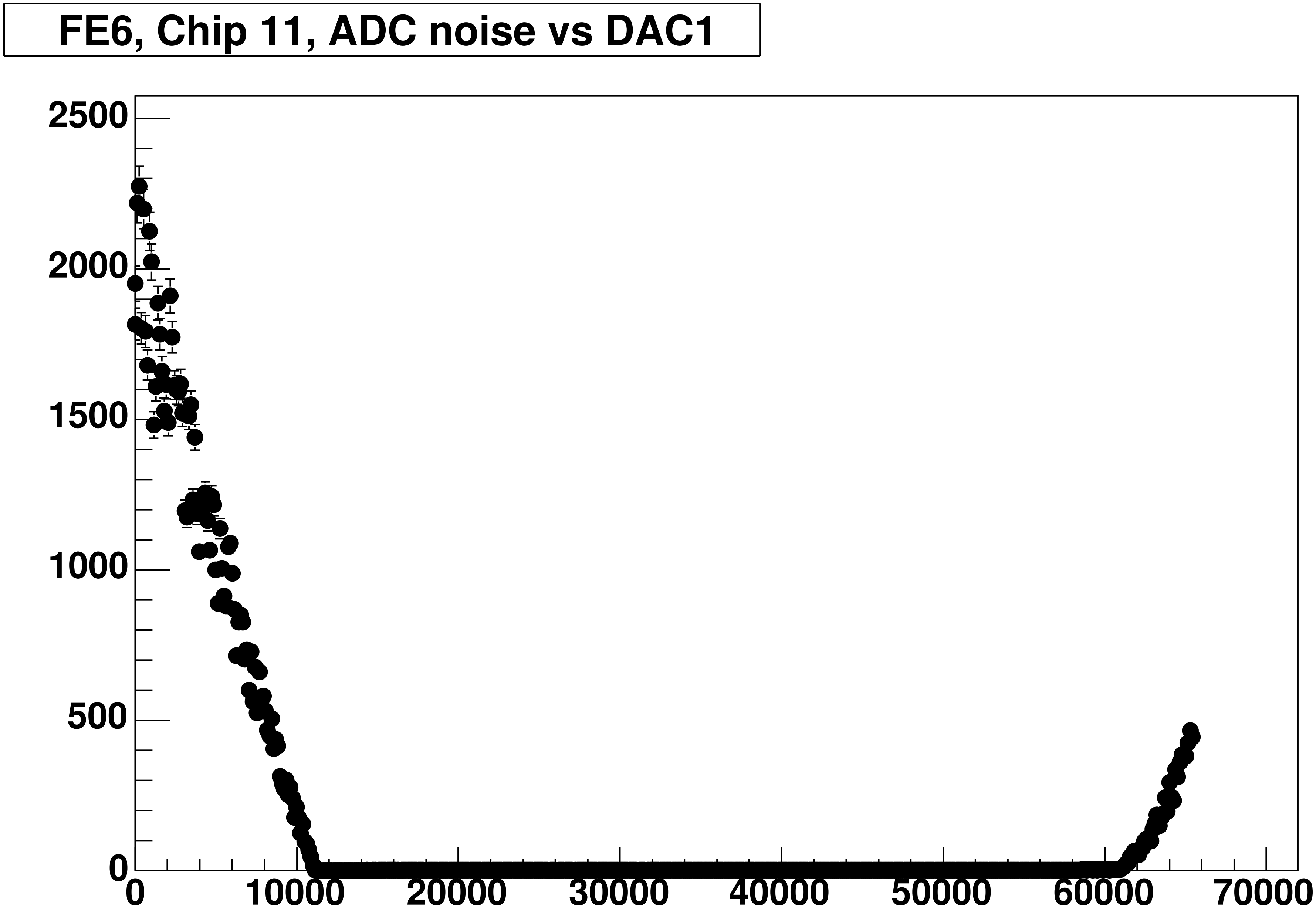
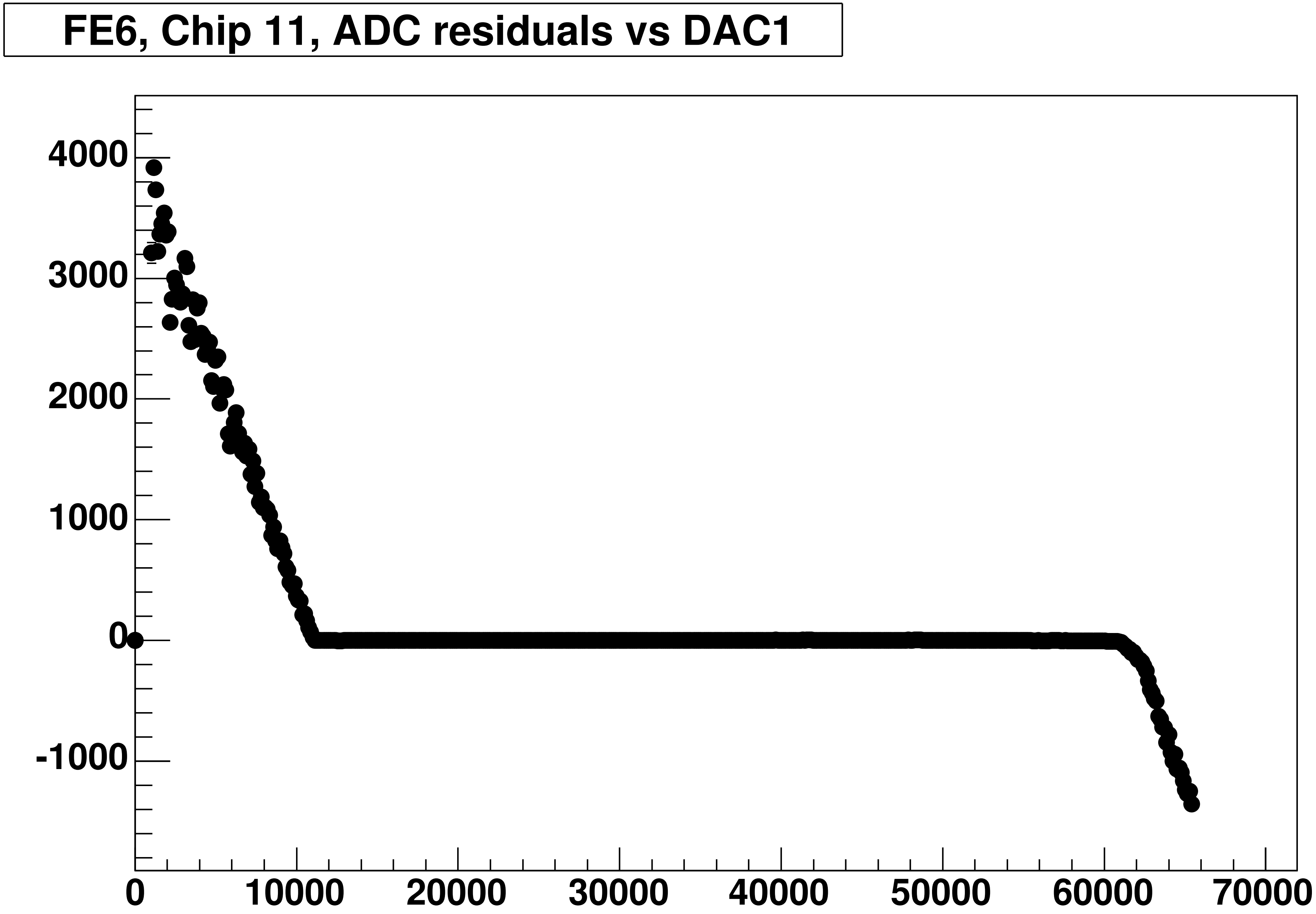
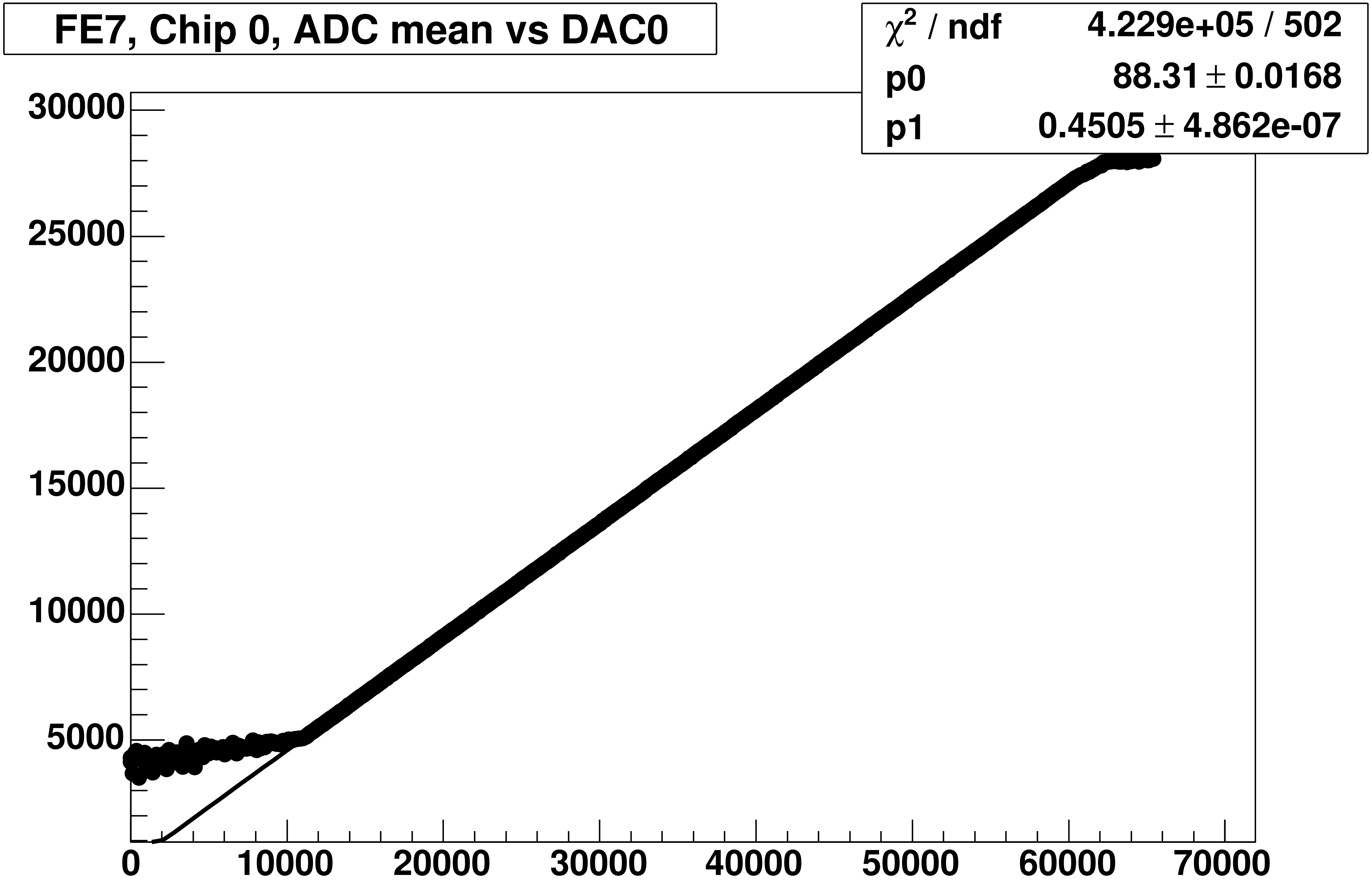
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 11, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE6, Chip 11, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



FE7, Chip 0, ADC mean vs DAC0
χ^2 / ndf 4.229e+05 / 502
p0 88.31 ± 0.0168
p1 0.4505 ± 4.862e-07
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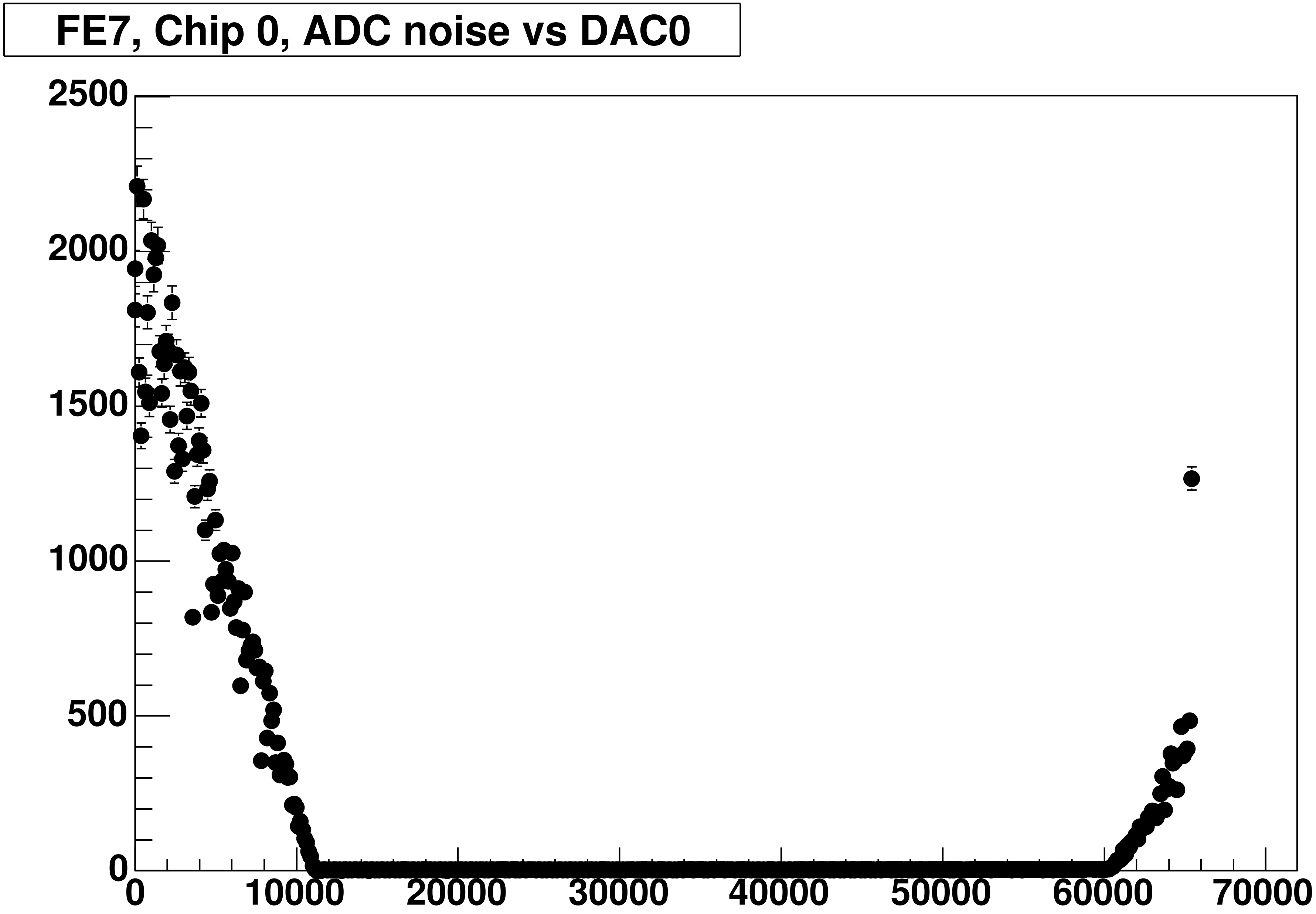
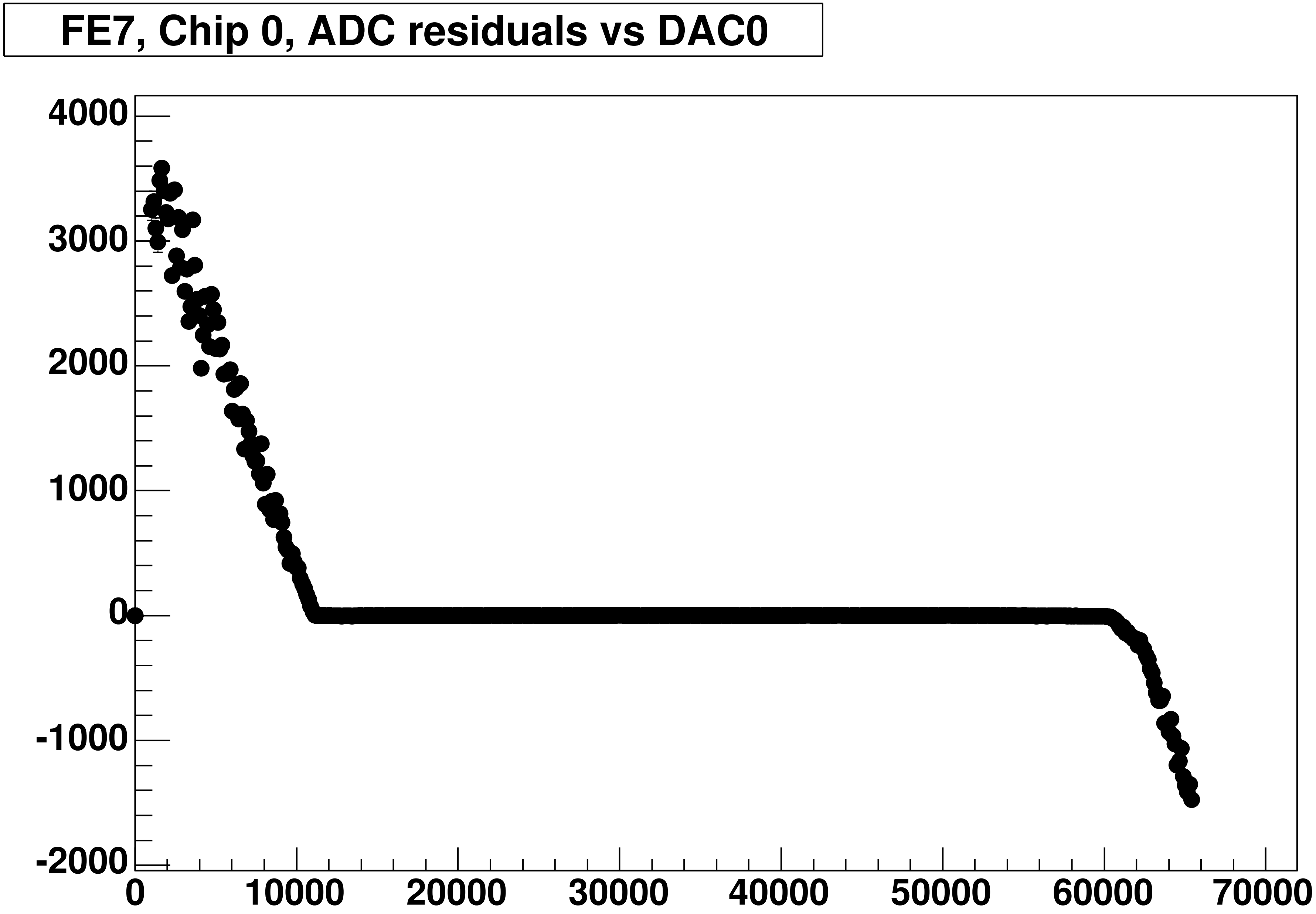
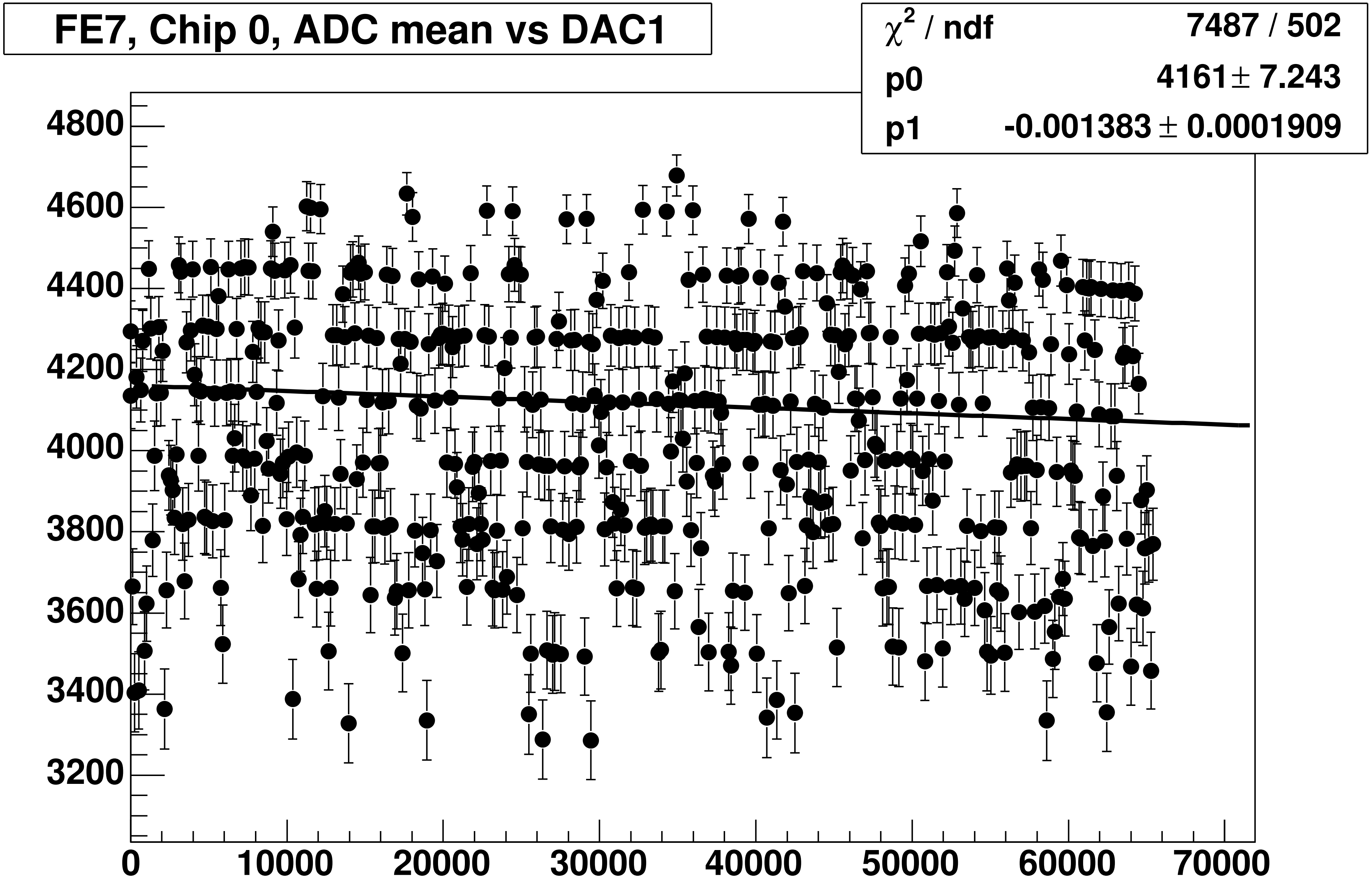
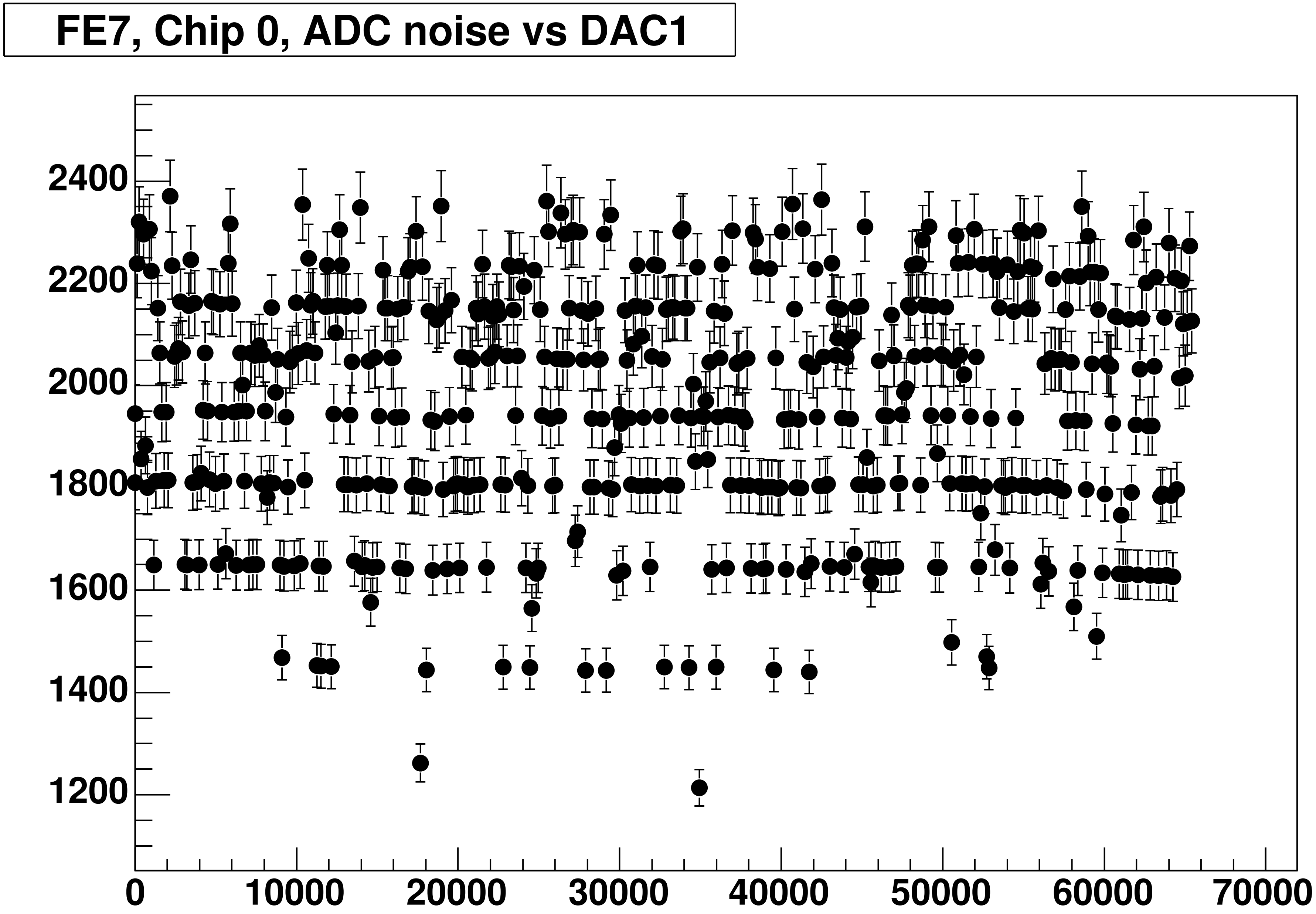
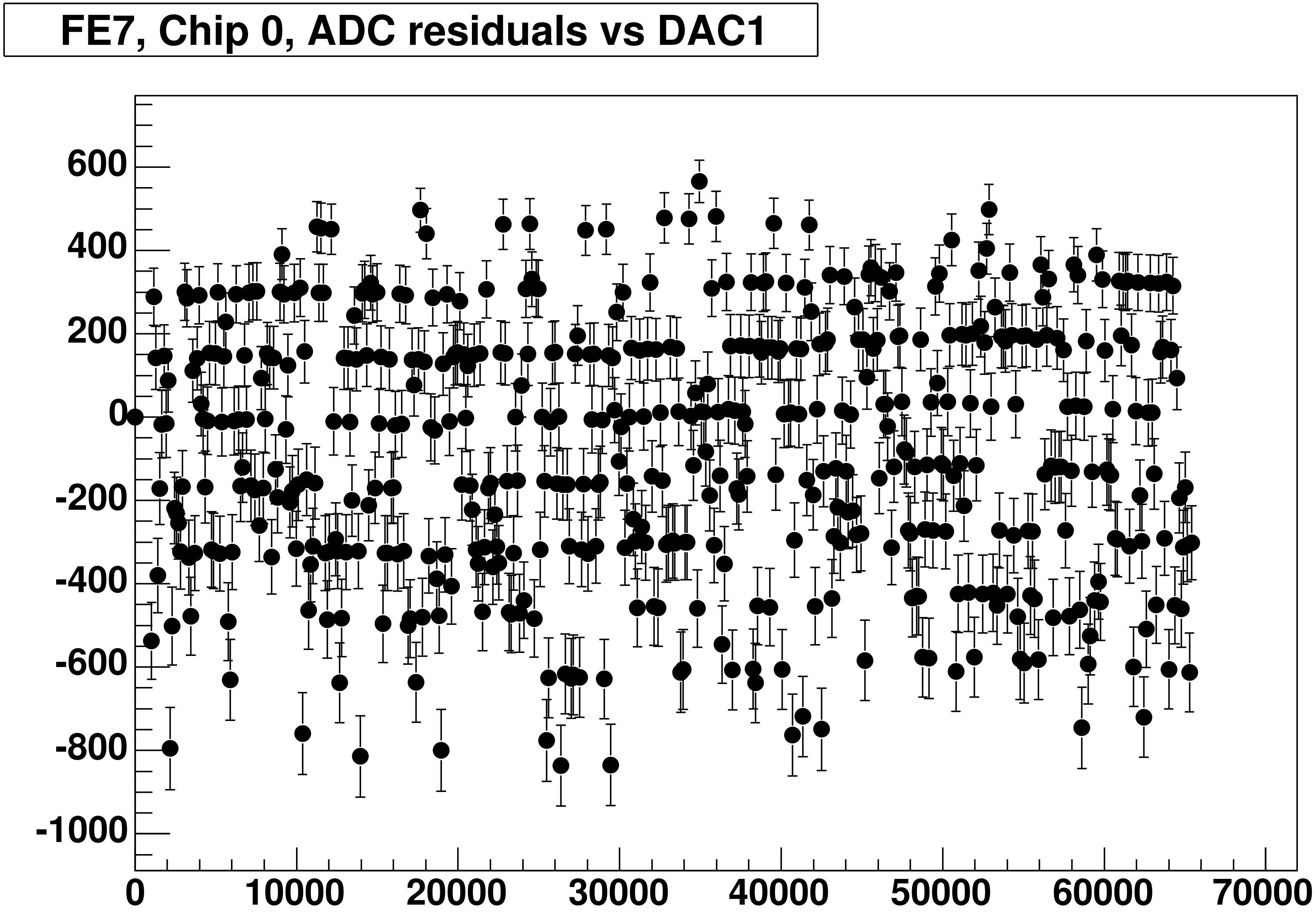
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

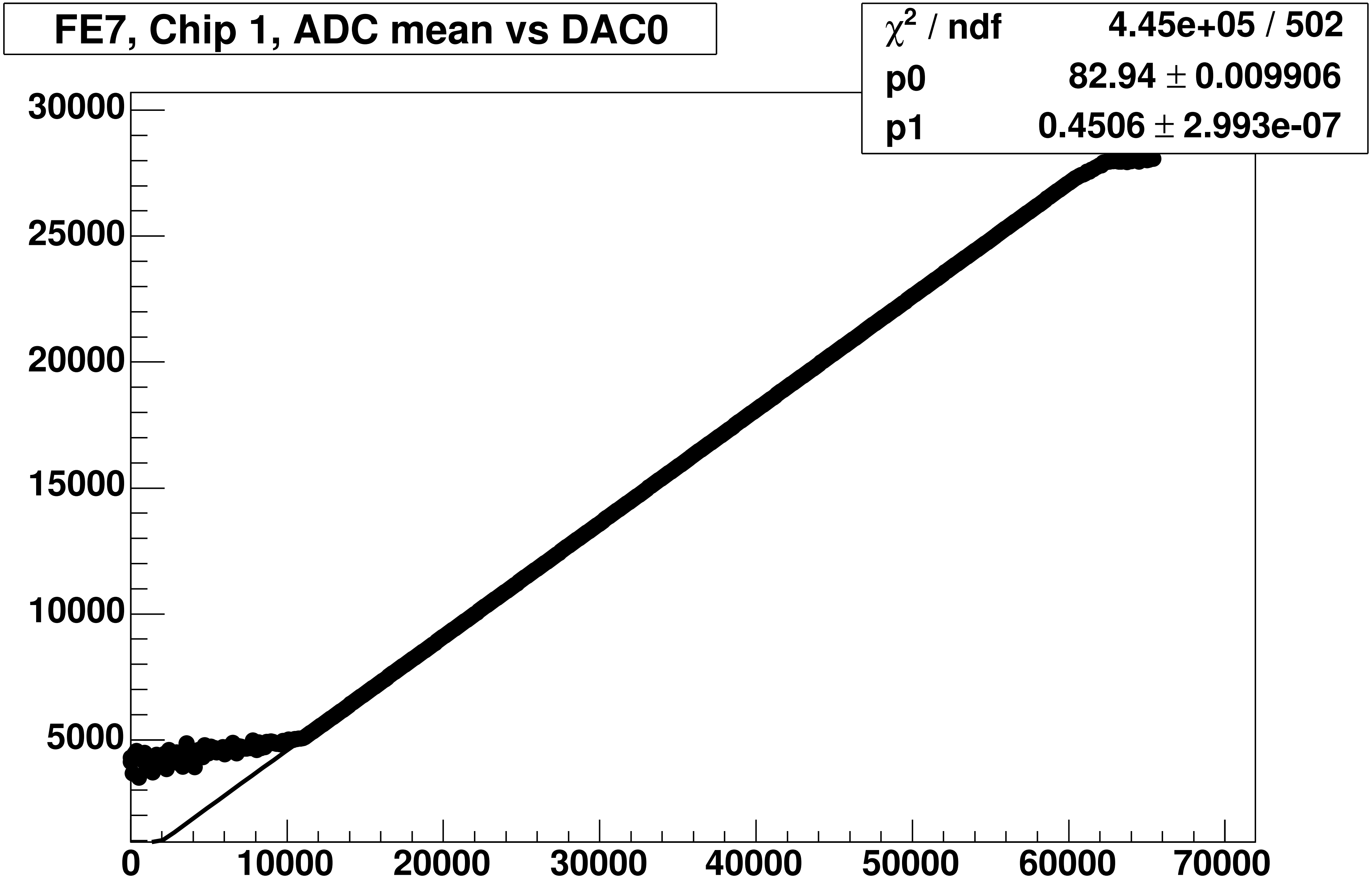

FE7, Chip 0, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 0, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 0, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4161 ± 7.243
p1 -0.001383 ± 0.0001909
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 0, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 0, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 1, ADC mean vs DAC0
χ^2 / ndf 4.45e+05 / 502
p0 82.94 ± 0.009906
p1 0.4506 ± 2.993e-07
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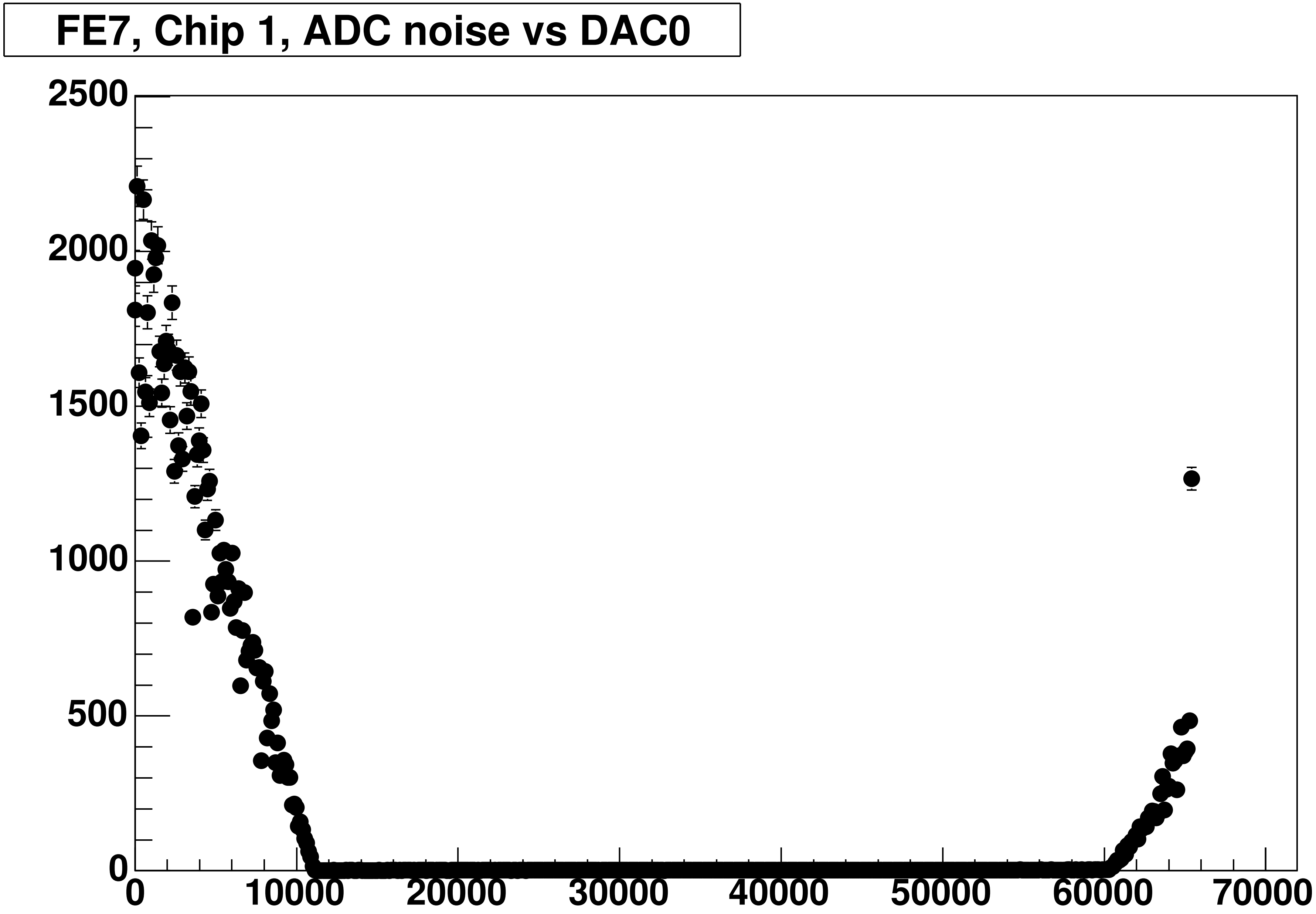
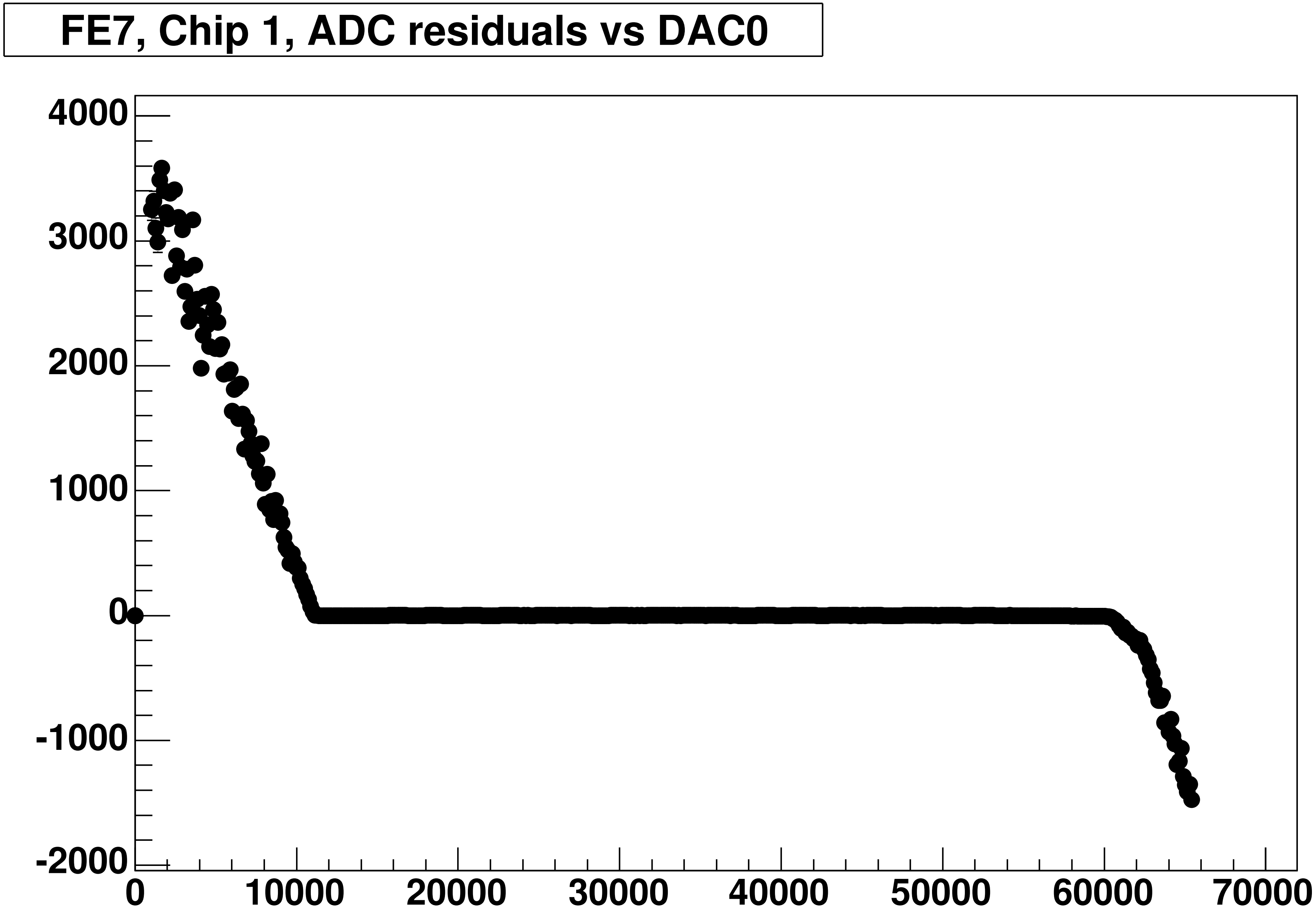
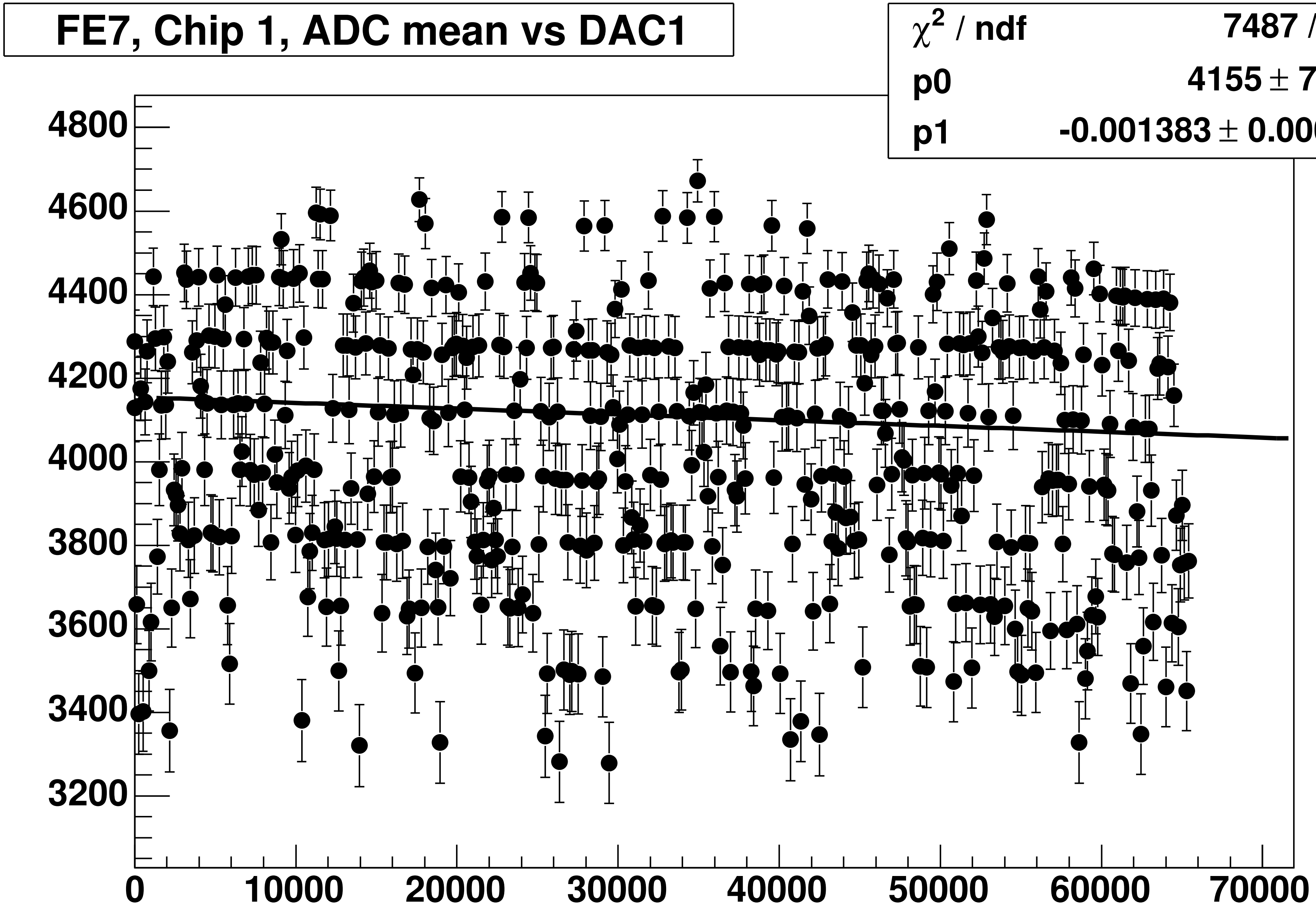
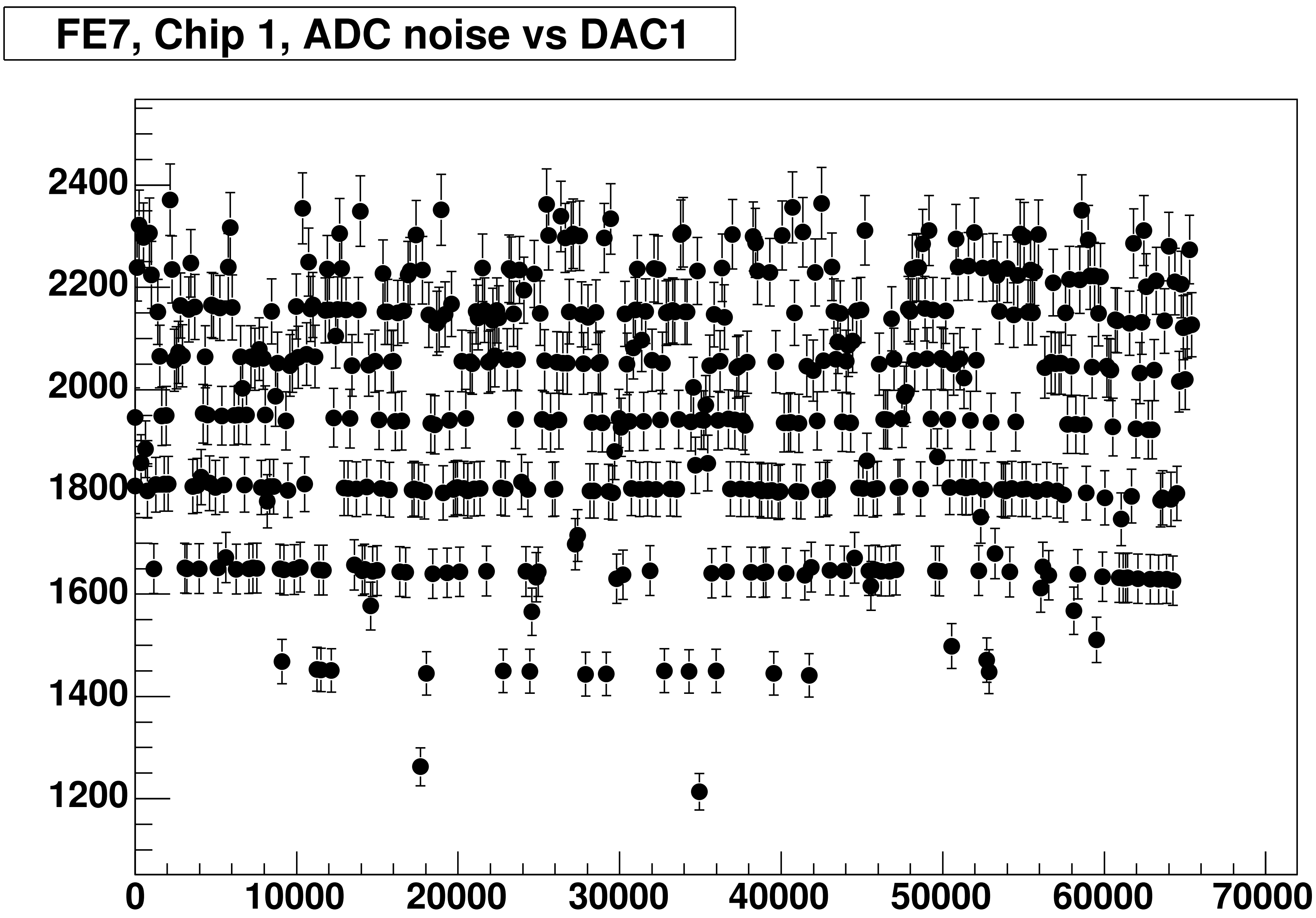
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 1, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

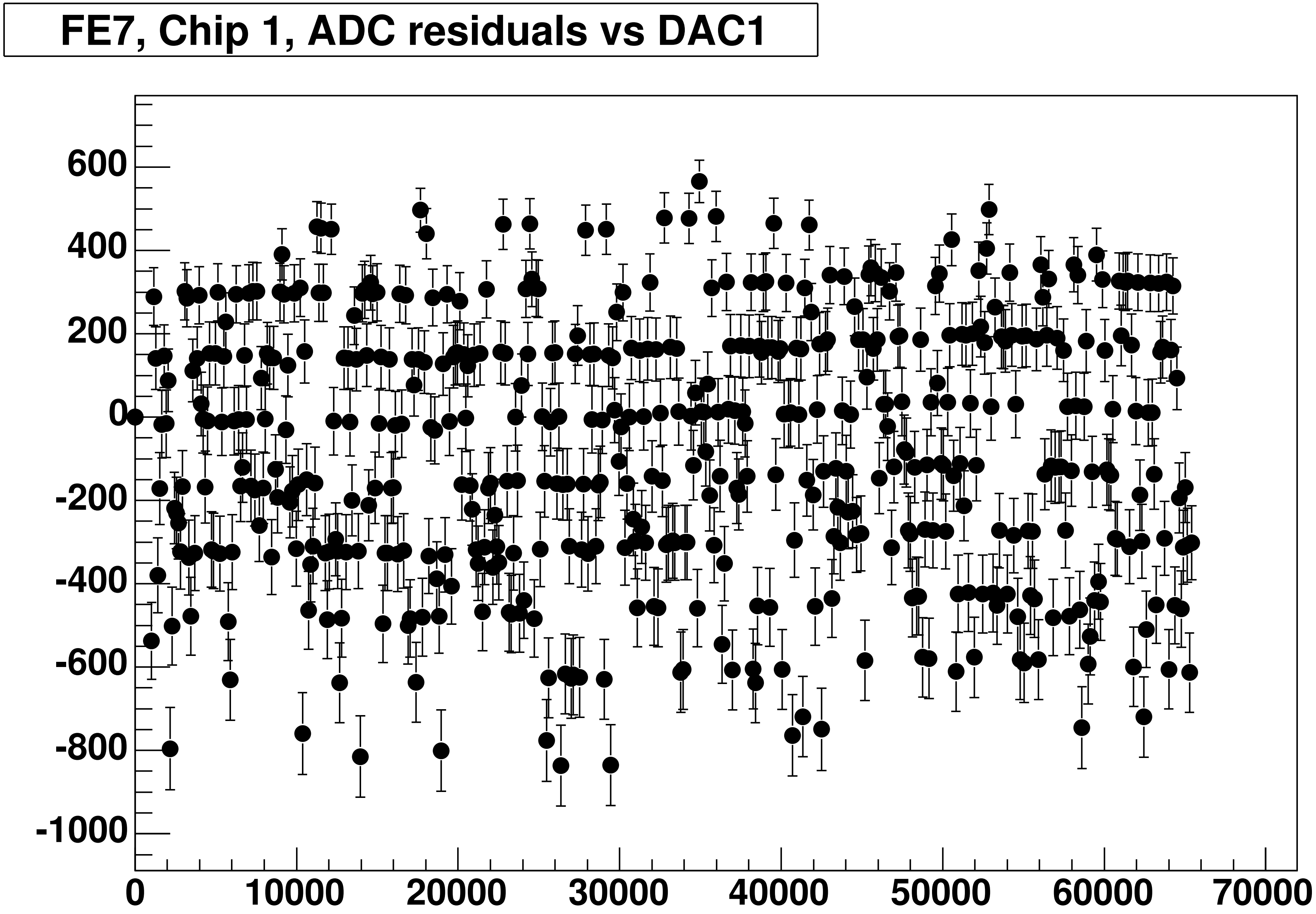


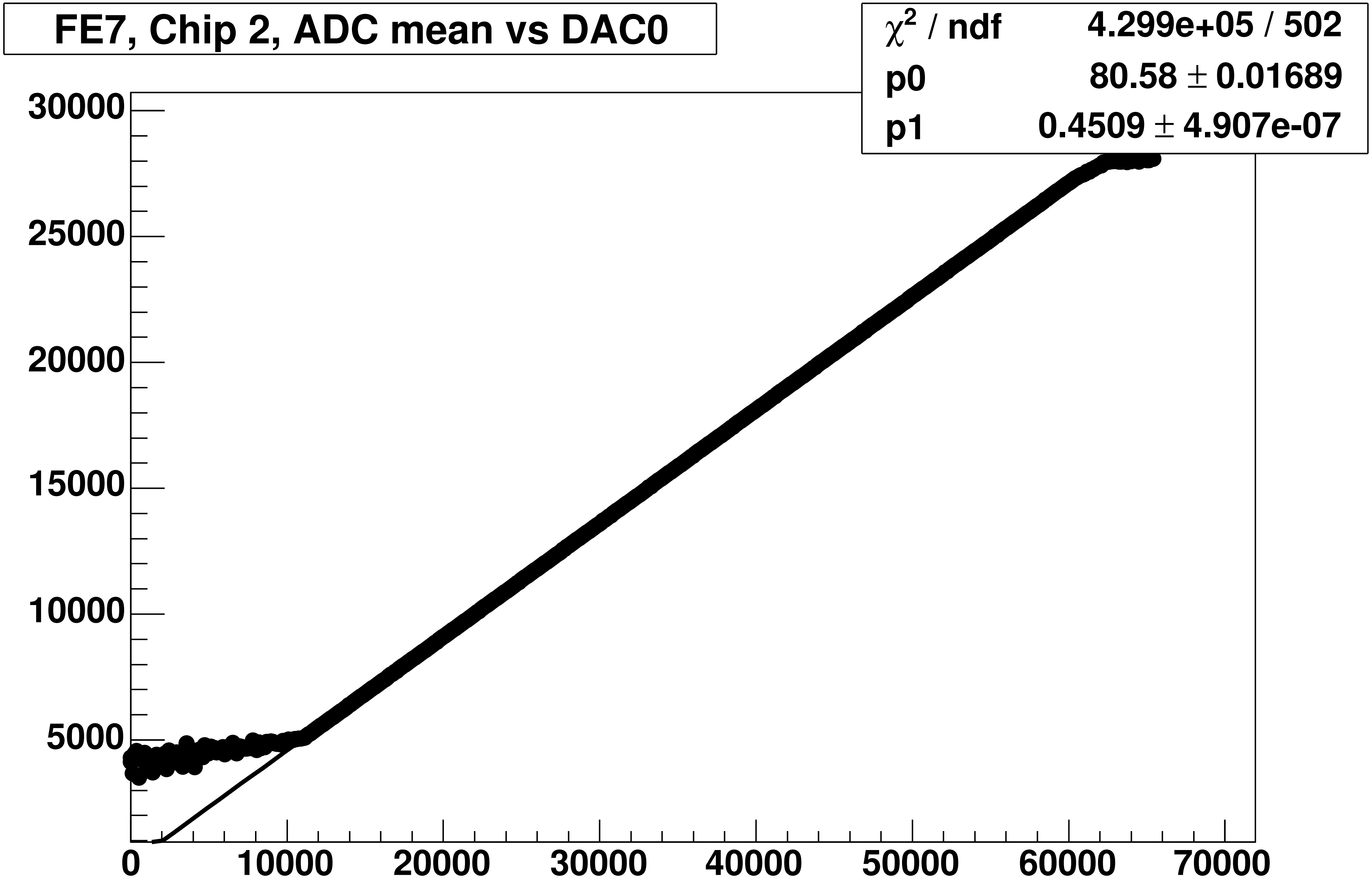
FE7, Chip 1, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 1, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4155 ± 7.244
p1 -0.001383 ± 0.000191
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

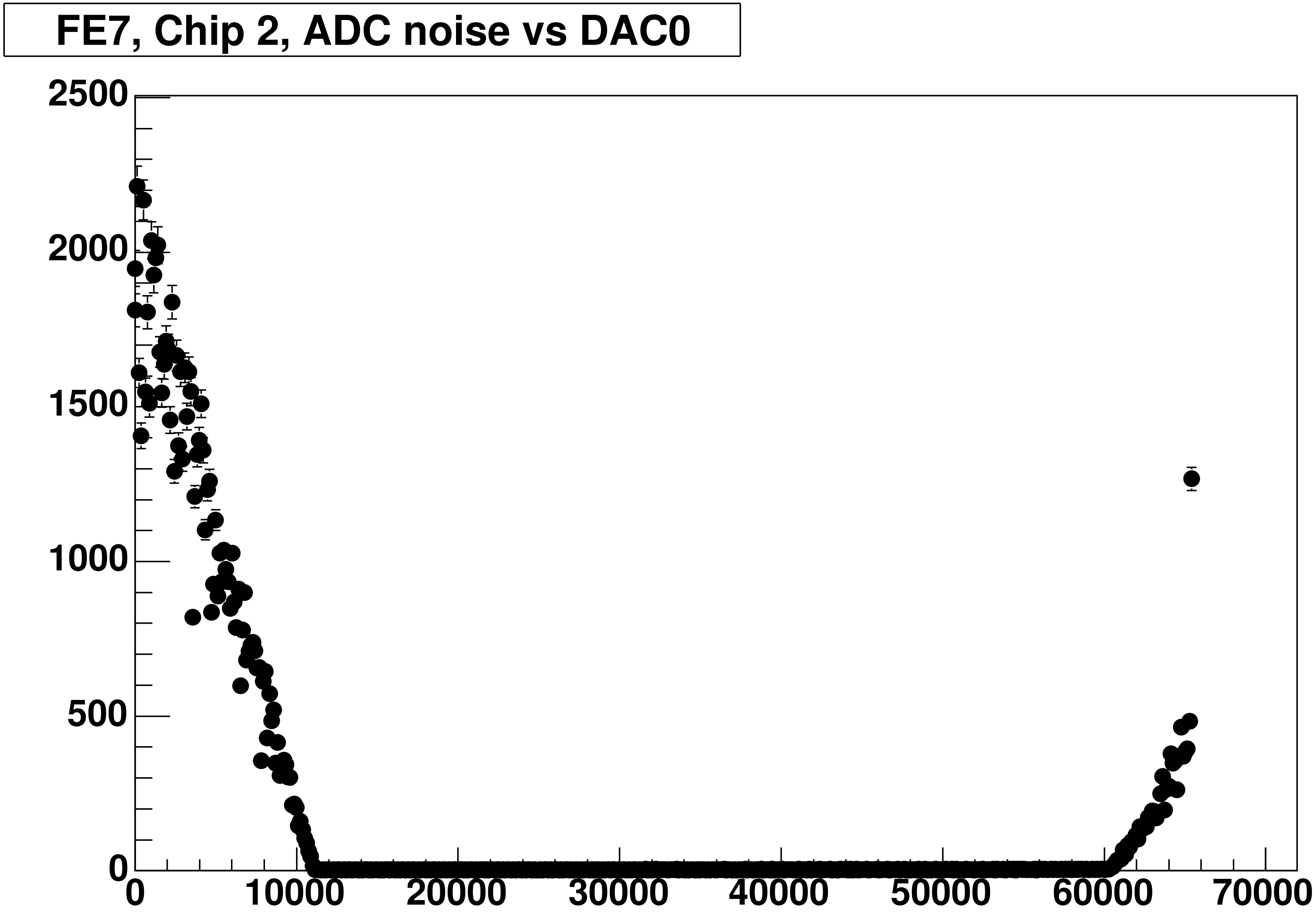


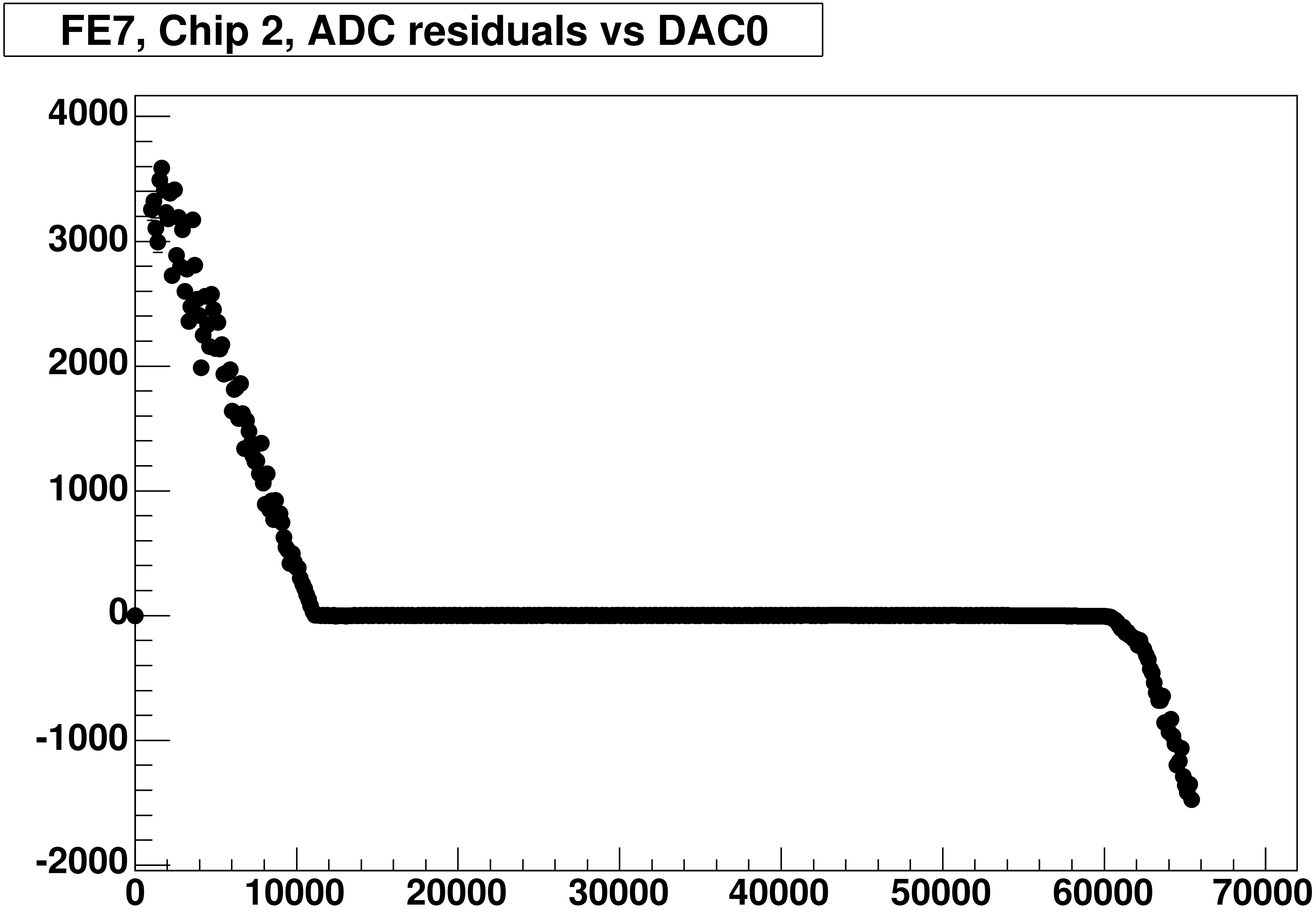
FE7, Chip 1, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

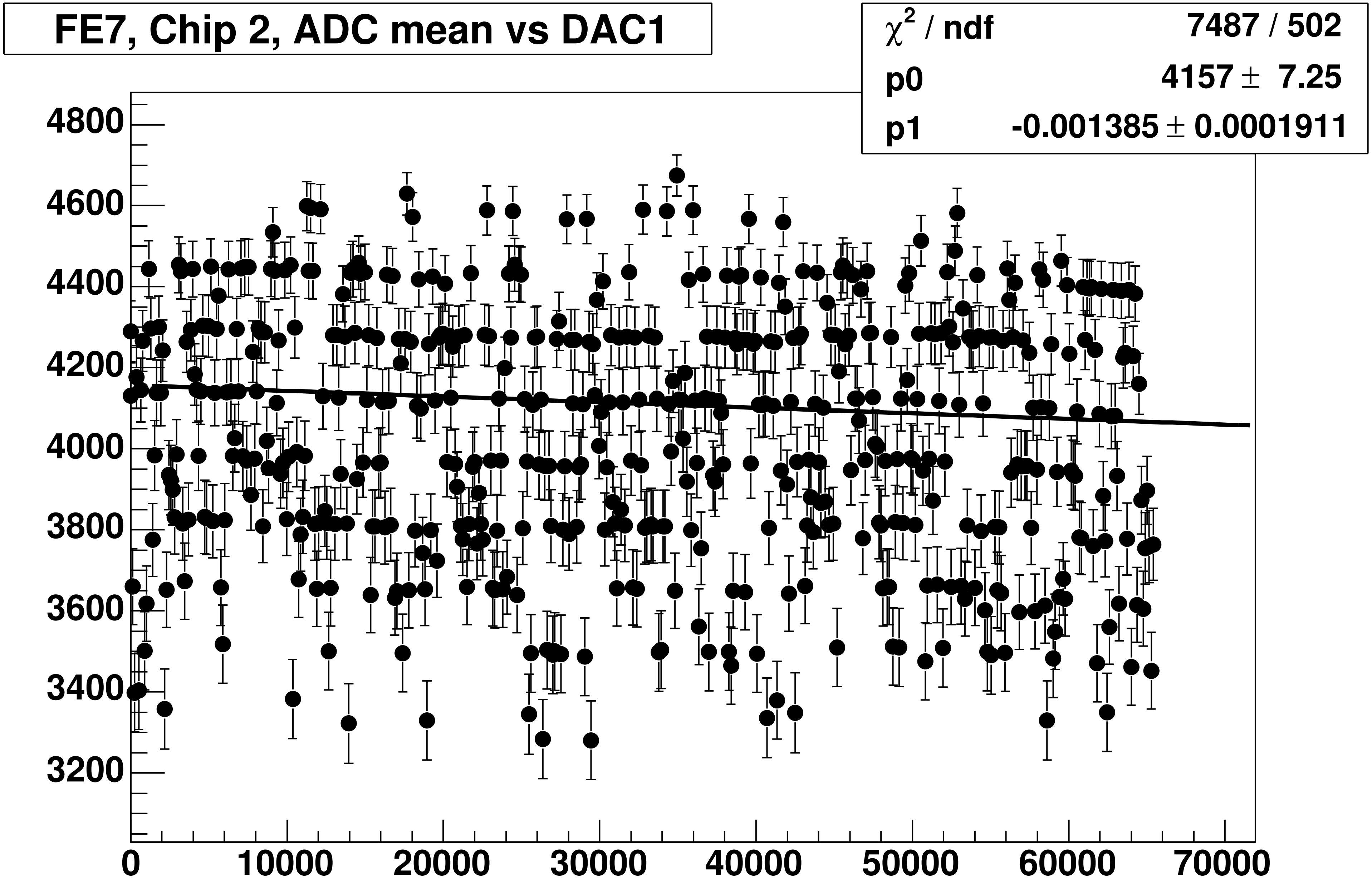

FE7, Chip 1, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000



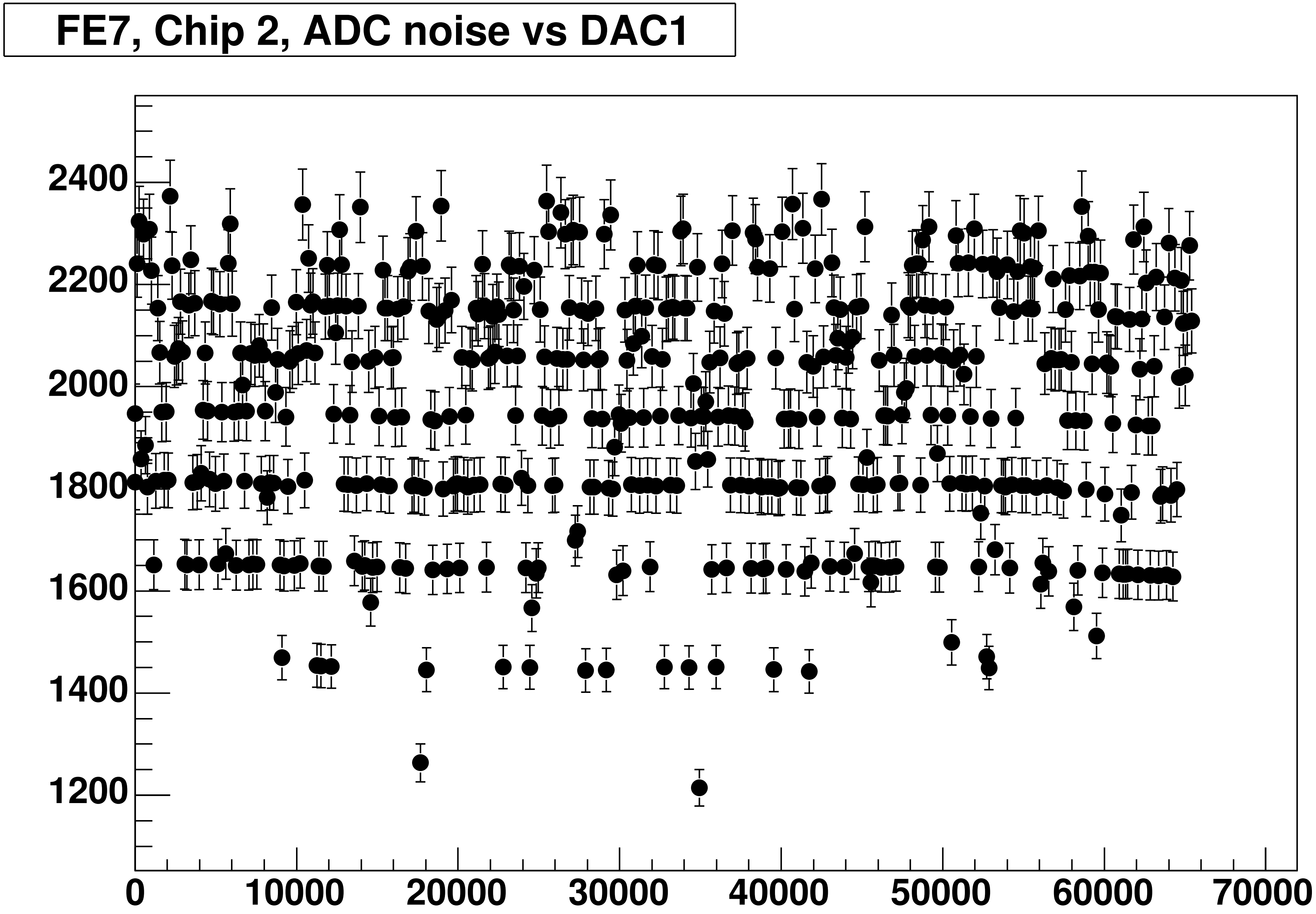
FE7, Chip 2, ADC mean vs DAC0
χ^2 / ndf 4.299e+05 / 502
p0 80.58 ± 0.01689
p1 0.4509 ± 4.907e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

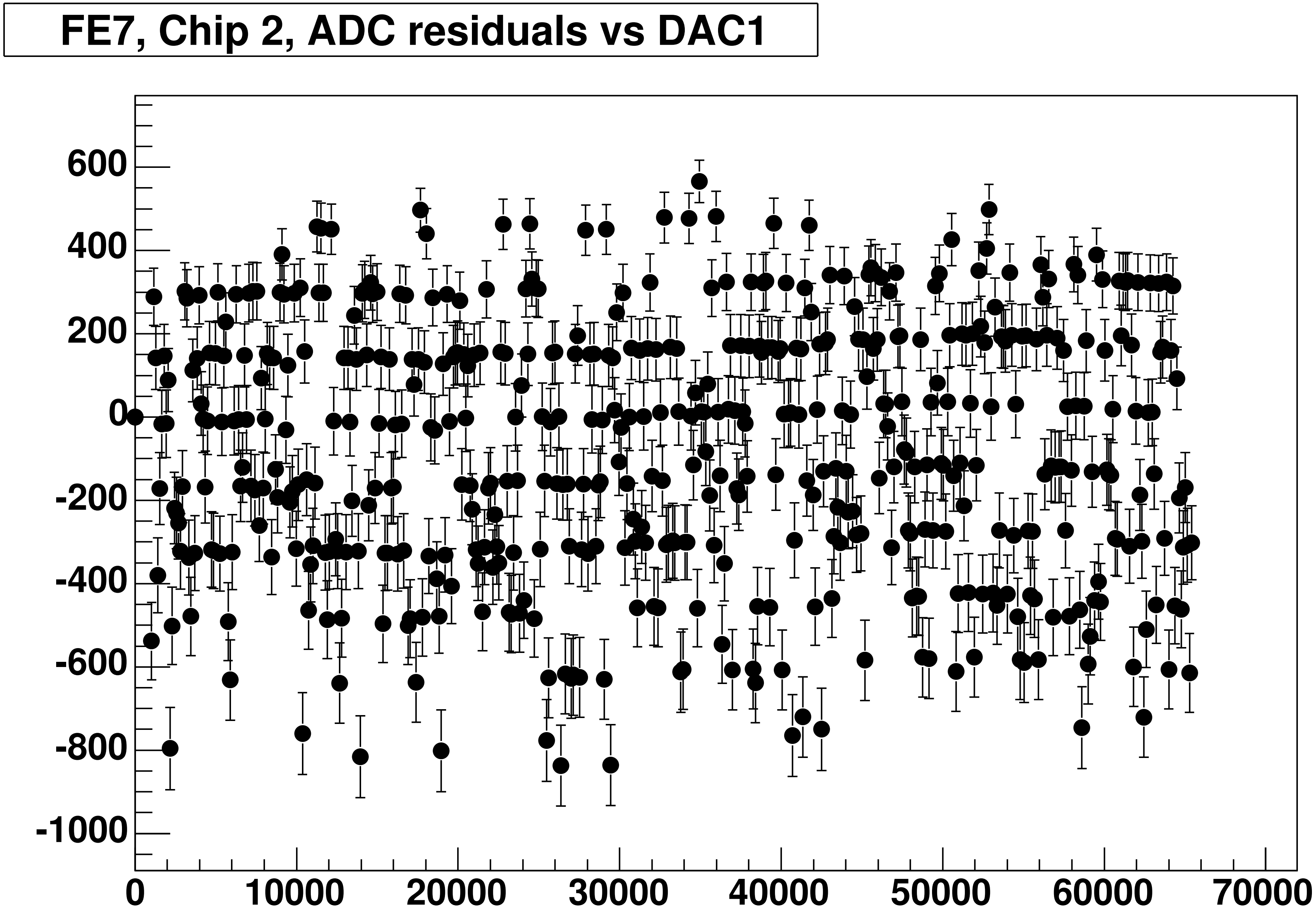

FE7, Chip 2, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

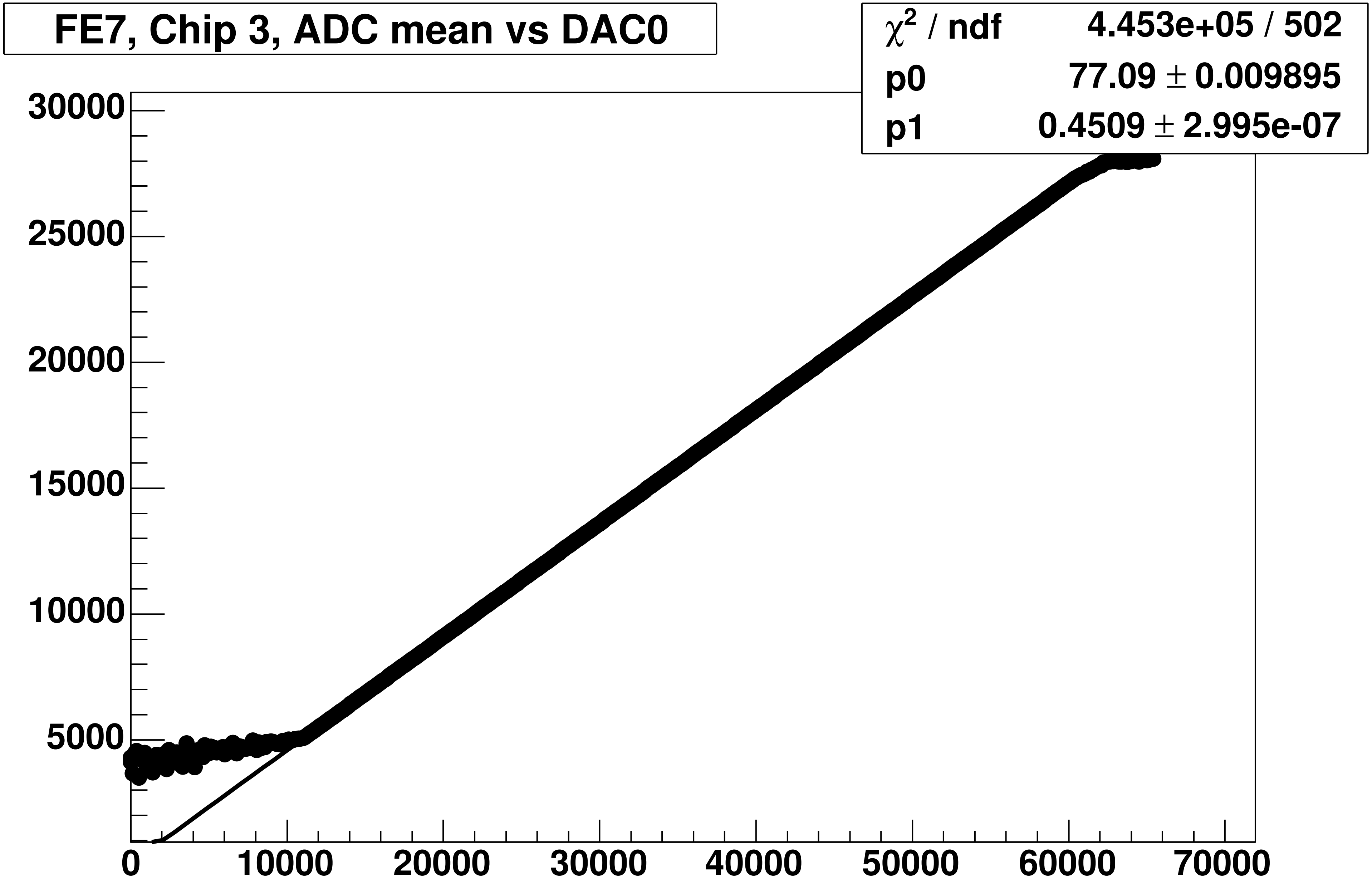

FE7, Chip 2, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

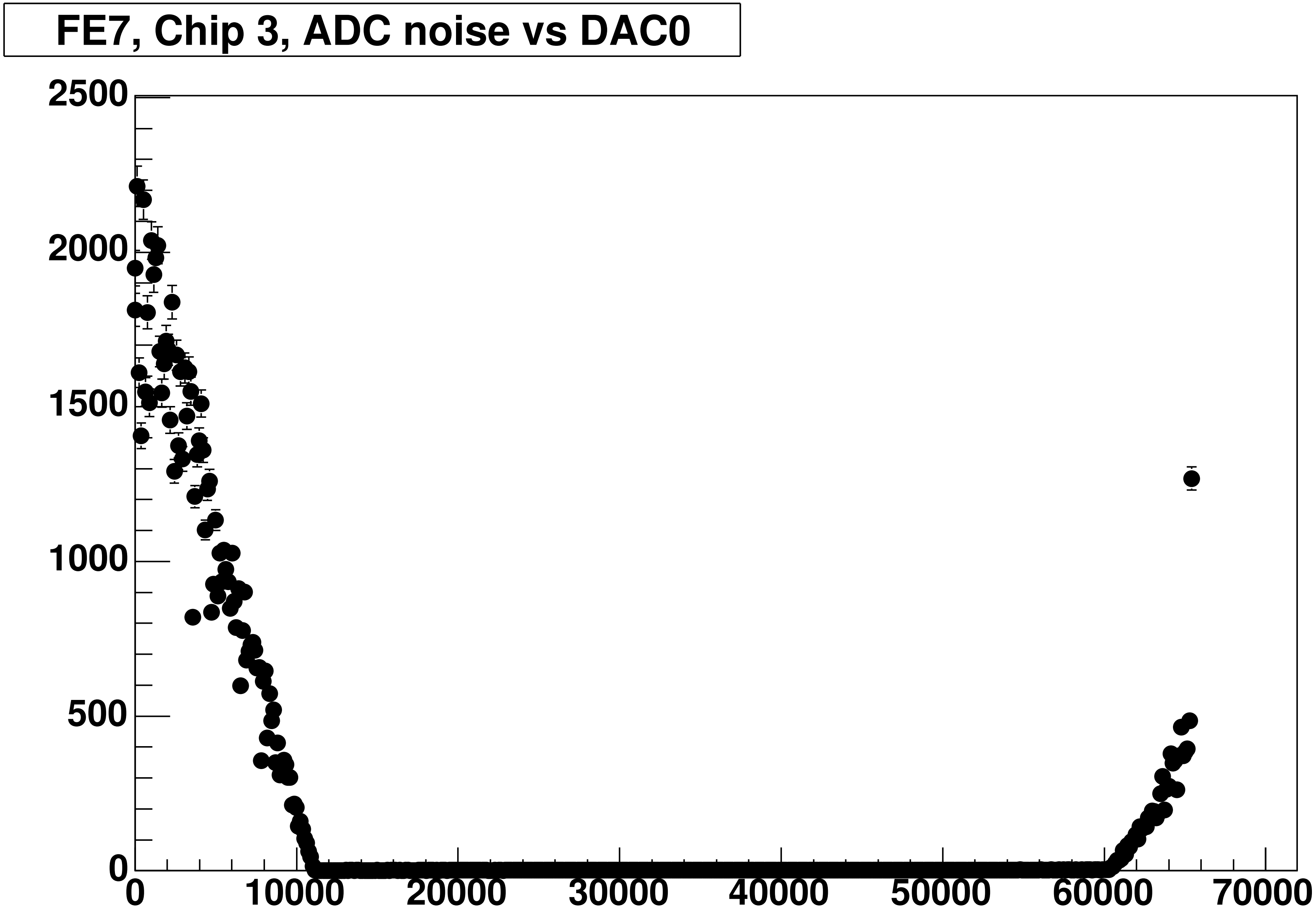


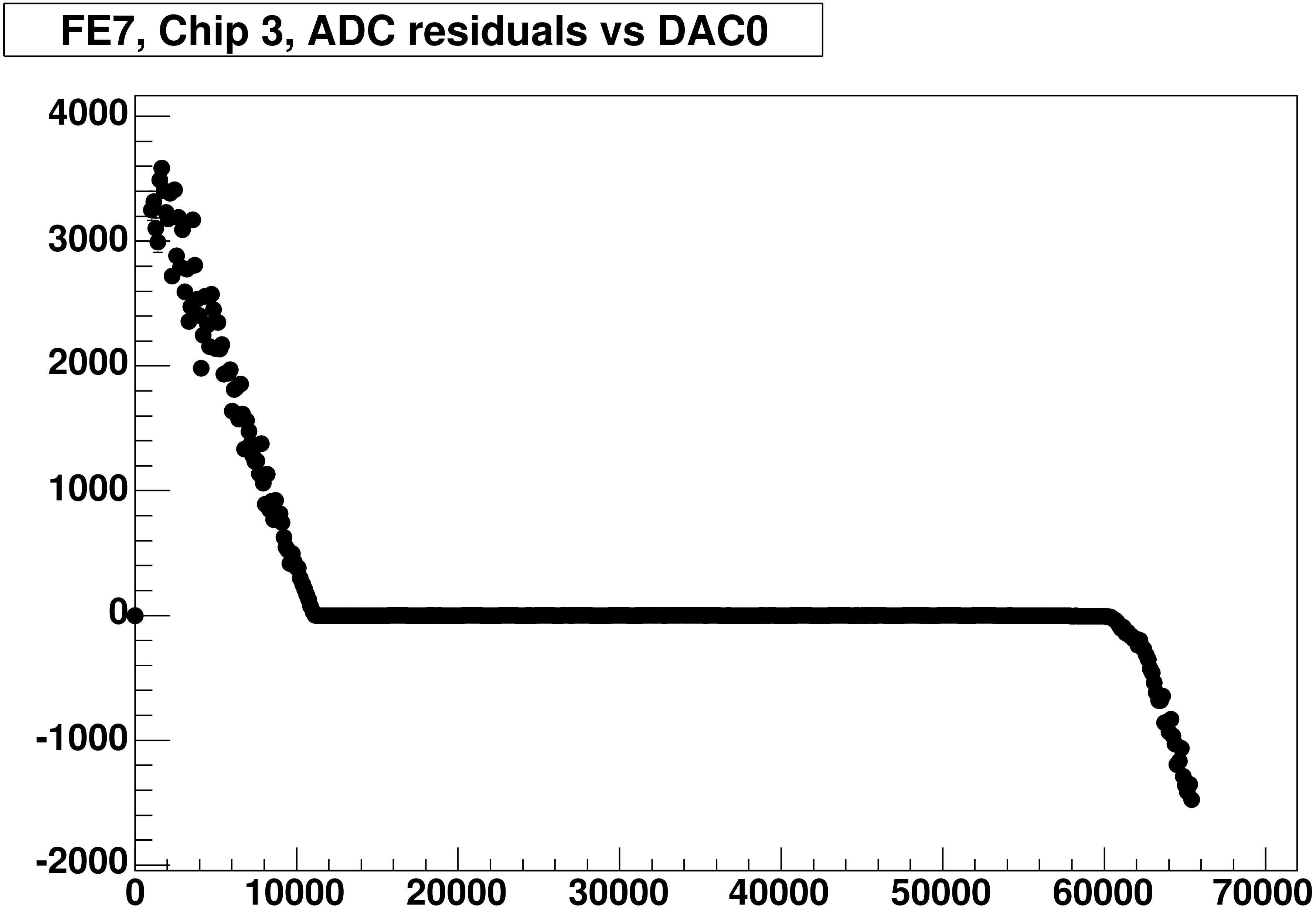
FE7, Chip 2, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4157 ± 7.25
p1 -0.001385 ± 0.0001911
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

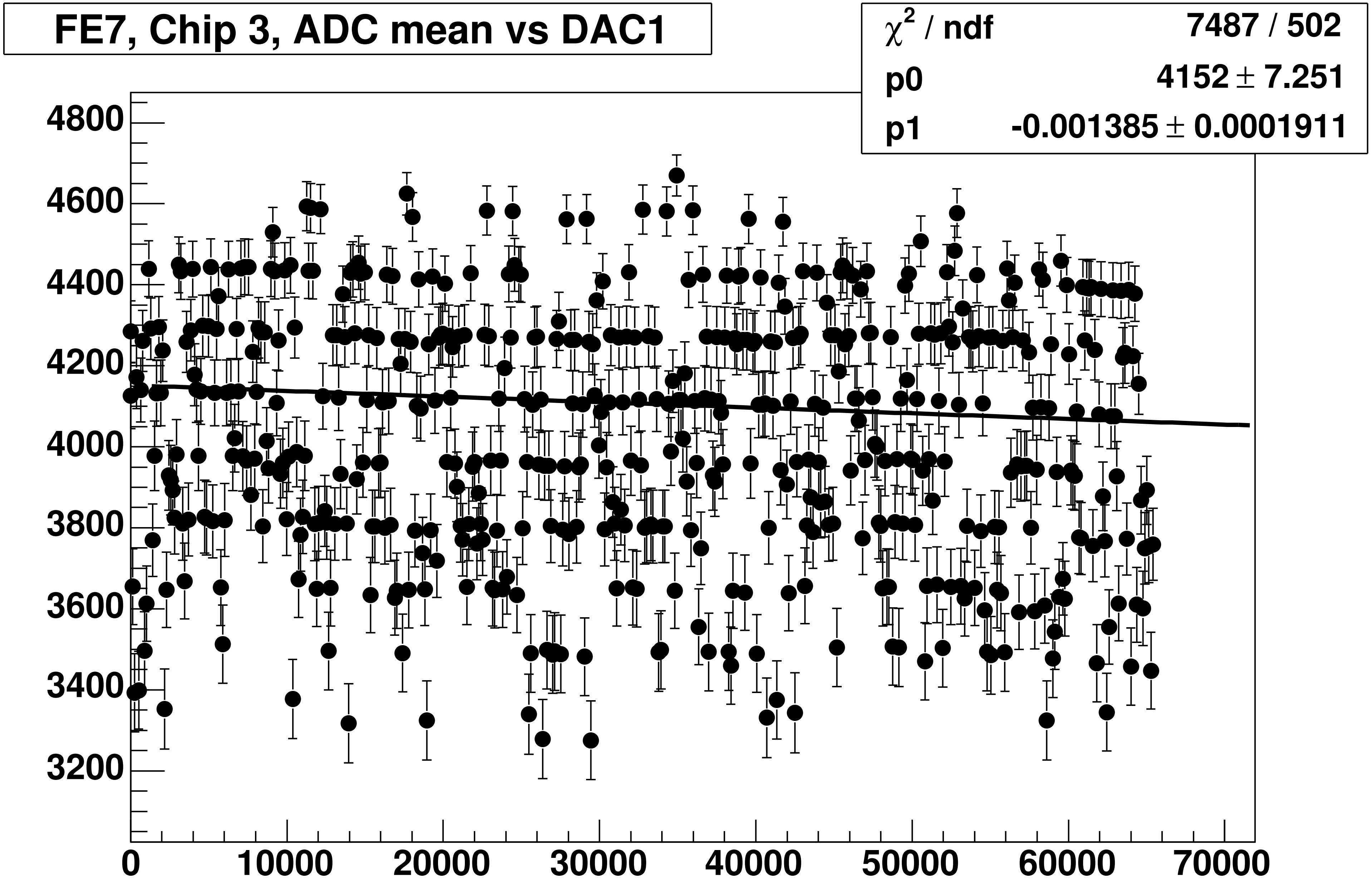

FE7, Chip 2, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 2, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 3, ADC mean vs DAC0
χ^2 / ndf 4.453e+05 / 502
p0 77.09 ± 0.009895
p1 0.4509 ± 2.995e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 3, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 3, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 3, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4152 ± 7.251
p1 -0.001385 ± 0.0001911
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
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40000
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60000
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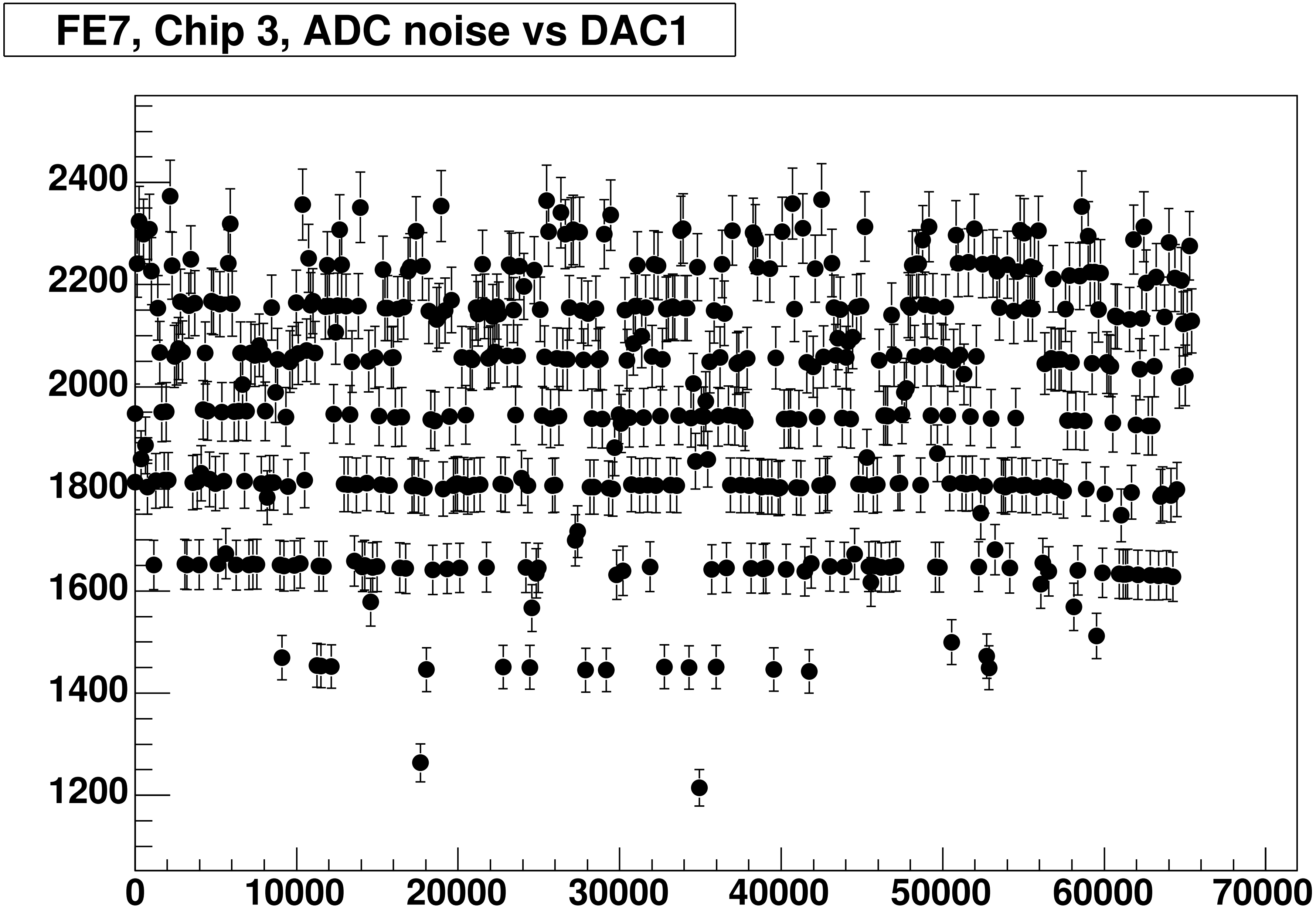
FE7, Chip 3, ADC noise vs DAC1
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2200
2000
1800
1600
1400
1200
0
10000
20000
30000
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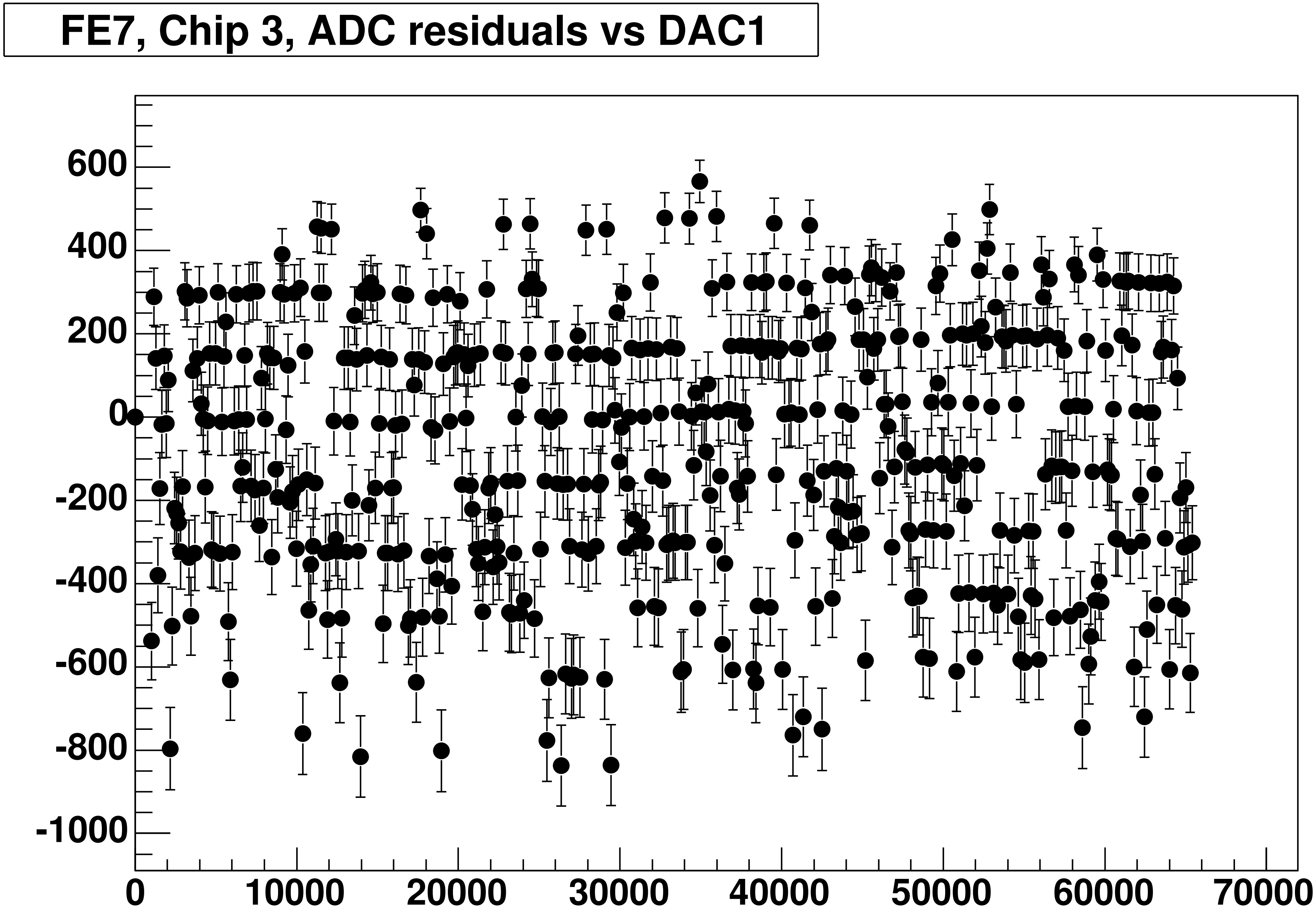
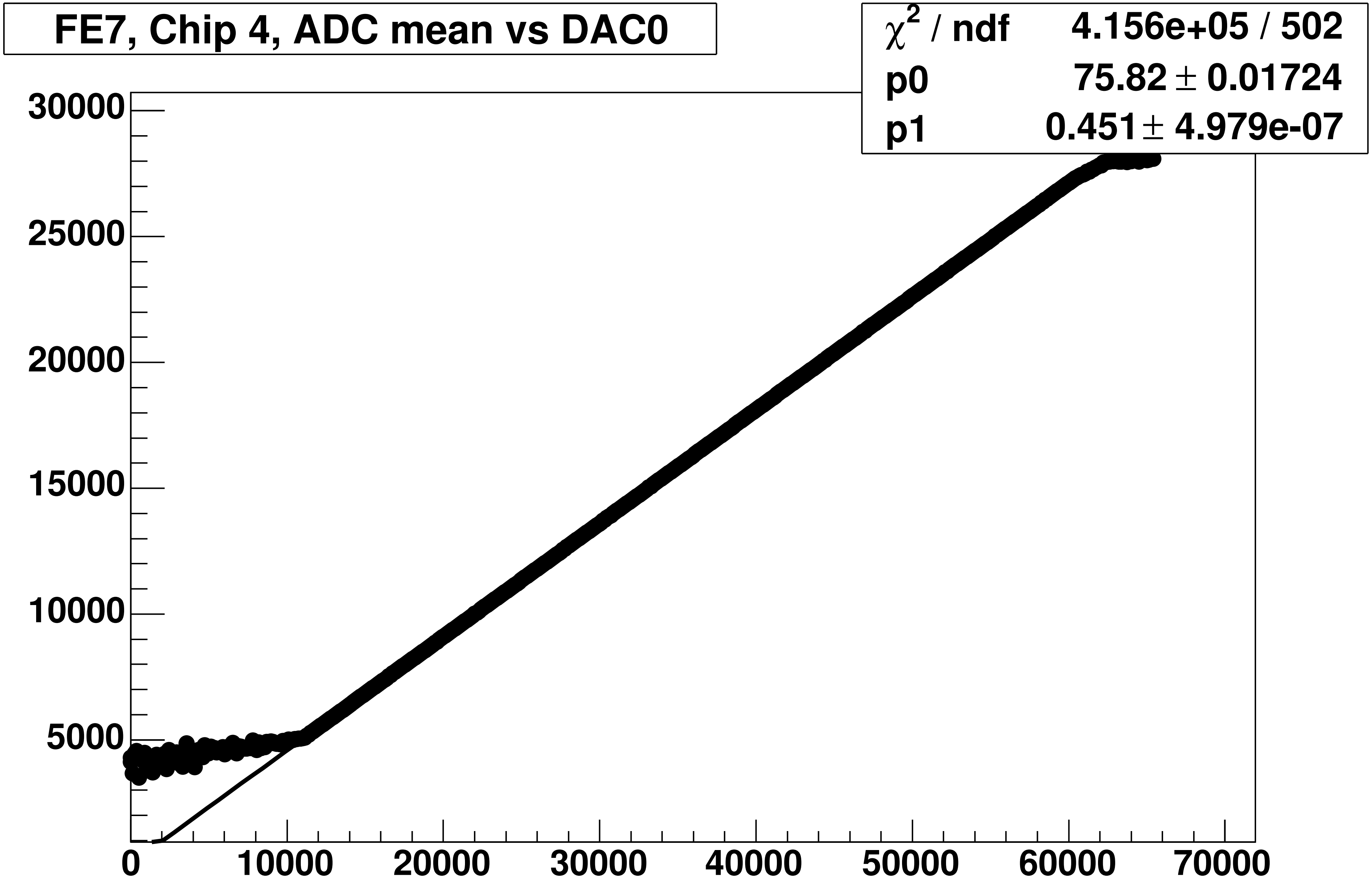
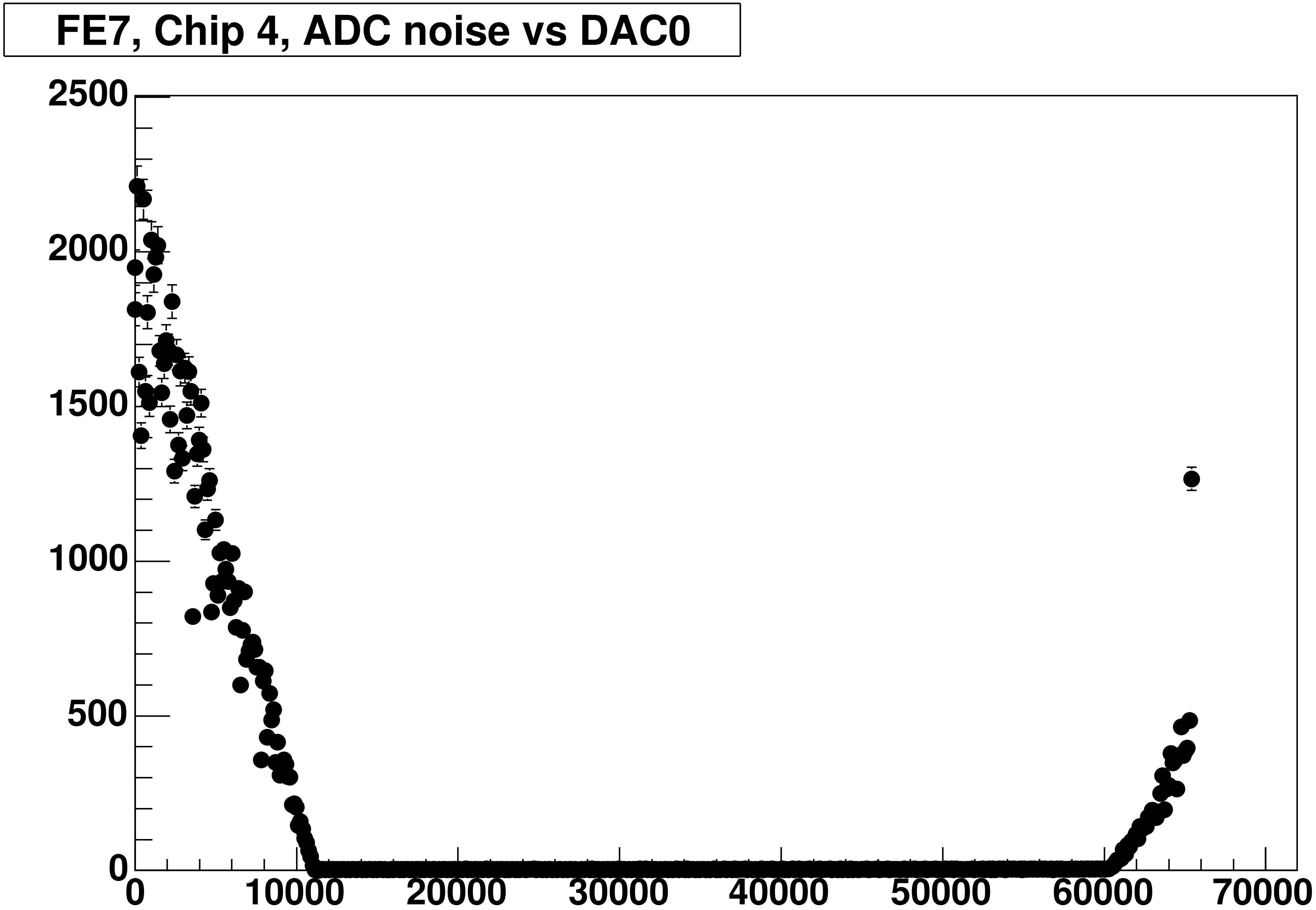
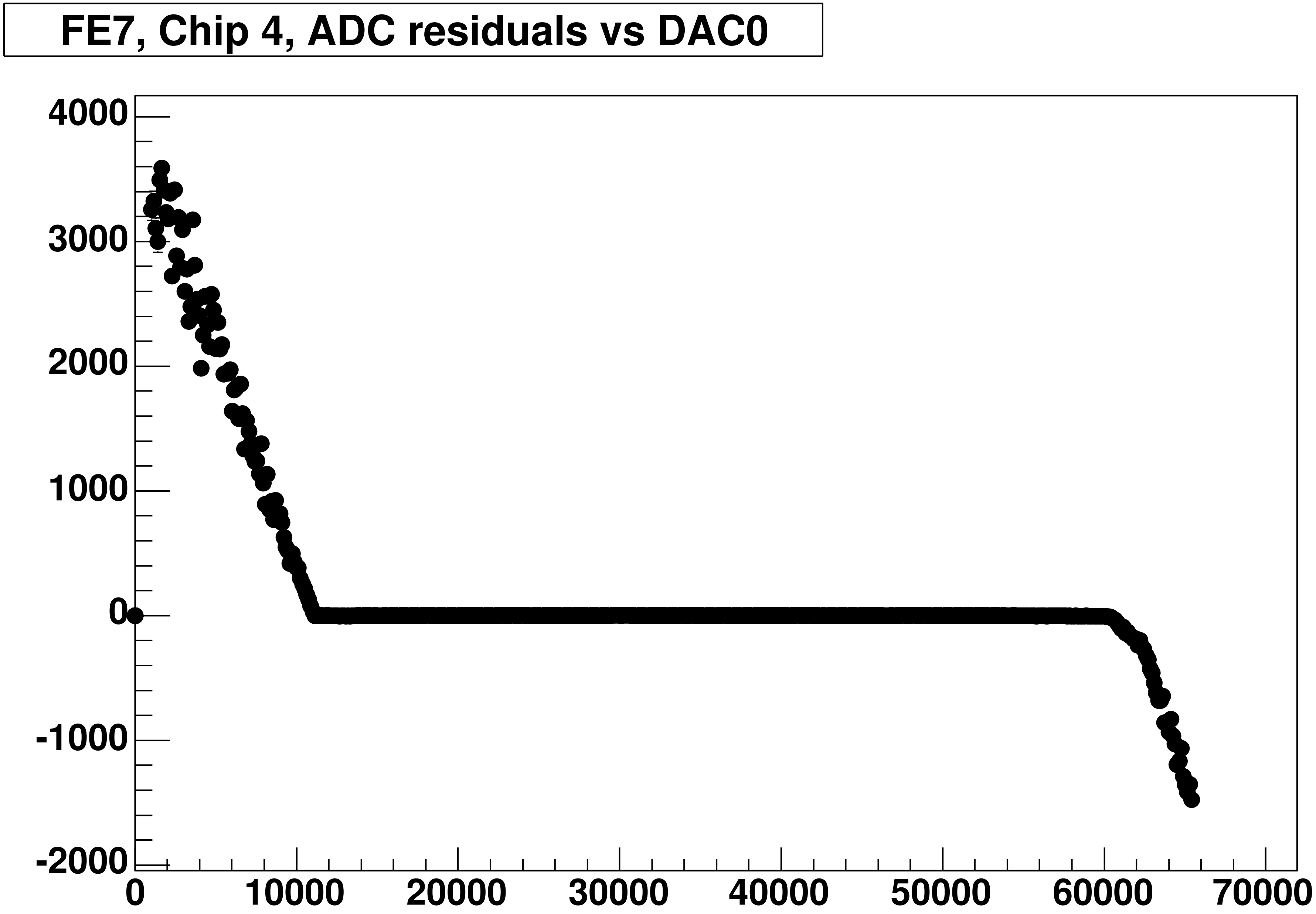
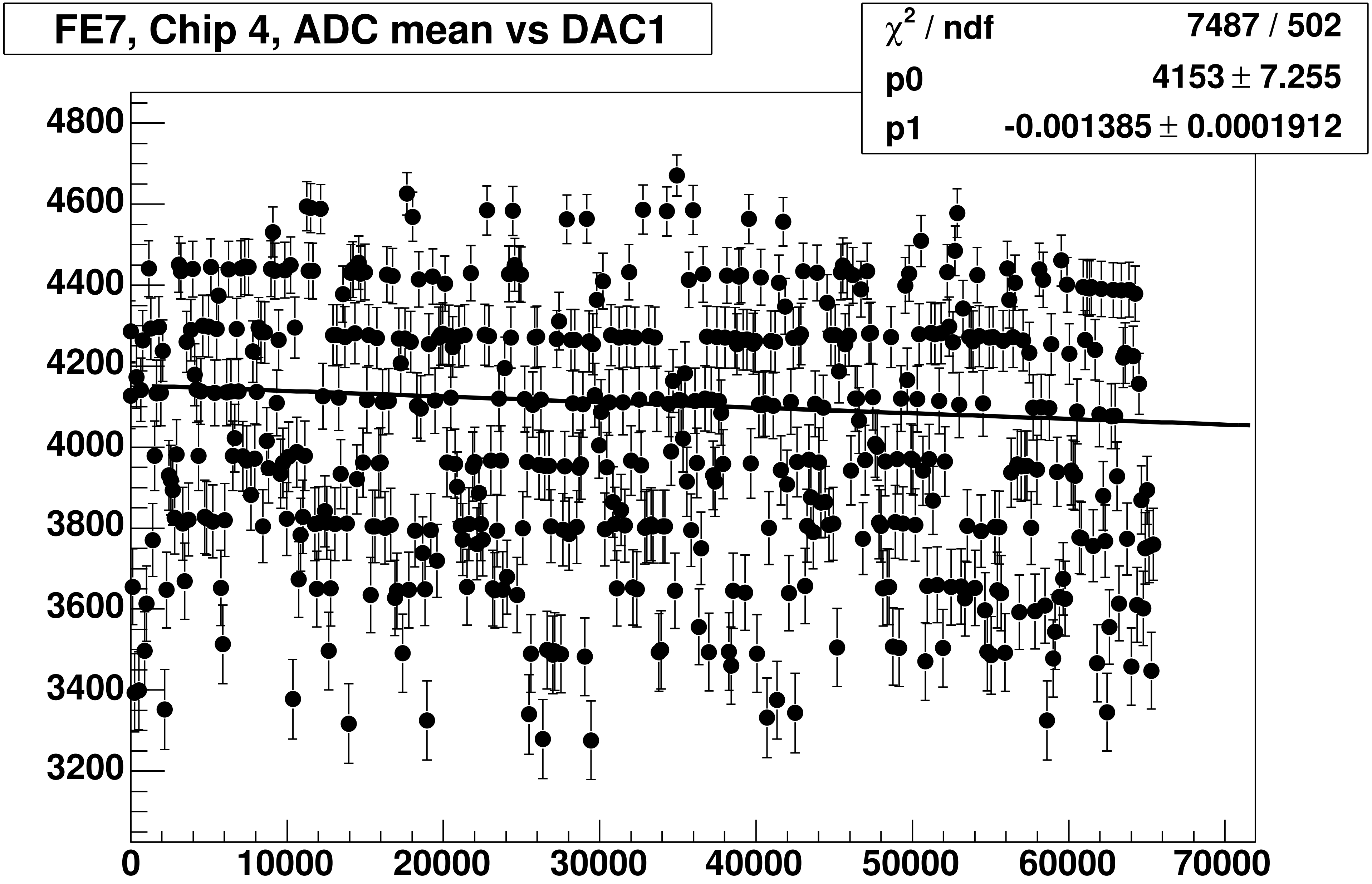
50000
60000
70000

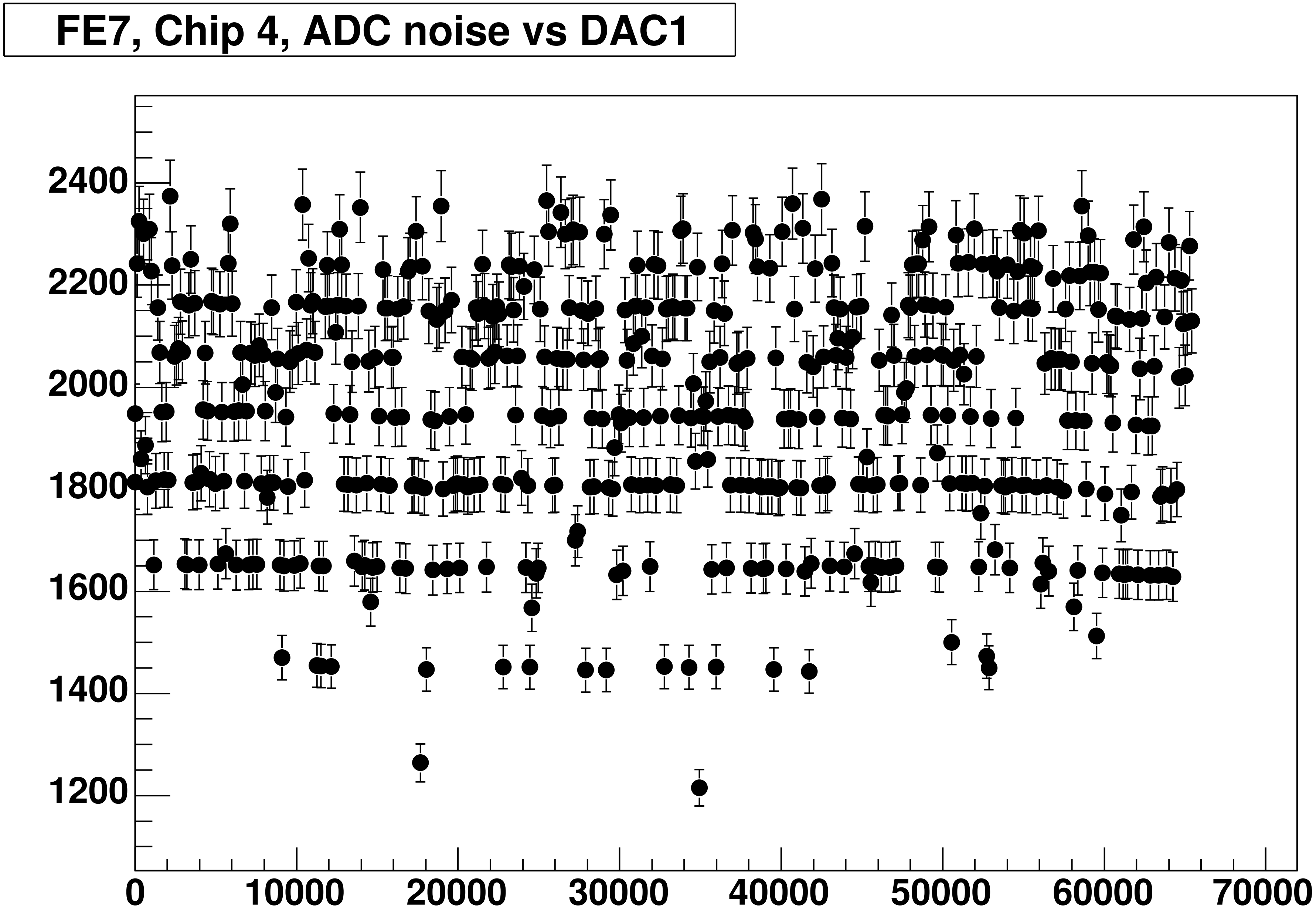

FE7, Chip 3, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 4, ADC mean vs DAC0
χ^2 / ndf 4.156e+05 / 502
p0 75.82 ± 0.01724
p1 0.451 ± 4.979e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

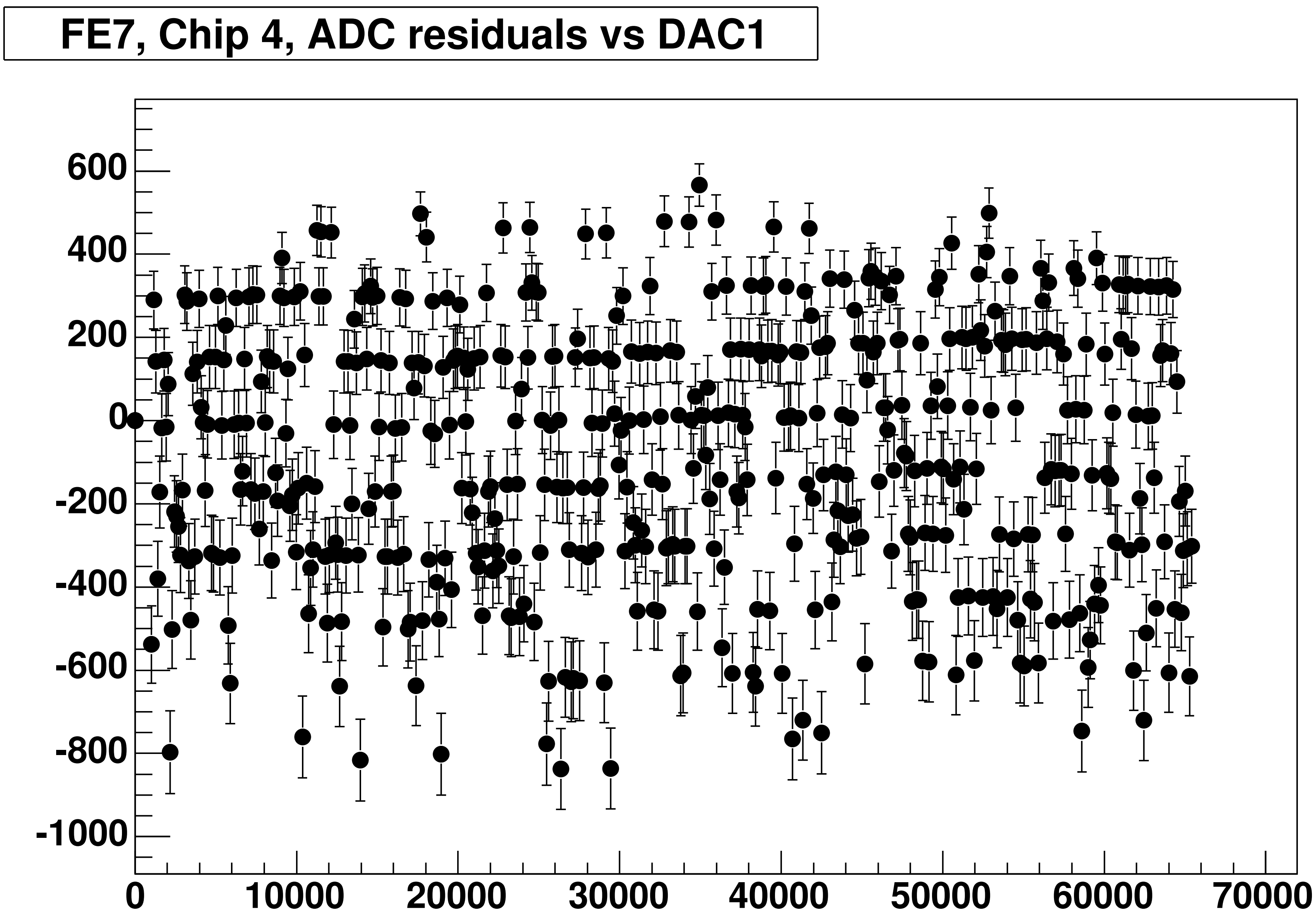

FE7, Chip 4, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

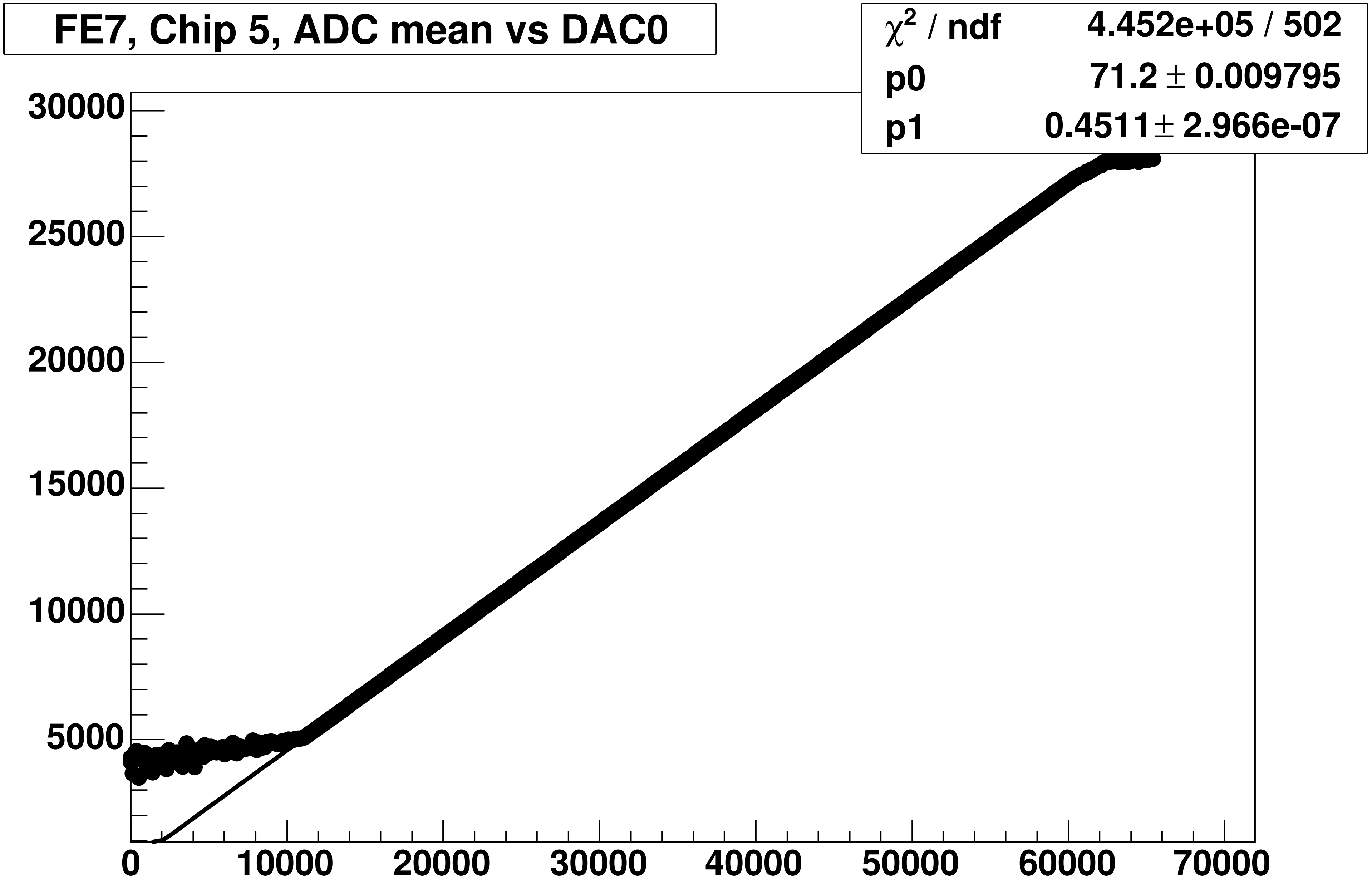

FE7, Chip 4, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000

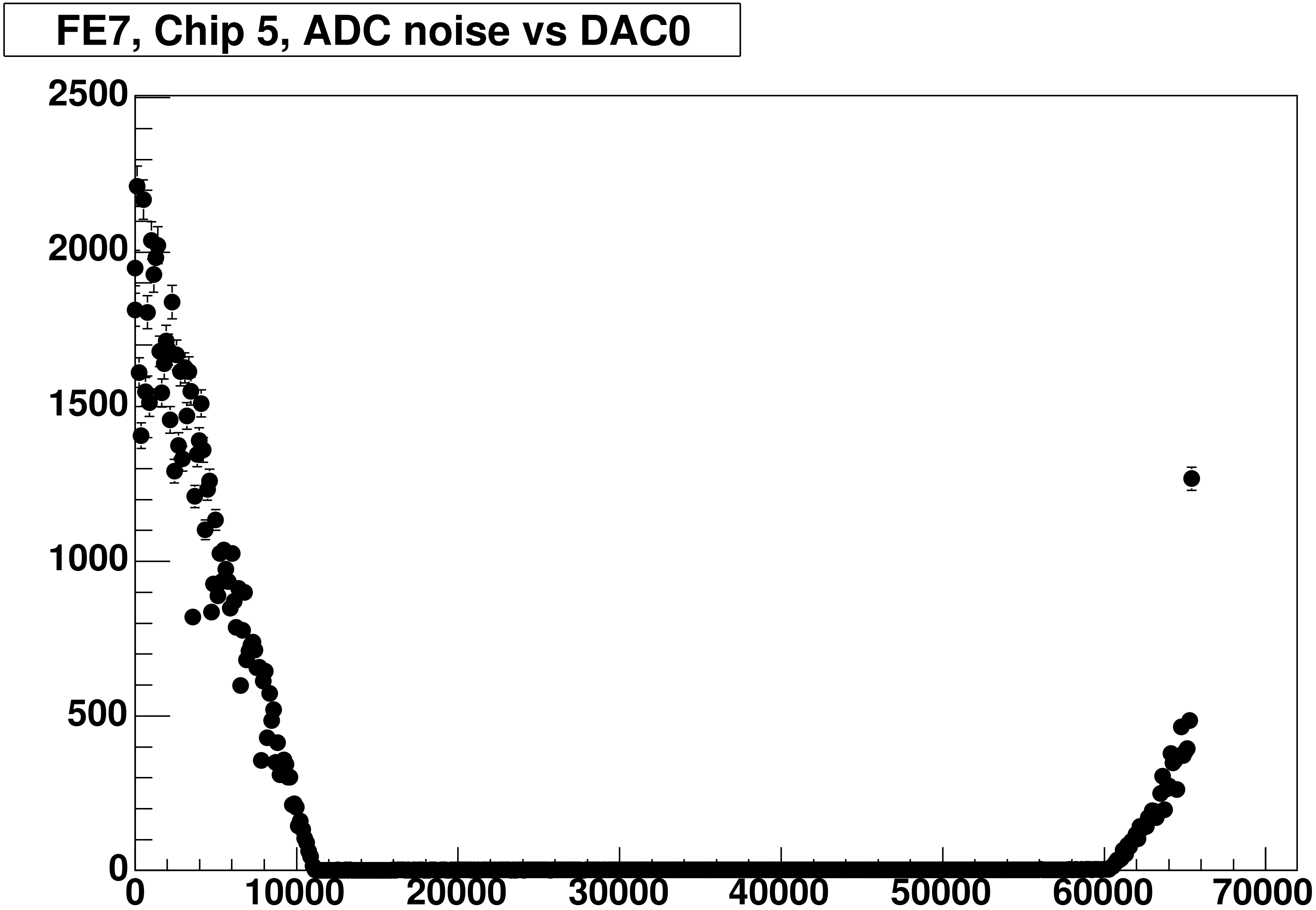

FE7, Chip 4, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4153 ± 7.255
p1 -0.001385 ± 0.0001912
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000

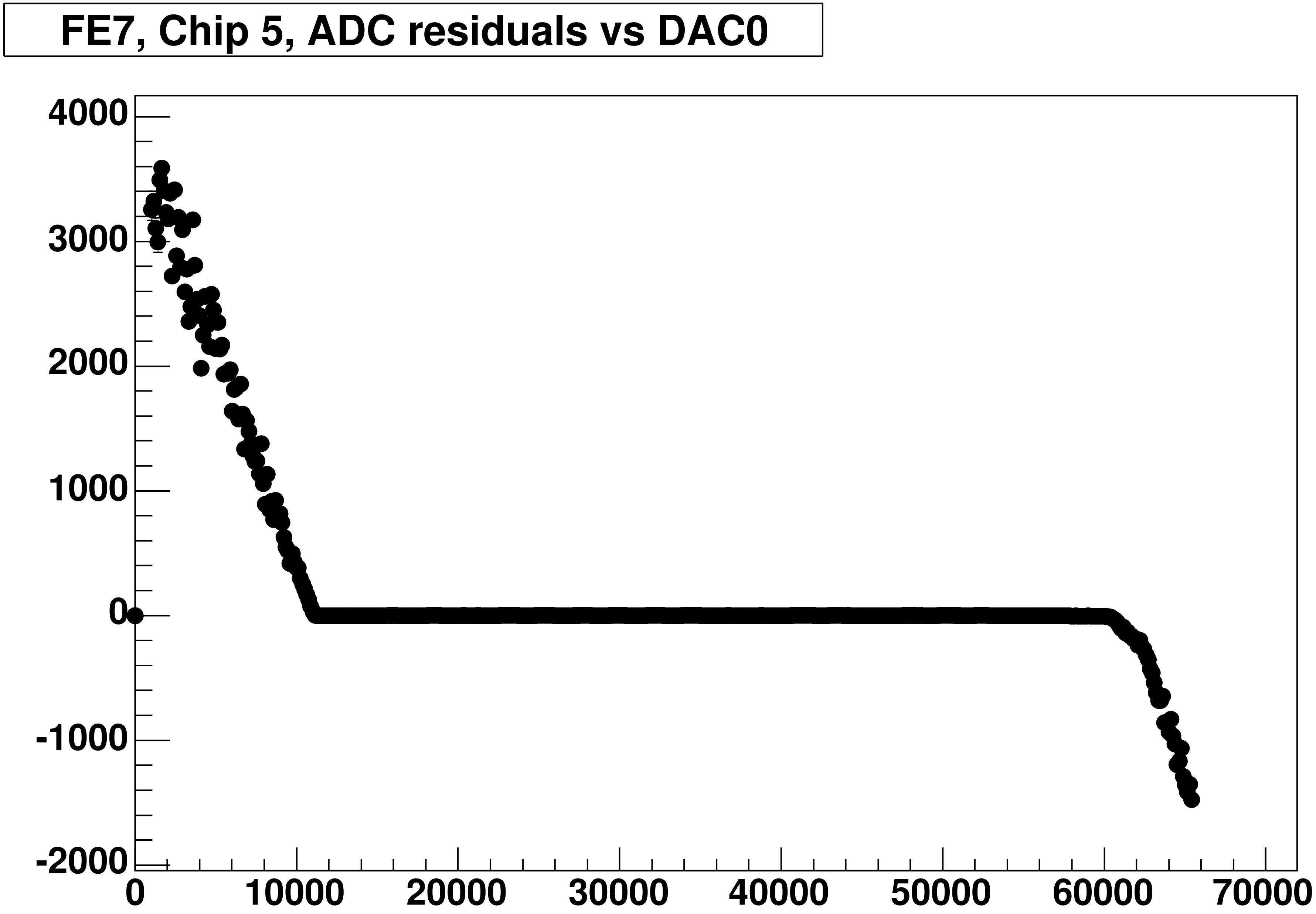


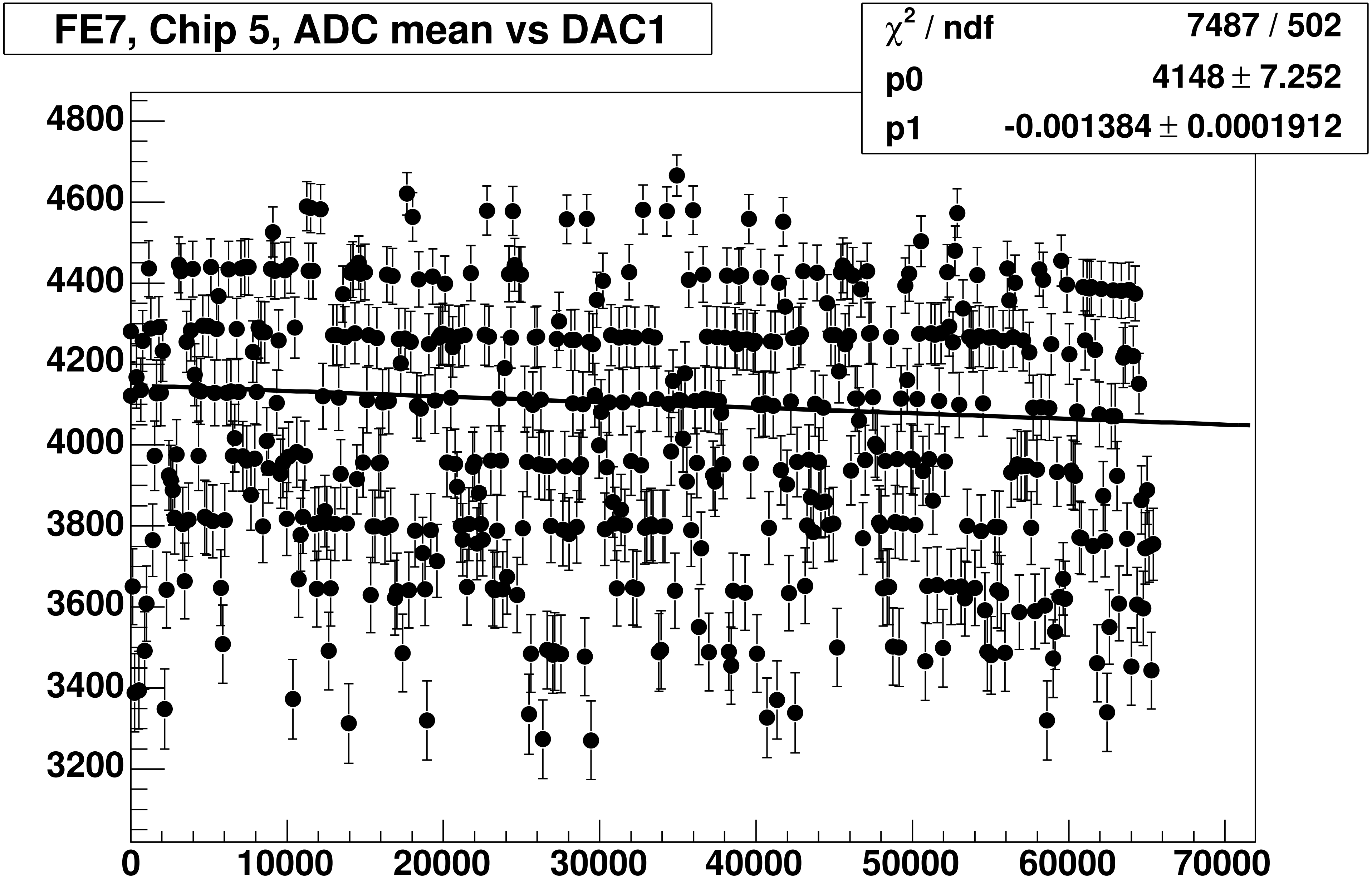
FE7, Chip 4, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 4, ADC residuals vs DAC1
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

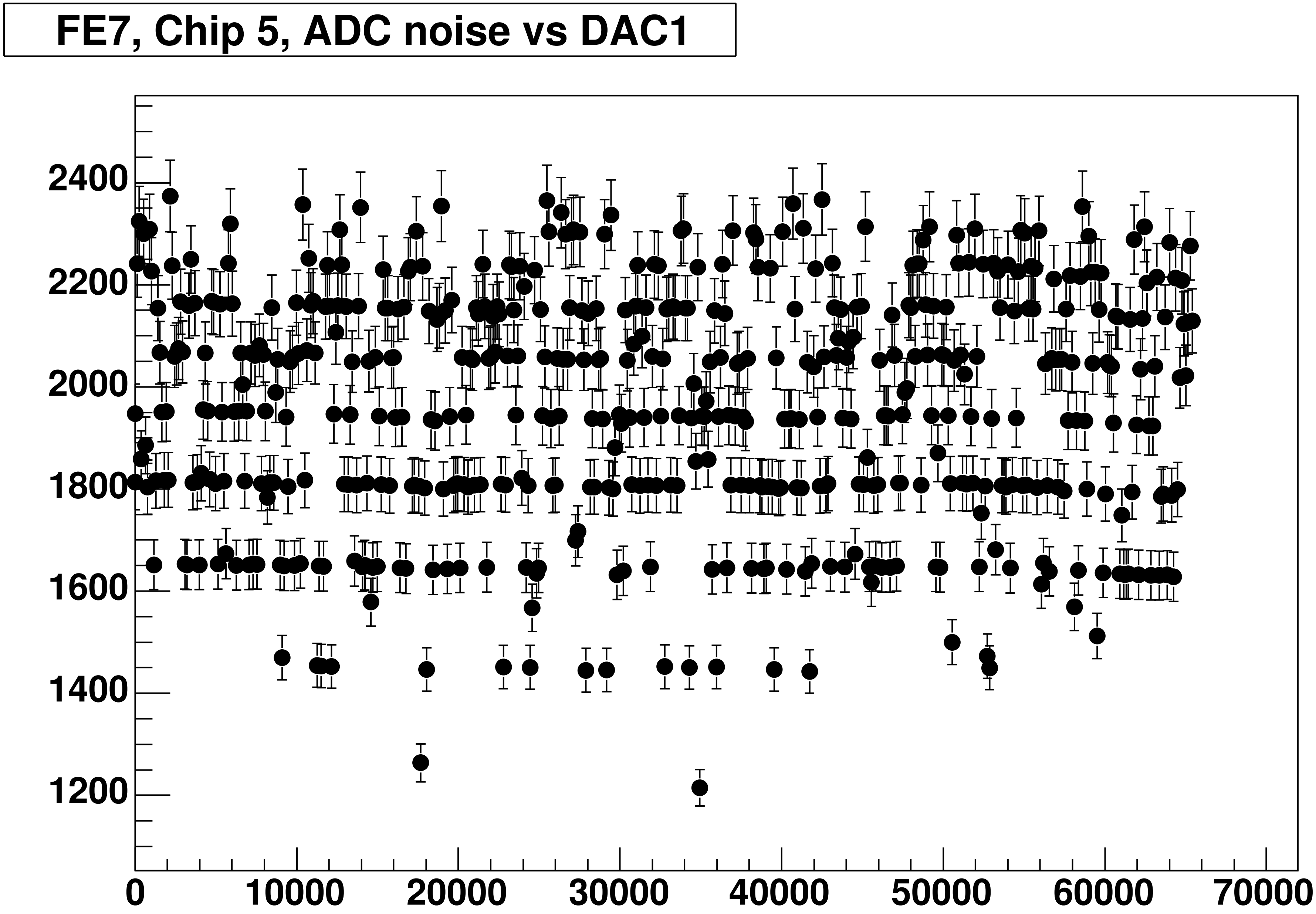

FE7, Chip 5, ADC mean vs DAC0
χ^2 / ndf 4.452e+05 / 502
p0 71.2 ± 0.009795
p1 0.4511 ± 2.966e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

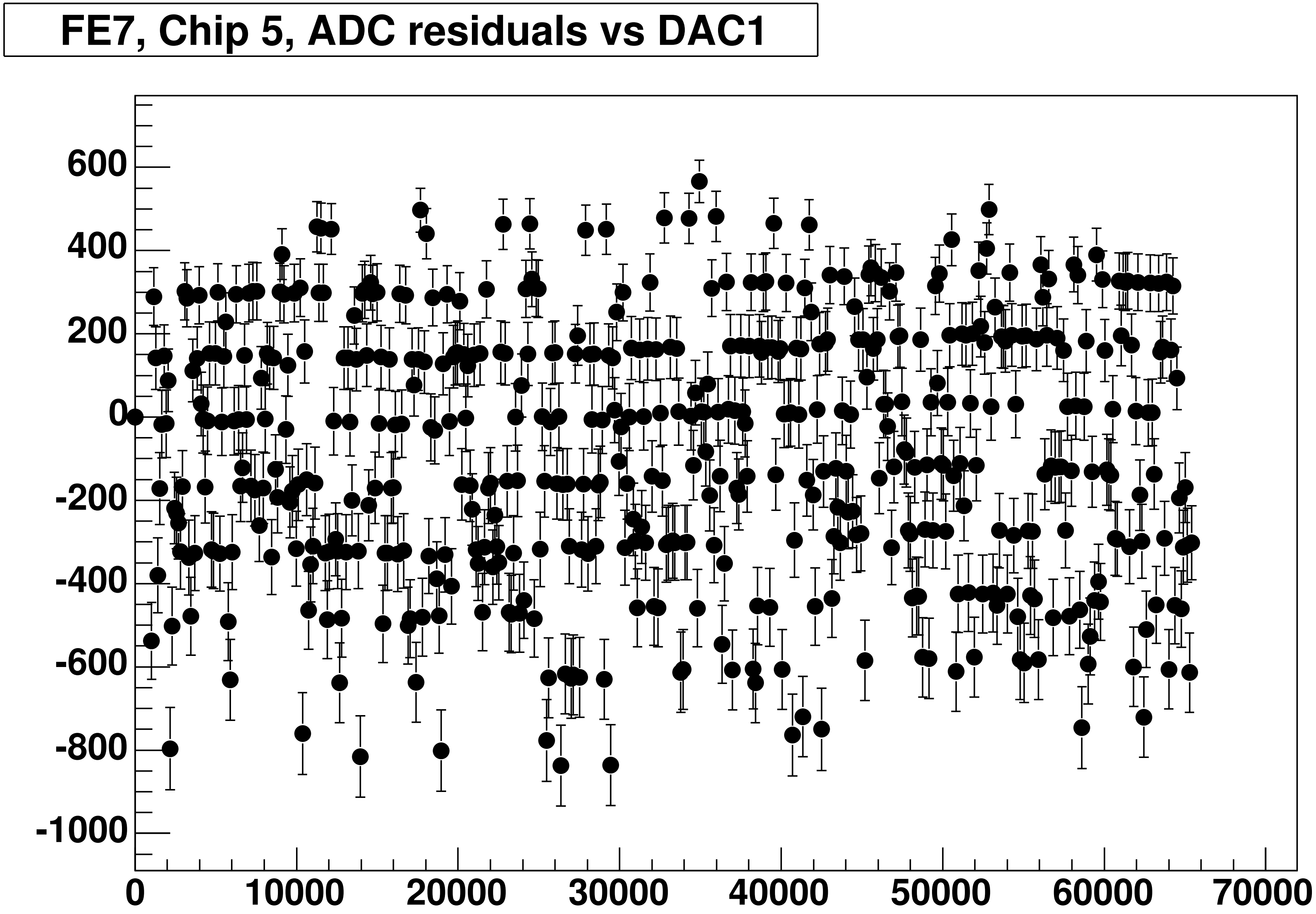

FE7, Chip 5, ADC noise vs DAC0
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 5, ADC residuals vs DAC0
4000
3000
2000
1000
0
-1000
-2000
0
10000
20000
30000
40000
50000
60000
70000



FE7, Chip 5, ADC mean vs DAC1
χ^2 / ndf 7487 / 502
p0 4148 ± 7.252
p1 -0.001384 ± 0.0001912
4800
4600
4400
4200
4000
3800
3600
3400
3200
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 5, ADC noise vs DAC1
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 5, ADC residuals vs DAC1
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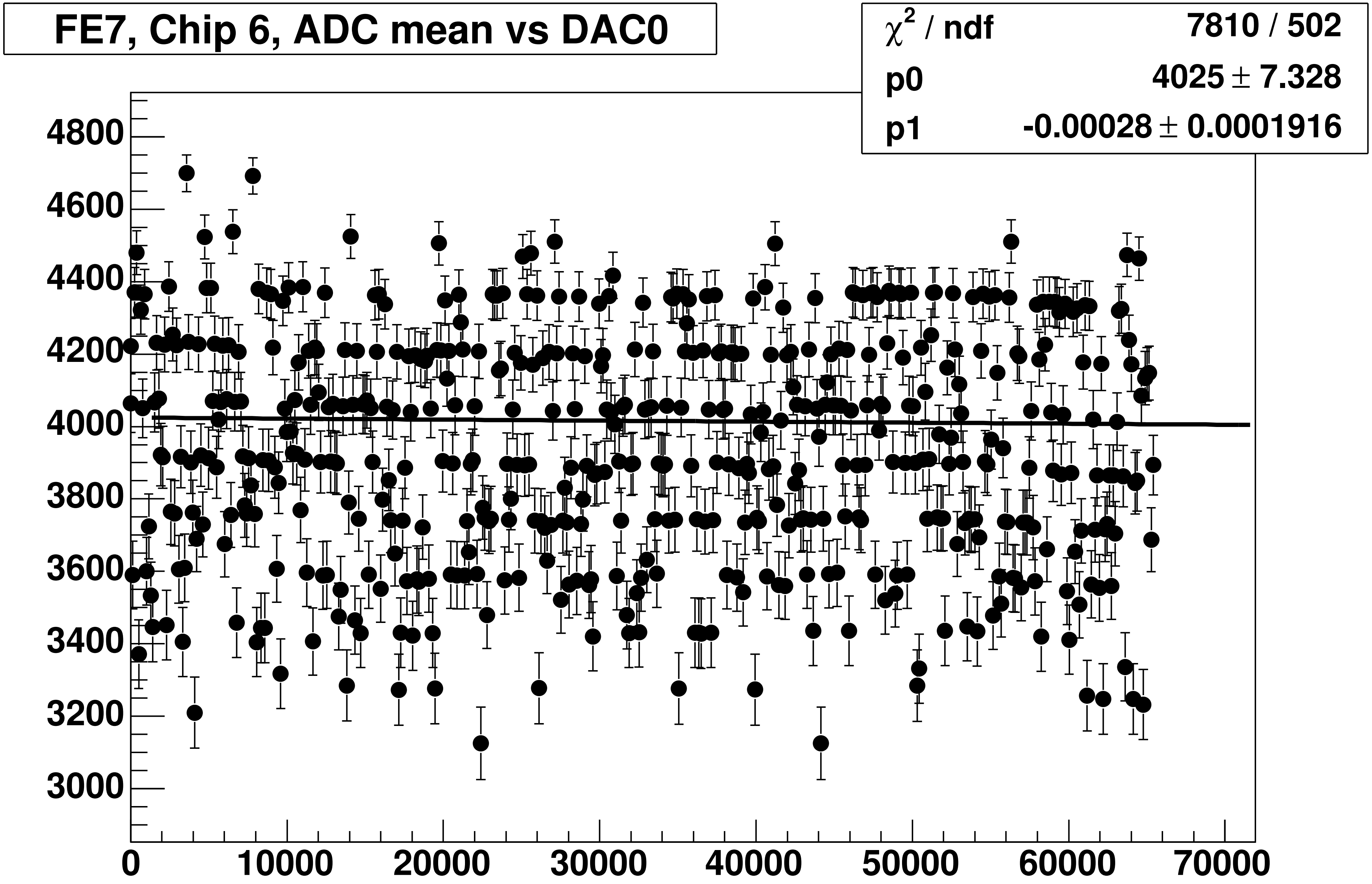
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 6, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 4025 ± 7.328
p1 -0.00028 ± 0.0001916
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
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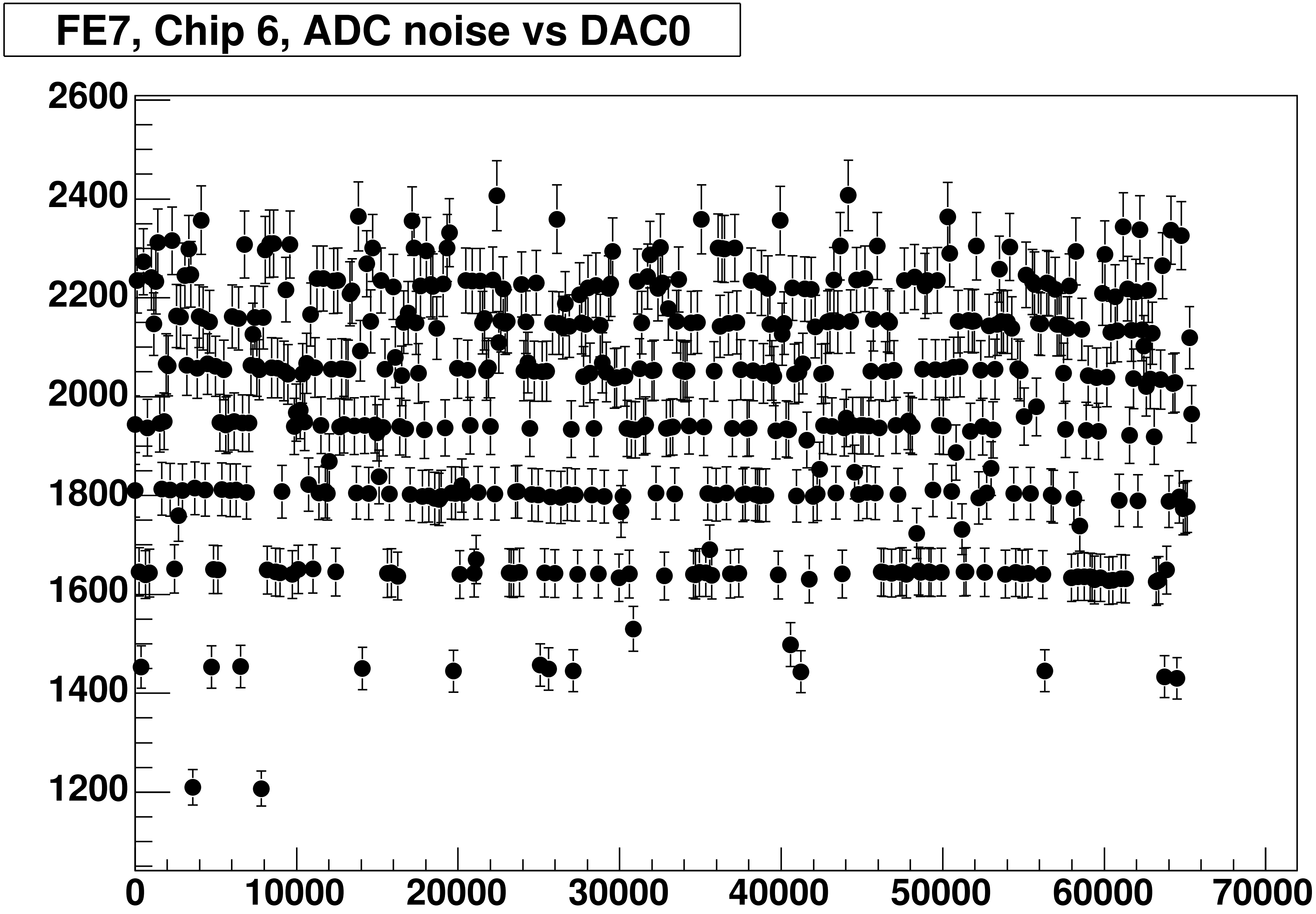

FE7, Chip 6, ADC noise vs DAC0
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2400
2200
2000
1800
1600
1400
1200
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10000
20000
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50000
60000
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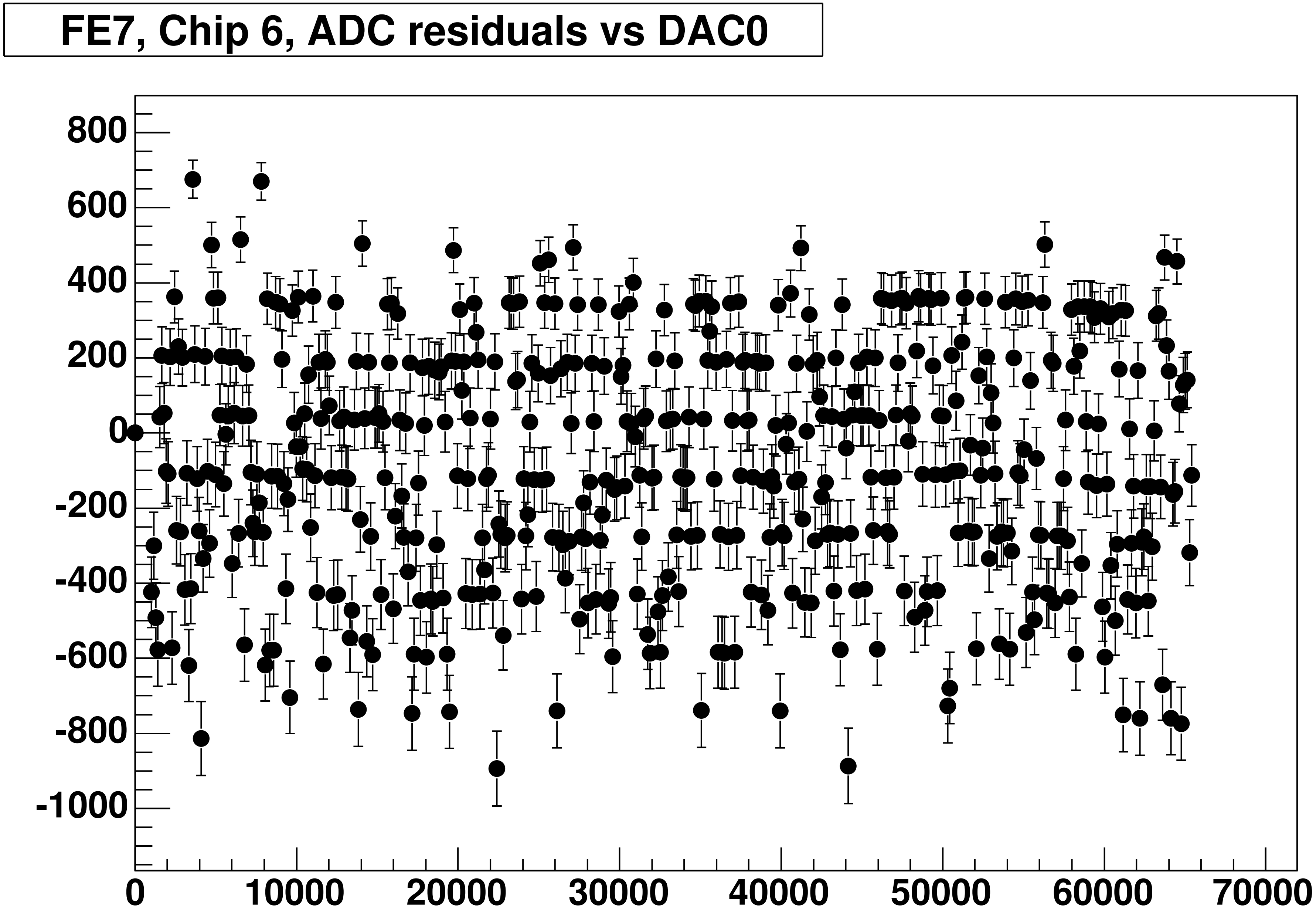
FE7, Chip 6, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
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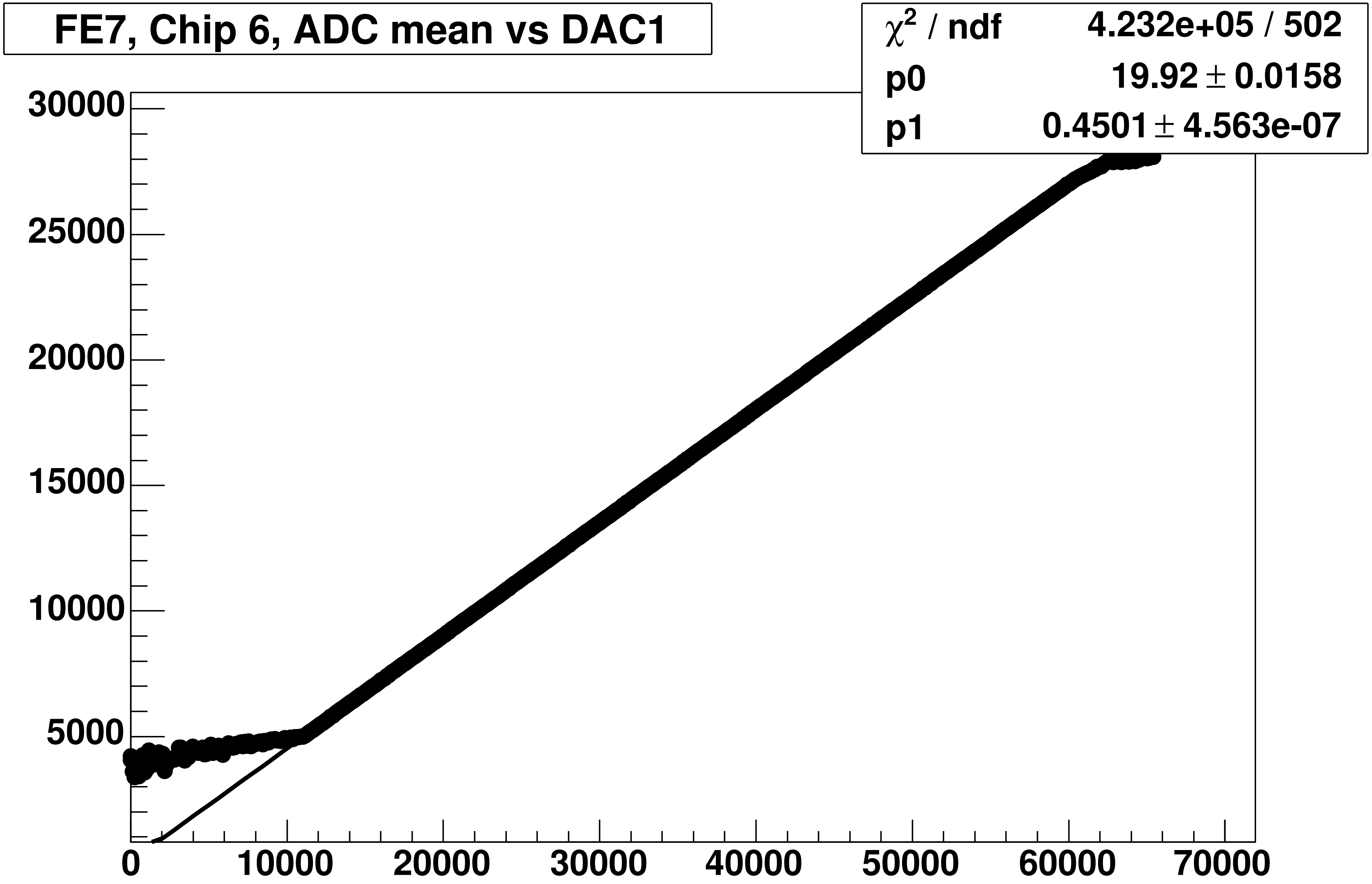
FE7, Chip 6, ADC mean vs DAC1
χ^2 / ndf 4.232e+05 / 502
p0 19.92 ± 0.0158
p1 0.4501 ± 4.563e-07
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20000
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10000
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0
10000
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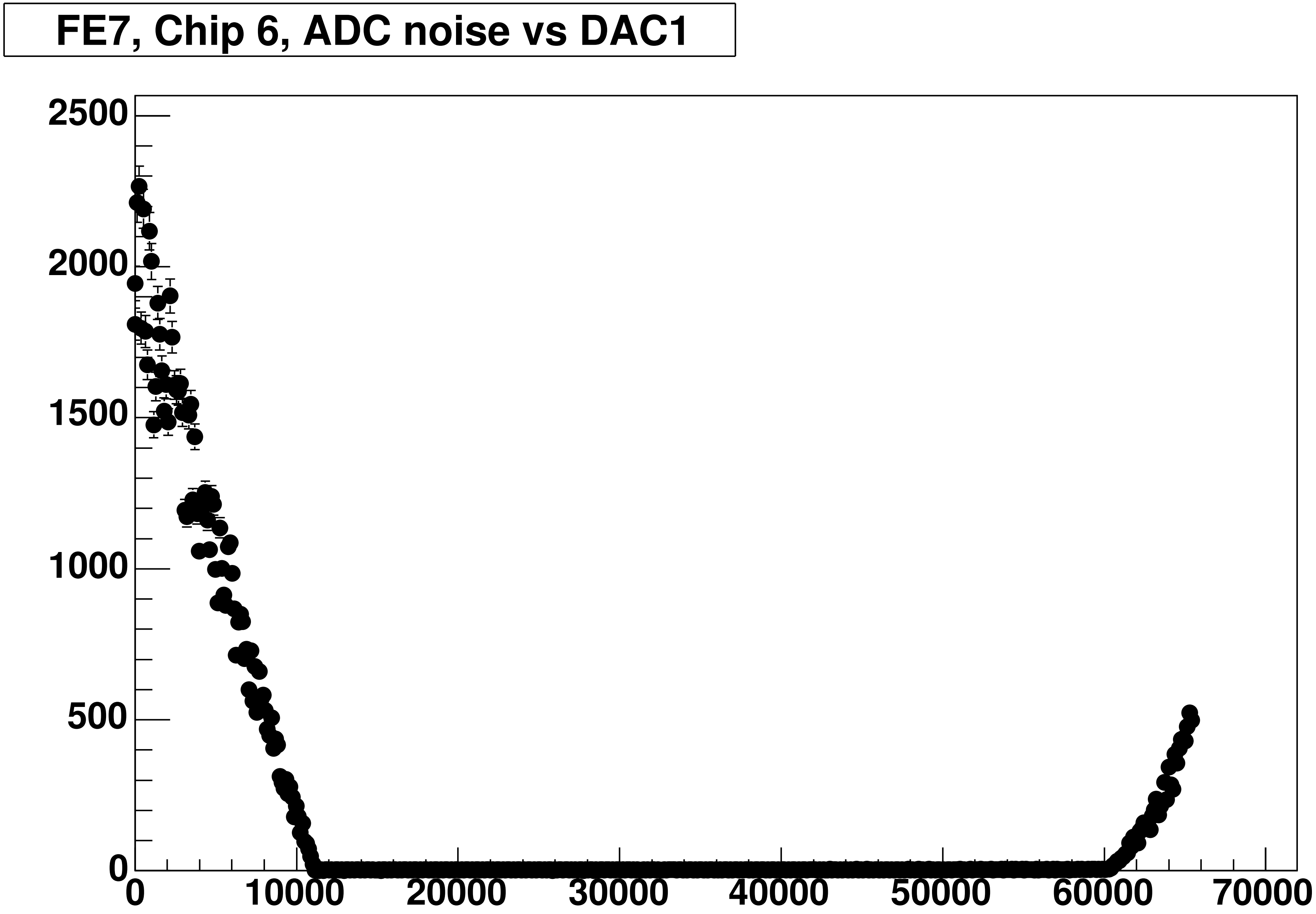
FE7, Chip 6, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
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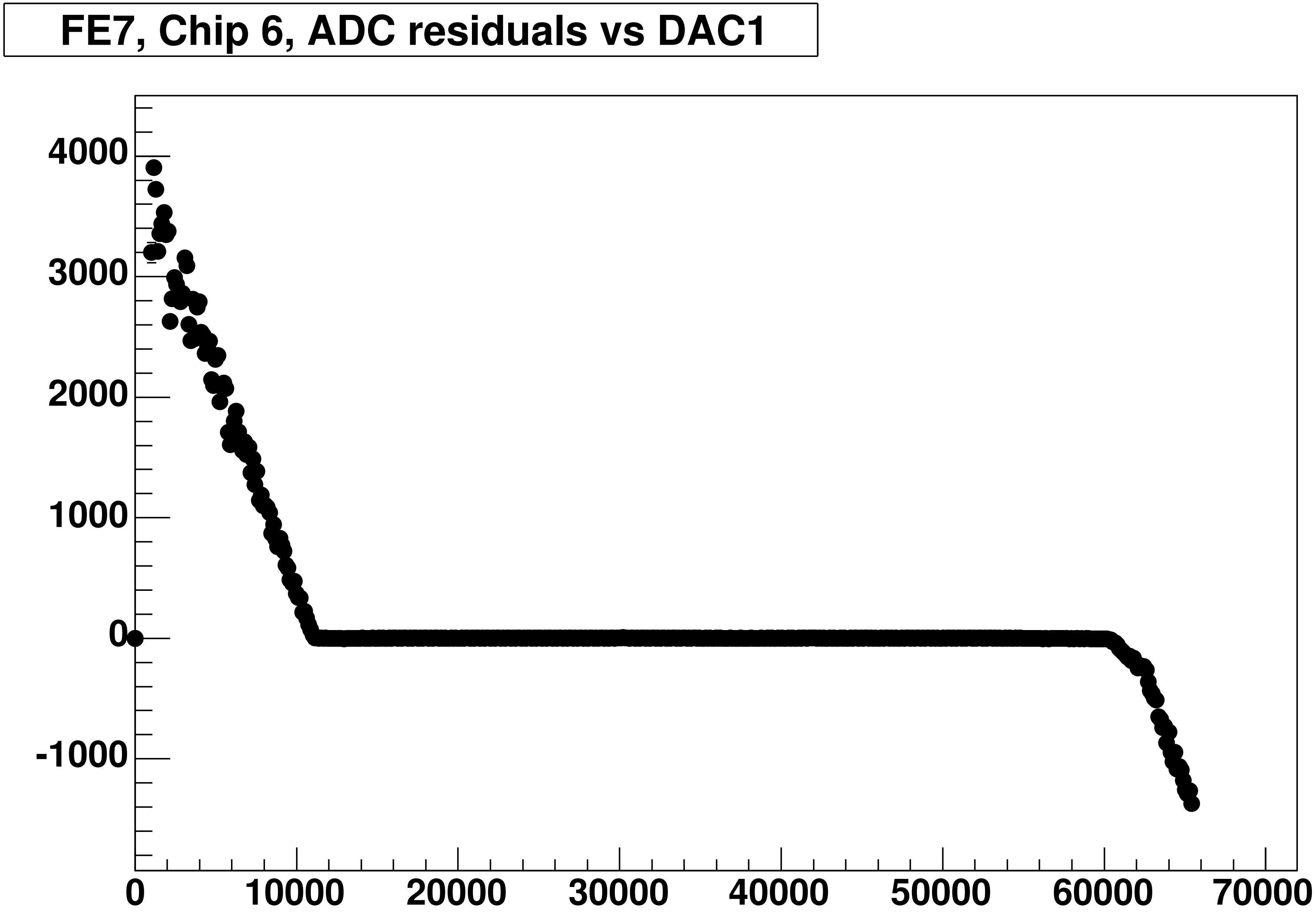
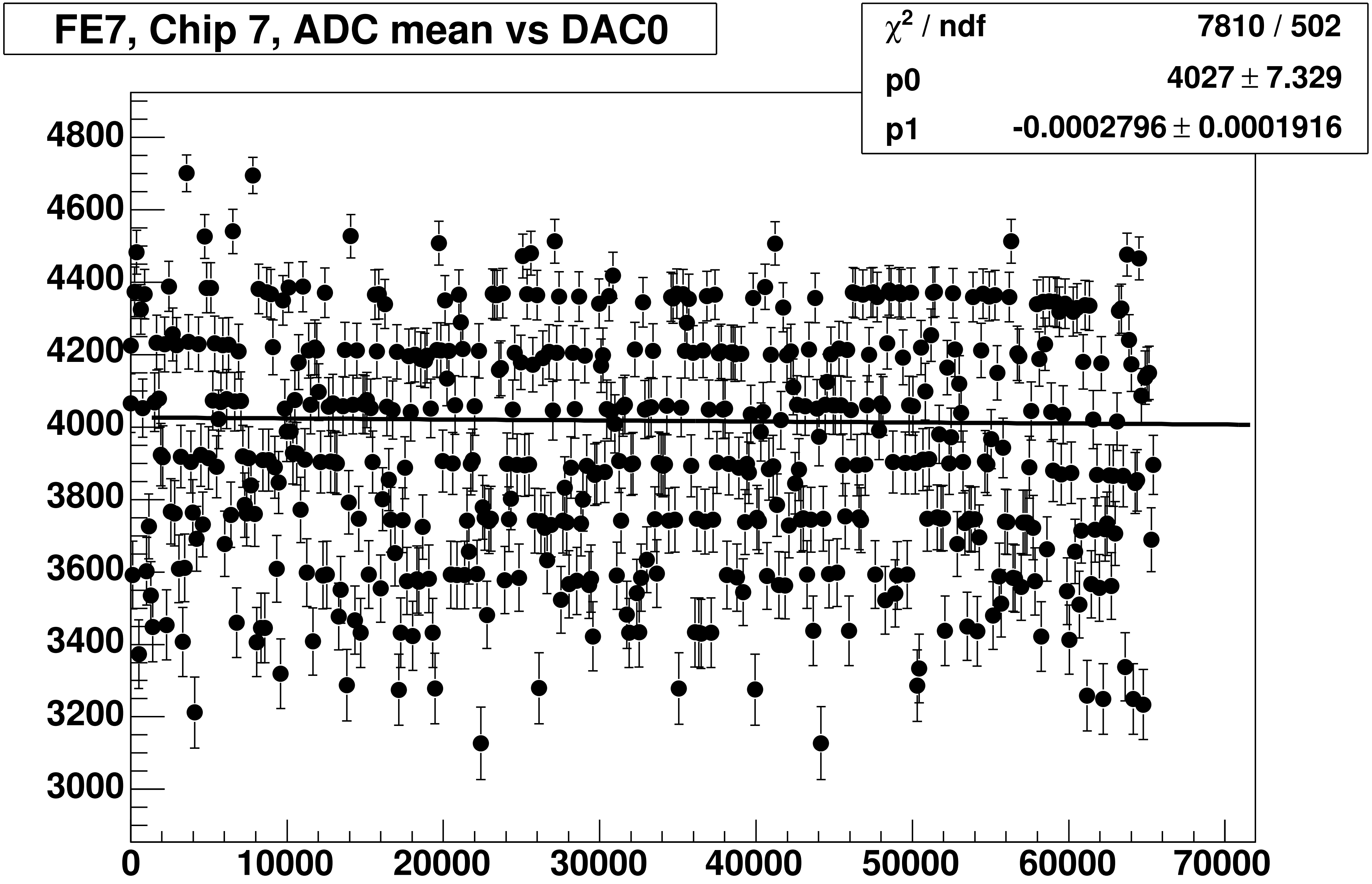

FE7, Chip 6, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 7, ADC mean vs DAC0
χ² / ndf 7810 / 502
p0 4027 ± 7.329
p1 -0.0002796 ± 0.0001916
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
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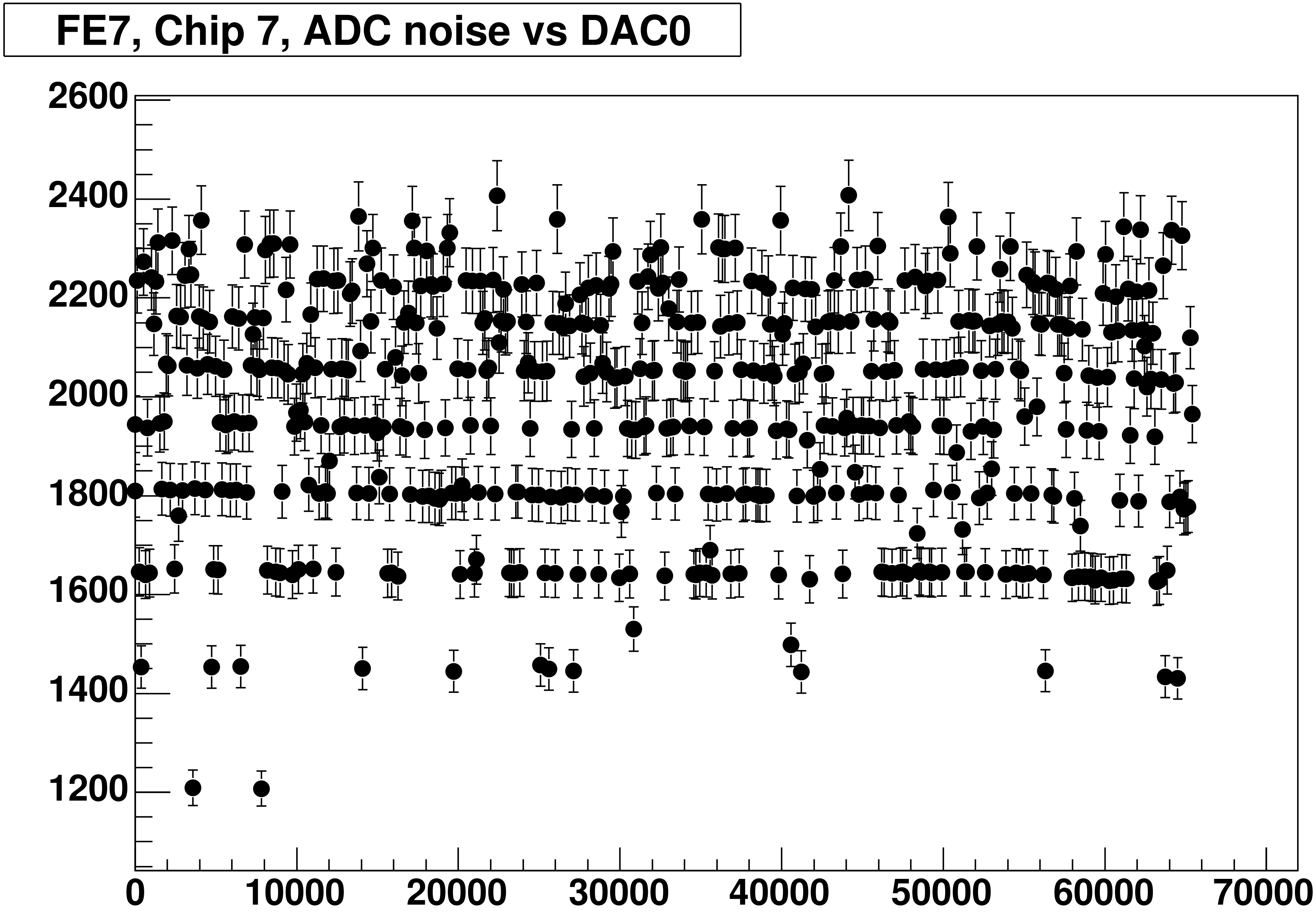
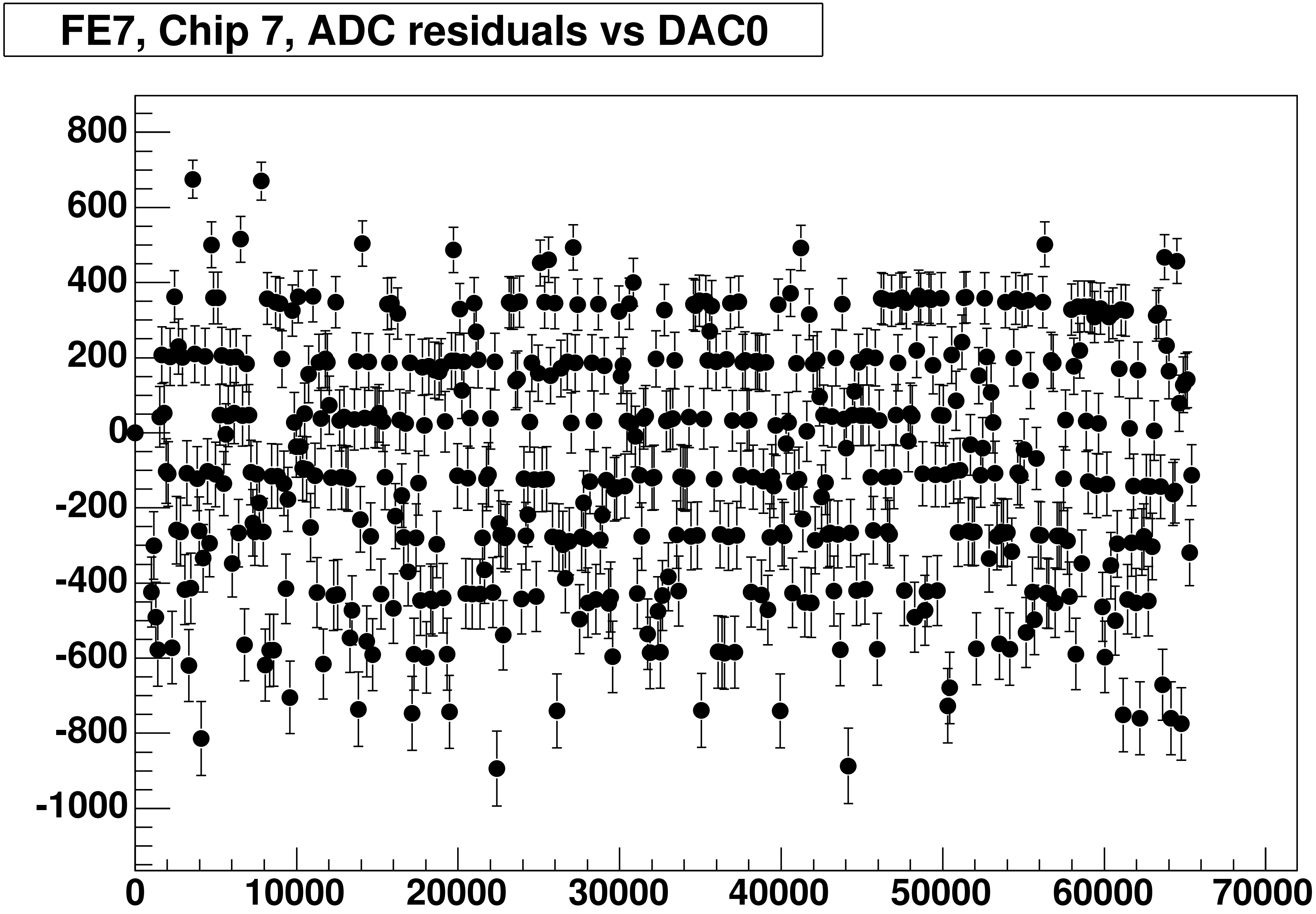
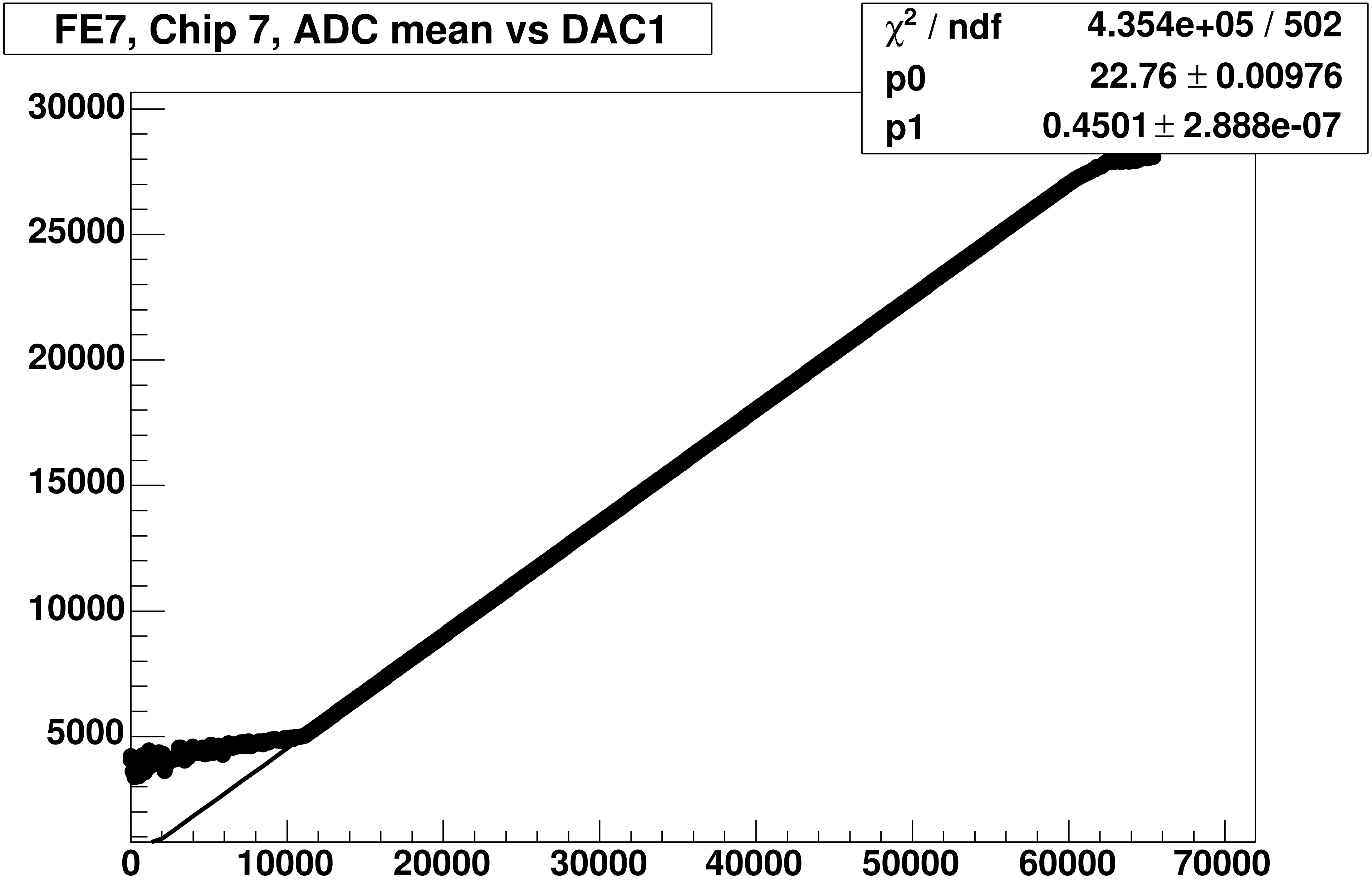


FE7, Chip 7, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000



FE7, Chip 7, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 7, ADC mean vs DAC1
χ^2 / ndf 4.354e+05 / 502
p0 22.76 ± 0.00976
p1 0.4501 ± 2.888e-07
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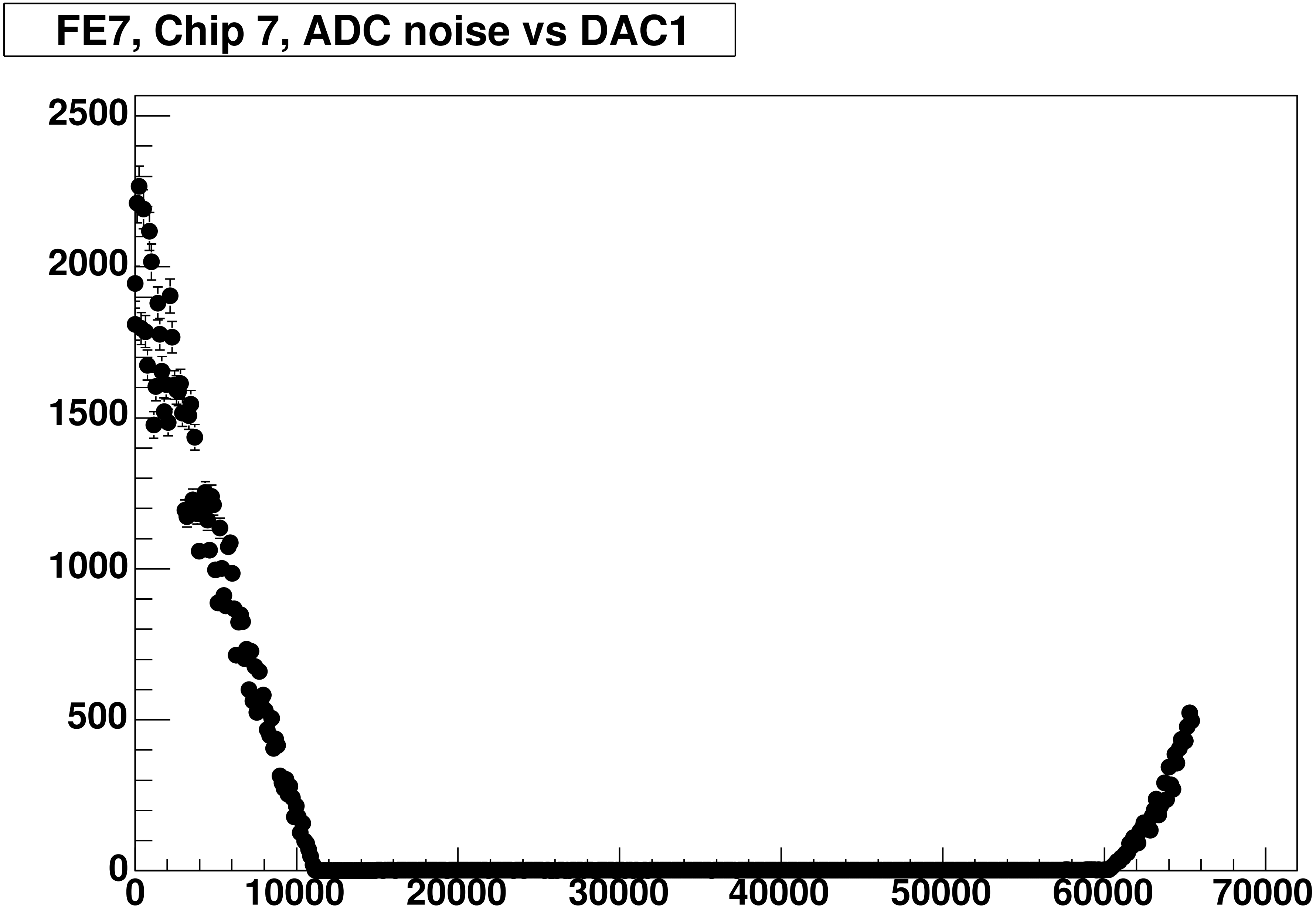
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 7, ADC noise vs DAC1
0
500
1000
1500
2000
2500
0
10000
20000
30000
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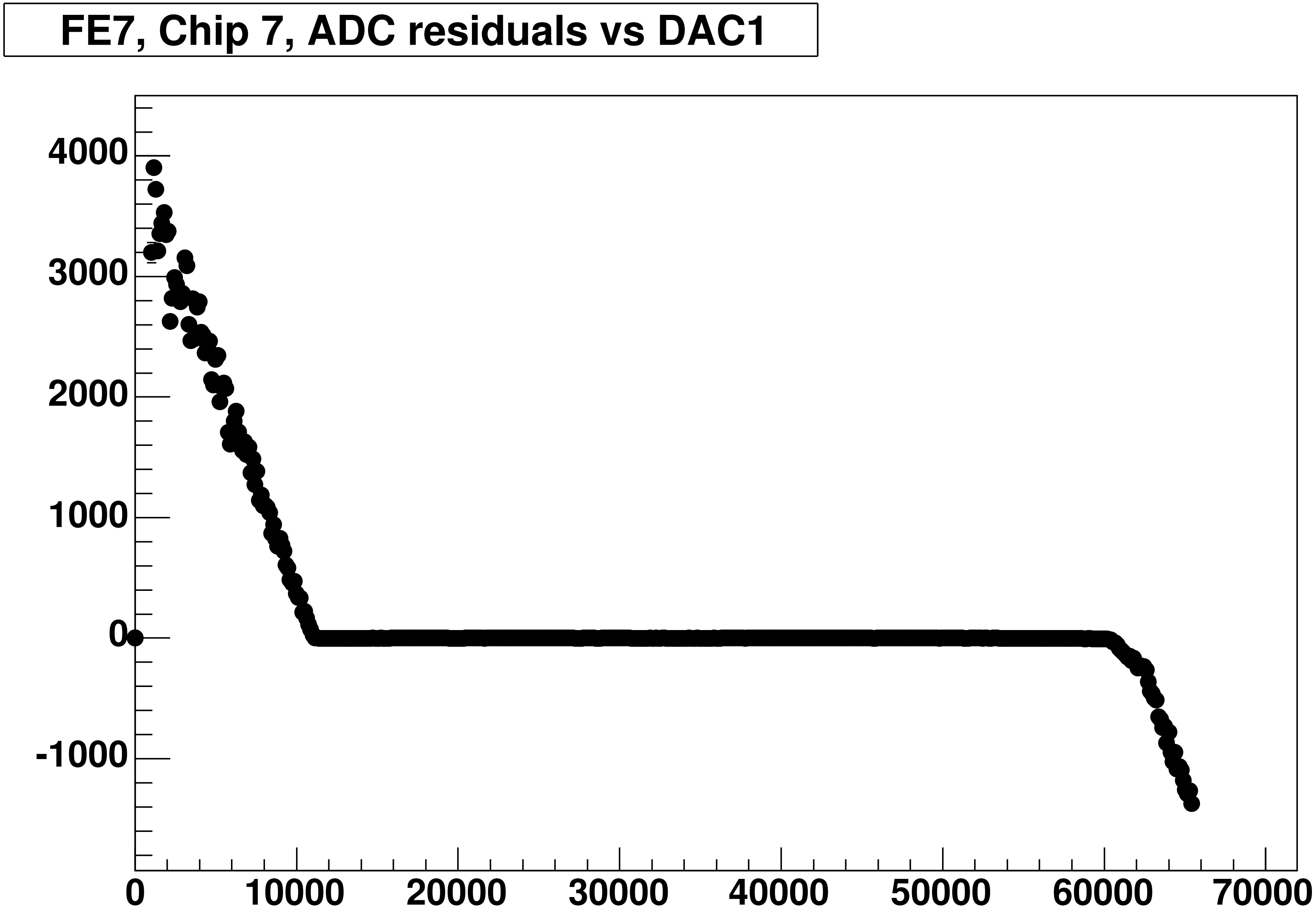
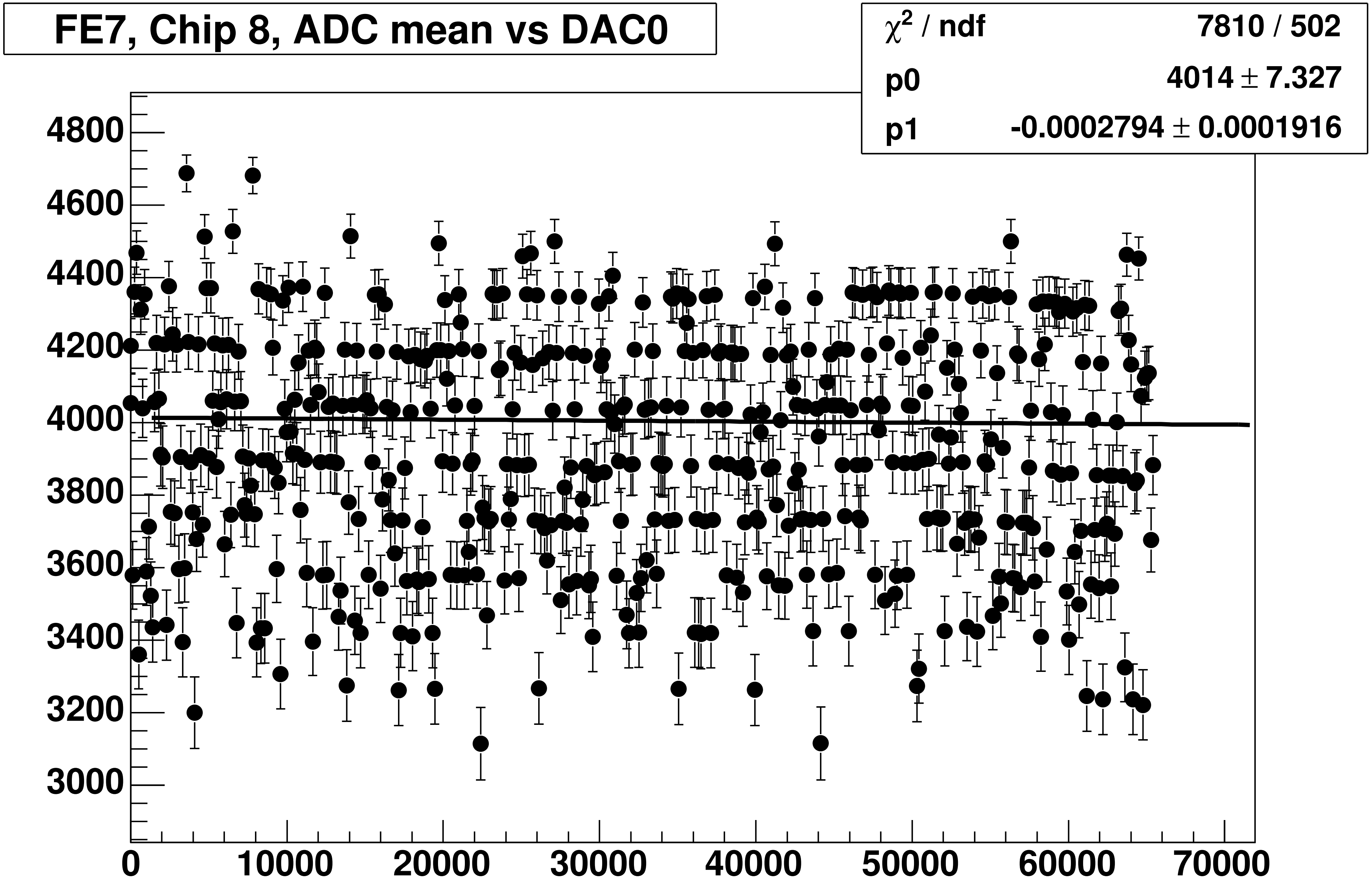
50000
60000
70000


FE7, Chip 7, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



FE7, Chip 8, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 4014 ± 7.327
p1 -0.0002794 ± 0.0001916
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
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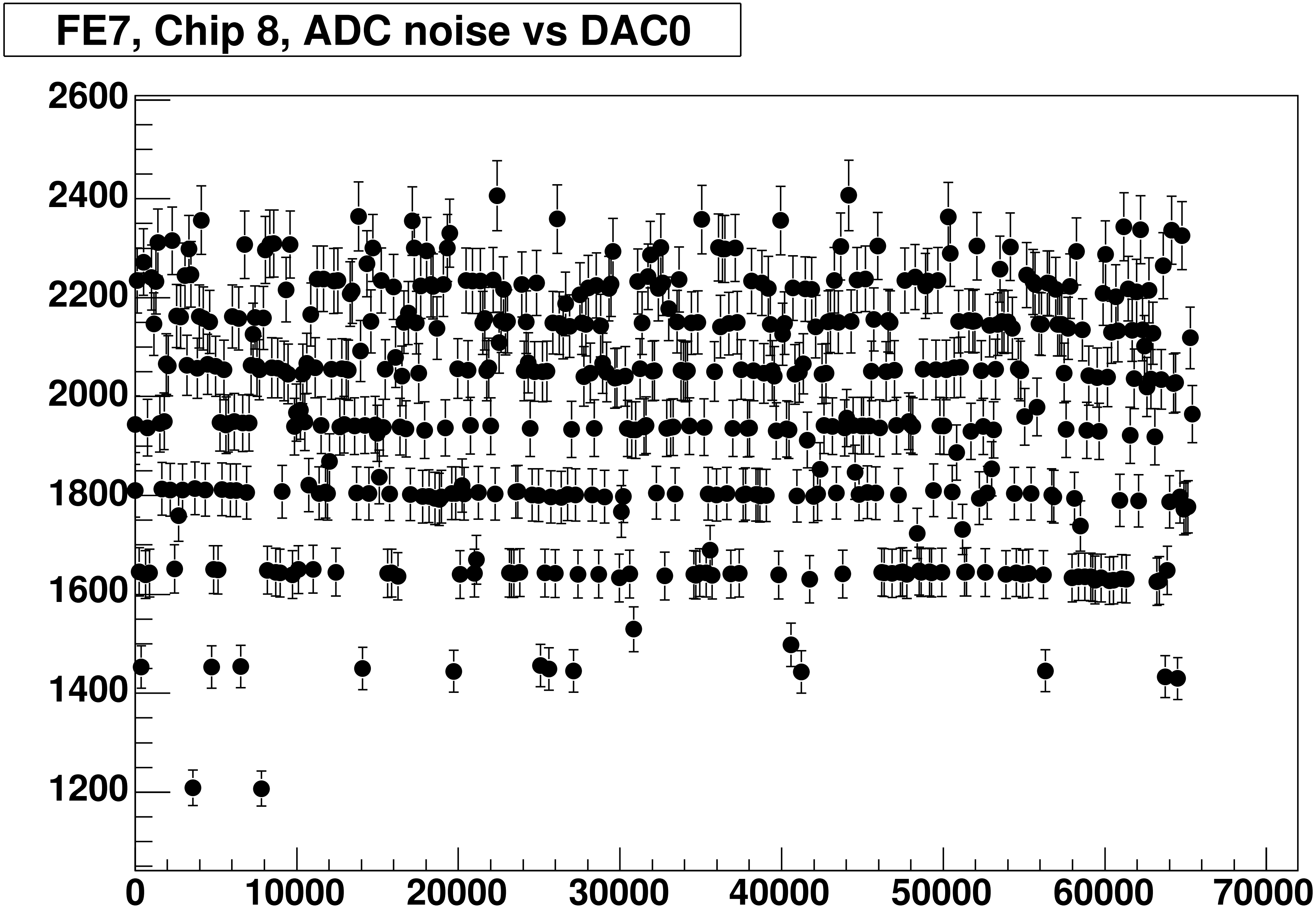
70000


FE7, Chip 8, ADC noise vs DAC0
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2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
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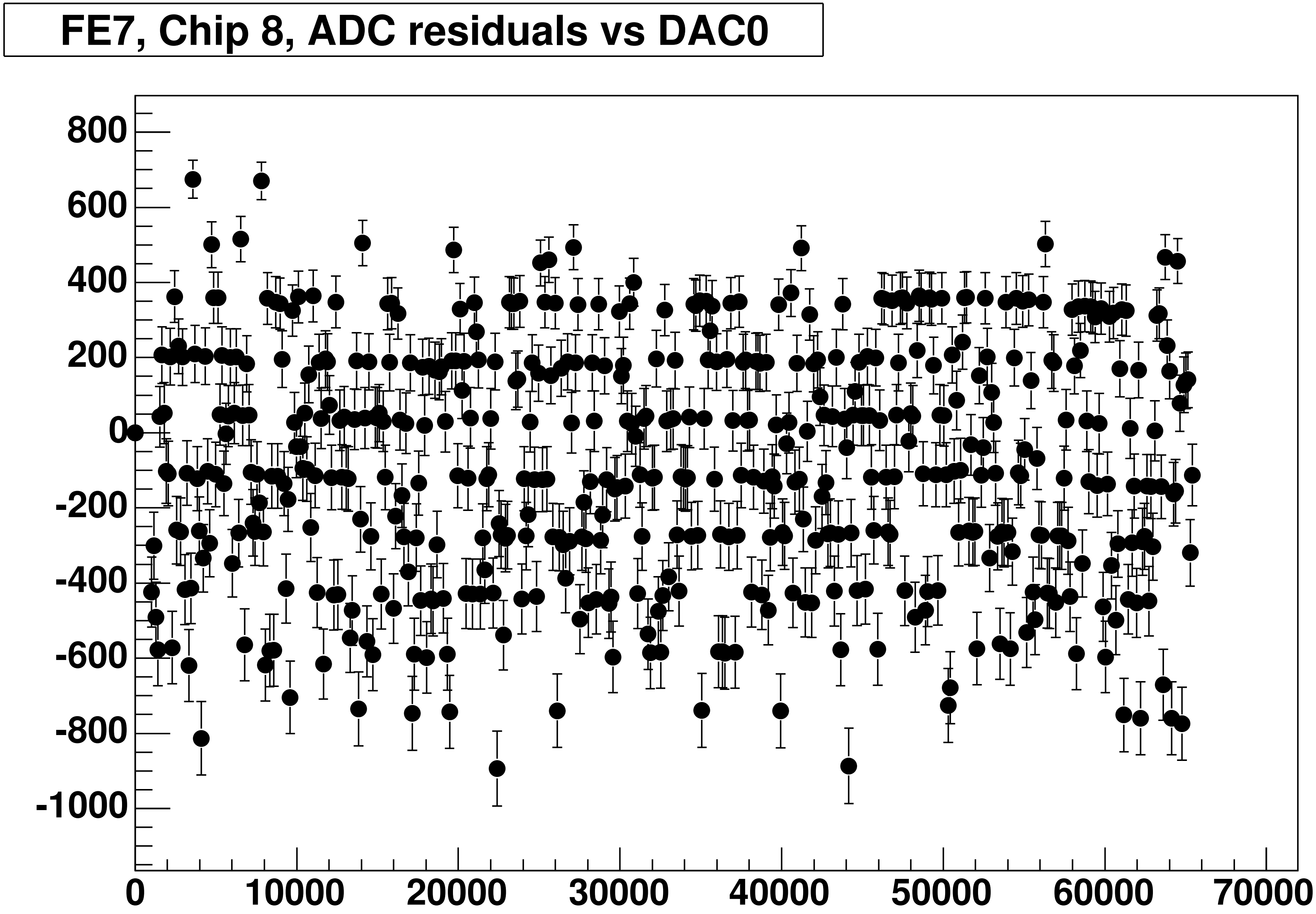
50000
60000
70000


FE7, Chip 8, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
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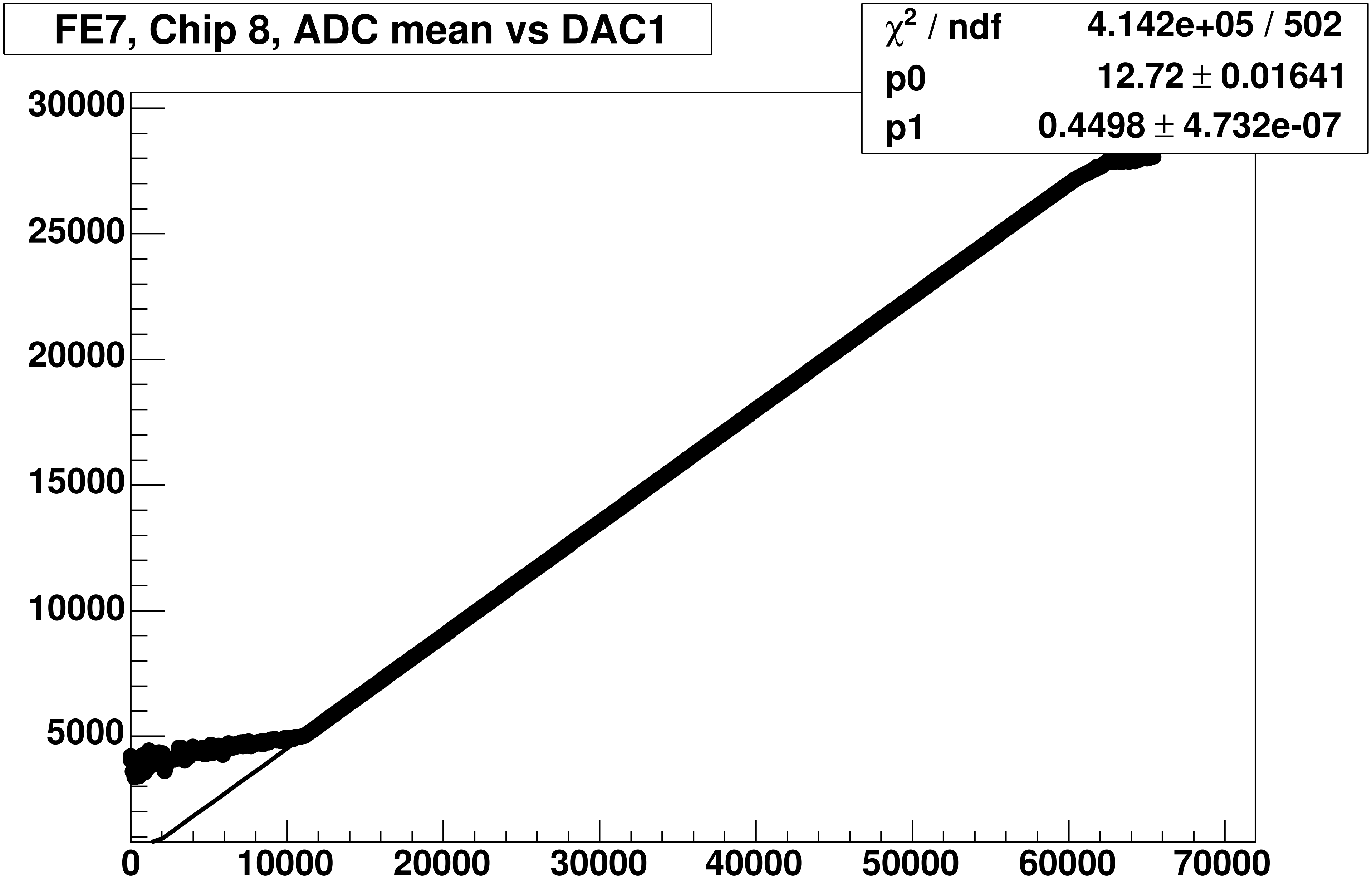
40000
50000
60000
70000



FE7, Chip 8, ADC mean vs DAC1
χ^2 / ndf 4.142e+05 / 502
p0 12.72 ± 0.01641
p1 0.4498 ± 4.732e-07
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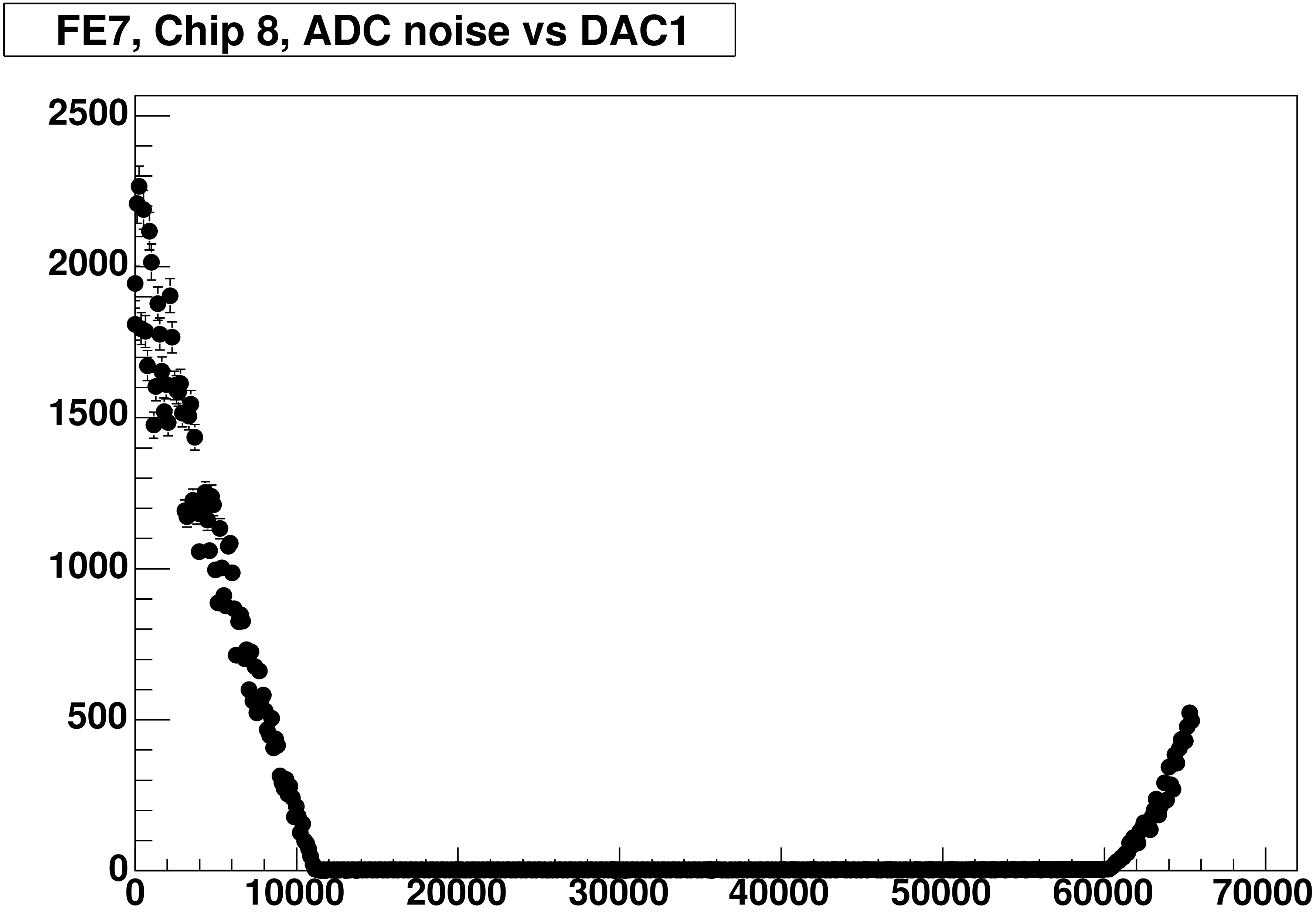
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 8, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
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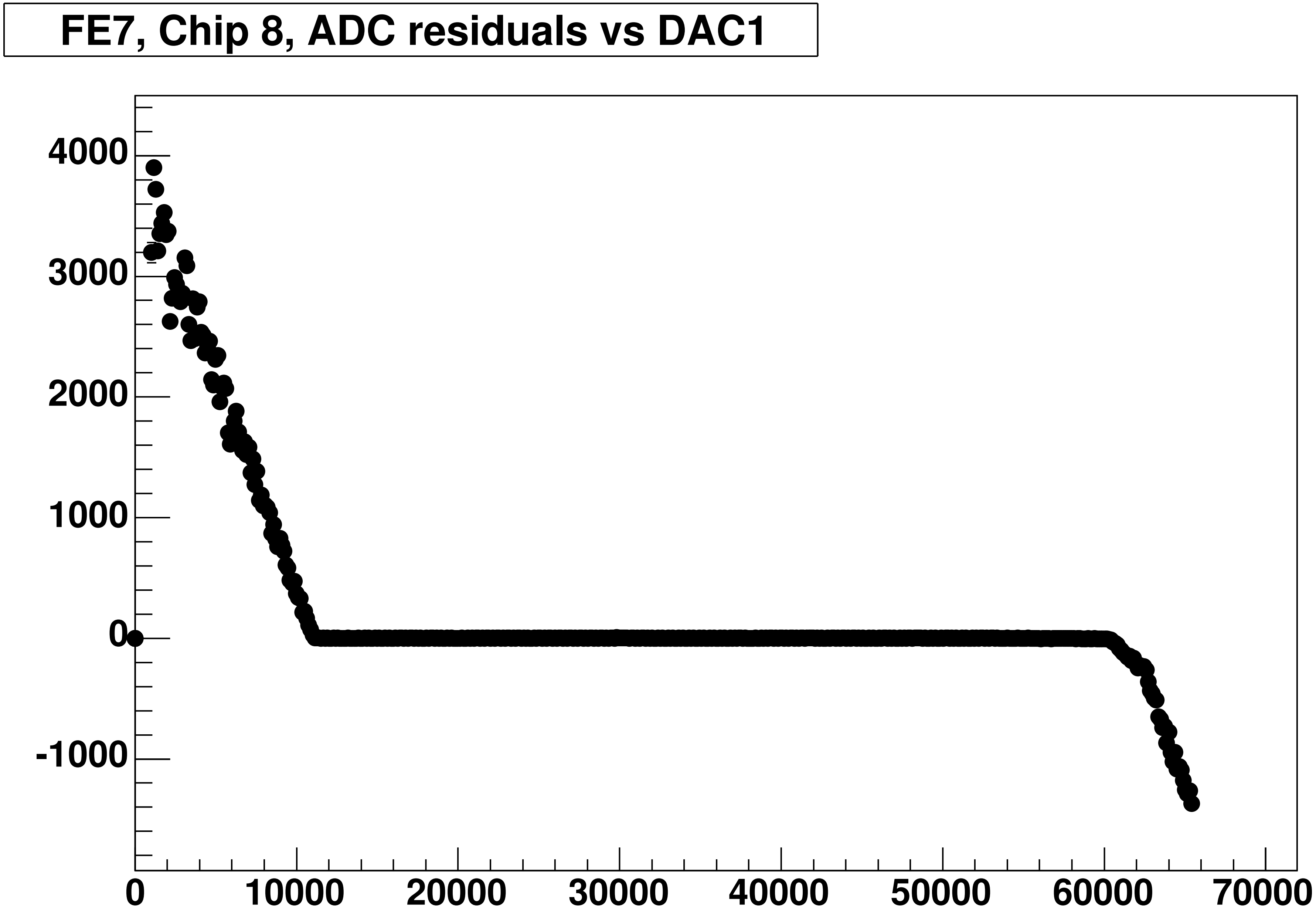
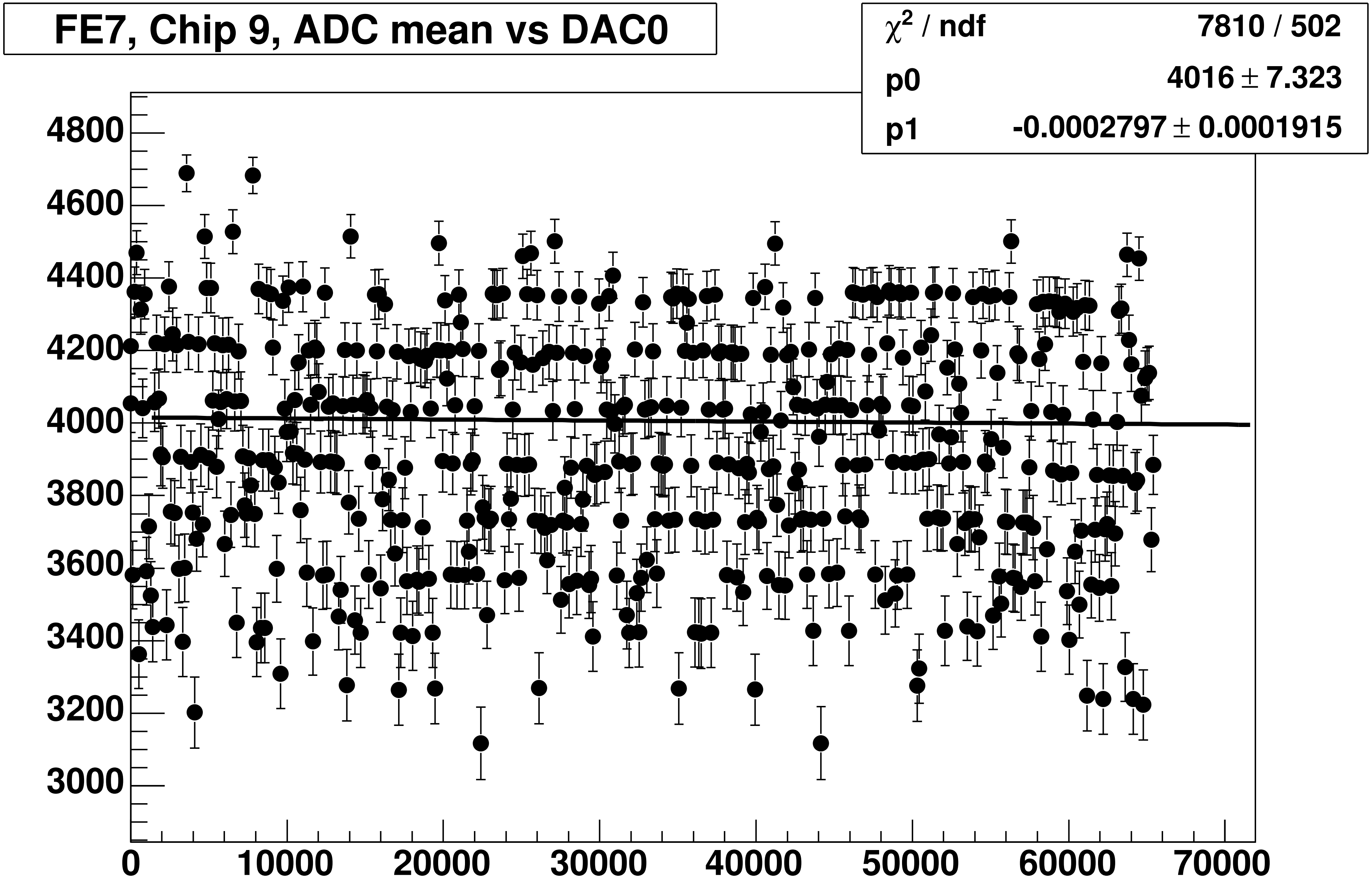
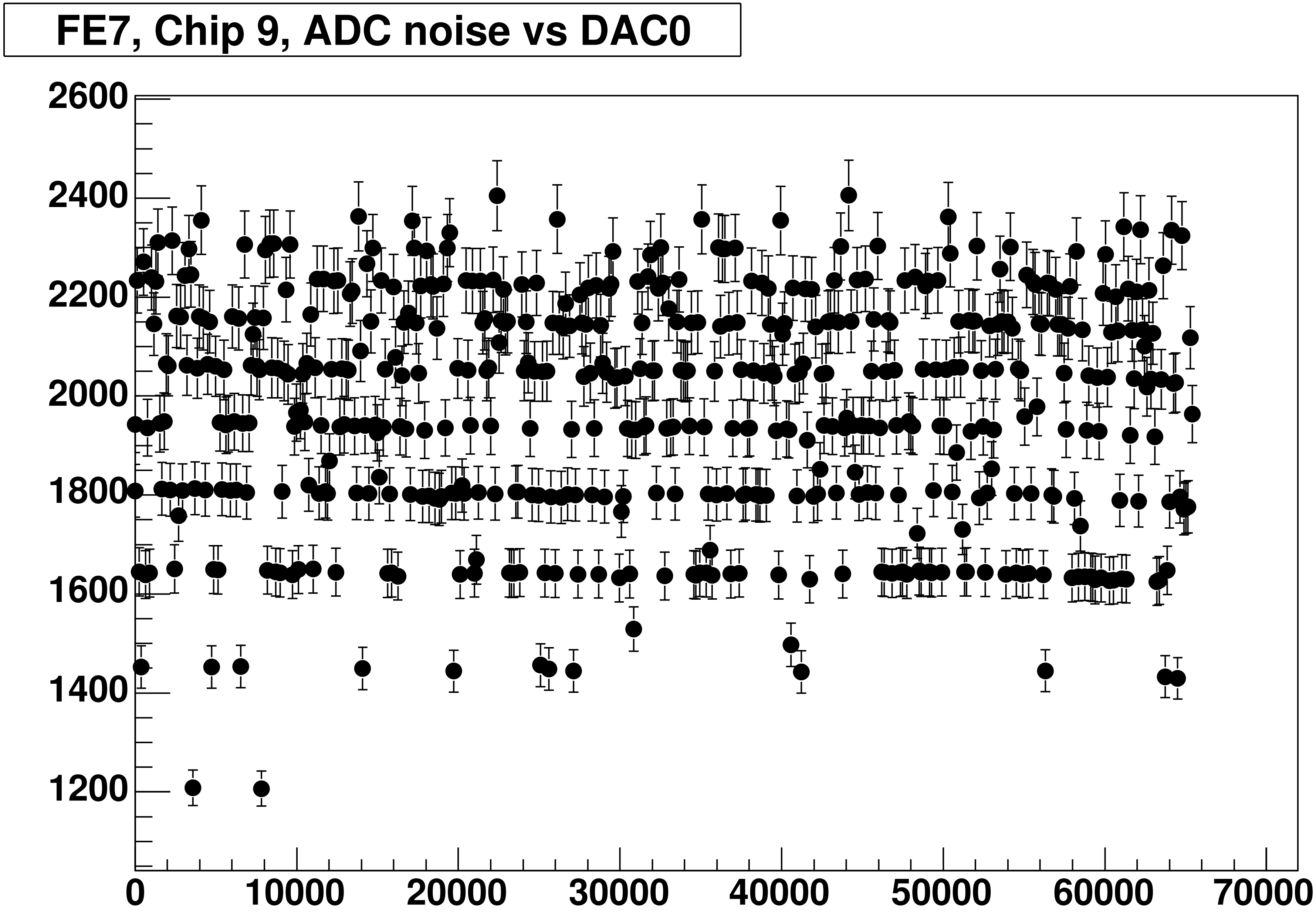

FE7, Chip 8, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000



FE7, Chip 9, ADC mean vs DAC0
χ^2 / ndf 7810 / 502
p0 4016 ± 7.323
p1 -0.0002797 ± 0.0001915
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 9, ADC noise vs DAC0
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2400
2200
2000
1800
1600
1400
1200
0
10000
20000
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40000
50000
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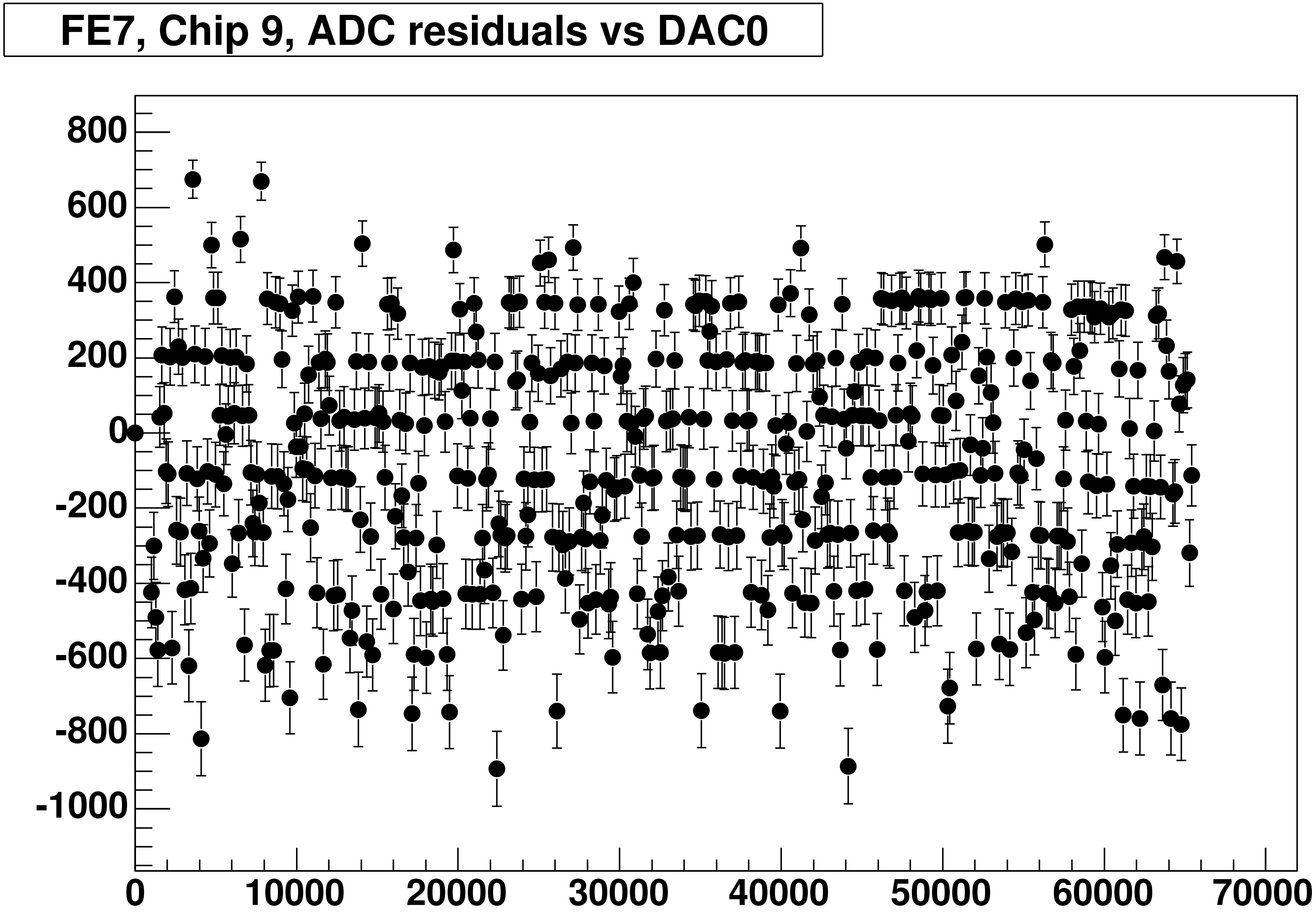
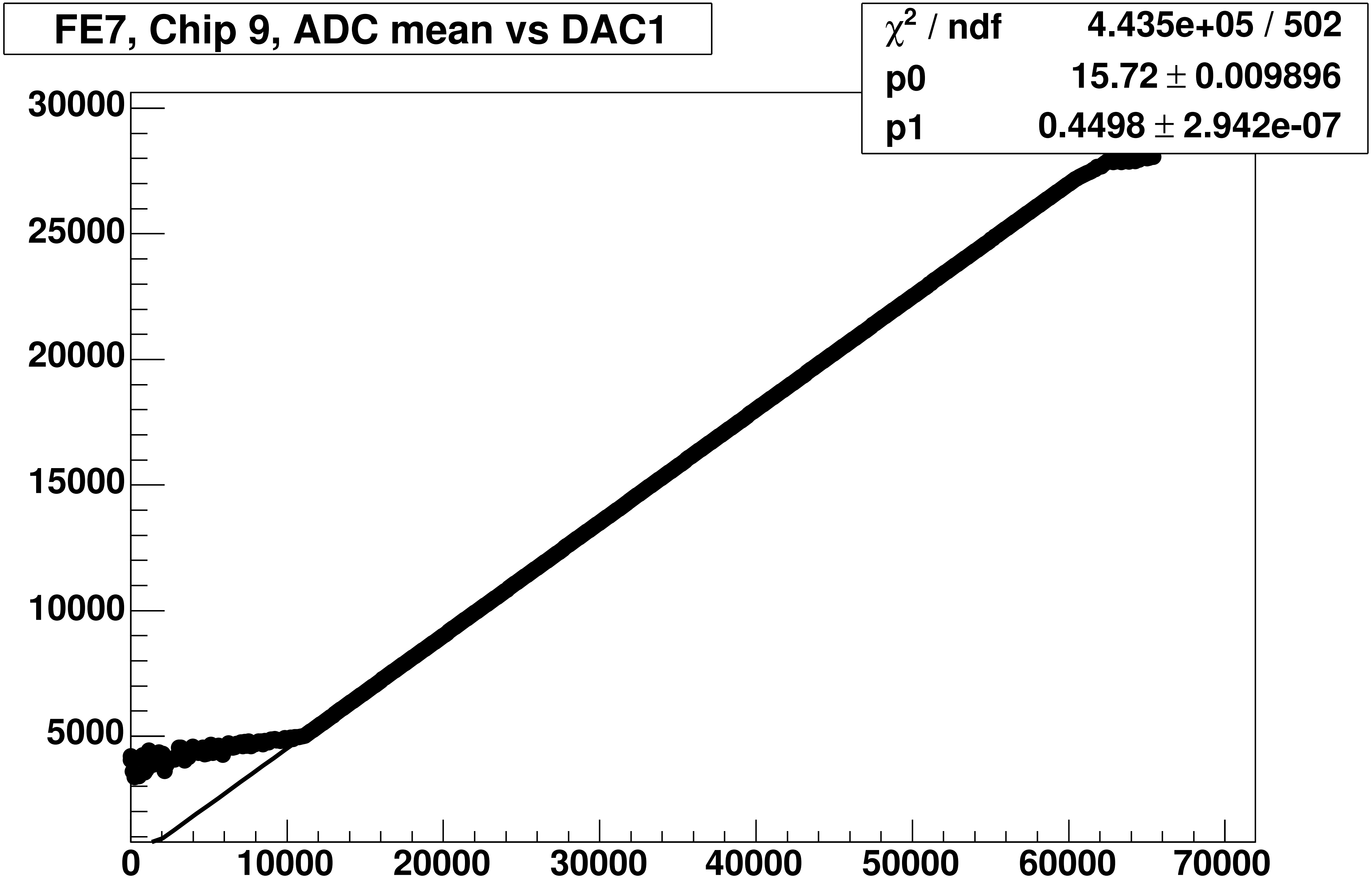
70000


FE7, Chip 9, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 9, ADC mean vs DAC1
χ2 / ndf 4.435e+05 / 502
p0 15.72 ± 0.009896
p1 0.4498 ± 2.942e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
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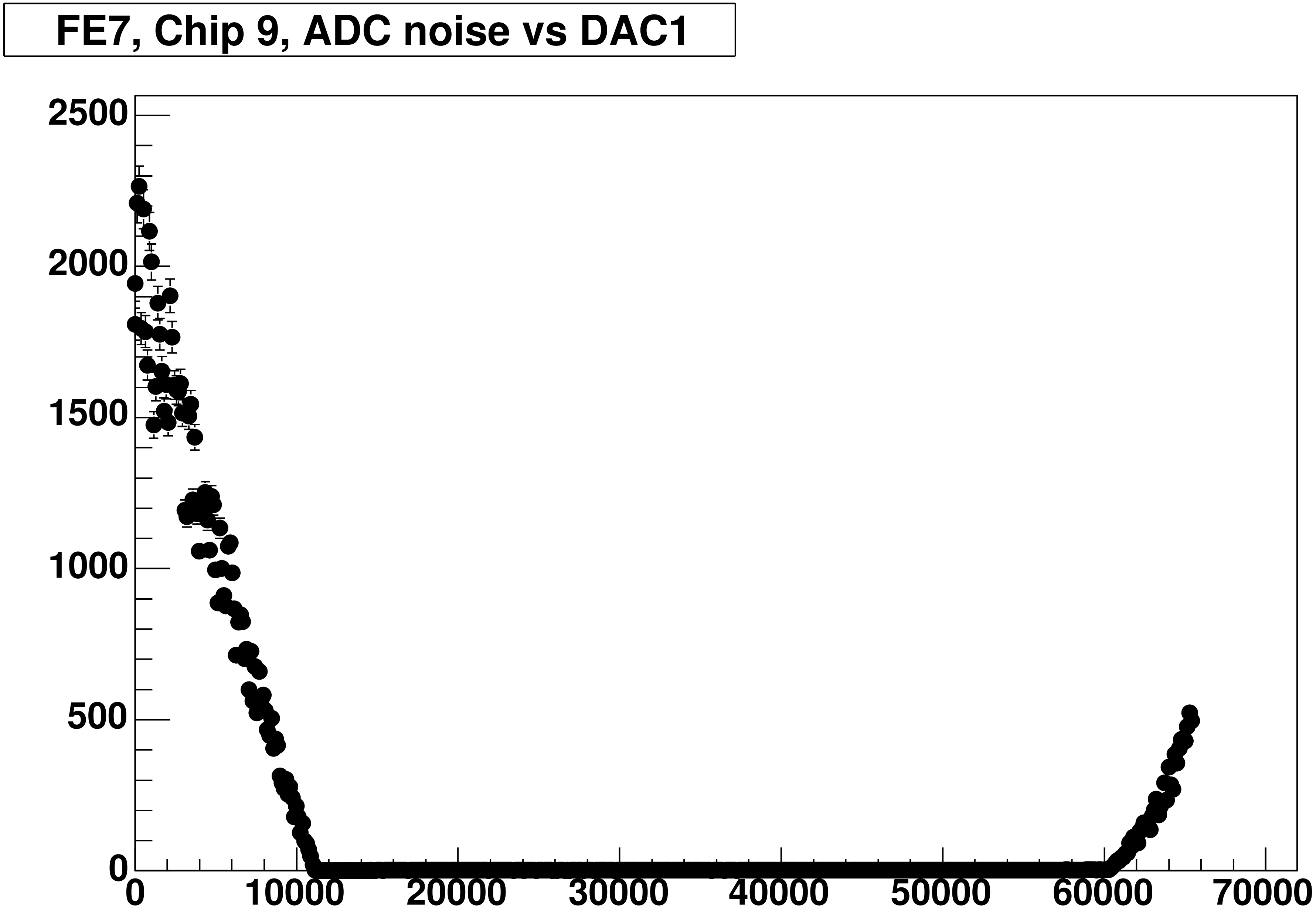
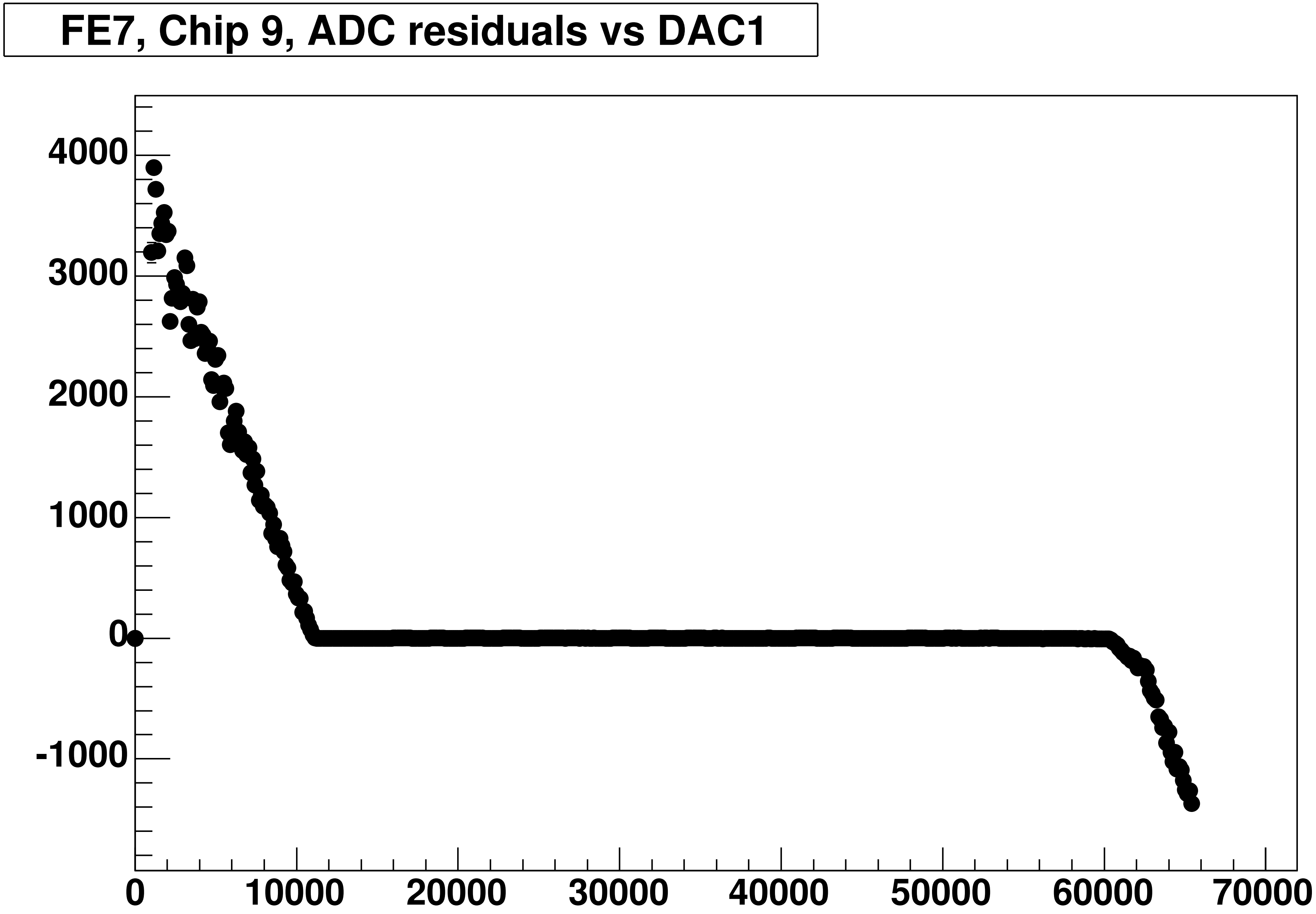


FE7, Chip 9, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 9, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
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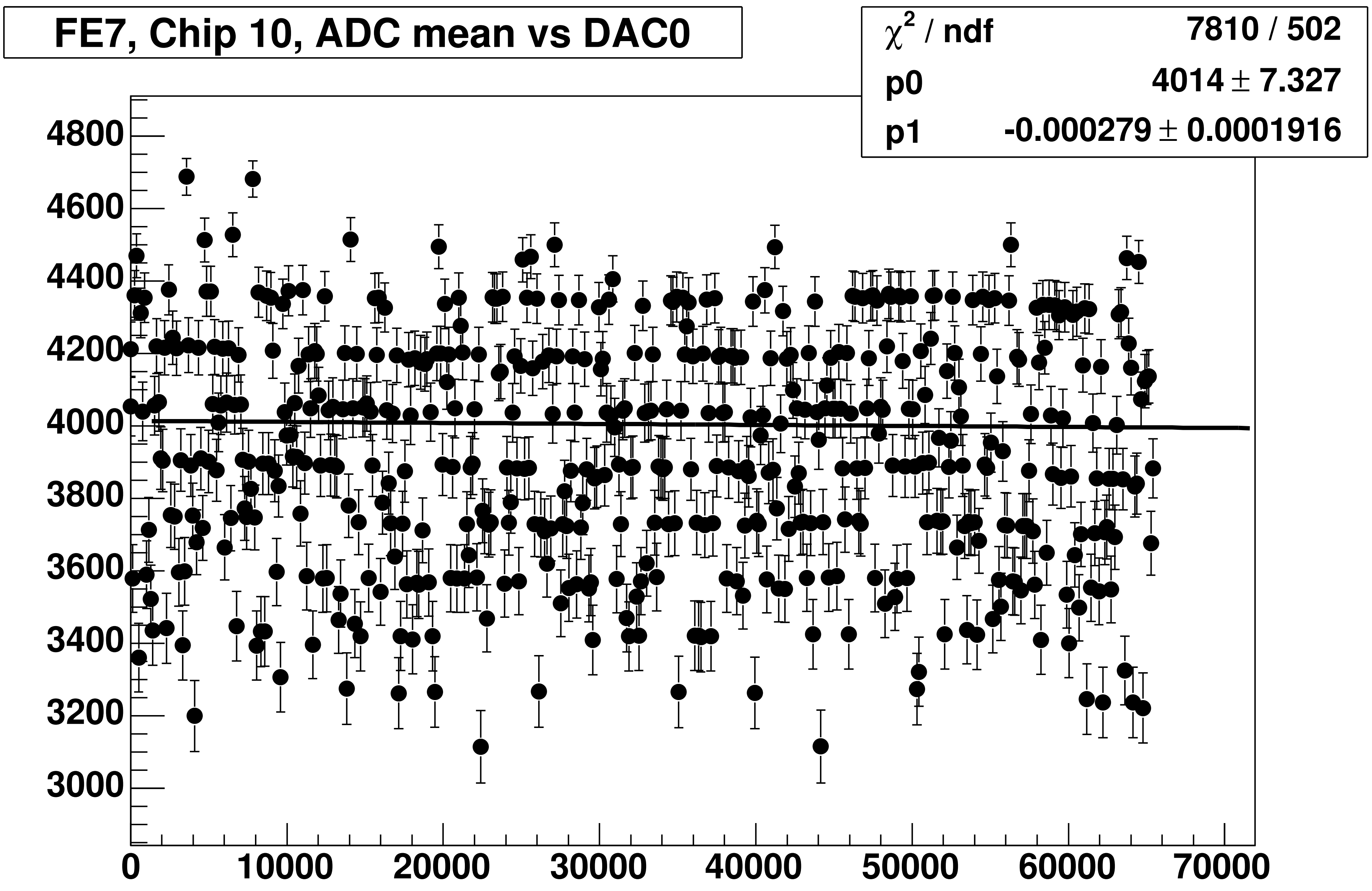
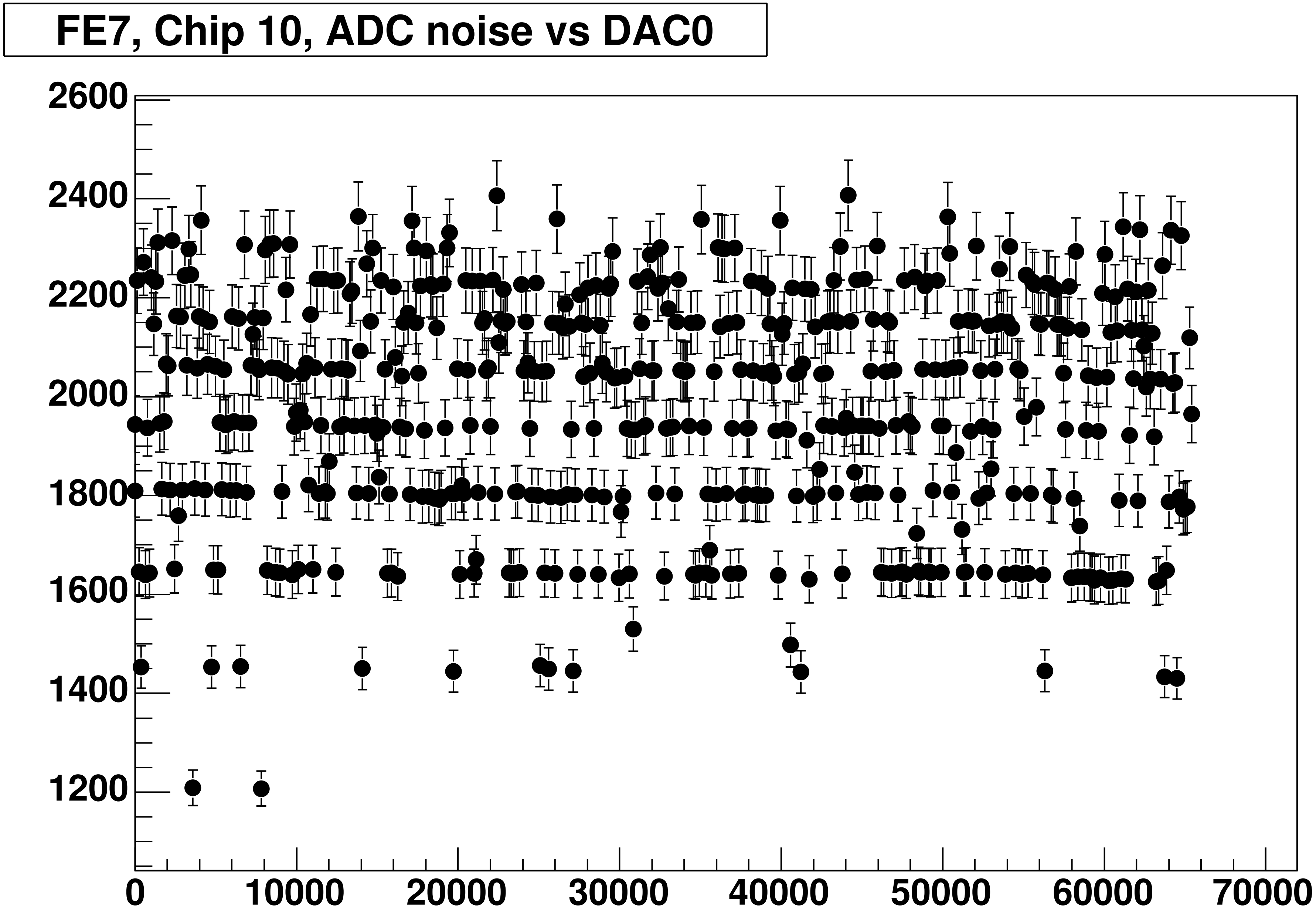
70000



FE7, Chip 10, ADC mean vs DAC0
χ2 / ndf 7810 / 502
p0 4014 ± 7.327
p1 -0.000279 ± 0.0001916
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 10, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
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10000
20000
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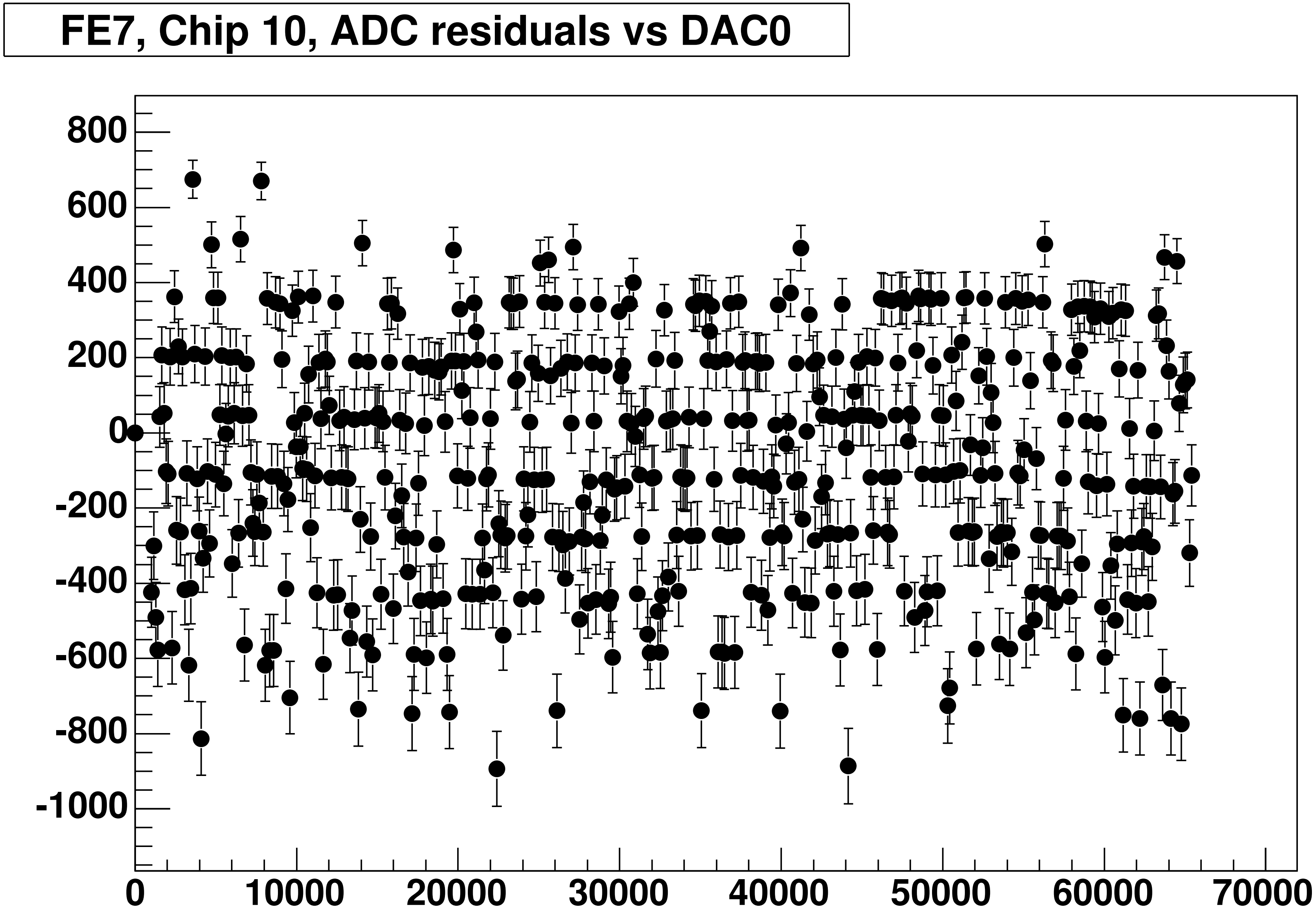
50000
60000
70000


FE7, Chip 10, ADC residuals vs DAC0
800
600
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200
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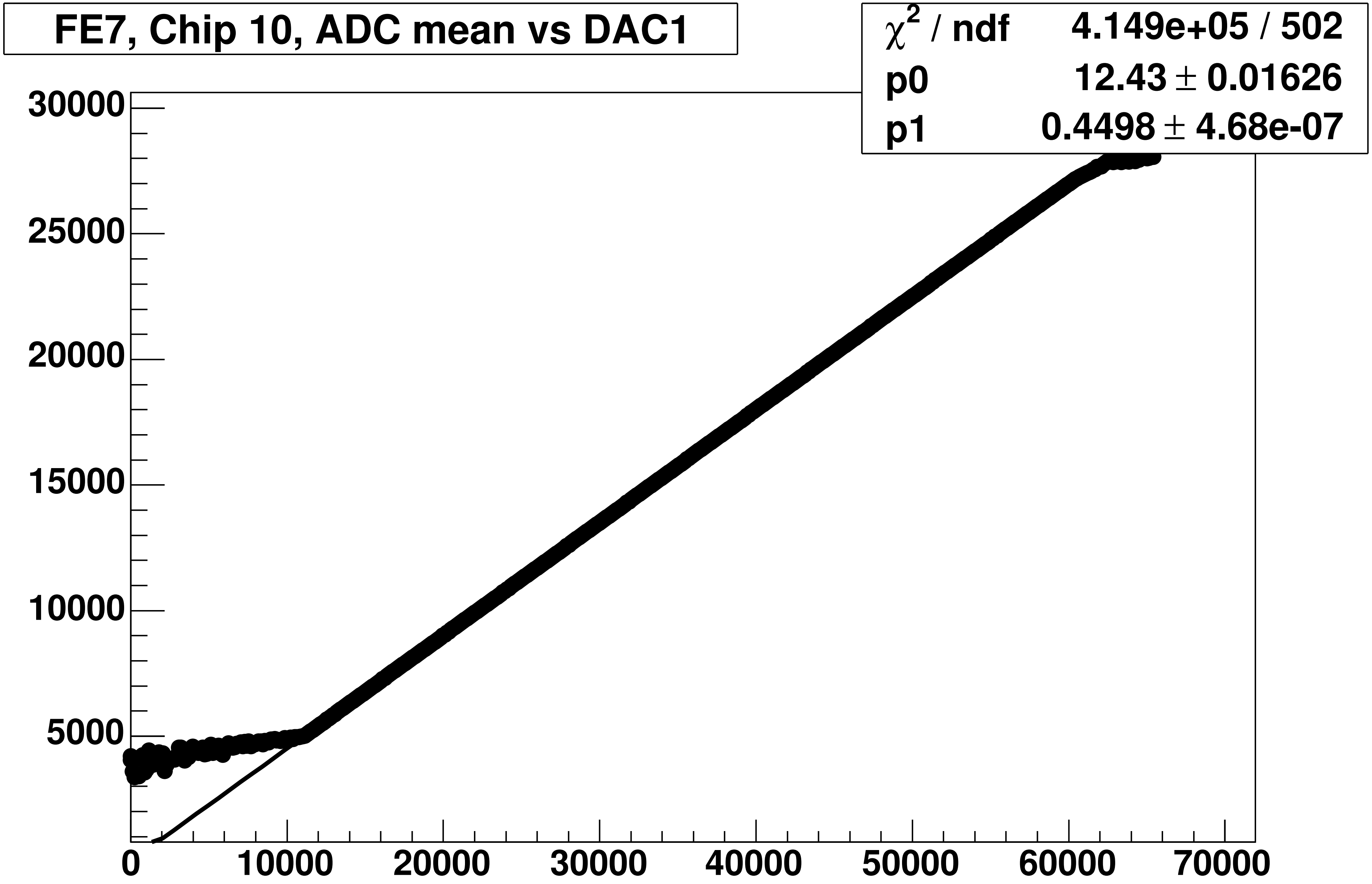
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 10, ADC mean vs DAC1
χ^2 / ndf 4.149e+05 / 502
p0 12.43 ± 0.01626
p1 0.4498 ± 4.68e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
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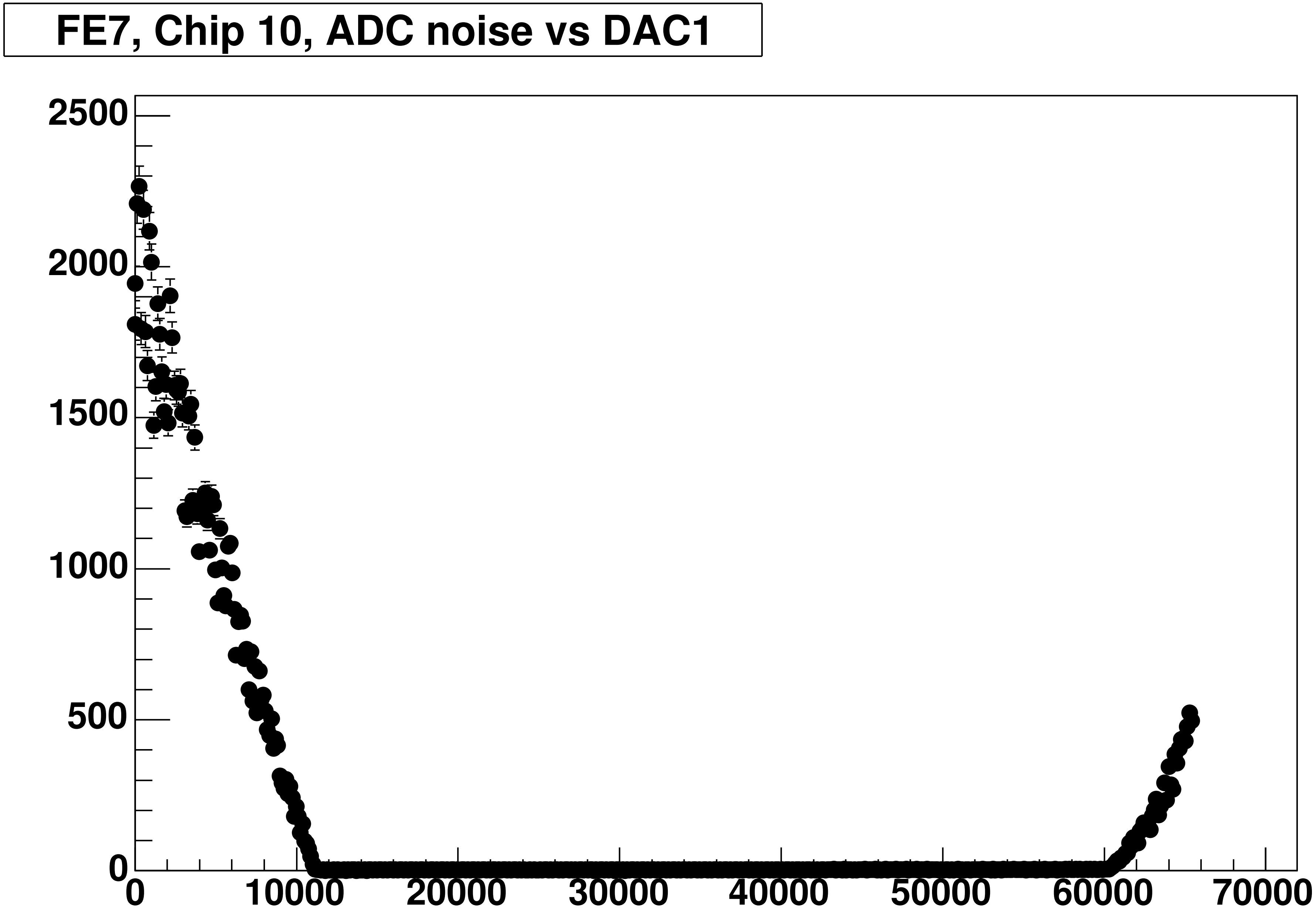
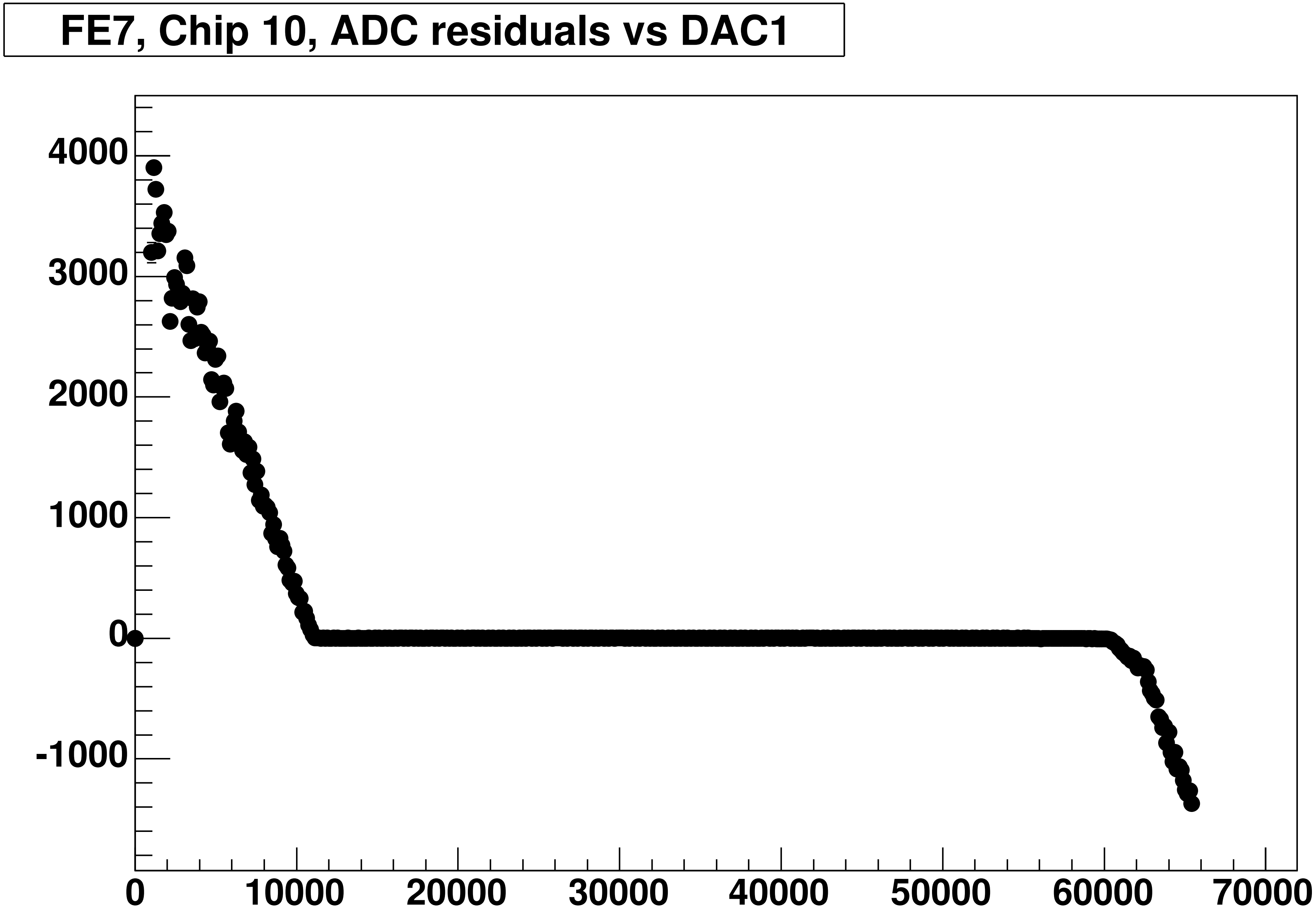
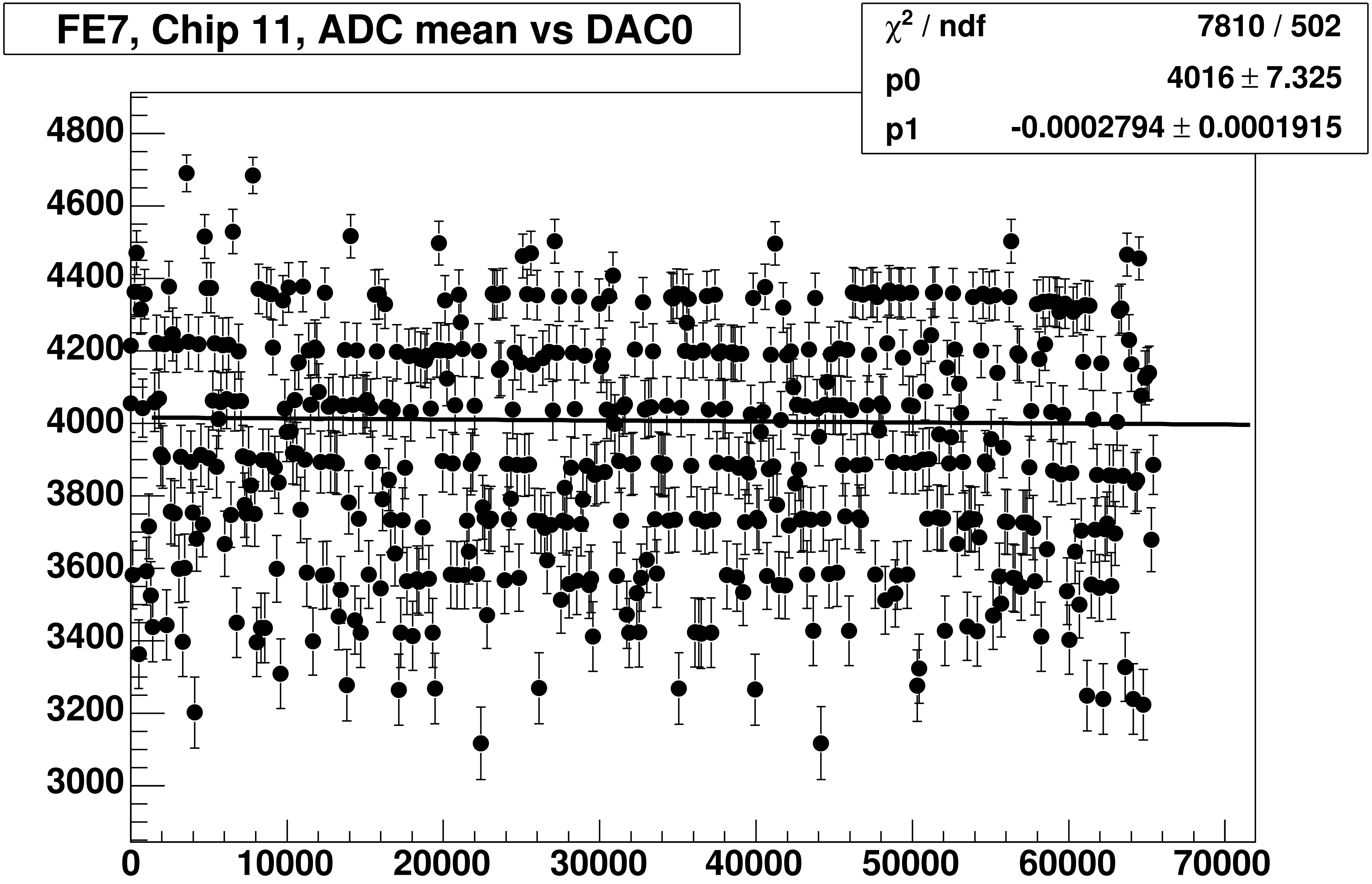
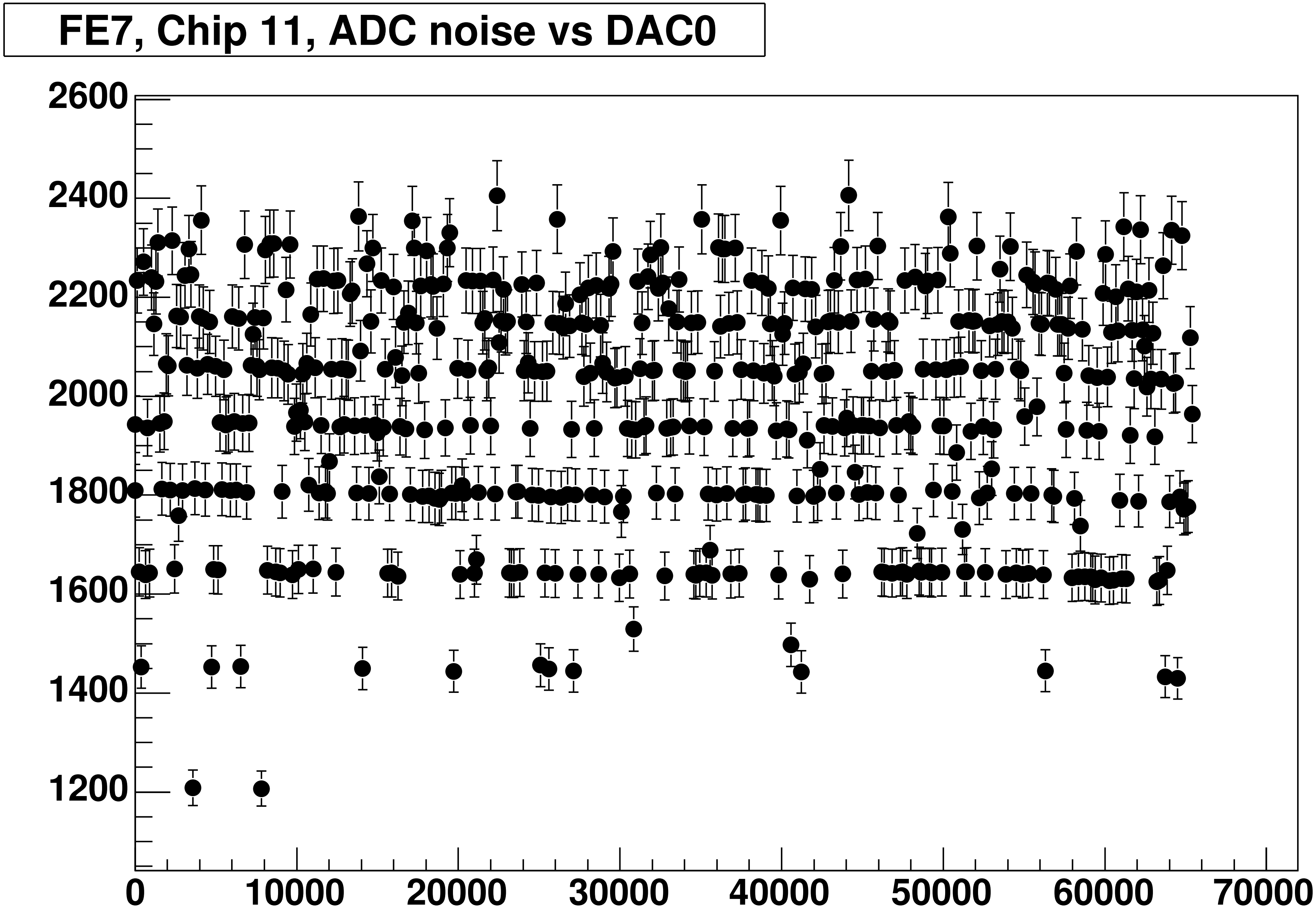
50000
60000
70000

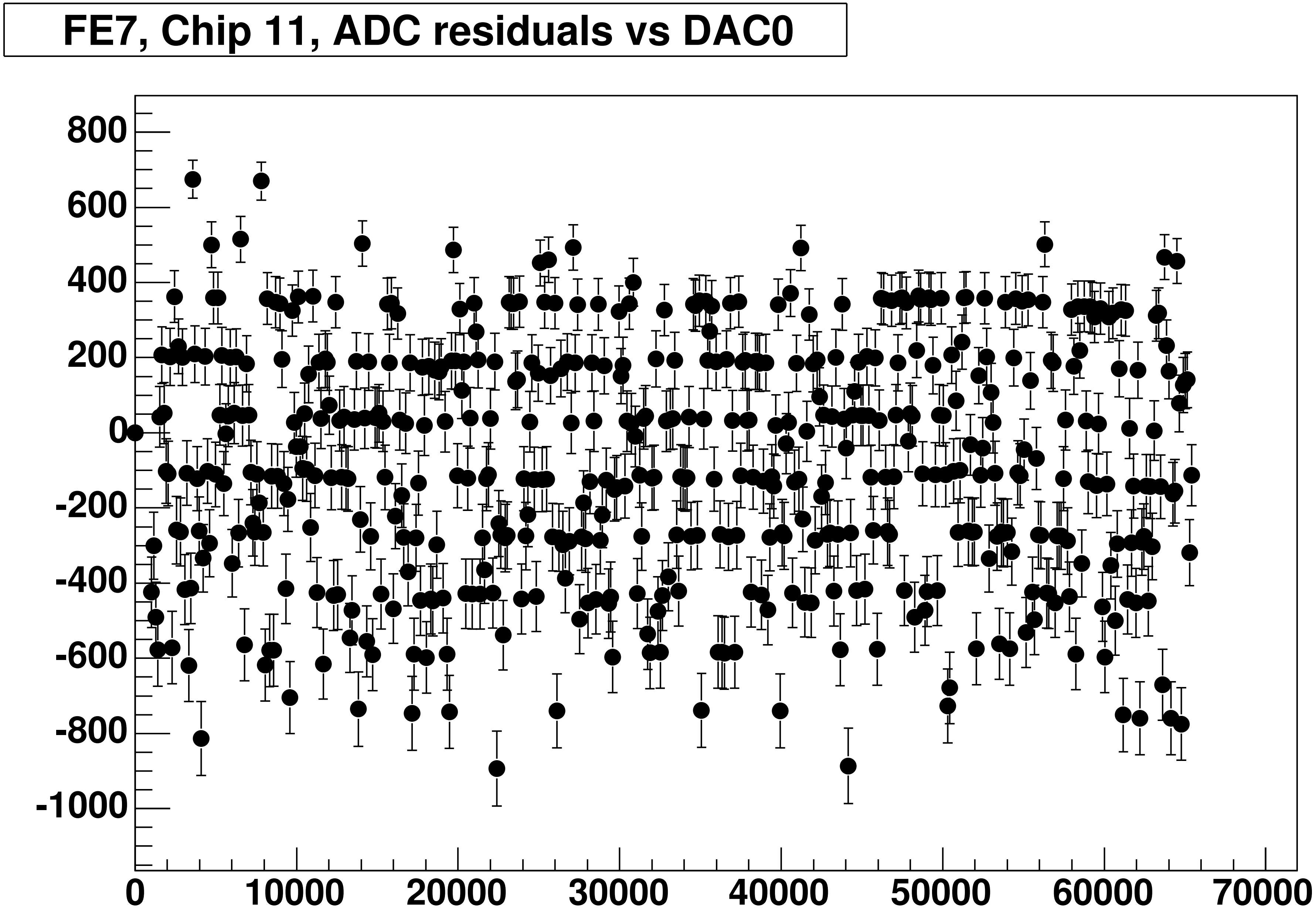

FE7, Chip 10, ADC noise vs DAC1
0
500
1000
1500
2000
2500
0
10000
20000
30000
40000
50000
60000
70000

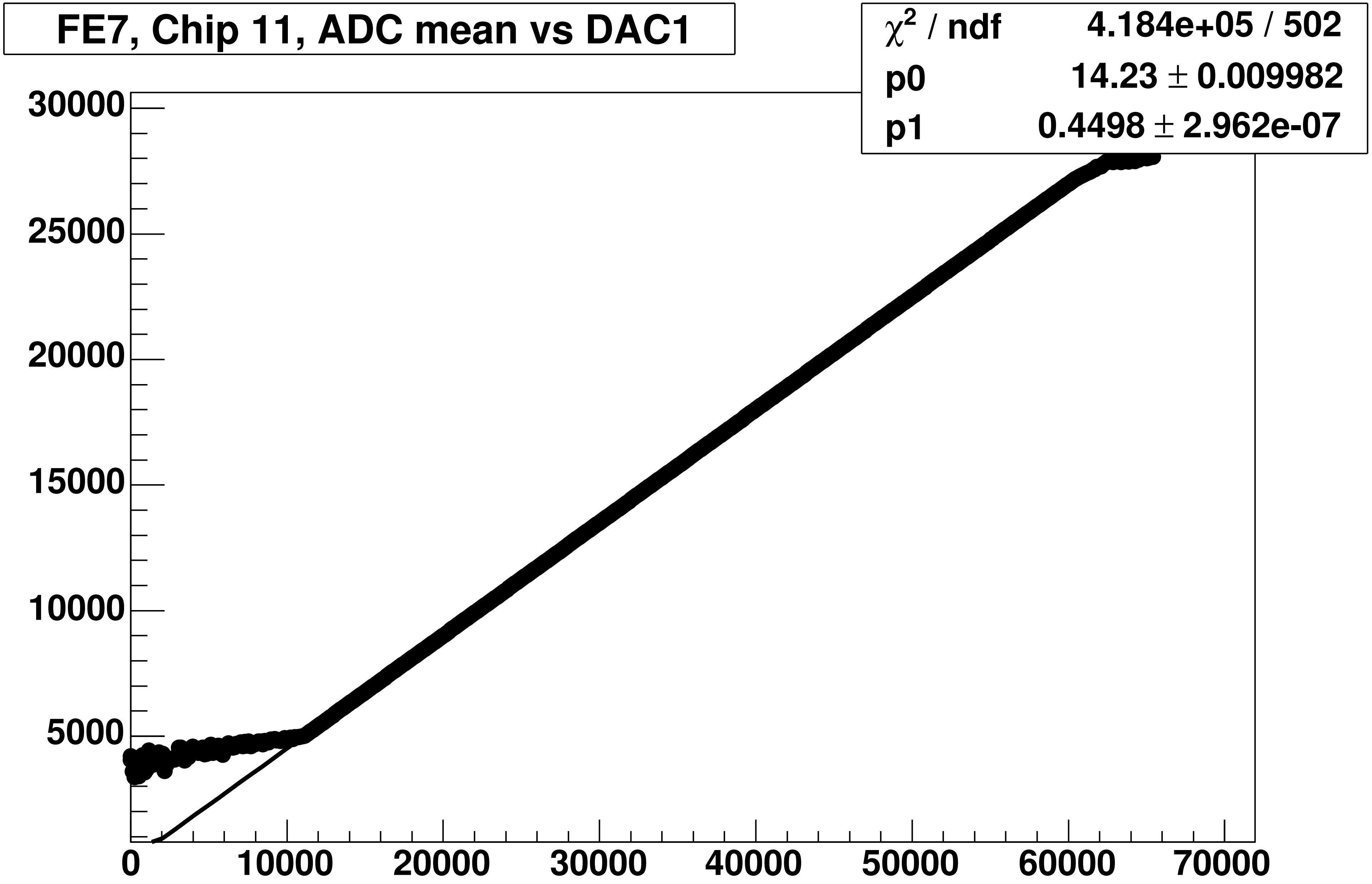


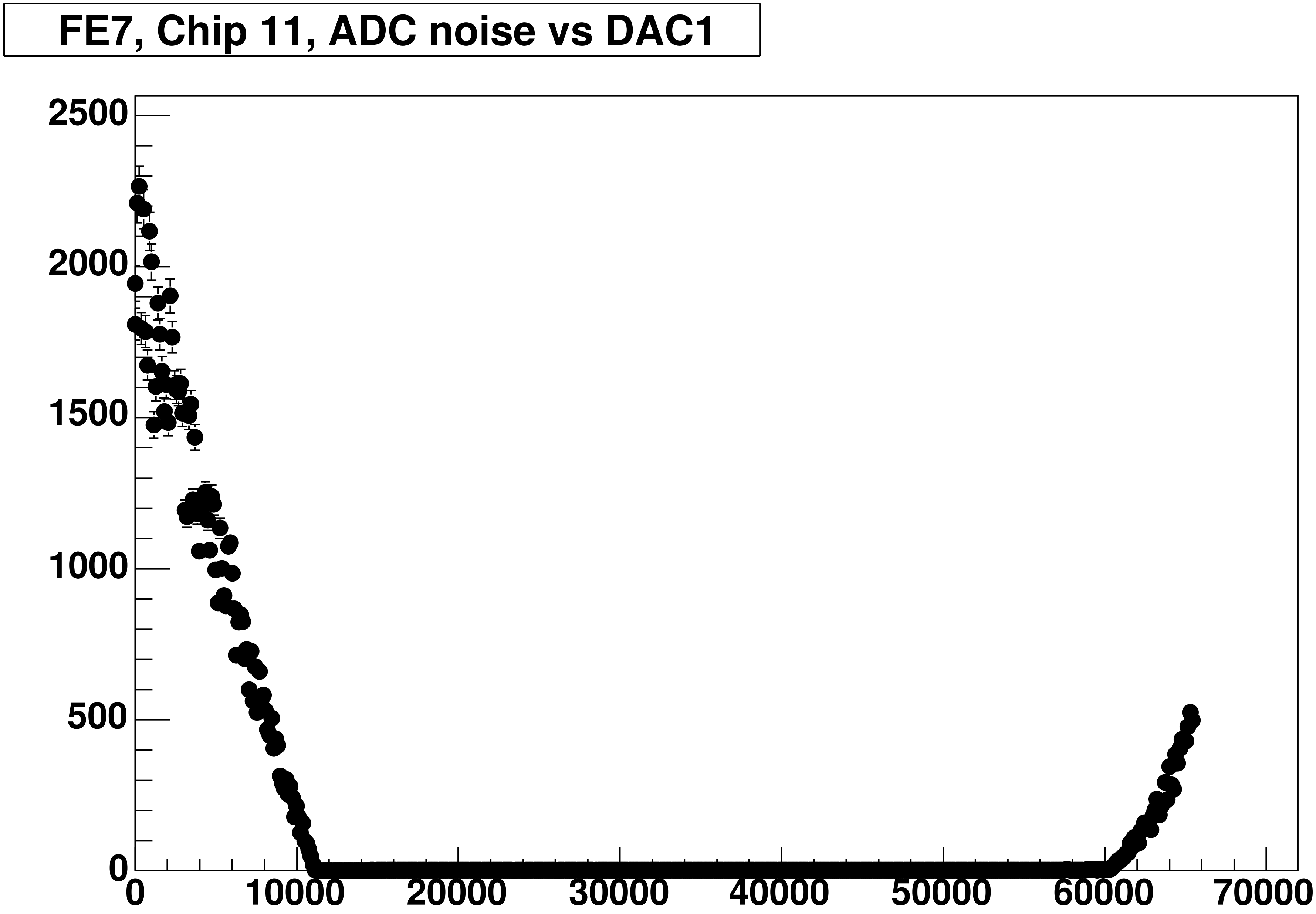
FE7, Chip 10, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000

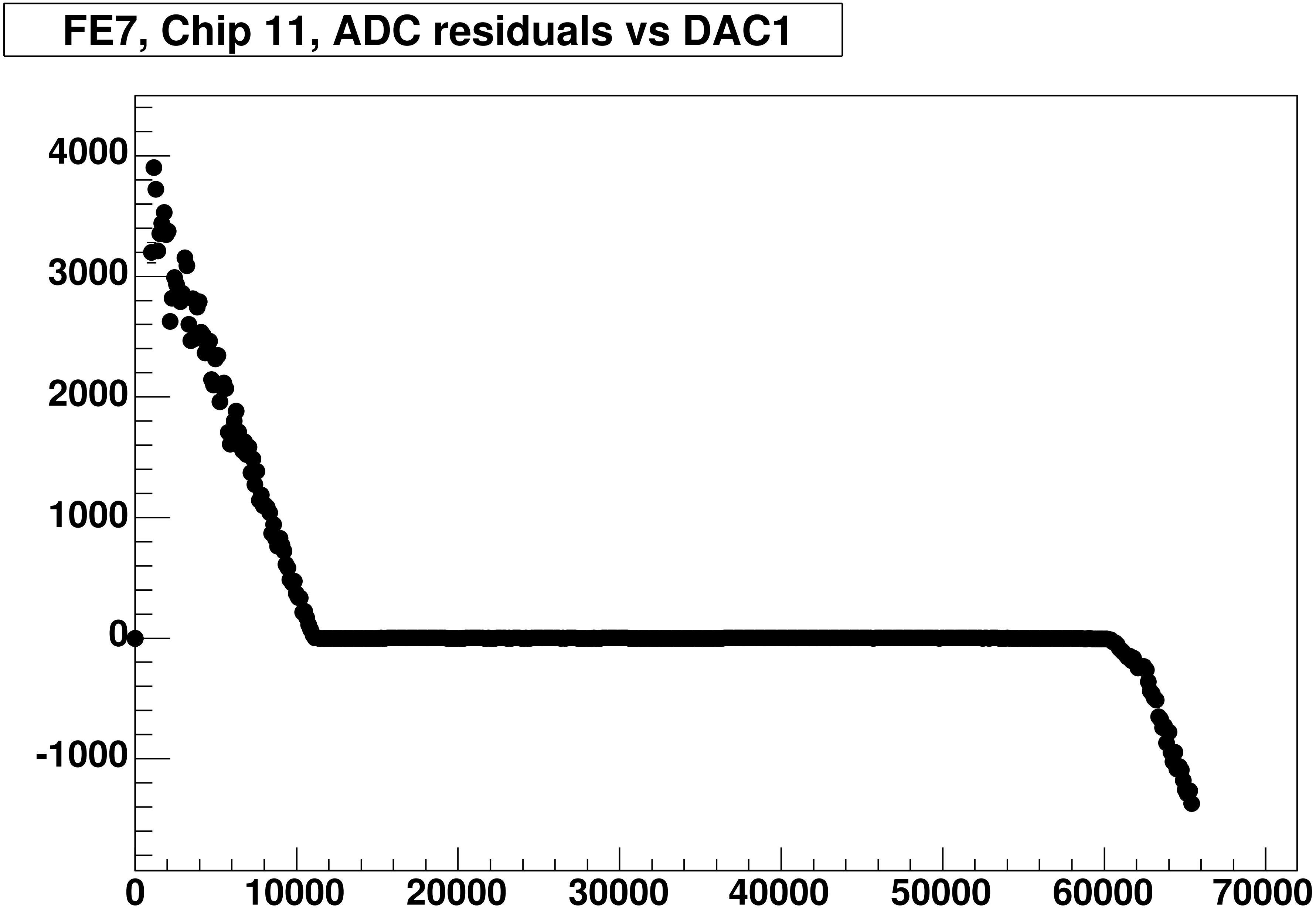

FE7, Chip 11, ADC mean vs DAC0
χ² / ndf 7810 / 502
p0 4016 ± 7.325
p1 -0.0002794 ± 0.0001915
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
0
10000
20000
30000
40000
50000
60000
70000

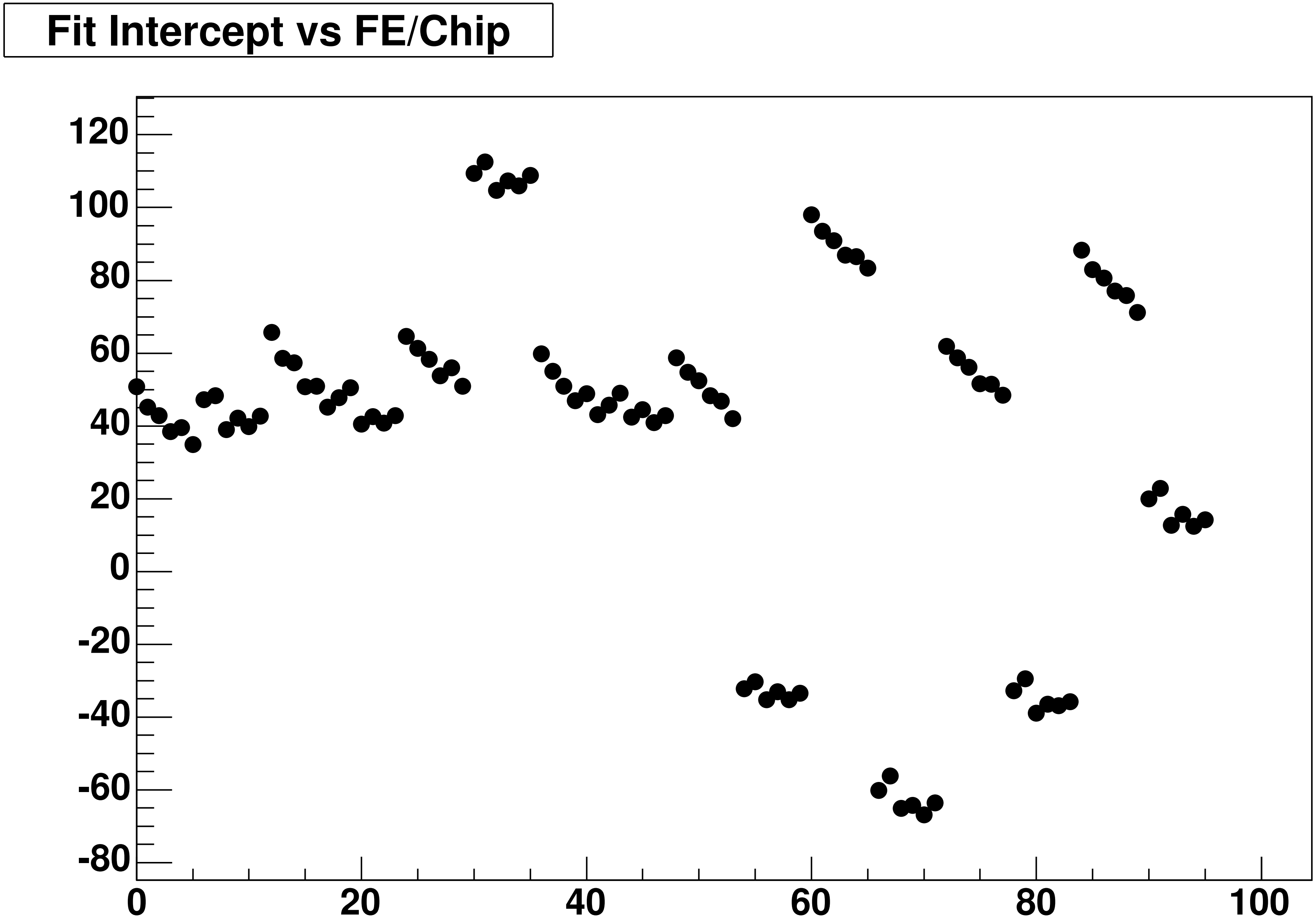

FE7, Chip 11, ADC noise vs DAC0
2600
2400
2200
2000
1800
1600
1400
1200
0
10000
20000
30000
40000
50000
60000
70000

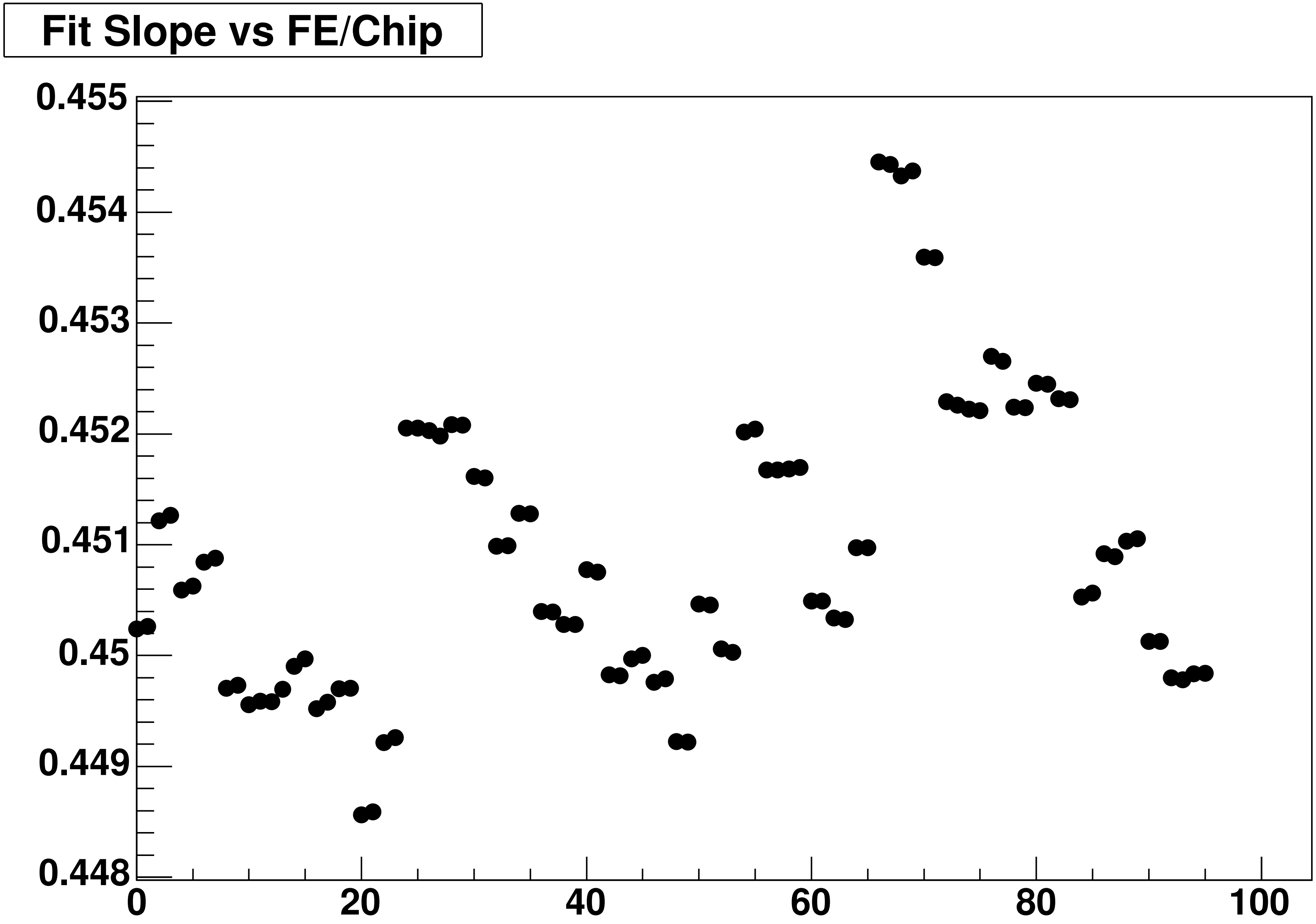

FE7, Chip 11, ADC residuals vs DAC0
800
600
400
200
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 11, ADC mean vs DAC1
χ2 / ndf 4.184e+05 / 502
p0 14.23 ± 0.009982
p1 0.4498 ± 2.962e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 11, ADC noise vs DAC1
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE7, Chip 11, ADC residuals vs DAC1
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
70000


Fit Intercept vs FE/Chip
120
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100


Fit Slope vs FE/Chip
0.455
0.454
0.453
0.452
0.451
0.45
0.449
0.448
0
20
40
60
80
100