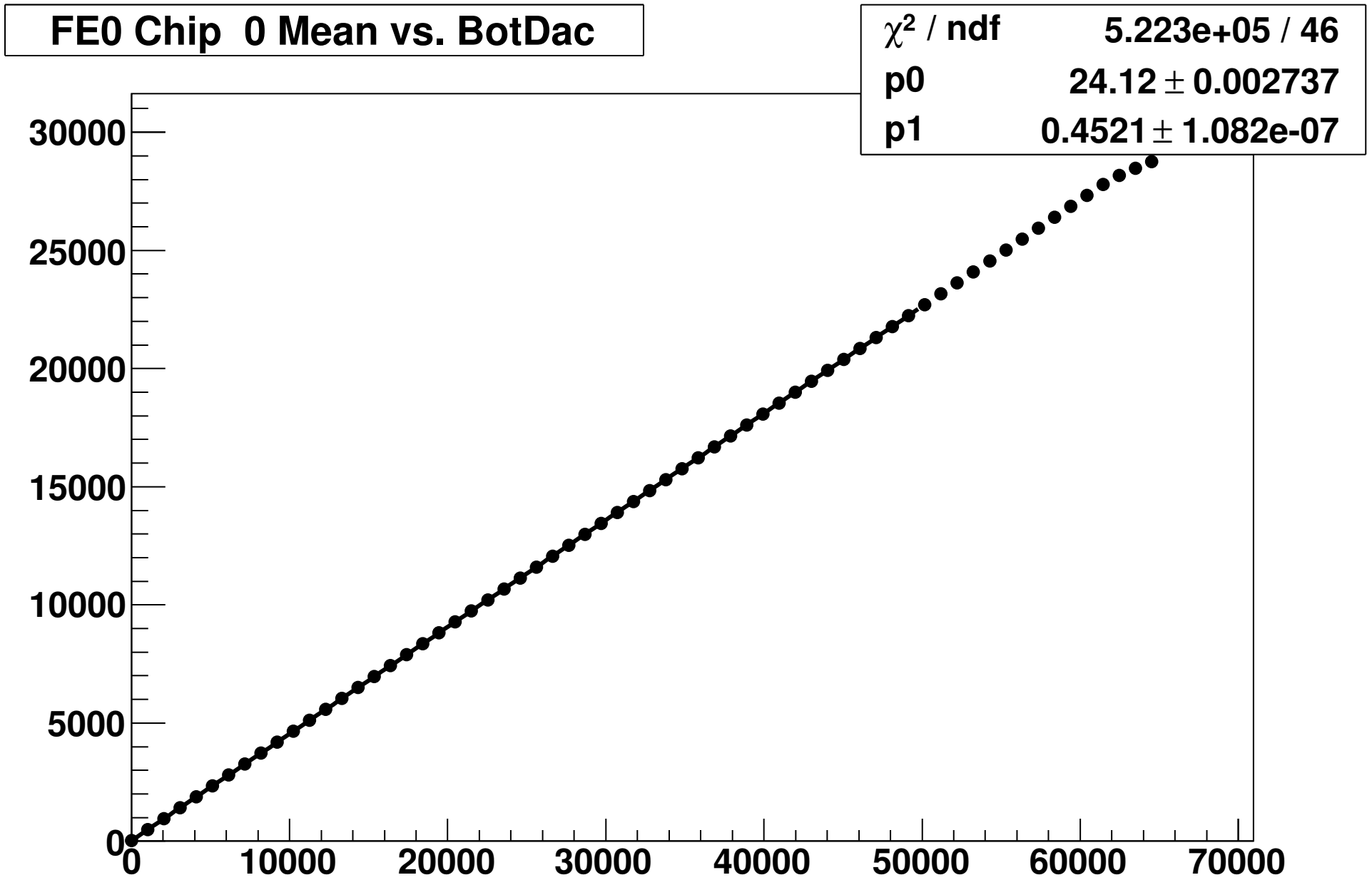
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 5.223e+05 / 46
p0 24.12 ± 0.002737
p1 0.4521 ± 1.082e-07
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25000
20000
15000
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5000
0
0
10000
20000
30000
40000
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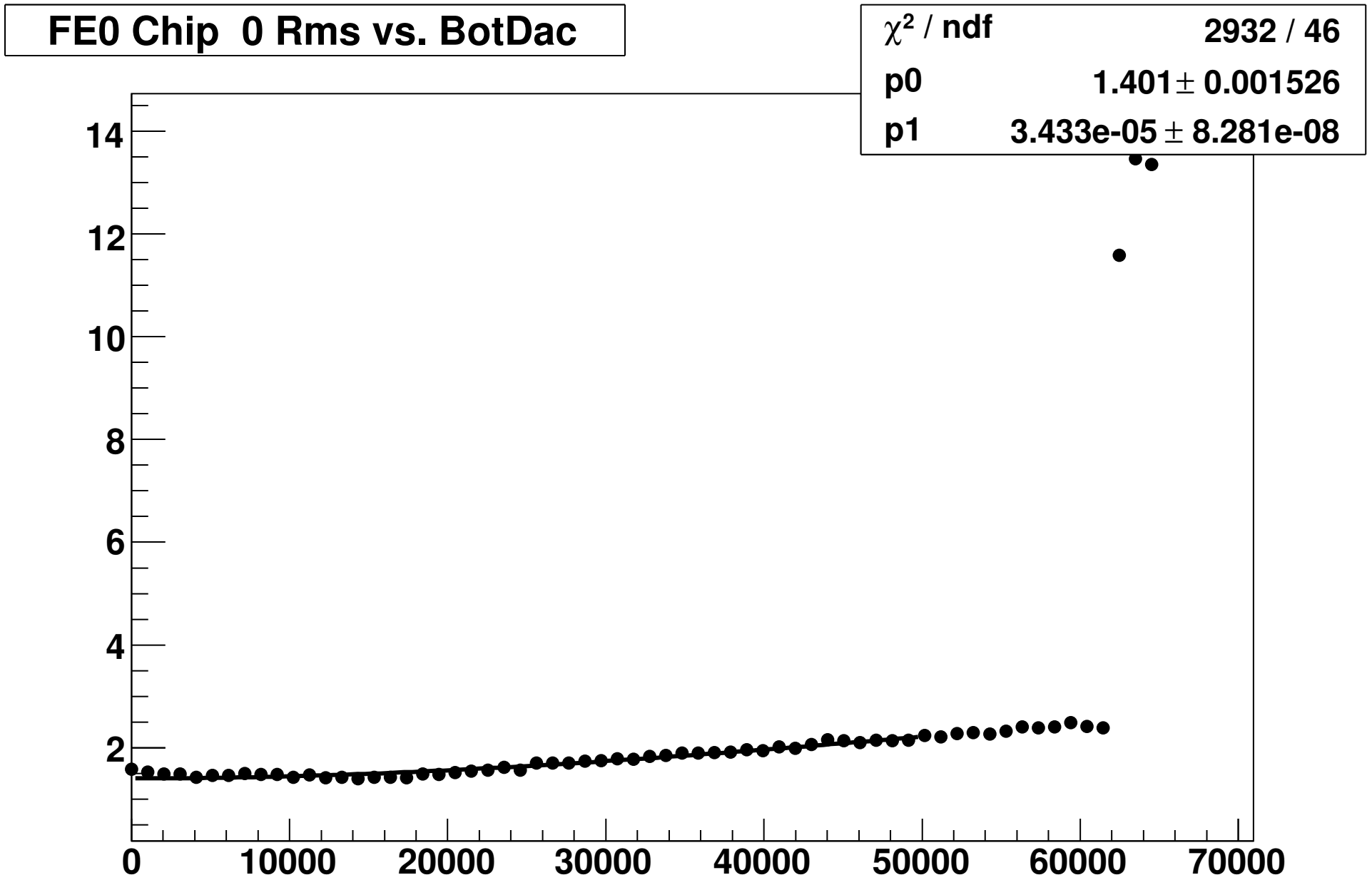
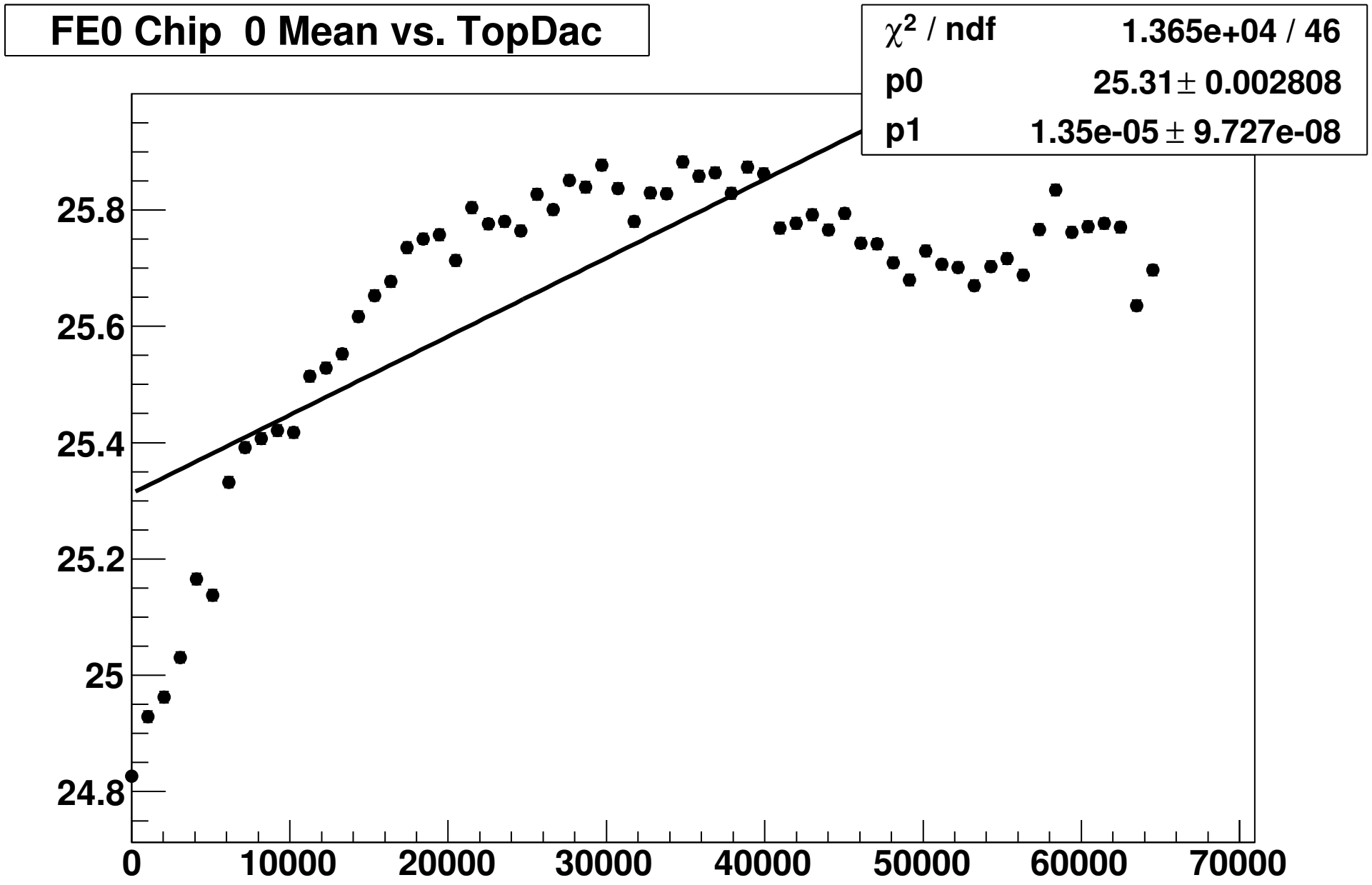
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 2932 / 46
p0 1.401 ± 0.001526
p1 3.433e-05 ± 8.281e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 1.365e+04 / 46
p0 25.31 ± 0.002808
p1 1.35e-05 ± 9.727e-08
25.8
25.6
25.4
25.2
25
24.8
0
10000
20000
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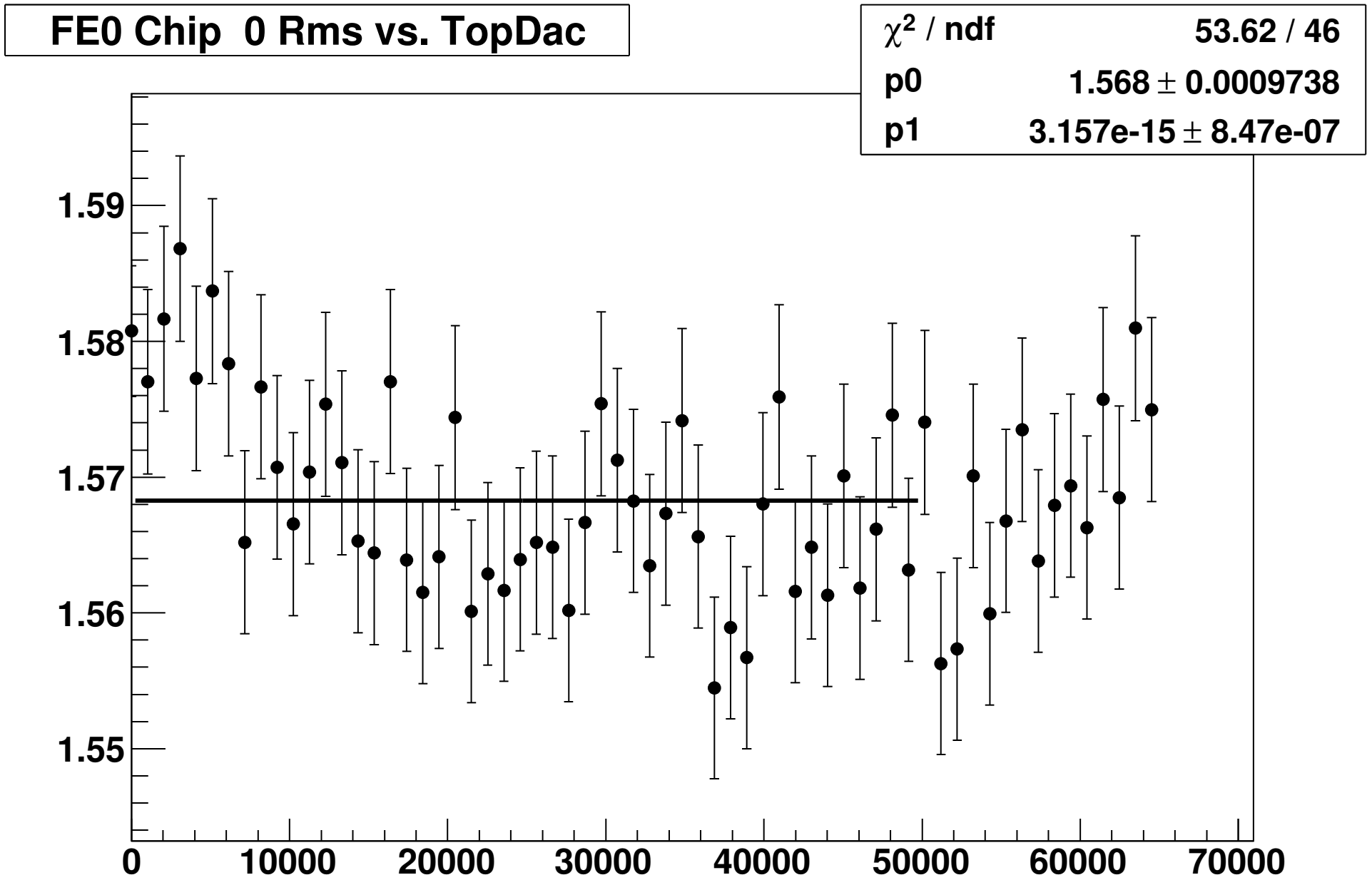
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 53.62 / 46
p0 1.568 ± 0.0009738
p1 3.157e-15 ± 8.47e-07
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
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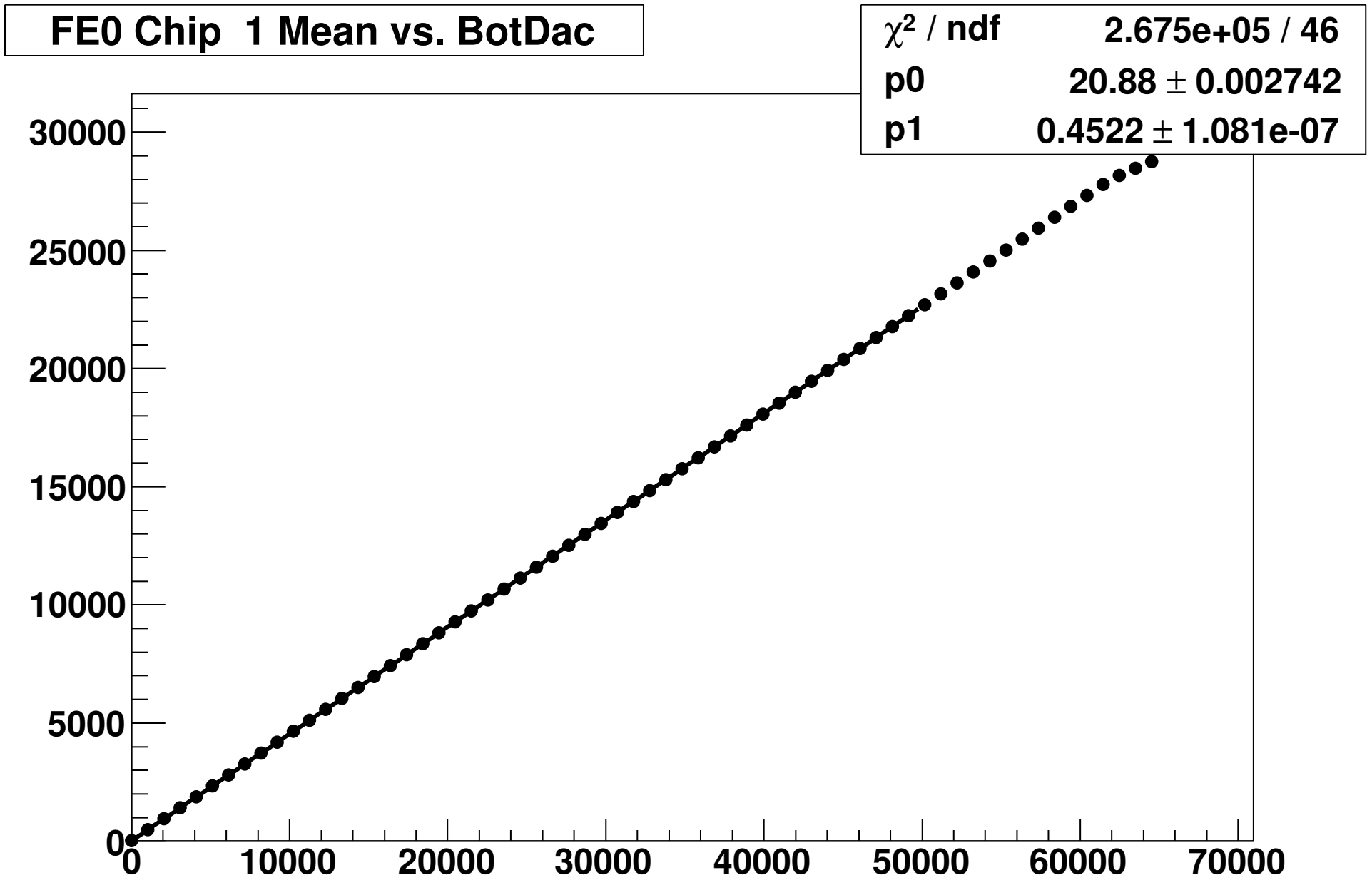
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 2.675e+05 / 46
p0 20.88 ± 0.002742
p1 0.4522 ± 1.081e-07
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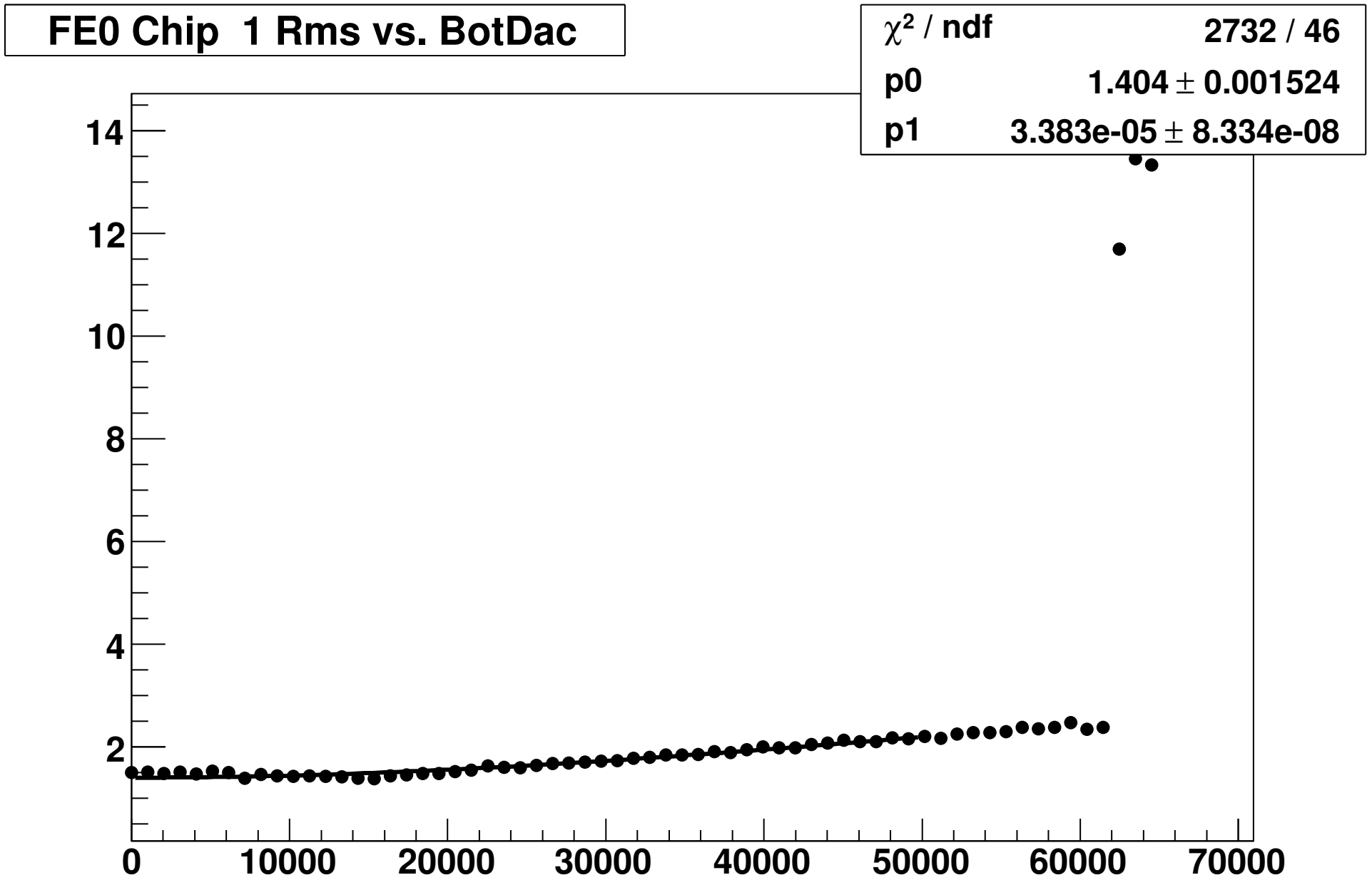
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 2732 / 46
p0 1.404 ± 0.001524
p1 3.383e-05 ± 8.334e-08
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12
10
8
6
4
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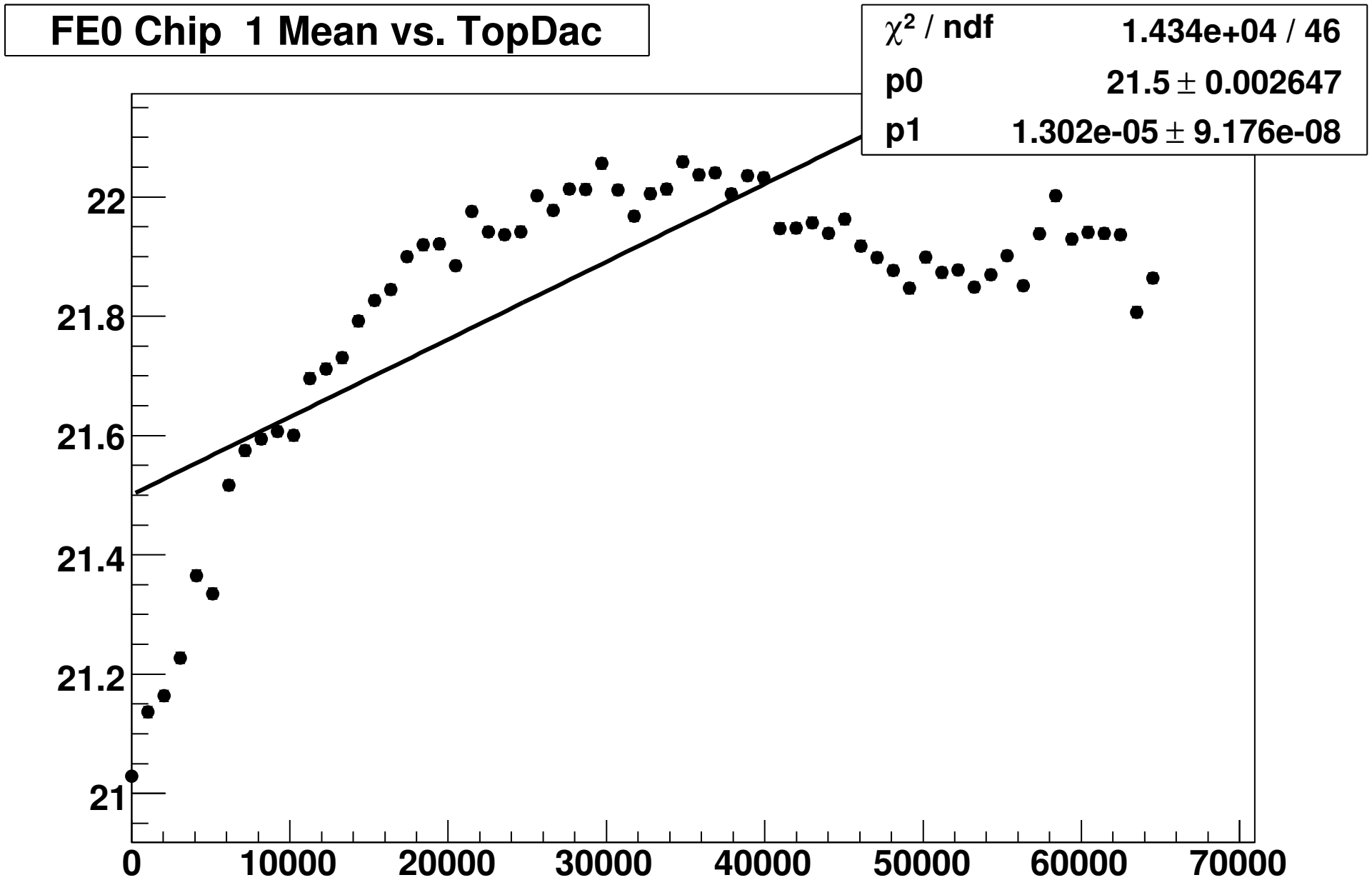
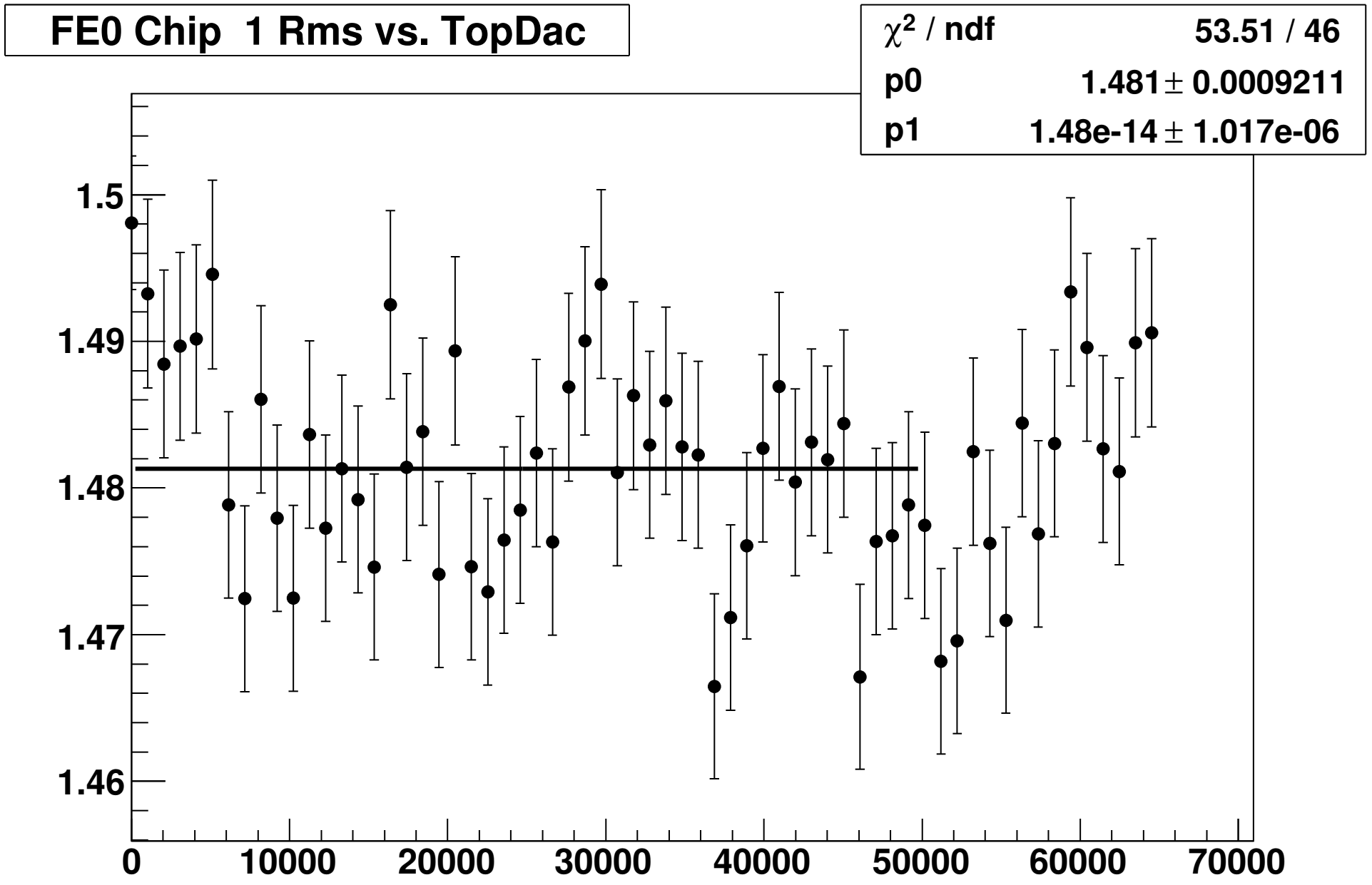
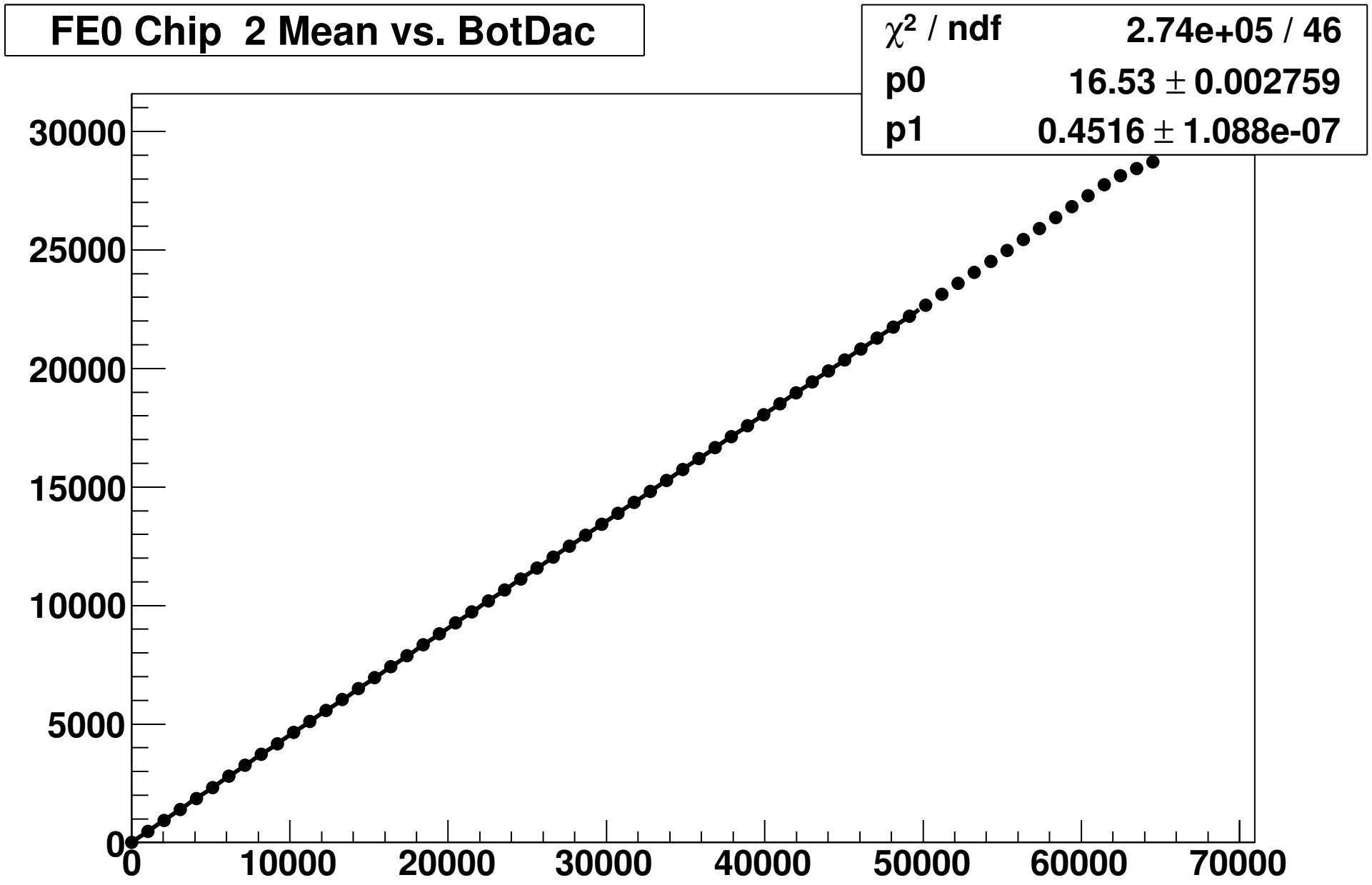
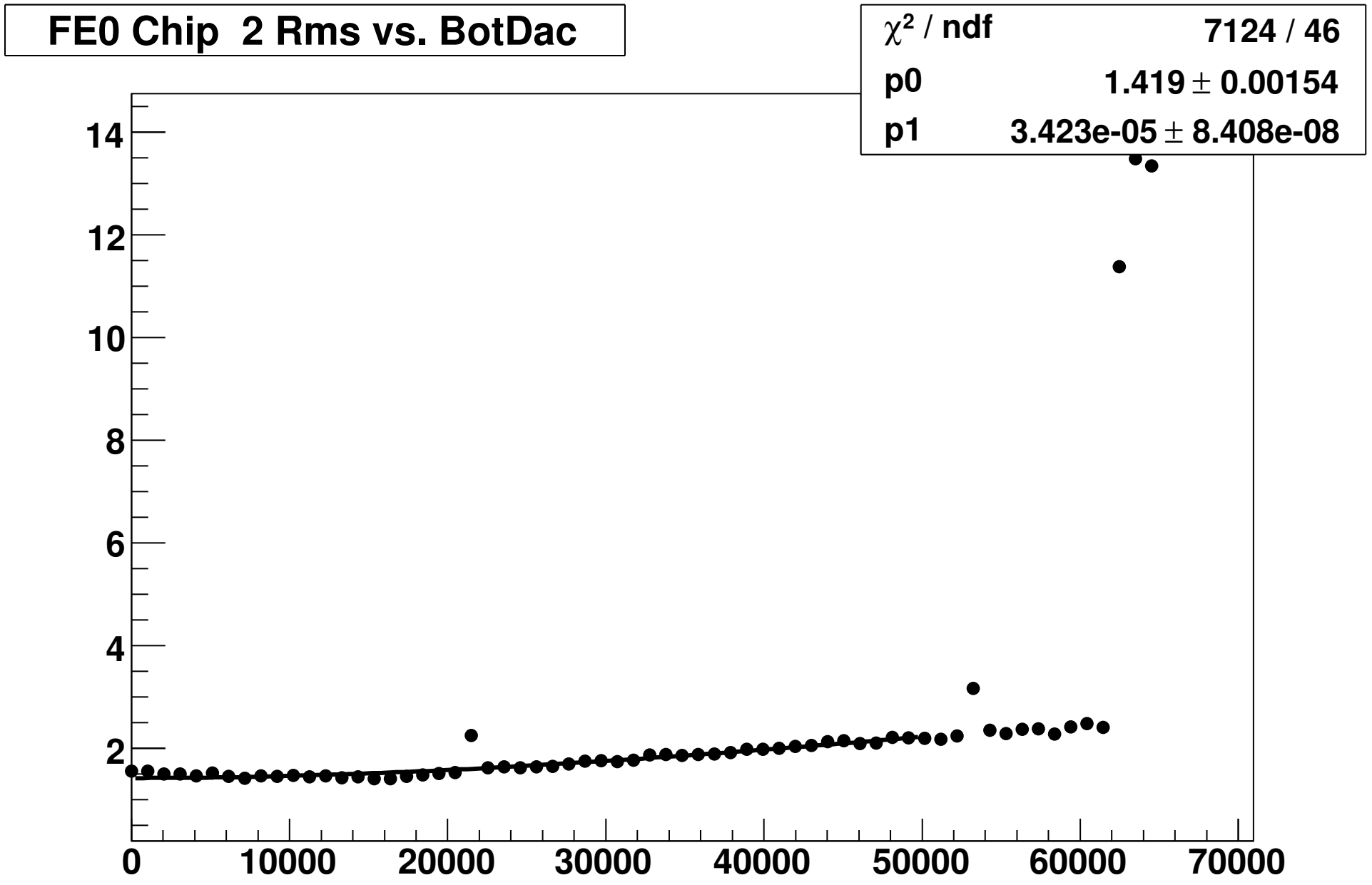
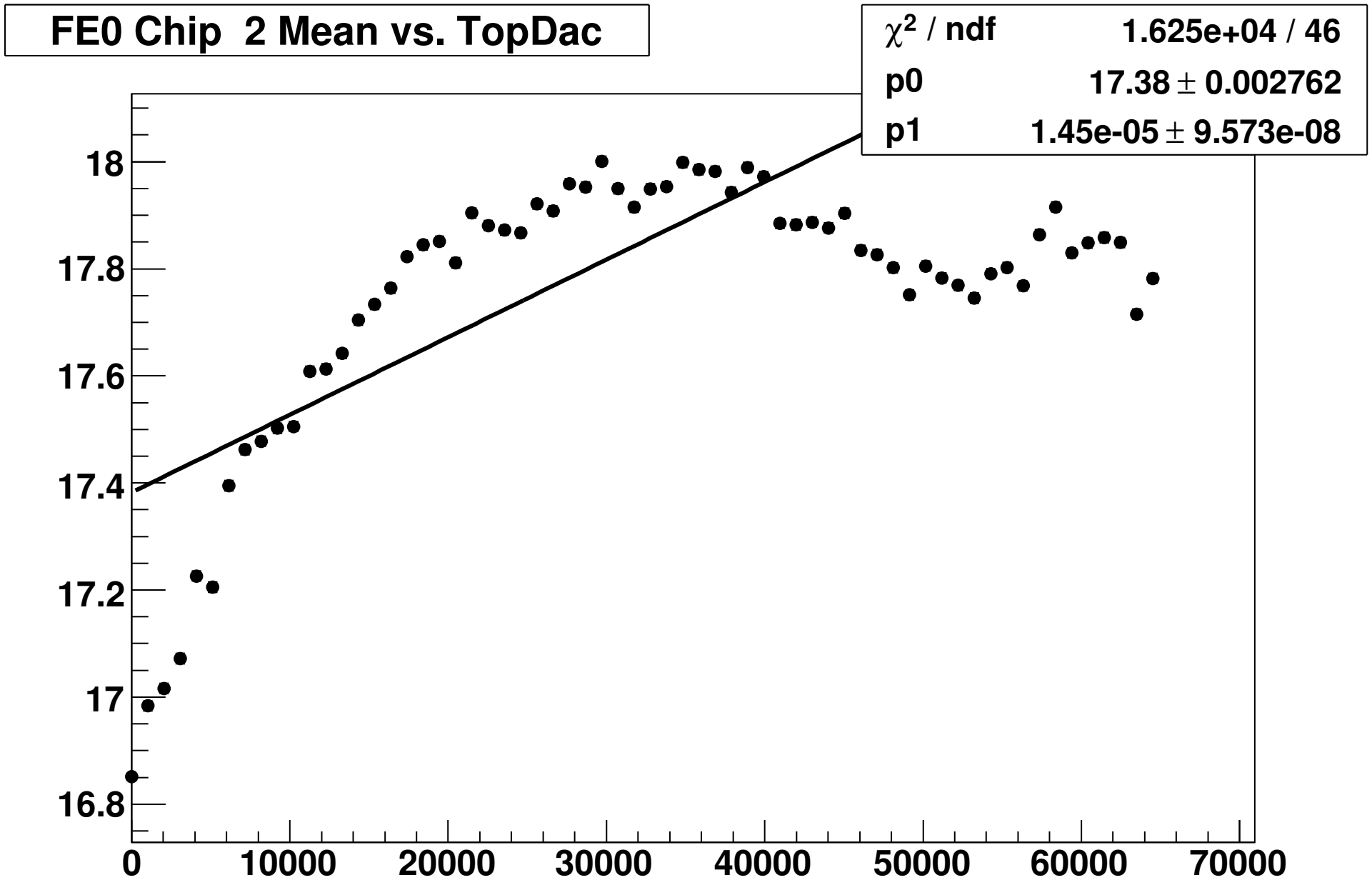
20000
30000
40000
50000
60000
70000

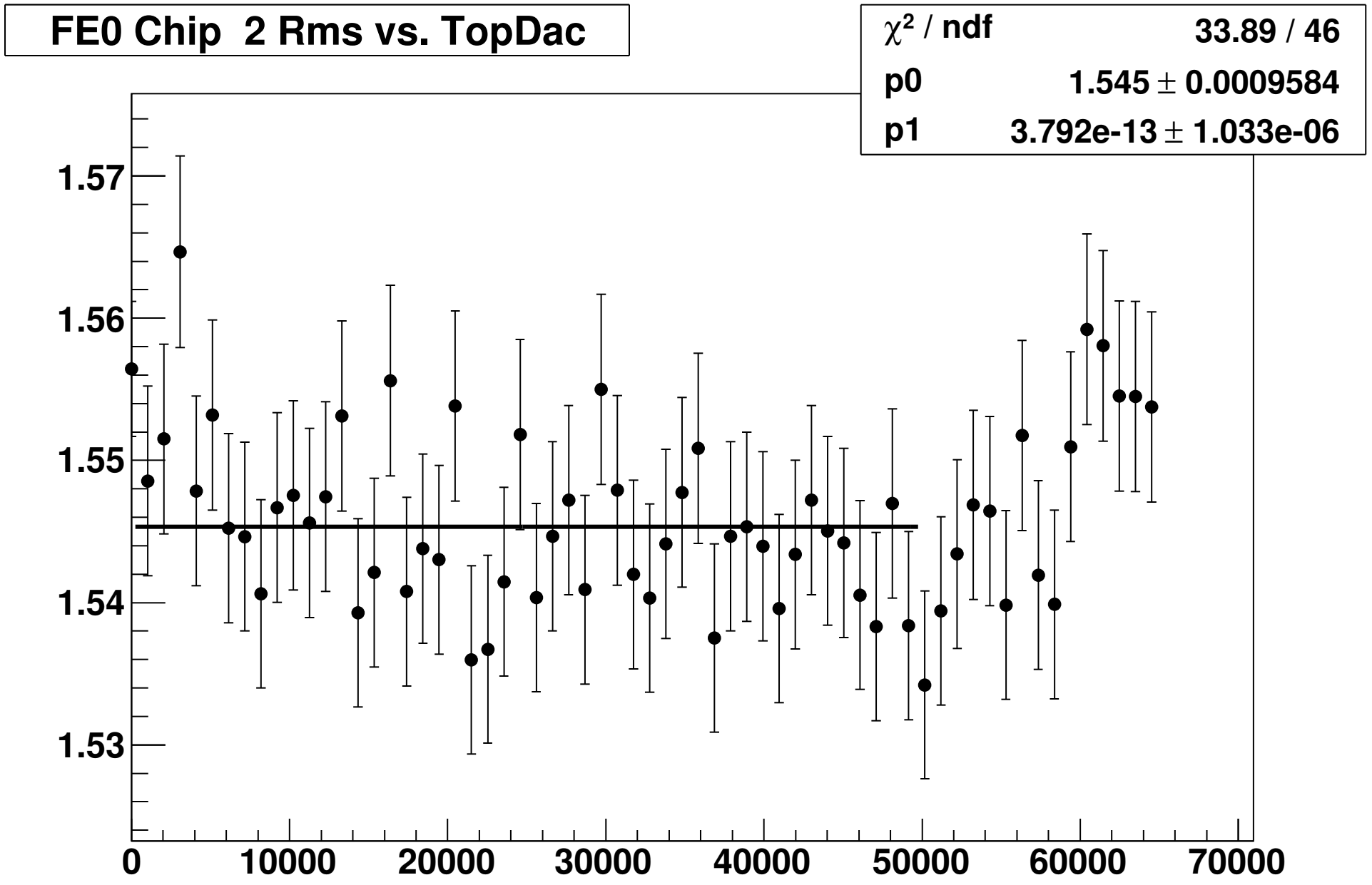

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 1.434e+04 / 46
p0 21.5 ± 0.002647
p1 1.302e-05 ± 9.176e-08
22
21.8
21.6
21.4
21.2
21
0
10000
20000
30000
40000
50000
60000
70000

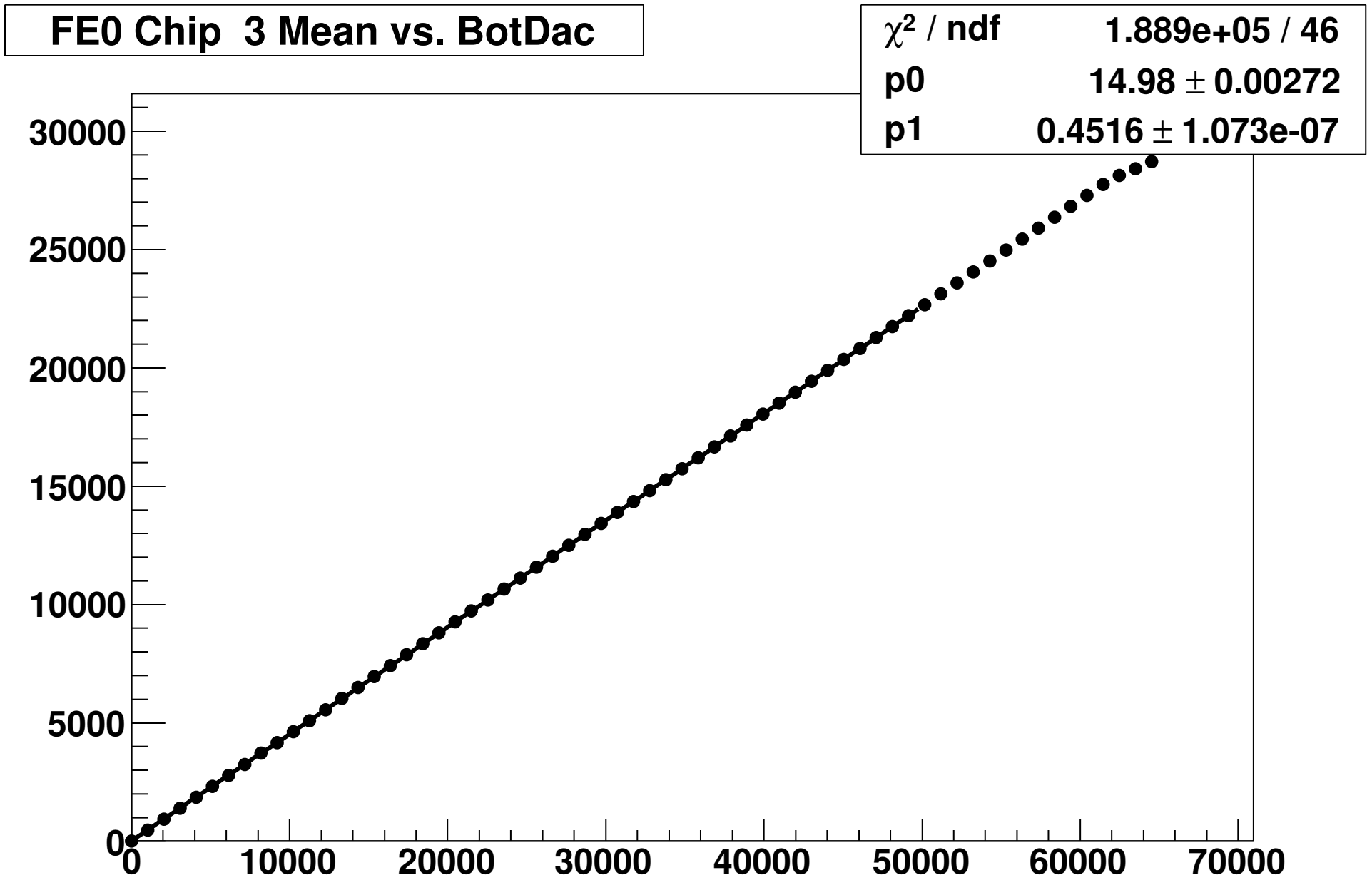

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 53.51 / 46
p0 1.481 ± 0.0009211
p1 1.48e-14 ± 1.017e-06
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

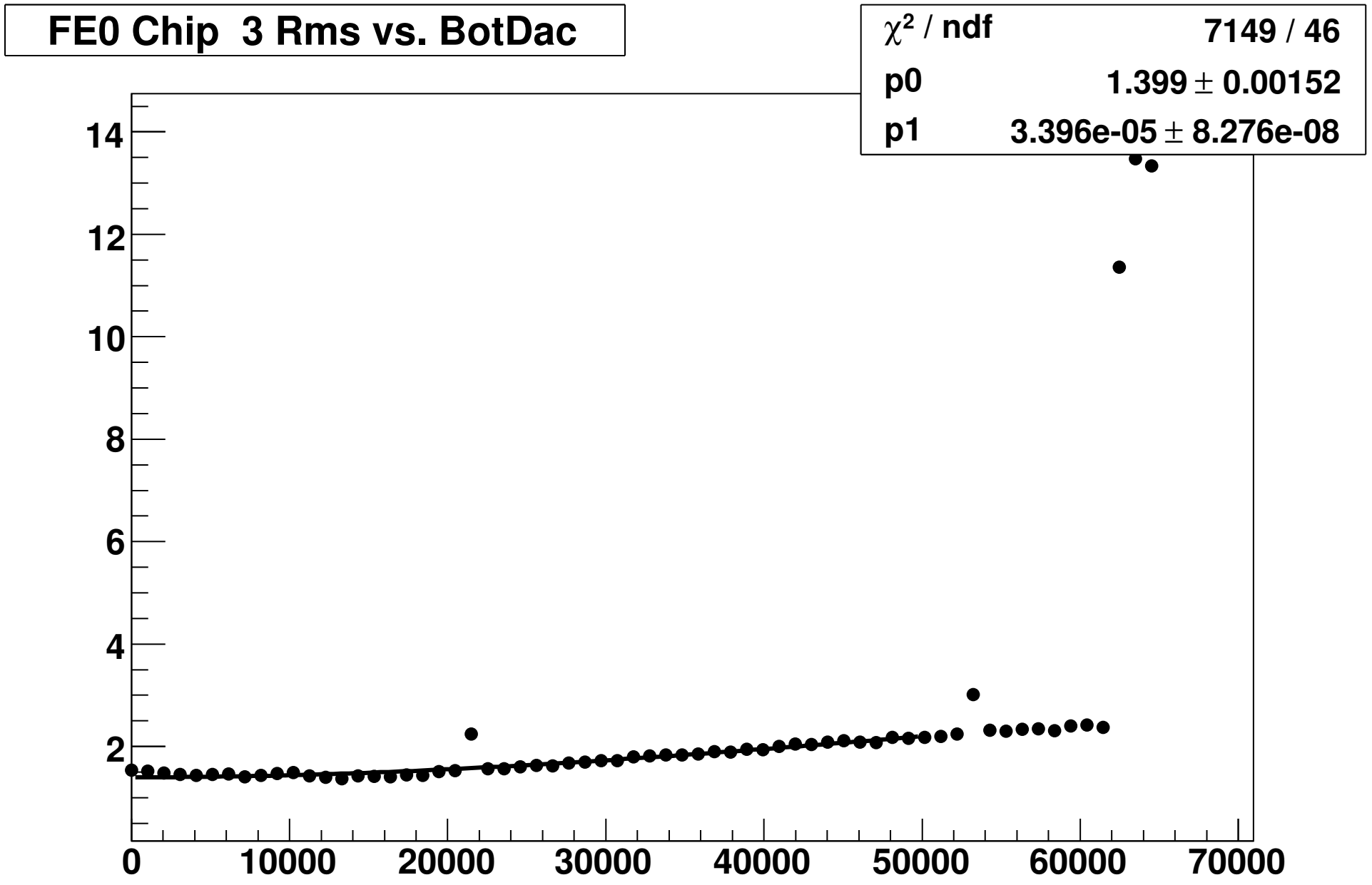

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 2.74e+05 / 46
p0 16.53 ± 0.002759
p1 0.4516 ± 1.088e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

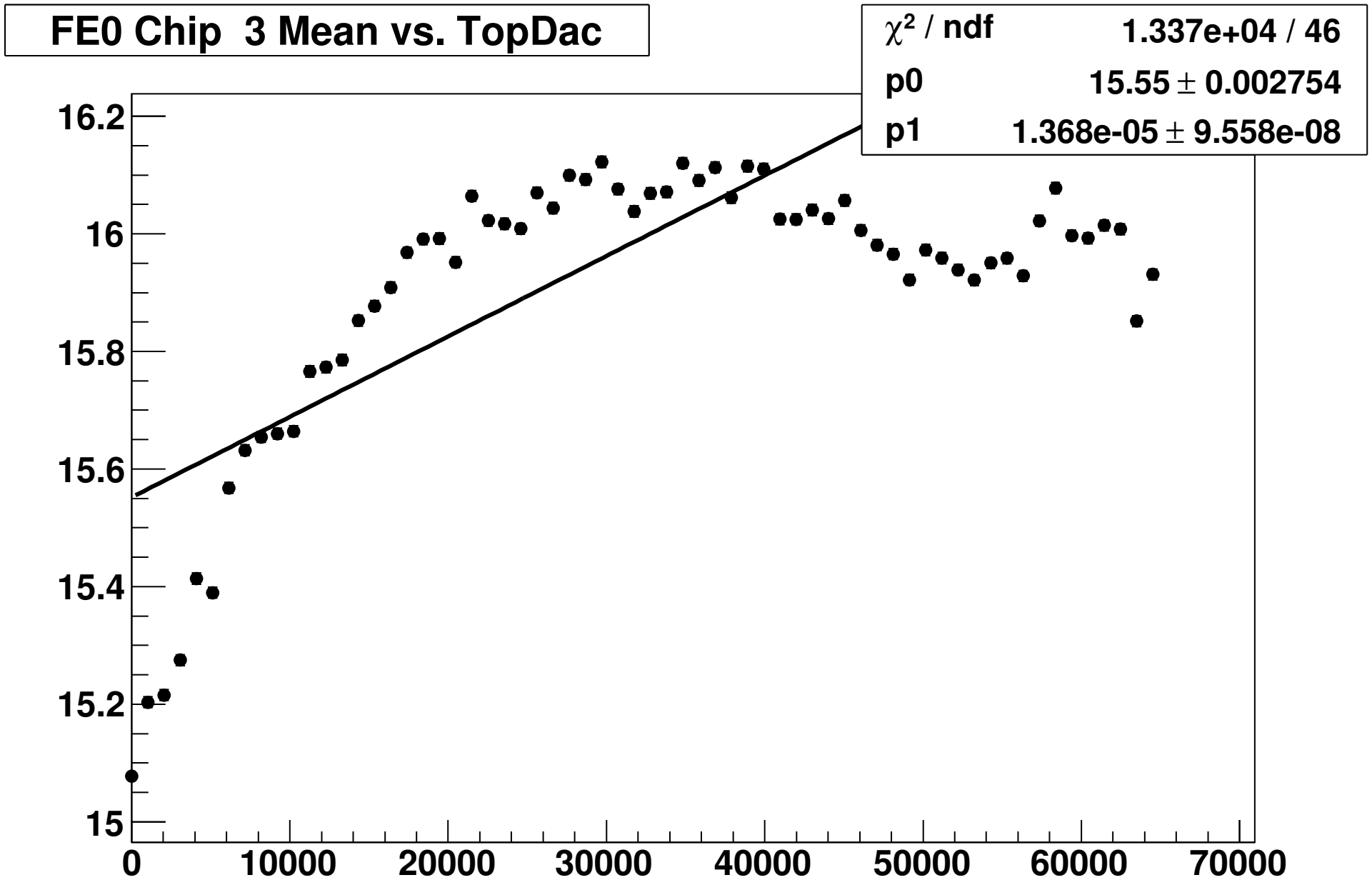

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 7124 / 46
p0 1.419 ± 0.00154
p1 3.423e-05 ± 8.408e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

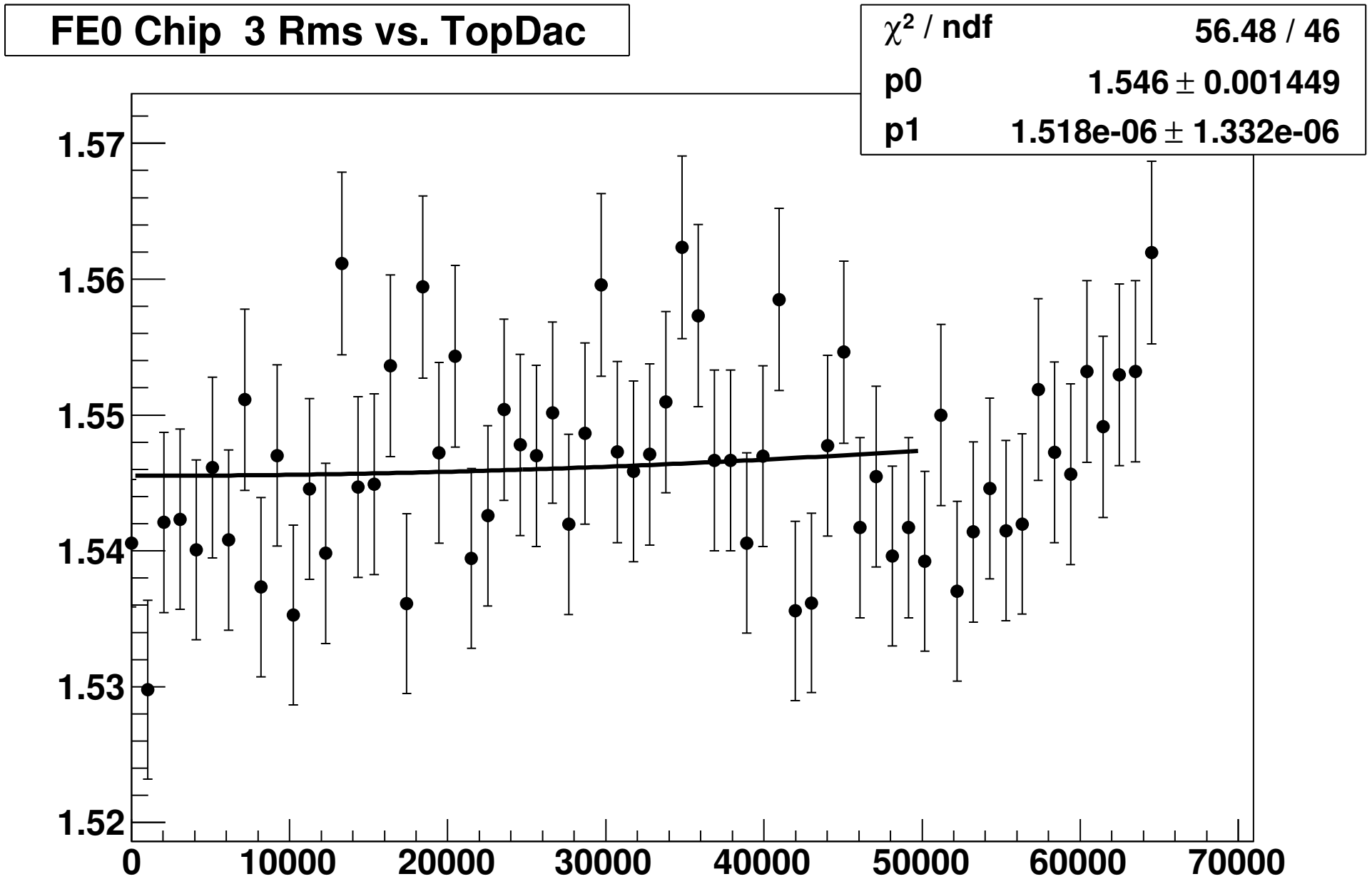

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1.625e+04 / 46
p0 17.38 ± 0.002762
p1 1.45e-05 ± 9.573e-08
18
17.8
17.6
17.4
17.2
17
16.8
0
10000
20000
30000
40000
50000
60000
70000

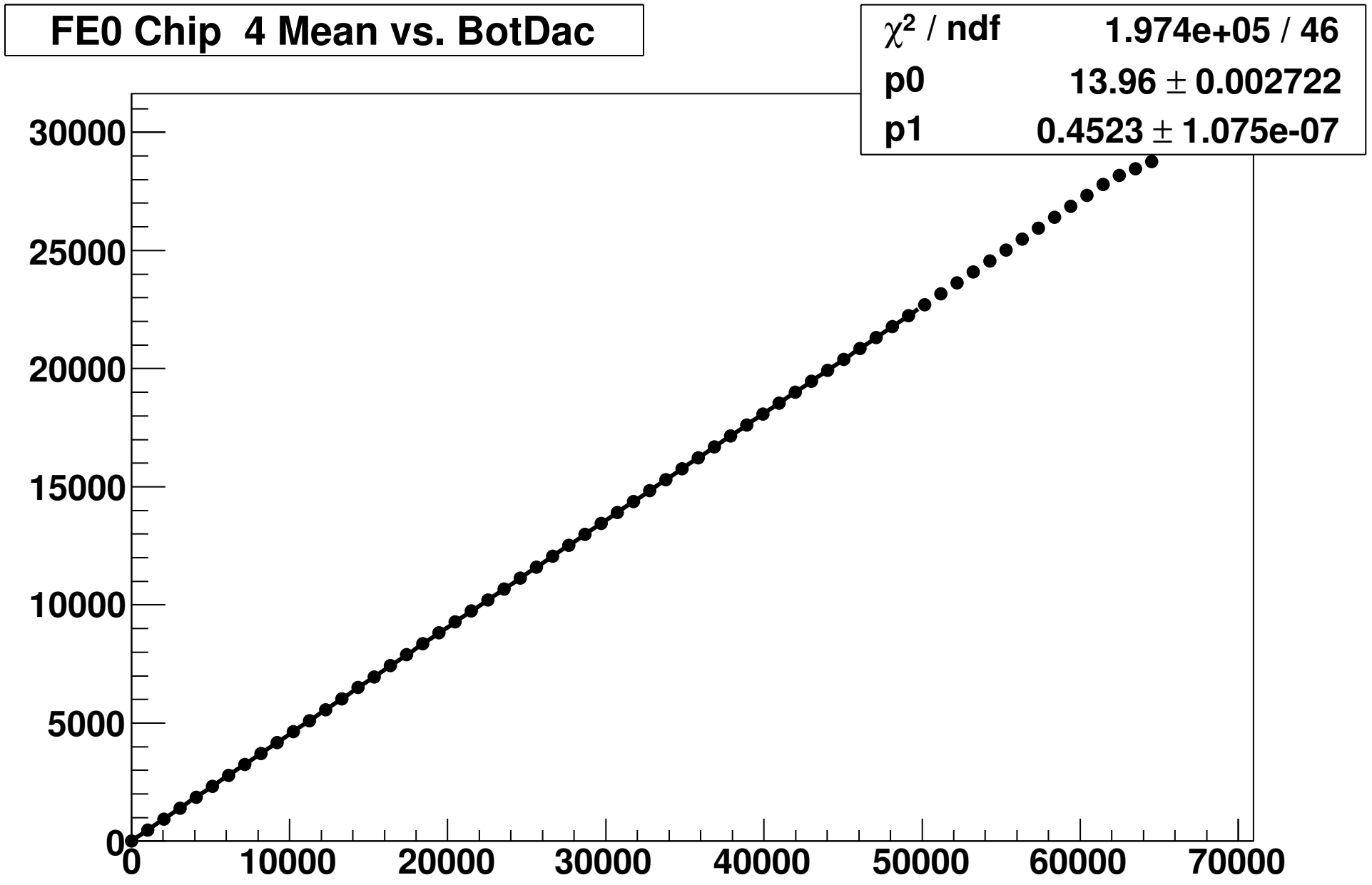

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 33.89 / 46
p0 1.545 ± 0.0009584
p1 3.792e-13 ± 1.033e-06
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.889e+05 / 46
p0 14.98 ± 0.00272
p1 0.4516 ± 1.073e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 7149 / 46
p0 1.399 ± 0.00152
p1 3.396e-05 ± 8.276e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 1.337e+04 / 46
p0 15.55 ± 0.002754
p1 1.368e-05 ± 9.558e-08
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 56.48 / 46
p0 1.546 ± 0.001449
p1 1.518e-06 ± 1.332e-06
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.974e+05 / 46
p0 13.96 ± 0.002722
p1 0.4523 ± 1.075e-07
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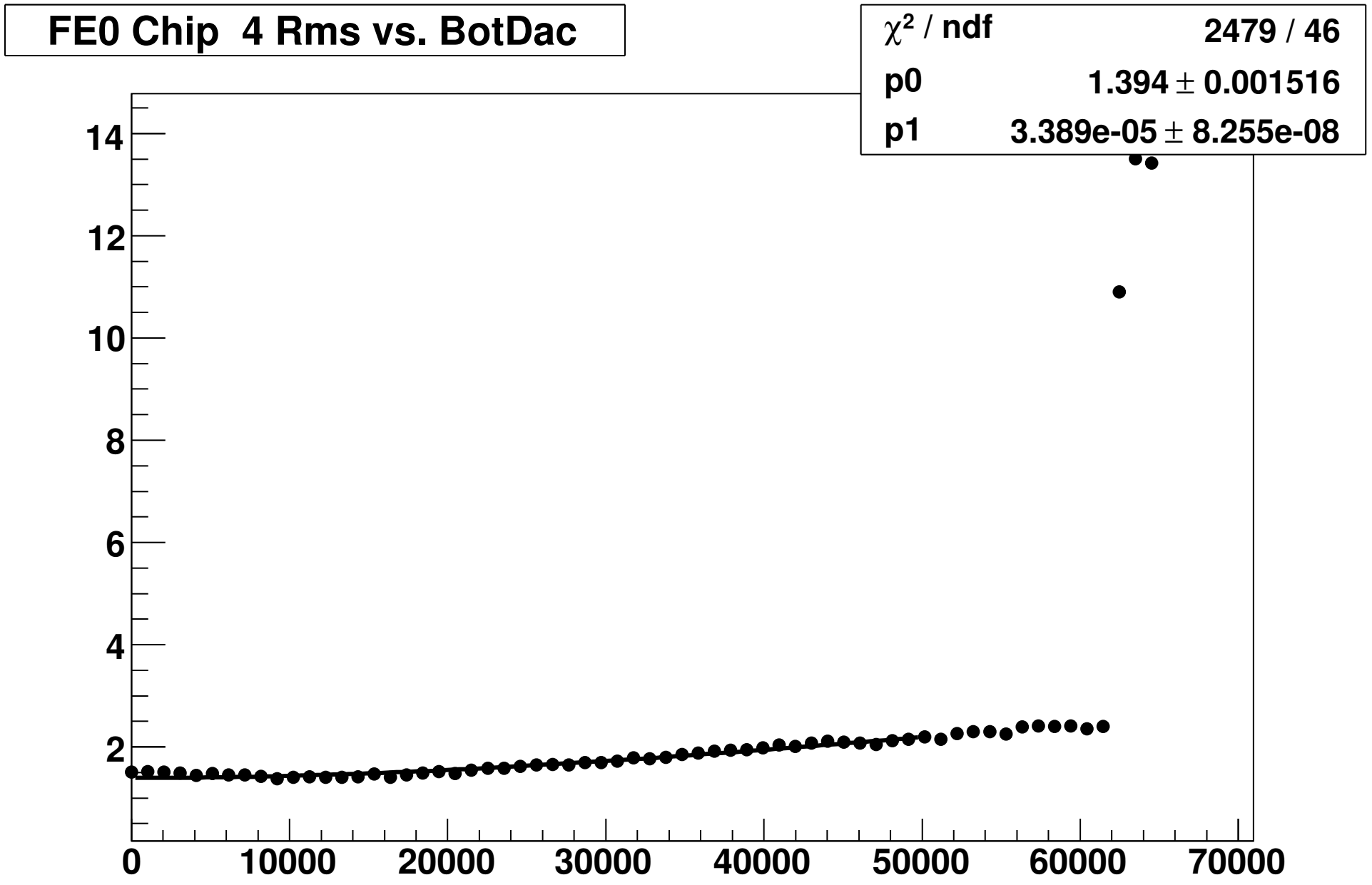
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 2479 / 46
p0 1.394 ± 0.001516
p1 3.389e-05 ± 8.255e-08
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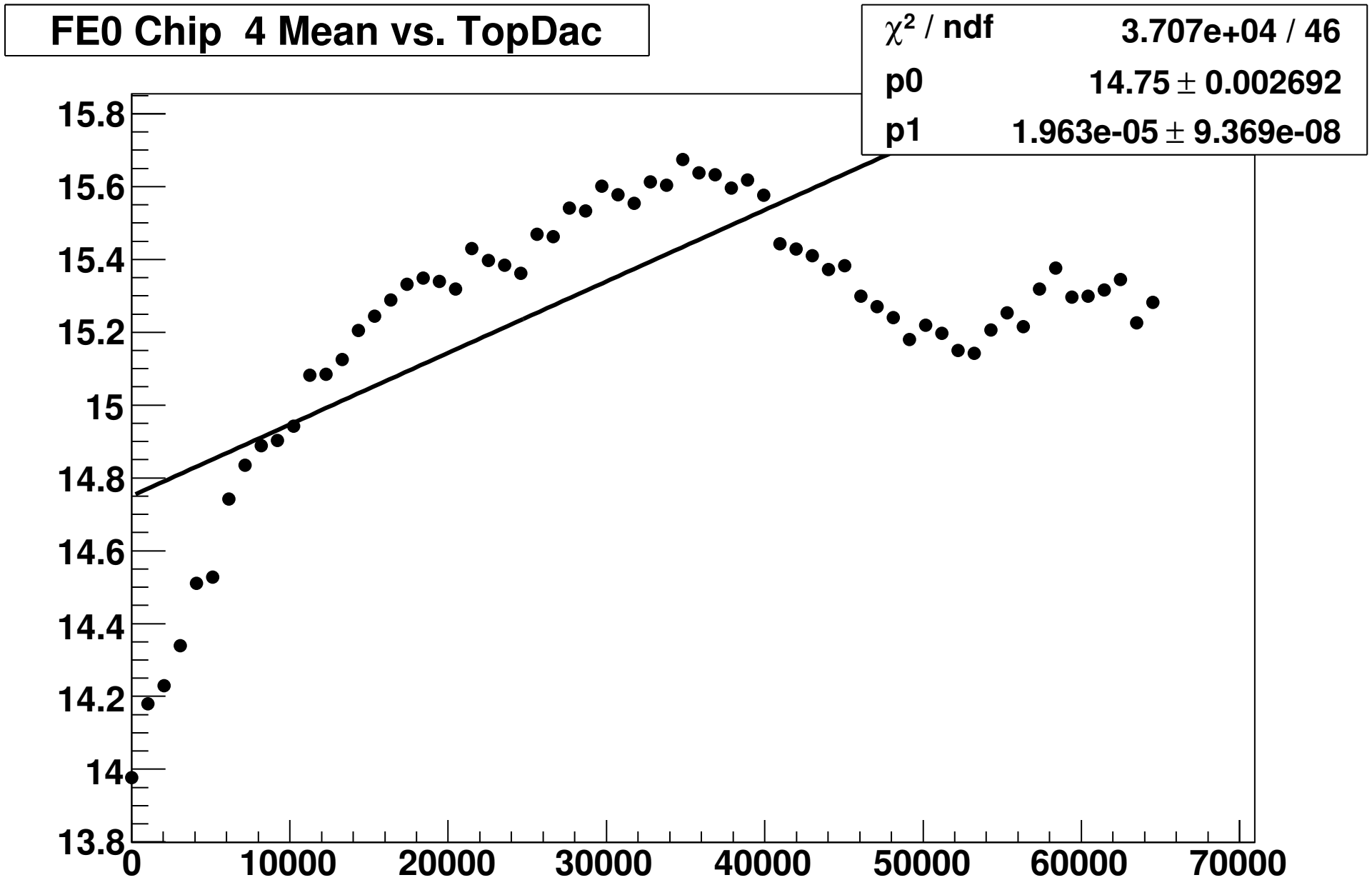
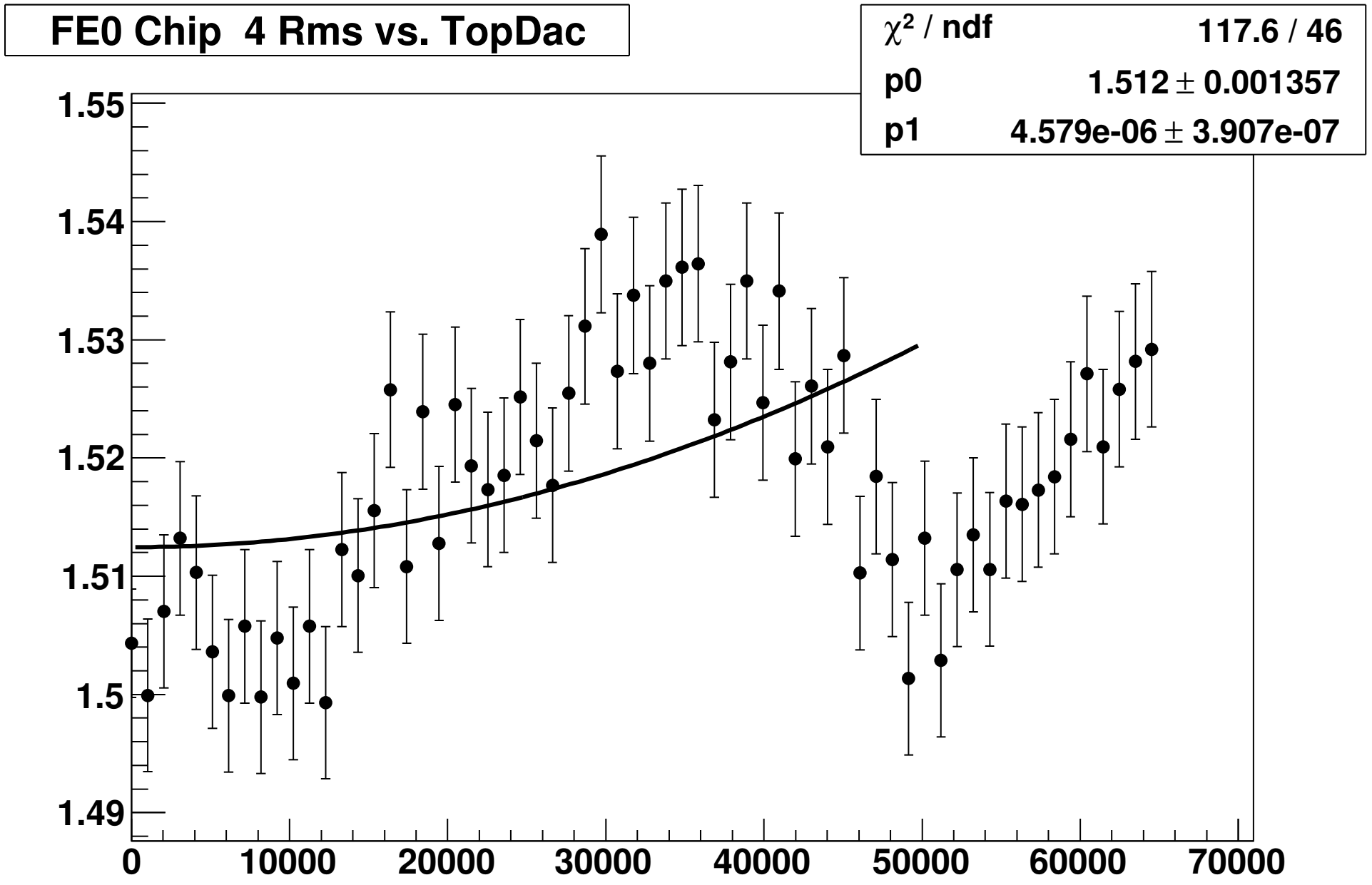
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 3.707e+04 / 46
p0 14.75 ± 0.002692
p1 1.963e-05 ± 9.369e-08
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
14
13.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 117.6 / 46
p0 1.512 ± 0.001357
p1 4.579e-06 ± 3.907e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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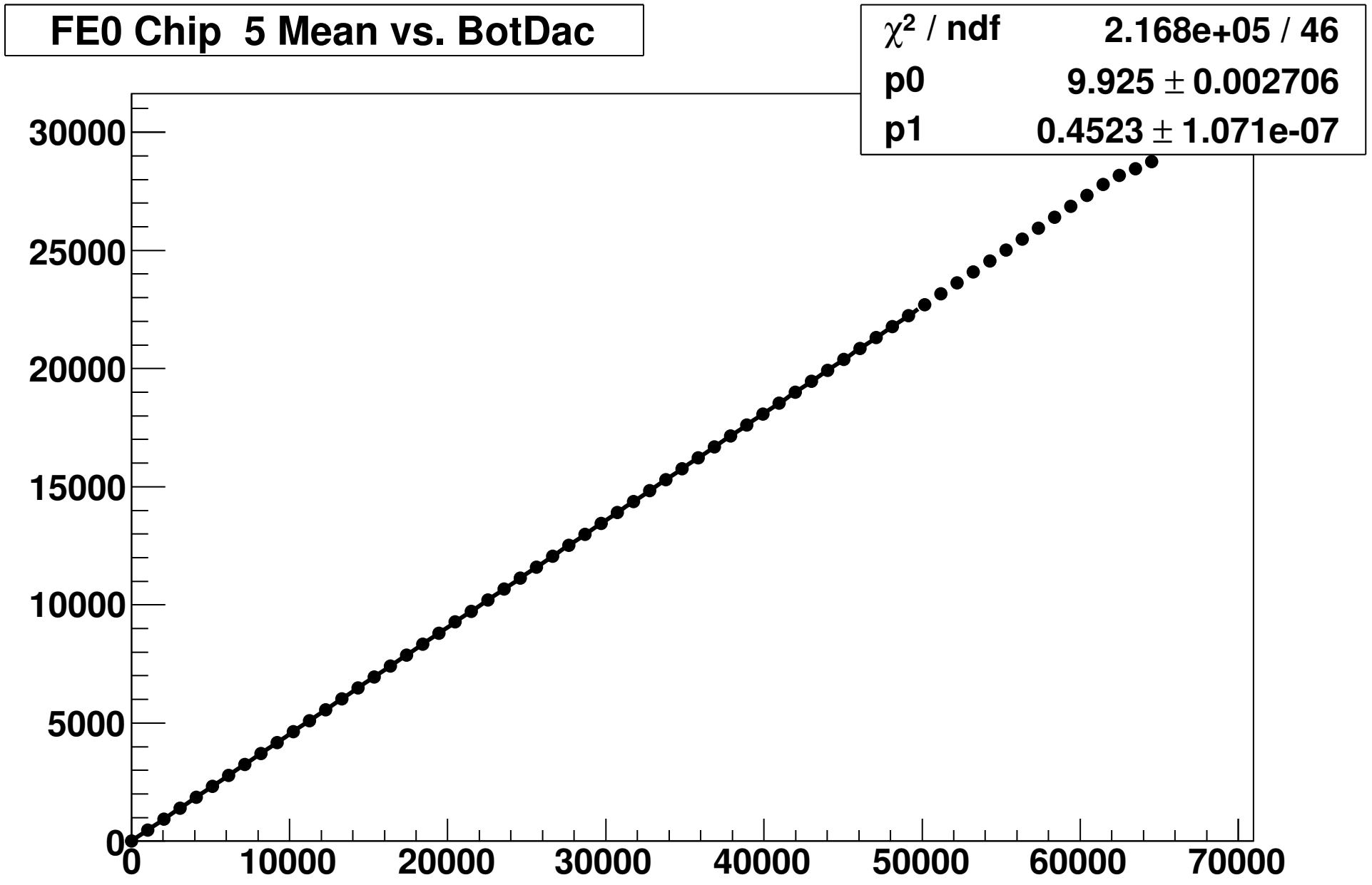
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 2.168e+05 / 46
p0 9.925 ± 0.002706
p1 0.4523 ± 1.071e-07
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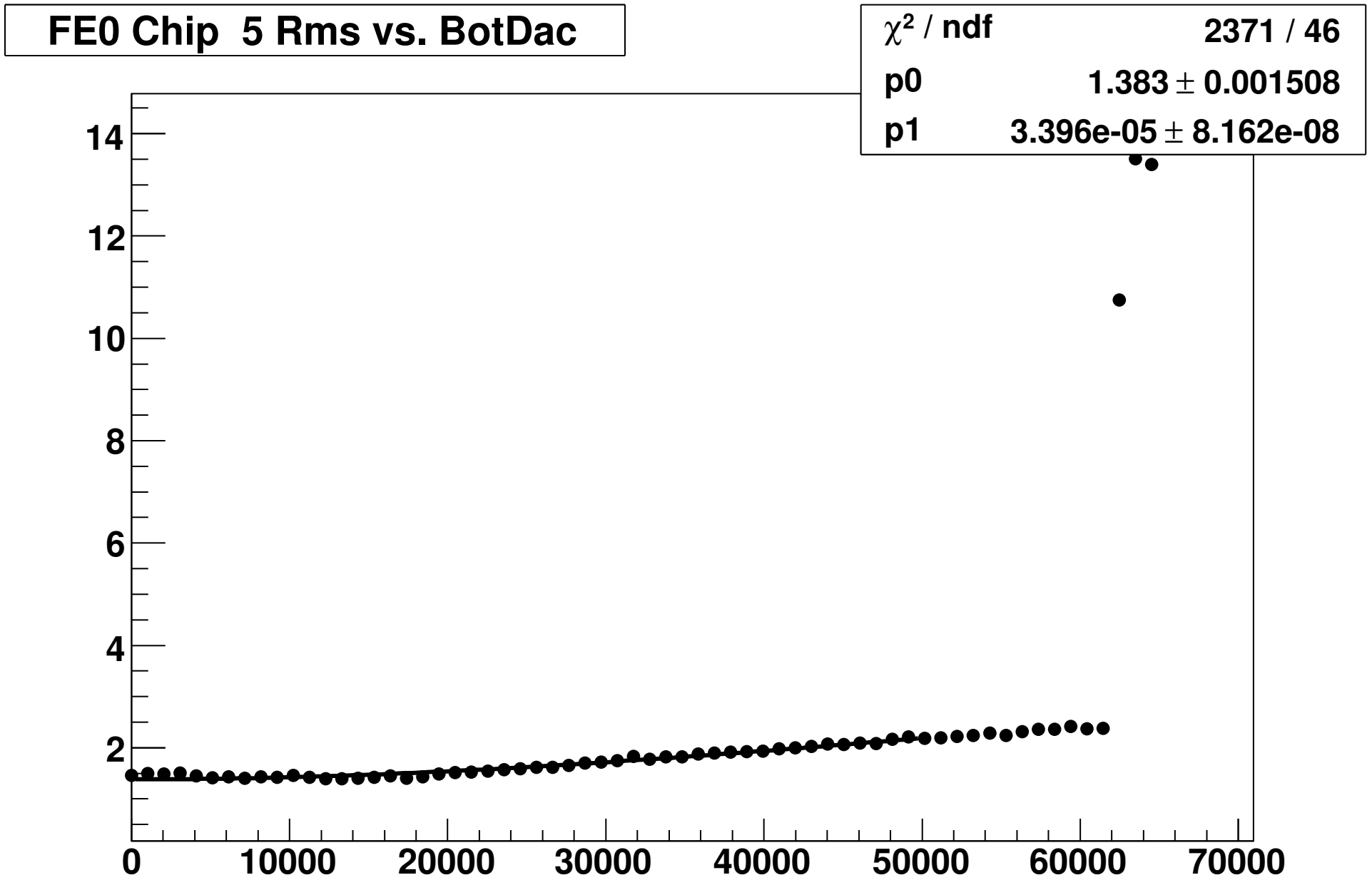
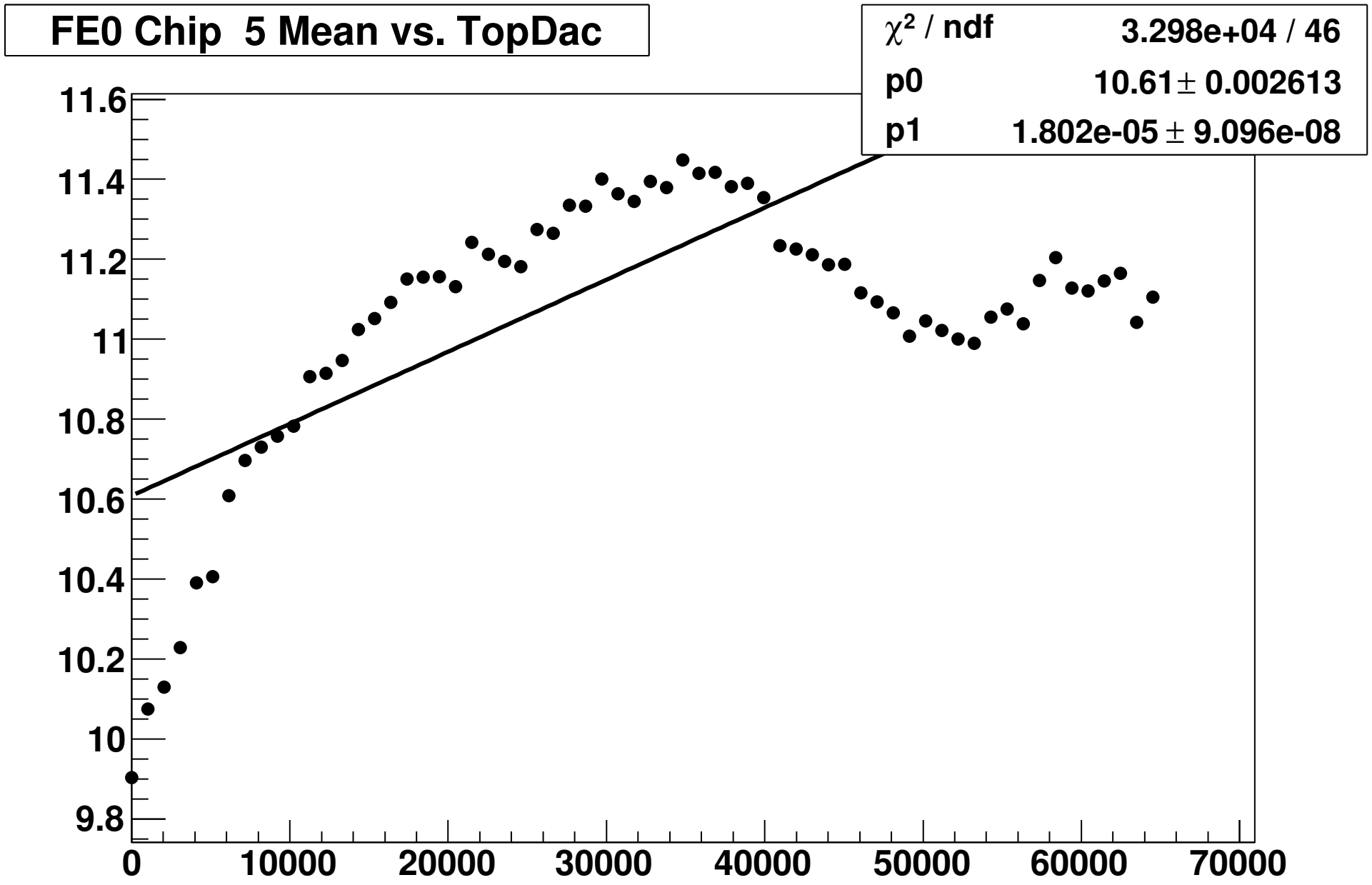
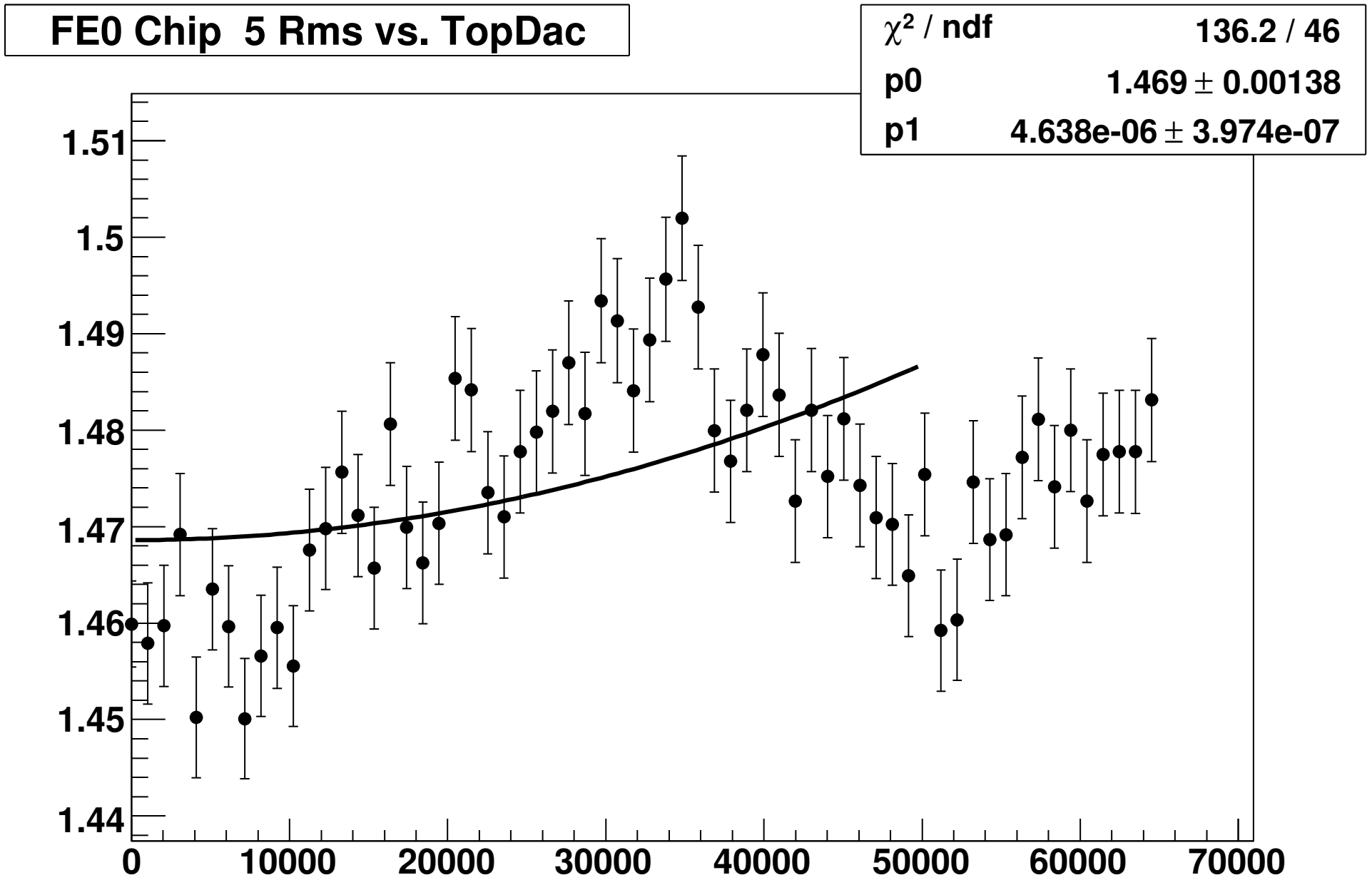
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 2371 / 46
p0 1.383 ± 0.001508
p1 3.396e-05 ± 8.162e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 3.298e+04 / 46
p0 10.61 ± 0.002613
p1 1.802e-05 ± 9.096e-08
11.6
11.4
11.2
11
10.8
10.6
10.4
10.2
10
9.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 136.2 / 46
p0 1.469 ± 0.00138
p1 4.638e-06 ± 3.974e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
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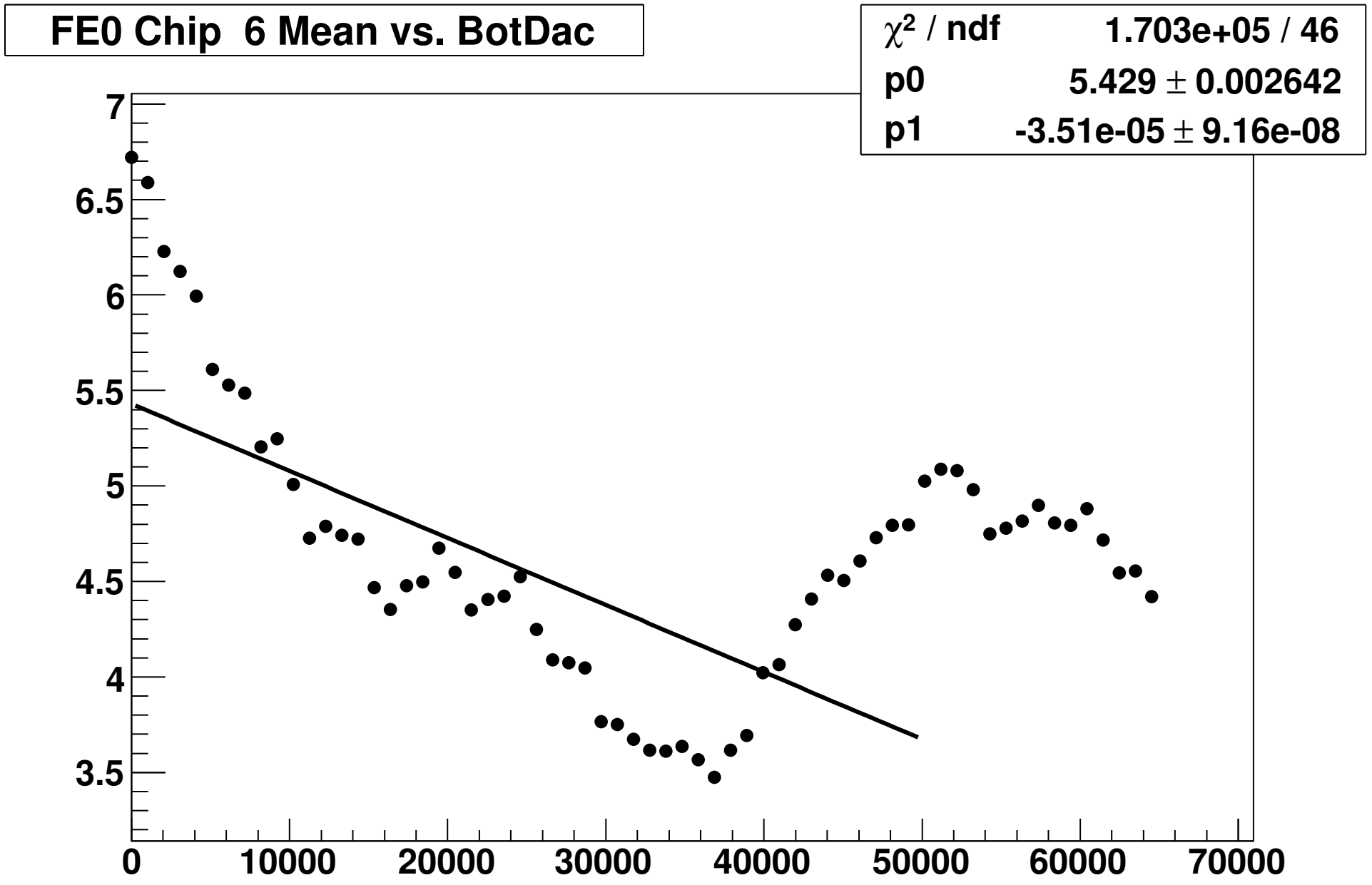
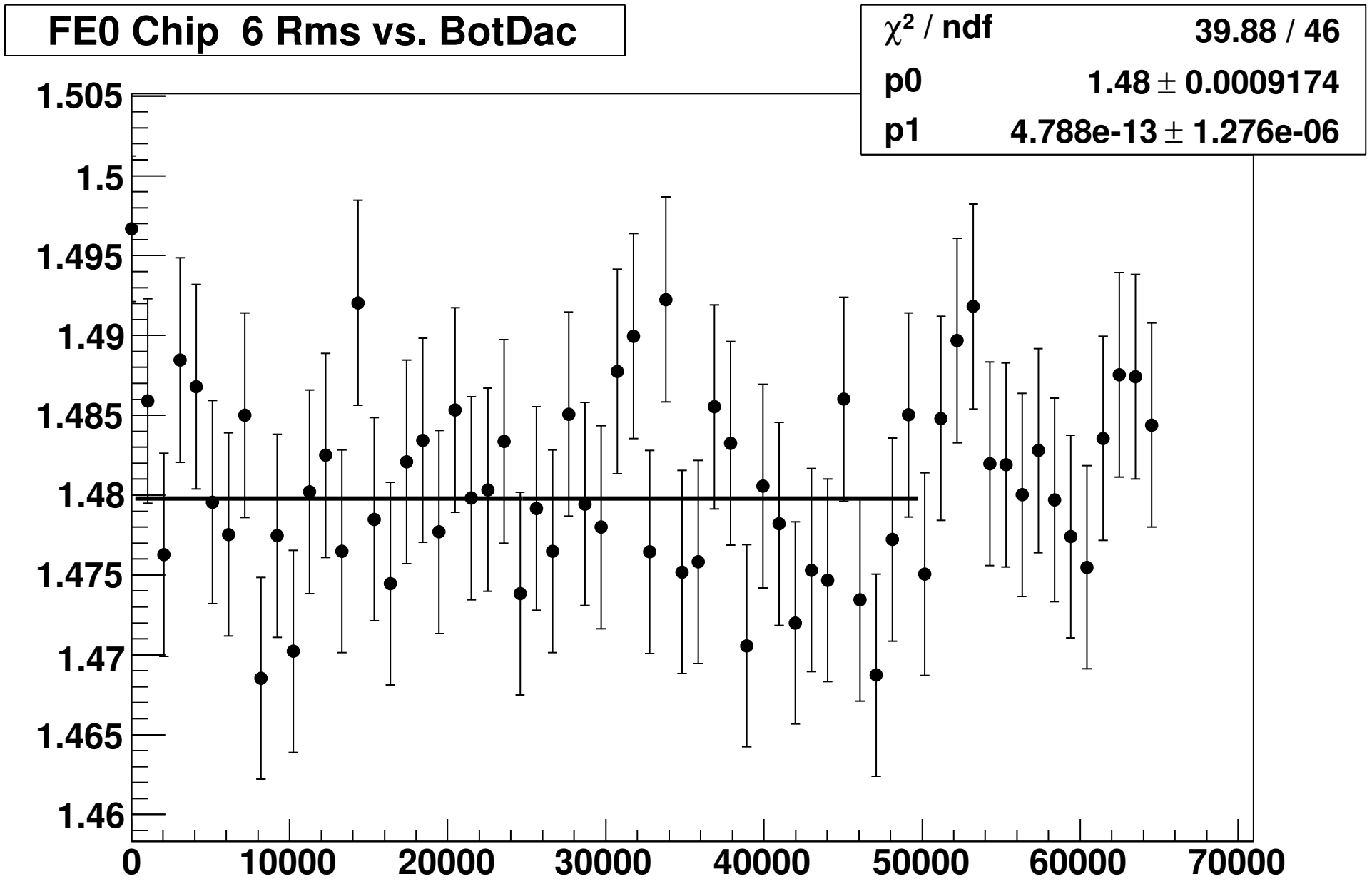
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 1.703e+05 / 46
p0 5.429 ± 0.002642
p1 -3.51e-05 ± 9.16e-08
7
6.5
6
5.5
5
4.5
4
3.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 39.88 / 46
p0 1.48 ± 0.0009174
p1 4.788e-13 ± 1.276e-06
1.505
1.5
1.495
1.49
1.485
1.48
1.475
1.47
1.465
1.46
0
10000
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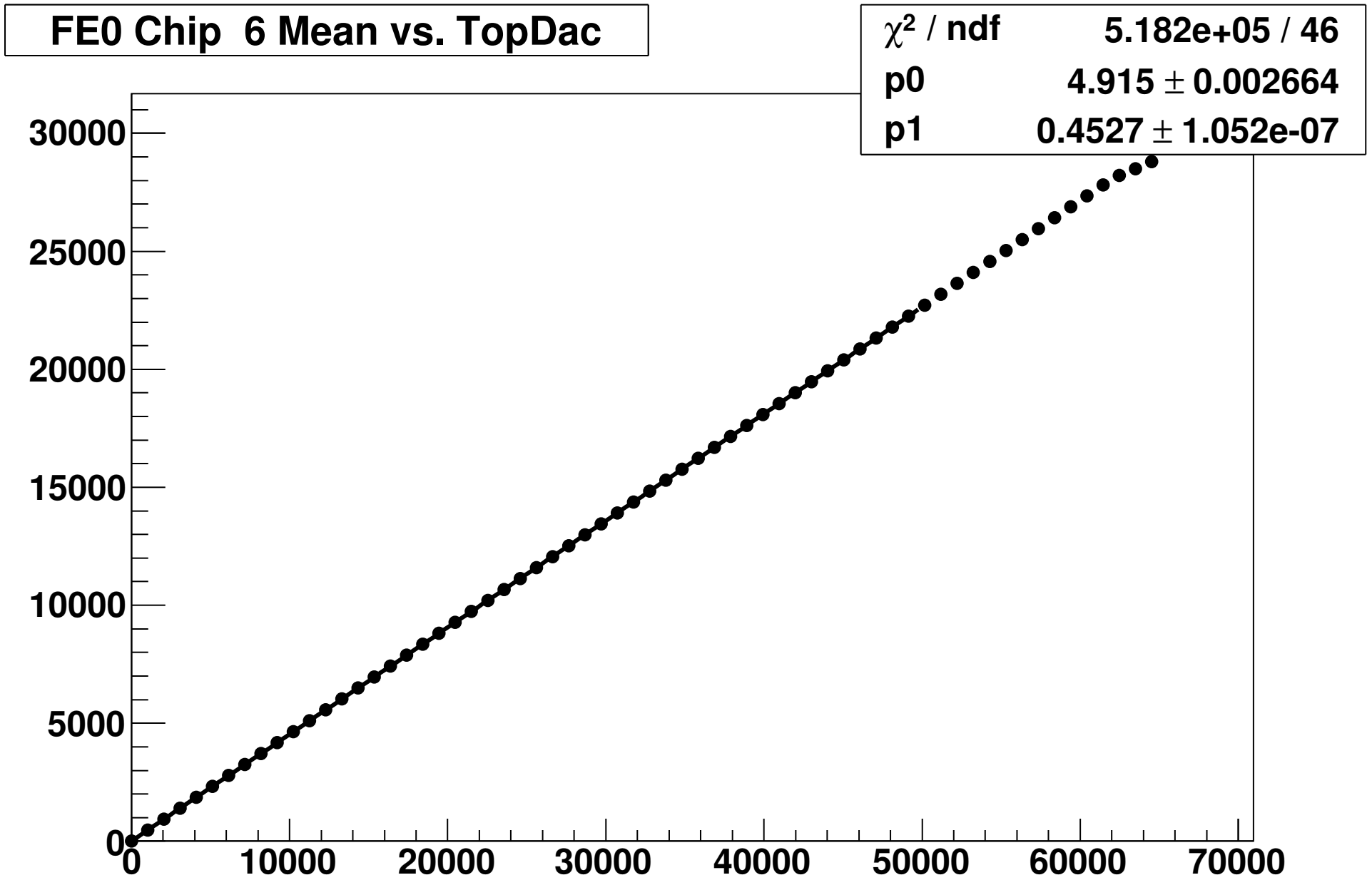
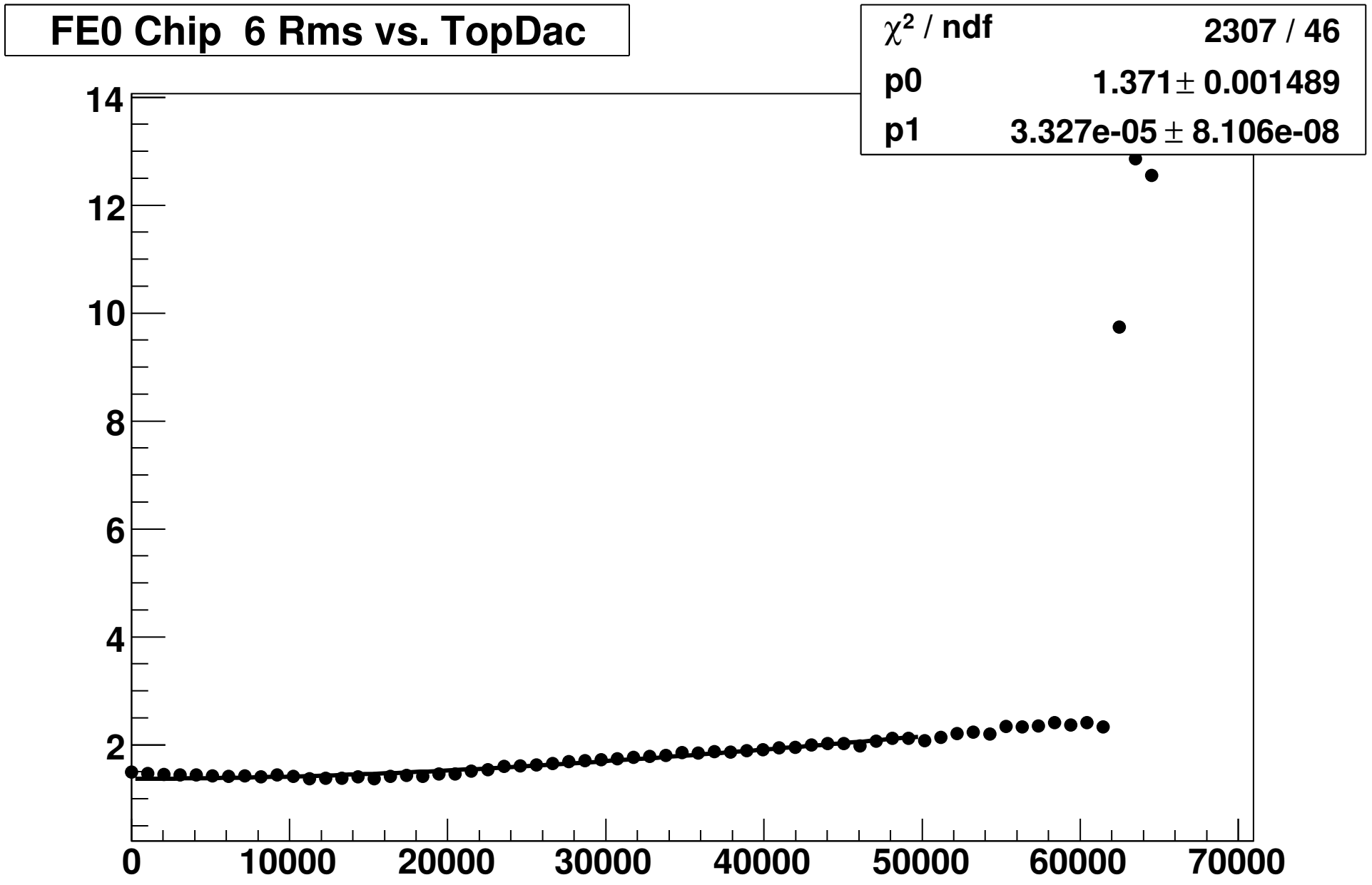
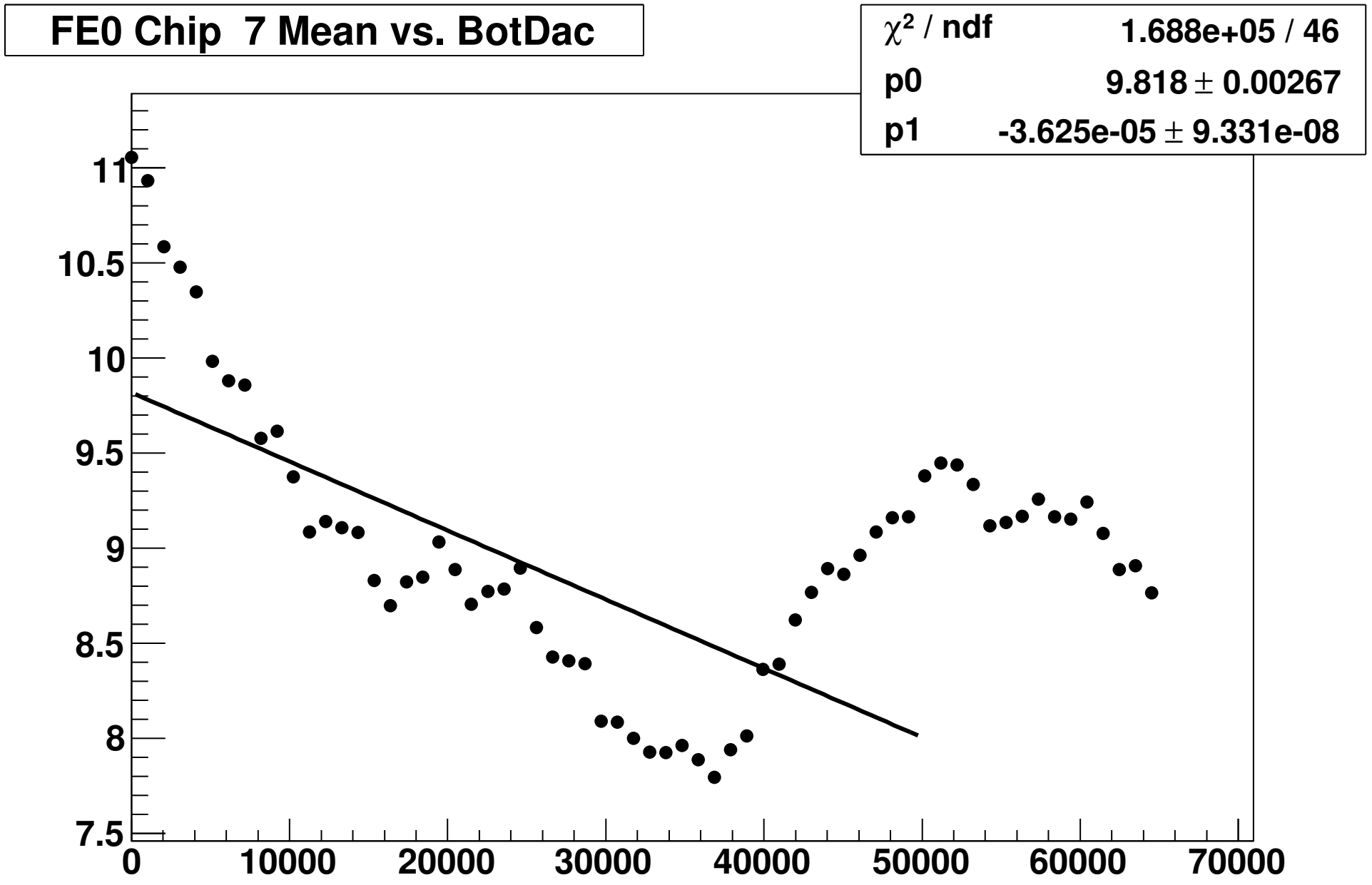
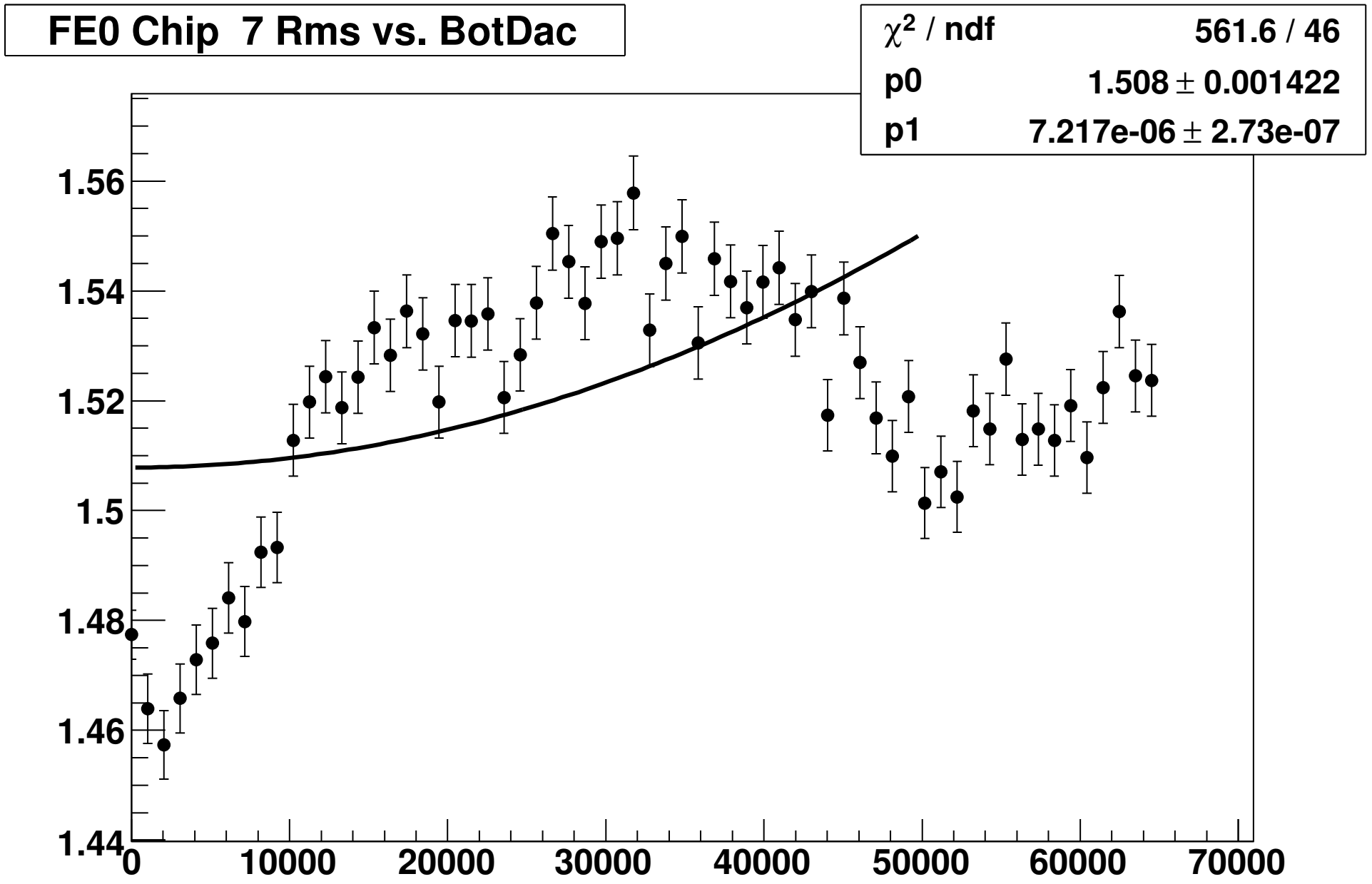
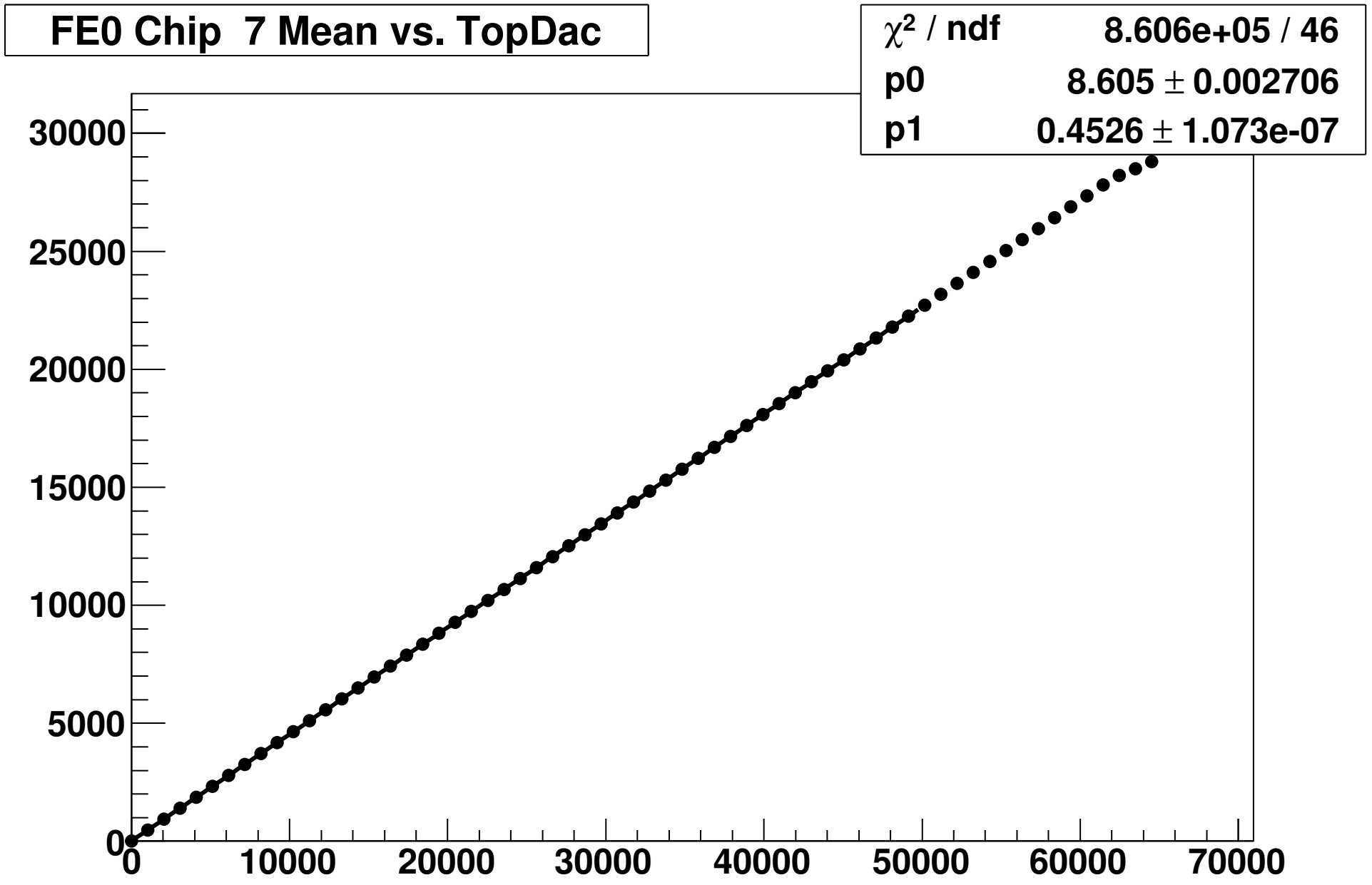
30000
40000
50000
60000
70000

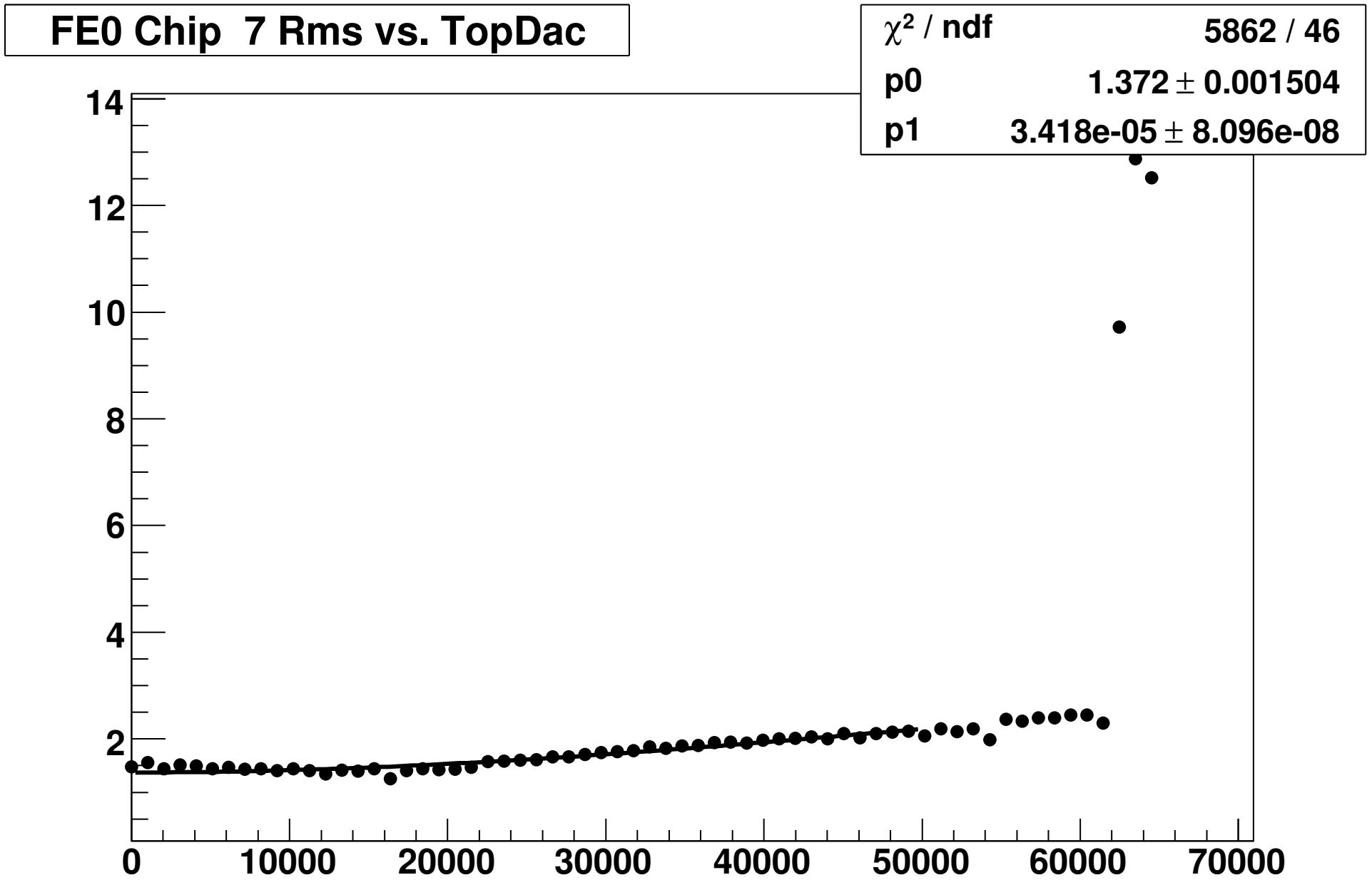

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 5.182e+05 / 46
p0 4.915 ± 0.002664
p1 0.4527 ± 1.052e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

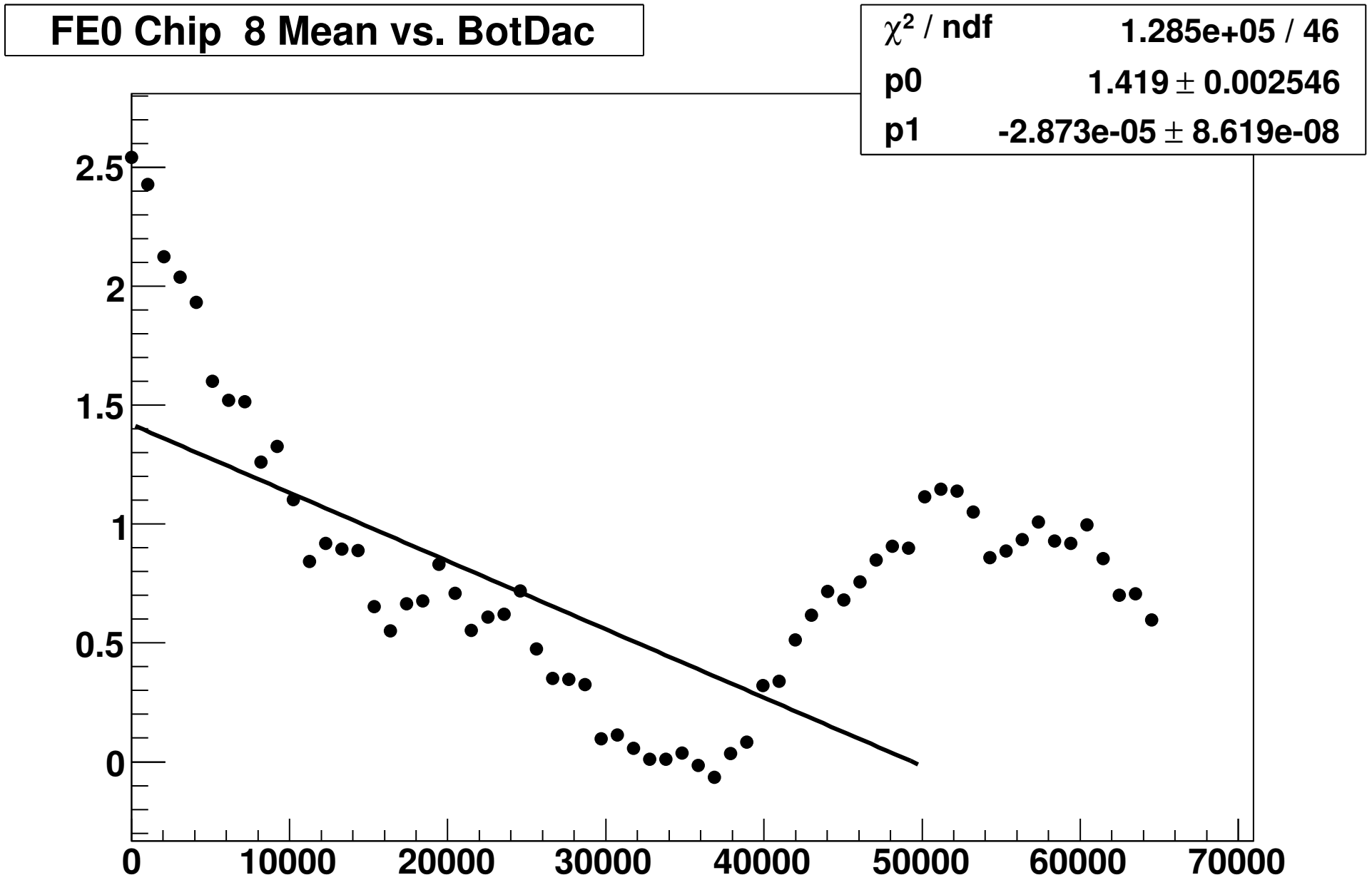

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 2307 / 46
p0 1.371 ± 0.001489
p1 3.327e-05 ± 8.106e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

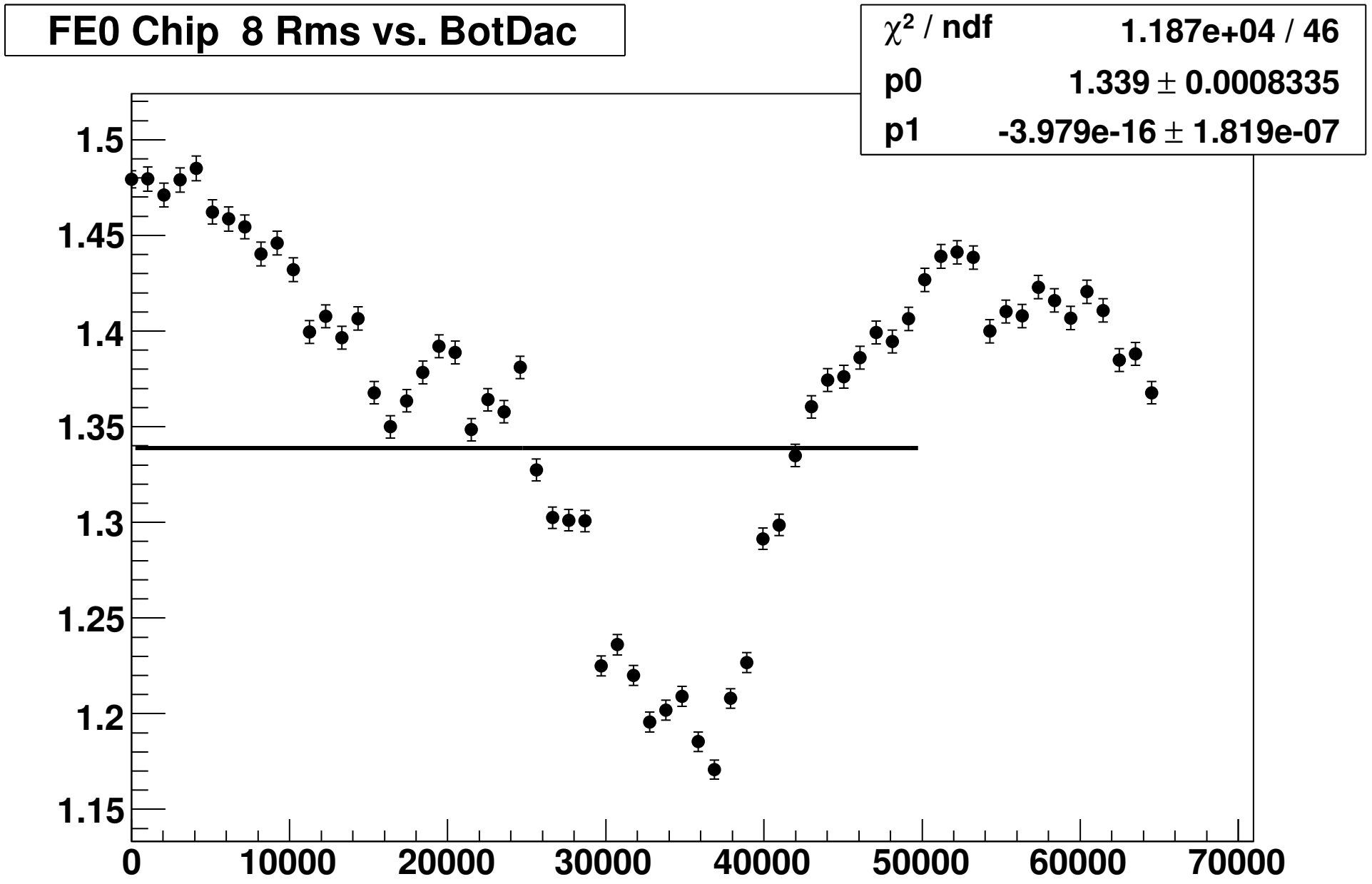

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 1.688e+05 / 46
p0 9.818 ± 0.00267
p1 -3.625e-05 ± 9.331e-08
11
10.5
10
9.5
9
8.5
8
7.5
0
10000
20000
30000
40000
50000
60000
70000

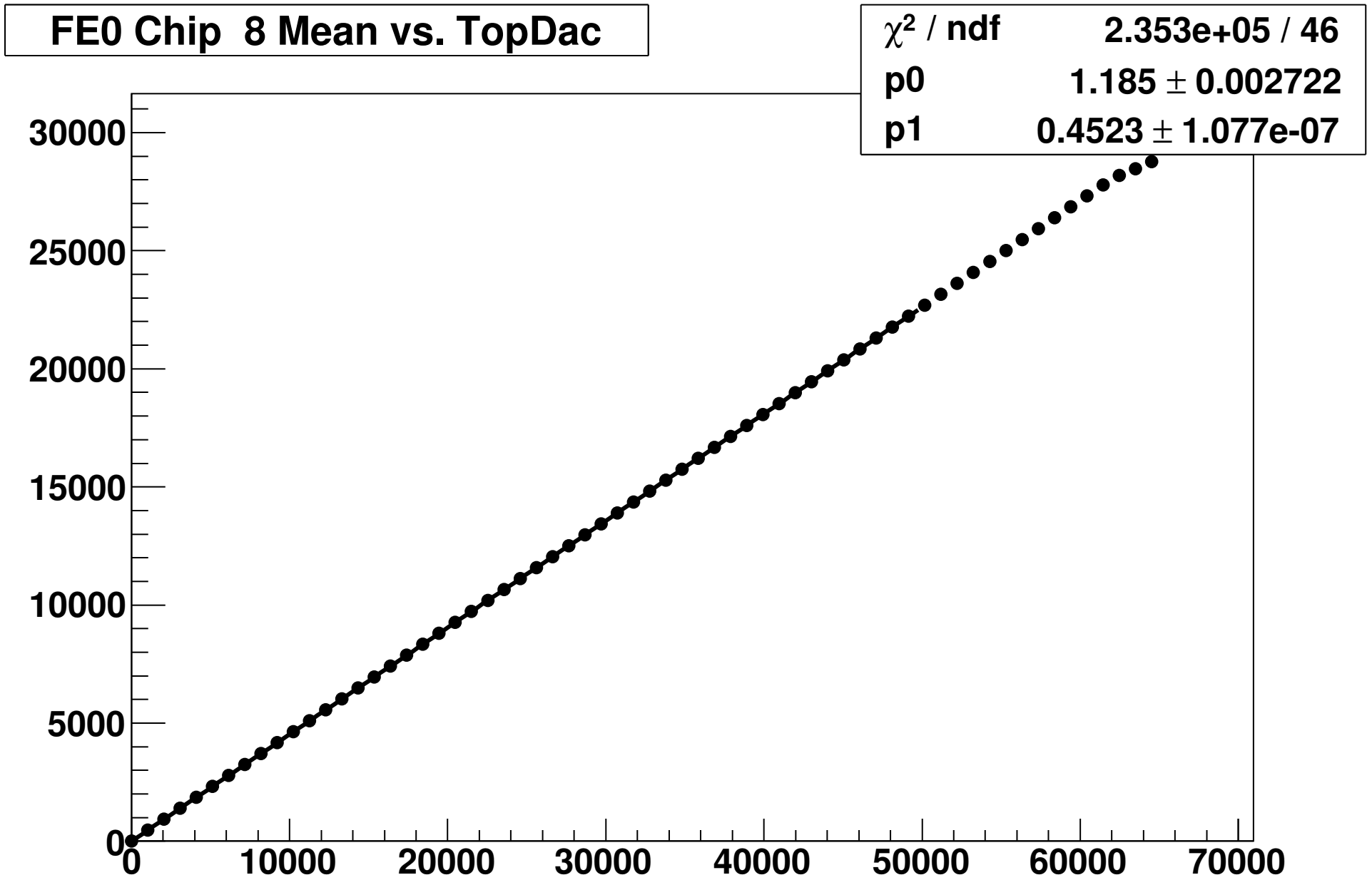

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 561.6 / 46
p0 1.508 ± 0.001422
p1 7.217e-06 ± 2.73e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 8.606e+05 / 46
p0 8.605 ± 0.002706
p1 0.4526 ± 1.073e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 5862 / 46
p0 1.372 ± 0.001504
p1 3.418e-05 ± 8.096e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 1.285e+05 / 46
p0 1.419 ± 0.002546
p1 -2.873e-05 ± 8.619e-08
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 1.187e+04 / 46
p0 1.339 ± 0.0008335
p1 -3.979e-16 ± 1.819e-07
1.5
1.45
1.4
1.35
1.3
1.25
1.2
1.15
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 2.353e+05 / 46
p0 1.185 ± 0.002722
p1 0.4523 ± 1.077e-07
30000
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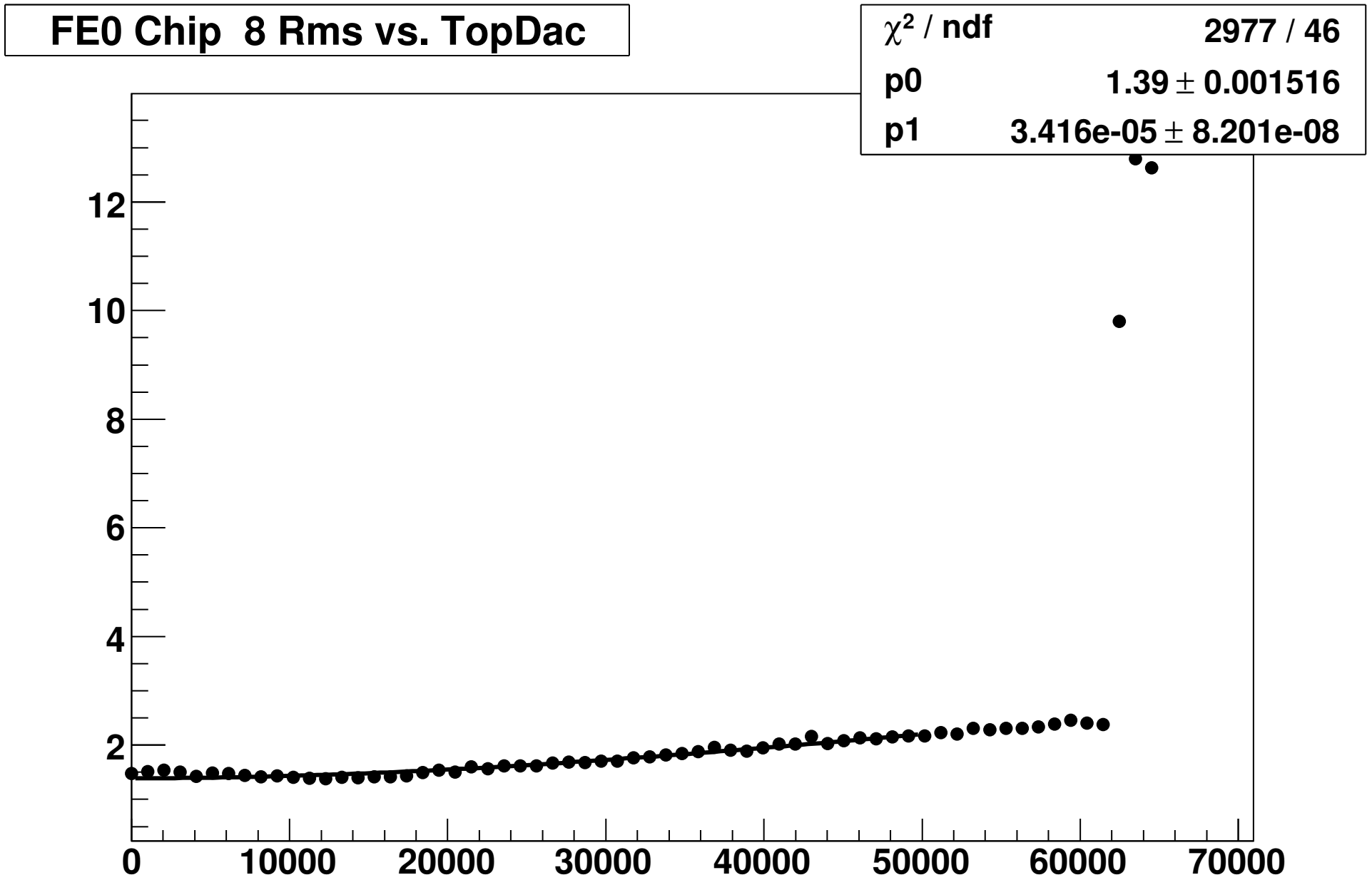
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 2977 / 46
p0 1.39 ± 0.001516
p1 3.416e-05 ± 8.201e-08
12
10
8
6
4
2
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10000
20000
30000
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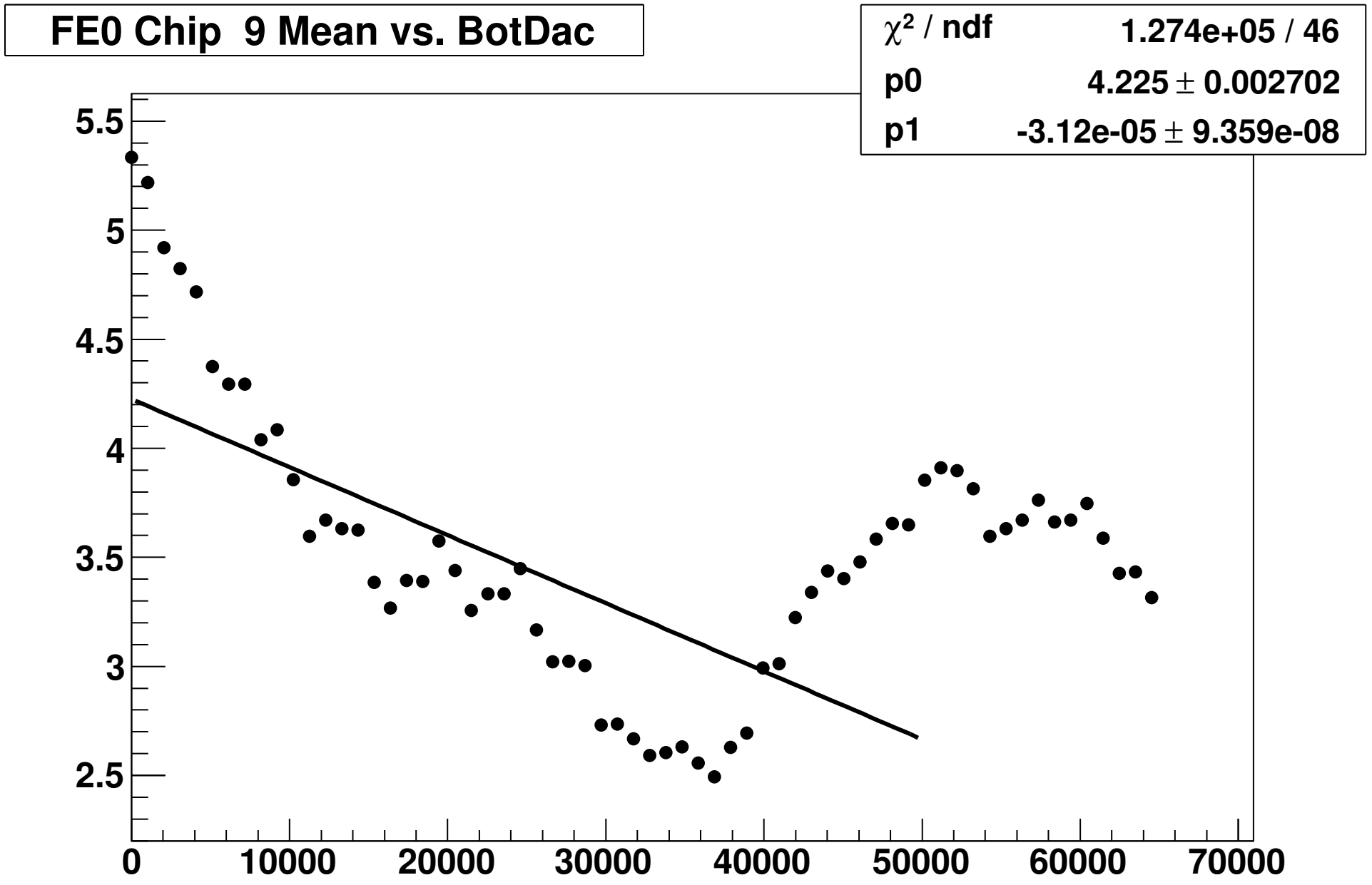
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 1.274e+05 / 46
p0 4.225 ± 0.002702
p1 -3.12e-05 ± 9.359e-08
5.5
5
4.5
4
3.5
3
2.5
0
10000
20000
30000
40000
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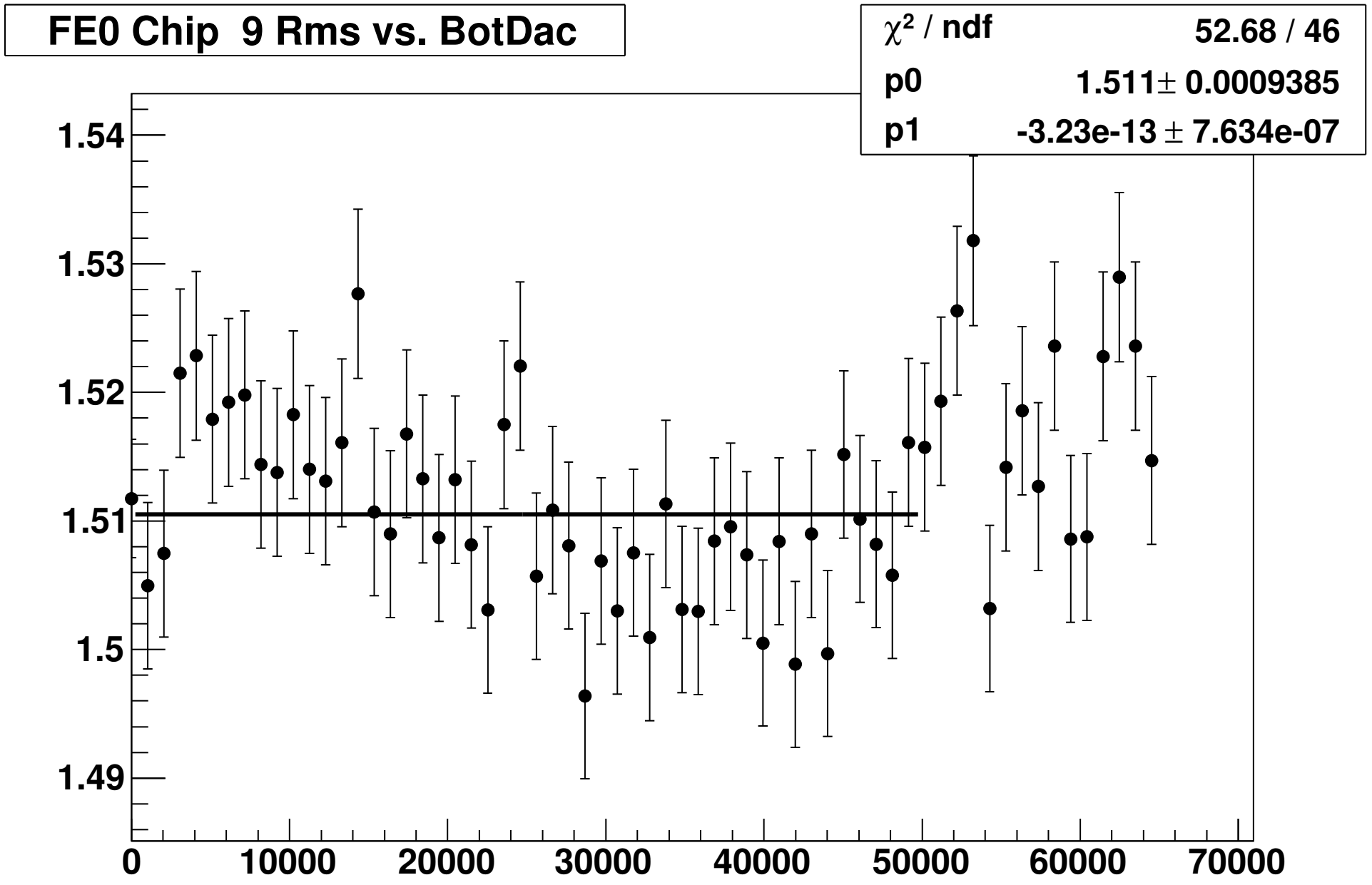
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 52.68 / 46
p0 1.511± 0.0009385
p1 -3.23e-13 ± 7.634e-07
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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60000
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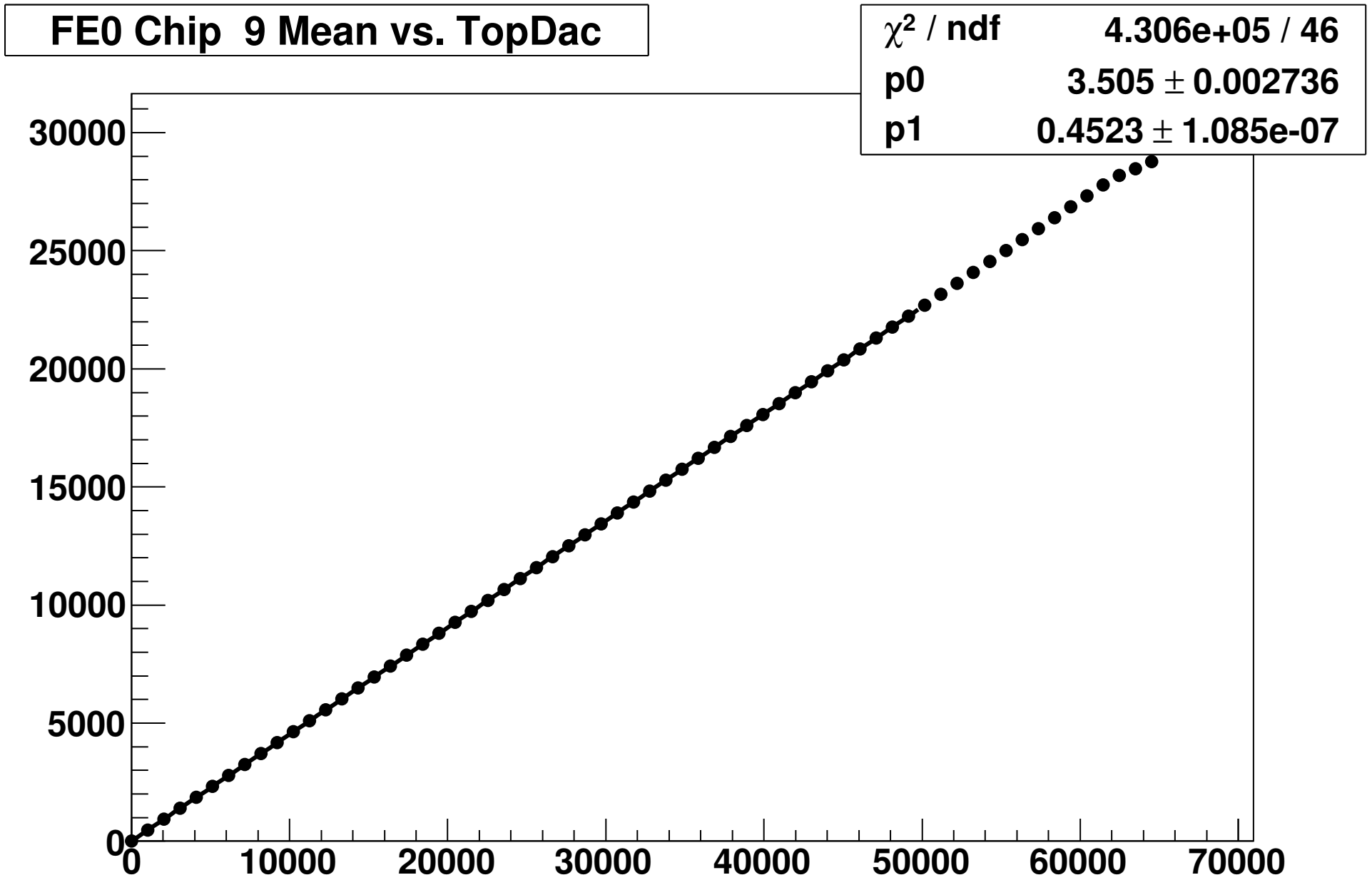
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 4.306e+05 / 46
p0 3.505 ± 0.002736
p1 0.4523 ± 1.085e-07
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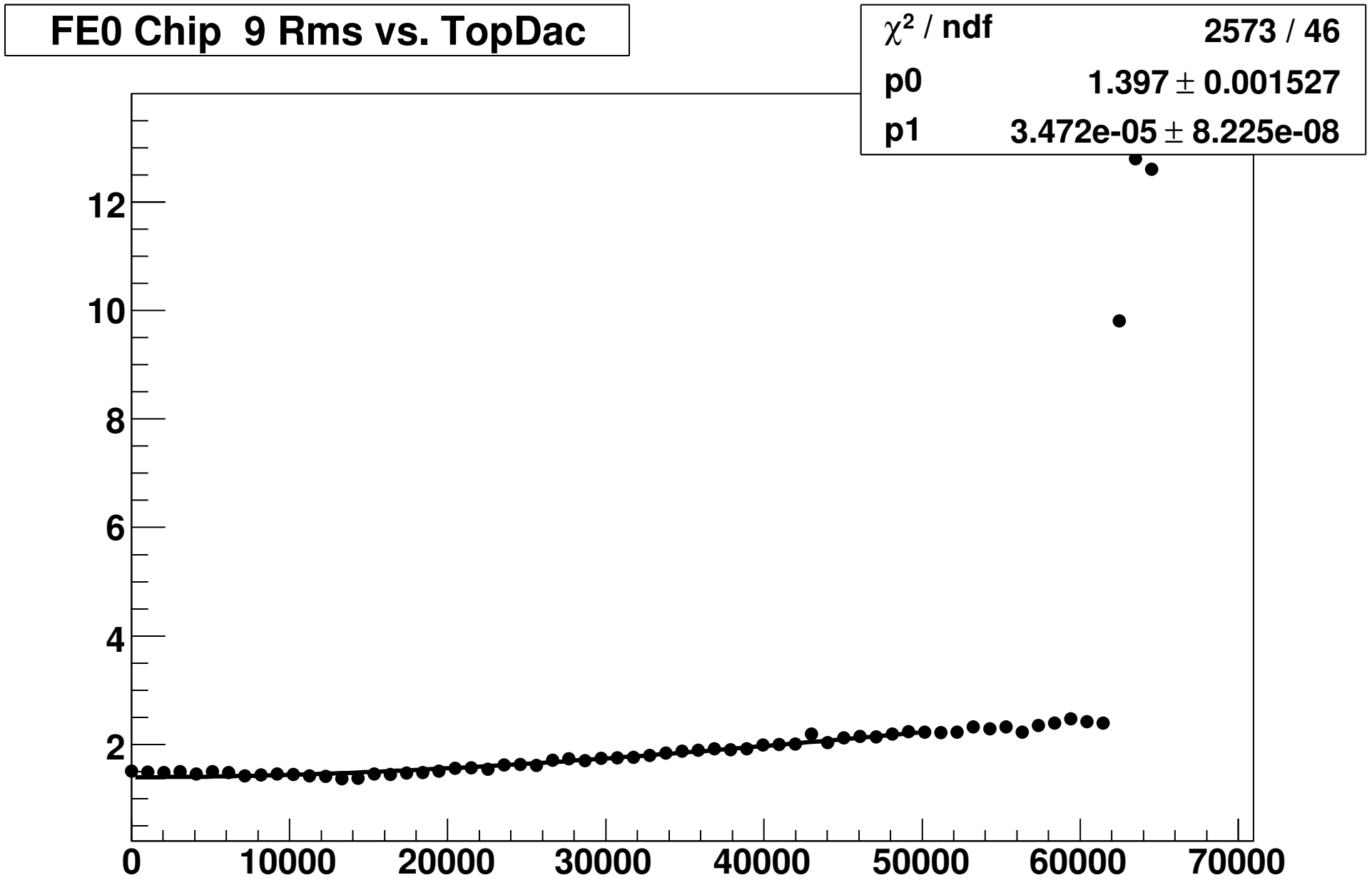
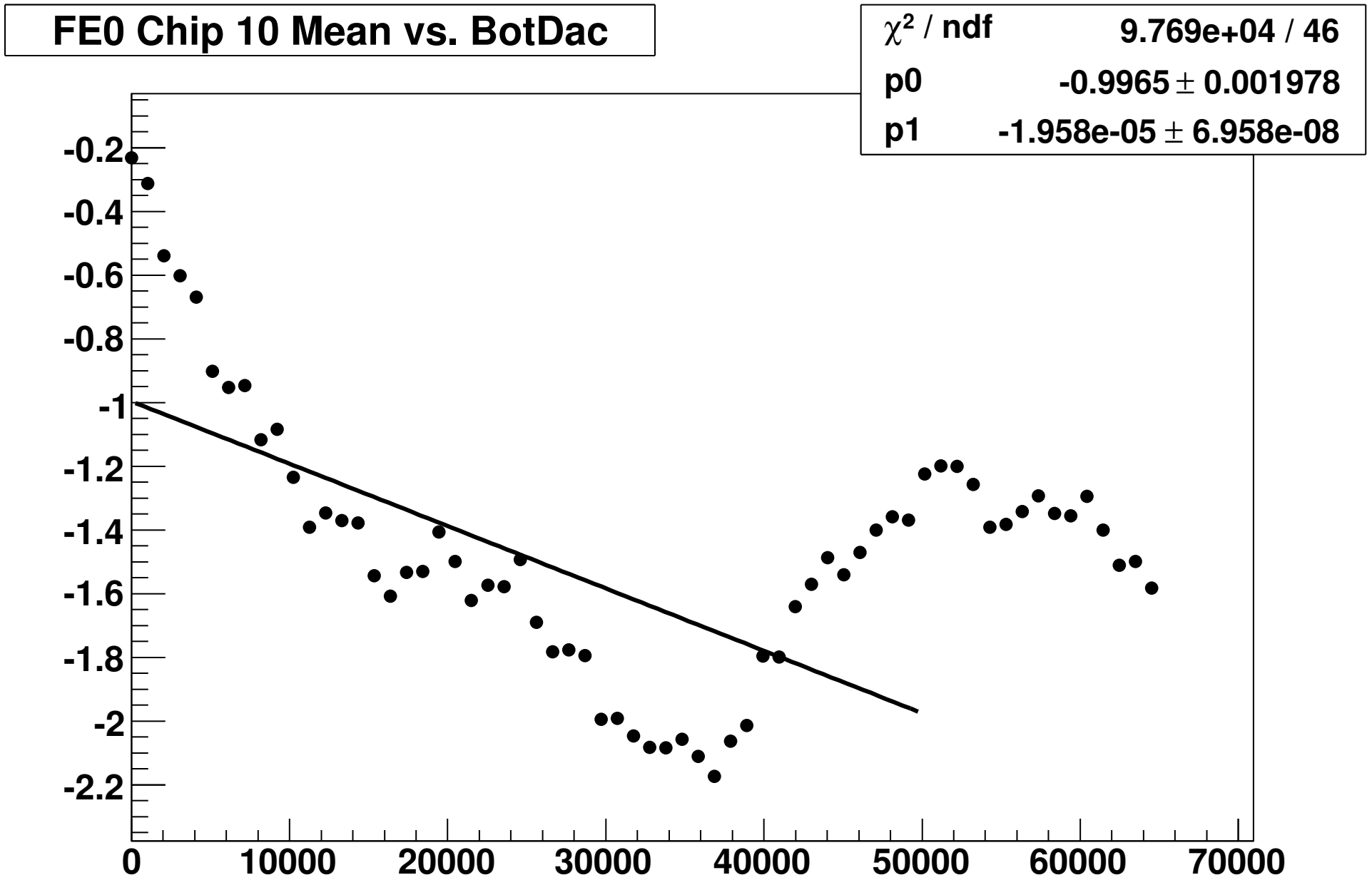
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 2573 / 46
p0 1.397 ± 0.001527
p1 3.472e-05 ± 8.225e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 9.769e+04 / 46
p0 -0.9965 ± 0.001978
p1 -1.958e-05 ± 6.958e-08
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
-1.8
-2
-2.2
0
10000
20000
30000
40000
50000
60000
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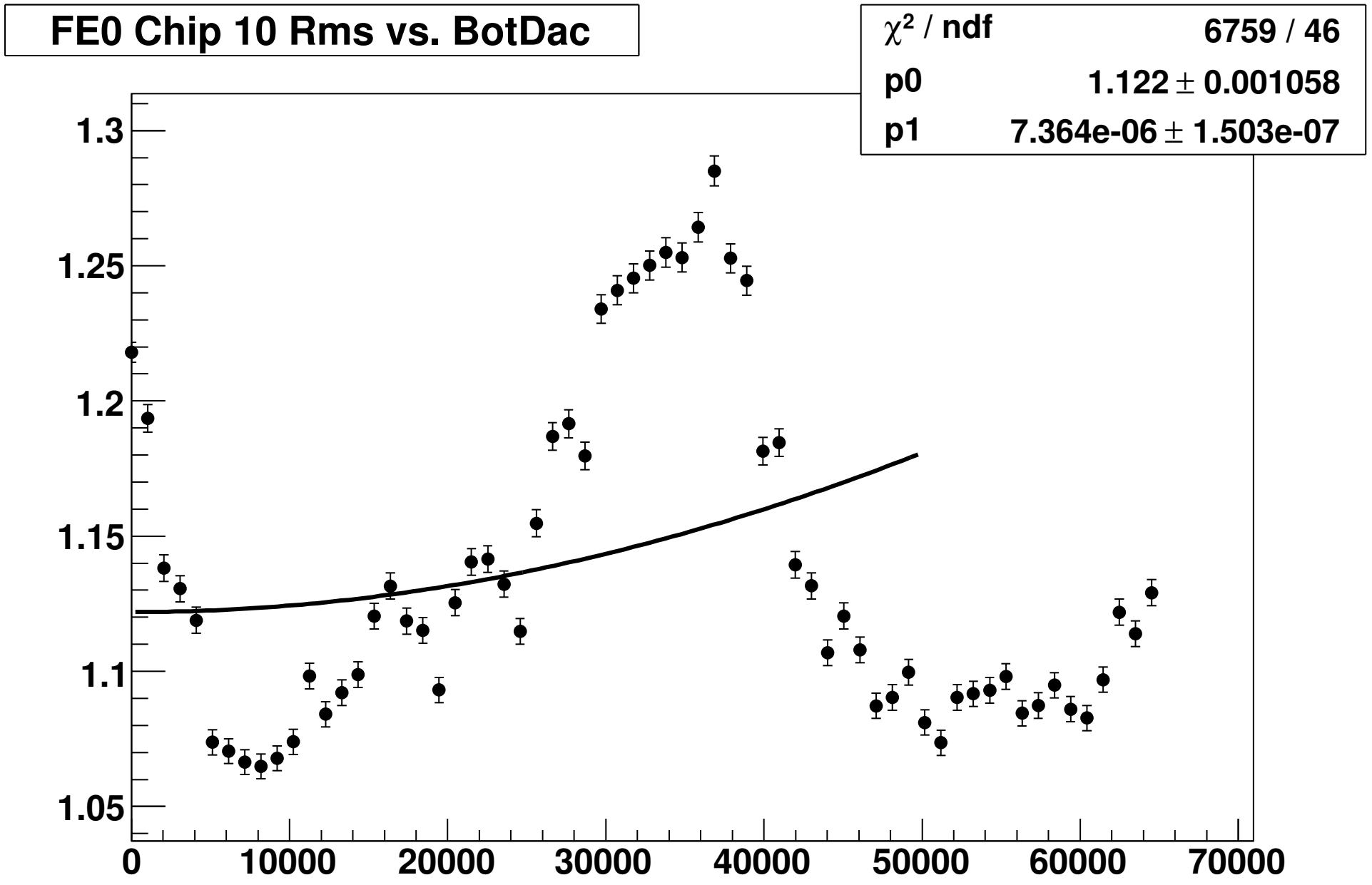
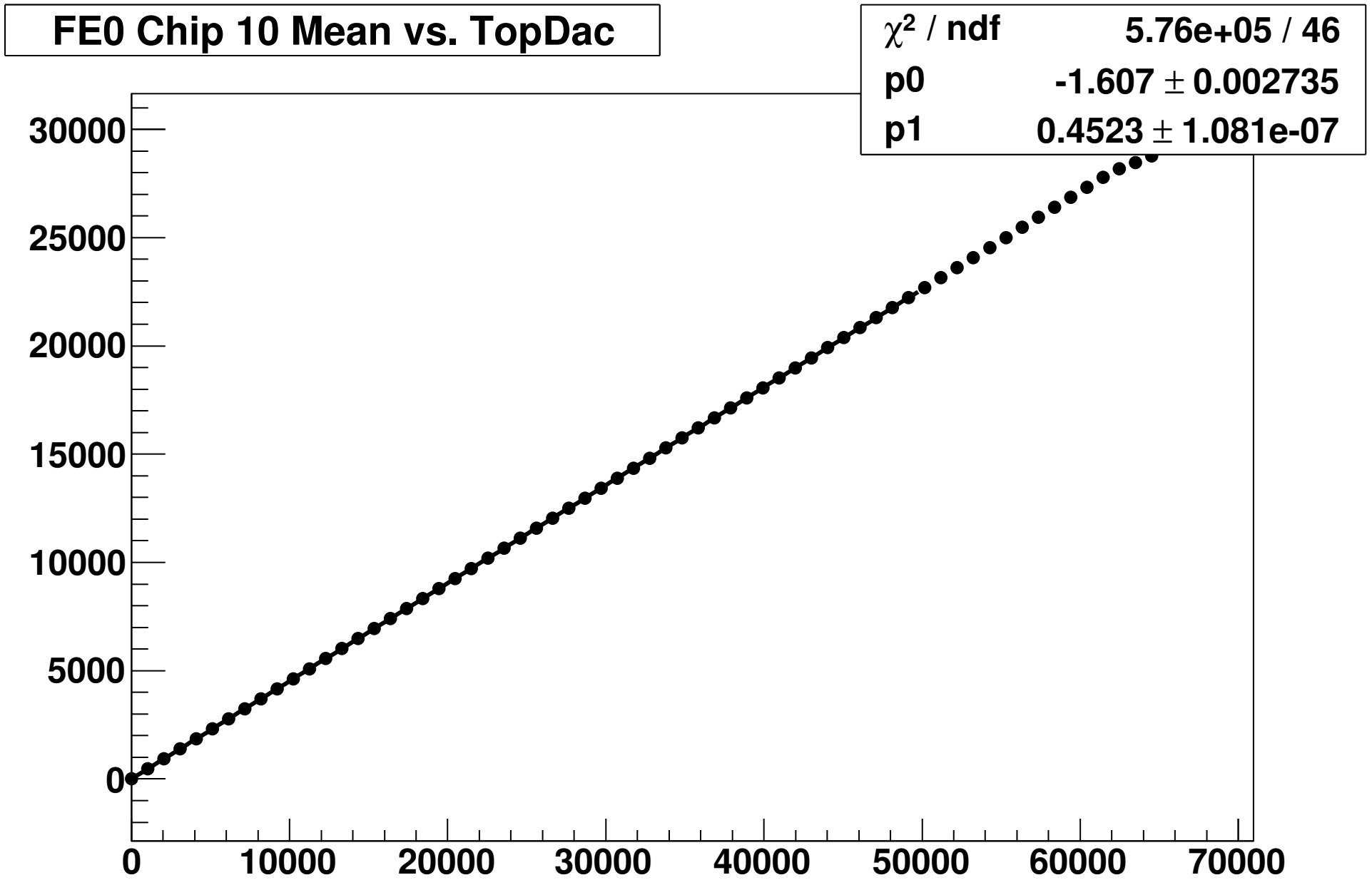

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 6759 / 46
p0 1.122 ± 0.001058
p1 7.364e-06 ± 1.503e-07
1.3
1.25
1.2
1.15
1.1
1.05
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 5.76e+05 / 46
p0 -1.607 ± 0.002735
p1 0.4523 ± 1.081e-07
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25000
20000
15000
10000
5000
0
0
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20000
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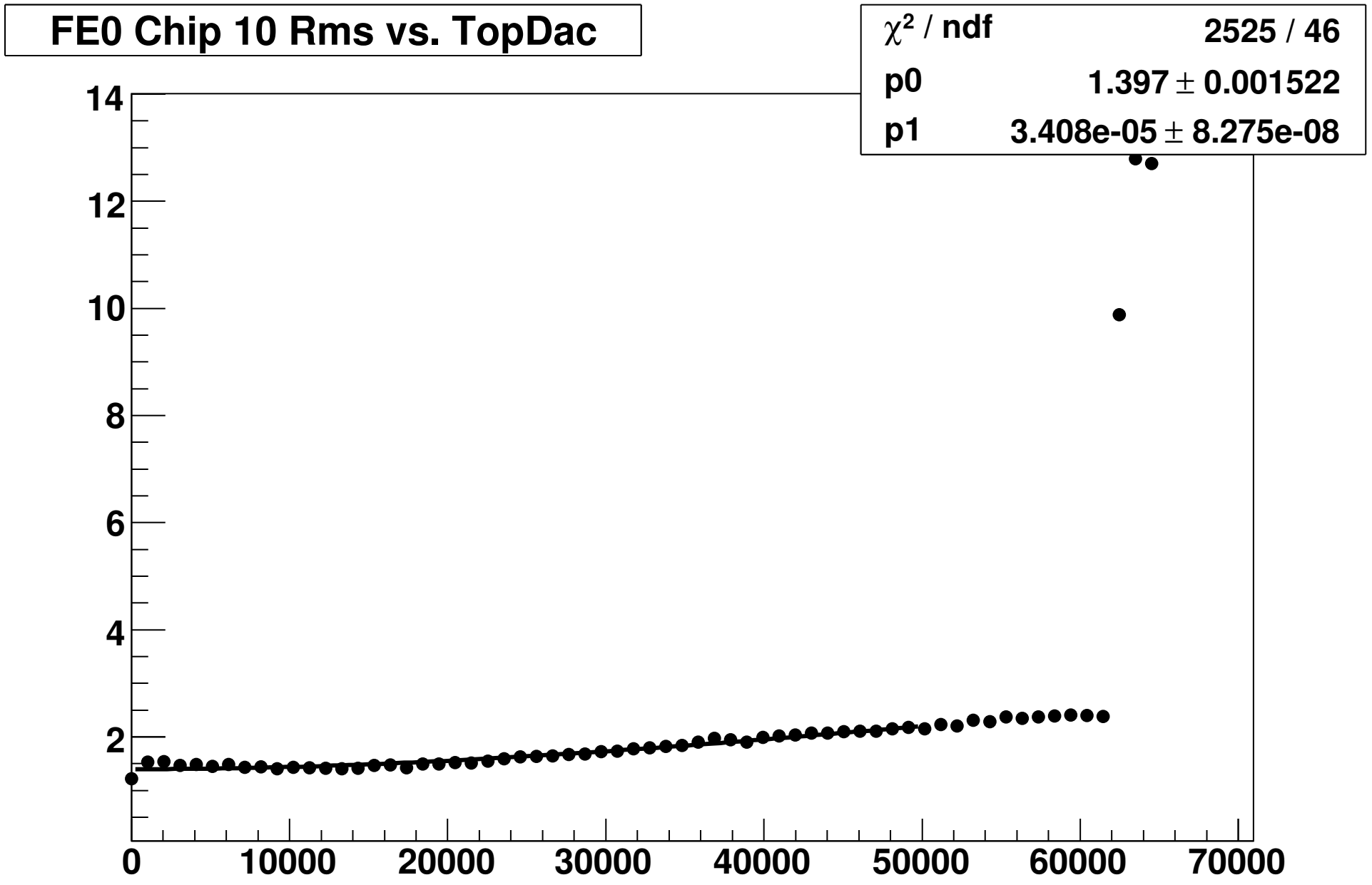
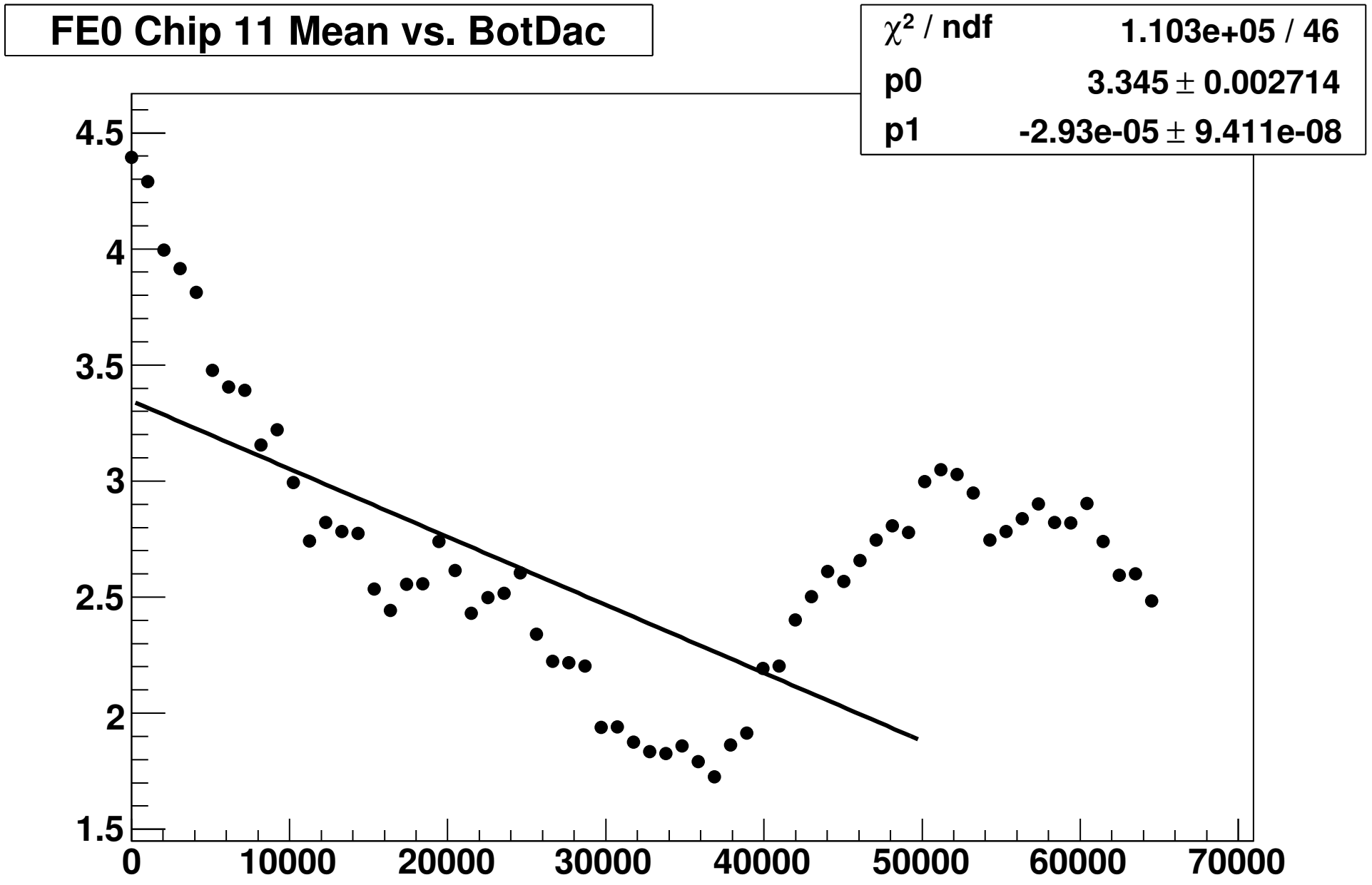
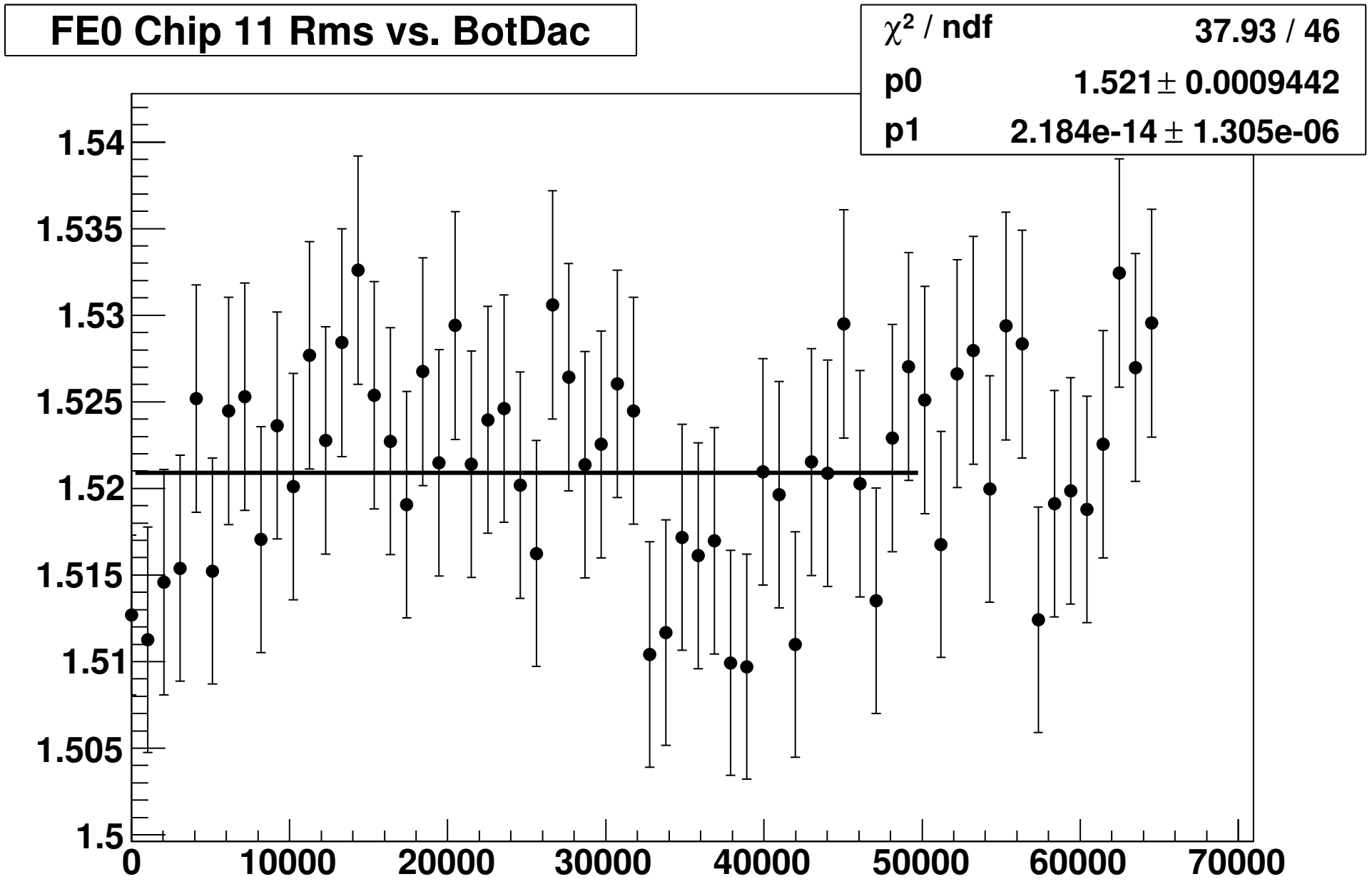
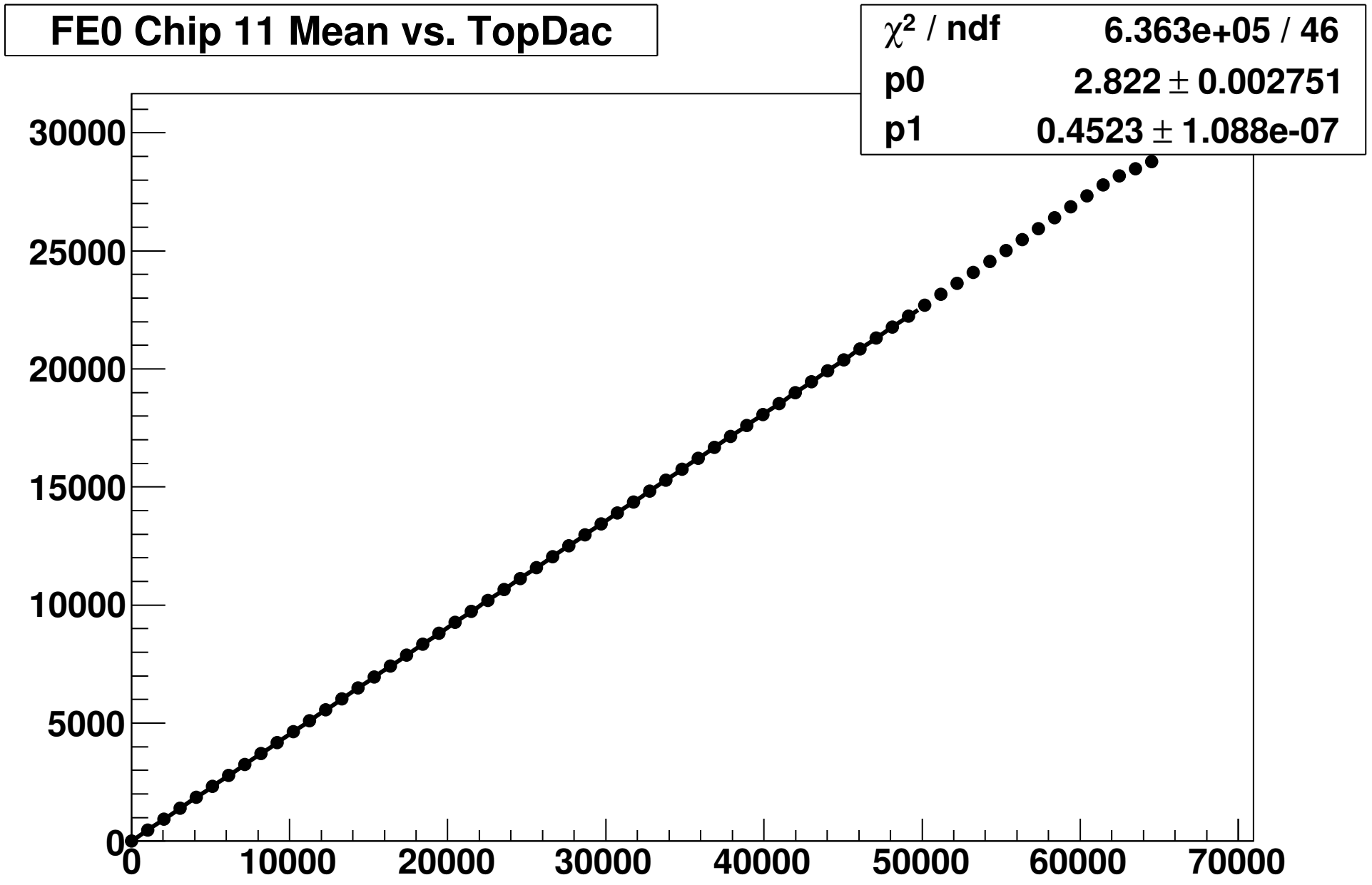
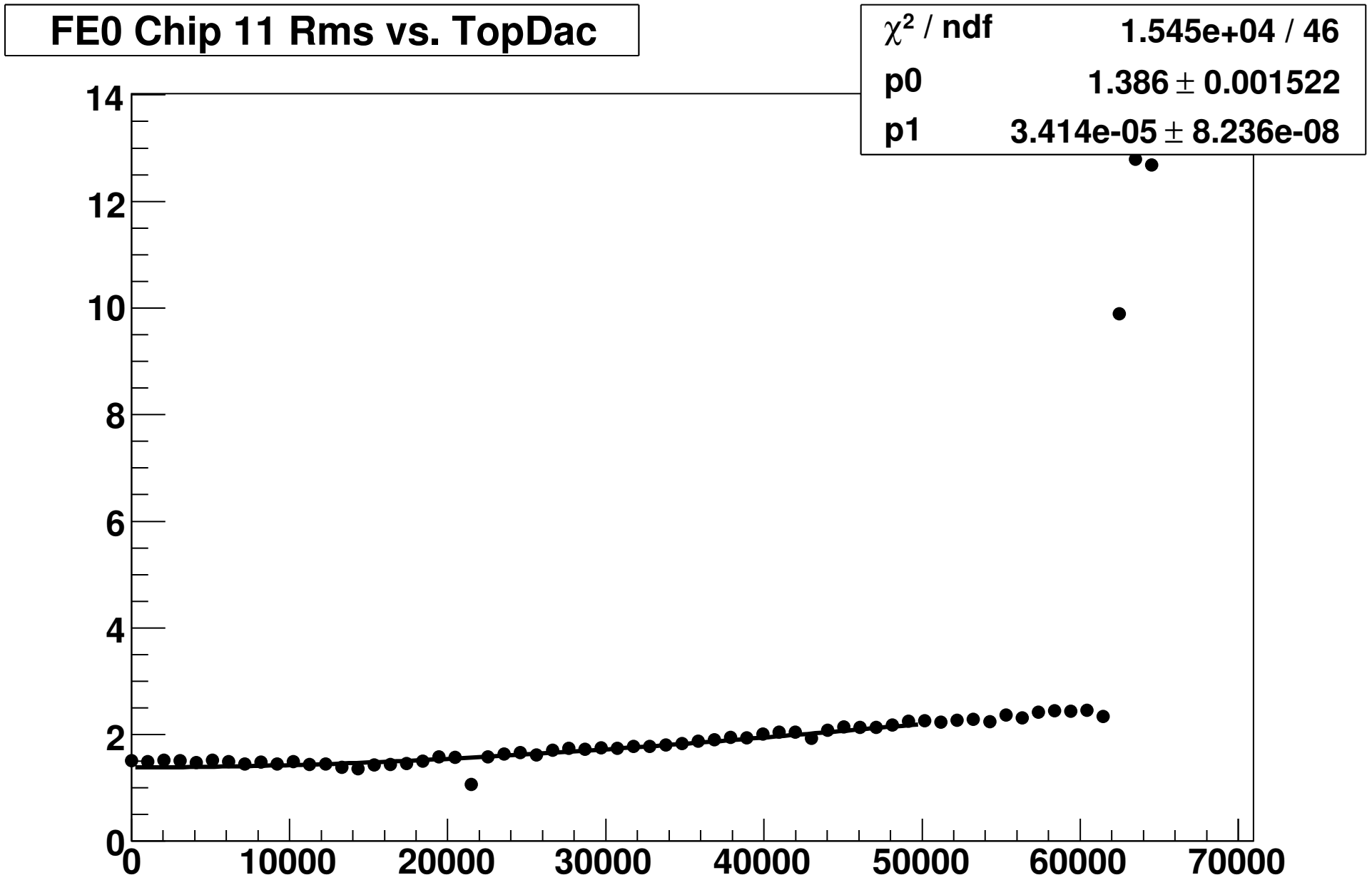
50000
60000
70000

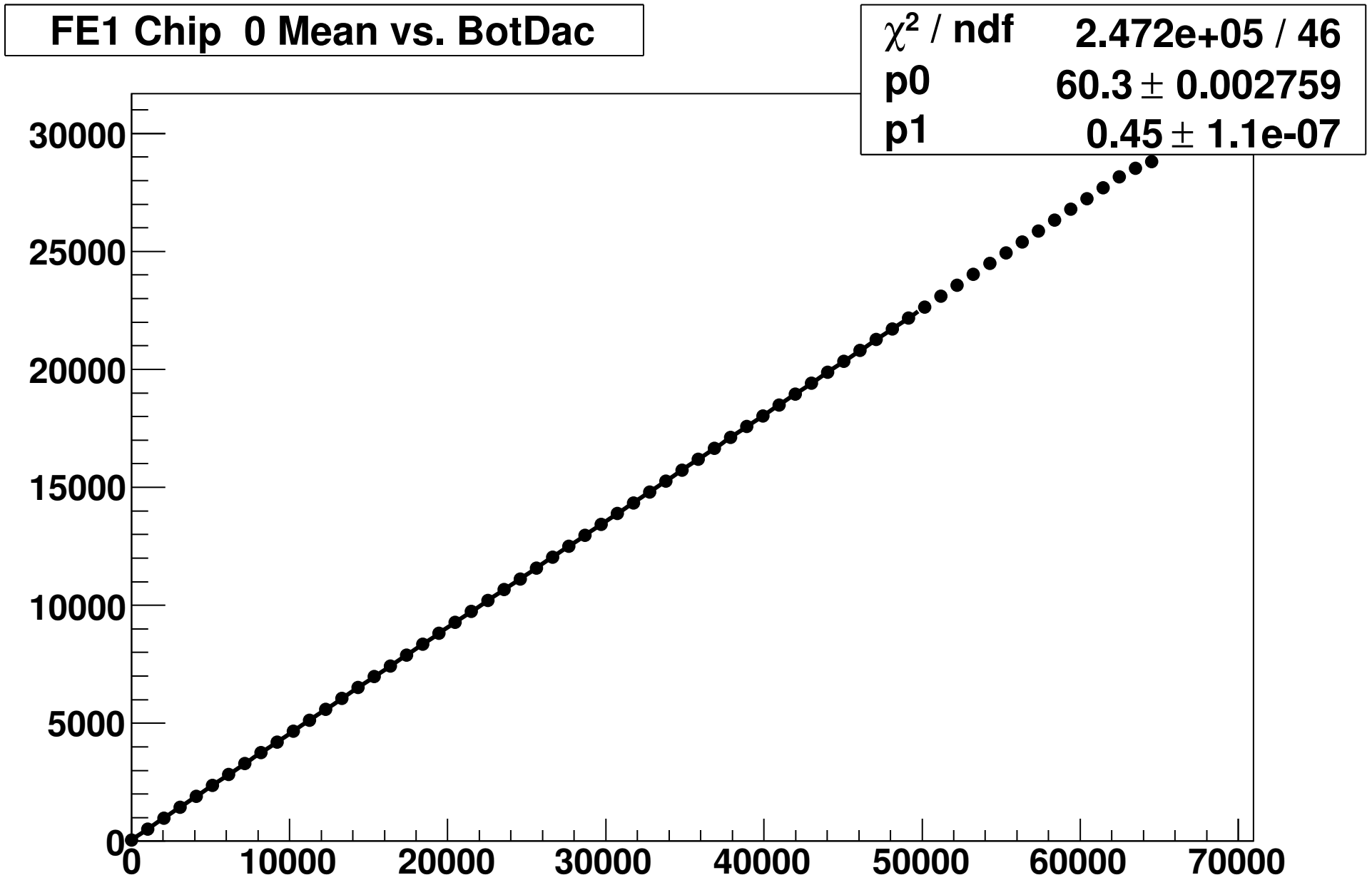

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 2525 / 46
p0 1.397 ± 0.001522
p1 3.408e-05 ± 8.275e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

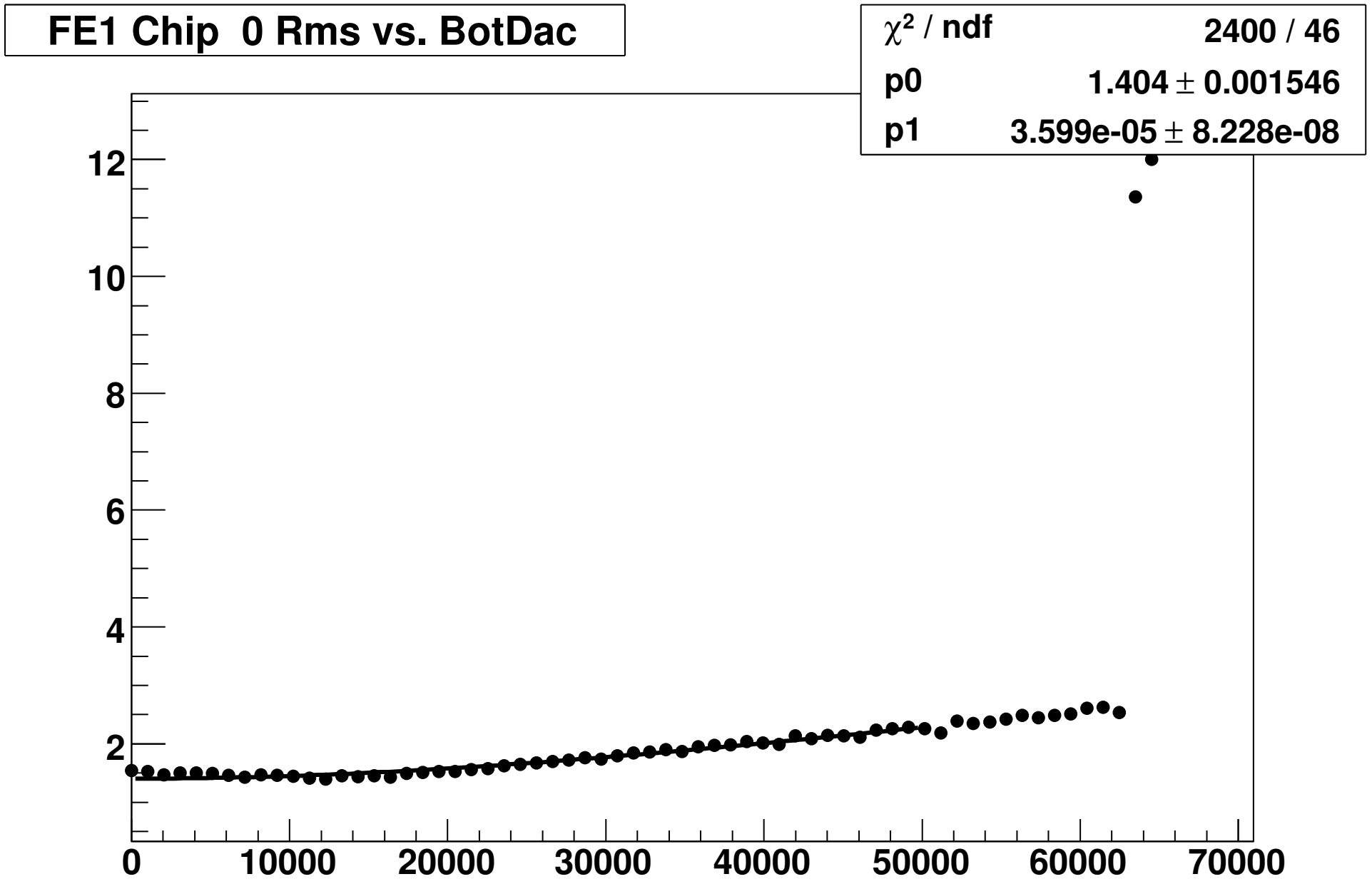

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 1.103e+05 / 46
p0 3.345 ± 0.002714
p1 -2.93e-05 ± 9.411e-08
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

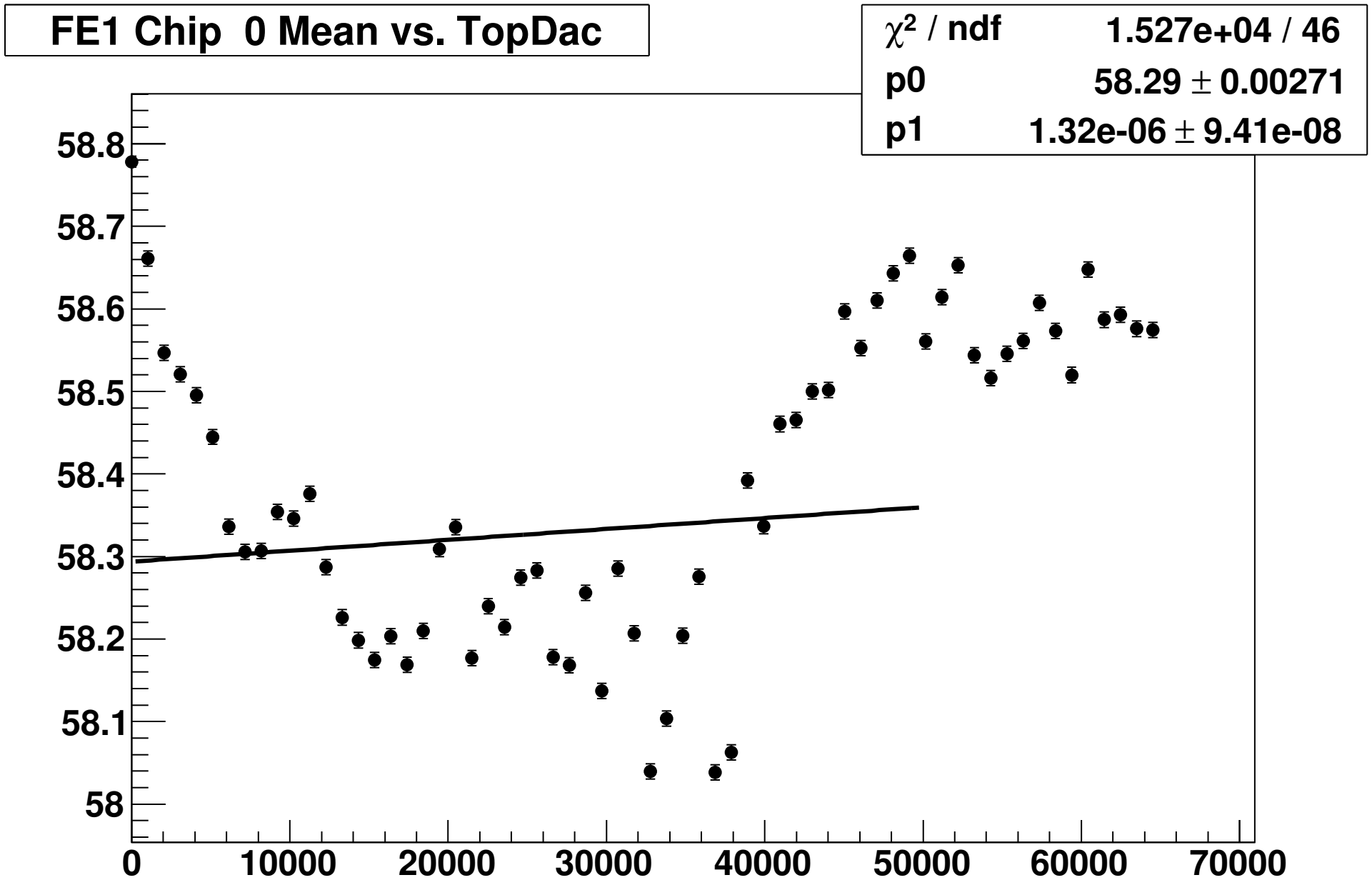

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 37.93 / 46
p0 1.521 ± 0.0009442
p1 2.184e-14 ± 1.305e-06
1.54
1.535
1.53
1.525
1.52
1.515
1.51
1.505
1.5
0
10000
20000
30000
40000
50000
60000
70000

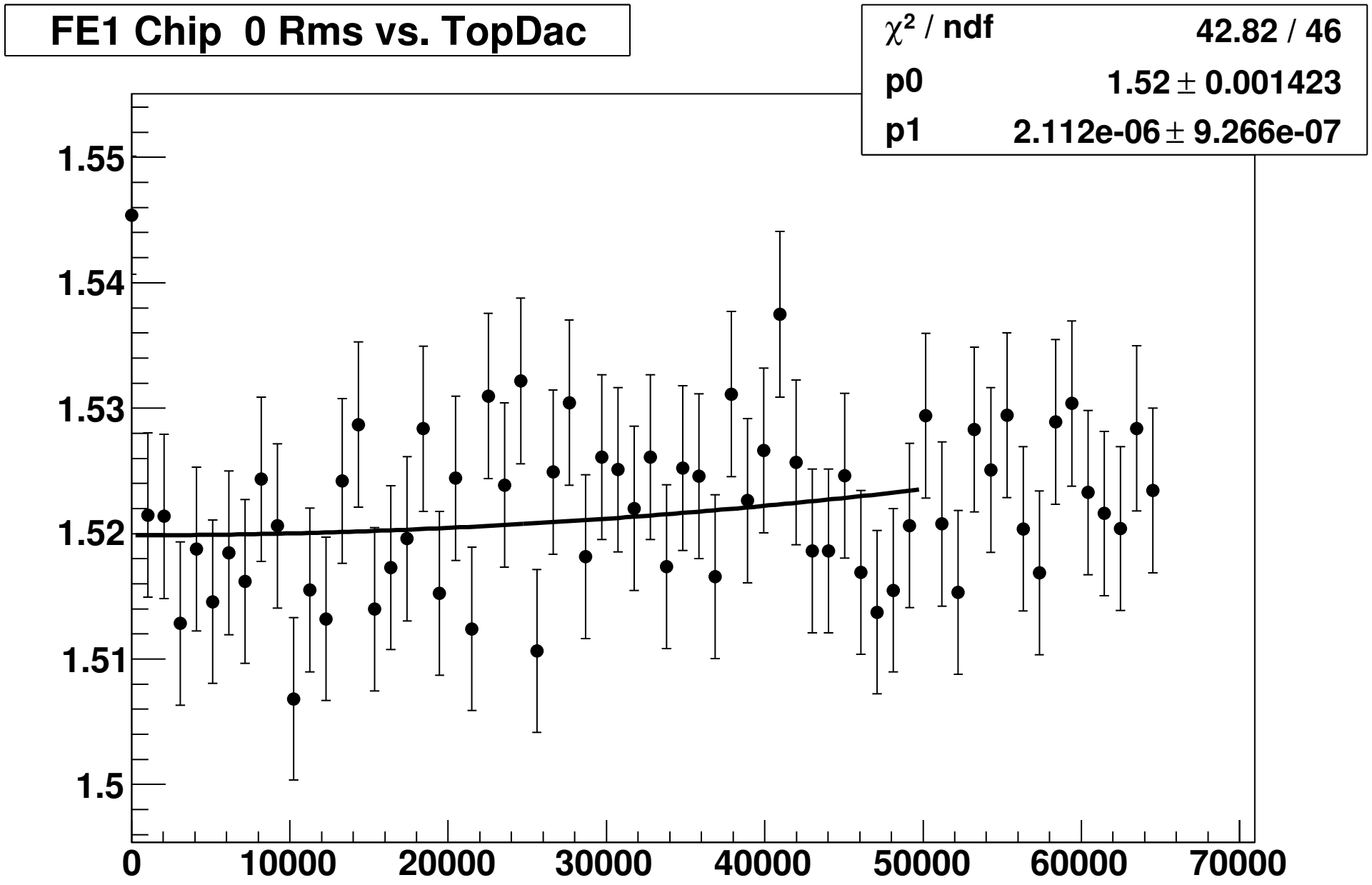

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 6.363e+05 / 46
p0 2.822 ± 0.002751
p1 0.4523 ± 1.088e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

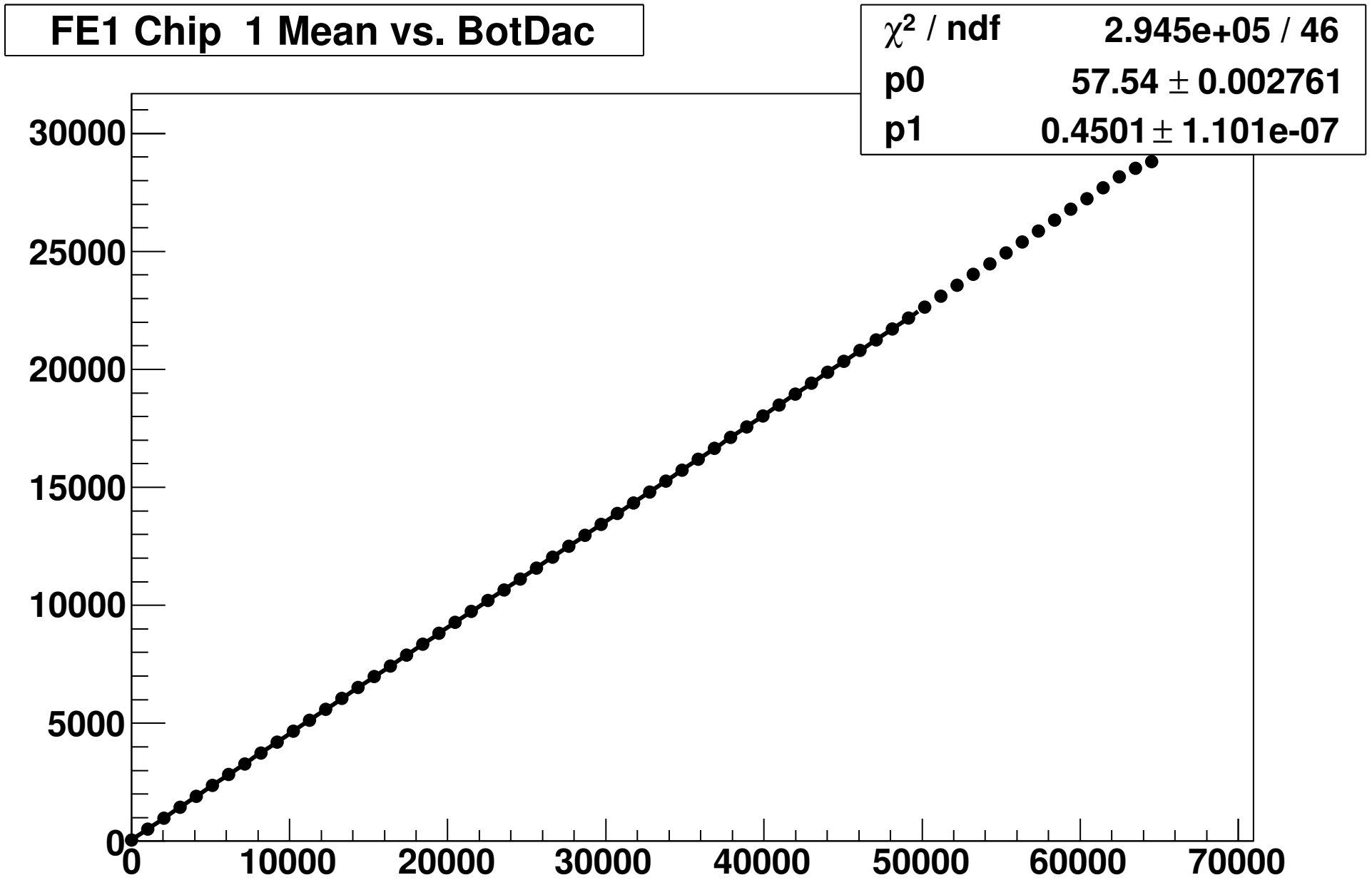

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1.545e+04 / 46
p0 1.386 ± 0.001522
p1 3.414e-05 ± 8.236e-08
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

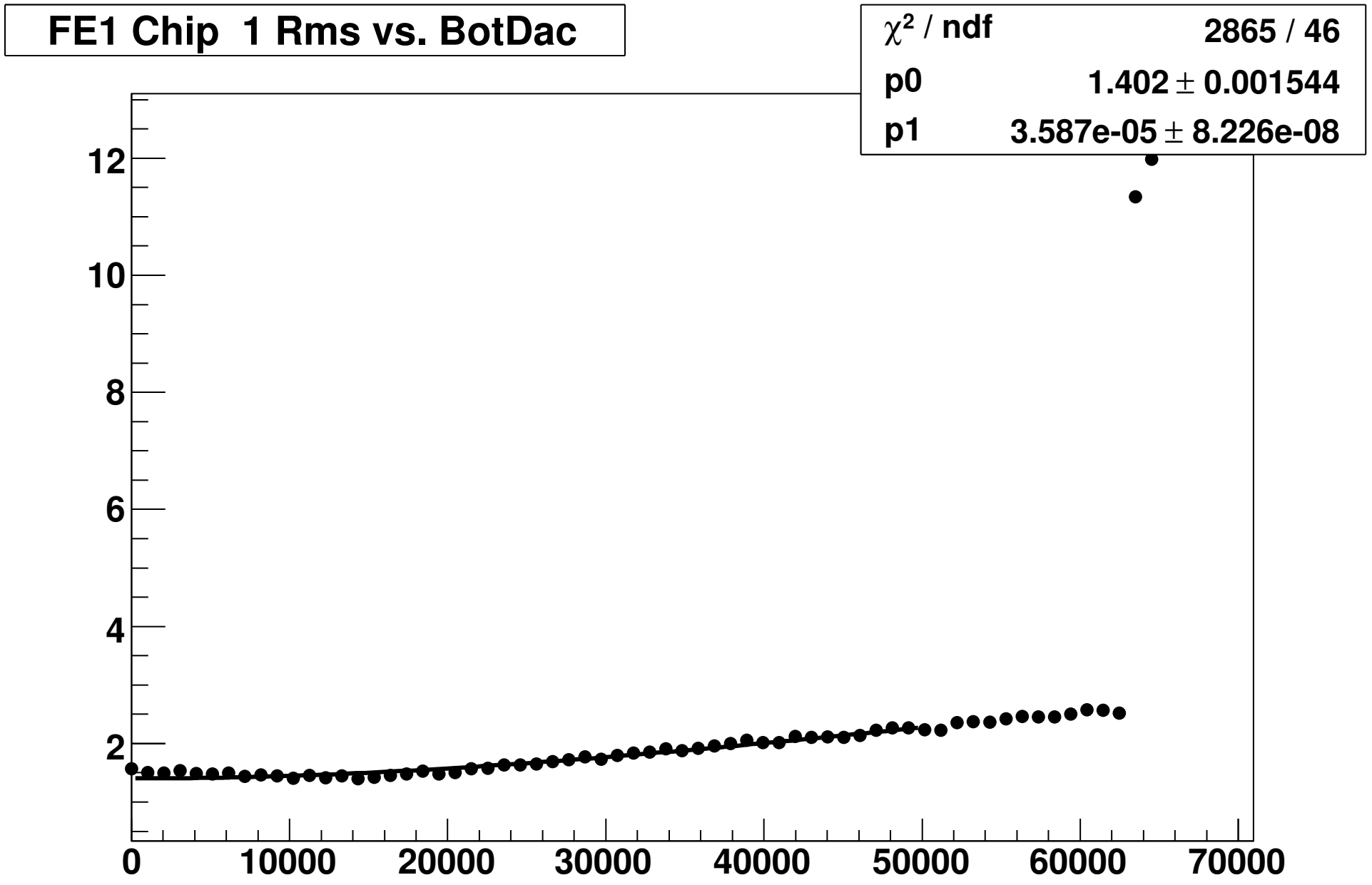

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 2.472e+05 / 46
p0 60.3 ± 0.002759
p1 0.45 ± 1.1e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

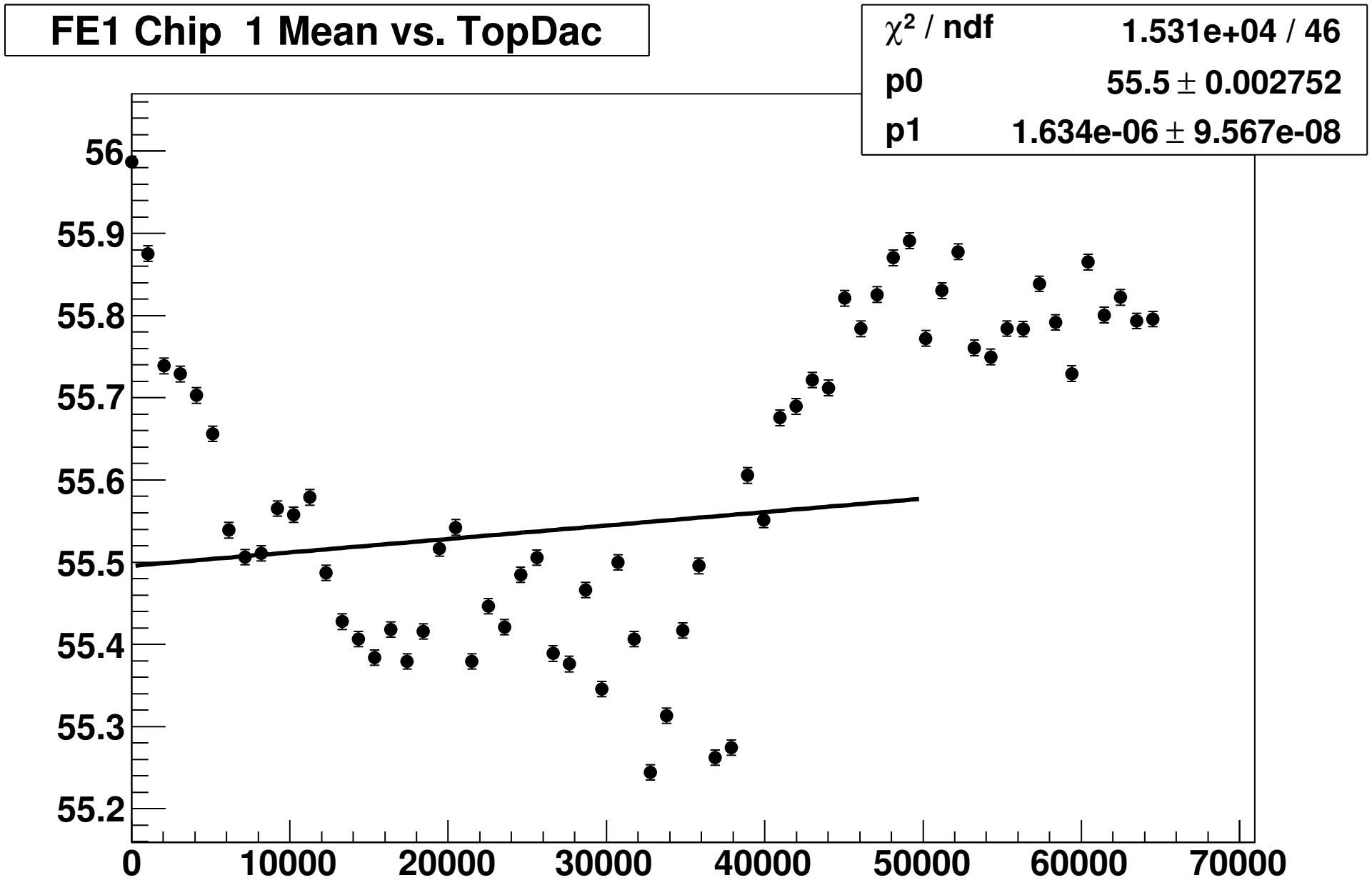

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 2400 / 46
p0 1.404 ± 0.001546
p1 3.599e-05 ± 8.228e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

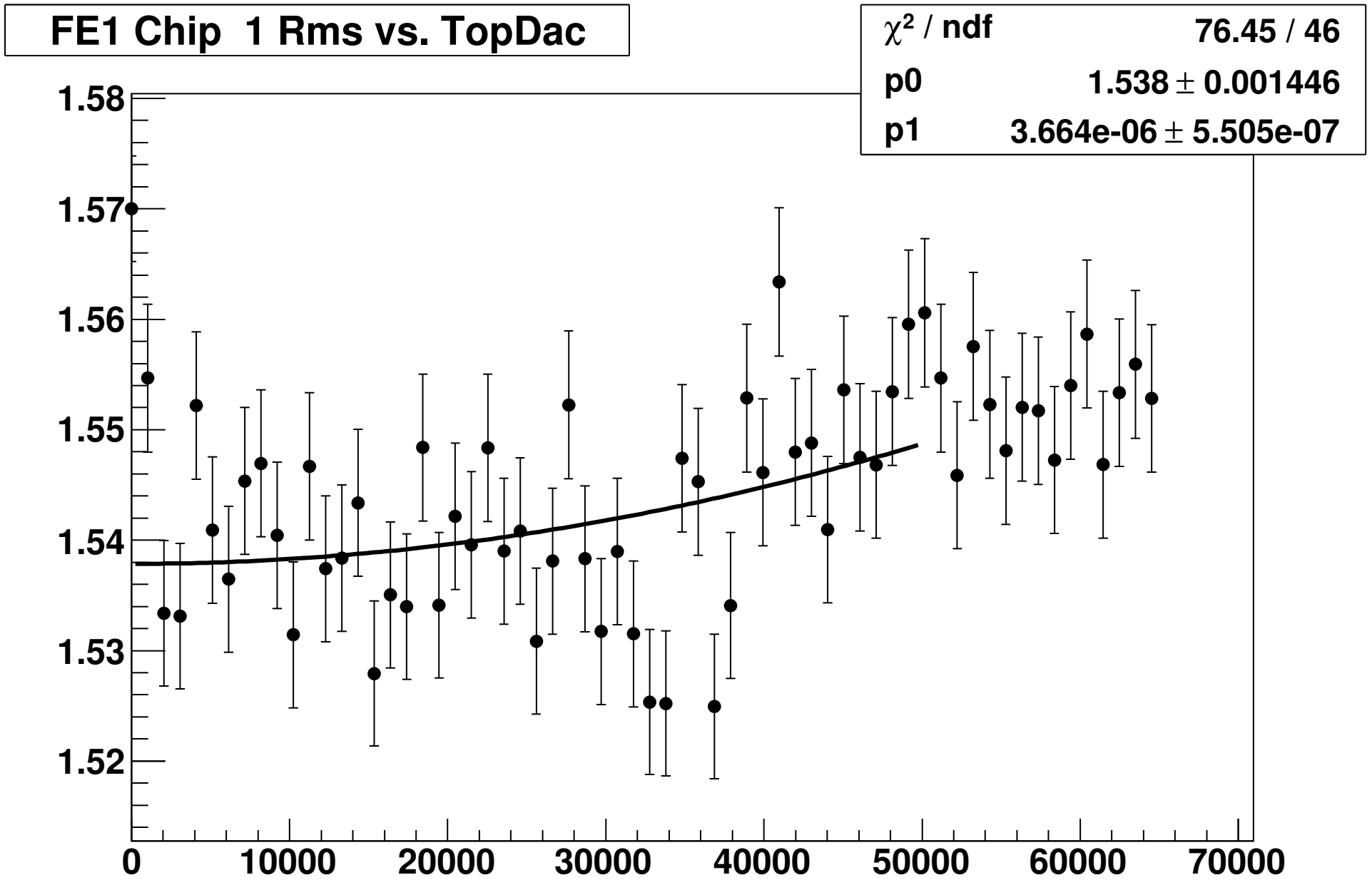

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 1.527e+04 / 46
p0 58.29 ± 0.00271
p1 1.32e-06 ± 9.41e-08
58.8
58.7
58.6
58.5
58.4
58.3
58.2
58.1
58
0
10000
20000
30000
40000
50000
60000
70000

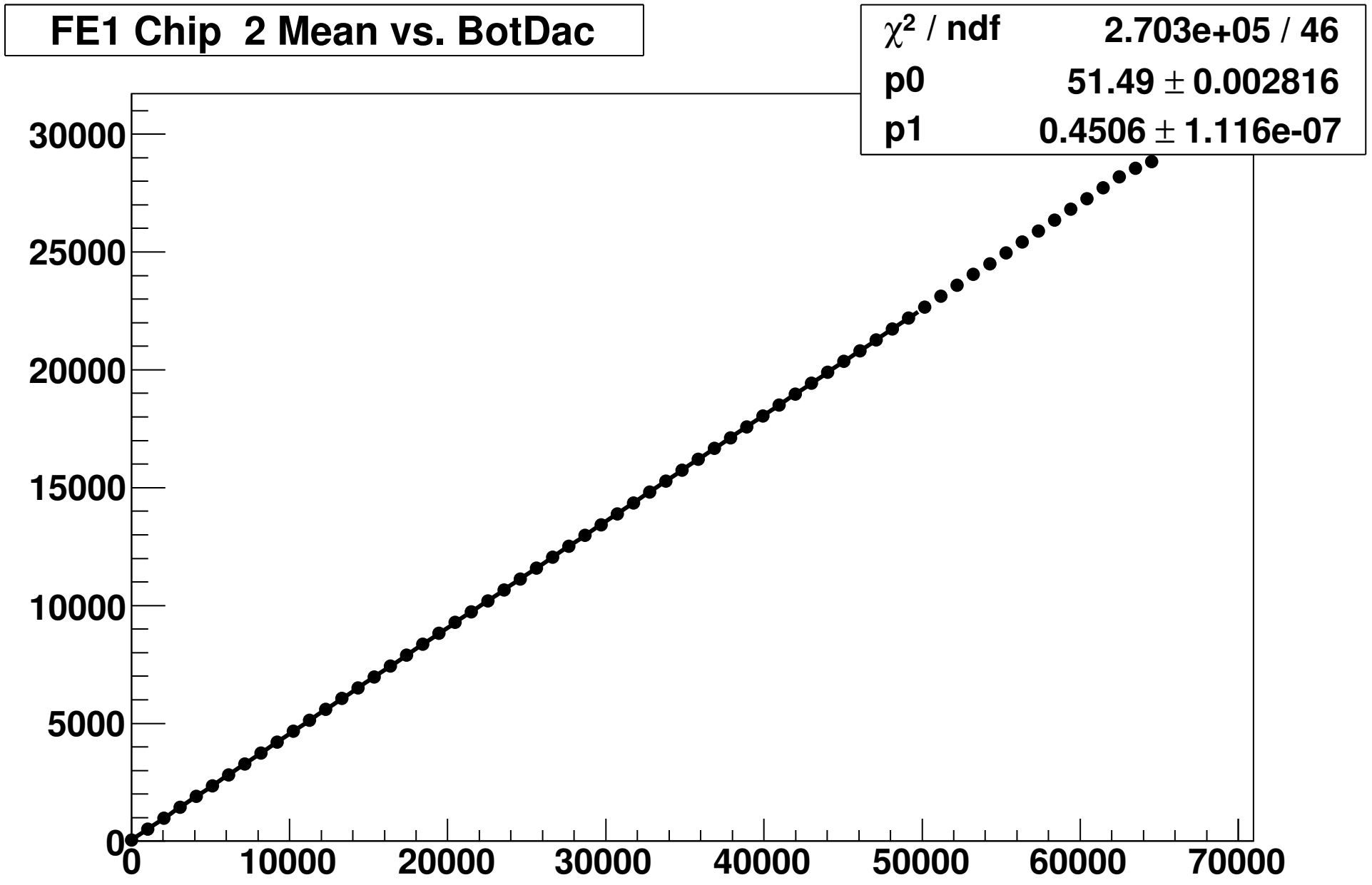

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 42.82 / 46
p0 1.52 ± 0.001423
p1 2.112e-06 ± 9.266e-07
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

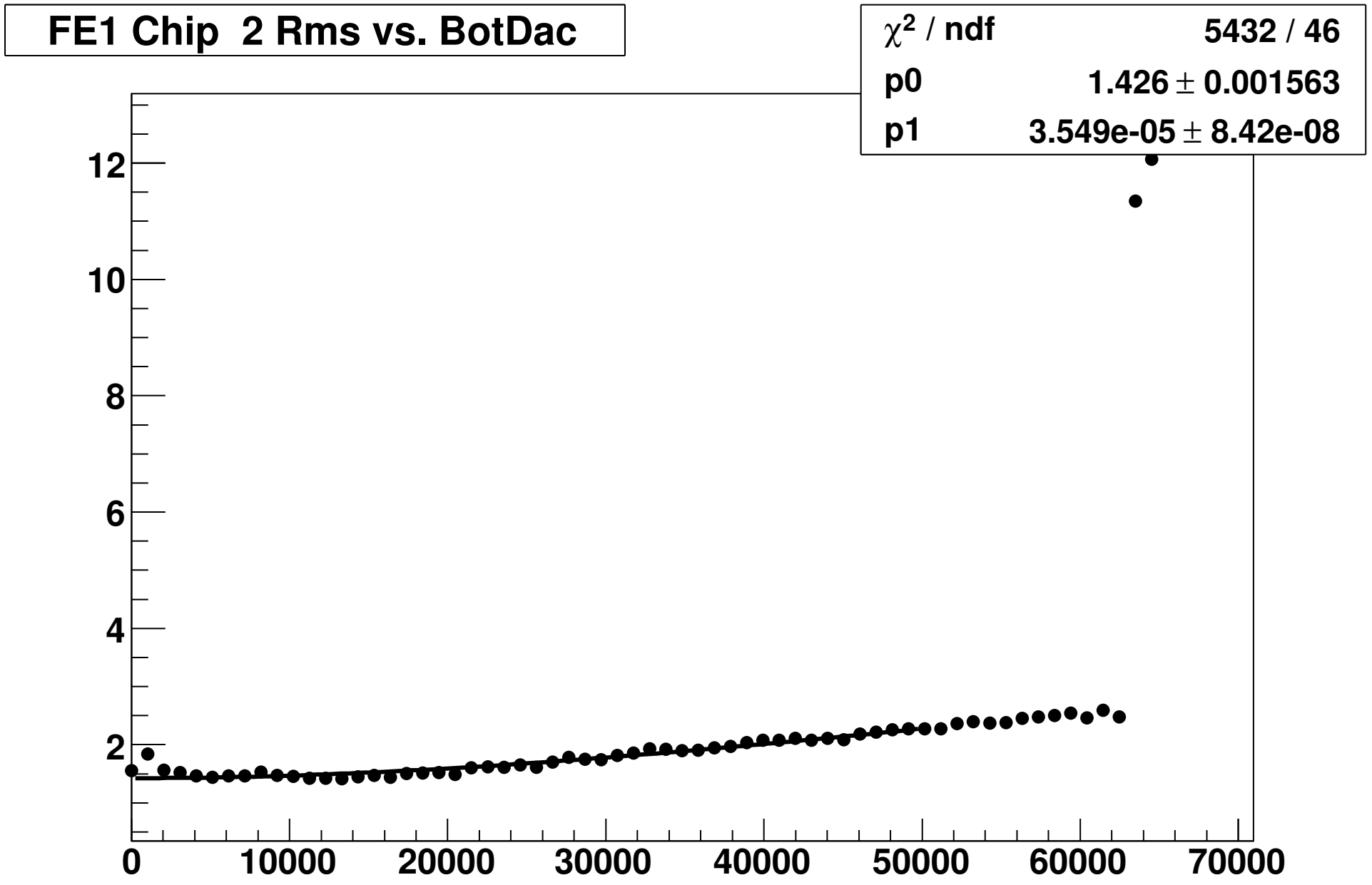

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 2.945e+05 / 46
p0 57.54 ± 0.002761
p1 0.4501 ± 1.101e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

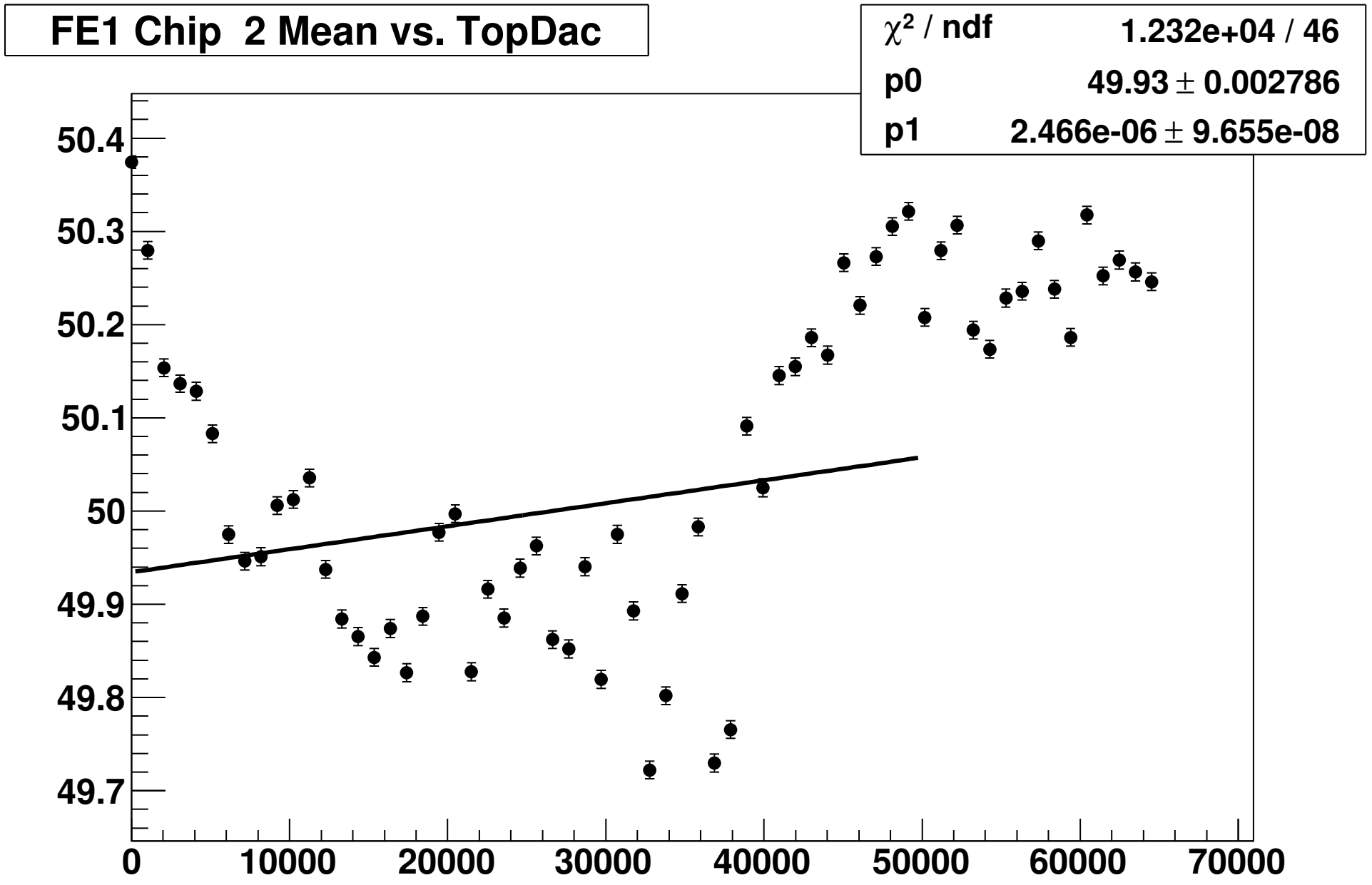

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 2865 / 46
p0 1.402 ± 0.001544
p1 3.587e-05 ± 8.226e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

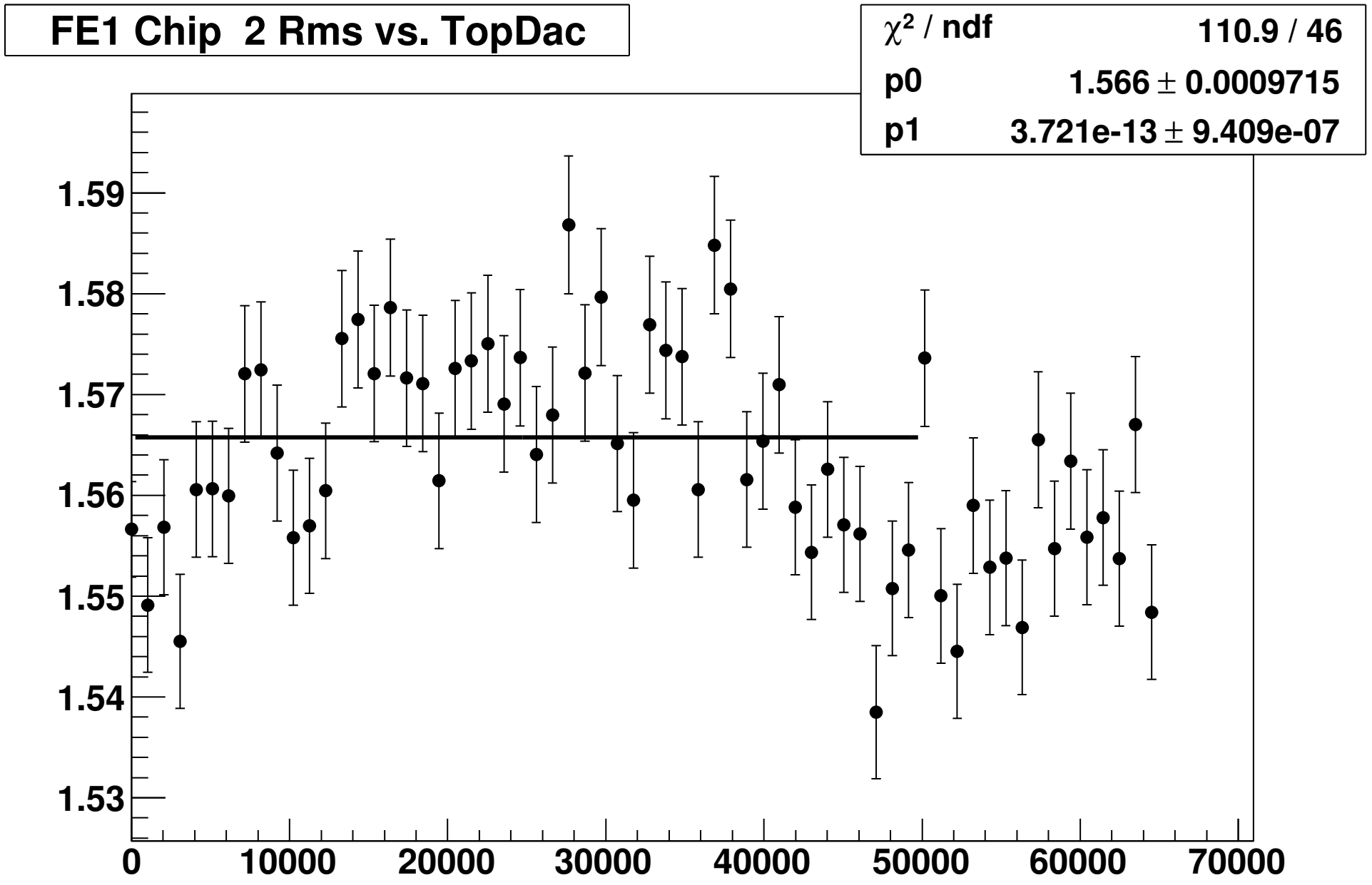

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 1.531e+04 / 46
p0 55.5 ± 0.002752
p1 1.634e-06 ± 9.567e-08
56
55.9
55.8
55.7
55.6
55.5
55.4
55.3
55.2
0
10000
20000
30000
40000
50000
60000
70000

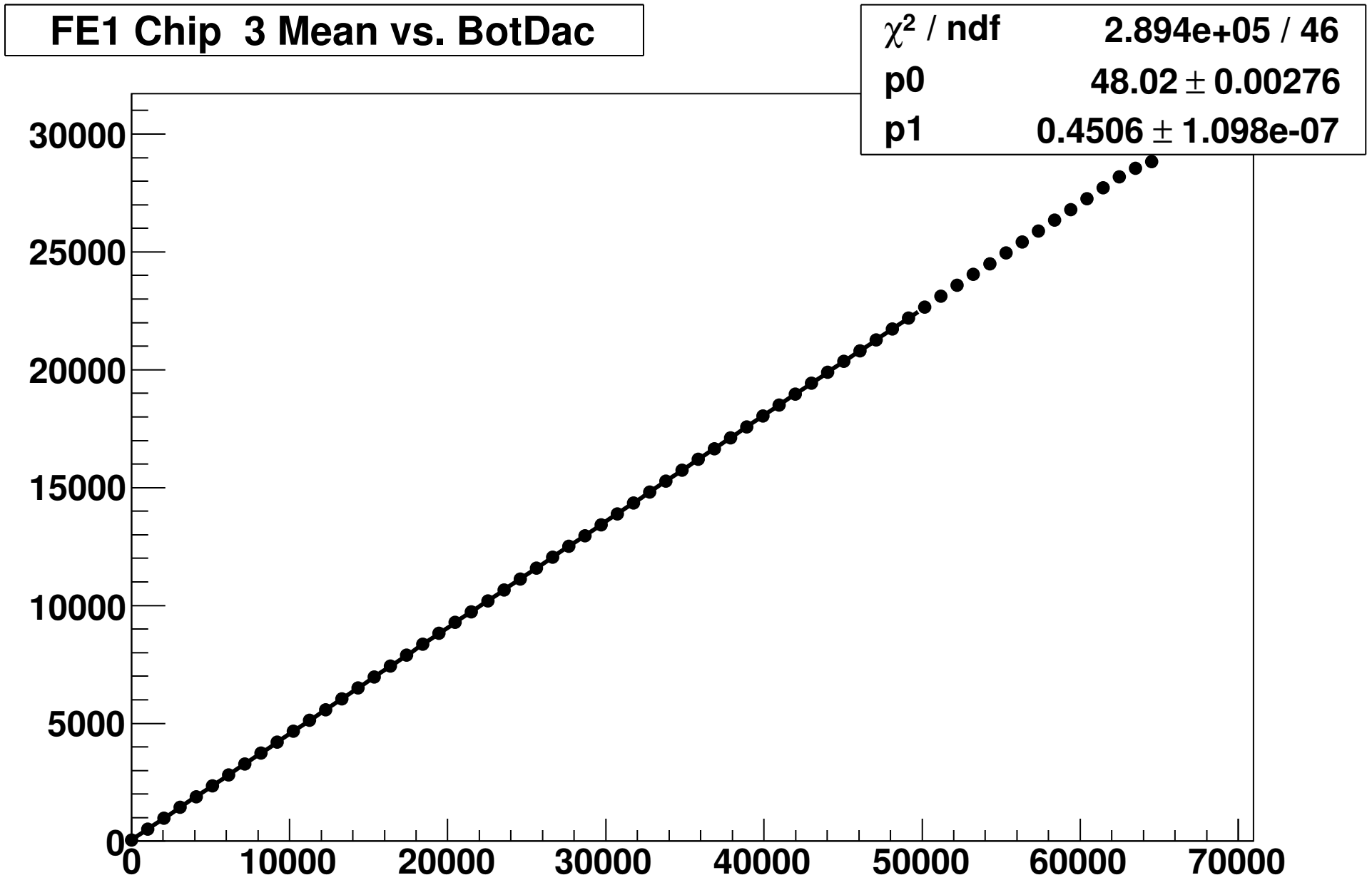

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 76.45 / 46
p0 1.538 ± 0.001446
p1 3.664e-06 ± 5.505e-07
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

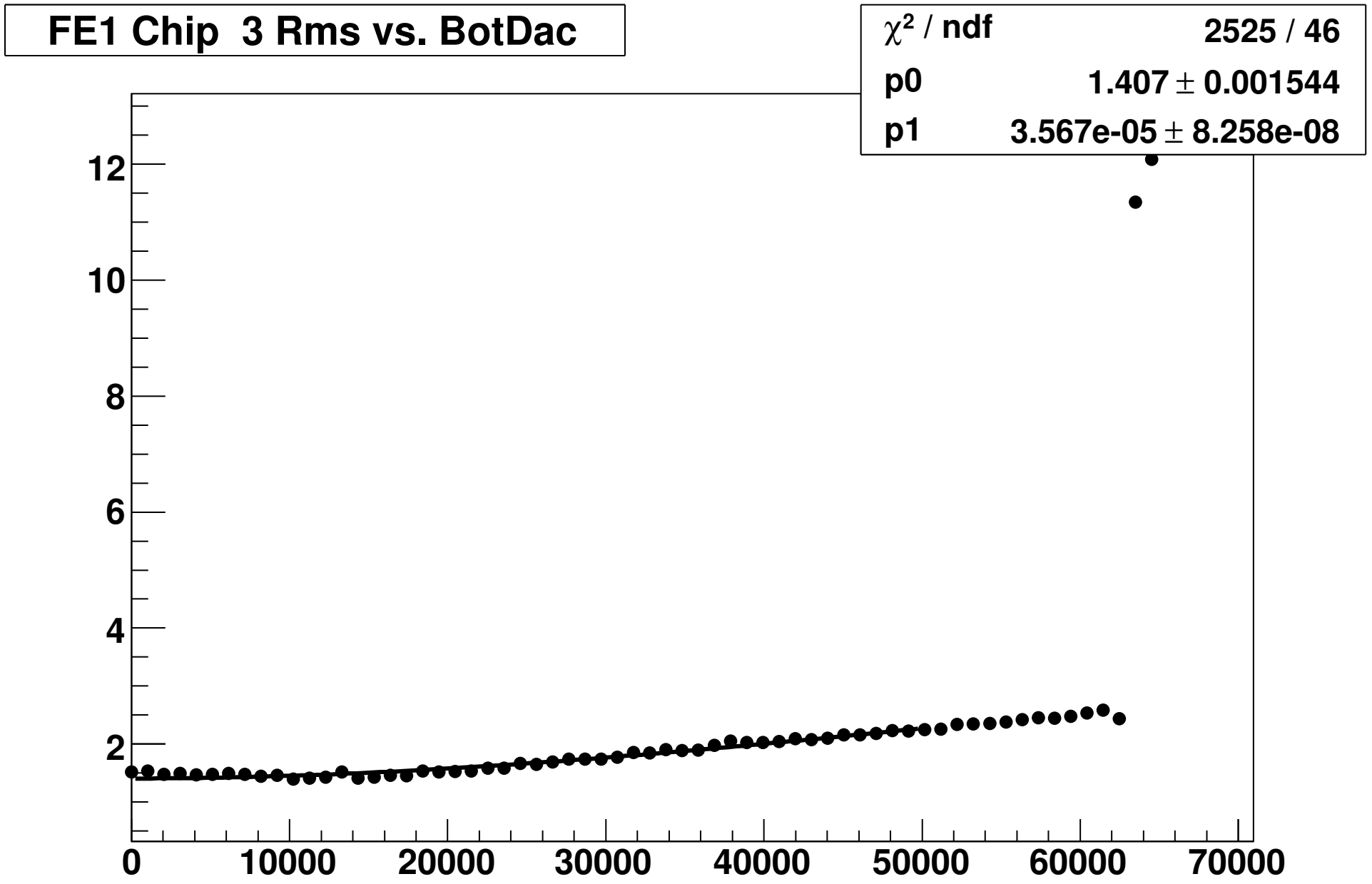

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 2.703e+05 / 46
p0 51.49 ± 0.002816
p1 0.4506 ± 1.116e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

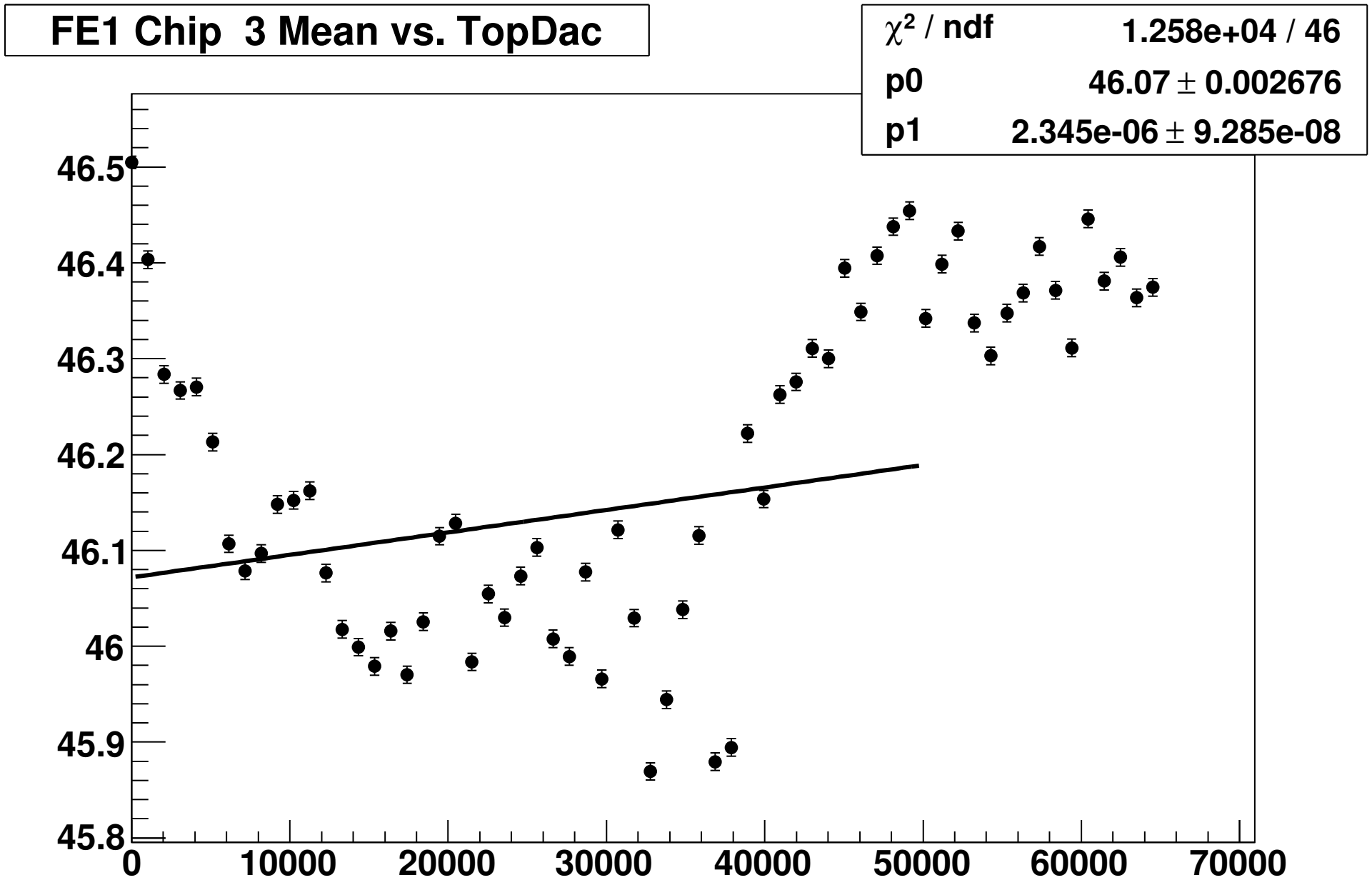

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 5432 / 46
p0 1.426 ± 0.001563
p1 3.549e-05 ± 8.42e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

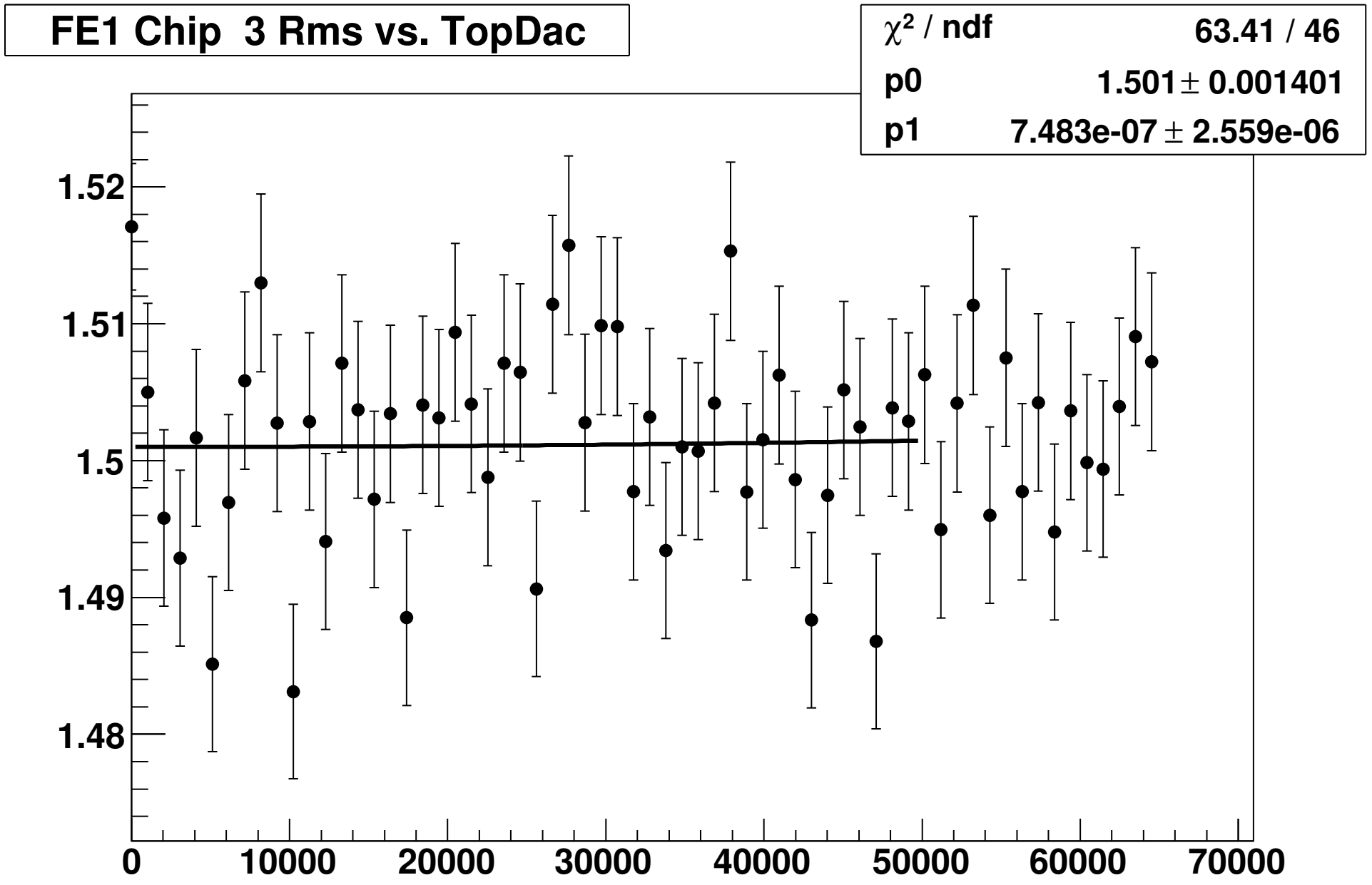

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 1.232e+04 / 46
p0 49.93 ± 0.002786
p1 2.466e-06 ± 9.655e-08
50.4
50.3
50.2
50.1
50
49.9
49.8
49.7
0
10000
20000
30000
40000
50000
60000
70000

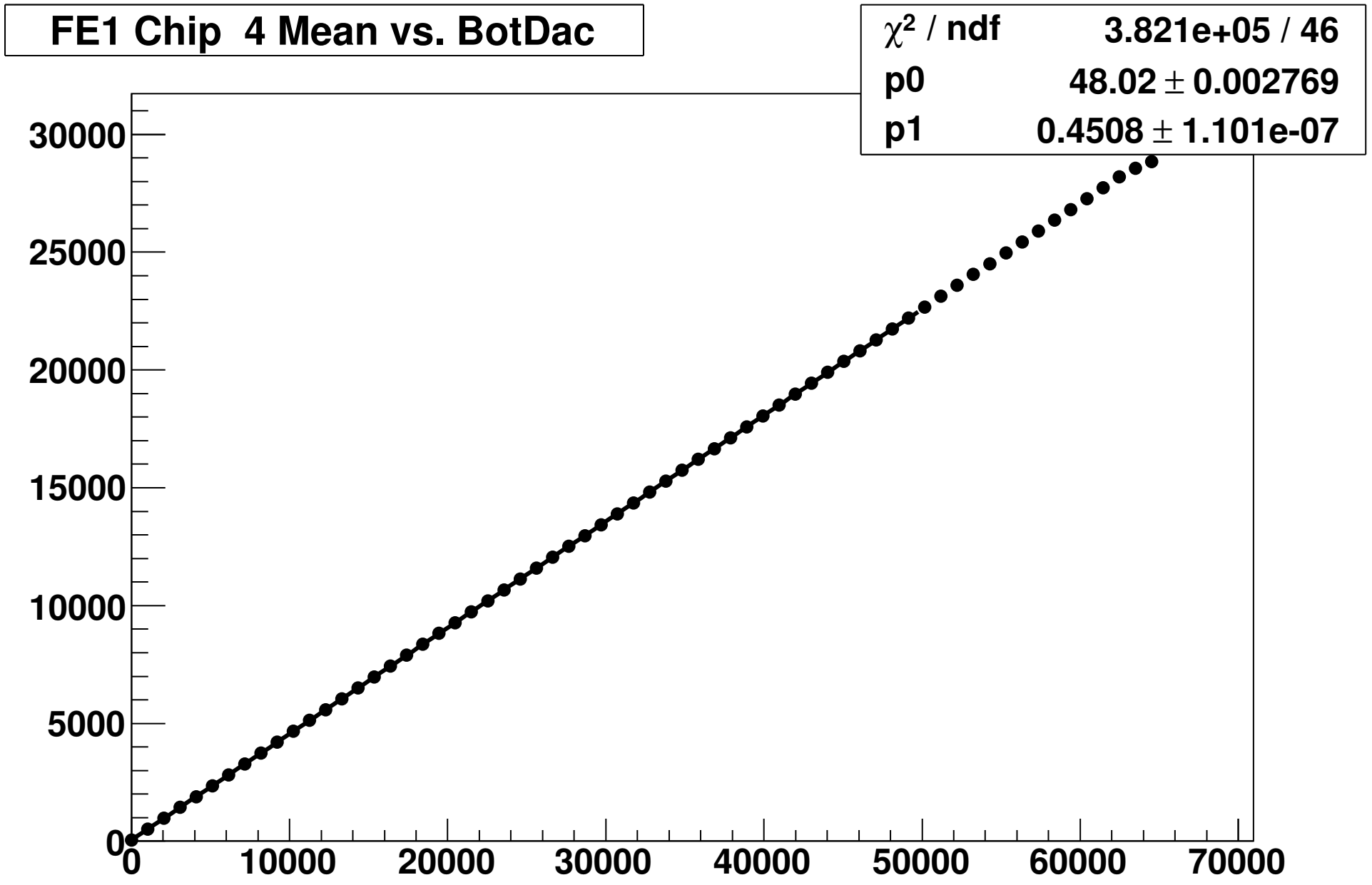

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 110.9 / 46
p0 1.566 ± 0.0009715
p1 3.721e-13 ± 9.409e-07
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

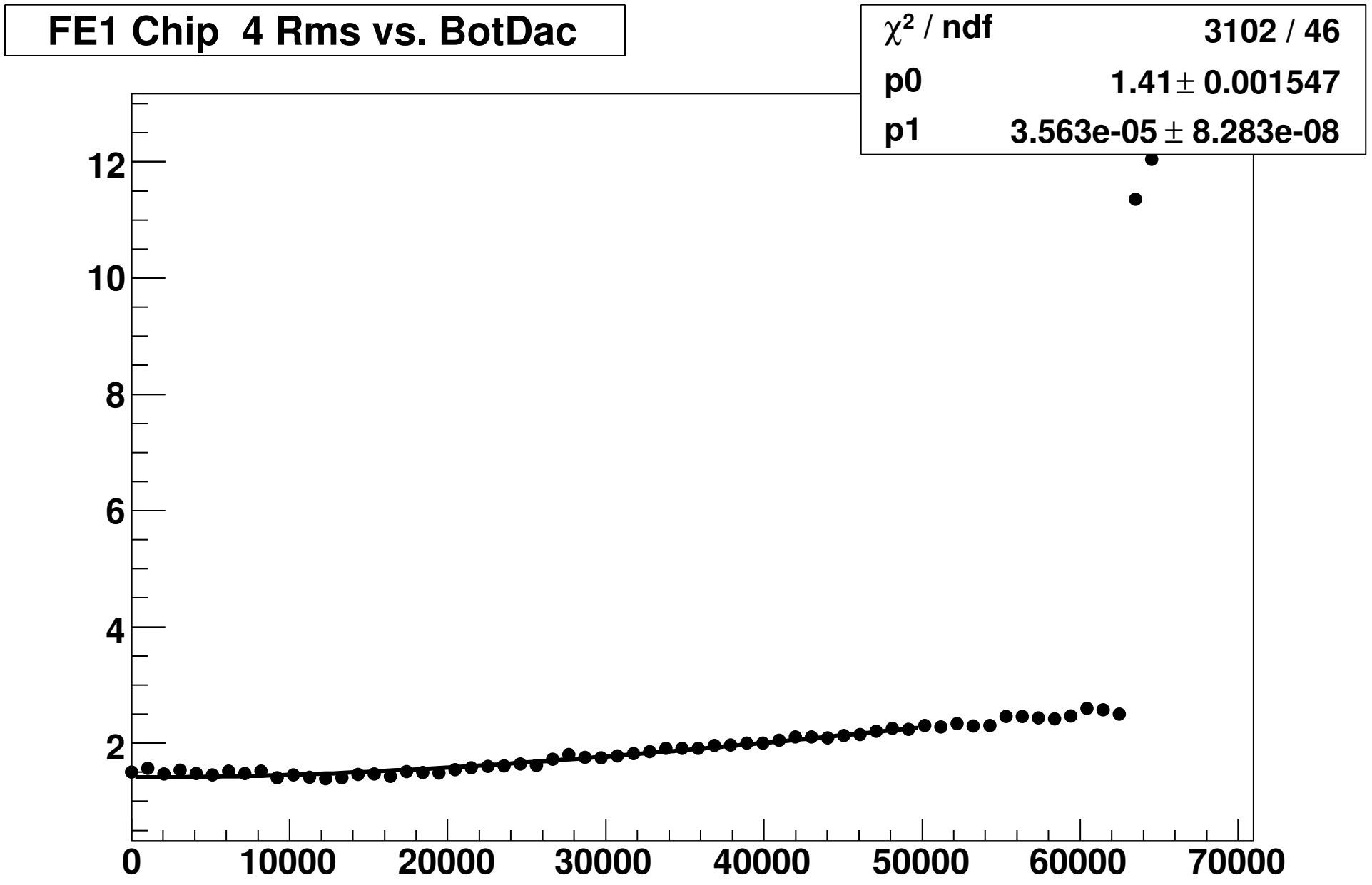

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 2.894e+05 / 46
p0 48.02 ± 0.00276
p1 0.4506 ± 1.098e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

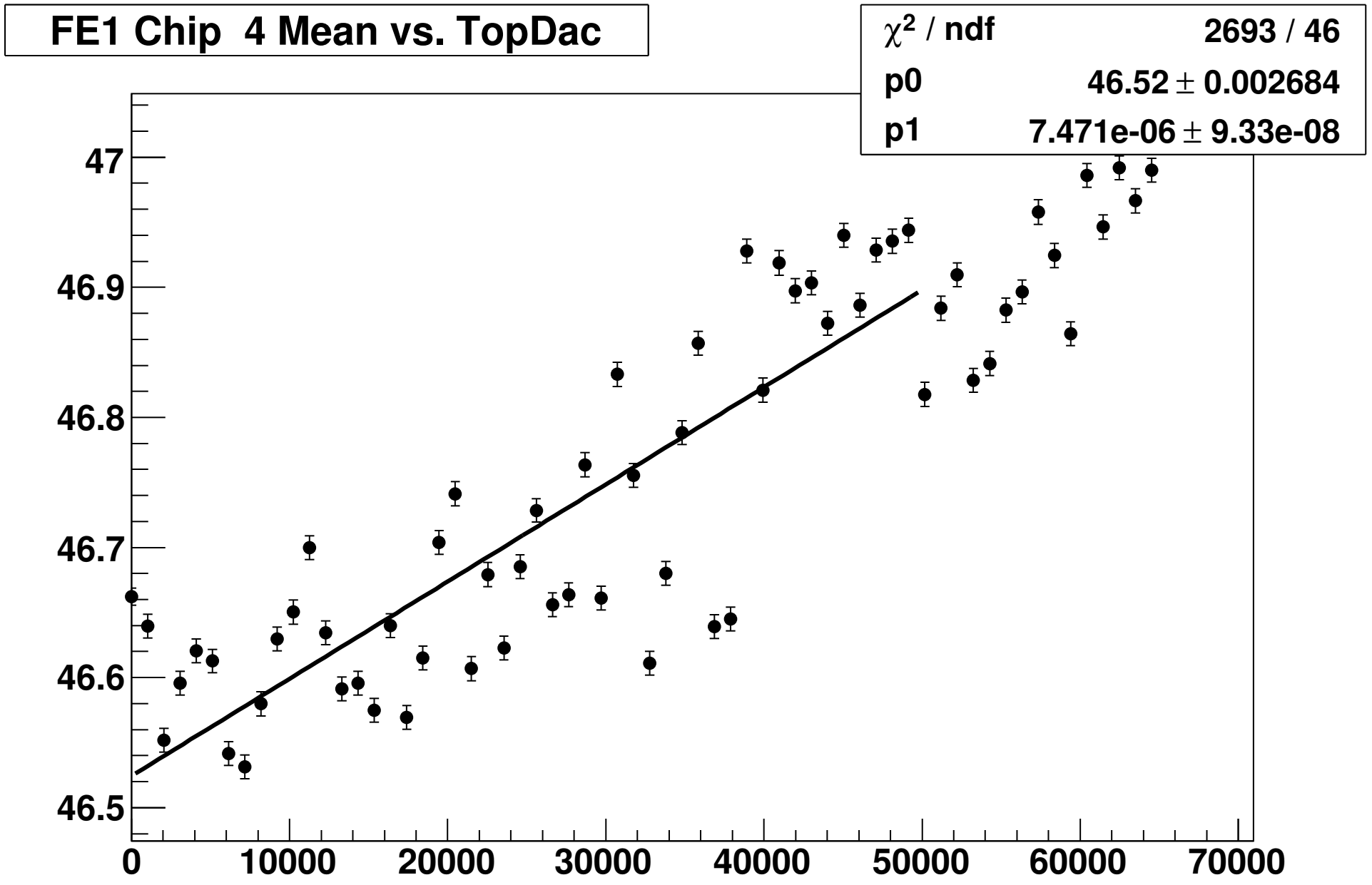

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 2525 / 46
p0 1.407 ± 0.001544
p1 3.567e-05 ± 8.258e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 1.258e+04 / 46
p0 46.07 ± 0.002676
p1 2.345e-06 ± 9.285e-08
46.5
46.4
46.3
46.2
46.1
46
45.9
45.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 63.41 / 46
p0 1.501 ± 0.001401
p1 7.483e-07 ± 2.559e-06
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 3.821e+05 / 46
p0 48.02 ± 0.002769
p1 0.4508 ± 1.101e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 3102 / 46
p0 1.41 ± 0.001547
p1 3.563e-05 ± 8.283e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 2693 / 46
p0 46.52 ± 0.002684
p1 7.471e-06 ± 9.33e-08
47
46.9
46.8
46.7
46.6
46.5
0
10000
20000
30000
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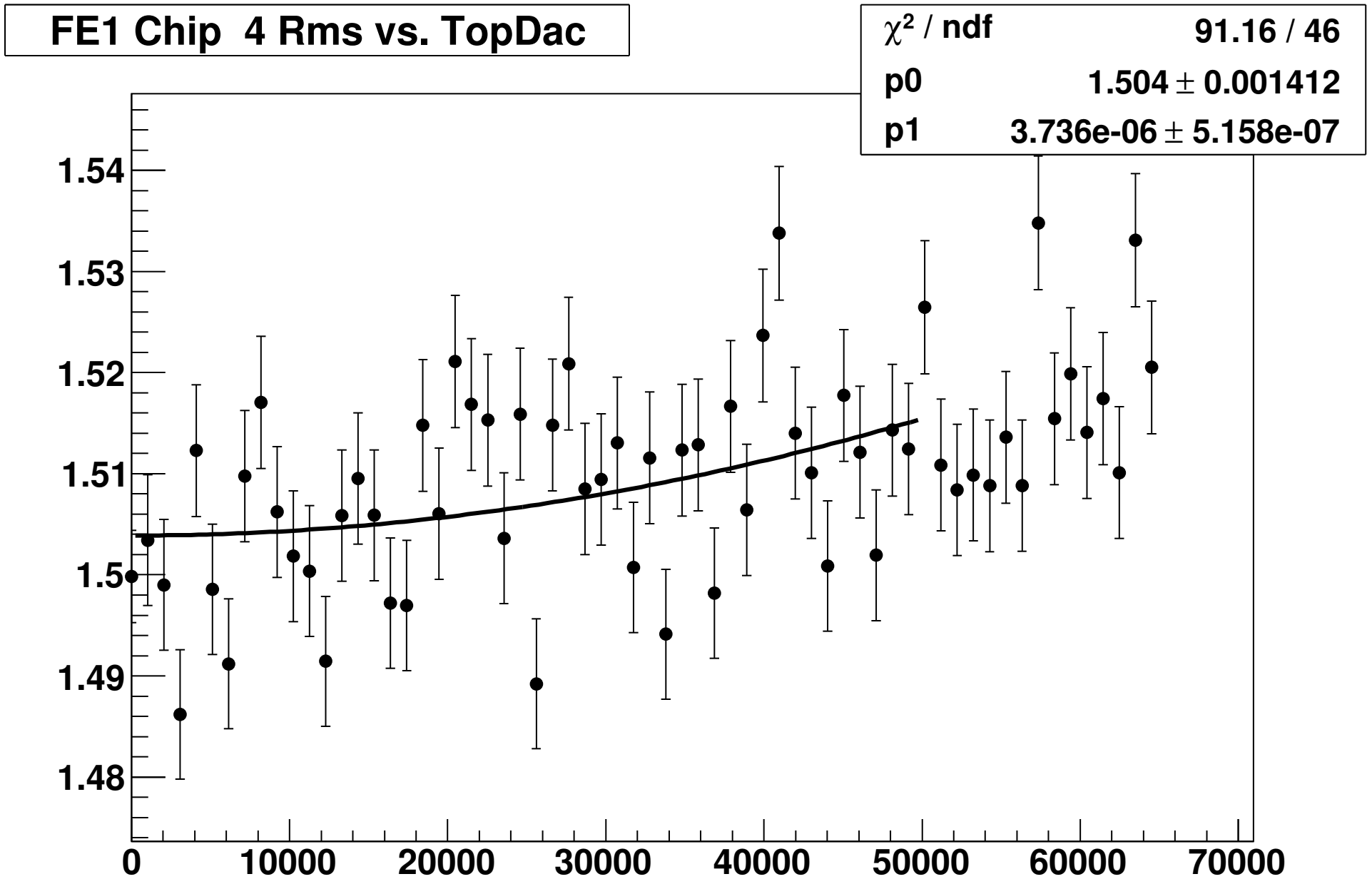
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 91.16 / 46
p0 1.504 ± 0.001412
p1 3.736e-06 ± 5.158e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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60000
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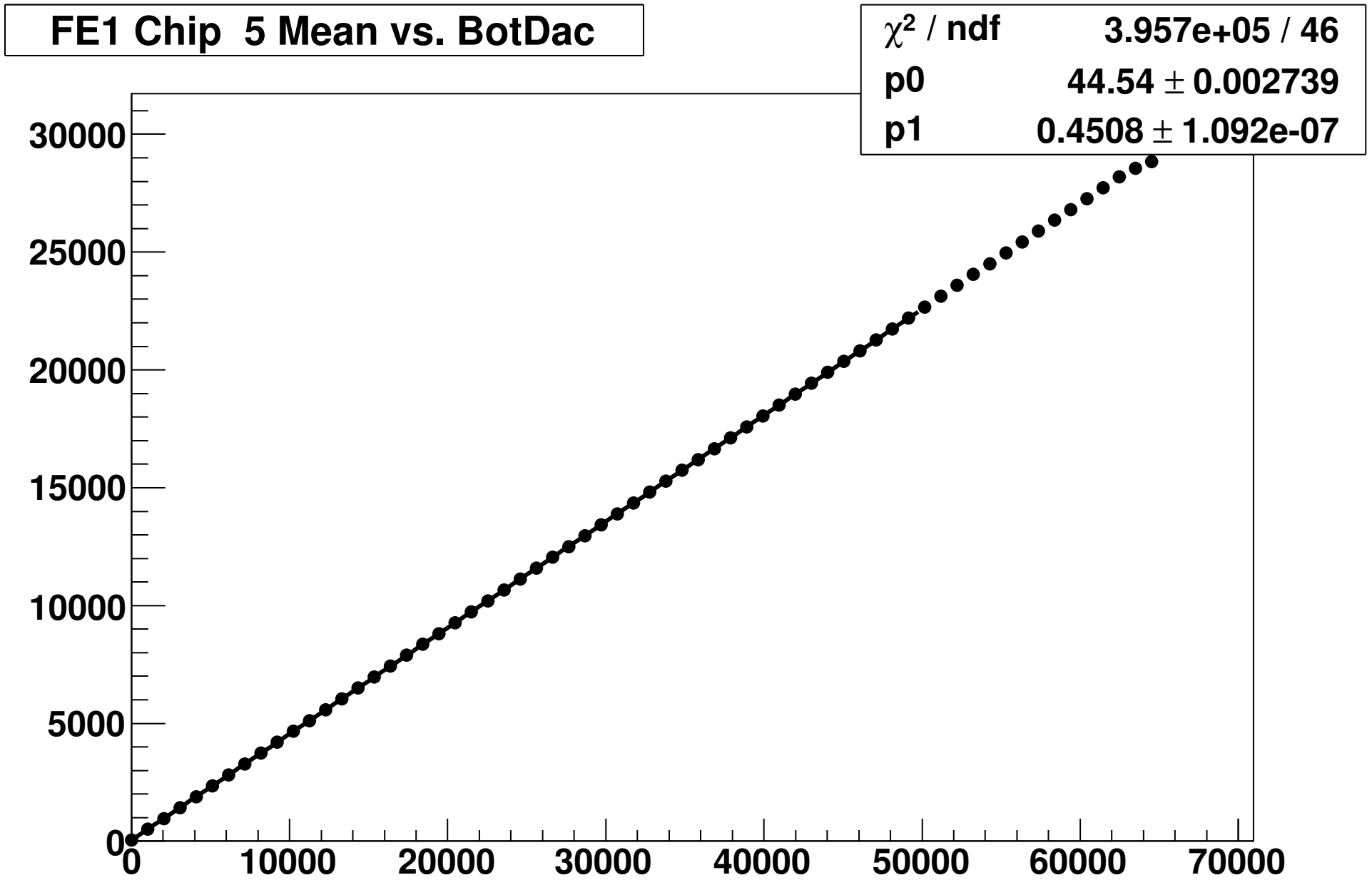
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 3.957e+05 / 46
p0 44.54 ± 0.002739
p1 0.4508 ± 1.092e-07
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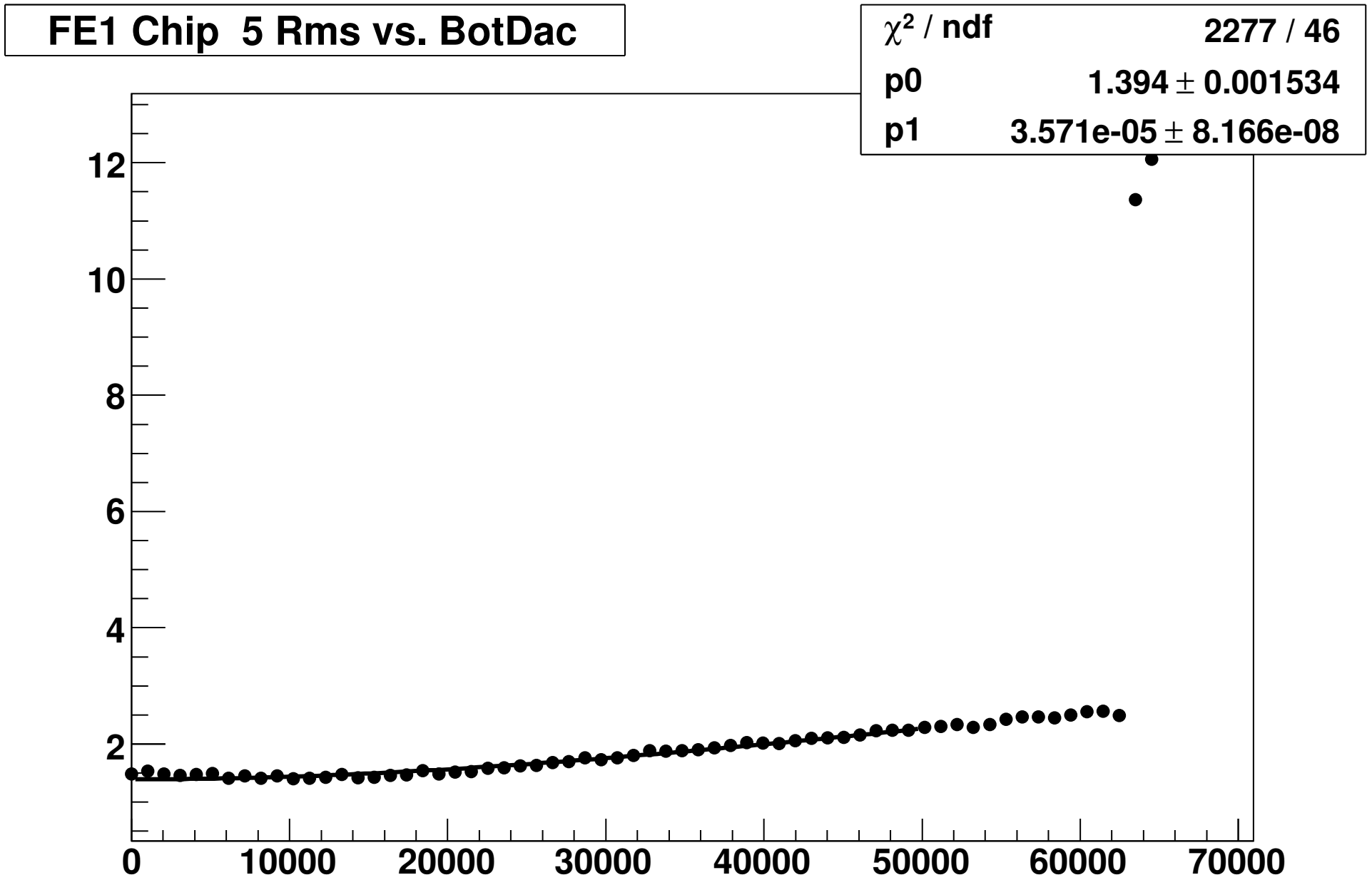
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 2277 / 46
p0 1.394 ± 0.001534
p1 3.571e-05 ± 8.166e-08
12
10
8
6
4
2
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10000
20000
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40000
50000
60000
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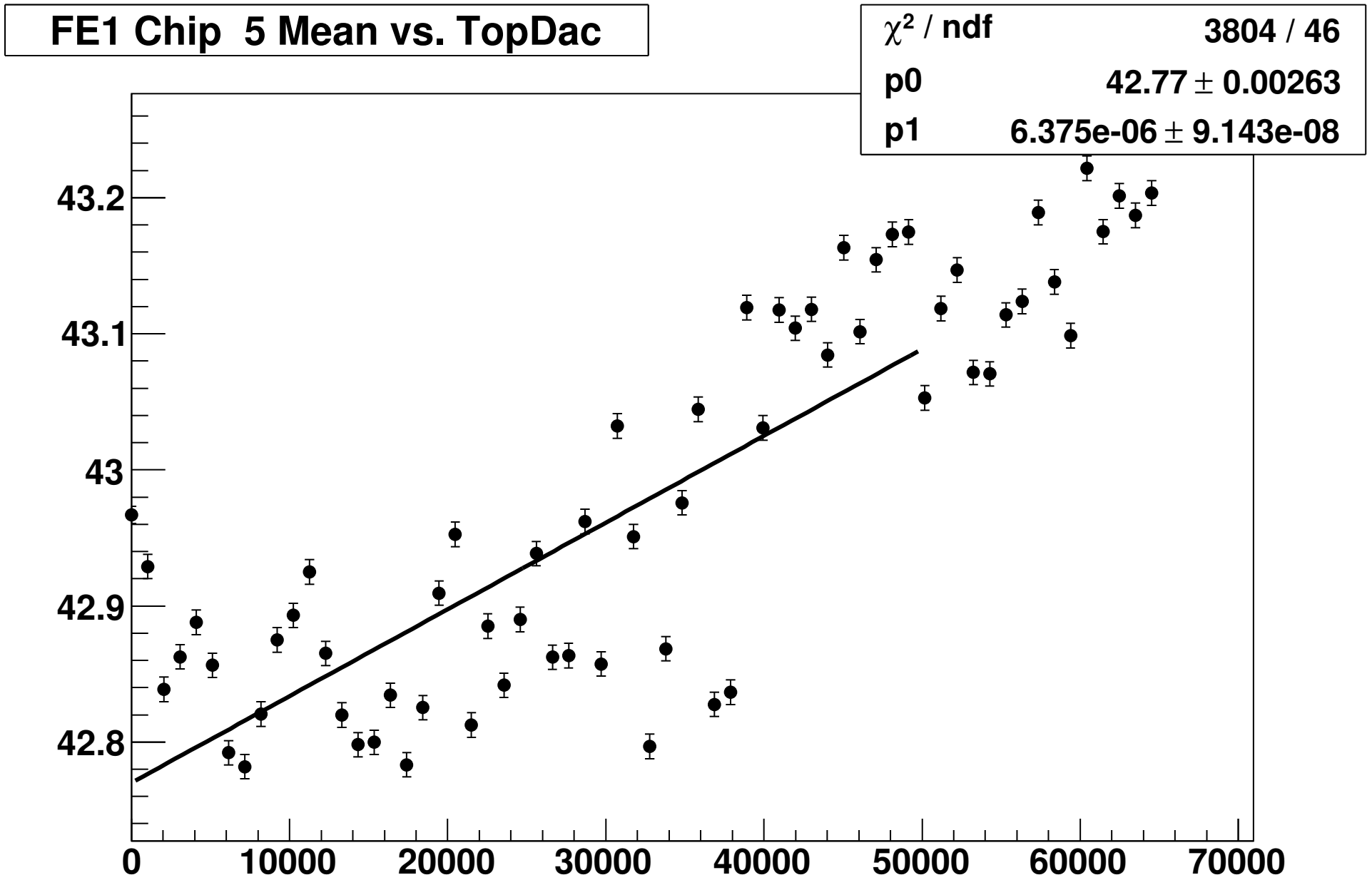
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 3804 / 46
p0 42.77 ± 0.00263
p1 6.375e-06 ± 9.143e-08
43.2
43.1
43
42.9
42.8
0
10000
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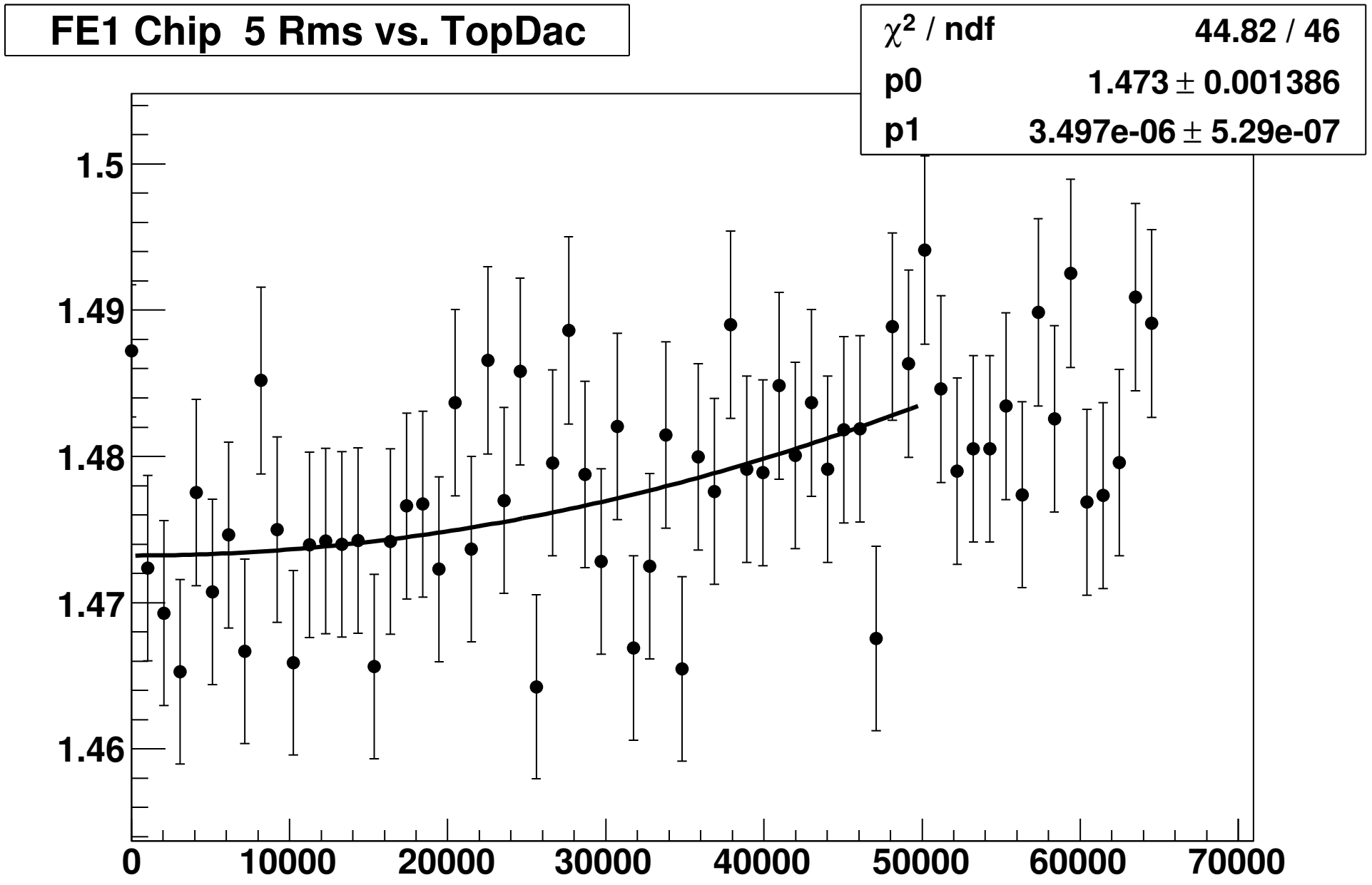
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 44.82 / 46
p0 1.473 ± 0.001386
p1 3.497e-06 ± 5.29e-07
1.5
1.49
1.48
1.47
1.46
0
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60000
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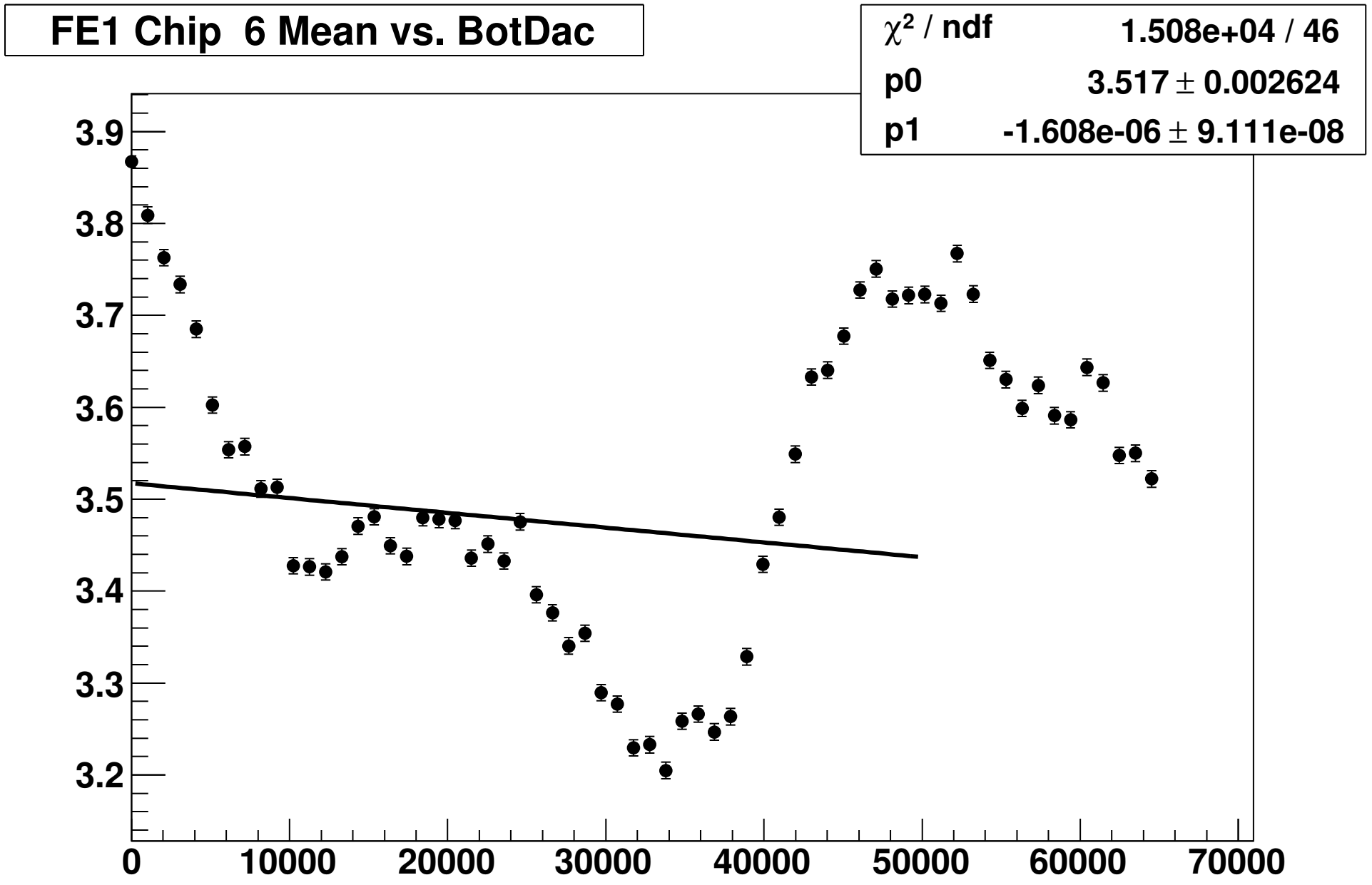
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1.508e+04 / 46
p0 3.517 ± 0.002624
p1 -1.608e-06 ± 9.111e-08
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
0
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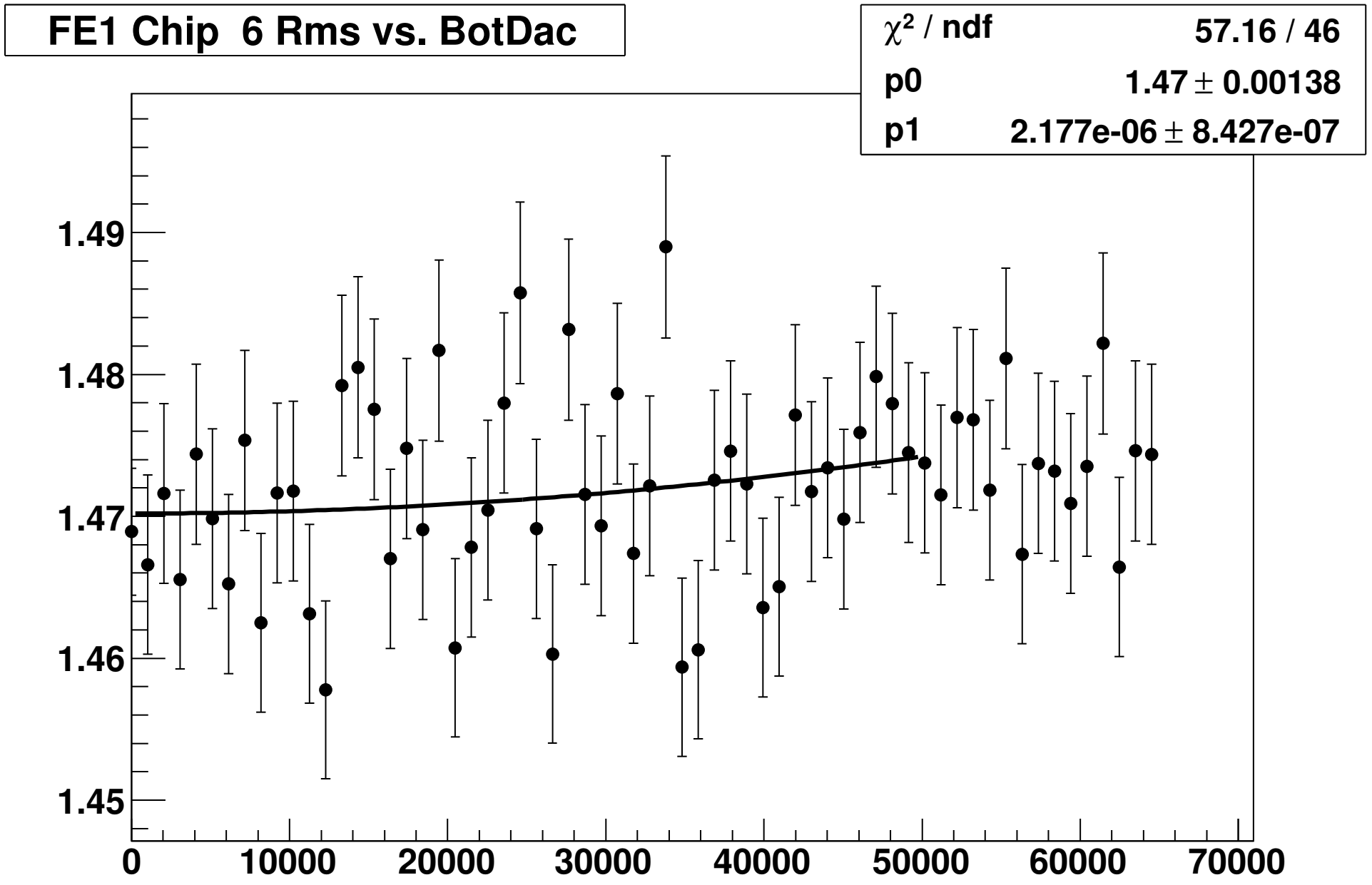
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 57.16 / 46
p0 1.47 ± 0.00138
p1 2.177e-06 ± 8.427e-07
1.49
1.48
1.47
1.46
1.45
0
10000
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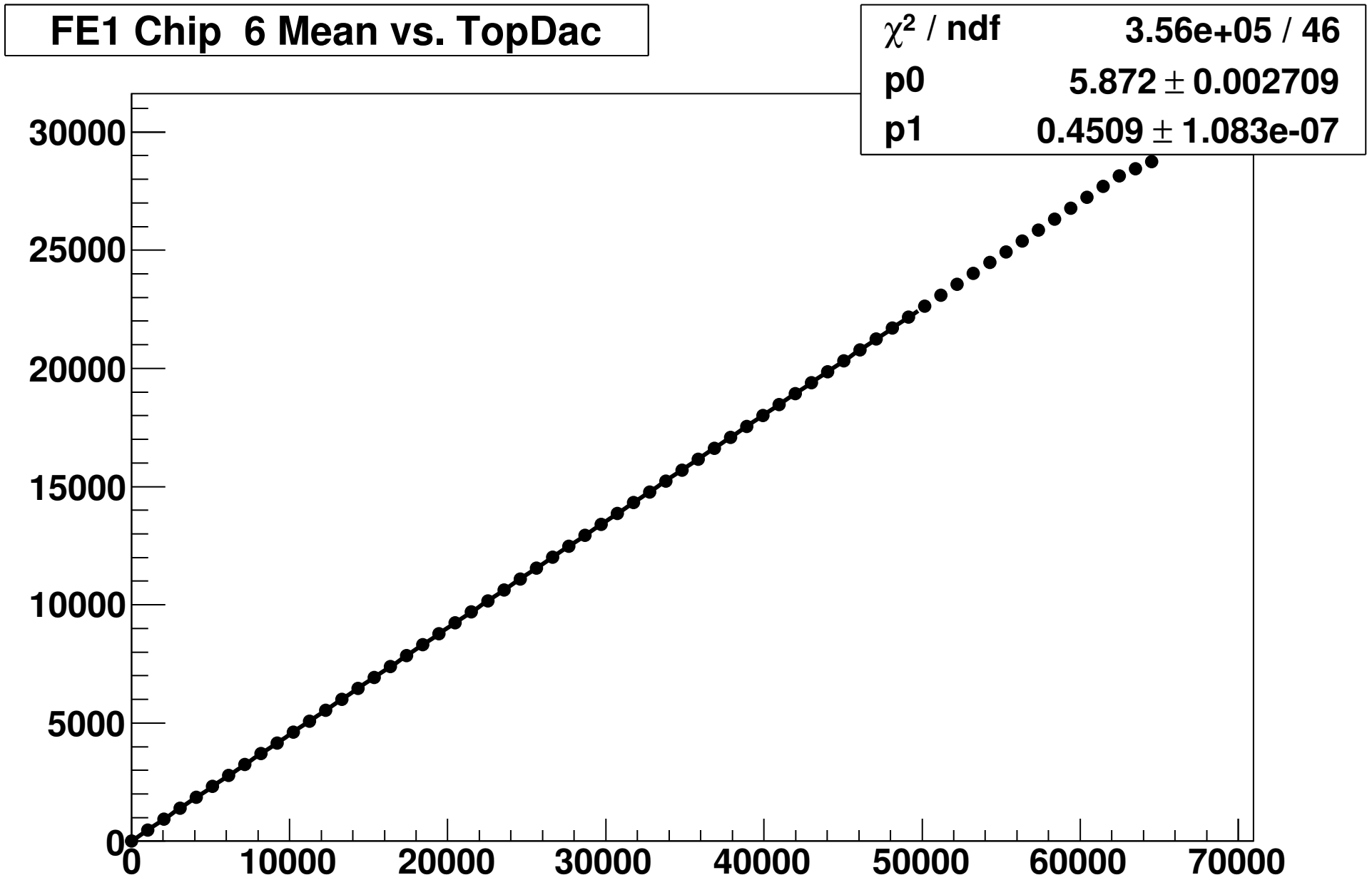
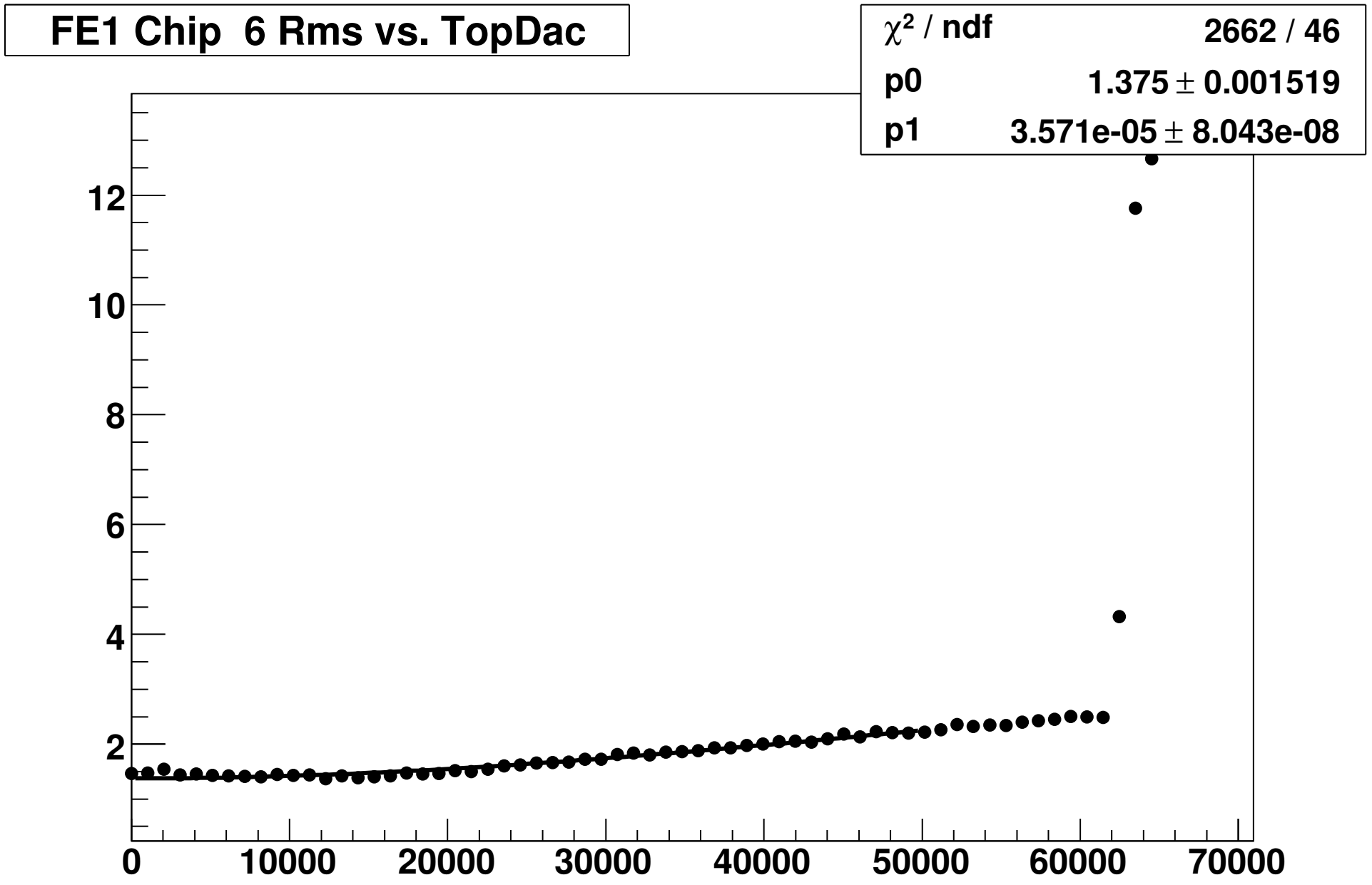
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 3.56e+05 / 46
p0 5.872 ± 0.002709
p1 0.4509 ± 1.083e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 2662 / 46
p0 1.375 ± 0.001519
p1 3.571e-05 ± 8.043e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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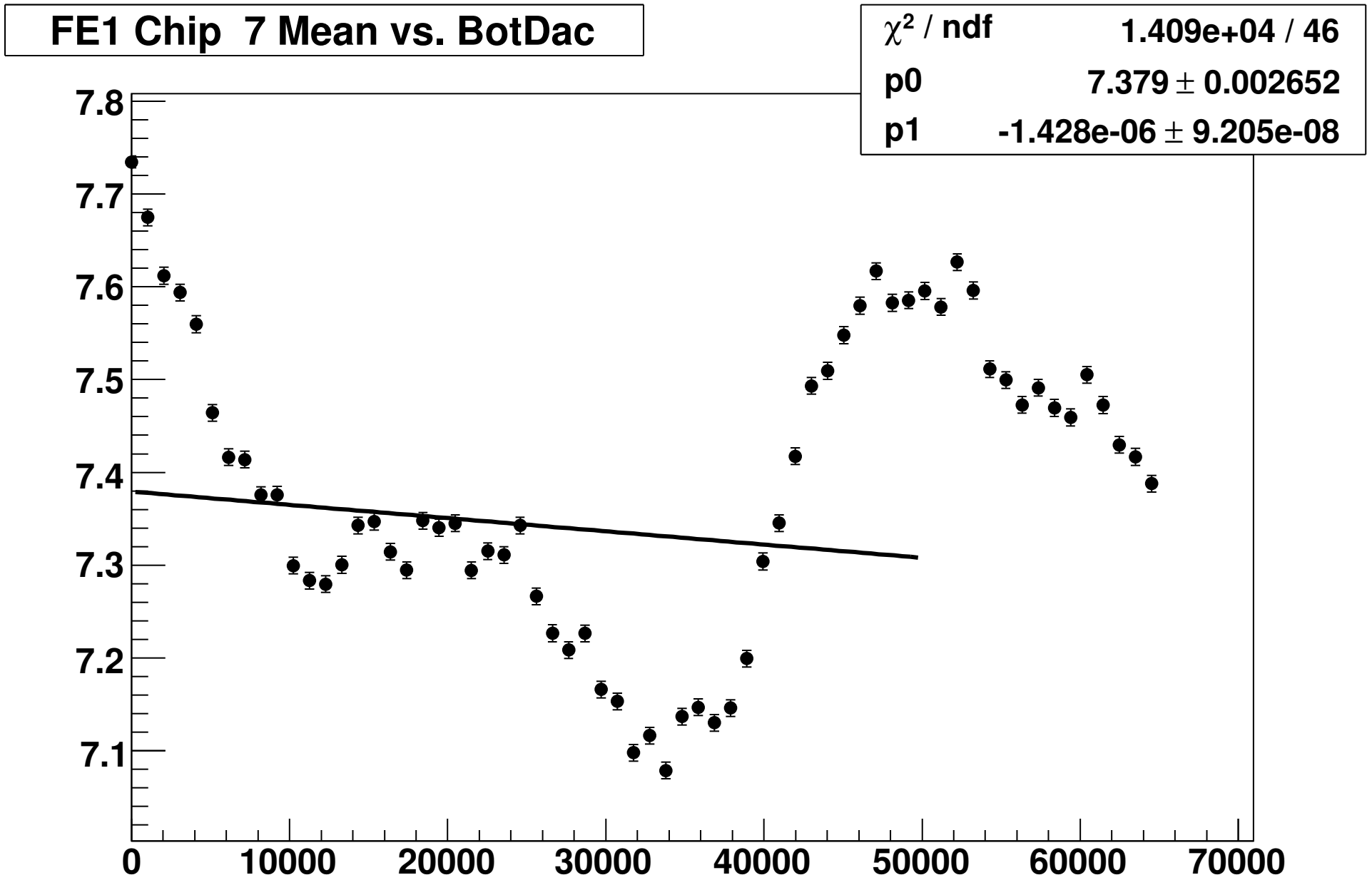
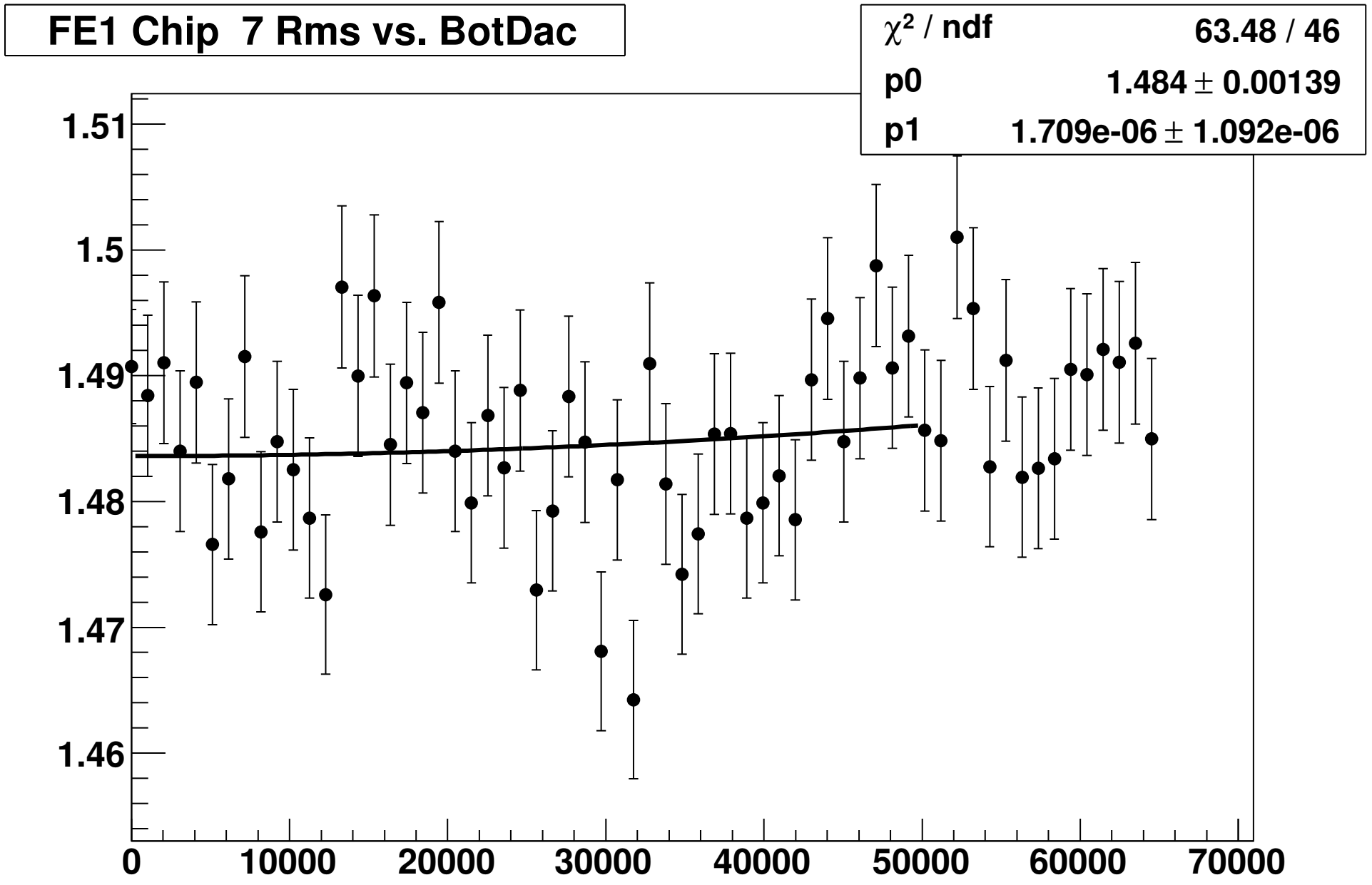
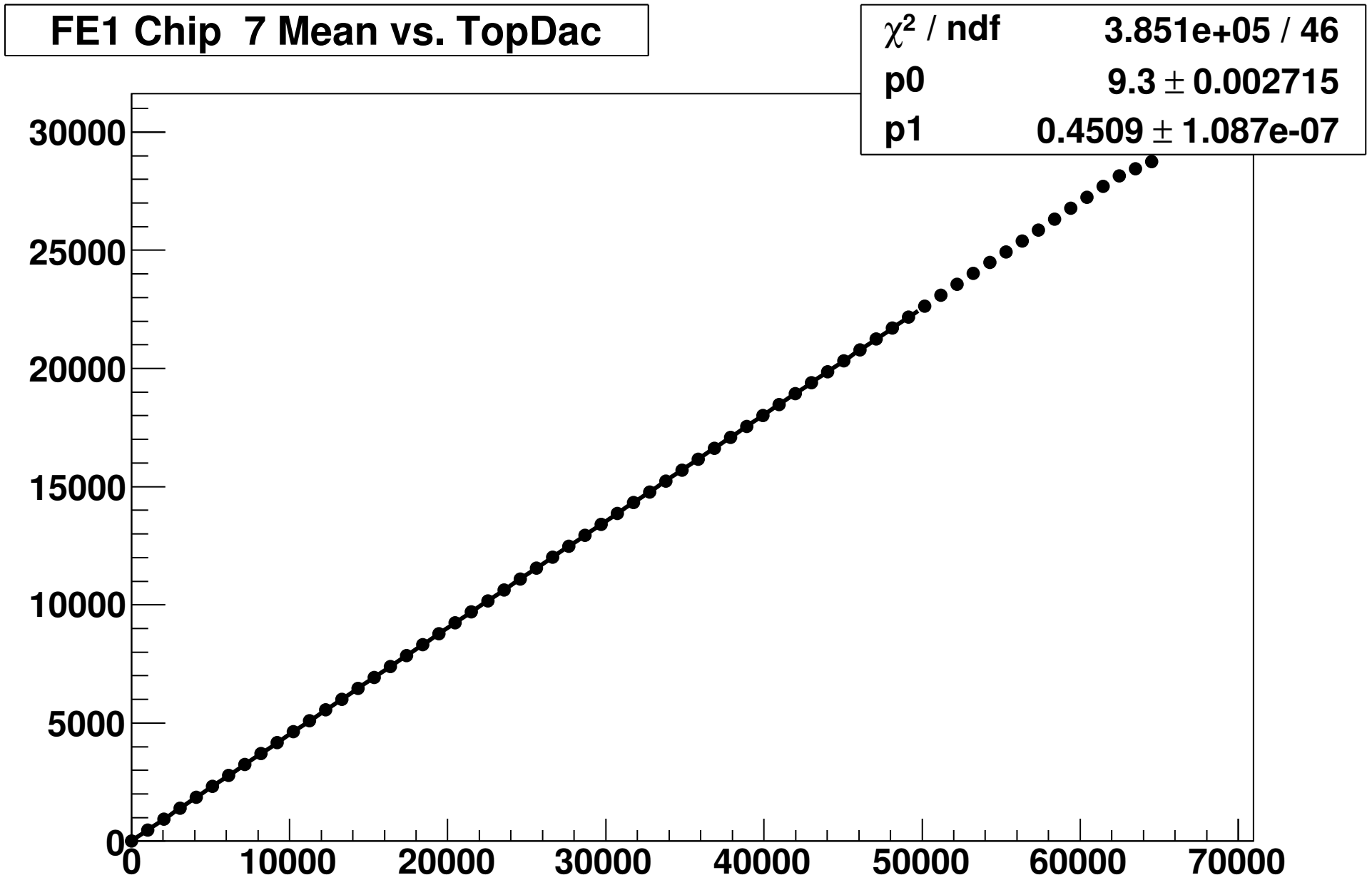
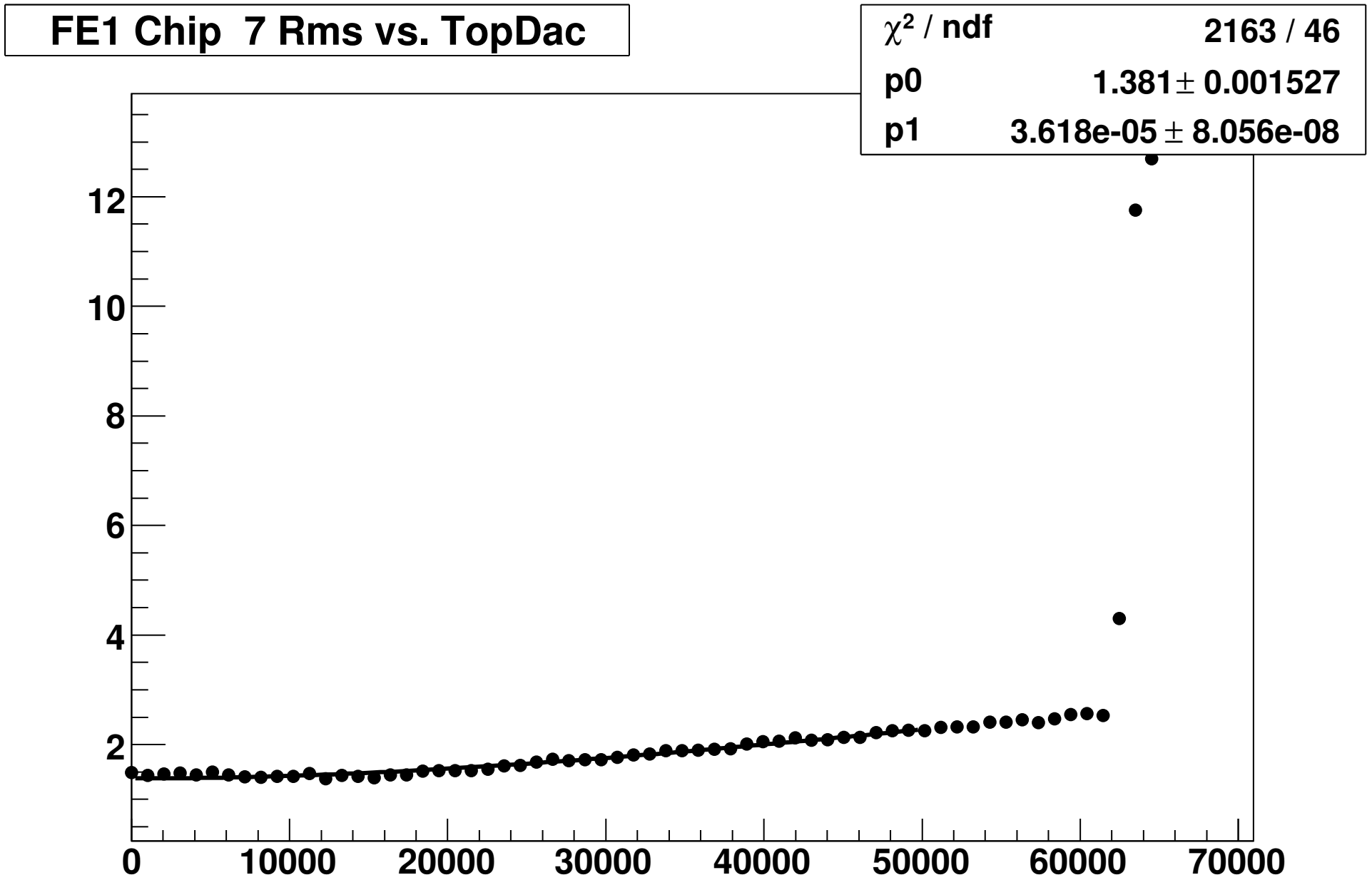
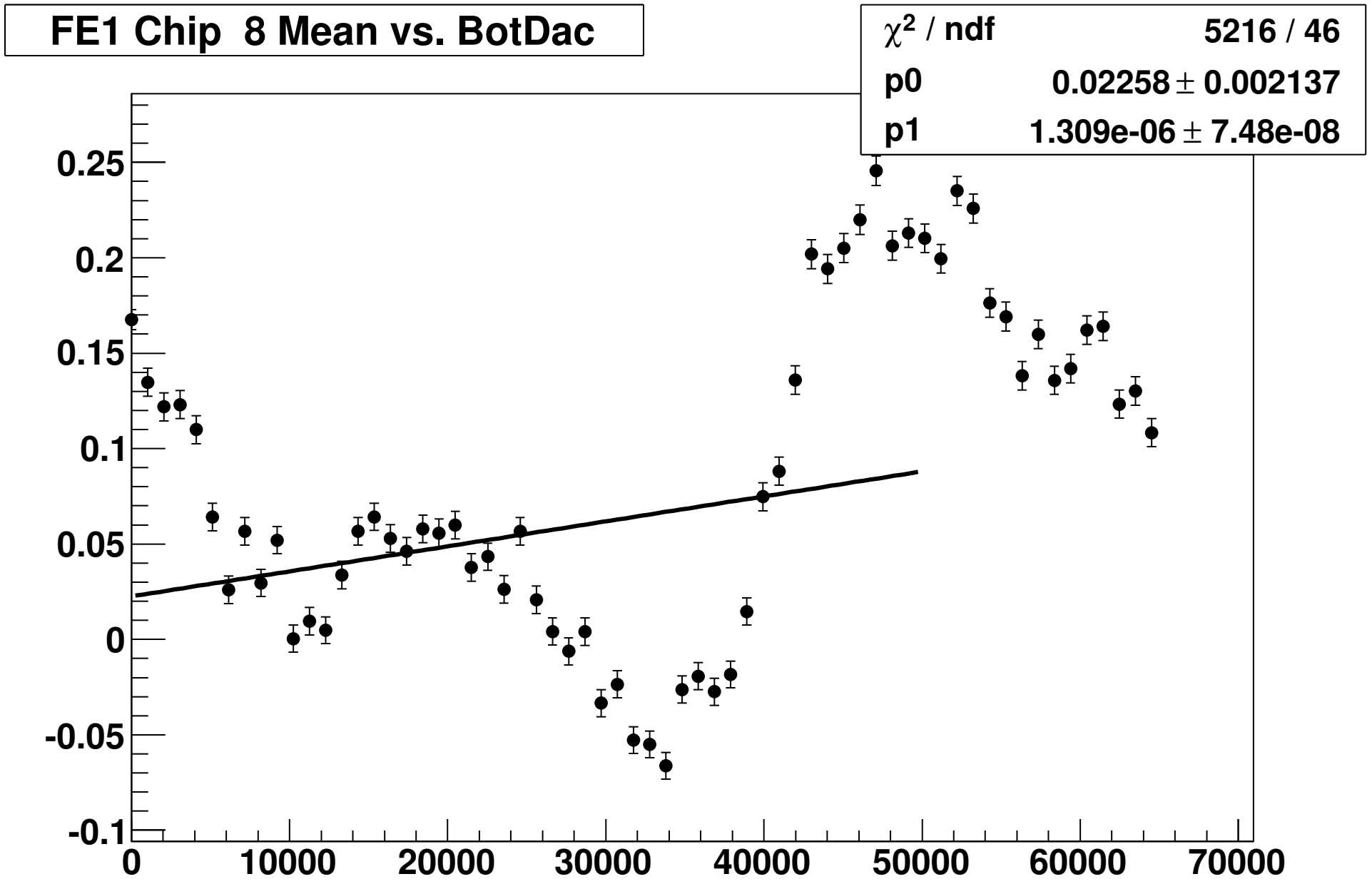
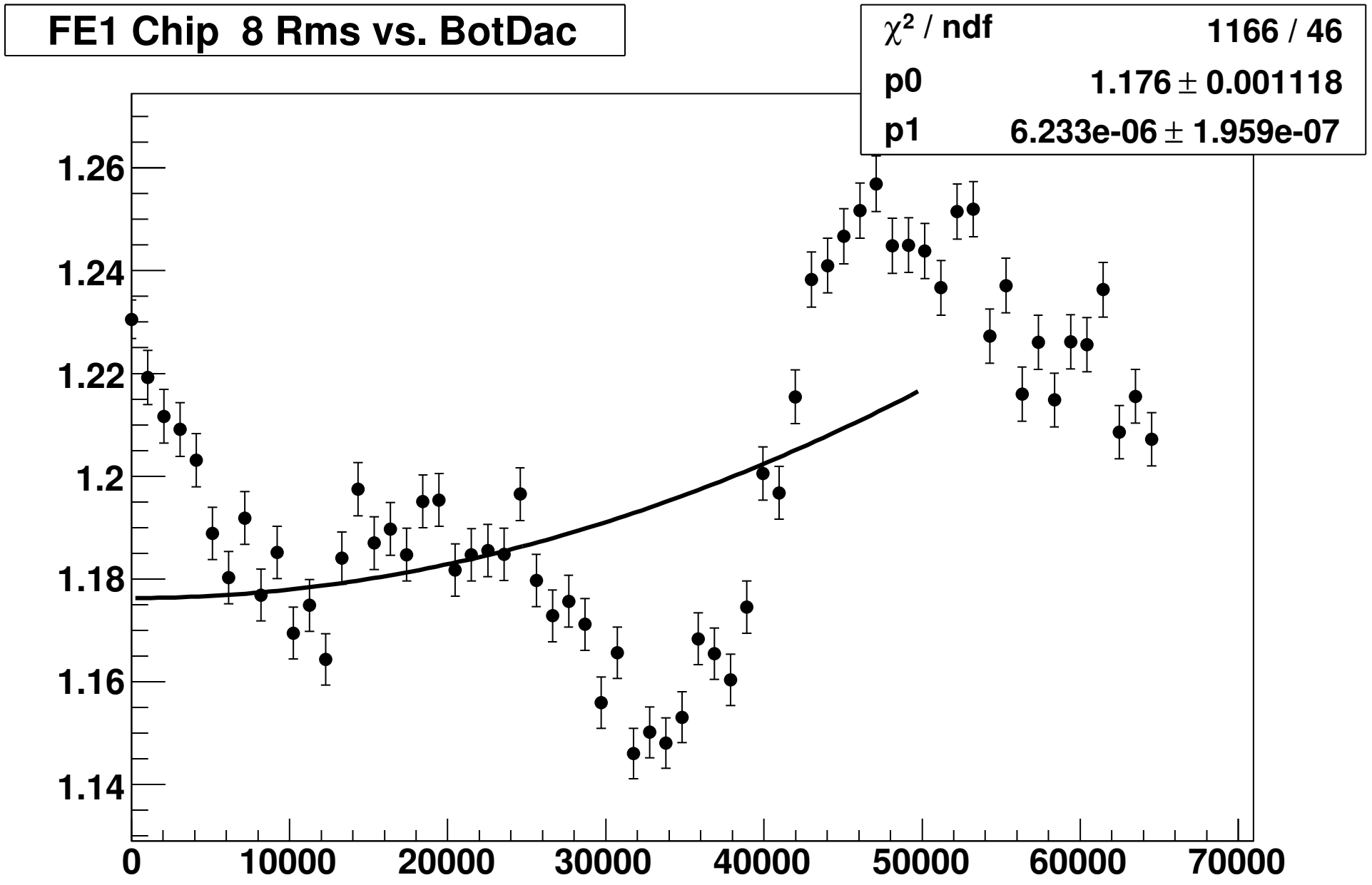

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1.409e+04 / 46
p0 7.379 ± 0.002652
p1 -1.428e-06 ± 9.205e-08
7.8
7.7
7.6
7.5
7.4
7.3
7.2
7.1
0
10000
20000
30000
40000
50000
60000
70000

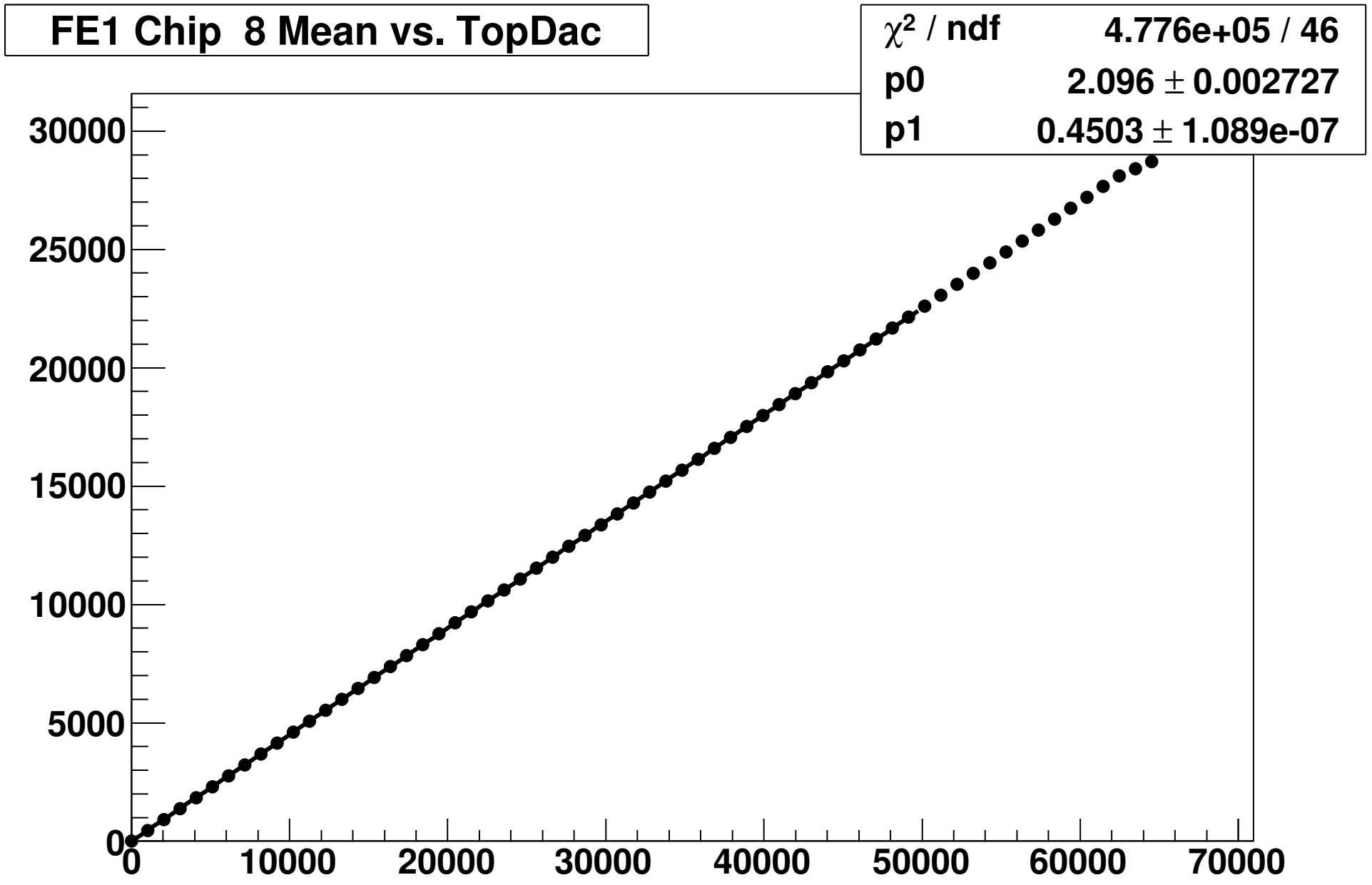

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 63.48 / 46
p0 1.484 ± 0.00139
p1 1.709e-06 ± 1.092e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

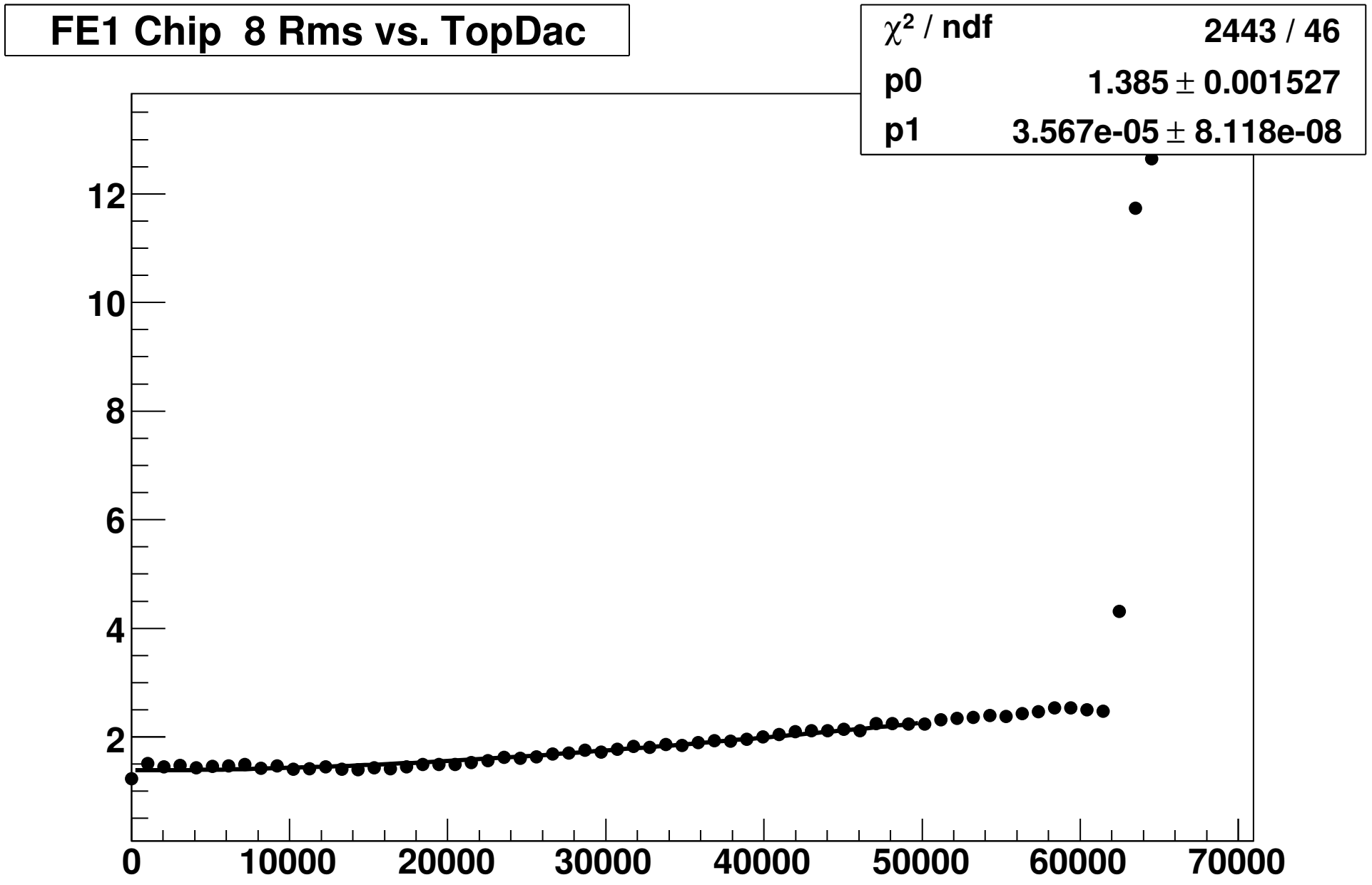

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 3.851e+05 / 46
p0 9.3 ± 0.002715
p1 0.4509 ± 1.087e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

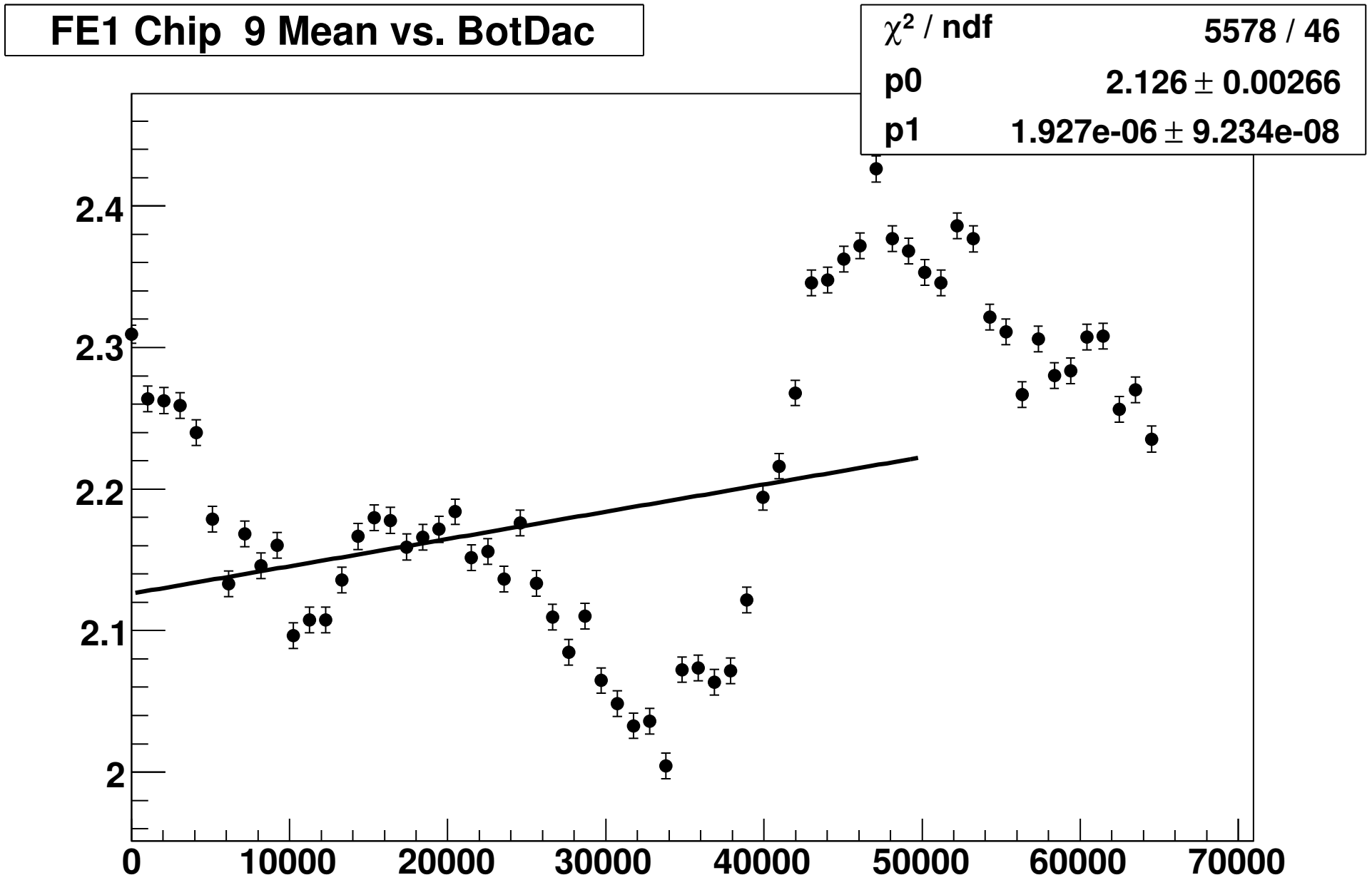

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 2163 / 46
p0 1.381 ± 0.001527
p1 3.618e-05 ± 8.056e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

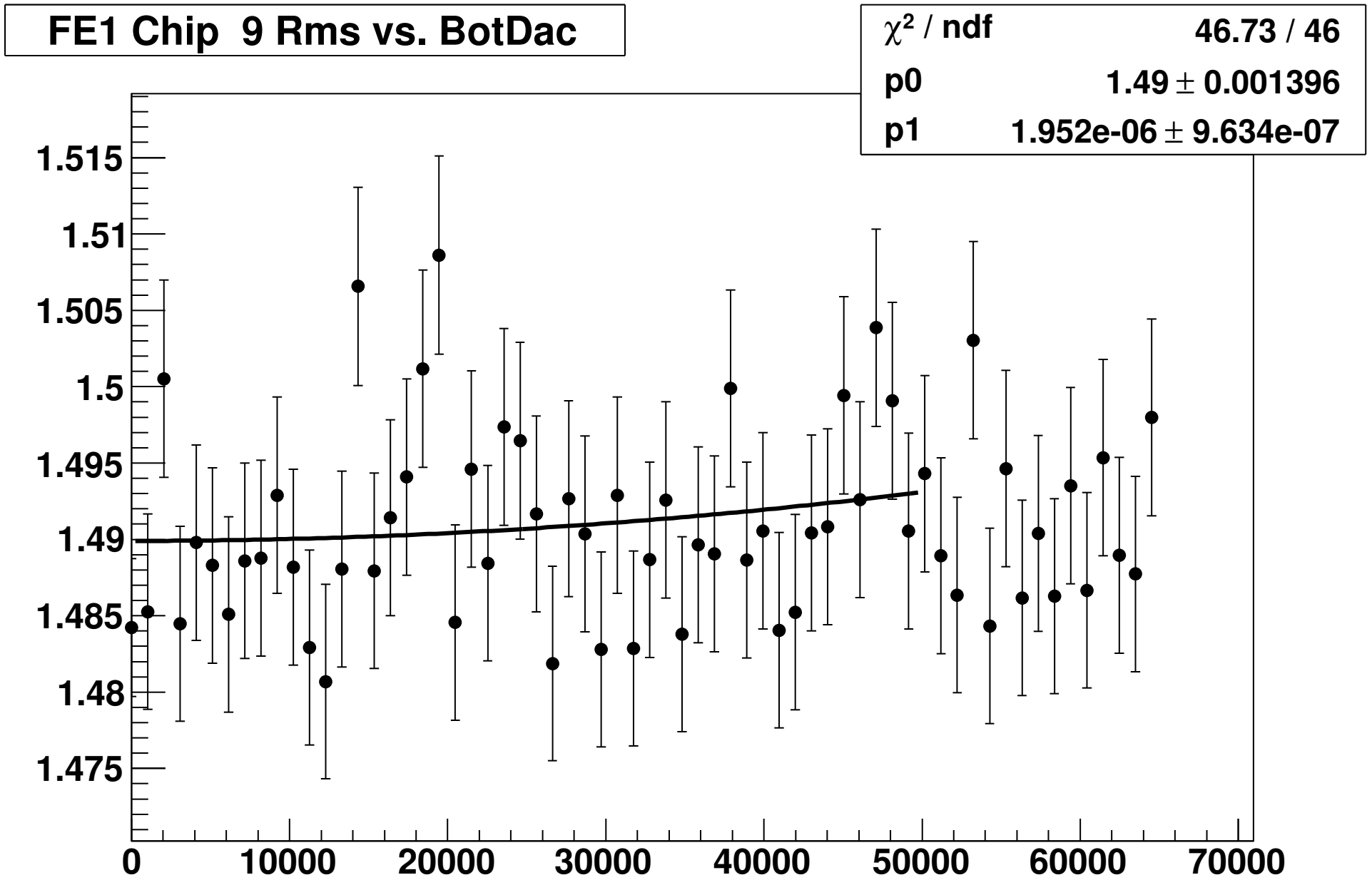

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 5216 / 46
p0 0.02258 ± 0.002137
p1 1.309e-06 ± 7.48e-08
0.25
0.2
0.15
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 1166 / 46
p0 1.176 ± 0.001118
p1 6.233e-06 ± 1.959e-07
1.26
1.24
1.22
1.2
1.18
1.16
1.14
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 4.776e+05 / 46
p0 2.096 ± 0.002727
p1 0.4503 ± 1.089e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 2443 / 46
p0 1.385 ± 0.001527
p1 3.567e-05 ± 8.118e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 5578 / 46
p0 2.126 ± 0.00266
p1 1.927e-06 ± 9.234e-08
2.4
2.3
2.2
2.1
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 46.73 / 46
p0 1.49 ± 0.001396
p1 1.952e-06 ± 9.634e-07
1.515
1.51
1.505
1.5
1.495
1.49
1.485
1.48
1.475
0
10000
20000
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40000
50000
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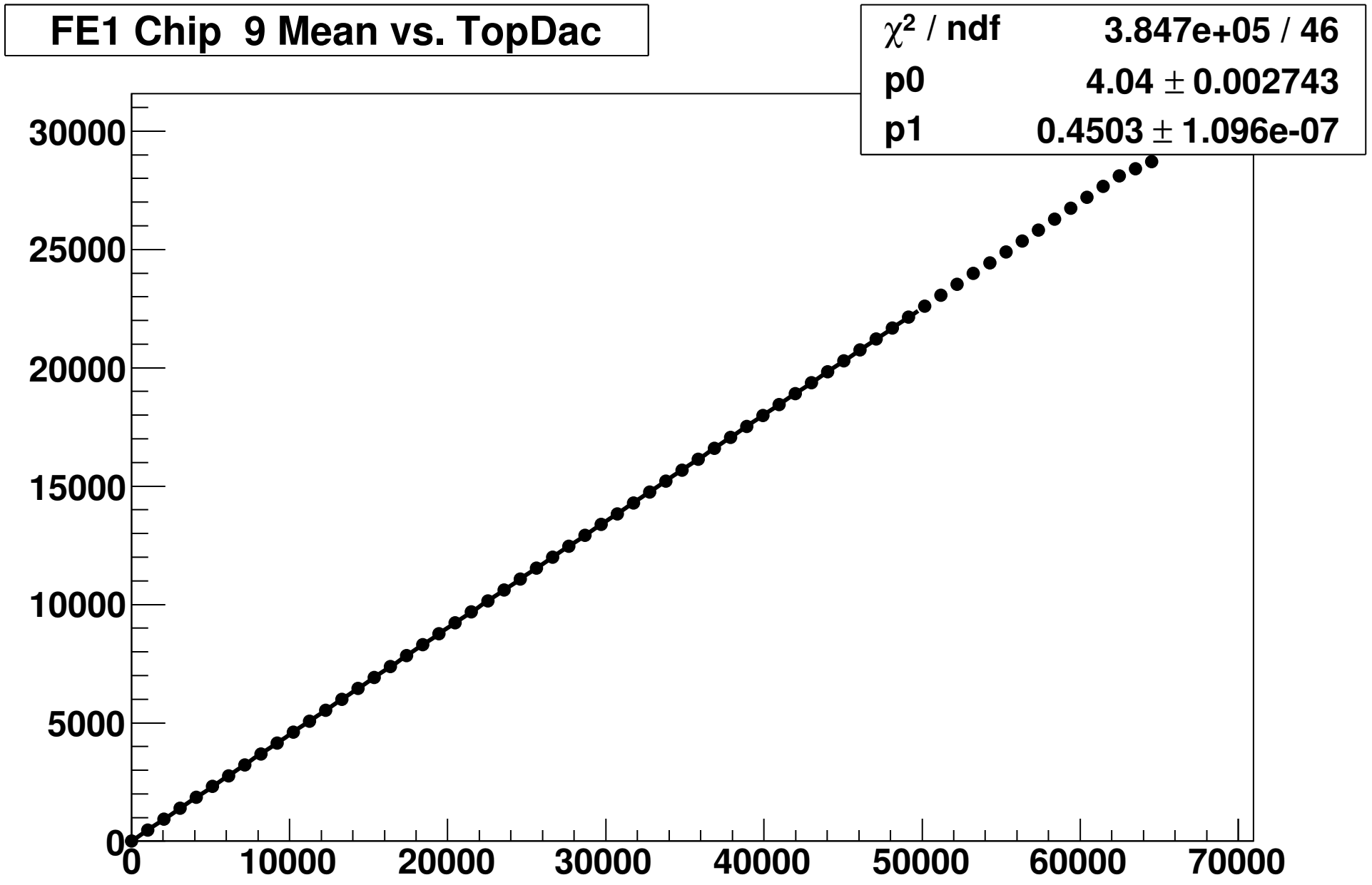
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 3.847e+05 / 46
p0 4.04 ± 0.002743
p1 0.4503 ± 1.096e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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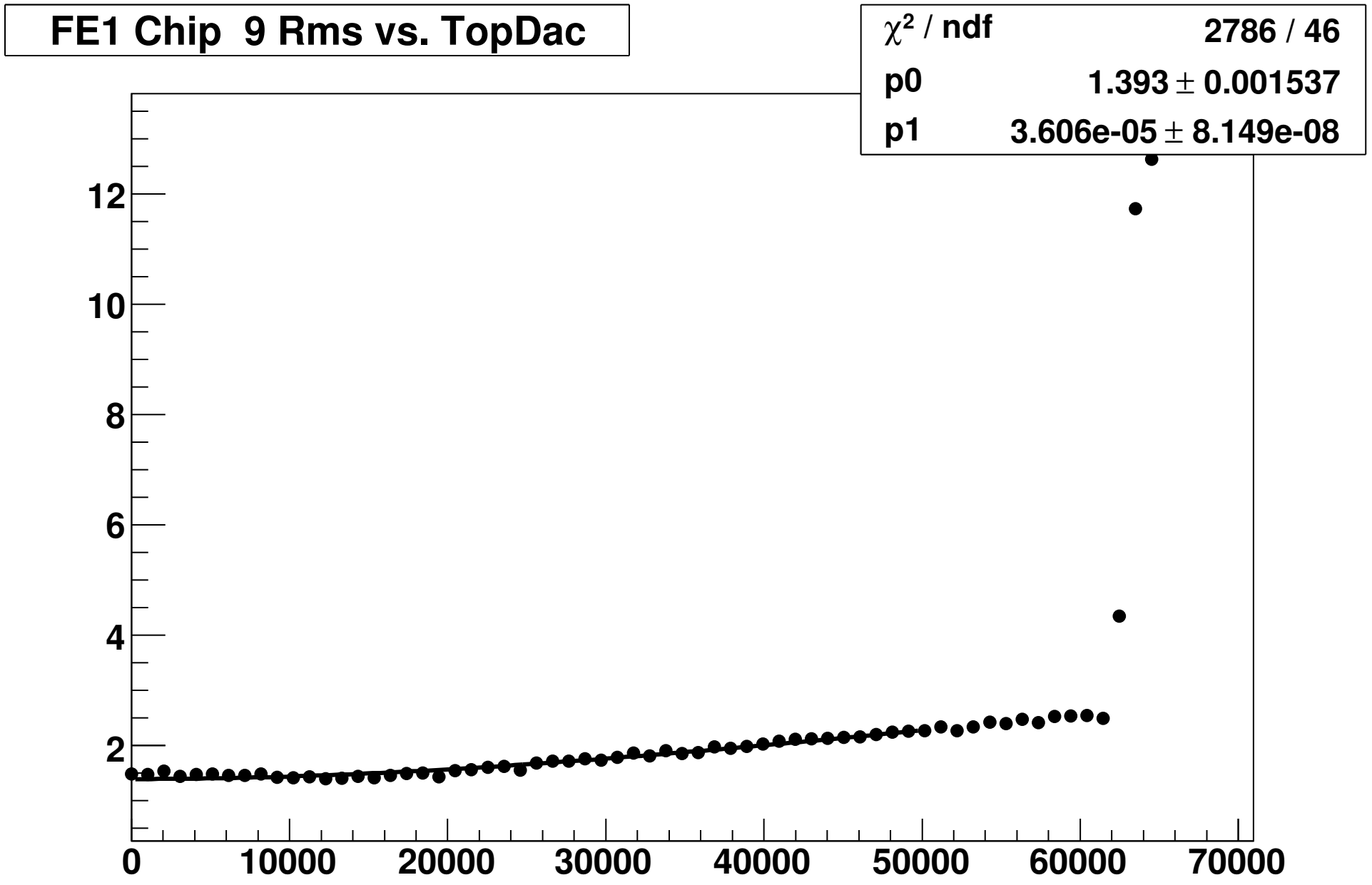
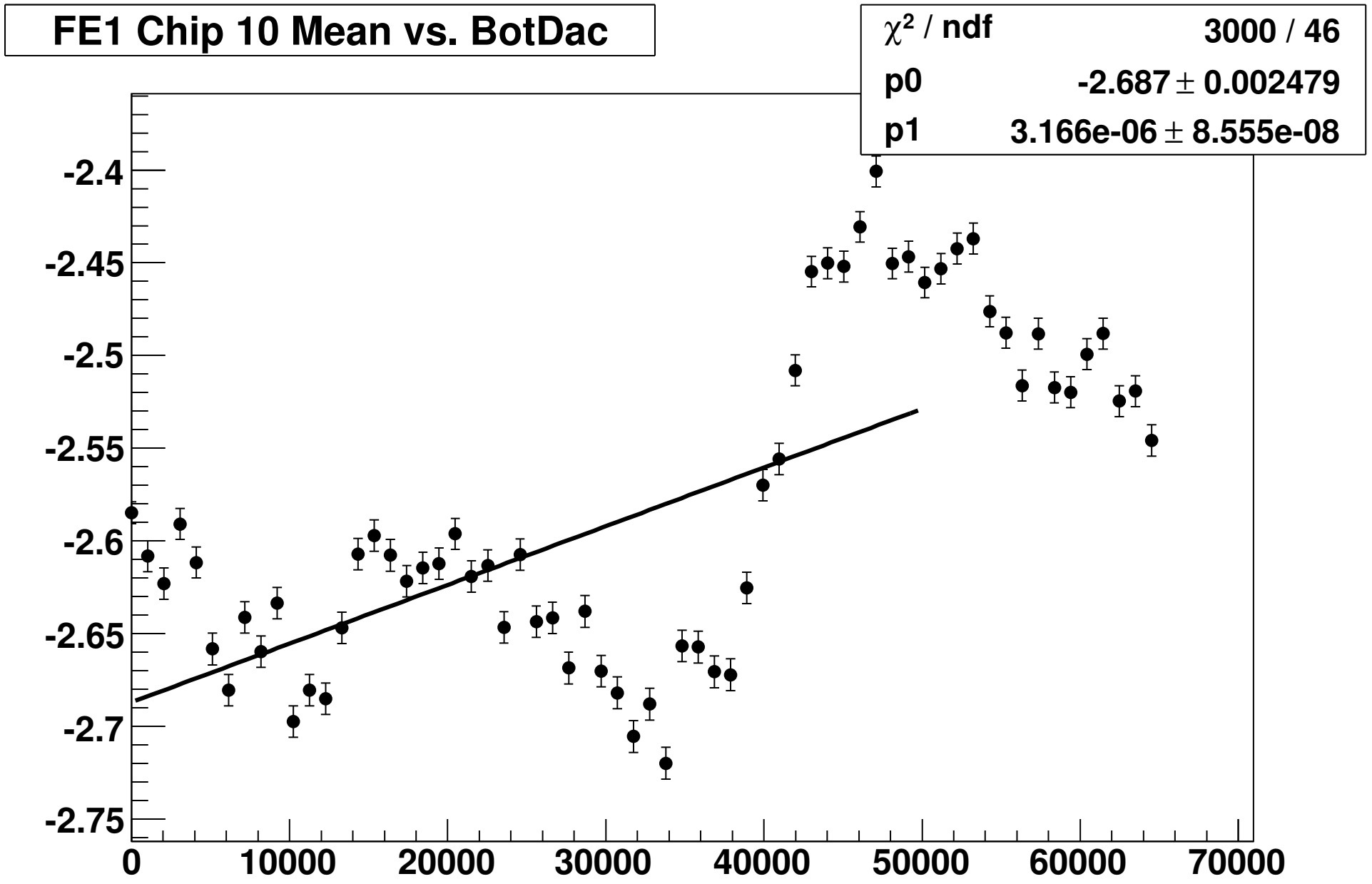
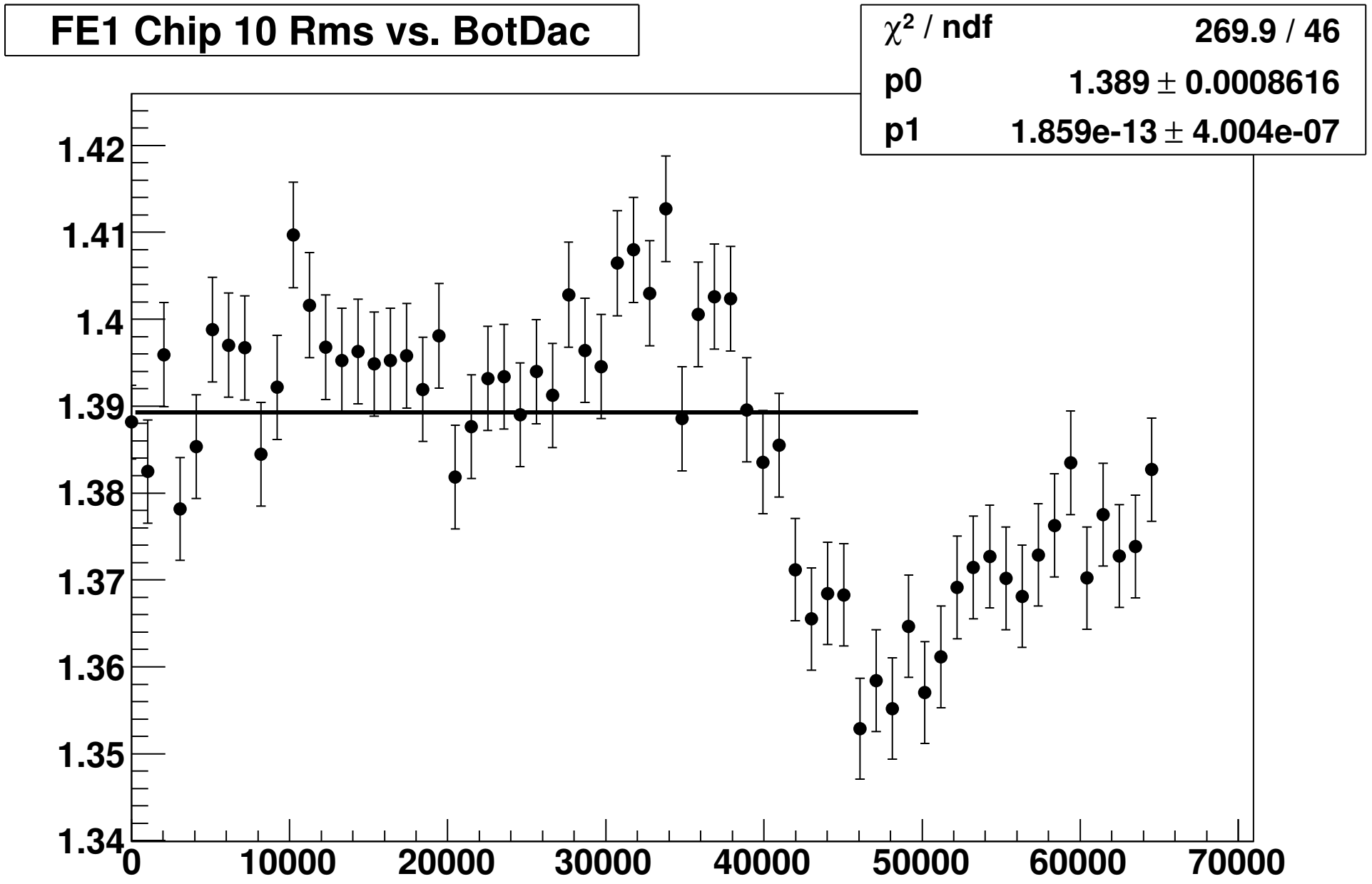
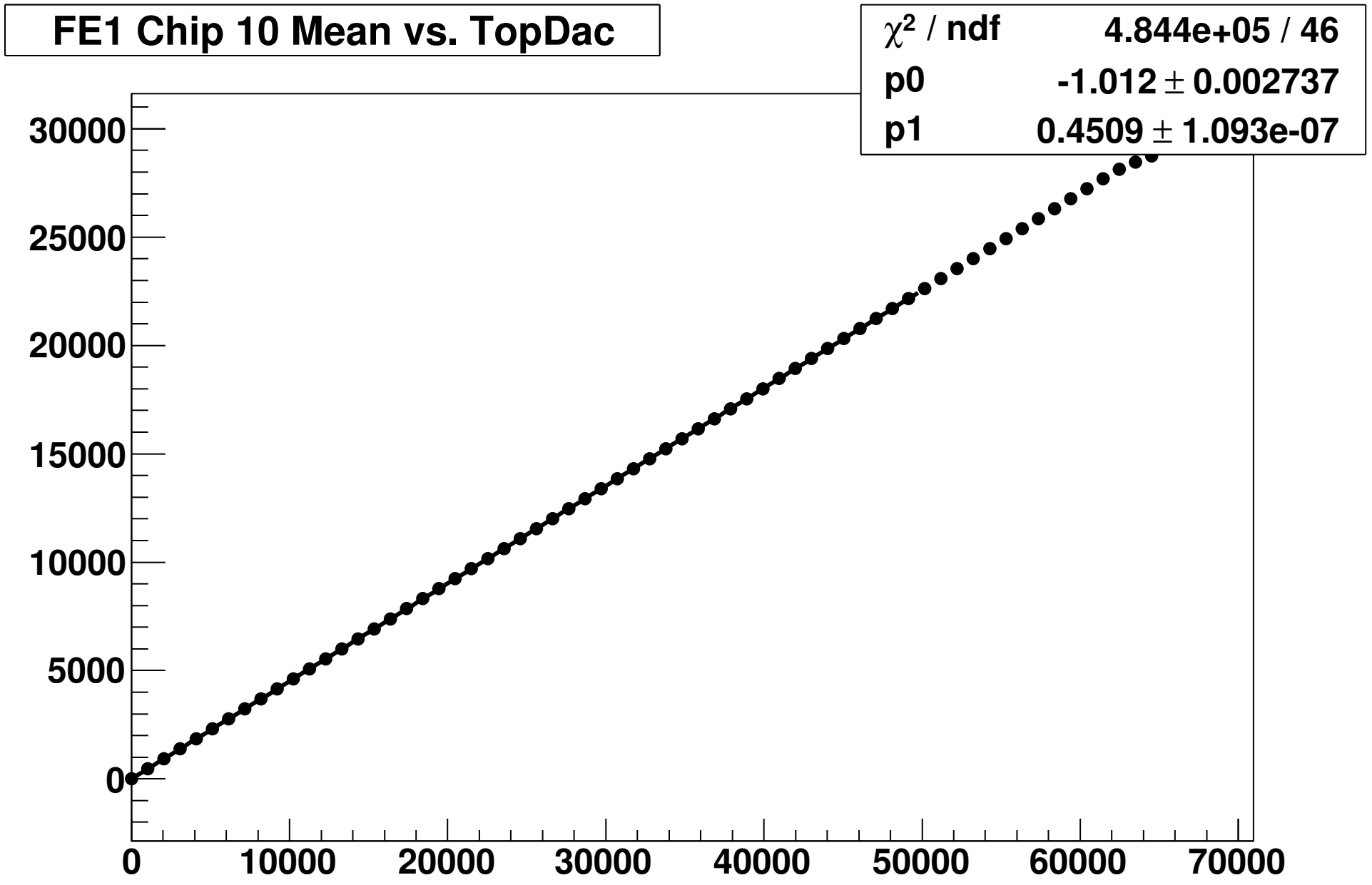
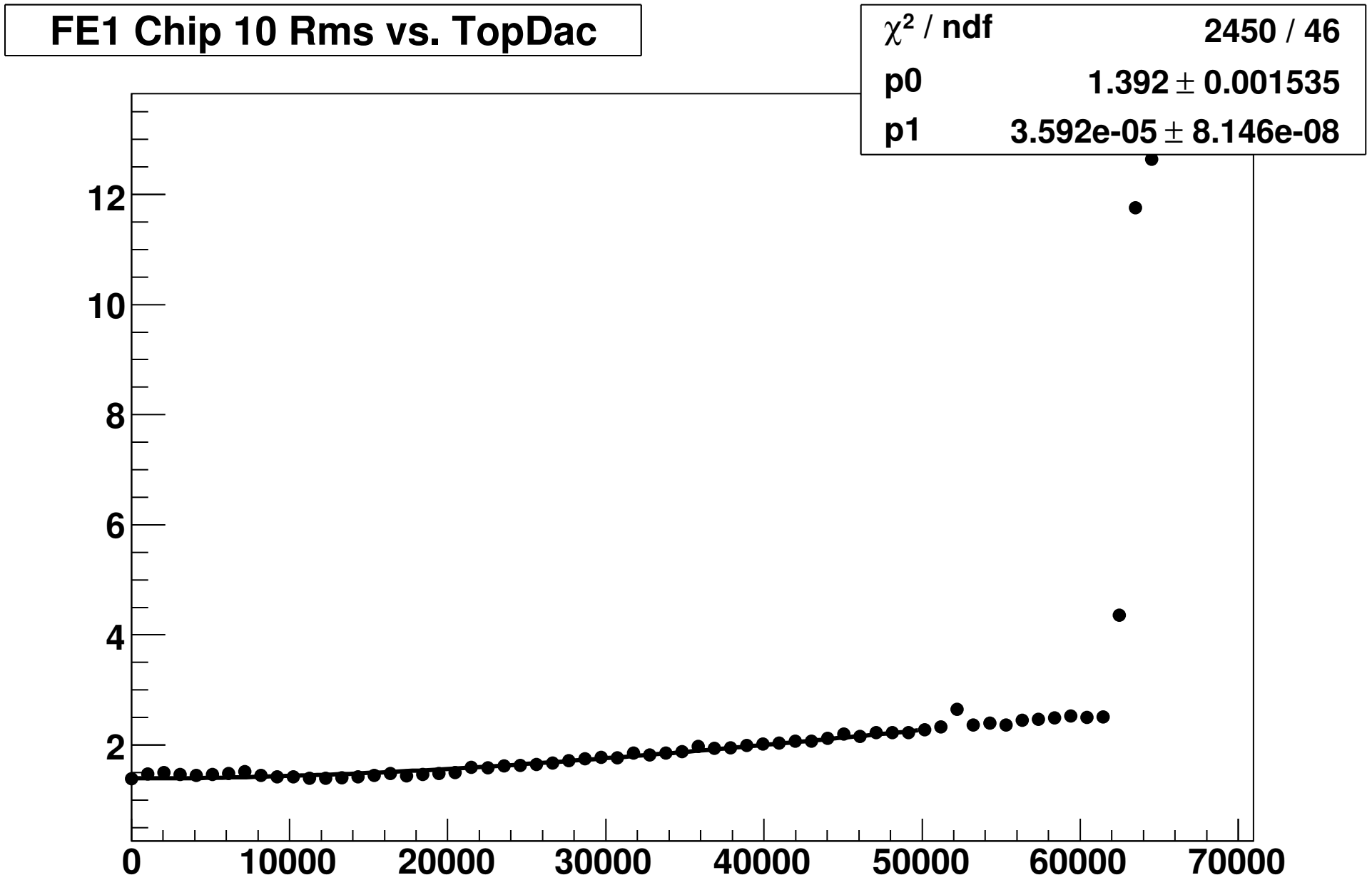
70000

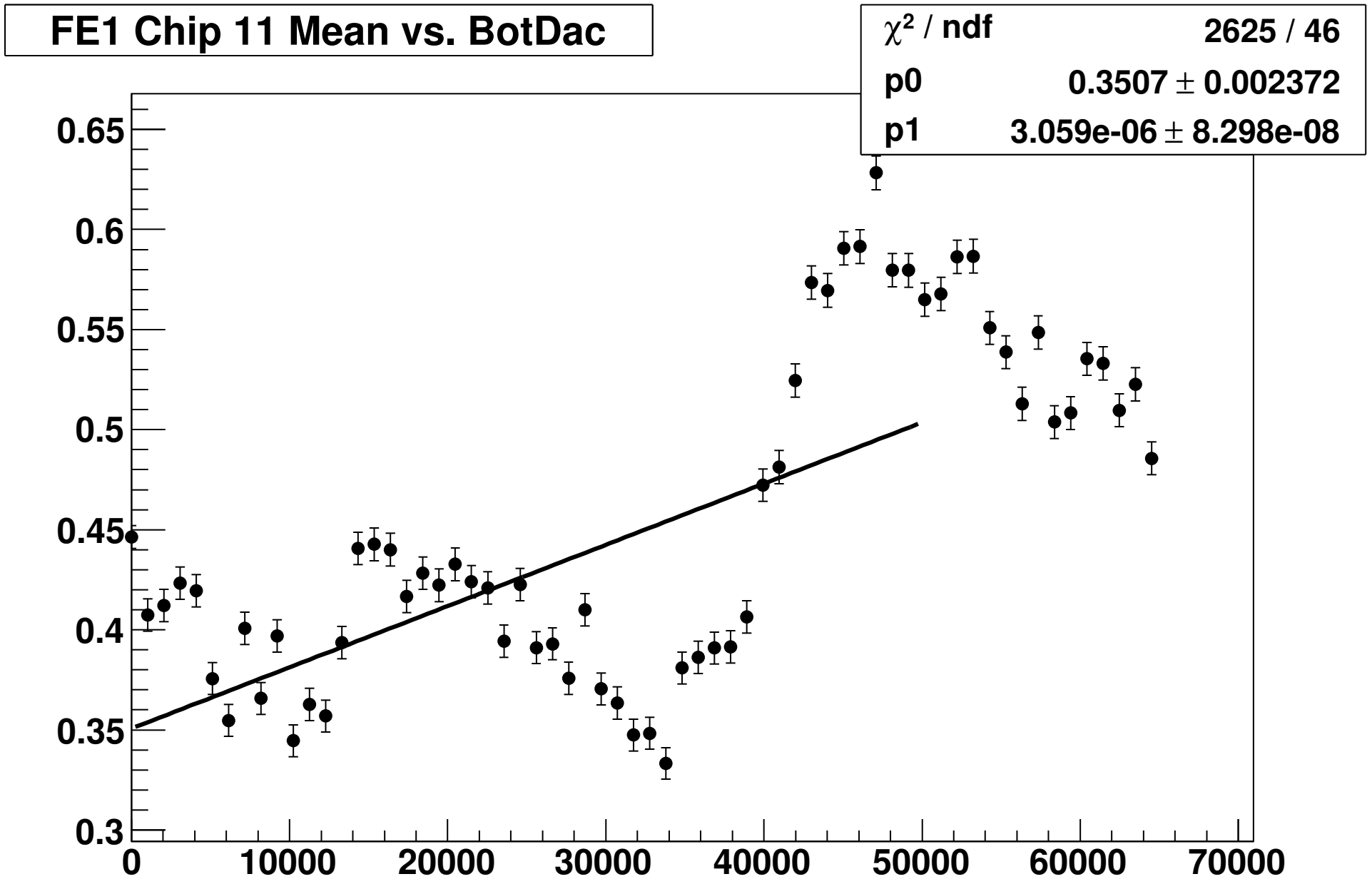

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 2786 / 46
p0 1.393 ± 0.001537
p1 3.606e-05 ± 8.149e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

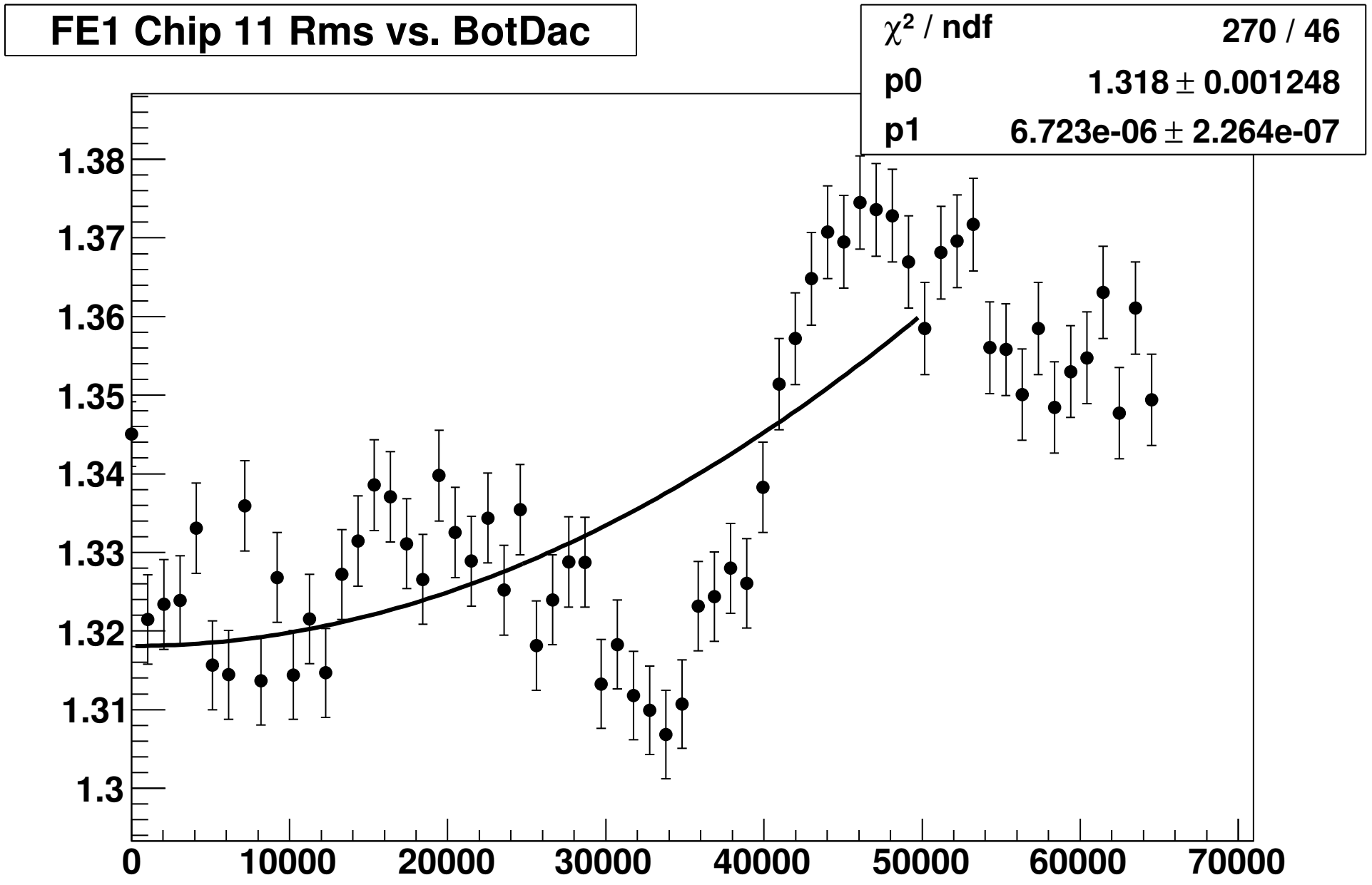

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 3000 / 46
p0 -2.687 ± 0.002479
p1 3.166e-06 ± 8.555e-08
-2.4
-2.45
-2.5
-2.55
-2.6
-2.65
-2.7
-2.75
0
10000
20000
30000
40000
50000
60000
70000

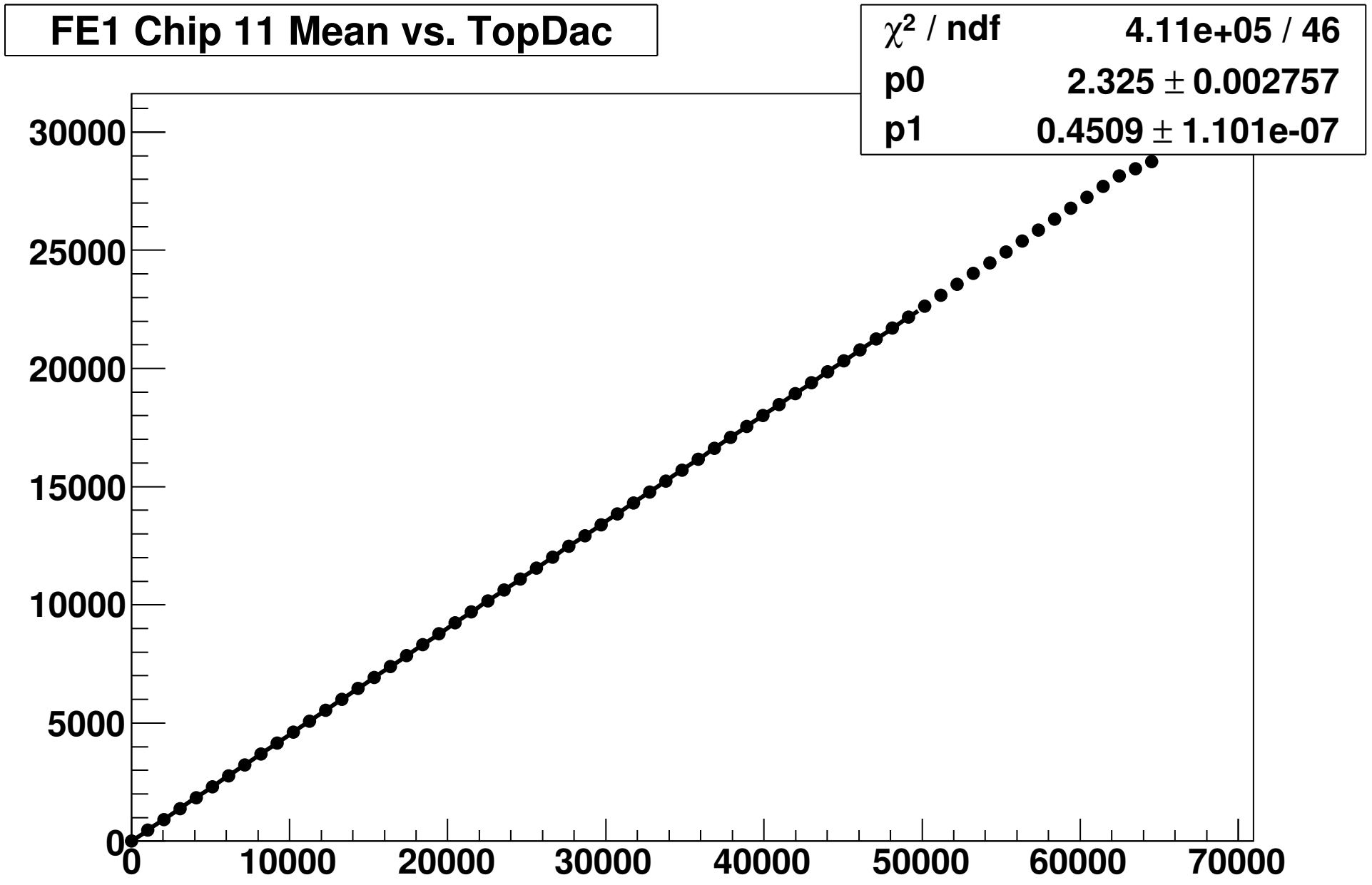

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 269.9 / 46
p0 1.389 ± 0.0008616
p1 1.859e-13 ± 4.004e-07
1.42
1.41
1.4
1.39
1.38
1.37
1.36
1.35
1.34
0
10000
20000
30000
40000
50000
60000
70000

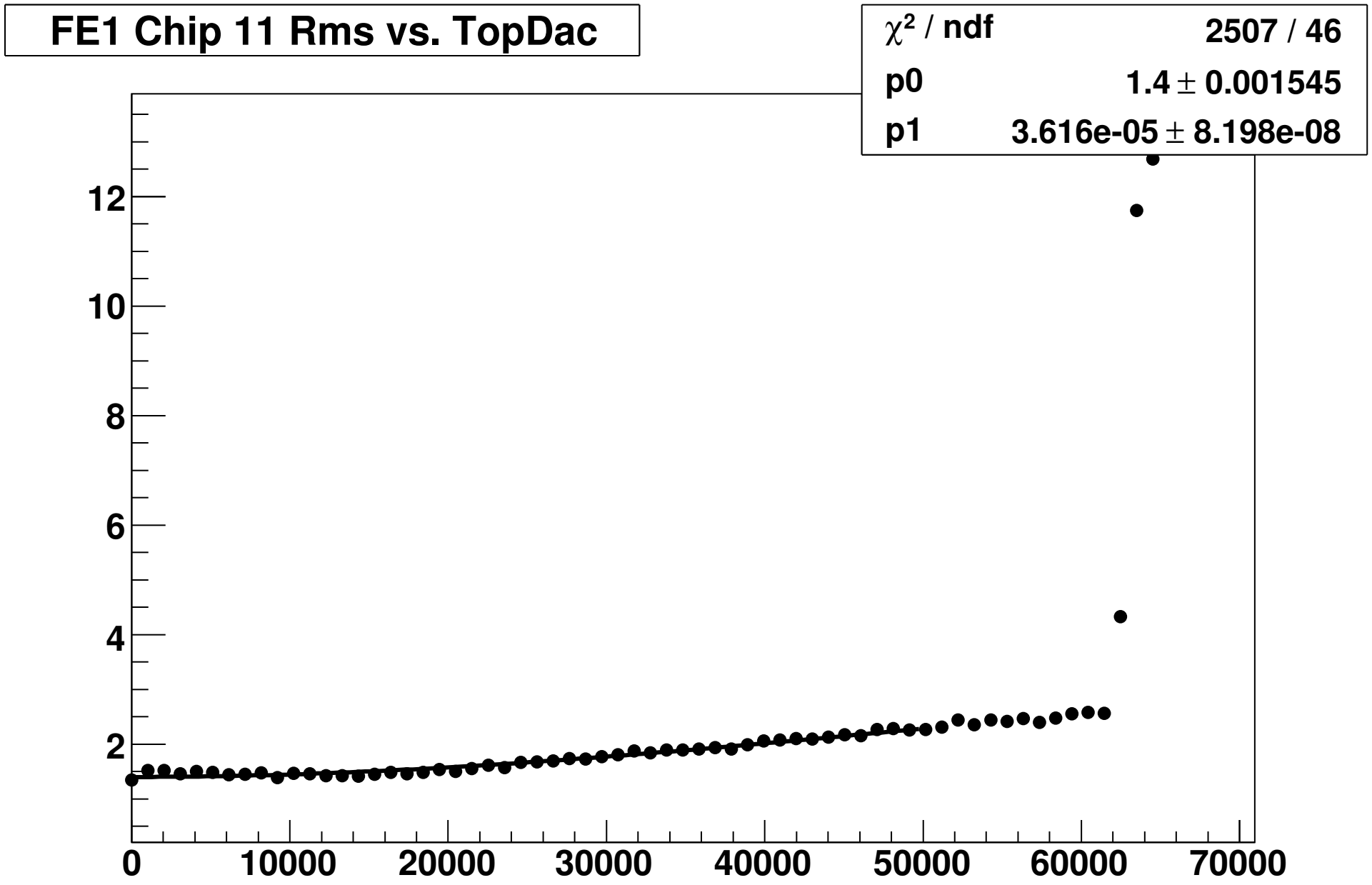

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 4.844e+05 / 46
p0 -1.012 ± 0.002737
p1 0.4509 ± 1.093e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

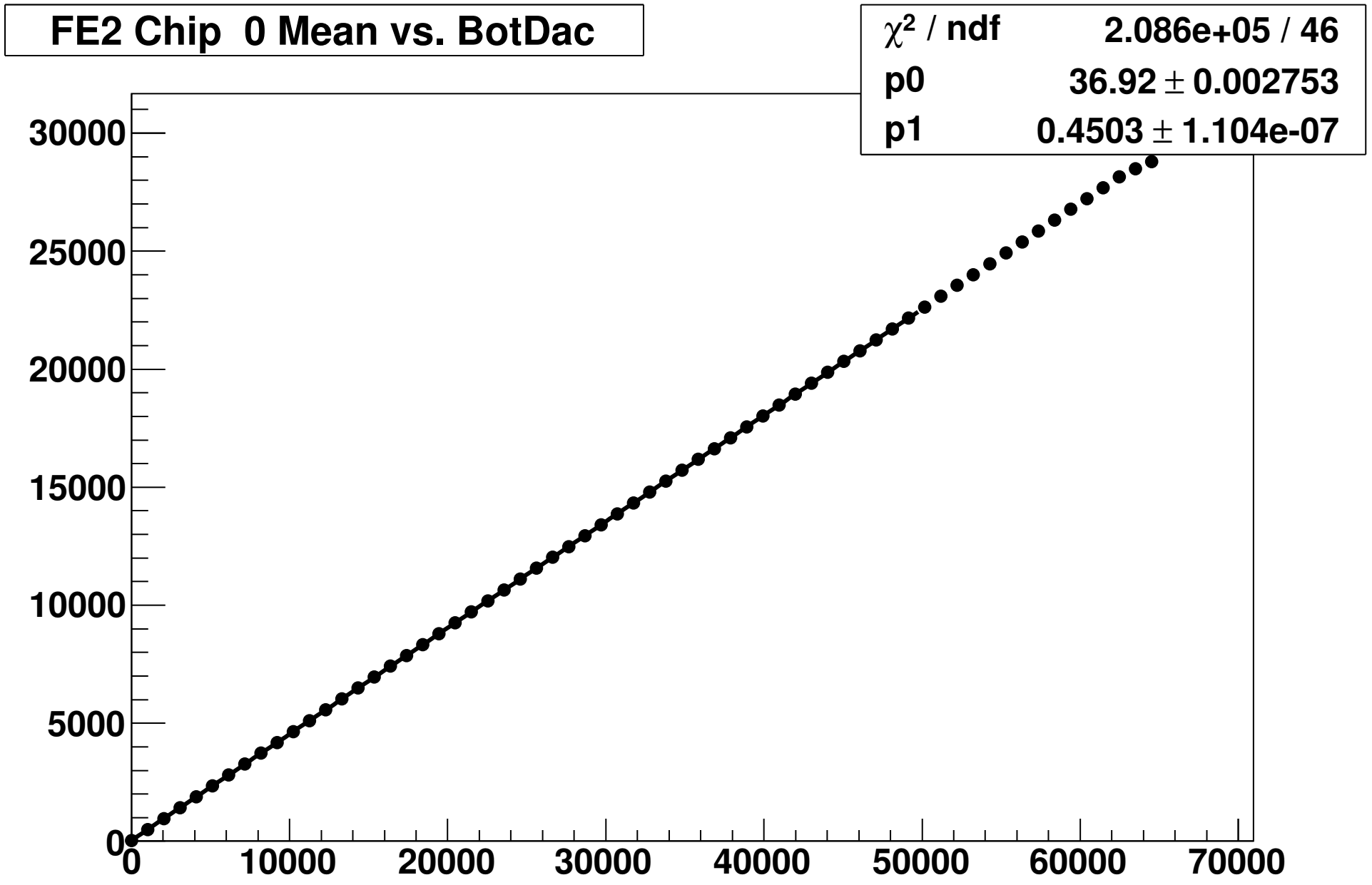

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 2450 / 46
p0 1.392 ± 0.001535
p1 3.592e-05 ± 8.146e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

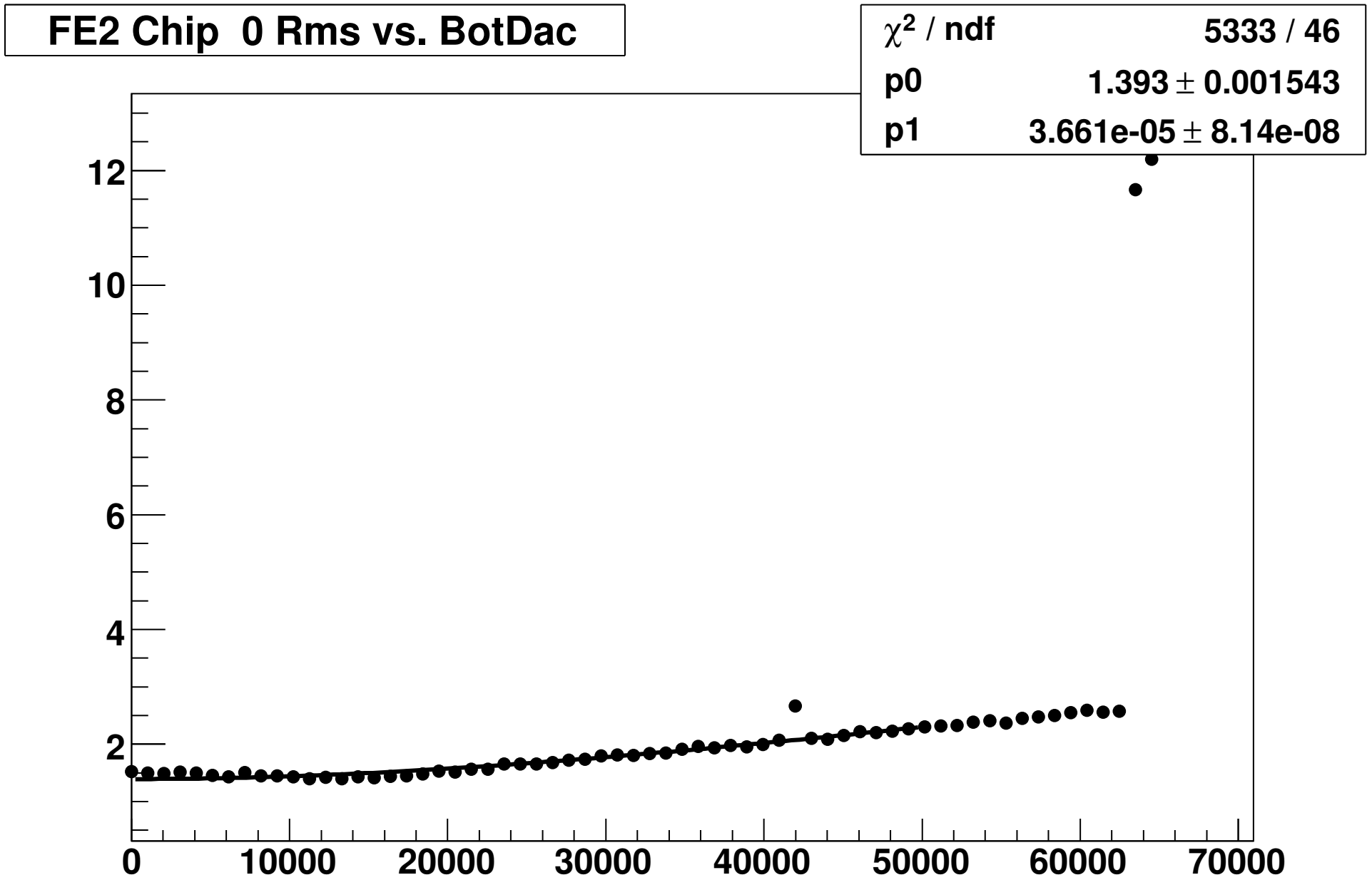

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 2625 / 46
p0 0.3507 ± 0.002372
p1 3.059e-06 ± 8.298e-08
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0
10000
20000
30000
40000
50000
60000
70000

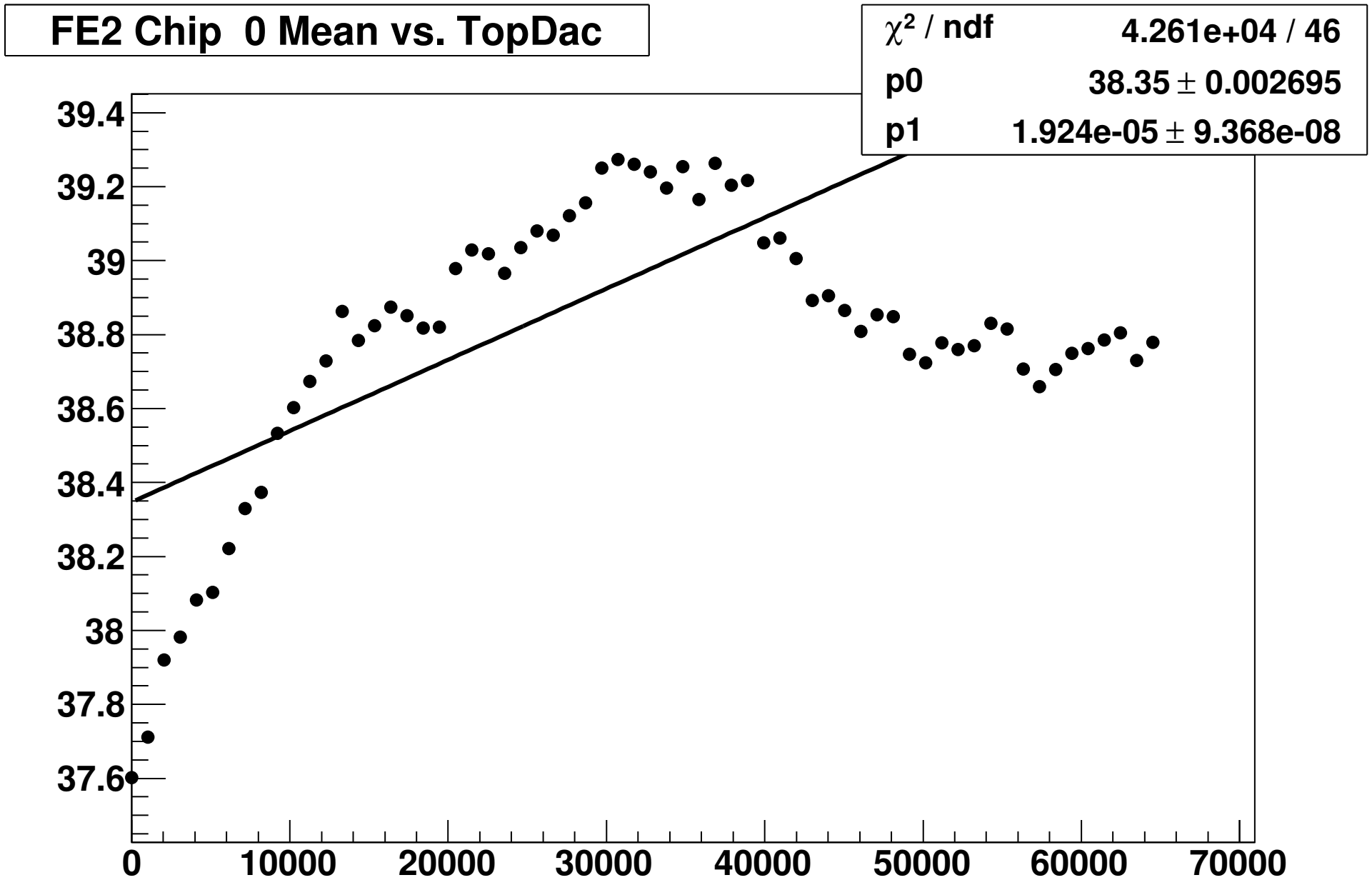

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 270 / 46
p0 1.318 ± 0.001248
p1 6.723e-06 ± 2.264e-07
1.38
1.37
1.36
1.35
1.34
1.33
1.32
1.31
1.3
0
10000
20000
30000
40000
50000
60000
70000

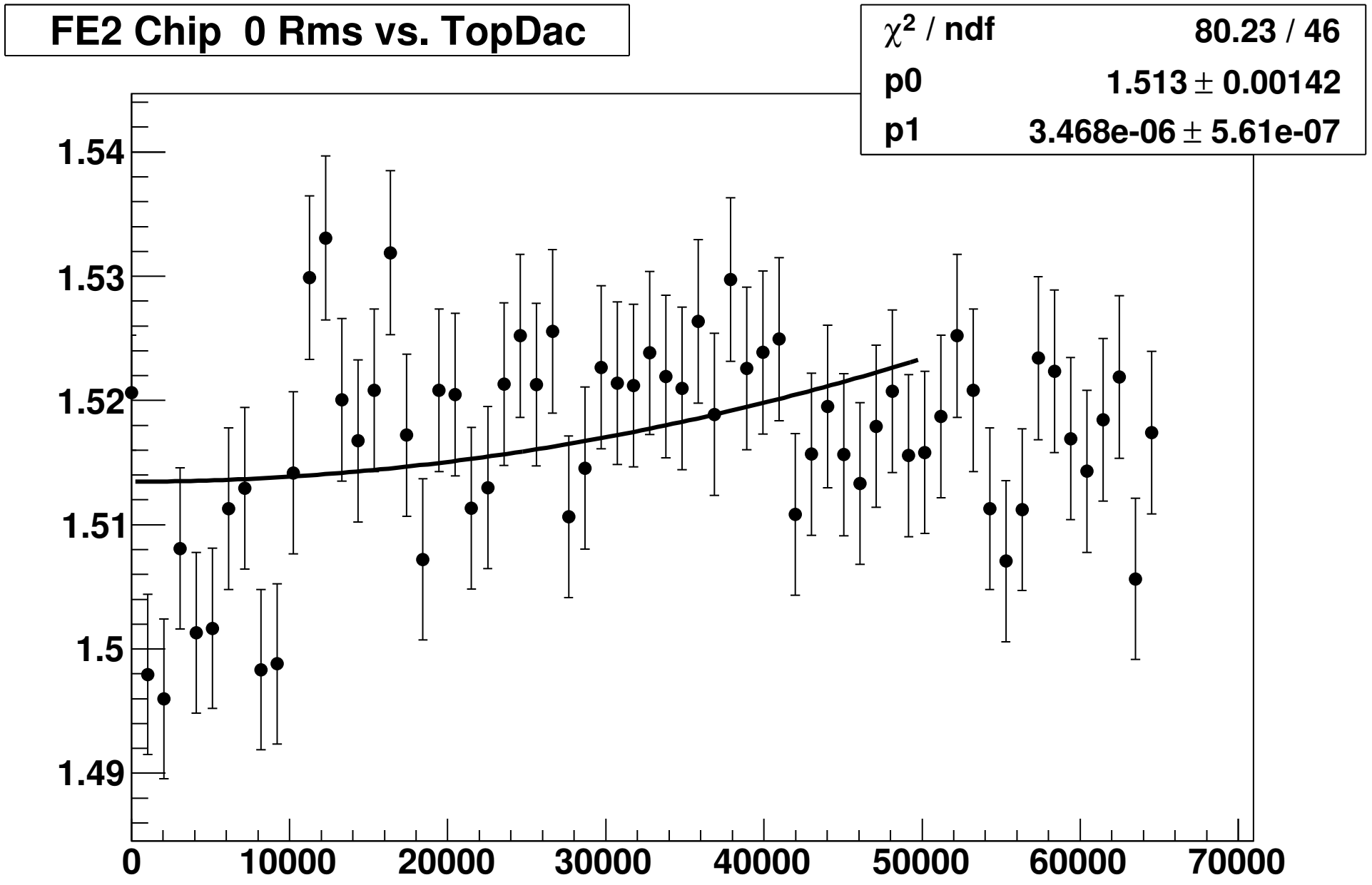

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 4.11e+05 / 46
p0 2.325 ± 0.002757
p1 0.4509 ± 1.101e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

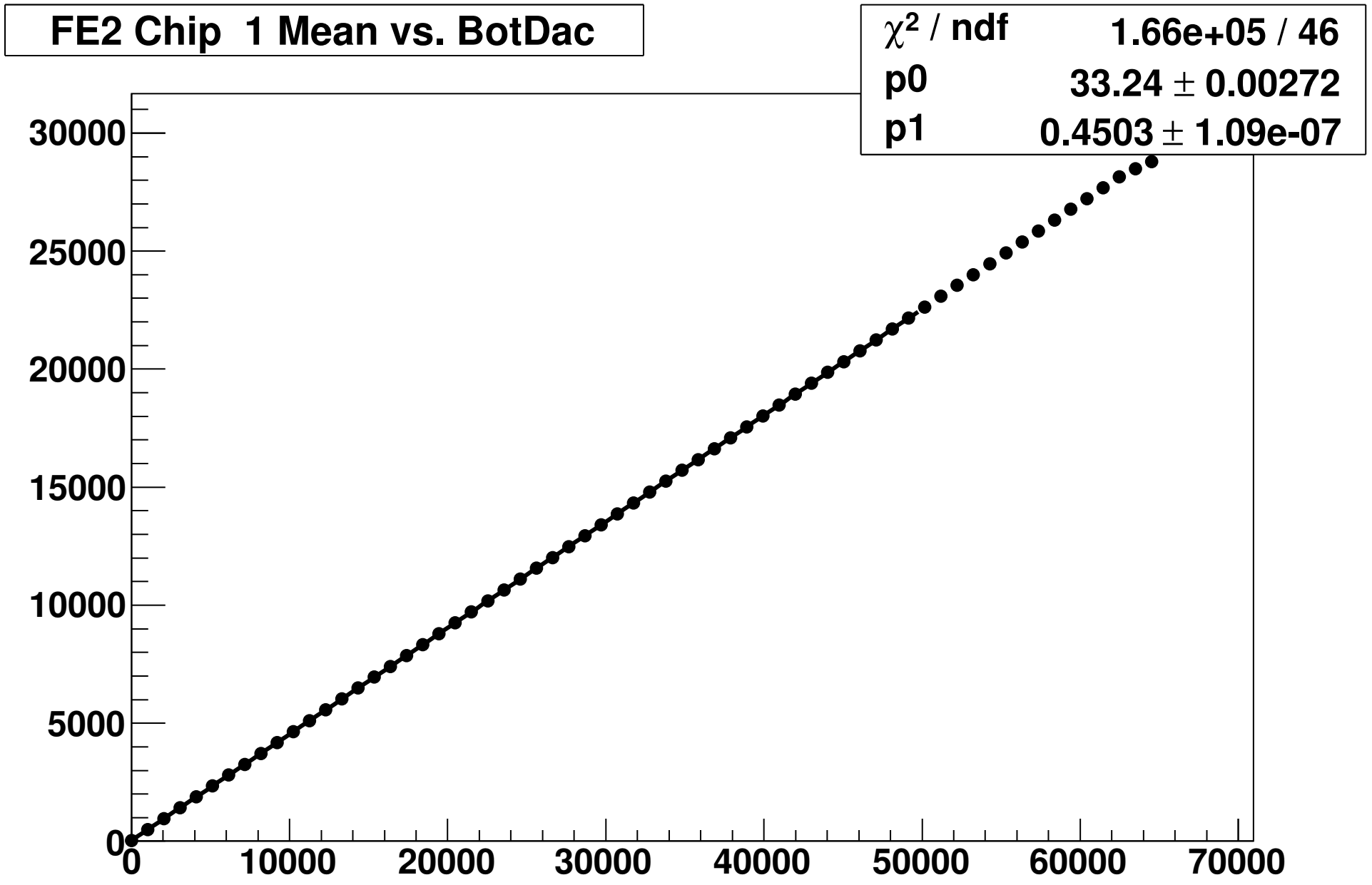

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 2507 / 46
p0 1.4 ± 0.001545
p1 3.616e-05 ± 8.198e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

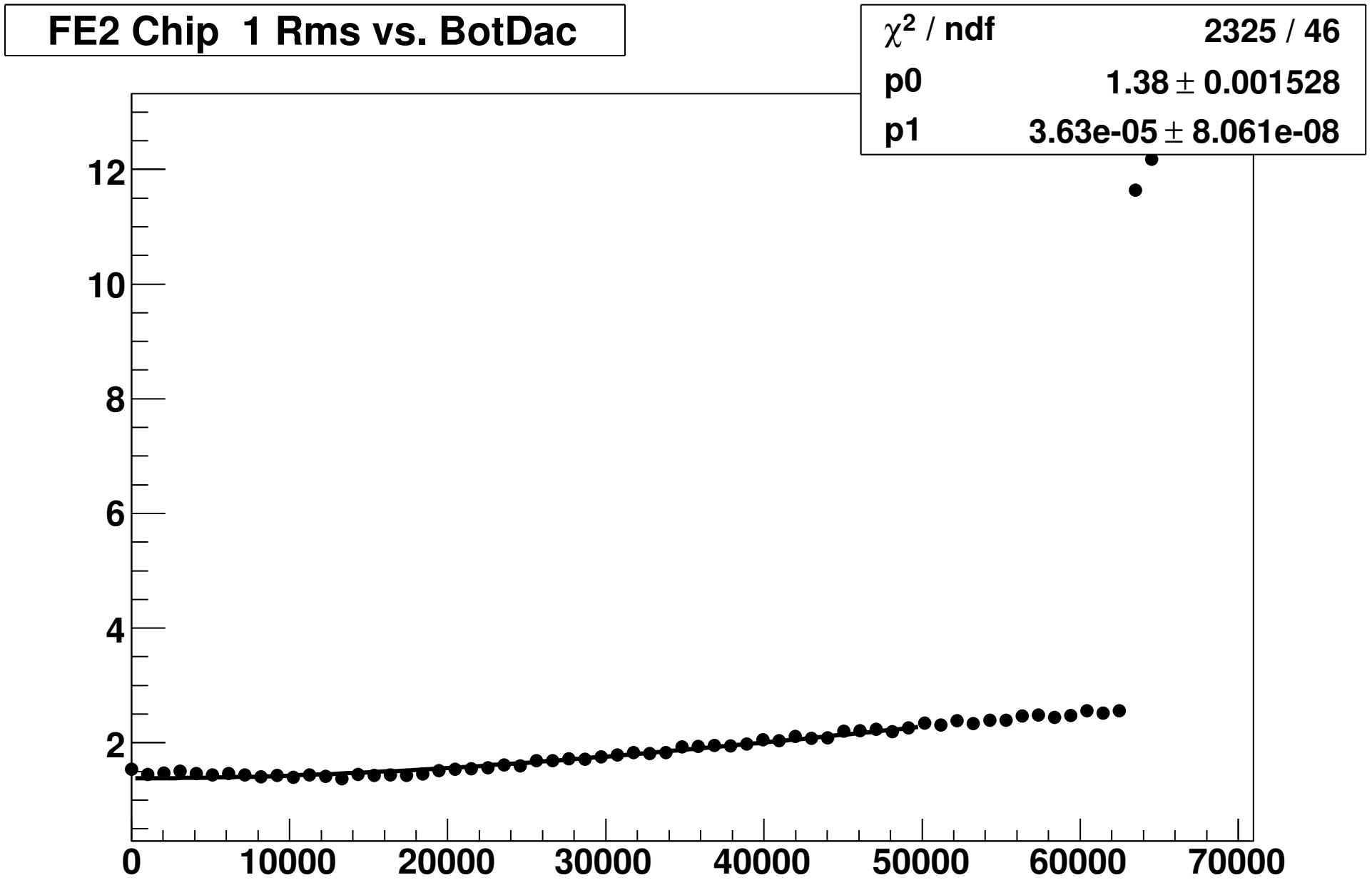

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 2.086e+05 / 46
p0 36.92 ± 0.002753
p1 0.4503 ± 1.104e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

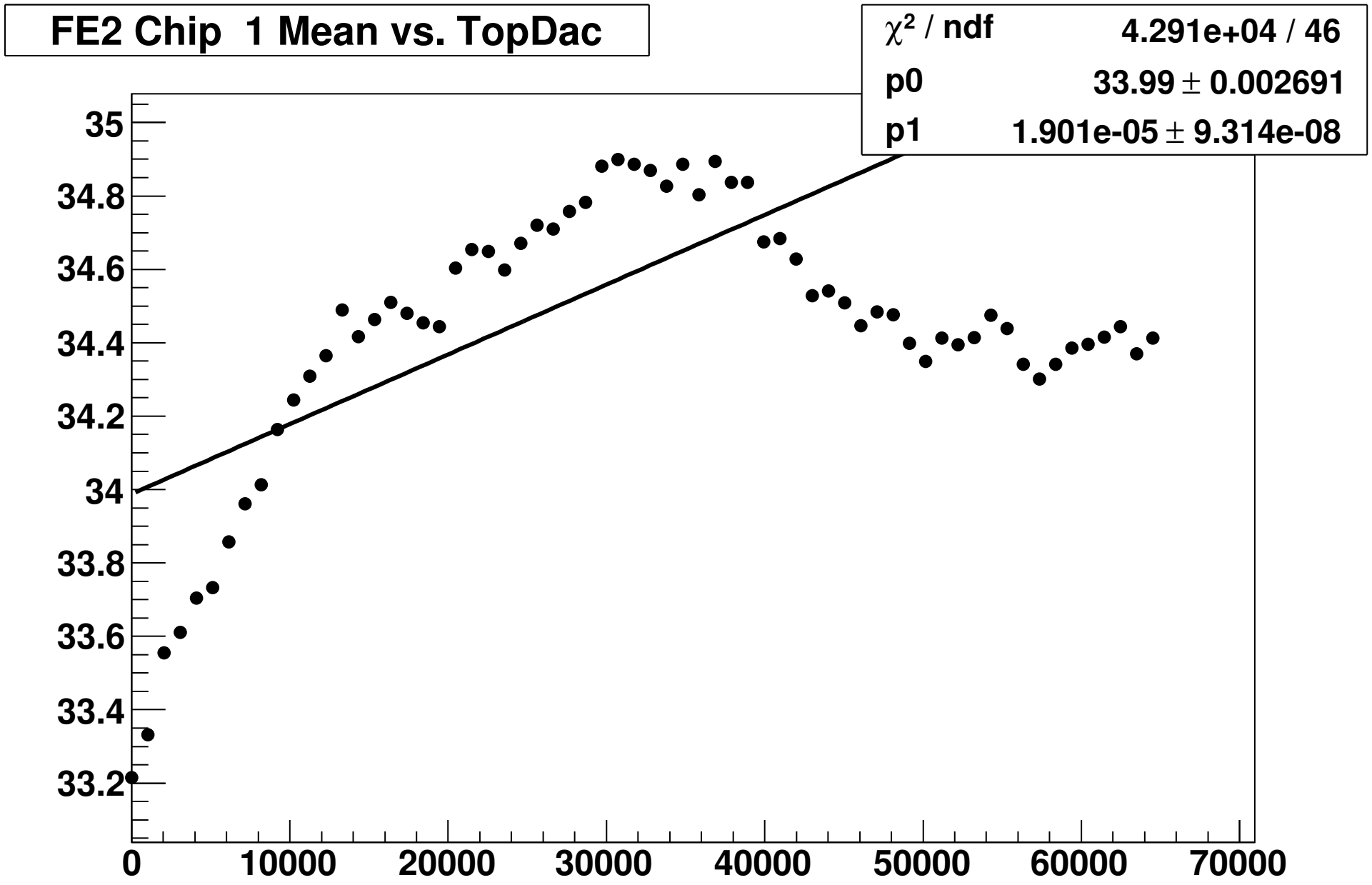

FE2 Chip 0 Rms vs. BotDac
χ² / ndf 5333 / 46
p0 1.393 ± 0.001543
p1 3.661e-05 ± 8.14e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 4.261e+04 / 46
p0 38.35 ± 0.002695
p1 1.924e-05 ± 9.368e-08
39.4
39.2
39
38.8
38.6
38.4
38.2
38
37.8
37.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 80.23 / 46
p0 1.513 ± 0.00142
p1 3.468e-06 ± 5.61e-07
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.66e+05 / 46
p0 33.24 ± 0.00272
p1 0.4503 ± 1.09e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 2325 / 46
p0 1.38 ± 0.001528
p1 3.63e-05 ± 8.061e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 4.291e+04 / 46
p0 33.99 ± 0.002691
p1 1.901e-05 ± 9.314e-08
35
34.8
34.6
34.4
34.2
34
33.8
33.6
33.4
33.2
0
10000
20000
30000
40000
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60000
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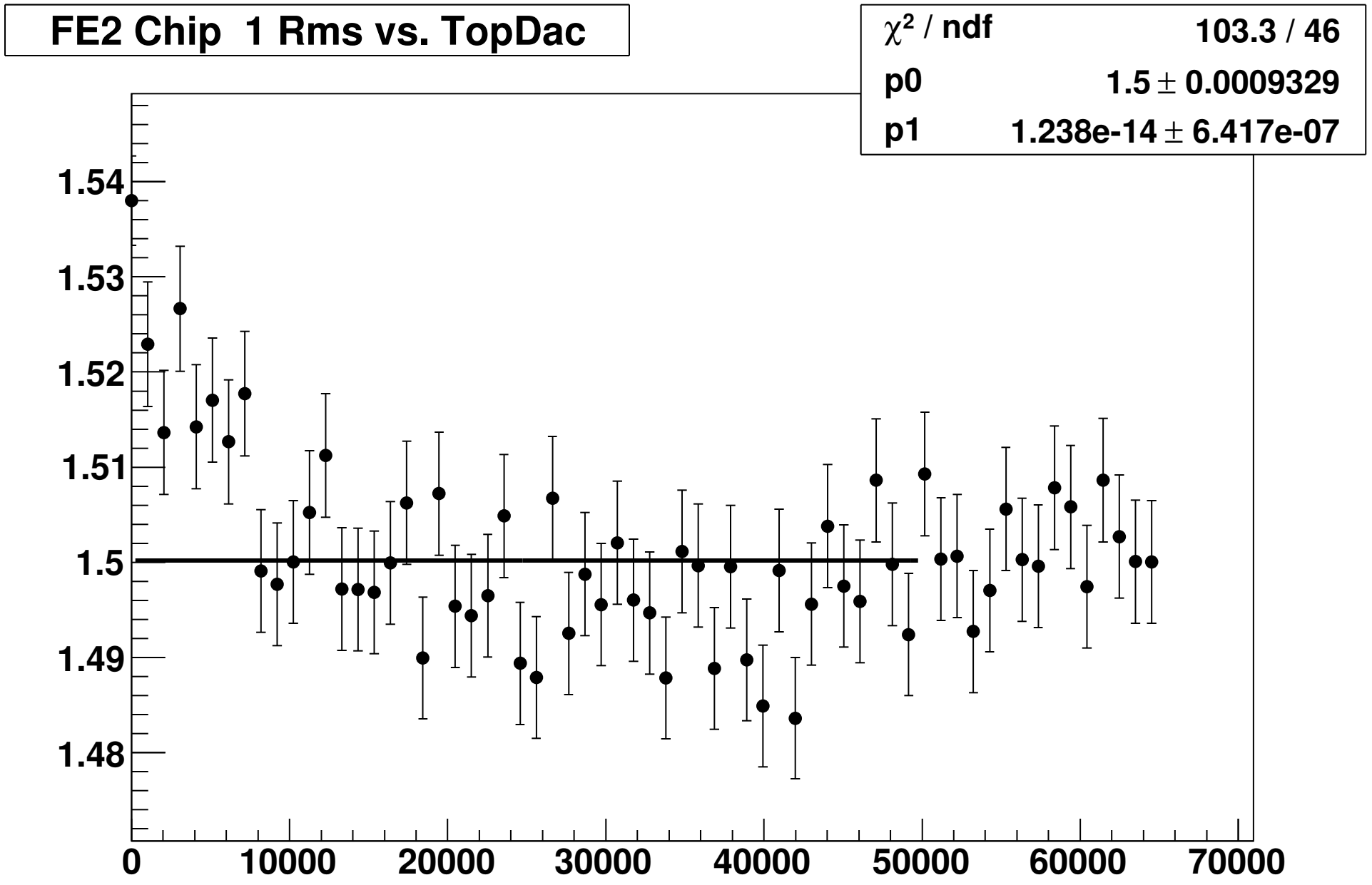
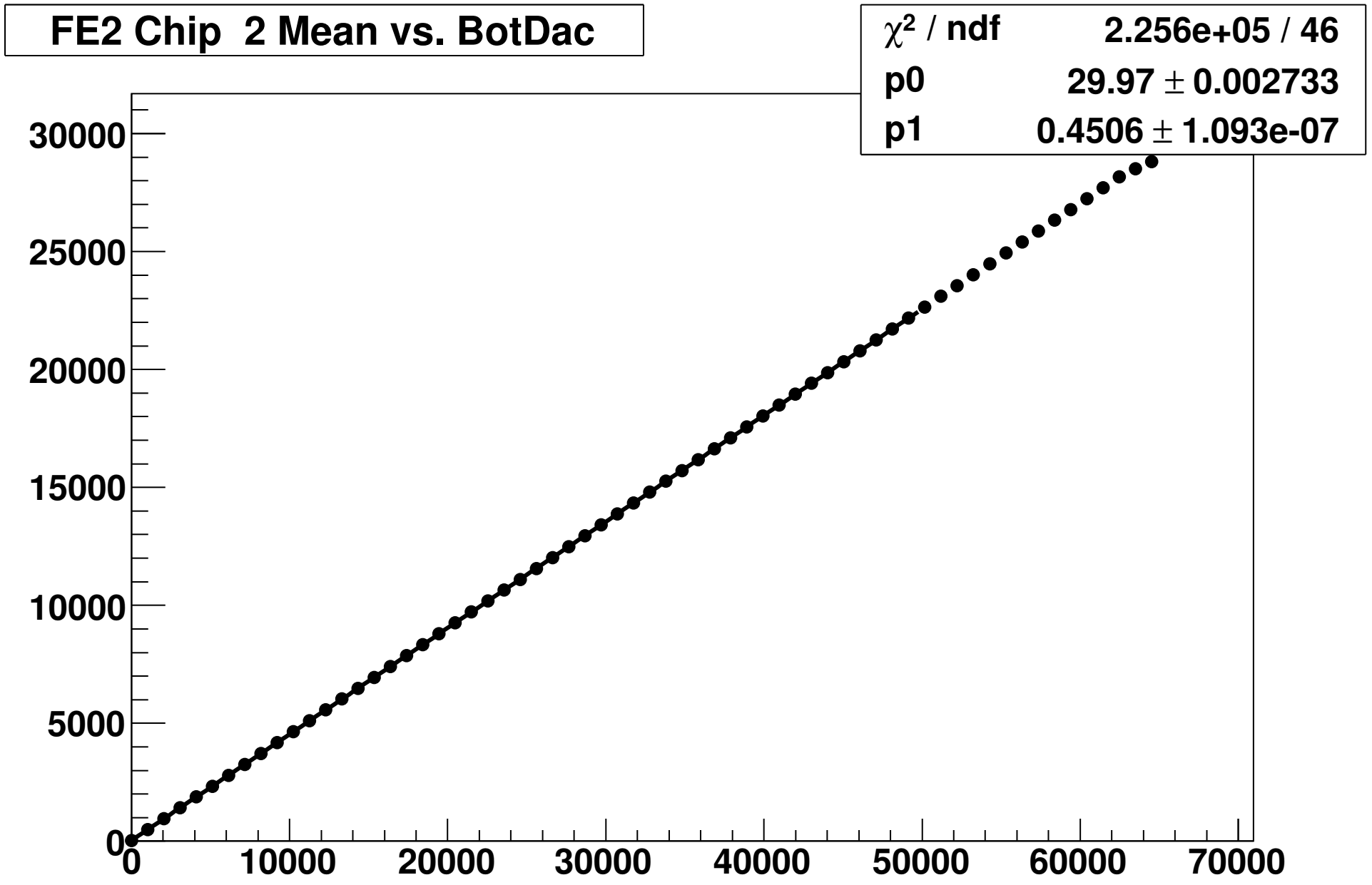
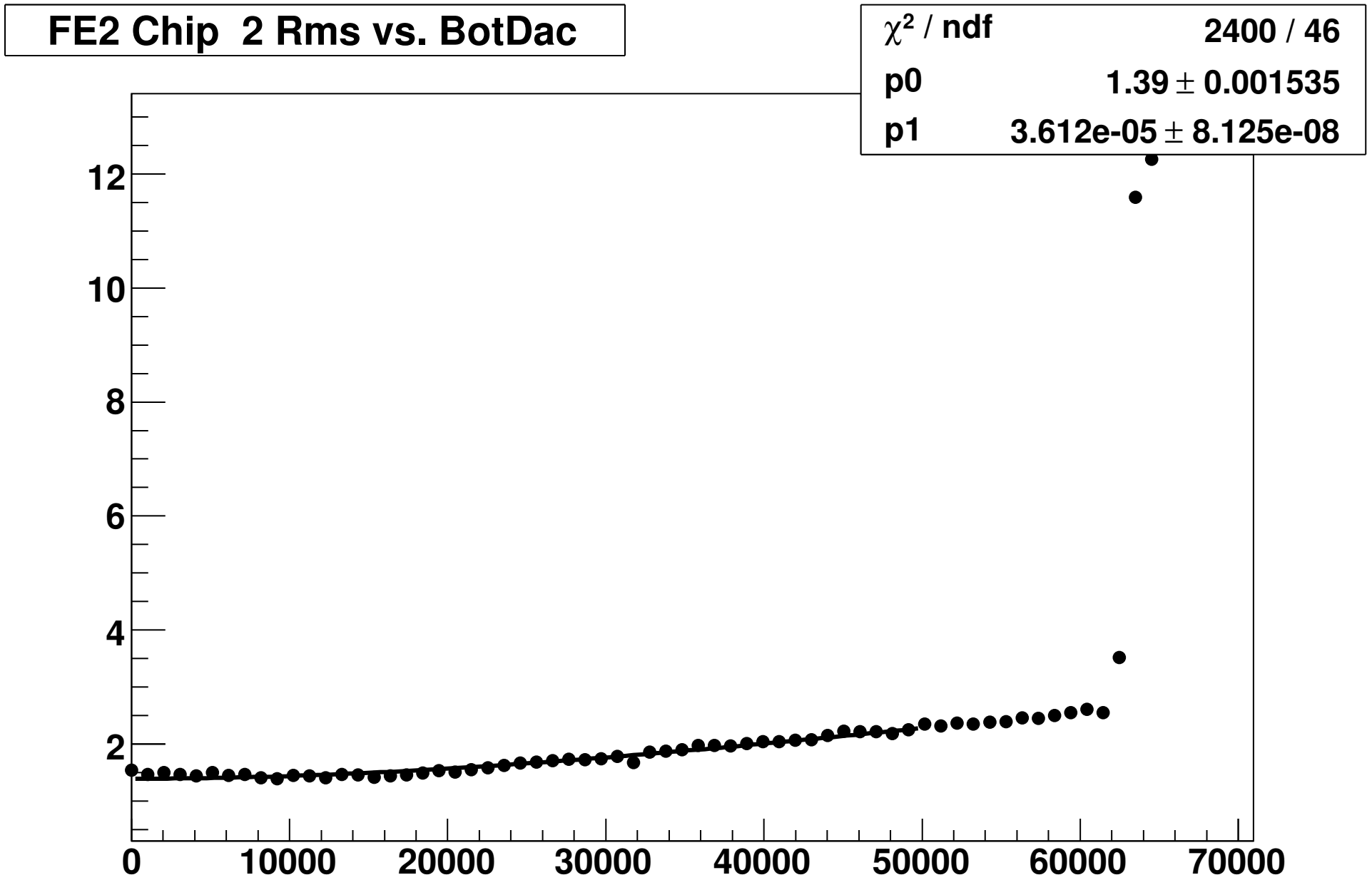

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 103.3 / 46
p0 1.5 ± 0.0009329
p1 1.238e-14 ± 6.417e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 2.256e+05 / 46
p0 29.97 ± 0.002733
p1 0.4506 ± 1.093e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 2400 / 46
p0 1.39 ± 0.001535
p1 3.612e-05 ± 8.125e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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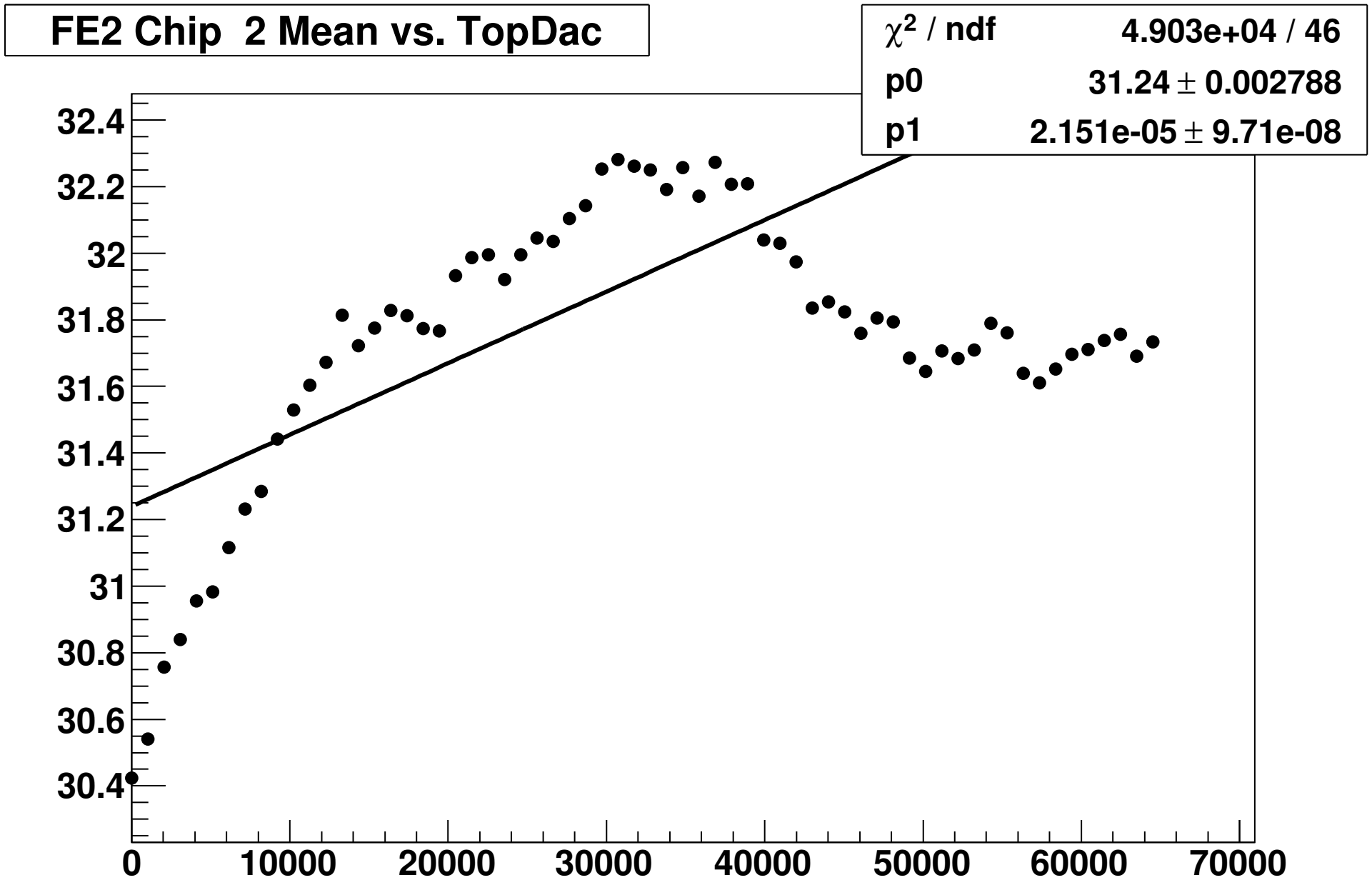
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 4.903e+04 / 46
p0 31.24 ± 0.002788
p1 2.151e-05 ± 9.71e-08
32.4
32.2
32
31.8
31.6
31.4
31.2
31
30.8
30.6
30.4
0
10000
20000
30000
40000
50000
60000
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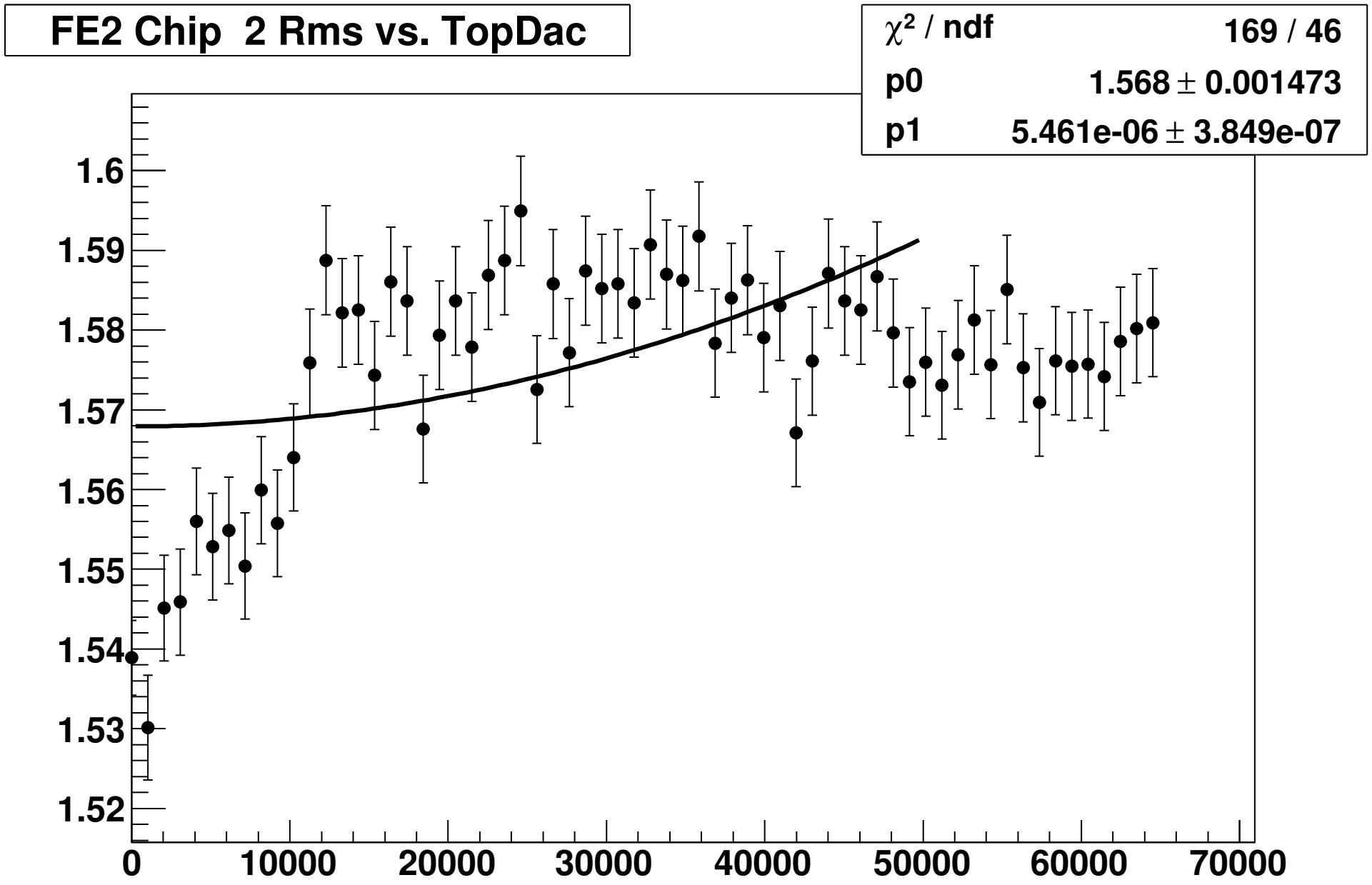
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 169 / 46
p0 1.568 ± 0.001473
p1 5.461e-06 ± 3.849e-07
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
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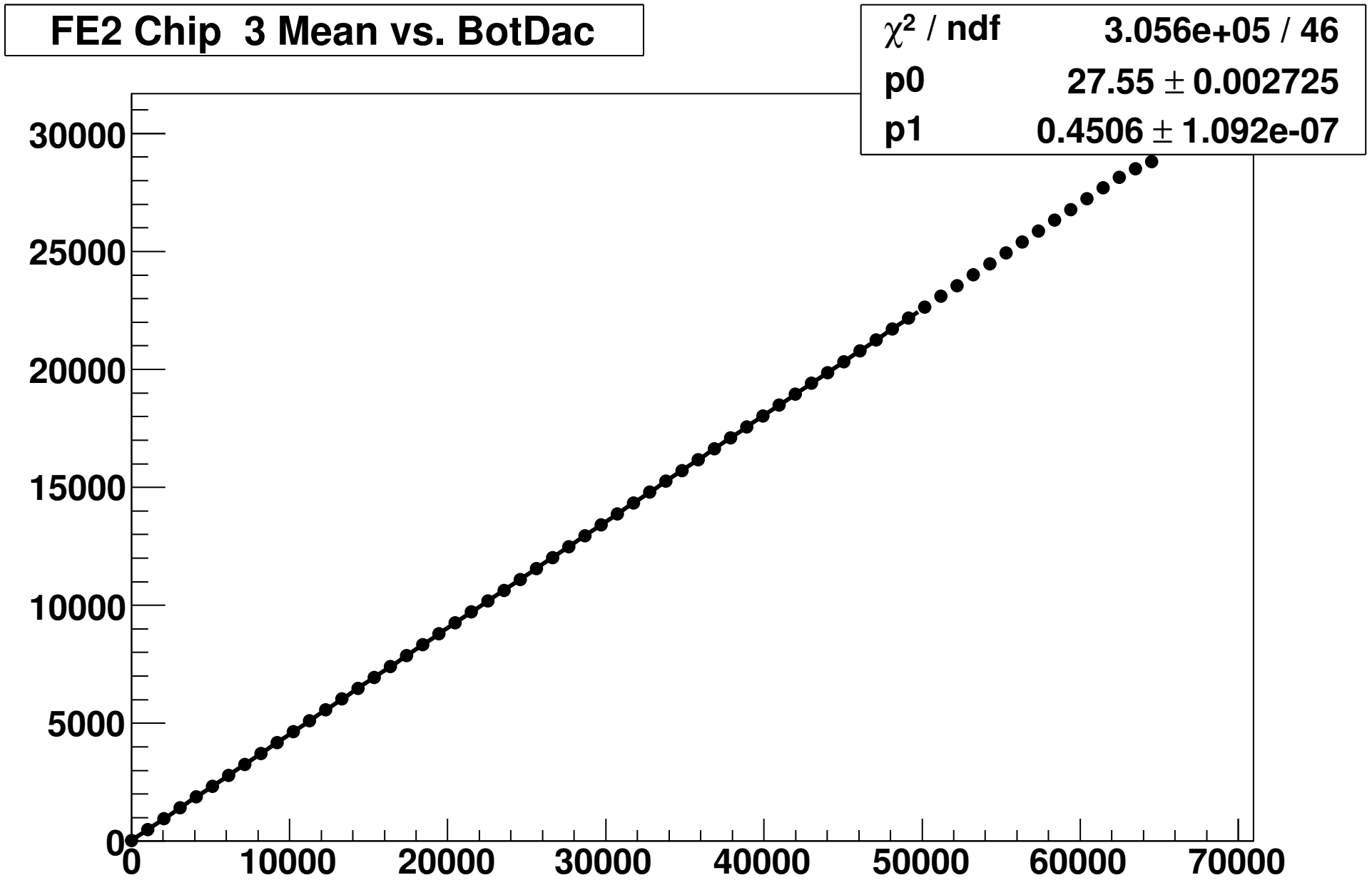
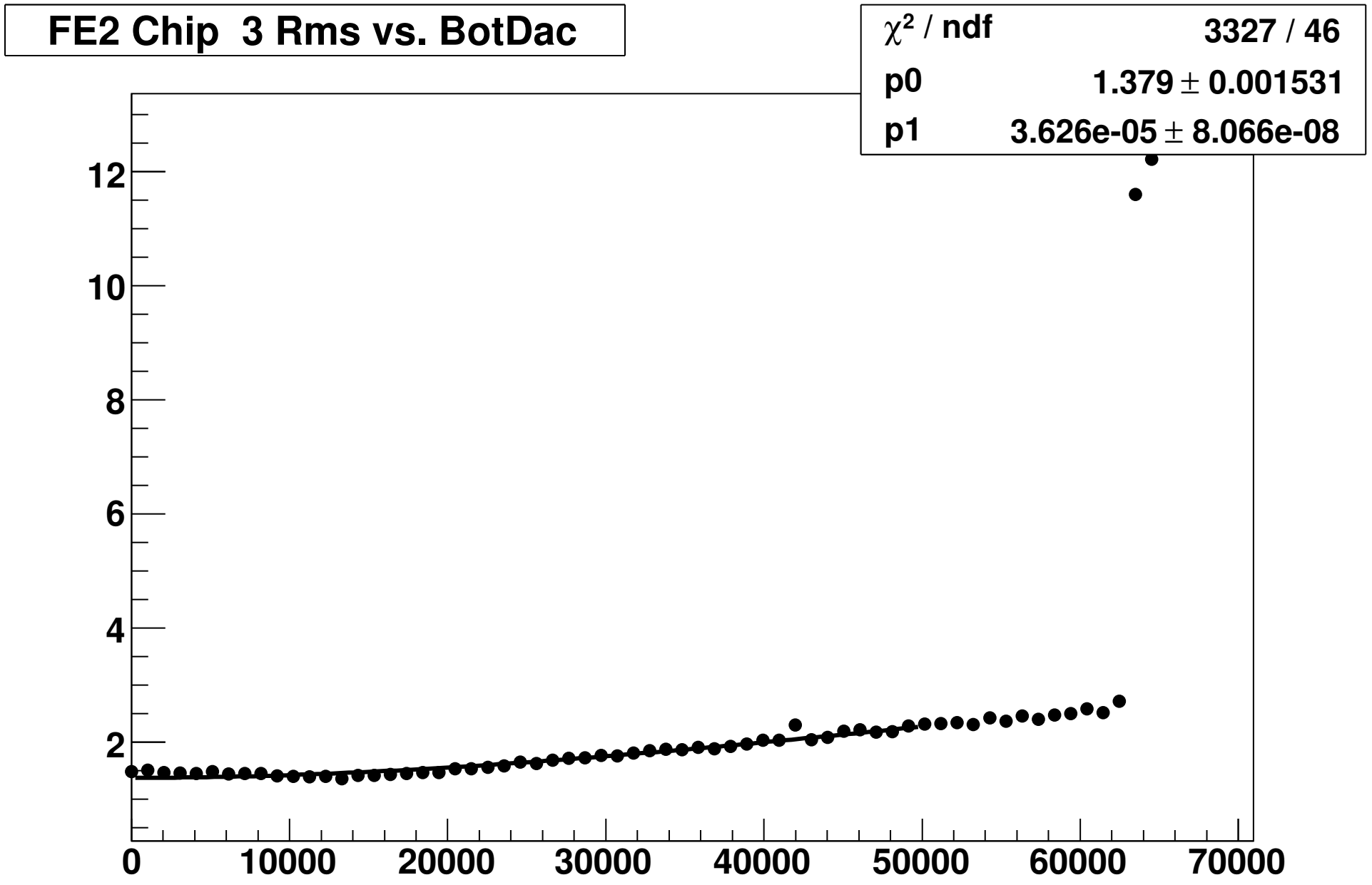

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 3.056e+05 / 46
p0 27.55 ± 0.002725
p1 0.4506 ± 1.092e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 3327 / 46
p0 1.379 ± 0.001531
p1 3.626e-05 ± 8.066e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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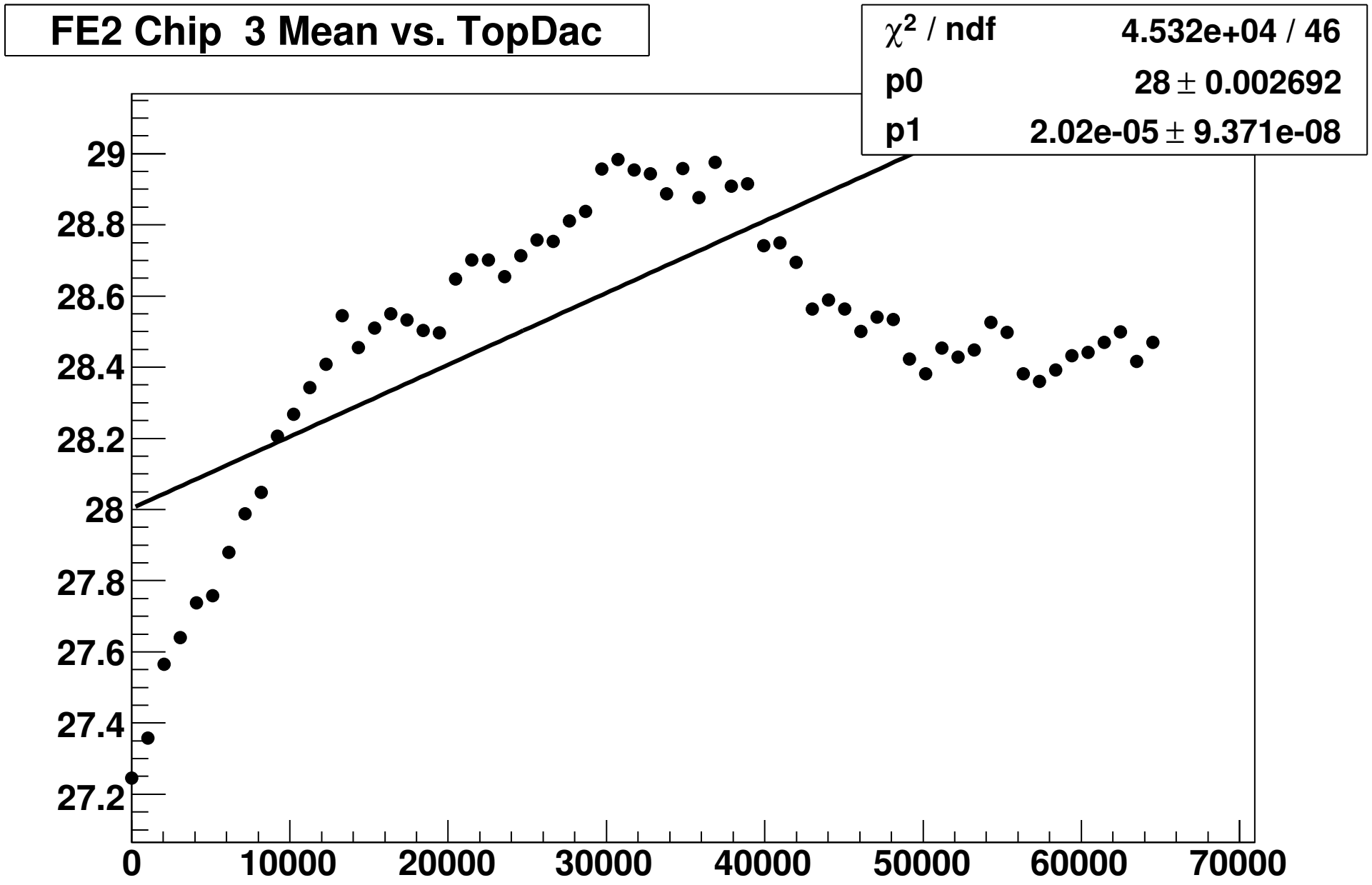
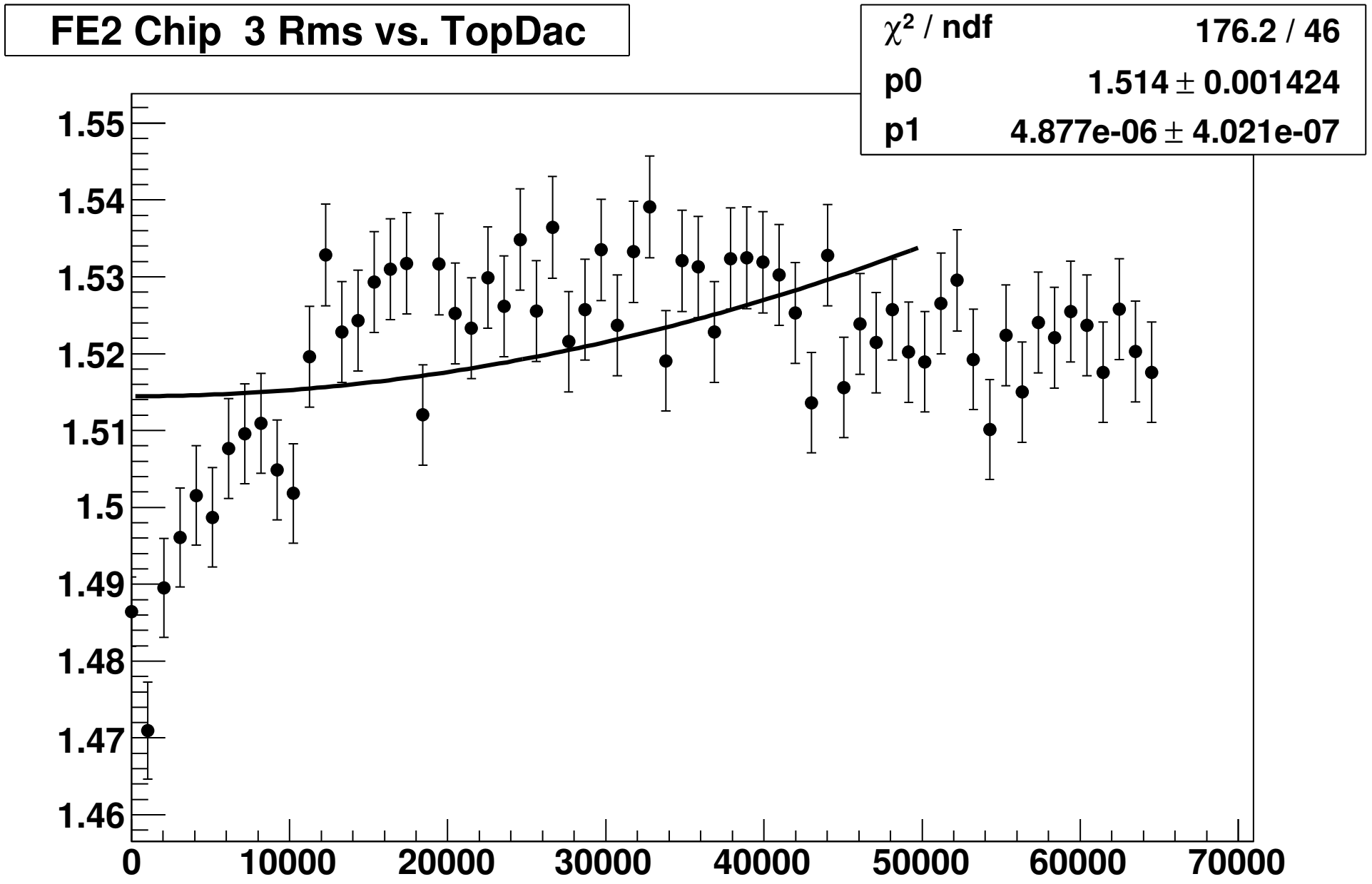
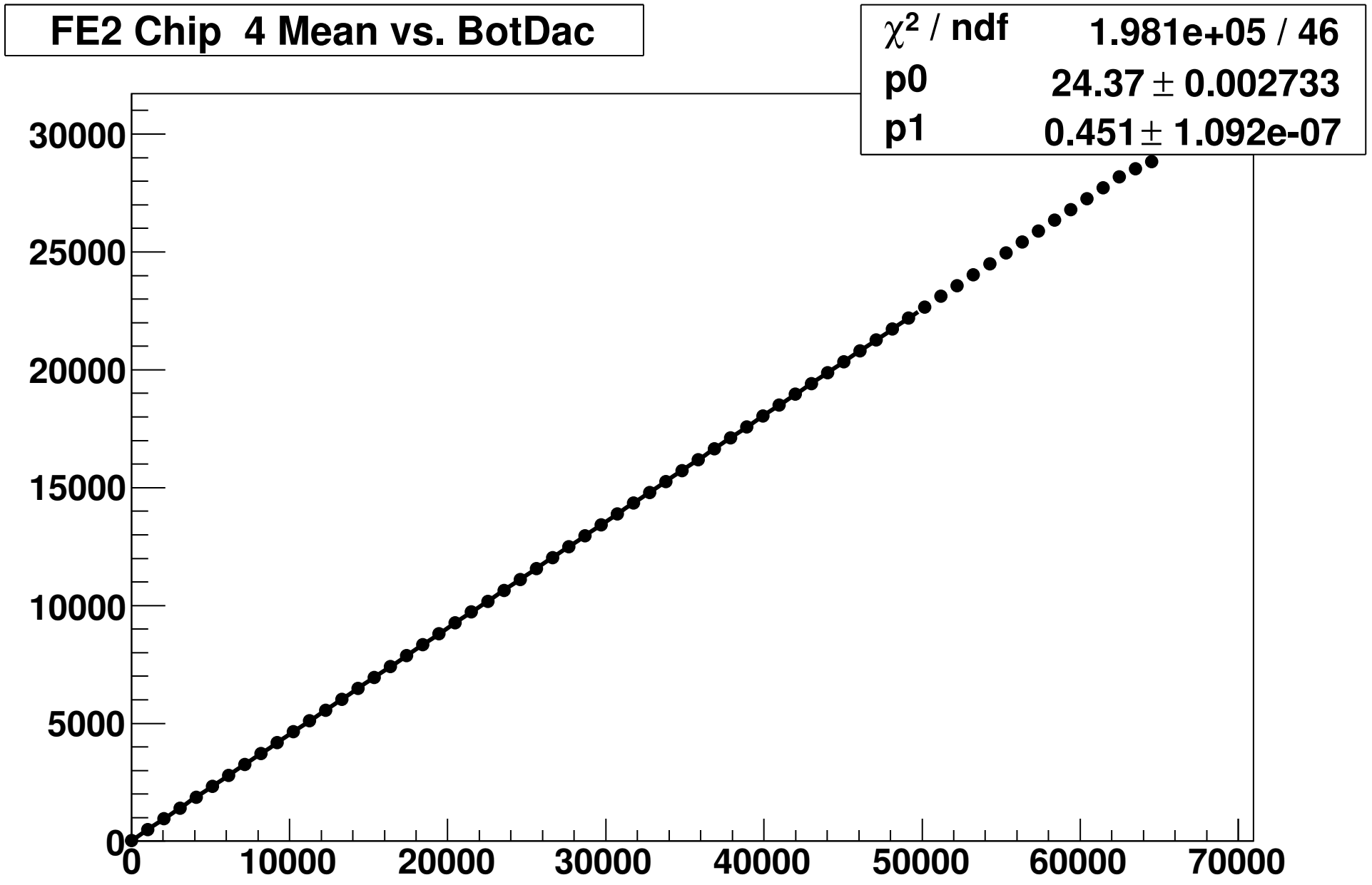
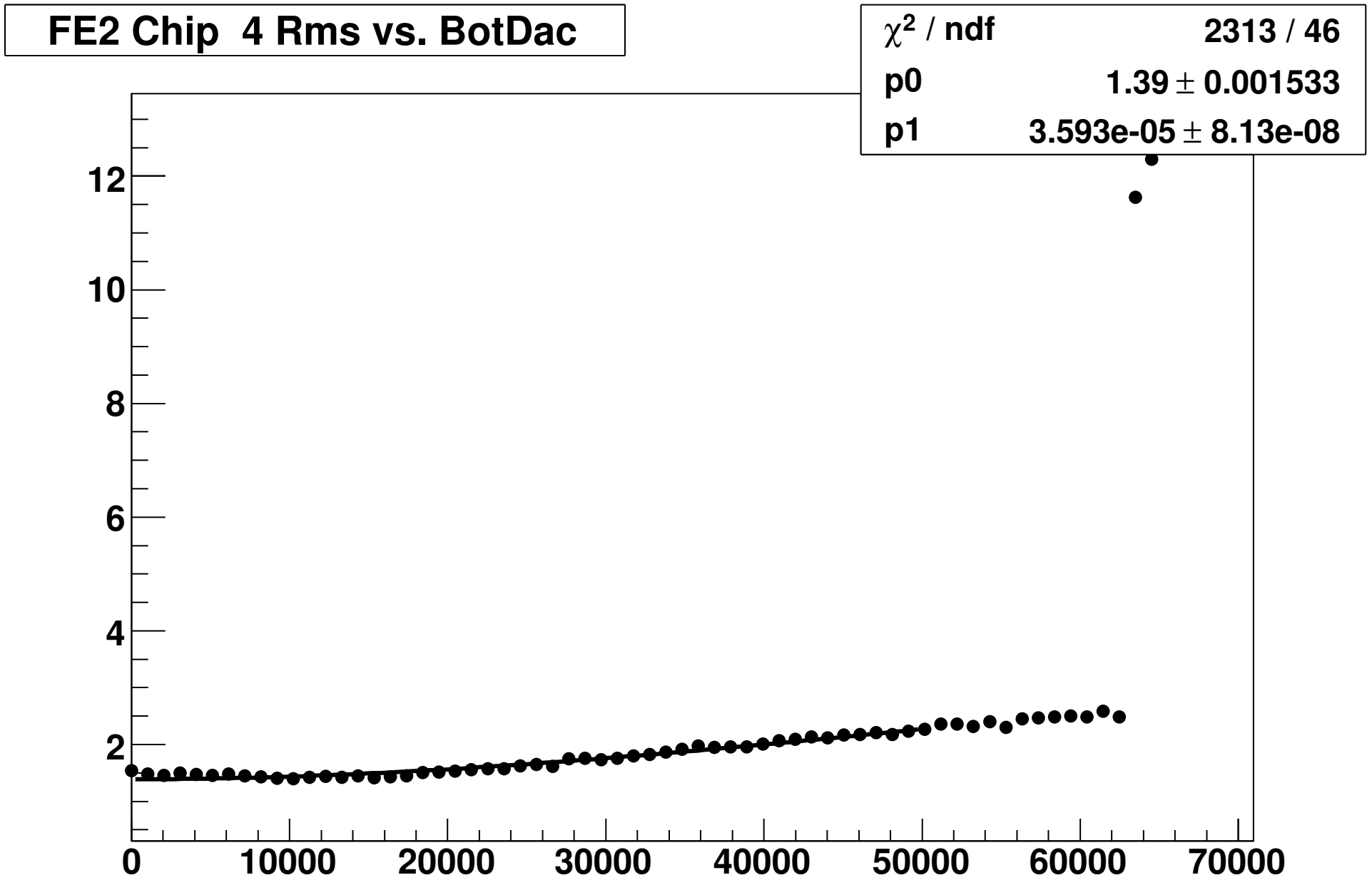
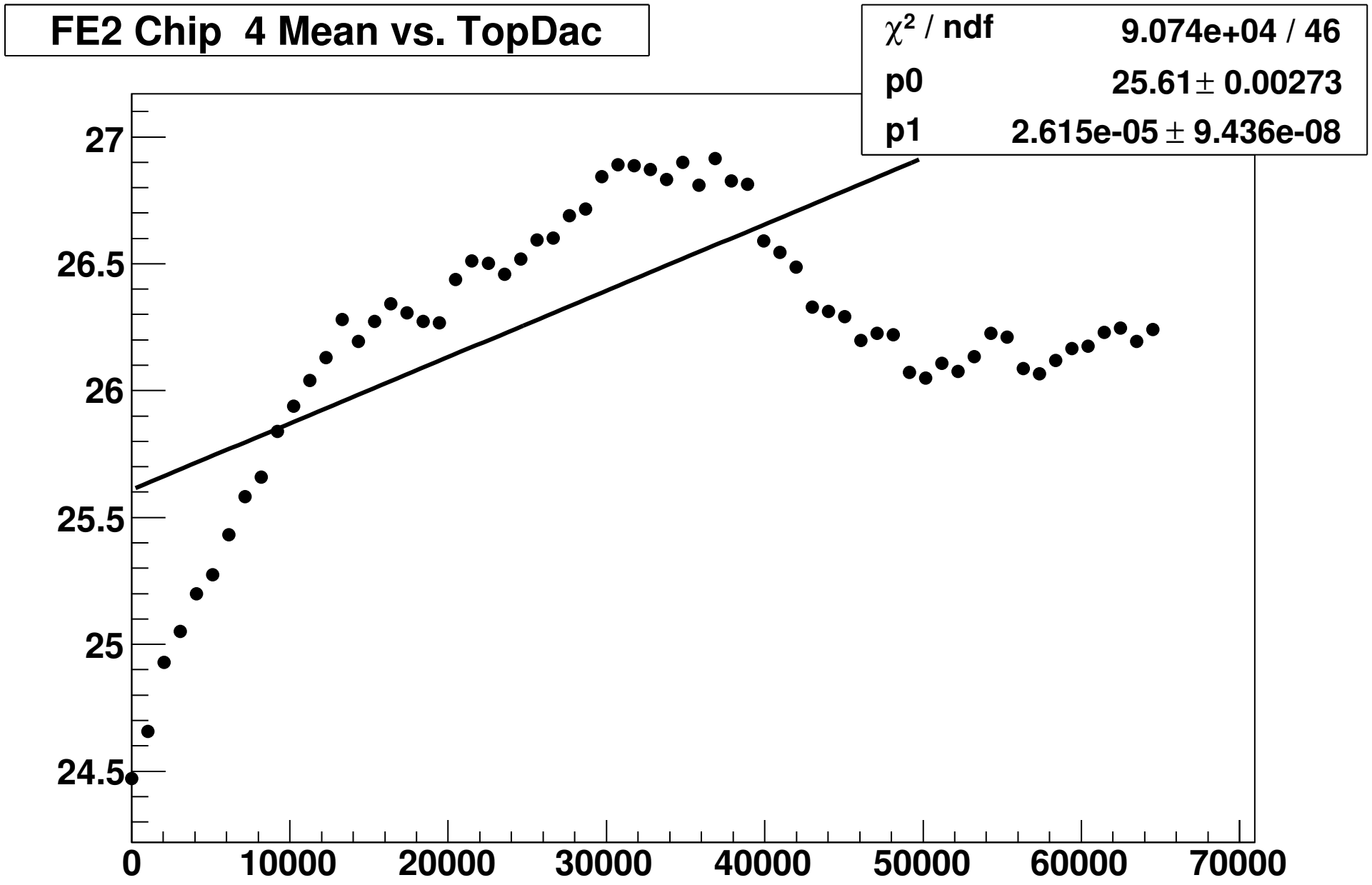
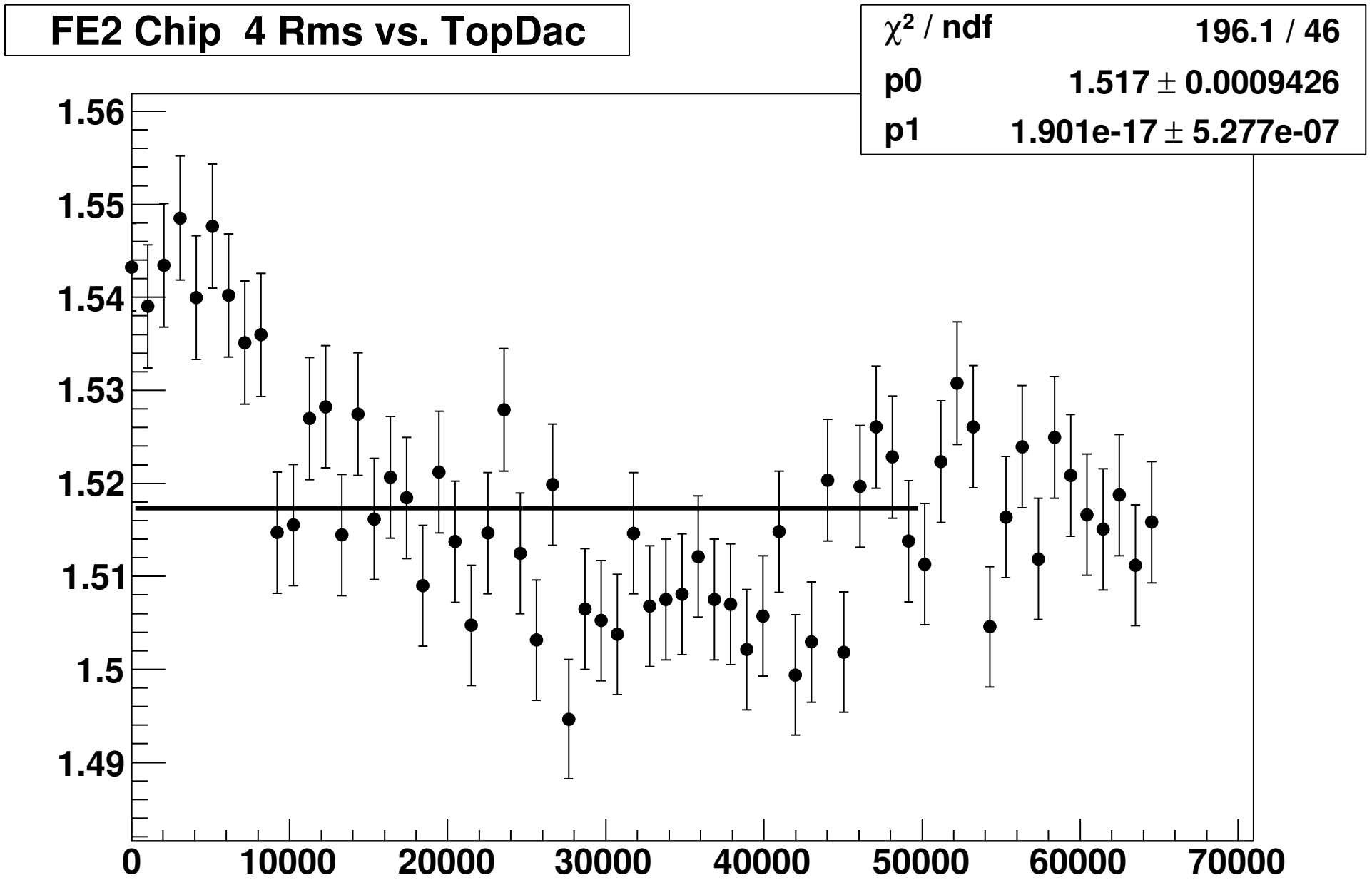

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 4.532e+04 / 46
p0 28 ± 0.002692
p1 2.02e-05 ± 9.371e-08
29
28.8
28.6
28.4
28.2
28
27.8
27.6
27.4
27.2
0
10000
20000
30000
40000
50000
60000
70000

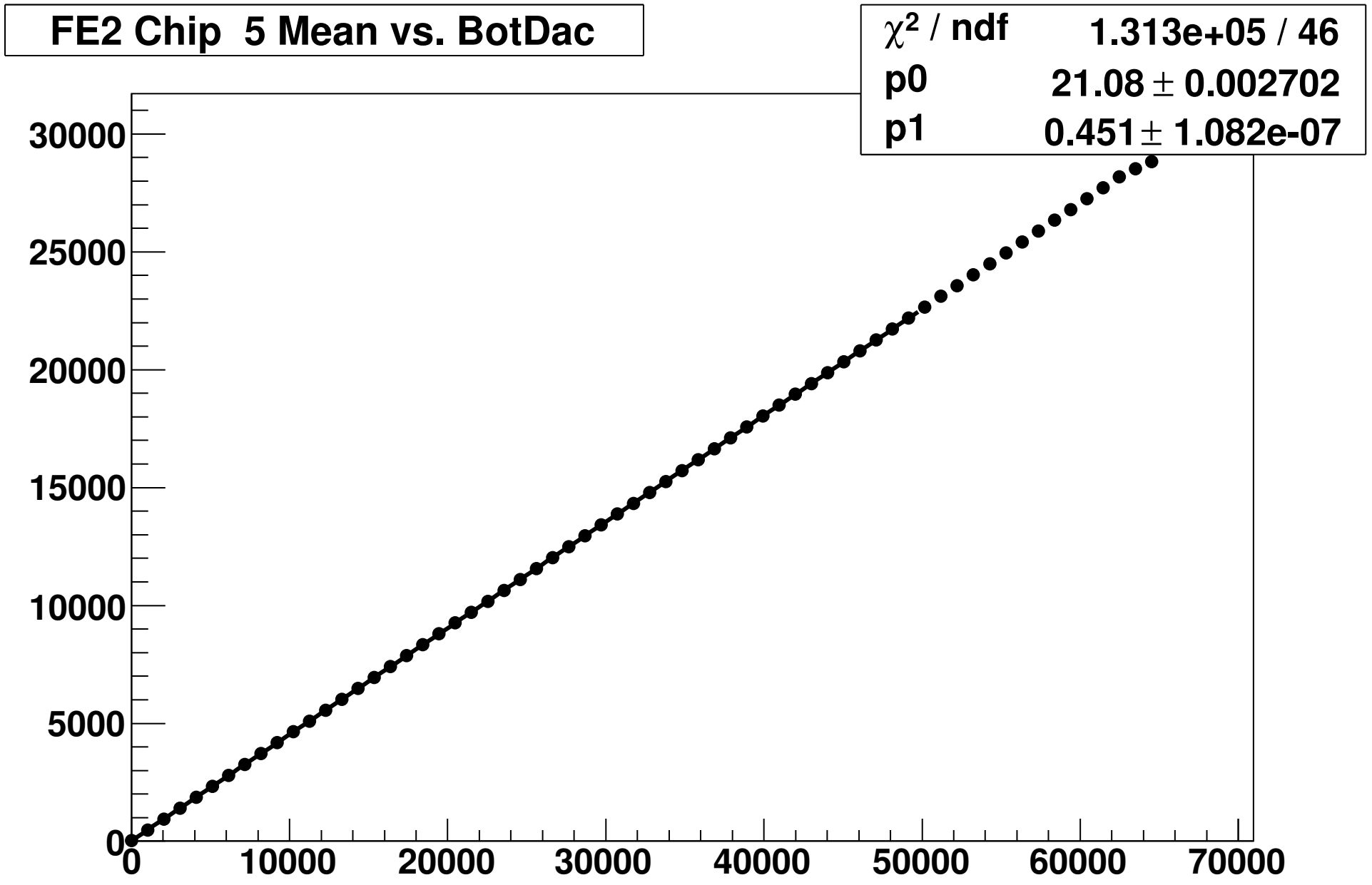

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 176.2 / 46
p0 1.514 ± 0.001424
p1 4.877e-06 ± 4.021e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

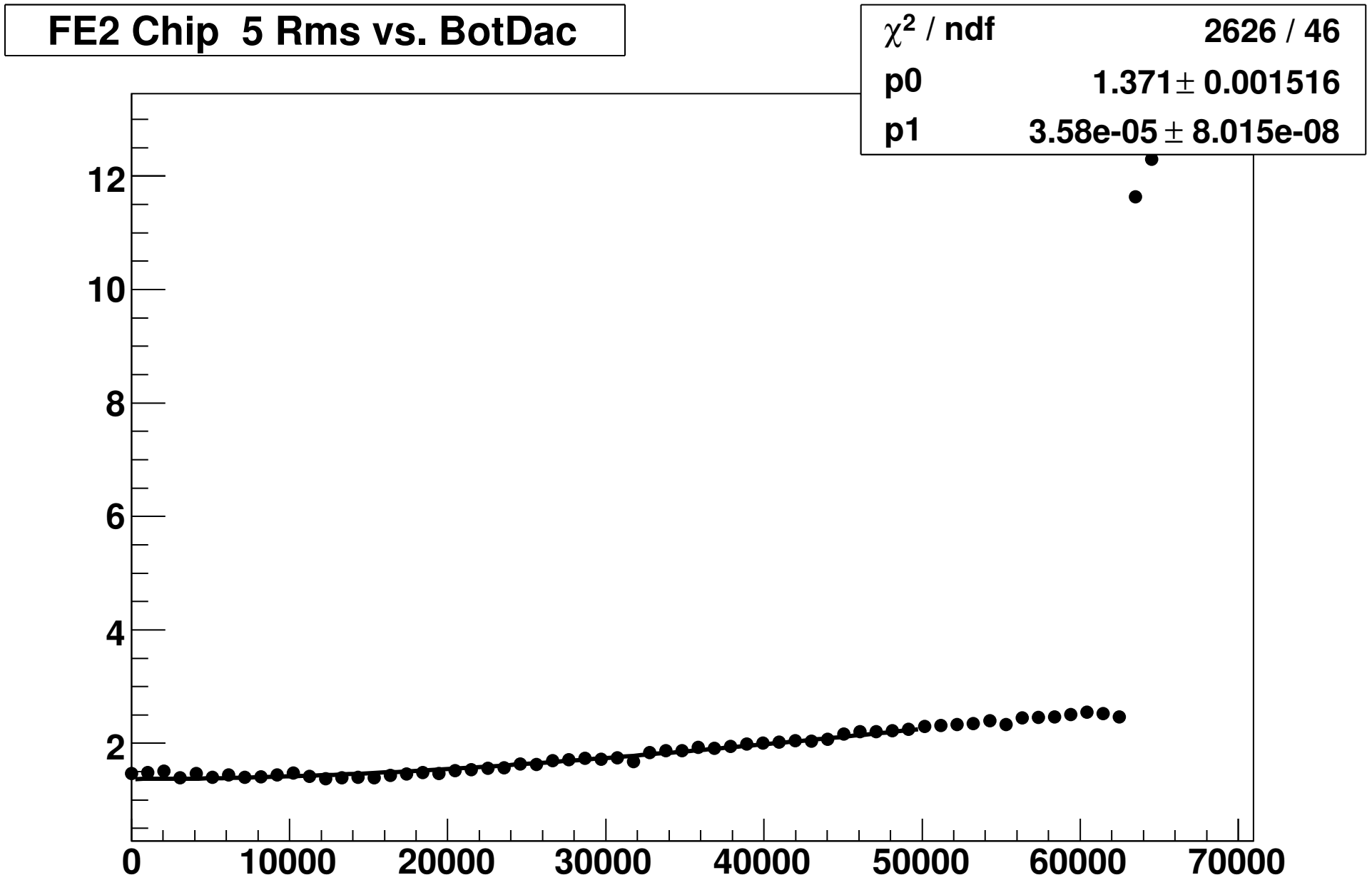

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.981e+05 / 46
p0 24.37 ± 0.002733
p1 0.451 ± 1.092e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

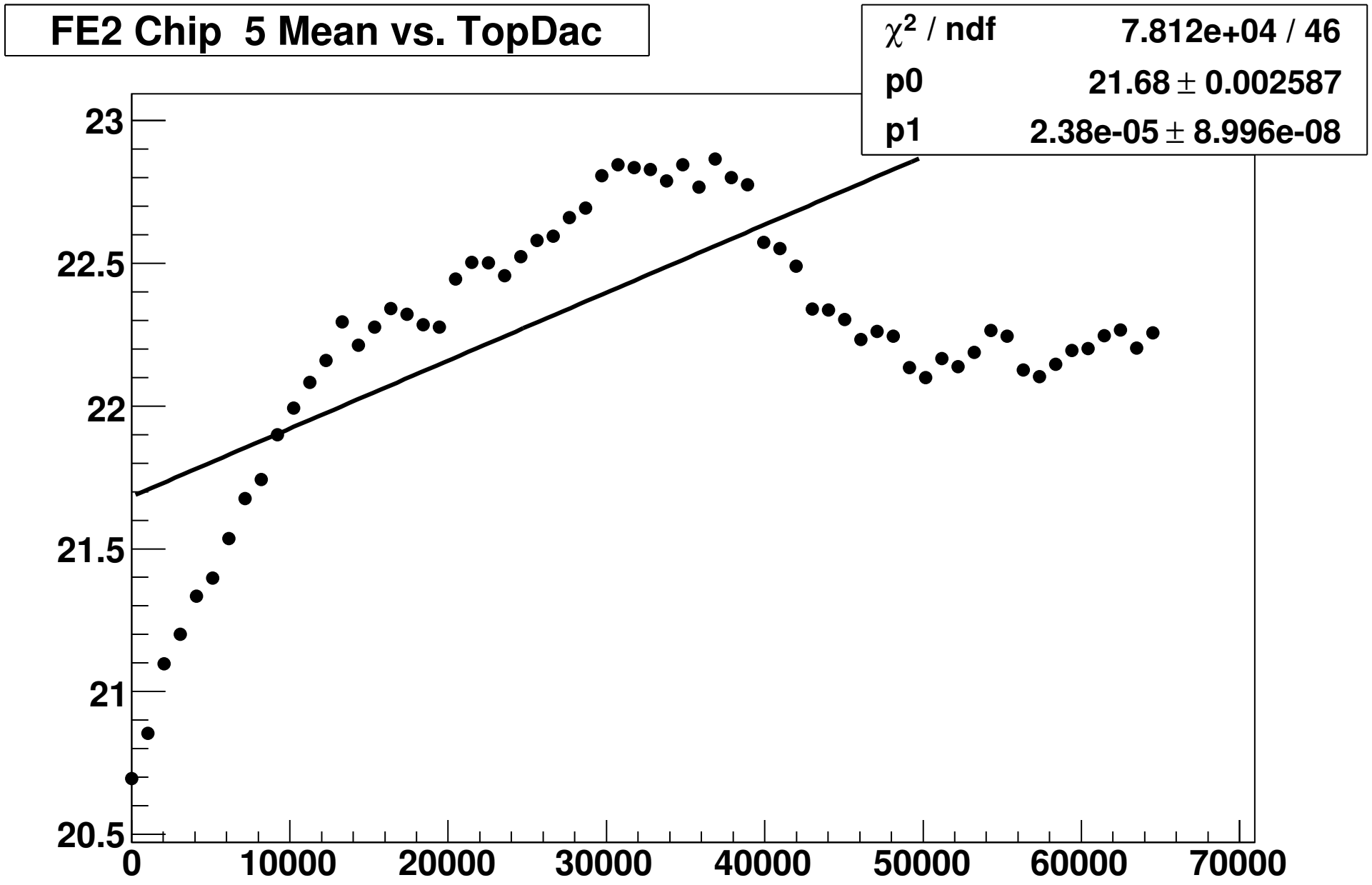

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 2313 / 46
p0 1.39 ± 0.001533
p1 3.593e-05 ± 8.13e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

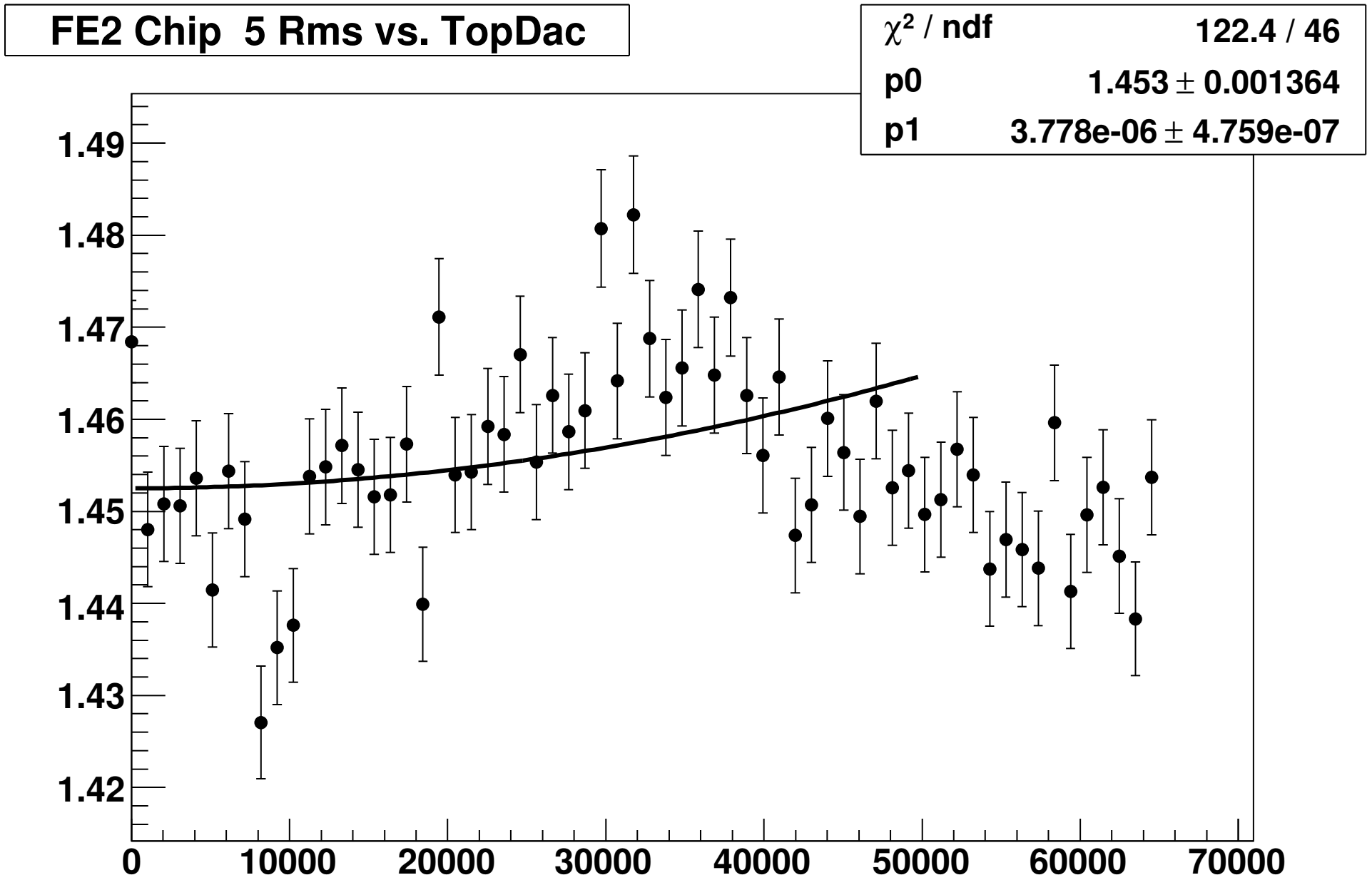

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 9.074e+04 / 46
p0 25.61 ± 0.00273
p1 2.615e-05 ± 9.436e-08
27
26.5
26
25.5
25
24.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 196.1 / 46
p0 1.517 ± 0.0009426
p1 1.901e-17 ± 5.277e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.313e+05 / 46
p0 21.08 ± 0.002702
p1 0.451 ± 1.082e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 2626 / 46
p0 1.371 ± 0.001516
p1 3.58e-05 ± 8.015e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 7.812e+04 / 46
p0 21.68 ± 0.002587
p1 2.38e-05 ± 8.996e-08
23
22.5
22
21.5
21
20.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 122.4 / 46
p0 1.453 ± 0.001364
p1 3.778e-06 ± 4.759e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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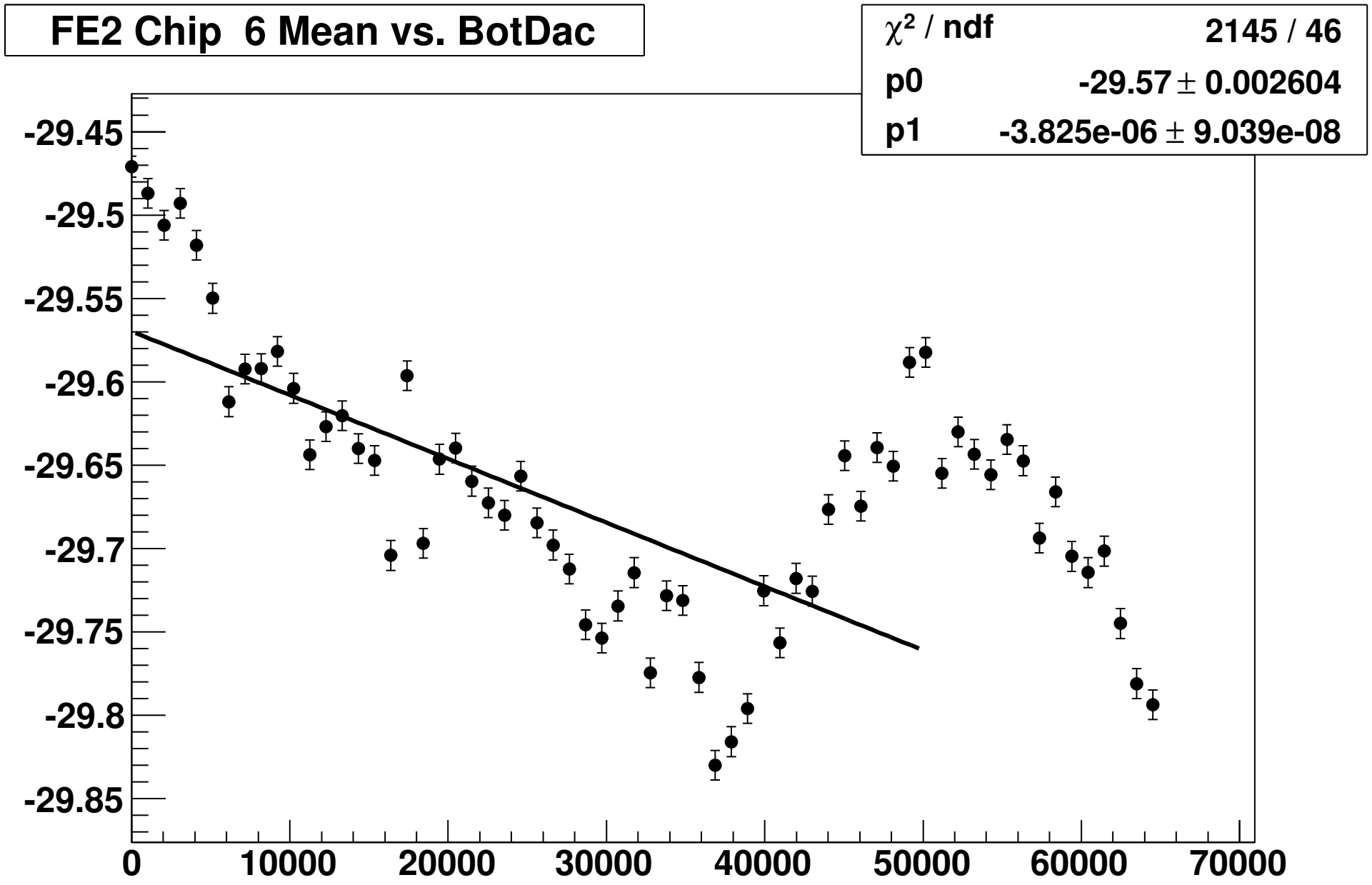
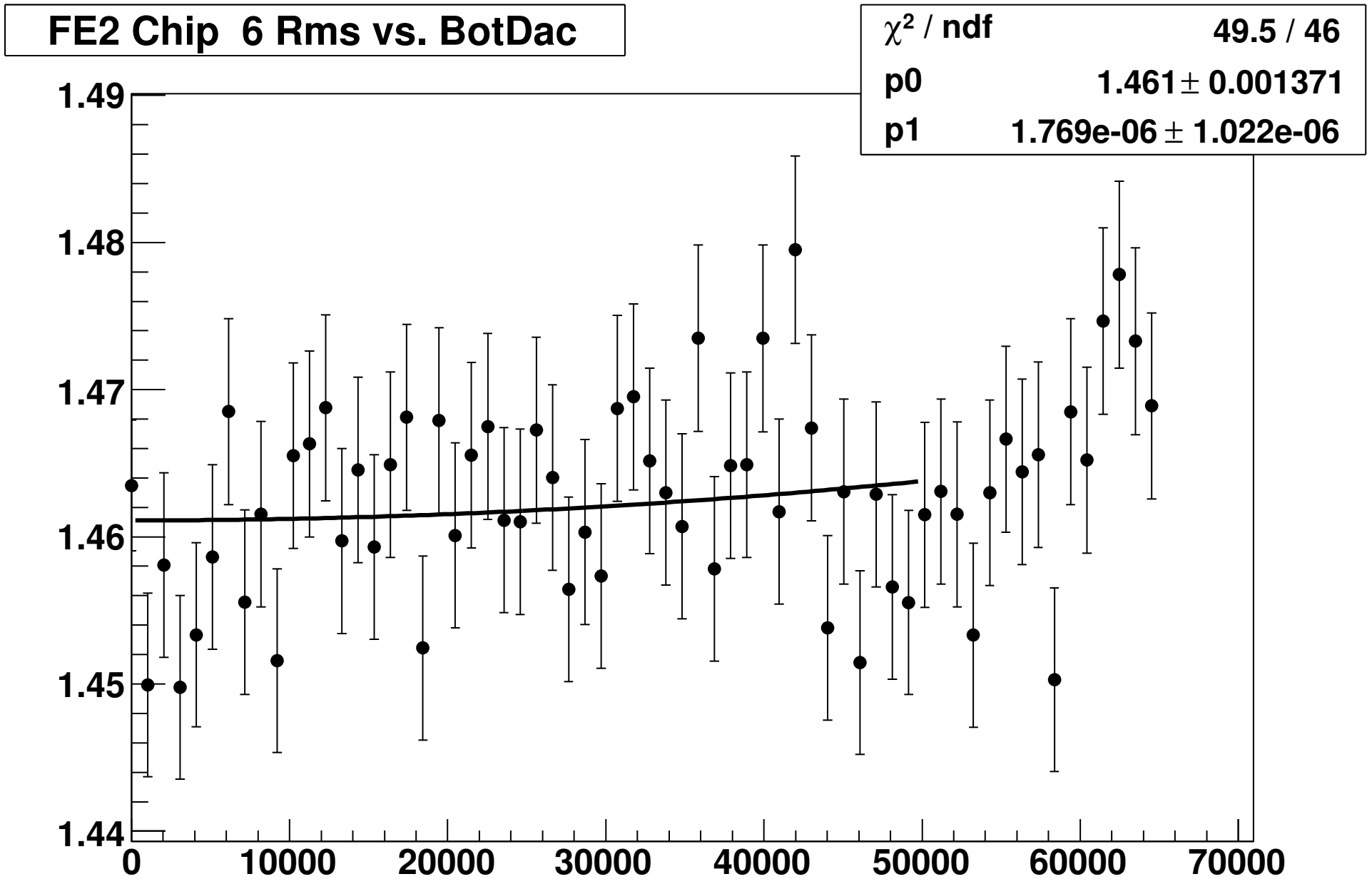
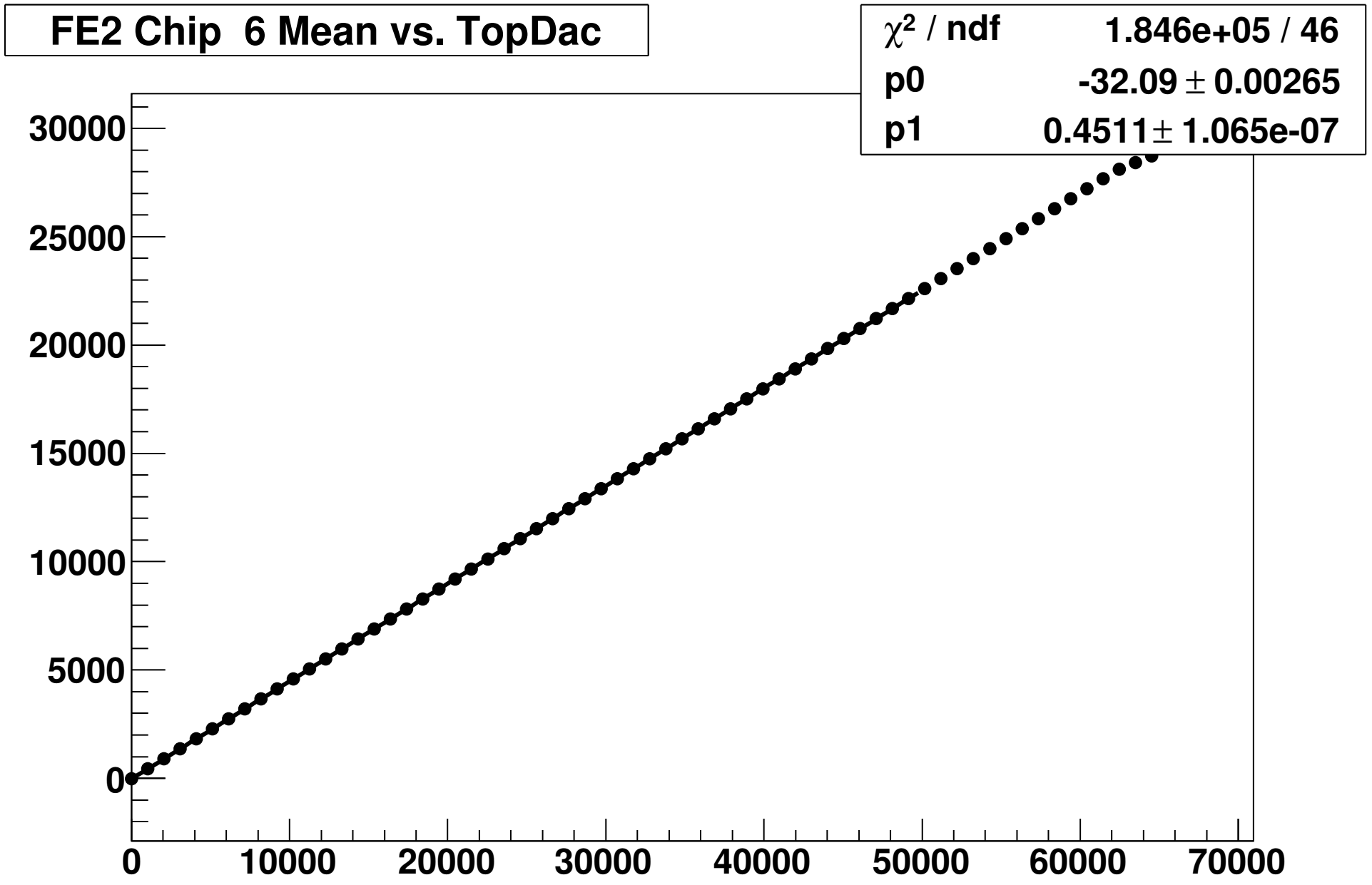
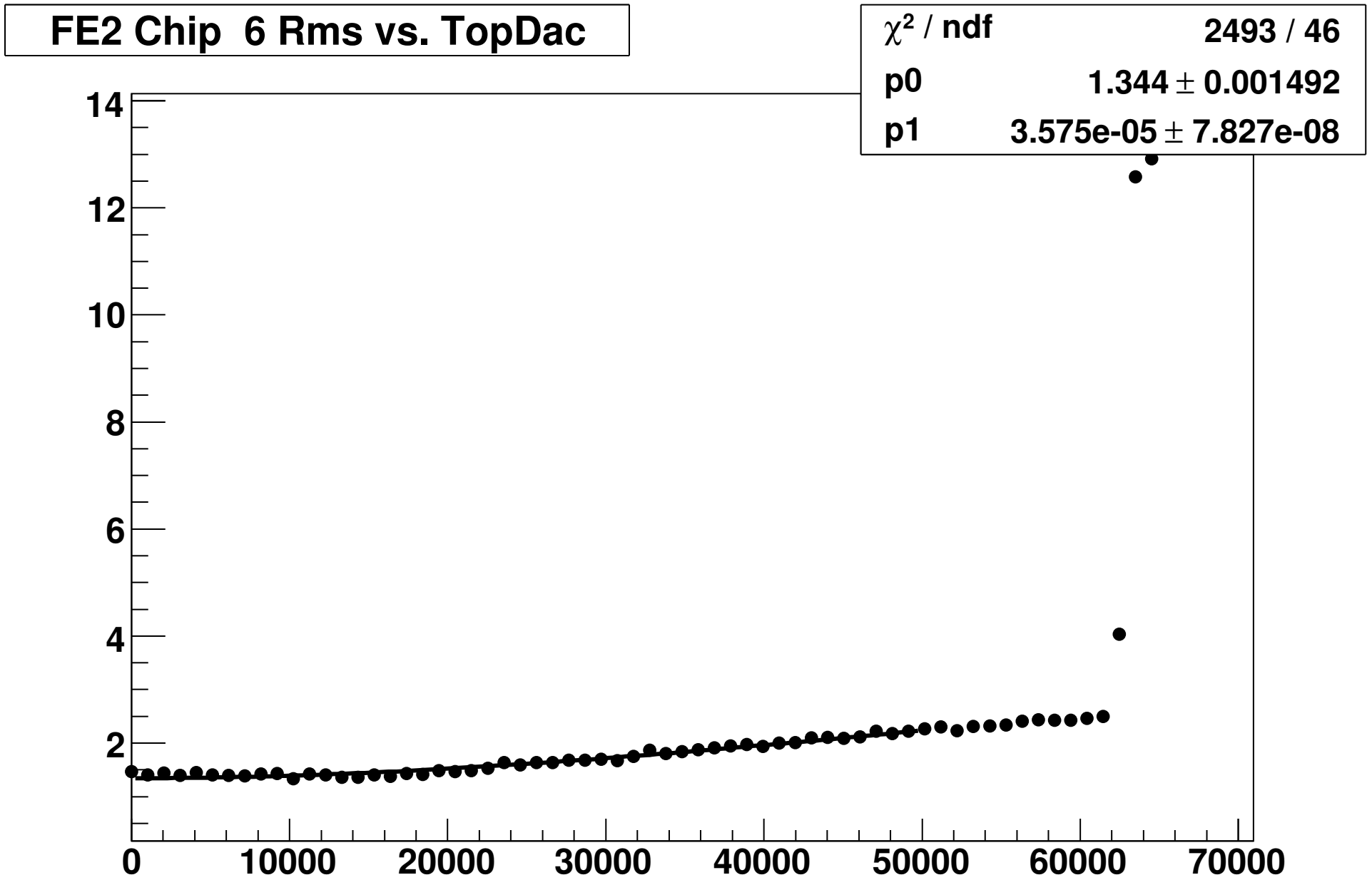
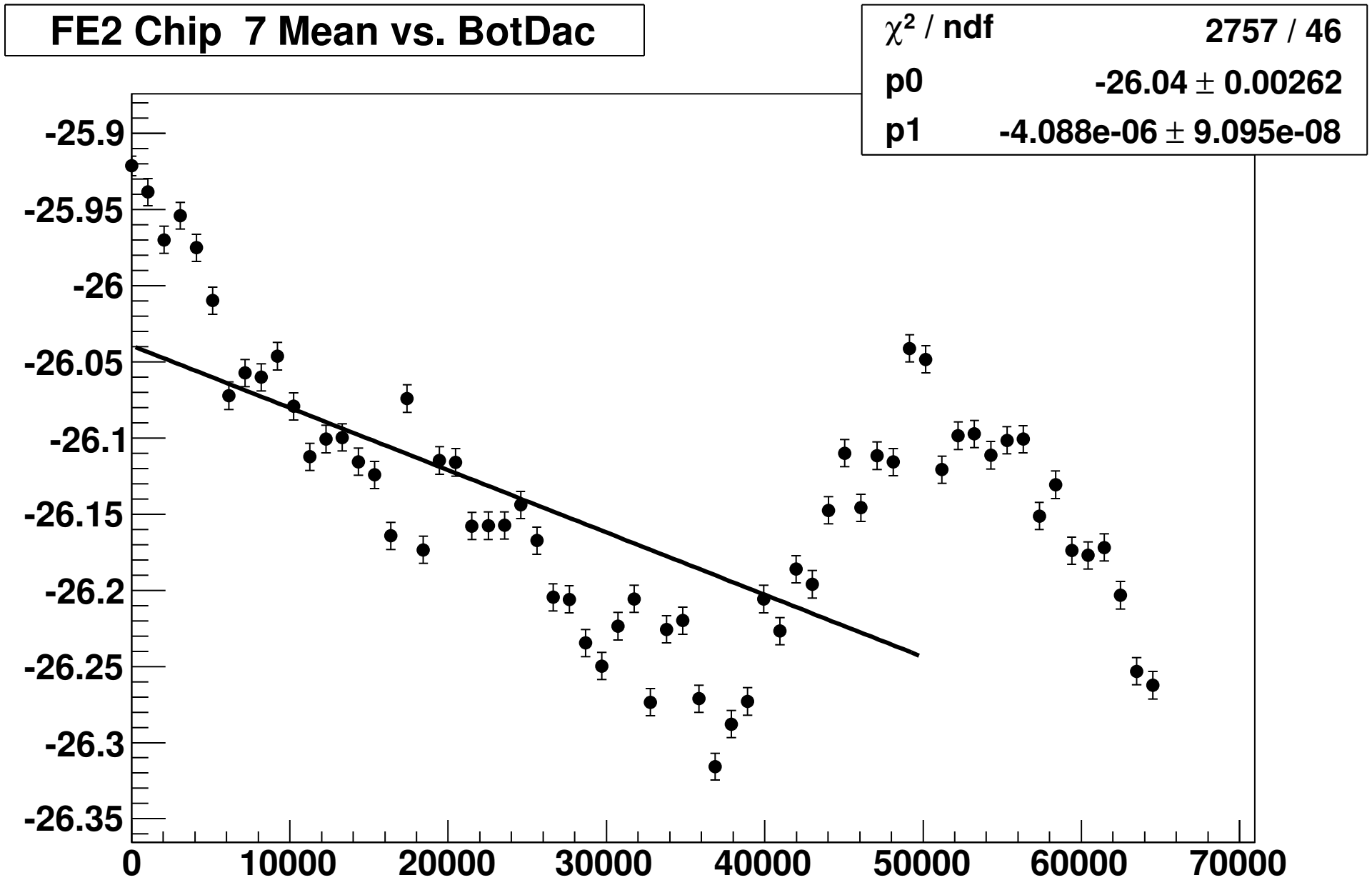
10000
20000
30000
40000
50000
60000
70000

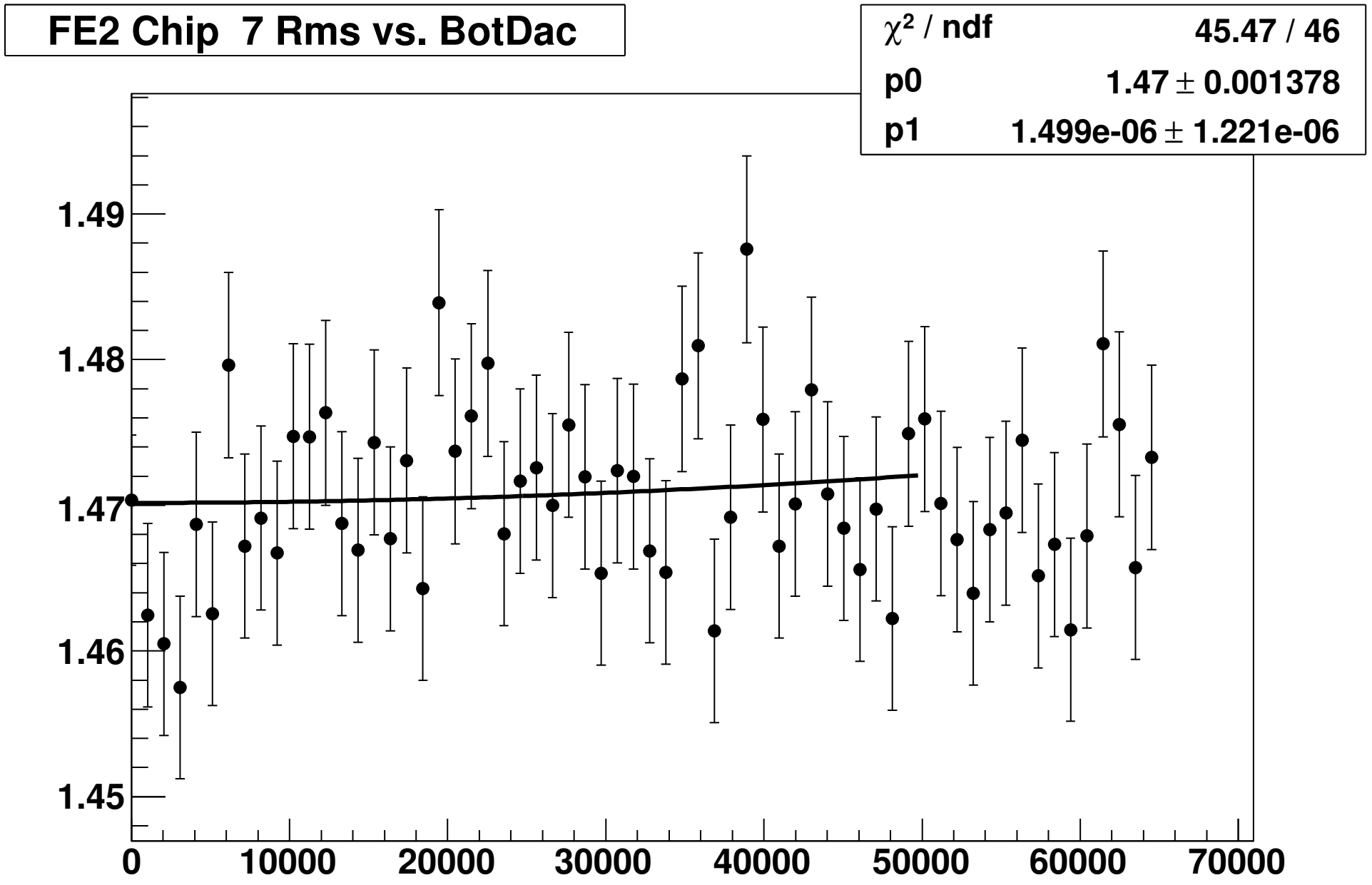

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 2145 / 46
p0 -29.57 ± 0.002604
p1 -3.825e-06 ± 9.039e-08
-29.45
-29.5
-29.55
-29.6
-29.65
-29.7
-29.75
-29.8
-29.85
0
10000
20000
30000
40000
50000
60000
70000

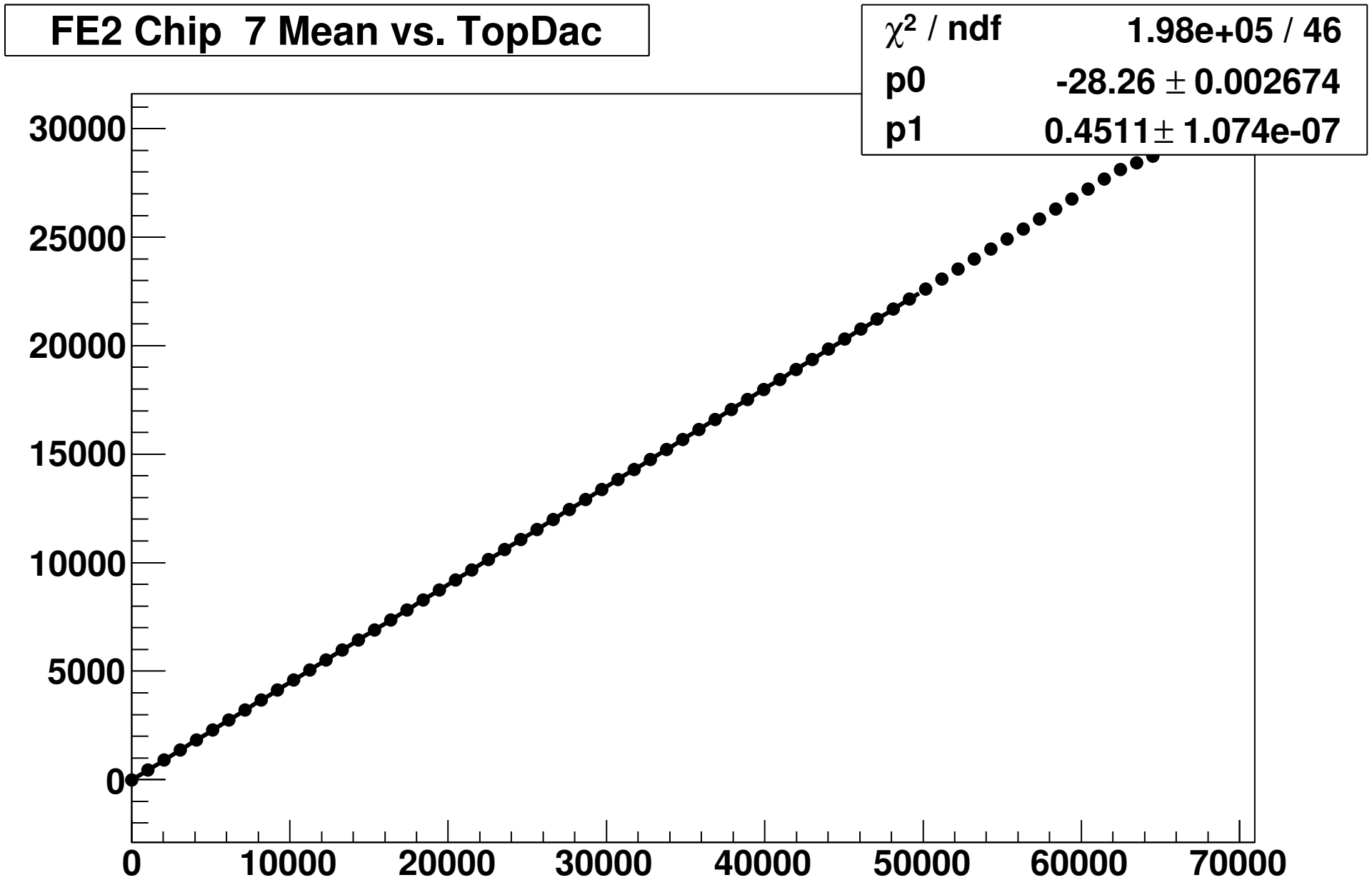

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 49.5 / 46
p0 1.461 ± 0.001371
p1 1.769e-06 ± 1.022e-06
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

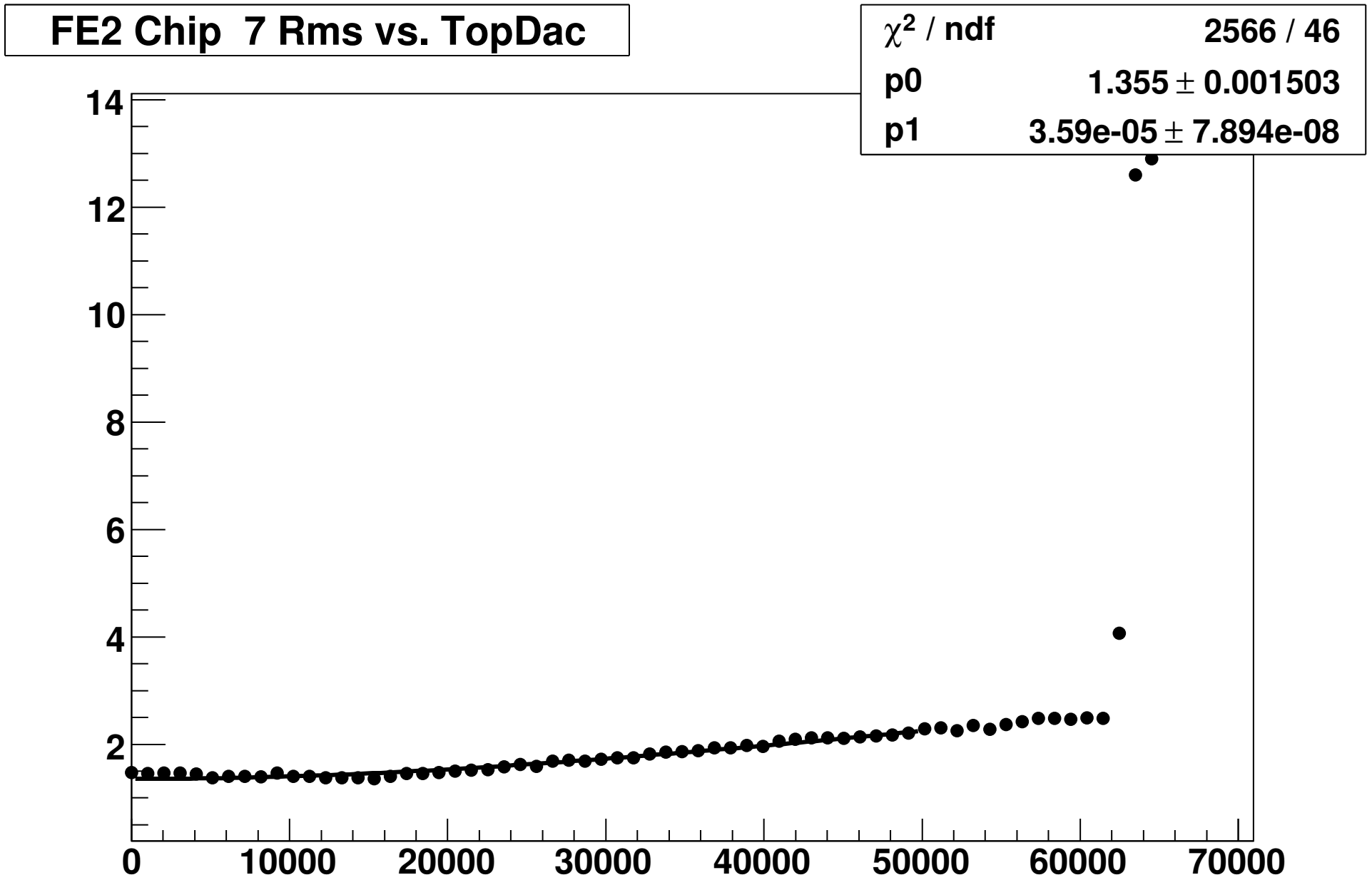

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.846e+05 / 46
p0 -32.09 ± 0.00265
p1 0.4511 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

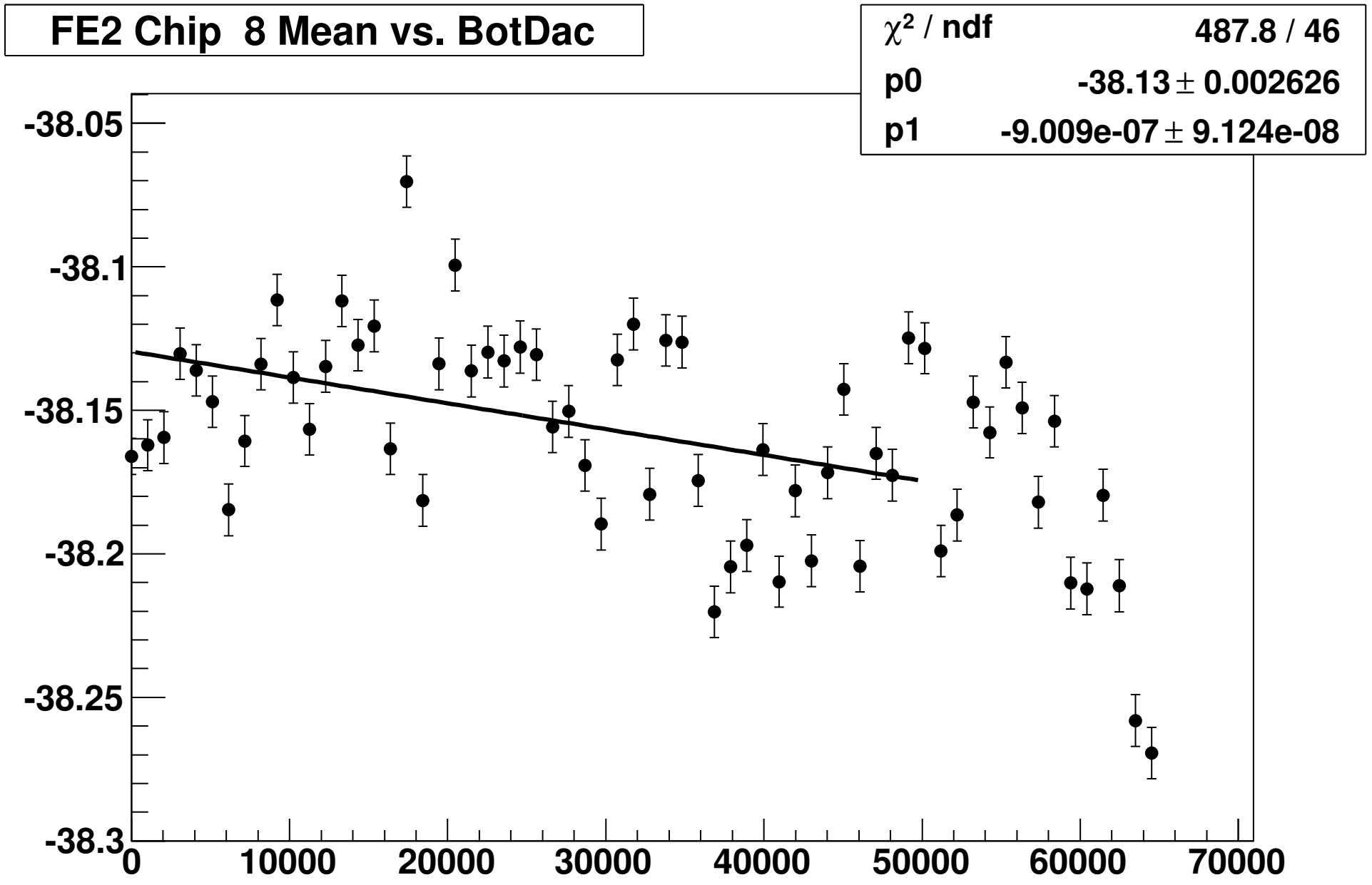

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 2493 / 46
p0 1.344 ± 0.001492
p1 3.575e-05 ± 7.827e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

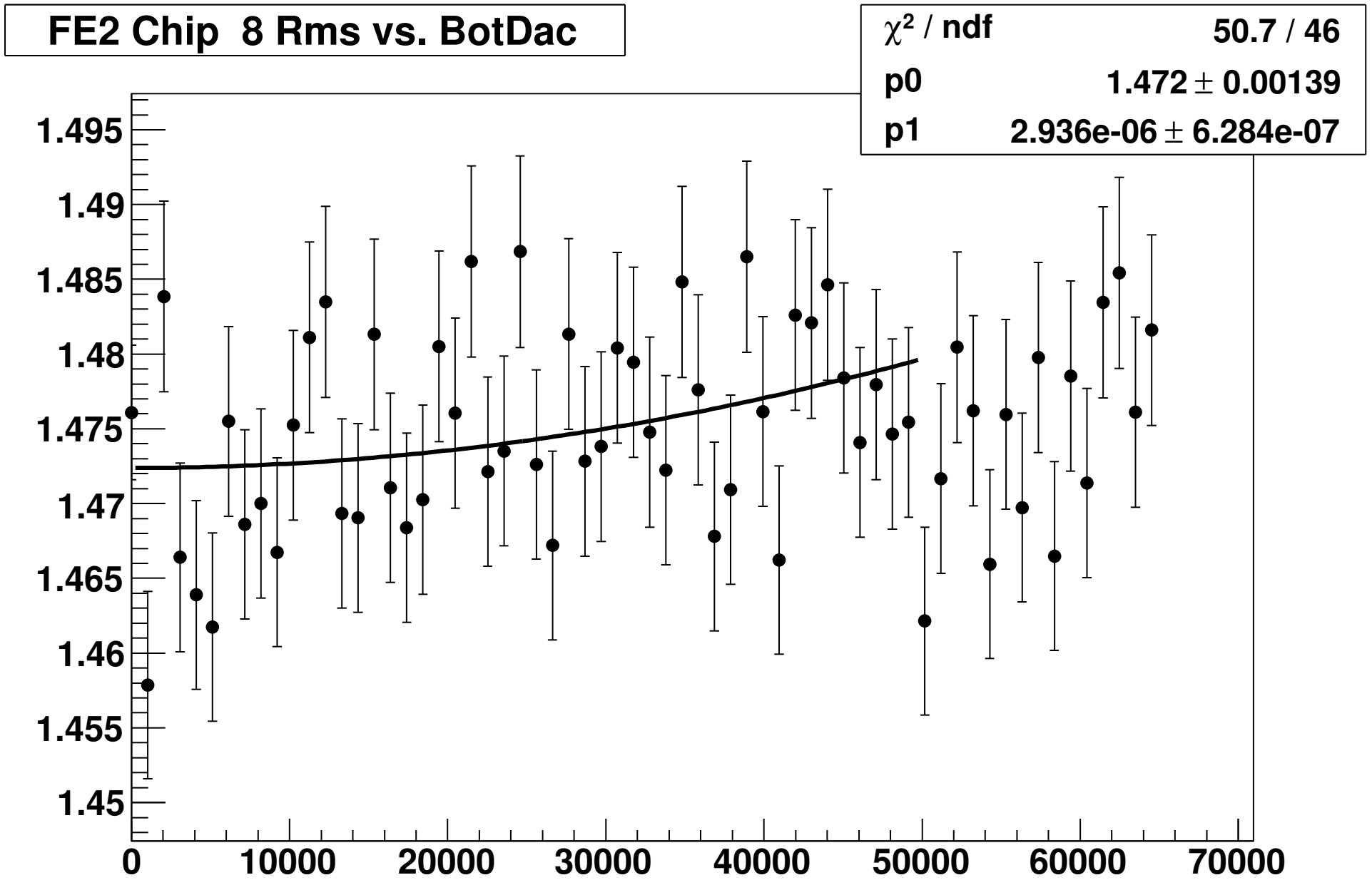

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 2757 / 46
p0 -26.04 ± 0.00262
p1 -4.088e-06 ± 9.095e-08
-25.9
-25.95
-26
-26.05
-26.1
-26.15
-26.2
-26.25
-26.3
-26.35
0
10000
20000
30000
40000
50000
60000
70000

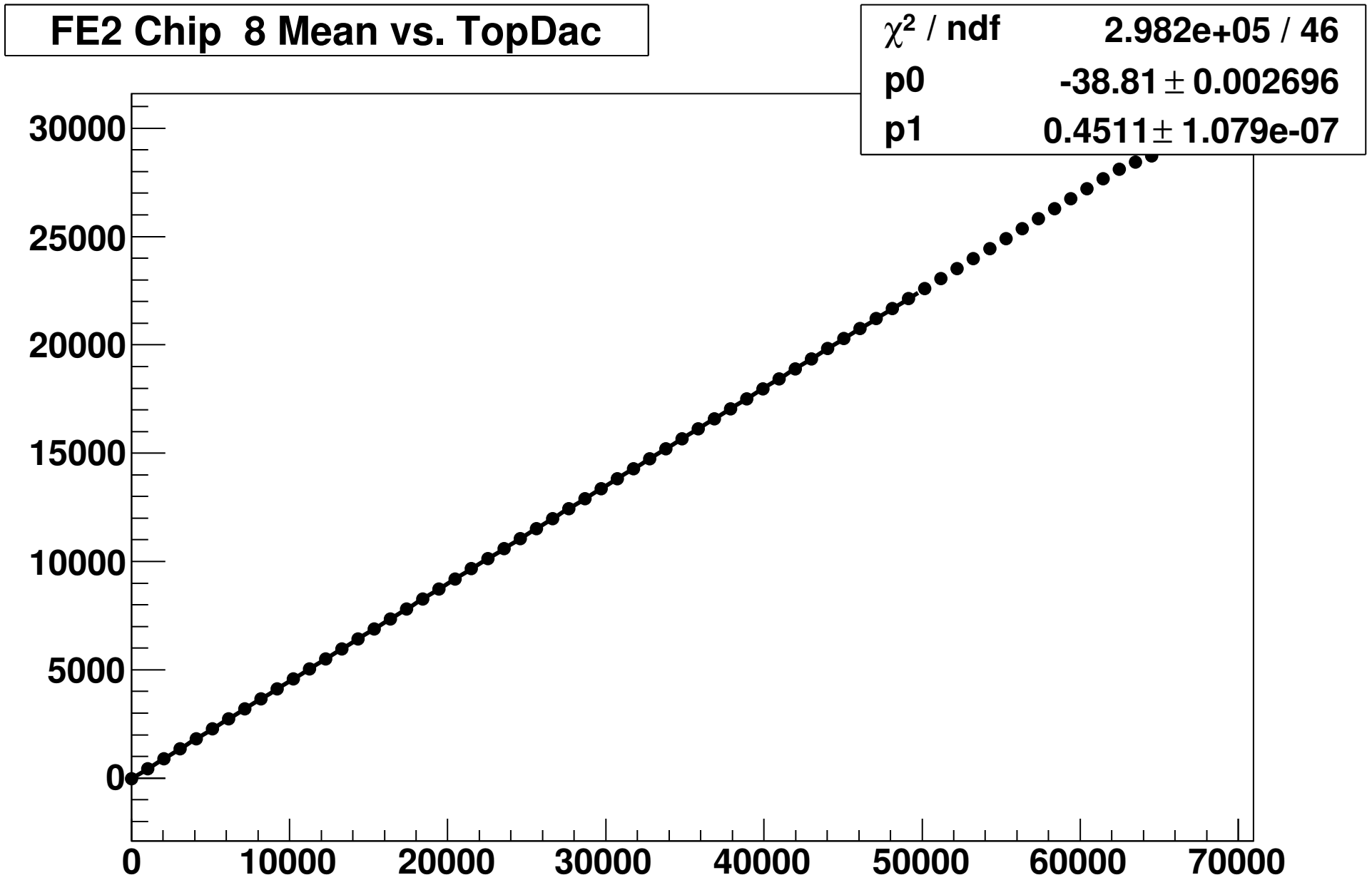

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 45.47 / 46
p0 1.47 ± 0.001378
p1 1.499e-06 ± 1.221e-06
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

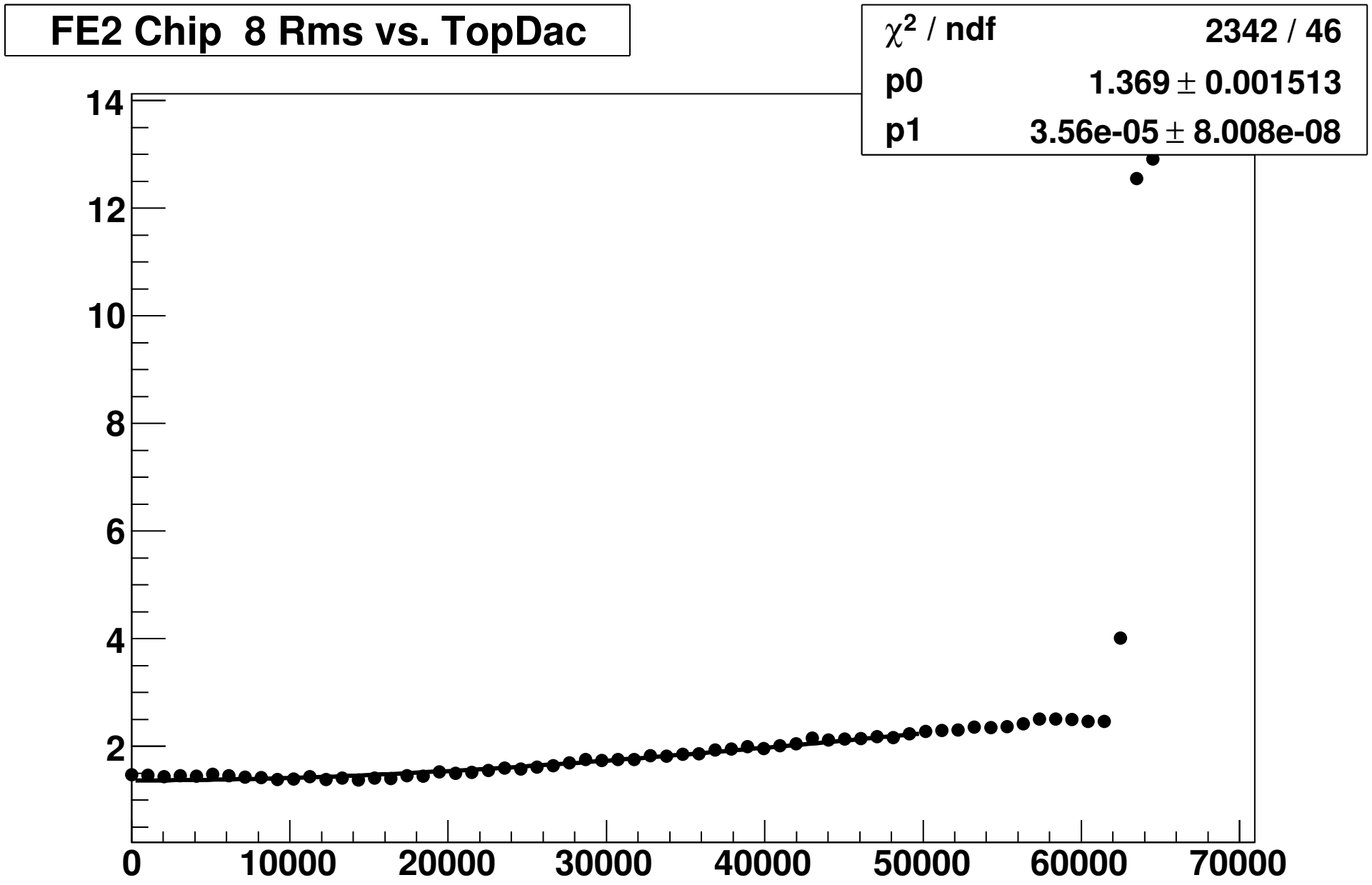

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.98e+05 / 46
p0 -28.26 ± 0.002674
p1 0.4511 ± 1.074e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

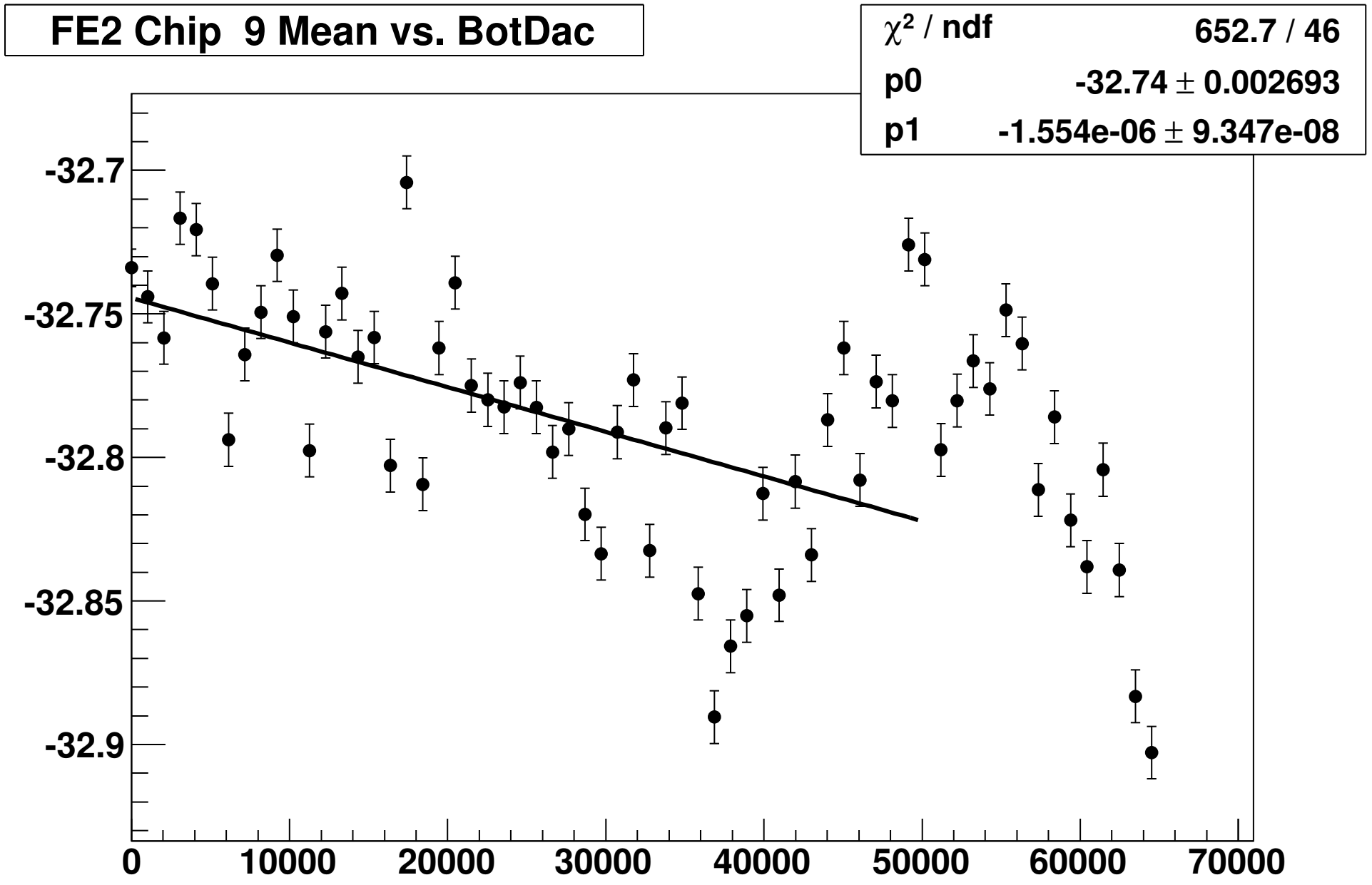

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 2566 / 46
p0 1.355 ± 0.001503
p1 3.59e-05 ± 7.894e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 487.8 / 46
p0 -38.13 ± 0.002626
p1 -9.009e-07 ± 9.124e-08
-38.05
-38.1
-38.15
-38.2
-38.25
-38.3
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 50.7 / 46
p0 1.472 ± 0.00139
p1 2.936e-06 ± 6.284e-07
1.495
1.49
1.485
1.48
1.475
1.47
1.465
1.46
1.455
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 2.982e+05 / 46
p0 -38.81 ± 0.002696
p1 0.4511 ± 1.079e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 2342 / 46
p0 1.369 ± 0.001513
p1 3.56e-05 ± 8.008e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 652.7 / 46
p0 -32.74 ± 0.002693
p1 -1.554e-06 ± 9.347e-08
-32.7
-32.75
-32.8
-32.85
-32.9
0
10000
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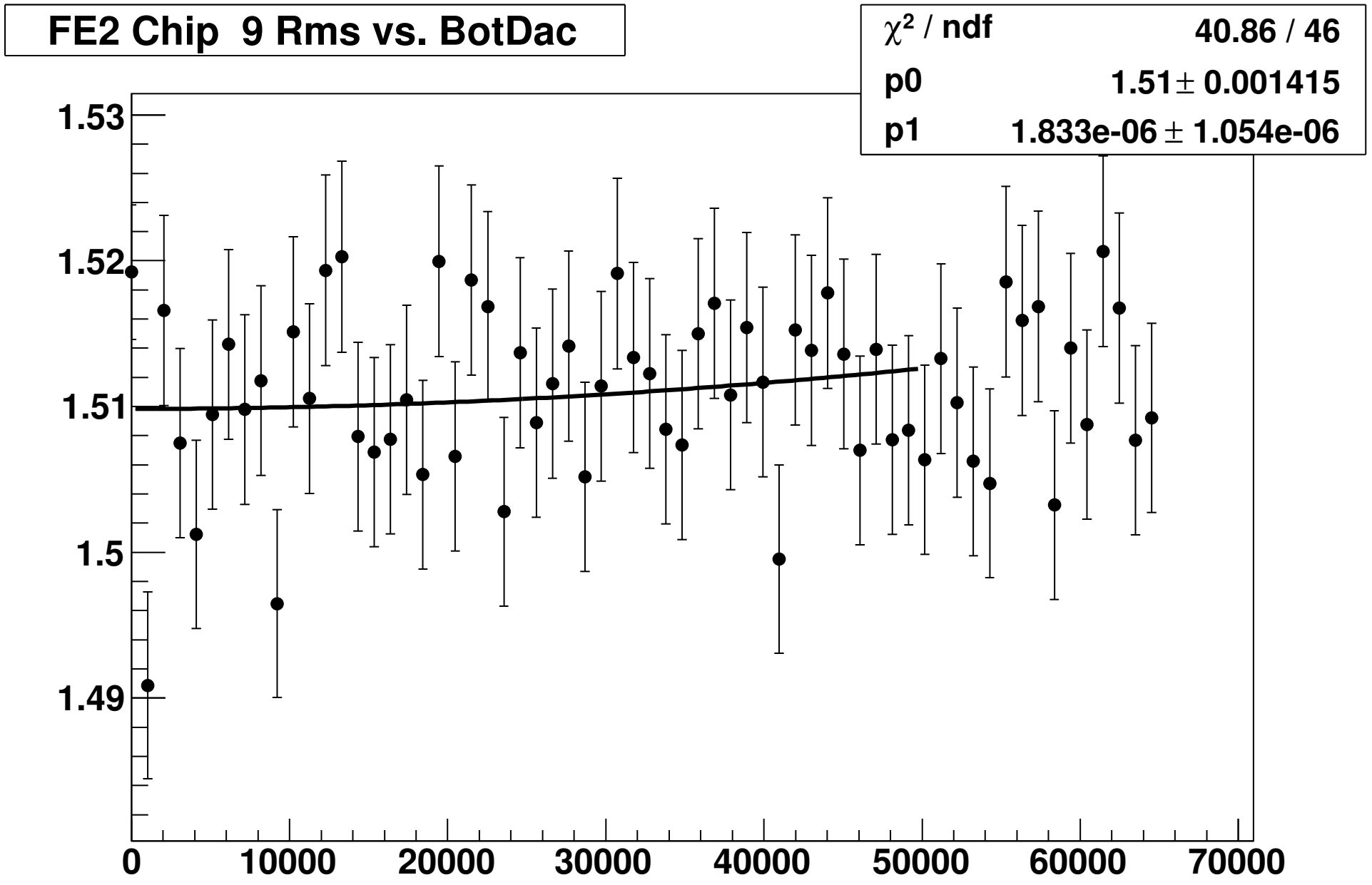
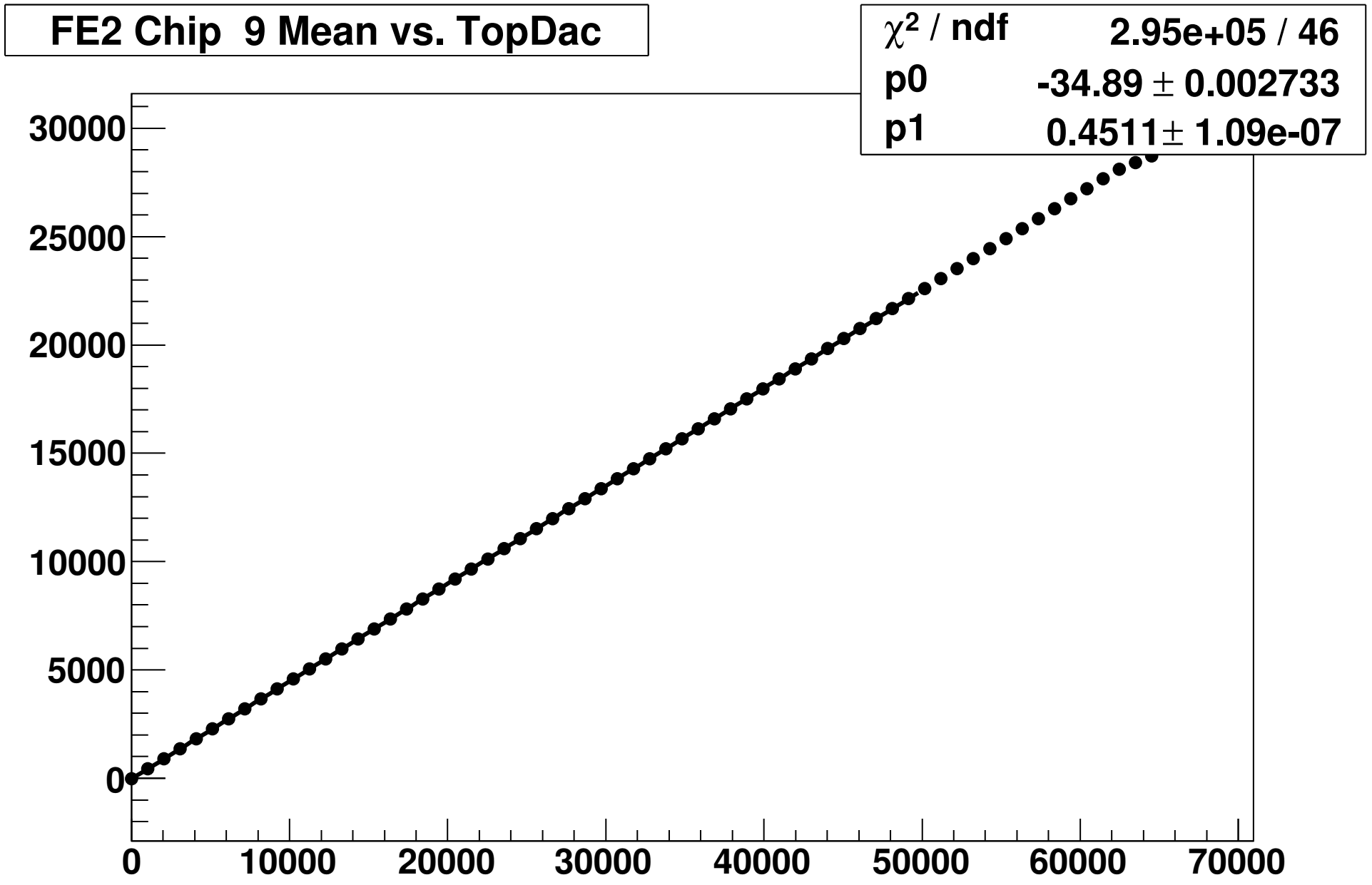
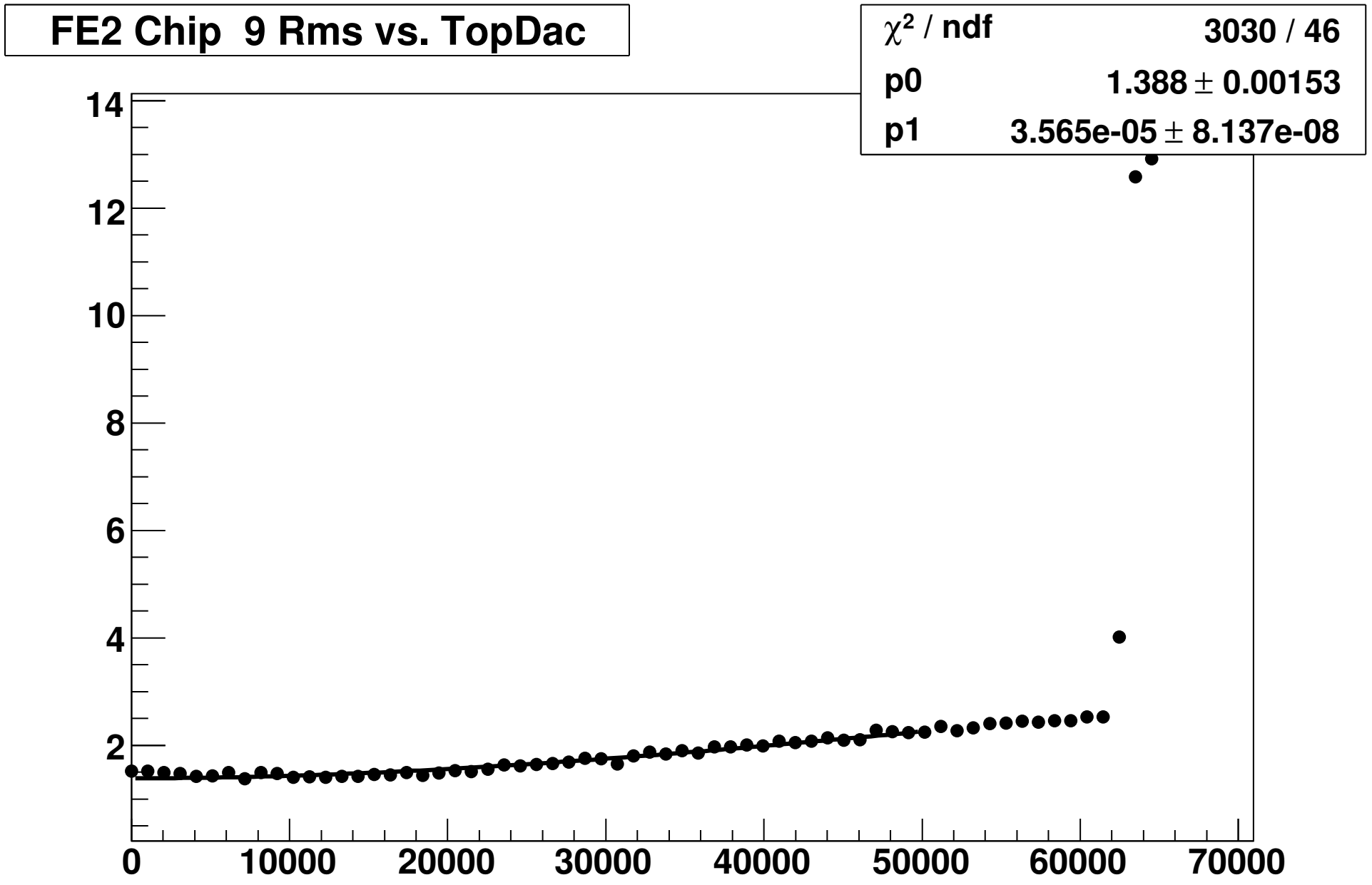
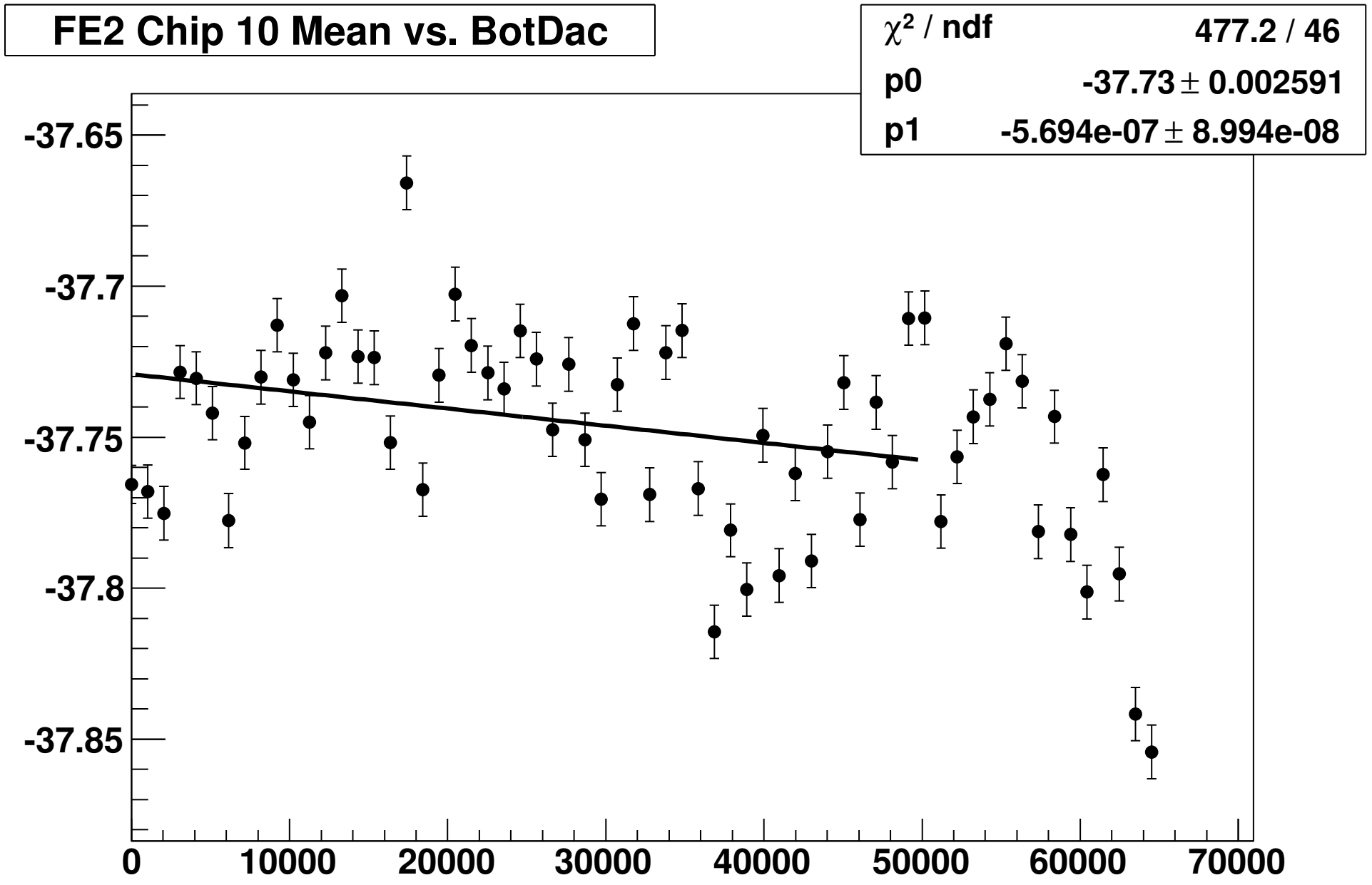
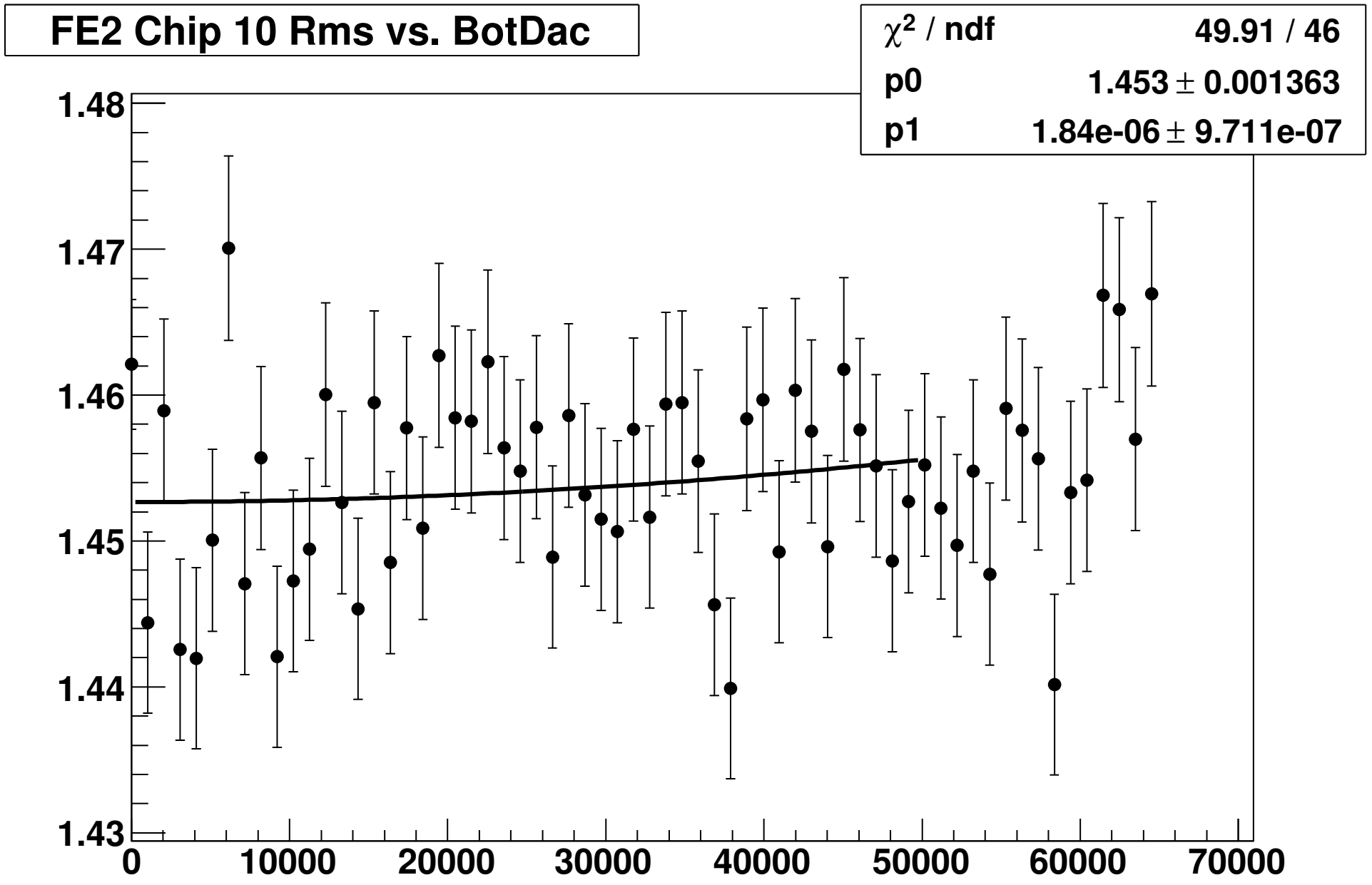
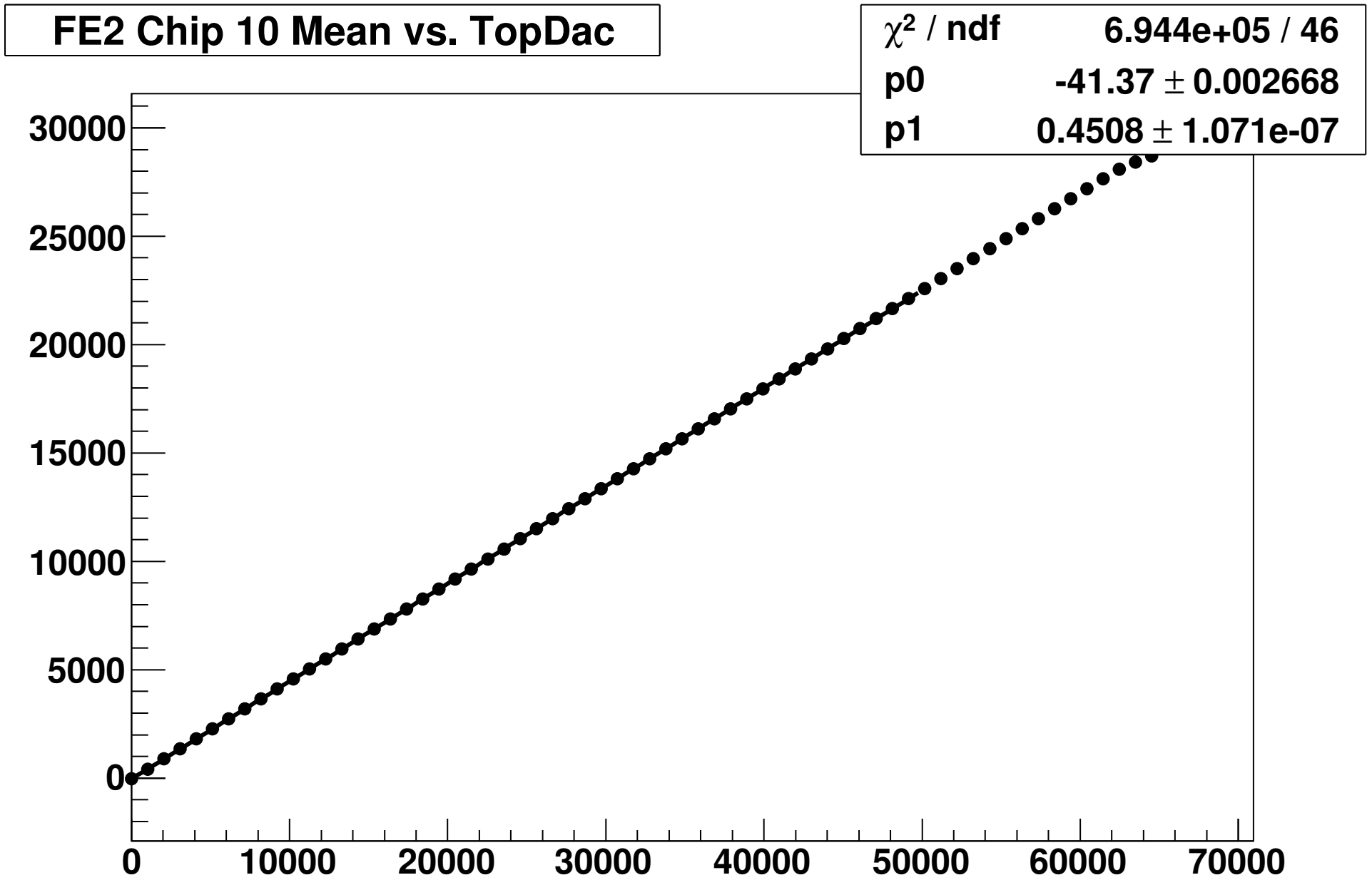

FE2 Chip 9 Rms vs. BotDac
χ² / ndf 40.86 / 46
p0 1.51 ± 0.001415
p1 1.833e-06 ± 1.054e-06
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

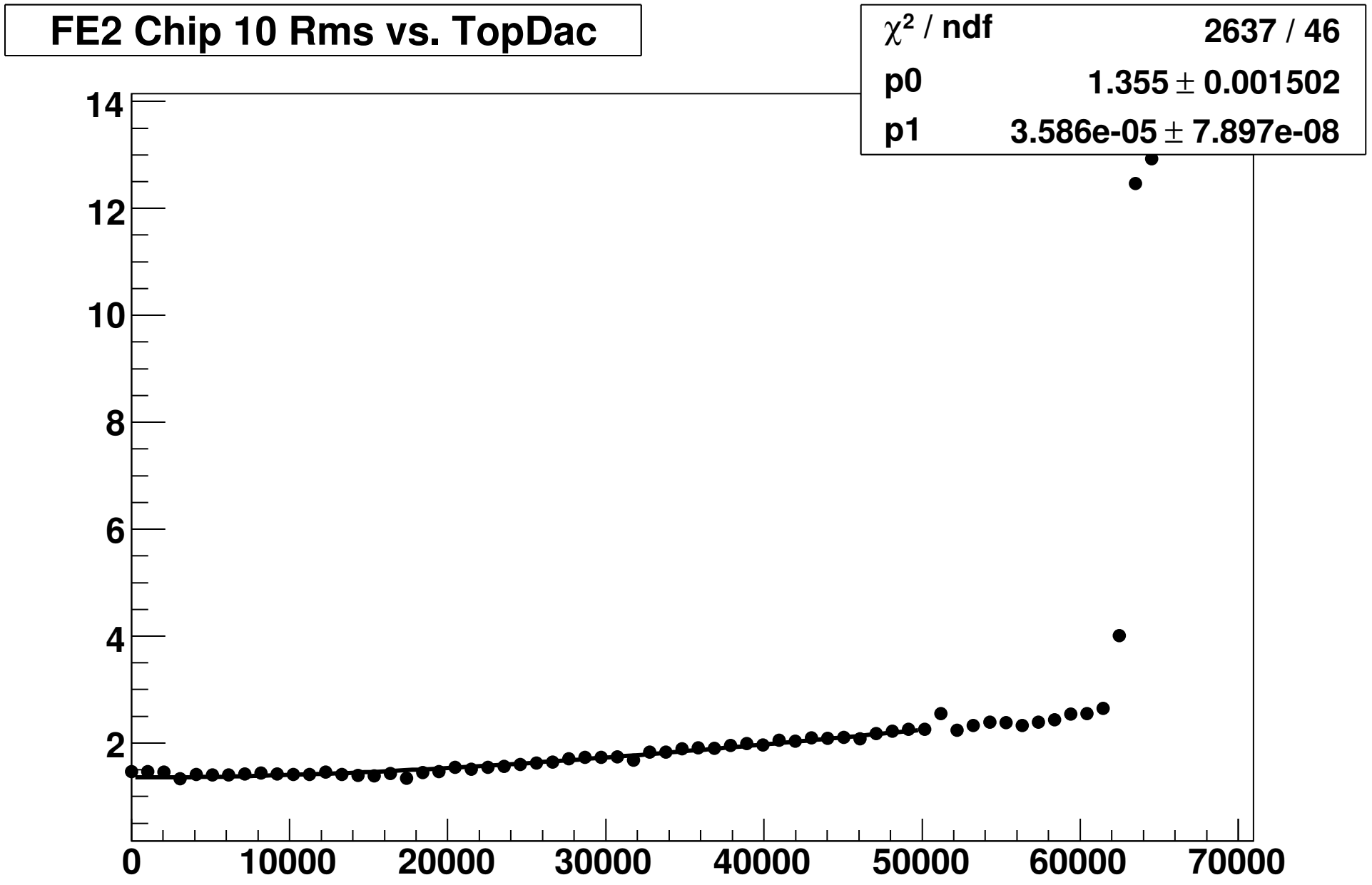

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 2.95e+05 / 46
p0 -34.89 ± 0.002733
p1 0.4511 ± 1.09e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 3030 / 46
p0 1.388 ± 0.00153
p1 3.565e-05 ± 8.137e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 477.2 / 46
p0 -37.73 ± 0.002591
p1 -5.694e-07 ± 8.994e-08
-37.65
-37.7
-37.75
-37.8
-37.85
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 49.91 / 46
p0 1.453 ± 0.001363
p1 1.84e-06 ± 9.711e-07
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 6.944e+05 / 46
p0 -41.37 ± 0.002668
p1 0.4508 ± 1.071e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 2637 / 46
p0 1.355 ± 0.001502
p1 3.586e-05 ± 7.897e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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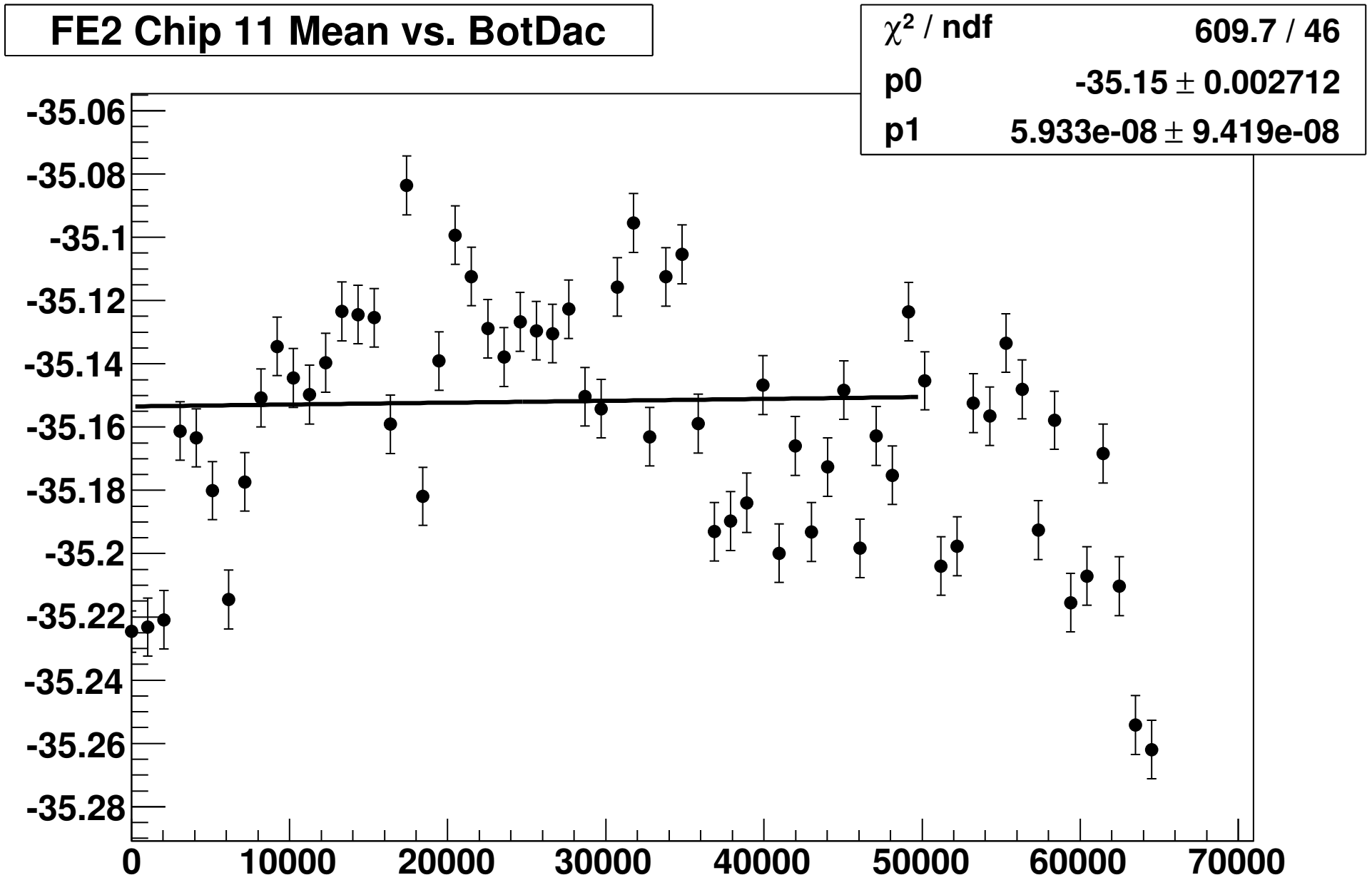
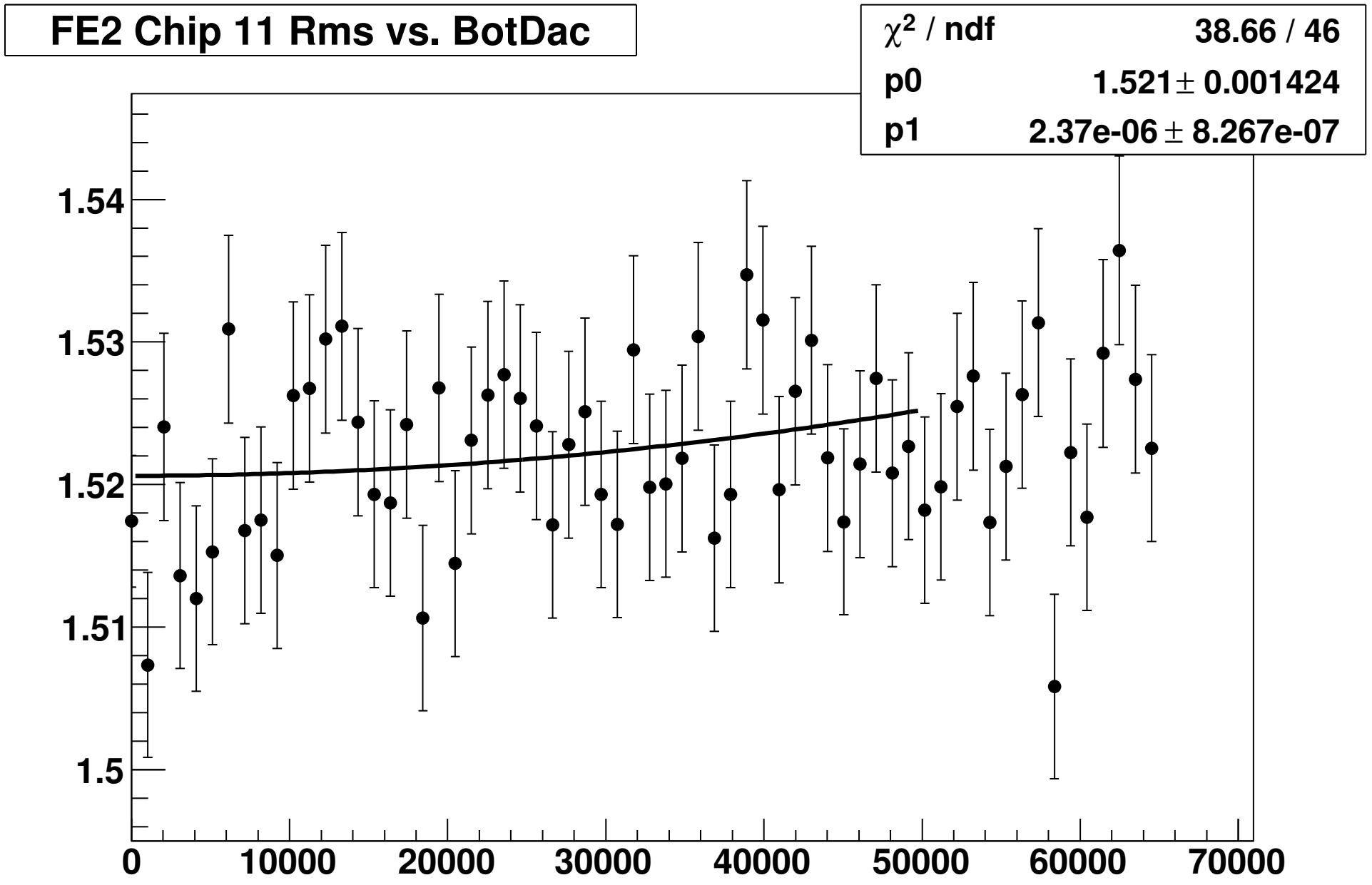

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 609.7 / 46
p0 -35.15 ± 0.002712
p1 5.933e-08 ± 9.419e-08
-35.06
-35.08
-35.1
-35.12
-35.14
-35.16
-35.18
-35.2
-35.22
-35.24
-35.26
-35.28
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 38.66 / 46
p0 1.521 ± 0.001424
p1 2.37e-06 ± 8.267e-07
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
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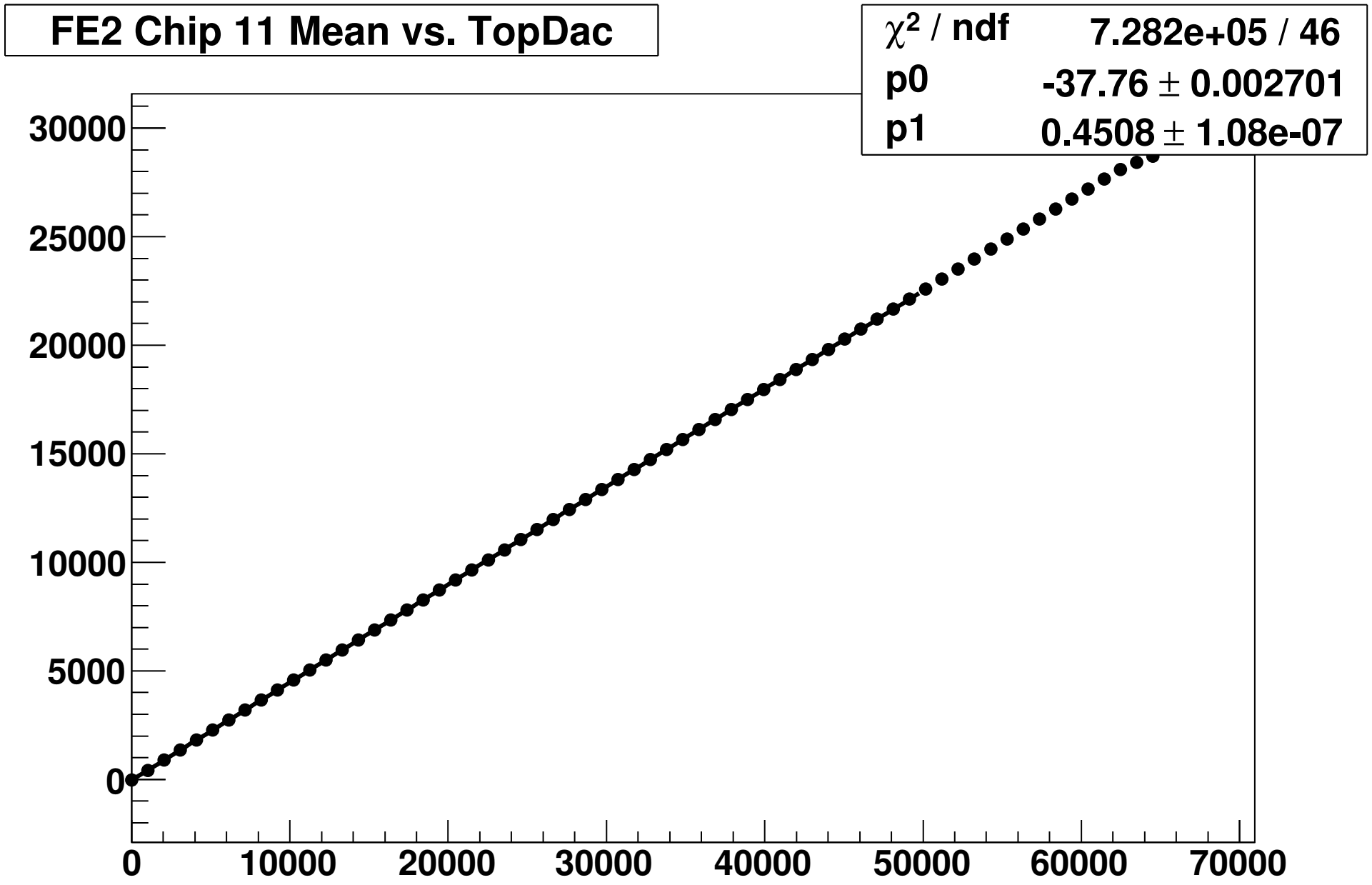
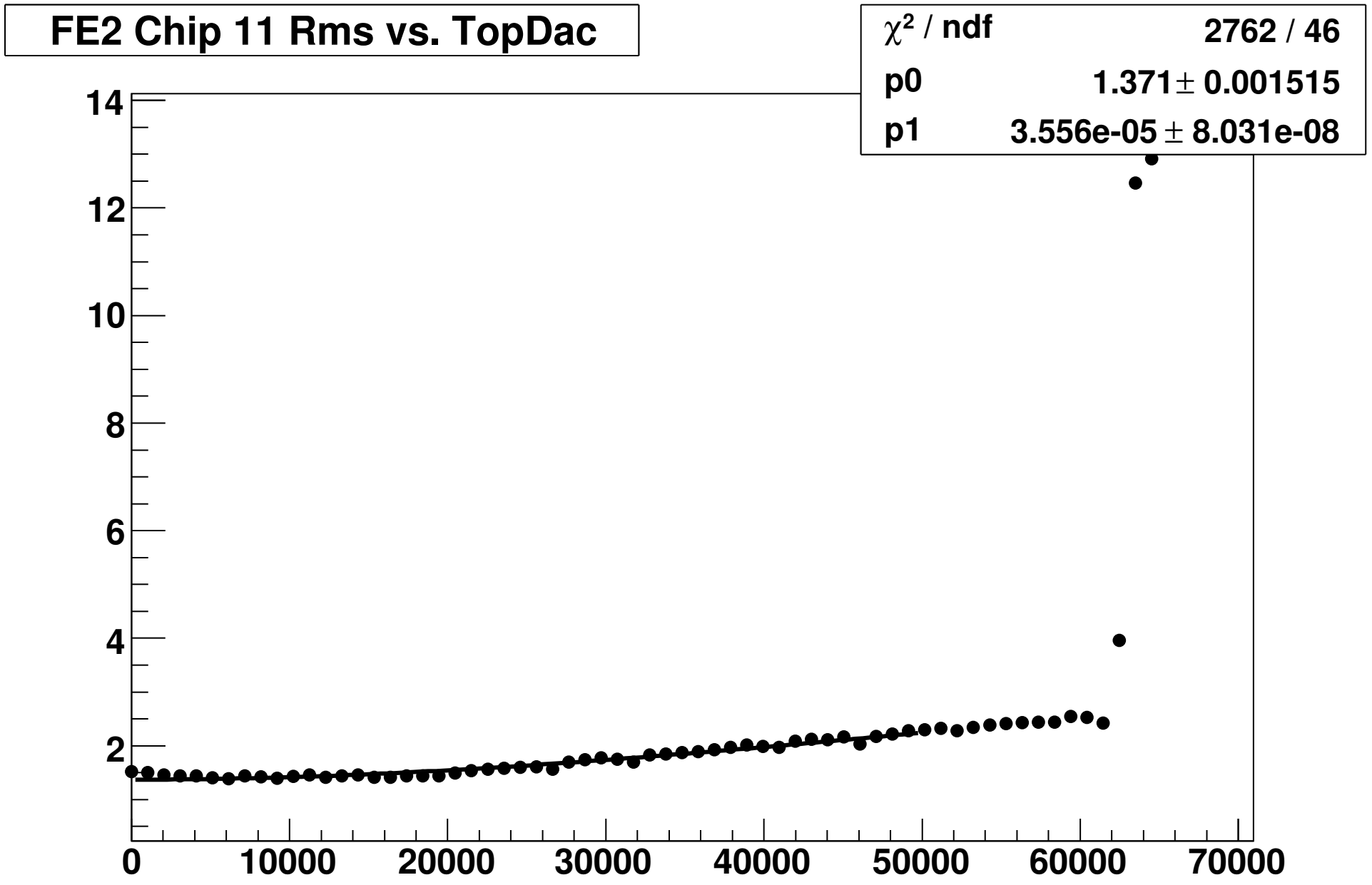
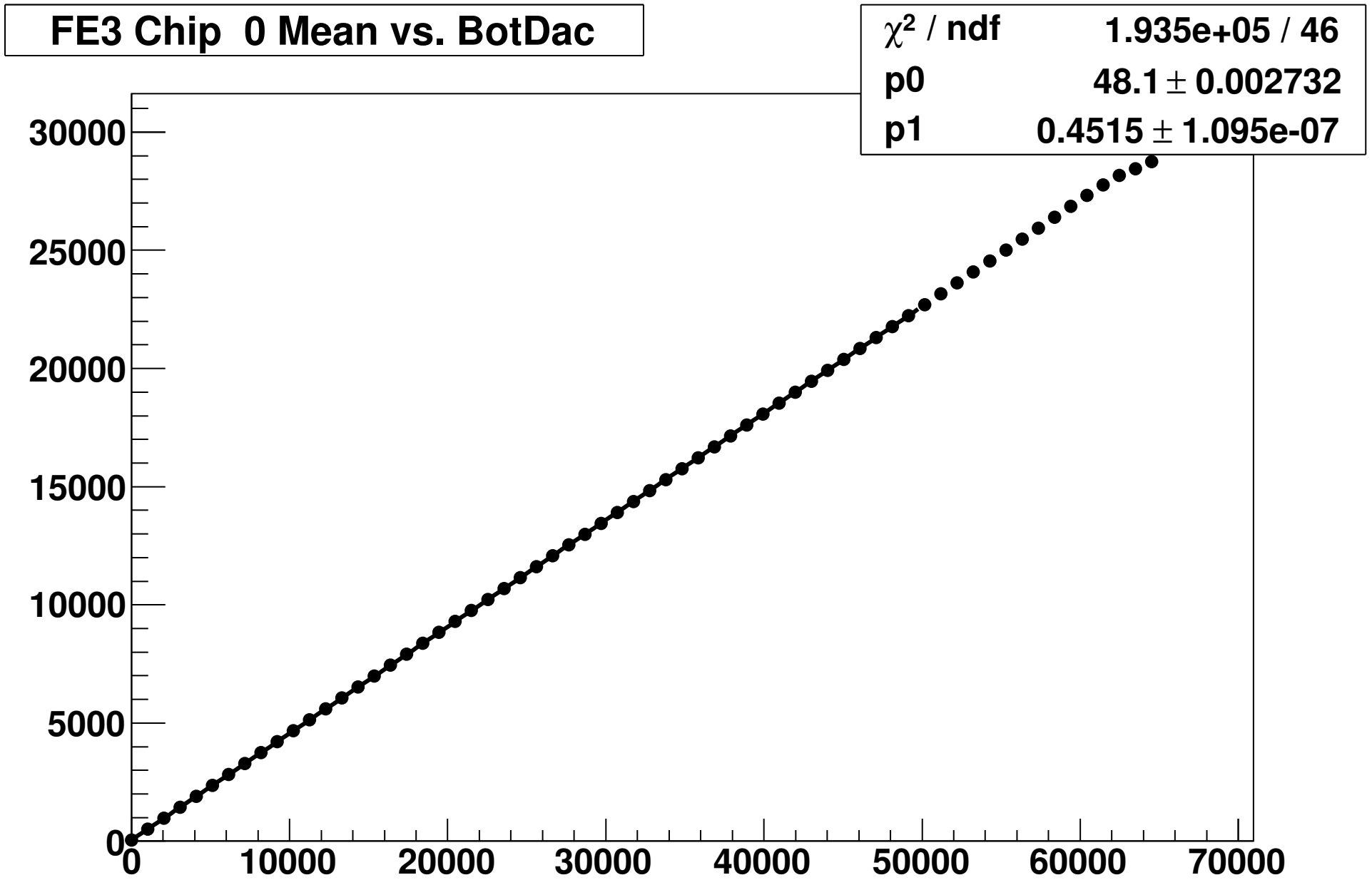
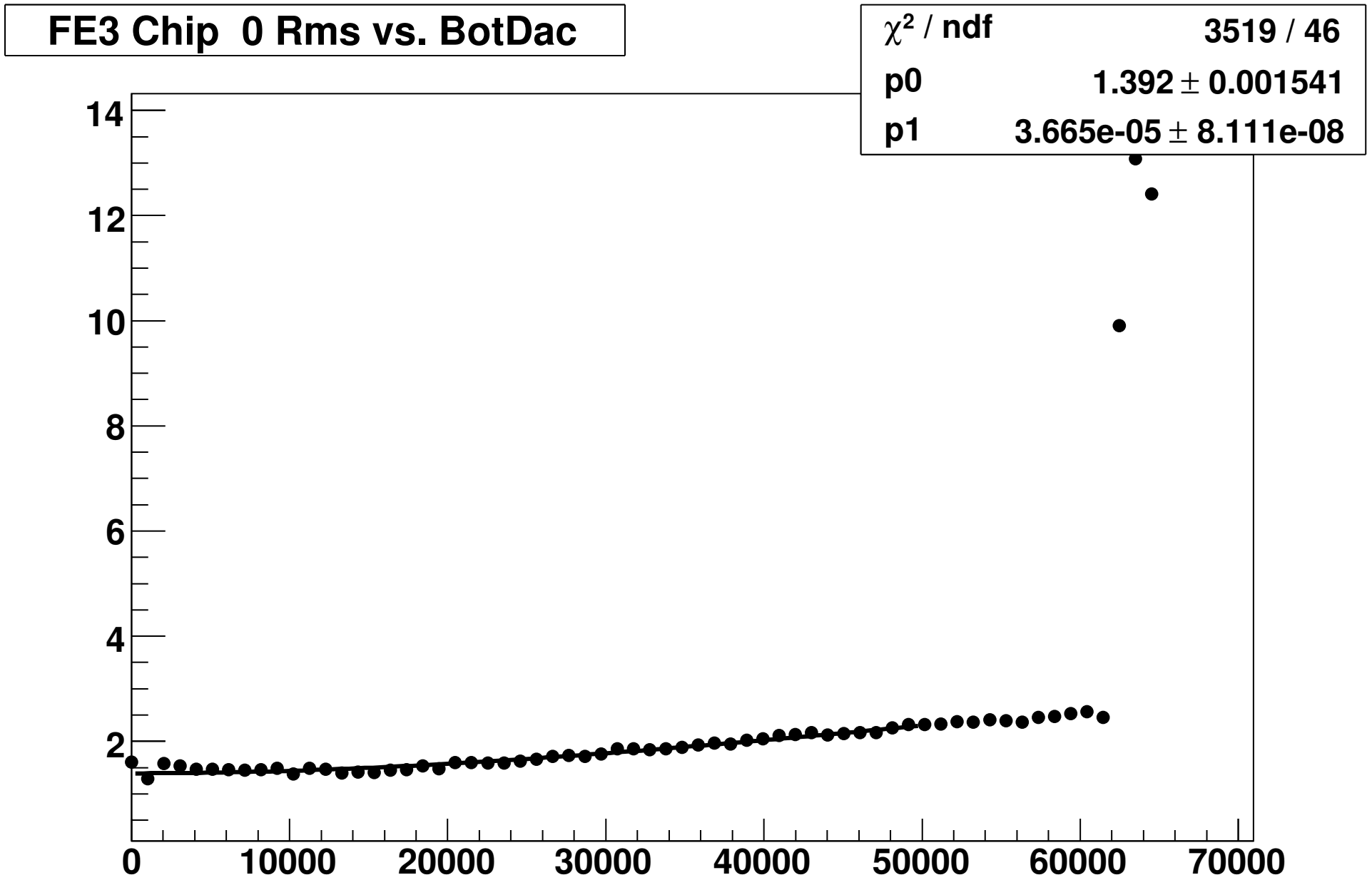
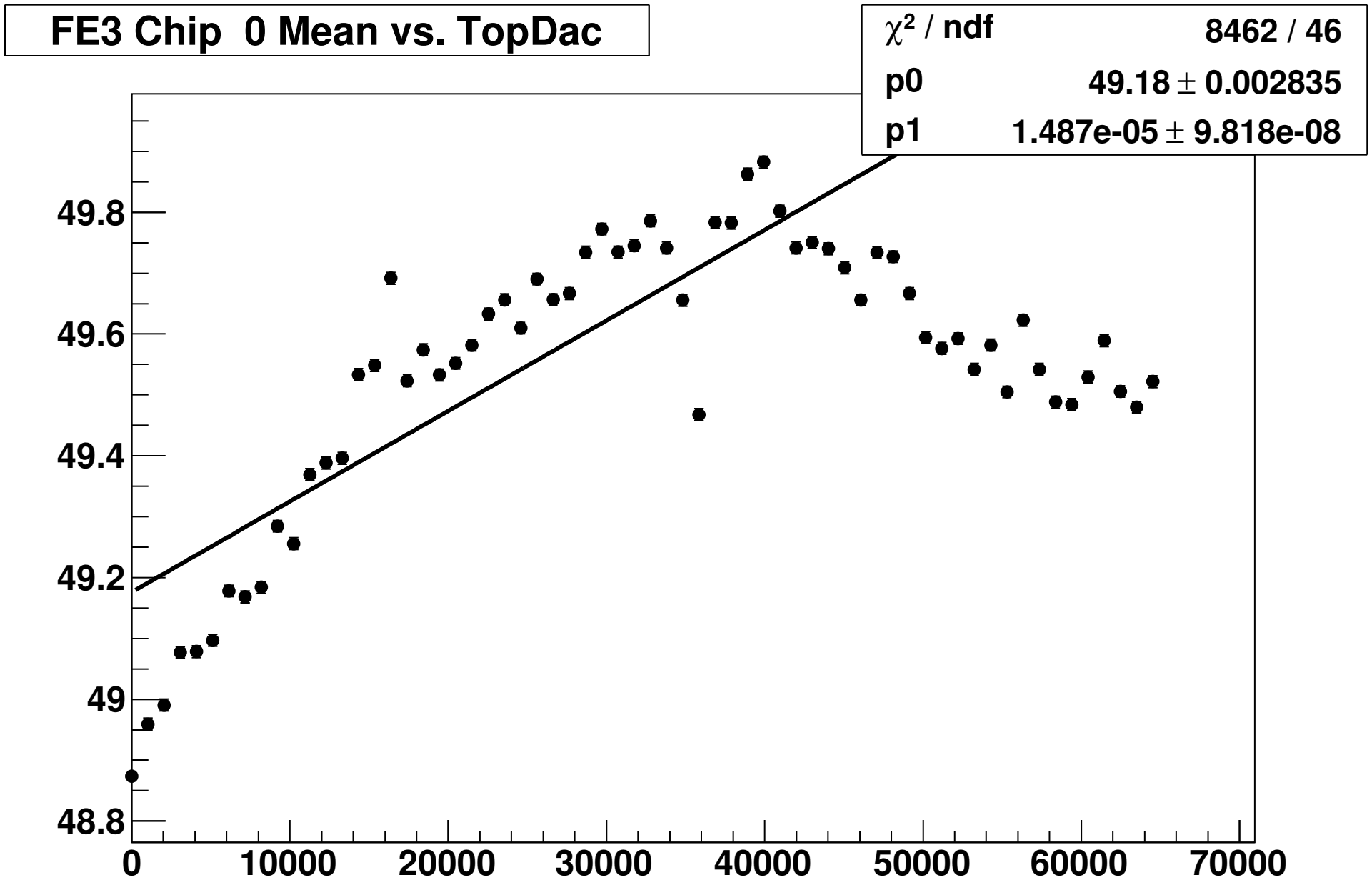
50000
60000
70000

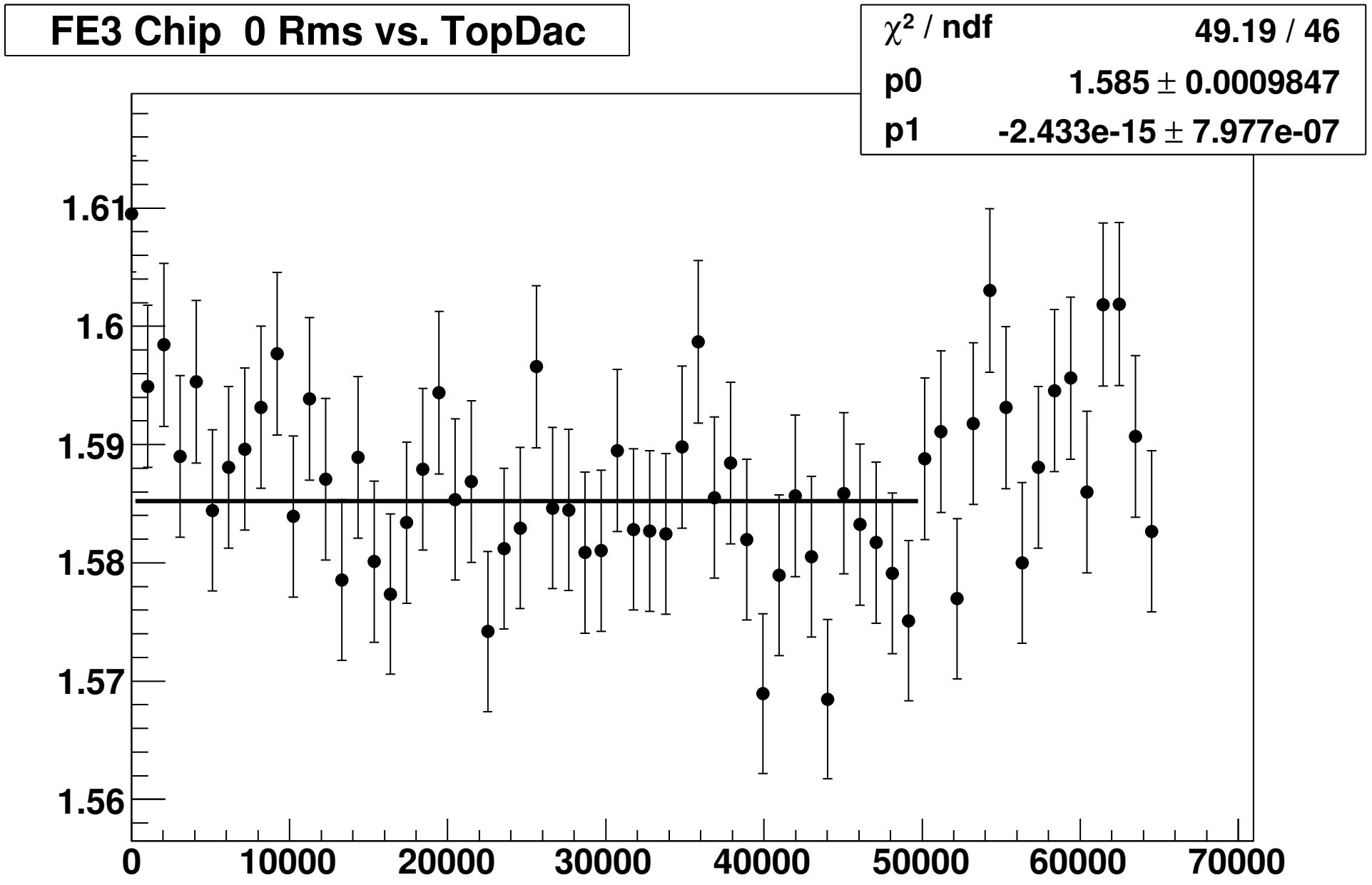

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 7.282e+05 / 46
p0 -37.76 ± 0.002701
p1 0.4508 ± 1.08e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

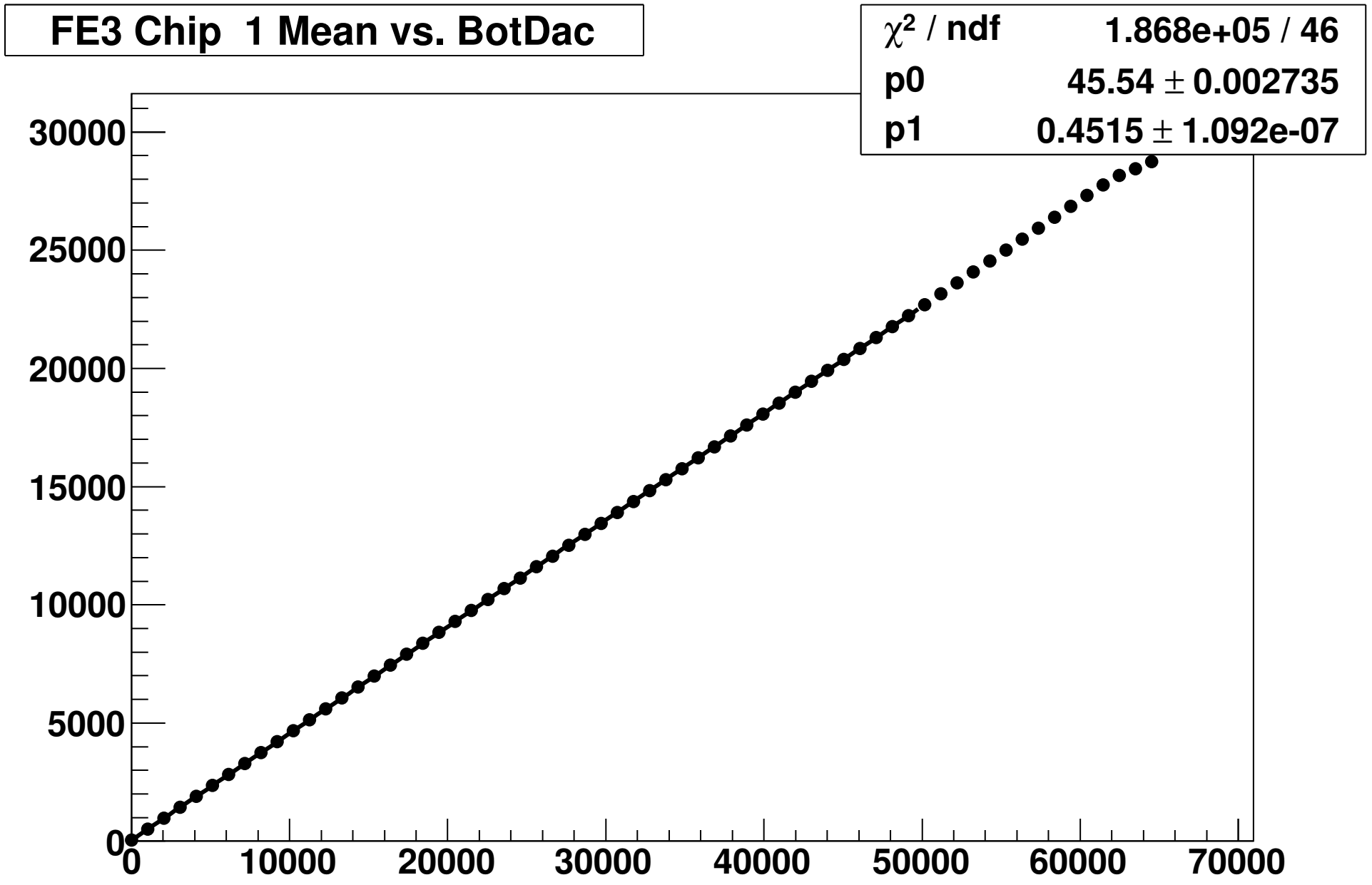

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 2762 / 46
p0 1.371 ± 0.001515
p1 3.556e-05 ± 8.031e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

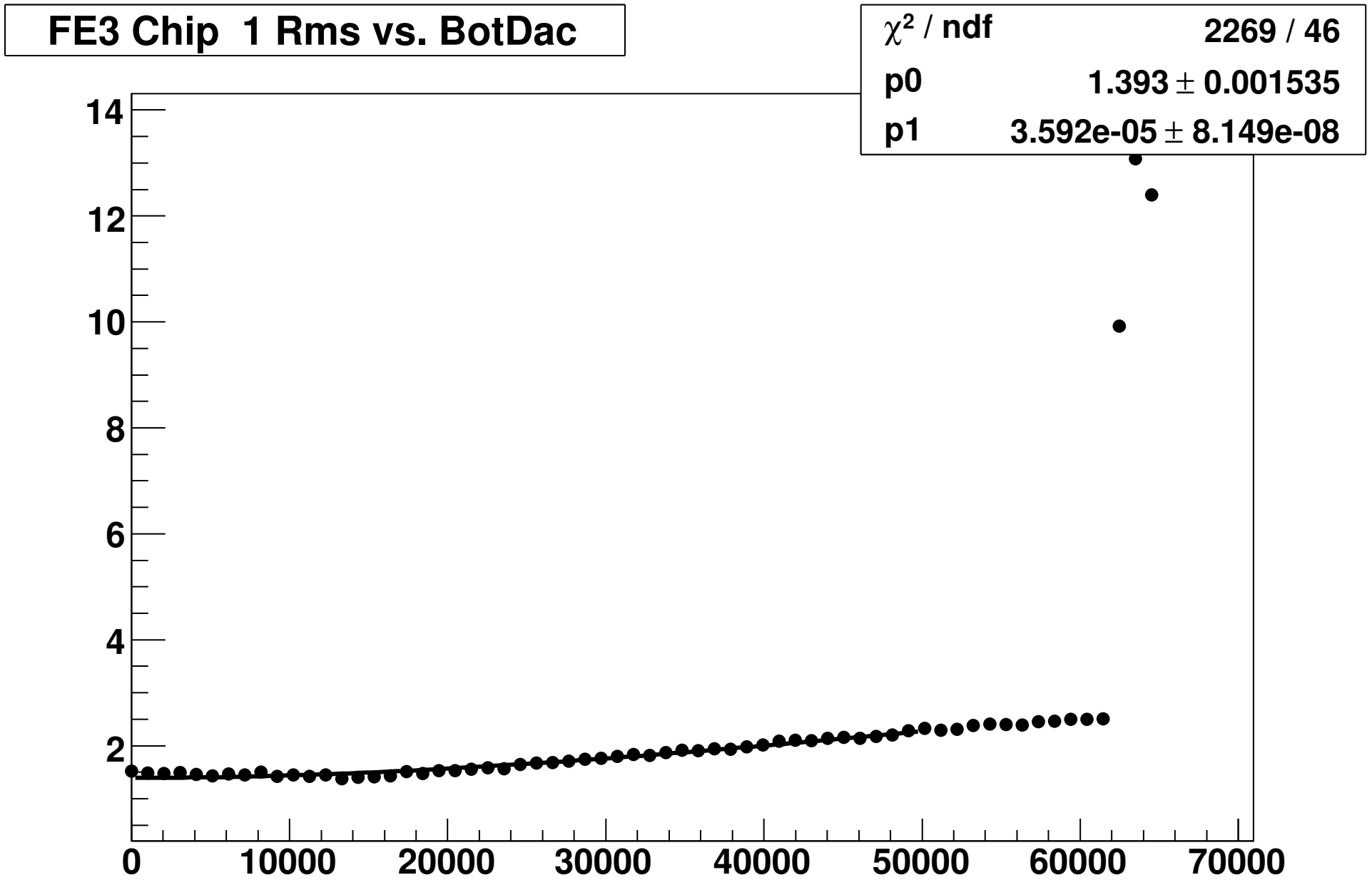

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.935e+05 / 46
p0 48.1 ± 0.002732
p1 0.4515 ± 1.095e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

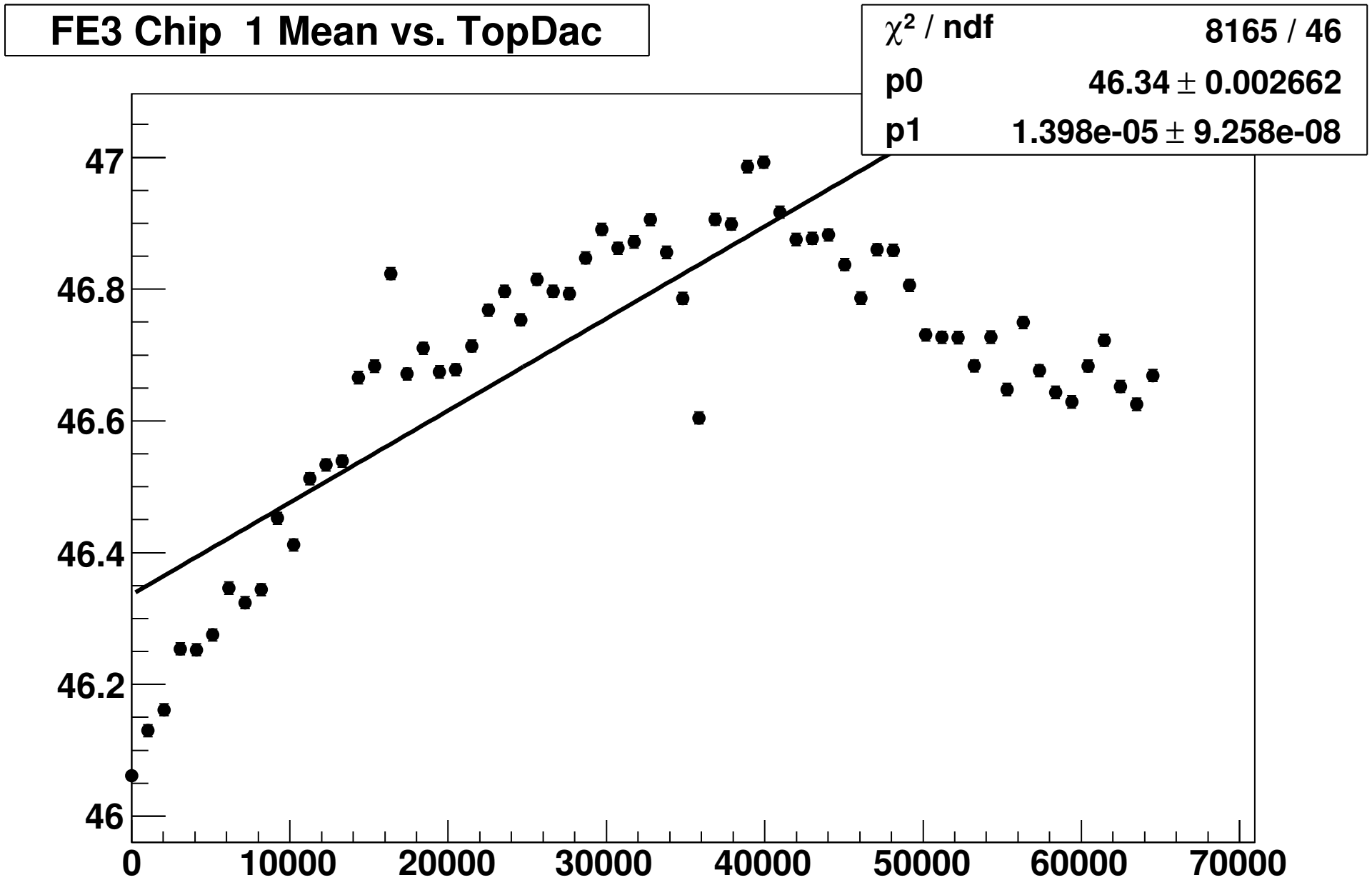

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 3519 / 46
p0 1.392 ± 0.001541
p1 3.665e-05 ± 8.111e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

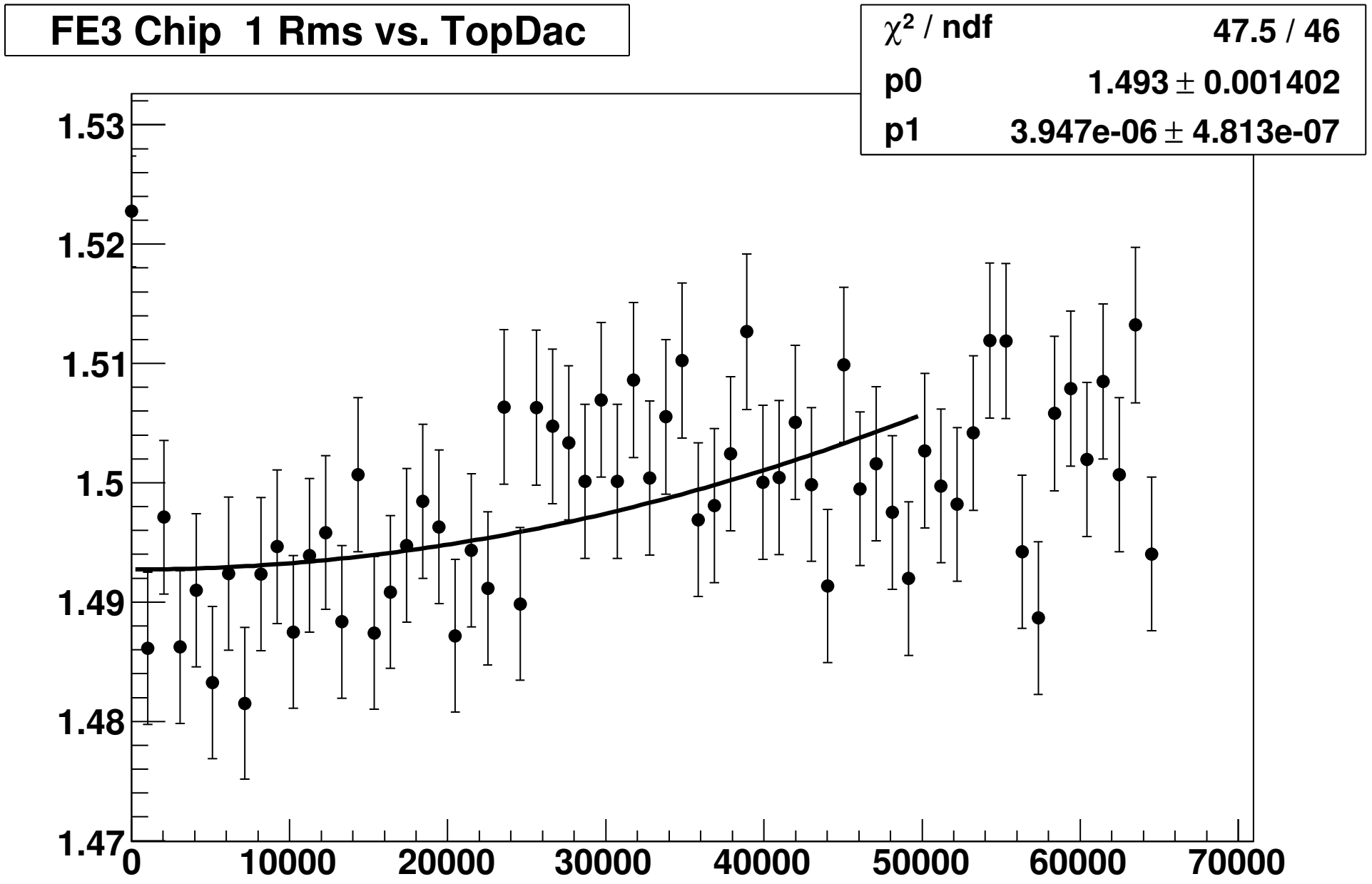

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 8462 / 46
p0 49.18 ± 0.002835
p1 1.487e-05 ± 9.818e-08
49.8
49.6
49.4
49.2
49
48.8
0
10000
20000
30000
40000
50000
60000
70000

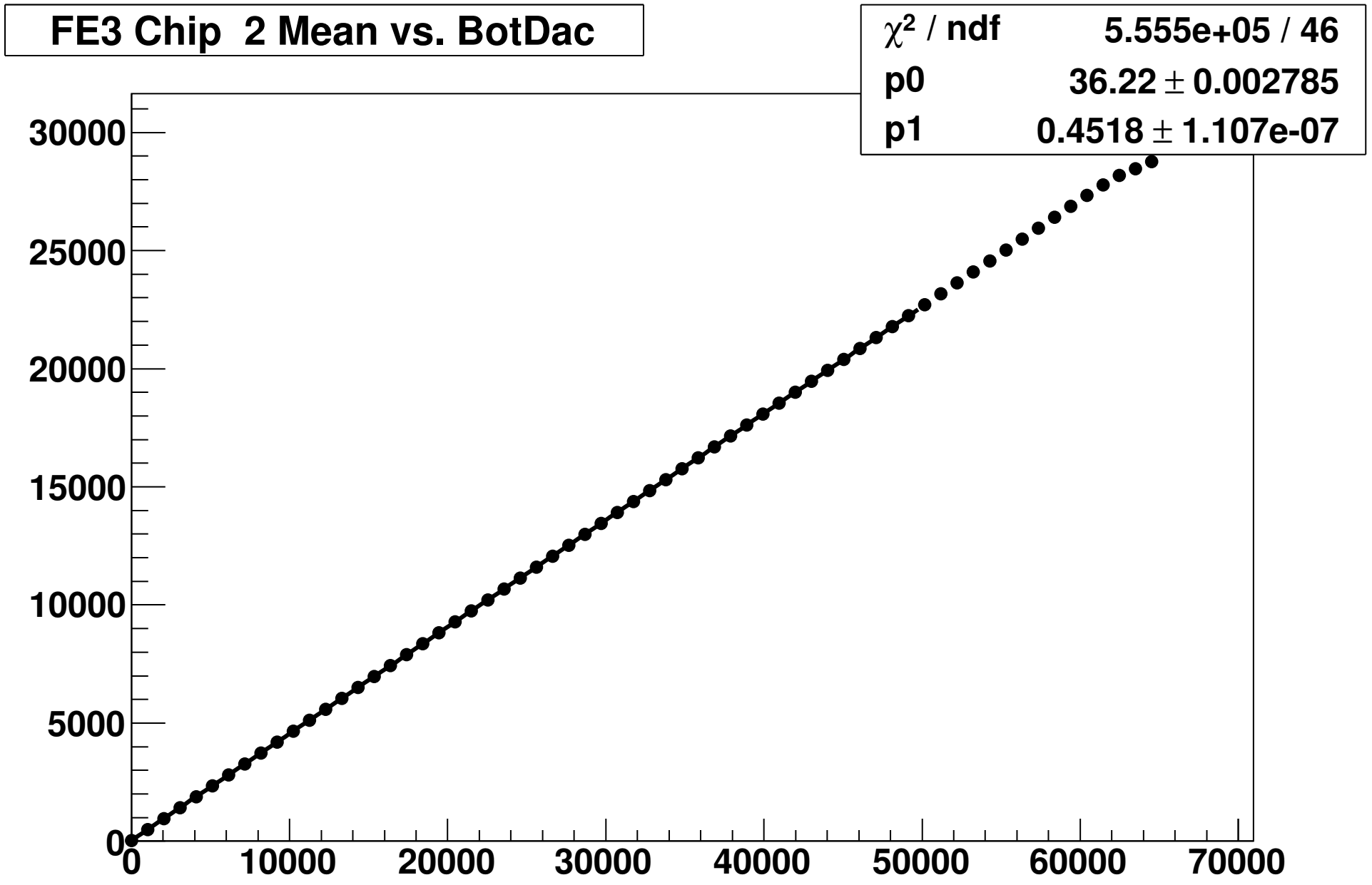

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 49.19 / 46
p0 1.585 ± 0.0009847
p1 -2.433e-15 ± 7.977e-07
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000
70000

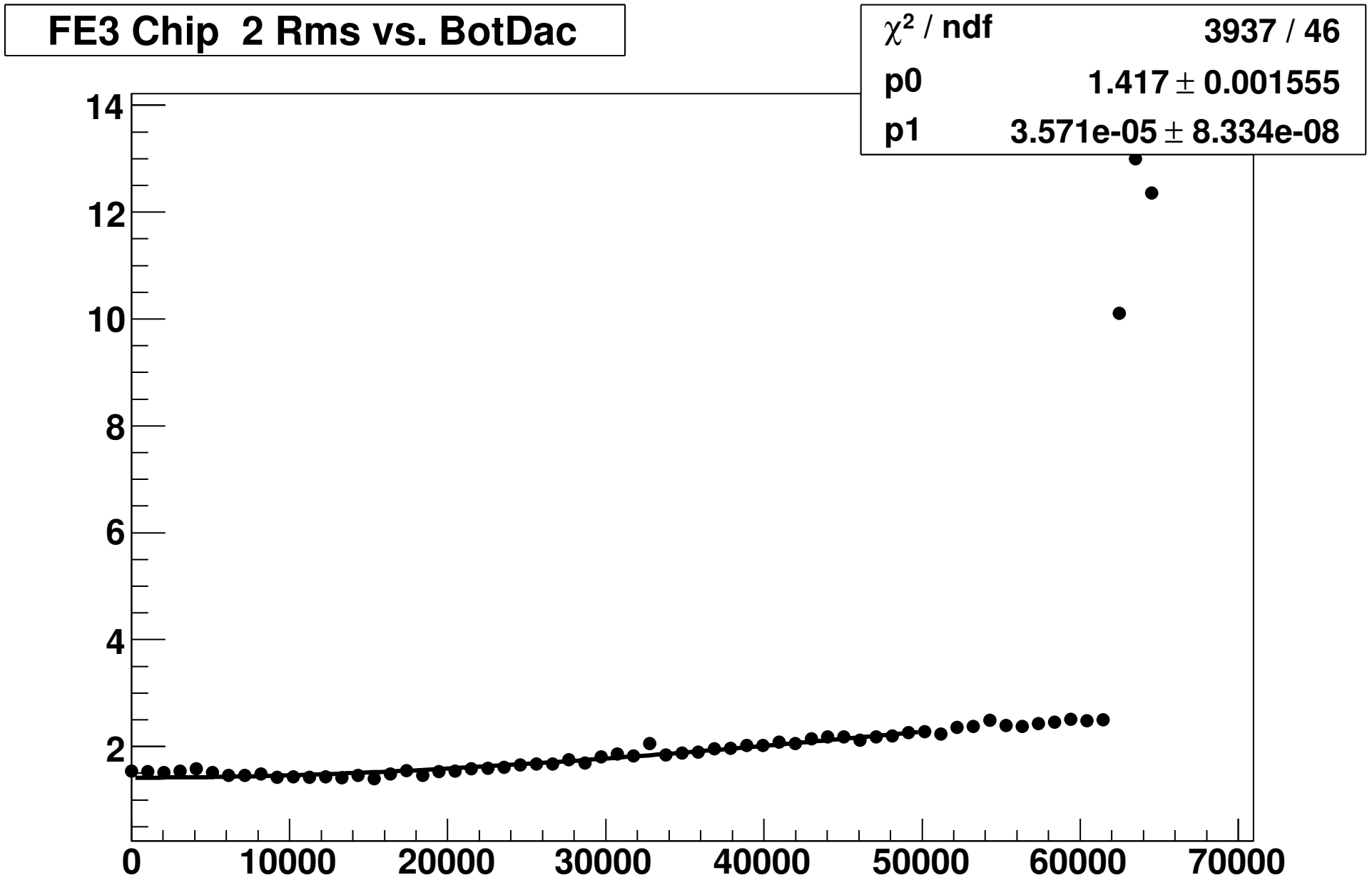

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.868e+05 / 46
p0 45.54 ± 0.002735
p1 0.4515 ± 1.092e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

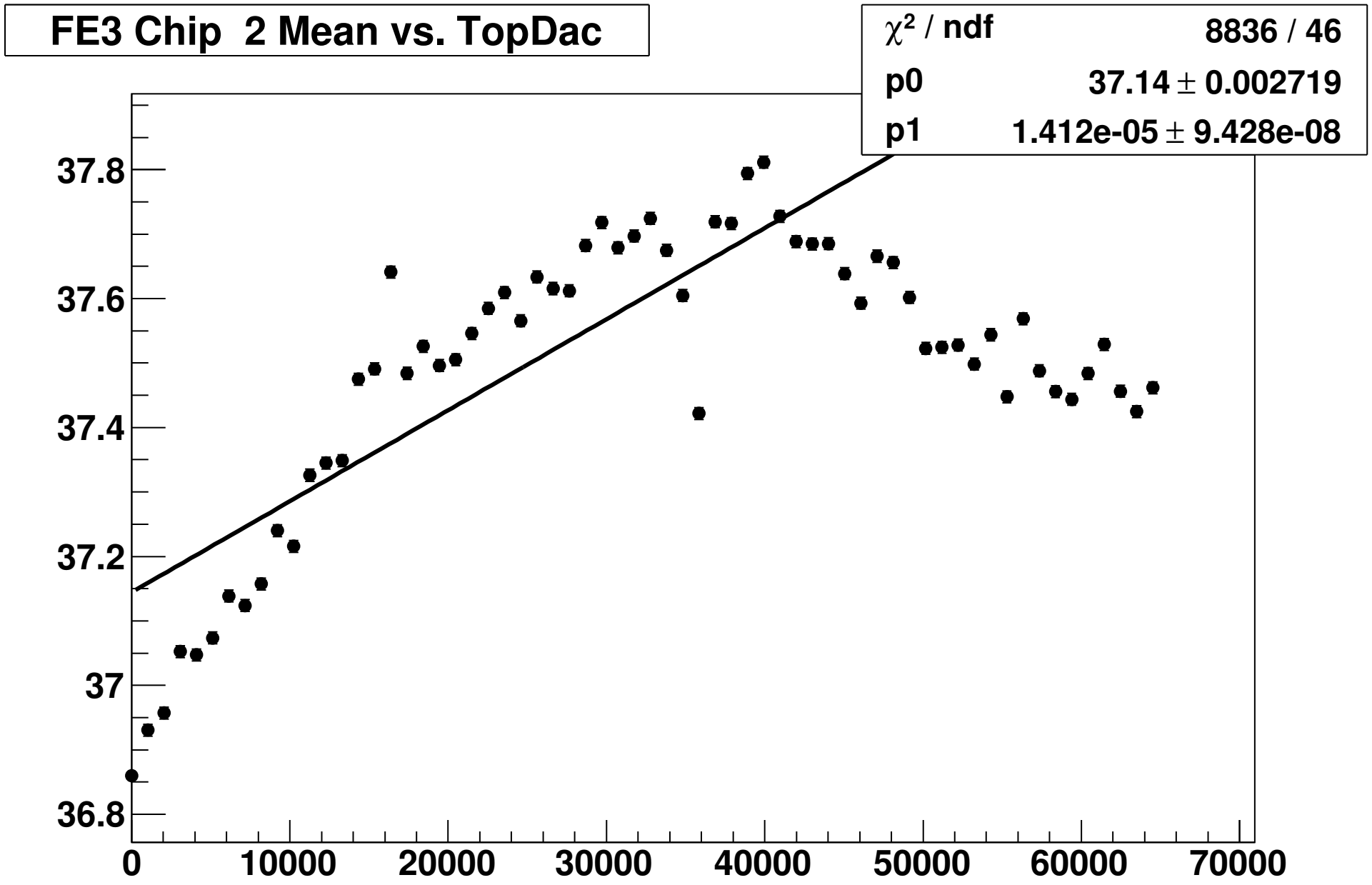

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 2269 / 46
p0 1.393 ± 0.001535
p1 3.592e-05 ± 8.149e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

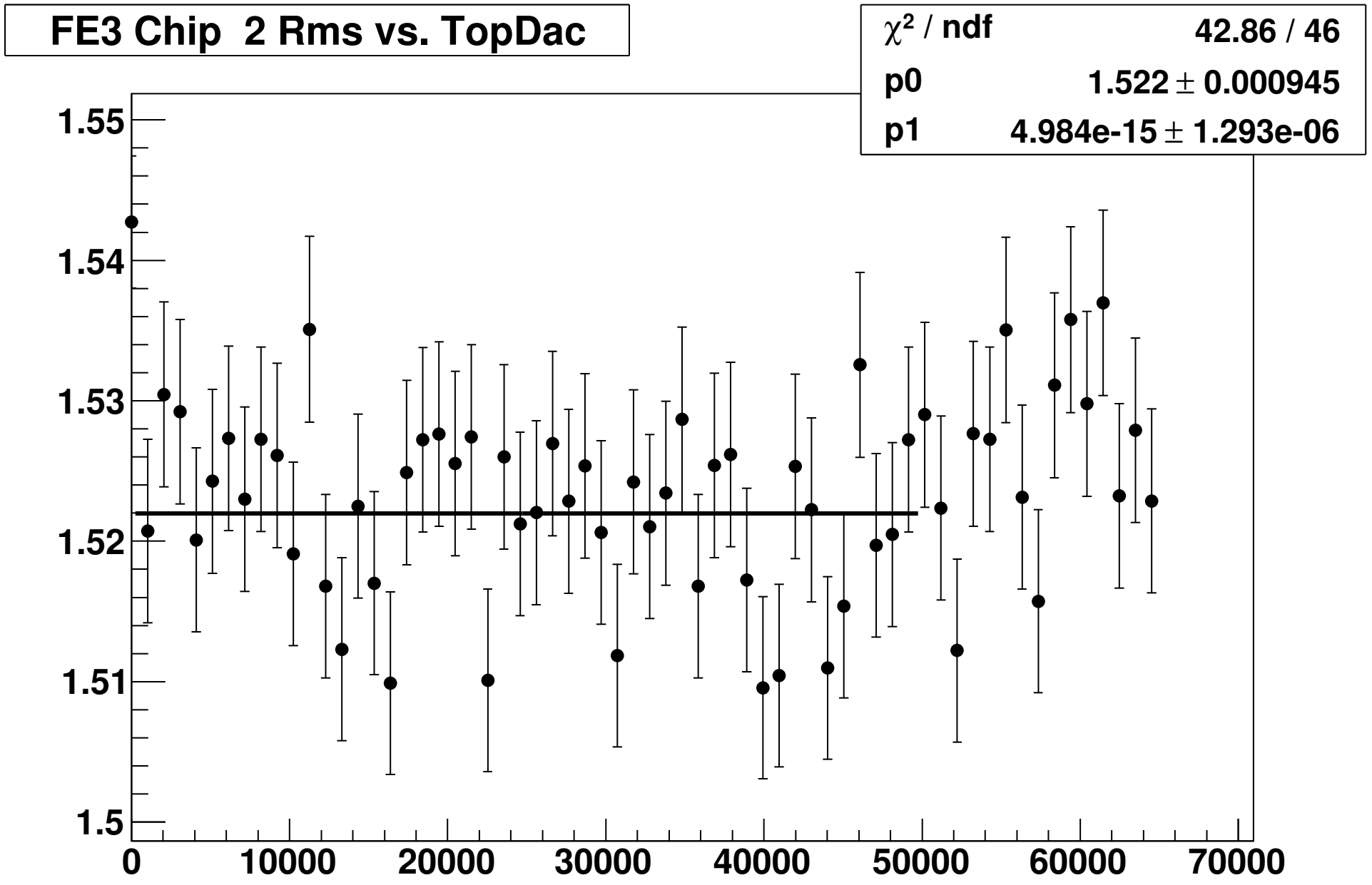

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 8165 / 46
p0 46.34 ± 0.002662
p1 1.398e-05 ± 9.258e-08
47
46.8
46.6
46.4
46.2
46
0
10000
20000
30000
40000
50000
60000
70000

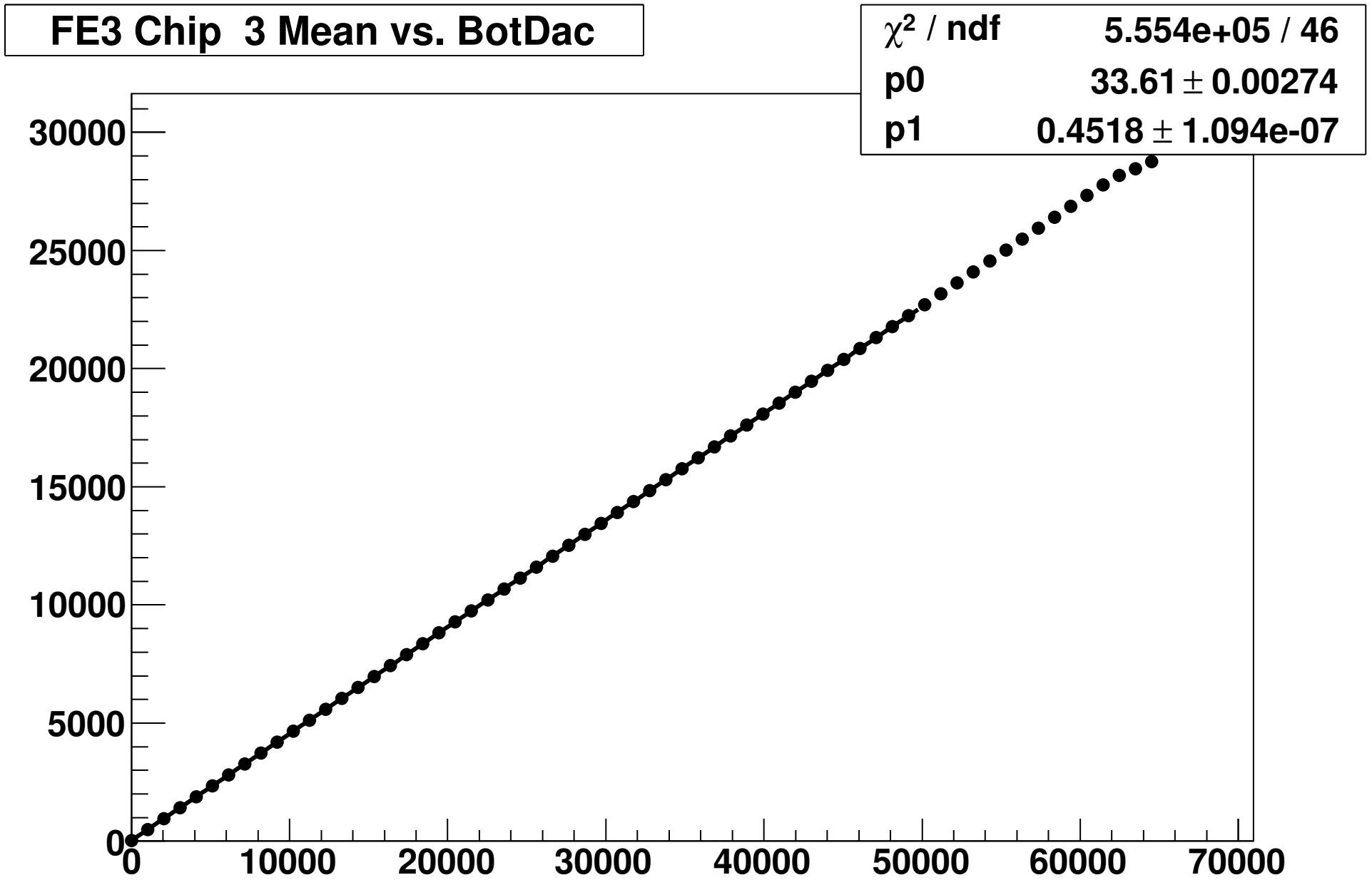

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 47.5 / 46
p0 1.493 ± 0.001402
p1 3.947e-06 ± 4.813e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

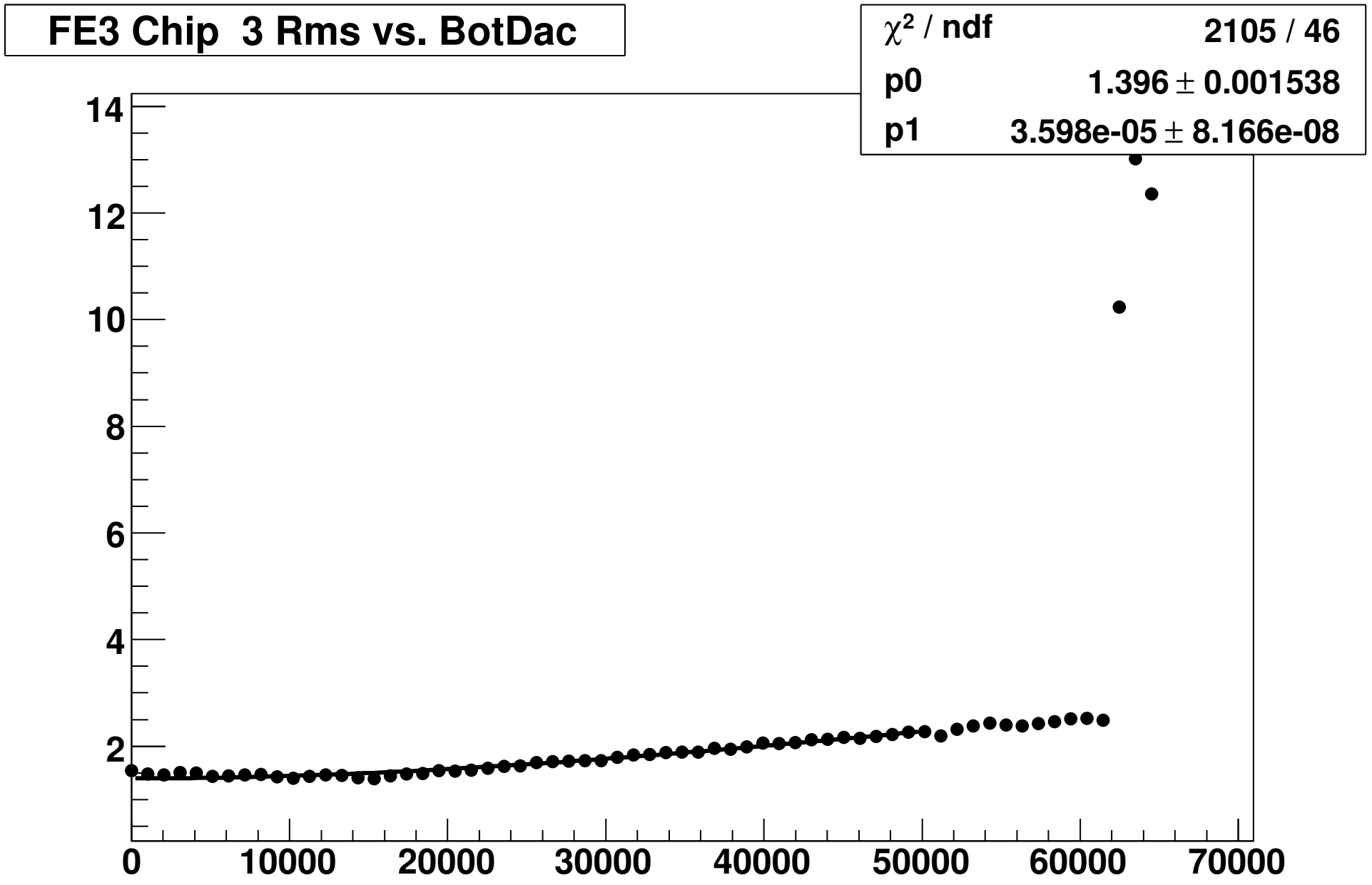

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 5.555e+05 / 46
p0 36.22 ± 0.002785
p1 0.4518 ± 1.107e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

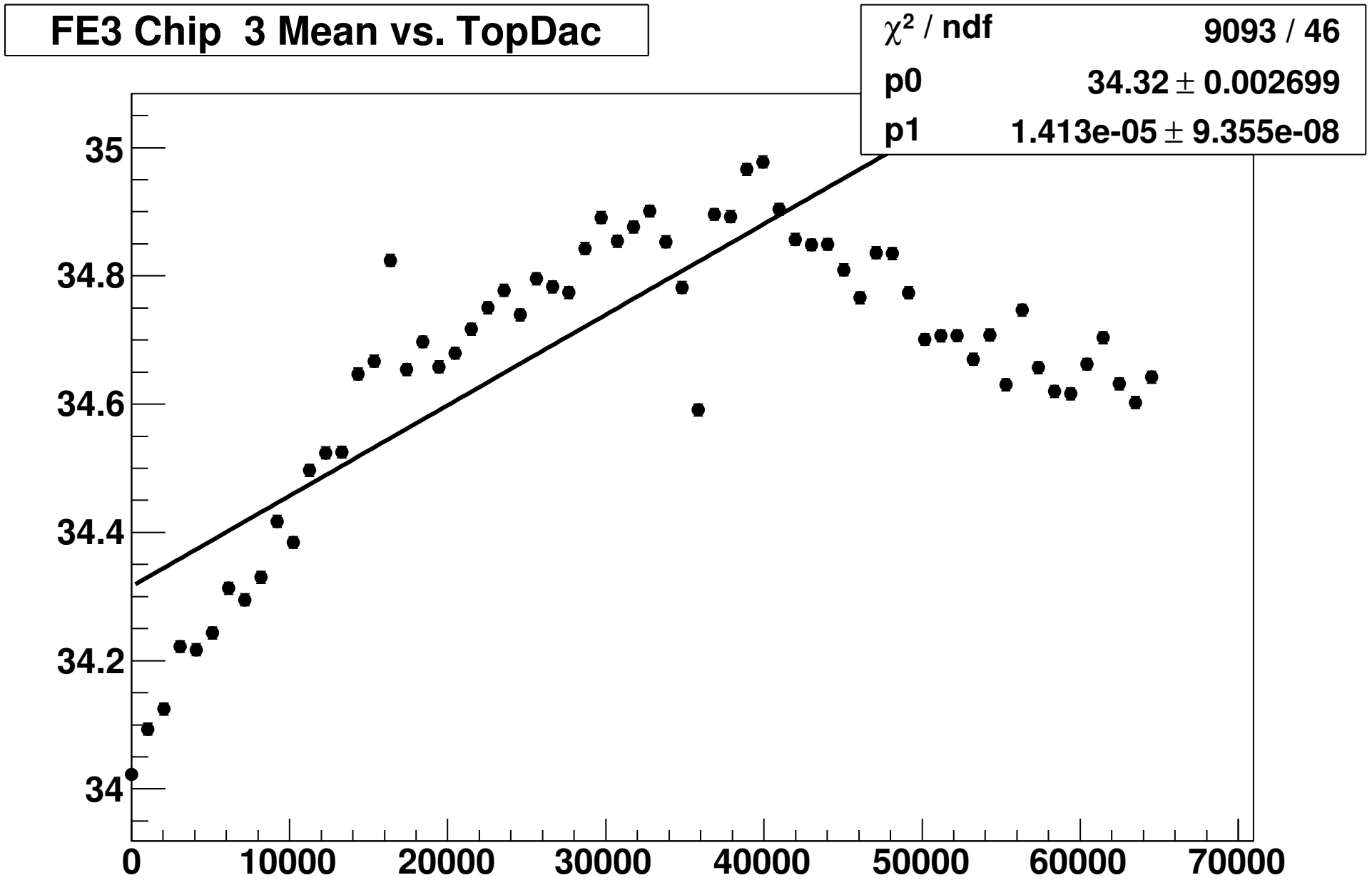

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 3937 / 46
p0 1.417 ± 0.001555
p1 3.571e-05 ± 8.334e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

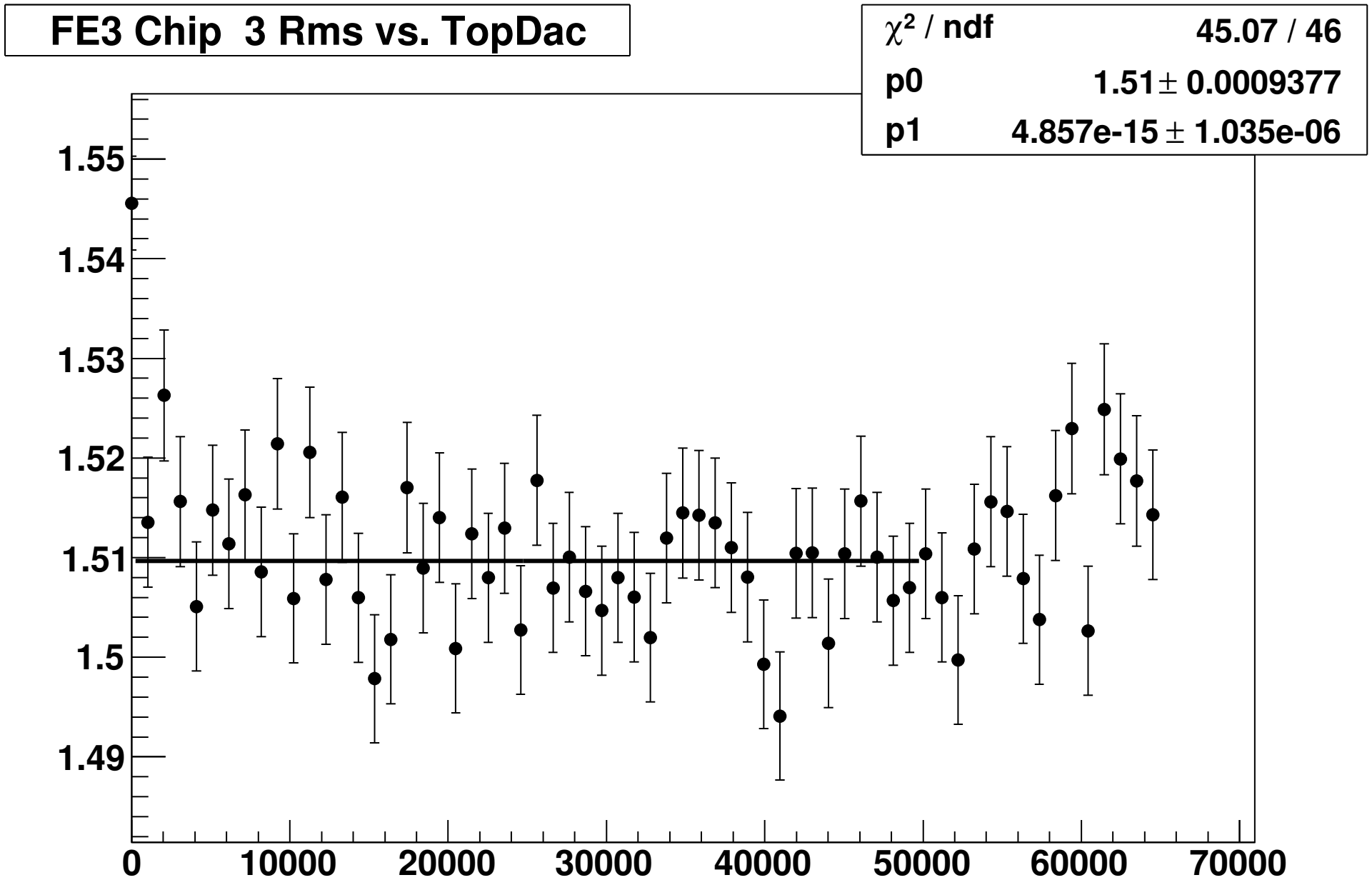

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 8836 / 46
p0 37.14 ± 0.002719
p1 1.412e-05 ± 9.428e-08
37.8
37.6
37.4
37.2
37
36.8
0
10000
20000
30000
40000
50000
60000
70000

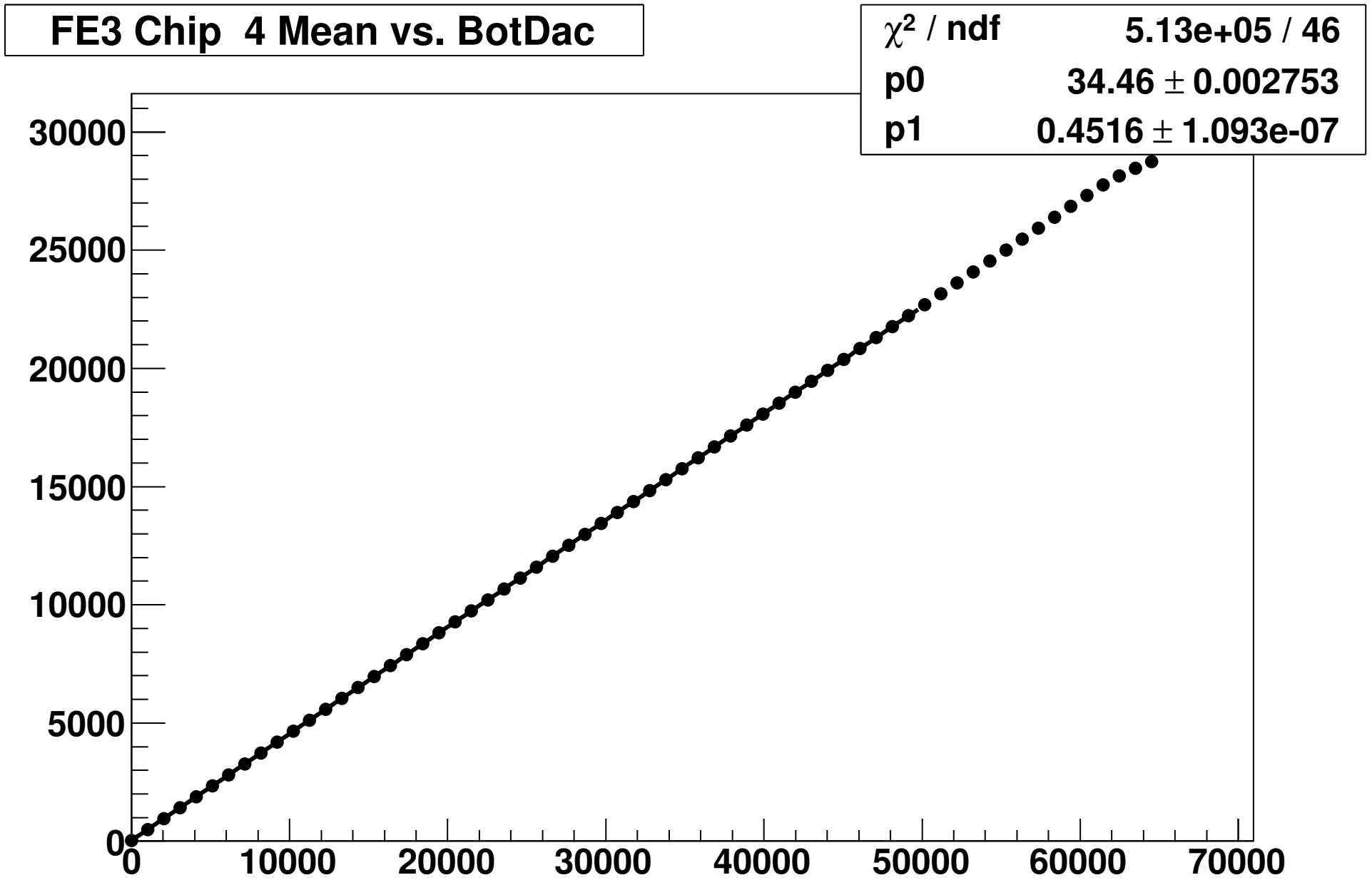

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 42.86 / 46
p0 1.522 ± 0.000945
p1 4.984e-15 ± 1.293e-06
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

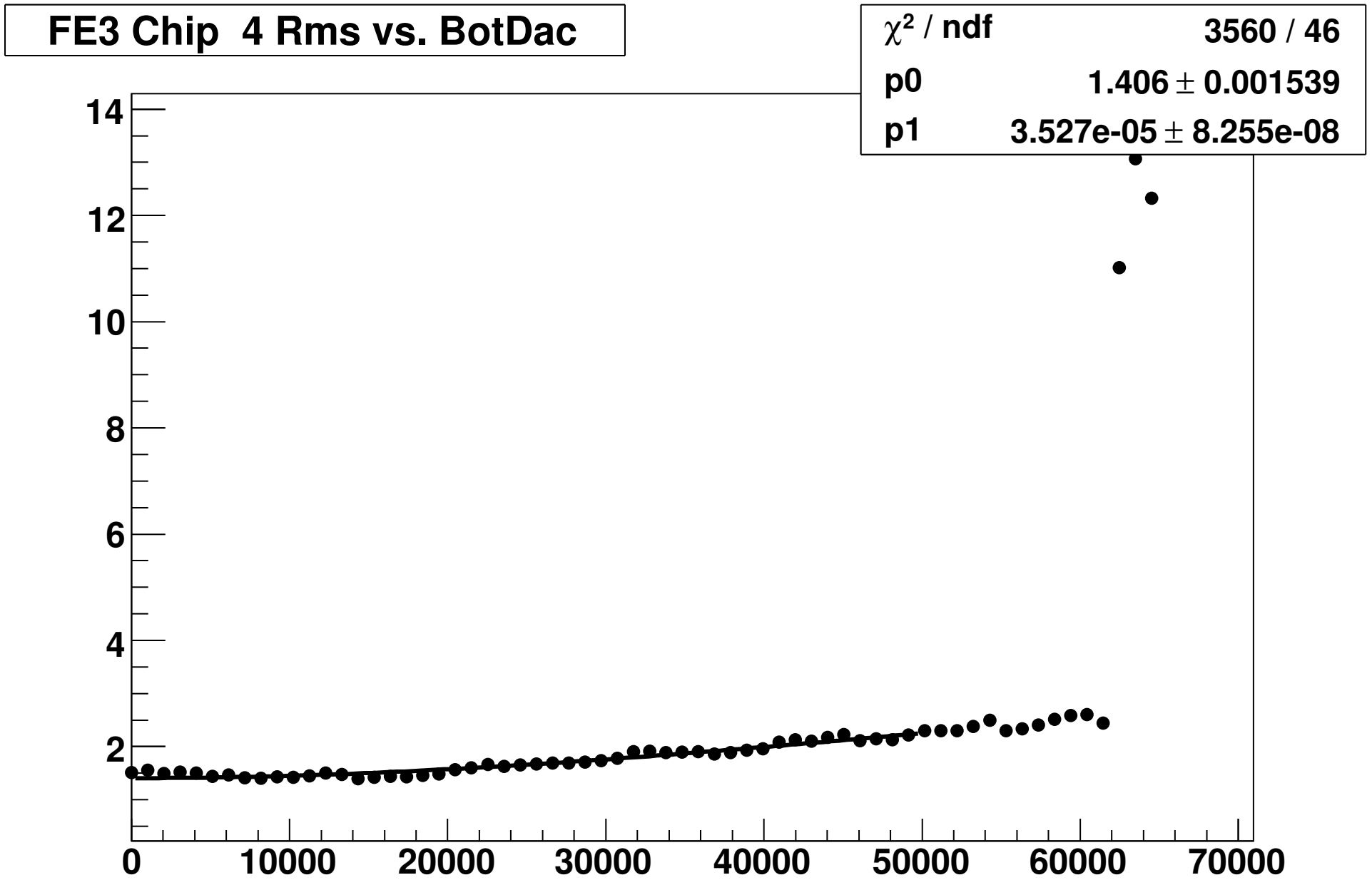

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 5.554e+05 / 46
p0 33.61 ± 0.00274
p1 0.4518 ± 1.094e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

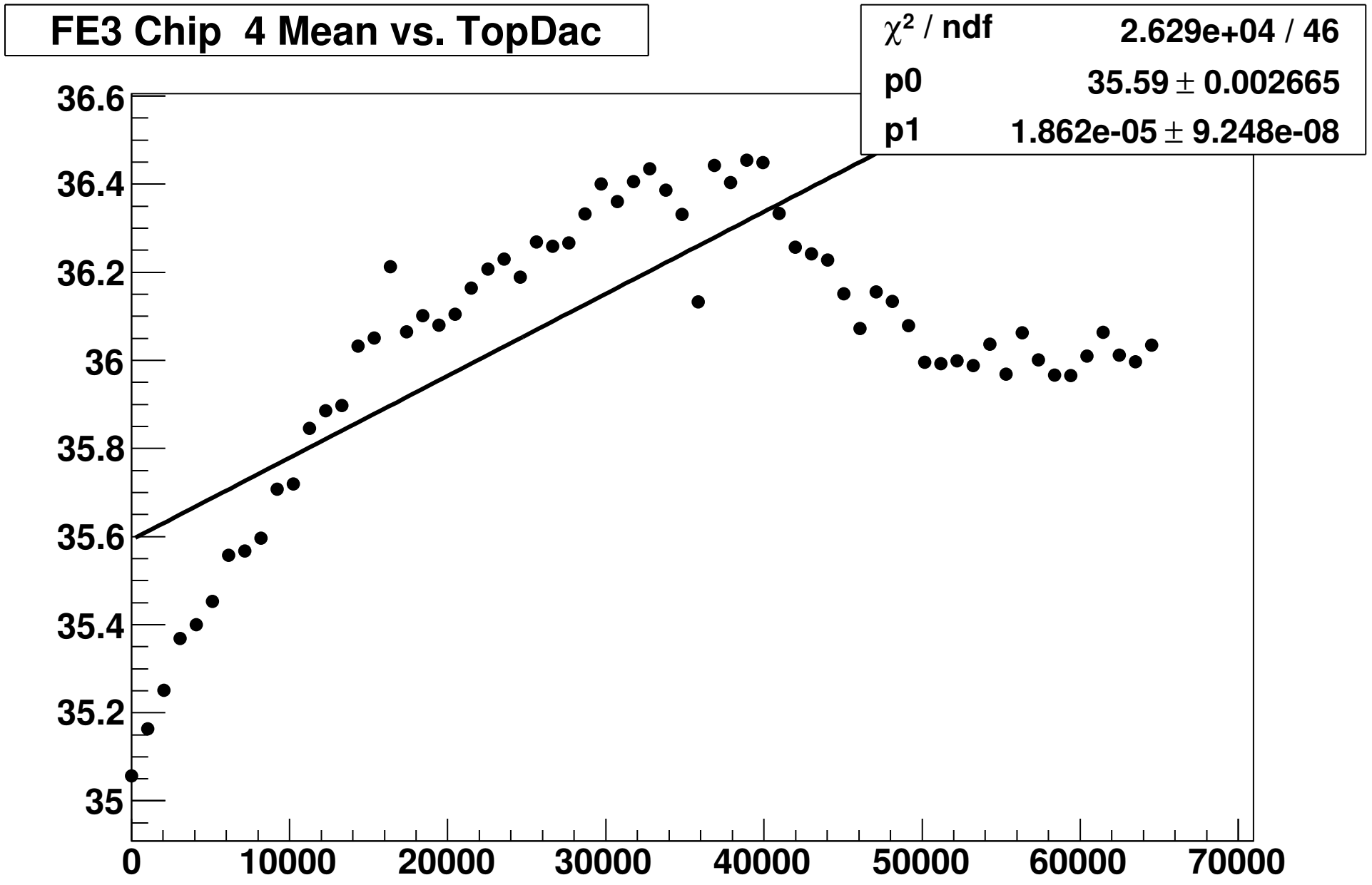

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 2105 / 46
p0 1.396 ± 0.001538
p1 3.598e-05 ± 8.166e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

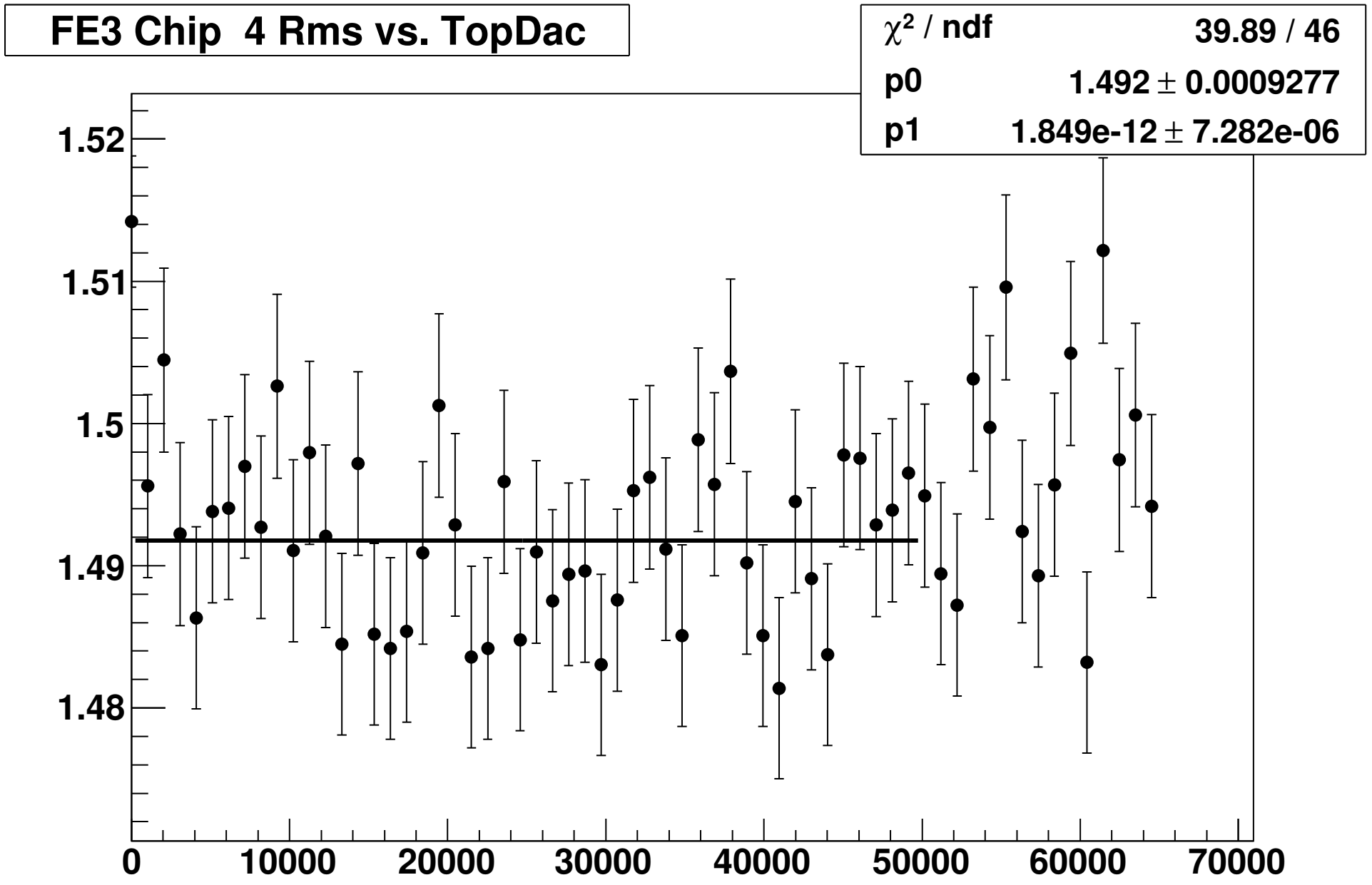

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 9093 / 46
p0 34.32 ± 0.002699
p1 1.413e-05 ± 9.355e-08
35
34.8
34.6
34.4
34.2
34
0
10000
20000
30000
40000
50000
60000
70000

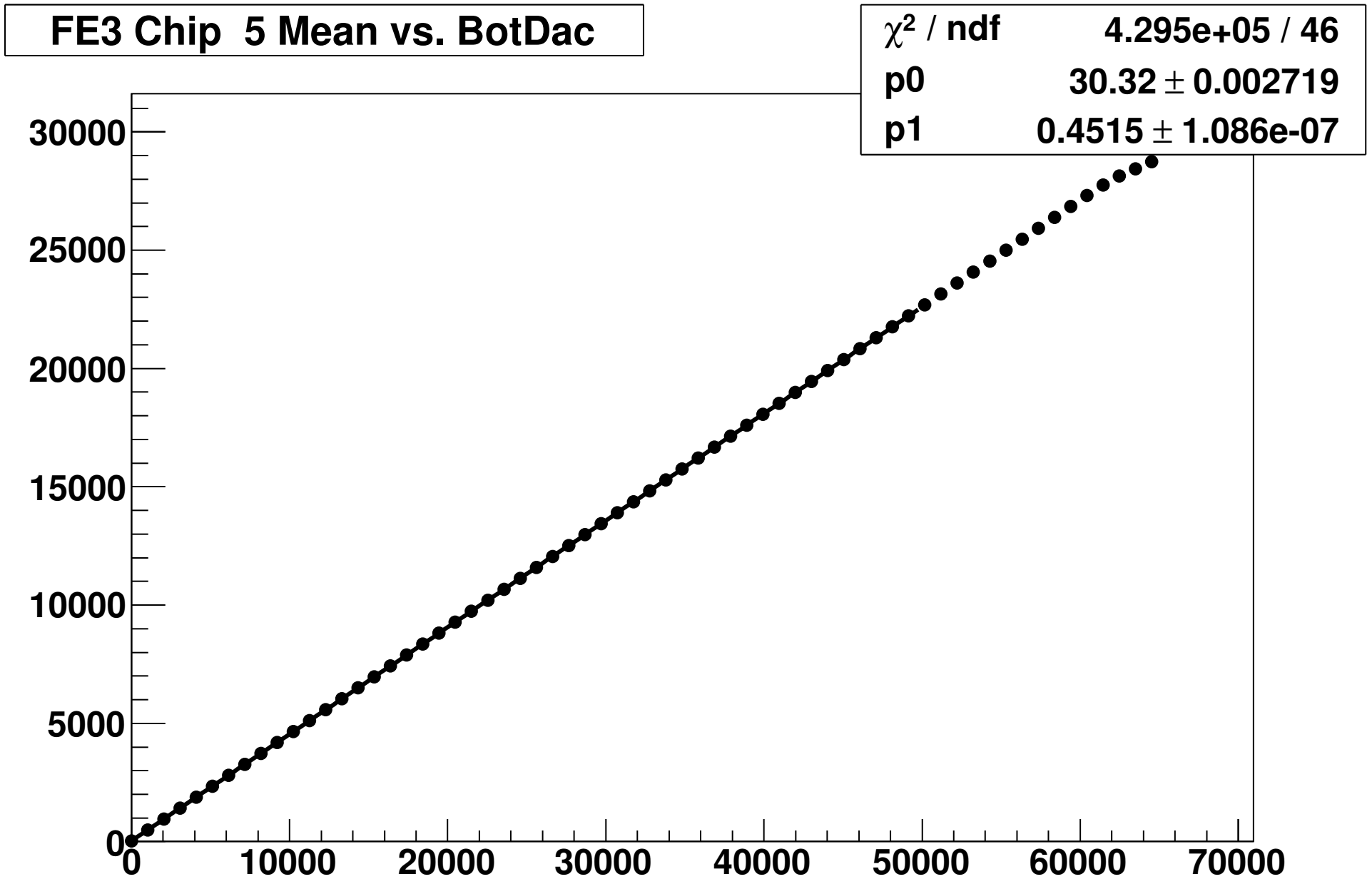

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 45.07 / 46
p0 1.51 ± 0.0009377
p1 4.857e-15 ± 1.035e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

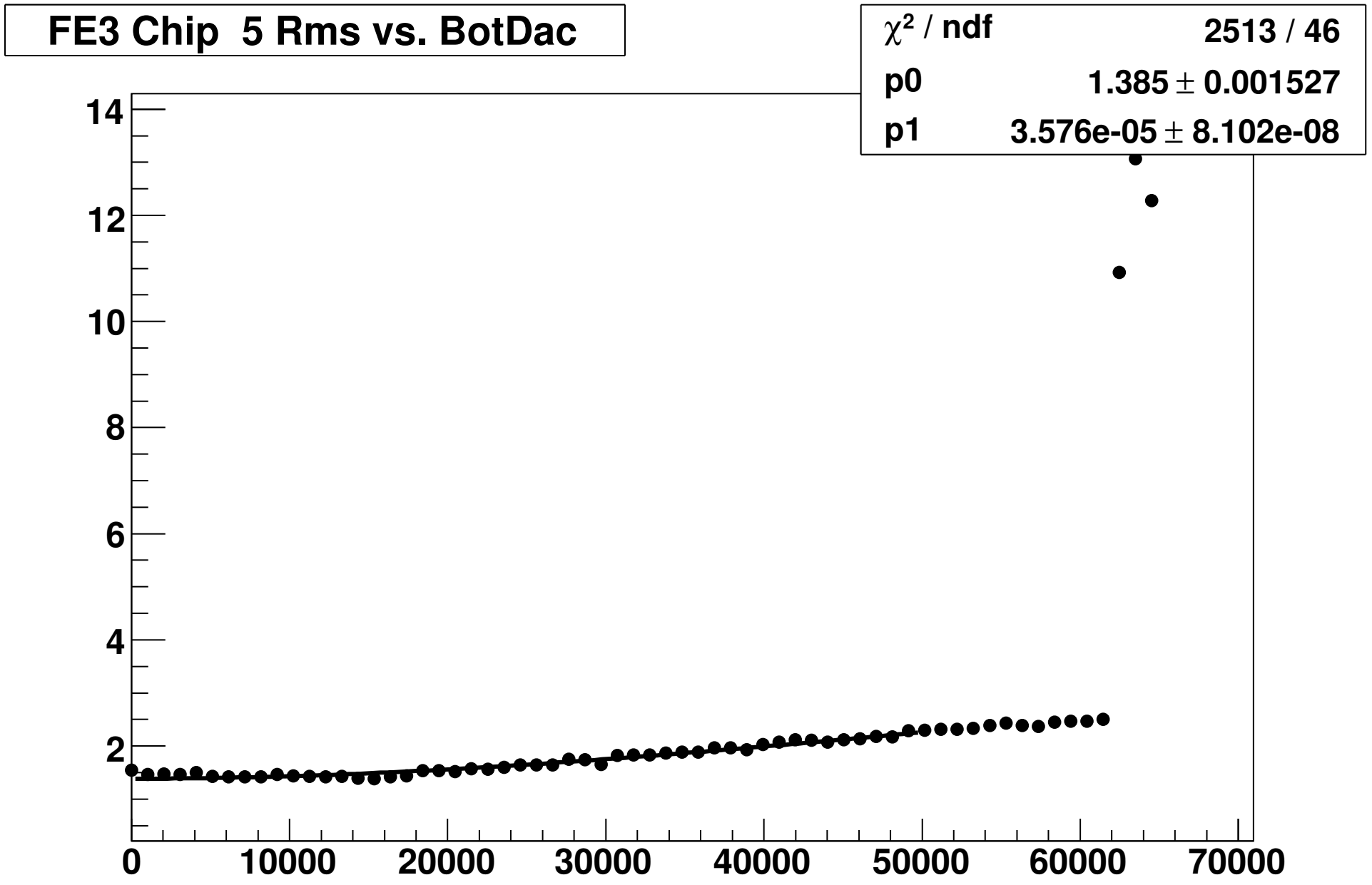

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 5.13e+05 / 46
p0 34.46 ± 0.002753
p1 0.4516 ± 1.093e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

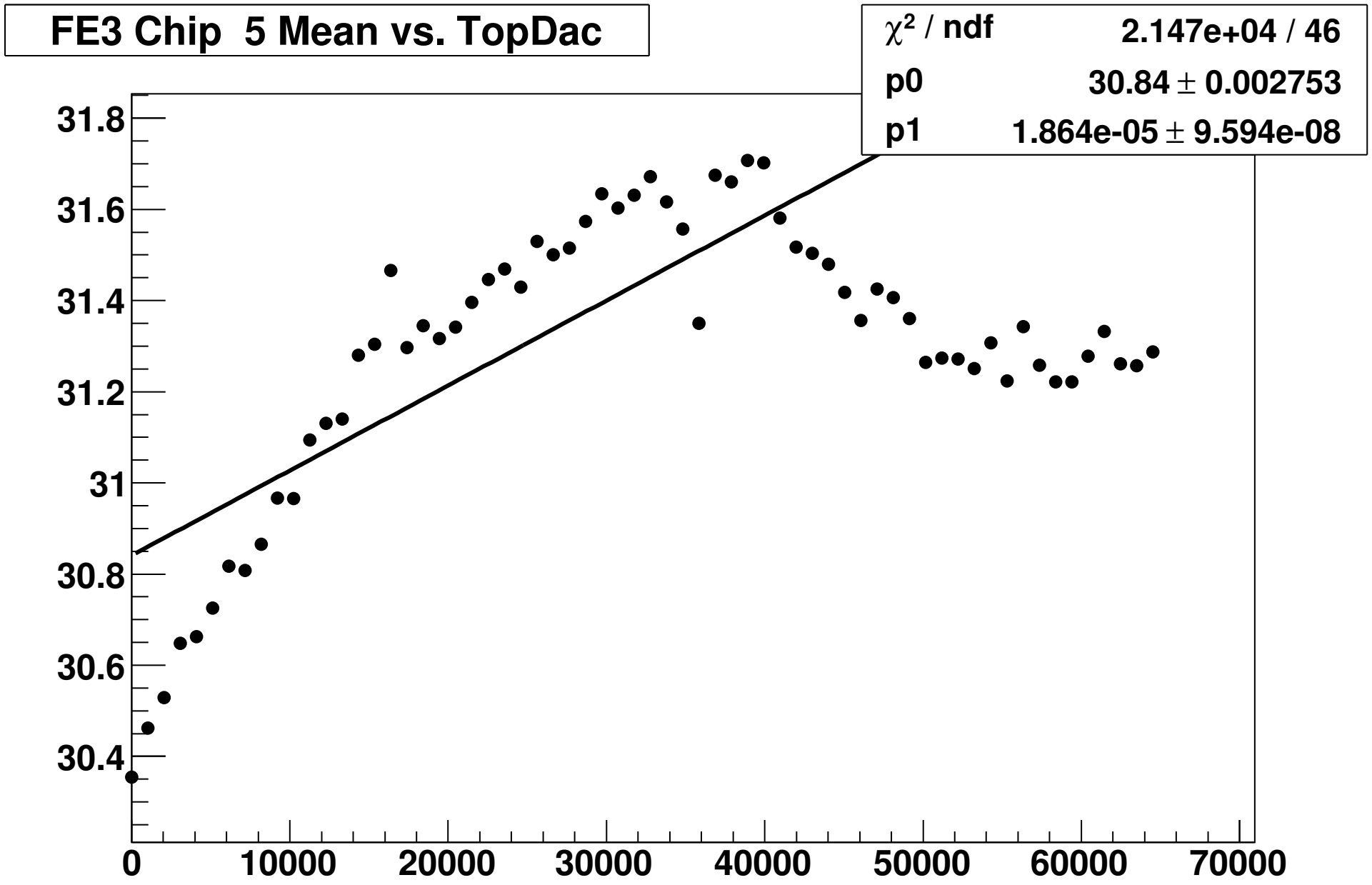

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 3560 / 46
p0 1.406 ± 0.001539
p1 3.527e-05 ± 8.255e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 2.629e+04 / 46
p0 35.59 ± 0.002665
p1 1.862e-05 ± 9.248e-08
36.6
36.4
36.2
36
35.8
35.6
35.4
35.2
35
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 39.89 / 46
p0 1.492 ± 0.0009277
p1 1.849e-12 ± 7.282e-06
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.295e+05 / 46
p0 30.32 ± 0.002719
p1 0.4515 ± 1.086e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 2513 / 46
p0 1.385 ± 0.001527
p1 3.576e-05 ± 8.102e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 2.147e+04 / 46
p0 30.84 ± 0.002753
p1 1.864e-05 ± 9.594e-08
31.8
31.6
31.4
31.2
31
30.8
30.6
30.4
0
10000
20000
30000
40000
50000
60000
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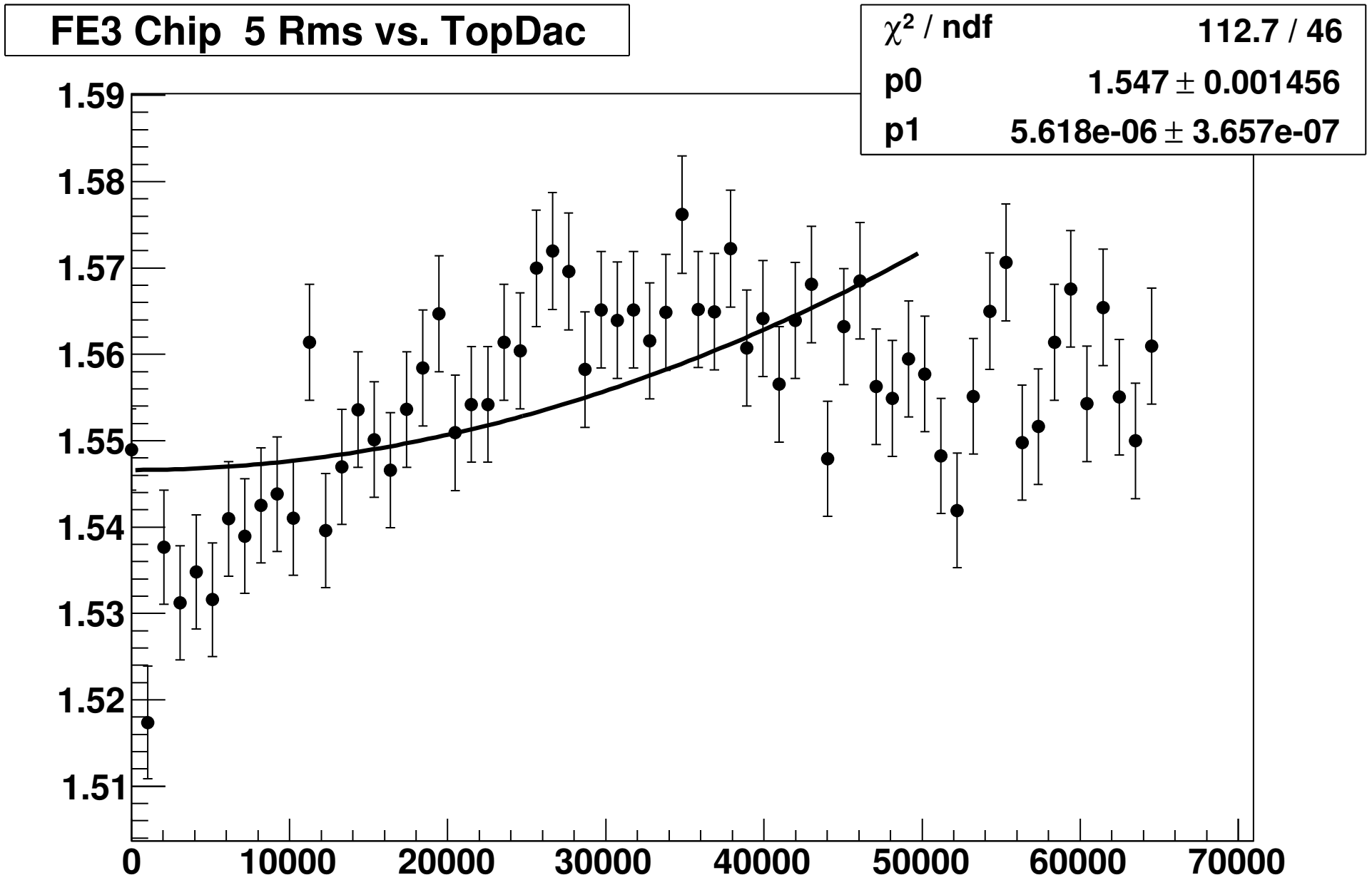
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 112.7 / 46
p0 1.547 ± 0.001456
p1 5.618e-06 ± 3.657e-07
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
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60000
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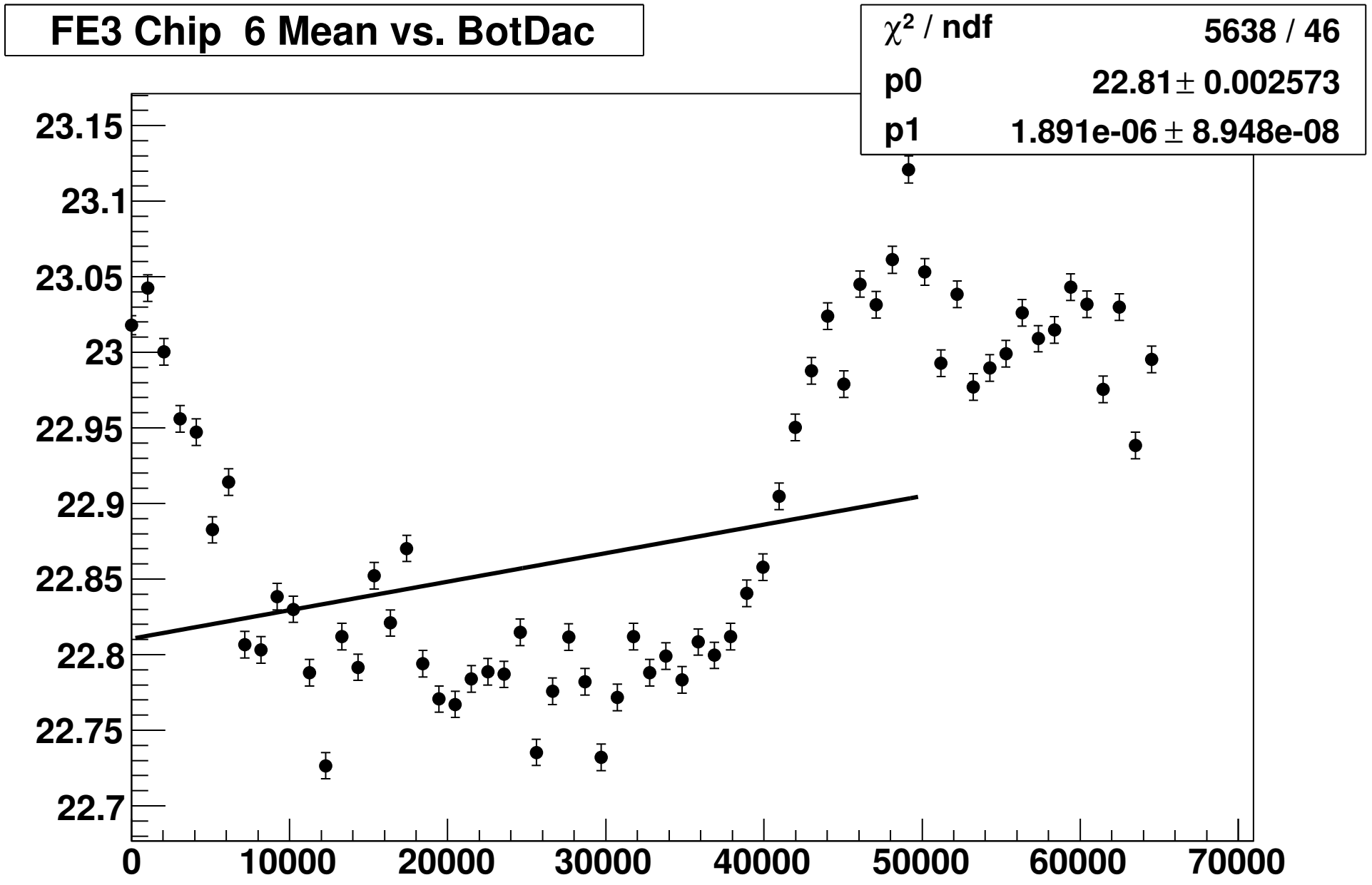
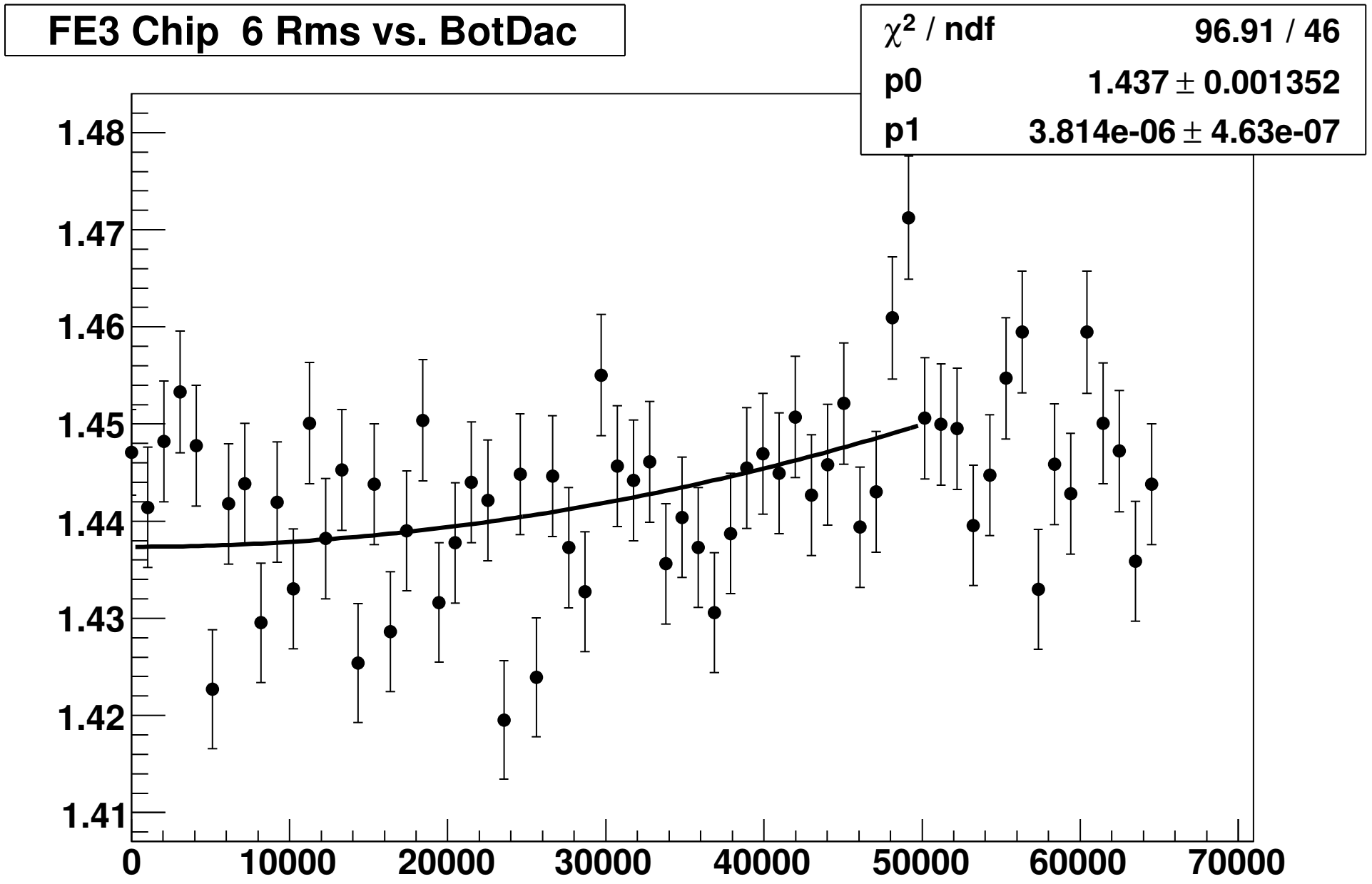

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 5638 / 46
p0 22.81 ± 0.002573
p1 1.891e-06 ± 8.948e-08
23.15
23.1
23.05
23
22.95
22.9
22.85
22.8
22.75
22.7
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 96.91 / 46
p0 1.437 ± 0.001352
p1 3.814e-06 ± 4.63e-07
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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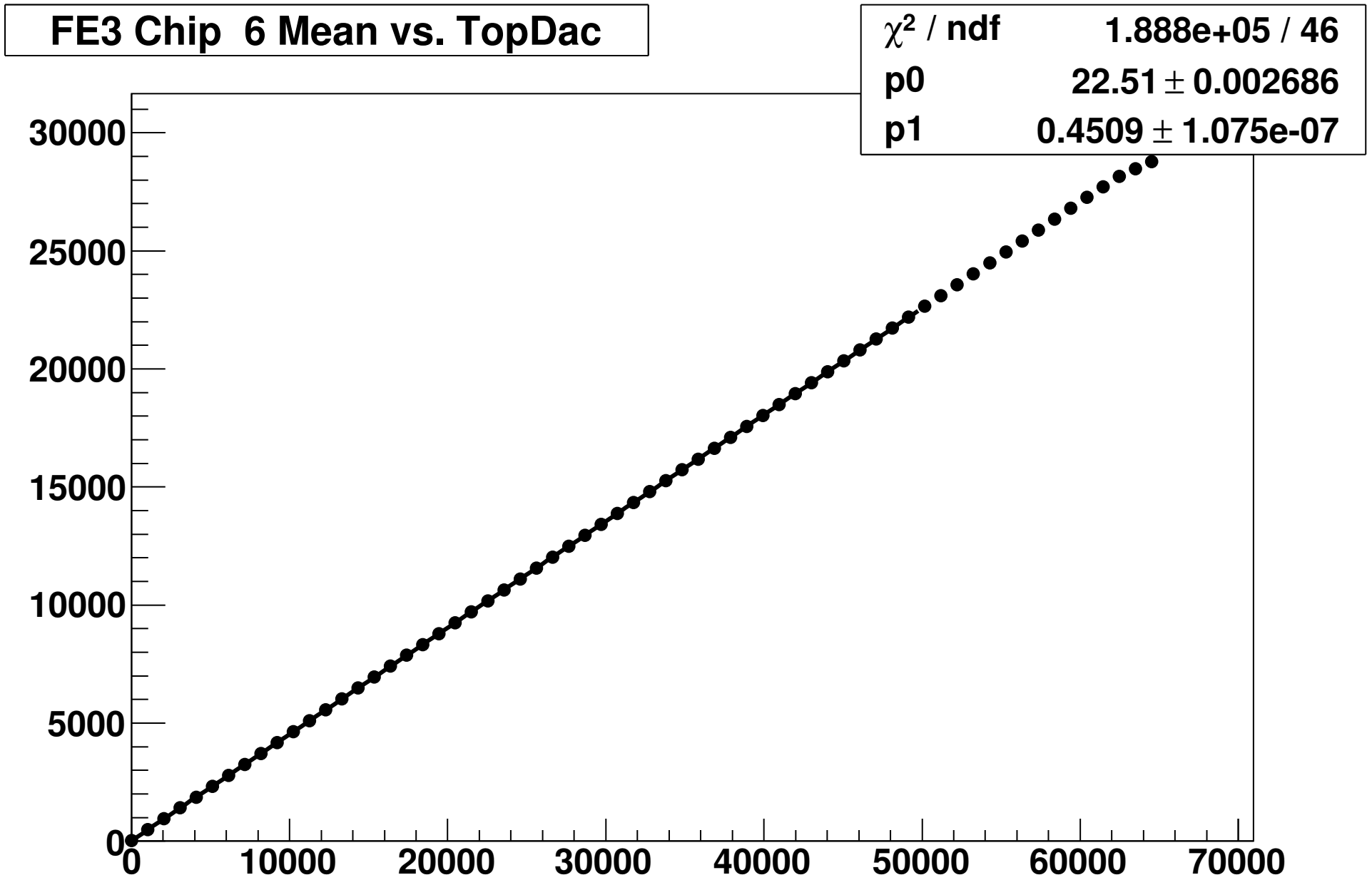
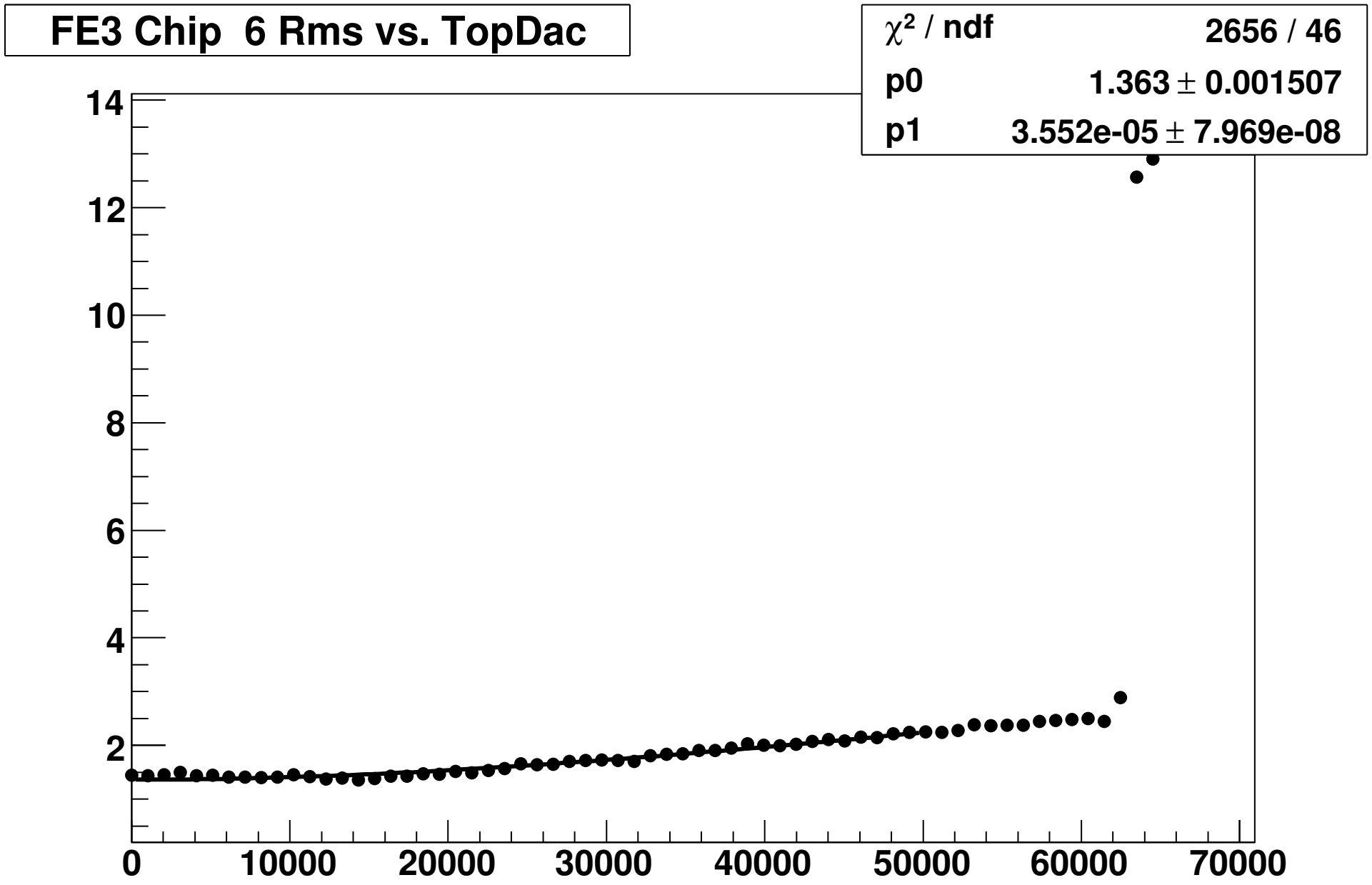
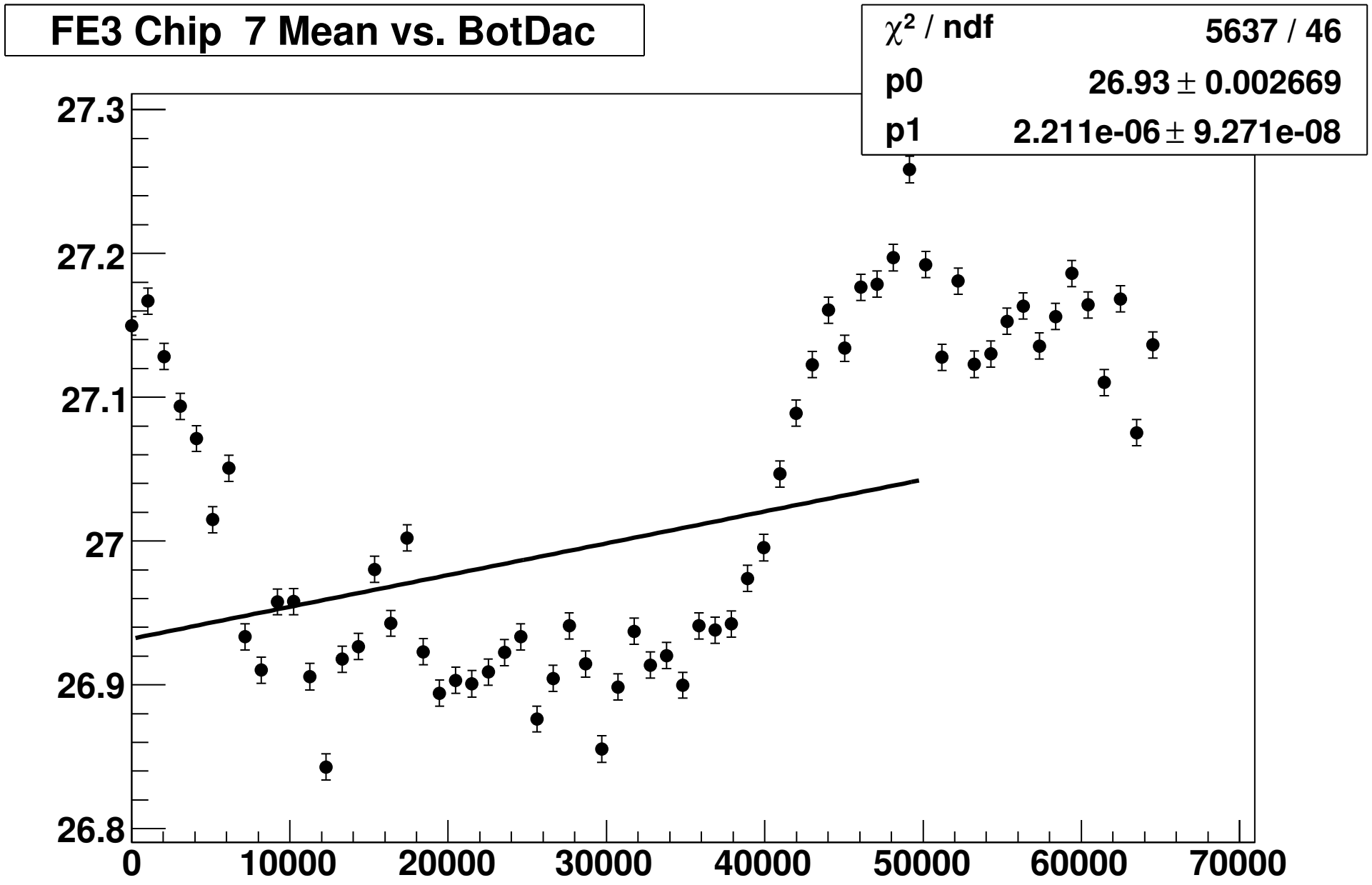
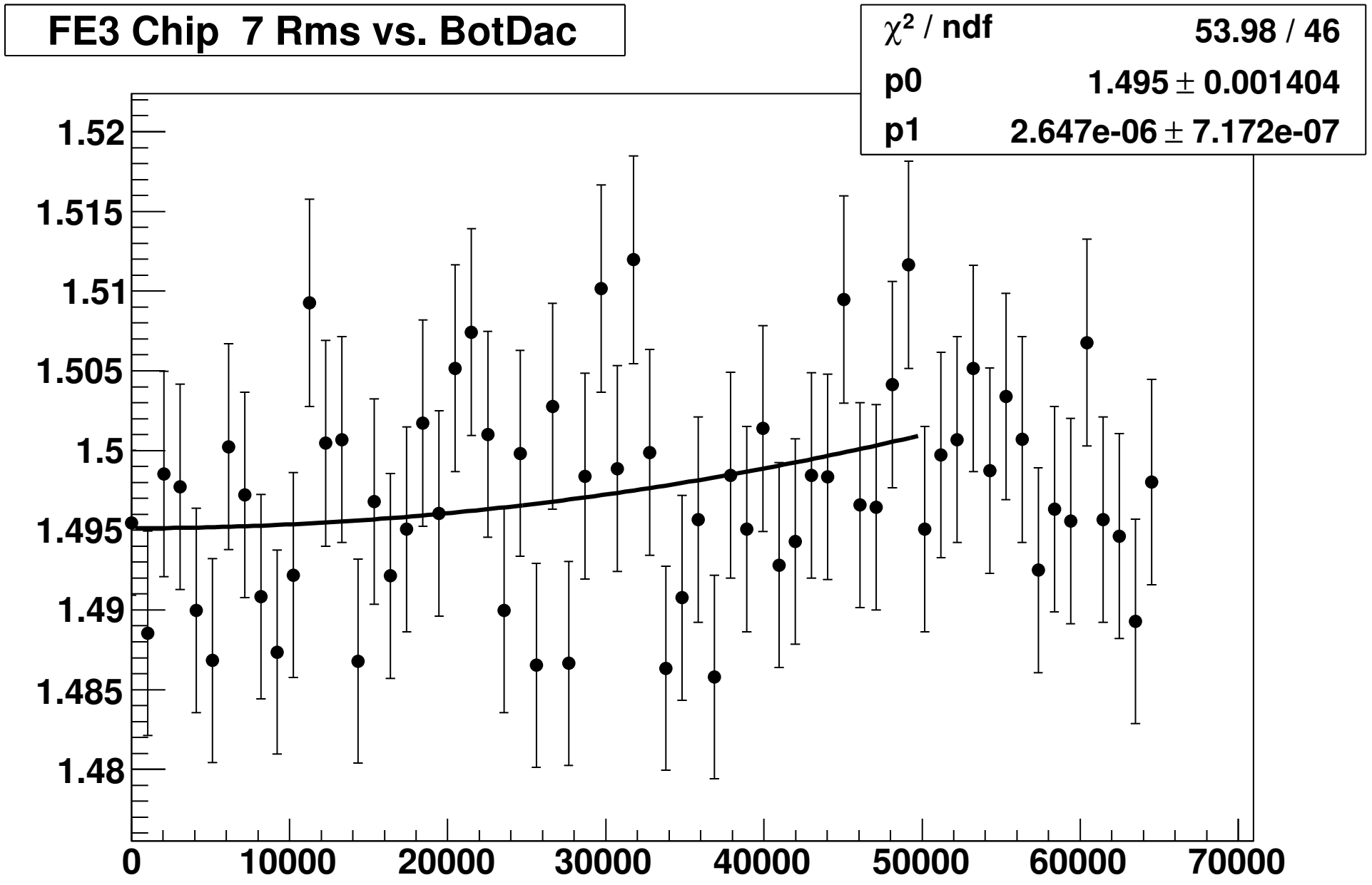
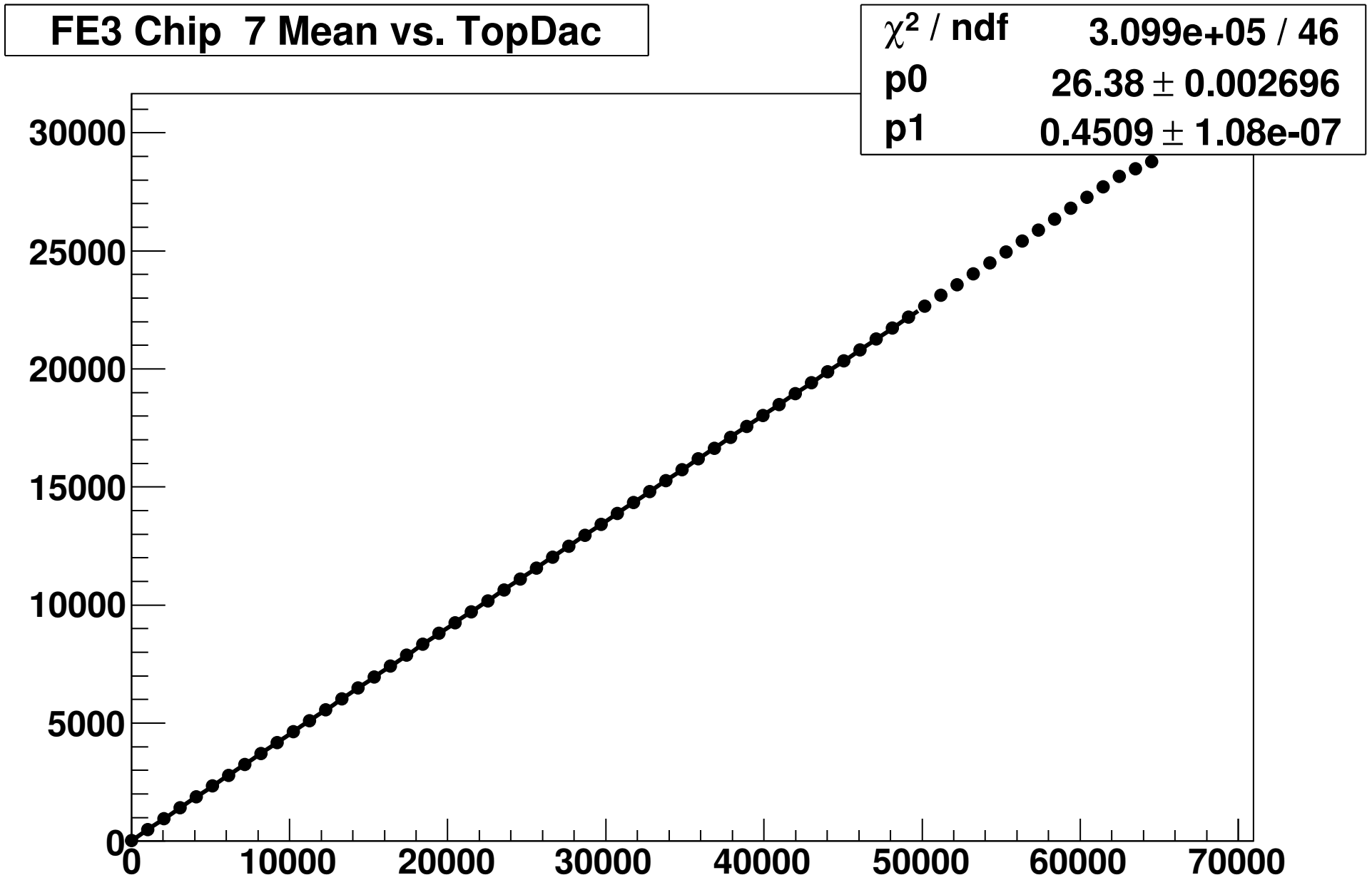
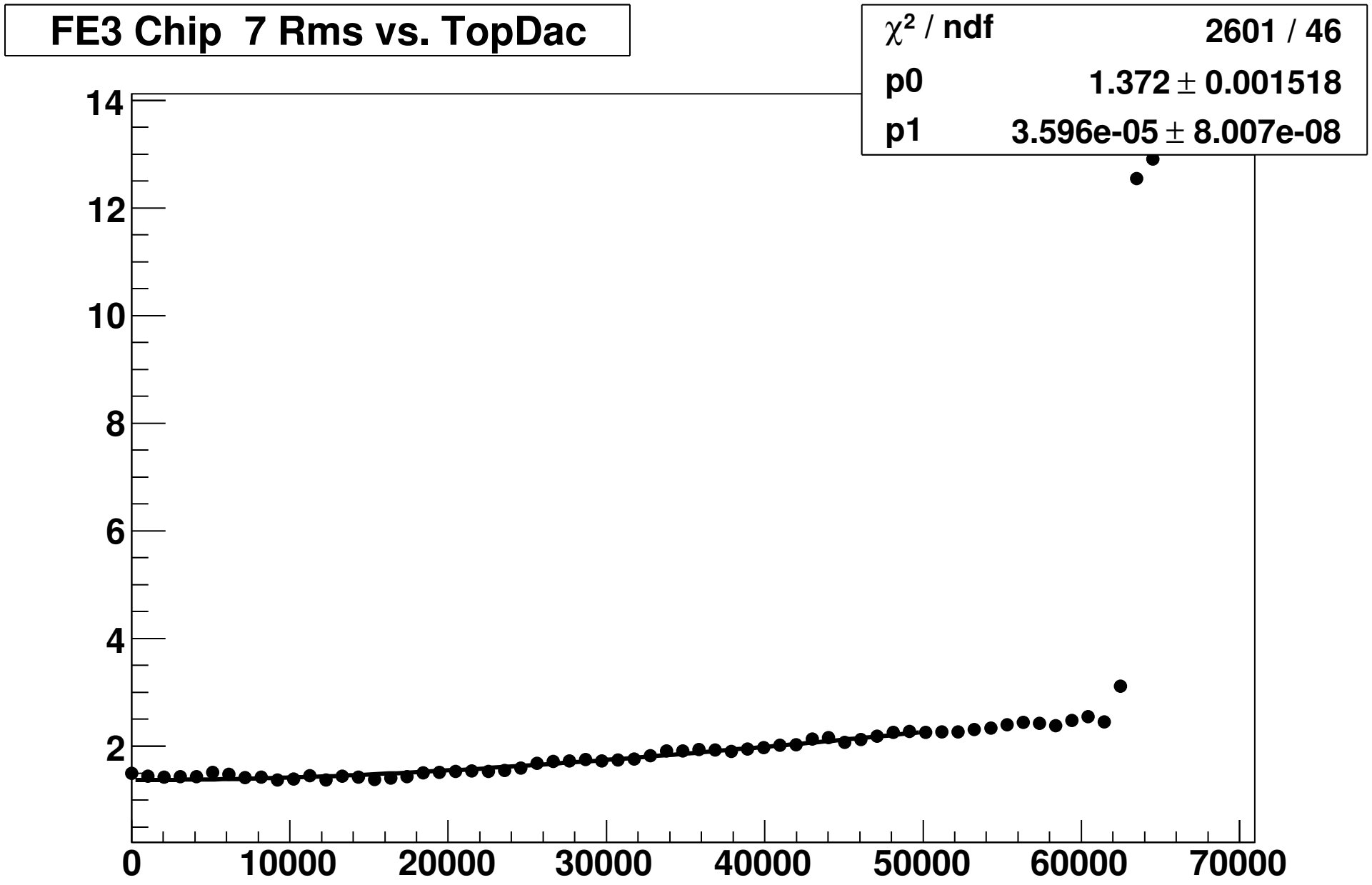

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.888e+05 / 46
p0 22.51 ± 0.002686
p1 0.4509 ± 1.075e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 2656 / 46
p0 1.363 ± 0.001507
p1 3.552e-05 ± 7.969e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 5637 / 46
p0 26.93 ± 0.002669
p1 2.211e-06 ± 9.271e-08
27.3
27.2
27.1
27
26.9
26.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 53.98 / 46
p0 1.495 ± 0.001404
p1 2.647e-06 ± 7.172e-07
1.52
1.515
1.51
1.505
1.5
1.495
1.49
1.485
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 3.099e+05 / 46
p0 26.38 ± 0.002696
p1 0.4509 ± 1.08e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 2601 / 46
p0 1.372 ± 0.001518
p1 3.596e-05 ± 8.007e-08
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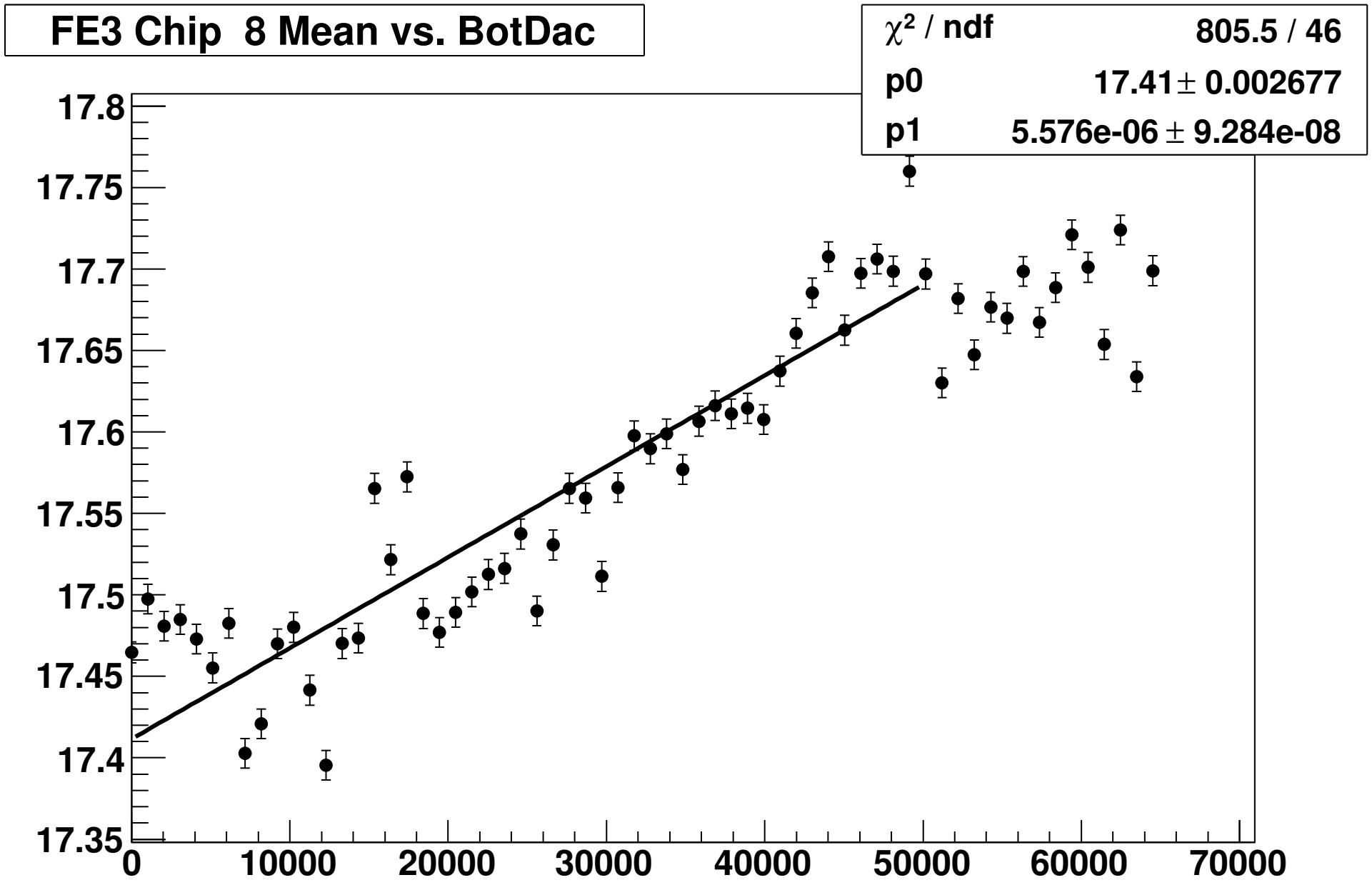
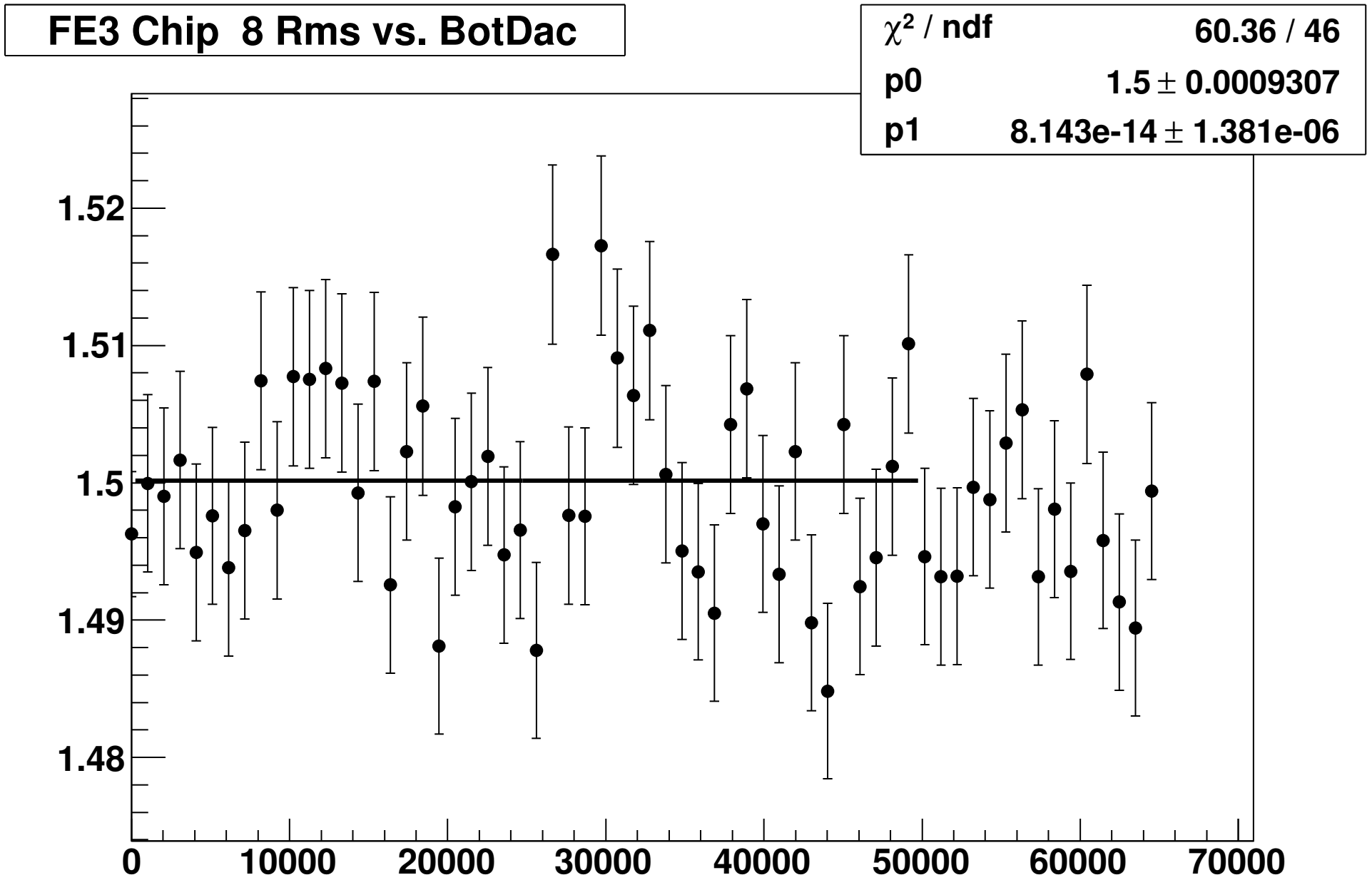
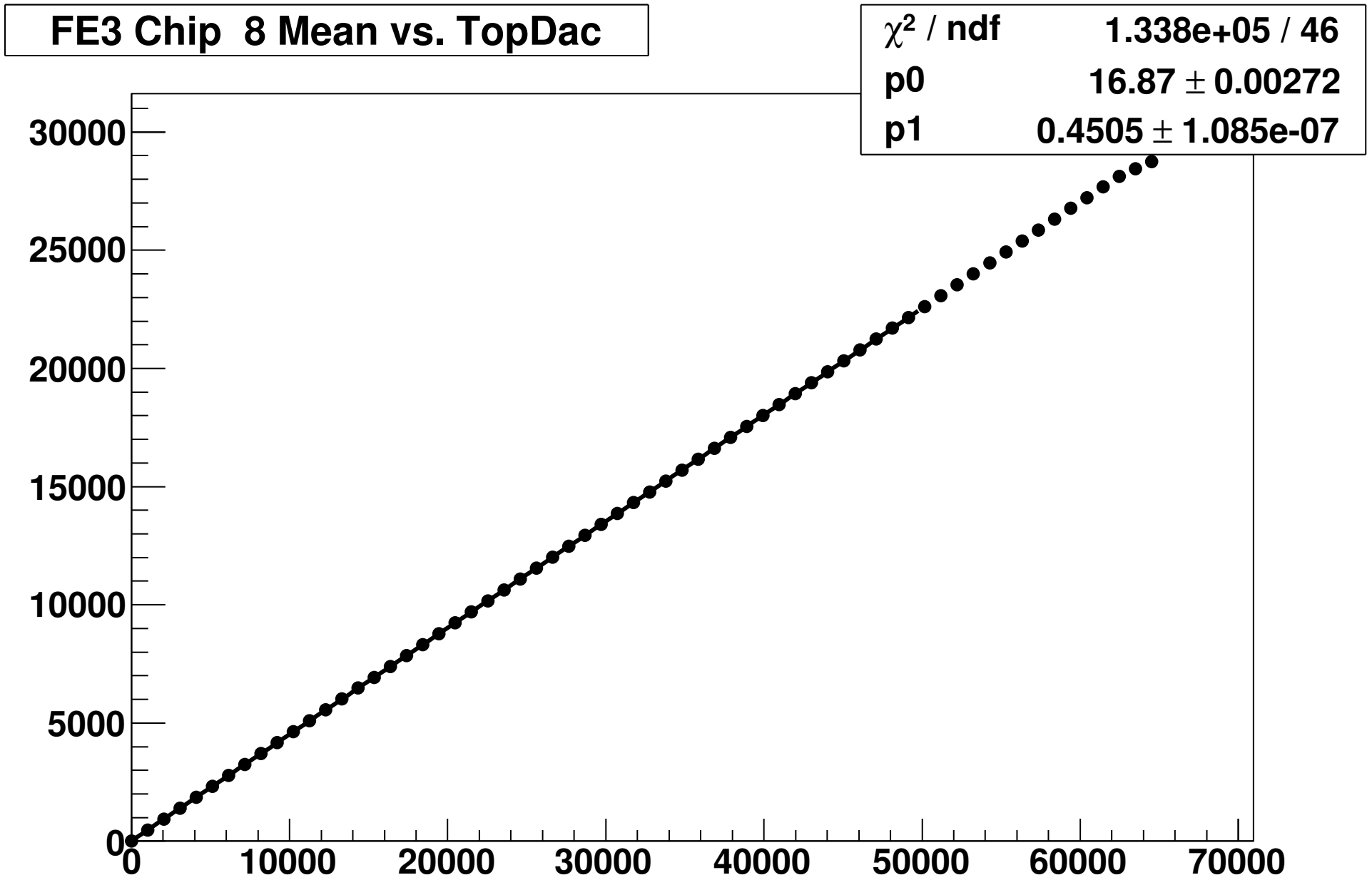
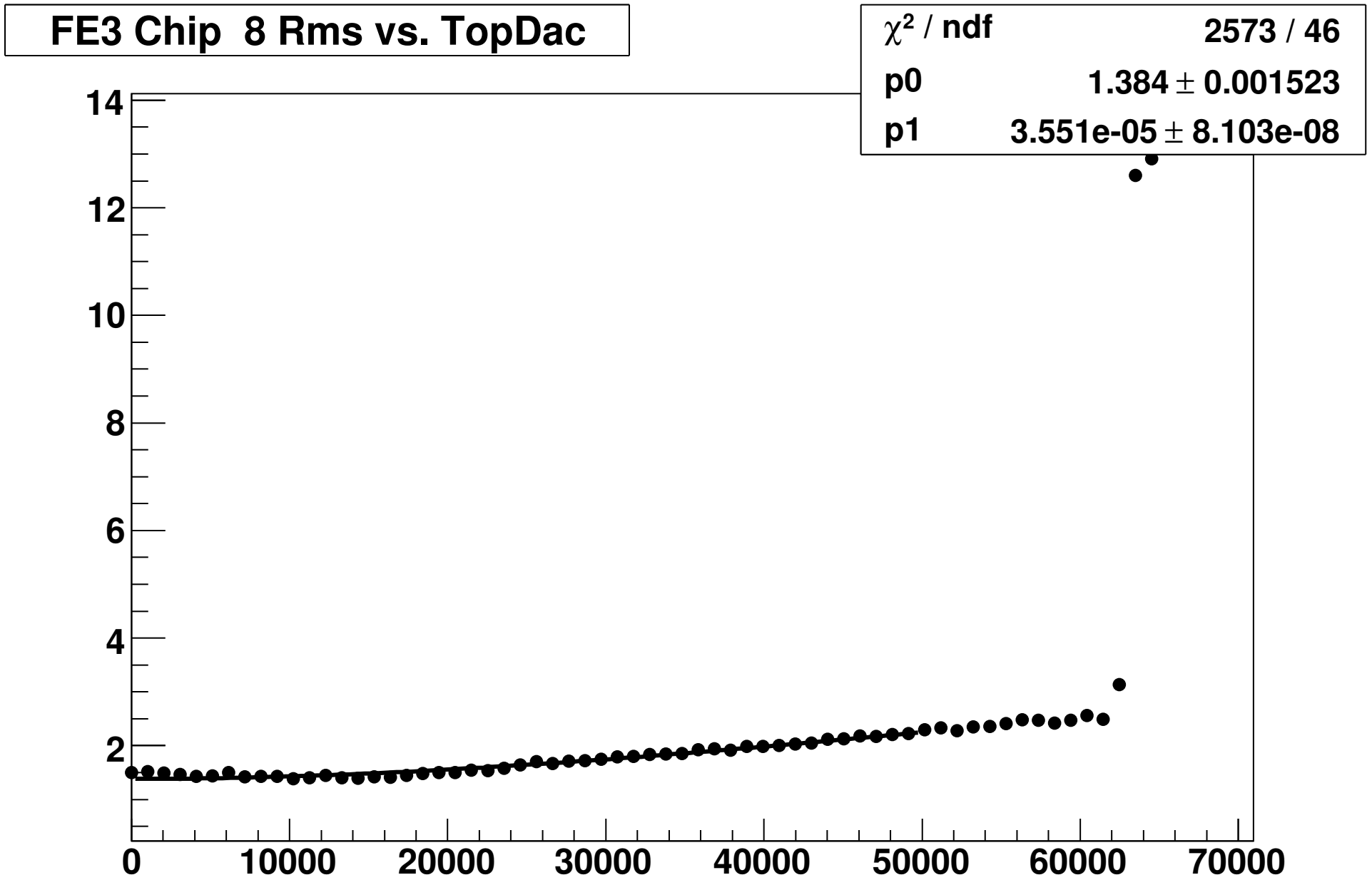
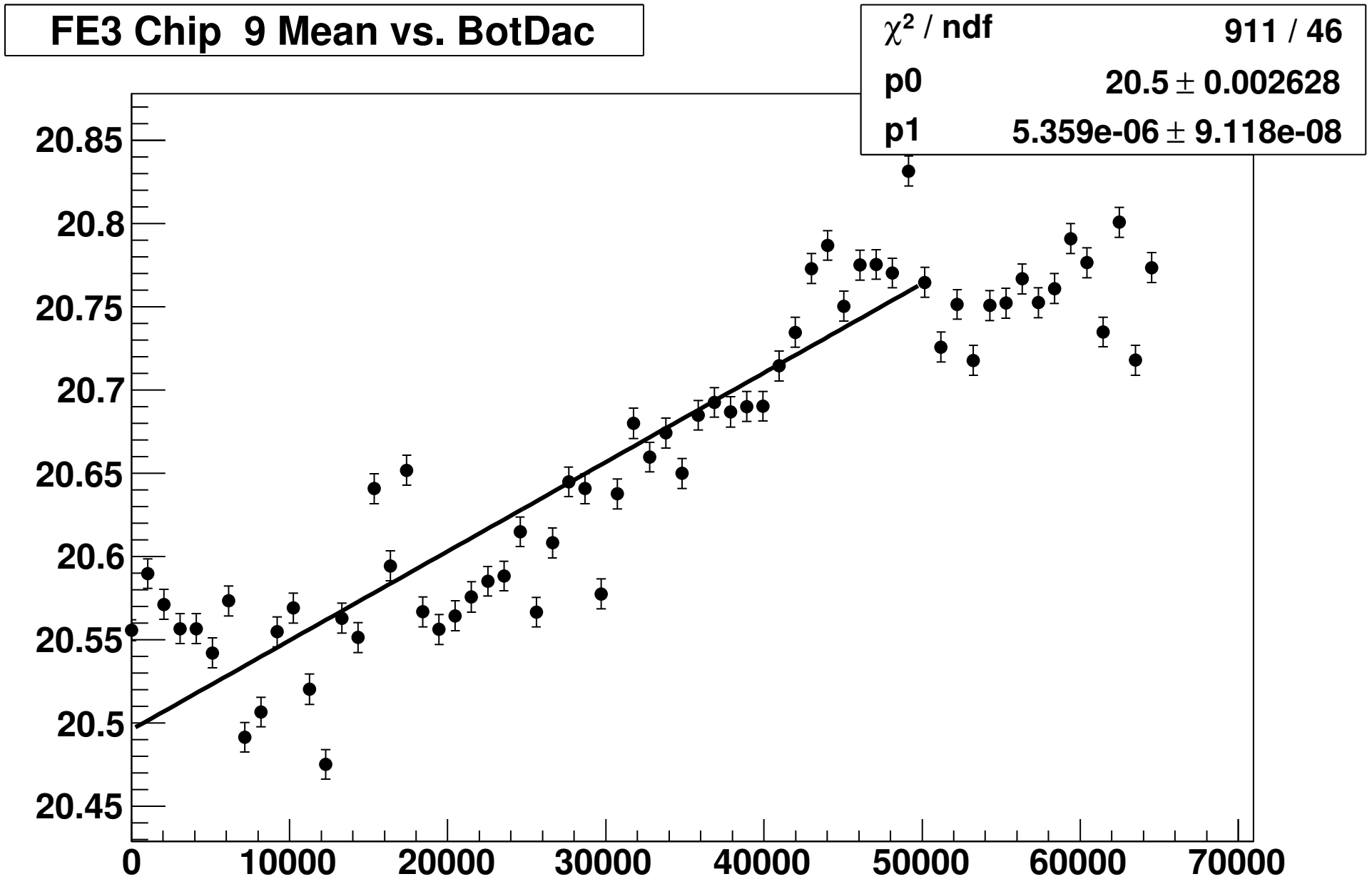
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

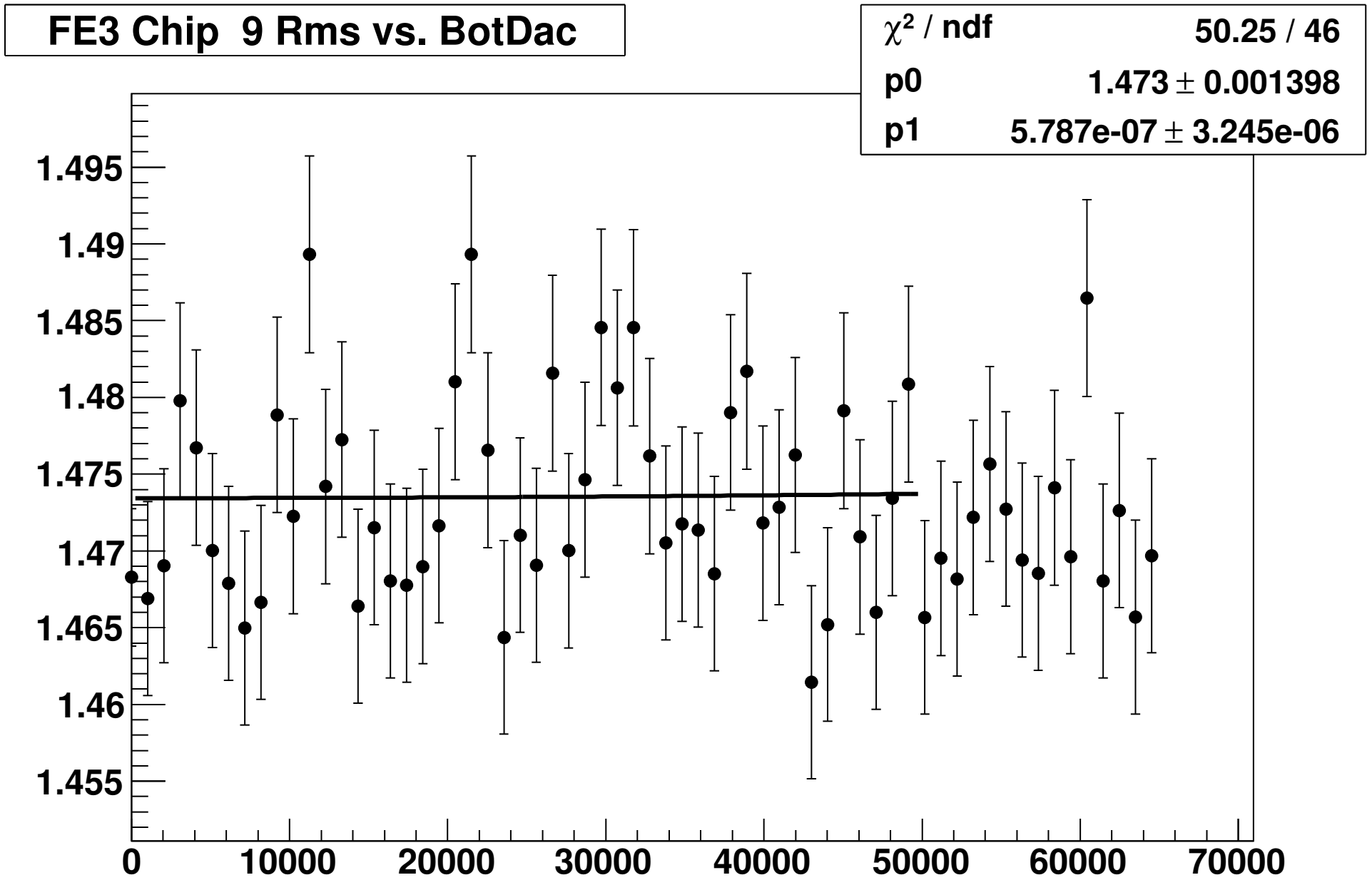

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 805.5 / 46
p0 17.41 ± 0.002677
p1 5.576e-06 ± 9.284e-08
17.8
17.75
17.7
17.65
17.6
17.55
17.5
17.45
17.4
17.35
0
10000
20000
30000
40000
50000
60000
70000

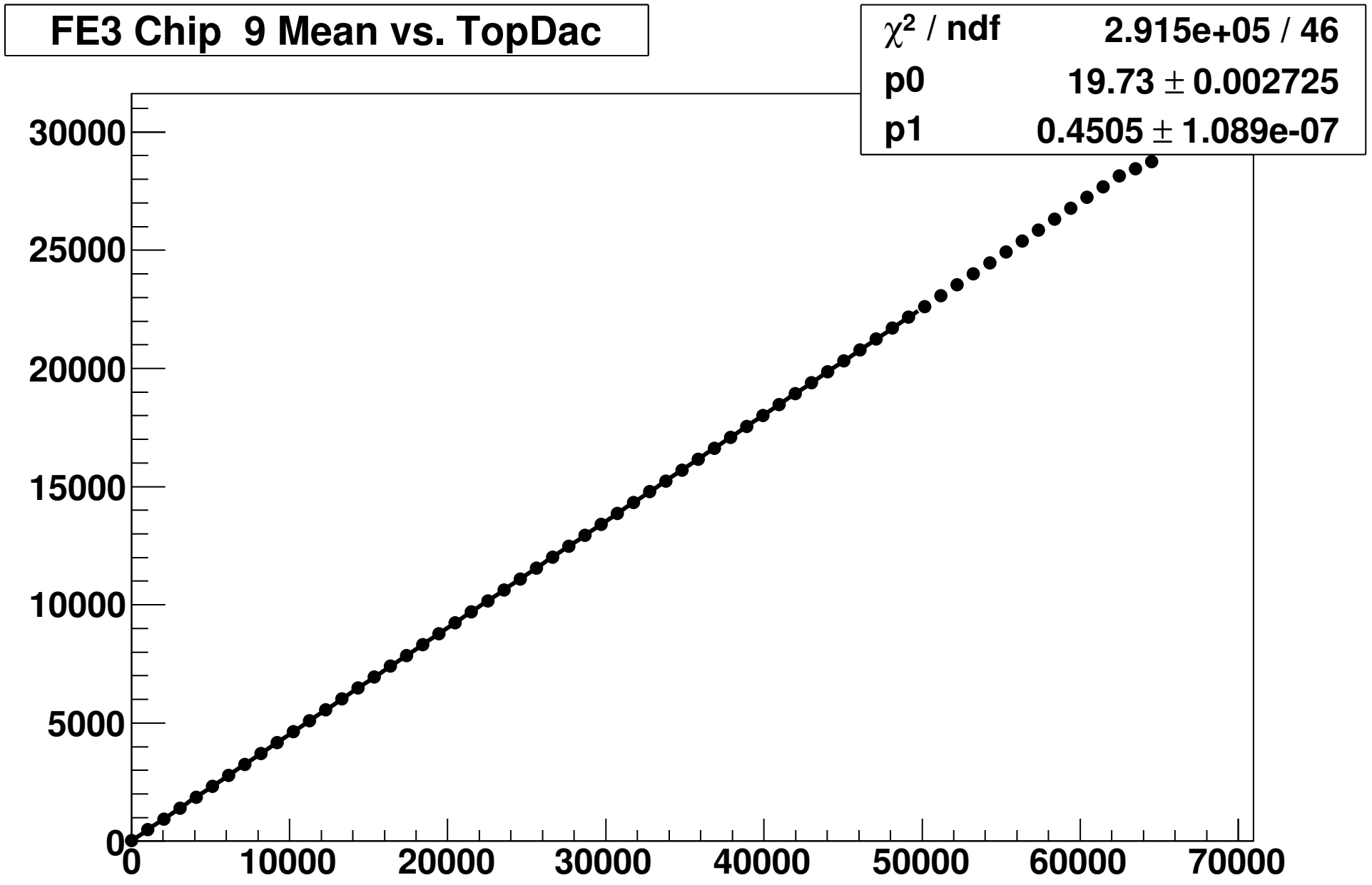

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 60.36 / 46
p0 1.5 ± 0.0009307
p1 8.143e-14 ± 1.381e-06
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

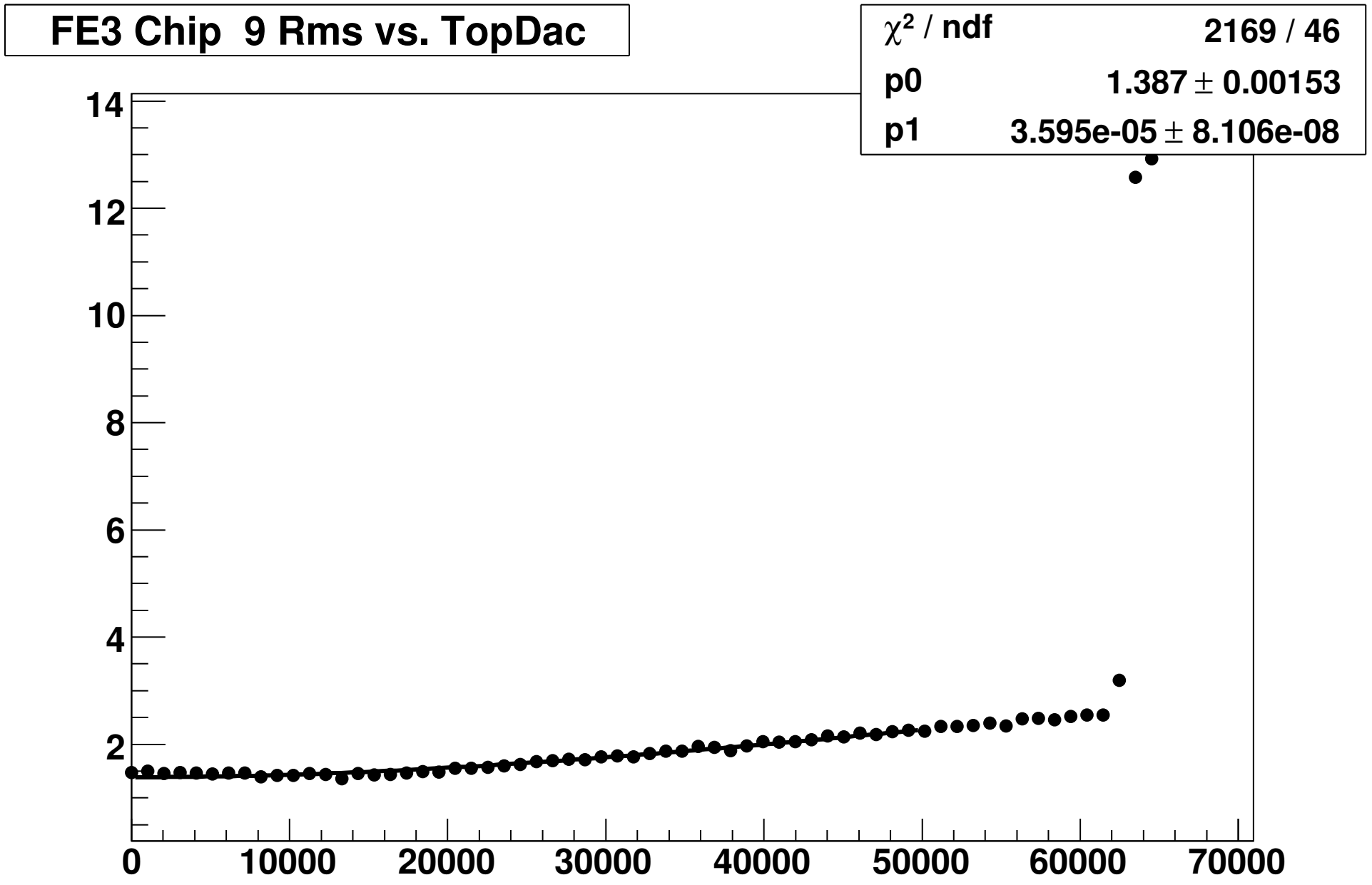

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.338e+05 / 46
p0 16.87 ± 0.00272
p1 0.4505 ± 1.085e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

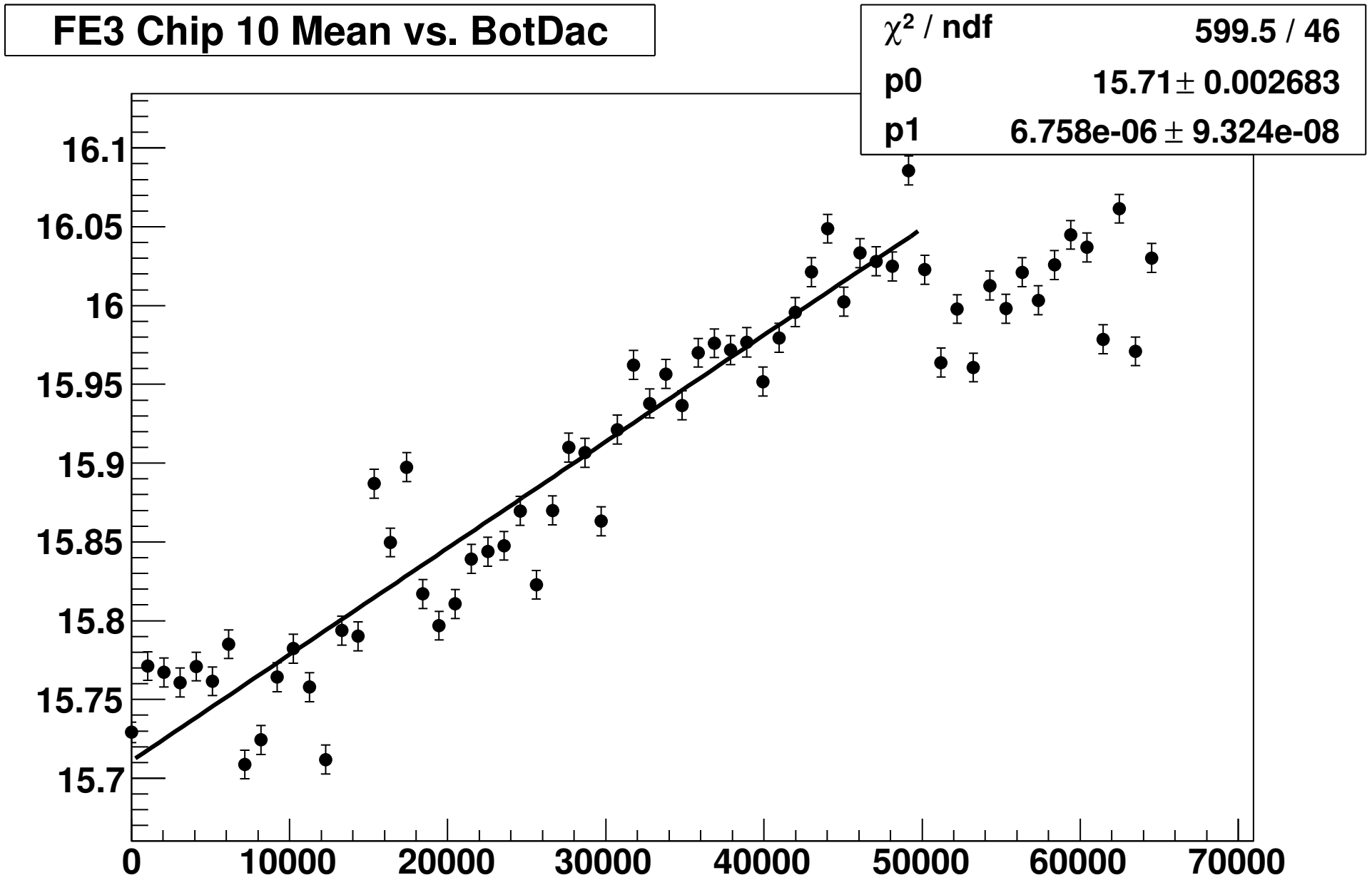

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 2573 / 46
p0 1.384 ± 0.001523
p1 3.551e-05 ± 8.103e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

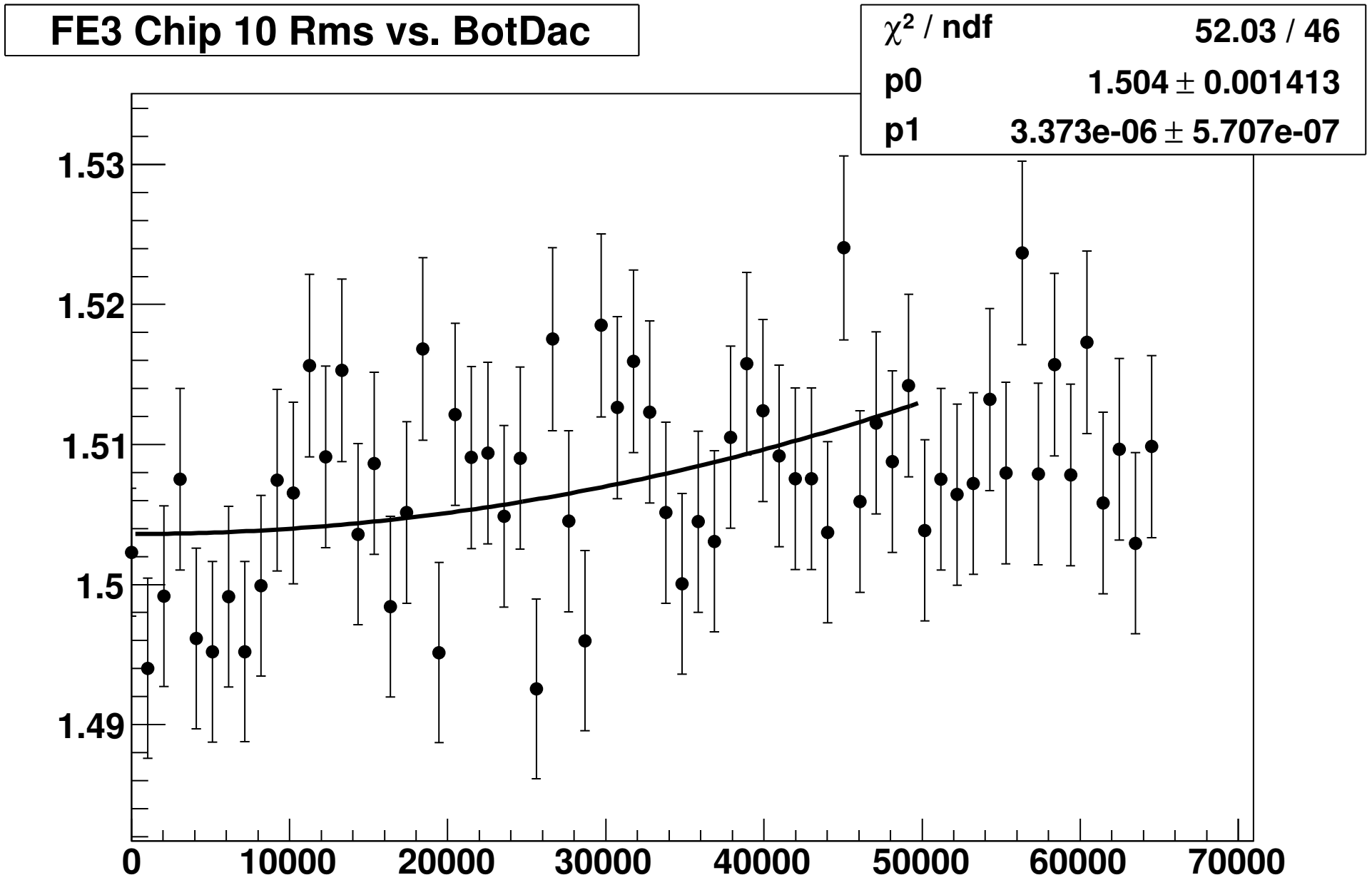

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 911 / 46
p0 20.5 ± 0.002628
p1 5.359e-06 ± 9.118e-08
20.85
20.8
20.75
20.7
20.65
20.6
20.55
20.5
20.45
0
10000
20000
30000
40000
50000
60000
70000

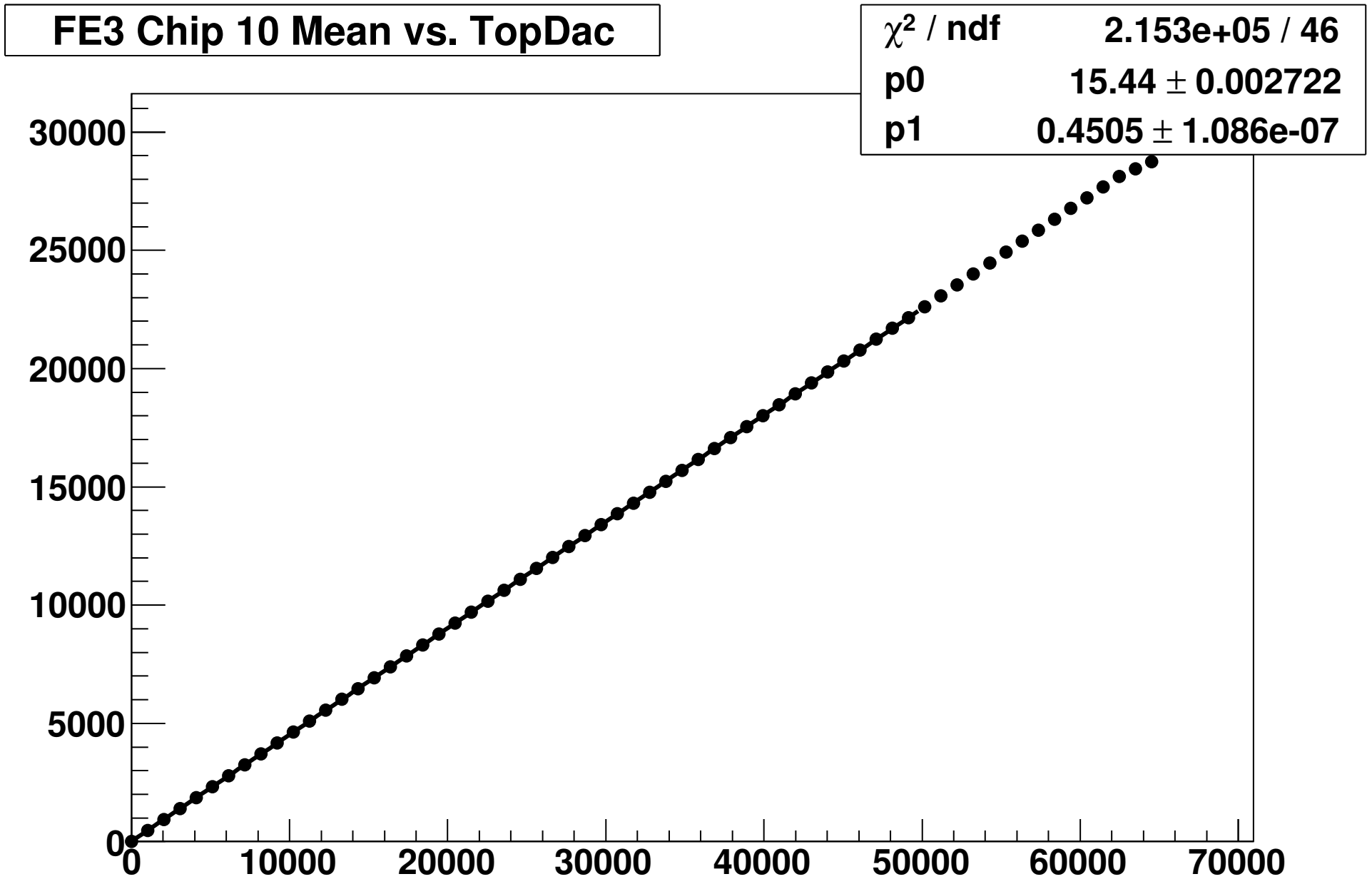

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 50.25 / 46
p0 1.473 ± 0.001398
p1 5.787e-07 ± 3.245e-06
1.495
1.49
1.485
1.48
1.475
1.47
1.465
1.46
1.455
0
10000
20000
30000
40000
50000
60000
70000

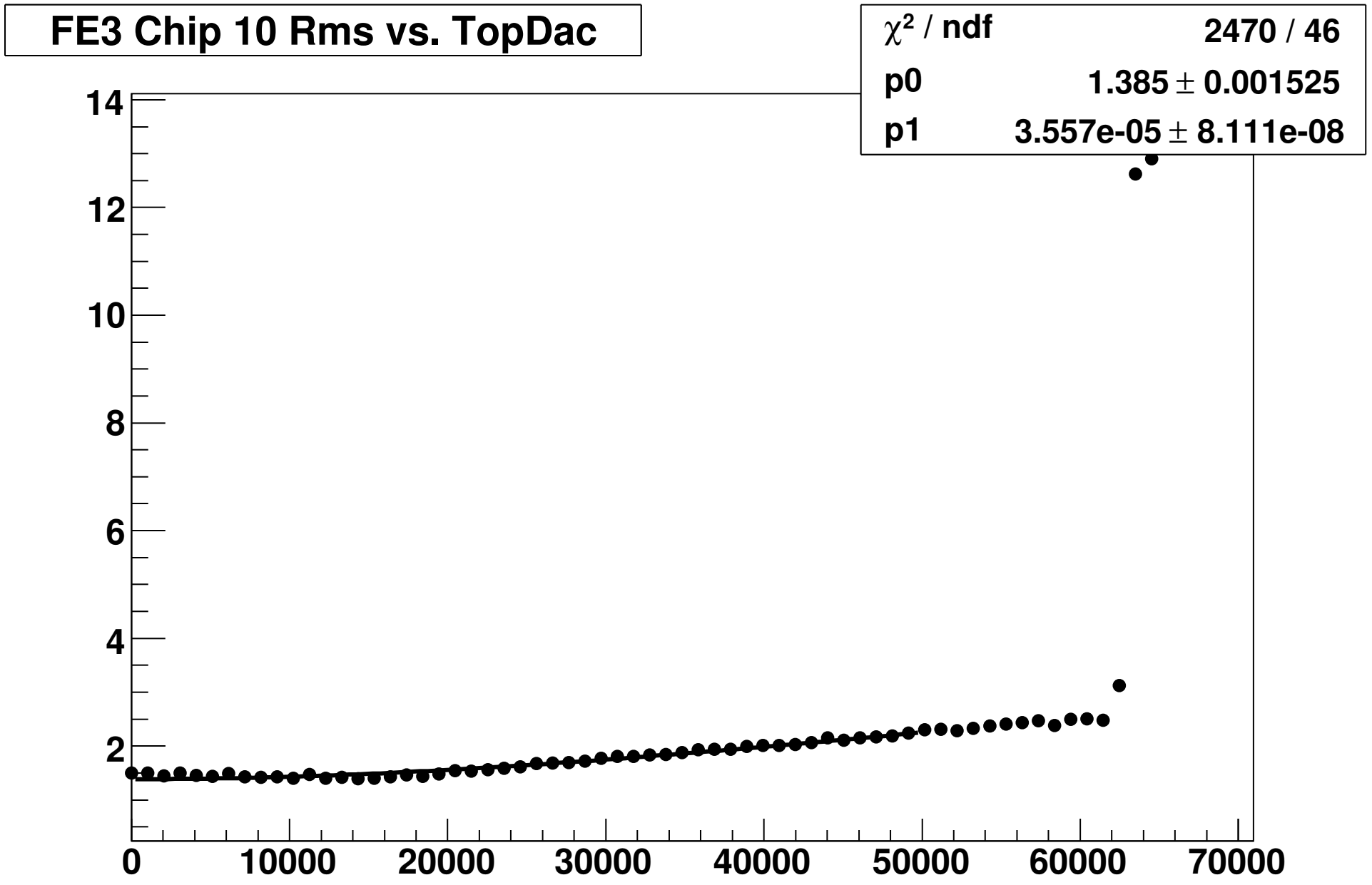

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.915e+05 / 46
p0 19.73 ± 0.002725
p1 0.4505 ± 1.089e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

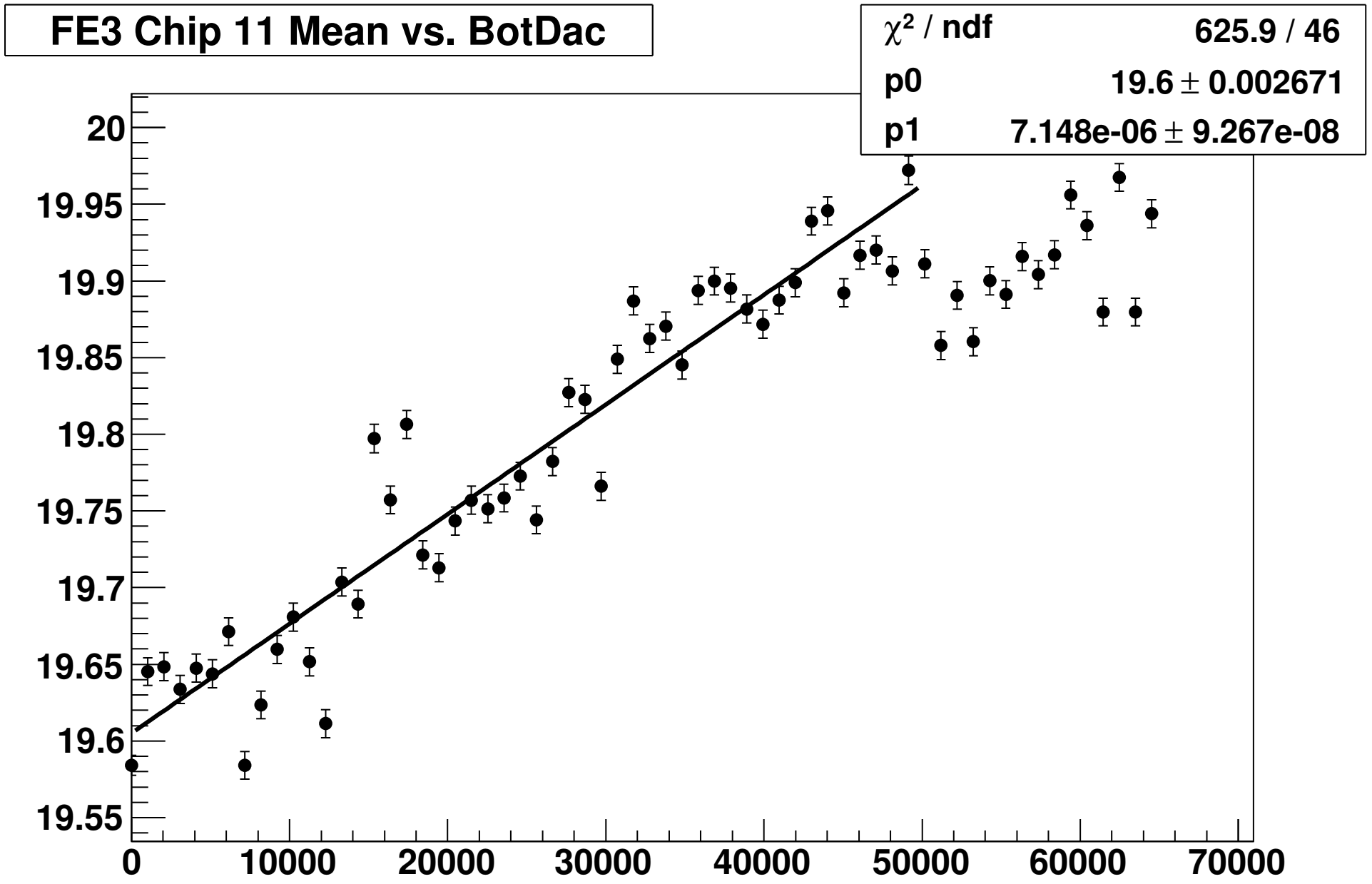

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 2169 / 46
p0 1.387 ± 0.00153
p1 3.595e-05 ± 8.106e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

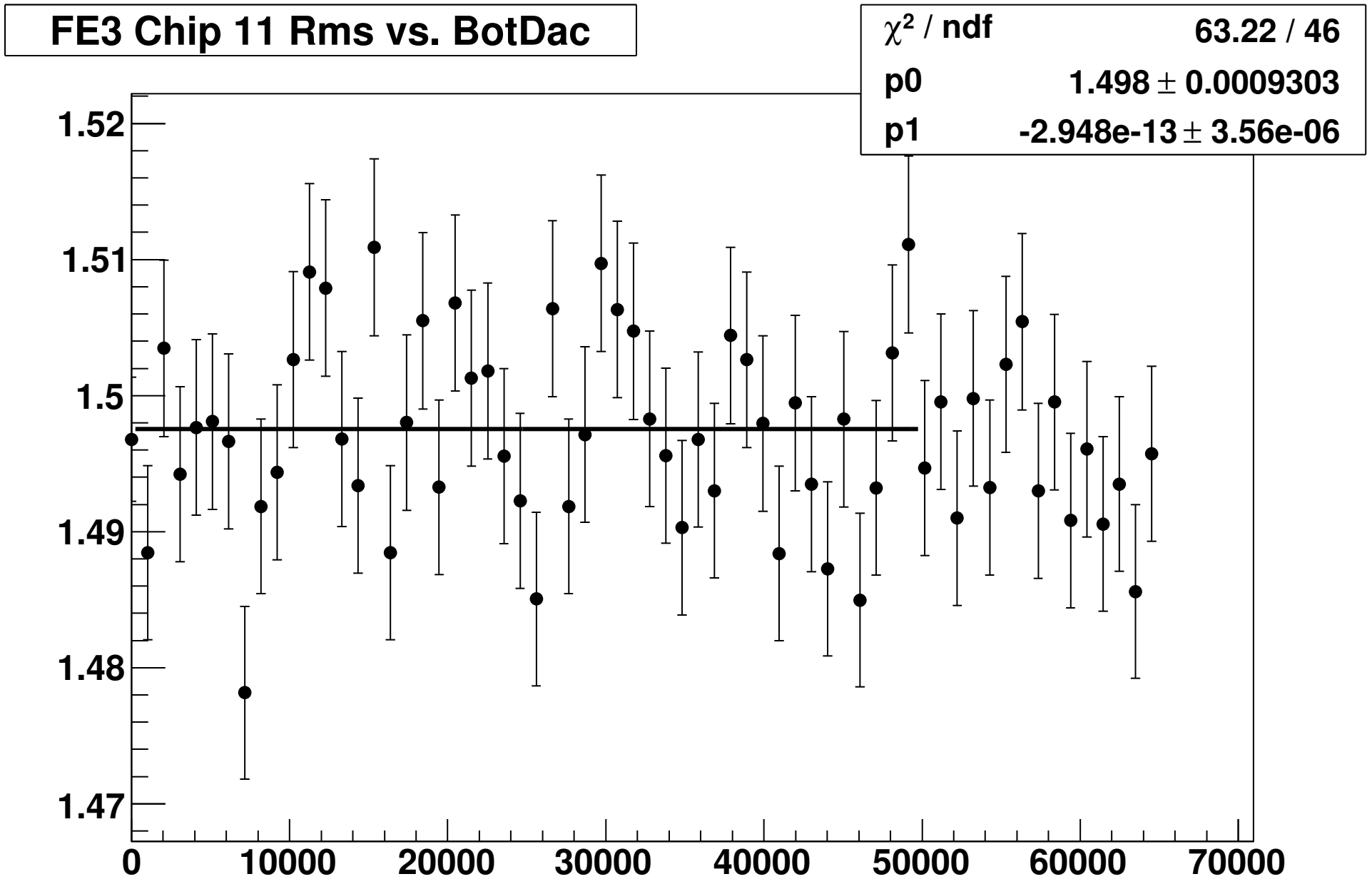

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 599.5 / 46
p0 15.71 ± 0.002683
p1 6.758e-06 ± 9.324e-08
16.1
16.05
16
15.95
15.9
15.85
15.8
15.75
15.7
0
10000
20000
30000
40000
50000
60000
70000

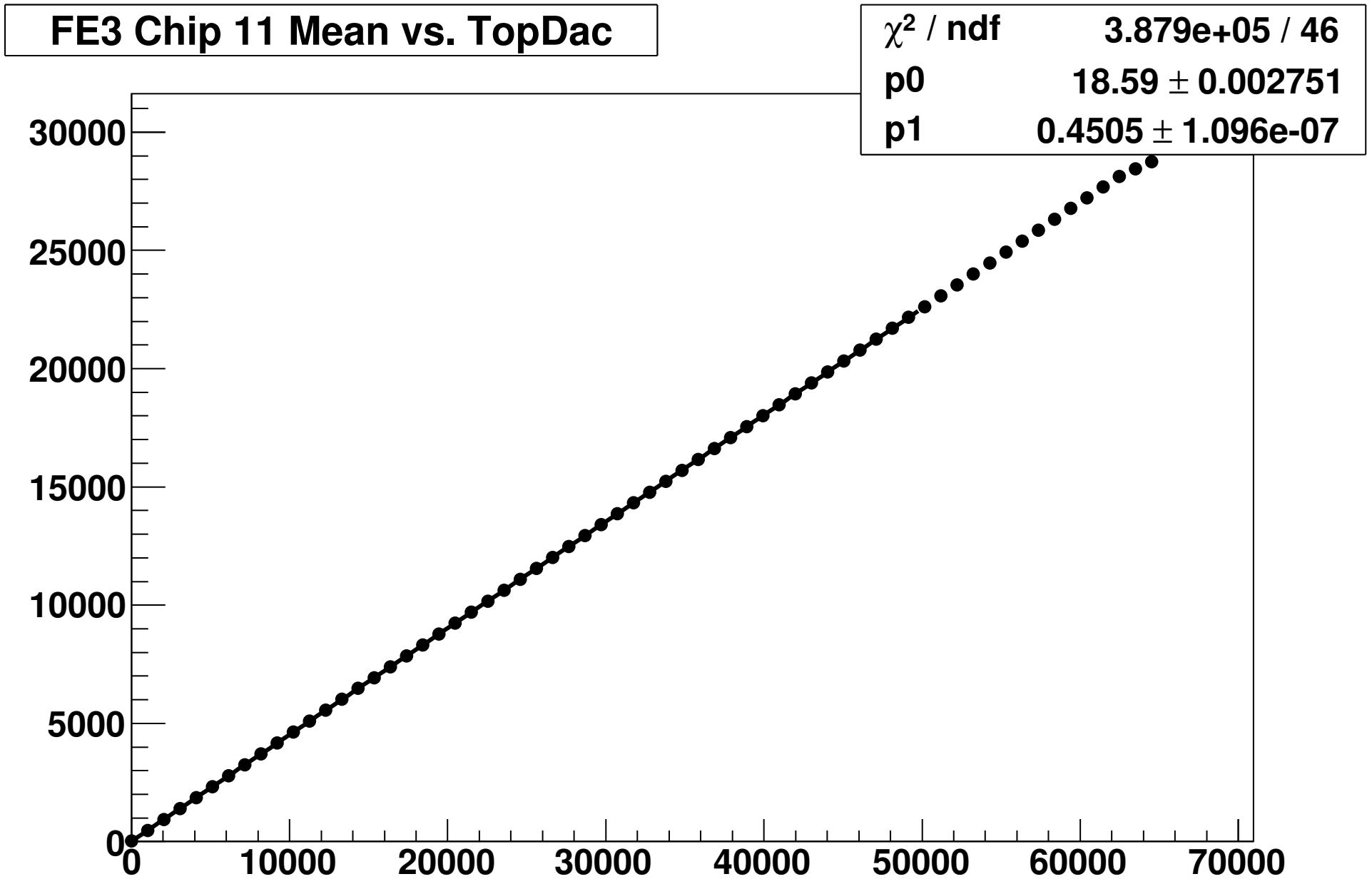

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 52.03 / 46
p0 1.504 ± 0.001413
p1 3.373e-06 ± 5.707e-07
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

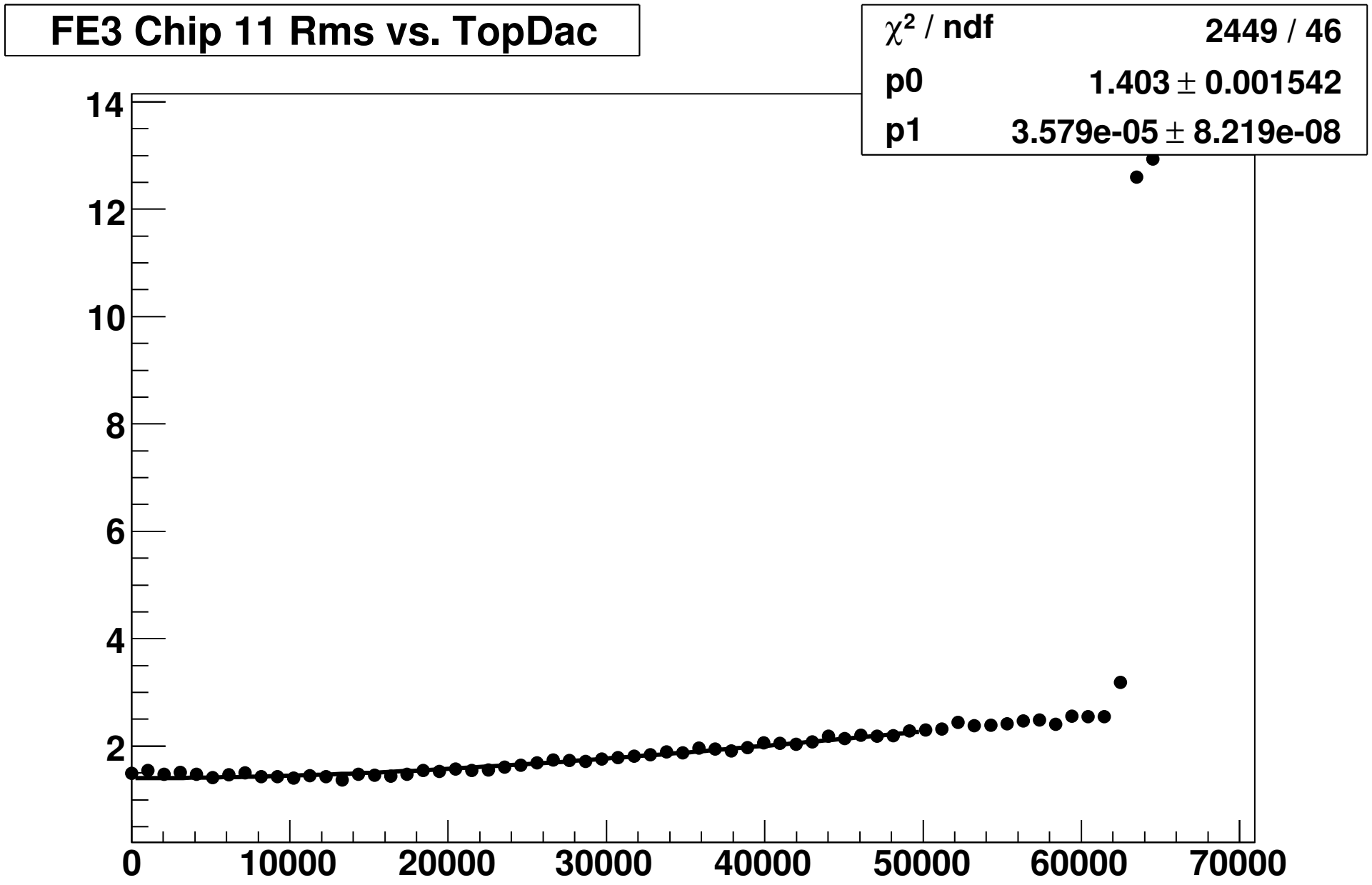

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.153e+05 / 46
p0 15.44 ± 0.002722
p1 0.4505 ± 1.086e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

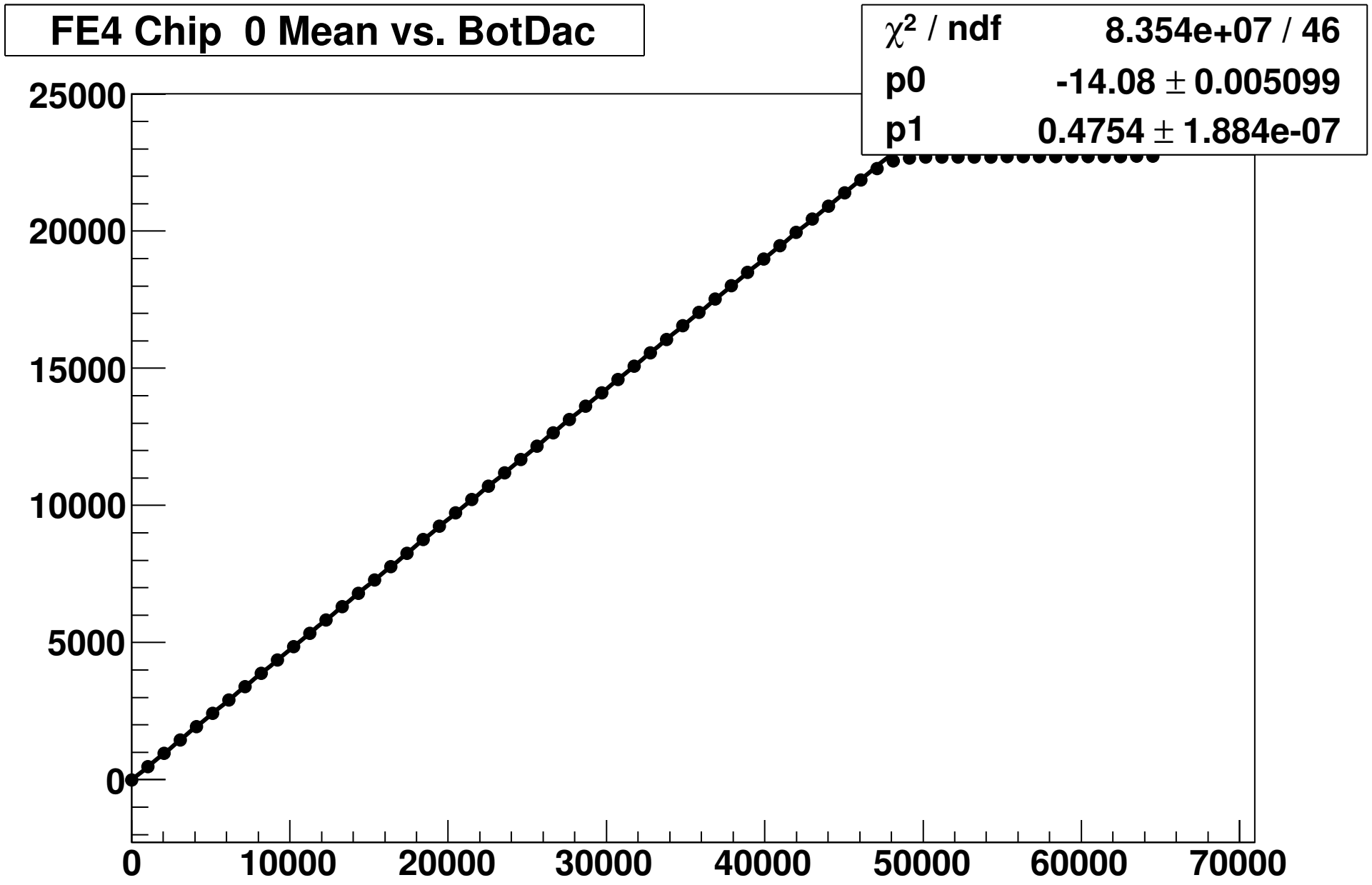

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 2470 / 46
p0 1.385 ± 0.001525
p1 3.557e-05 ± 8.111e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

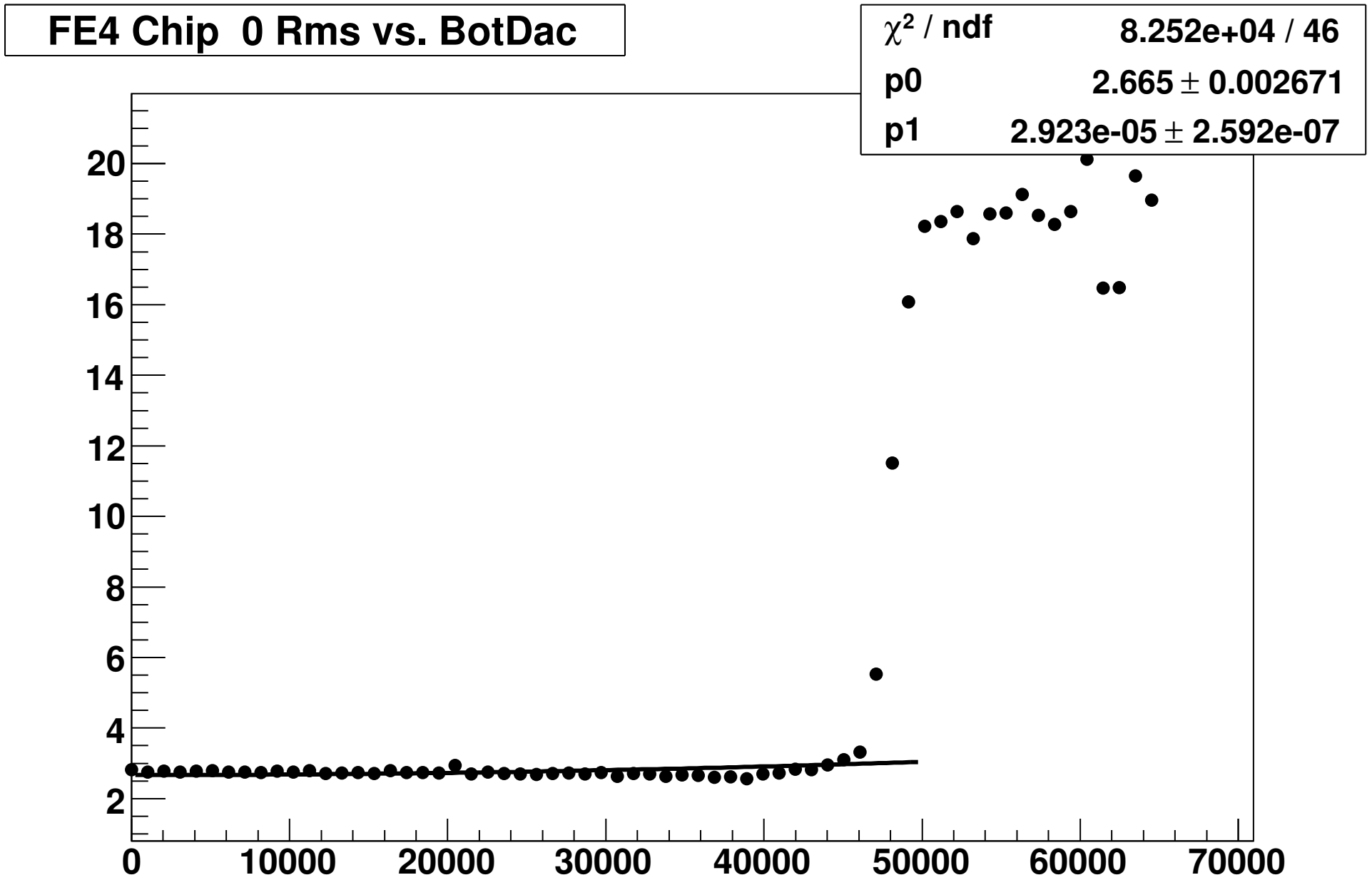

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 625.9 / 46
p0 19.6 ± 0.002671
p1 7.148e-06 ± 9.267e-08
20
19.95
19.9
19.85
19.8
19.75
19.7
19.65
19.6
19.55
0
10000
20000
30000
40000
50000
60000
70000

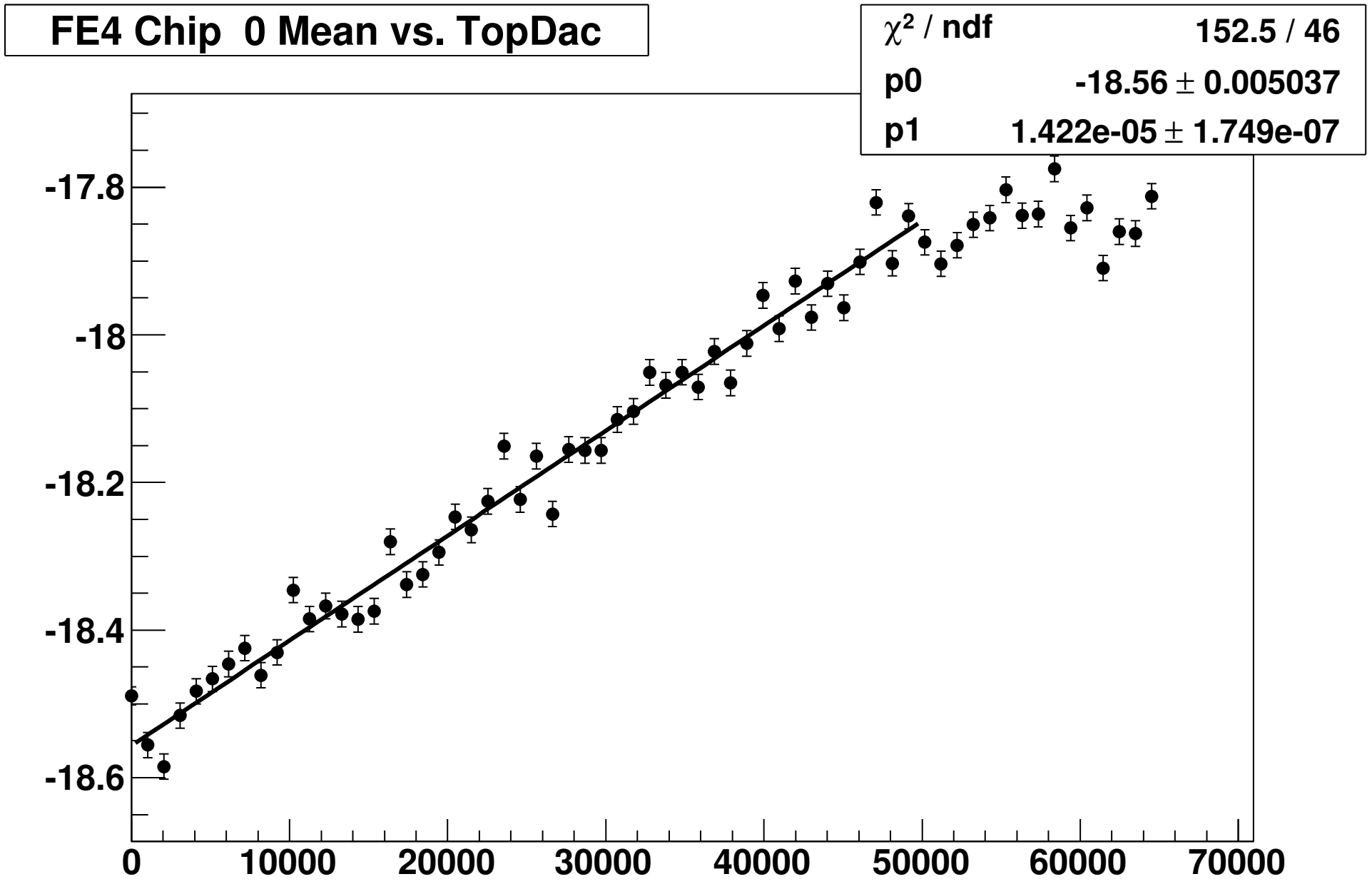

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 63.22 / 46
p0 1.498 ± 0.0009303
p1 -2.948e-13 ± 3.56e-06
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

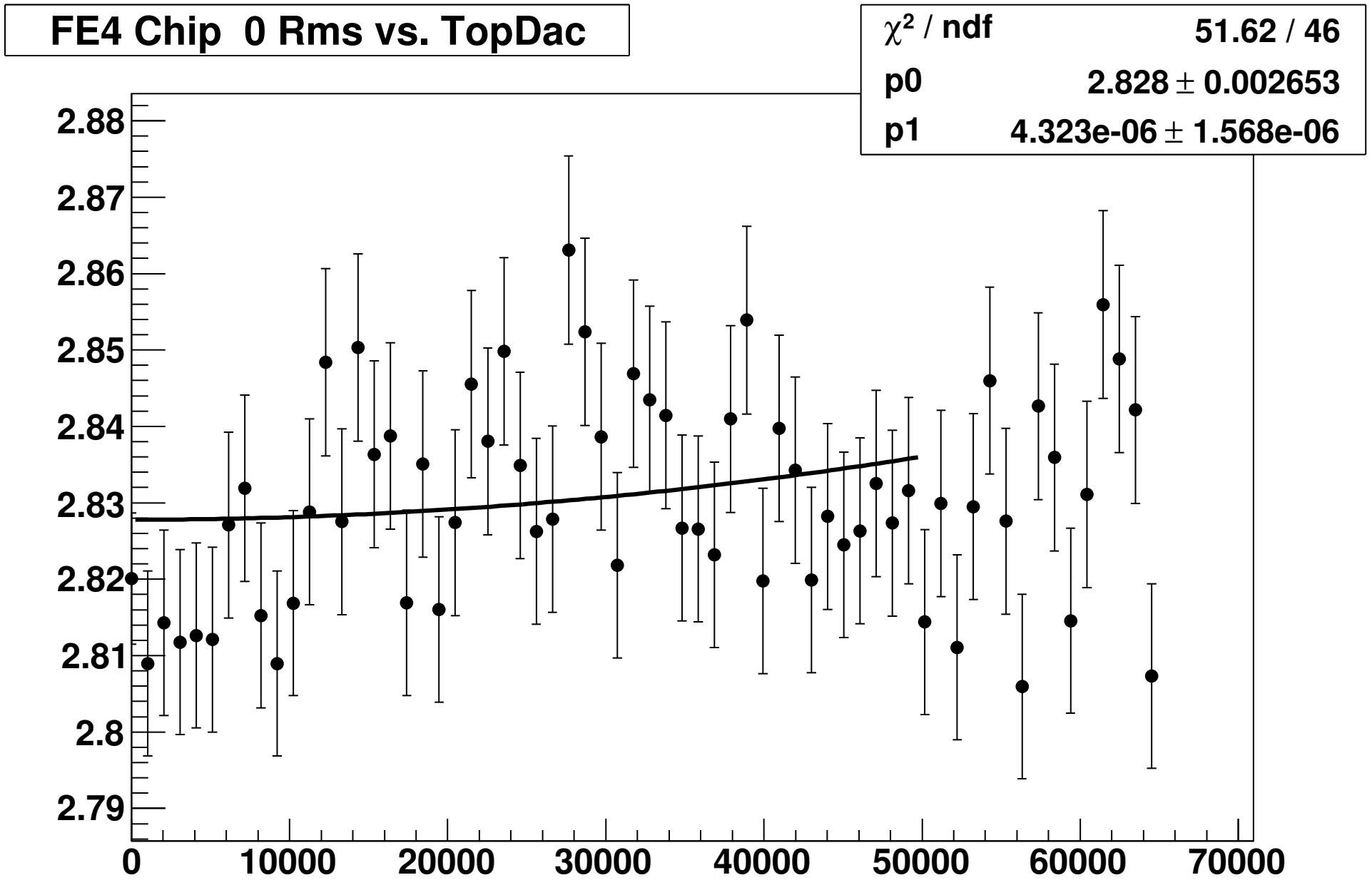

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 3.879e+05 / 46
p0 18.59 ± 0.002751
p1 0.4505 ± 1.096e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

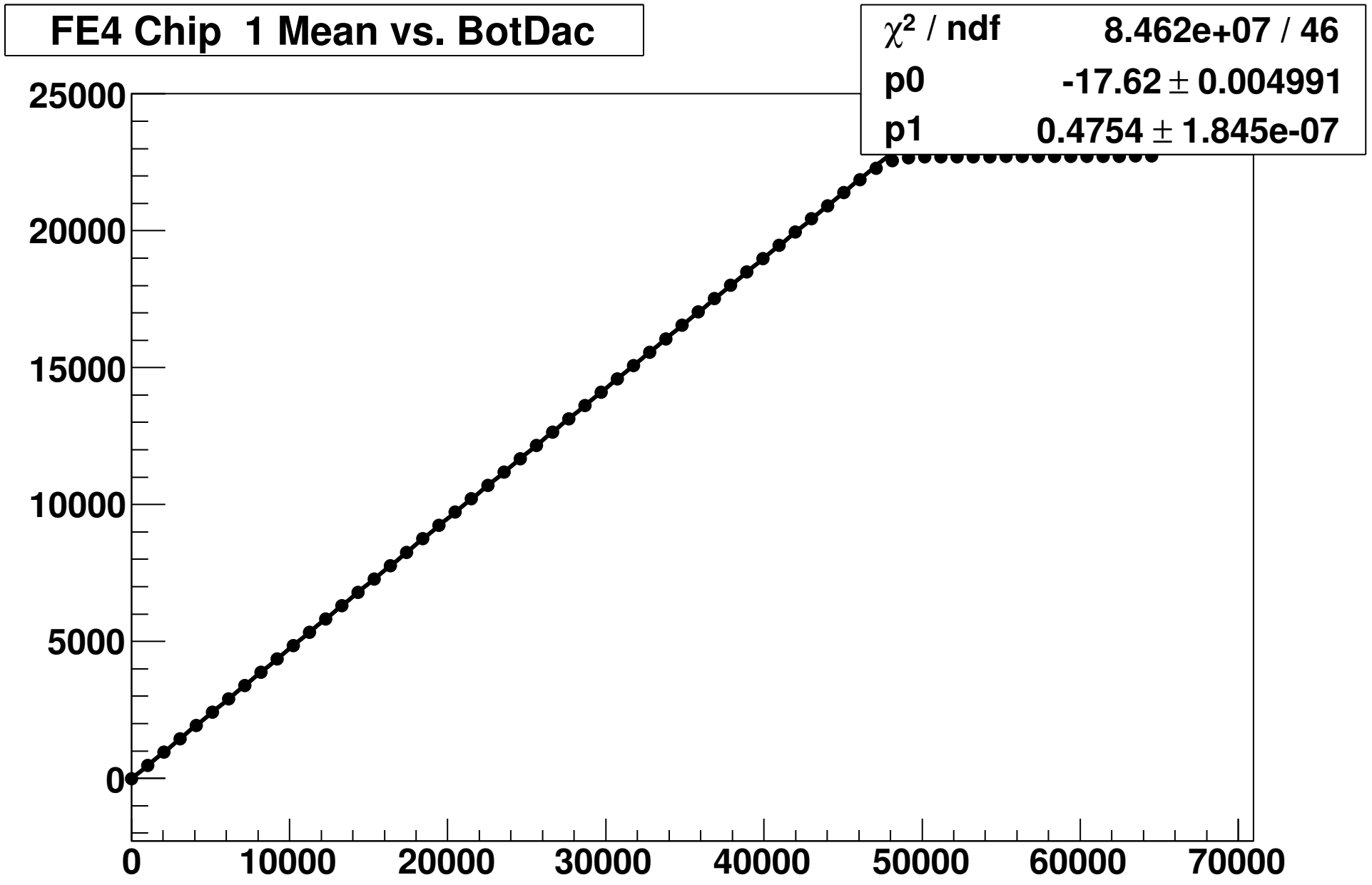

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 2449 / 46
p0 1.403 ± 0.001542
p1 3.579e-05 ± 8.219e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

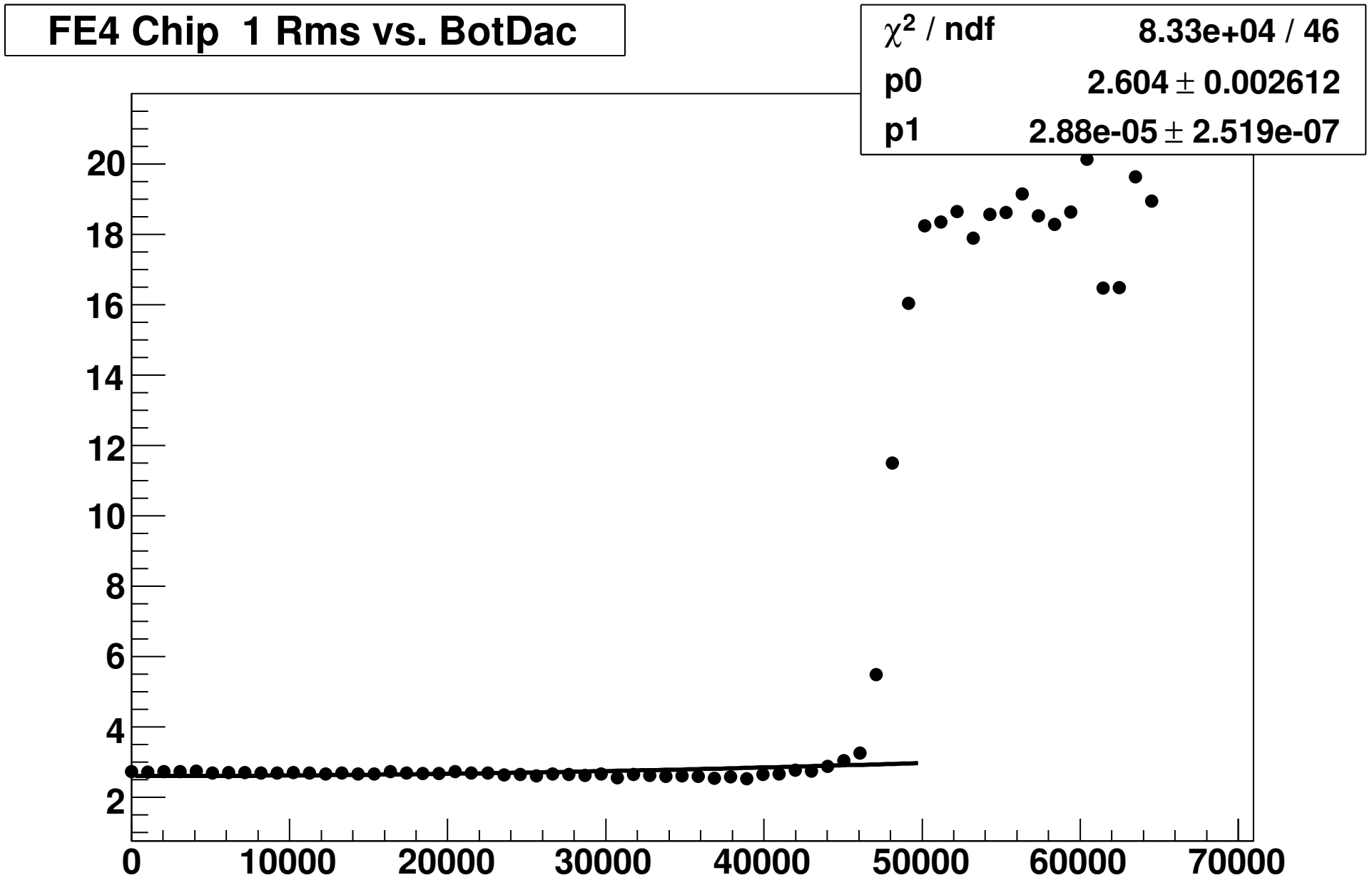

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 8.354e+07 / 46
p0 -14.08 ± 0.005099
p1 0.4754 ± 1.884e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 8.252e+04 / 46
p0 2.665 ± 0.002671
p1 2.923e-05 ± 2.592e-07
20
18
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 152.5 / 46
p0 -18.56 ± 0.005037
p1 1.422e-05 ± 1.749e-07
-17.8
-18
-18.2
-18.4
-18.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 51.62 / 46
p0 2.828 ± 0.002653
p1 4.323e-06 ± 1.568e-06
2.88
2.87
2.86
2.85
2.84
2.83
2.82
2.81
2.8
2.79
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 8.462e+07 / 46
p0 -17.62 ± 0.004991
p1 0.4754 ± 1.845e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 8.33e+04 / 46
p0 2.604 ± 0.002612
p1 2.88e-05 ± 2.519e-07
20
18
16
14
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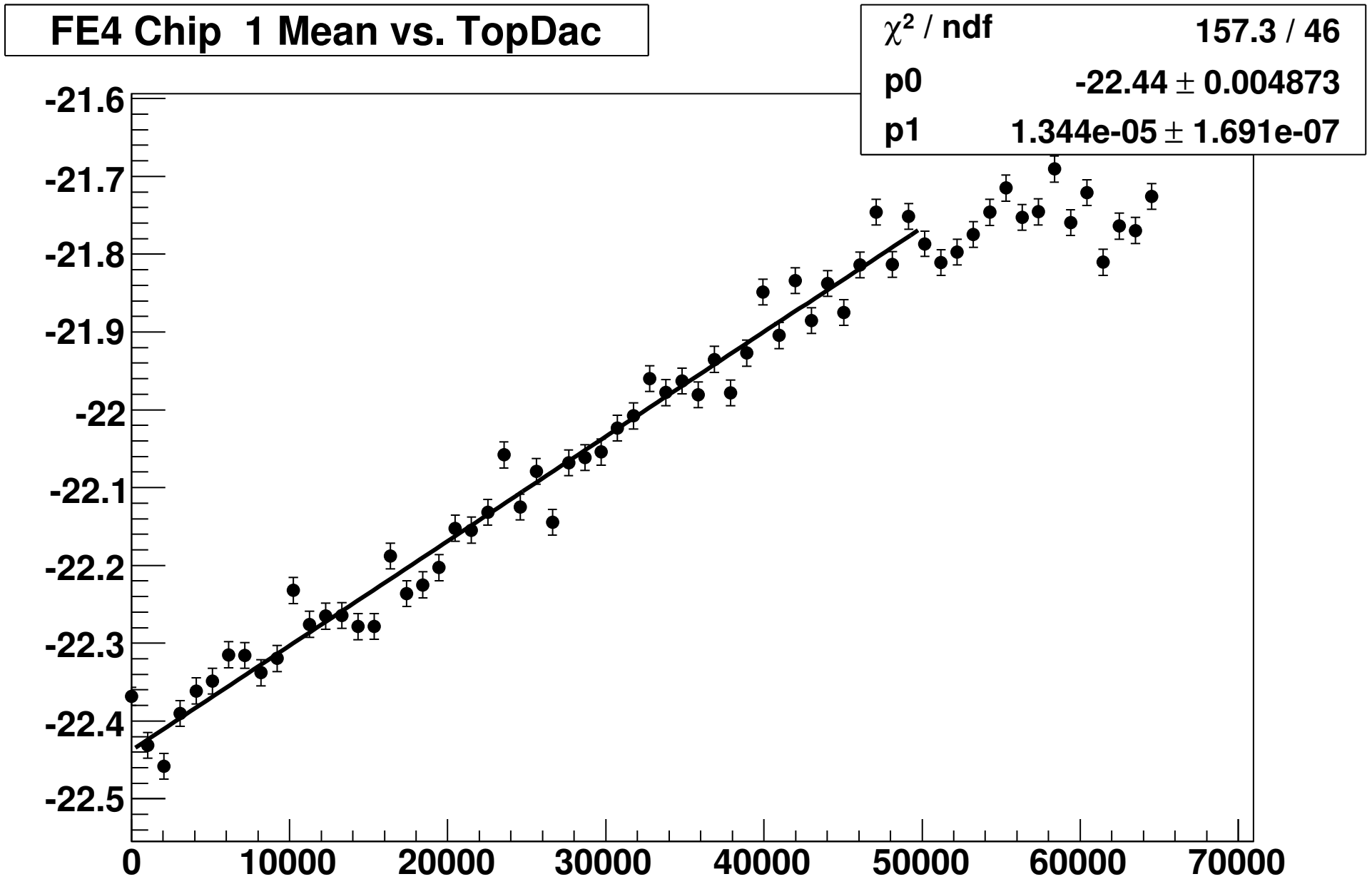
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 157.3 / 46
p0 -22.44 ± 0.004873
p1 1.344e-05 ± 1.691e-07
-21.6
-21.7
-21.8
-21.9
-22
-22.1
-22.2
-22.3
-22.4
-22.5
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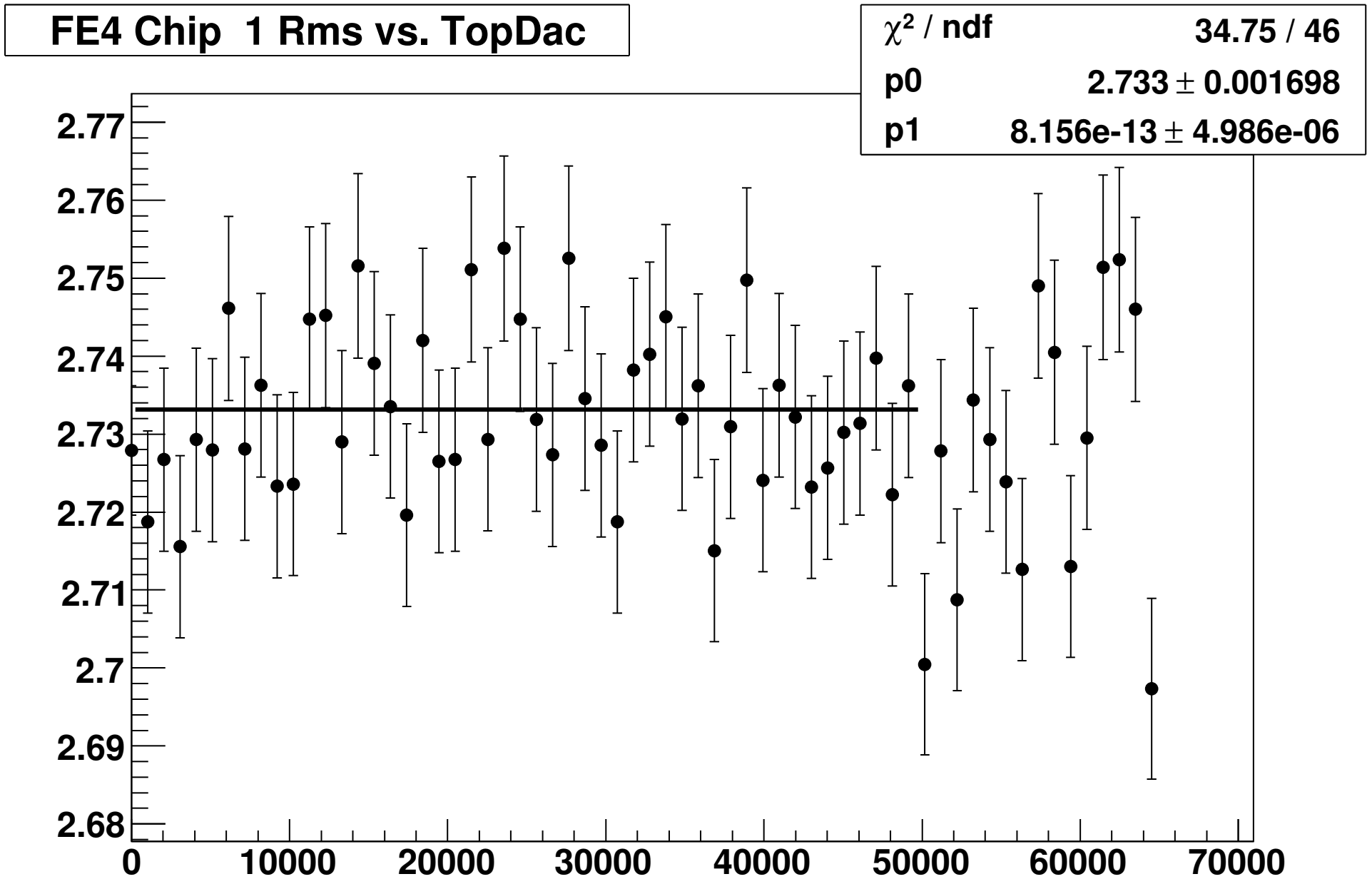
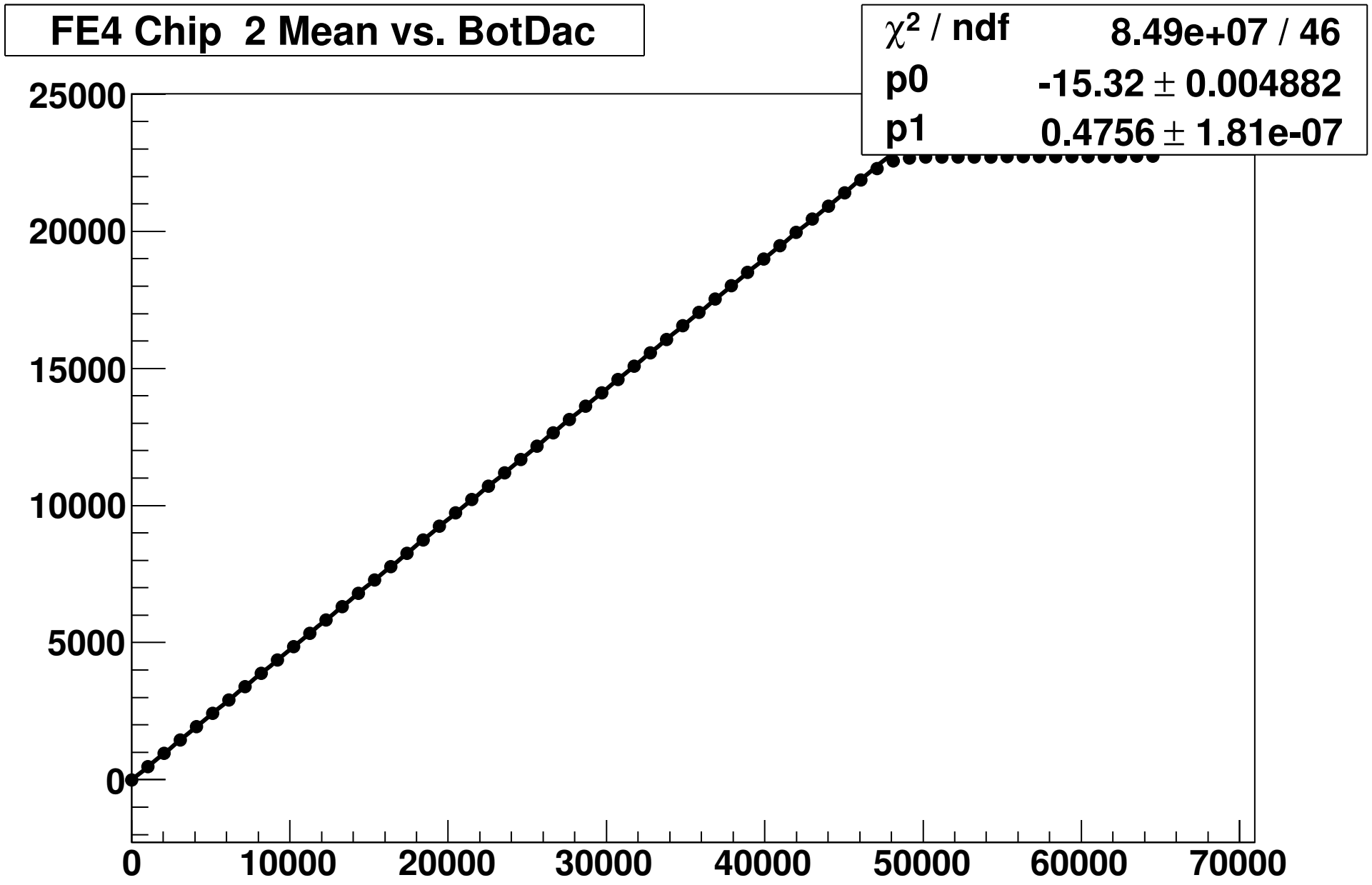
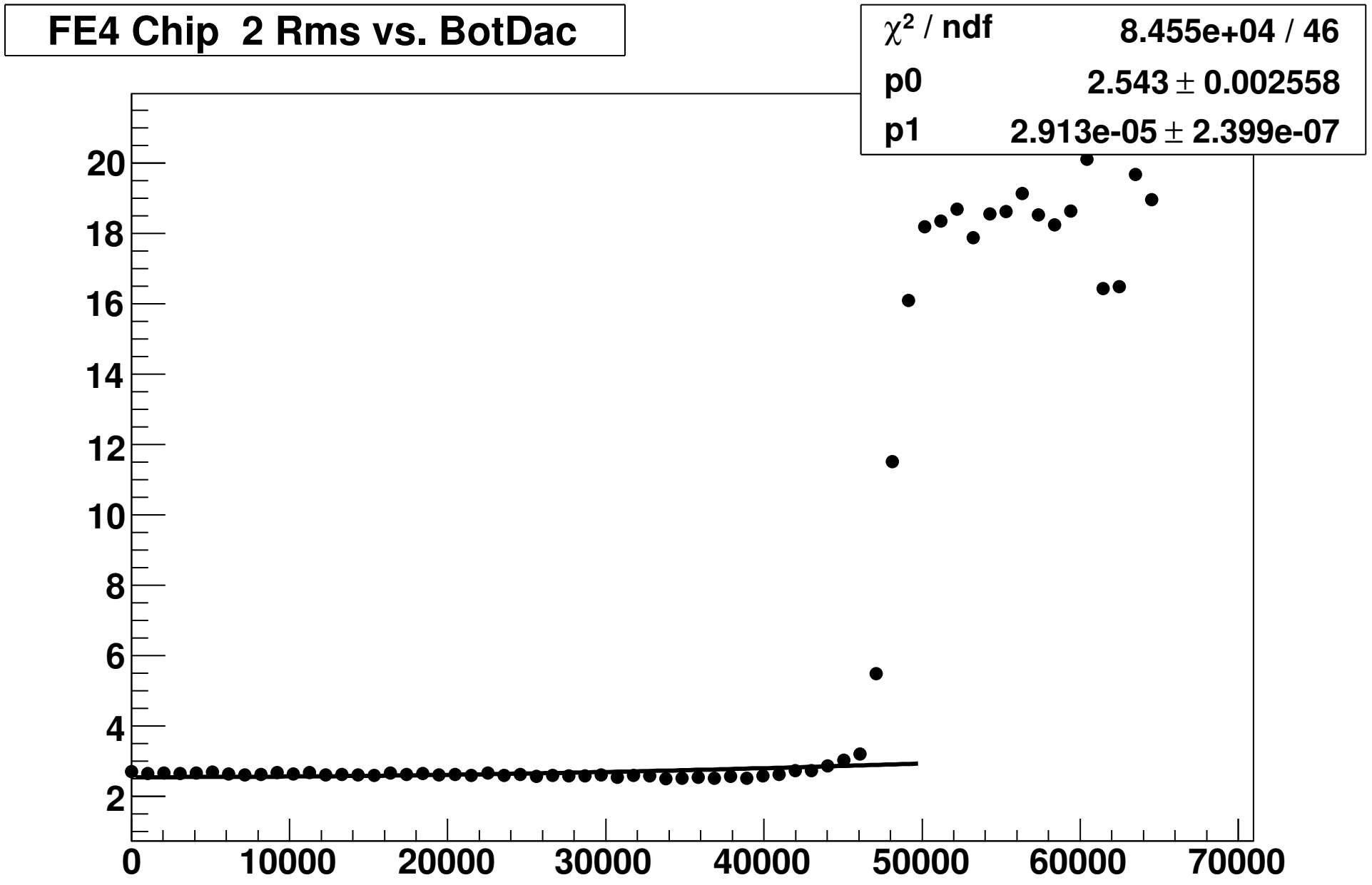
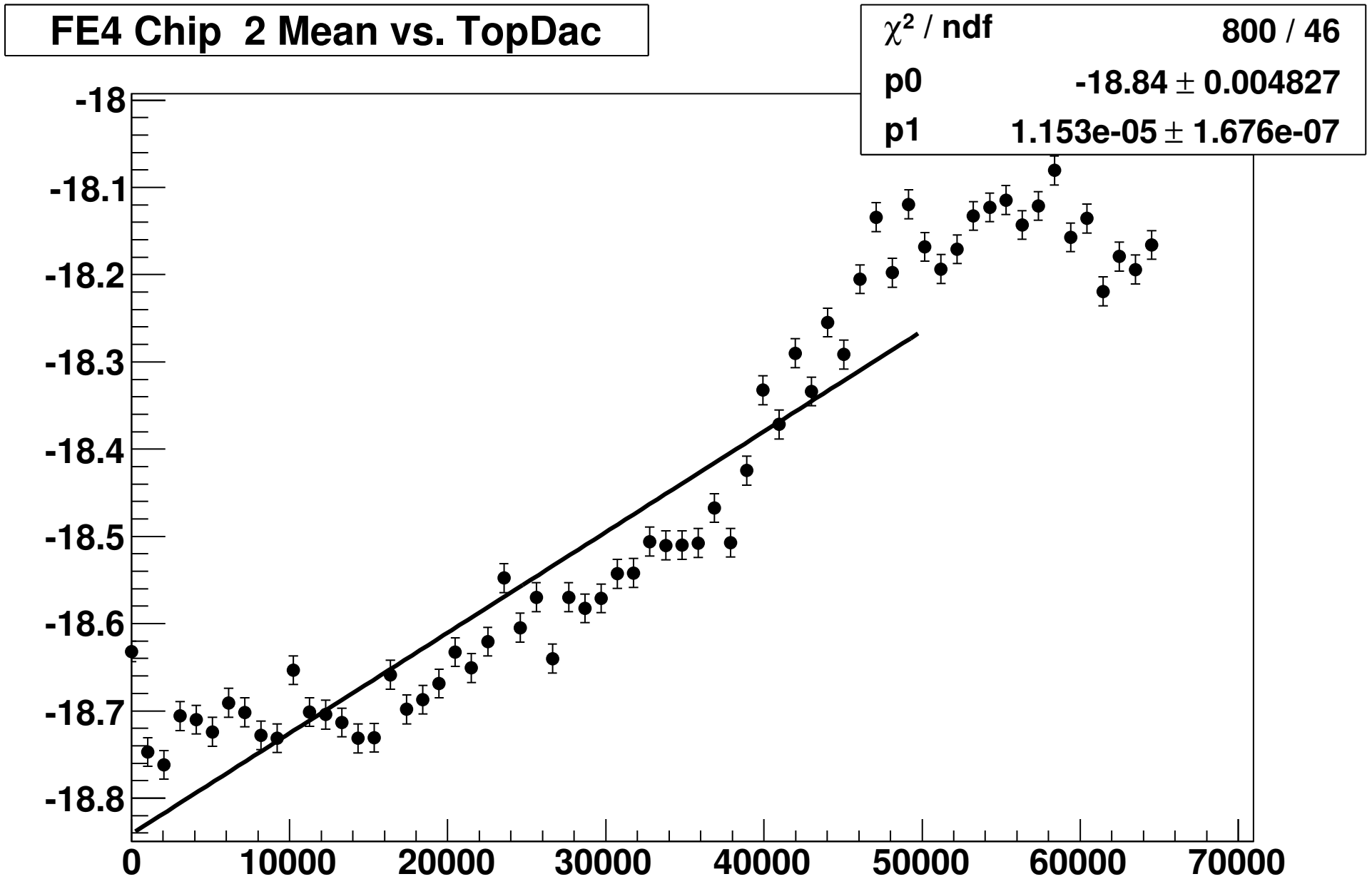

FE4 Chip 1 Rms vs. TopDac
χ² / ndf 34.75 / 46
p0 2.733 ± 0.001698
p1 8.156e-13 ± 4.986e-06
2.77
2.76
2.75
2.74
2.73
2.72
2.71
2.7
2.69
2.68
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 8.49e+07 / 46
p0 -15.32 ± 0.004882
p1 0.4756 ± 1.81e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 8.455e+04 / 46
p0 2.543 ± 0.002558
p1 2.913e-05 ± 2.399e-07
20
18
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 800 / 46
p0 -18.84 ± 0.004827
p1 1.153e-05 ± 1.676e-07
-18
-18.1
-18.2
-18.3
-18.4
-18.5
-18.6
-18.7
-18.8
0
10000
20000
30000
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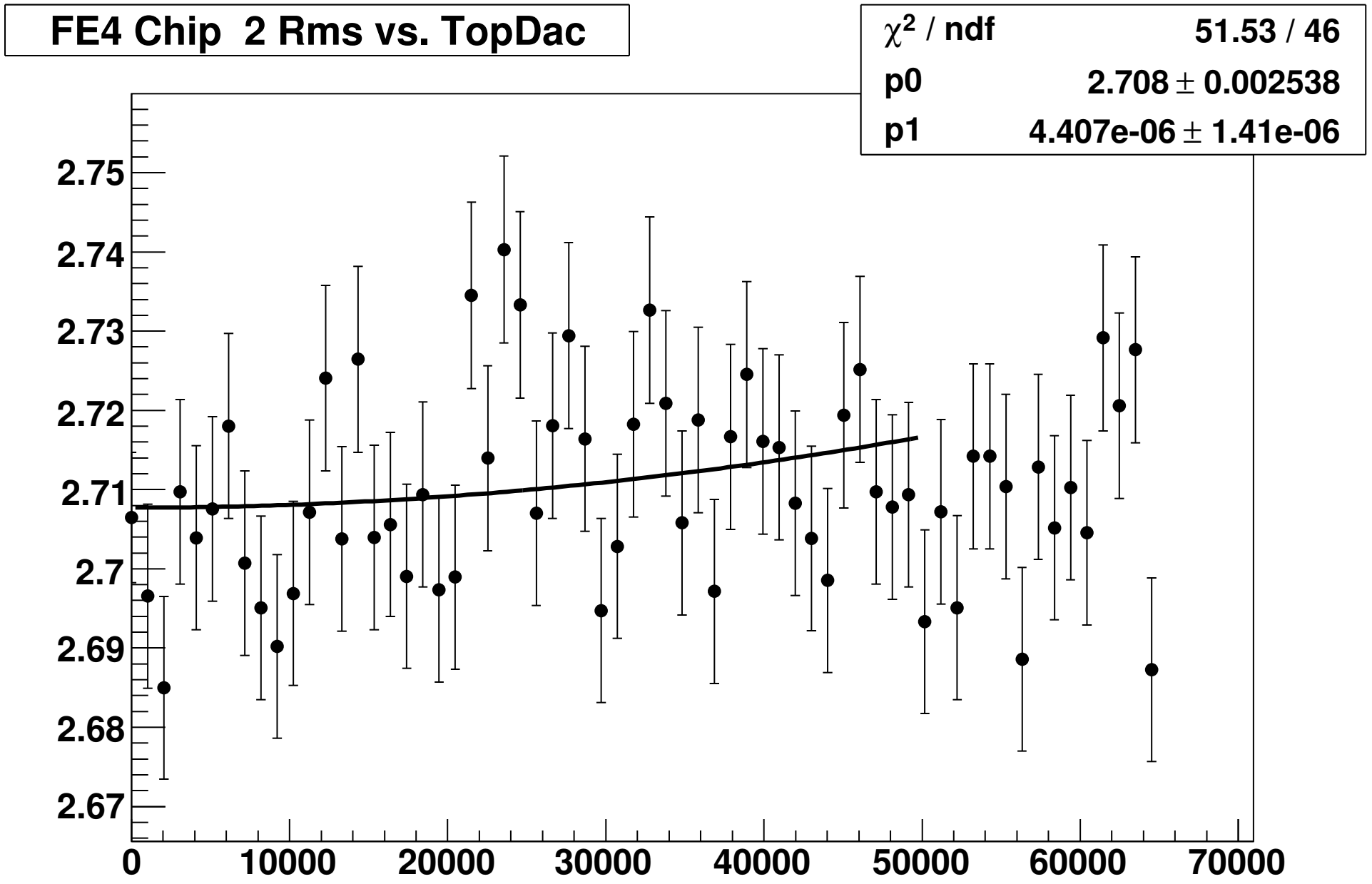
50000
60000
70000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 51.53 / 46
p0 2.708 ± 0.002538
p1 4.407e-06 ± 1.41e-06
2.75
2.74
2.73
2.72
2.71
2.7
2.69
2.68
2.67
0
10000
20000
30000
40000
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60000
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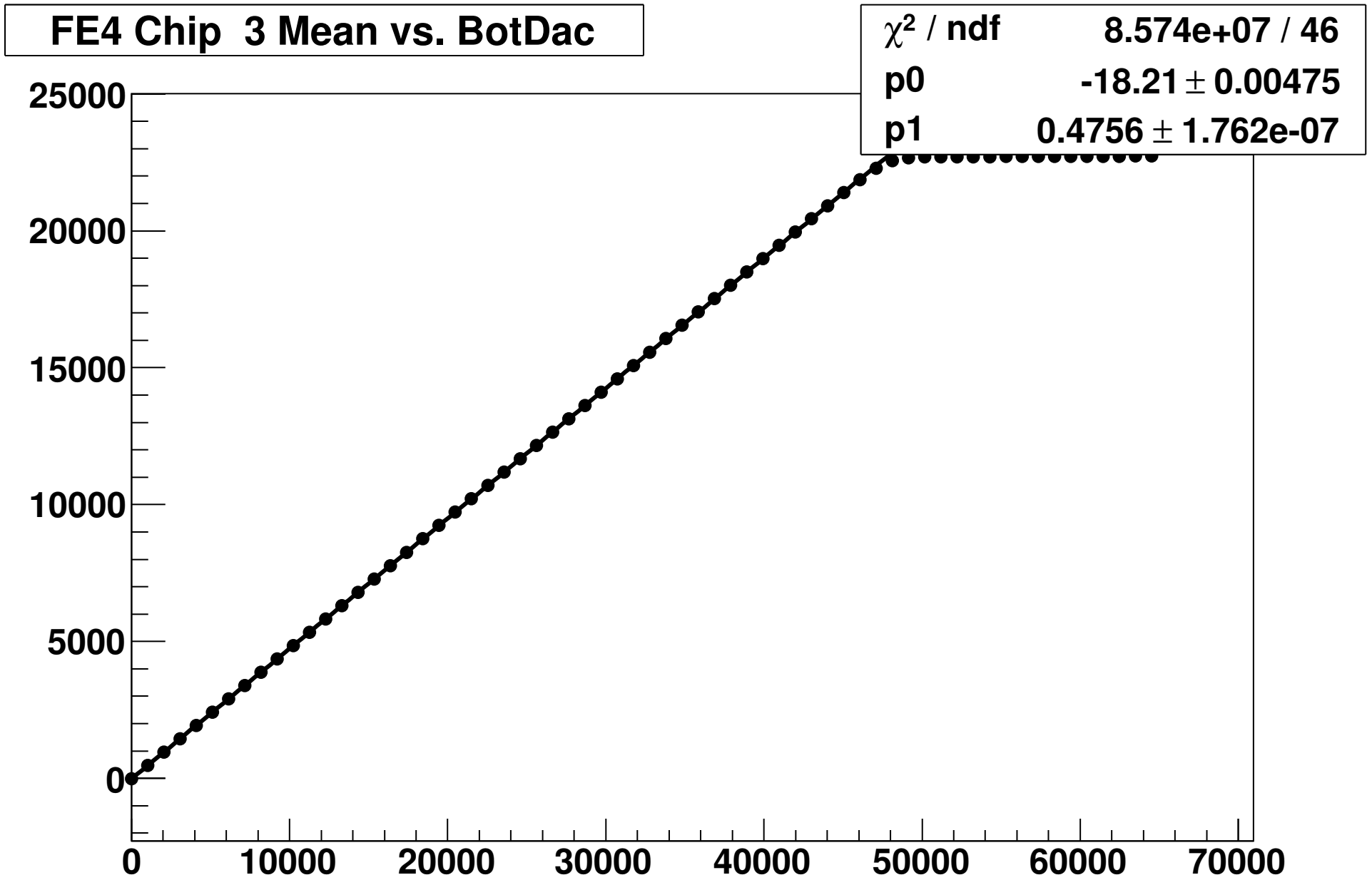
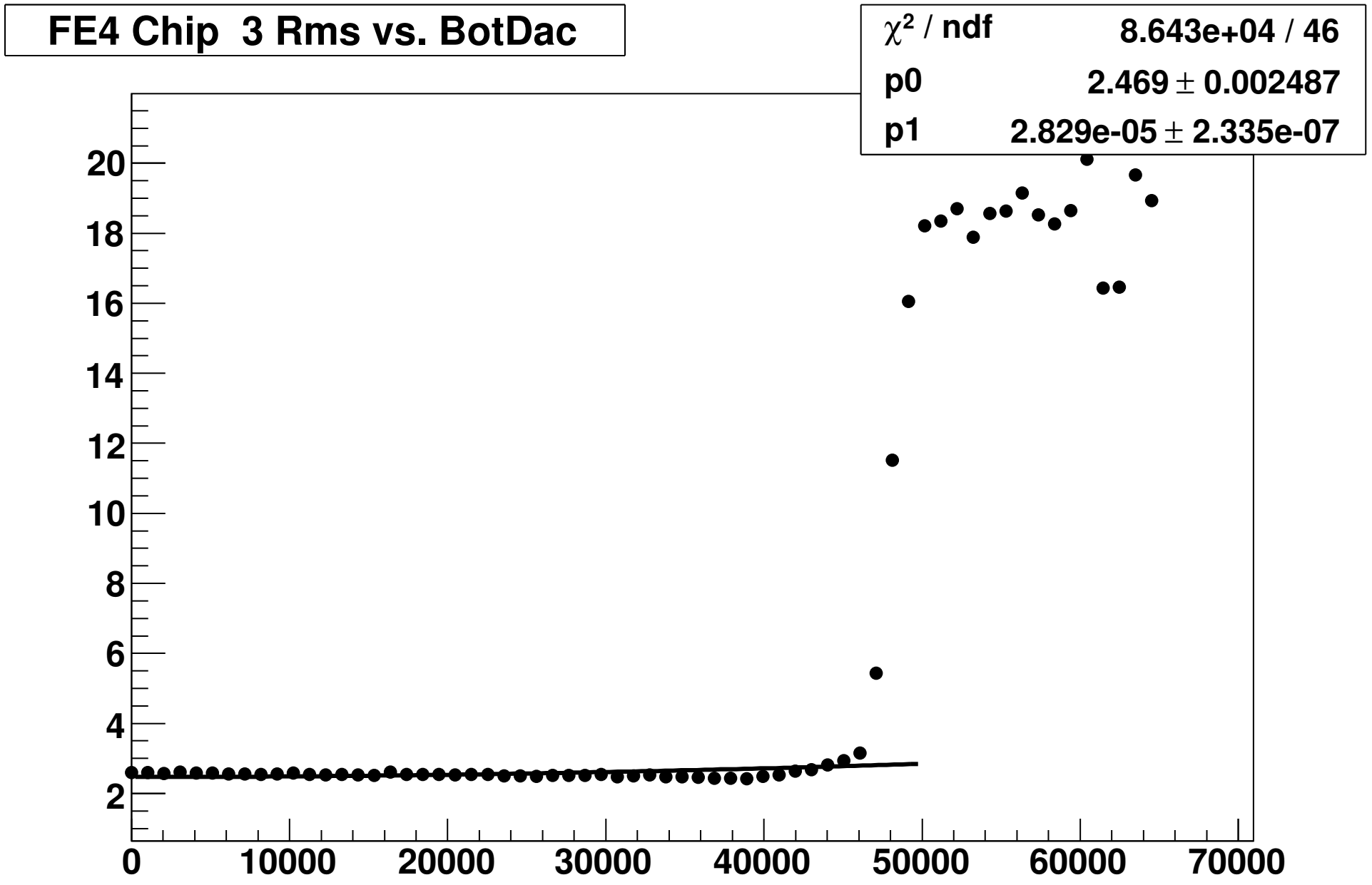

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 8.574e+07 / 46
p0 -18.21 ± 0.00475
p1 0.4756 ± 1.762e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 8.643e+04 / 46
p0 2.469 ± 0.002487
p1 2.829e-05 ± 2.335e-07
20
18
16
14
12
10
8
6
4
2
0
10000
20000
30000
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50000
60000
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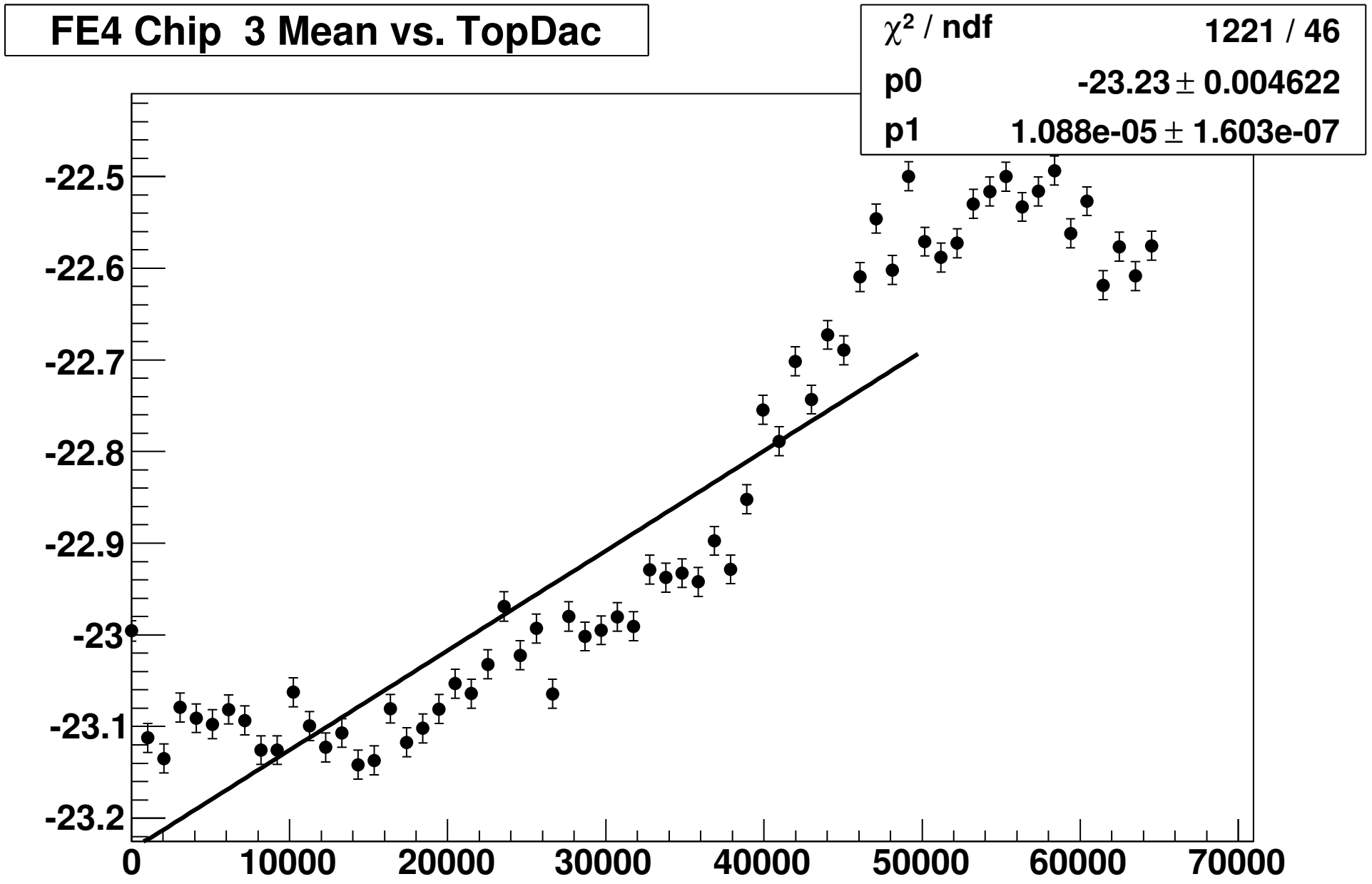
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1221 / 46
p0 -23.23 ± 0.004622
p1 1.088e-05 ± 1.603e-07
-22.5
-22.6
-22.7
-22.8
-22.9
-23
-23.1
-23.2
0
10000
20000
30000
40000
50000
60000
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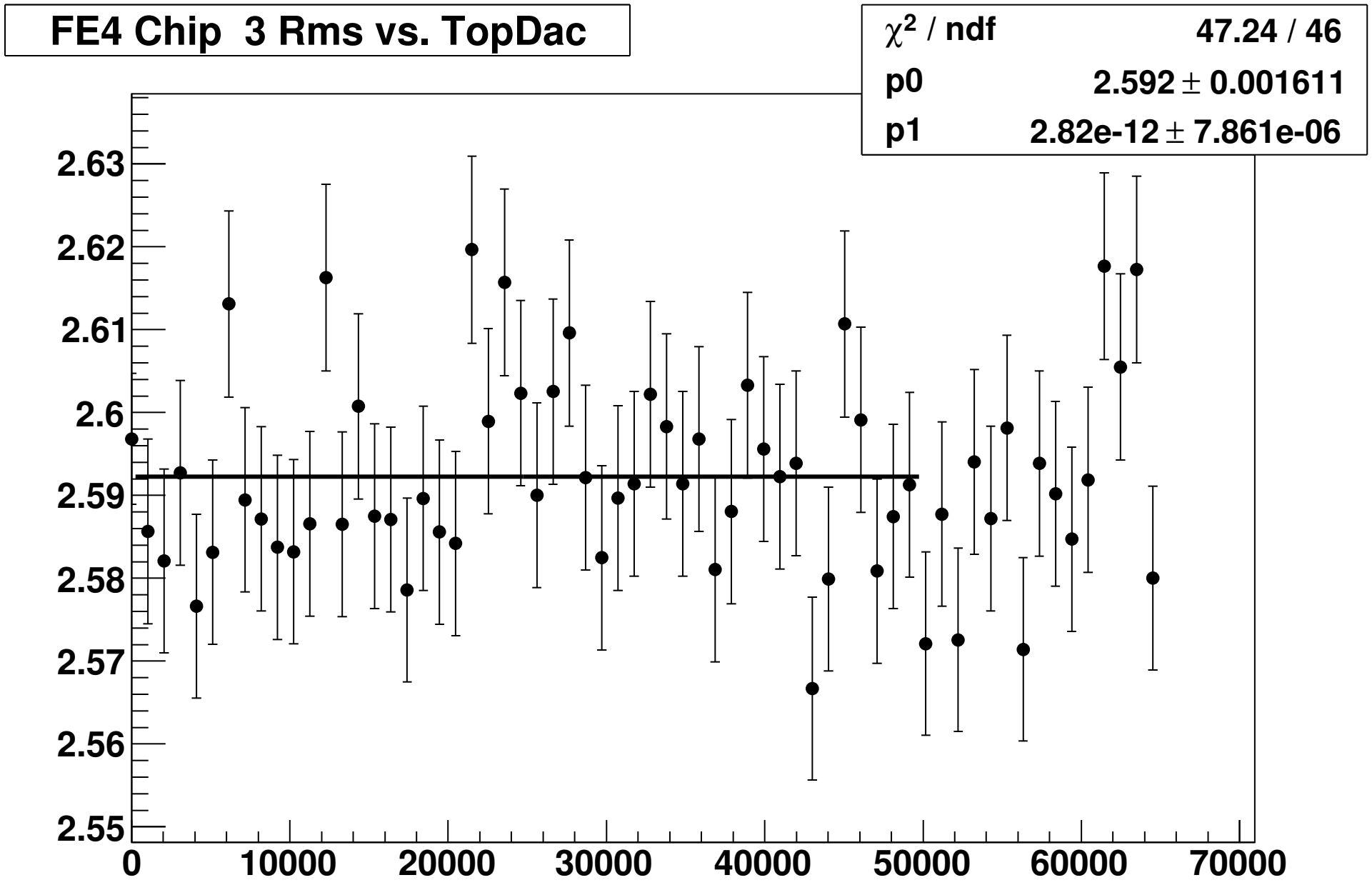
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 47.24 / 46
p0 2.592 ± 0.001611
p1 2.82e-12 ± 7.861e-06
2.63
2.62
2.61
2.6
2.59
2.58
2.57
2.56
2.55
0
10000
20000
30000
40000
50000
60000
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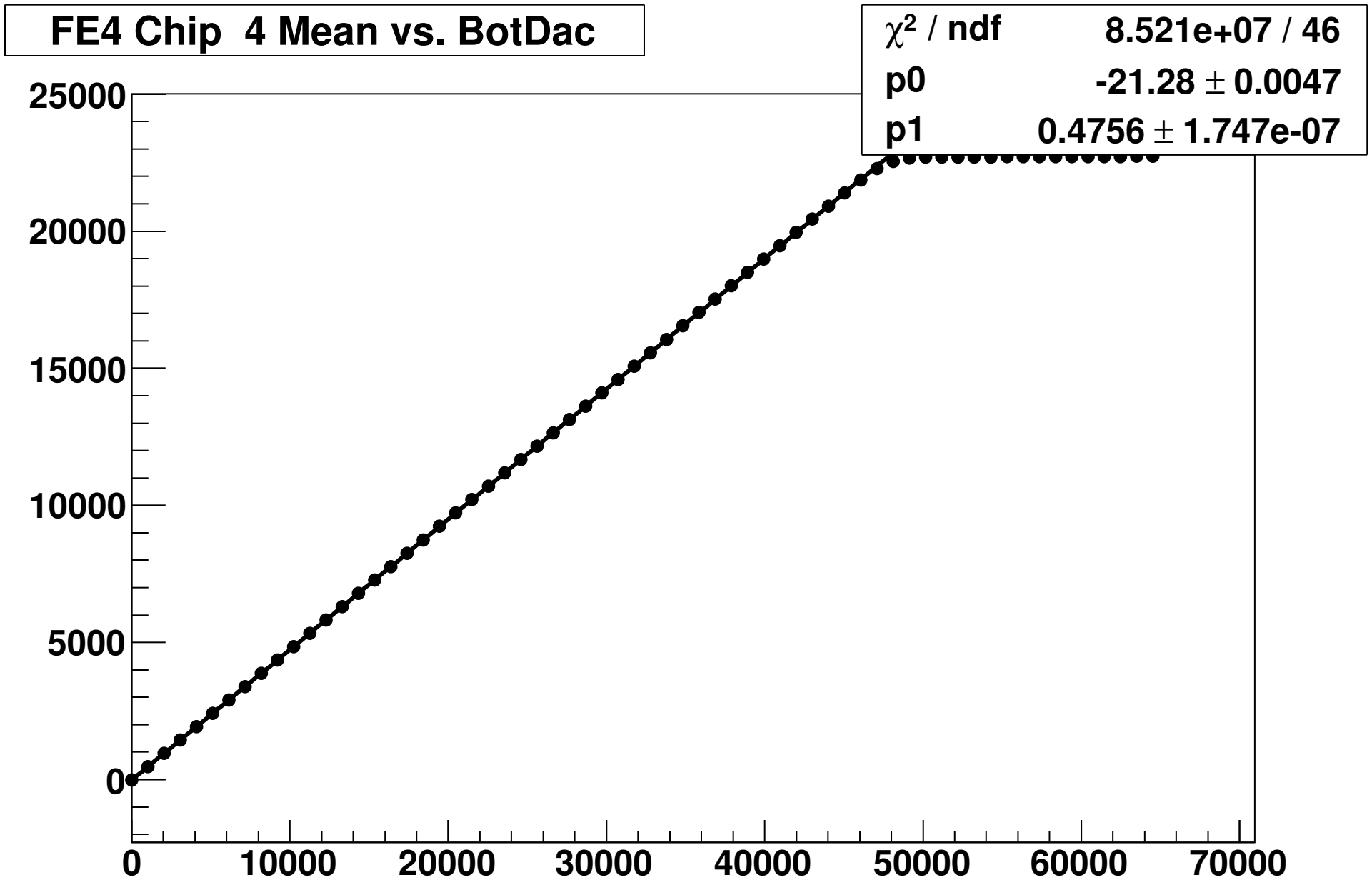
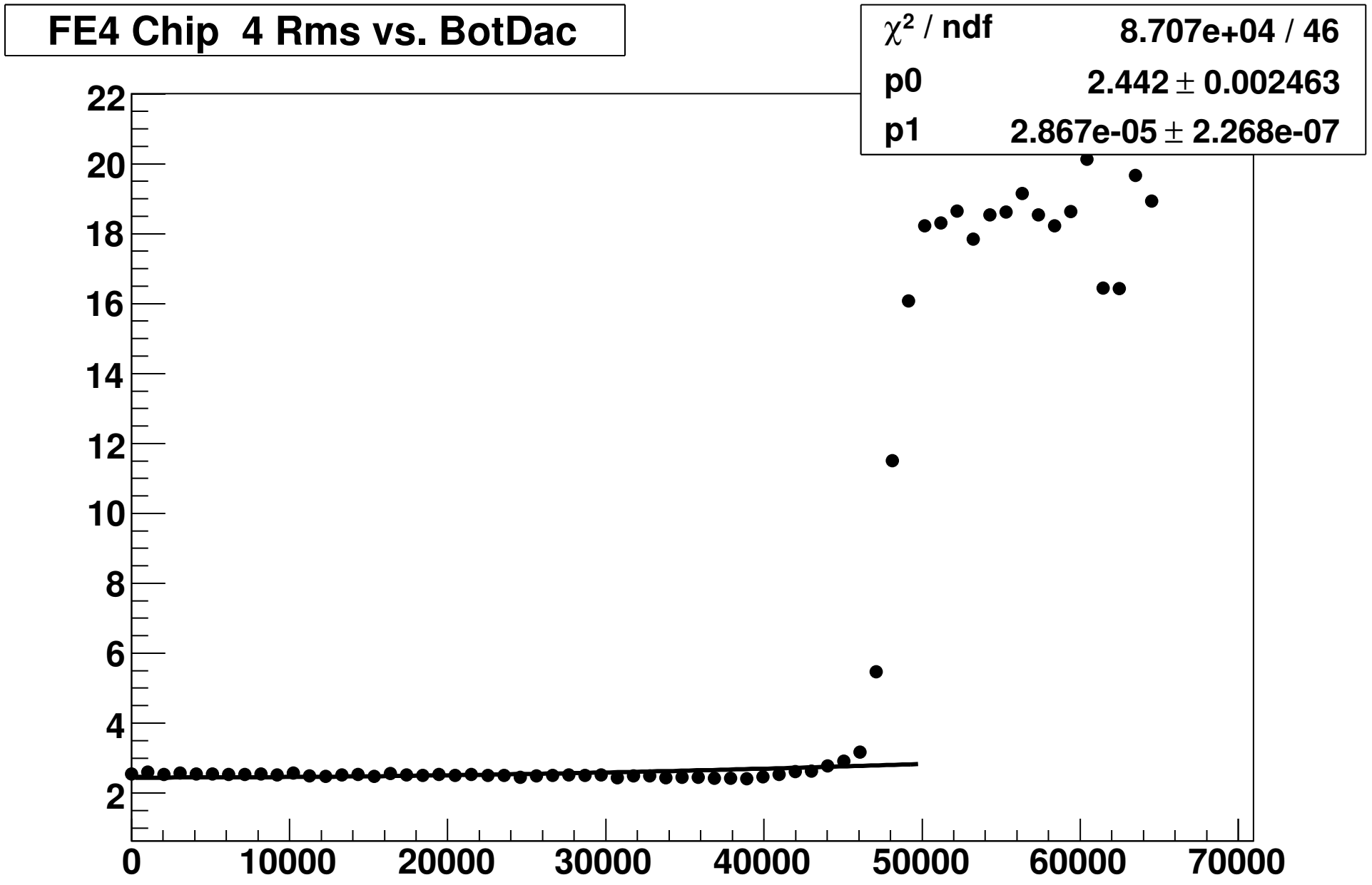

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.521e+07 / 46
p0 -21.28 ± 0.0047
p1 0.4756 ± 1.747e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 8.707e+04 / 46
p0 2.442 ± 0.002463
p1 2.867e-05 ± 2.268e-07
22
20
18
16
14
12
10
8
6
4
2
0
10000
20000
30000
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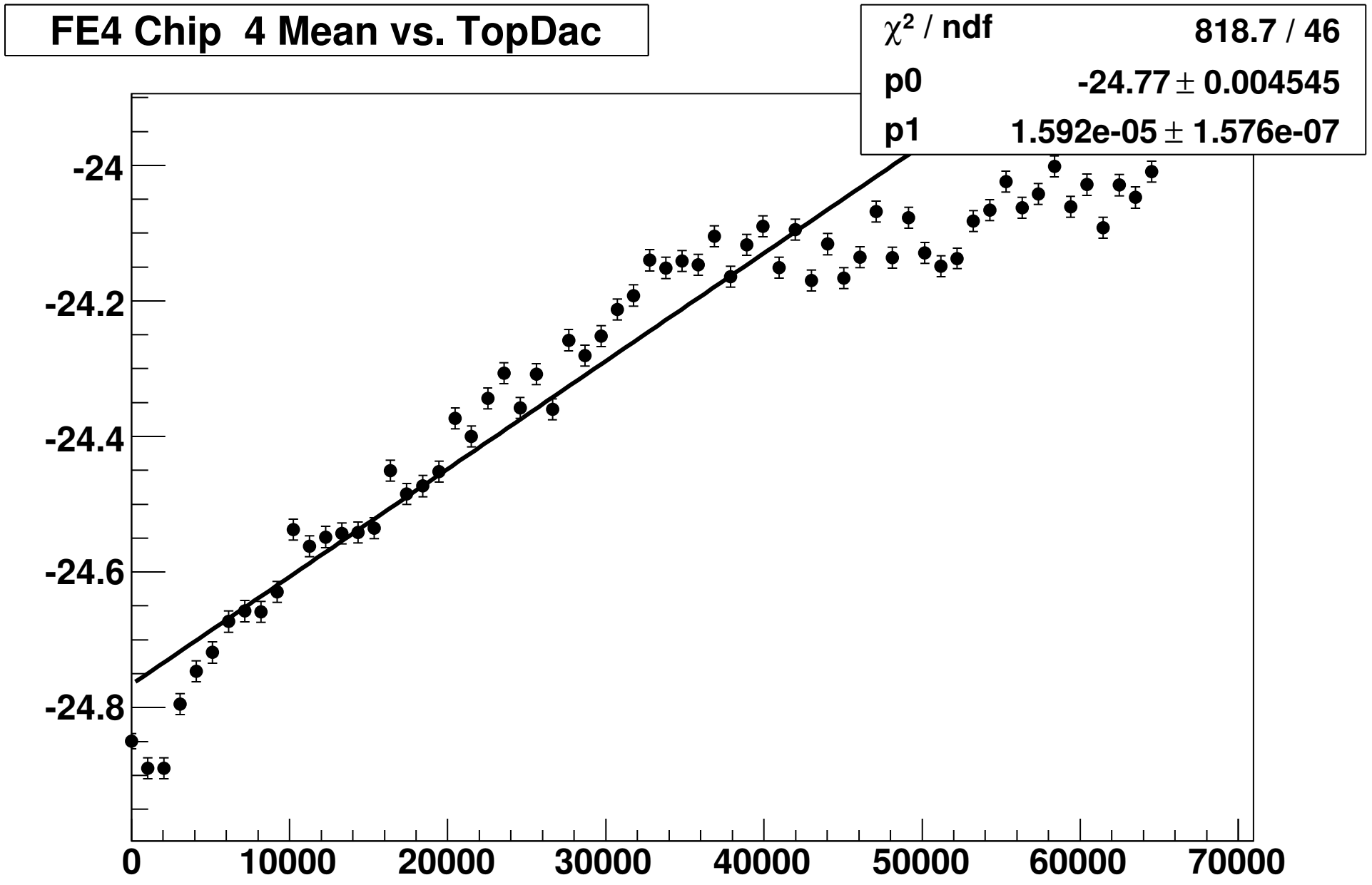
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 818.7 / 46
p0 -24.77 ± 0.004545
p1 1.592e-05 ± 1.576e-07
-24
-24.2
-24.4
-24.6
-24.8
0
10000
20000
30000
40000
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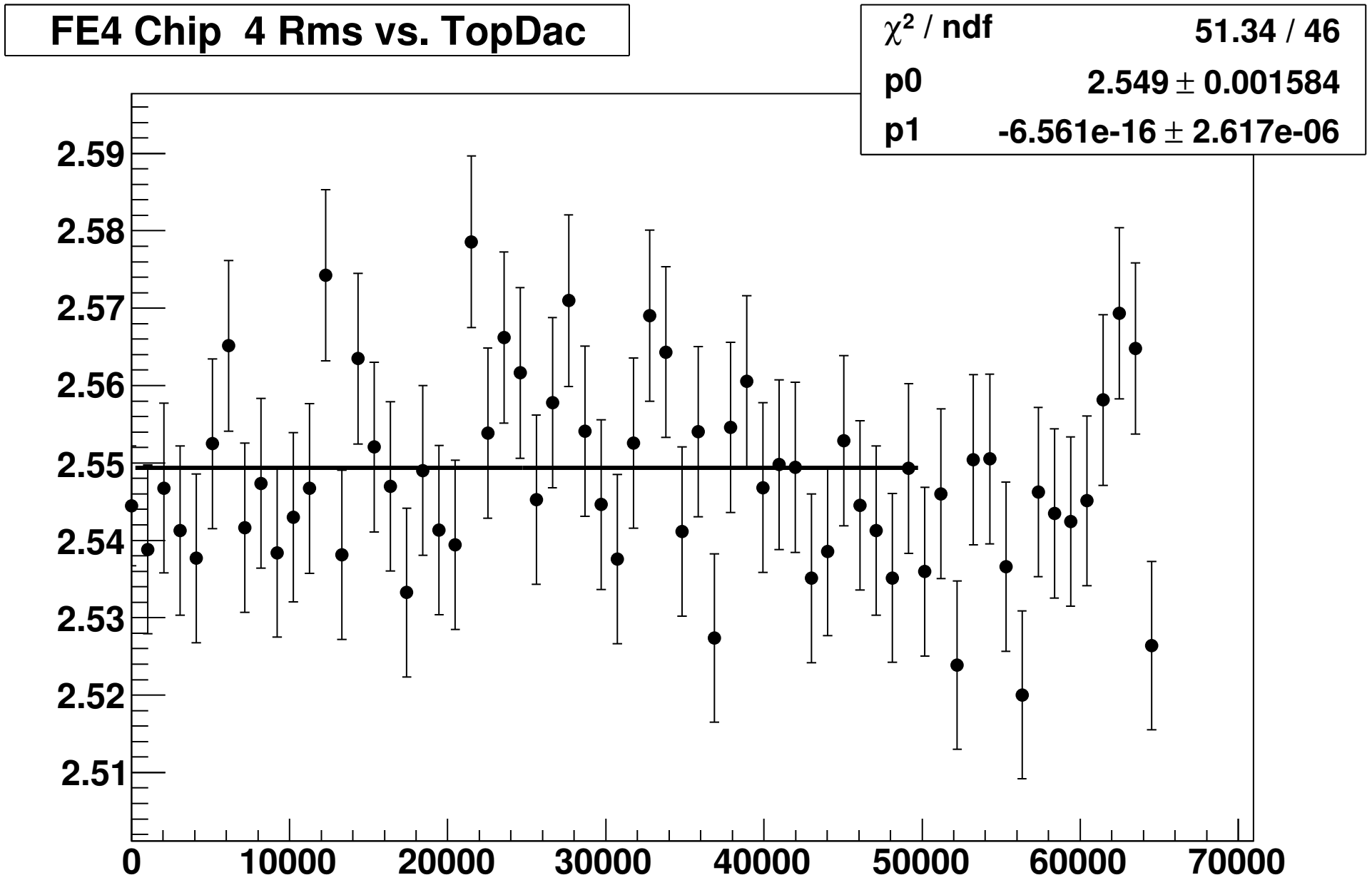
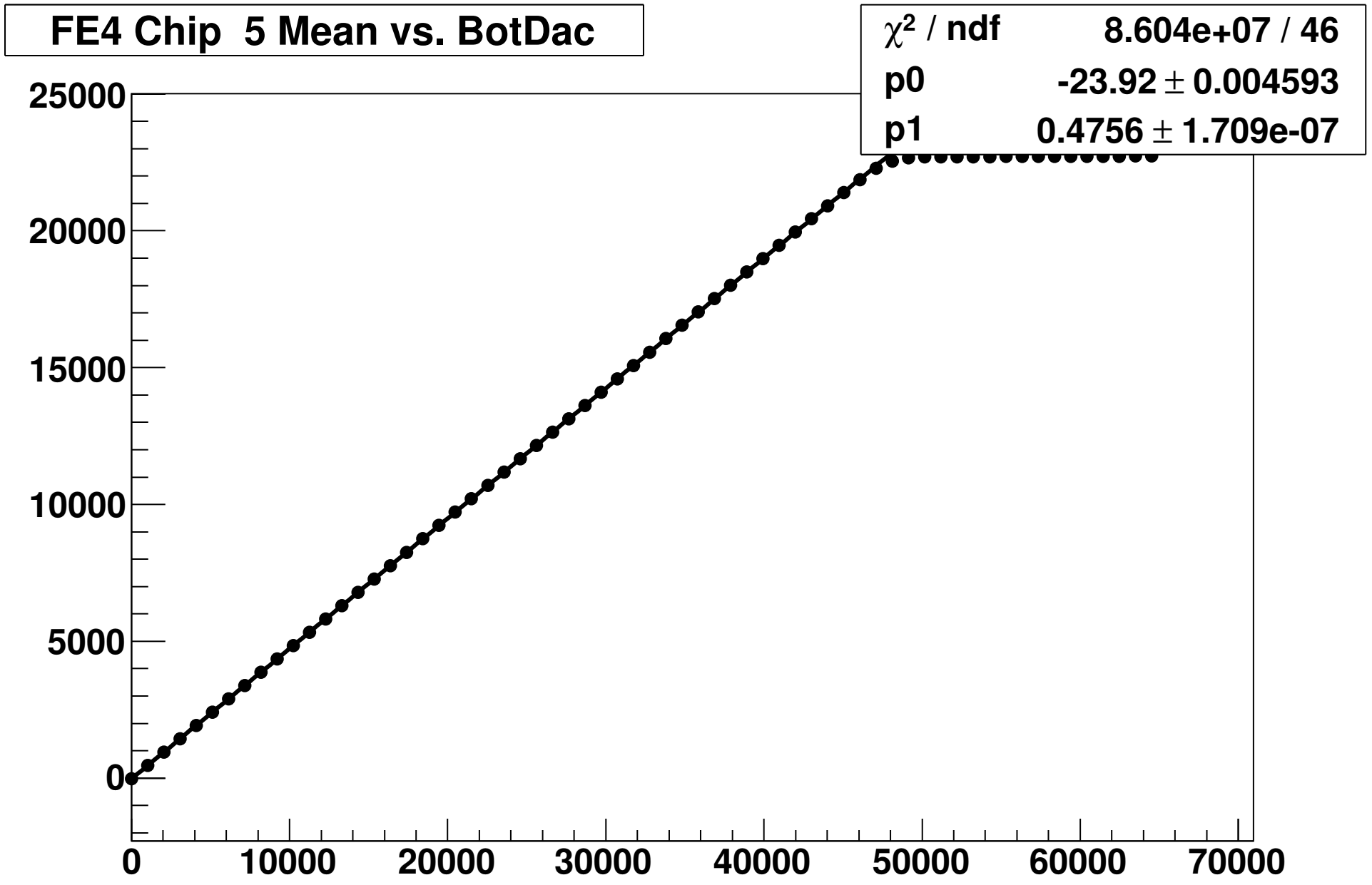
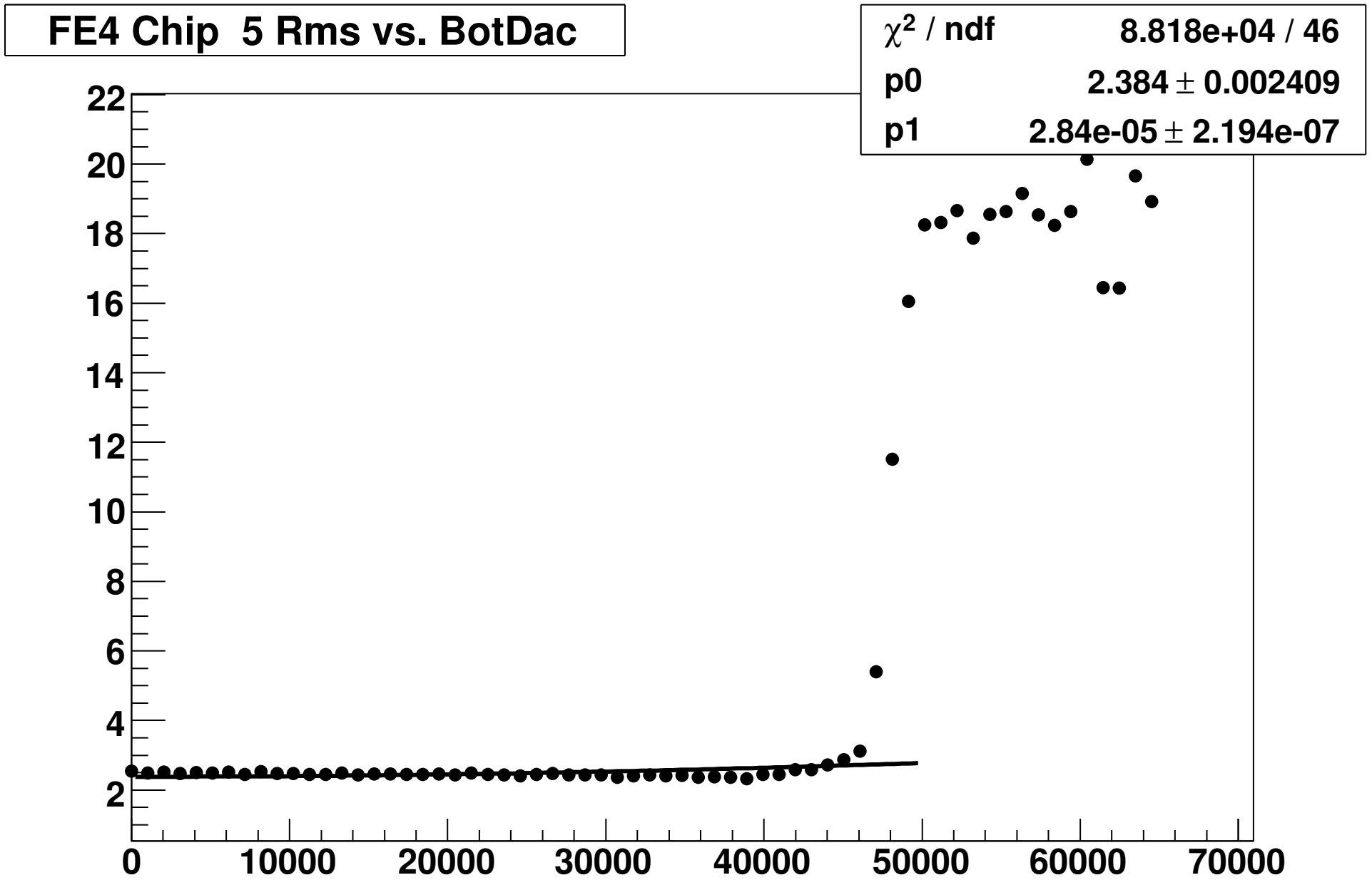
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 51.34 / 46
p0 2.549 ± 0.001584
p1 -6.561e-16 ± 2.617e-06
2.59
2.58
2.57
2.56
2.55
2.54
2.53
2.52
2.51
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 8.604e+07 / 46
p0 -23.92 ± 0.004593
p1 0.4756 ± 1.709e-07
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 8.818e+04 / 46
p0 2.384 ± 0.002409
p1 2.84e-05 ± 2.194e-07
22
20
18
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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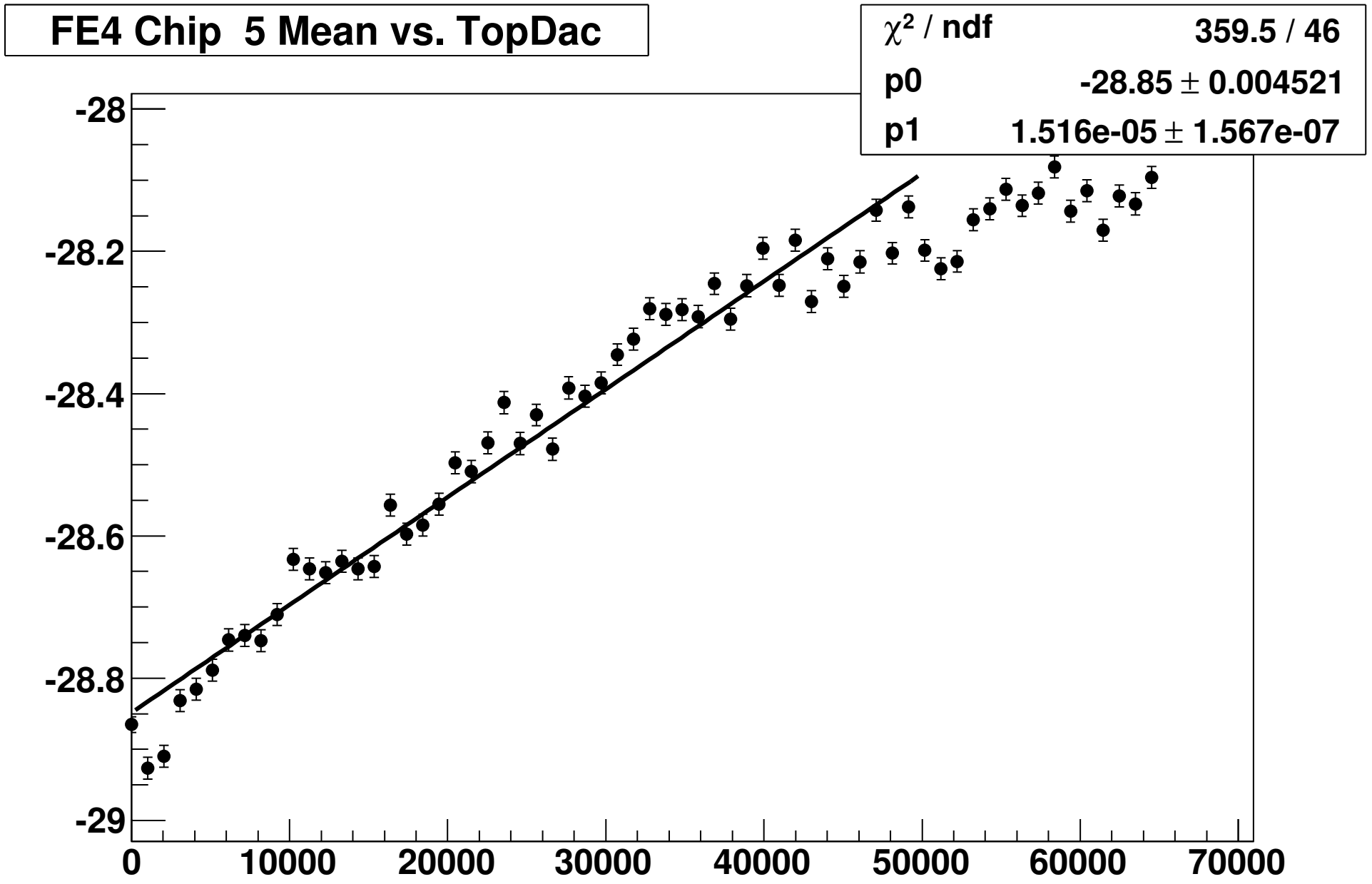
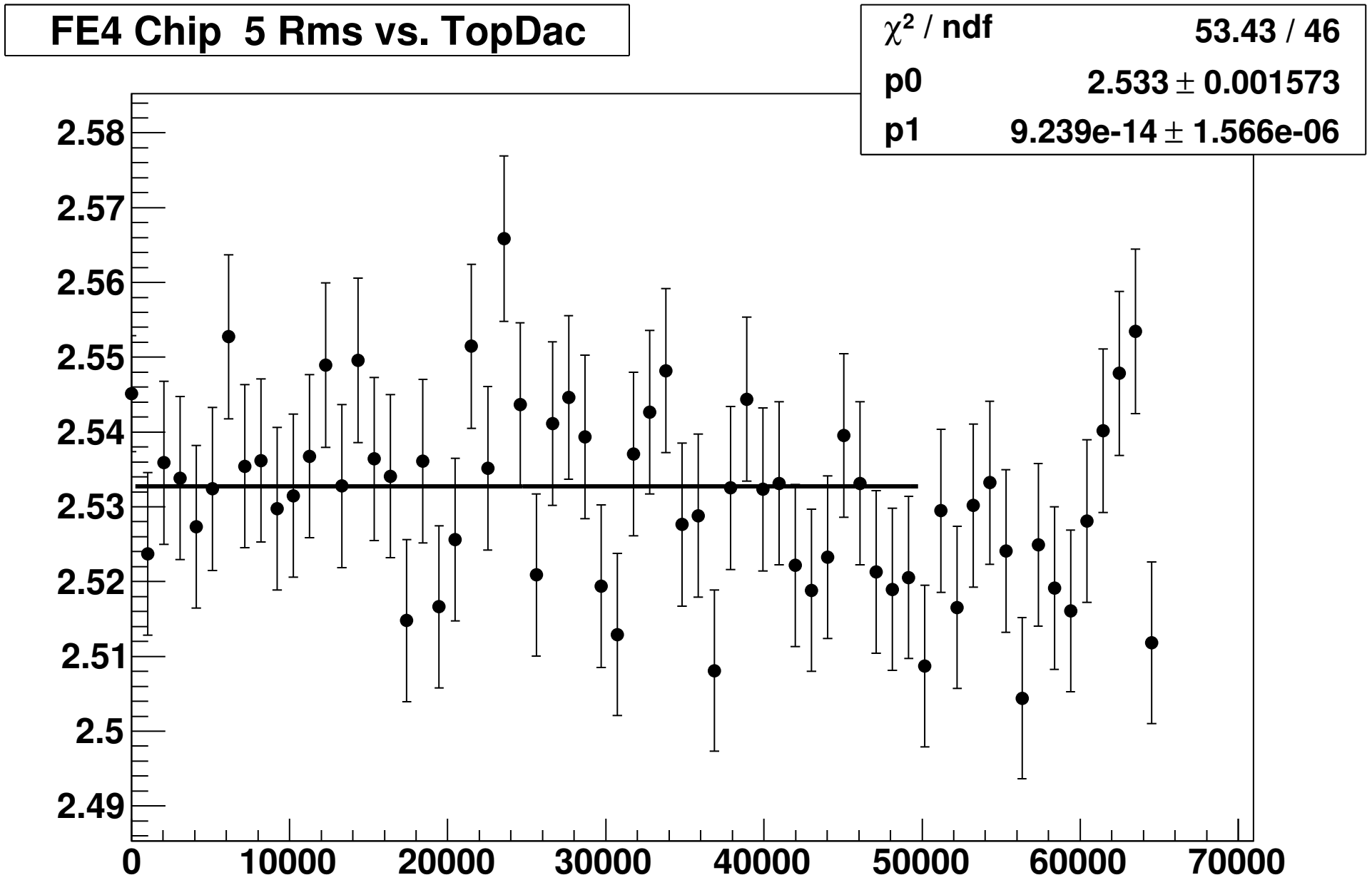

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 359.5 / 46
p0 -28.85 ± 0.004521
p1 1.516e-05 ± 1.567e-07
-28
-28.2
-28.4
-28.6
-28.8
-29
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 53.43 / 46
p0 2.533 ± 0.001573
p1 9.239e-14 ± 1.566e-06
2.58
2.57
2.56
2.55
2.54
2.53
2.52
2.51
2.5
2.49
0
10000
20000
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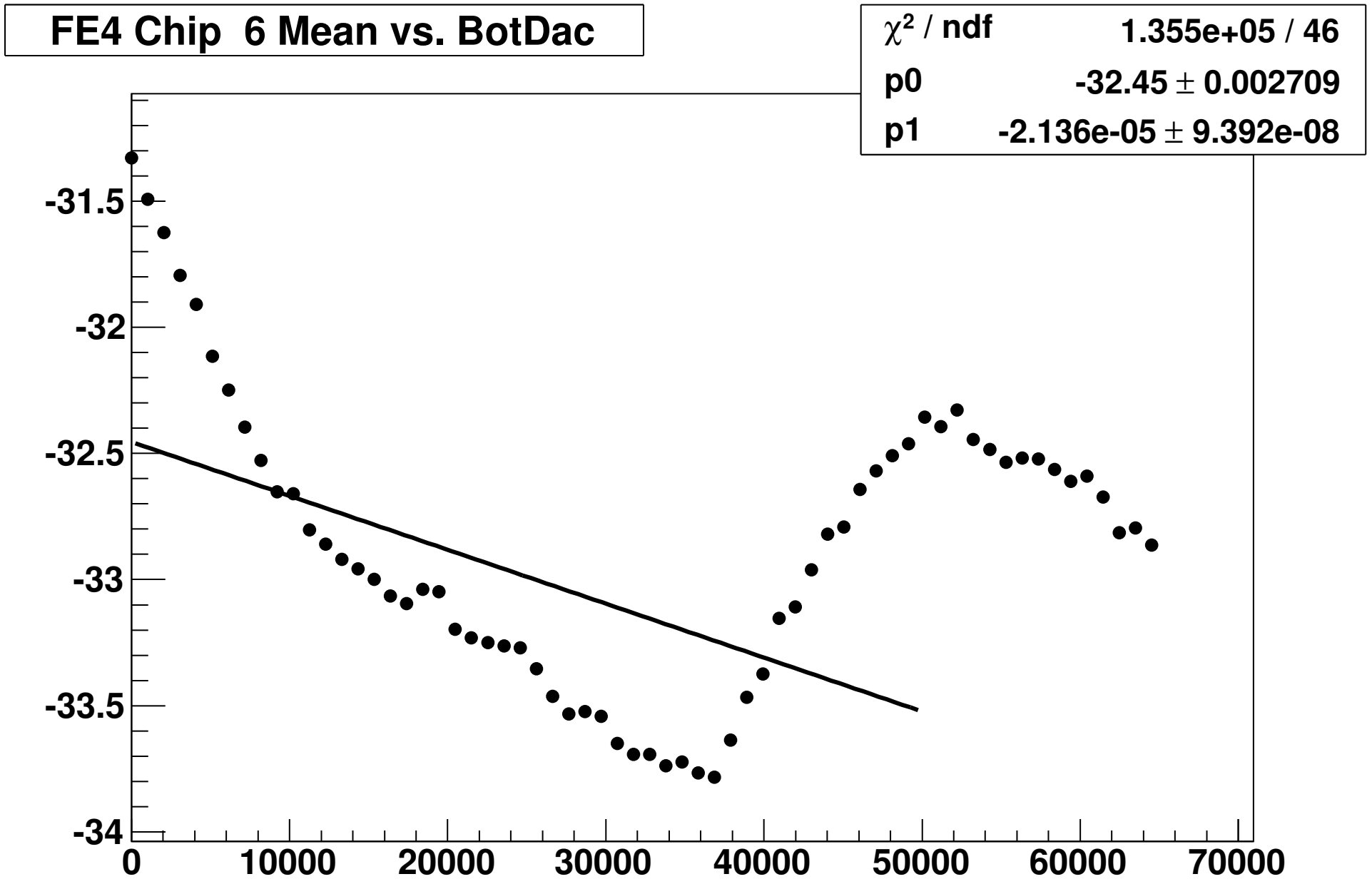
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 1.355e+05 / 46
p0 -32.45 ± 0.002709
p1 -2.136e-05 ± 9.392e-08
-31.5
-32
-32.5
-33
-33.5
-34
0
10000
20000
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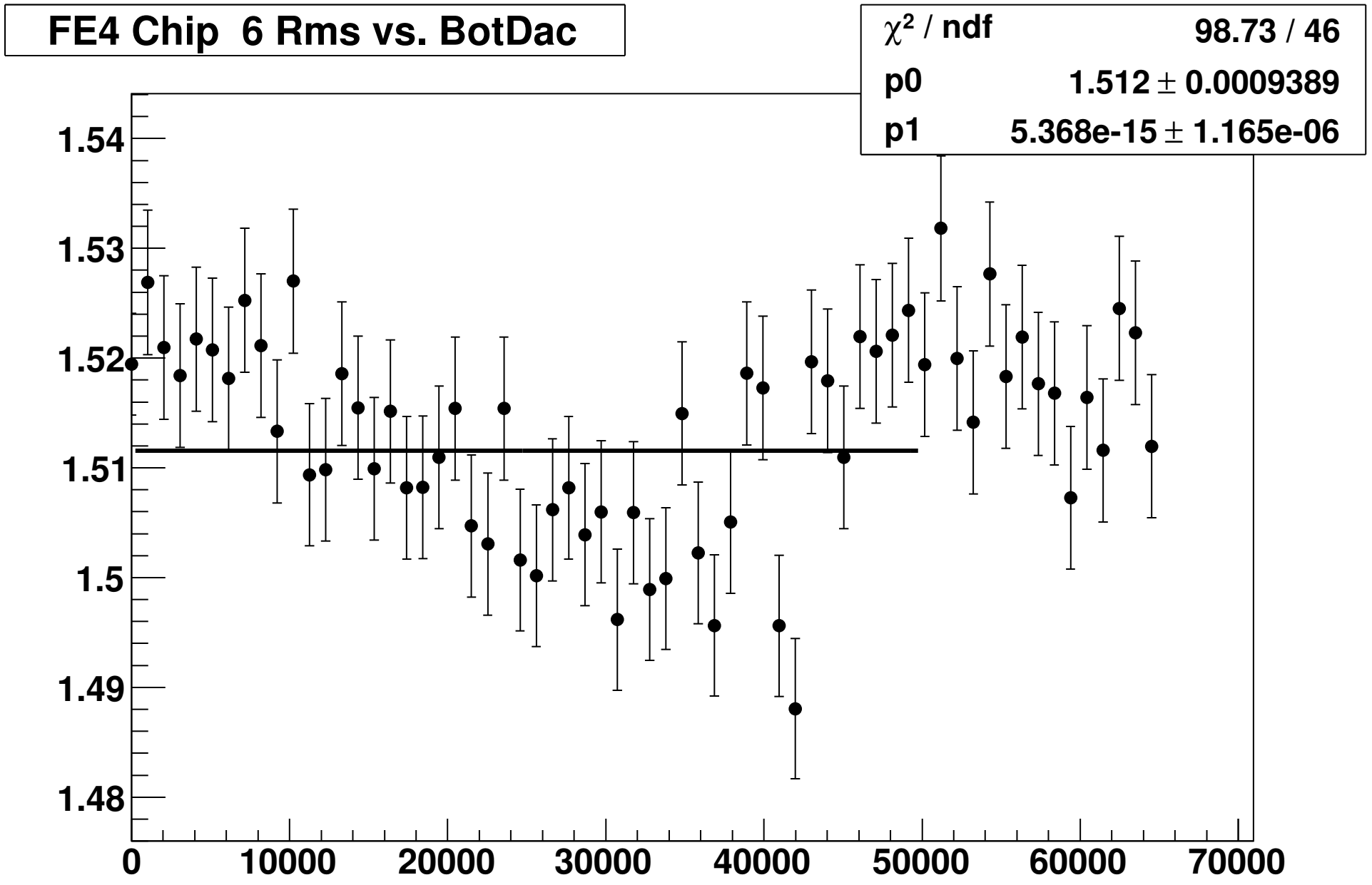
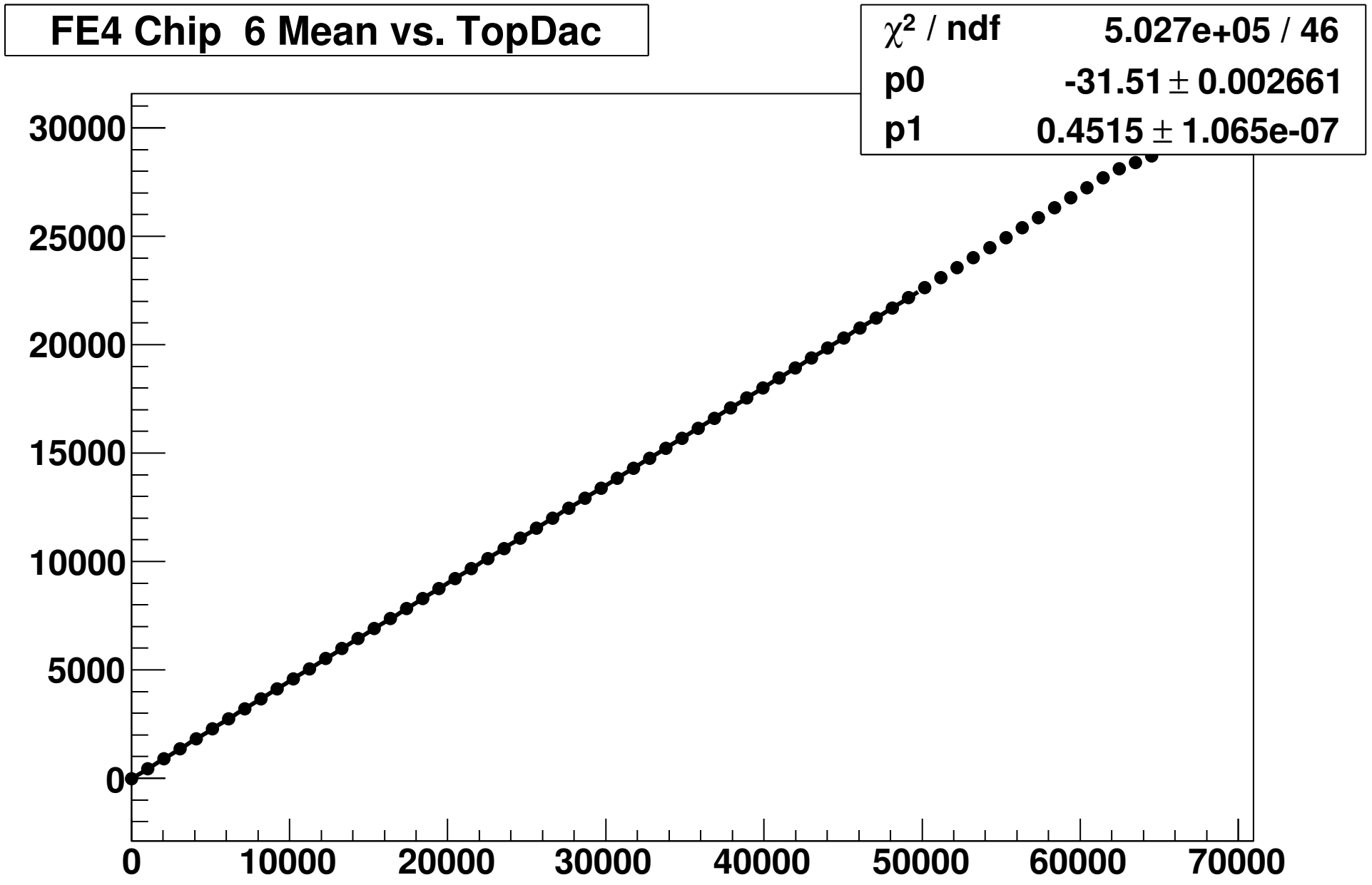
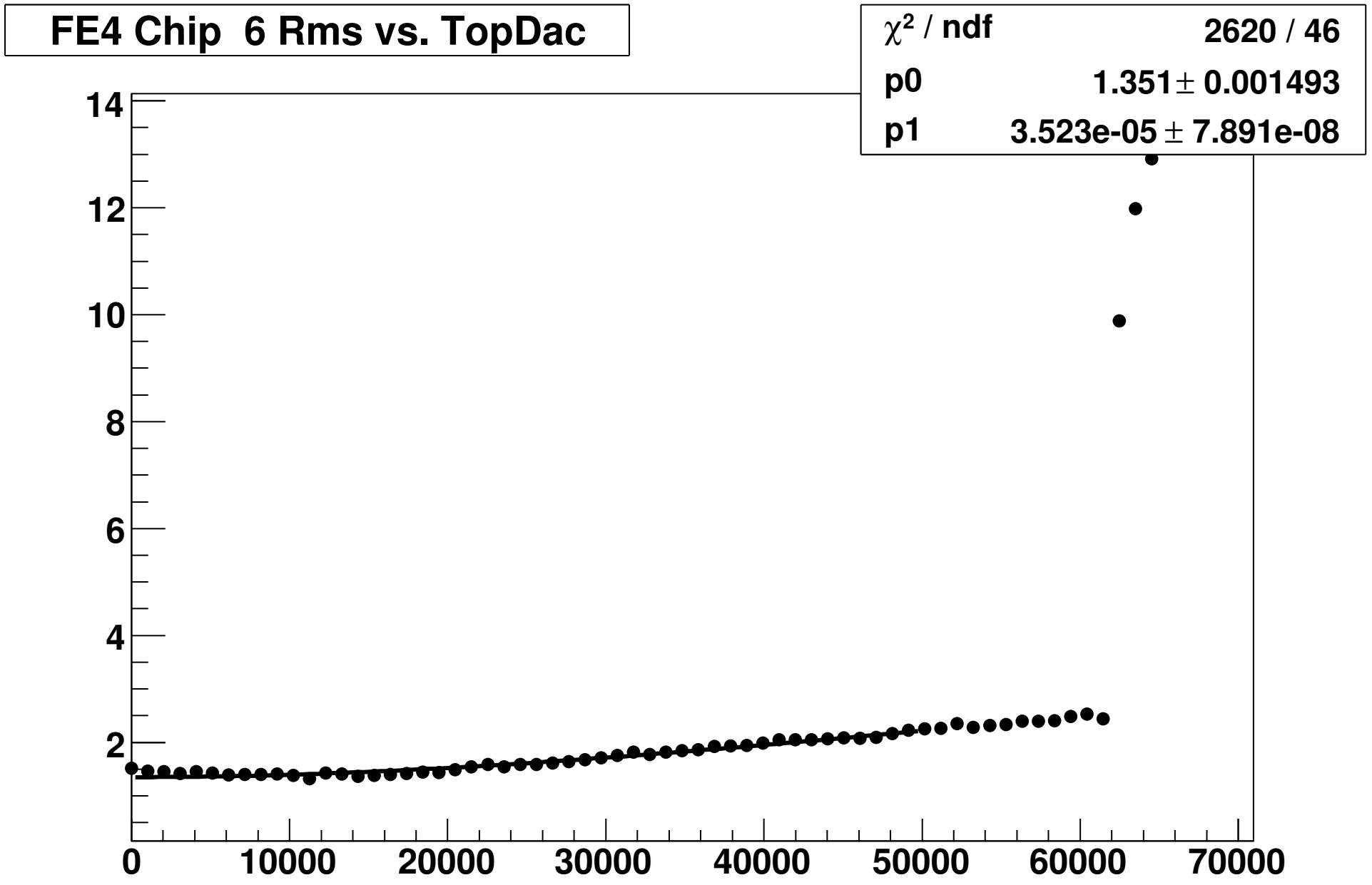
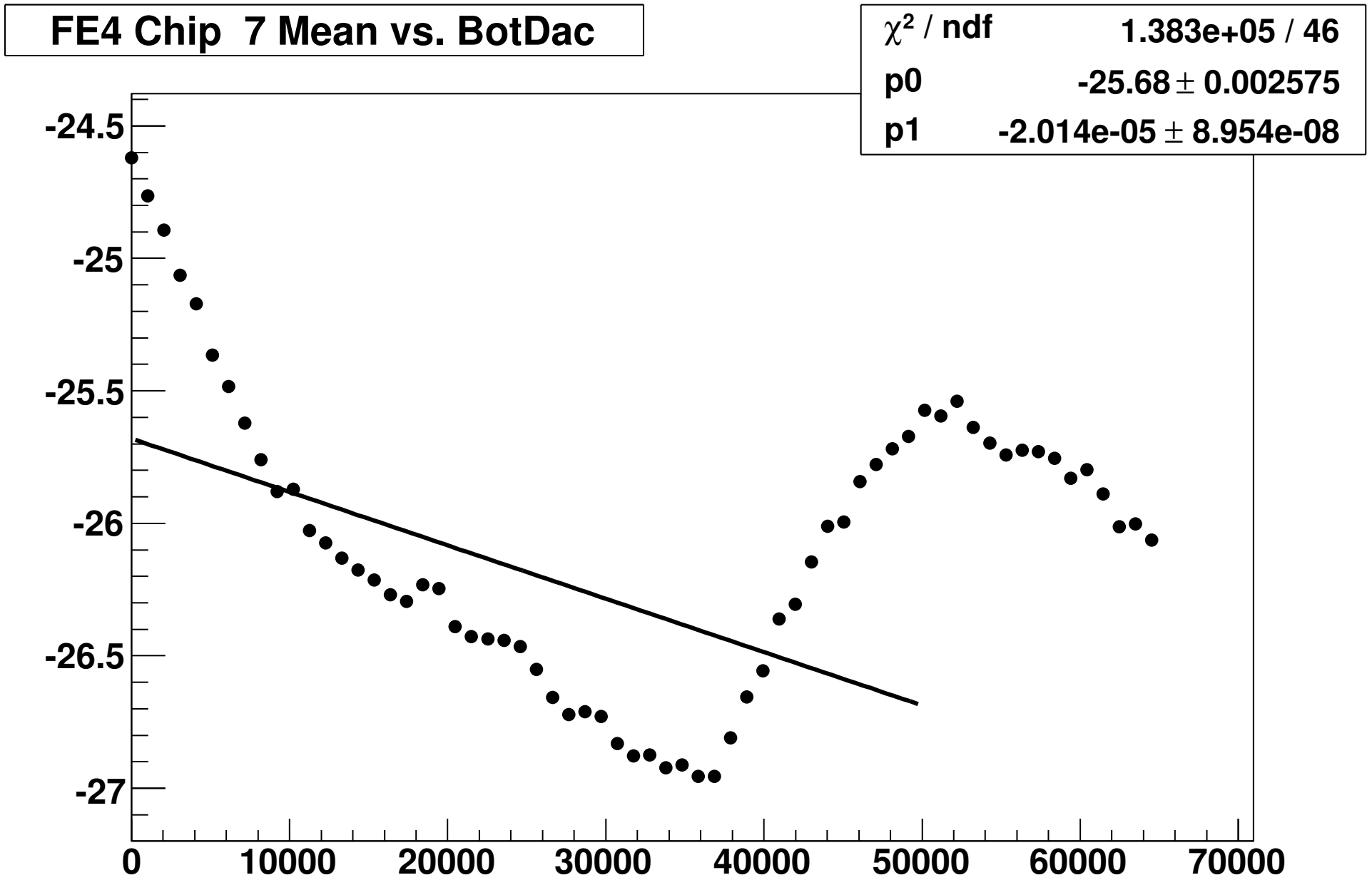
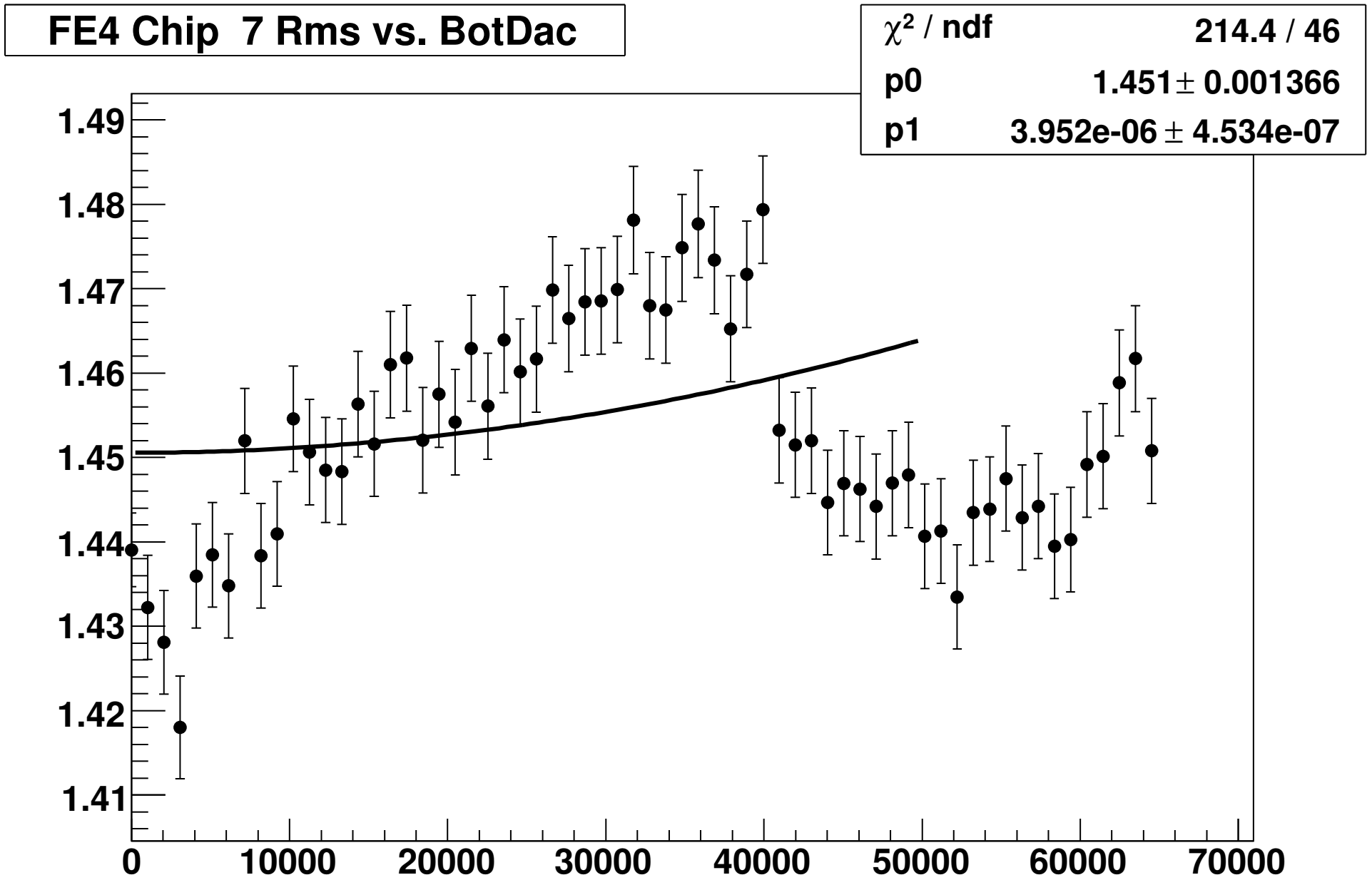
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 98.73 / 46
p0 1.512 ± 0.0009389
p1 5.368e-15 ± 1.165e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 5.027e+05 / 46
p0 -31.51 ± 0.002661
p1 0.4515 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 2620 / 46
p0 1.351 ± 0.001493
p1 3.523e-05 ± 7.891e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 1.383e+05 / 46
p0 -25.68 ± 0.002575
p1 -2.014e-05 ± 8.954e-08
-24.5
-25
-25.5
-26
-26.5
-27
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 214.4 / 46
p0 1.451 ± 0.001366
p1 3.952e-06 ± 4.534e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
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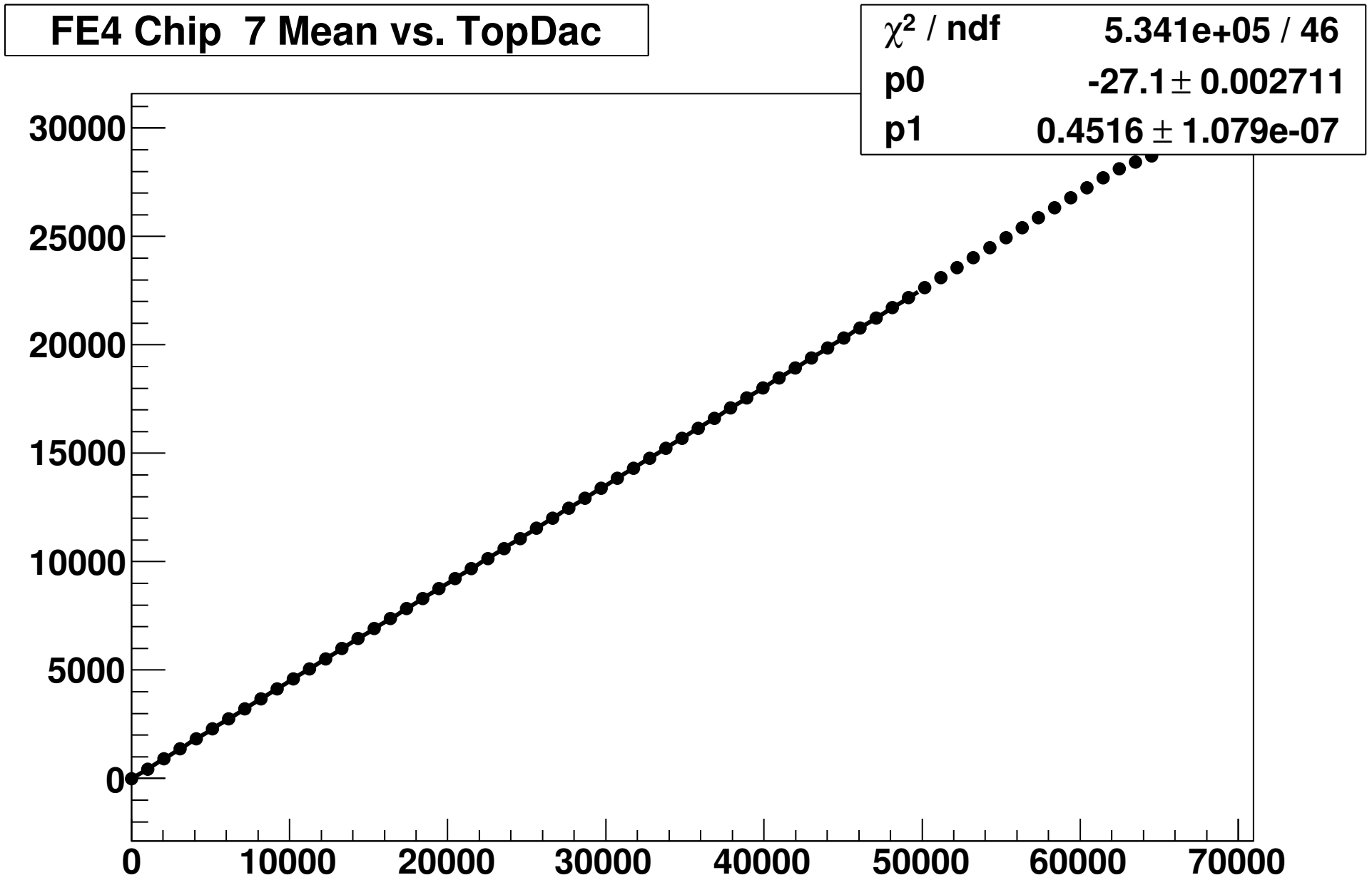
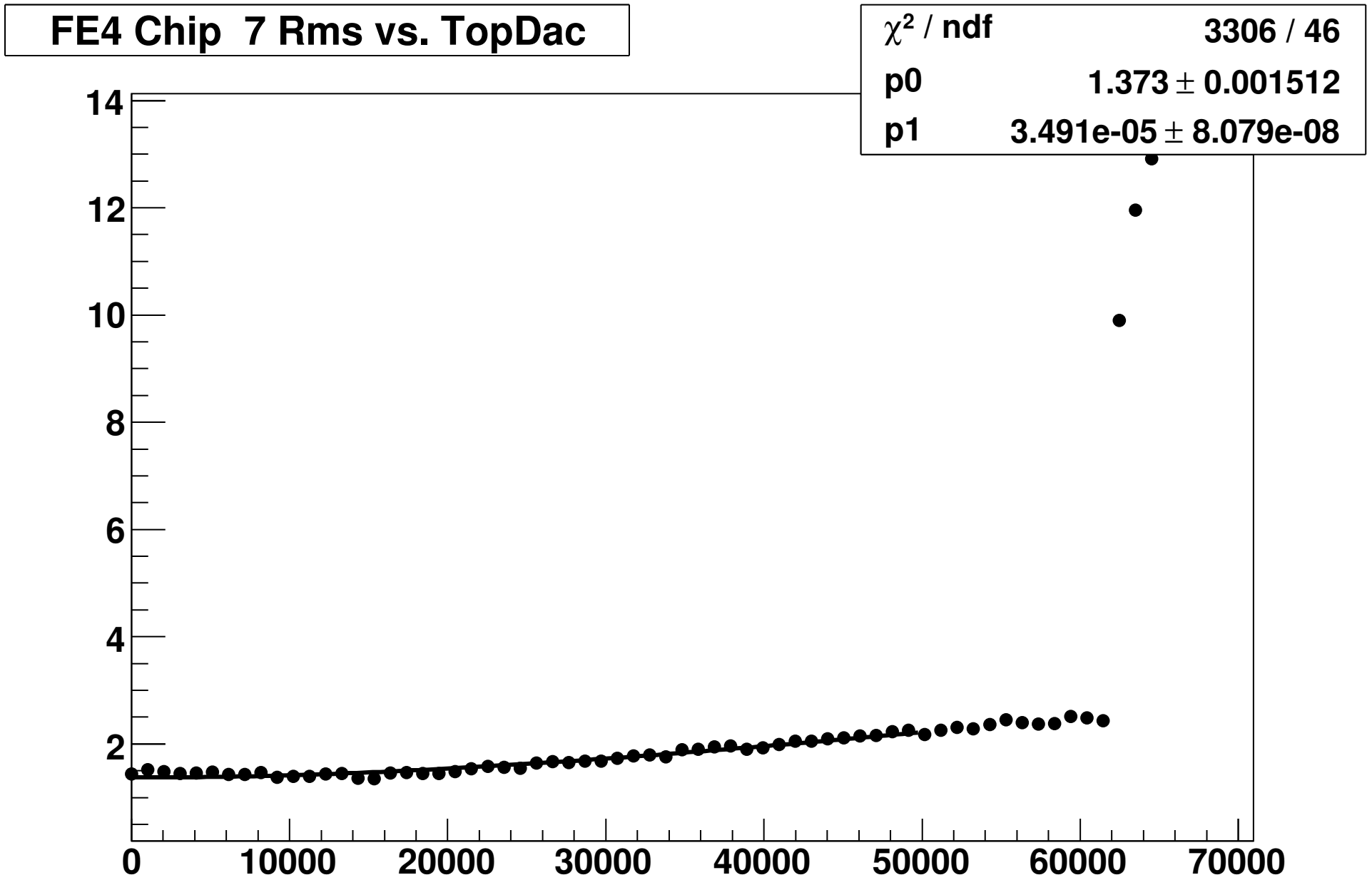
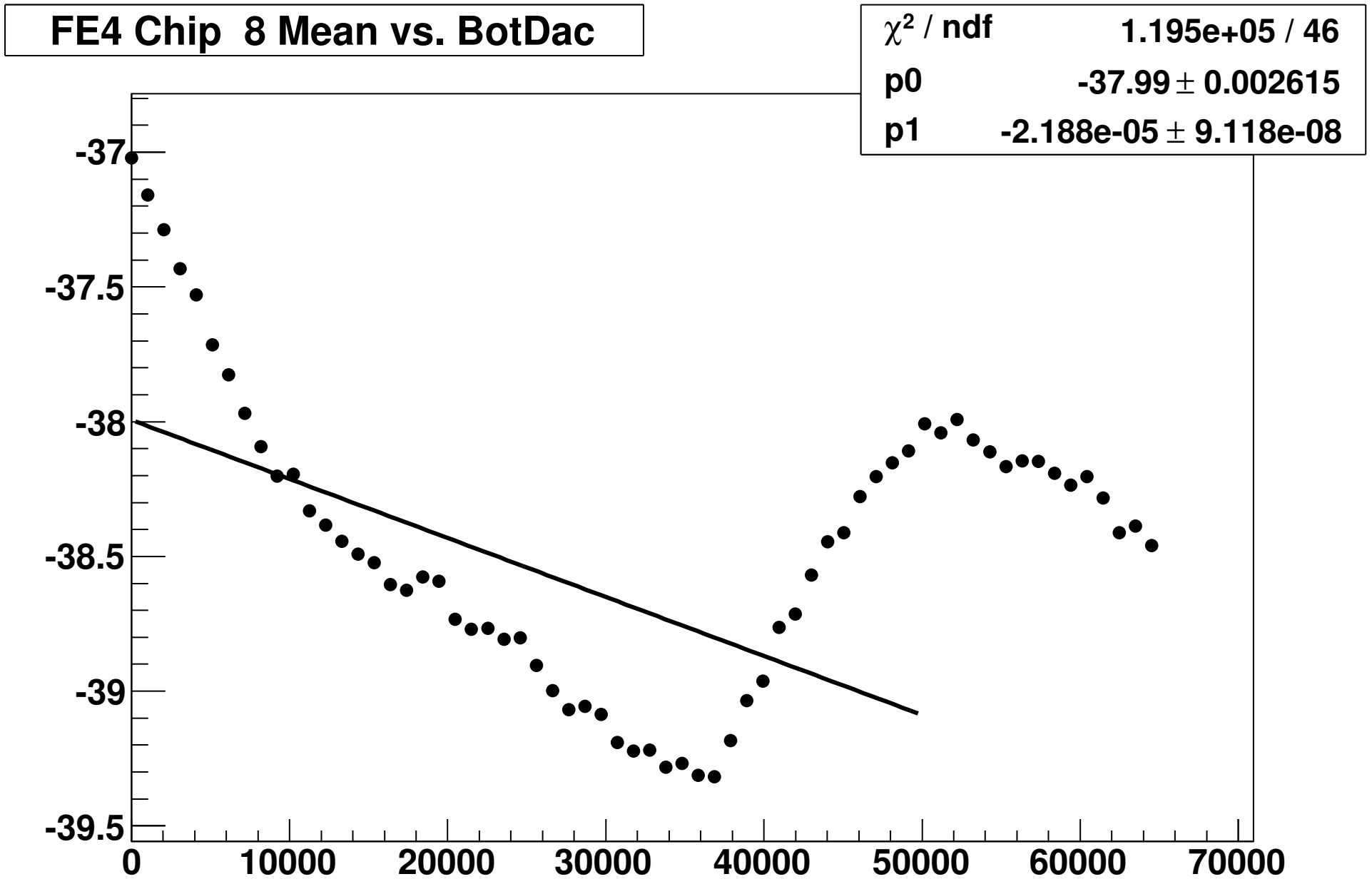
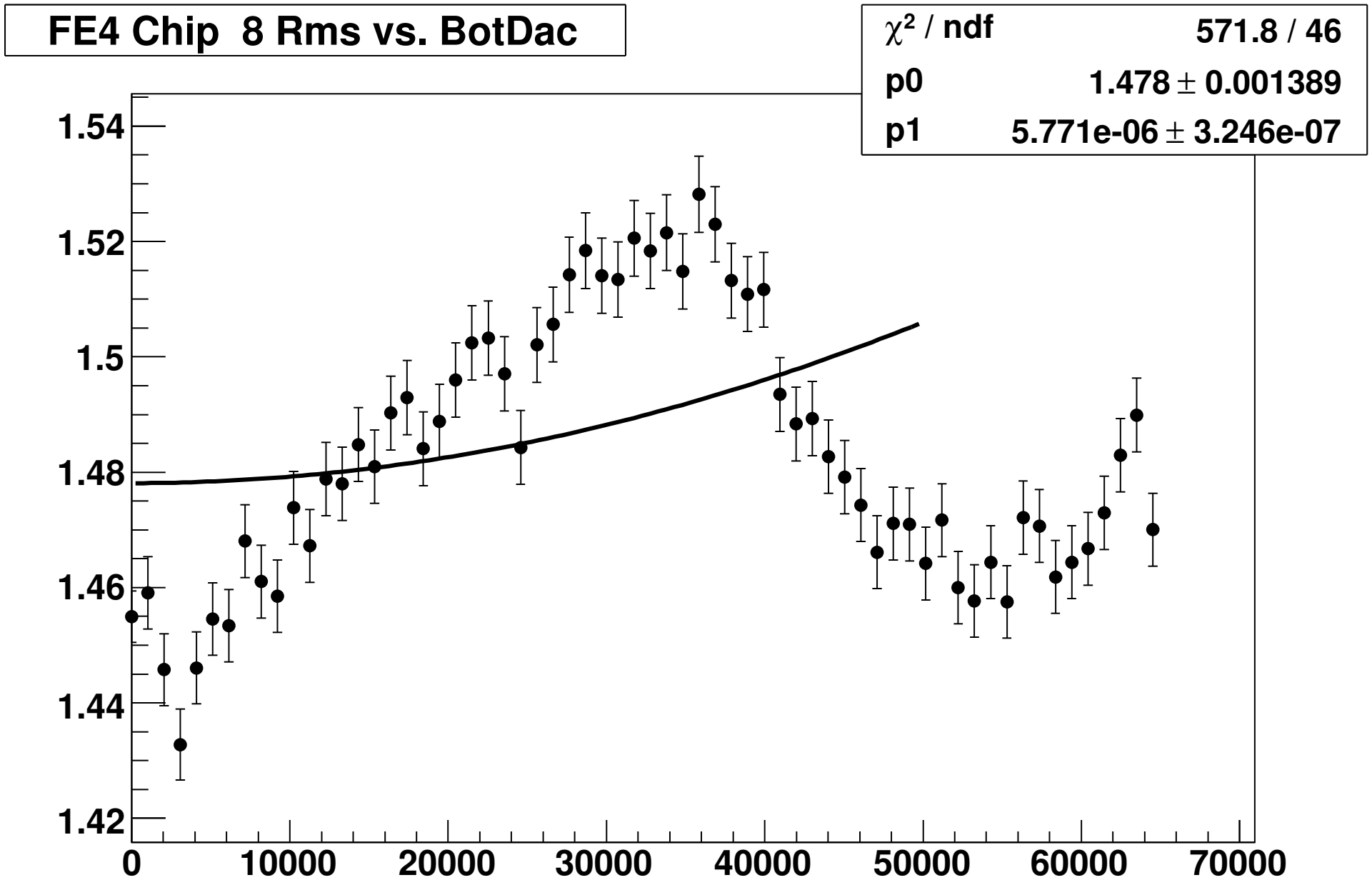
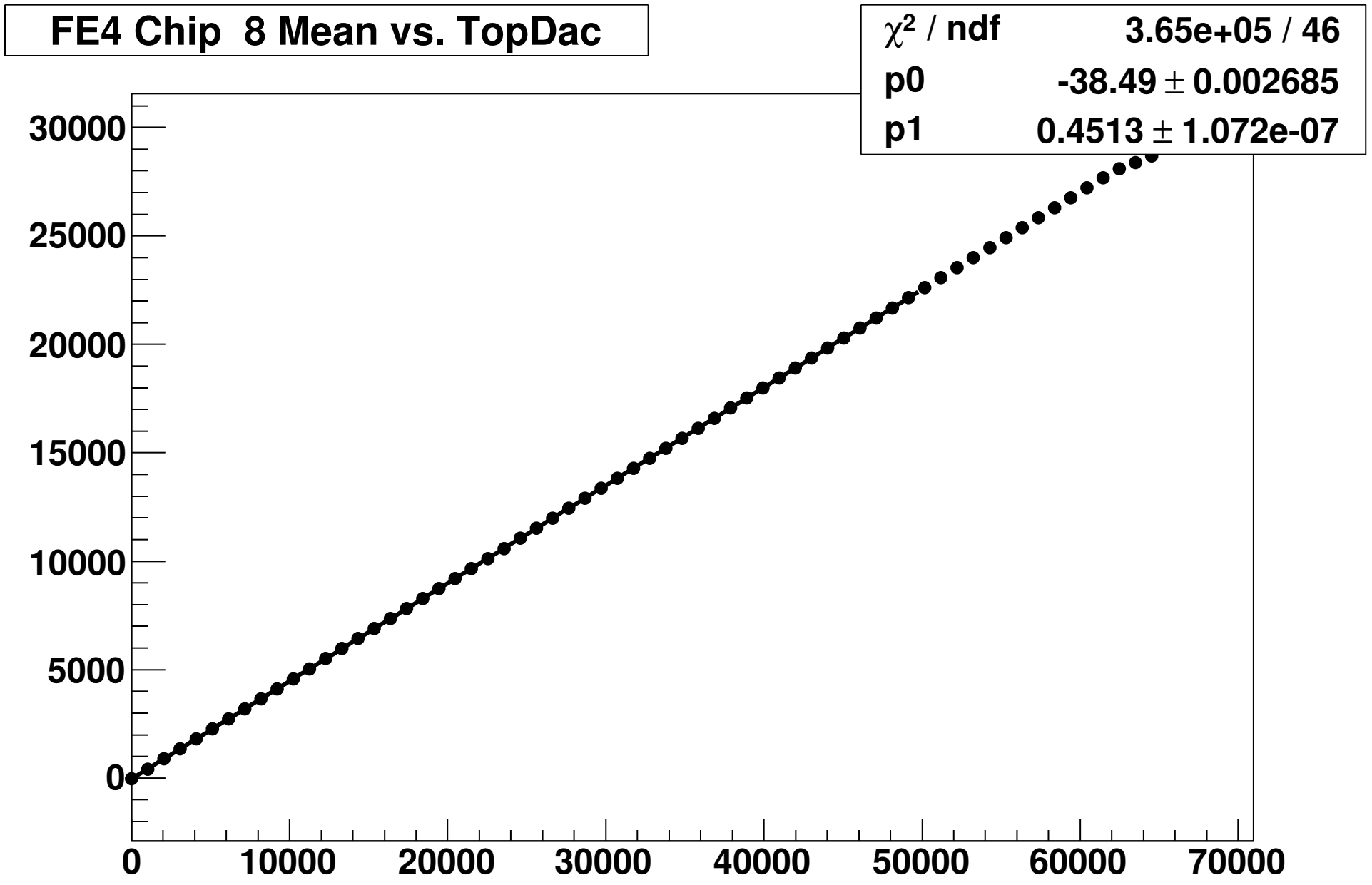
50000
60000
70000

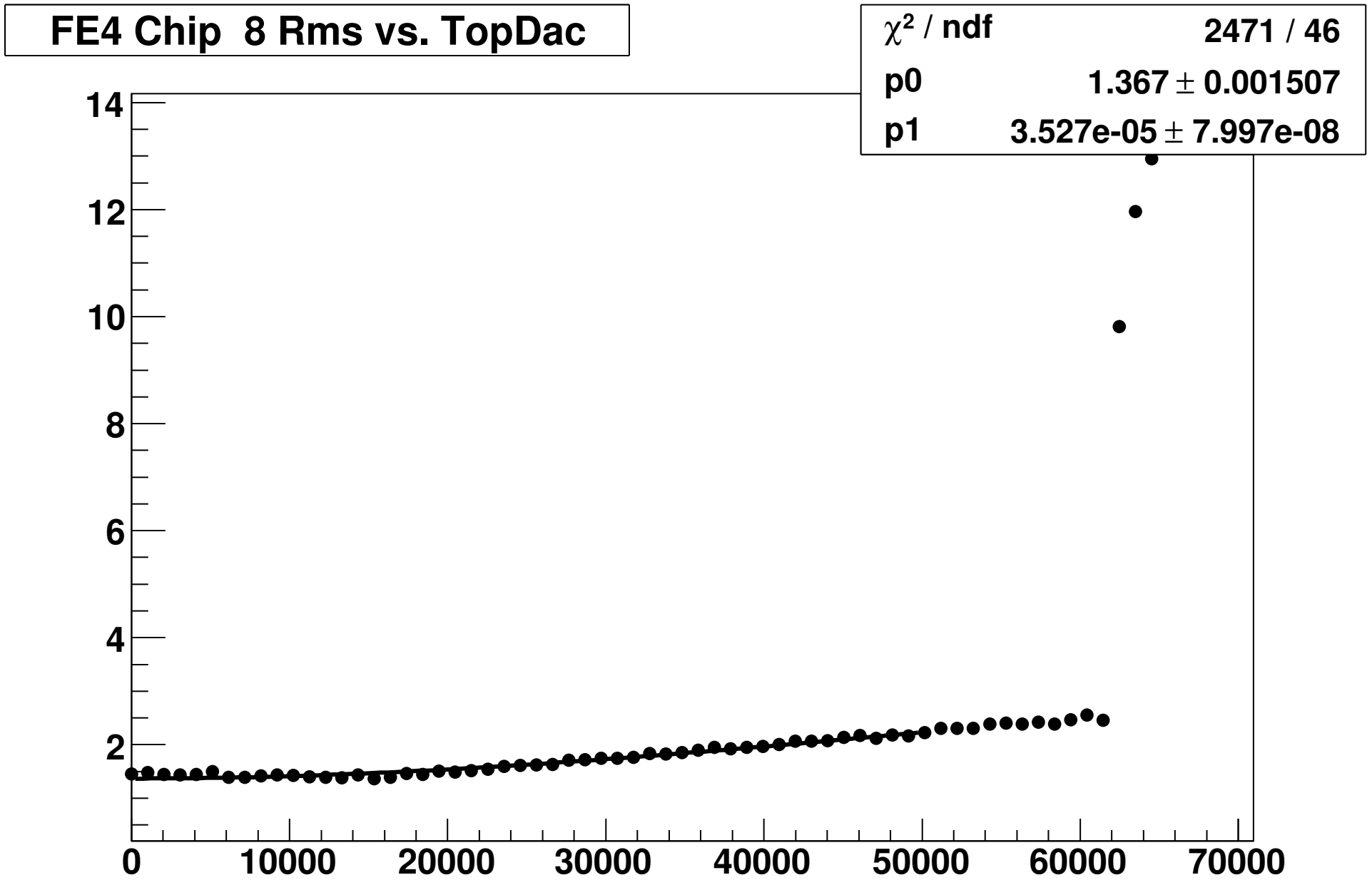

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 5.341e+05 / 46
p0 -27.1 ± 0.002711
p1 0.4516 ± 1.079e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

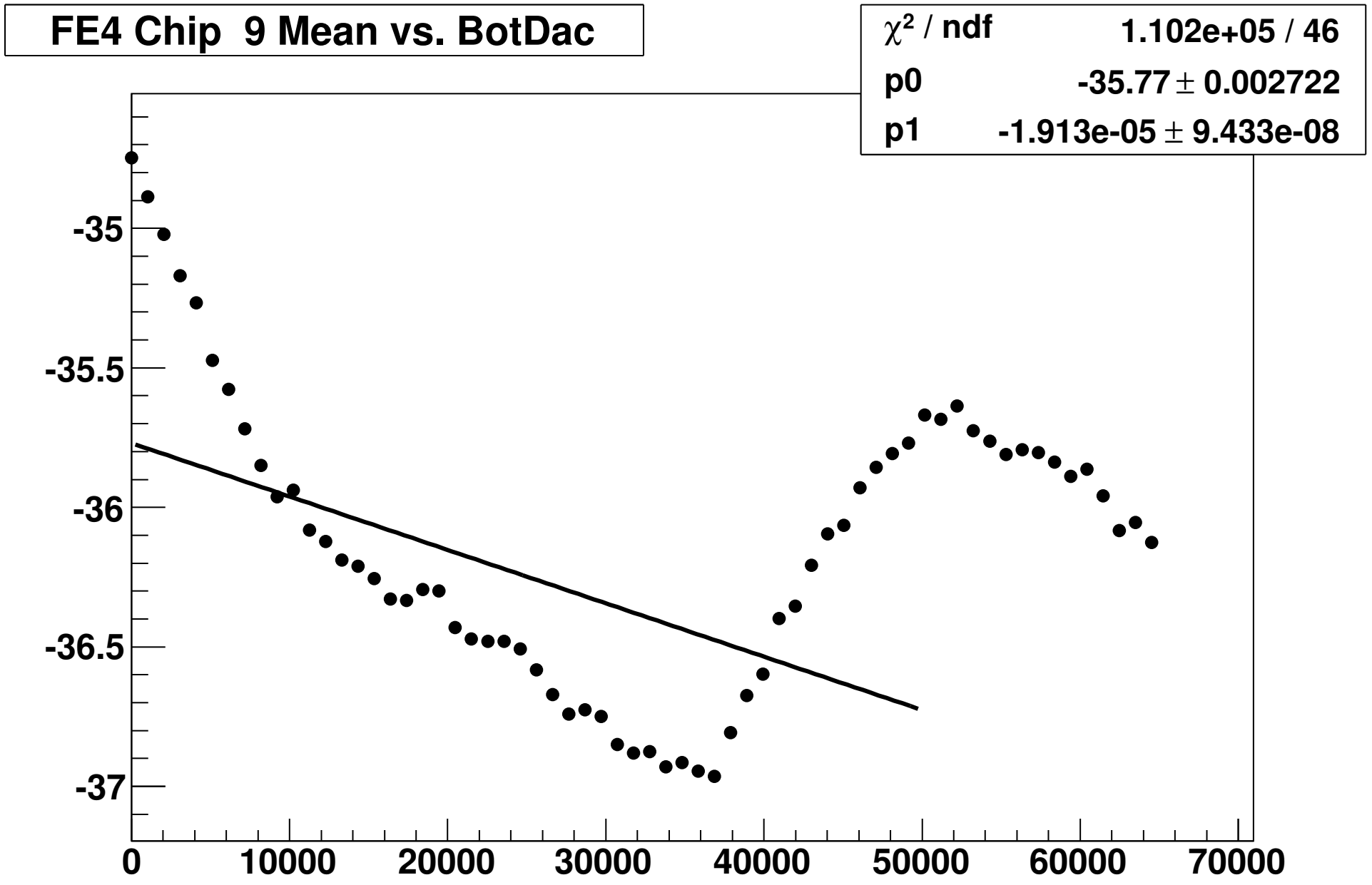

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 3306 / 46
p0 1.373 ± 0.001512
p1 3.491e-05 ± 8.079e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

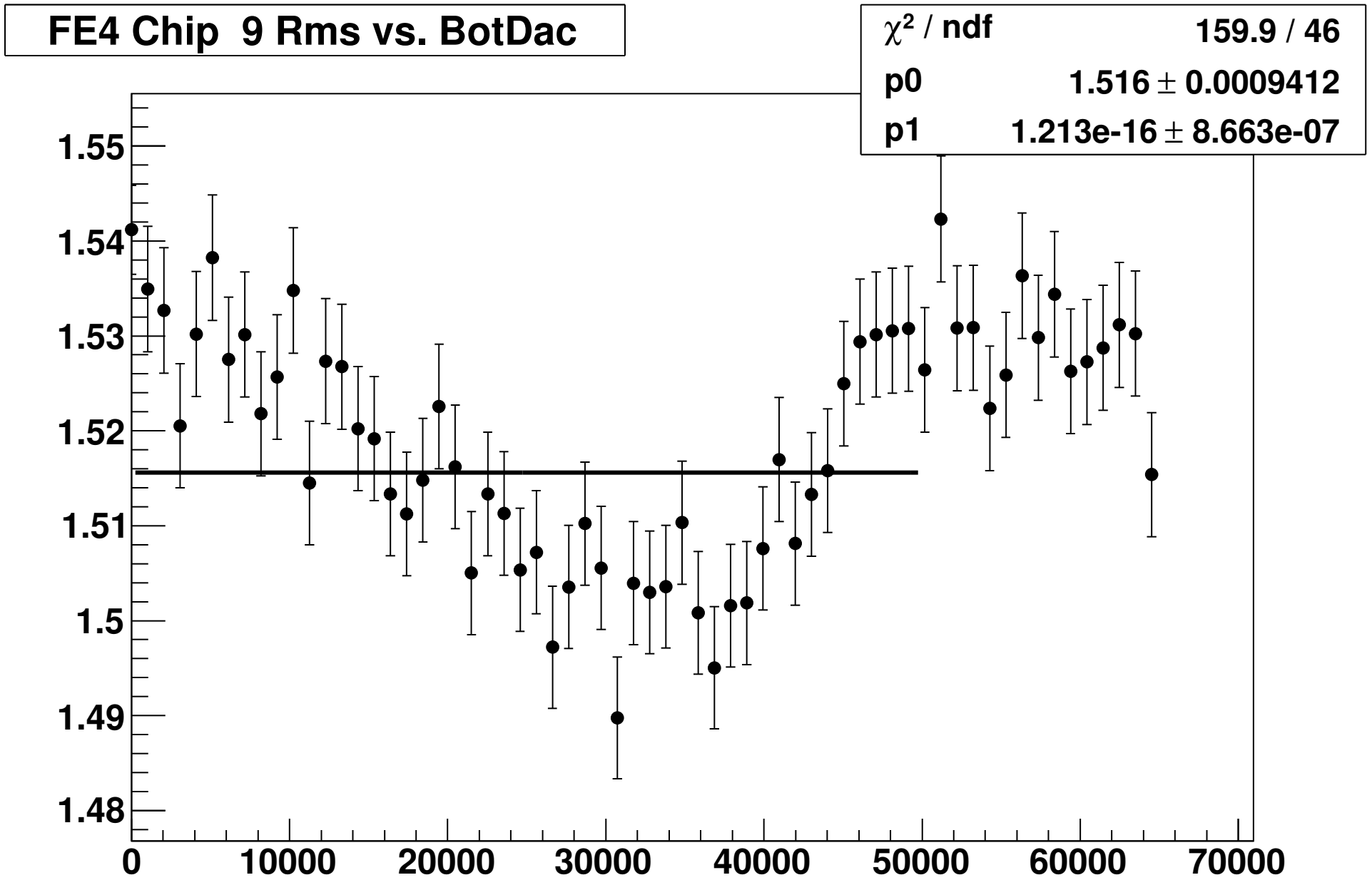

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 1.195e+05 / 46
p0 -37.99 ± 0.002615
p1 -2.188e-05 ± 9.118e-08
-37
-37.5
-38
-38.5
-39
-39.5
0
10000
20000
30000
40000
50000
60000
70000

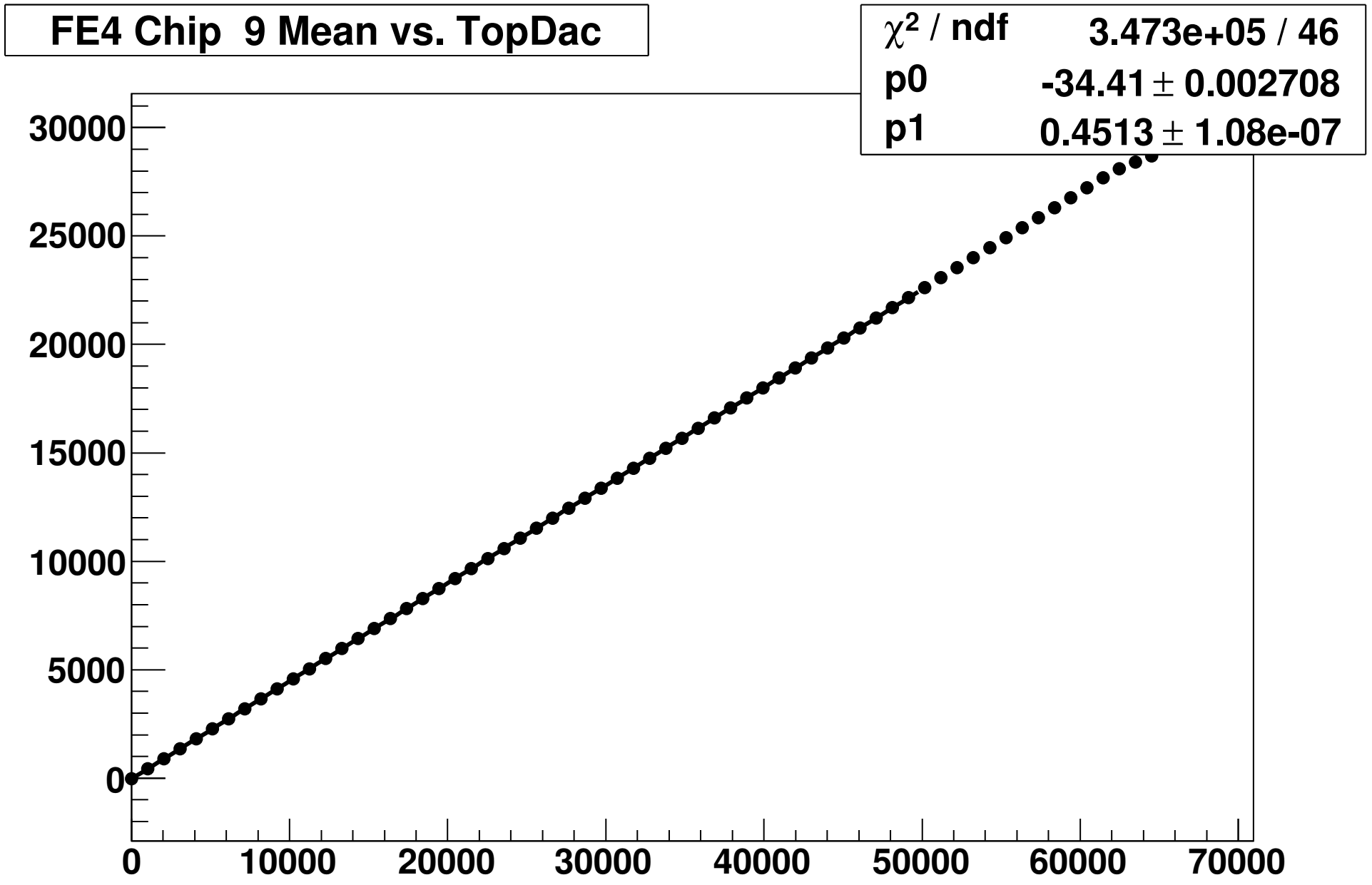

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 571.8 / 46
p0 1.478 ± 0.001389
p1 5.771e-06 ± 3.246e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

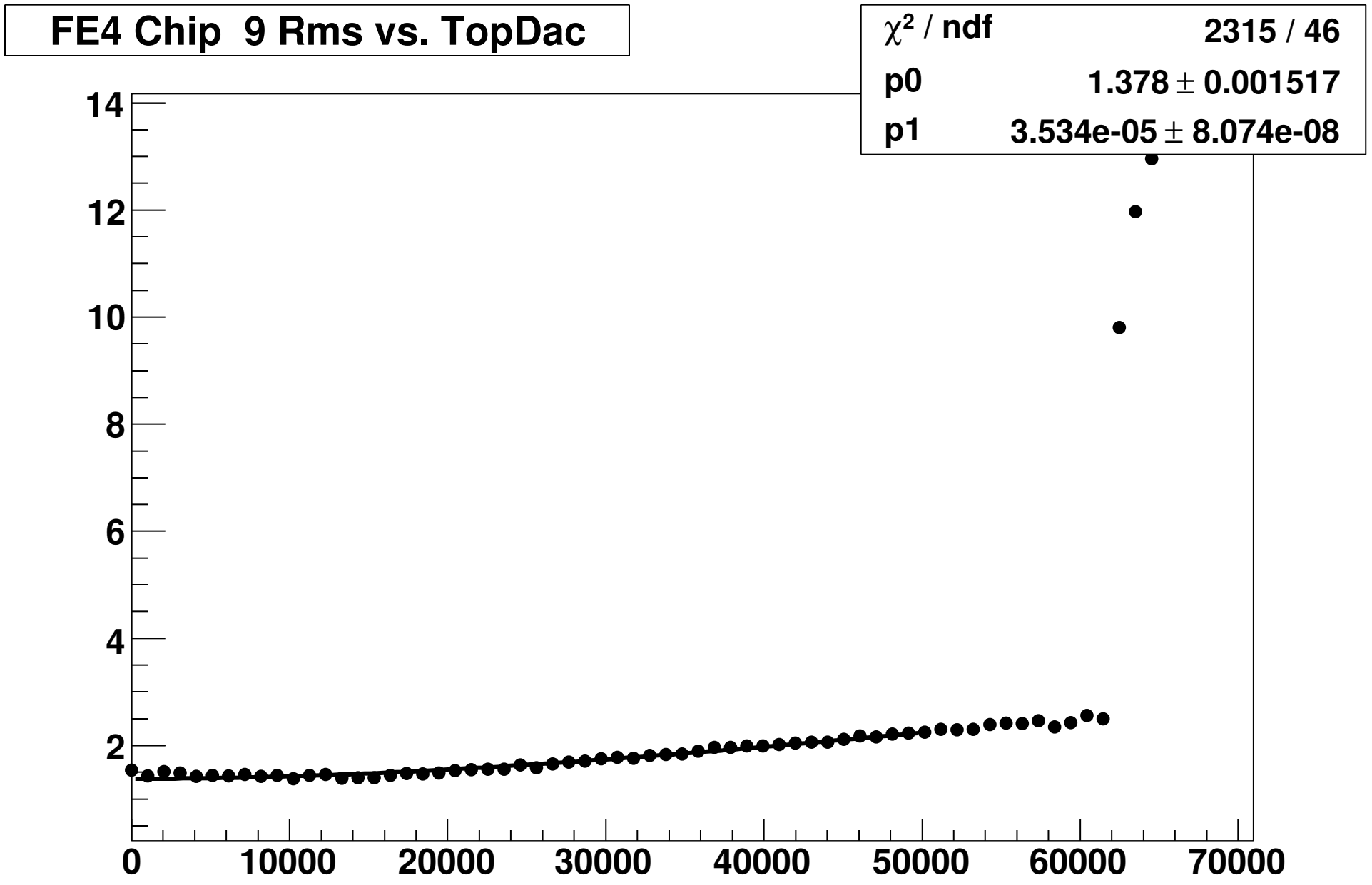

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 3.65e+05 / 46
p0 -38.49 ± 0.002685
p1 0.4513 ± 1.072e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

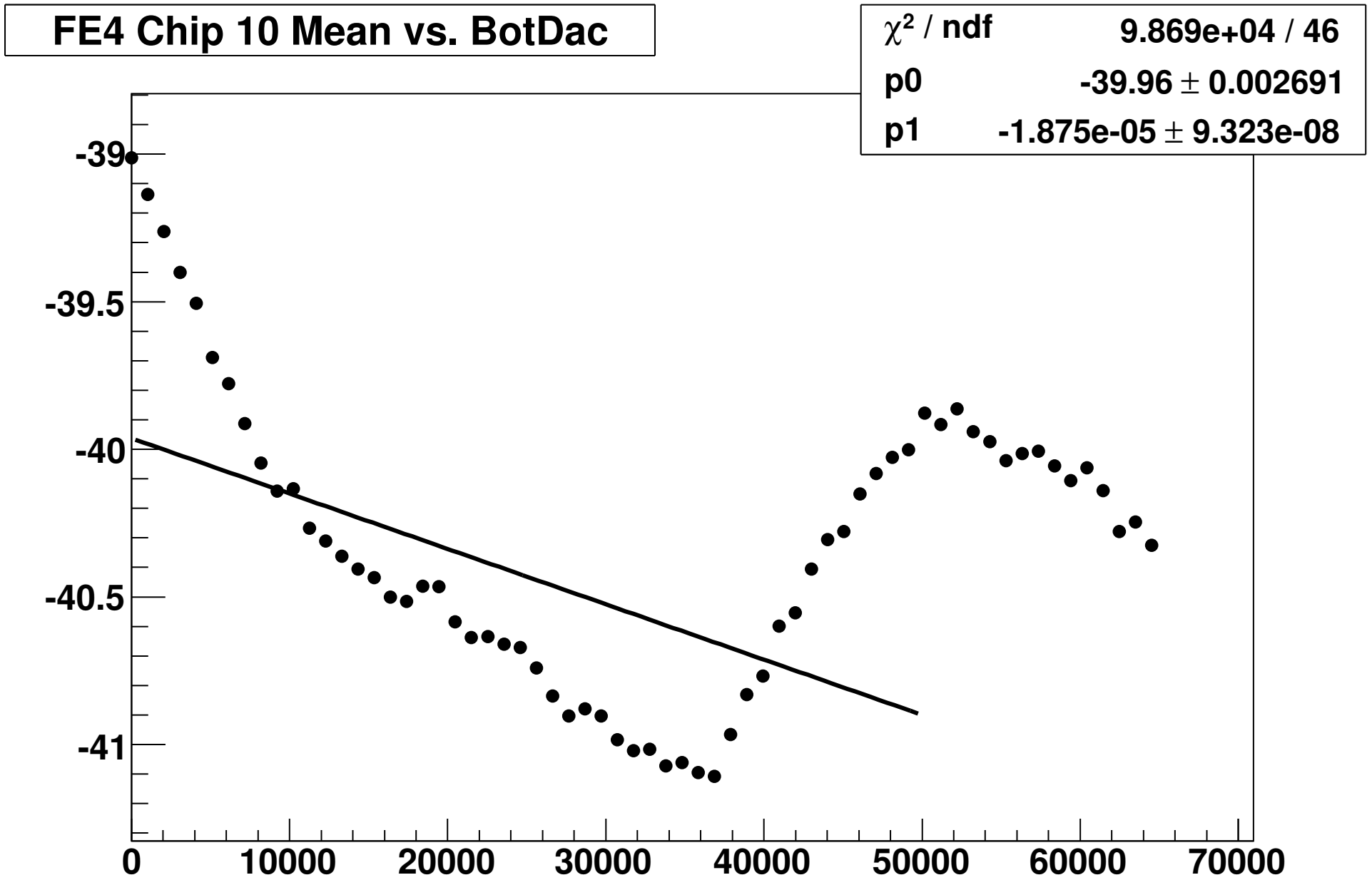

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 2471 / 46
p0 1.367 ± 0.001507
p1 3.527e-05 ± 7.997e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

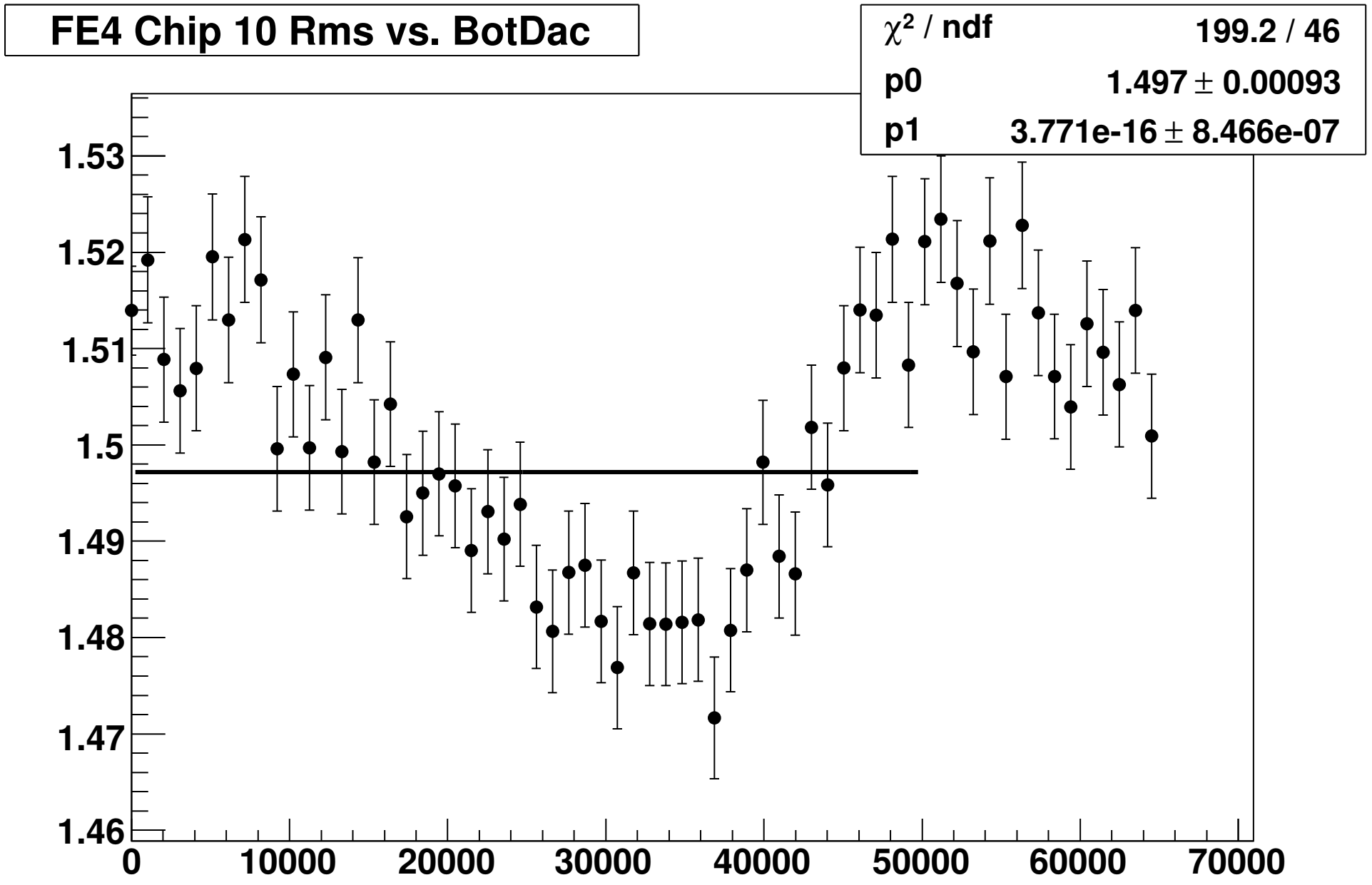

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 1.102e+05 / 46
p0 -35.77 ± 0.002722
p1 -1.913e-05 ± 9.433e-08
-35
-35.5
-36
-36.5
-37
0
10000
20000
30000
40000
50000
60000
70000

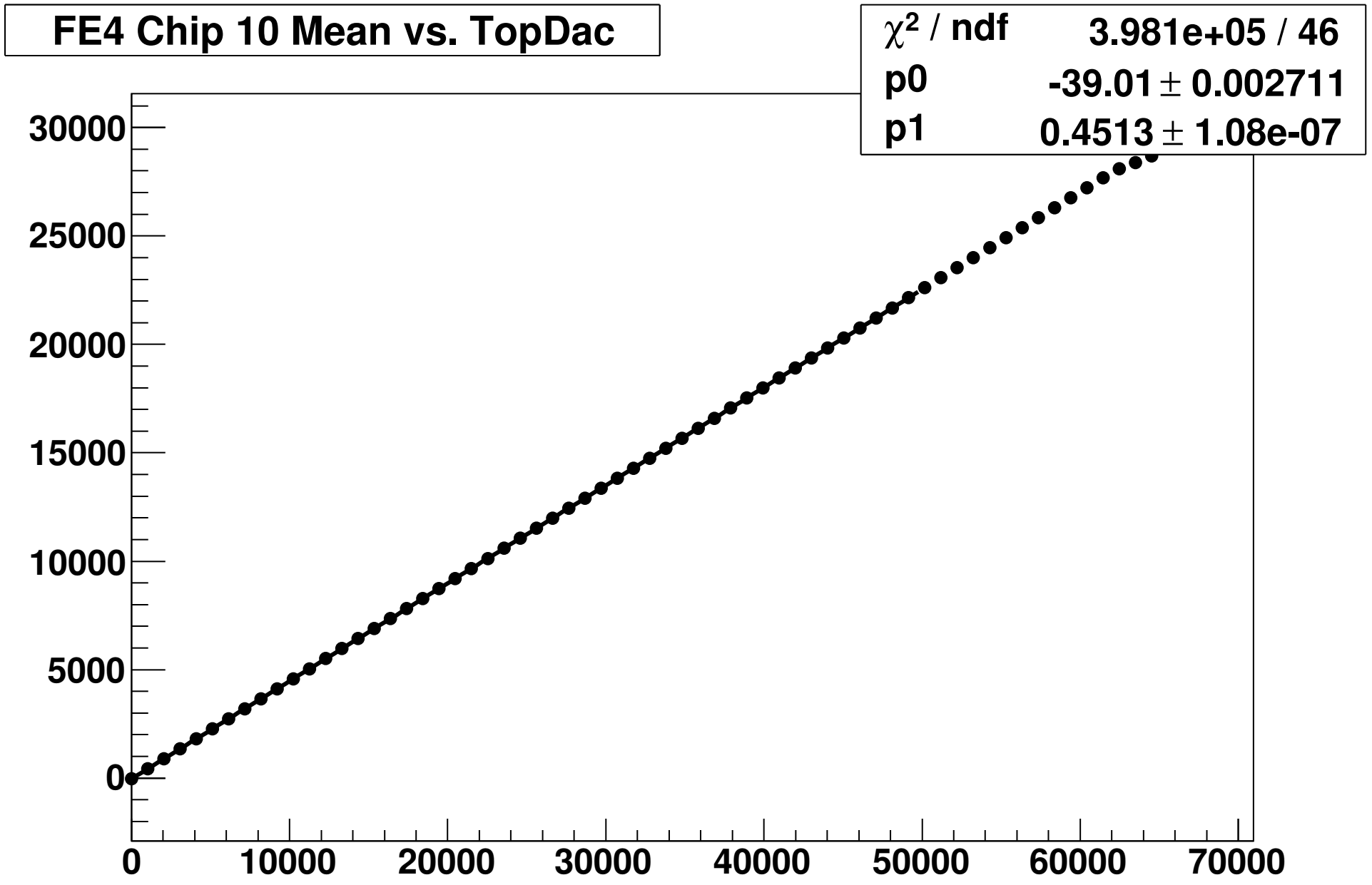

FE4 Chip 9 Rms vs. BotDac
χ² / ndf 159.9 / 46
p0 1.516 ± 0.0009412
p1 1.213e-16 ± 8.663e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 3.473e+05 / 46
p0 -34.41 ± 0.002708
p1 0.4513 ± 1.08e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 2315 / 46
p0 1.378 ± 0.001517
p1 3.534e-05 ± 8.074e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 9.869e+04 / 46
p0 -39.96 ± 0.002691
p1 -1.875e-05 ± 9.323e-08
-39
-39.5
-40
-40.5
-41
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 199.2 / 46
p0 1.497 ± 0.00093
p1 3.771e-16 ± 8.466e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 3.981e+05 / 46
p0 -39.01 ± 0.002711
p1 0.4513 ± 1.08e-07
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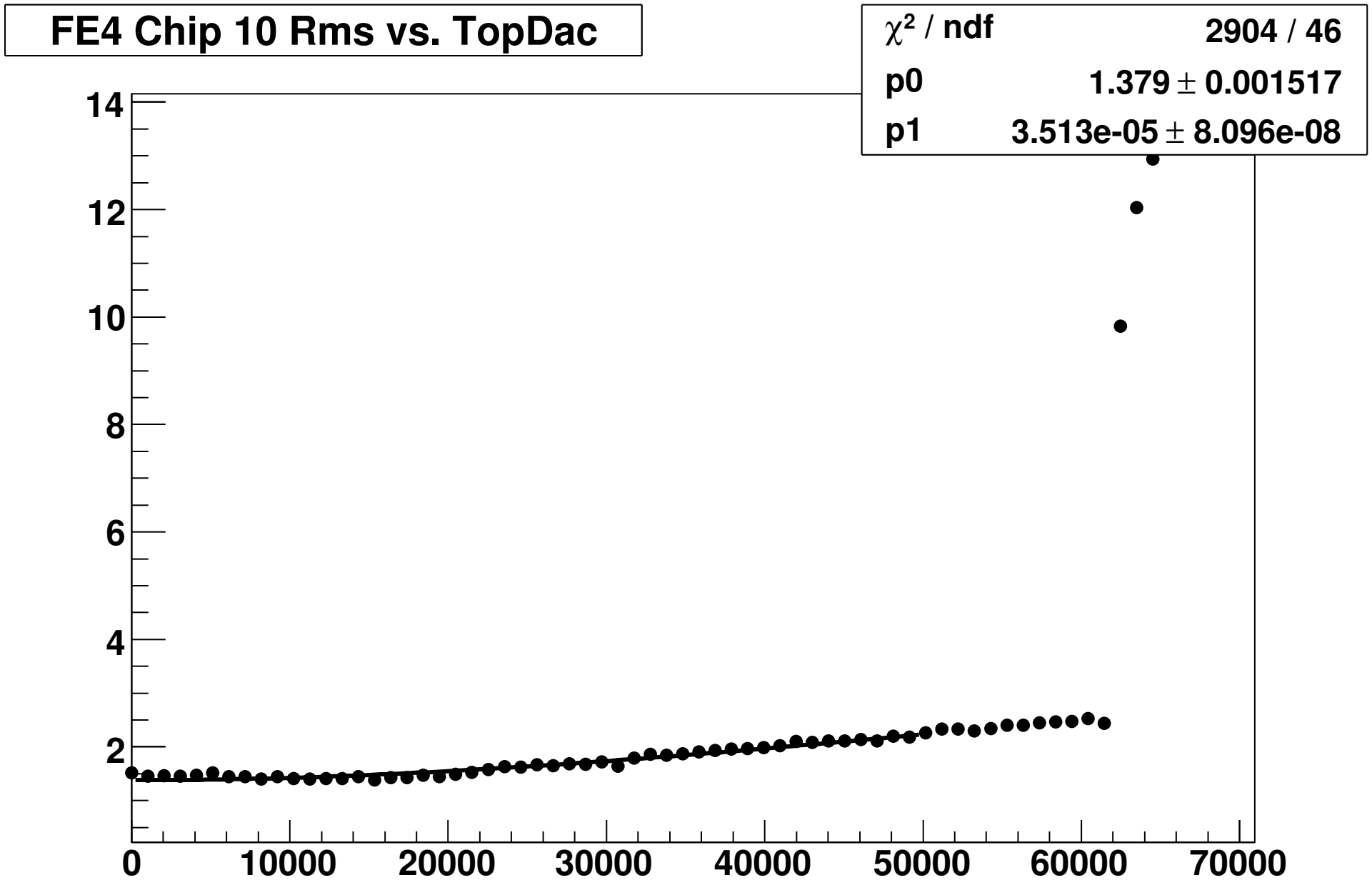
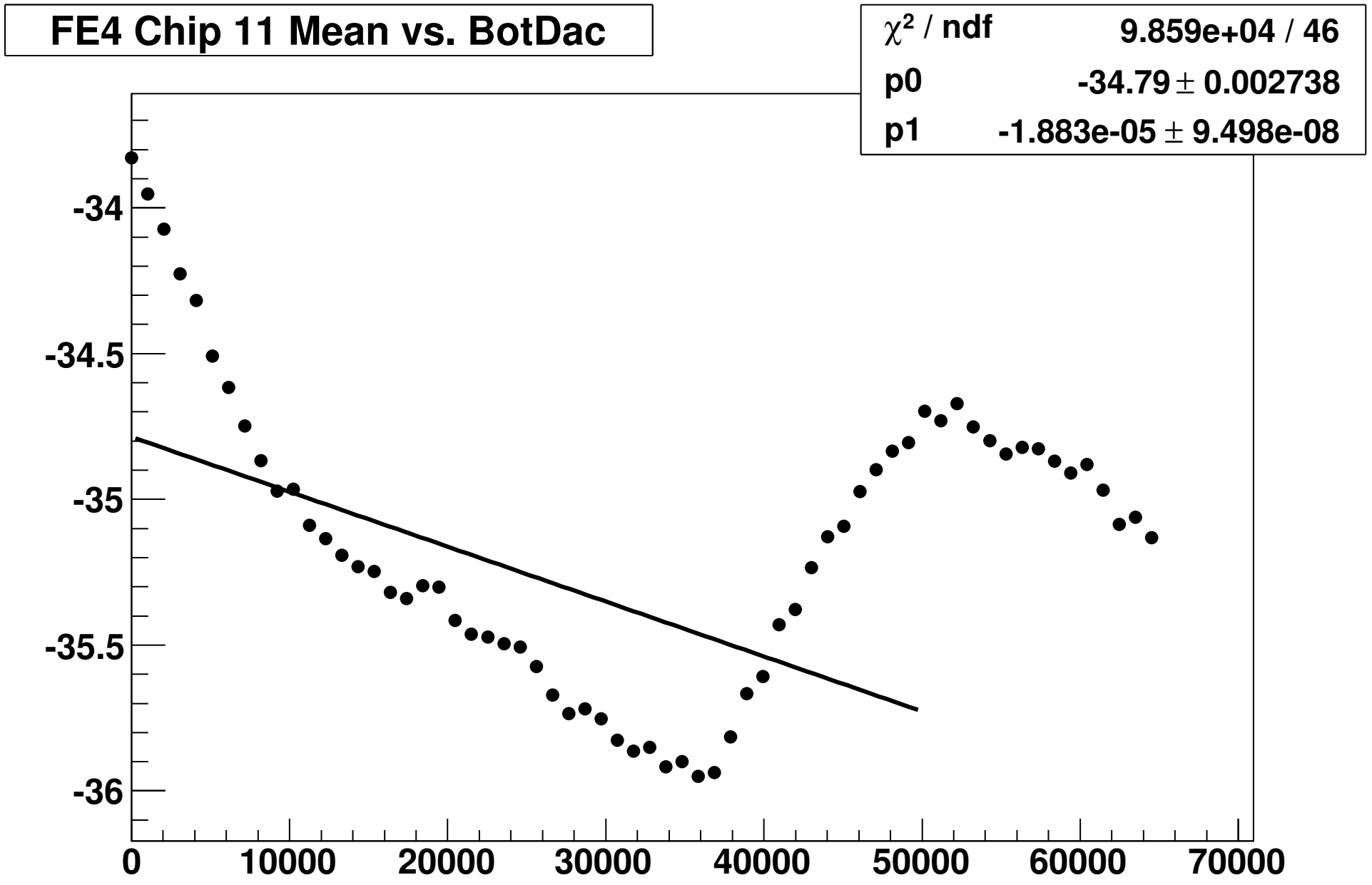
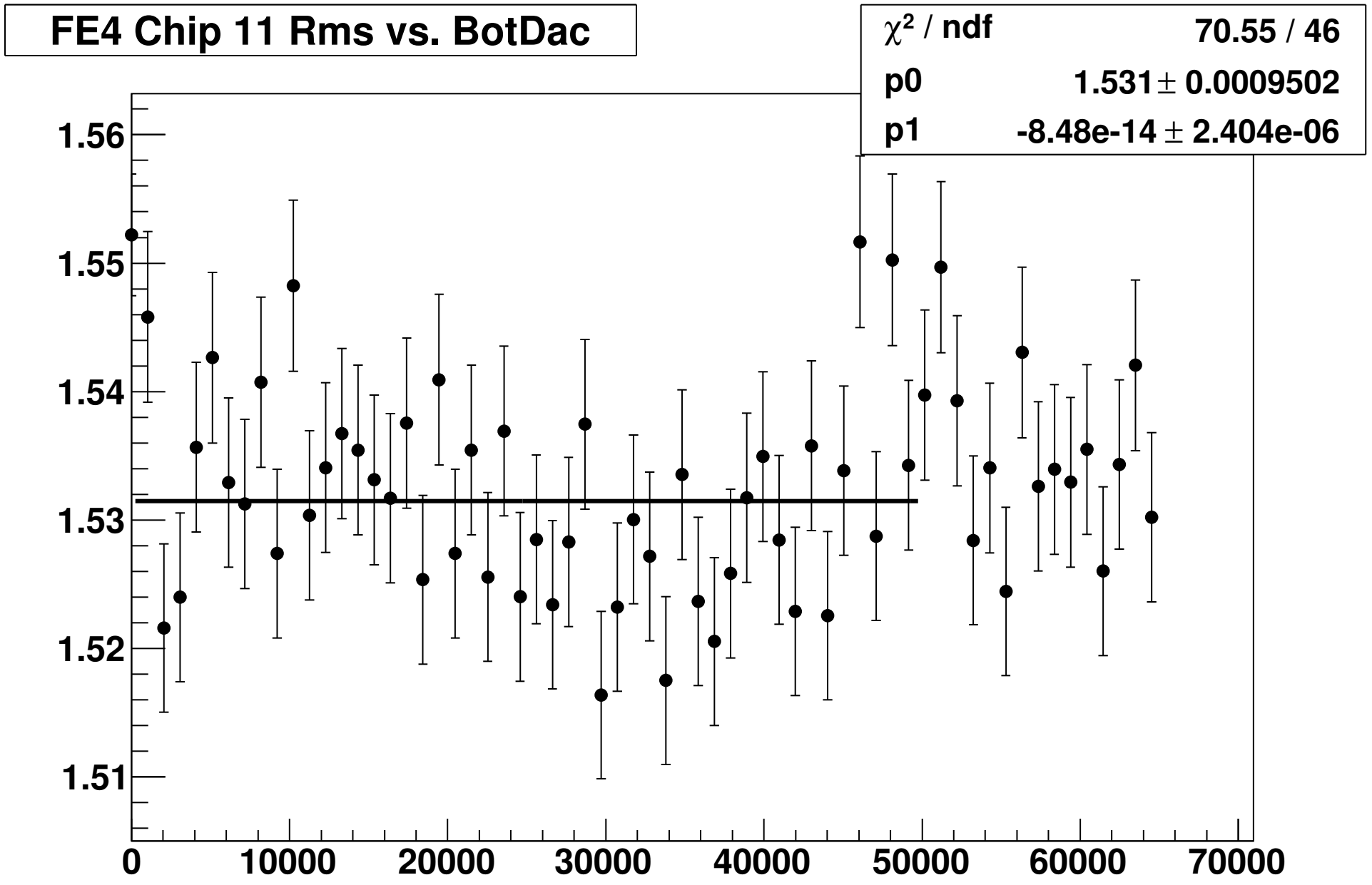
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 2904 / 46
p0 1.379 ± 0.001517
p1 3.513e-05 ± 8.096e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 9.859e+04 / 46
p0 -34.79 ± 0.002738
p1 -1.883e-05 ± 9.498e-08
-34
-34.5
-35
-35.5
-36
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 70.55 / 46
p0 1.531 ± 0.0009502
p1 -8.48e-14 ± 2.404e-06
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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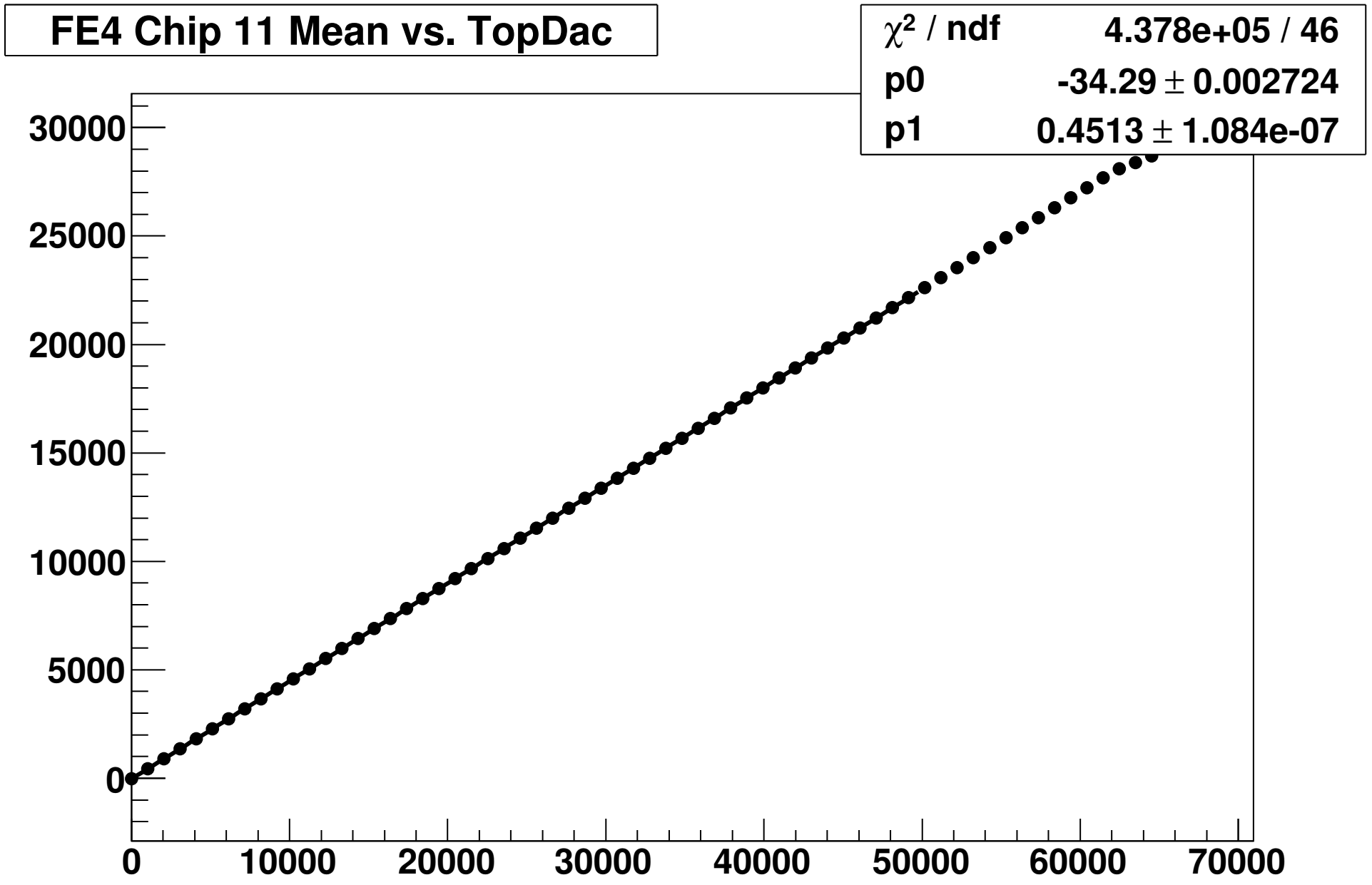
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 4.378e+05 / 46
p0 -34.29 ± 0.002724
p1 0.4513 ± 1.084e-07
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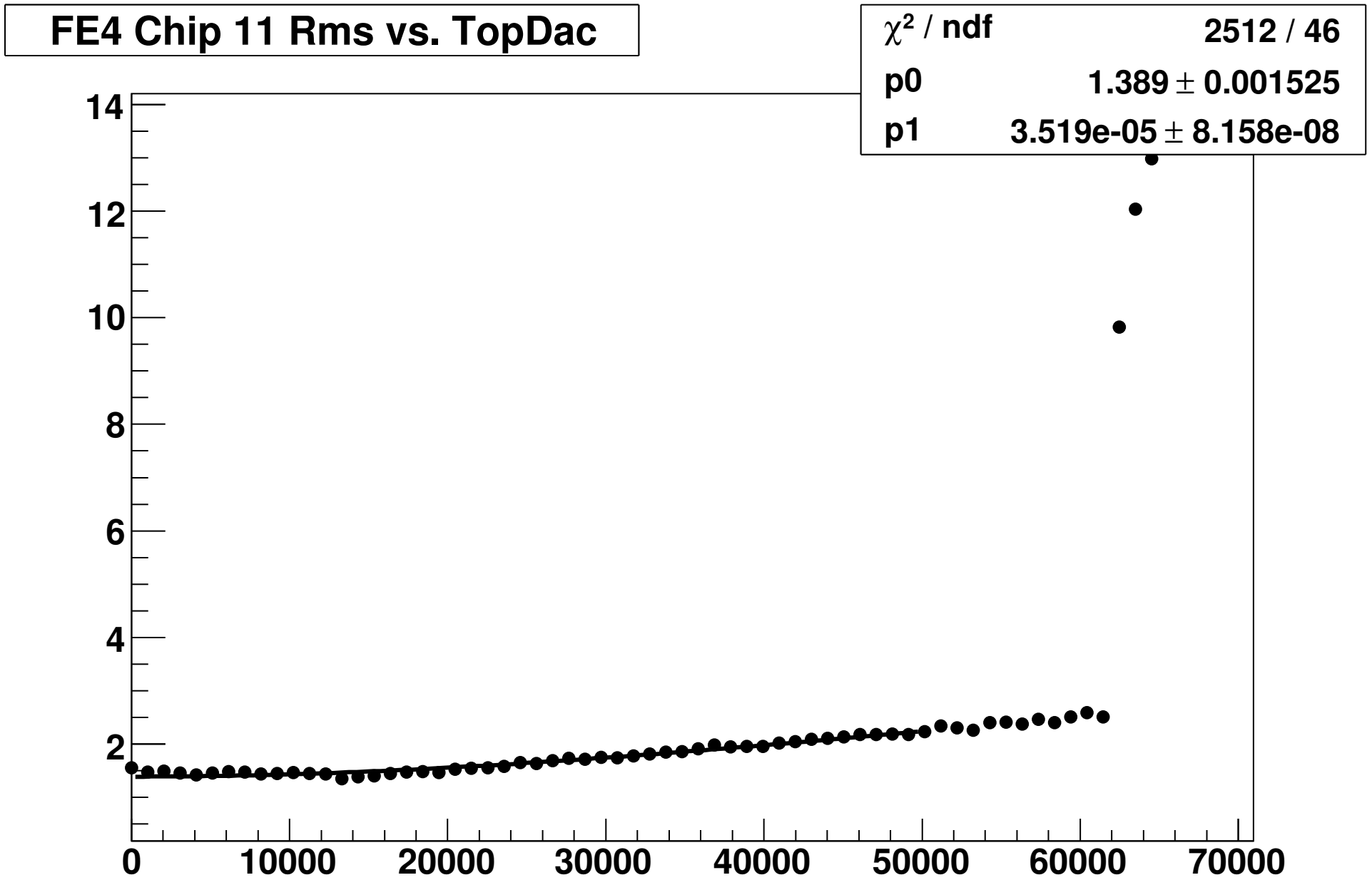
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 2512 / 46
p0 1.389 ± 0.001525
p1 3.519e-05 ± 8.158e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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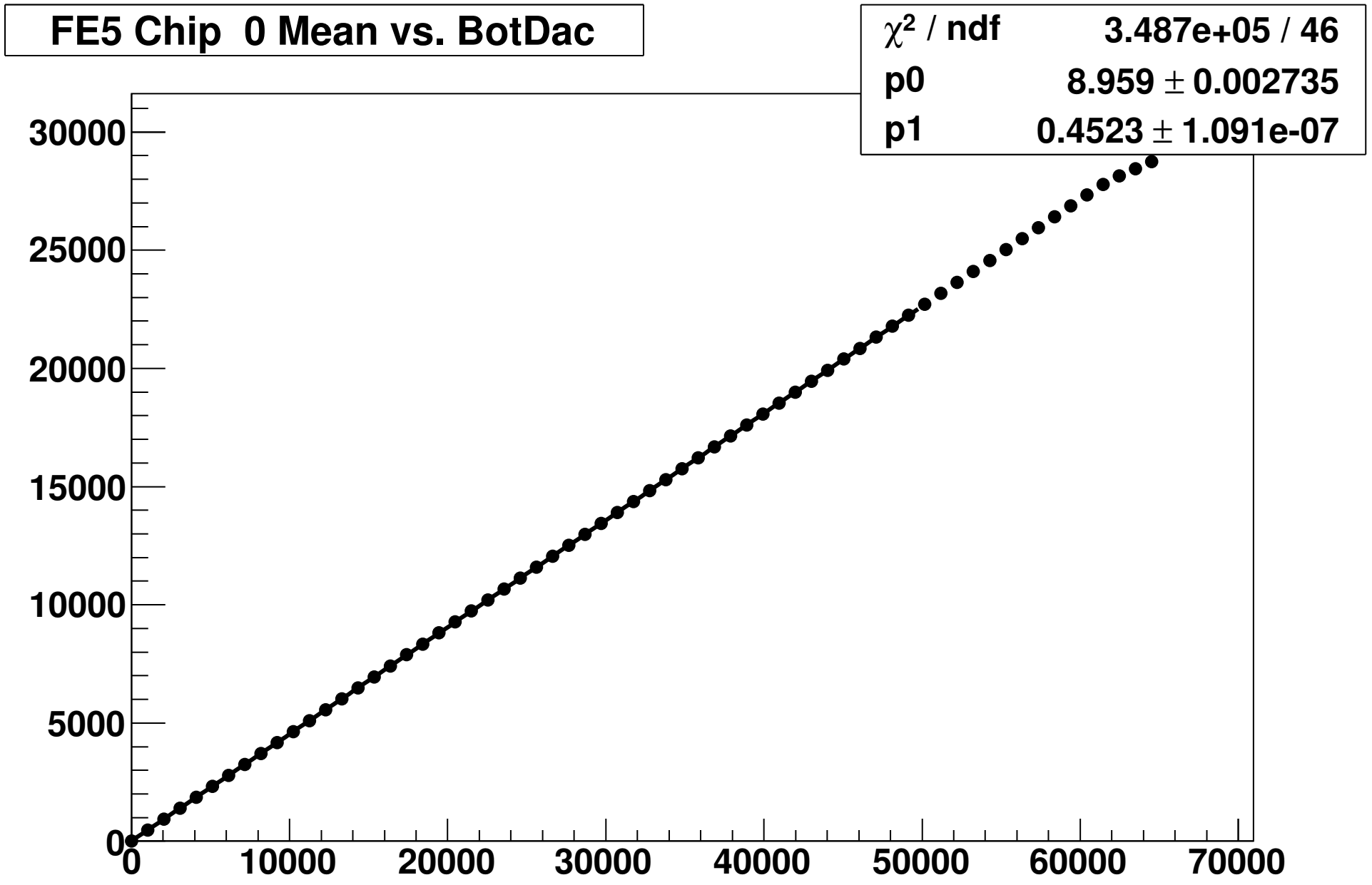
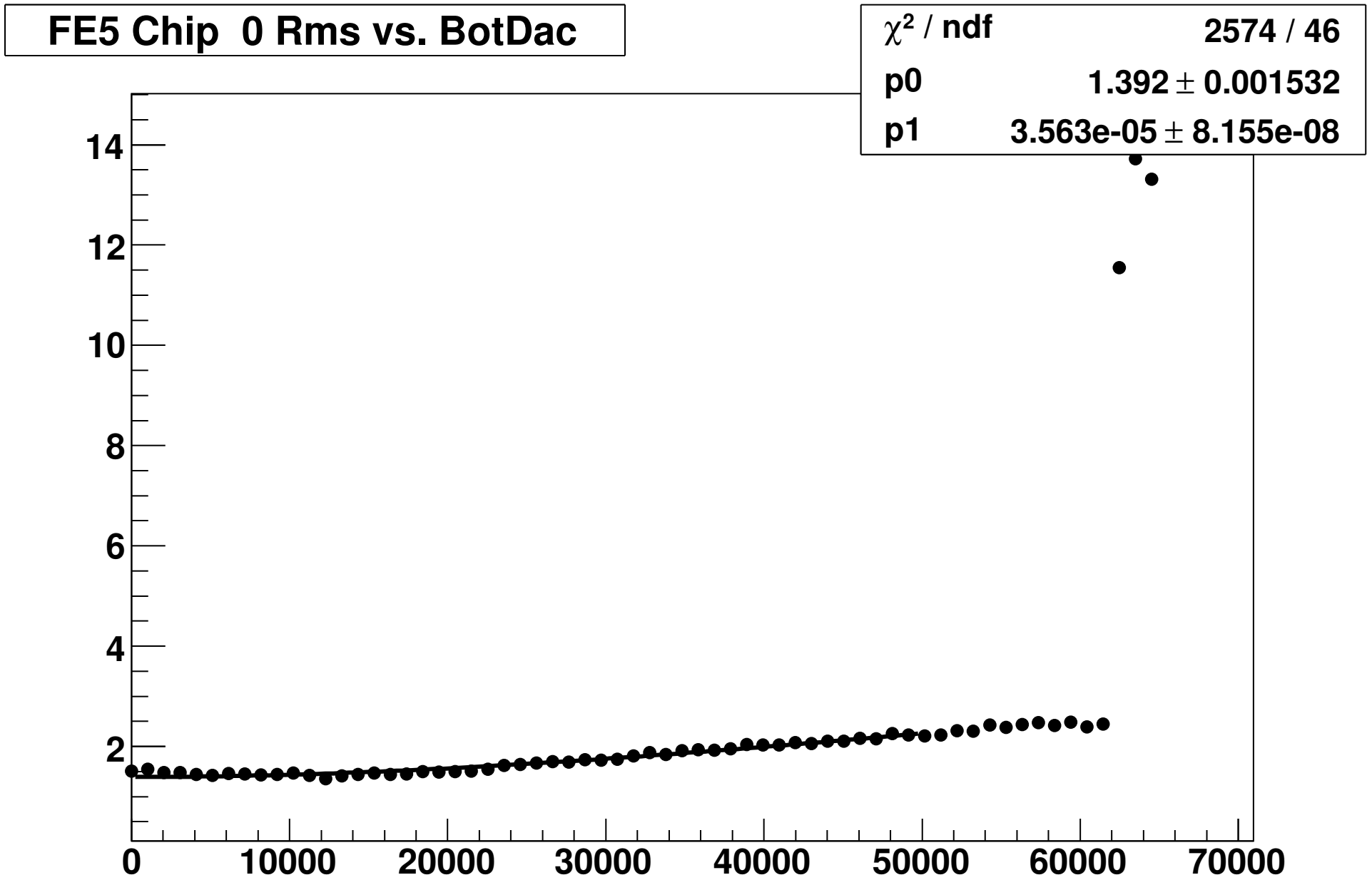
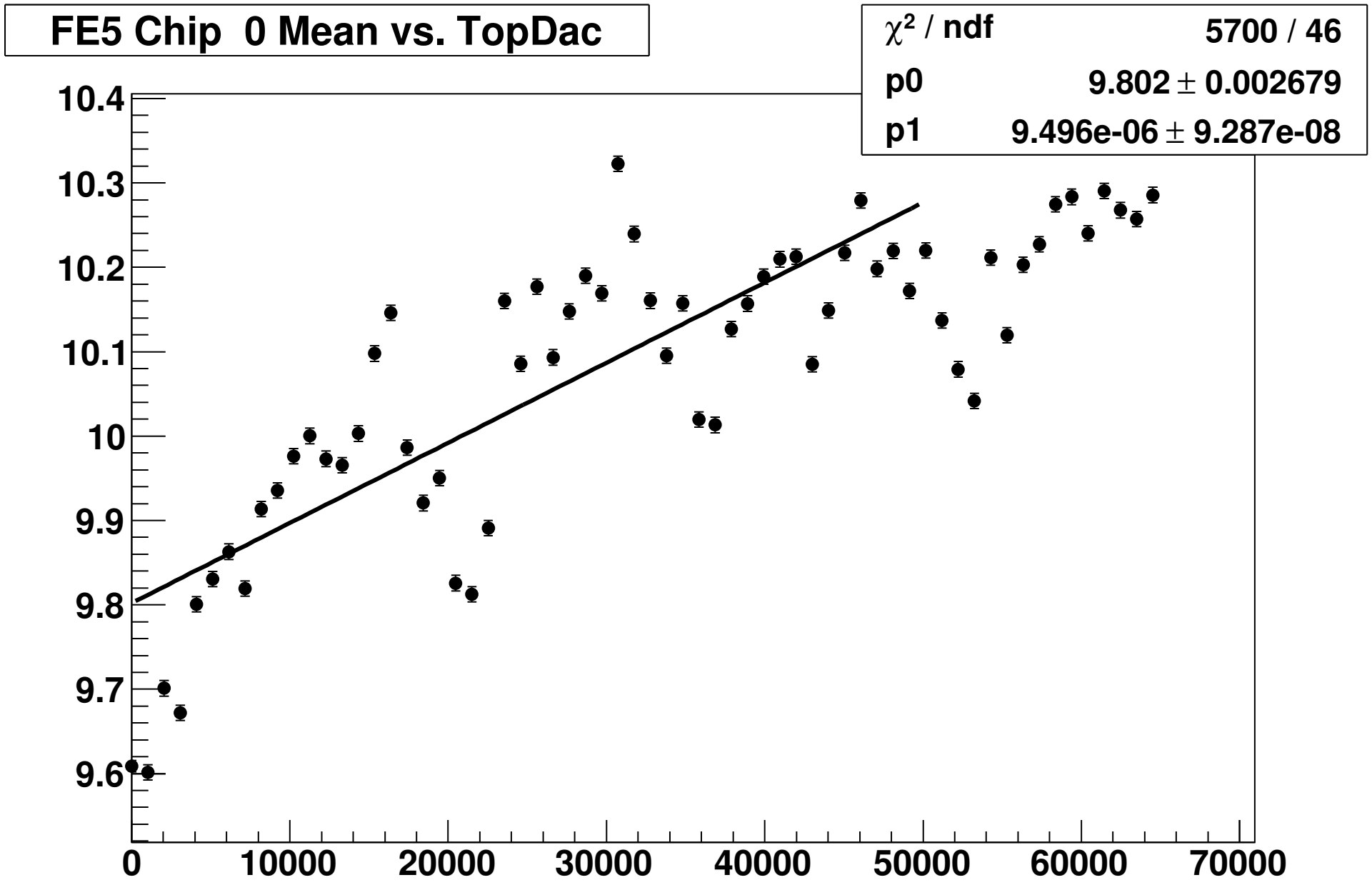
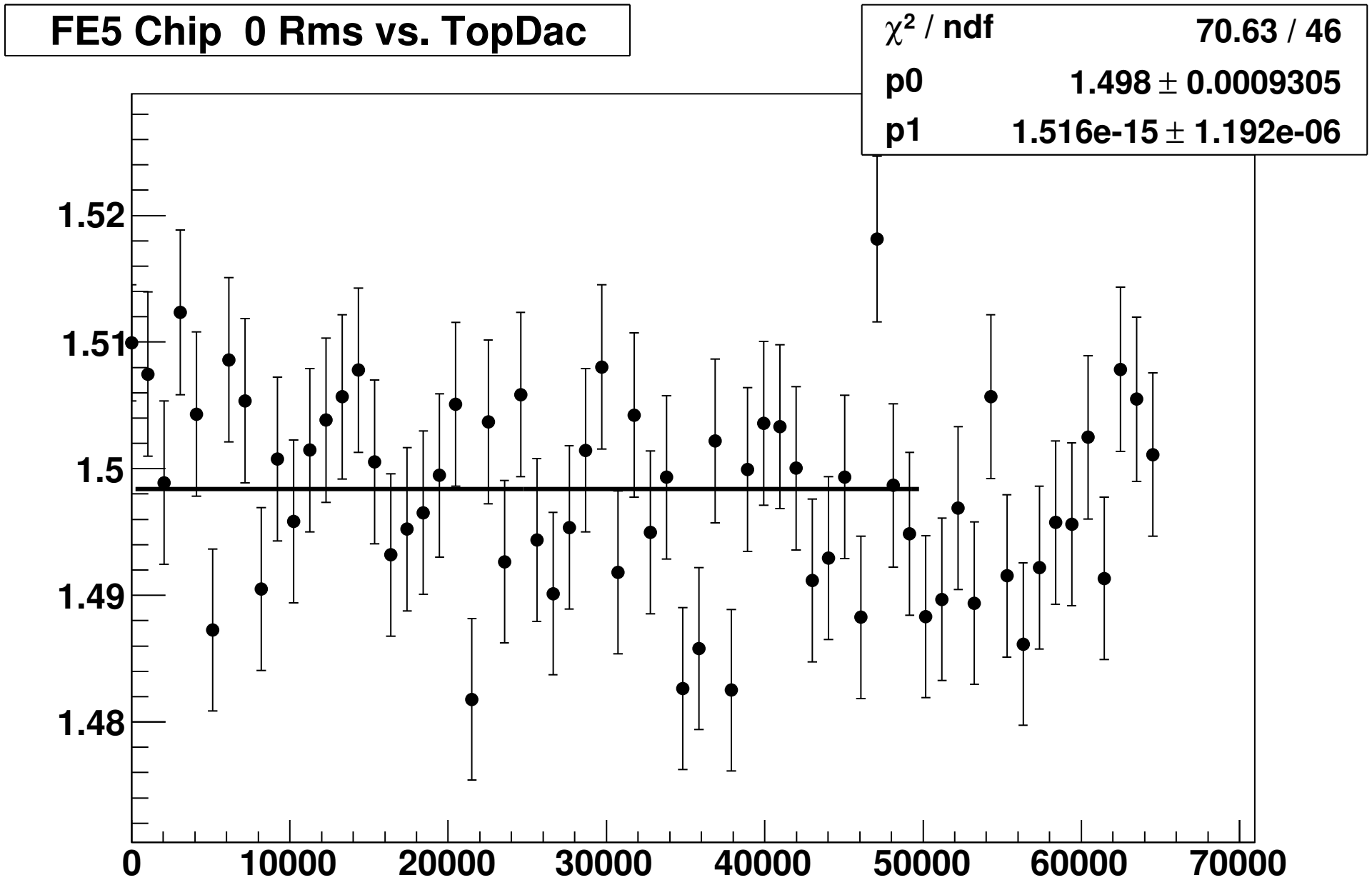
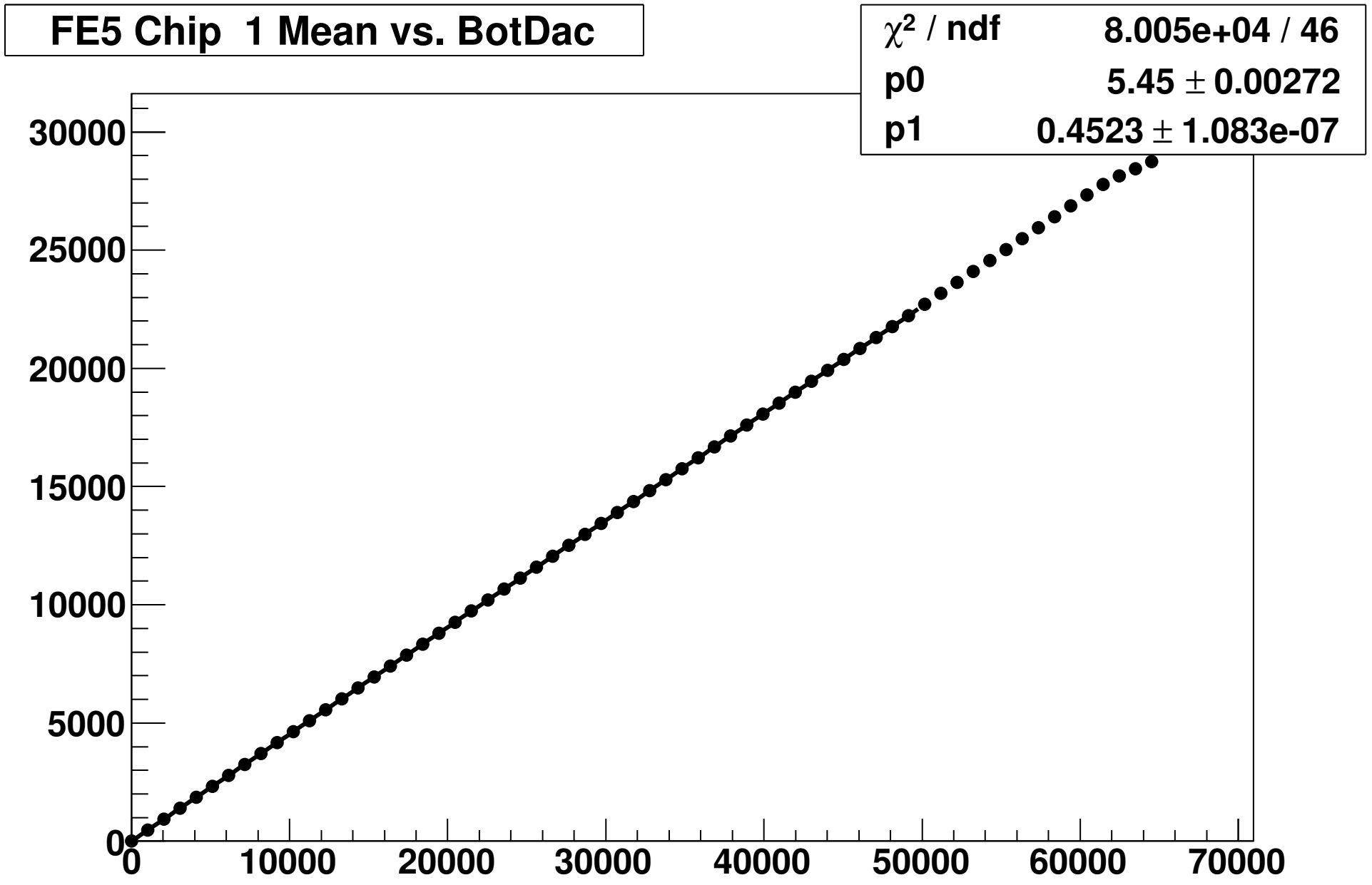
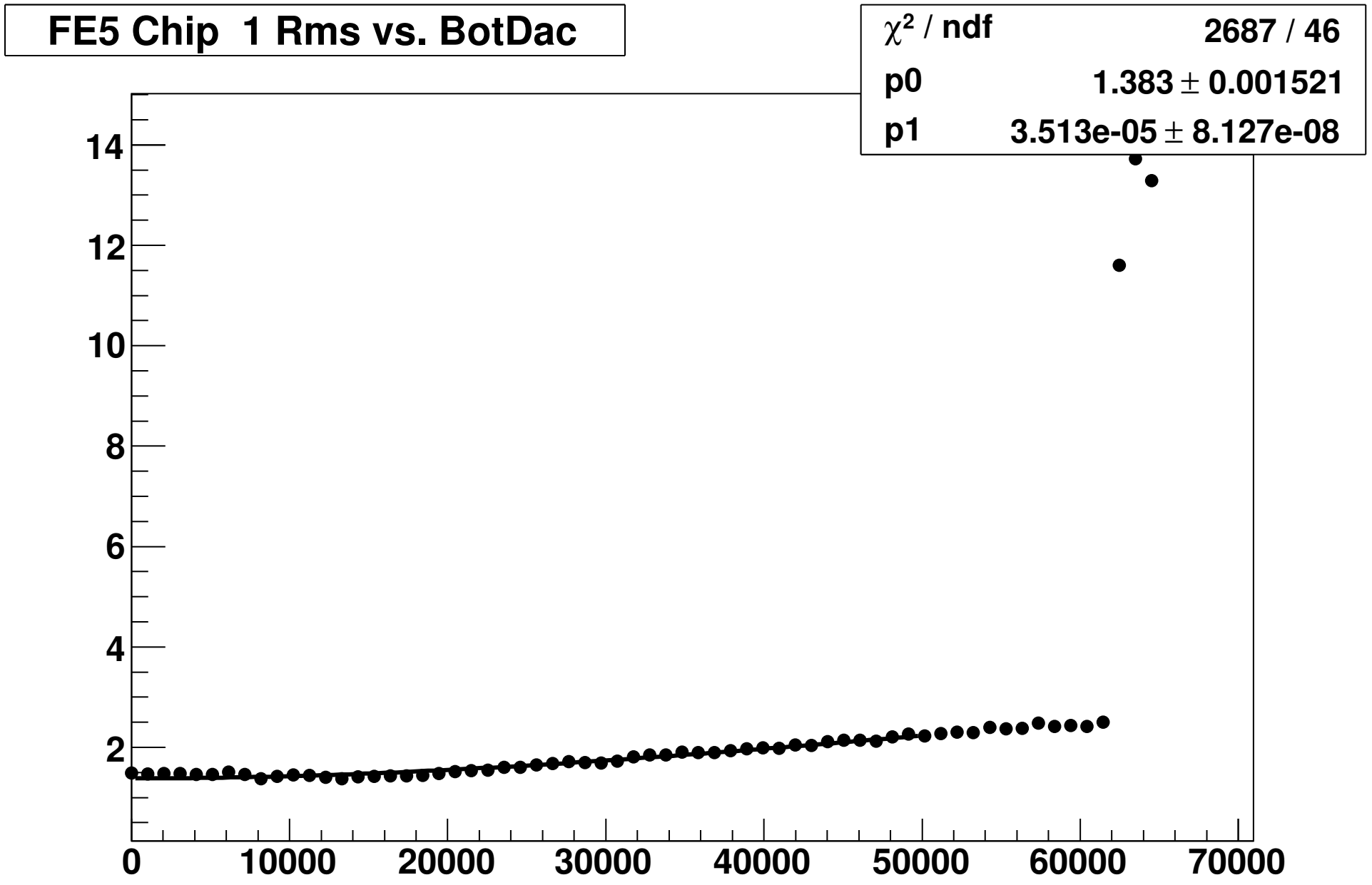

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 3.487e+05 / 46
p0 8.959 ± 0.002735
p1 0.4523 ± 1.091e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

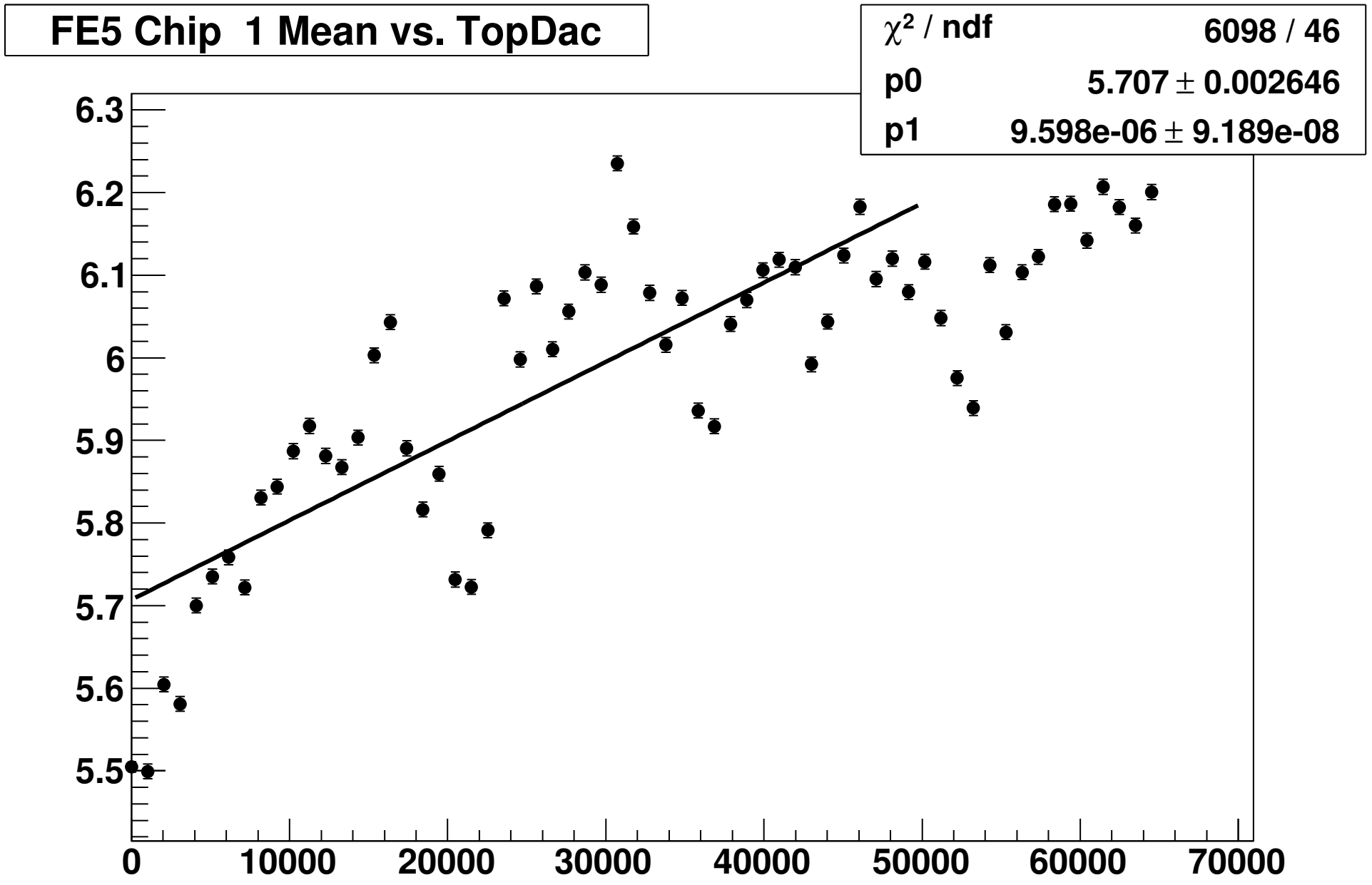

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 2574 / 46
p0 1.392 ± 0.001532
p1 3.563e-05 ± 8.155e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

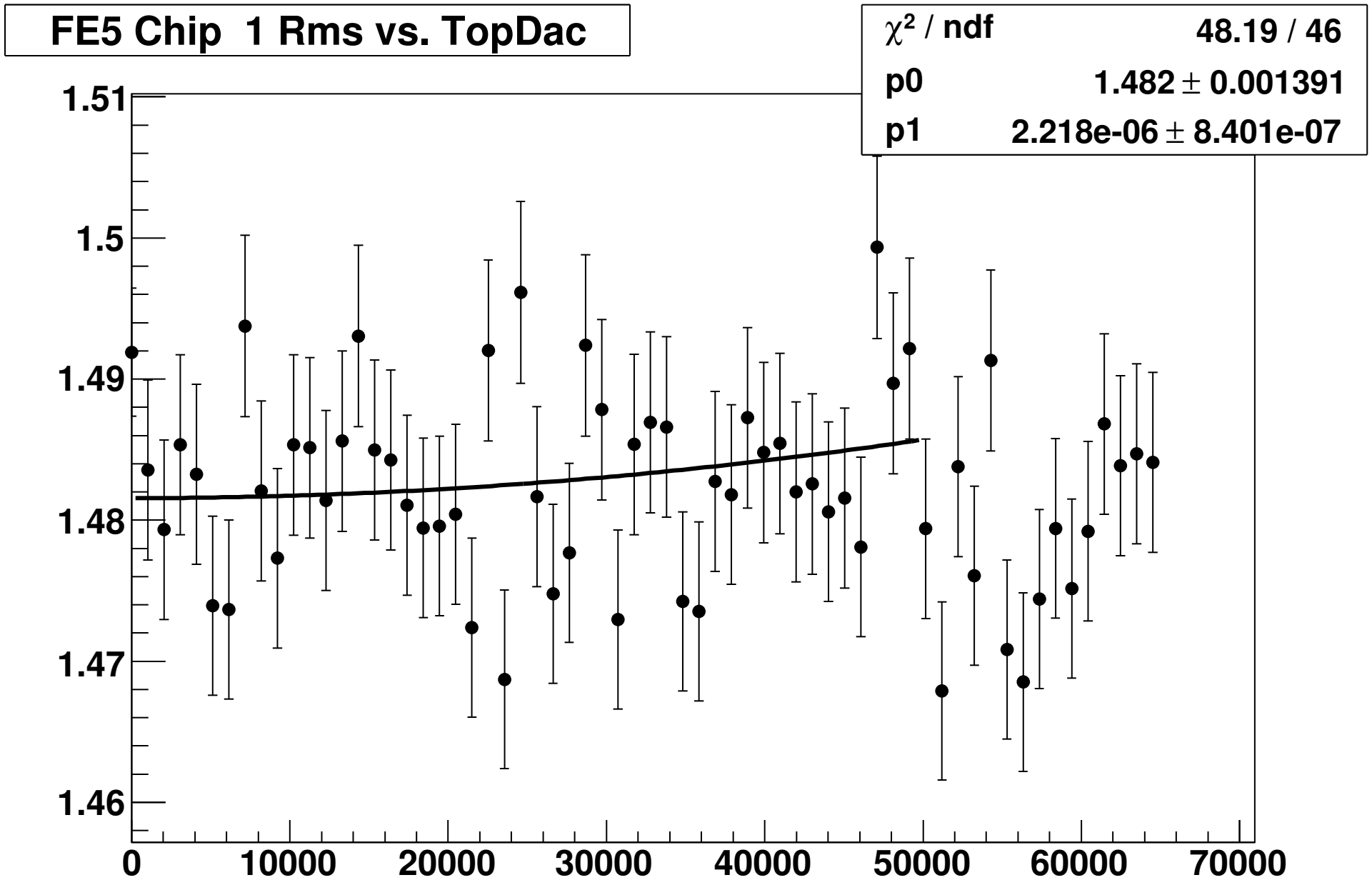

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 5700 / 46
p0 9.802 ± 0.002679
p1 9.496e-06 ± 9.287e-08
10.4
10.3
10.2
10.1
10
9.9
9.8
9.7
9.6
0
10000
20000
30000
40000
50000
60000
70000

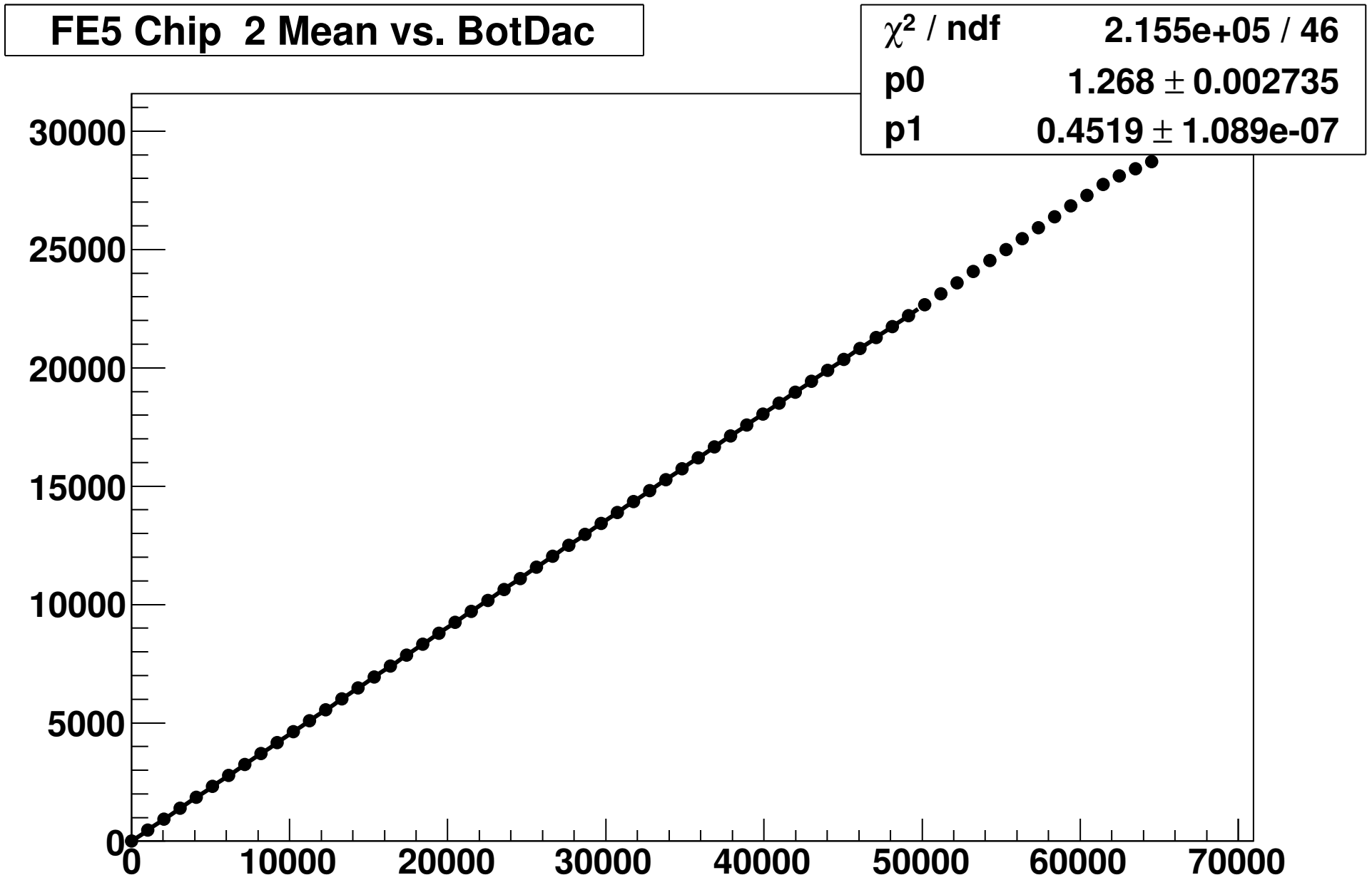

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 70.63 / 46
p0 1.498 ± 0.0009305
p1 1.516e-15 ± 1.192e-06
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

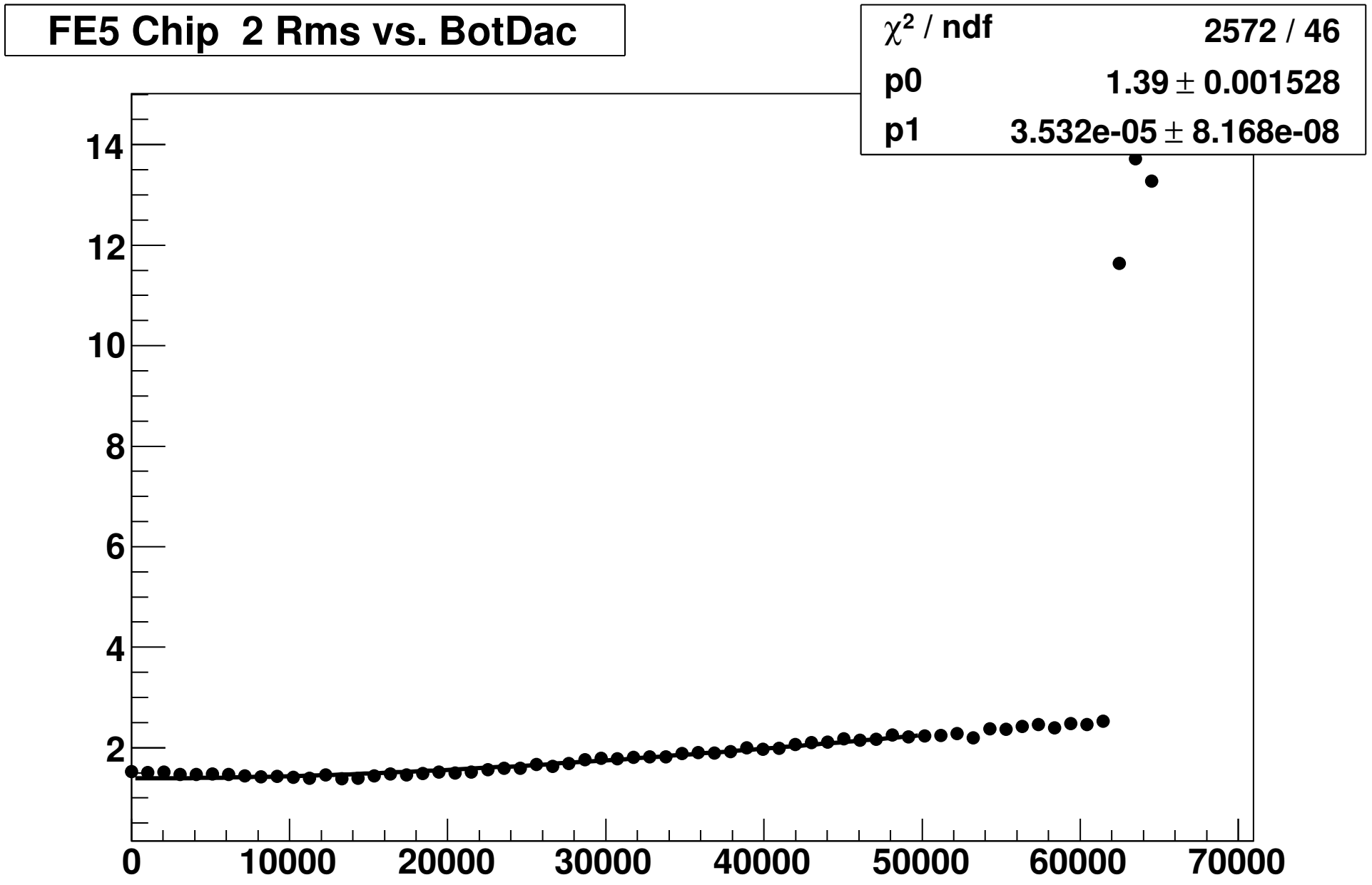

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 8.005e+04 / 46
p0 5.45 ± 0.00272
p1 0.4523 ± 1.083e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

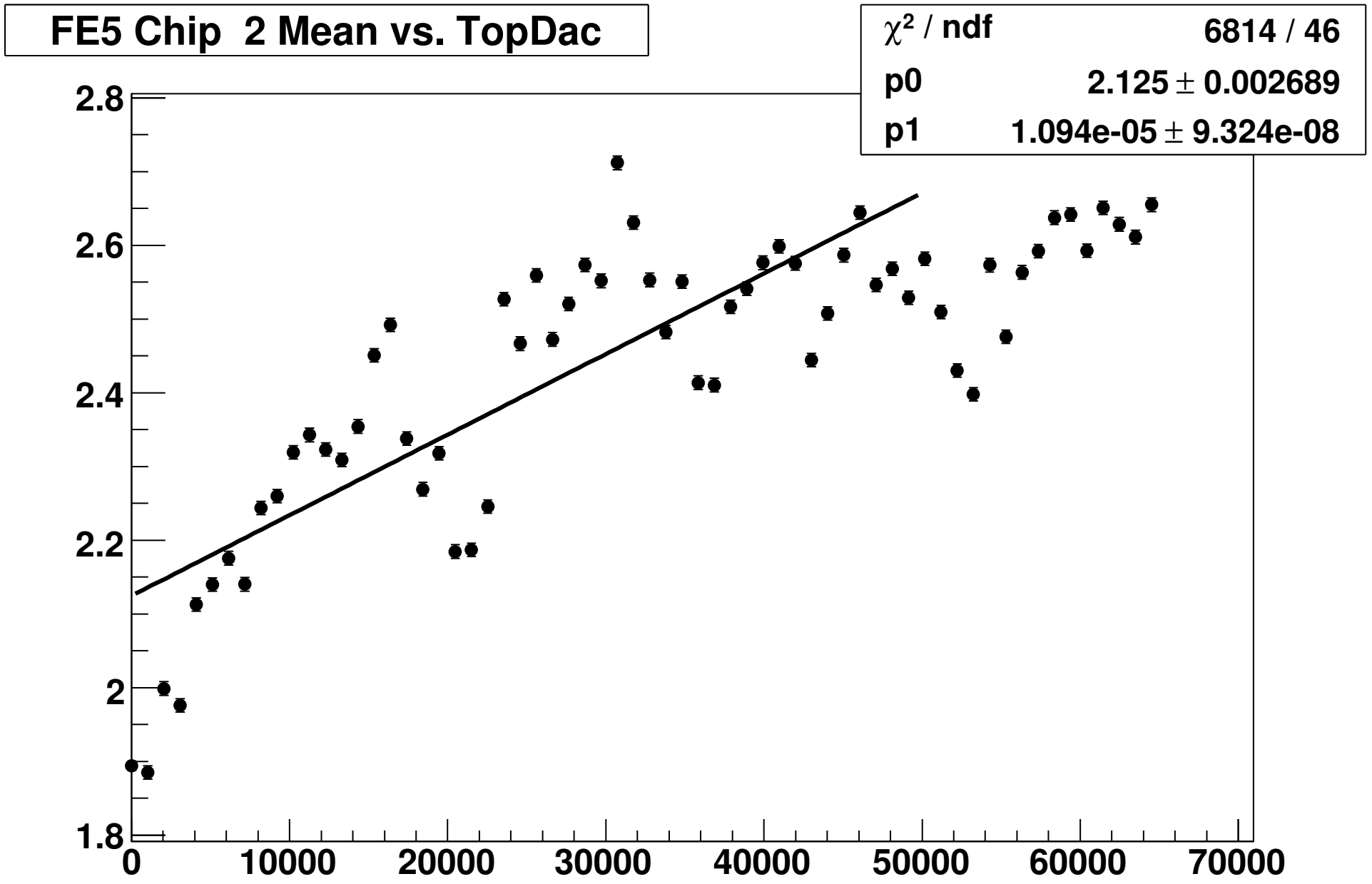

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 2687 / 46
p0 1.383 ± 0.001521
p1 3.513e-05 ± 8.127e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

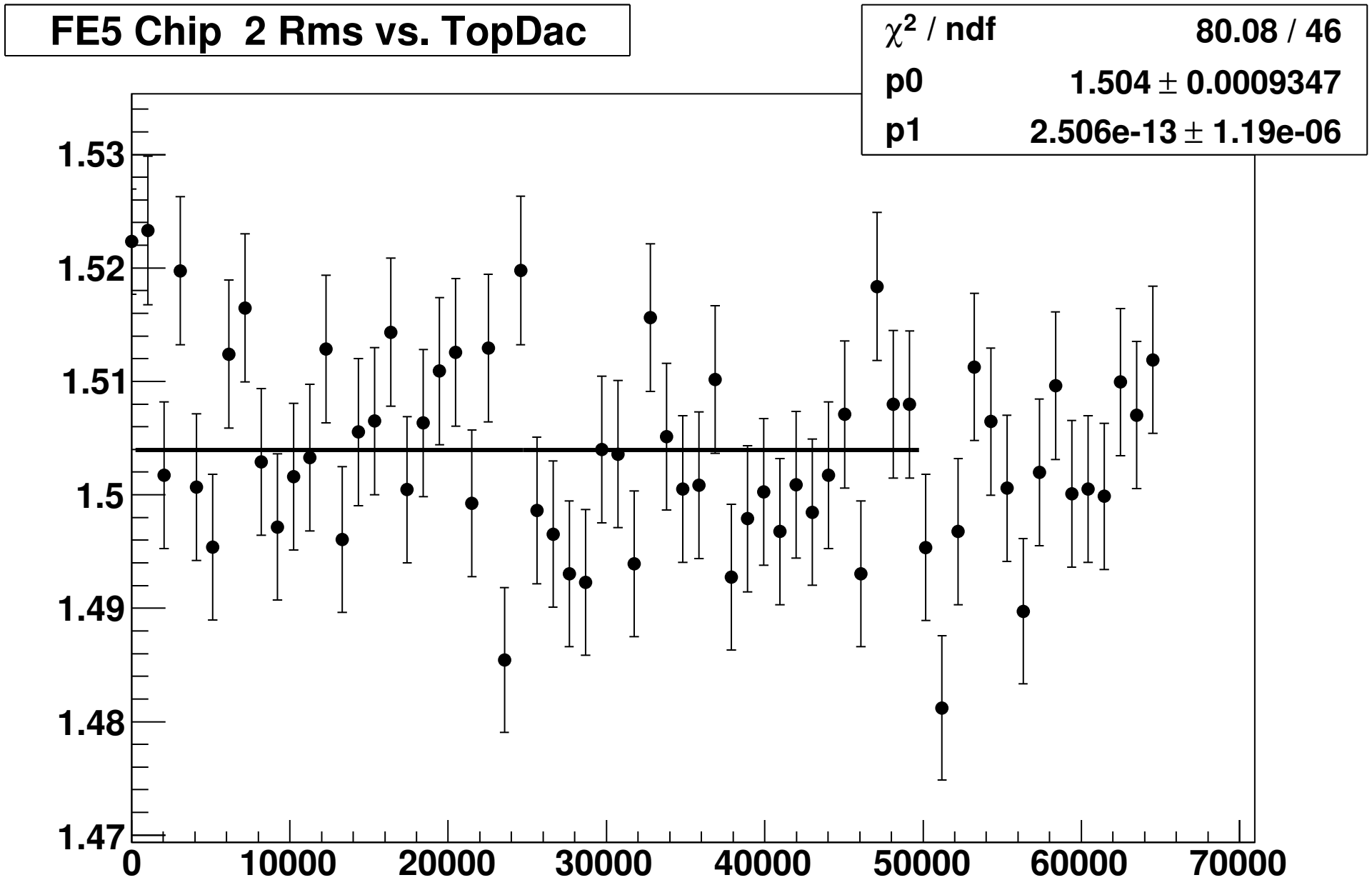

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 6098 / 46
p0 5.707 ± 0.002646
p1 9.598e-06 ± 9.189e-08
6.3
6.2
6.1
6
5.9
5.8
5.7
5.6
5.5
0
10000
20000
30000
40000
50000
60000
70000

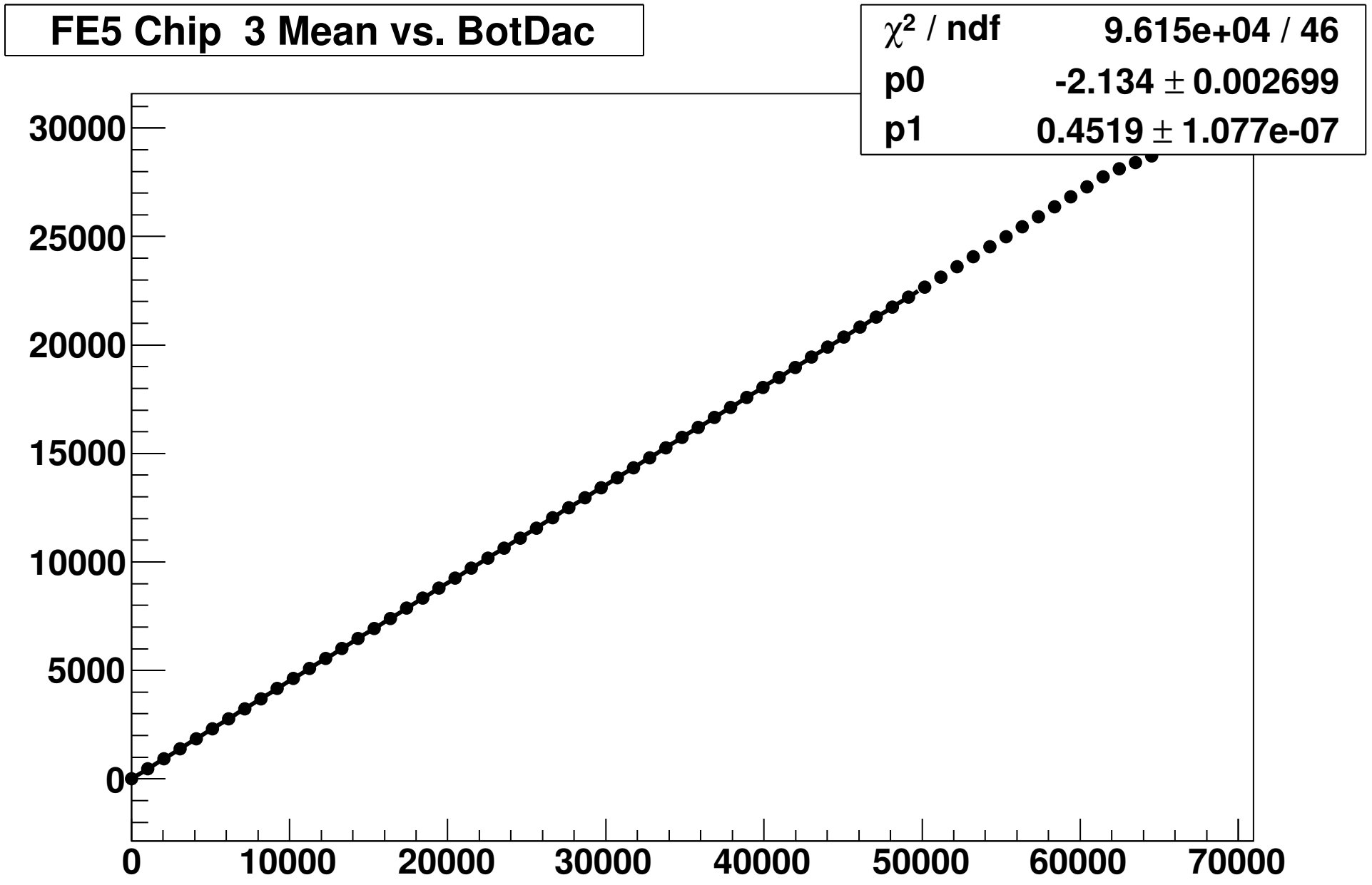

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 48.19 / 46
p0 1.482 ± 0.001391
p1 2.218e-06 ± 8.401e-07
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

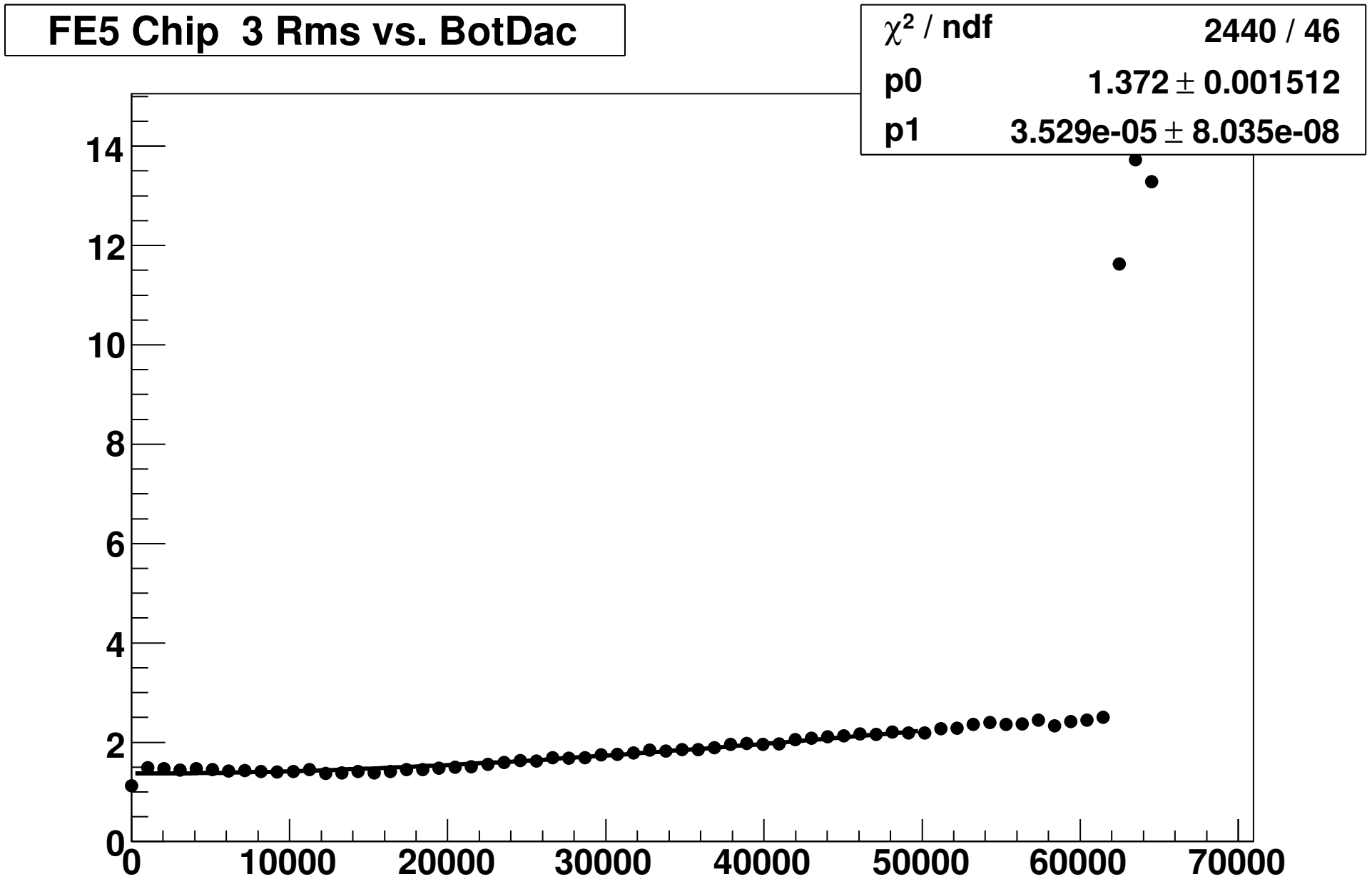

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 2.155e+05 / 46
p0 1.268 ± 0.002735
p1 0.4519 ± 1.089e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

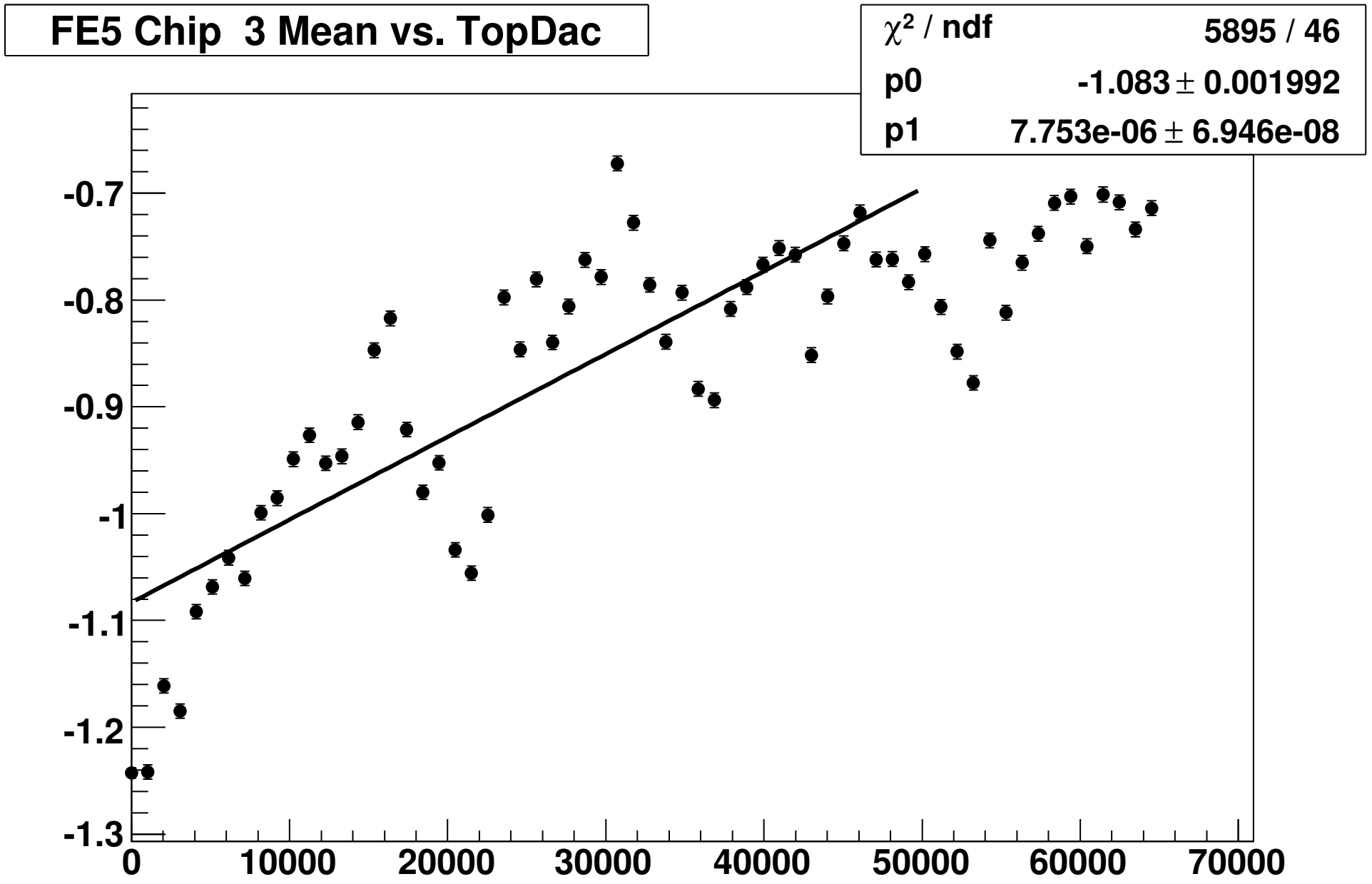

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 2572 / 46
p0 1.39 ± 0.001528
p1 3.532e-05 ± 8.168e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

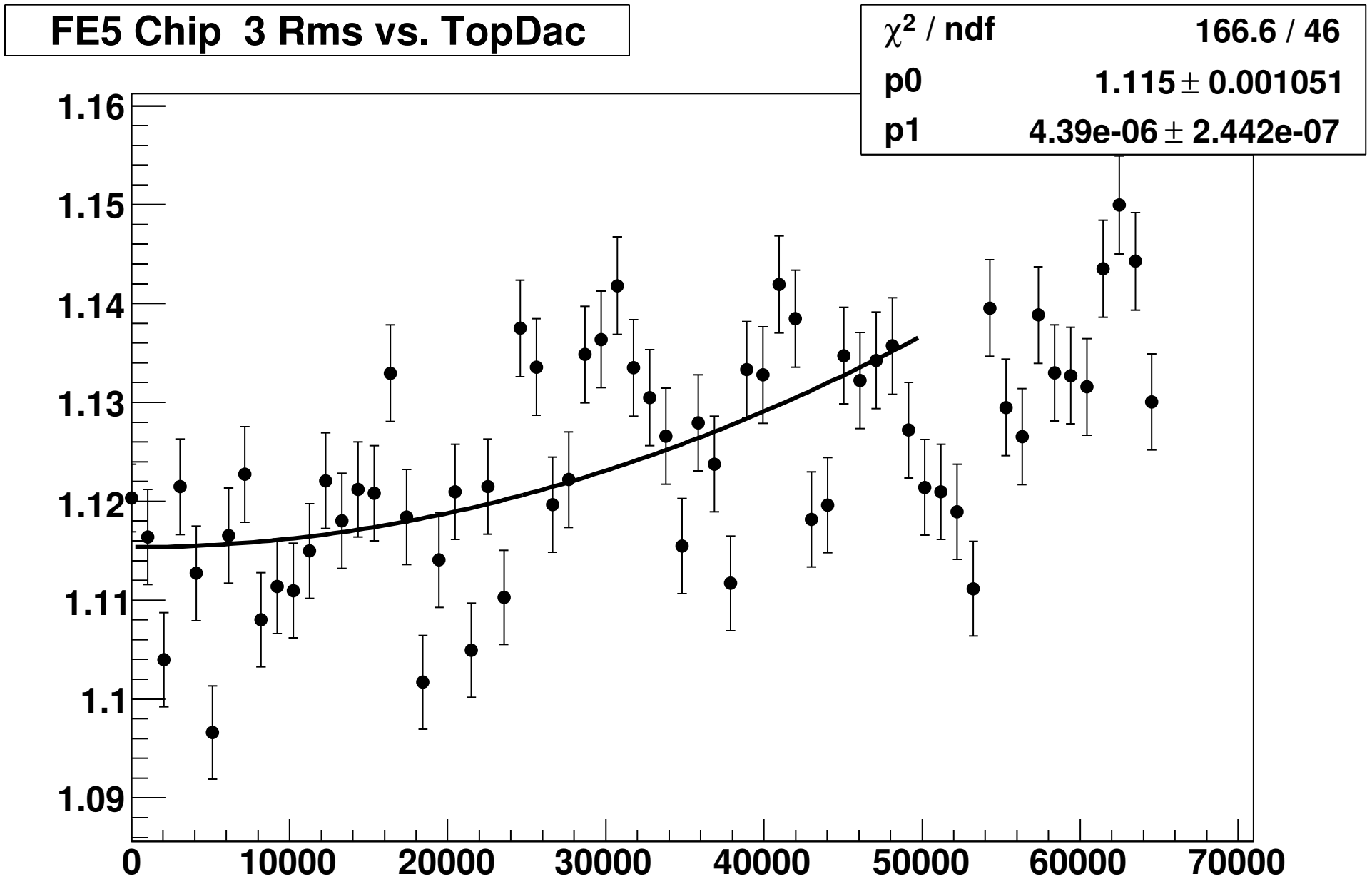

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 6814 / 46
p0 2.125 ± 0.002689
p1 1.094e-05 ± 9.324e-08
2.8
2.6
2.4
2.2
2
1.8
0
10000
20000
30000
40000
50000
60000
70000

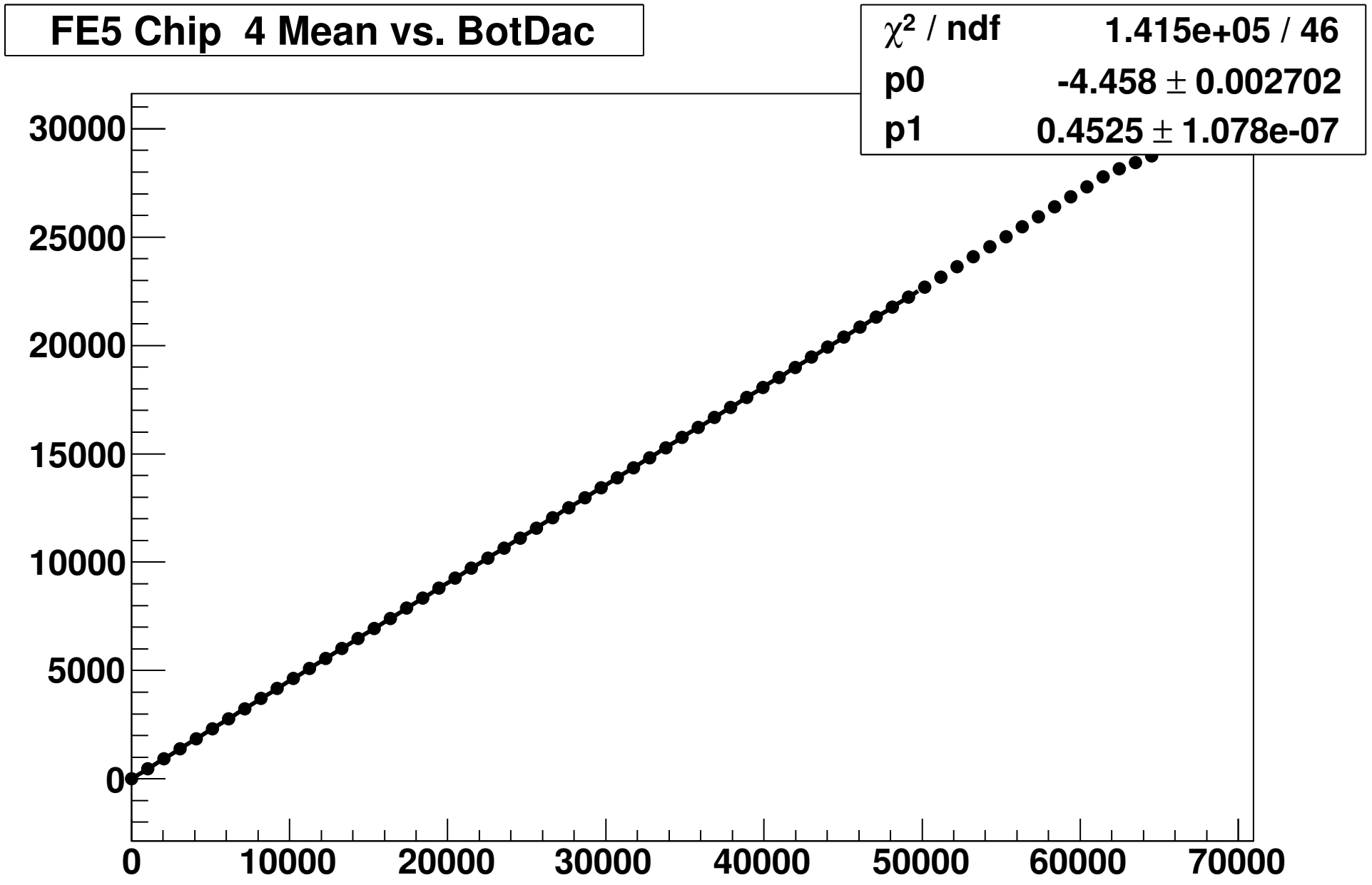

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 80.08 / 46
p0 1.504 ± 0.0009347
p1 2.506e-13 ± 1.19e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

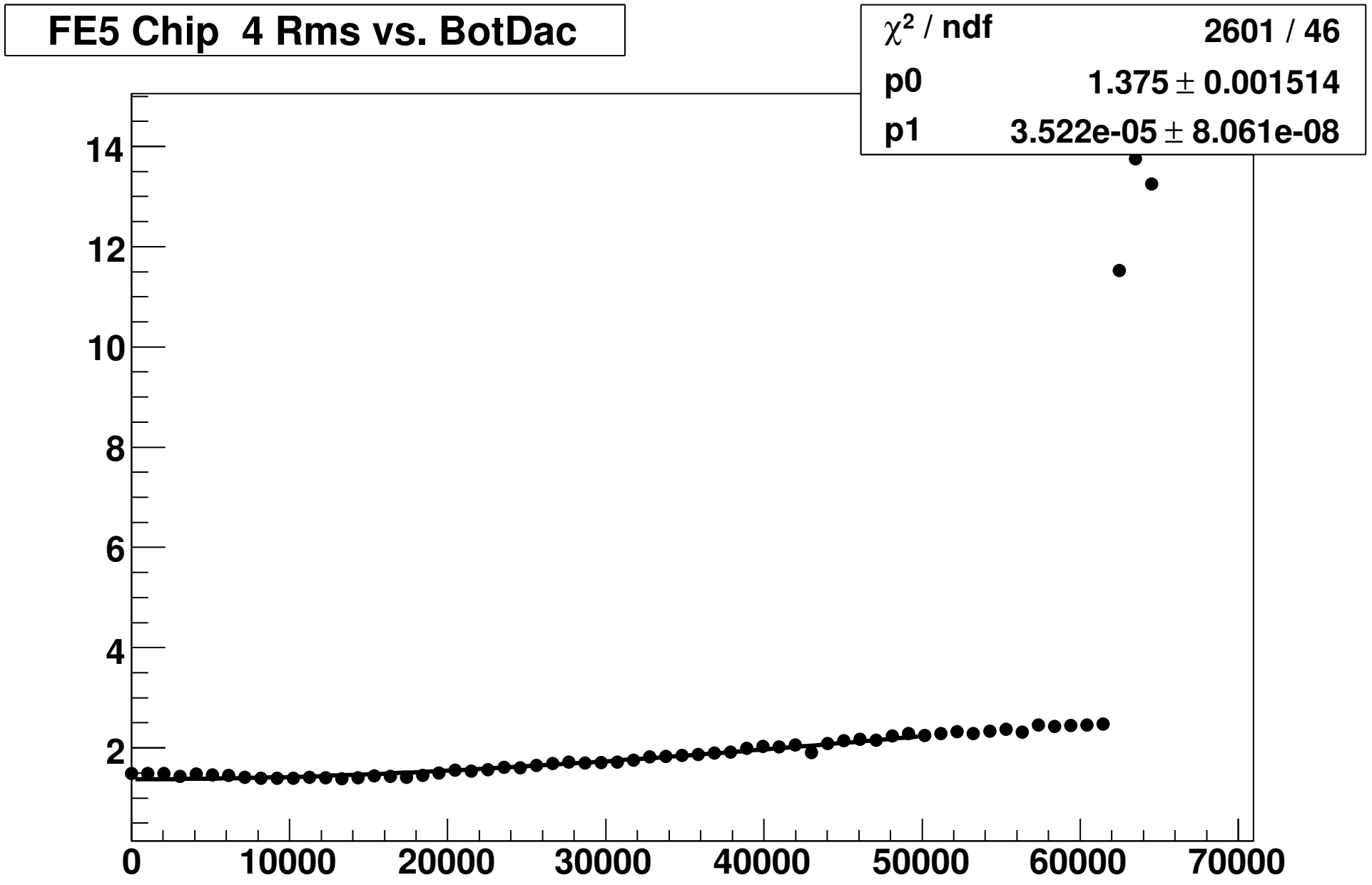

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 9.615e+04 / 46
p0 -2.134 ± 0.002699
p1 0.4519 ± 1.077e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

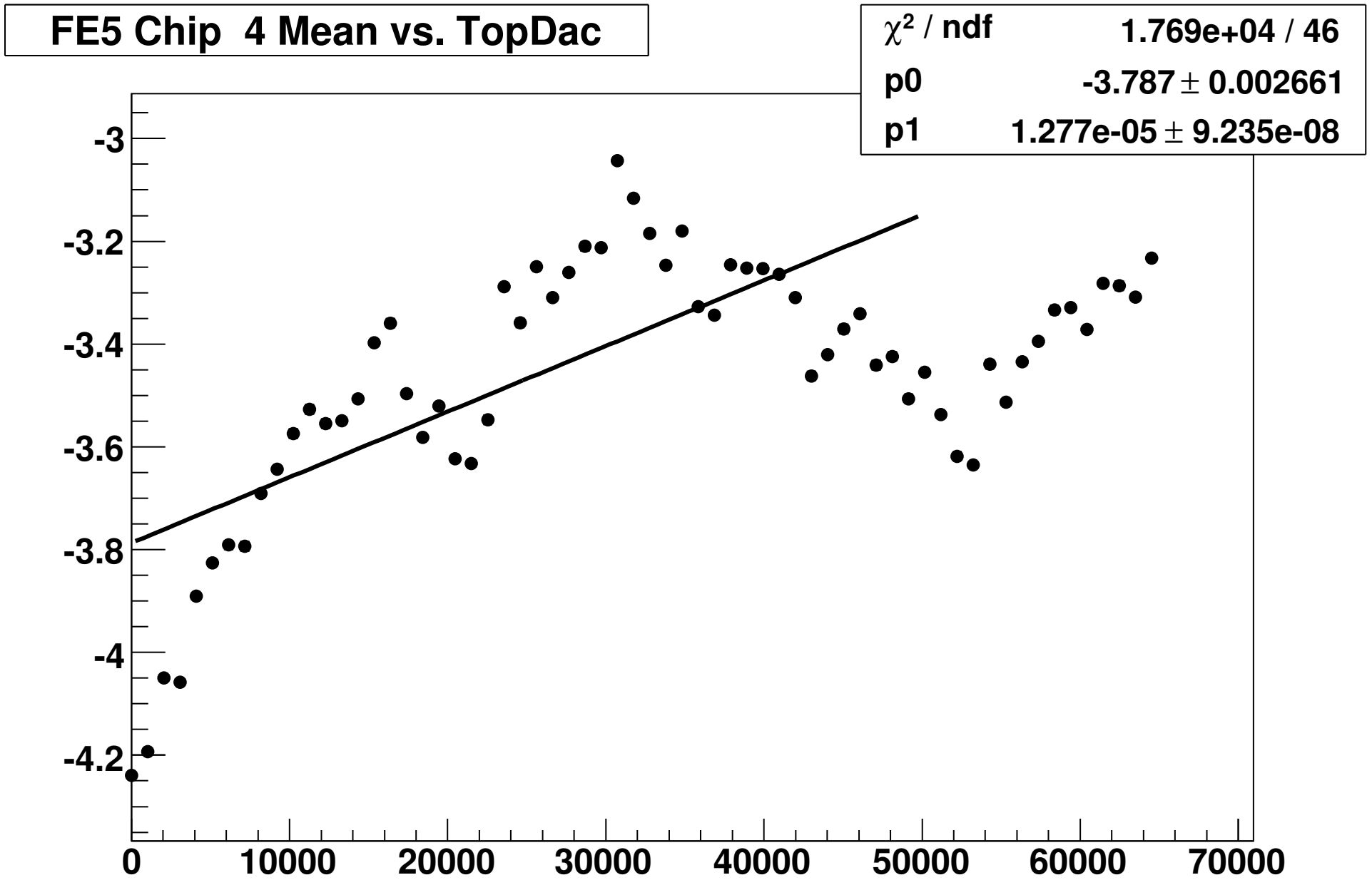

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 2440 / 46
p0 1.372 ± 0.001512
p1 3.529e-05 ± 8.035e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

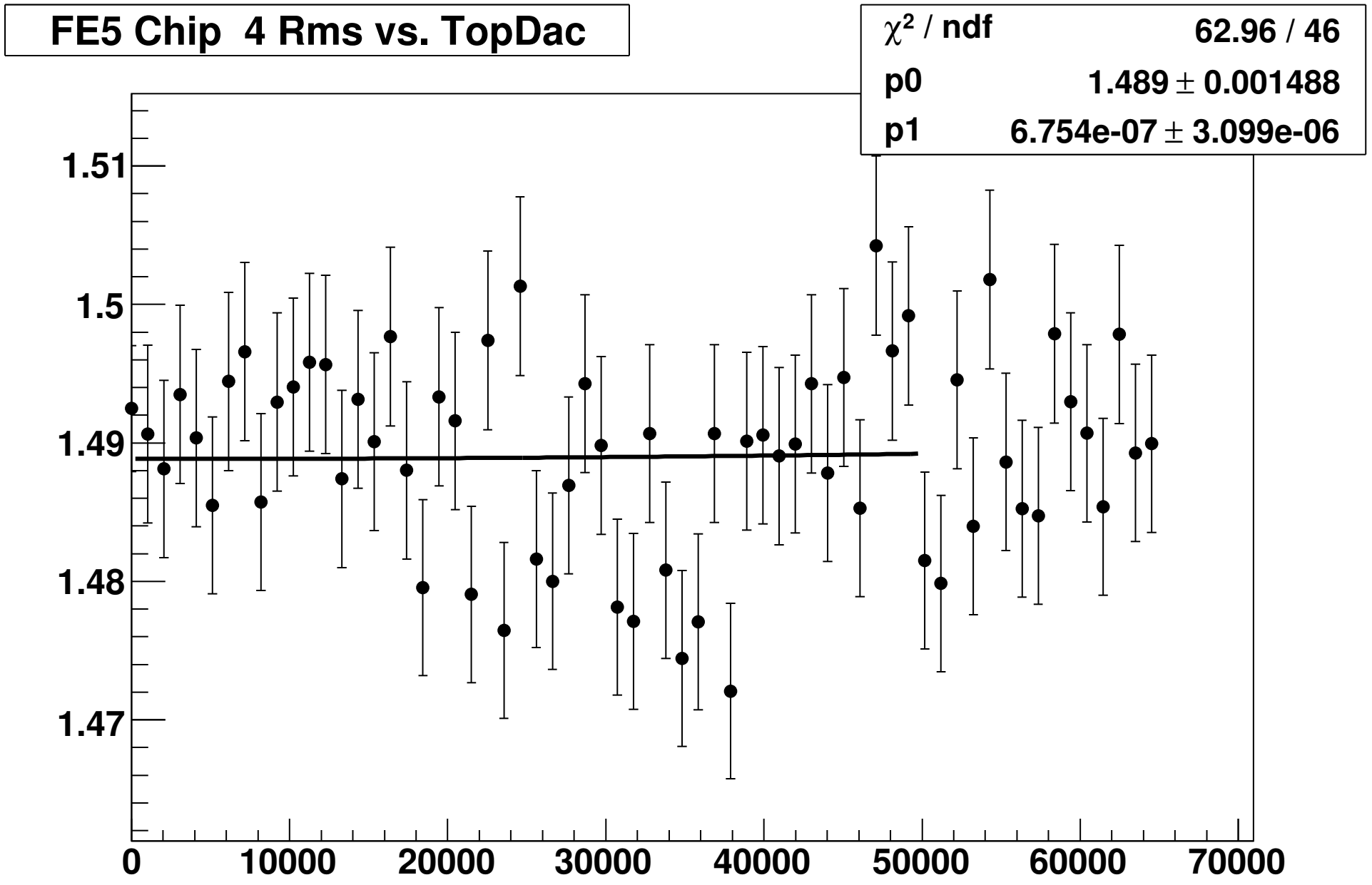

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 5895 / 46
p0 -1.083 ± 0.001992
p1 7.753e-06 ± 6.946e-08
-0.7
-0.8
-0.9
-1
-1.1
-1.2
-1.3
0
10000
20000
30000
40000
50000
60000
70000

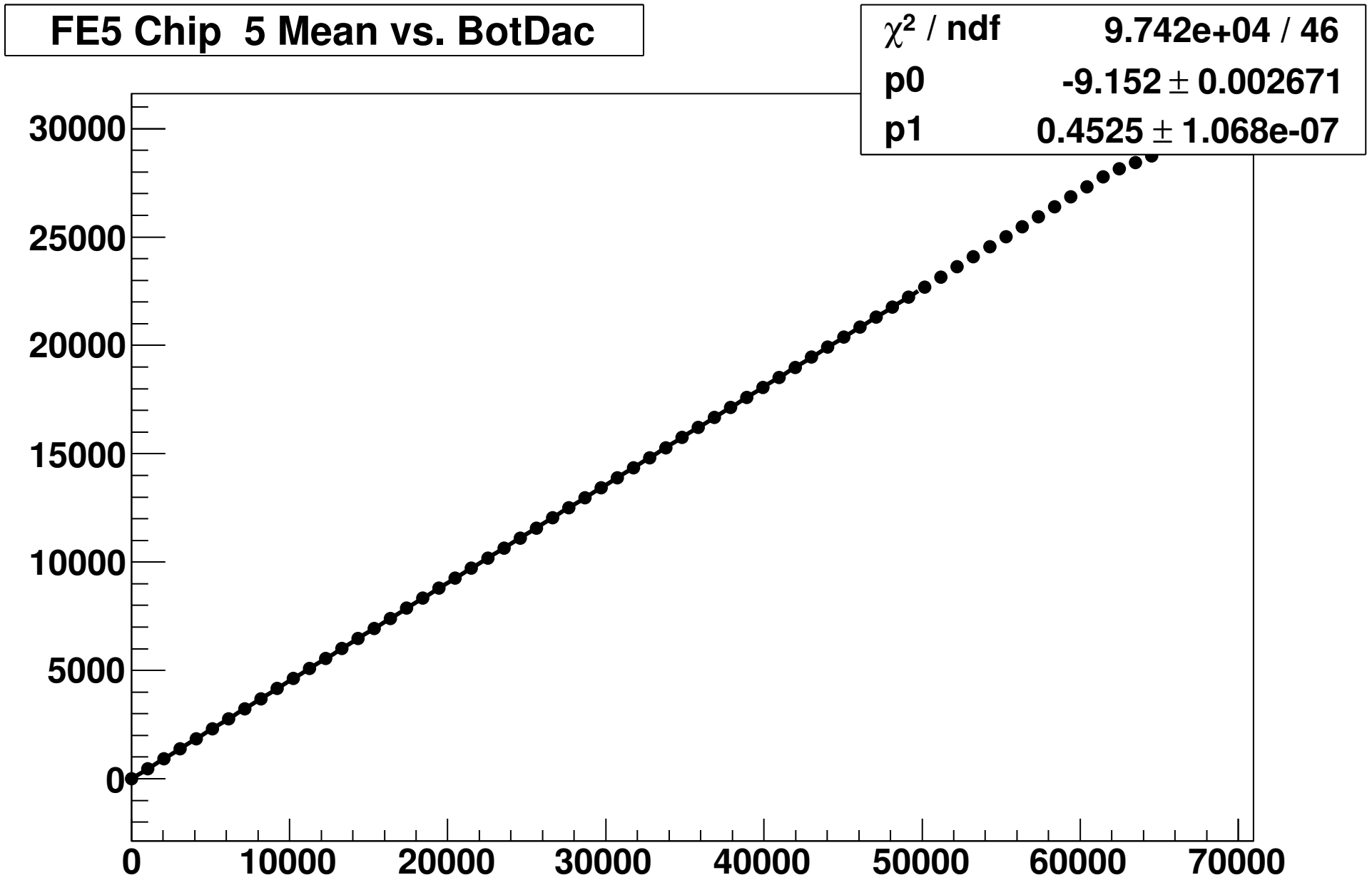

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 166.6 / 46
p0 1.115 ± 0.001051
p1 4.39e-06 ± 2.442e-07
1.16
1.15
1.14
1.13
1.12
1.11
1.1
1.09
0
10000
20000
30000
40000
50000
60000
70000

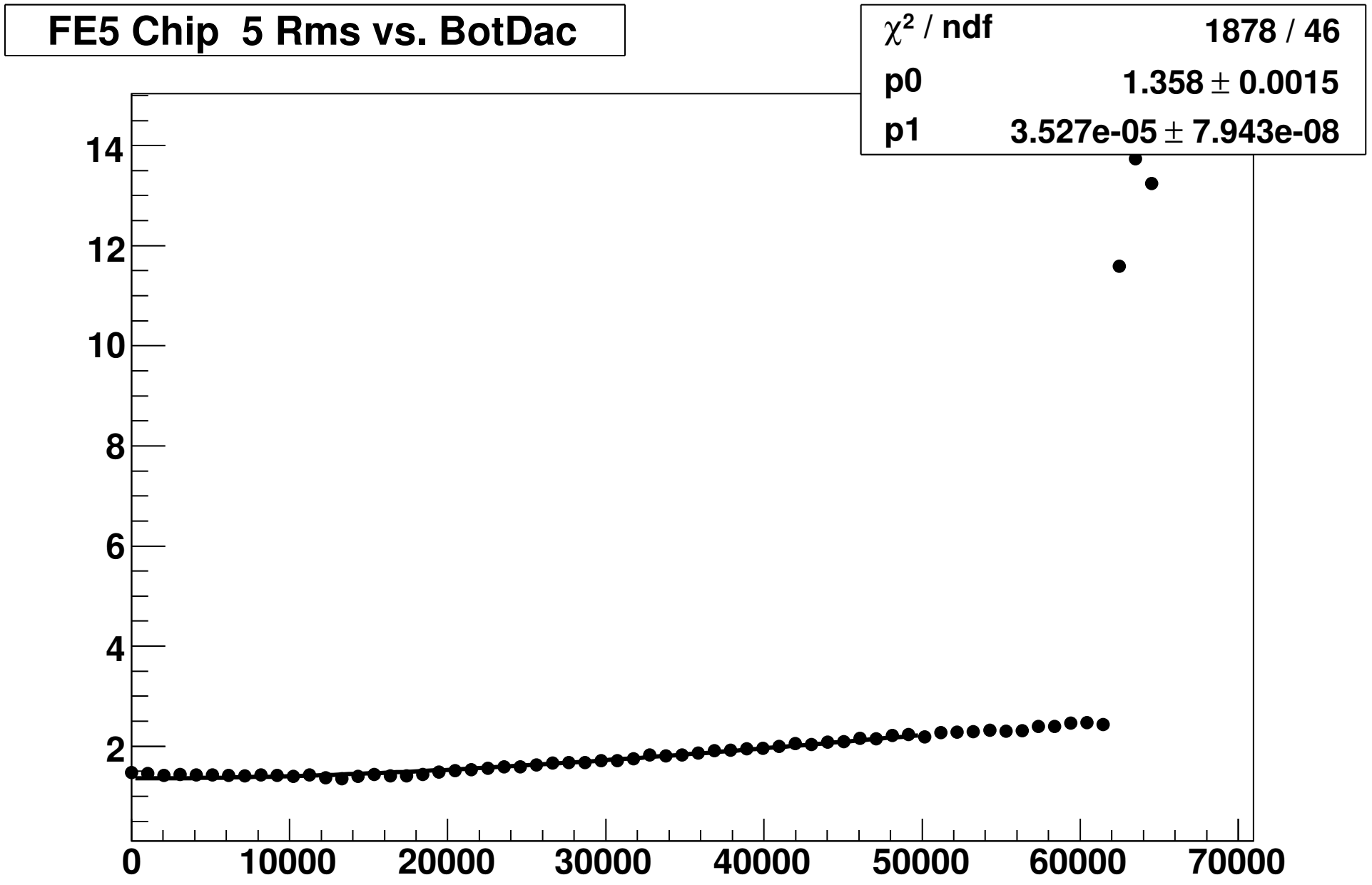

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.415e+05 / 46
p0 -4.458 ± 0.002702
p1 0.4525 ± 1.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

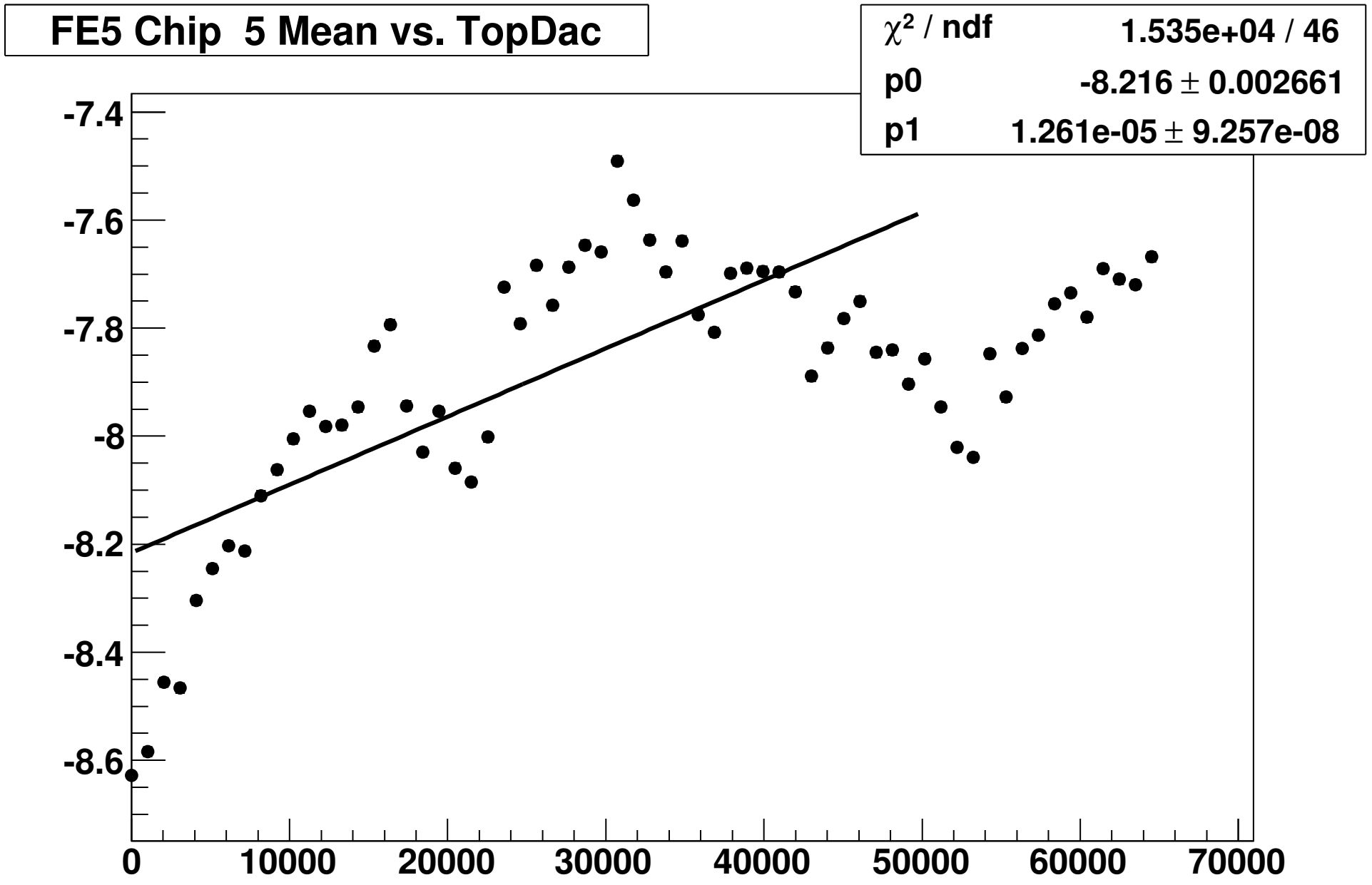

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 2601 / 46
p0 1.375 ± 0.001514
p1 3.522e-05 ± 8.061e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

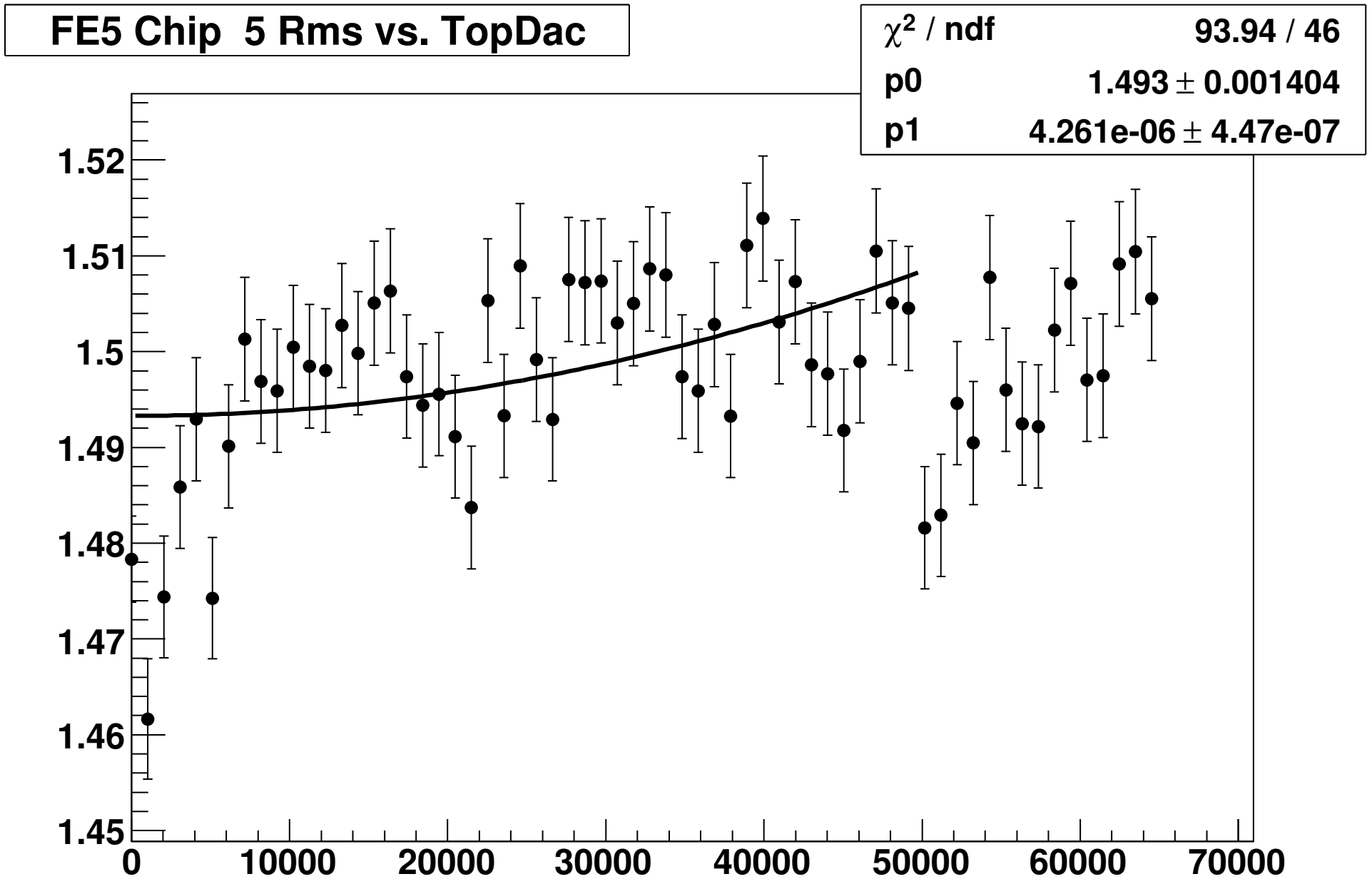

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 1.769e+04 / 46
p0 -3.787 ± 0.002661
p1 1.277e-05 ± 9.235e-08
-3
-3.2
-3.4
-3.6
-3.8
-4
-4.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 62.96 / 46
p0 1.489 ± 0.001488
p1 6.754e-07 ± 3.099e-06
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 9.742e+04 / 46
p0 -9.152 ± 0.002671
p1 0.4525 ± 1.068e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1878 / 46
p0 1.358 ± 0.0015
p1 3.527e-05 ± 7.943e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 1.535e+04 / 46
p0 -8.216 ± 0.002661
p1 1.261e-05 ± 9.257e-08
-7.4
-7.6
-7.8
-8
-8.2
-8.4
-8.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 93.94 / 46
p0 1.493 ± 0.001404
p1 4.261e-06 ± 4.47e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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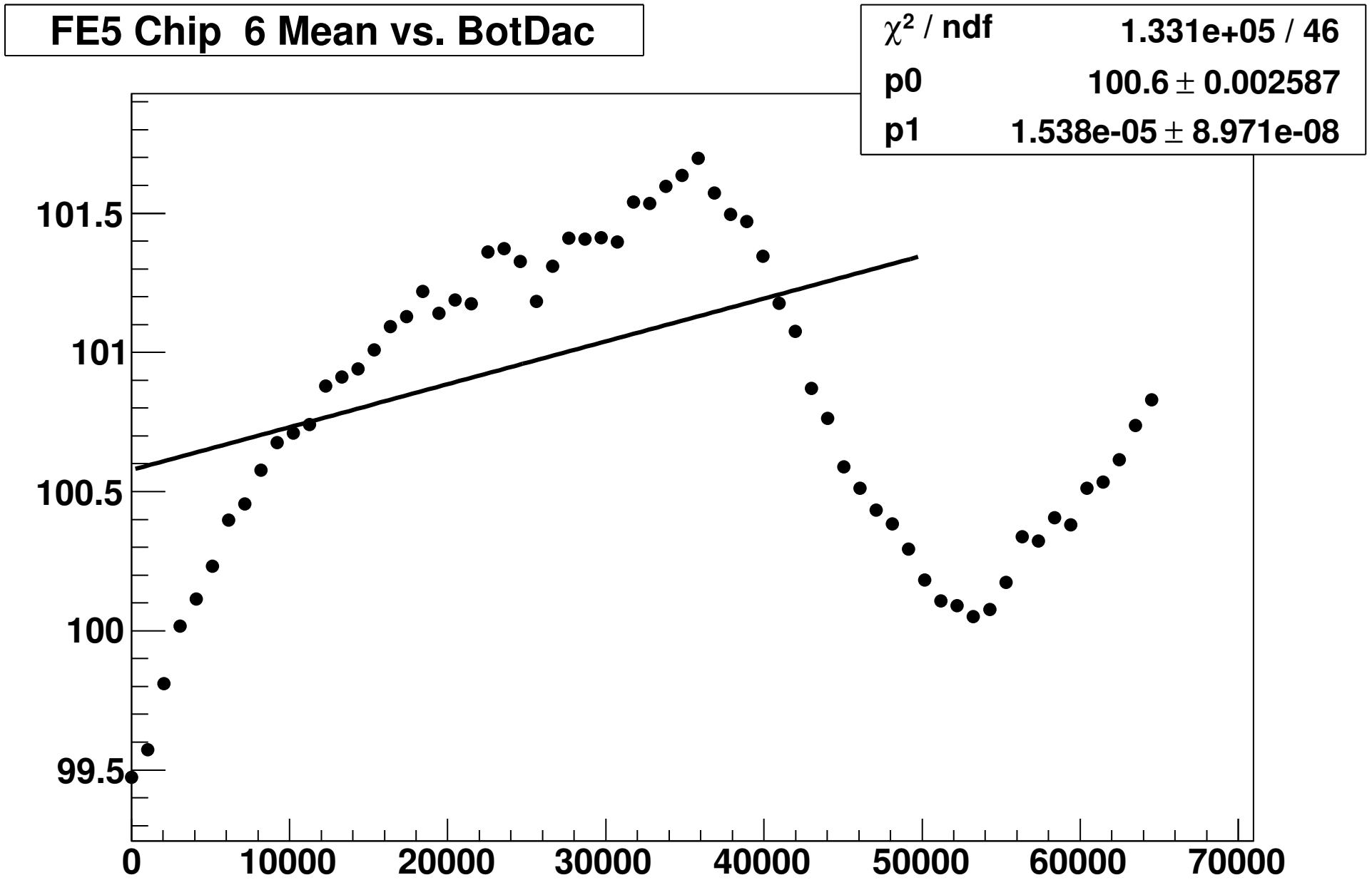
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1.331e+05 / 46
p0 100.6 ± 0.002587
p1 1.538e-05 ± 8.971e-08
101.5
101
100.5
100
99.5
0
10000
20000
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40000
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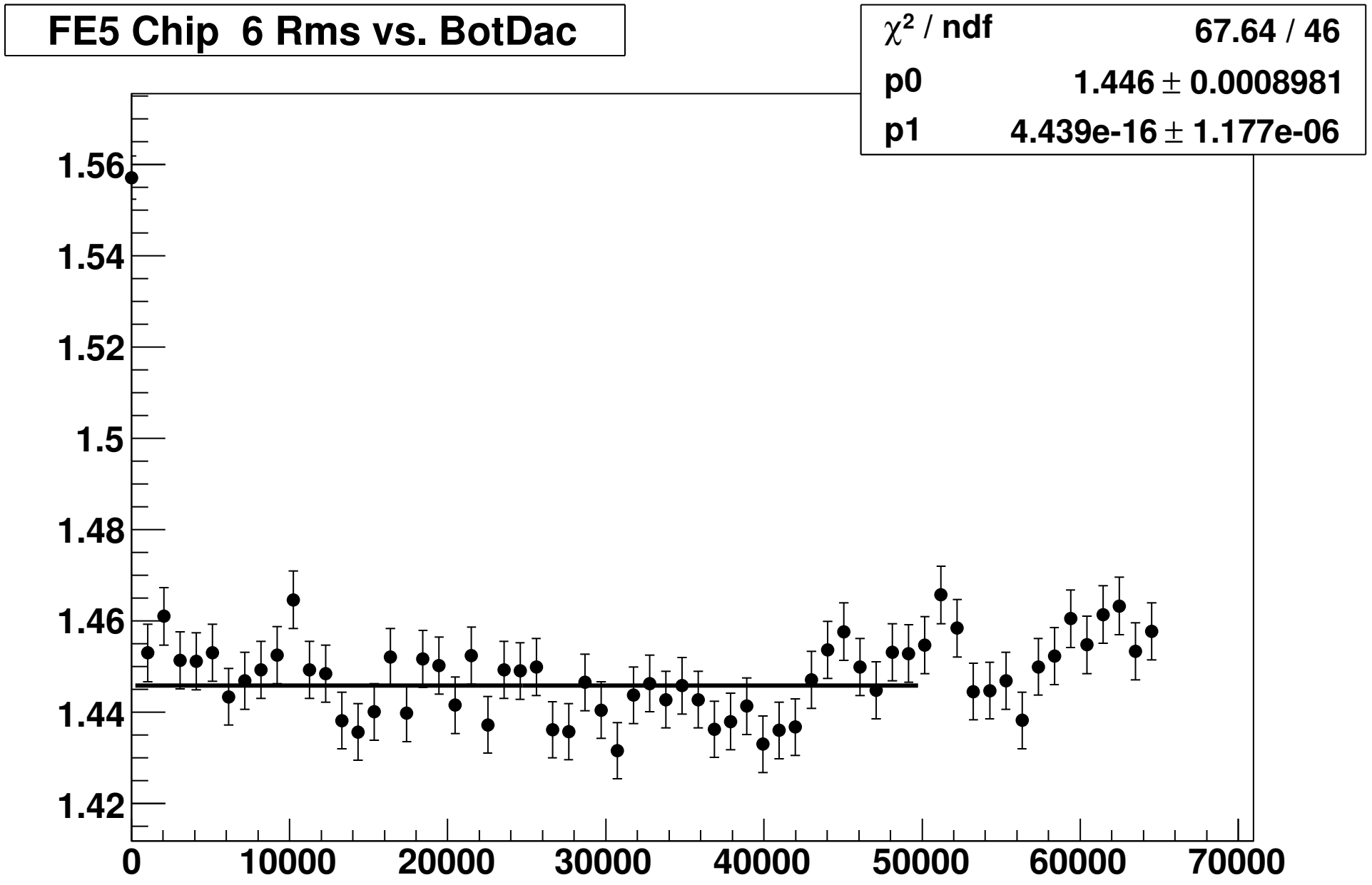
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 67.64 / 46
p0 1.446 ± 0.0008981
p1 4.439e-16 ± 1.177e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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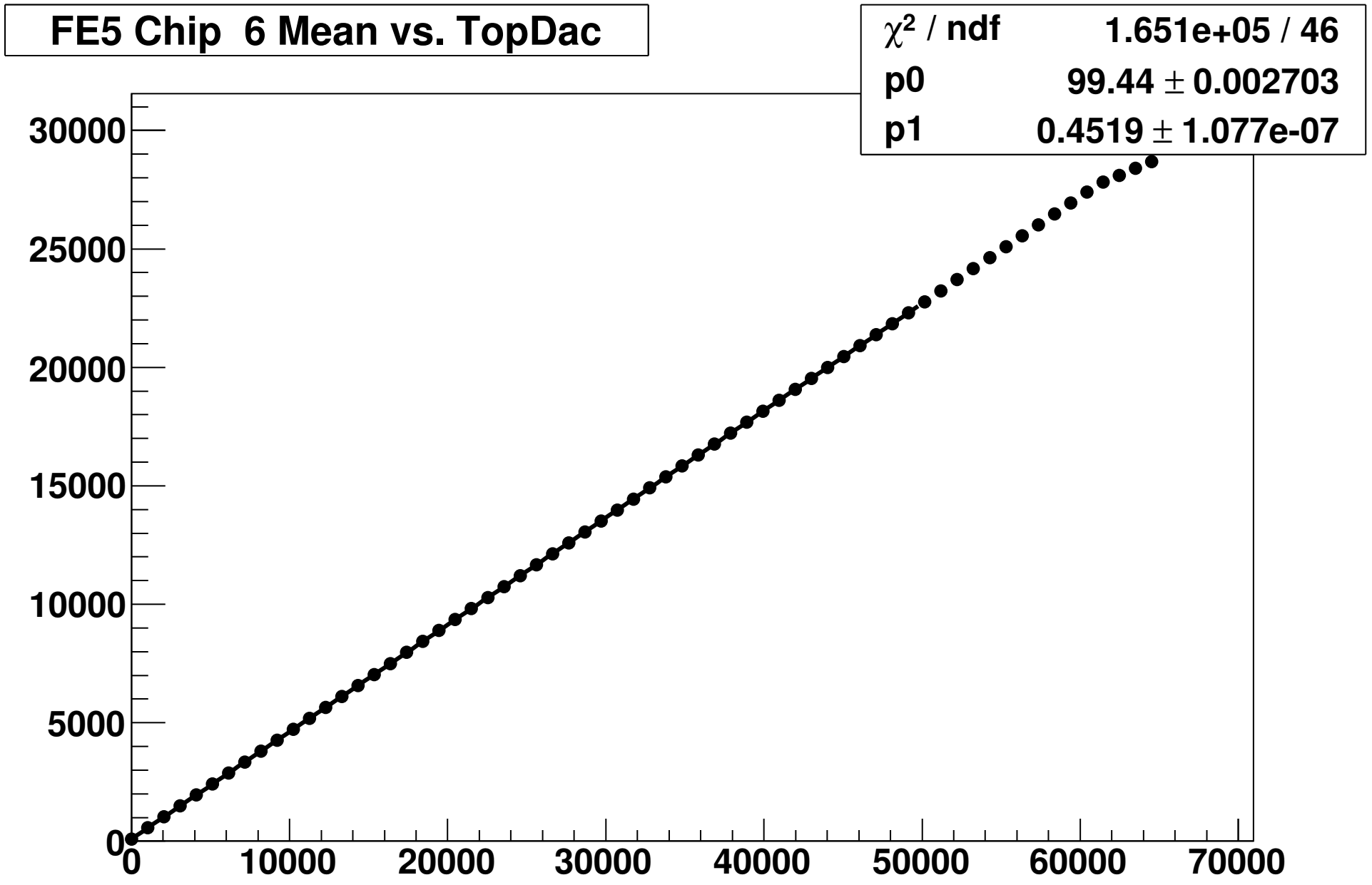
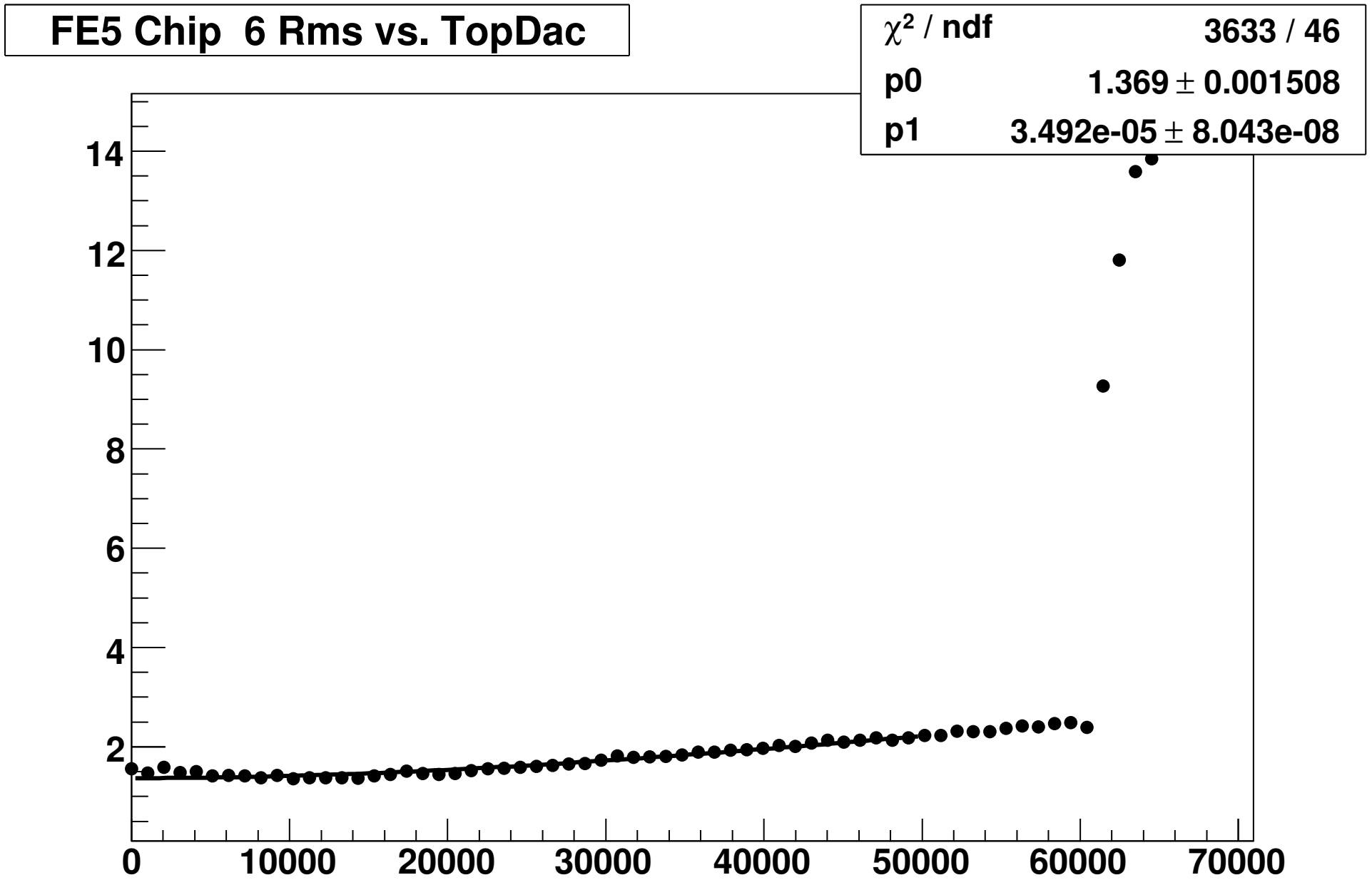

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.651e+05 / 46
p0 99.44 ± 0.002703
p1 0.4519 ± 1.077e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 3633 / 46
p0 1.369 ± 0.001508
p1 3.492e-05 ± 8.043e-08
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12
10
8
6
4
2
0
10000
20000
30000
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50000
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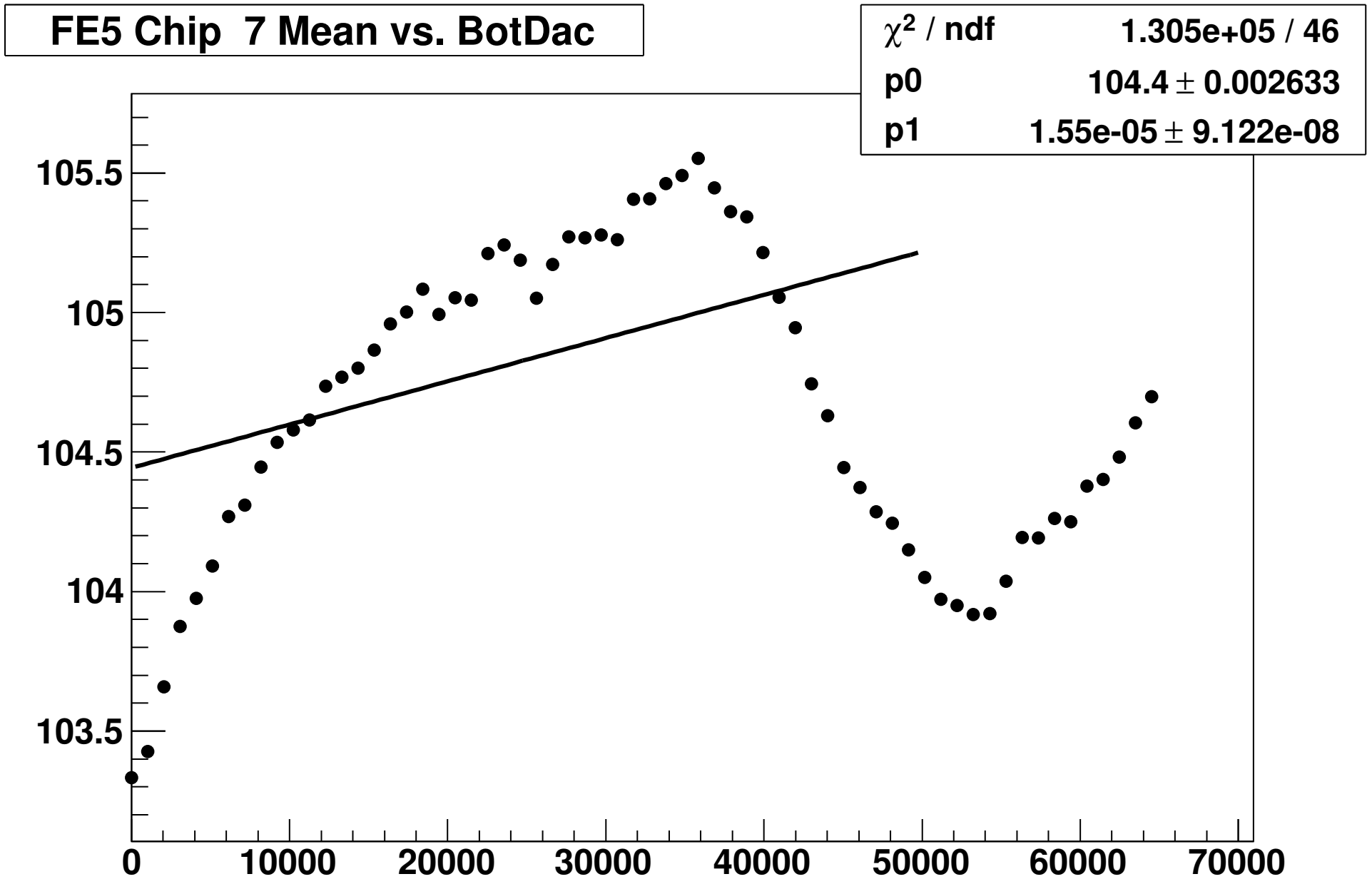
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1.305e+05 / 46
p0 104.4 ± 0.002633
p1 1.55e-05 ± 9.122e-08
105.5
105
104.5
104
103.5
0
10000
20000
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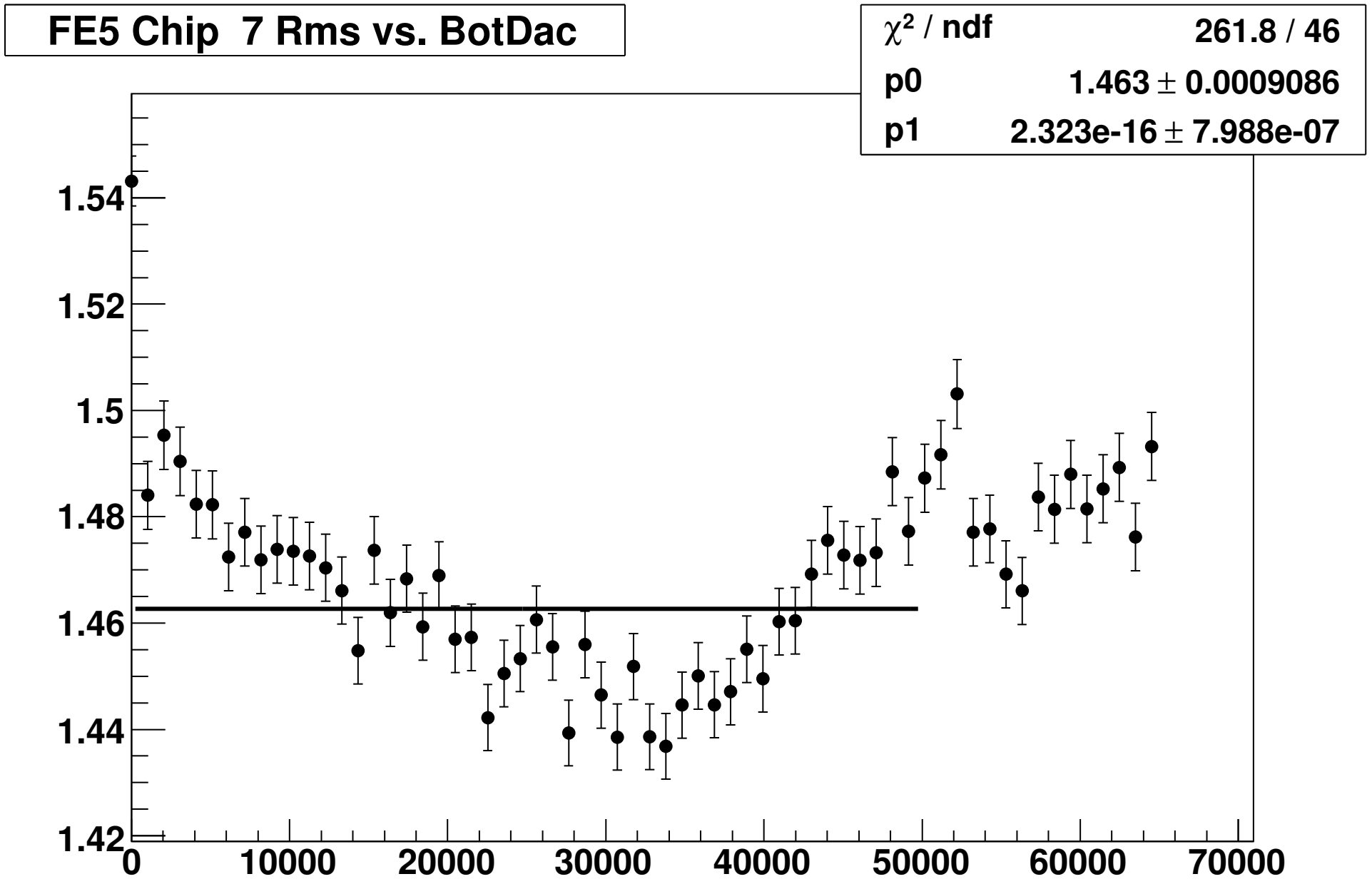
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 261.8 / 46
p0 1.463 ± 0.0009086
p1 2.323e-16 ± 7.988e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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60000
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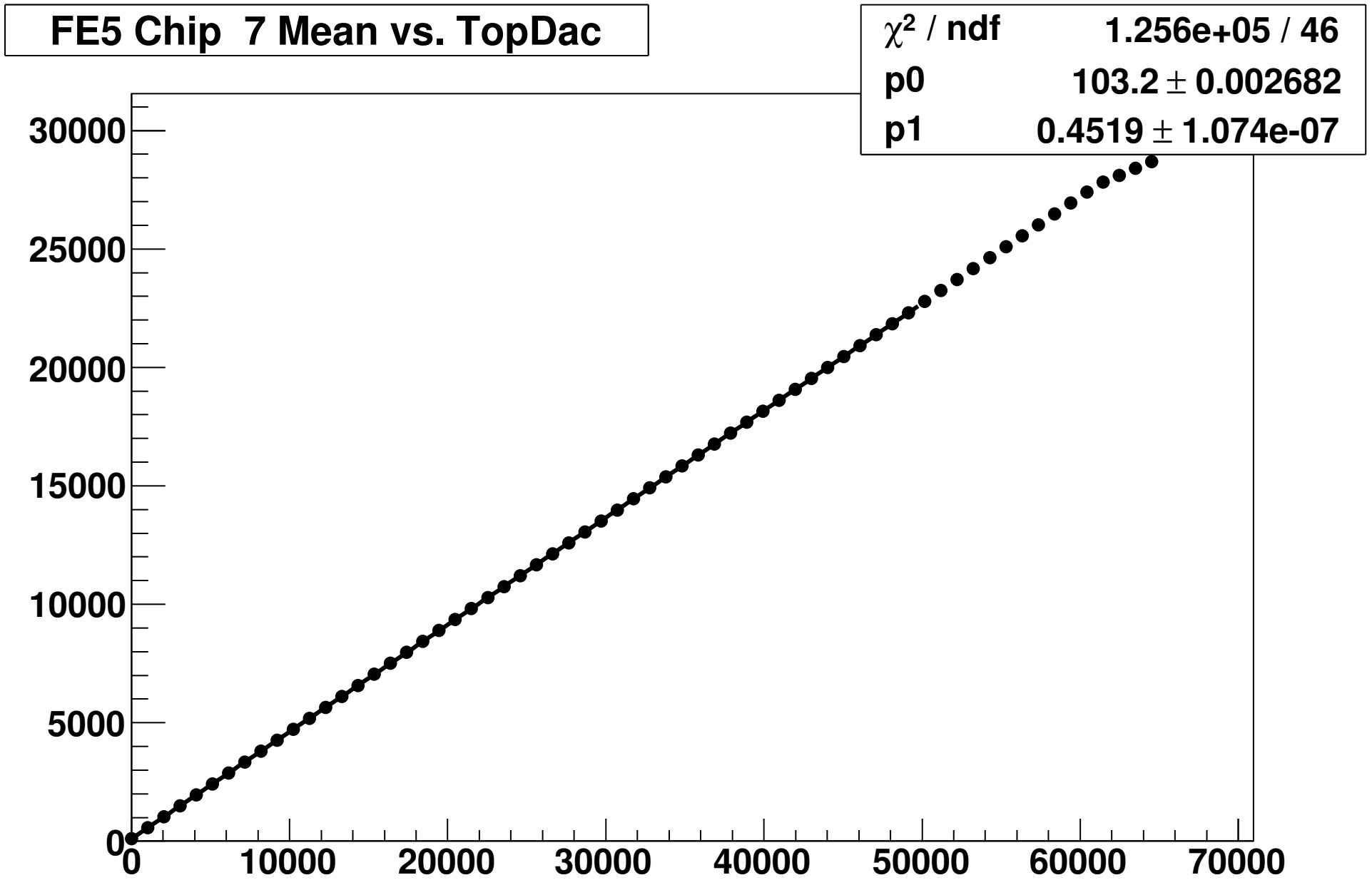
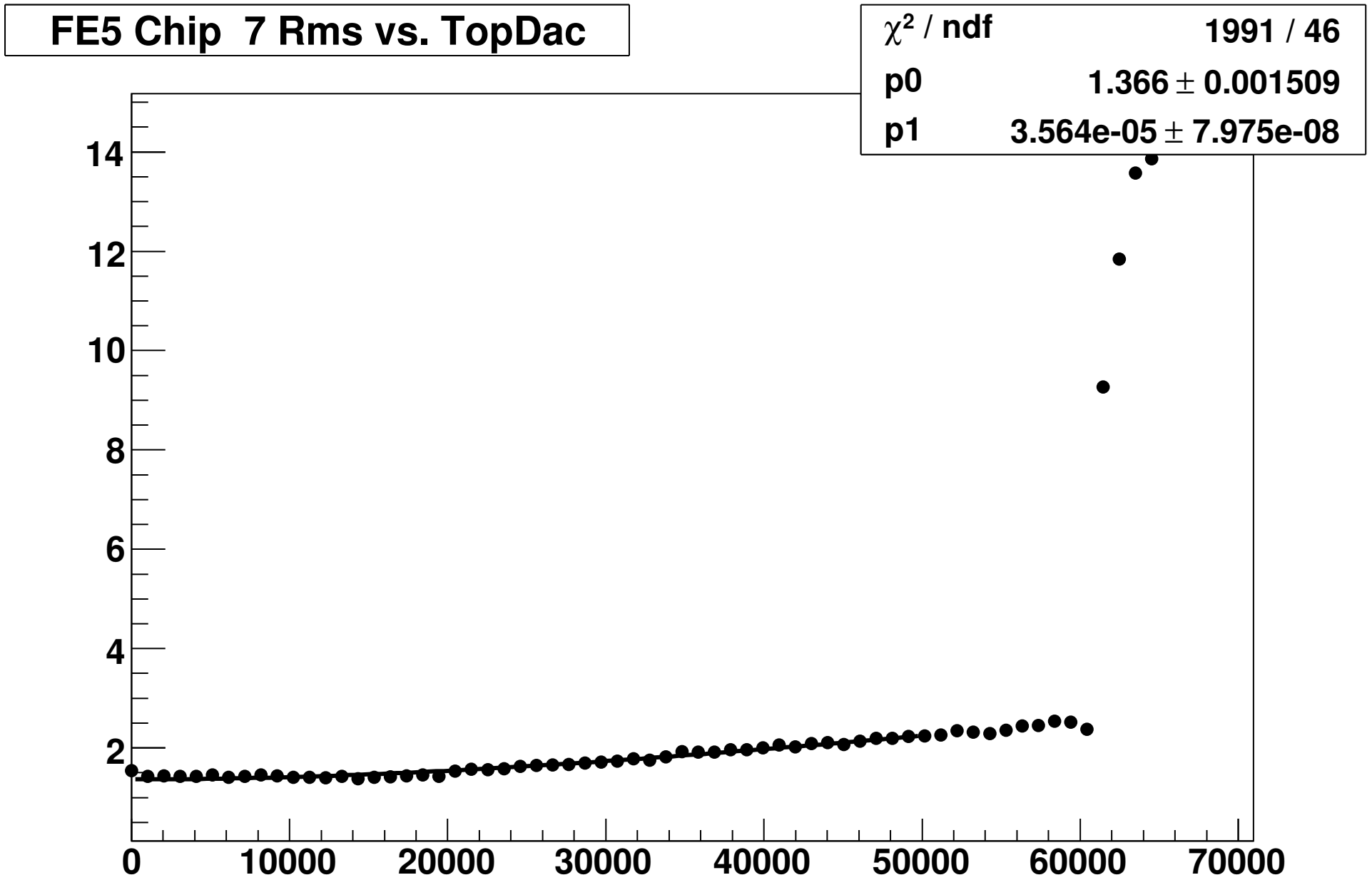
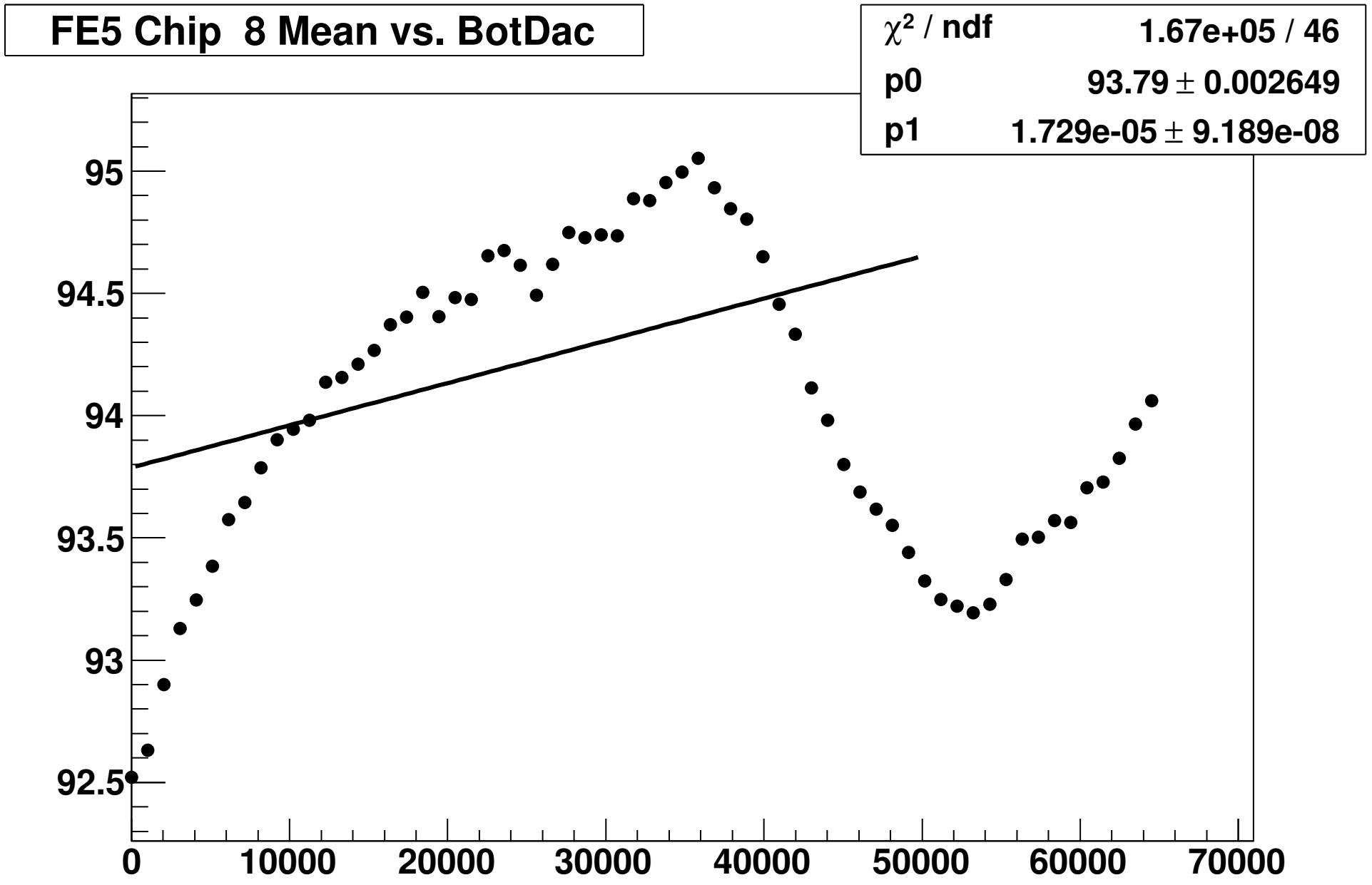

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.256e+05 / 46
p0 103.2 ± 0.002682
p1 0.4519 ± 1.074e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1991 / 46
p0 1.366 ± 0.001509
p1 3.564e-05 ± 7.975e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1.67e+05 / 46
p0 93.79 ± 0.002649
p1 1.729e-05 ± 9.189e-08
95
94.5
94
93.5
93
92.5
0
10000
20000
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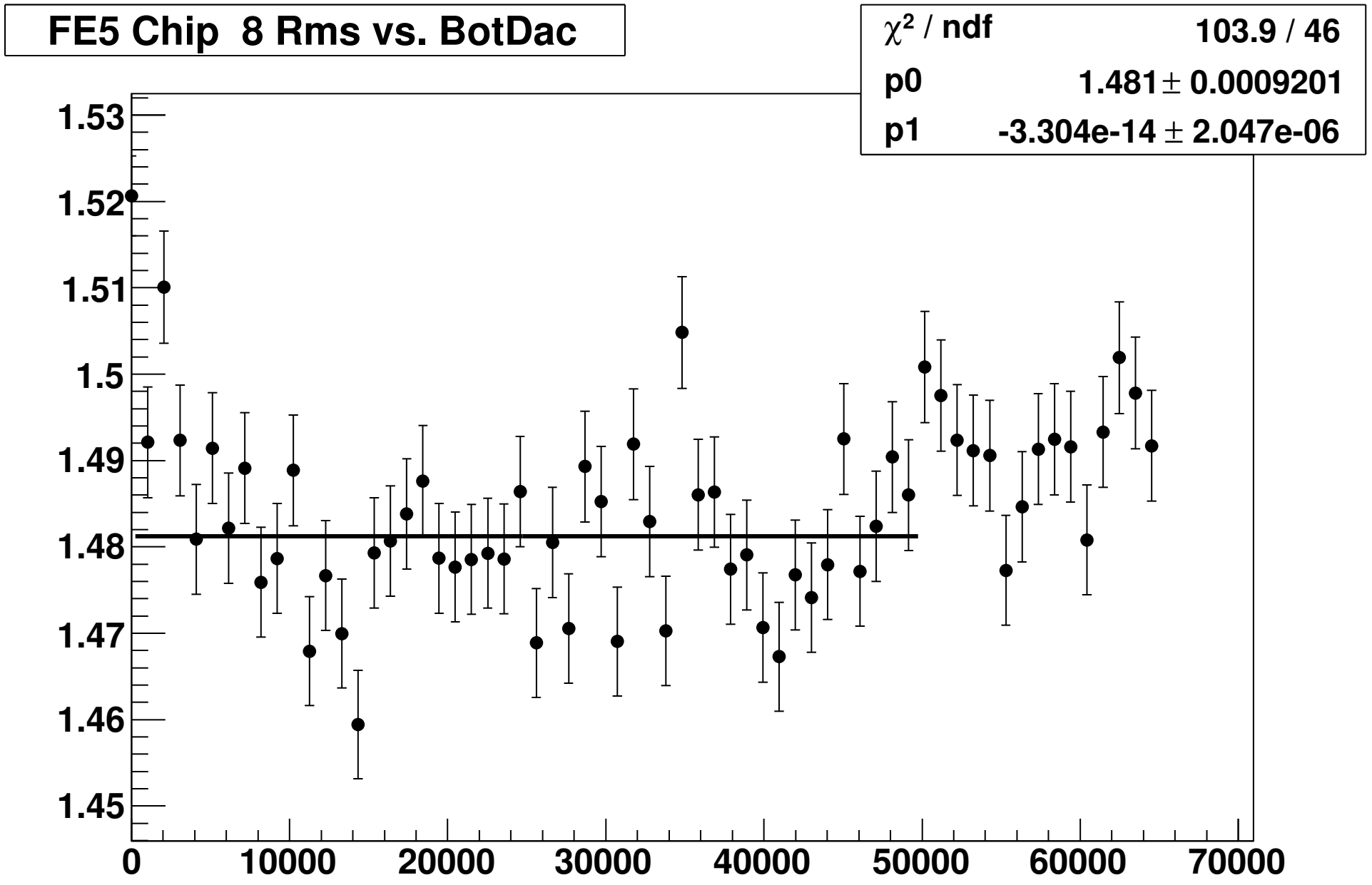
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 103.9 / 46
p0 1.481 ± 0.0009201
p1 -3.304e-14 ± 2.047e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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50000
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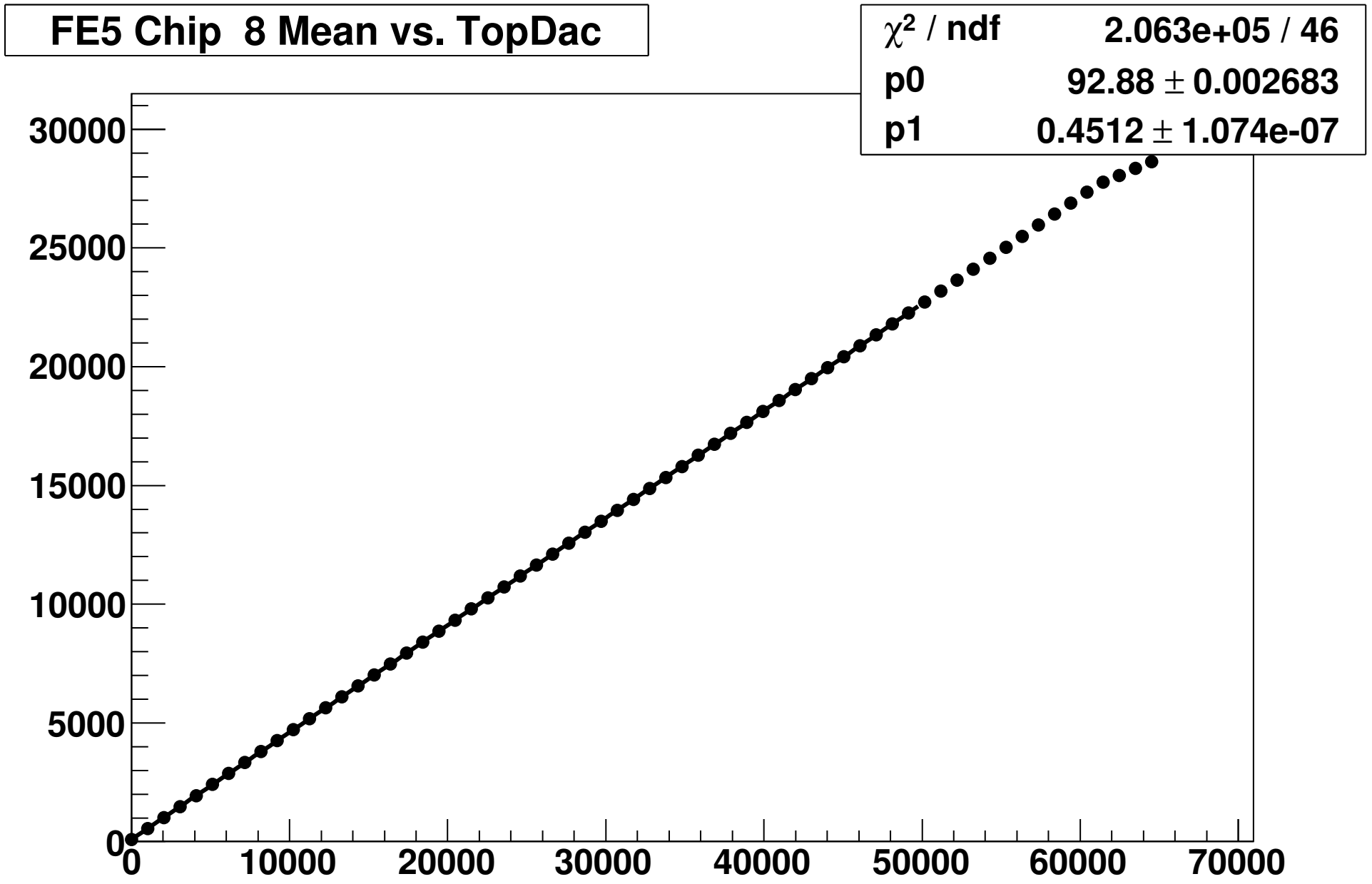
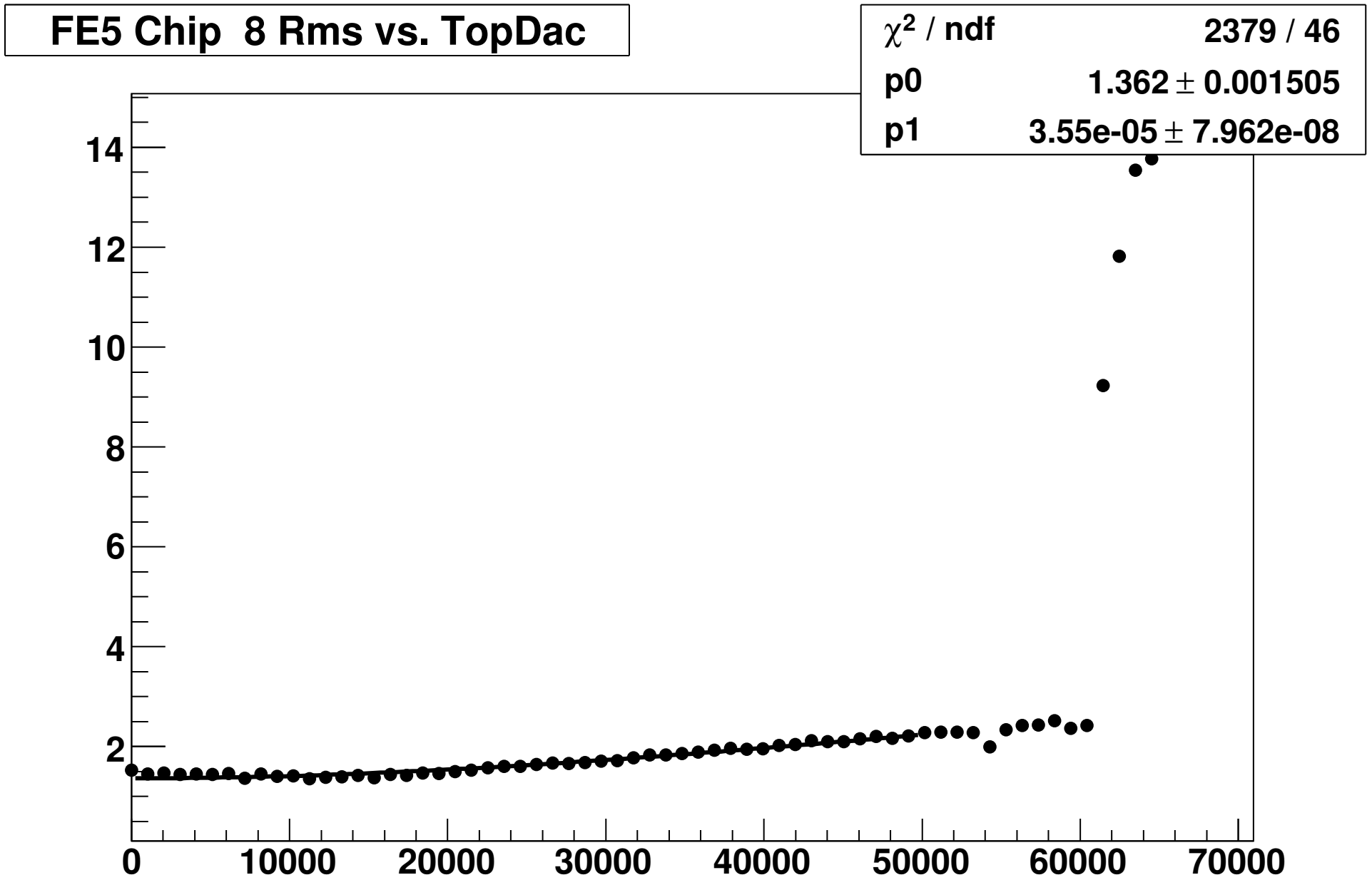
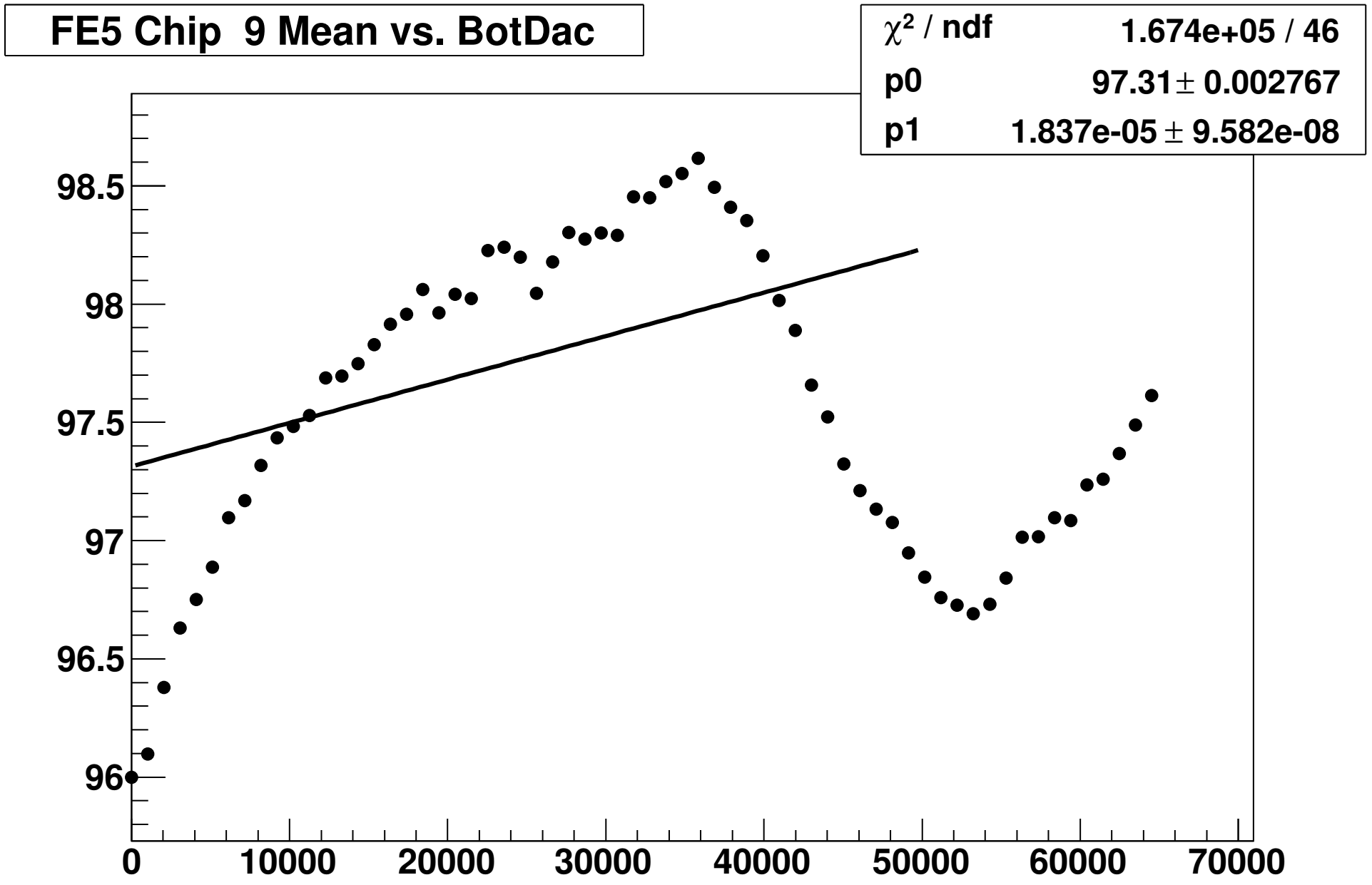

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.063e+05 / 46
p0 92.88 ± 0.002683
p1 0.4512 ± 1.074e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 2379 / 46
p0 1.362 ± 0.001505
p1 3.55e-05 ± 7.962e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 1.674e+05 / 46
p0 97.31 ± 0.002767
p1 1.837e-05 ± 9.582e-08
98.5
98
97.5
97
96.5
96
0
10000
20000
30000
40000
50000
60000
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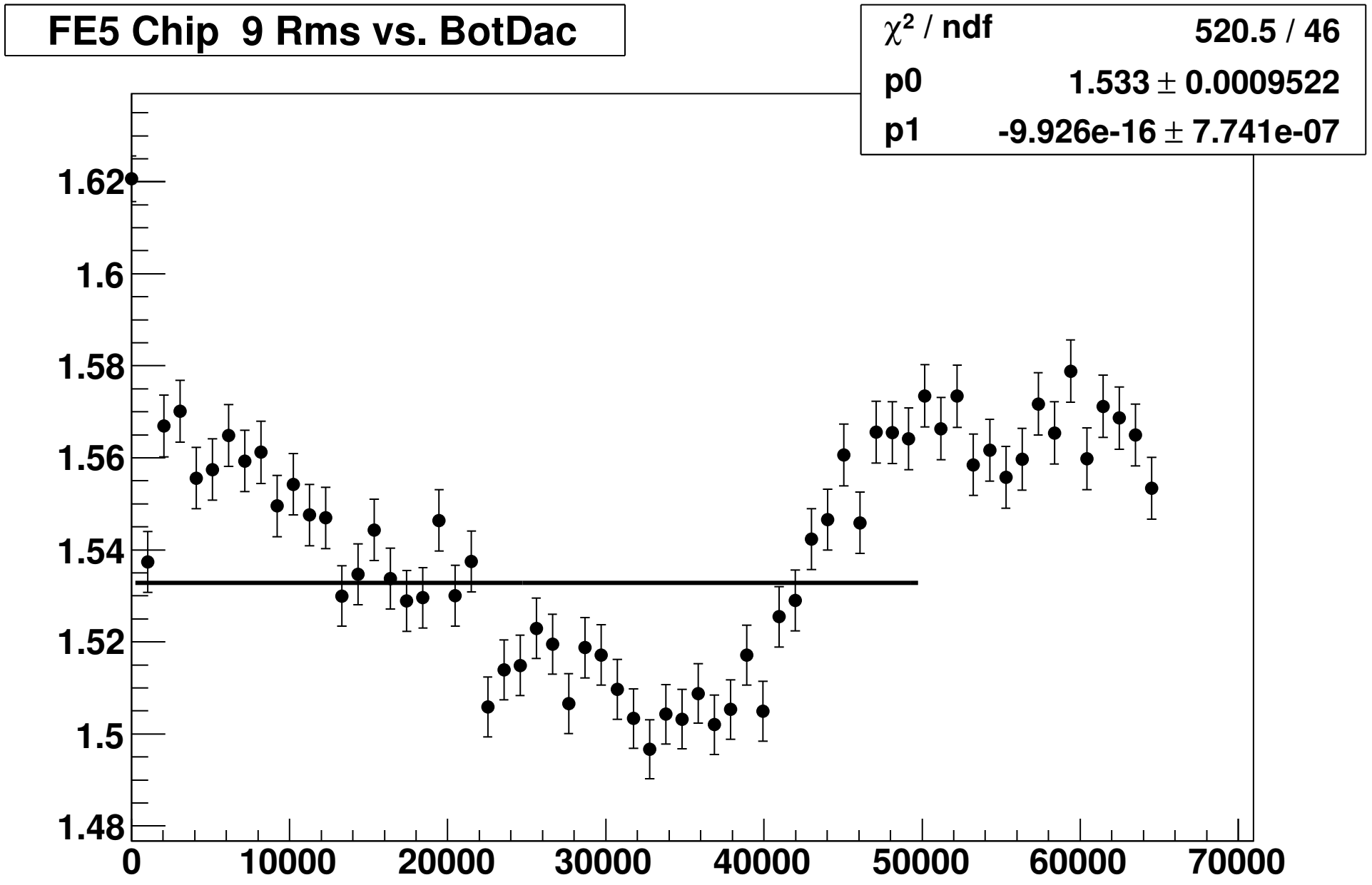
FE5 Chip 9 Rms vs. BotDac
χ² / ndf 520.5 / 46
p0 1.533 ± 0.0009522
p1 -9.926e-16 ± 7.741e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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50000
60000
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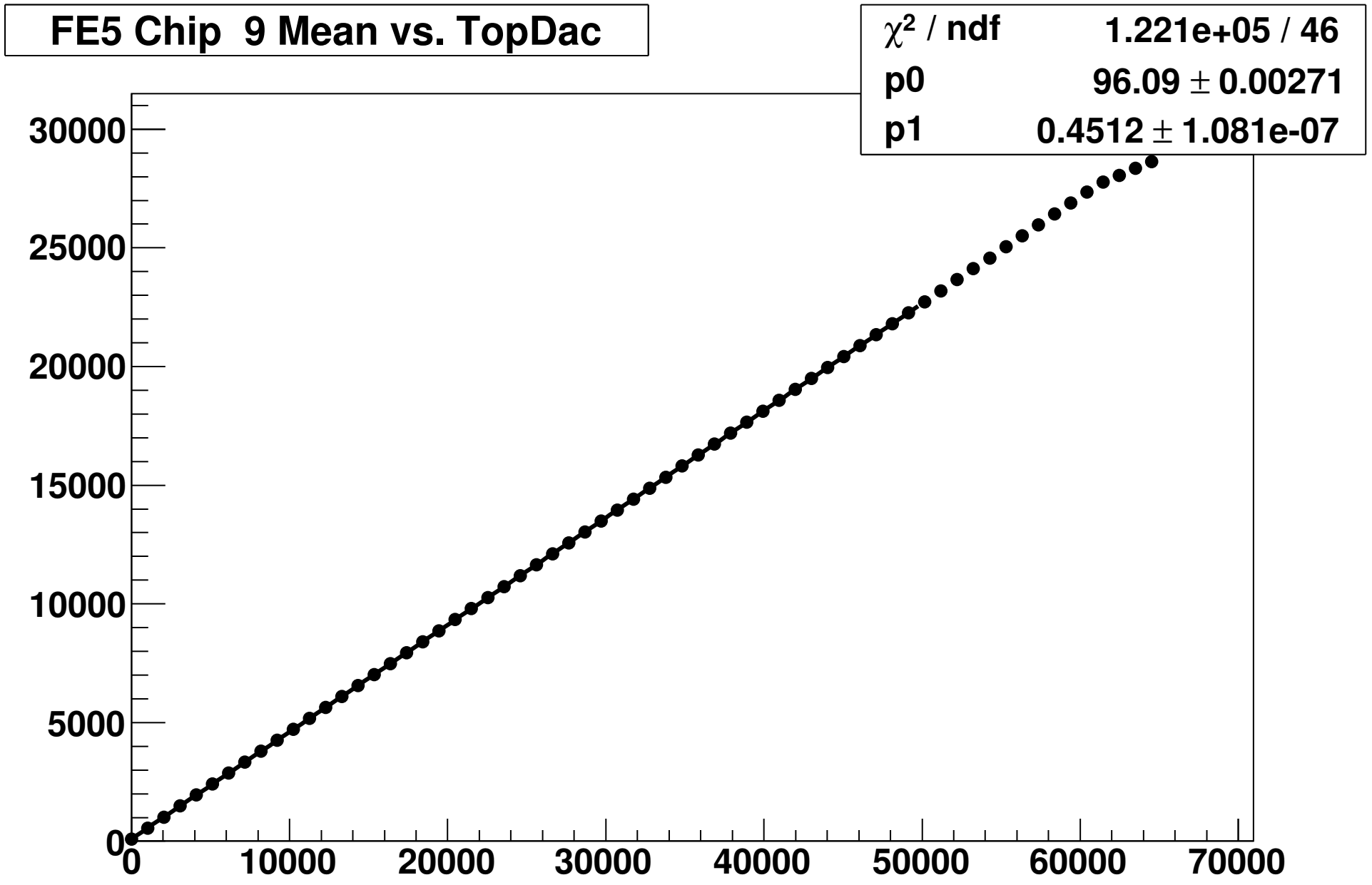
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.221e+05 / 46
p0 96.09 ± 0.00271
p1 0.4512 ± 1.081e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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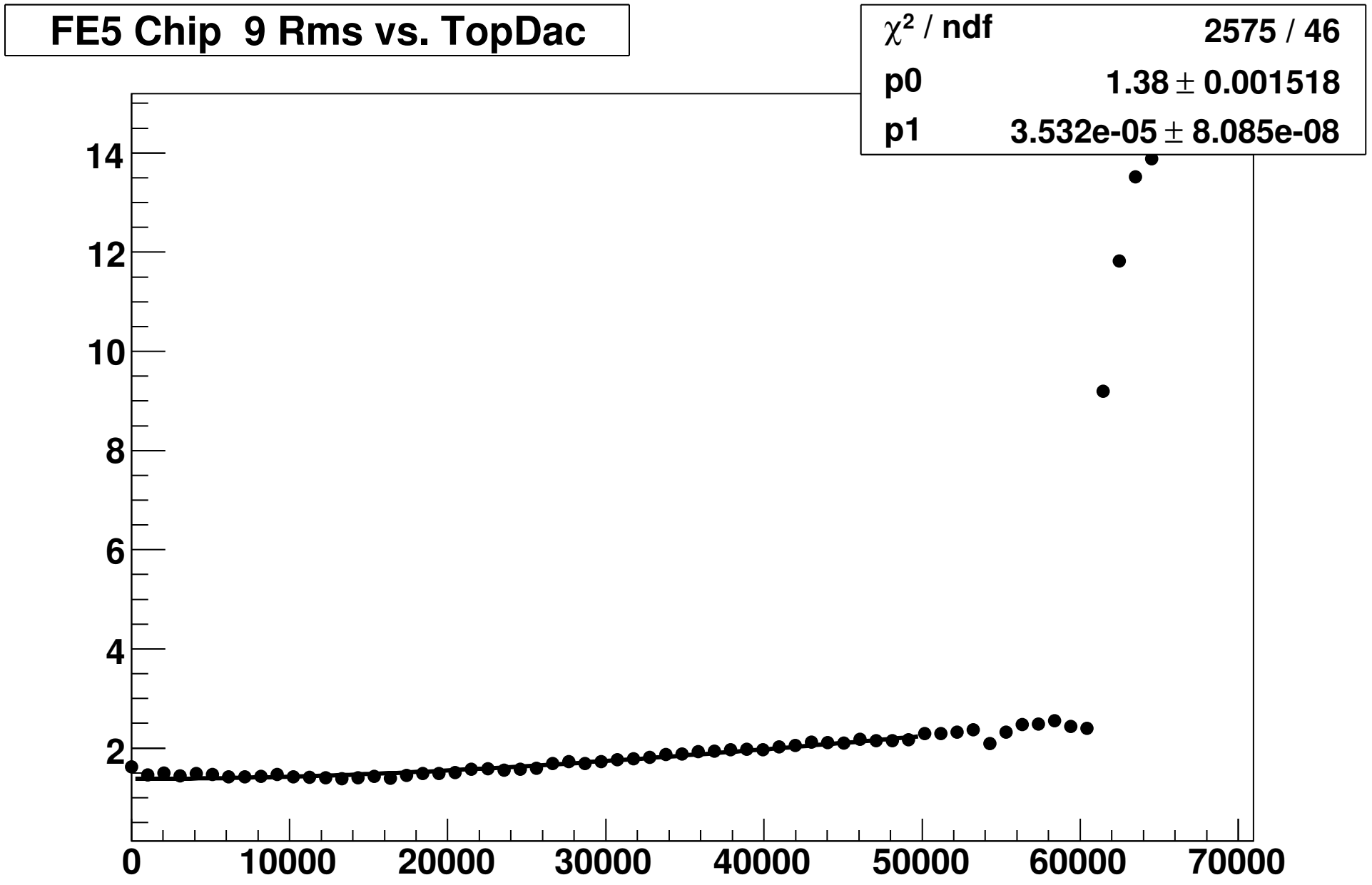
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 2575 / 46
p0 1.38 ± 0.001518
p1 3.532e-05 ± 8.085e-08
14
12
10
8
6
4
2
0
10000
20000
30000
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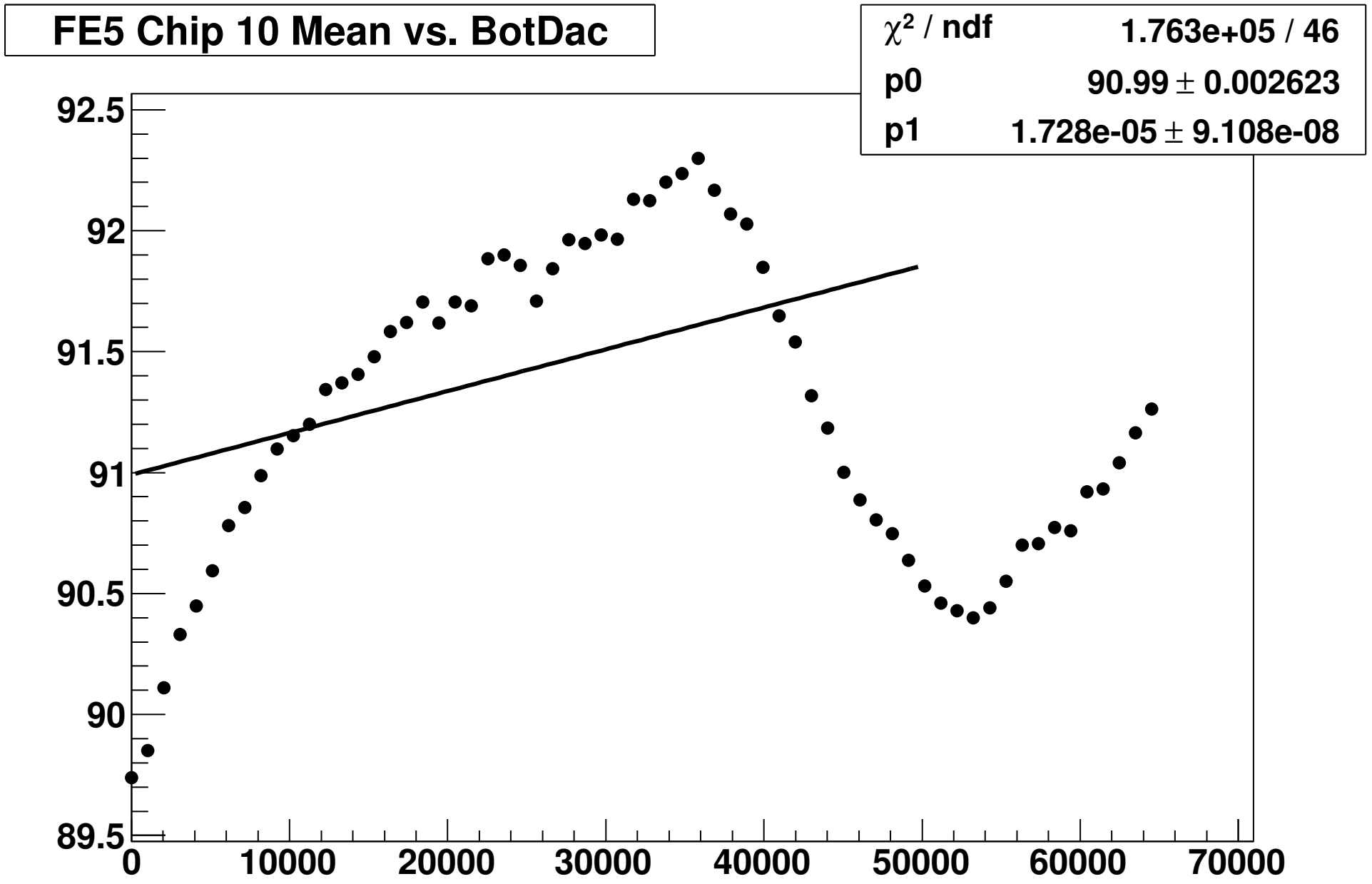
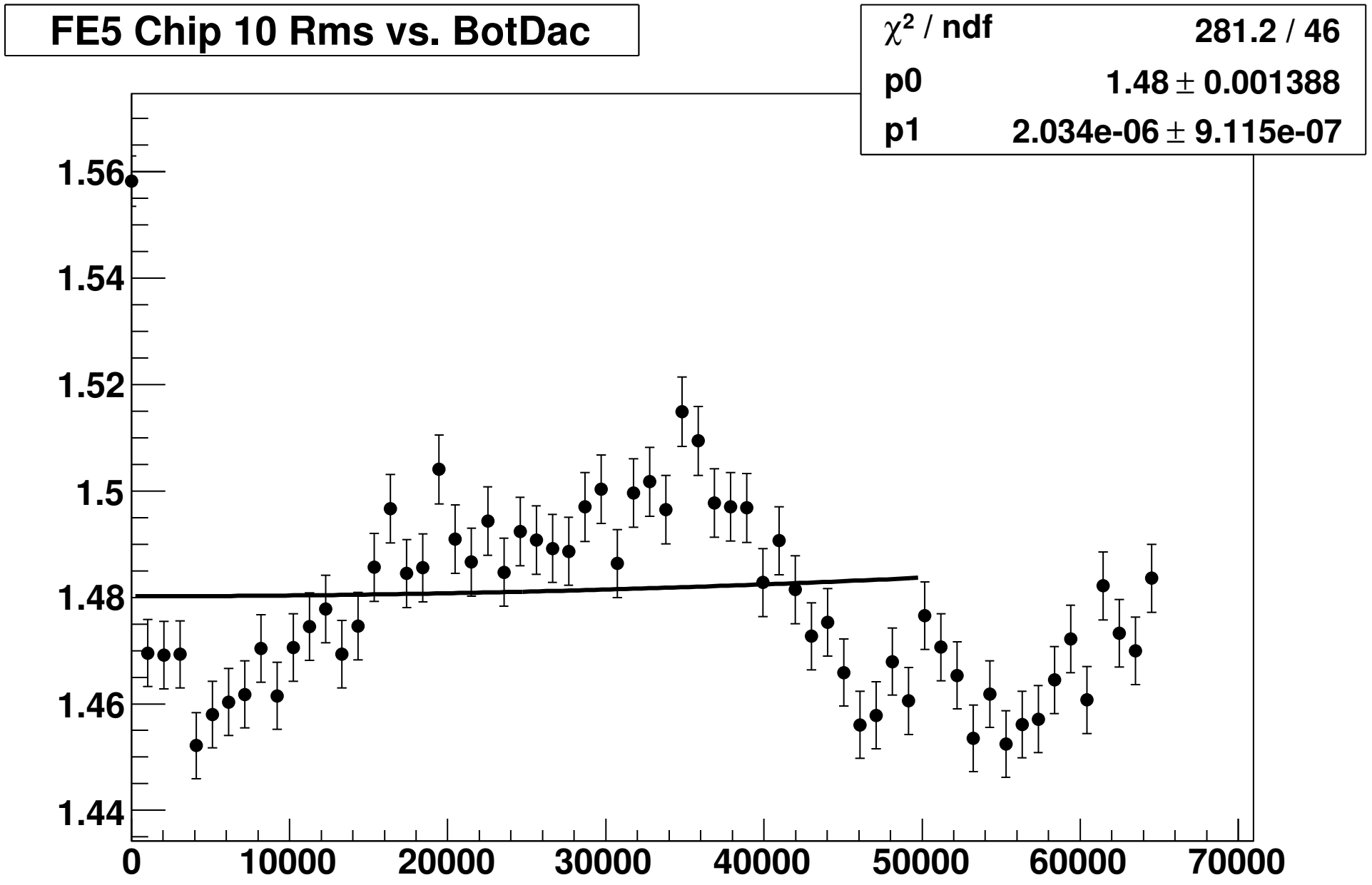

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 1.763e+05 / 46
p0 90.99 ± 0.002623
p1 1.728e-05 ± 9.108e-08
92.5
92
91.5
91
90.5
90
89.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 281.2 / 46
p0 1.48 ± 0.001388
p1 2.034e-06 ± 9.115e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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60000
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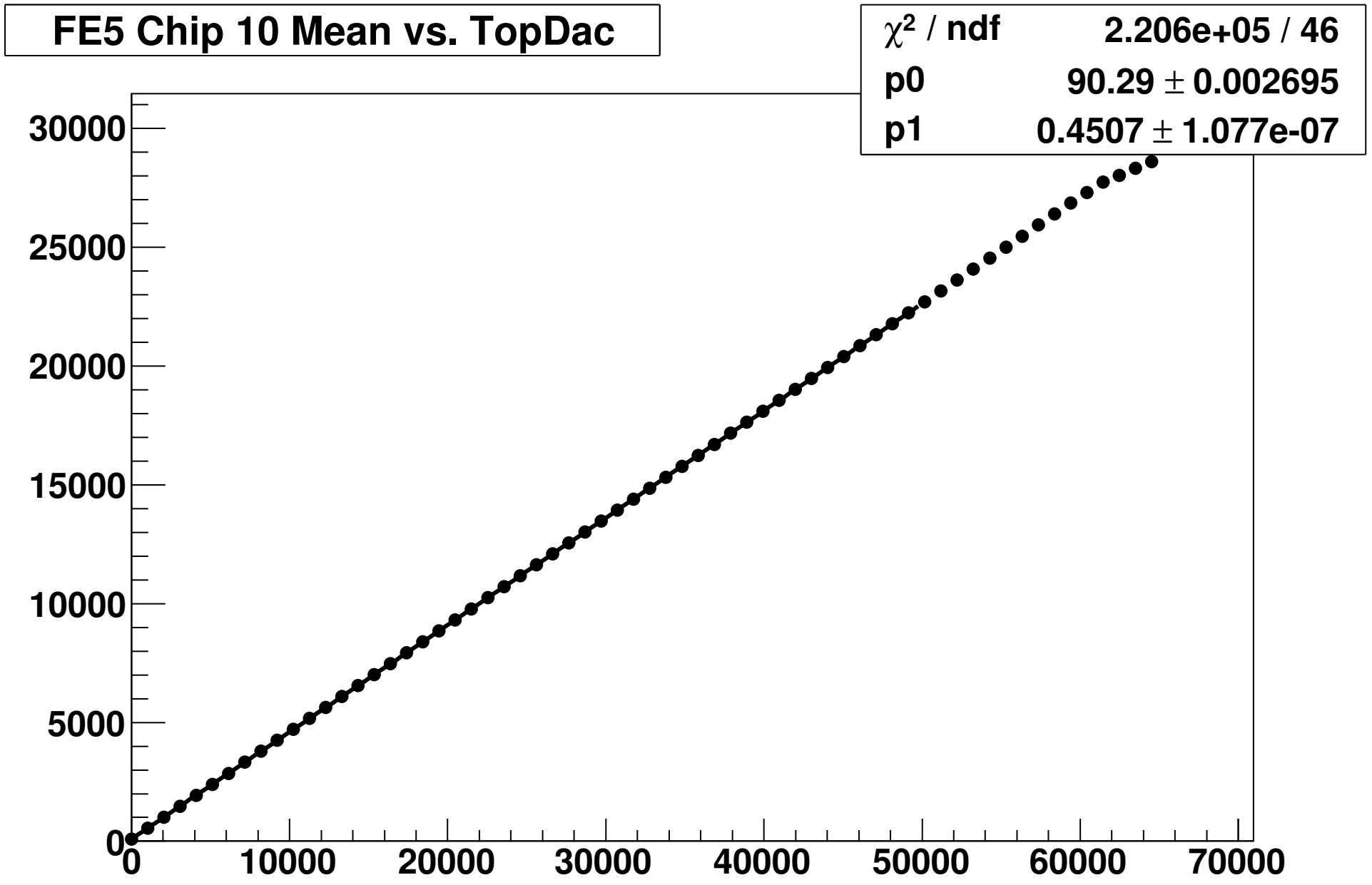
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 2.206e+05 / 46
p0 90.29 ± 0.002695
p1 0.4507 ± 1.077e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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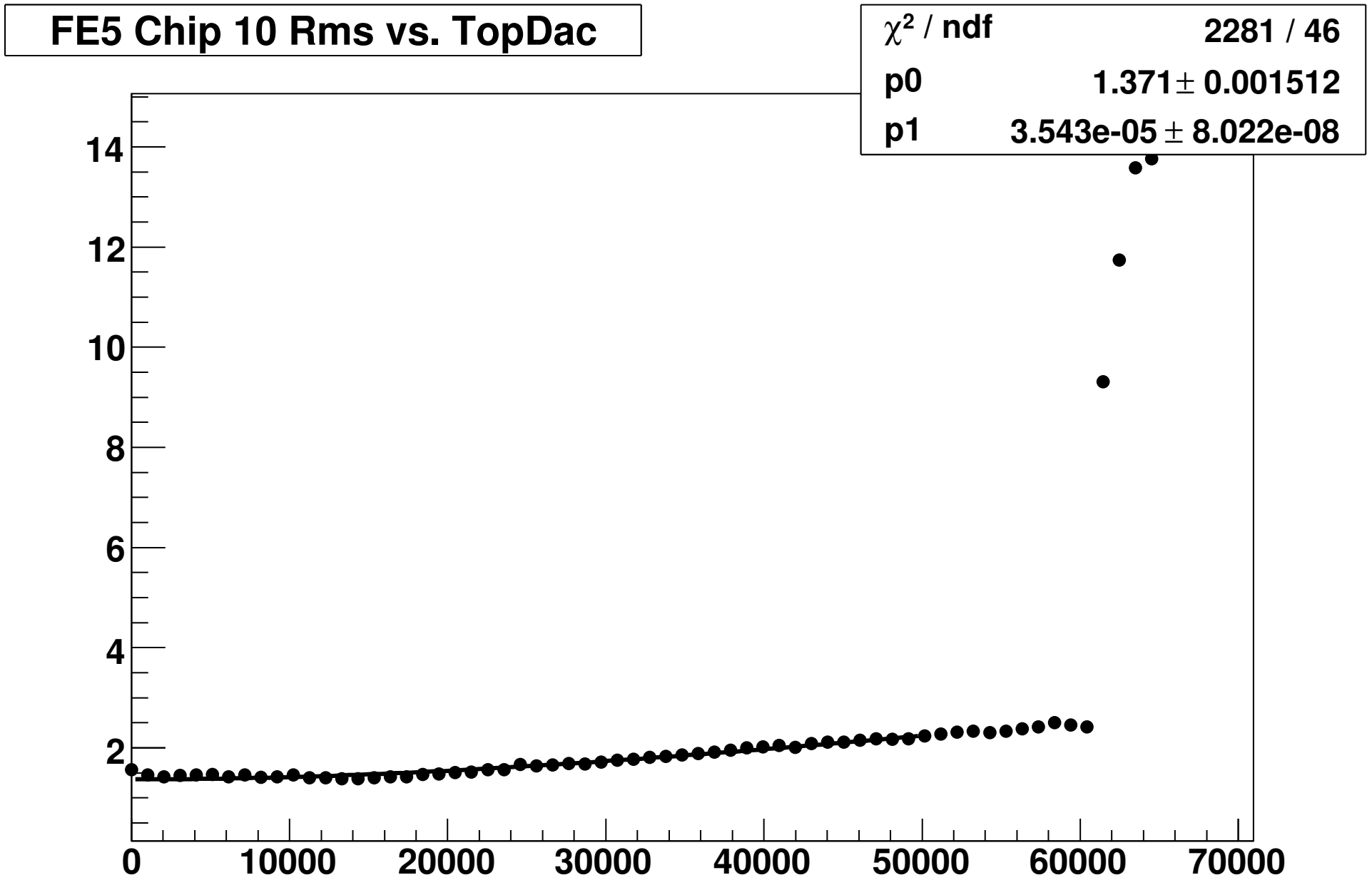
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 2281 / 46
p0 1.371 ± 0.001512
p1 3.543e-05 ± 8.022e-08
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12
10
8
6
4
2
0
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20000
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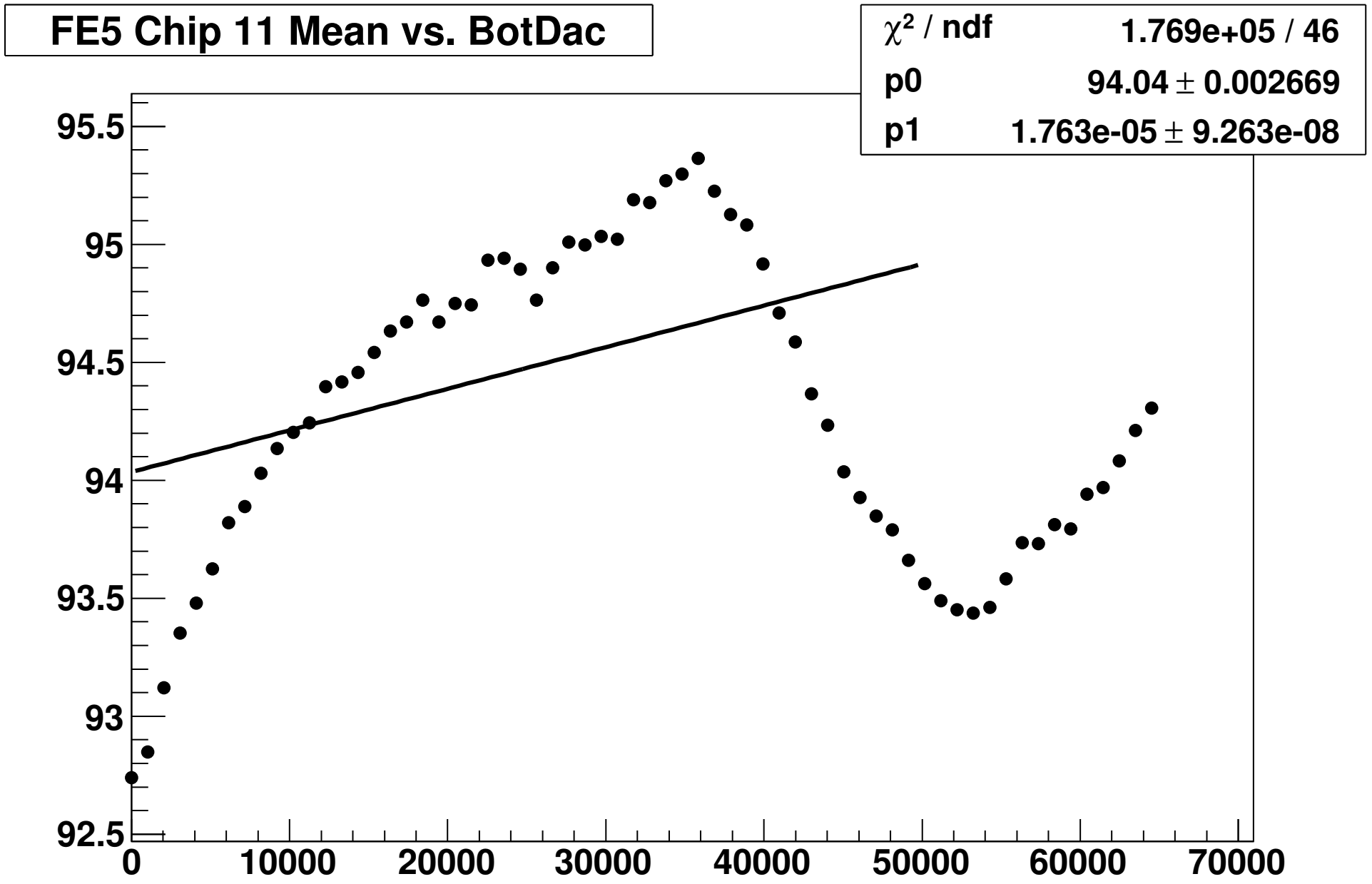
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1.769e+05 / 46
p0 94.04 ± 0.002669
p1 1.763e-05 ± 9.263e-08
95.5
95
94.5
94
93.5
93
92.5
0
10000
20000
30000
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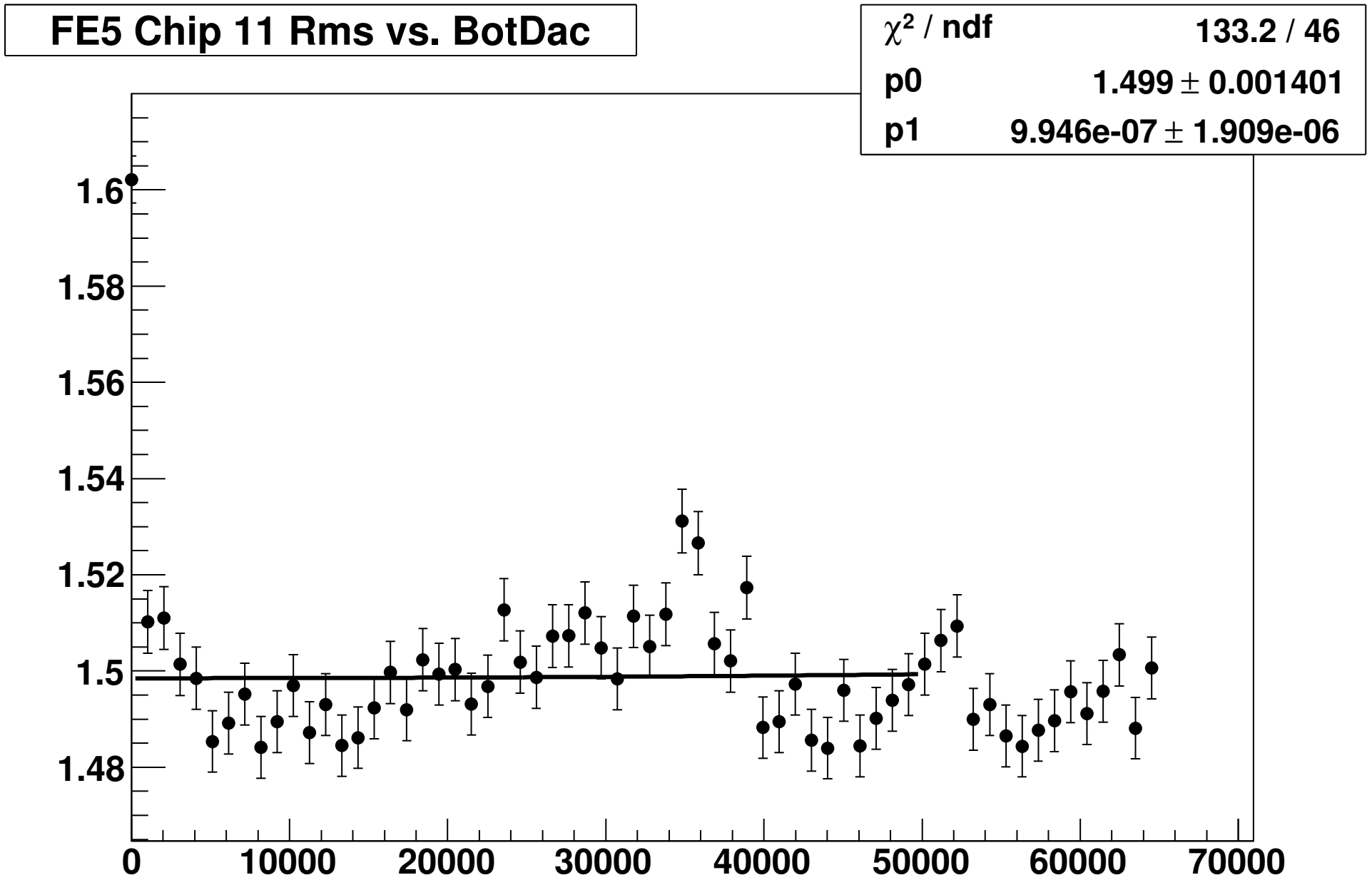
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 133.2 / 46
p0 1.499 ± 0.001401
p1 9.946e-07 ± 1.909e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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50000
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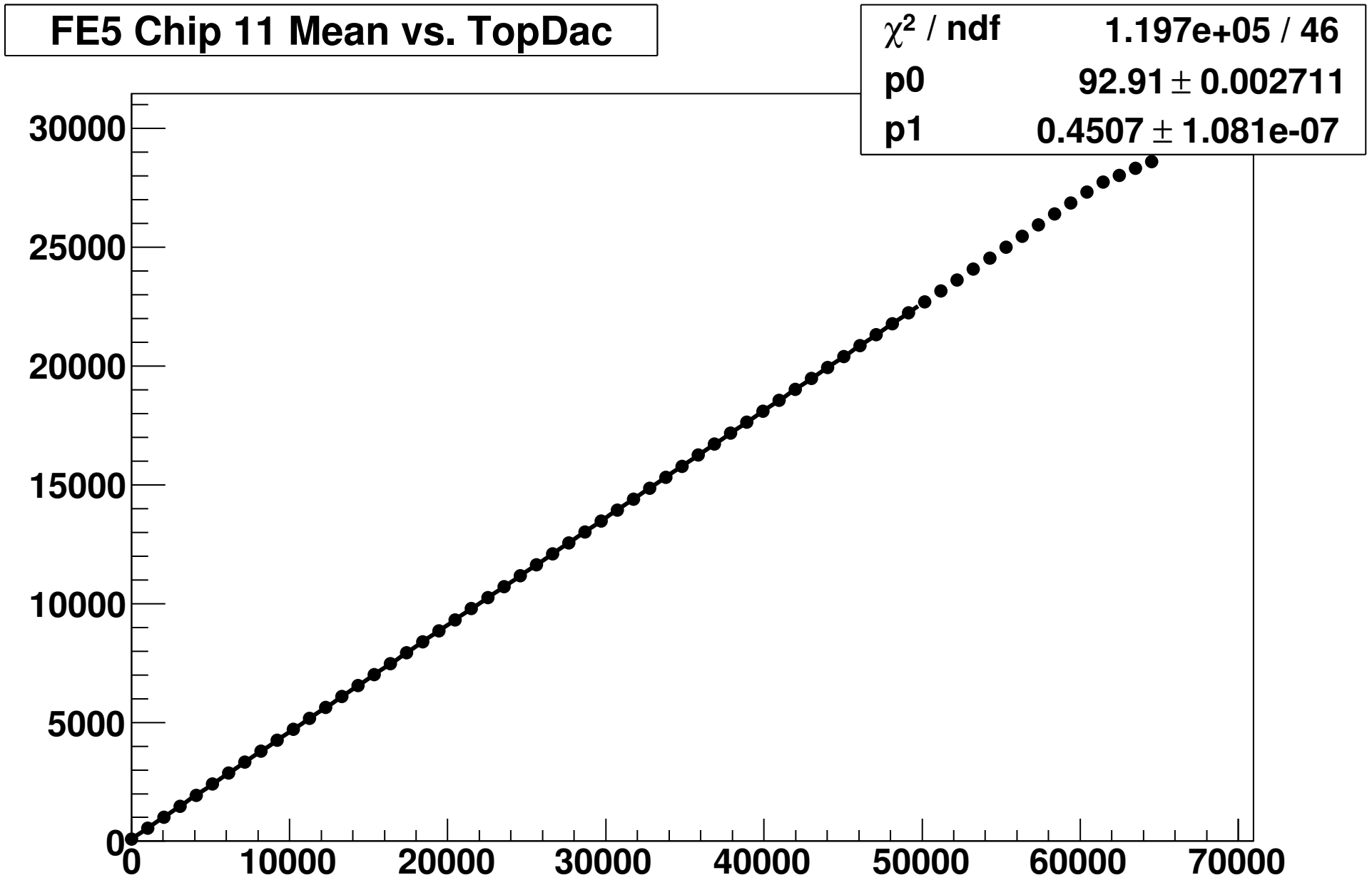
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.197e+05 / 46
p0 92.91 ± 0.002711
p1 0.4507 ± 1.081e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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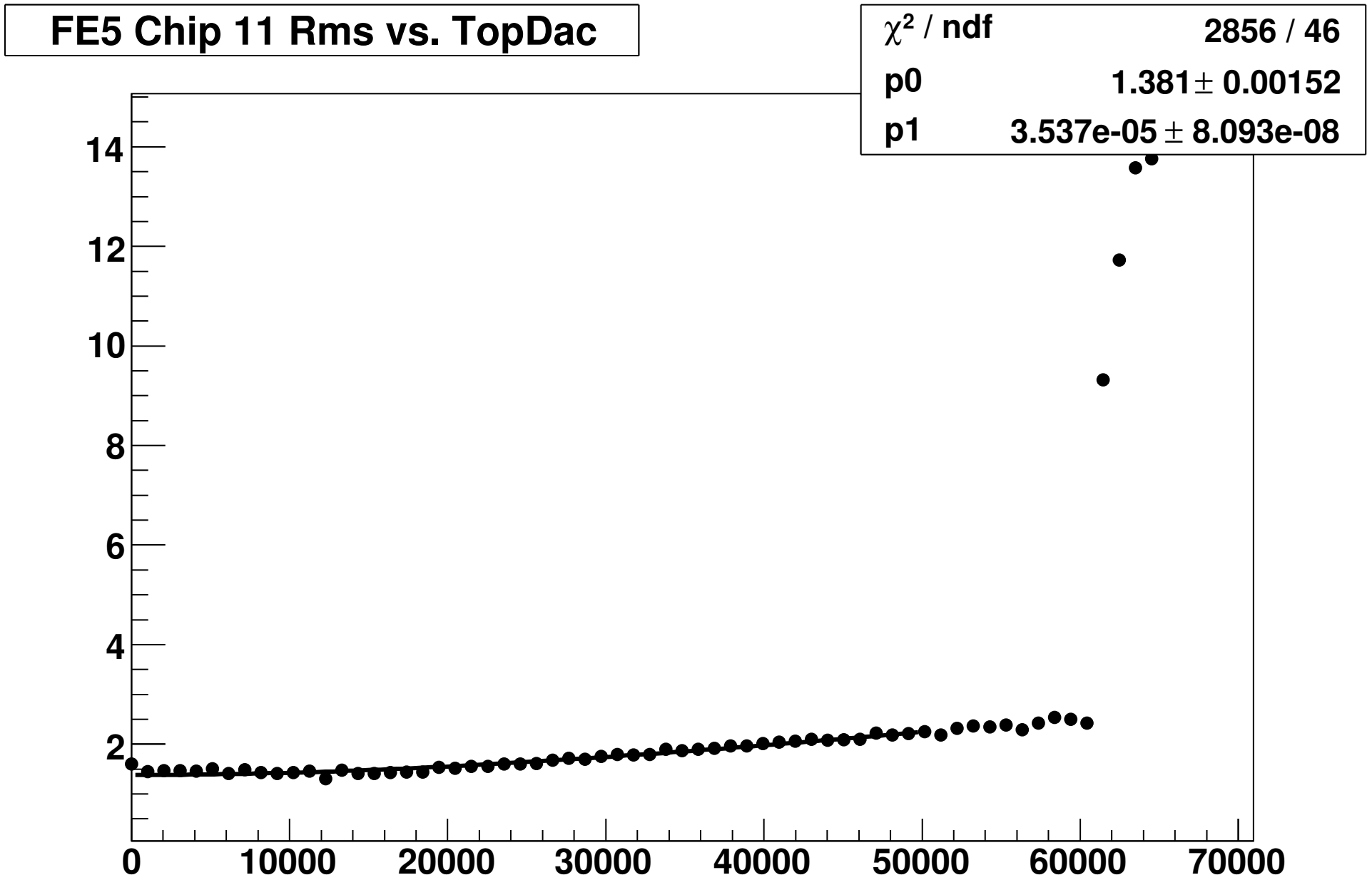
FE5 Chip 11 Rms vs. TopDac
χ² / ndf 2856 / 46
p0 1.381 ± 0.00152
p1 3.537e-05 ± 8.093e-08
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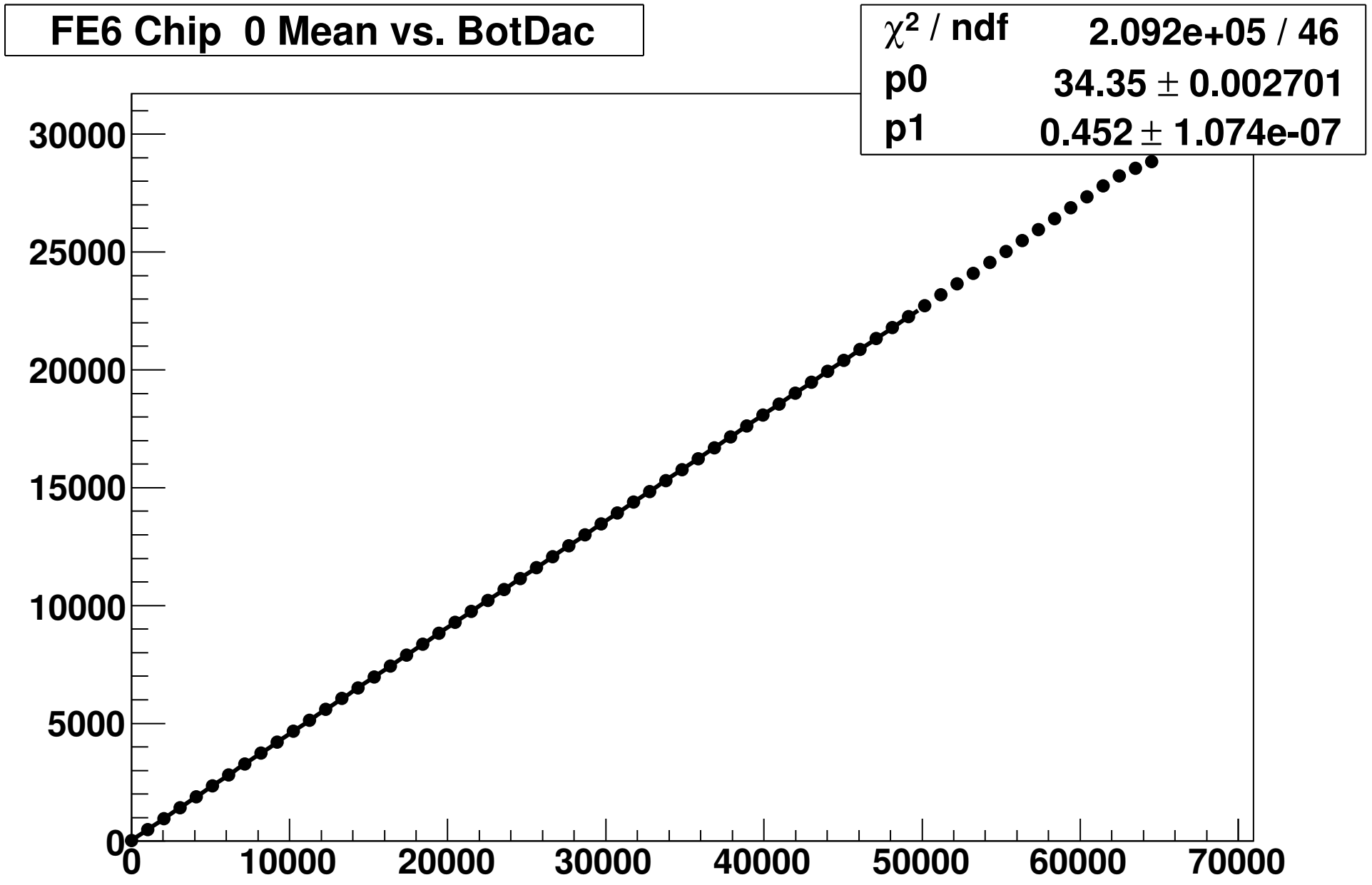
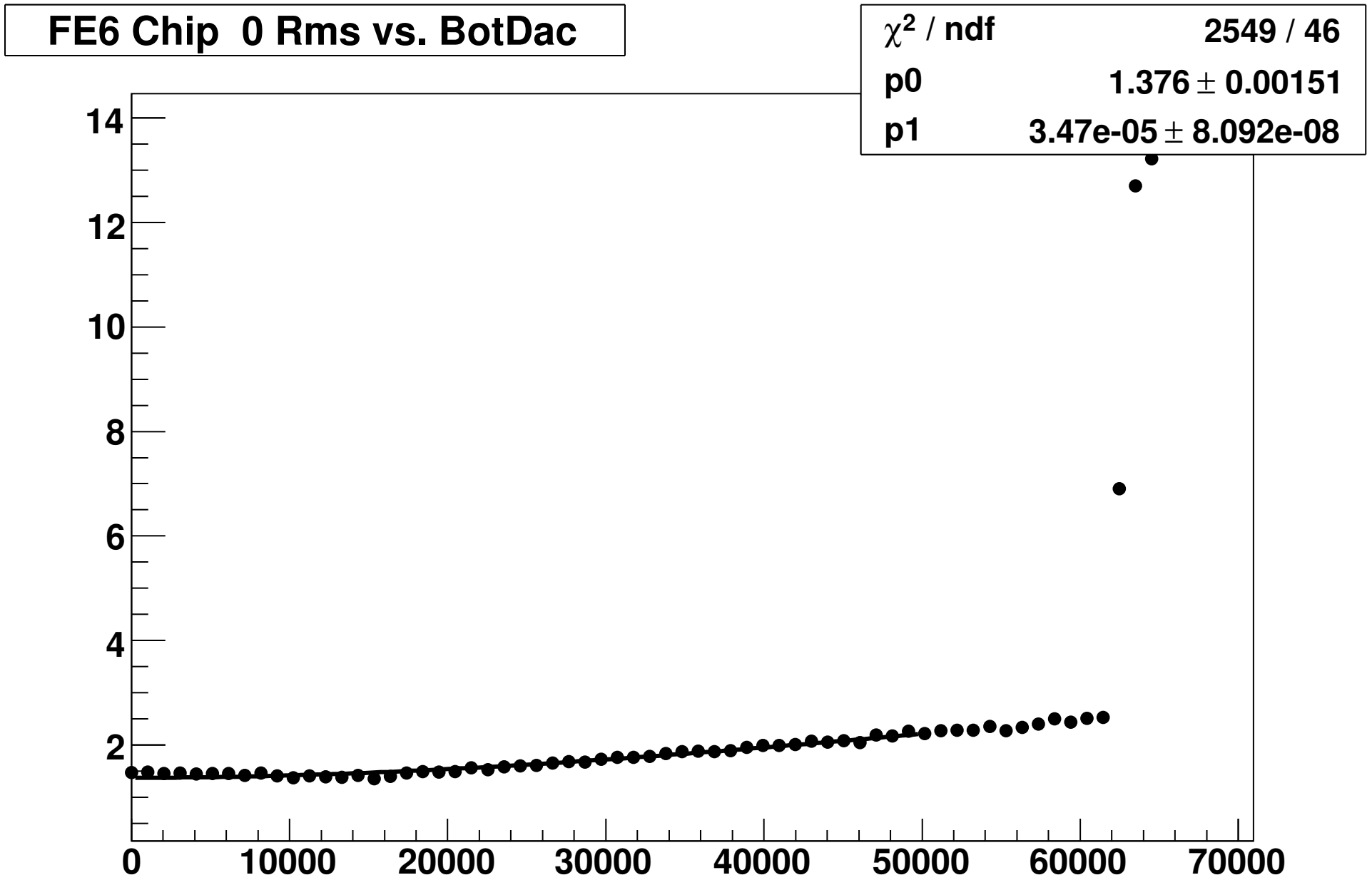
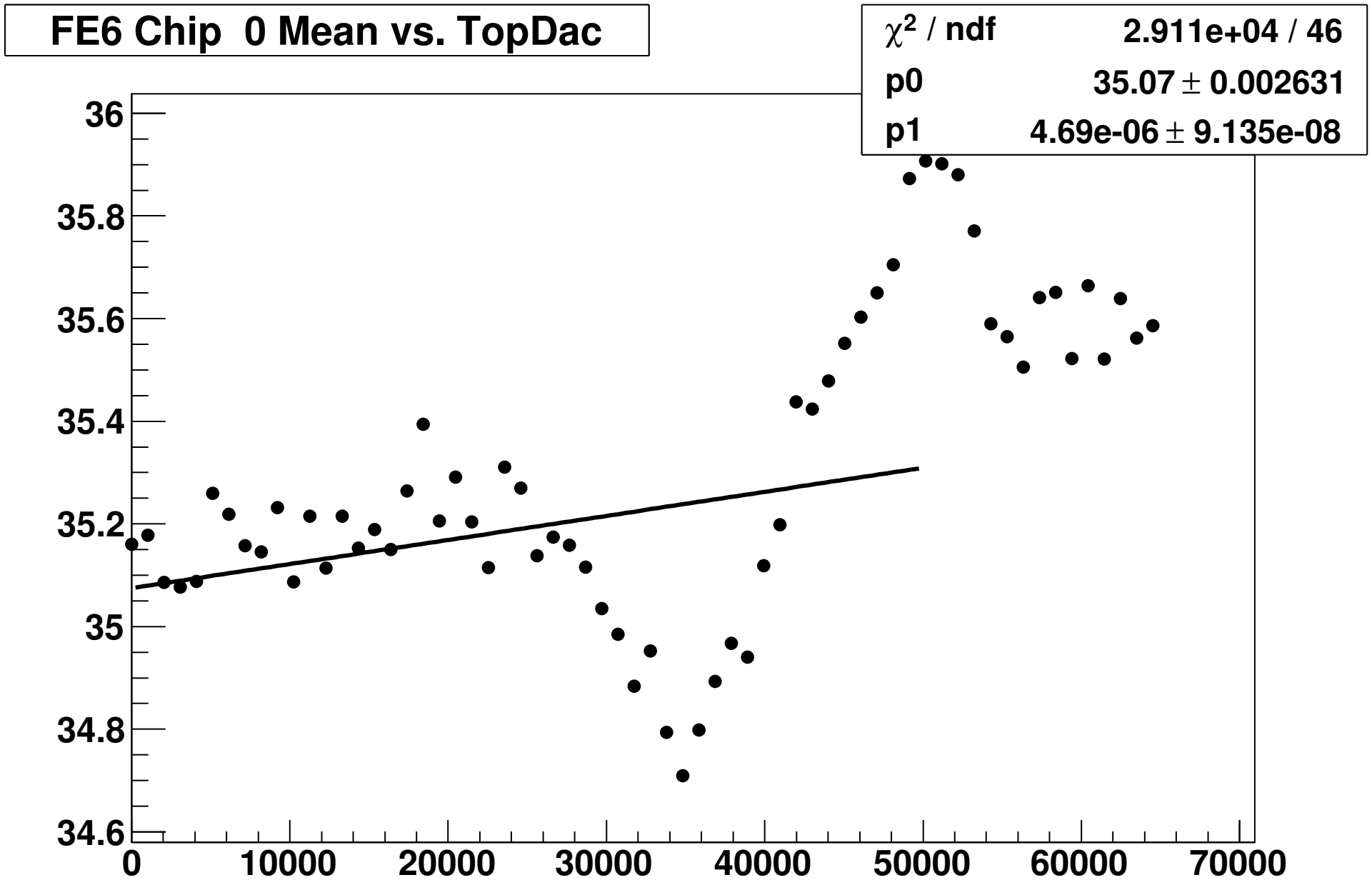
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 2.092e+05 / 46
p0 34.35 ± 0.002701
p1 0.452 ± 1.074e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 2549 / 46
p0 1.376 ± 0.00151
p1 3.47e-05 ± 8.092e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 2.911e+04 / 46
p0 35.07 ± 0.002631
p1 4.69e-06 ± 9.135e-08
36
35.8
35.6
35.4
35.2
35
34.8
34.6
0
10000
20000
30000
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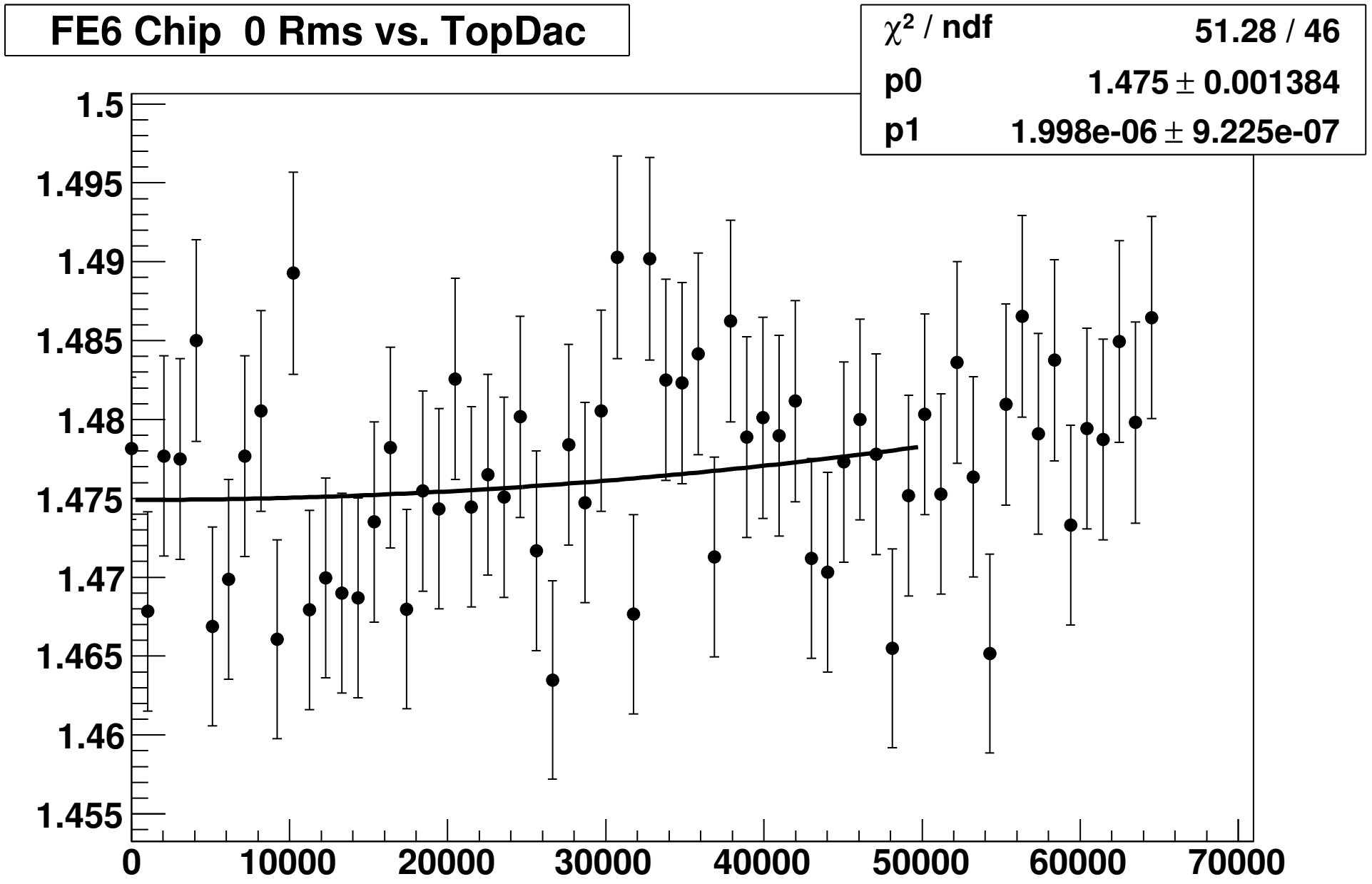
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 51.28 / 46
p0 1.475 ± 0.001384
p1 1.998e-06 ± 9.225e-07
1.5
1.495
1.49
1.485
1.48
1.475
1.47
1.465
1.46
1.455
0
10000
20000
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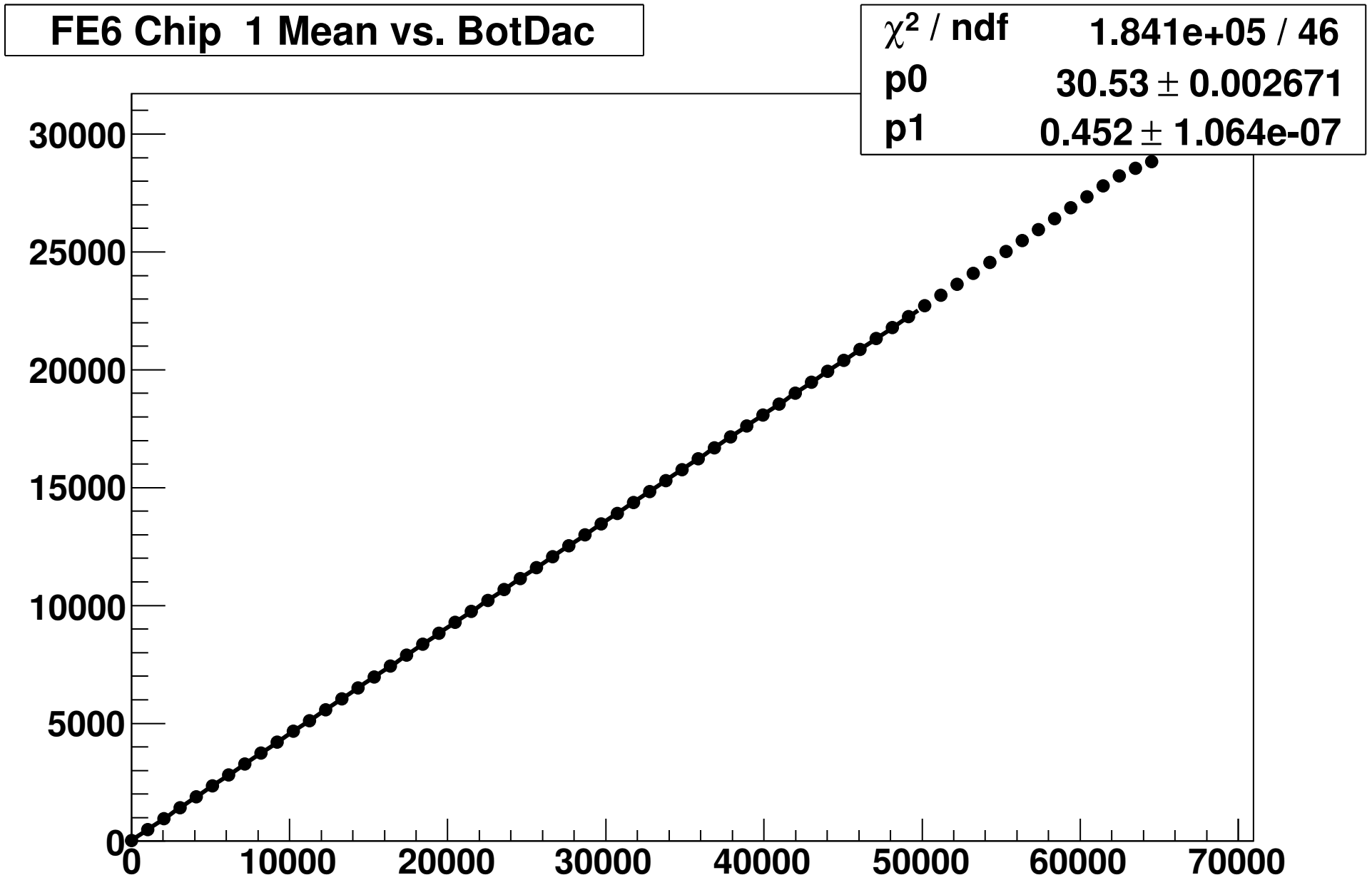
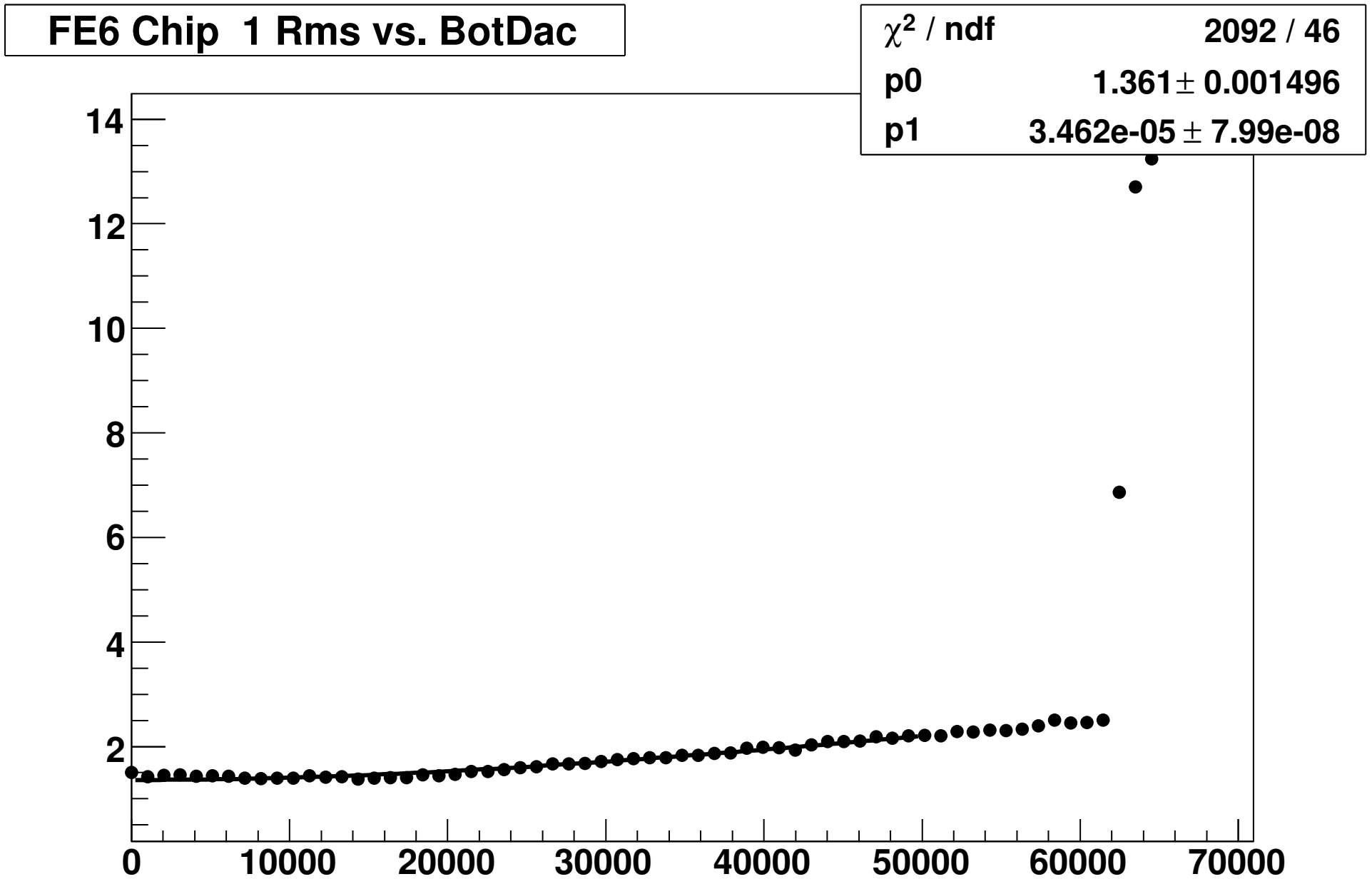
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.841e+05 / 46
p0 30.53 ± 0.002671
p1 0.452 ± 1.064e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 2092 / 46
p0 1.361 ± 0.001496
p1 3.462e-05 ± 7.99e-08
14
12
10
8
6
4
2
0
10000
20000
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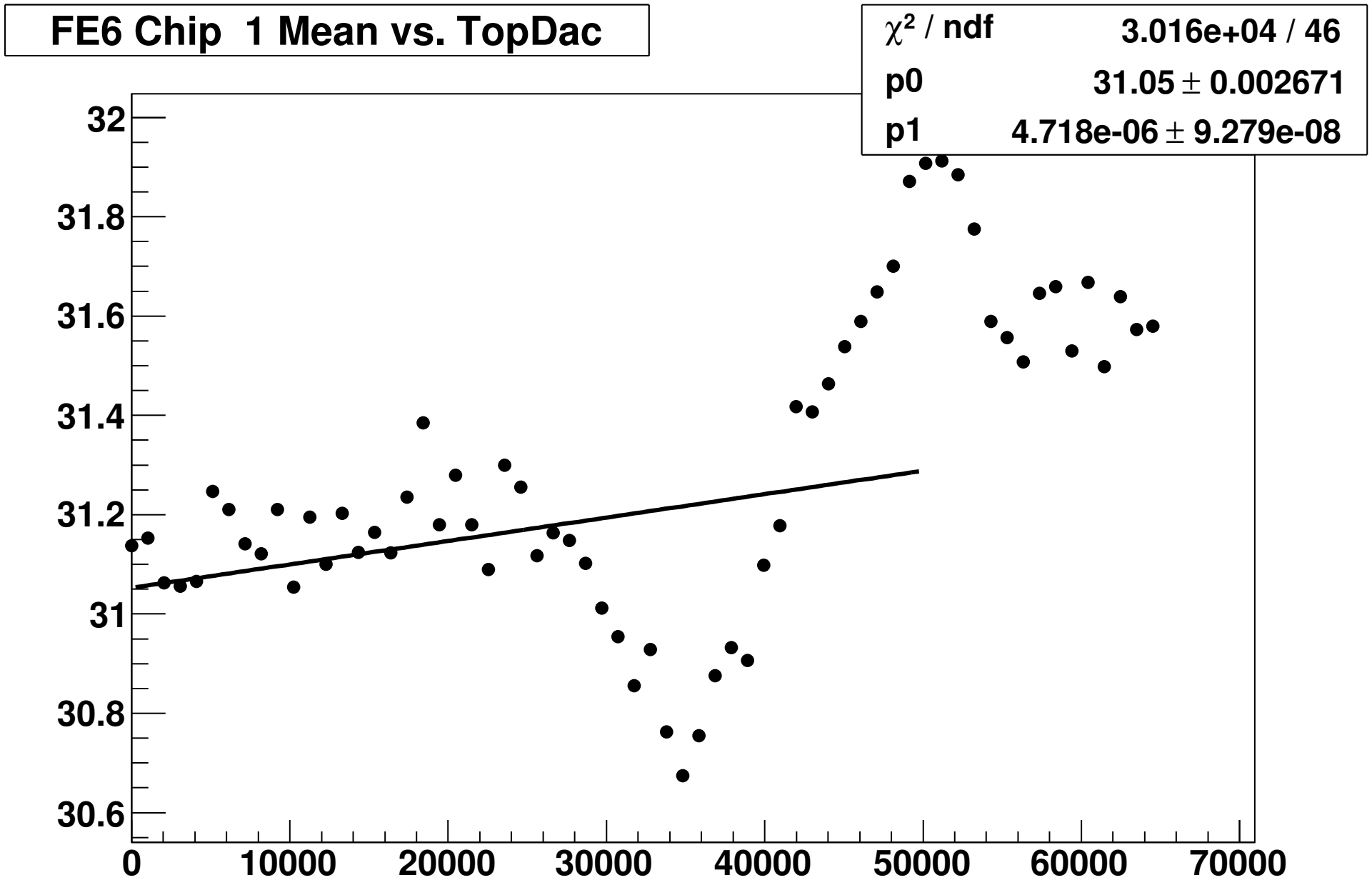
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 3.016e+04 / 46
p0 31.05 ± 0.002671
p1 4.718e-06 ± 9.279e-08
32
31.8
31.6
31.4
31.2
31
30.8
30.6
0
10000
20000
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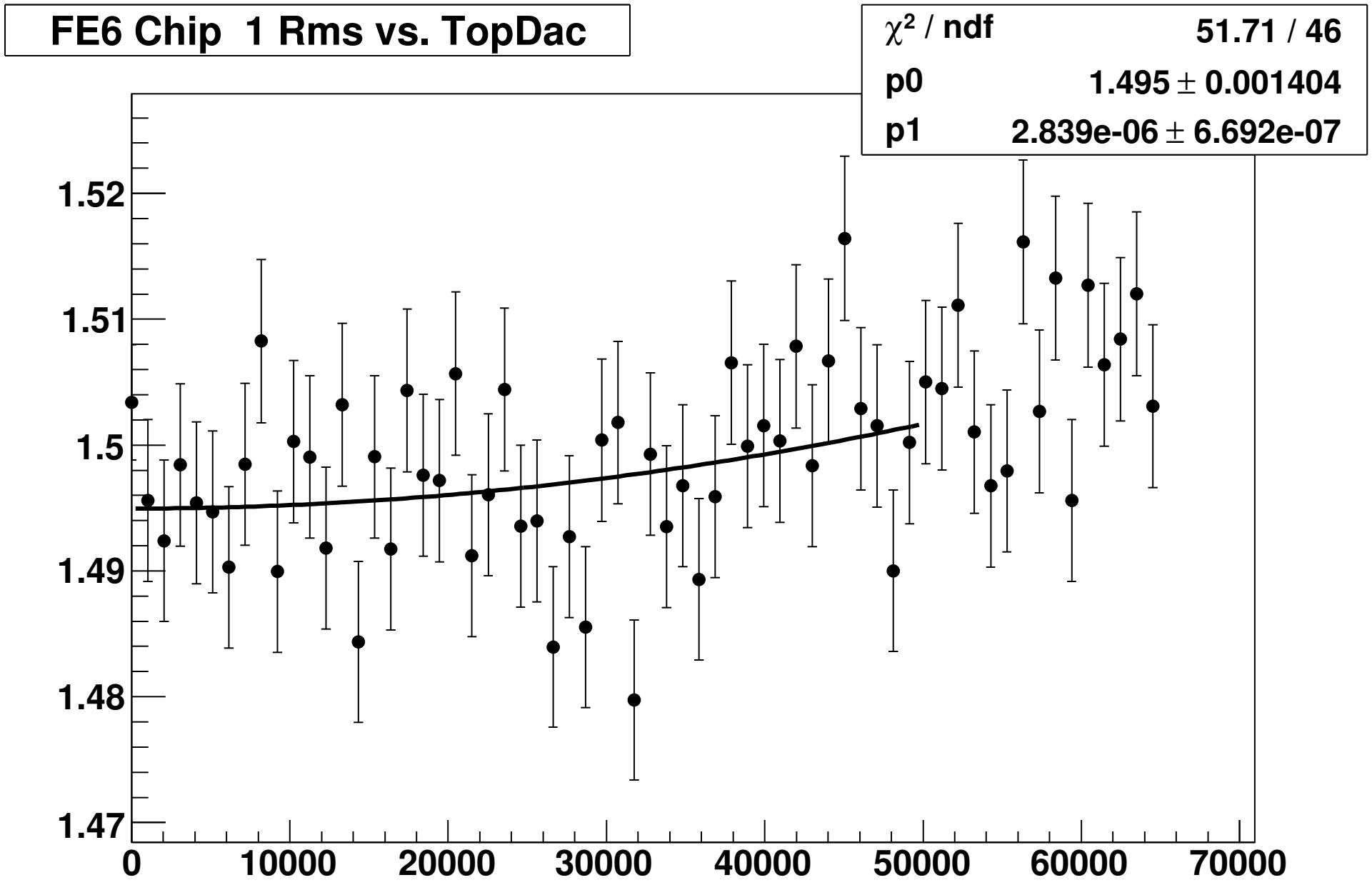
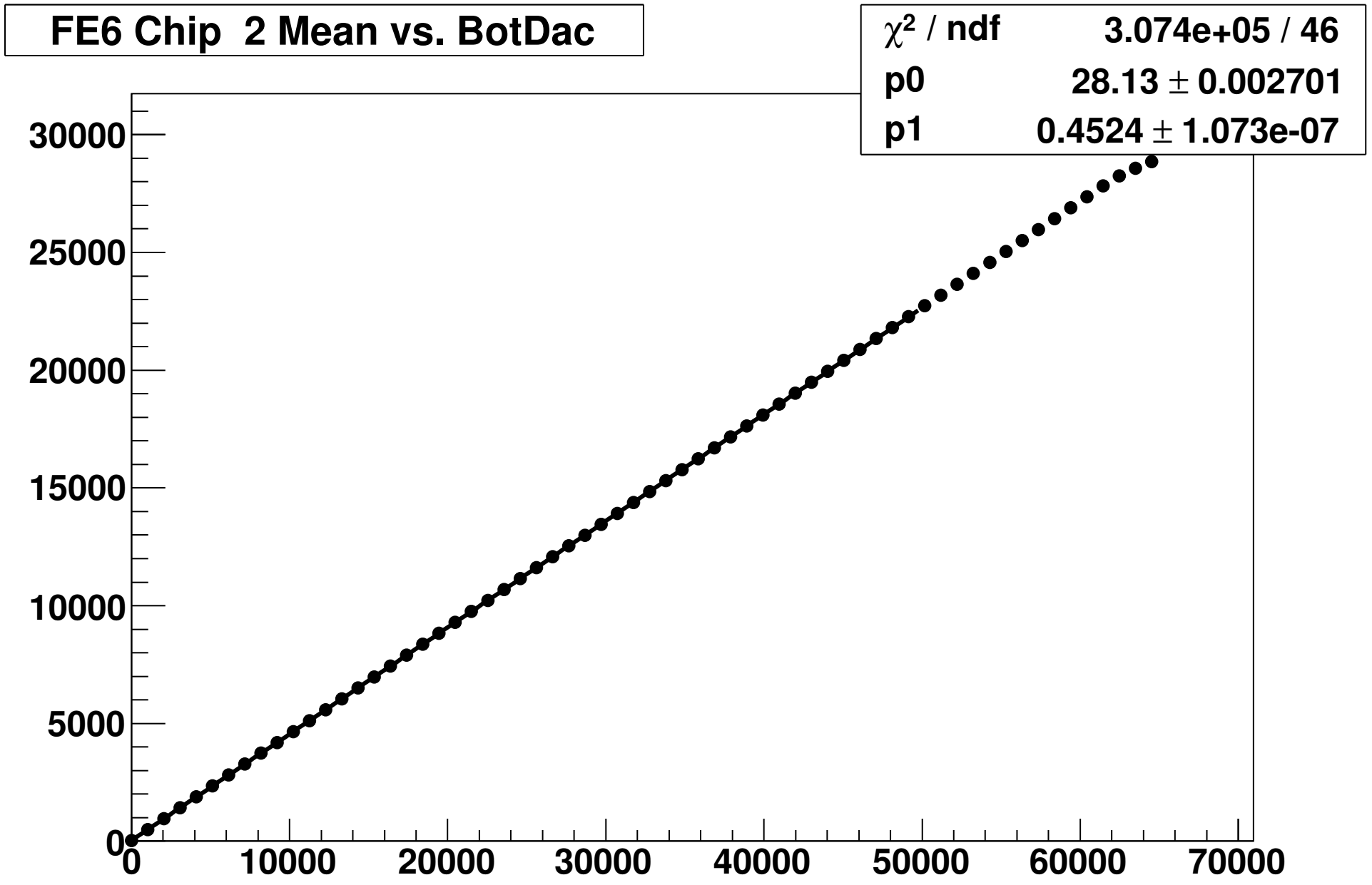
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 51.71 / 46
p0 1.495 ± 0.001404
p1 2.839e-06 ± 6.692e-07
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 3.074e+05 / 46
p0 28.13 ± 0.002701
p1 0.4524 ± 1.073e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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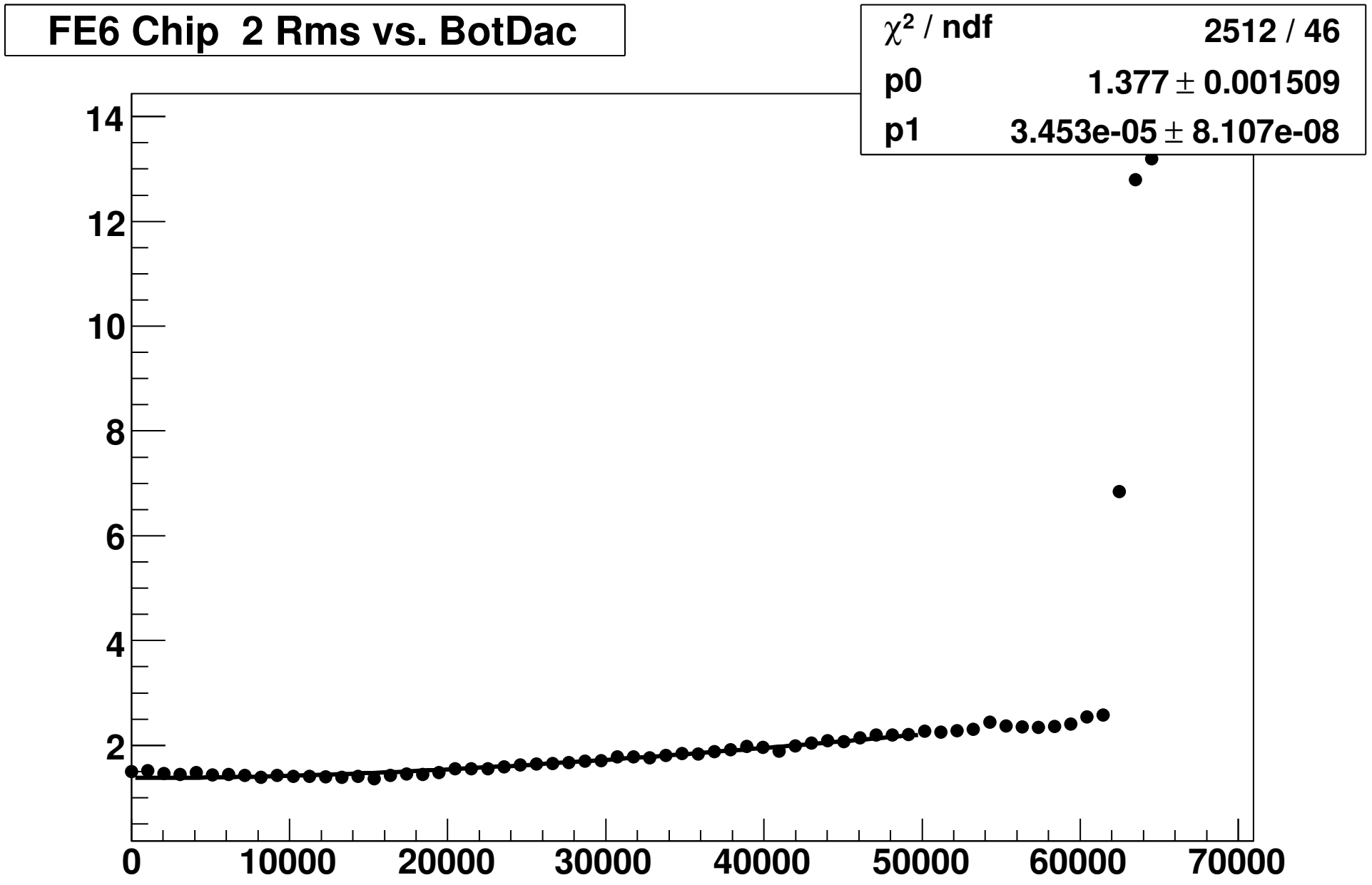
FE6 Chip 2 Rms vs. BotDac
χ² / ndf 2512 / 46
p0 1.377 ± 0.001509
p1 3.453e-05 ± 8.107e-08
14
12
10
8
6
4
2
0
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20000
30000
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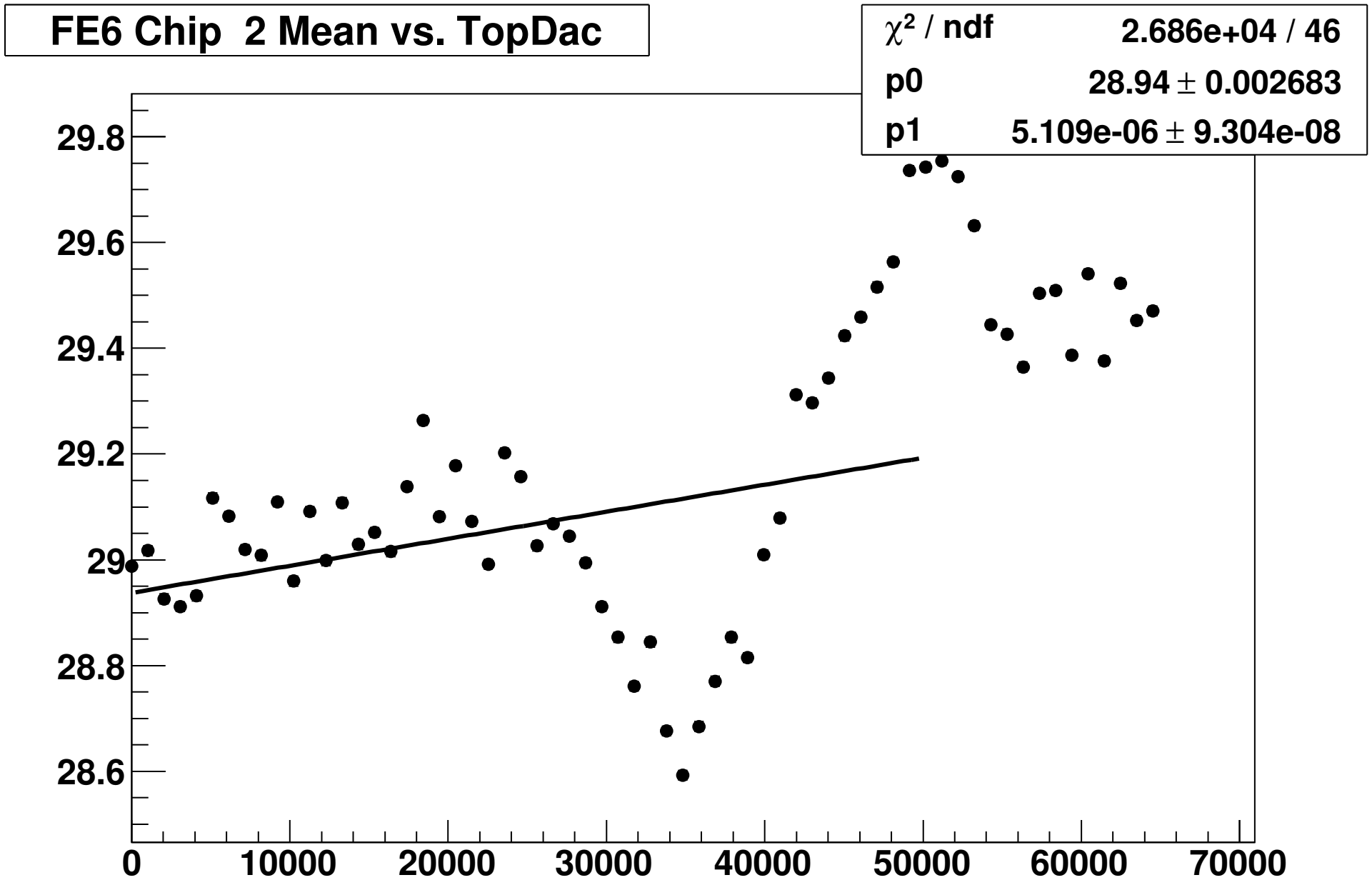
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 2.686e+04 / 46
p0 28.94 ± 0.002683
p1 5.109e-06 ± 9.304e-08
29.8
29.6
29.4
29.2
29
28.8
28.6
0
10000
20000
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40000
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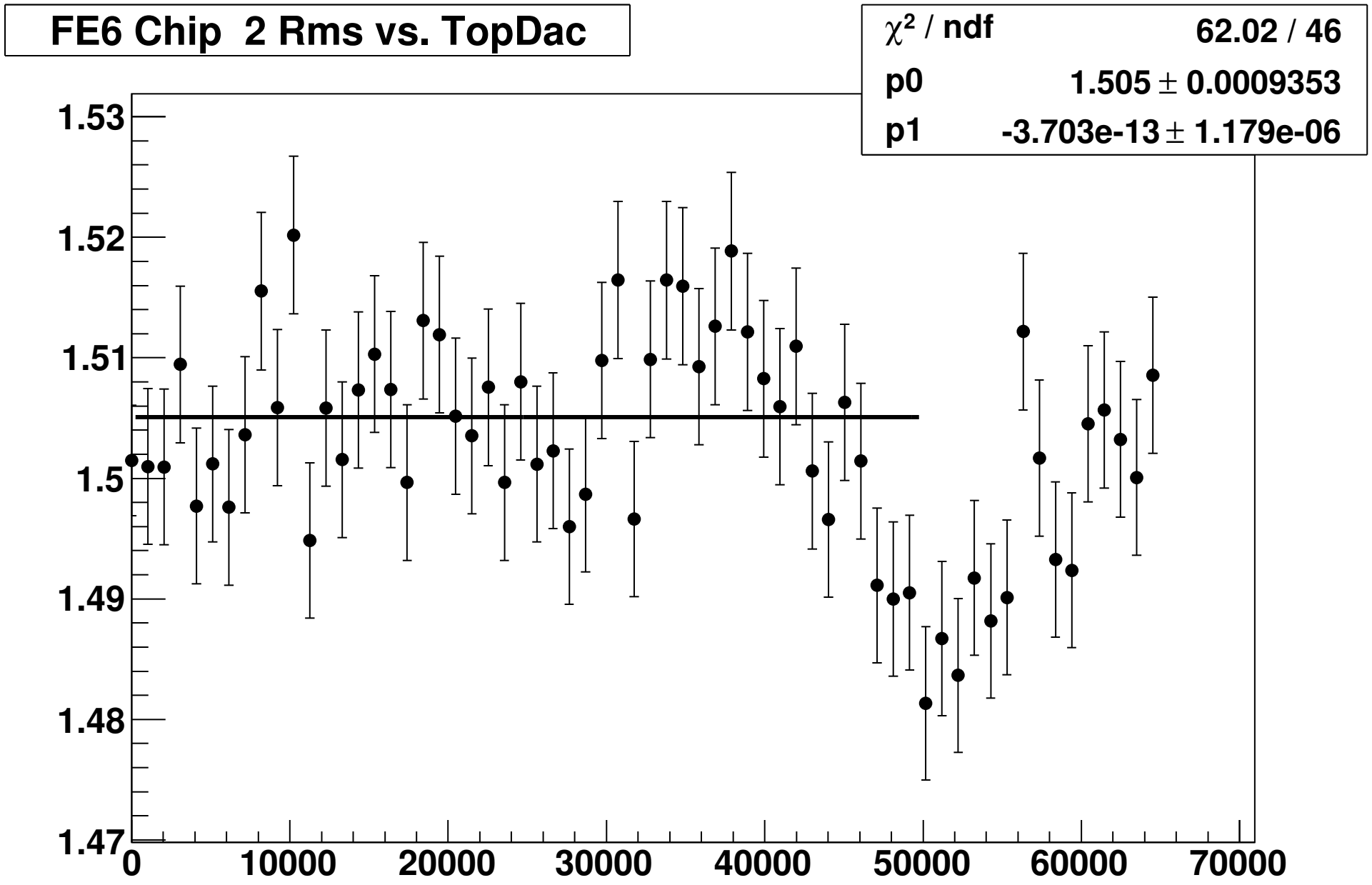
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 62.02 / 46
p0 1.505 ± 0.0009353
p1 -3.703e-13 ± 1.179e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
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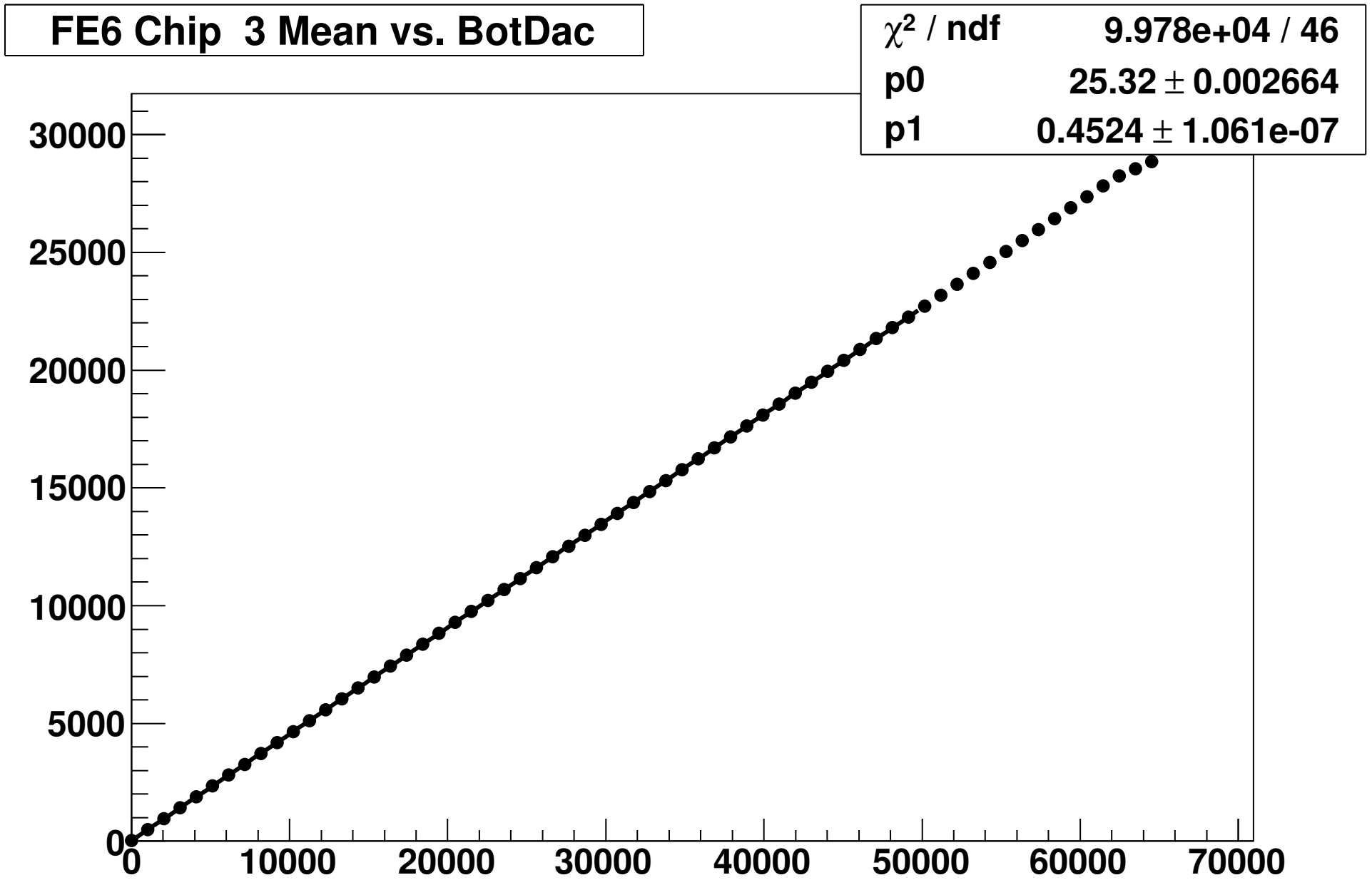
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.978e+04 / 46
p0 25.32 ± 0.002664
p1 0.4524 ± 1.061e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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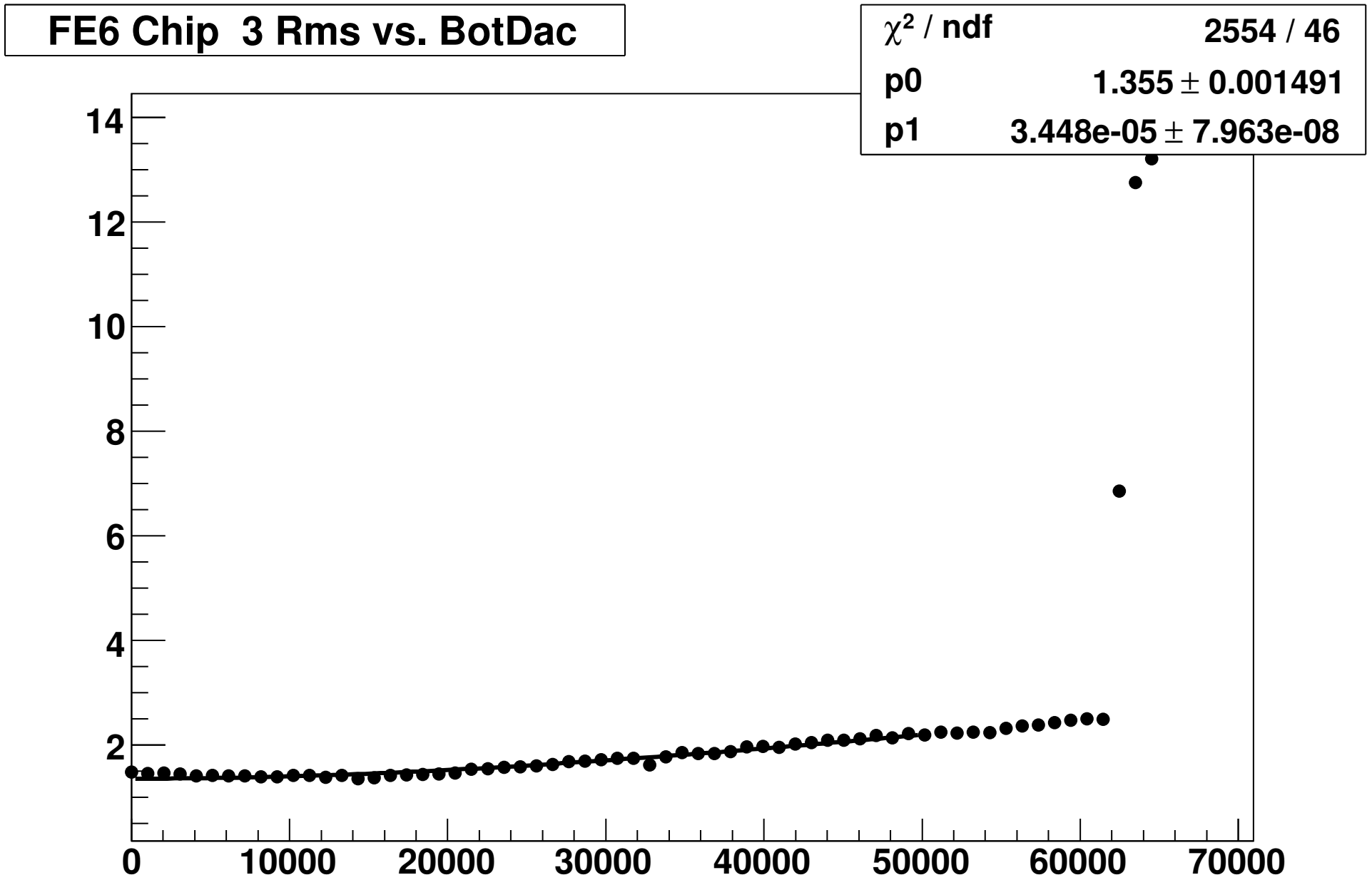
FE6 Chip 3 Rms vs. BotDac
χ² / ndf 2554 / 46
p0 1.355 ± 0.001491
p1 3.448e-05 ± 7.963e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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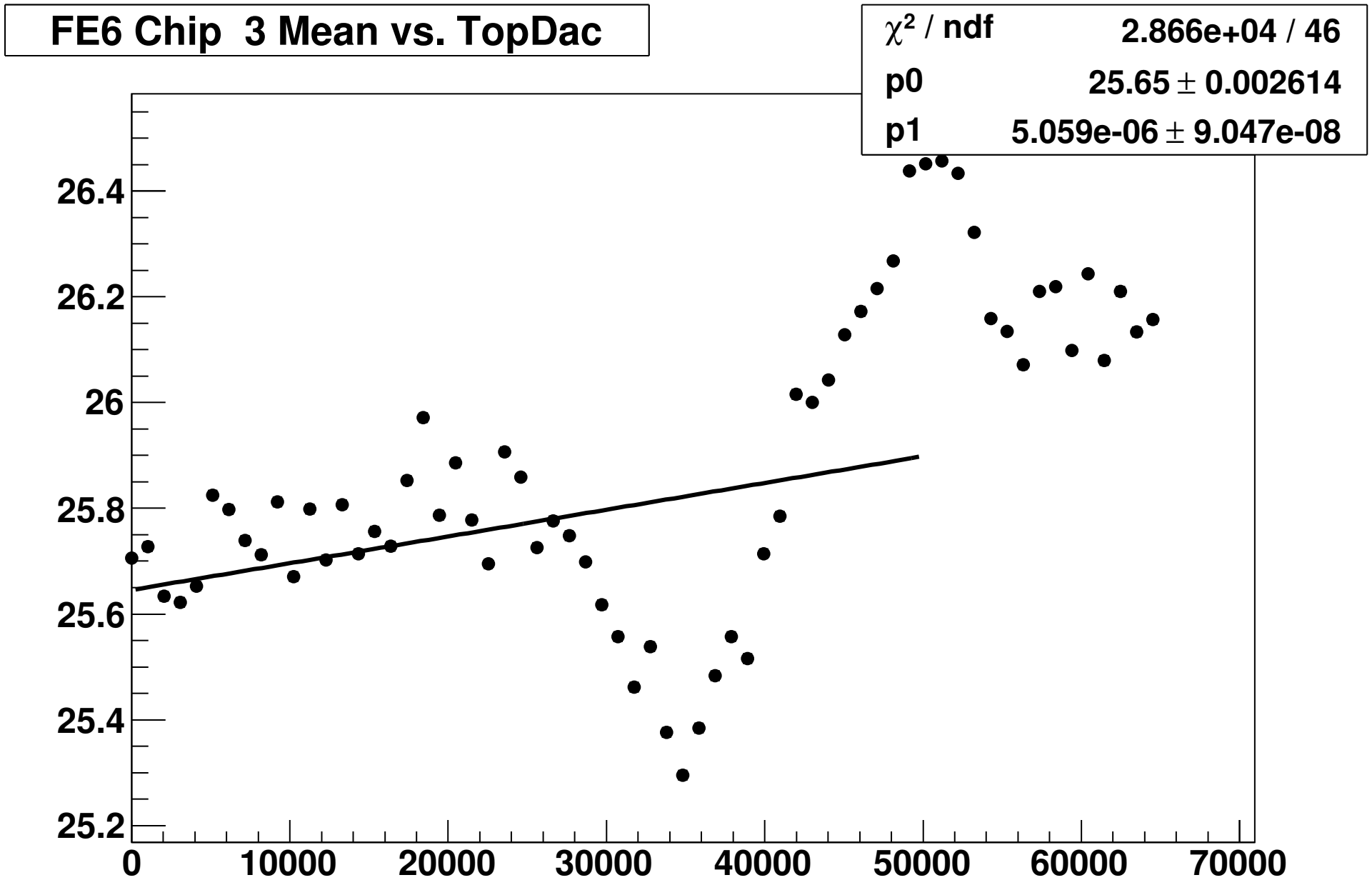
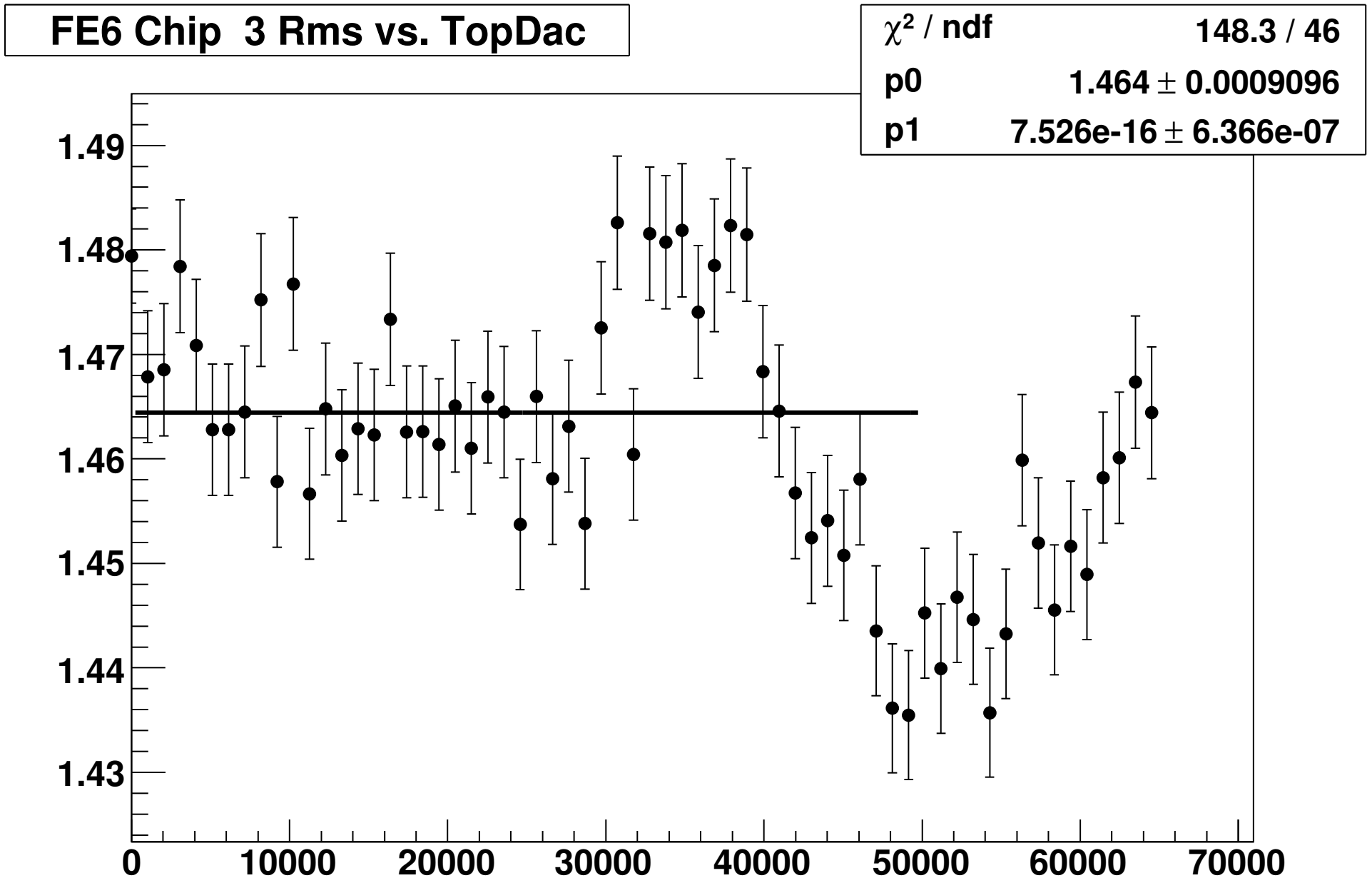
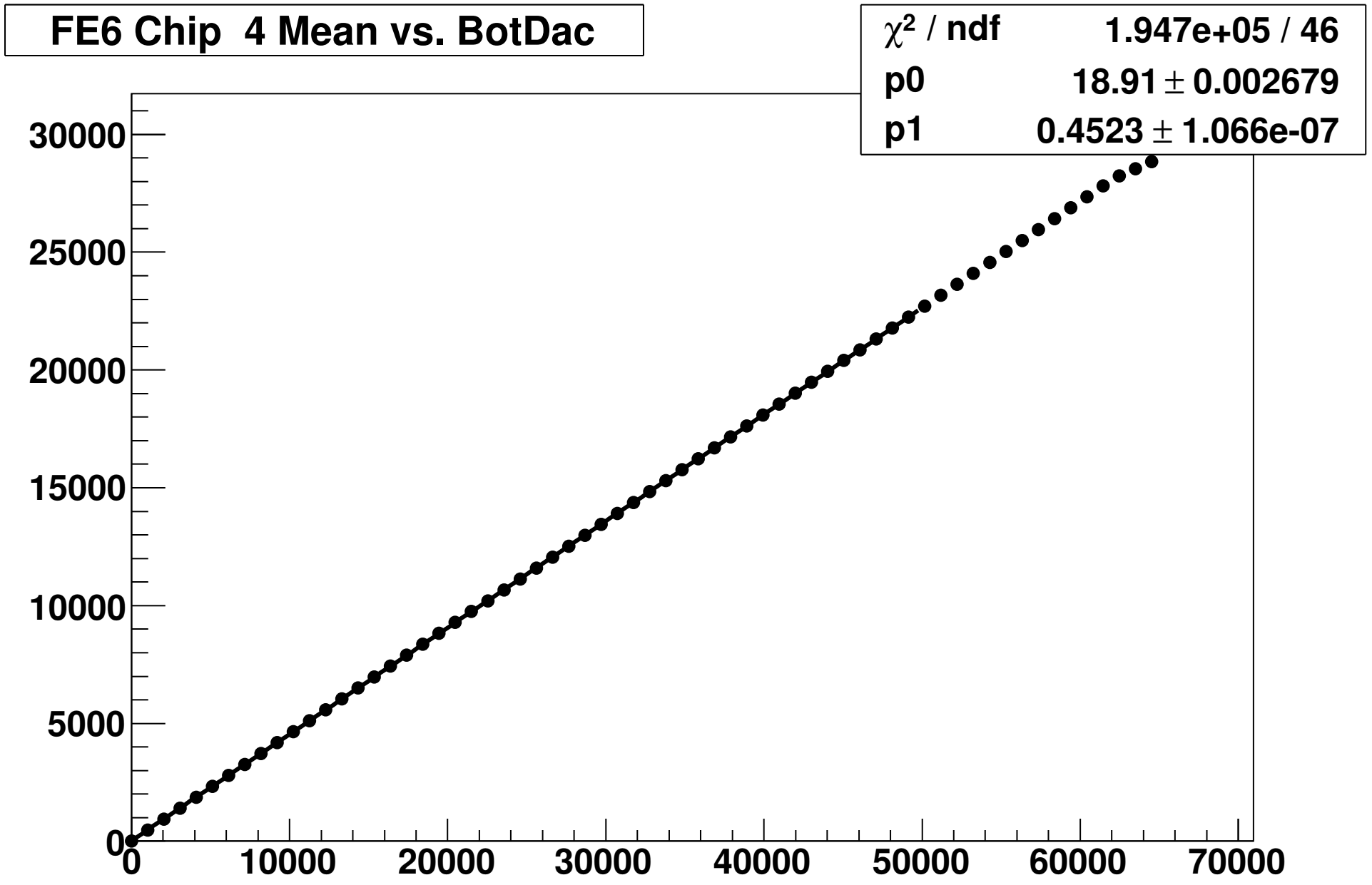
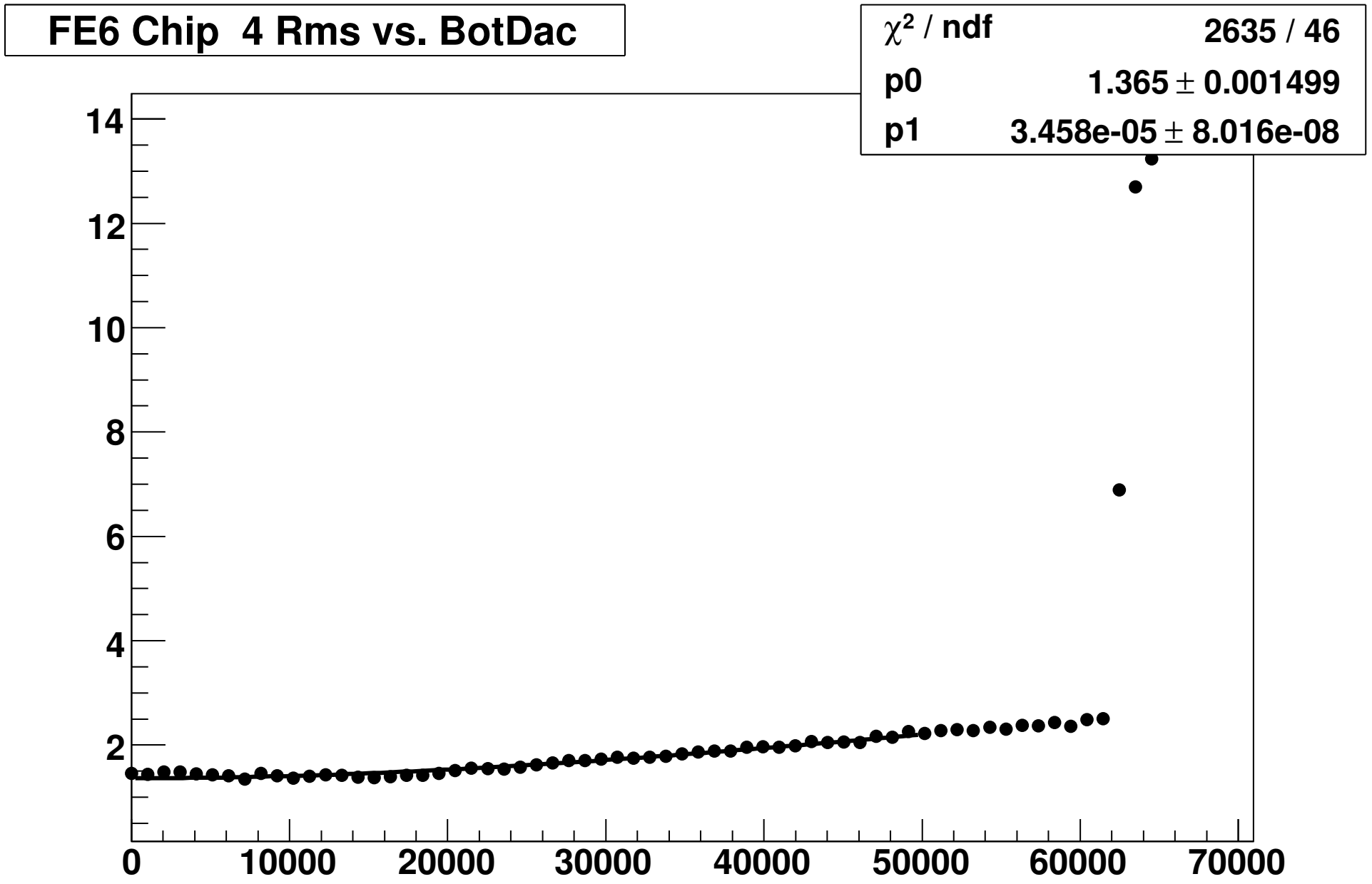
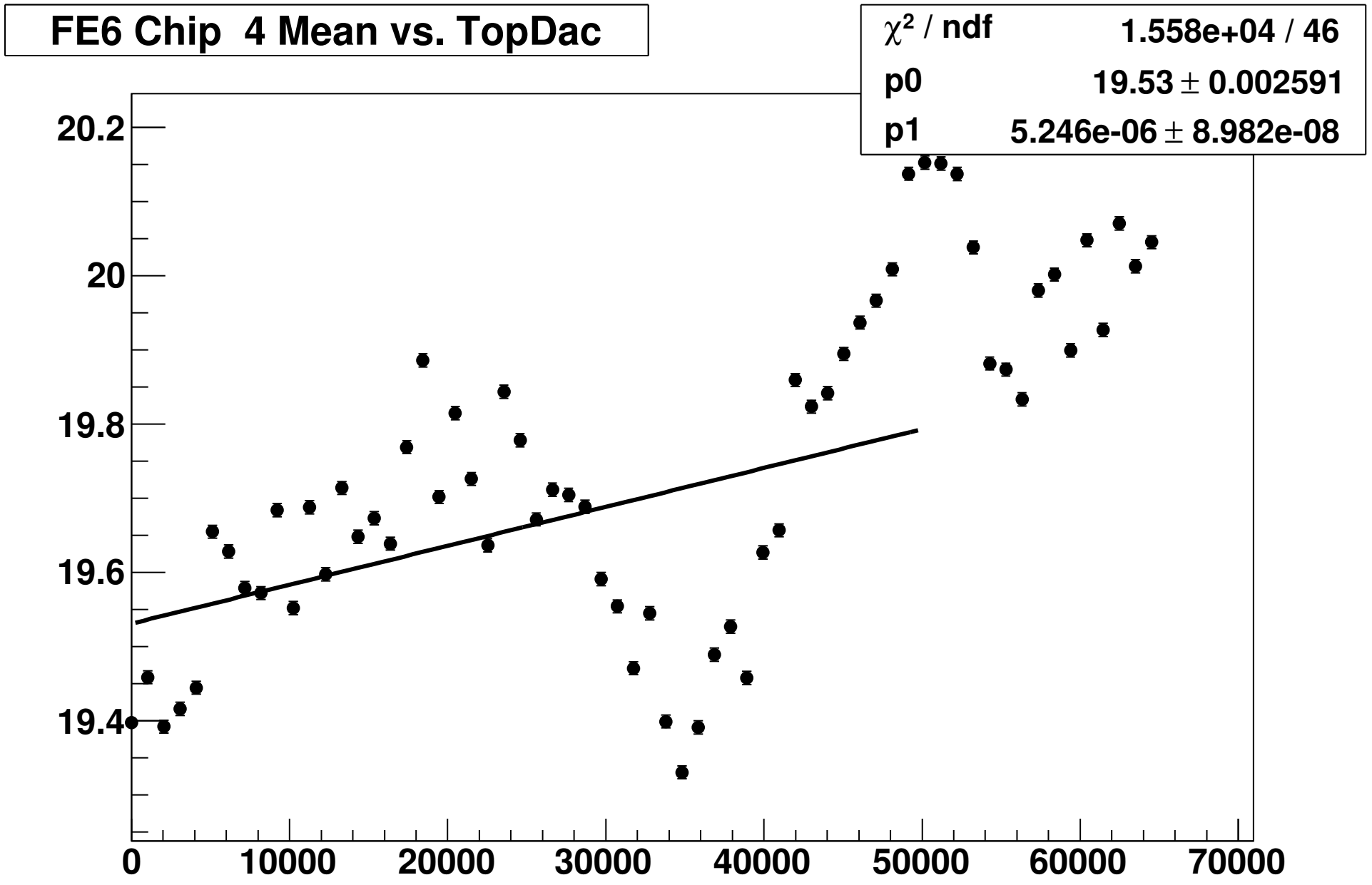
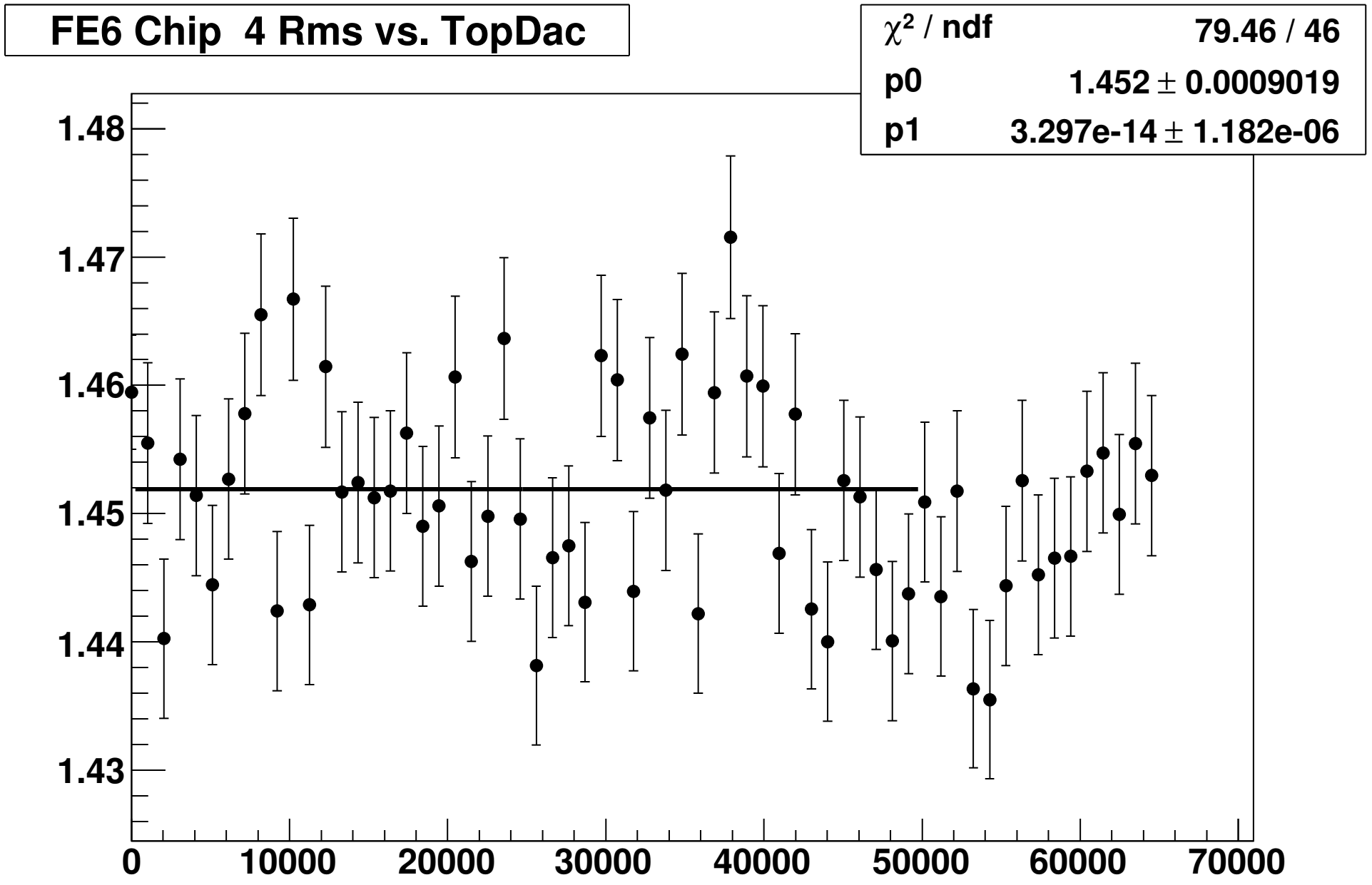

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 2.866e+04 / 46
p0 25.65 ± 0.002614
p1 5.059e-06 ± 9.047e-08
26.4
26.2
26
25.8
25.6
25.4
25.2
0
10000
20000
30000
40000
50000
60000
70000

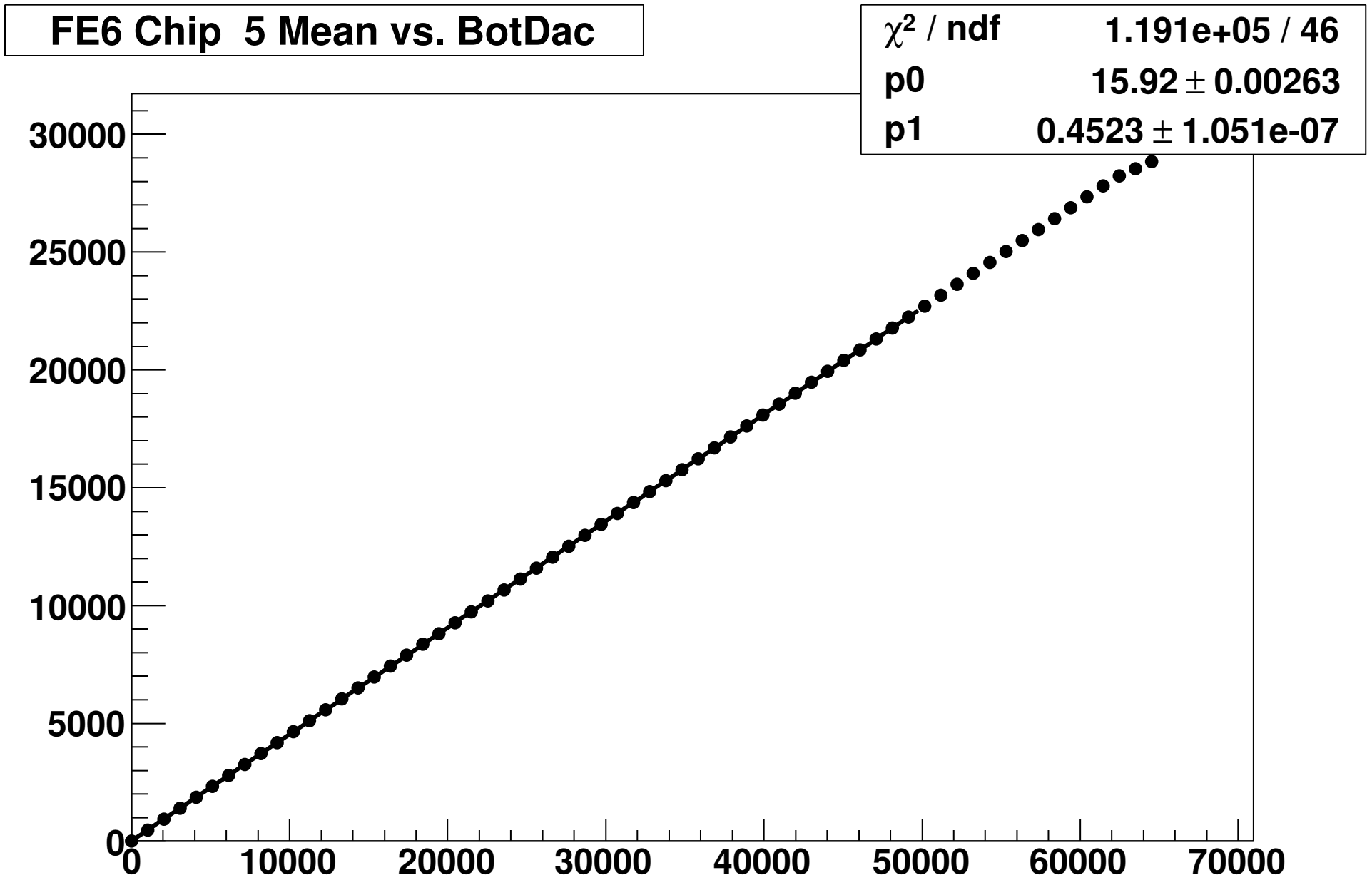

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 148.3 / 46
p0 1.464 ± 0.0009096
p1 7.526e-16 ± 6.366e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

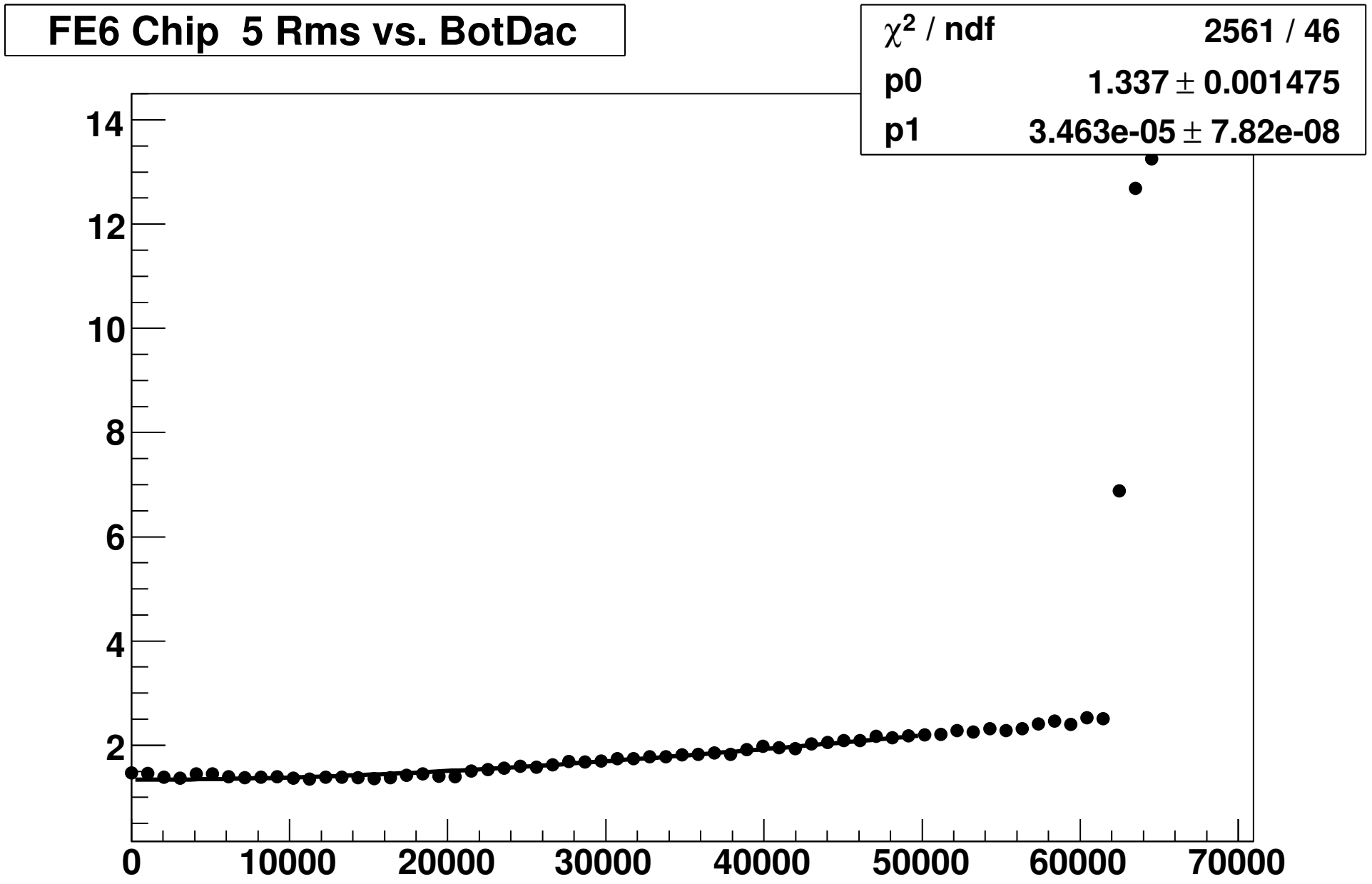

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.947e+05 / 46
p0 18.91 ± 0.002679
p1 0.4523 ± 1.066e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

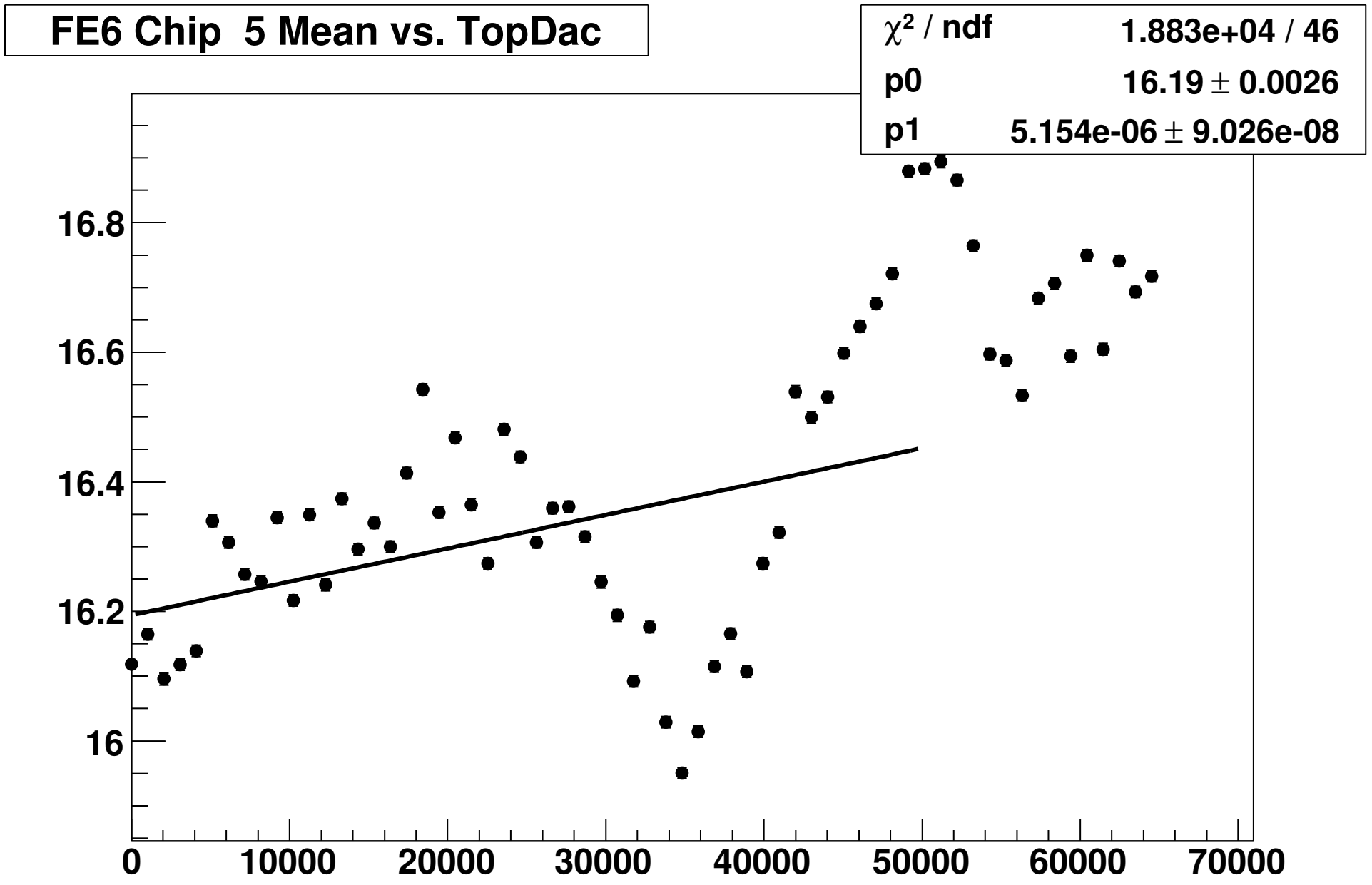

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 2635 / 46
p0 1.365 ± 0.001499
p1 3.458e-05 ± 8.016e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 1.558e+04 / 46
p0 19.53 ± 0.002591
p1 5.246e-06 ± 8.982e-08
20.2
20
19.8
19.6
19.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 79.46 / 46
p0 1.452 ± 0.0009019
p1 3.297e-14 ± 1.182e-06
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.191e+05 / 46
p0 15.92 ± 0.00263
p1 0.4523 ± 1.051e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 2561 / 46
p0 1.337 ± 0.001475
p1 3.463e-05 ± 7.82e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 1.883e+04 / 46
p0 16.19 ± 0.0026
p1 5.154e-06 ± 9.026e-08
16.8
16.6
16.4
16.2
16
0
10000
20000
30000
40000
50000
60000
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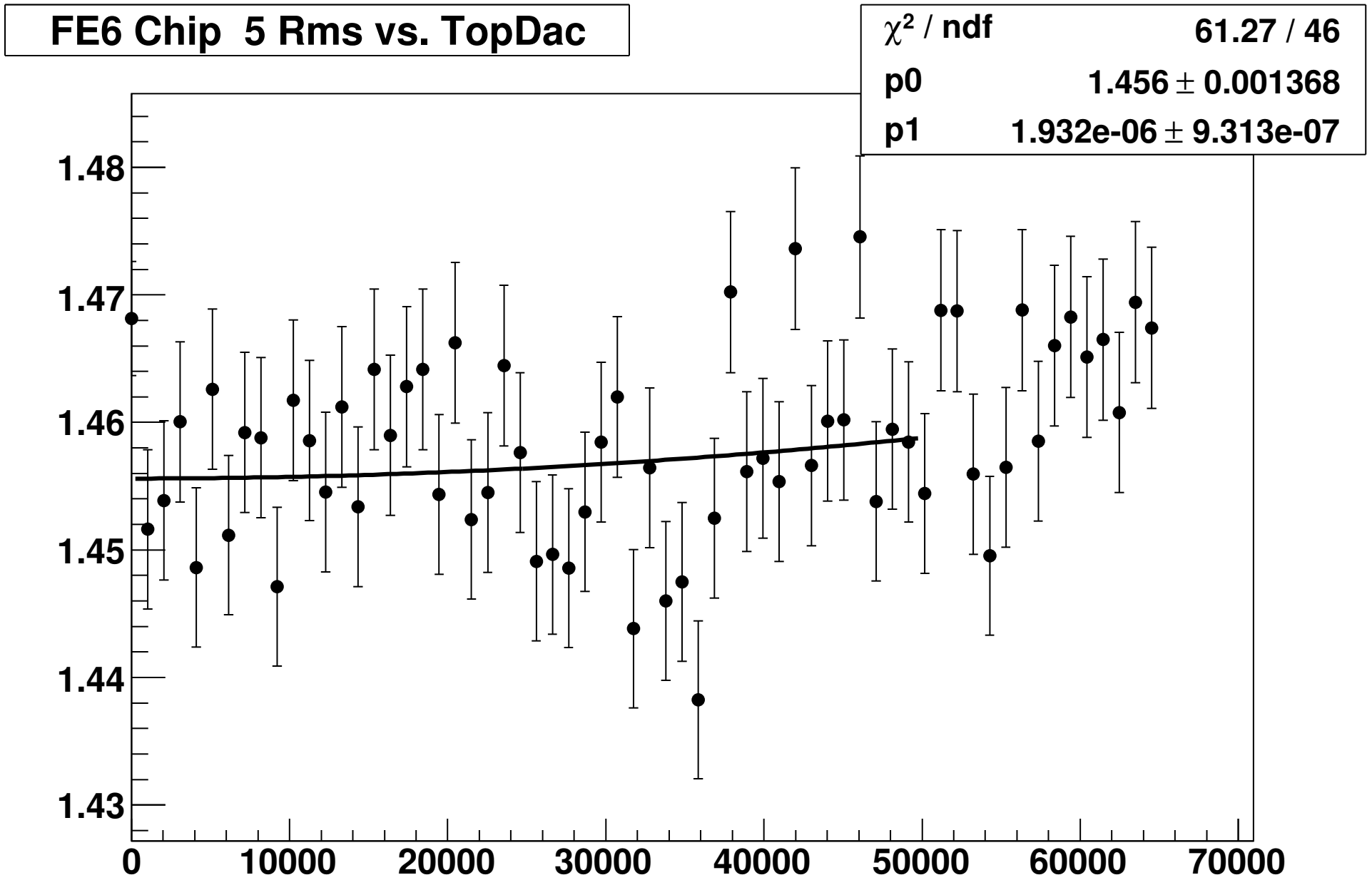
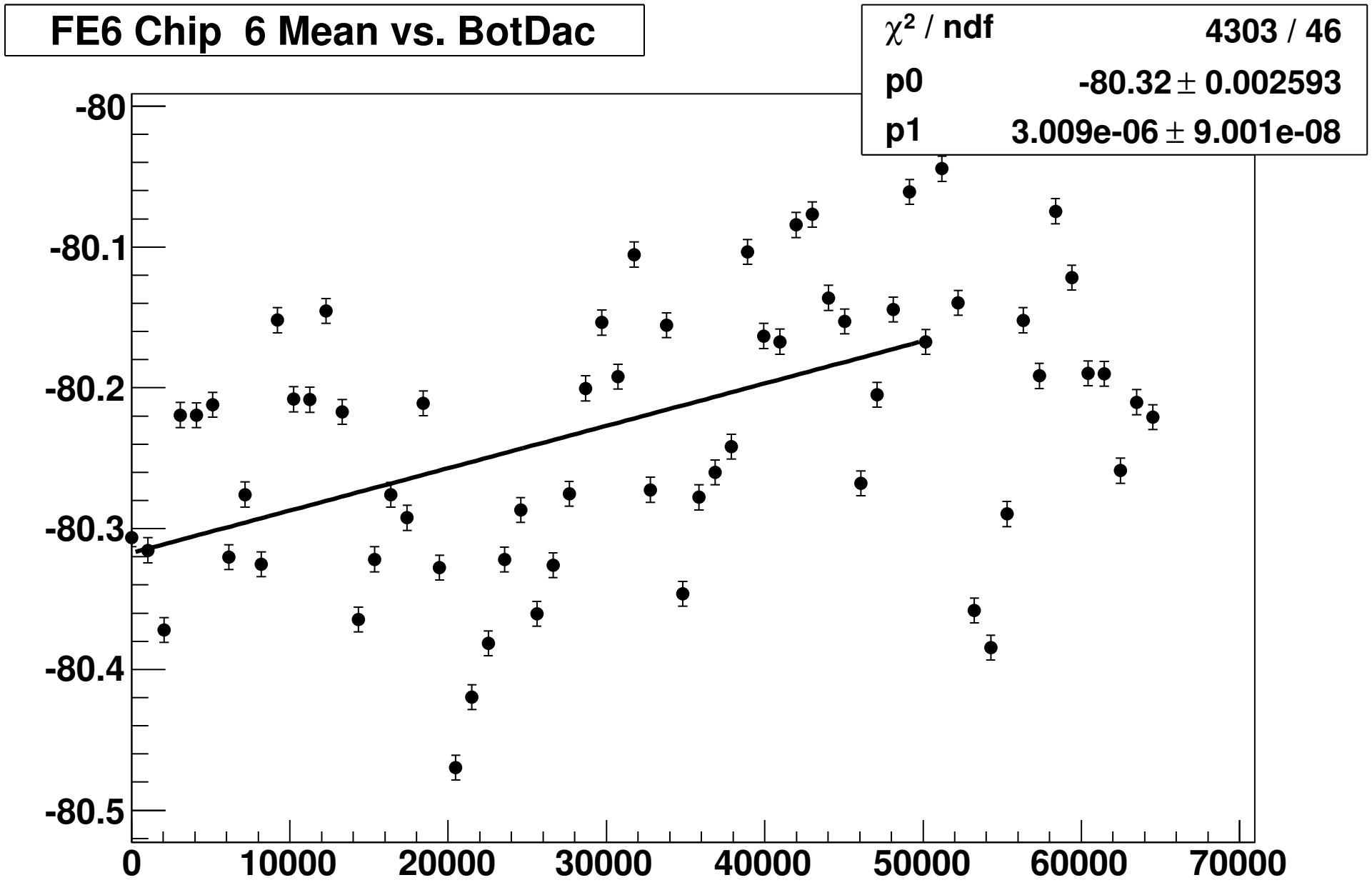
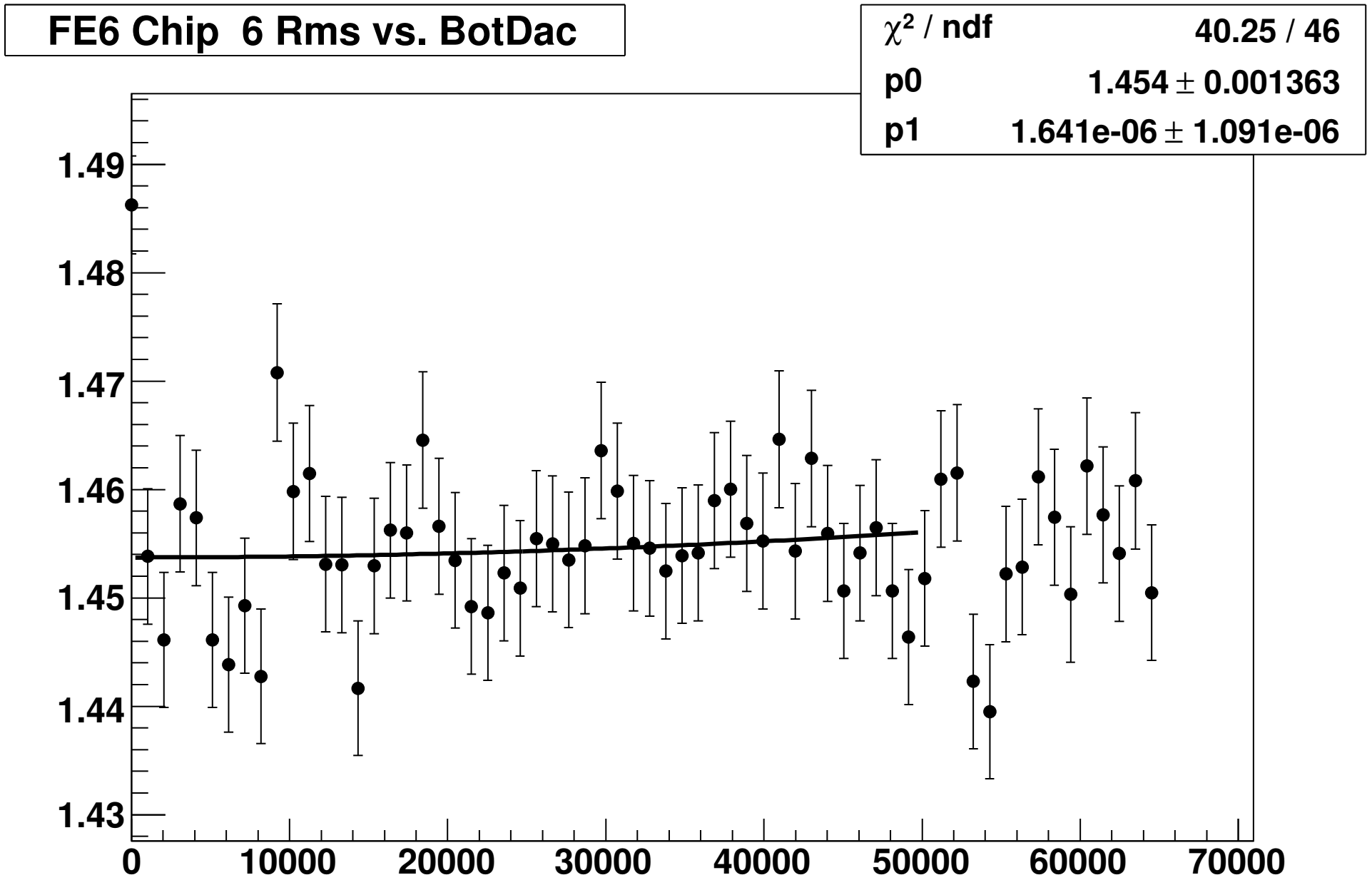
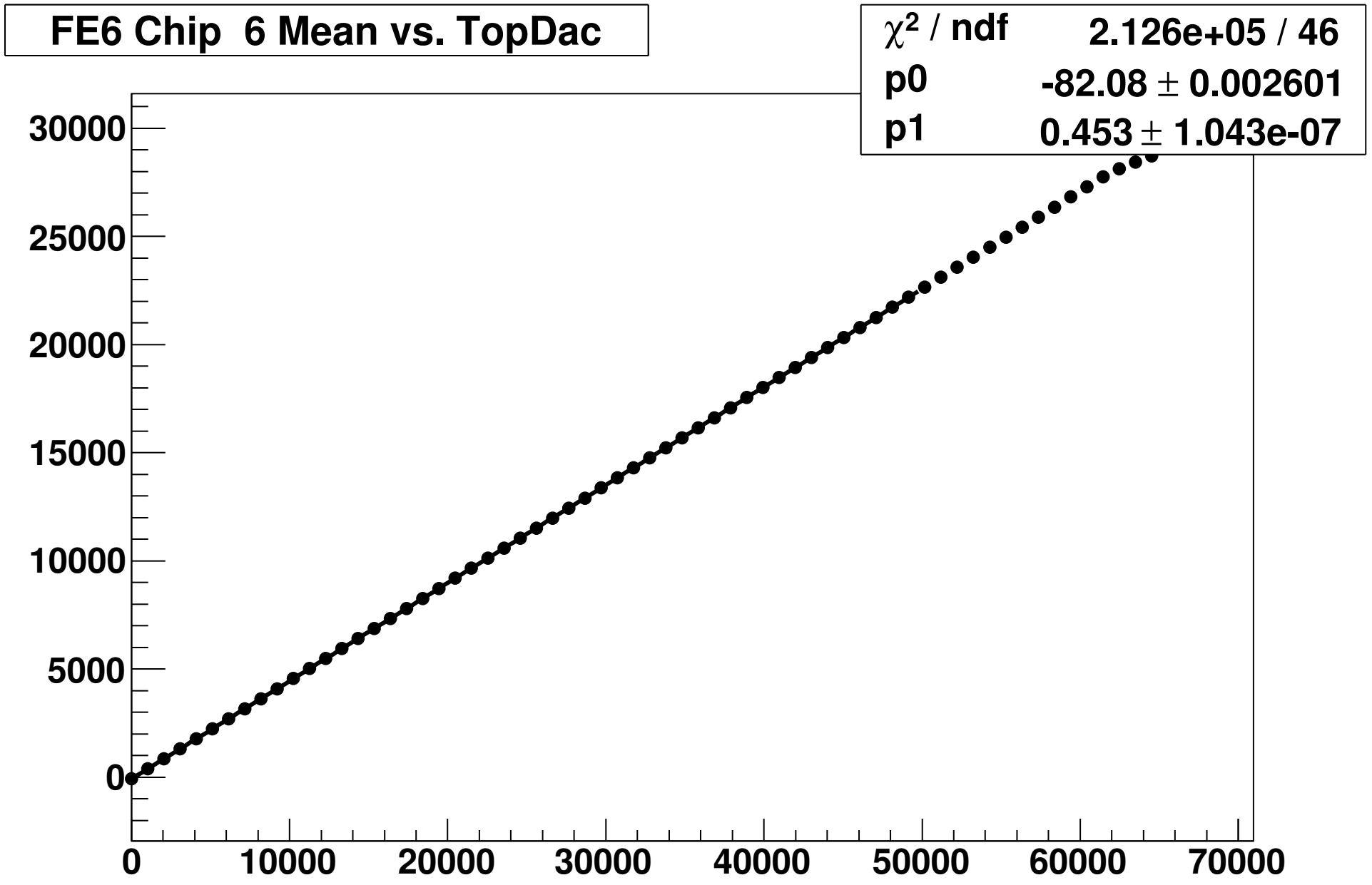
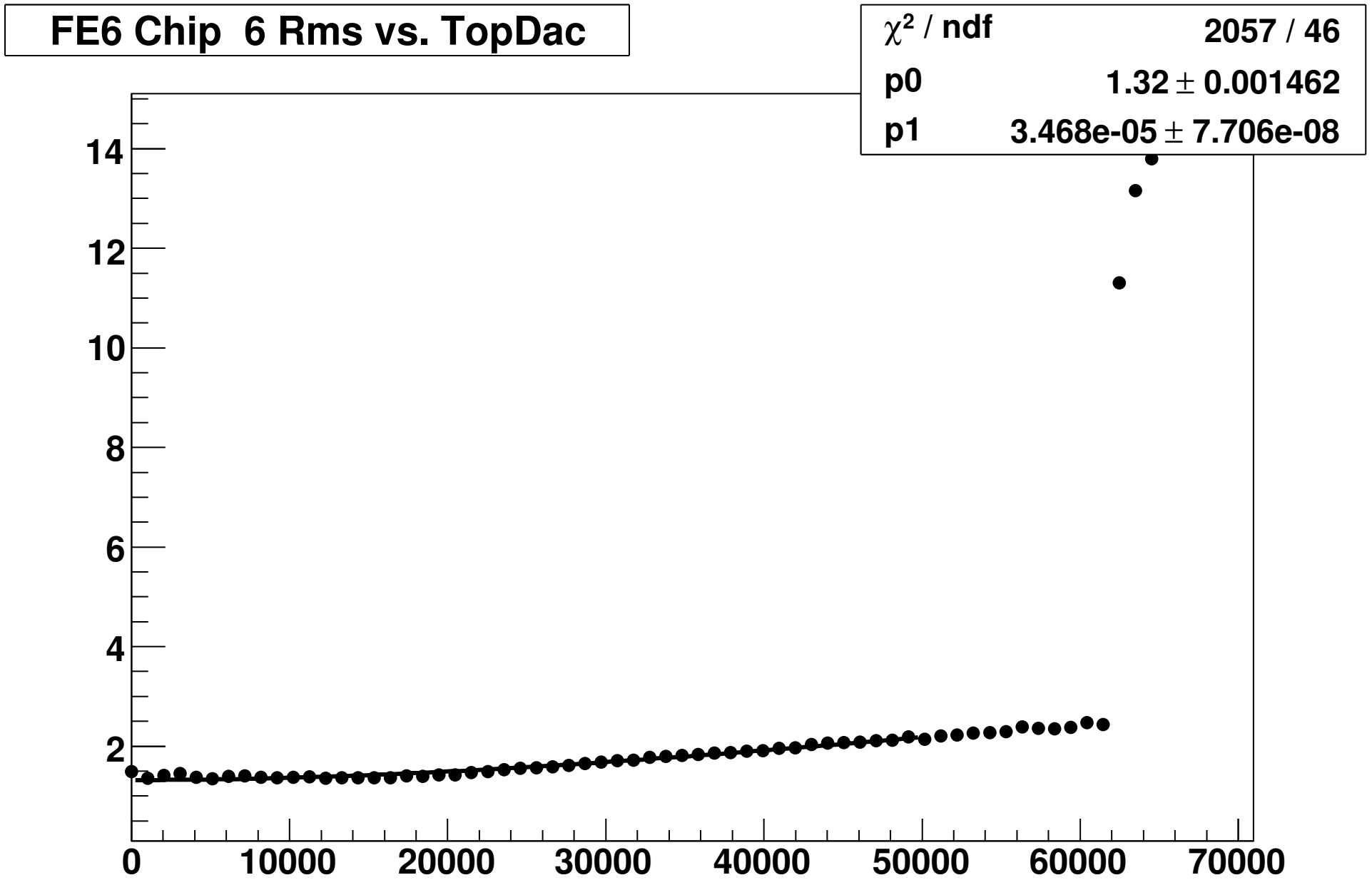
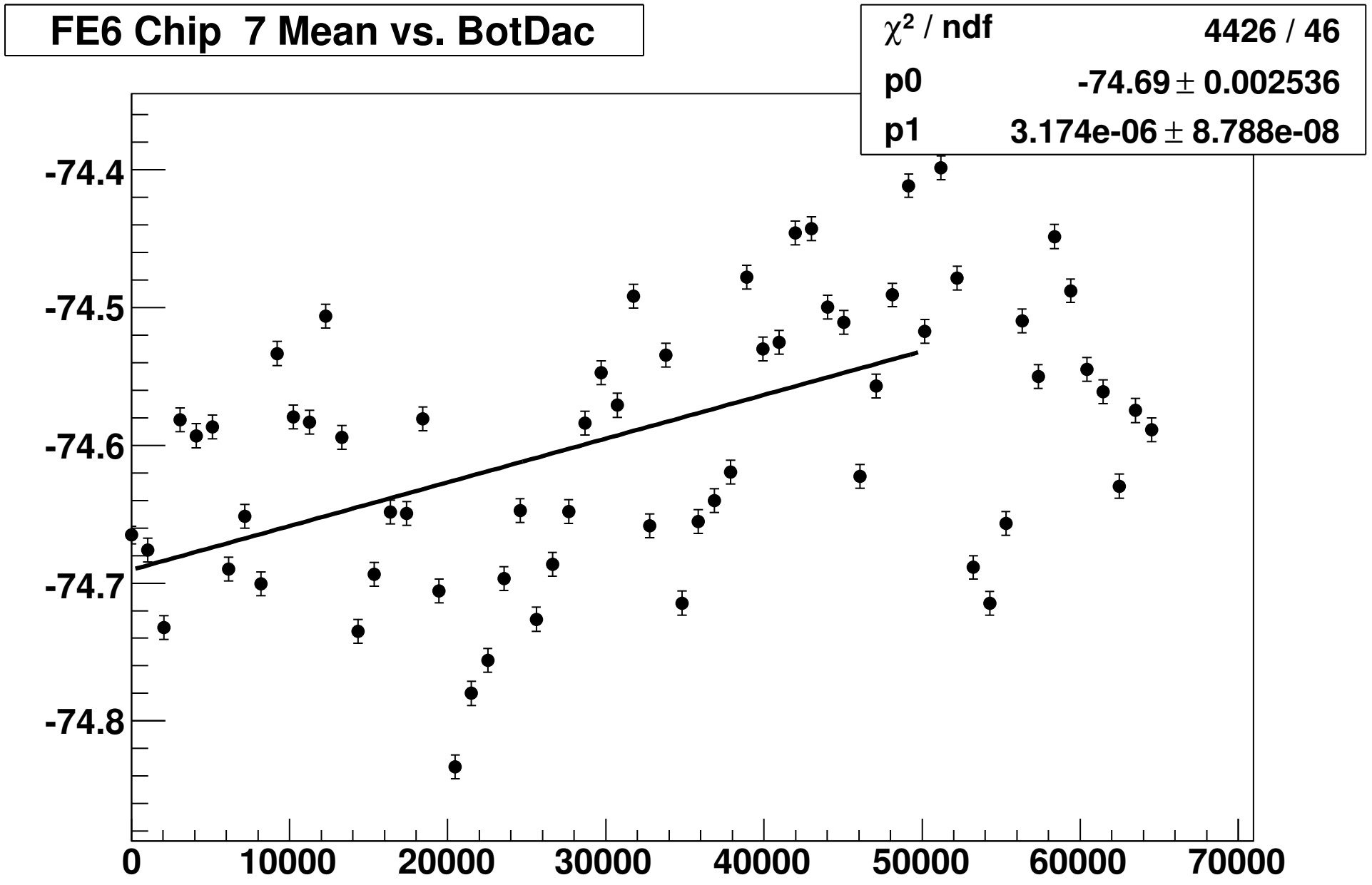

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 61.27 / 46
p0 1.456 ± 0.001368
p1 1.932e-06 ± 9.313e-07
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

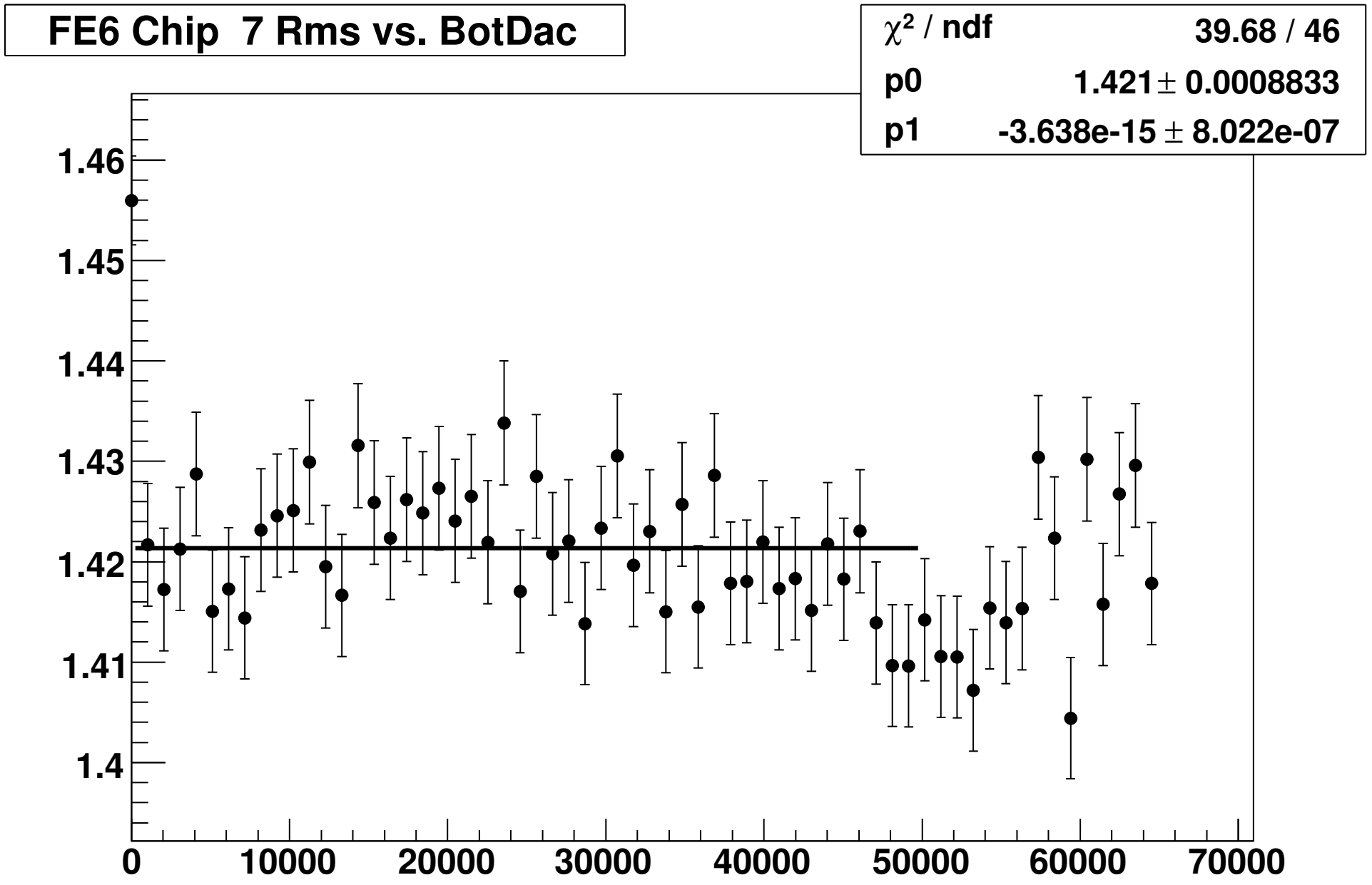

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 4303 / 46
p0 -80.32 ± 0.002593
p1 3.009e-06 ± 9.001e-08
-80
-80.1
-80.2
-80.3
-80.4
-80.5
0
10000
20000
30000
40000
50000
60000
70000

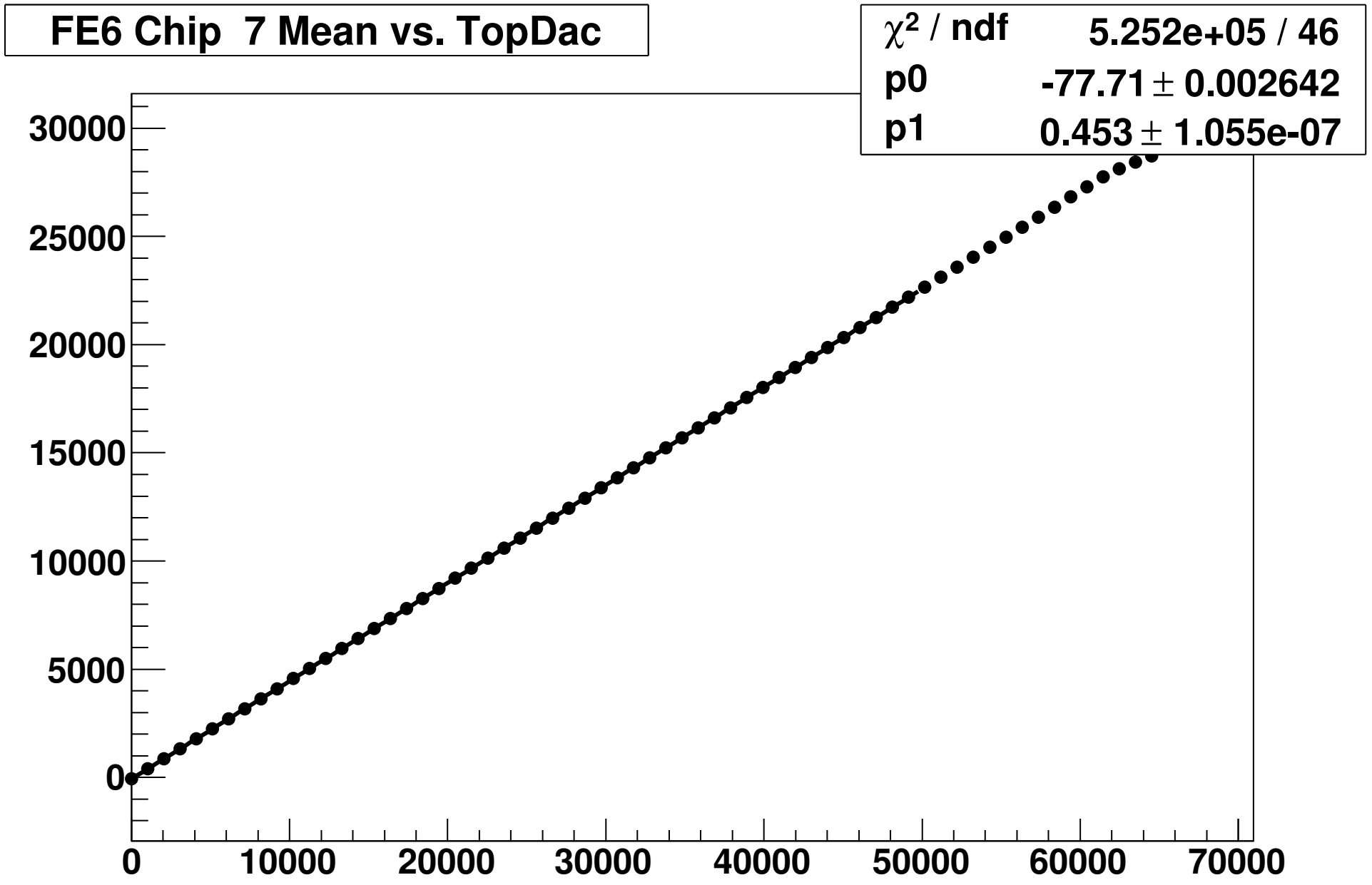

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 40.25 / 46
p0 1.454 ± 0.001363
p1 1.641e-06 ± 1.091e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

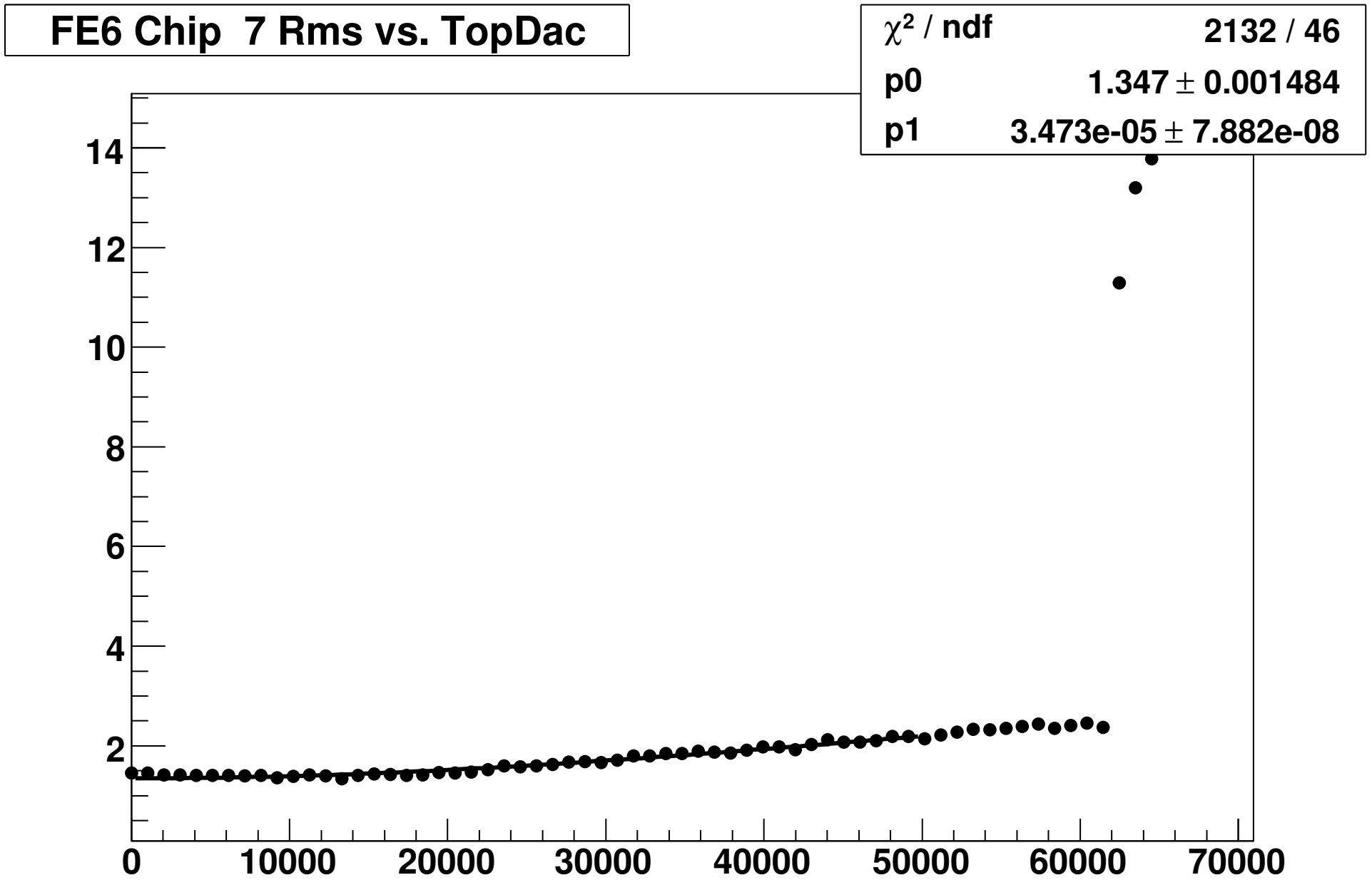

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 2.126e+05 / 46
p0 -82.08 ± 0.002601
p1 0.453 ± 1.043e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

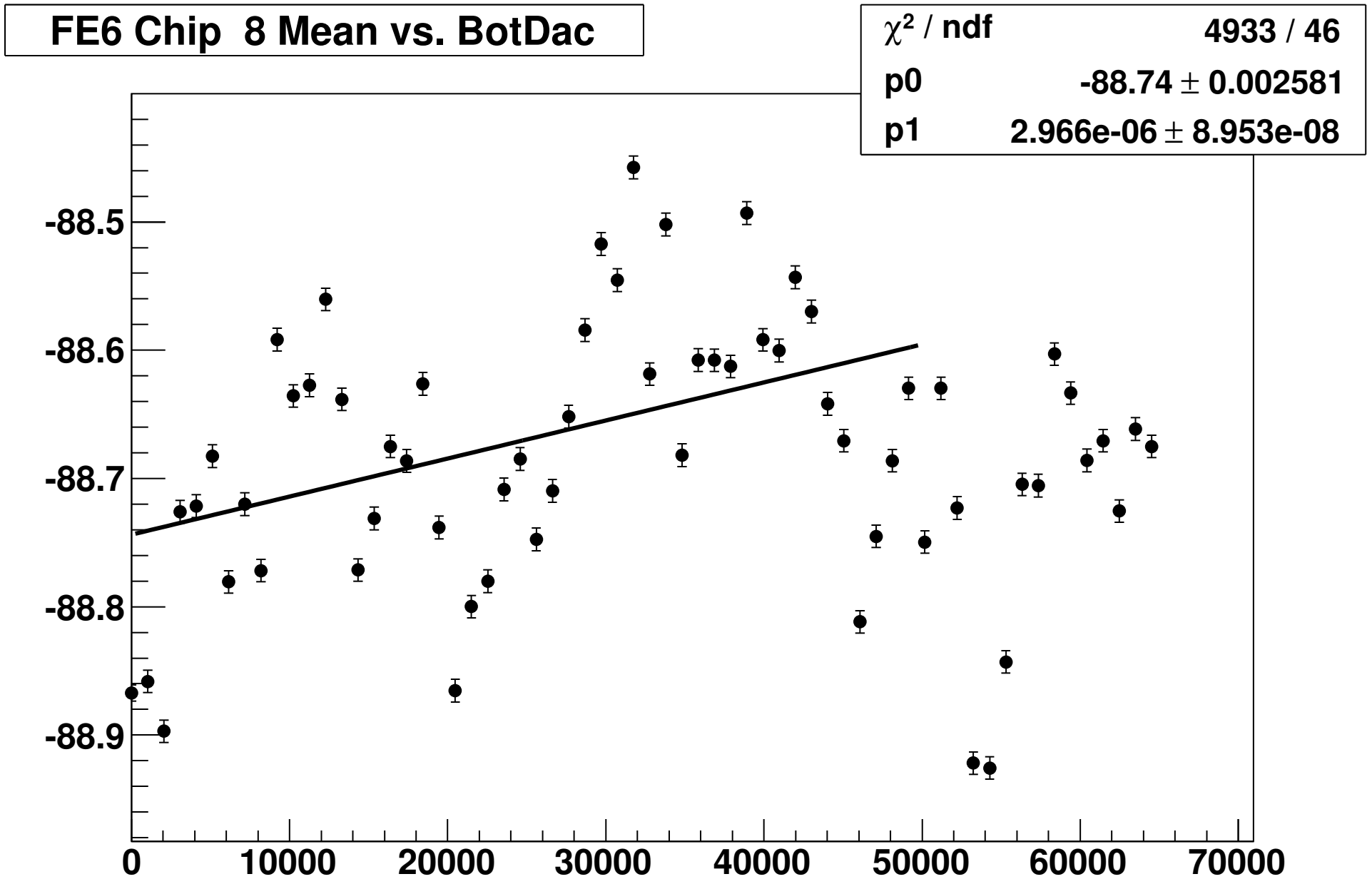

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 2057 / 46
p0 1.32 ± 0.001462
p1 3.468e-05 ± 7.706e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

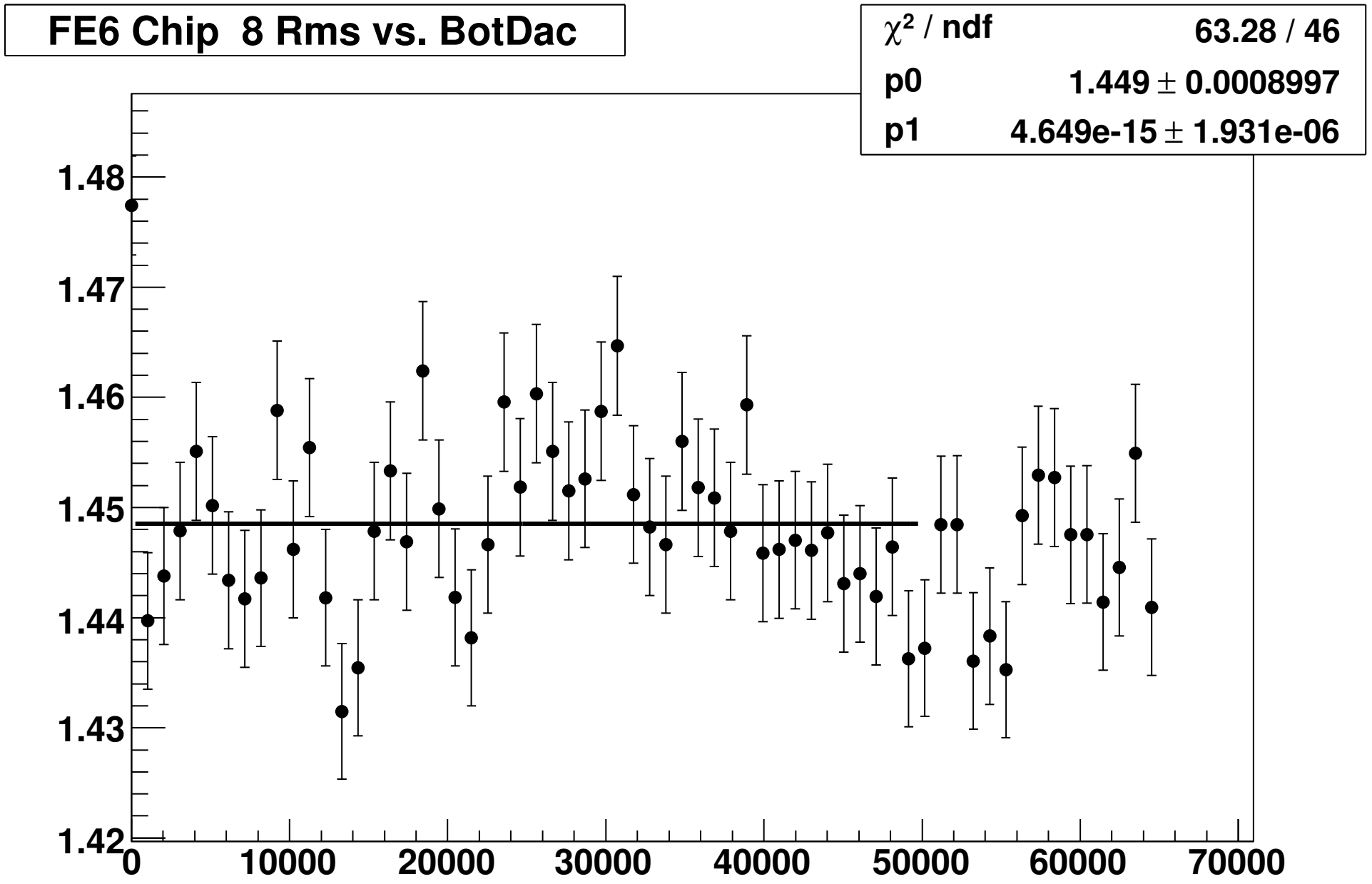

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 4426 / 46
p0 -74.69 ± 0.002536
p1 3.174e-06 ± 8.788e-08
-74.4
-74.5
-74.6
-74.7
-74.8
0
10000
20000
30000
40000
50000
60000
70000

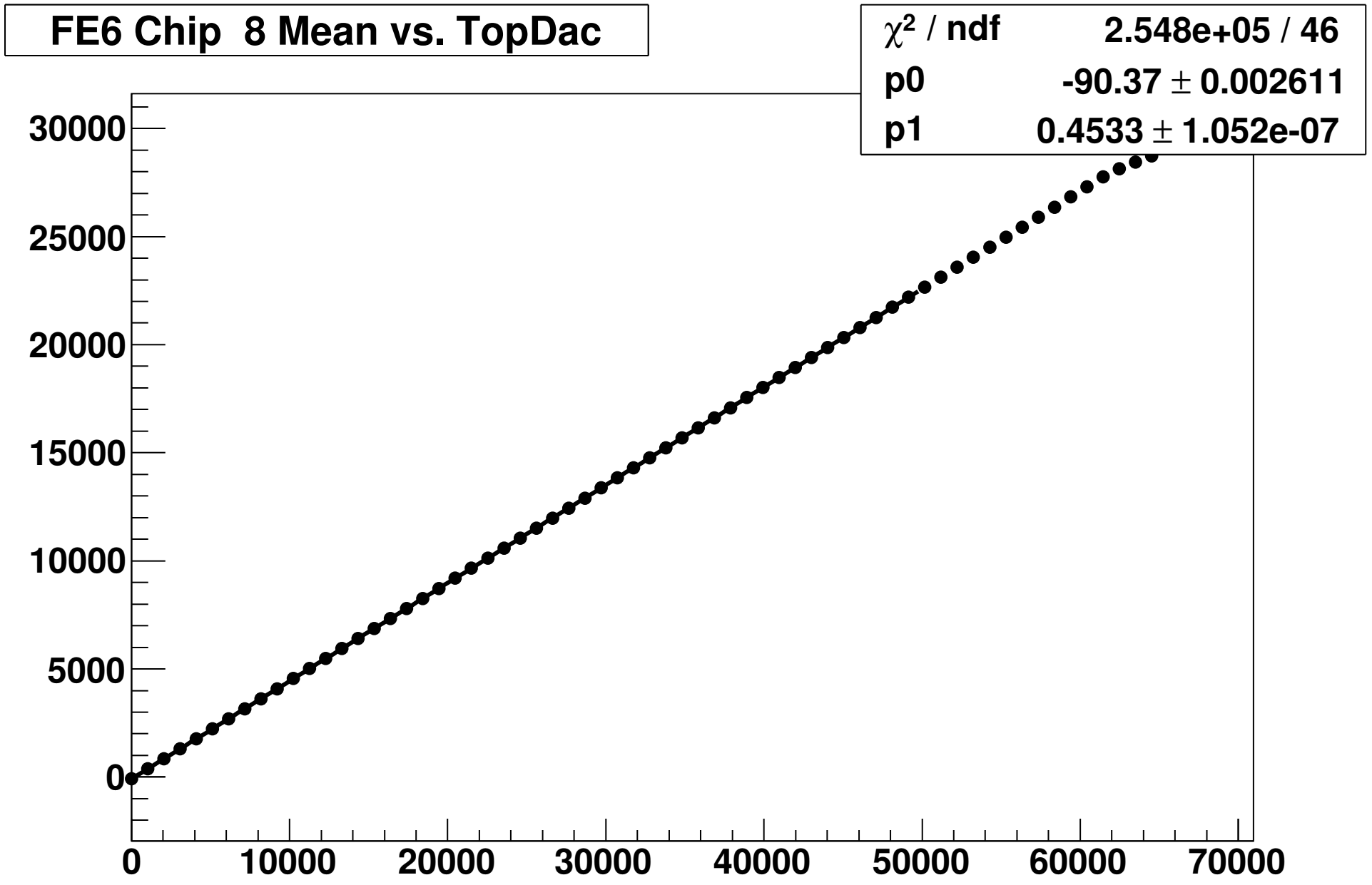

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 39.68 / 46
p0 1.421 ± 0.0008833
p1 -3.638e-15 ± 8.022e-07
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

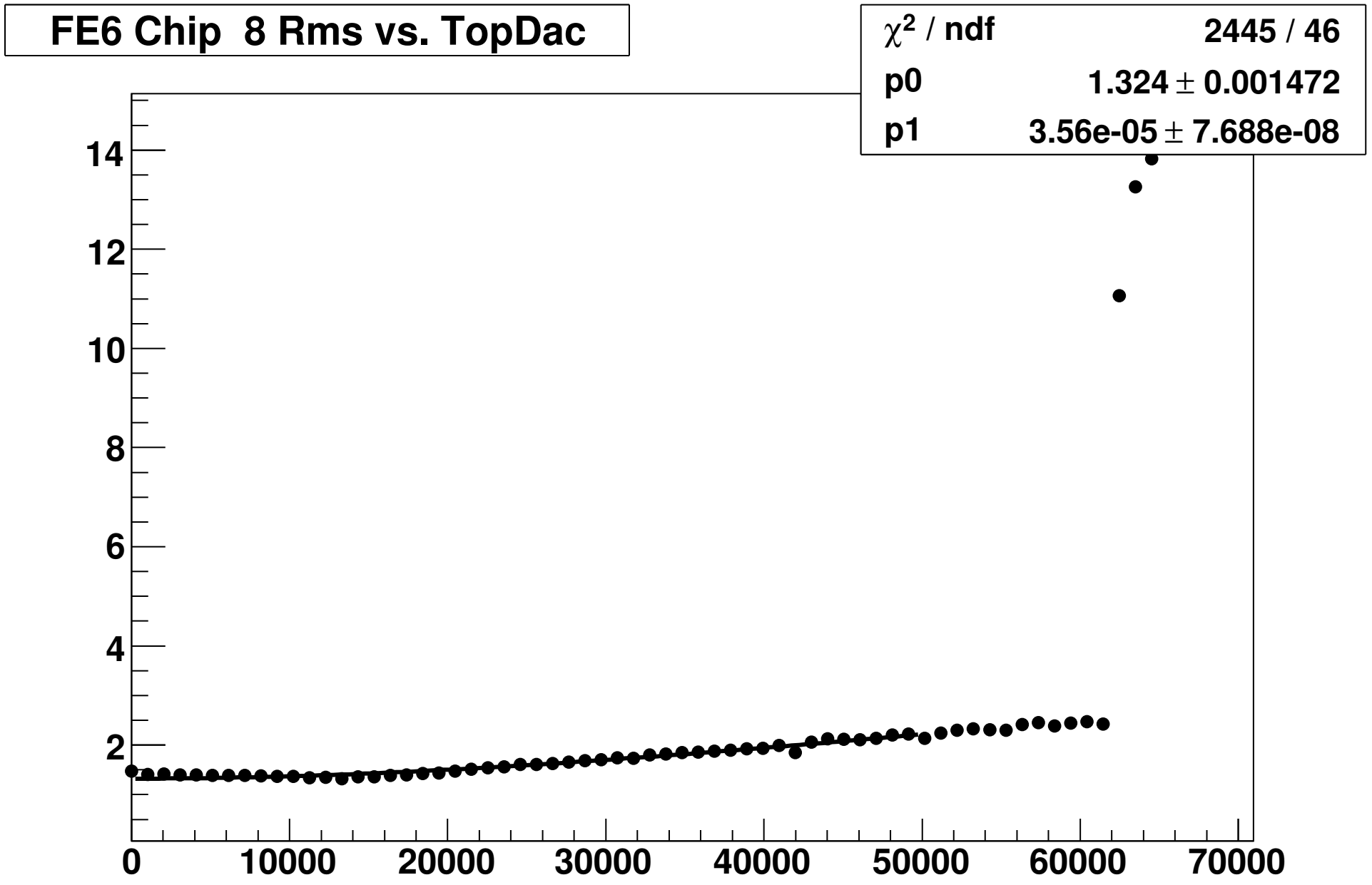

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 5.252e+05 / 46
p0 -77.71 ± 0.002642
p1 0.453 ± 1.055e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

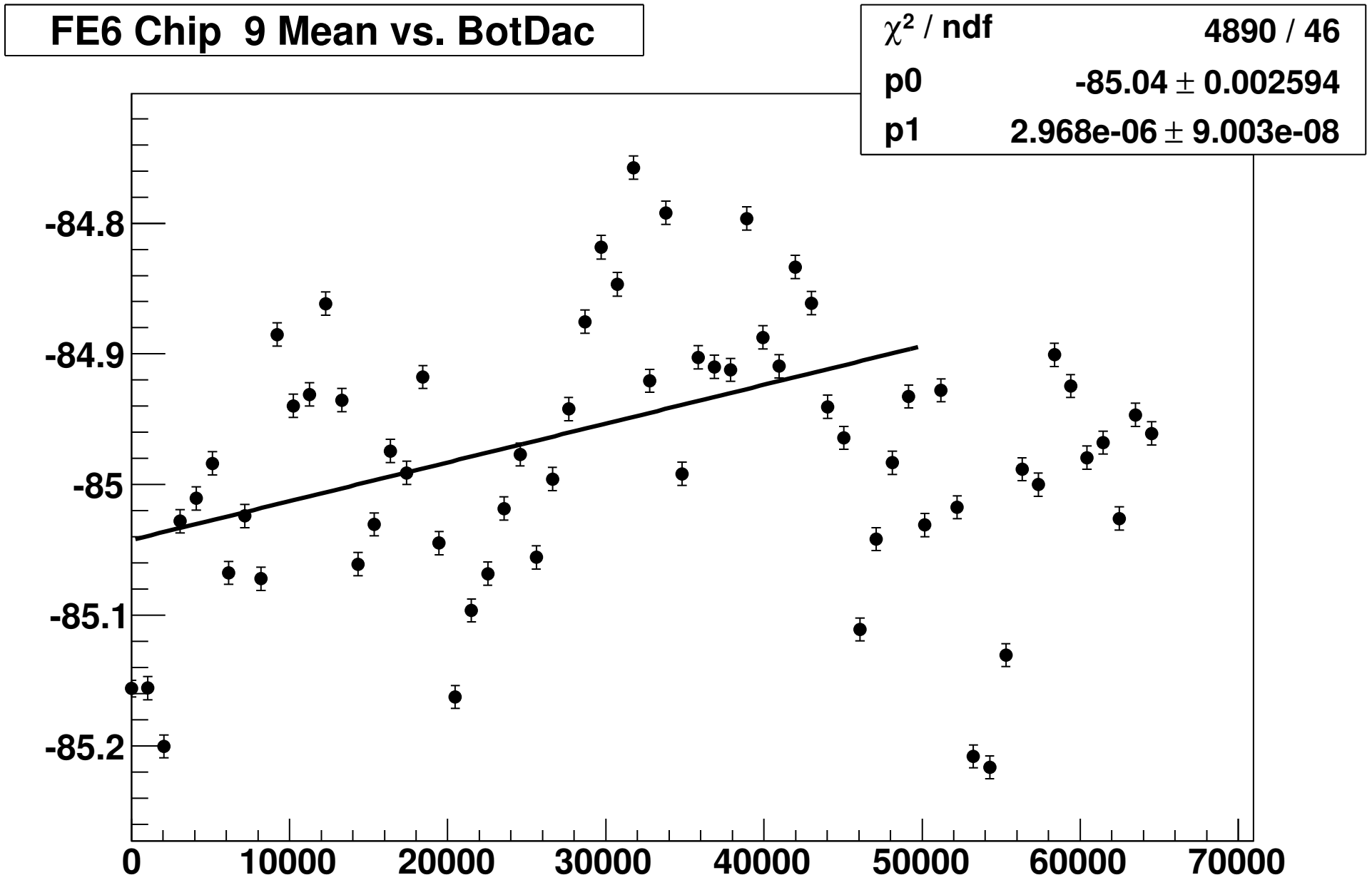

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 2132 / 46
p0 1.347 ± 0.001484
p1 3.473e-05 ± 7.882e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

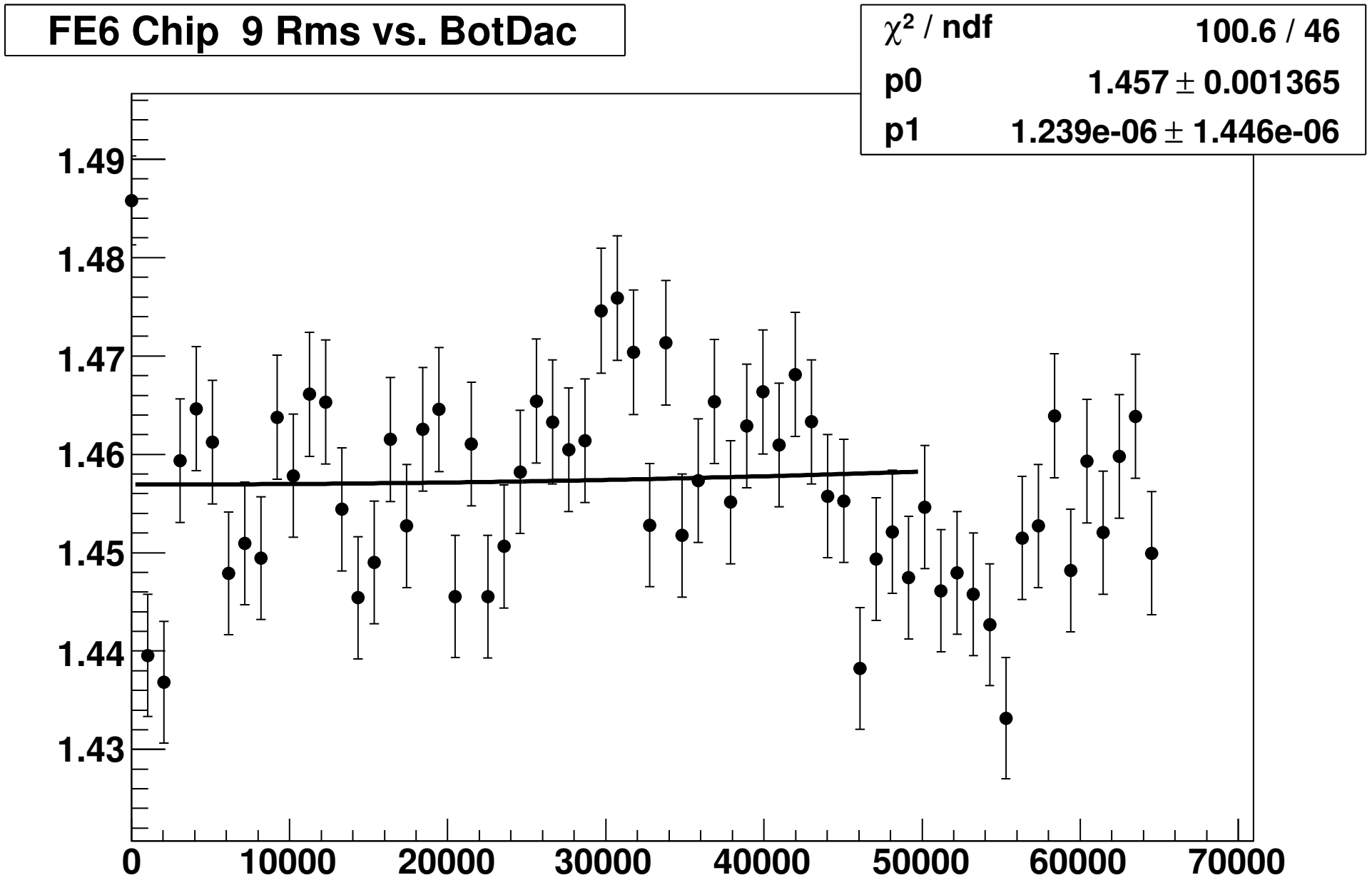

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 4933 / 46
p0 -88.74 ± 0.002581
p1 2.966e-06 ± 8.953e-08
-88.5
-88.6
-88.7
-88.8
-88.9
0
10000
20000
30000
40000
50000
60000
70000

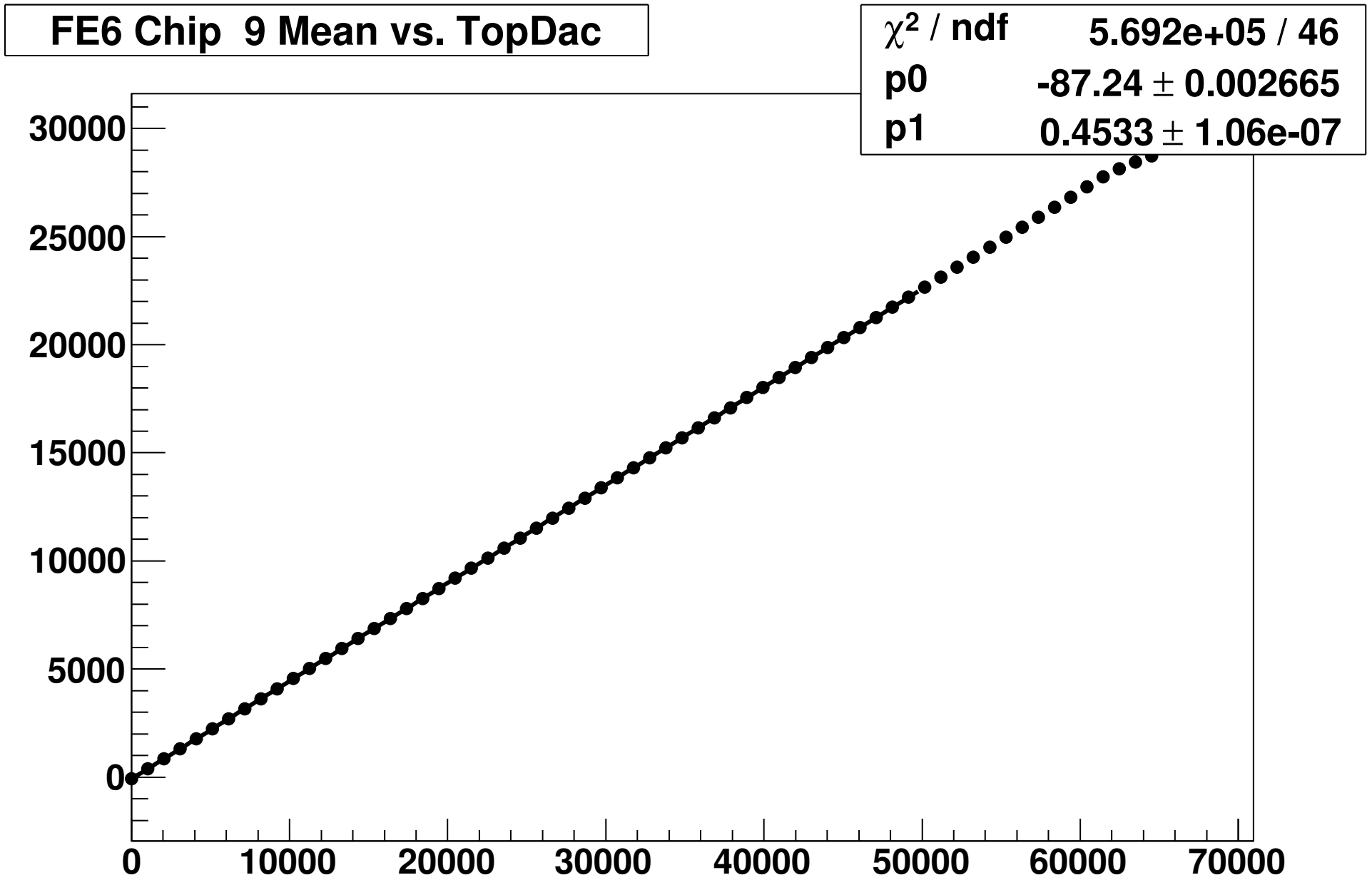

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 63.28 / 46
p0 1.449 ± 0.0008997
p1 4.649e-15 ± 1.931e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

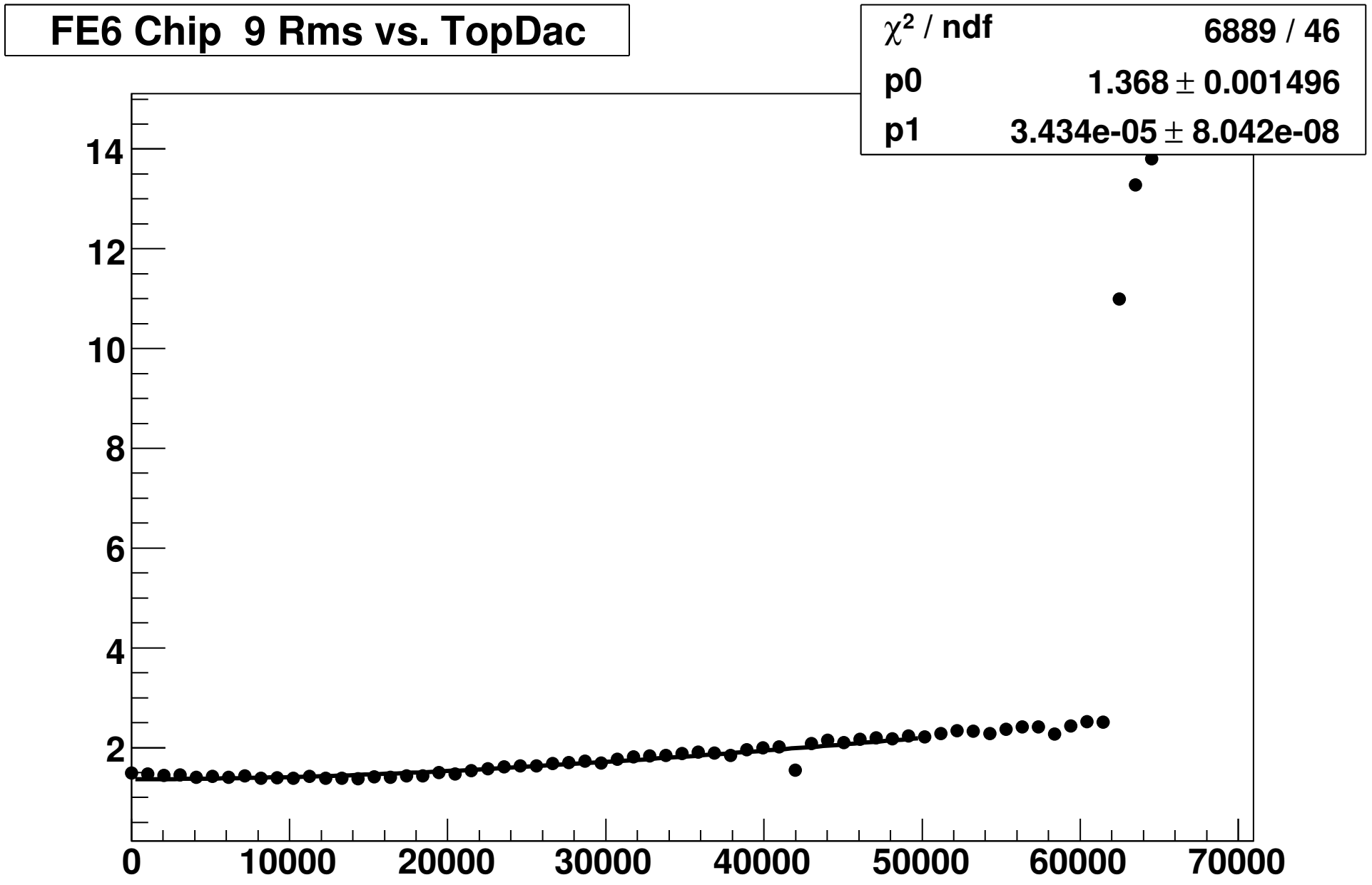

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 2.548e+05 / 46
p0 -90.37 ± 0.002611
p1 0.4533 ± 1.052e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

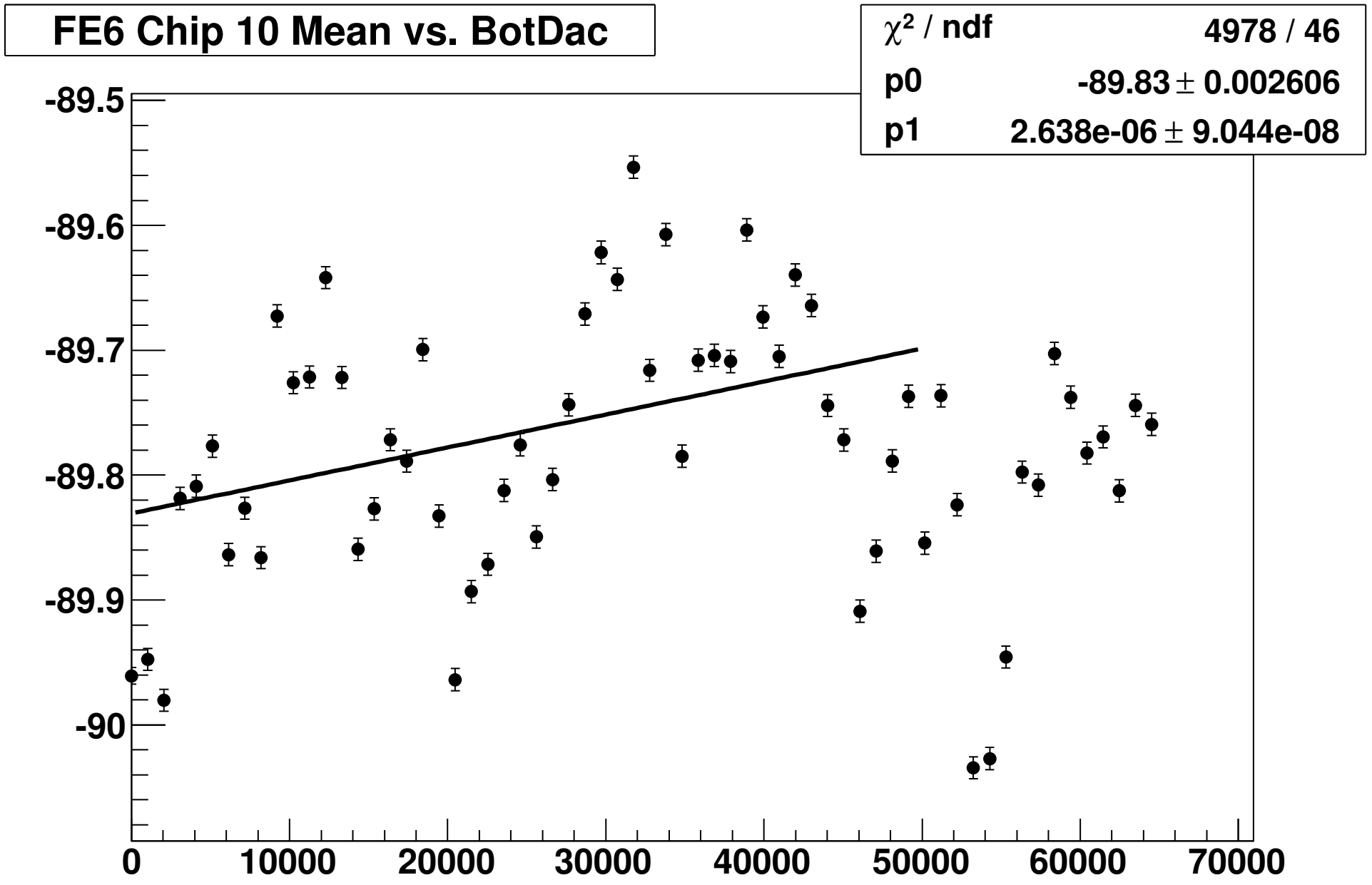

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 2445 / 46
p0 1.324 ± 0.001472
p1 3.56e-05 ± 7.688e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

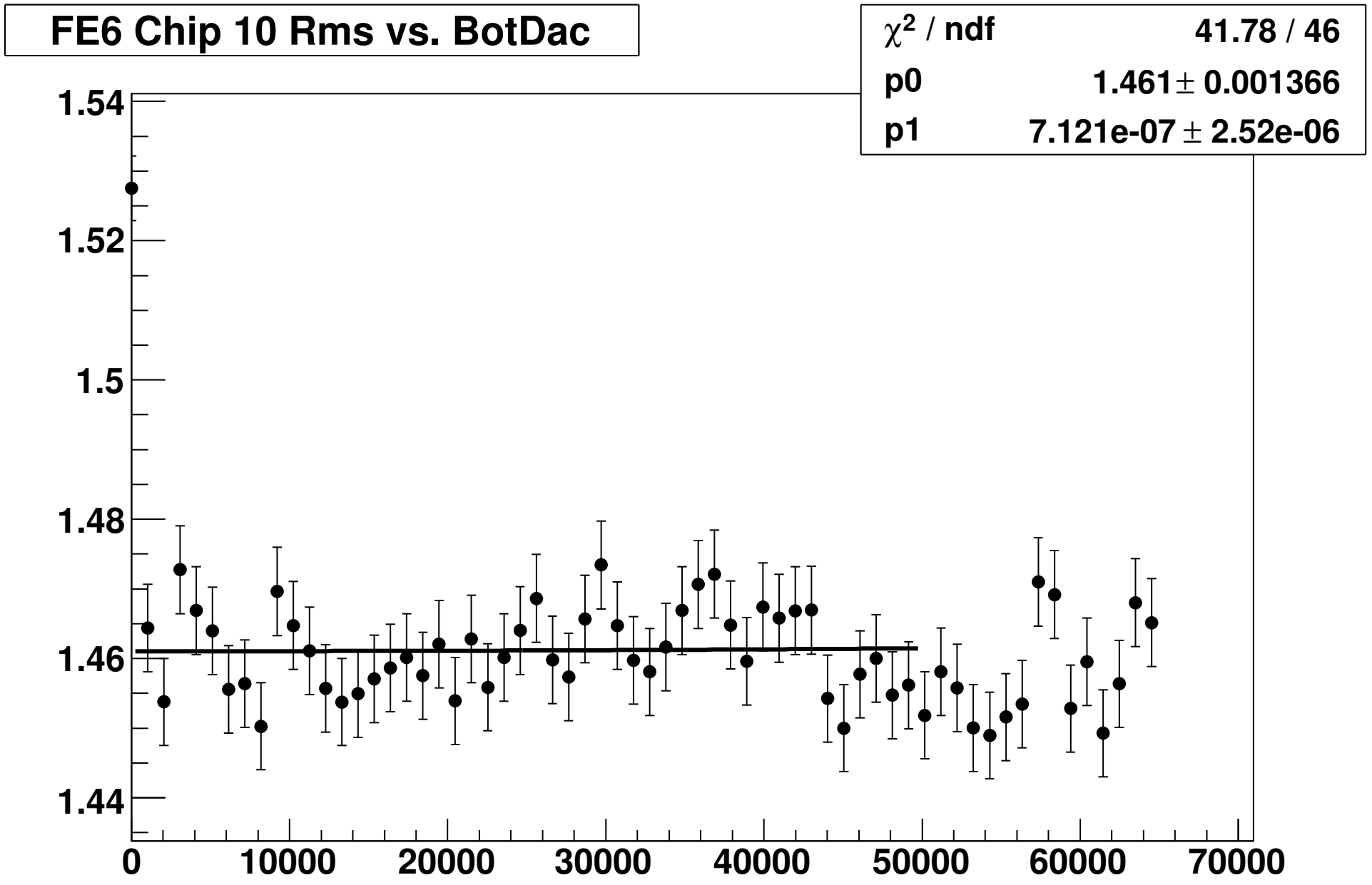

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 4890 / 46
p0 -85.04 ± 0.002594
p1 2.968e-06 ± 9.003e-08
-84.8
-84.9
-85
-85.1
-85.2
0
10000
20000
30000
40000
50000
60000
70000

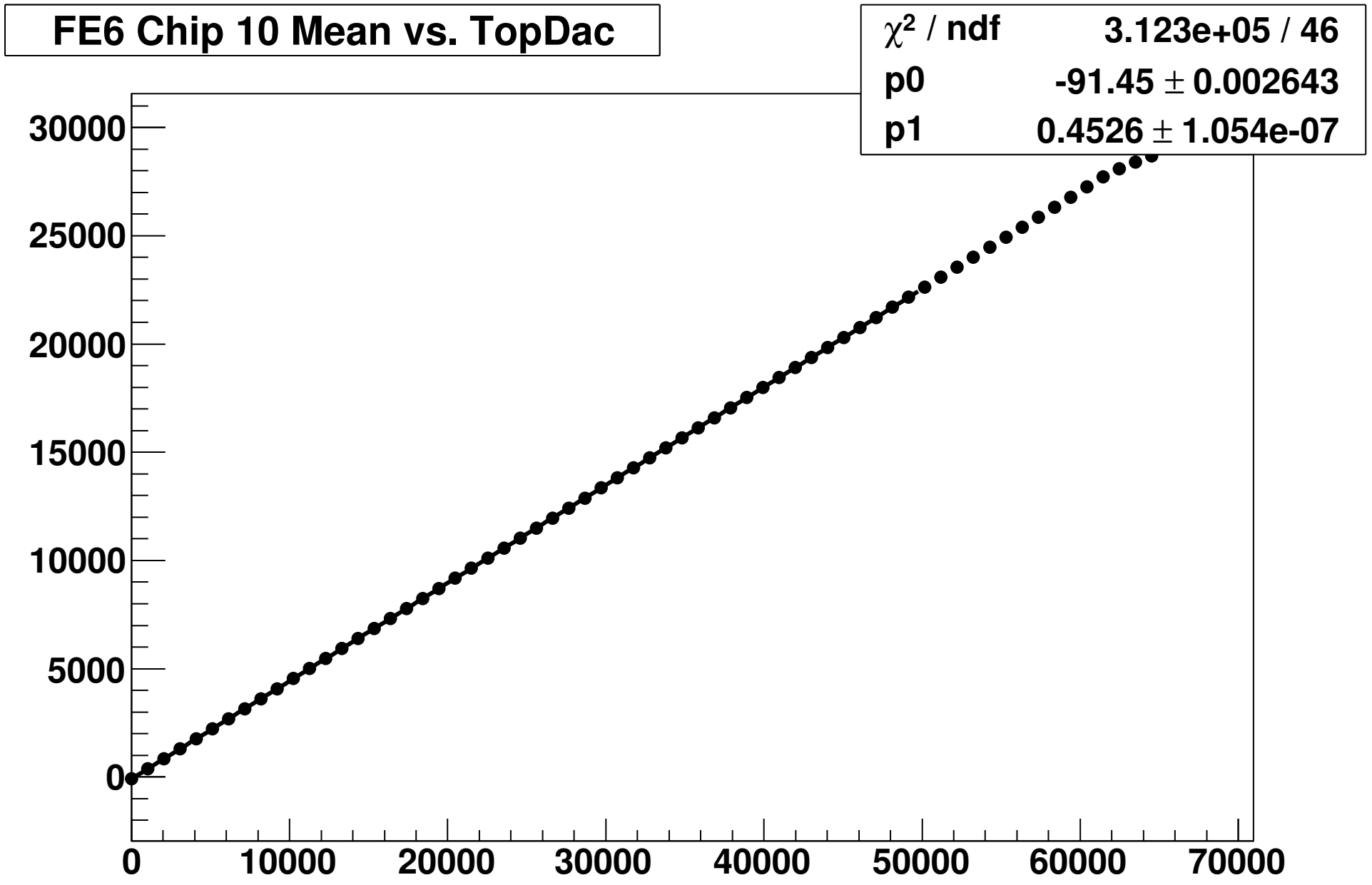

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 100.6 / 46
p0 1.457 ± 0.001365
p1 1.239e-06 ± 1.446e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

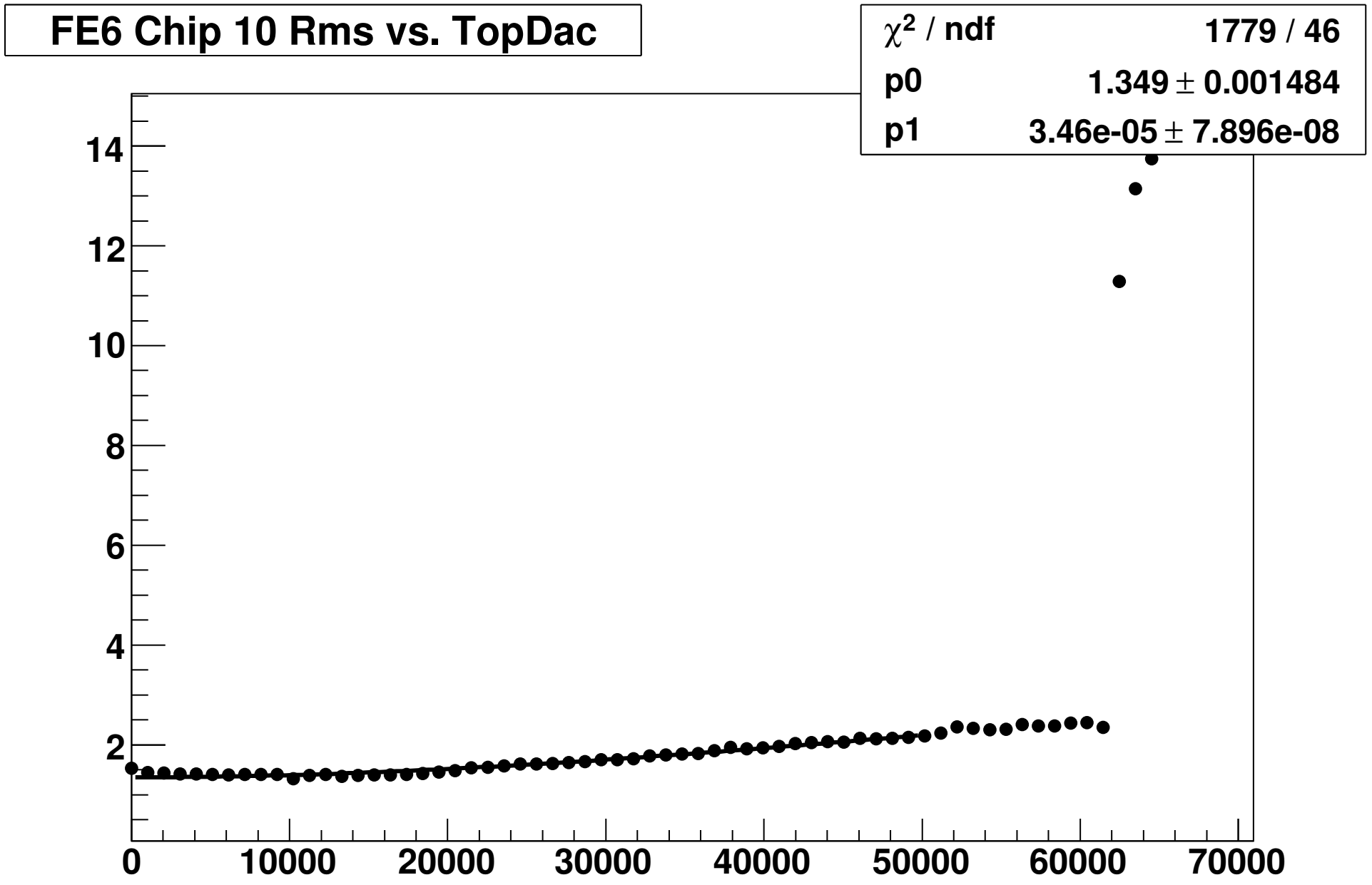

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 5.692e+05 / 46
p0 -87.24 ± 0.002665
p1 0.4533 ± 1.06e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

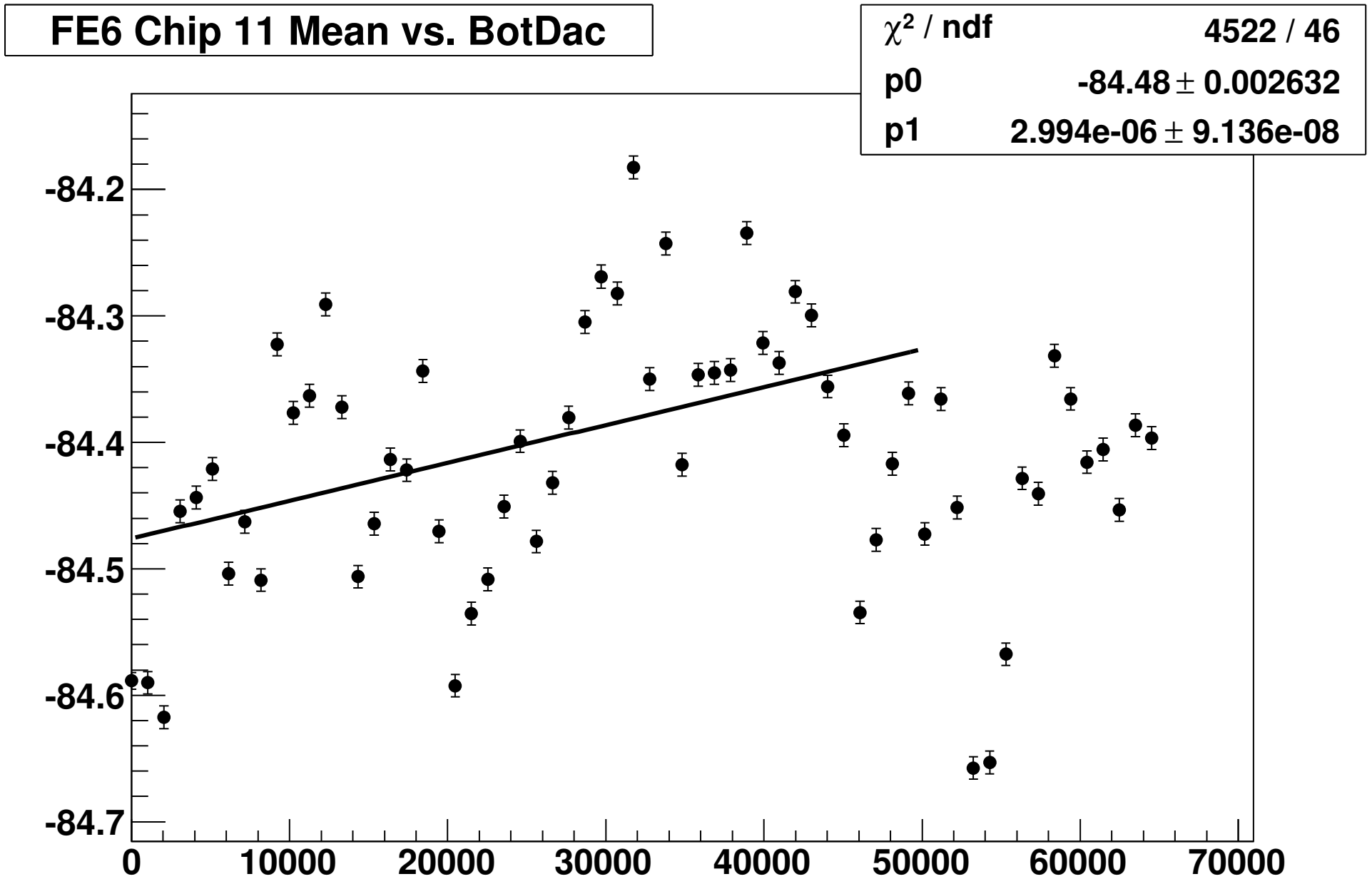

FE6 Chip 9 Rms vs. TopDac
χ² / ndf 6889 / 46
p0 1.368 ± 0.001496
p1 3.434e-05 ± 8.042e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

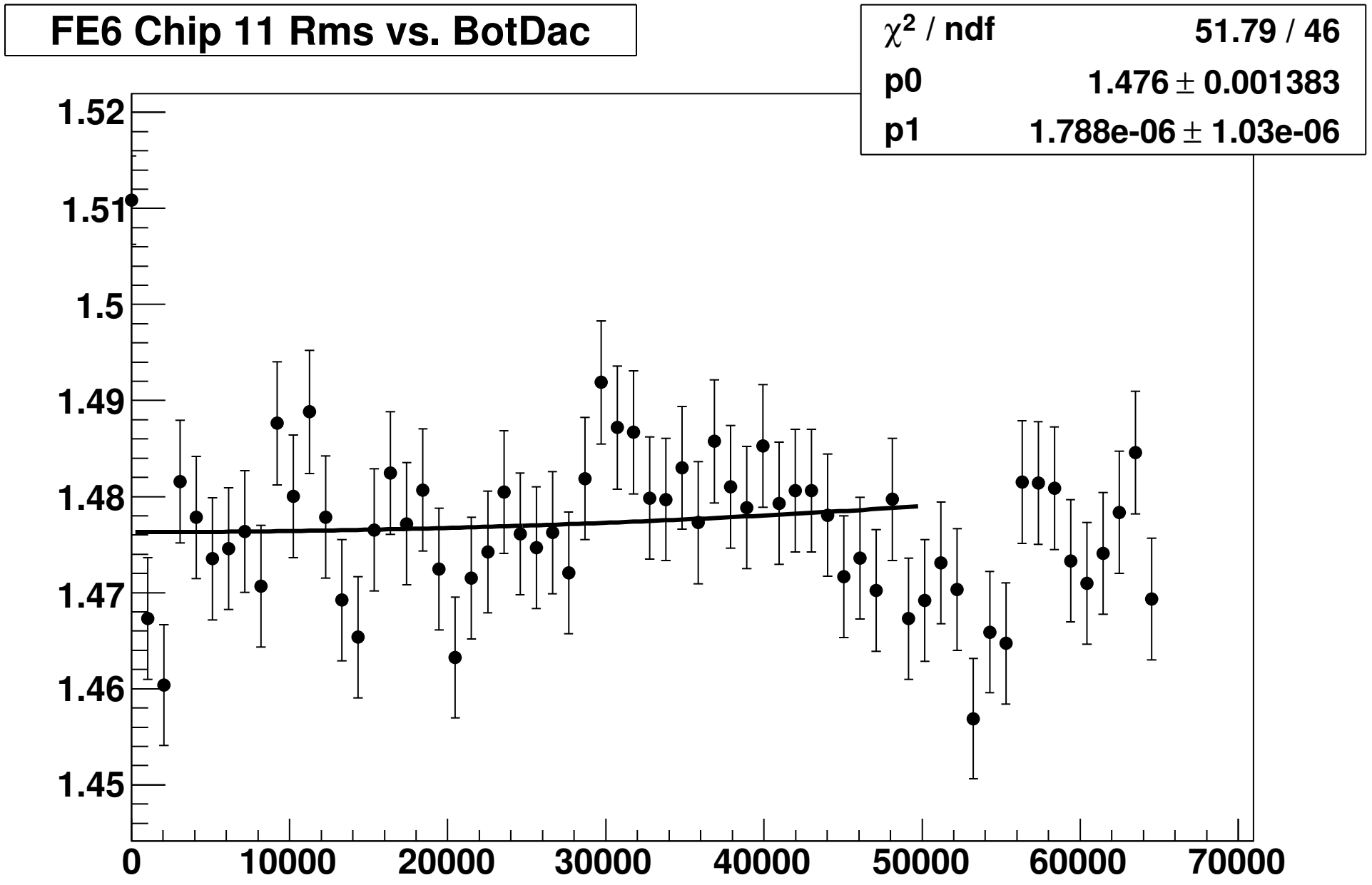

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 4978 / 46
p0 -89.83 ± 0.002606
p1 2.638e-06 ± 9.044e-08
-89.5
-89.6
-89.7
-89.8
-89.9
-90
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 41.78 / 46
p0 1.461 ± 0.001366
p1 7.121e-07 ± 2.52e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 3.123e+05 / 46
p0 -91.45 ± 0.002643
p1 0.4526 ± 1.054e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1779 / 46
p0 1.349 ± 0.001484
p1 3.46e-05 ± 7.896e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 4522 / 46
p0 -84.48 ± 0.002632
p1 2.994e-06 ± 9.136e-08
-84.2
-84.3
-84.4
-84.5
-84.6
-84.7
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 51.79 / 46
p0 1.476 ± 0.001383
p1 1.788e-06 ± 1.03e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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50000
60000
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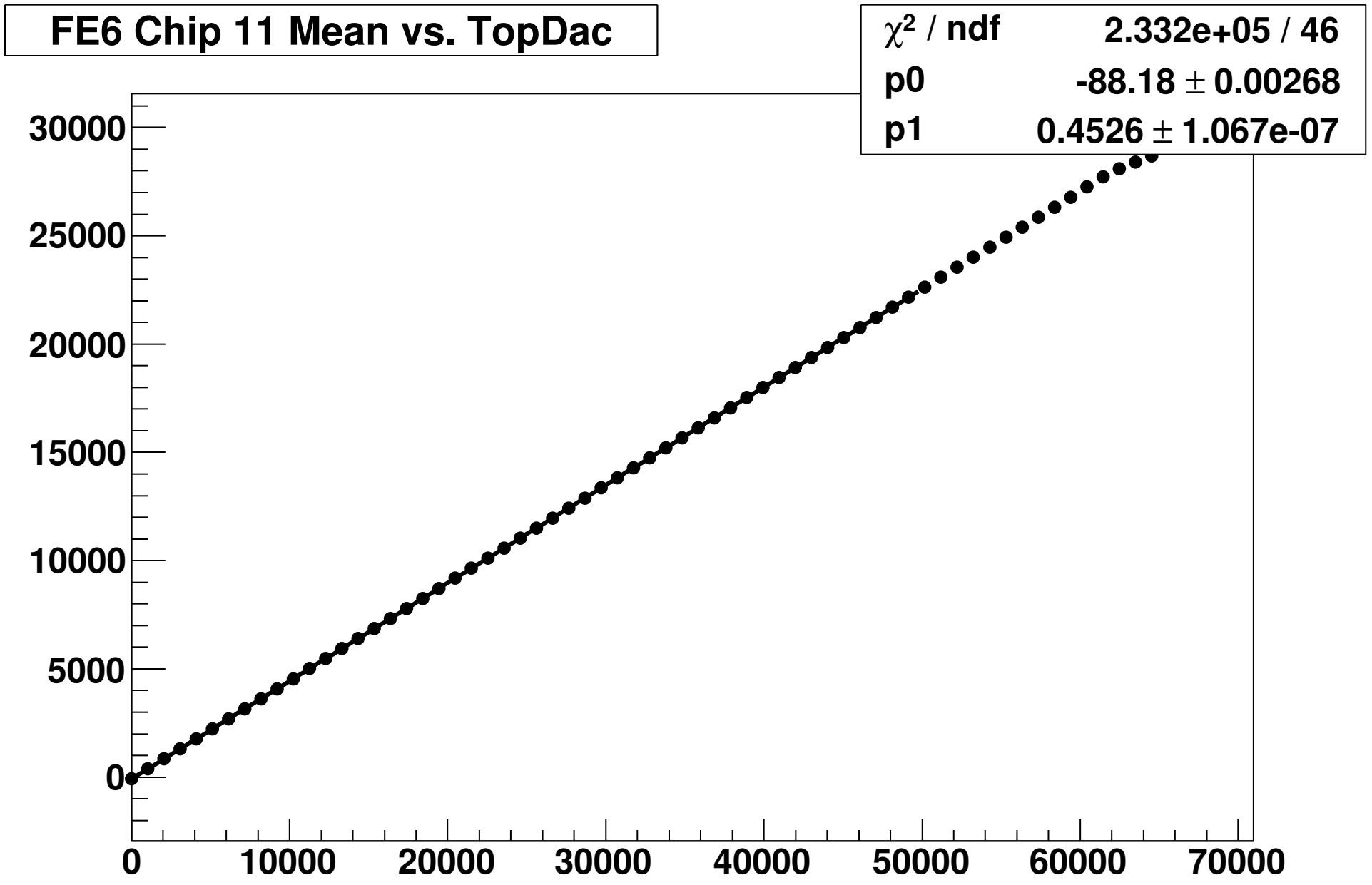
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 2.332e+05 / 46
p0 -88.18 ± 0.00268
p1 0.4526 ± 1.067e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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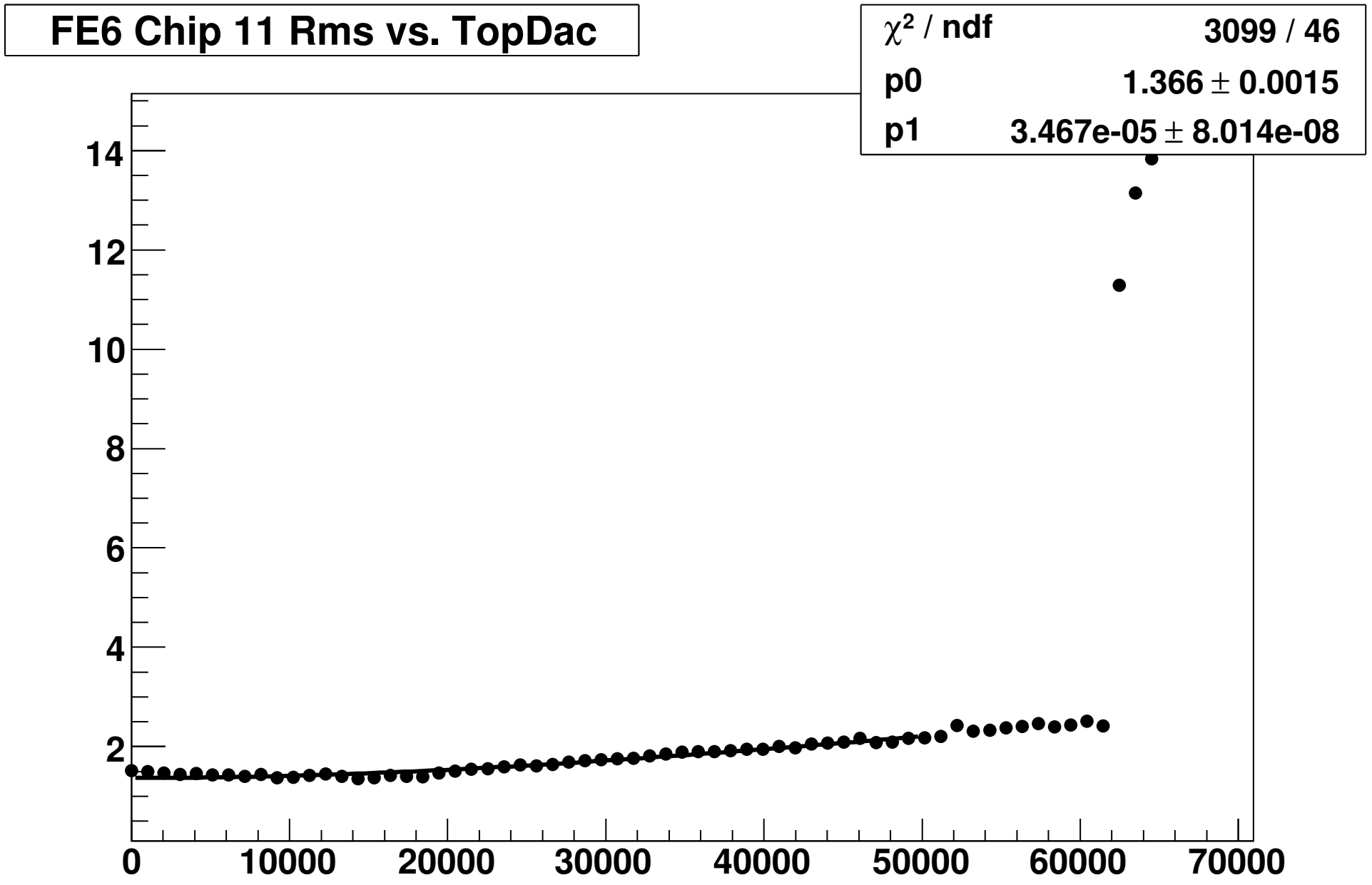
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 3099 / 46
p0 1.366 ± 0.0015
p1 3.467e-05 ± 8.014e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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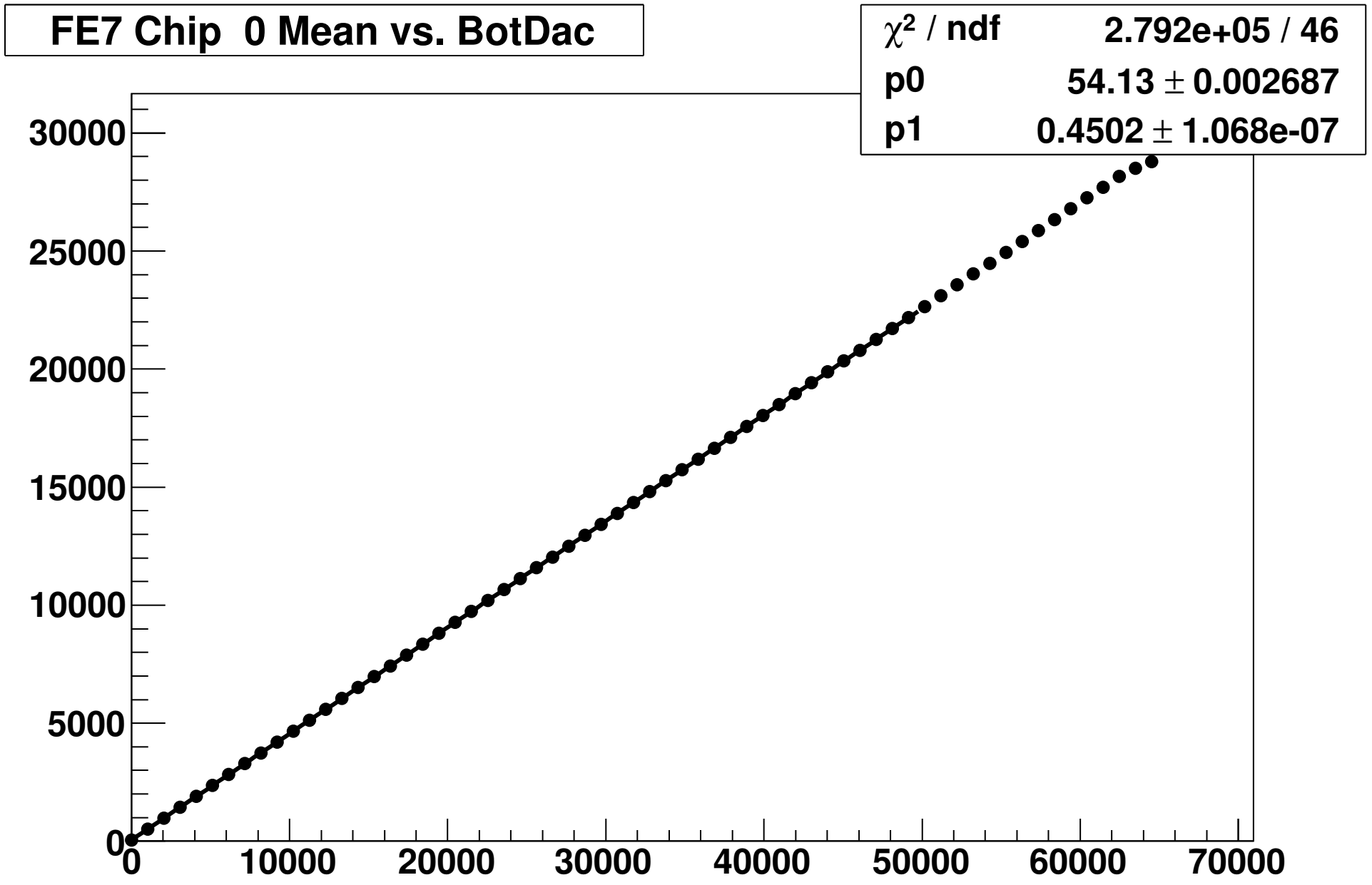
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 2.792e+05 / 46
p0 54.13 ± 0.002687
p1 0.4502 ± 1.068e-07
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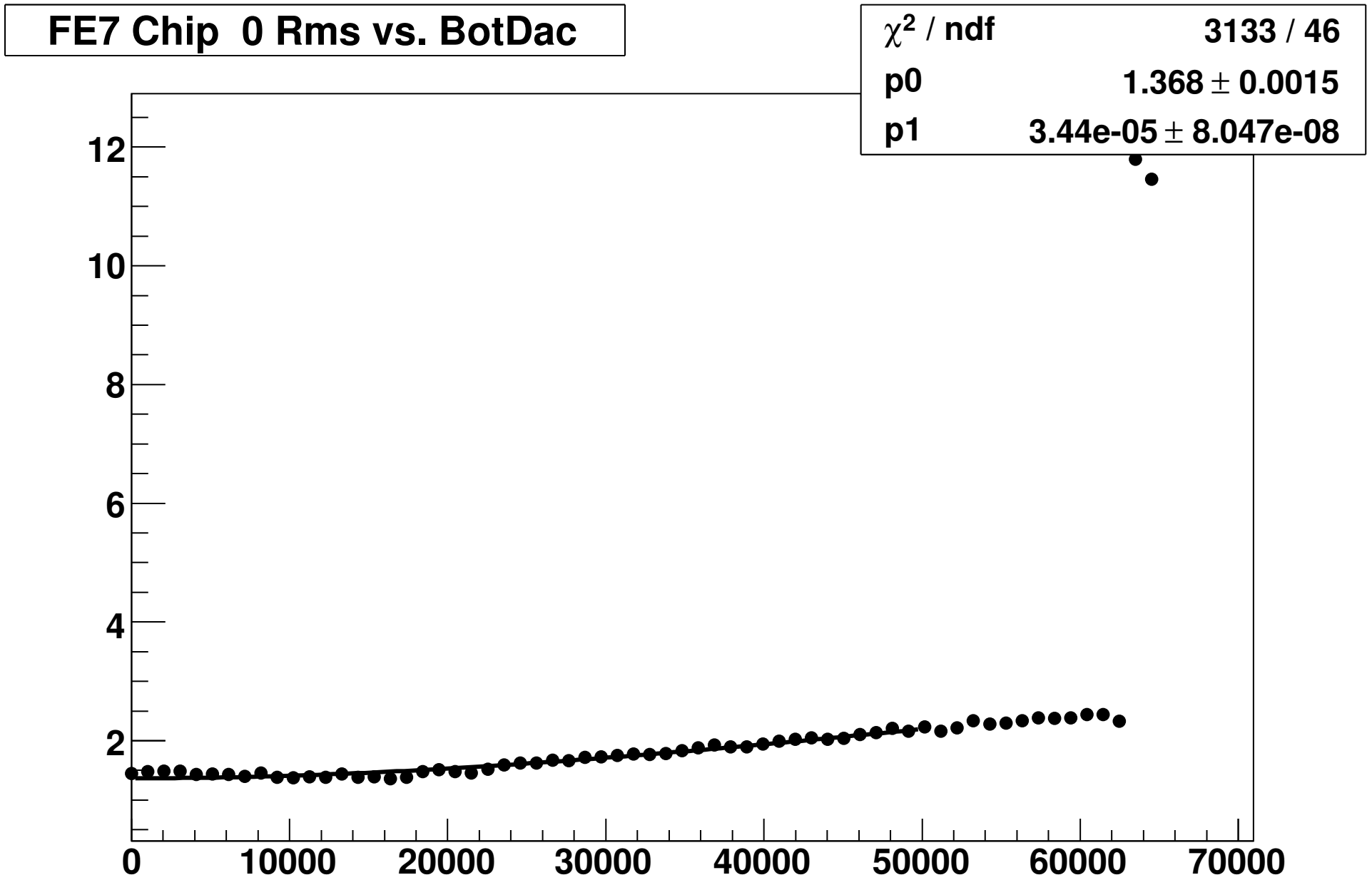
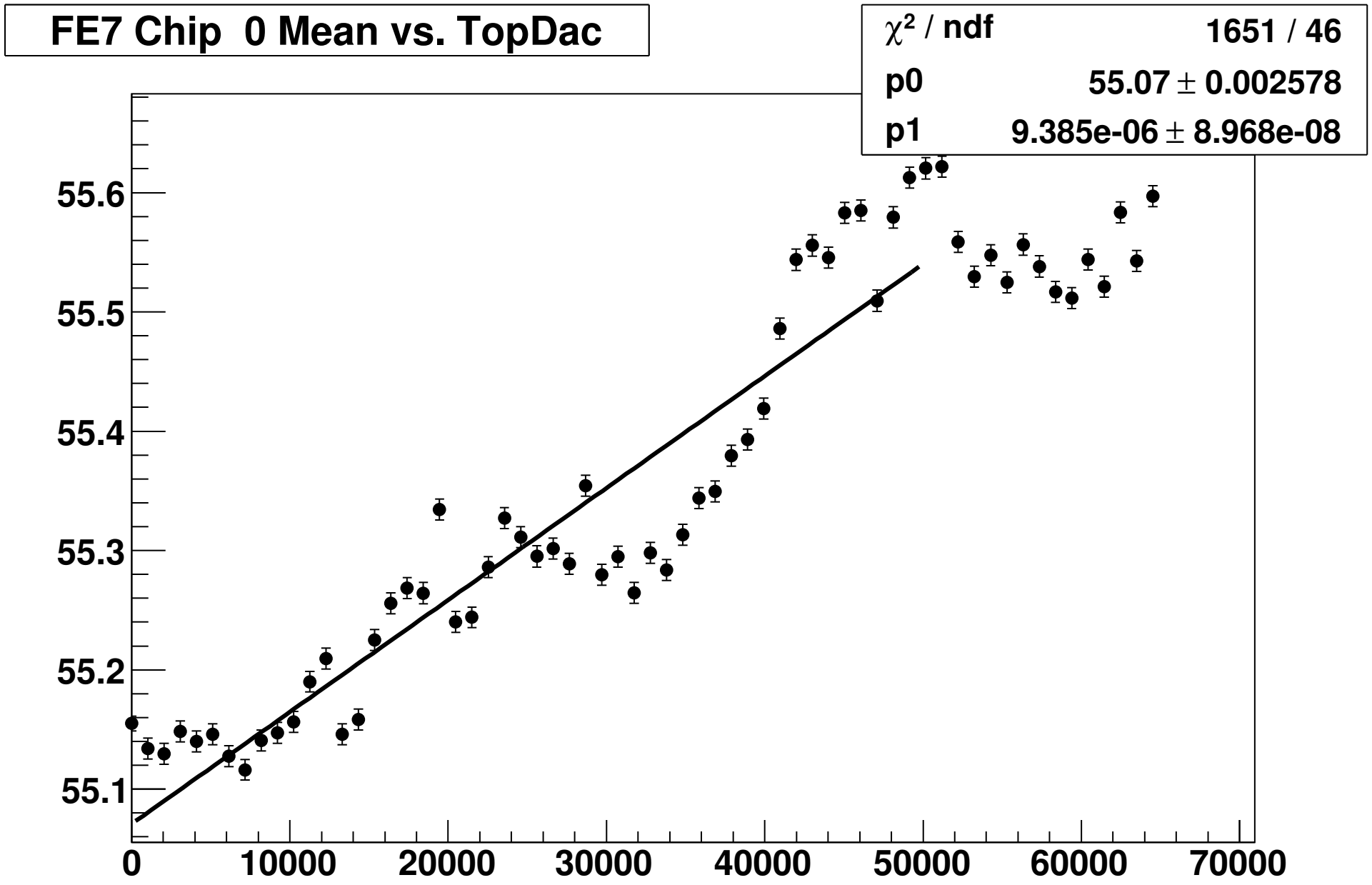
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 3133 / 46
p0 1.368 ± 0.0015
p1 3.44e-05 ± 8.047e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 1651 / 46
p0 55.07 ± 0.002578
p1 9.385e-06 ± 8.968e-08
55.6
55.5
55.4
55.3
55.2
55.1
0
10000
20000
30000
40000
50000
60000
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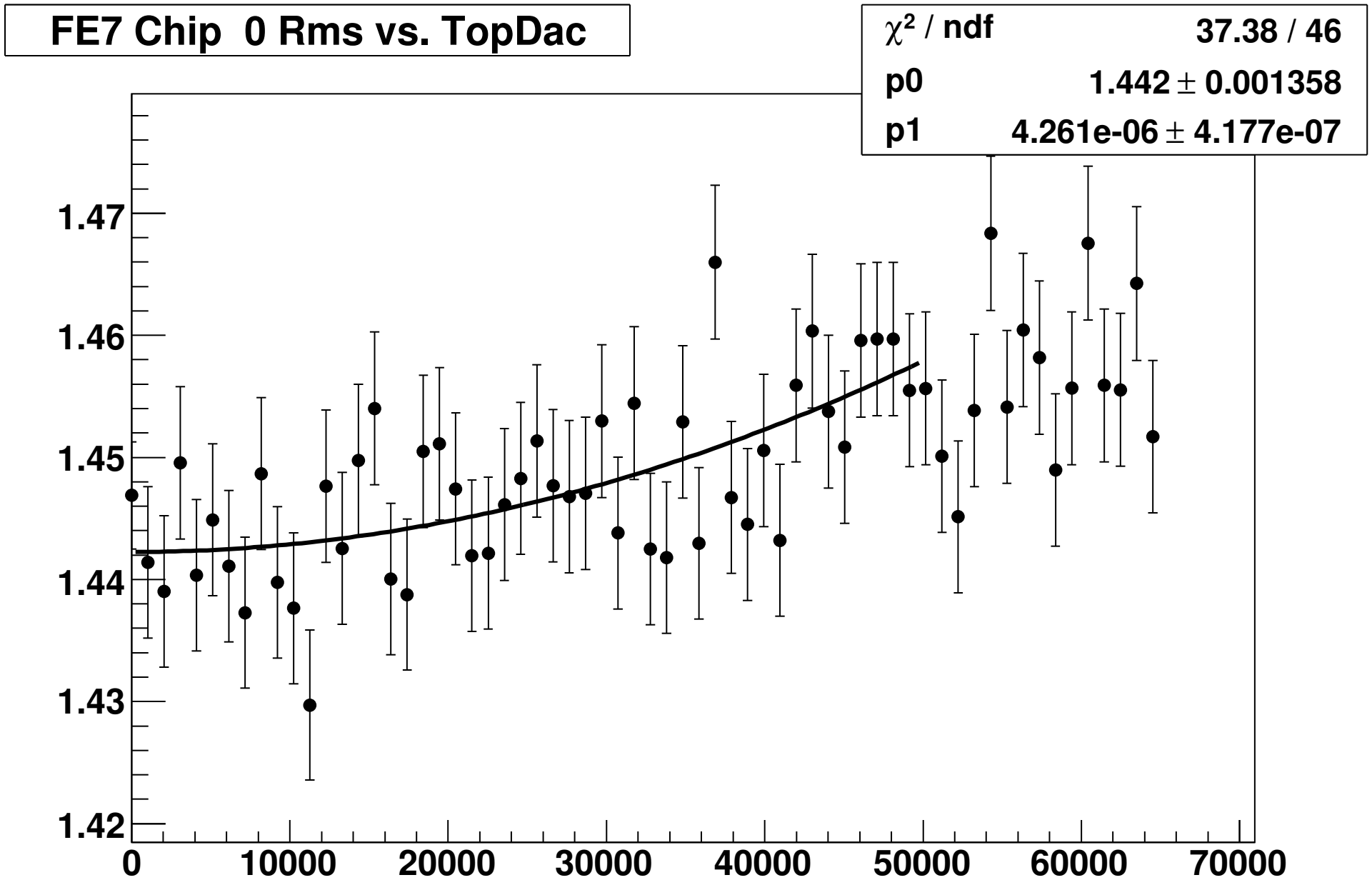
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 37.38 / 46
p0 1.442 ± 0.001358
p1 4.261e-06 ± 4.177e-07
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
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50000
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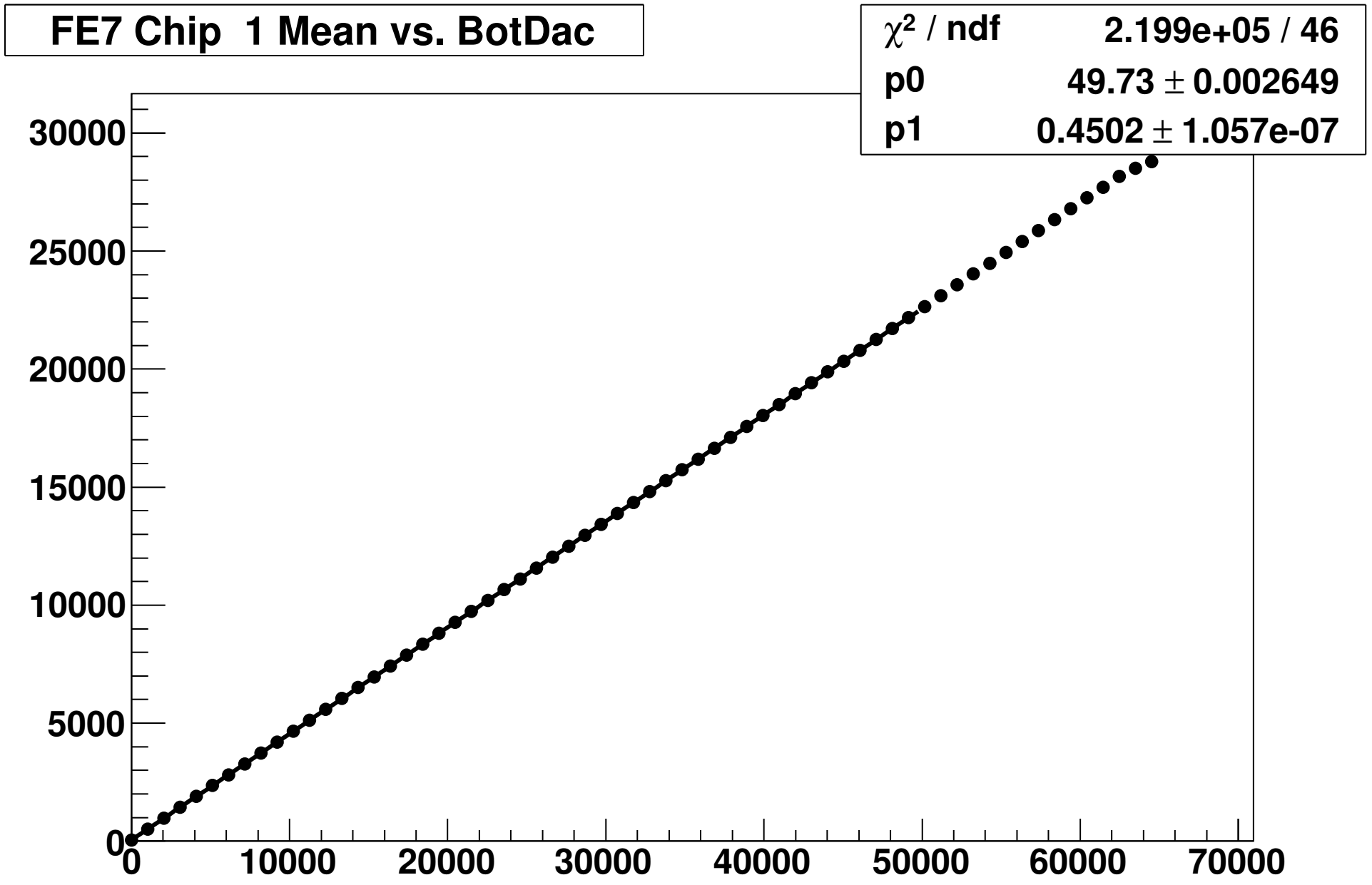
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 2.199e+05 / 46
p0 49.73 ± 0.002649
p1 0.4502 ± 1.057e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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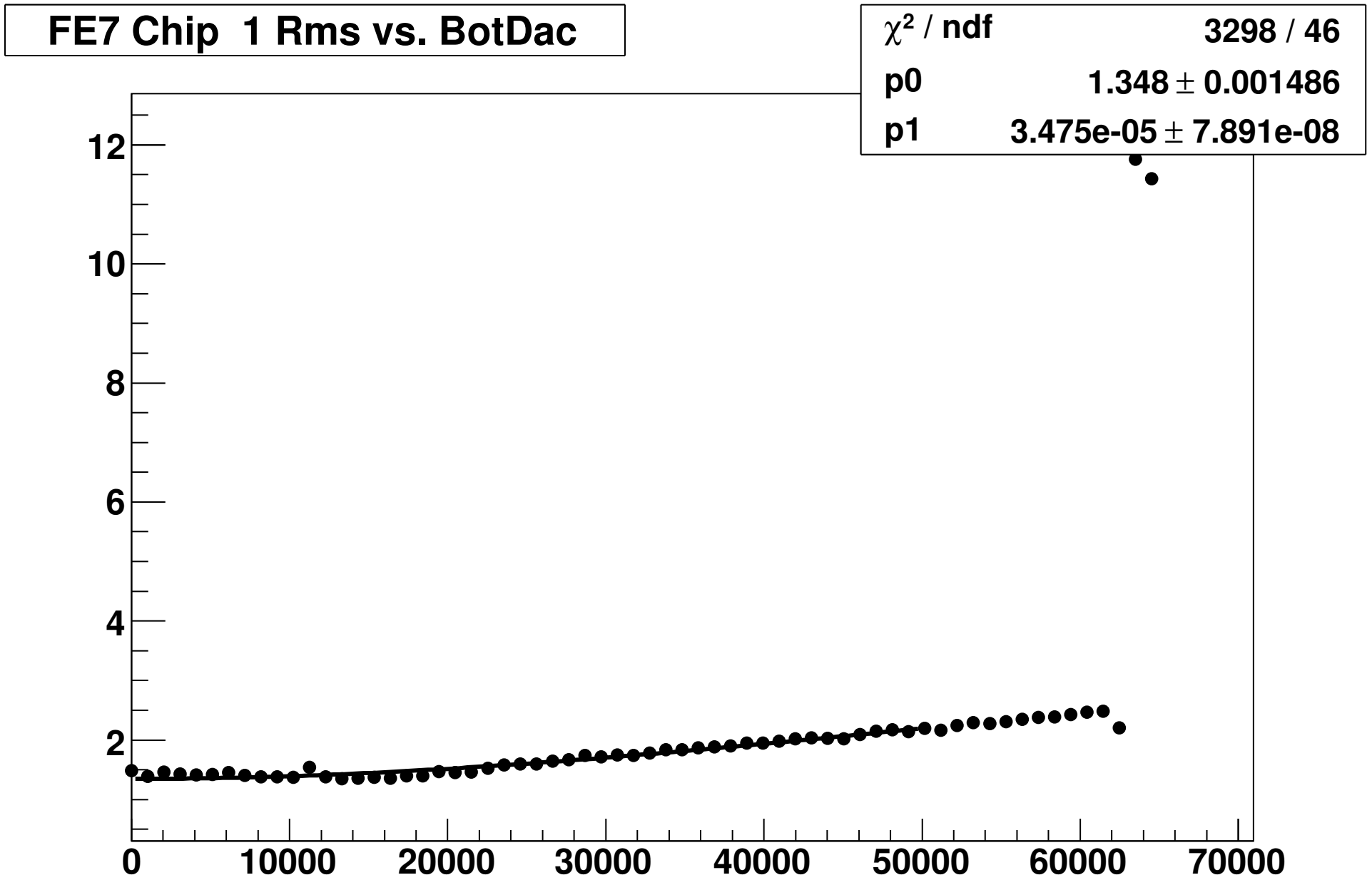
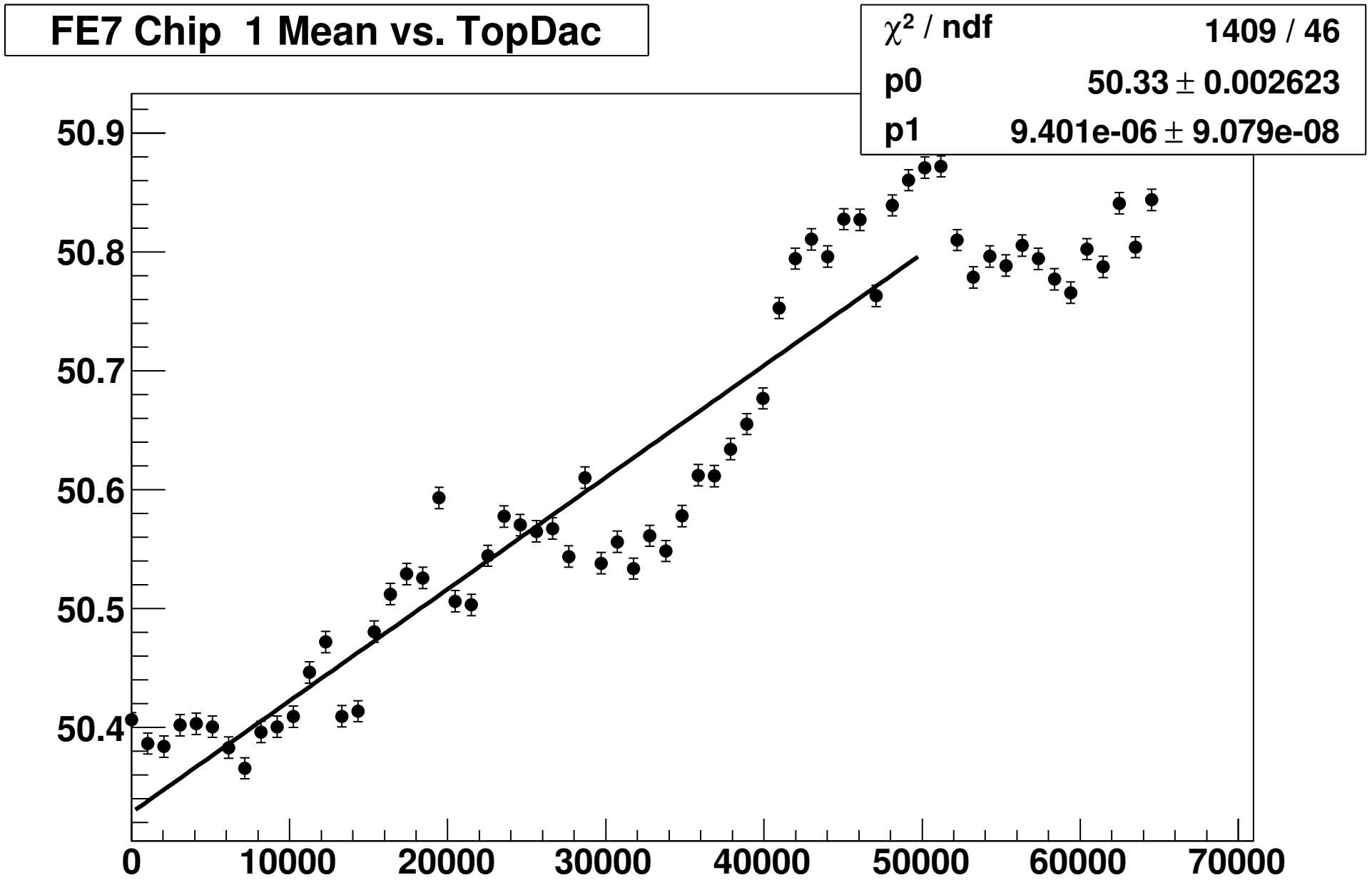
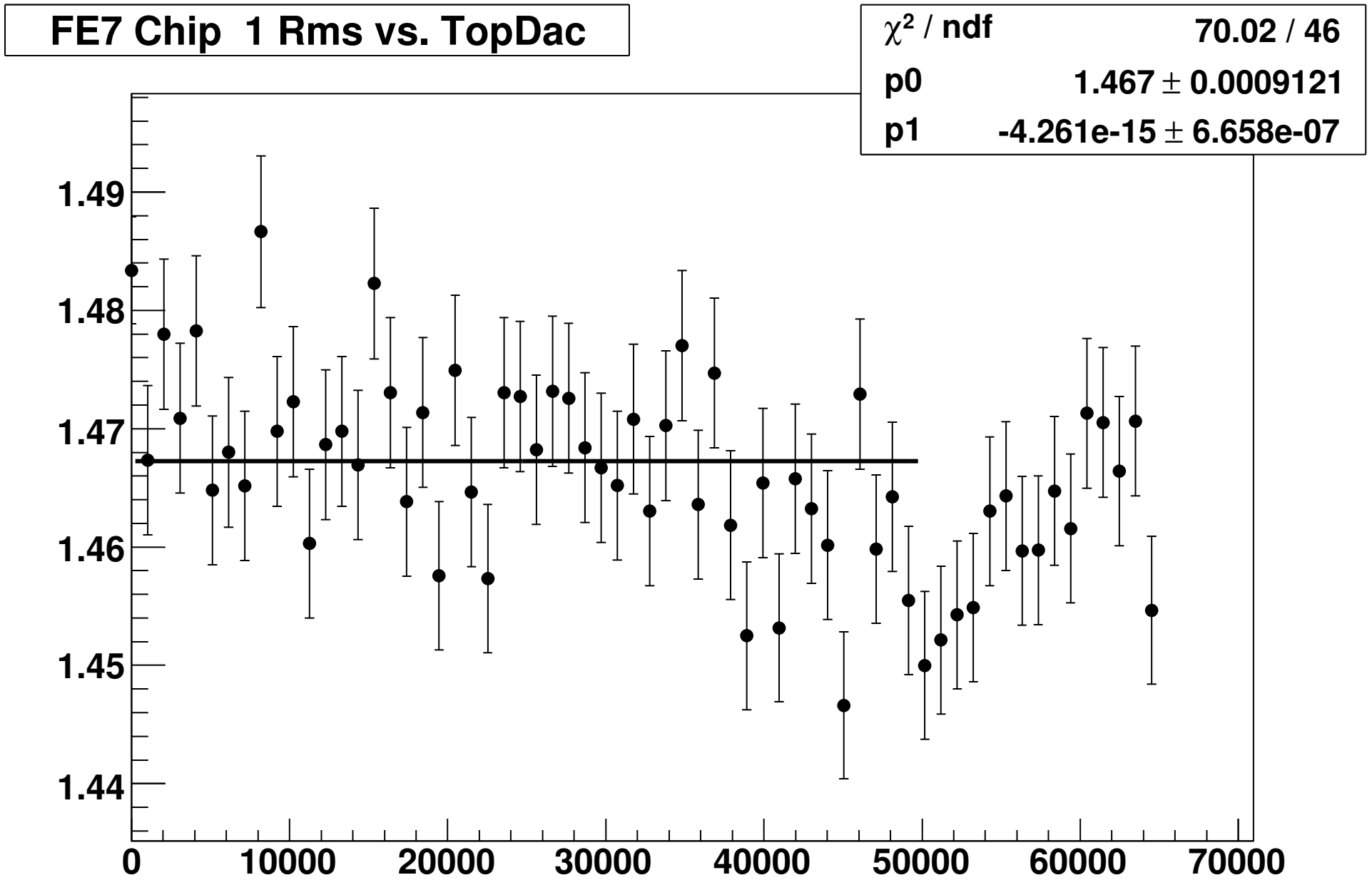
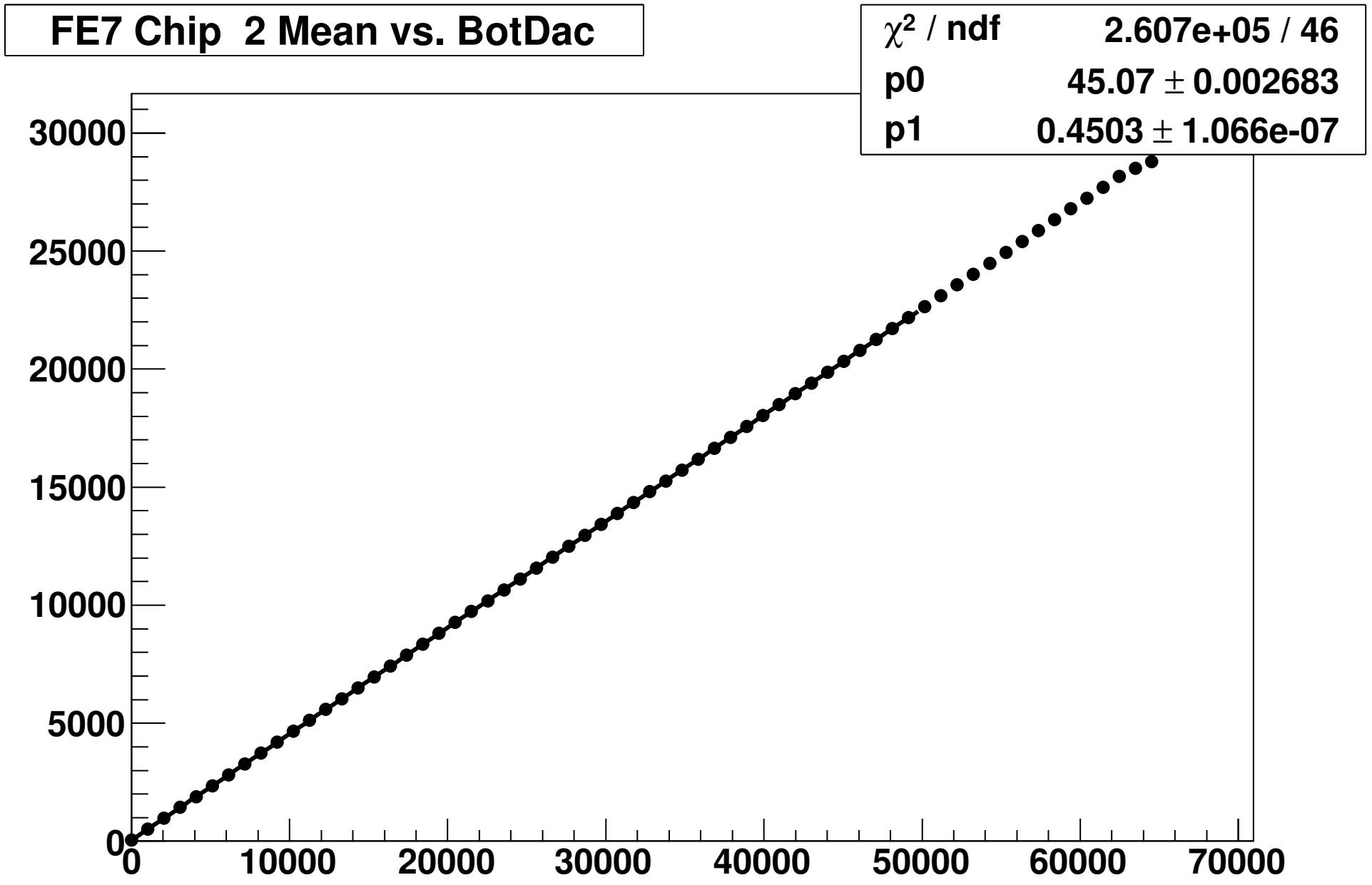
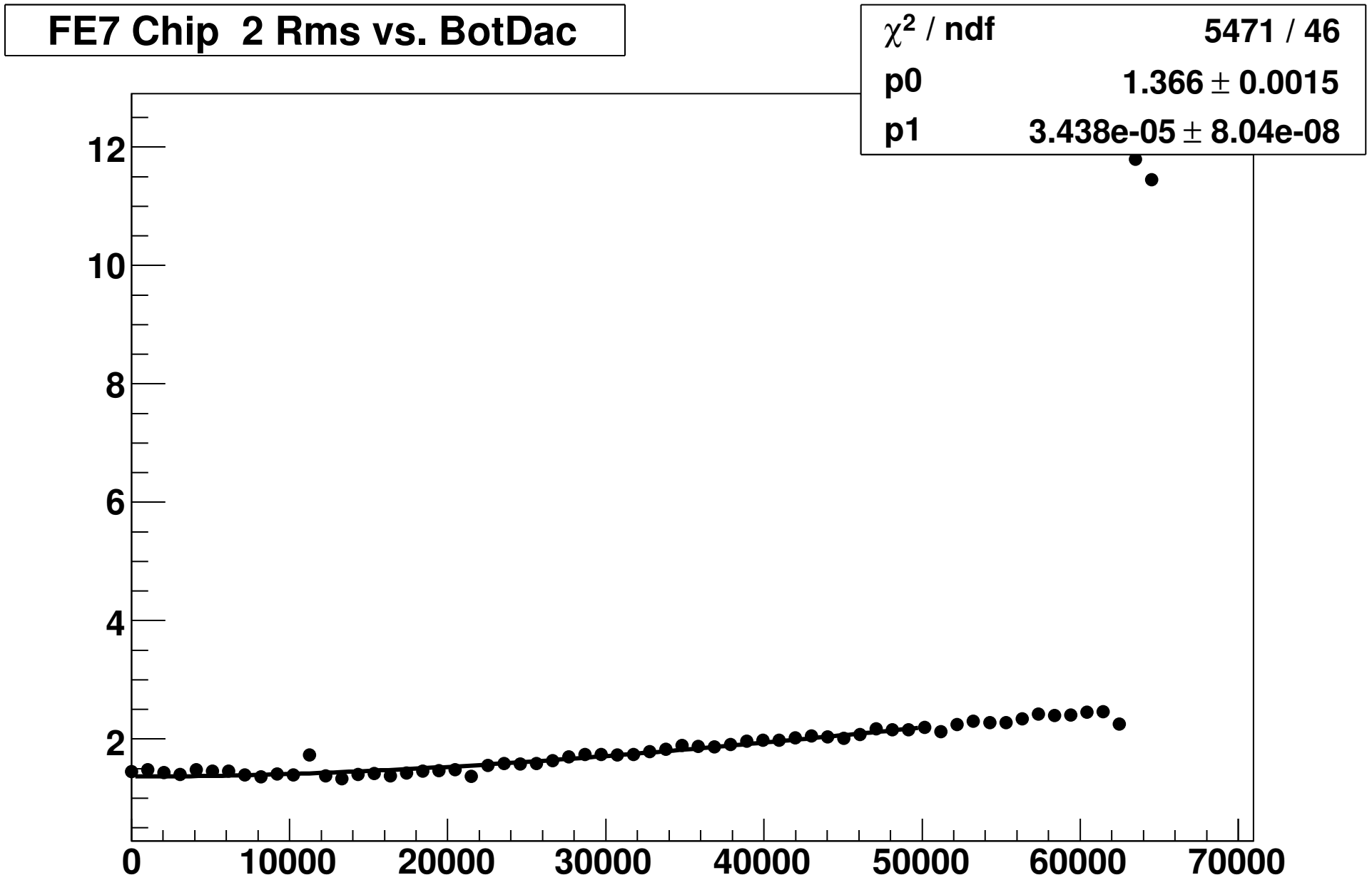
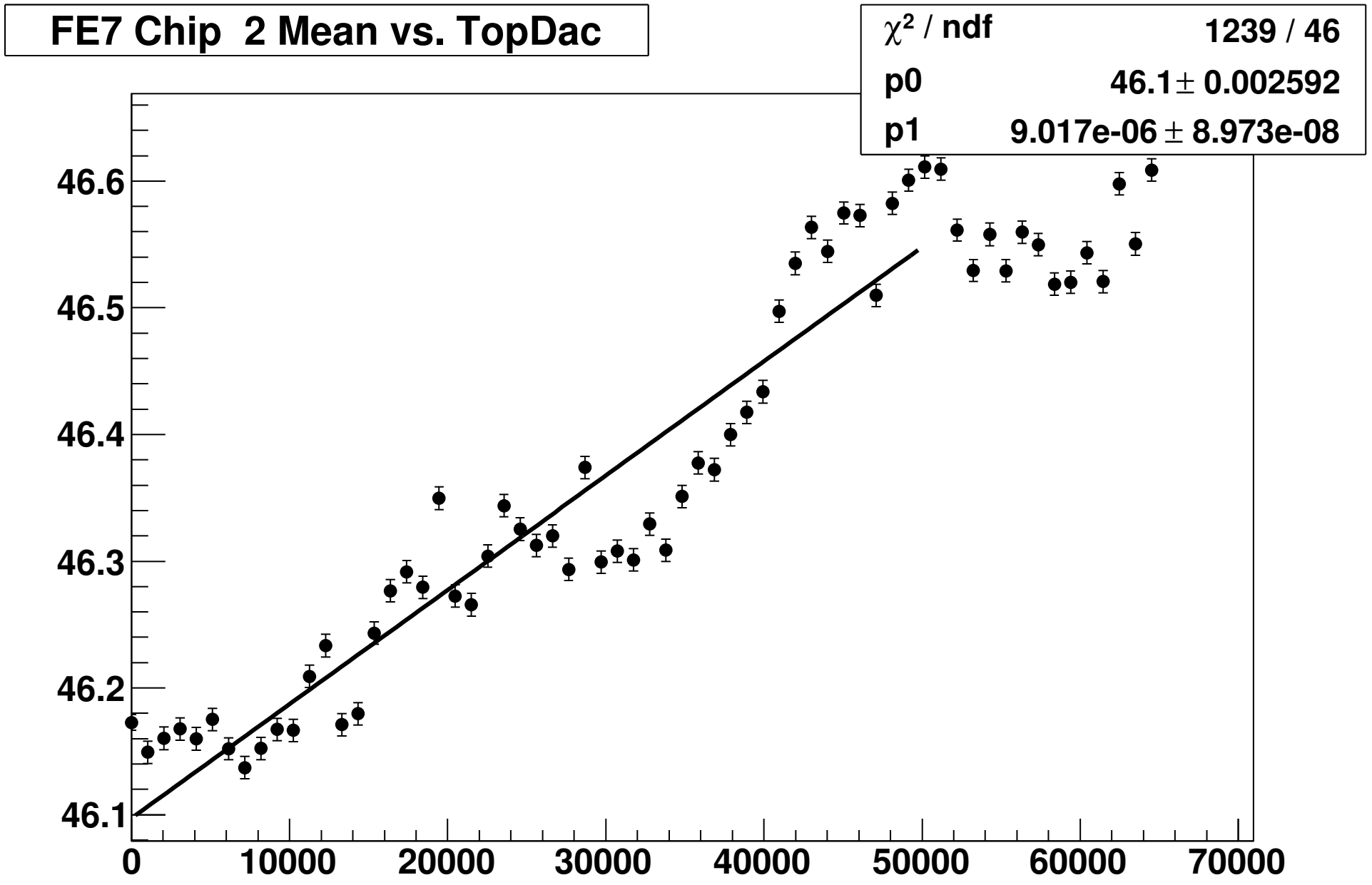

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 3298 / 46
p0 1.348 ± 0.001486
p1 3.475e-05 ± 7.891e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

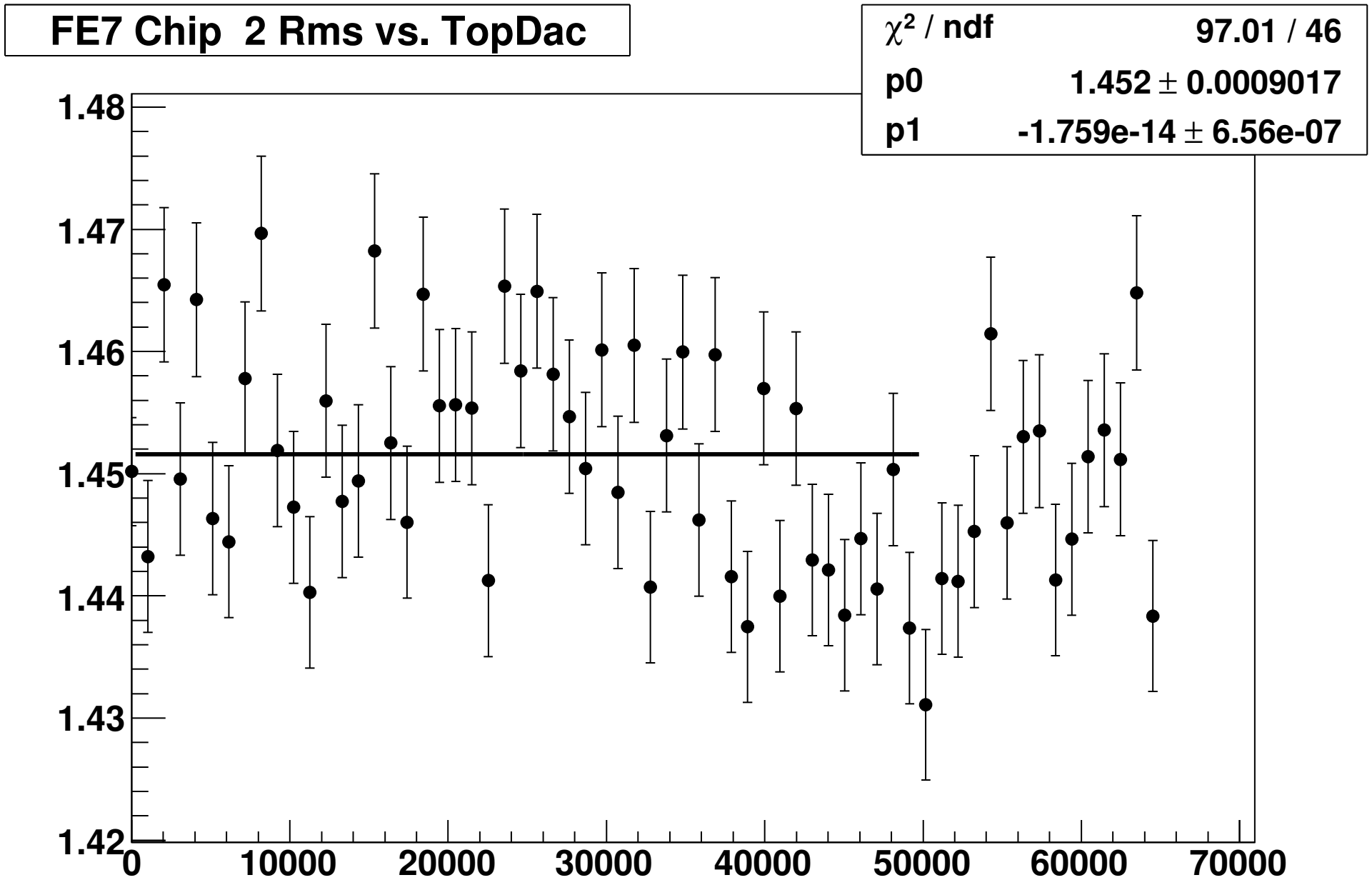

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 1409 / 46
p0 50.33 ± 0.002623
p1 9.401e-06 ± 9.079e-08
50.9
50.8
50.7
50.6
50.5
50.4
0
10000
20000
30000
40000
50000
60000
70000

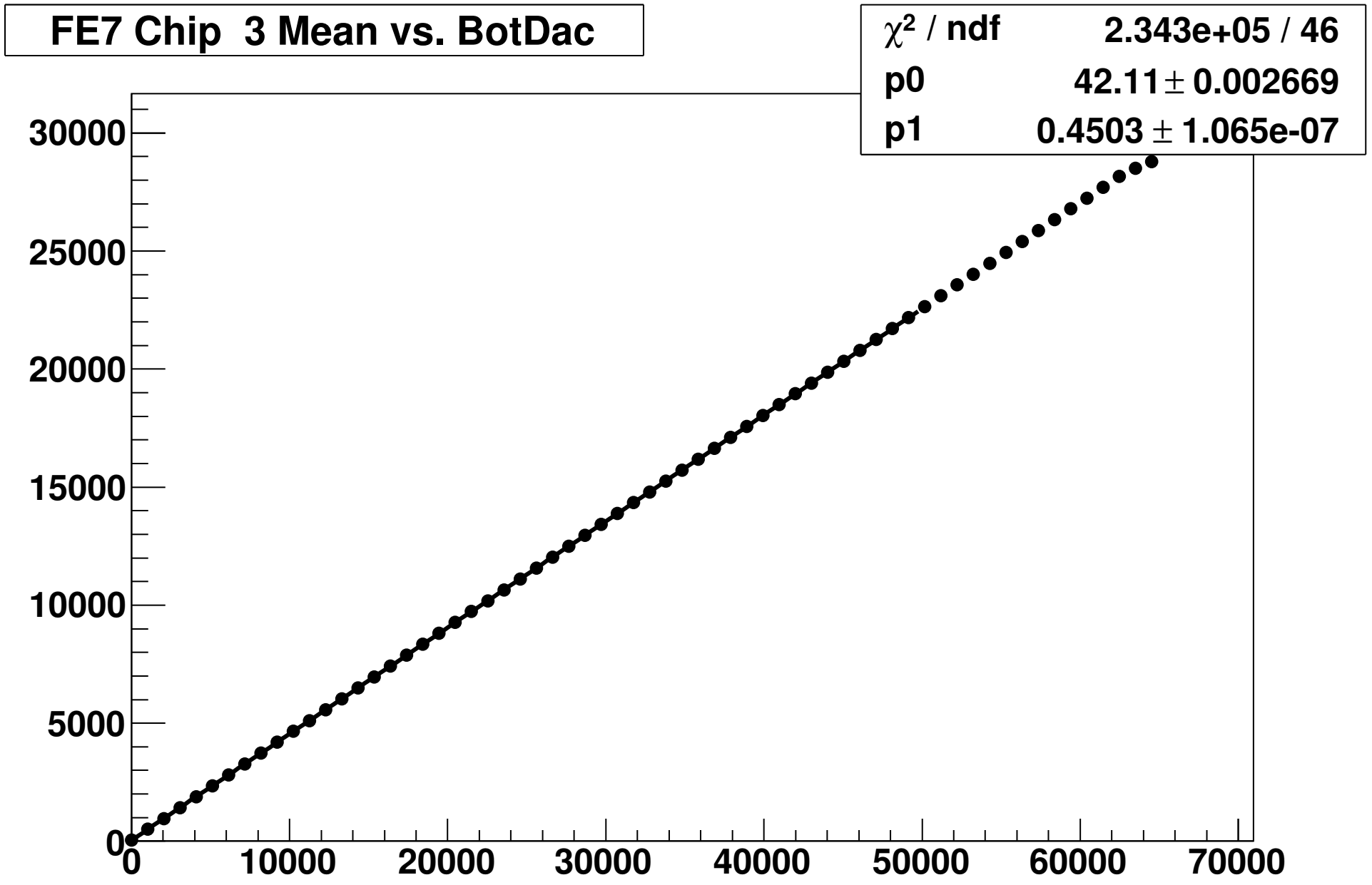

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 70.02 / 46
p0 1.467 ± 0.0009121
p1 -4.261e-15 ± 6.658e-07
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

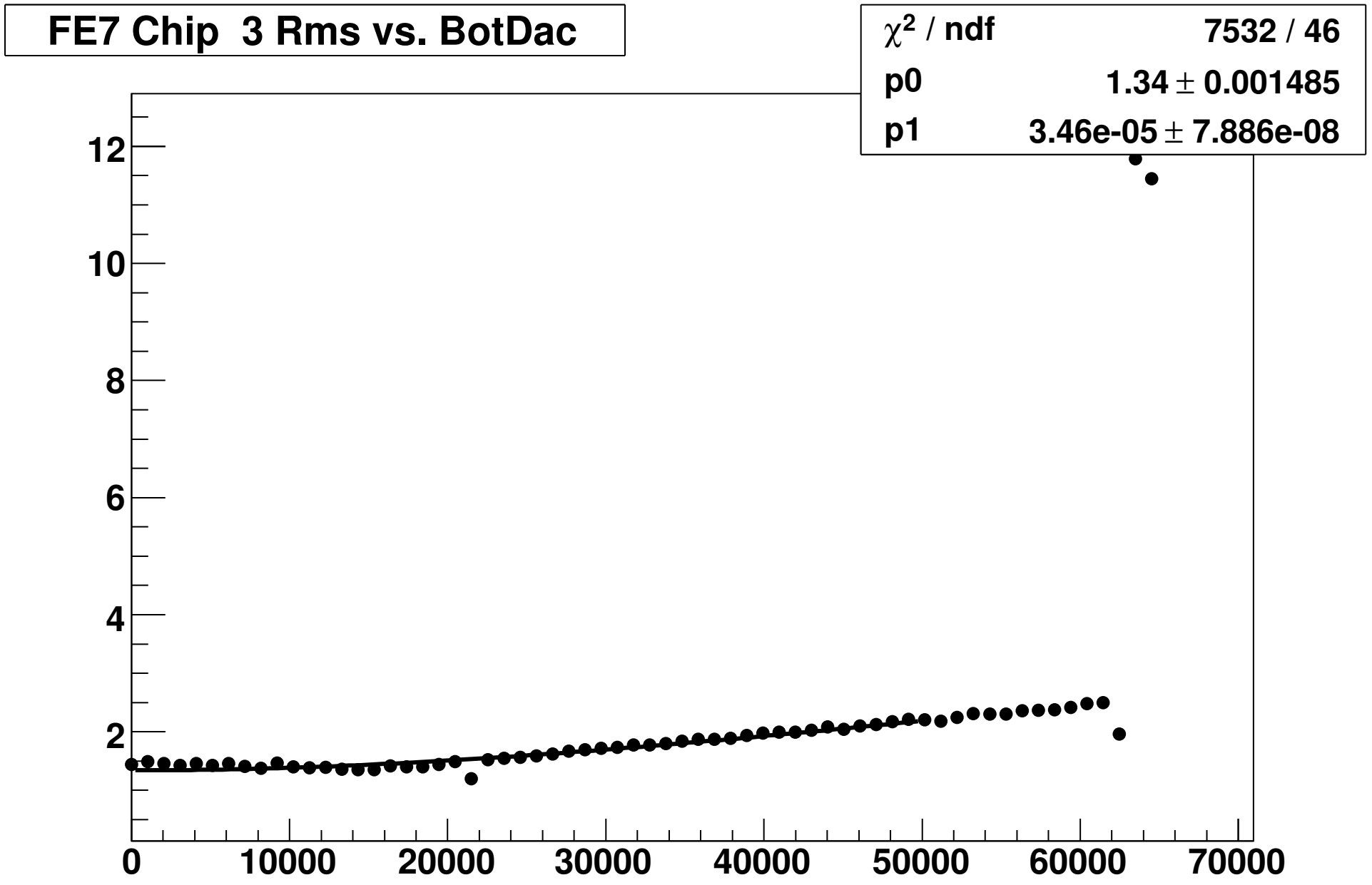

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 2.607e+05 / 46
p0 45.07 ± 0.002683
p1 0.4503 ± 1.066e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

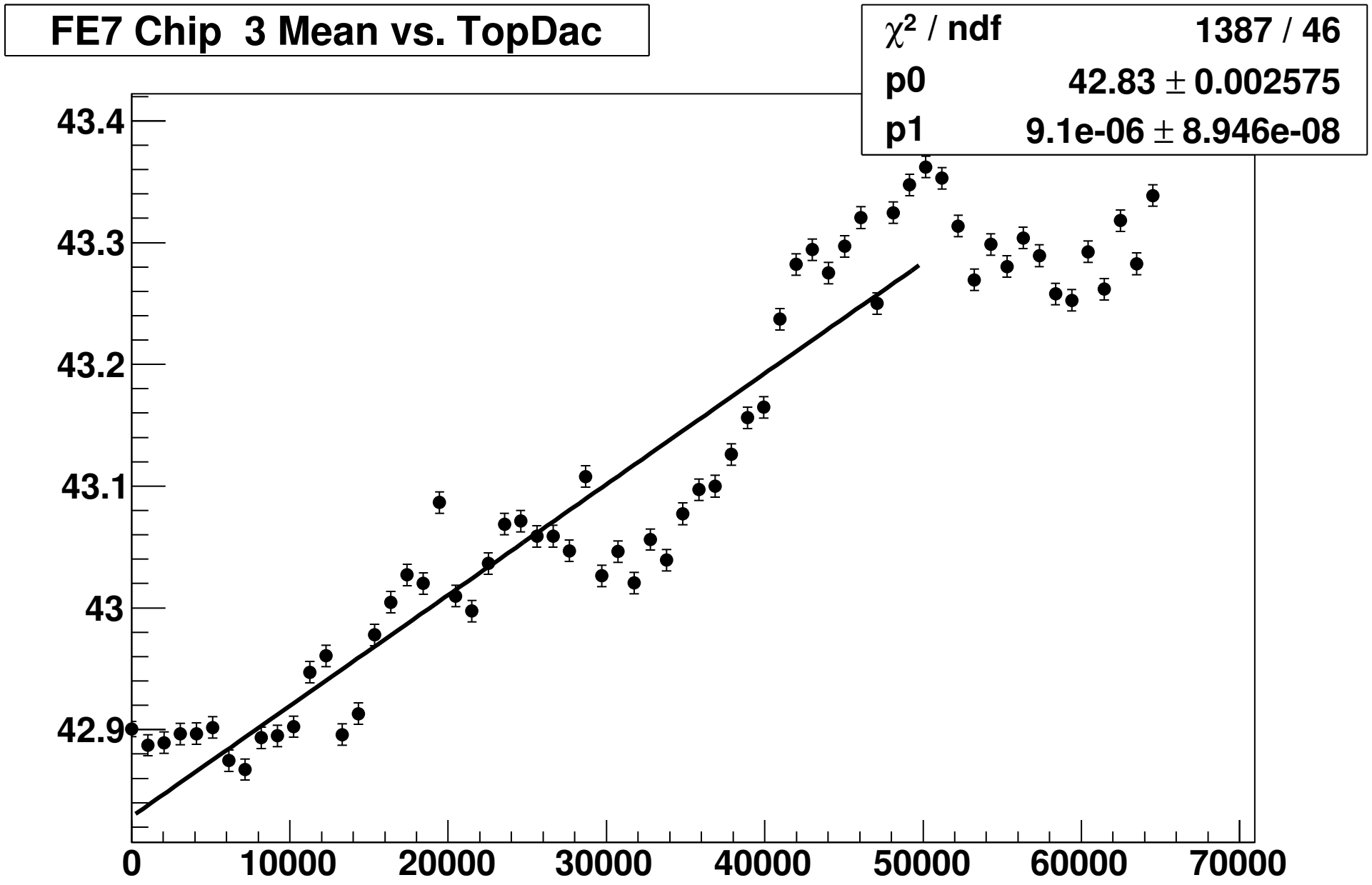

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 5471 / 46
p0 1.366 ± 0.0015
p1 3.438e-05 ± 8.04e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

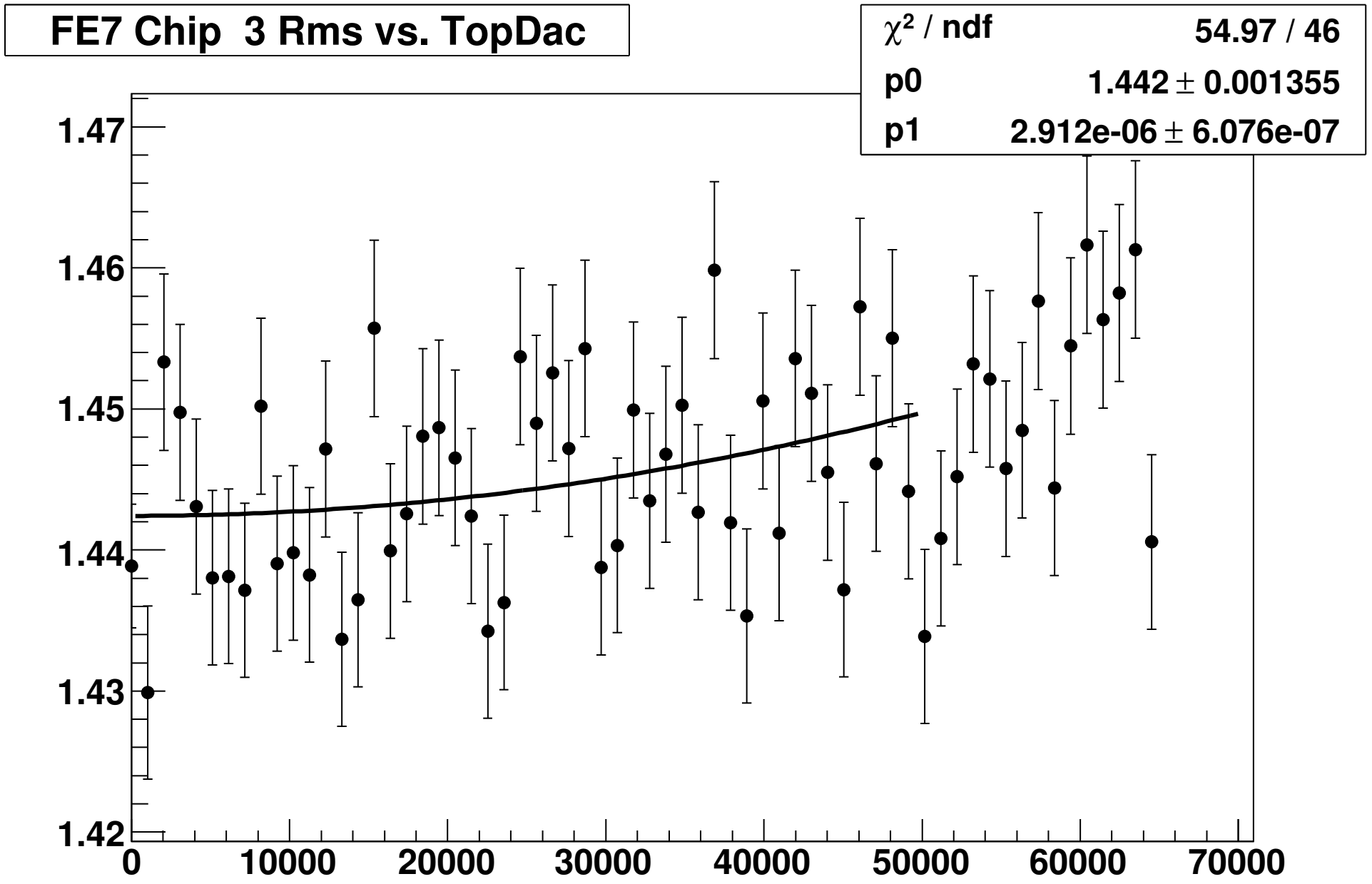

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 1239 / 46
p0 46.1 ± 0.002592
p1 9.017e-06 ± 8.973e-08
46.6
46.5
46.4
46.3
46.2
46.1
0
10000
20000
30000
40000
50000
60000
70000

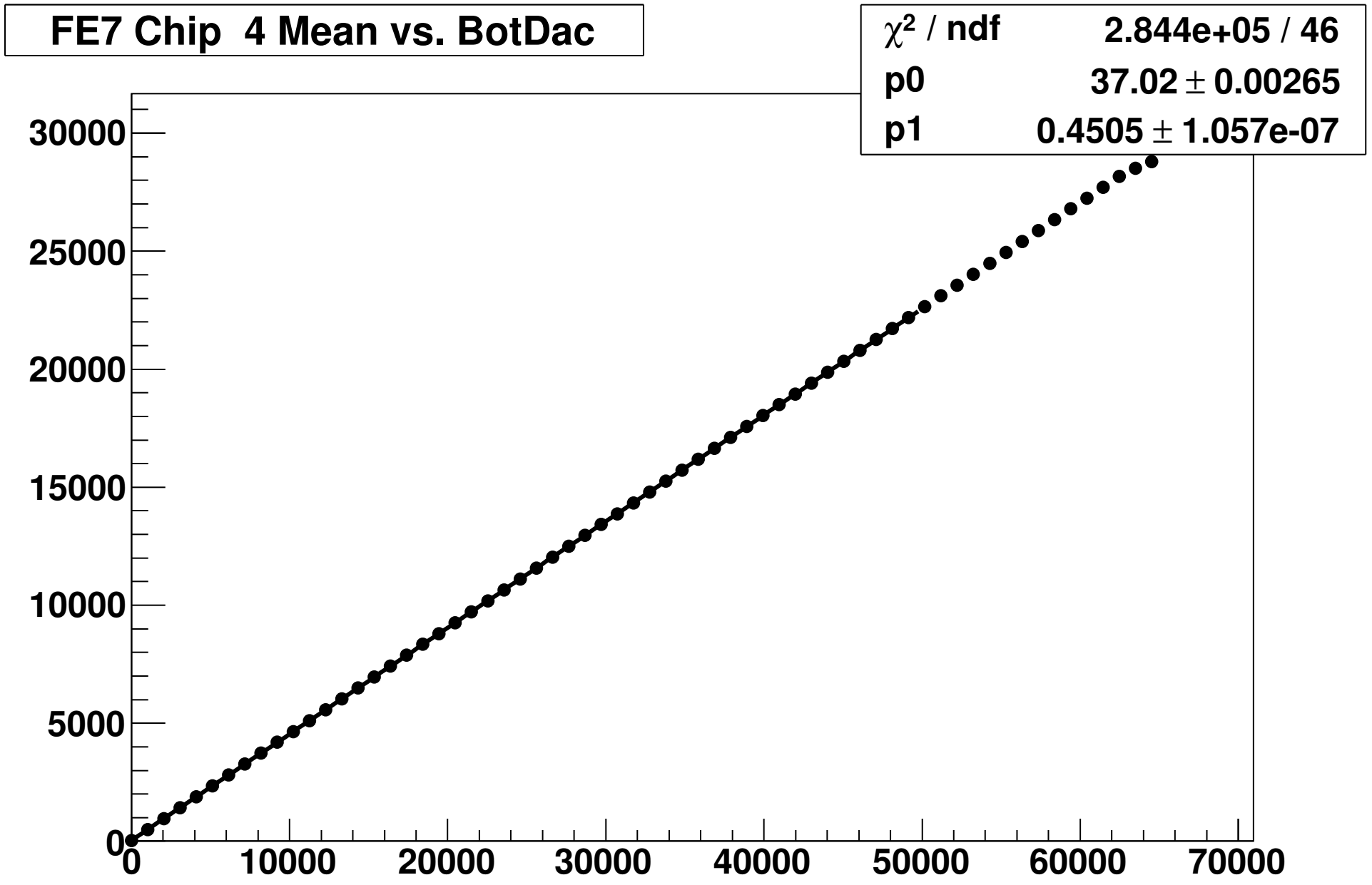

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 97.01 / 46
p0 1.452 ± 0.0009017
p1 -1.759e-14 ± 6.56e-07
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

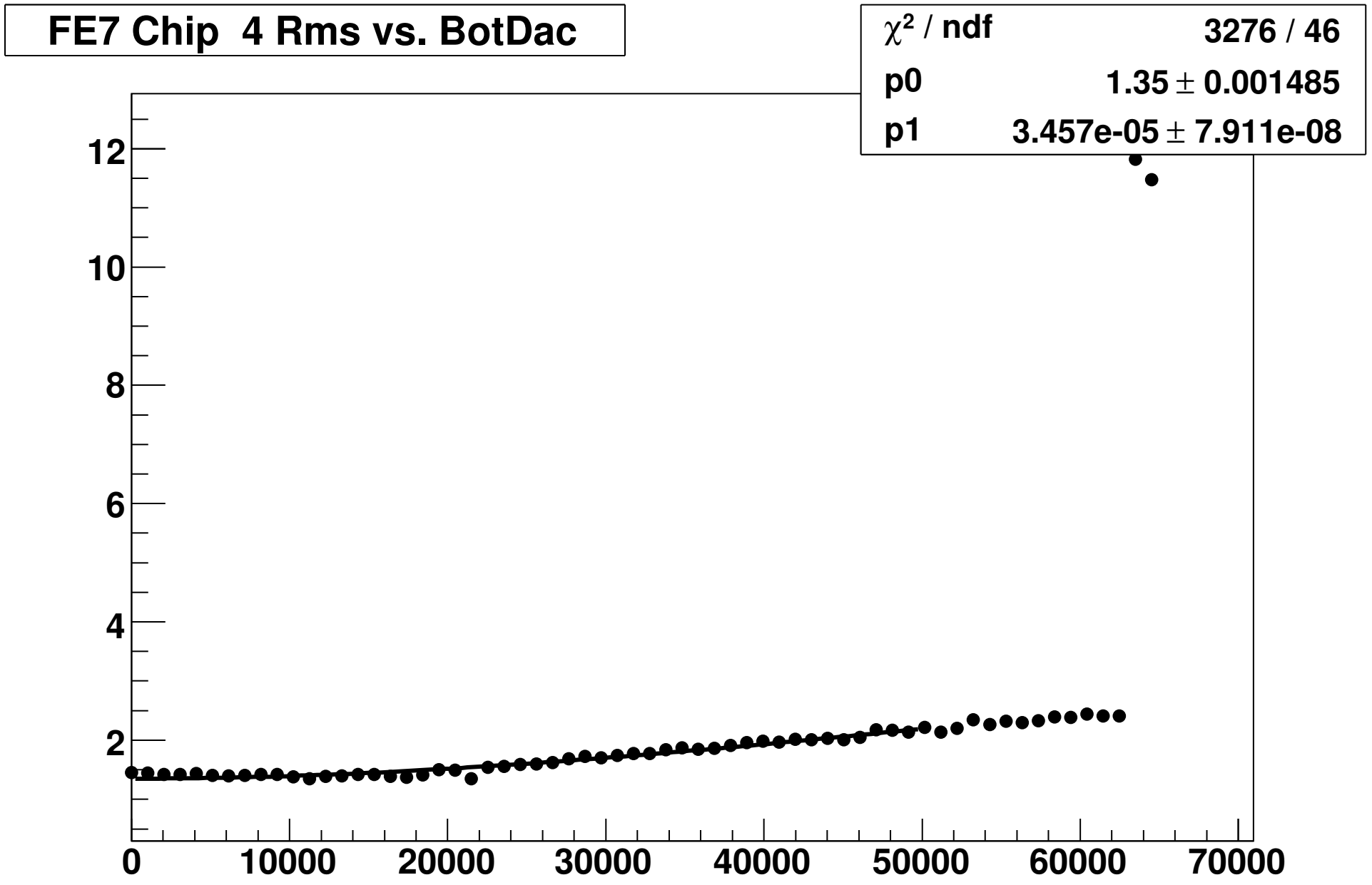

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 2.343e+05 / 46
p0 42.11 ± 0.002669
p1 0.4503 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 7532 / 46
p0 1.34 ± 0.001485
p1 3.46e-05 ± 7.886e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 1387 / 46
p0 42.83 ± 0.002575
p1 9.1e-06 ± 8.946e-08
43.4
43.3
43.2
43.1
43
42.9
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 54.97 / 46
p0 1.442 ± 0.001355
p1 2.912e-06 ± 6.076e-07
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.844e+05 / 46
p0 37.02 ± 0.00265
p1 0.4505 ± 1.057e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 3276 / 46
p0 1.35 ± 0.001485
p1 3.457e-05 ± 7.911e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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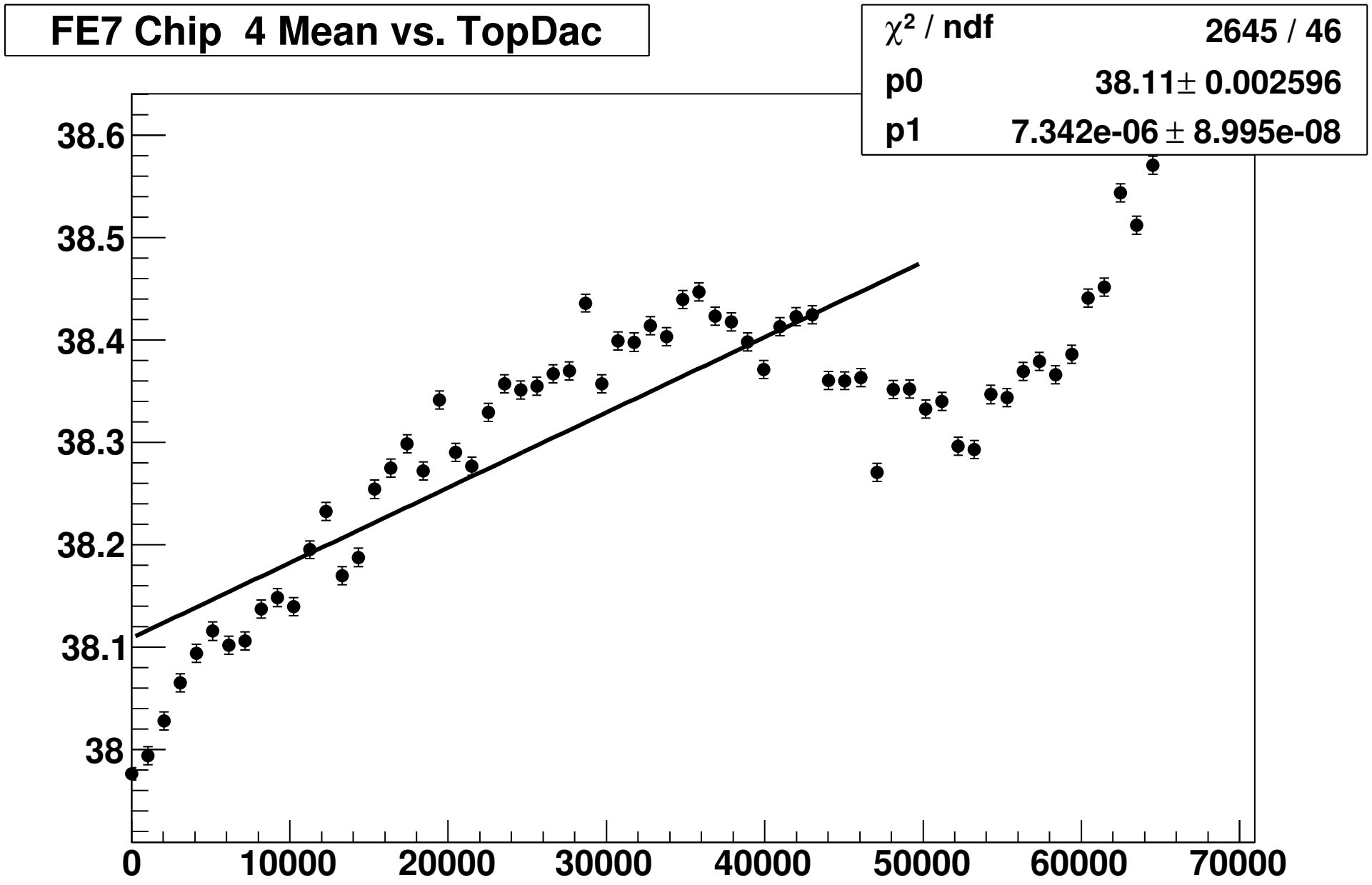
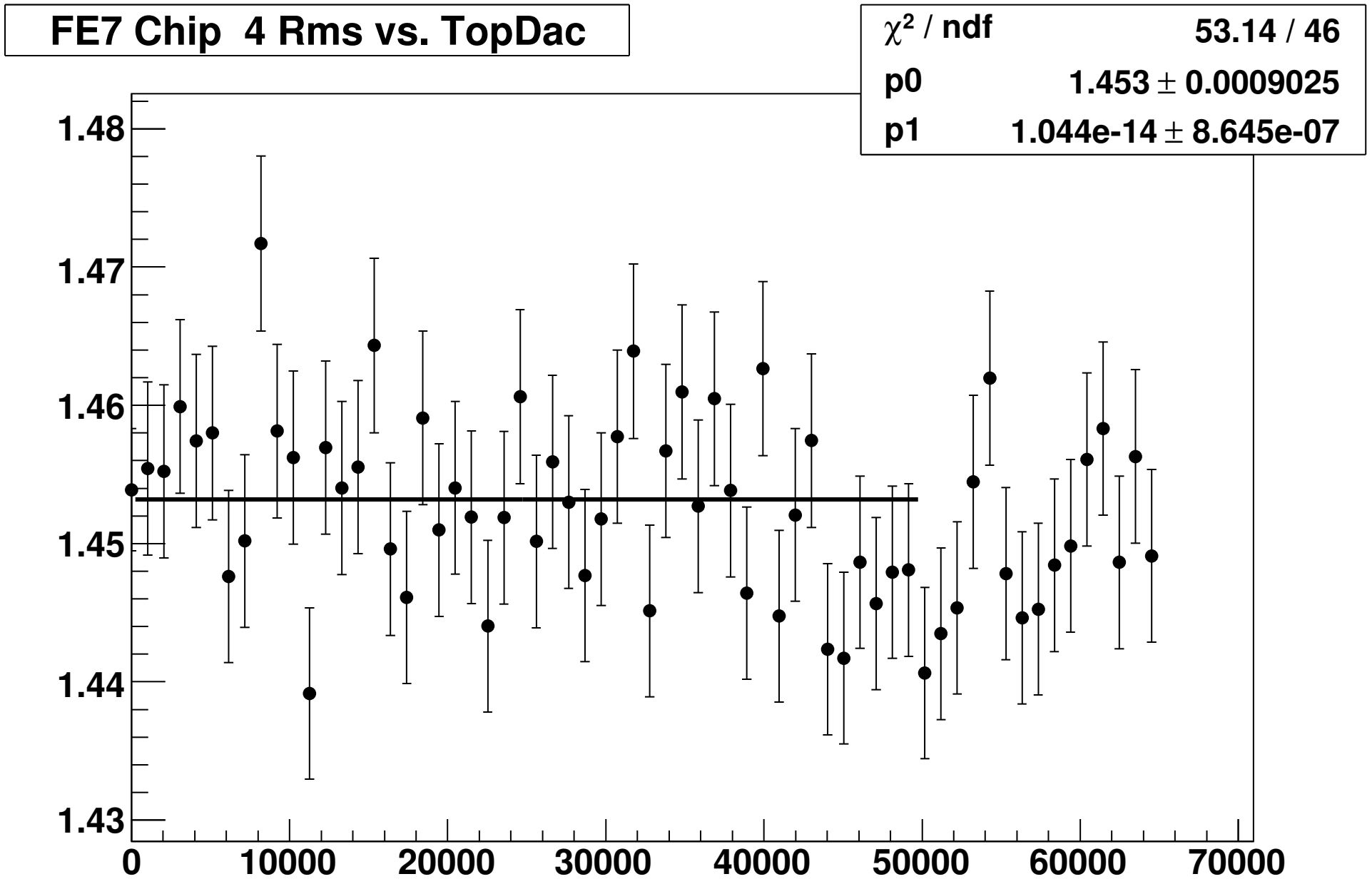

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 2645 / 46
p0 38.11 ± 0.002596
p1 7.342e-06 ± 8.995e-08
38.6
38.5
38.4
38.3
38.2
38.1
38
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 53.14 / 46
p0 1.453 ± 0.0009025
p1 1.044e-14 ± 8.645e-07
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
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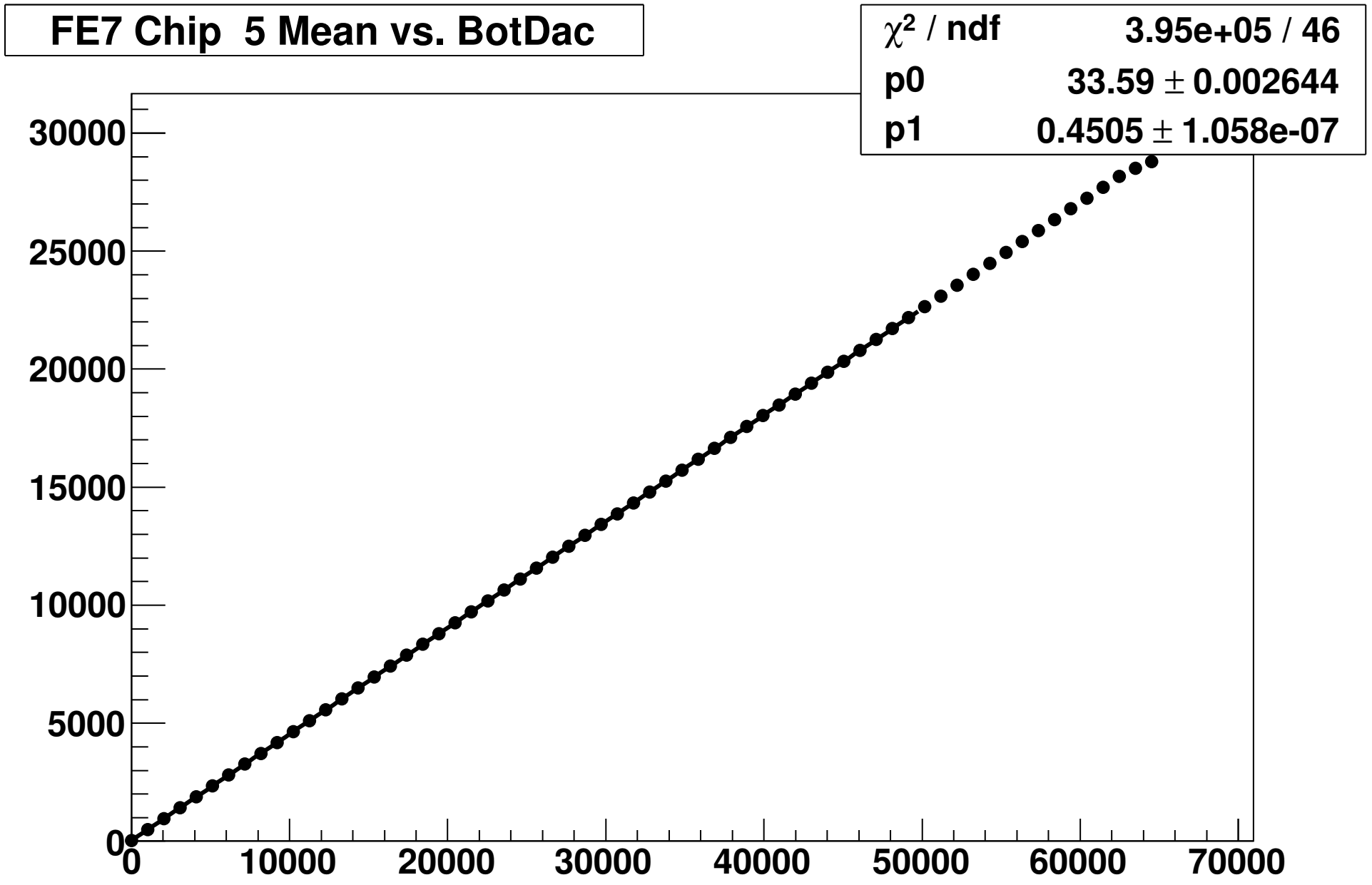
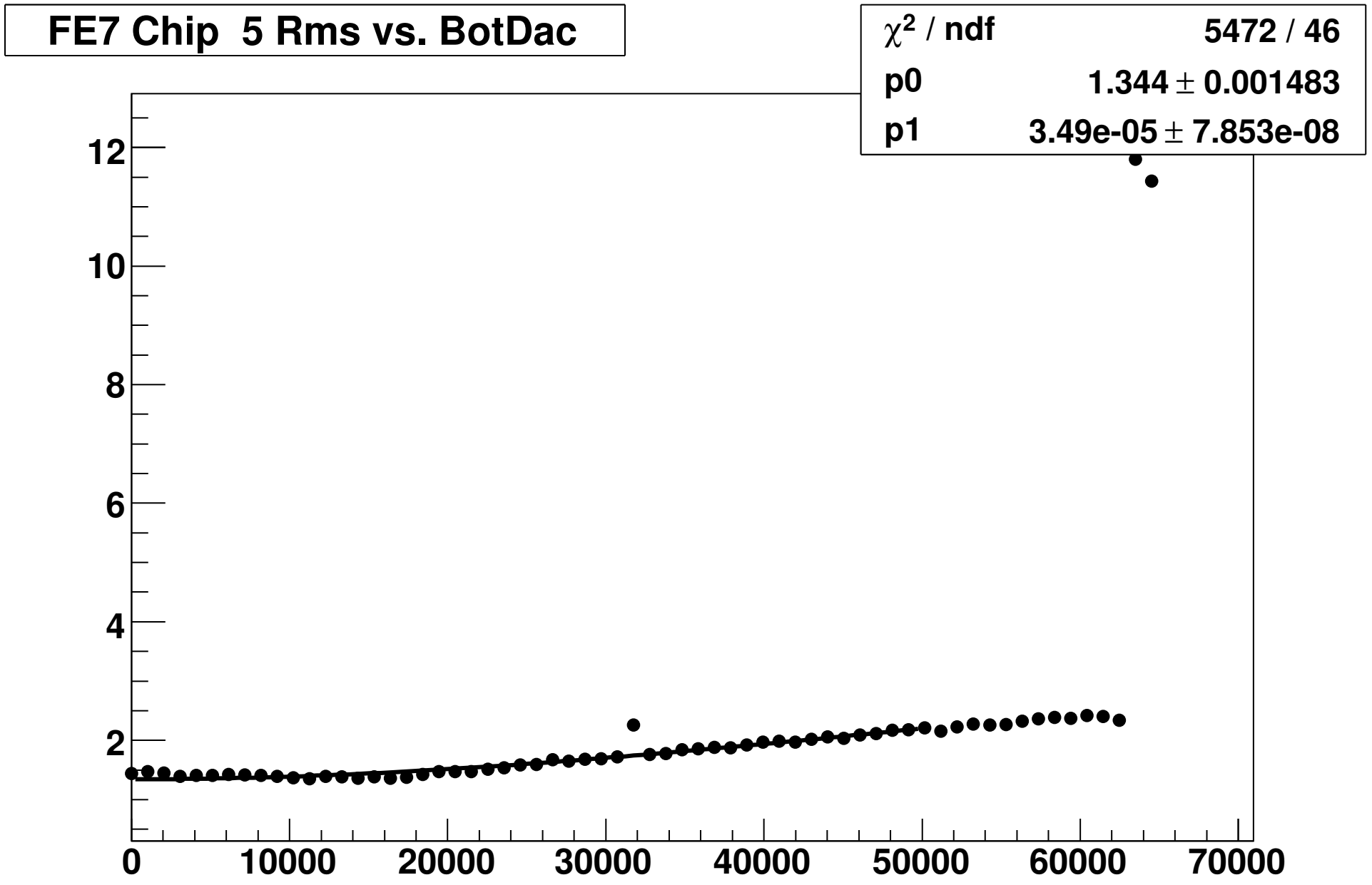
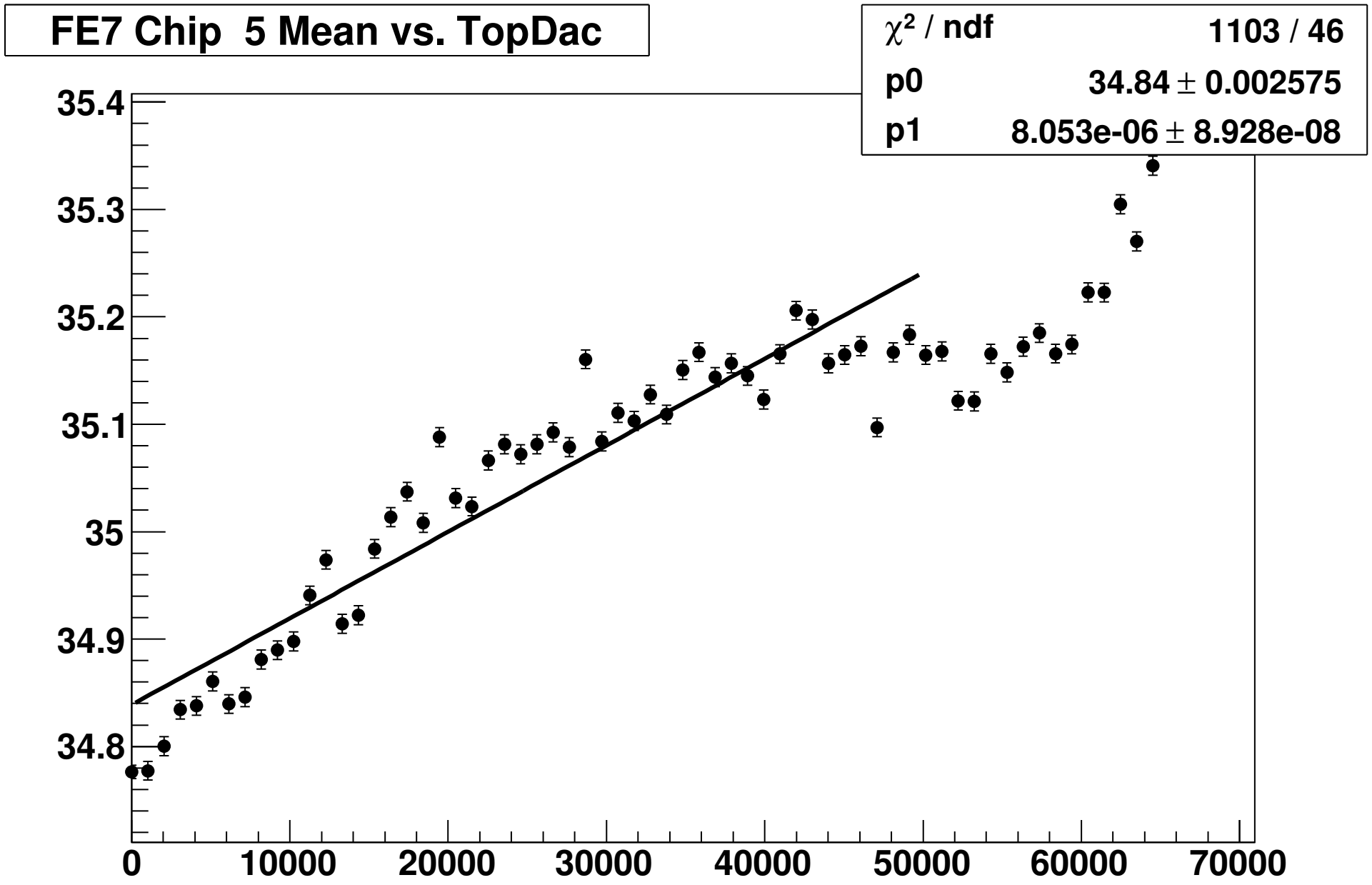
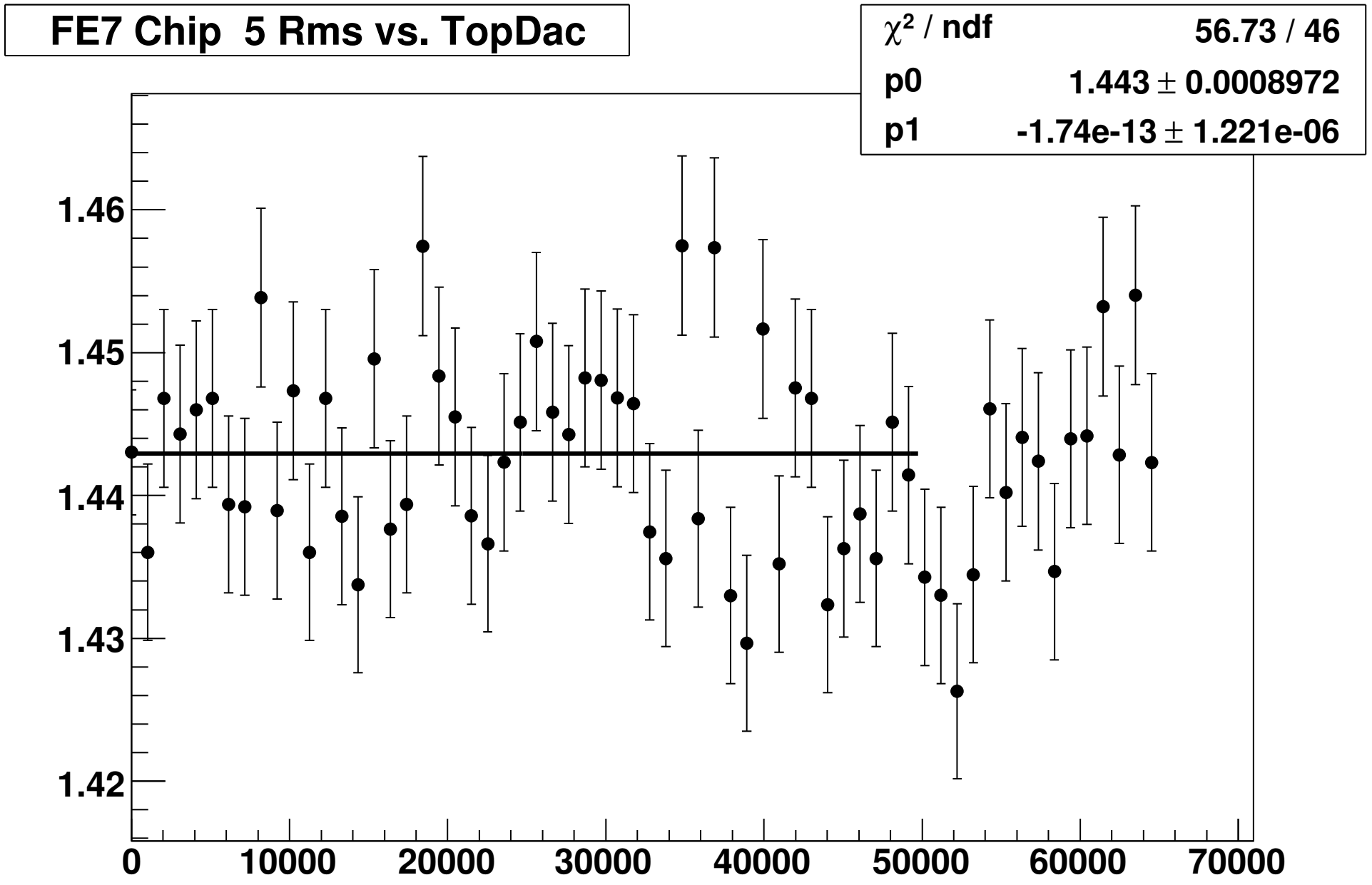

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.95e+05 / 46
p0 33.59 ± 0.002644
p1 0.4505 ± 1.058e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 5472 / 46
p0 1.344 ± 0.001483
p1 3.49e-05 ± 7.853e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 1103 / 46
p0 34.84 ± 0.002575
p1 8.053e-06 ± 8.928e-08
35.4
35.3
35.2
35.1
35
34.9
34.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 56.73 / 46
p0 1.443 ± 0.0008972
p1 -1.74e-13 ± 1.221e-06
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
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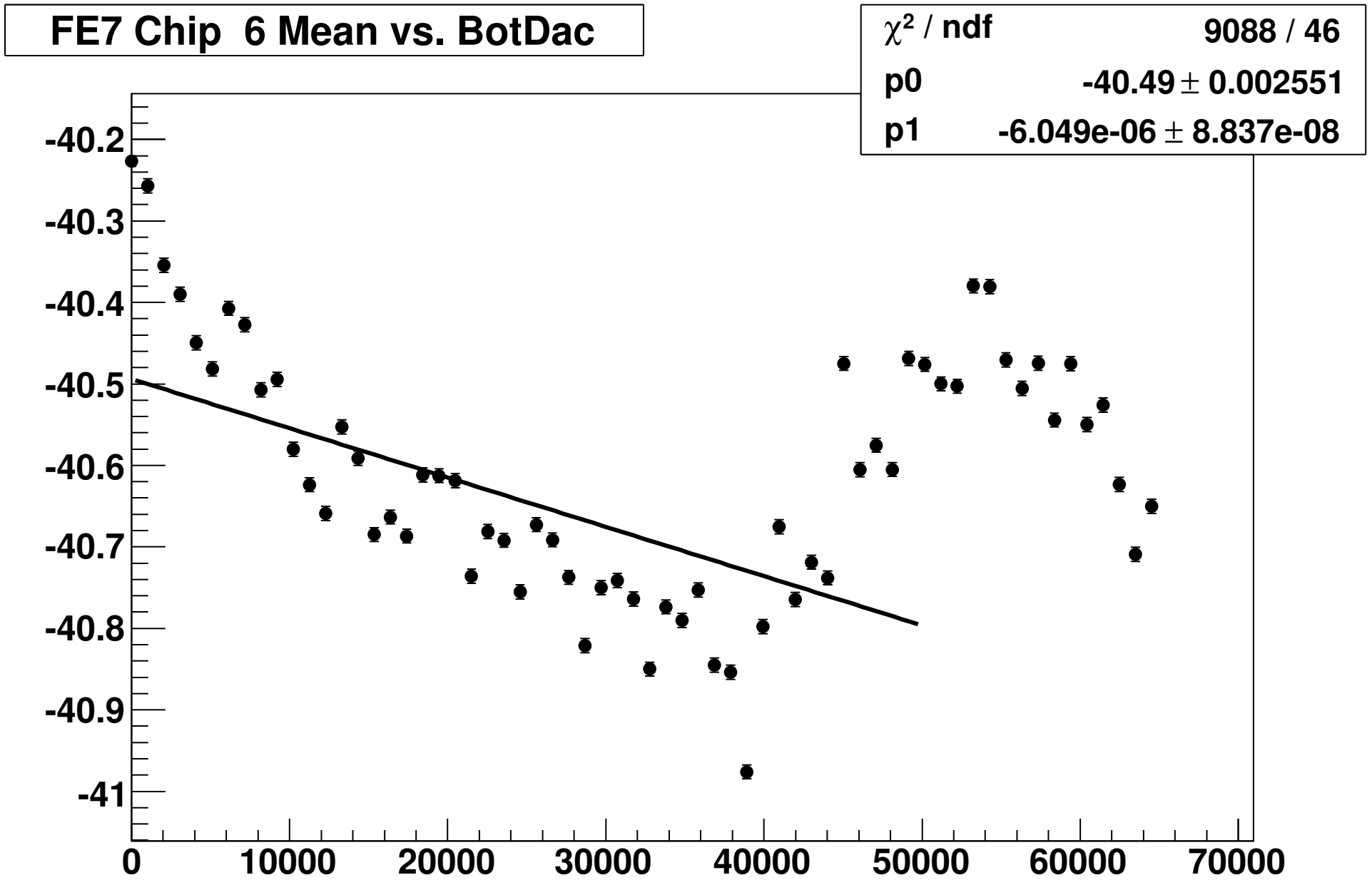
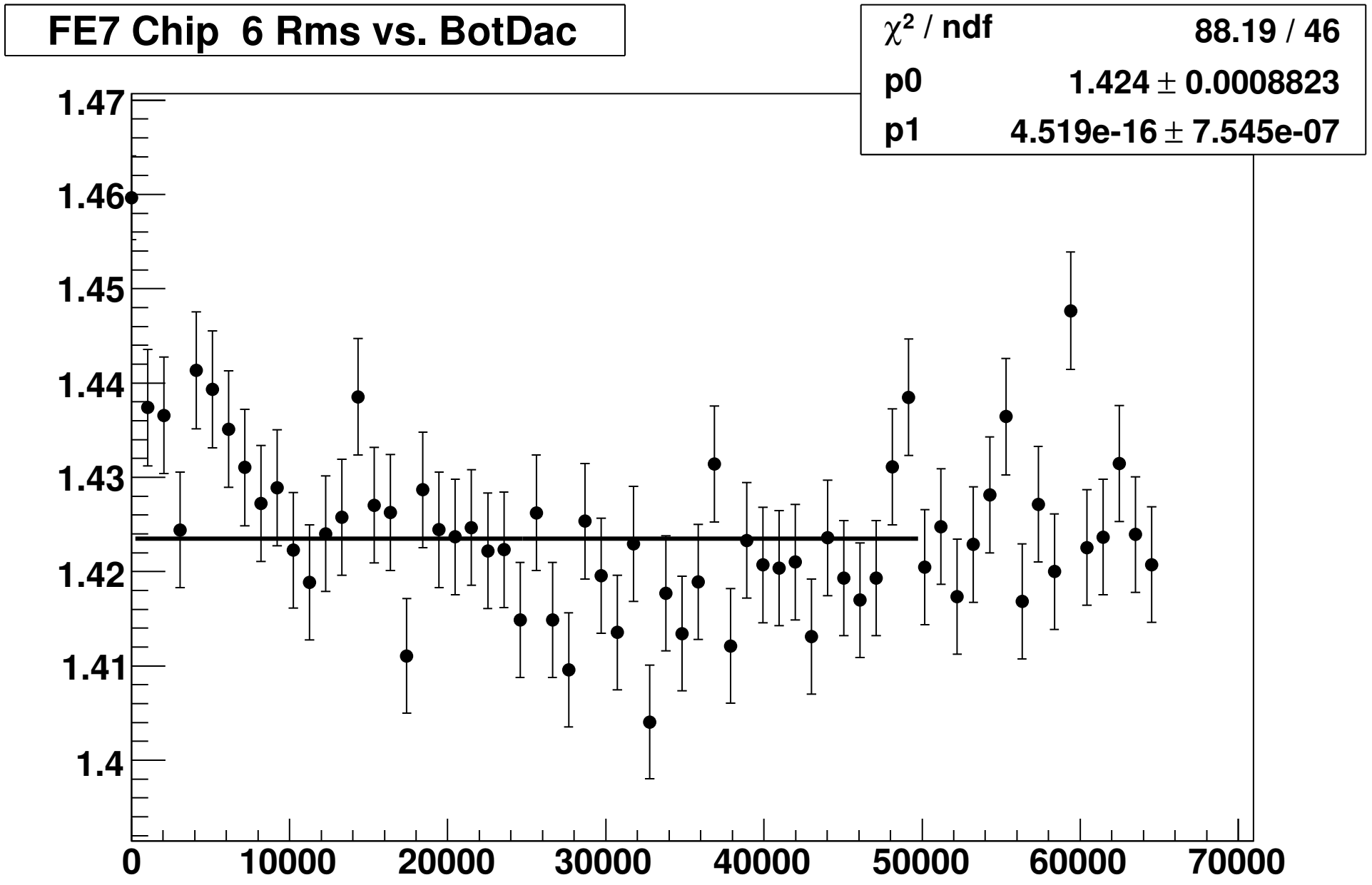
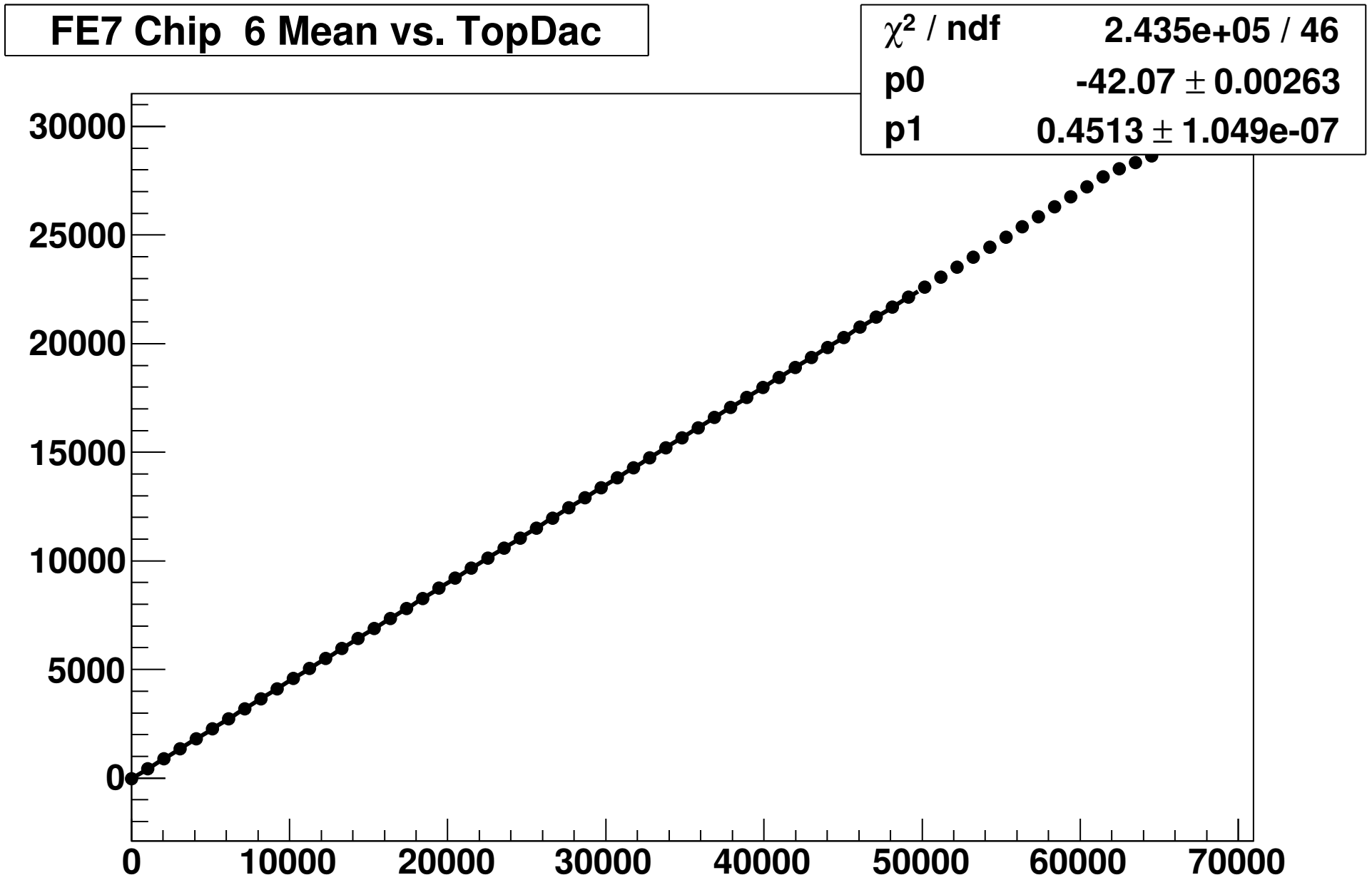
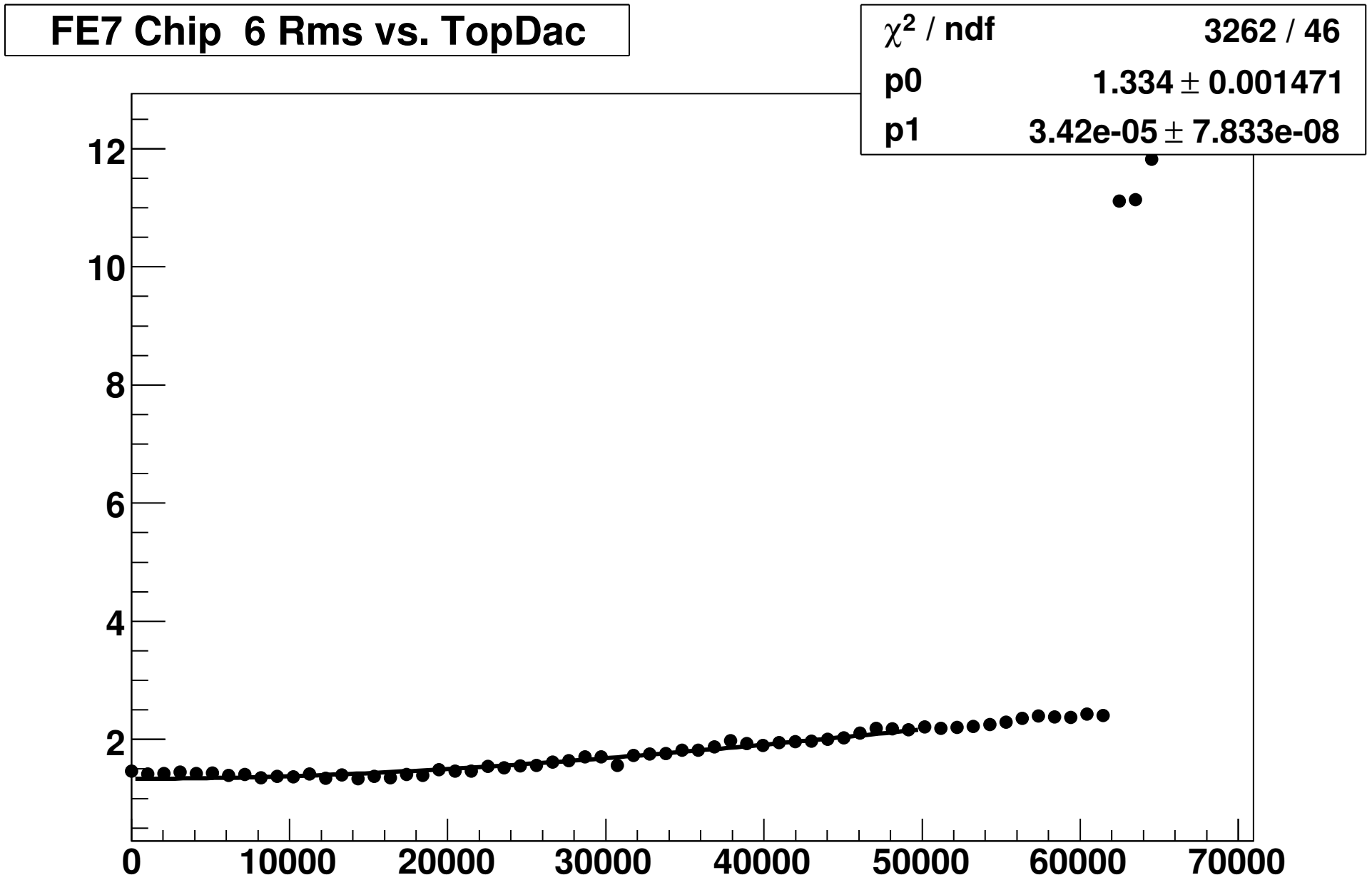
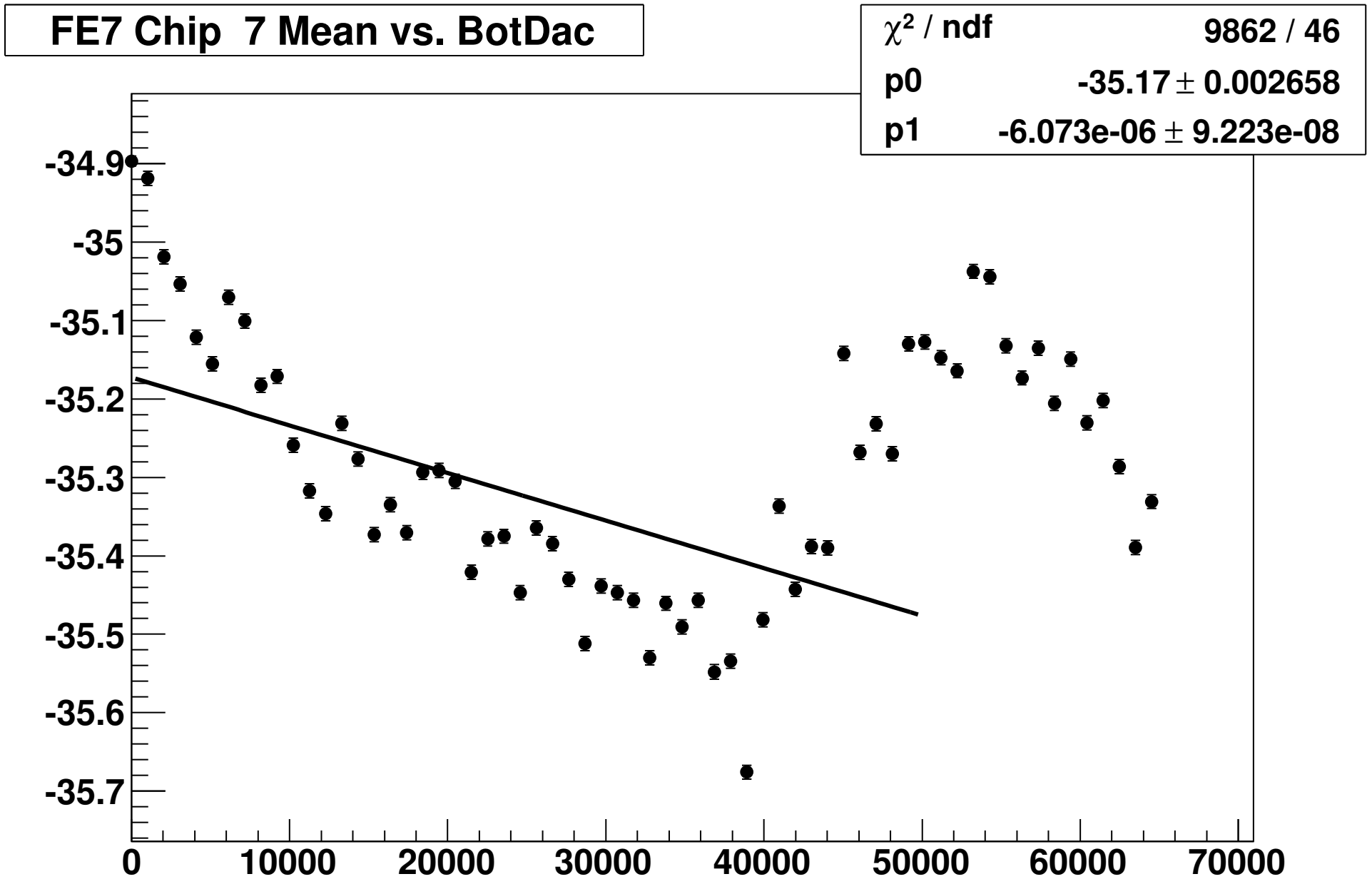
60000
70000

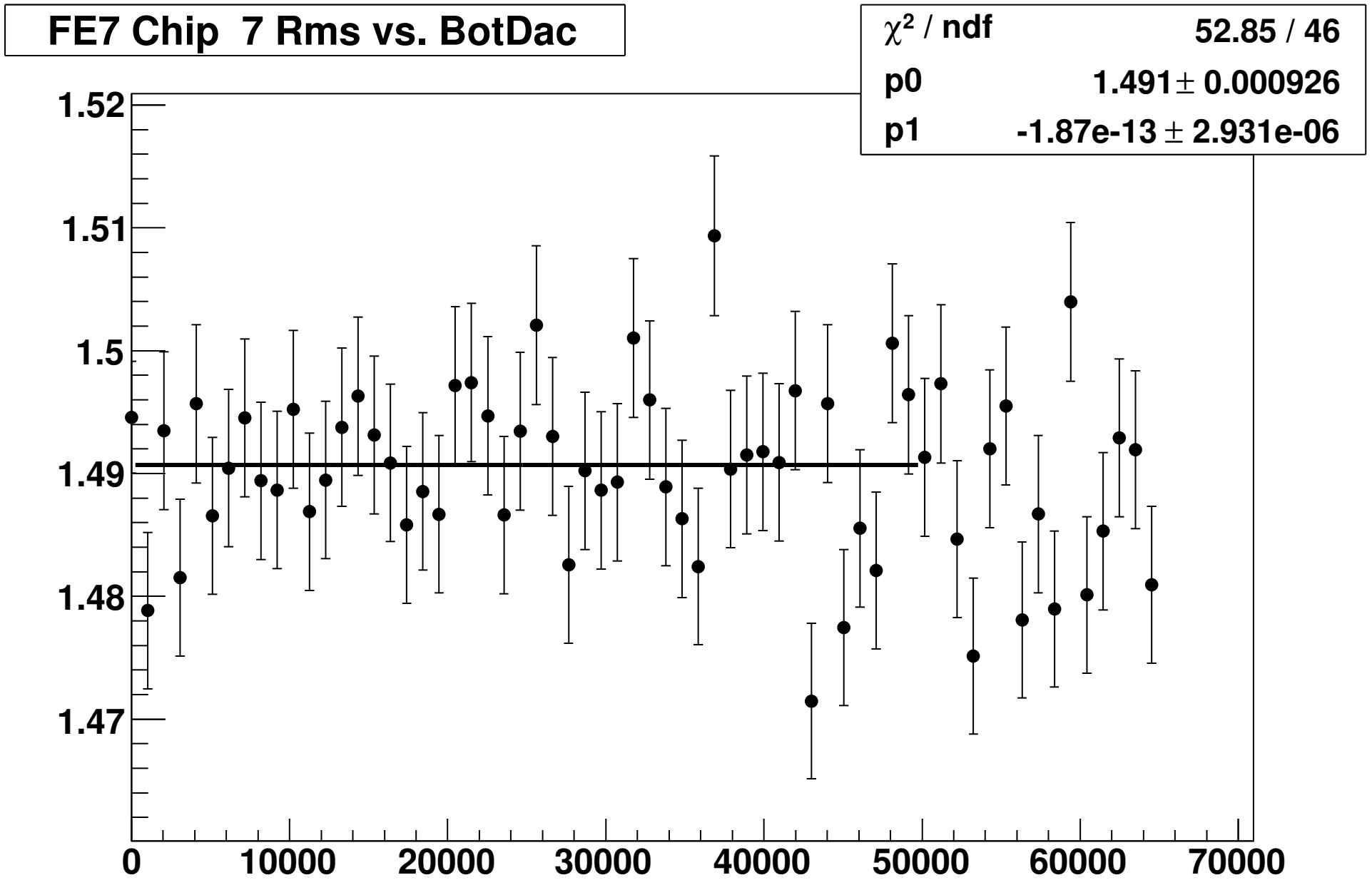

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 9088 / 46
p0 -40.49 ± 0.002551
p1 -6.049e-06 ± 8.837e-08
-40.2
-40.3
-40.4
-40.5
-40.6
-40.7
-40.8
-40.9
-41
0
10000
20000
30000
40000
50000
60000
70000

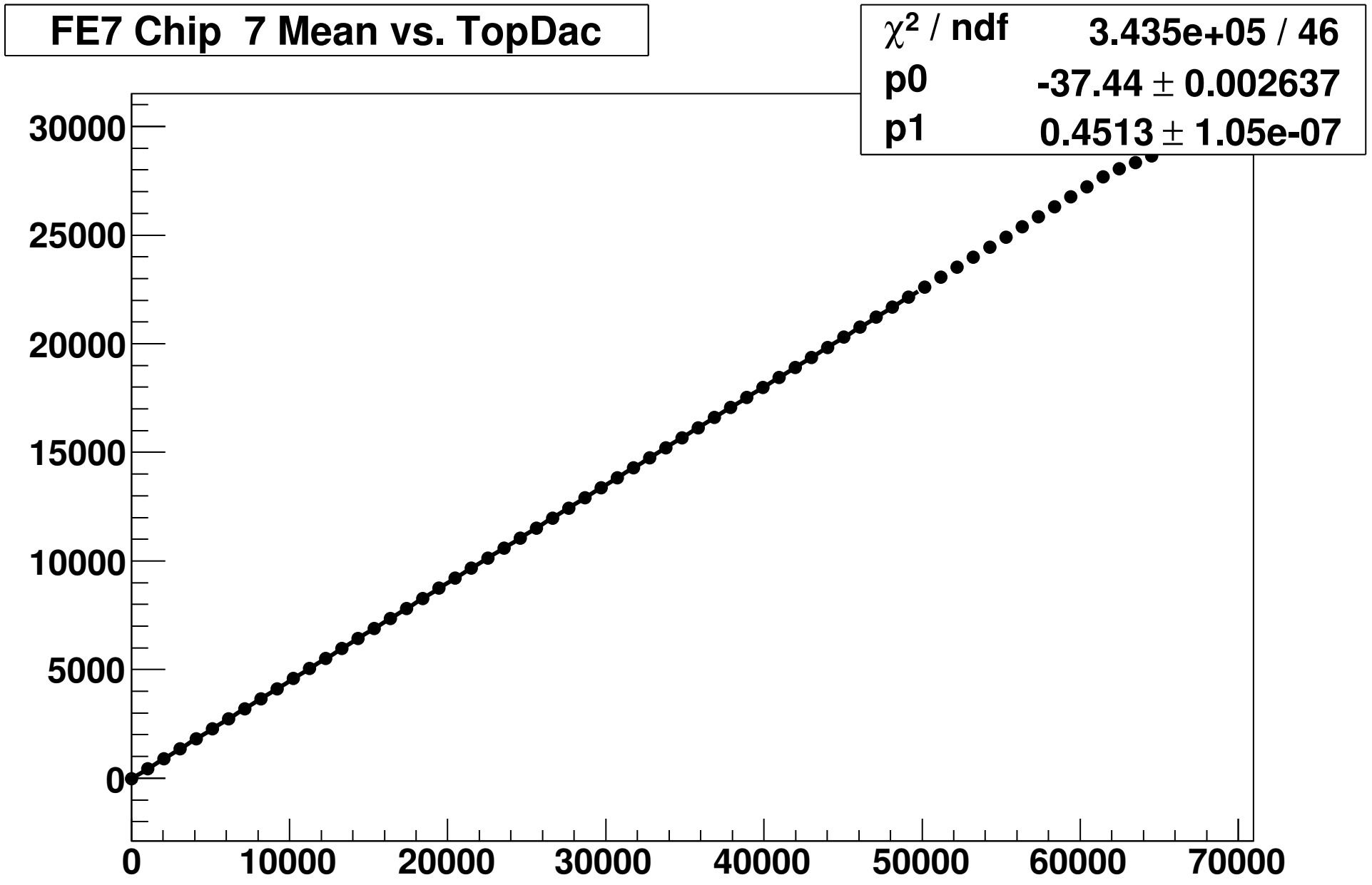

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 88.19 / 46
p0 1.424 ± 0.0008823
p1 4.519e-16 ± 7.545e-07
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

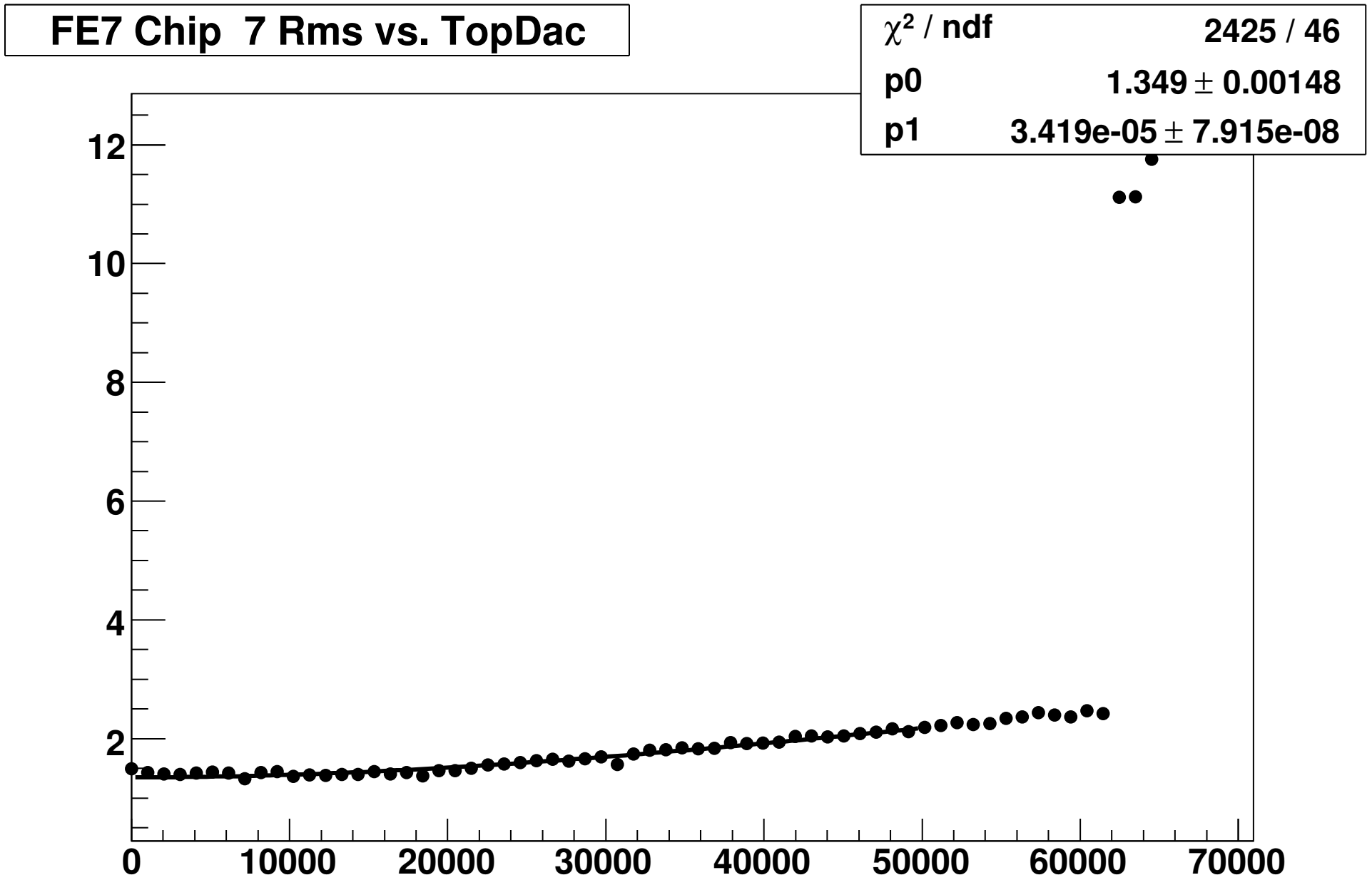

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 2.435e+05 / 46
p0 -42.07 ± 0.00263
p1 0.4513 ± 1.049e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

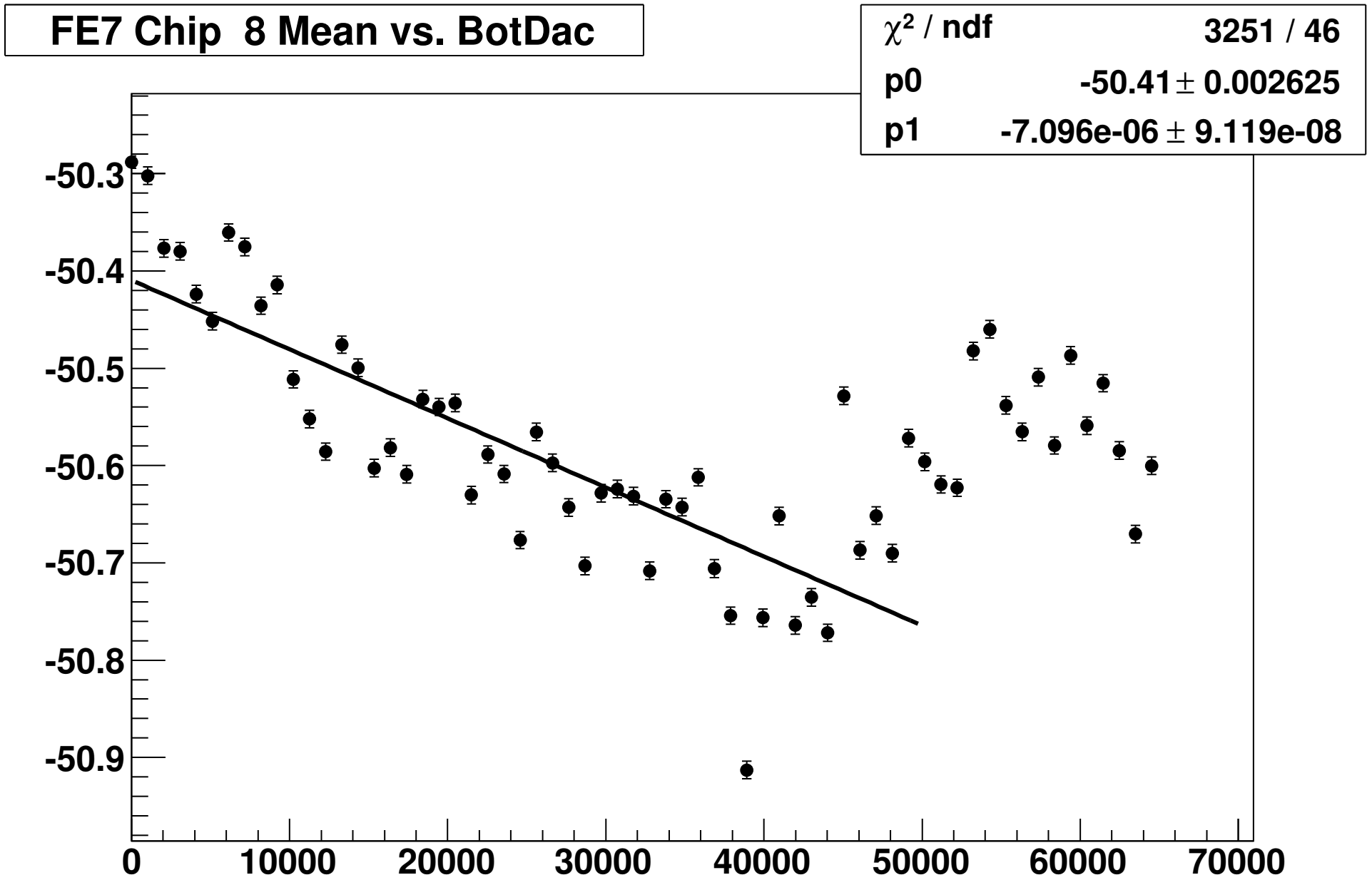

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 3262 / 46
p0 1.334 ± 0.001471
p1 3.42e-05 ± 7.833e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

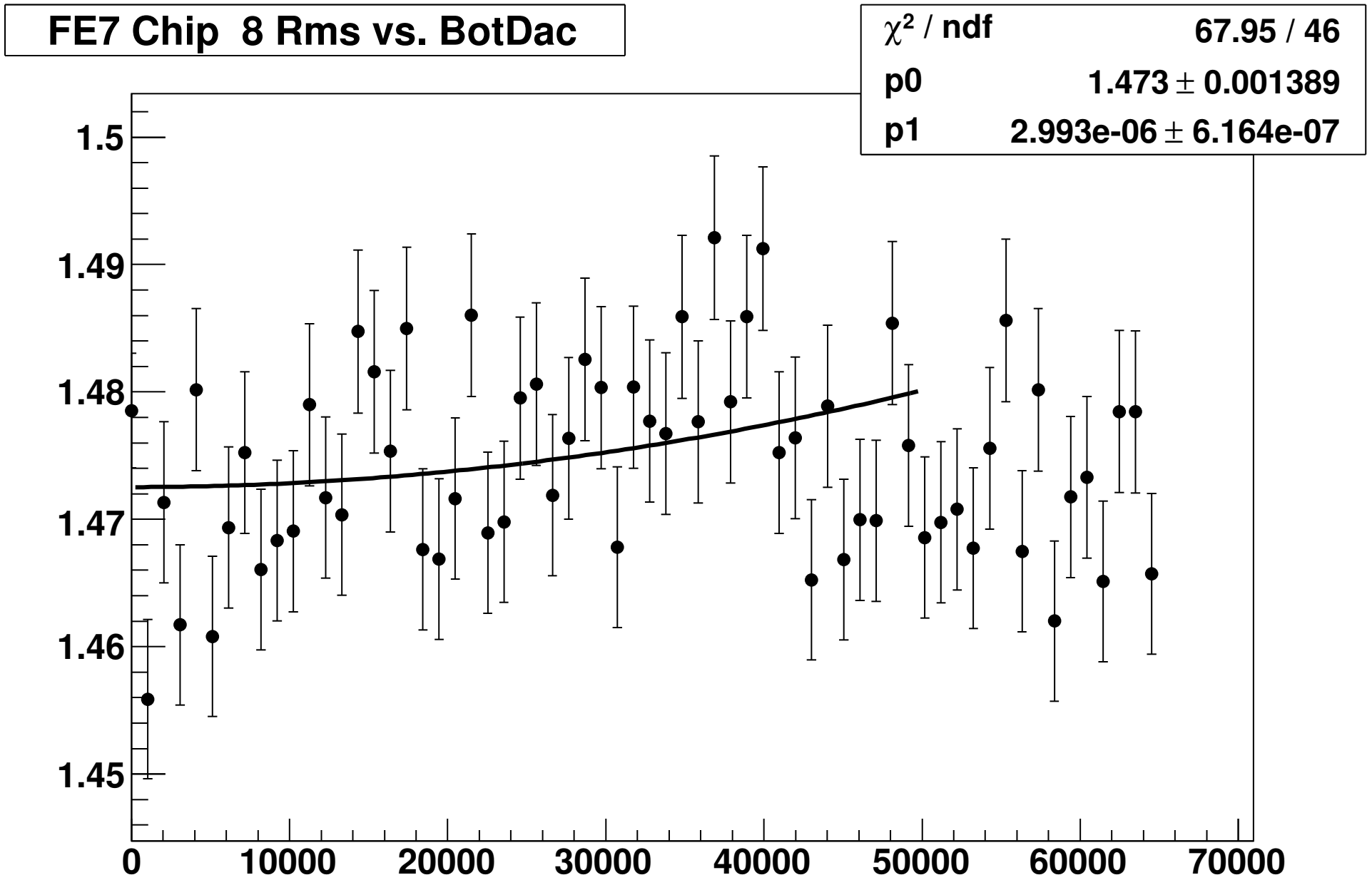

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 9862 / 46
p0 -35.17 ± 0.002658
p1 -6.073e-06 ± 9.223e-08
-34.9
-35
-35.1
-35.2
-35.3
-35.4
-35.5
-35.6
-35.7
0
10000
20000
30000
40000
50000
60000
70000

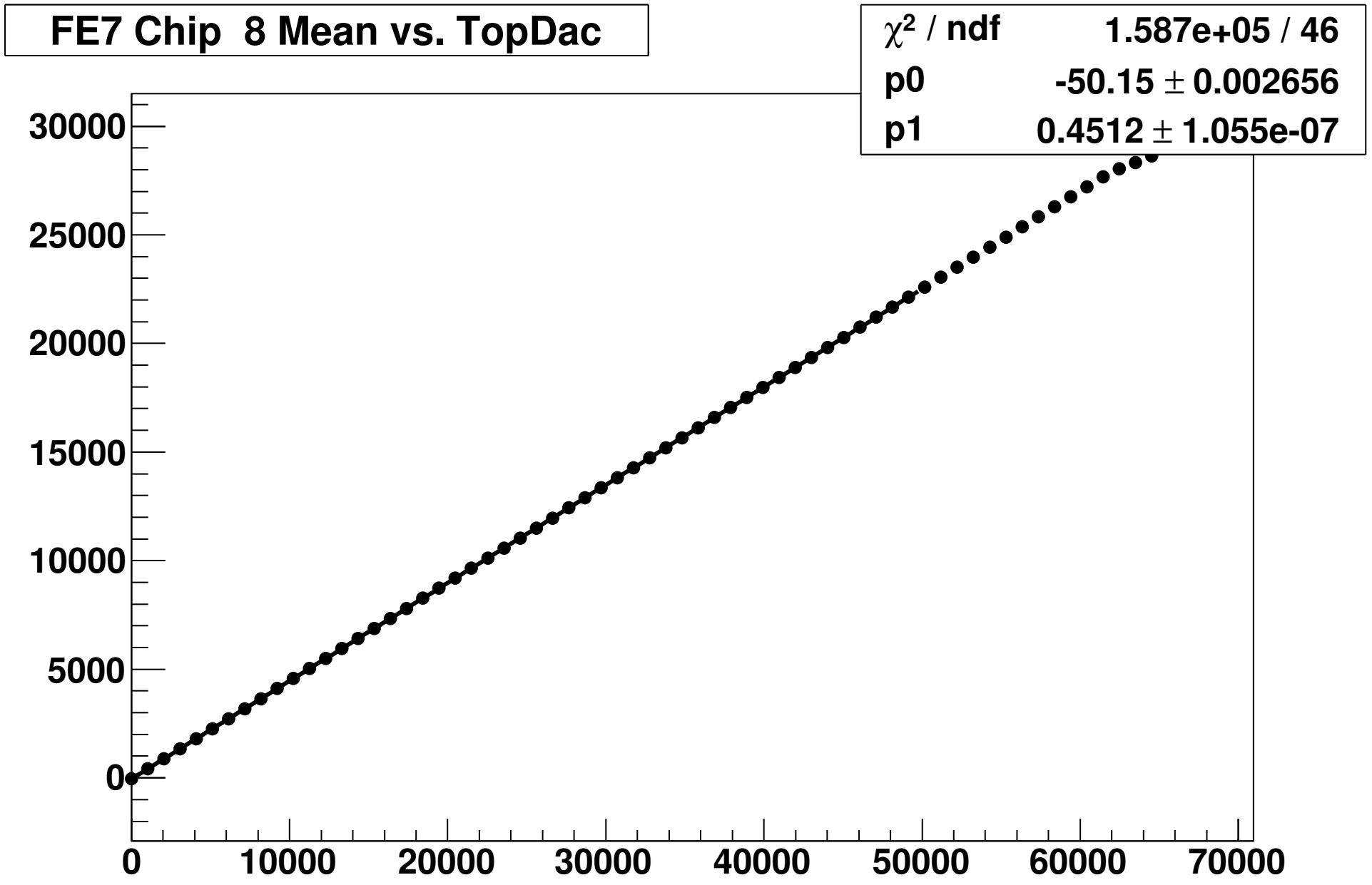

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 52.85 / 46
p0 1.491 ± 0.000926
p1 -1.87e-13 ± 2.931e-06
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

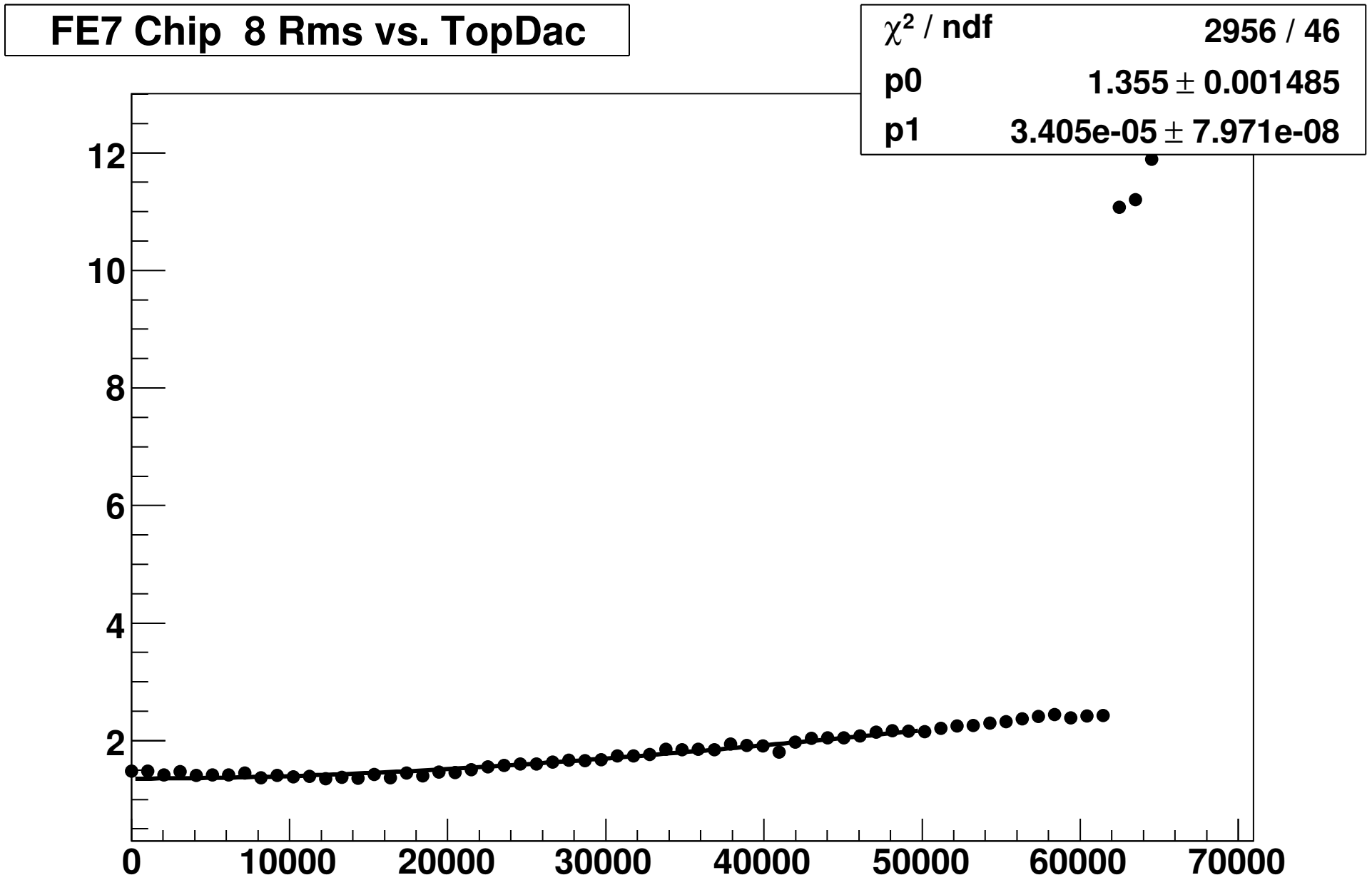

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 3.435e+05 / 46
p0 -37.44 ± 0.002637
p1 0.4513 ± 1.05e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

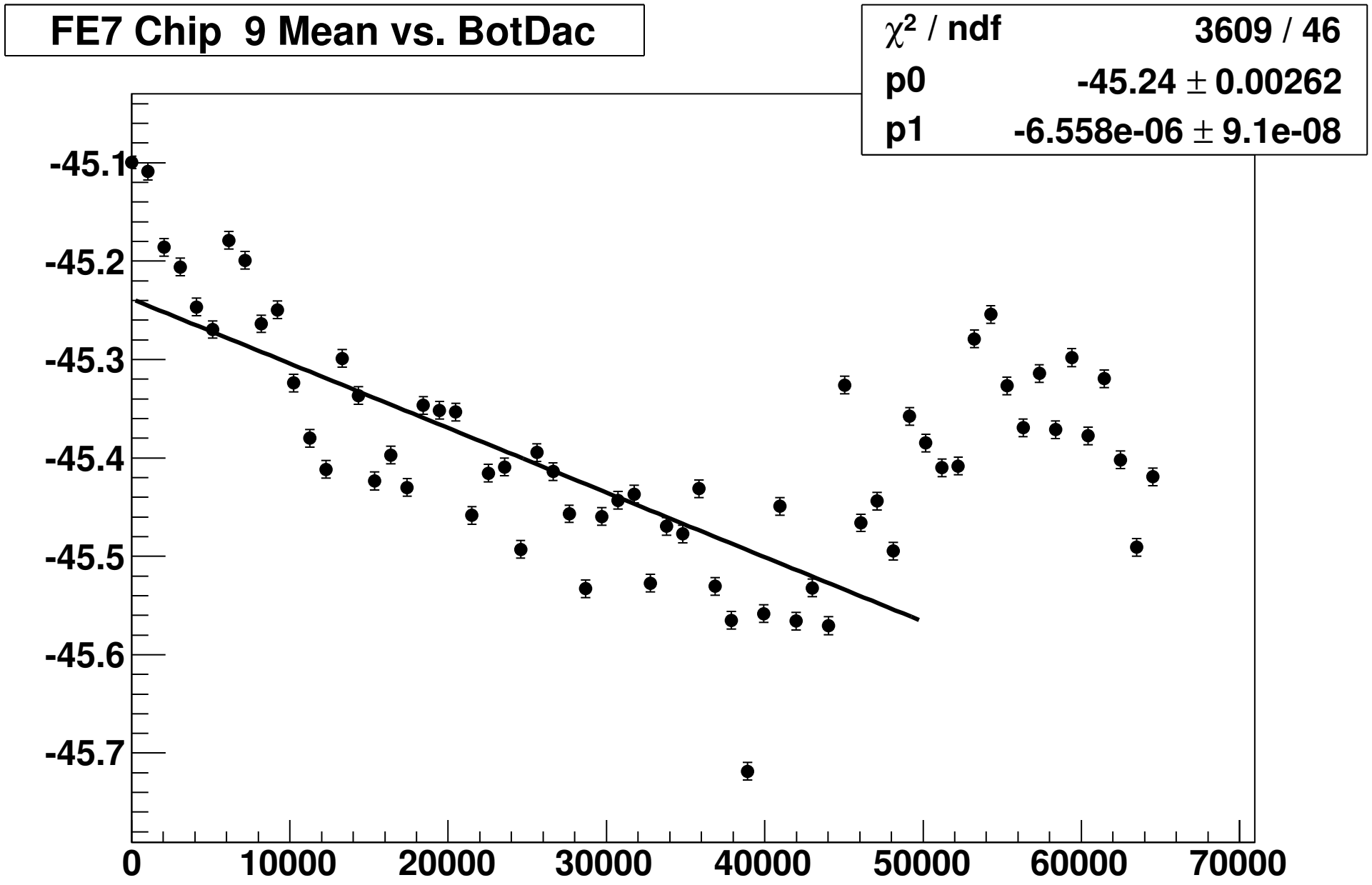

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 2425 / 46
p0 1.349 ± 0.00148
p1 3.419e-05 ± 7.915e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

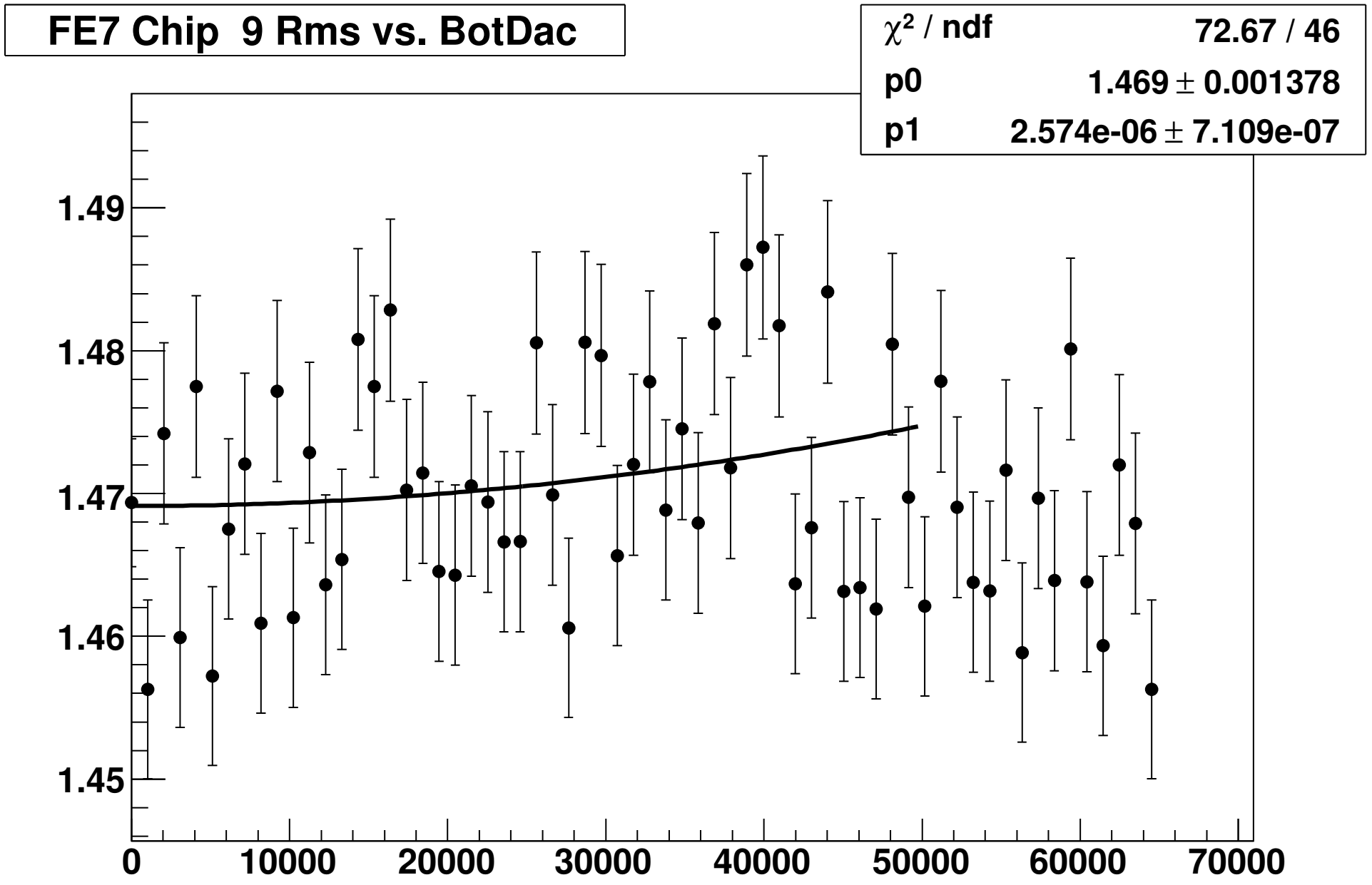

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 3251 / 46
p0 -50.41 ± 0.002625
p1 -7.096e-06 ± 9.119e-08
-50.3
-50.4
-50.5
-50.6
-50.7
-50.8
-50.9
0
10000
20000
30000
40000
50000
60000
70000

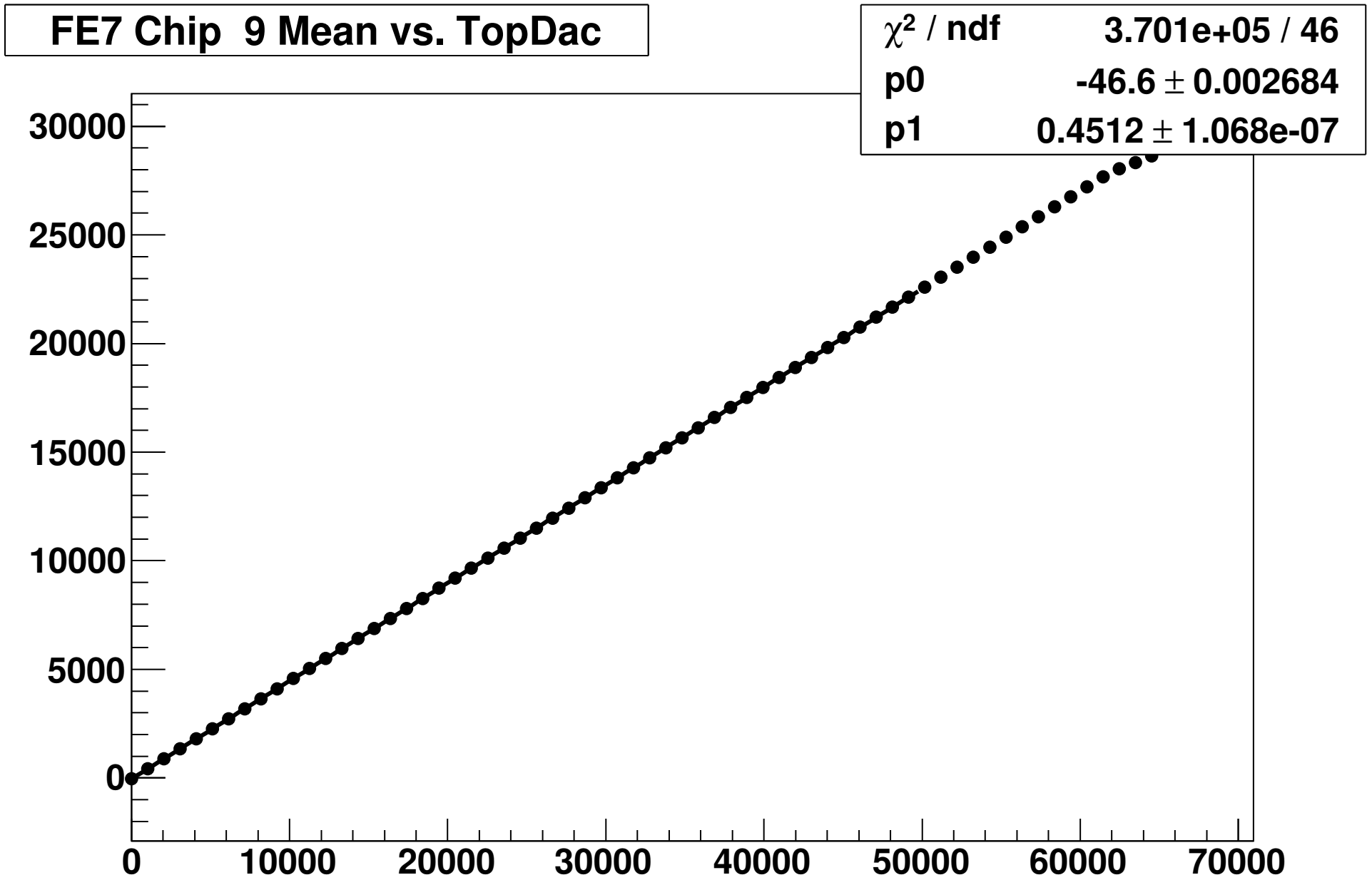

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 67.95 / 46
p0 1.473 ± 0.001389
p1 2.993e-06 ± 6.164e-07
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

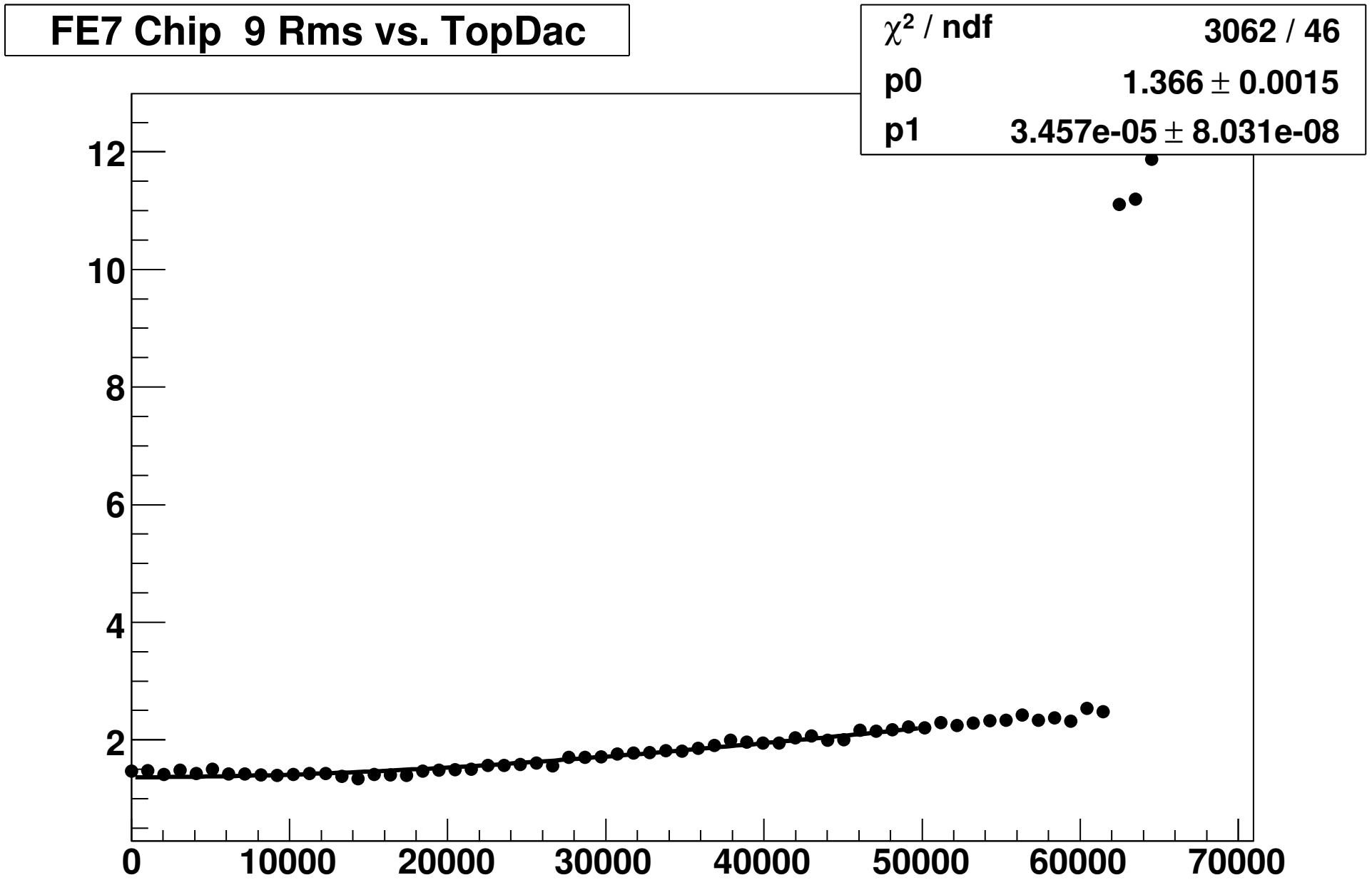

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 1.587e+05 / 46
p0 -50.15 ± 0.002656
p1 0.4512 ± 1.055e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

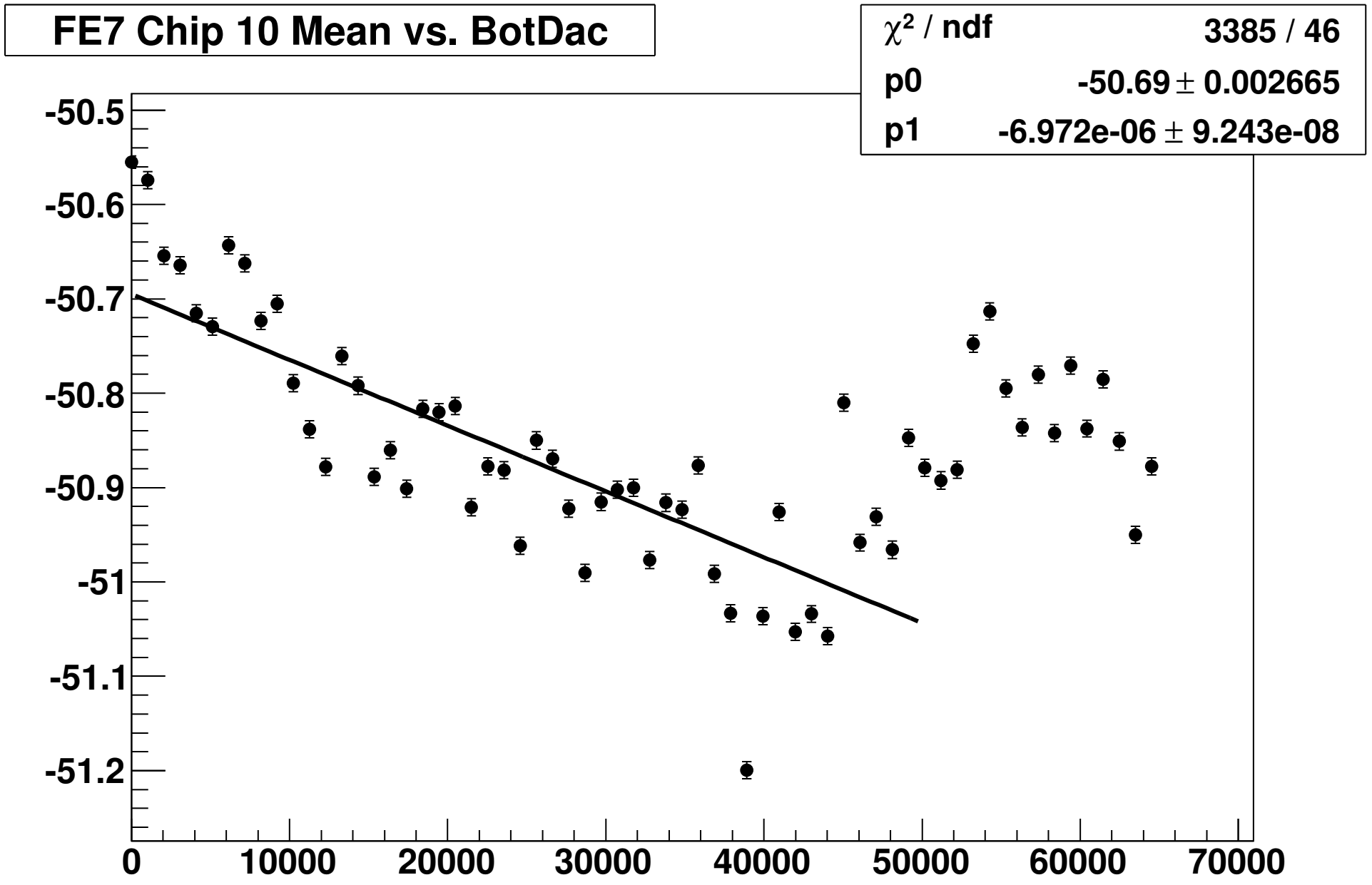

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 2956 / 46
p0 1.355 ± 0.001485
p1 3.405e-05 ± 7.971e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

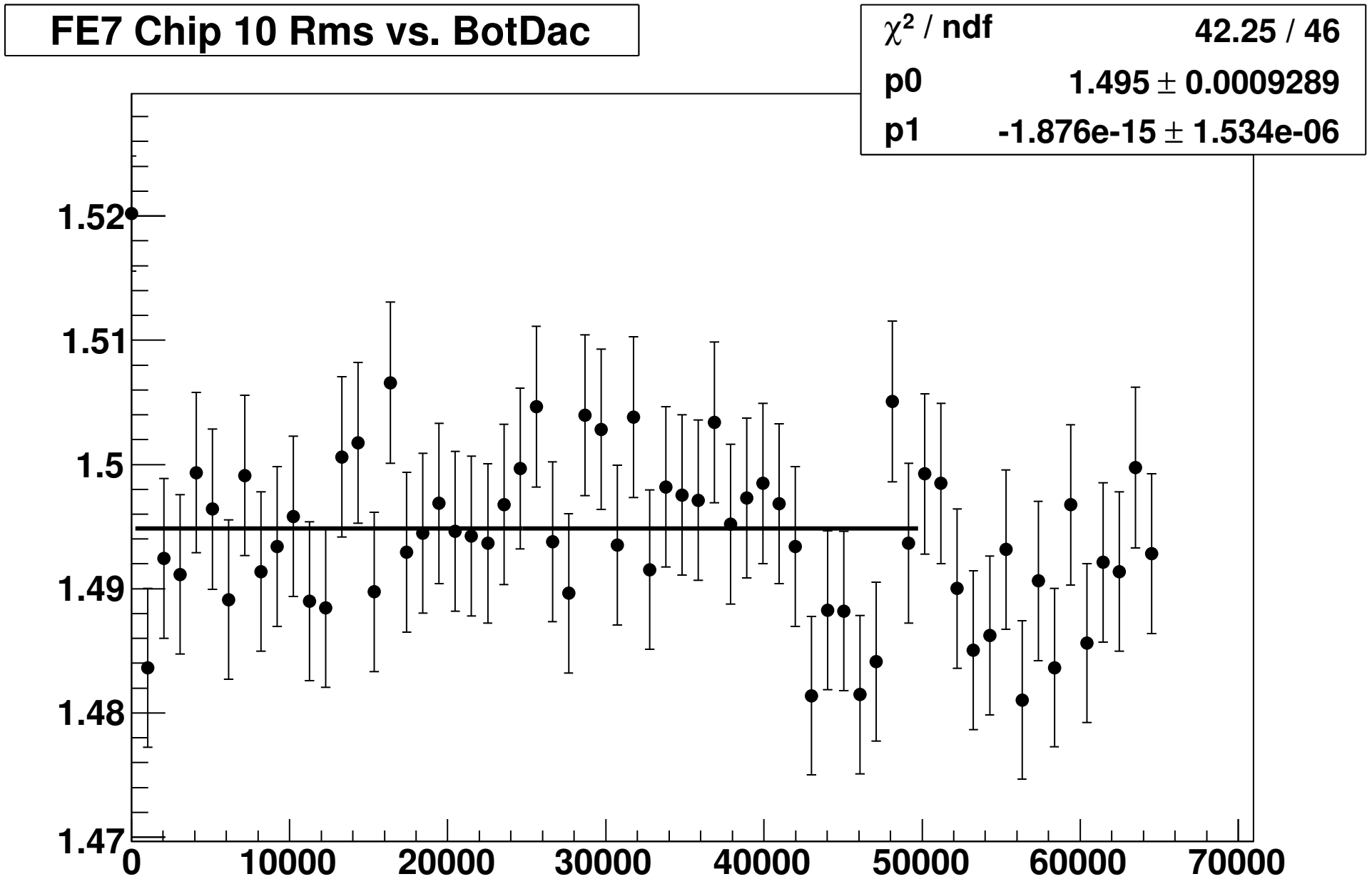

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 3609 / 46
p0 -45.24 ± 0.00262
p1 -6.558e-06 ± 9.1e-08
-45.1
-45.2
-45.3
-45.4
-45.5
-45.6
-45.7
0
10000
20000
30000
40000
50000
60000
70000

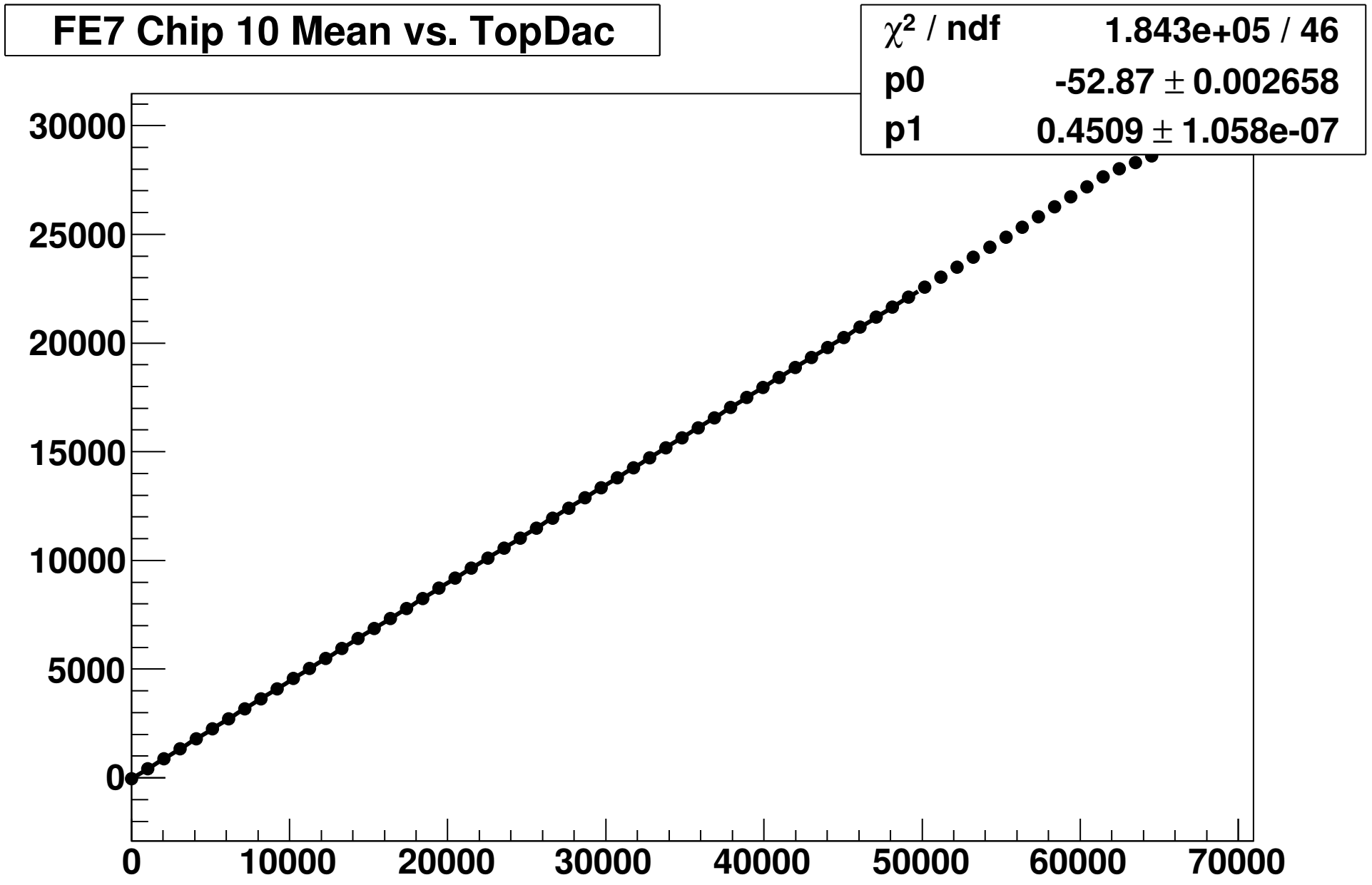

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 72.67 / 46
p0 1.469 ± 0.001378
p1 2.574e-06 ± 7.109e-07
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

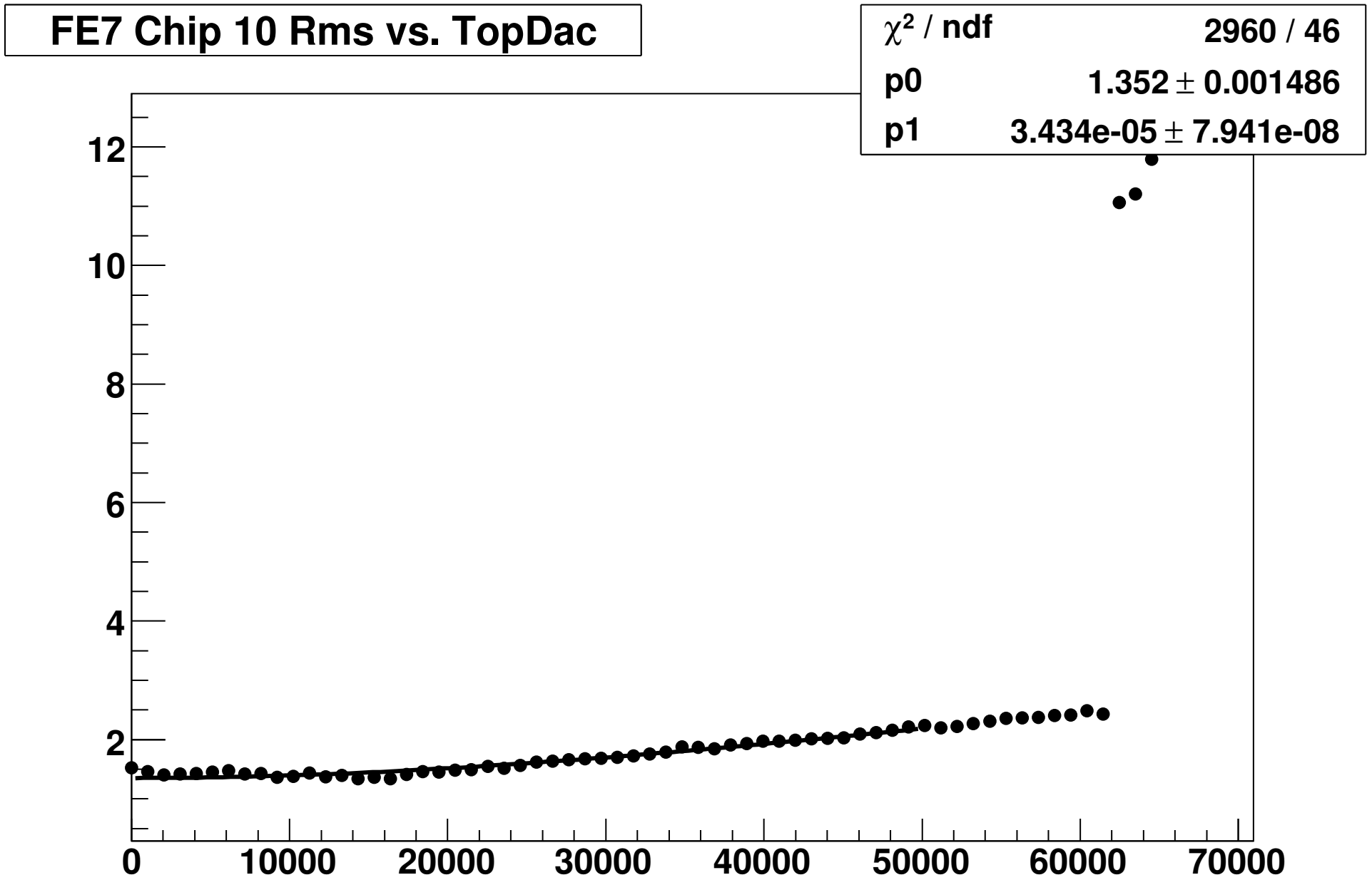

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 3.701e+05 / 46
p0 -46.6 ± 0.002684
p1 0.4512 ± 1.068e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

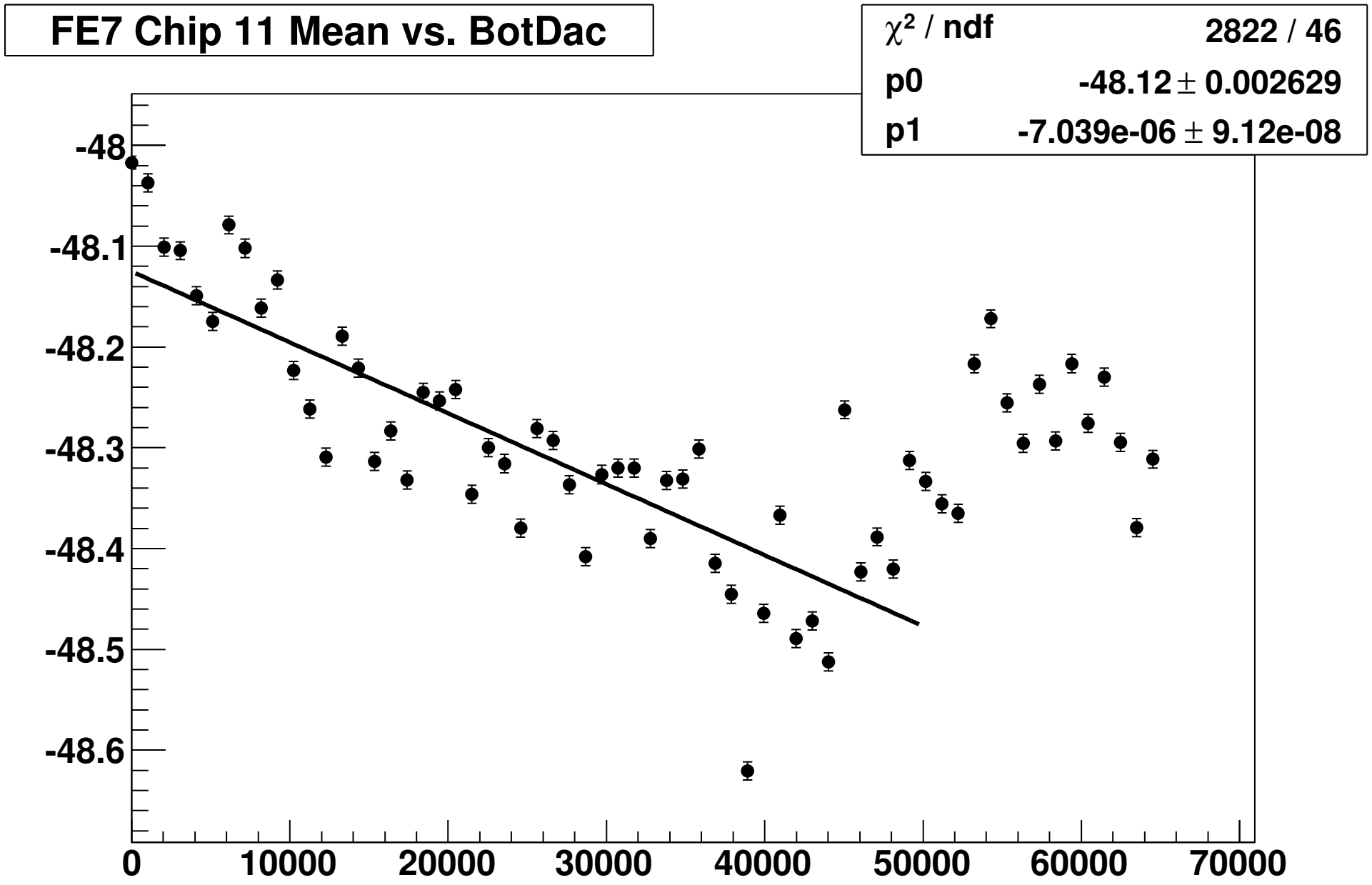

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 3062 / 46
p0 1.366 ± 0.0015
p1 3.457e-05 ± 8.031e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

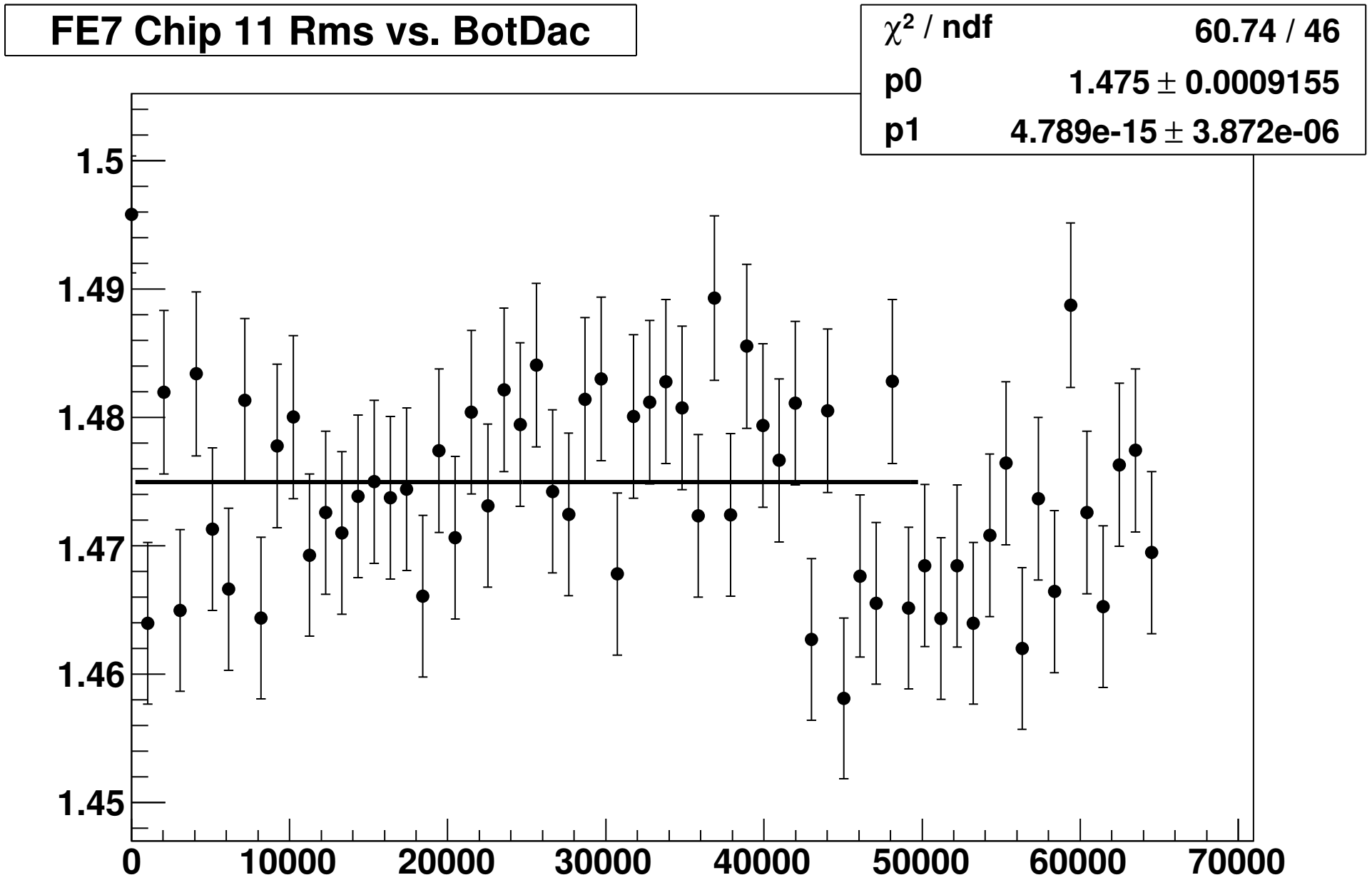

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 3385 / 46
p0 -50.69 ± 0.002665
p1 -6.972e-06 ± 9.243e-08
-50.5
-50.6
-50.7
-50.8
-50.9
-51
-51.1
-51.2
0
10000
20000
30000
40000
50000
60000
70000

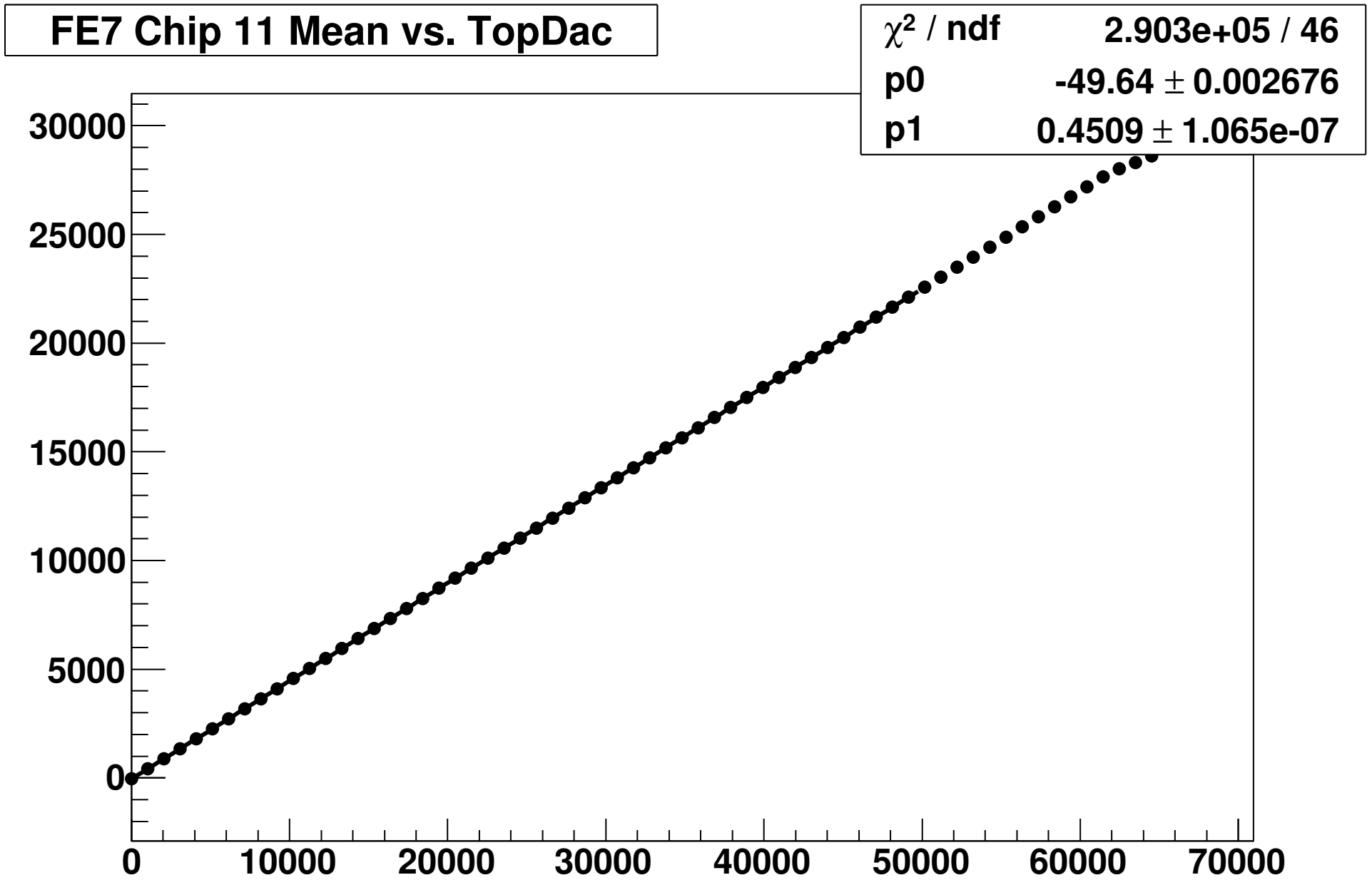

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 42.25 / 46
p0 1.495 ± 0.0009289
p1 -1.876e-15 ± 1.534e-06
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

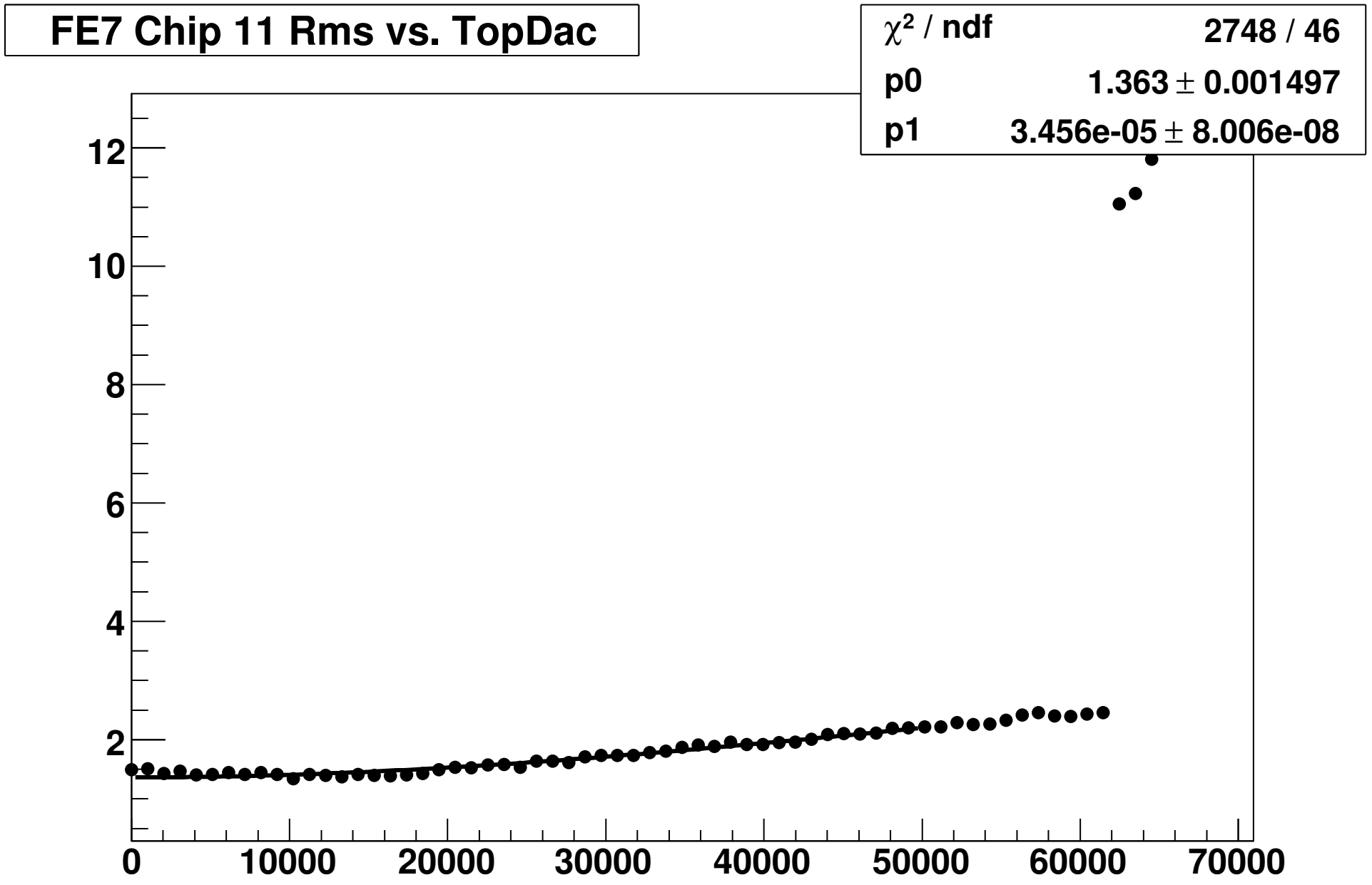

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.843e+05 / 46
p0 -52.87 ± 0.002658
p1 0.4509 ± 1.058e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

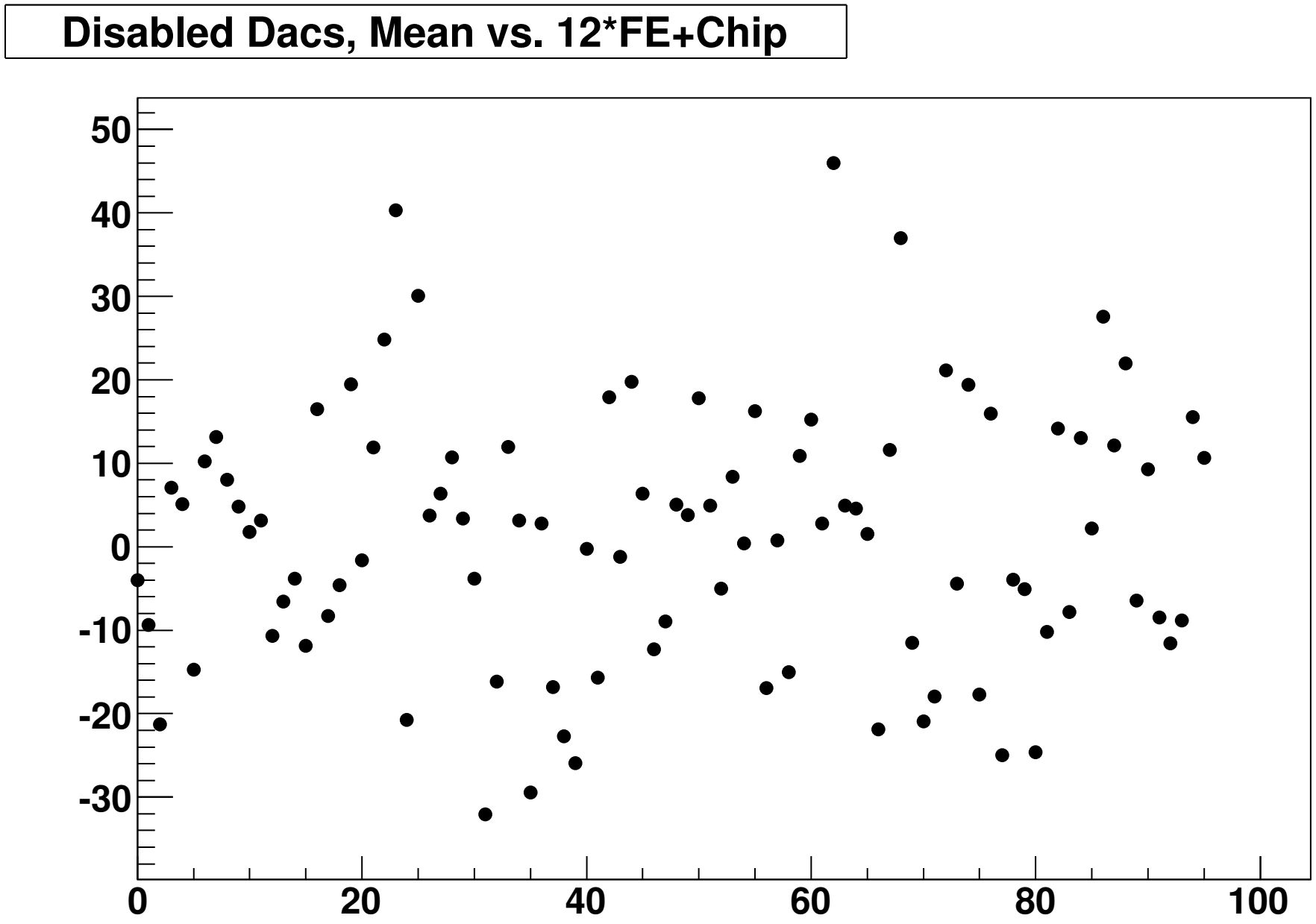

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 2960 / 46
p0 1.352 ± 0.001486
p1 3.434e-05 ± 7.941e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

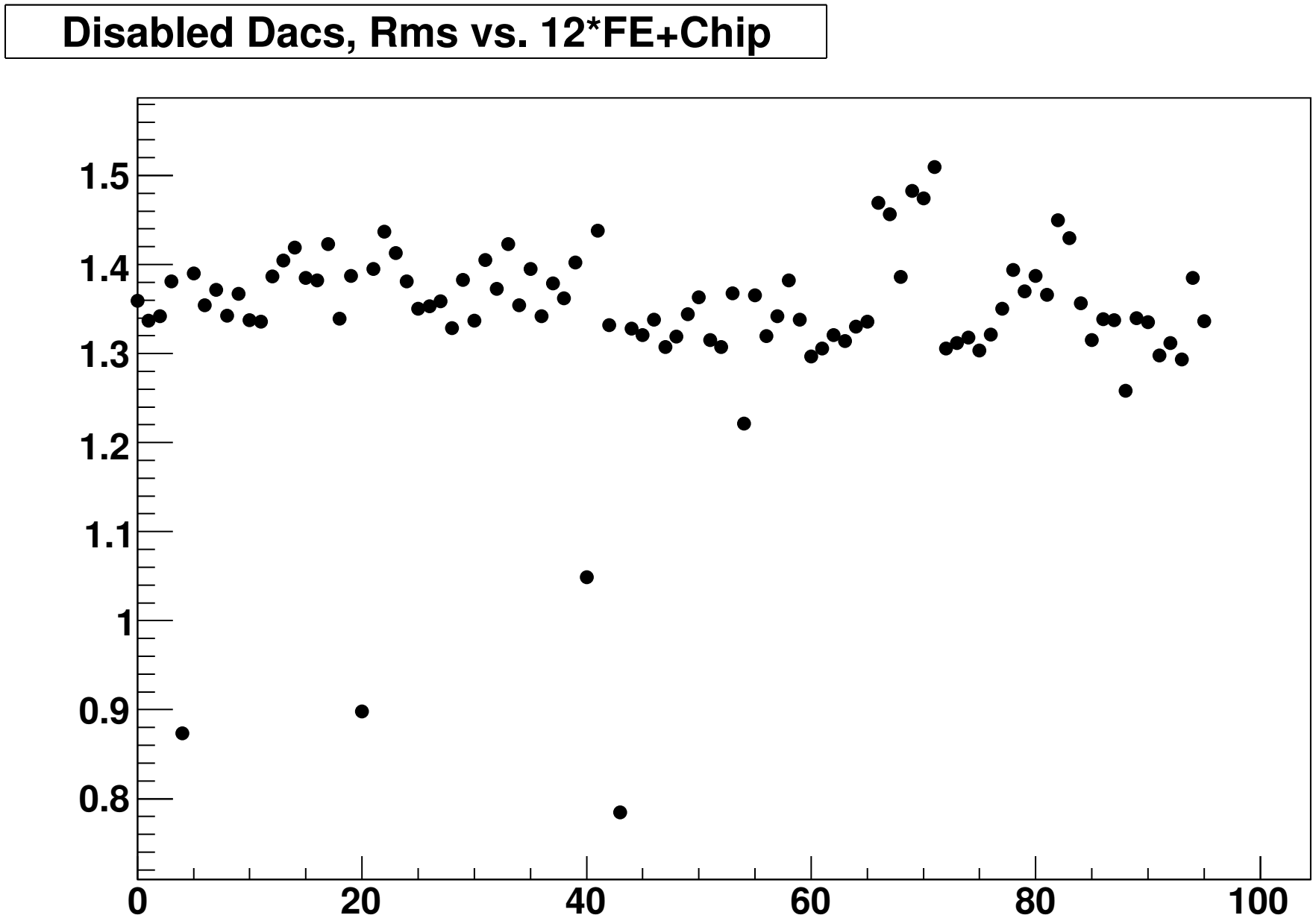

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 2822 / 46
p0 -48.12 ± 0.002629
p1 -7.039e-06 ± 9.12e-08
-48
-48.1
-48.2
-48.3
-48.4
-48.5
-48.6
0
10000
20000
30000
40000
50000
60000
70000

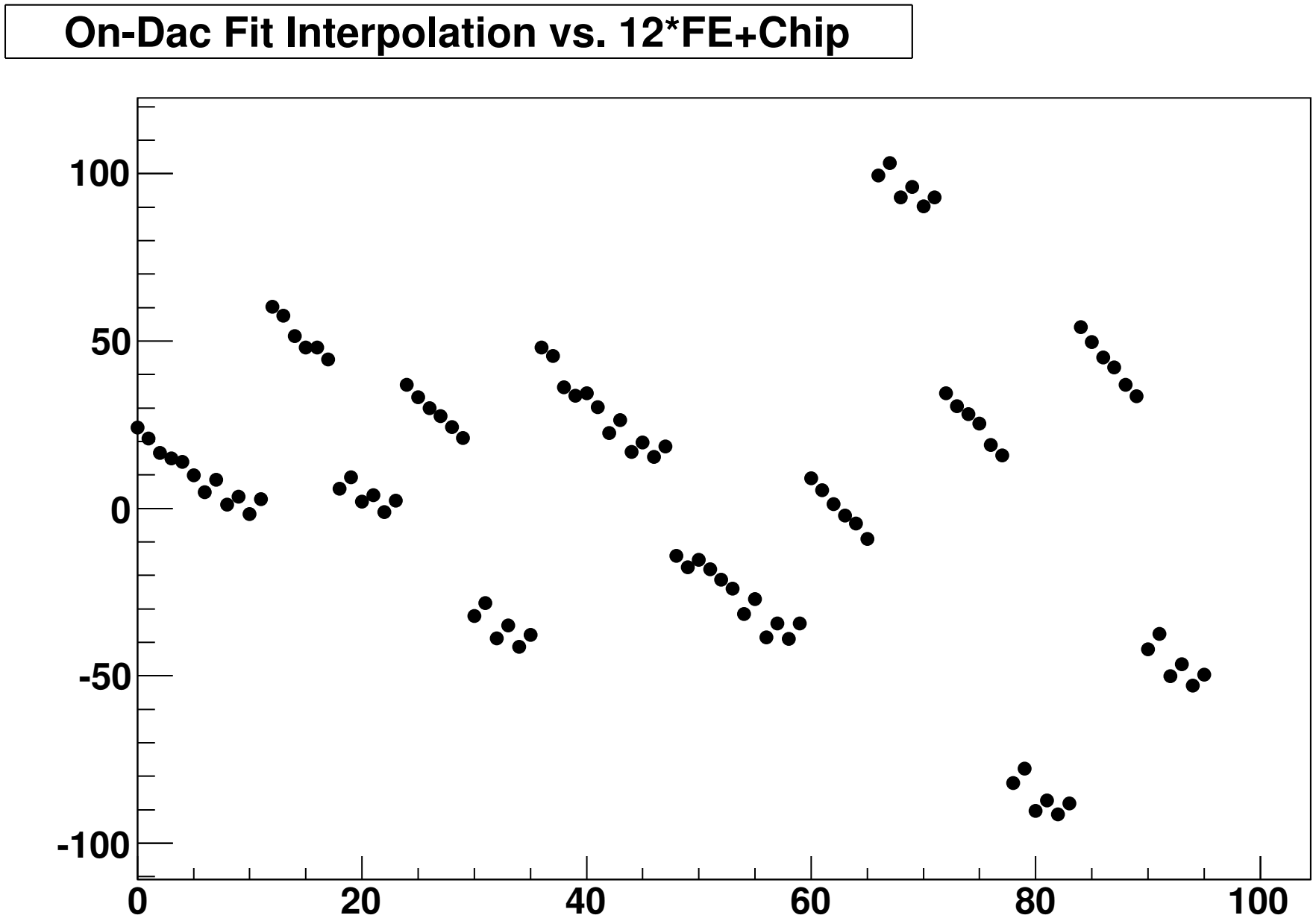

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 60.74 / 46
p0 1.475 ± 0.0009155
p1 4.789e-15 ± 3.872e-06
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

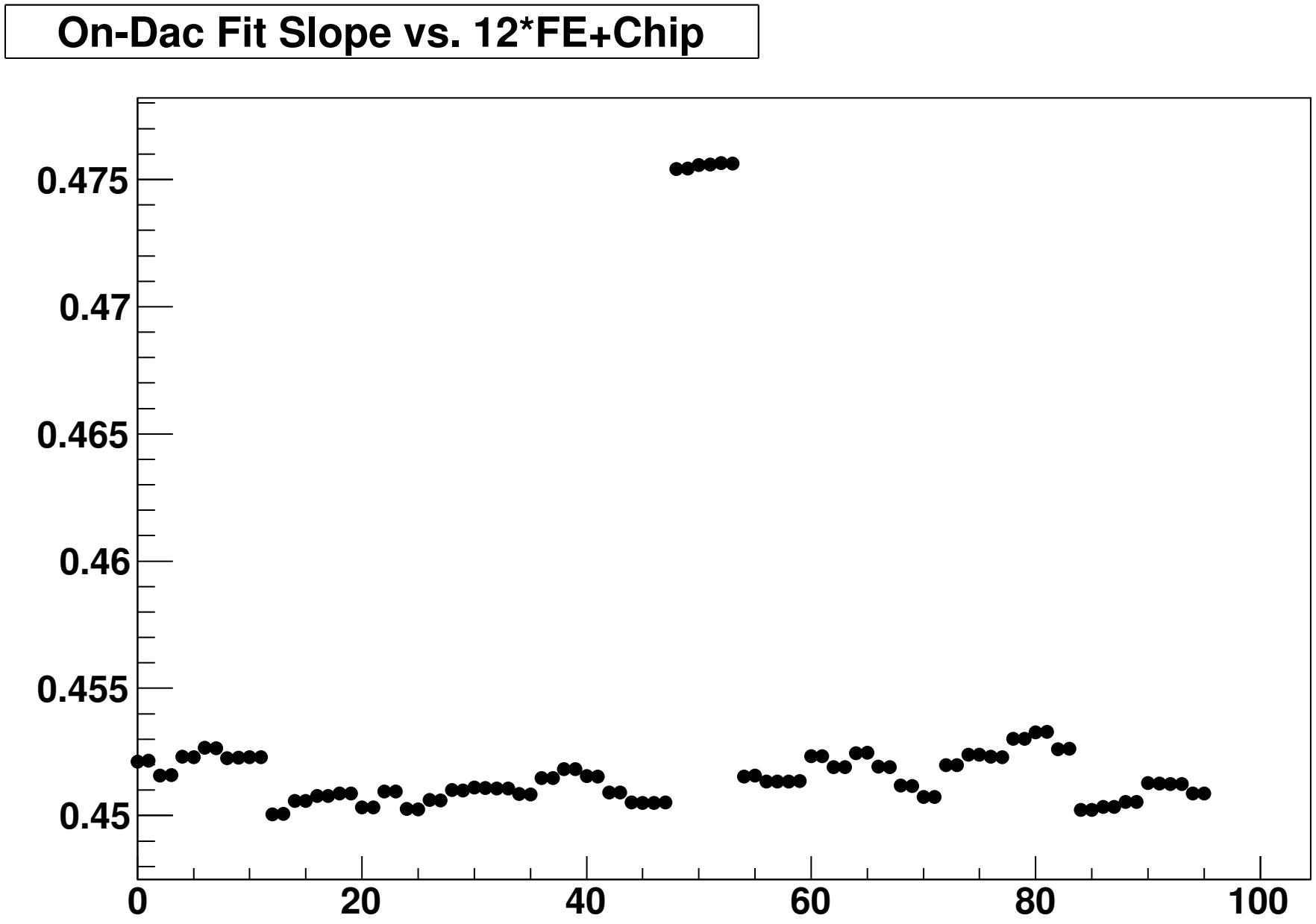

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 2.903e+05 / 46
p0 -49.64 ± 0.002676
p1 0.4509 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

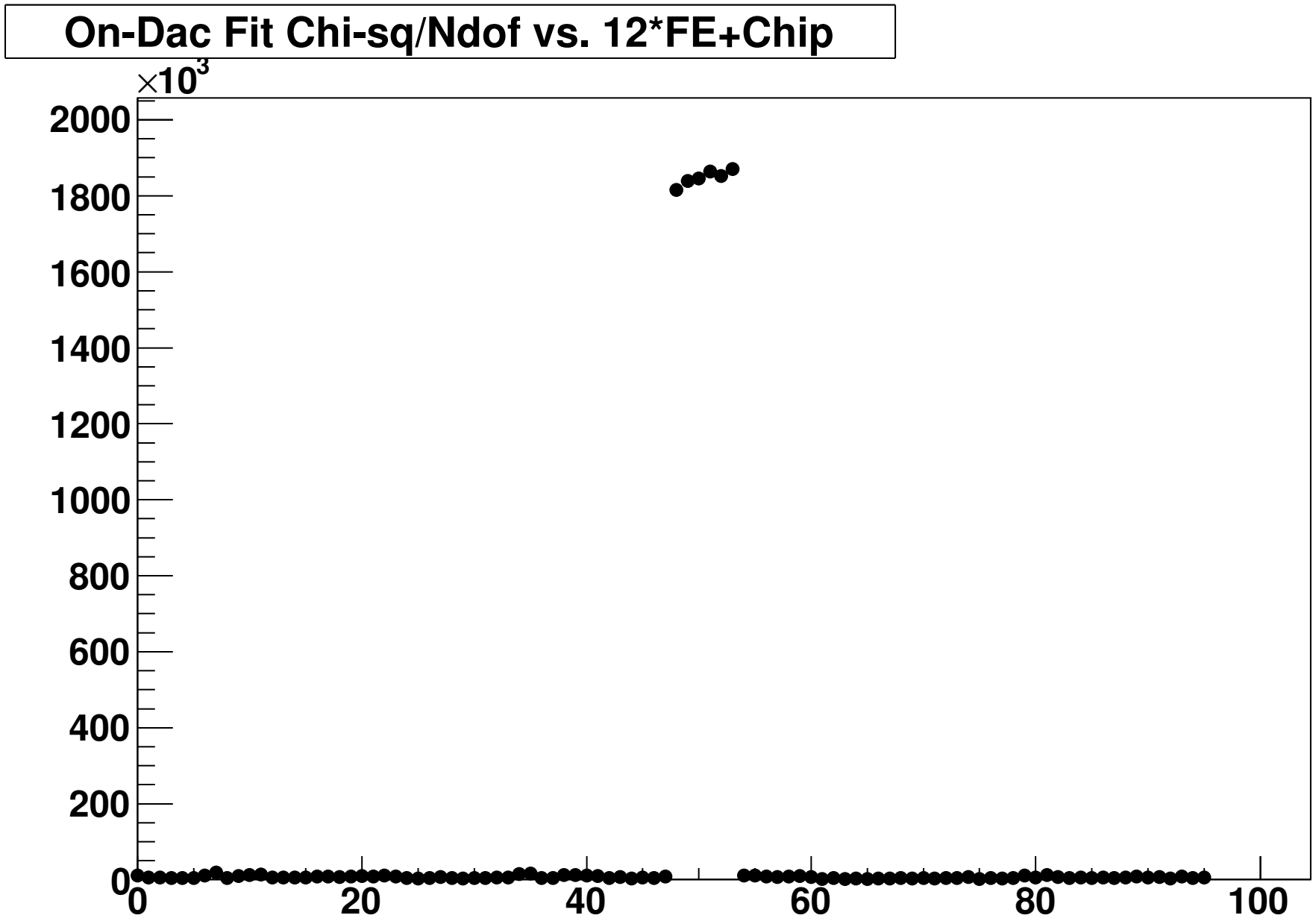

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 2748 / 46
p0 1.363 ± 0.001497
p1 3.456e-05 ± 8.006e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

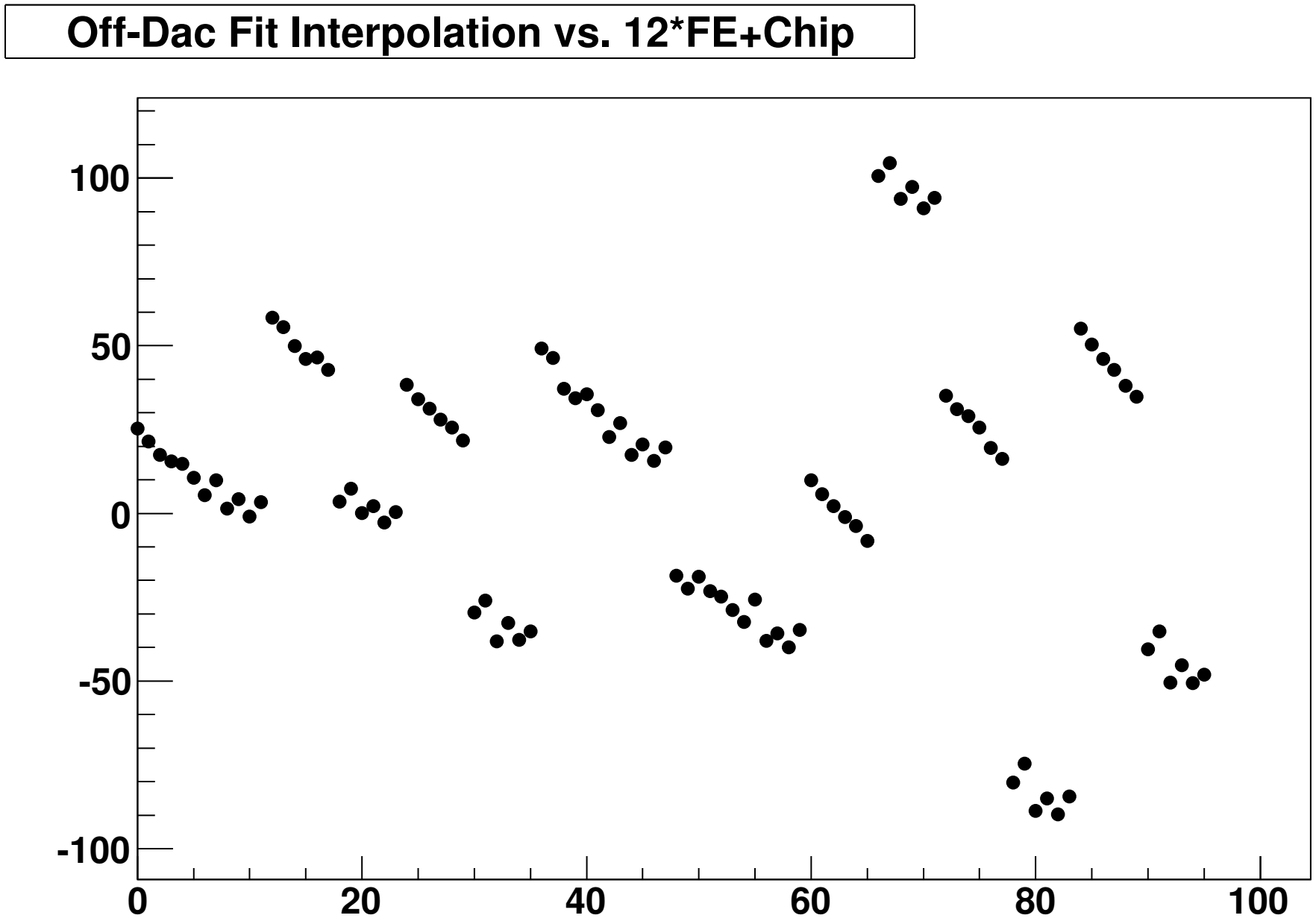

Disabled Dacs, Mean vs. 12*FE+Chip
50
40
30
20
10
0
-10
-20
-30
0
20
40
60
80
100

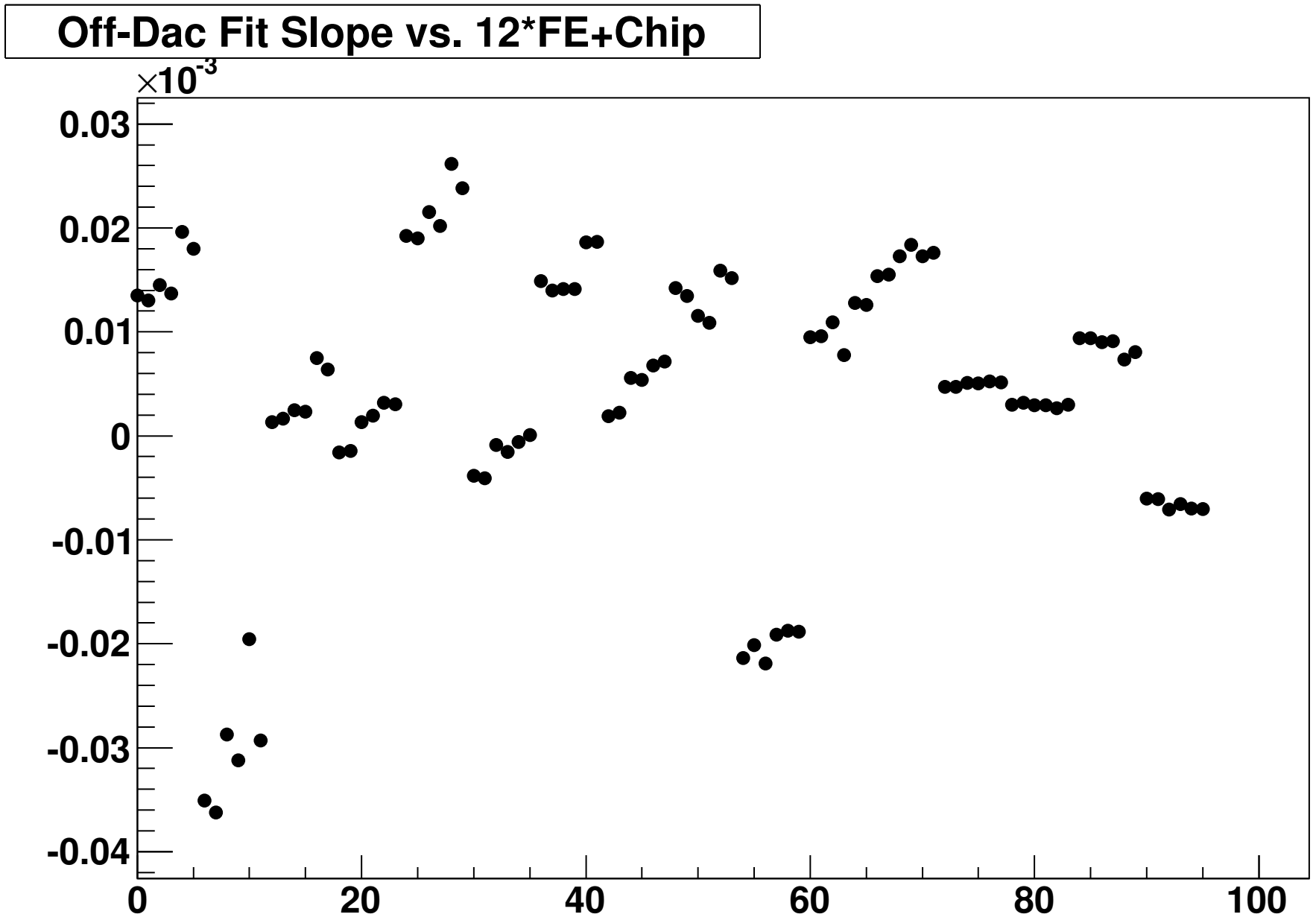

Disabled Dacs, Rms vs. 12*FE+Chip
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
20
40
60
80
100

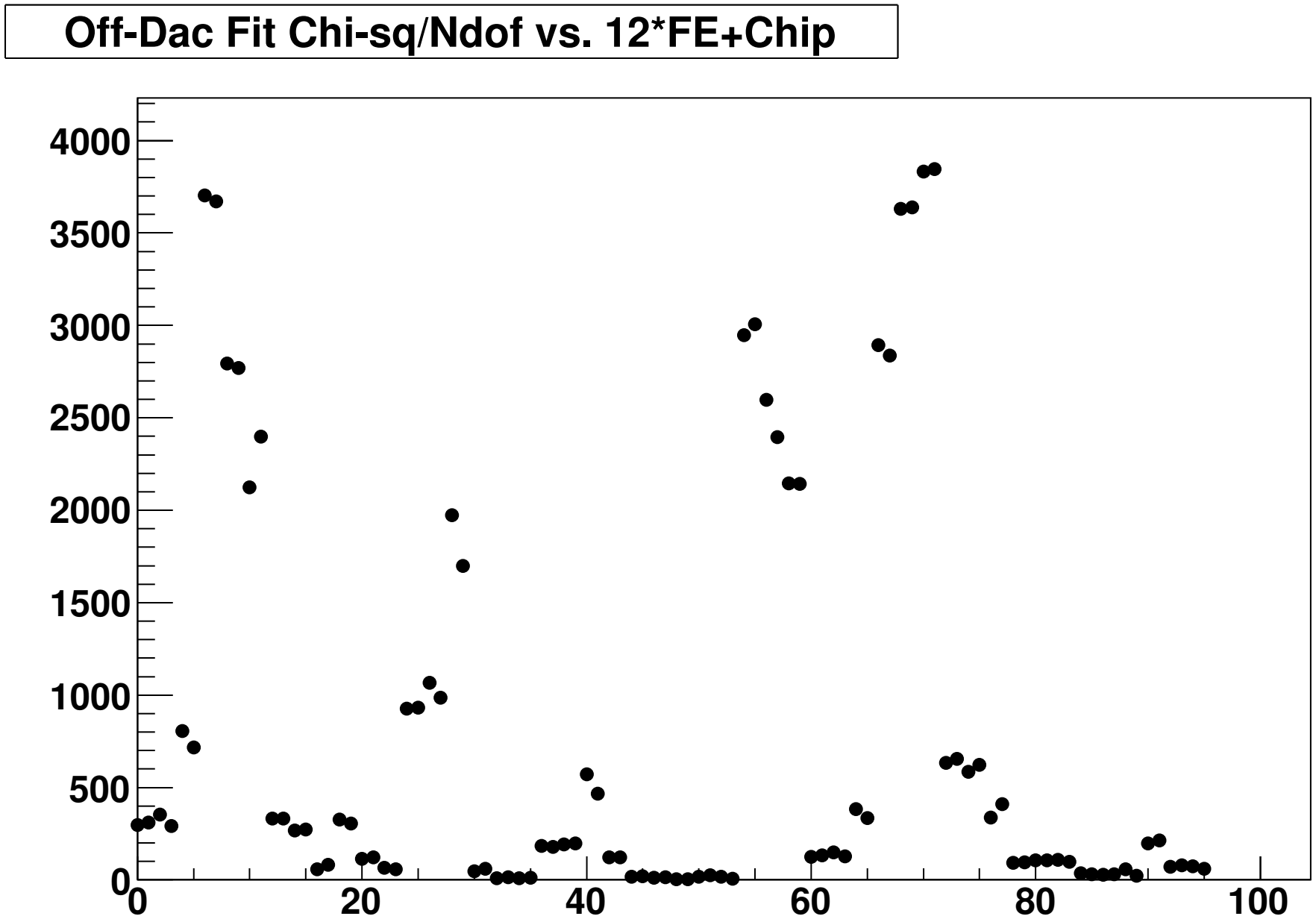

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

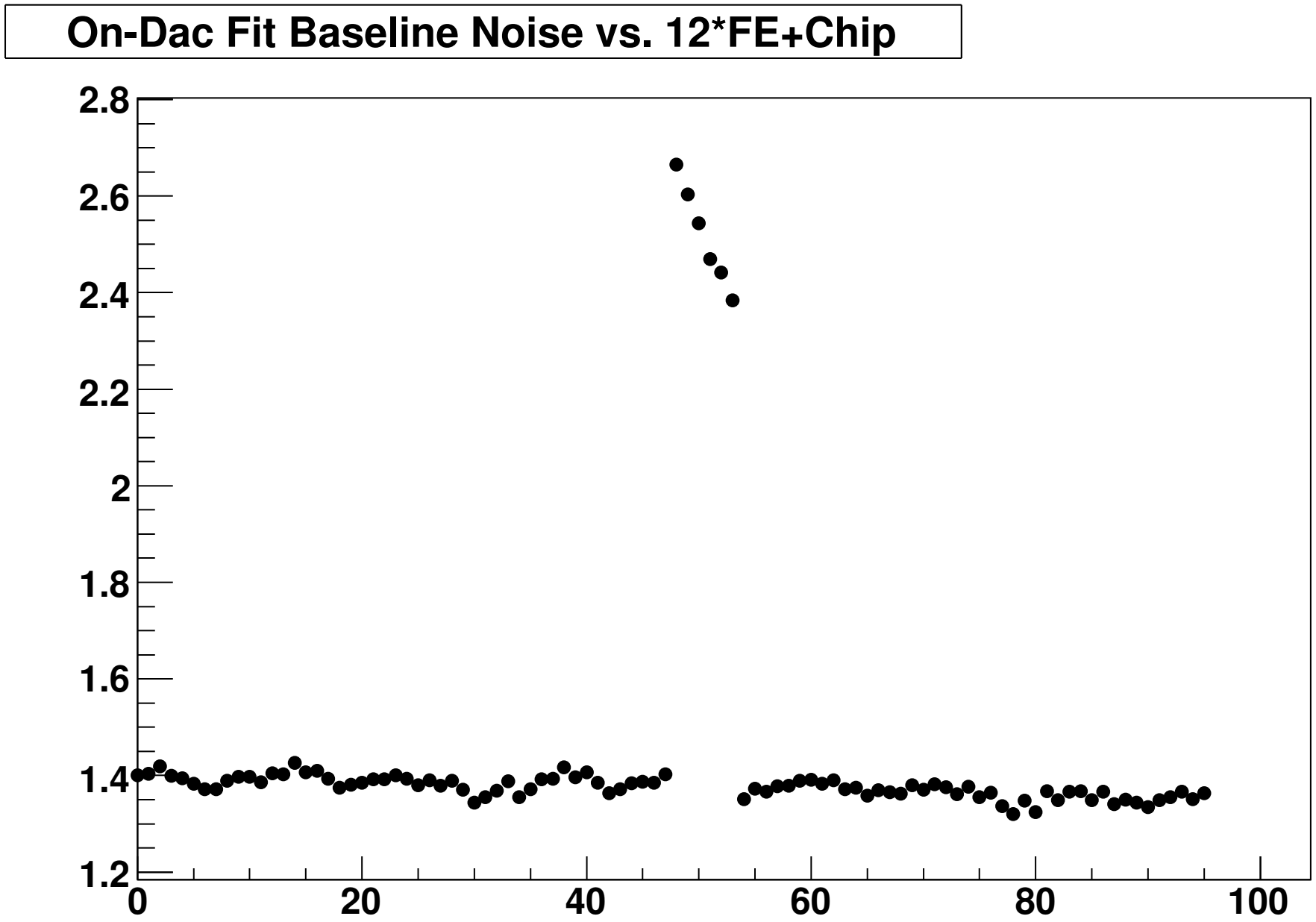

On-Dac Fit Slope vs. 12*FE+Chip
0.475
0.47
0.465
0.46
0.455
0.45
0
20
40
60
80
100

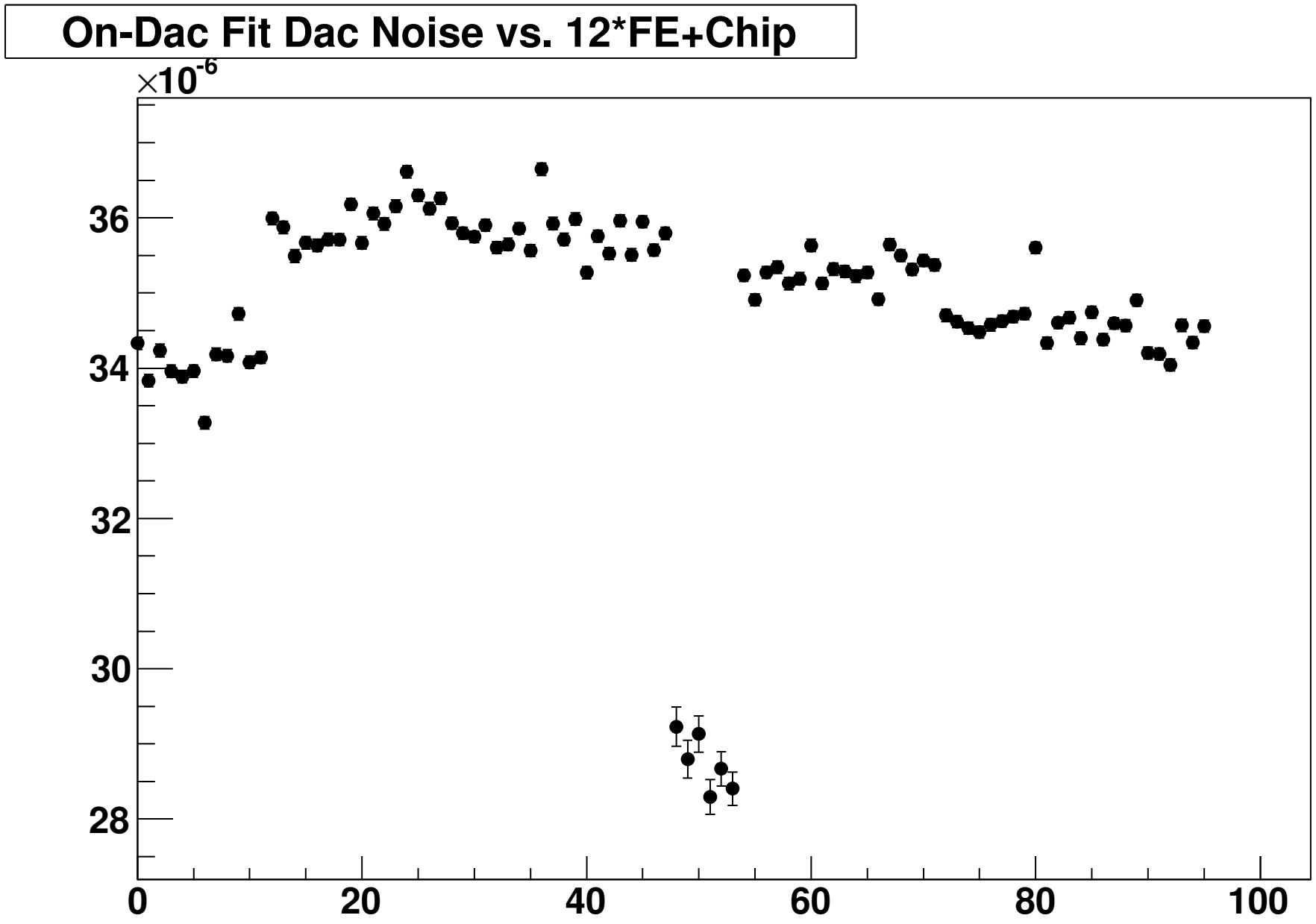

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

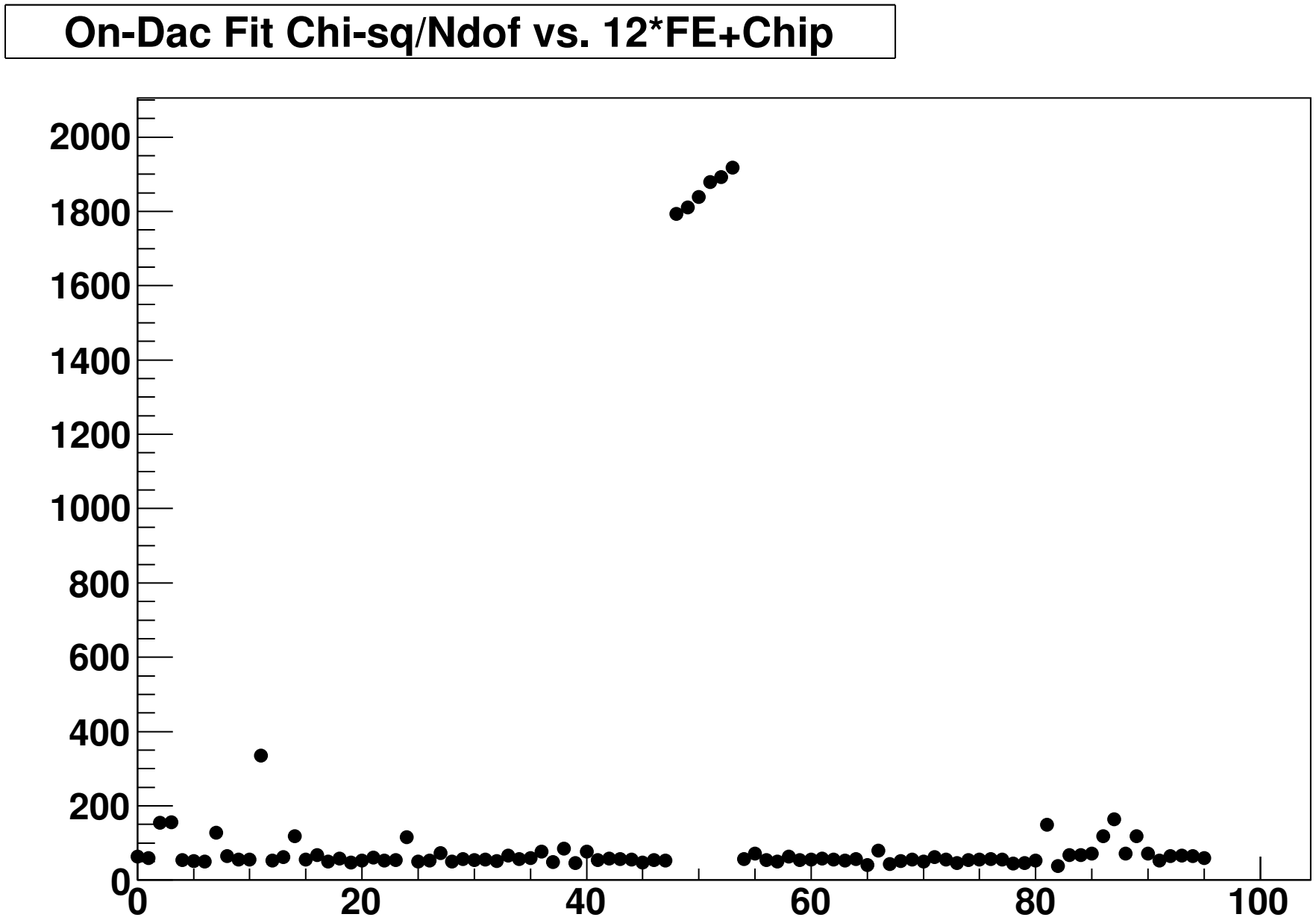

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

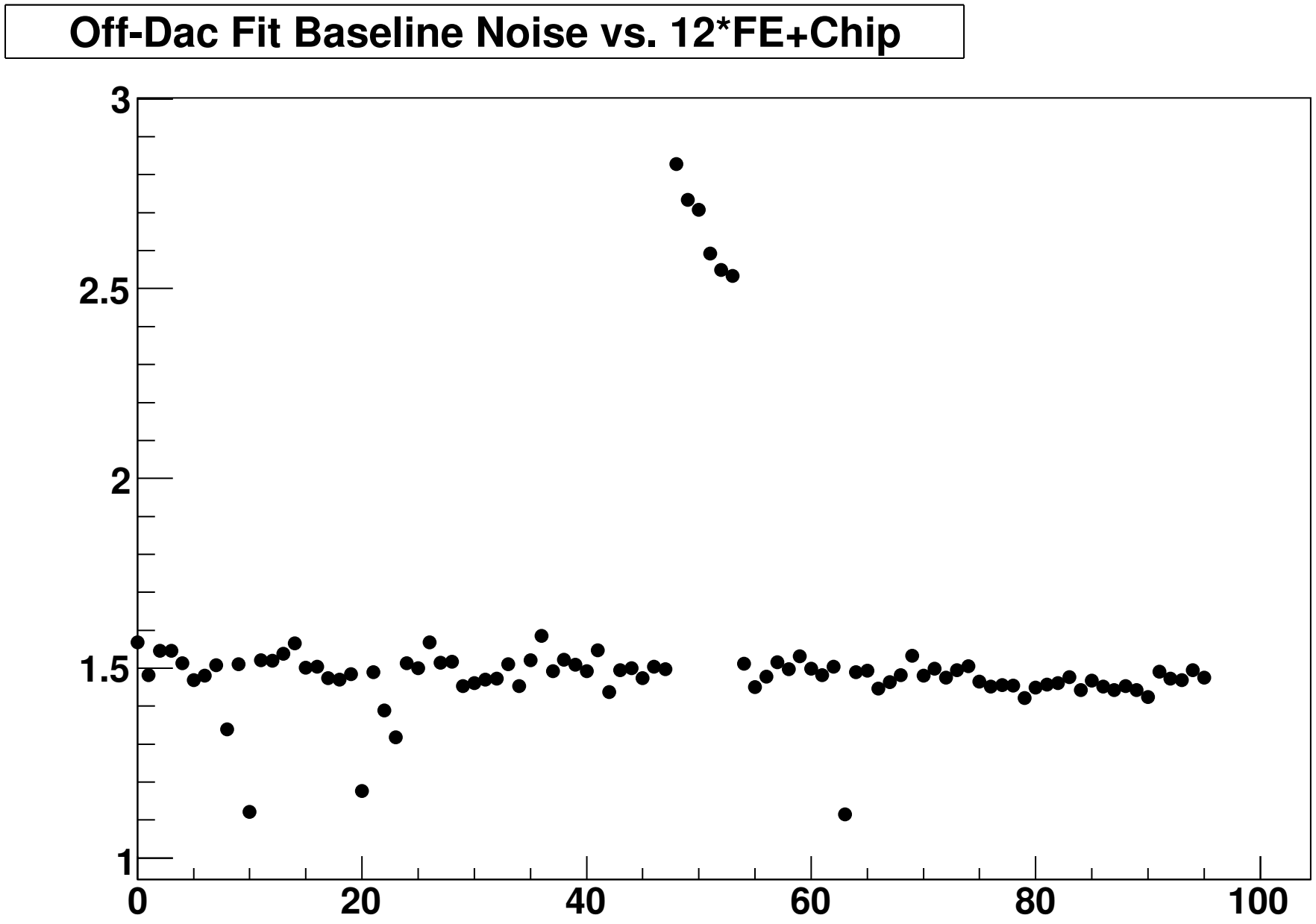

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-3
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
0
20
40
60
80
100

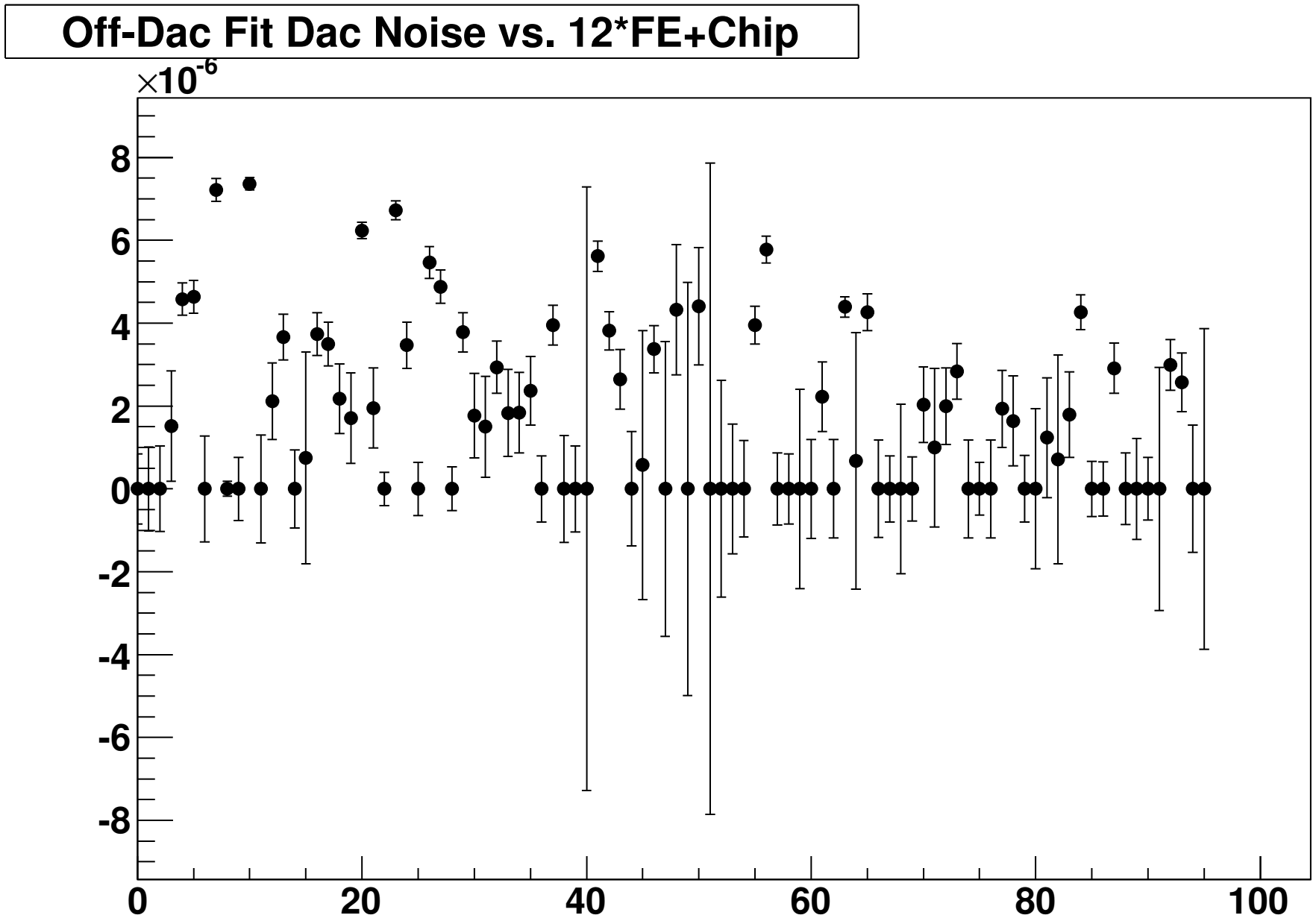

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100

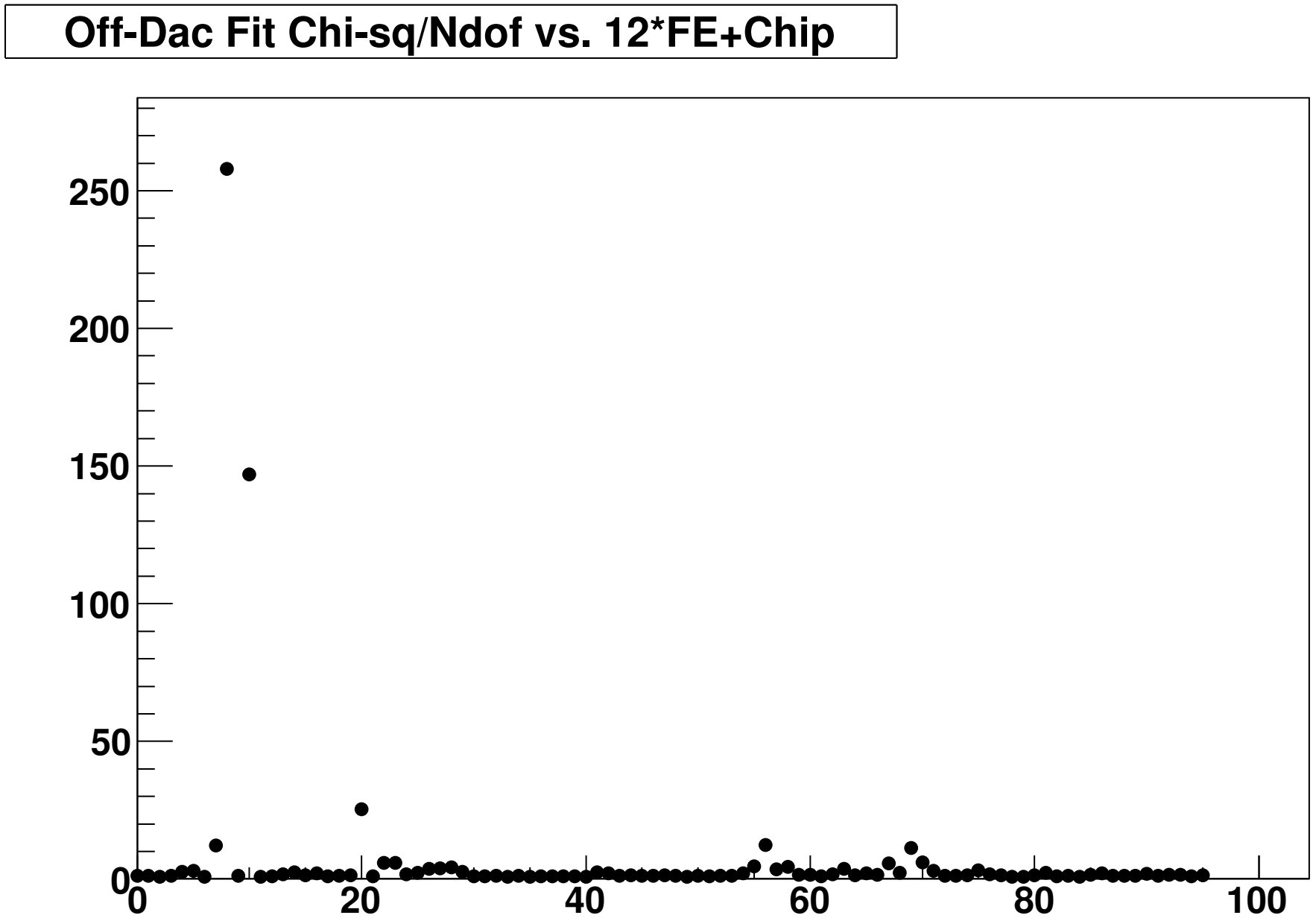

On-Dac Fit Baseline Noise vs. 12*FE+Chip
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
20
40
60
80
100

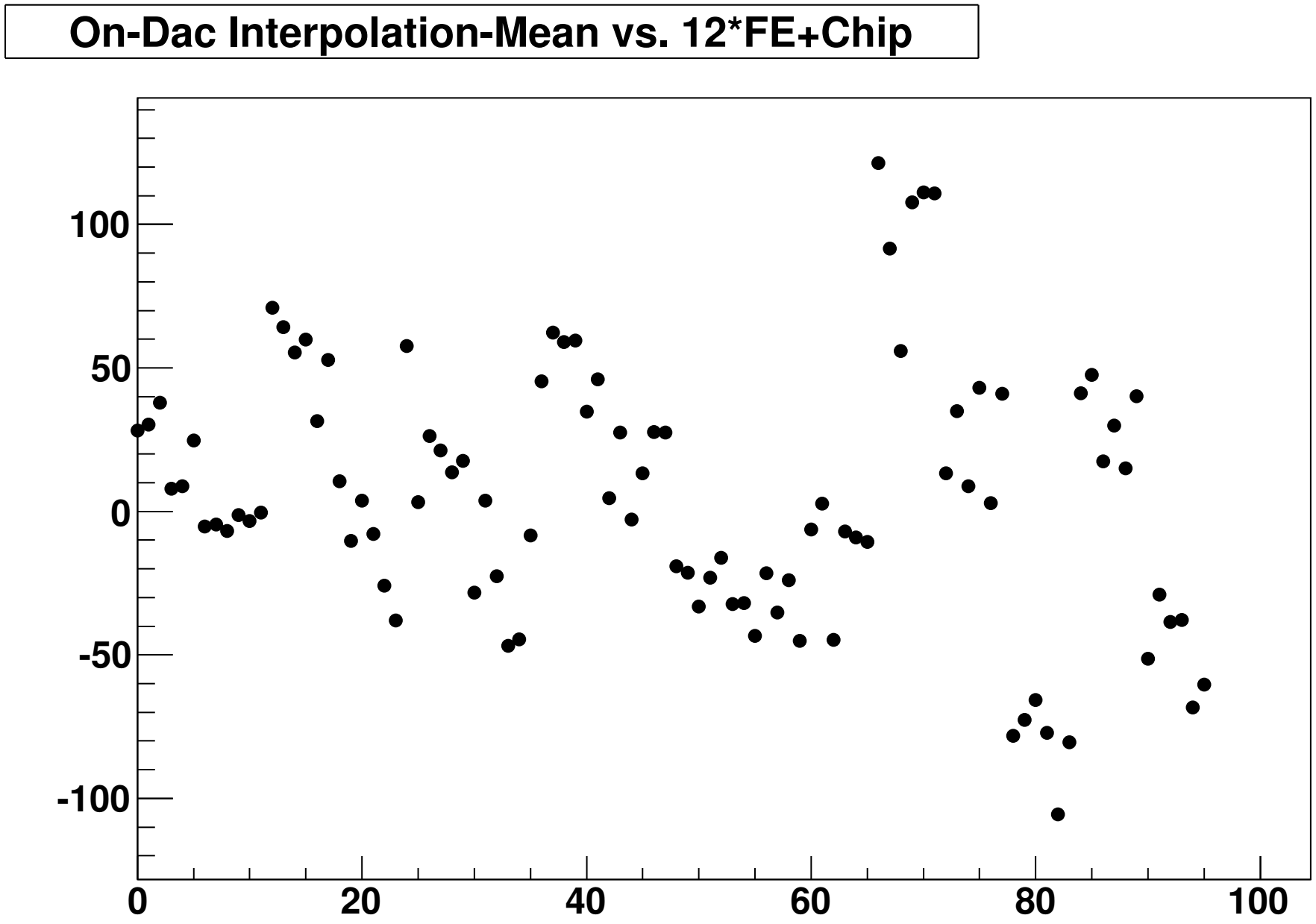

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
36
34
32
30
28
0
20
40
60
80
100

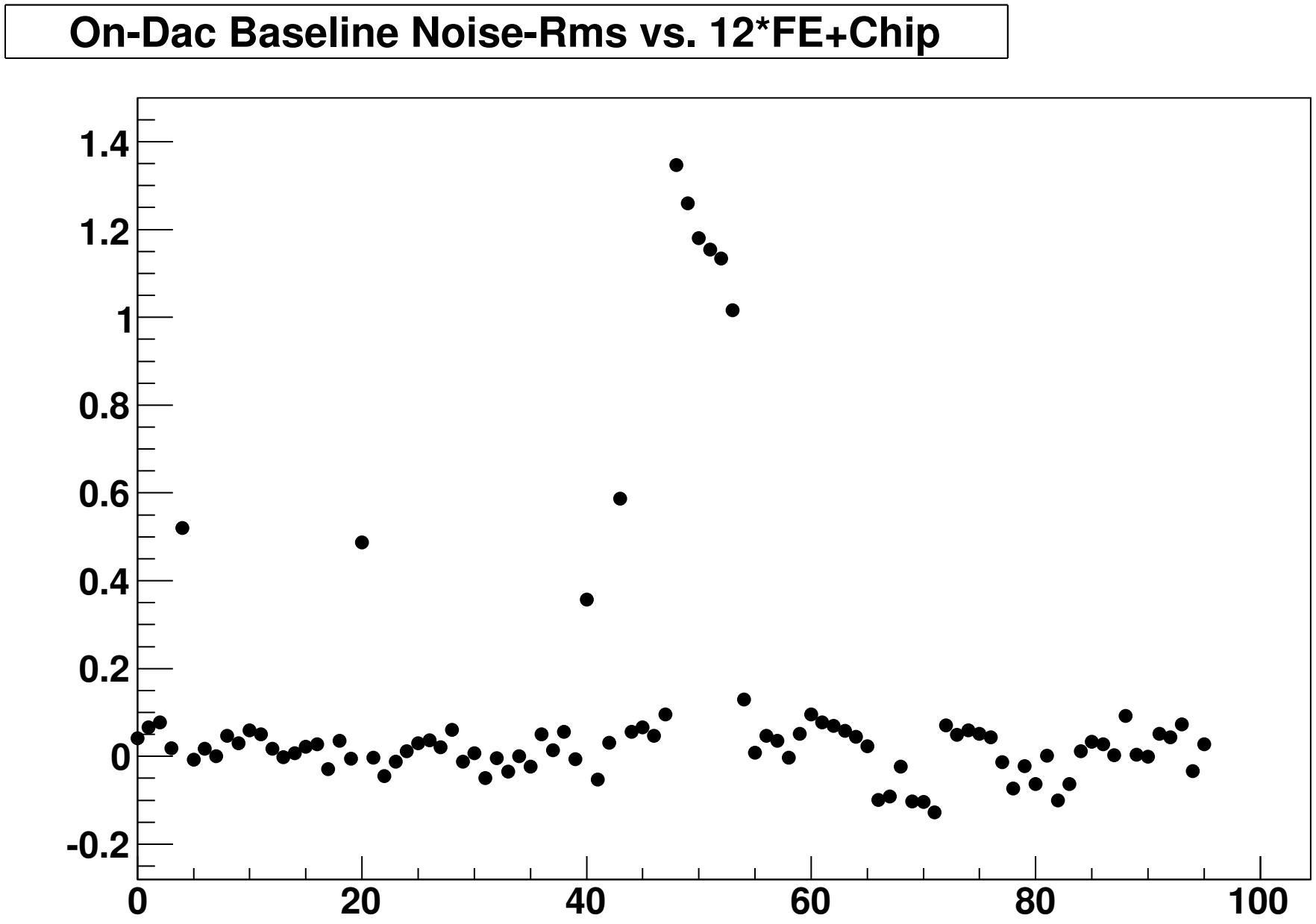

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

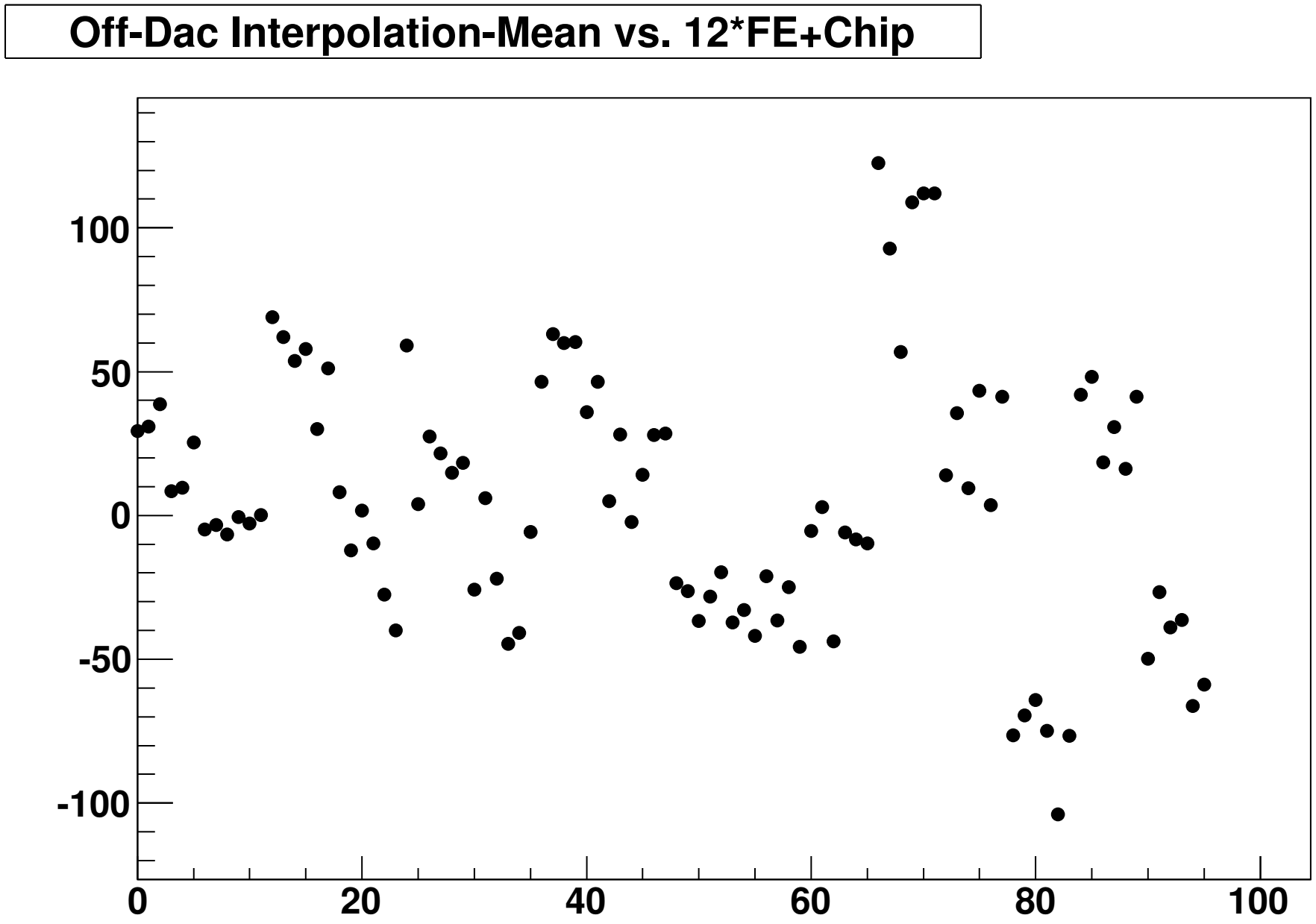

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
3
2.5
2
1.5
1
0
20
40
60
80
100

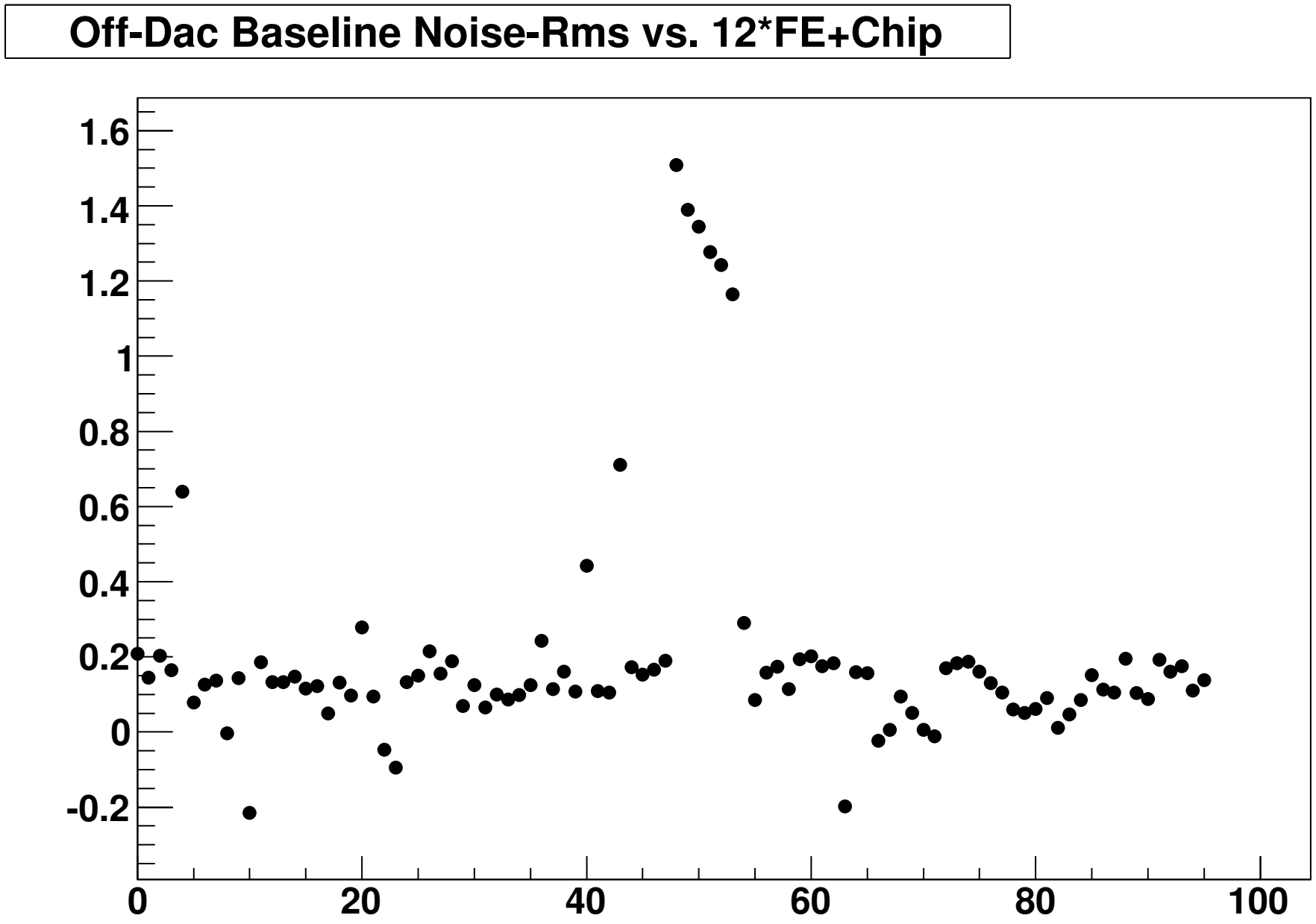

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-6
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
250
200
150
100
50
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100