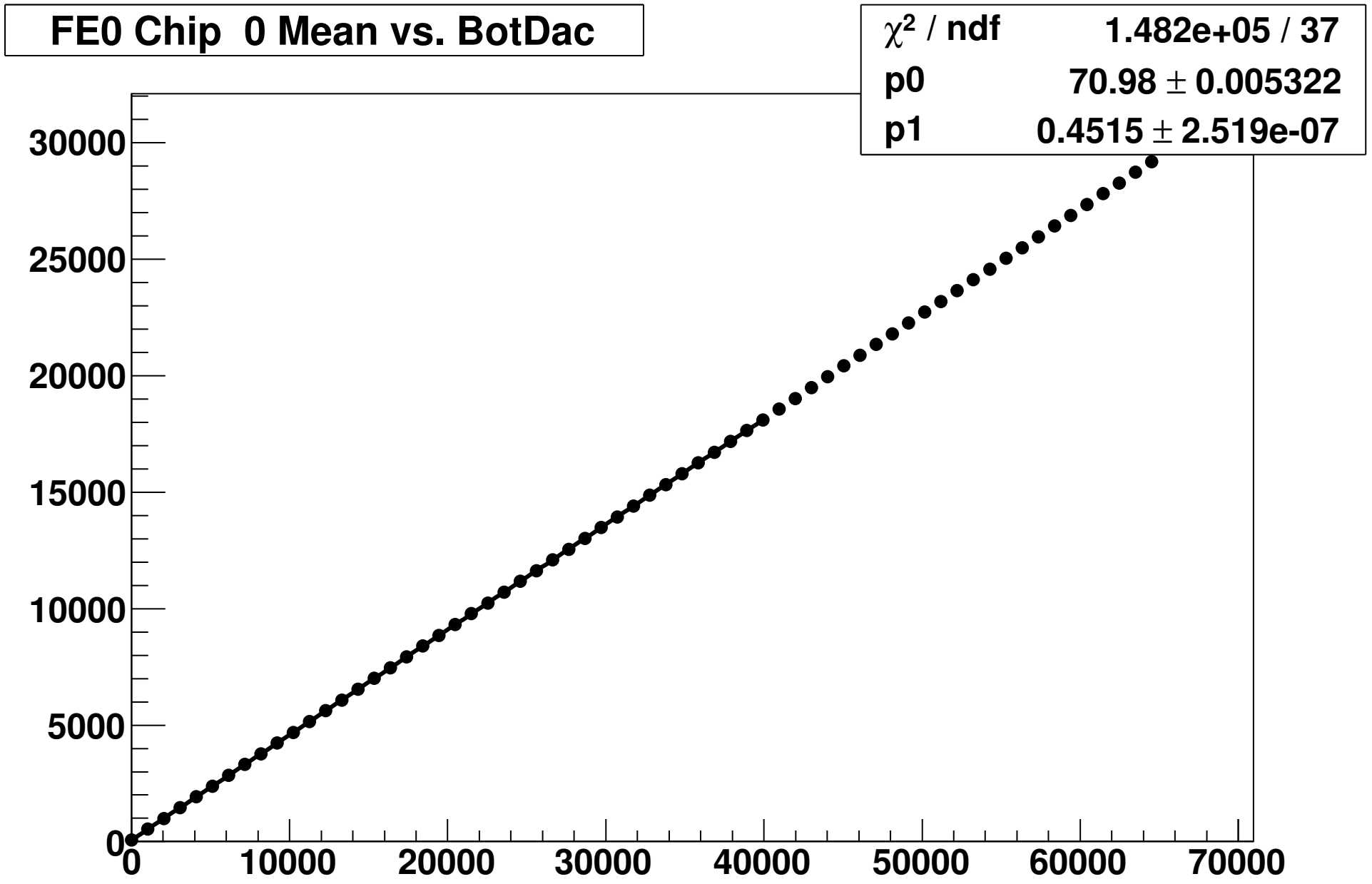
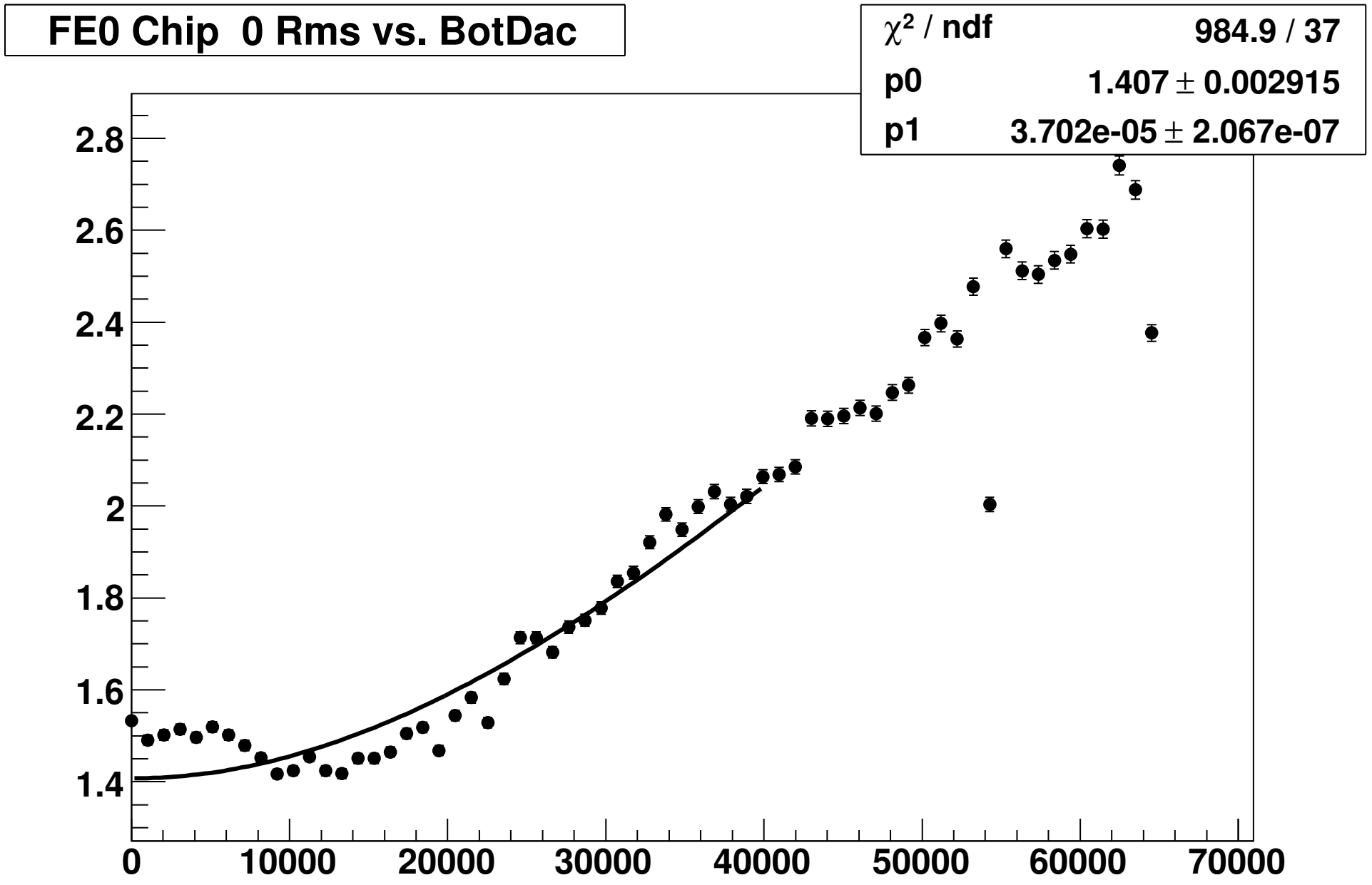
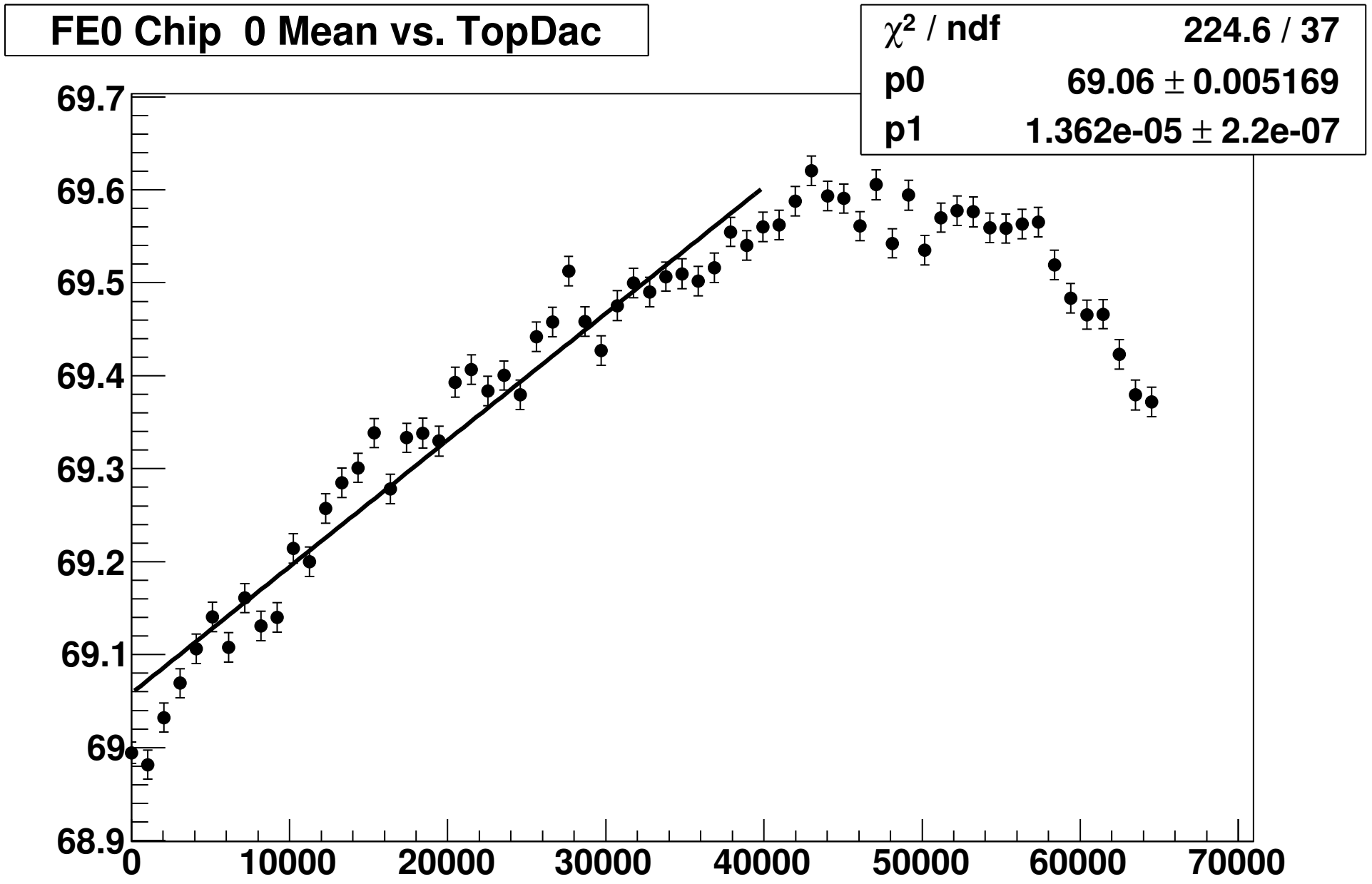

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.482e+05 / 37
p0 70.98 ± 0.005322
p1 0.4515 ± 2.519e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 984.9 / 37
p0 1.407 ± 0.002915
p1 3.702e-05 ± 2.067e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 224.6 / 37
p0 69.06 ± 0.005169
p1 1.362e-05 ± 2.2e-07
69.7
69.6
69.5
69.4
69.3
69.2
69.1
69
68.9
0
10000
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30000
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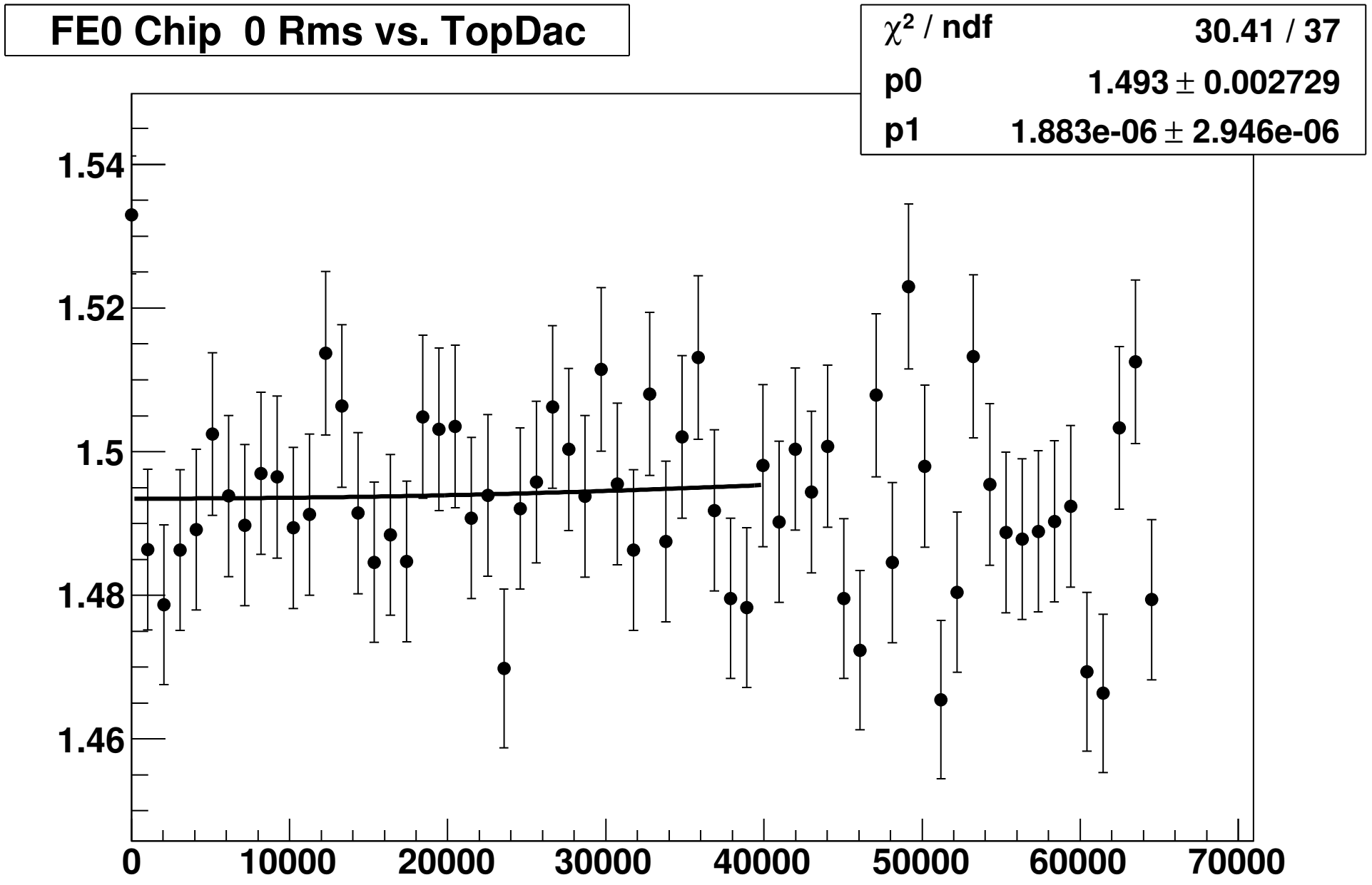
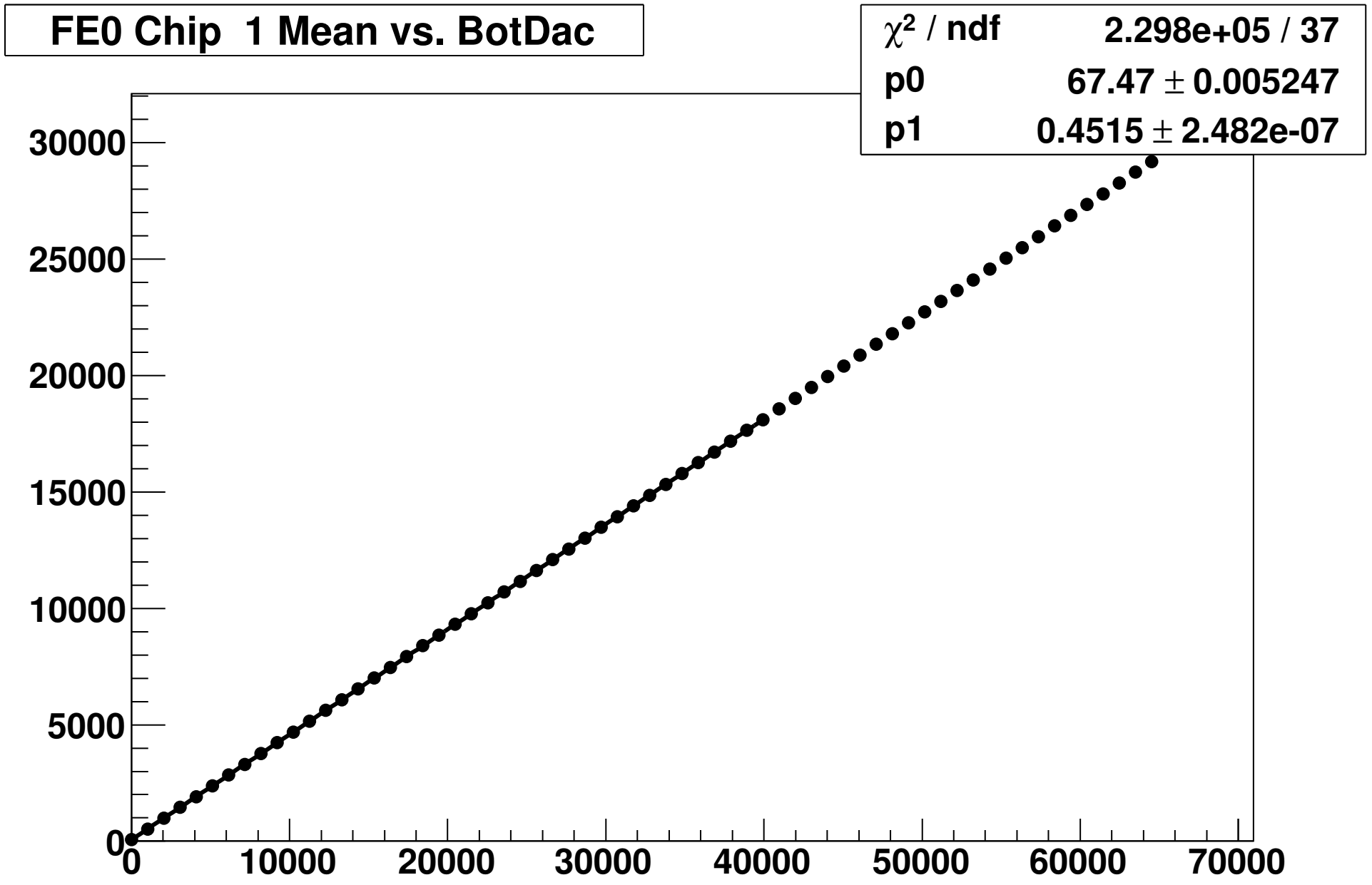
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 30.41 / 37
p0 1.493 ± 0.002729
p1 1.883e-06 ± 2.946e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 2.298e+05 / 37
p0 67.47 ± 0.005247
p1 0.4515 ± 2.482e-07
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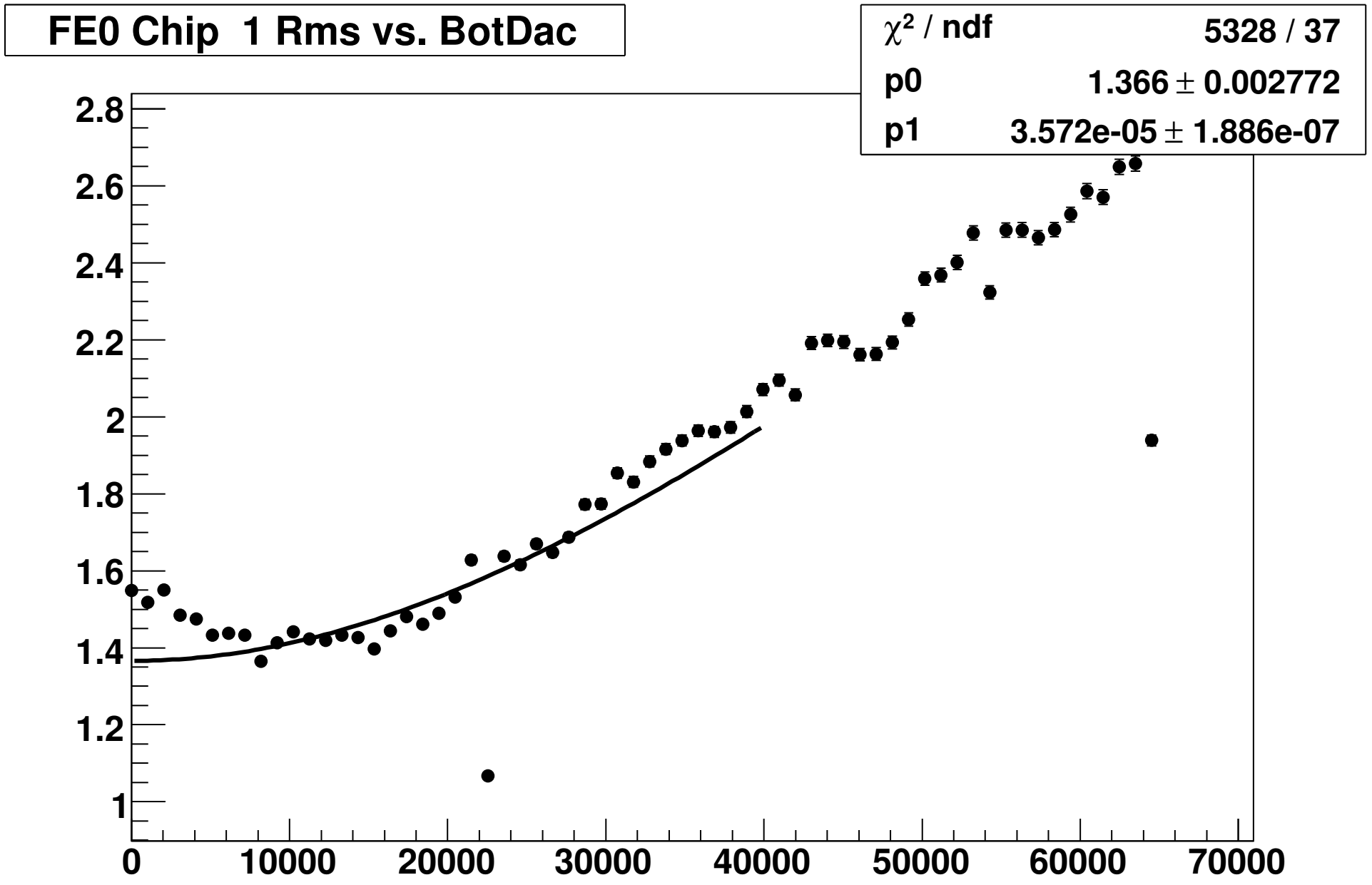
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 5328 / 37
p0 1.366 ± 0.002772
p1 3.572e-05 ± 1.886e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
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20000
30000
40000
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60000
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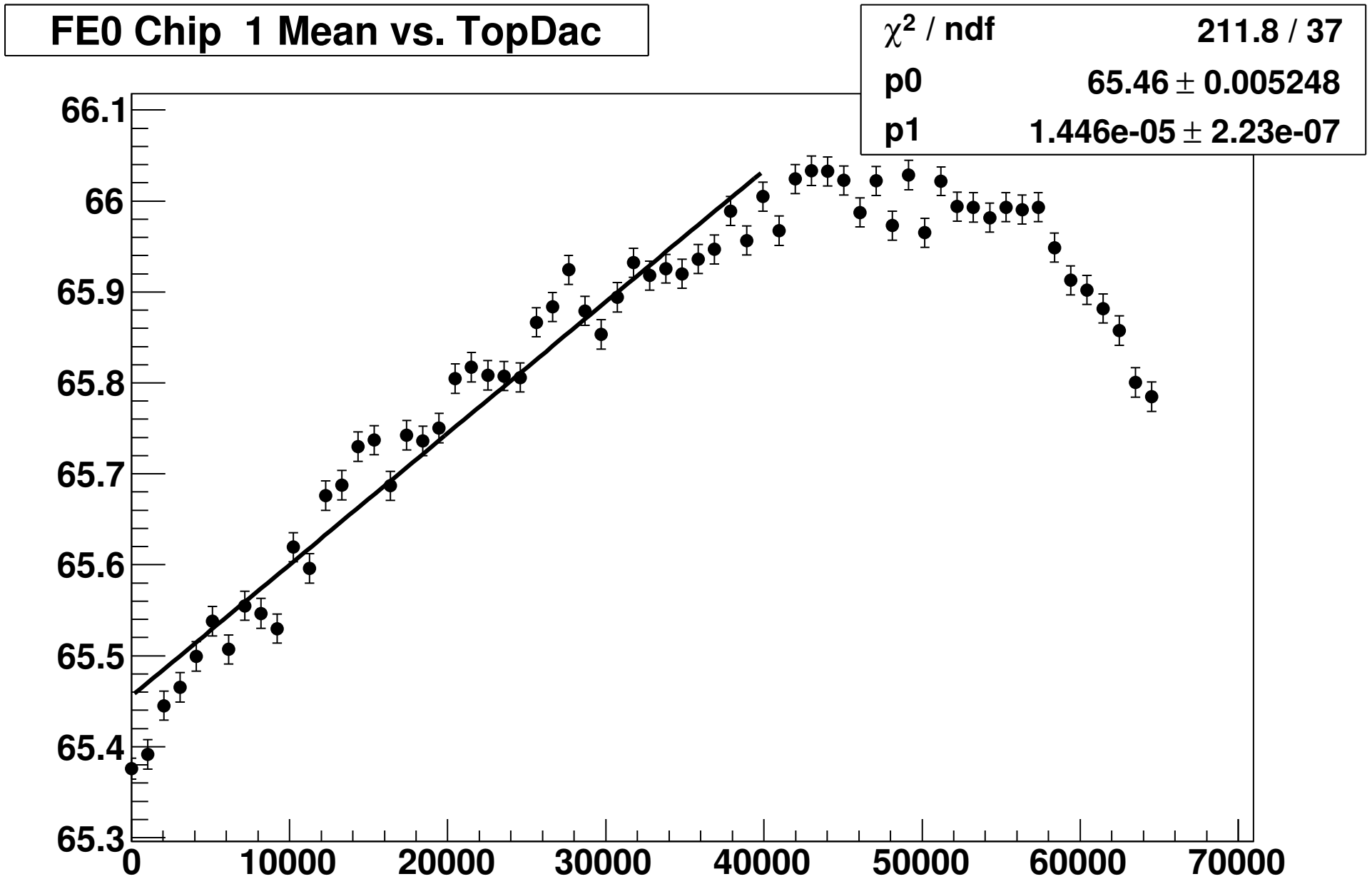
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 211.8 / 37
p0 65.46 ± 0.005248
p1 1.446e-05 ± 2.23e-07
66.1
66
65.9
65.8
65.7
65.6
65.5
65.4
65.3
0
10000
20000
30000
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50000
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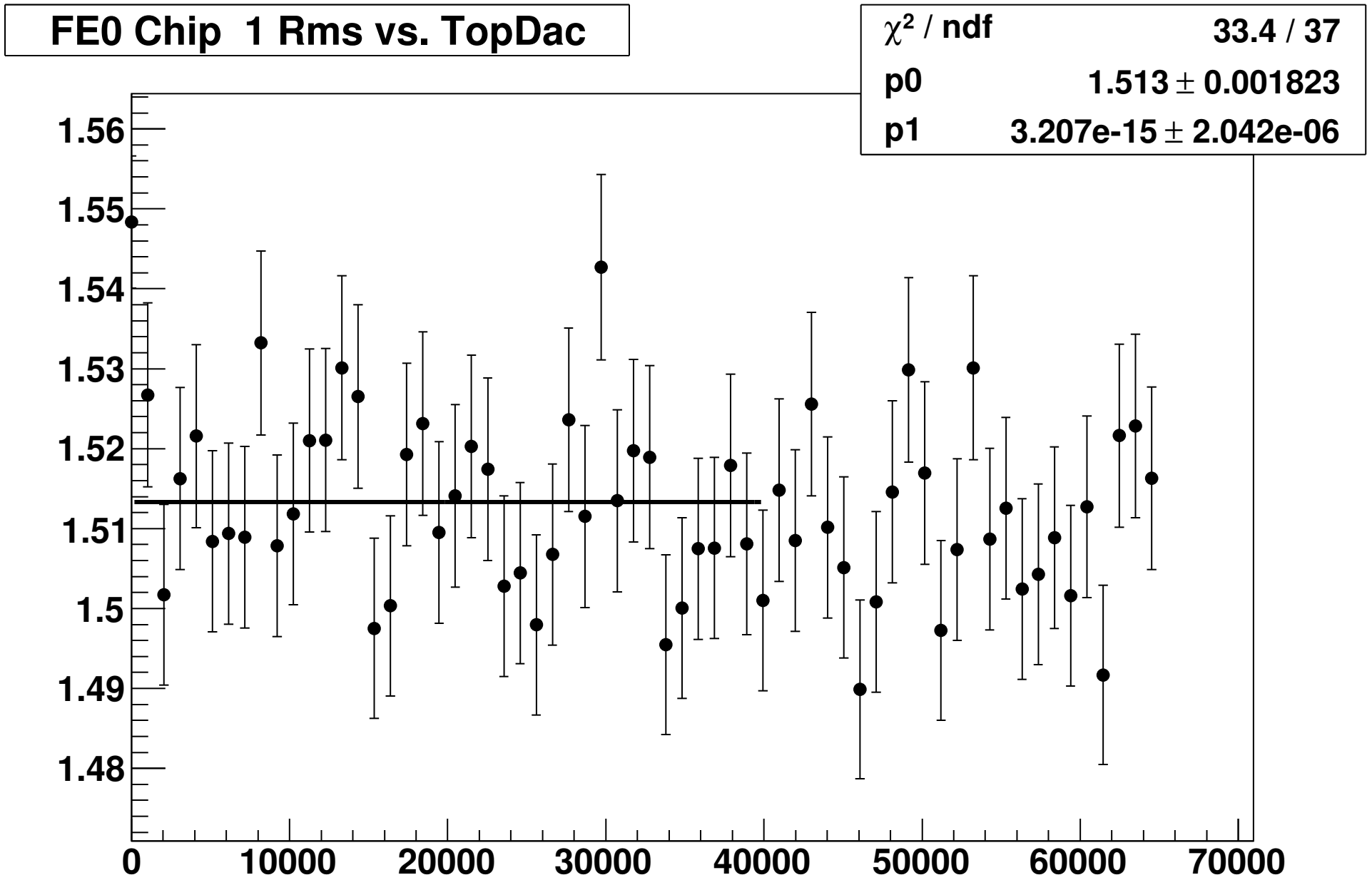
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 33.4 / 37
p0 1.513 ± 0.001823
p1 3.207e-15 ± 2.042e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
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50000
60000
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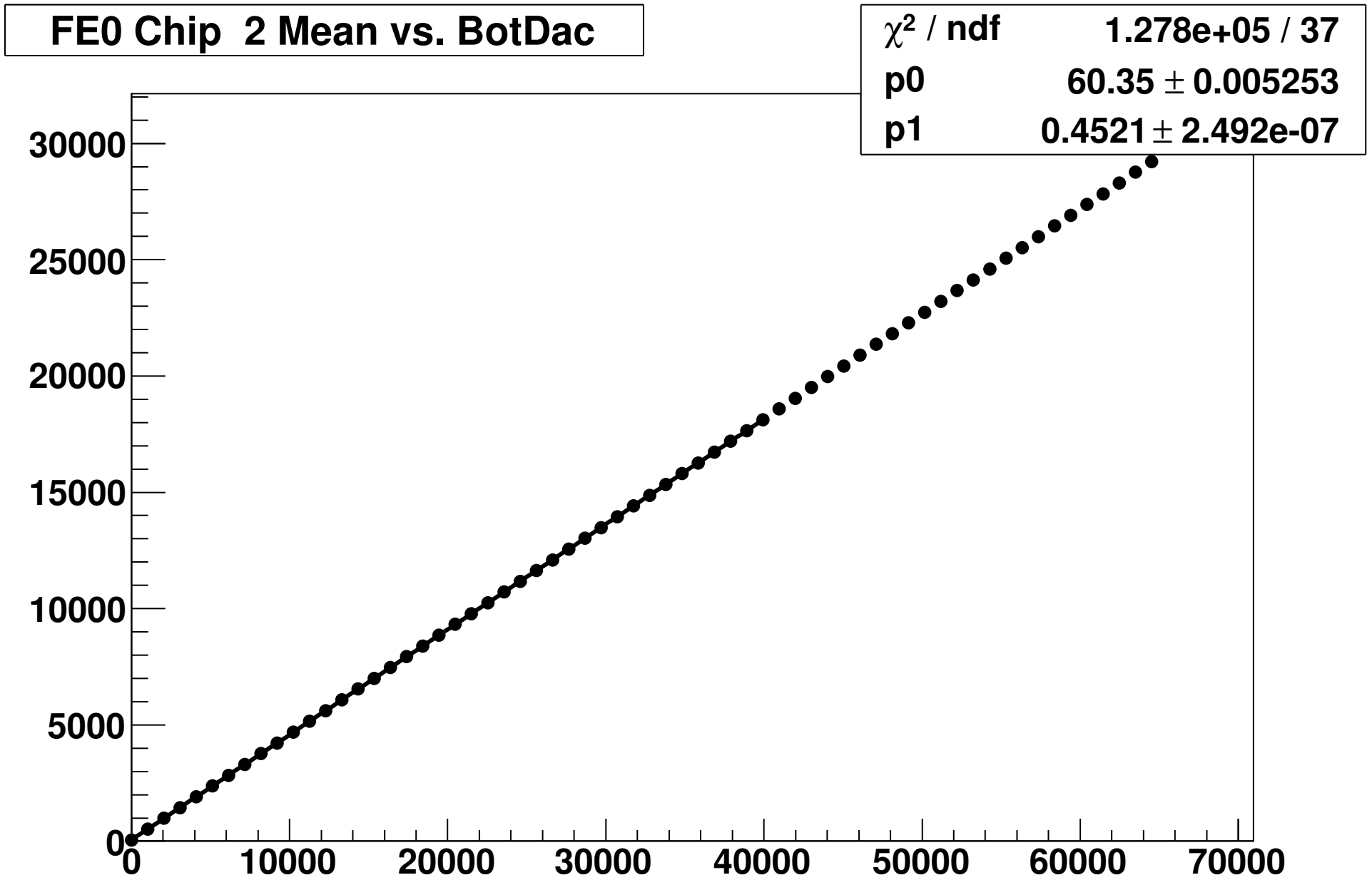
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.278e+05 / 37
p0 60.35 ± 0.005253
p1 0.4521 ± 2.492e-07
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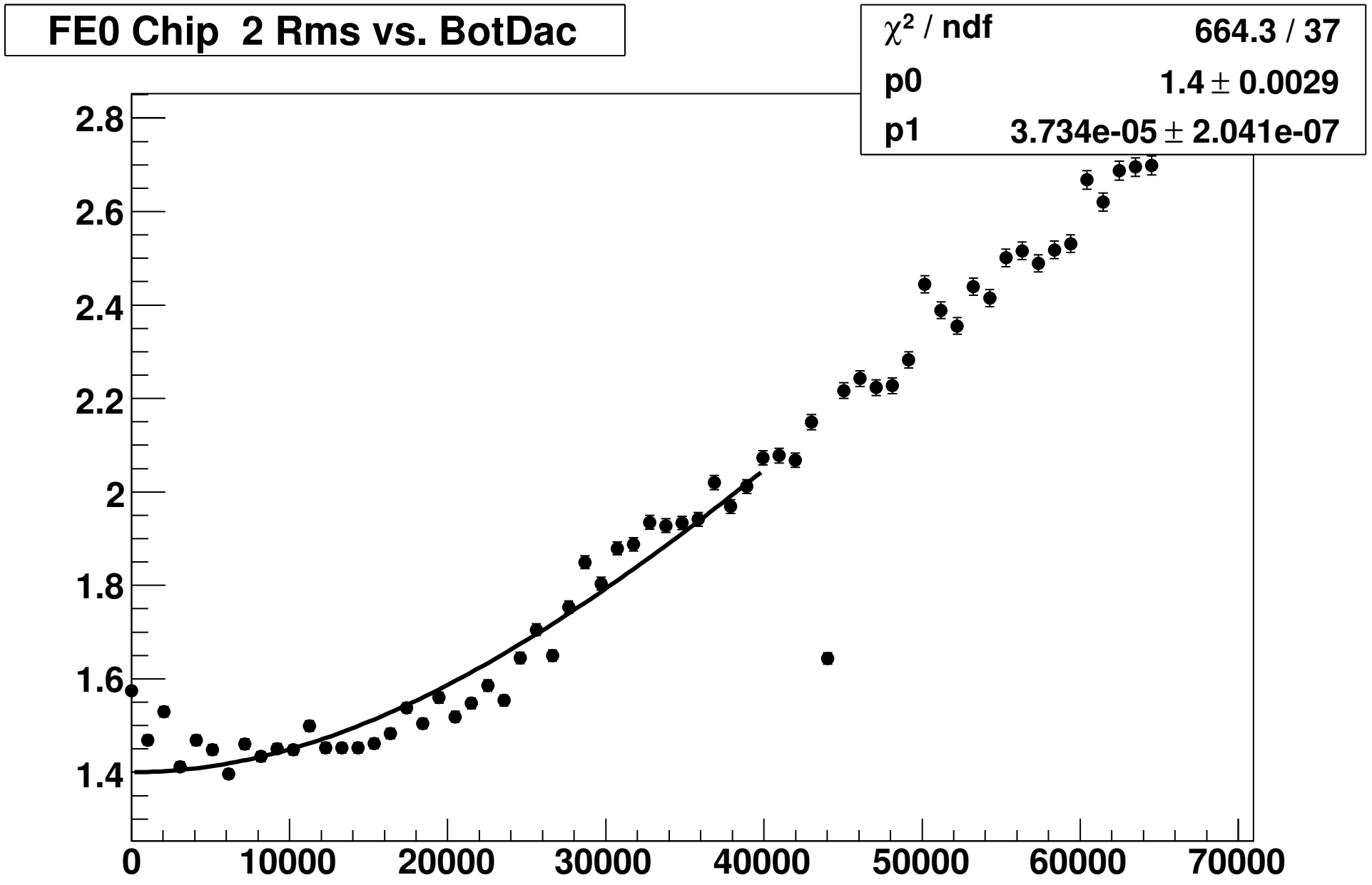
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 664.3 / 37
p0 1.4 ± 0.0029
p1 3.734e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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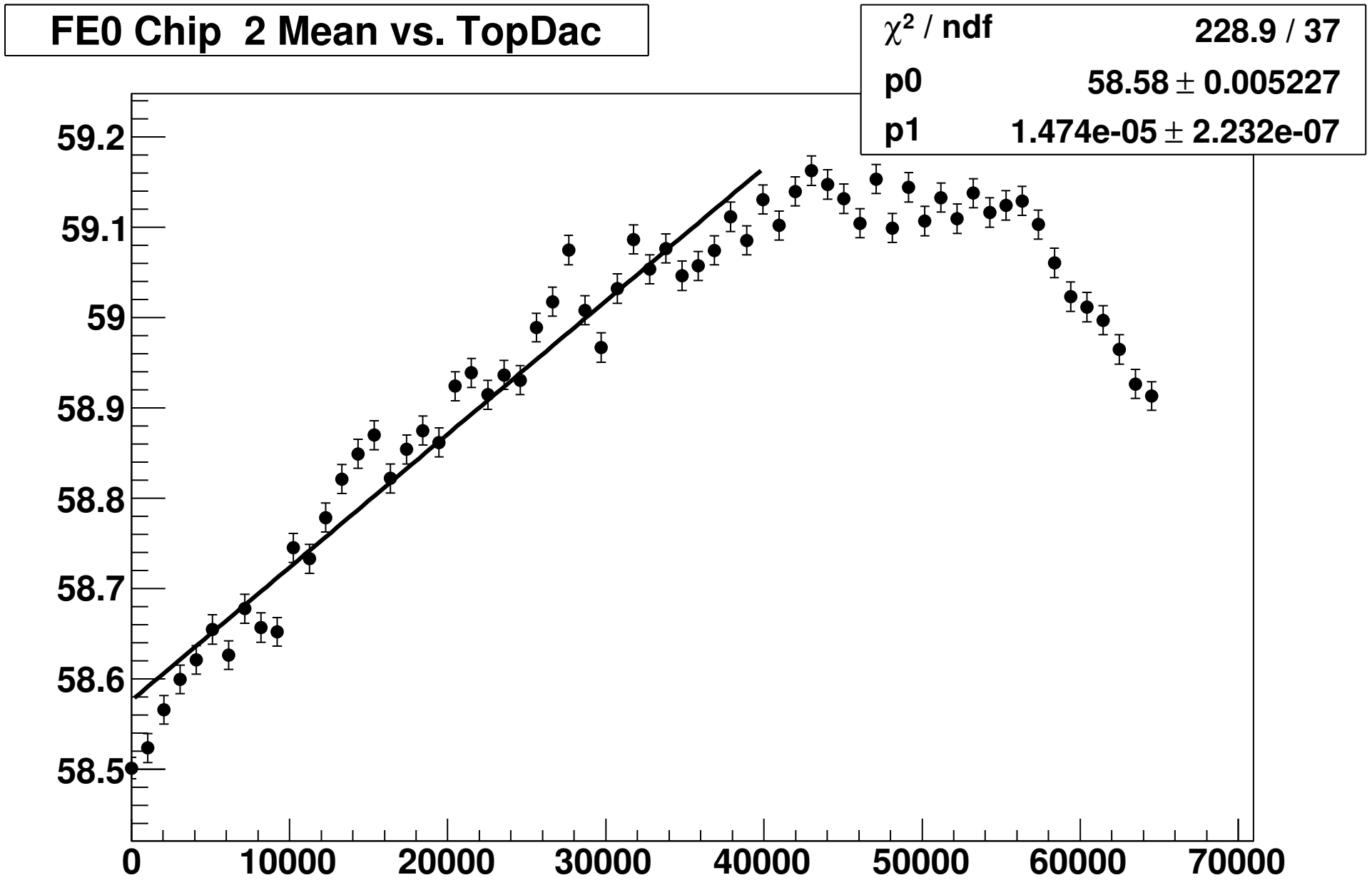
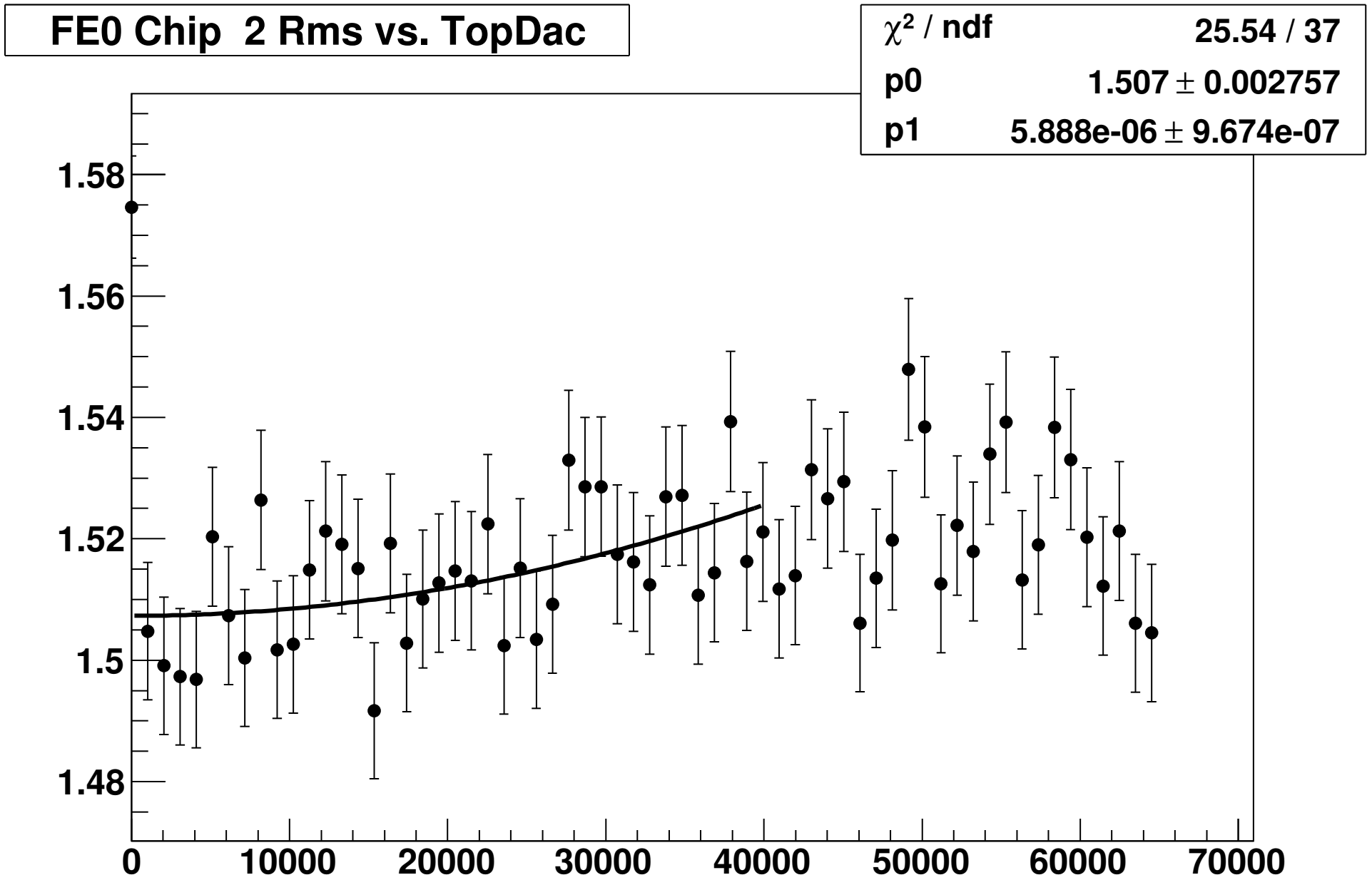
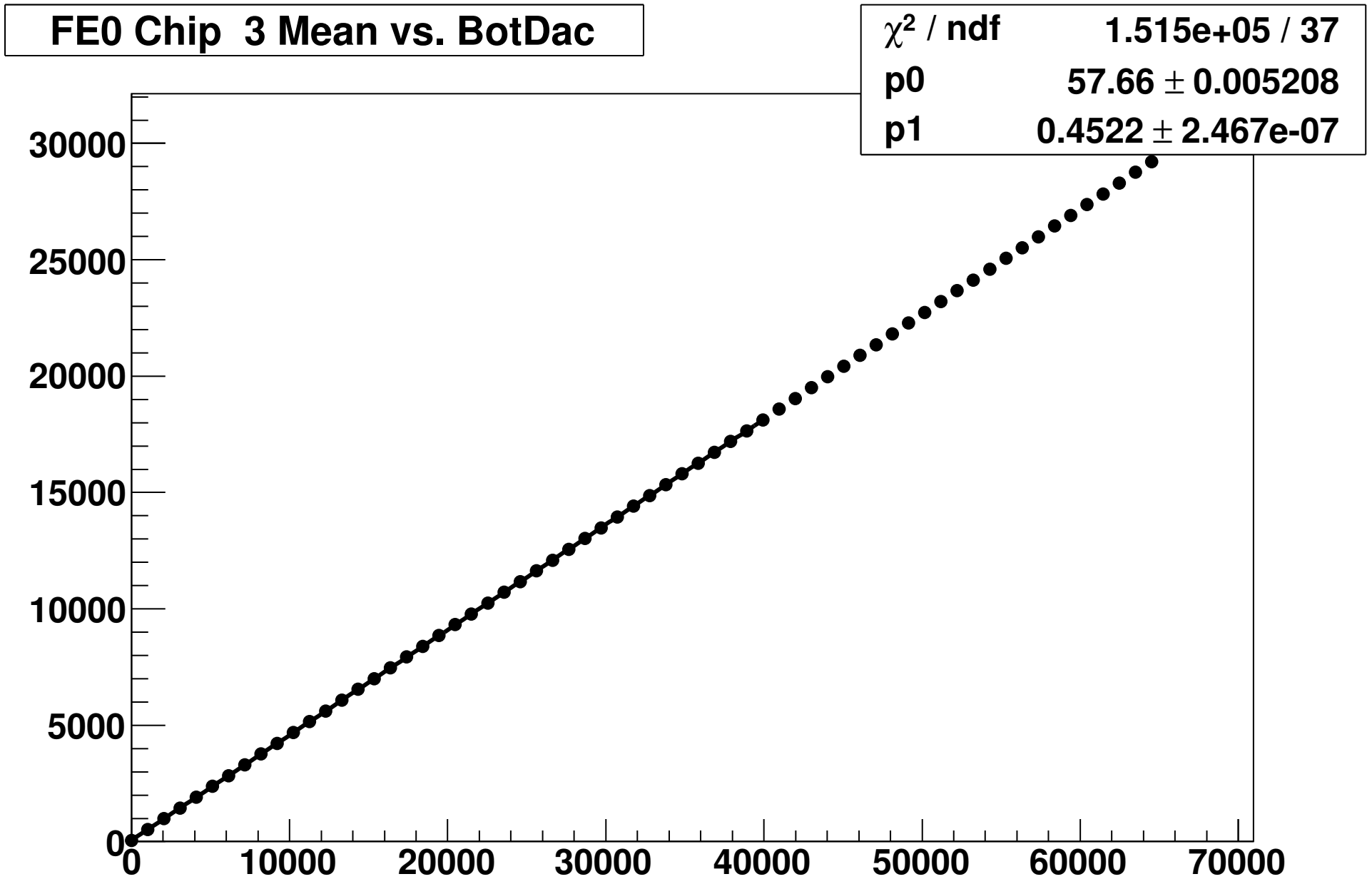
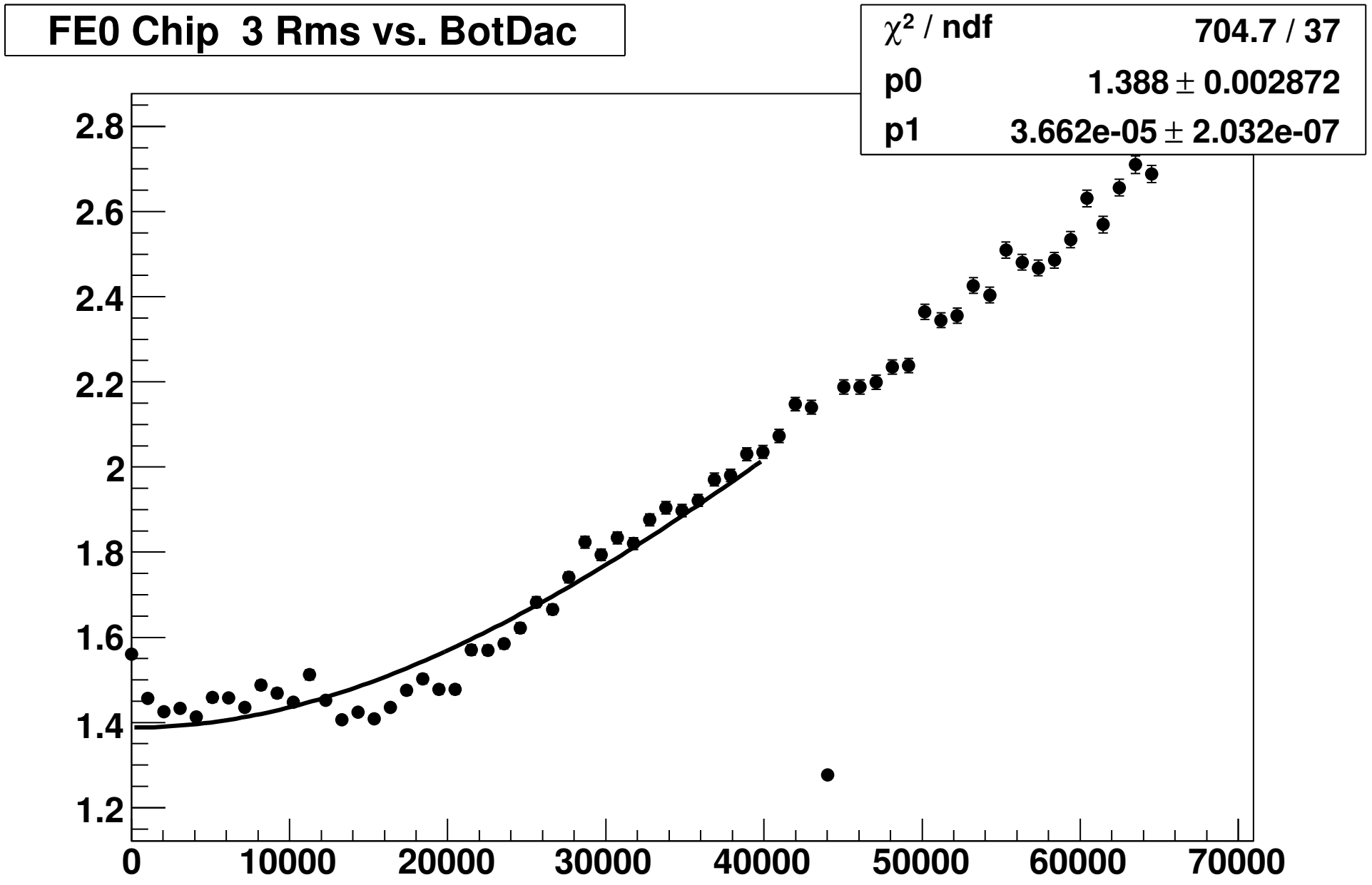
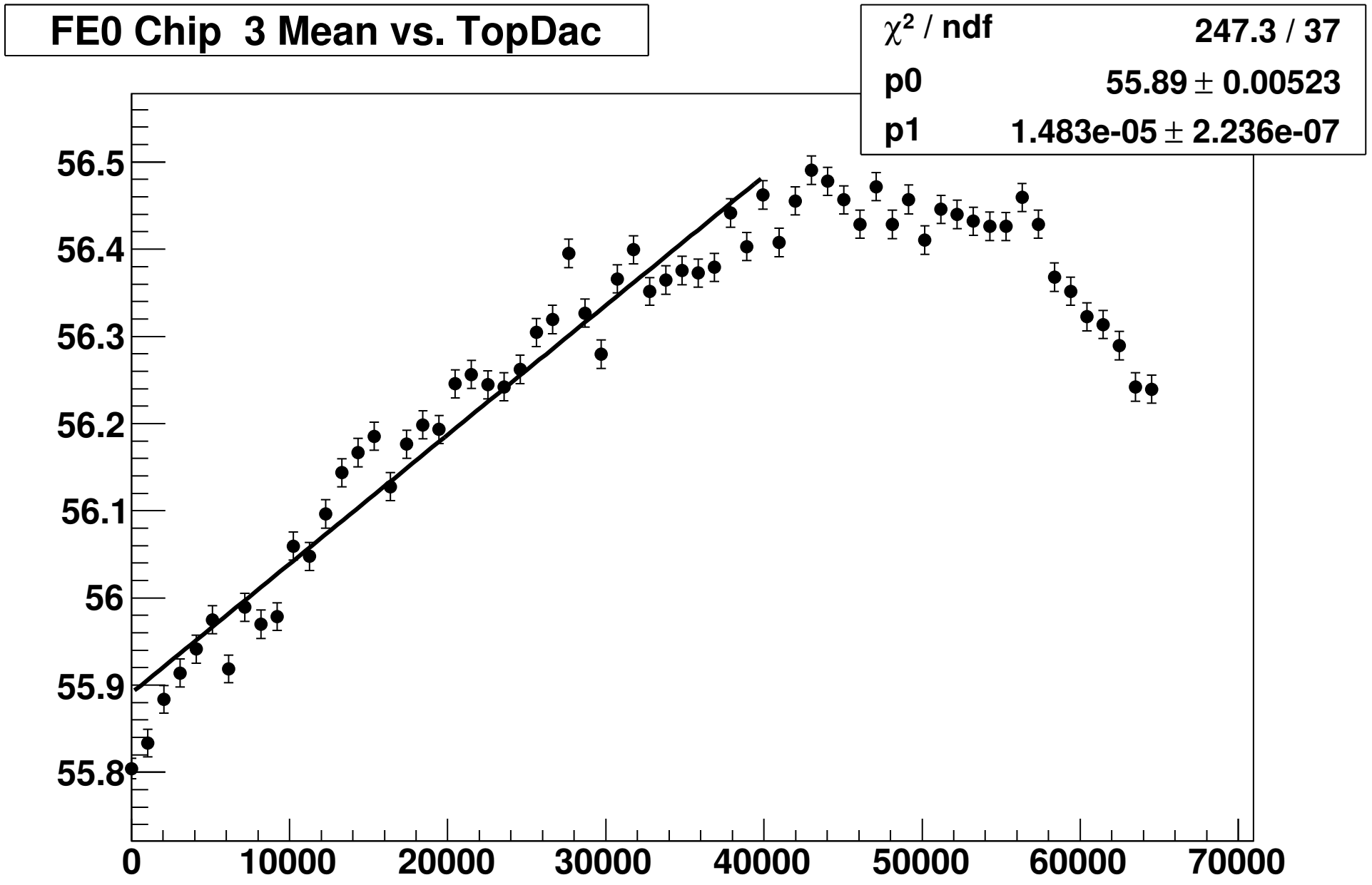
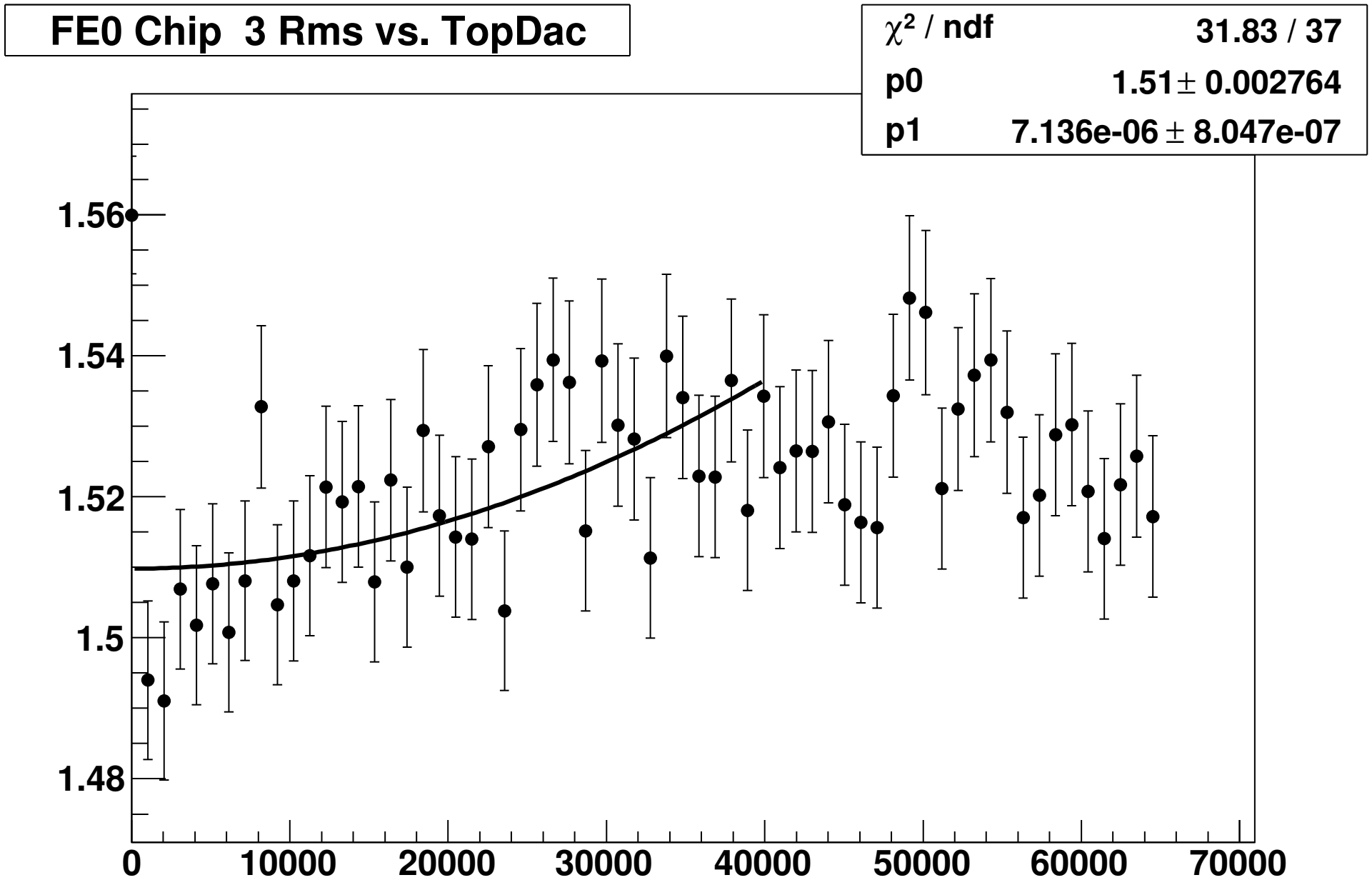

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 228.9 / 37
p0 58.58 ± 0.005227
p1 1.474e-05 ± 2.232e-07
59.2
59.1
59
58.9
58.8
58.7
58.6
58.5
0
10000
20000
30000
40000
50000
60000
70000

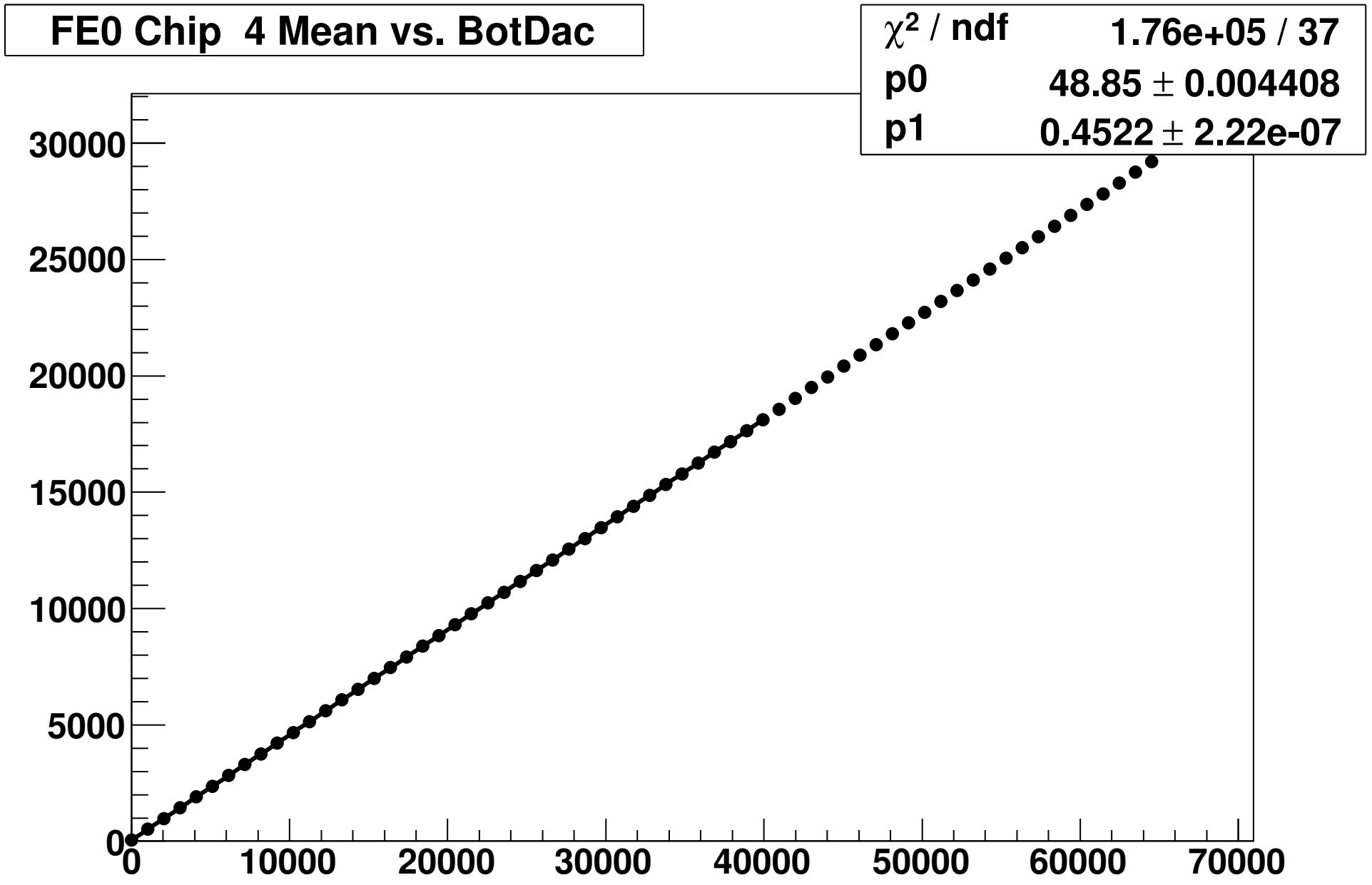

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 25.54 / 37
p0 1.507 ± 0.002757
p1 5.888e-06 ± 9.674e-07
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

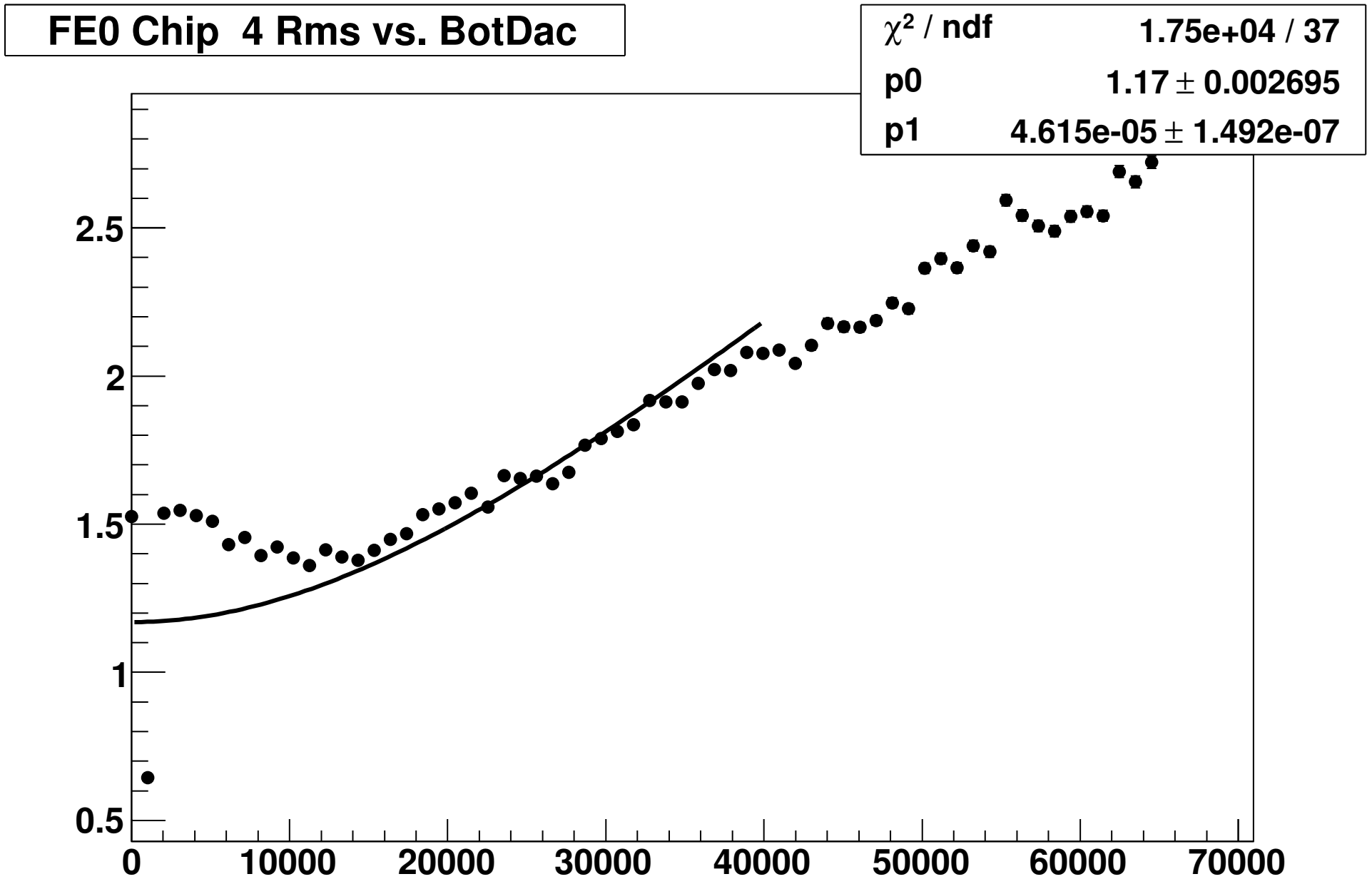

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.515e+05 / 37
p0 57.66 ± 0.005208
p1 0.4522 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

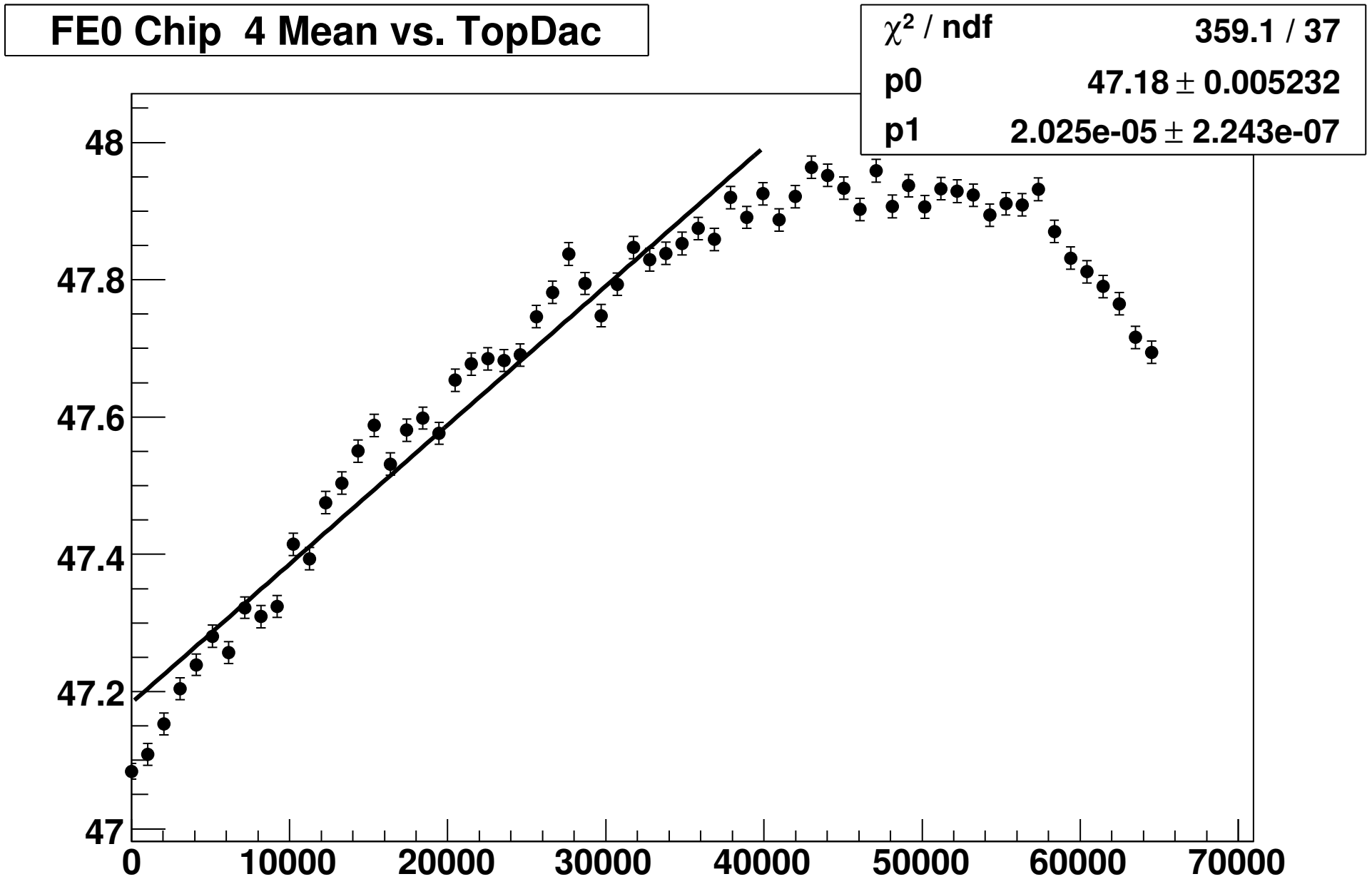

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 704.7 / 37
p0 1.388 ± 0.002872
p1 3.662e-05 ± 2.032e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

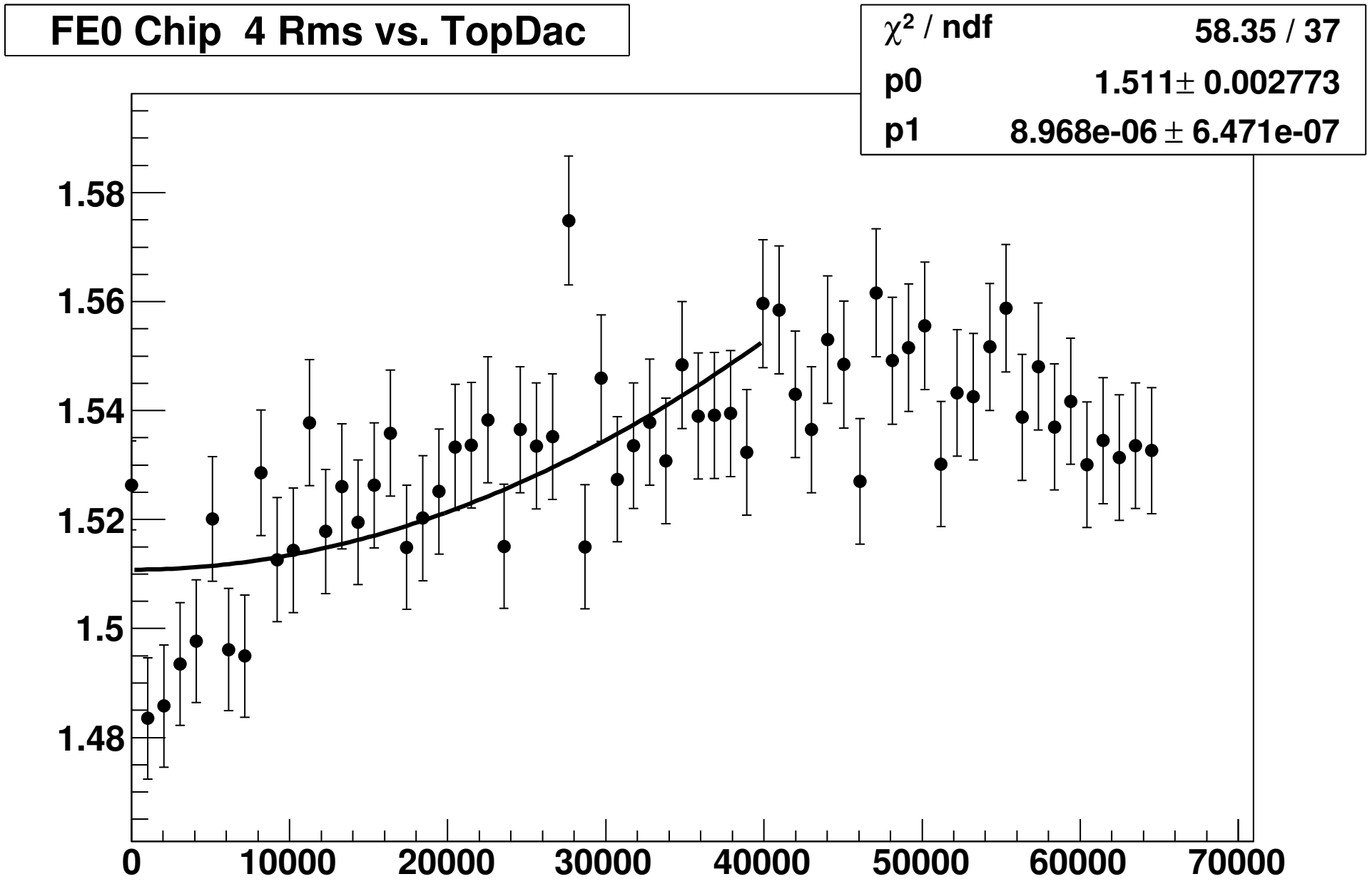

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 247.3 / 37
p0 55.89 ± 0.00523
p1 1.483e-05 ± 2.236e-07
56.5
56.4
56.3
56.2
56.1
56
55.9
55.8
0
10000
20000
30000
40000
50000
60000
70000

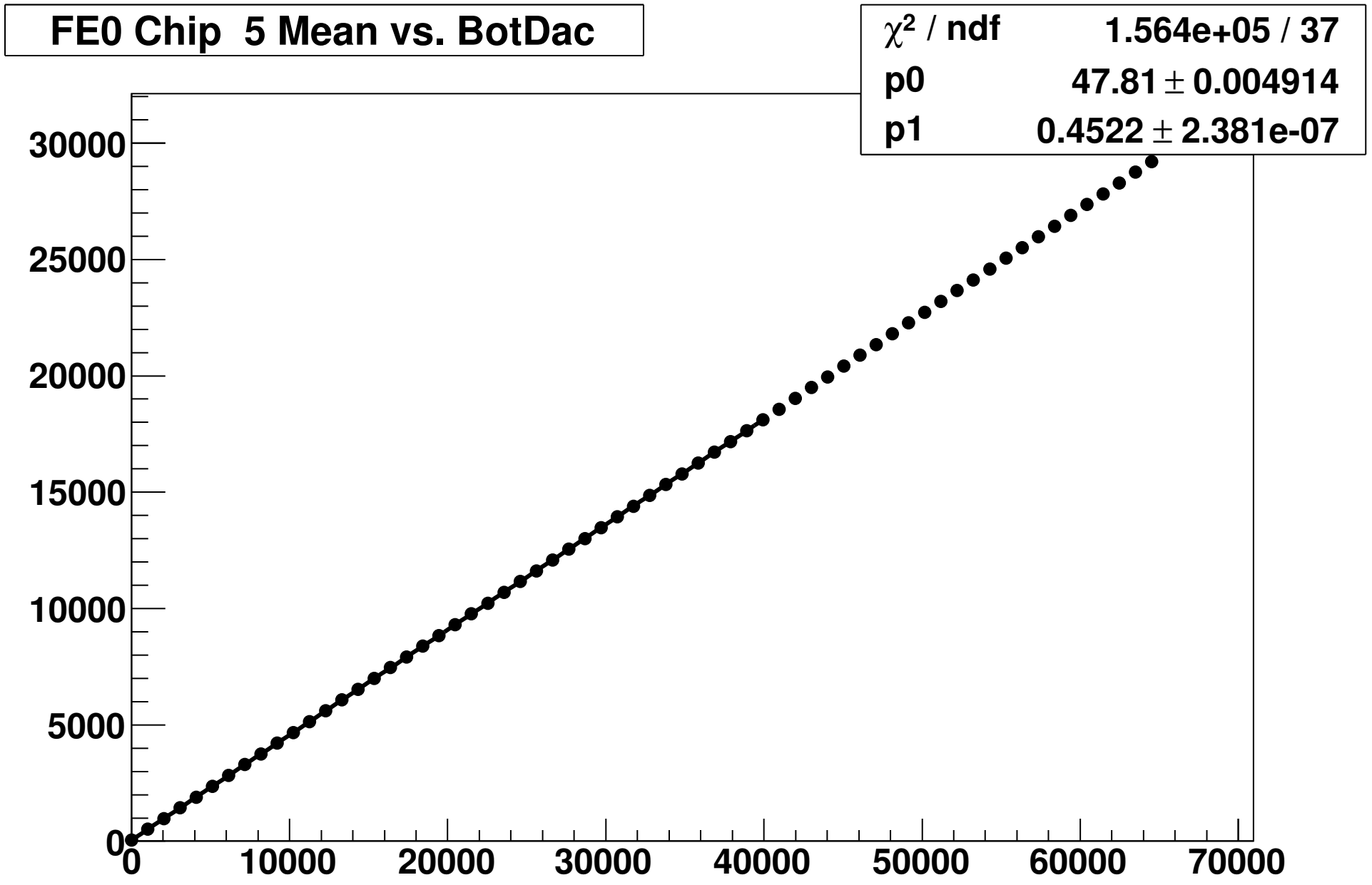

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 31.83 / 37
p0 1.51 ± 0.002764
p1 7.136e-06 ± 8.047e-07
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.76e+05 / 37
p0 48.85 ± 0.004408
p1 0.4522 ± 2.22e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1.75e+04 / 37
p0 1.17 ± 0.002695
p1 4.615e-05 ± 1.492e-07
2.5
2
1.5
1
0.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 359.1 / 37
p0 47.18 ± 0.005232
p1 2.025e-05 ± 2.243e-07
48
47.8
47.6
47.4
47.2
47
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 58.35 / 37
p0 1.511 ± 0.002773
p1 8.968e-06 ± 6.471e-07
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.564e+05 / 37
p0 47.81 ± 0.004914
p1 0.4522 ± 2.381e-07
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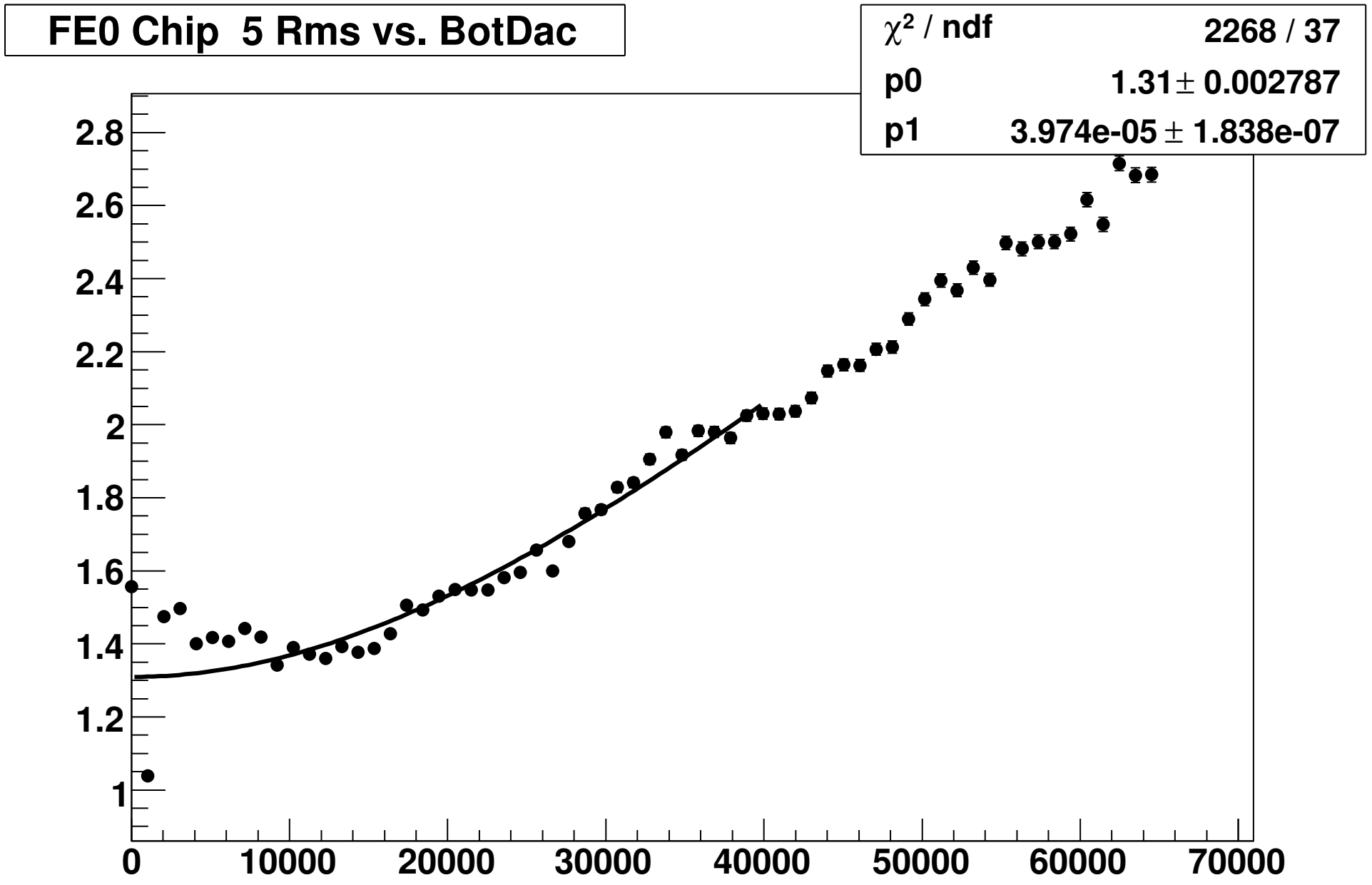
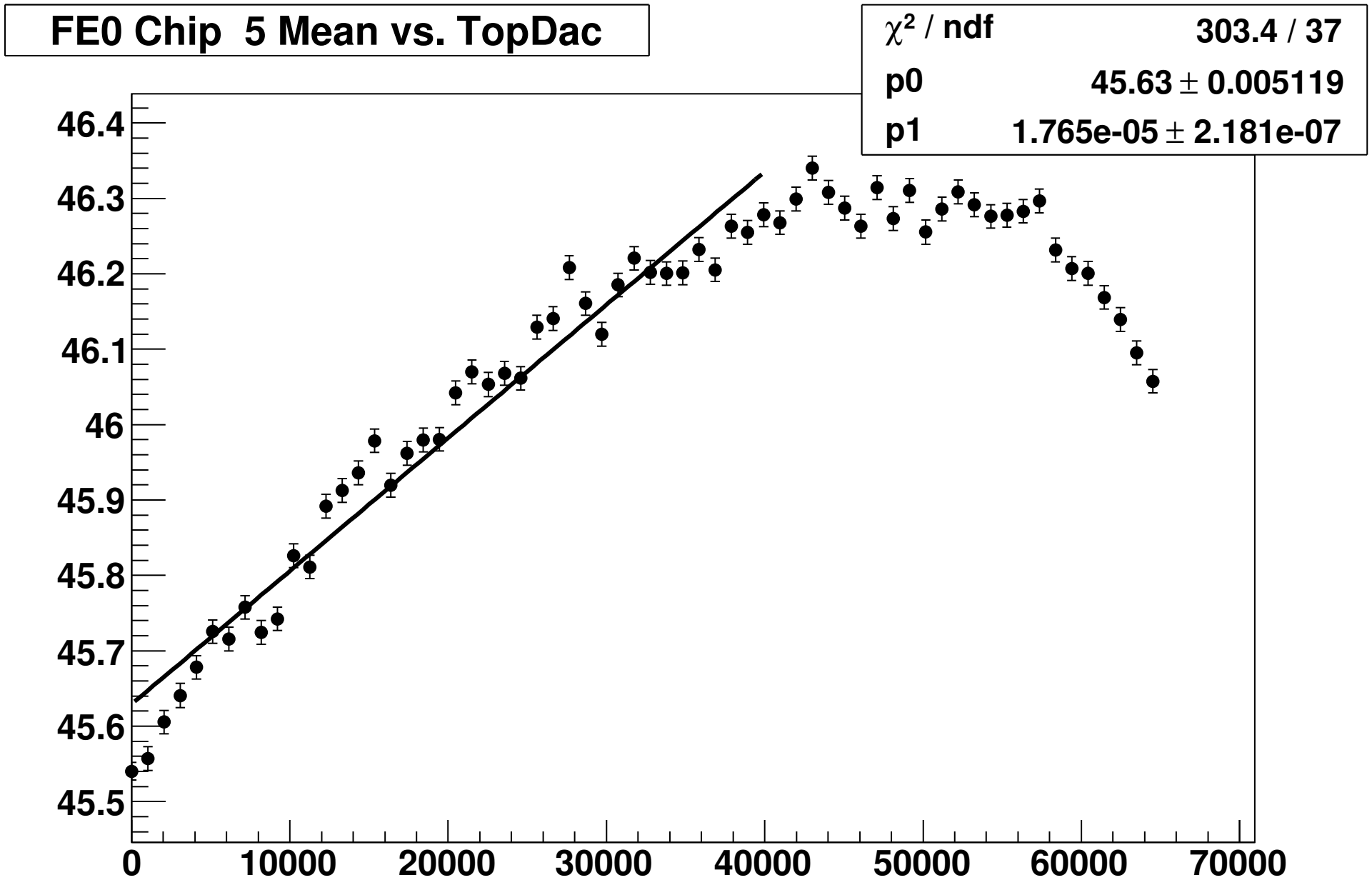
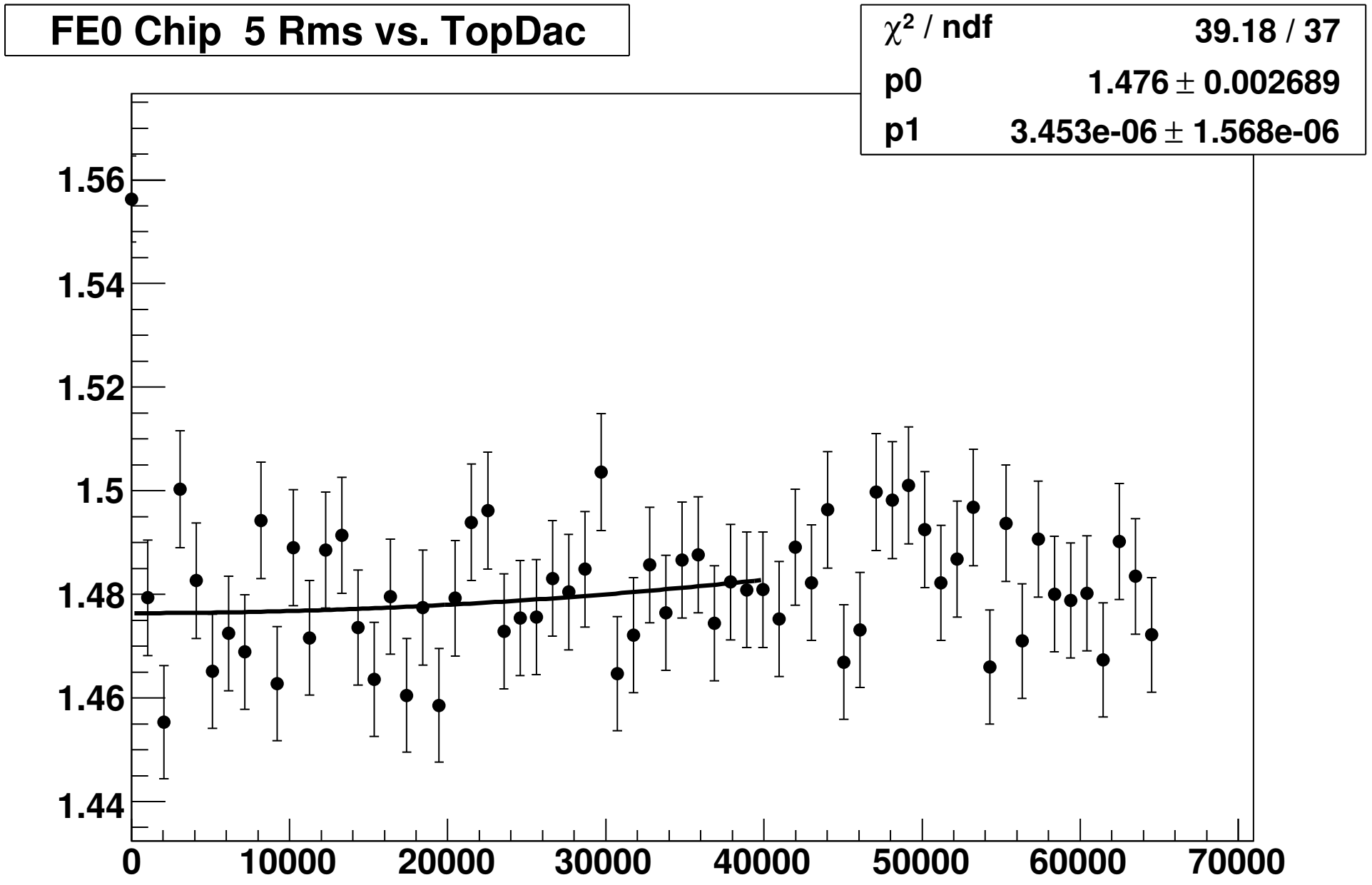
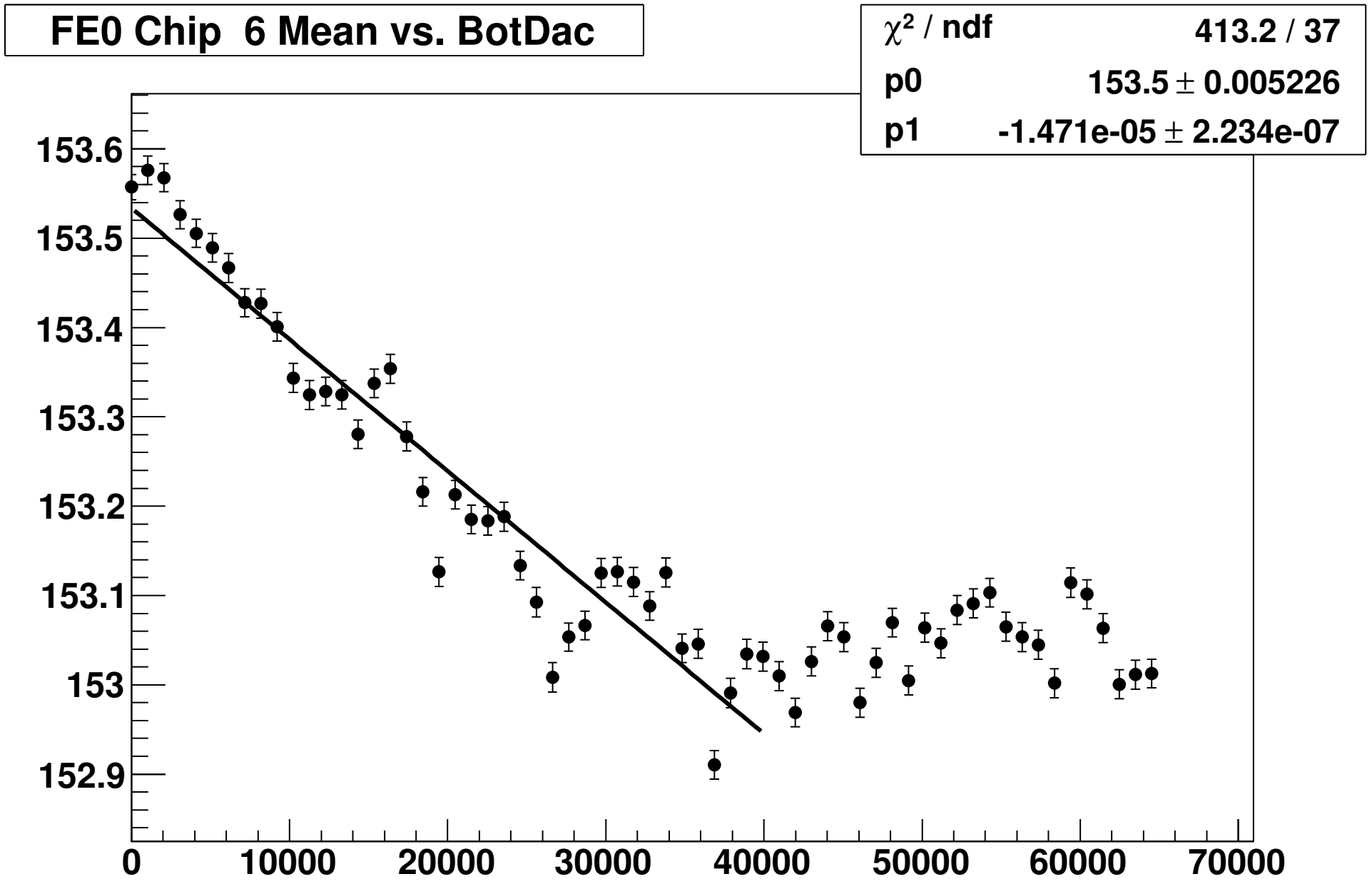
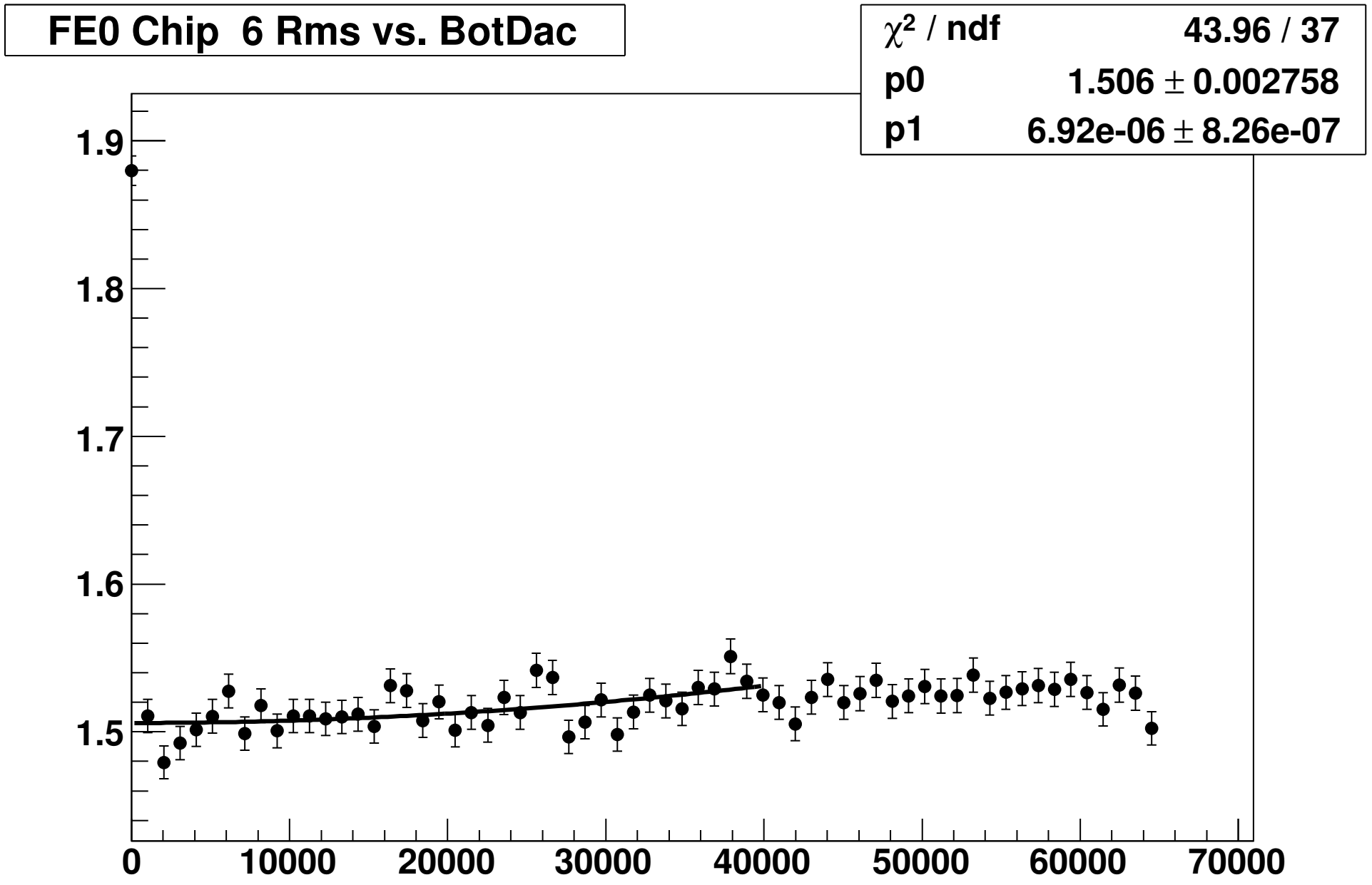
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

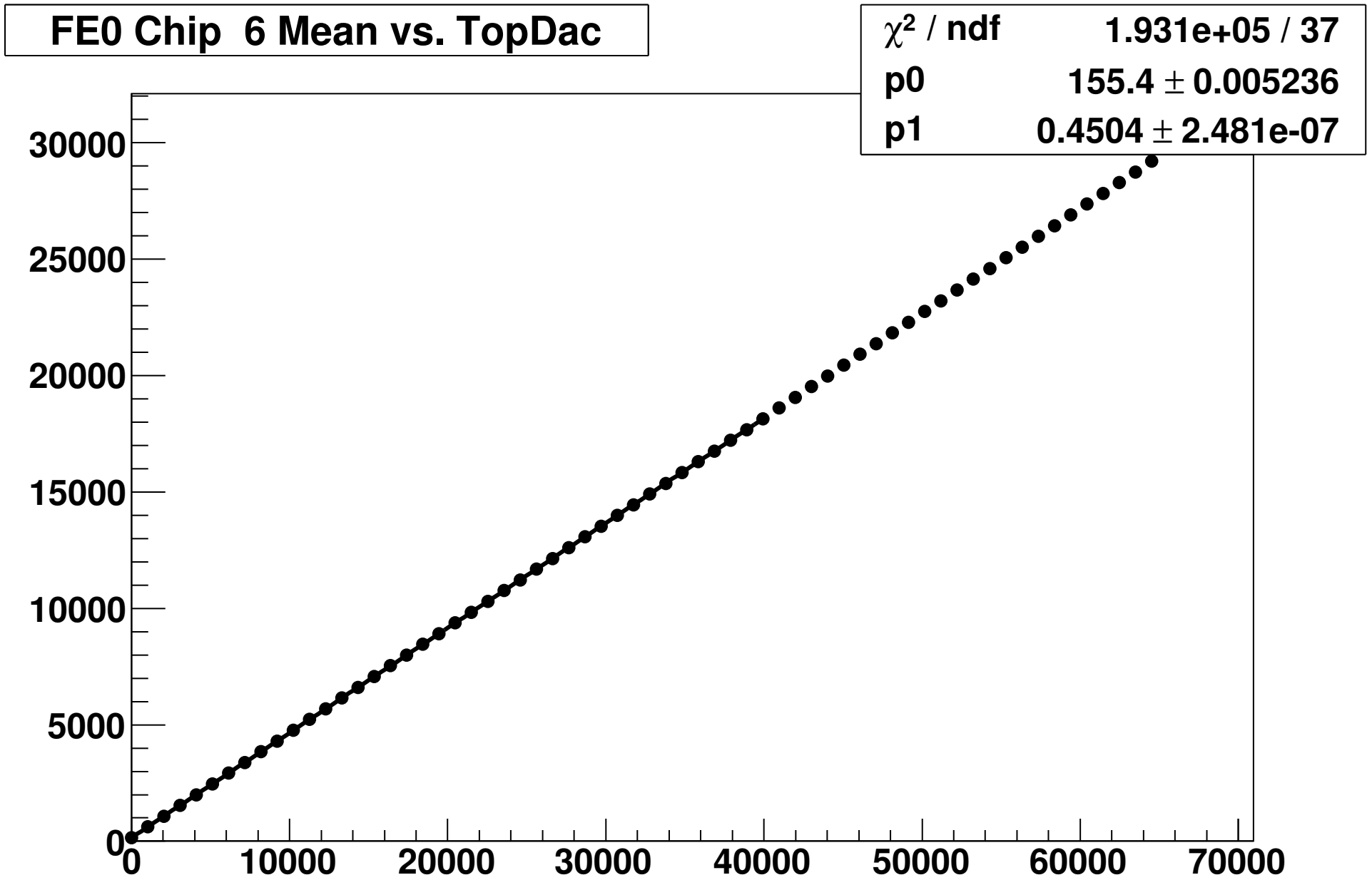

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 2268 / 37
p0 1.31 ± 0.002787
p1 3.974e-05 ± 1.838e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000

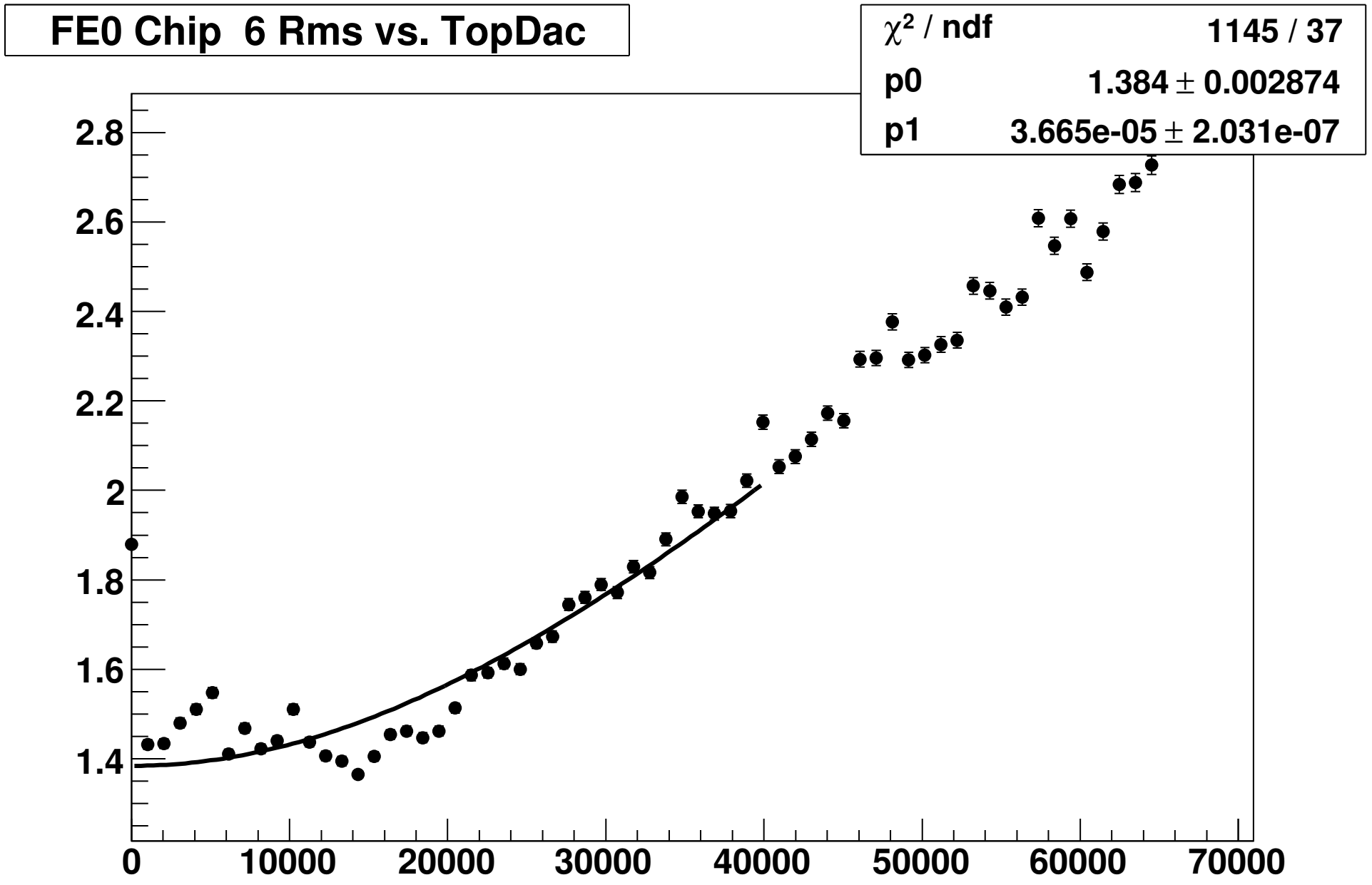

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 303.4 / 37
p0 45.63 ± 0.005119
p1 1.765e-05 ± 2.181e-07
46.4
46.3
46.2
46.1
46
45.9
45.8
45.7
45.6
45.5
0
10000
20000
30000
40000
50000
60000
70000

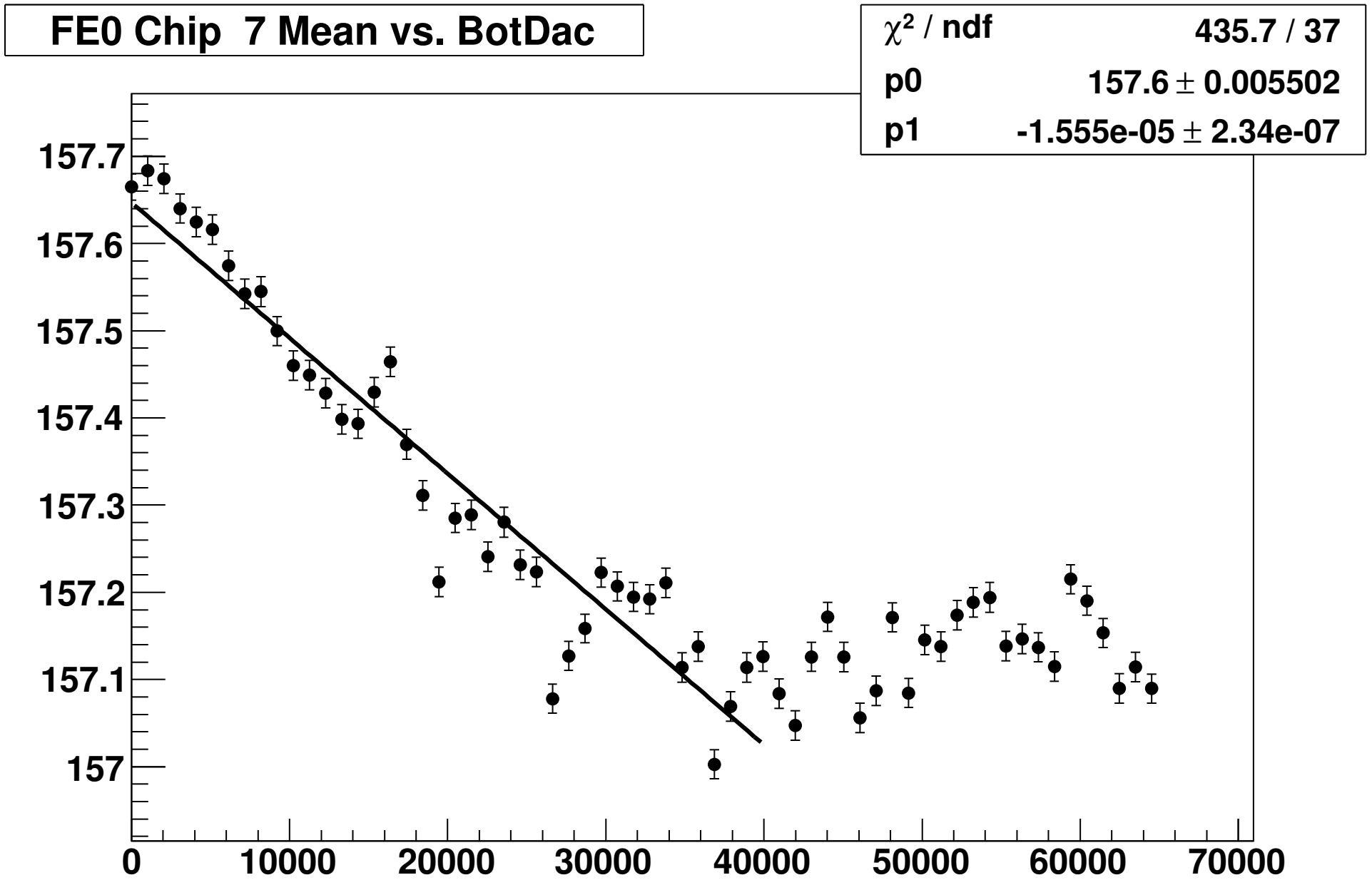

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 39.18 / 37
p0 1.476 ± 0.002689
p1 3.453e-06 ± 1.568e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

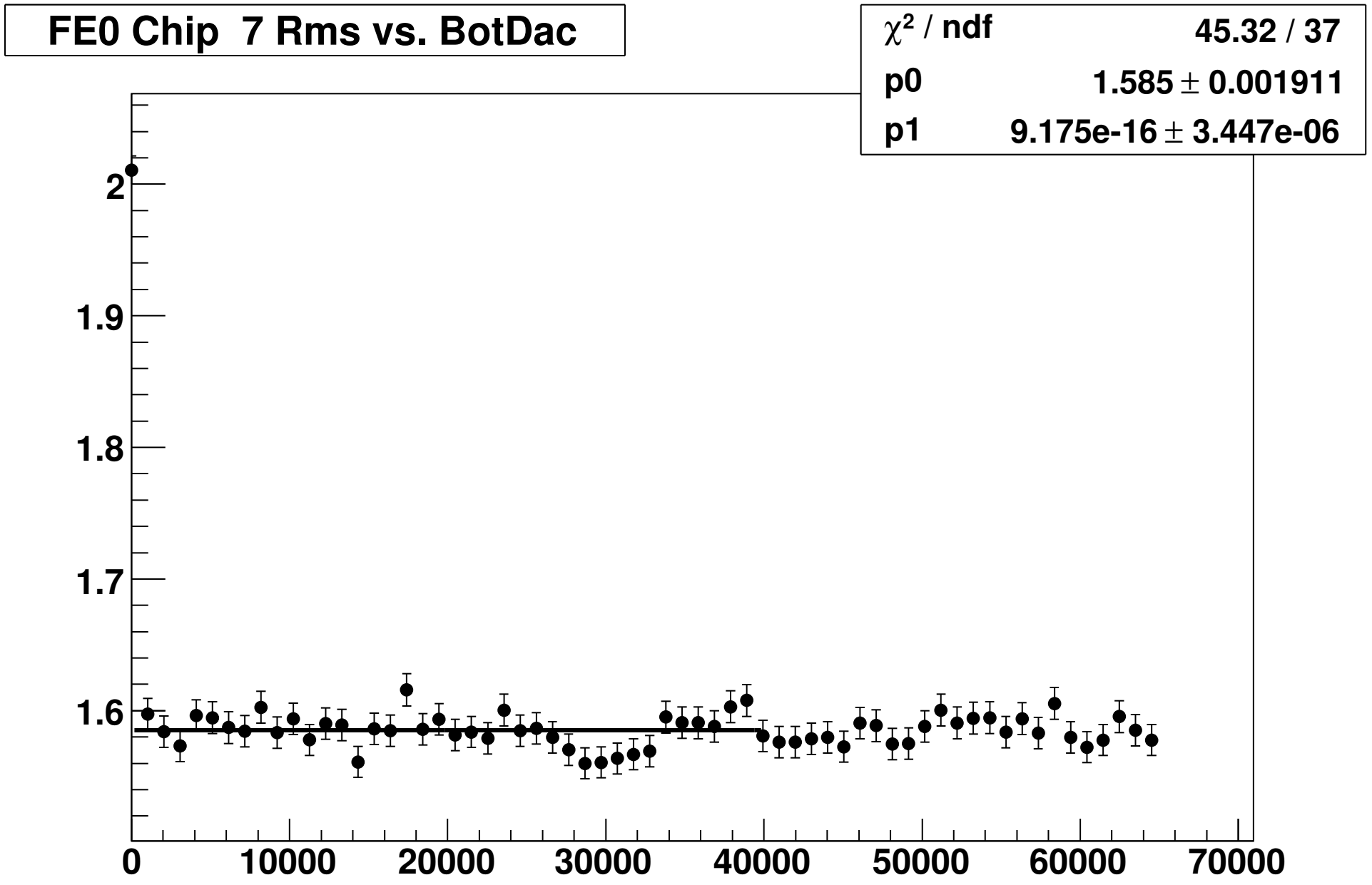

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 413.2 / 37
p0 153.5 ± 0.005226
p1 -1.471e-05 ± 2.234e-07
153.6
153.5
153.4
153.3
153.2
153.1
153
152.9
0
10000
20000
30000
40000
50000
60000
70000

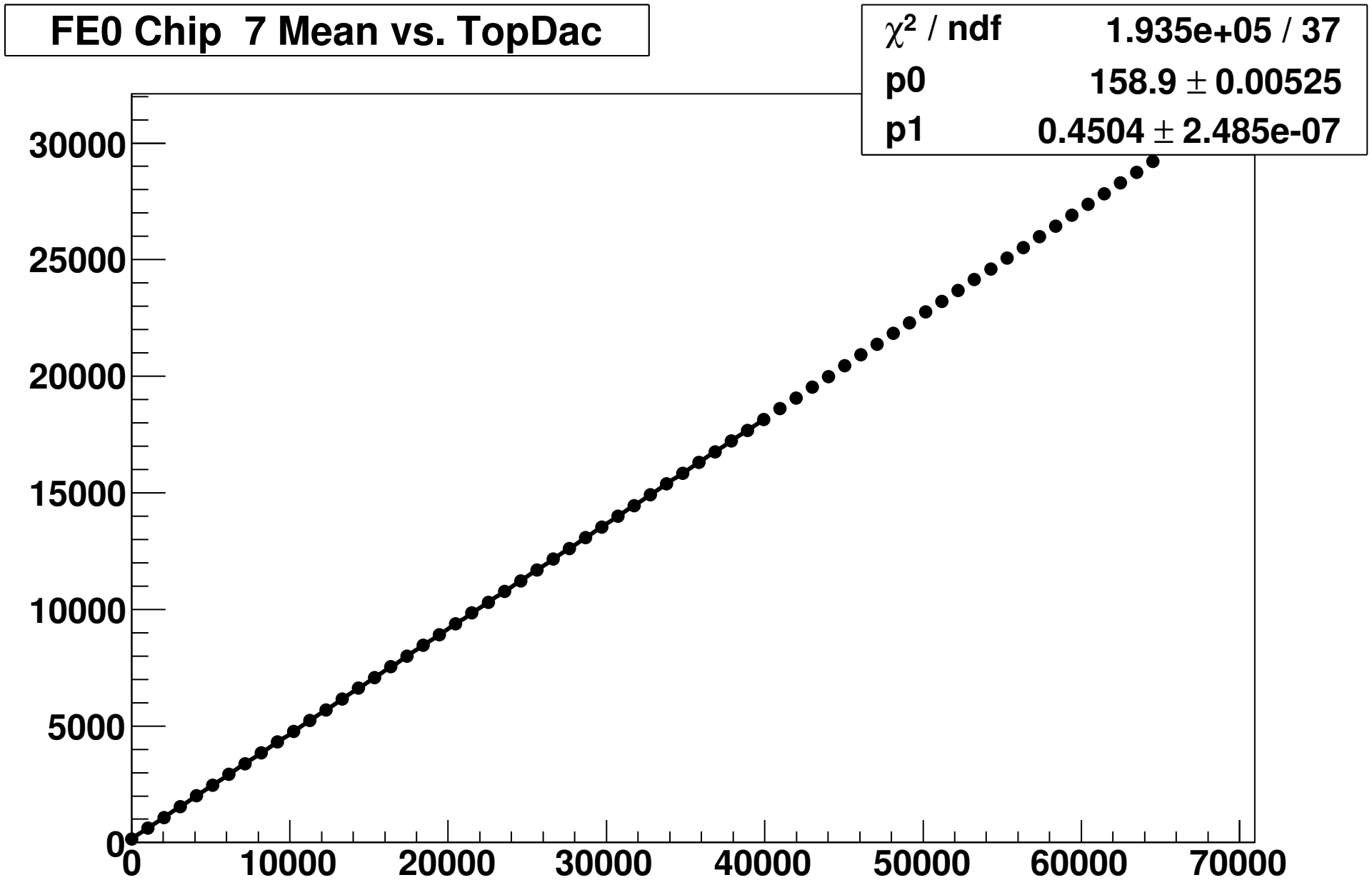

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 43.96 / 37
p0 1.506 ± 0.002758
p1 6.92e-06 ± 8.26e-07
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000

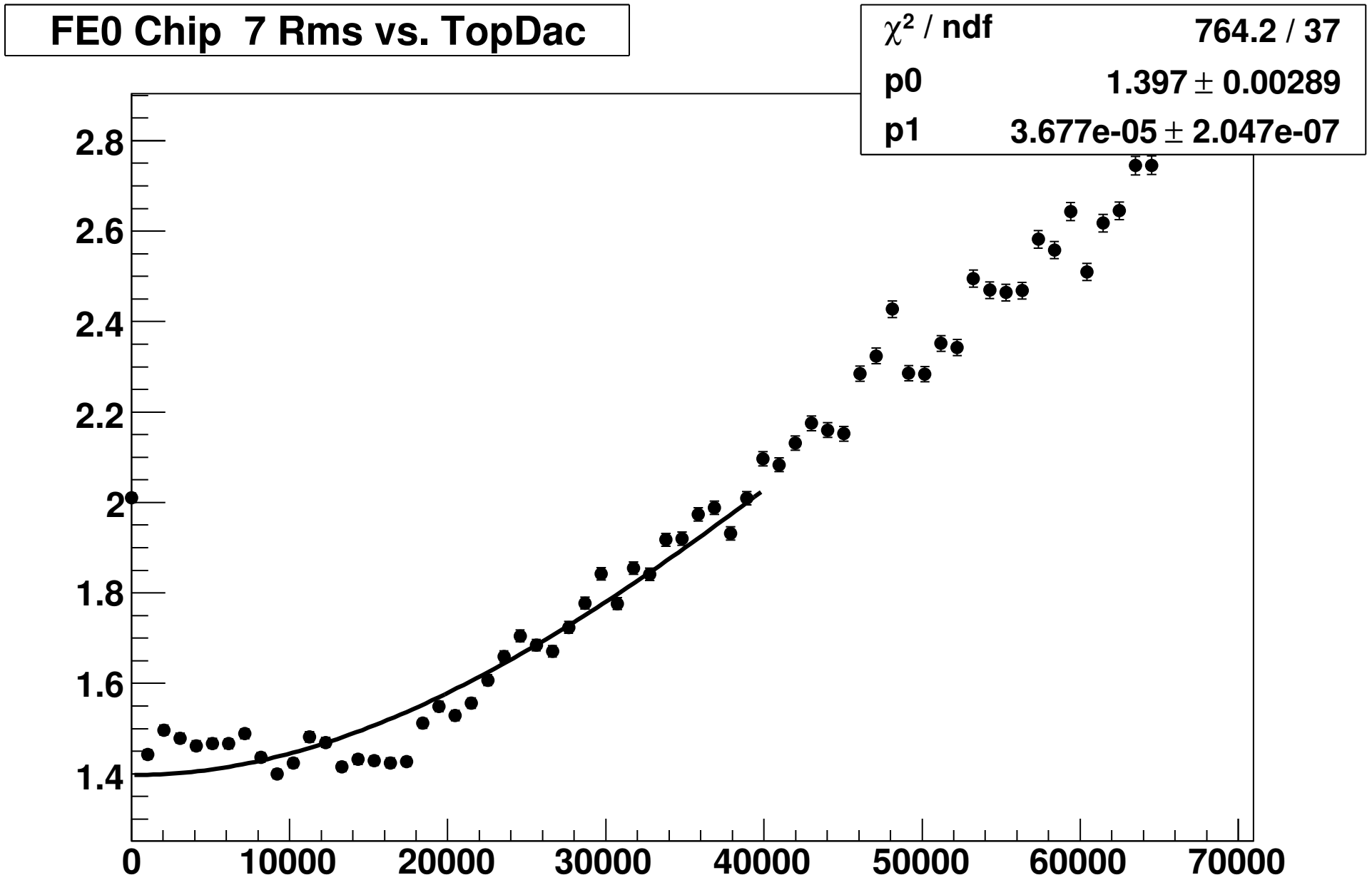

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.931e+05 / 37
p0 155.4 ± 0.005236
p1 0.4504 ± 2.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1145 / 37
p0 1.384 ± 0.002874
p1 3.665e-05 ± 2.031e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 435.7 / 37
p0 157.6 ± 0.005502
p1 -1.555e-05 ± 2.34e-07
157.7
157.6
157.5
157.4
157.3
157.2
157.1
157
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 45.32 / 37
p0 1.585 ± 0.001911
p1 9.175e-16 ± 3.447e-06
2
1.9
1.8
1.7
1.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.935e+05 / 37
p0 158.9 ± 0.00525
p1 0.4504 ± 2.485e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 764.2 / 37
p0 1.397 ± 0.00289
p1 3.677e-05 ± 2.047e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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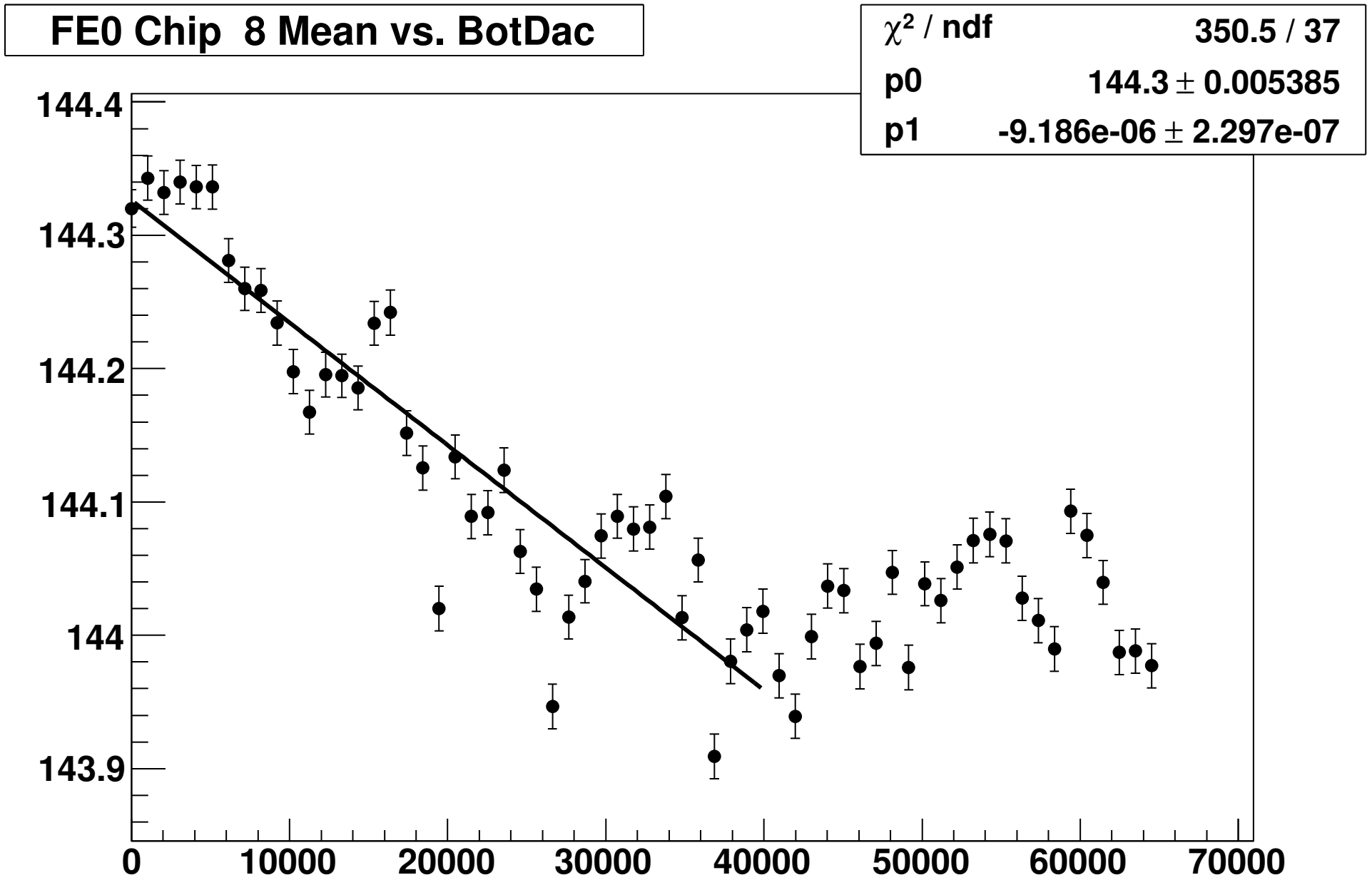
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 350.5 / 37
p0 144.3 ± 0.005385
p1 -9.186e-06 ± 2.297e-07
144.4
144.3
144.2
144.1
144
143.9
0
10000
20000
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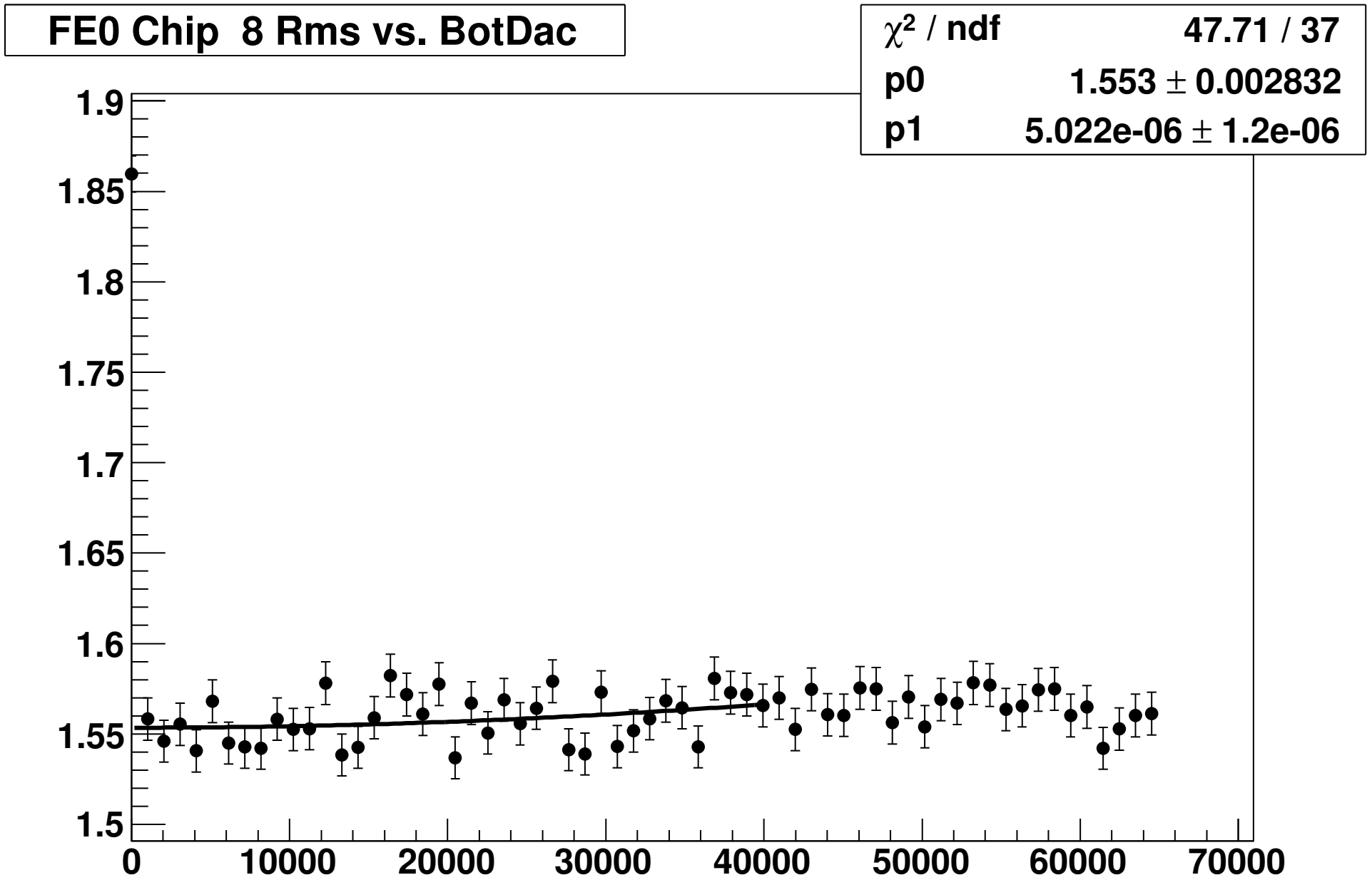
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 47.71 / 37
p0 1.553 ± 0.002832
p1 5.022e-06 ± 1.2e-06
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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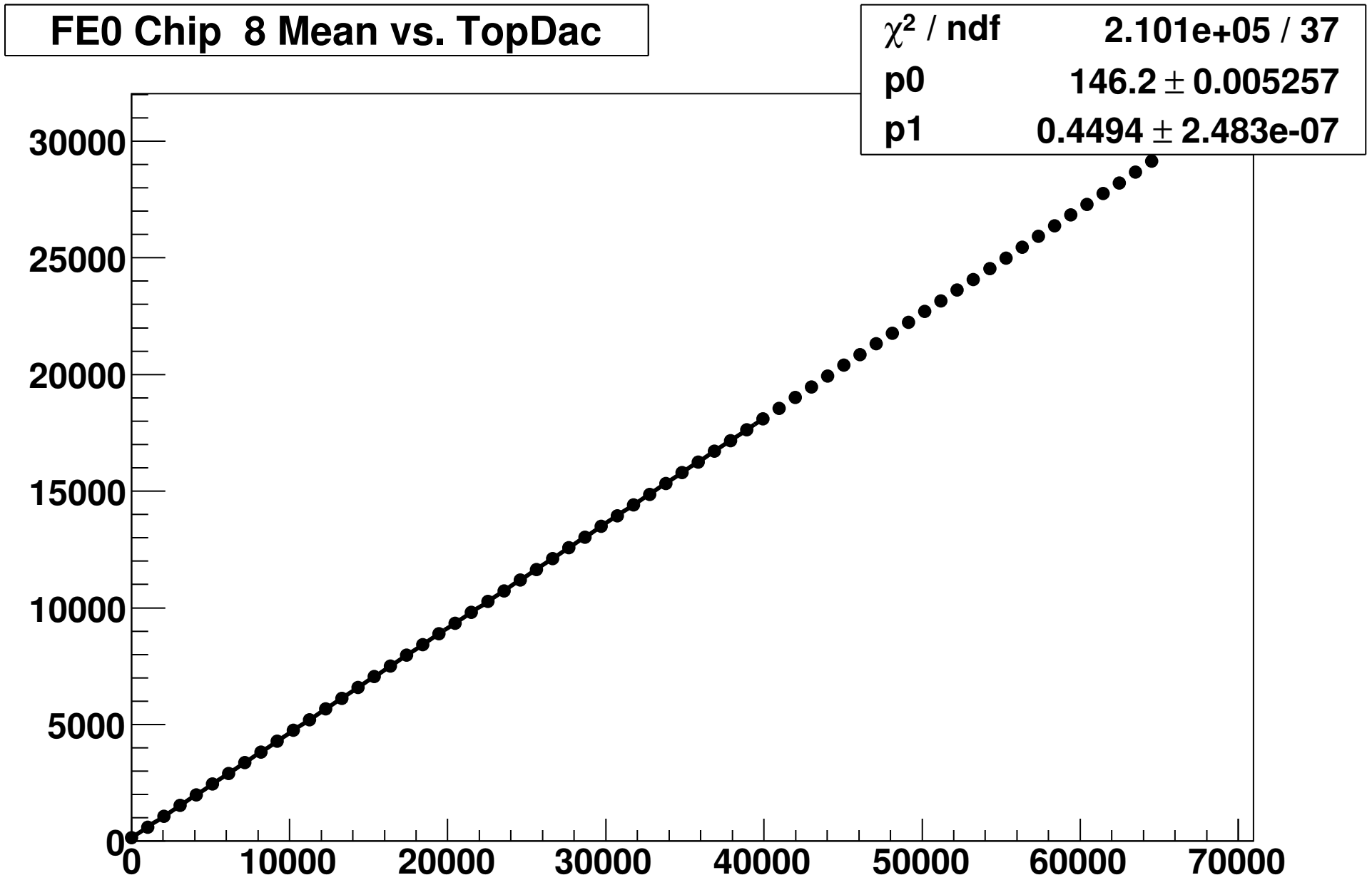
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 2.101e+05 / 37
p0 146.2 ± 0.005257
p1 0.4494 ± 2.483e-07
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15000
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5000
0
0
10000
20000
30000
40000
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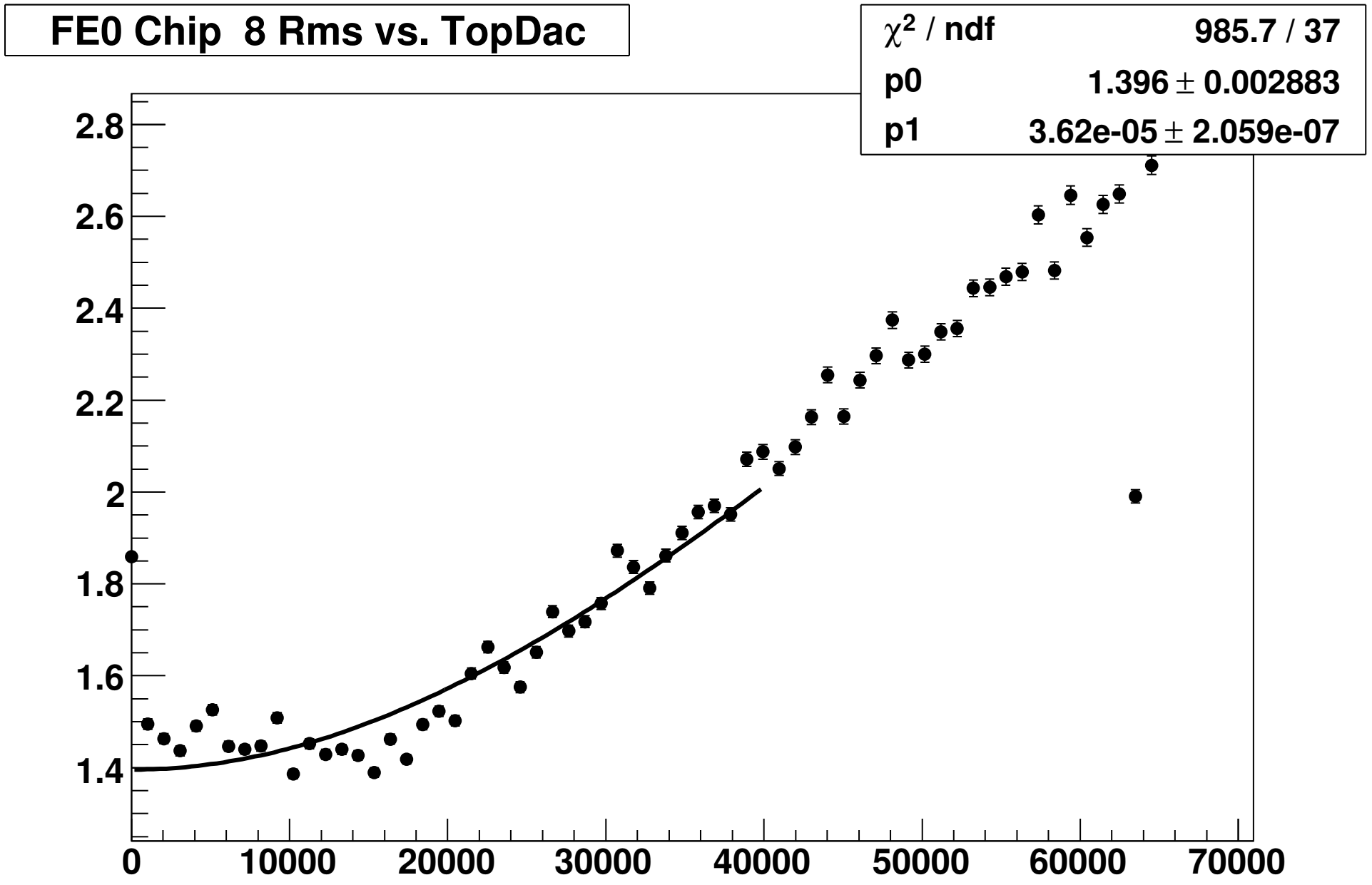
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 985.7 / 37
p0 1.396 ± 0.002883
p1 3.62e-05 ± 2.059e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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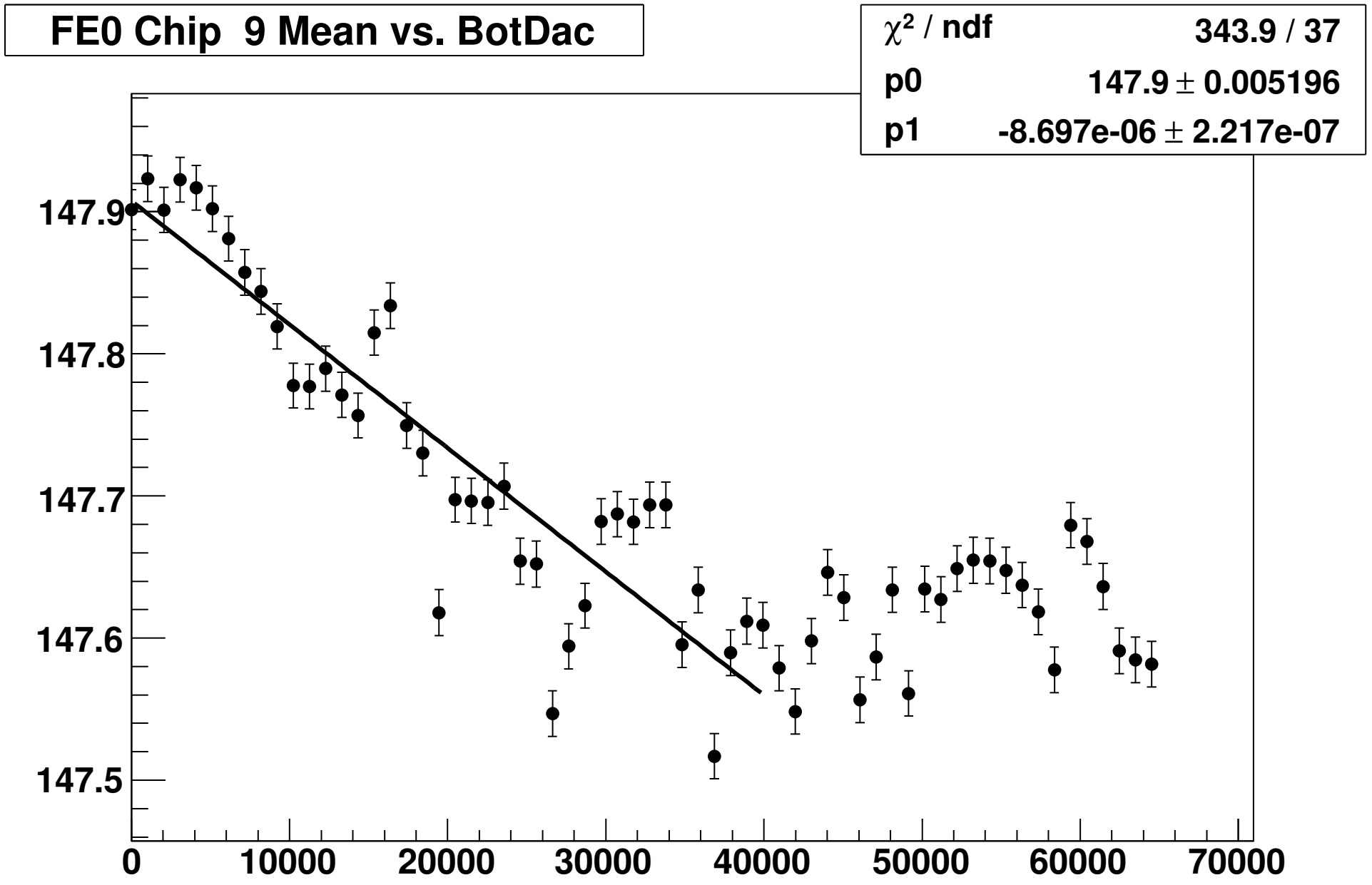
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 343.9 / 37
p0 147.9 ± 0.005196
p1 -8.697e-06 ± 2.217e-07
147.9
147.8
147.7
147.6
147.5
0
10000
20000
30000
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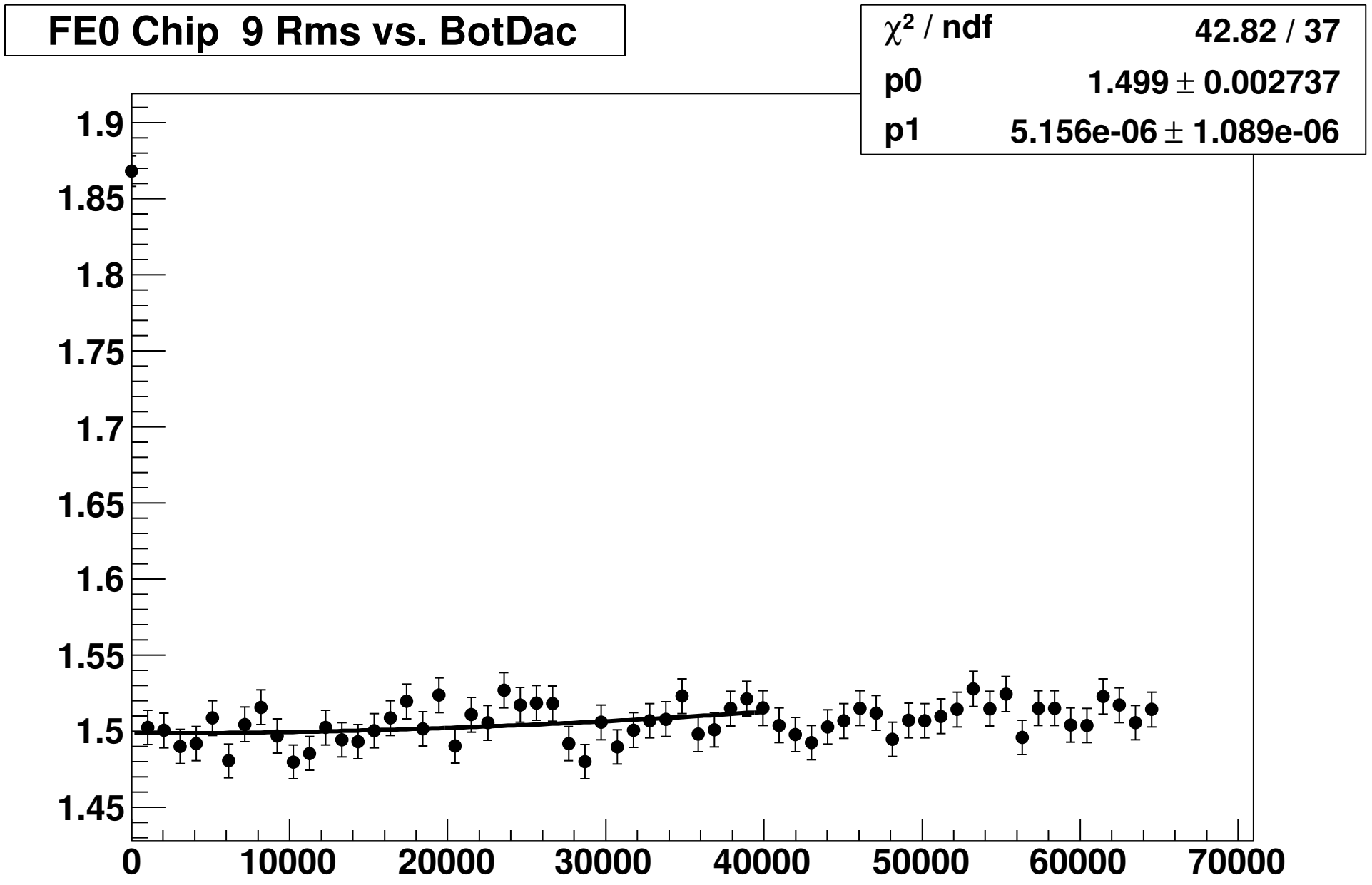
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 42.82 / 37
p0 1.499 ± 0.002737
p1 5.156e-06 ± 1.089e-06
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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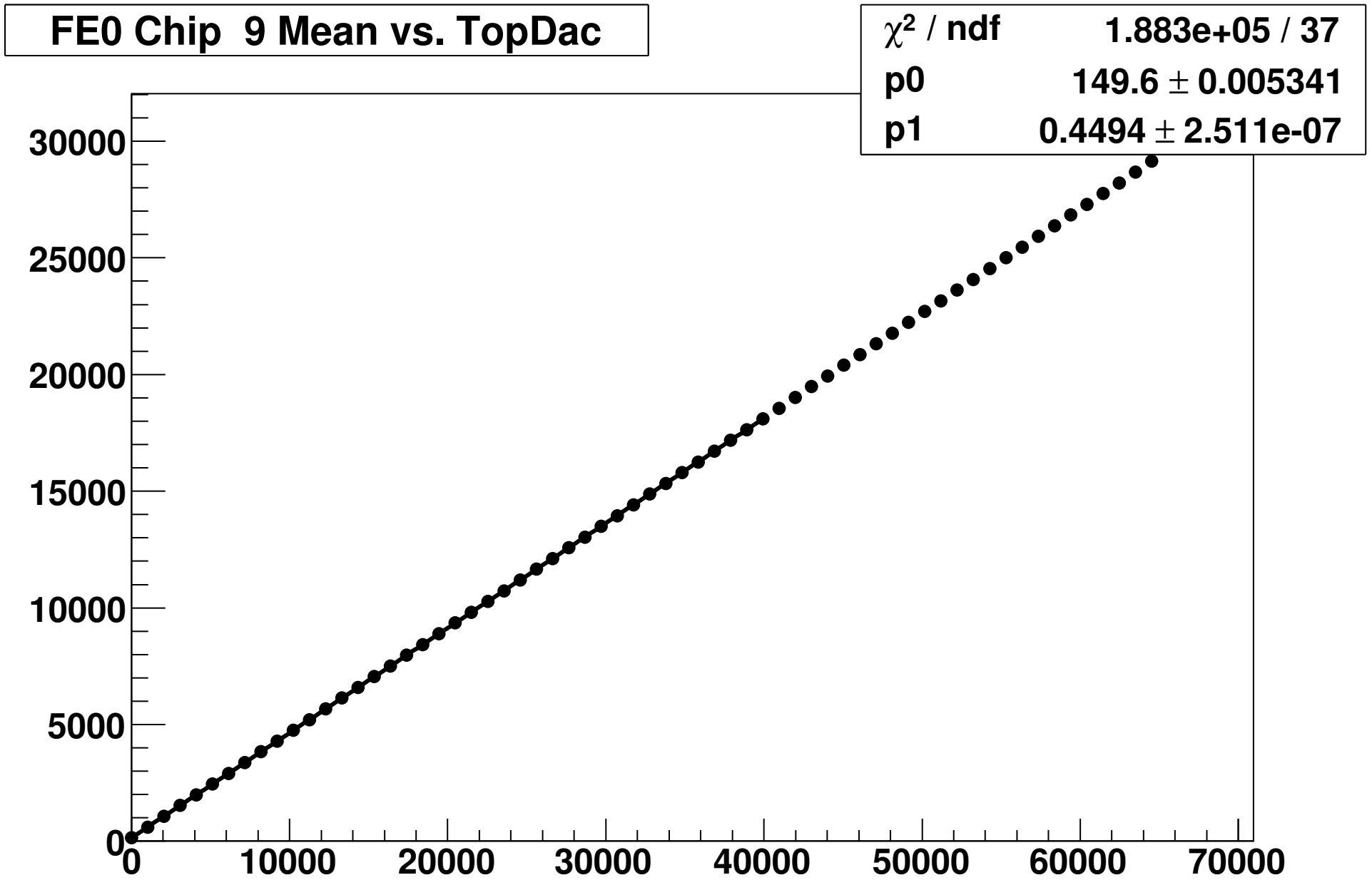
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.883e+05 / 37
p0 149.6 ± 0.005341
p1 0.4494 ± 2.511e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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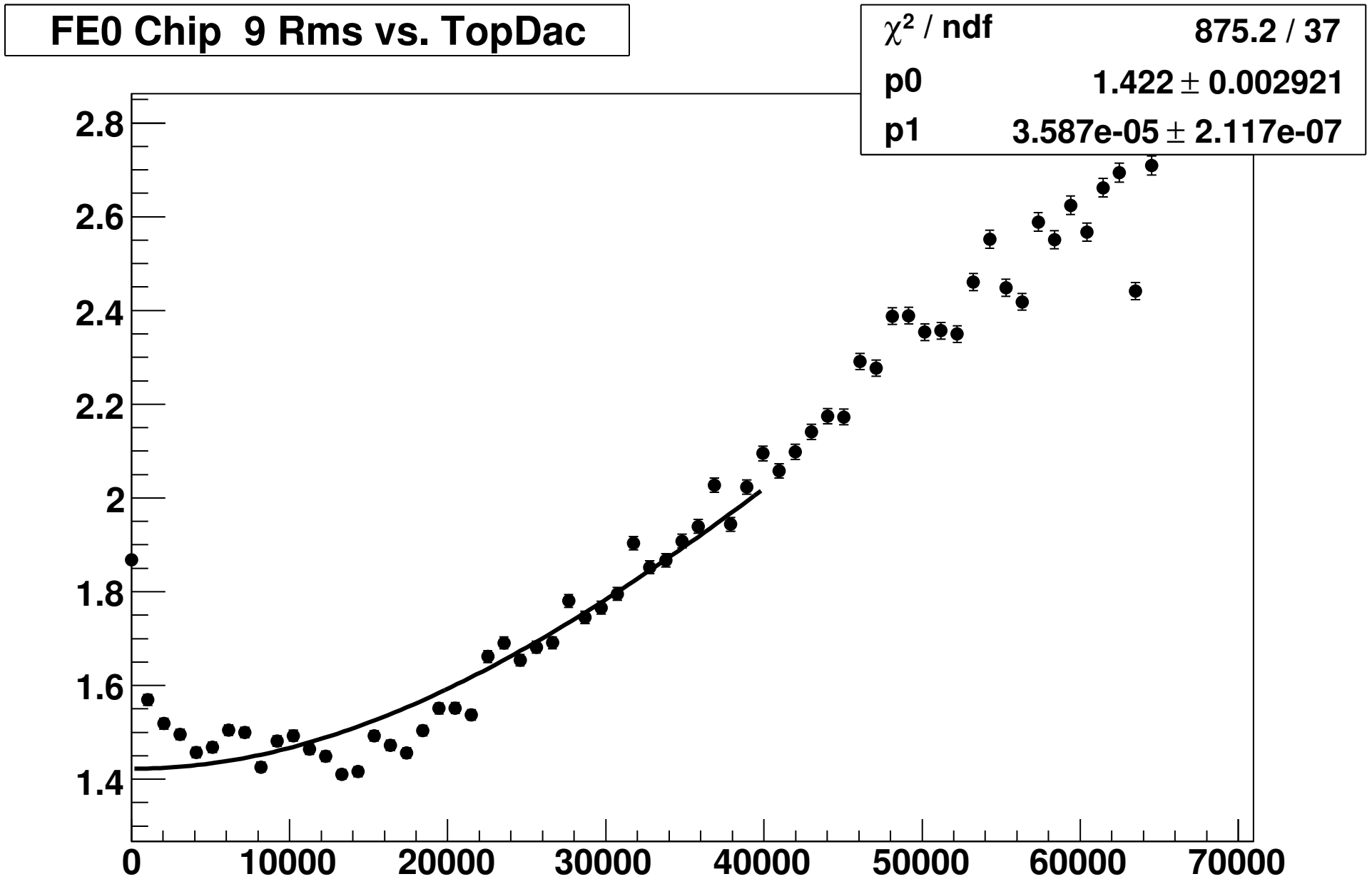
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 875.2 / 37
p0 1.422 ± 0.002921
p1 3.587e-05 ± 2.117e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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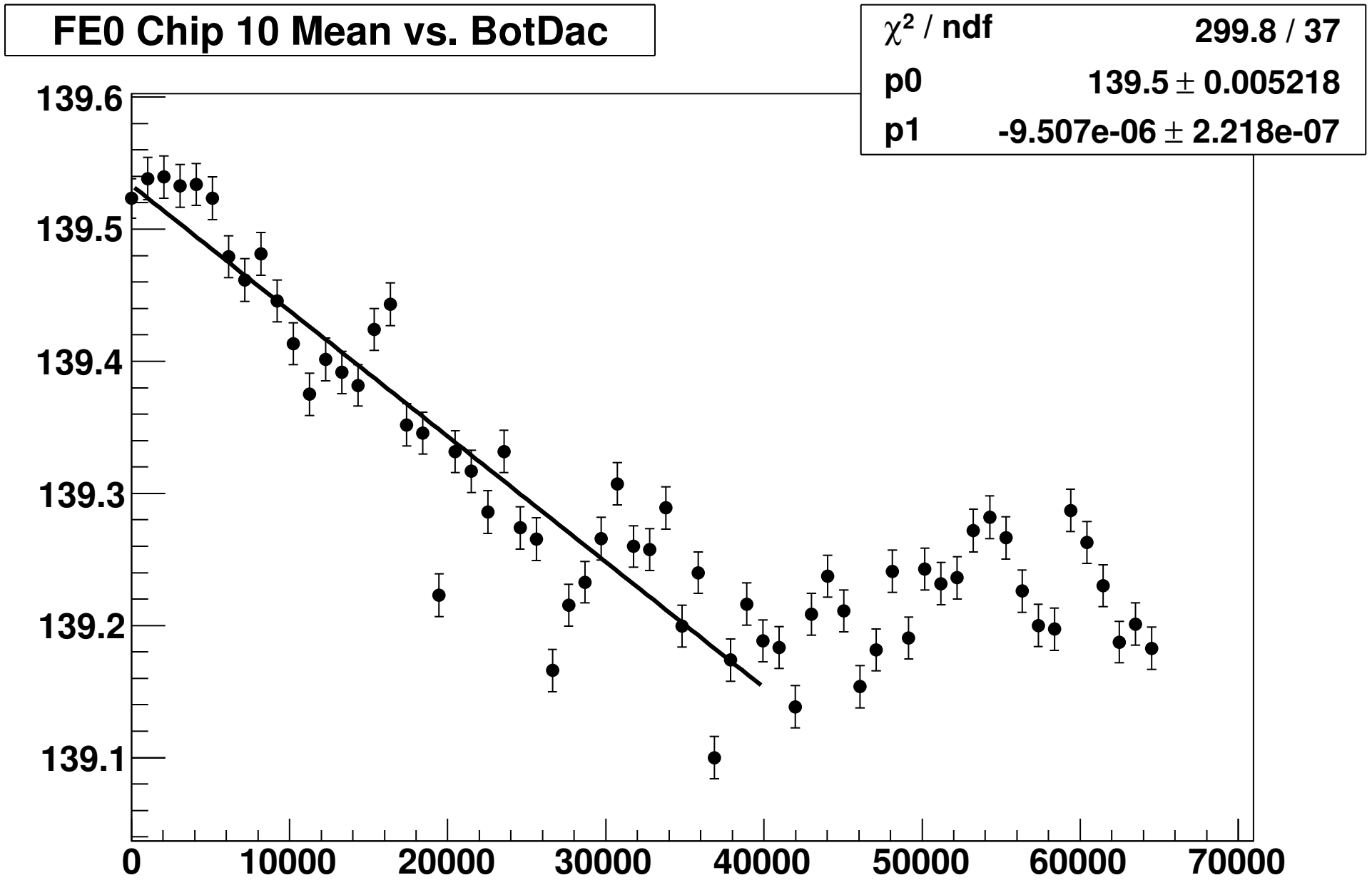
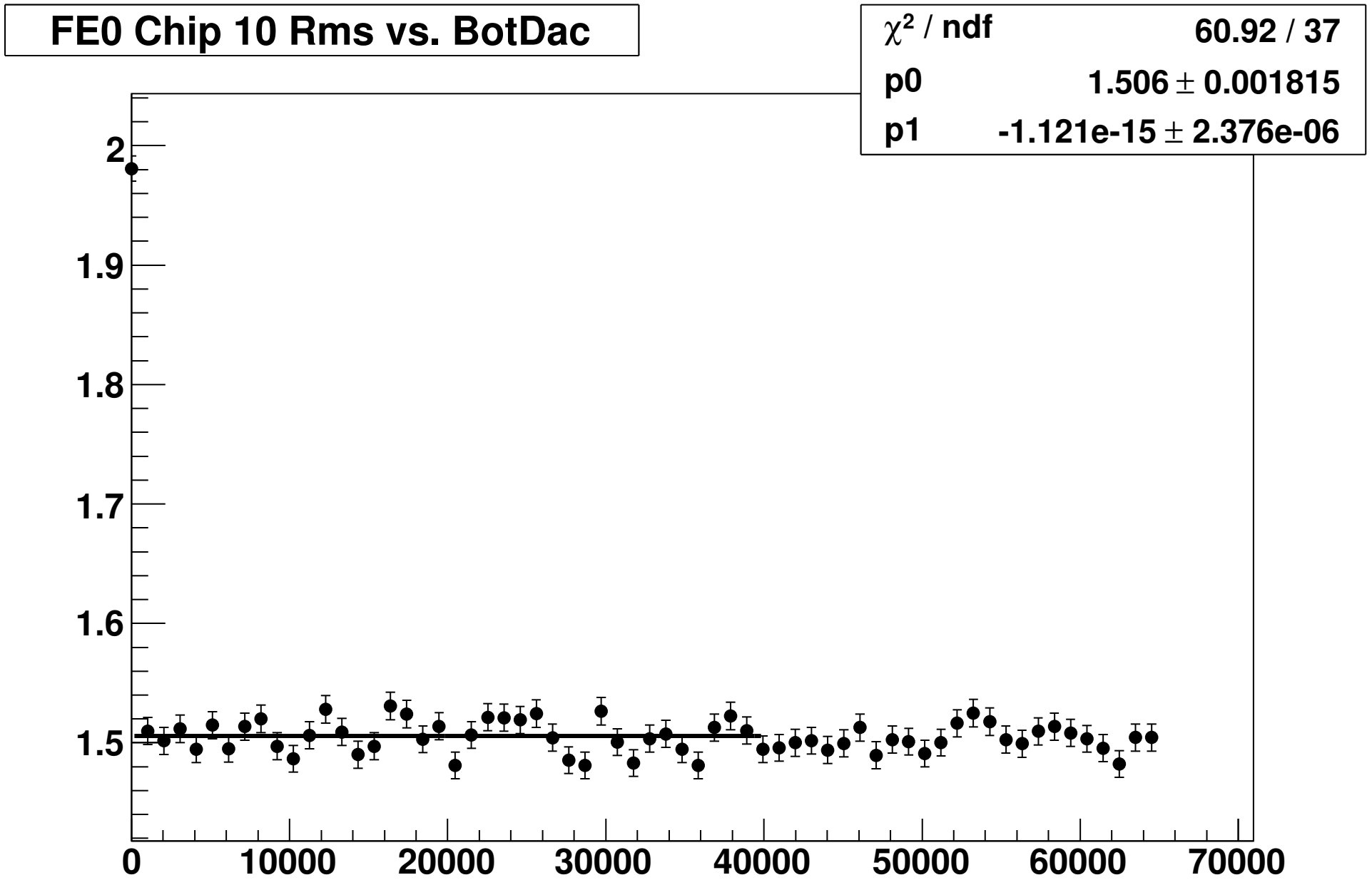

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 299.8 / 37
p0 139.5 ± 0.005218
p1 -9.507e-06 ± 2.218e-07
139.6
139.5
139.4
139.3
139.2
139.1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 60.92 / 37
p0 1.506 ± 0.001815
p1 -1.121e-15 ± 2.376e-06
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
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50000
60000
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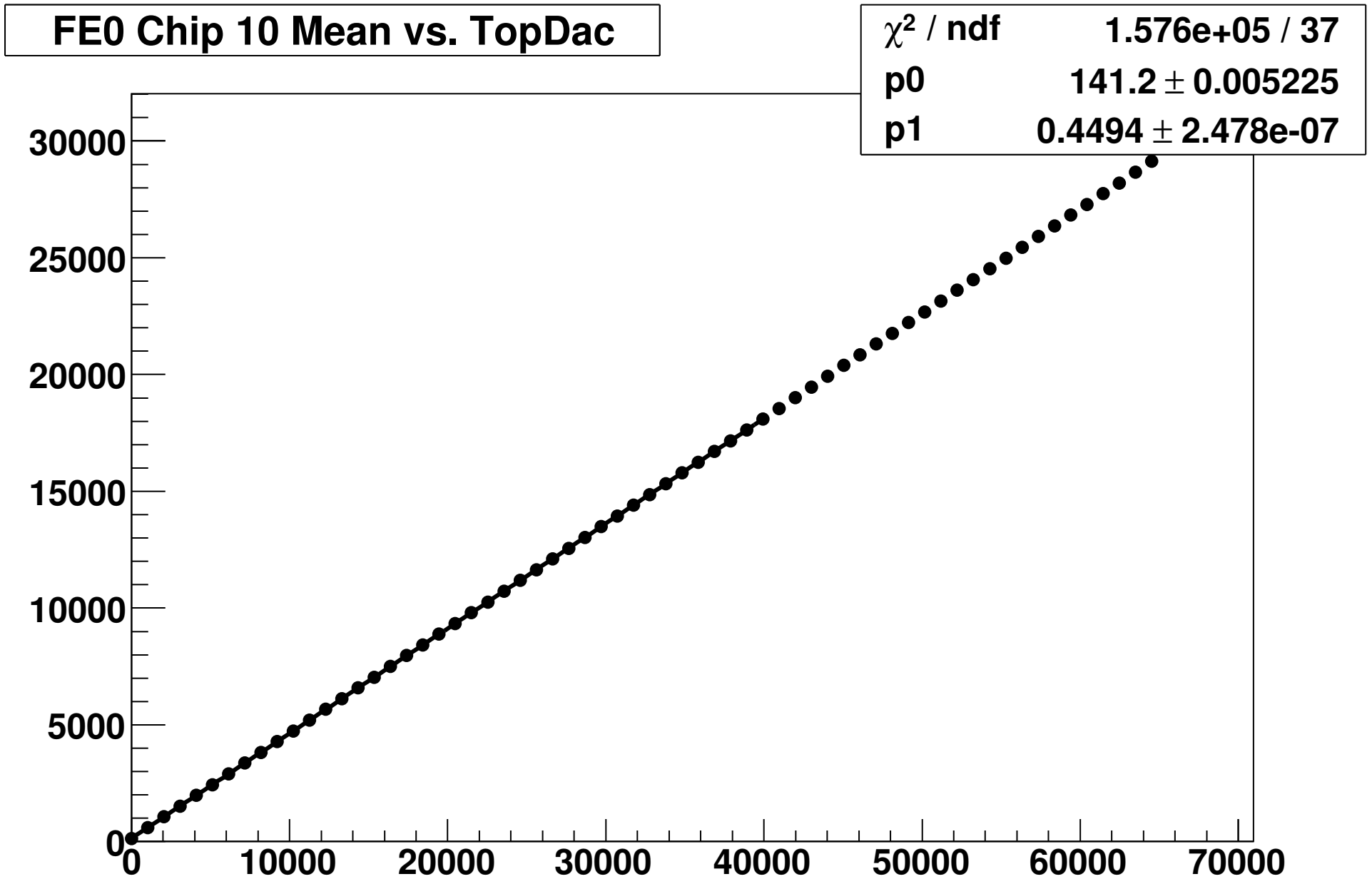
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.576e+05 / 37
p0 141.2 ± 0.005225
p1 0.4494 ± 2.478e-07
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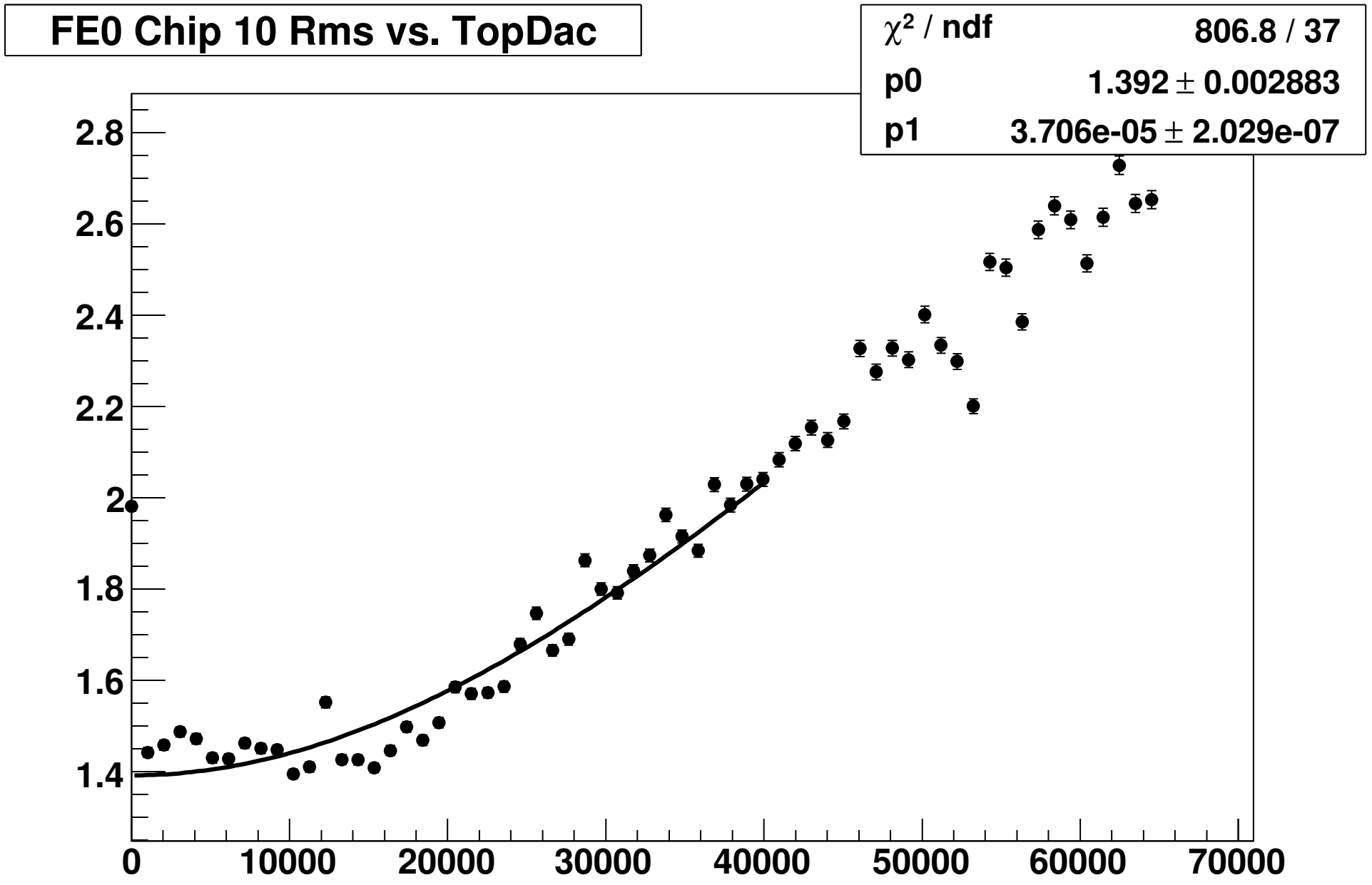
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 806.8 / 37
p0 1.392 ± 0.002883
p1 3.706e-05 ± 2.029e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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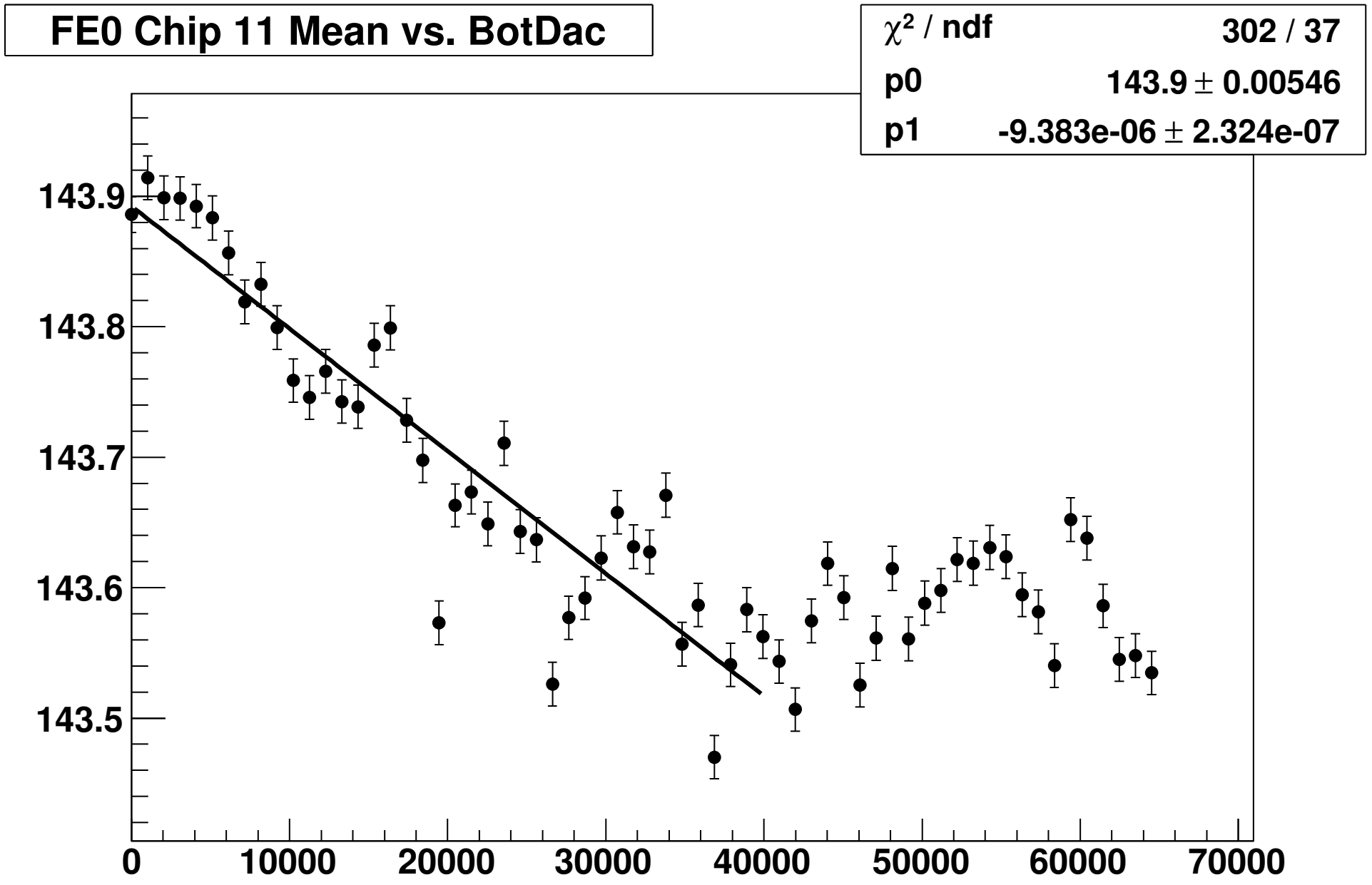
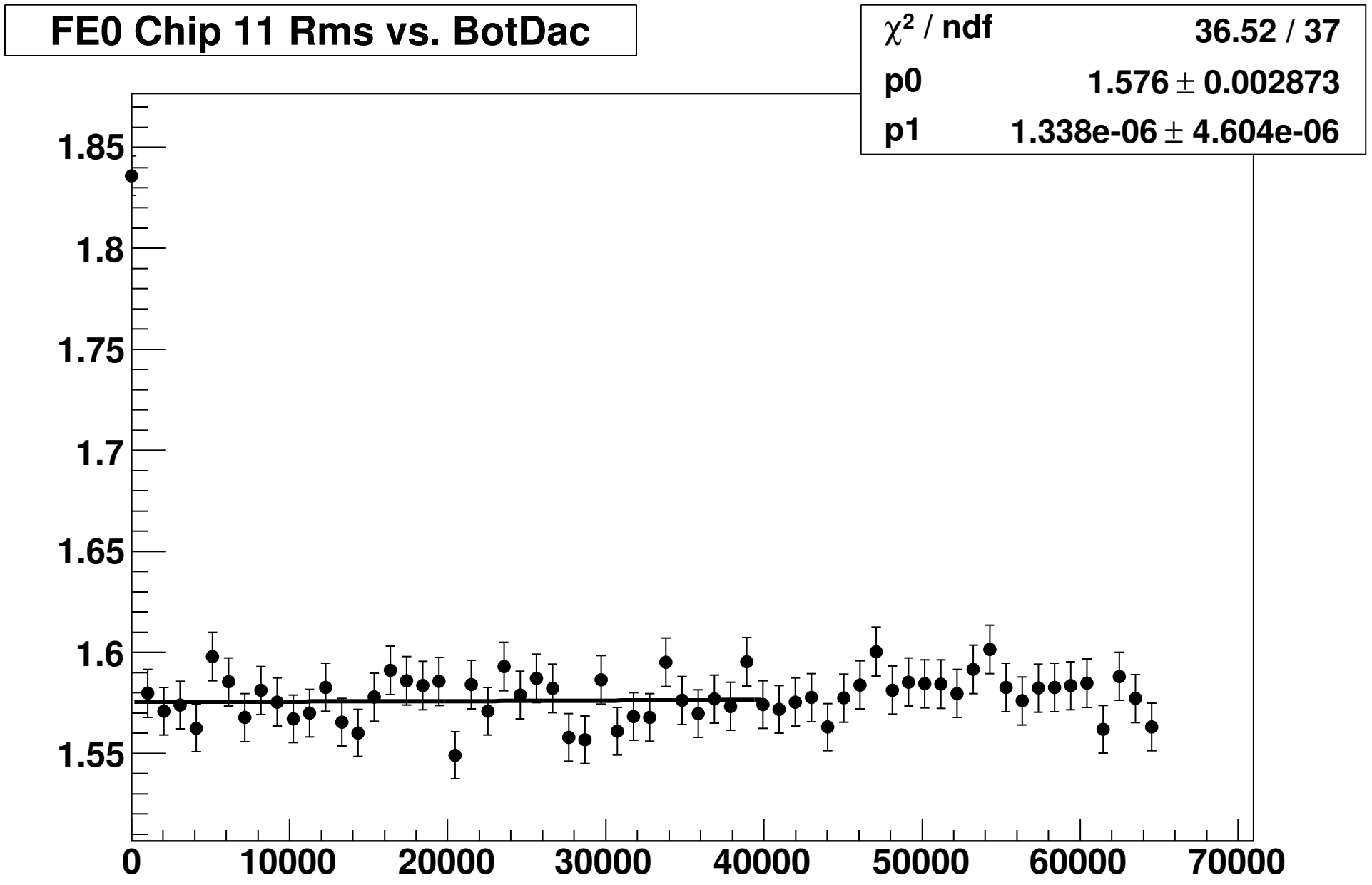
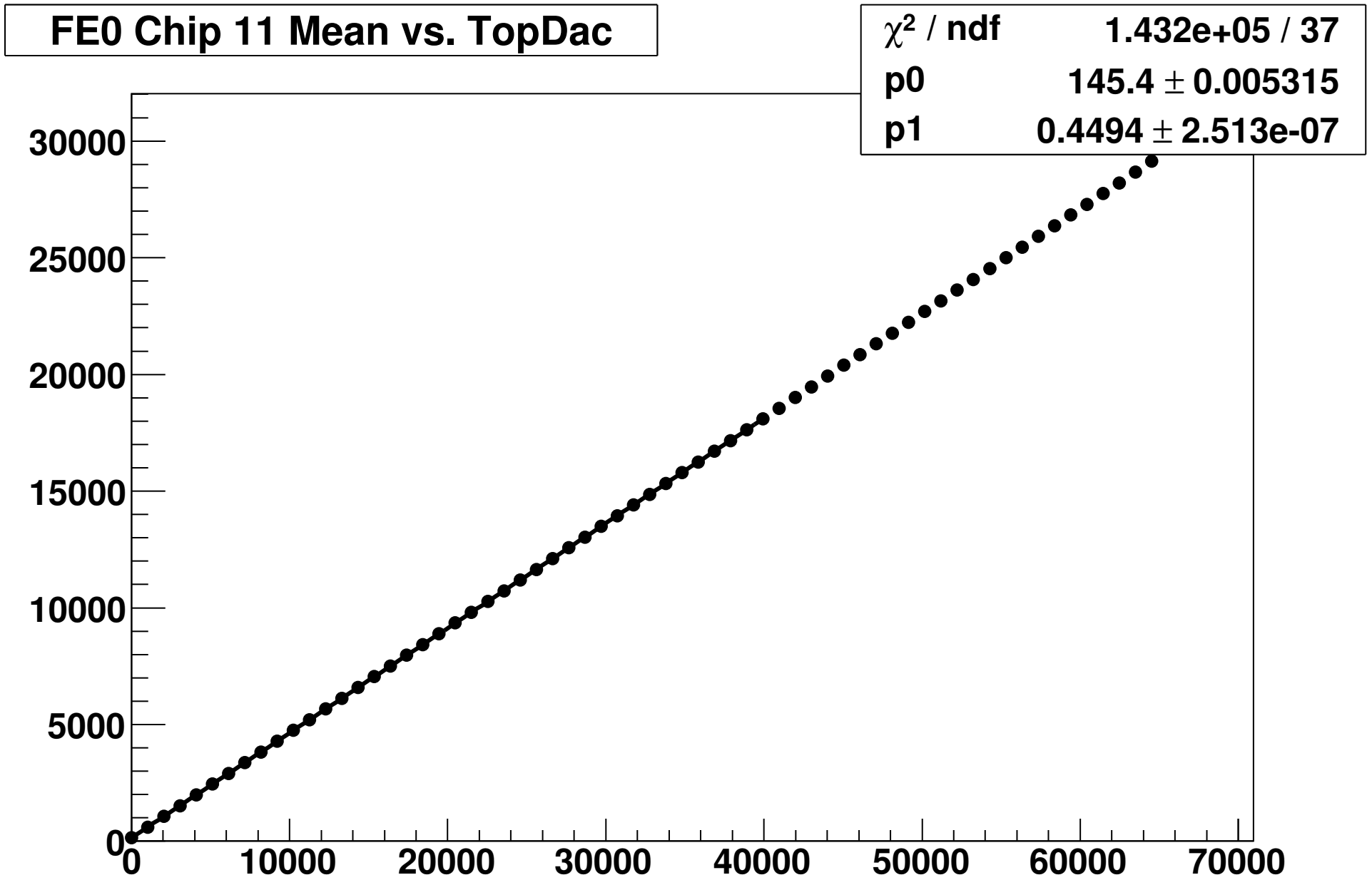

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 302 / 37
p0 143.9 ± 0.00546
p1 -9.383e-06 ± 2.324e-07
143.9
143.8
143.7
143.6
143.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 36.52 / 37
p0 1.576 ± 0.002873
p1 1.338e-06 ± 4.604e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.432e+05 / 37
p0 145.4 ± 0.005315
p1 0.4494 ± 2.513e-07
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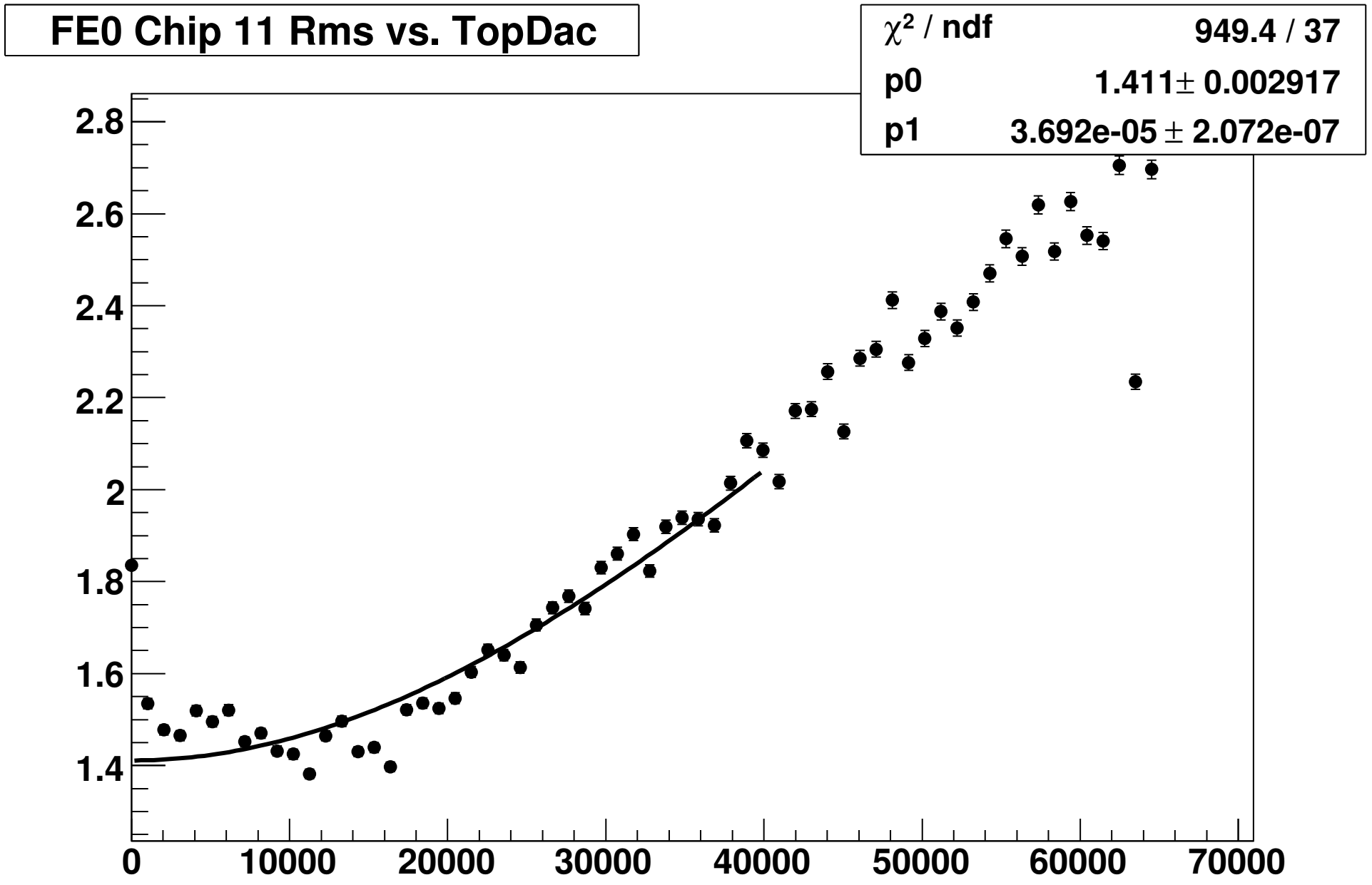
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 949.4 / 37
p0 1.411± 0.002917
p1 3.692e-05 ± 2.072e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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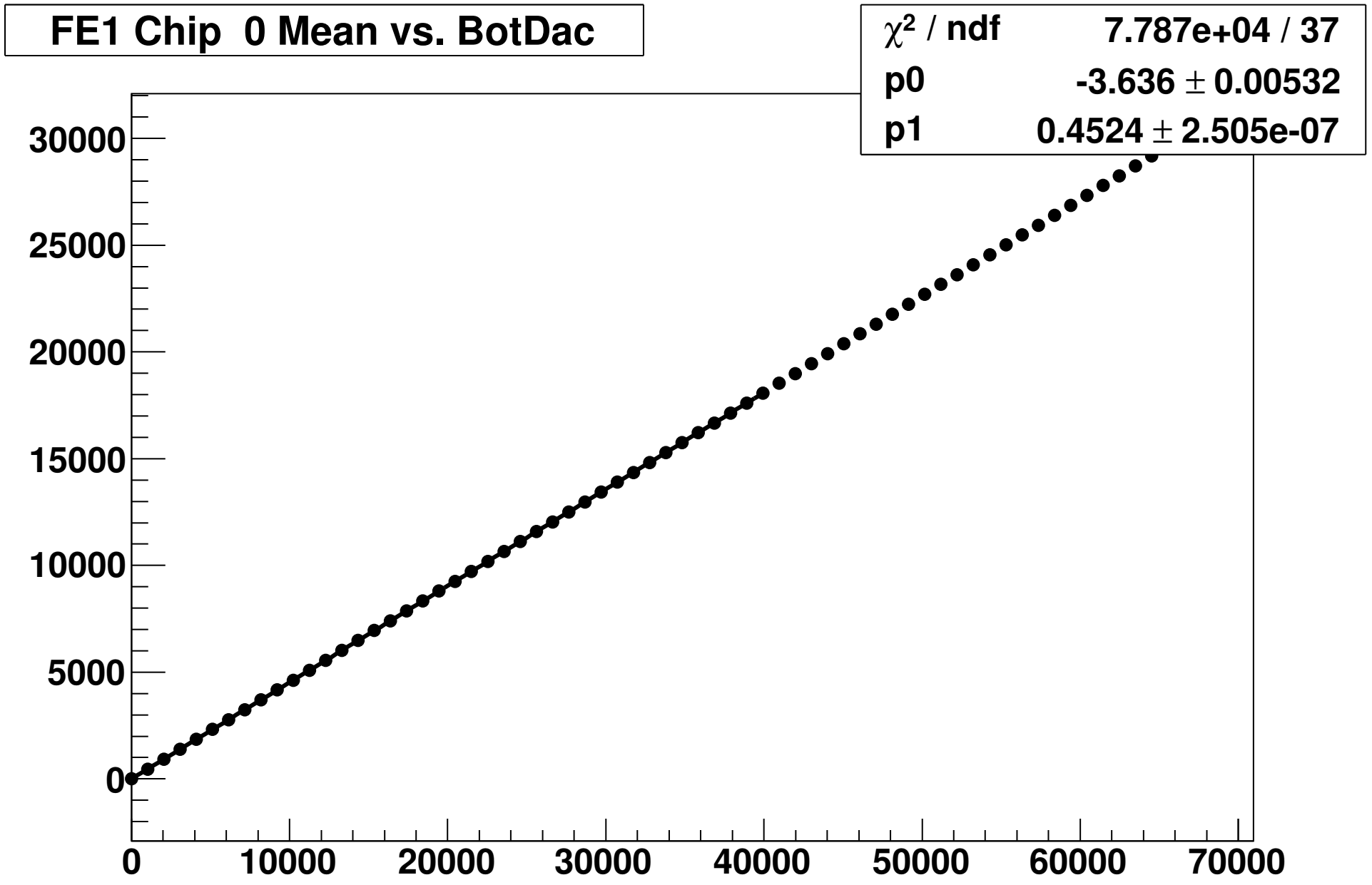
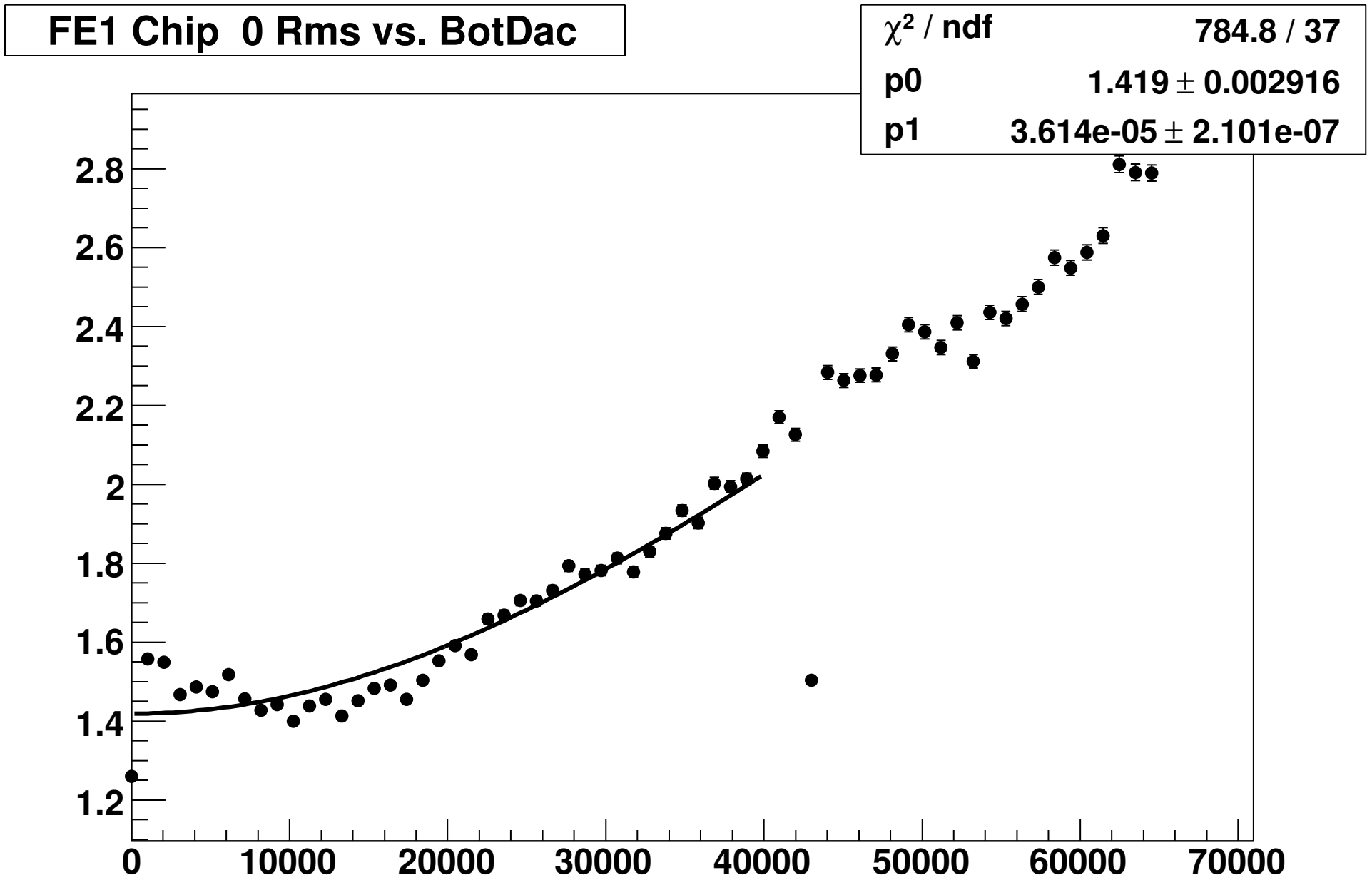
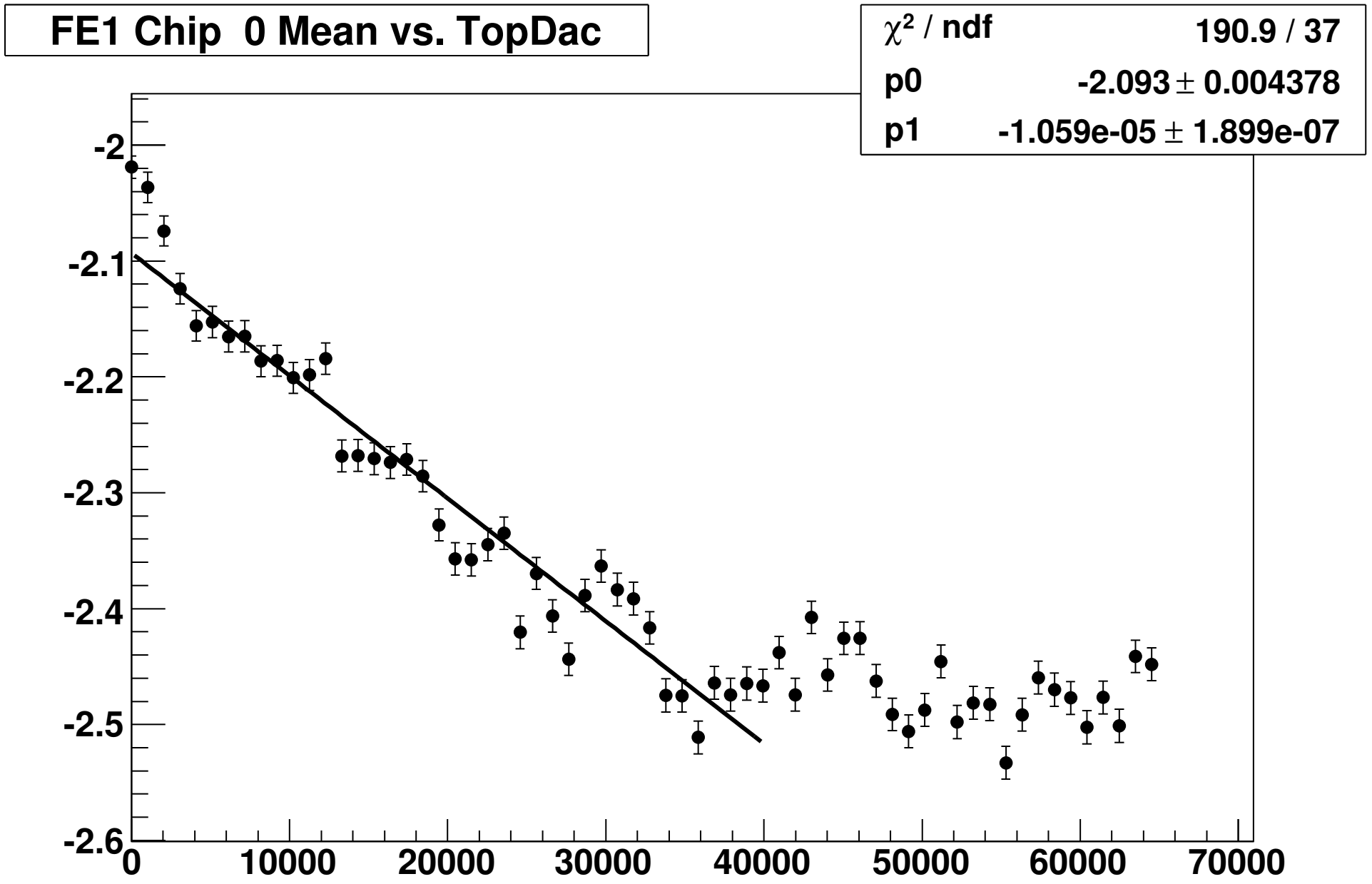
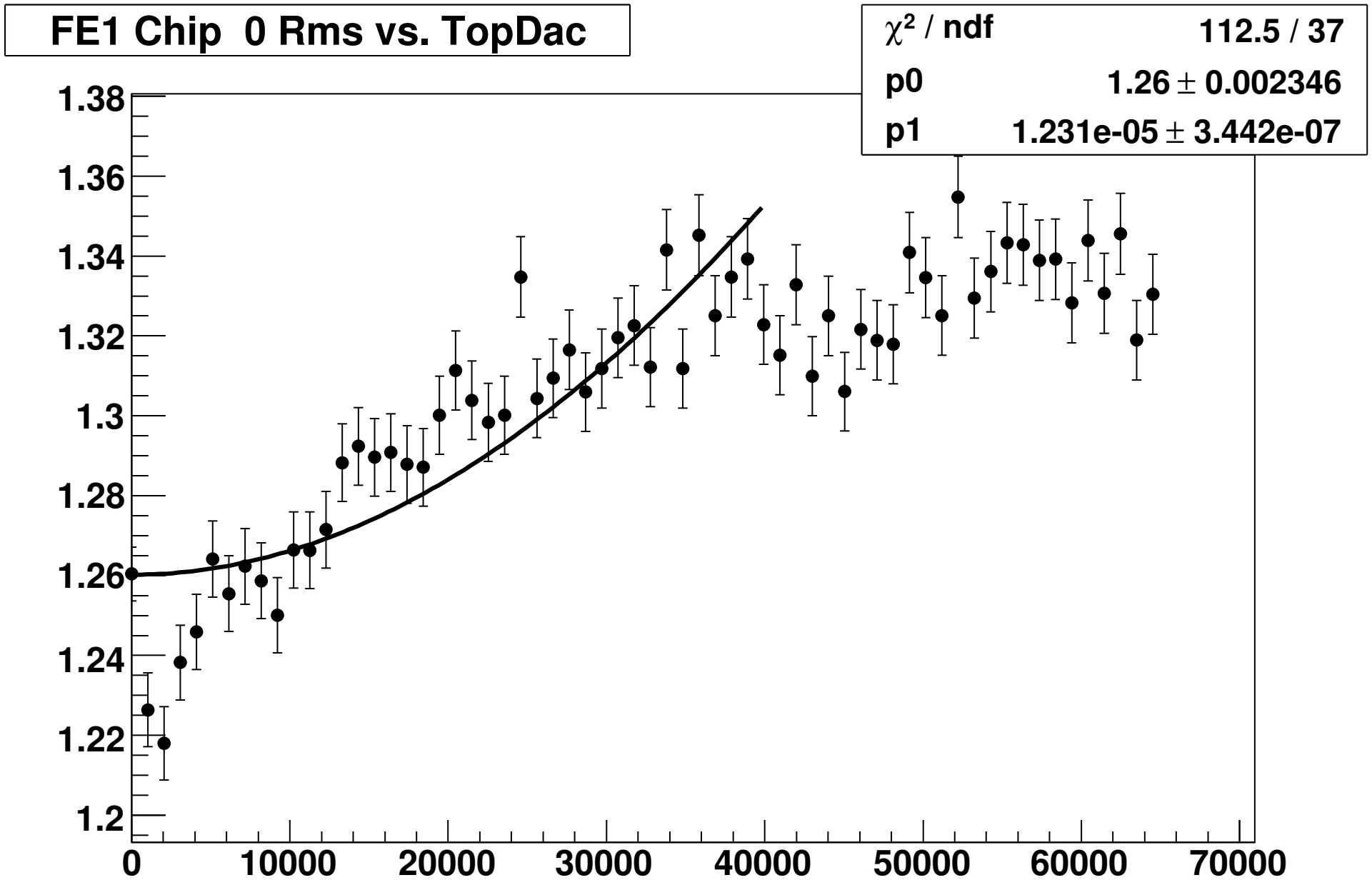
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 7.787e+04 / 37
p0 -3.636 ± 0.00532
p1 0.4524 ± 2.505e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 784.8 / 37
p0 1.419 ± 0.002916
p1 3.614e-05 ± 2.101e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 190.9 / 37
p0 -2.093 ± 0.004378
p1 -1.059e-05 ± 1.899e-07
-2
-2.1
-2.2
-2.3
-2.4
-2.5
-2.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 112.5 / 37
p0 1.26 ± 0.002346
p1 1.231e-05 ± 3.442e-07
1.38
1.36
1.34
1.32
1.3
1.28
1.26
1.24
1.22
1.2
0
10000
20000
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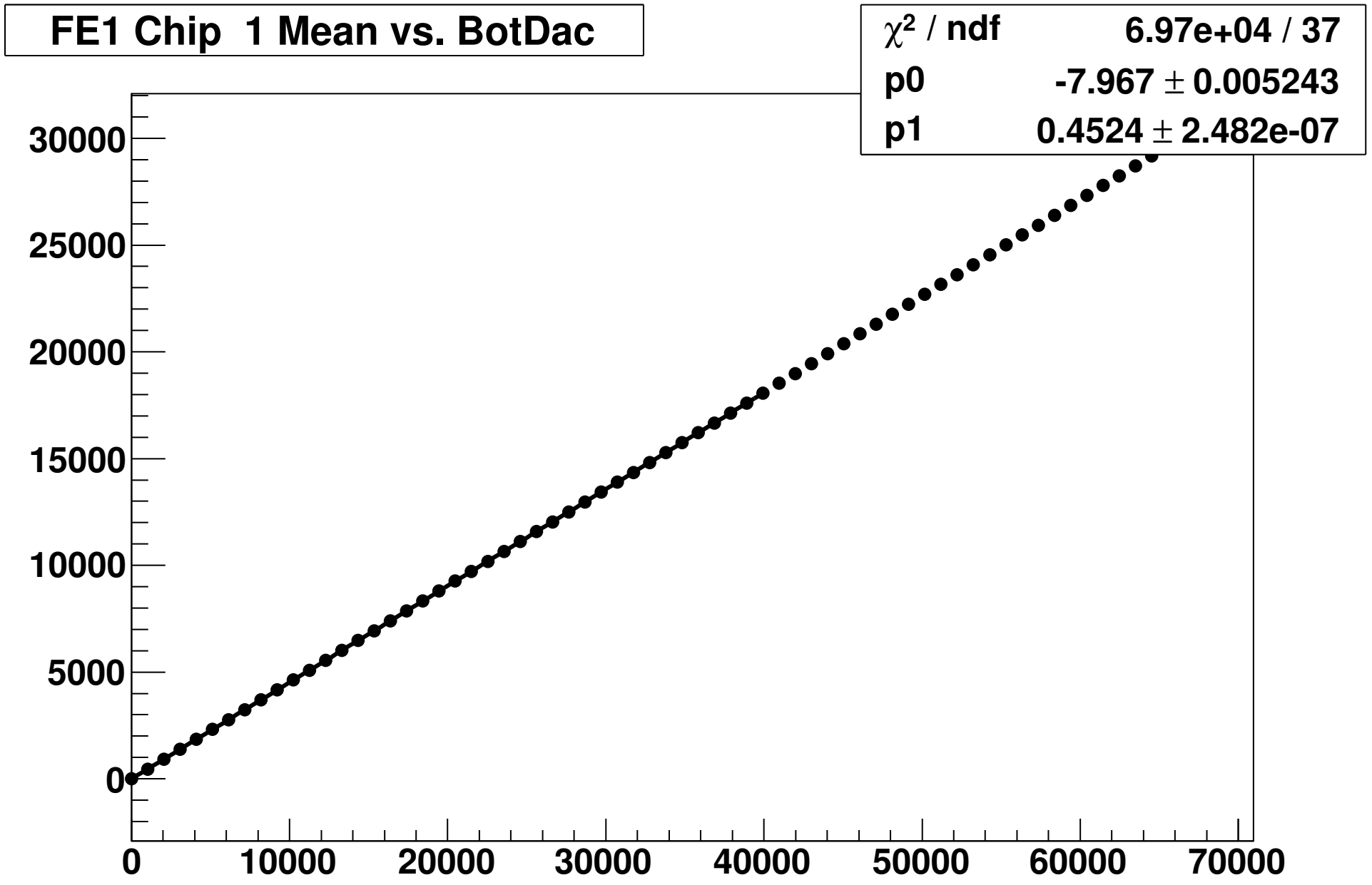
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 6.97e+04 / 37
p0 -7.967 ± 0.005243
p1 0.4524 ± 2.482e-07
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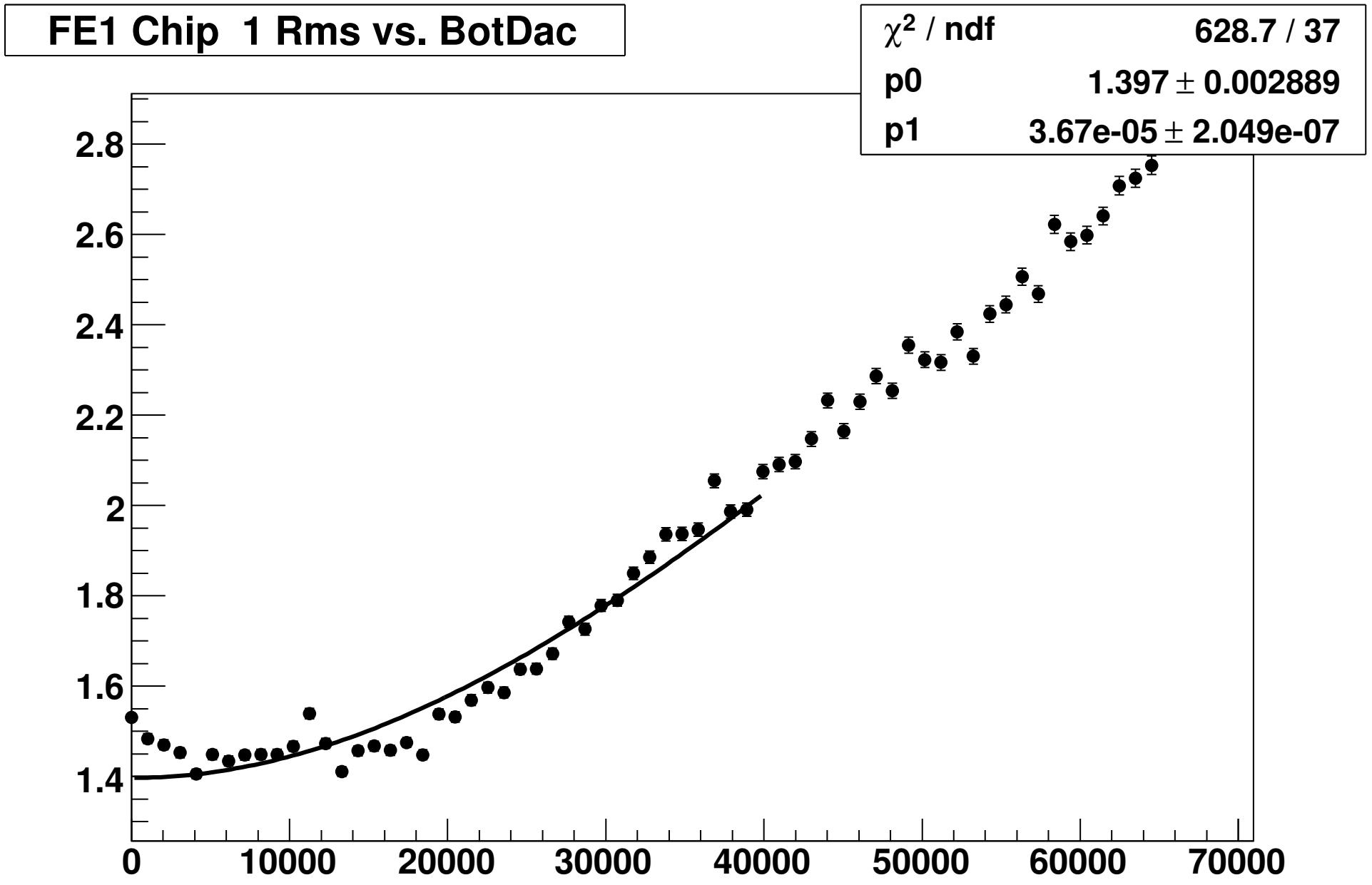
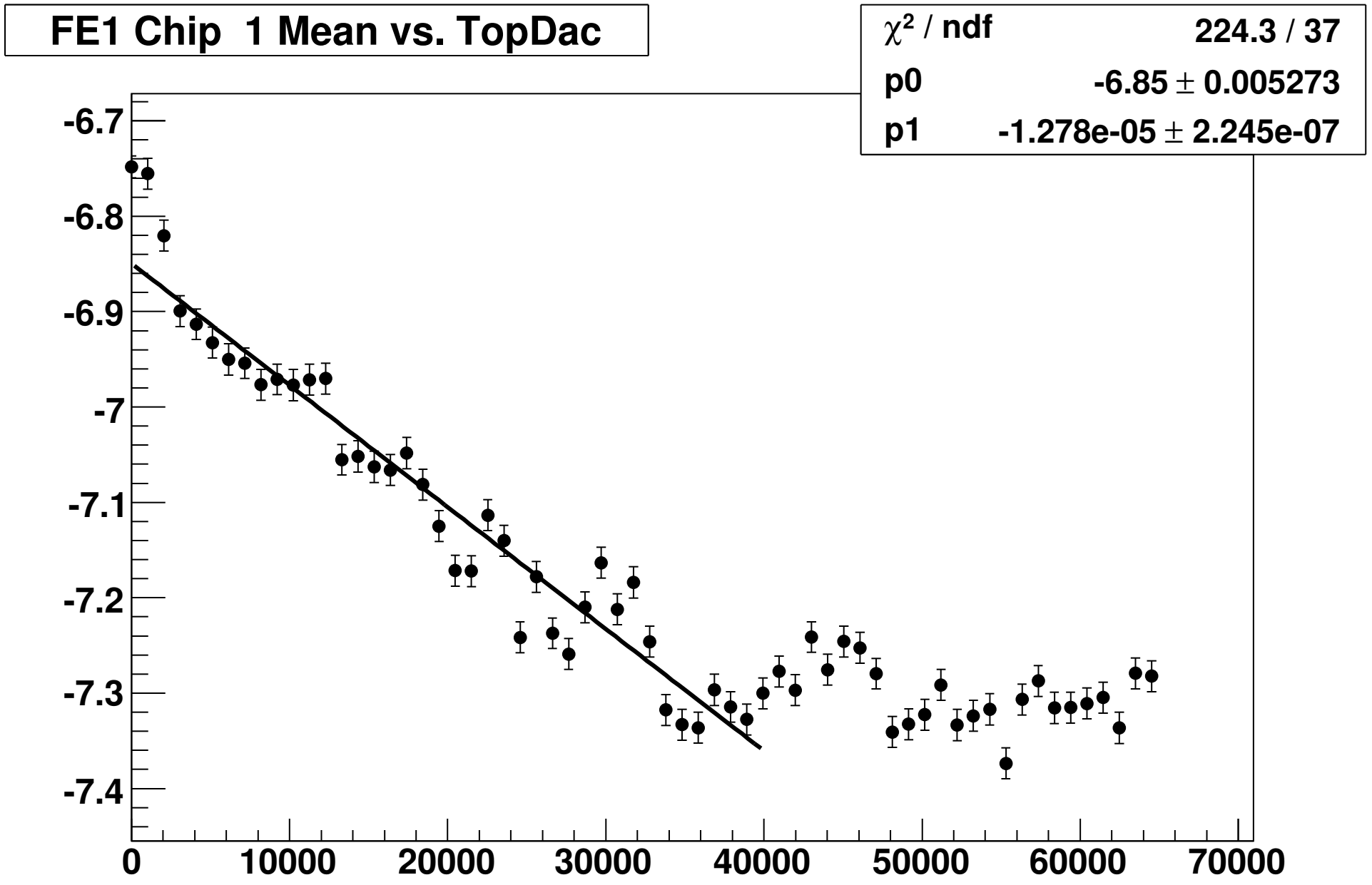
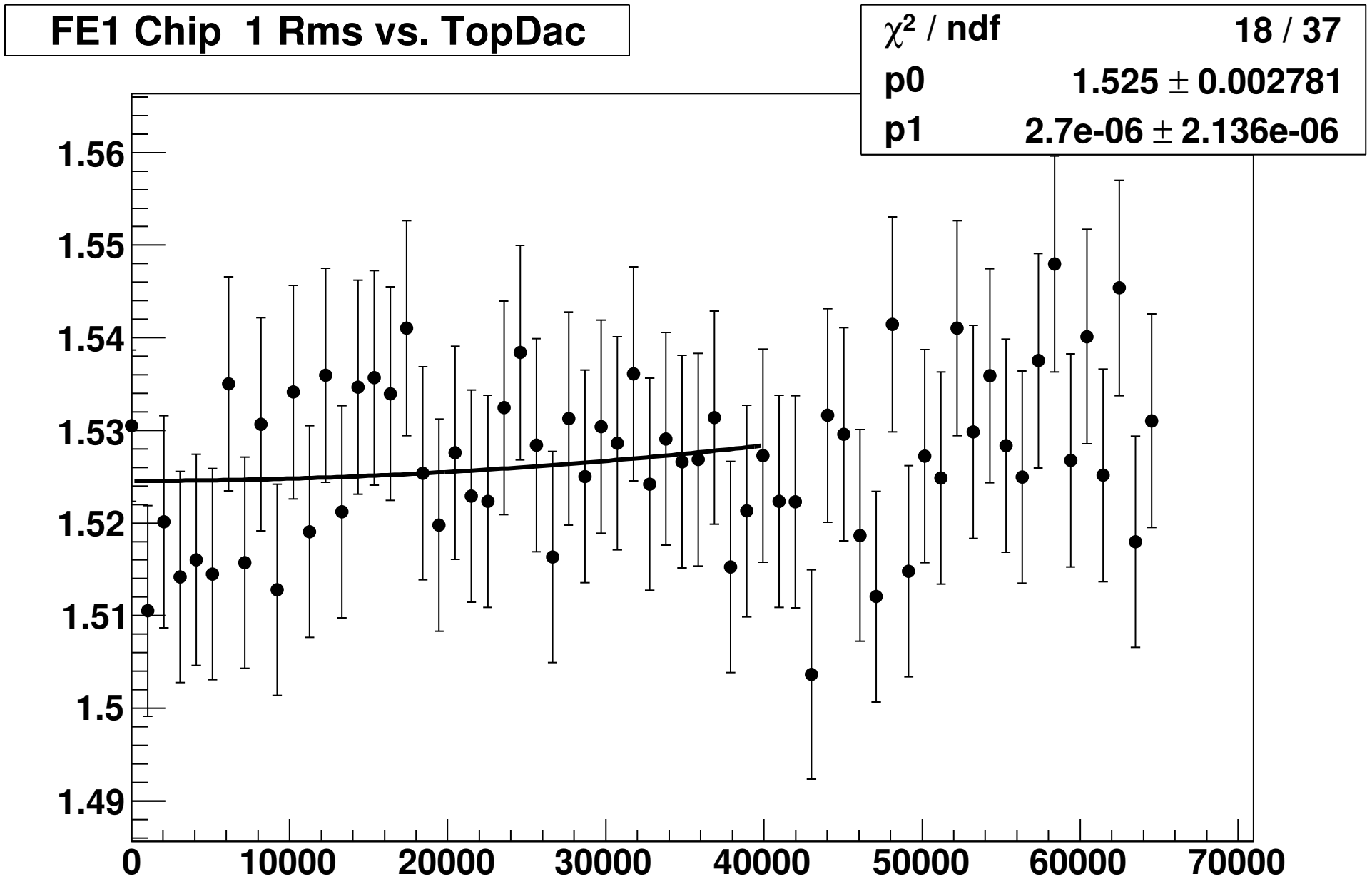
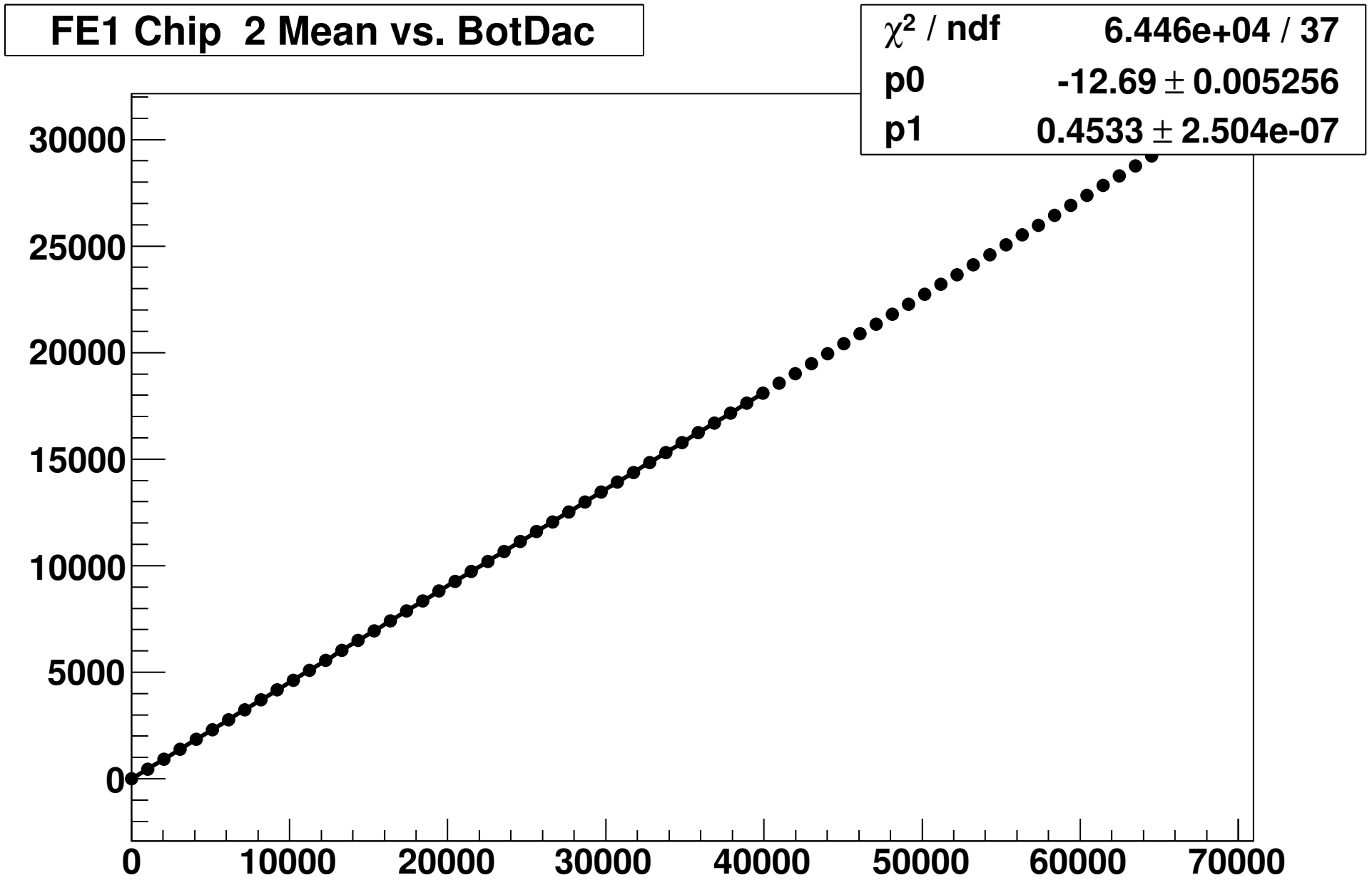
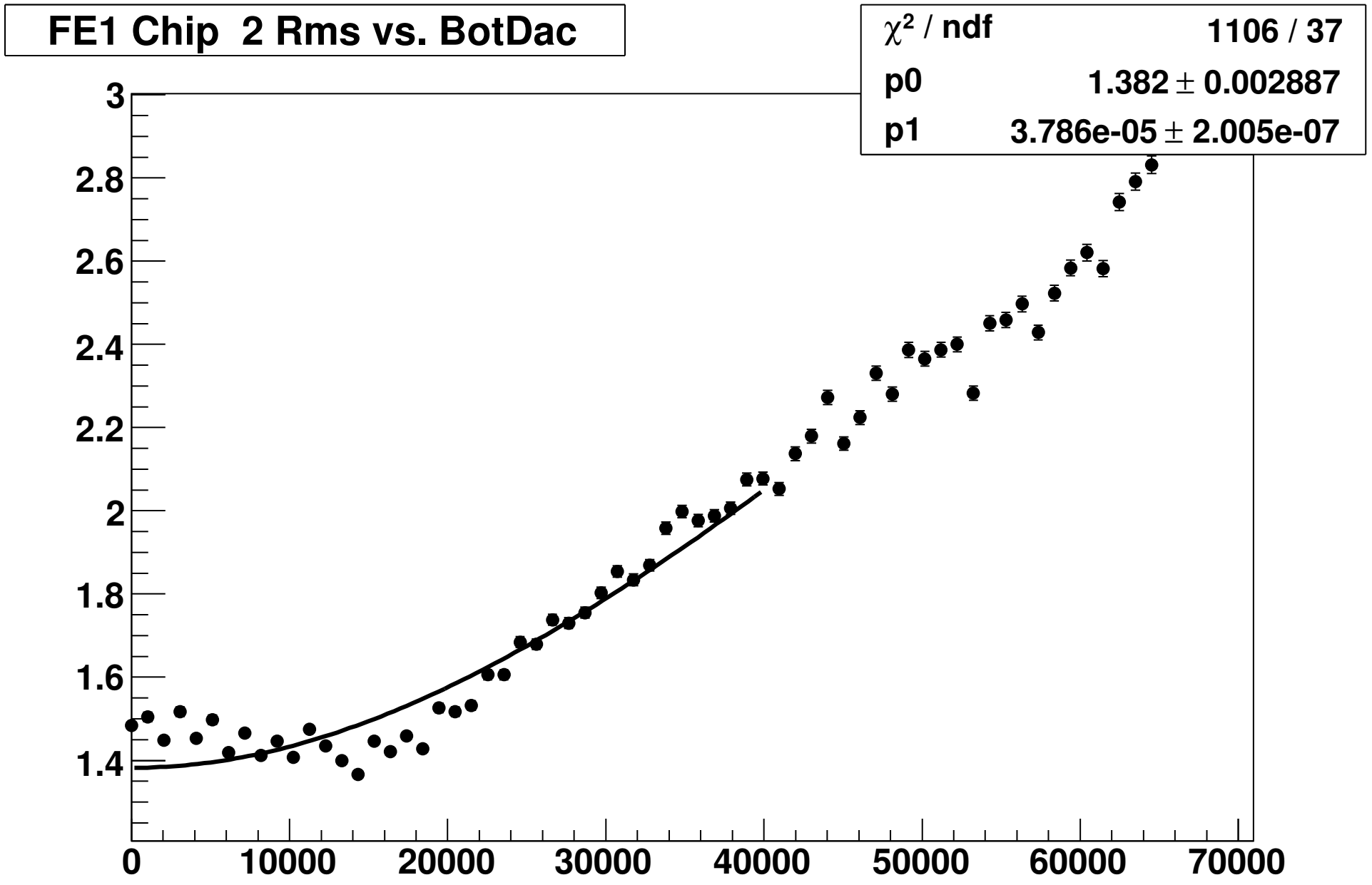
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

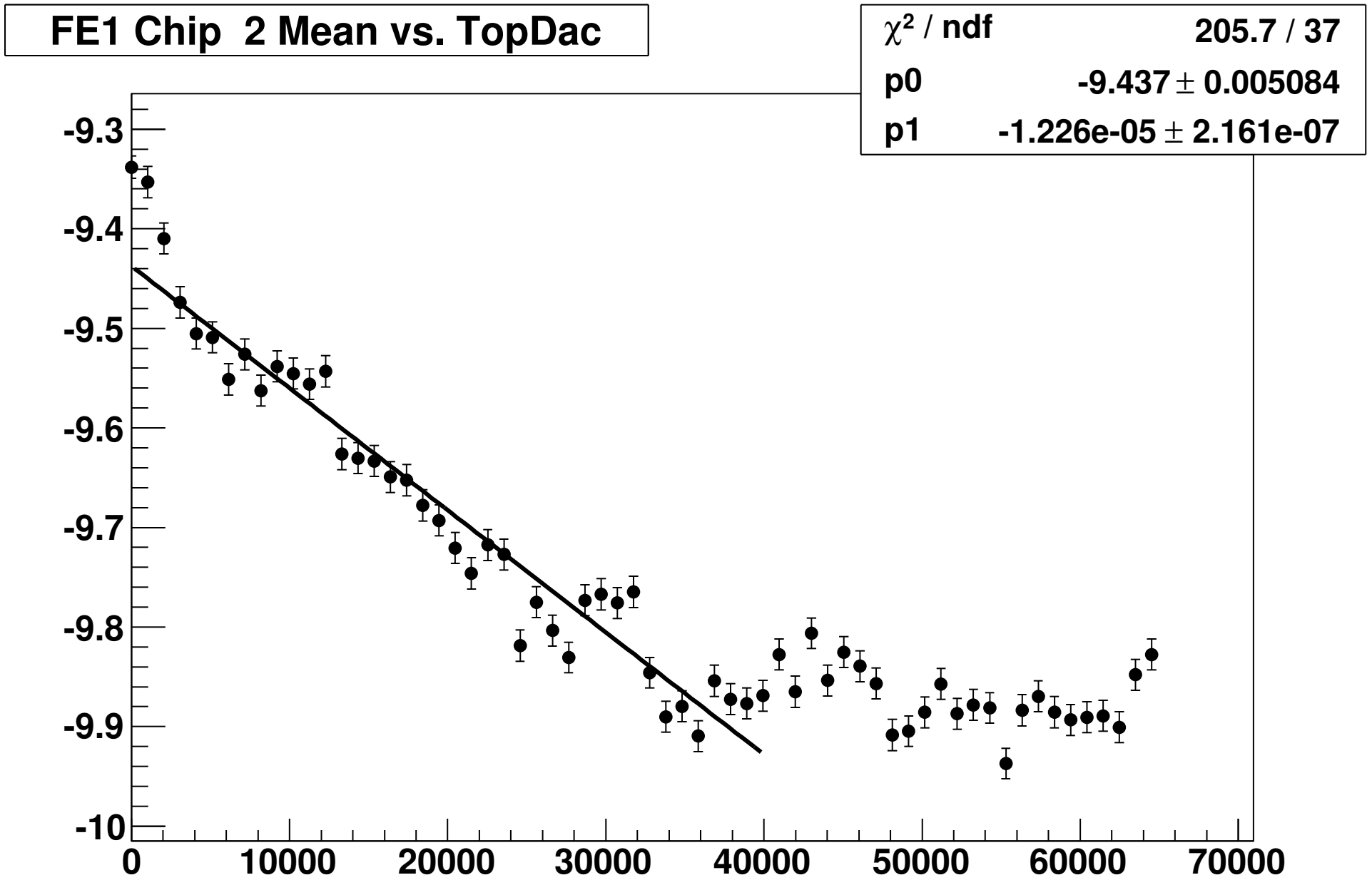

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 628.7 / 37
p0 1.397 ± 0.002889
p1 3.67e-05 ± 2.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

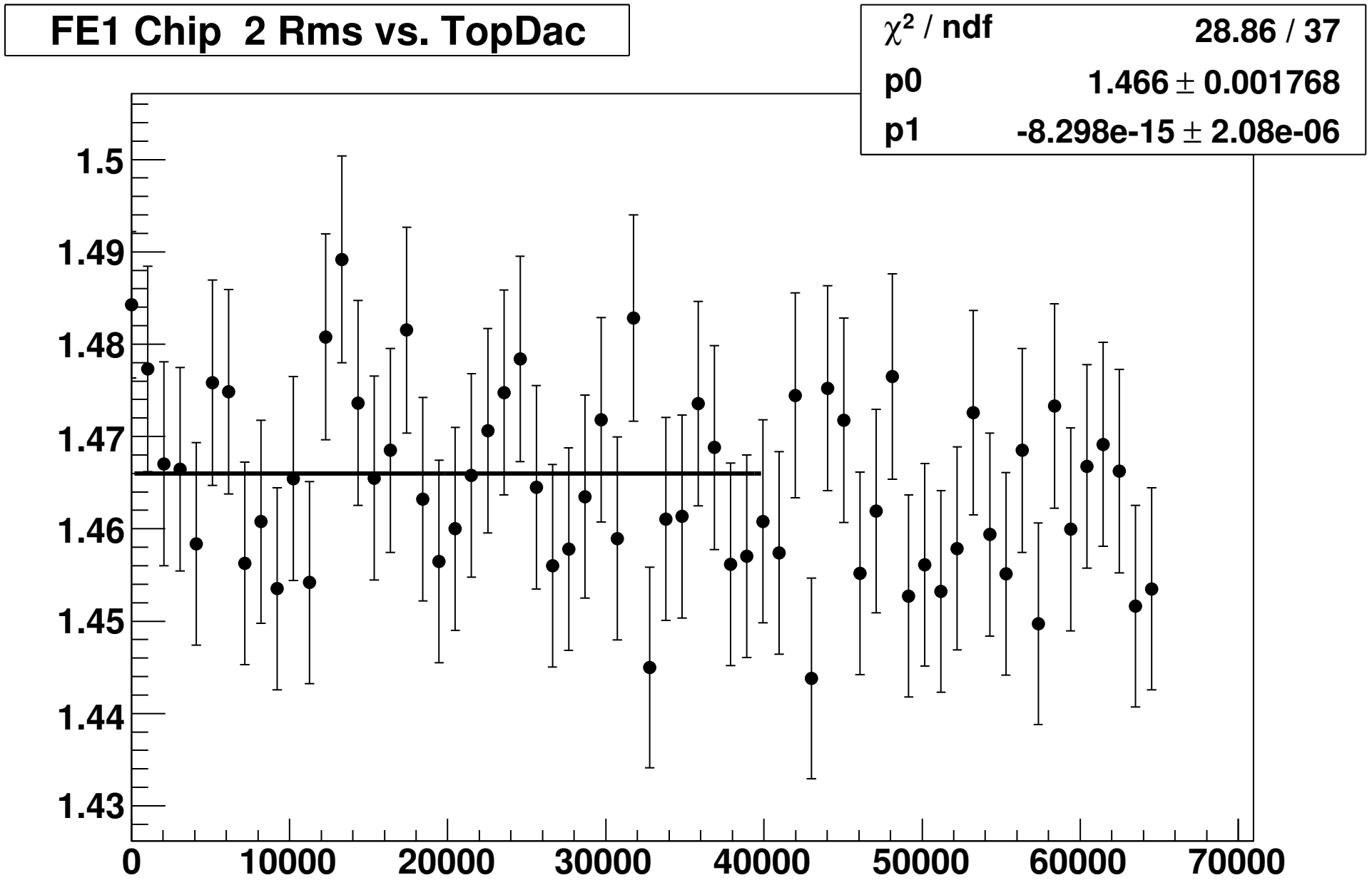

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 224.3 / 37
p0 -6.85 ± 0.005273
p1 -1.278e-05 ± 2.245e-07
-6.7
-6.8
-6.9
-7
-7.1
-7.2
-7.3
-7.4
0
10000
20000
30000
40000
50000
60000
70000

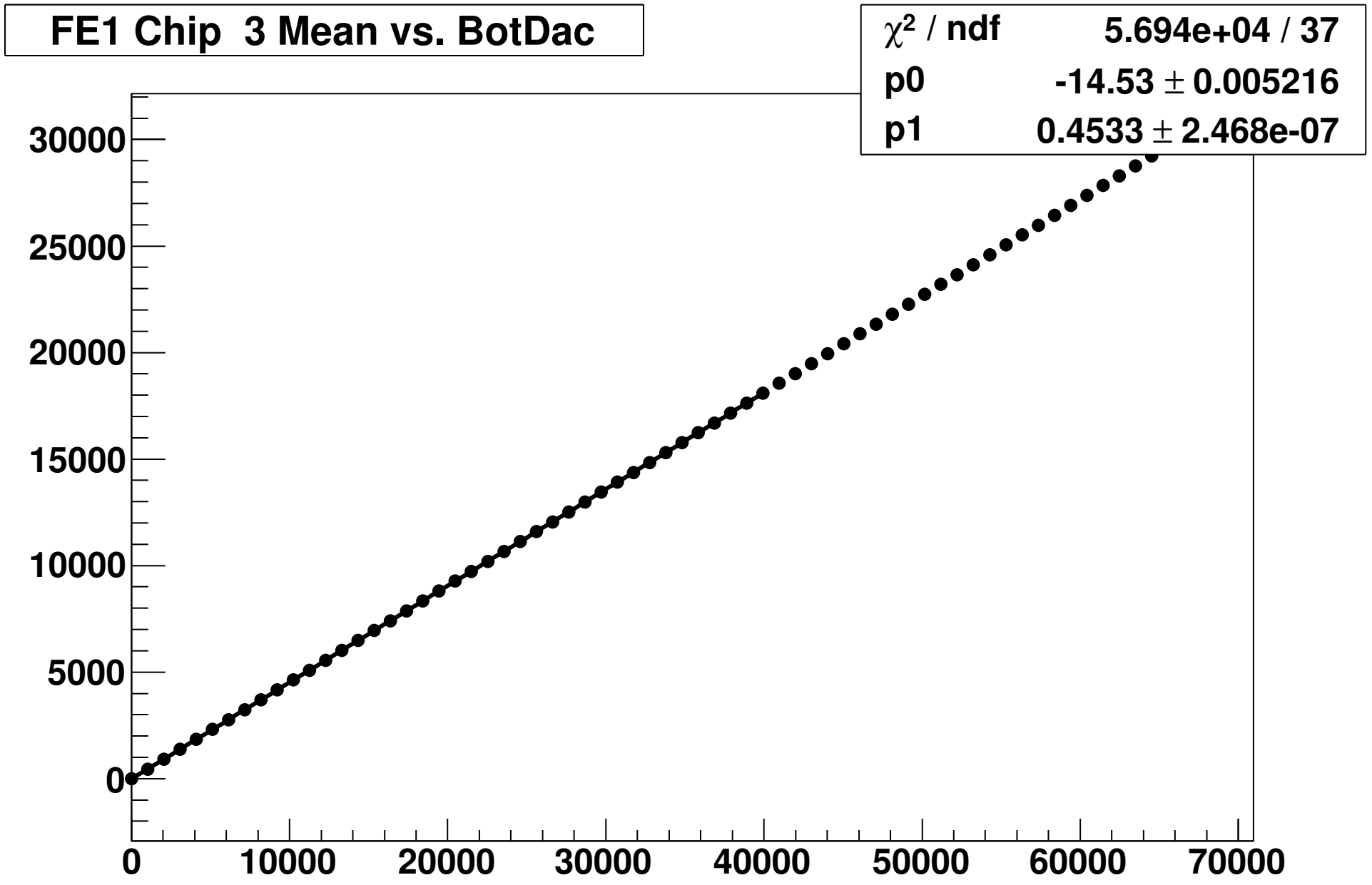

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 18 / 37
p0 1.525 ± 0.002781
p1 2.7e-06 ± 2.136e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

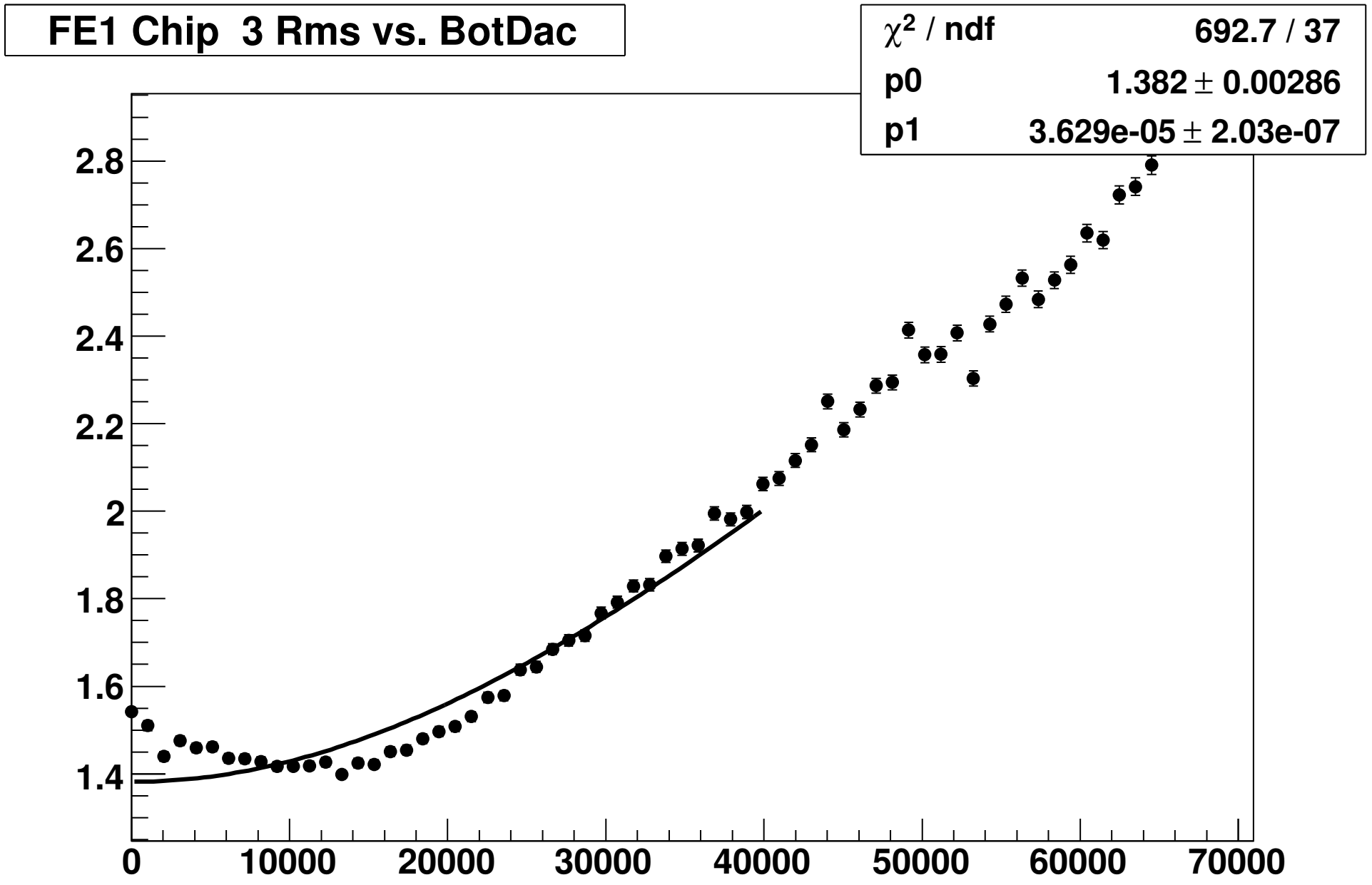

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.446e+04 / 37
p0 -12.69 ± 0.005256
p1 0.4533 ± 2.504e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1106 / 37
p0 1.382 ± 0.002887
p1 3.786e-05 ± 2.005e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 205.7 / 37
p0 -9.437 ± 0.005084
p1 -1.226e-05 ± 2.161e-07
-9.3
-9.4
-9.5
-9.6
-9.7
-9.8
-9.9
-10
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 28.86 / 37
p0 1.466 ± 0.001768
p1 -8.298e-15 ± 2.08e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 5.694e+04 / 37
p0 -14.53 ± 0.005216
p1 0.4533 ± 2.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 692.7 / 37
p0 1.382 ± 0.00286
p1 3.629e-05 ± 2.03e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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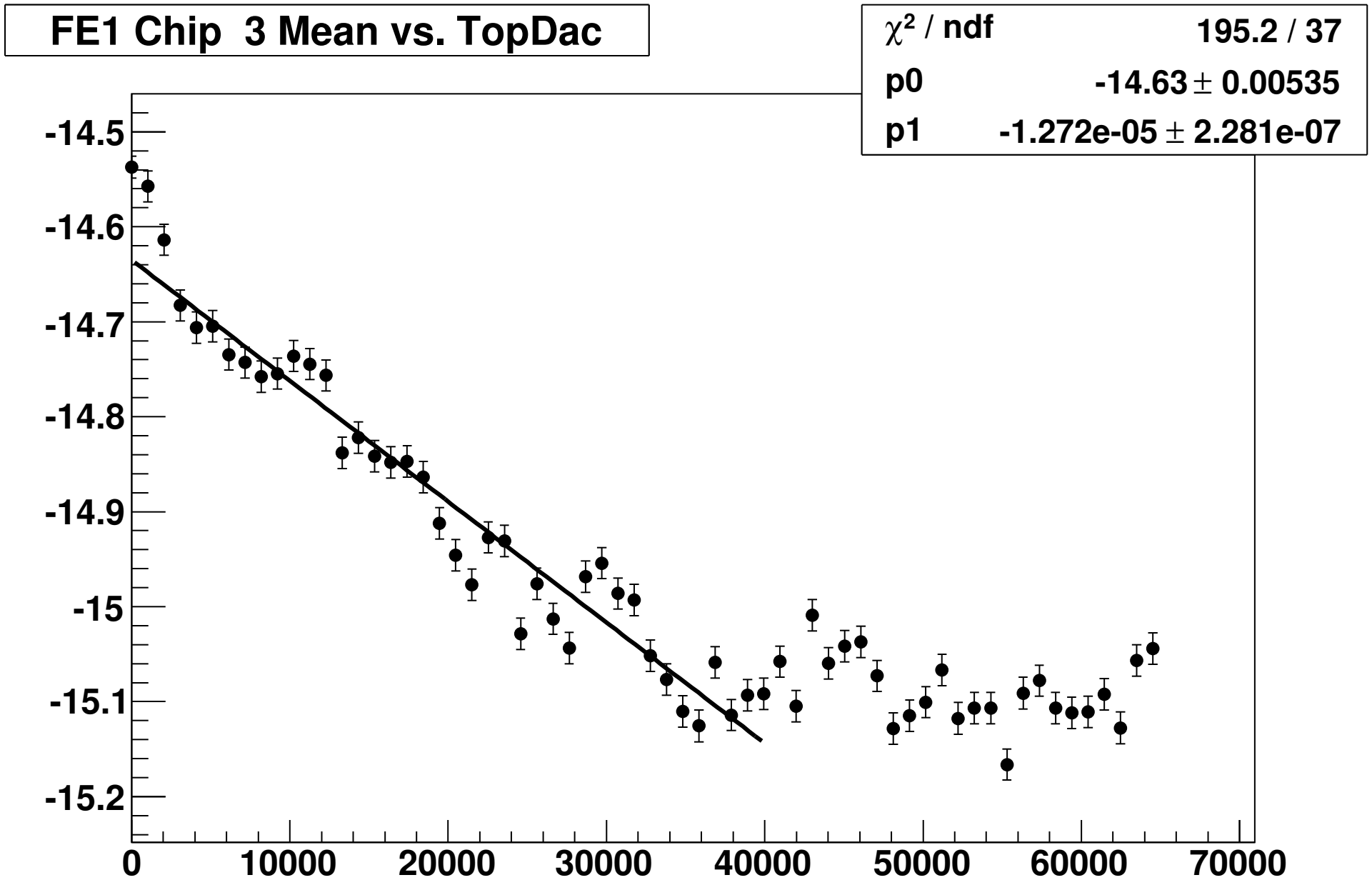
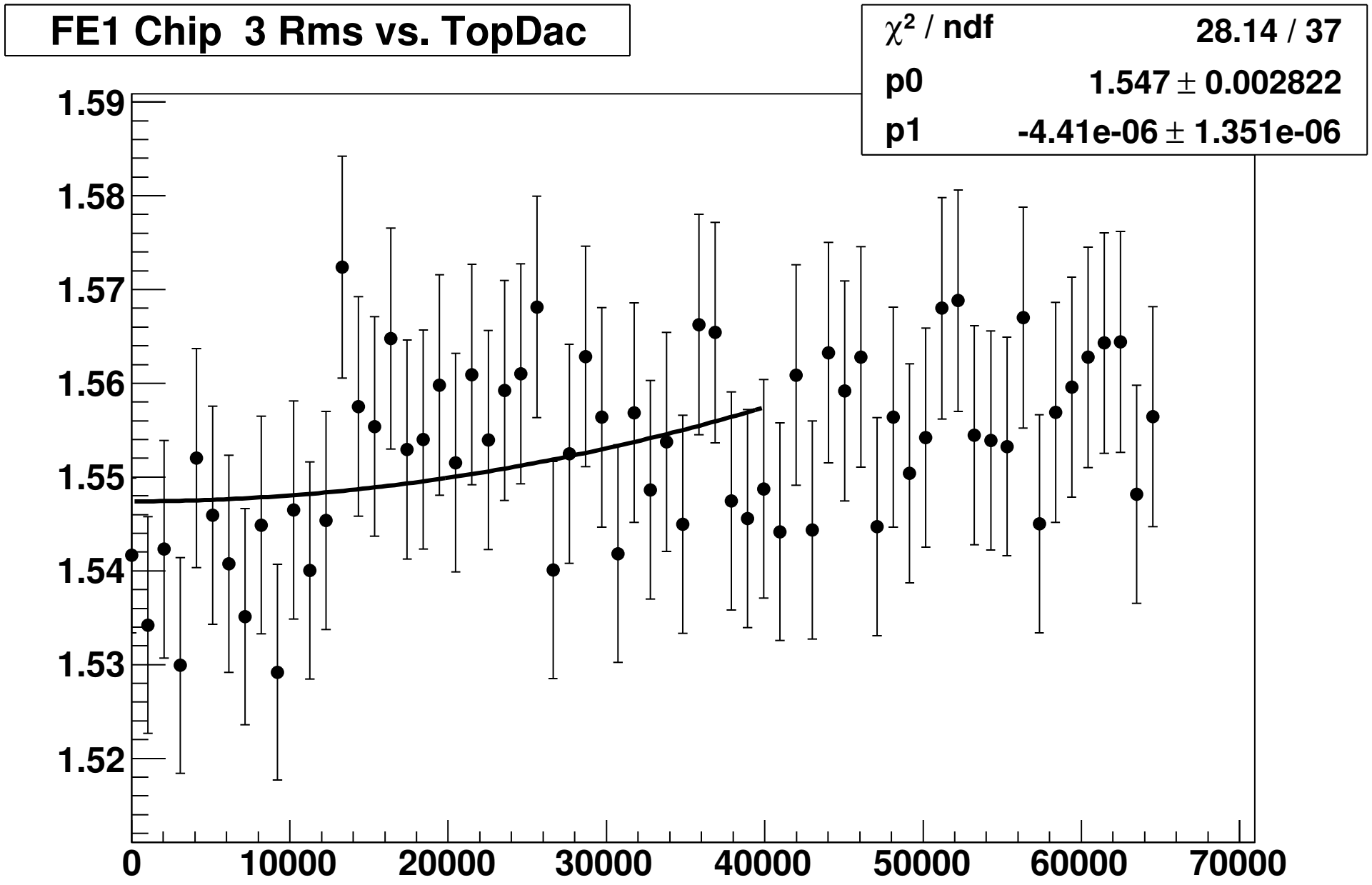
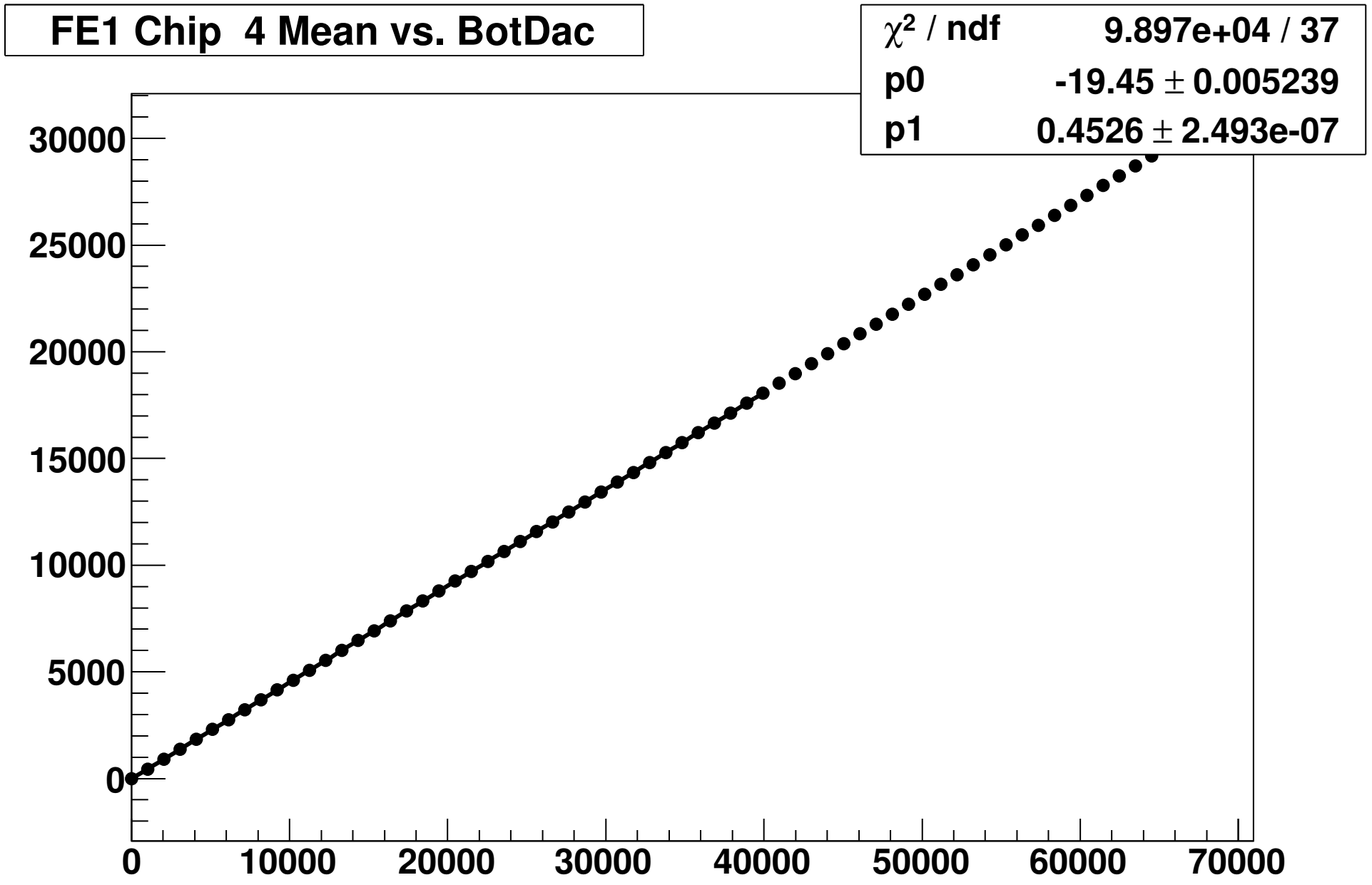

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 195.2 / 37
p0 -14.63 ± 0.00535
p1 -1.272e-05 ± 2.281e-07
-14.5
-14.6
-14.7
-14.8
-14.9
-15
-15.1
-15.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 28.14 / 37
p0 1.547 ± 0.002822
p1 -4.41e-06 ± 1.351e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 9.897e+04 / 37
p0 -19.45 ± 0.005239
p1 0.4526 ± 2.493e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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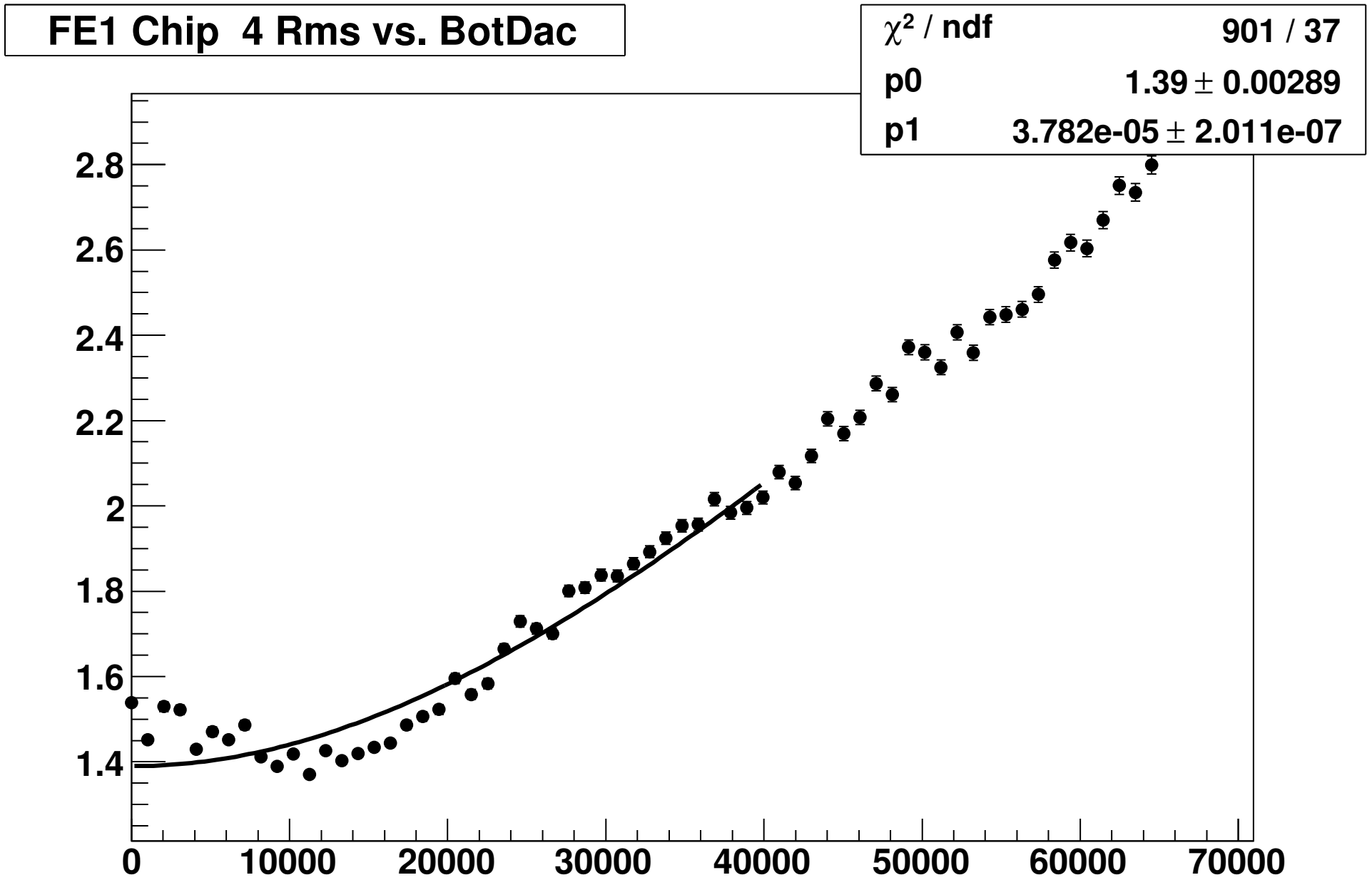
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 901 / 37
p0 1.39 ± 0.00289
p1 3.782e-05 ± 2.011e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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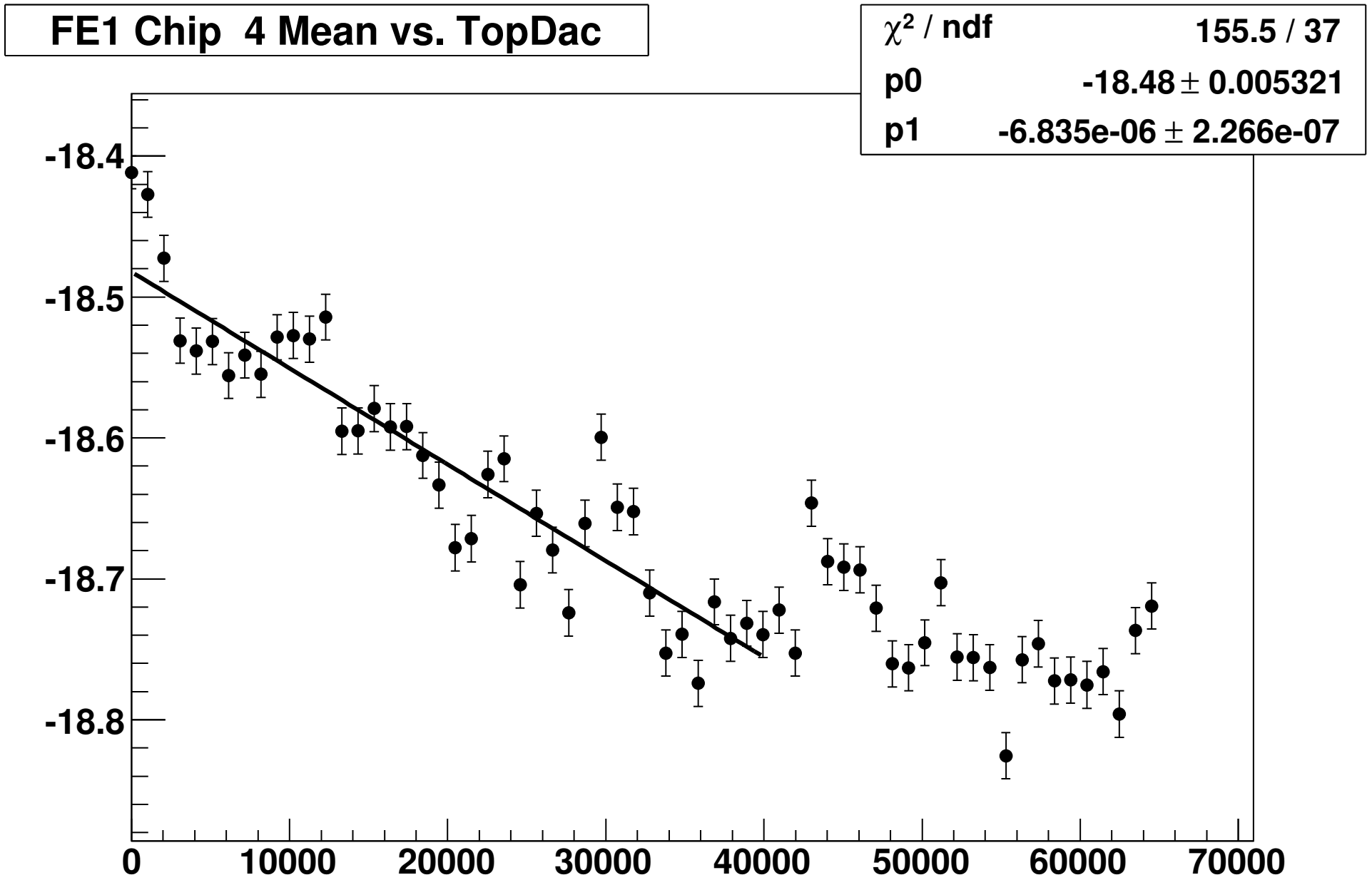
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 155.5 / 37
p0 -18.48 ± 0.005321
p1 -6.835e-06 ± 2.266e-07
-18.4
-18.5
-18.6
-18.7
-18.8
0
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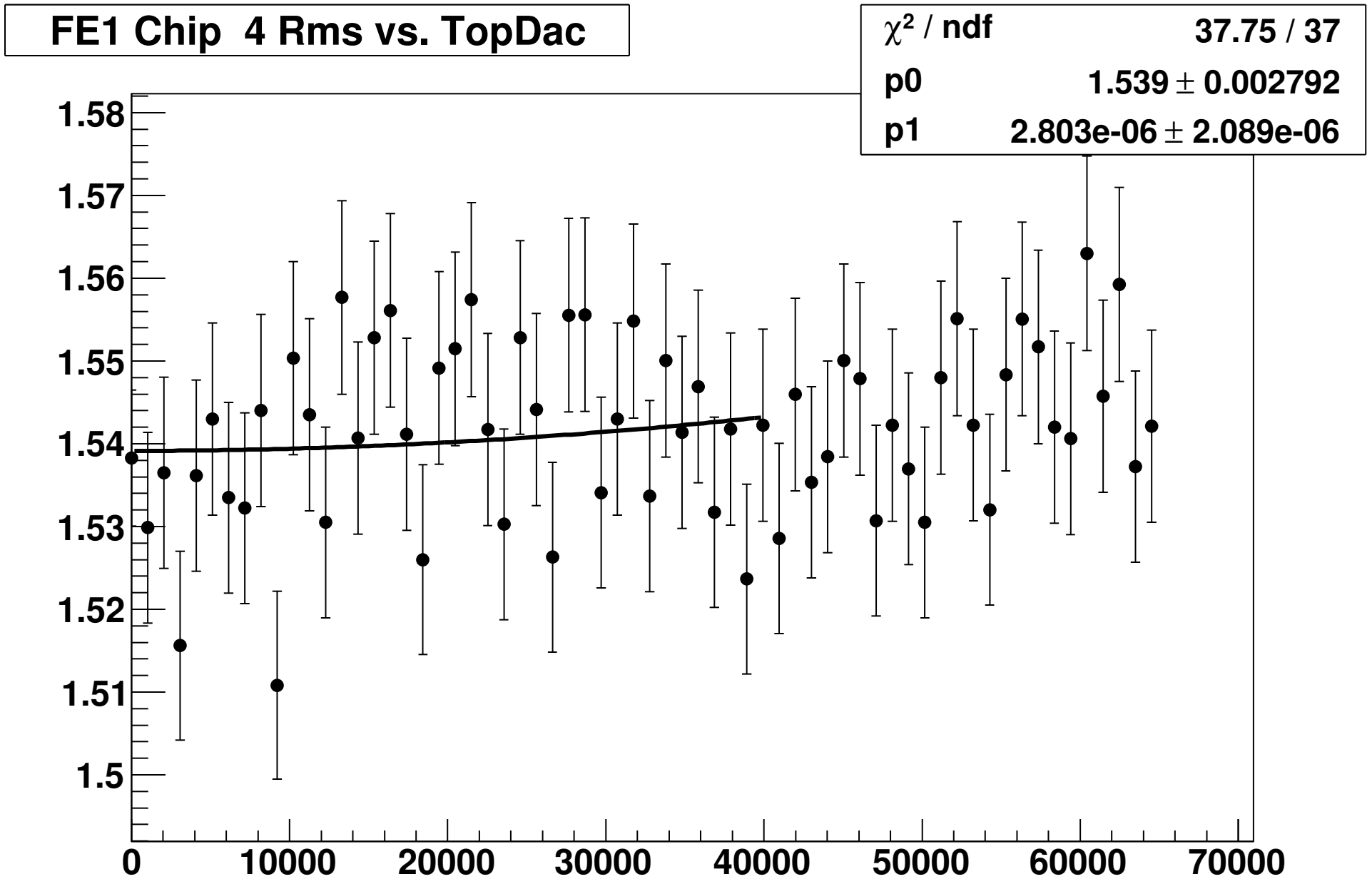
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 37.75 / 37
p0 1.539 ± 0.002792
p1 2.803e-06 ± 2.089e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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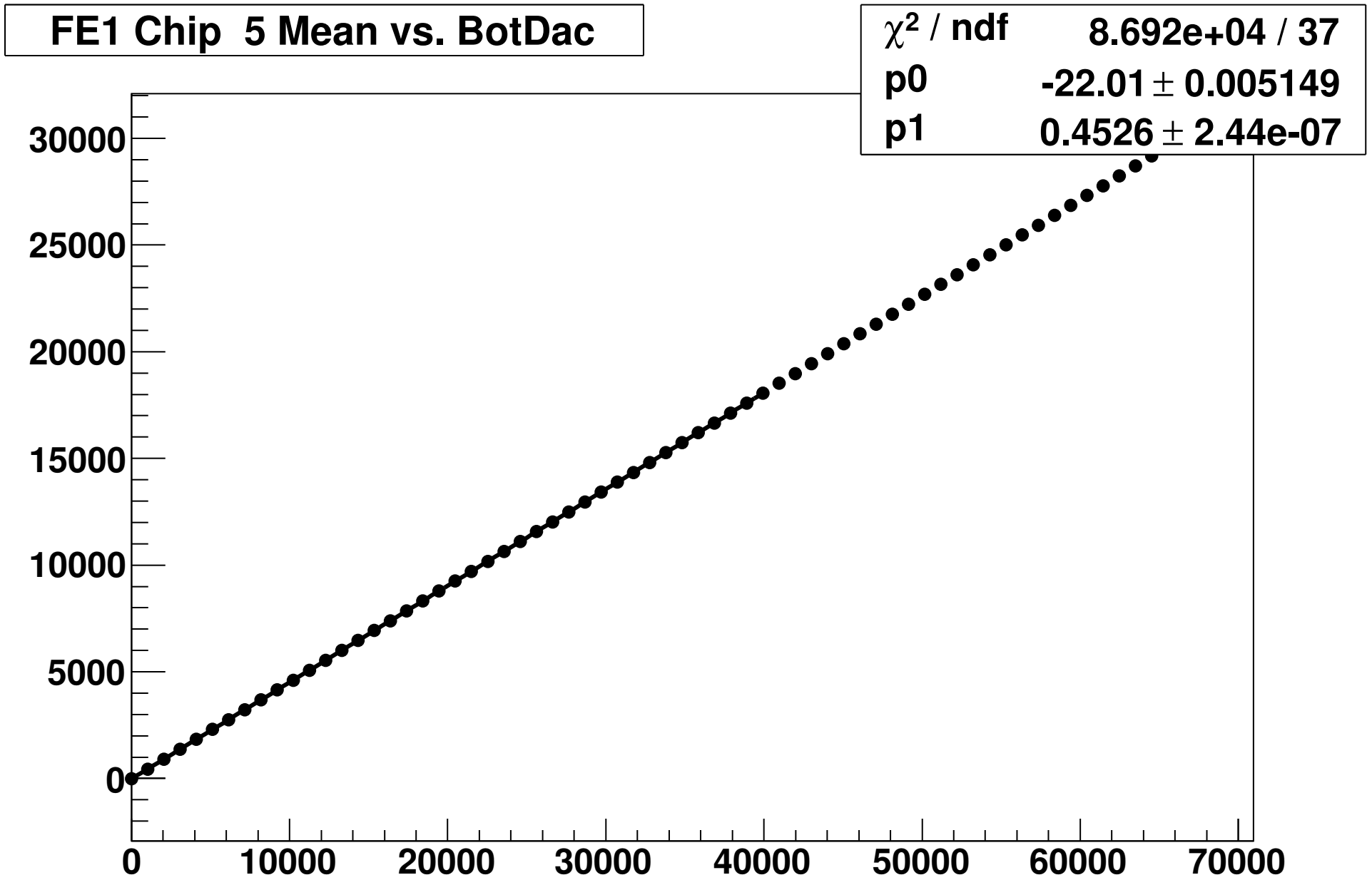
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 8.692e+04 / 37
p0 -22.01 ± 0.005149
p1 0.4526 ± 2.44e-07
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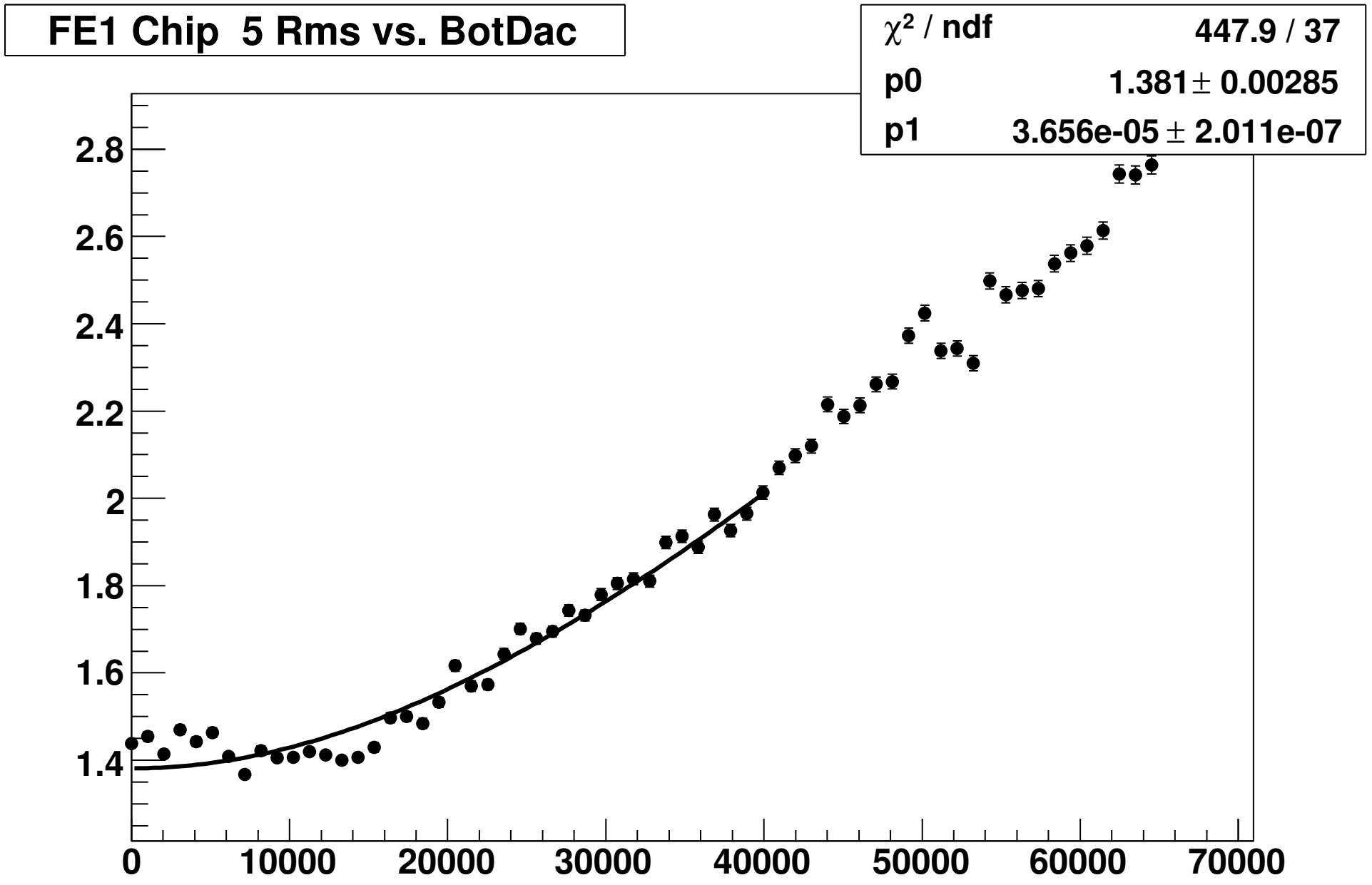
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 447.9 / 37
p0 1.381 ± 0.00285
p1 3.656e-05 ± 2.011e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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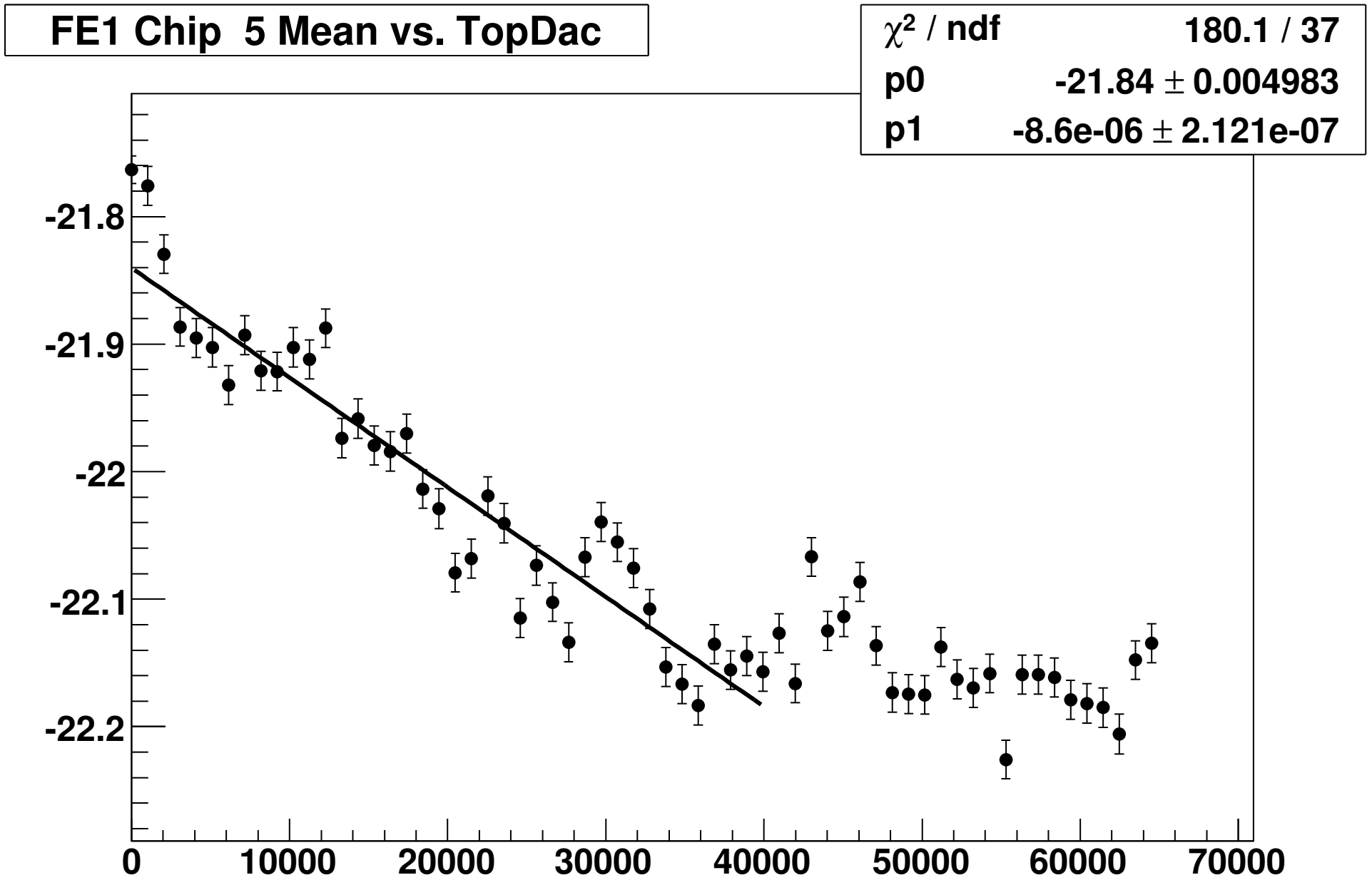
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 180.1 / 37
p0 -21.84 ± 0.004983
p1 -8.6e-06 ± 2.121e-07
-21.8
-21.9
-22
-22.1
-22.2
0
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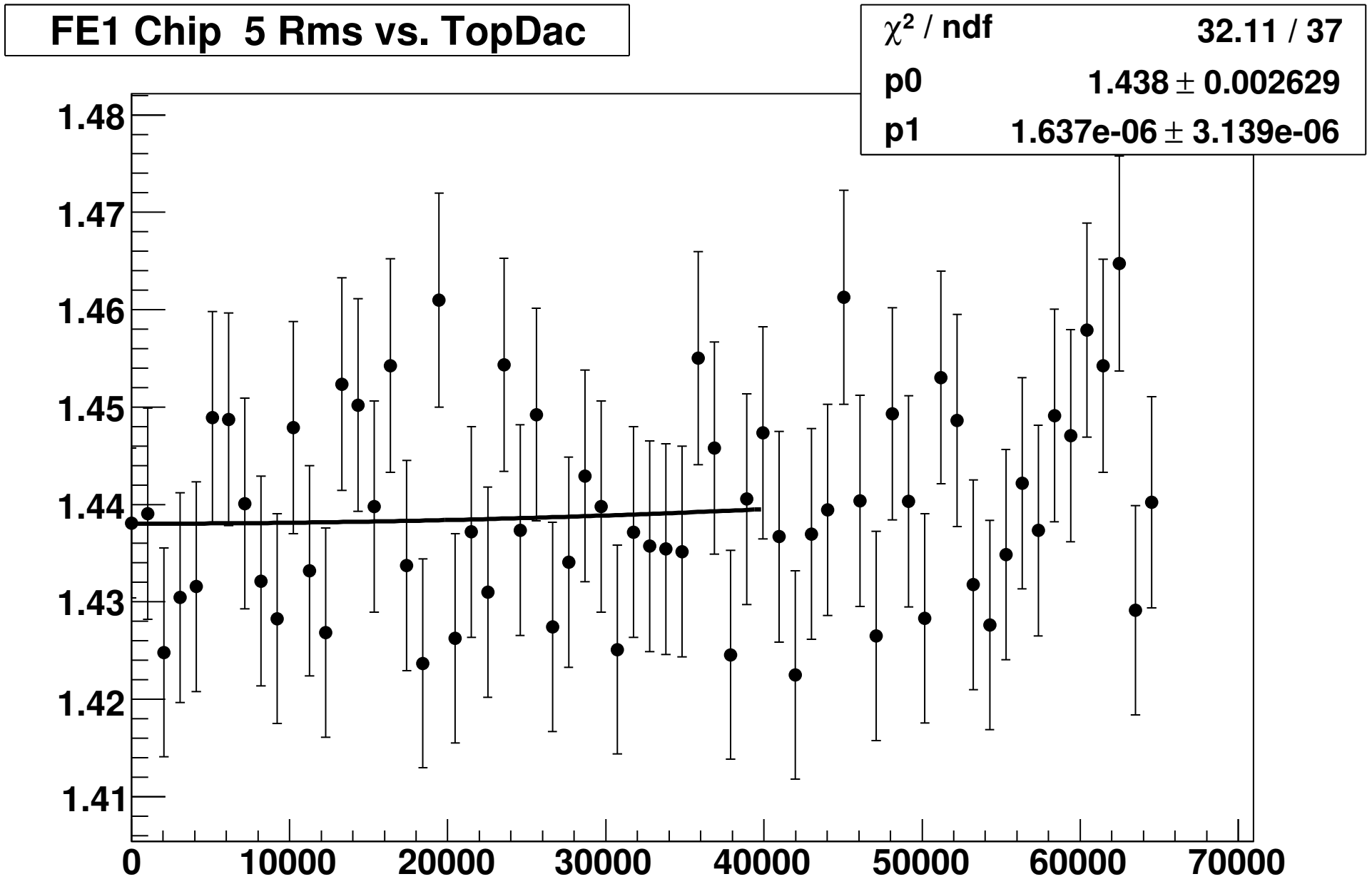
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 32.11 / 37
p0 1.438 ± 0.002629
p1 1.637e-06 ± 3.139e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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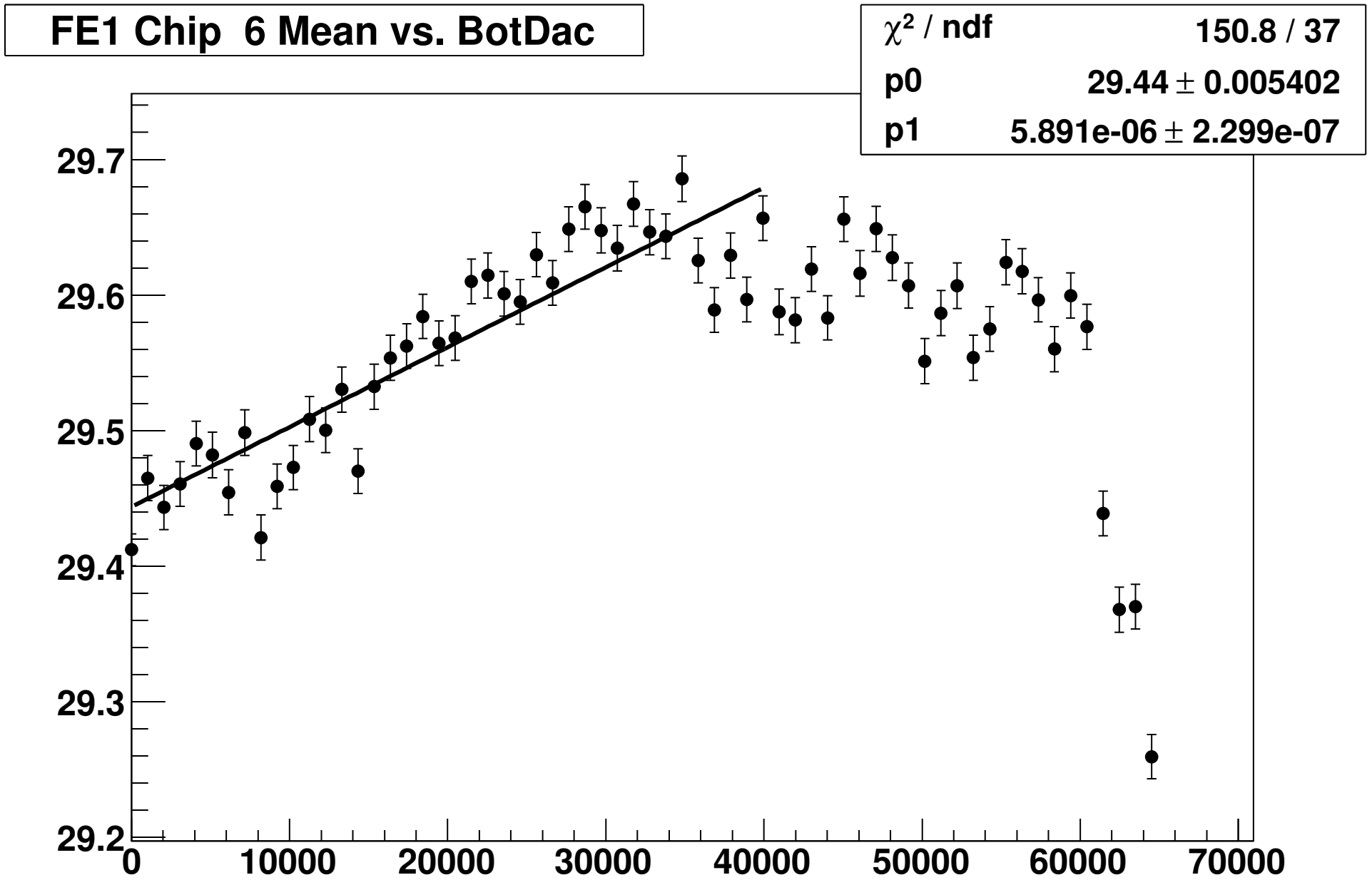
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 150.8 / 37
p0 29.44 ± 0.005402
p1 5.891e-06 ± 2.299e-07
29.7
29.6
29.5
29.4
29.3
29.2
0
10000
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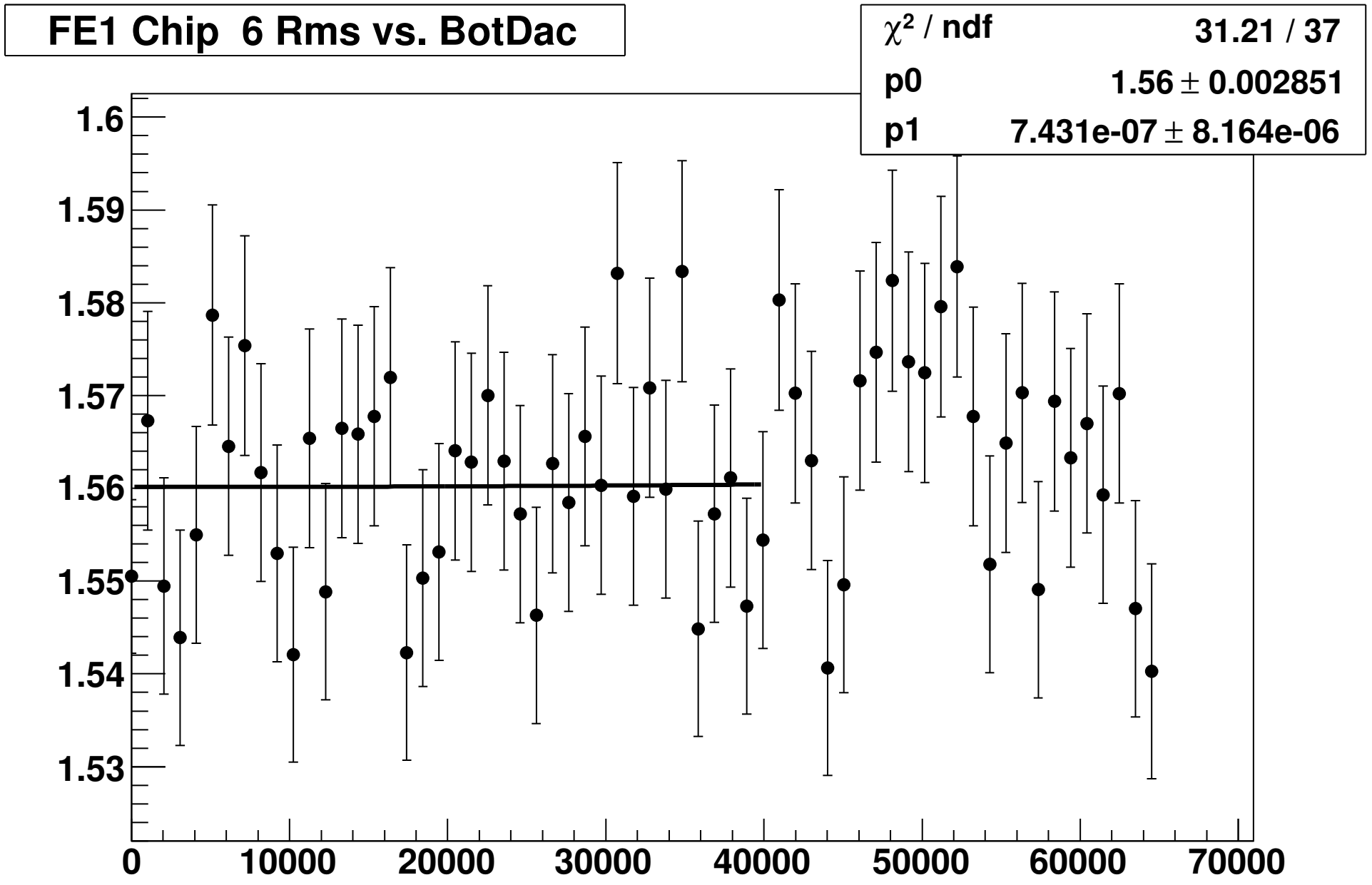
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 31.21 / 37
p0 1.56 ± 0.002851
p1 7.431e-07 ± 8.164e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
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20000
30000
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50000
60000
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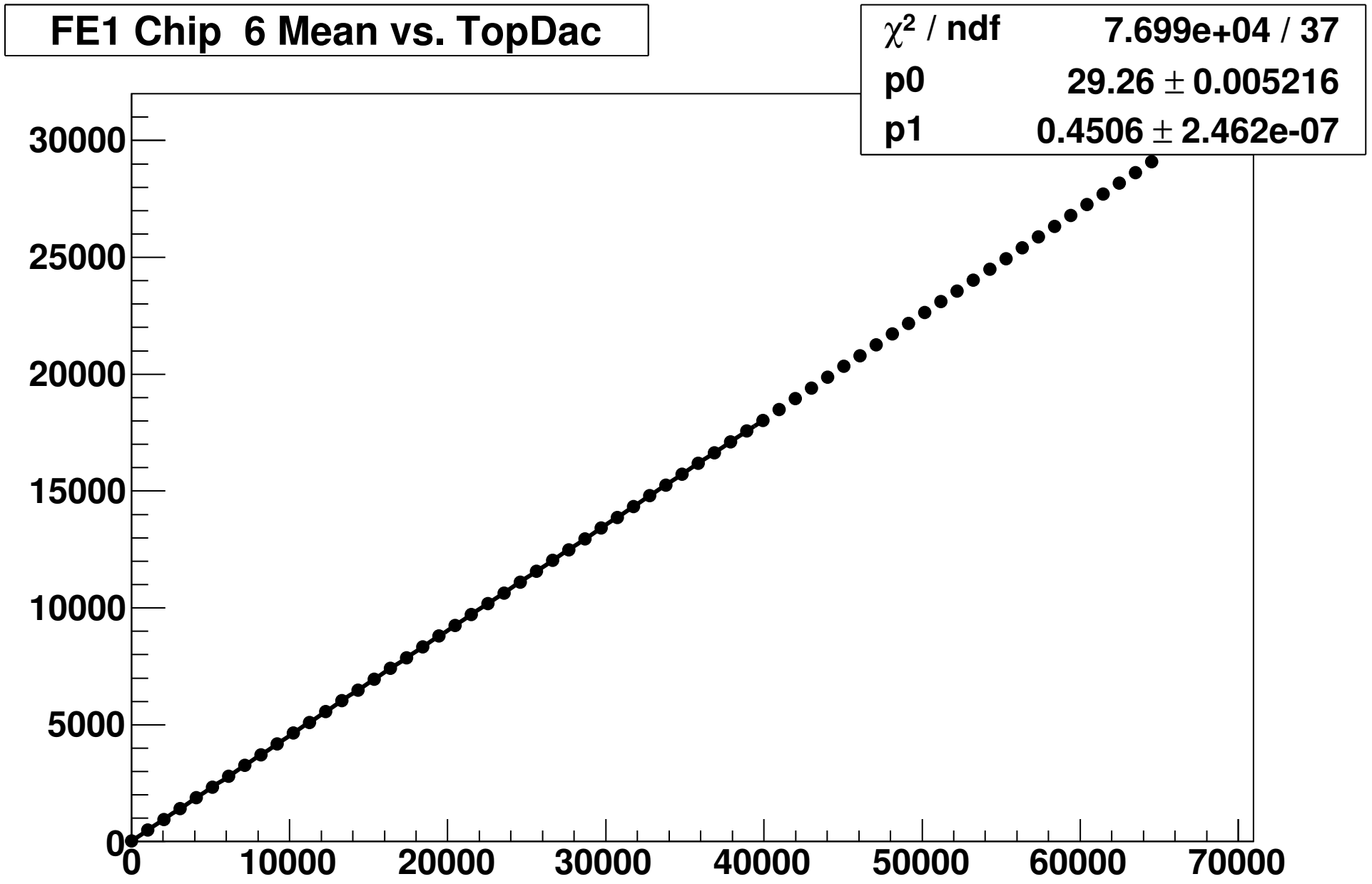
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 7.699e+04 / 37
p0 29.26 ± 0.005216
p1 0.4506 ± 2.462e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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60000
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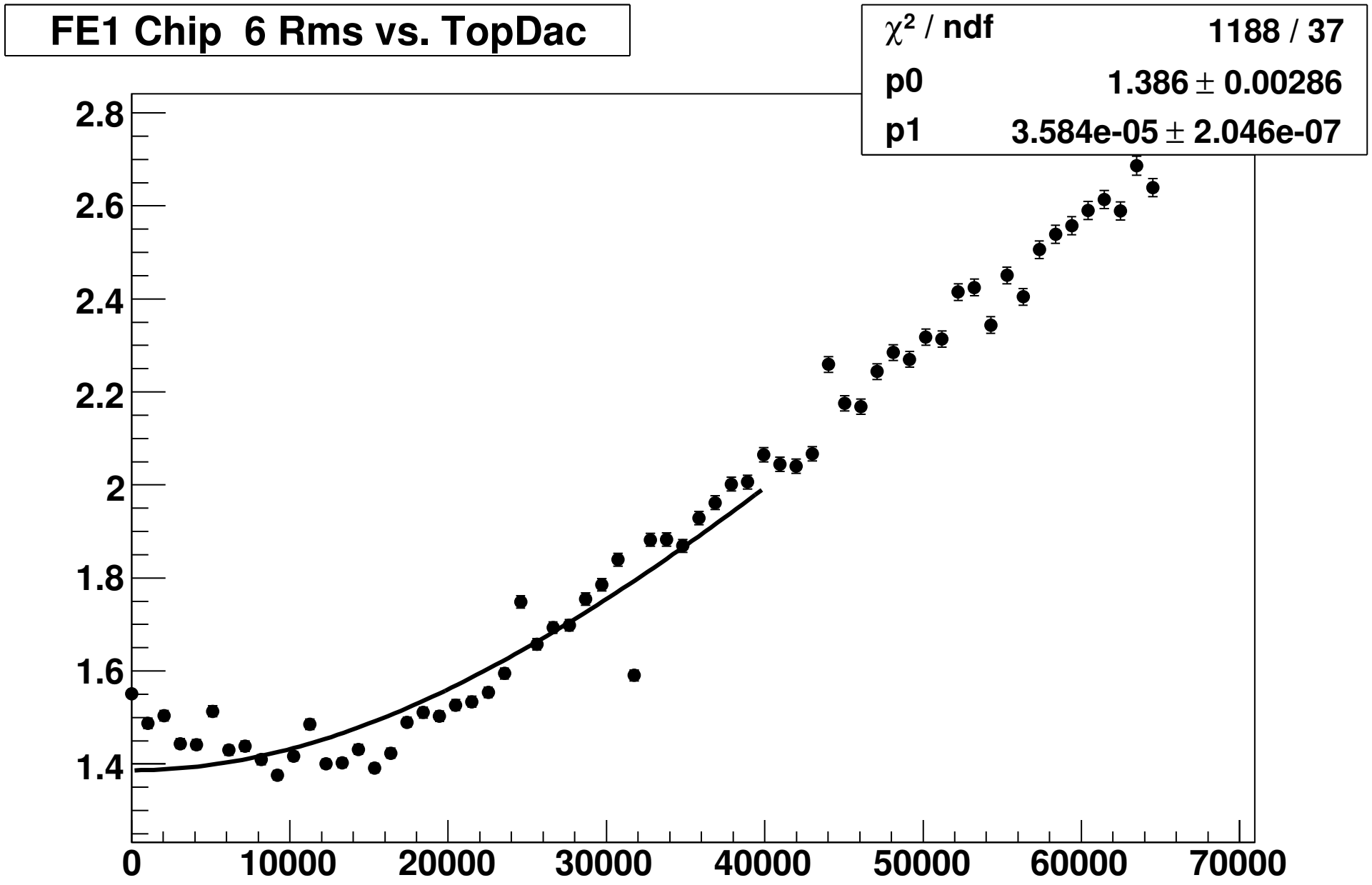
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1188 / 37
p0 1.386 ± 0.00286
p1 3.584e-05 ± 2.046e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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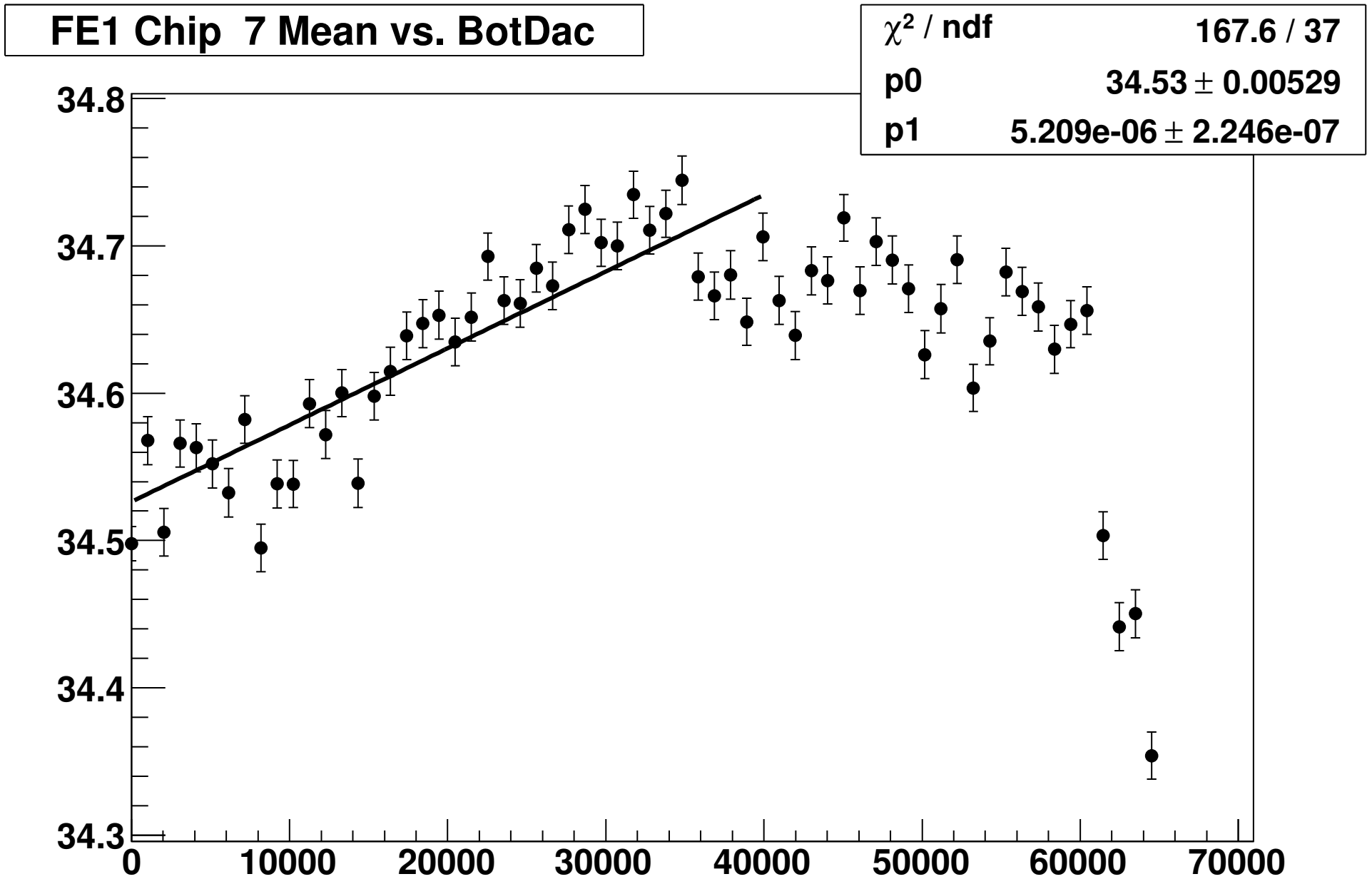
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 167.6 / 37
p0 34.53 ± 0.00529
p1 5.209e-06 ± 2.246e-07
34.8
34.7
34.6
34.5
34.4
34.3
0
10000
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60000
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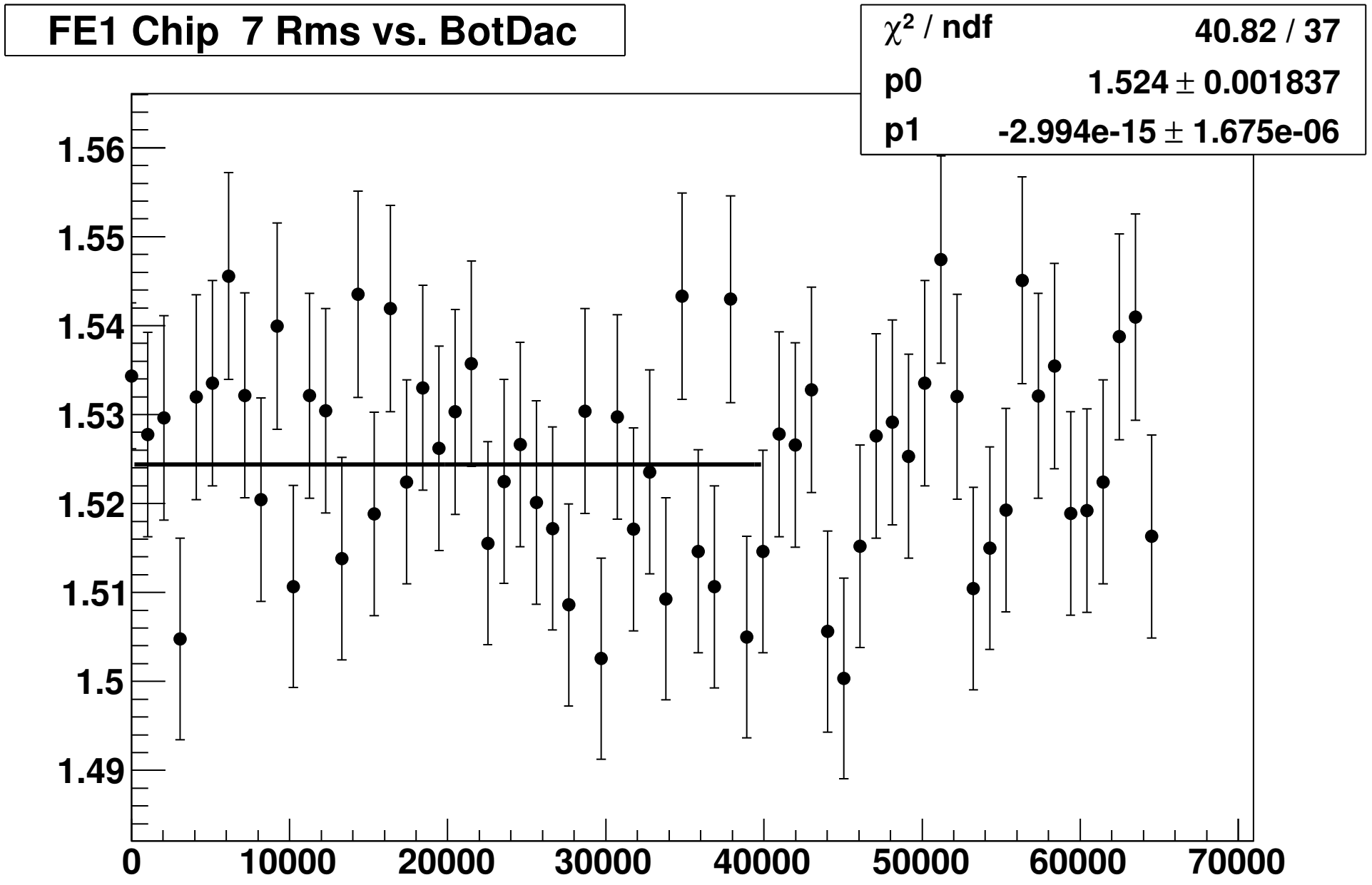
FE1 Chip 7 Rms vs. BotDac
χ² / ndf 40.82 / 37
p0 1.524 ± 0.001837
p1 -2.994e-15 ± 1.675e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
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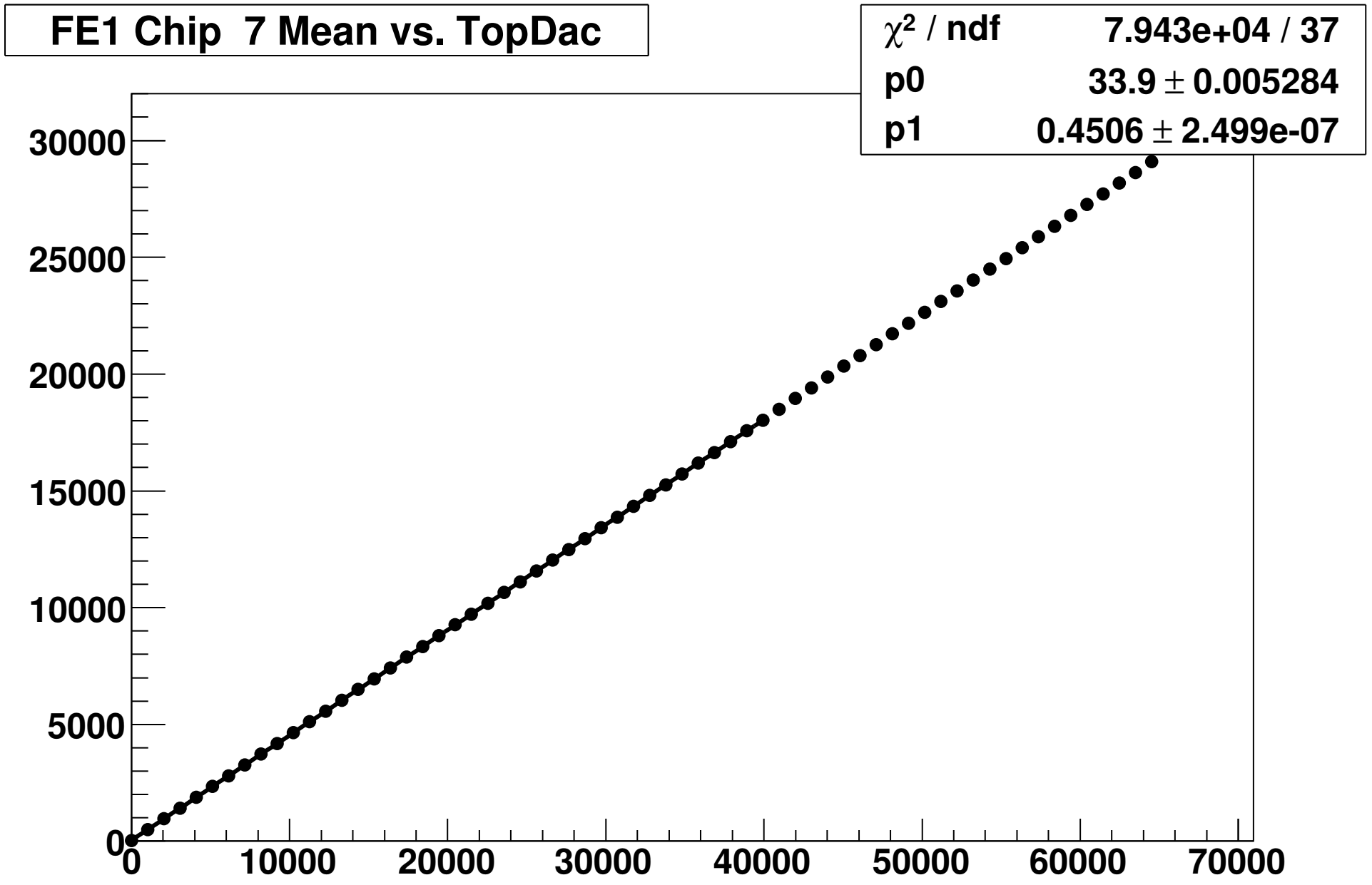
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 7.943e+04 / 37
p0 33.9 ± 0.005284
p1 0.4506 ± 2.499e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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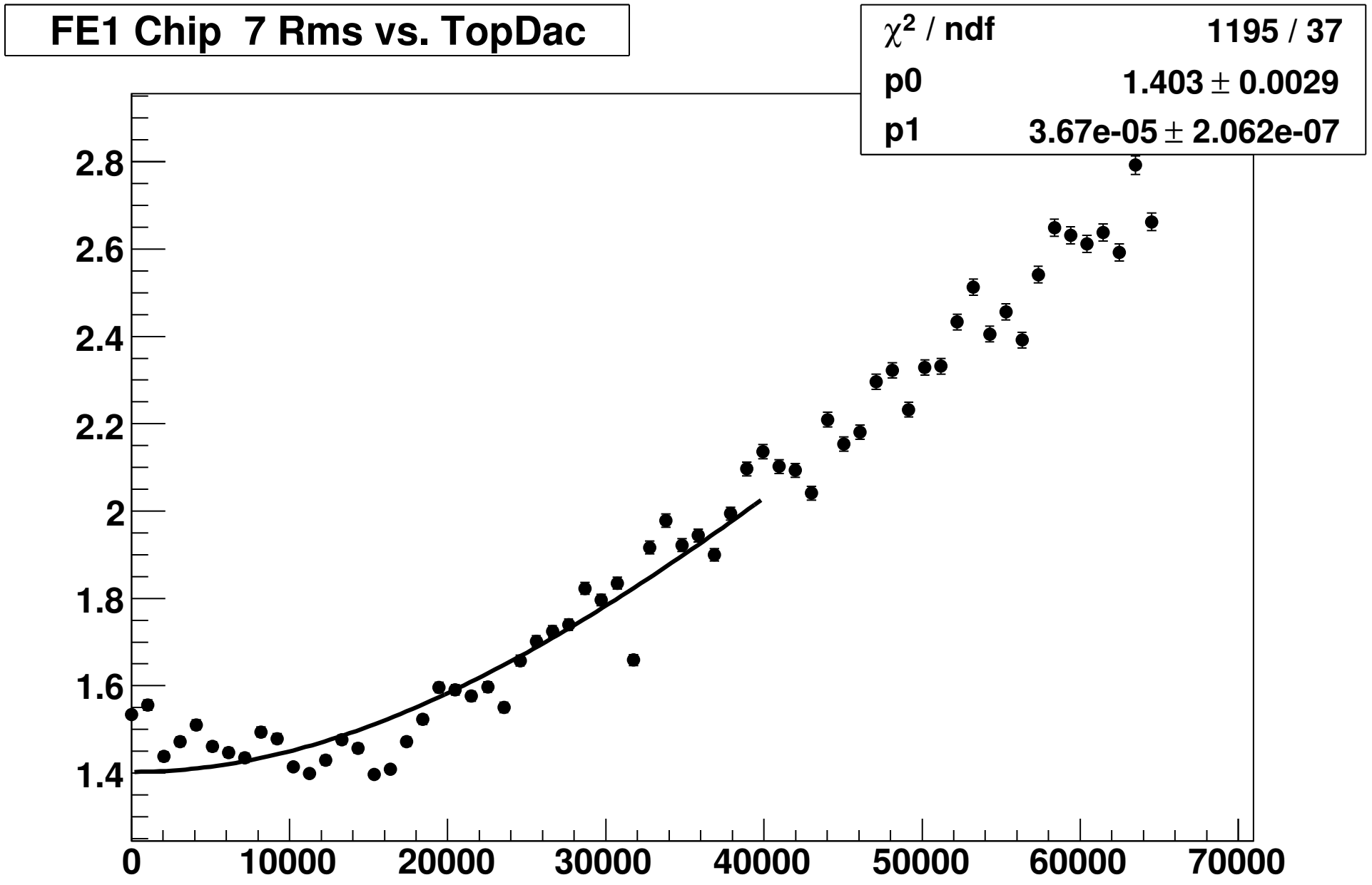
FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1195 / 37
p0 1.403 ± 0.0029
p1 3.67e-05 ± 2.062e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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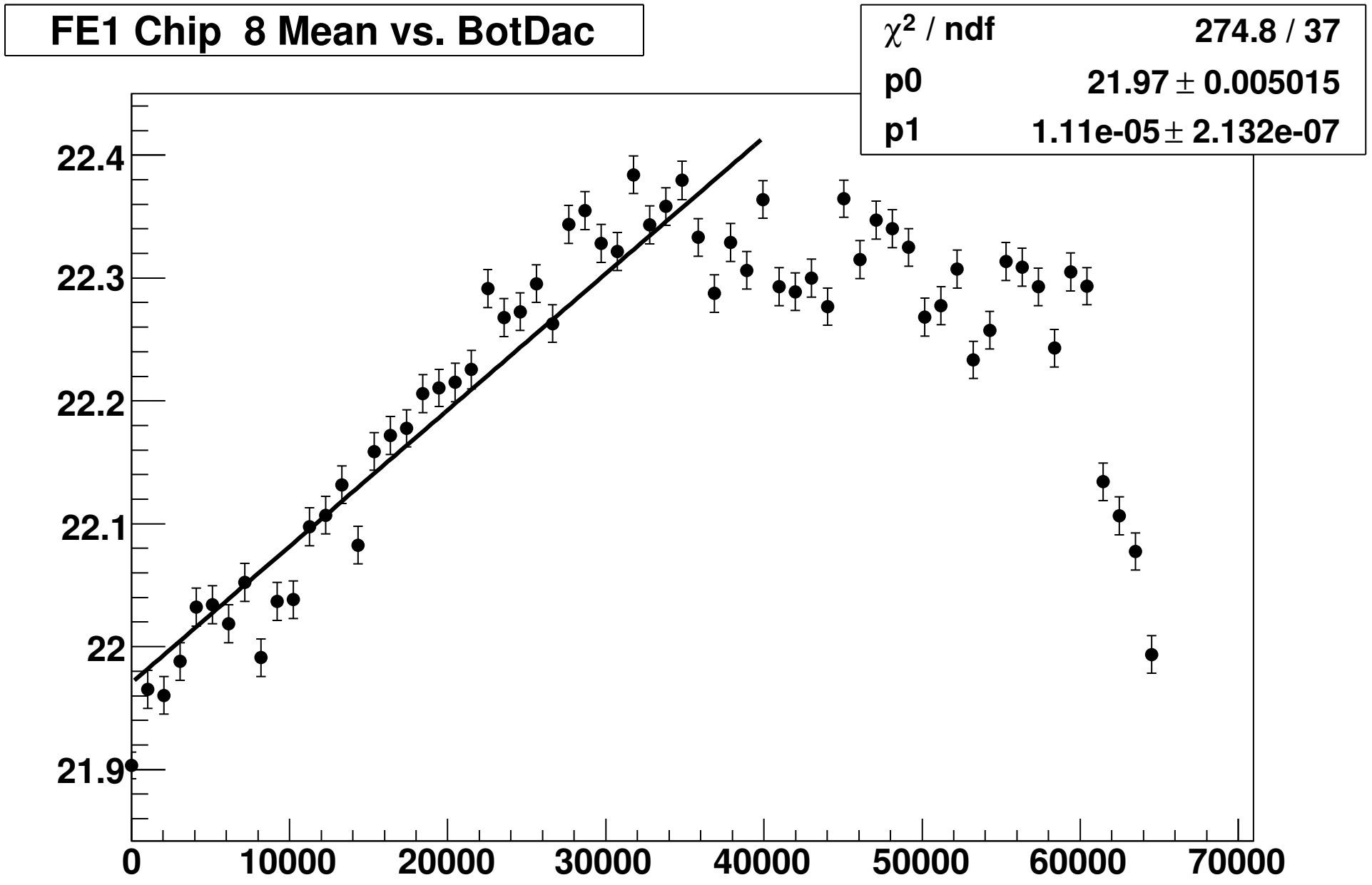
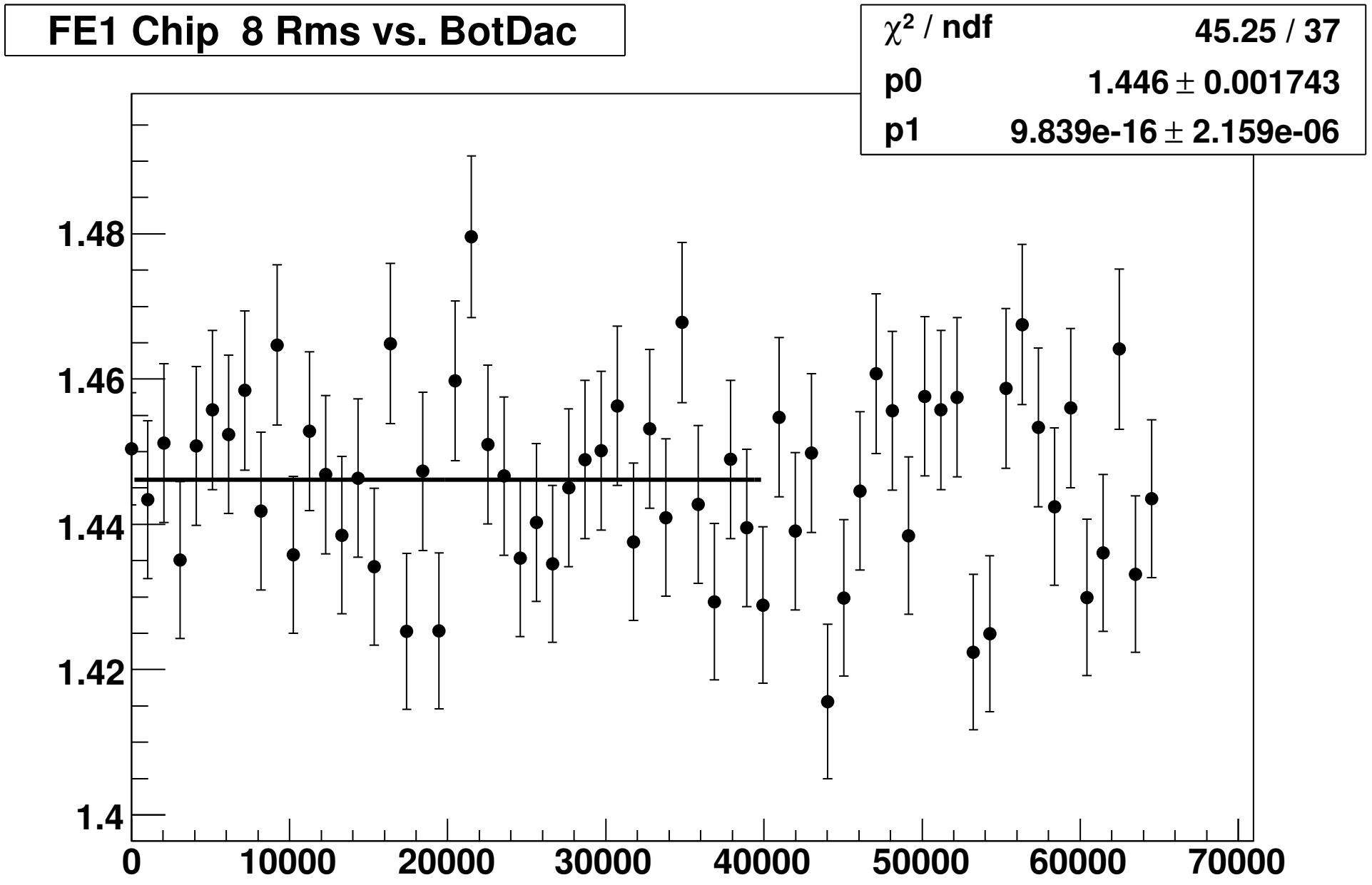
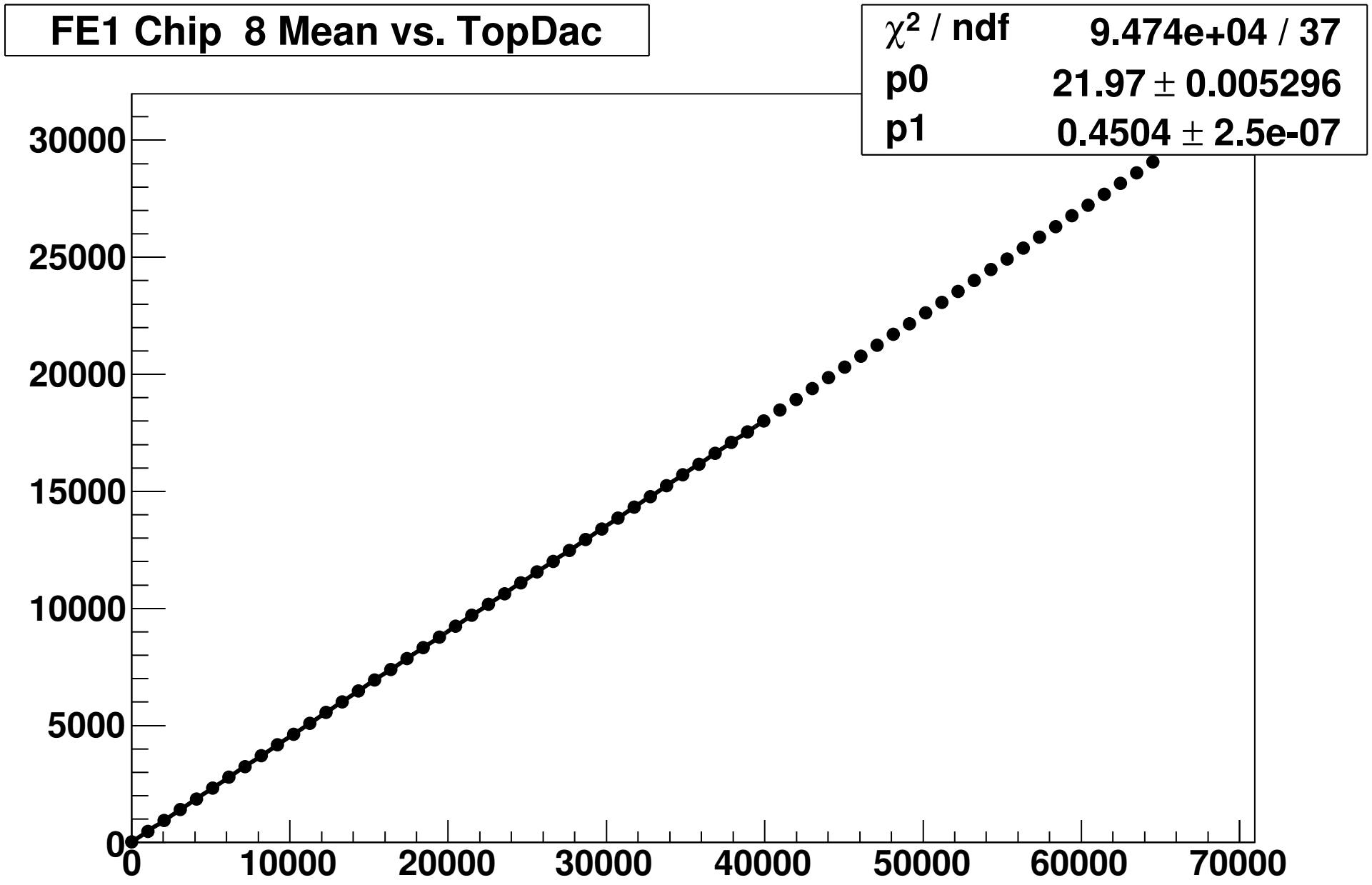

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 274.8 / 37
p0 21.97 ± 0.005015
p1 1.11e-05 ± 2.132e-07
22.4
22.3
22.2
22.1
22
21.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 45.25 / 37
p0 1.446 ± 0.001743
p1 9.839e-16 ± 2.159e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 9.474e+04 / 37
p0 21.97 ± 0.005296
p1 0.4504 ± 2.5e-07
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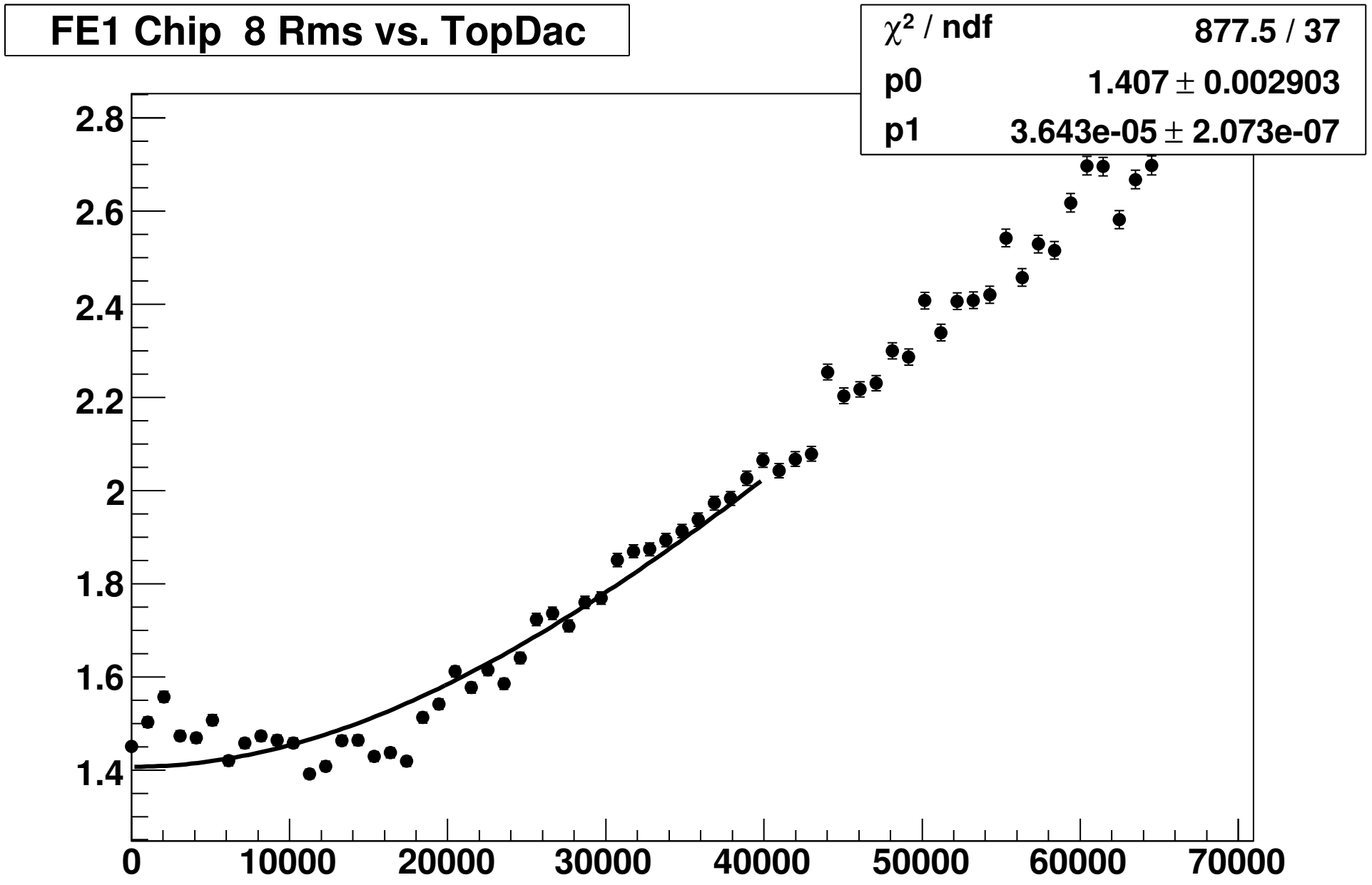
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 877.5 / 37
p0 1.407 ± 0.002903
p1 3.643e-05 ± 2.073e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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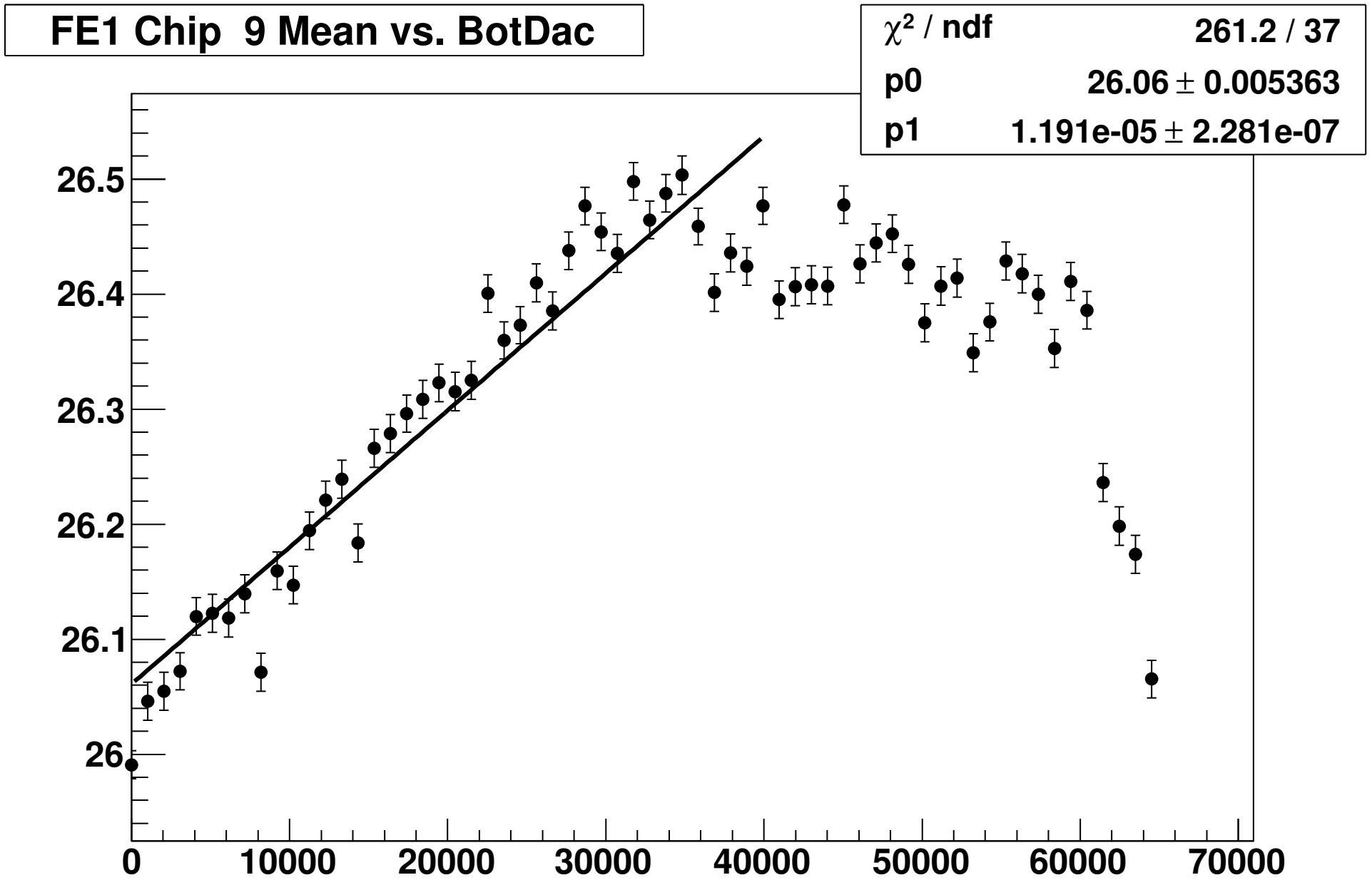
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 261.2 / 37
p0 26.06 ± 0.005363
p1 1.191e-05 ± 2.281e-07
26.5
26.4
26.3
26.2
26.1
26
0
10000
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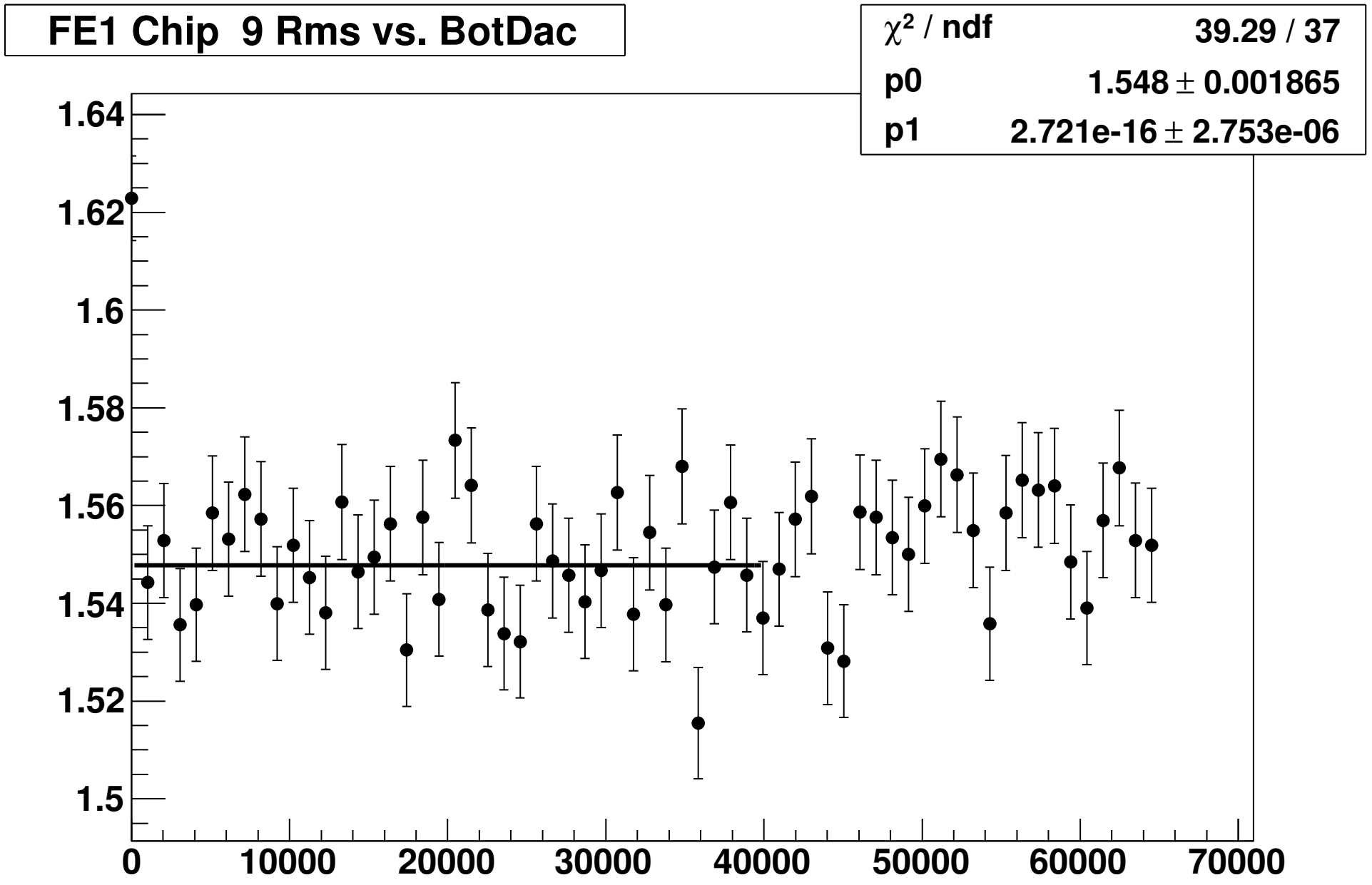
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 39.29 / 37
p0 1.548 ± 0.001865
p1 2.721e-16 ± 2.753e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
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20000
30000
40000
50000
60000
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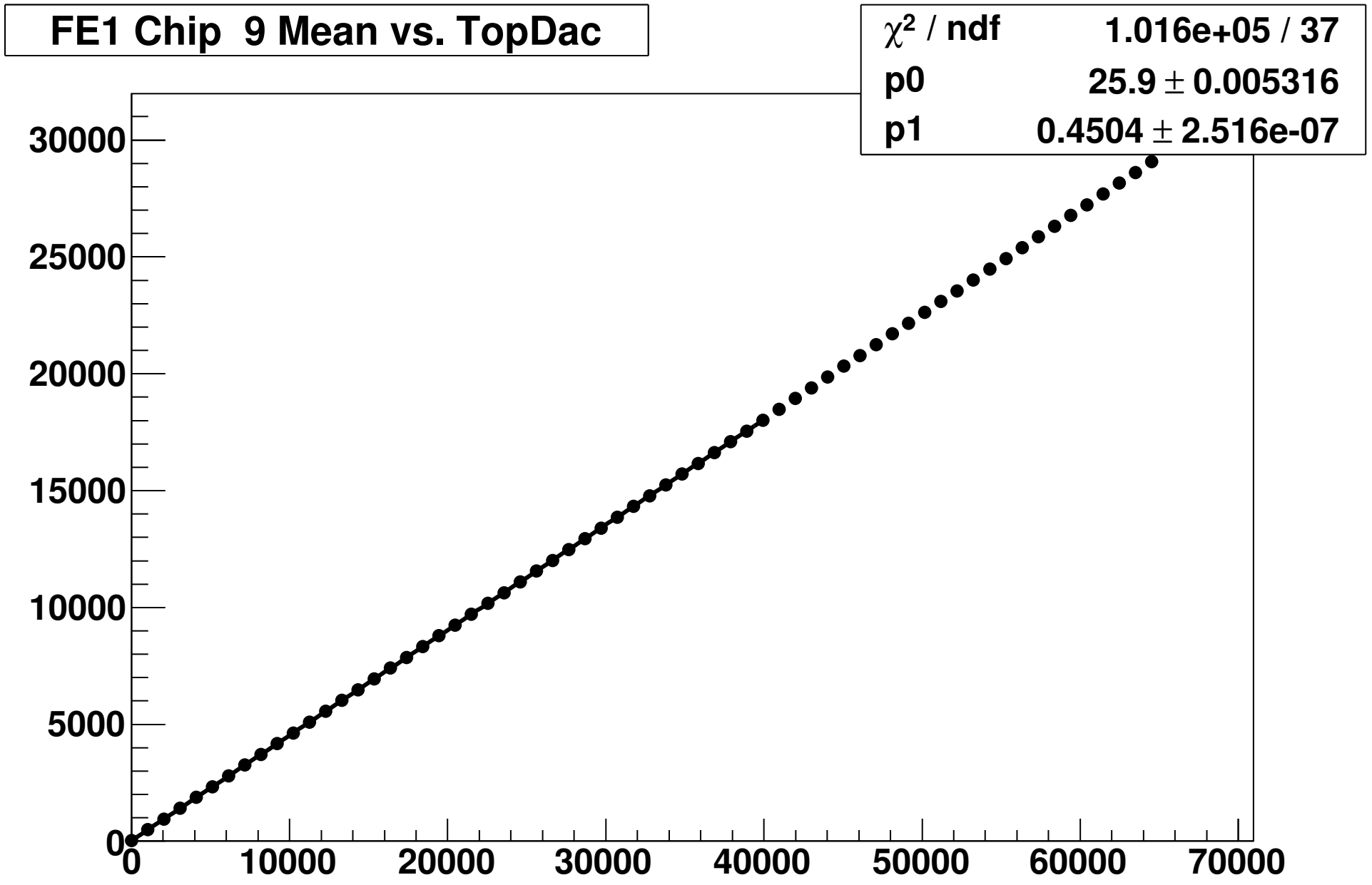
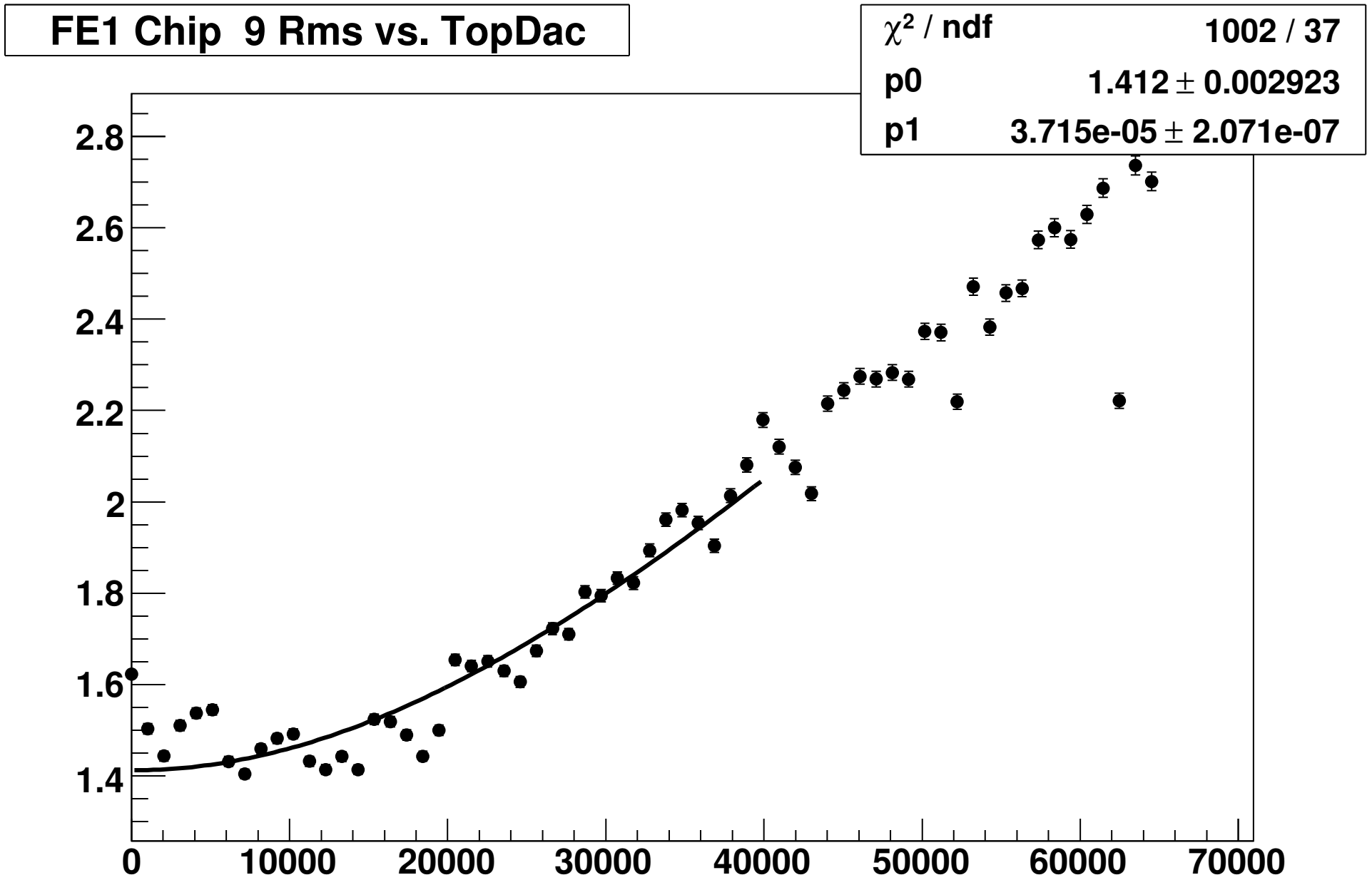

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.016e+05 / 37
p0 25.9 ± 0.005316
p1 0.4504 ± 2.516e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1002 / 37
p0 1.412 ± 0.002923
p1 3.715e-05 ± 2.071e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
60000
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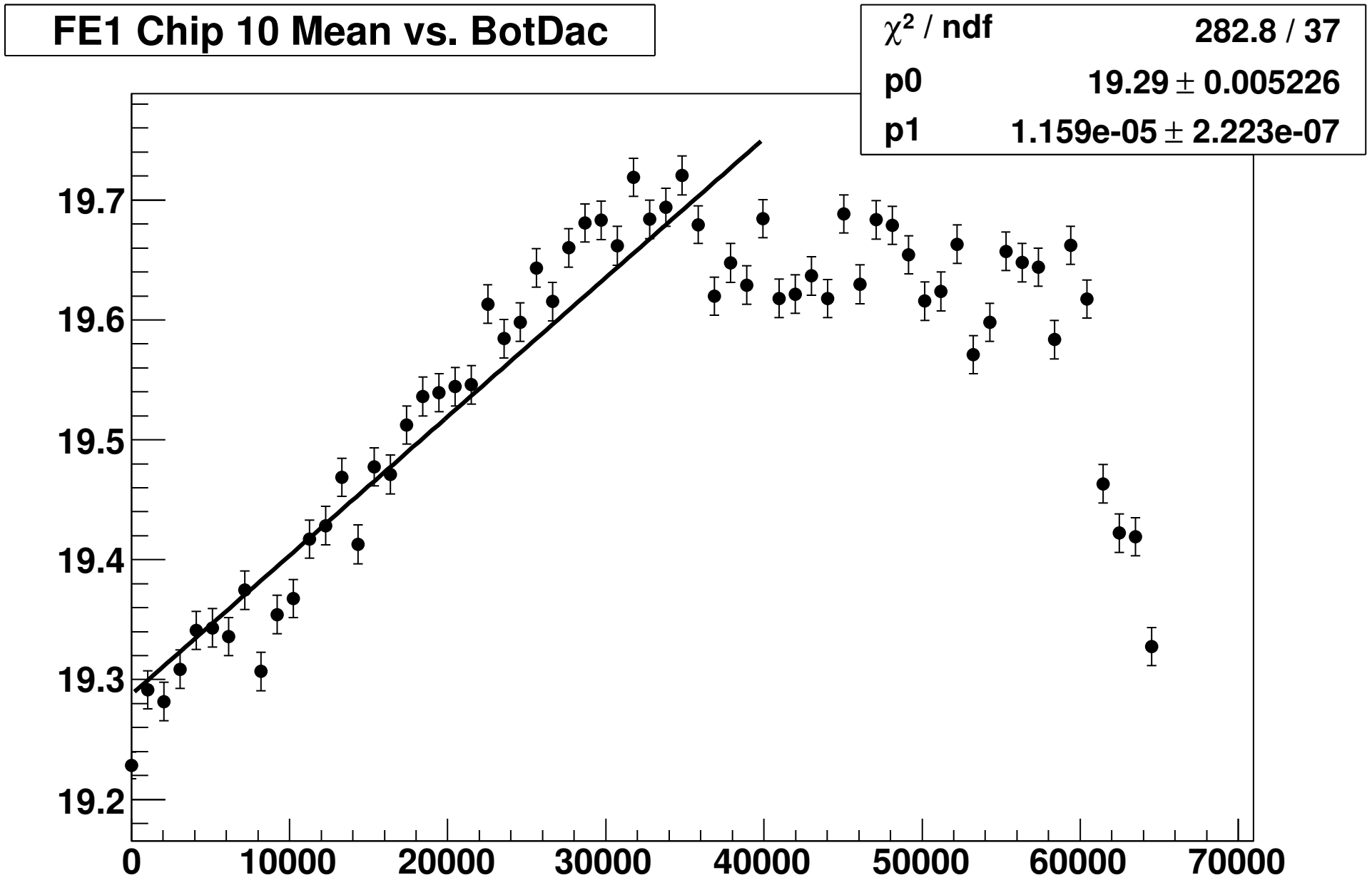
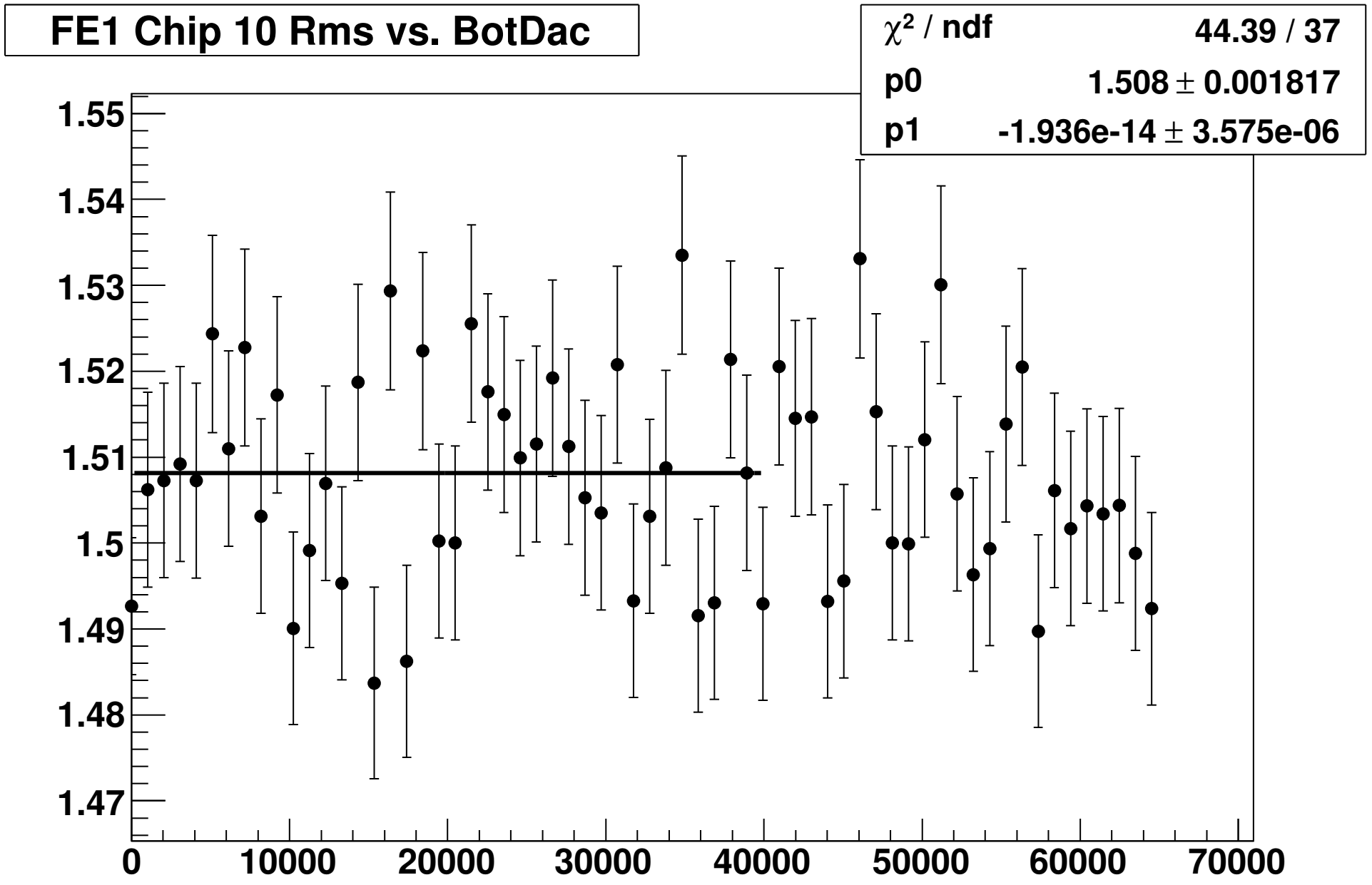

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 282.8 / 37
p0 19.29 ± 0.005226
p1 1.159e-05 ± 2.223e-07
19.7
19.6
19.5
19.4
19.3
19.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 44.39 / 37
p0 1.508 ± 0.001817
p1 -1.936e-14 ± 3.575e-06
1.55
1.54
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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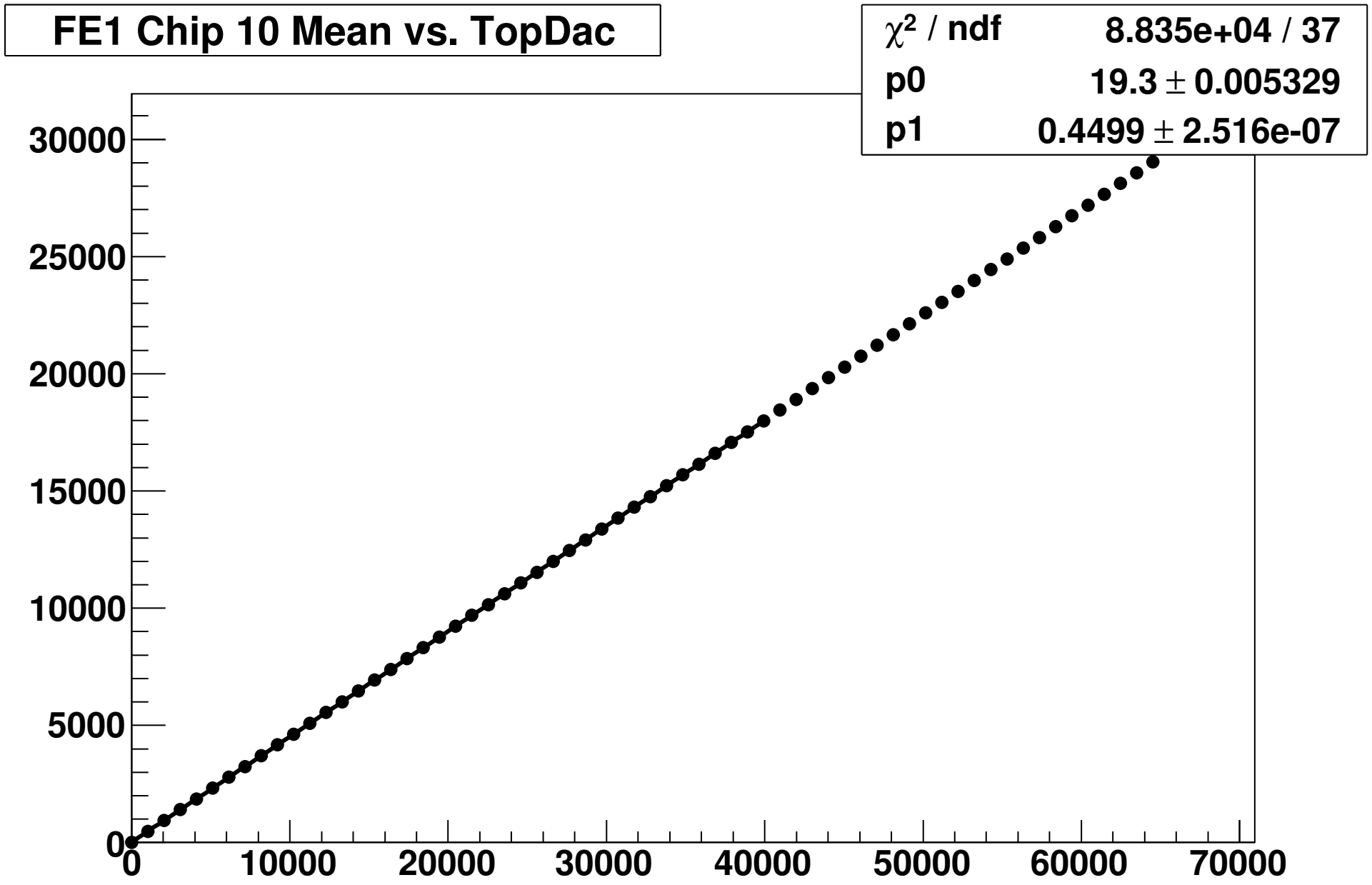
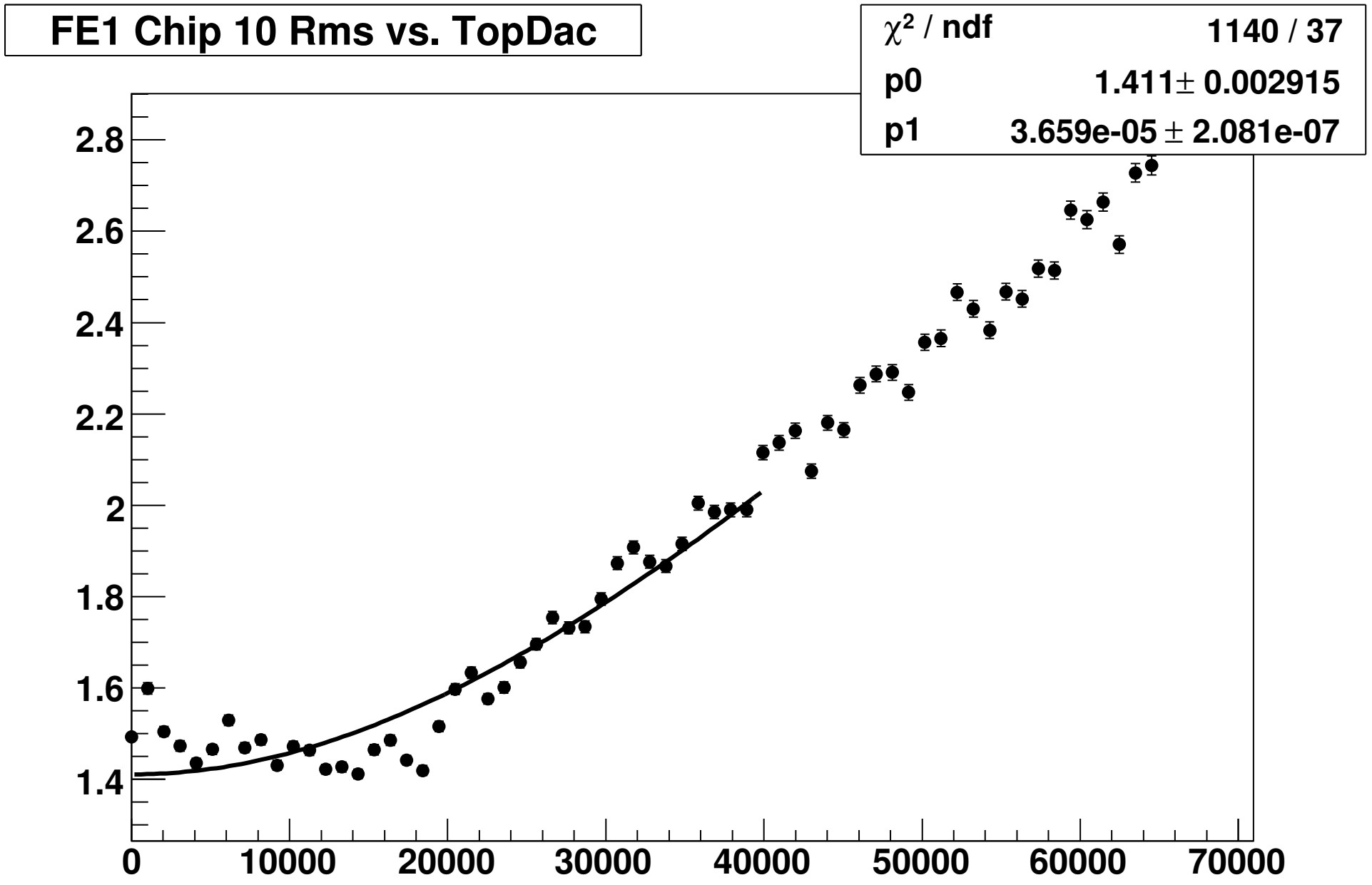
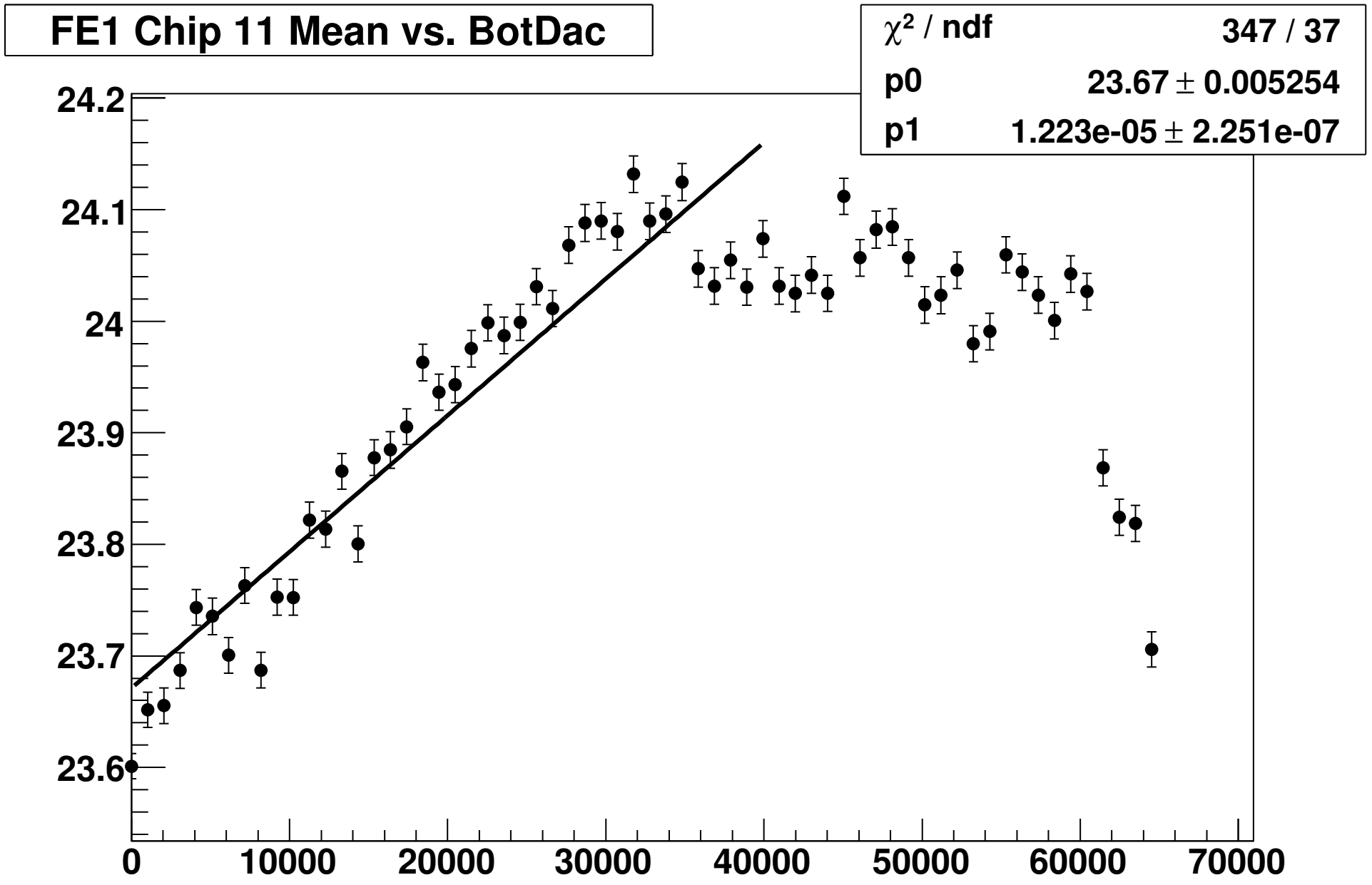
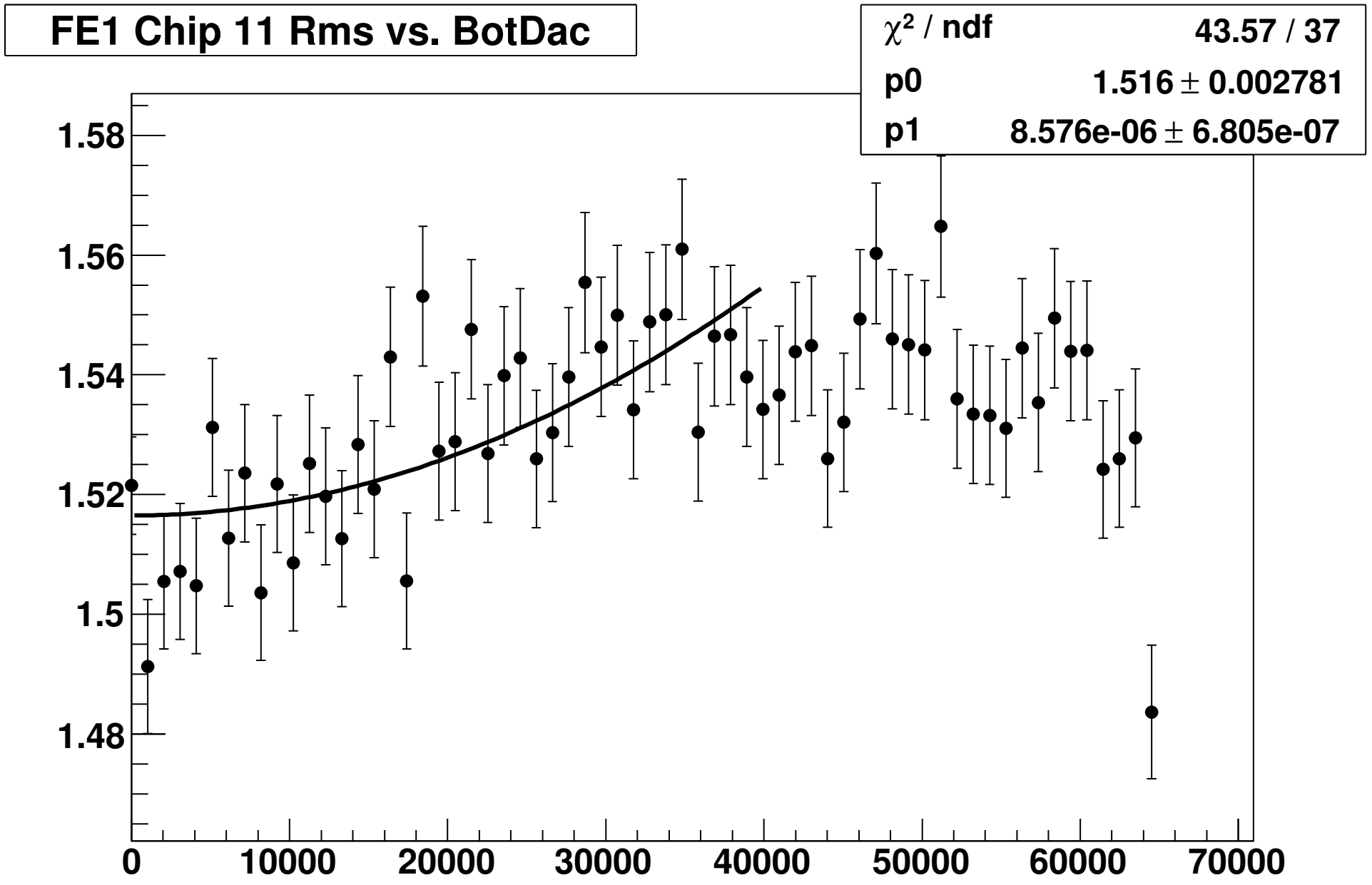

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.835e+04 / 37
p0 19.3 ± 0.005329
p1 0.4499 ± 2.516e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1140 / 37
p0 1.411 ± 0.002915
p1 3.659e-05 ± 2.081e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 347 / 37
p0 23.67 ± 0.005254
p1 1.223e-05 ± 2.251e-07
24.2
24.1
24
23.9
23.8
23.7
23.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 43.57 / 37
p0 1.516 ± 0.002781
p1 8.576e-06 ± 6.805e-07
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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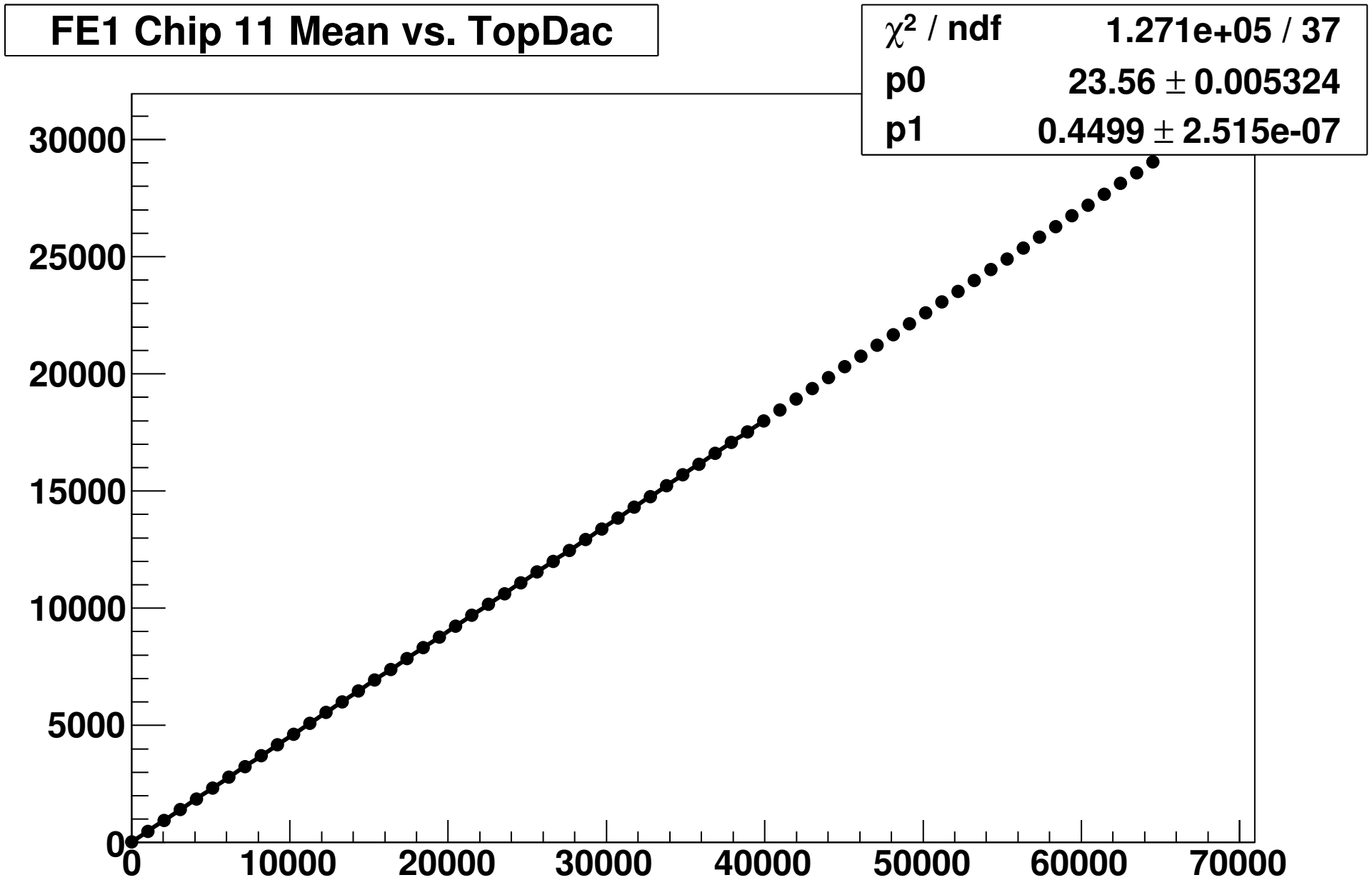
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.271e+05 / 37
p0 23.56 ± 0.005324
p1 0.4499 ± 2.515e-07
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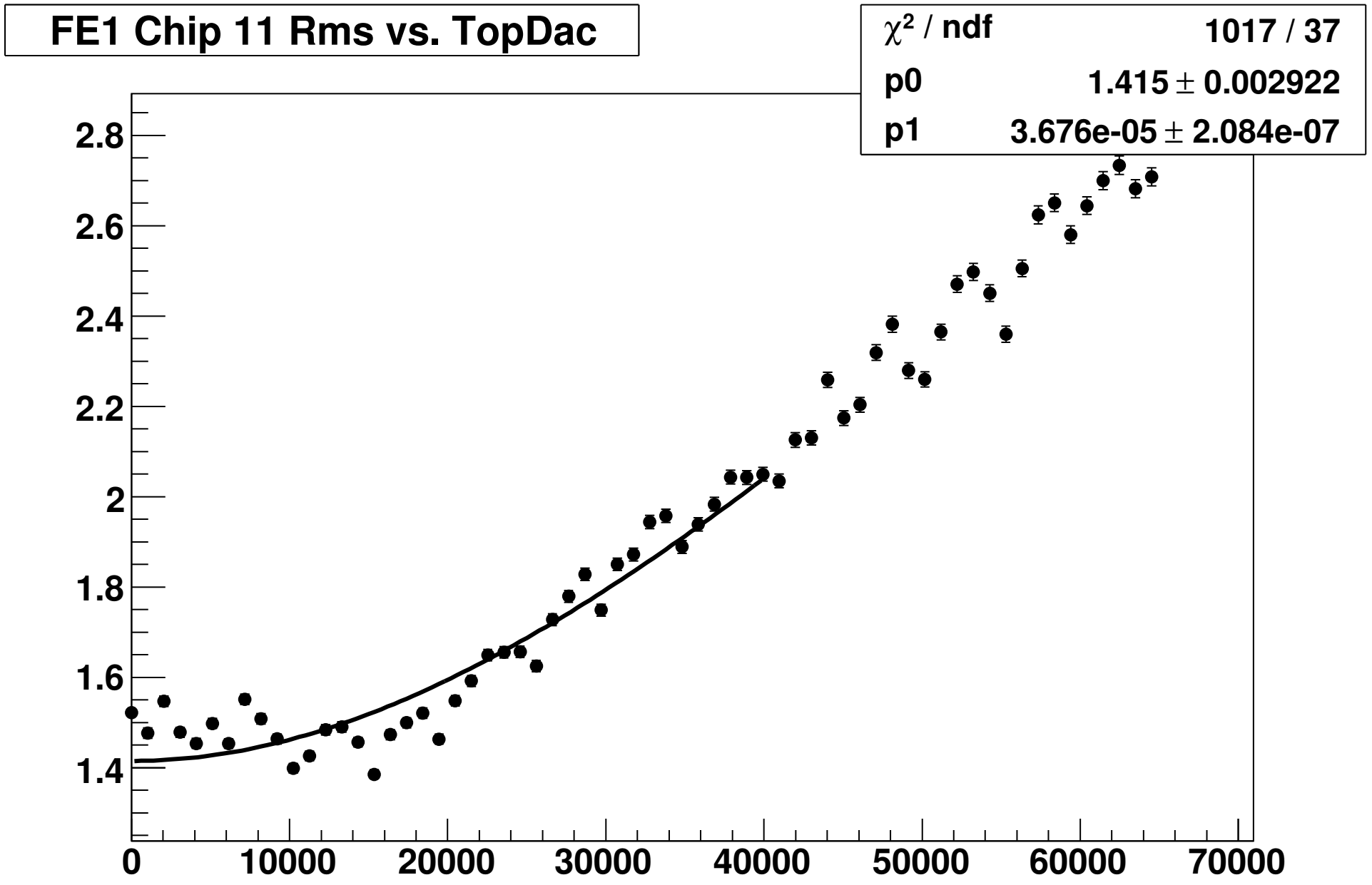
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1017 / 37
p0 1.415 ± 0.002922
p1 3.676e-05 ± 2.084e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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40000
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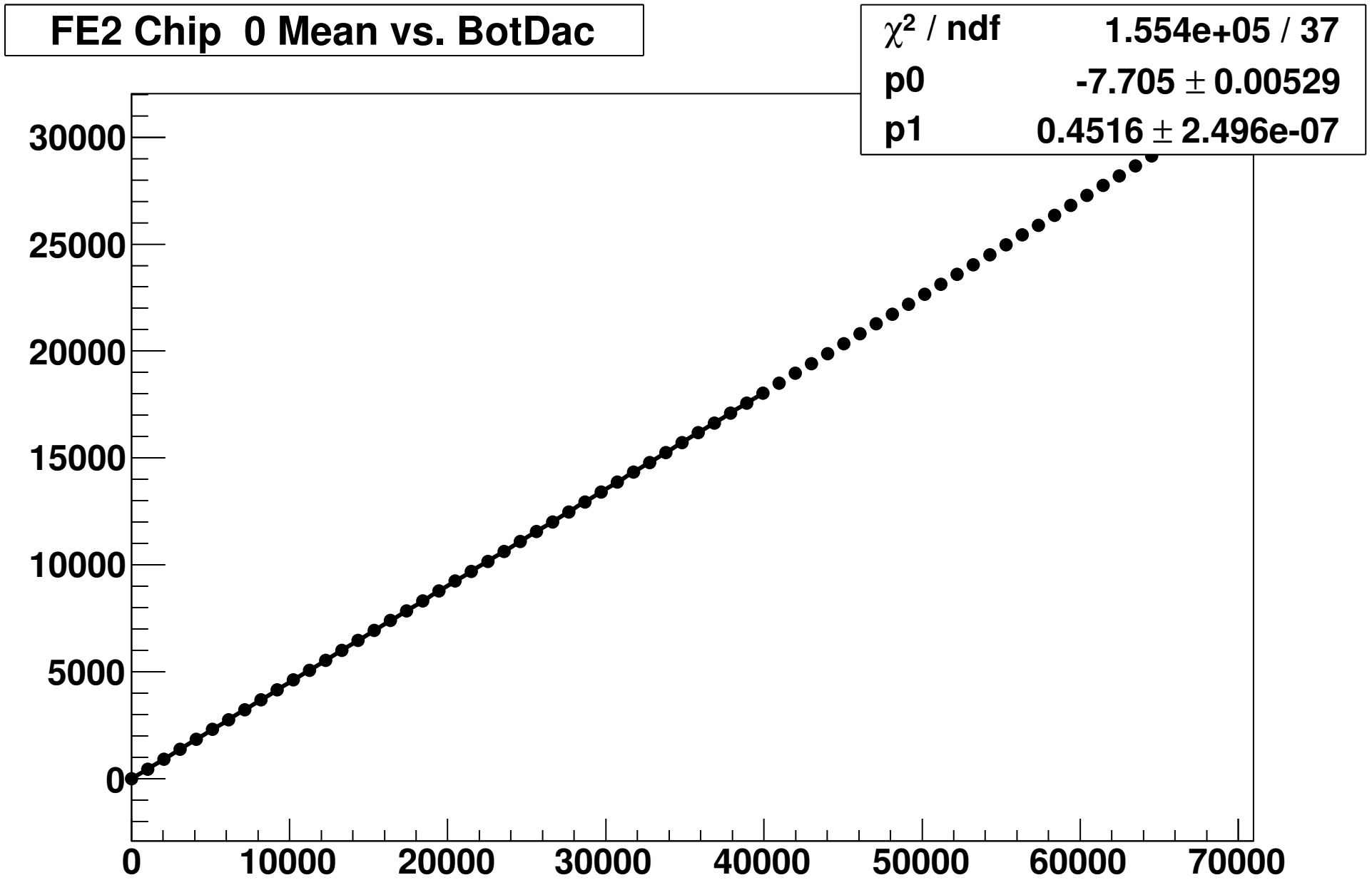
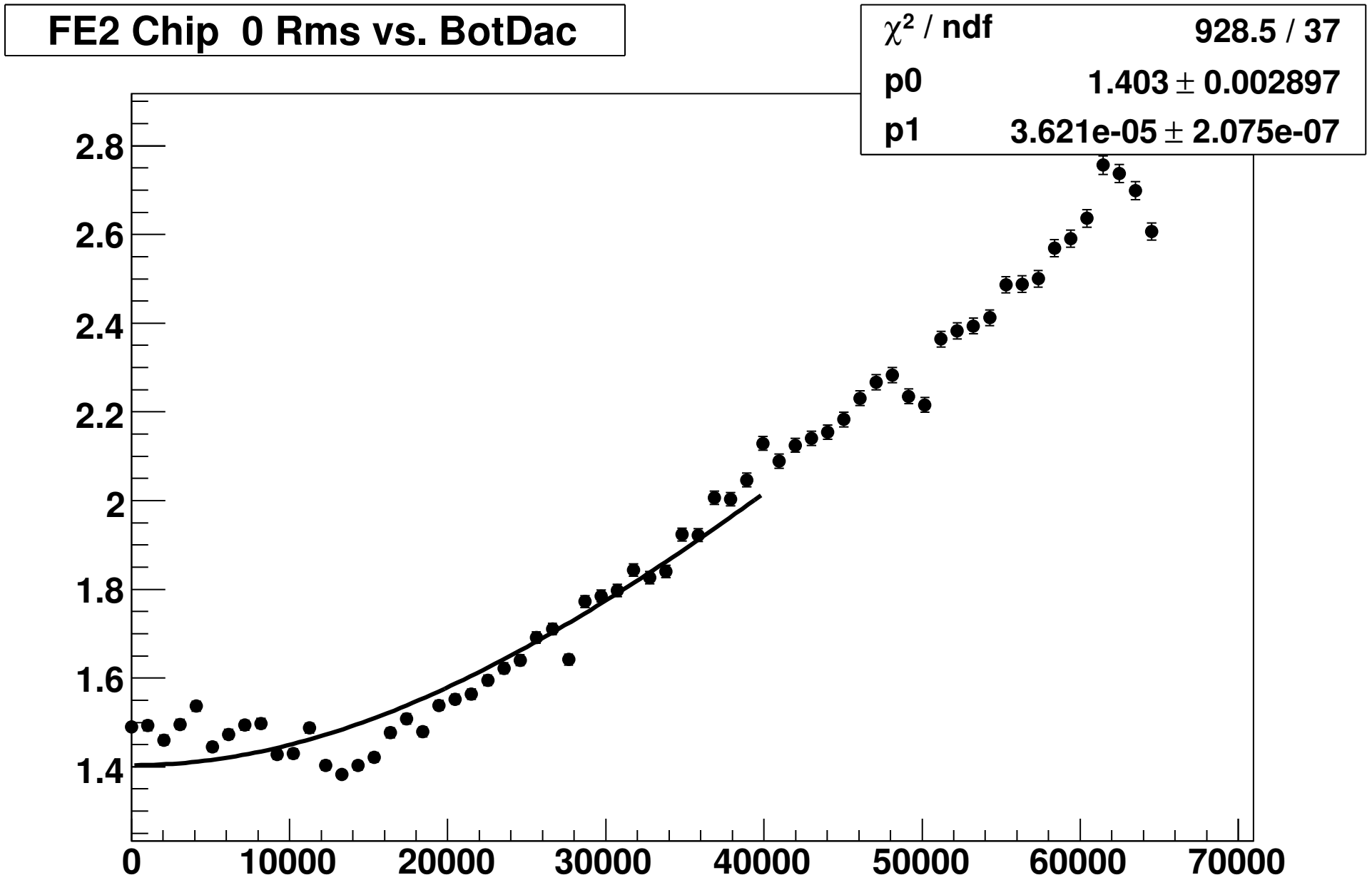

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.554e+05 / 37
p0 -7.705 ± 0.00529
p1 0.4516 ± 2.496e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 928.5 / 37
p0 1.403 ± 0.002897
p1 3.621e-05 ± 2.075e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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60000
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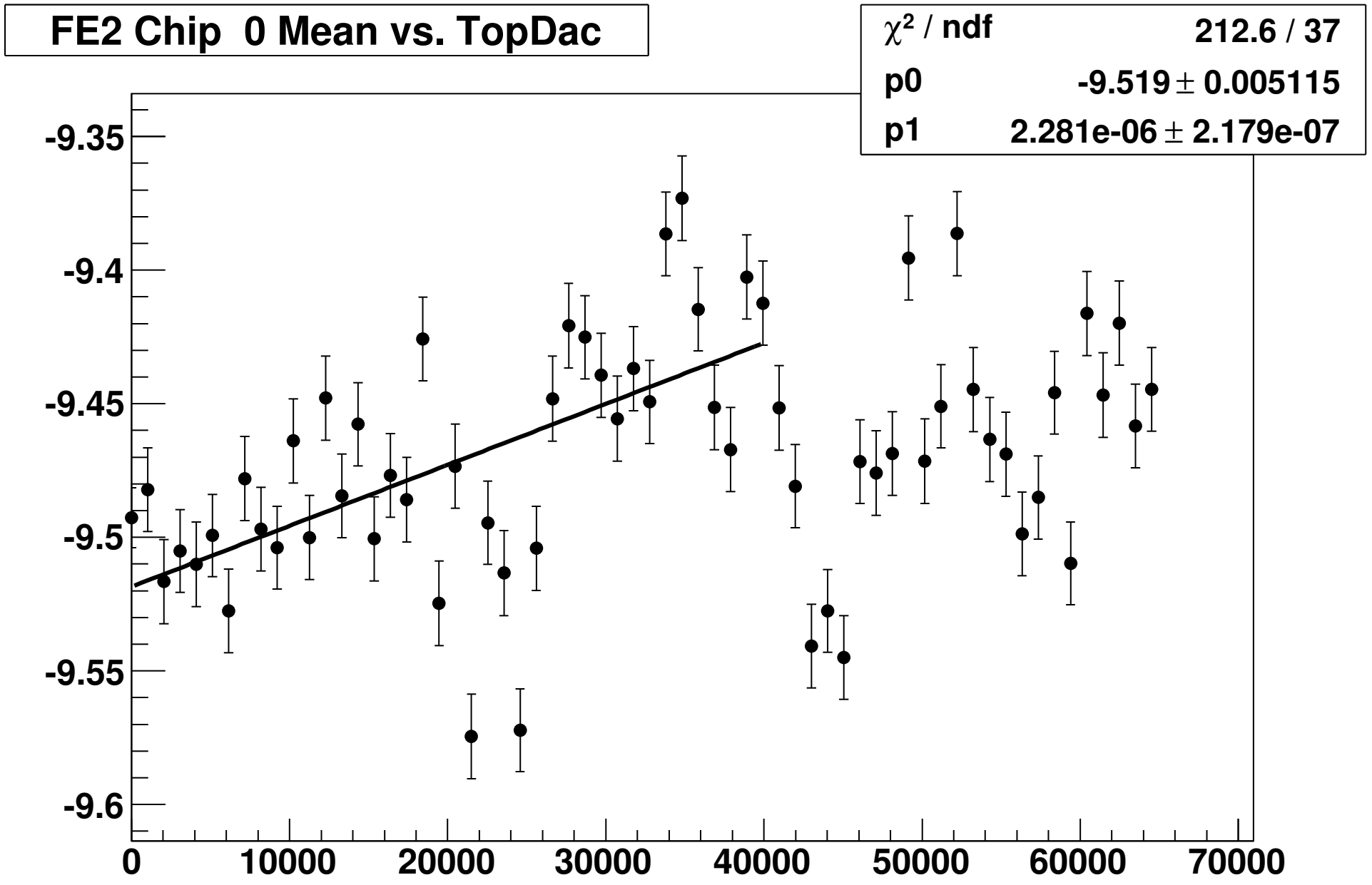
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 212.6 / 37
p0 -9.519 ± 0.005115
p1 2.281e-06 ± 2.179e-07
-9.35
-9.4
-9.45
-9.5
-9.55
-9.6
0
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40000
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60000
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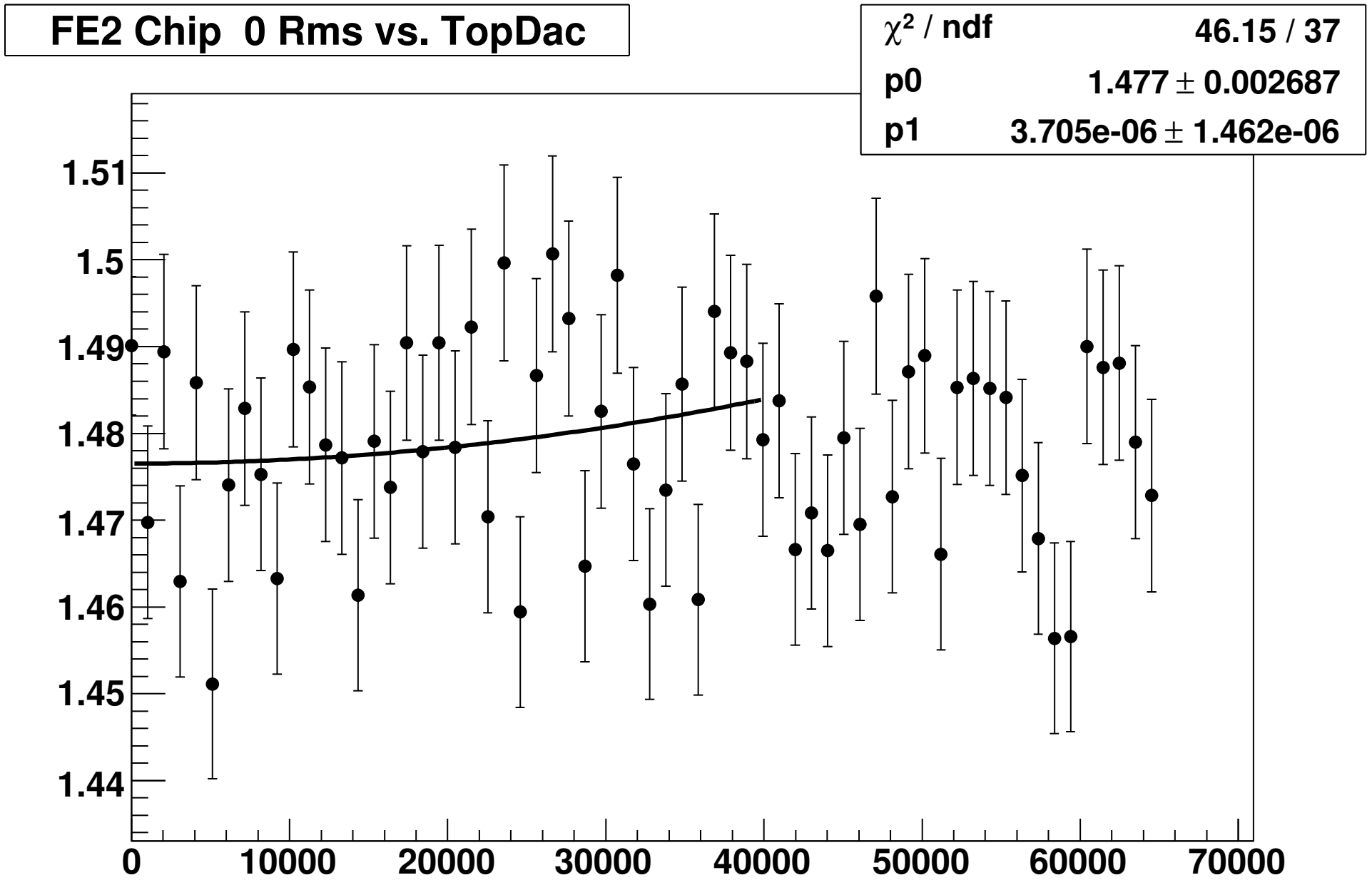
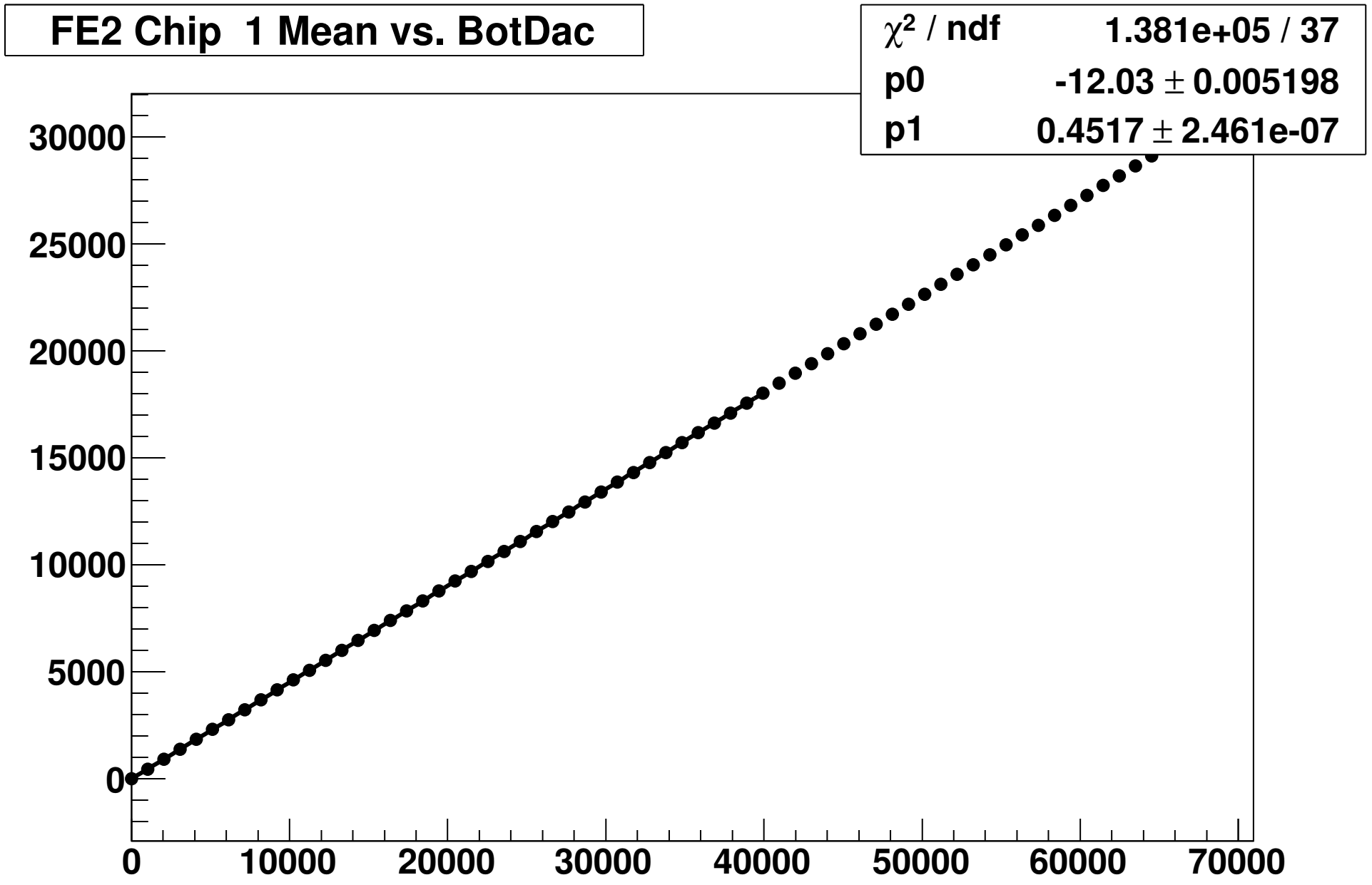

FE2 Chip 0 Rms vs. TopDac
χ² / ndf 46.15 / 37
p0 1.477 ± 0.002687
p1 3.705e-06 ± 1.462e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.381e+05 / 37
p0 -12.03 ± 0.005198
p1 0.4517 ± 2.461e-07
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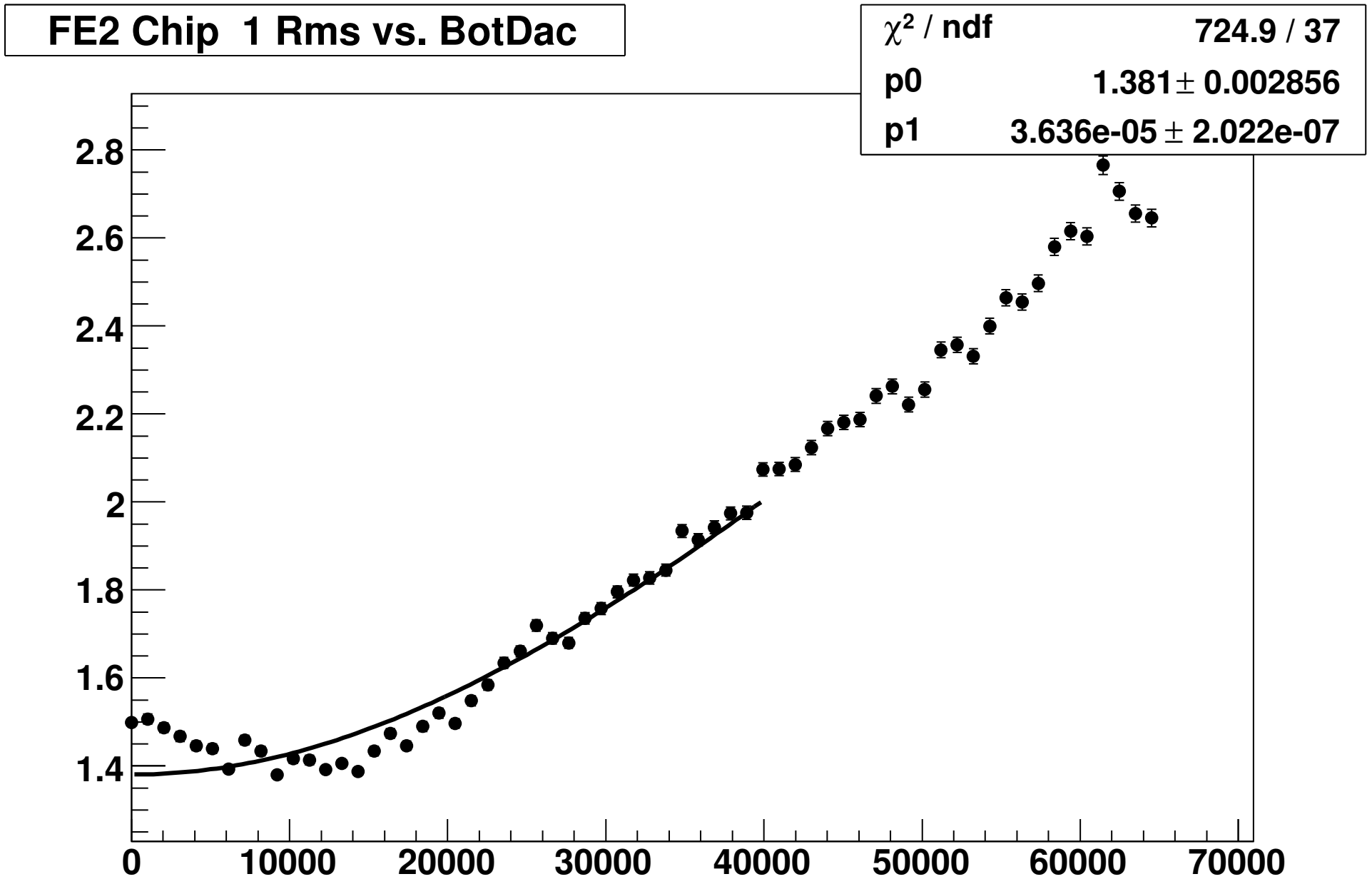
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 724.9 / 37
p0 1.381 ± 0.002856
p1 3.636e-05 ± 2.022e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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60000
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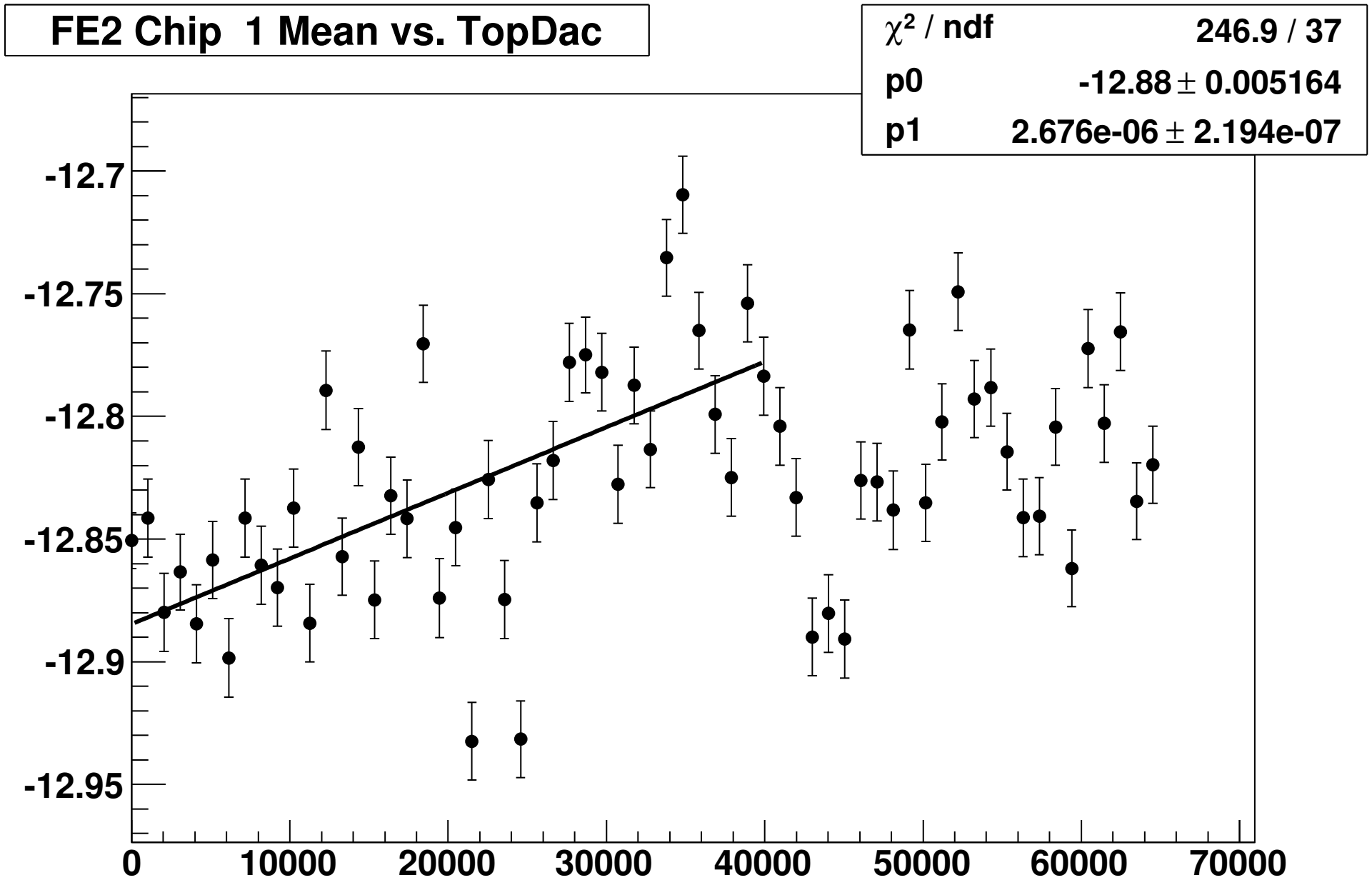
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 246.9 / 37
p0 -12.88 ± 0.005164
p1 2.676e-06 ± 2.194e-07
-12.7
-12.75
-12.8
-12.85
-12.9
-12.95
0
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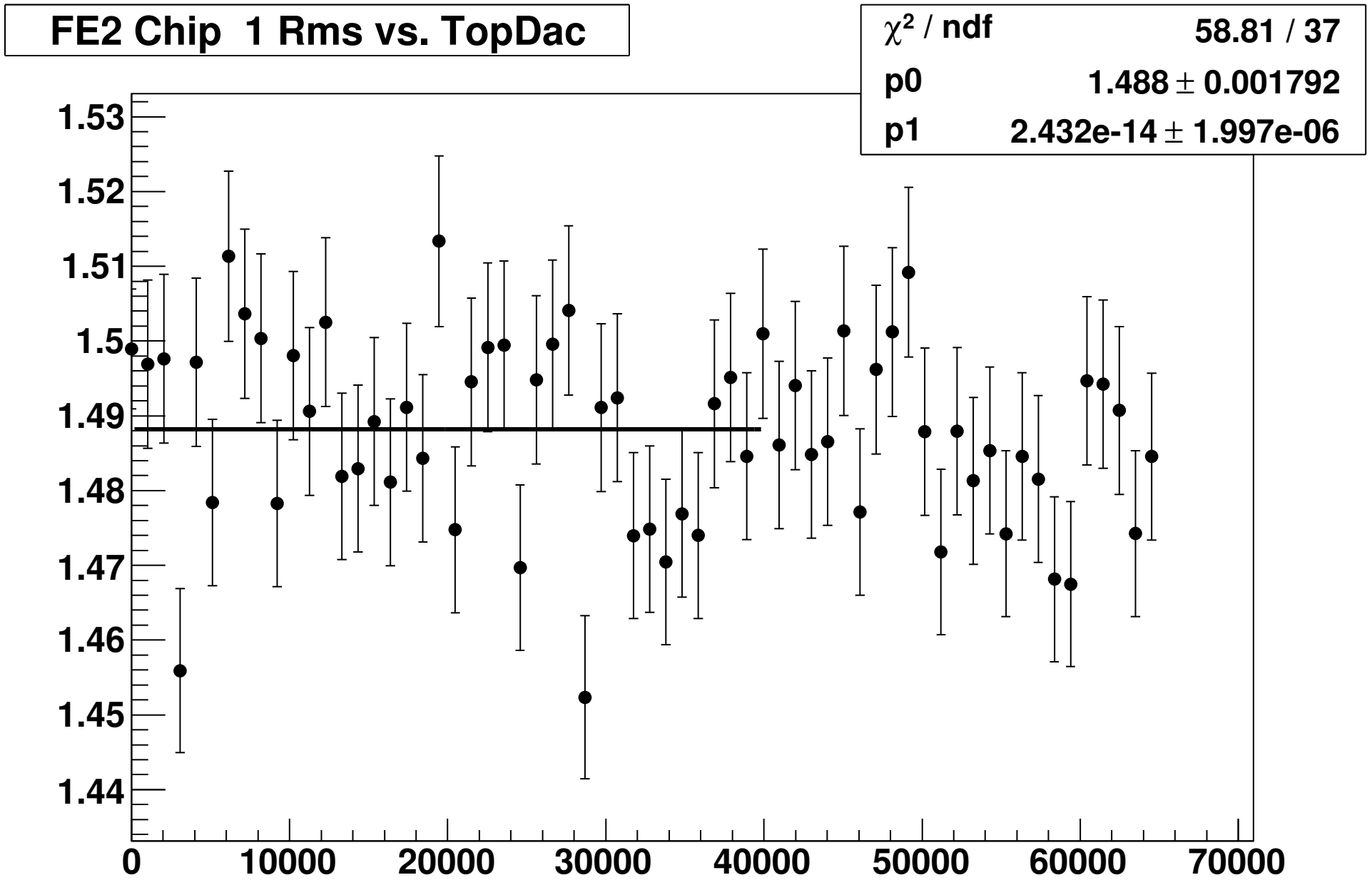
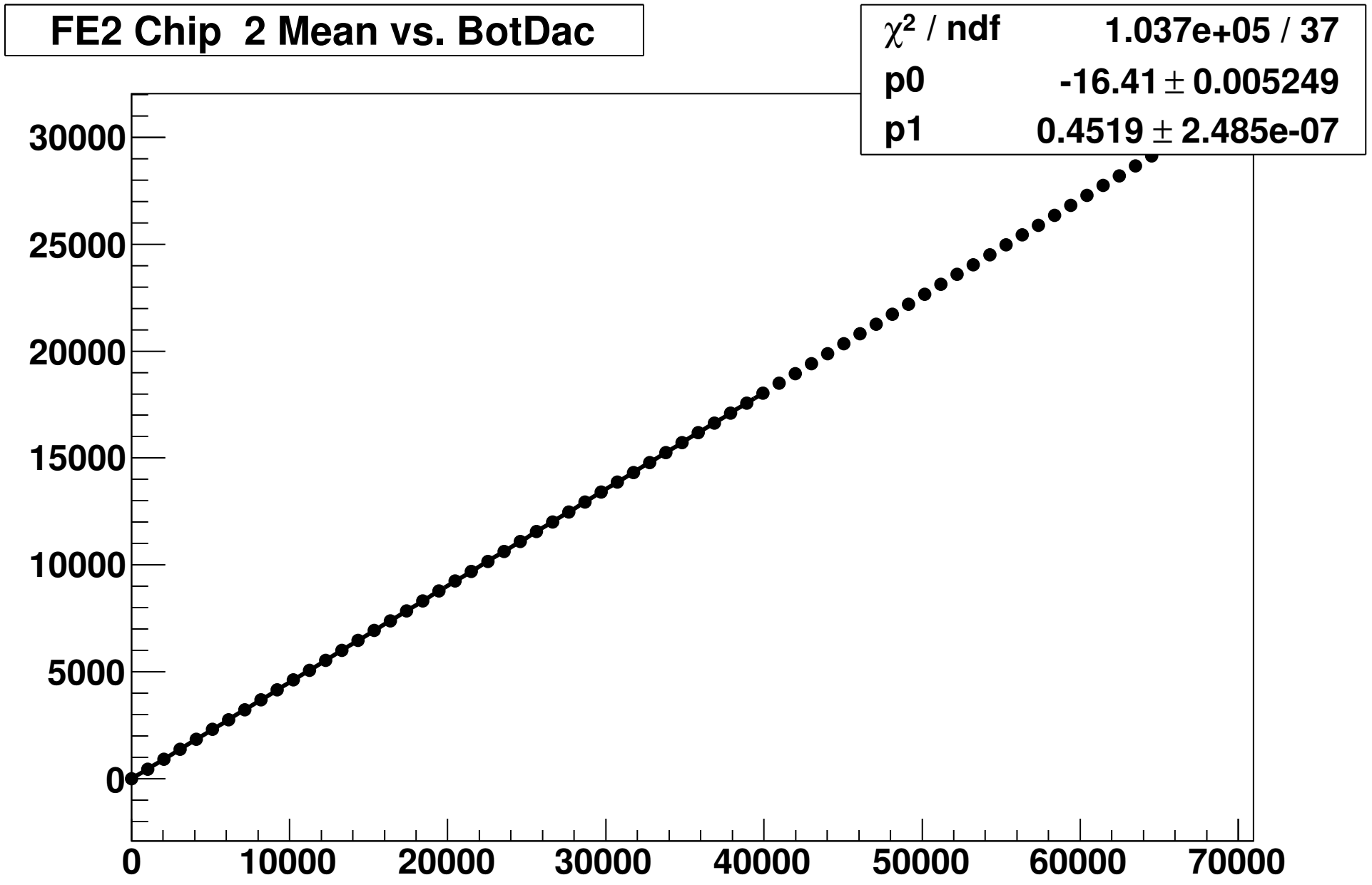
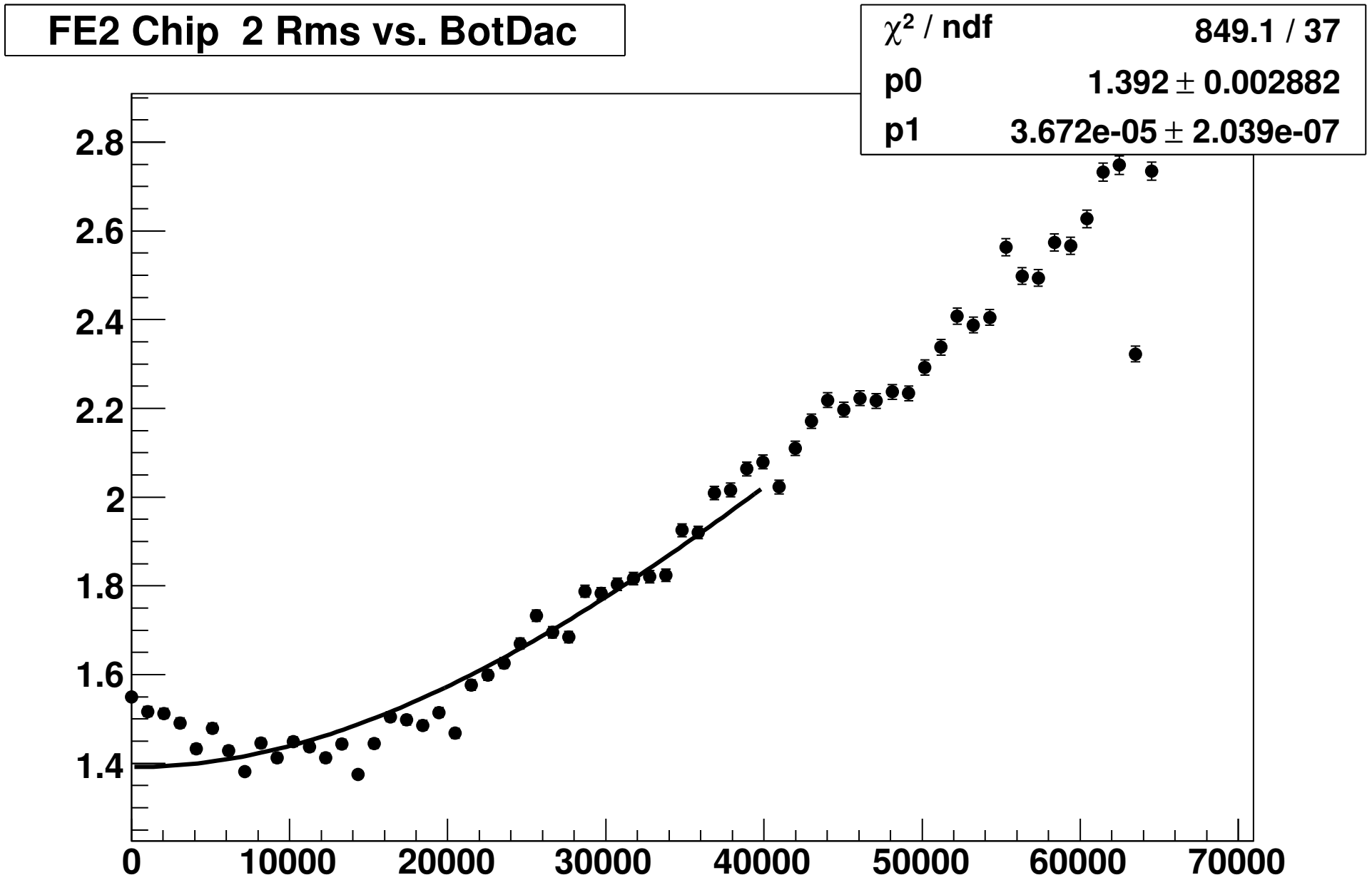
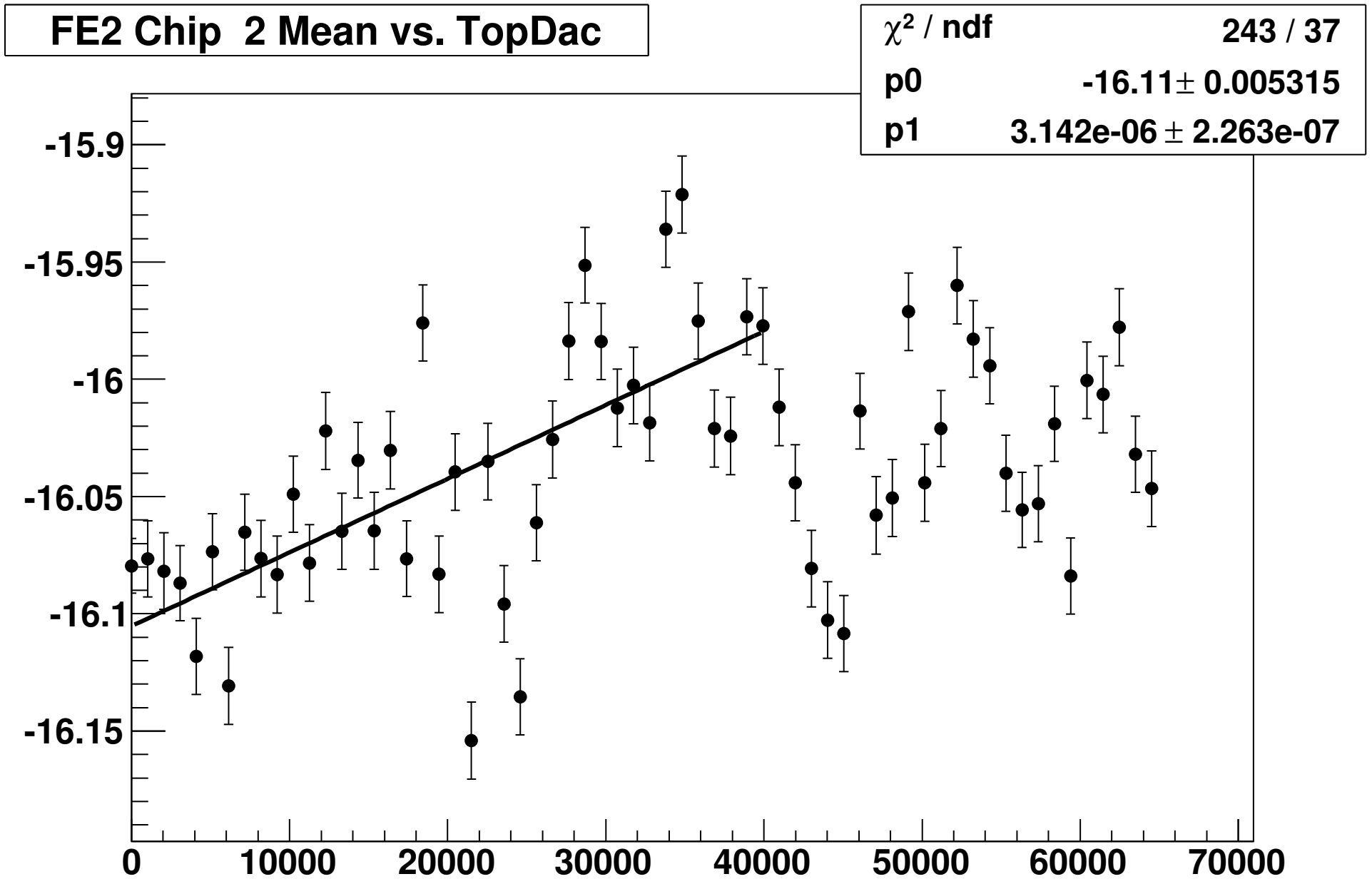
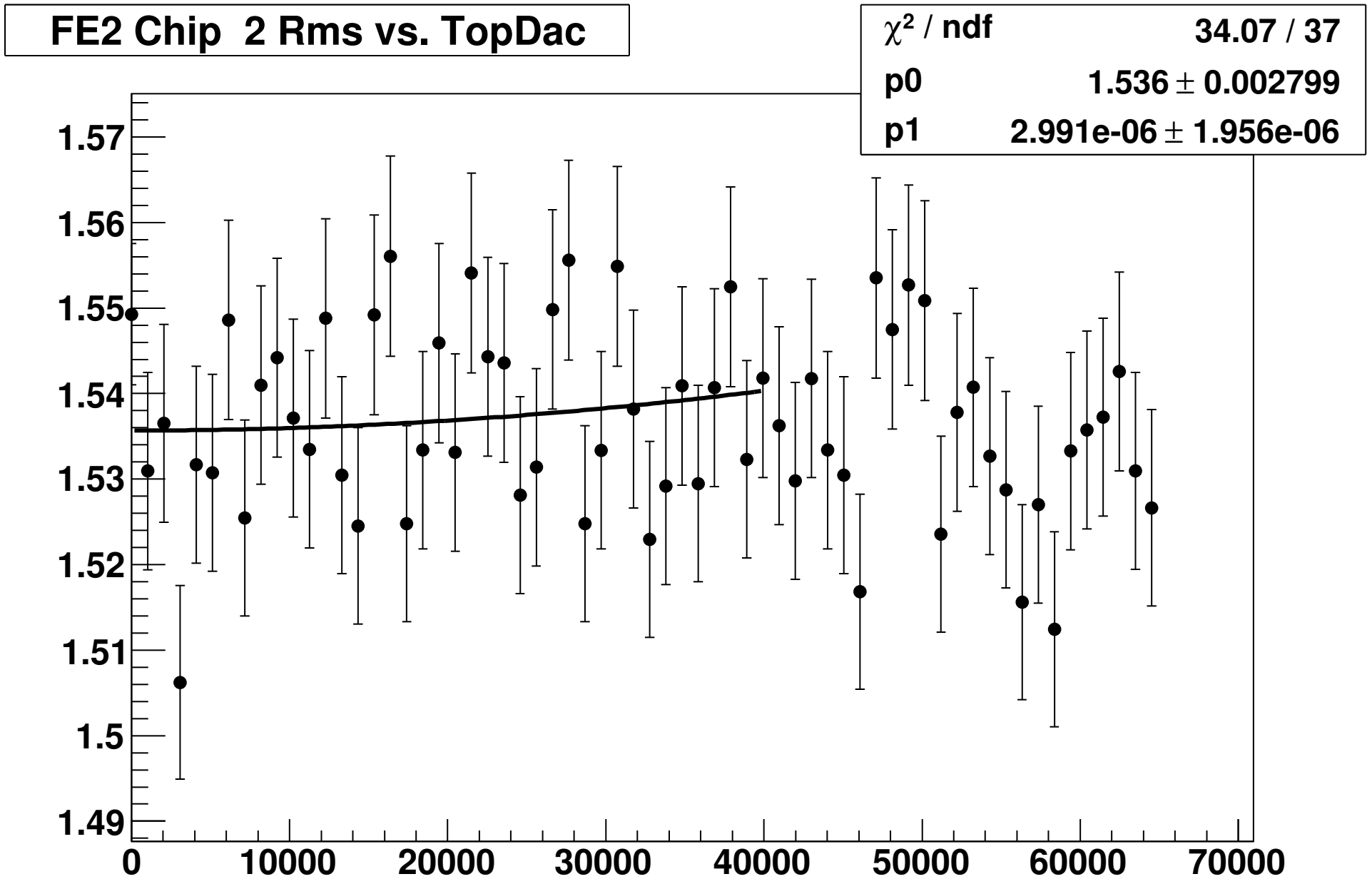
50000
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 58.81 / 37
p0 1.488 ± 0.001792
p1 2.432e-14 ± 1.997e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.037e+05 / 37
p0 -16.41 ± 0.005249
p1 0.4519 ± 2.485e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 849.1 / 37
p0 1.392 ± 0.002882
p1 3.672e-05 ± 2.039e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 243 / 37
p0 -16.11 ± 0.005315
p1 3.142e-06 ± 2.263e-07
-15.9
-15.95
-16
-16.05
-16.1
-16.15
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 34.07 / 37
p0 1.536 ± 0.002799
p1 2.991e-06 ± 1.956e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
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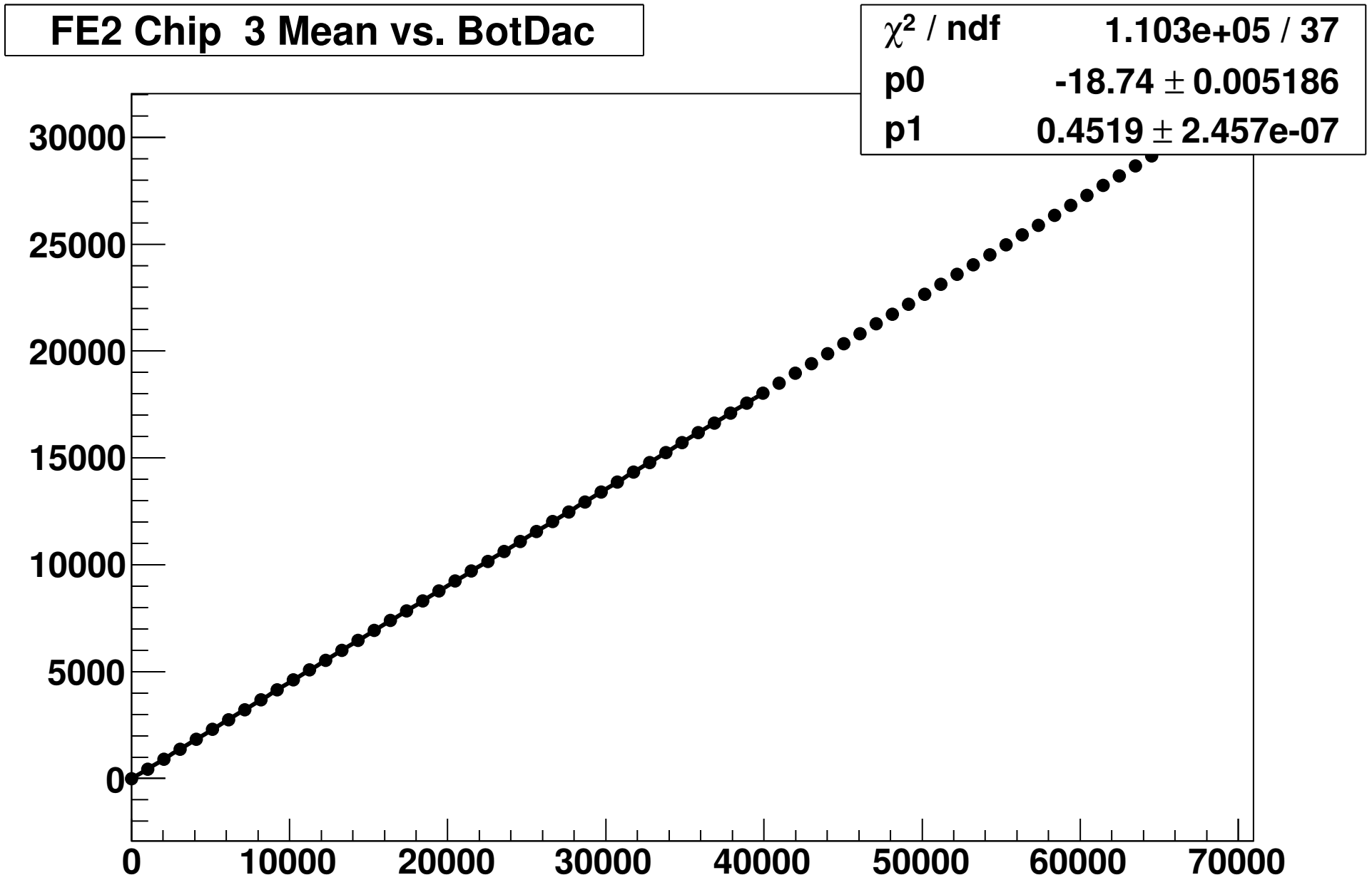
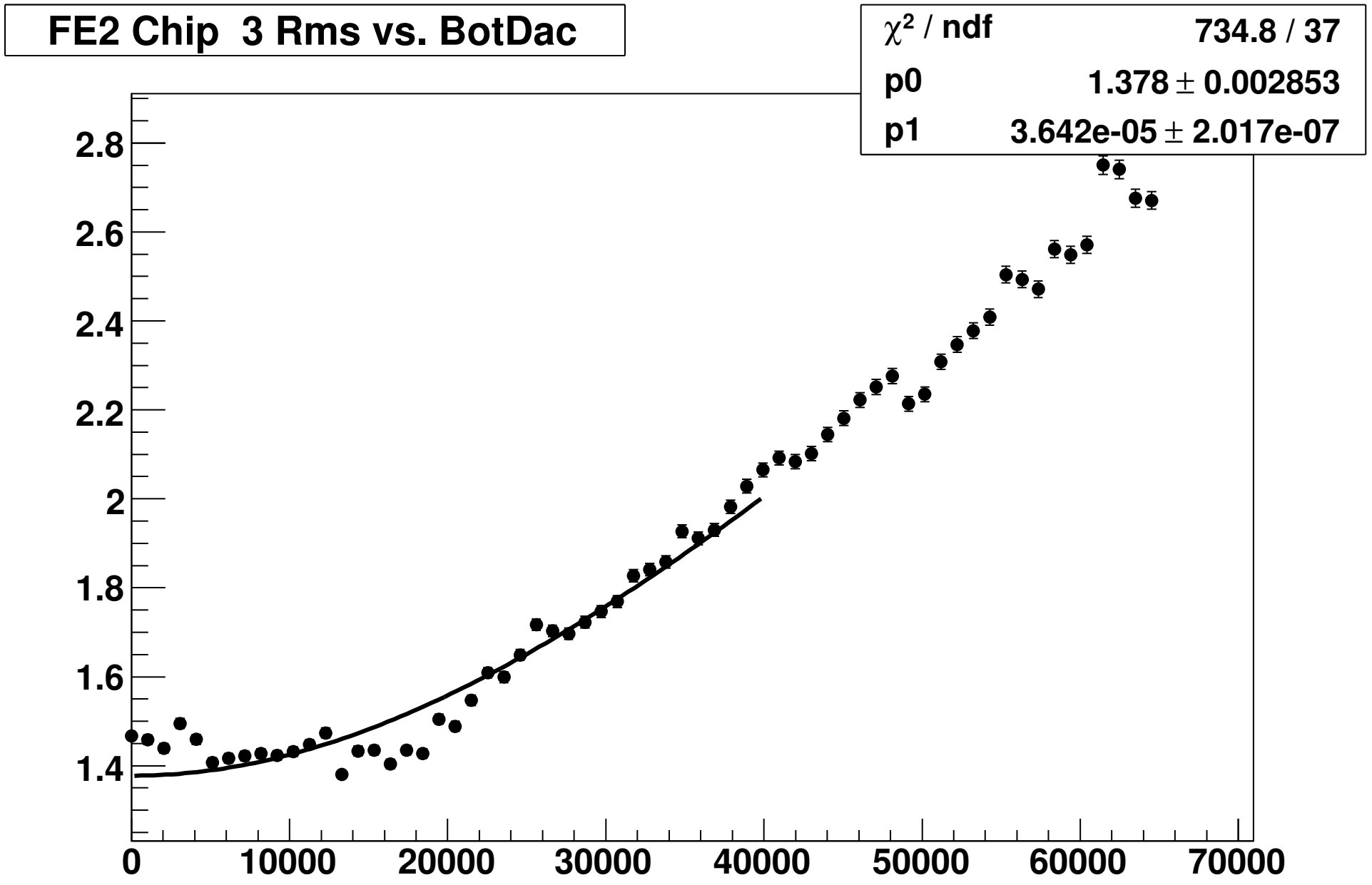
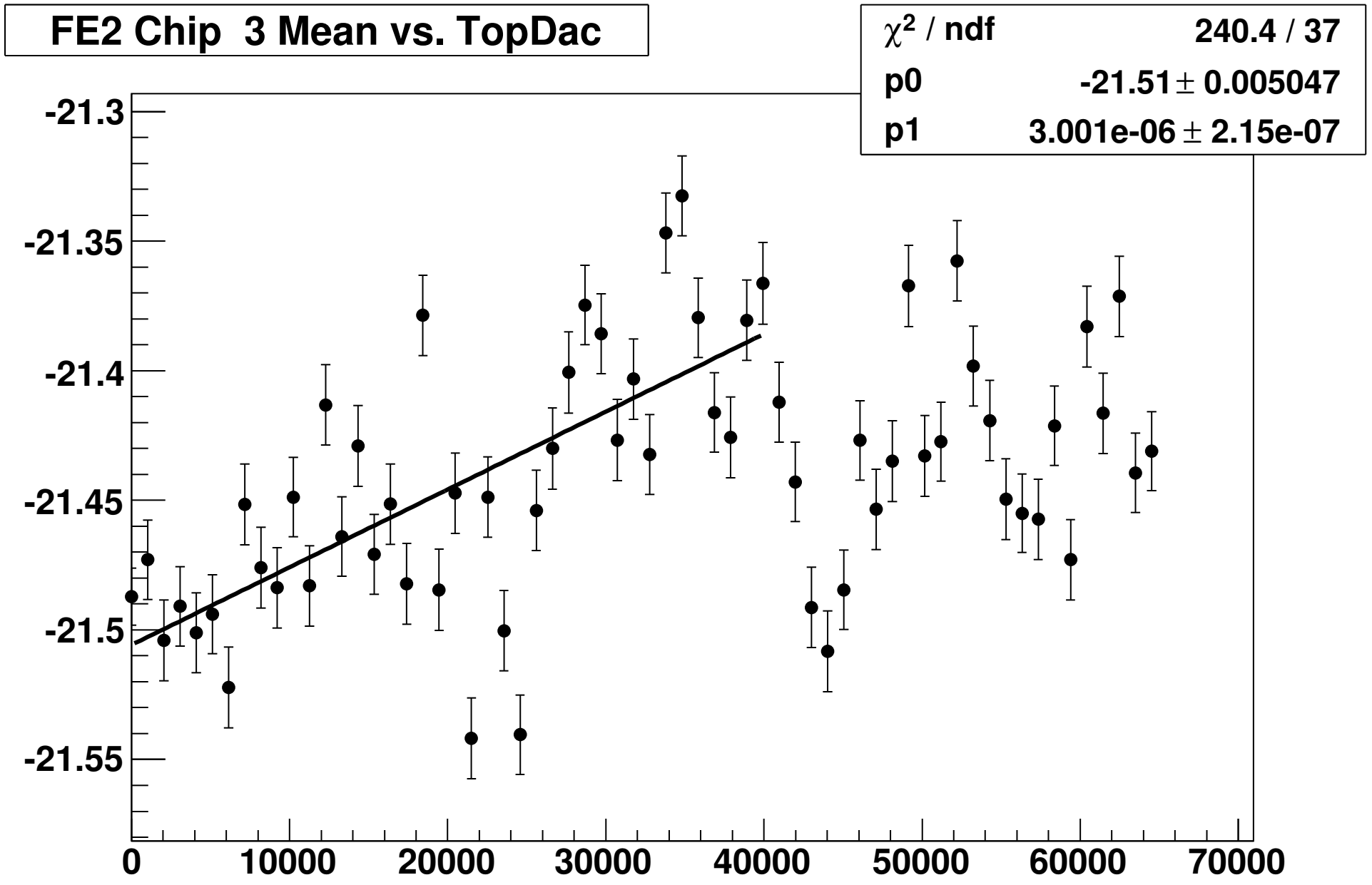
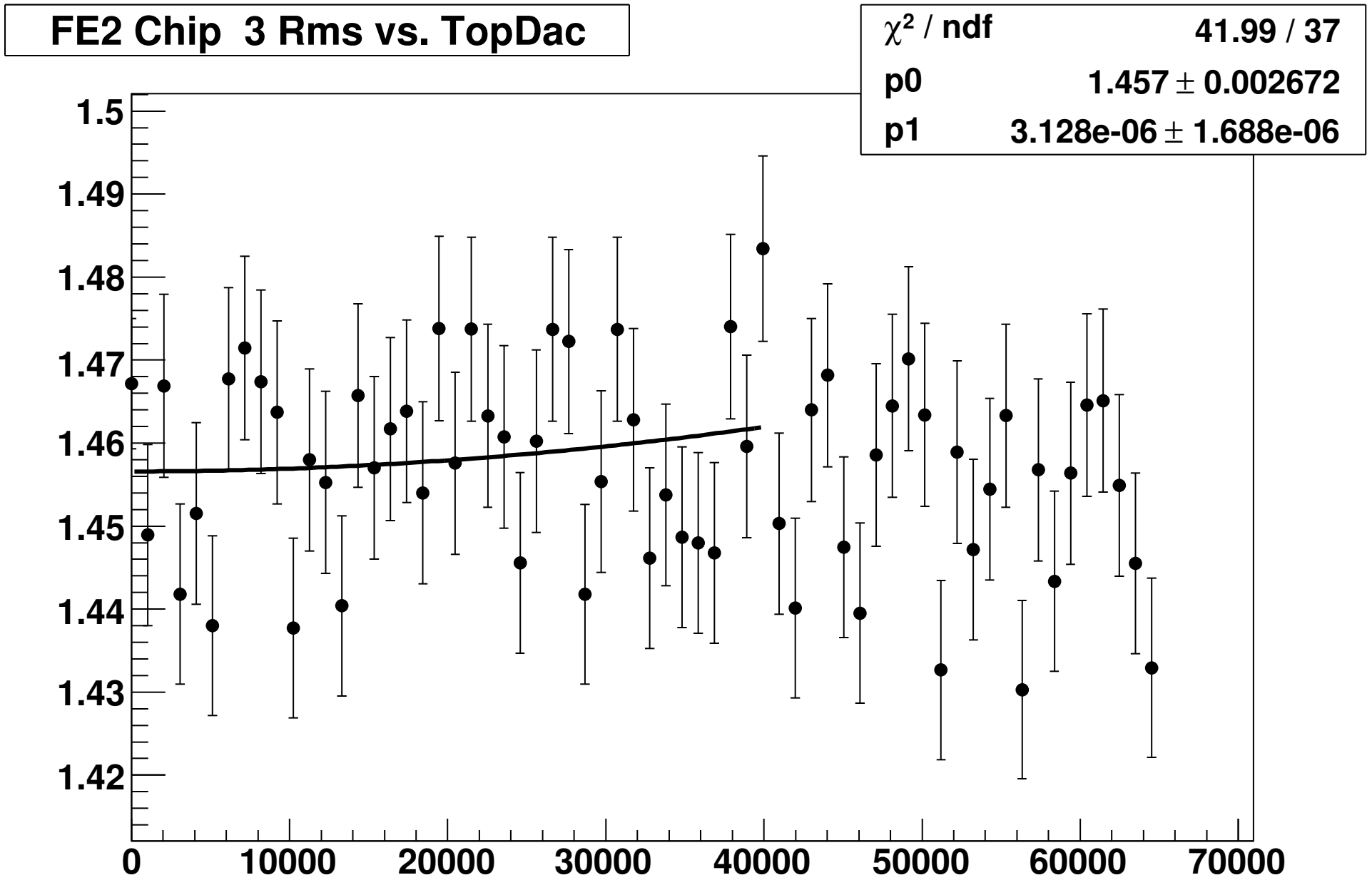
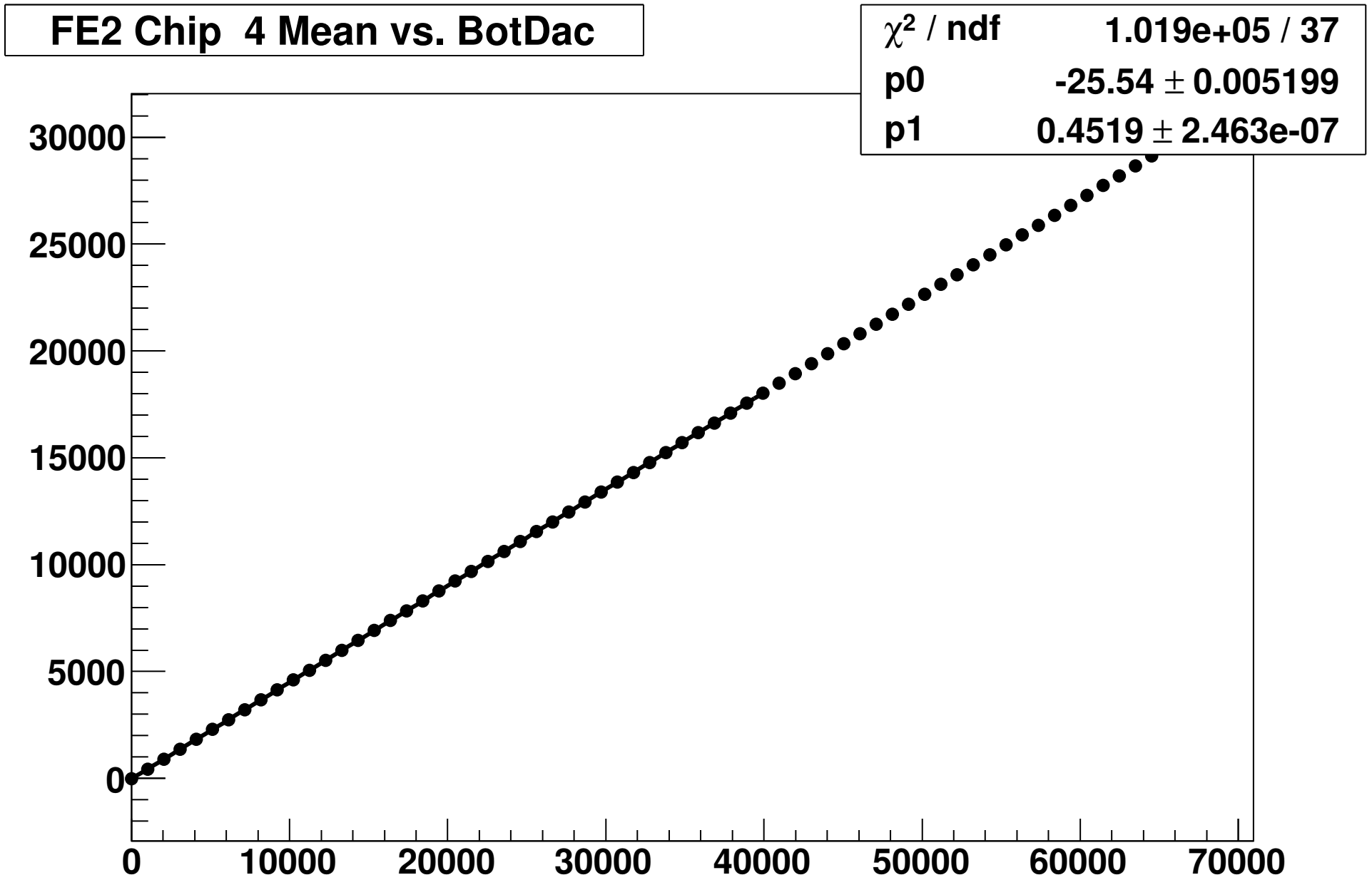
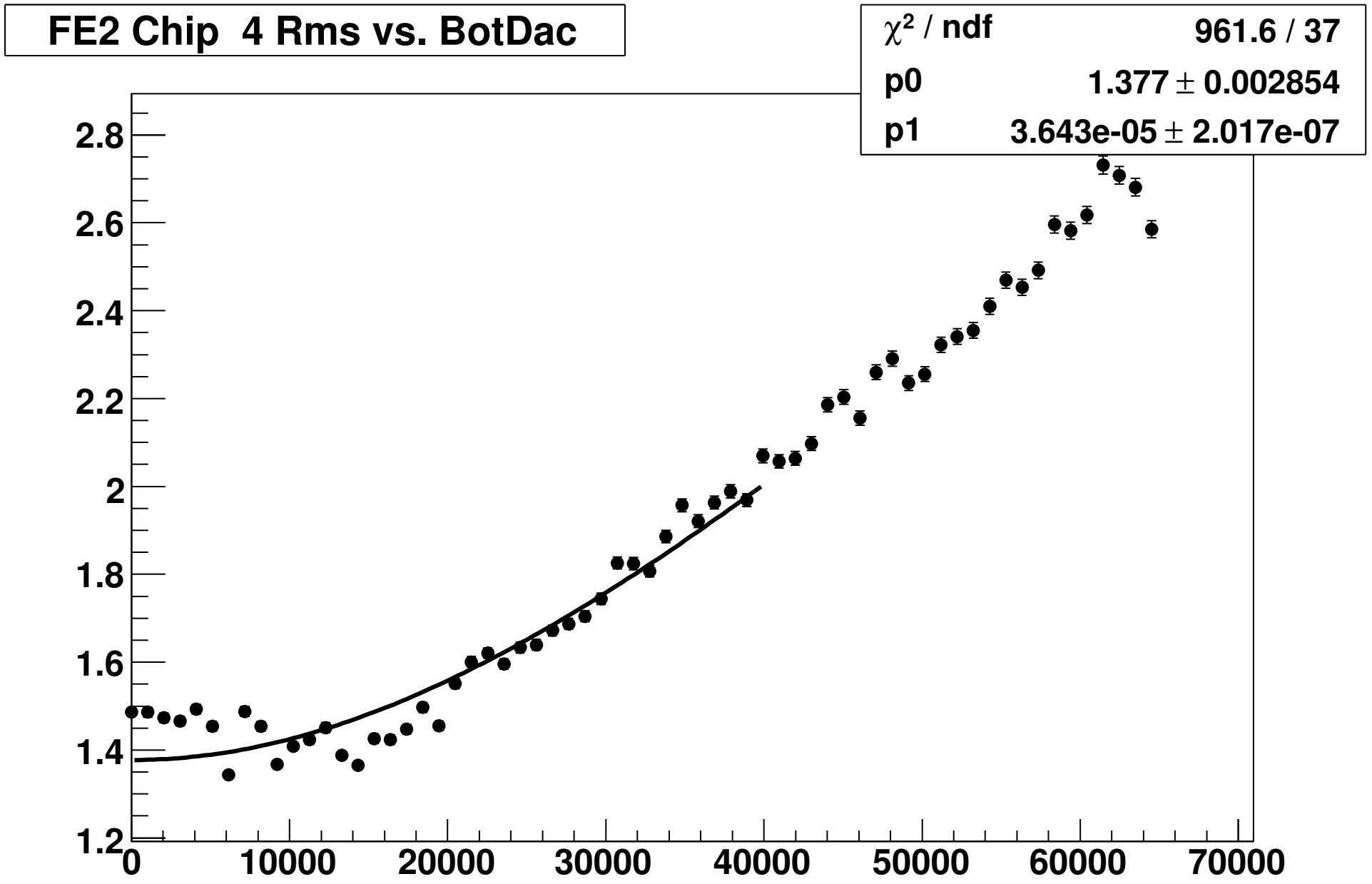

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.103e+05 / 37
p0 -18.74 ± 0.005186
p1 0.4519 ± 2.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

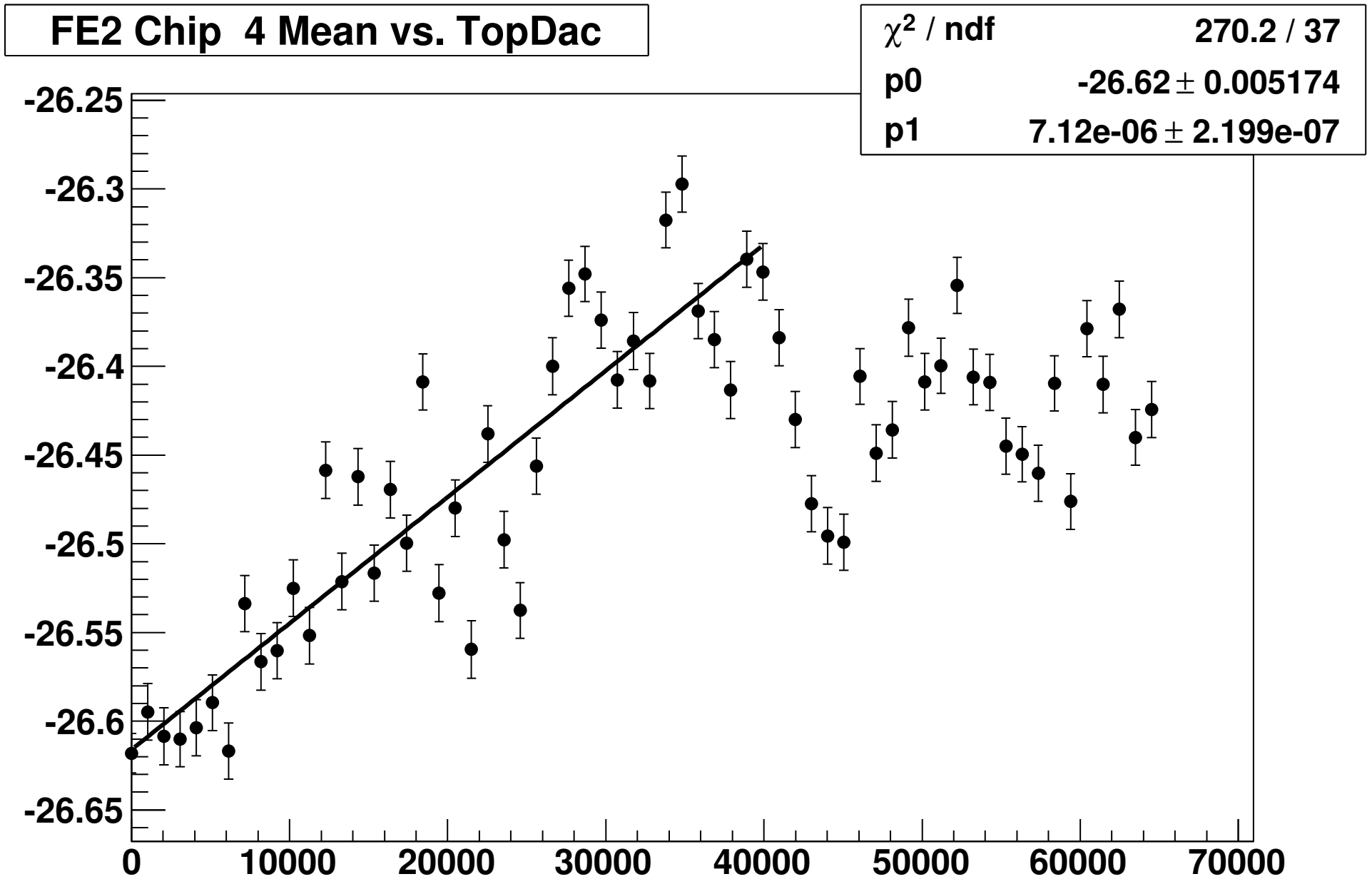

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 734.8 / 37
p0 1.378 ± 0.002853
p1 3.642e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

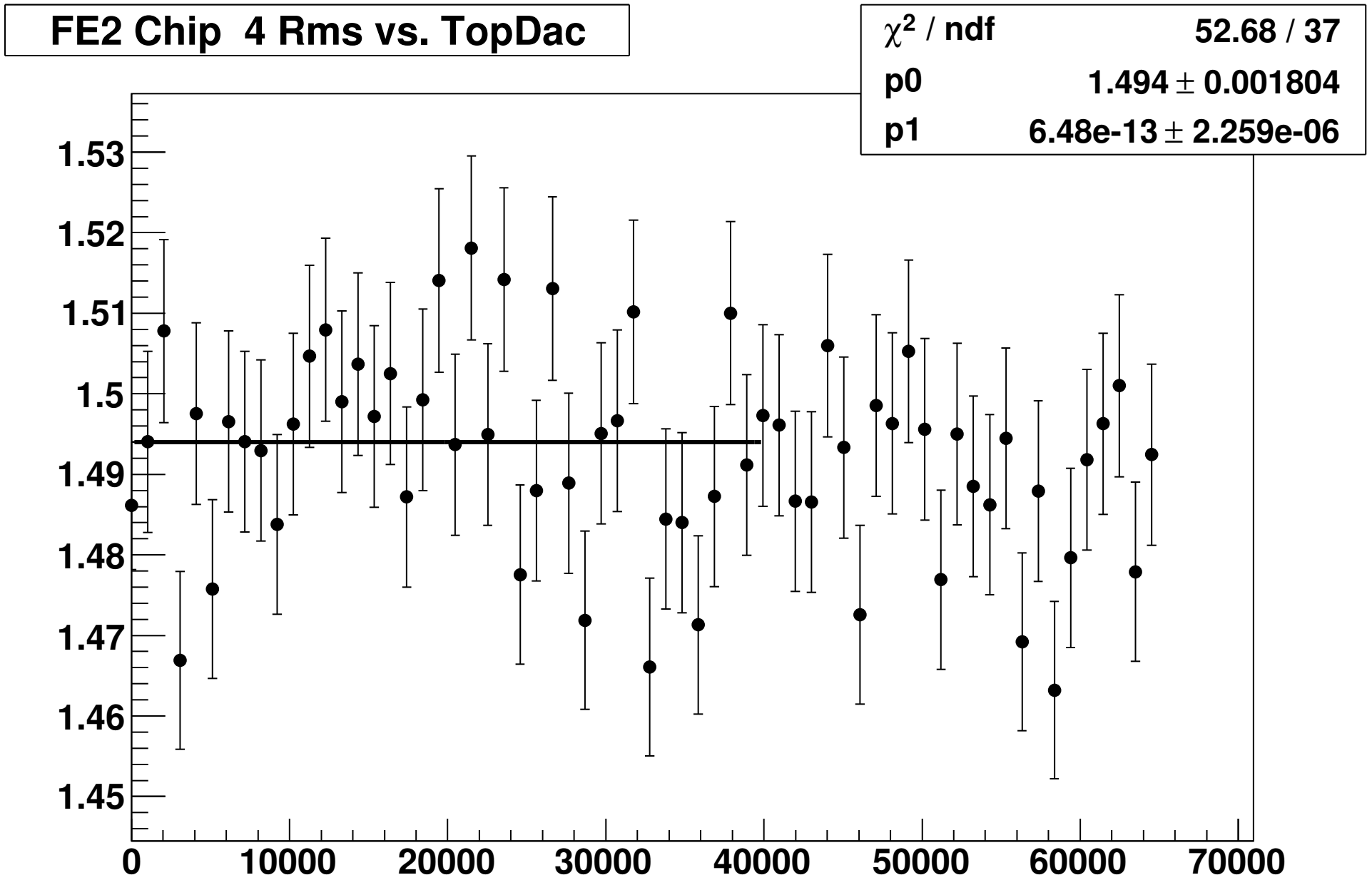

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 240.4 / 37
p0 -21.51 ± 0.005047
p1 3.001e-06 ± 2.15e-07
-21.3
-21.35
-21.4
-21.45
-21.5
-21.55
0
10000
20000
30000
40000
50000
60000
70000

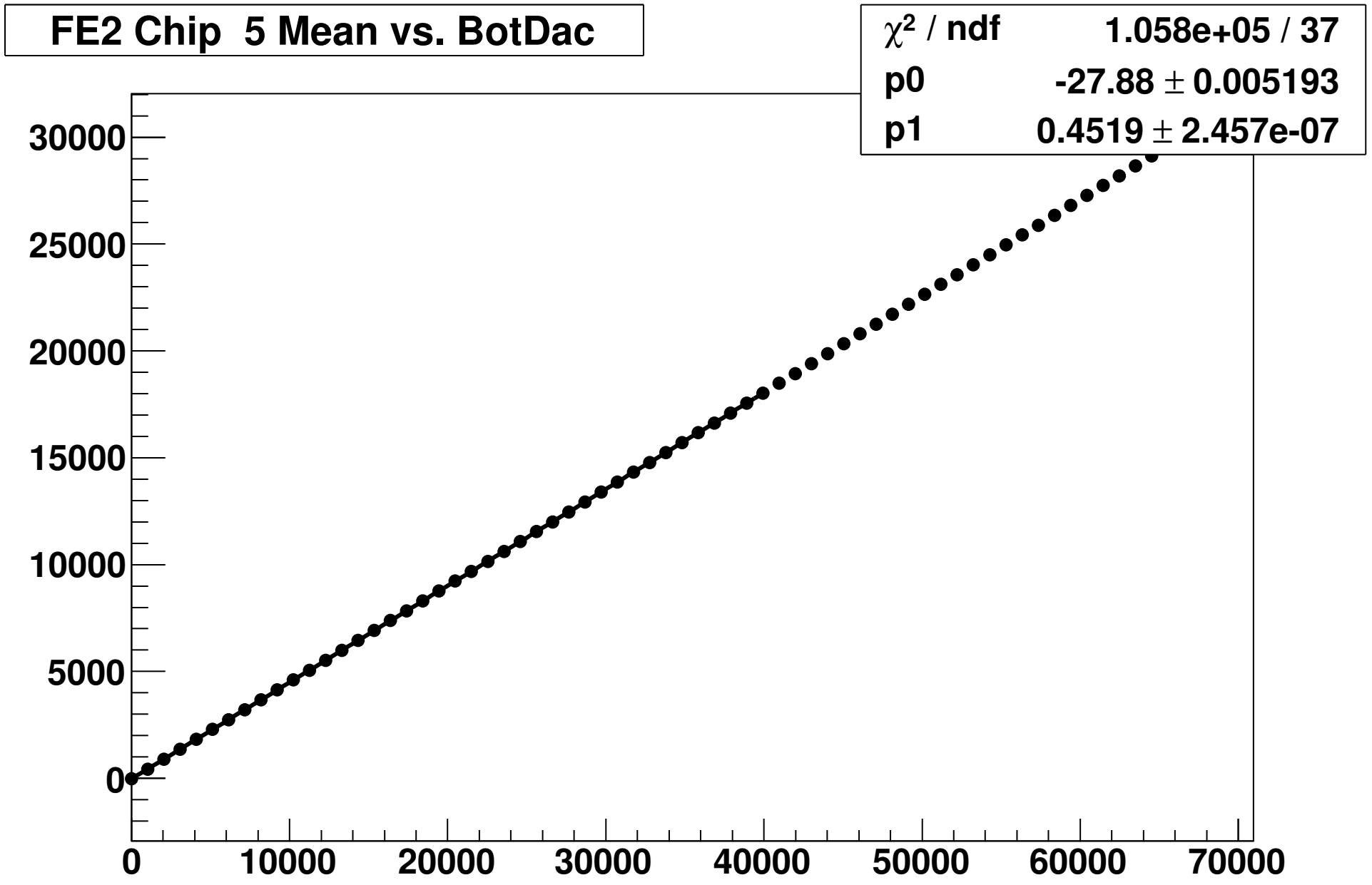

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 41.99 / 37
p0 1.457 ± 0.002672
p1 3.128e-06 ± 1.688e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

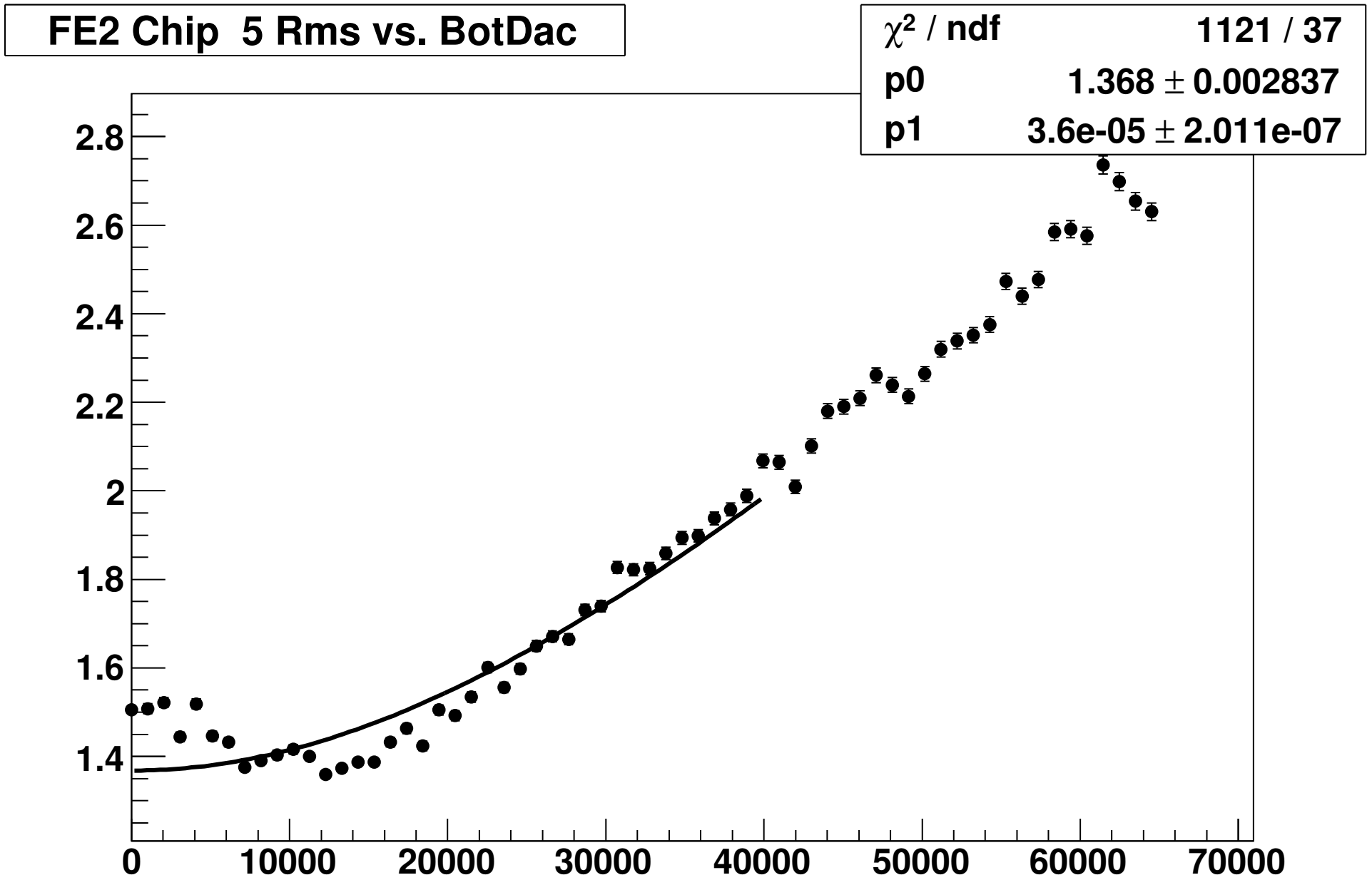

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.019e+05 / 37
p0 -25.54 ± 0.005199
p1 0.4519 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

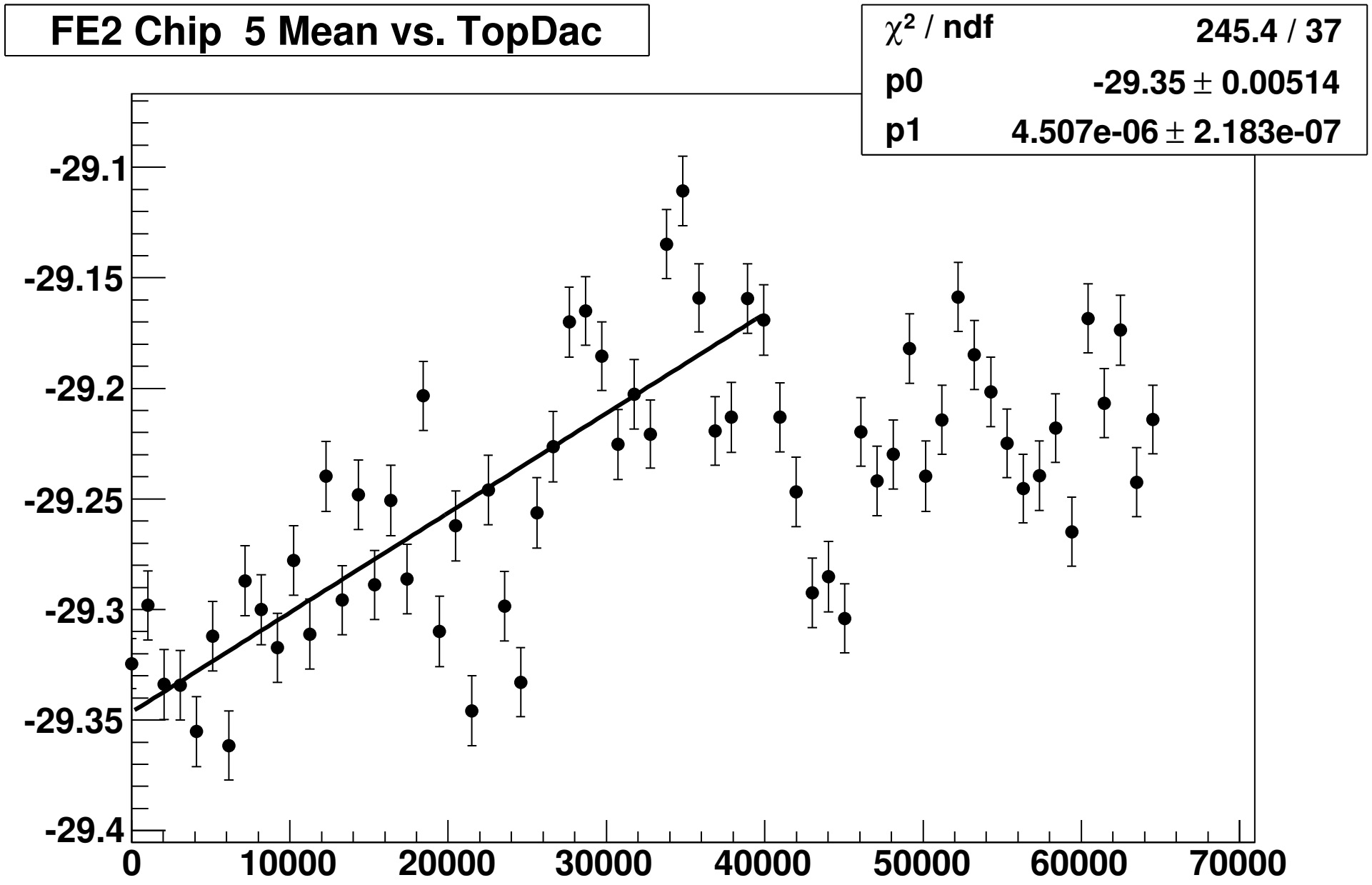

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 961.6 / 37
p0 1.377 ± 0.002854
p1 3.643e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

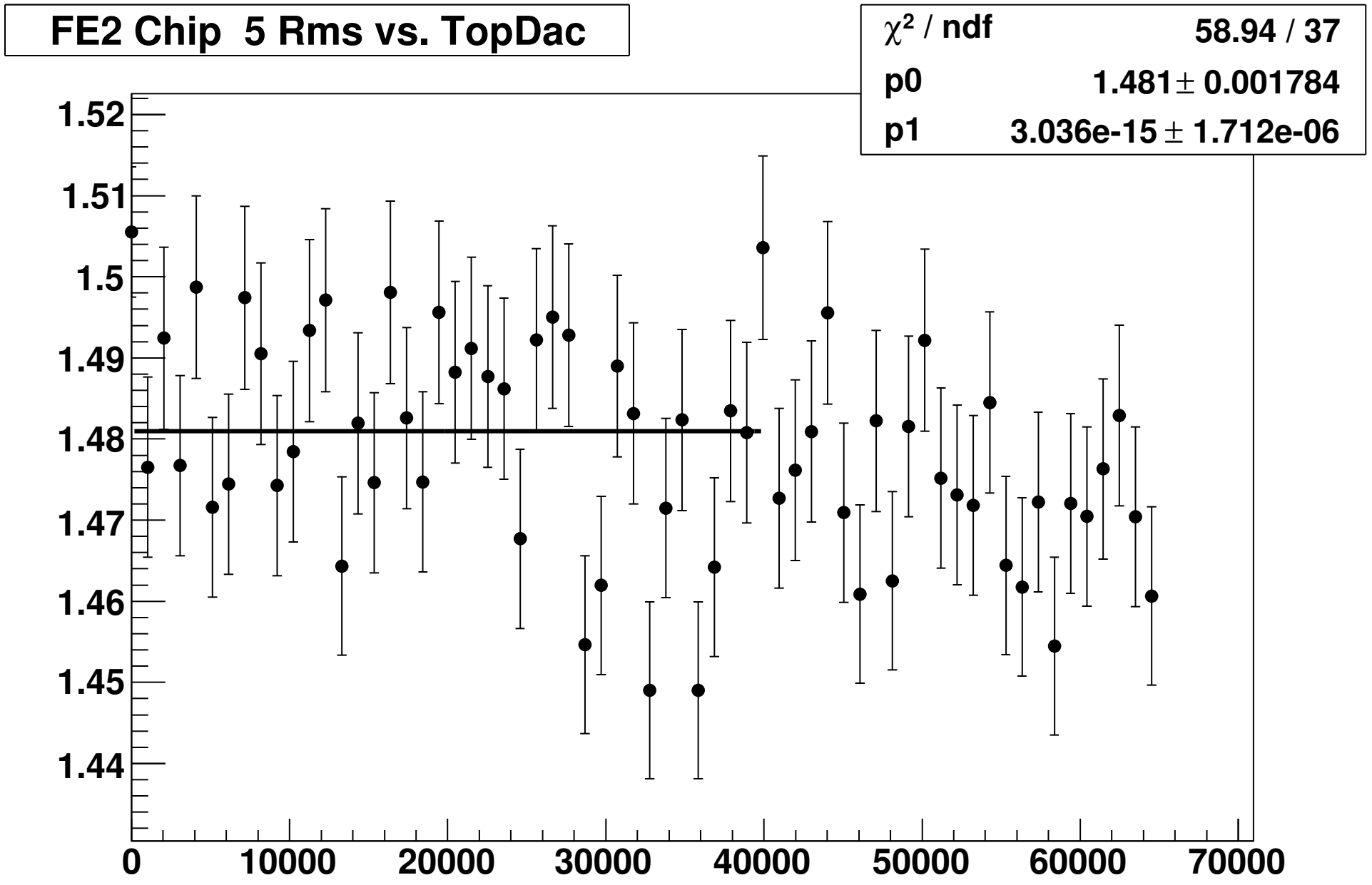

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 270.2 / 37
p0 -26.62 ± 0.005174
p1 7.12e-06 ± 2.199e-07
-26.25
-26.3
-26.35
-26.4
-26.45
-26.5
-26.55
-26.6
-26.65
0
10000
20000
30000
40000
50000
60000
70000

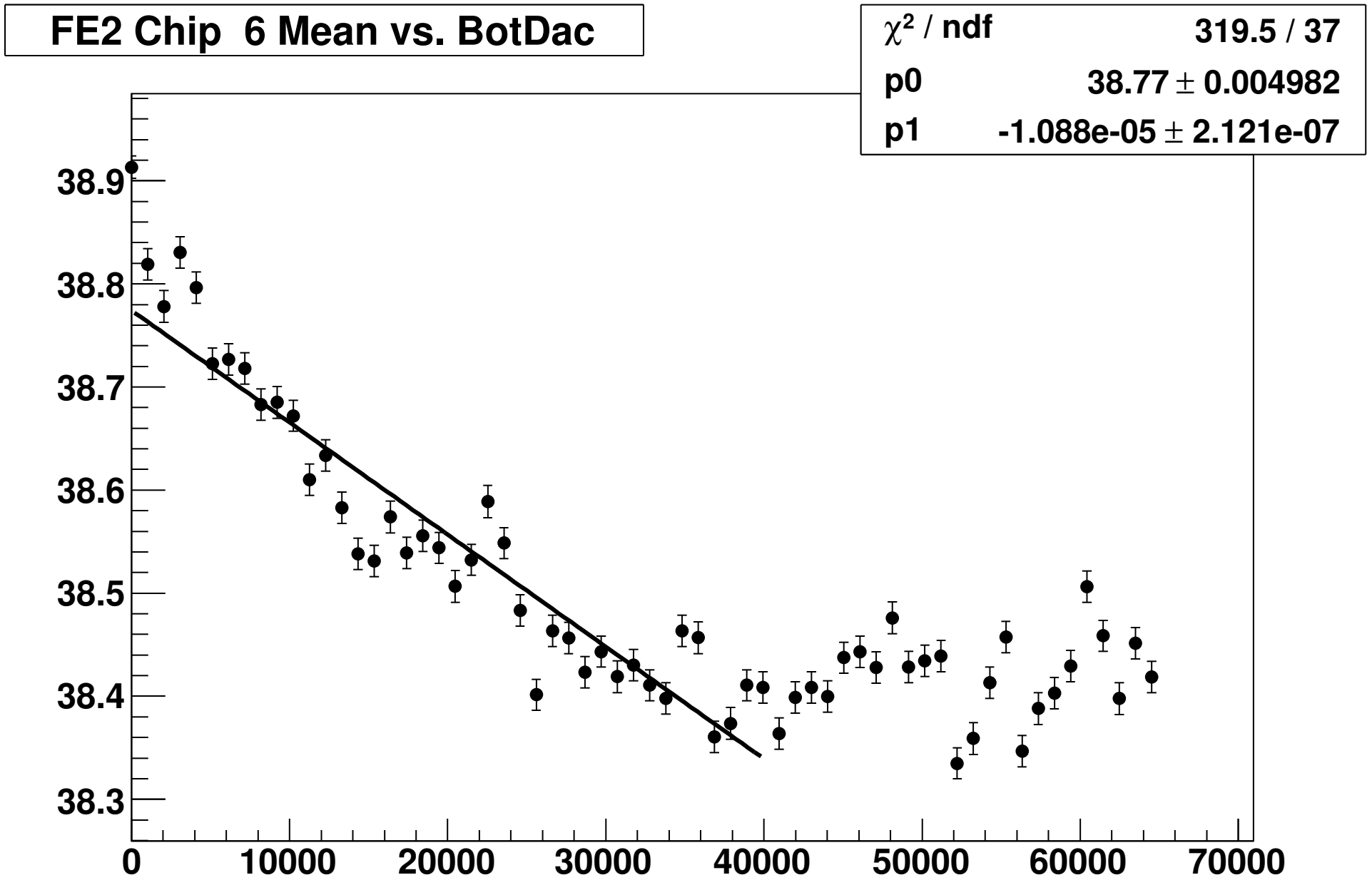

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 52.68 / 37
p0 1.494 ± 0.001804
p1 6.48e-13 ± 2.259e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

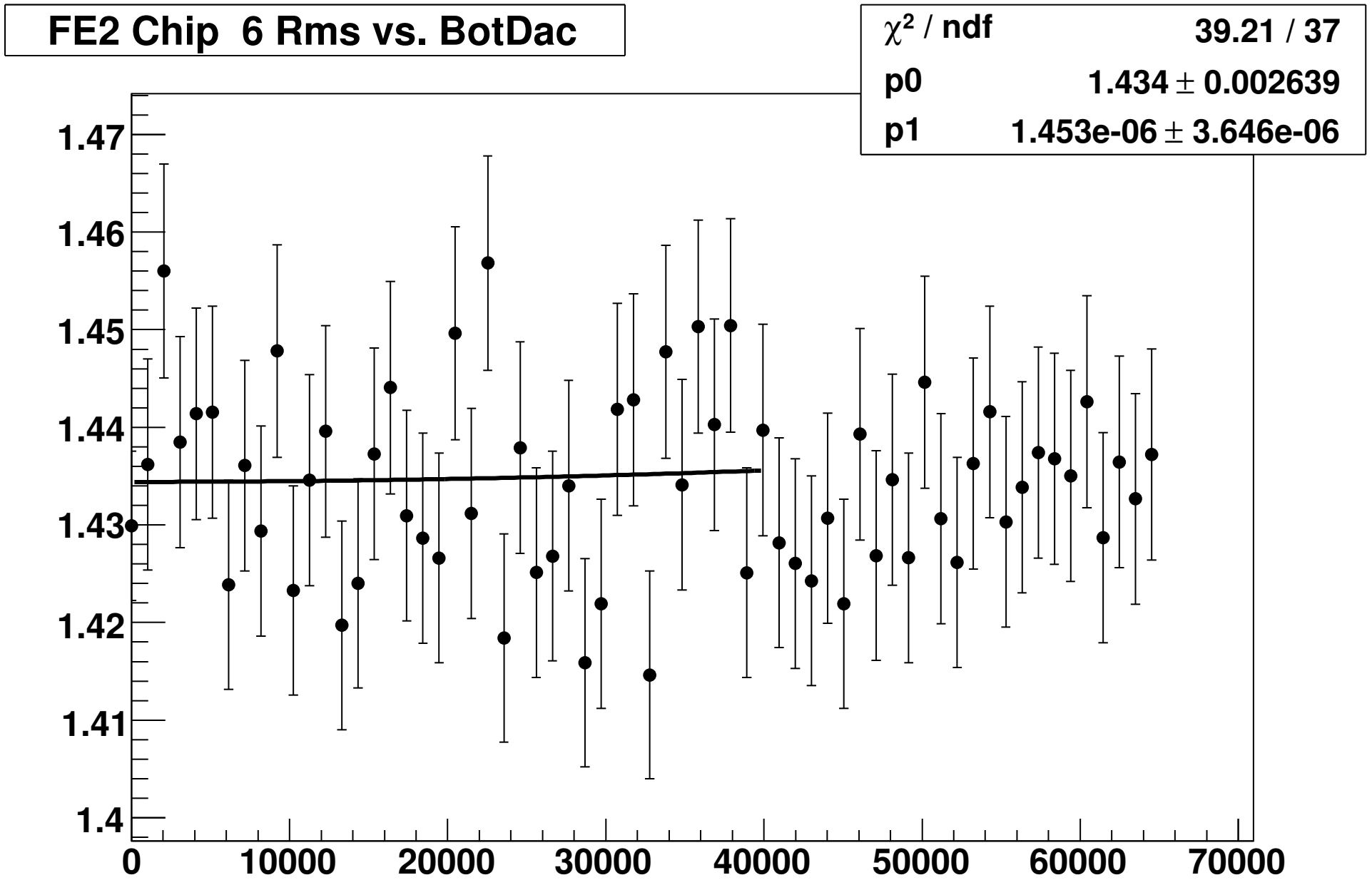

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.058e+05 / 37
p0 -27.88 ± 0.005193
p1 0.4519 ± 2.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

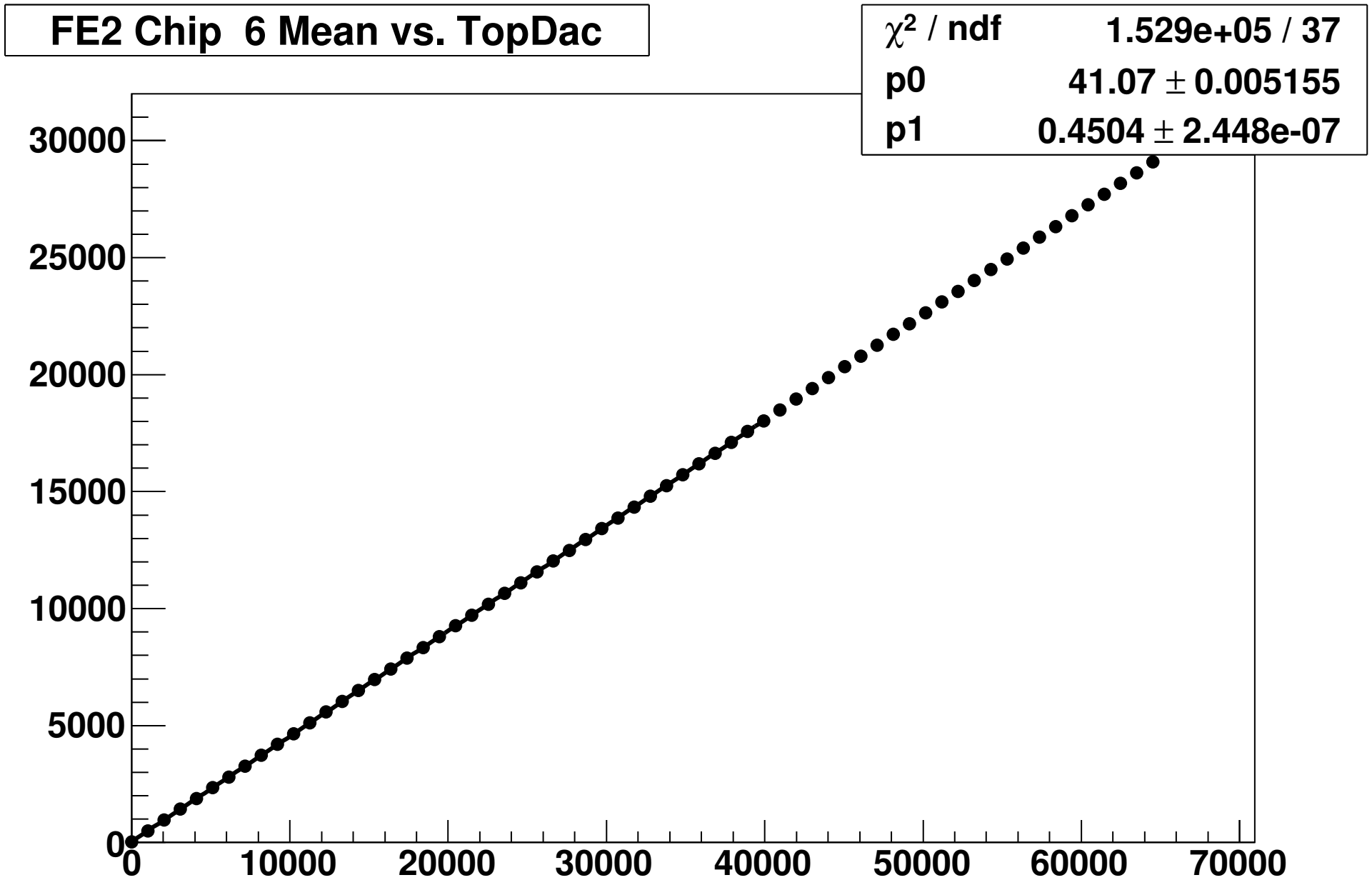

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1121 / 37
p0 1.368 ± 0.002837
p1 3.6e-05 ± 2.011e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

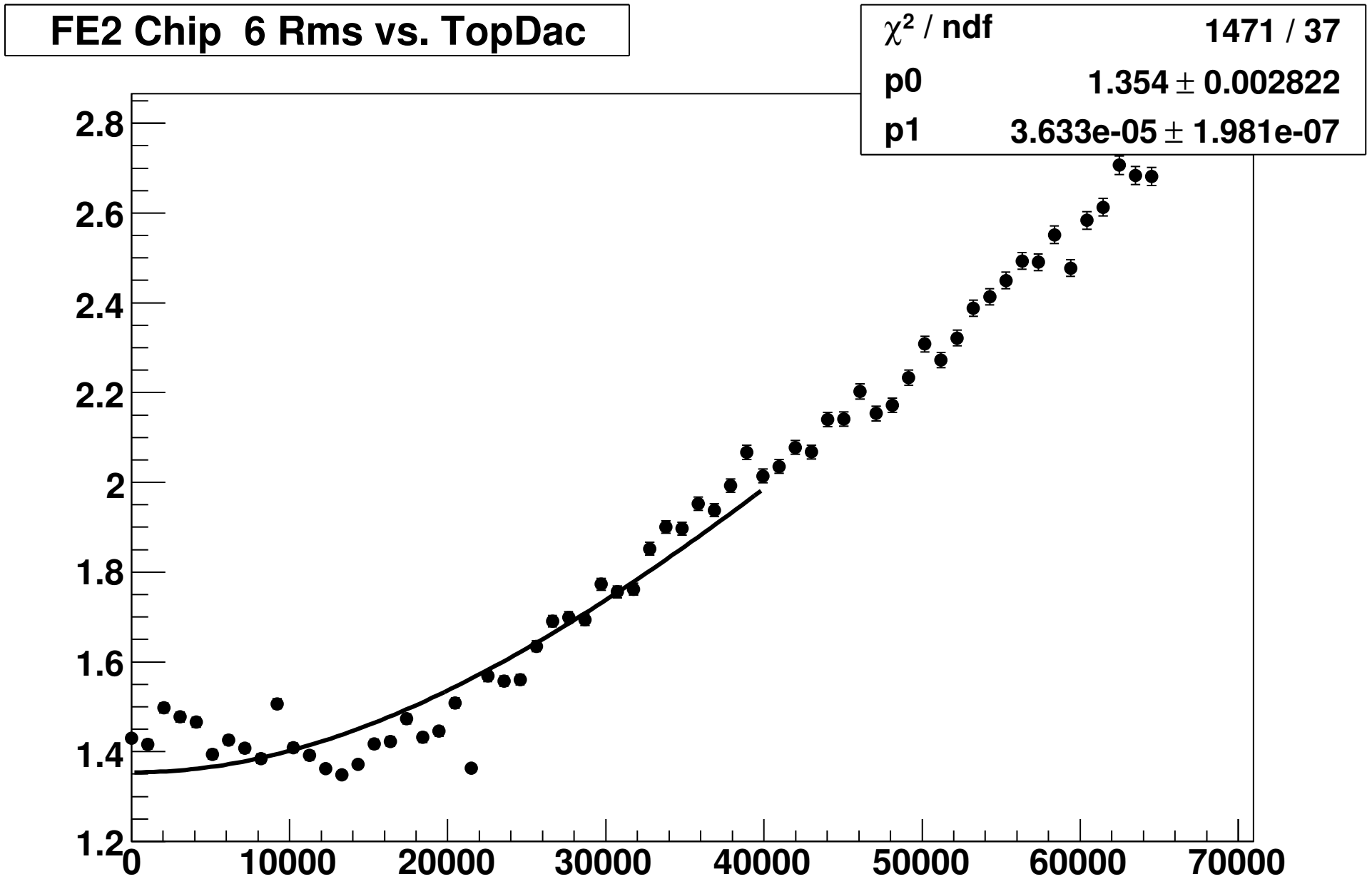

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 245.4 / 37
p0 -29.35 ± 0.00514
p1 4.507e-06 ± 2.183e-07
-29.1
-29.15
-29.2
-29.25
-29.3
-29.35
-29.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 58.94 / 37
p0 1.481 ± 0.001784
p1 3.036e-15 ± 1.712e-06
1.52
1.51
1.5
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. BotDac
χ² / ndf 319.5 / 37
p0 38.77 ± 0.004982
p1 -1.088e-05 ± 2.121e-07
38.9
38.8
38.7
38.6
38.5
38.4
38.3
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 39.21 / 37
p0 1.434 ± 0.002639
p1 1.453e-06 ± 3.646e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.529e+05 / 37
p0 41.07 ± 0.005155
p1 0.4504 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1471 / 37
p0 1.354 ± 0.002822
p1 3.633e-05 ± 1.981e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
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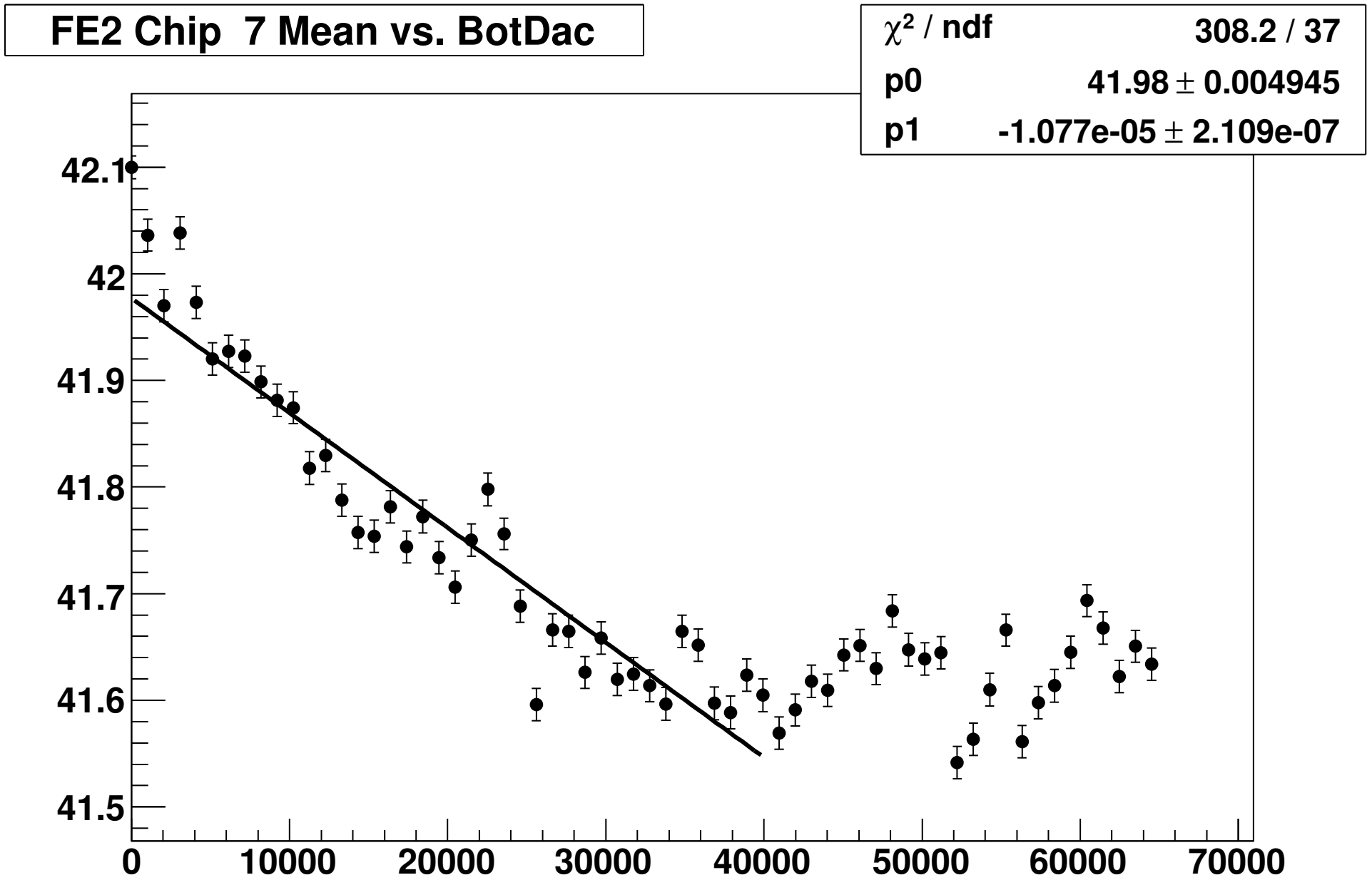
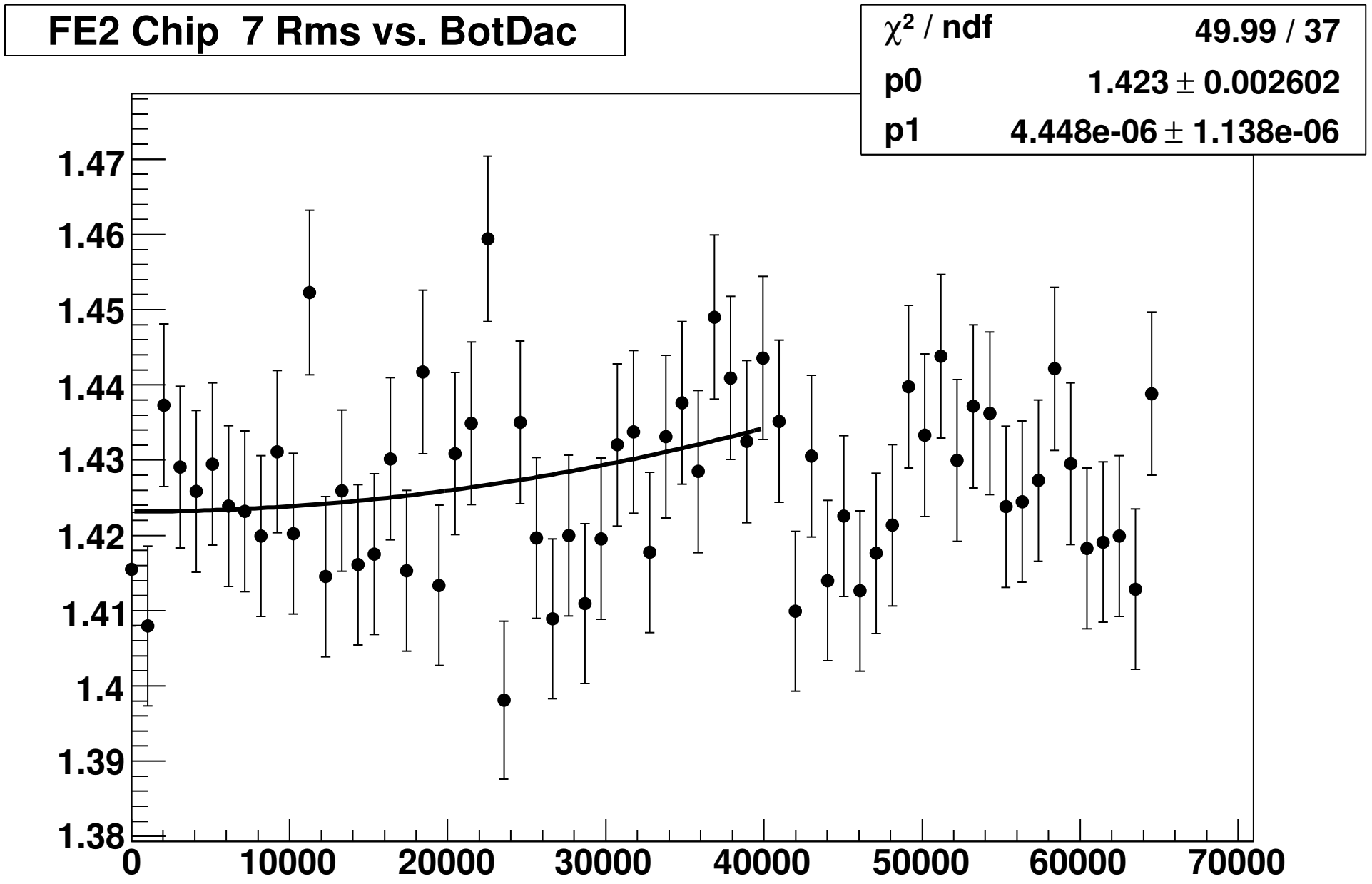
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 308.2 / 37
p0 41.98 ± 0.004945
p1 -1.077e-05 ± 2.109e-07
42.1
42
41.9
41.8
41.7
41.6
41.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 49.99 / 37
p0 1.423 ± 0.002602
p1 4.448e-06 ± 1.138e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
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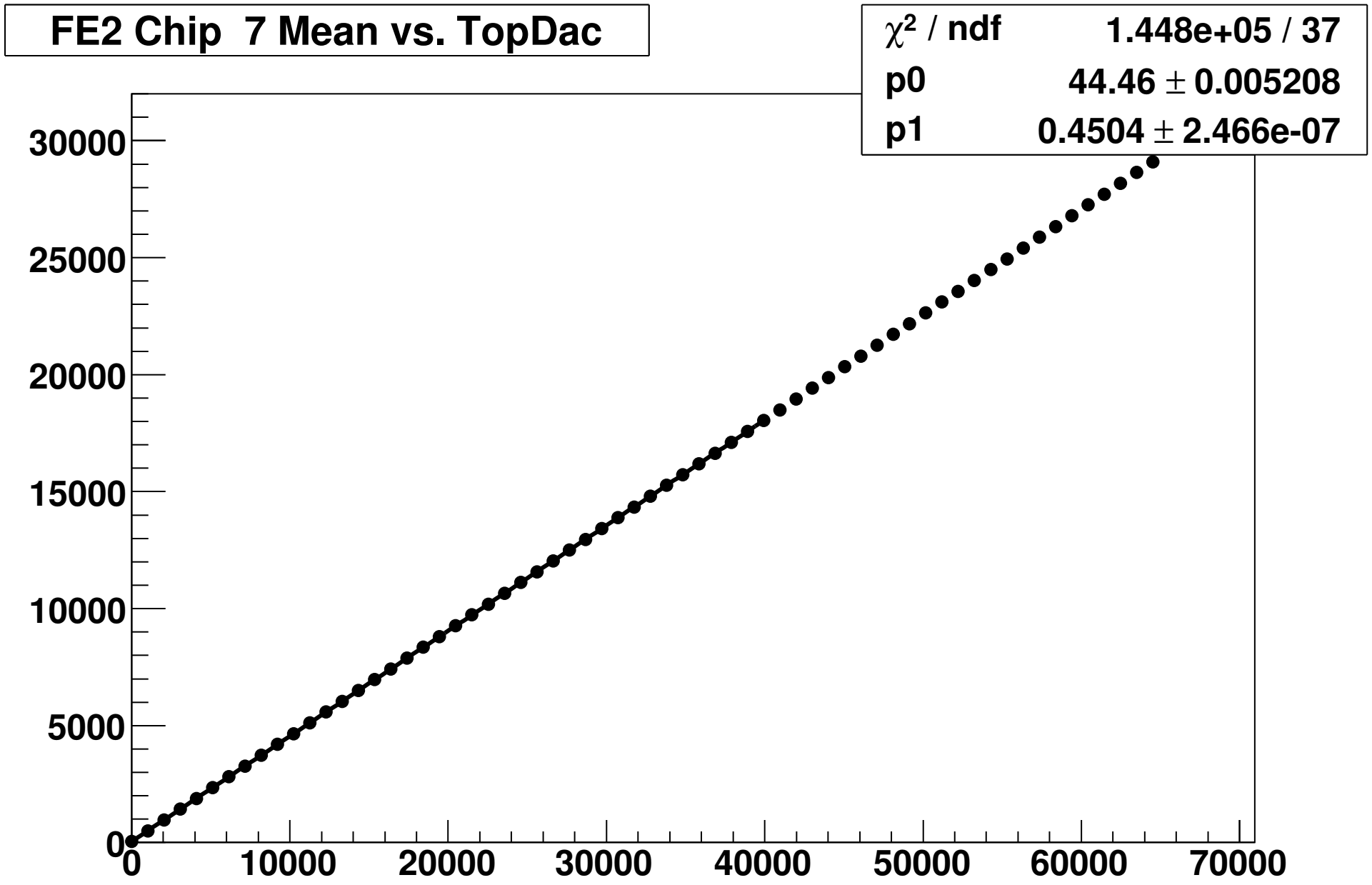
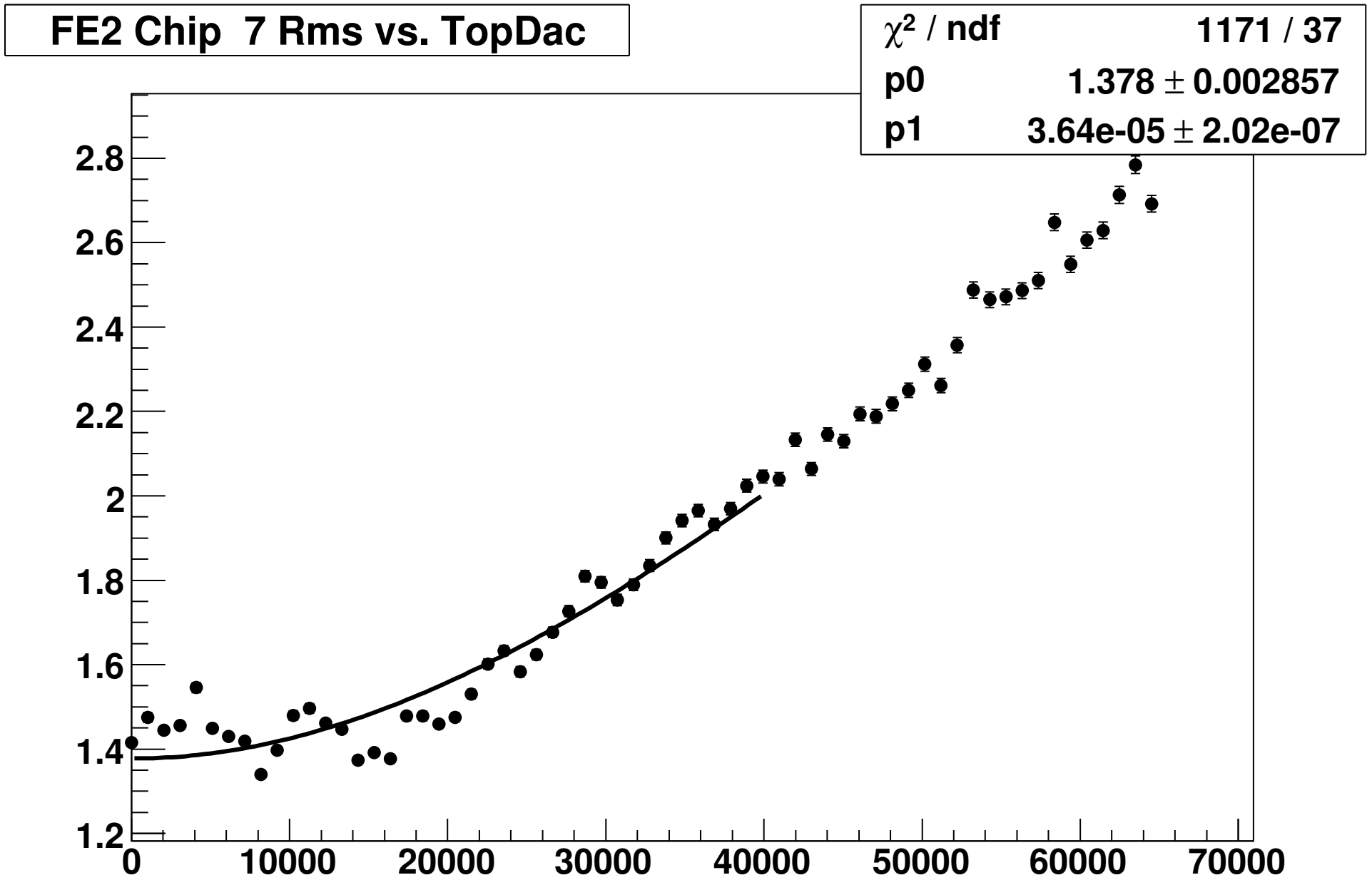
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.448e+05 / 37
p0 44.46 ± 0.005208
p1 0.4504 ± 2.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1171 / 37
p0 1.378 ± 0.002857
p1 3.64e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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40000
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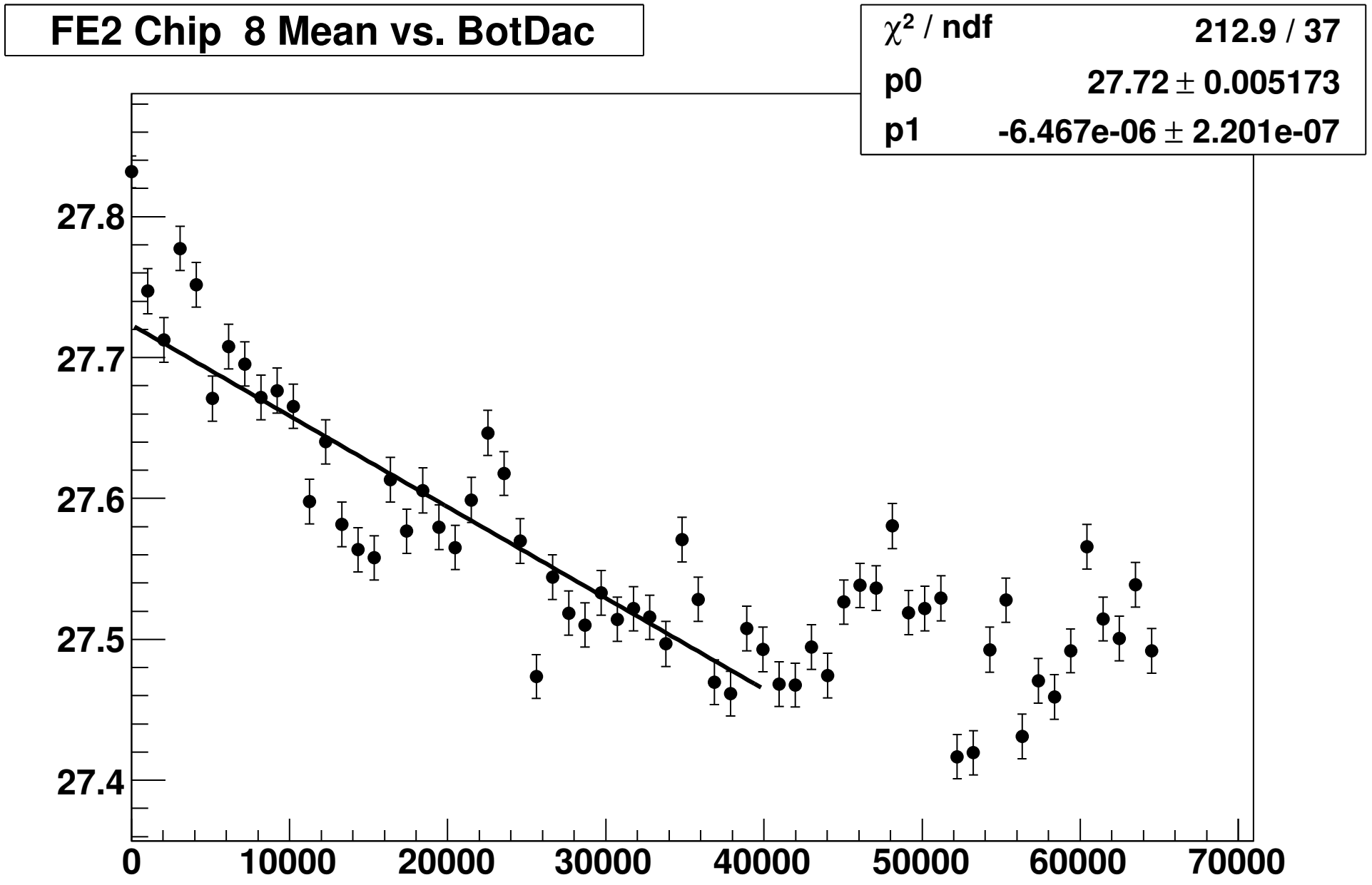
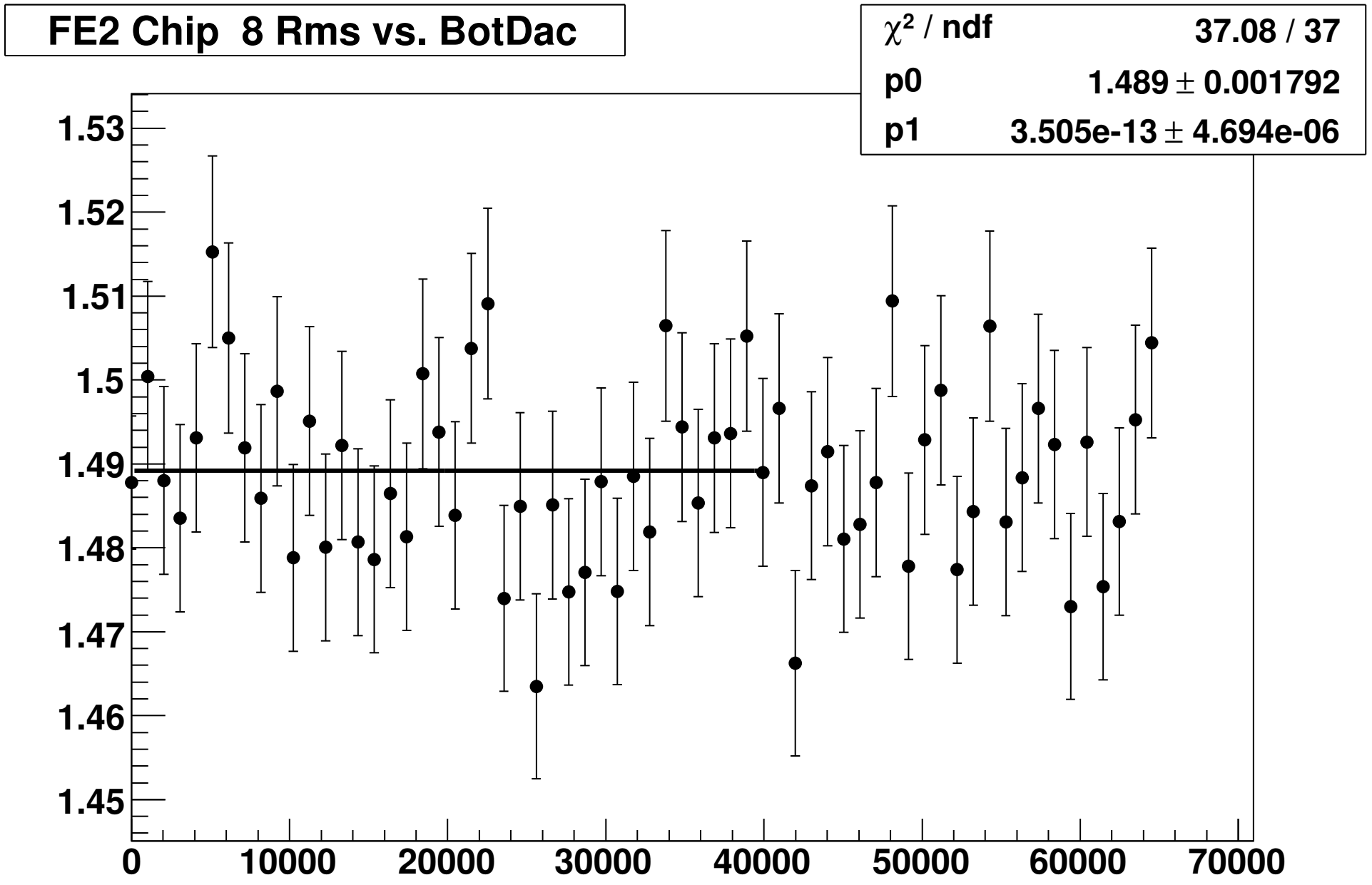
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 212.9 / 37
p0 27.72 ± 0.005173
p1 -6.467e-06 ± 2.201e-07
27.8
27.7
27.6
27.5
27.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 37.08 / 37
p0 1.489 ± 0.001792
p1 3.505e-13 ± 4.694e-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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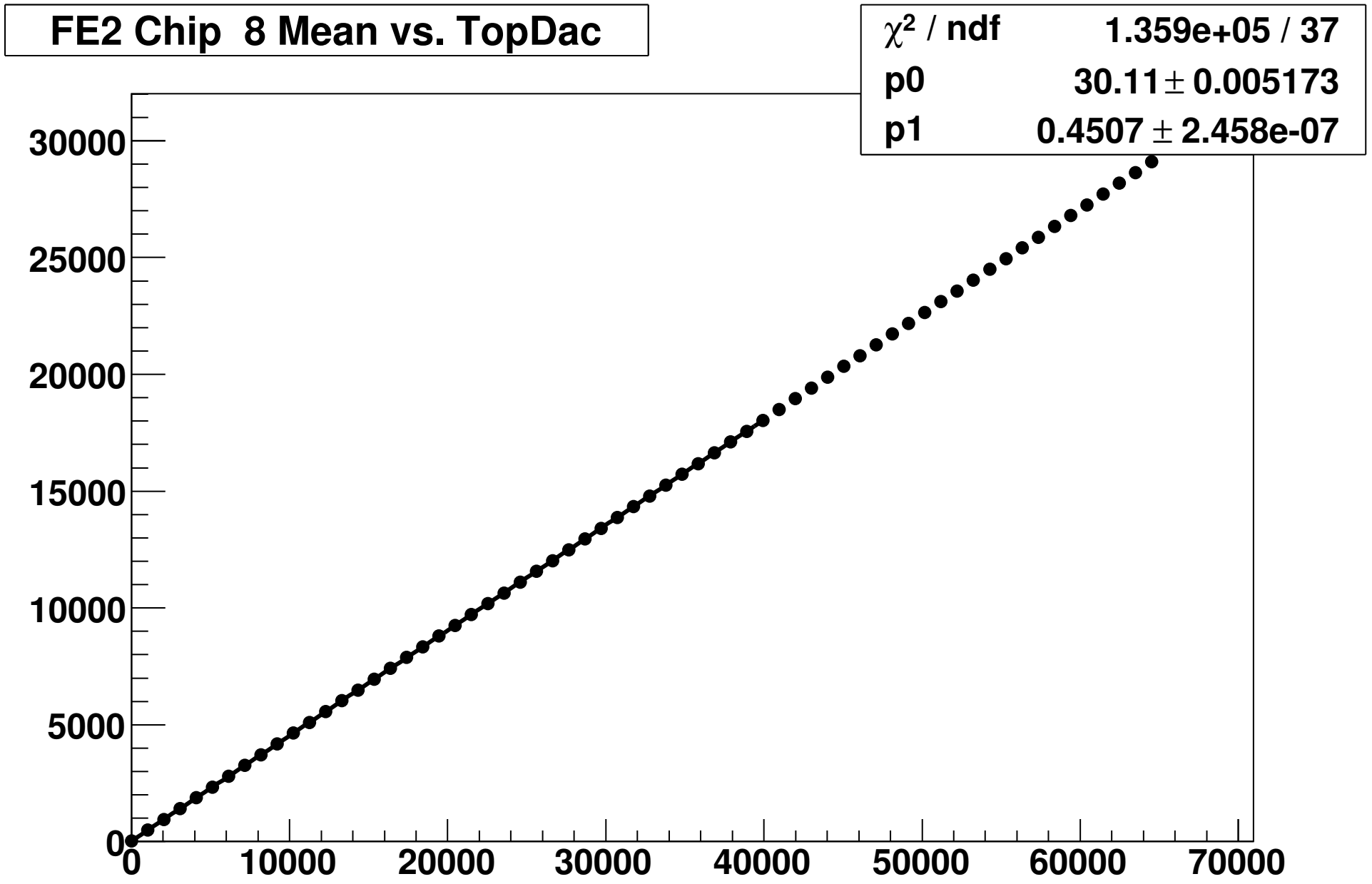
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.359e+05 / 37
p0 30.11 ± 0.005173
p1 0.4507 ± 2.458e-07
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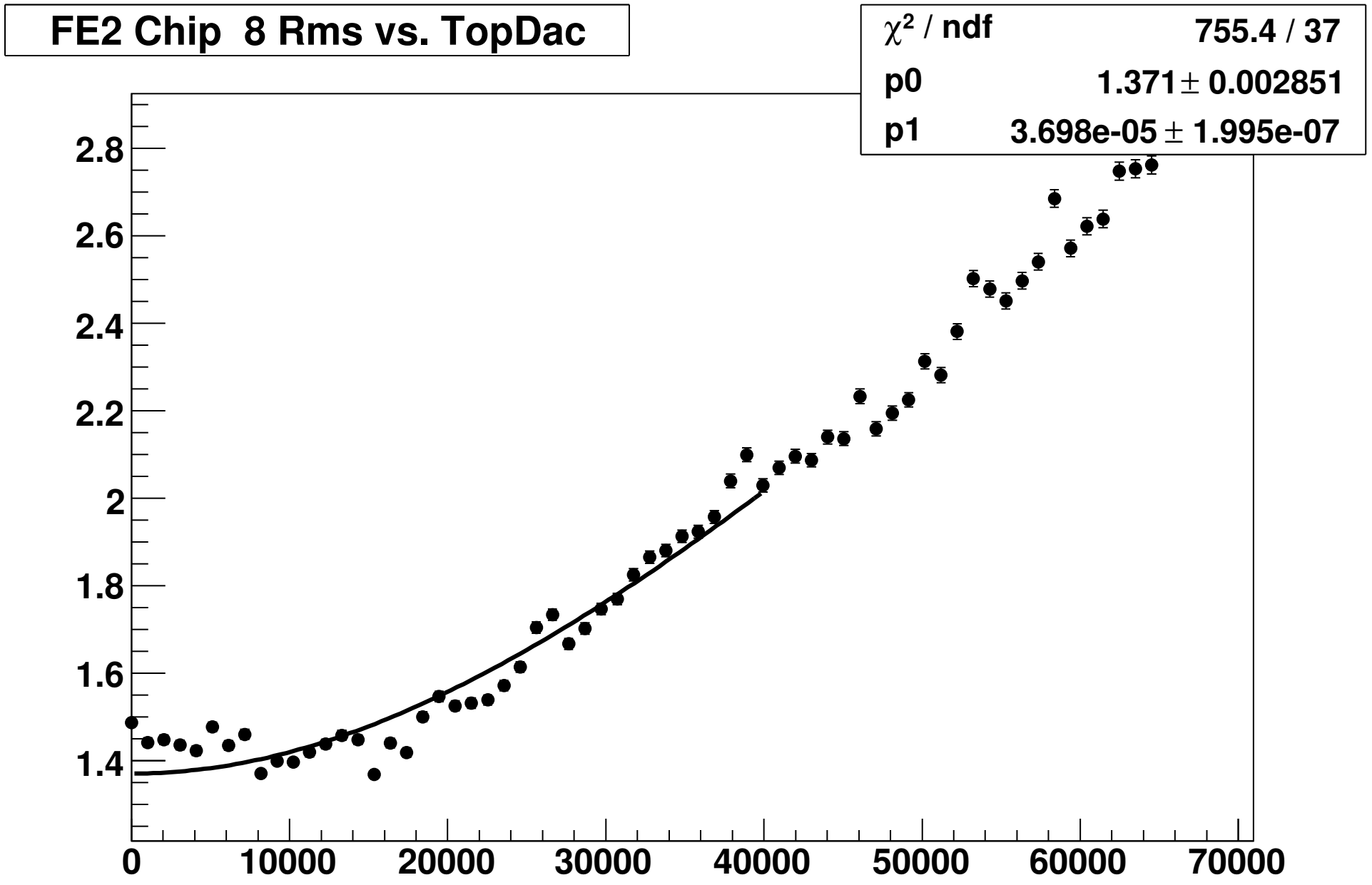
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 755.4 / 37
p0 1.371 ± 0.002851
p1 3.698e-05 ± 1.995e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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60000
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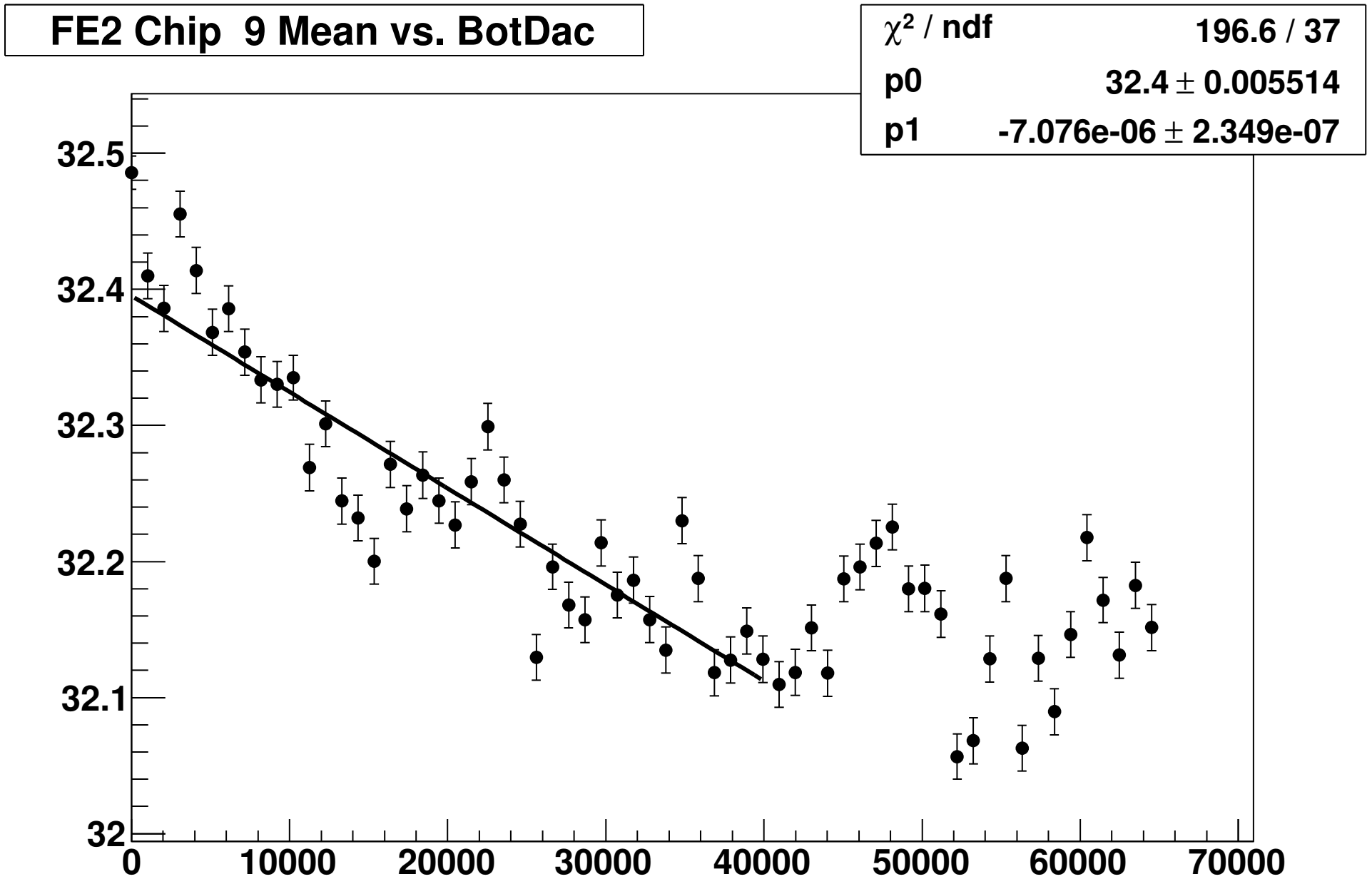
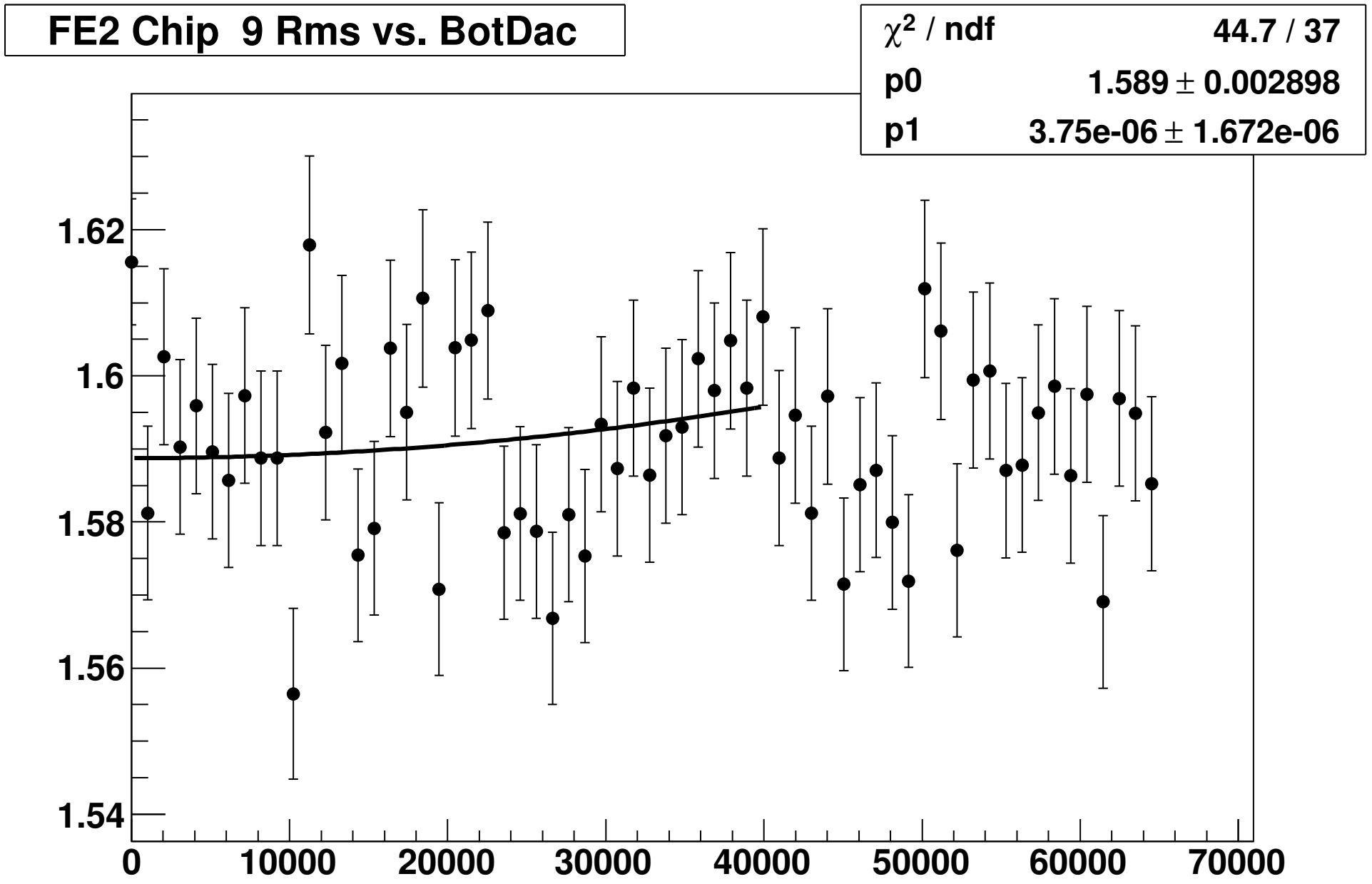

FE2 Chip 9 Mean vs. BotDac
χ² / ndf 196.6 / 37
p0 32.4 ± 0.005514
p1 -7.076e-06 ± 2.349e-07
32.5
32.4
32.3
32.2
32.1
32
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 44.7 / 37
p0 1.589 ± 0.002898
p1 3.75e-06 ± 1.672e-06
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
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60000
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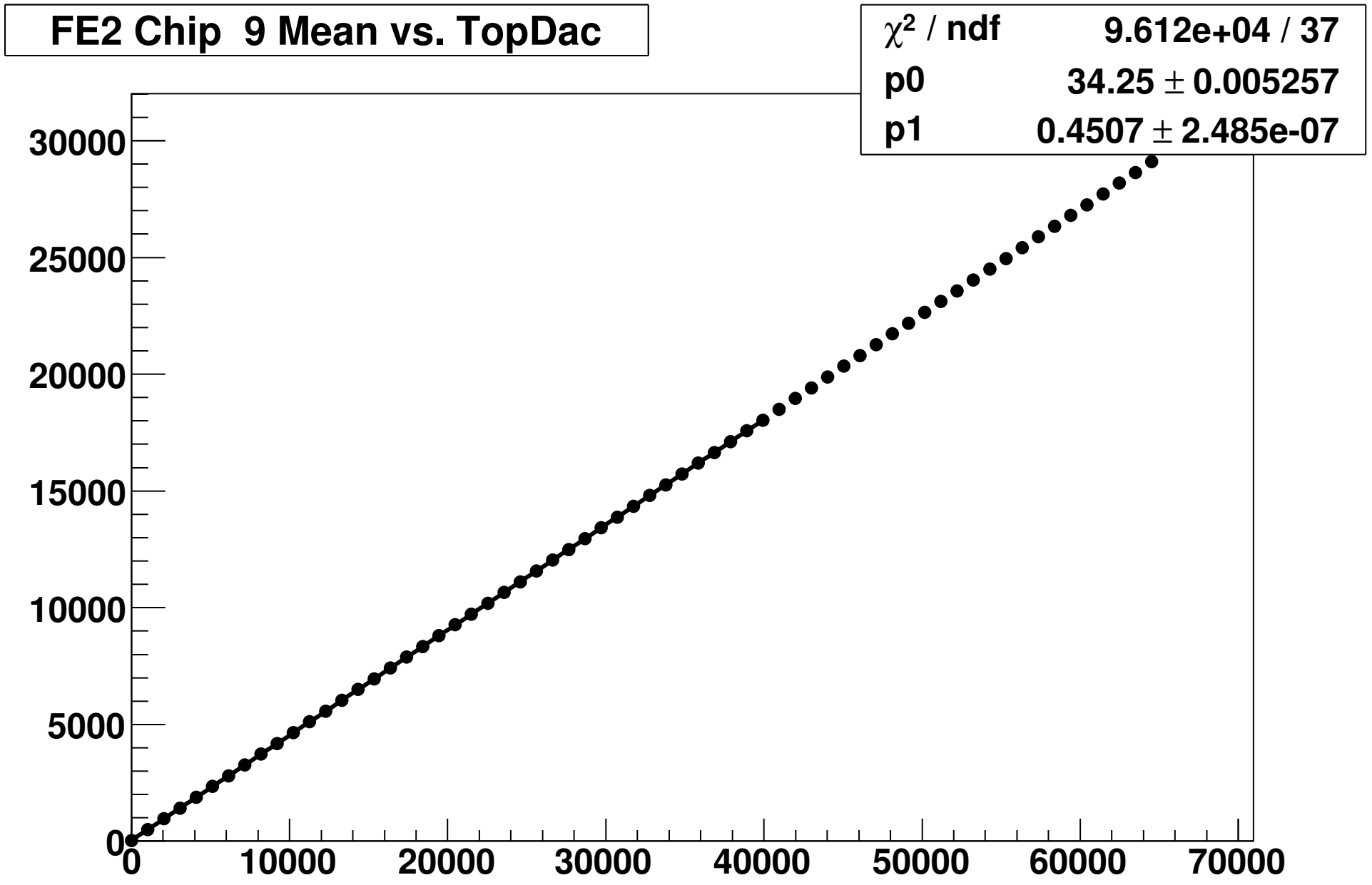
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 9.612e+04 / 37
p0 34.25 ± 0.005257
p1 0.4507 ± 2.485e-07
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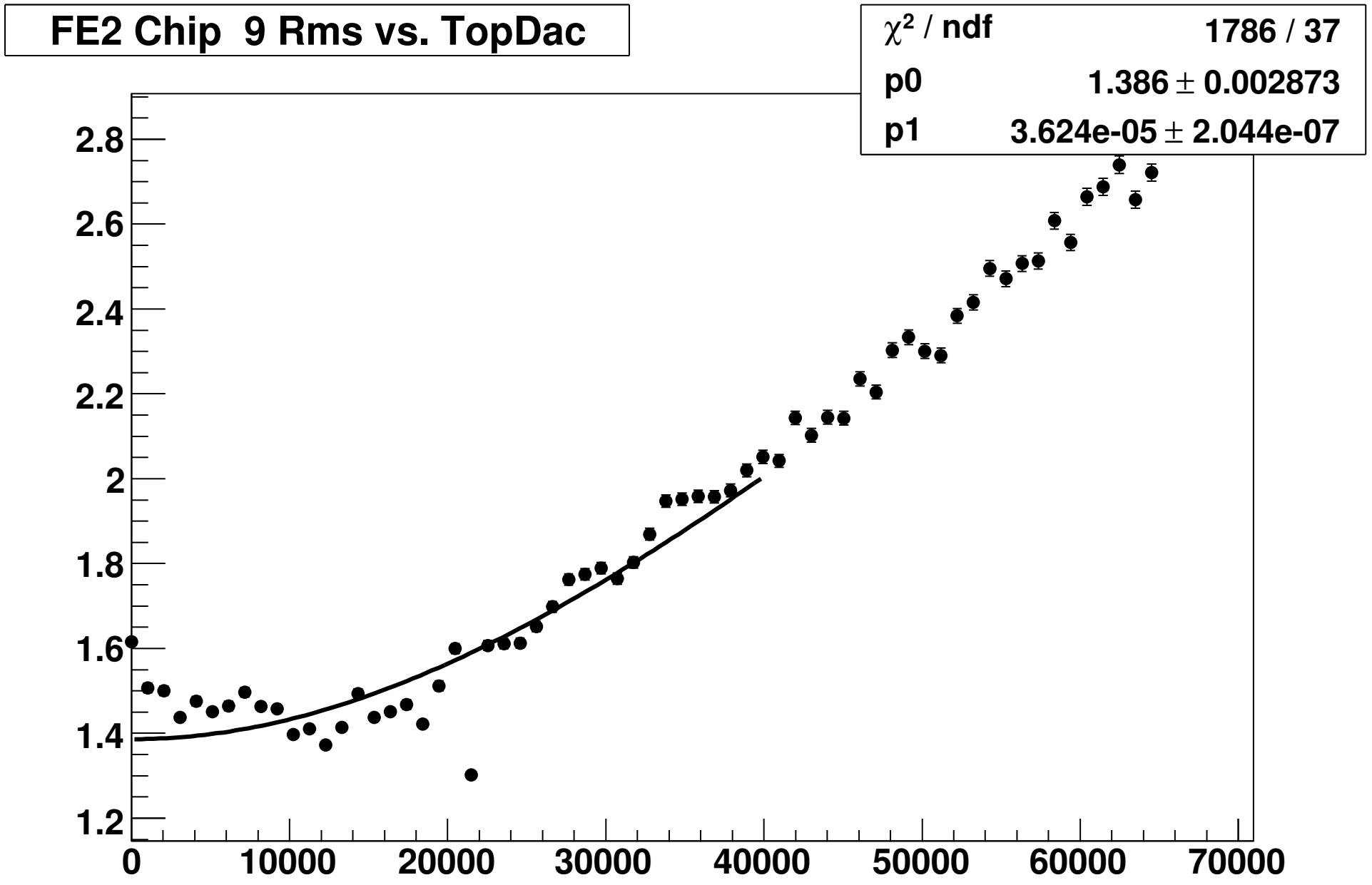
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1786 / 37
p0 1.386 ± 0.002873
p1 3.624e-05 ± 2.044e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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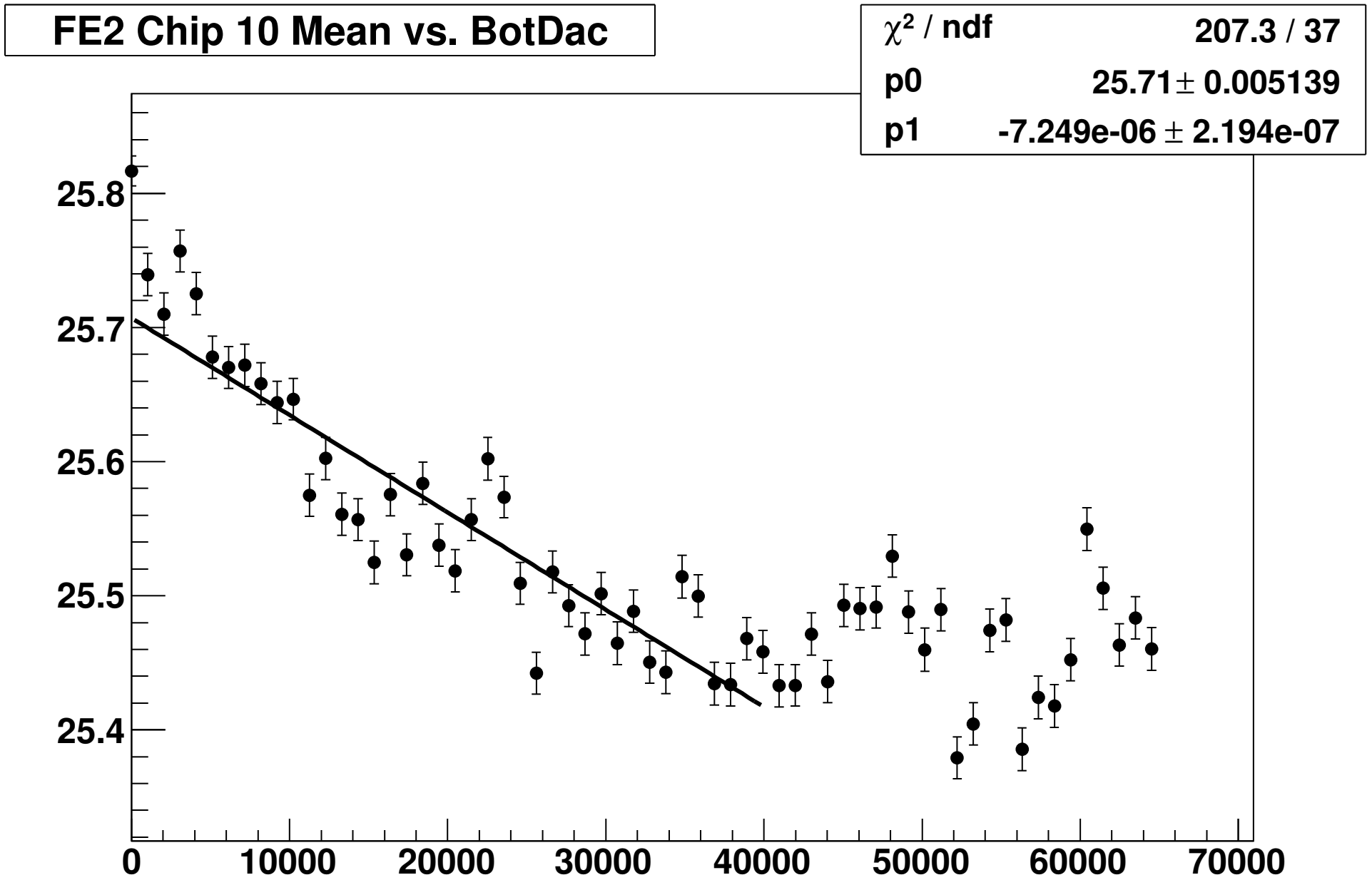
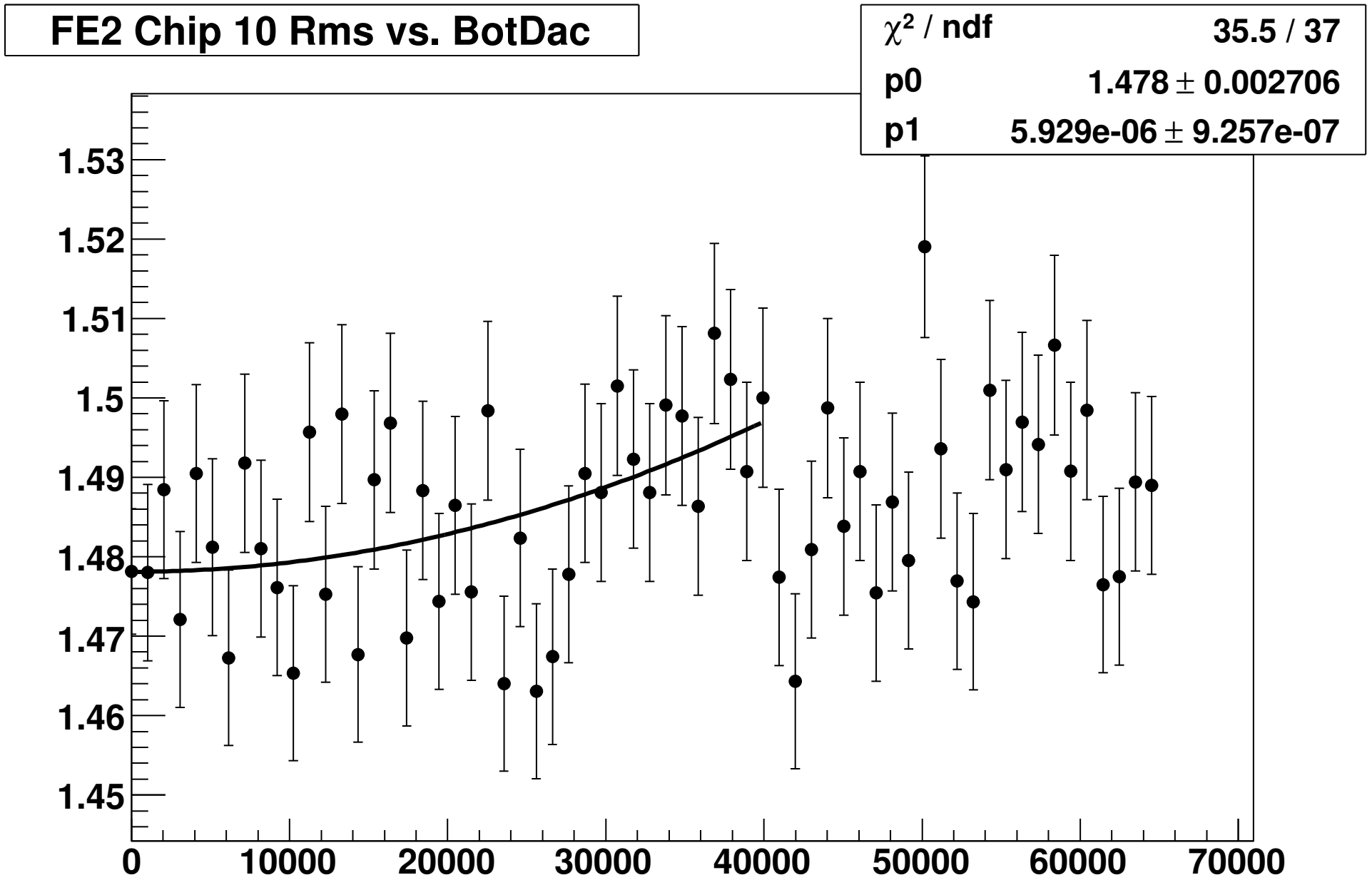

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 207.3 / 37
p0 25.71 ± 0.005139
p1 -7.249e-06 ± 2.194e-07
25.8
25.7
25.6
25.5
25.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 35.5 / 37
p0 1.478 ± 0.002706
p1 5.929e-06 ± 9.257e-07
1.53
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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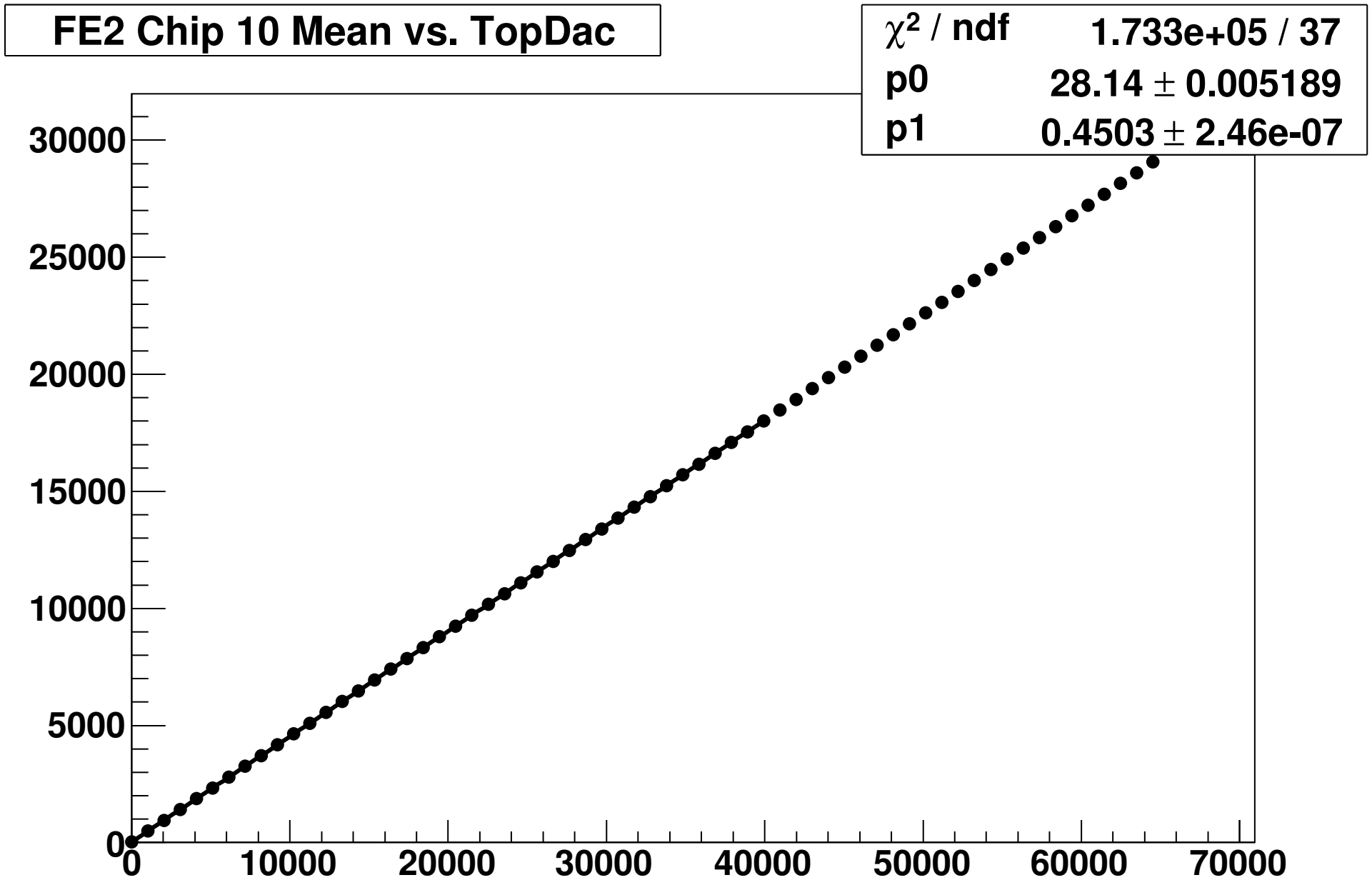
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.733e+05 / 37
p0 28.14 ± 0.005189
p1 0.4503 ± 2.46e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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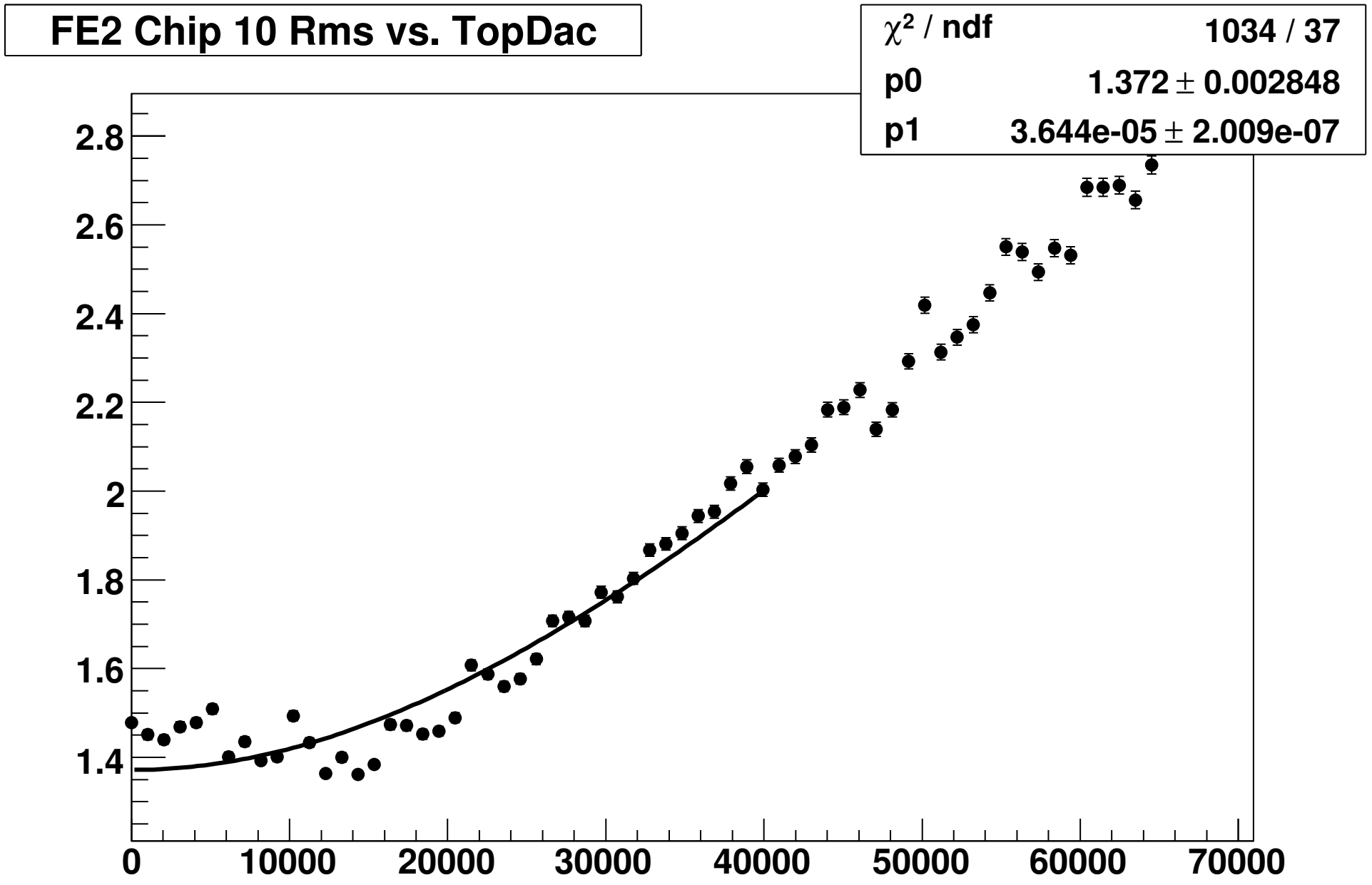
FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1034 / 37
p0 1.372 ± 0.002848
p1 3.644e-05 ± 2.009e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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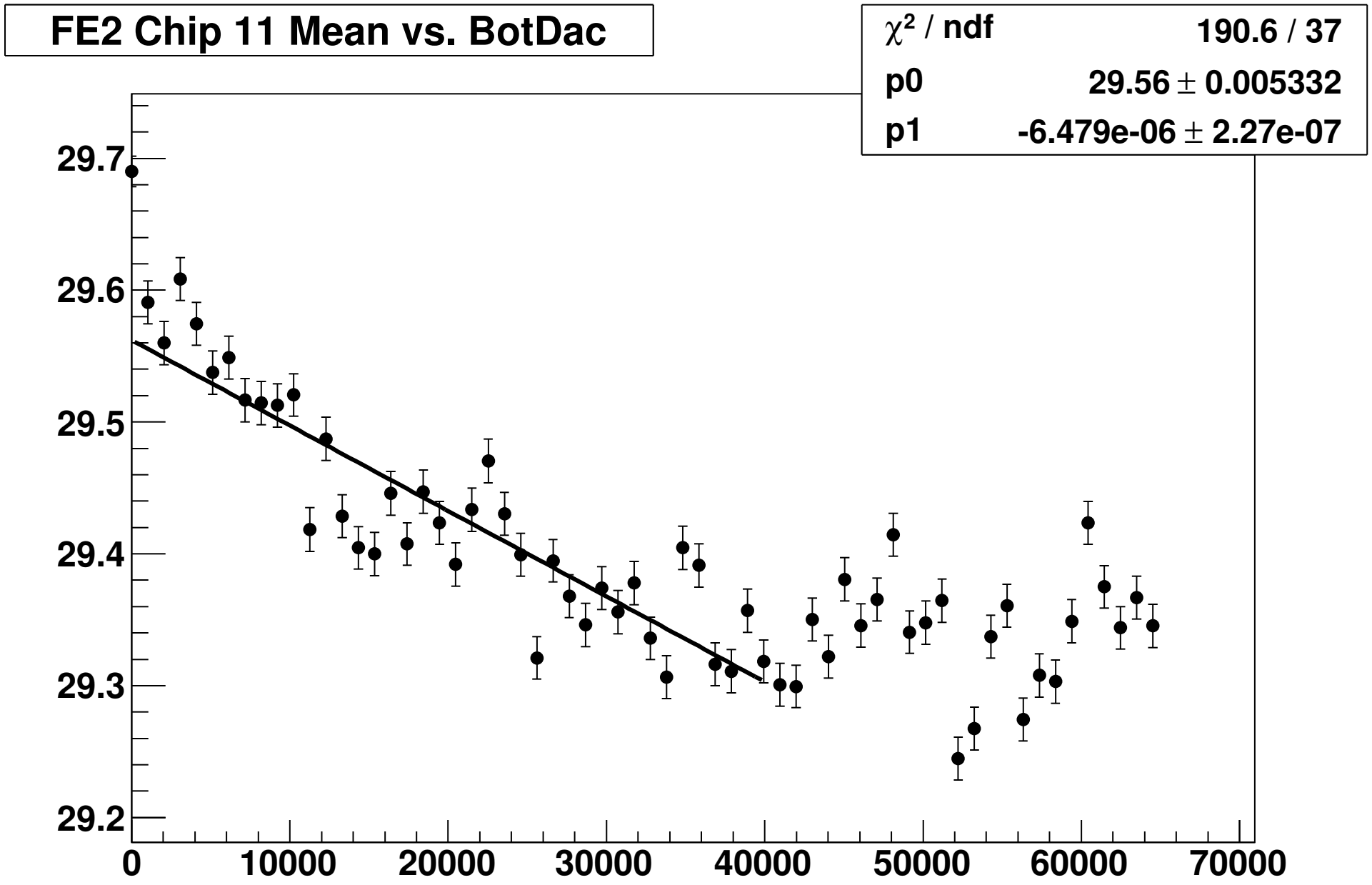
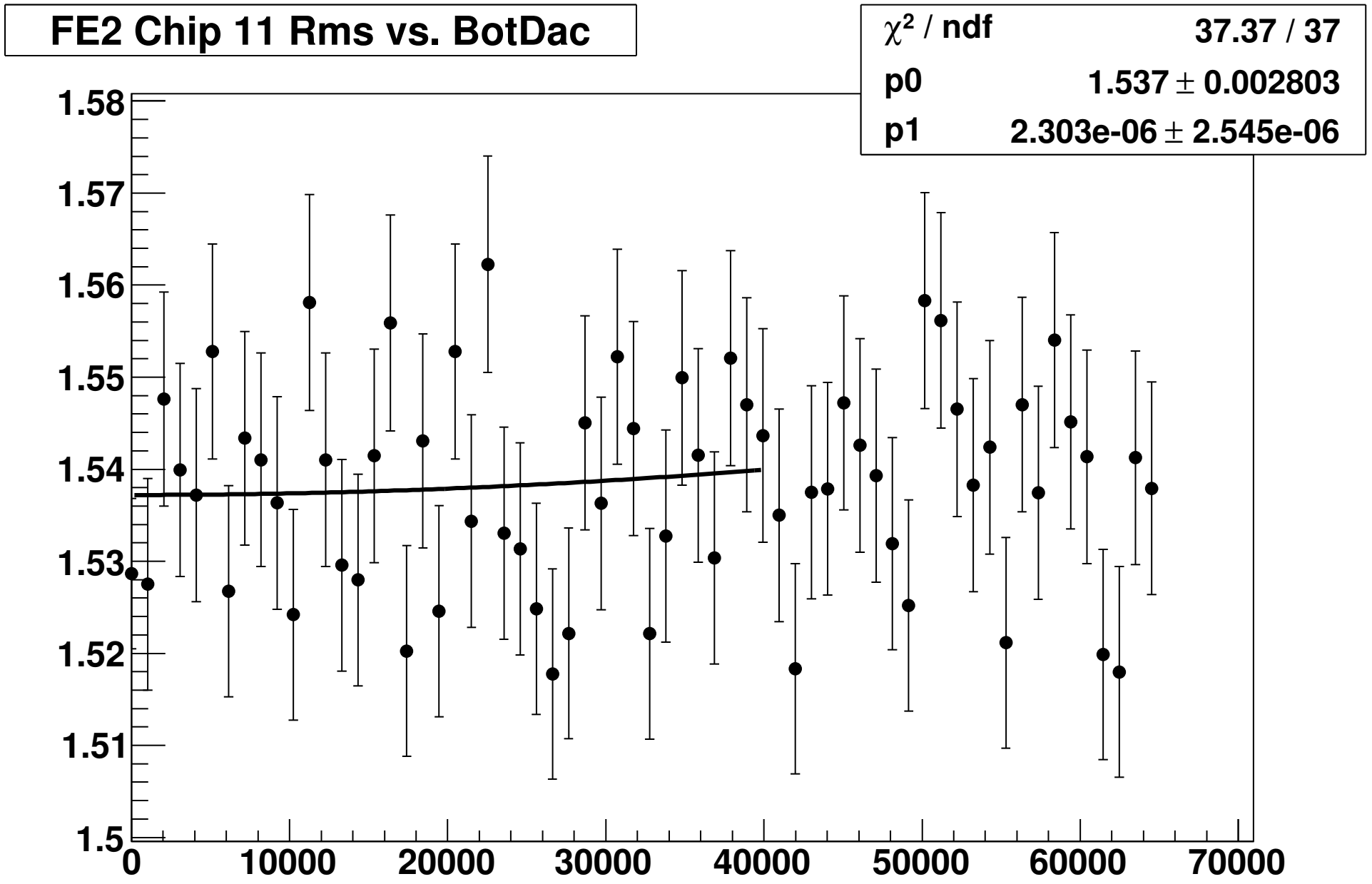

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 190.6 / 37
p0 29.56 ± 0.005332
p1 -6.479e-06 ± 2.27e-07
29.7
29.6
29.5
29.4
29.3
29.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 37.37 / 37
p0 1.537 ± 0.002803
p1 2.303e-06 ± 2.545e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
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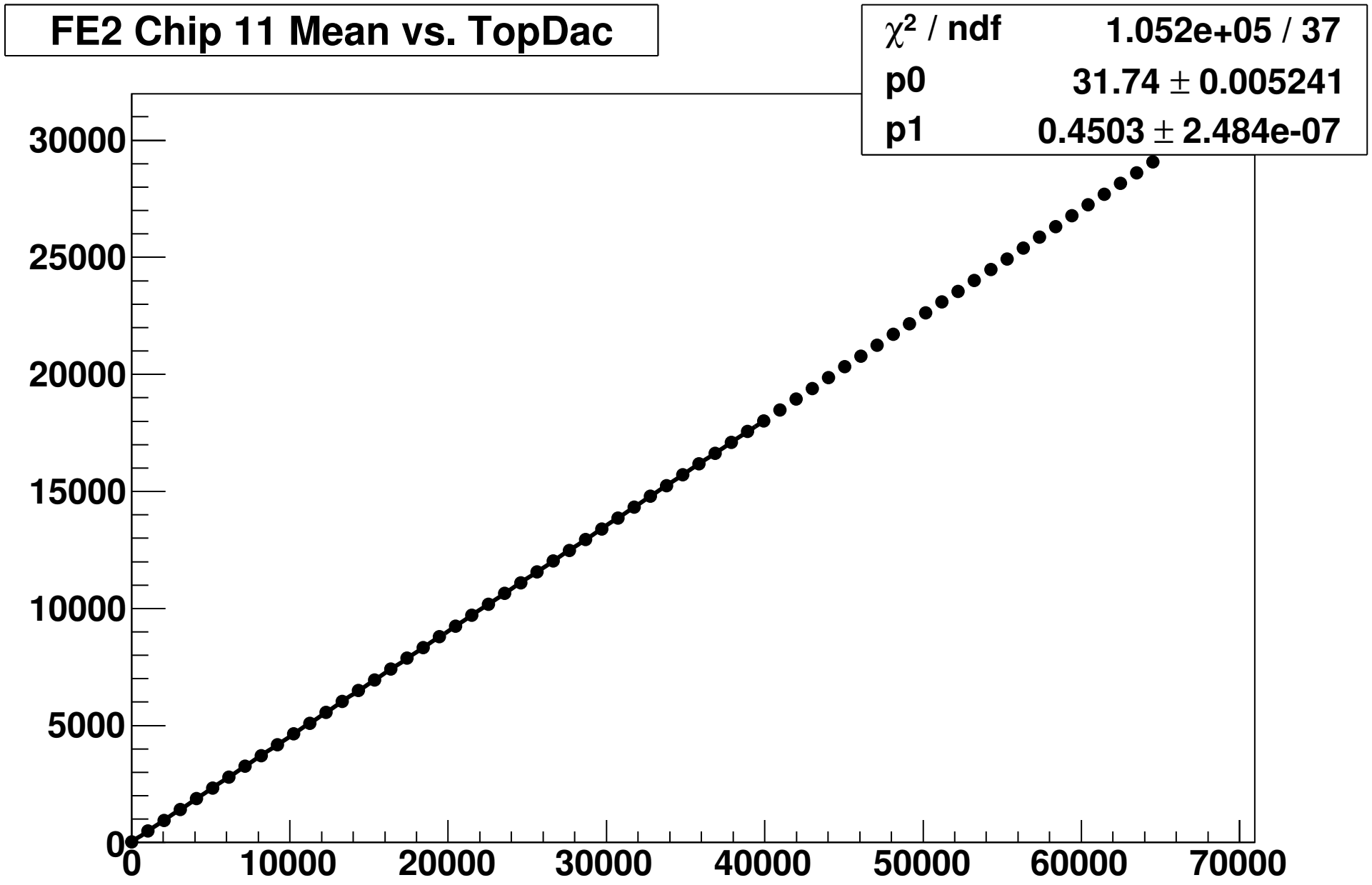
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.052e+05 / 37
p0 31.74 ± 0.005241
p1 0.4503 ± 2.484e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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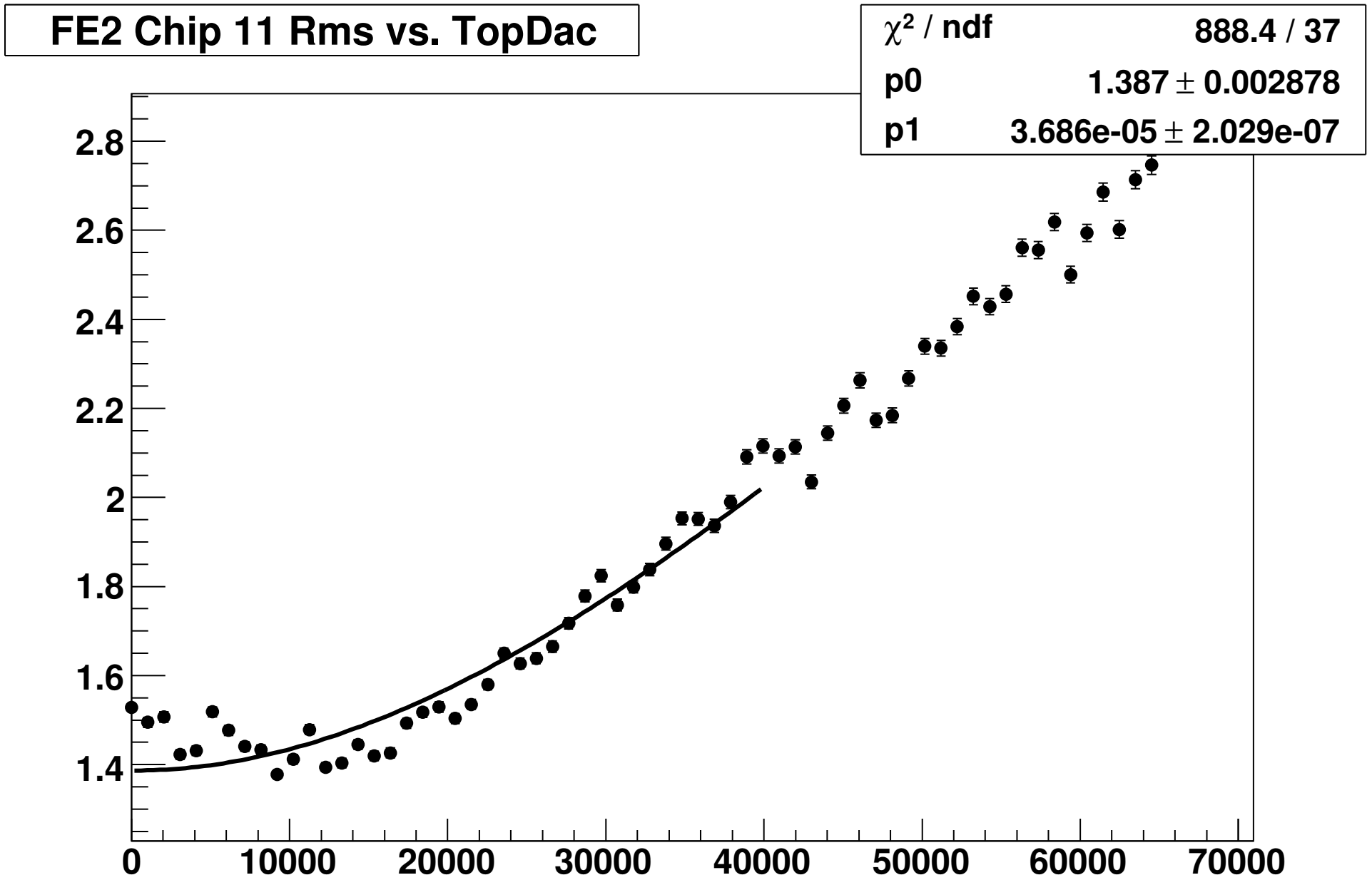
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 888.4 / 37
p0 1.387 ± 0.002878
p1 3.686e-05 ± 2.029e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
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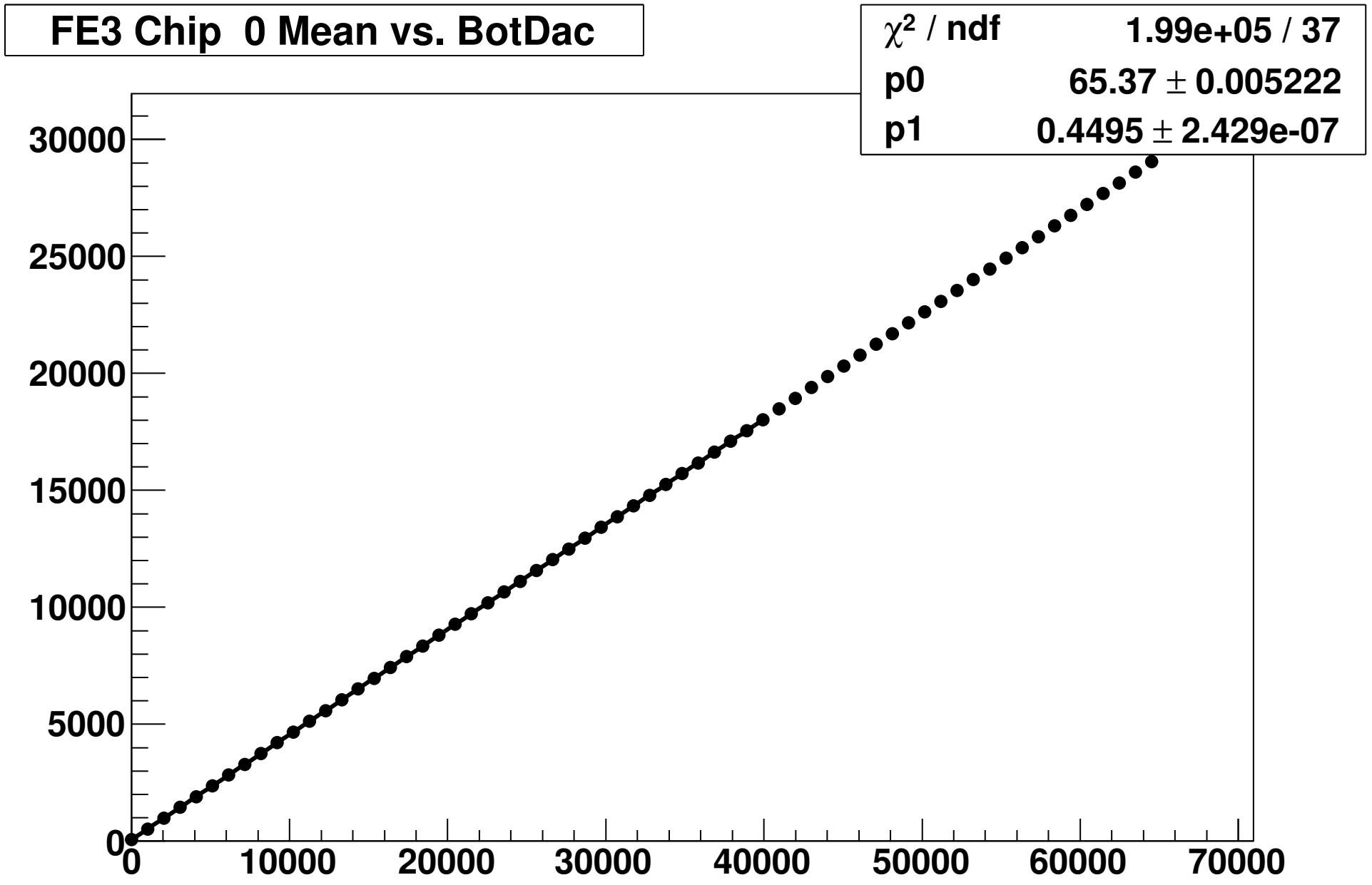
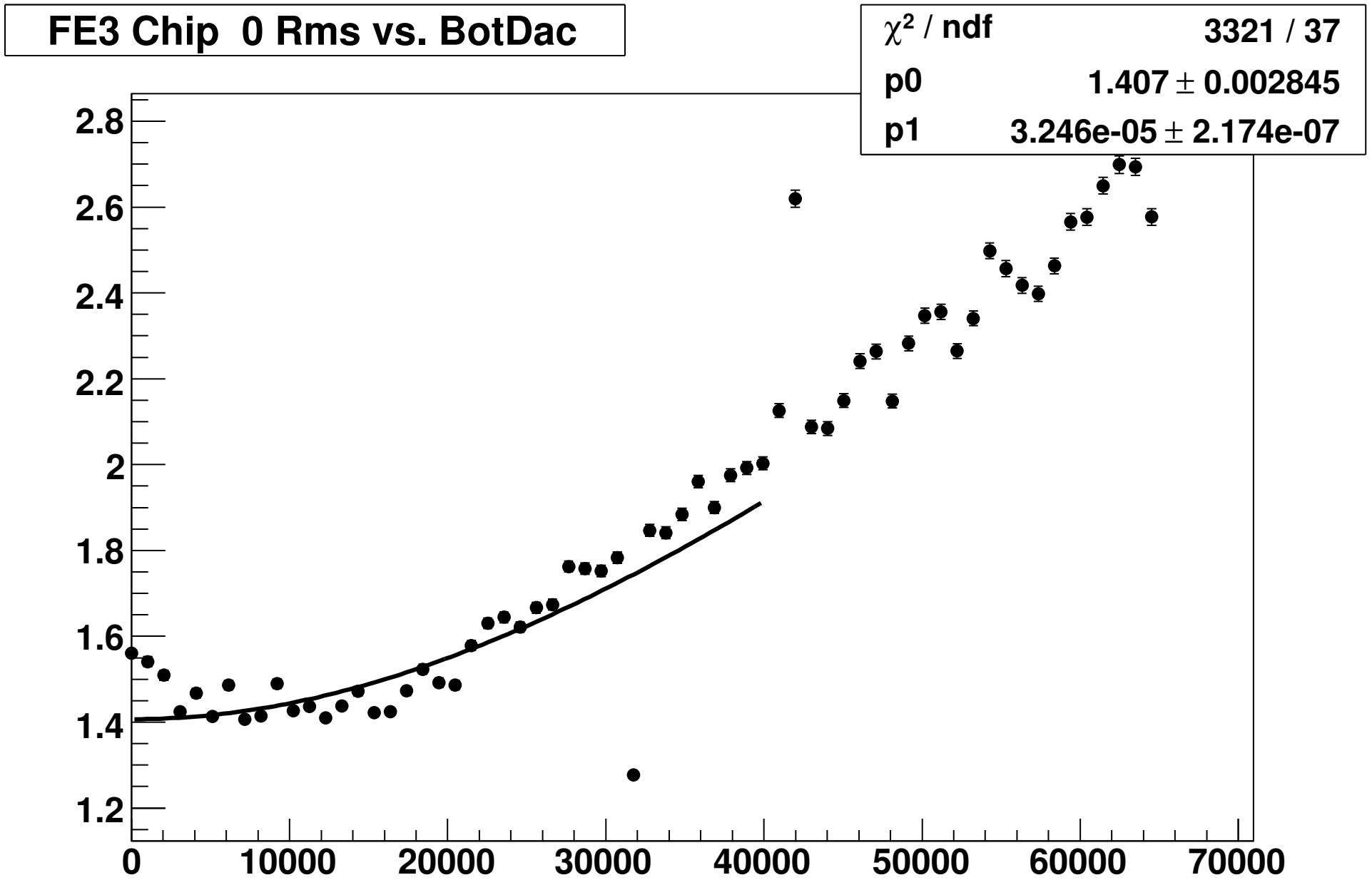

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.99e+05 / 37
p0 65.37 ± 0.005222
p1 0.4495 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 3321 / 37
p0 1.407 ± 0.002845
p1 3.246e-05 ± 2.174e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
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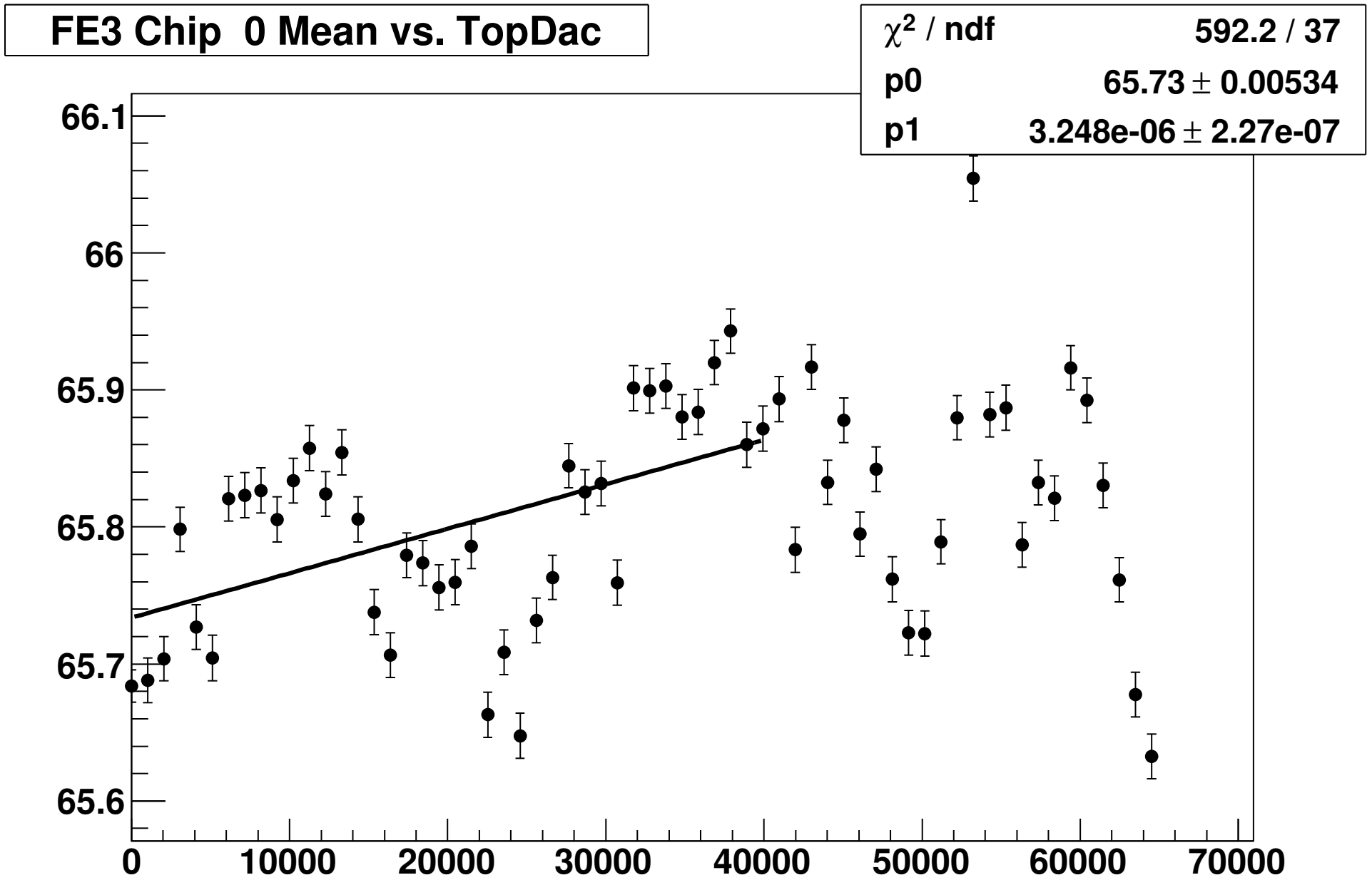
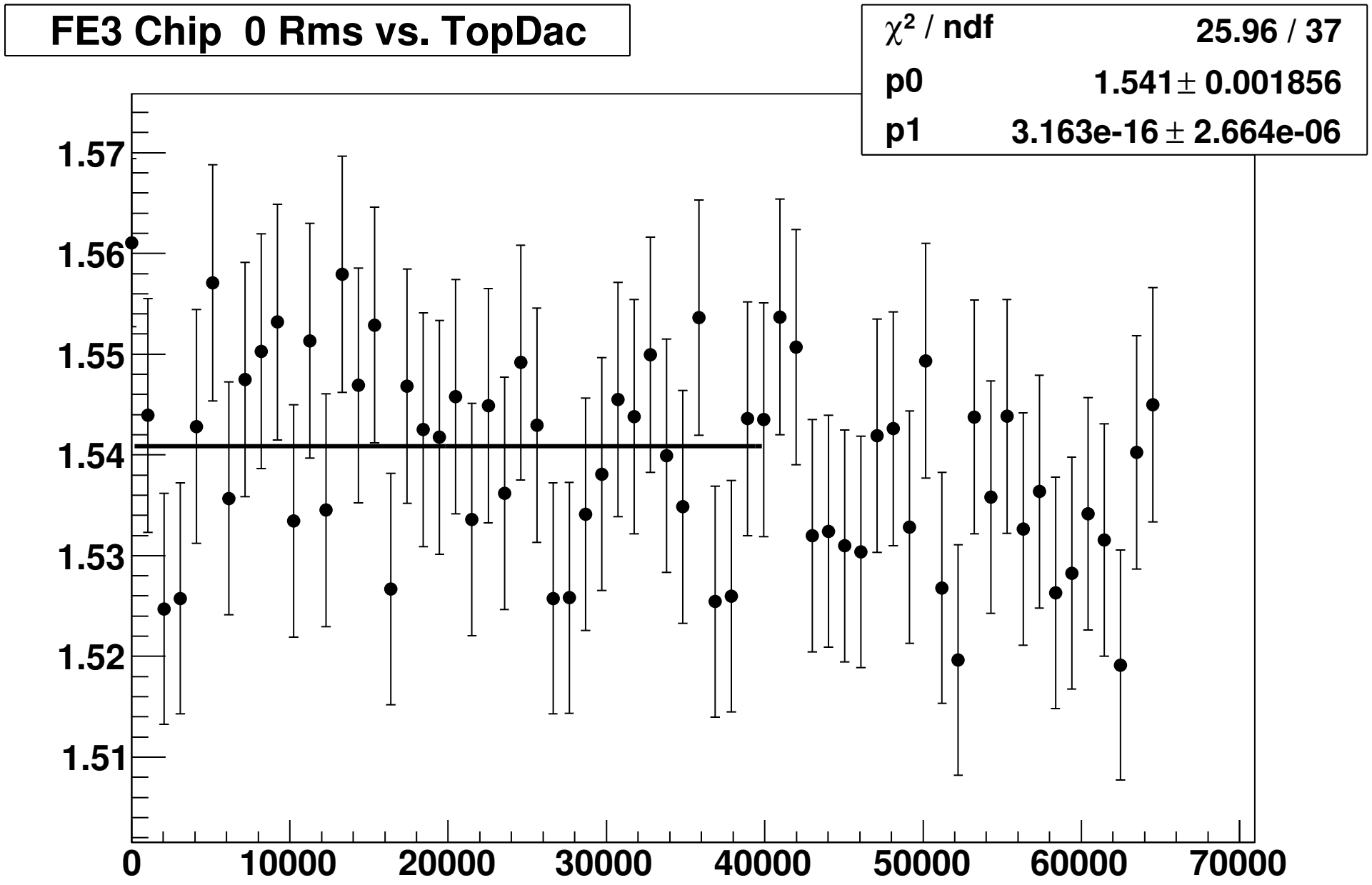

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 592.2 / 37
p0 65.73 ± 0.00534
p1 3.248e-06 ± 2.27e-07
66.1
66
65.9
65.8
65.7
65.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 25.96 / 37
p0 1.541 ± 0.001856
p1 3.163e-16 ± 2.664e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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50000
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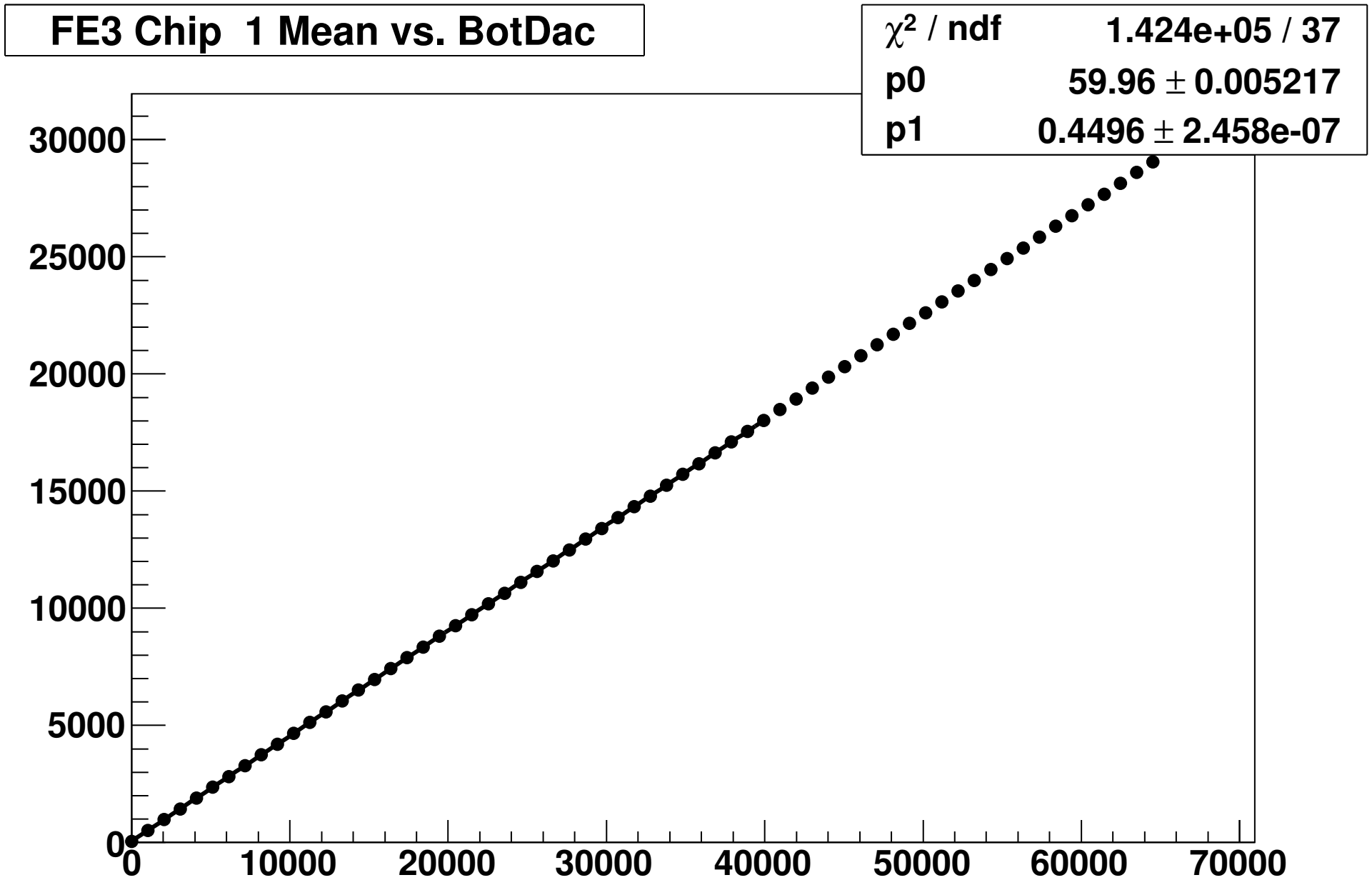
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.424e+05 / 37
p0 59.96 ± 0.005217
p1 0.4496 ± 2.458e-07
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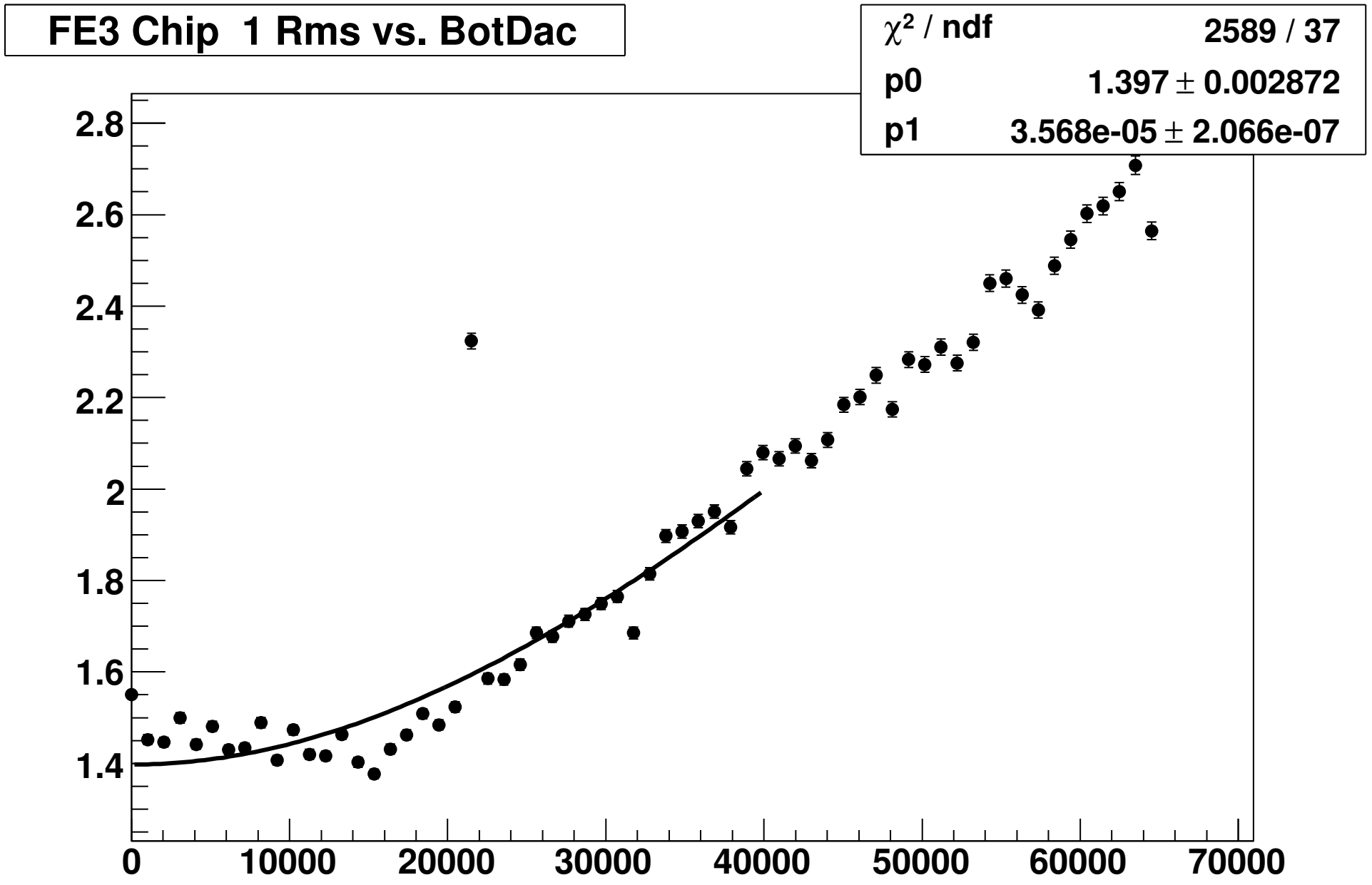
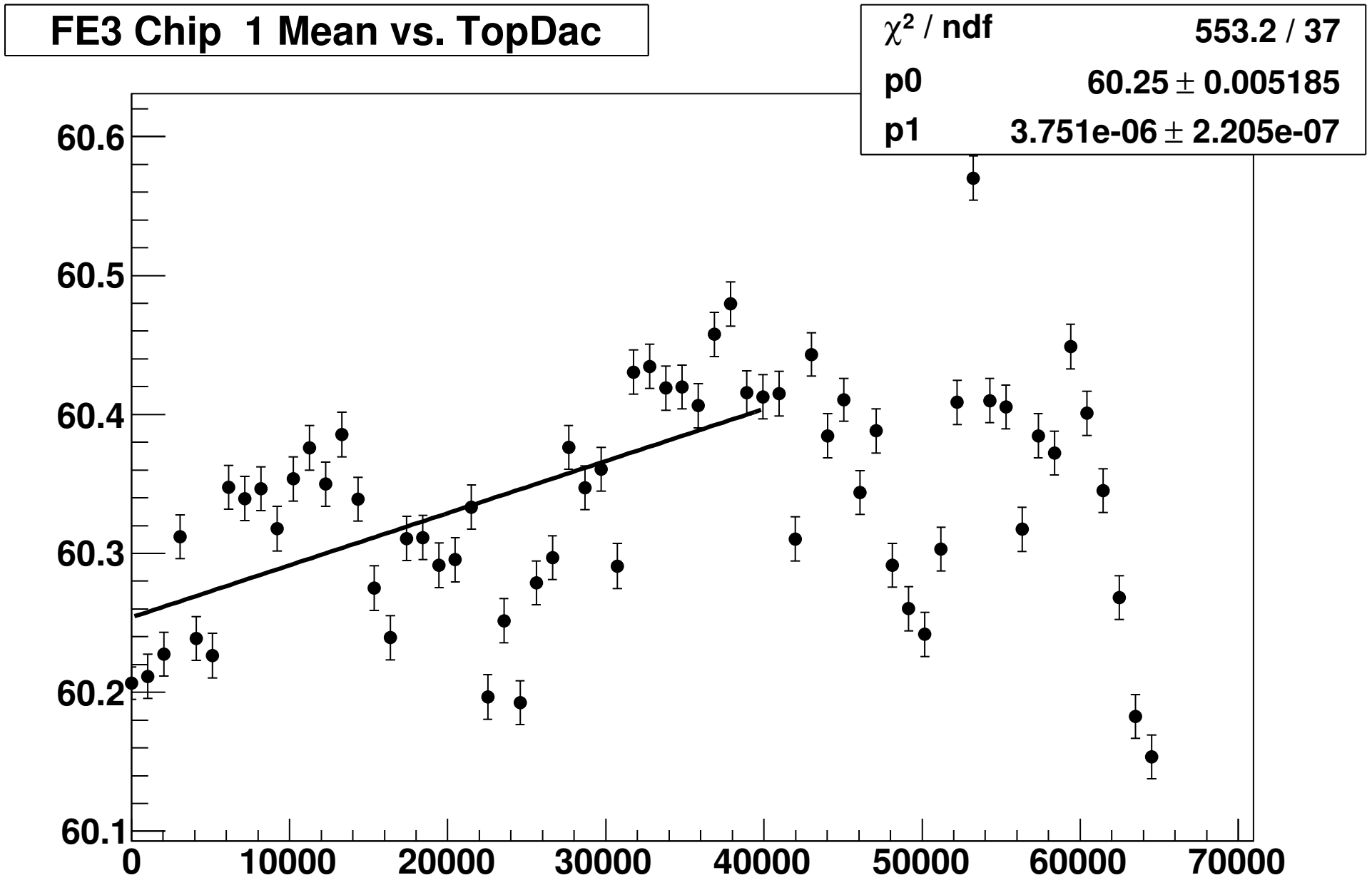
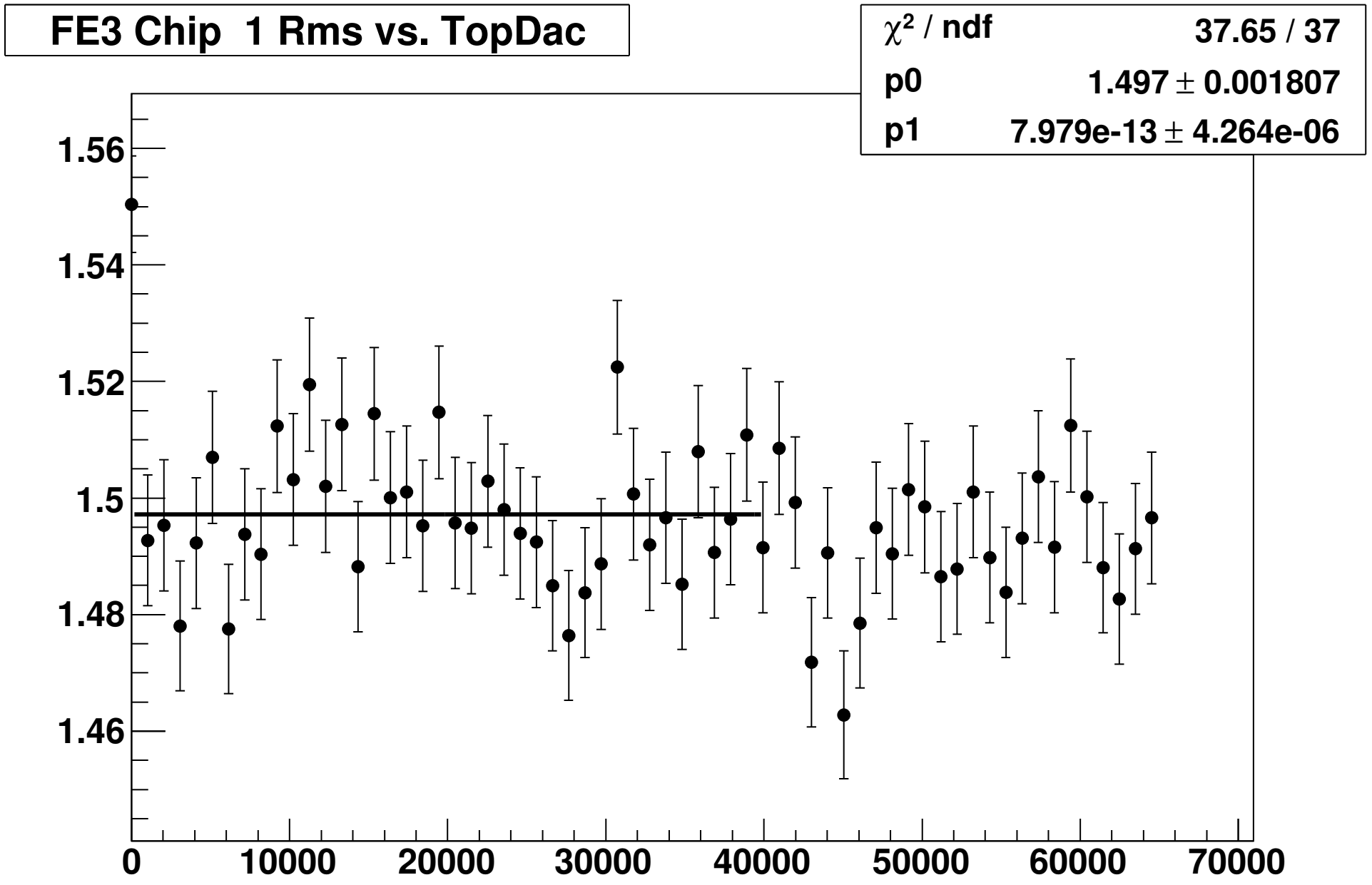
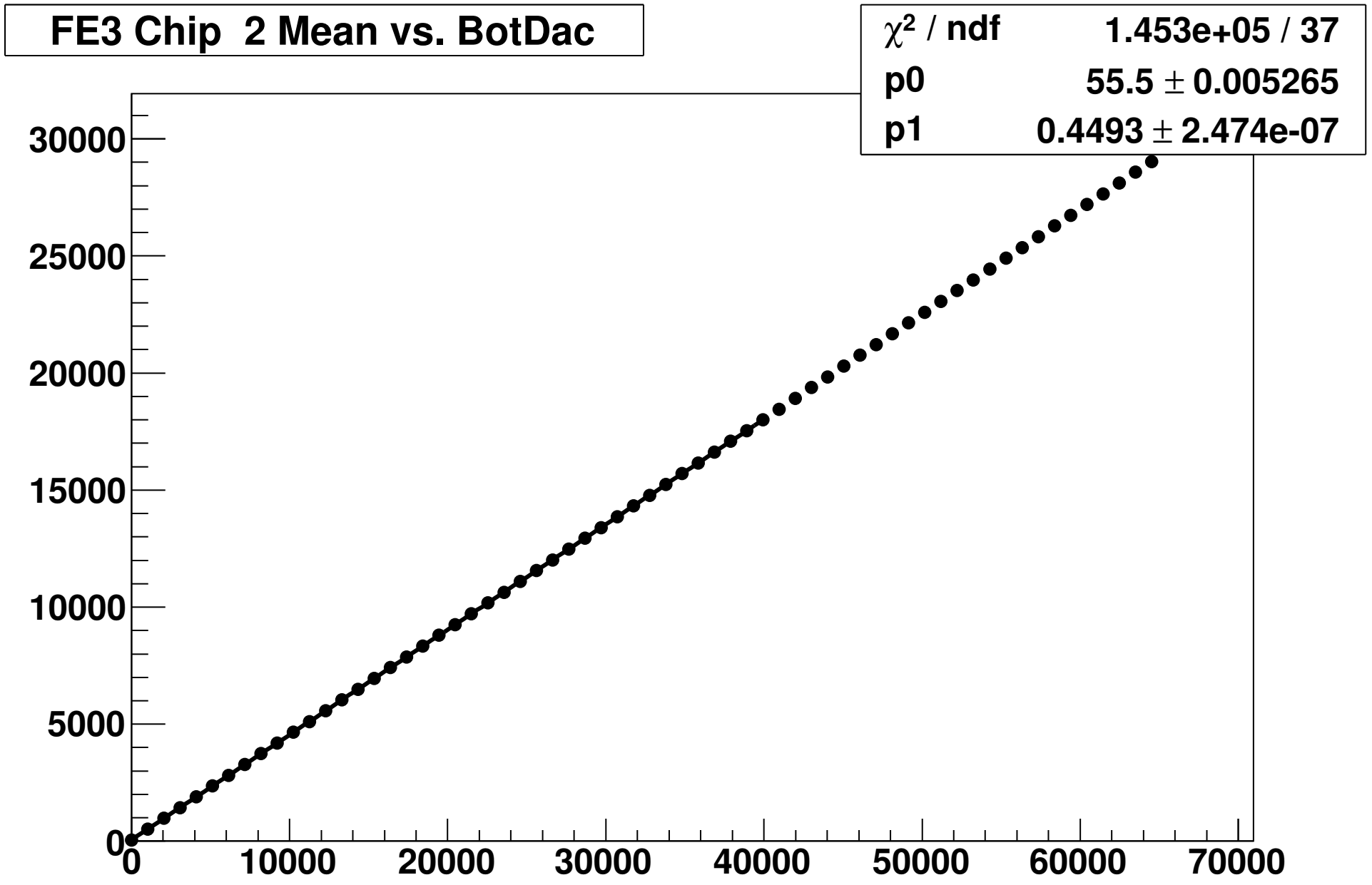
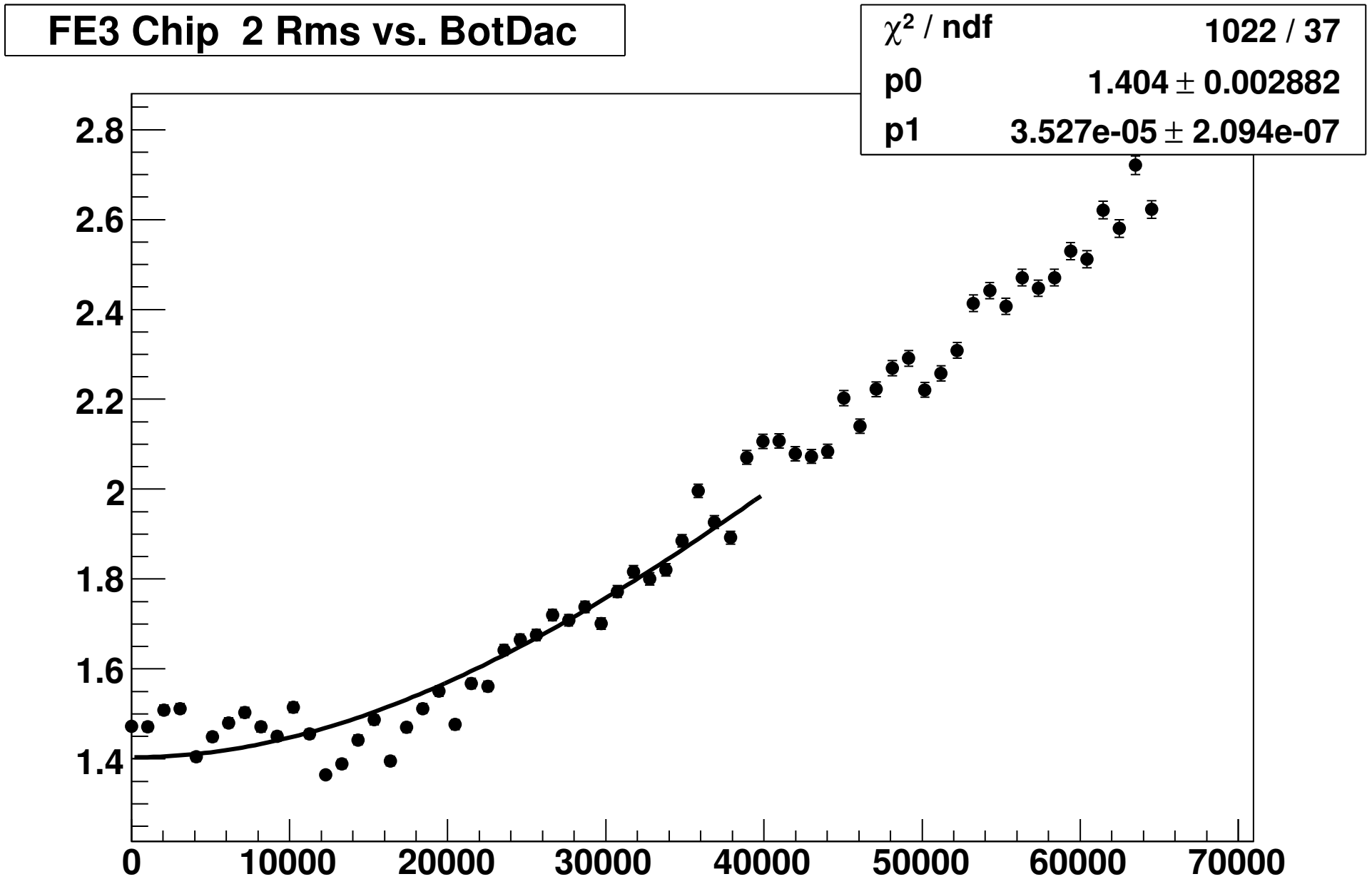
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

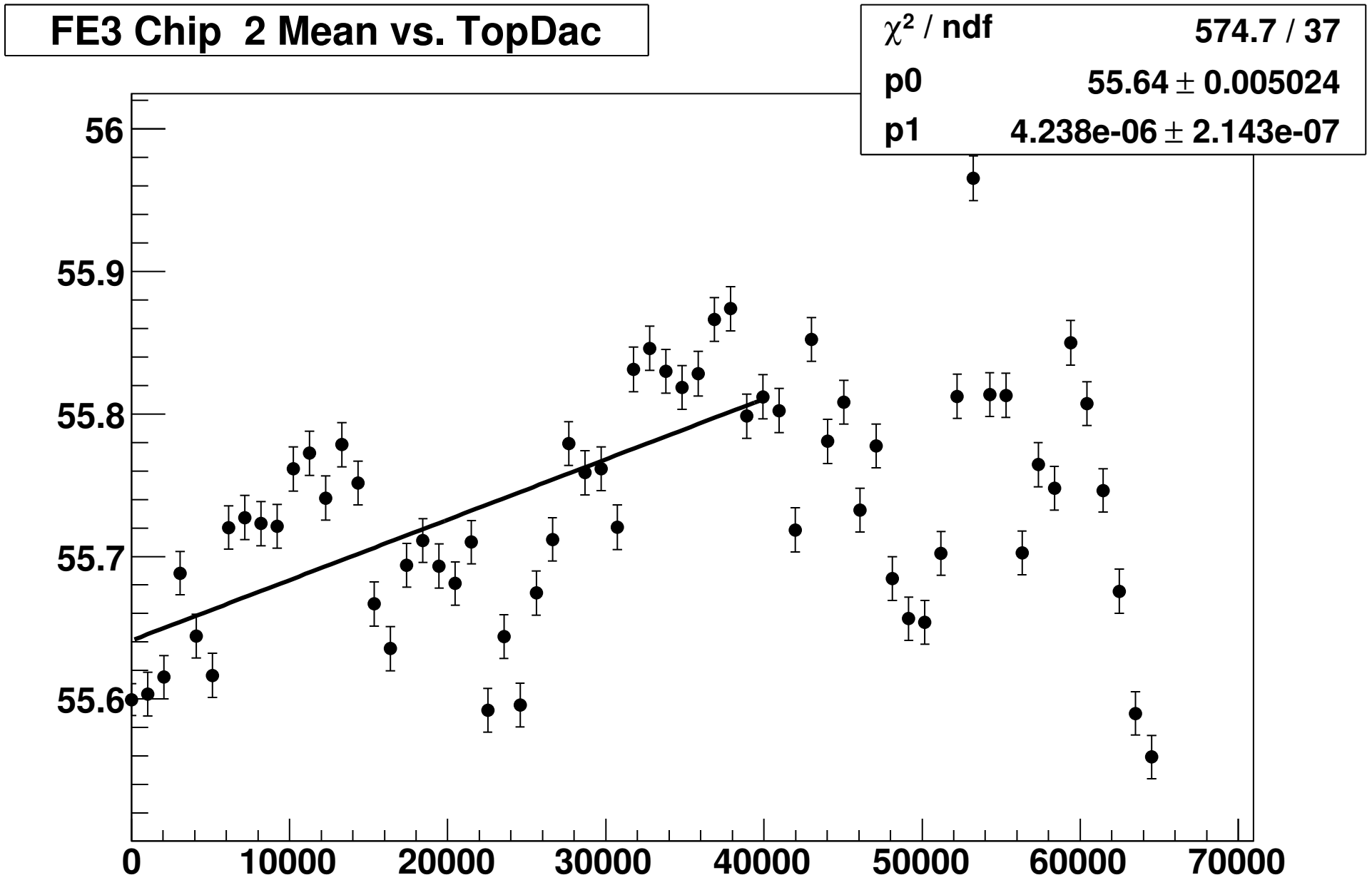

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 2589 / 37
p0 1.397 ± 0.002872
p1 3.568e-05 ± 2.066e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

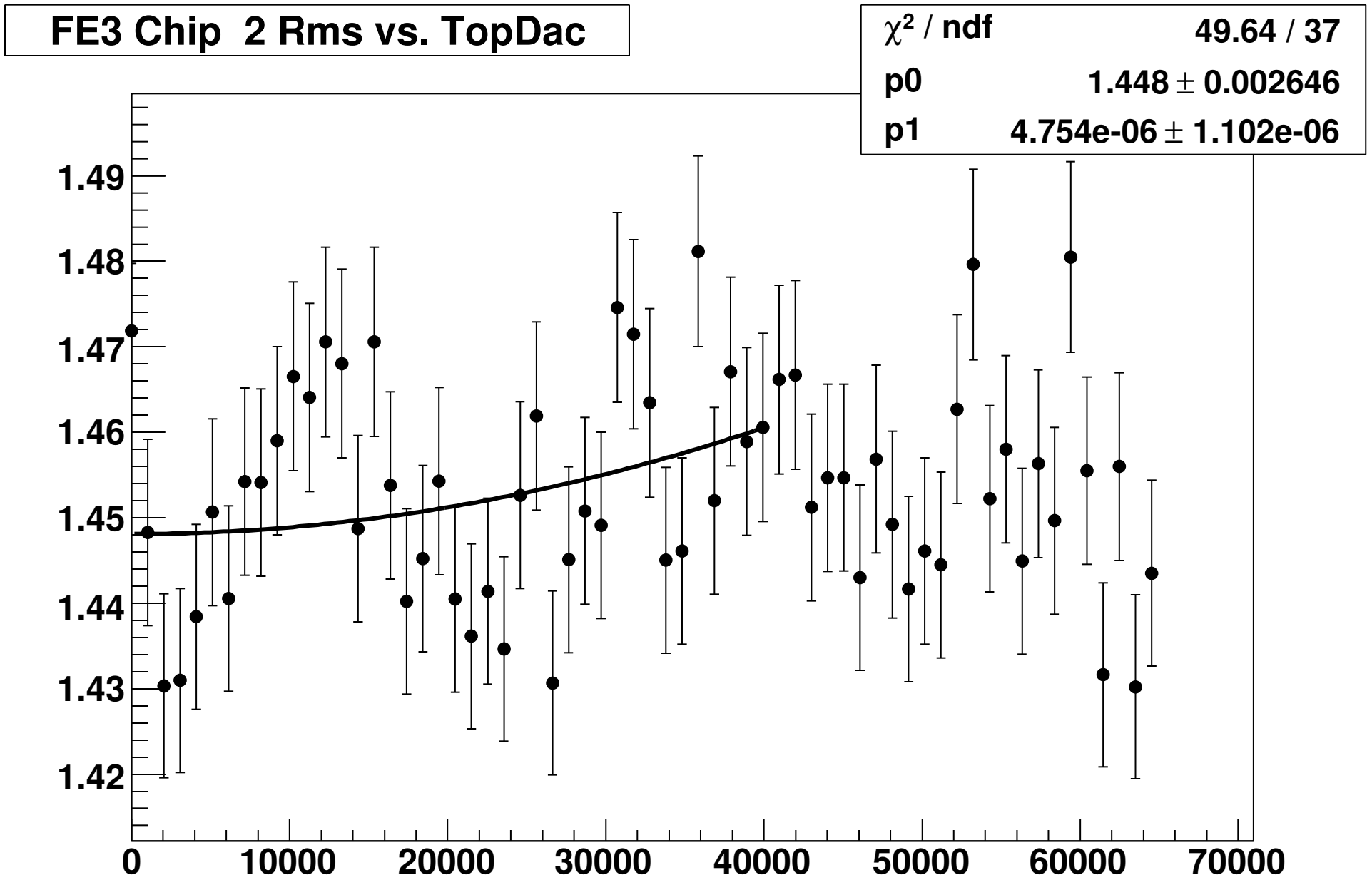

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 553.2 / 37
p0 60.25 ± 0.005185
p1 3.751e-06 ± 2.205e-07
60.6
60.5
60.4
60.3
60.2
60.1
0
10000
20000
30000
40000
50000
60000
70000

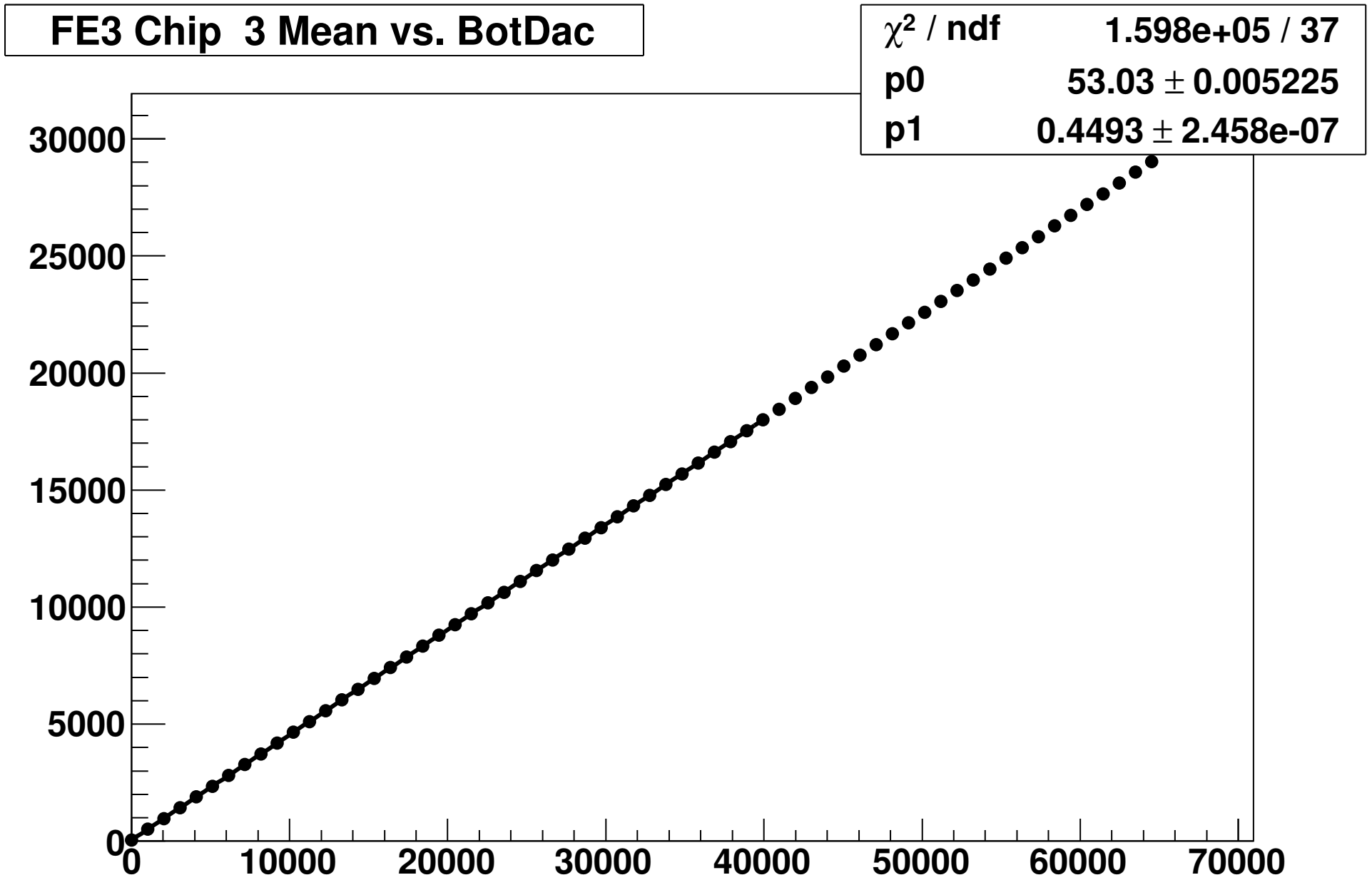

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 37.65 / 37
p0 1.497 ± 0.001807
p1 7.979e-13 ± 4.264e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

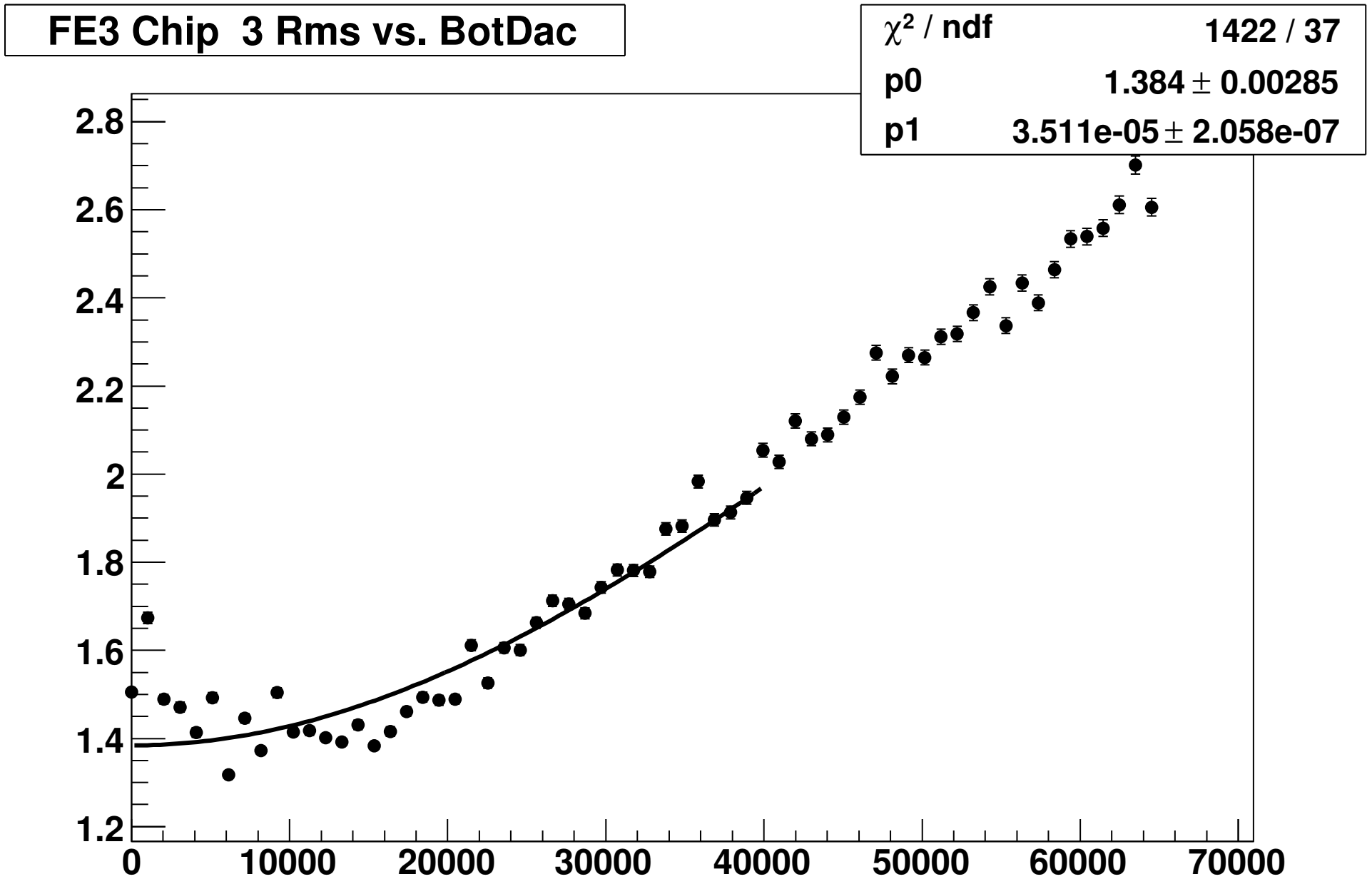

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.453e+05 / 37
p0 55.5 ± 0.005265
p1 0.4493 ± 2.474e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1022 / 37
p0 1.404 ± 0.002882
p1 3.527e-05 ± 2.094e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 574.7 / 37
p0 55.64 ± 0.005024
p1 4.238e-06 ± 2.143e-07
56
55.9
55.8
55.7
55.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 49.64 / 37
p0 1.448 ± 0.002646
p1 4.754e-06 ± 1.102e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.598e+05 / 37
p0 53.03 ± 0.005225
p1 0.4493 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1422 / 37
p0 1.384 ± 0.00285
p1 3.511e-05 ± 2.058e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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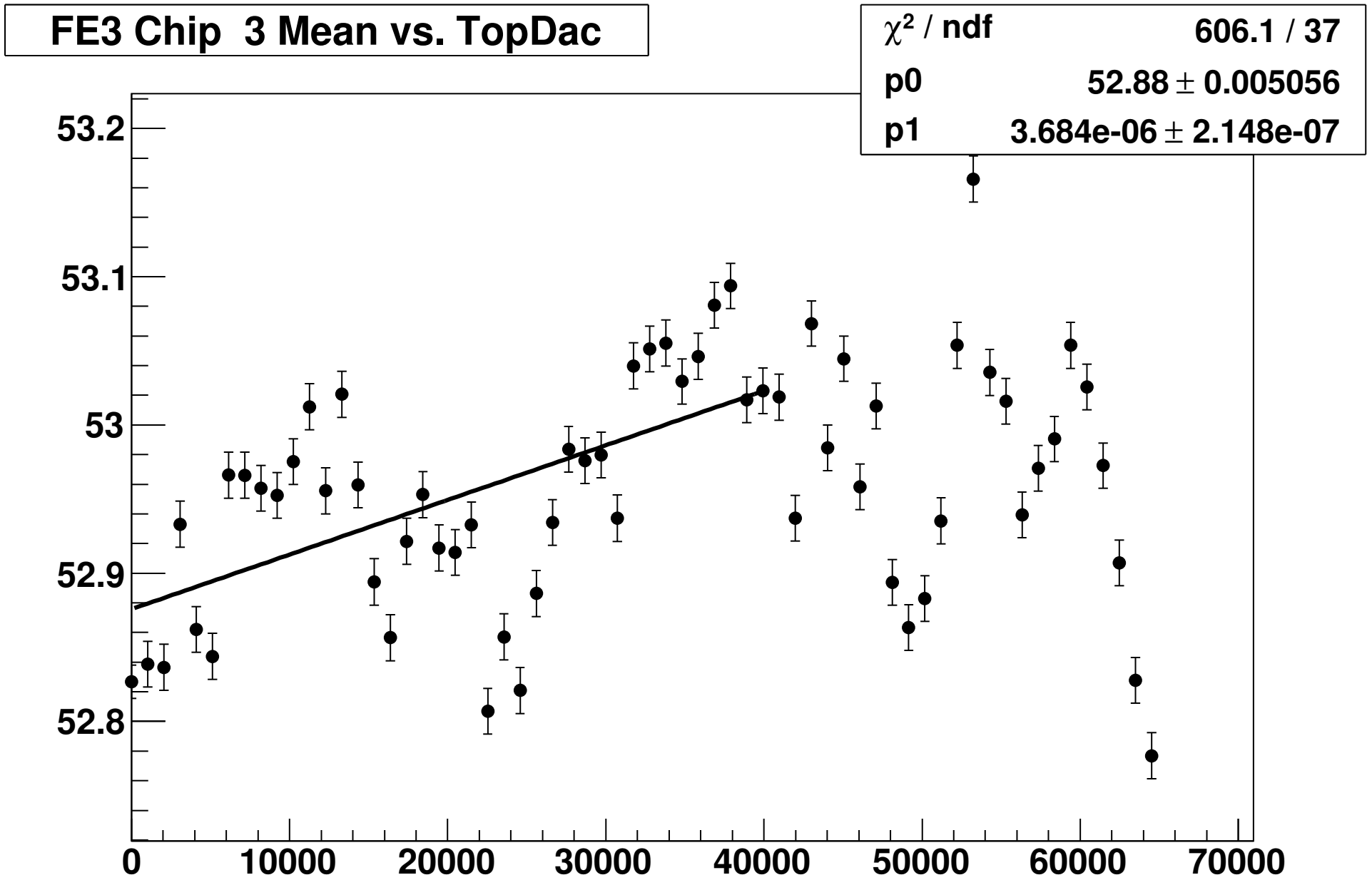
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 606.1 / 37
p0 52.88 ± 0.005056
p1 3.684e-06 ± 2.148e-07
53.2
53.1
53
52.9
52.8
0
10000
20000
30000
40000
50000
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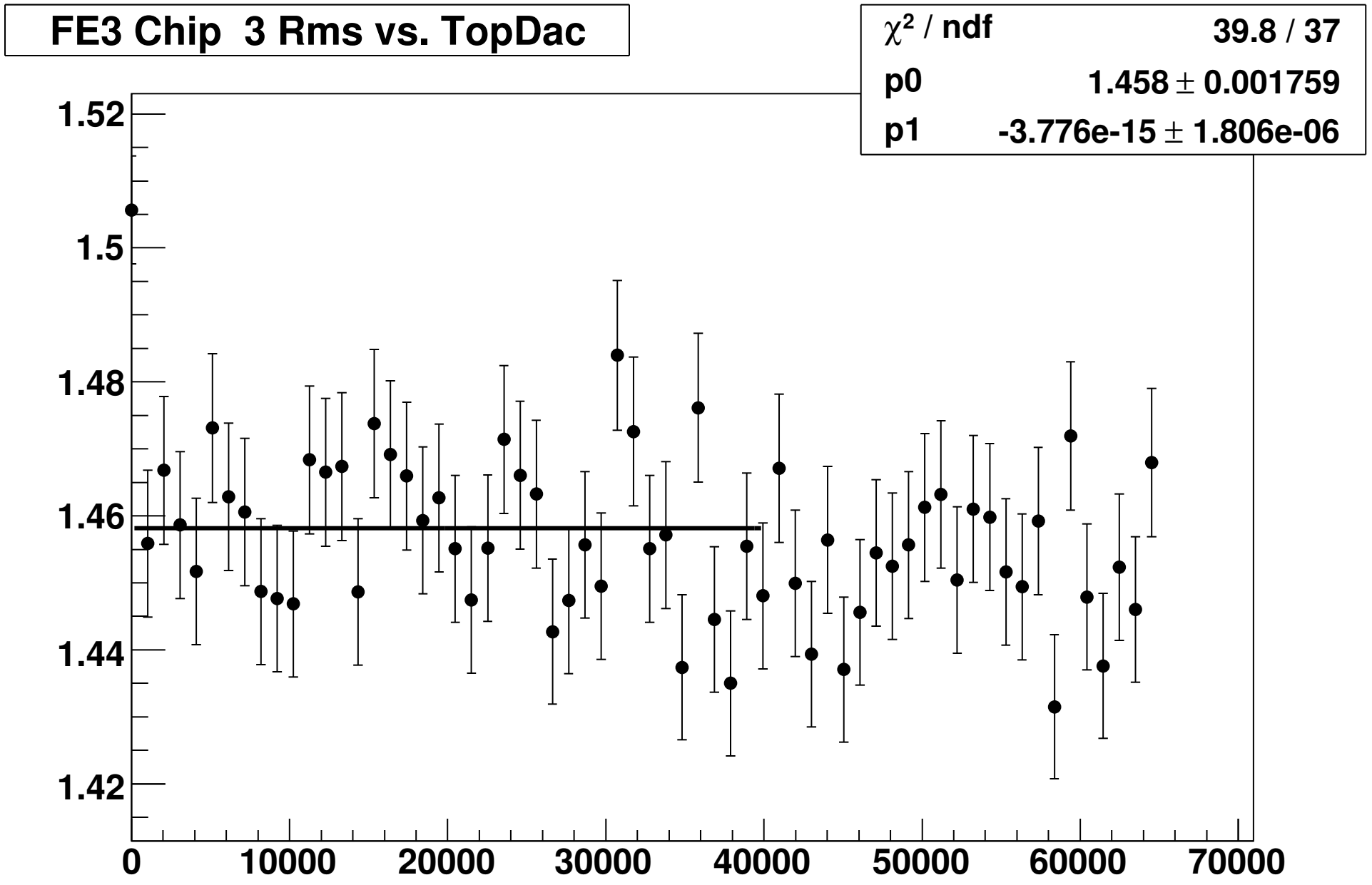
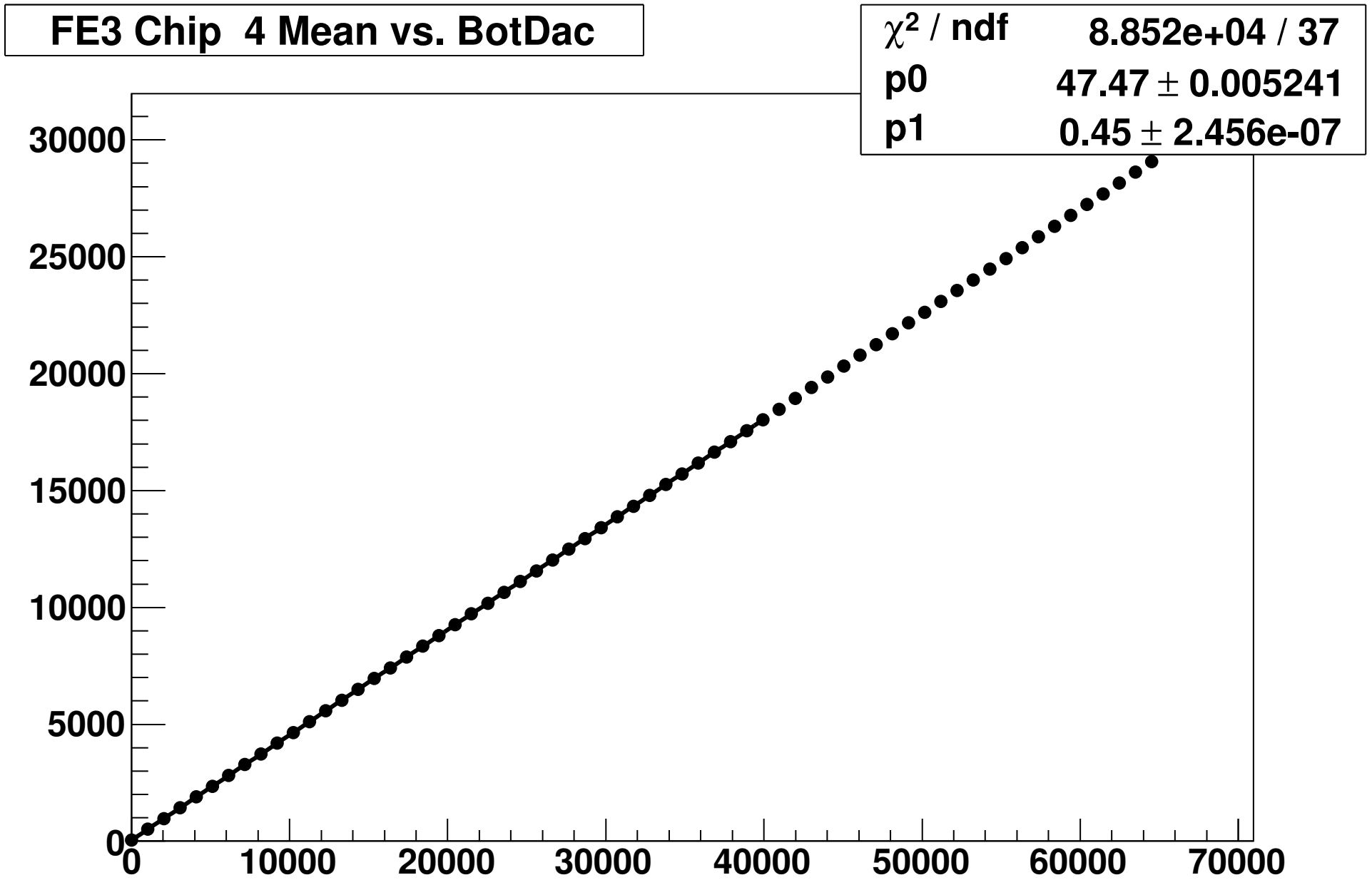
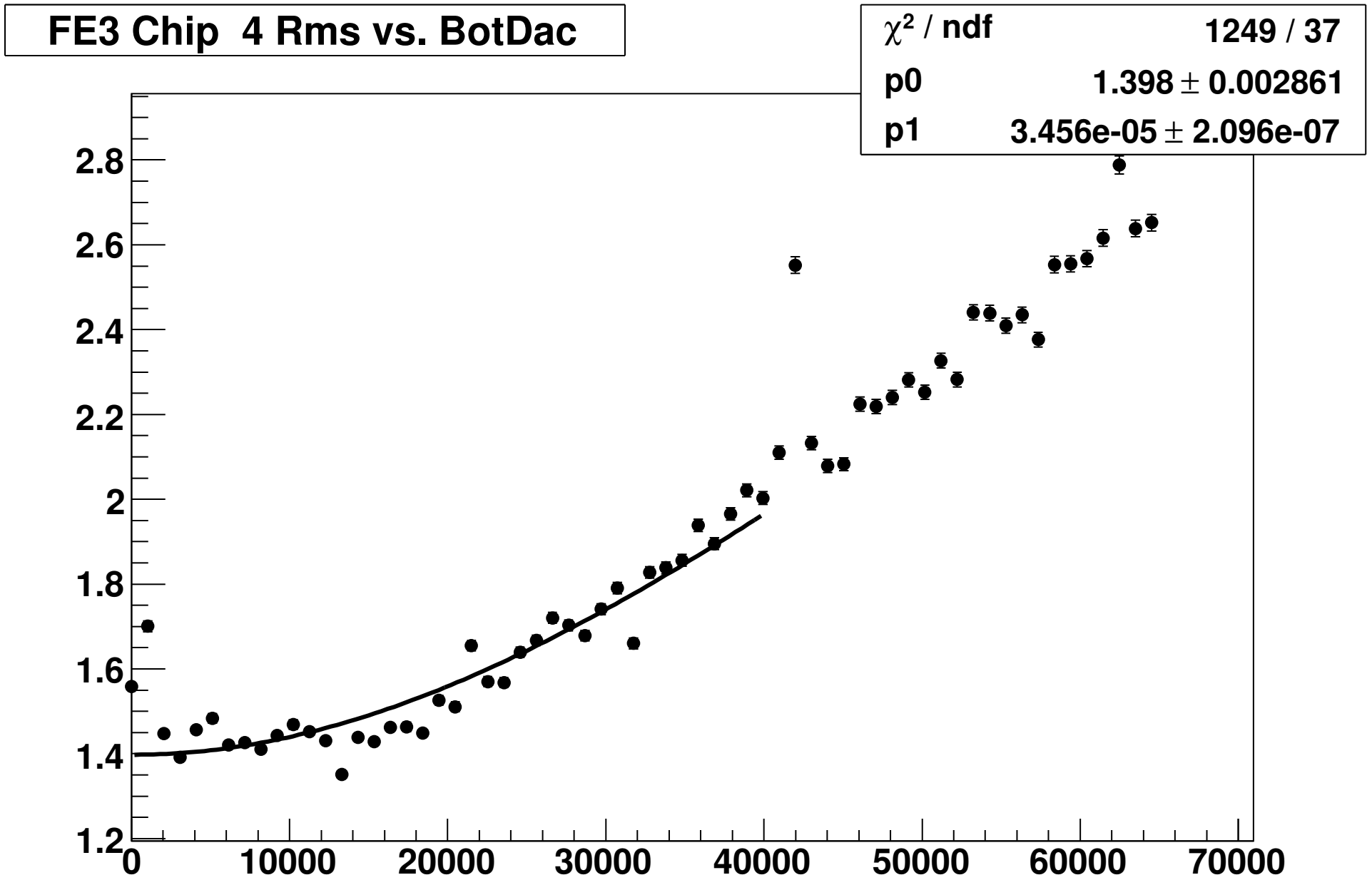
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 39.8 / 37
p0 1.458 ± 0.001759
p1 -3.776e-15 ± 1.806e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 8.852e+04 / 37
p0 47.47 ± 0.005241
p1 0.45 ± 2.456e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1249 / 37
p0 1.398 ± 0.002861
p1 3.456e-05 ± 2.096e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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20000
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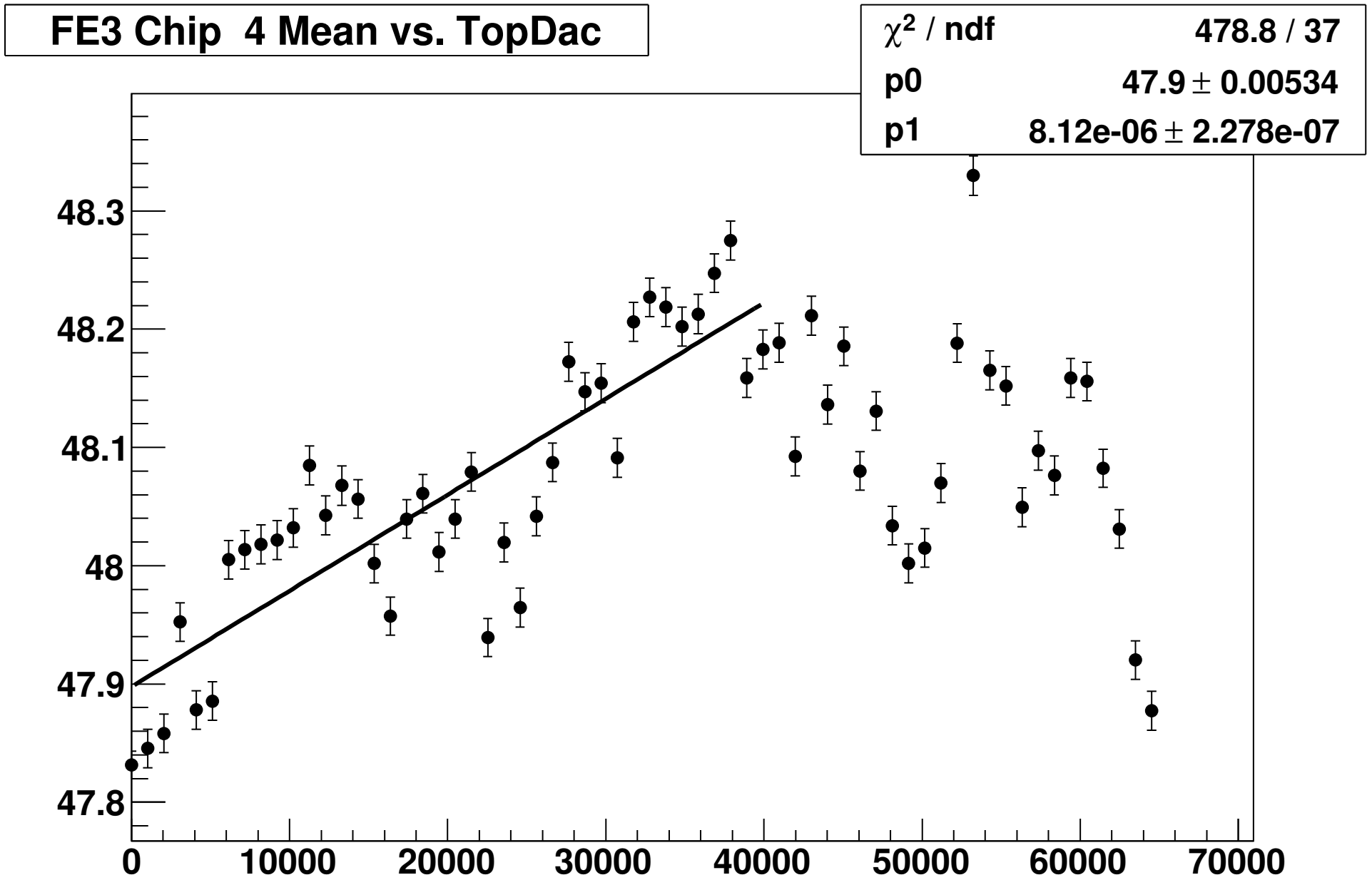
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 478.8 / 37
p0 47.9 ± 0.00534
p1 8.12e-06 ± 2.278e-07
48.3
48.2
48.1
48
47.9
47.8
0
10000
20000
30000
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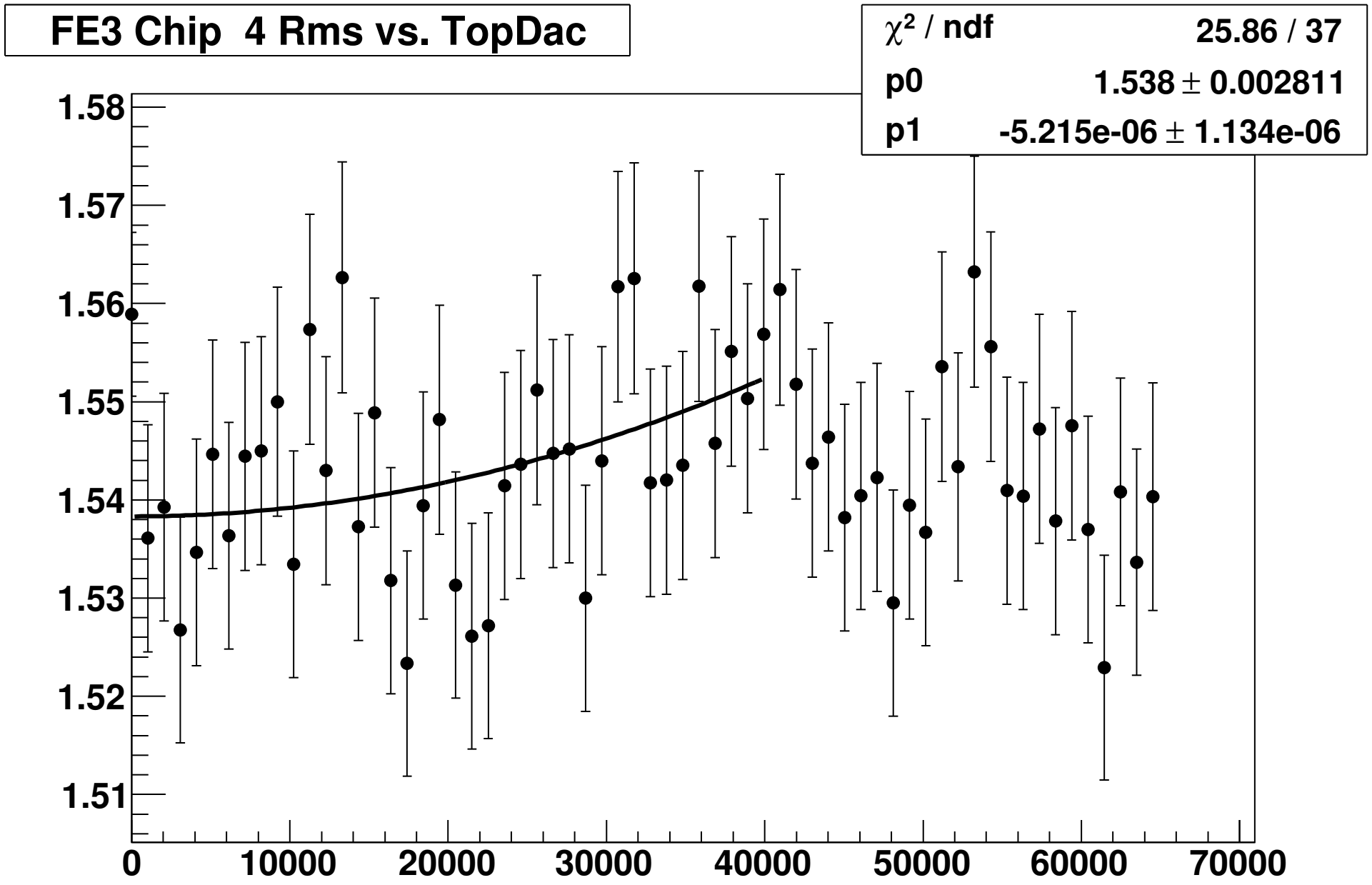
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 25.86 / 37
p0 1.538 ± 0.002811
p1 -5.215e-06 ± 1.134e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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60000
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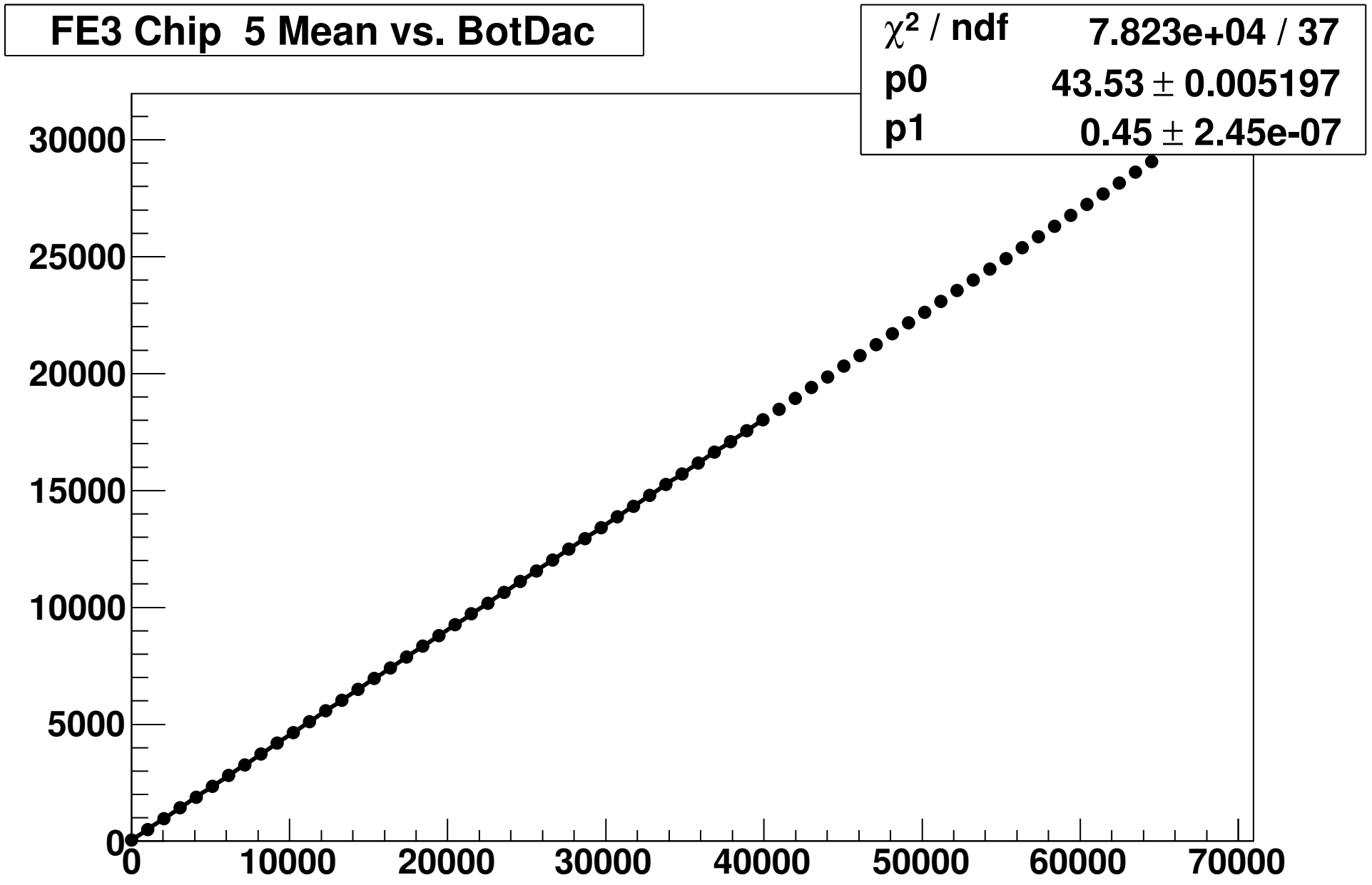
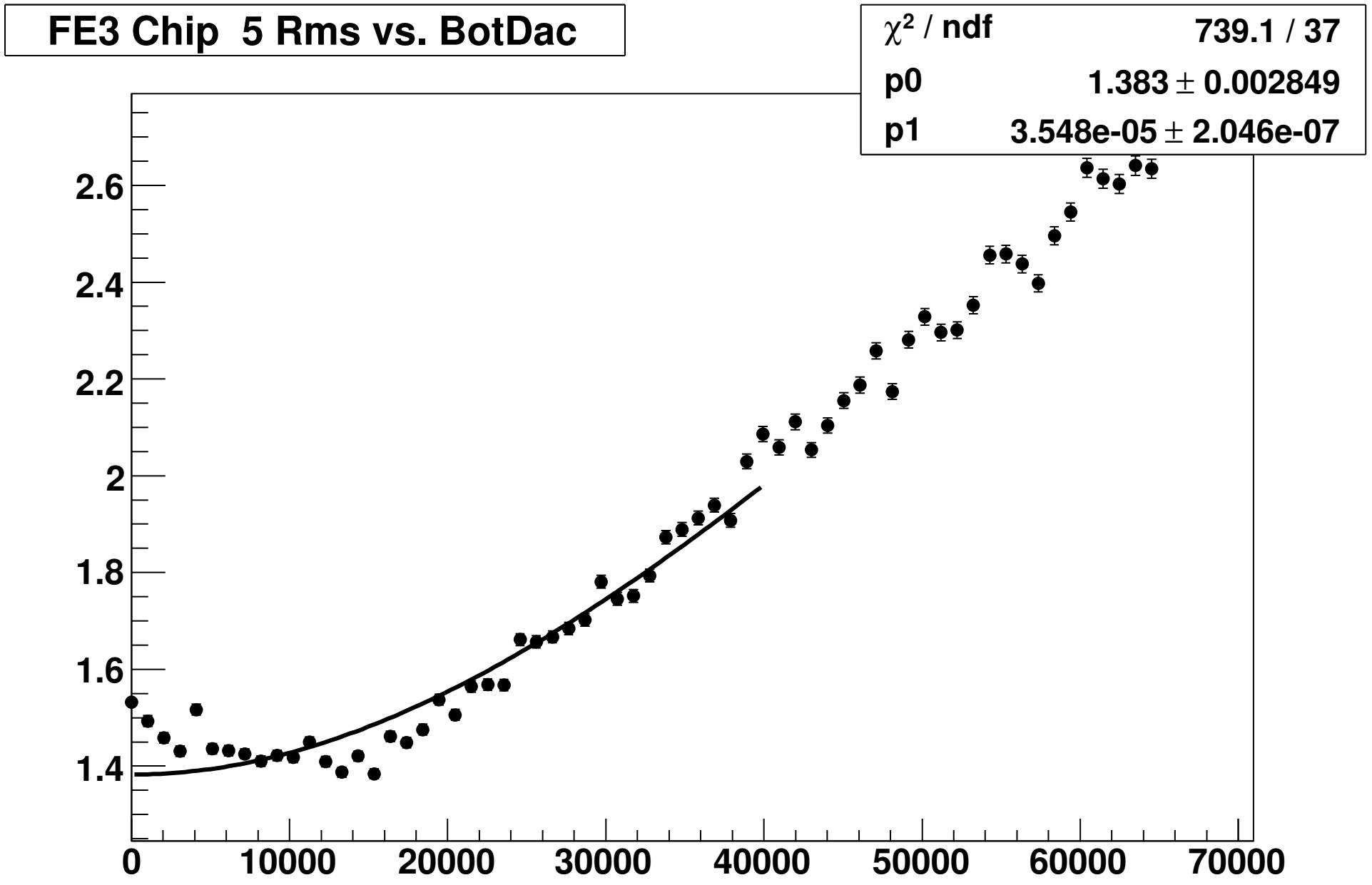
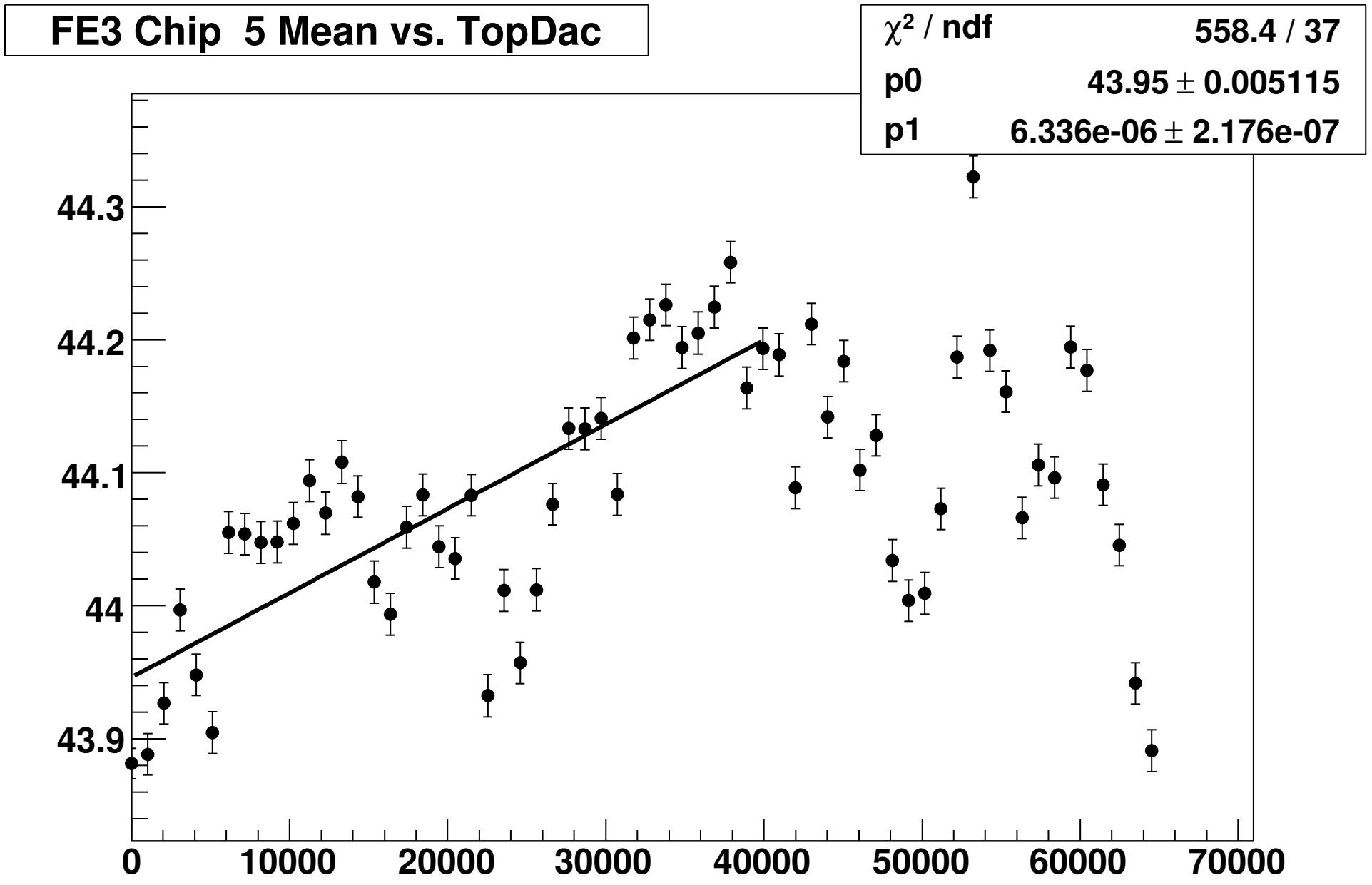
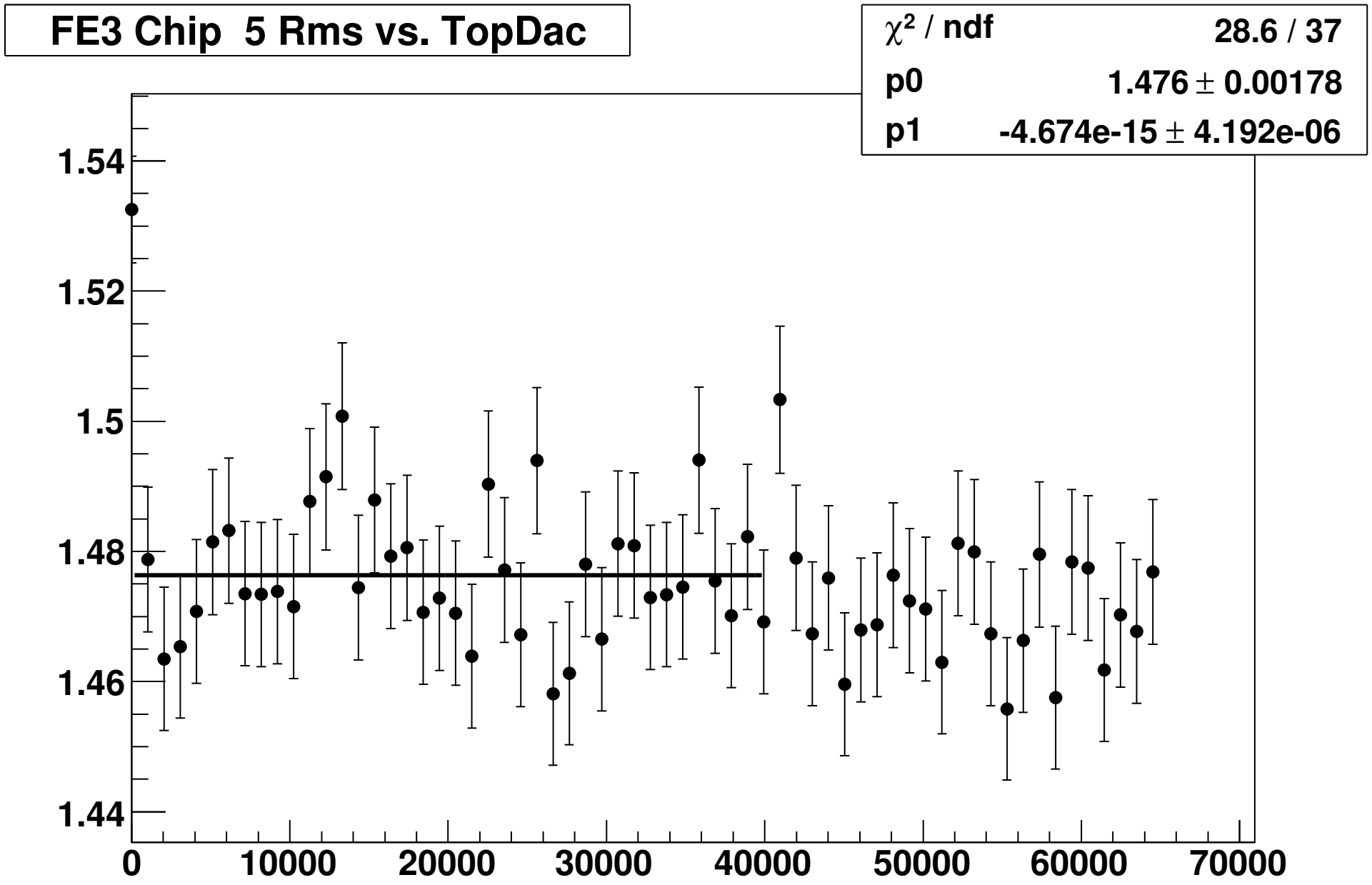
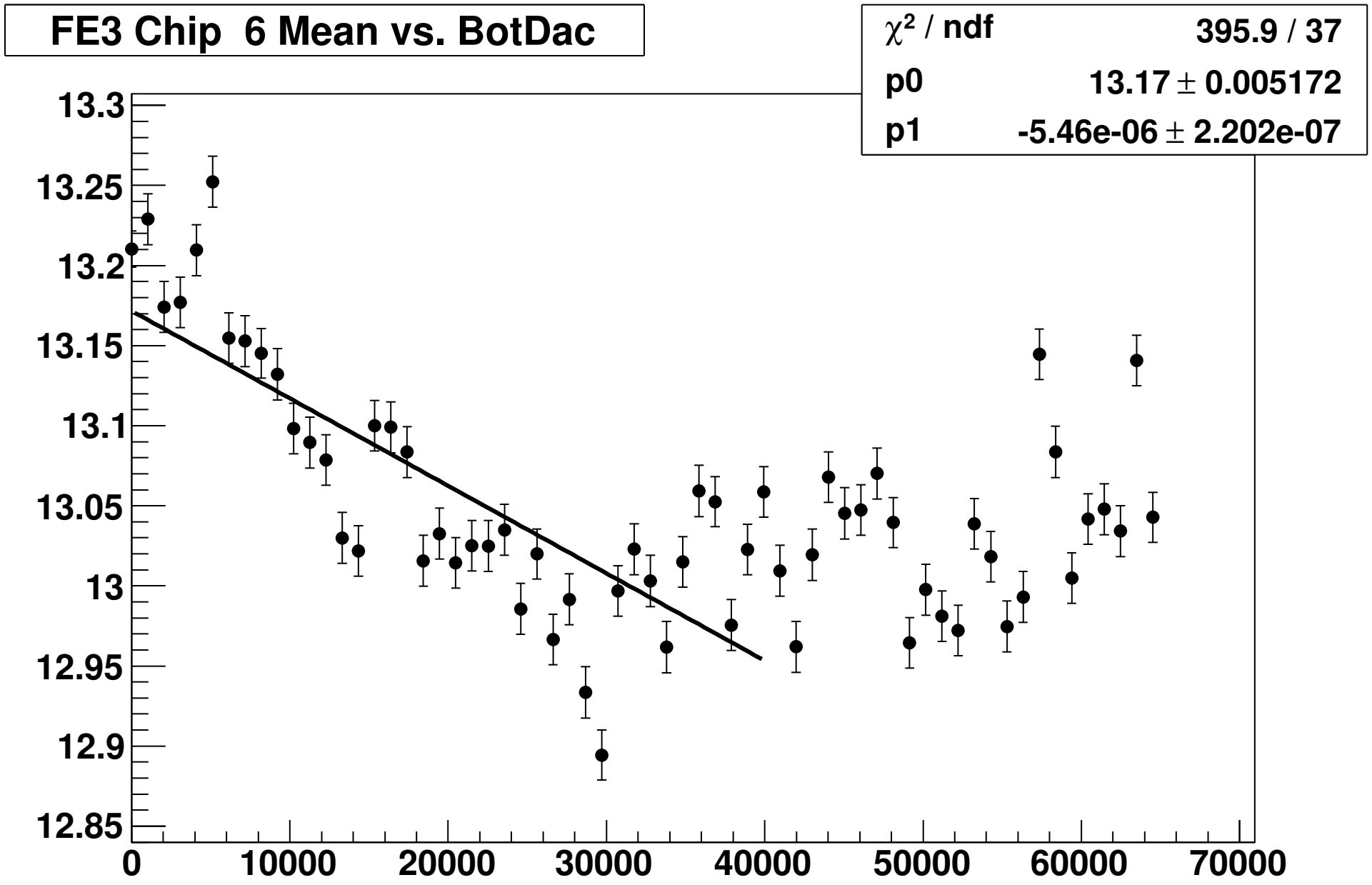
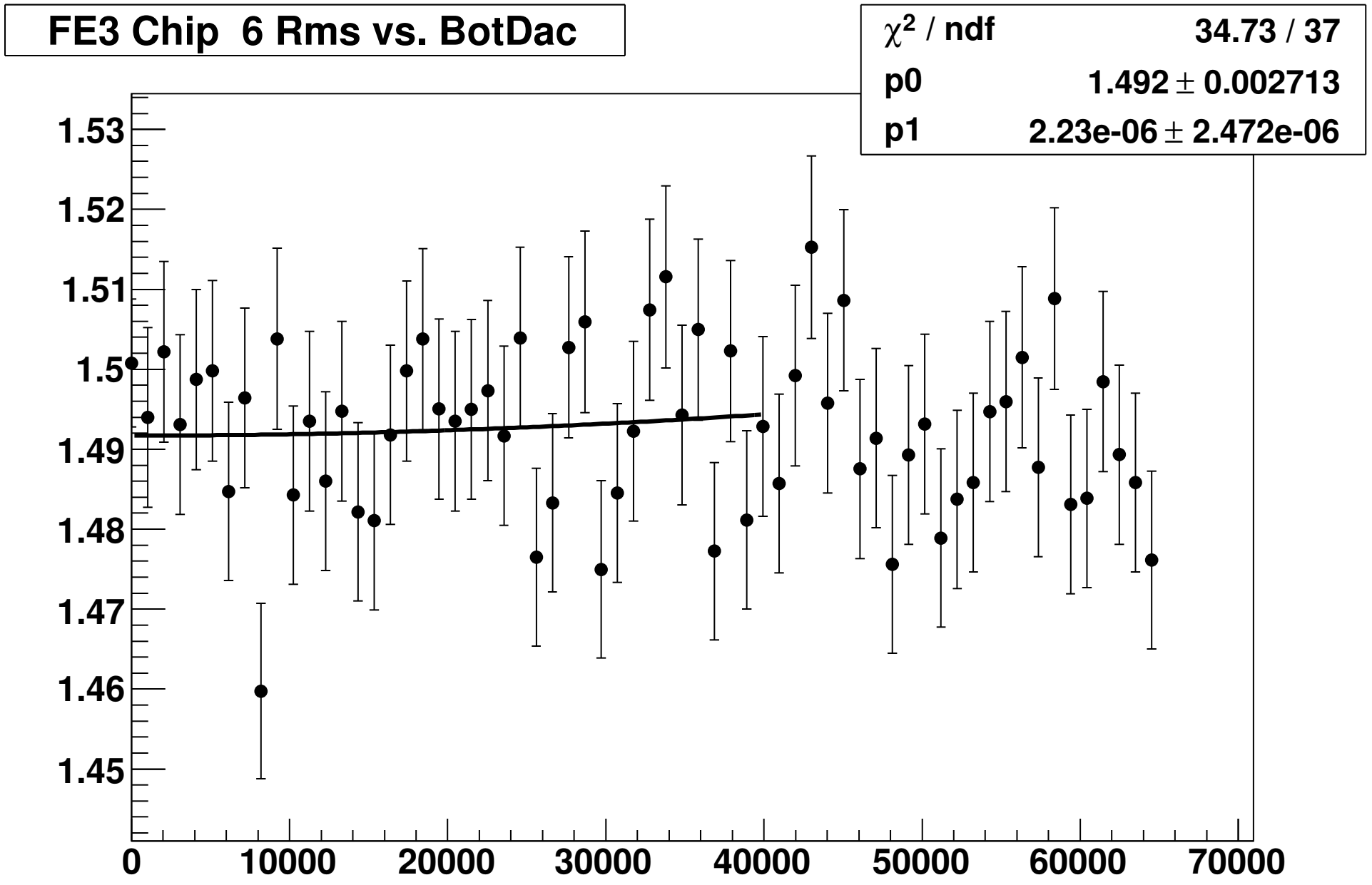

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 7.823e+04 / 37
p0 43.53 ± 0.005197
p1 0.45 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

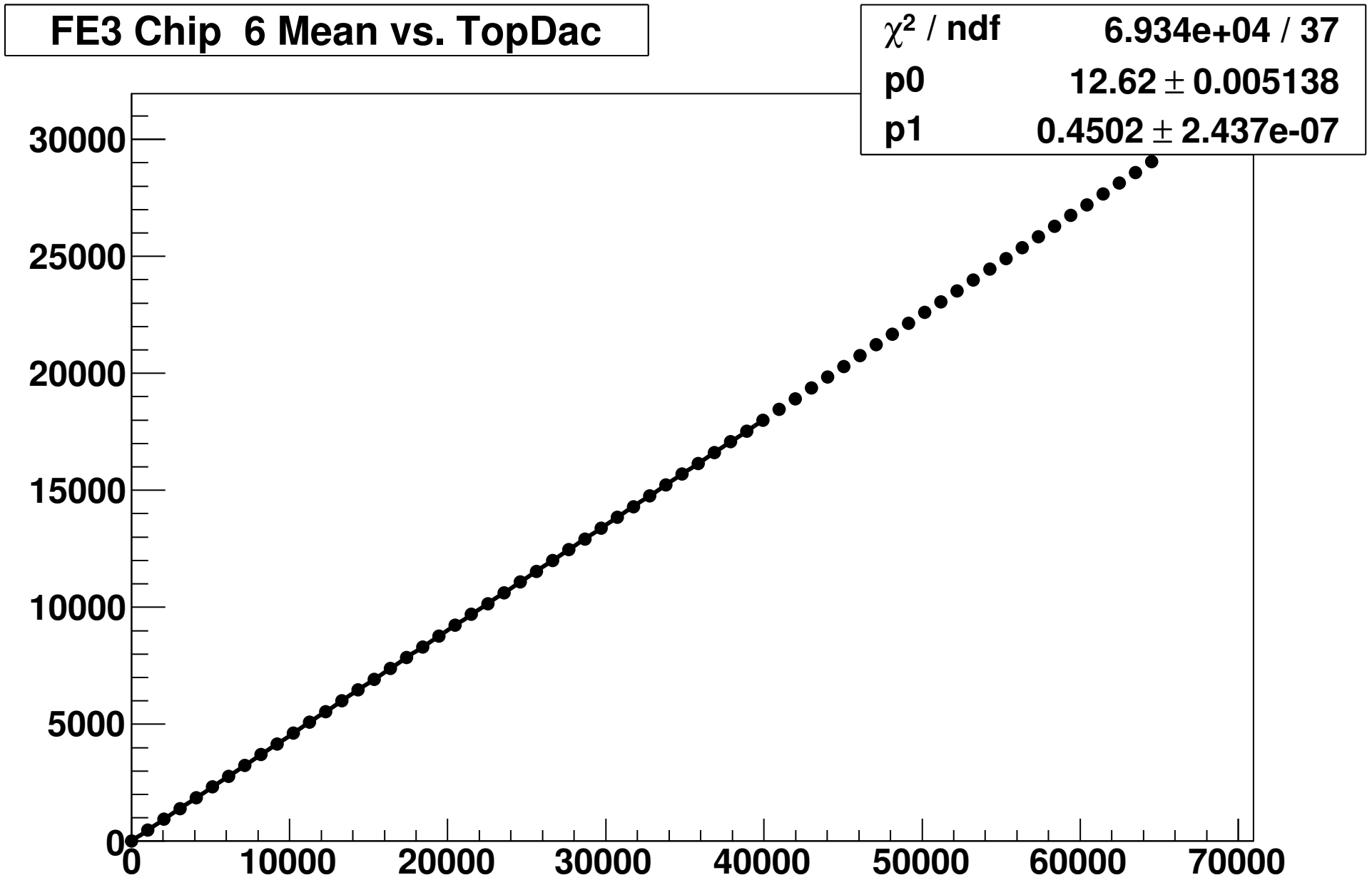

FE3 Chip 5 Rms vs. BotDac
χ² / ndf 739.1 / 37
p0 1.383 ± 0.002849
p1 3.548e-05 ± 2.046e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

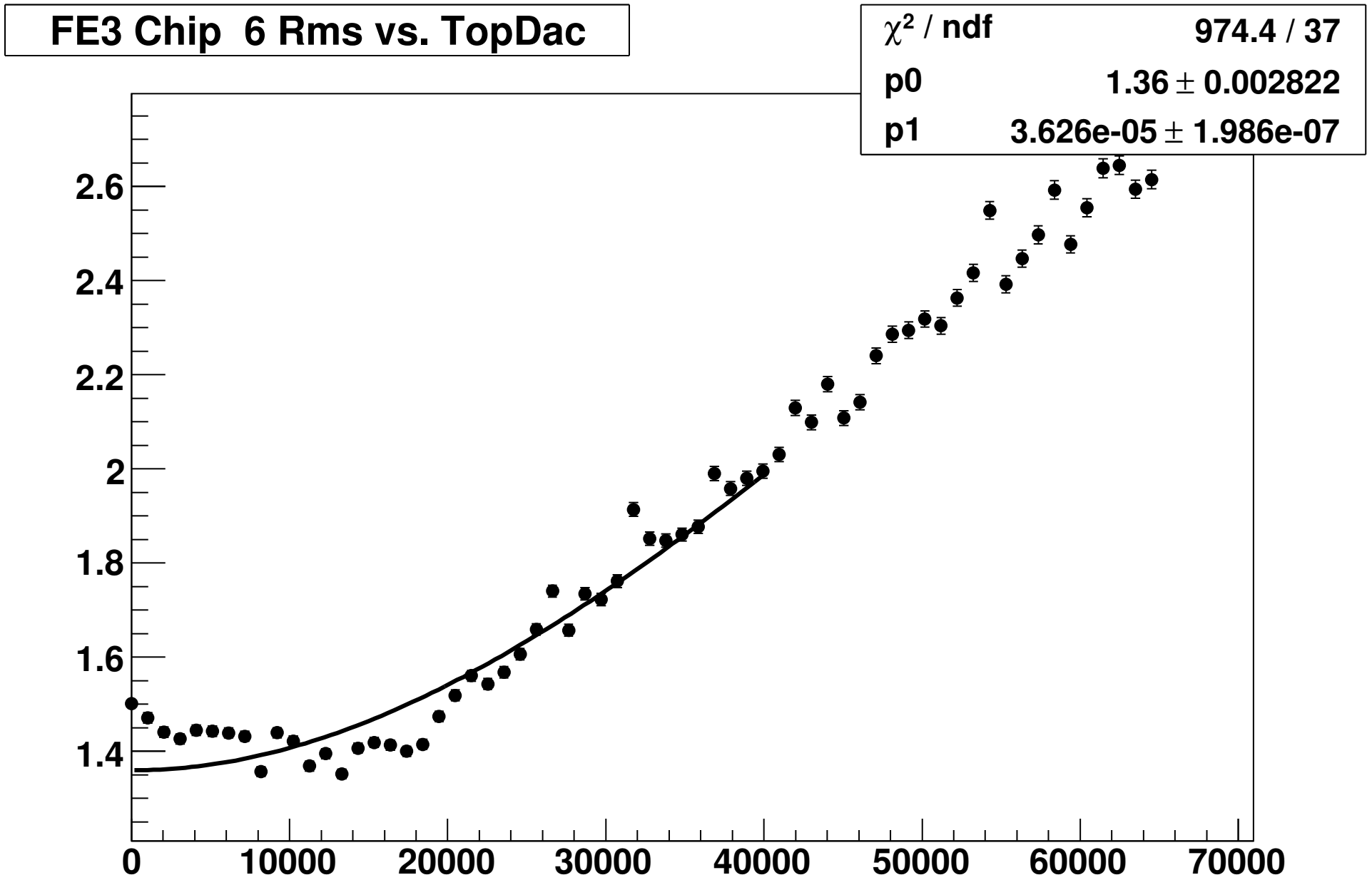

FE3 Chip 5 Mean vs. TopDac
χ² / ndf 558.4 / 37
p0 43.95 ± 0.005115
p1 6.336e-06 ± 2.176e-07
44.3
44.2
44.1
44
43.9
0
10000
20000
30000
40000
50000
60000
70000

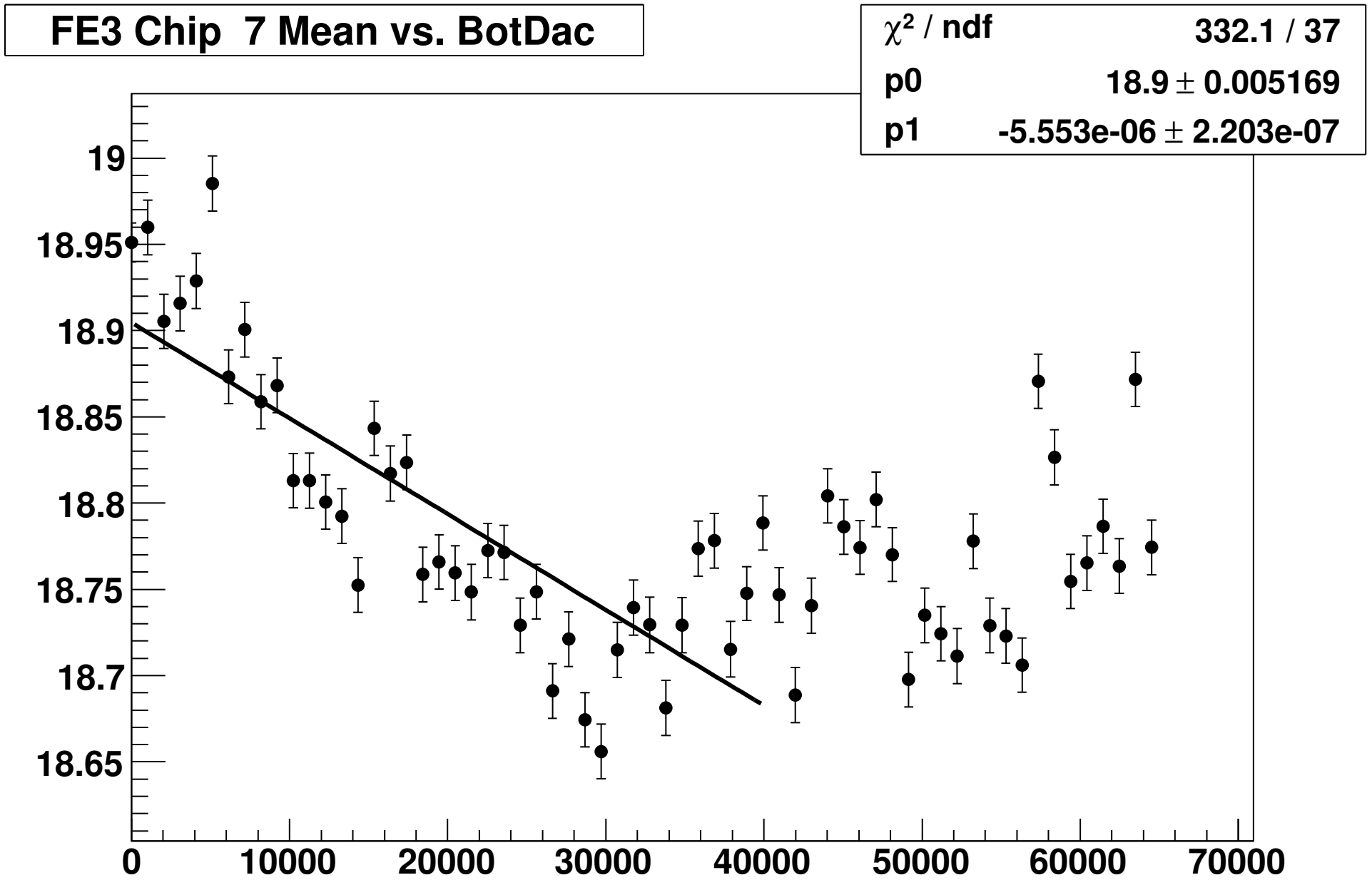

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 28.6 / 37
p0 1.476 ± 0.00178
p1 -4.674e-15 ± 4.192e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

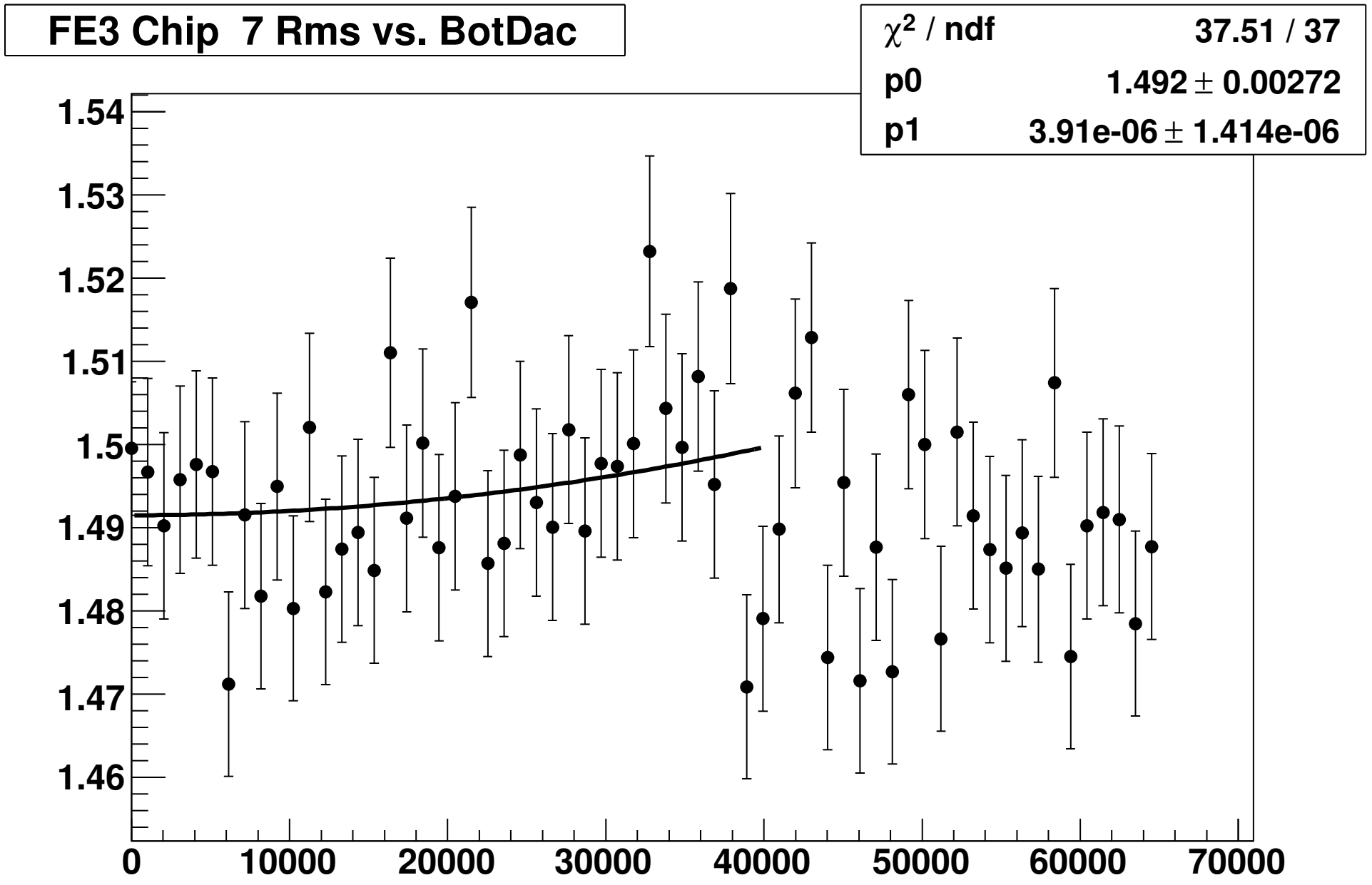

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 395.9 / 37
p0 13.17 ± 0.005172
p1 -5.46e-06 ± 2.202e-07
13.3
13.25
13.2
13.15
13.1
13.05
13
12.95
12.9
12.85
0
10000
20000
30000
40000
50000
60000
70000

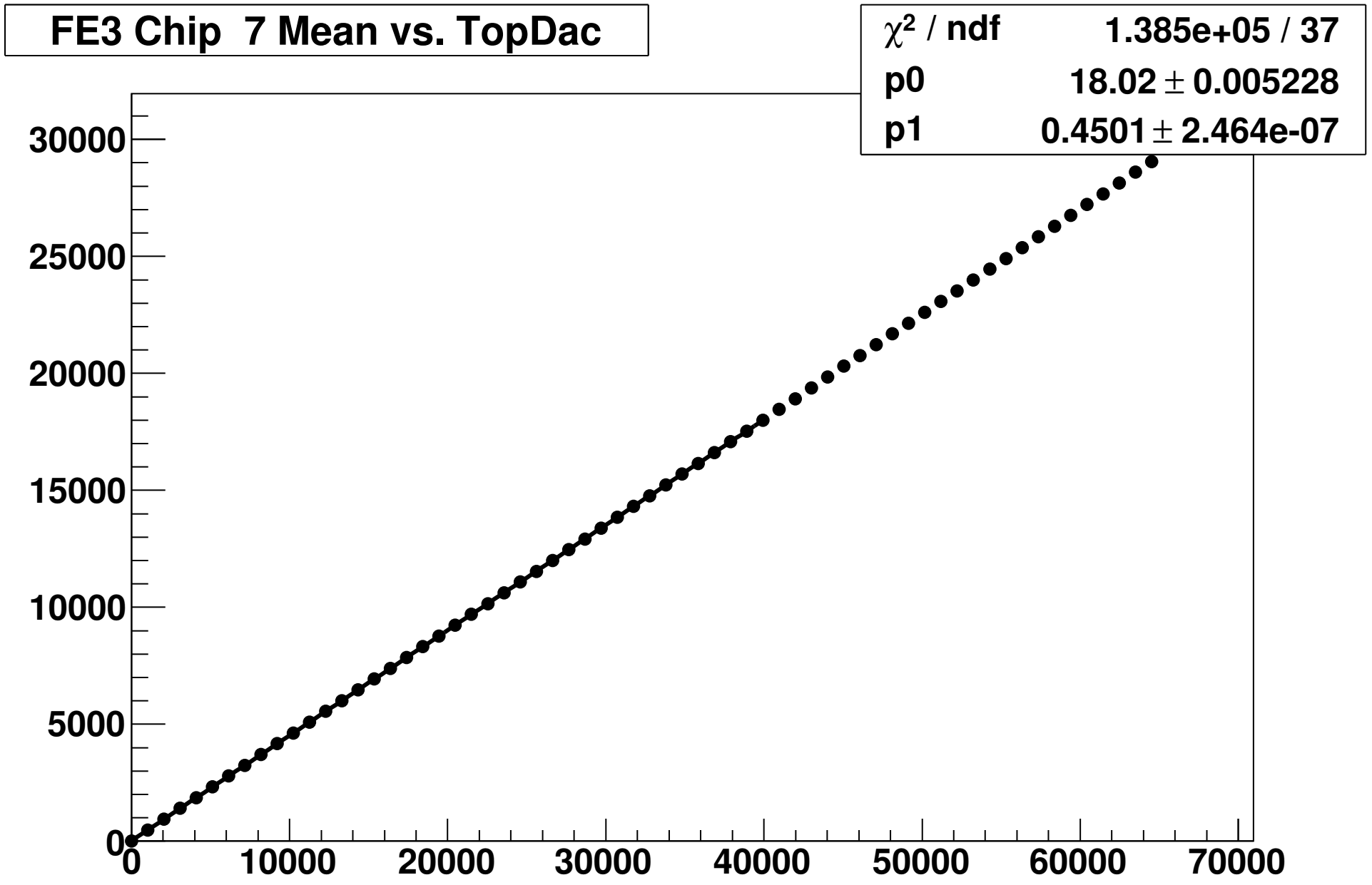

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 34.73 / 37
p0 1.492 ± 0.002713
p1 2.23e-06 ± 2.472e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

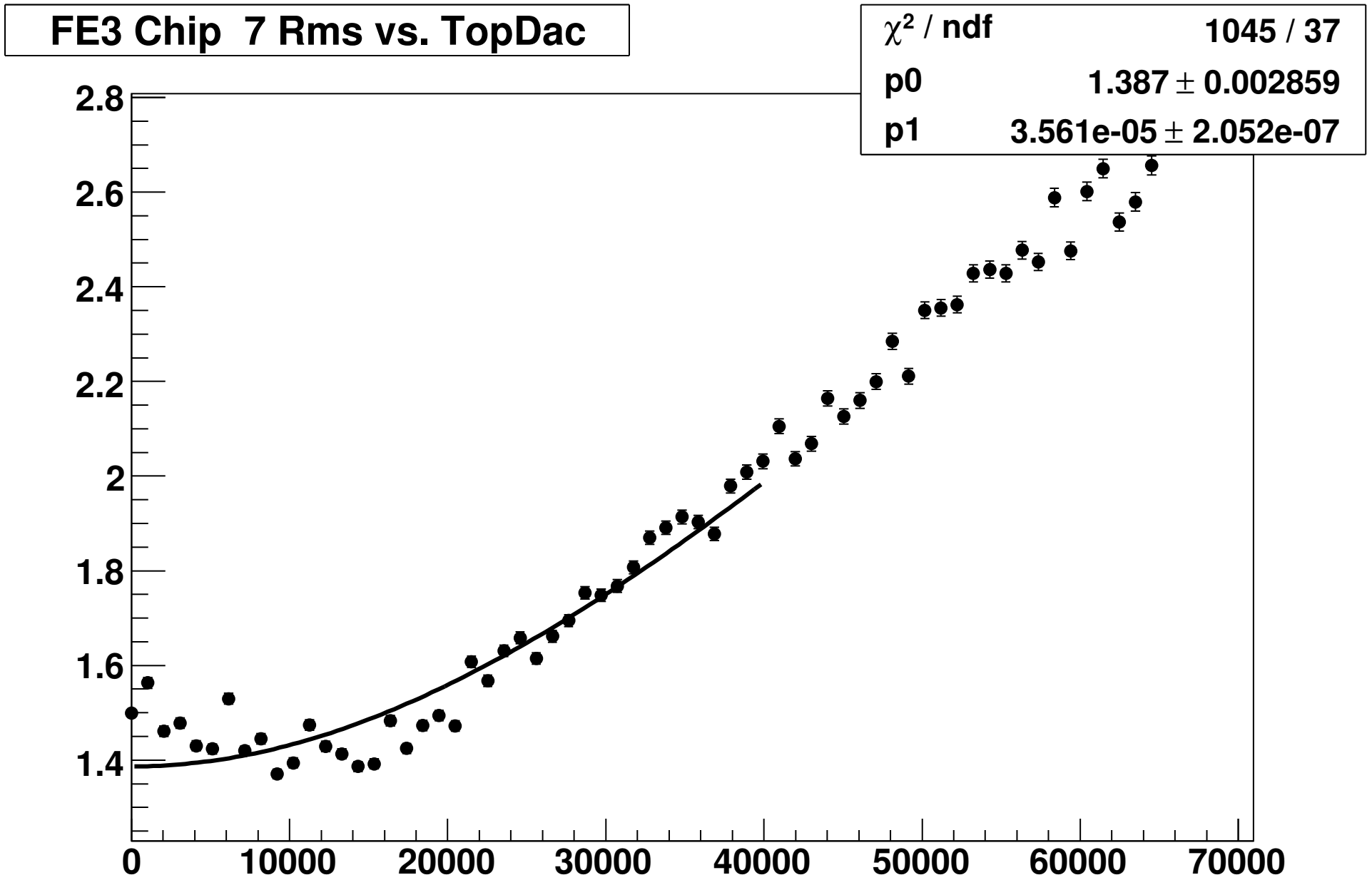

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 6.934e+04 / 37
p0 12.62 ± 0.005138
p1 0.4502 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

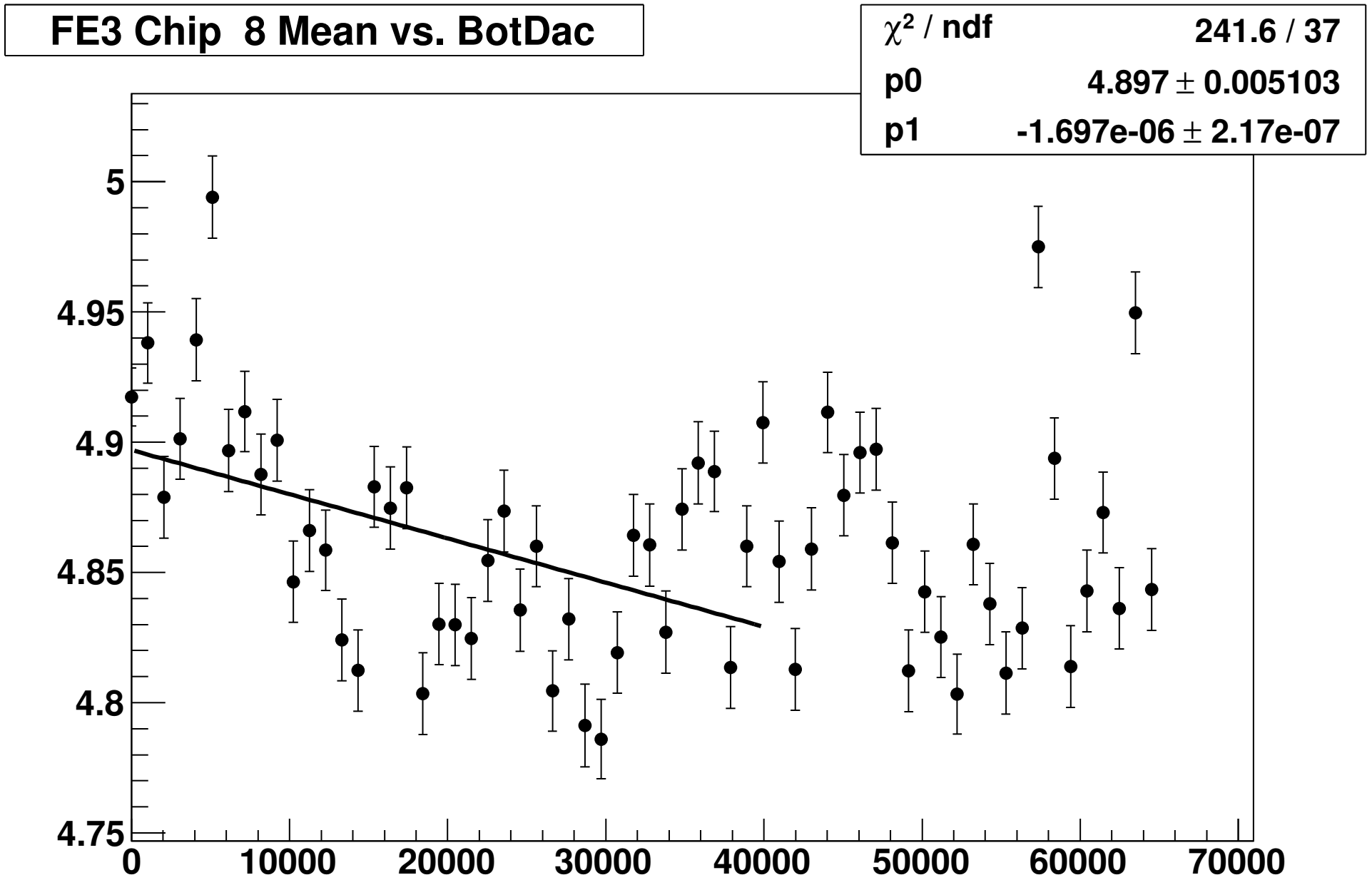

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 974.4 / 37
p0 1.36 ± 0.002822
p1 3.626e-05 ± 1.986e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

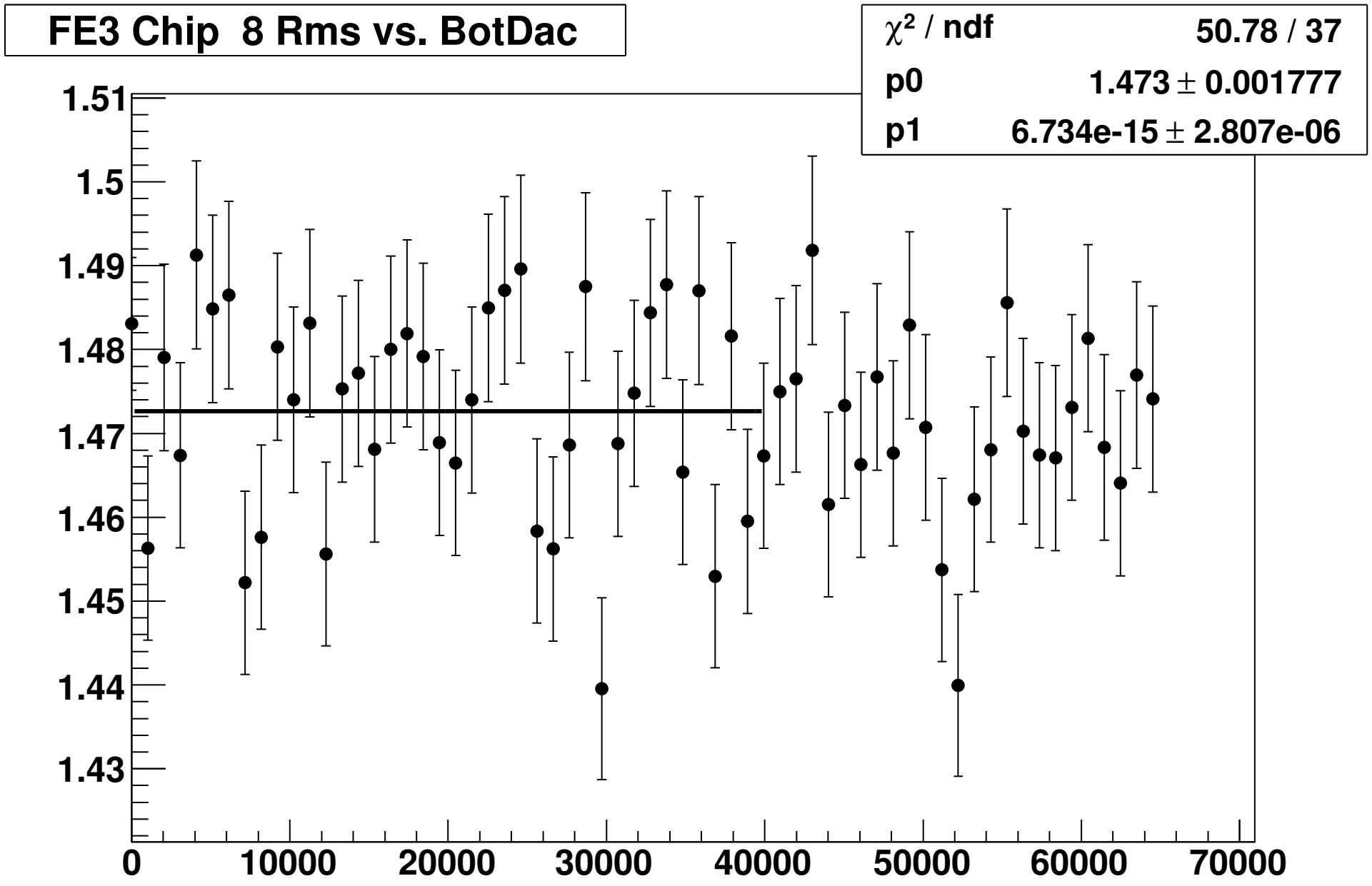

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 332.1 / 37
p0 18.9 ± 0.005169
p1 -5.553e-06 ± 2.203e-07
19
18.95
18.9
18.85
18.8
18.75
18.7
18.65
0
10000
20000
30000
40000
50000
60000
70000

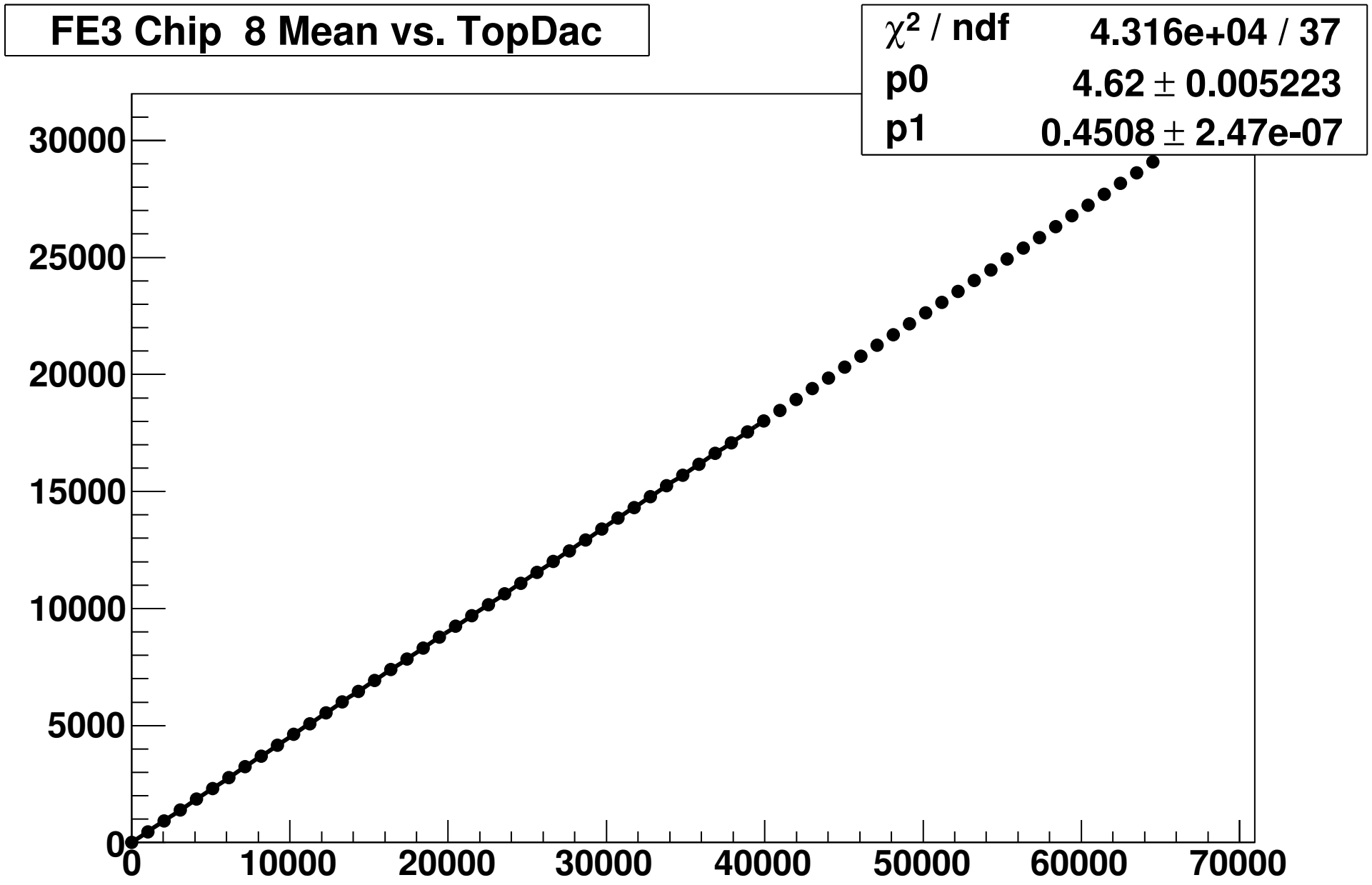

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 37.51 / 37
p0 1.492 ± 0.00272
p1 3.91e-06 ± 1.414e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

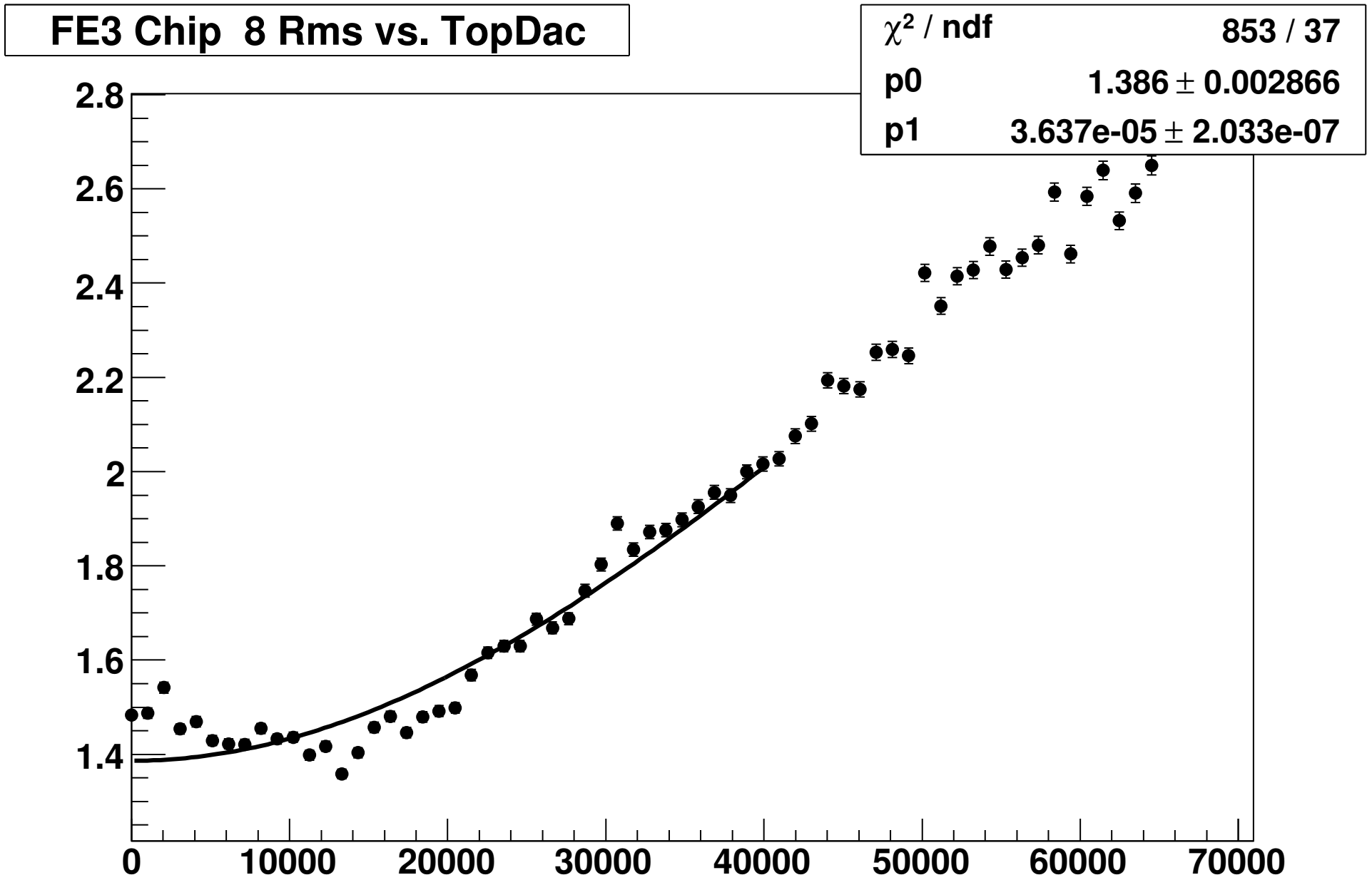

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.385e+05 / 37
p0 18.02 ± 0.005228
p1 0.4501 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

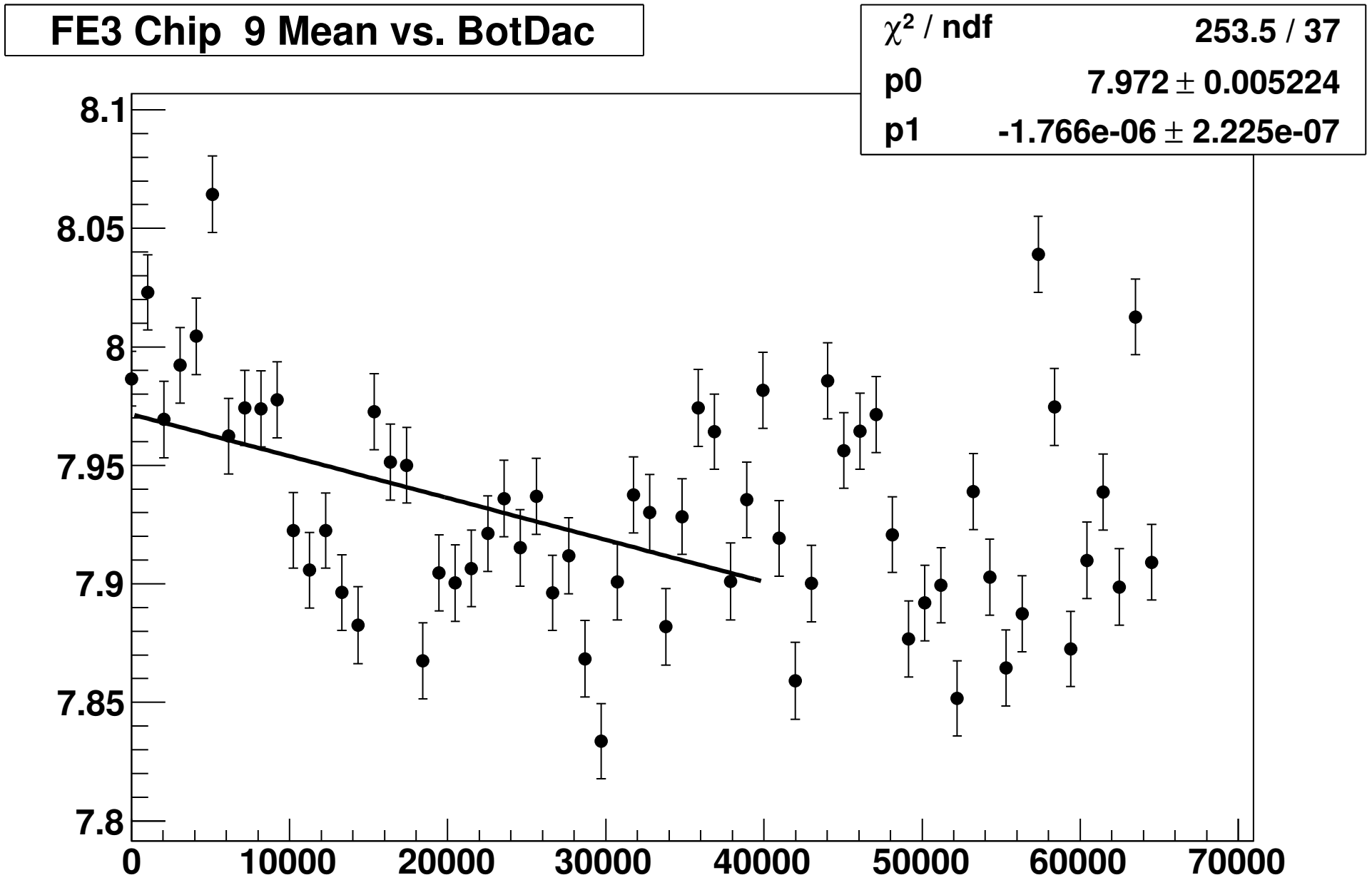

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1045 / 37
p0 1.387 ± 0.002859
p1 3.561e-05 ± 2.052e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

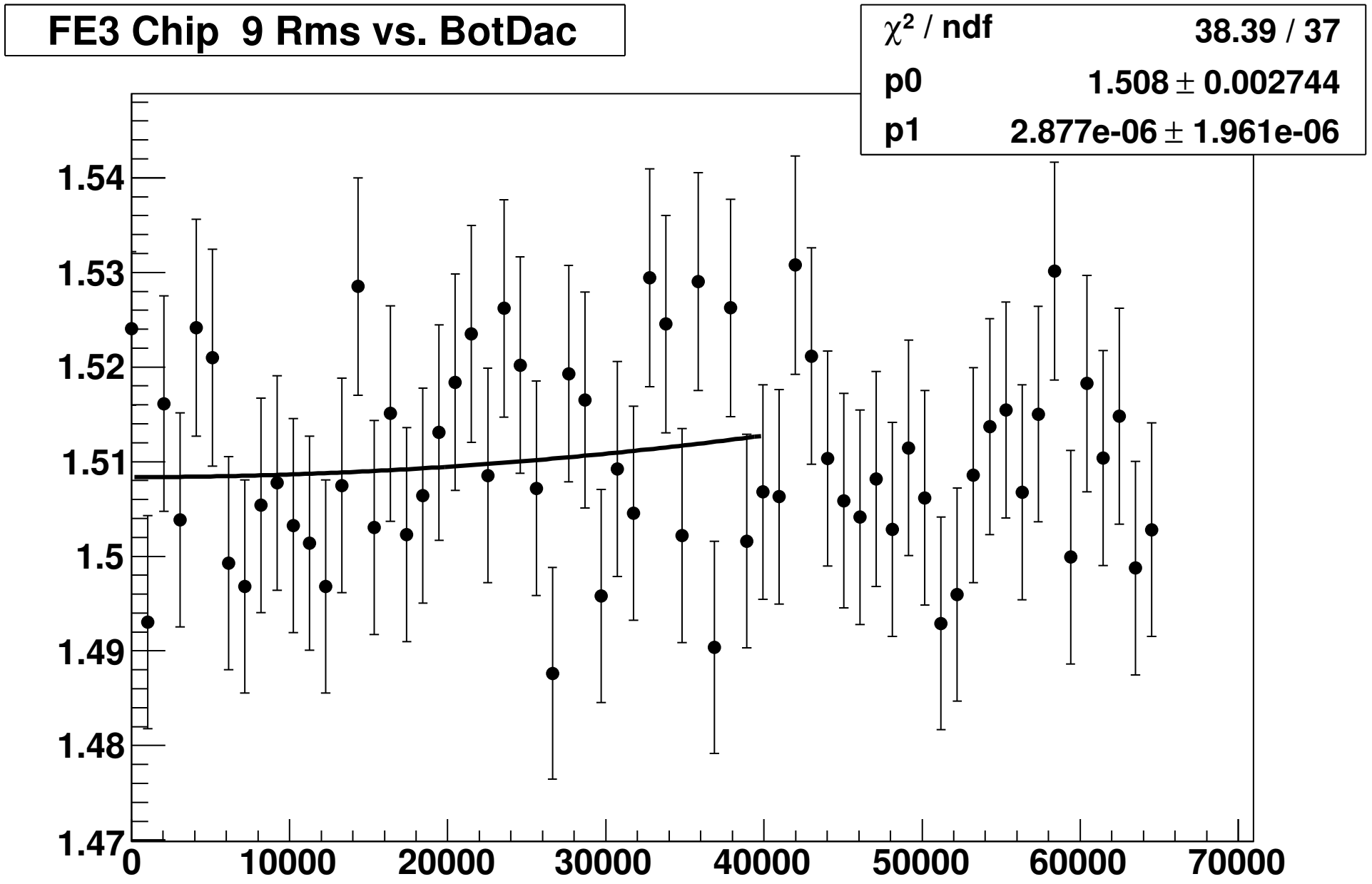

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 241.6 / 37
p0 4.897 ± 0.005103
p1 -1.697e-06 ± 2.17e-07
5
4.95
4.9
4.85
4.8
4.75
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 50.78 / 37
p0 1.473 ± 0.001777
p1 6.734e-15 ± 2.807e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 4.316e+04 / 37
p0 4.62 ± 0.005223
p1 0.4508 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 853 / 37
p0 1.386 ± 0.002866
p1 3.637e-05 ± 2.033e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 253.5 / 37
p0 7.972 ± 0.005224
p1 -1.766e-06 ± 2.225e-07
8.1
8.05
8
7.95
7.9
7.85
7.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 38.39 / 37
p0 1.508 ± 0.002744
p1 2.877e-06 ± 1.961e-06
1.54
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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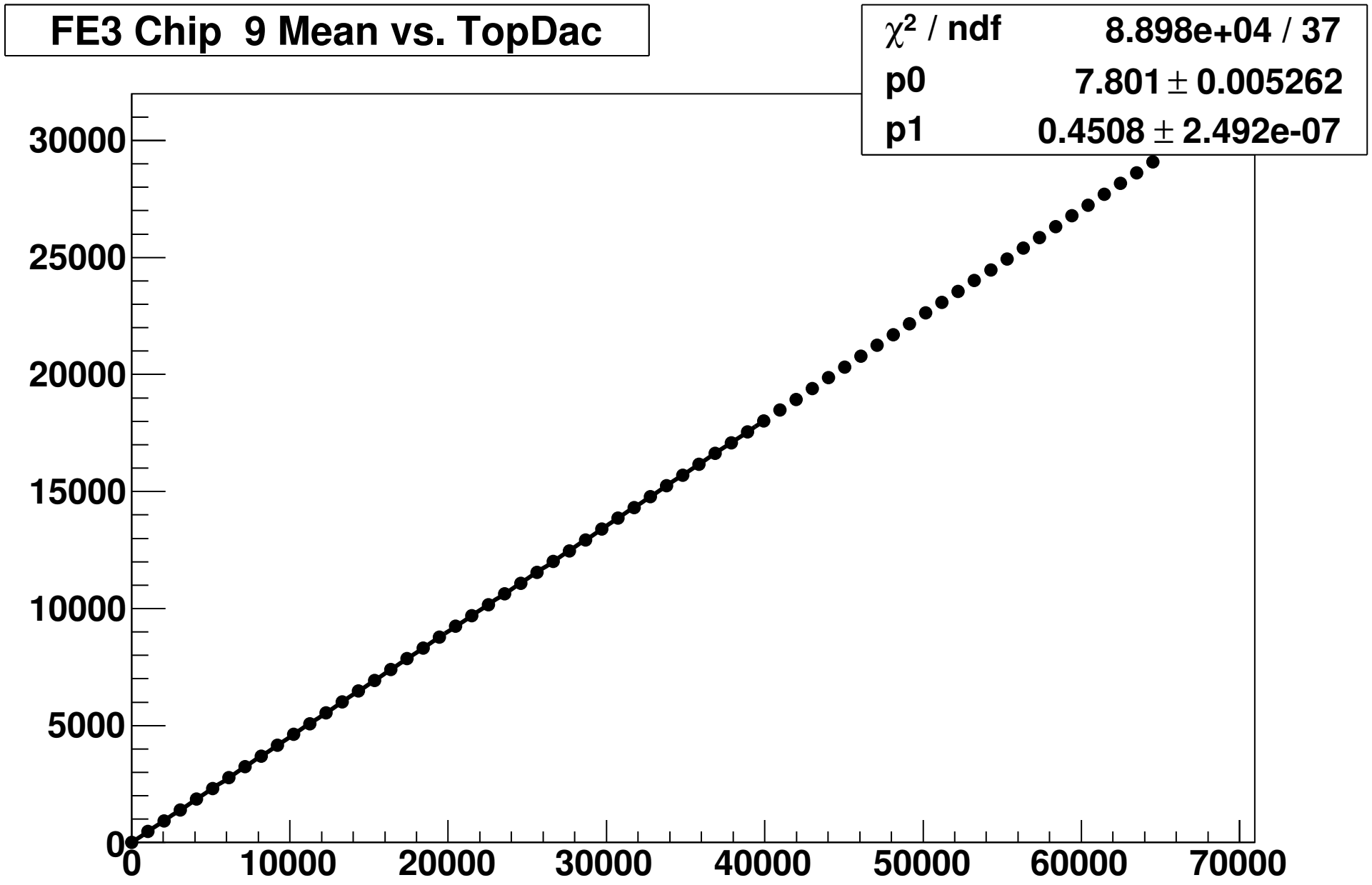
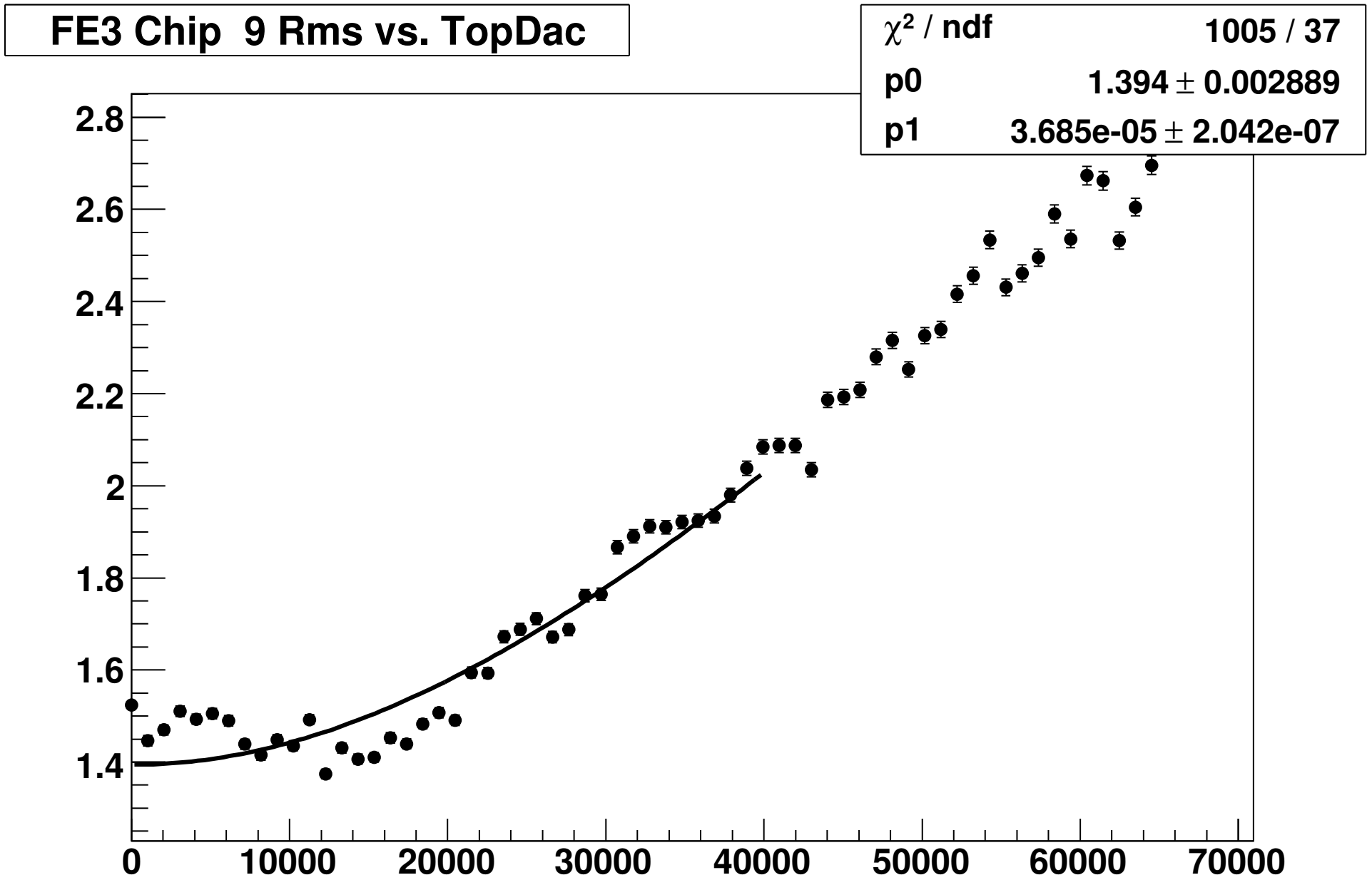
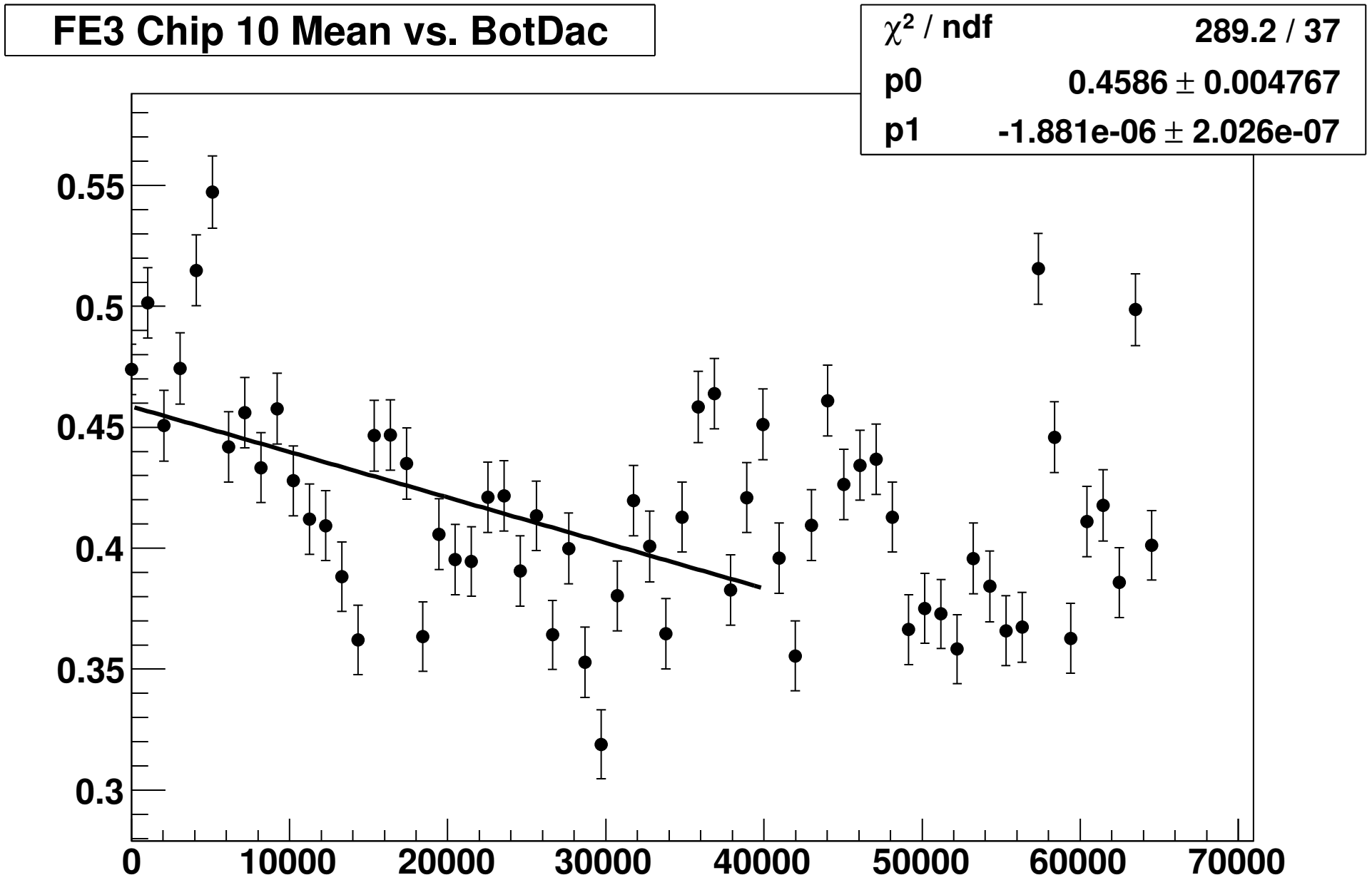
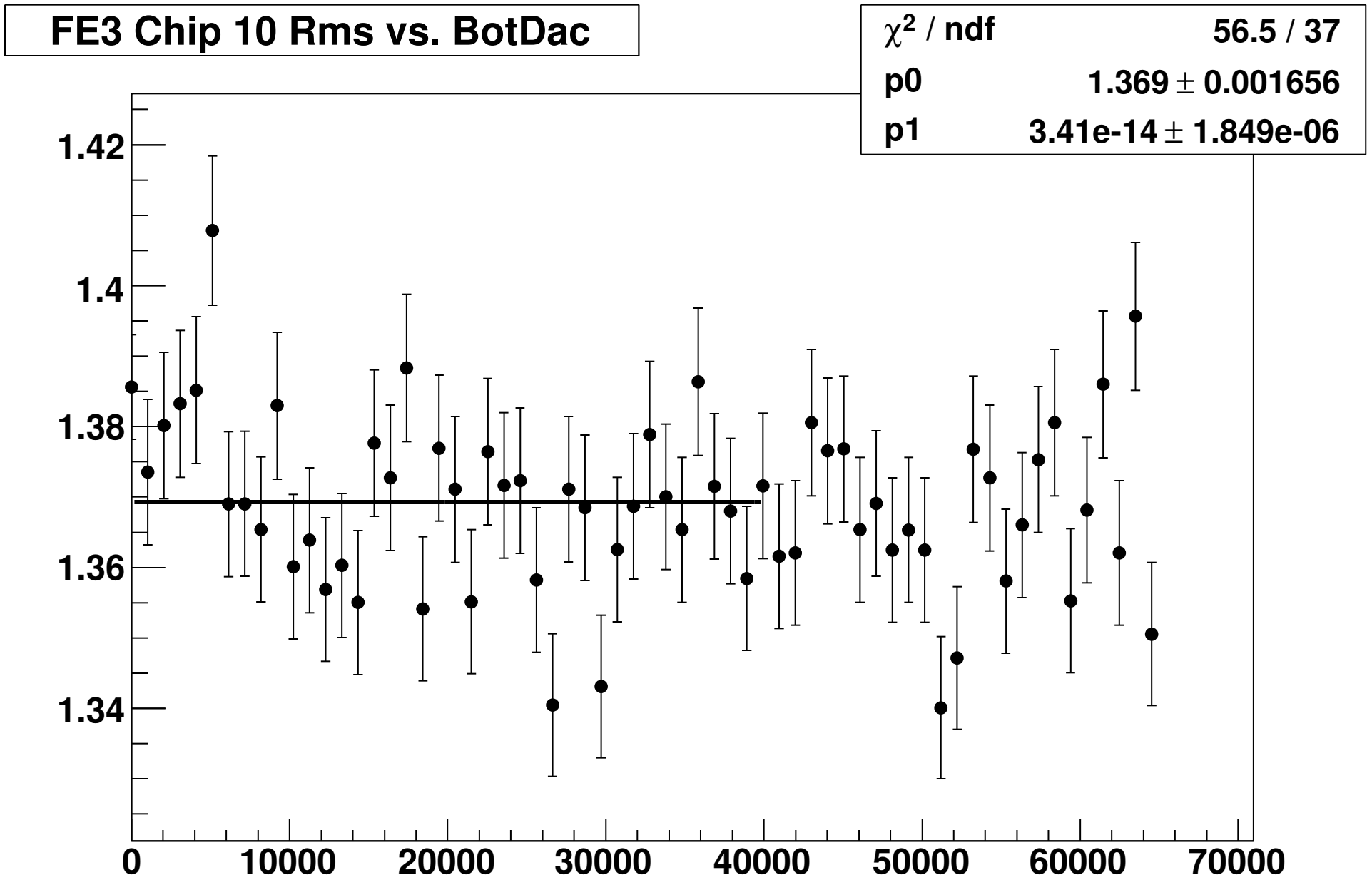
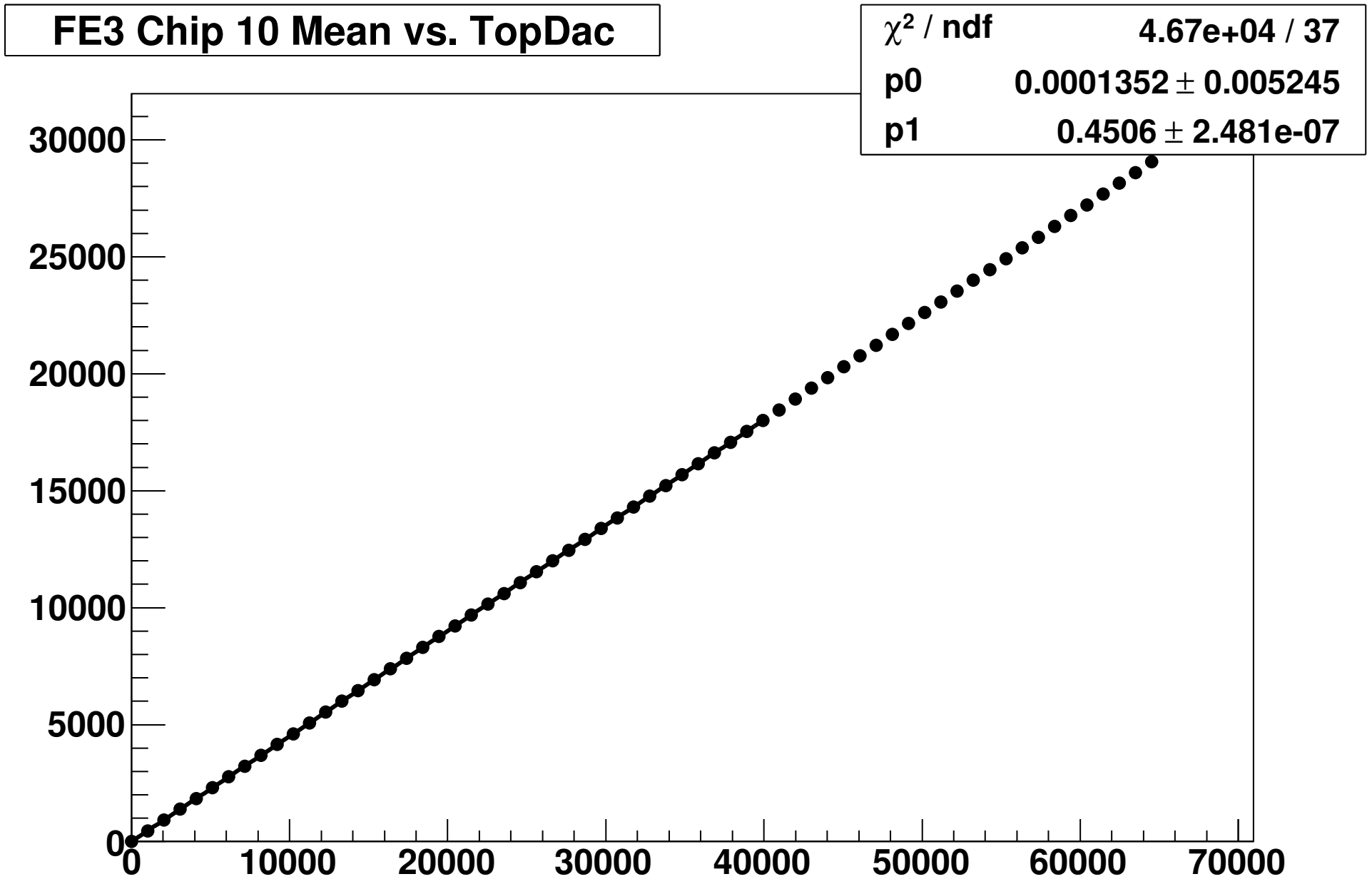
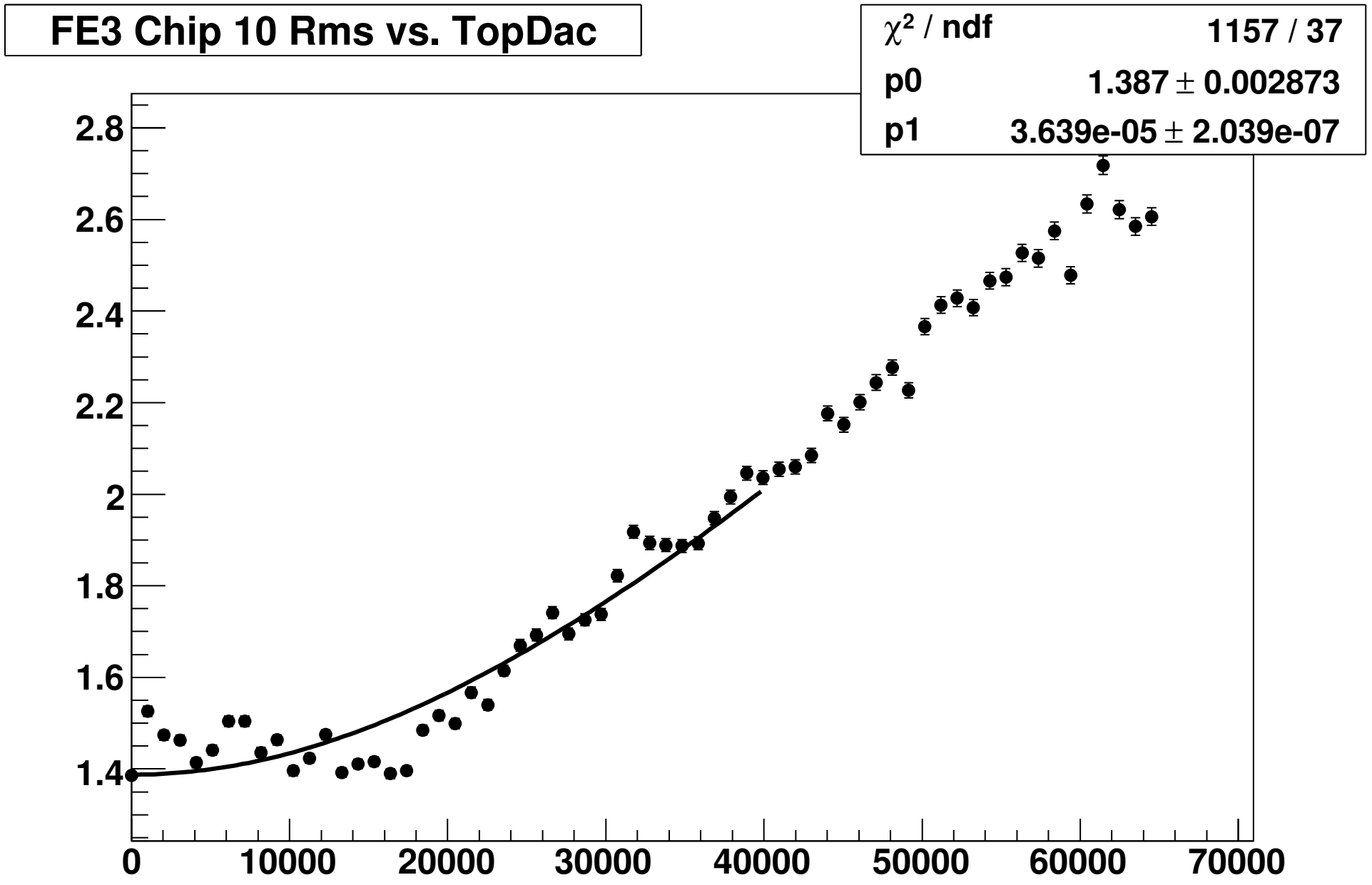

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.898e+04 / 37
p0 7.801 ± 0.005262
p1 0.4508 ± 2.492e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

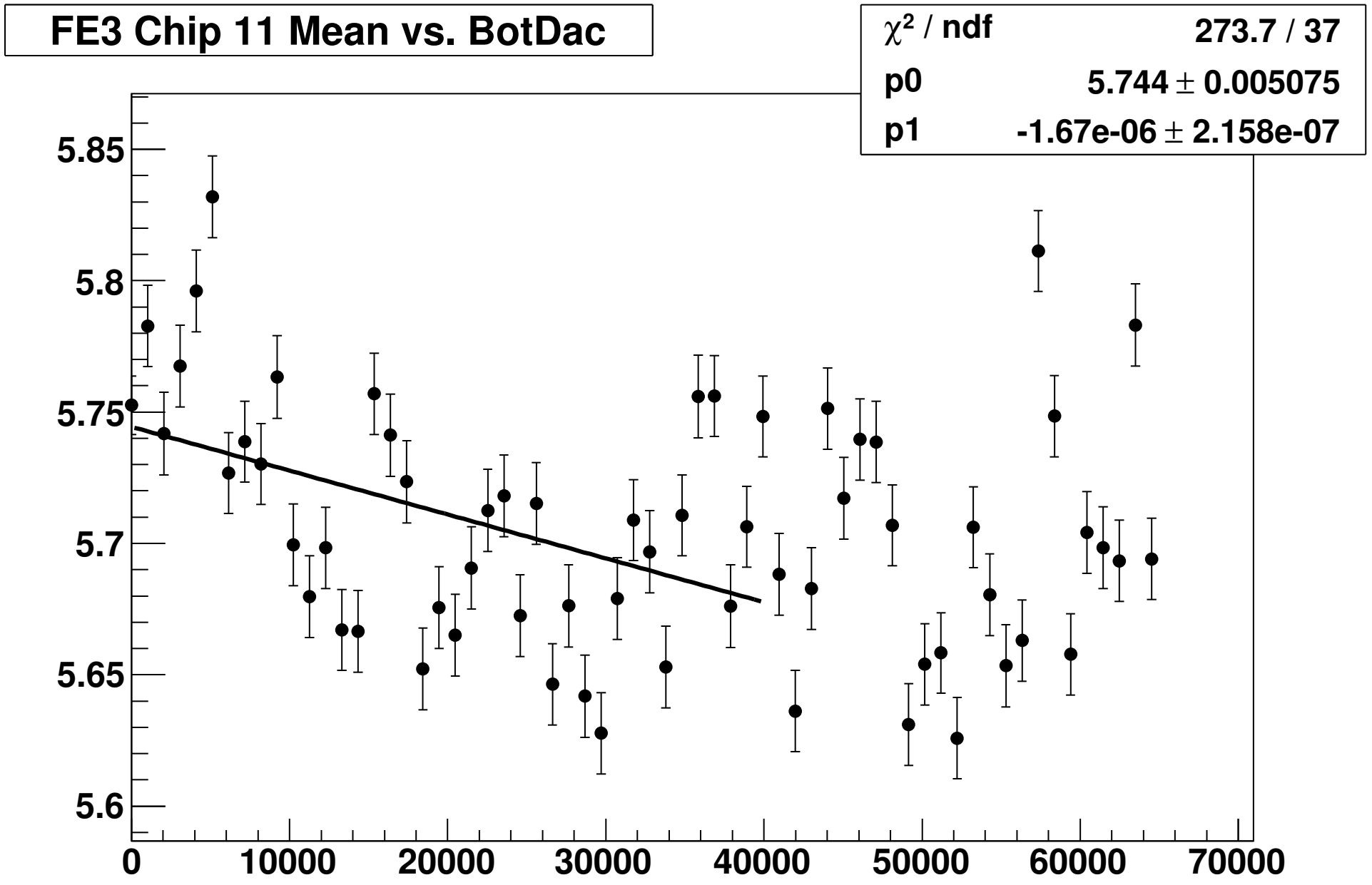

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1005 / 37
p0 1.394 ± 0.002889
p1 3.685e-05 ± 2.042e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

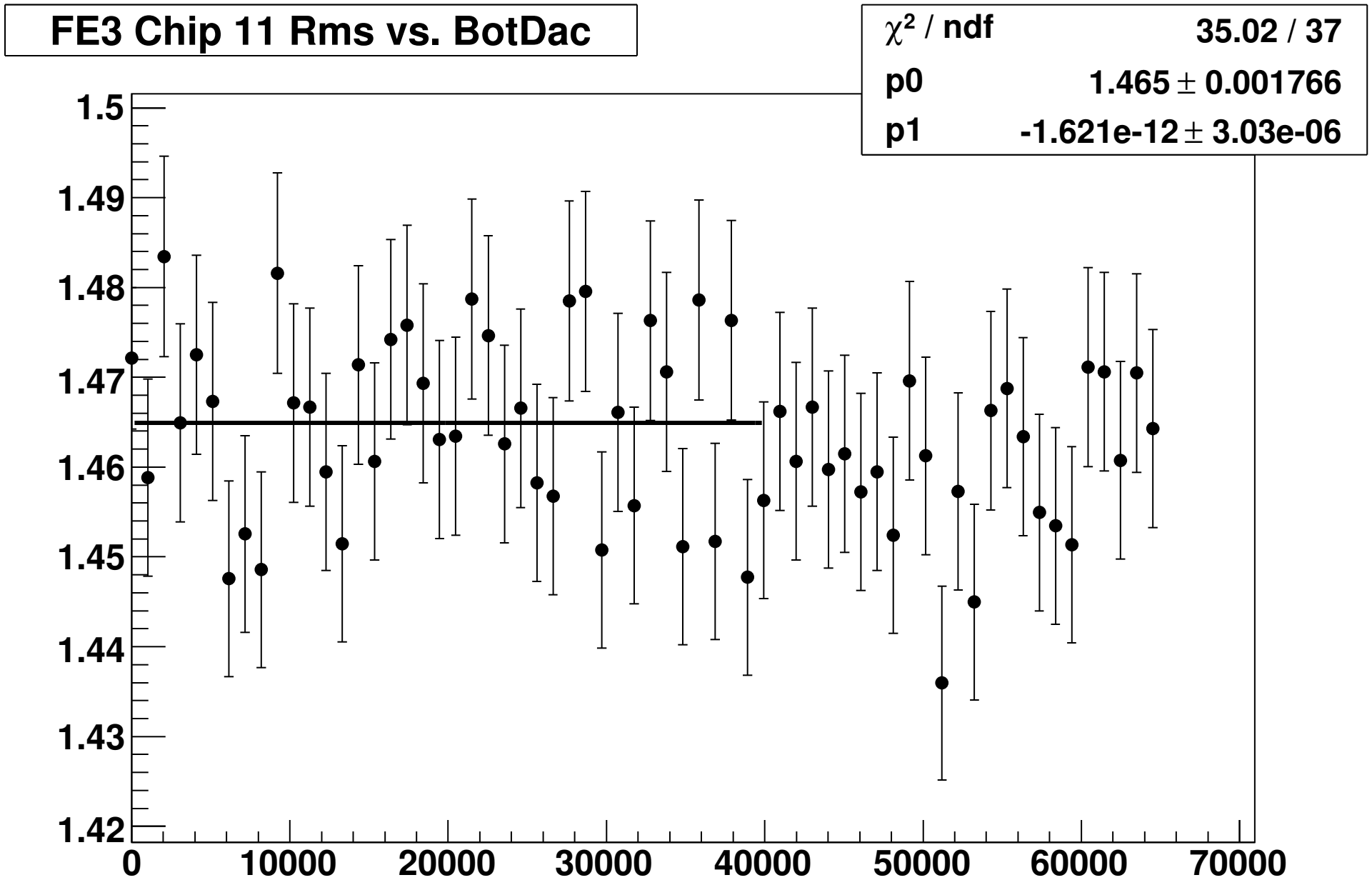

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 289.2 / 37
p0 0.4586 ± 0.004767
p1 -1.881e-06 ± 2.026e-07
0.55
0.5
0.45
0.4
0.35
0.3
0
10000
20000
30000
40000
50000
60000
70000

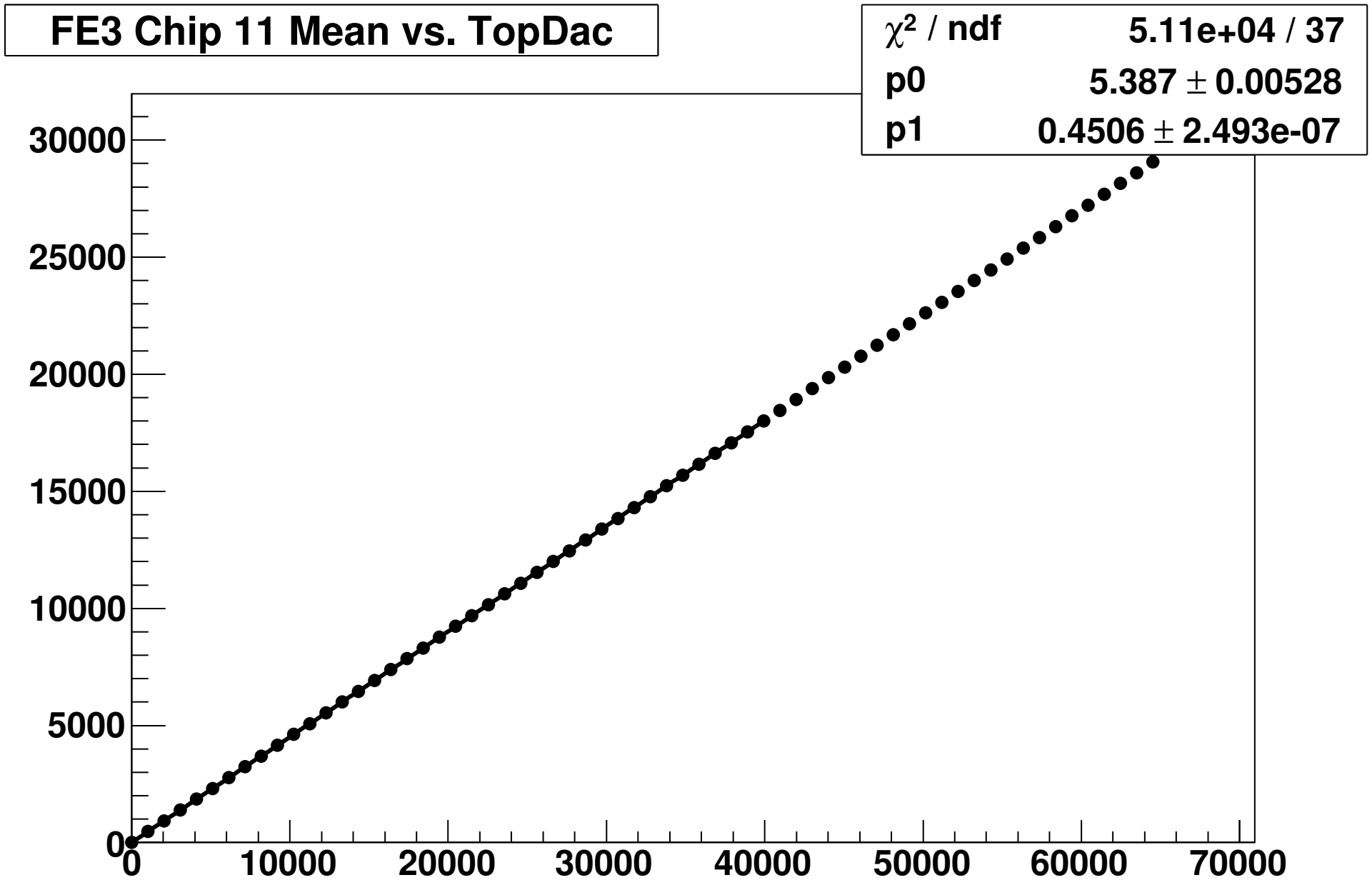

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 56.5 / 37
p0 1.369 ± 0.001656
p1 3.41e-14 ± 1.849e-06
1.42
1.4
1.38
1.36
1.34
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 4.67e+04 / 37
p0 0.0001352 ± 0.005245
p1 0.4506 ± 2.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1157 / 37
p0 1.387 ± 0.002873
p1 3.639e-05 ± 2.039e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 273.7 / 37
p0 5.744 ± 0.005075
p1 -1.67e-06 ± 2.158e-07
5.85
5.8
5.75
5.7
5.65
5.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 35.02 / 37
p0 1.465 ± 0.001766
p1 -1.621e-12 ± 3.03e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 5.11e+04 / 37
p0 5.387 ± 0.00528
p1 0.4506 ± 2.493e-07
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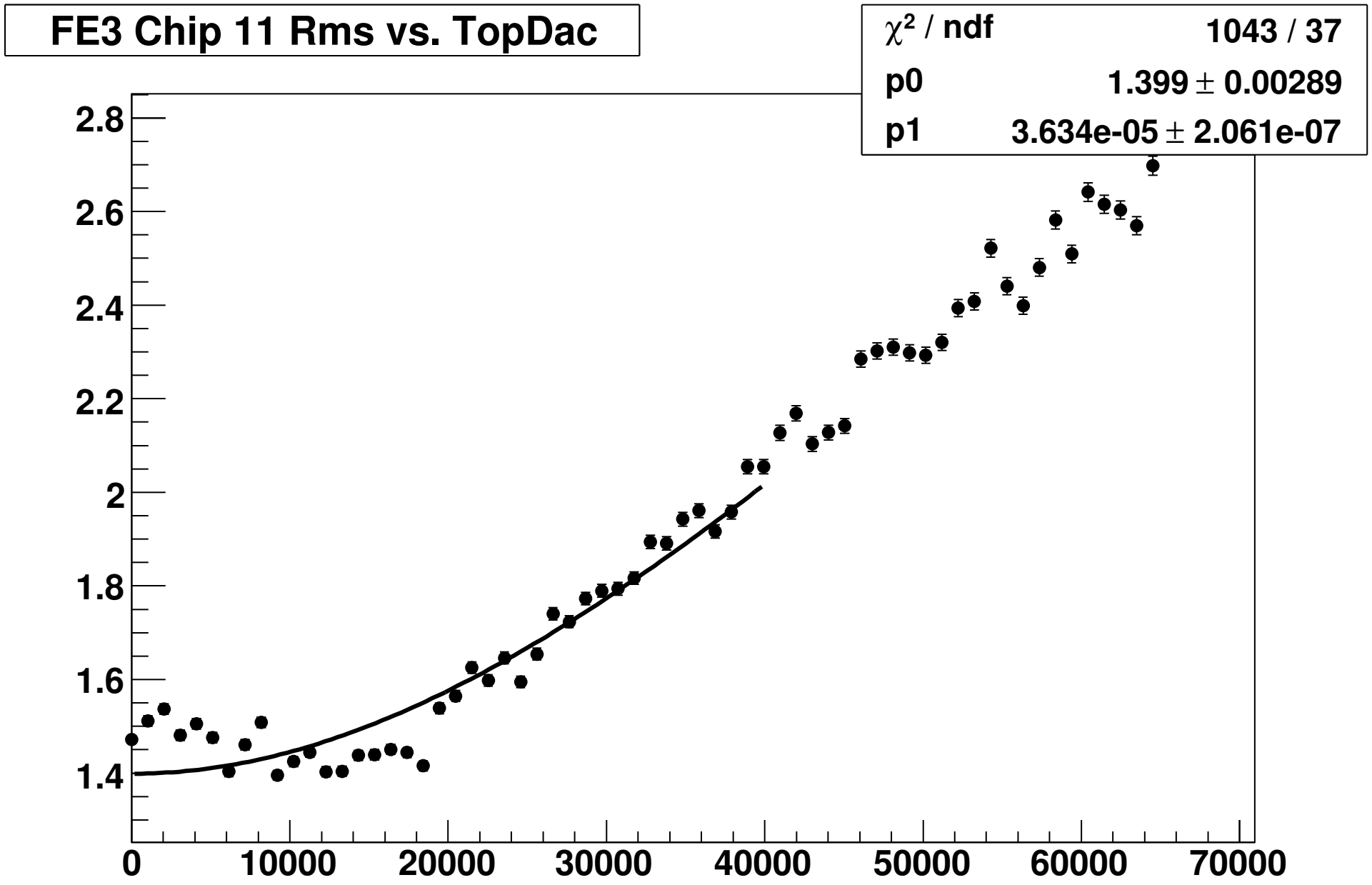
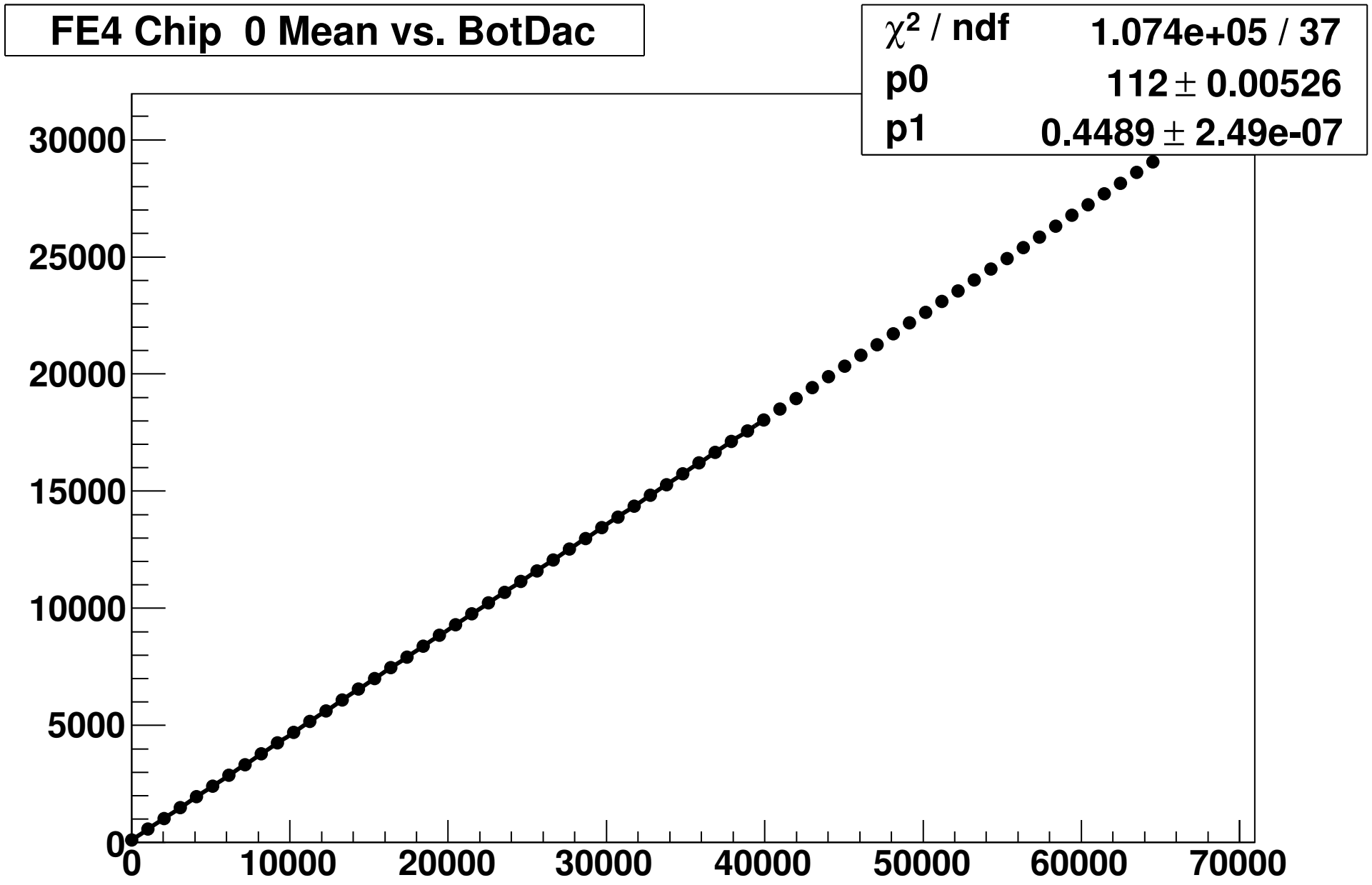
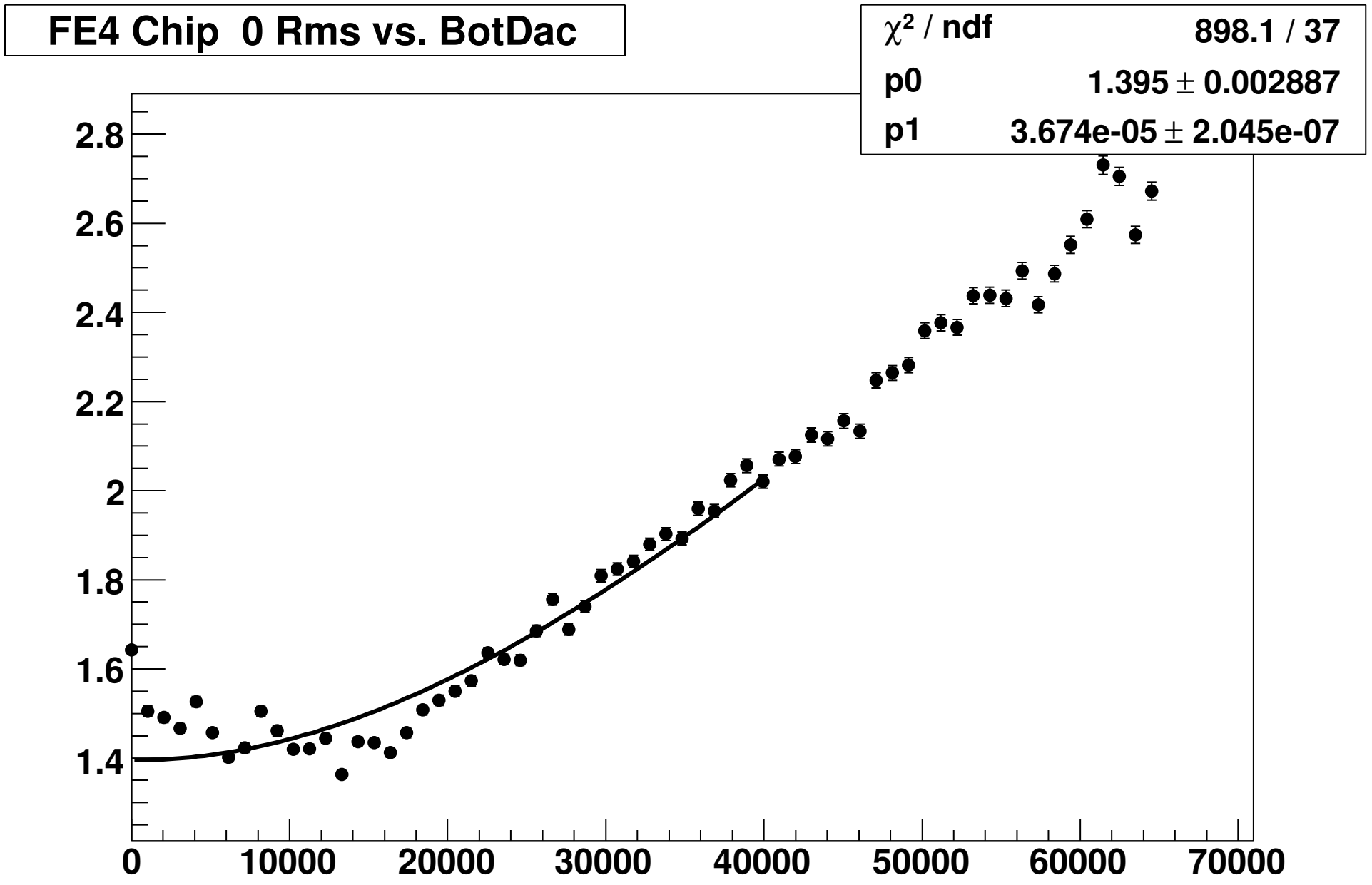
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1043 / 37
p0 1.399 ± 0.00289
p1 3.634e-05 ± 2.061e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 1.074e+05 / 37
p0 112 ± 0.00526
p1 0.4489 ± 2.49e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 898.1 / 37
p0 1.395 ± 0.002887
p1 3.674e-05 ± 2.045e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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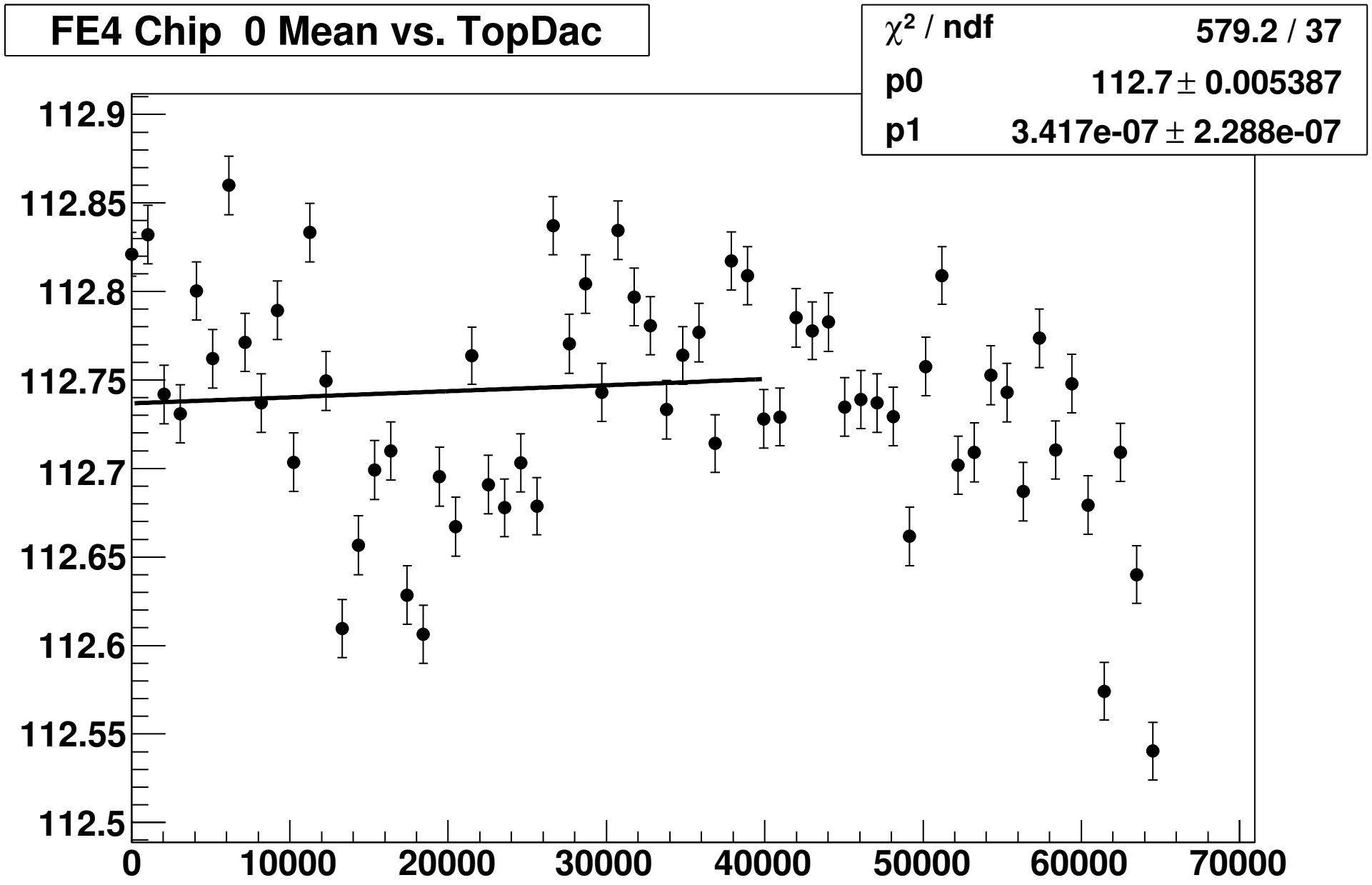
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 579.2 / 37
p0 112.7 ± 0.005387
p1 3.417e-07 ± 2.288e-07
112.9
112.85
112.8
112.75
112.7
112.65
112.6
112.55
112.5
0
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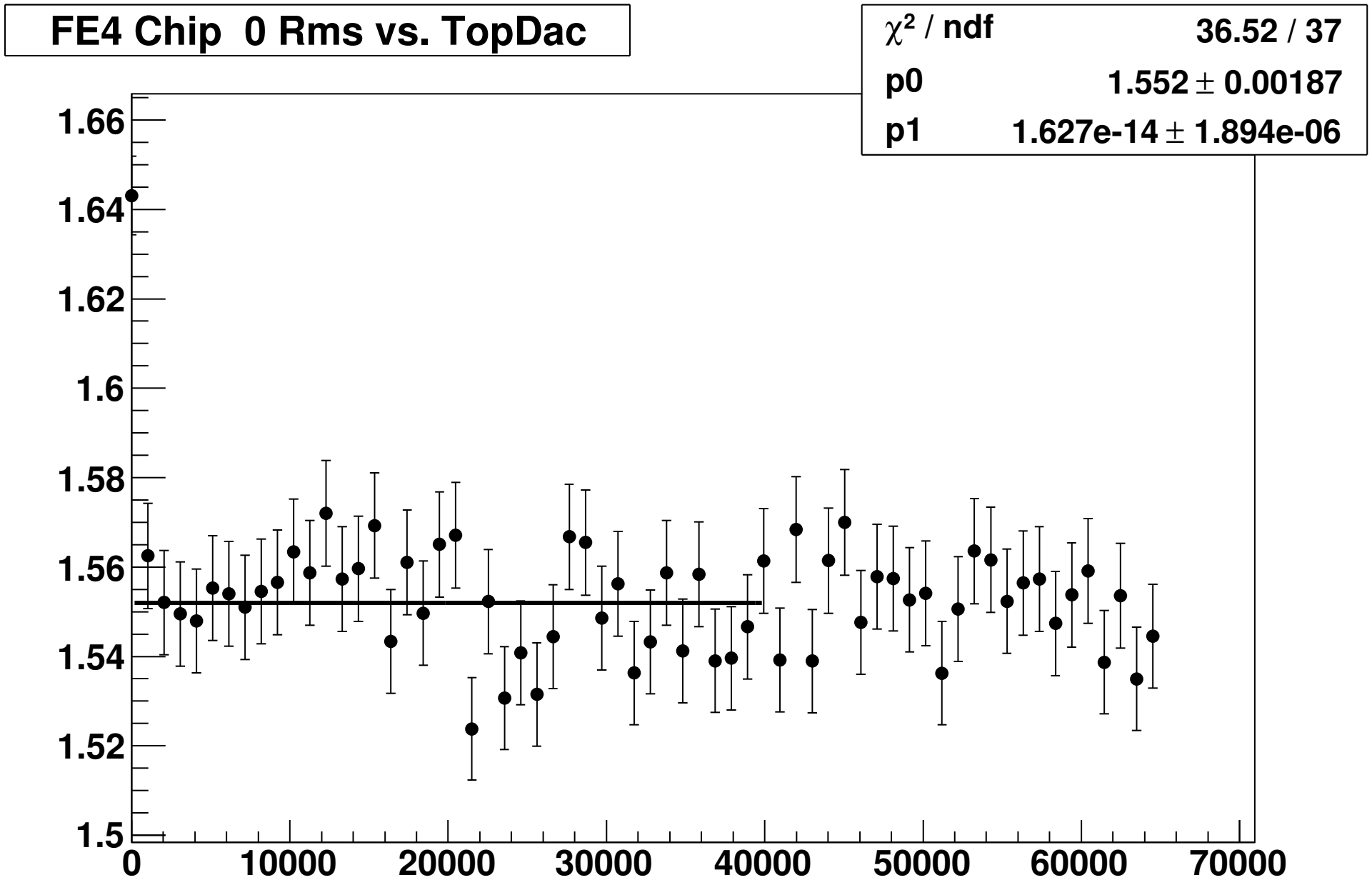
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 36.52 / 37
p0 1.552 ± 0.00187
p1 1.627e-14 ± 1.894e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
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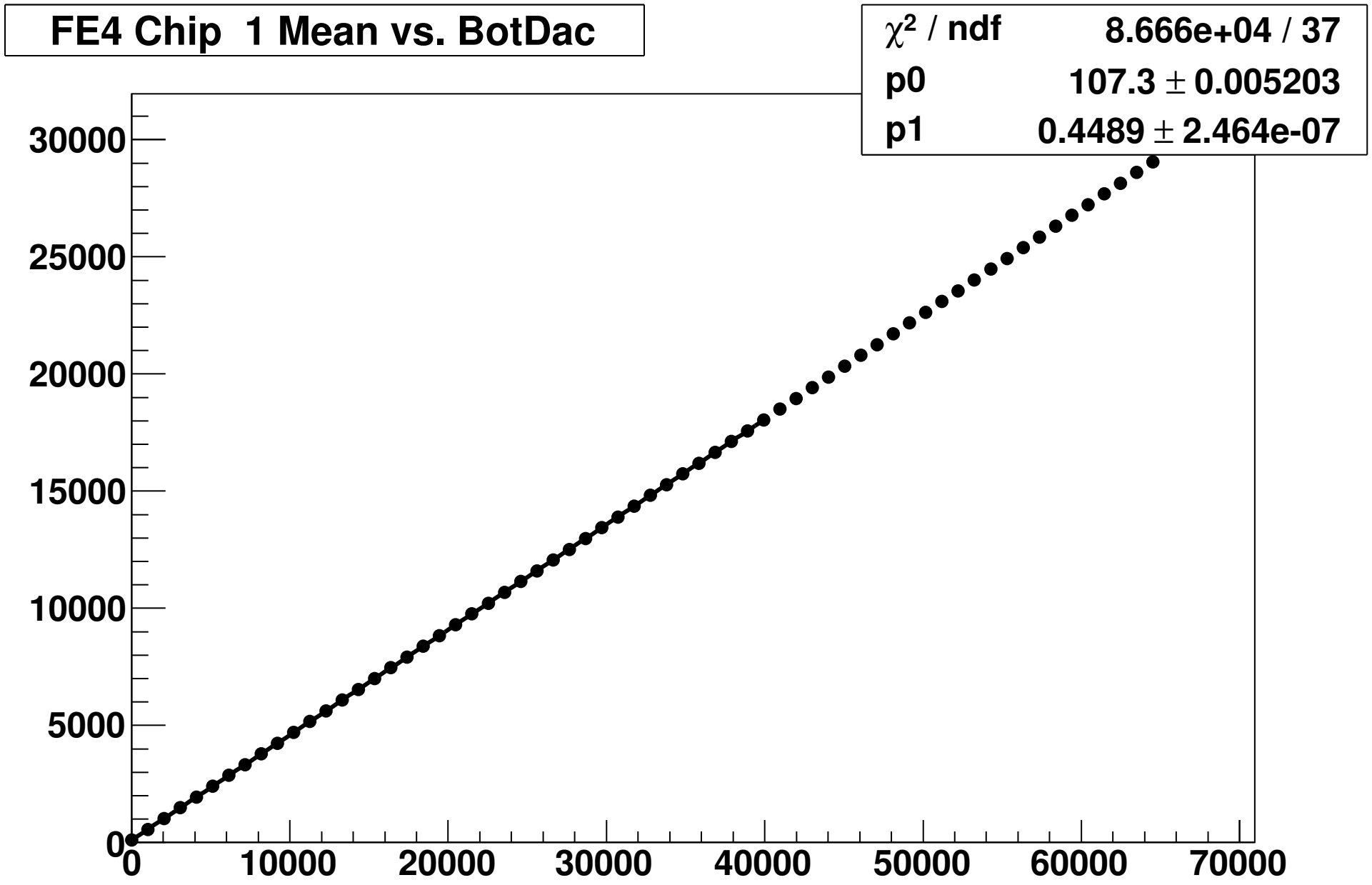
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 8.666e+04 / 37
p0 107.3 ± 0.005203
p1 0.4489 ± 2.464e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
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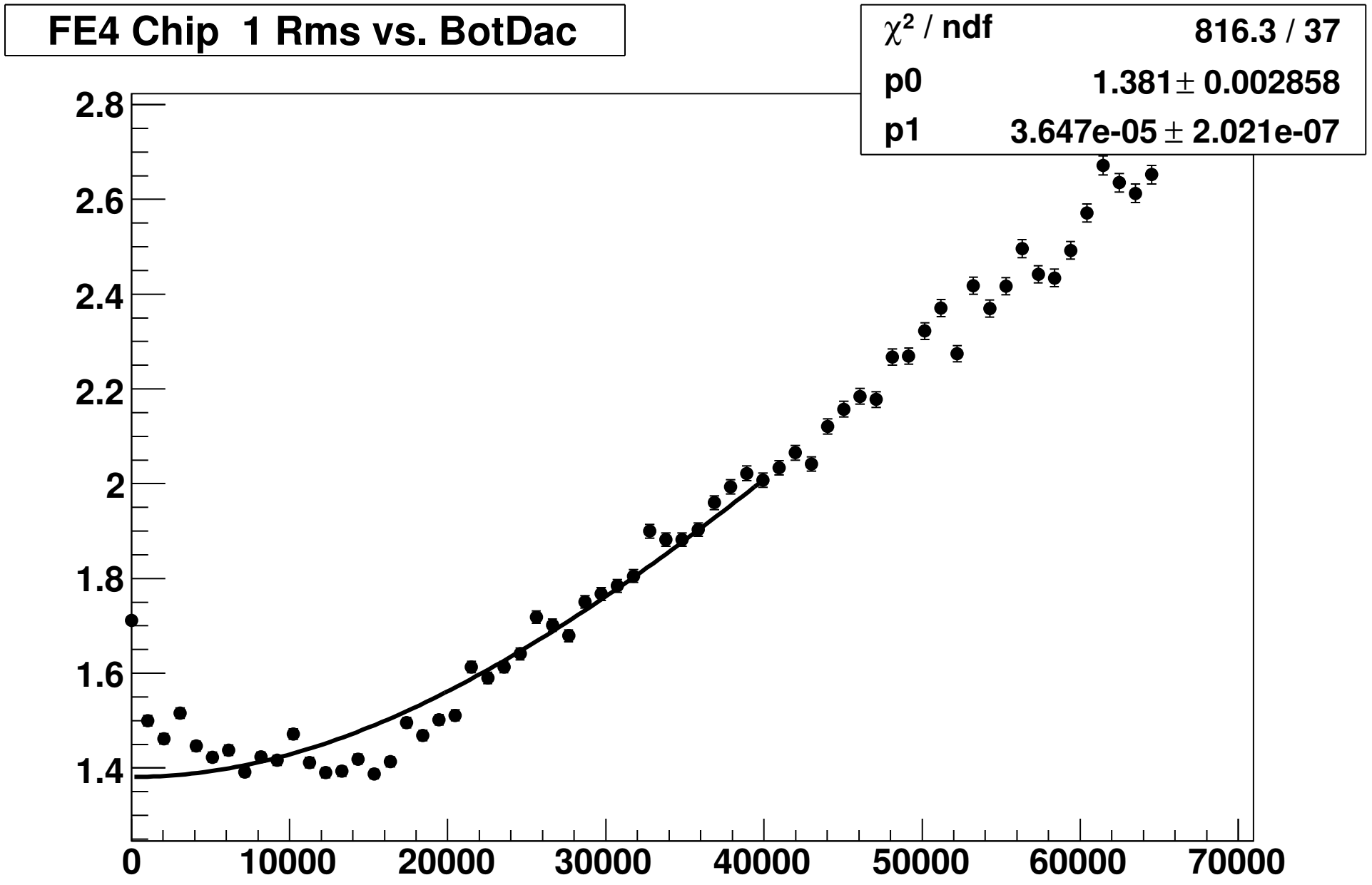
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 816.3 / 37
p0 1.381 ± 0.002858
p1 3.647e-05 ± 2.021e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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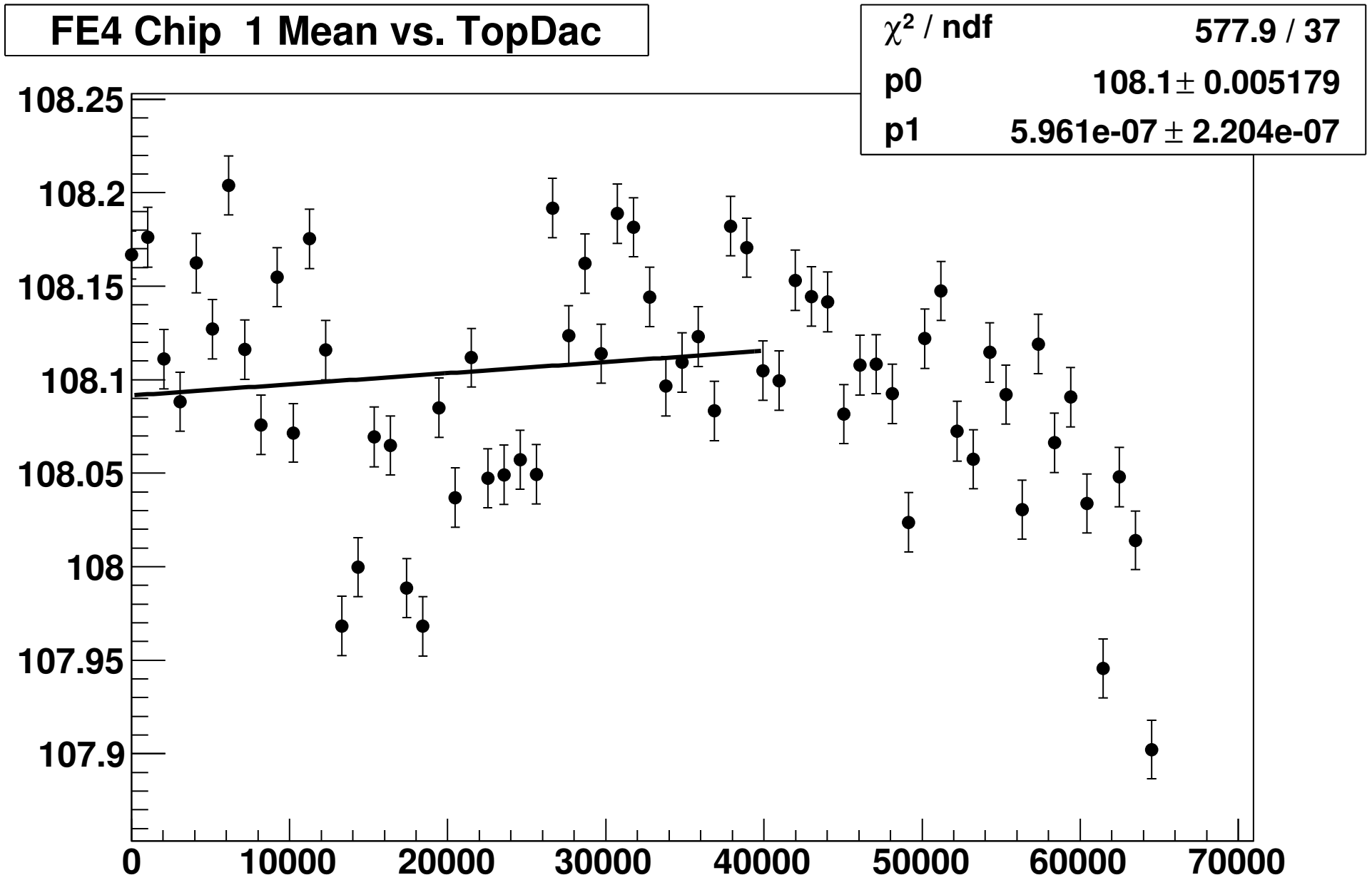
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 577.9 / 37
p0 108.1 ± 0.005179
p1 5.961e-07 ± 2.204e-07
108.25
108.2
108.15
108.1
108.05
108
107.95
107.9
0
10000
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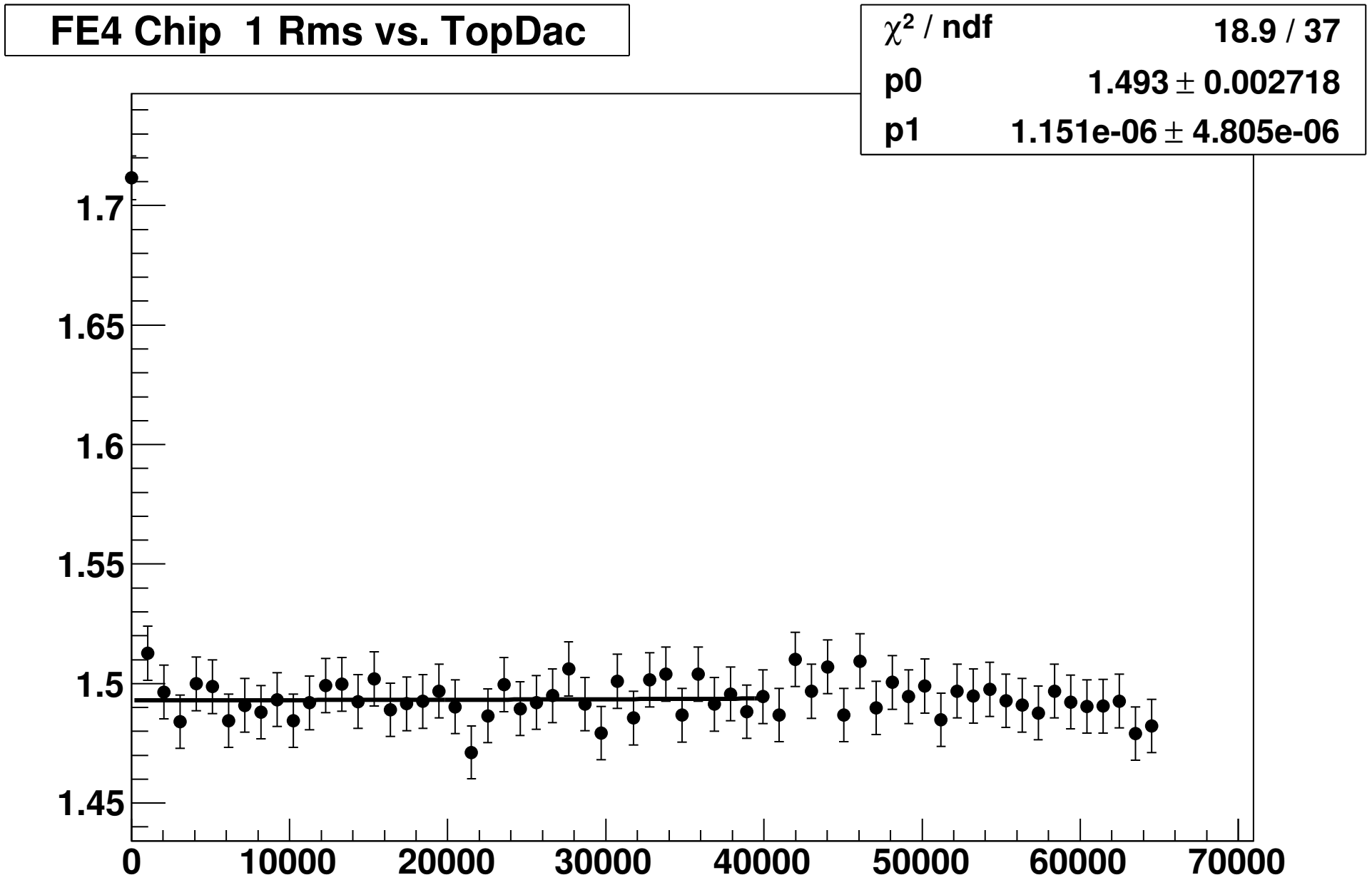
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 18.9 / 37
p0 1.493 ± 0.002718
p1 1.151e-06 ± 4.805e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
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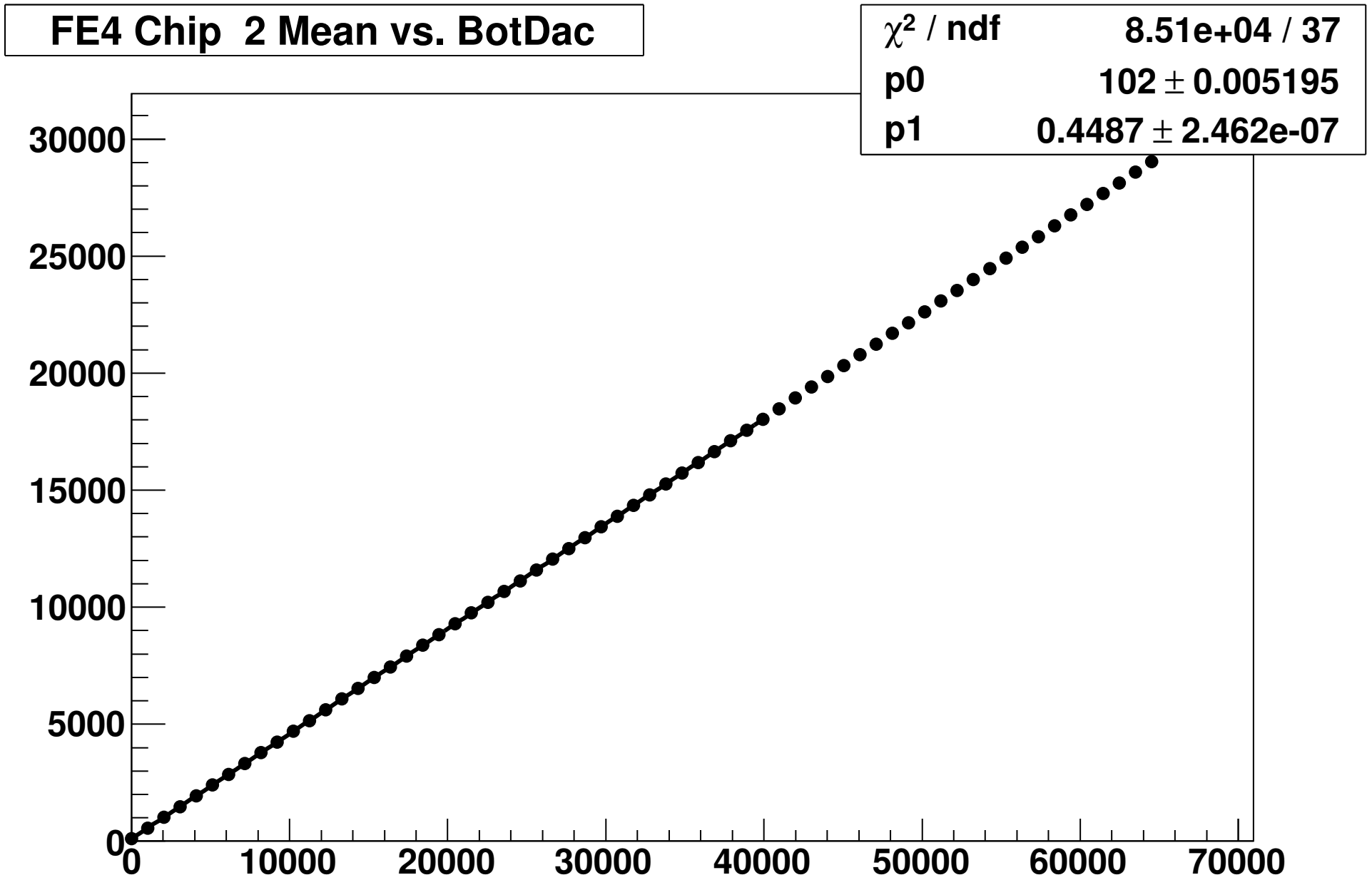
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 8.51e+04 / 37
p0 102 ± 0.005195
p1 0.4487 ± 2.462e-07
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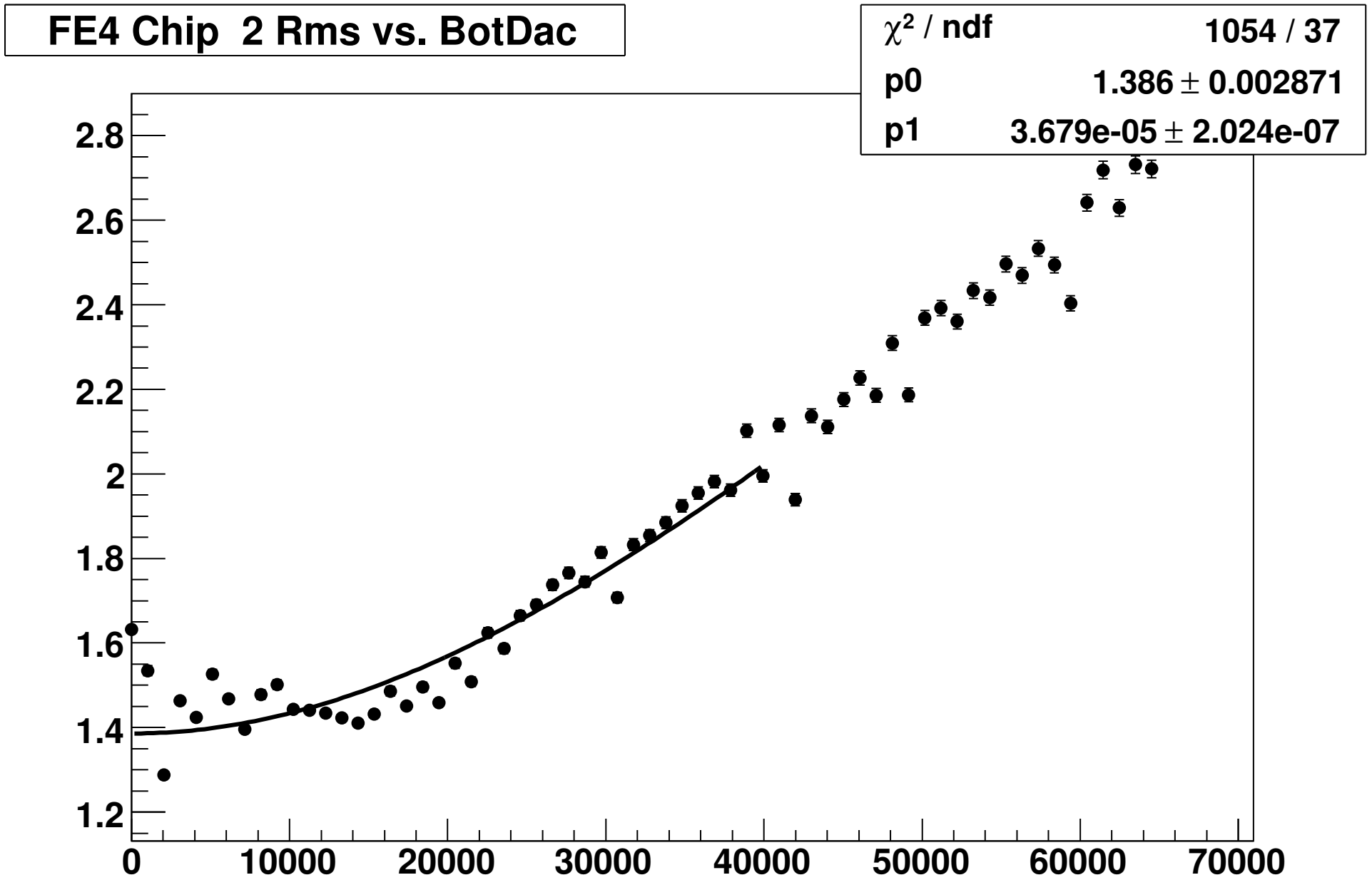
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1054 / 37
p0 1.386 ± 0.002871
p1 3.679e-05 ± 2.024e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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50000
60000
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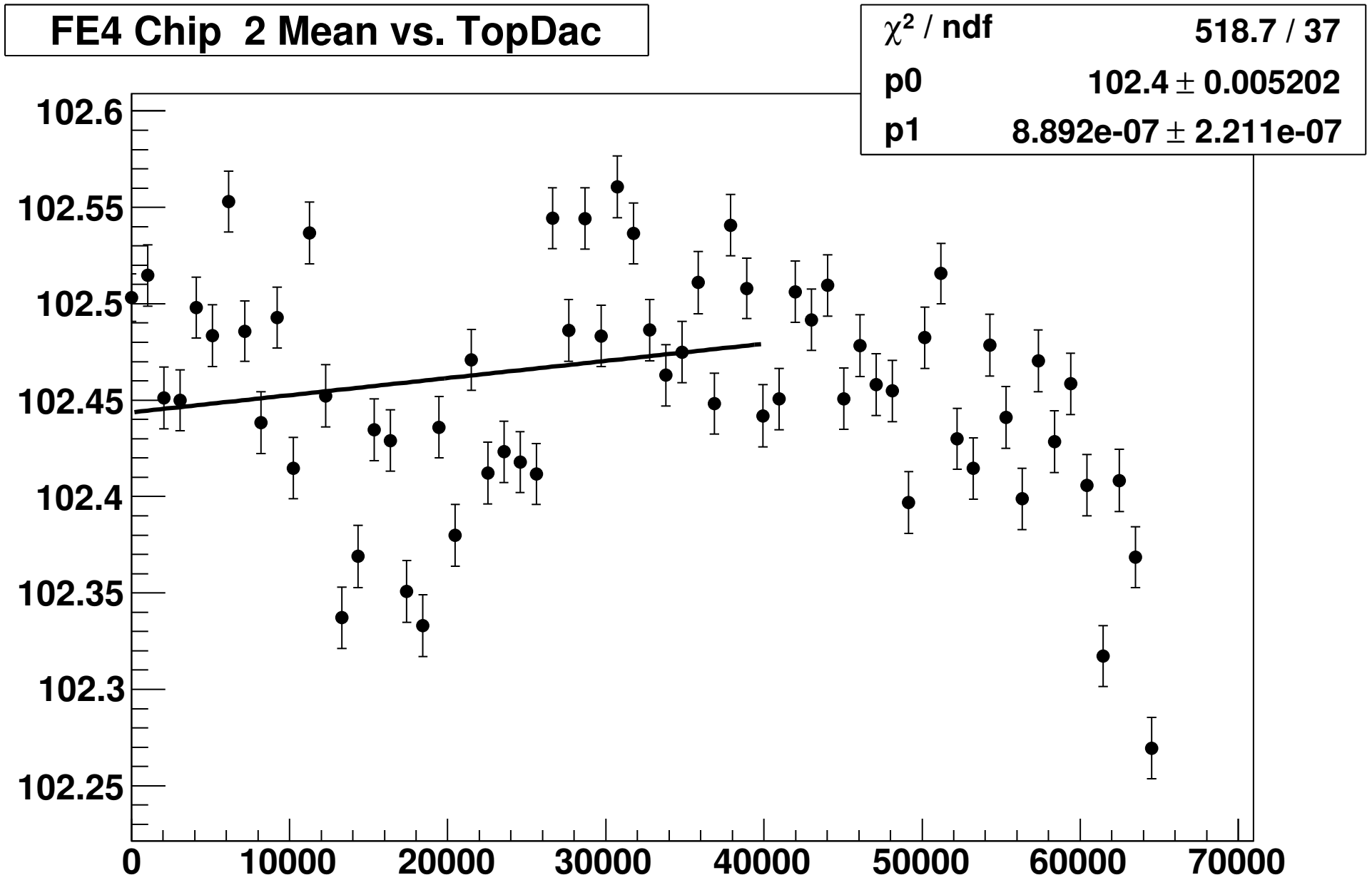
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 518.7 / 37
p0 102.4 ± 0.005202
p1 8.892e-07 ± 2.211e-07
102.6
102.55
102.5
102.45
102.4
102.35
102.3
102.25
0
10000
20000
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60000
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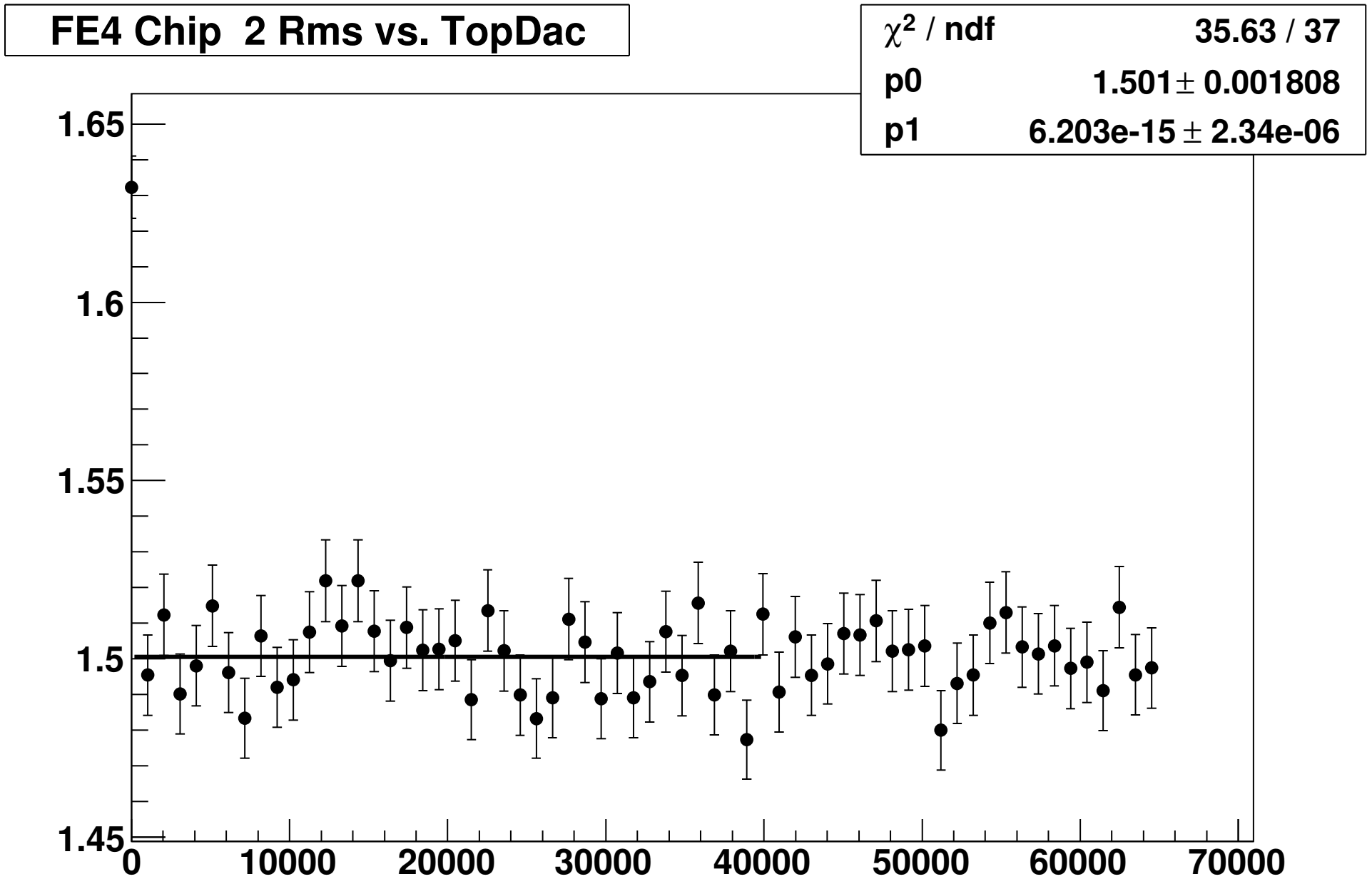
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 35.63 / 37
p0 1.501 ± 0.001808
p1 6.203e-15 ± 2.34e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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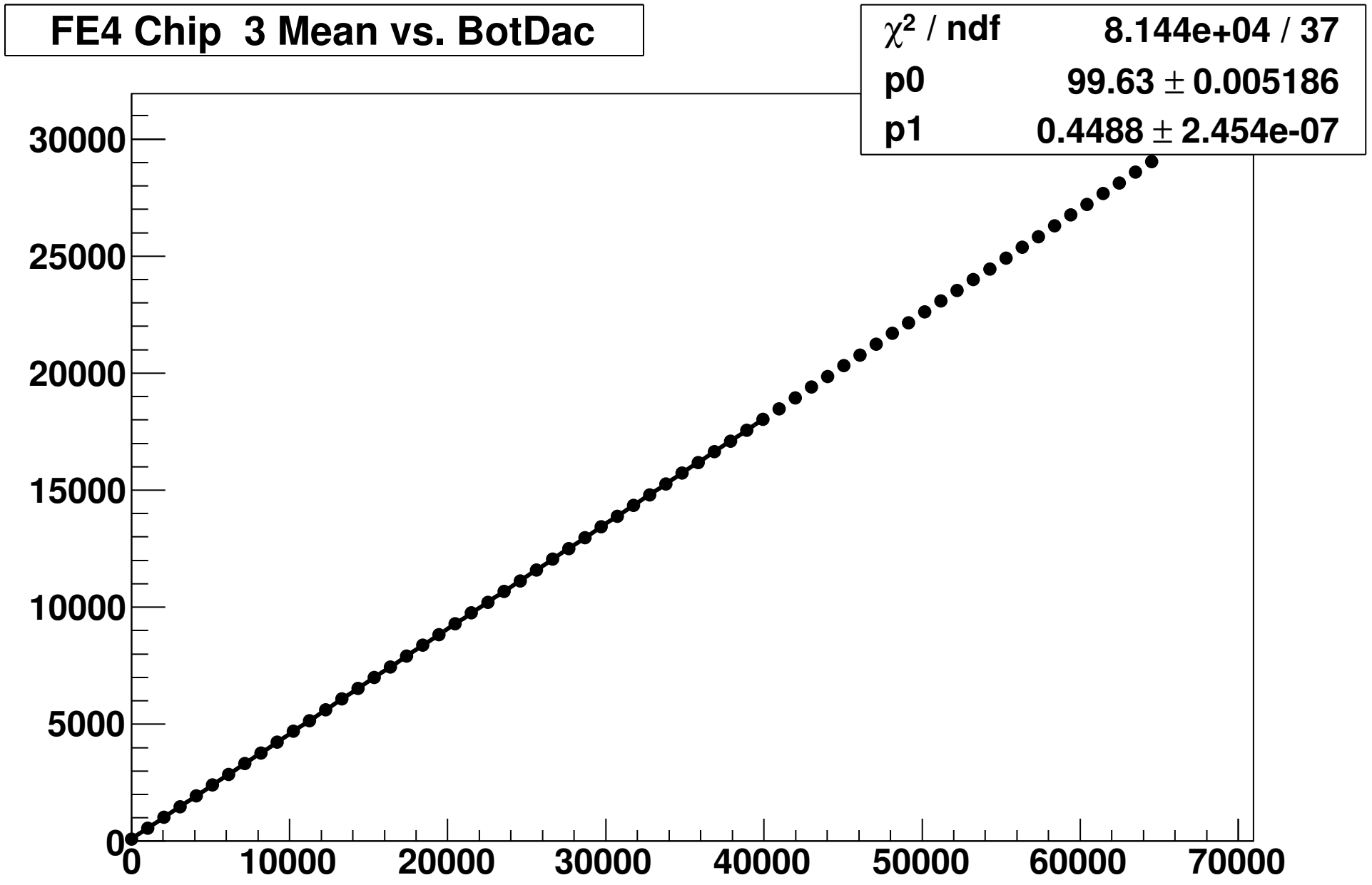
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 8.144e+04 / 37
p0 99.63 ± 0.005186
p1 0.4488 ± 2.454e-07
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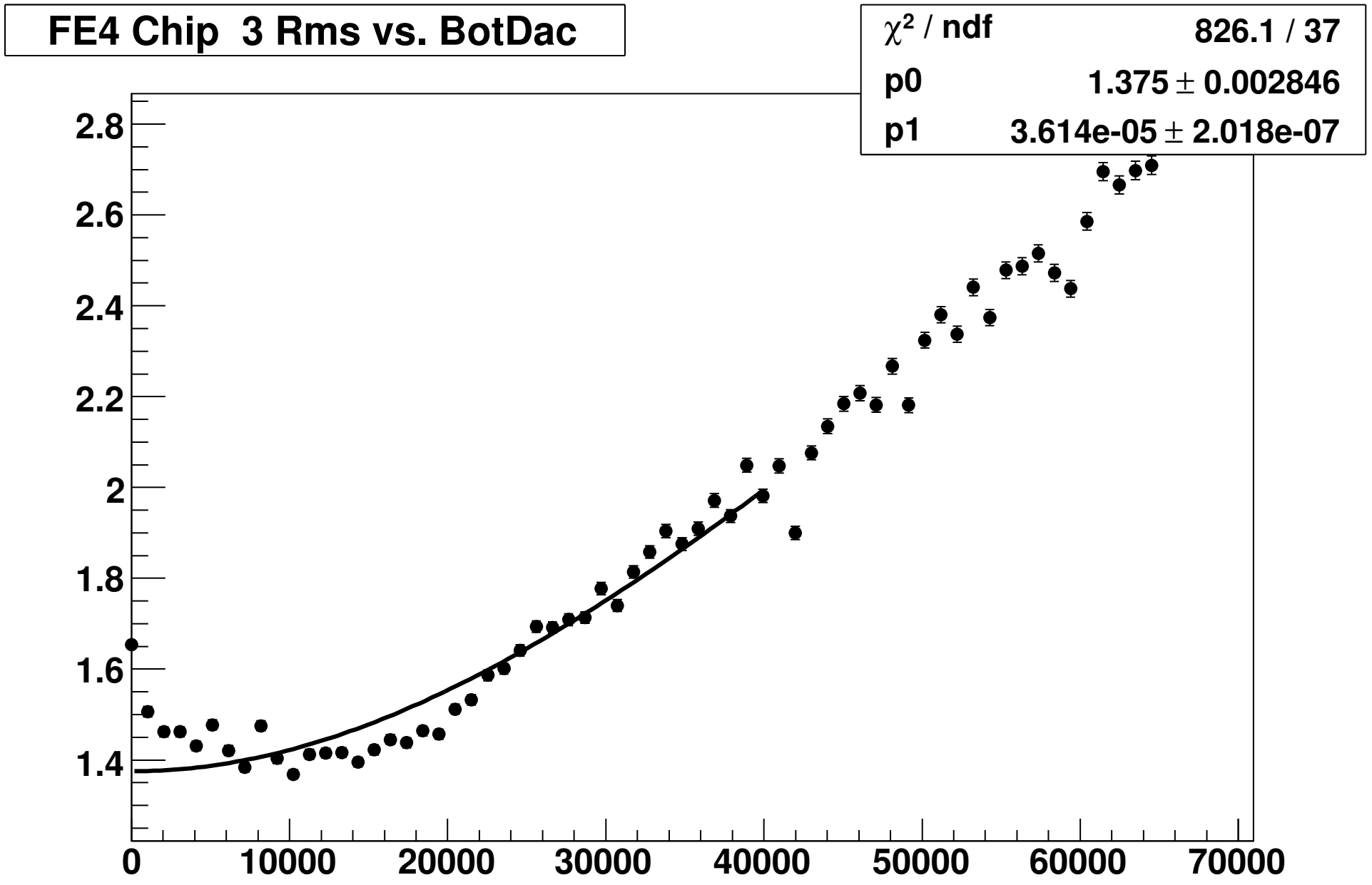
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 826.1 / 37
p0 1.375 ± 0.002846
p1 3.614e-05 ± 2.018e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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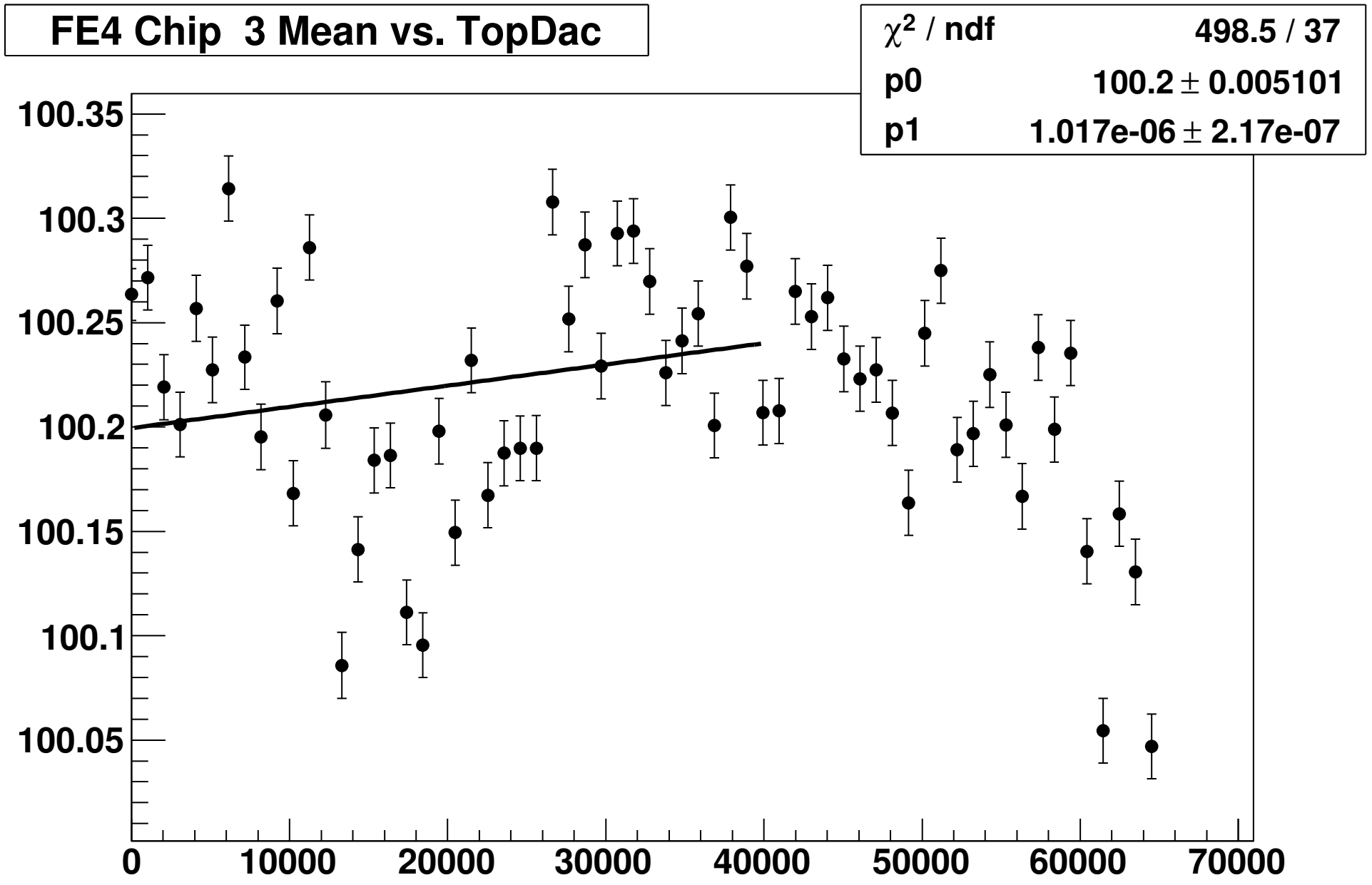
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 498.5 / 37
p0 100.2 ± 0.005101
p1 1.017e-06 ± 2.17e-07
100.35
100.3
100.25
100.2
100.15
100.1
100.05
0
10000
20000
30000
40000
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60000
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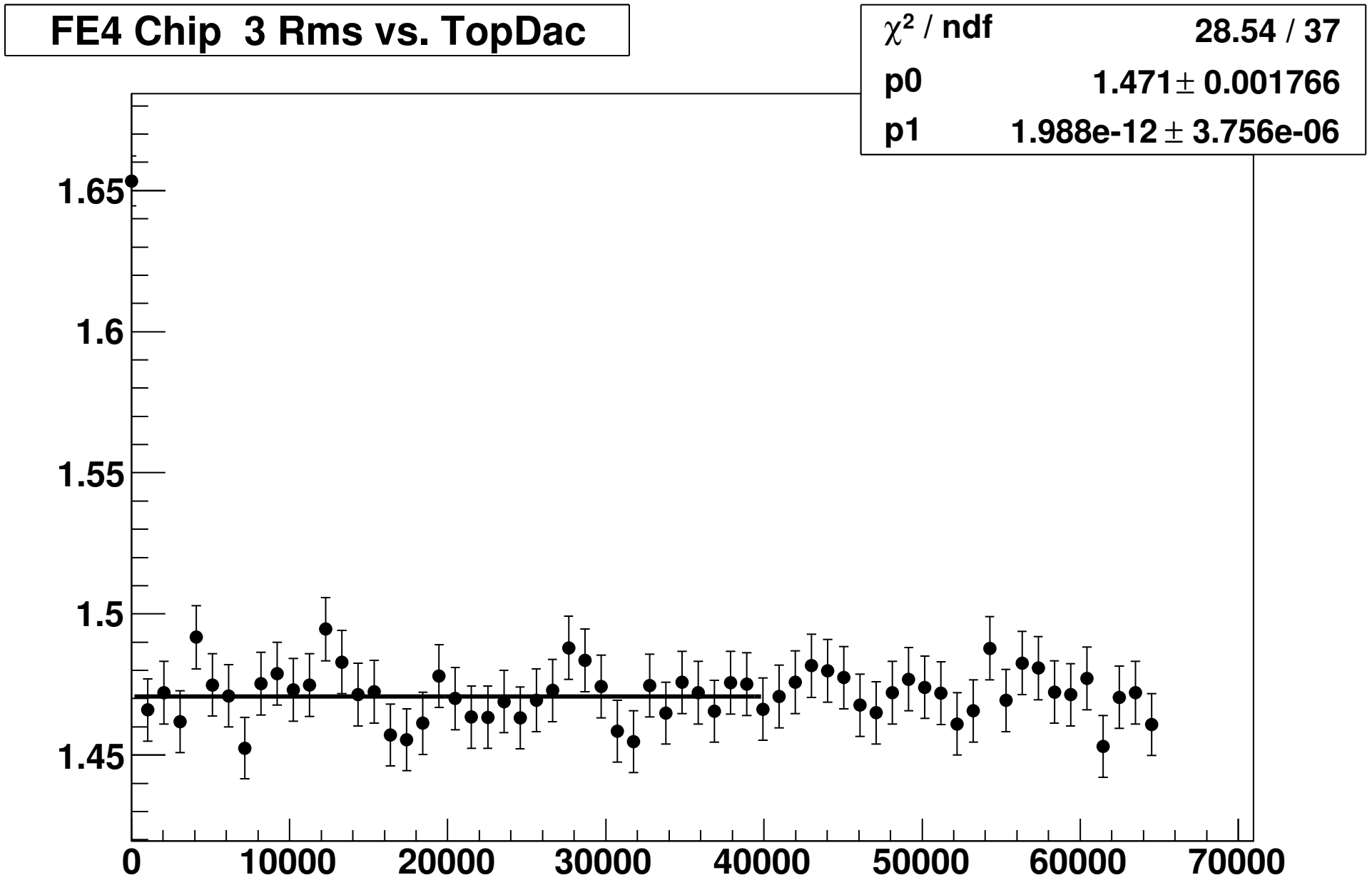
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 28.54 / 37
p0 1.471 ± 0.001766
p1 1.988e-12 ± 3.756e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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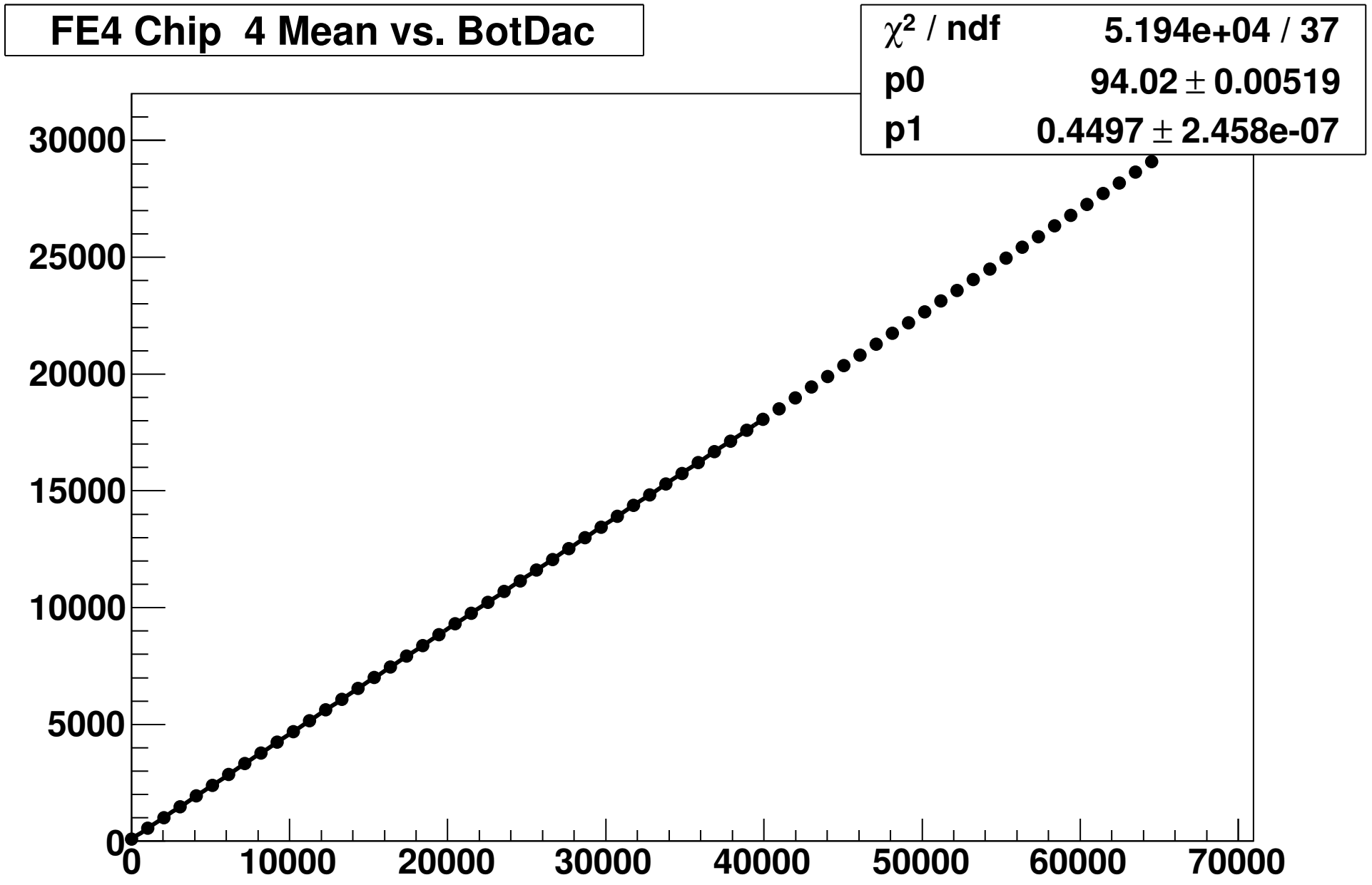
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 5.194e+04 / 37
p0 94.02 ± 0.00519
p1 0.4497 ± 2.458e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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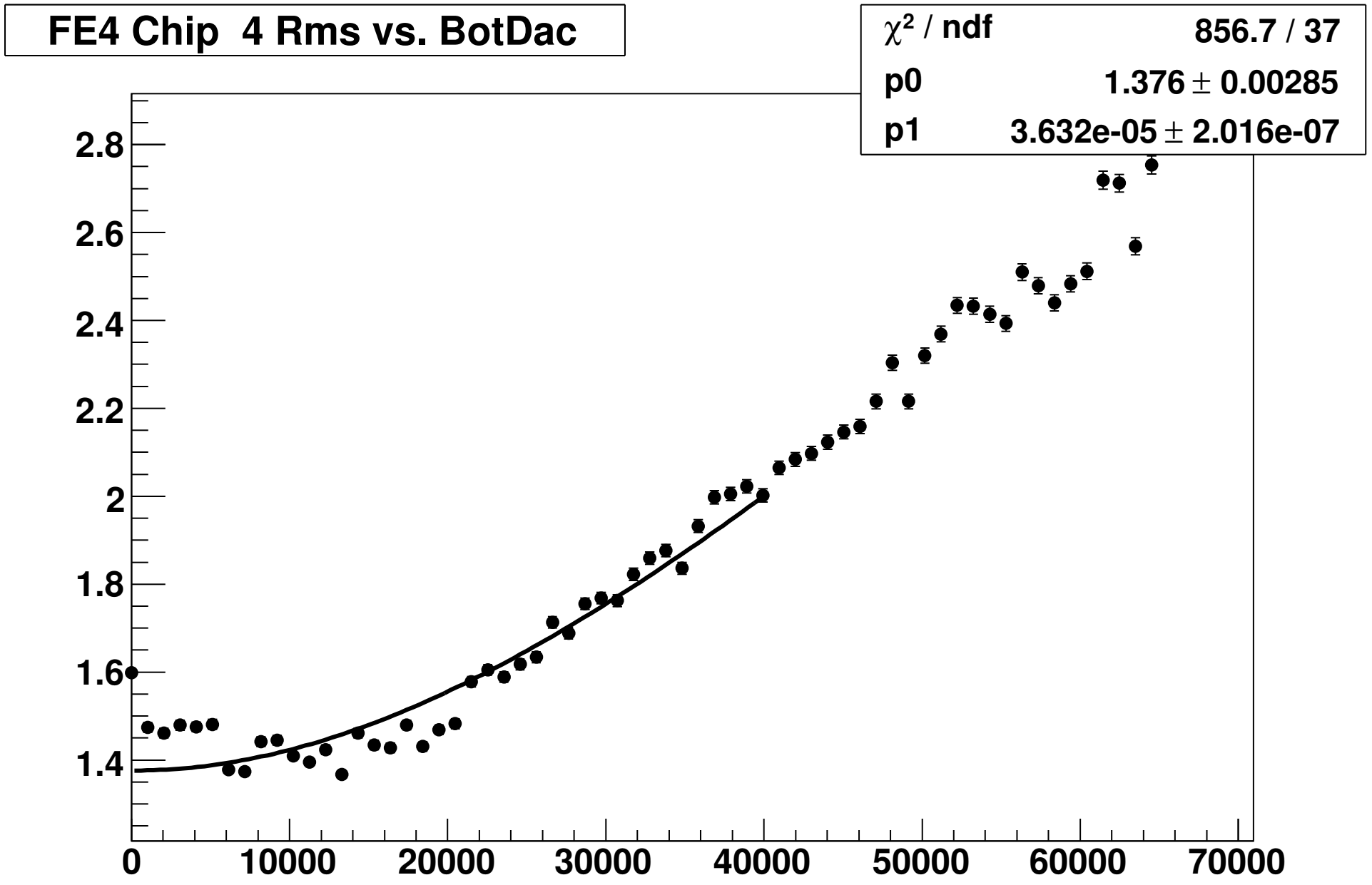
FE4 Chip 4 Rms vs. BotDac
χ² / ndf 856.7 / 37
p0 1.376 ± 0.00285
p1 3.632e-05 ± 2.016e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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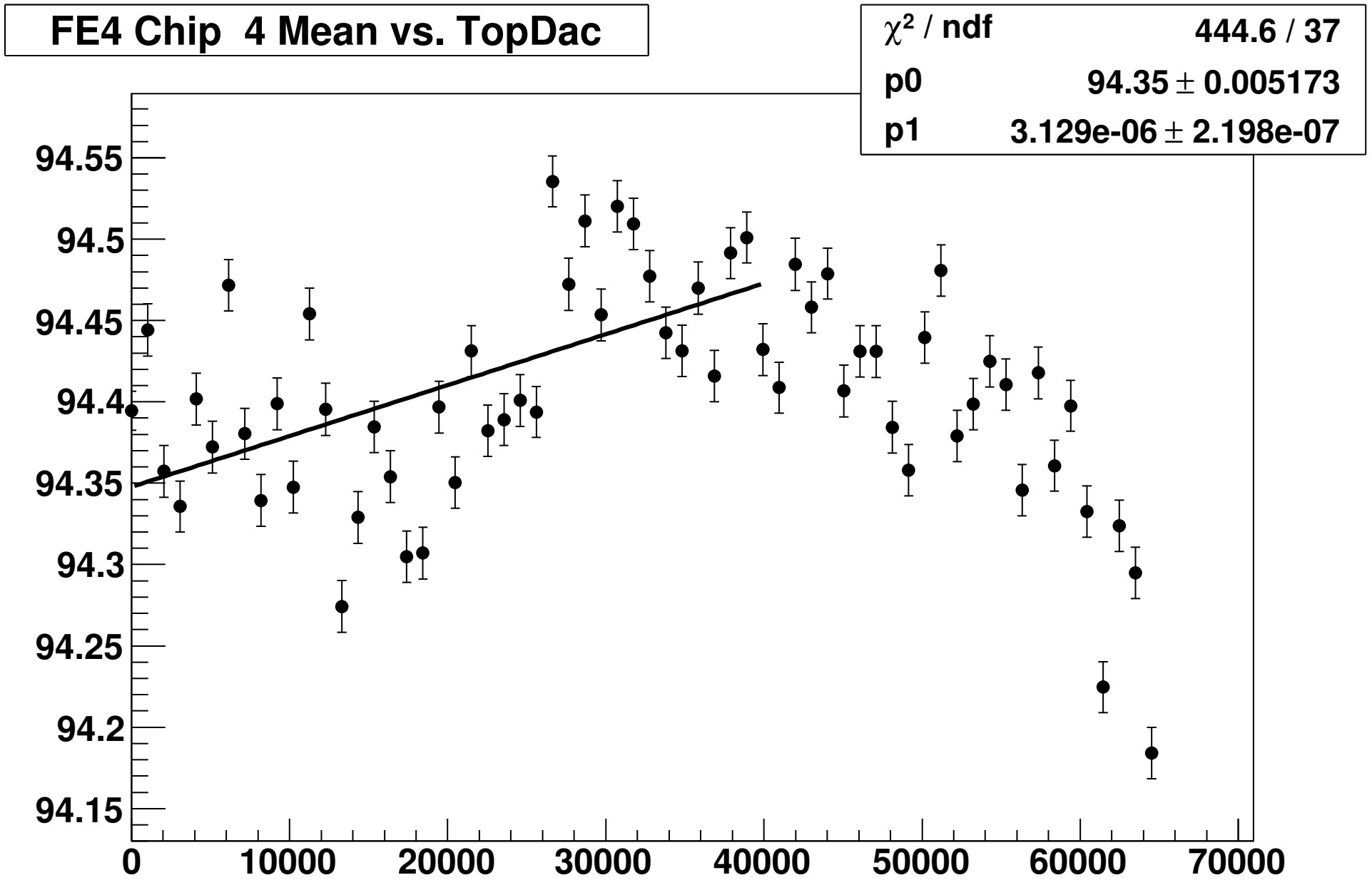
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 444.6 / 37
p0 94.35 ± 0.005173
p1 3.129e-06 ± 2.198e-07
94.55
94.5
94.45
94.4
94.35
94.3
94.25
94.2
94.15
0
10000
20000
30000
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50000
60000
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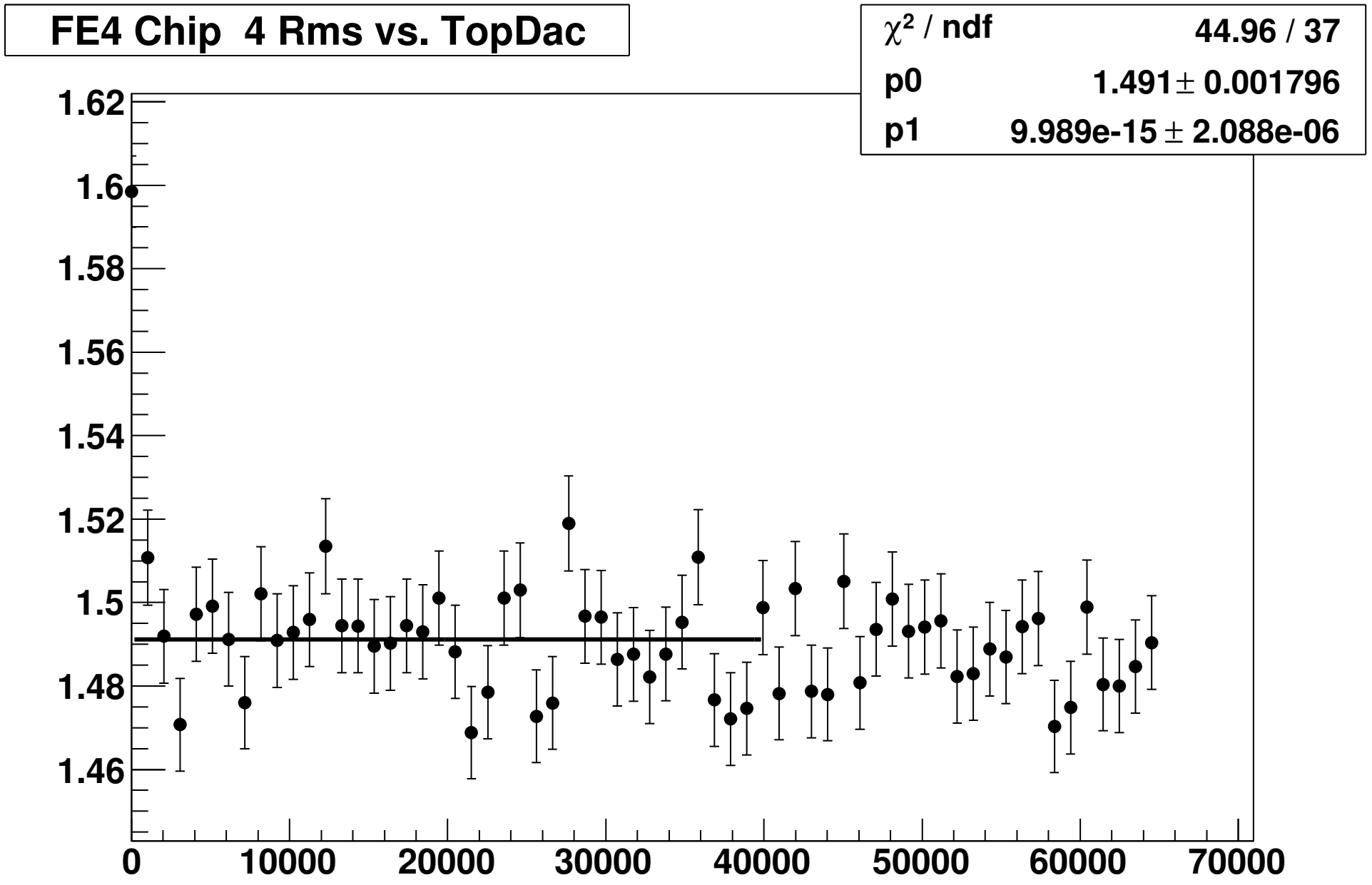
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 44.96 / 37
p0 1.491 ± 0.001796
p1 9.989e-15 ± 2.088e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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30000
40000
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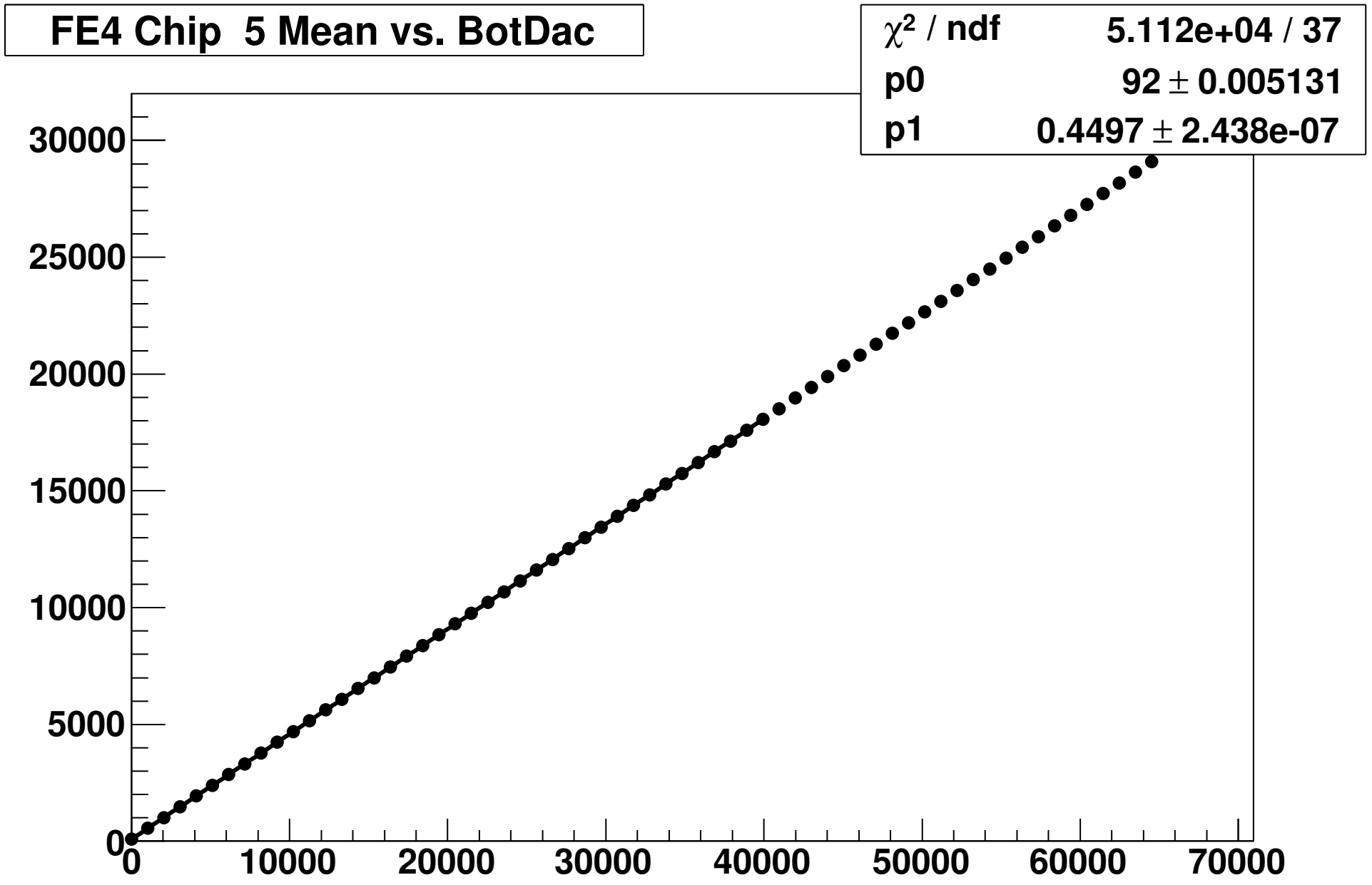
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 5.112e+04 / 37
p0 92 ± 0.005131
p1 0.4497 ± 2.438e-07
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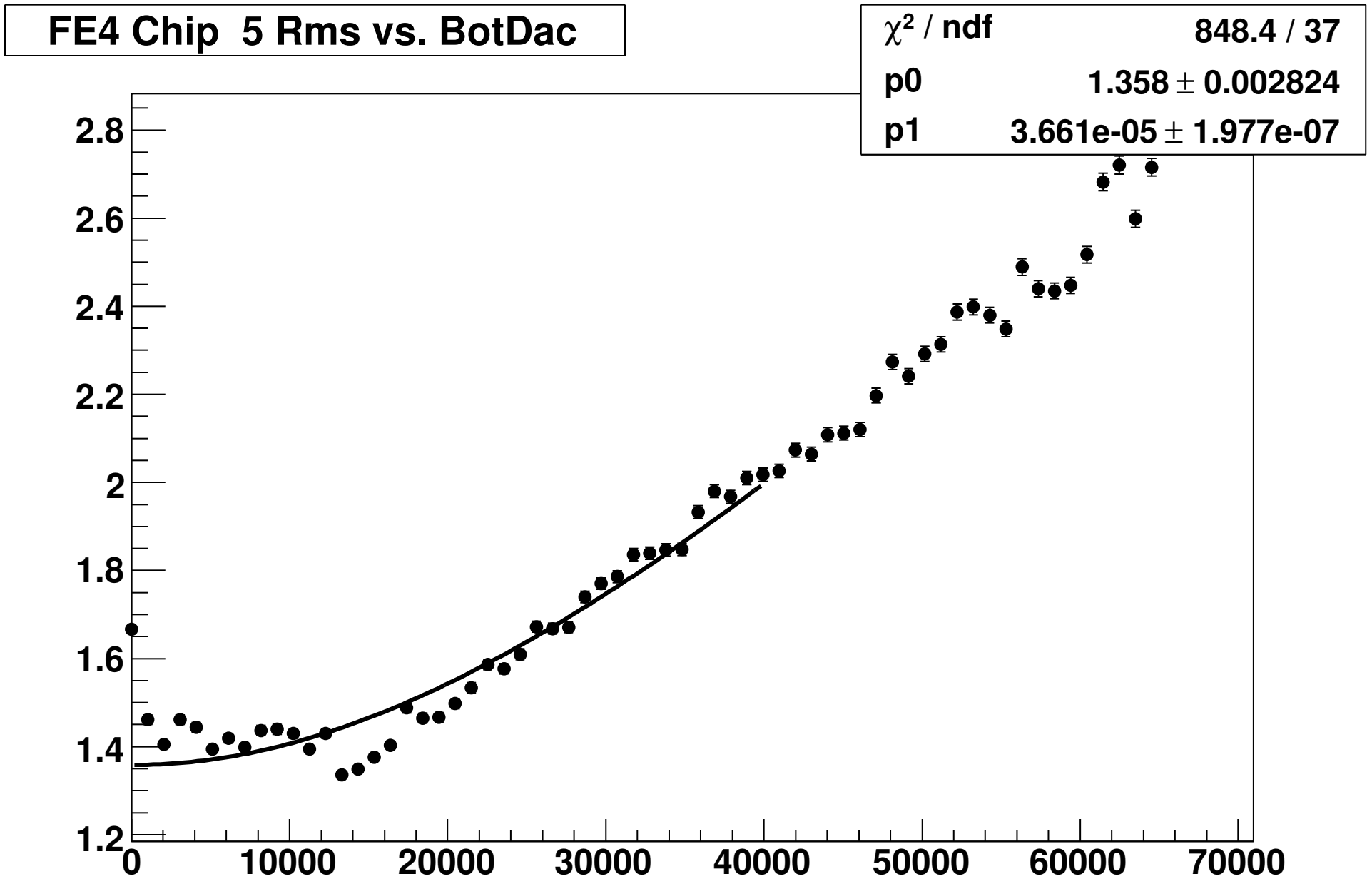
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 848.4 / 37
p0 1.358 ± 0.002824
p1 3.661e-05 ± 1.977e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
1.2
0
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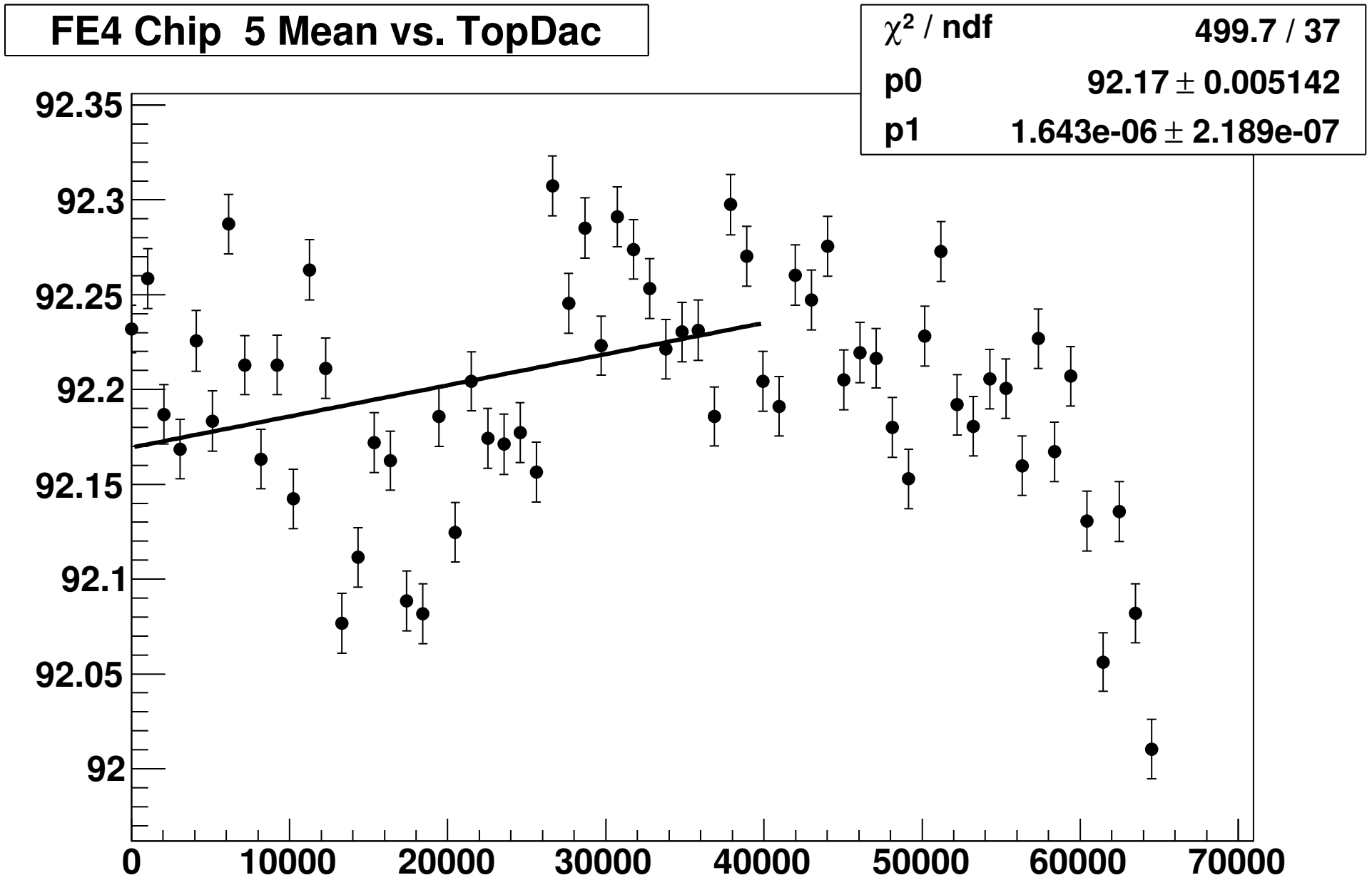
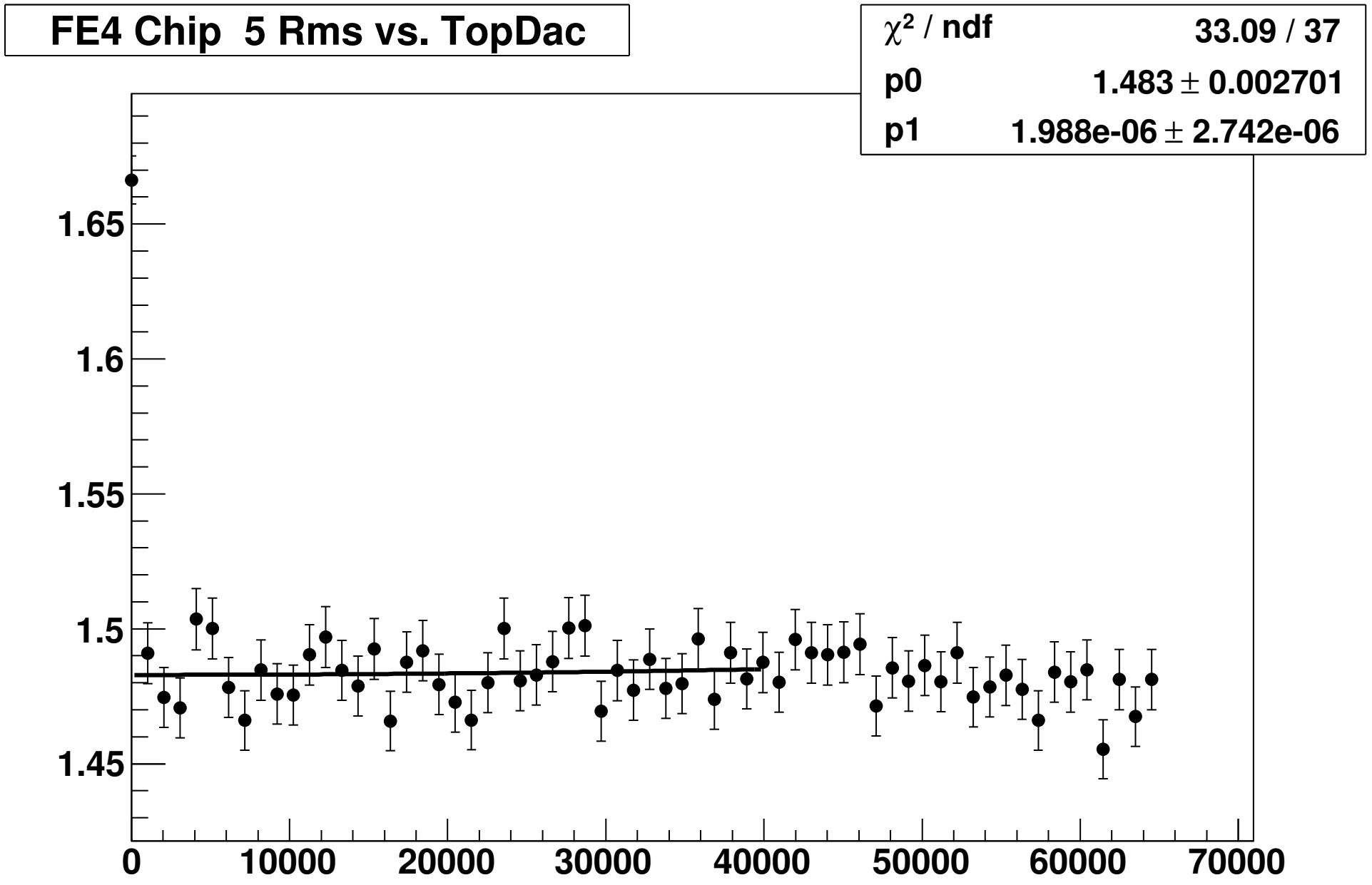
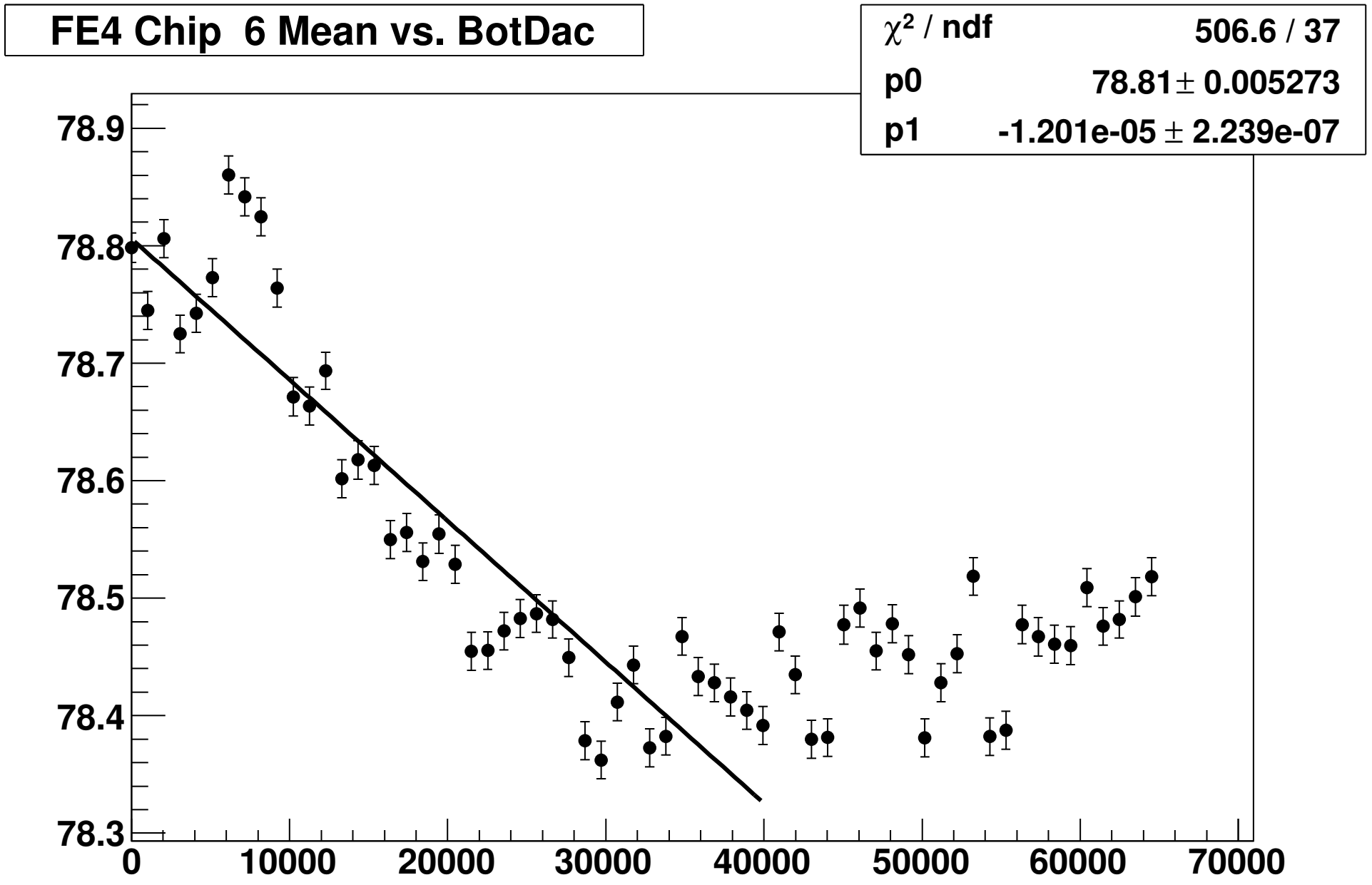
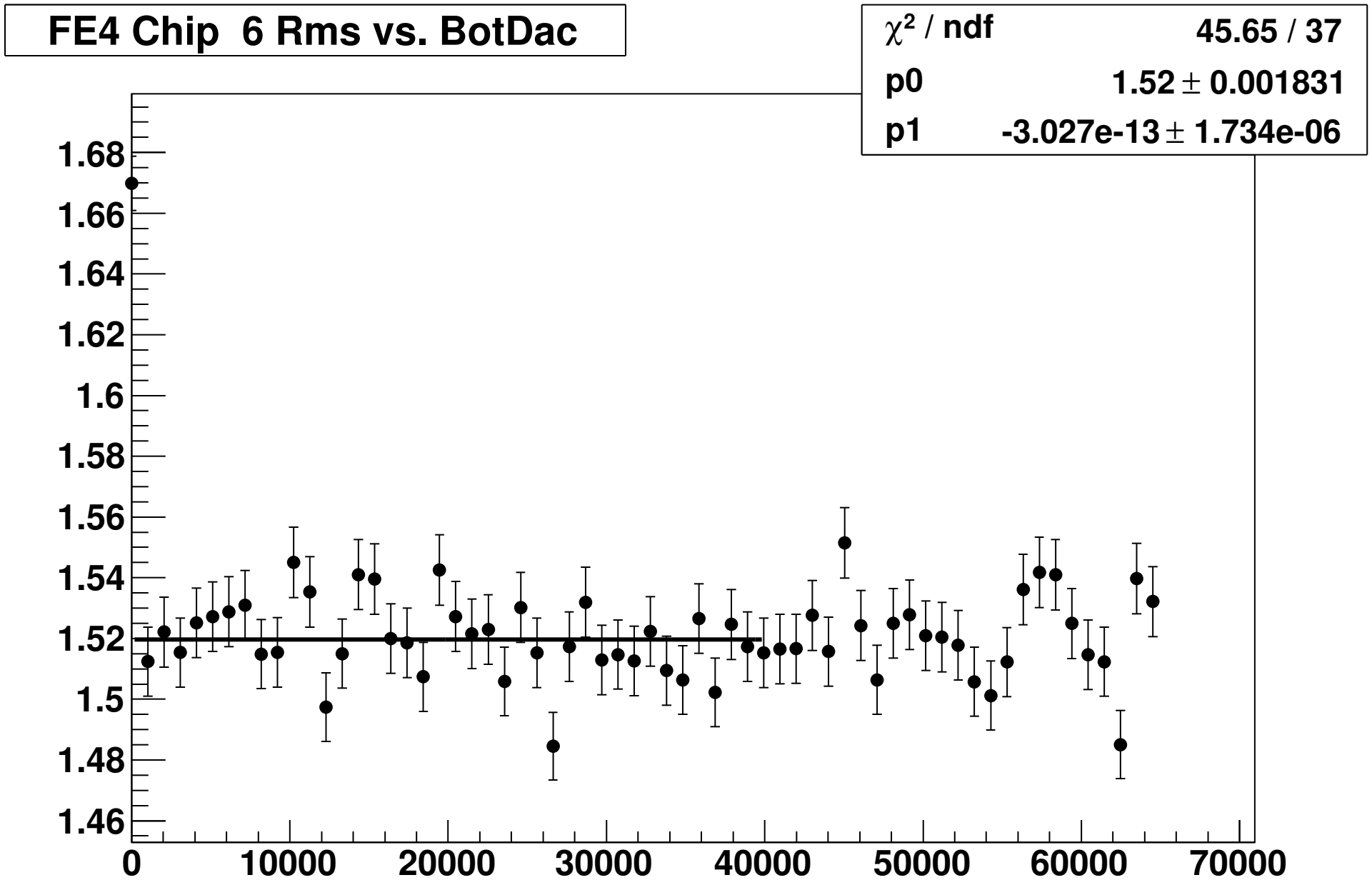

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 499.7 / 37
p0 92.17 ± 0.005142
p1 1.643e-06 ± 2.189e-07
92.35
92.3
92.25
92.2
92.15
92.1
92.05
92
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 33.09 / 37
p0 1.483 ± 0.002701
p1 1.988e-06 ± 2.742e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 506.6 / 37
p0 78.81 ± 0.005273
p1 -1.201e-05 ± 2.239e-07
78.9
78.8
78.7
78.6
78.5
78.4
78.3
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 45.65 / 37
p0 1.52 ± 0.001831
p1 -3.027e-13 ± 1.734e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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50000
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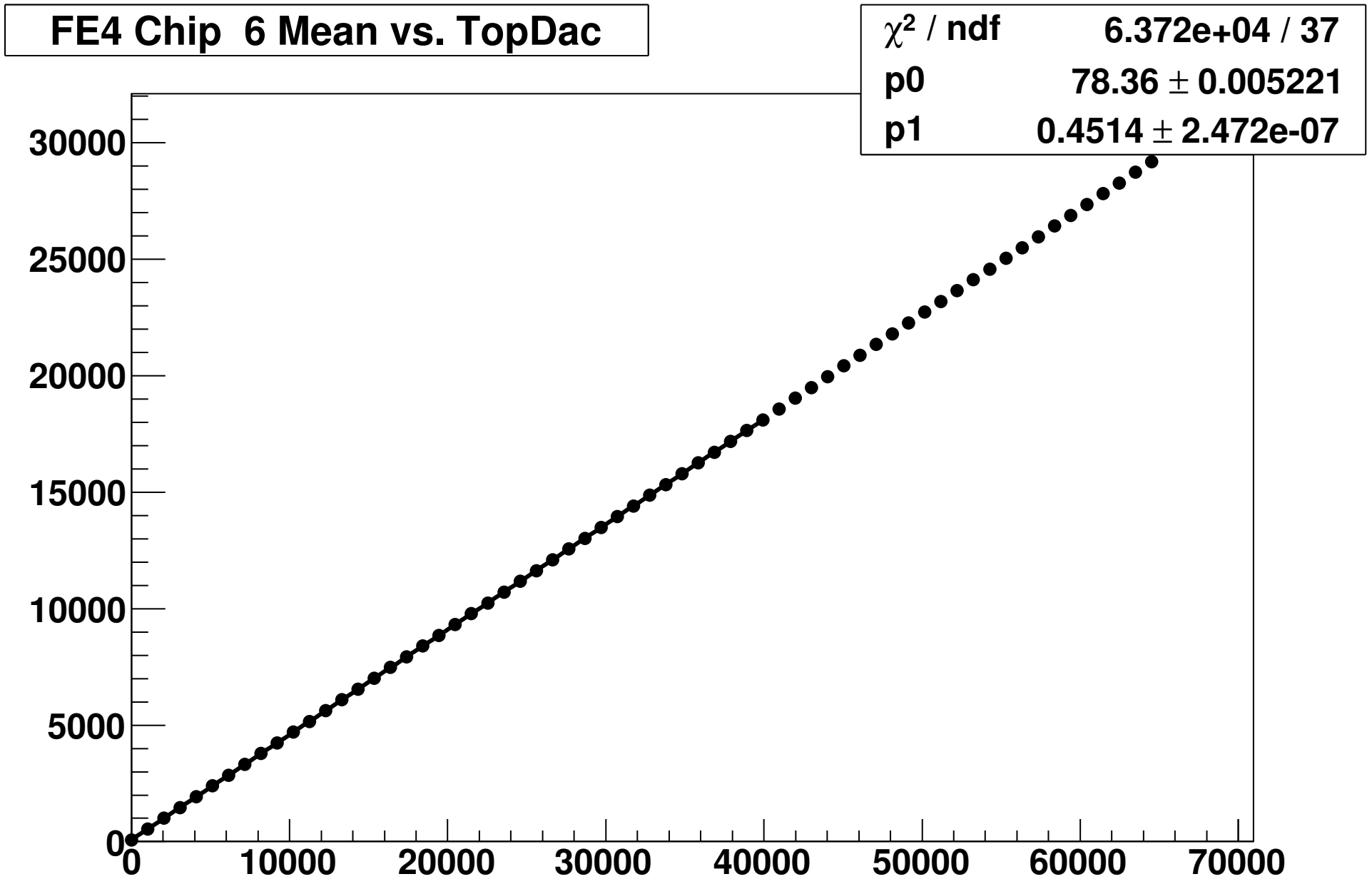
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 6.372e+04 / 37
p0 78.36 ± 0.005221
p1 0.4514 ± 2.472e-07
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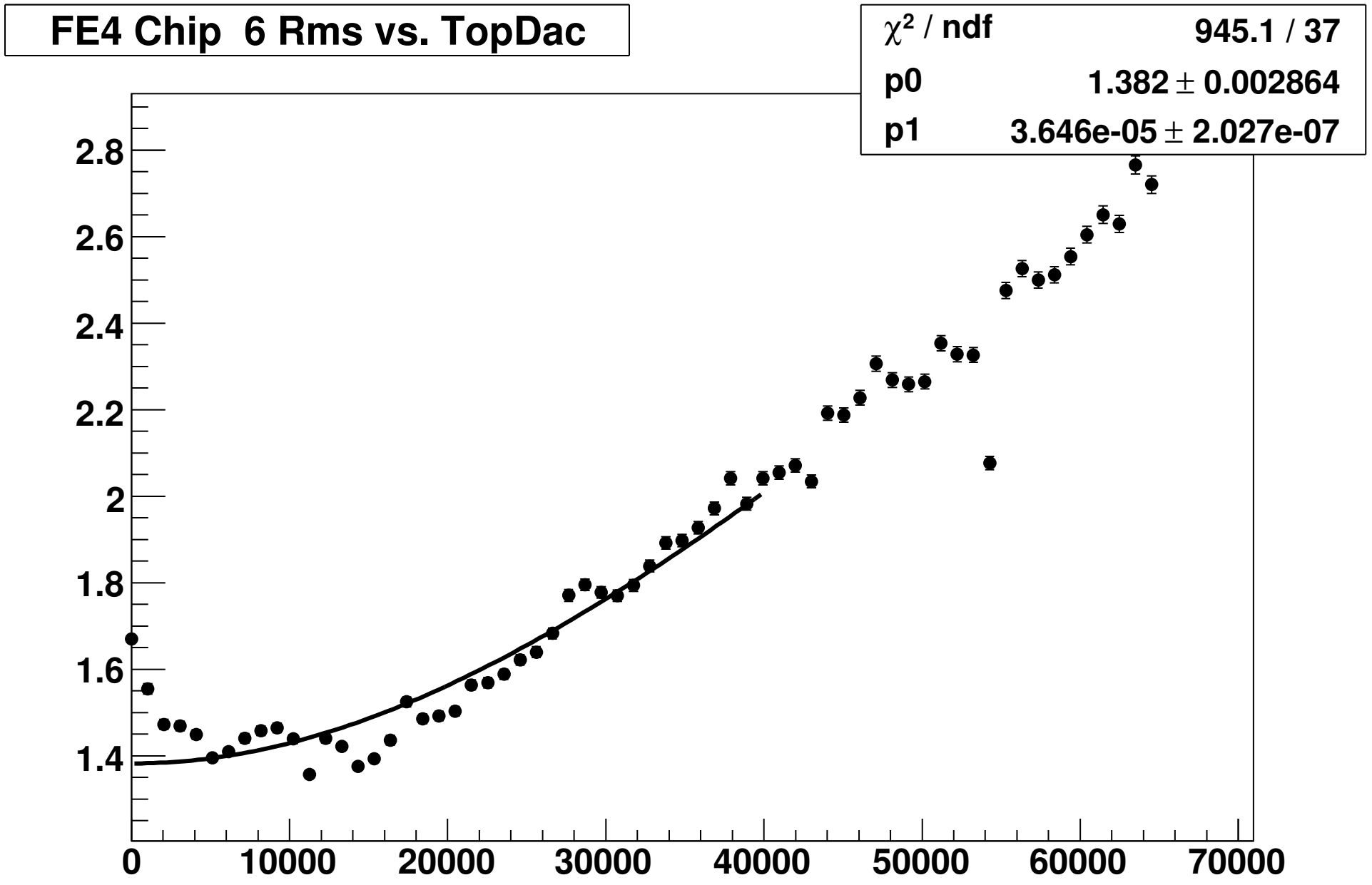
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 945.1 / 37
p0 1.382 ± 0.002864
p1 3.646e-05 ± 2.027e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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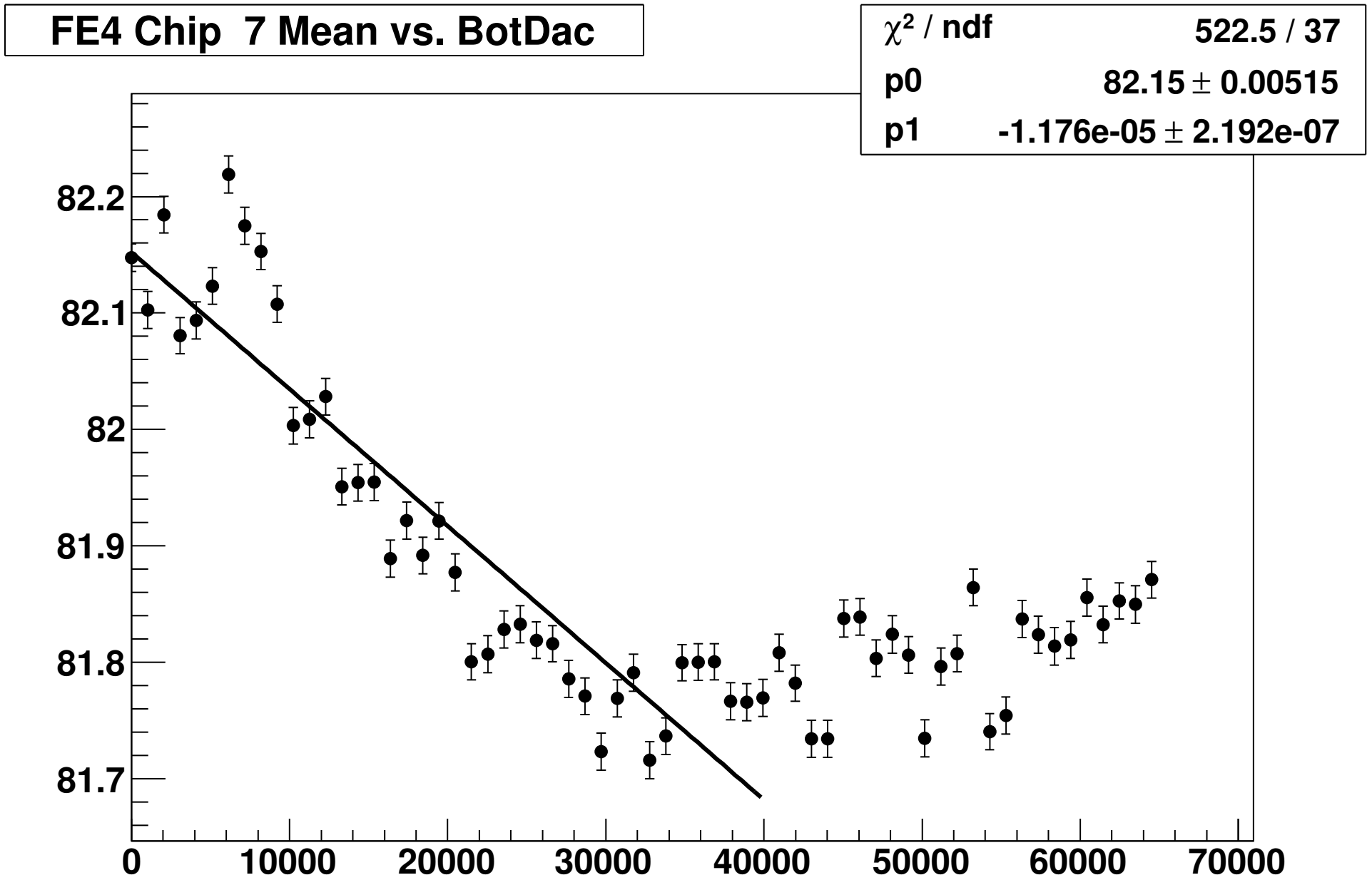
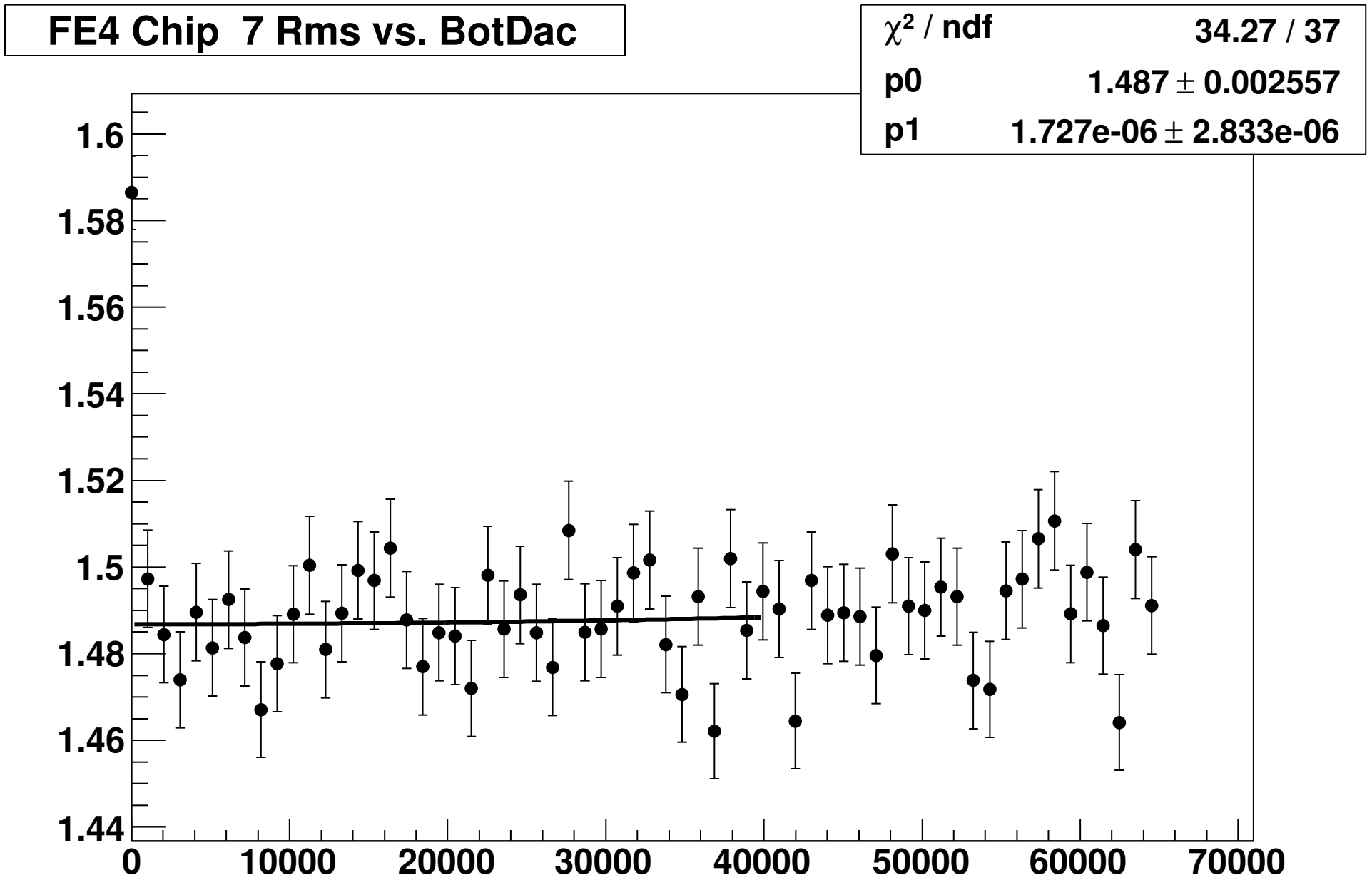
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 522.5 / 37
p0 82.15 ± 0.00515
p1 -1.176e-05 ± 2.192e-07
82.2
82.1
82
81.9
81.8
81.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 34.27 / 37
p0 1.487 ± 0.002557
p1 1.727e-06 ± 2.833e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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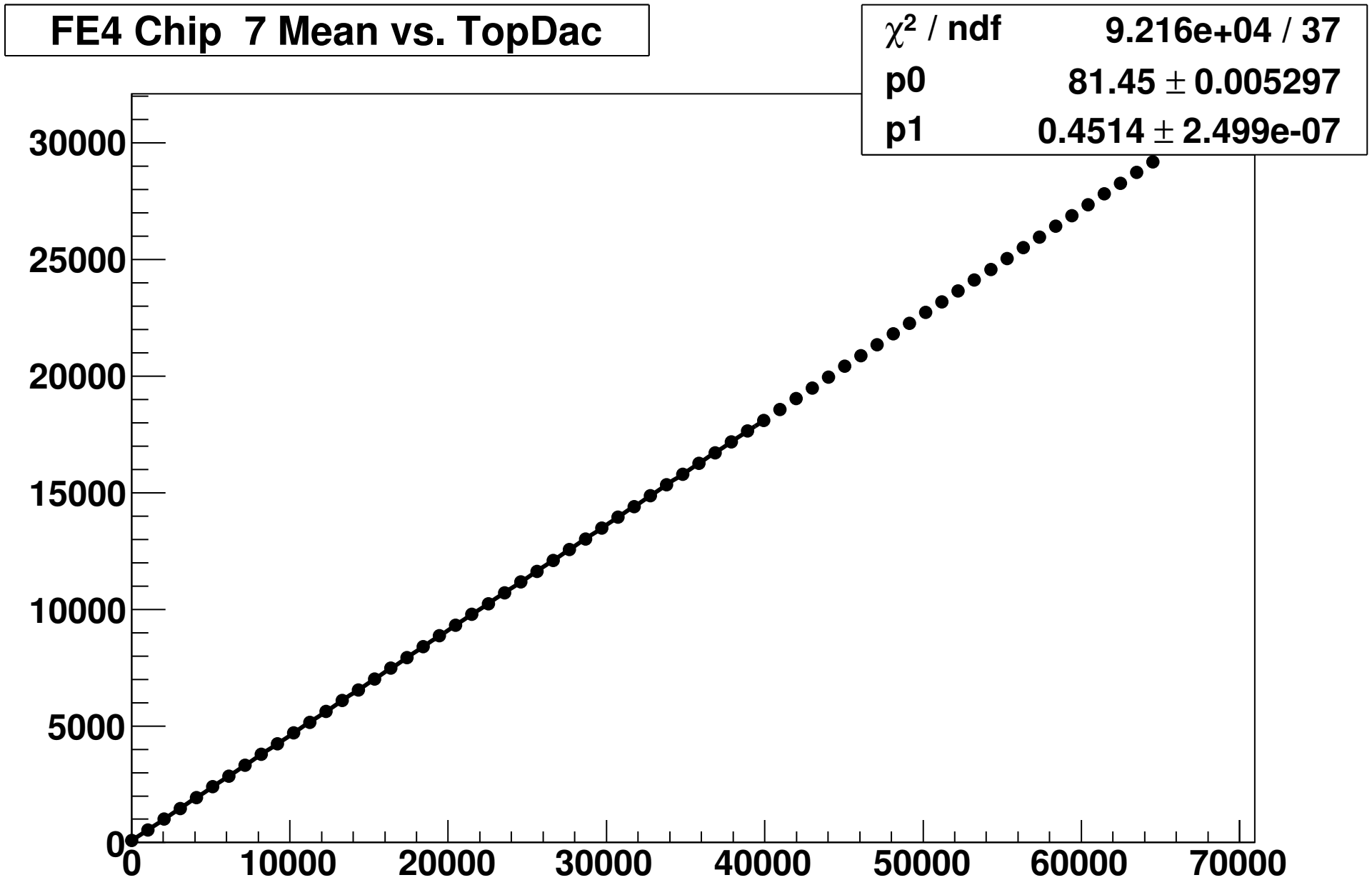
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 9.216e+04 / 37
p0 81.45 ± 0.005297
p1 0.4514 ± 2.499e-07
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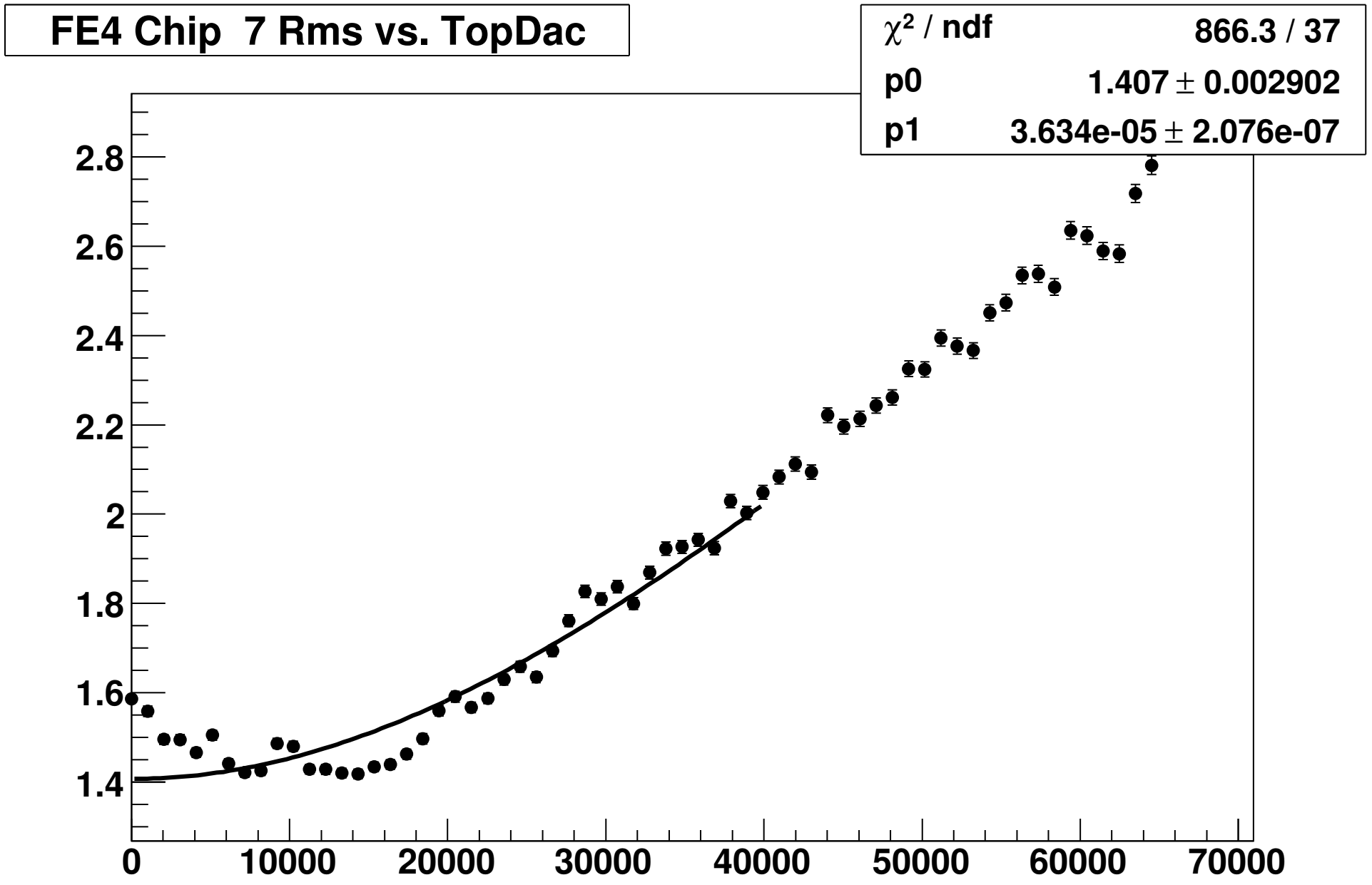
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 866.3 / 37
p0 1.407 ± 0.002902
p1 3.634e-05 ± 2.076e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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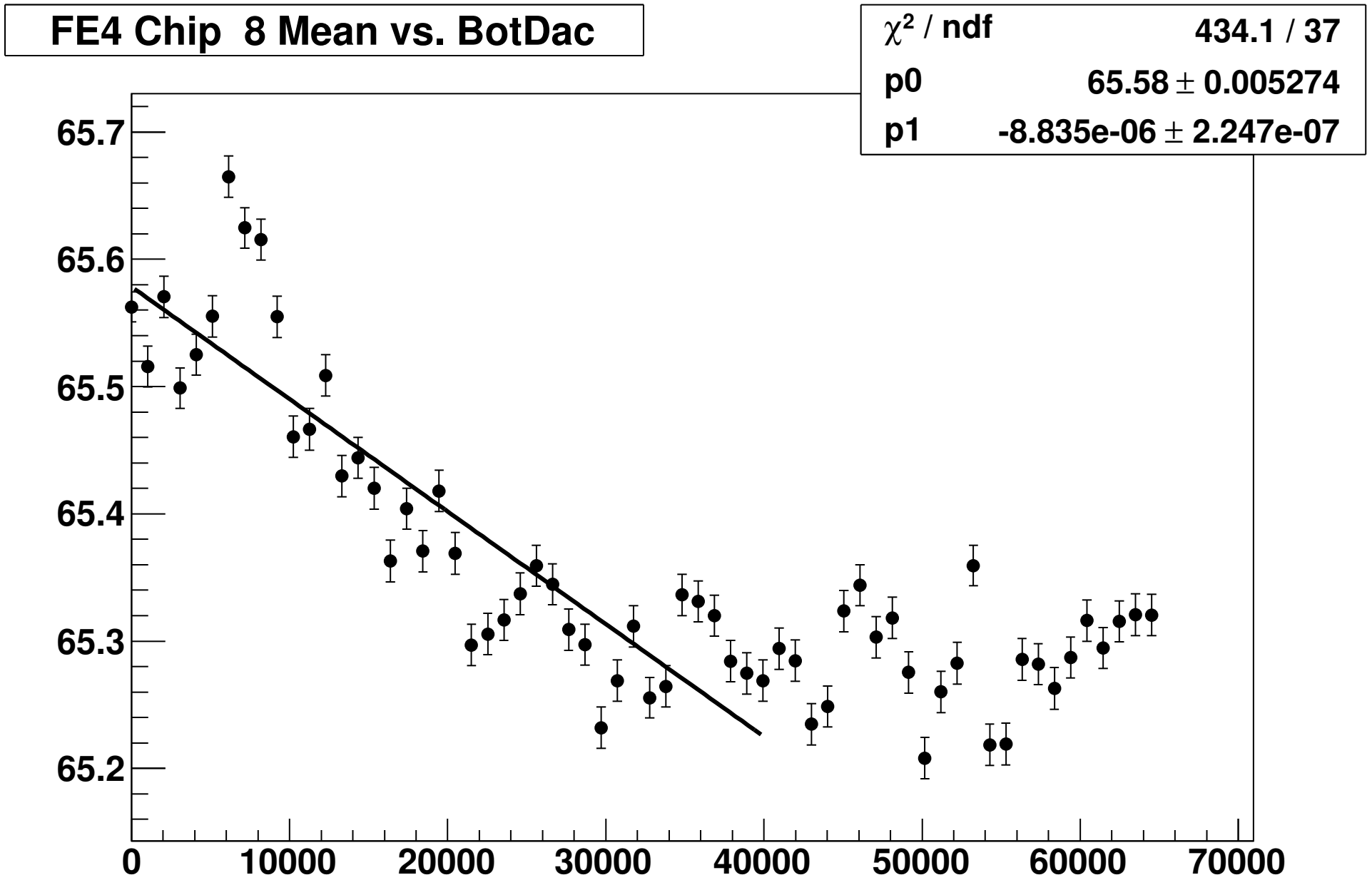
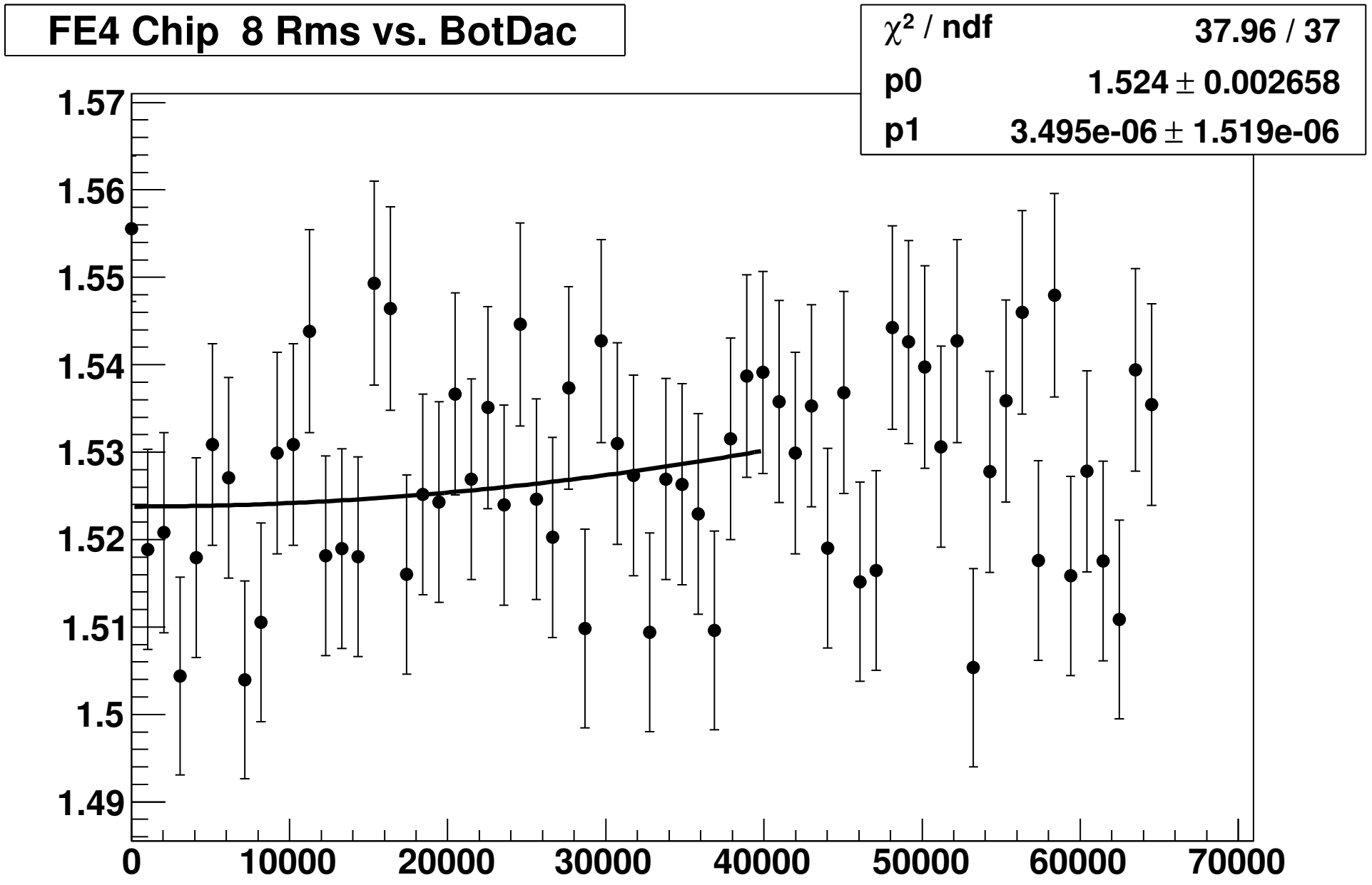
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 434.1 / 37
p0 65.58 ± 0.005274
p1 -8.835e-06 ± 2.247e-07
65.7
65.6
65.5
65.4
65.3
65.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 37.96 / 37
p0 1.524 ± 0.002658
p1 3.495e-06 ± 1.519e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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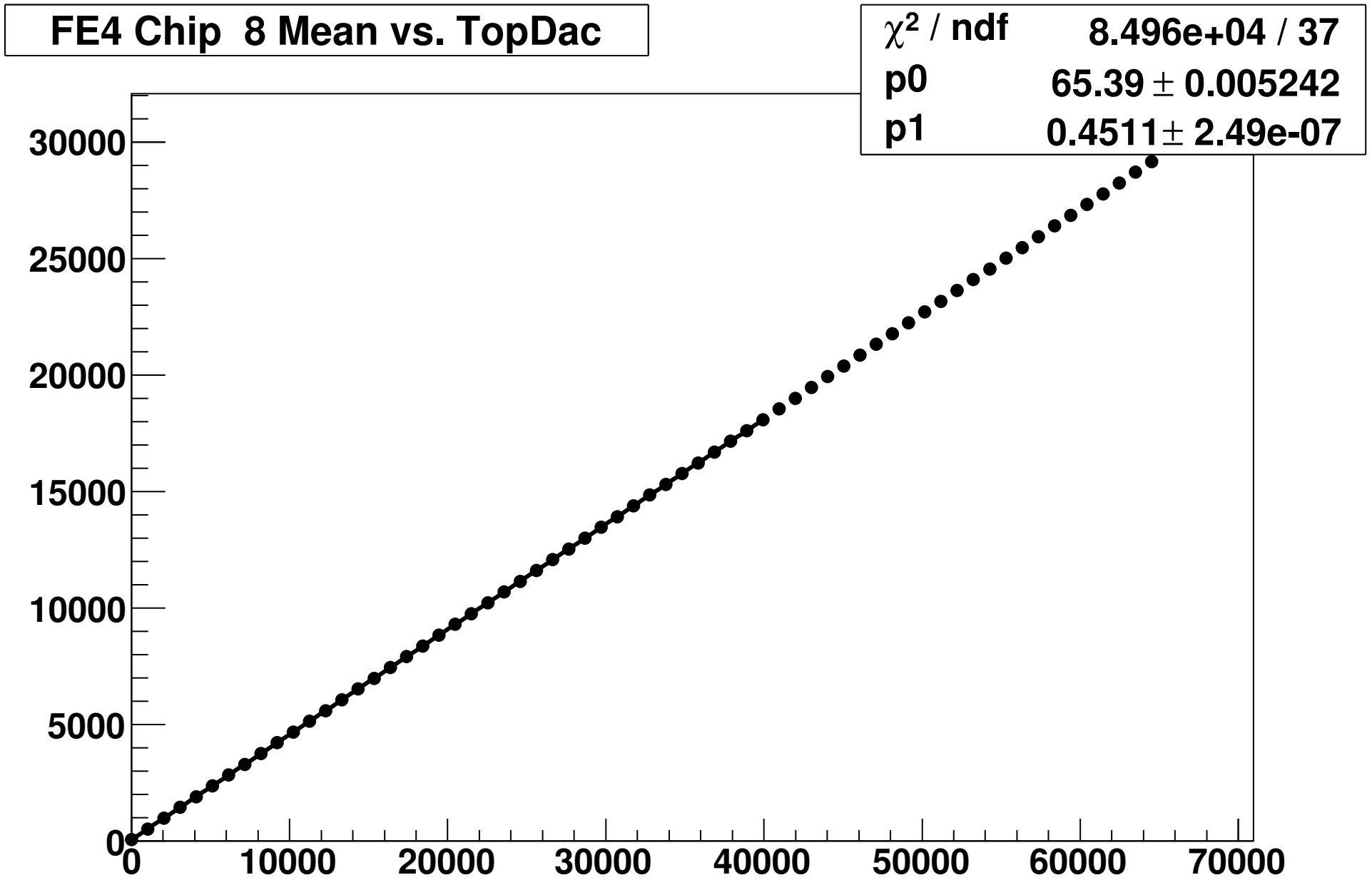
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 8.496e+04 / 37
p0 65.39 ± 0.005242
p1 0.4511 ± 2.49e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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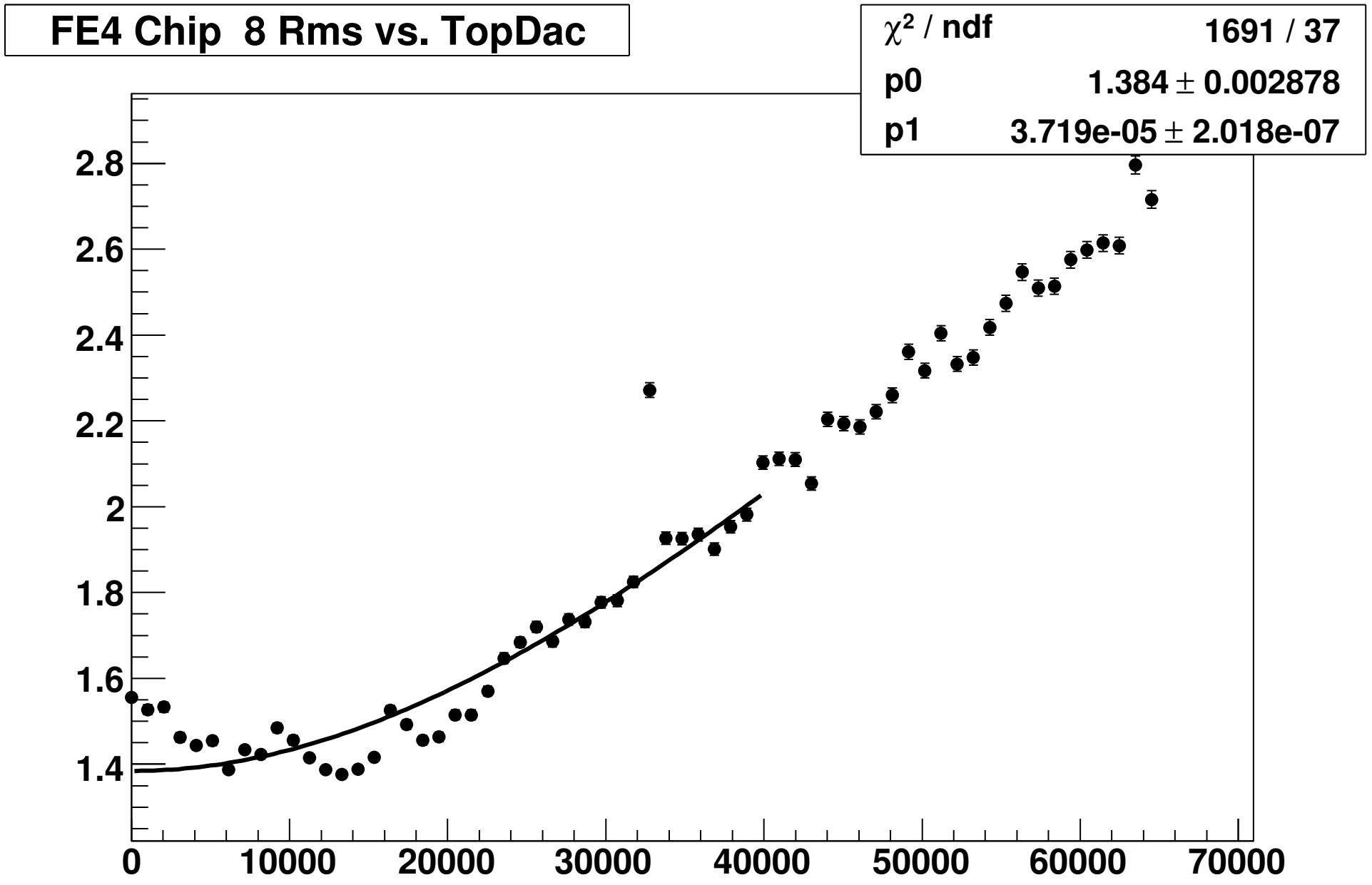
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 1691 / 37
p0 1.384 ± 0.002878
p1 3.719e-05 ± 2.018e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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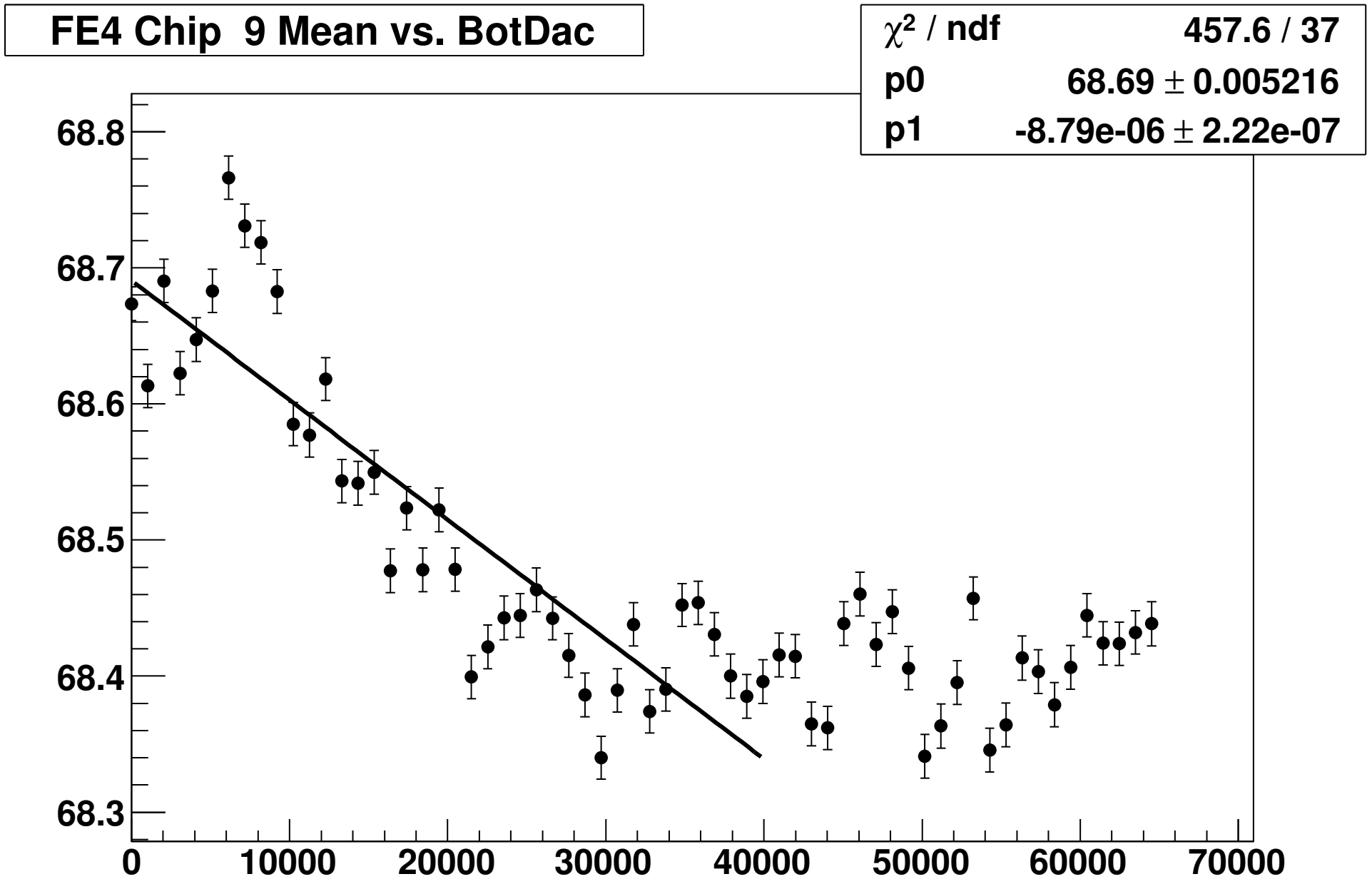
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 457.6 / 37
p0 68.69 ± 0.005216
p1 -8.79e-06 ± 2.22e-07
68.8
68.7
68.6
68.5
68.4
68.3
0
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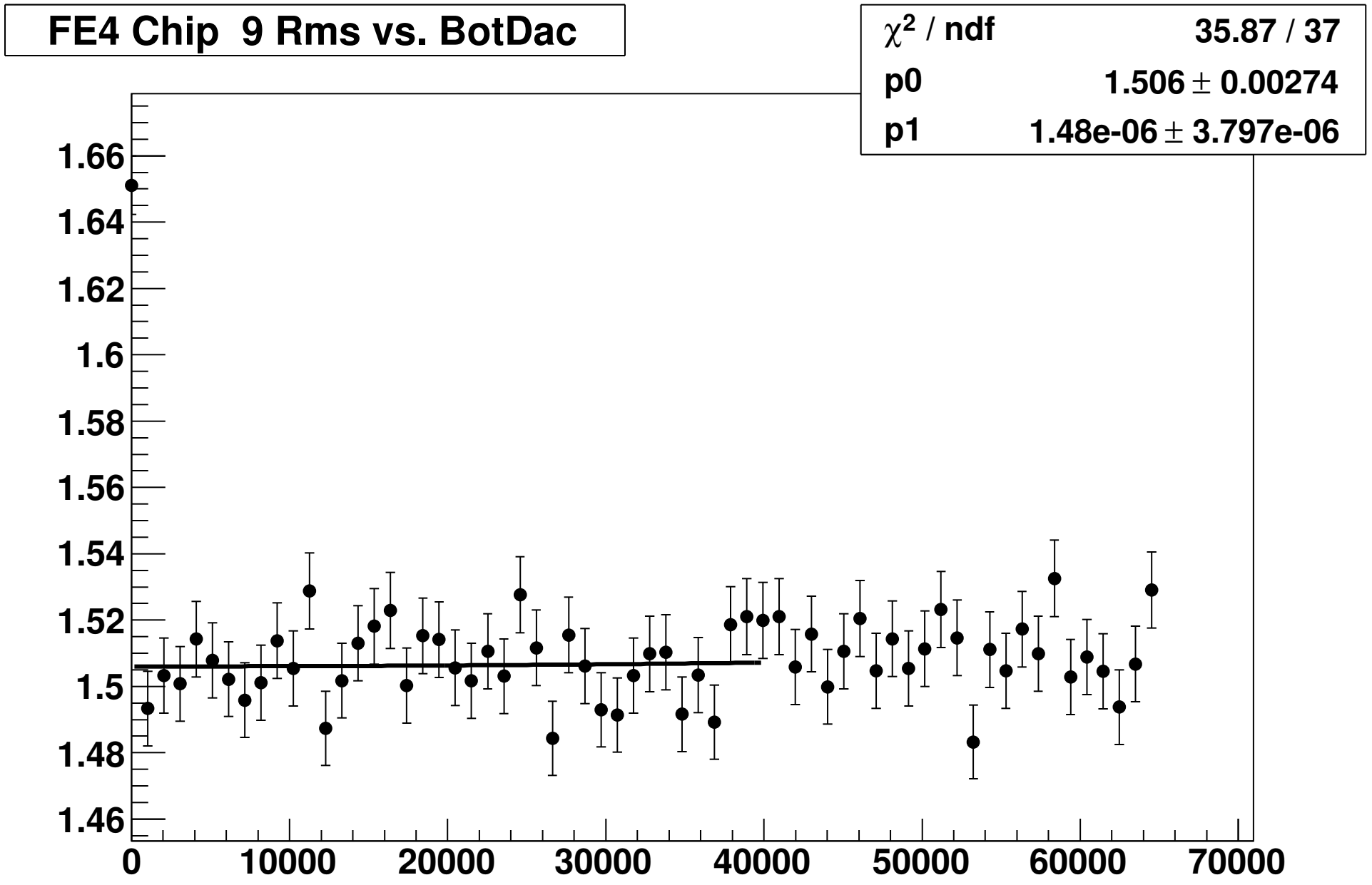
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 35.87 / 37
p0 1.506 ± 0.00274
p1 1.48e-06 ± 3.797e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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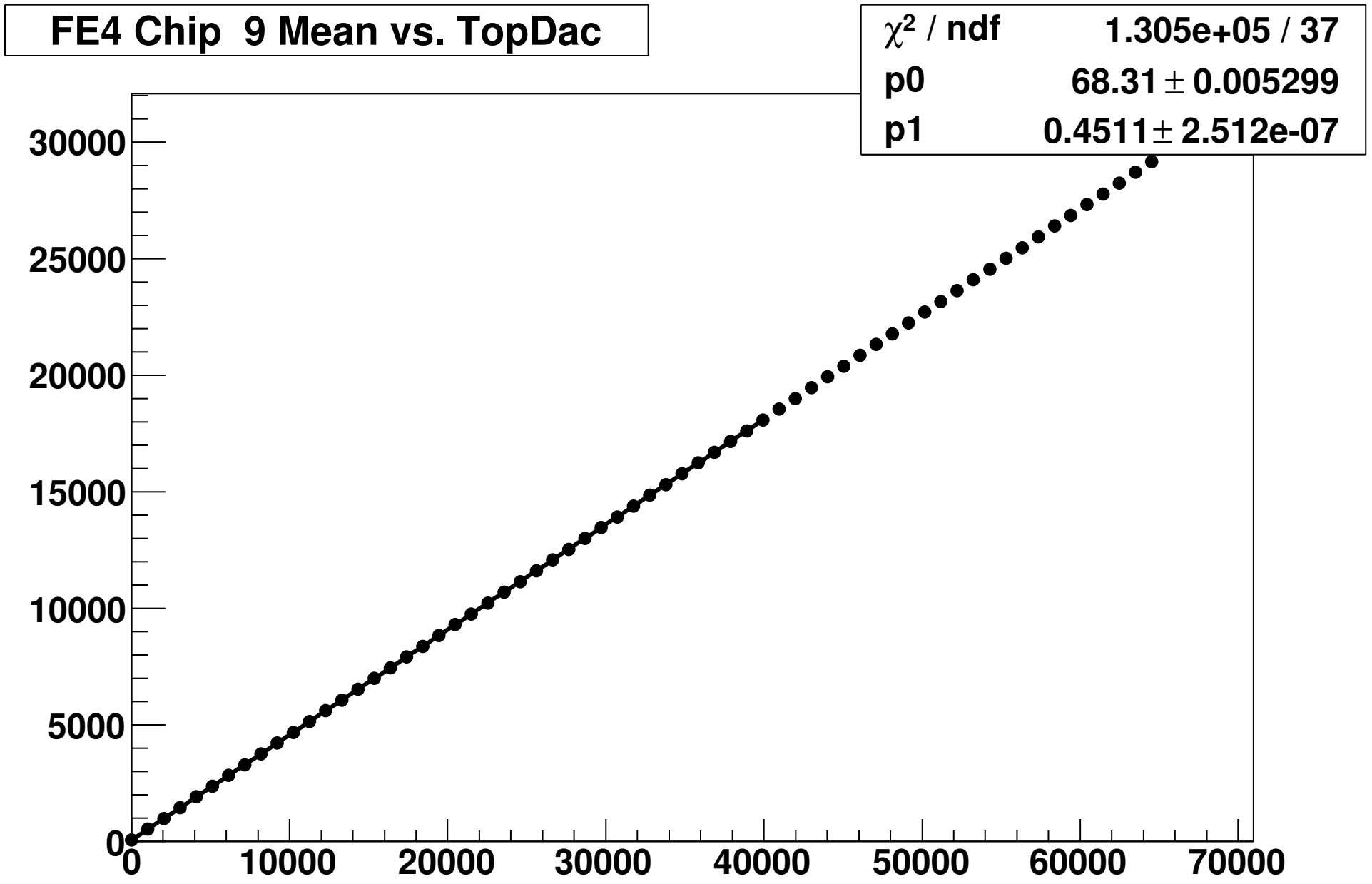
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 1.305e+05 / 37
p0 68.31 ± 0.005299
p1 0.4511 ± 2.512e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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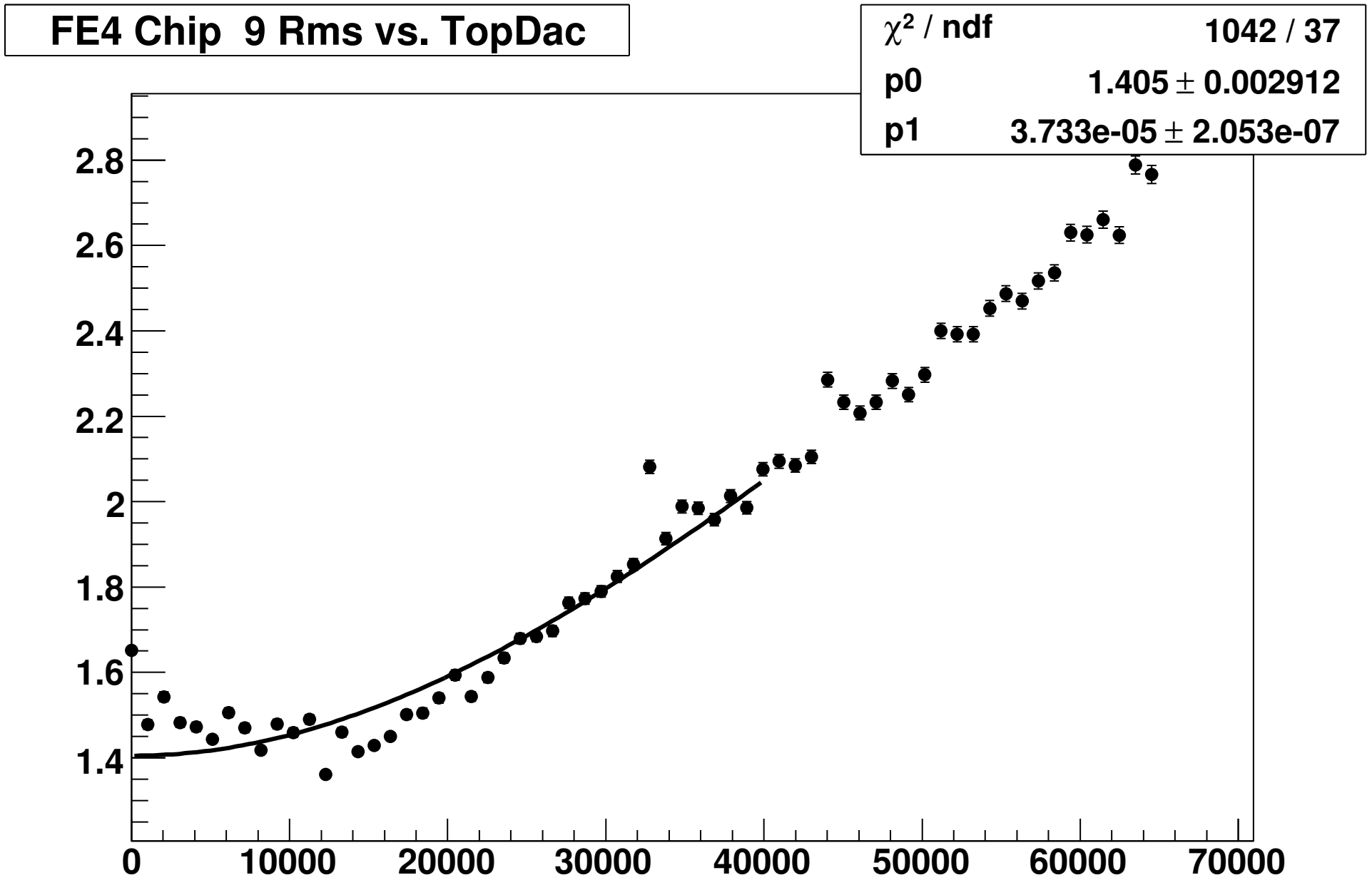
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1042 / 37
p0 1.405 ± 0.002912
p1 3.733e-05 ± 2.053e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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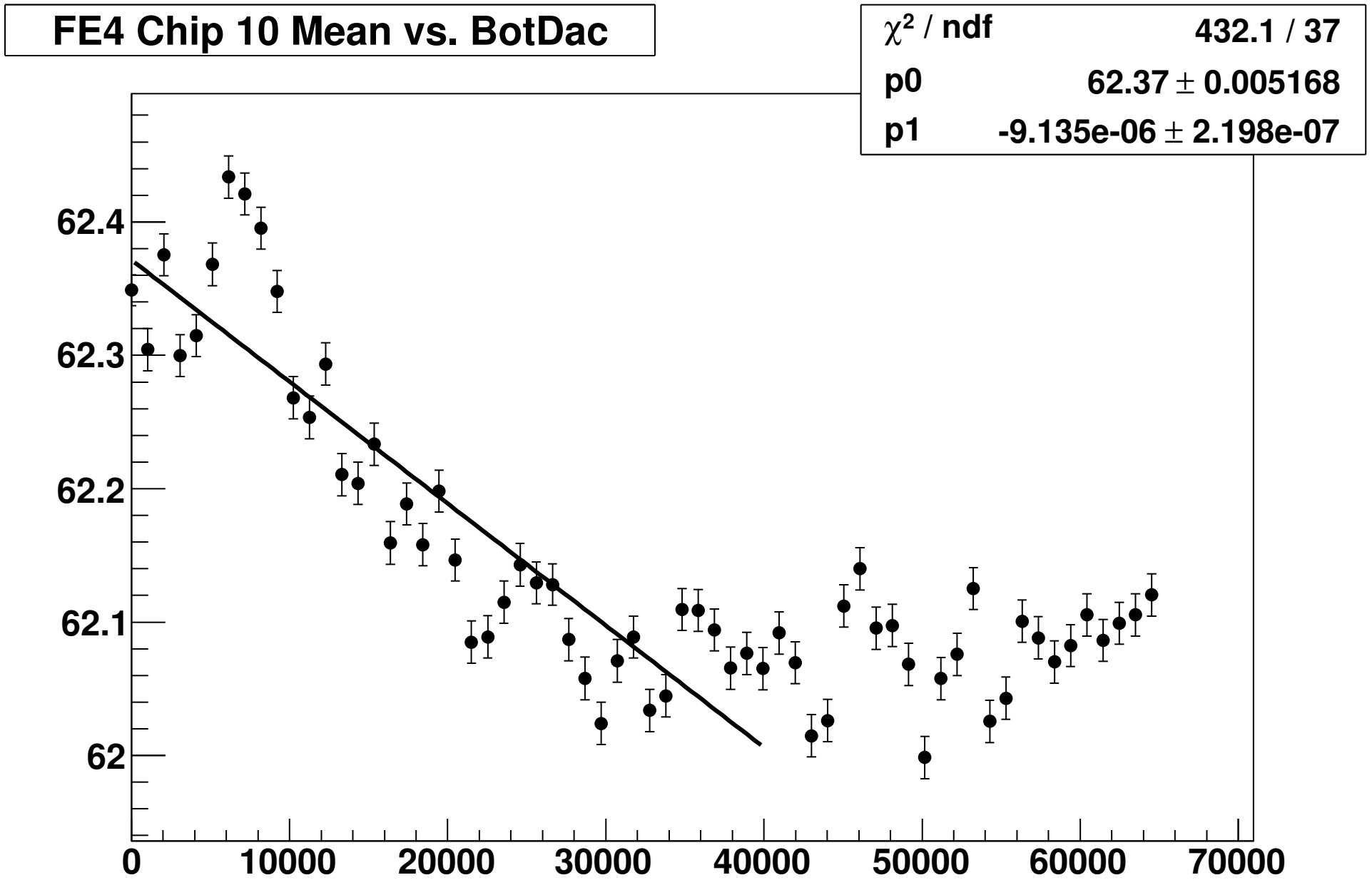
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 432.1 / 37
p0 62.37 ± 0.005168
p1 -9.135e-06 ± 2.198e-07
62.4
62.3
62.2
62.1
62
0
10000
20000
30000
40000
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60000
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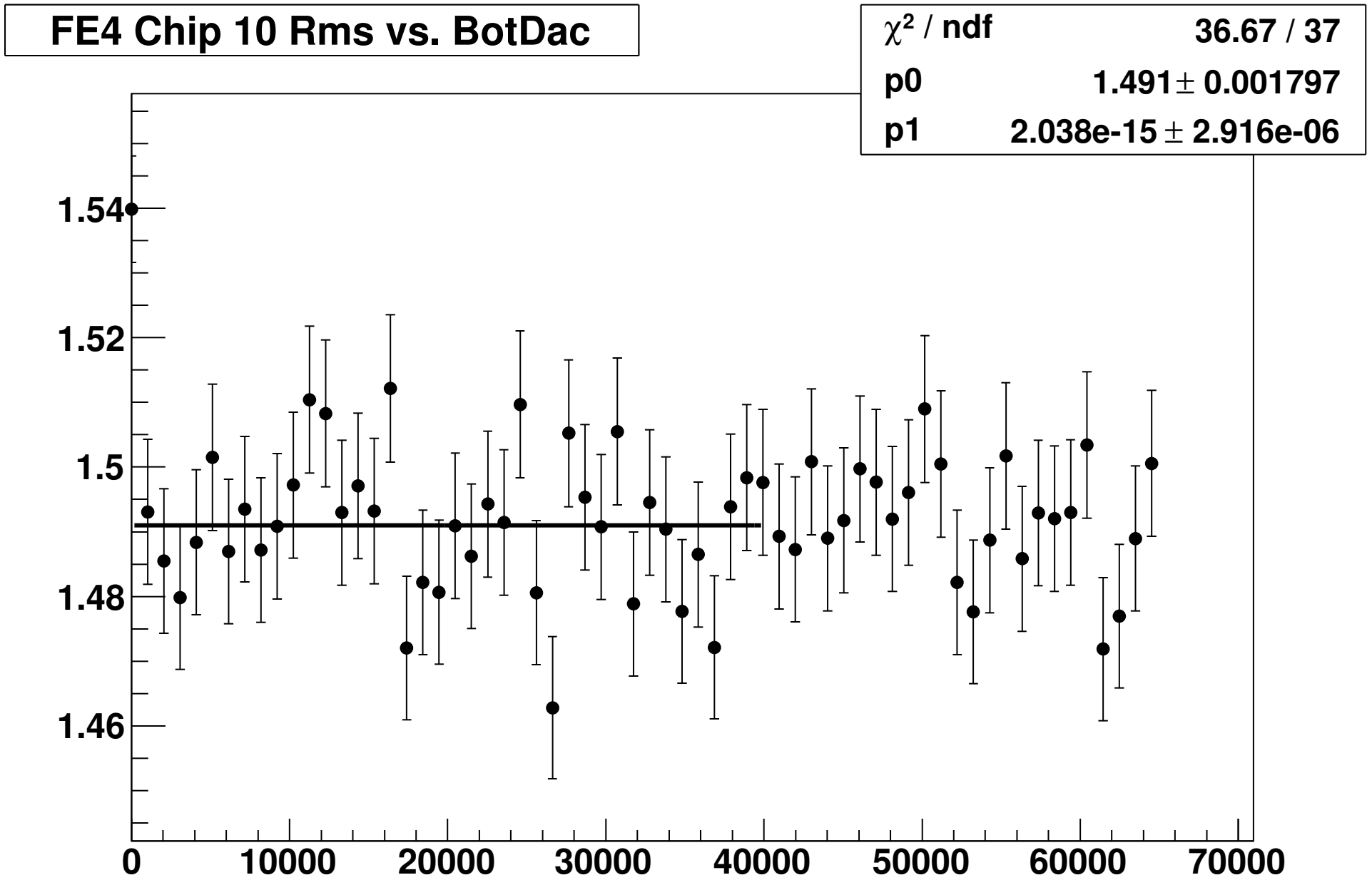
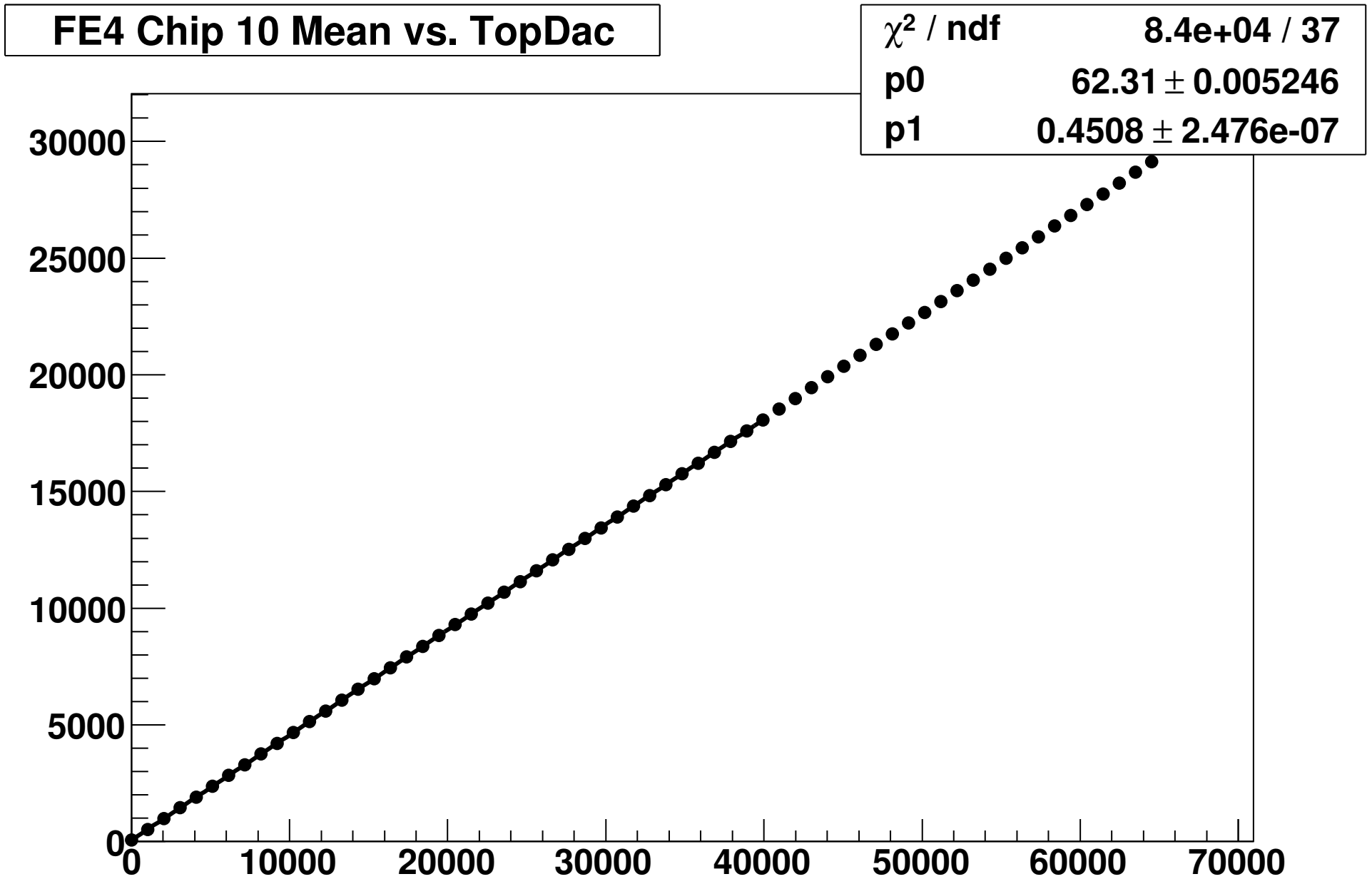

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 36.67 / 37
p0 1.491 ± 0.001797
p1 2.038e-15 ± 2.916e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 8.4e+04 / 37
p0 62.31 ± 0.005246
p1 0.4508 ± 2.476e-07
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15000
10000
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0
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10000
20000
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40000
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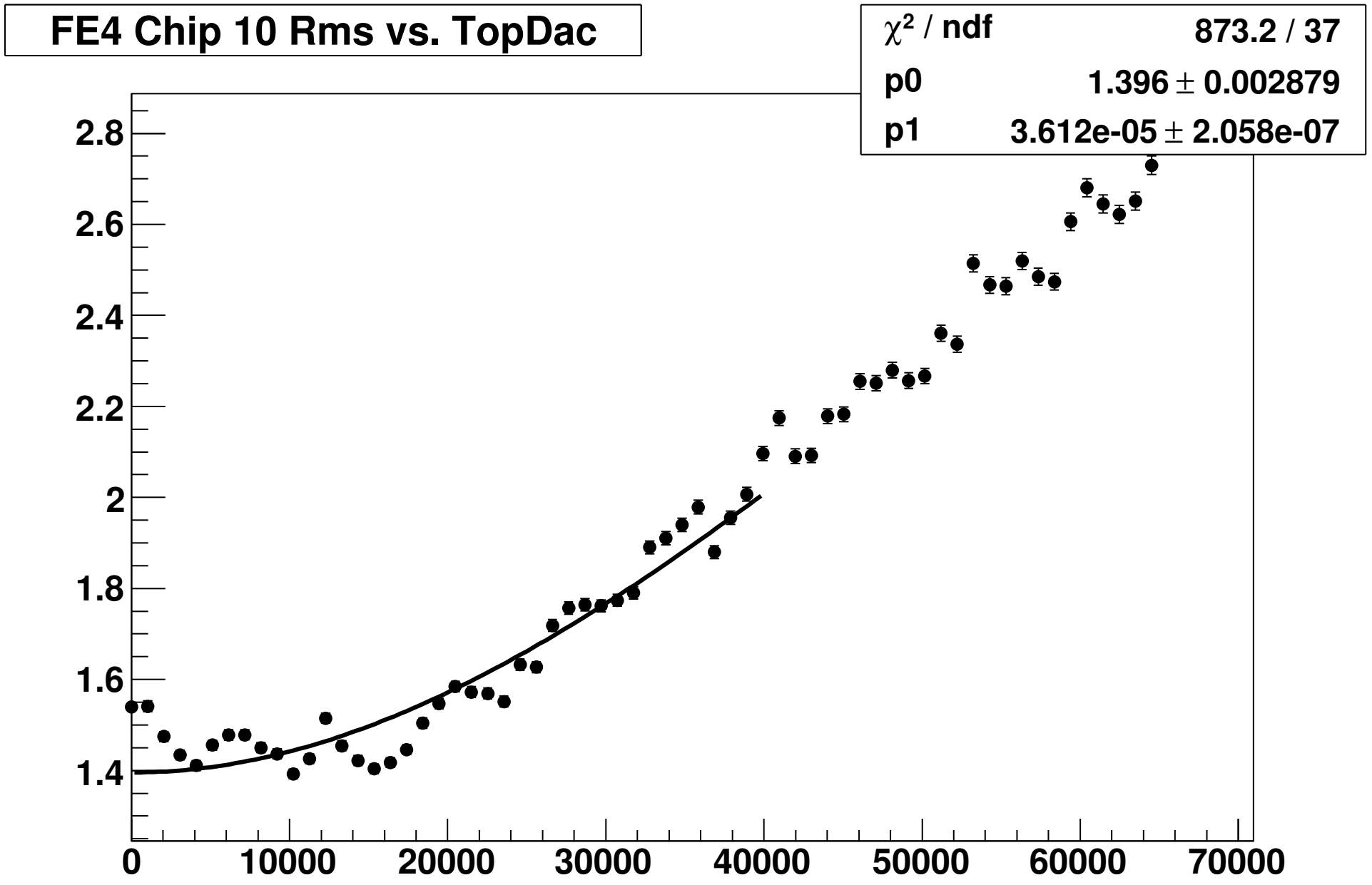
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 873.2 / 37
p0 1.396 ± 0.002879
p1 3.612e-05 ± 2.058e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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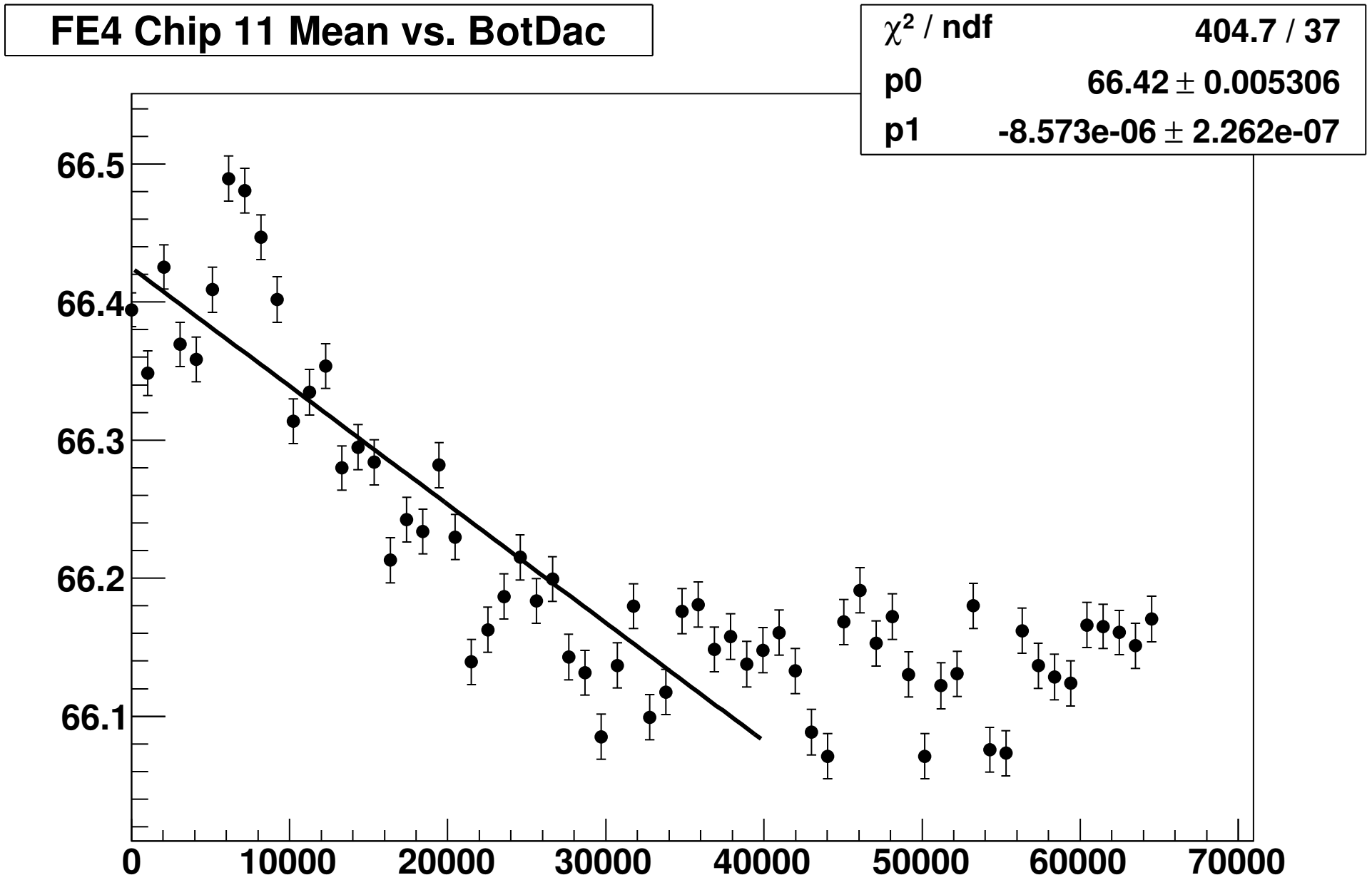
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 404.7 / 37
p0 66.42 ± 0.005306
p1 -8.573e-06 ± 2.262e-07
66.5
66.4
66.3
66.2
66.1
0
10000
20000
30000
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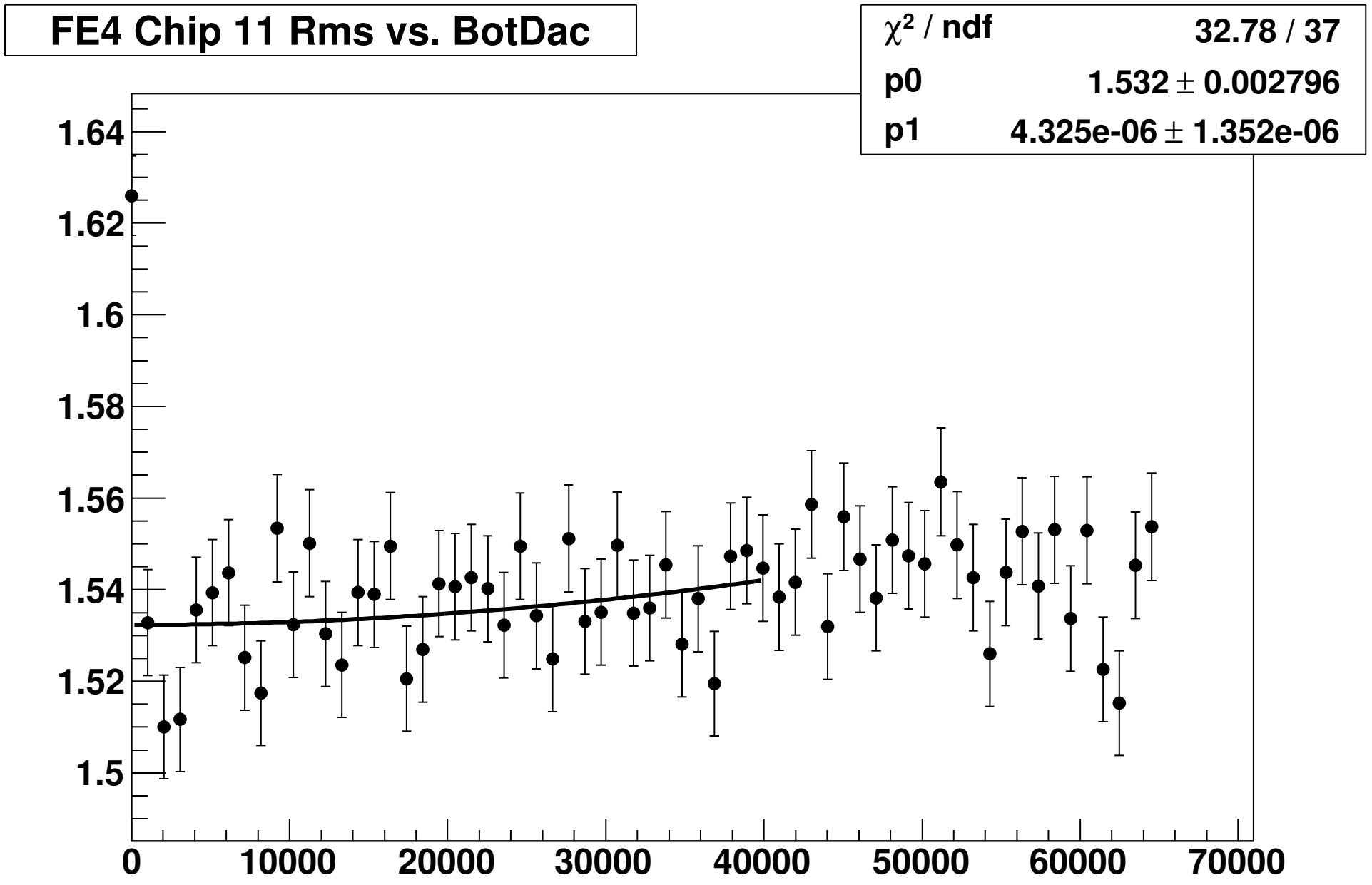
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 32.78 / 37
p0 1.532 ± 0.002796
p1 4.325e-06 ± 1.352e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
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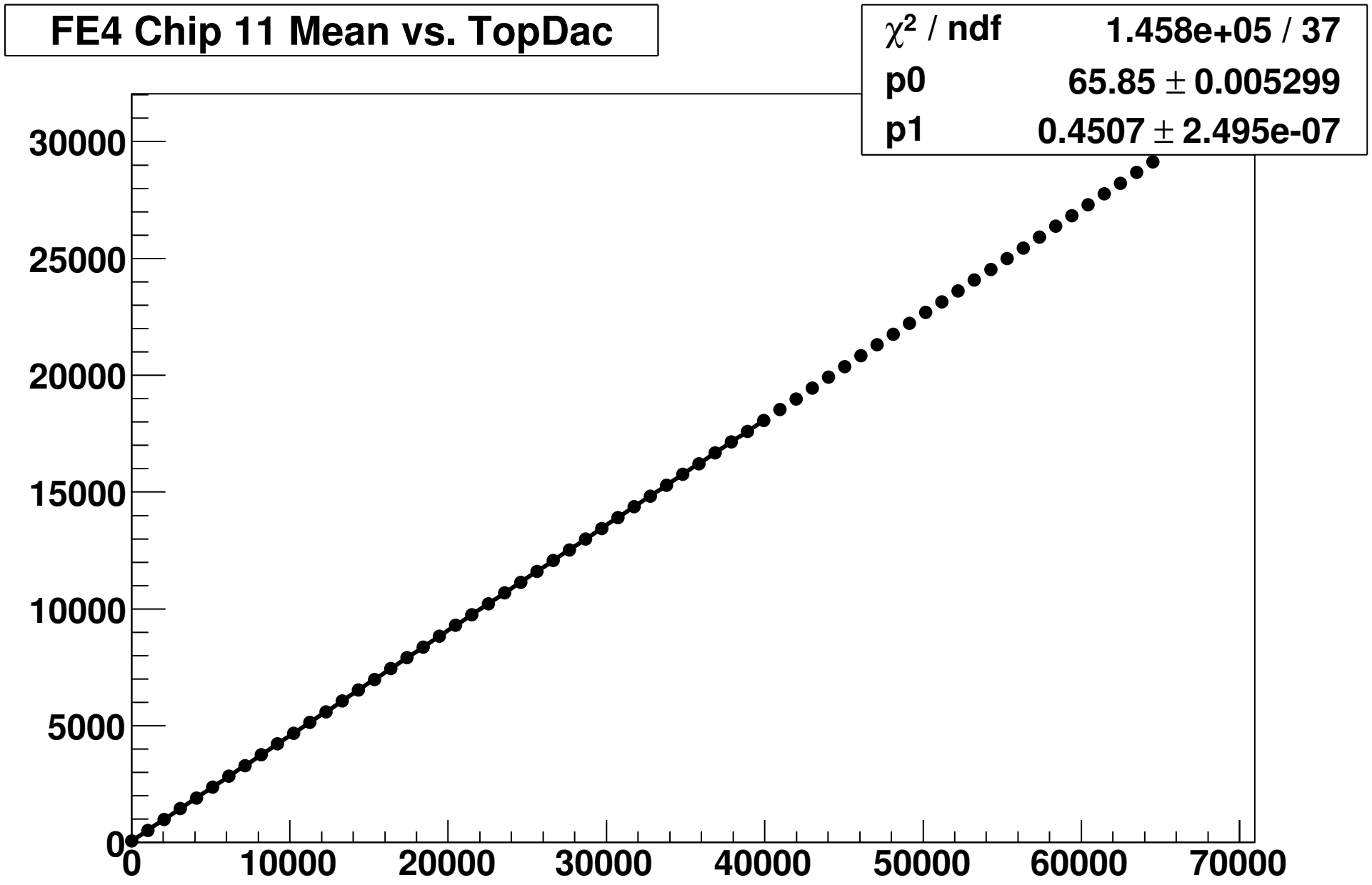
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.458e+05 / 37
p0 65.85 ± 0.005299
p1 0.4507 ± 2.495e-07
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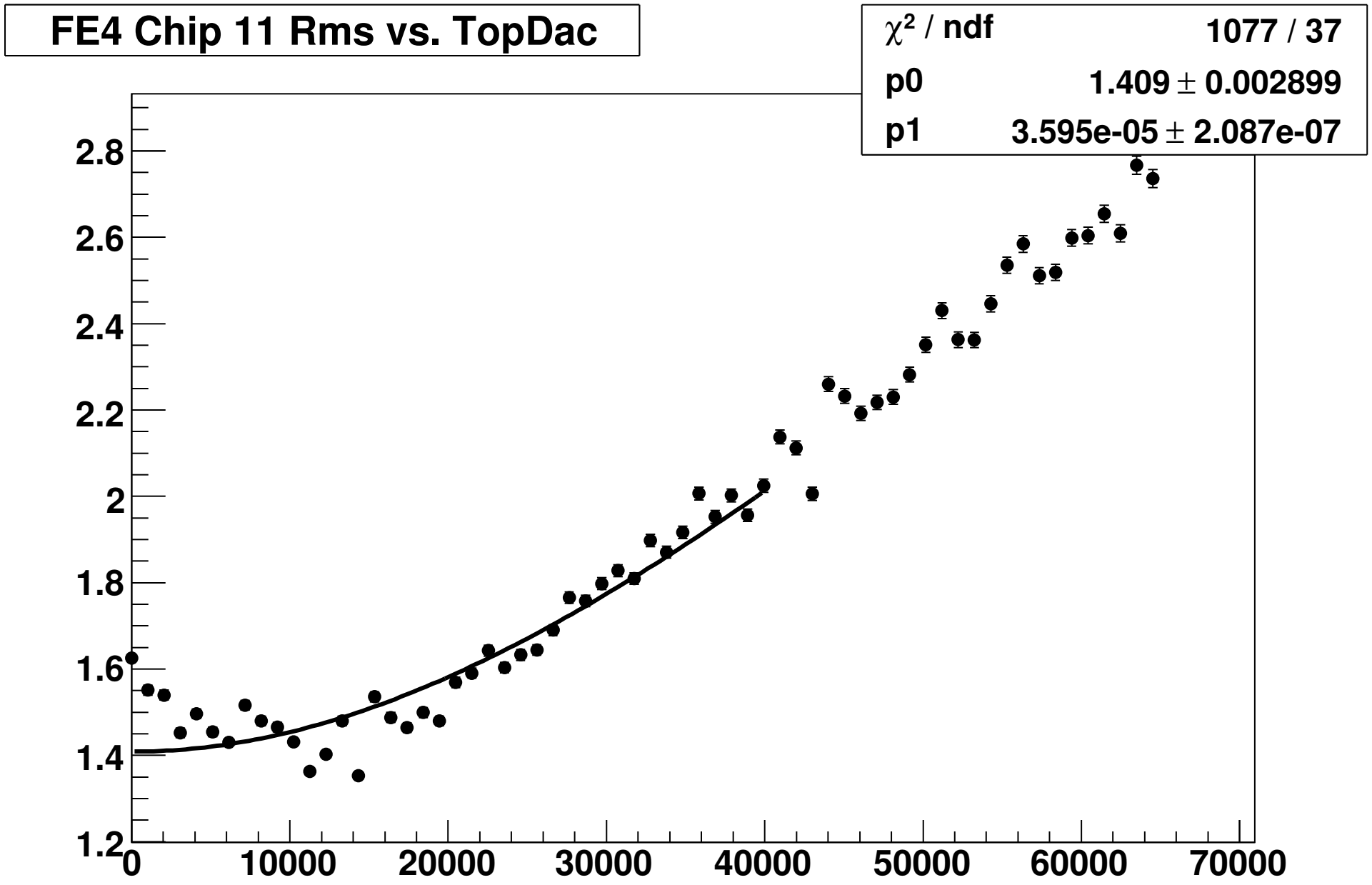
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1077 / 37
p0 1.409 ± 0.002899
p1 3.595e-05 ± 2.087e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
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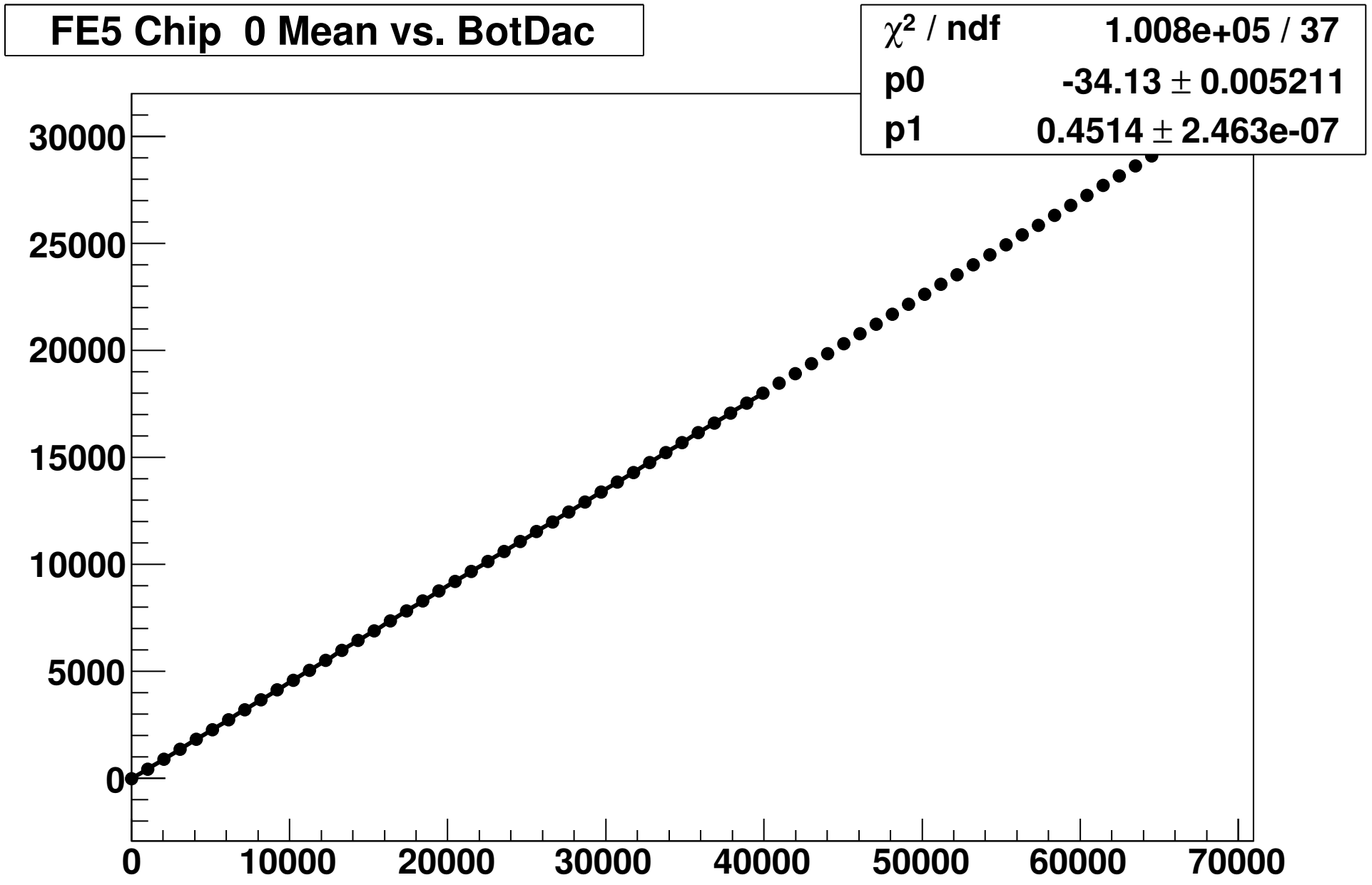
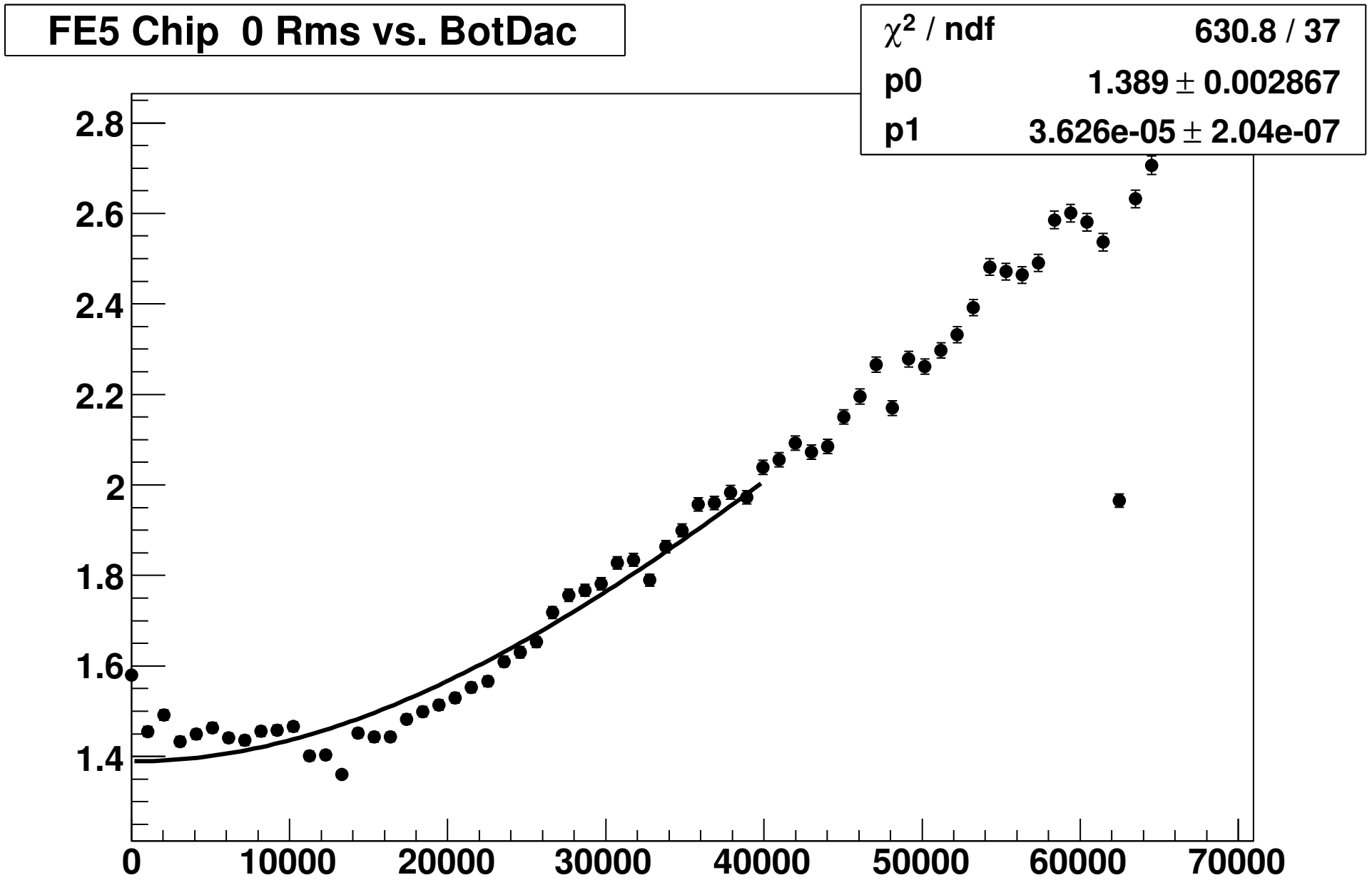

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.008e+05 / 37
p0 -34.13 ± 0.005211
p1 0.4514 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 630.8 / 37
p0 1.389 ± 0.002867
p1 3.626e-05 ± 2.04e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
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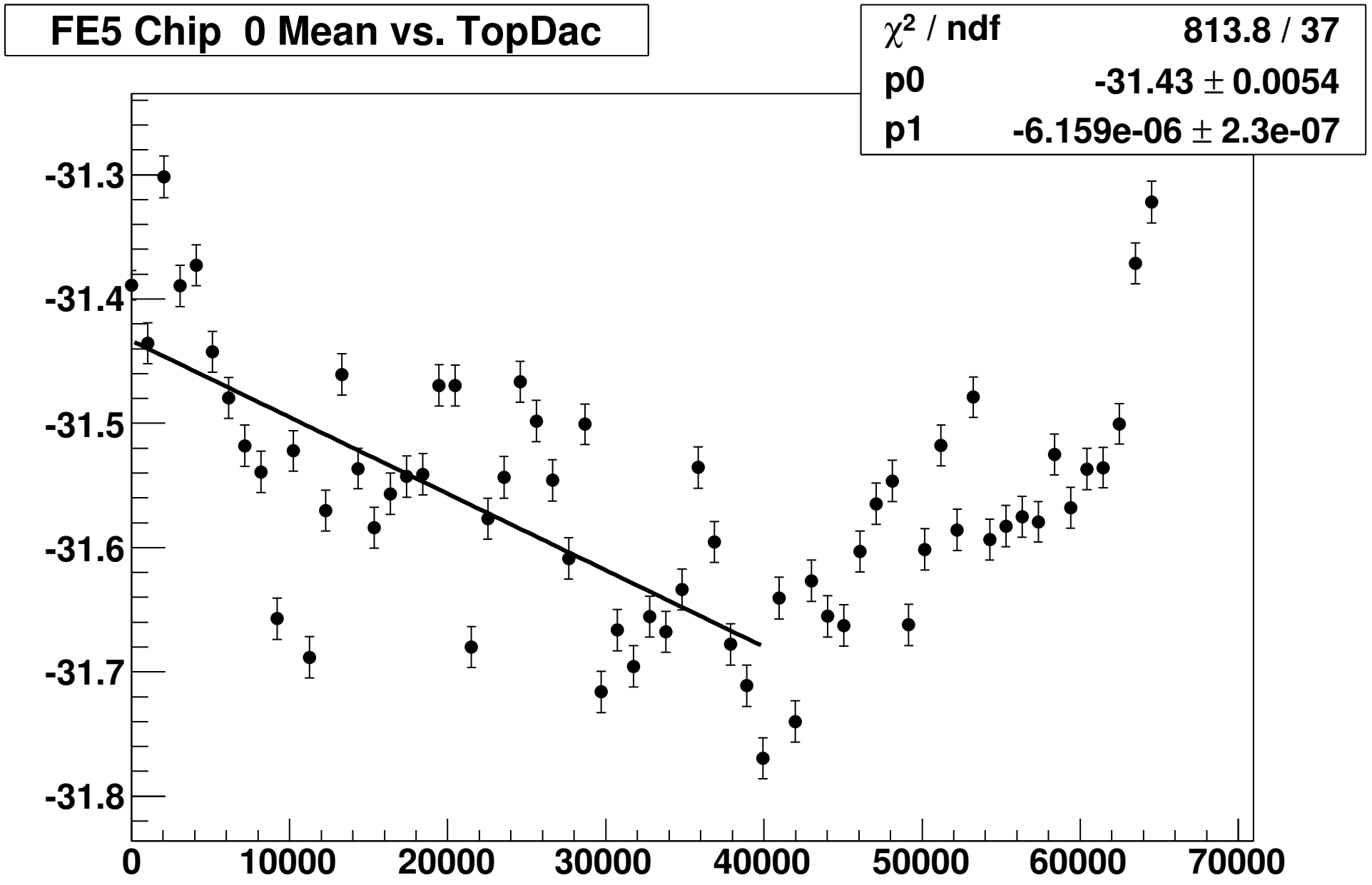
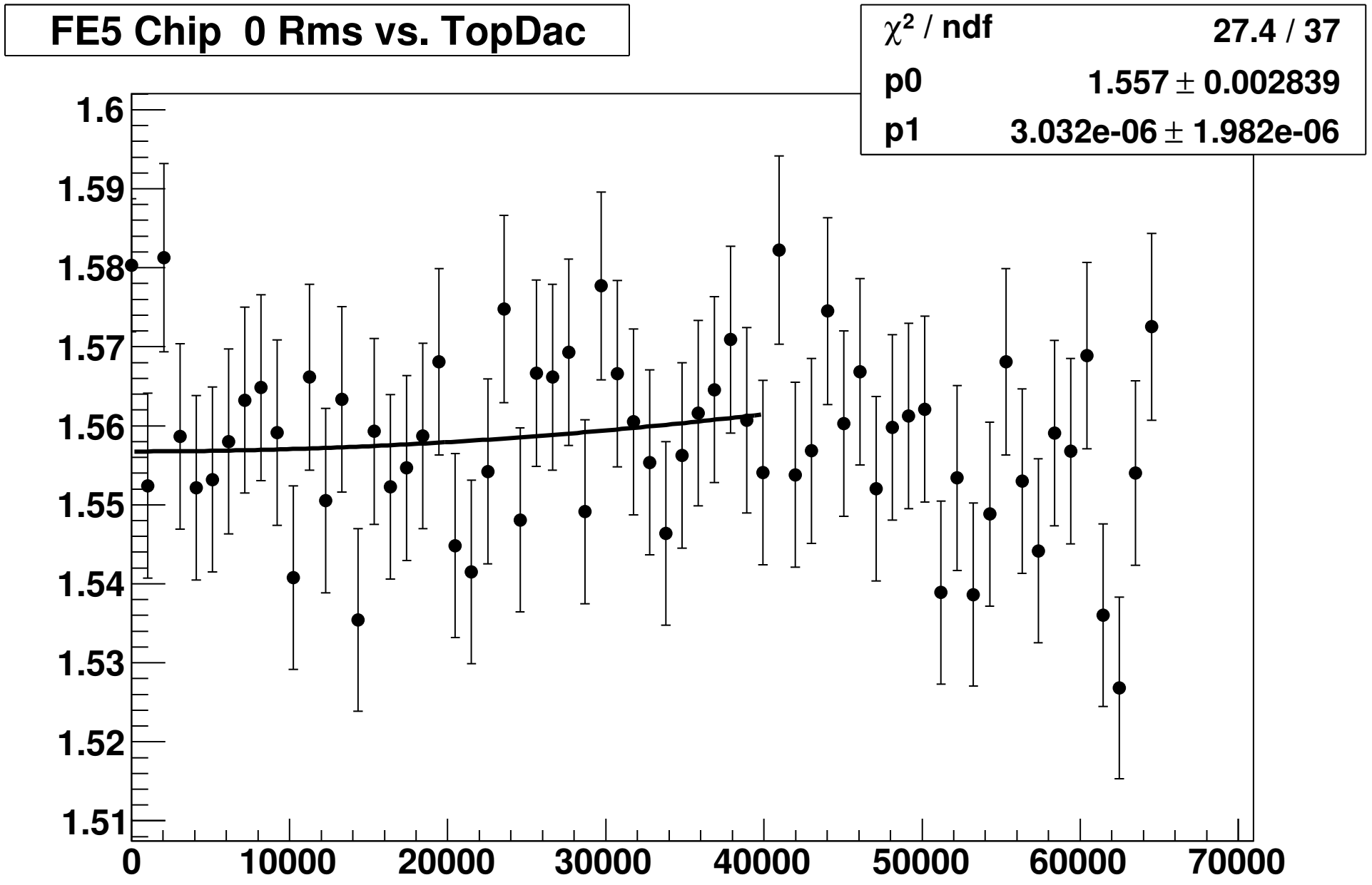

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 813.8 / 37
p0 -31.43 ± 0.0054
p1 -6.159e-06 ± 2.3e-07
-31.3
-31.4
-31.5
-31.6
-31.7
-31.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 27.4 / 37
p0 1.557 ± 0.002839
p1 3.032e-06 ± 1.982e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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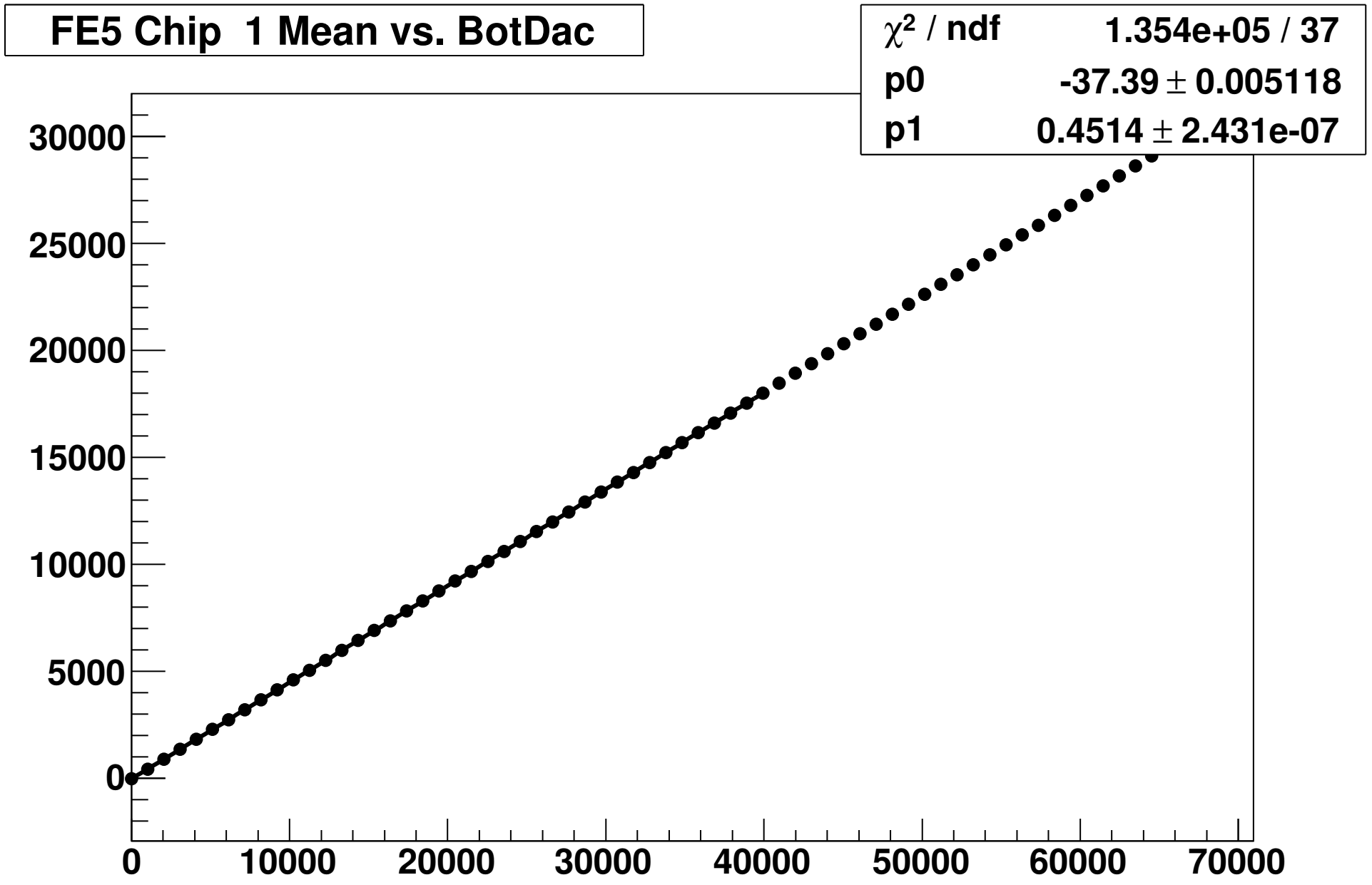
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.354e+05 / 37
p0 -37.39 ± 0.005118
p1 0.4514 ± 2.431e-07
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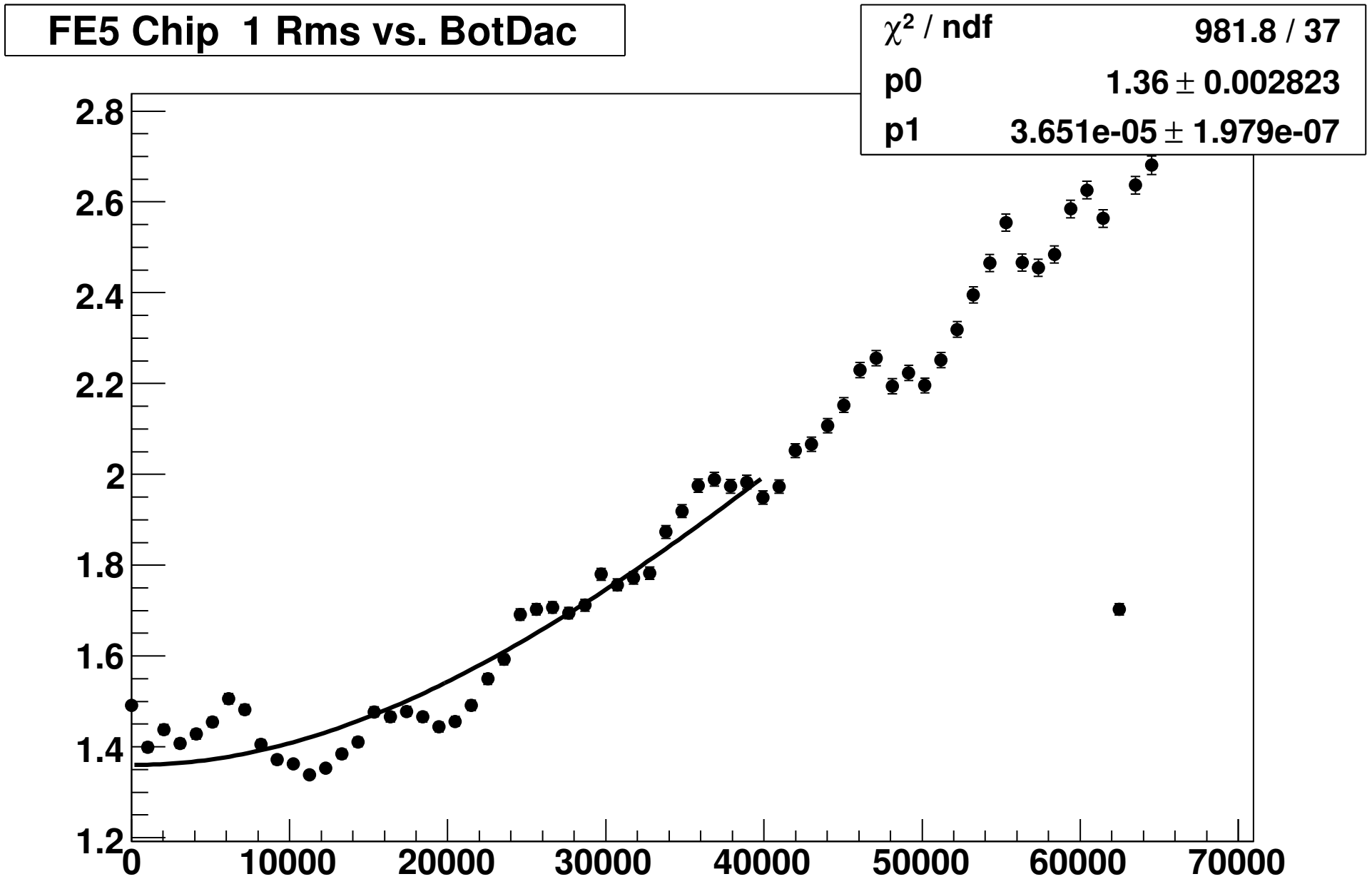
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 981.8 / 37
p0 1.36 ± 0.002823
p1 3.651e-05 ± 1.979e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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20000
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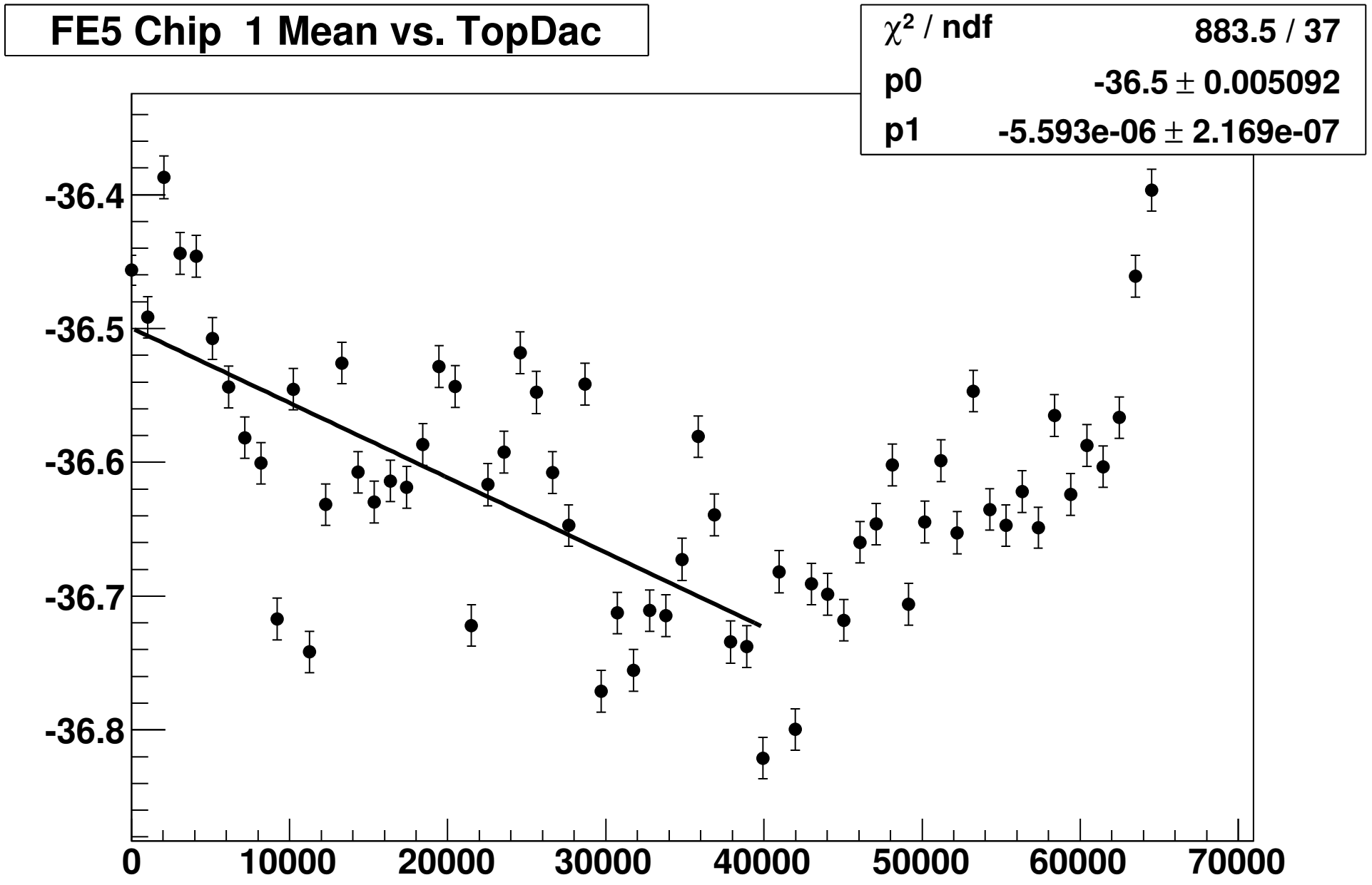
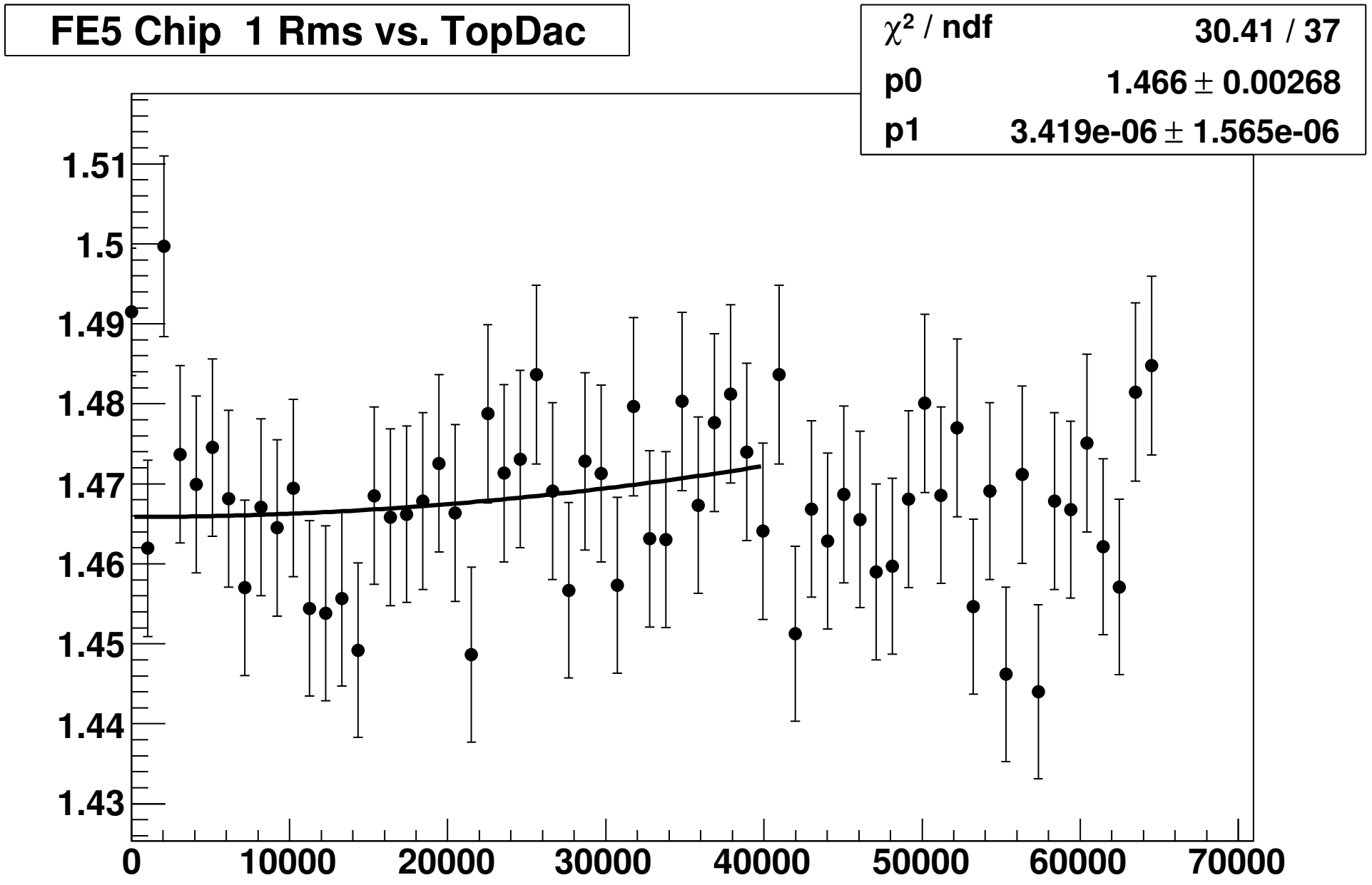

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 883.5 / 37
p0 -36.5 ± 0.005092
p1 -5.593e-06 ± 2.169e-07
-36.4
-36.5
-36.6
-36.7
-36.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 30.41 / 37
p0 1.466 ± 0.00268
p1 3.419e-06 ± 1.565e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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50000
60000
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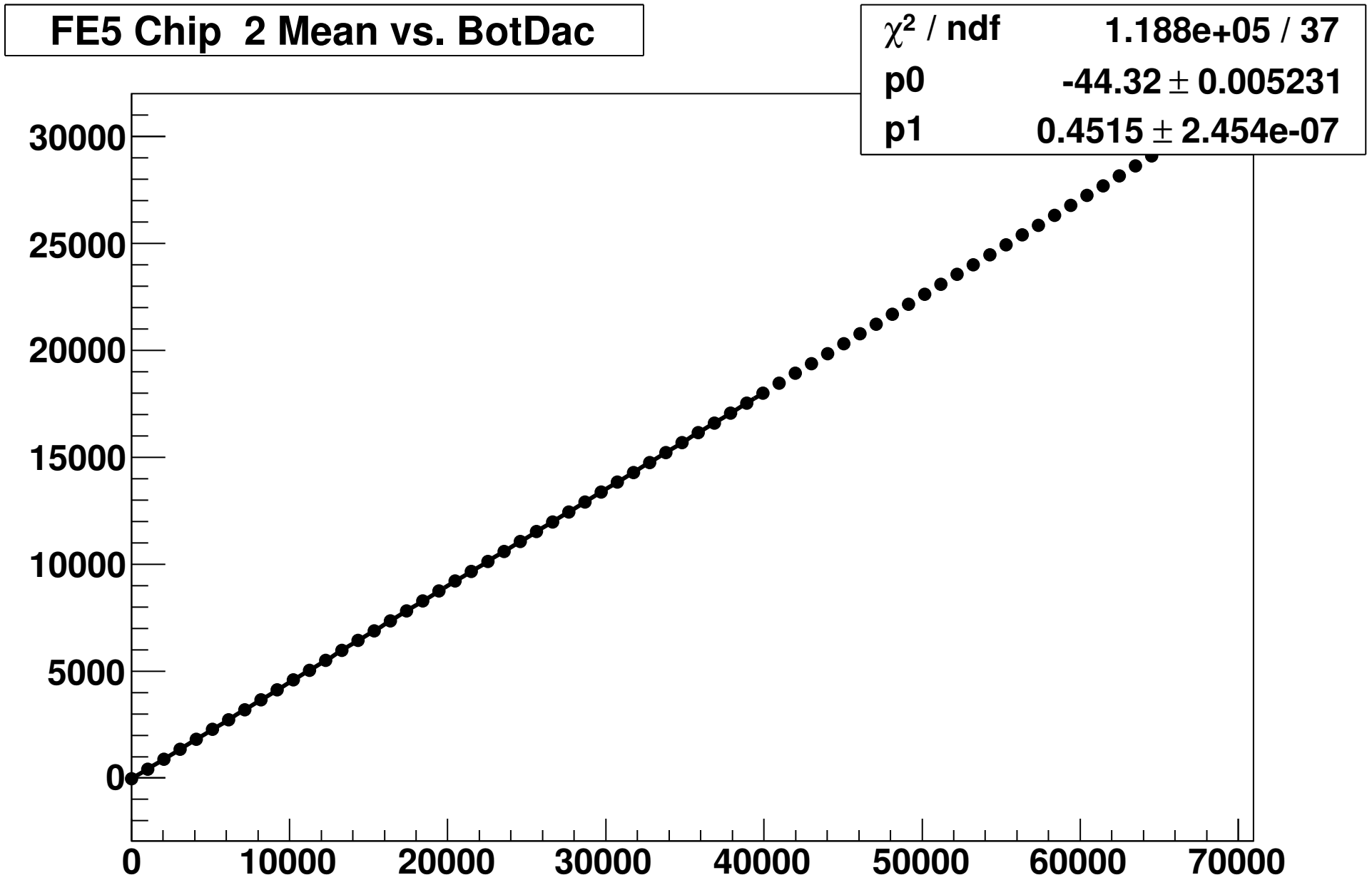
FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.188e+05 / 37
p0 -44.32 ± 0.005231
p1 0.4515 ± 2.454e-07
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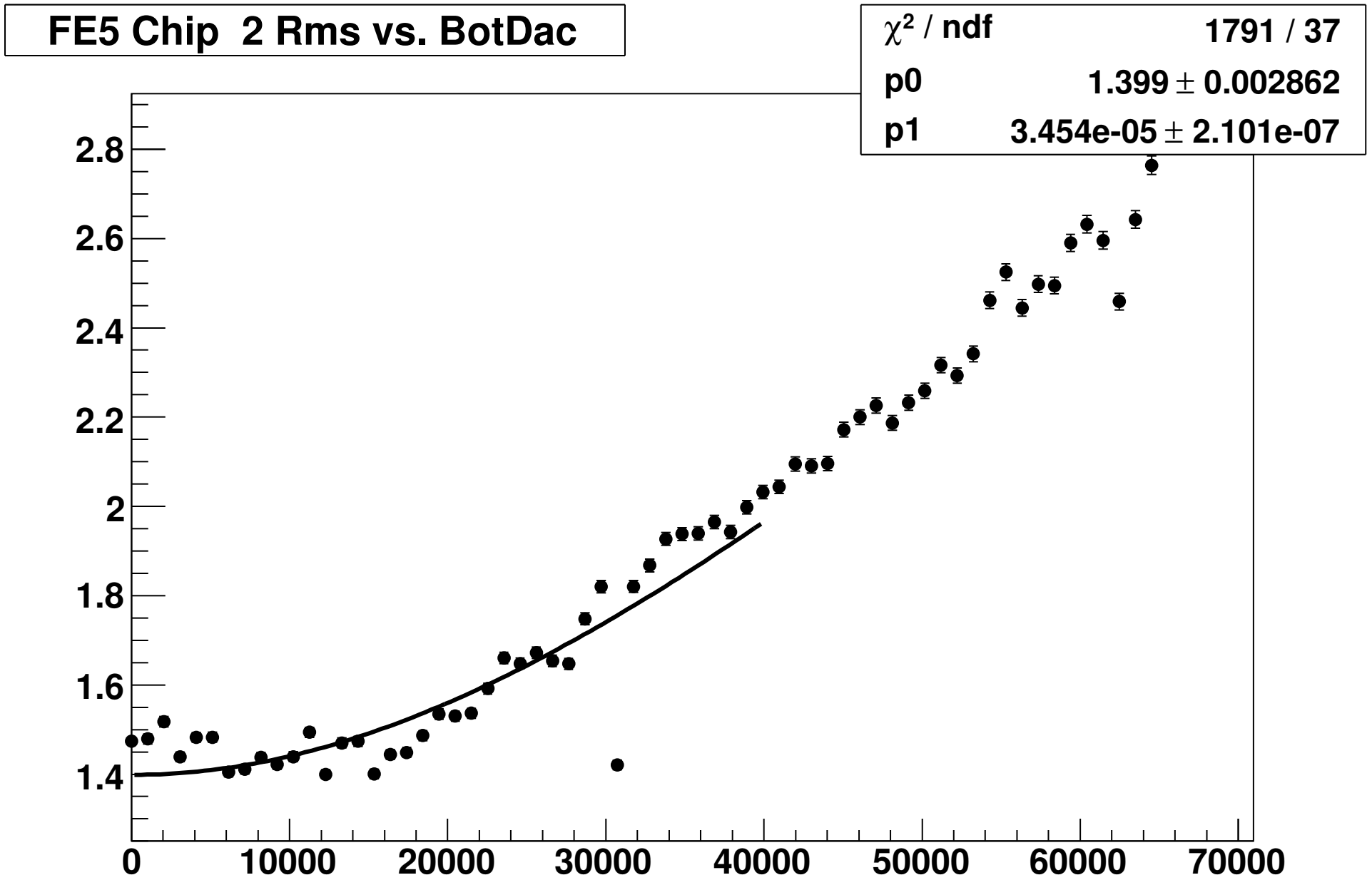
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1791 / 37
p0 1.399 ± 0.002862
p1 3.454e-05 ± 2.101e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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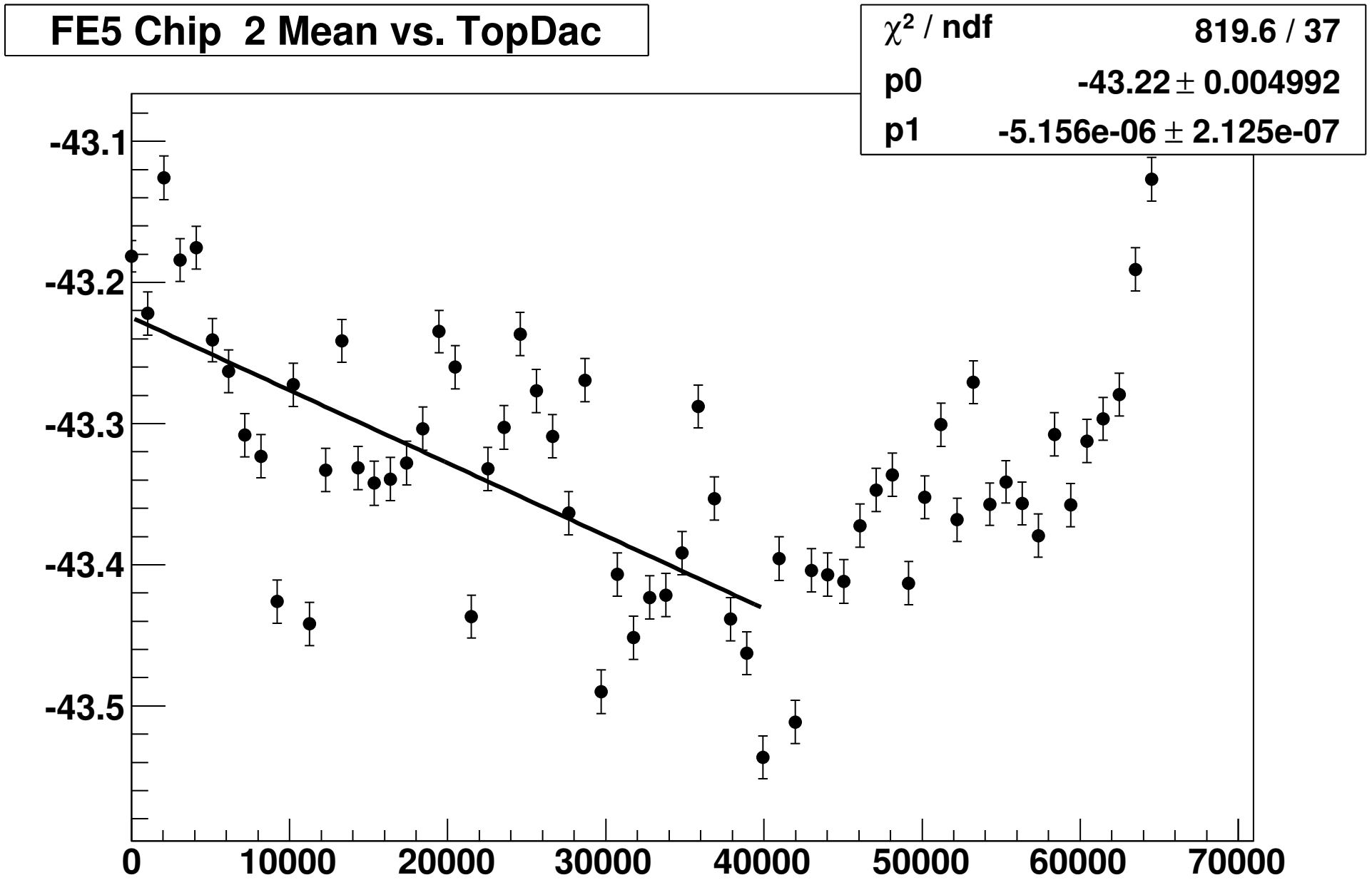
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 819.6 / 37
p0 -43.22 ± 0.004992
p1 -5.156e-06 ± 2.125e-07
-43.1
-43.2
-43.3
-43.4
-43.5
0
10000
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40000
50000
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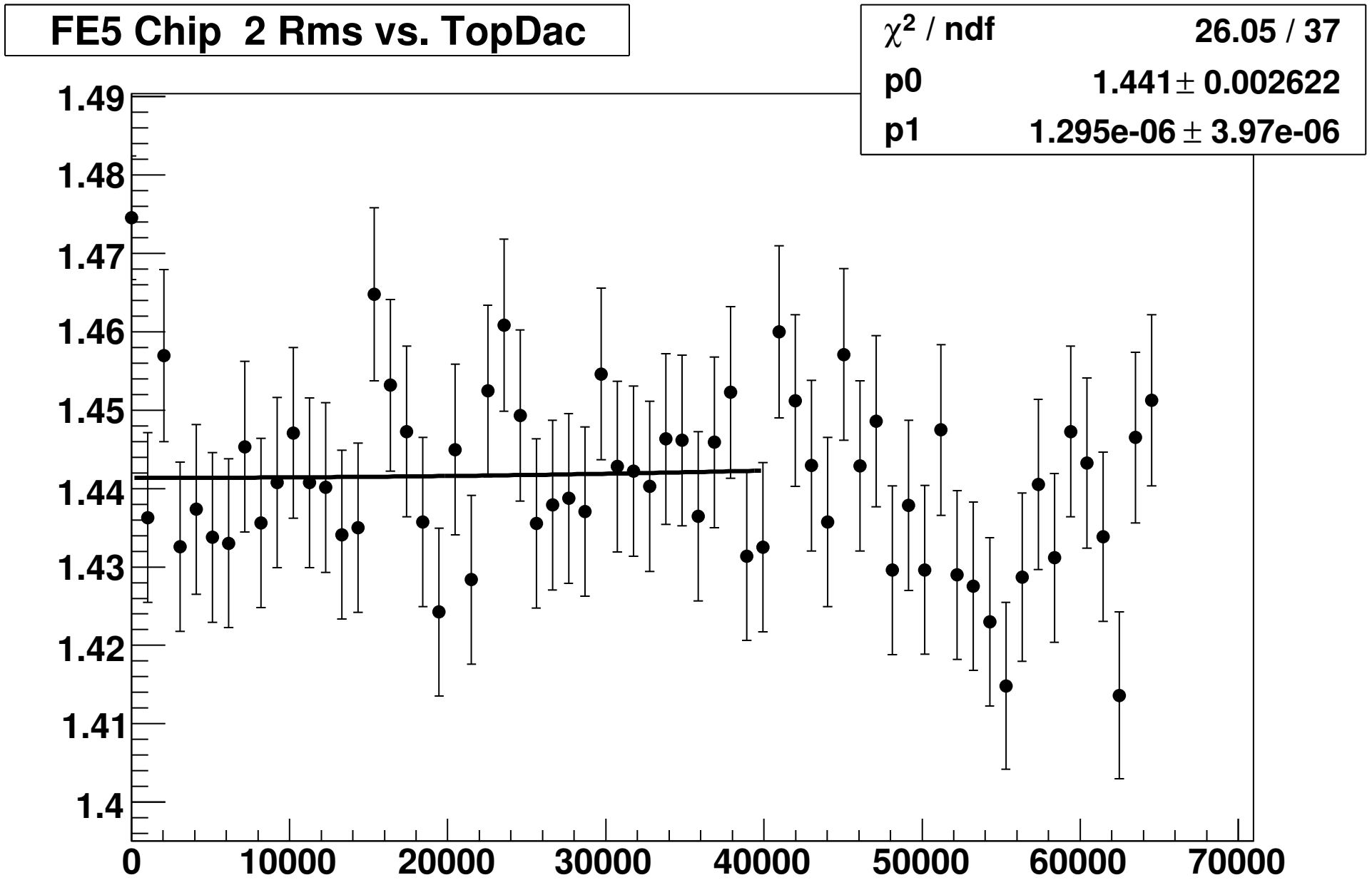
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 26.05 / 37
p0 1.441 ± 0.002622
p1 1.295e-06 ± 3.97e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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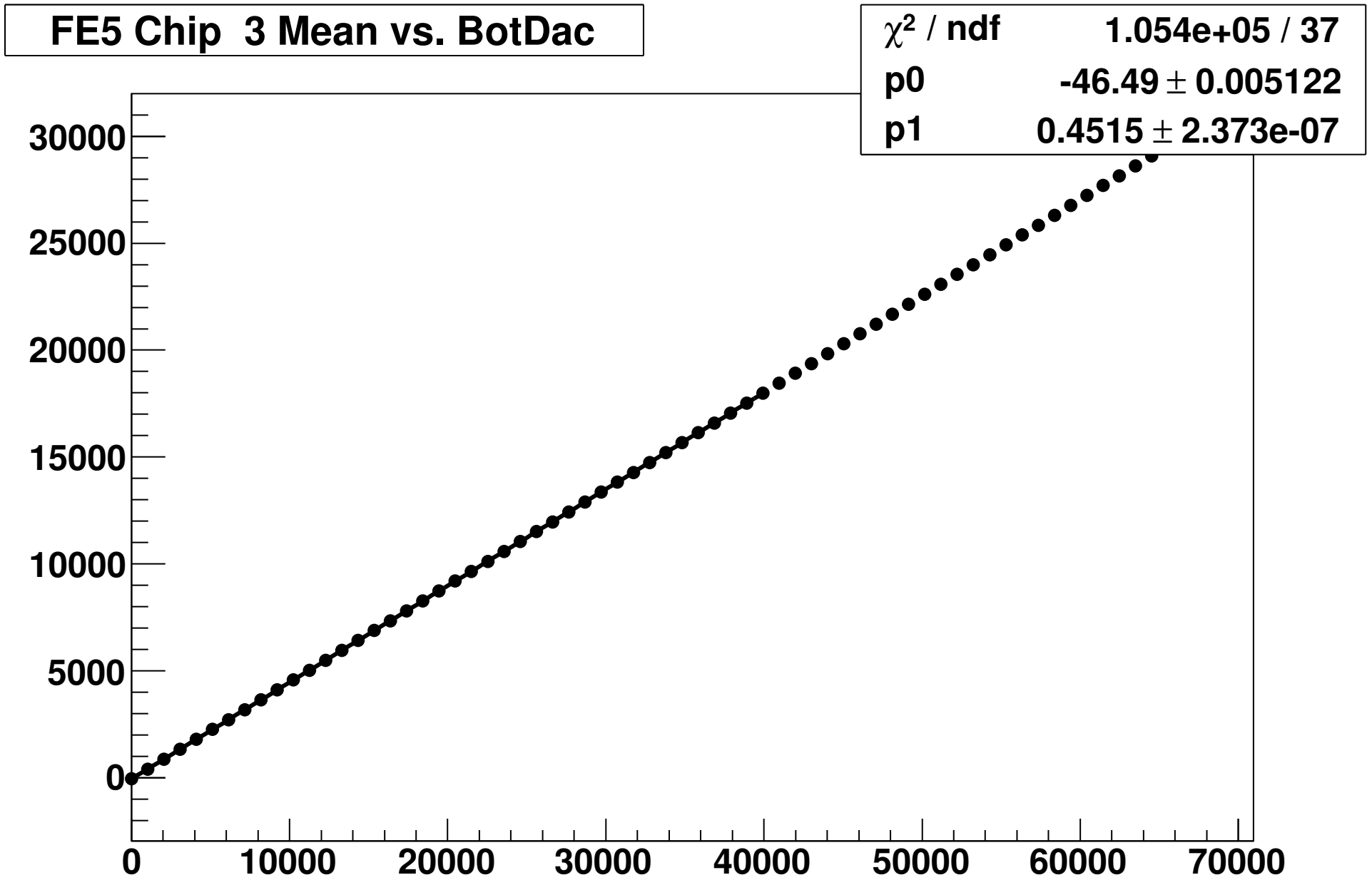
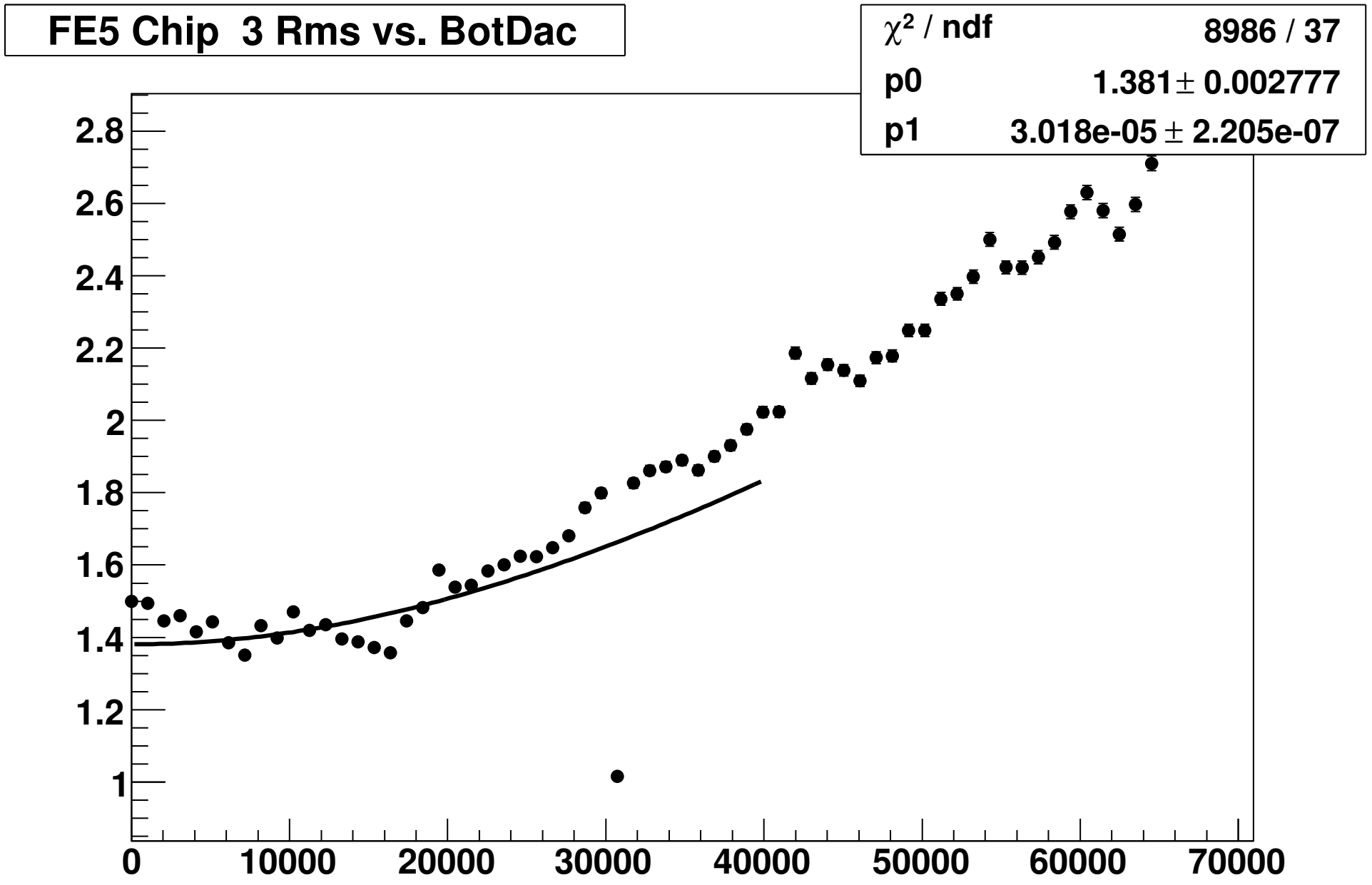

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.054e+05 / 37
p0 -46.49 ± 0.005122
p1 0.4515 ± 2.373e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 8986 / 37
p0 1.381 ± 0.002777
p1 3.018e-05 ± 2.205e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
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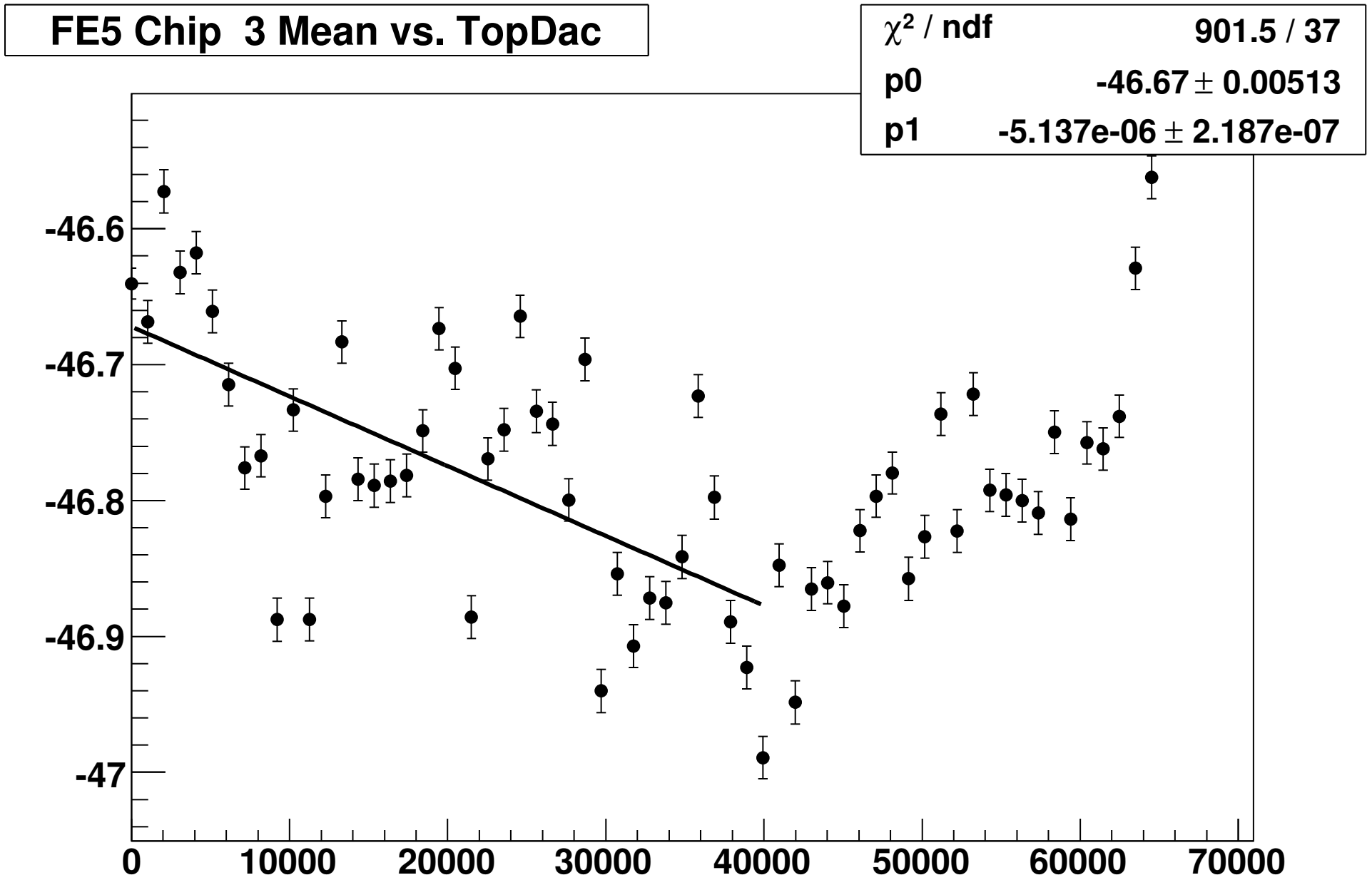
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 901.5 / 37
p0 -46.67 ± 0.00513
p1 -5.137e-06 ± 2.187e-07
-46.6
-46.7
-46.8
-46.9
-47
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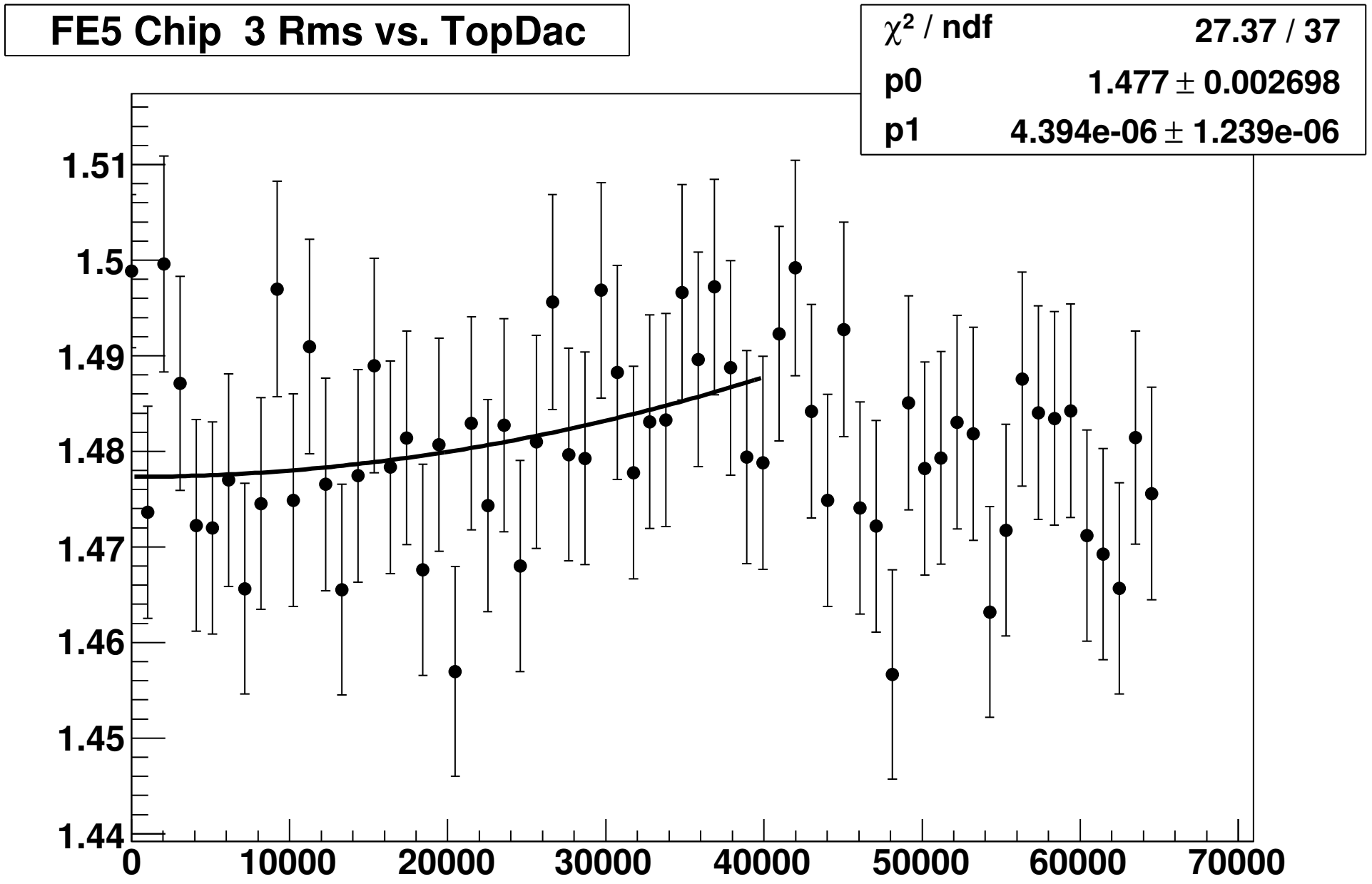
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 27.37 / 37
p0 1.477 ± 0.002698
p1 4.394e-06 ± 1.239e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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20000
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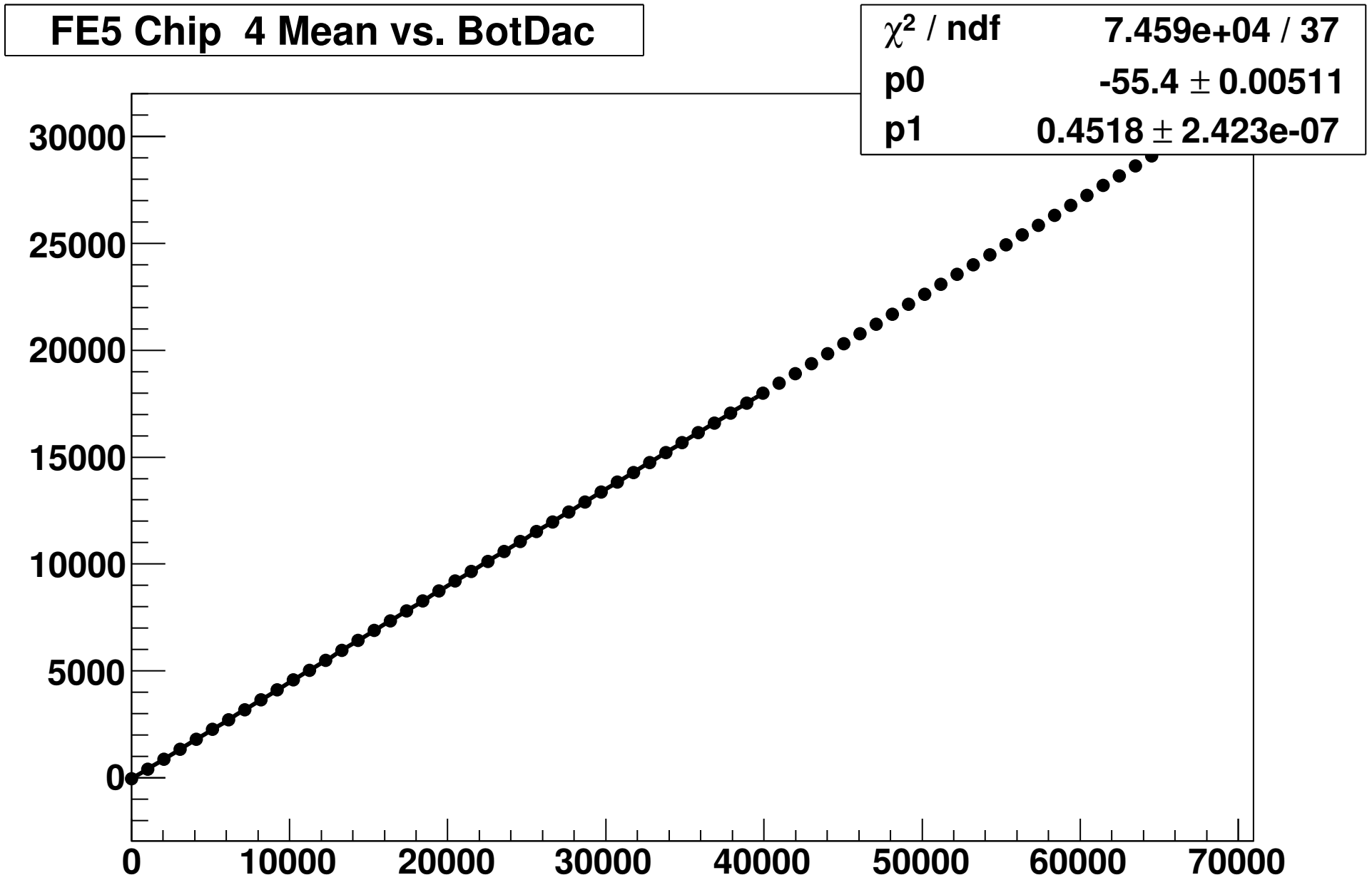
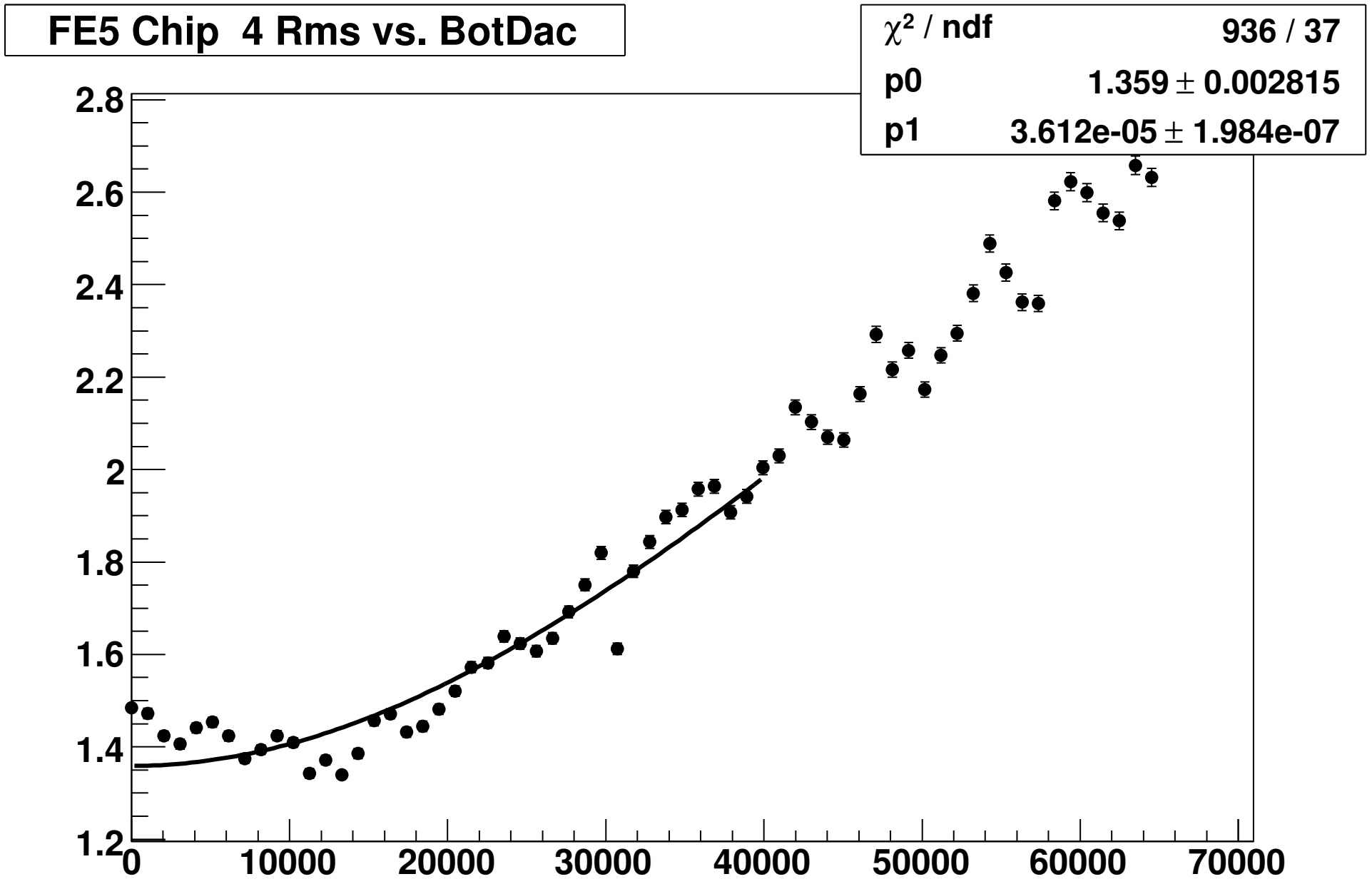

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.459e+04 / 37
p0 -55.4 ± 0.00511
p1 0.4518 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 936 / 37
p0 1.359 ± 0.002815
p1 3.612e-05 ± 1.984e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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10000
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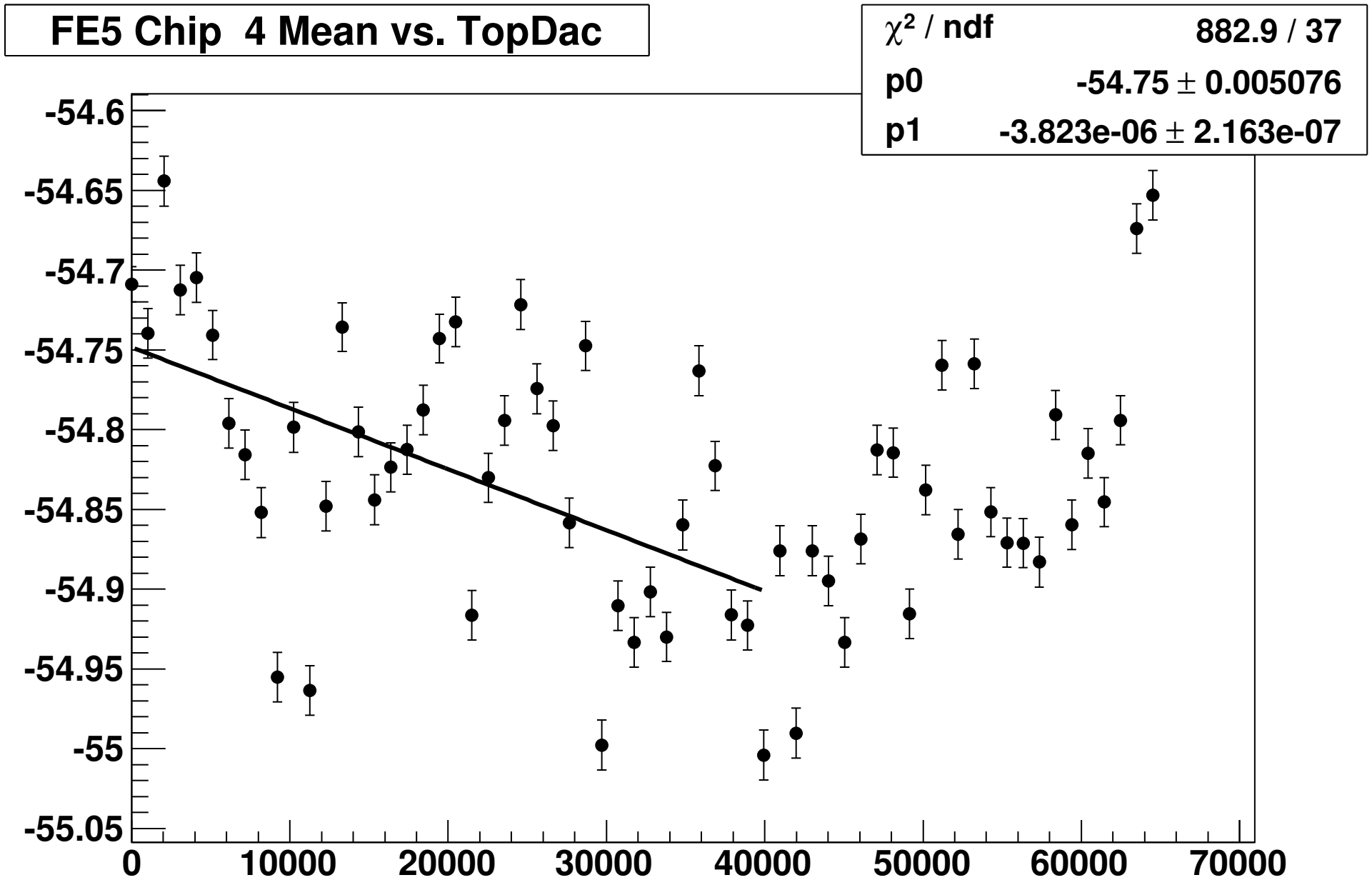
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 882.9 / 37
p0 -54.75 ± 0.005076
p1 -3.823e-06 ± 2.163e-07
-54.6
-54.65
-54.7
-54.75
-54.8
-54.85
-54.9
-54.95
-55
-55.05
0
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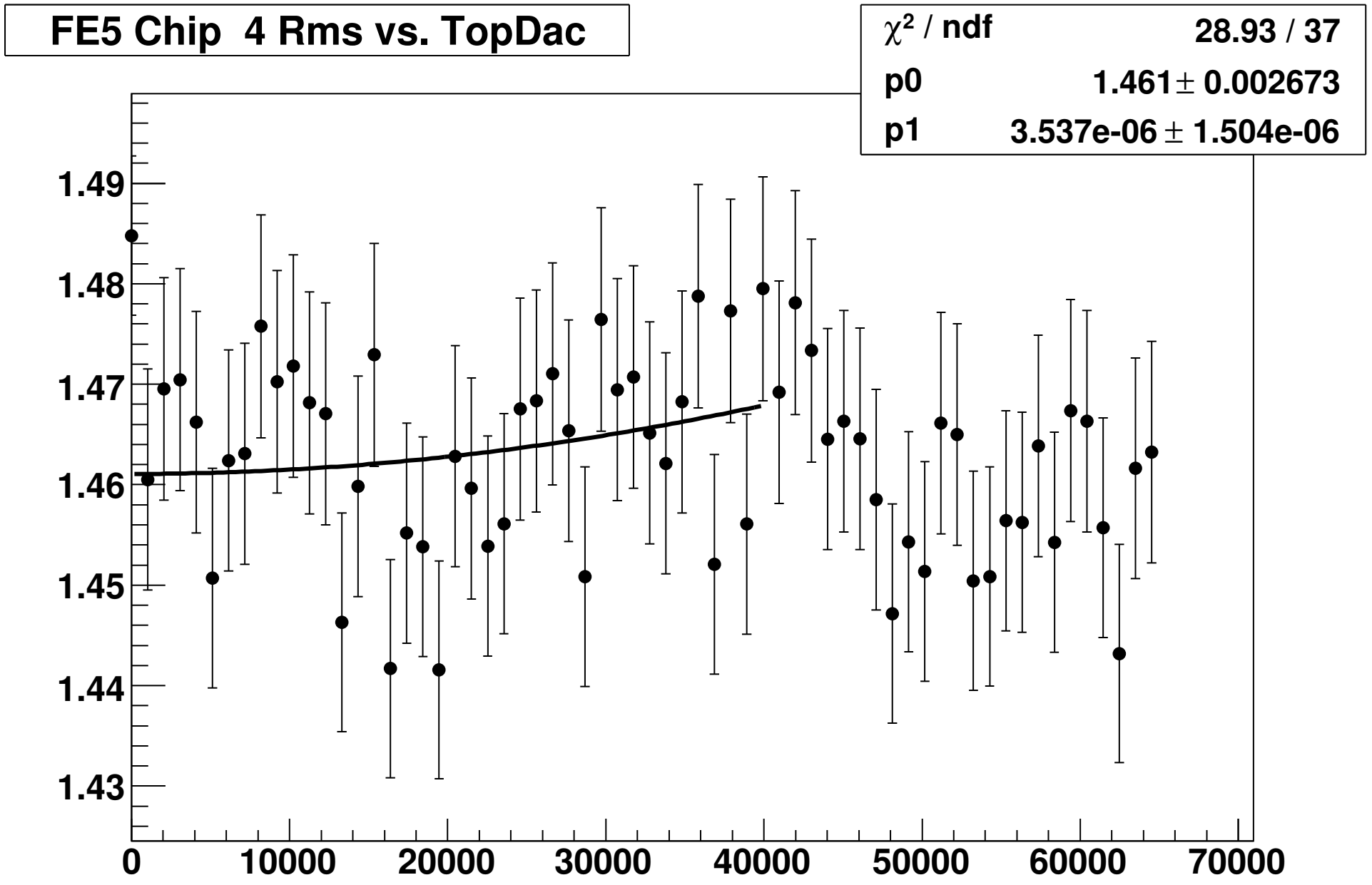
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 28.93 / 37
p0 1.461 ± 0.002673
p1 3.537e-06 ± 1.504e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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20000
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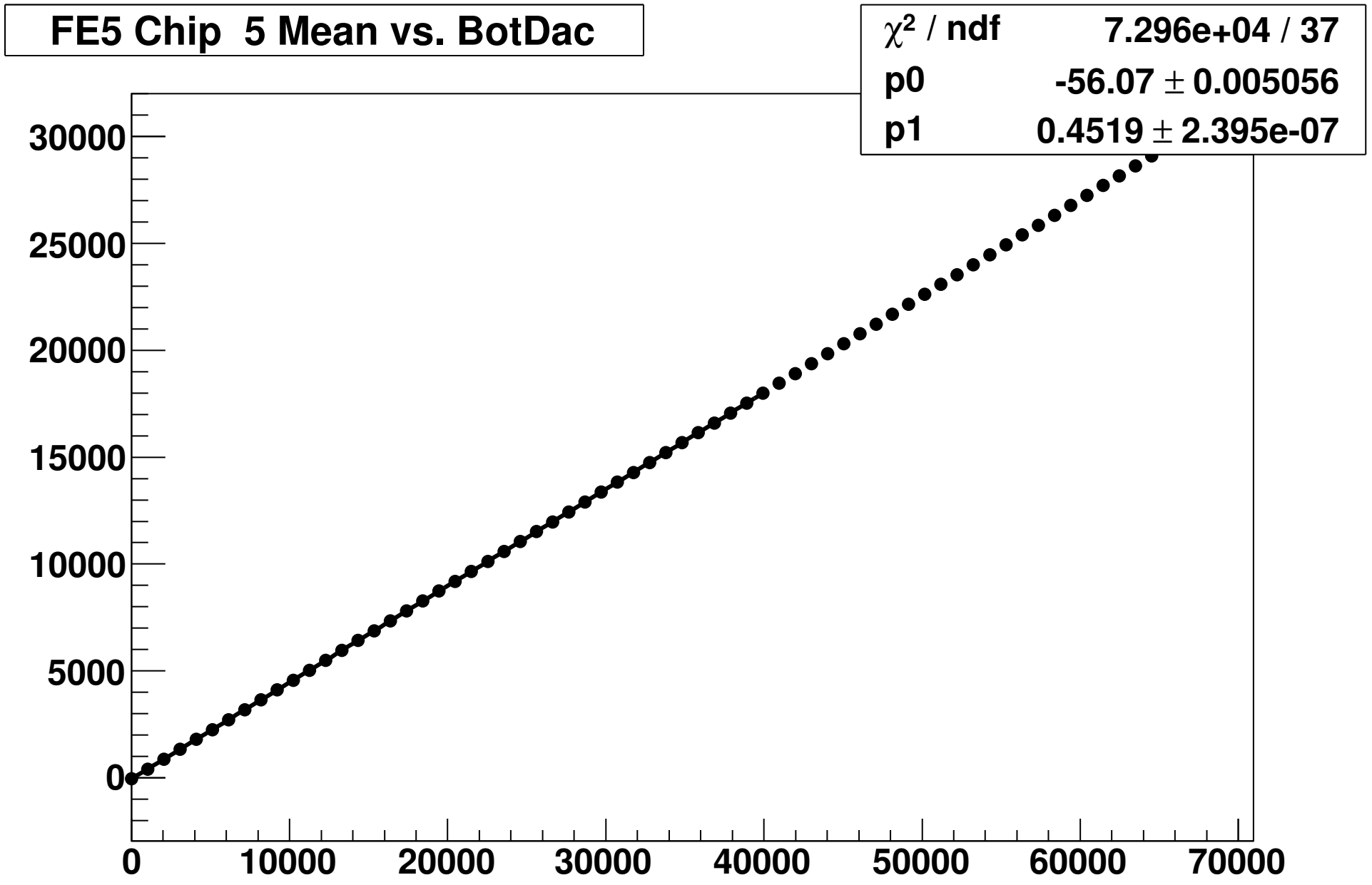
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 7.296e+04 / 37
p0 -56.07 ± 0.005056
p1 0.4519 ± 2.395e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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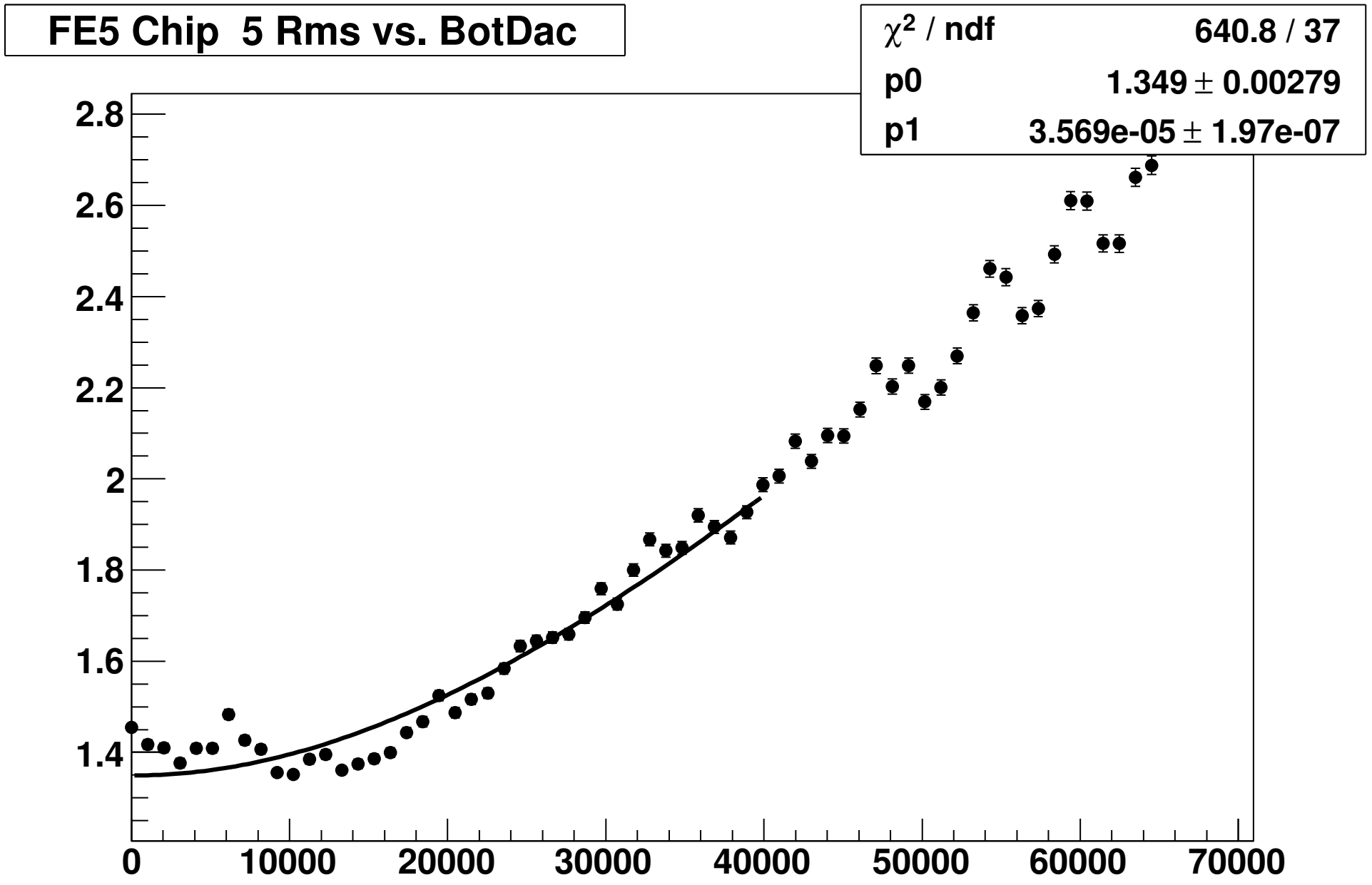
FE5 Chip 5 Rms vs. BotDac
χ² / ndf 640.8 / 37
p0 1.349 ± 0.00279
p1 3.569e-05 ± 1.97e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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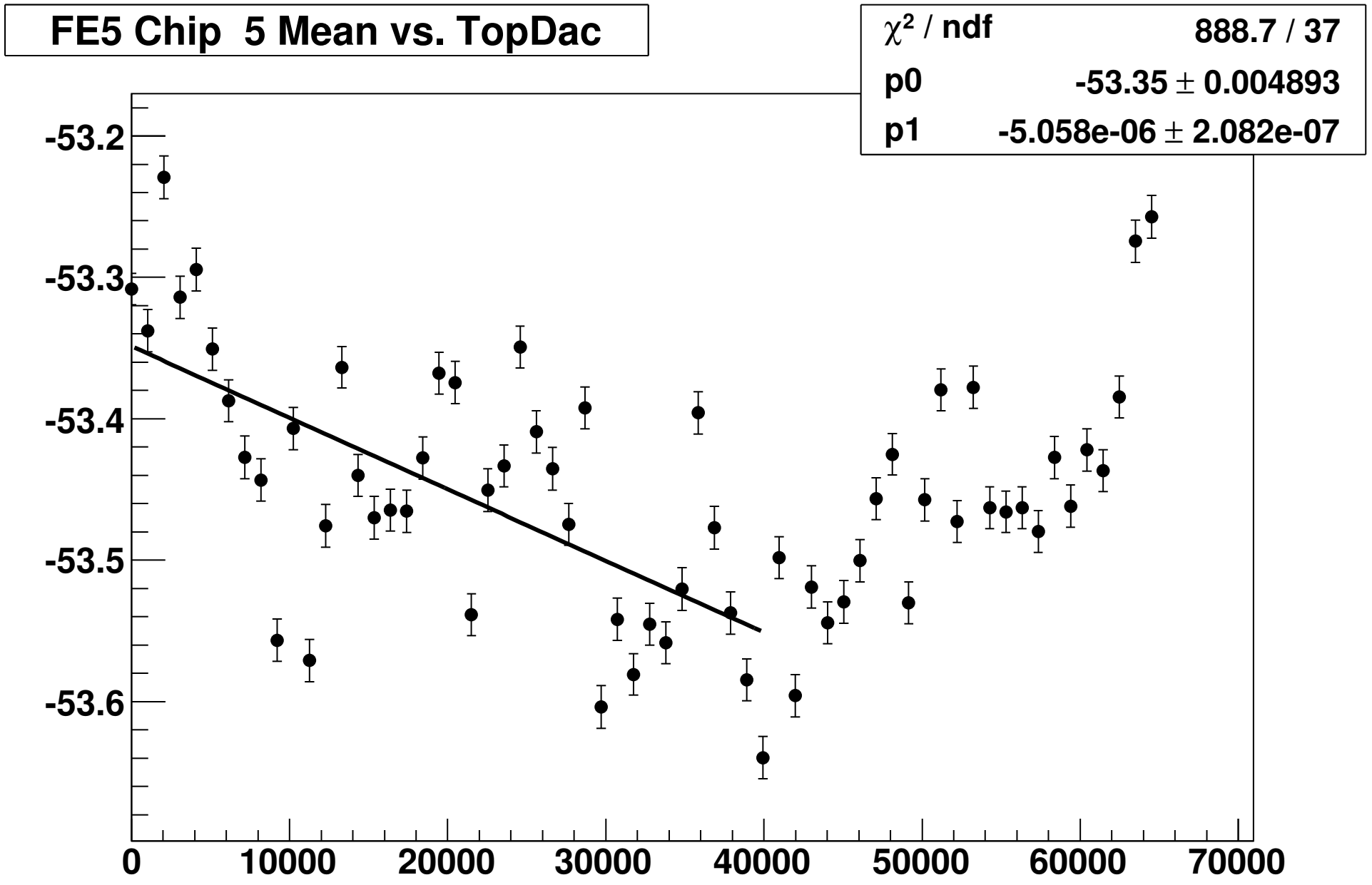
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 888.7 / 37
p0 -53.35 ± 0.004893
p1 -5.058e-06 ± 2.082e-07
-53.2
-53.3
-53.4
-53.5
-53.6
0
10000
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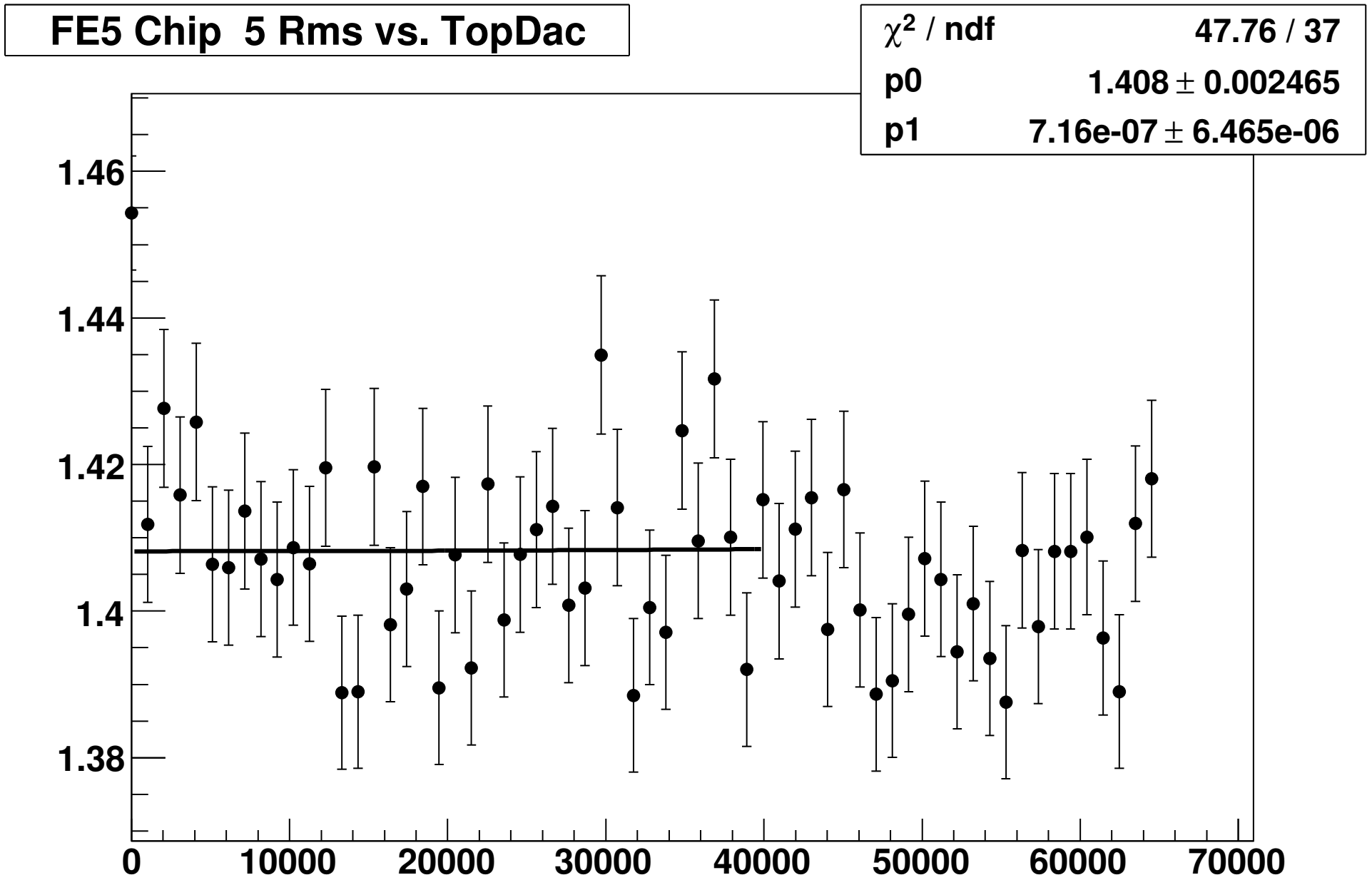
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 47.76 / 37
p0 1.408 ± 0.002465
p1 7.16e-07 ± 6.465e-06
1.46
1.44
1.42
1.4
1.38
0
10000
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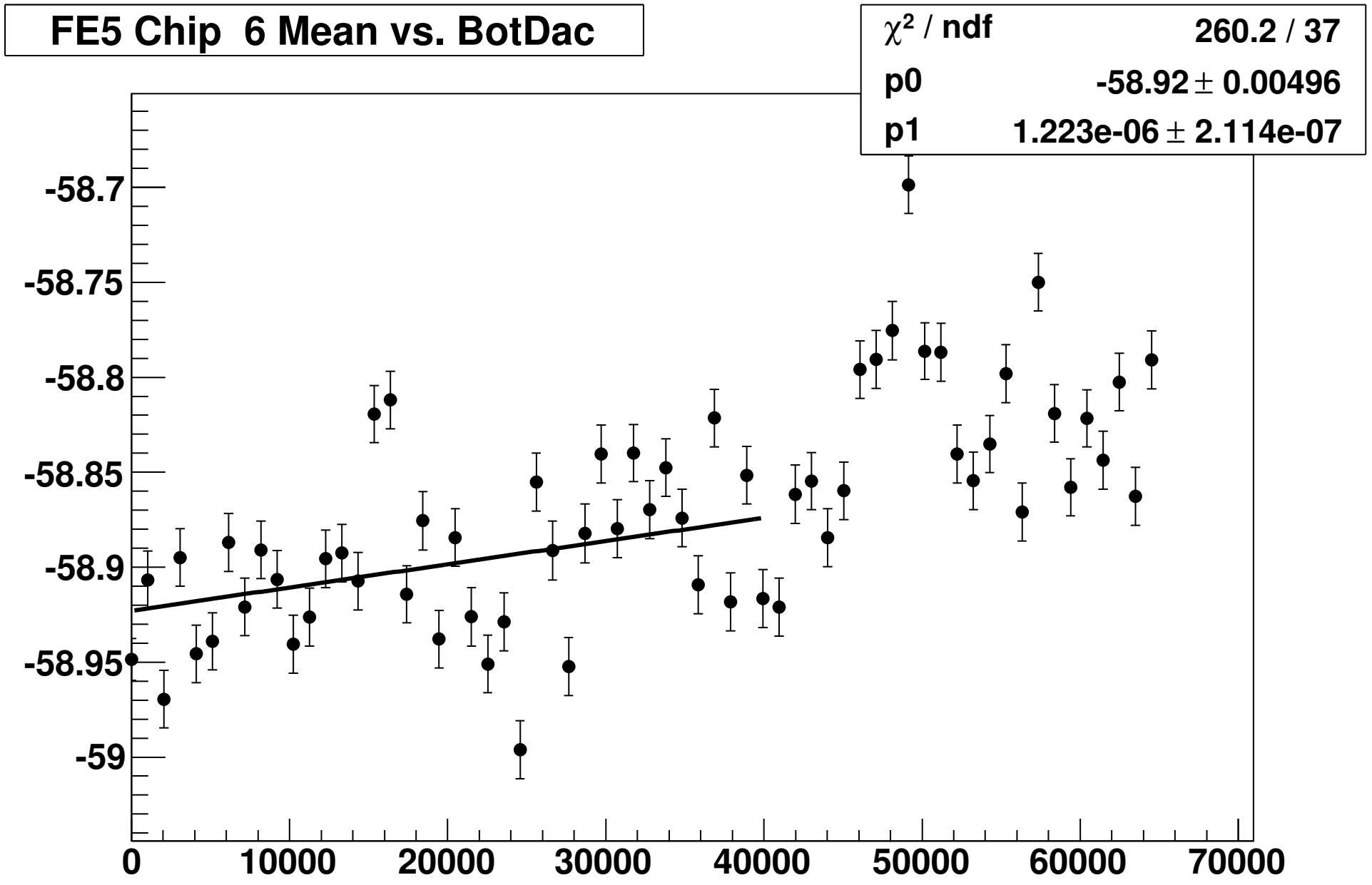
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 260.2 / 37
p0 -58.92 ± 0.00496
p1 1.223e-06 ± 2.114e-07
-58.7
-58.75
-58.8
-58.85
-58.9
-58.95
-59
0
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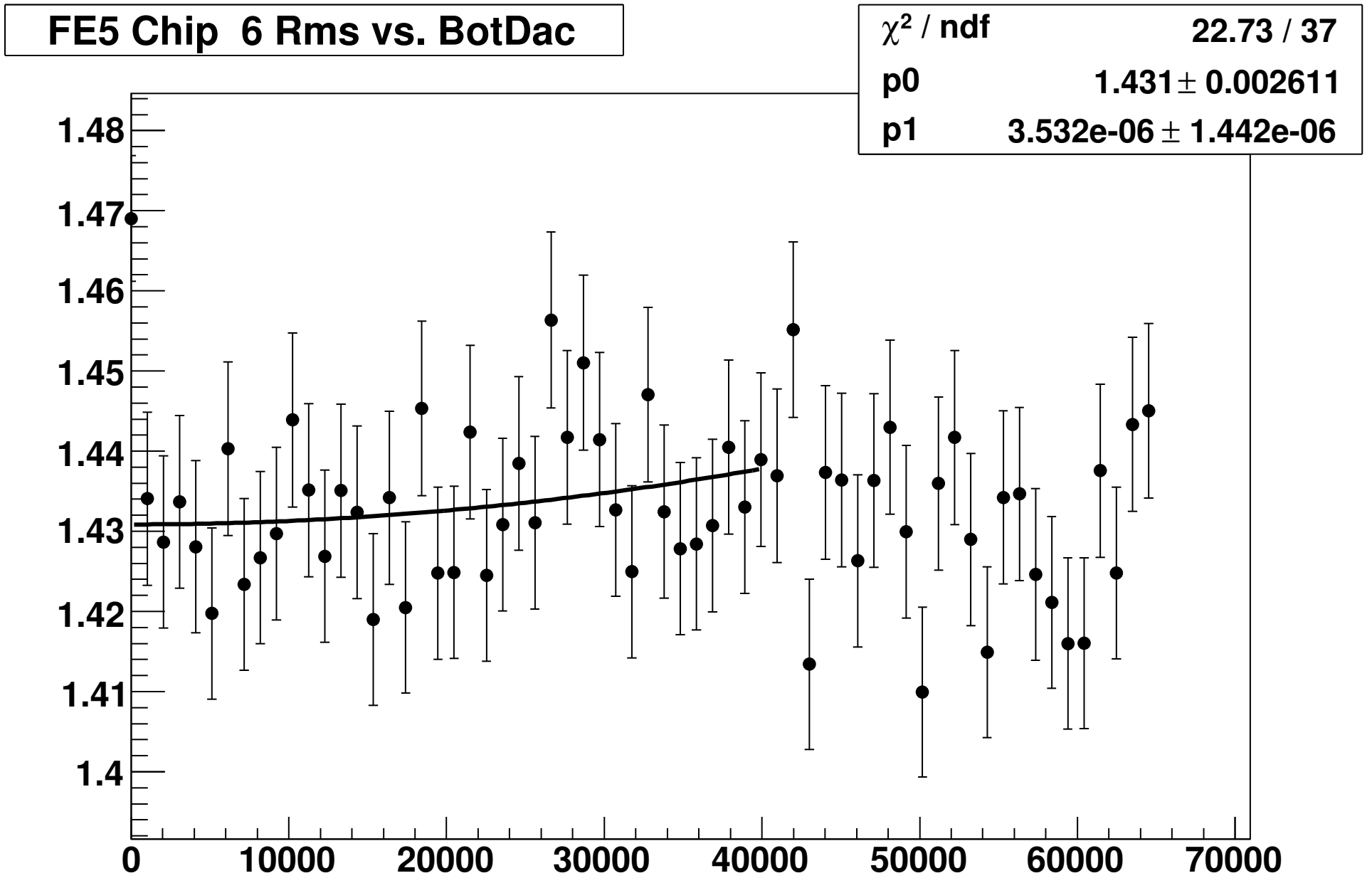
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 22.73 / 37
p0 1.431 ± 0.002611
p1 3.532e-06 ± 1.442e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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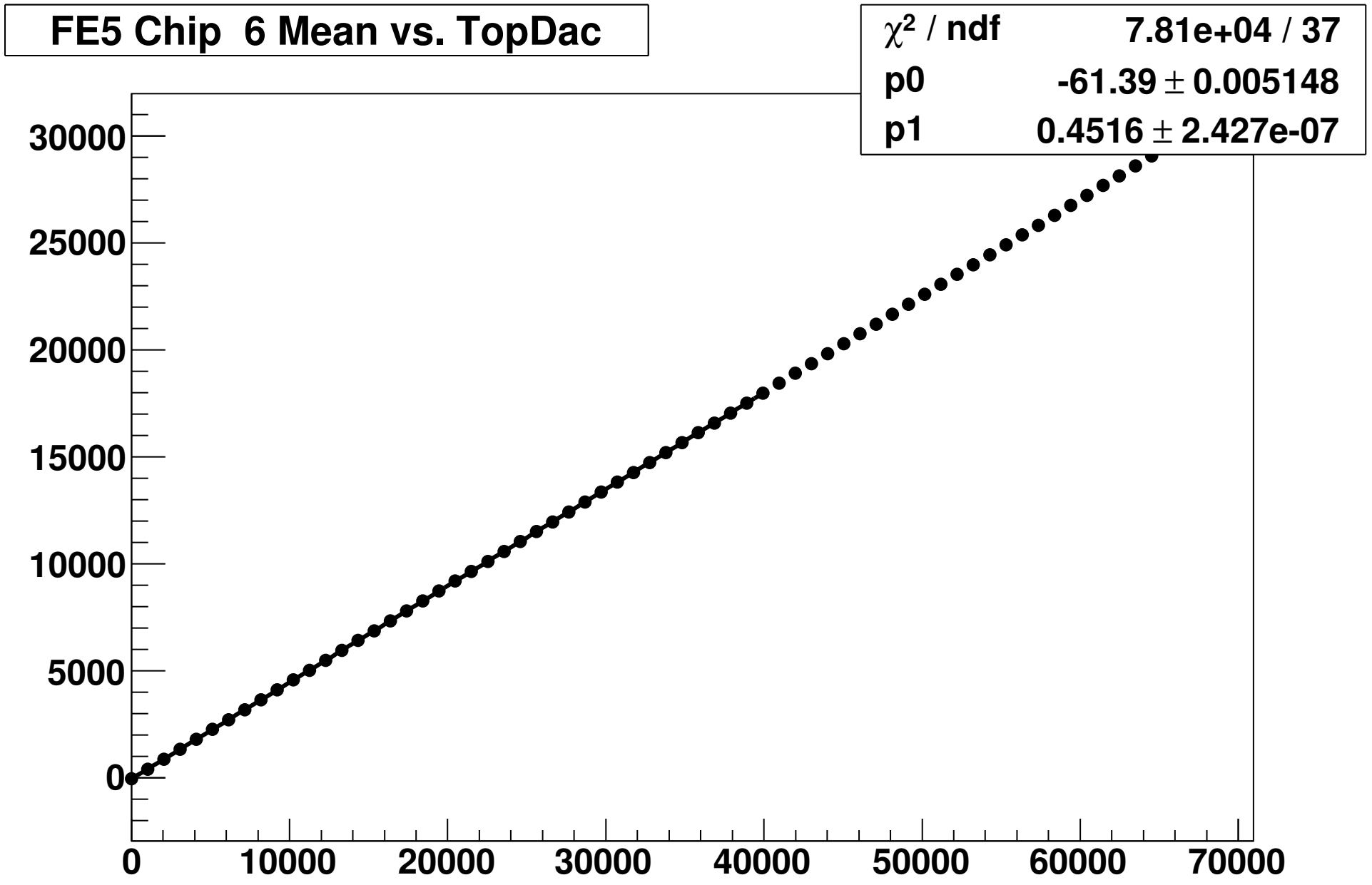
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.81e+04 / 37
p0 -61.39 ± 0.005148
p1 0.4516 ± 2.427e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
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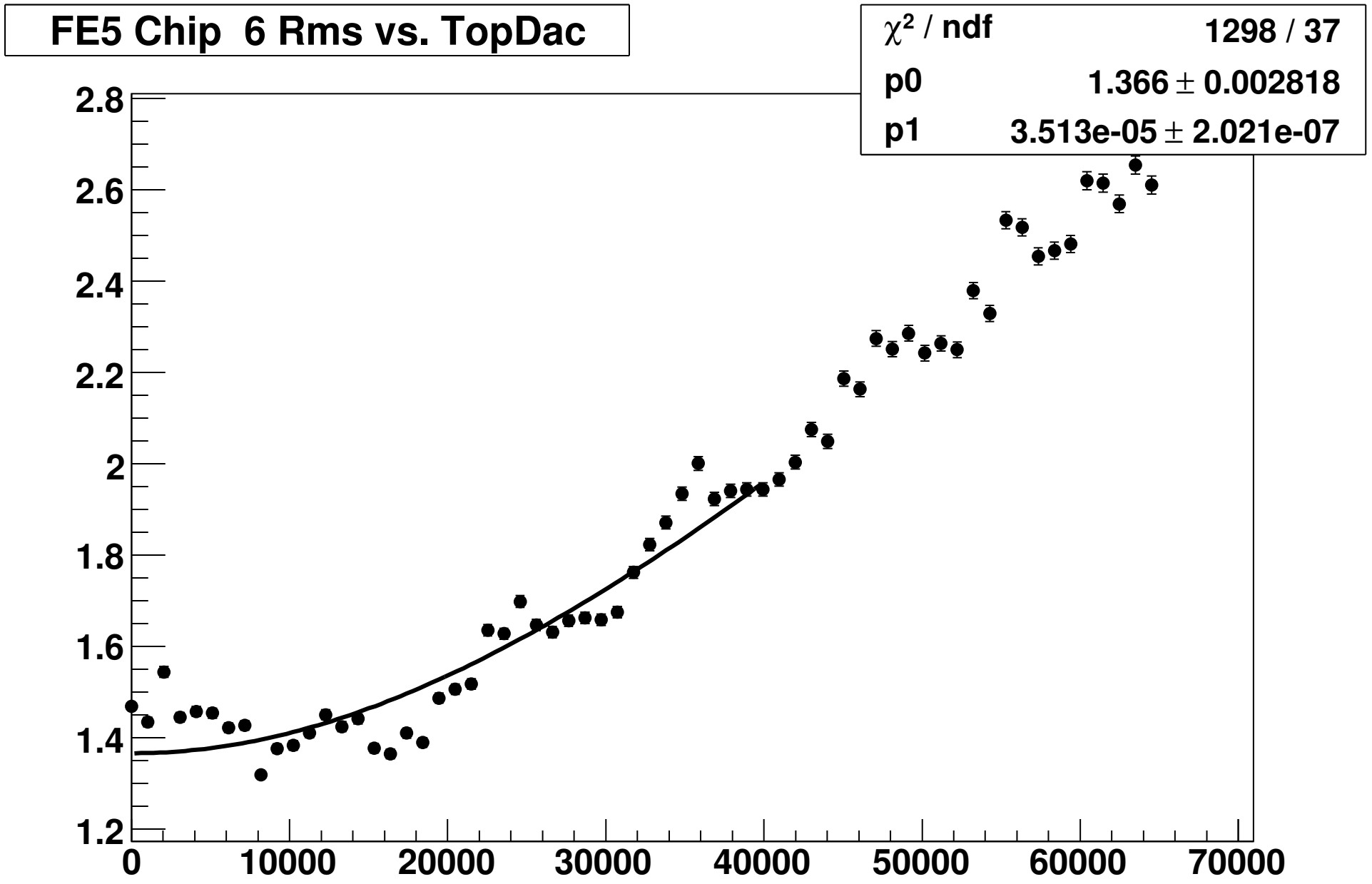
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1298 / 37
p0 1.366 ± 0.002818
p1 3.513e-05 ± 2.021e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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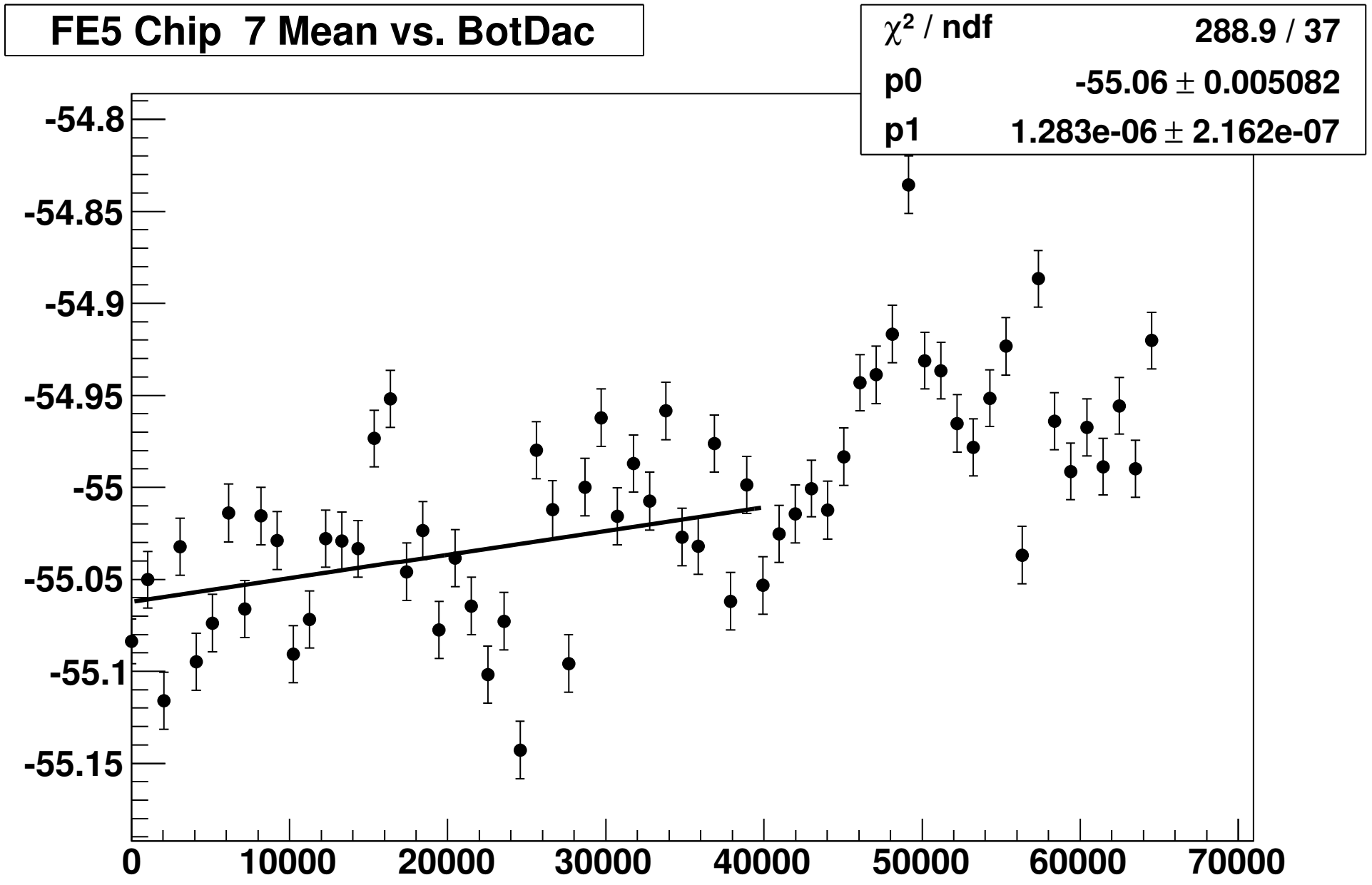
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 288.9 / 37
p0 -55.06 ± 0.005082
p1 1.283e-06 ± 2.162e-07
-54.8
-54.85
-54.9
-54.95
-55
-55.05
-55.1
-55.15
0
10000
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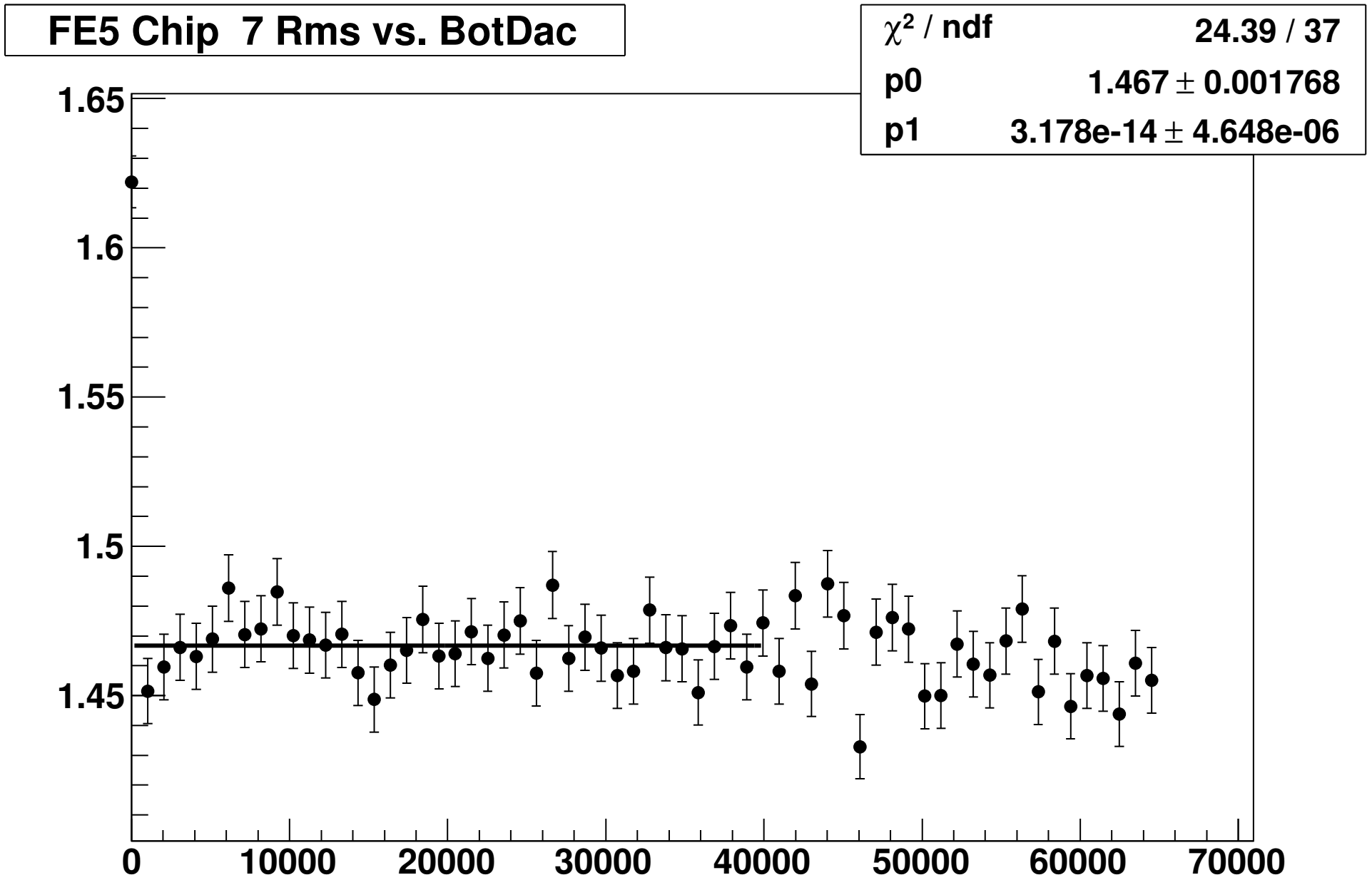
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 24.39 / 37
p0 1.467 ± 0.001768
p1 3.178e-14 ± 4.648e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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30000
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50000
60000
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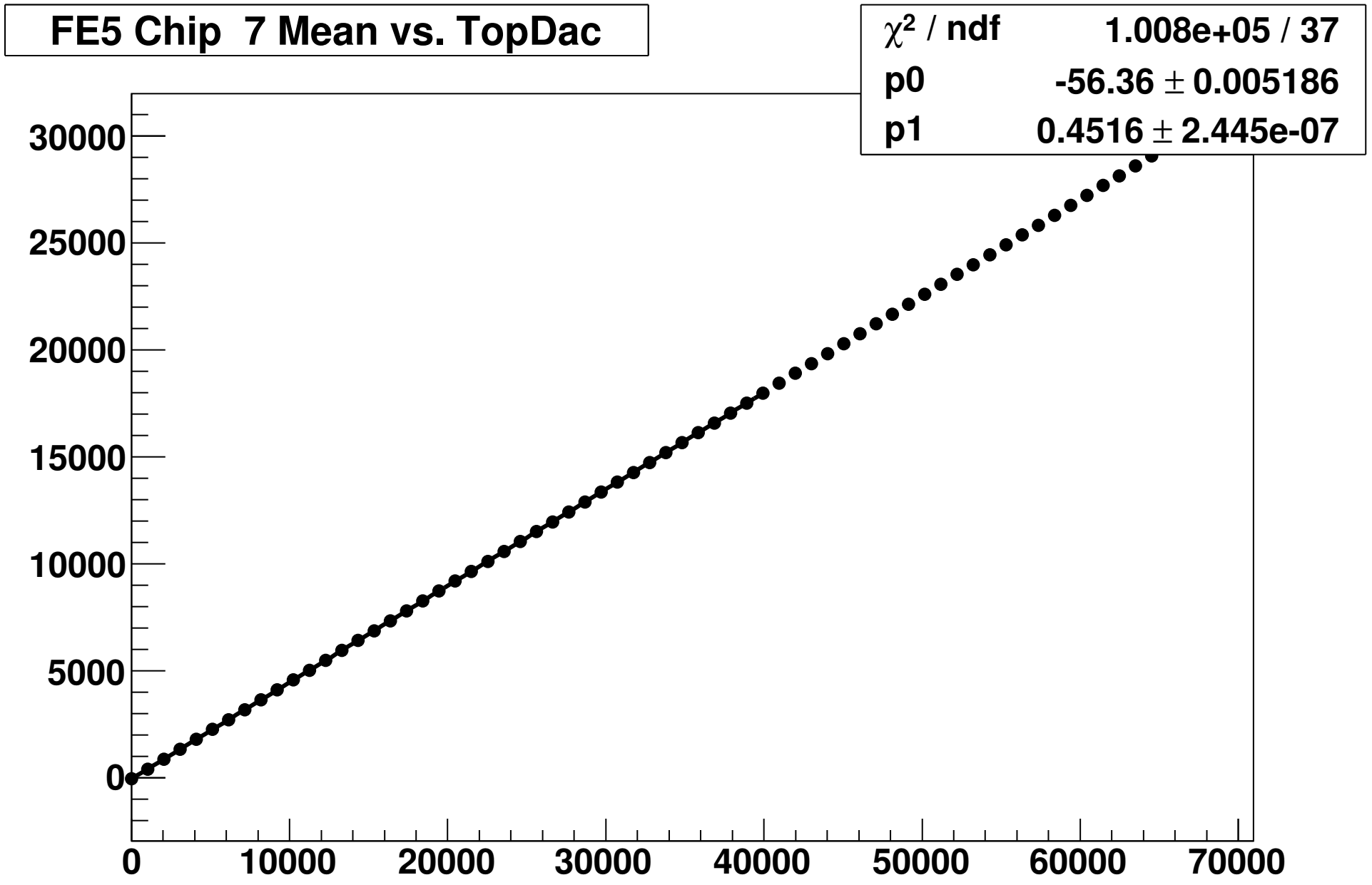
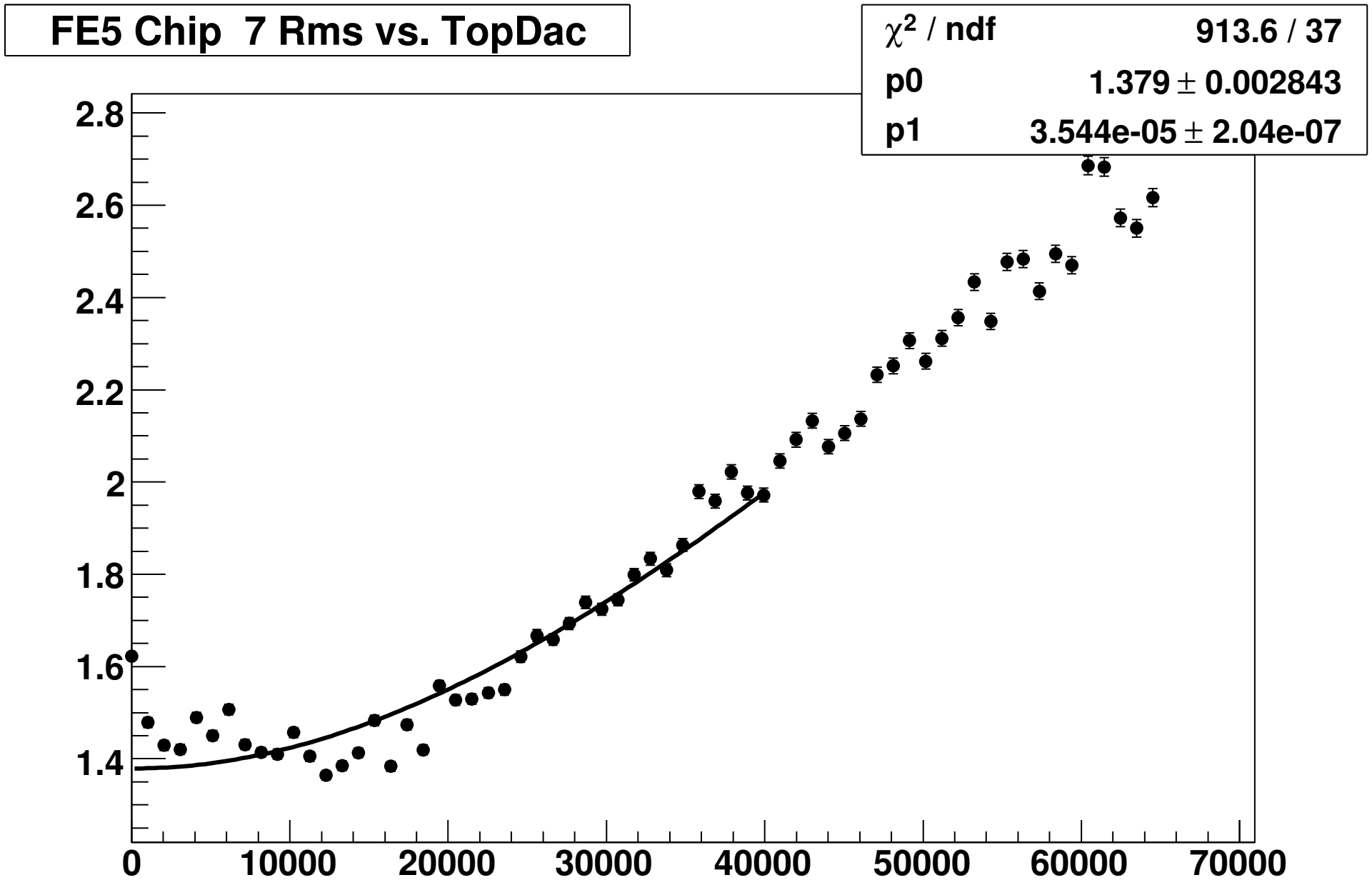

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.008e+05 / 37
p0 -56.36 ± 0.005186
p1 0.4516 ± 2.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 913.6 / 37
p0 1.379 ± 0.002843
p1 3.544e-05 ± 2.04e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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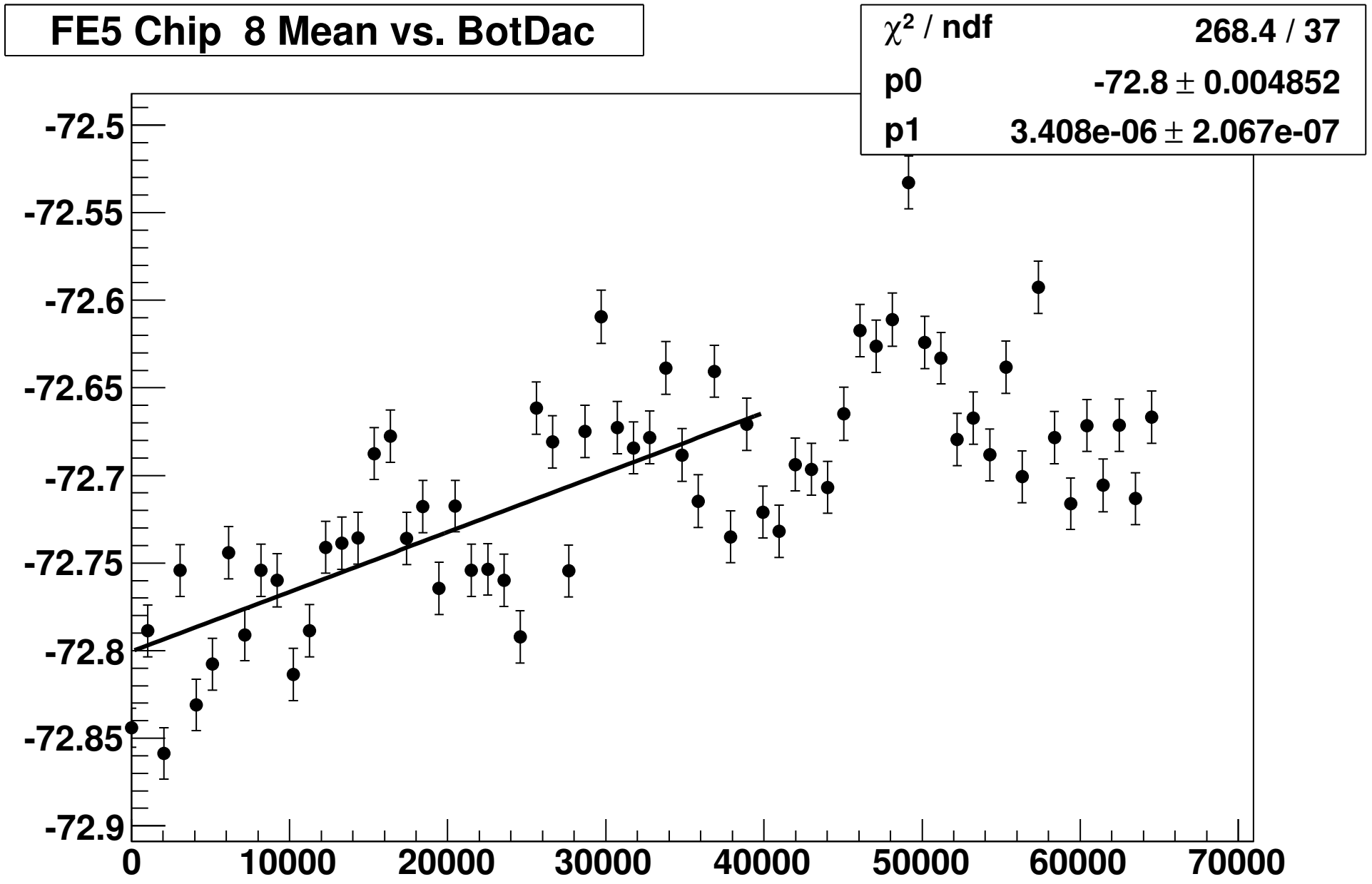
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 268.4 / 37
p0 -72.8 ± 0.004852
p1 3.408e-06 ± 2.067e-07
-72.5
-72.55
-72.6
-72.65
-72.7
-72.75
-72.8
-72.85
-72.9
0
10000
20000
30000
40000
50000
60000
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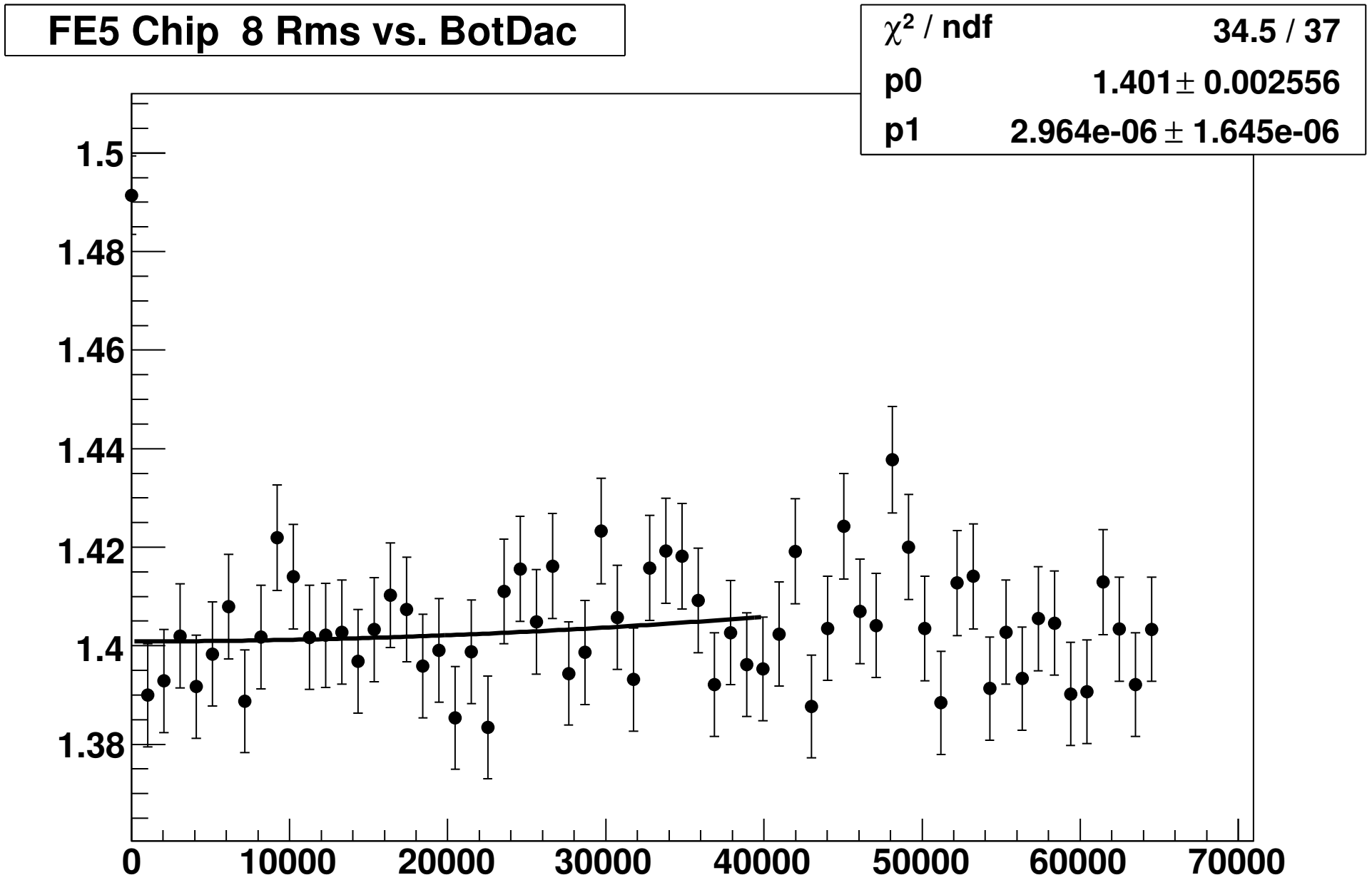
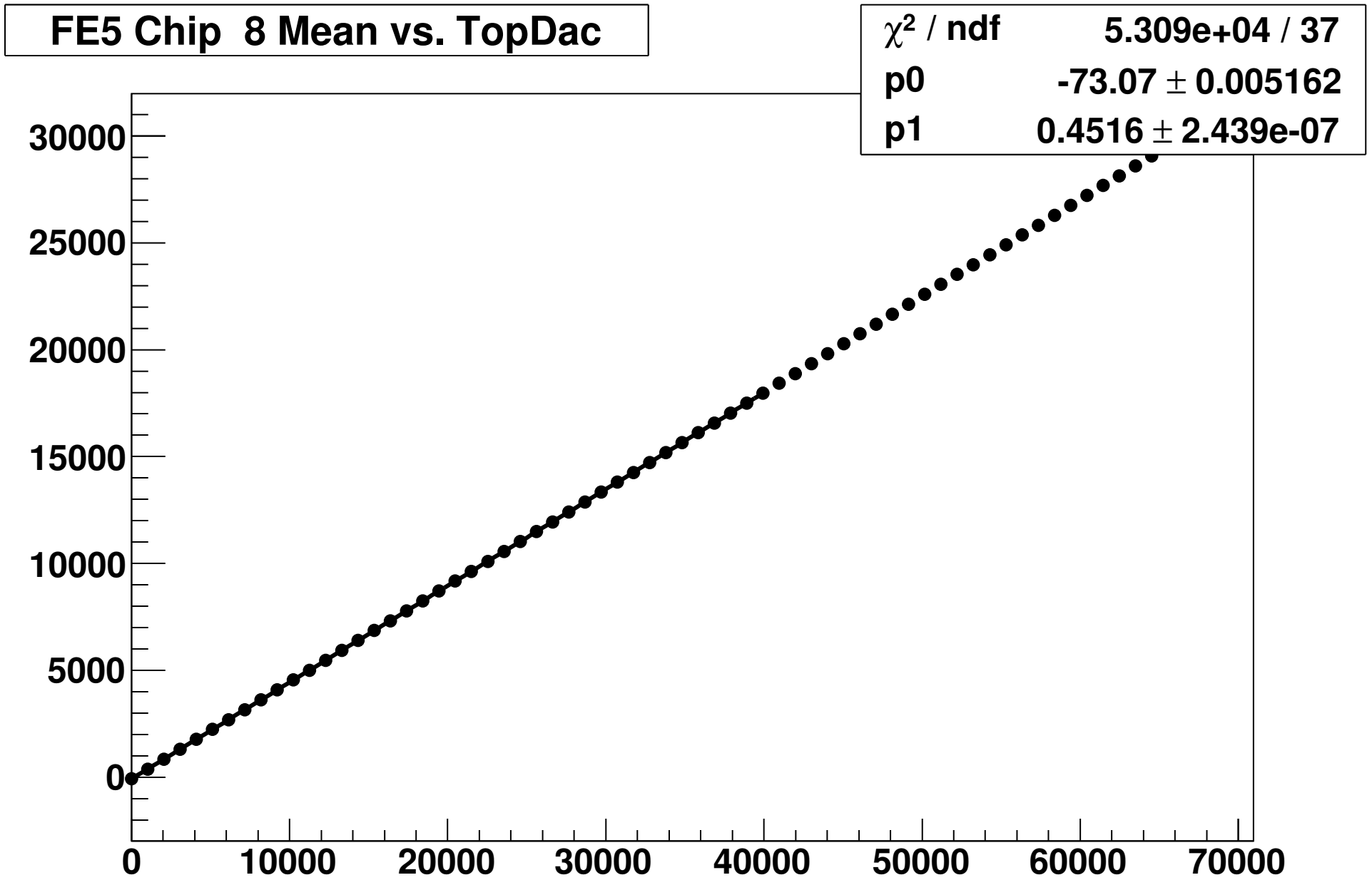
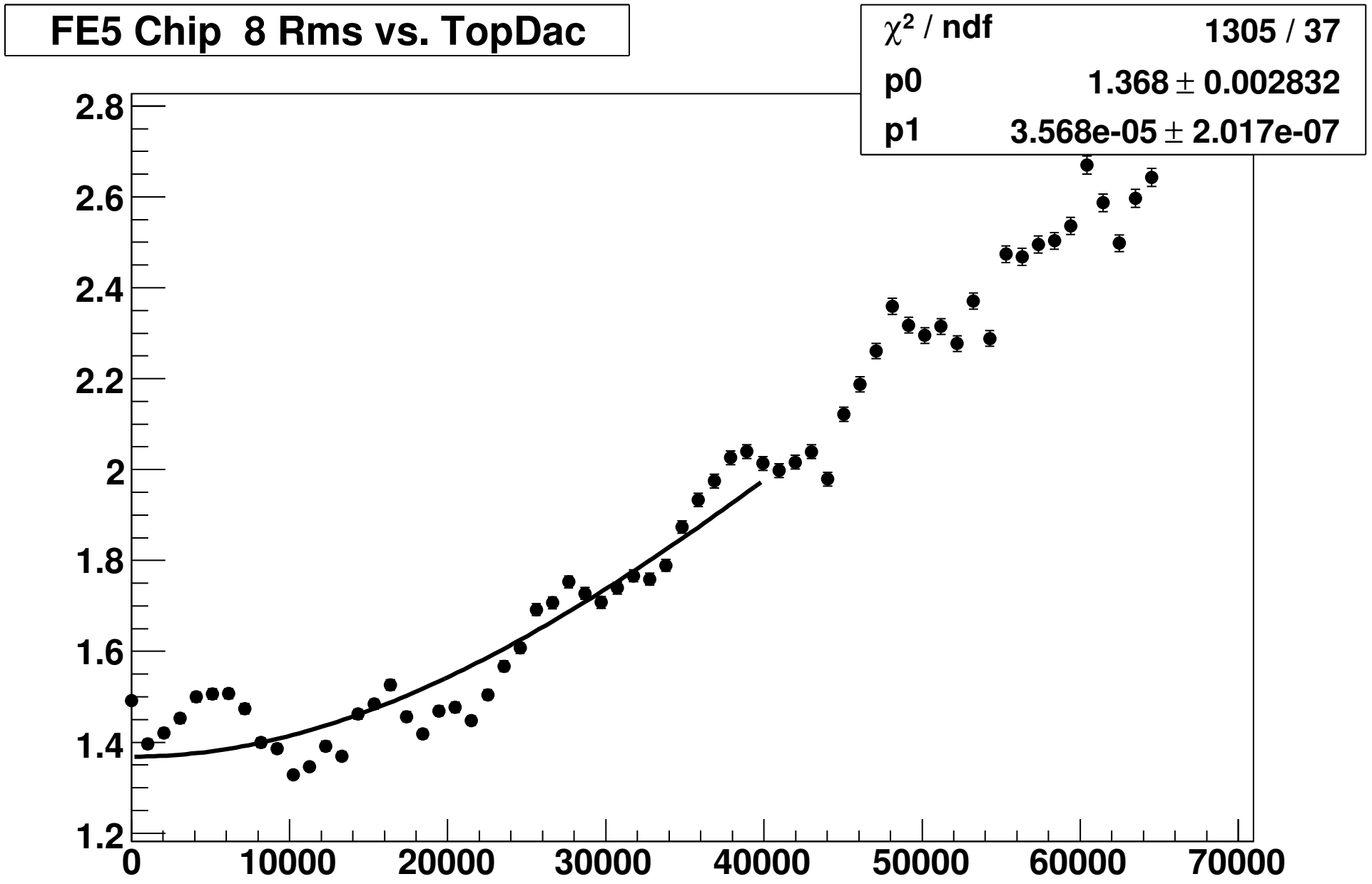

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 34.5 / 37
p0 1.401 ± 0.002556
p1 2.964e-06 ± 1.645e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.309e+04 / 37
p0 -73.07 ± 0.005162
p1 0.4516 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1305 / 37
p0 1.368 ± 0.002832
p1 3.568e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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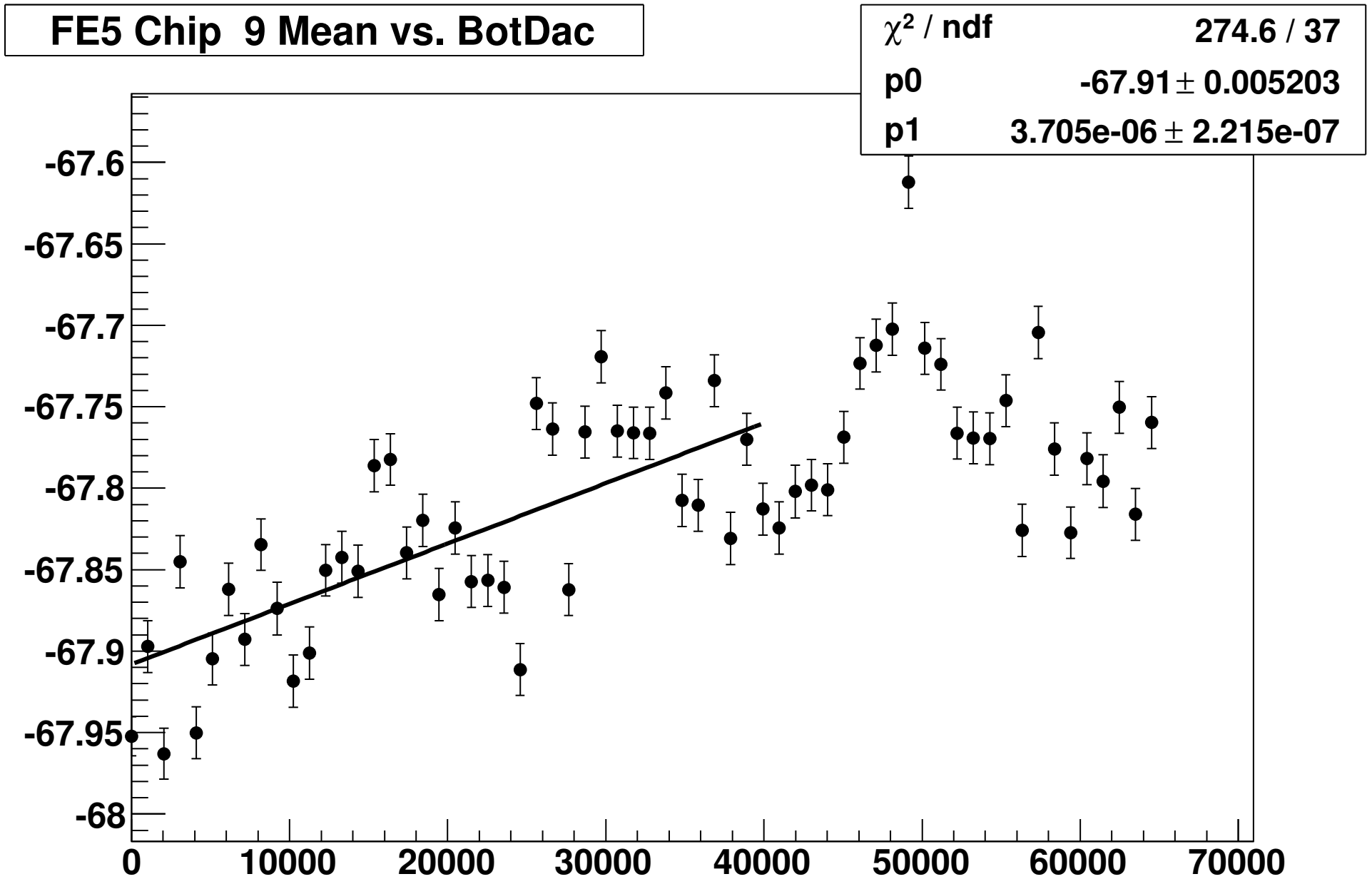
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 274.6 / 37
p0 -67.91 ± 0.005203
p1 3.705e-06 ± 2.215e-07
-67.6
-67.65
-67.7
-67.75
-67.8
-67.85
-67.9
-67.95
-68
0
10000
20000
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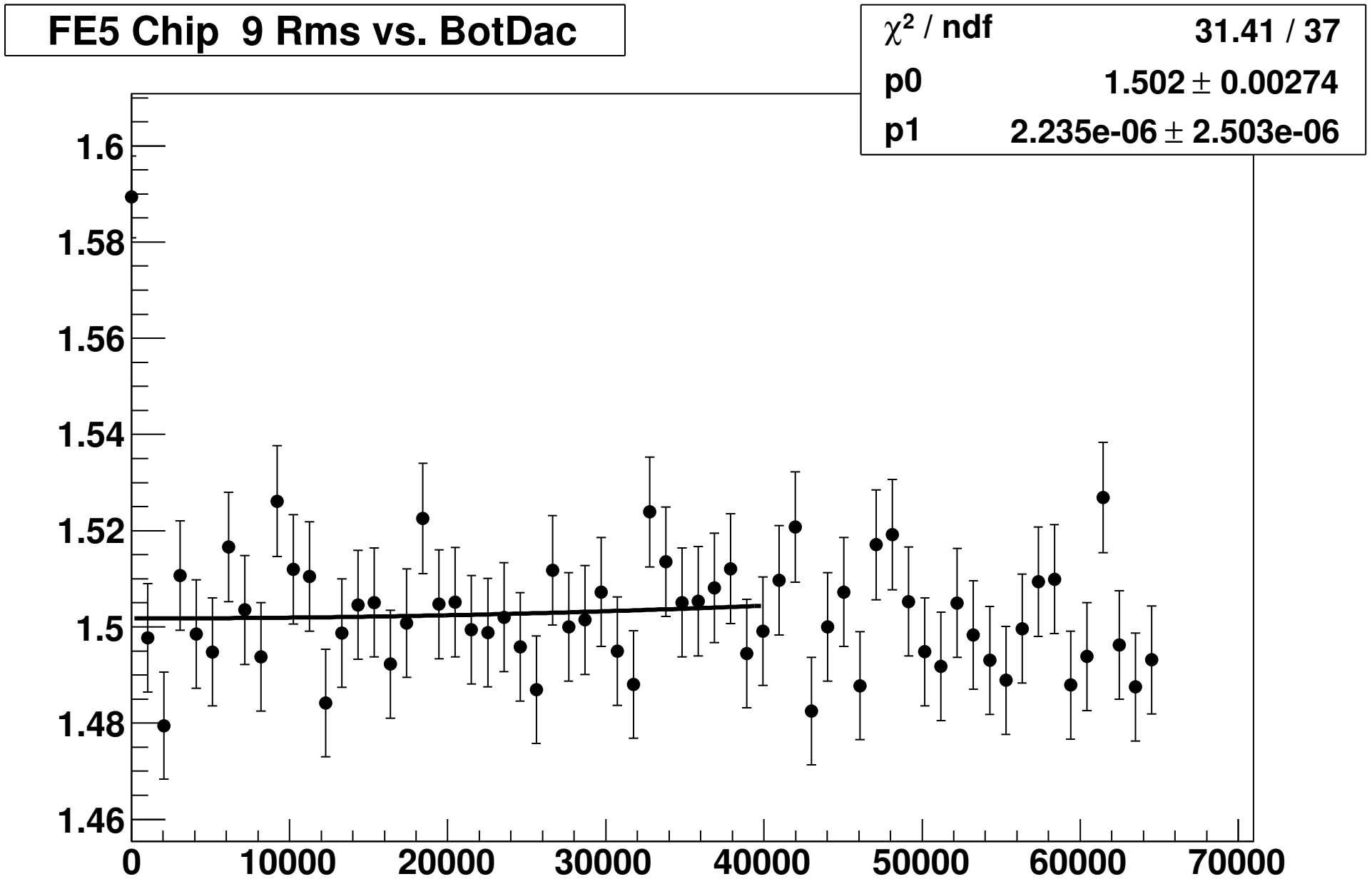
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 31.41 / 37
p0 1.502 ± 0.00274
p1 2.235e-06 ± 2.503e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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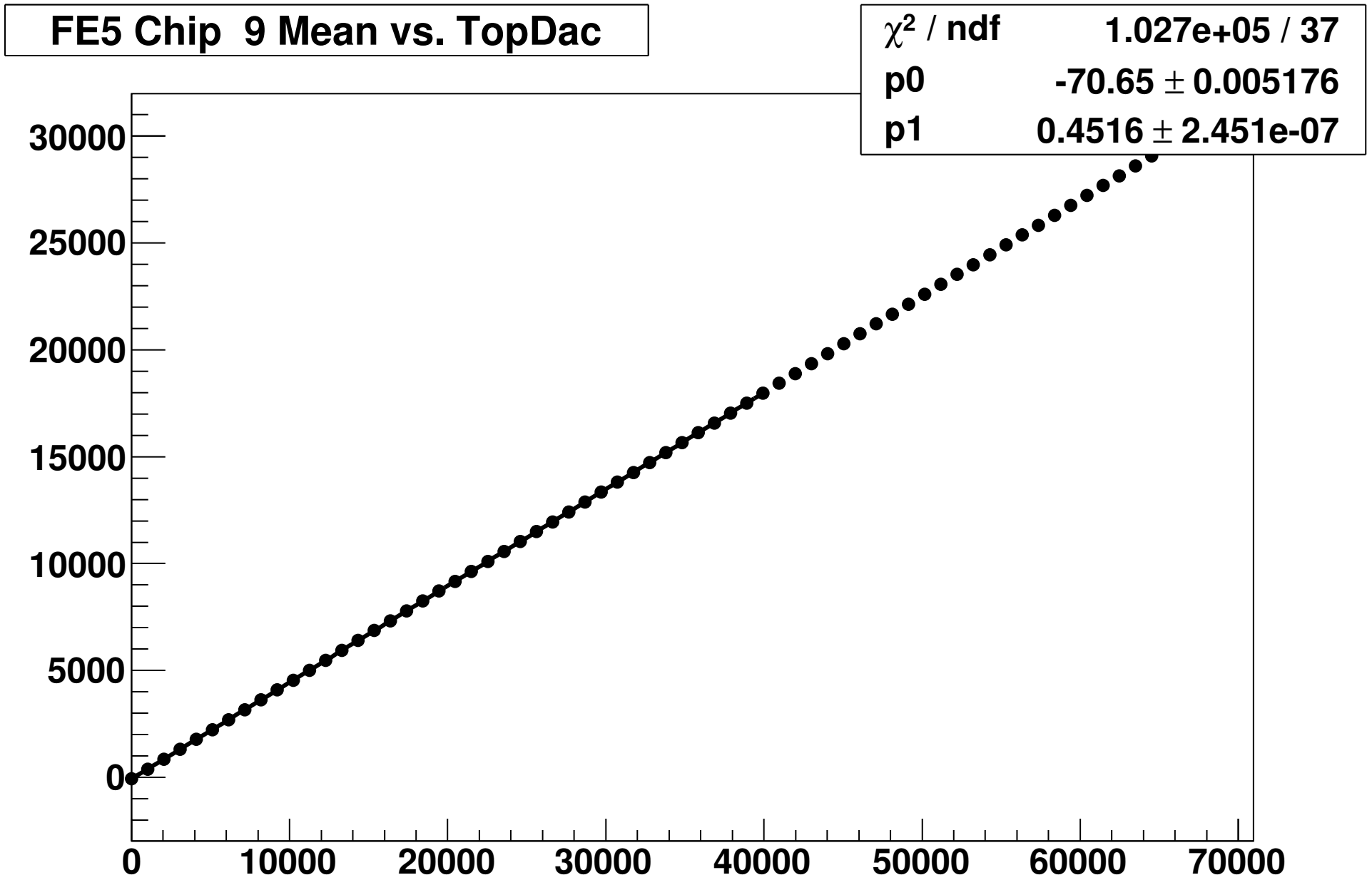
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.027e+05 / 37
p0 -70.65 ± 0.005176
p1 0.4516 ± 2.451e-07
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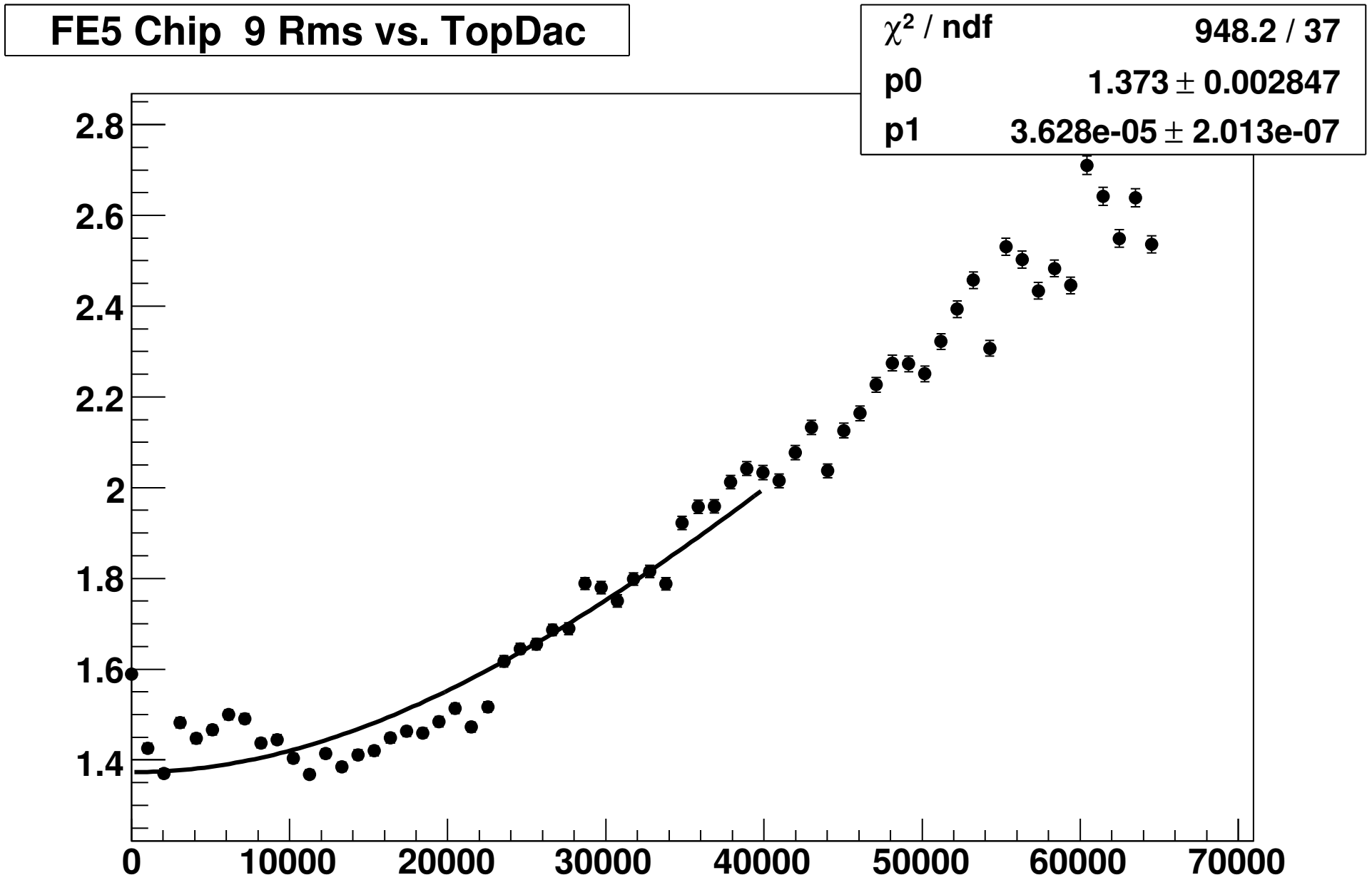
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 948.2 / 37
p0 1.373 ± 0.002847
p1 3.628e-05 ± 2.013e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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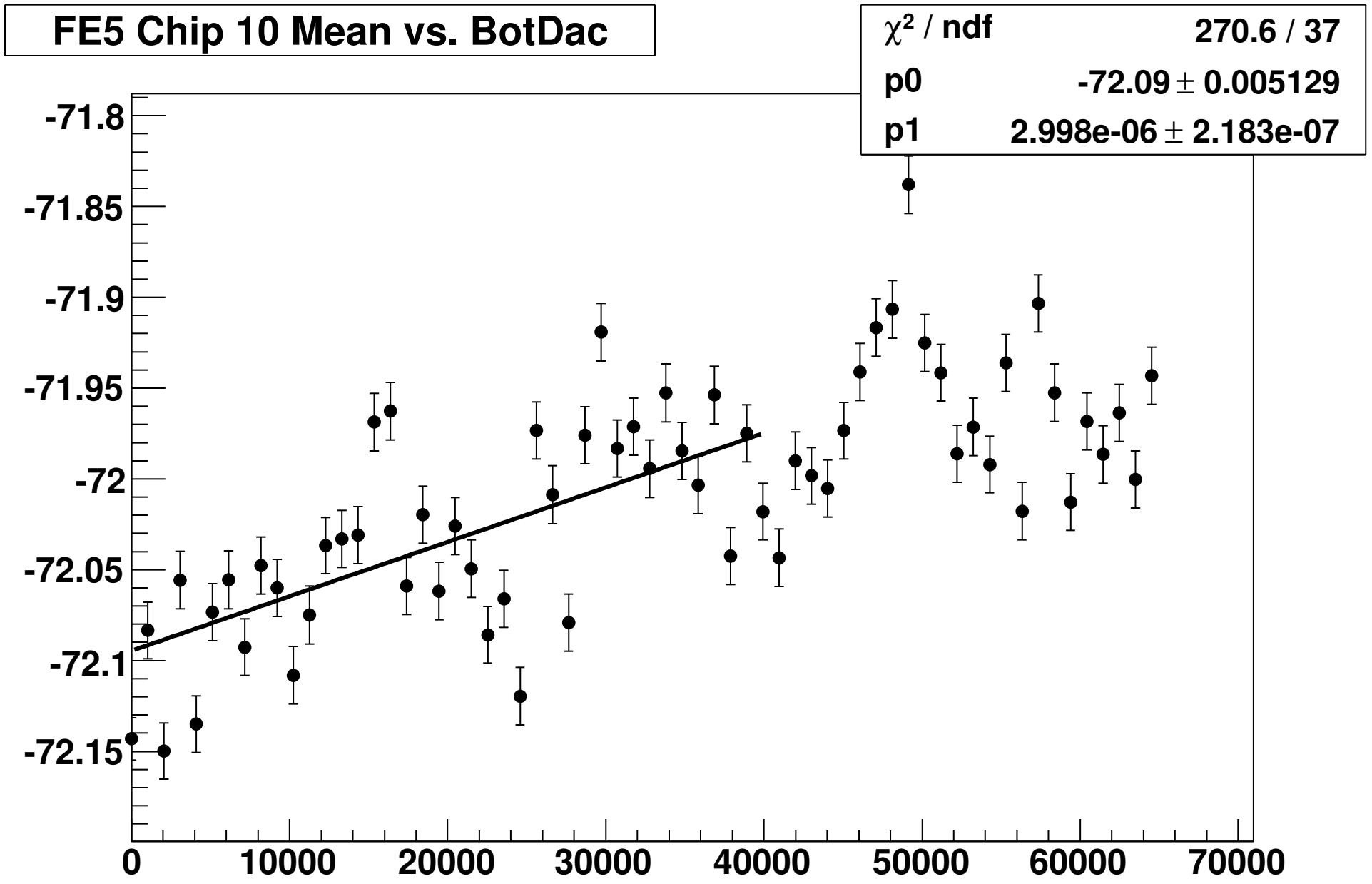
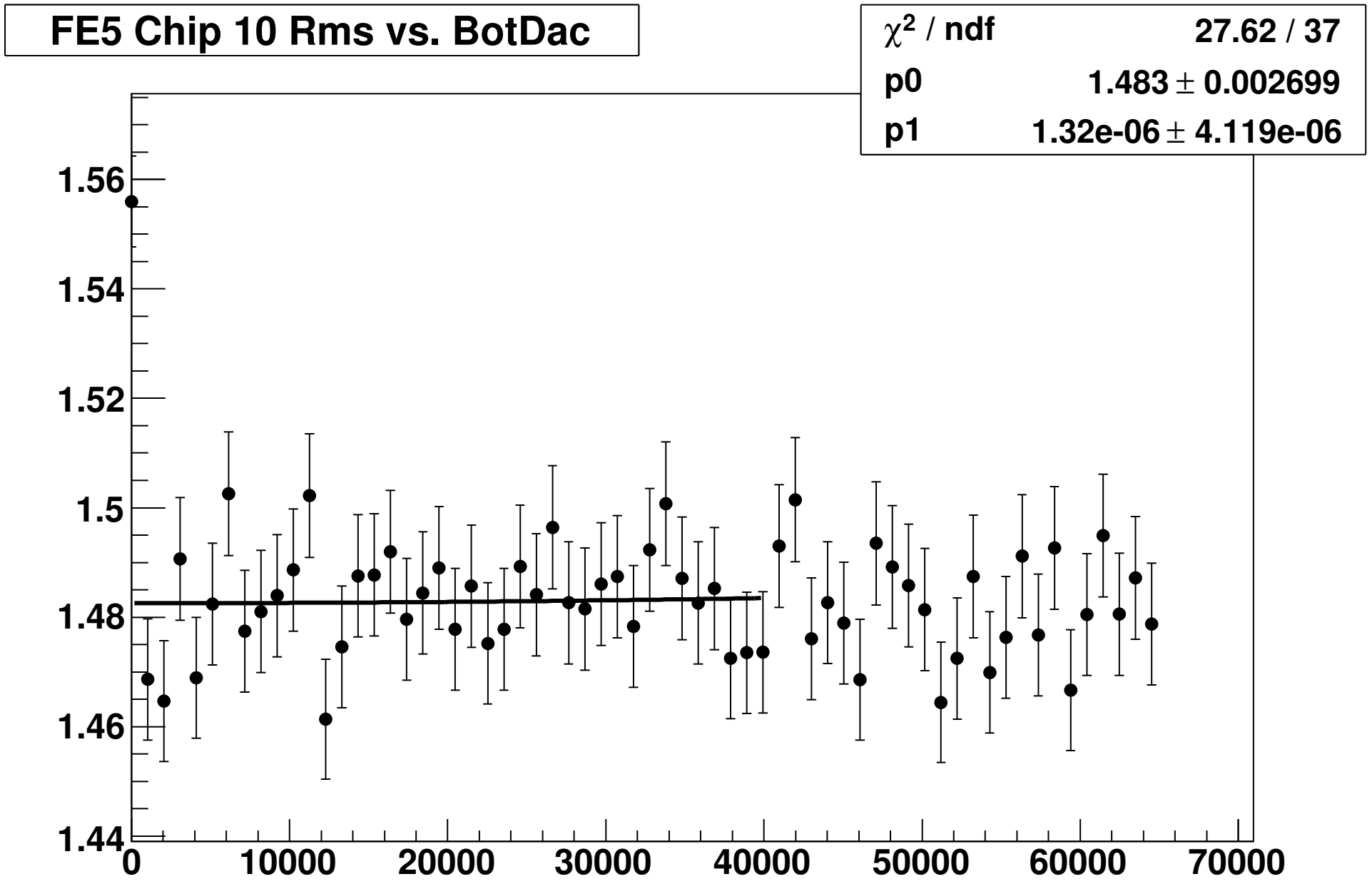

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 270.6 / 37
p0 -72.09 ± 0.005129
p1 2.998e-06 ± 2.183e-07
-71.8
-71.85
-71.9
-71.95
-72
-72.05
-72.1
-72.15
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 27.62 / 37
p0 1.483 ± 0.002699
p1 1.32e-06 ± 4.119e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
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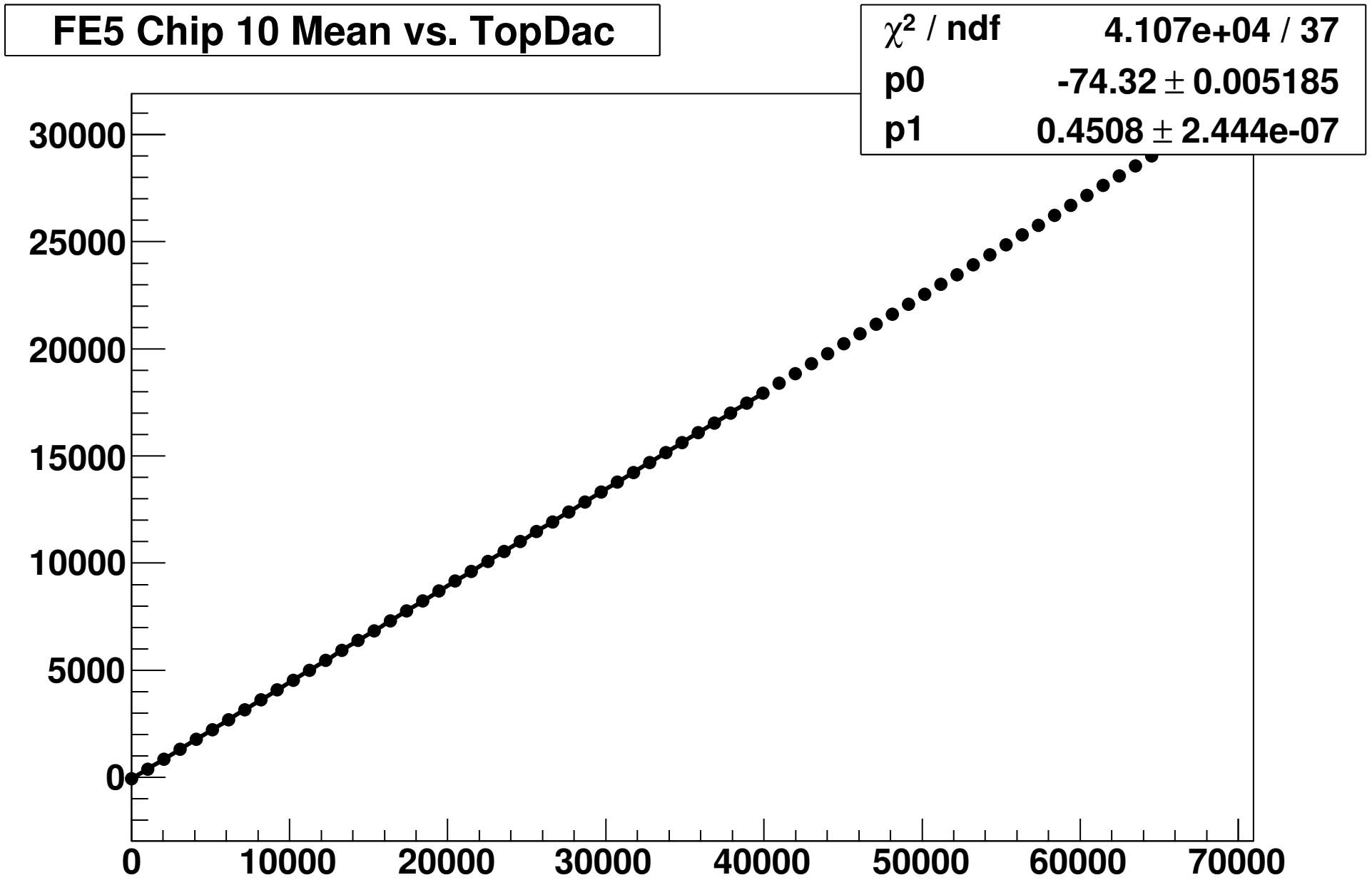
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 4.107e+04 / 37
p0 -74.32 ± 0.005185
p1 0.4508 ± 2.444e-07
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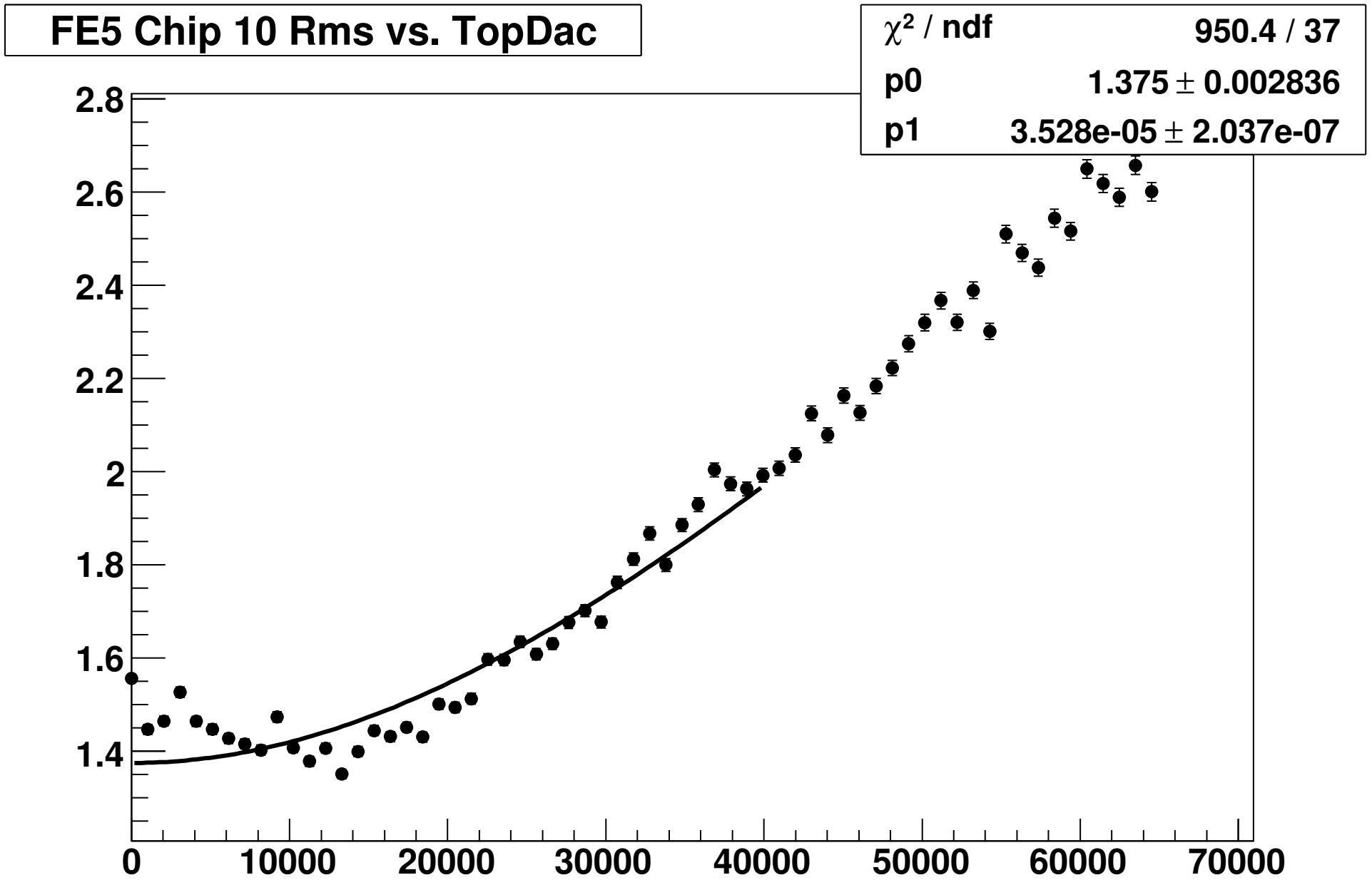
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 950.4 / 37
p0 1.375 ± 0.002836
p1 3.528e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
60000
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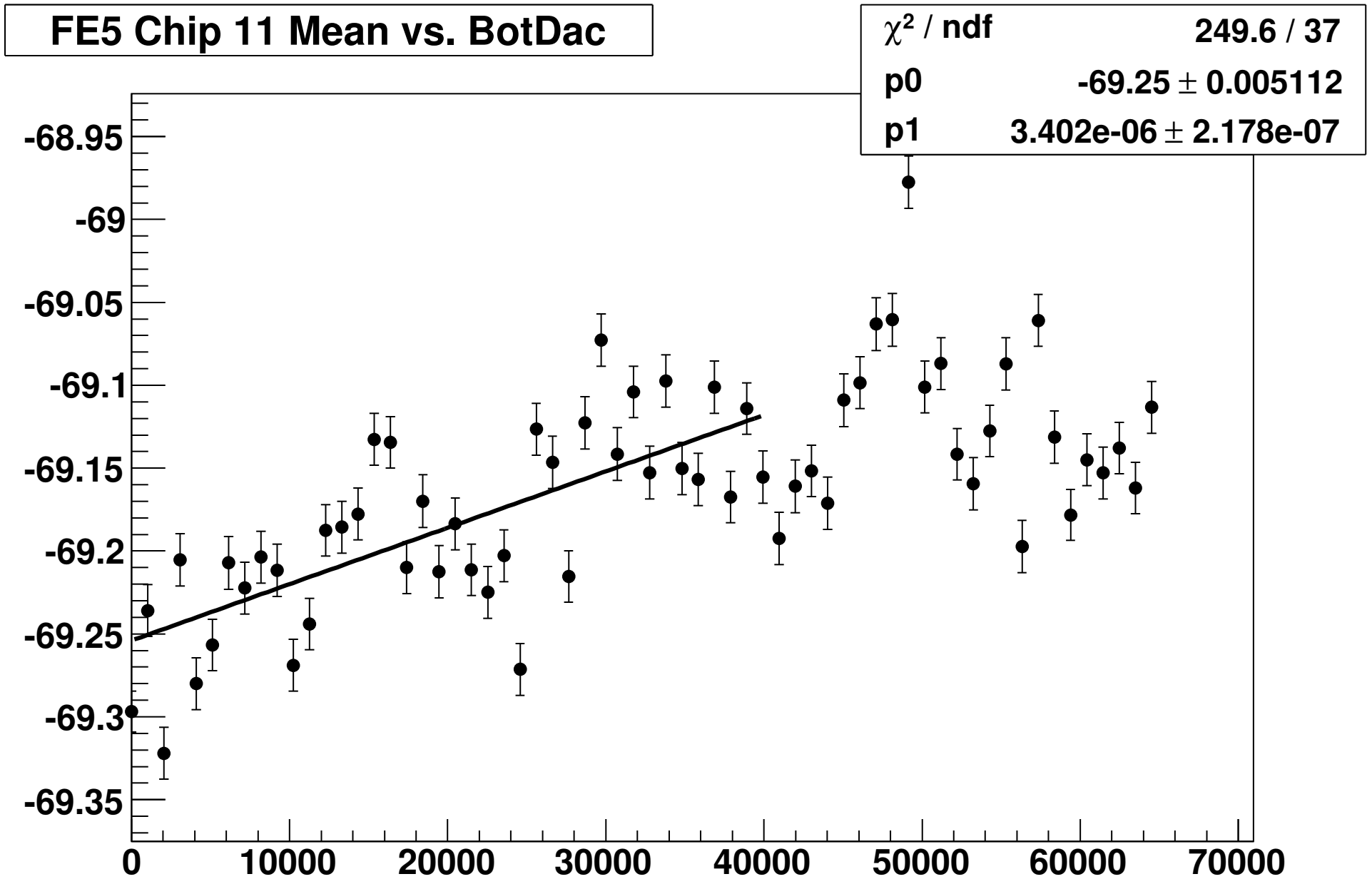
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 249.6 / 37
p0 -69.25 ± 0.005112
p1 3.402e-06 ± 2.178e-07
-68.95
-69
-69.05
-69.1
-69.15
-69.2
-69.25
-69.3
-69.35
0
10000
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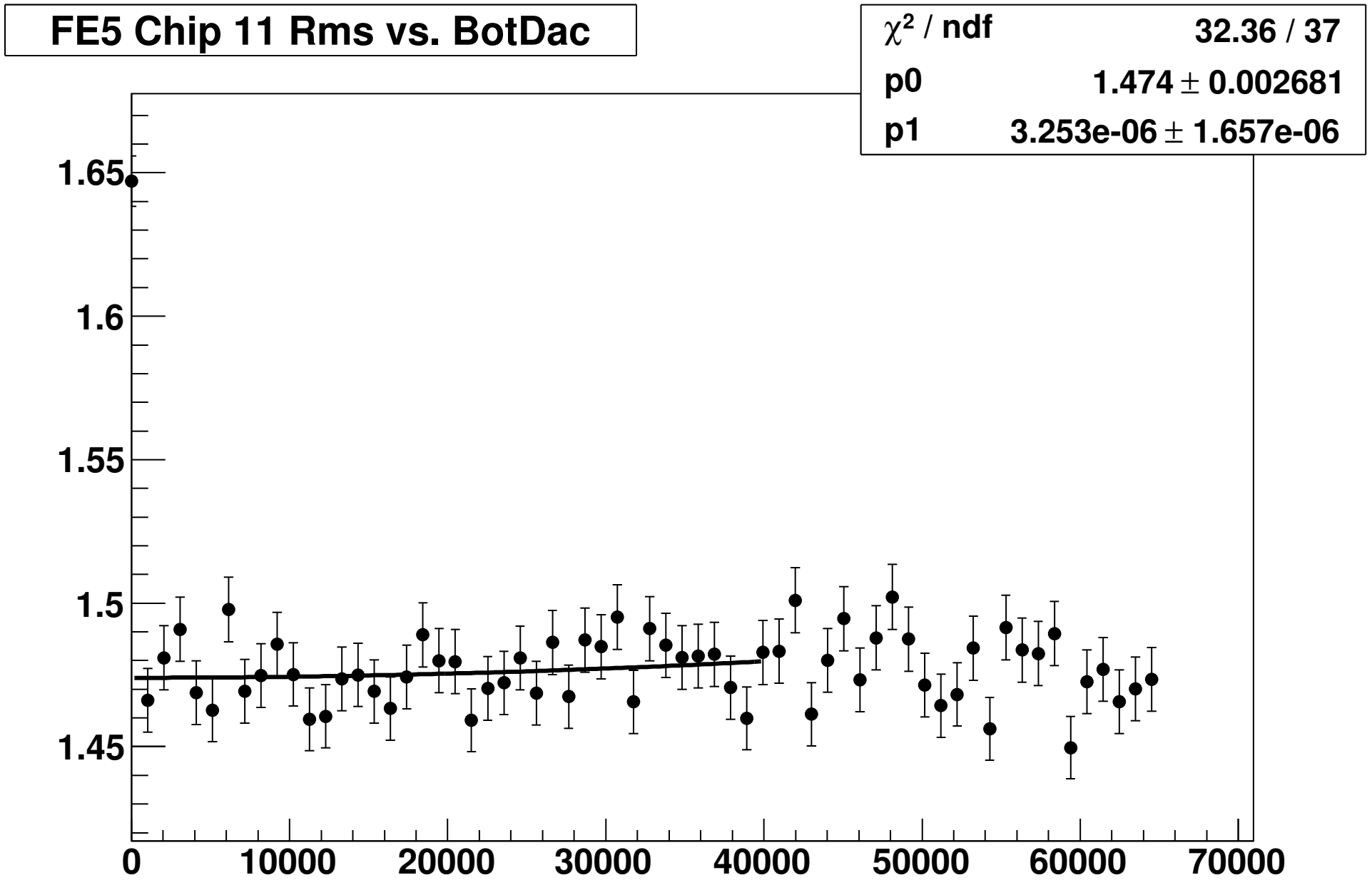
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 32.36 / 37
p0 1.474 ± 0.002681
p1 3.253e-06 ± 1.657e-06
1.65
1.6
1.55
1.5
1.45
0
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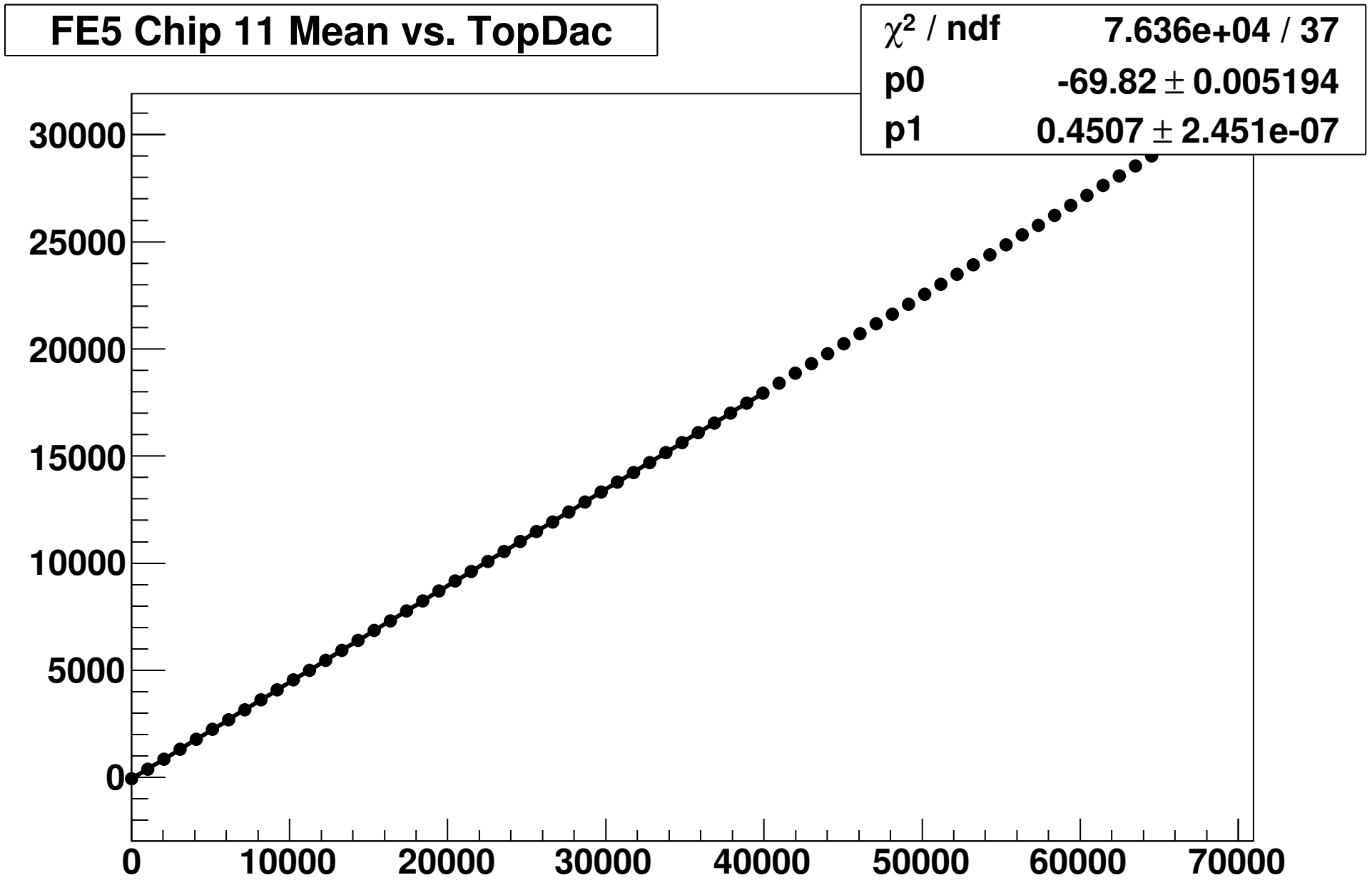
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 7.636e+04 / 37
p0 -69.82 ± 0.005194
p1 0.4507 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
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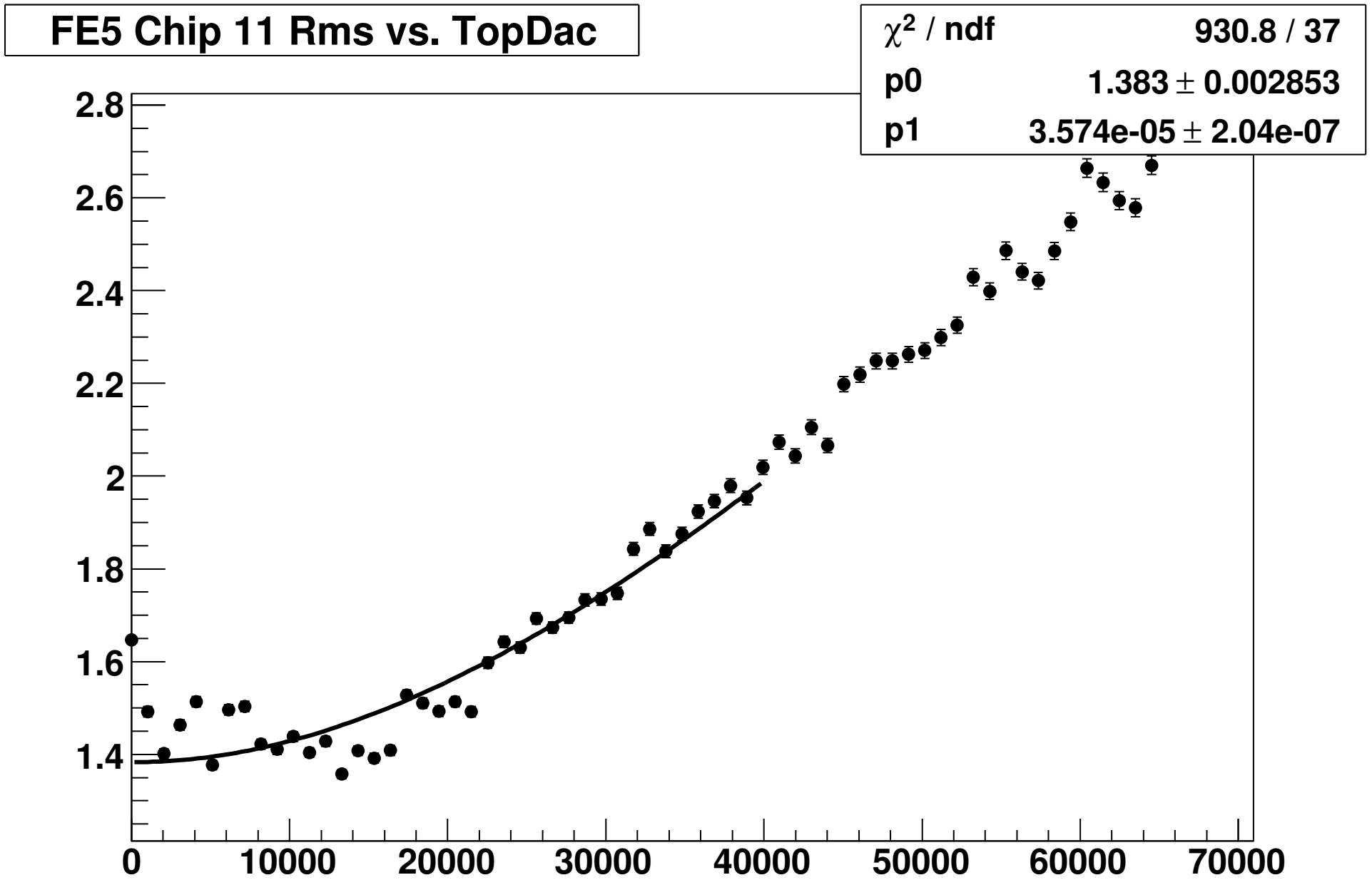
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 930.8 / 37
p0 1.383 ± 0.002853
p1 3.574e-05 ± 2.04e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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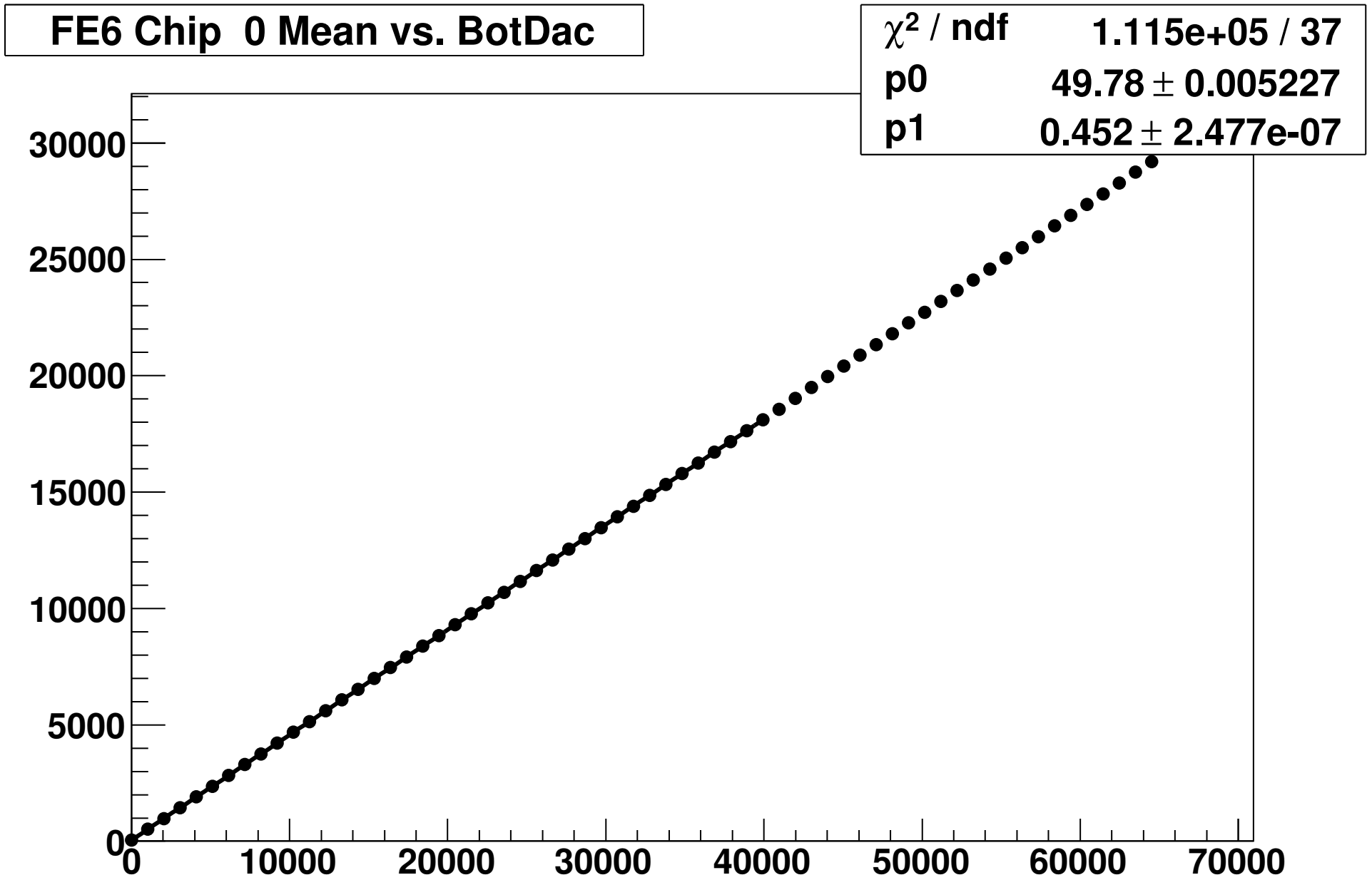
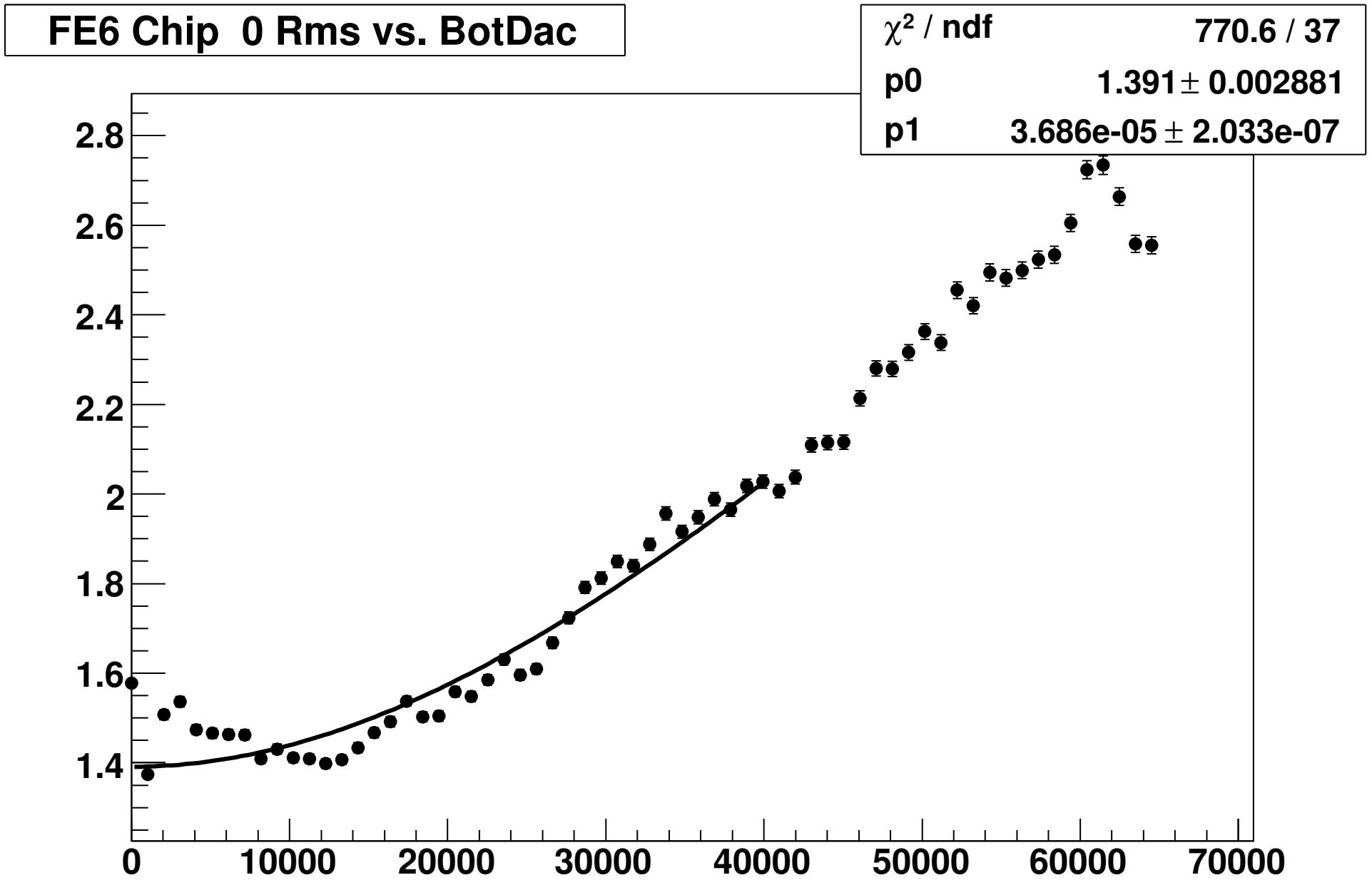

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.115e+05 / 37
p0 49.78 ± 0.005227
p1 0.452 ± 2.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 770.6 / 37
p0 1.391 ± 0.002881
p1 3.686e-05 ± 2.033e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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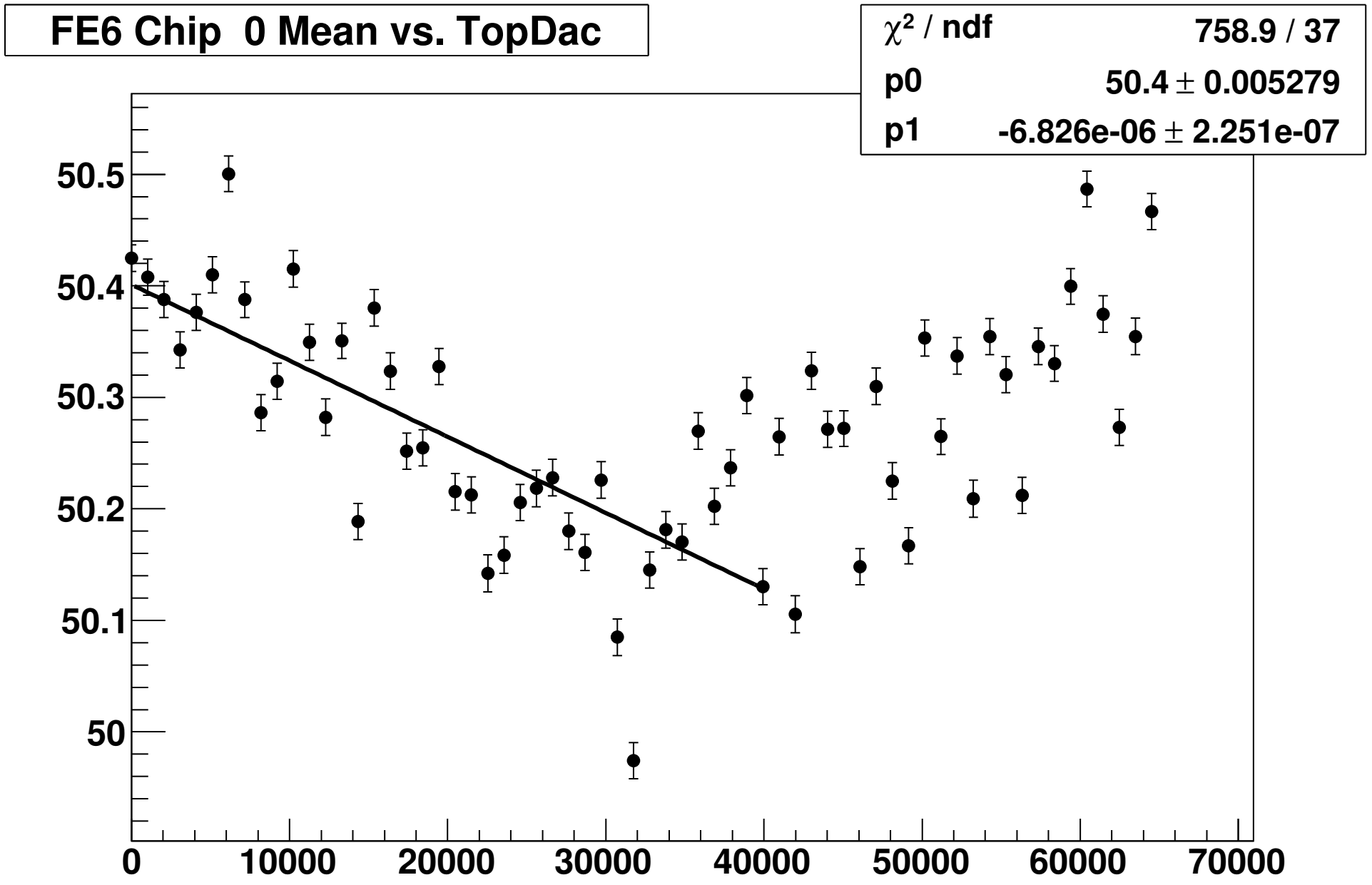
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 758.9 / 37
p0 50.4 ± 0.005279
p1 -6.826e-06 ± 2.251e-07
50.5
50.4
50.3
50.2
50.1
50
0
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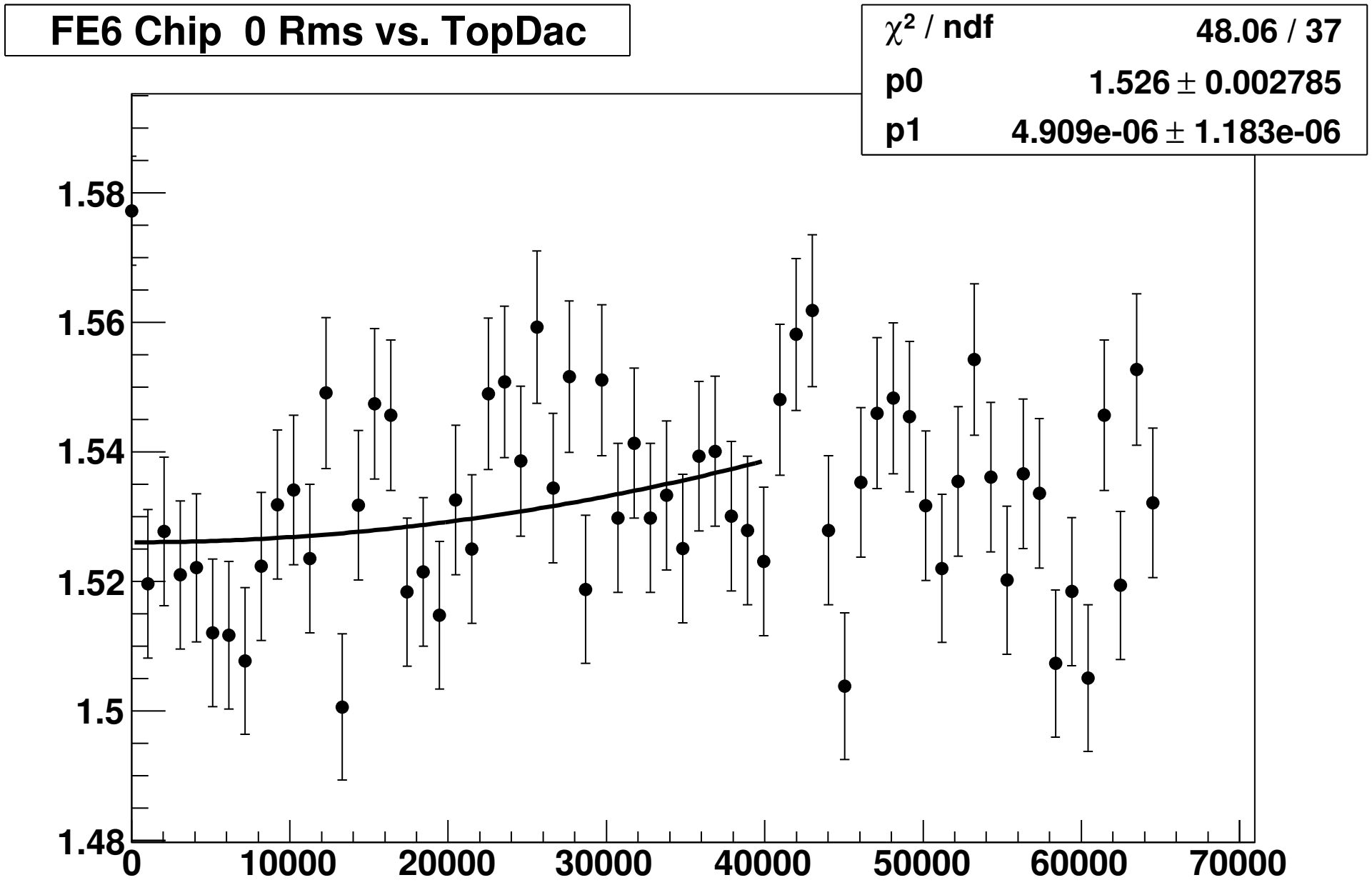
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 48.06 / 37
p0 1.526 ± 0.002785
p1 4.909e-06 ± 1.183e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
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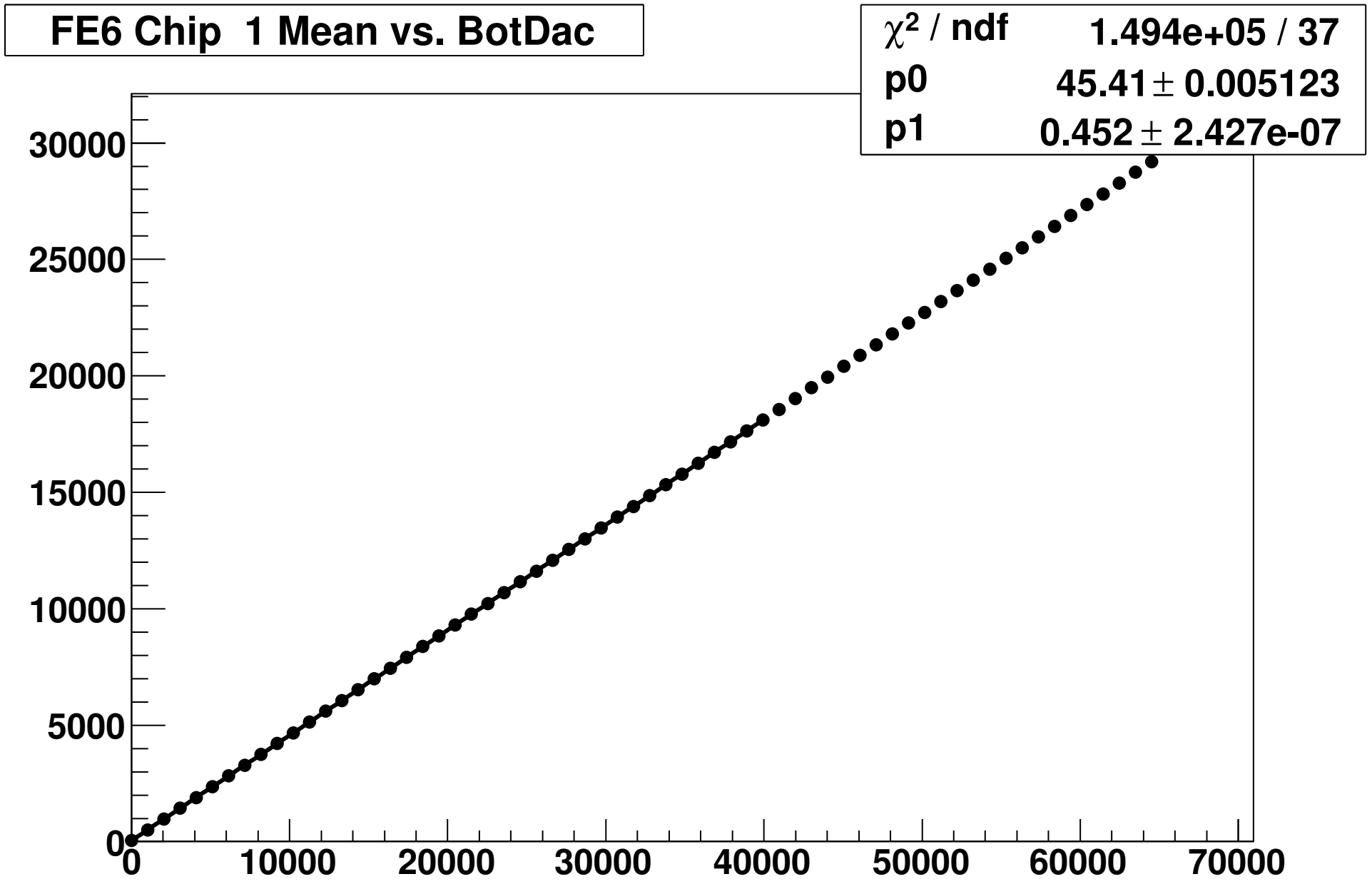
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.494e+05 / 37
p0 45.41 ± 0.005123
p1 0.452 ± 2.427e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
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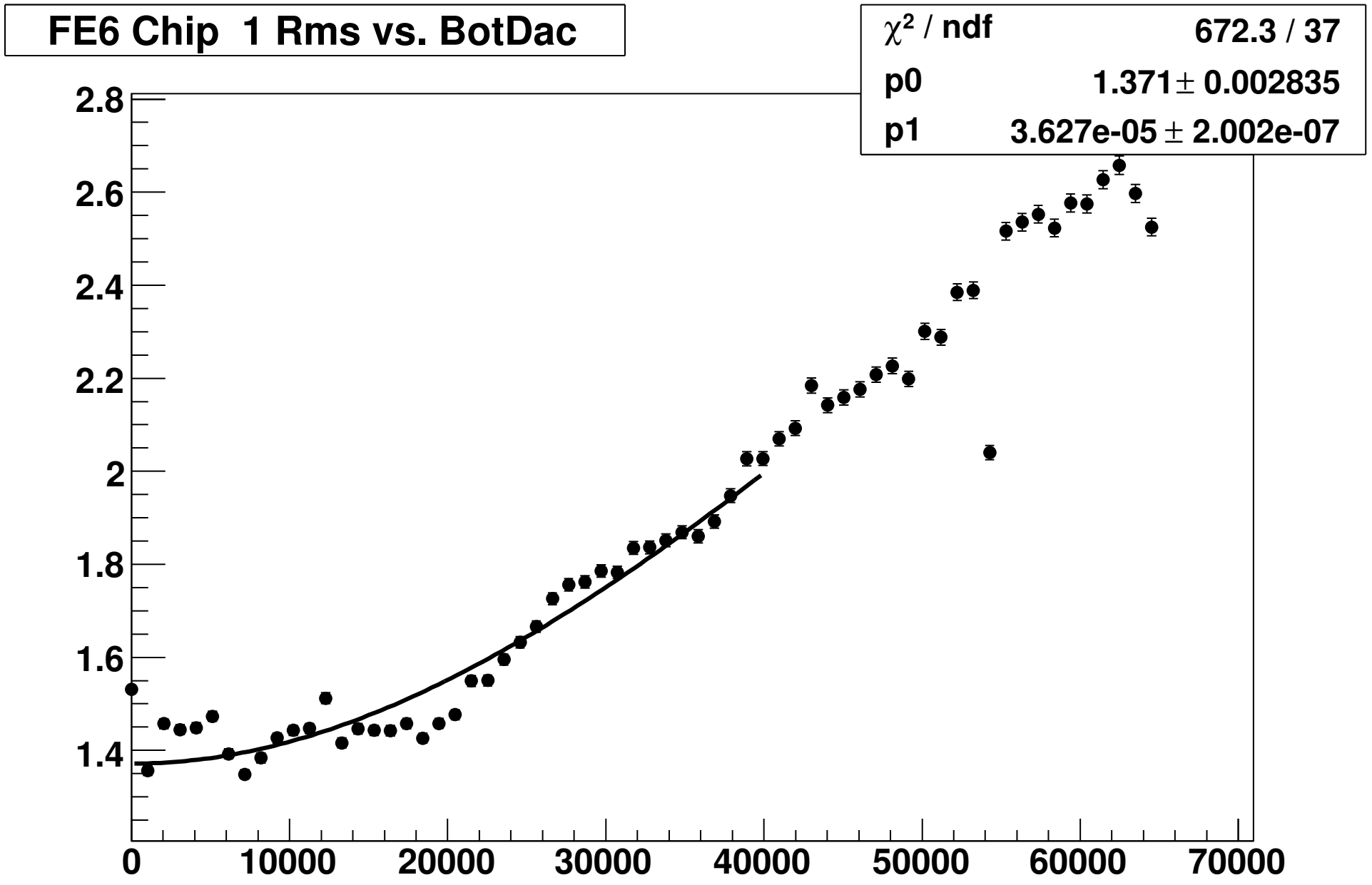
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 672.3 / 37
p0 1.371 ± 0.002835
p1 3.627e-05 ± 2.002e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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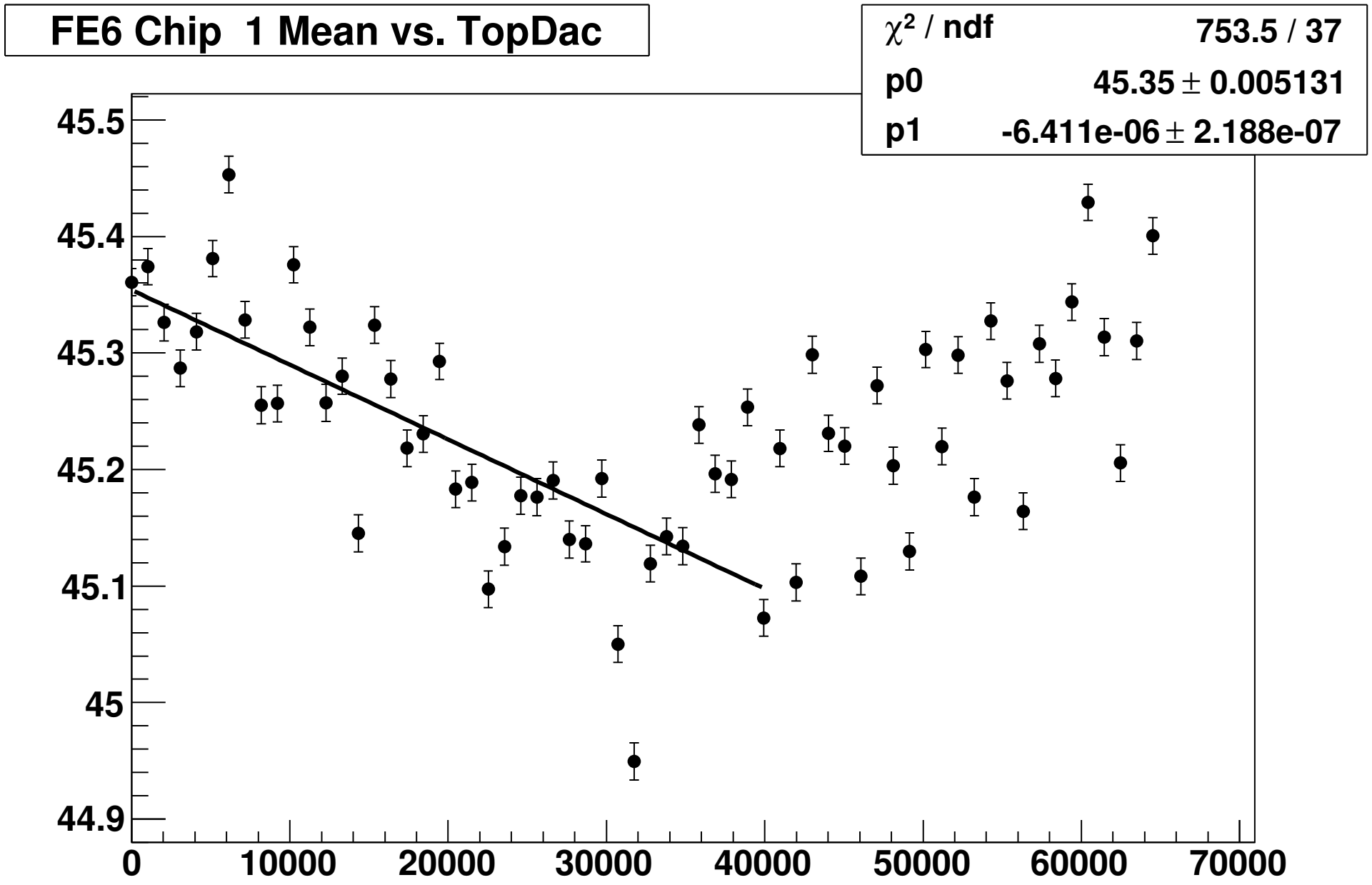
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 753.5 / 37
p0 45.35 ± 0.005131
p1 -6.411e-06 ± 2.188e-07
45.5
45.4
45.3
45.2
45.1
45
44.9
0
10000
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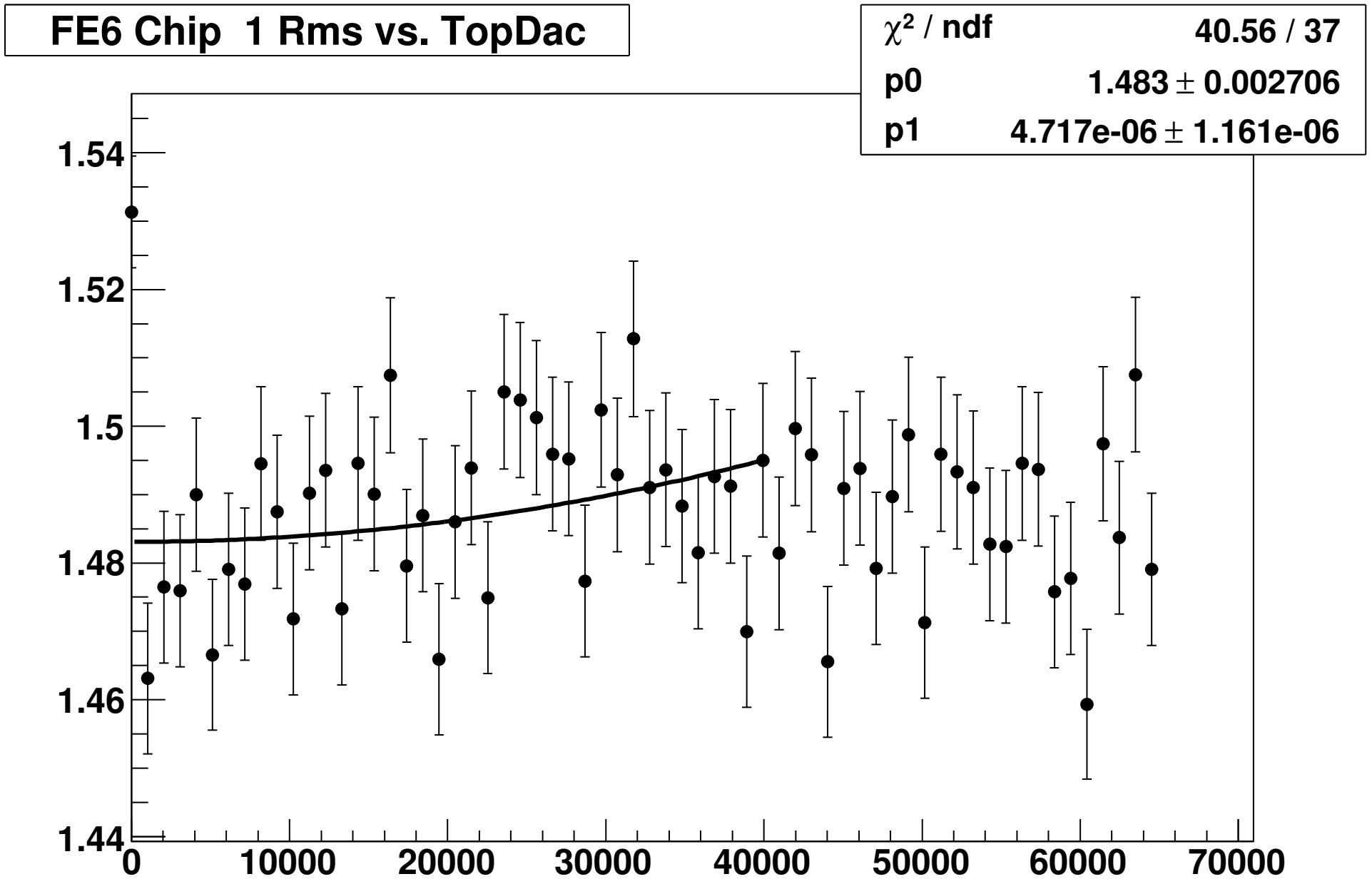
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 40.56 / 37
p0 1.483 ± 0.002706
p1 4.717e-06 ± 1.161e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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50000
60000
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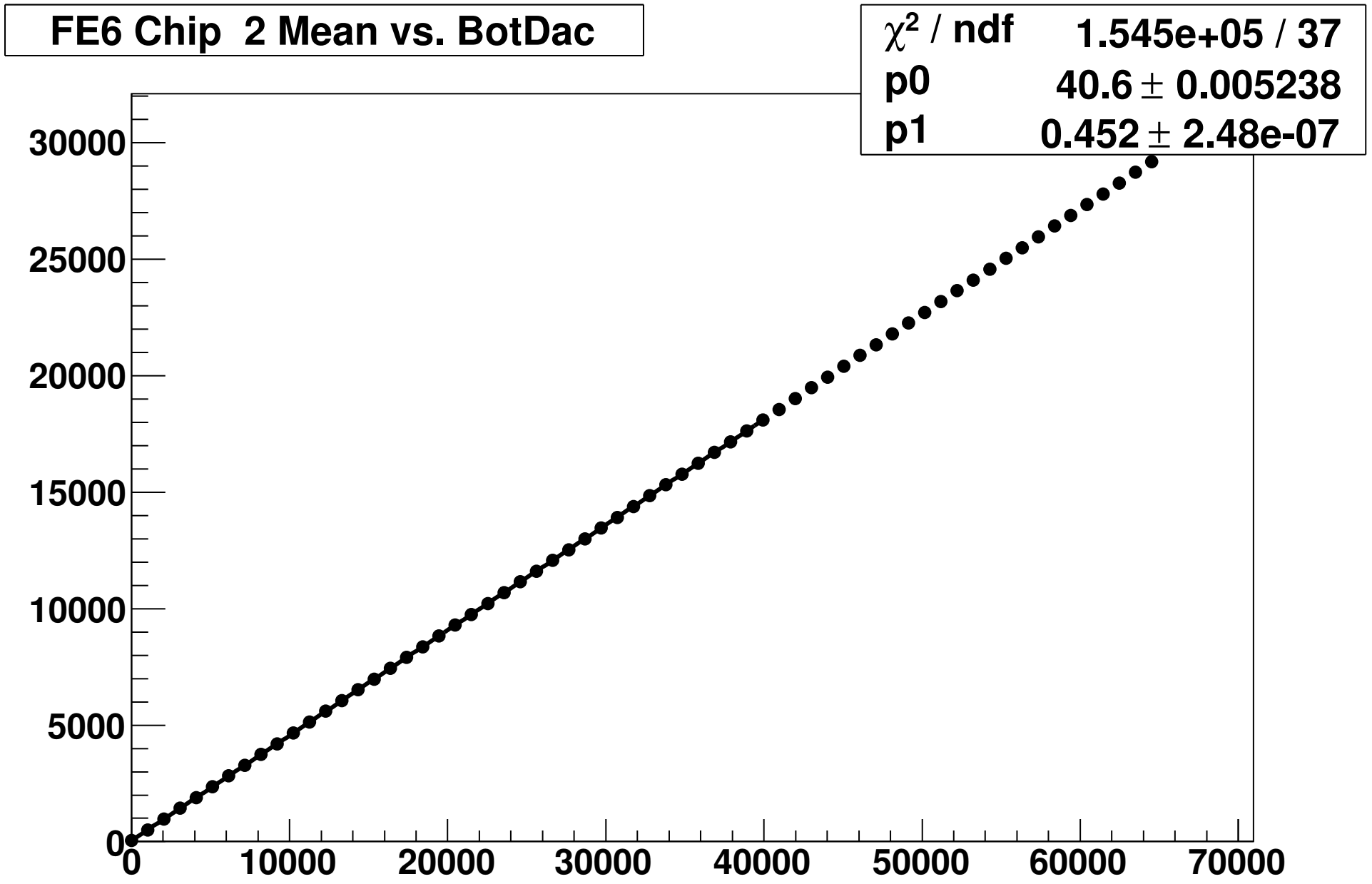
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.545e+05 / 37
p0 40.6 ± 0.005238
p1 0.452 ± 2.48e-07
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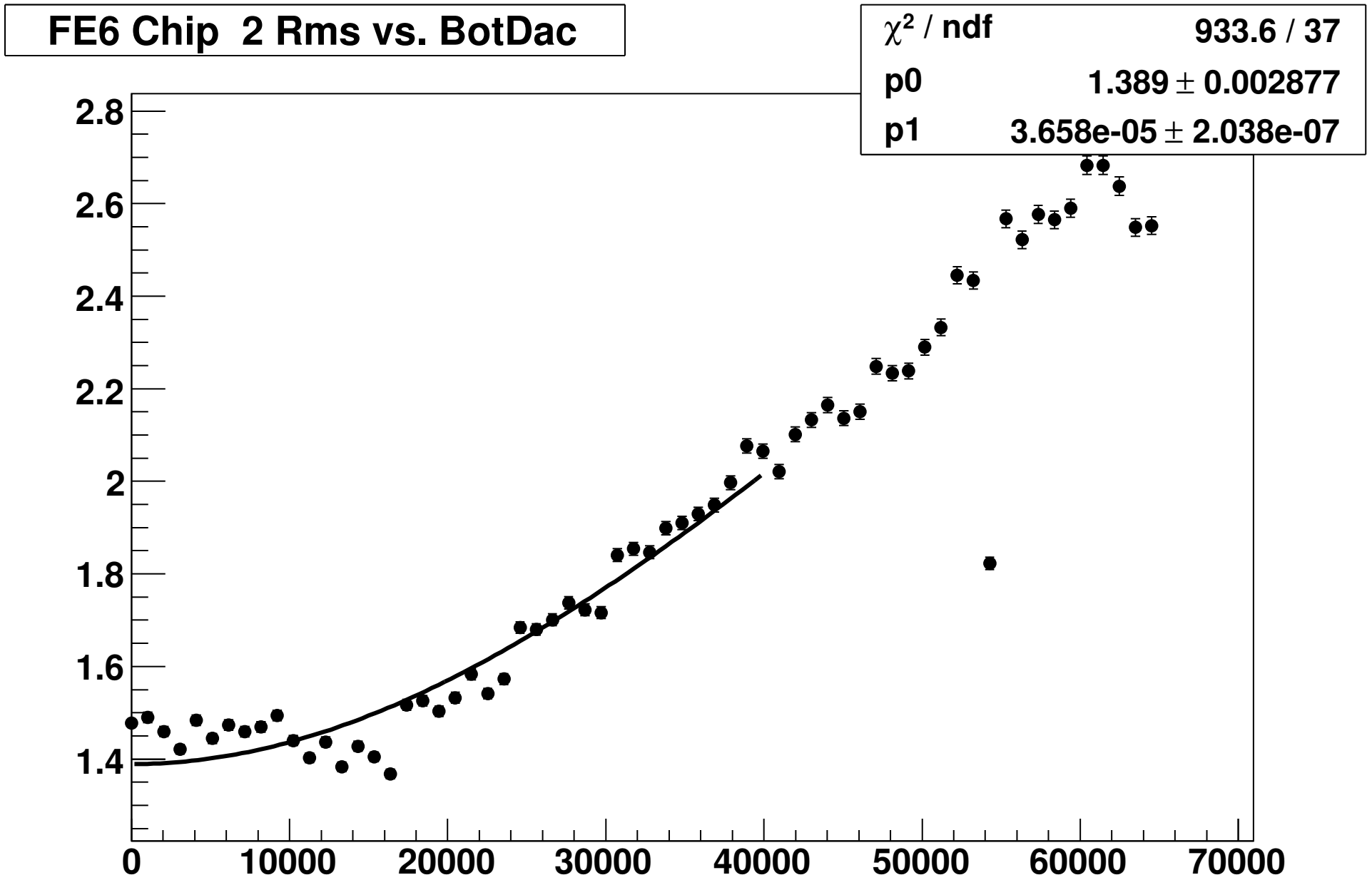
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 933.6 / 37
p0 1.389 ± 0.002877
p1 3.658e-05 ± 2.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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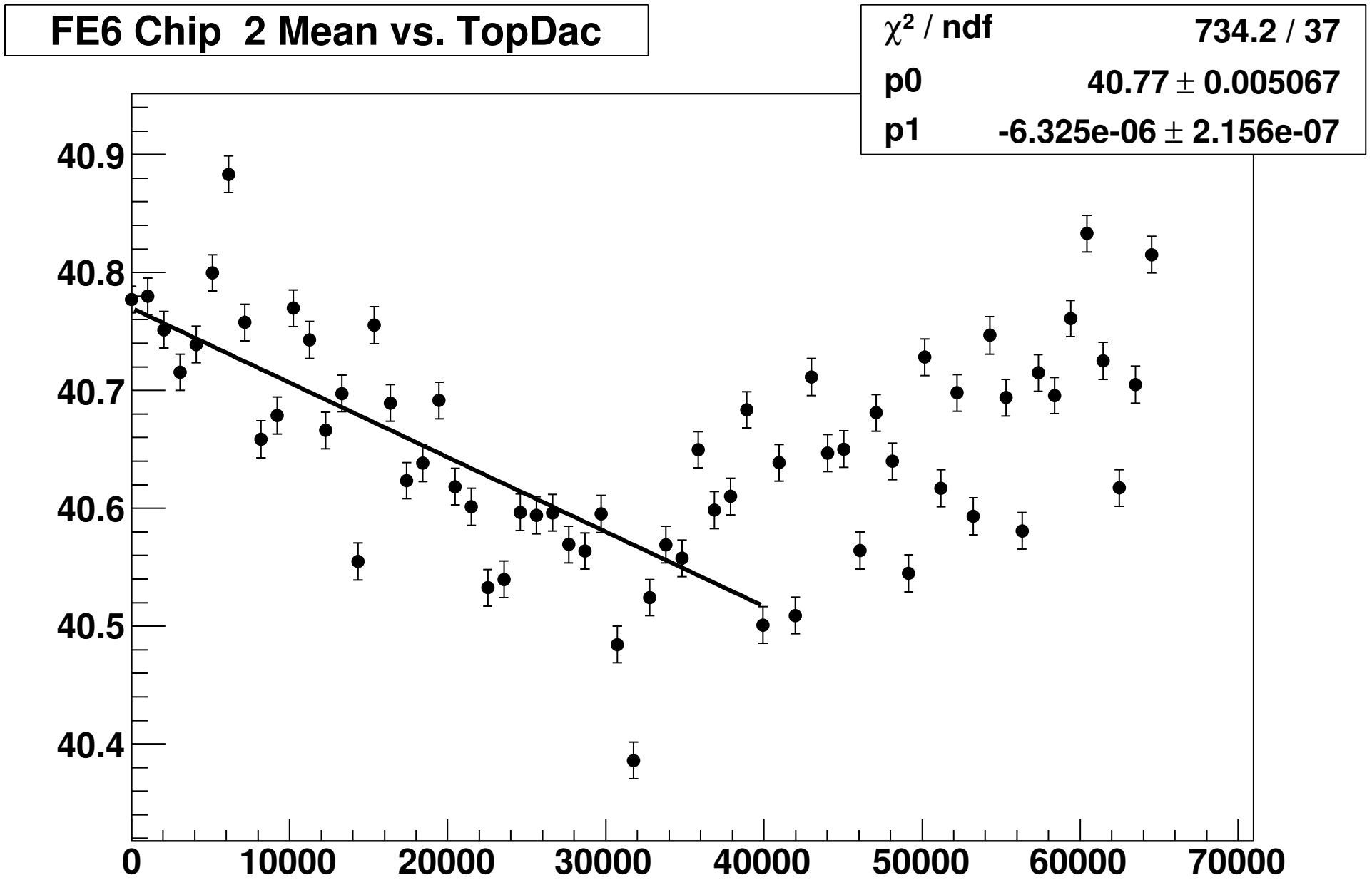
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 734.2 / 37
p0 40.77 ± 0.005067
p1 -6.325e-06 ± 2.156e-07
40.9
40.8
40.7
40.6
40.5
40.4
0
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60000
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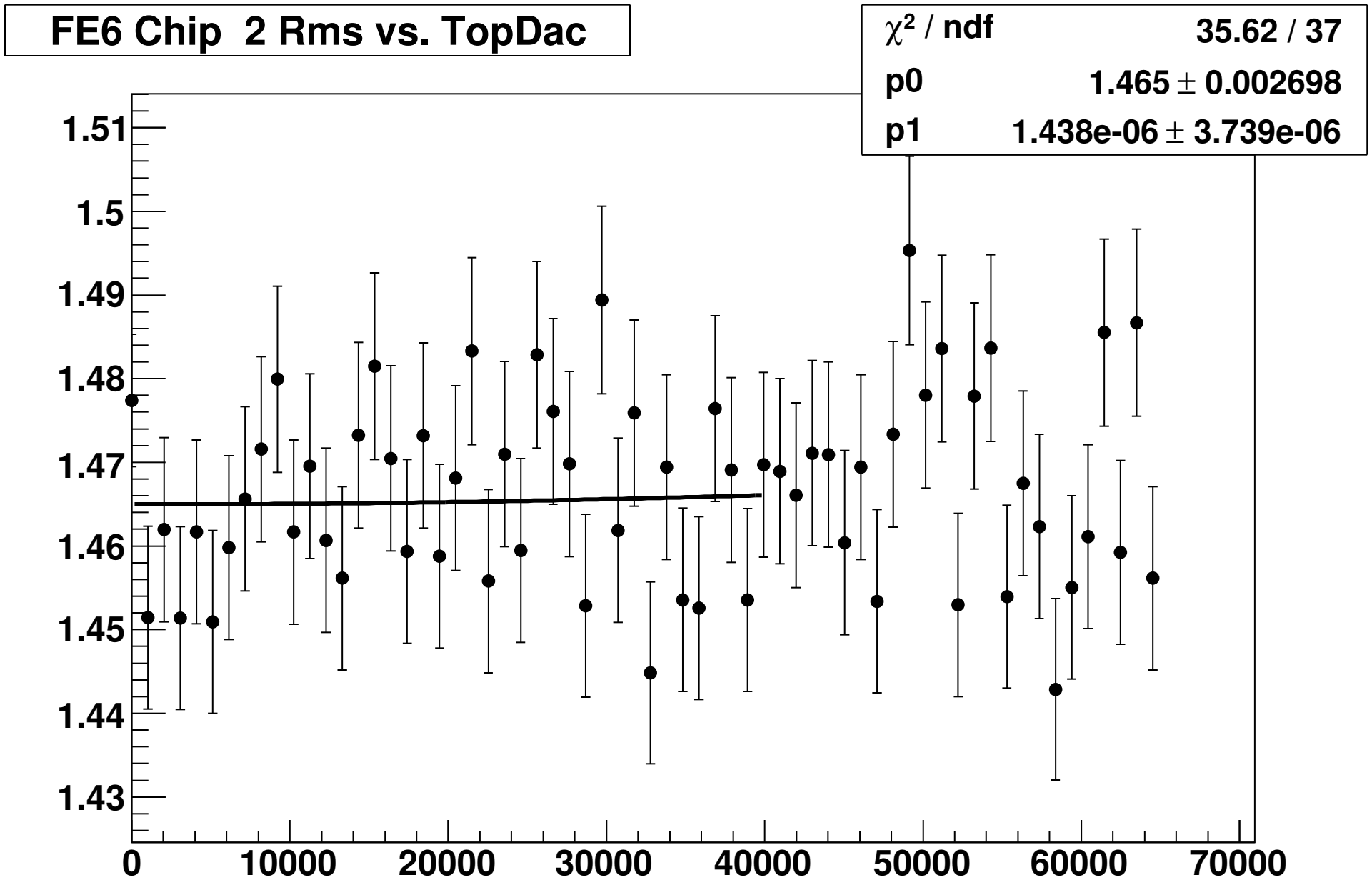
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 35.62 / 37
p0 1.465 ± 0.002698
p1 1.438e-06 ± 3.739e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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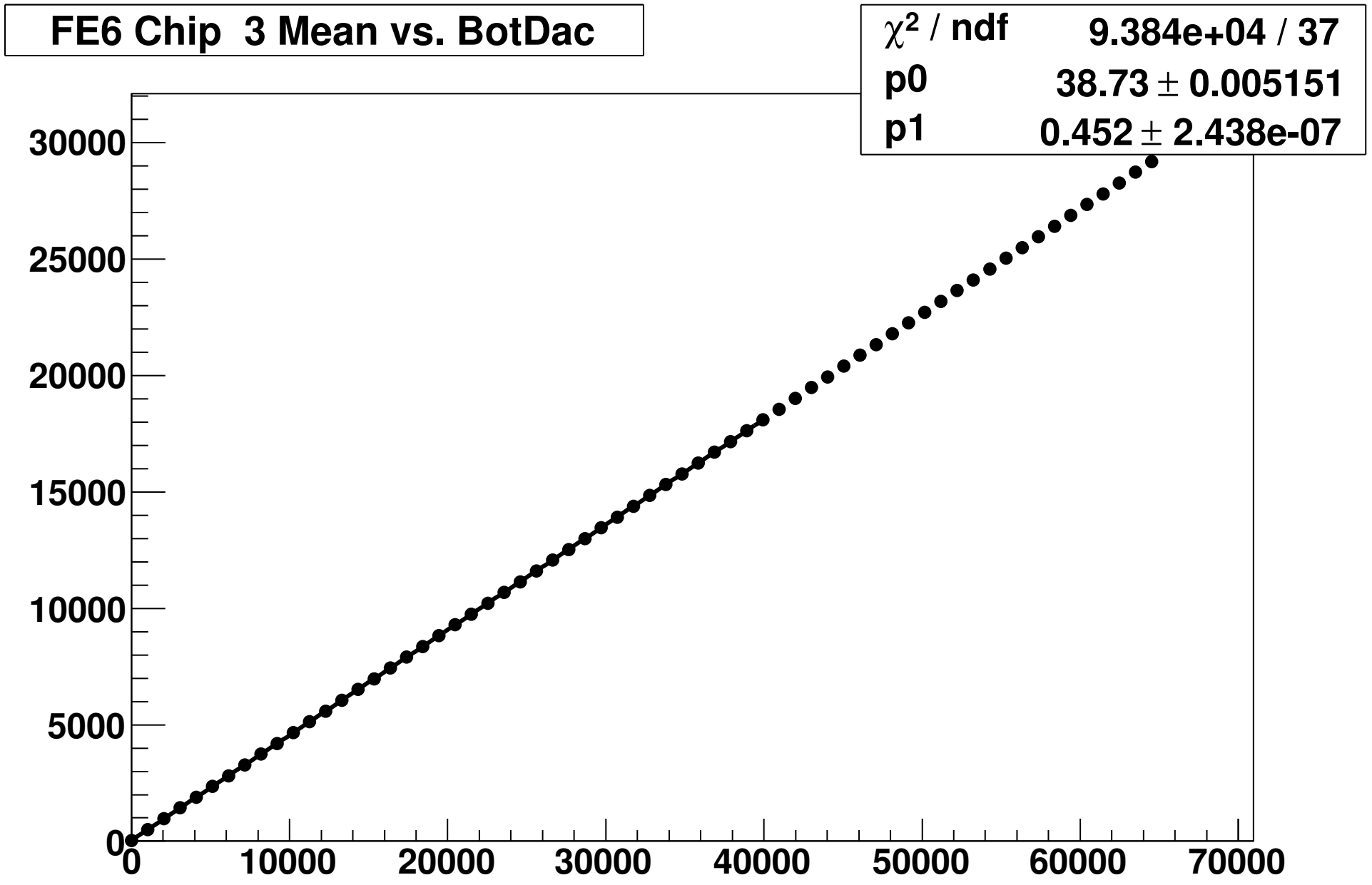
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.384e+04 / 37
p0 38.73 ± 0.005151
p1 0.452 ± 2.438e-07
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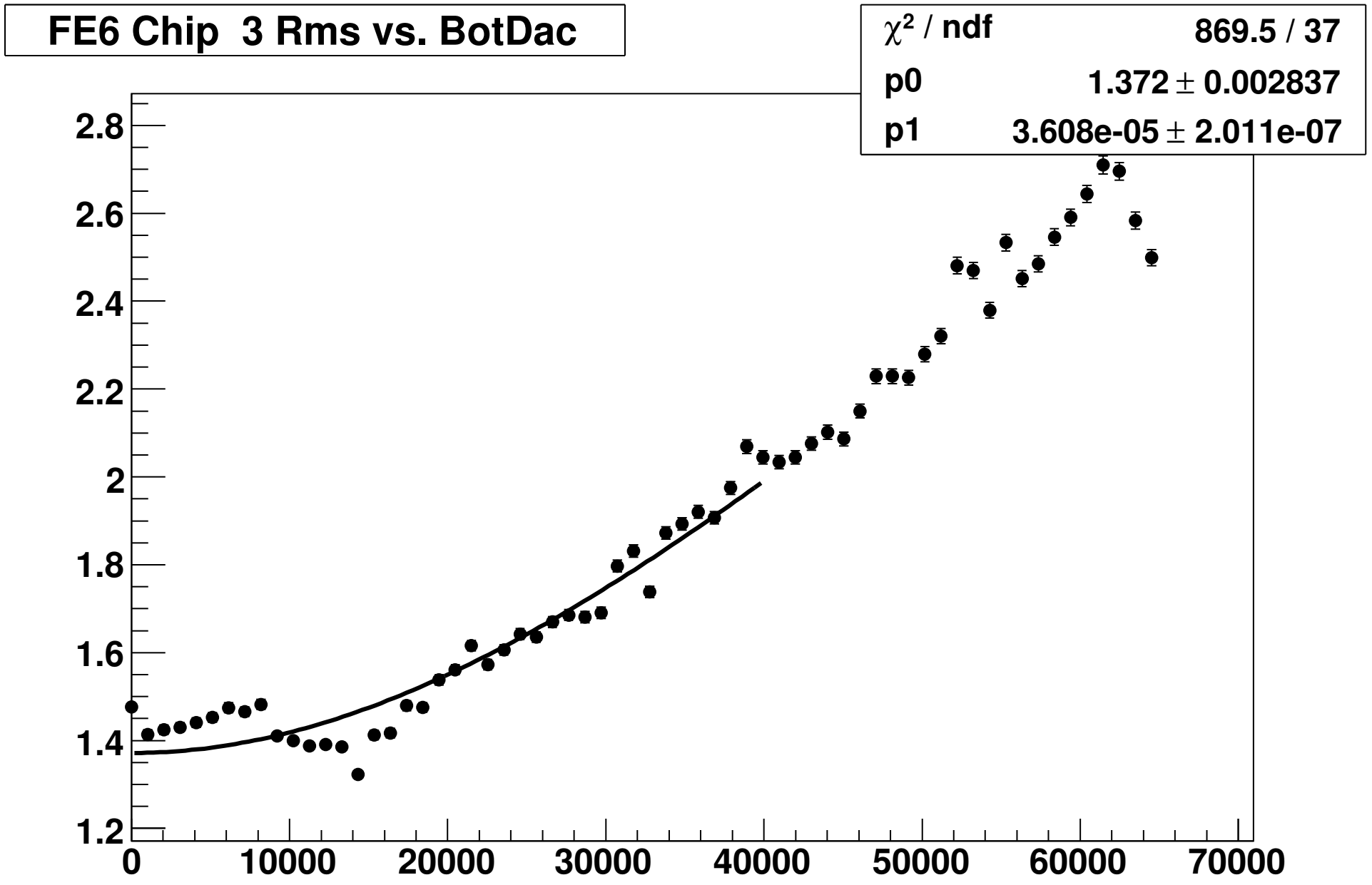
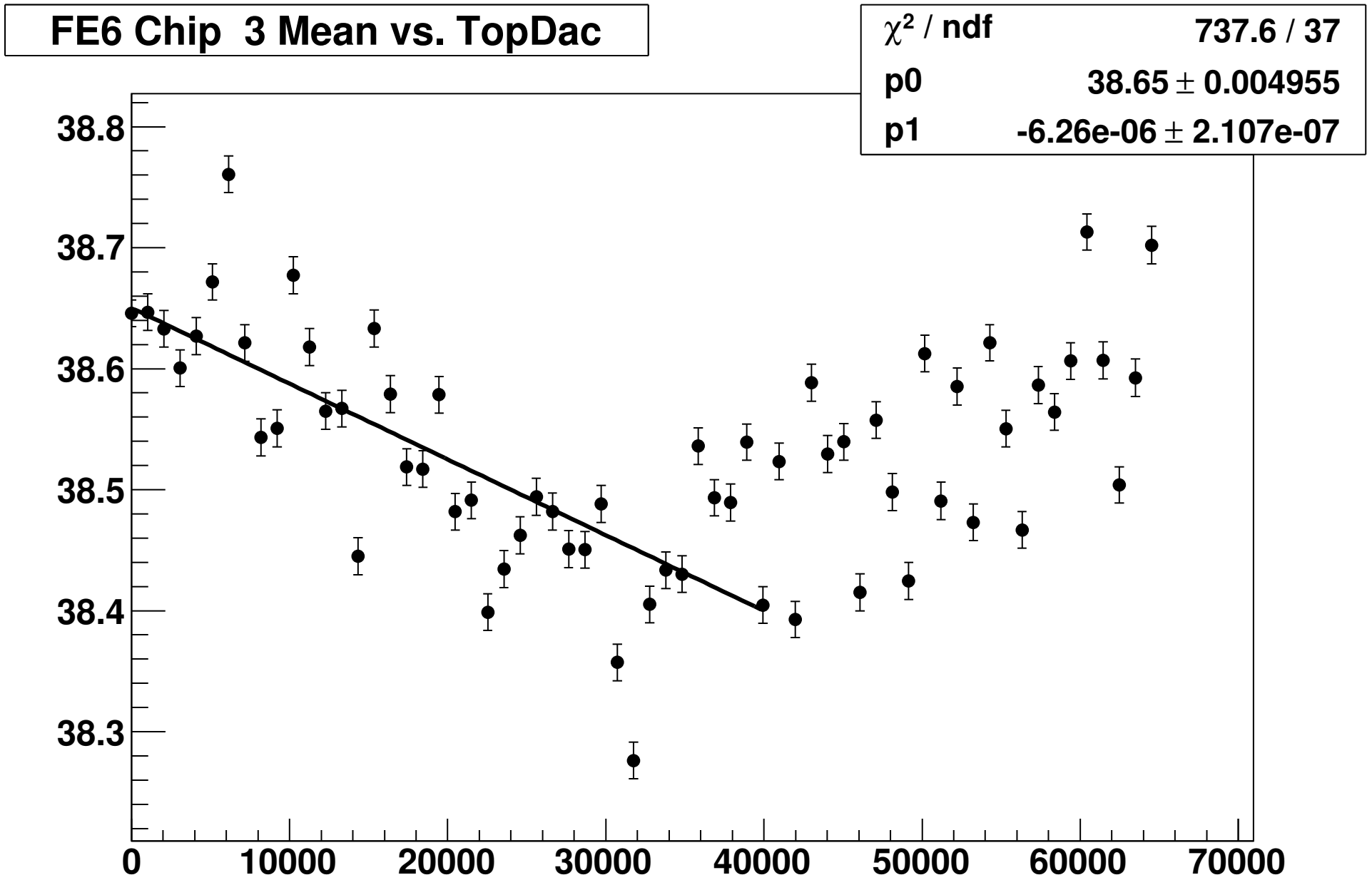
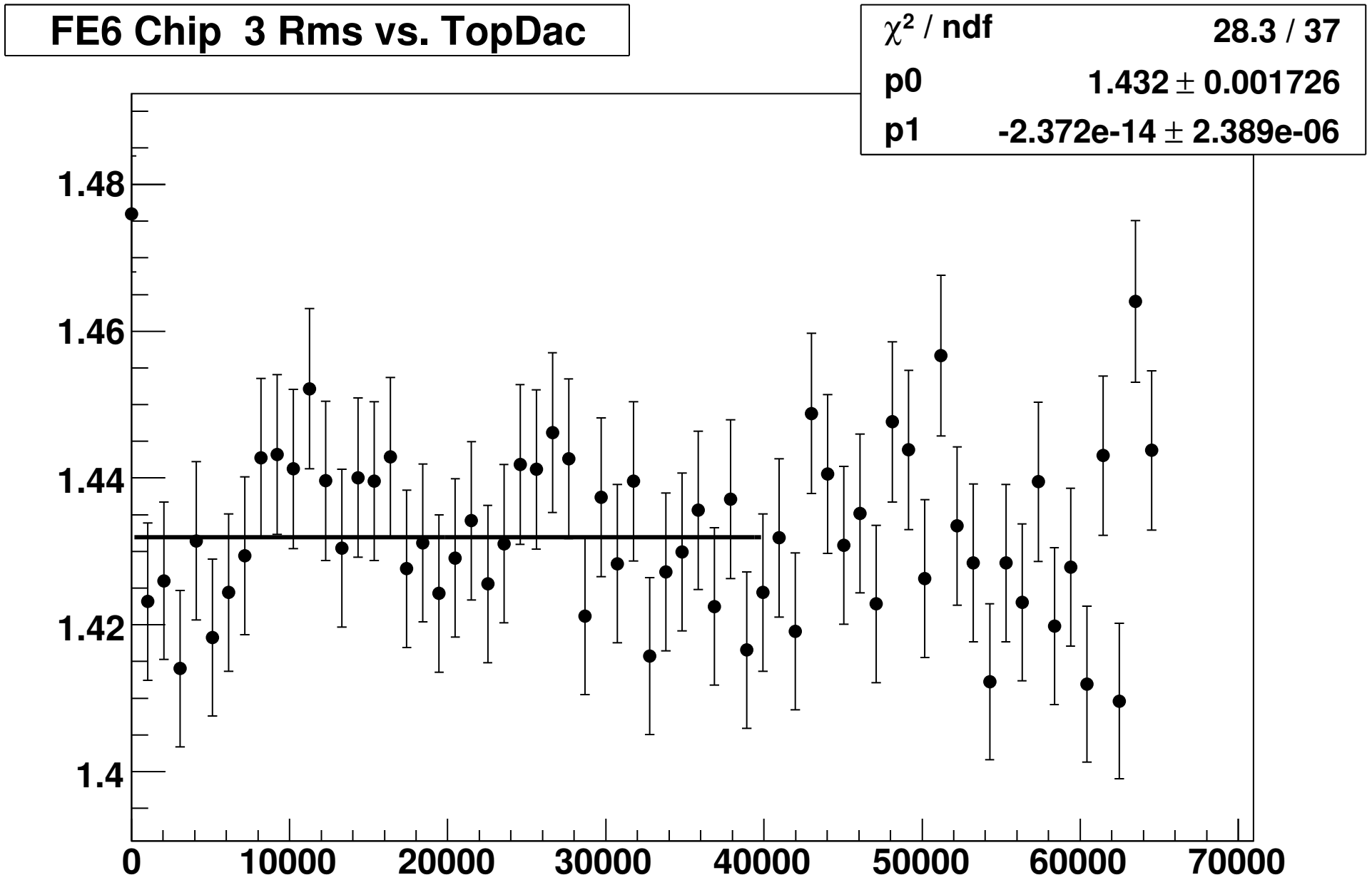
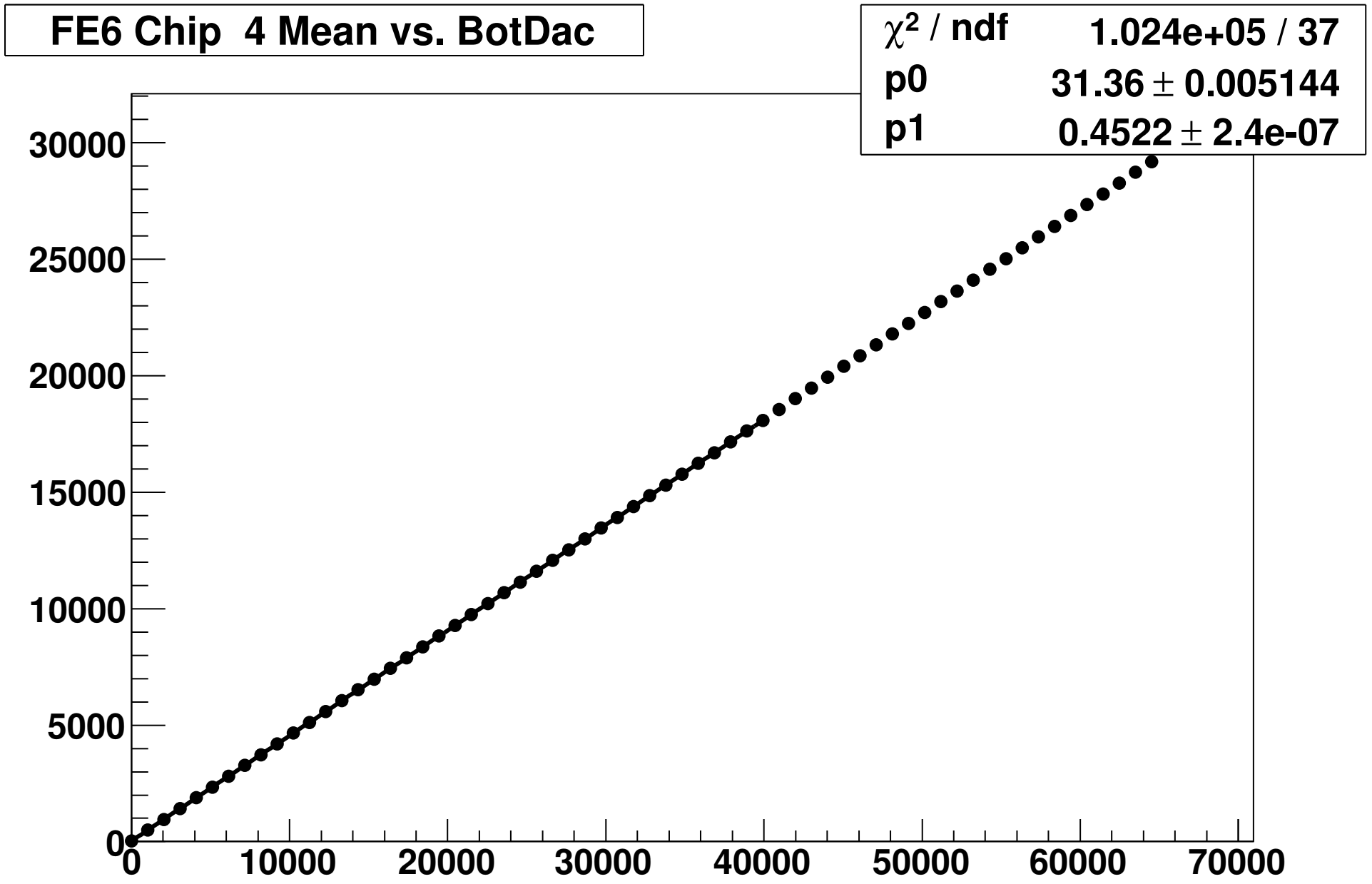
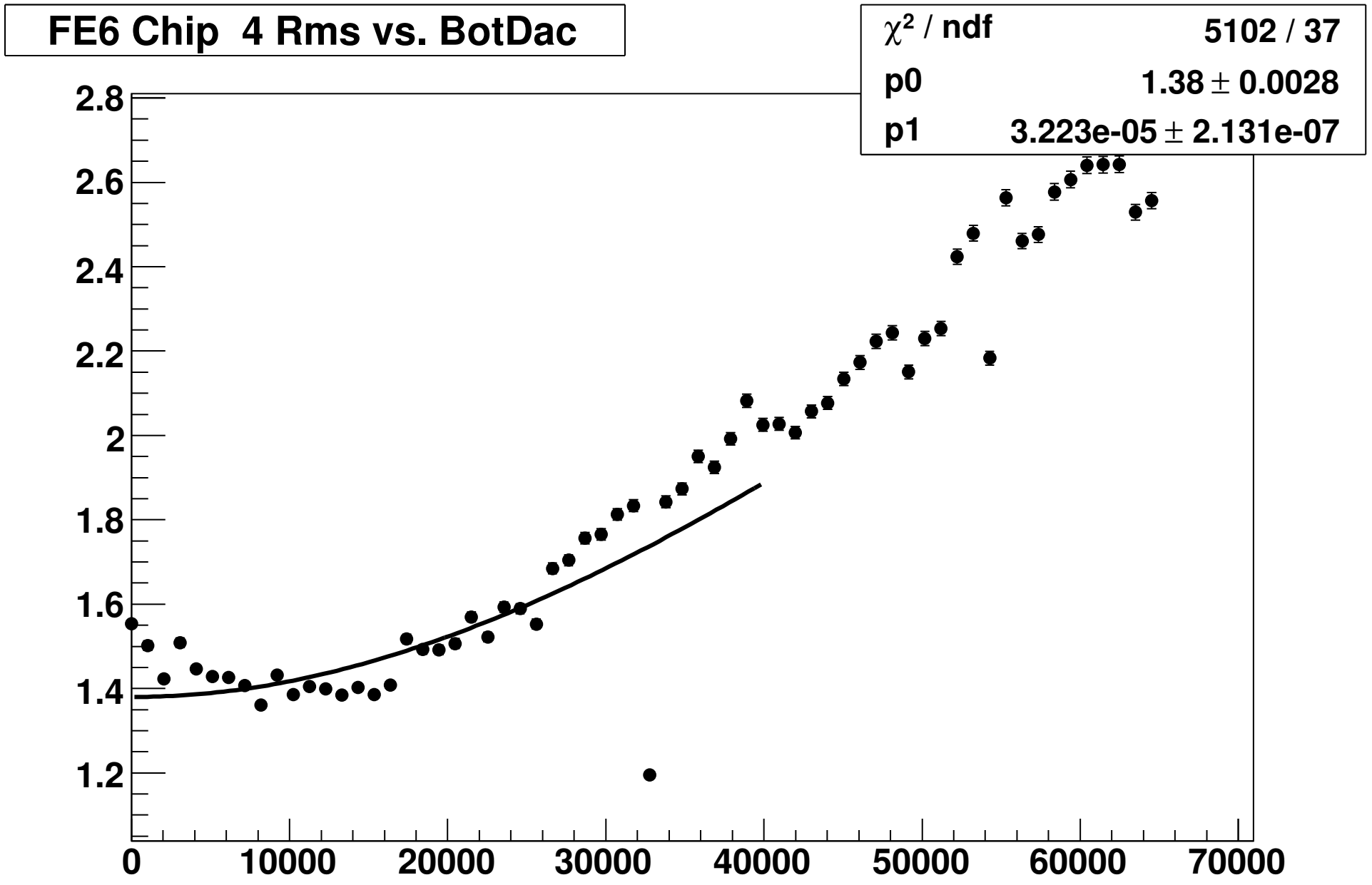
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

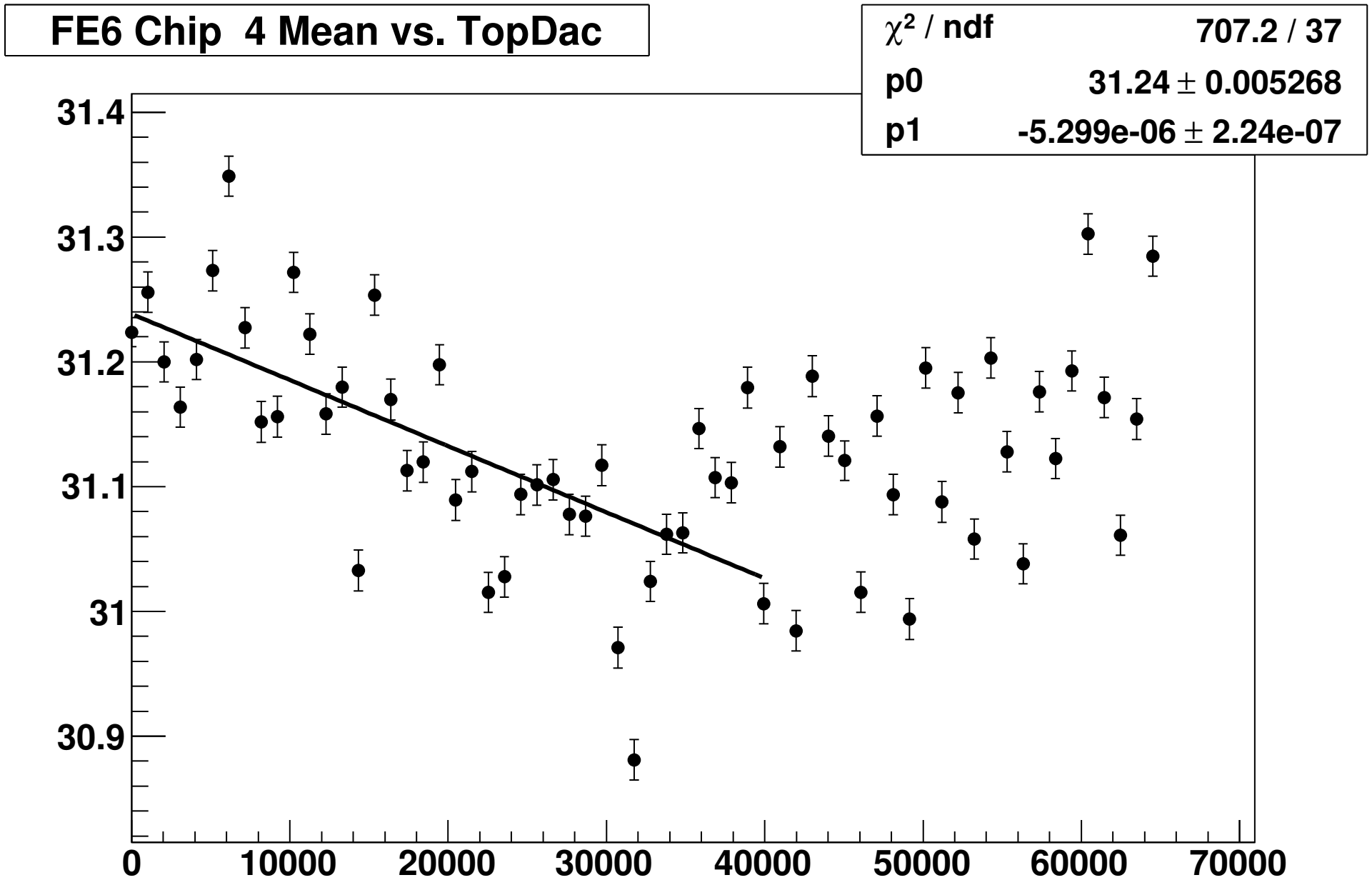

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 869.5 / 37
p0 1.372 ± 0.002837
p1 3.608e-05 ± 2.011e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

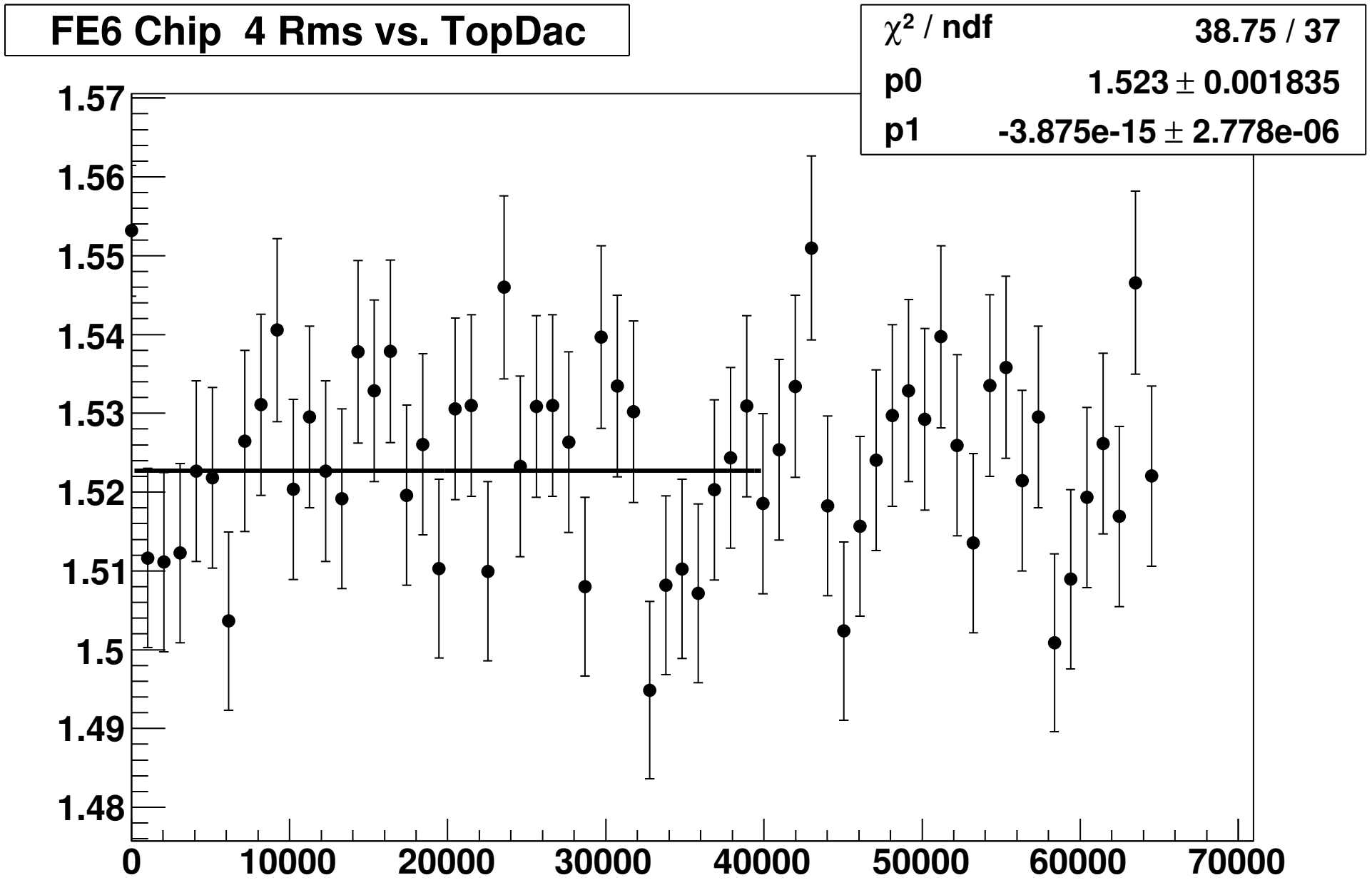

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 737.6 / 37
p0 38.65 ± 0.004955
p1 -6.26e-06 ± 2.107e-07
38.8
38.7
38.6
38.5
38.4
38.3
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 28.3 / 37
p0 1.432 ± 0.001726
p1 -2.372e-14 ± 2.389e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.024e+05 / 37
p0 31.36 ± 0.005144
p1 0.4522 ± 2.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 5102 / 37
p0 1.38 ± 0.0028
p1 3.223e-05 ± 2.131e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 707.2 / 37
p0 31.24 ± 0.005268
p1 -5.299e-06 ± 2.24e-07
31.4
31.3
31.2
31.1
31
30.9
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 38.75 / 37
p0 1.523 ± 0.001835
p1 -3.875e-15 ± 2.778e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
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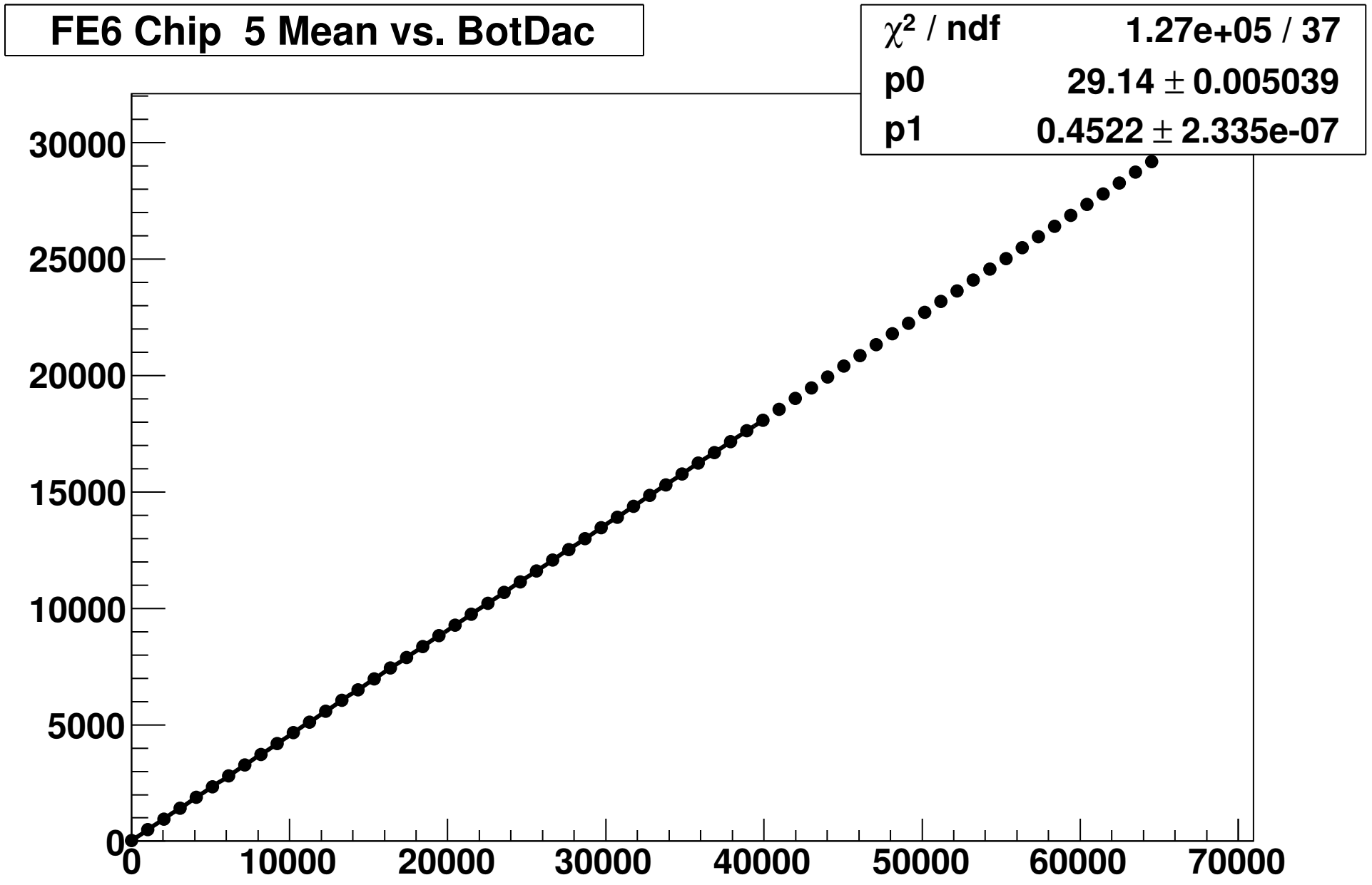
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.27e+05 / 37
p0 29.14 ± 0.005039
p1 0.4522 ± 2.335e-07
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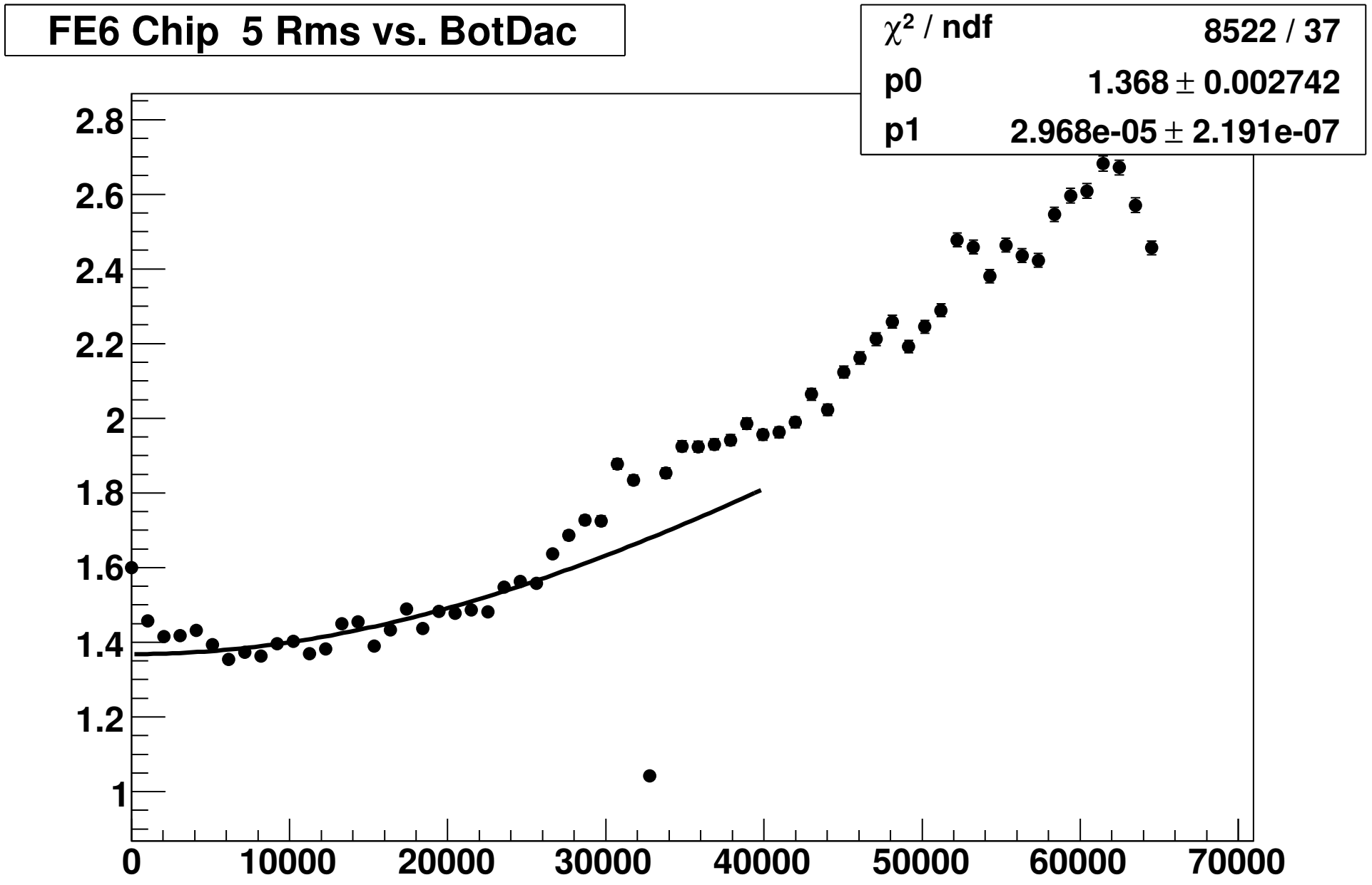
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 8522 / 37
p0 1.368 ± 0.002742
p1 2.968e-05 ± 2.191e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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60000
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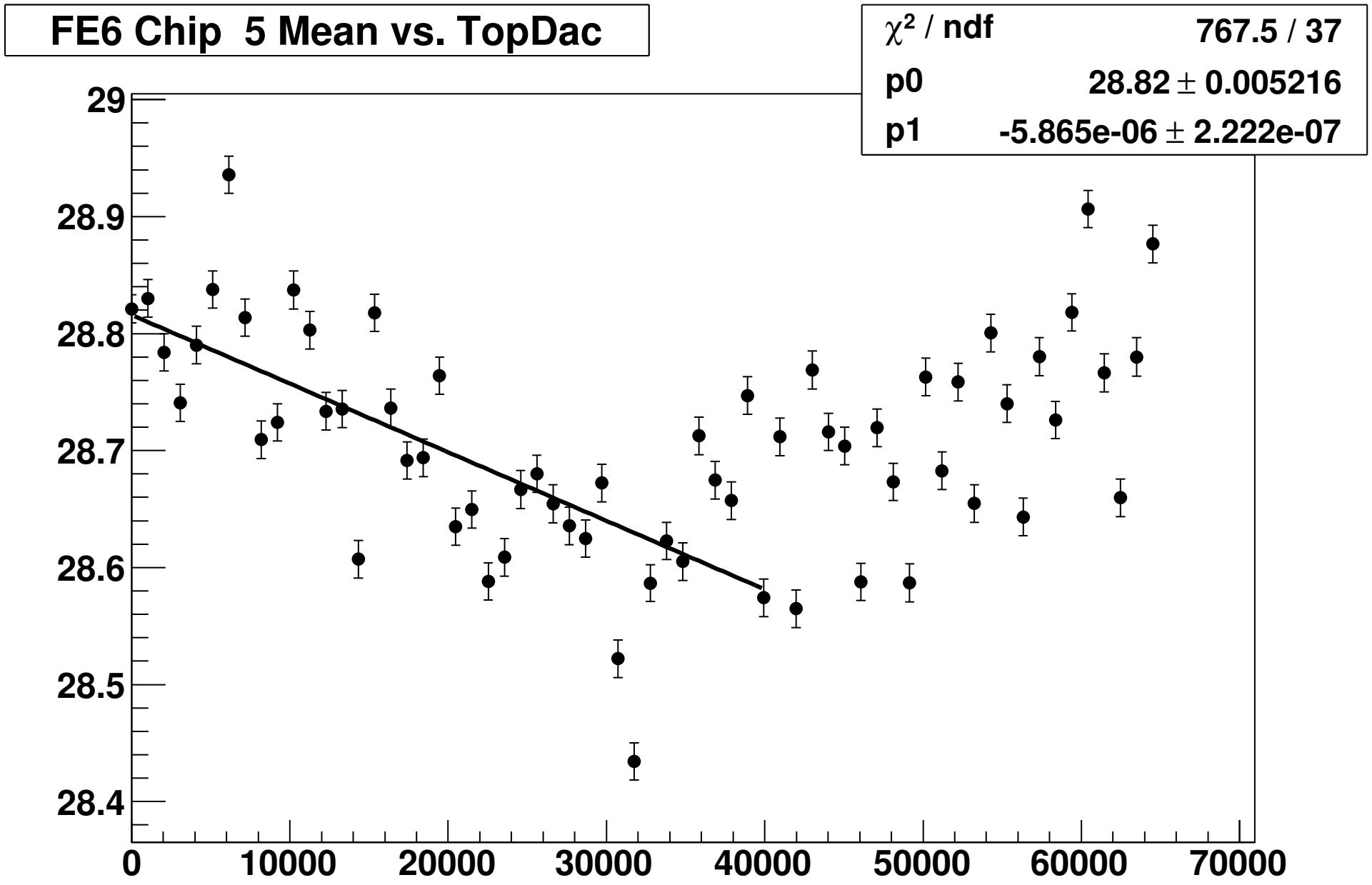
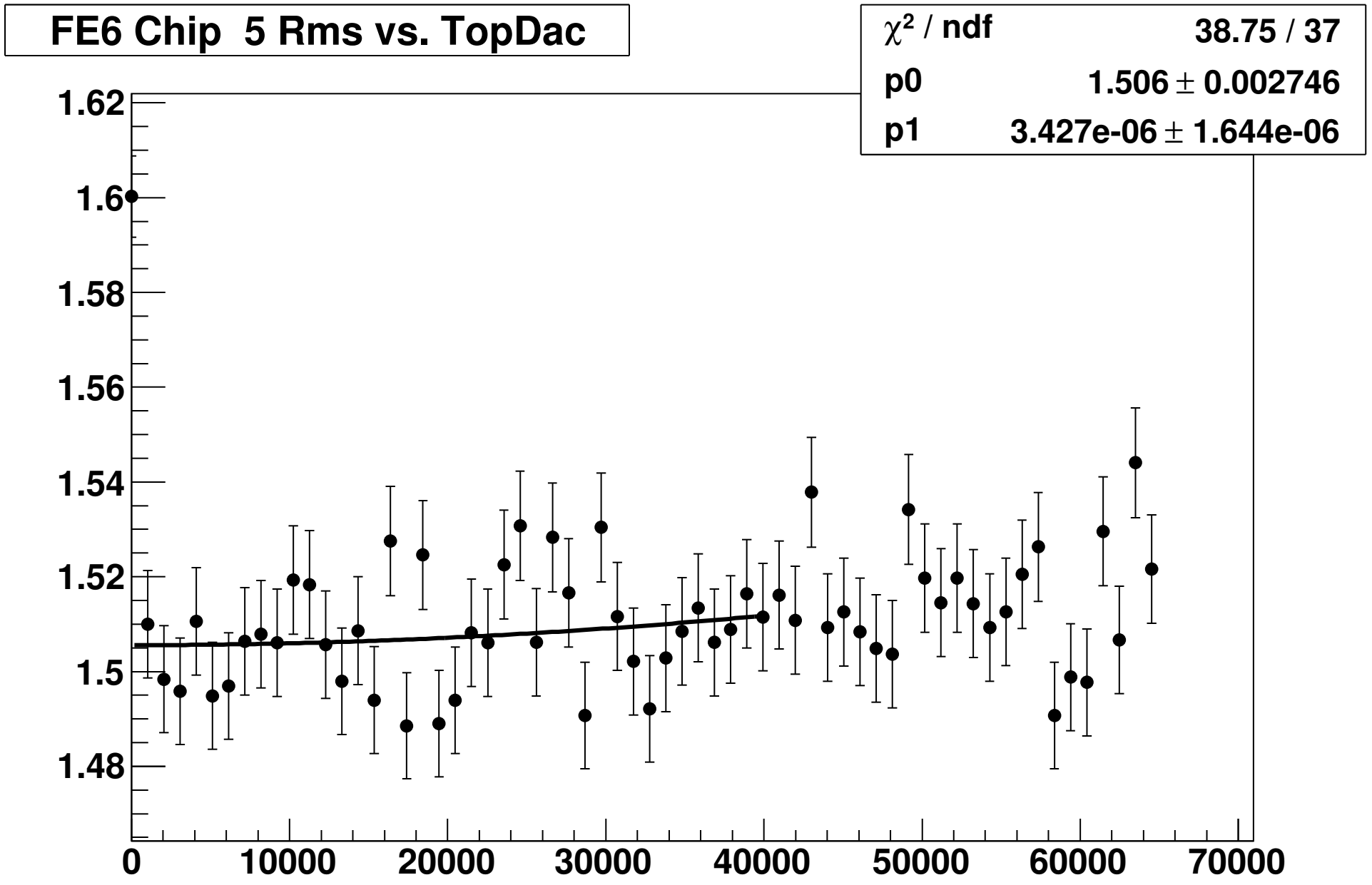

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 767.5 / 37
p0 28.82 ± 0.005216
p1 -5.865e-06 ± 2.222e-07
29
28.9
28.8
28.7
28.6
28.5
28.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 38.75 / 37
p0 1.506 ± 0.002746
p1 3.427e-06 ± 1.644e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
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20000
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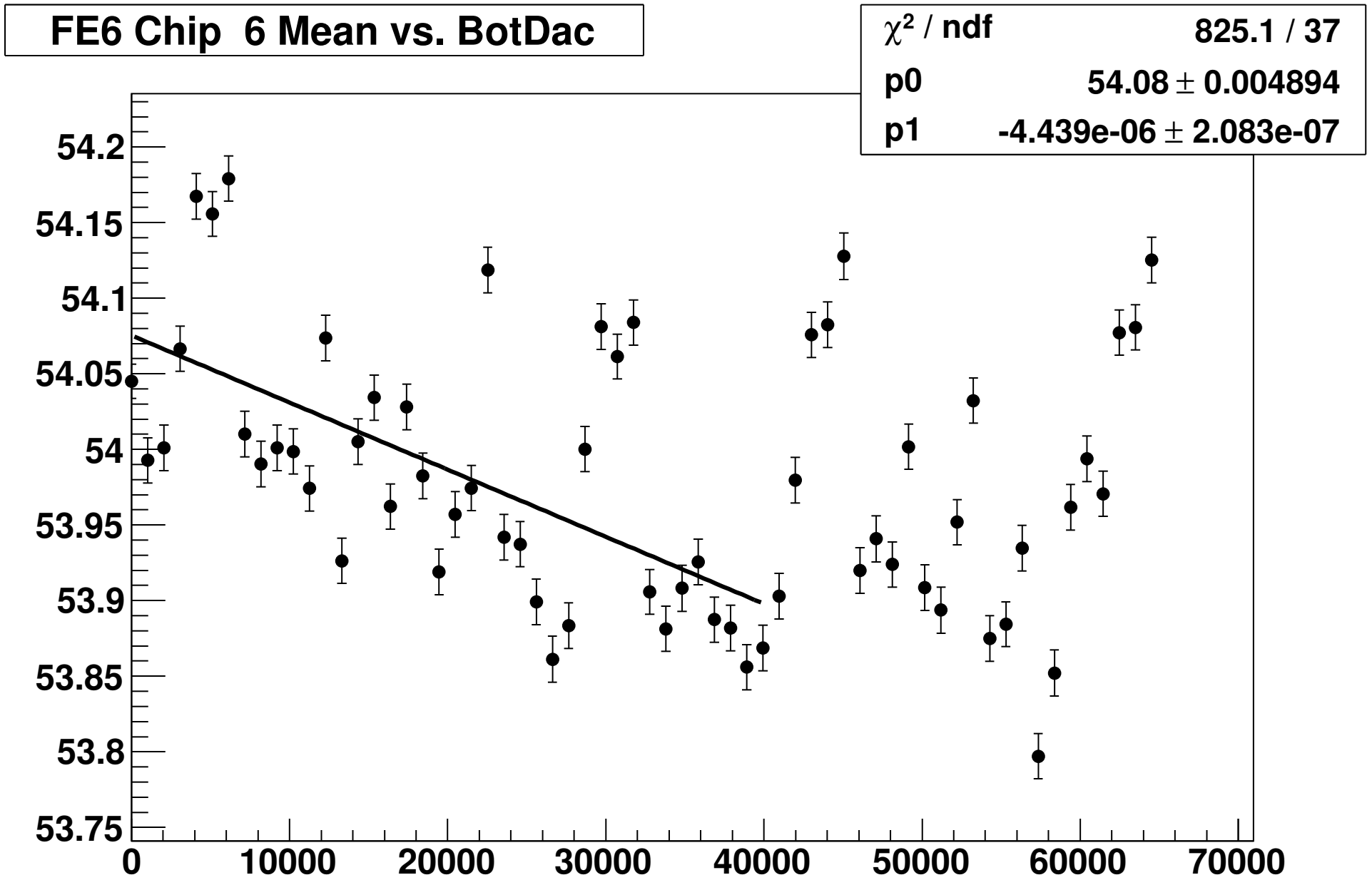
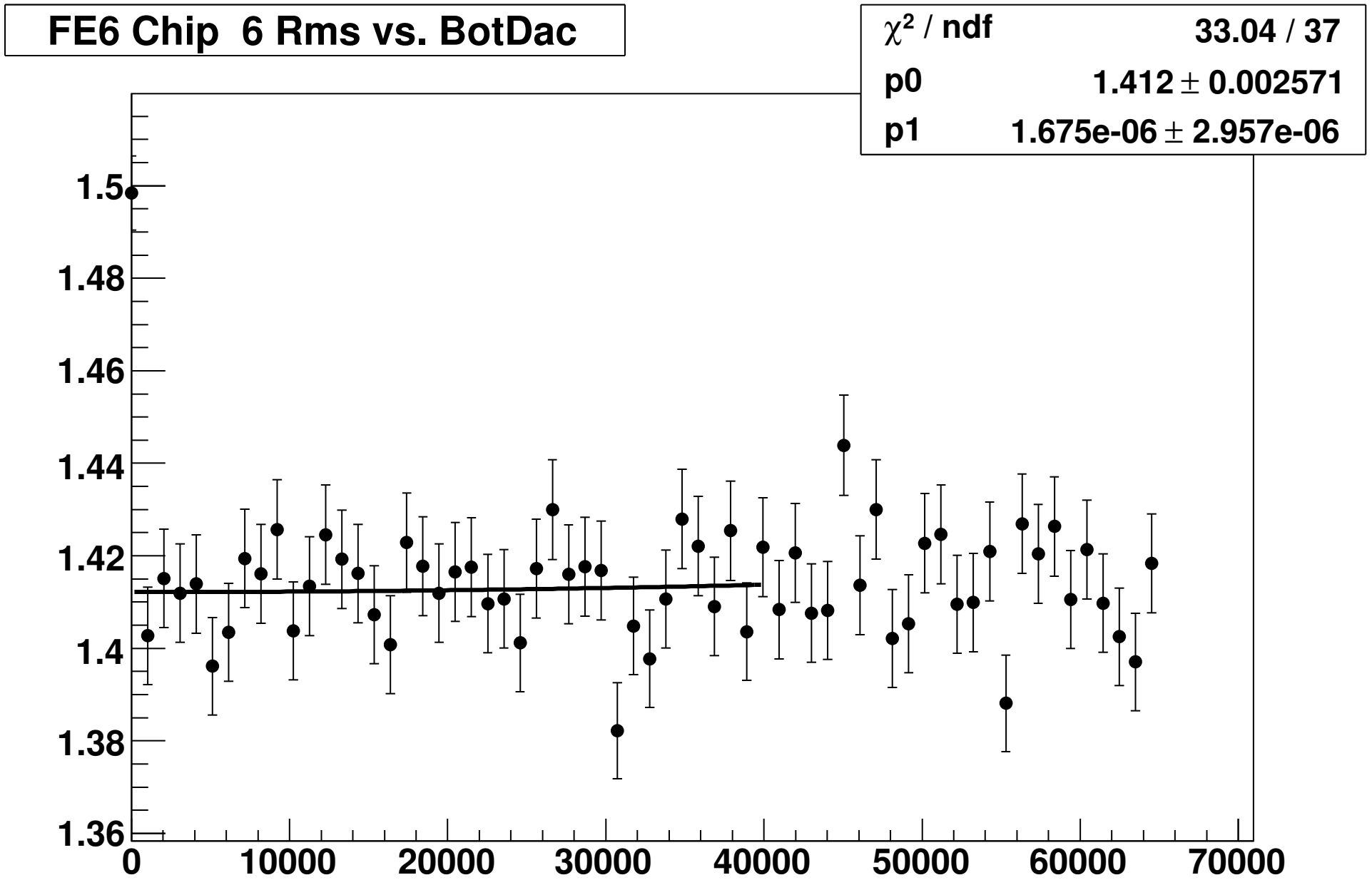
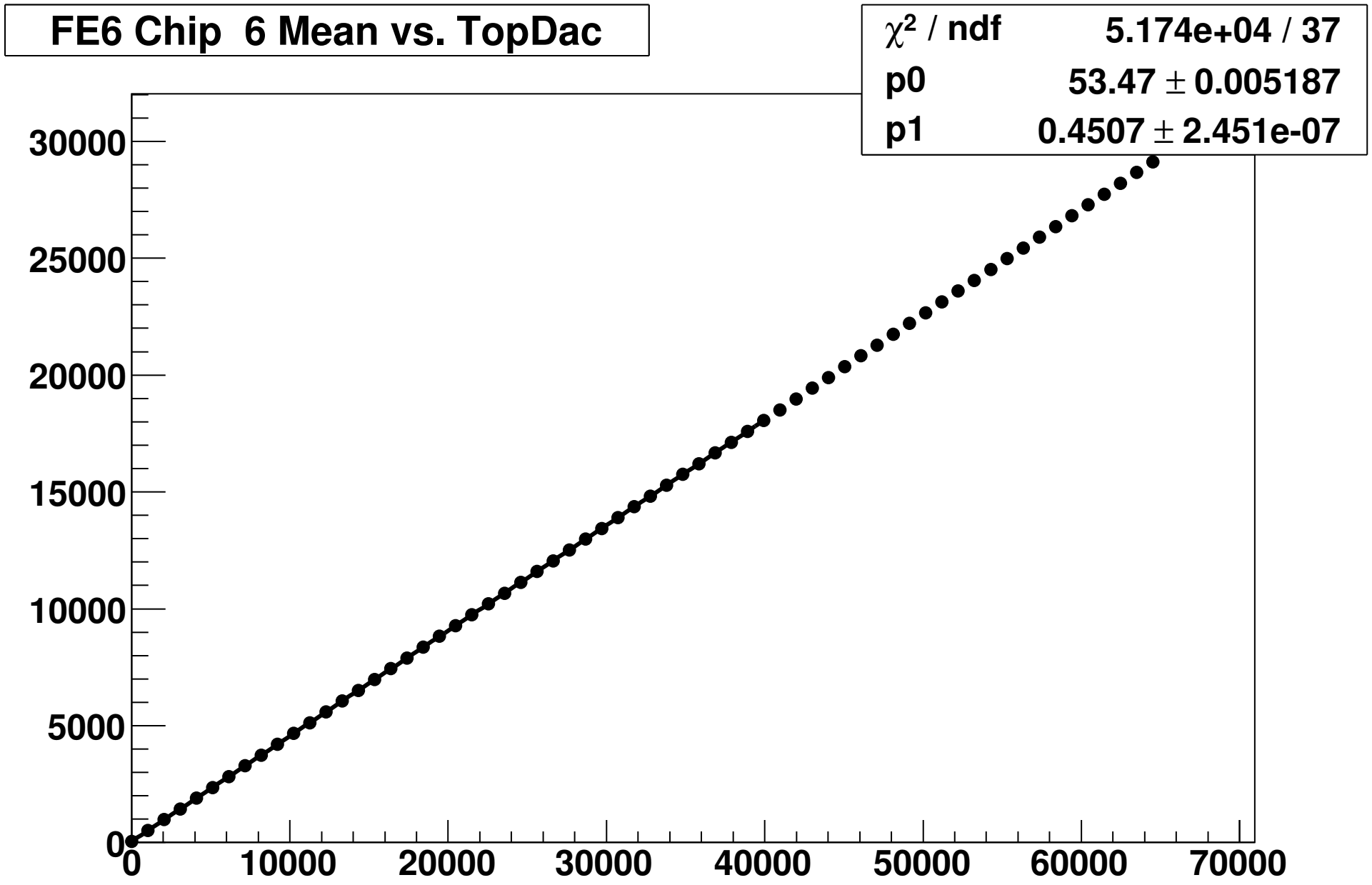
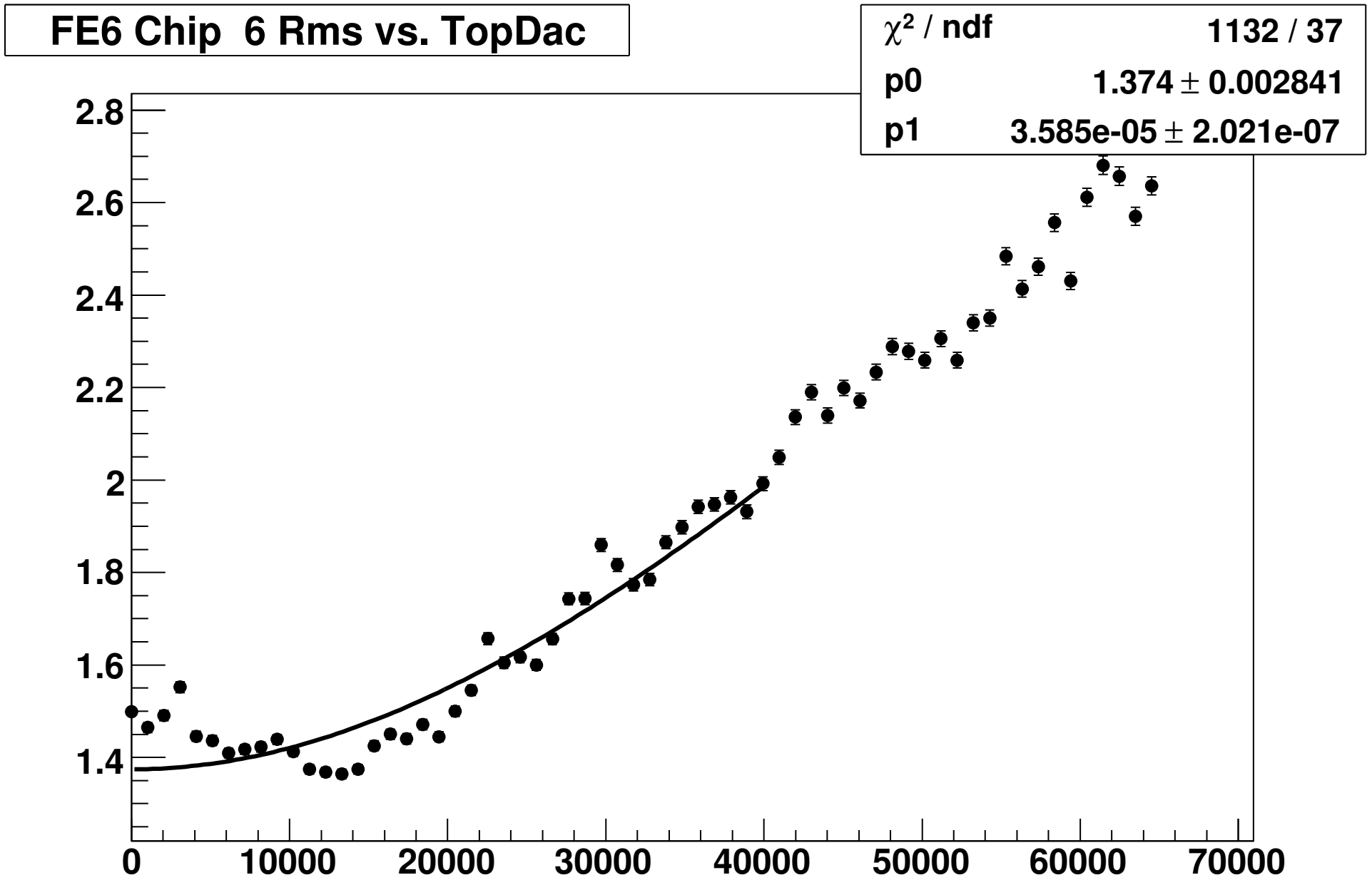

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 825.1 / 37
p0 54.08 ± 0.004894
p1 -4.439e-06 ± 2.083e-07
54.2
54.15
54.1
54.05
54
53.95
53.9
53.85
53.8
53.75
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 33.04 / 37
p0 1.412 ± 0.002571
p1 1.675e-06 ± 2.957e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 5.174e+04 / 37
p0 53.47 ± 0.005187
p1 0.4507 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1132 / 37
p0 1.374 ± 0.002841
p1 3.585e-05 ± 2.021e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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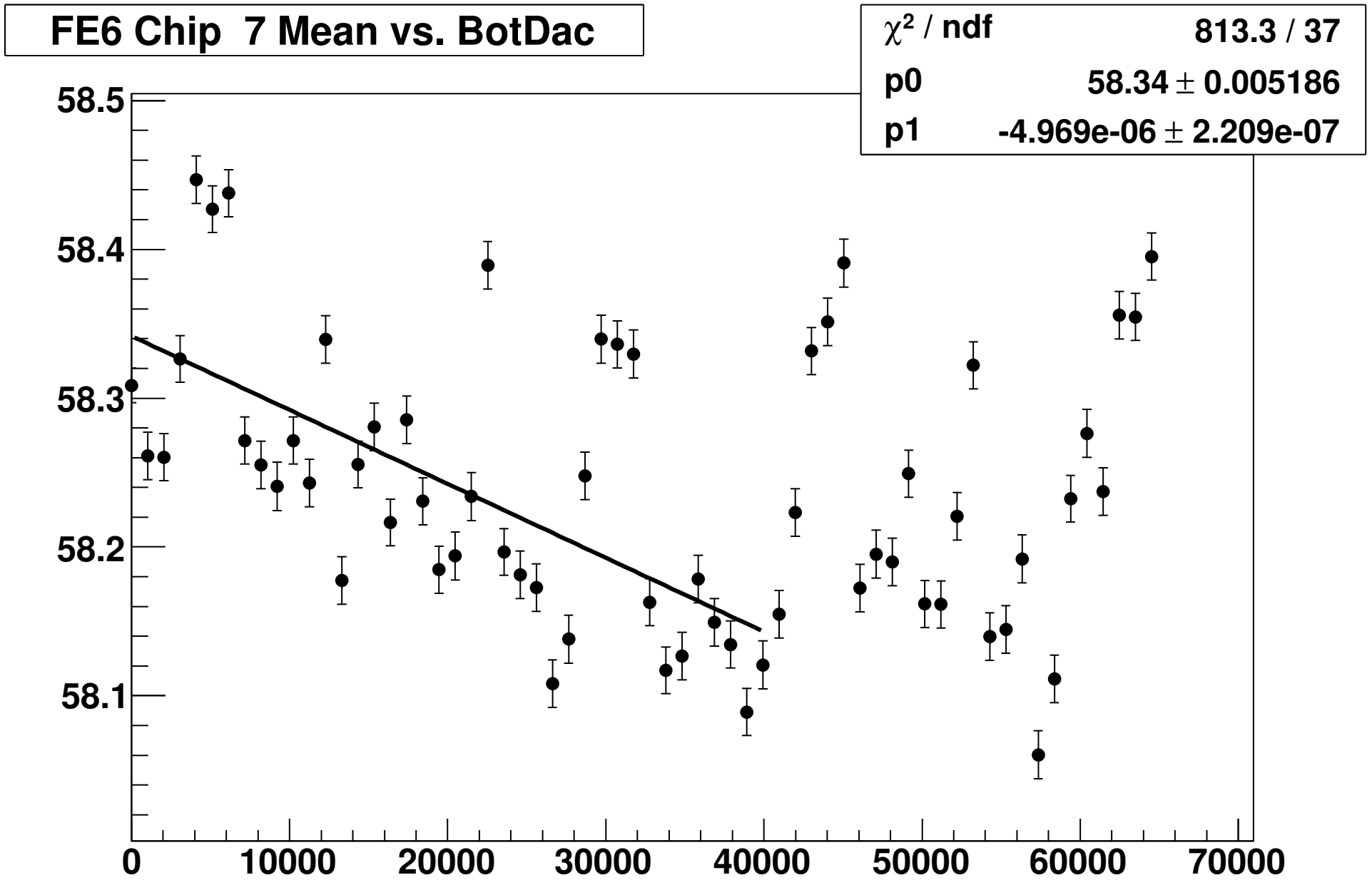
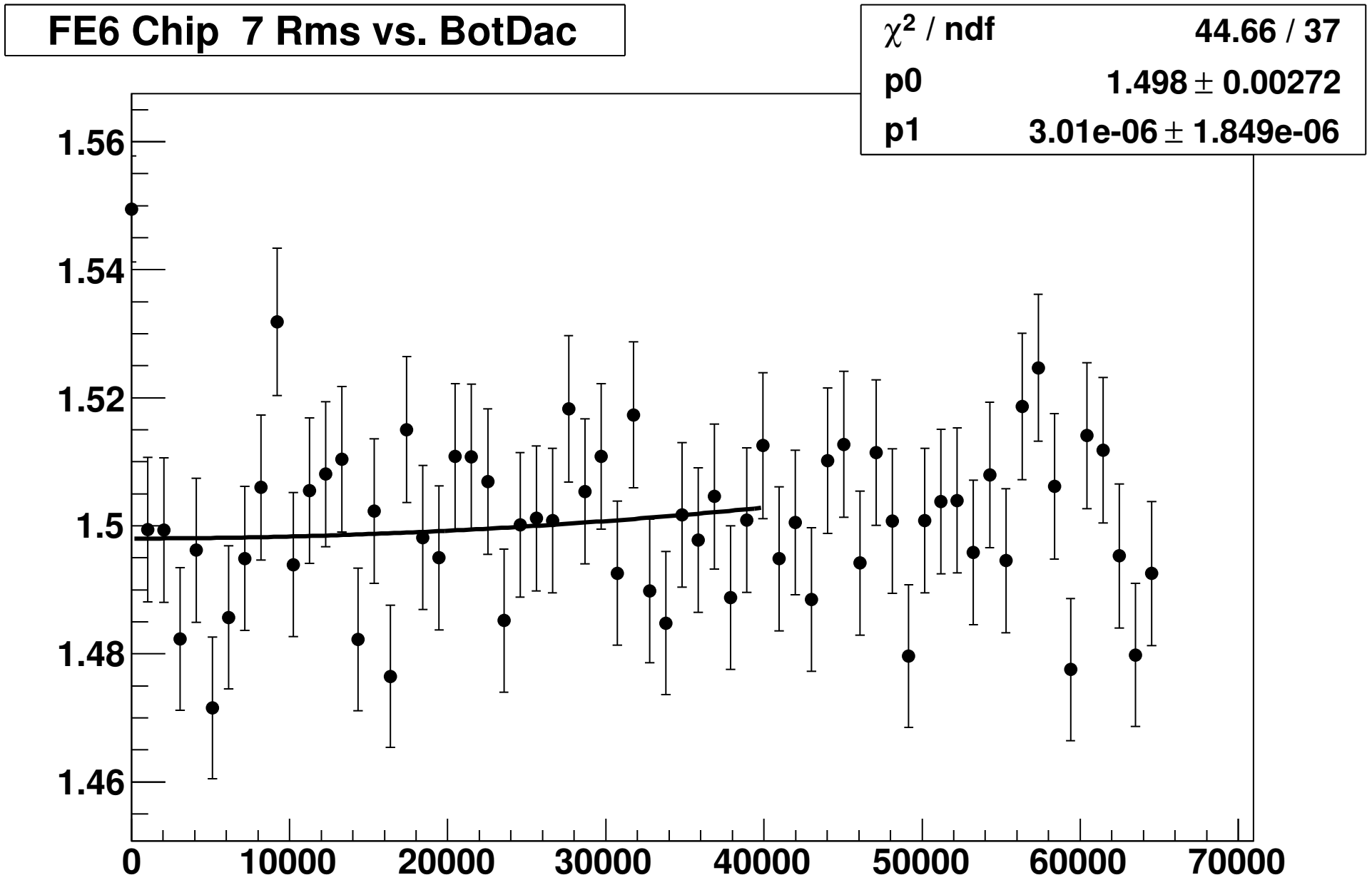
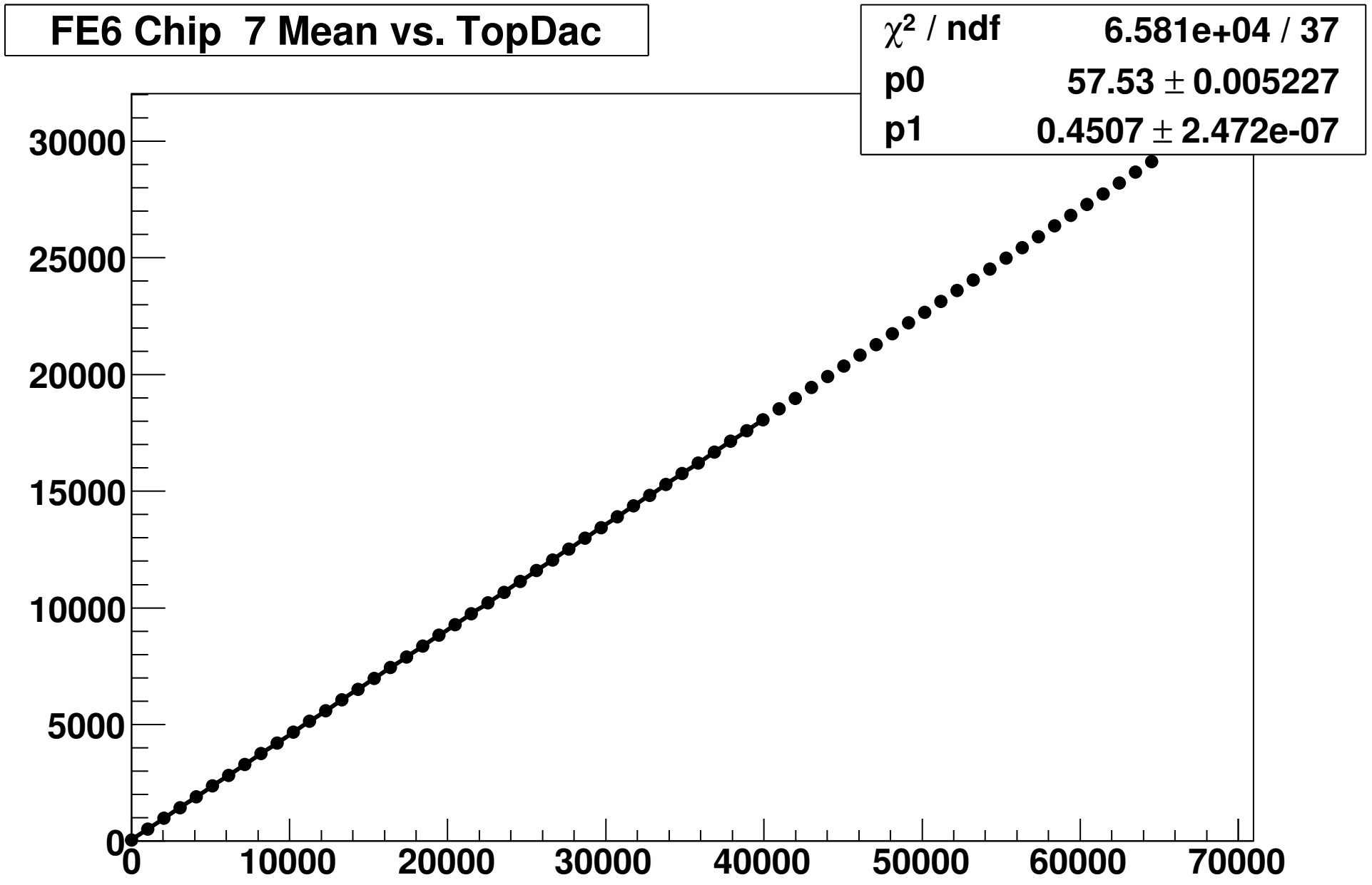

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 813.3 / 37
p0 58.34 ± 0.005186
p1 -4.969e-06 ± 2.209e-07
58.5
58.4
58.3
58.2
58.1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 44.66 / 37
p0 1.498 ± 0.00272
p1 3.01e-06 ± 1.849e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 6.581e+04 / 37
p0 57.53 ± 0.005227
p1 0.4507 ± 2.472e-07
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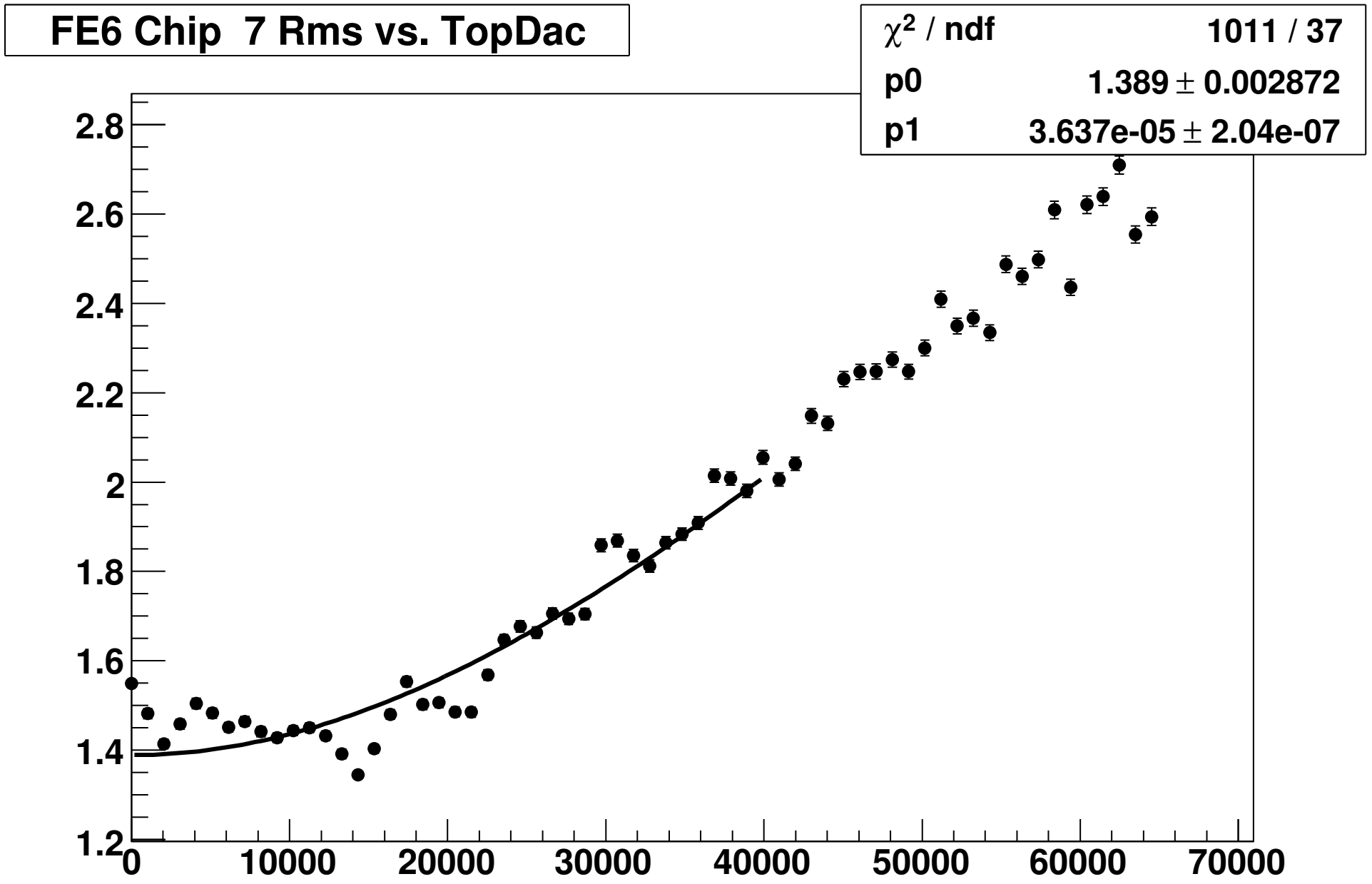
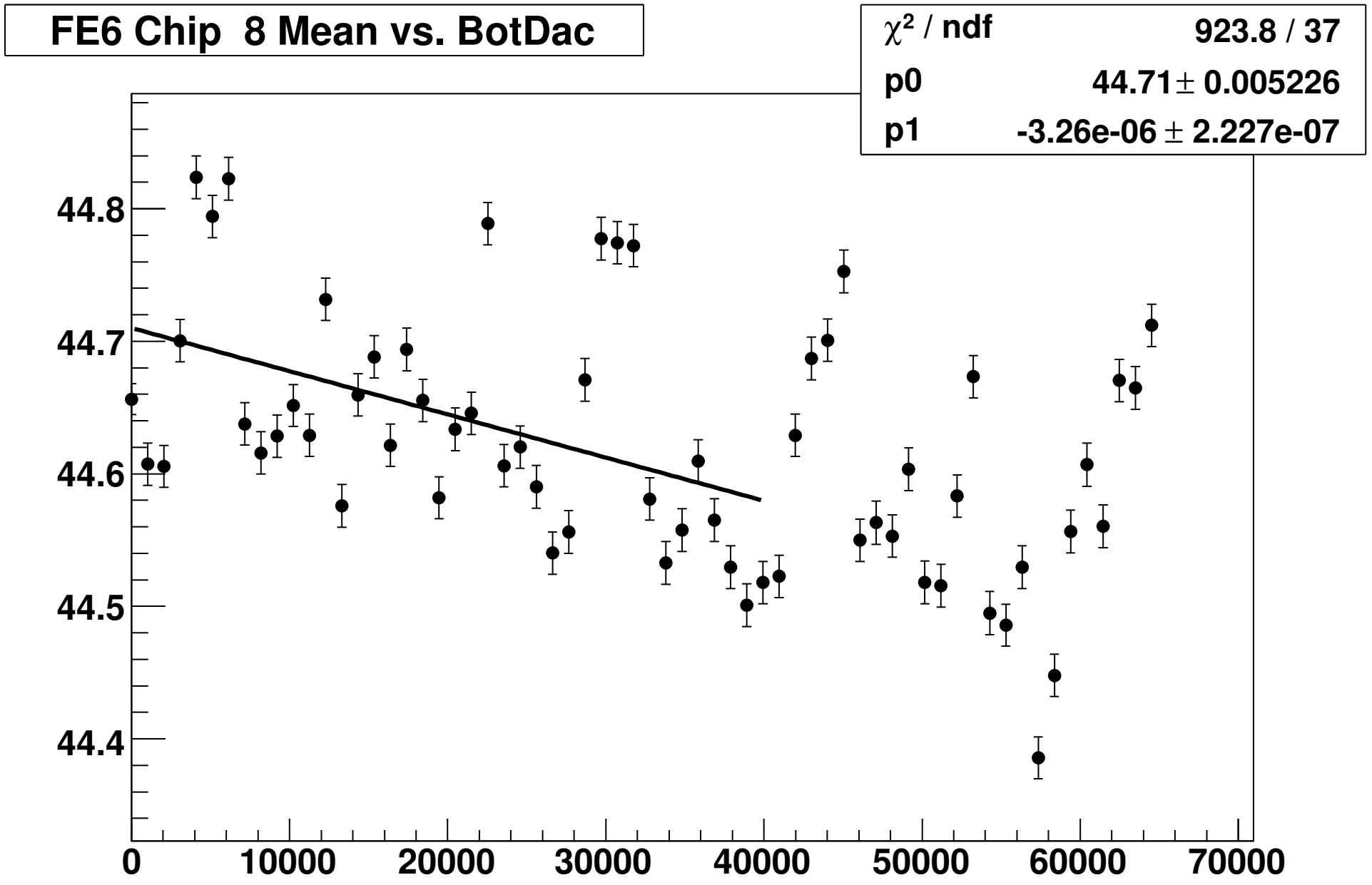
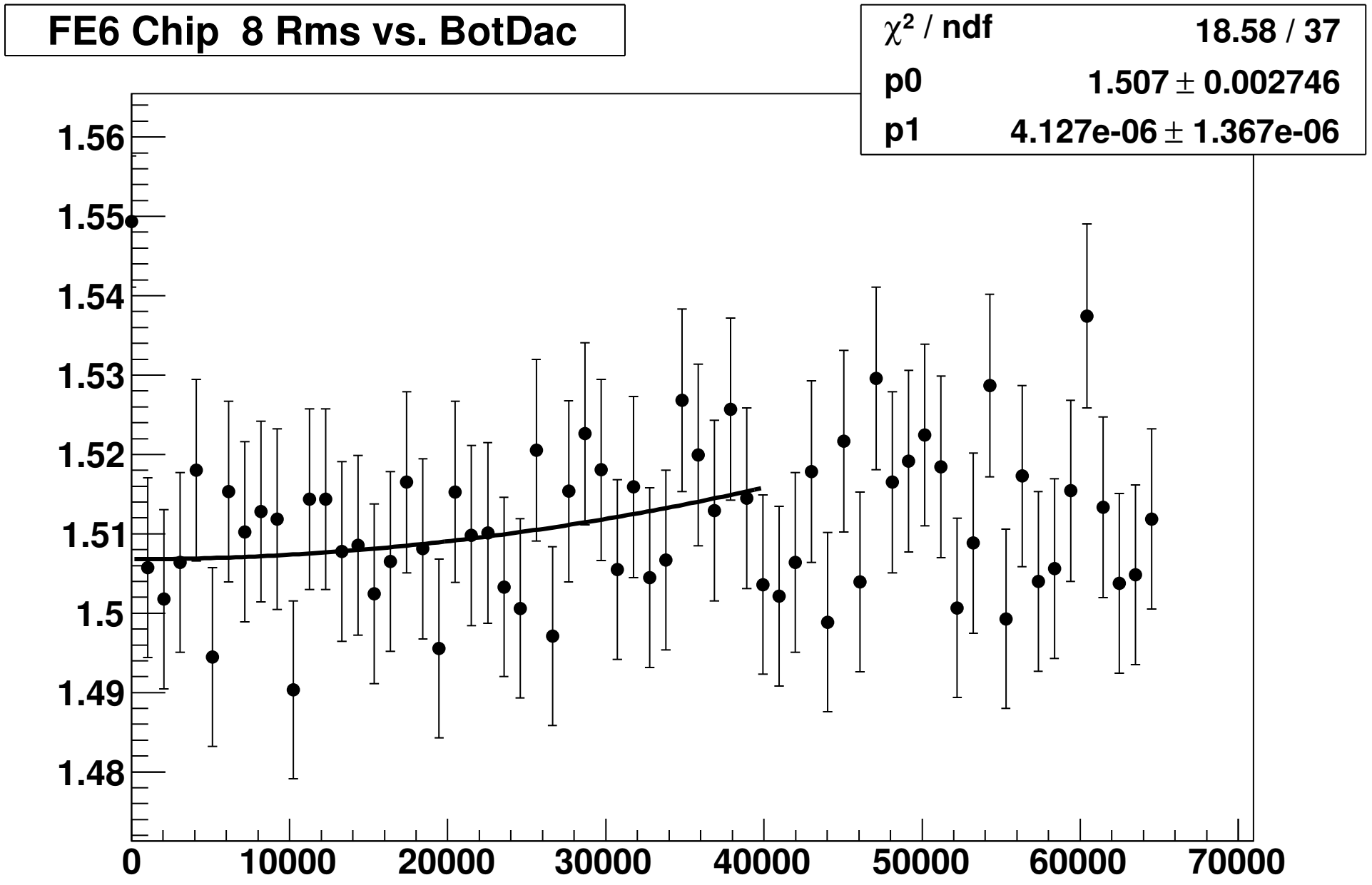
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1011 / 37
p0 1.389 ± 0.002872
p1 3.637e-05 ± 2.04e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 923.8 / 37
p0 44.71 ± 0.005226
p1 -3.26e-06 ± 2.227e-07
44.8
44.7
44.6
44.5
44.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 18.58 / 37
p0 1.507 ± 0.002746
p1 4.127e-06 ± 1.367e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
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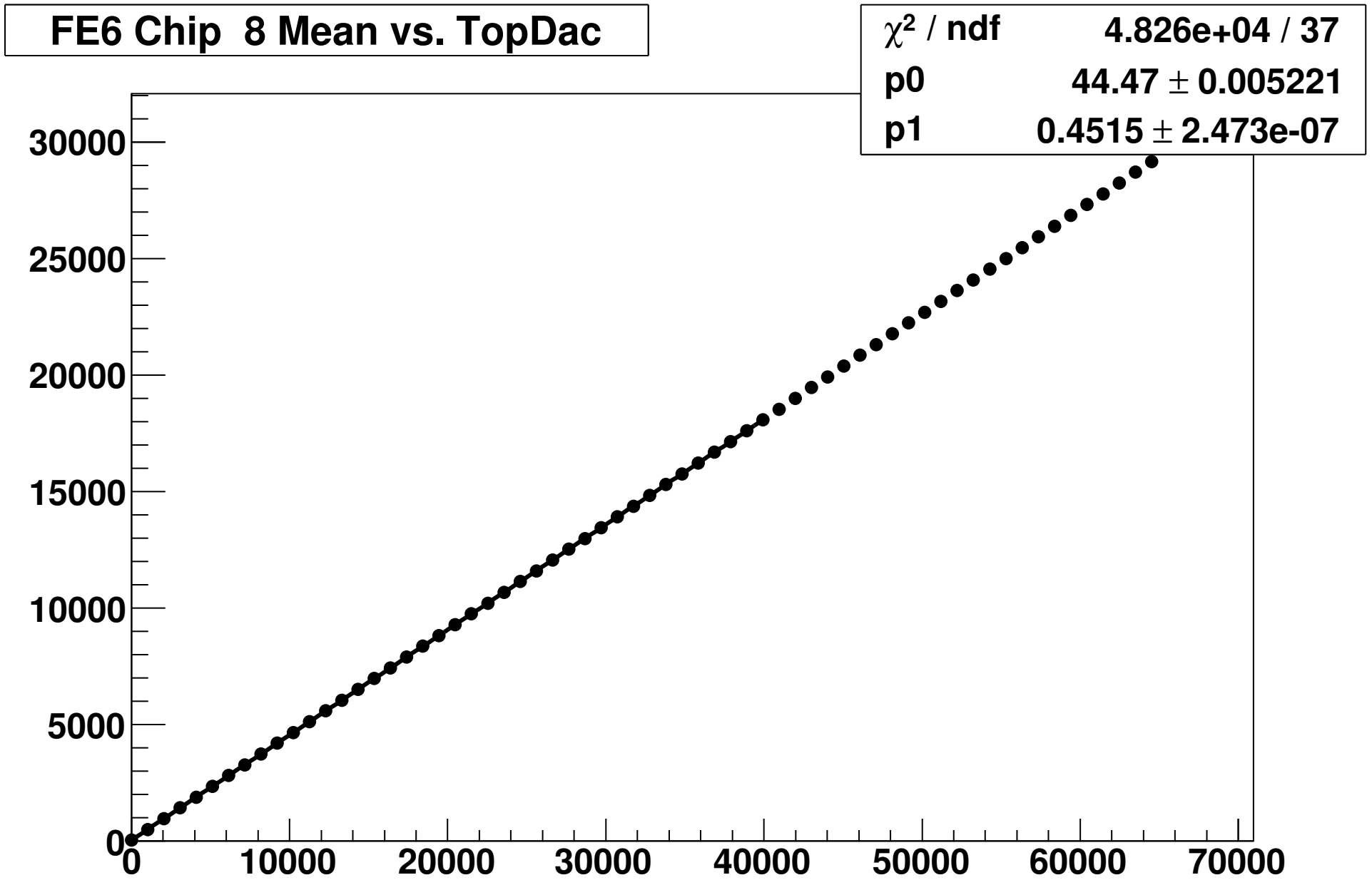
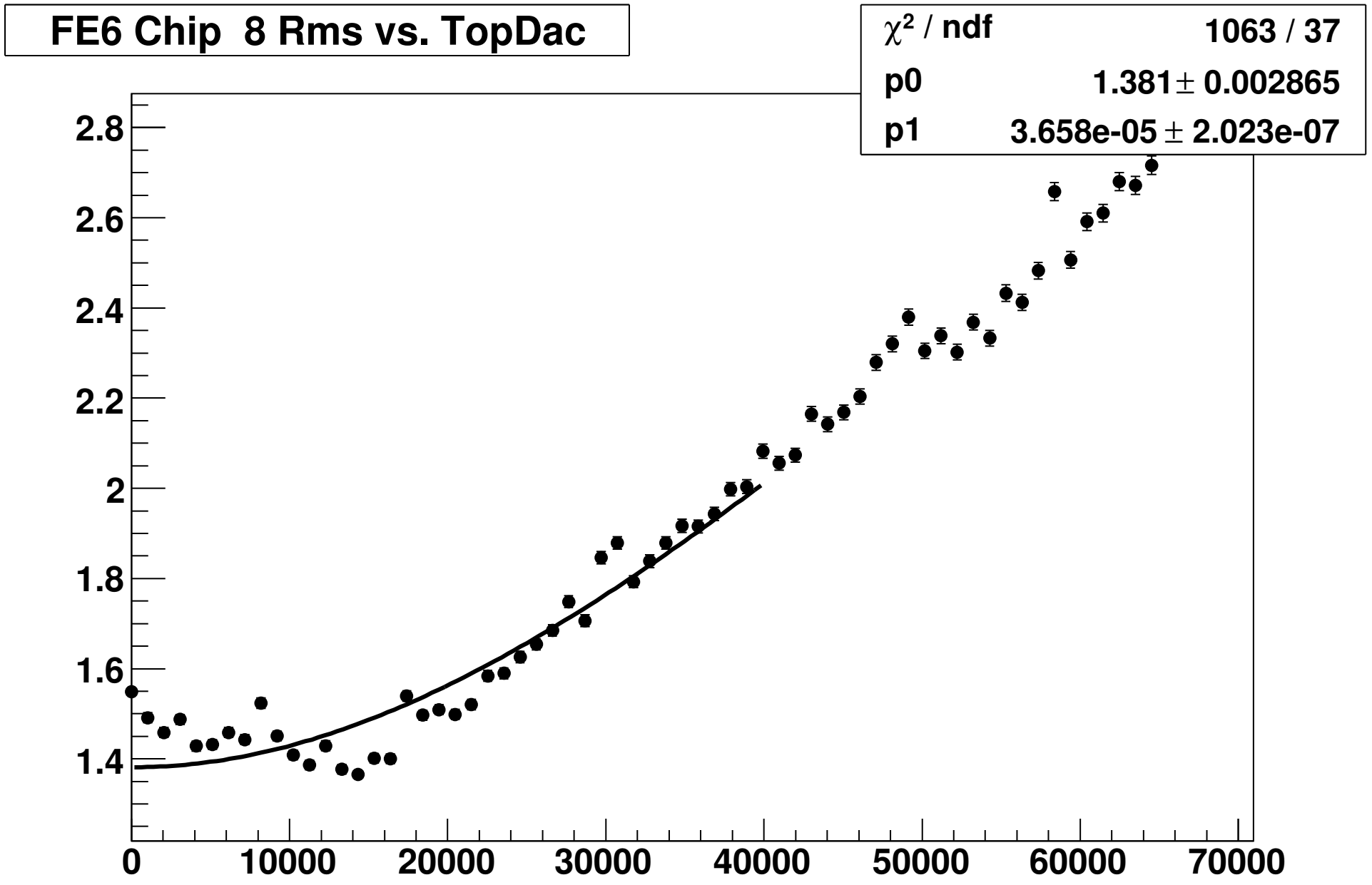

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 4.826e+04 / 37
p0 44.47 ± 0.005221
p1 0.4515 ± 2.473e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1063 / 37
p0 1.381 ± 0.002865
p1 3.658e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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60000
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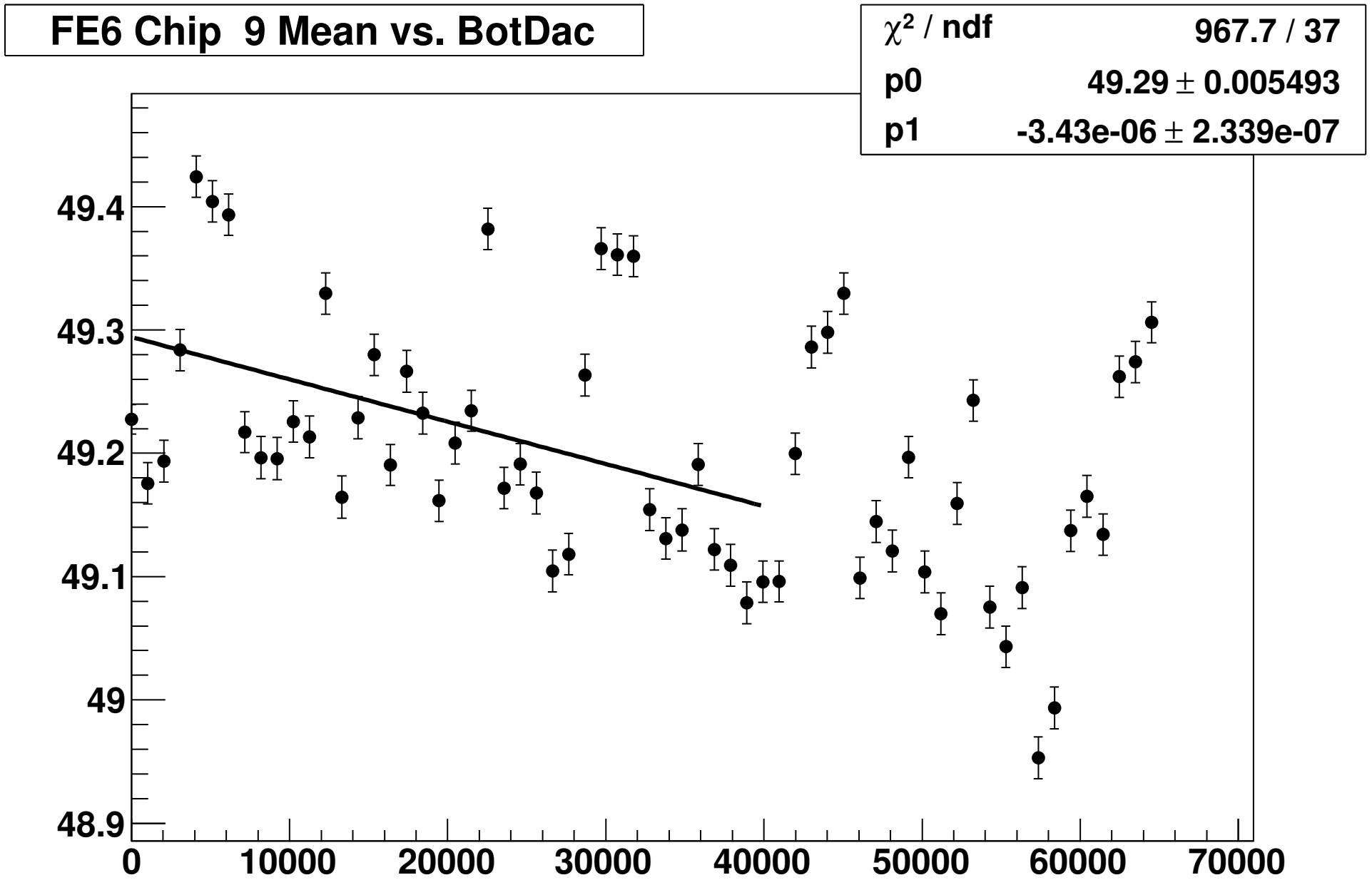
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 967.7 / 37
p0 49.29 ± 0.005493
p1 -3.43e-06 ± 2.339e-07
49.4
49.3
49.2
49.1
49
48.9
0
10000
20000
30000
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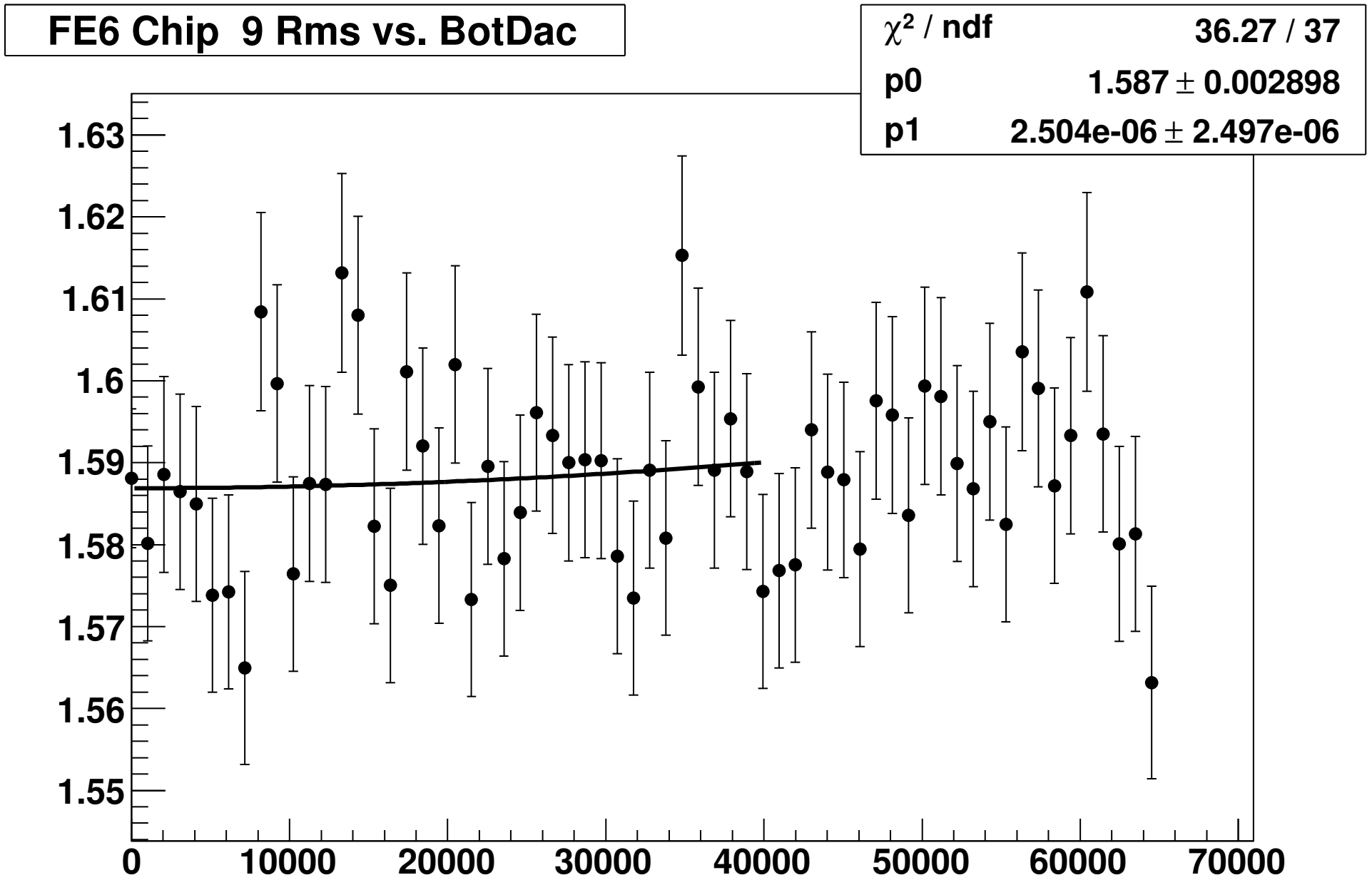
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 36.27 / 37
p0 1.587 ± 0.002898
p1 2.504e-06 ± 2.497e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
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50000
60000
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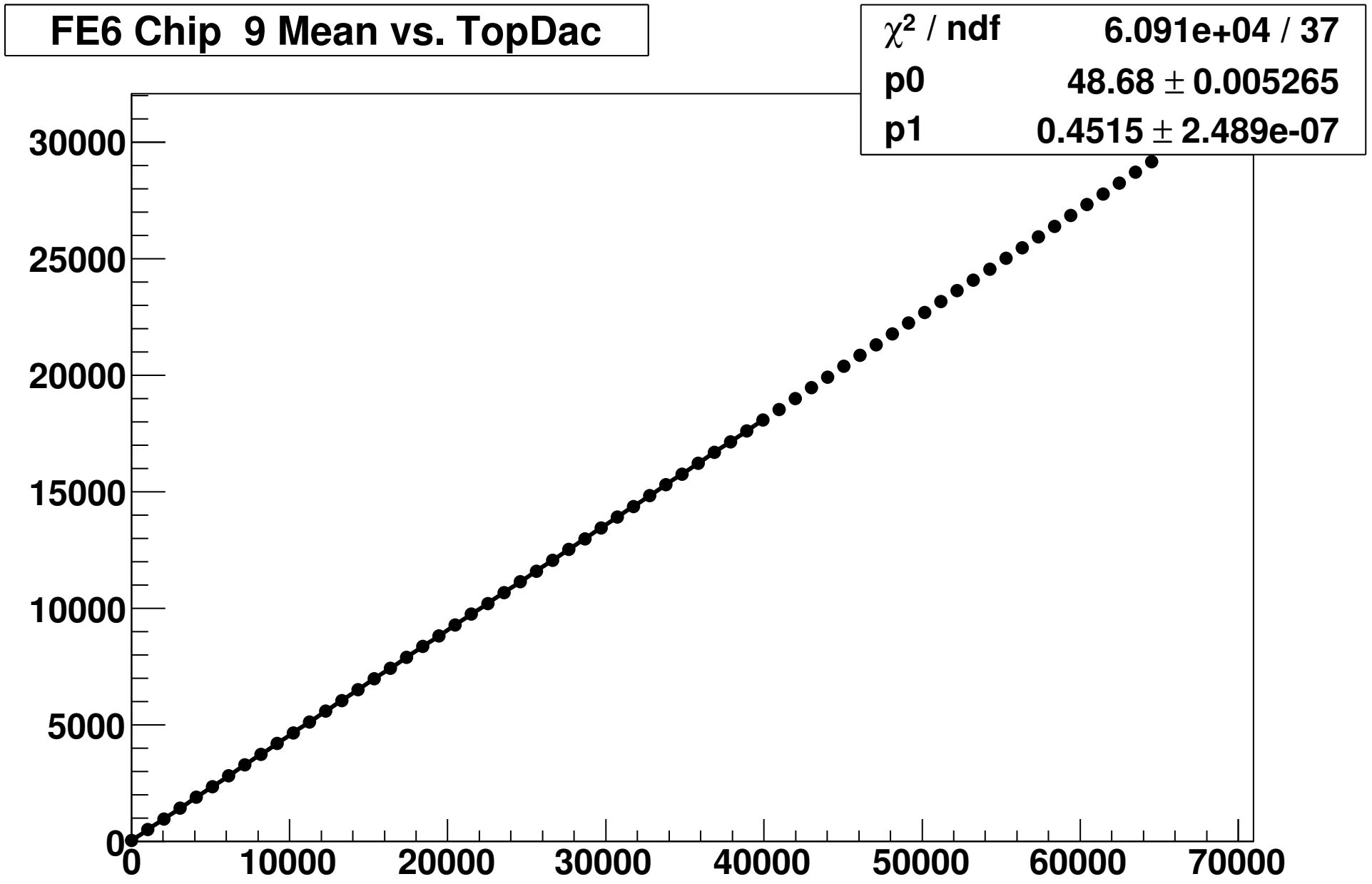
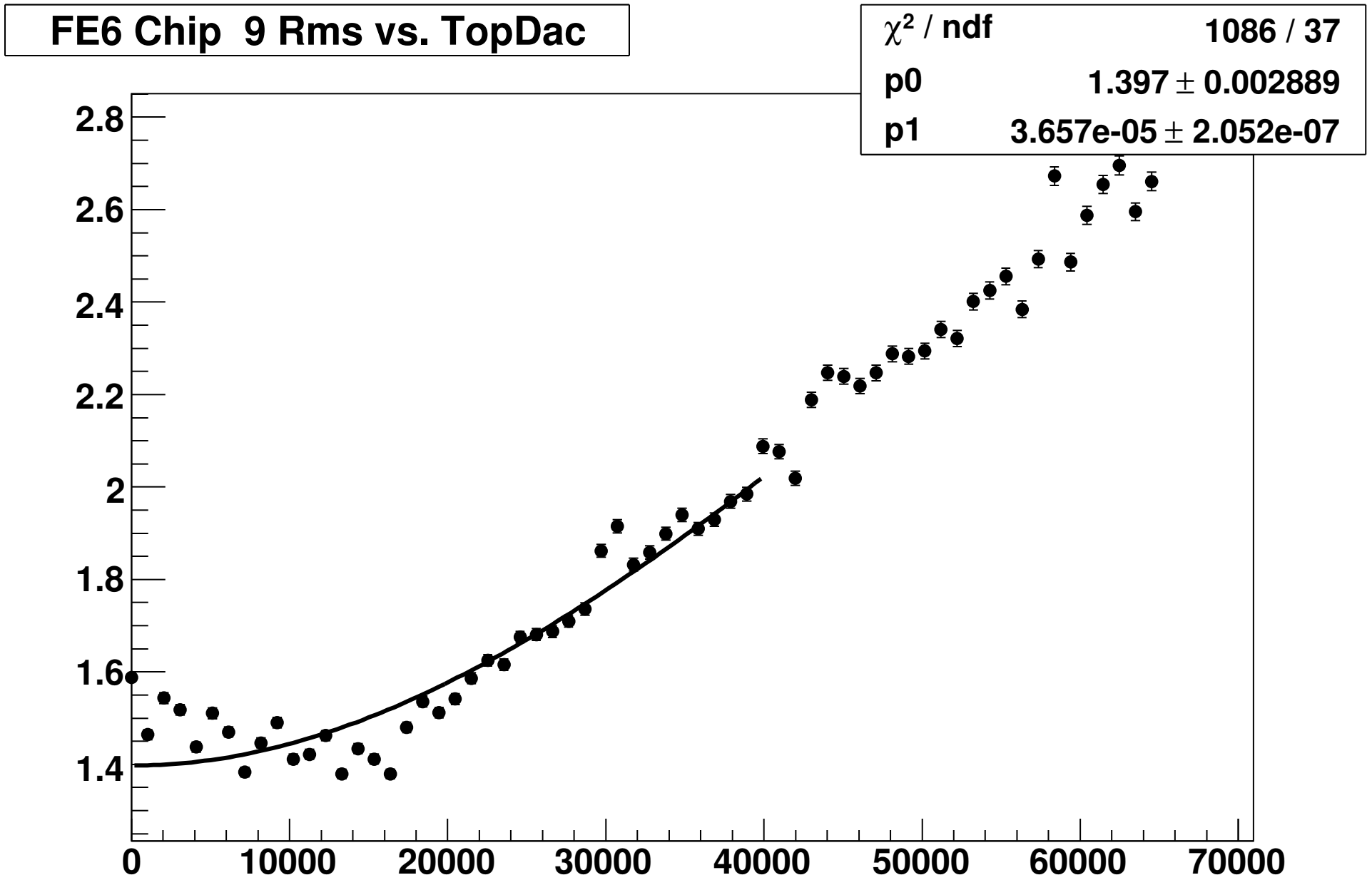

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 6.091e+04 / 37
p0 48.68 ± 0.005265
p1 0.4515 ± 2.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1086 / 37
p0 1.397 ± 0.002889
p1 3.657e-05 ± 2.052e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
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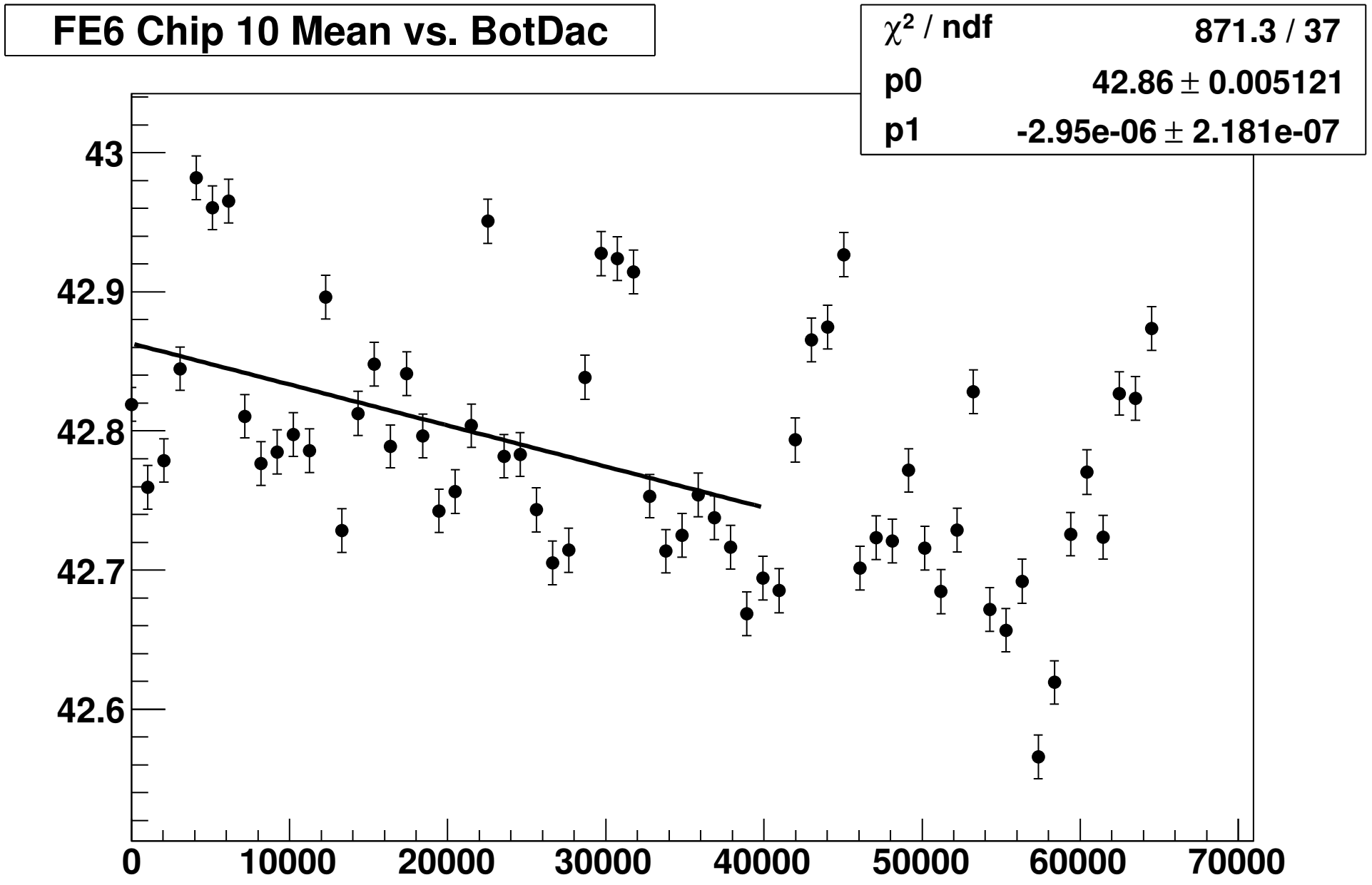
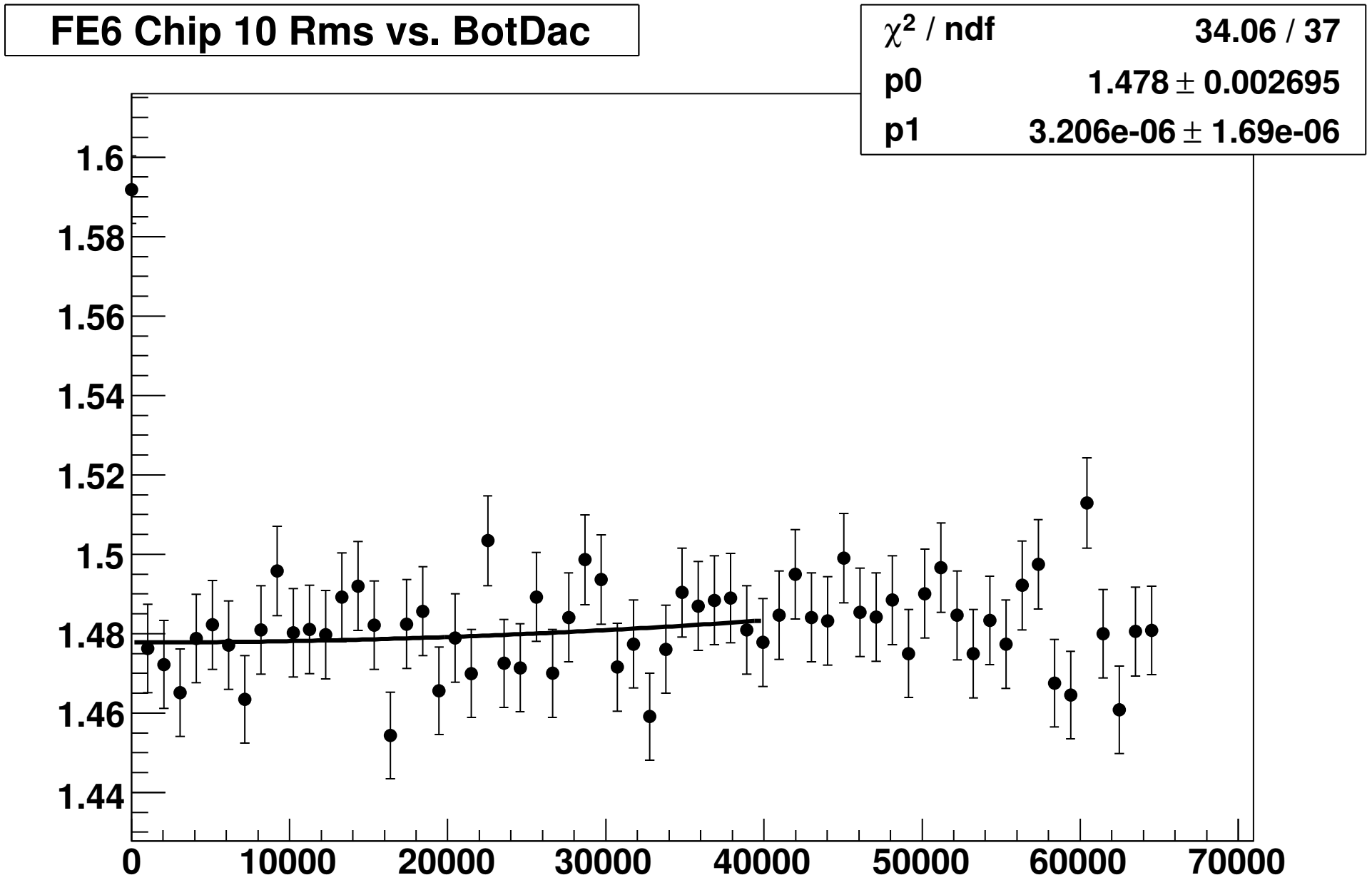
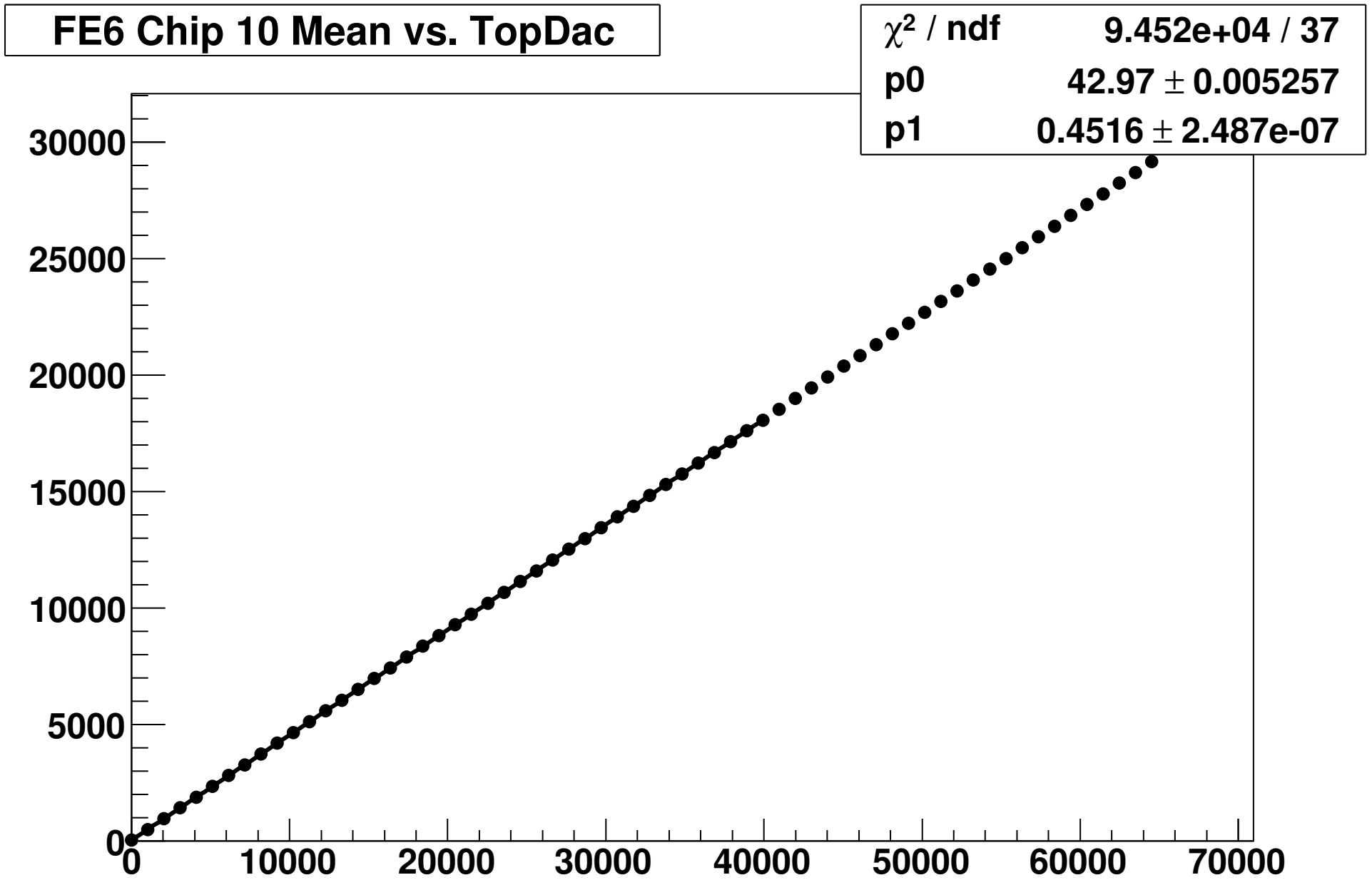

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 871.3 / 37
p0 42.86 ± 0.005121
p1 -2.95e-06 ± 2.181e-07
43
42.9
42.8
42.7
42.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 34.06 / 37
p0 1.478 ± 0.002695
p1 3.206e-06 ± 1.69e-06
1.6
1.58
1.56
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 9.452e+04 / 37
p0 42.97 ± 0.005257
p1 0.4516 ± 2.487e-07
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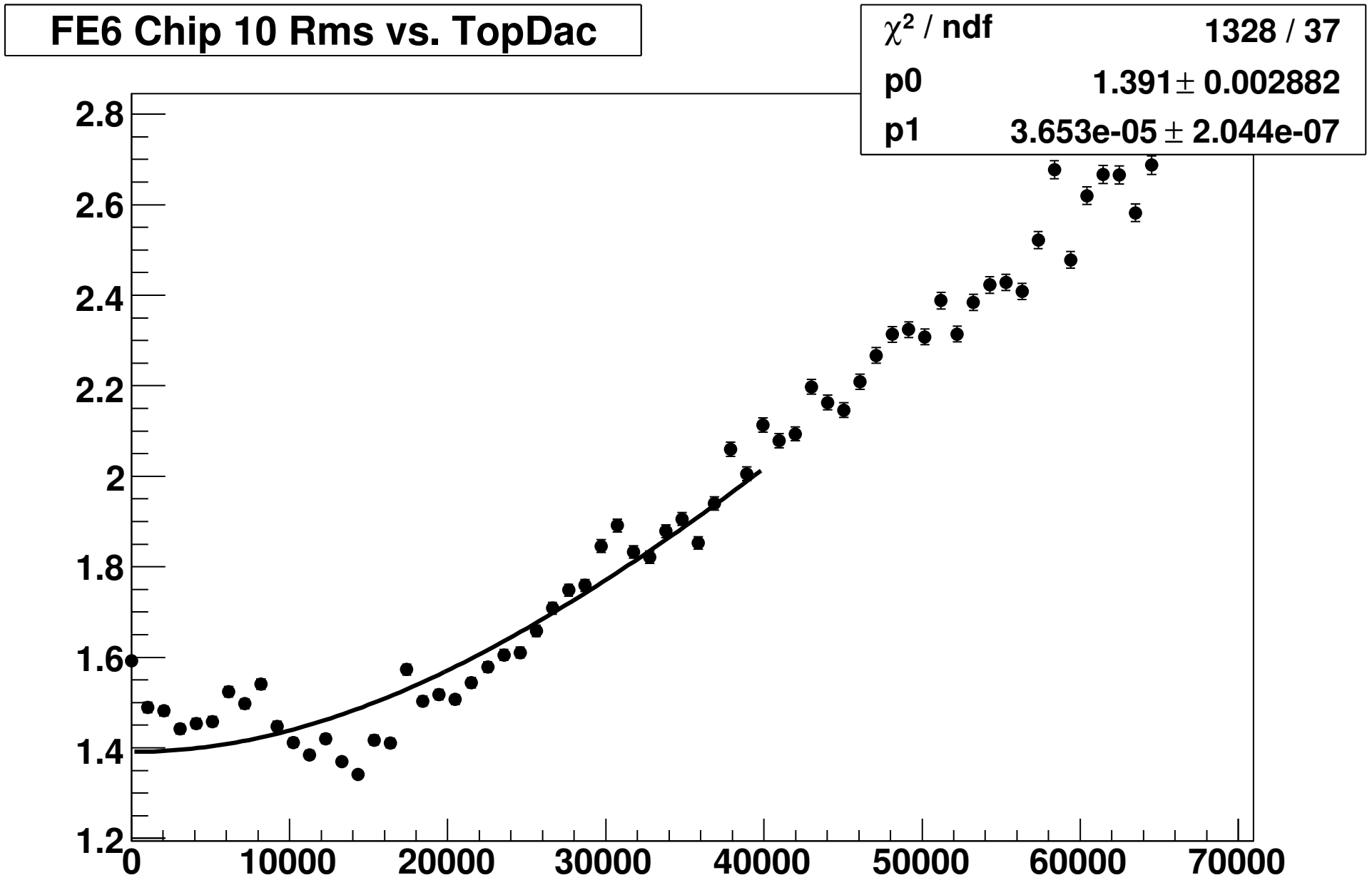
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1328 / 37
p0 1.391 ± 0.002882
p1 3.653e-05 ± 2.044e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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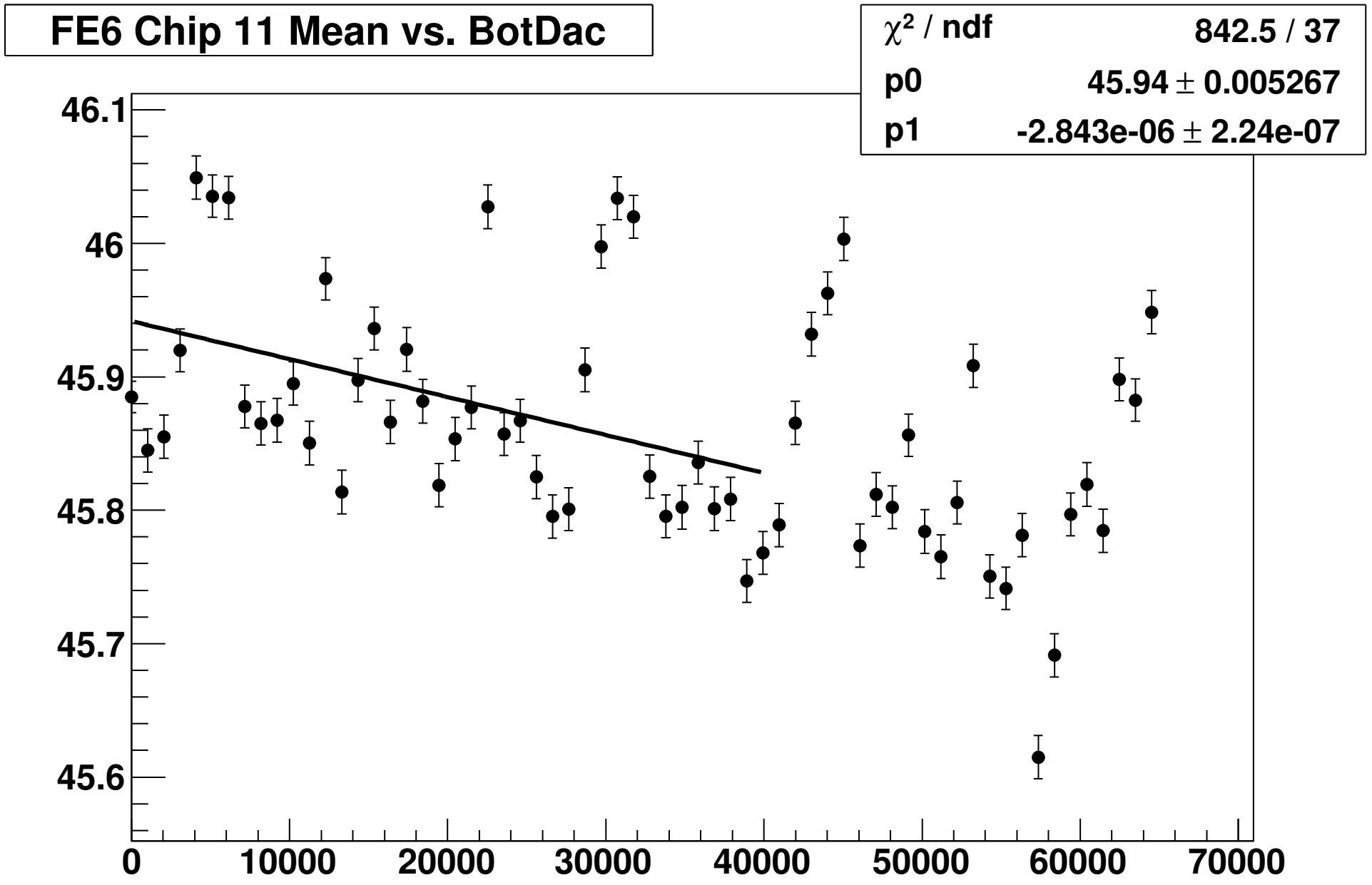
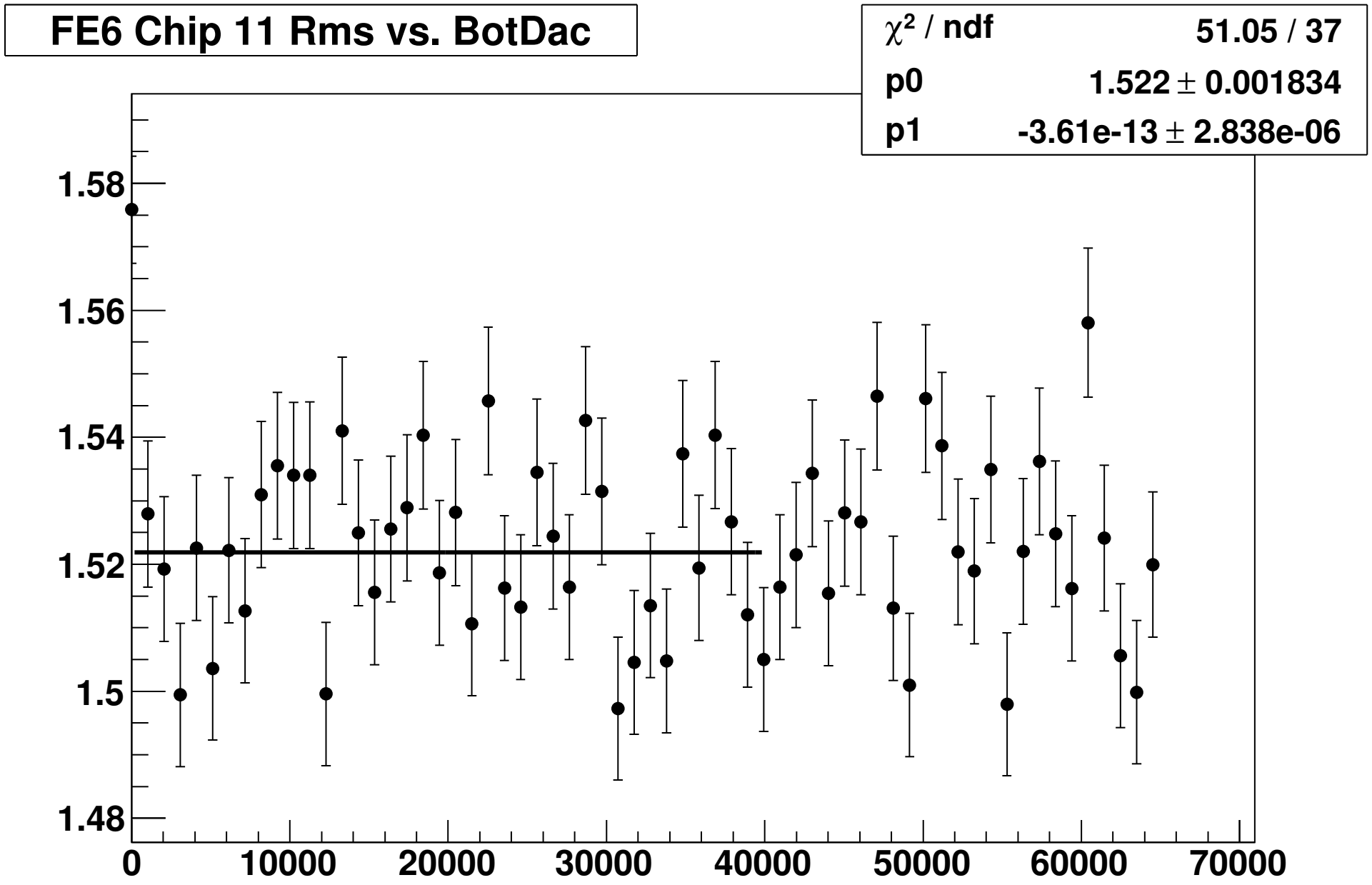
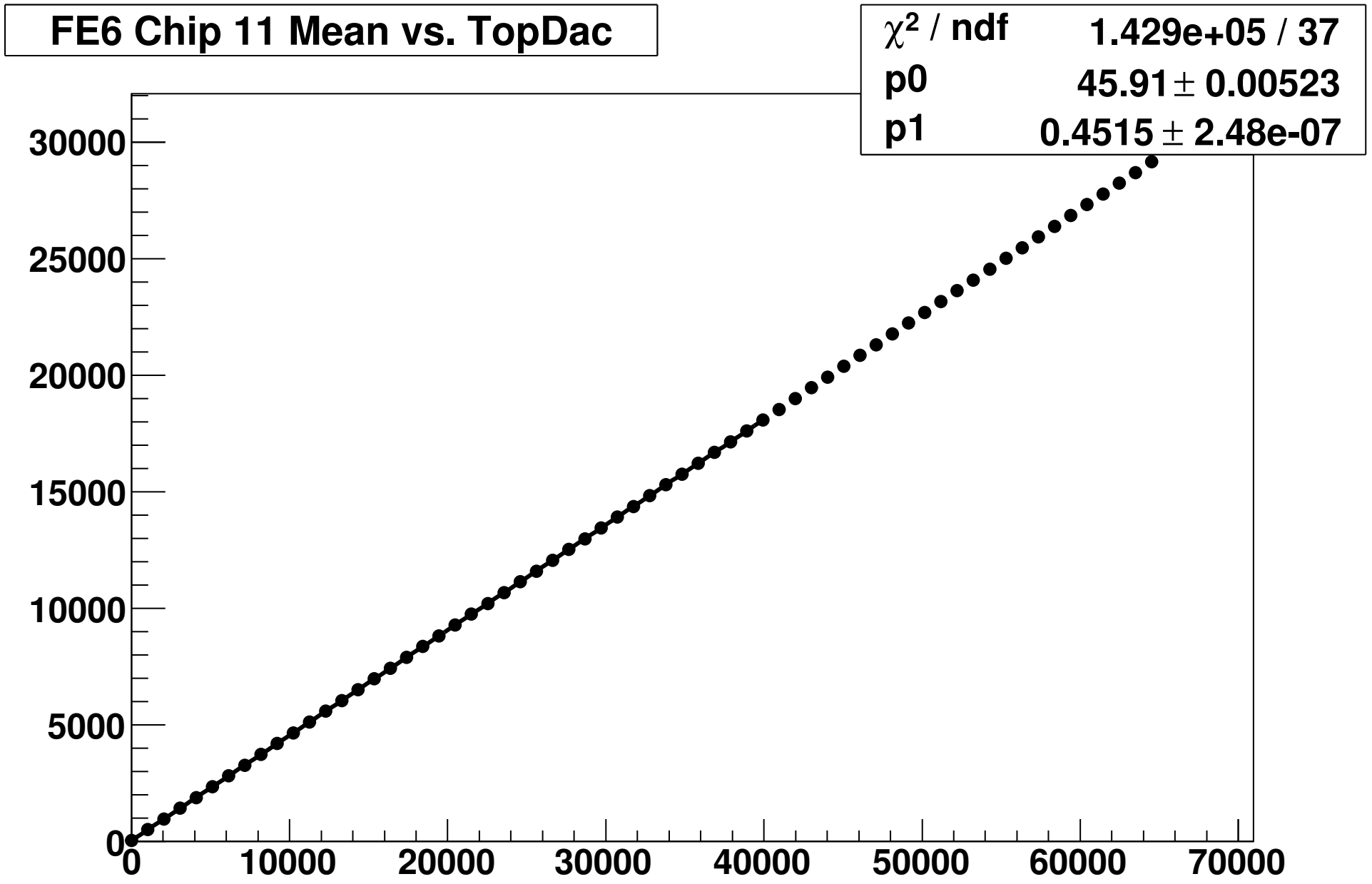

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 842.5 / 37
p0 45.94 ± 0.005267
p1 -2.843e-06 ± 2.24e-07
46.1
46
45.9
45.8
45.7
45.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 51.05 / 37
p0 1.522 ± 0.001834
p1 -3.61e-13 ± 2.838e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.429e+05 / 37
p0 45.91 ± 0.00523
p1 0.4515 ± 2.48e-07
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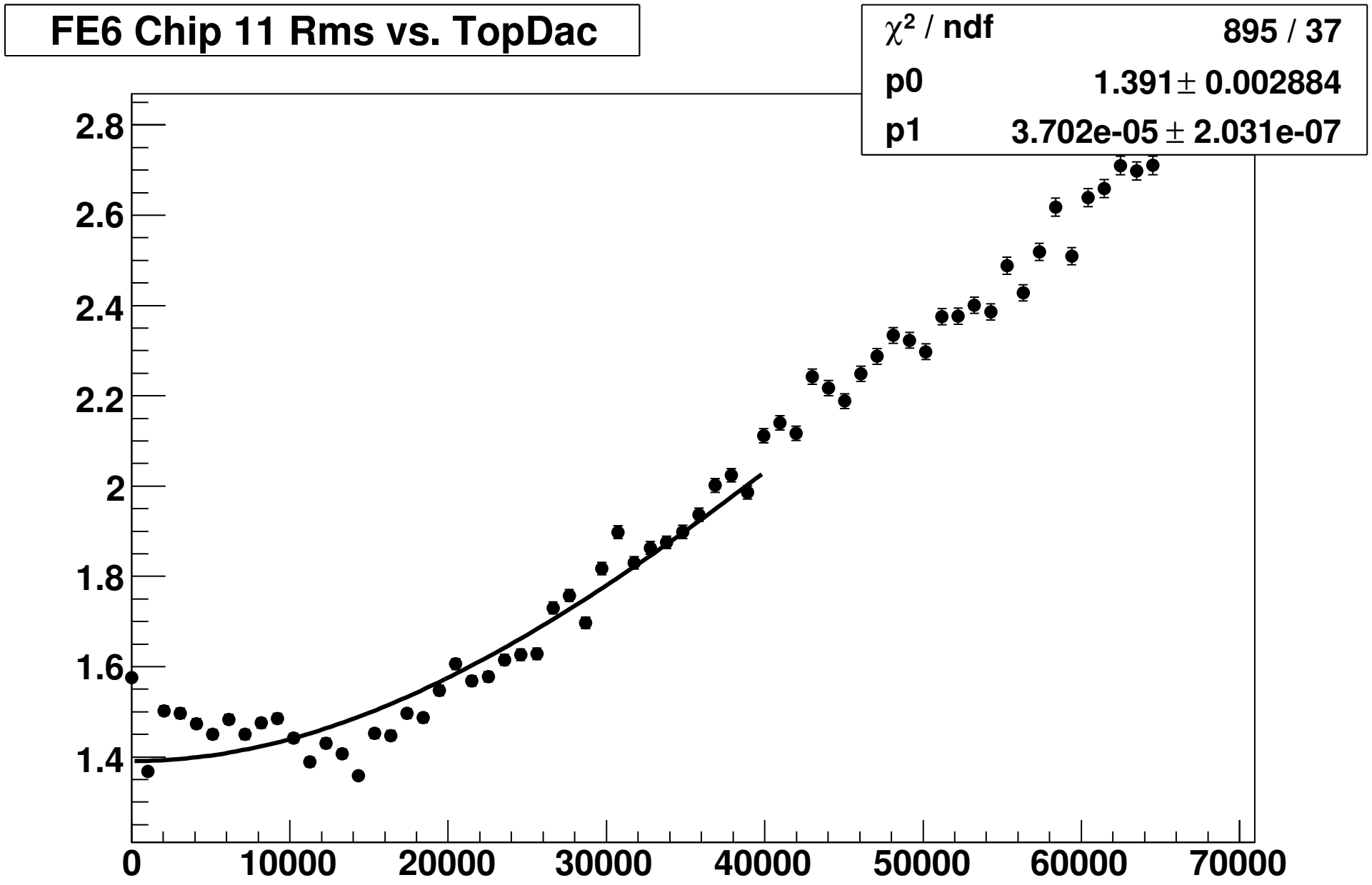
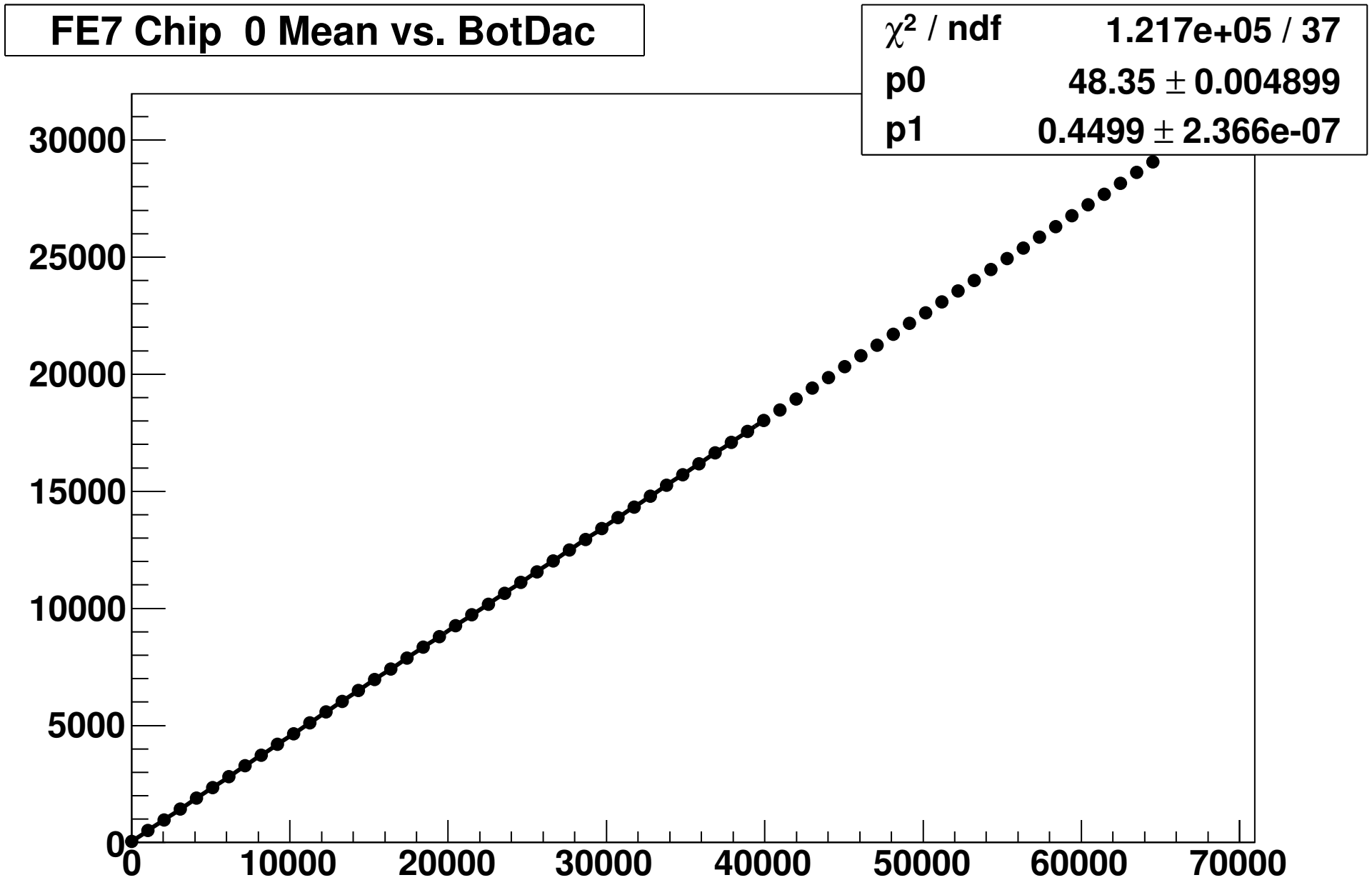
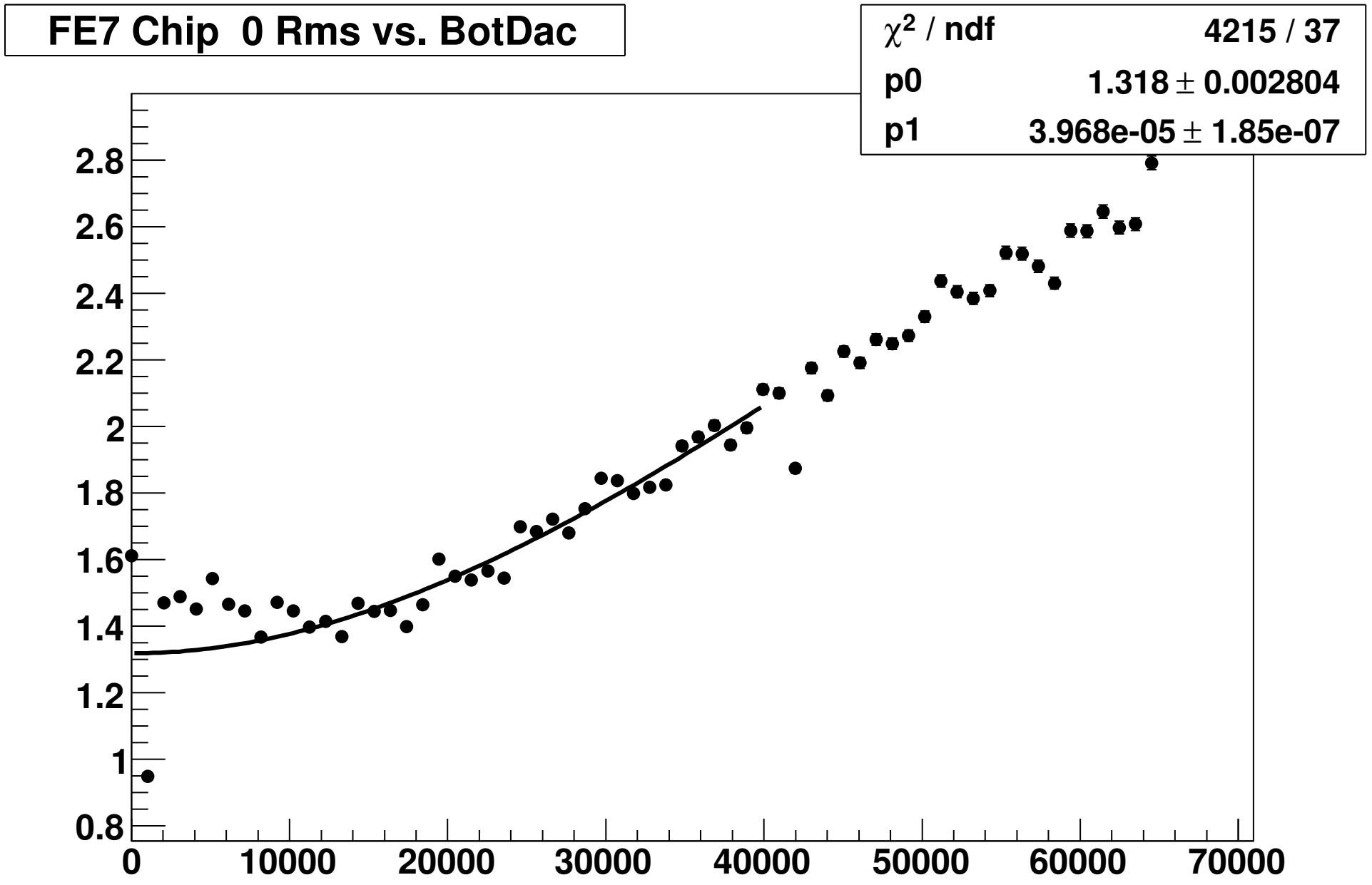
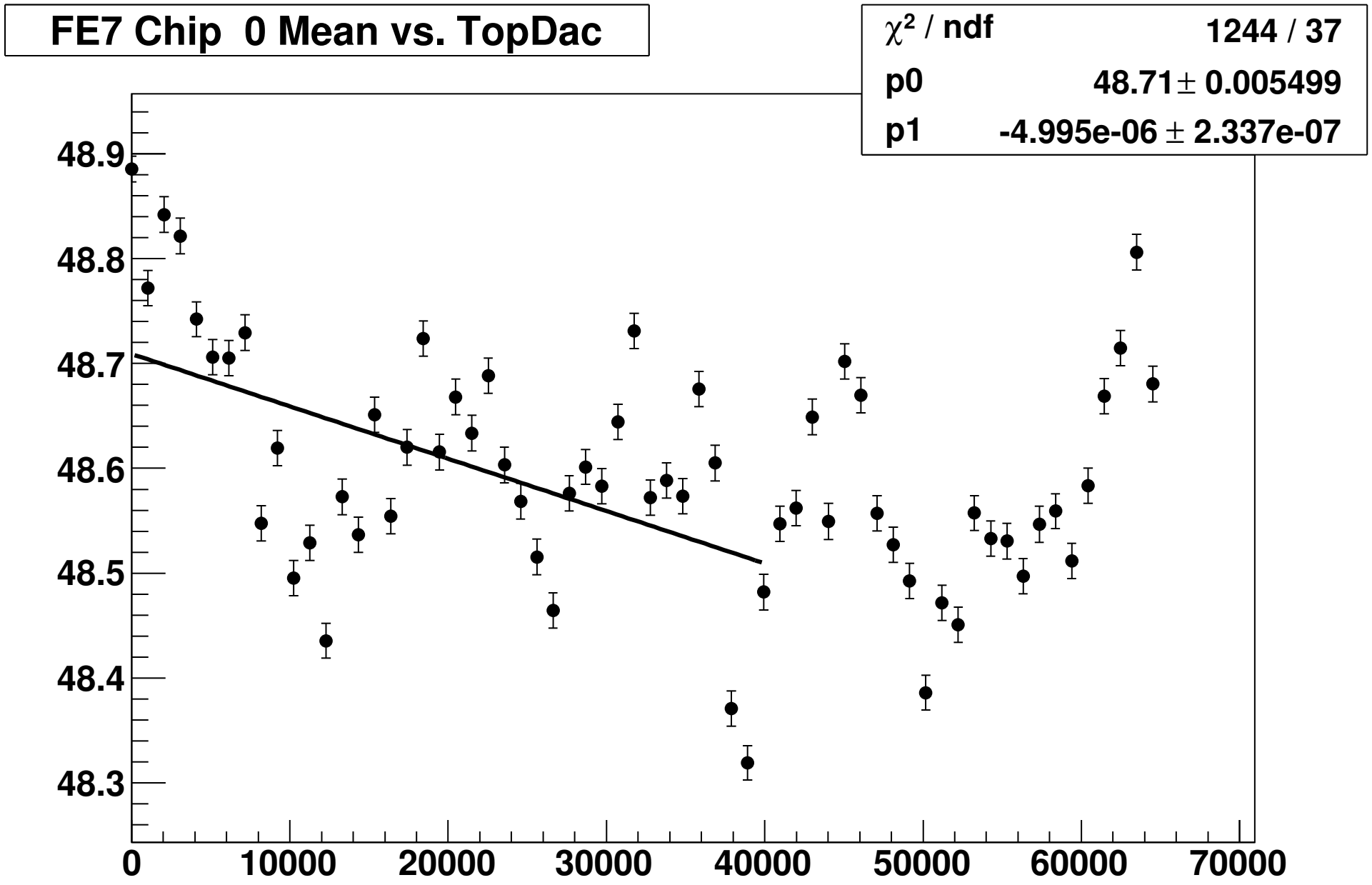
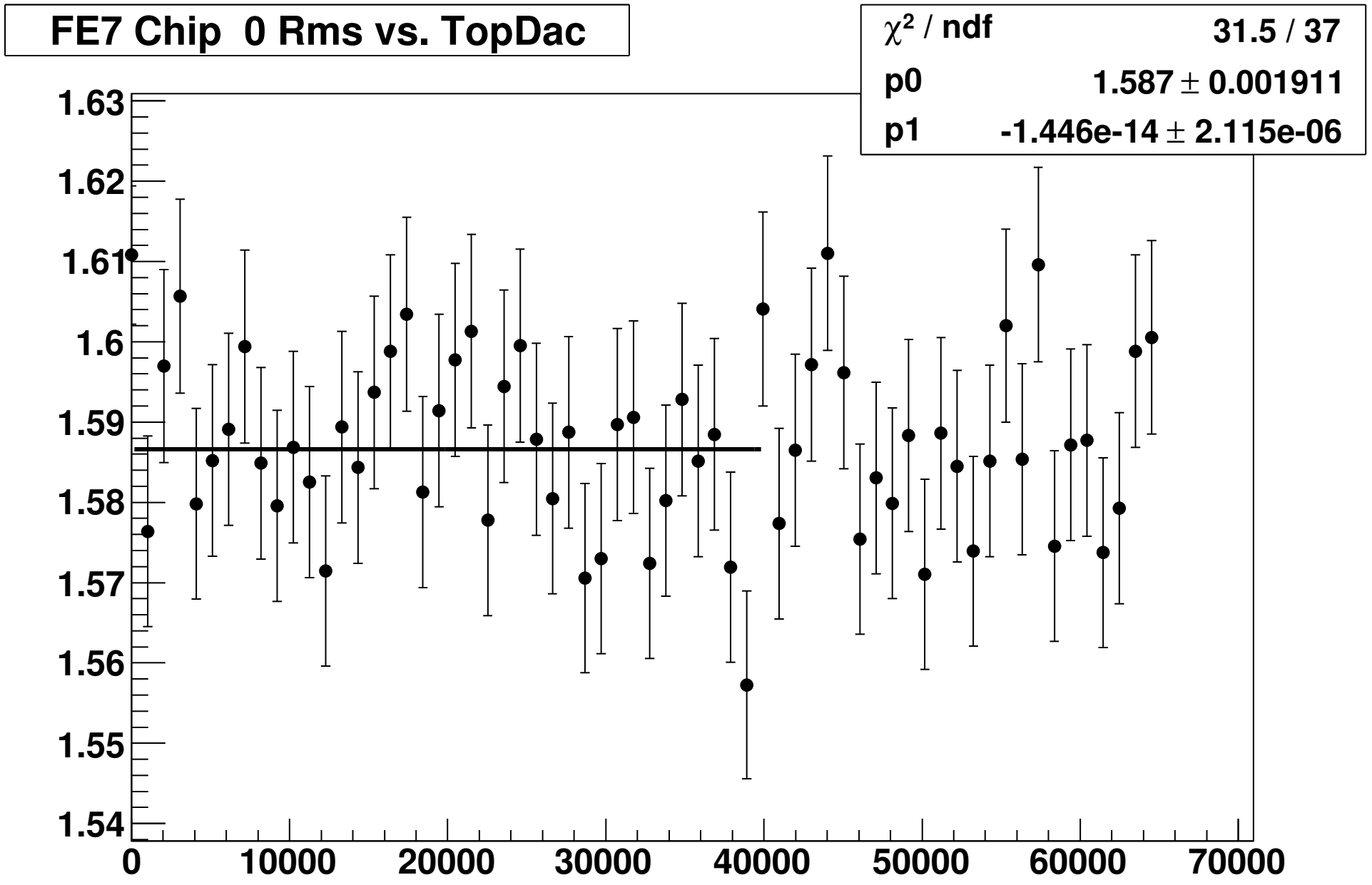
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

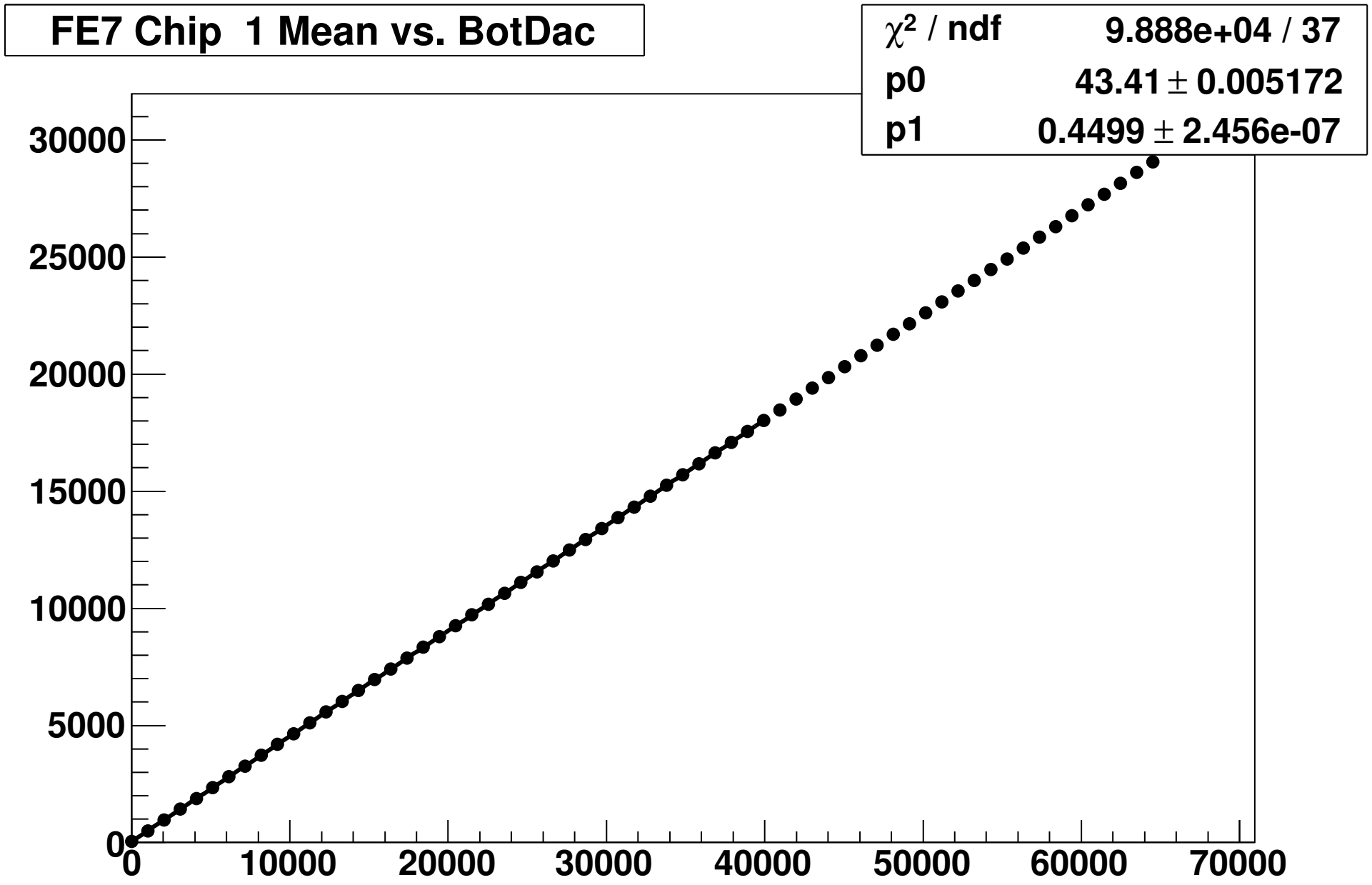

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 895 / 37
p0 1.391 ± 0.002884
p1 3.702e-05 ± 2.031e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

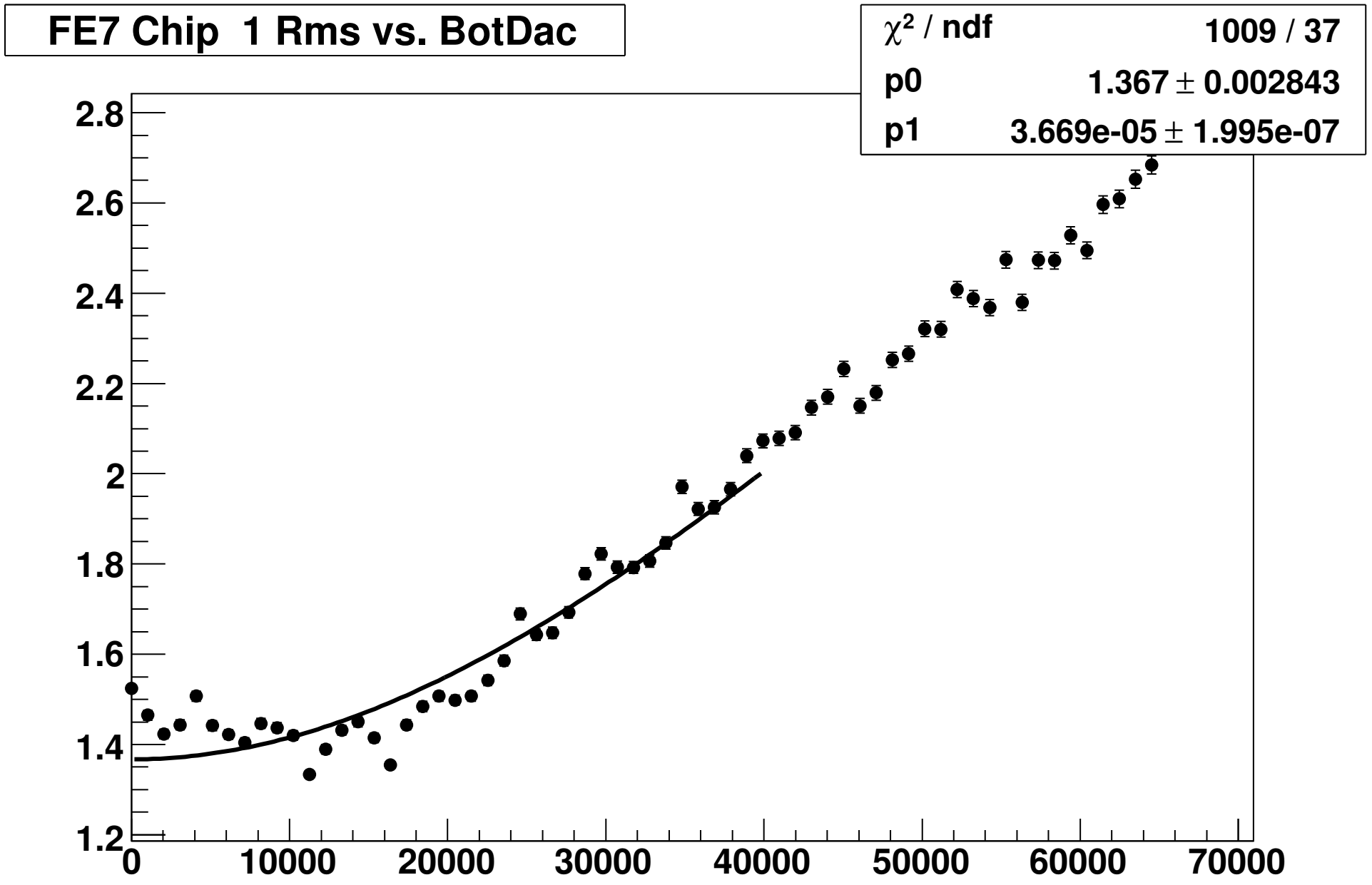

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.217e+05 / 37
p0 48.35 ± 0.004899
p1 0.4499 ± 2.366e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

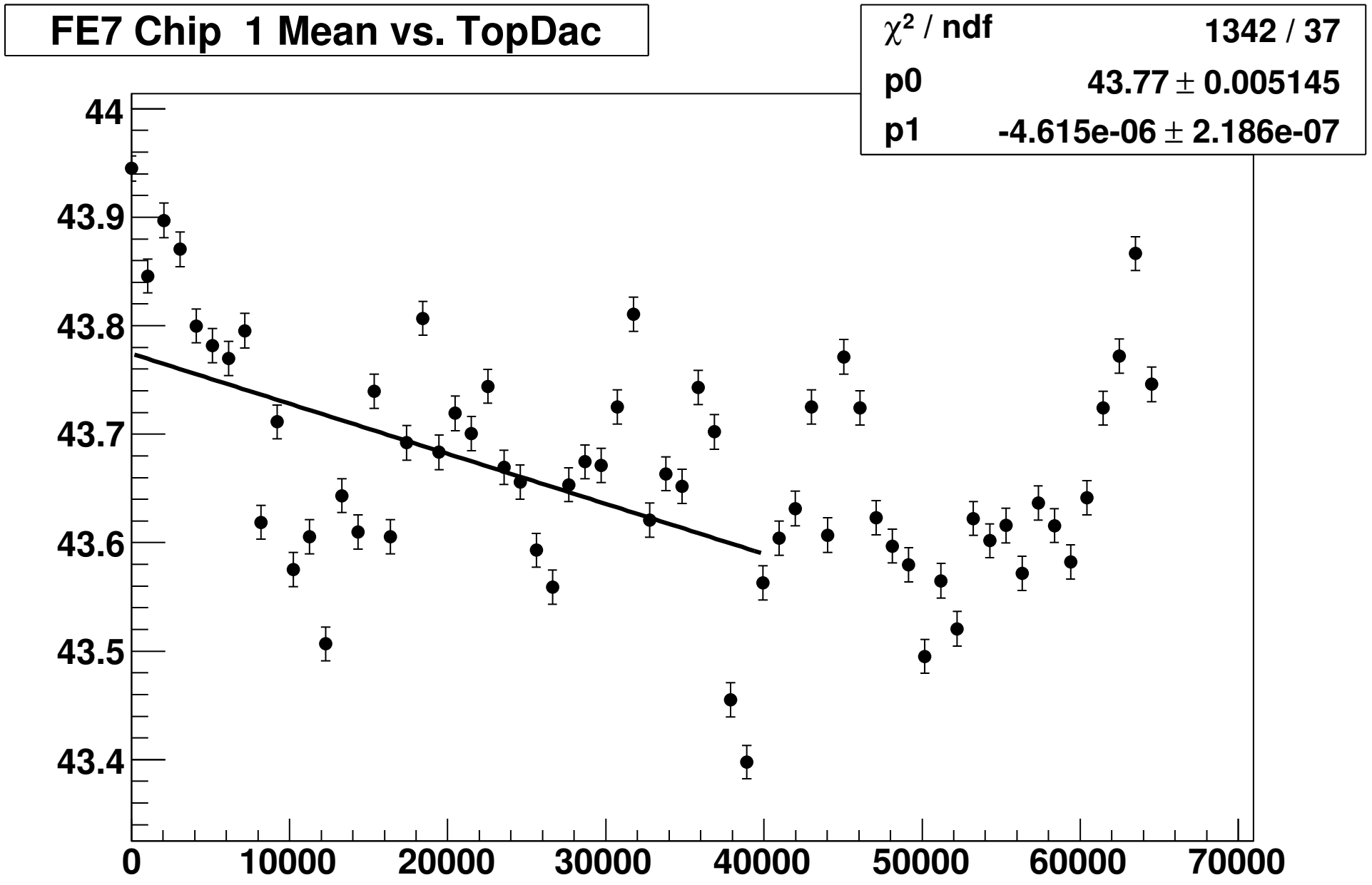

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 4215 / 37
p0 1.318 ± 0.002804
p1 3.968e-05 ± 1.85e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000
70000

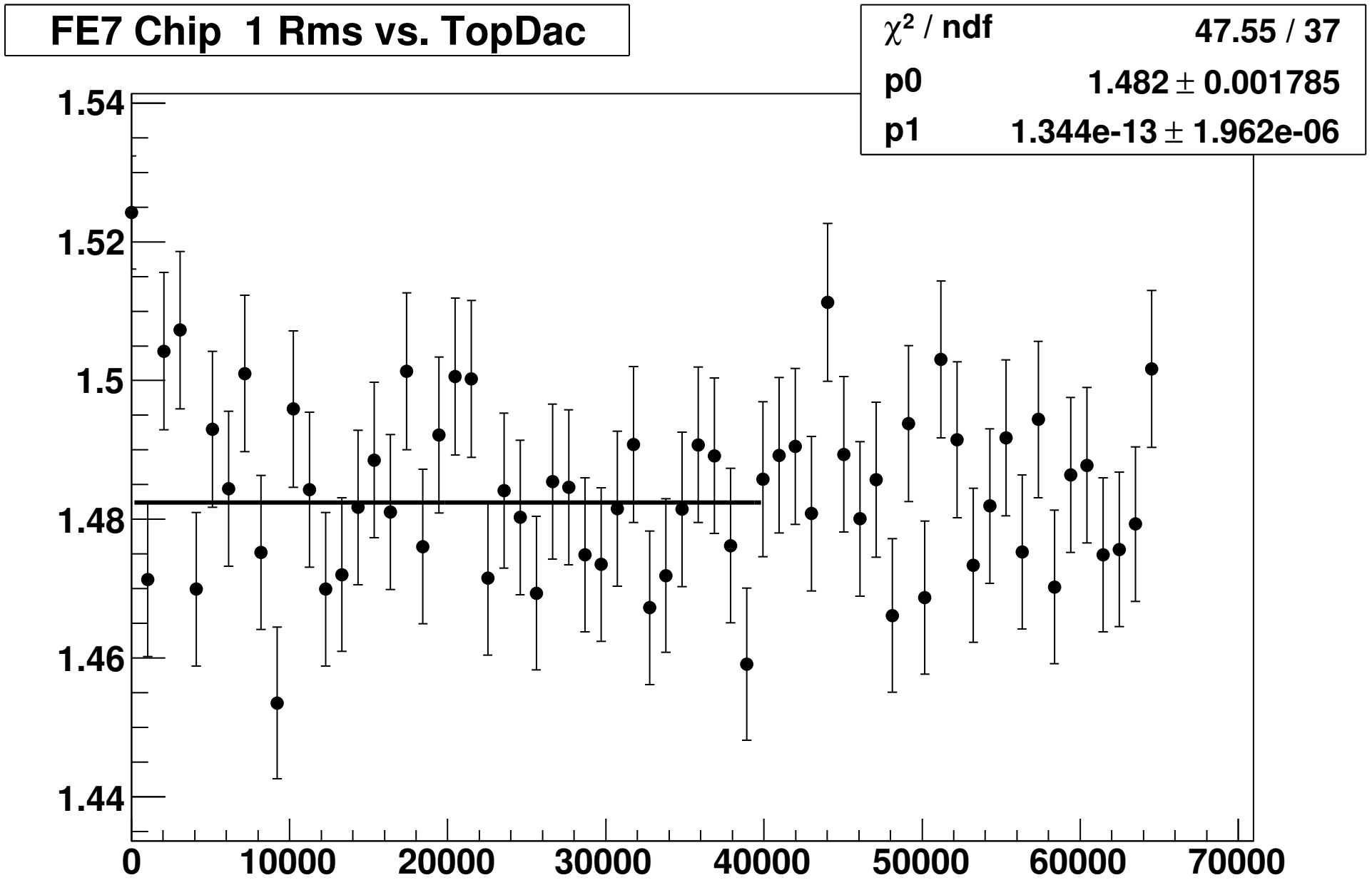

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 1244 / 37
p0 48.71 ± 0.005499
p1 -4.995e-06 ± 2.337e-07
48.9
48.8
48.7
48.6
48.5
48.4
48.3
0
10000
20000
30000
40000
50000
60000
70000

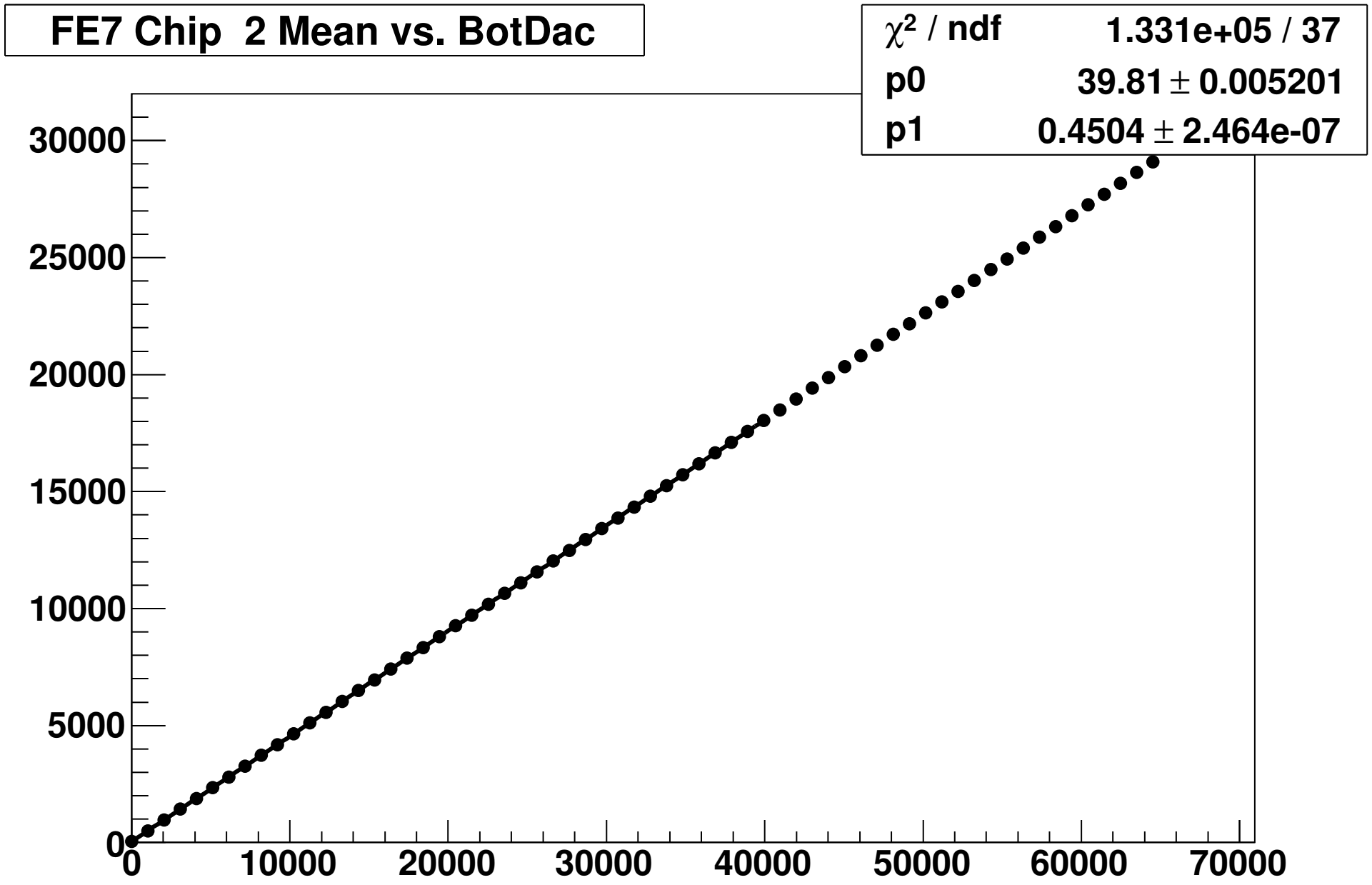

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 31.5 / 37
p0 1.587 ± 0.001911
p1 -1.446e-14 ± 2.115e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
70000

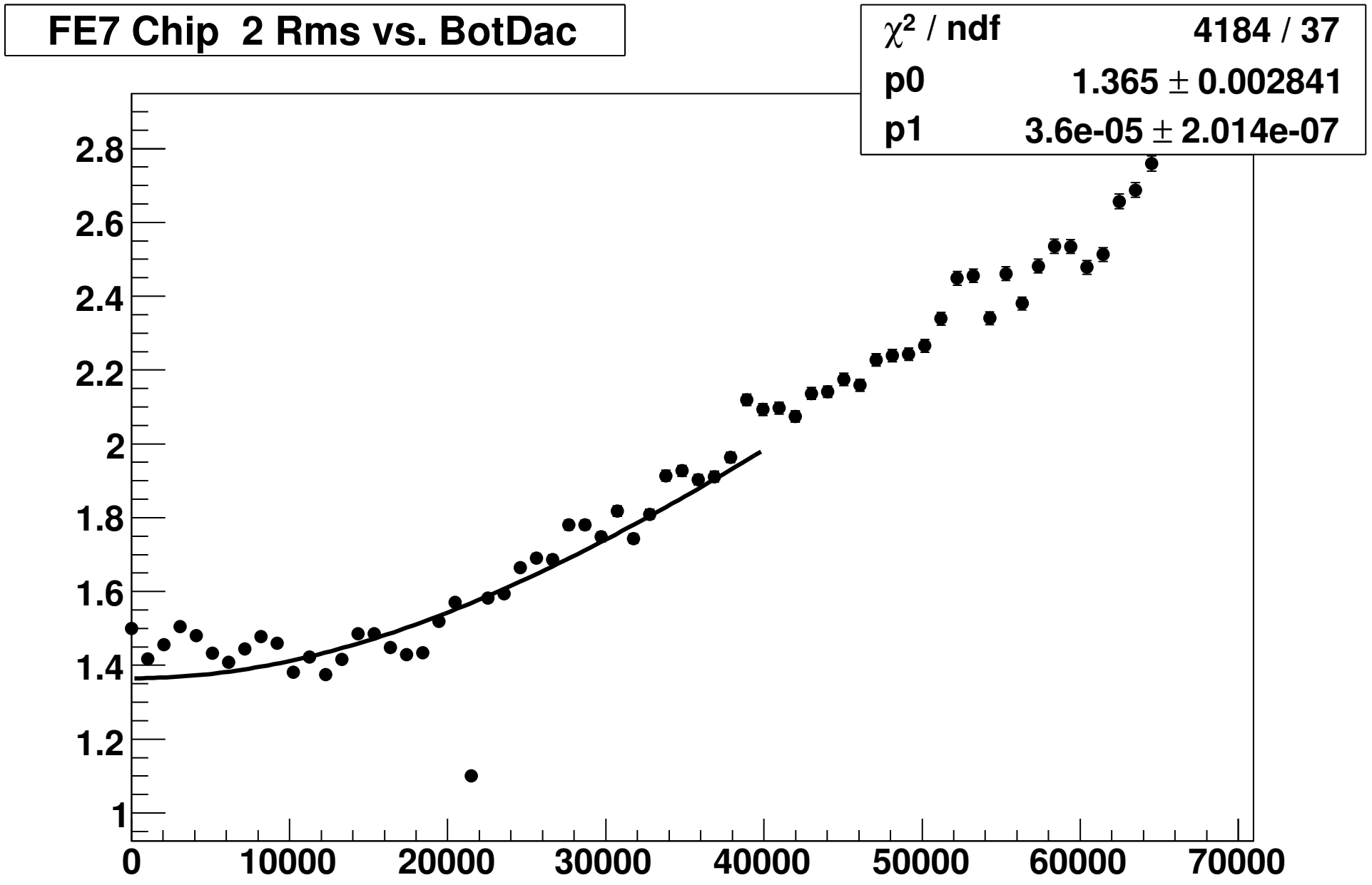

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 9.888e+04 / 37
p0 43.41 ± 0.005172
p1 0.4499 ± 2.456e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

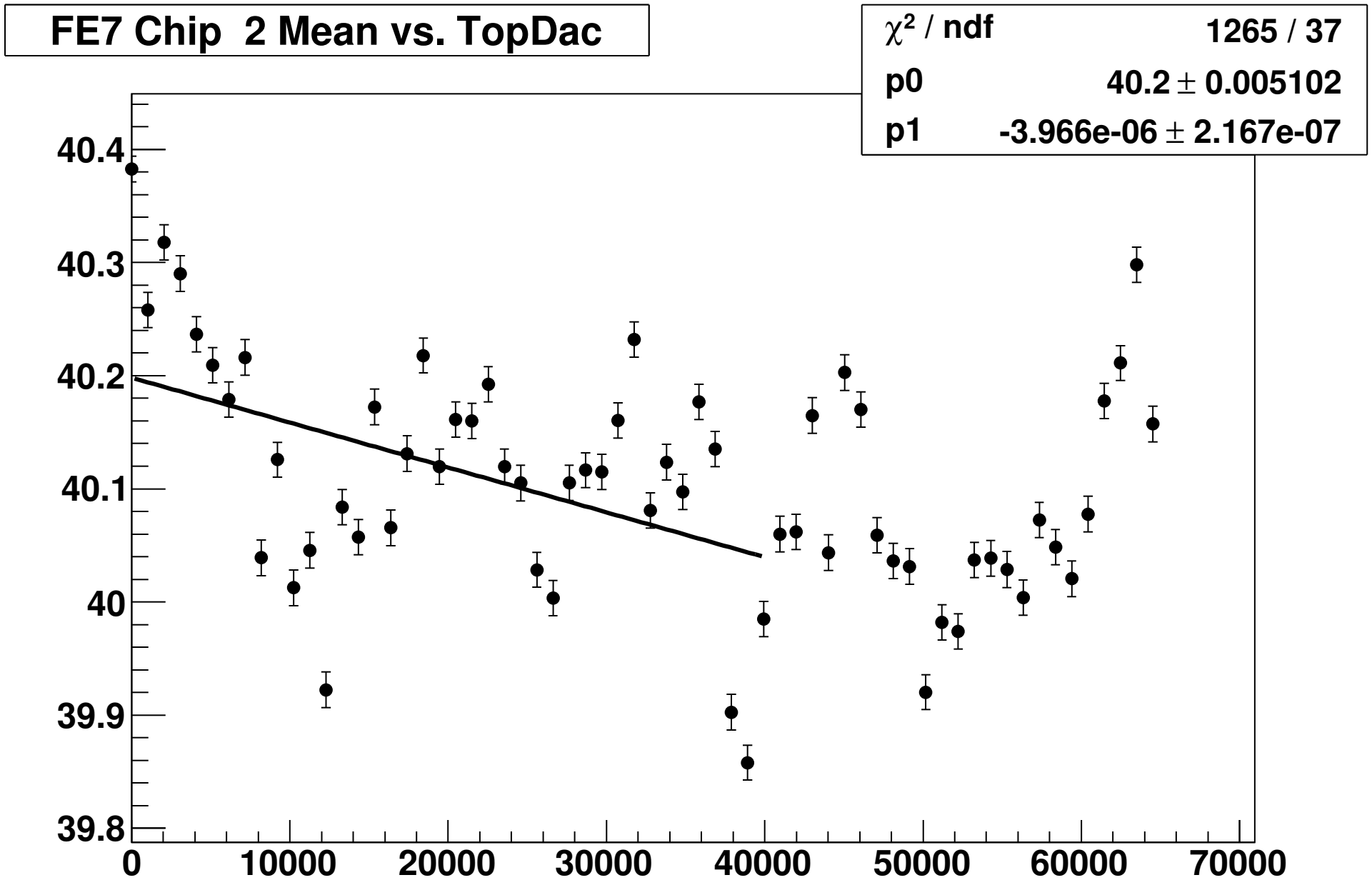

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1009 / 37
p0 1.367 ± 0.002843
p1 3.669e-05 ± 1.995e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

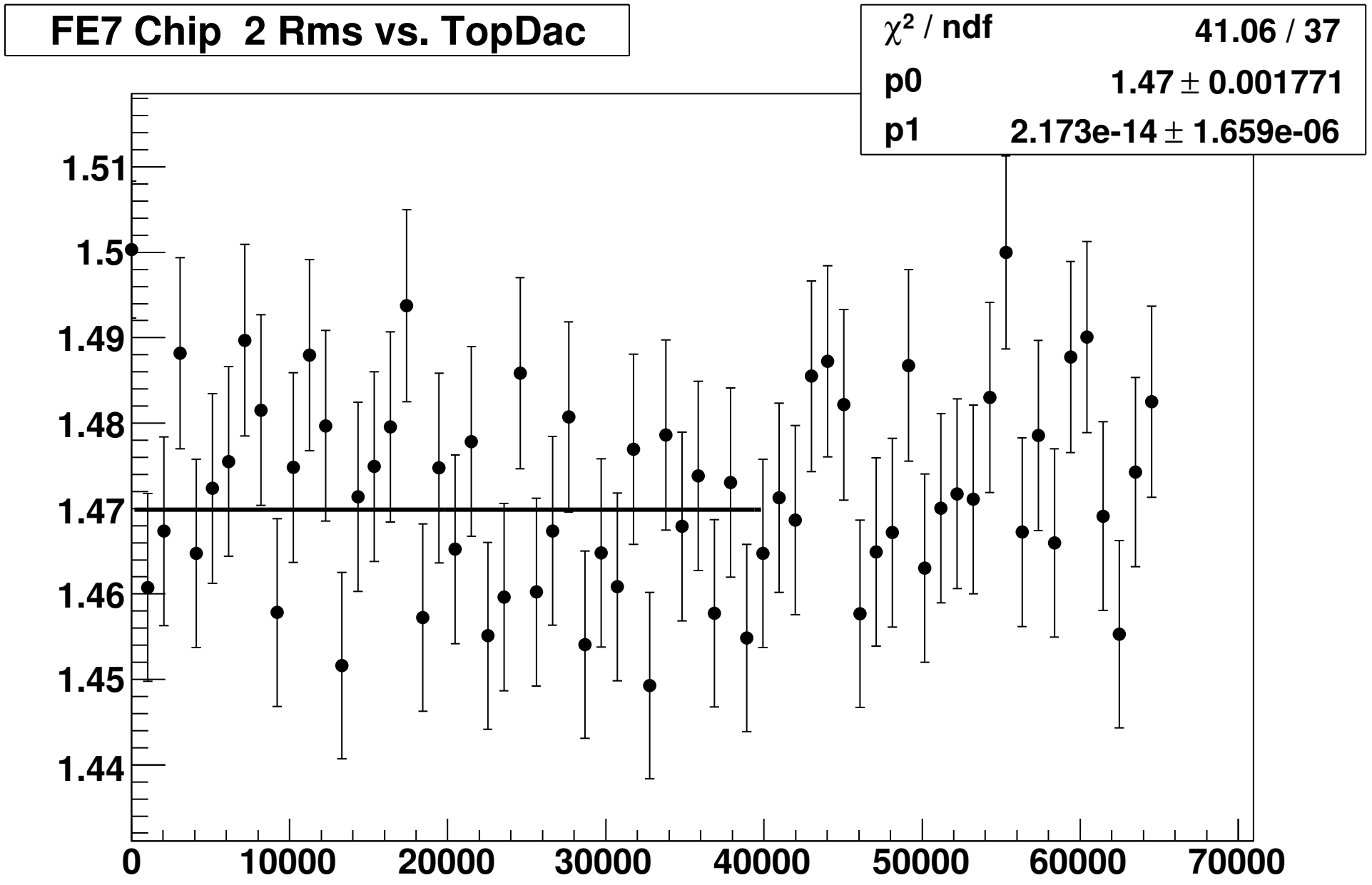

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 1342 / 37
p0 43.77 ± 0.005145
p1 -4.615e-06 ± 2.186e-07
44
43.9
43.8
43.7
43.6
43.5
43.4
0
10000
20000
30000
40000
50000
60000
70000

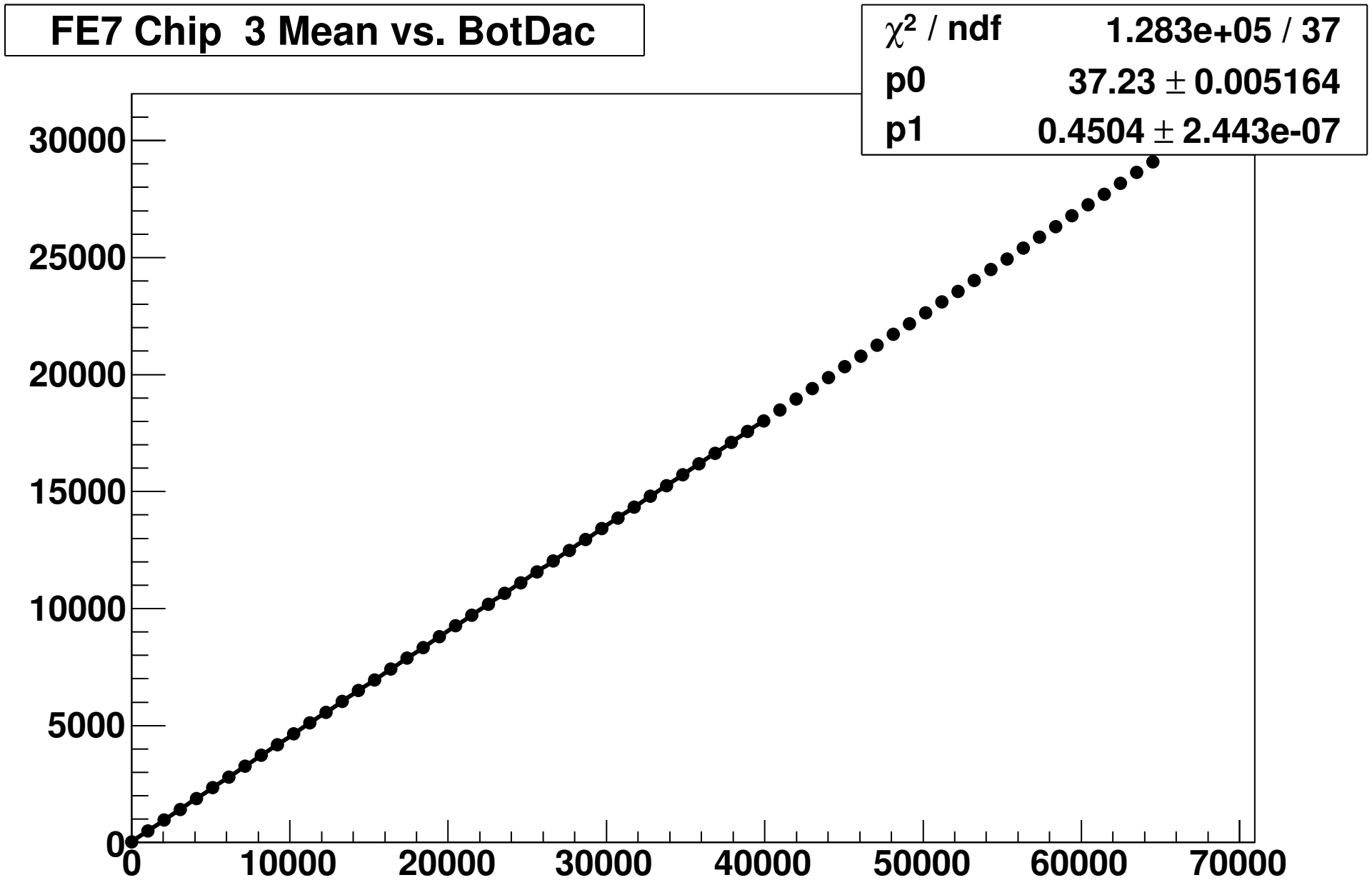

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 47.55 / 37
p0 1.482 ± 0.001785
p1 1.344e-13 ± 1.962e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

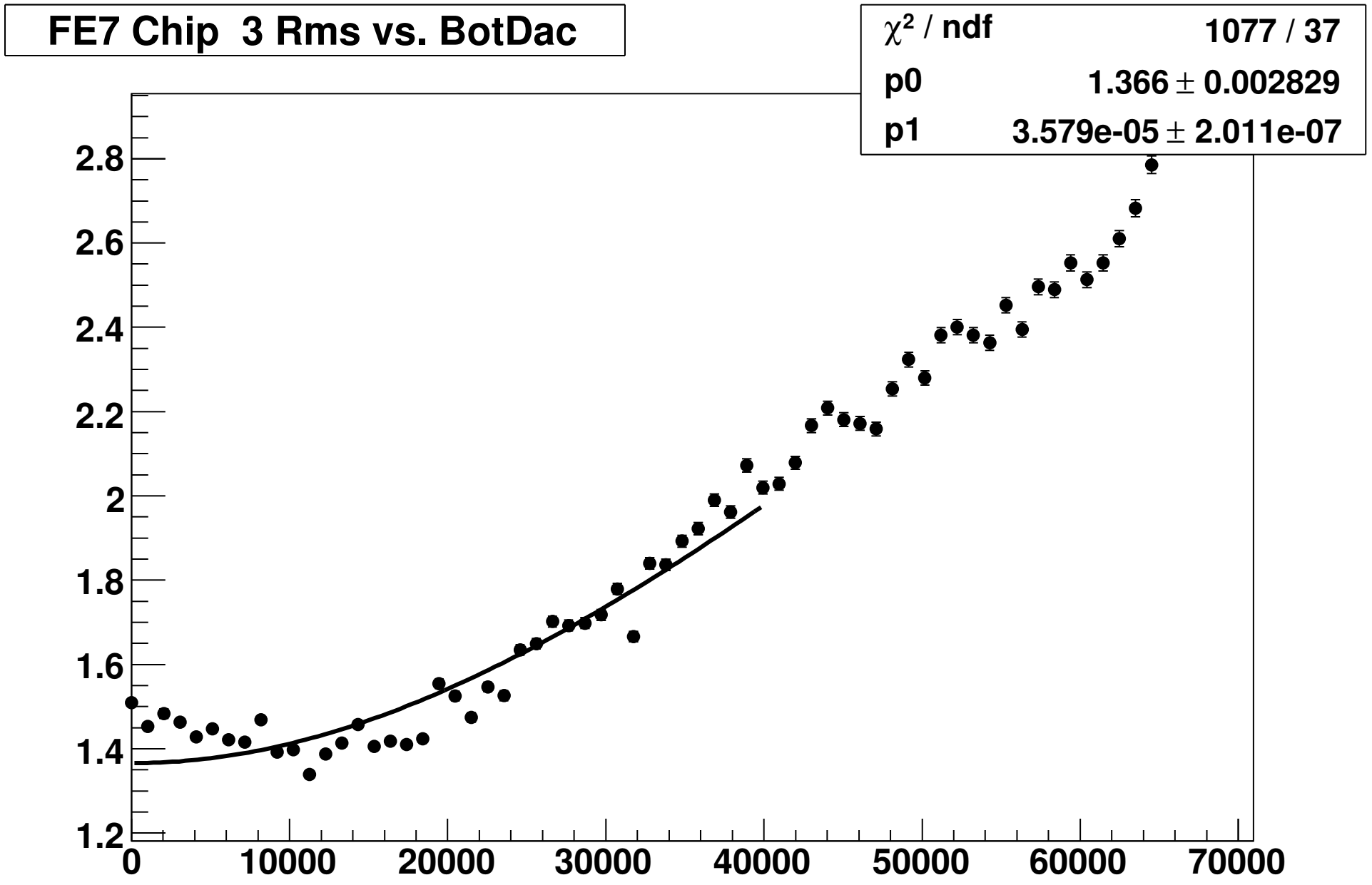

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.331e+05 / 37
p0 39.81 ± 0.005201
p1 0.4504 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

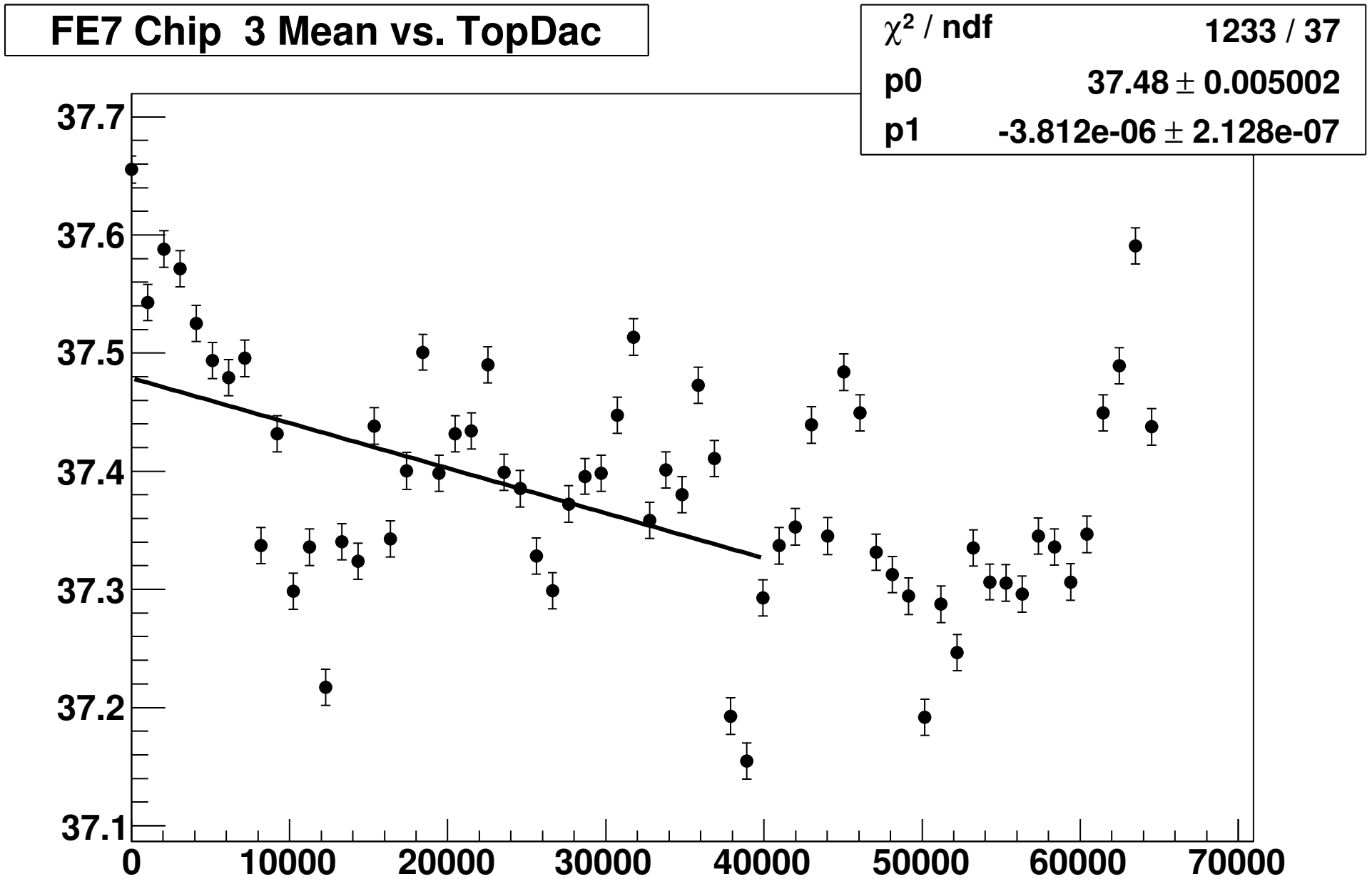

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 4184 / 37
p0 1.365 ± 0.002841
p1 3.6e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 1265 / 37
p0 40.2 ± 0.005102
p1 -3.966e-06 ± 2.167e-07
40.4
40.3
40.2
40.1
40
39.9
39.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 41.06 / 37
p0 1.47 ± 0.001771
p1 2.173e-14 ± 1.659e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.283e+05 / 37
p0 37.23 ± 0.005164
p1 0.4504 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1077 / 37
p0 1.366 ± 0.002829
p1 3.579e-05 ± 2.011e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 1233 / 37
p0 37.48 ± 0.005002
p1 -3.812e-06 ± 2.128e-07
37.7
37.6
37.5
37.4
37.3
37.2
37.1
0
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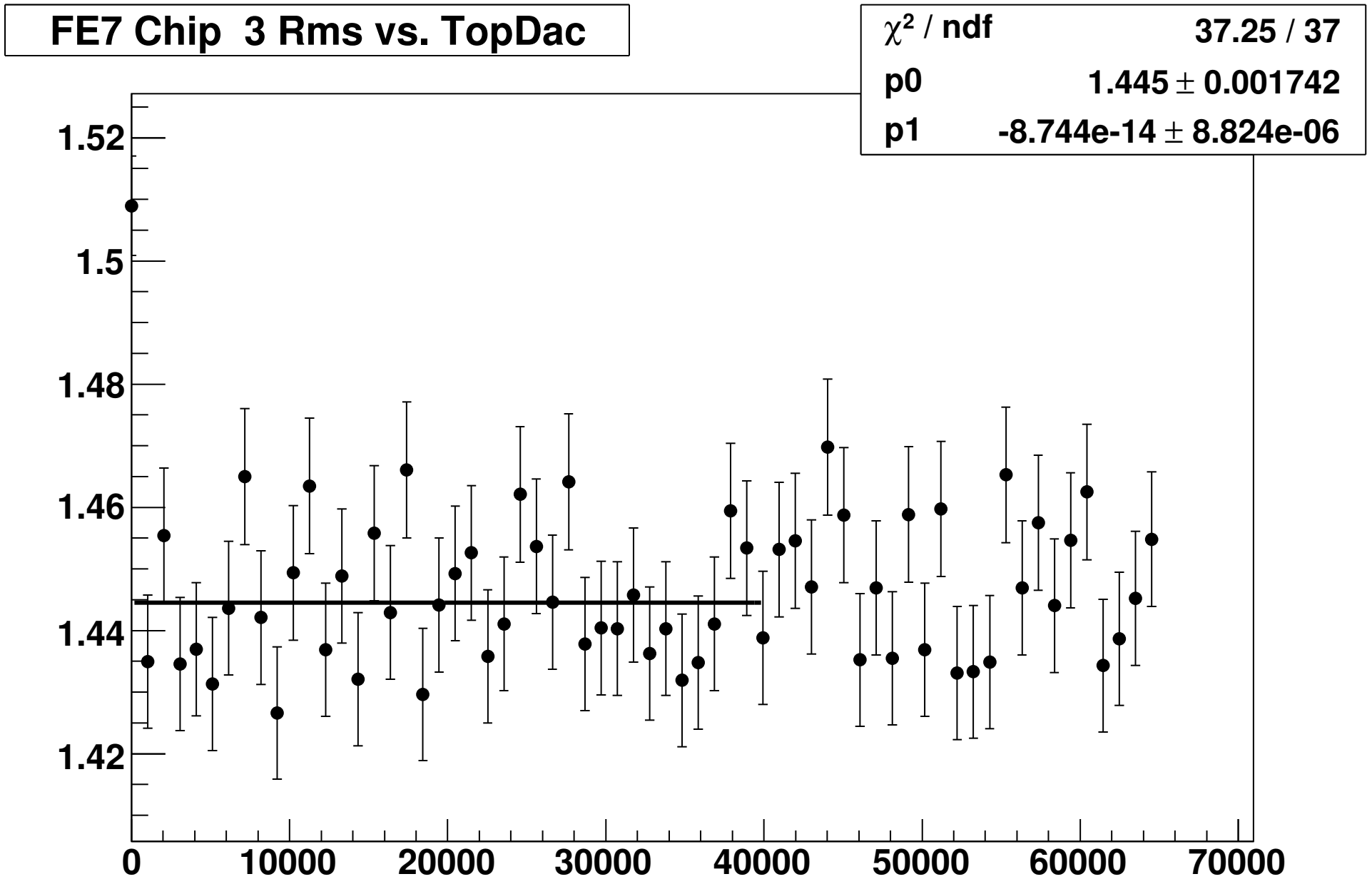
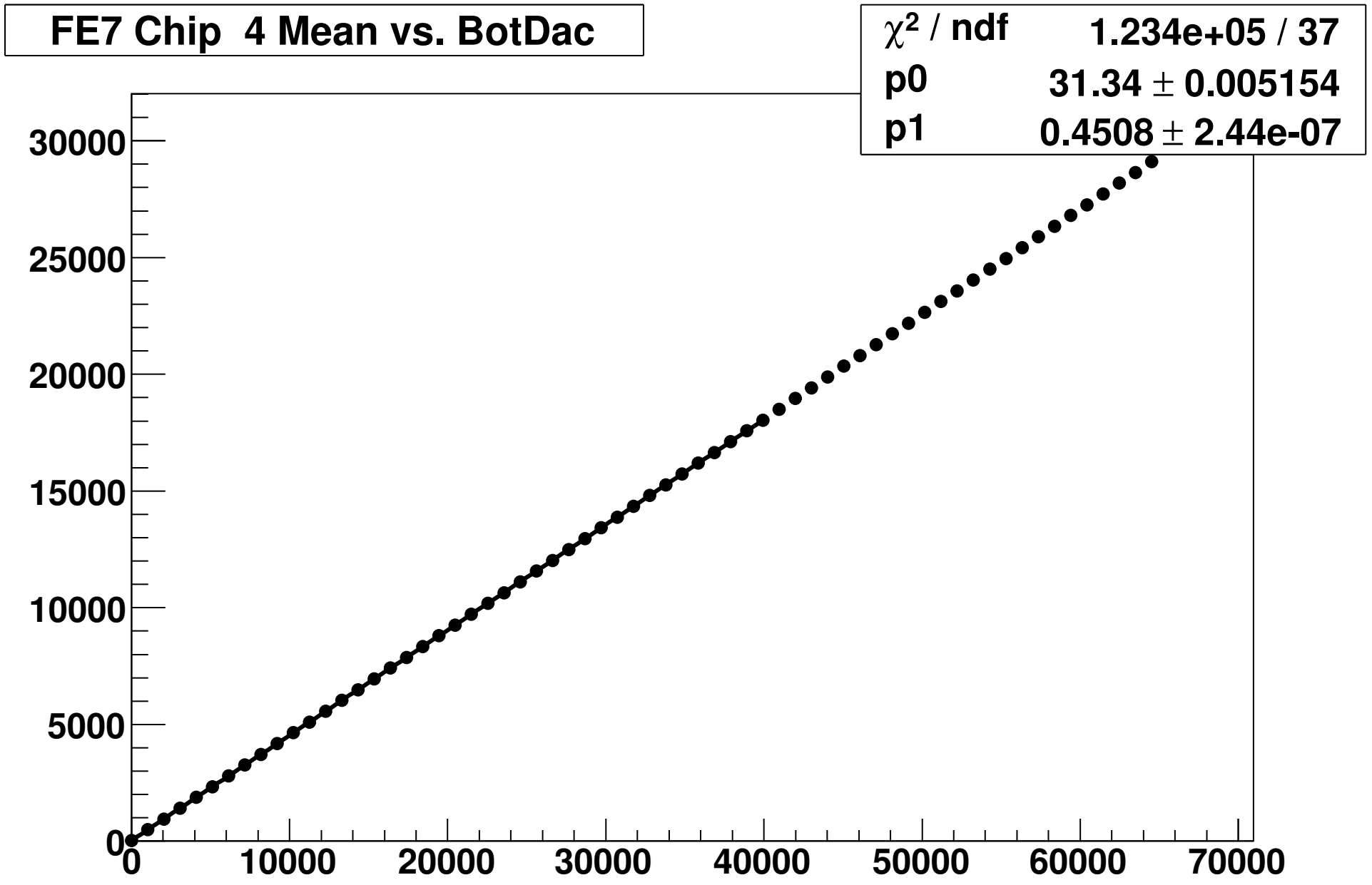
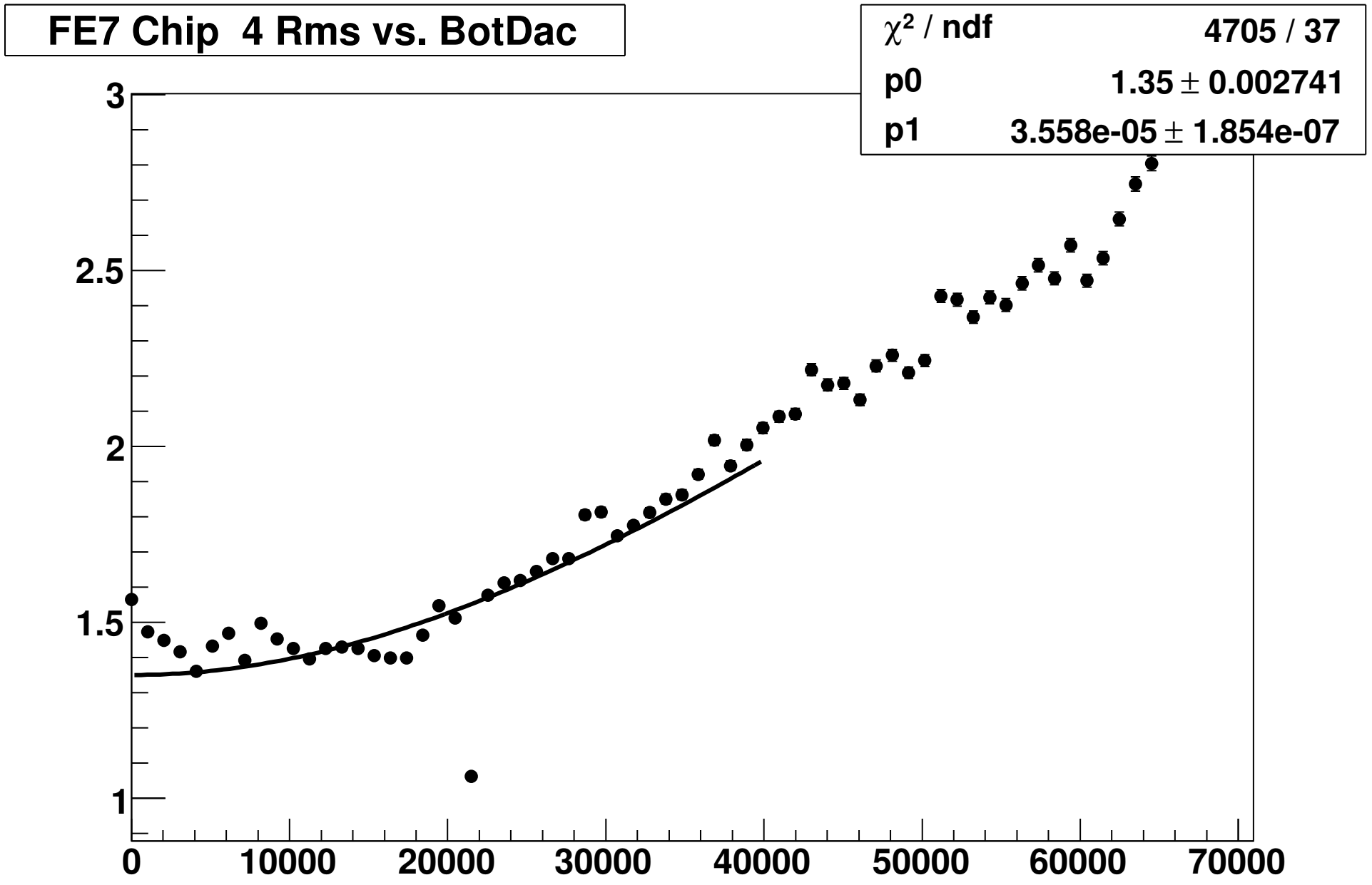

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 37.25 / 37
p0 1.445 ± 0.001742
p1 -8.744e-14 ± 8.824e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.234e+05 / 37
p0 31.34 ± 0.005154
p1 0.4508 ± 2.44e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 4705 / 37
p0 1.35 ± 0.002741
p1 3.558e-05 ± 1.854e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
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60000
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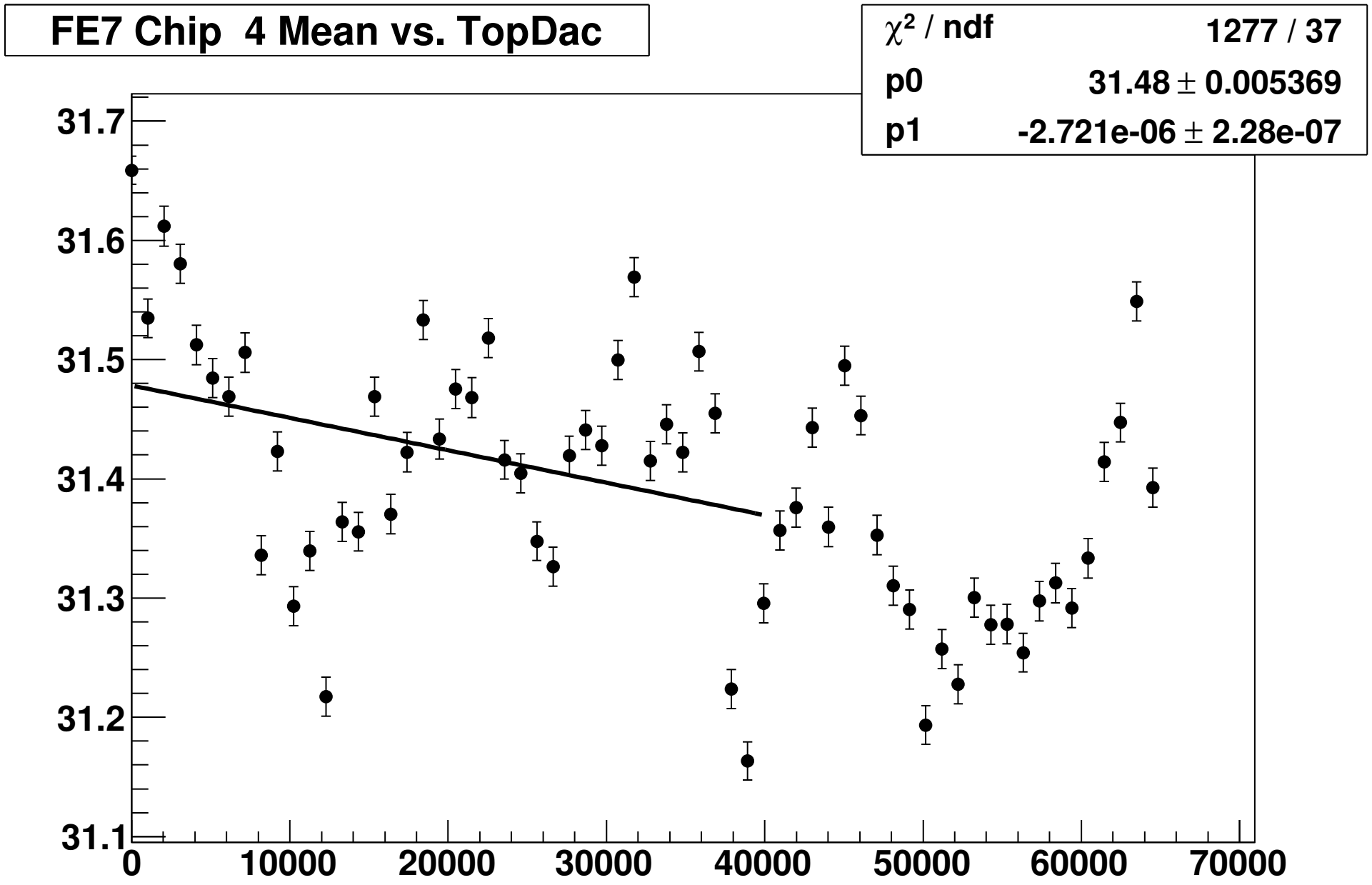
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 1277 / 37
p0 31.48 ± 0.005369
p1 -2.721e-06 ± 2.28e-07
31.7
31.6
31.5
31.4
31.3
31.2
31.1
0
10000
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30000
40000
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60000
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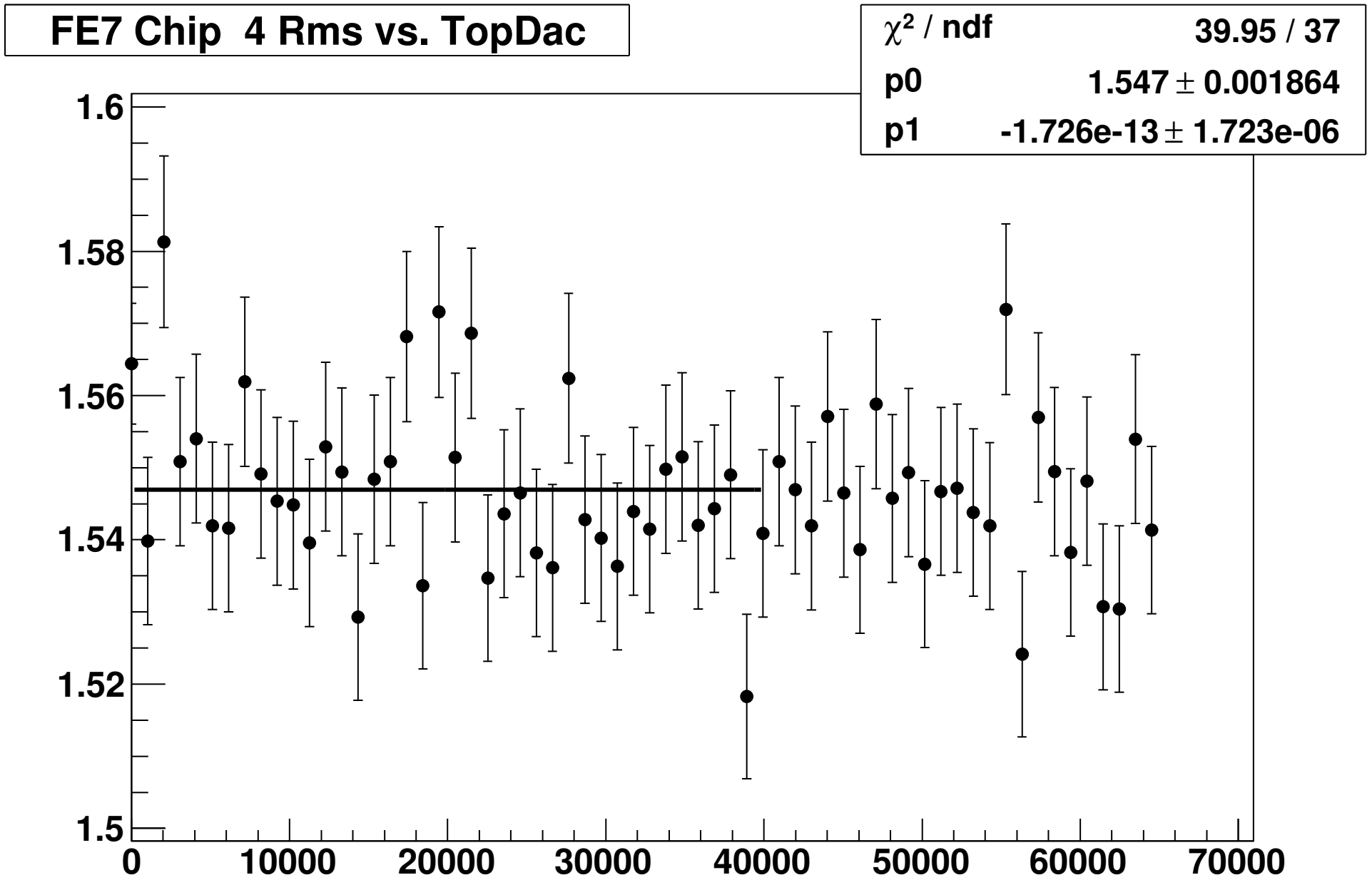
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 39.95 / 37
p0 1.547 ± 0.001864
p1 -1.726e-13 ± 1.723e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
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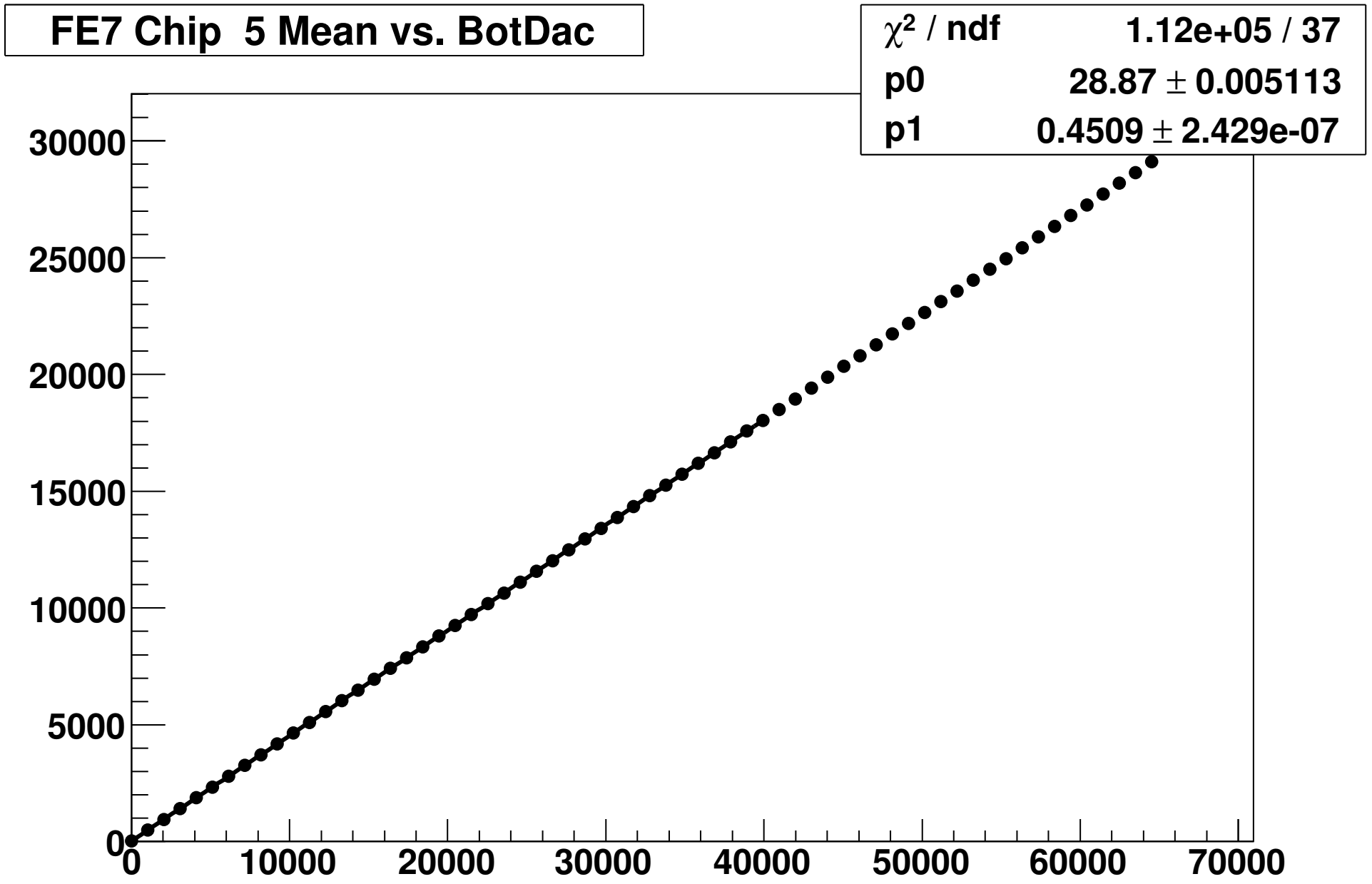
FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.12e+05 / 37
p0 28.87 ± 0.005113
p1 0.4509 ± 2.429e-07
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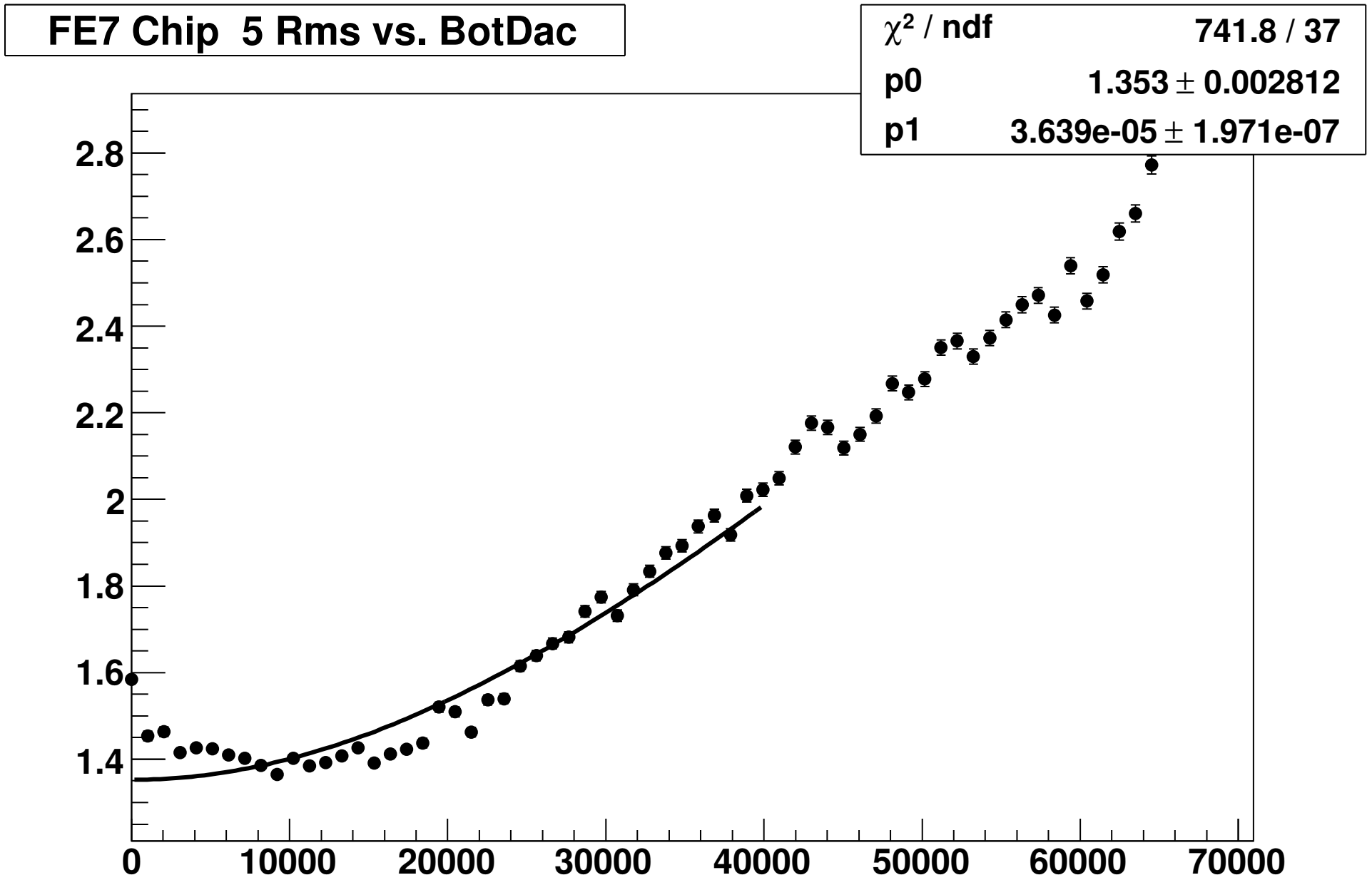
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 741.8 / 37
p0 1.353 ± 0.002812
p1 3.639e-05 ± 1.971e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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60000
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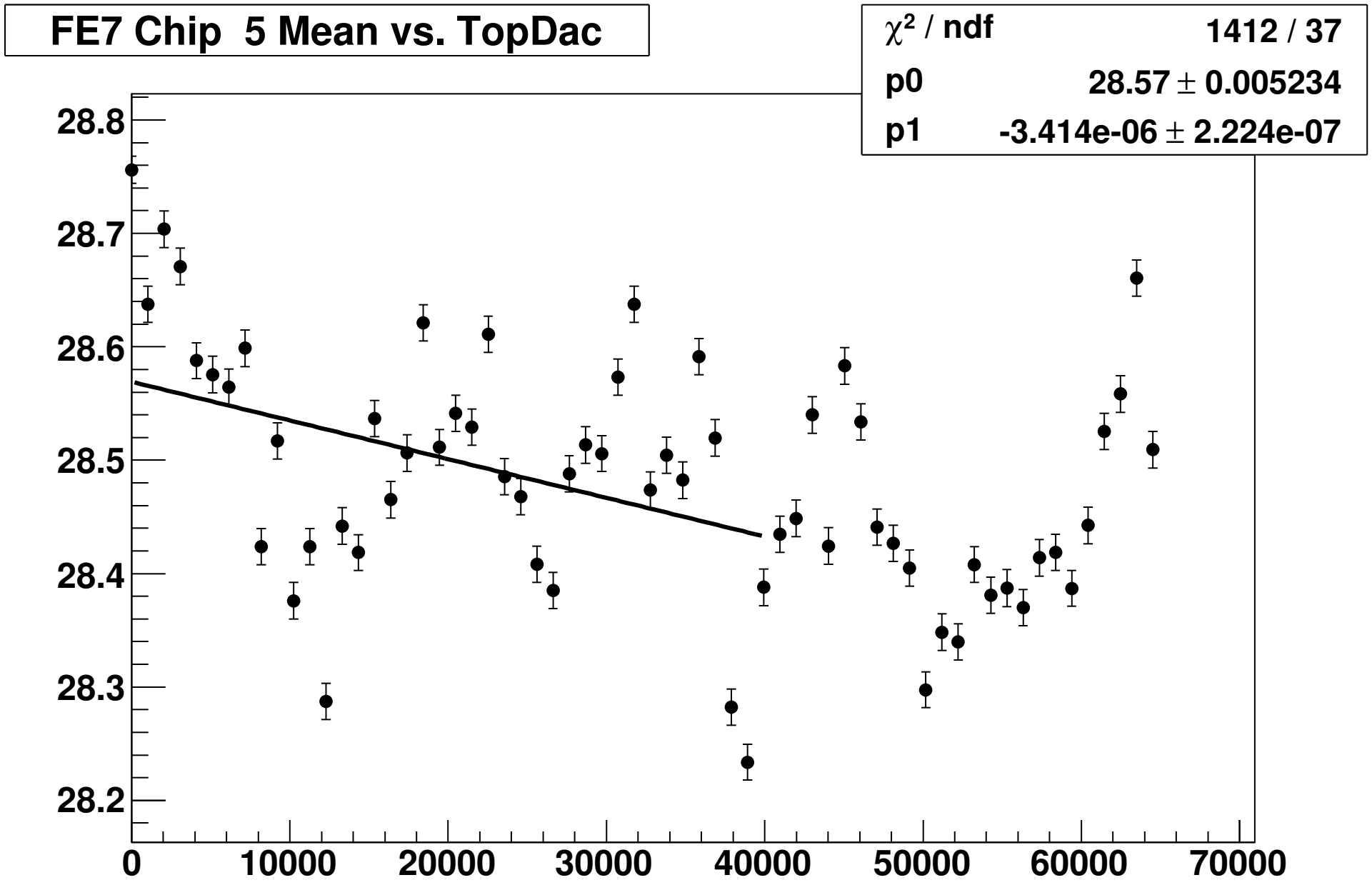
FE7 Chip 5 Mean vs. TopDac
χ² / ndf 1412 / 37
p0 28.57 ± 0.005234
p1 -3.414e-06 ± 2.224e-07
28.8
28.7
28.6
28.5
28.4
28.3
28.2
0
10000
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30000
40000
50000
60000
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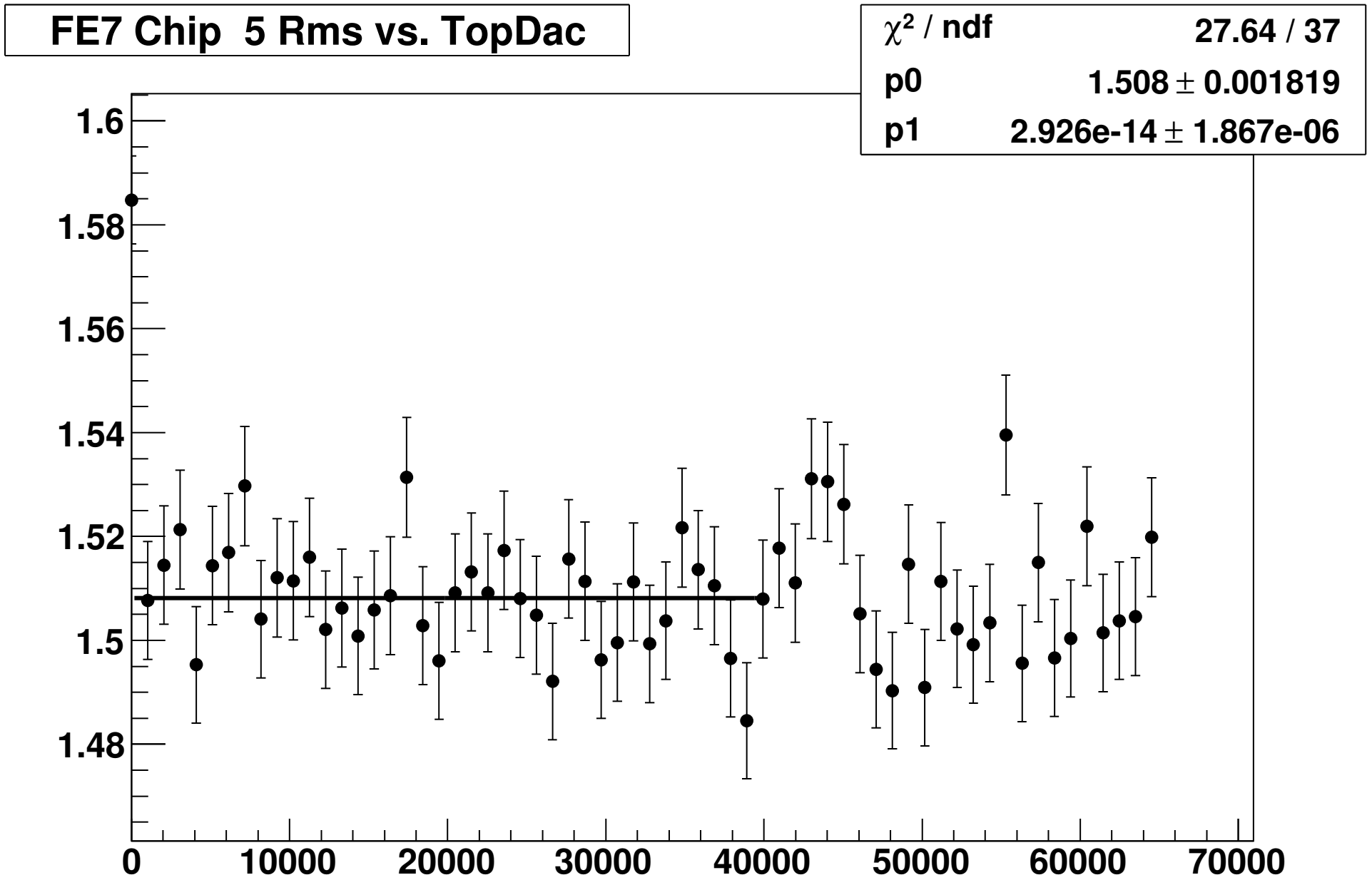
FE7 Chip 5 Rms vs. TopDac
χ² / ndf 27.64 / 37
p0 1.508 ± 0.001819
p1 2.926e-14 ± 1.867e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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30000
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50000
60000
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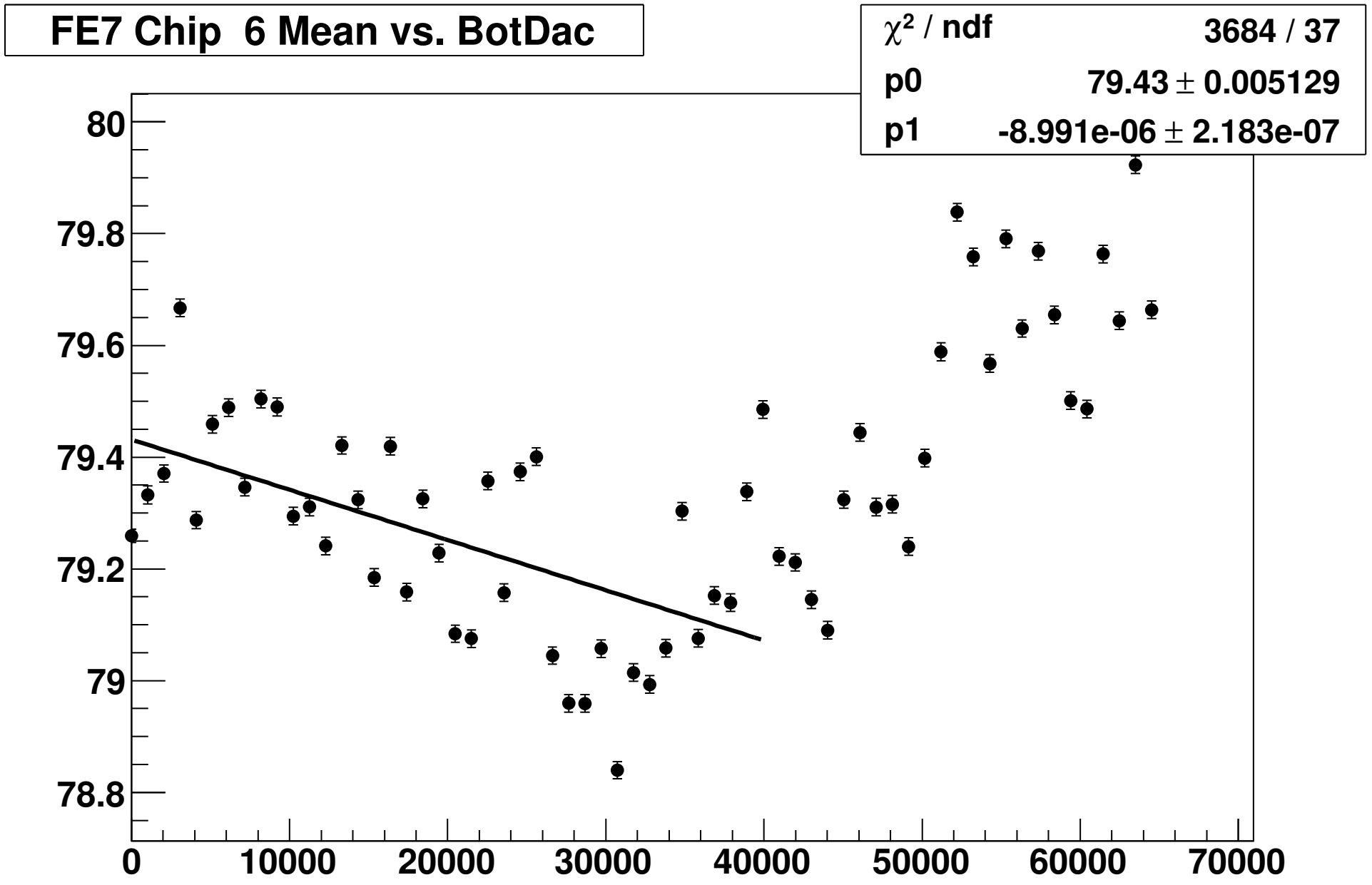
FE7 Chip 6 Mean vs. BotDac
χ² / ndf 3684 / 37
p0 79.43 ± 0.005129
p1 -8.991e-06 ± 2.183e-07
80
79.8
79.6
79.4
79.2
79
78.8
0
10000
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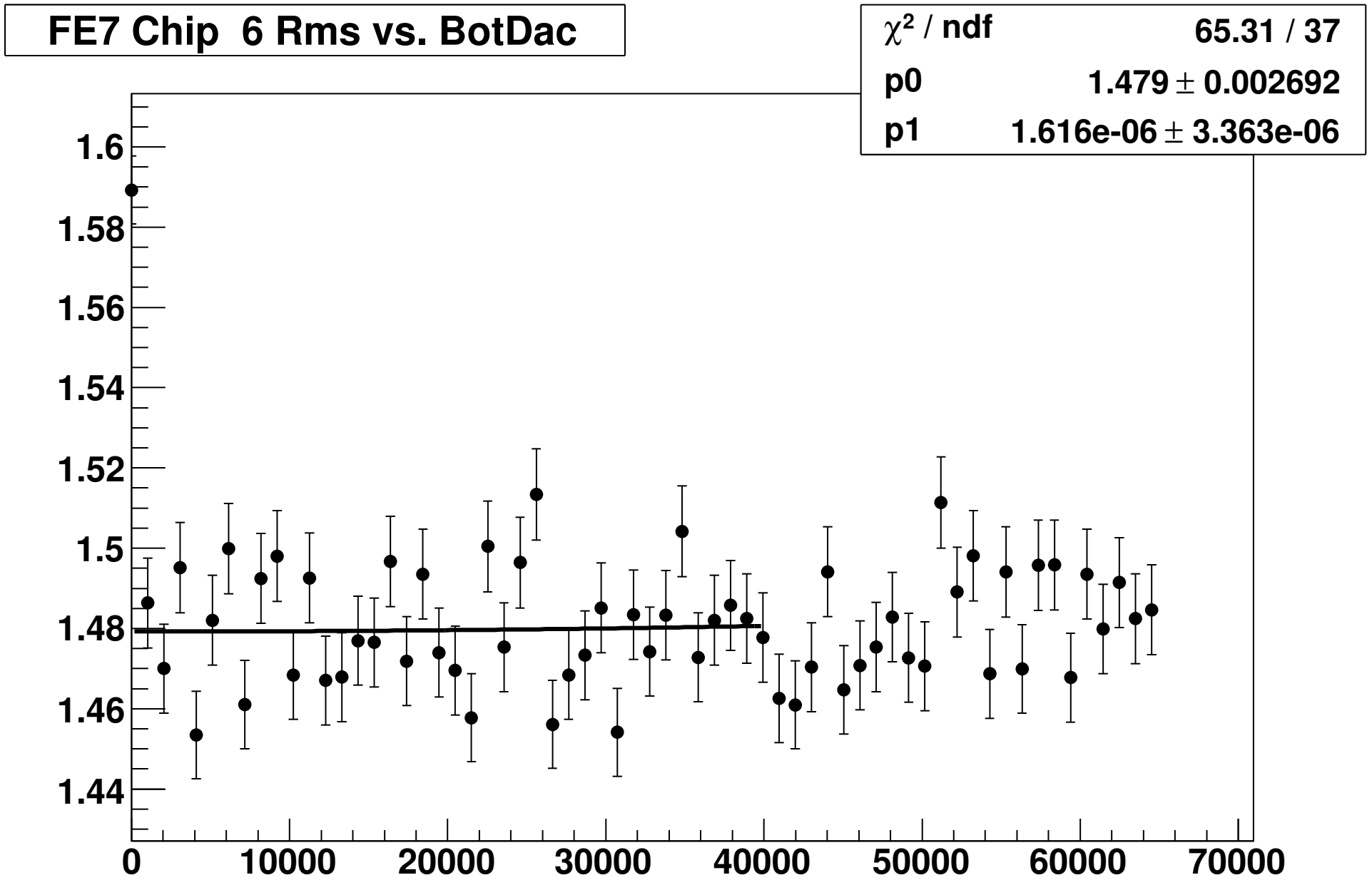
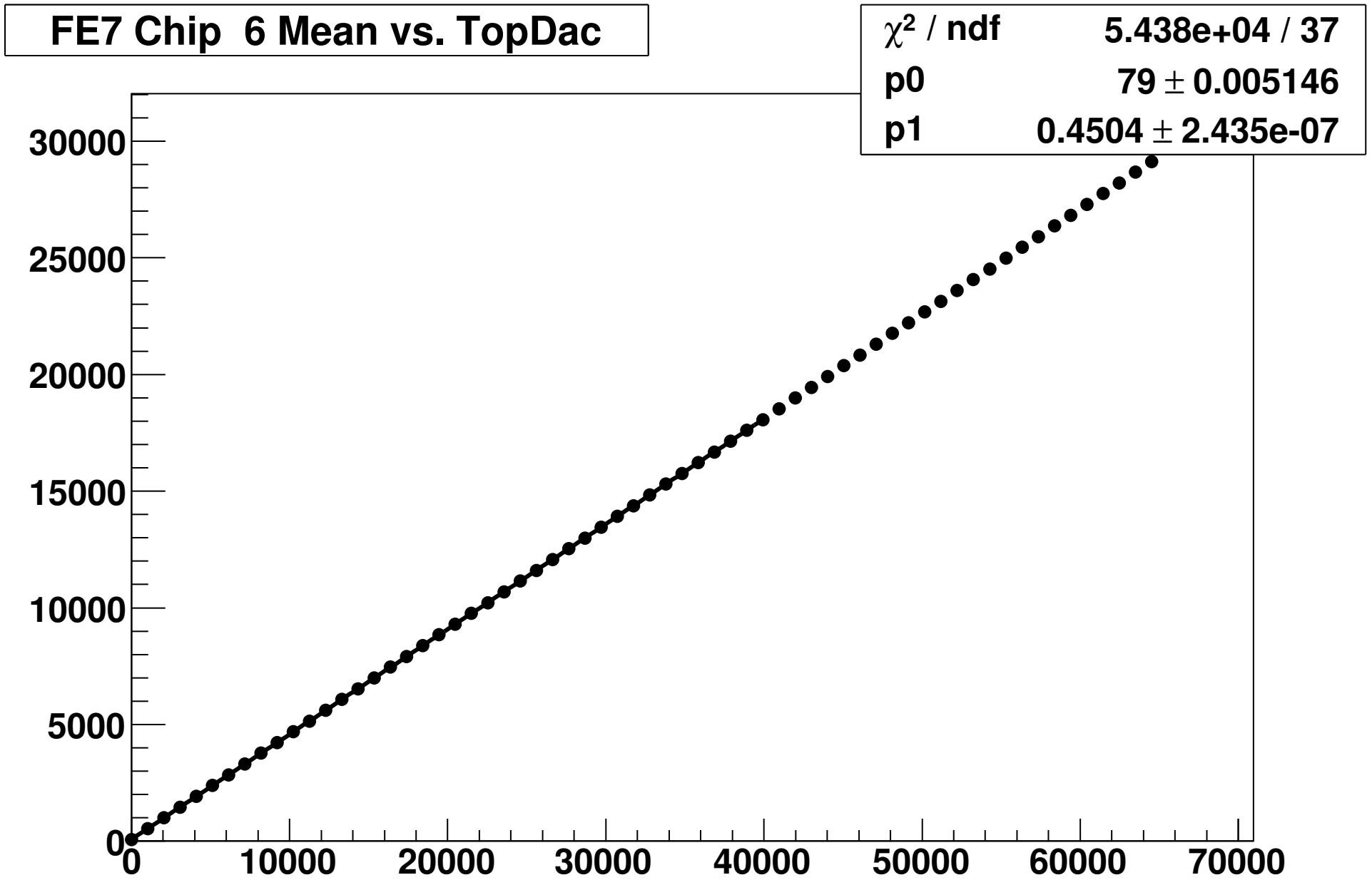
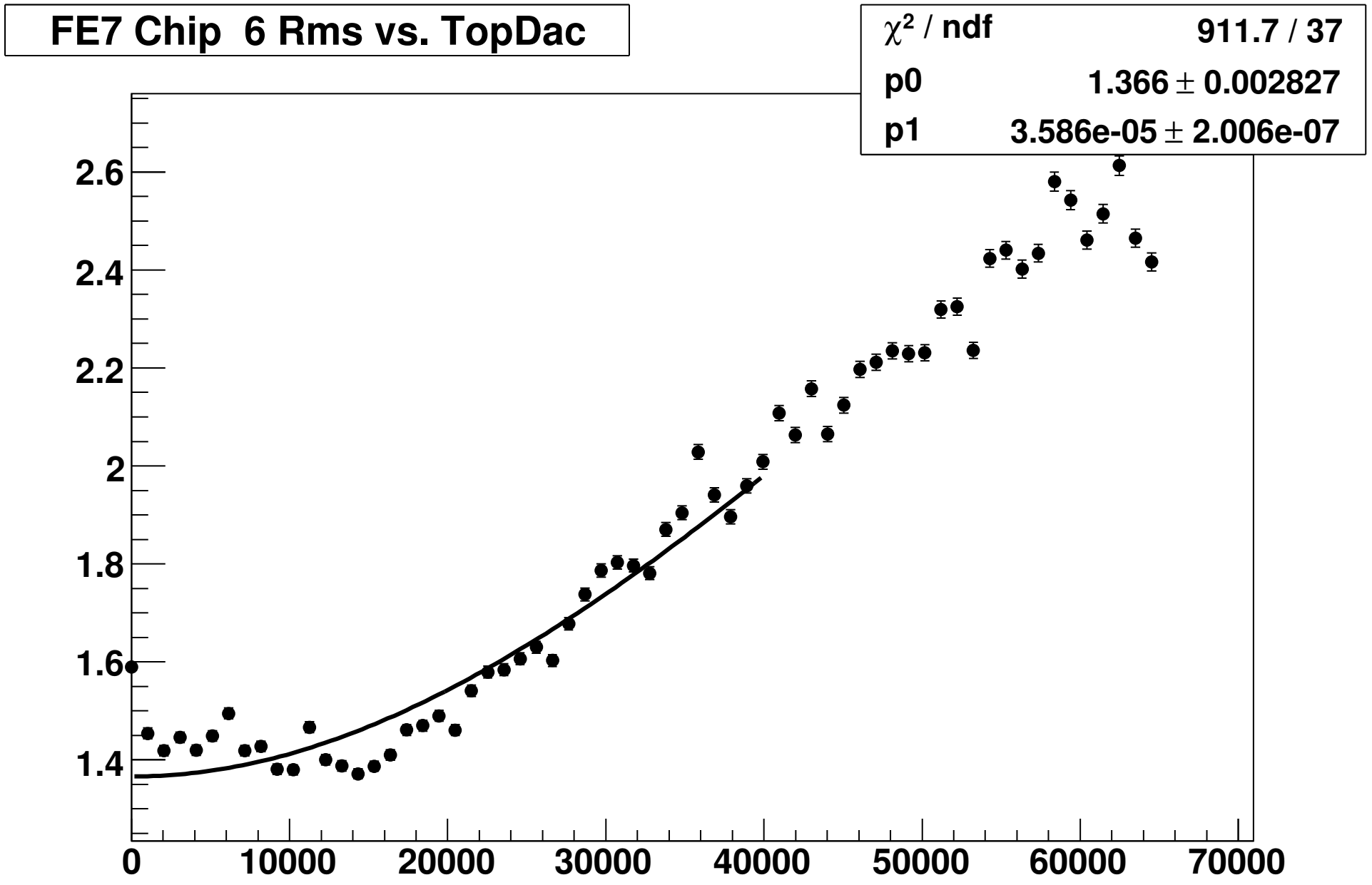
40000
50000
60000
70000


FE7 Chip 6 Rms vs. BotDac
χ² / ndf 65.31 / 37
p0 1.479 ± 0.002692
p1 1.616e-06 ± 3.363e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Mean vs. TopDac
χ² / ndf 5.438e+04 / 37
p0 79 ± 0.005146
p1 0.4504 ± 2.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 911.7 / 37
p0 1.366 ± 0.002827
p1 3.586e-05 ± 2.006e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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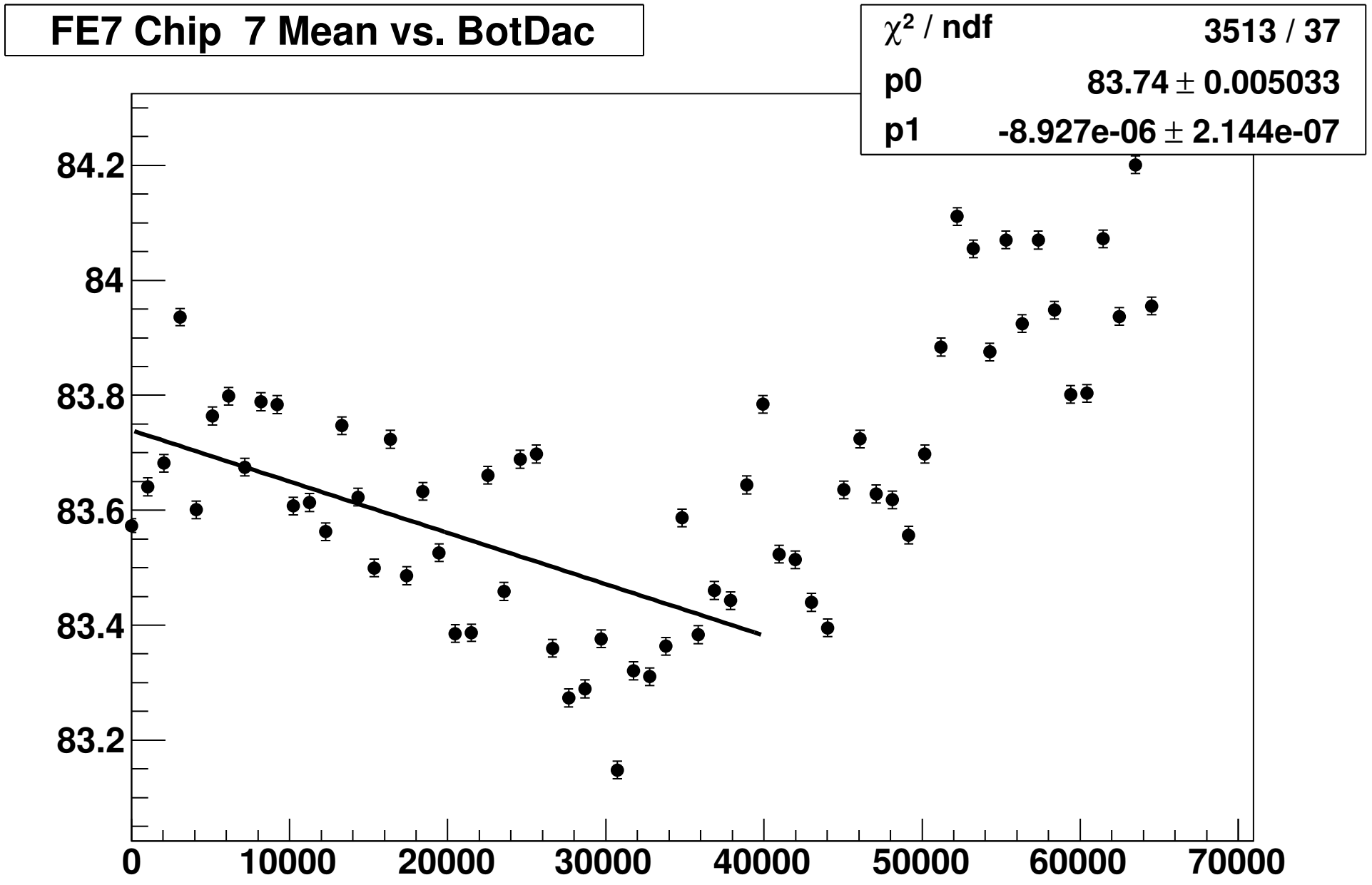
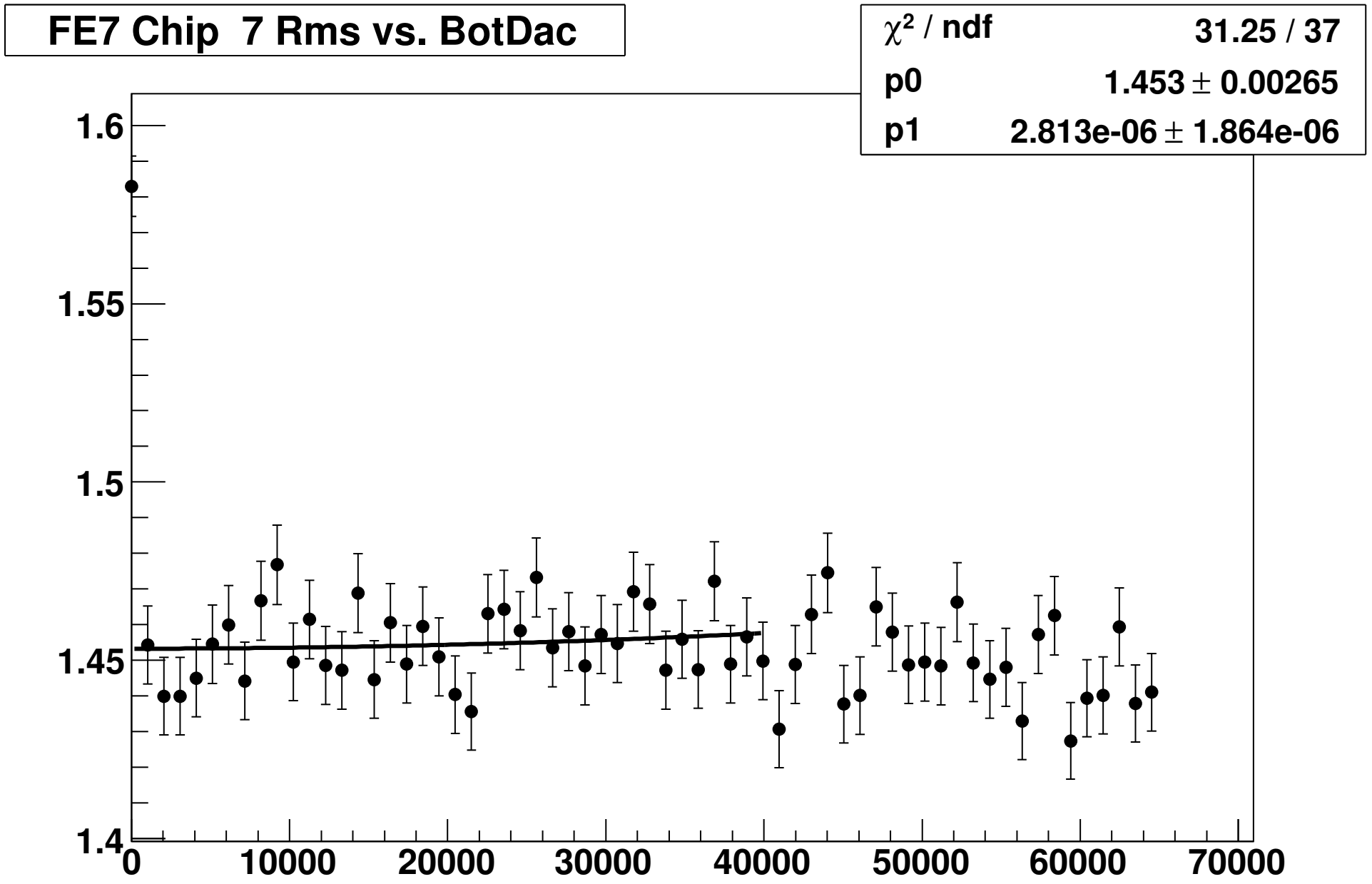
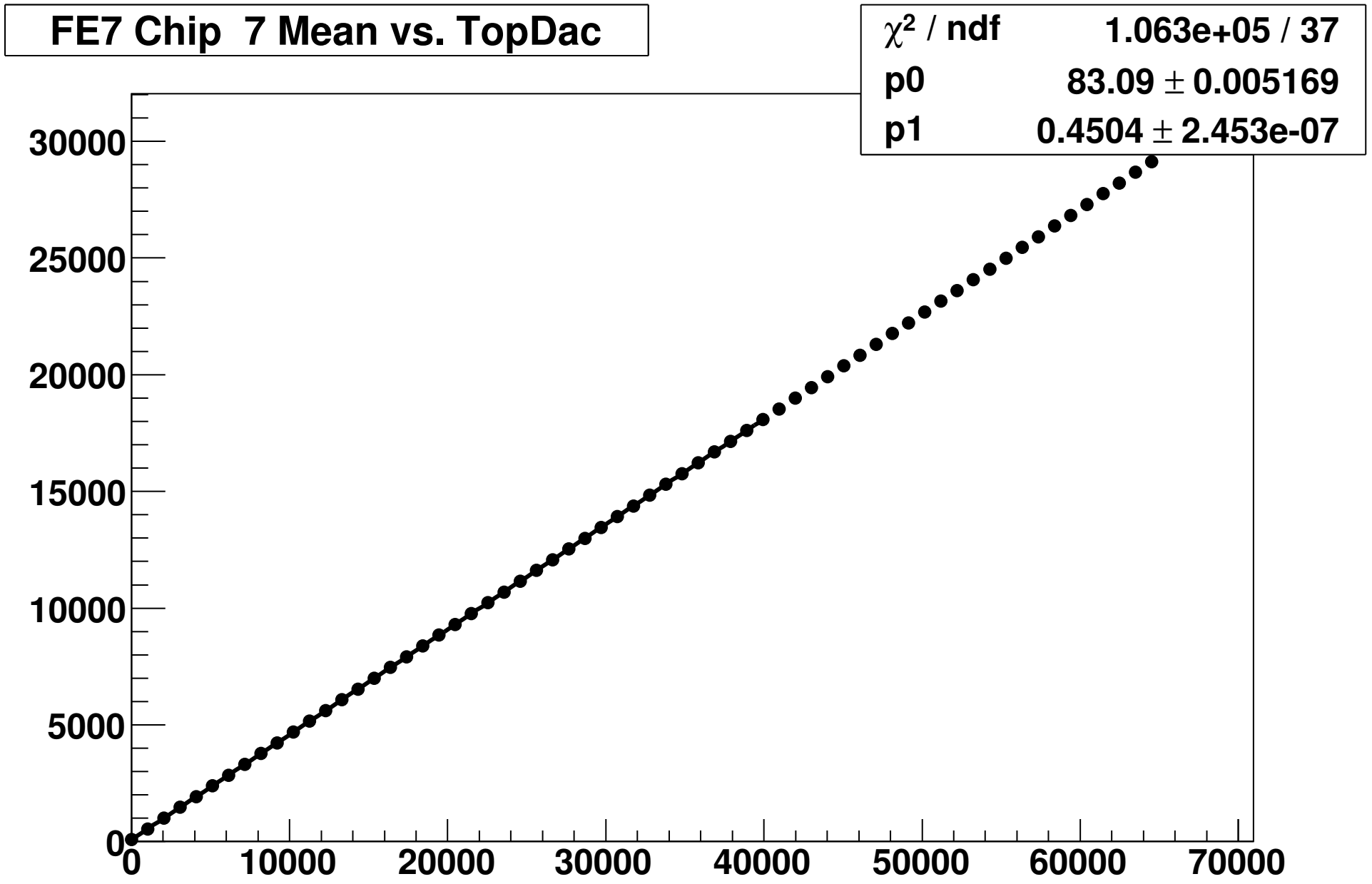
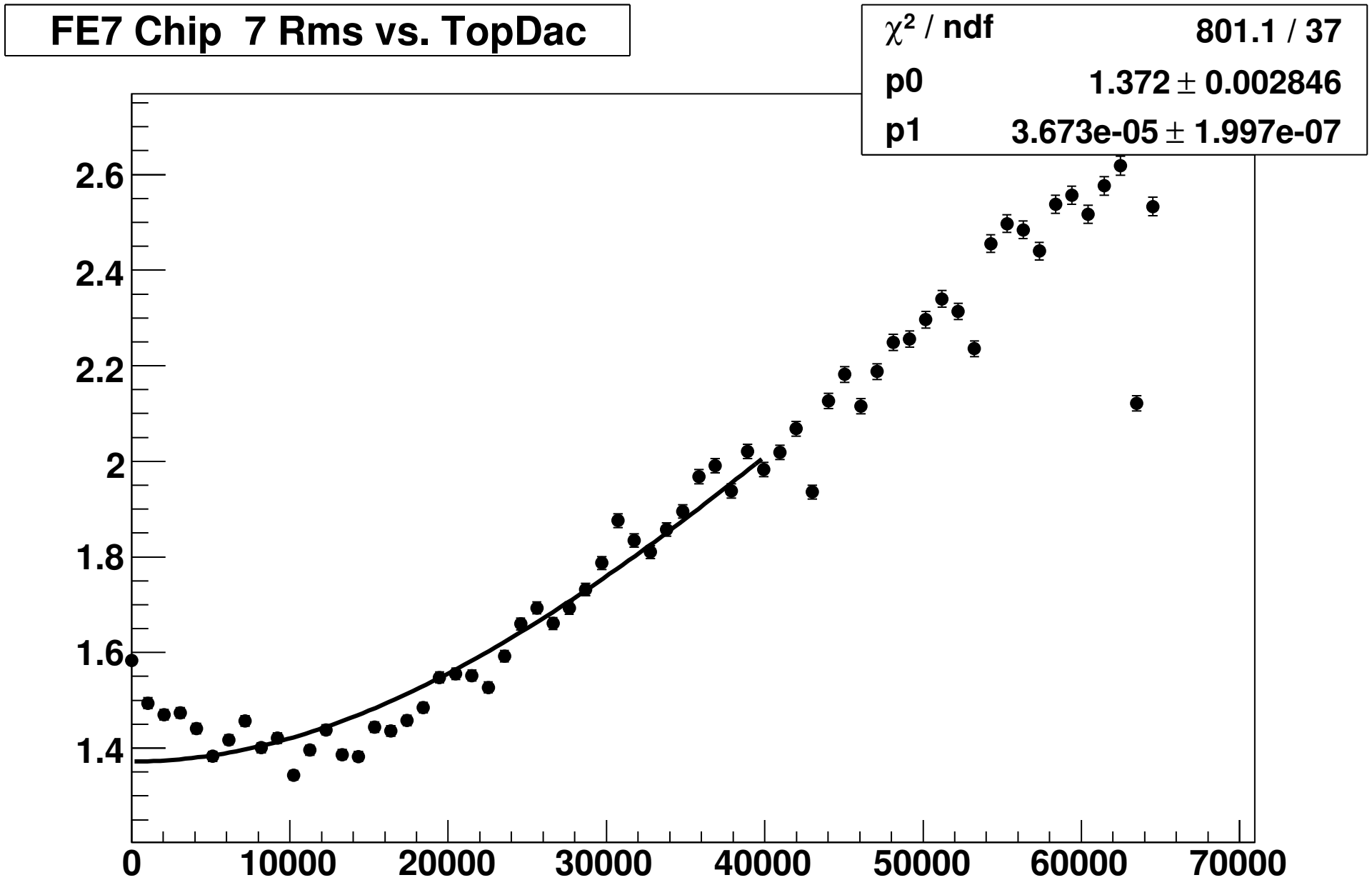
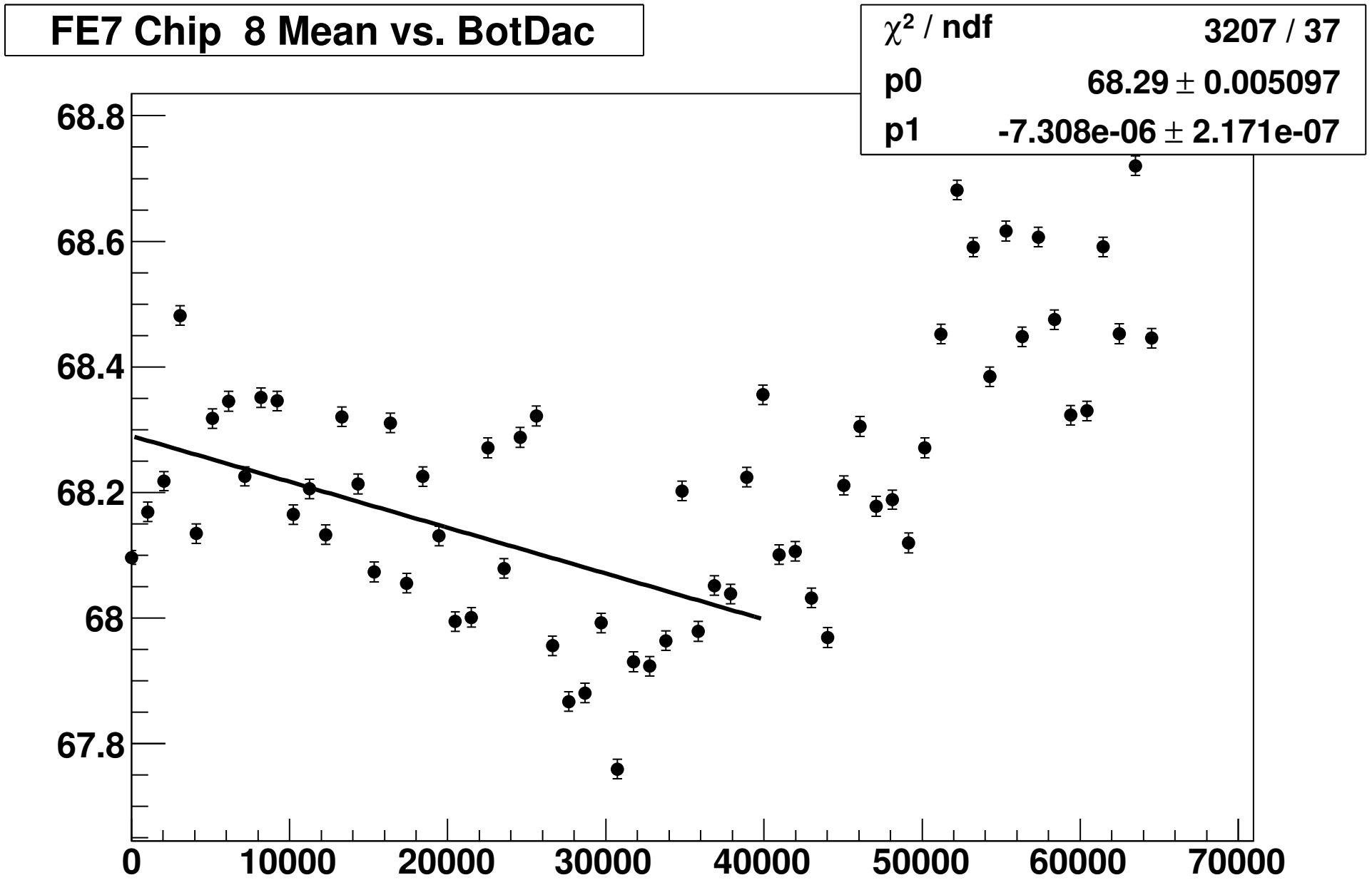
50000
60000
70000

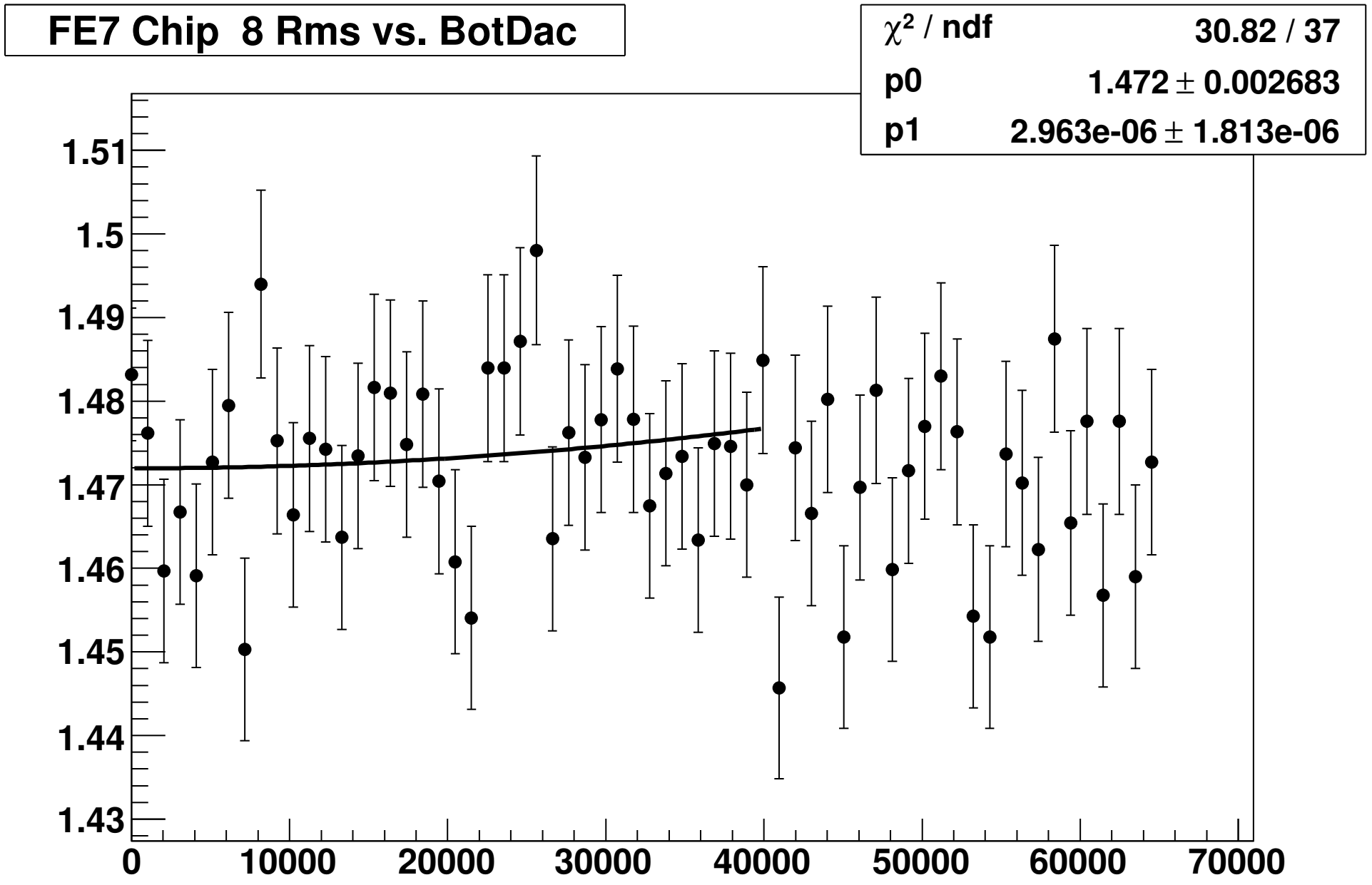

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 3513 / 37
p0 83.74 ± 0.005033
p1 -8.927e-06 ± 2.144e-07
84.2
84
83.8
83.6
83.4
83.2
0
10000
20000
30000
40000
50000
60000
70000

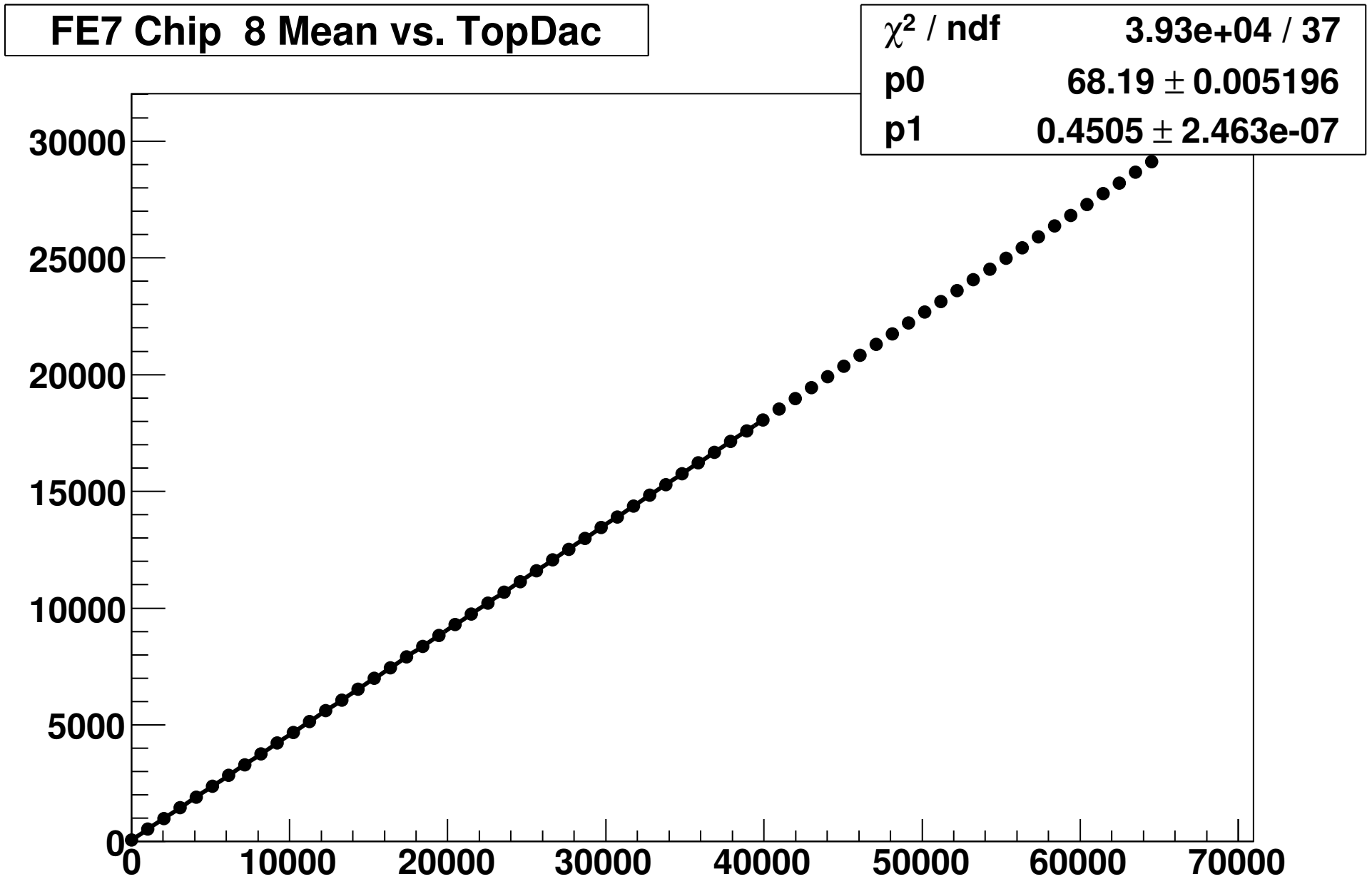

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 31.25 / 37
p0 1.453 ± 0.00265
p1 2.813e-06 ± 1.864e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

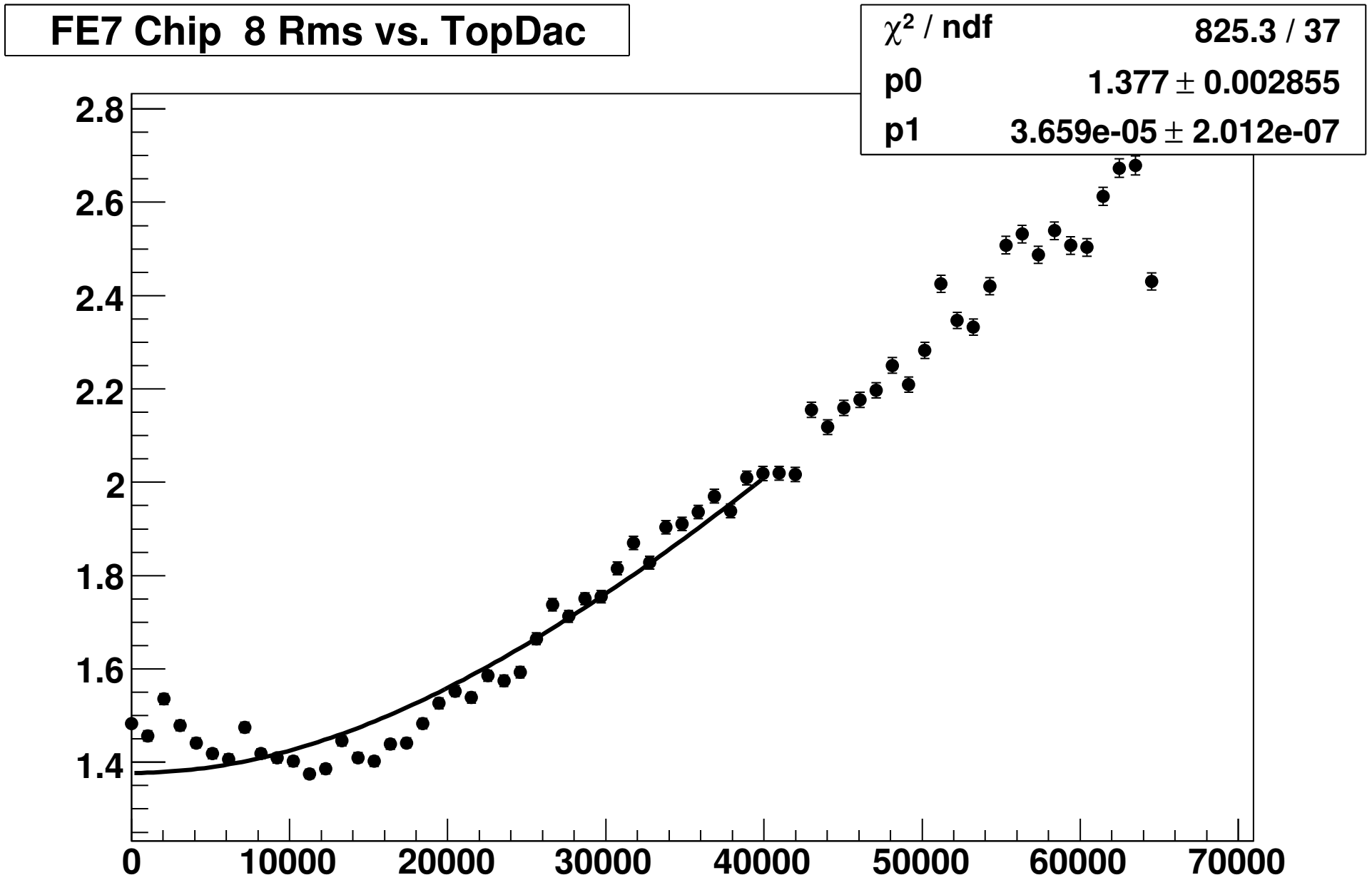

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.063e+05 / 37
p0 83.09 ± 0.005169
p1 0.4504 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

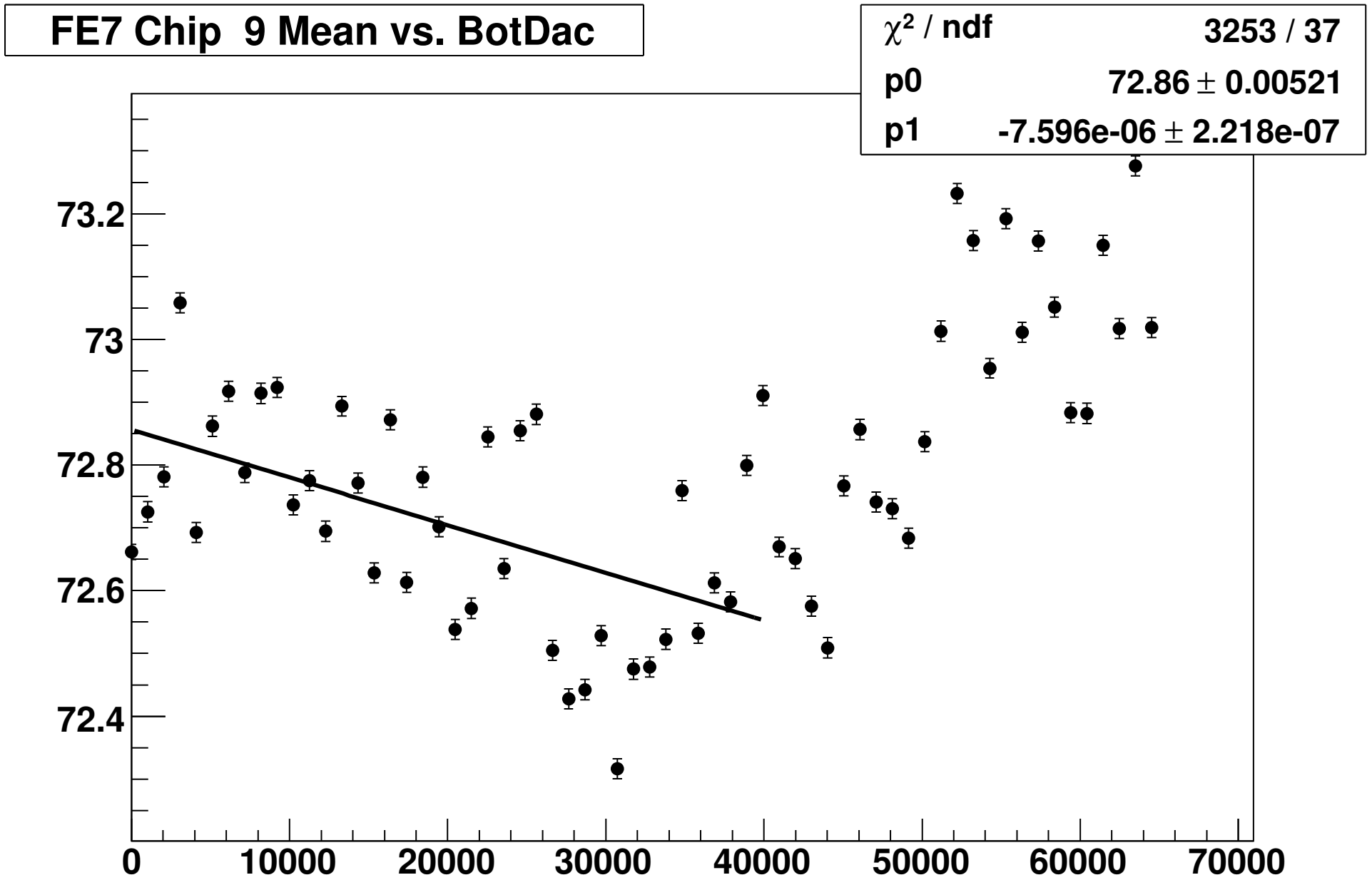

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 801.1 / 37
p0 1.372 ± 0.002846
p1 3.673e-05 ± 1.997e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

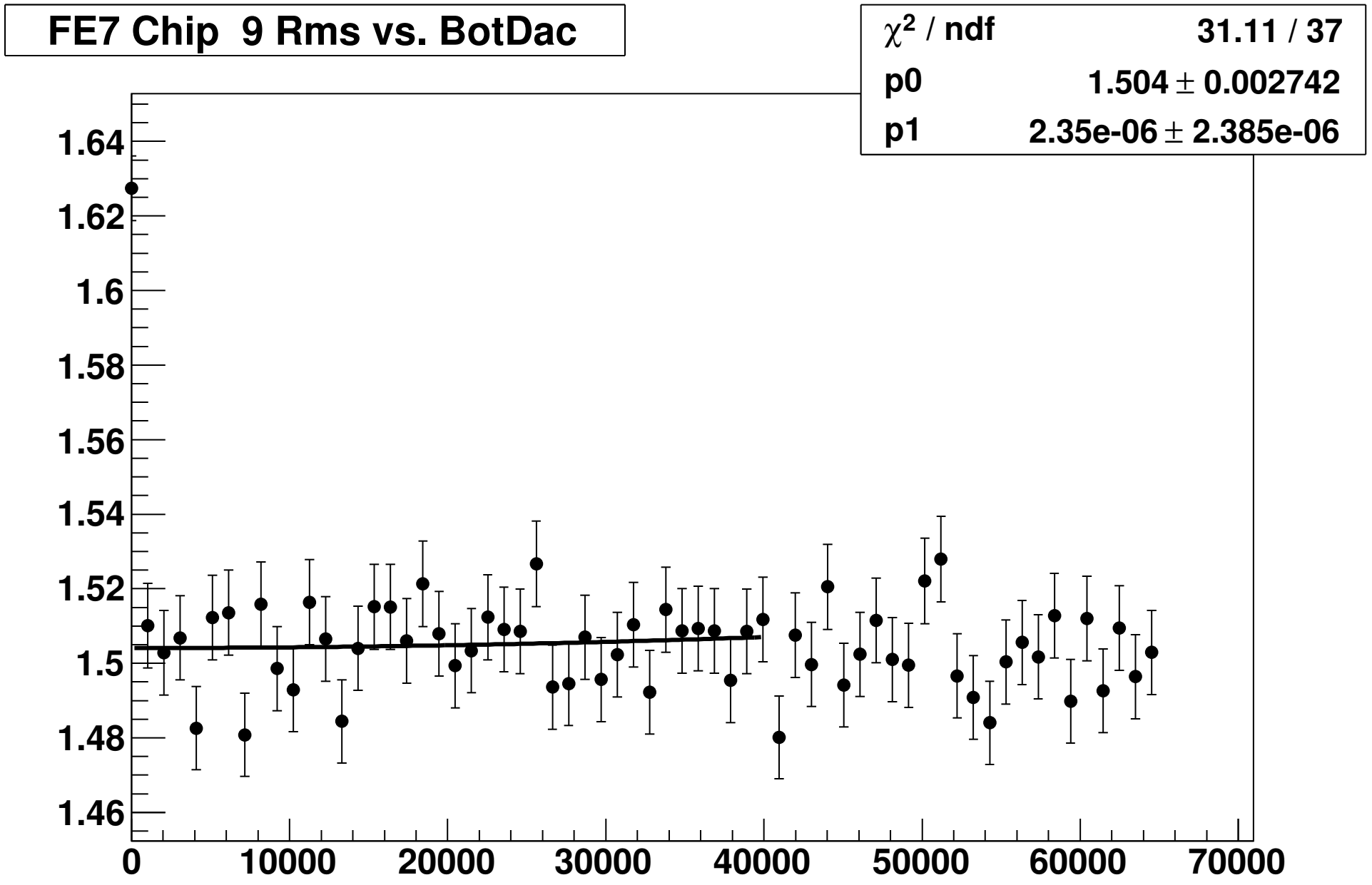

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 3207 / 37
p0 68.29 ± 0.005097
p1 -7.308e-06 ± 2.171e-07
68.8
68.6
68.4
68.2
68
67.8
0
10000
20000
30000
40000
50000
60000
70000

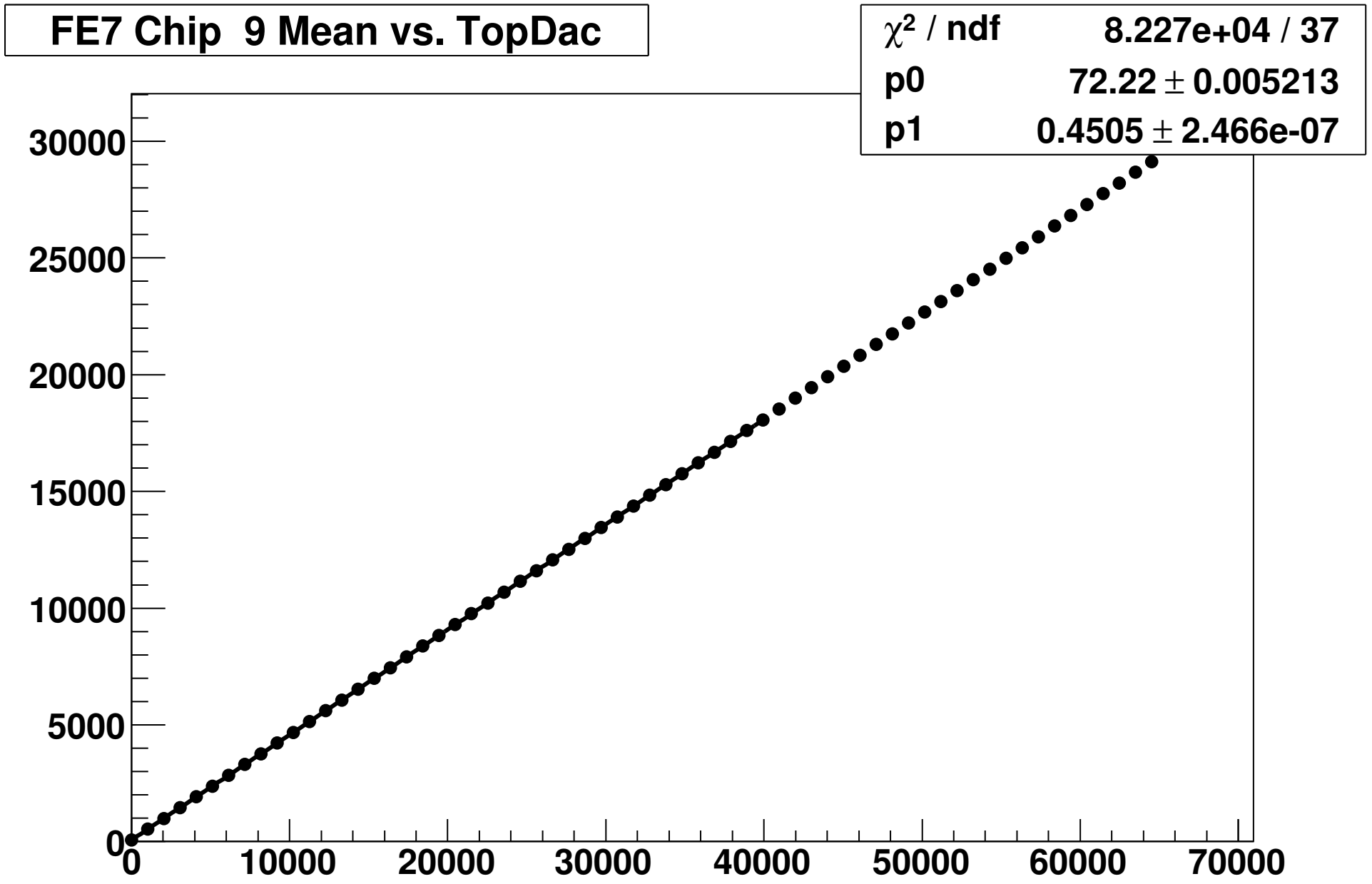

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 30.82 / 37
p0 1.472 ± 0.002683
p1 2.963e-06 ± 1.813e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

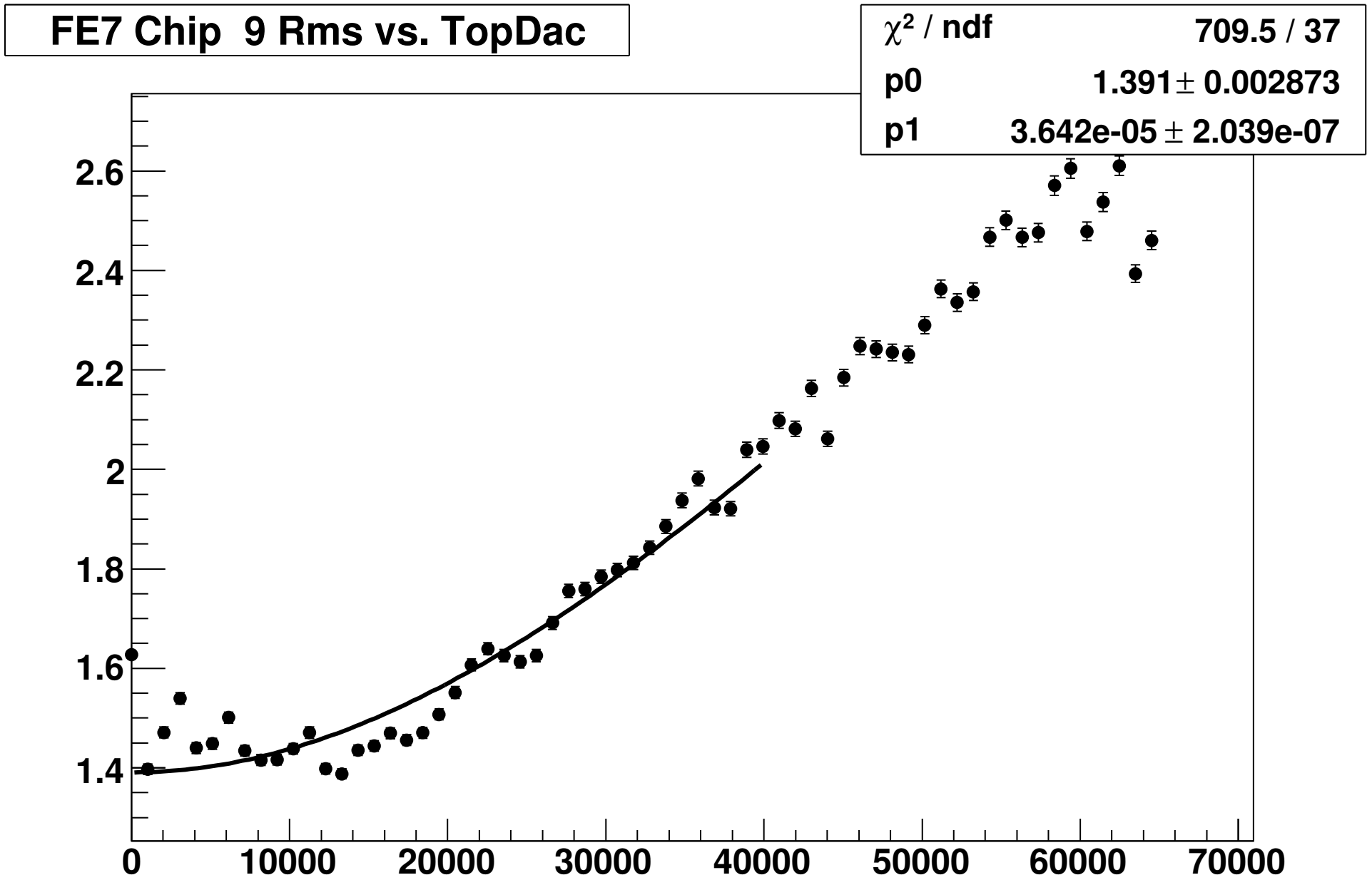

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 3.93e+04 / 37
p0 68.19 ± 0.005196
p1 0.4505 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

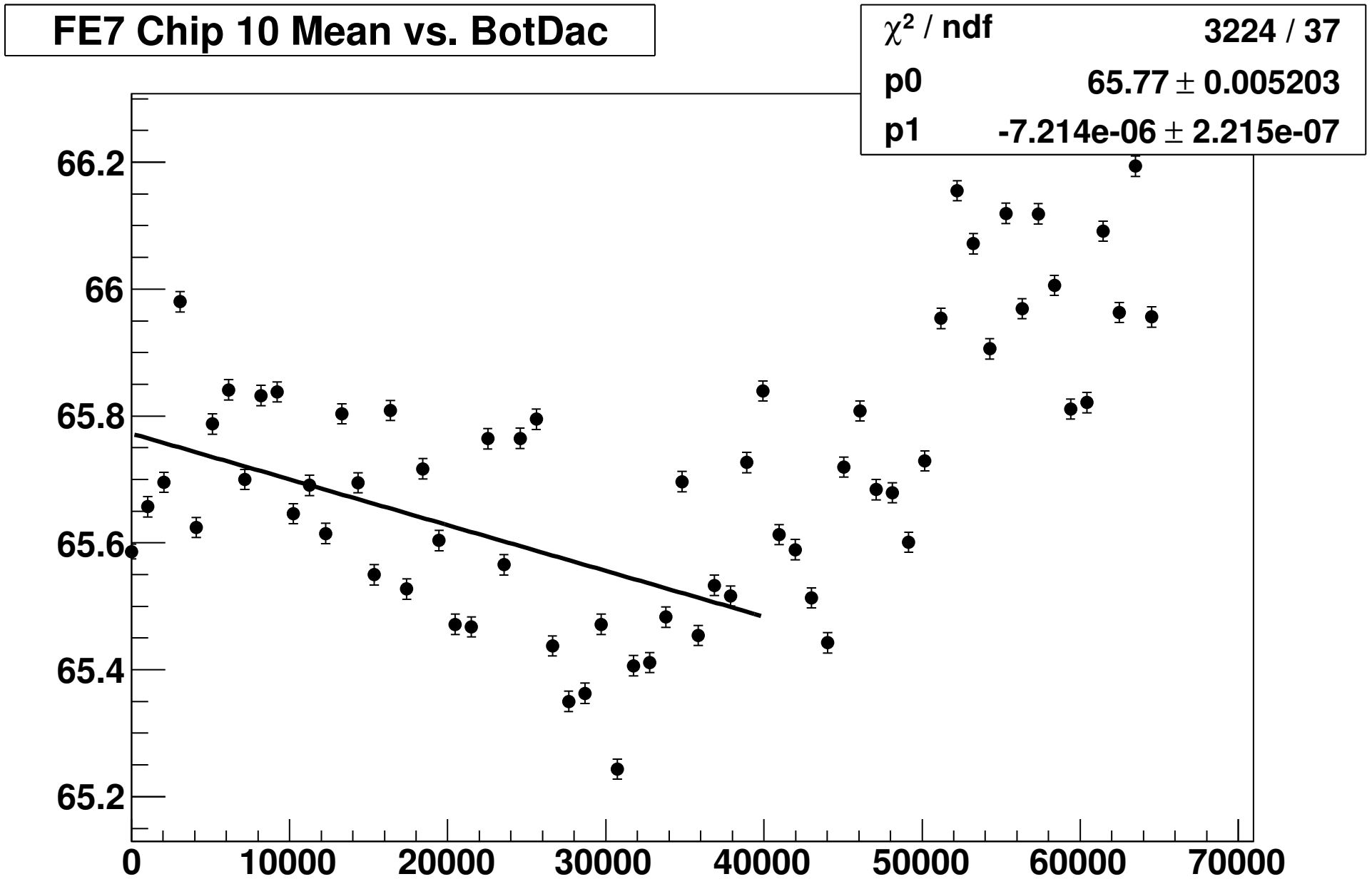

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 825.3 / 37
p0 1.377 ± 0.002855
p1 3.659e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

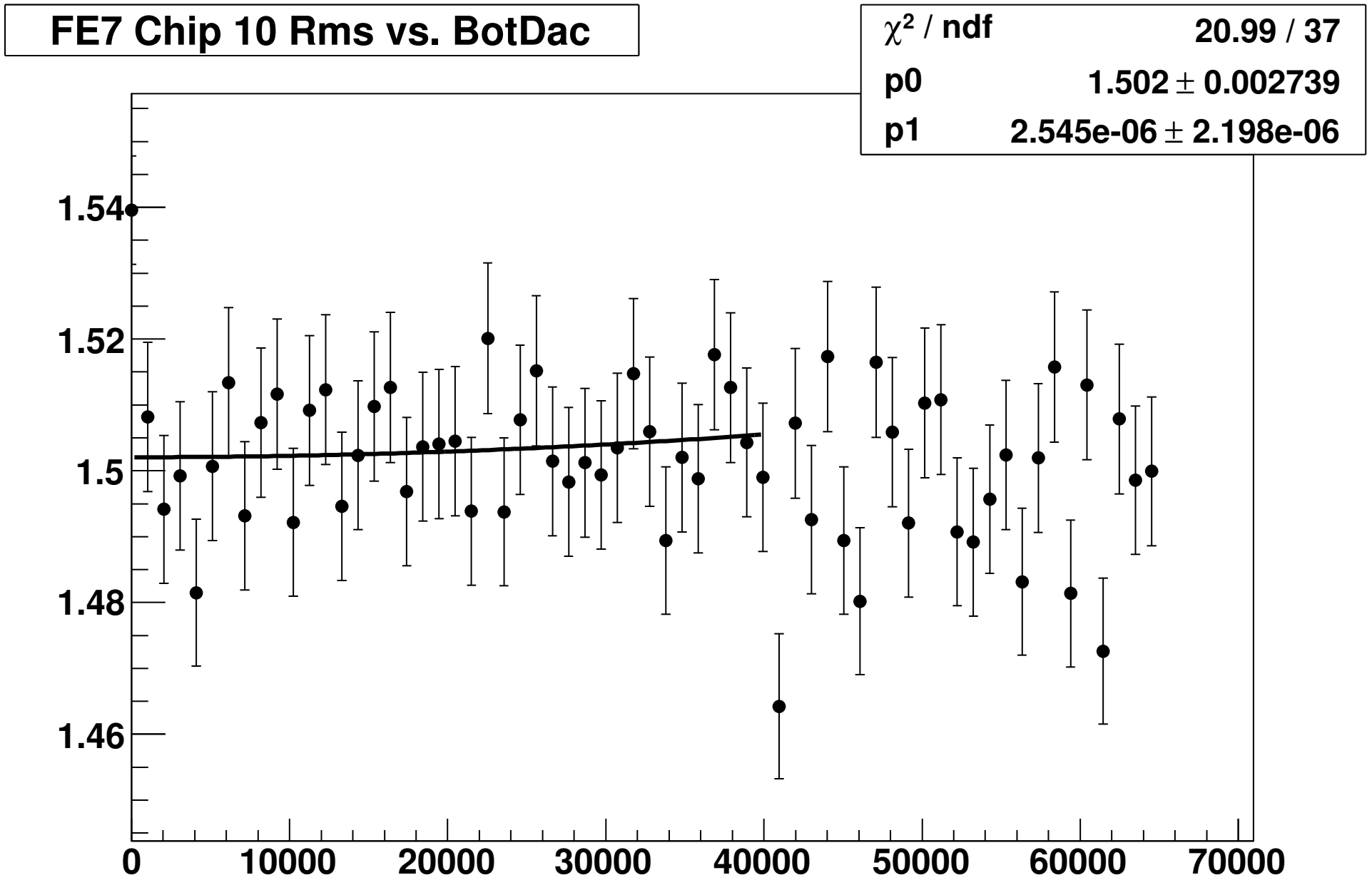

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 3253 / 37
p0 72.86 ± 0.00521
p1 -7.596e-06 ± 2.218e-07
73.2
73
72.8
72.6
72.4
0
10000
20000
30000
40000
50000
60000
70000

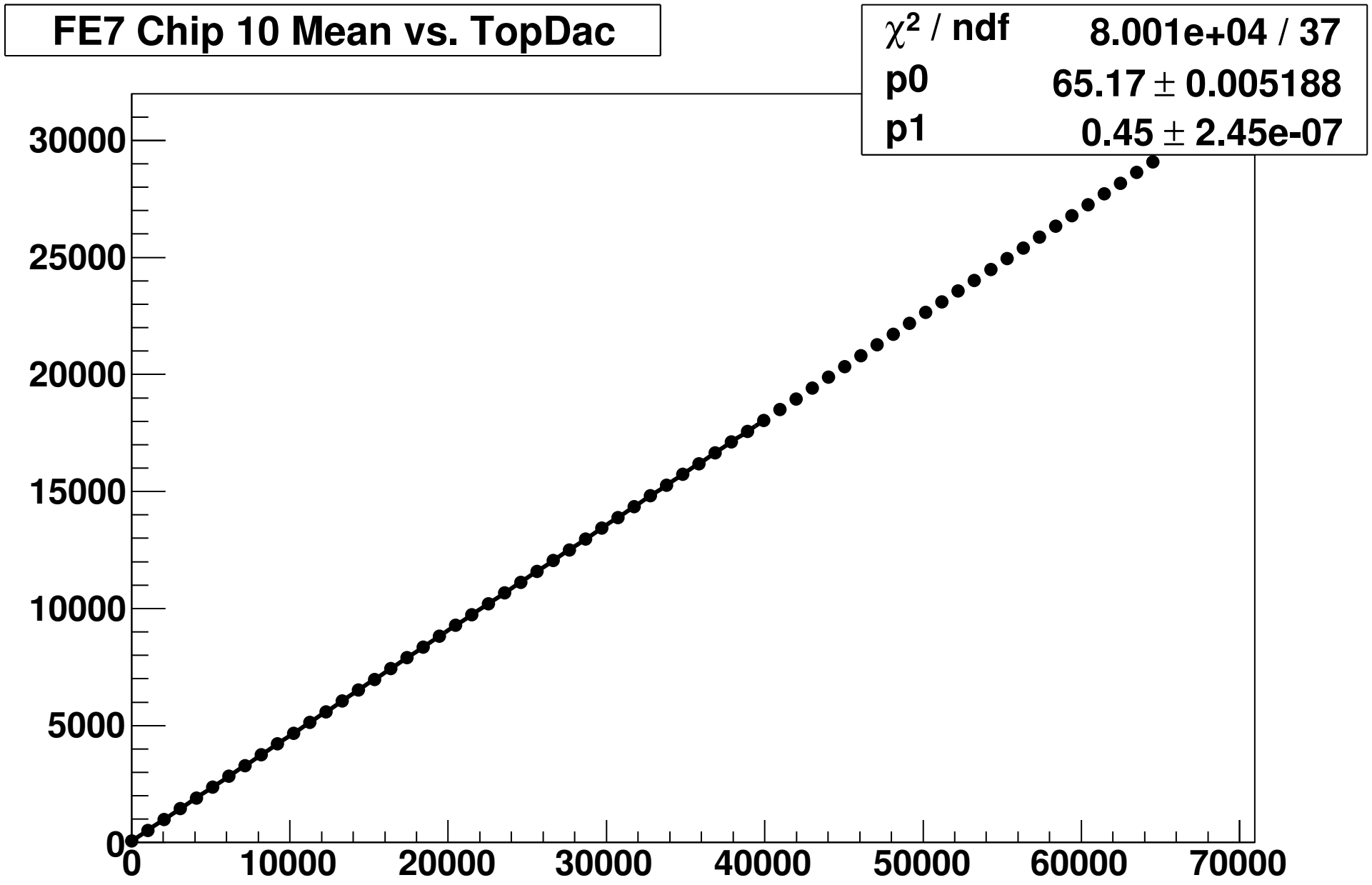

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 31.11 / 37
p0 1.504 ± 0.002742
p1 2.35e-06 ± 2.385e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

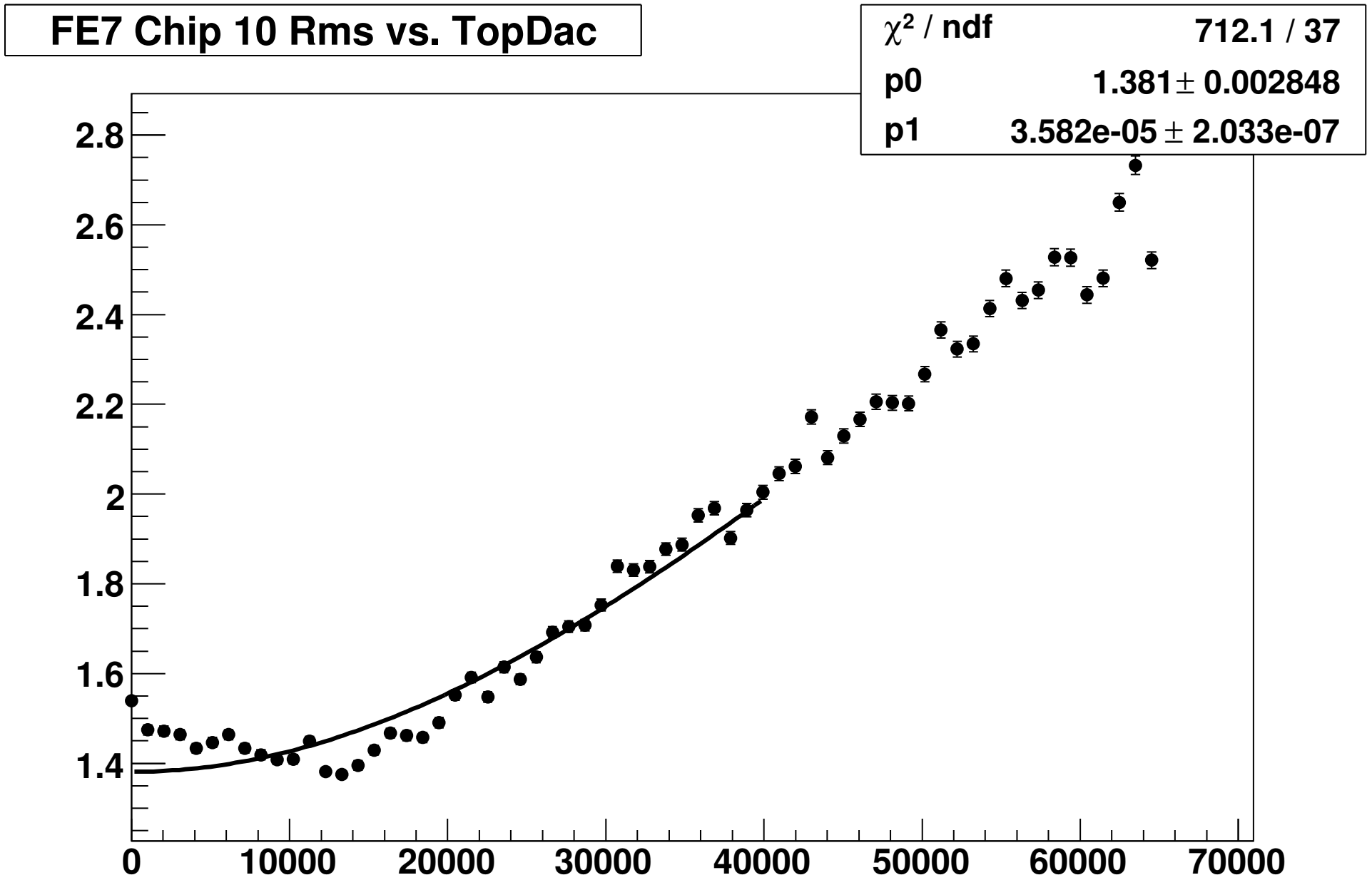

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 8.227e+04 / 37
p0 72.22 ± 0.005213
p1 0.4505 ± 2.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

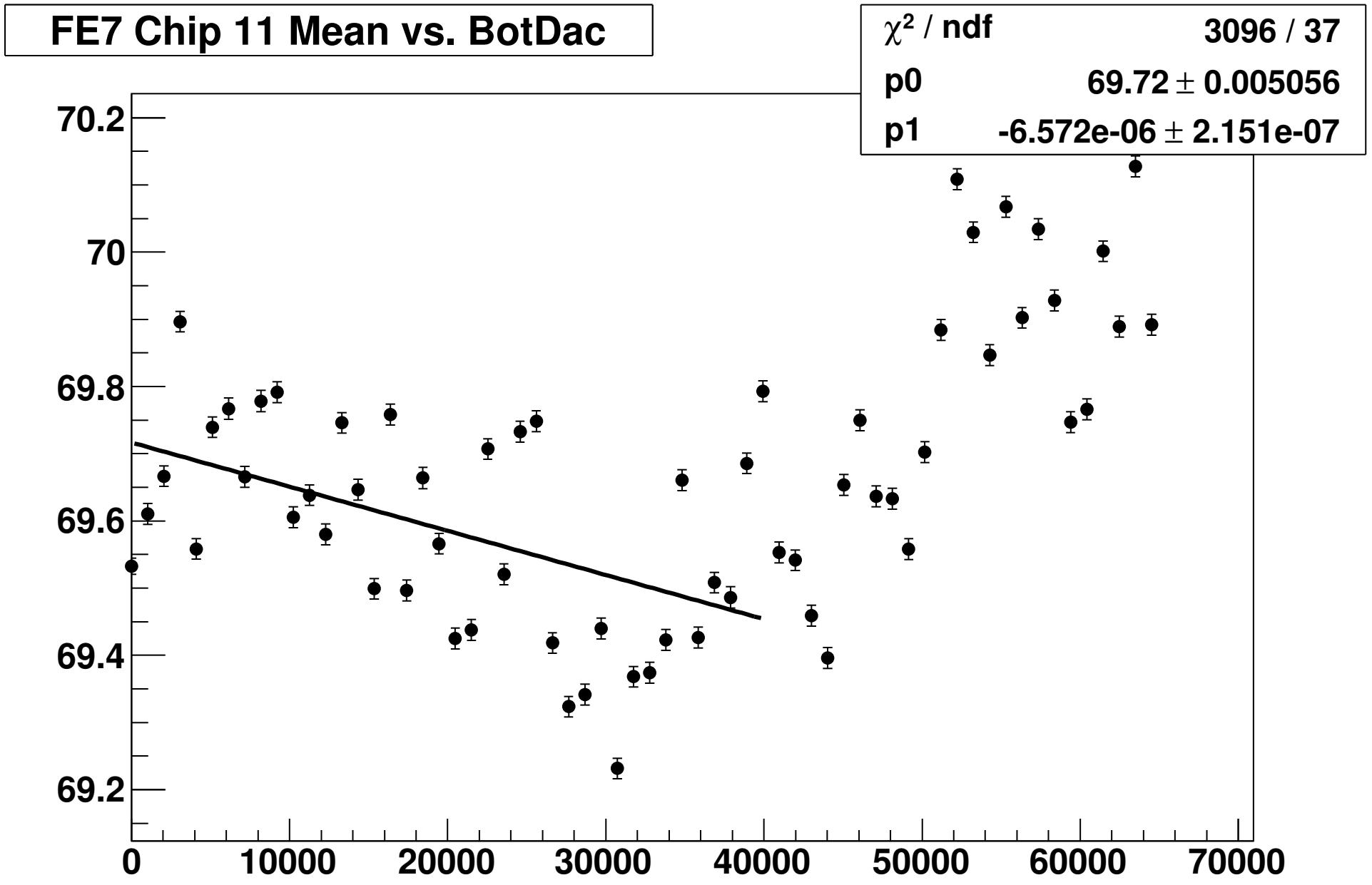

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 709.5 / 37
p0 1.391 ± 0.002873
p1 3.642e-05 ± 2.039e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

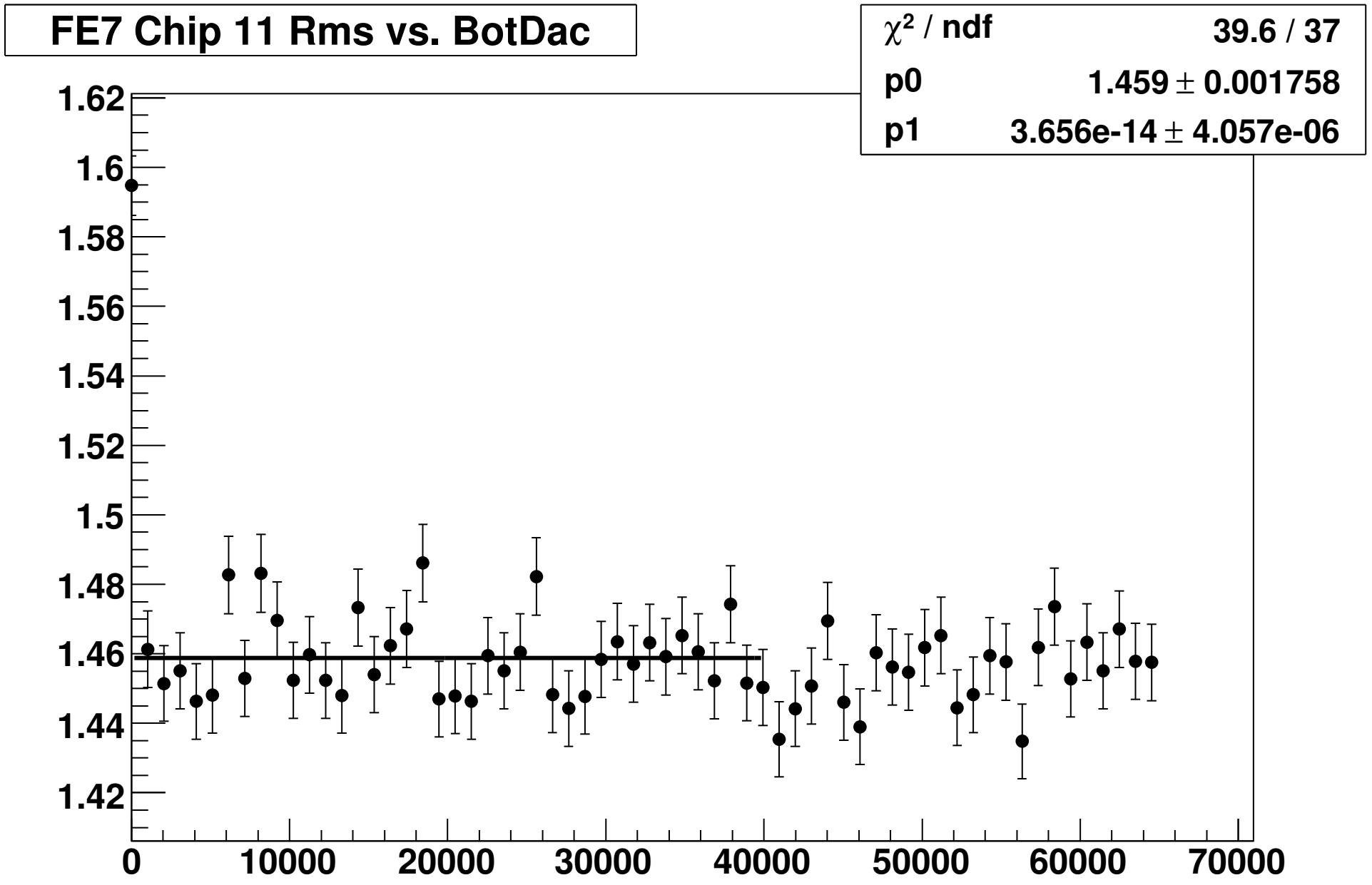

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 3224 / 37
p0 65.77 ± 0.005203
p1 -7.214e-06 ± 2.215e-07
66.2
66
65.8
65.6
65.4
65.2
0
10000
20000
30000
40000
50000
60000
70000

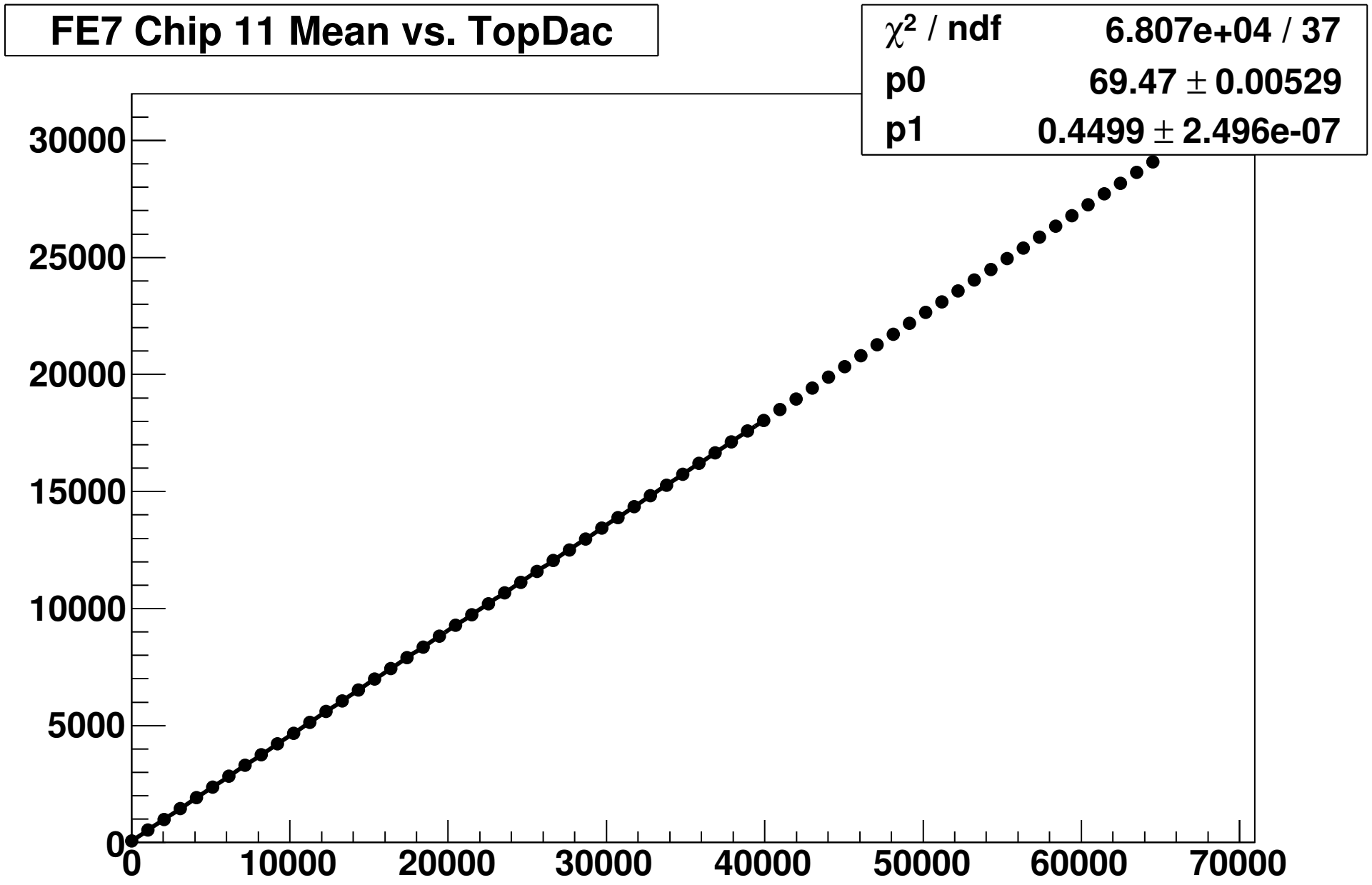

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 20.99 / 37
p0 1.502 ± 0.002739
p1 2.545e-06 ± 2.198e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

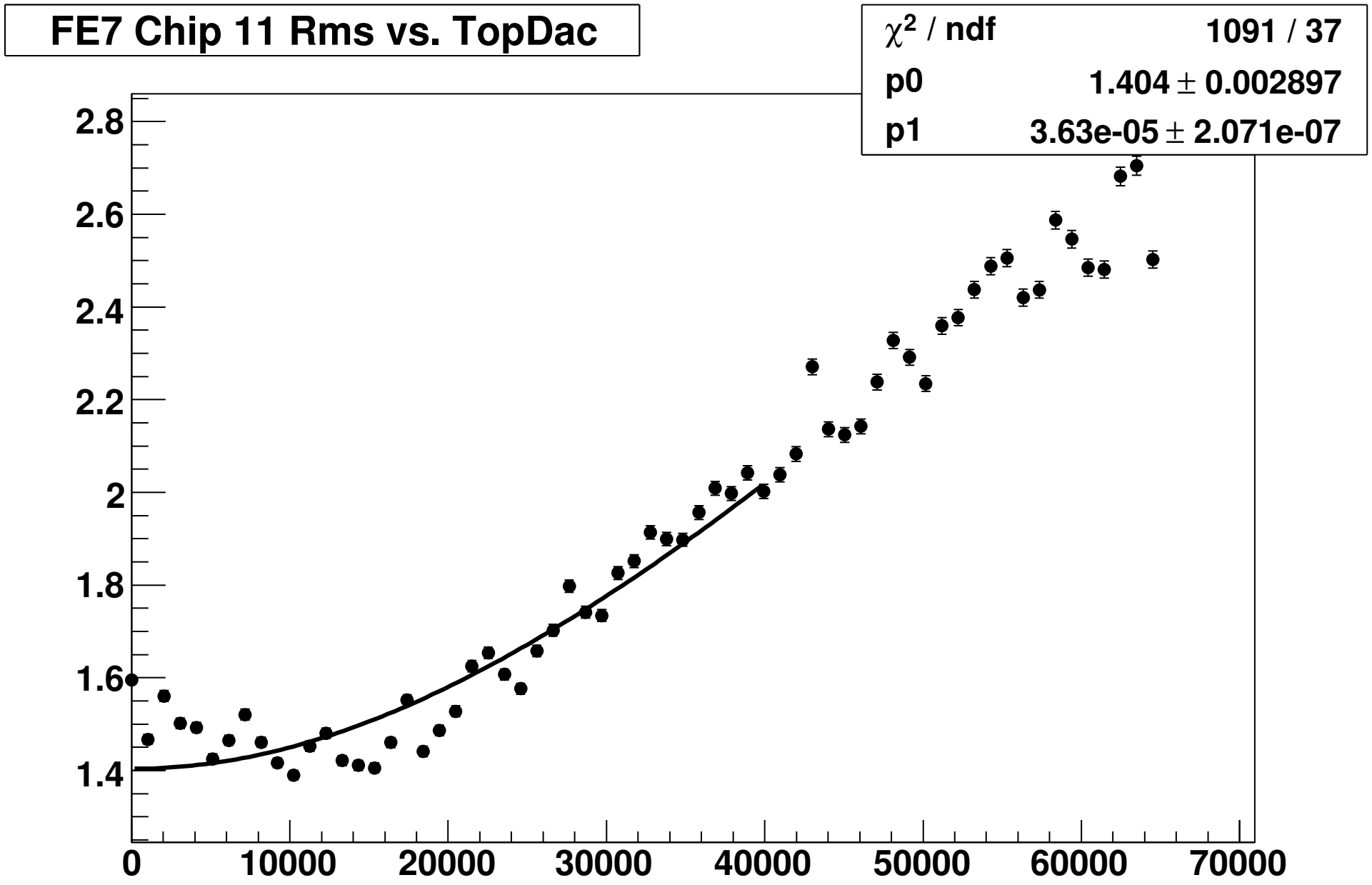

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 8.001e+04 / 37
p0 65.17 ± 0.005188
p1 0.45 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

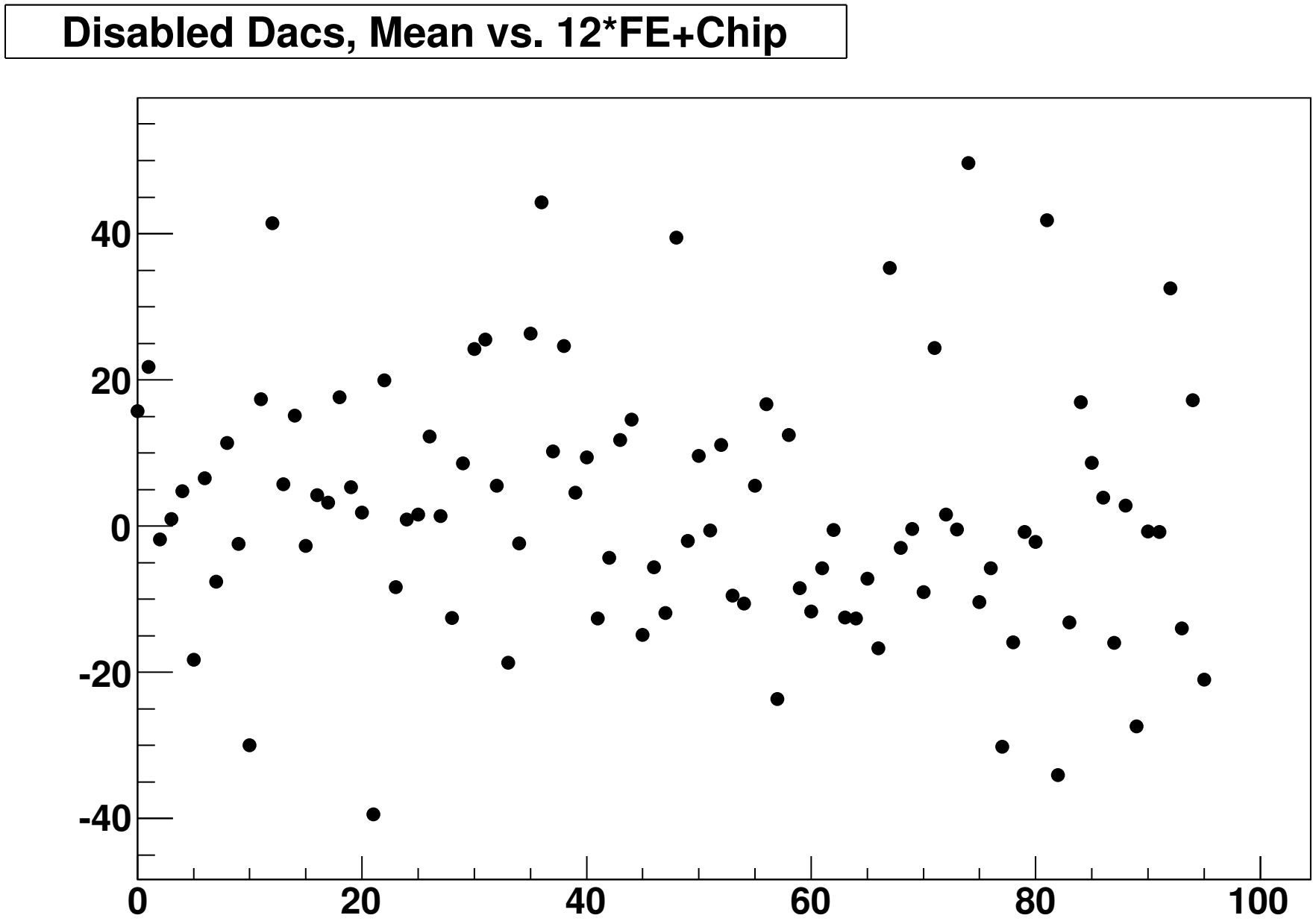

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 712.1 / 37
p0 1.381 ± 0.002848
p1 3.582e-05 ± 2.033e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

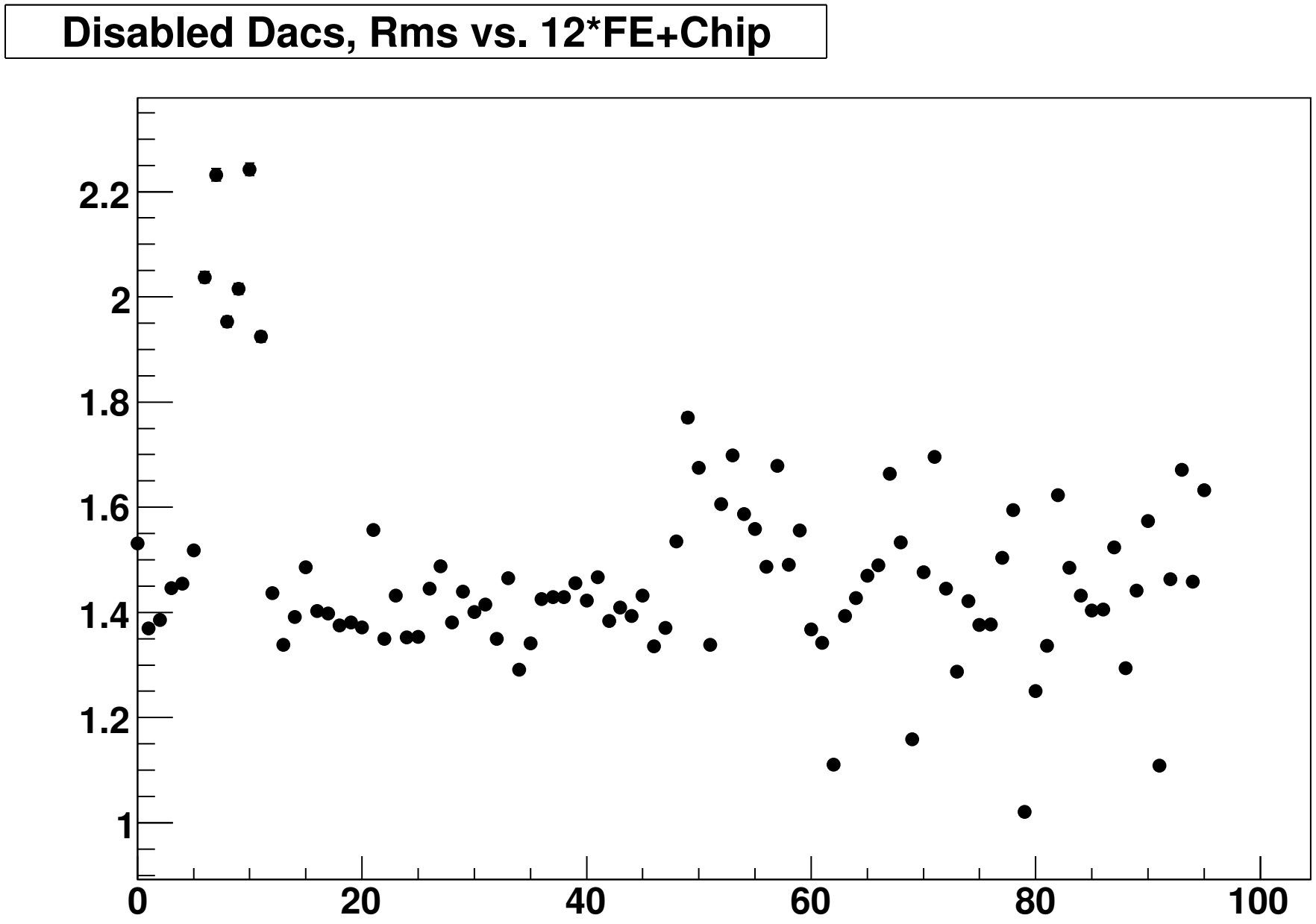

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 3096 / 37
p0 69.72 ± 0.005056
p1 -6.572e-06 ± 2.151e-07
70.2
70
69.8
69.6
69.4
69.2
0
10000
20000
30000
40000
50000
60000
70000

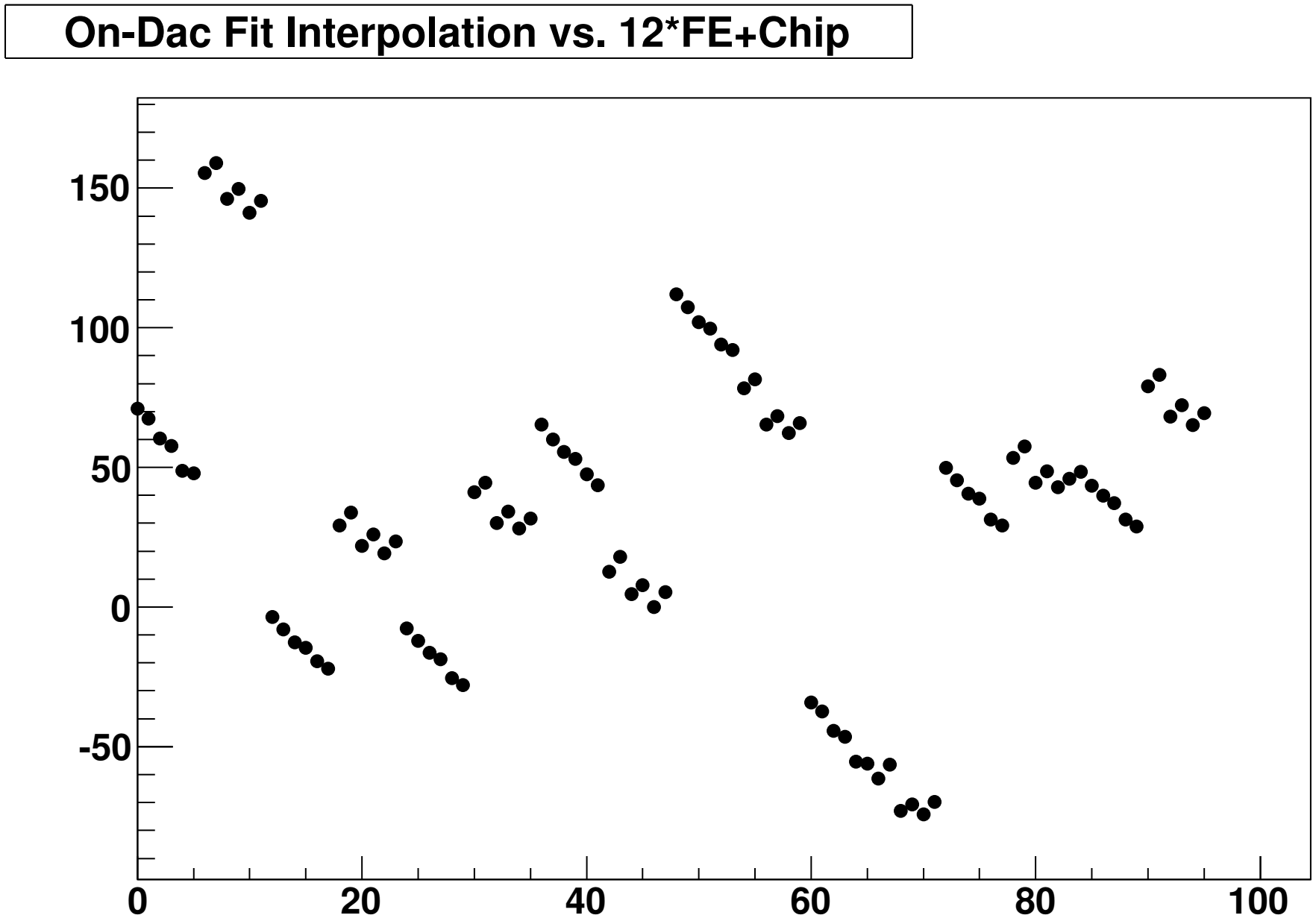

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 39.6 / 37
p0 1.459 ± 0.001758
p1 3.656e-14 ± 4.057e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

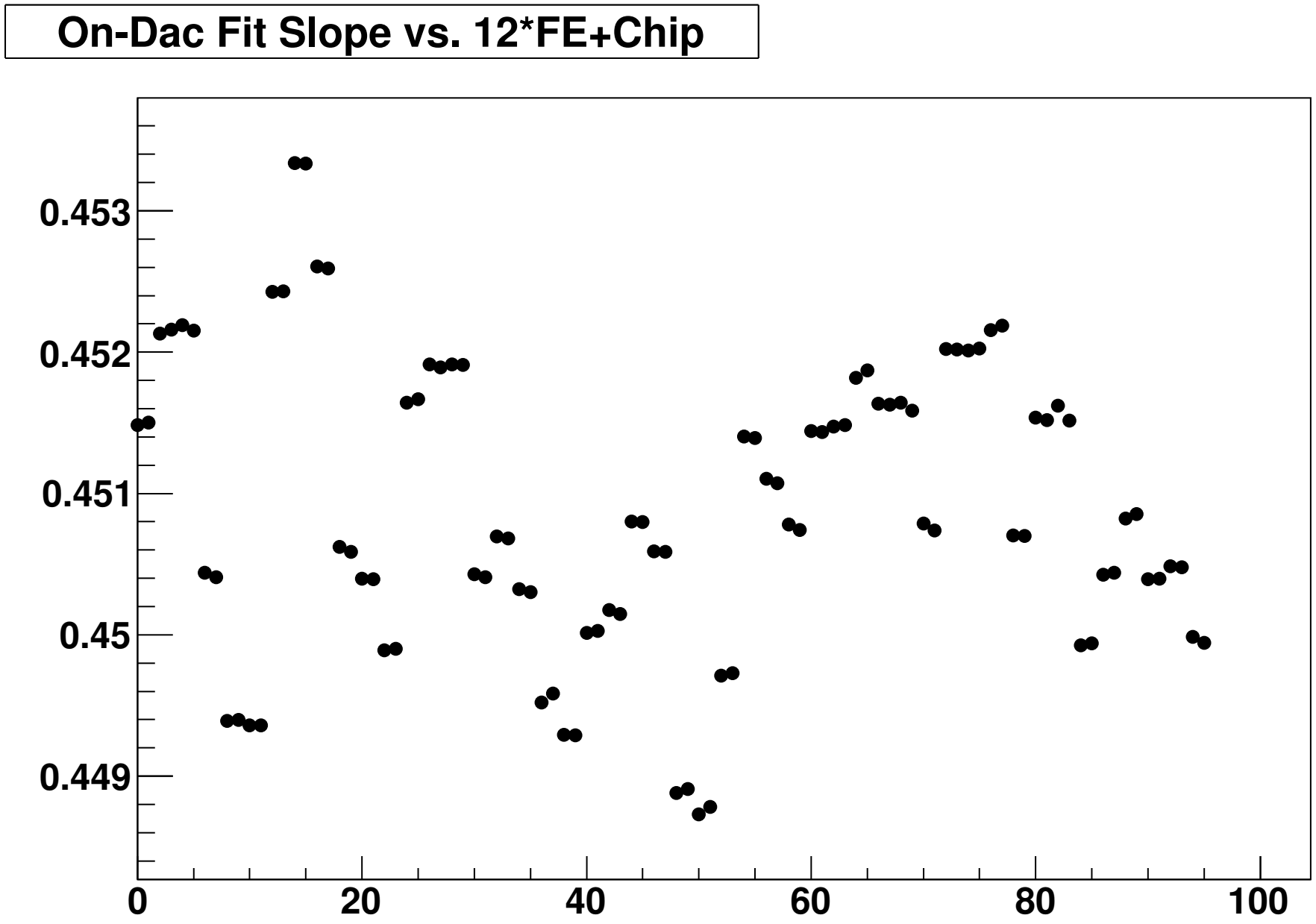

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 6.807e+04 / 37
p0 69.47 ± 0.00529
p1 0.4499 ± 2.496e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

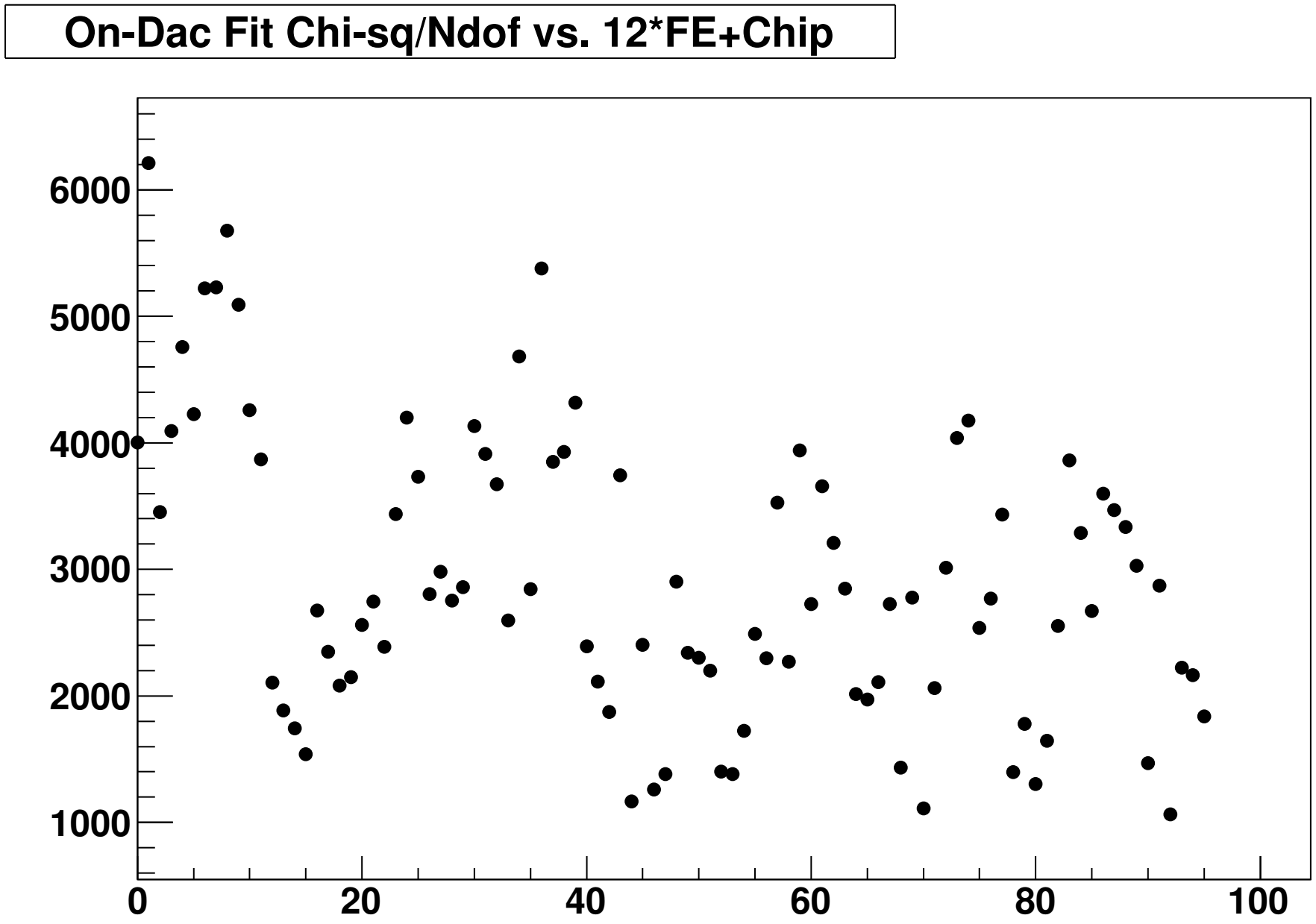

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1091 / 37
p0 1.404 ± 0.002897
p1 3.63e-05 ± 2.071e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

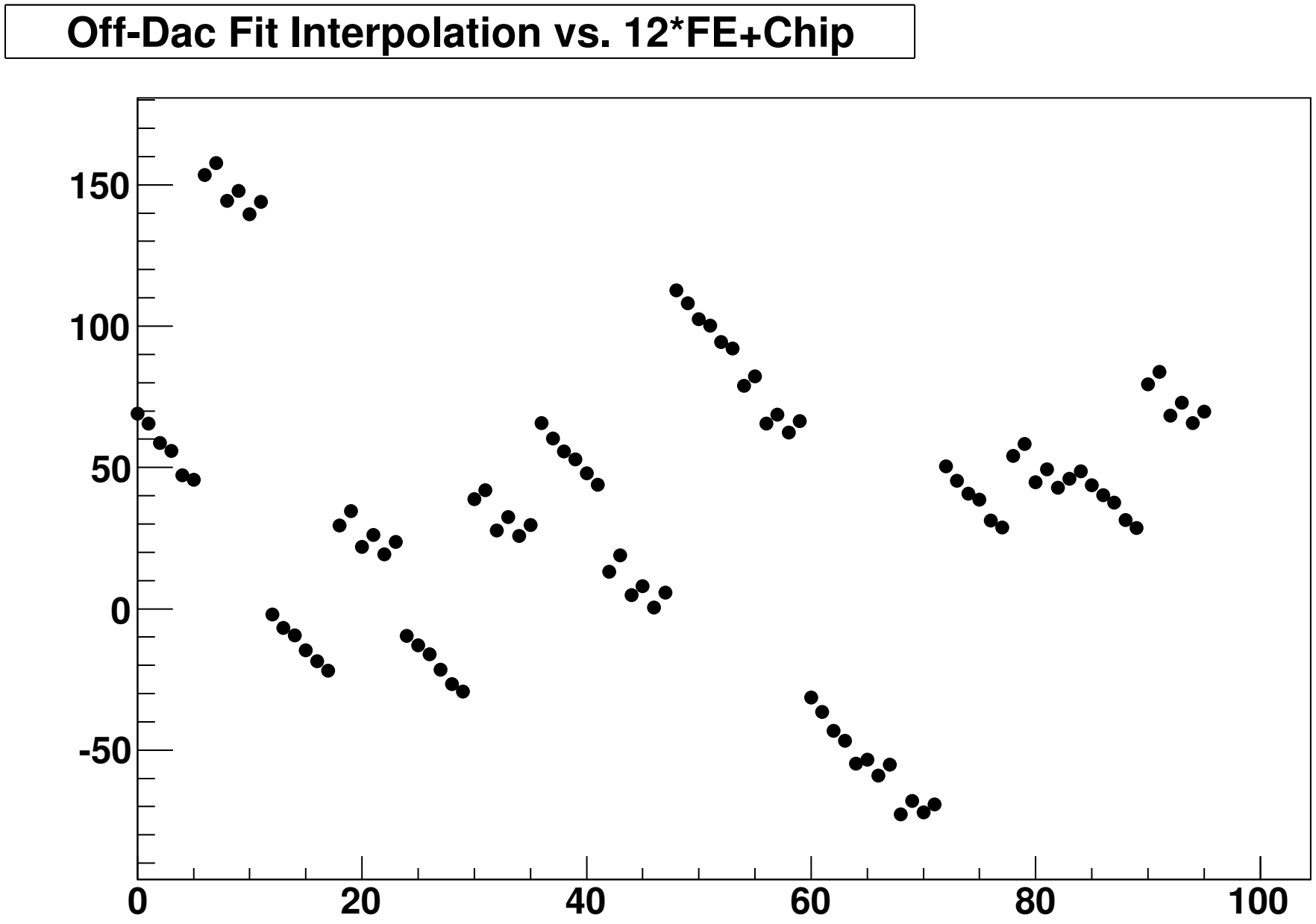

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

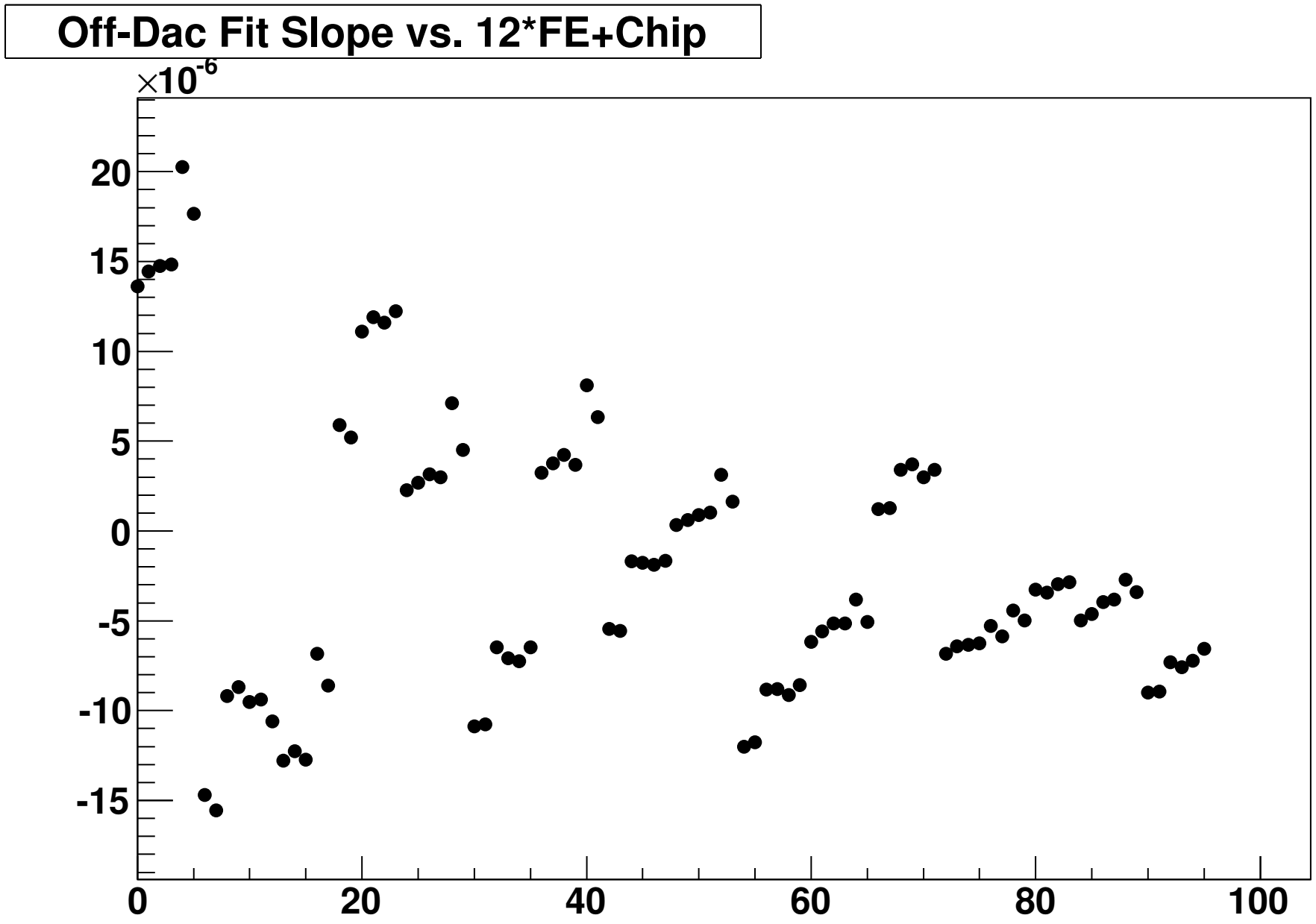

Disabled Dacs, Rms vs. 12*FE+Chip
2.2
2
1.8
1.6
1.4
1.2
1
0
20
40
60
80
100

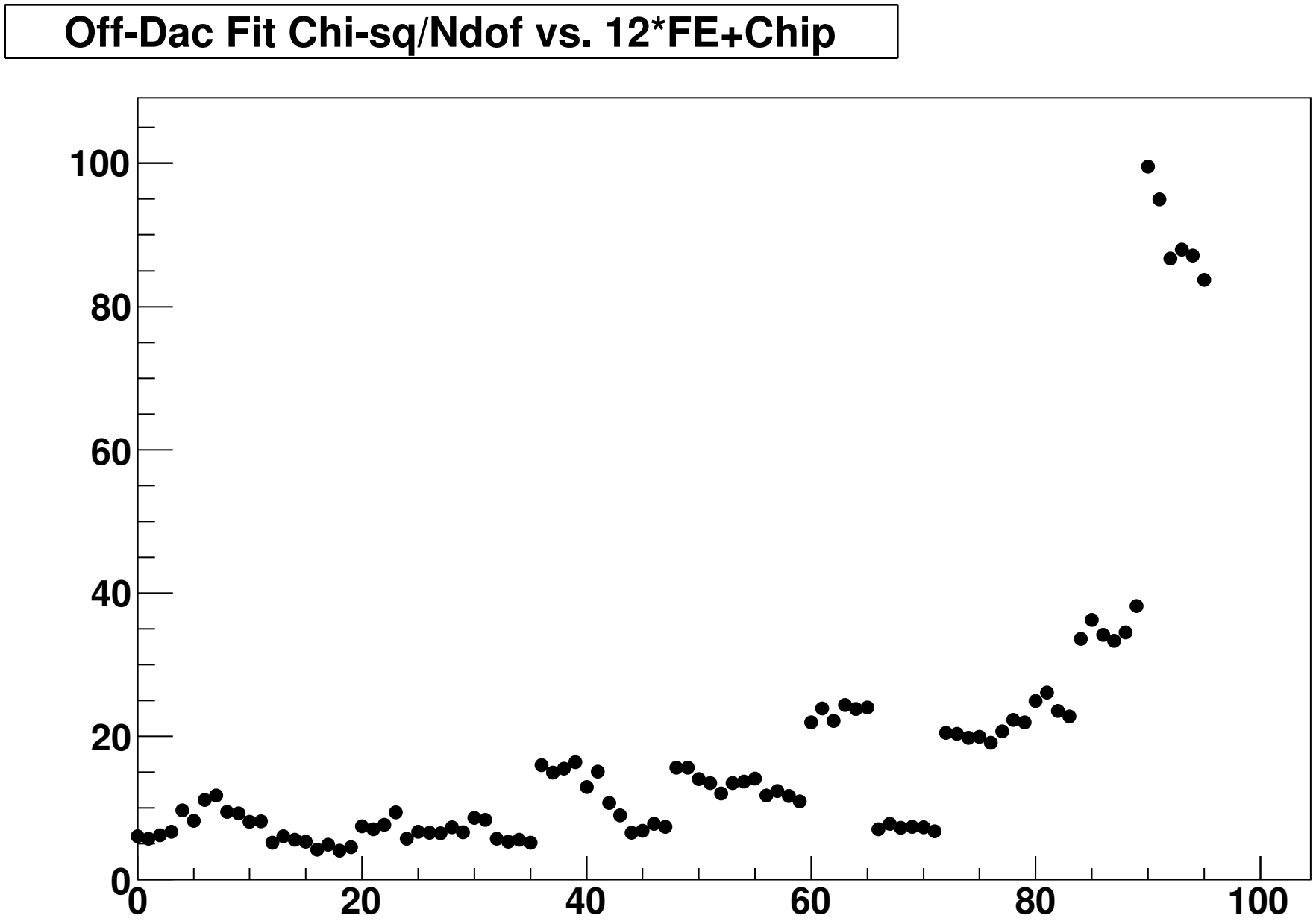

On-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

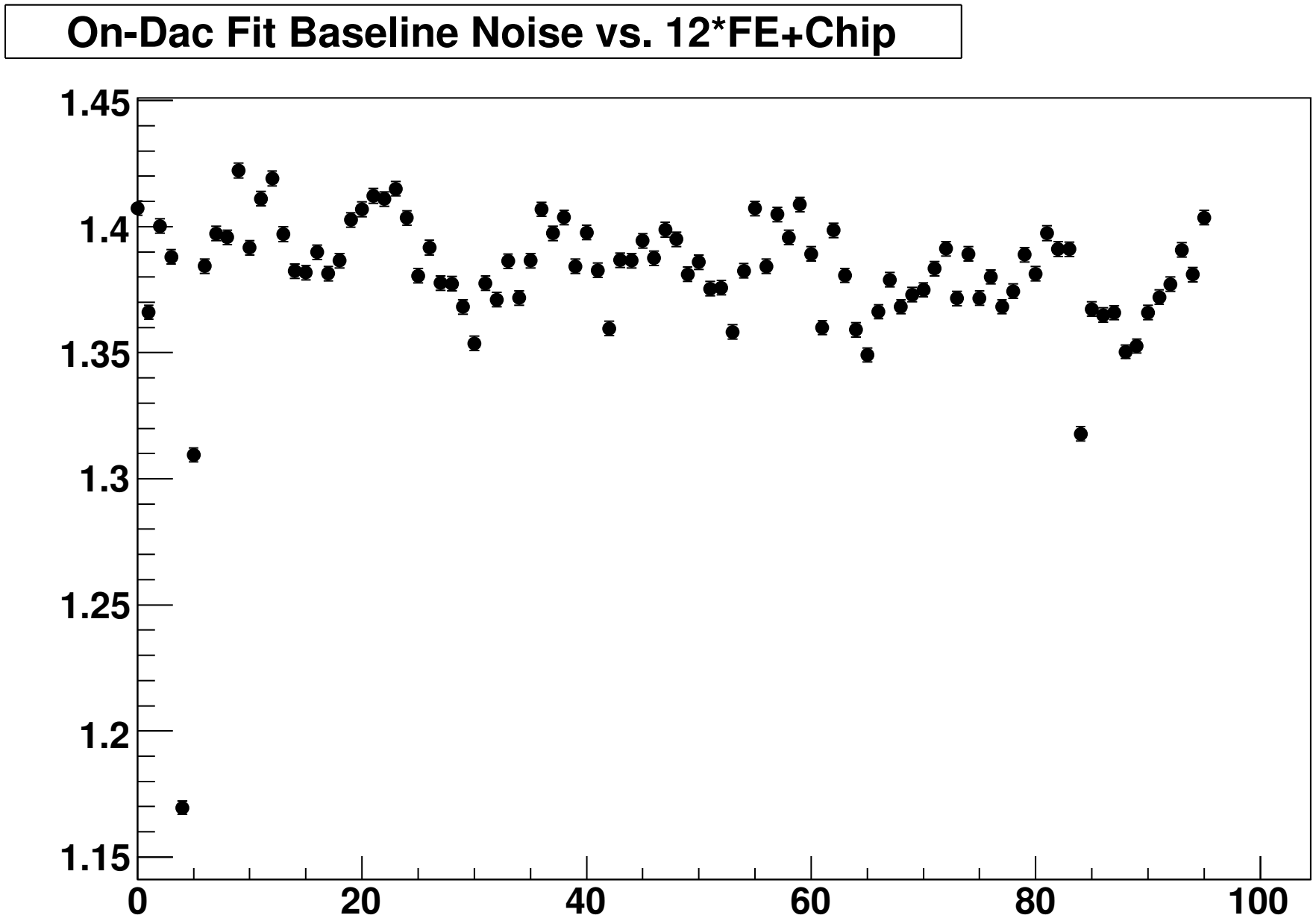

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.452
0.451
0.45
0.449
0
20
40
60
80
100

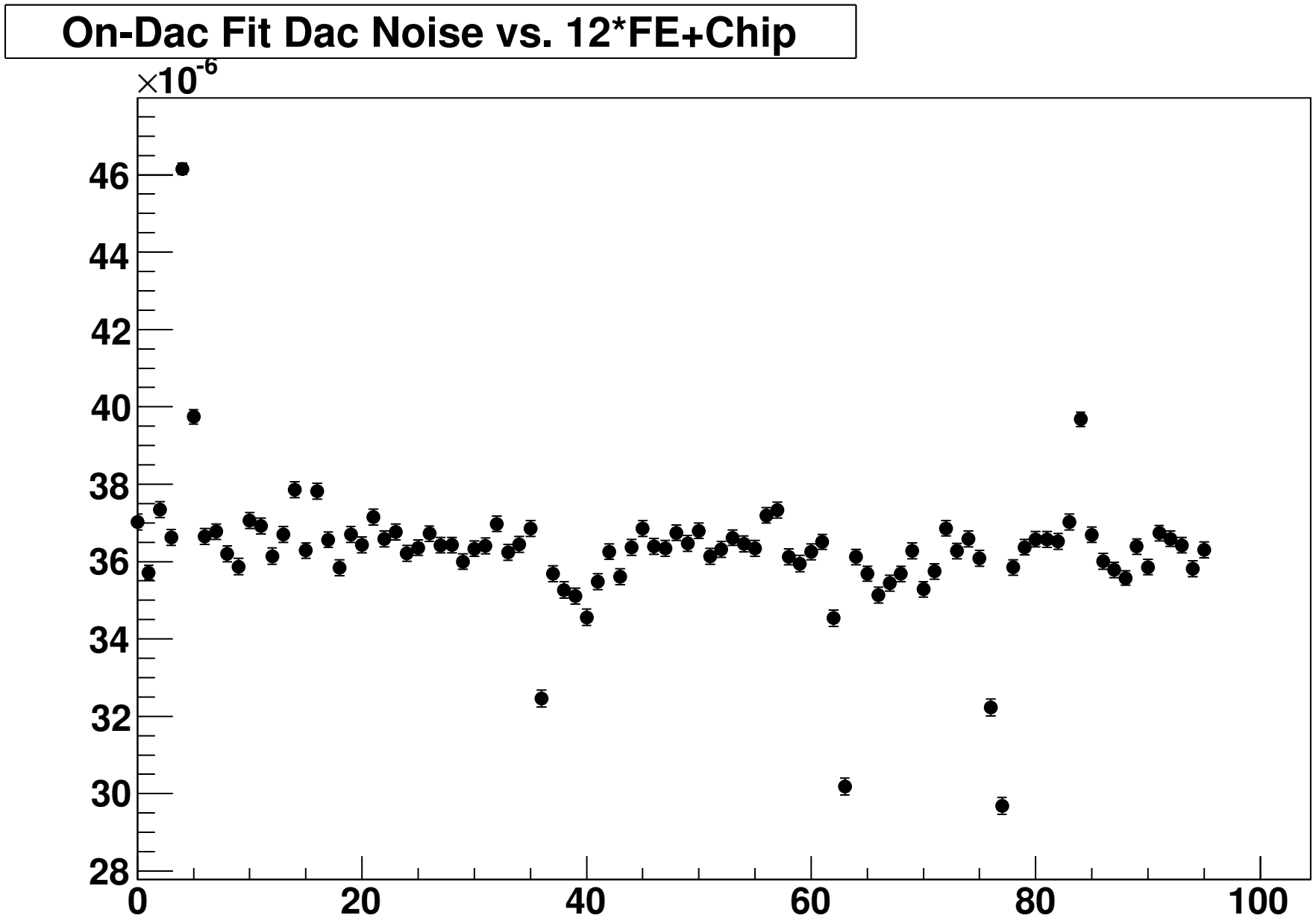

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

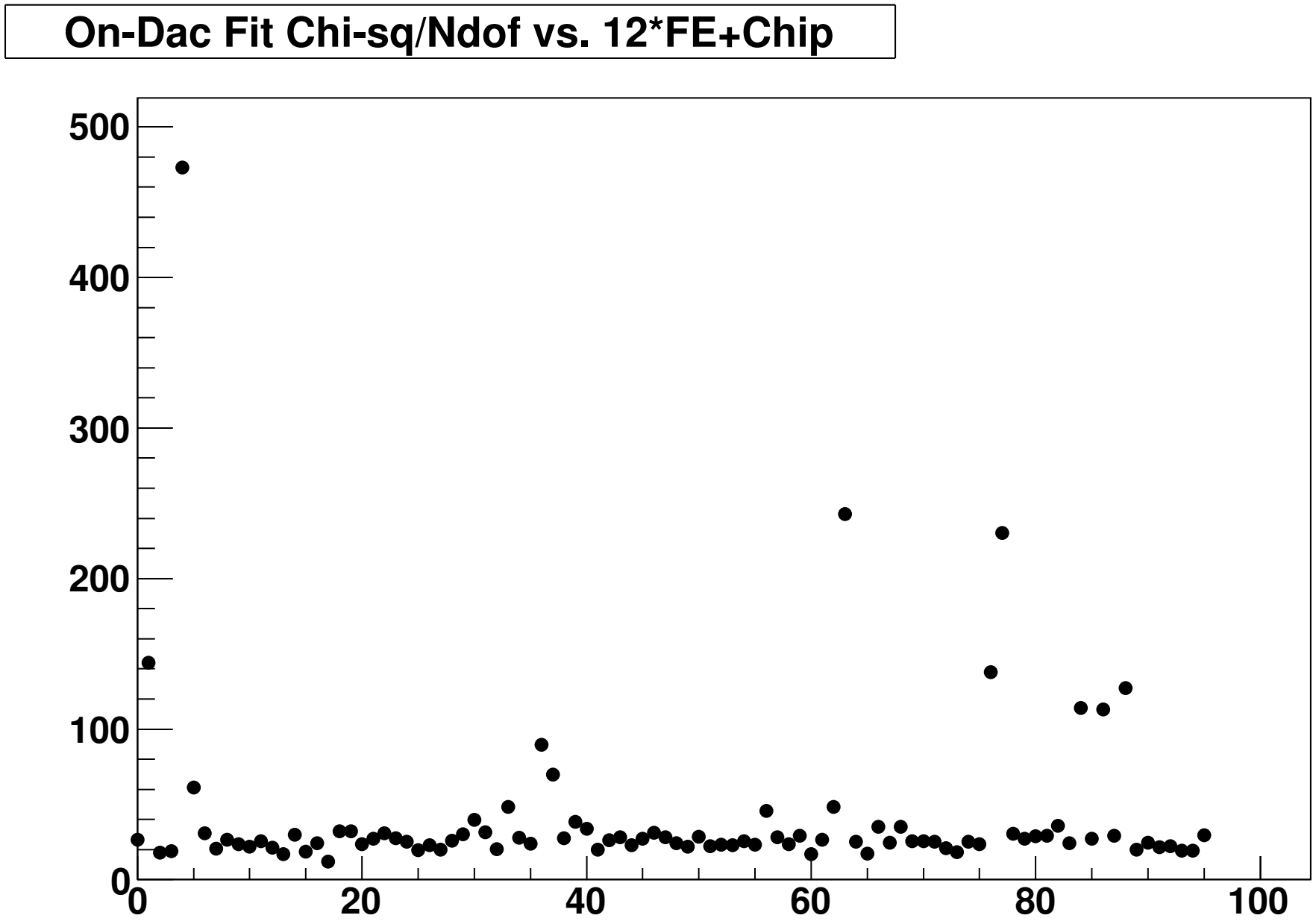

Off-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

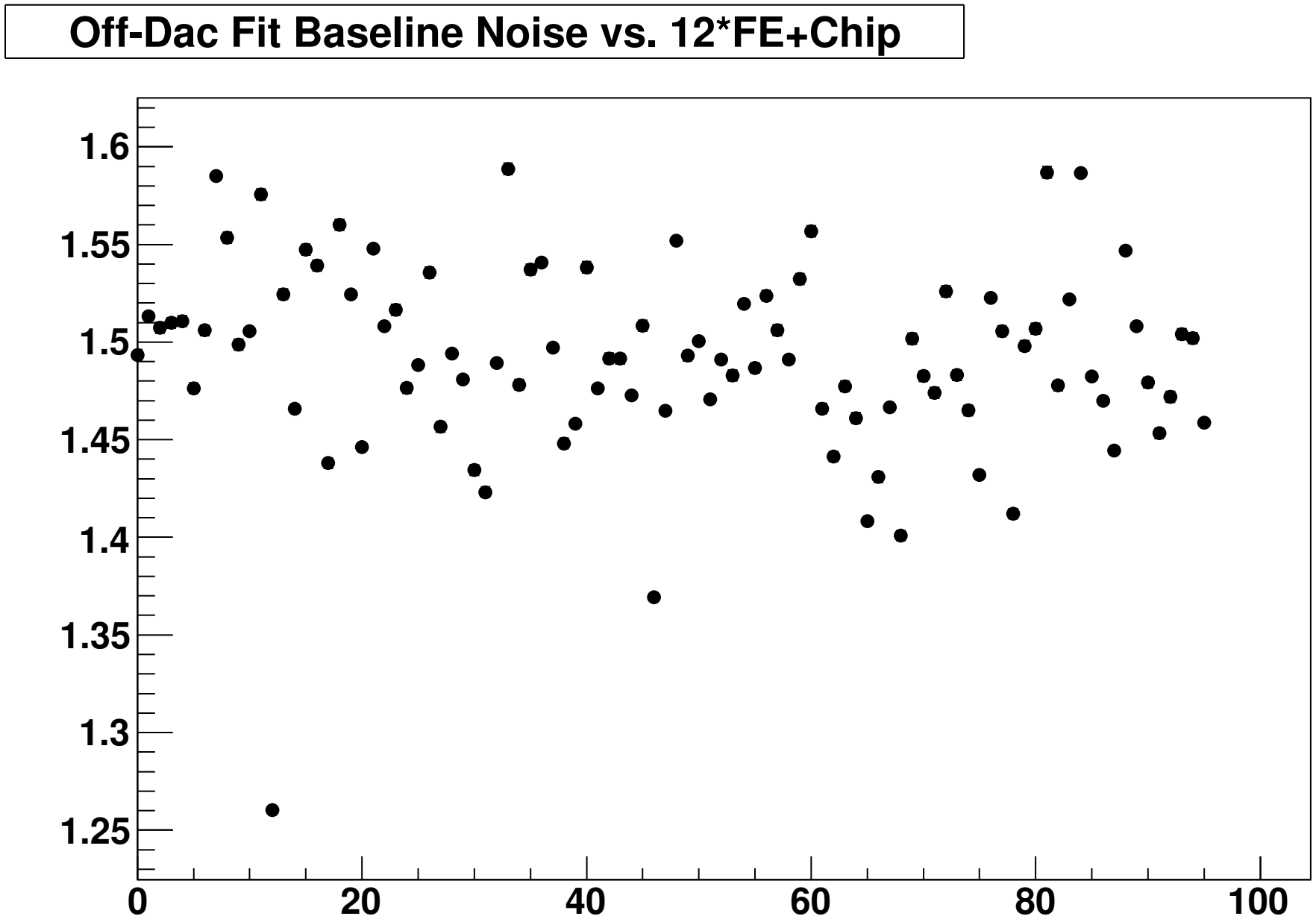

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
20
15
10
5
0
-5
-10
-15
0
20
40
60
80
100

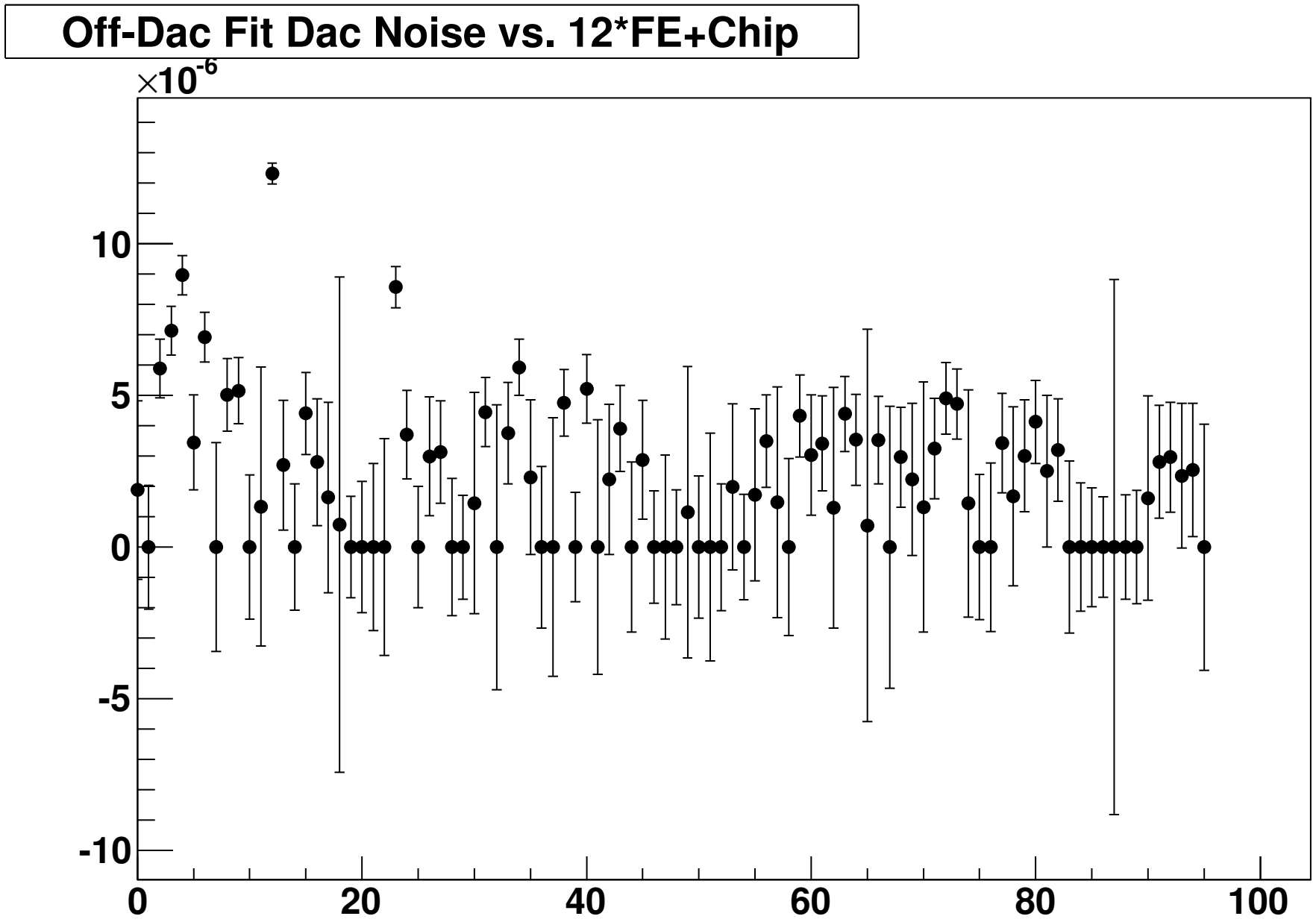

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
100
80
60
40
20
0
0
20
40
60
80
100

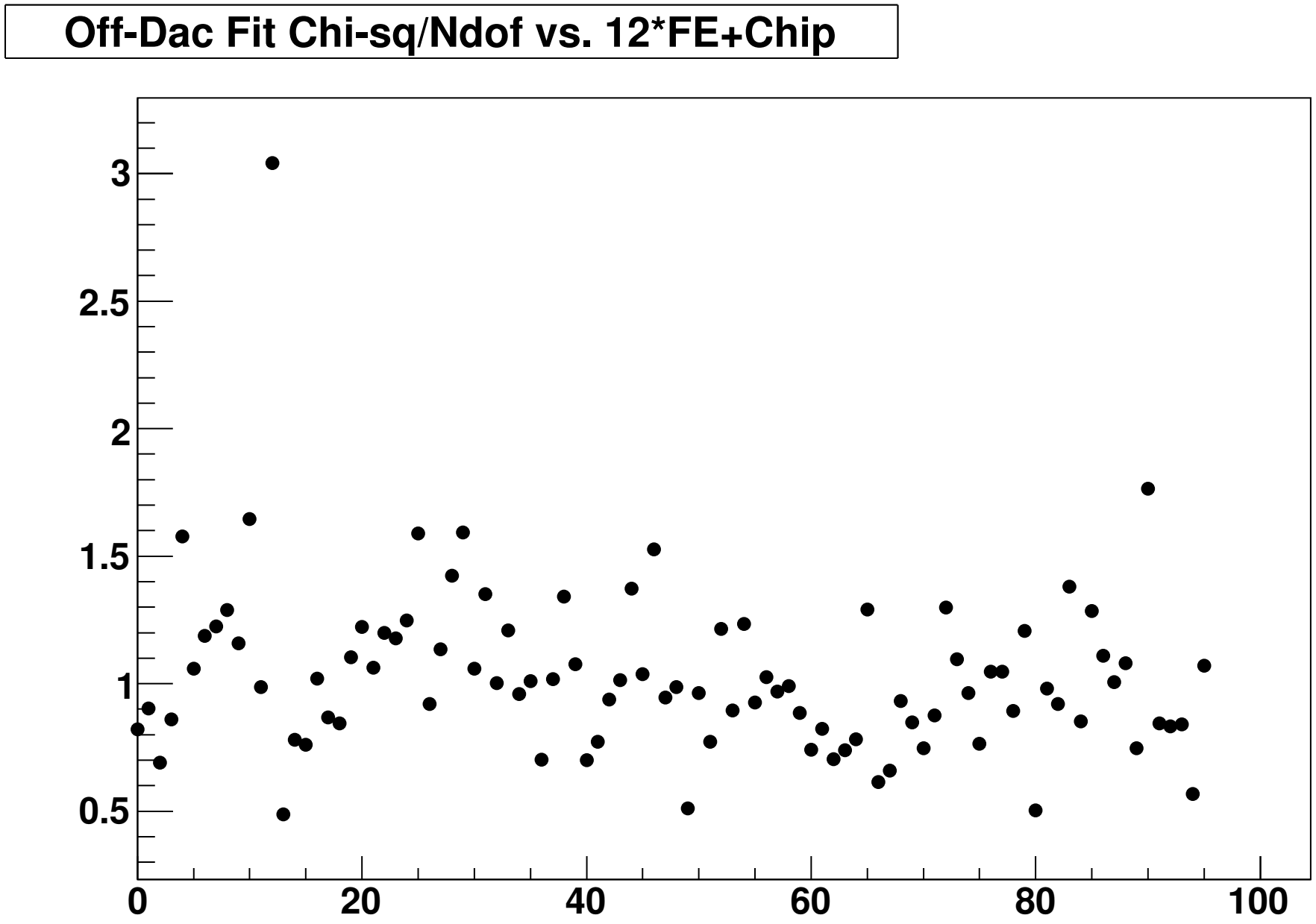

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.45
1.4
1.35
1.3
1.25
1.2
1.15
0
20
40
60
80
100

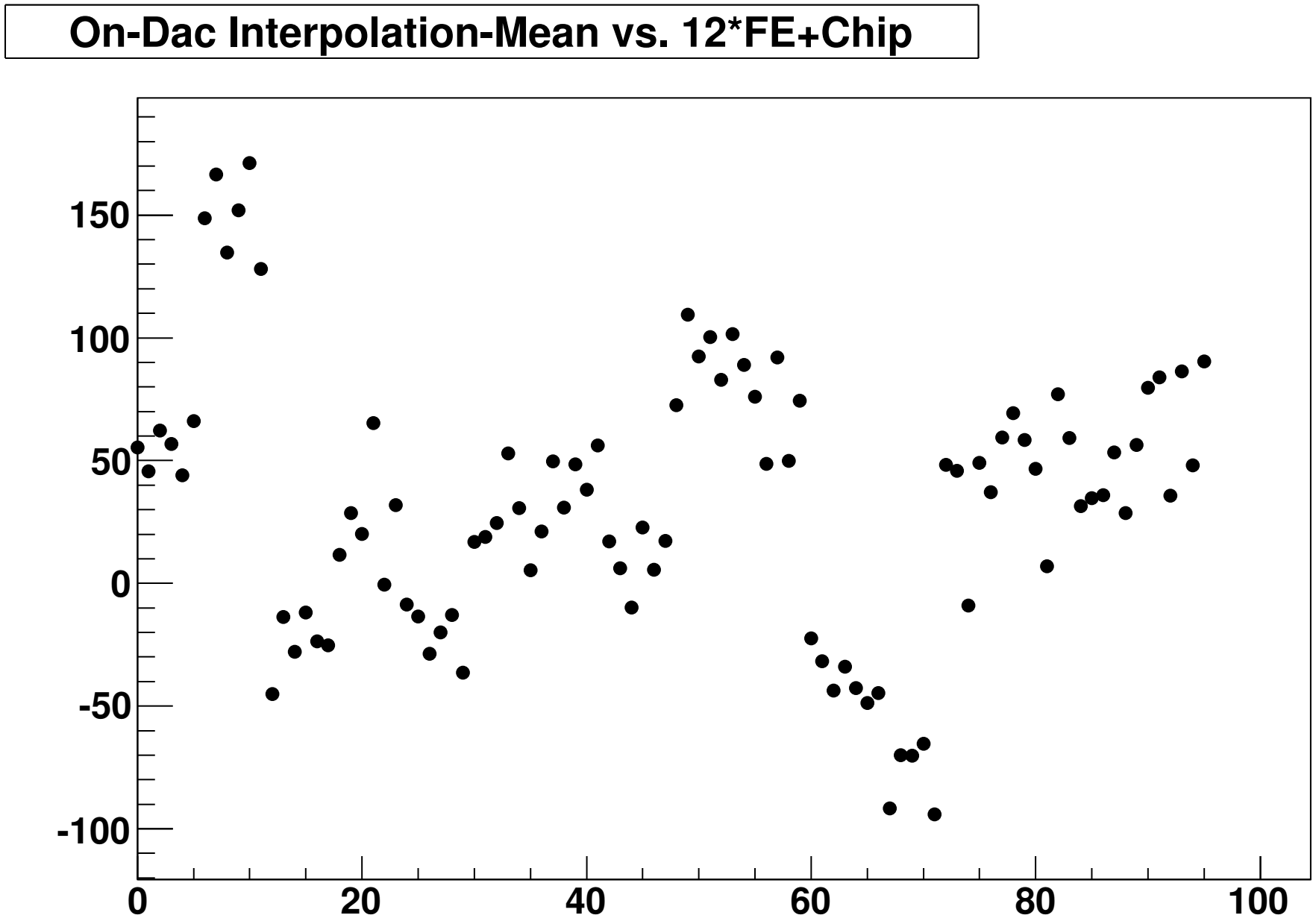

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
46
44
42
40
38
36
34
32
30
28
0
20
40
60
80
100

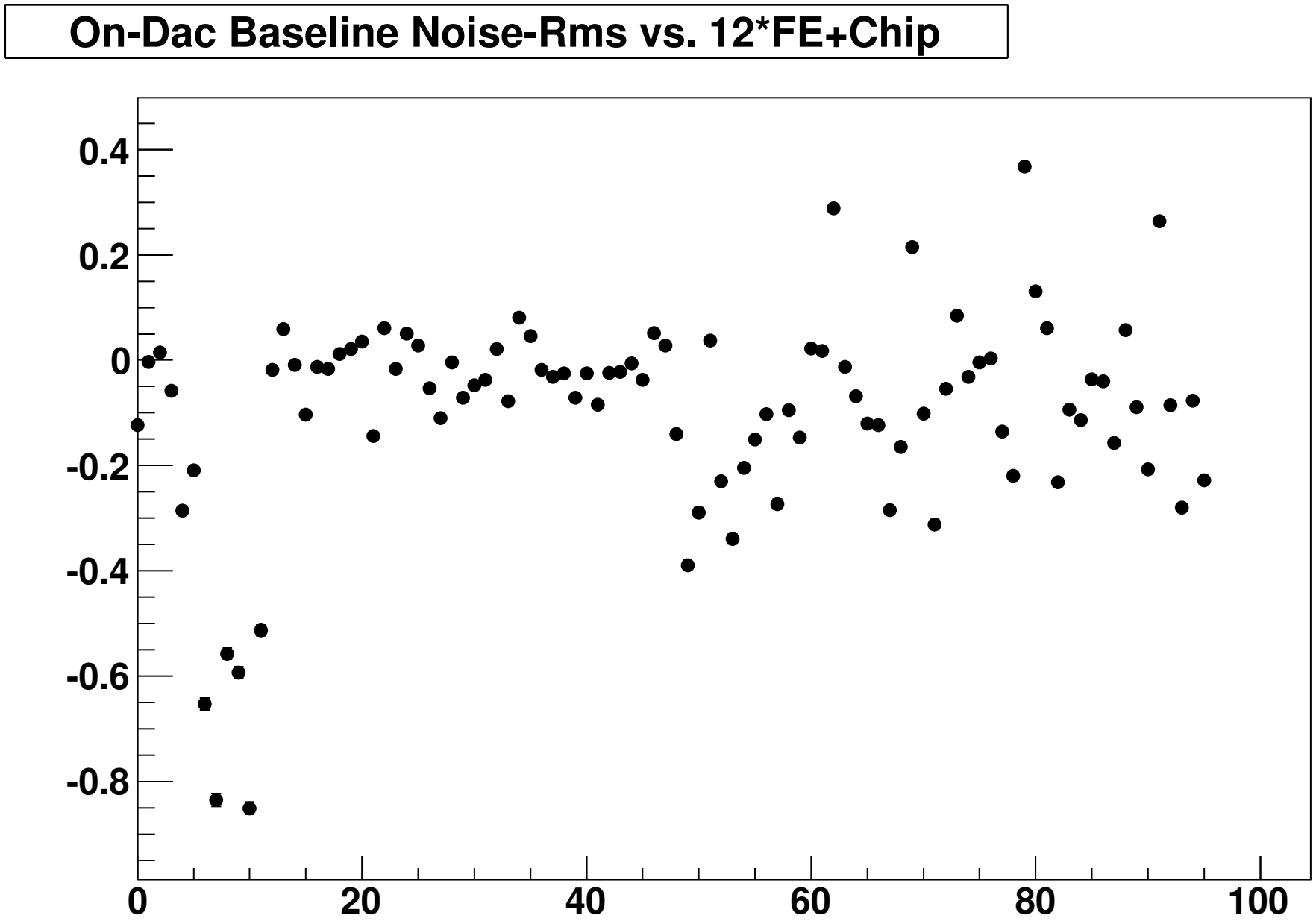

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
500
400
300
200
100
0
0
20
40
60
80
100

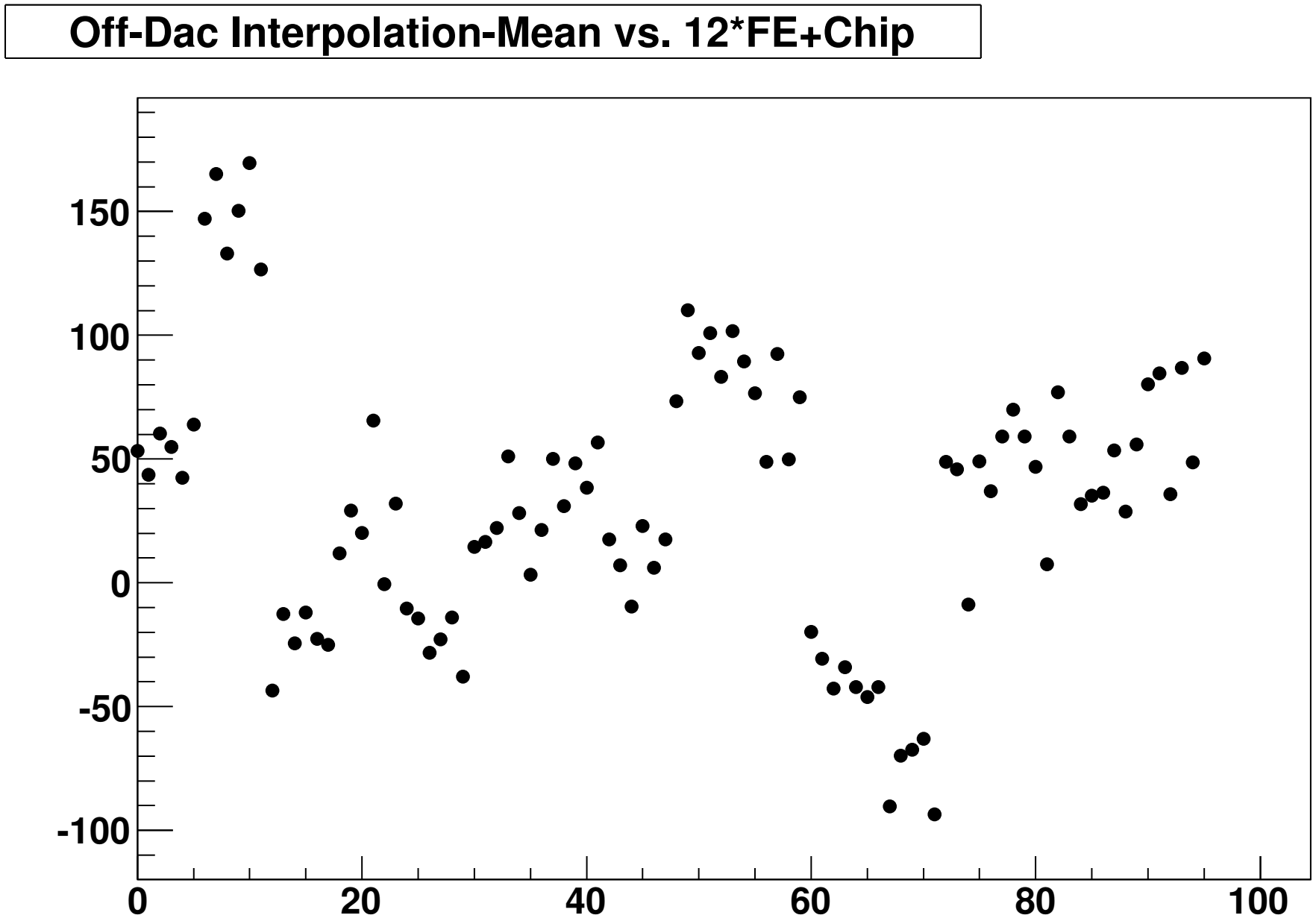

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.55
1.5
1.45
1.4
1.35
1.3
1.25
0
20
40
60
80
100

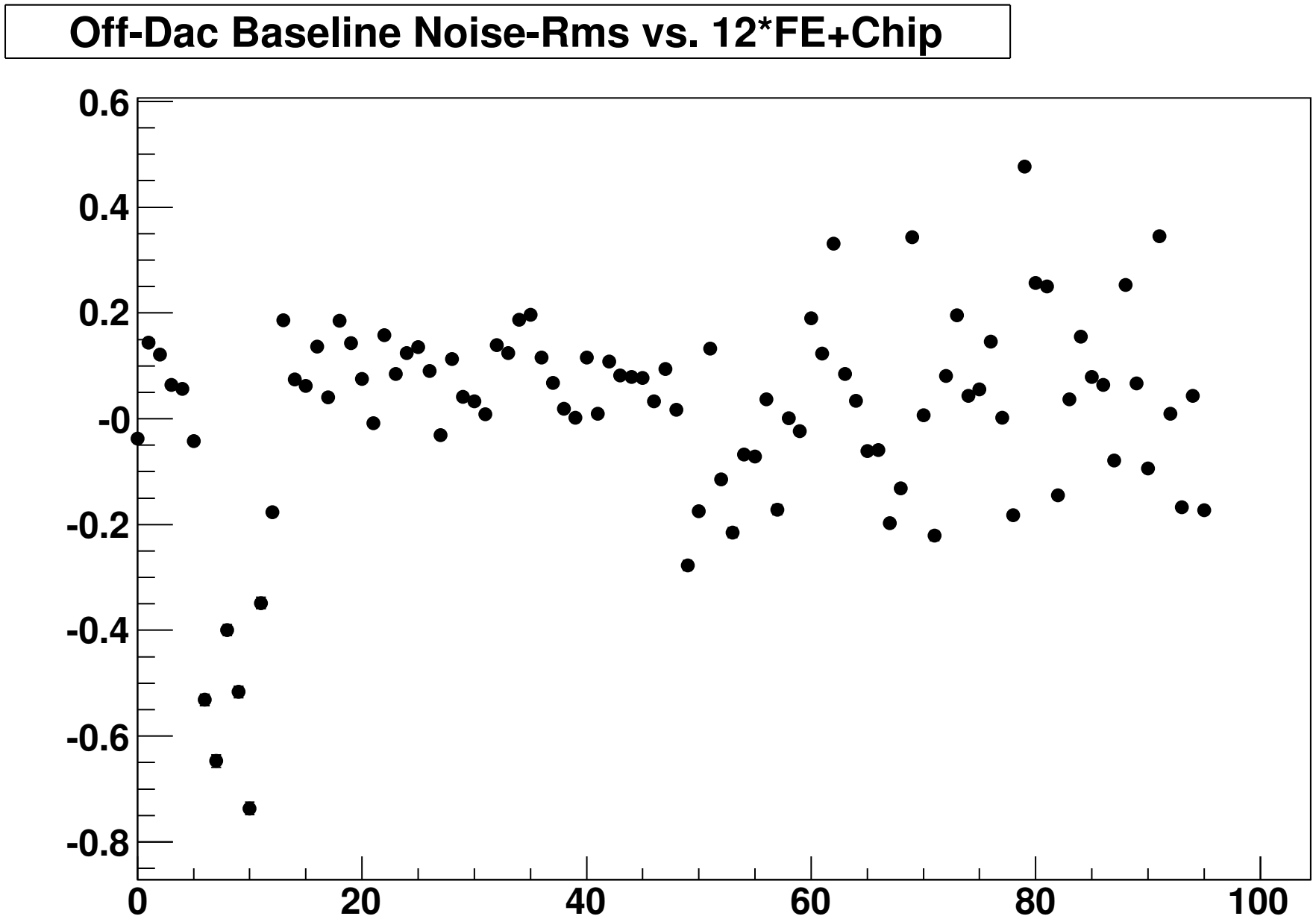

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
10
5
0
-5
-10
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
3
2.5
2
1.5
1
0.5
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100


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


Off-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100


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