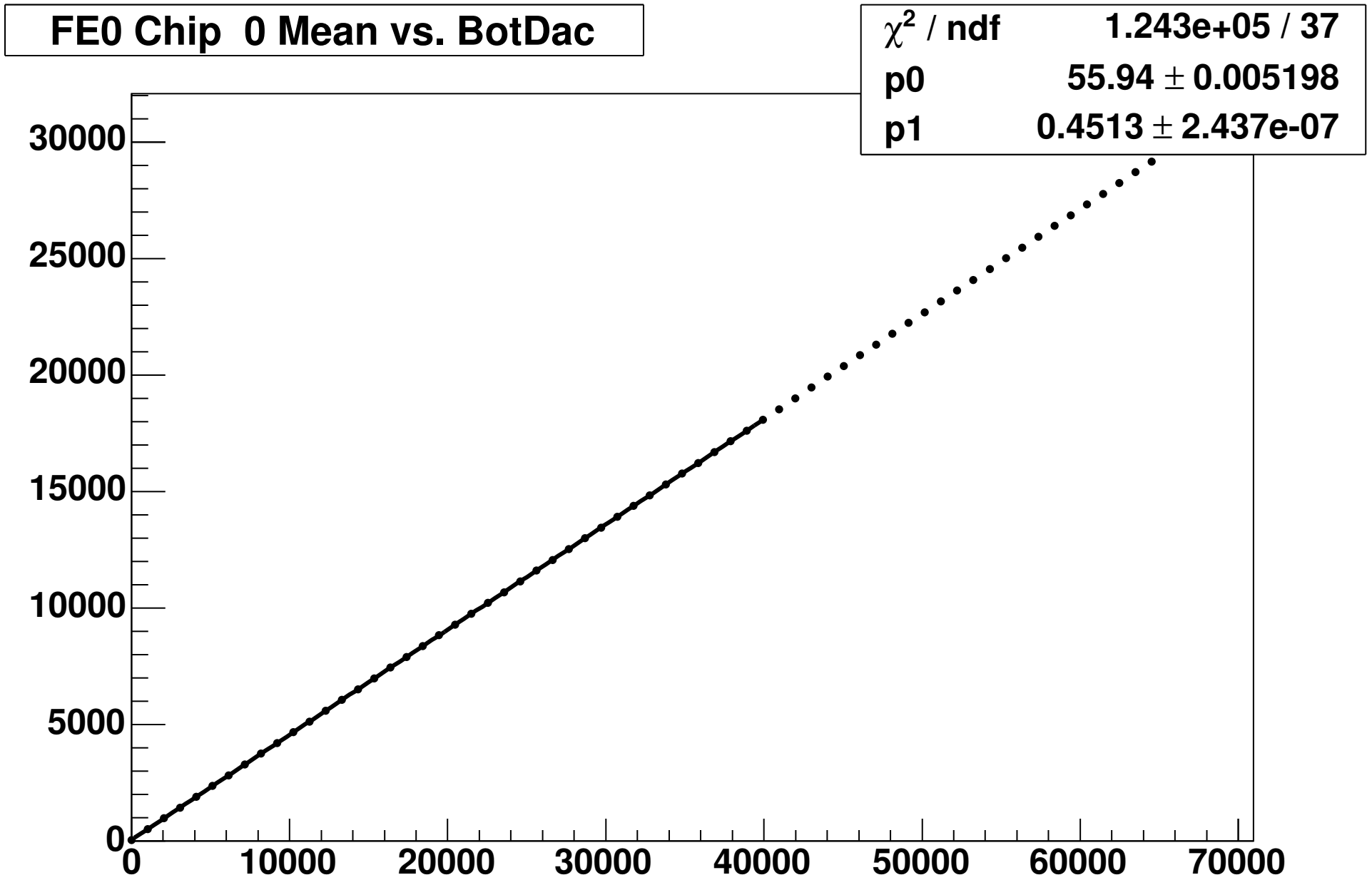
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.243e+05 / 37
p0 55.94 ± 0.005198
p1 0.4513 ± 2.437e-07
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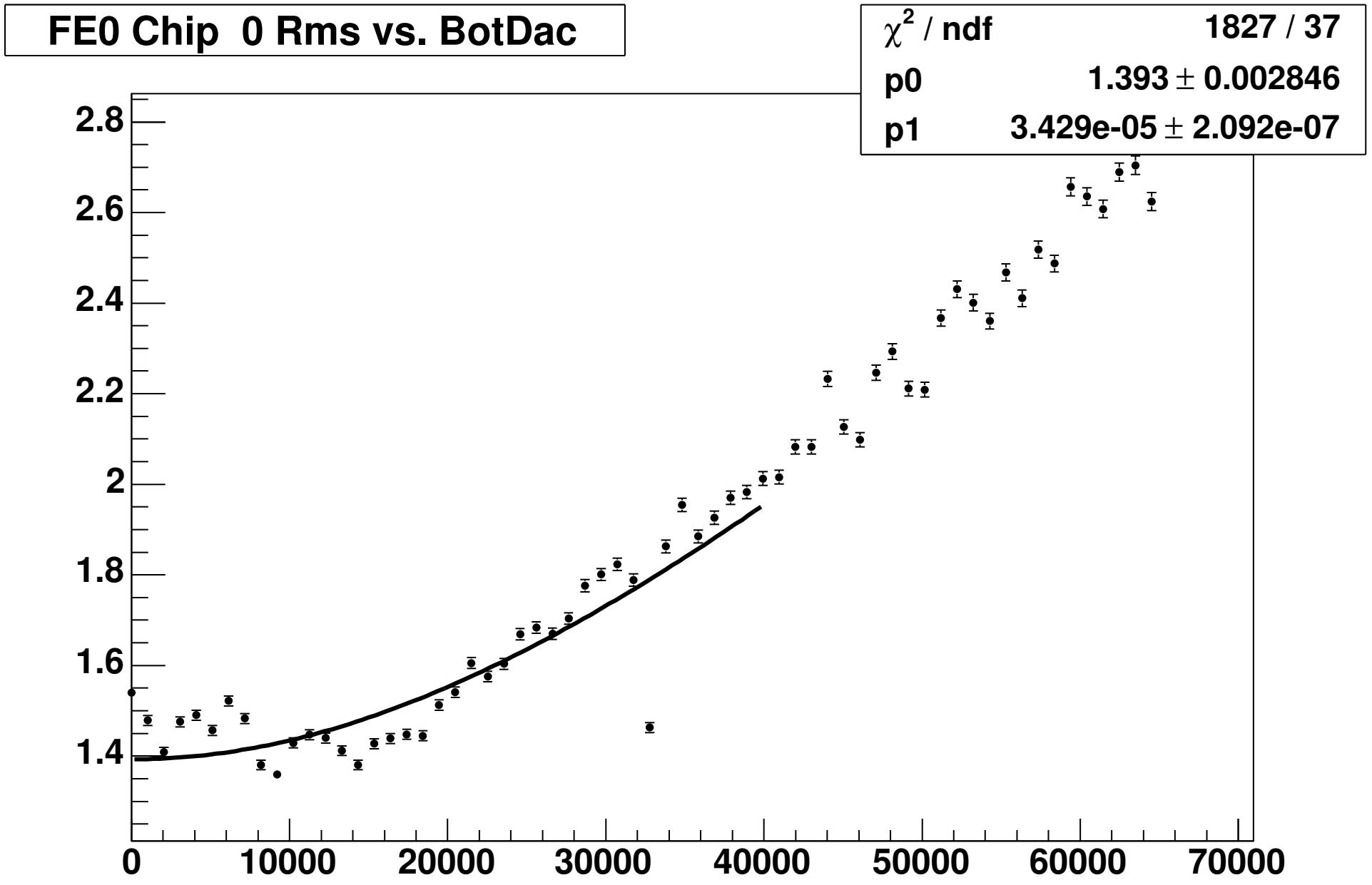
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1827 / 37
p0 1.393 ± 0.002846
p1 3.429e-05 ± 2.092e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
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60000
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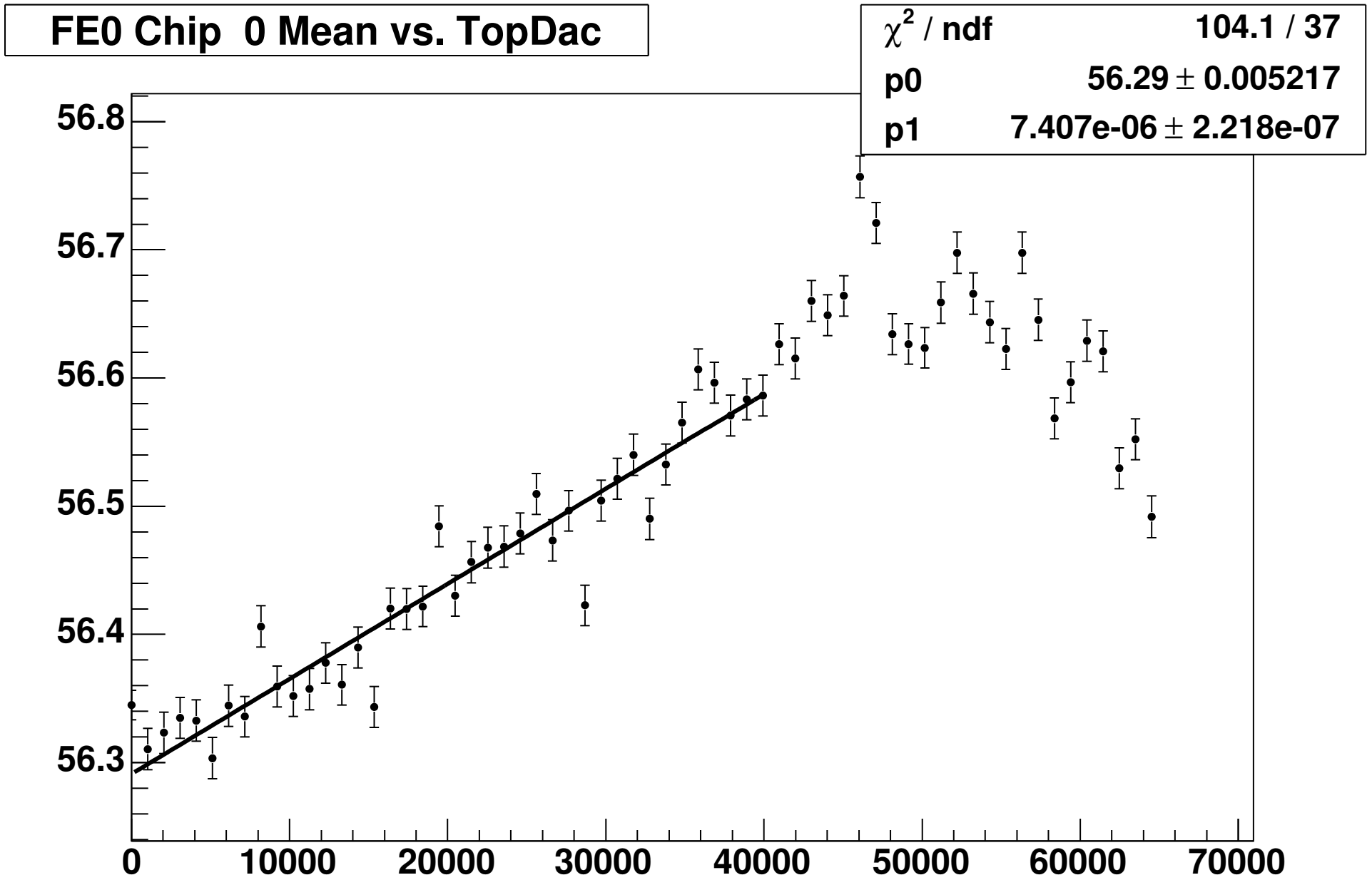
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 104.1 / 37
p0 56.29 ± 0.005217
p1 7.407e-06 ± 2.218e-07
56.8
56.7
56.6
56.5
56.4
56.3
0
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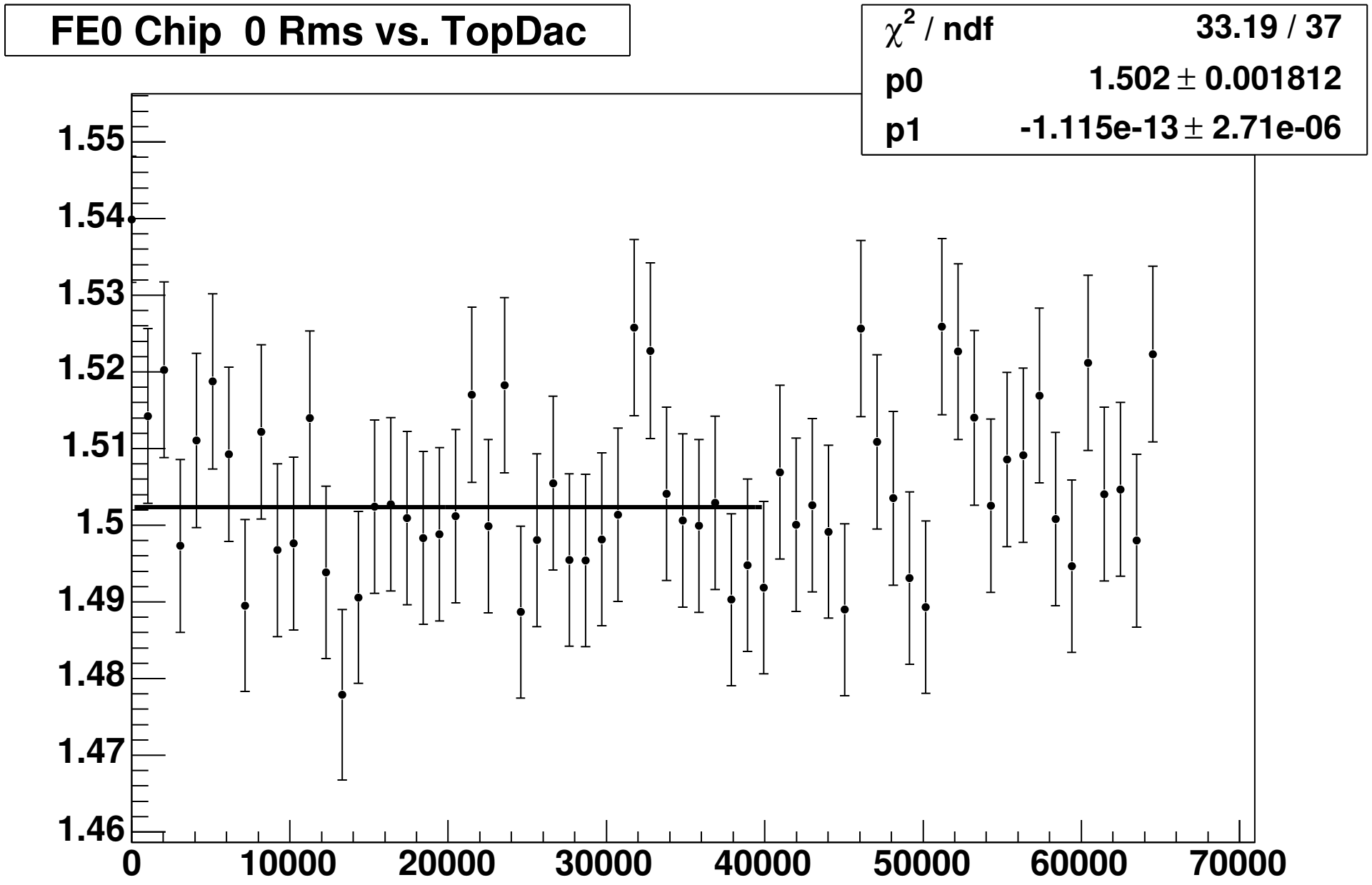
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 33.19 / 37
p0 1.502 ± 0.001812
p1 -1.115e-13 ± 2.71e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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60000
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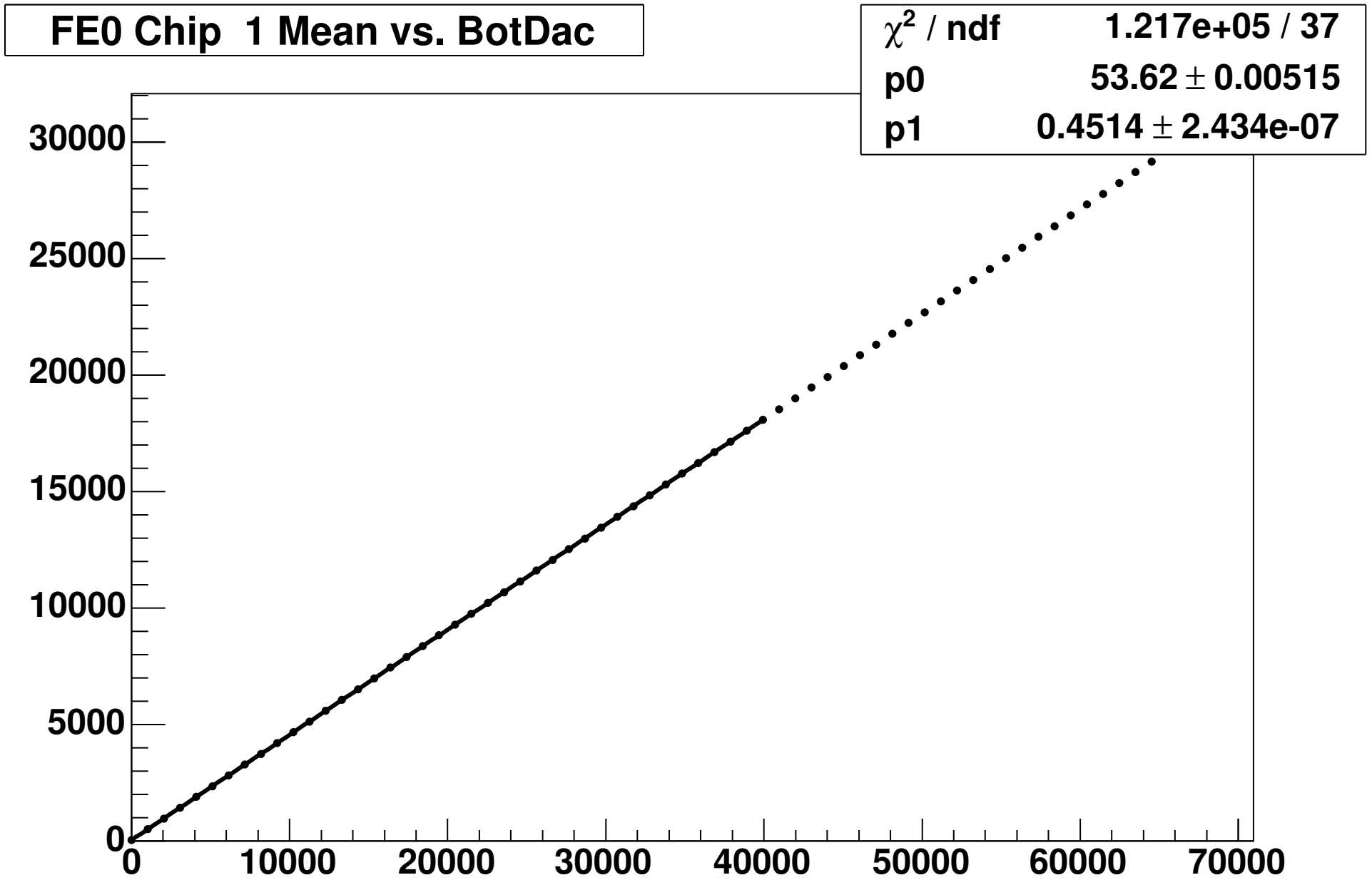
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.217e+05 / 37
p0 53.62 ± 0.00515
p1 0.4514 ± 2.434e-07
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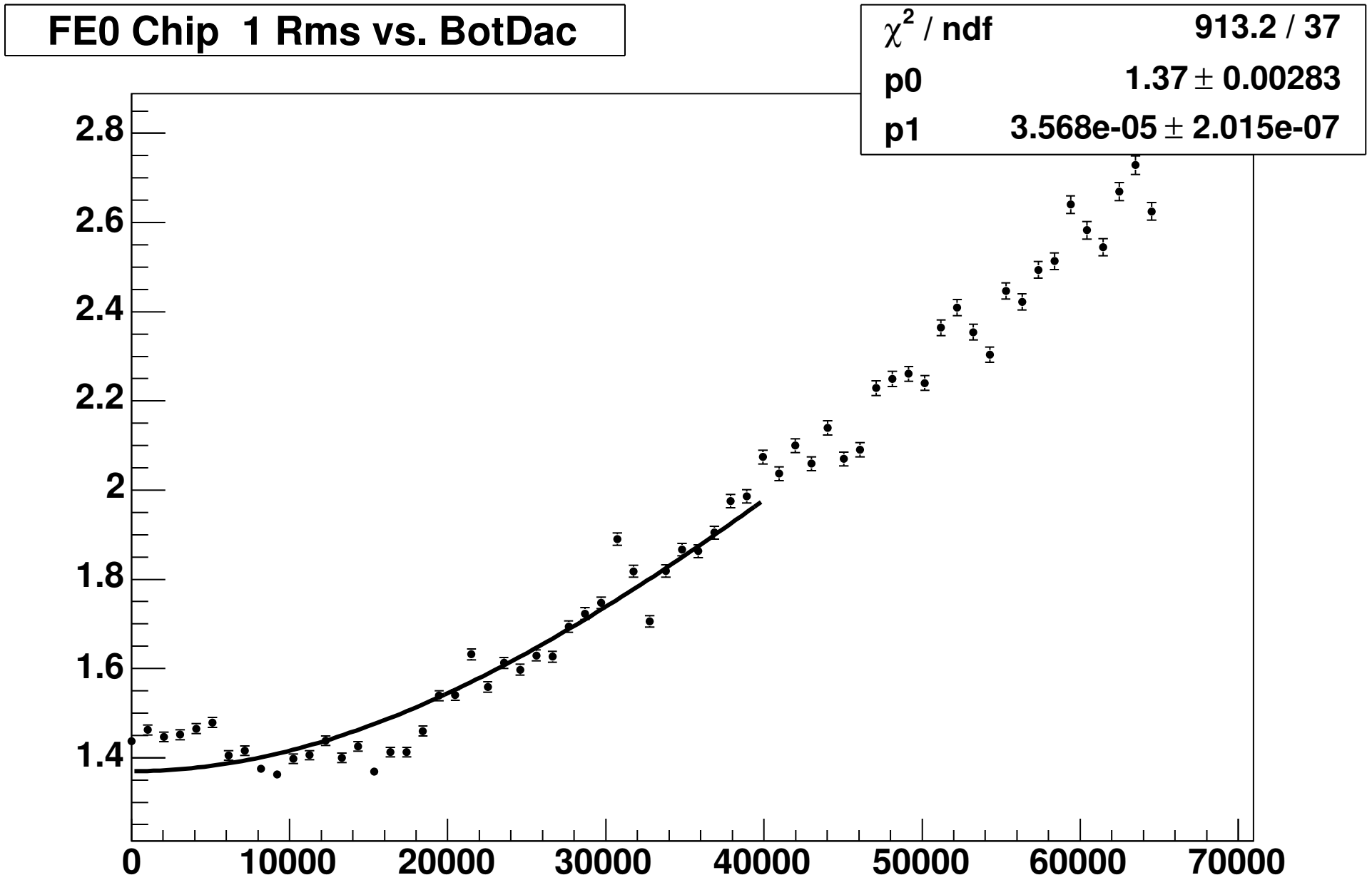
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 913.2 / 37
p0 1.37 ± 0.00283
p1 3.568e-05 ± 2.015e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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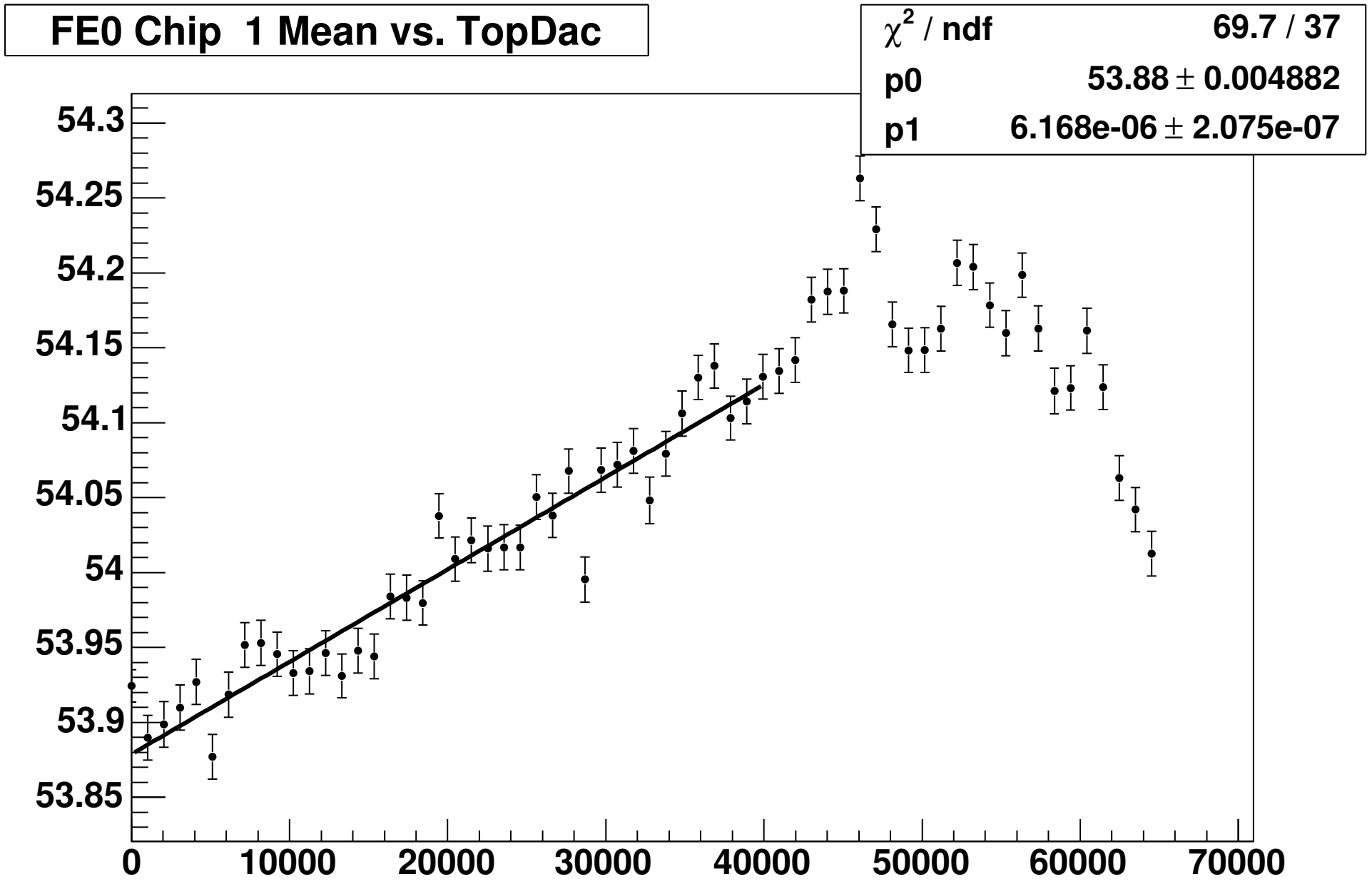
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 69.7 / 37
p0 53.88 ± 0.004882
p1 6.168e-06 ± 2.075e-07
54.3
54.25
54.2
54.15
54.1
54.05
54
53.95
53.9
53.85
0
10000
20000
30000
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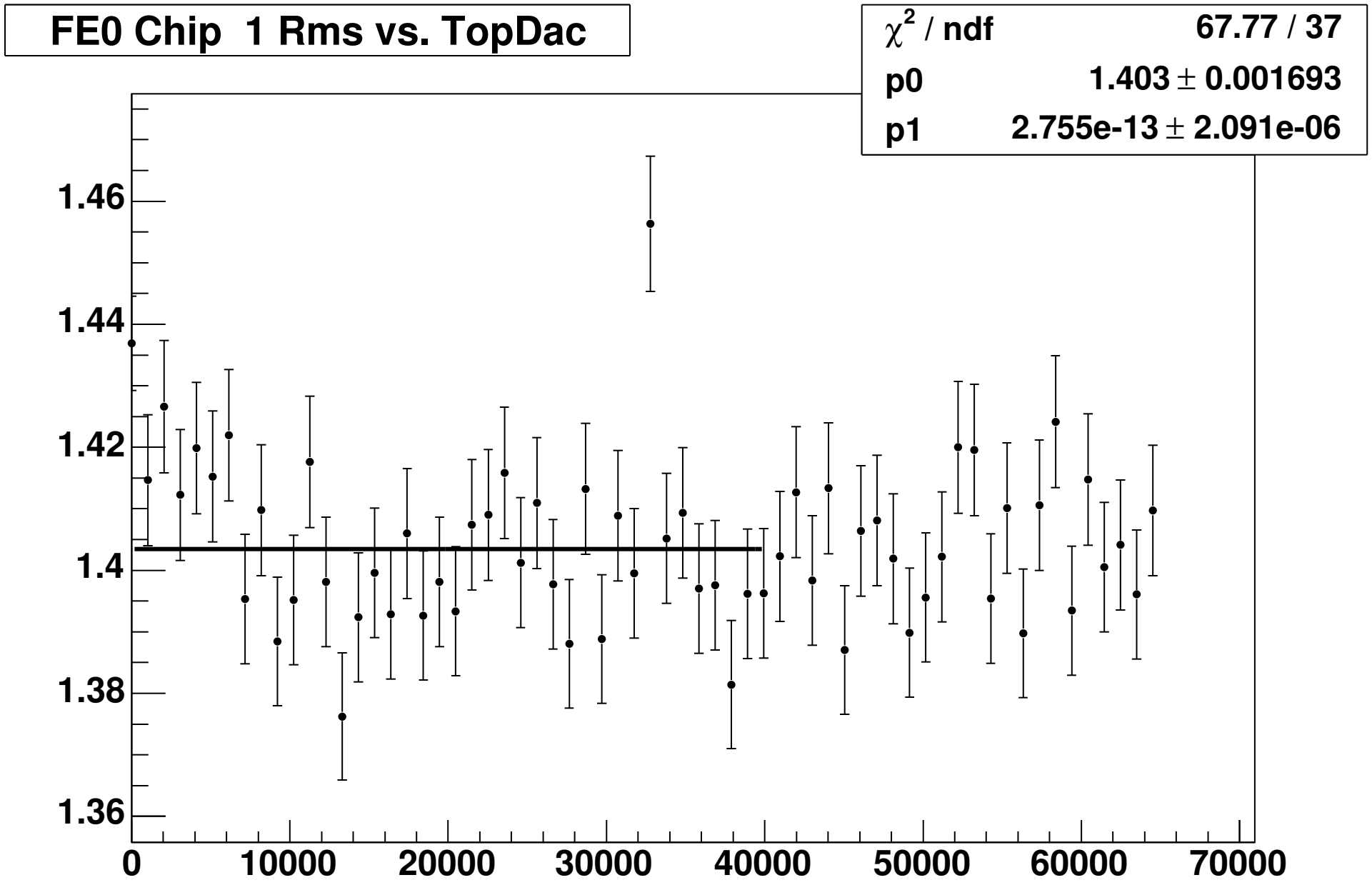
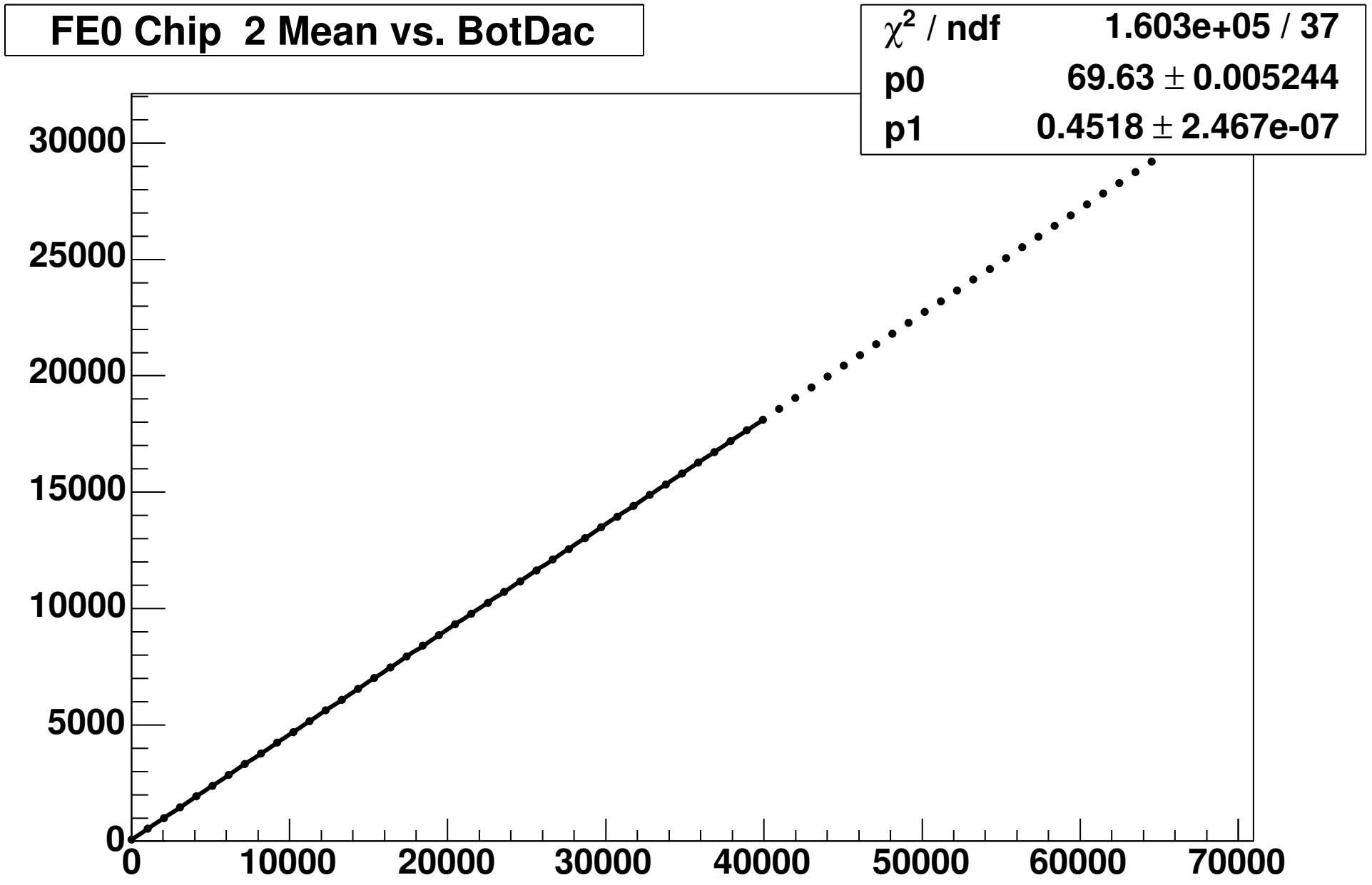
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 67.77 / 37
p0 1.403 ± 0.001693
p1 2.755e-13 ± 2.091e-06
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.603e+05 / 37
p0 69.63 ± 0.005244
p1 0.4518 ± 2.467e-07
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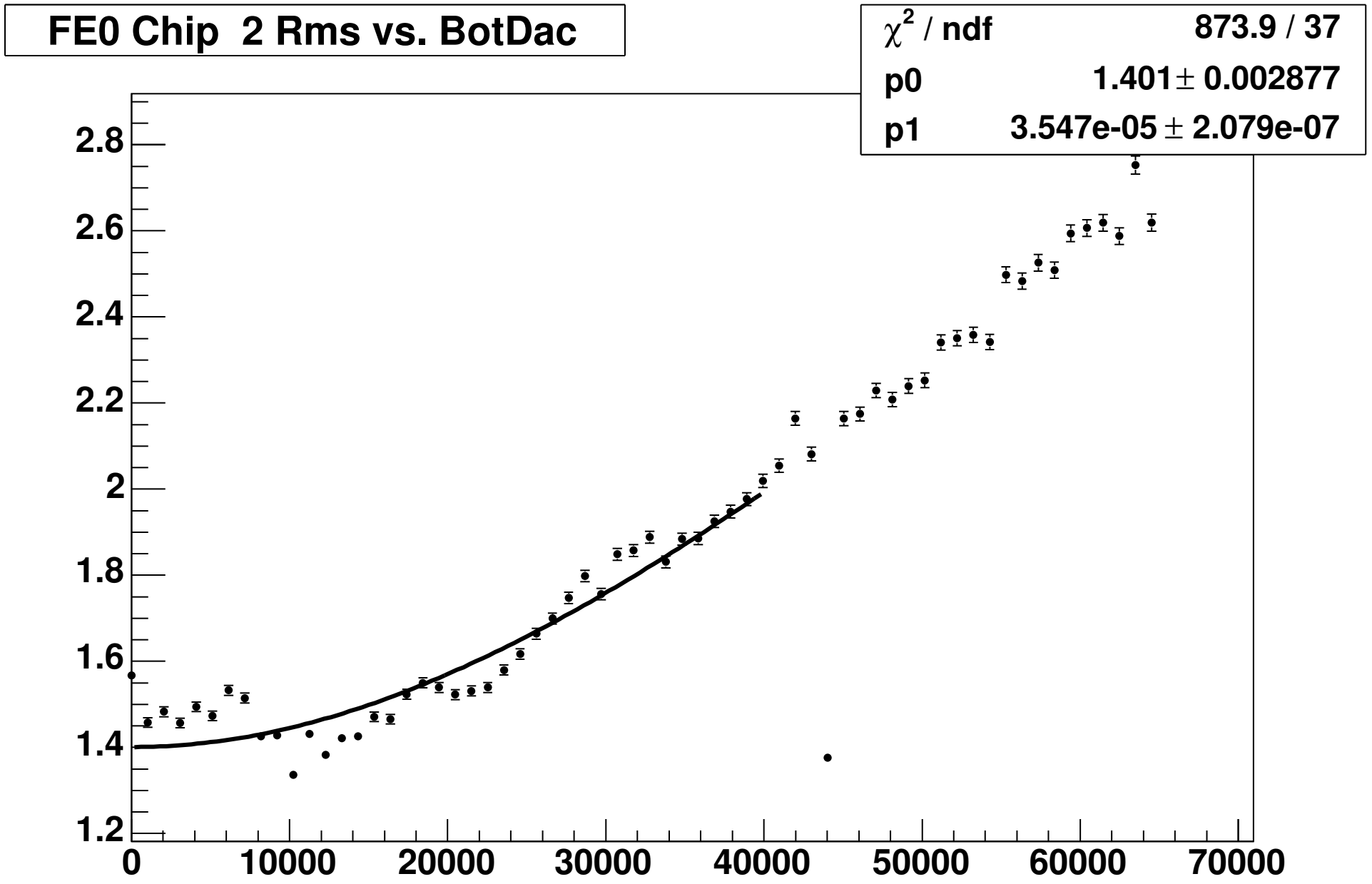
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 873.9 / 37
p0 1.401 ± 0.002877
p1 3.547e-05 ± 2.079e-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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50000
60000
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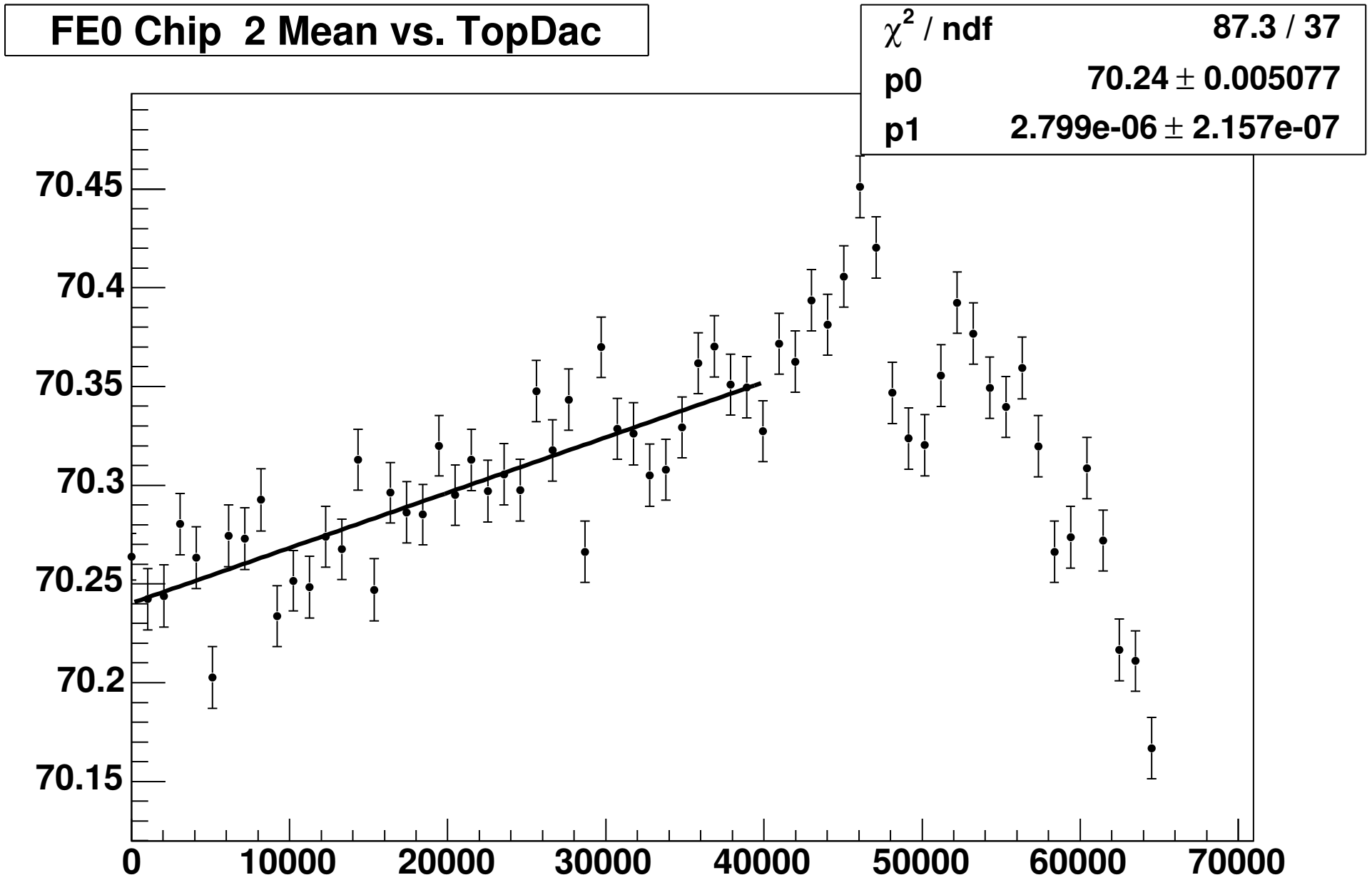
FE0 Chip 2 Mean vs. TopDac
χ² / ndf 87.3 / 37
p0 70.24 ± 0.005077
p1 2.799e-06 ± 2.157e-07
70.45
70.4
70.35
70.3
70.25
70.2
70.15
0
10000
20000
30000
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50000
60000
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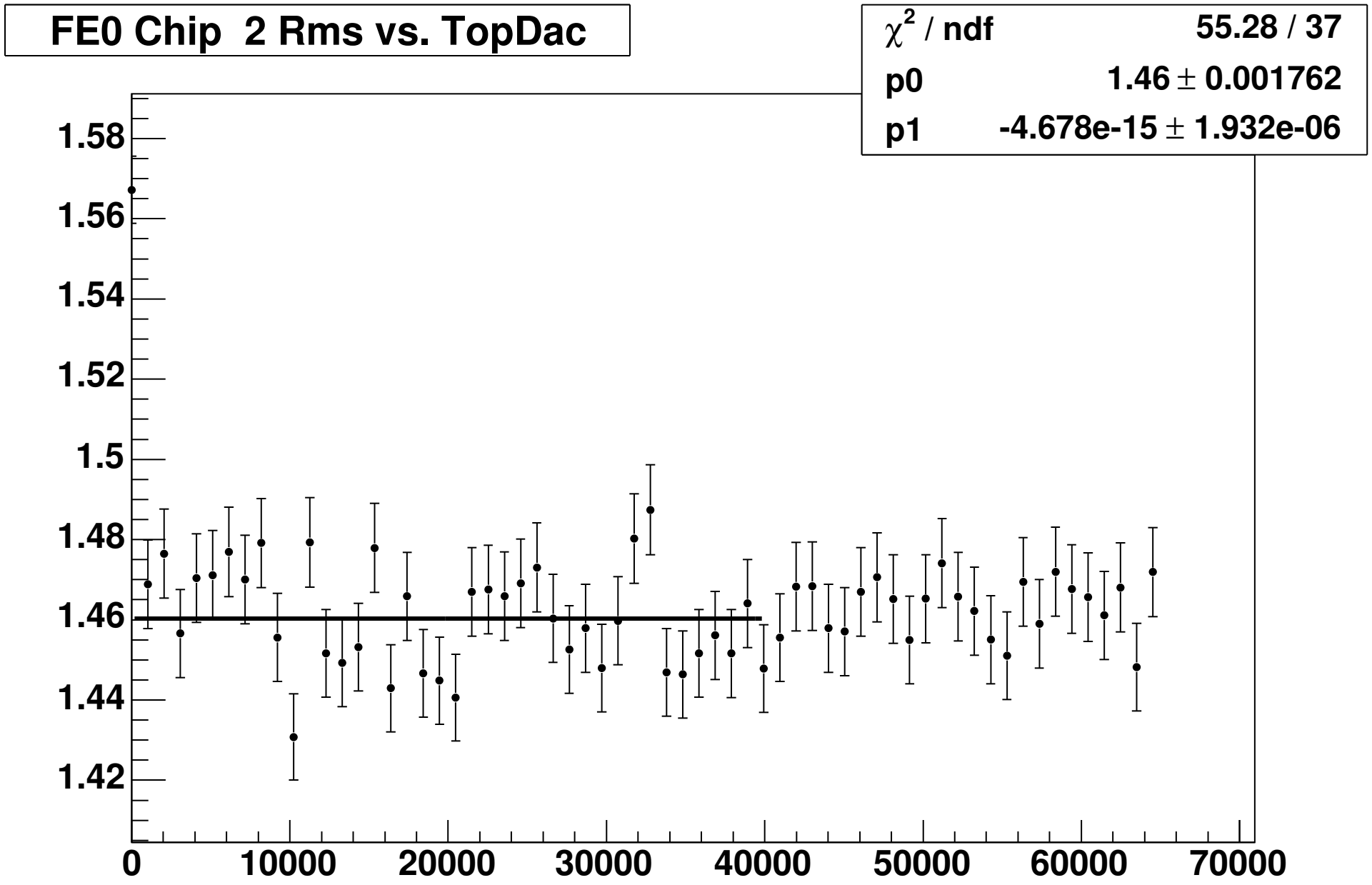
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 55.28 / 37
p0 1.46 ± 0.001762
p1 -4.678e-15 ± 1.932e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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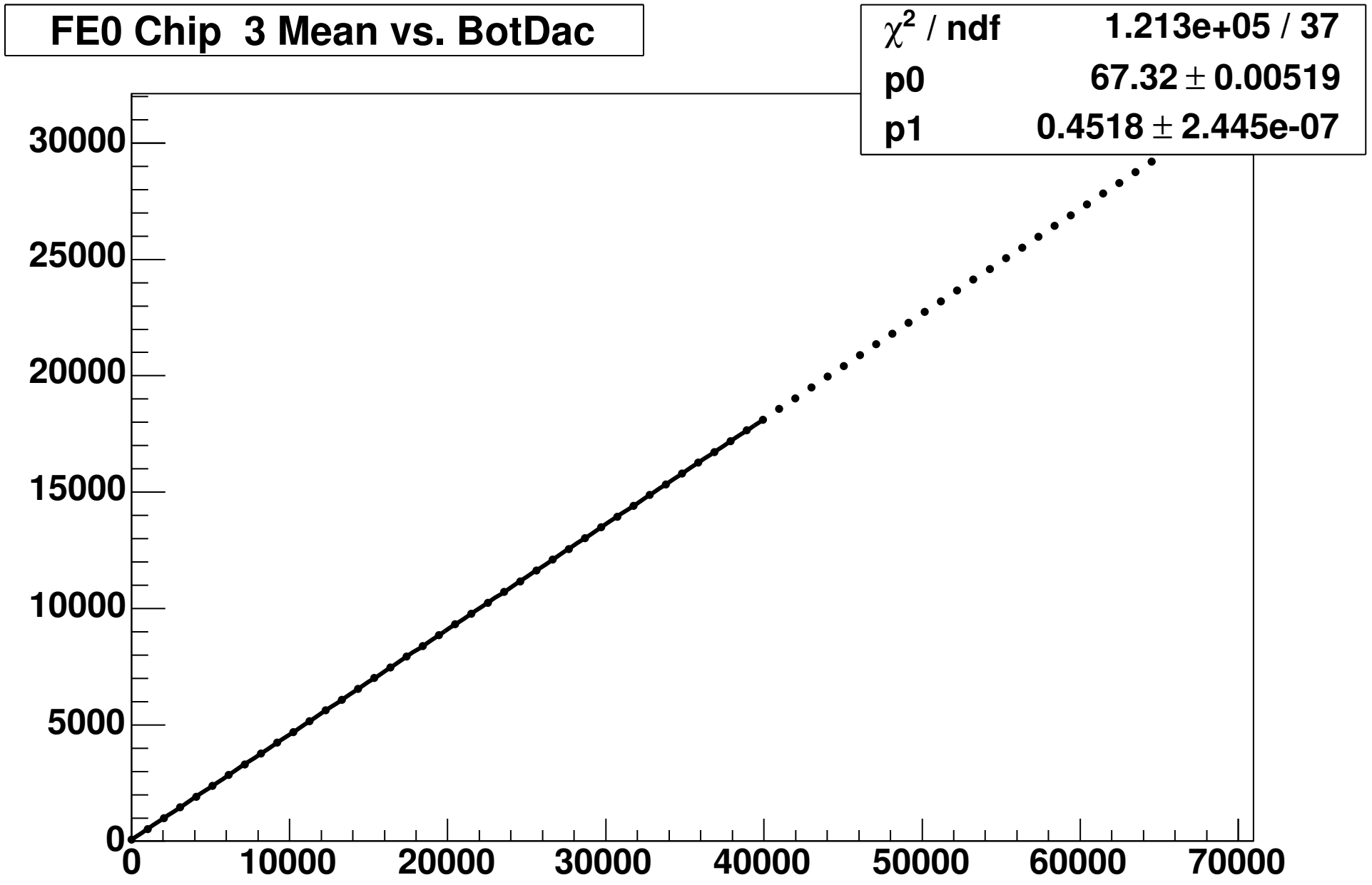
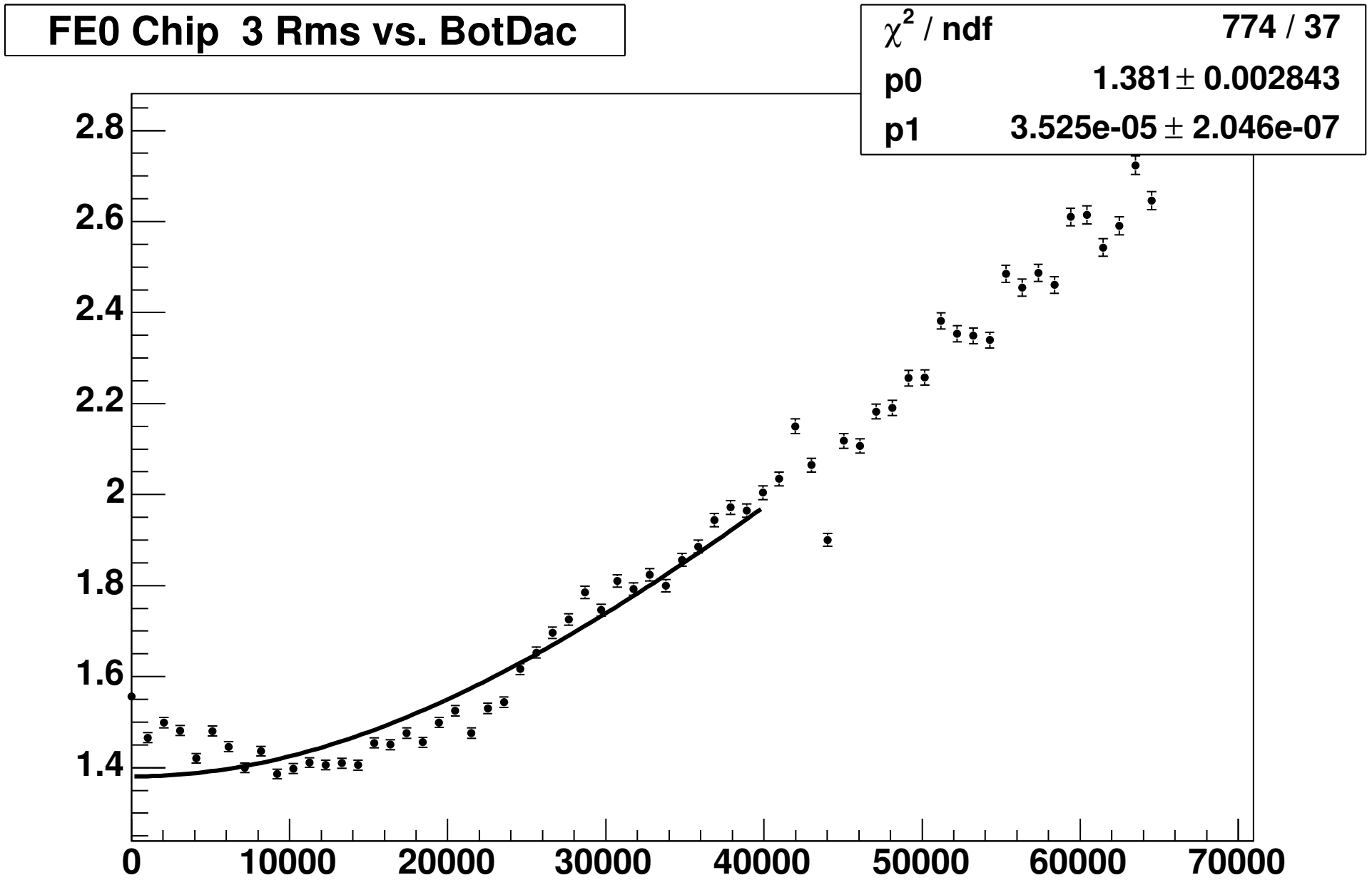
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.213e+05 / 37
p0 67.32 ± 0.00519
p1 0.4518 ± 2.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 774 / 37
p0 1.381 ± 0.002843
p1 3.525e-05 ± 2.046e-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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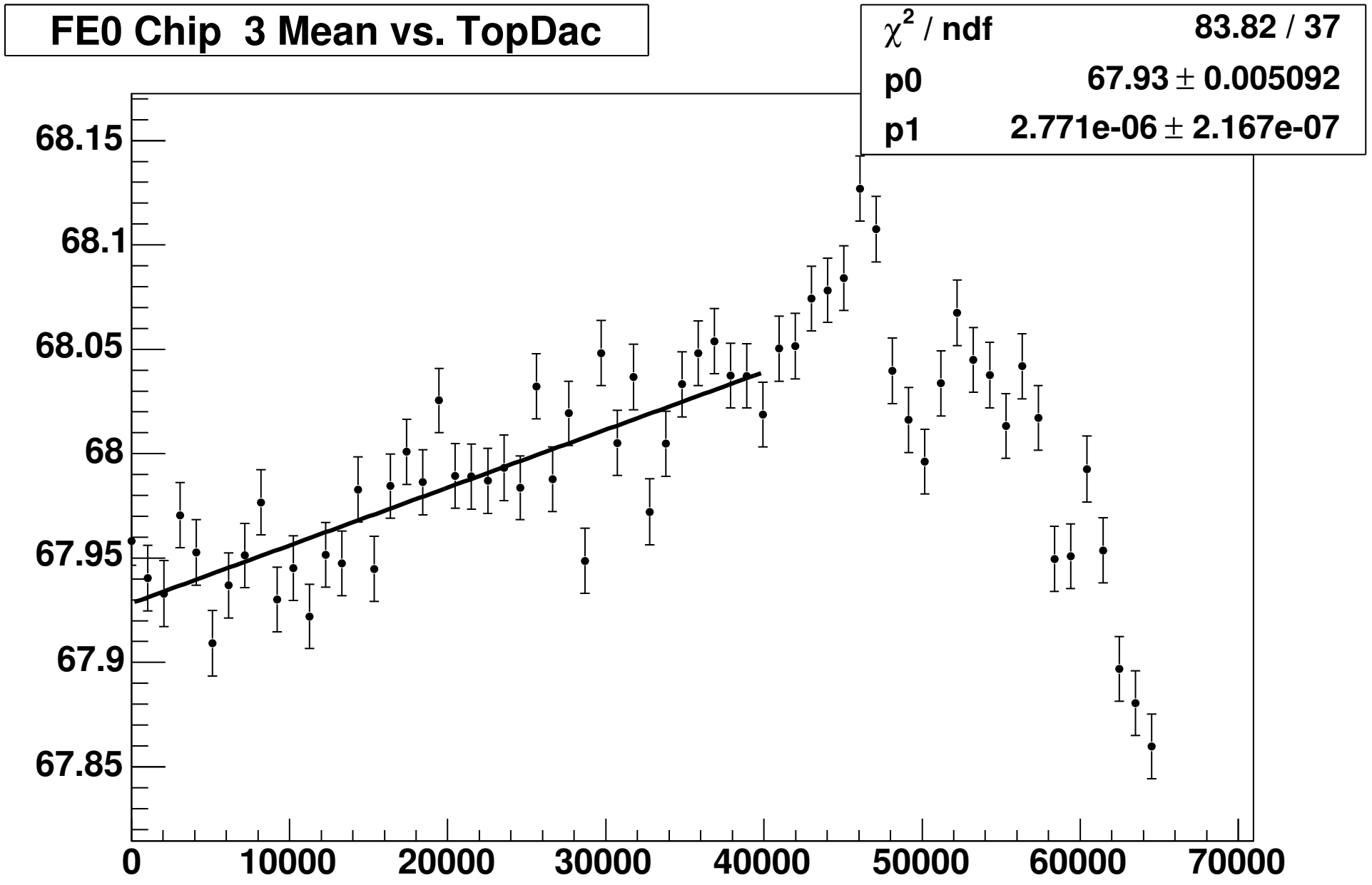
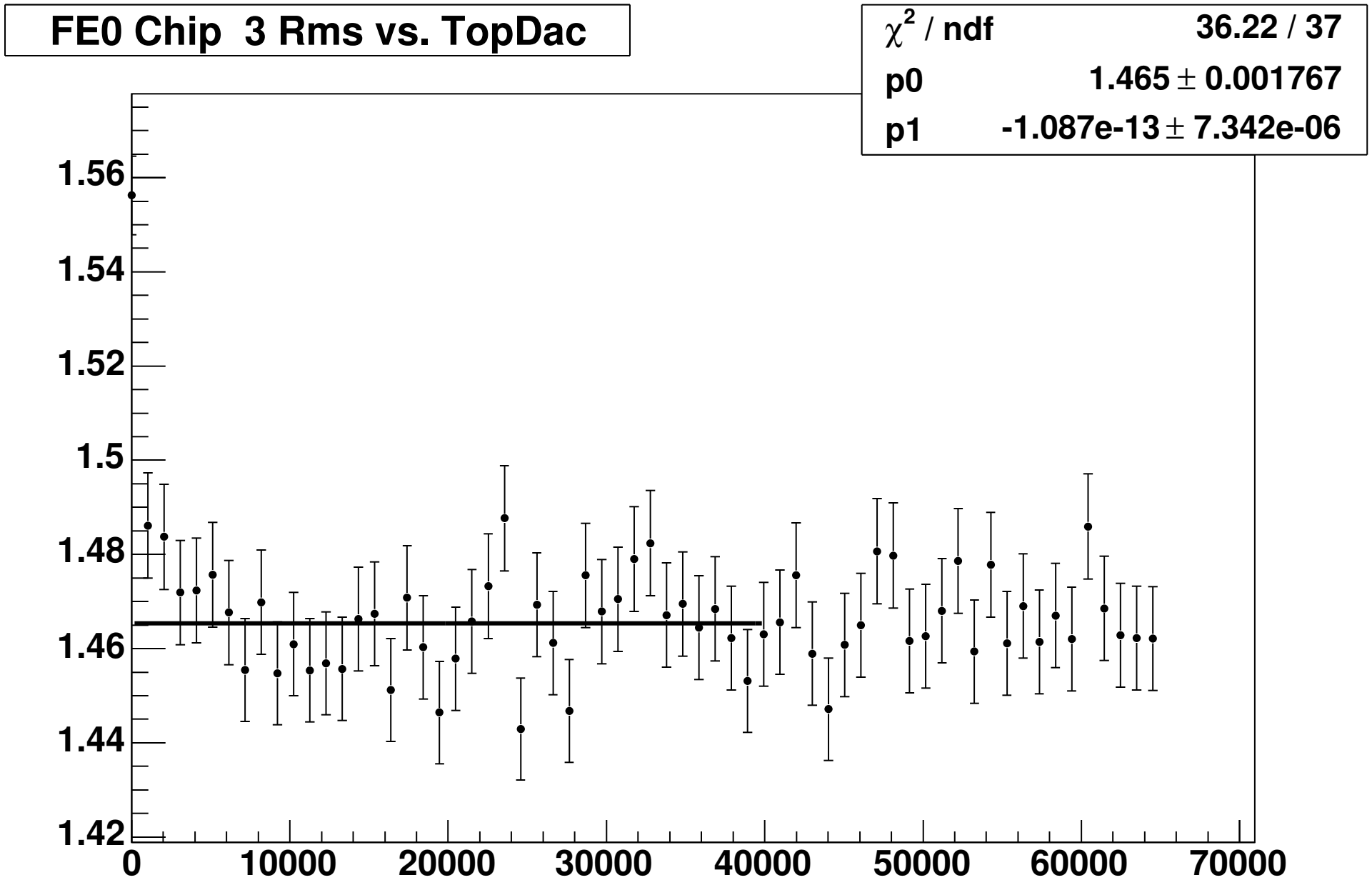
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 83.82 / 37
p0 67.93 ± 0.005092
p1 2.771e-06 ± 2.167e-07
68.15
68.1
68.05
68
67.95
67.9
67.85
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 36.22 / 37
p0 1.465 ± 0.001767
p1 -1.087e-13 ± 7.342e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
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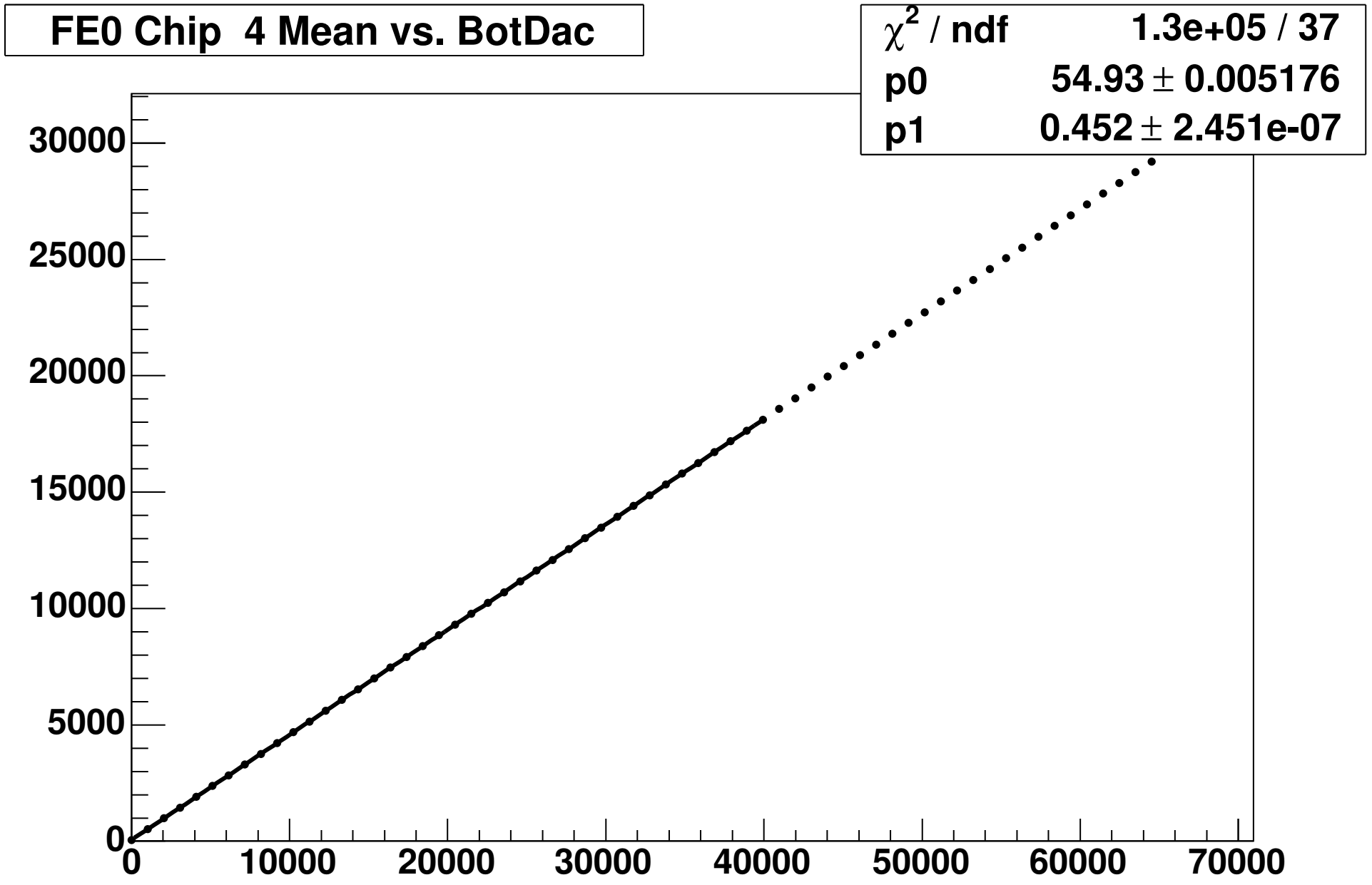
FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.3e+05 / 37
p0 54.93 ± 0.005176
p1 0.452 ± 2.451e-07
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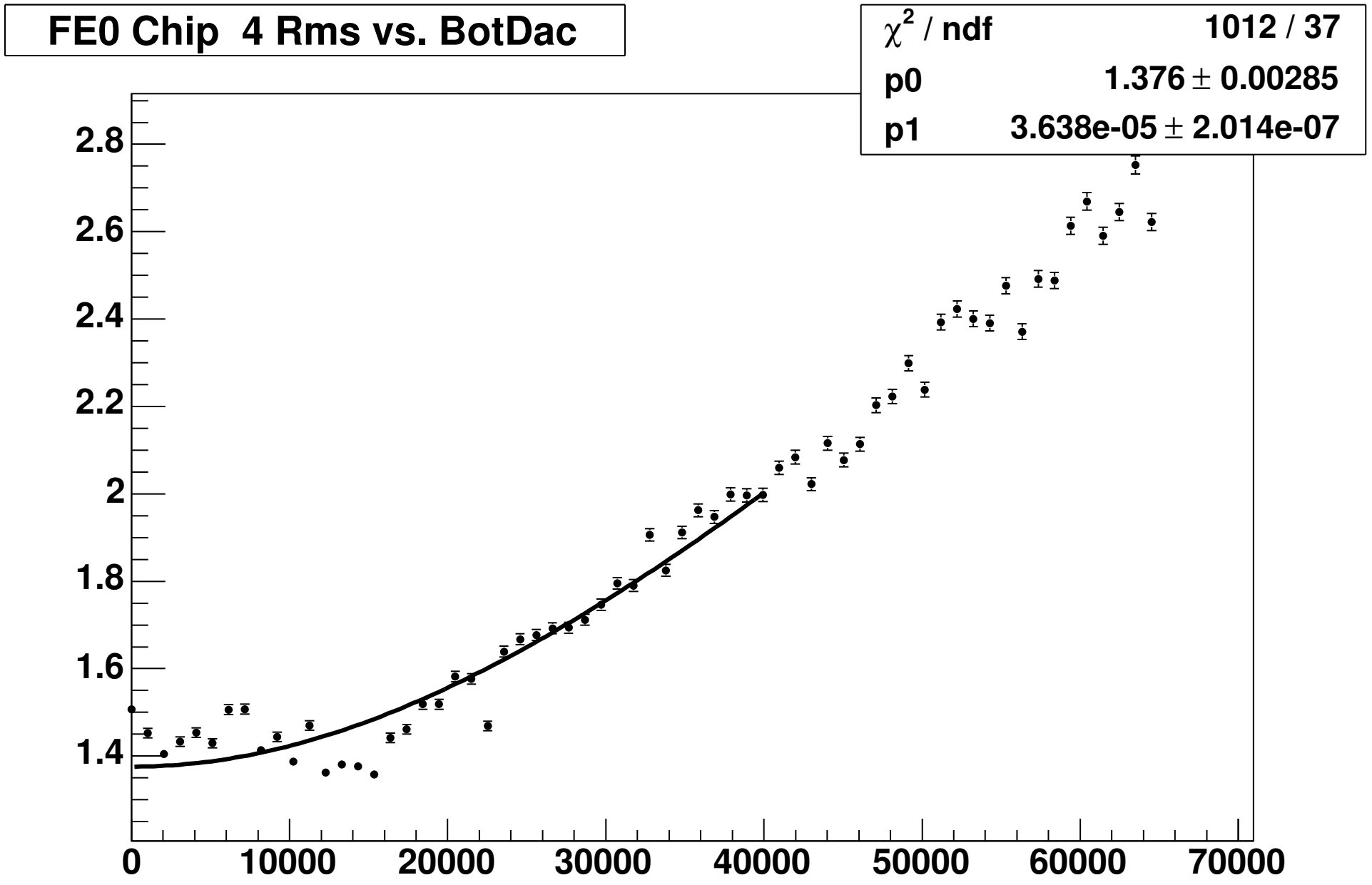
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1012 / 37
p0 1.376 ± 0.00285
p1 3.638e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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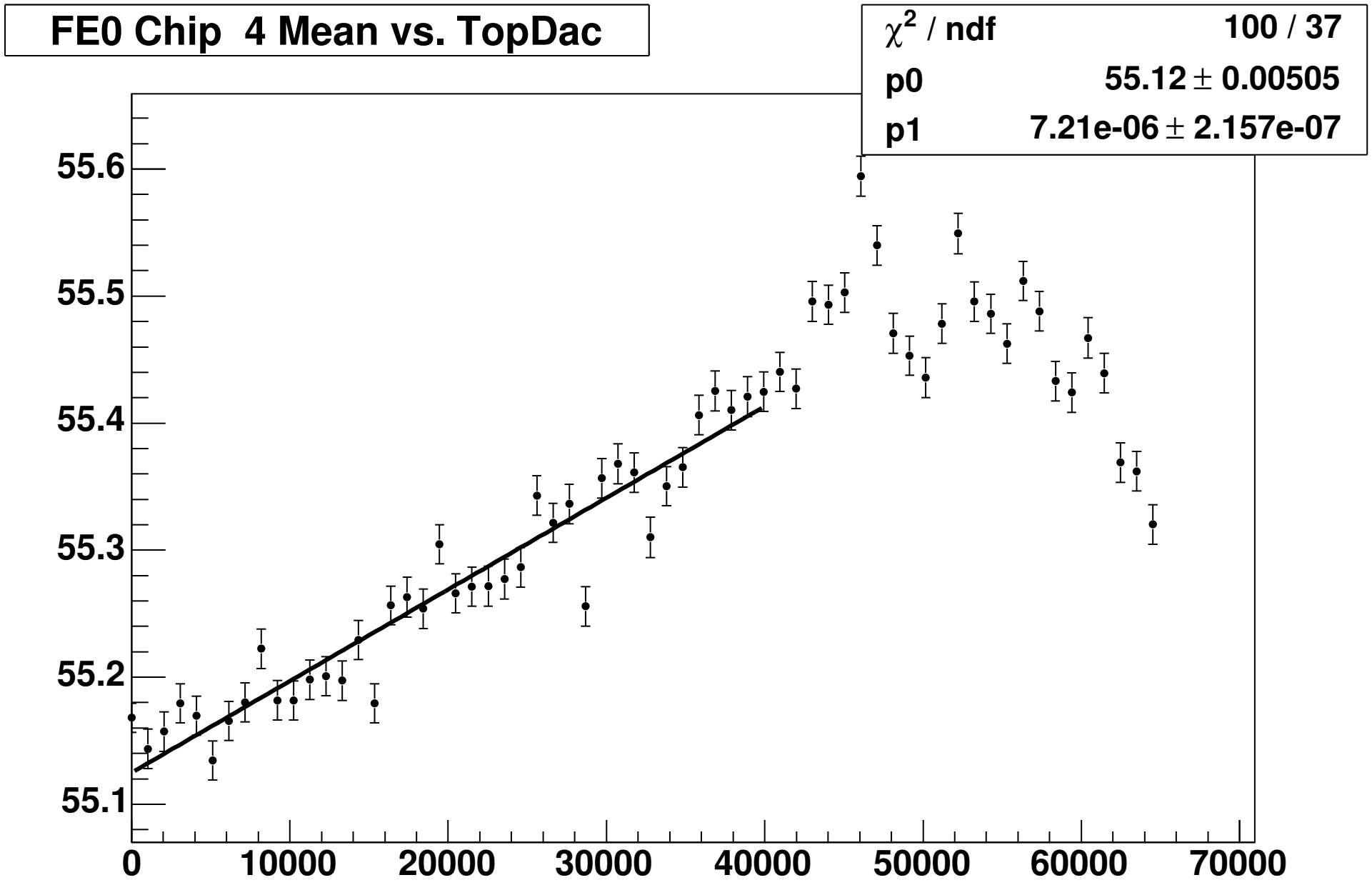
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 100 / 37
p0 55.12 ± 0.00505
p1 7.21e-06 ± 2.157e-07
55.6
55.5
55.4
55.3
55.2
55.1
0
10000
20000
30000
40000
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60000
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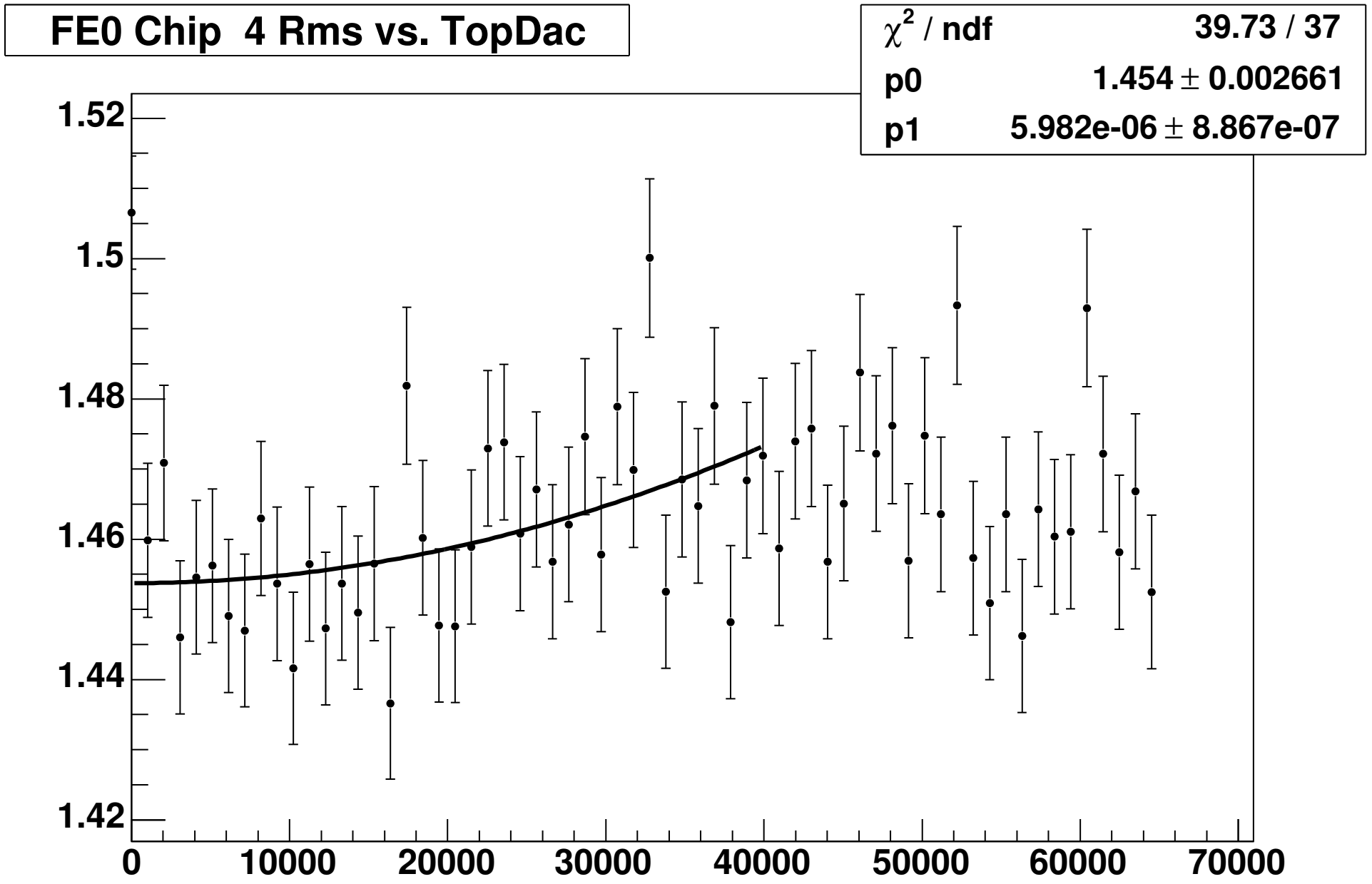
FE0 Chip 4 Rms vs. TopDac
χ² / ndf 39.73 / 37
p0 1.454 ± 0.002661
p1 5.982e-06 ± 8.867e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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50000
60000
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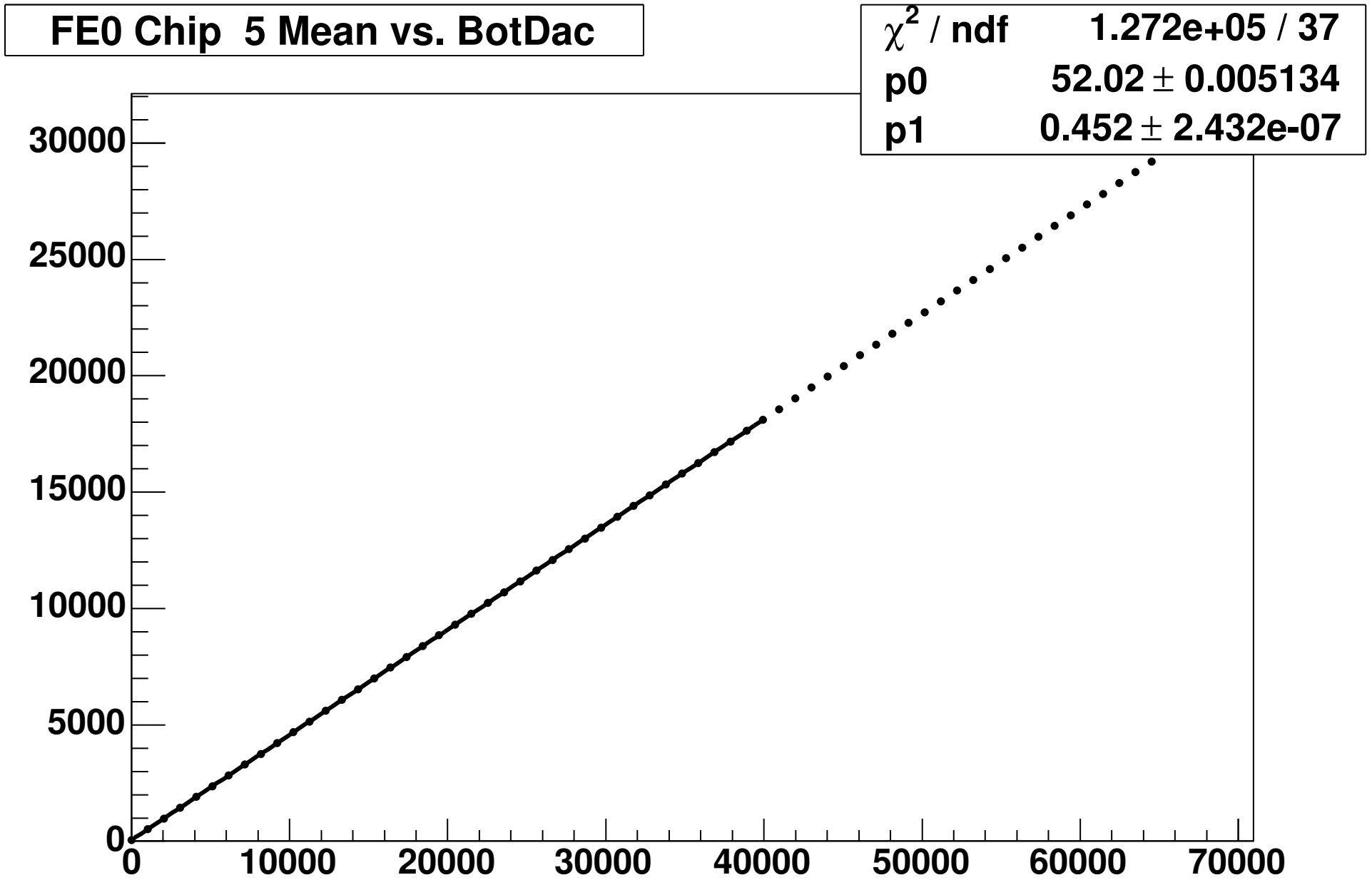
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.272e+05 / 37
p0 52.02 ± 0.005134
p1 0.452 ± 2.432e-07
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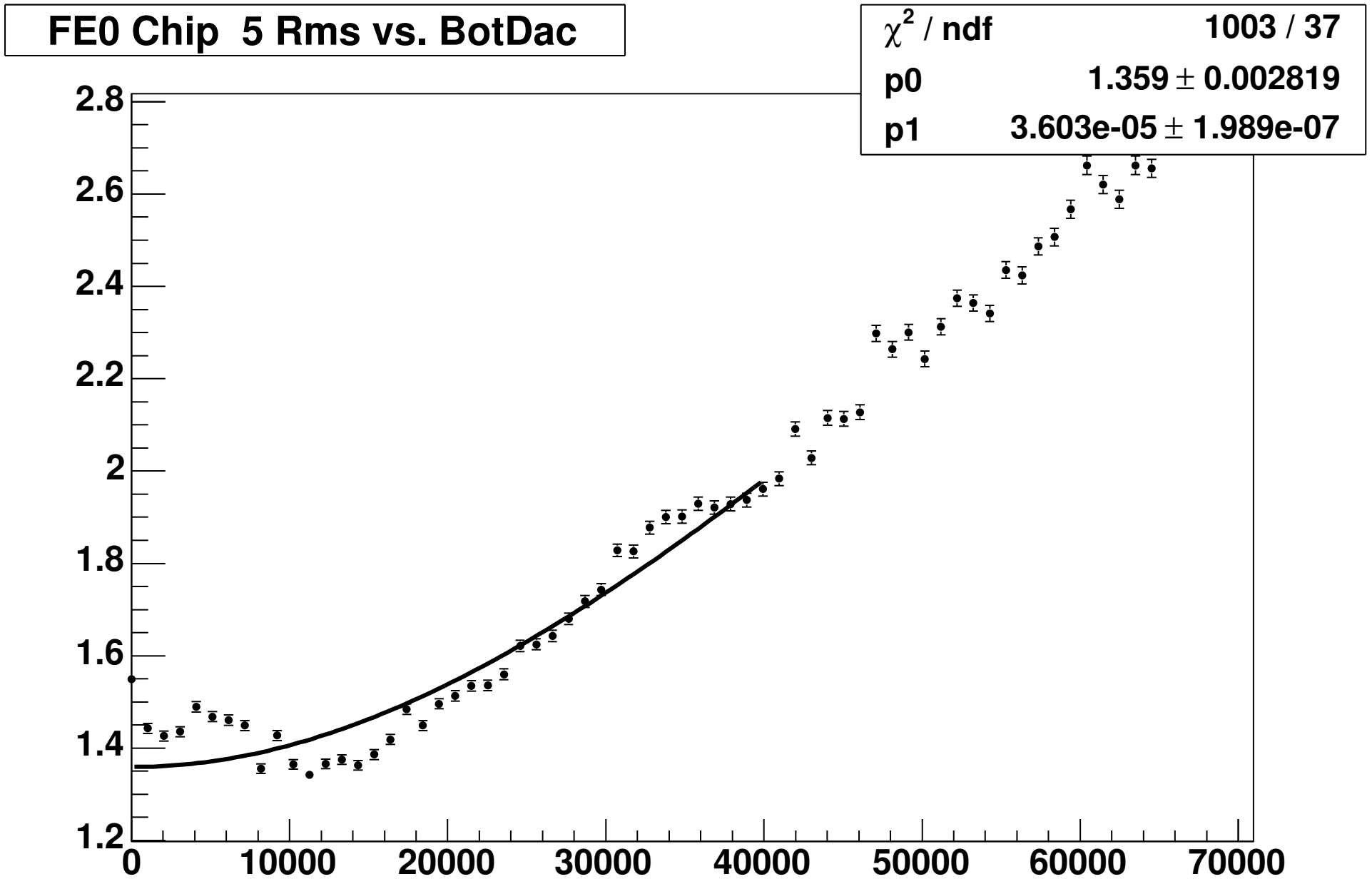
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 1003 / 37
p0 1.359 ± 0.002819
p1 3.603e-05 ± 1.989e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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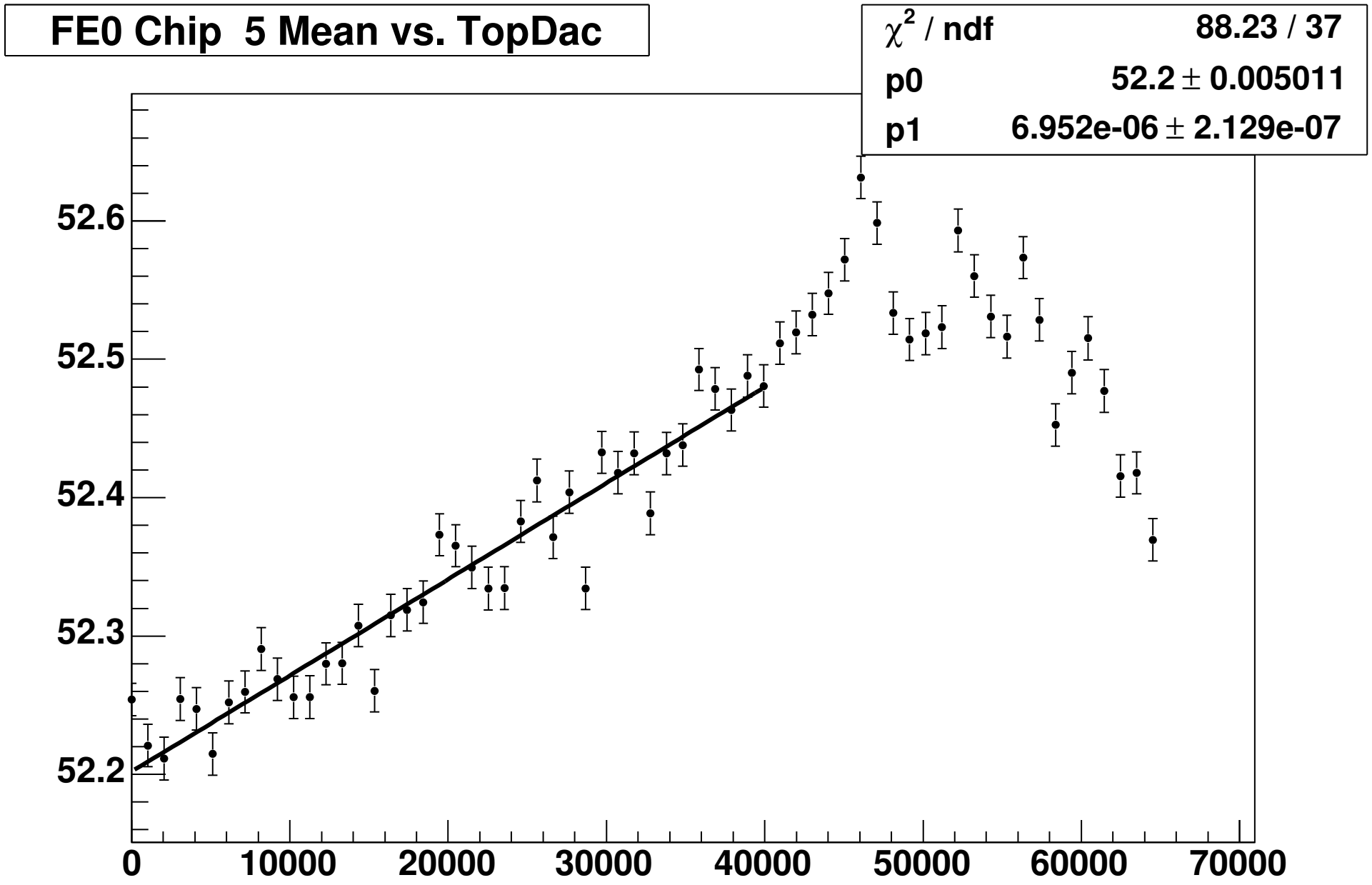
FE0 Chip 5 Mean vs. TopDac
χ² / ndf 88.23 / 37
p0 52.2 ± 0.005011
p1 6.952e-06 ± 2.129e-07
52.6
52.5
52.4
52.3
52.2
0
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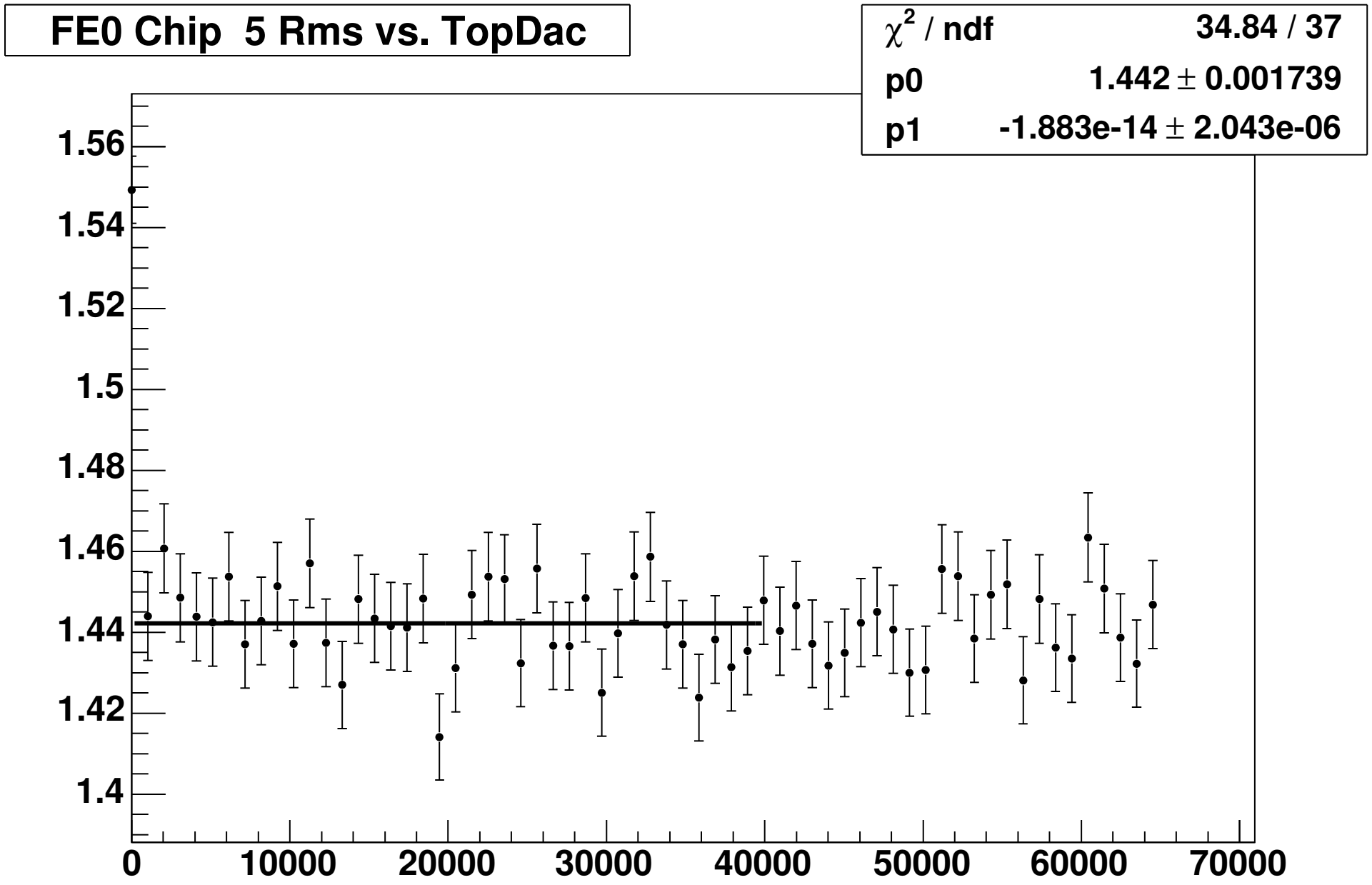
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 34.84 / 37
p0 1.442 ± 0.001739
p1 -1.883e-14 ± 2.043e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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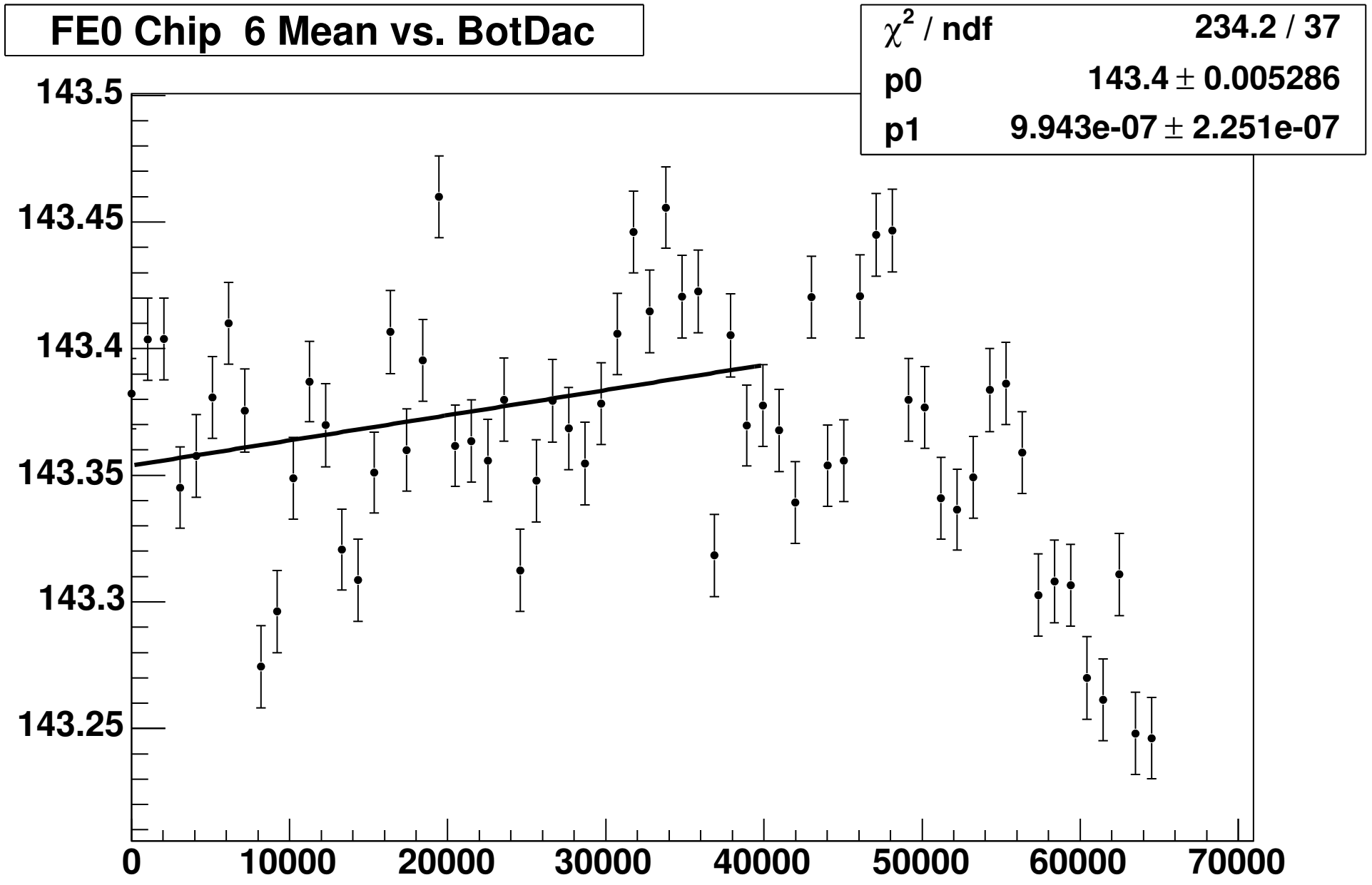
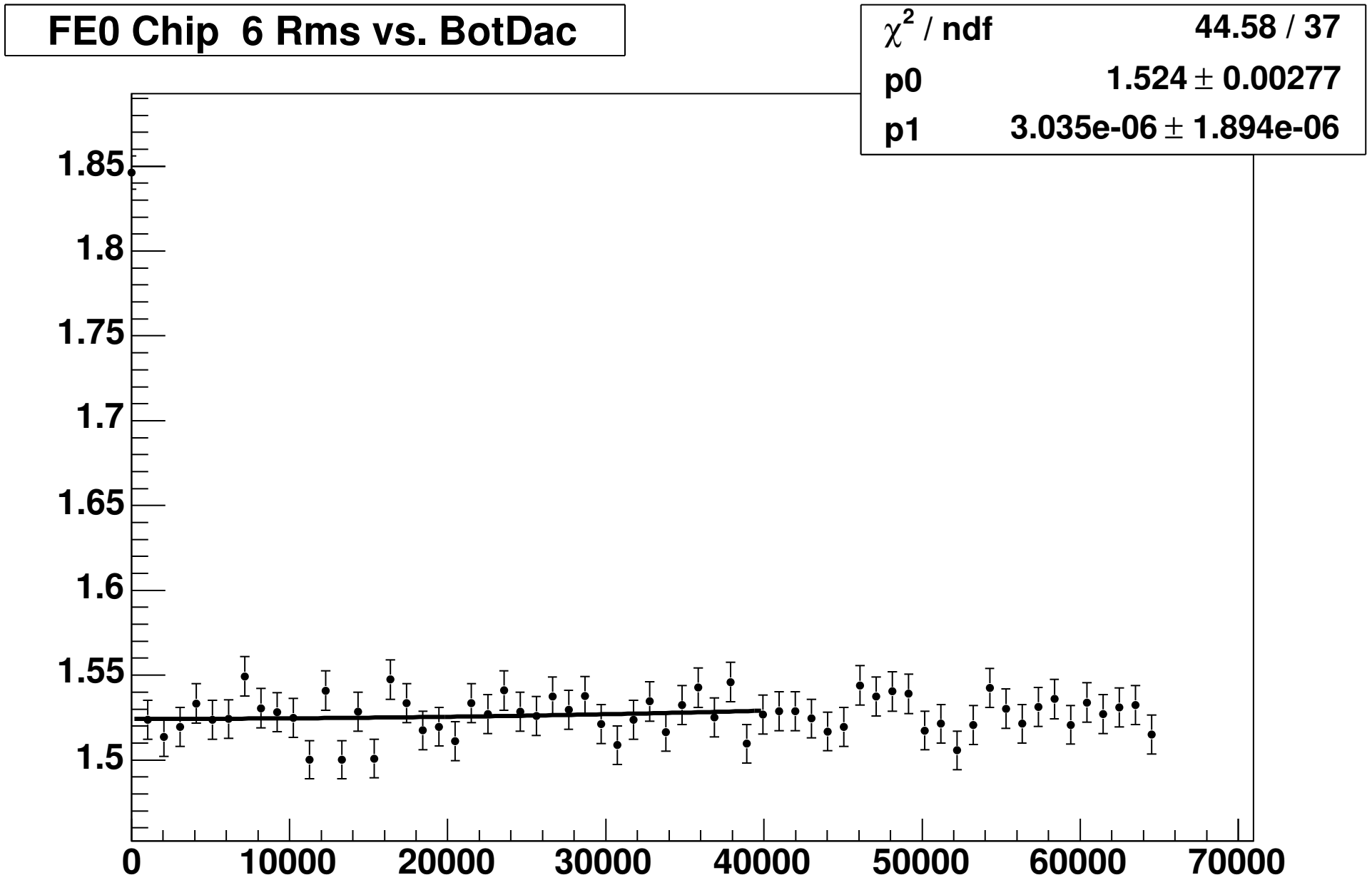

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 234.2 / 37
p0 143.4 ± 0.005286
p1 9.943e-07 ± 2.251e-07
143.5
143.45
143.4
143.35
143.3
143.25
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 44.58 / 37
p0 1.524 ± 0.00277
p1 3.035e-06 ± 1.894e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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50000
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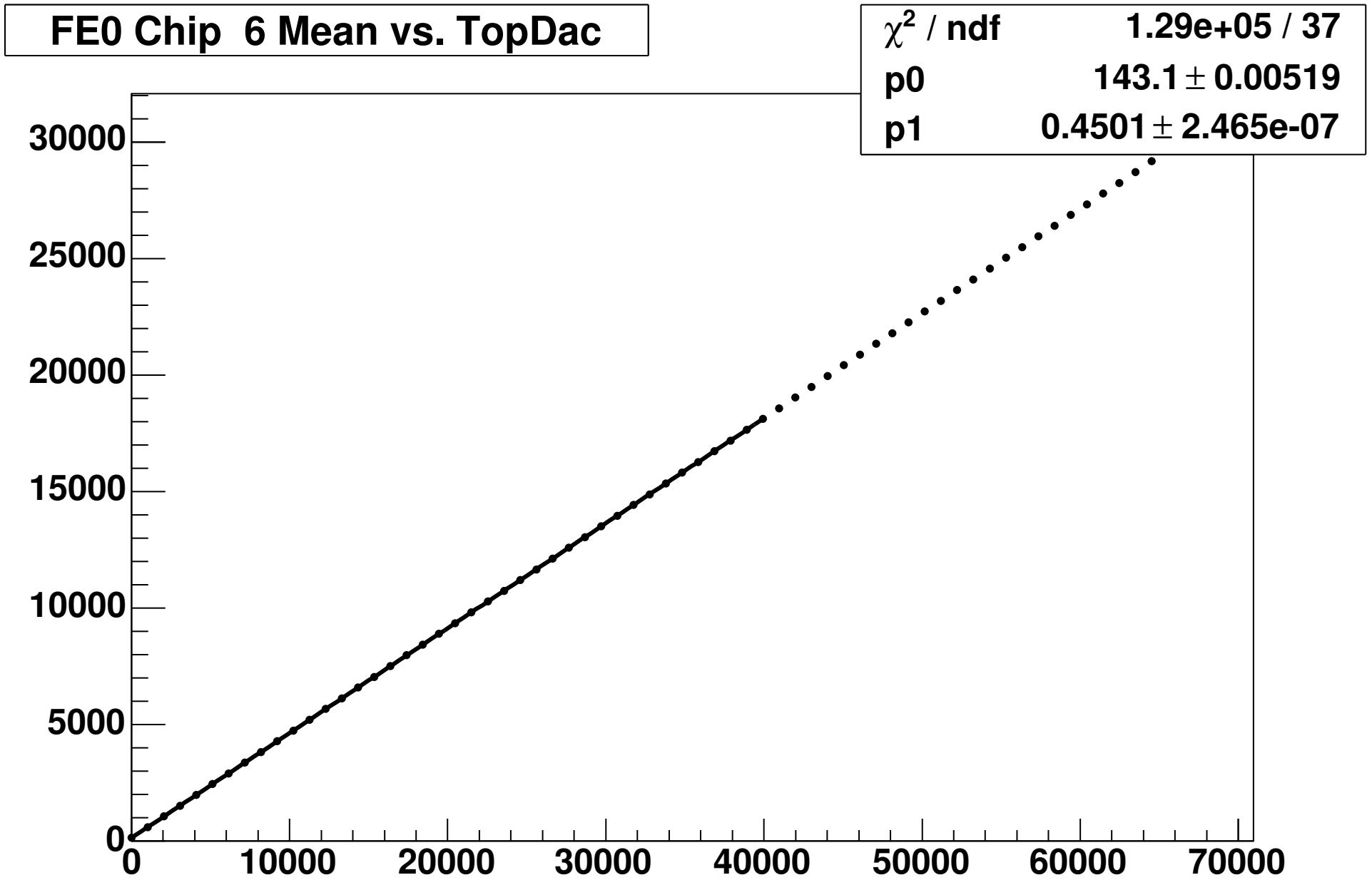
FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.29e+05 / 37
p0 143.1 ± 0.00519
p1 0.4501 ± 2.465e-07
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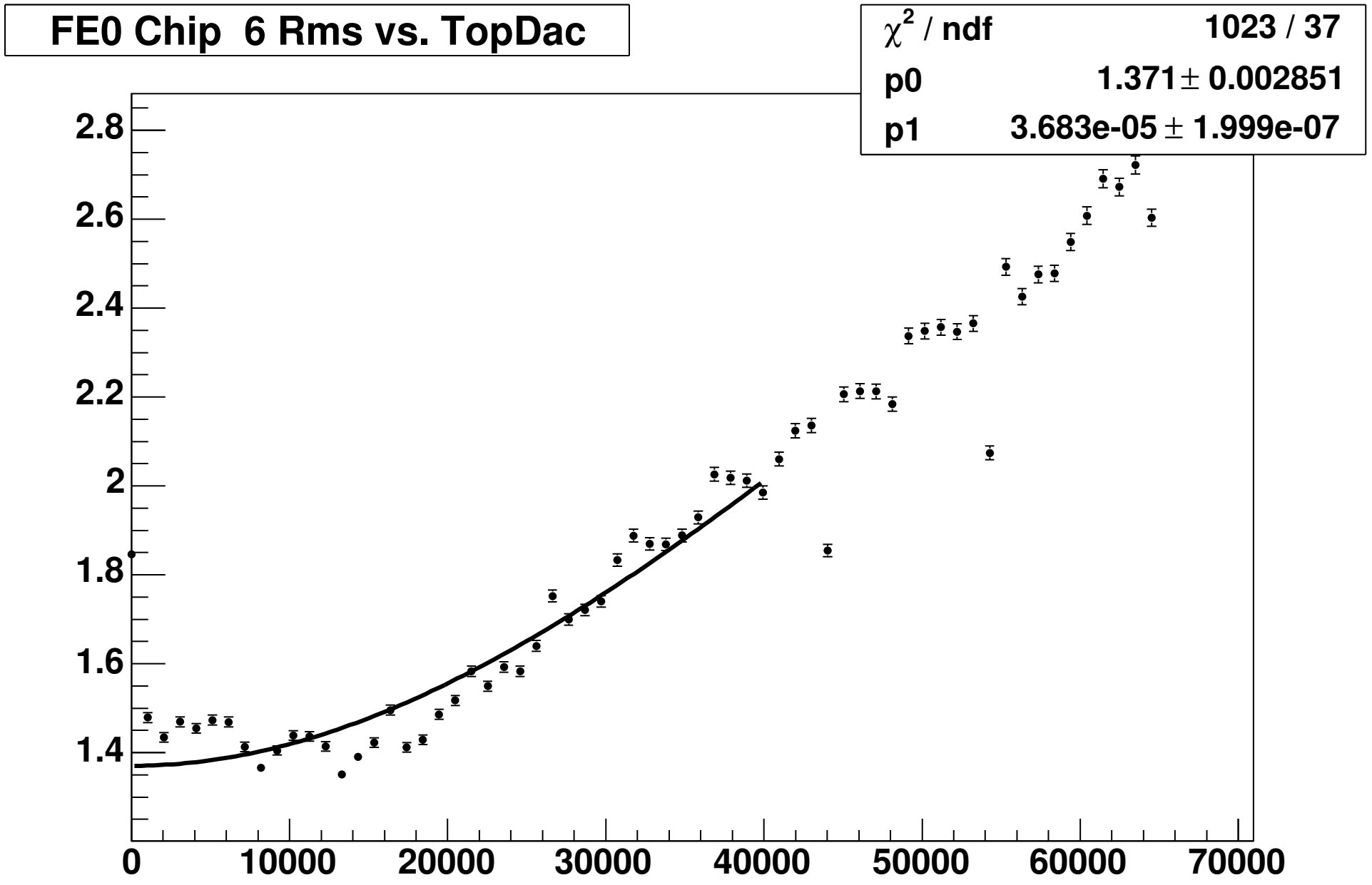
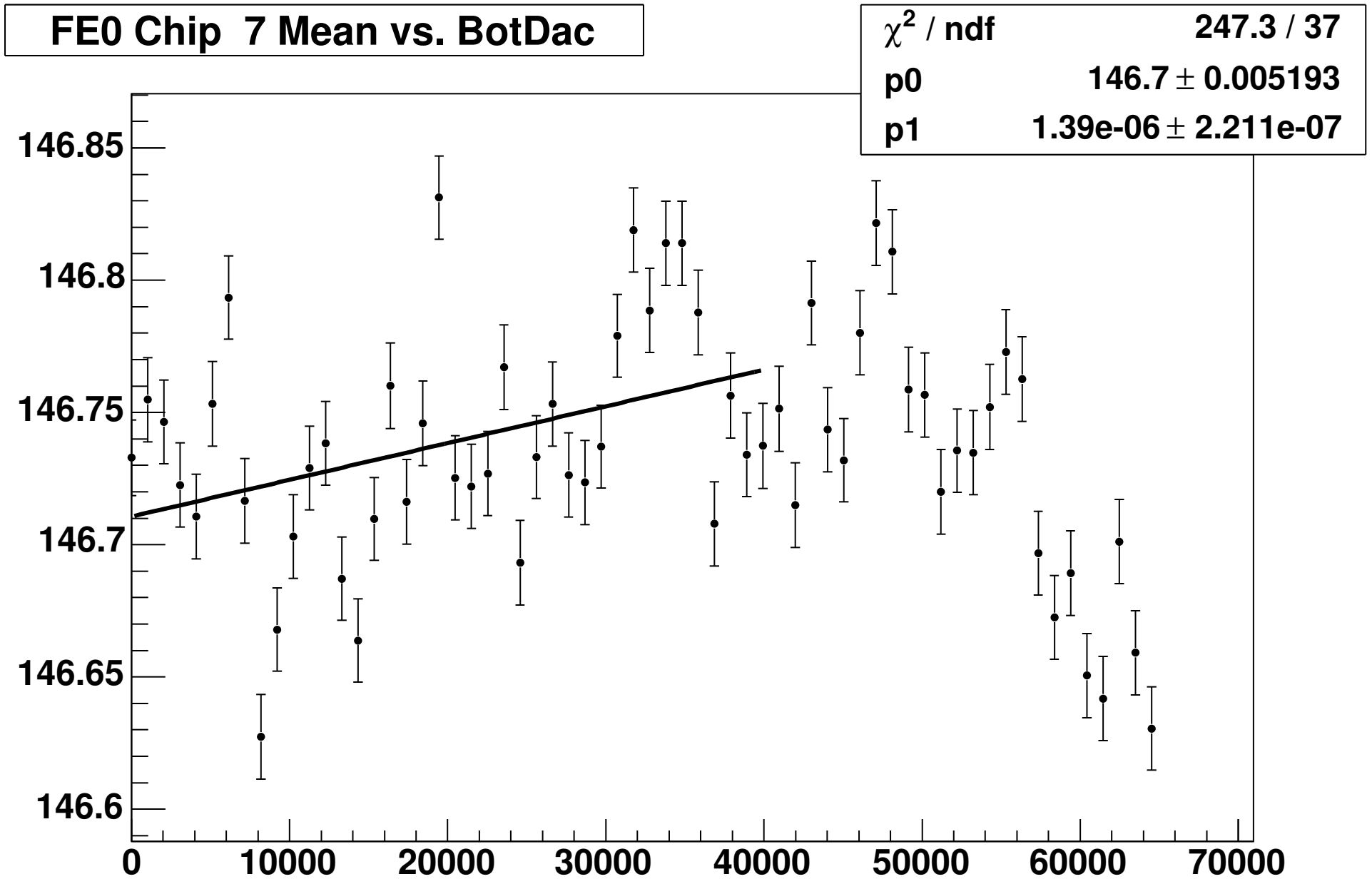
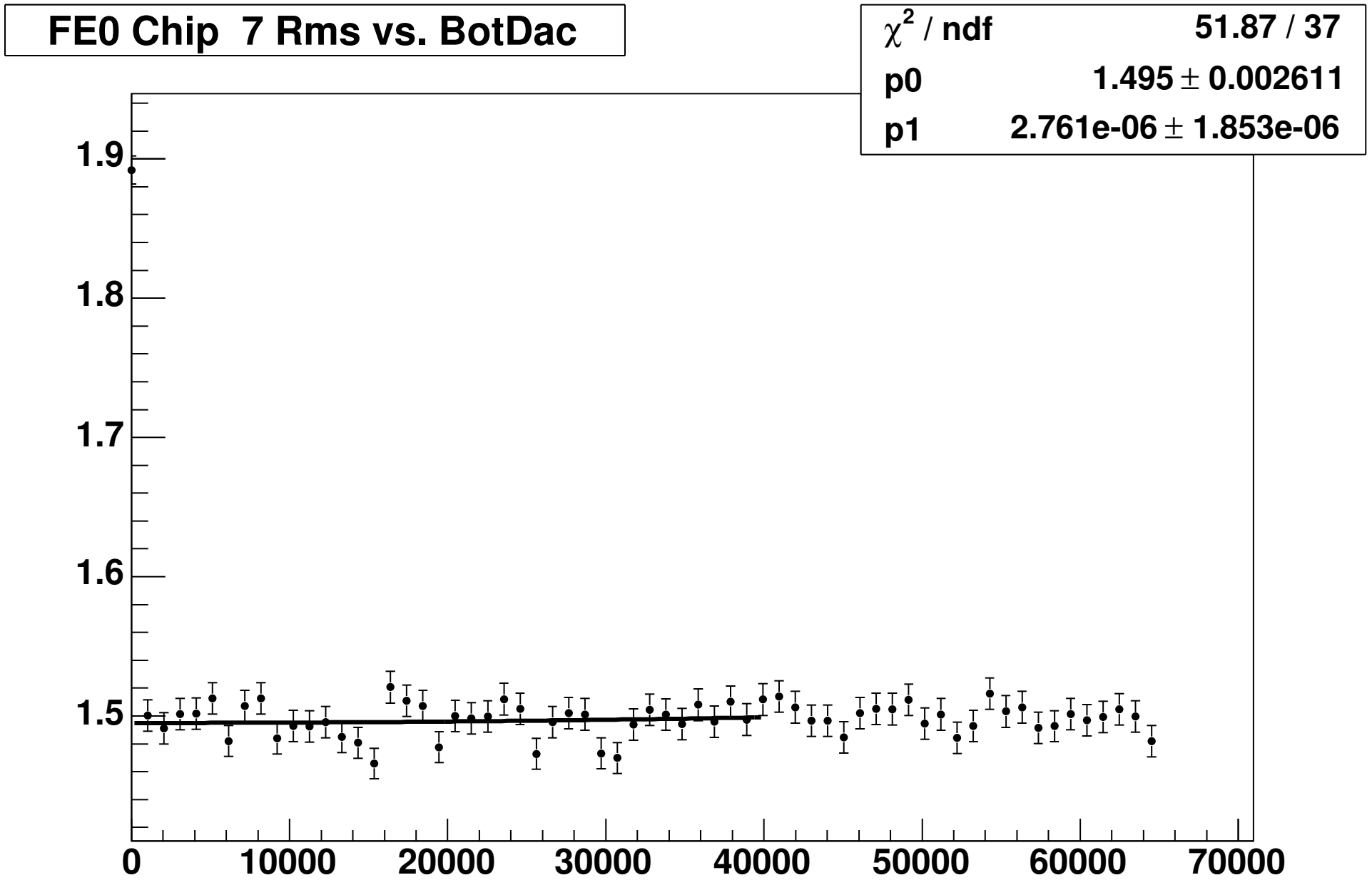
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1023 / 37
p0 1.371 ± 0.002851
p1 3.683e-05 ± 1.999e-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 247.3 / 37
p0 146.7 ± 0.005193
p1 1.39e-06 ± 2.211e-07
146.85
146.8
146.75
146.7
146.65
146.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 51.87 / 37
p0 1.495 ± 0.002611
p1 2.761e-06 ± 1.853e-06
1.9
1.8
1.7
1.6
1.5
0
10000
20000
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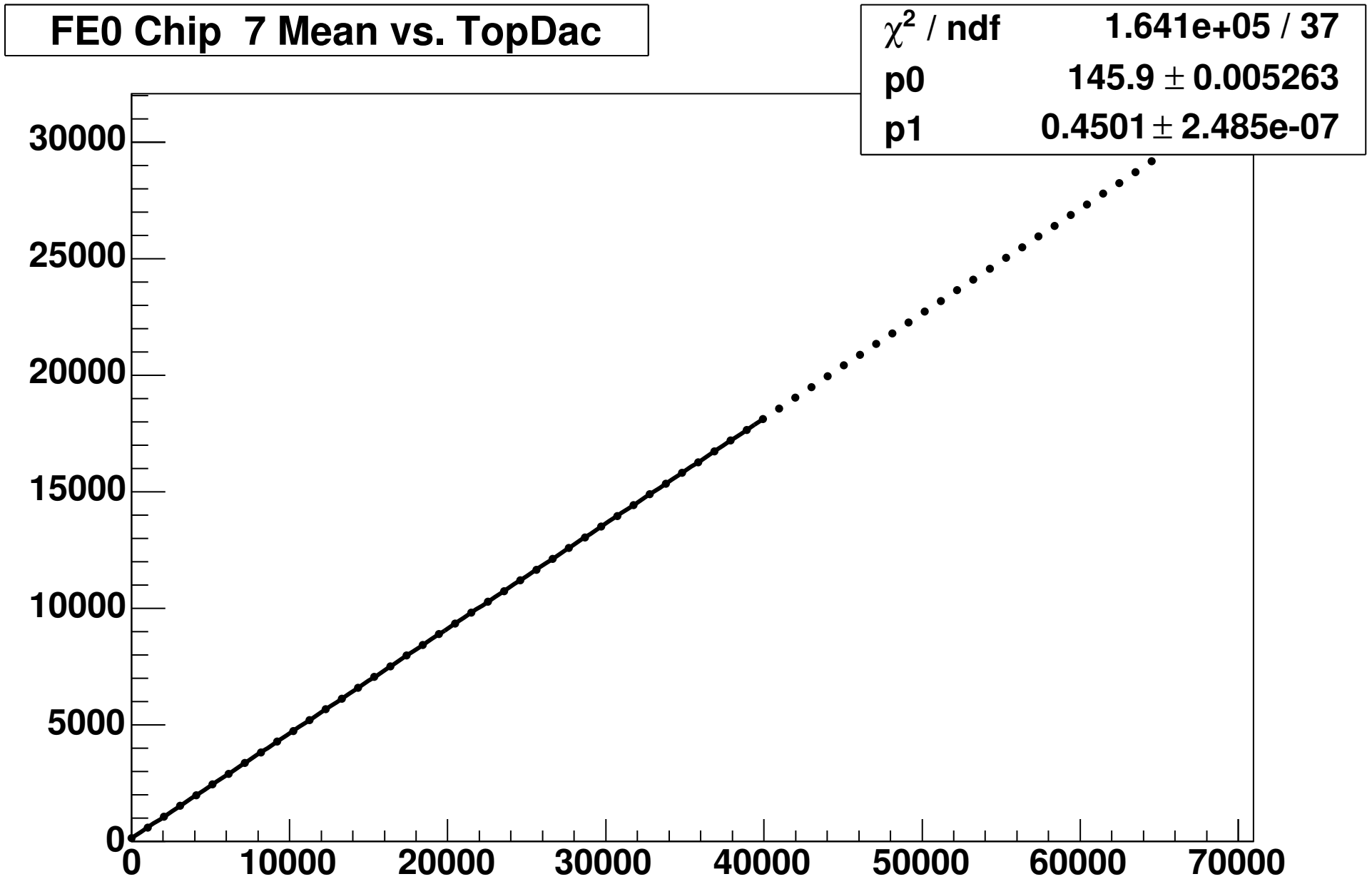
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.641e+05 / 37
p0 145.9 ± 0.005263
p1 0.4501 ± 2.485e-07
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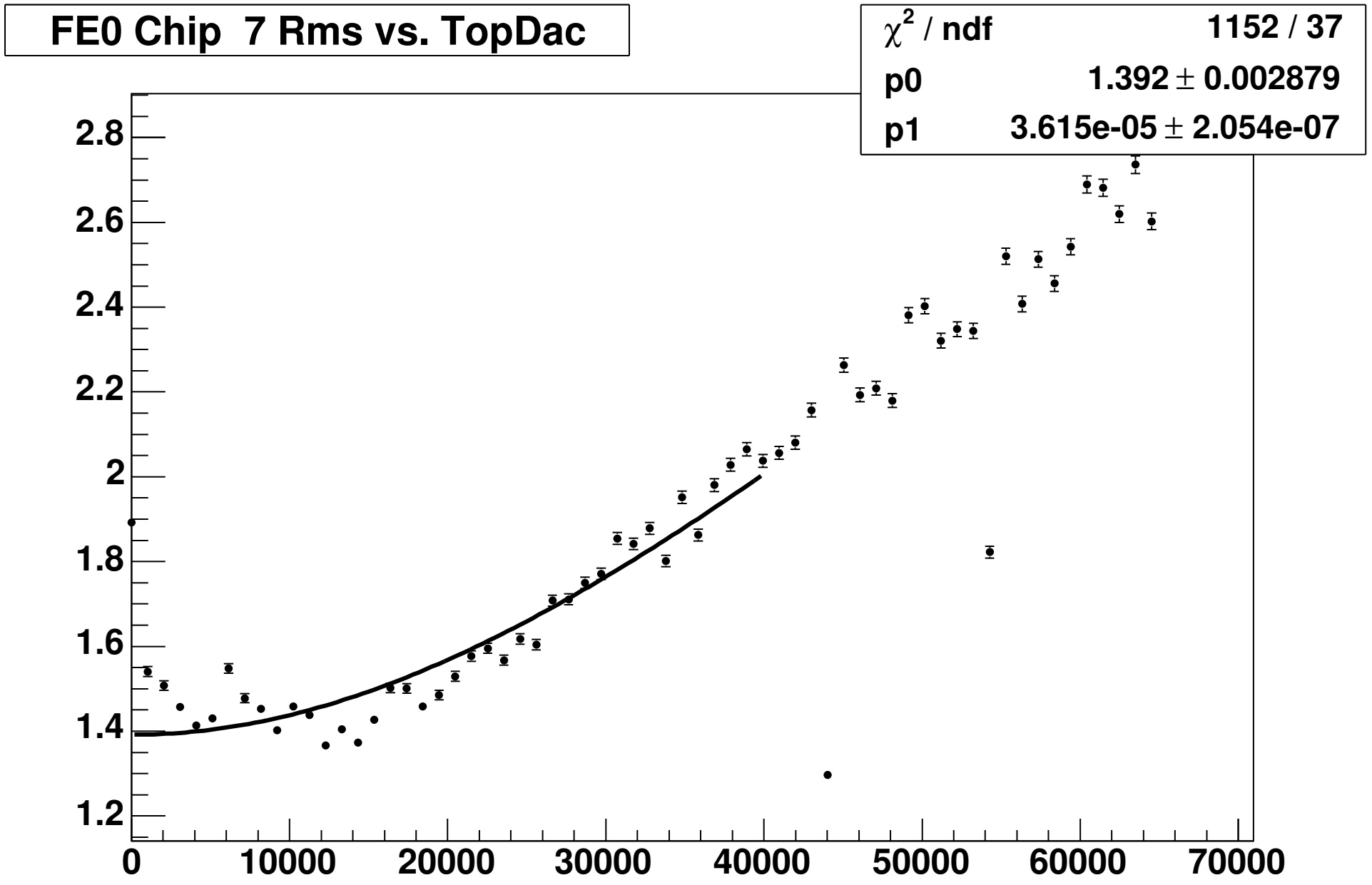
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1152 / 37
p0 1.392 ± 0.002879
p1 3.615e-05 ± 2.054e-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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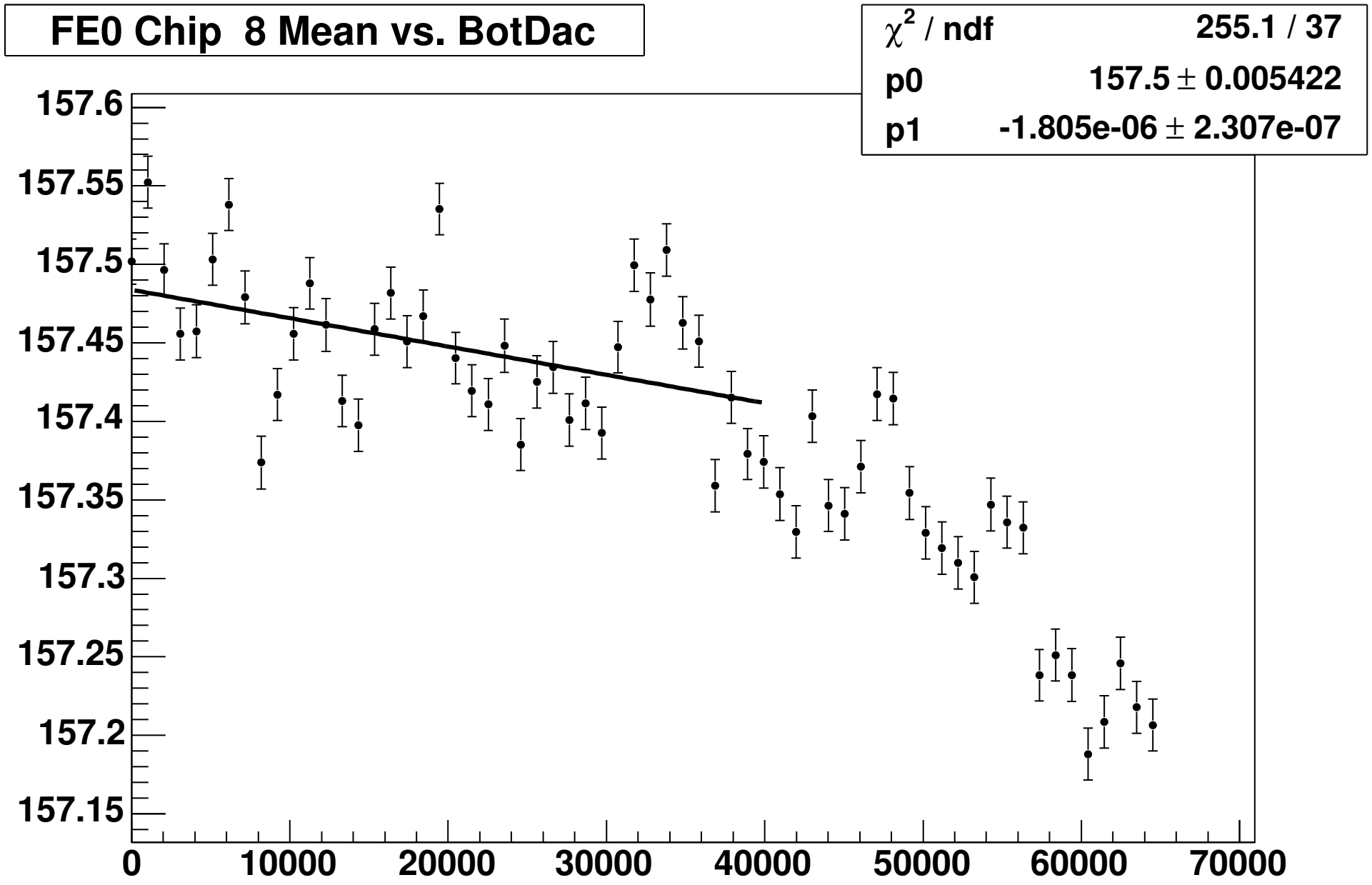
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 255.1 / 37
p0 157.5 ± 0.005422
p1 -1.805e-06 ± 2.307e-07
157.6
157.55
157.5
157.45
157.4
157.35
157.3
157.25
157.2
157.15
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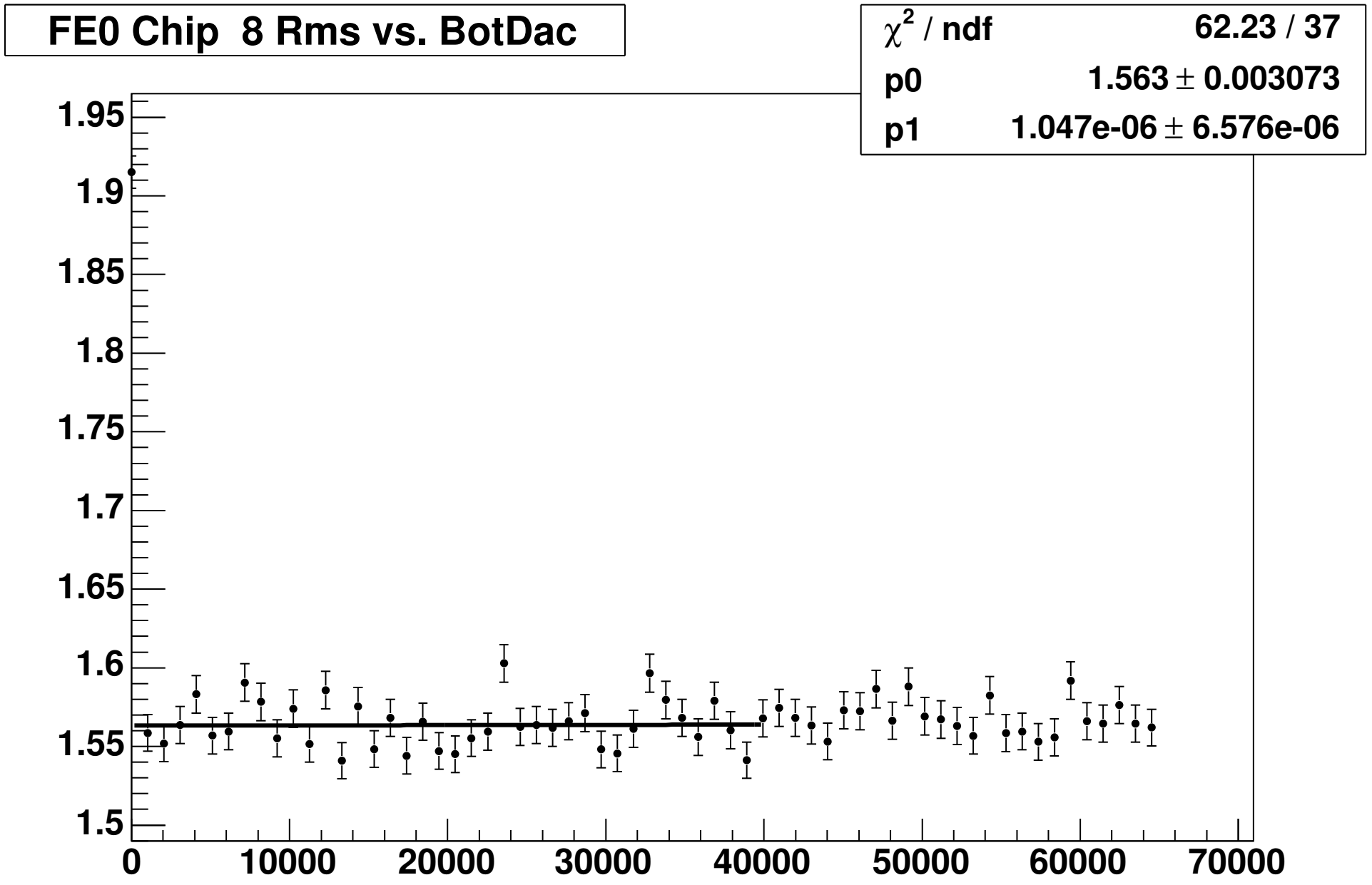
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 62.23 / 37
p0 1.563 ± 0.003073
p1 1.047e-06 ± 6.576e-06
1.95
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
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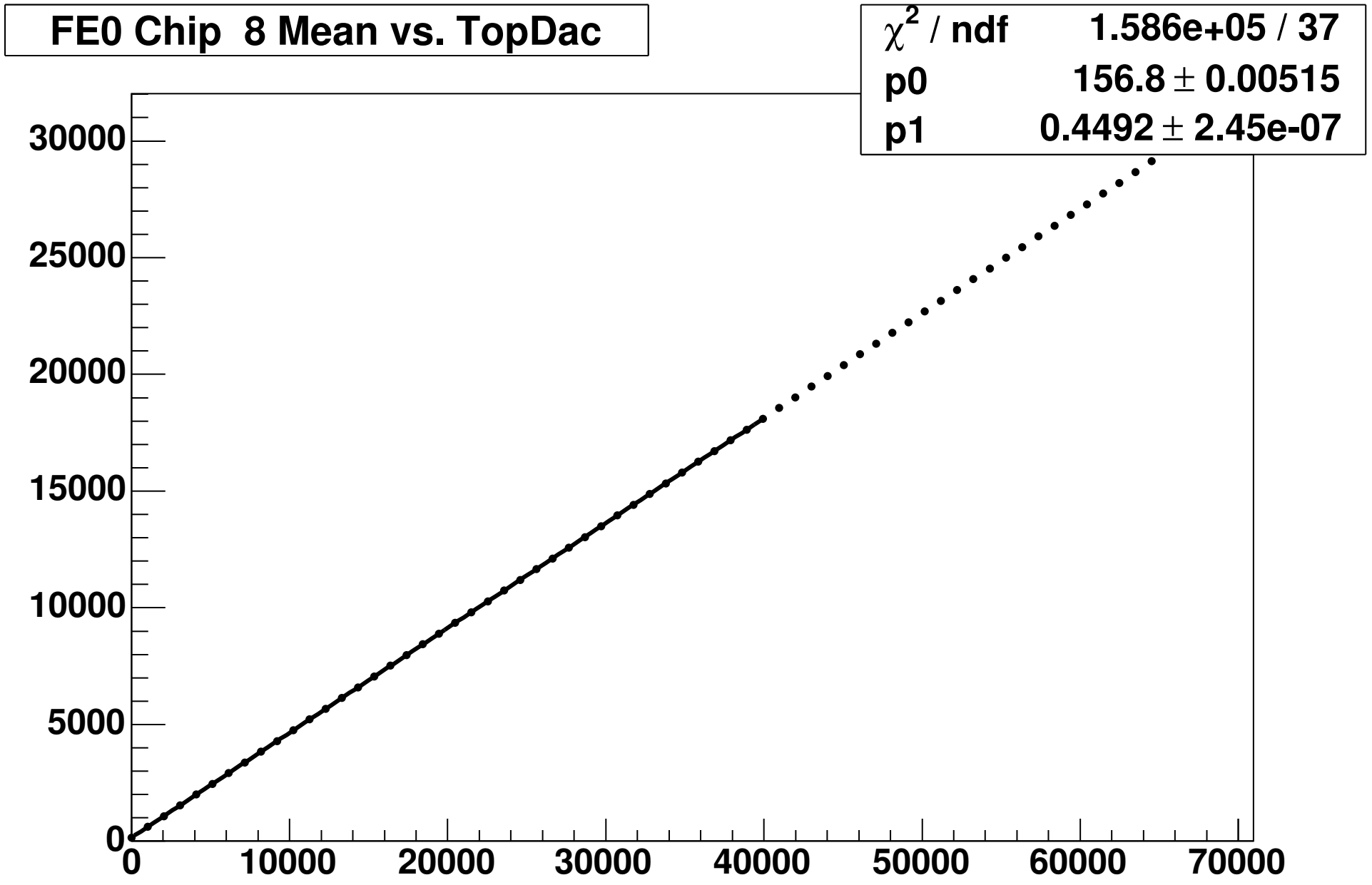
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.586e+05 / 37
p0 156.8 ± 0.00515
p1 0.4492 ± 2.45e-07
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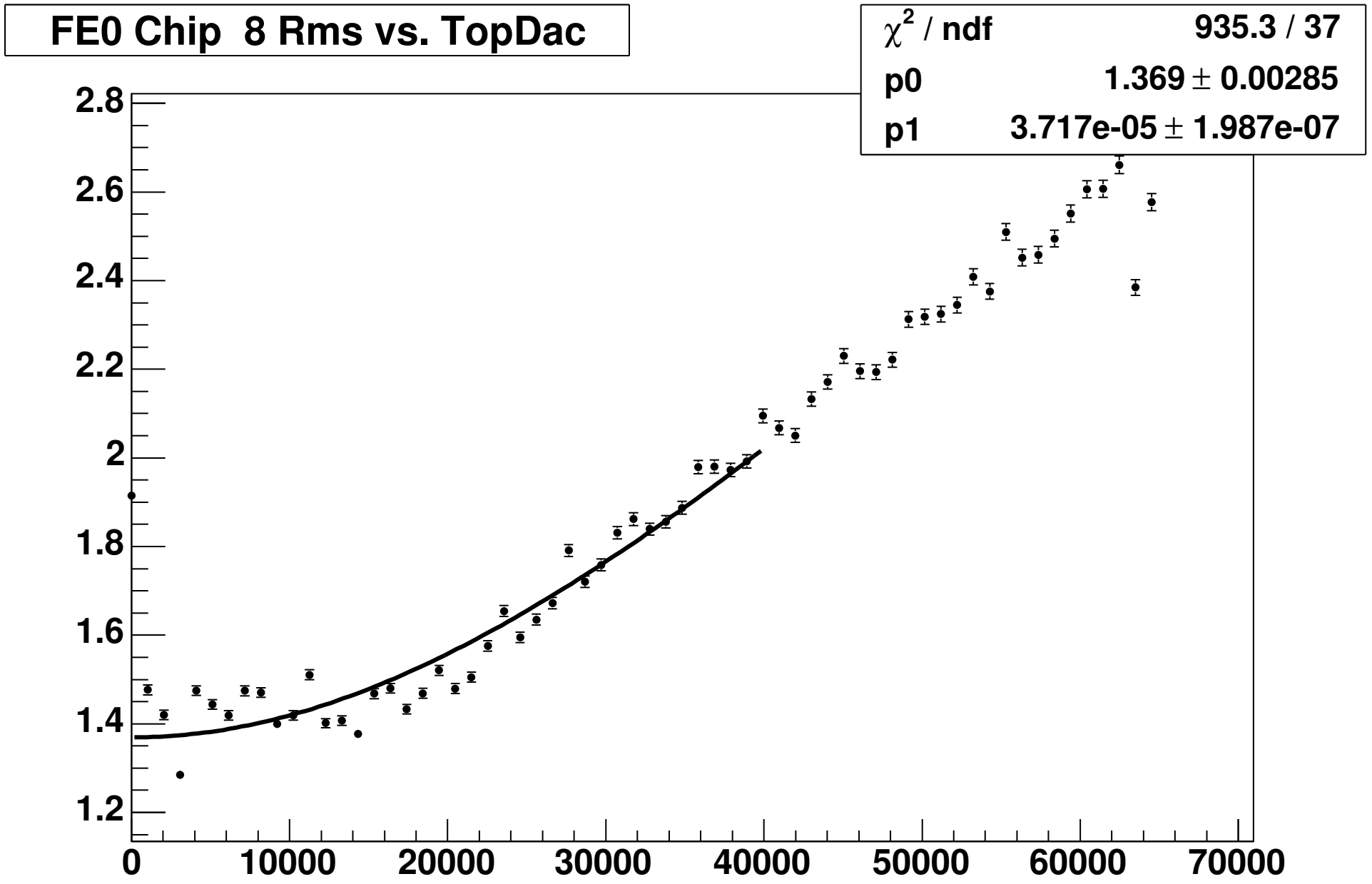
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 935.3 / 37
p0 1.369 ± 0.00285
p1 3.717e-05 ± 1.987e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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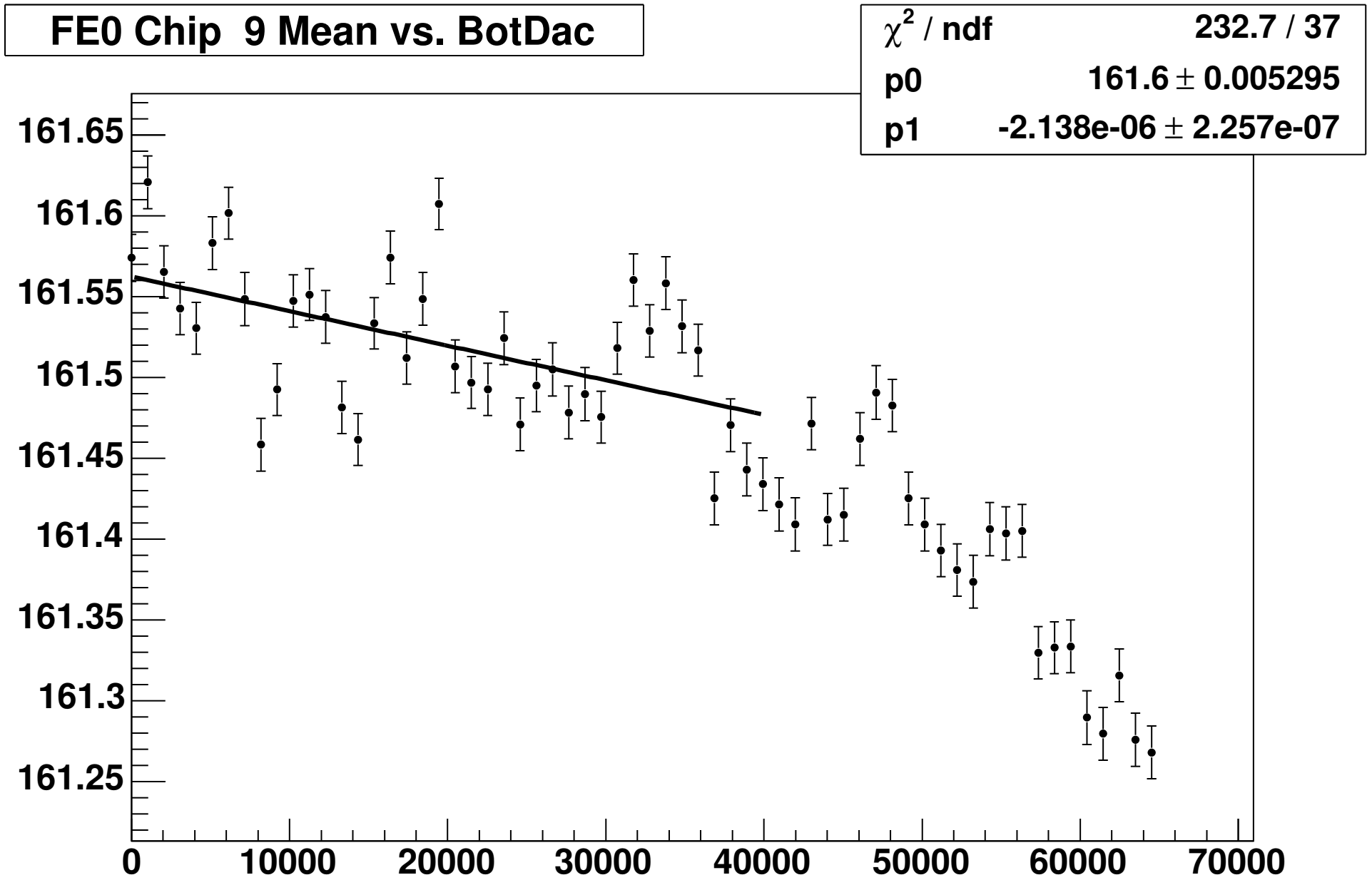
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 232.7 / 37
p0 161.6 ± 0.005295
p1 -2.138e-06 ± 2.257e-07
161.65
161.6
161.55
161.5
161.45
161.4
161.35
161.3
161.25
0
10000
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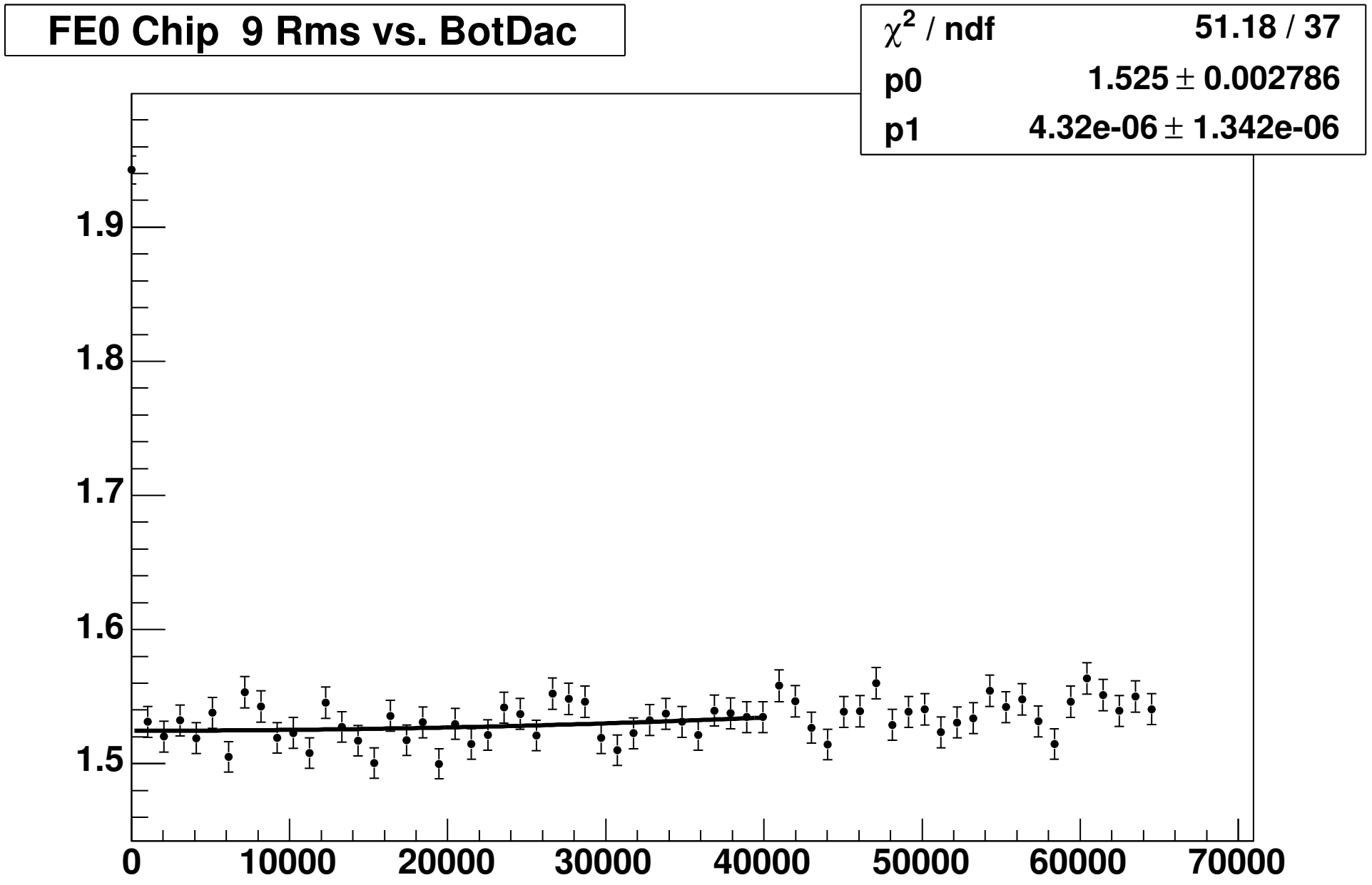
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 51.18 / 37
p0 1.525 ± 0.002786
p1 4.32e-06 ± 1.342e-06
1.9
1.8
1.7
1.6
1.5
0
10000
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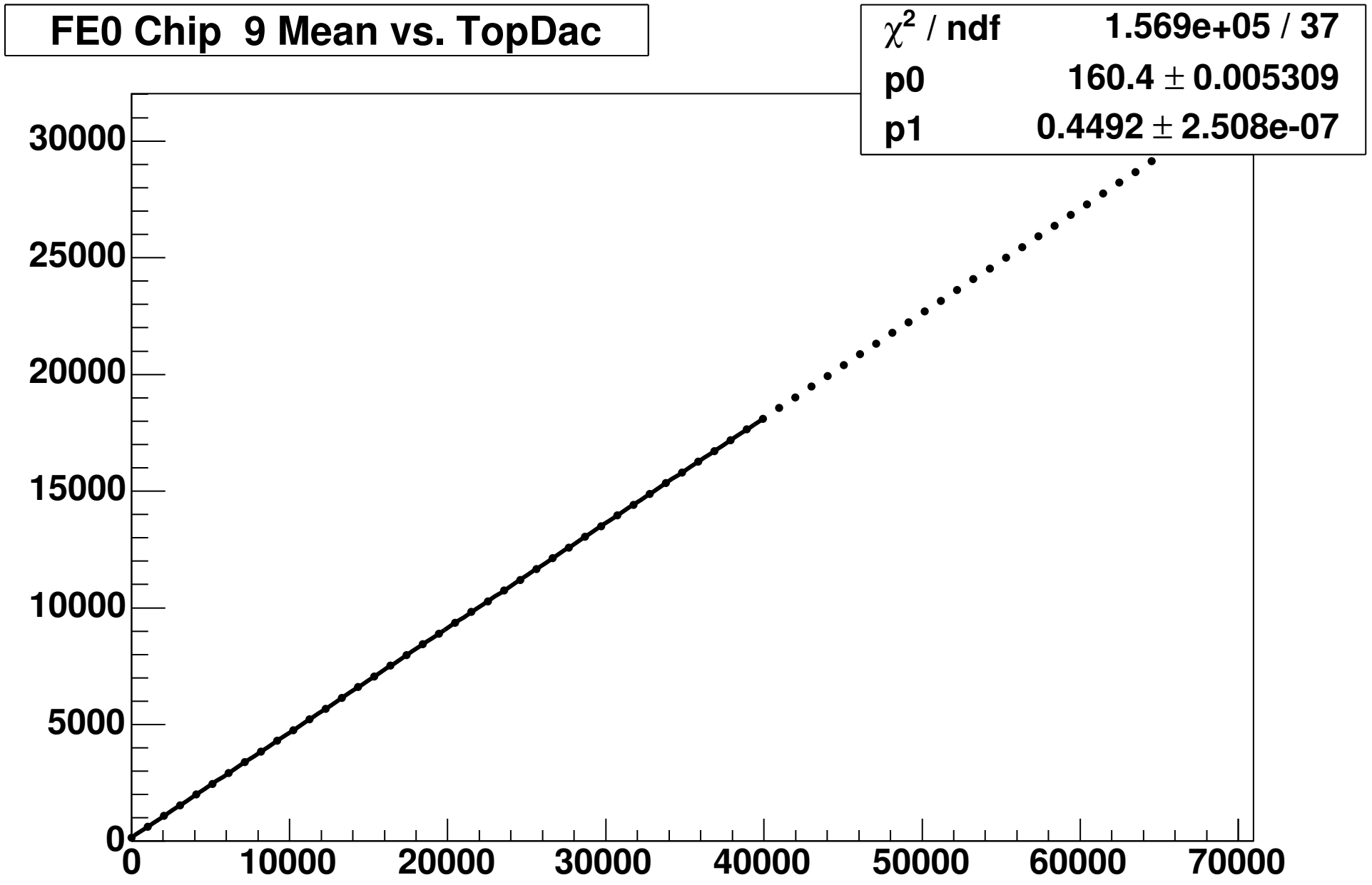
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.569e+05 / 37
p0 160.4 ± 0.005309
p1 0.4492 ± 2.508e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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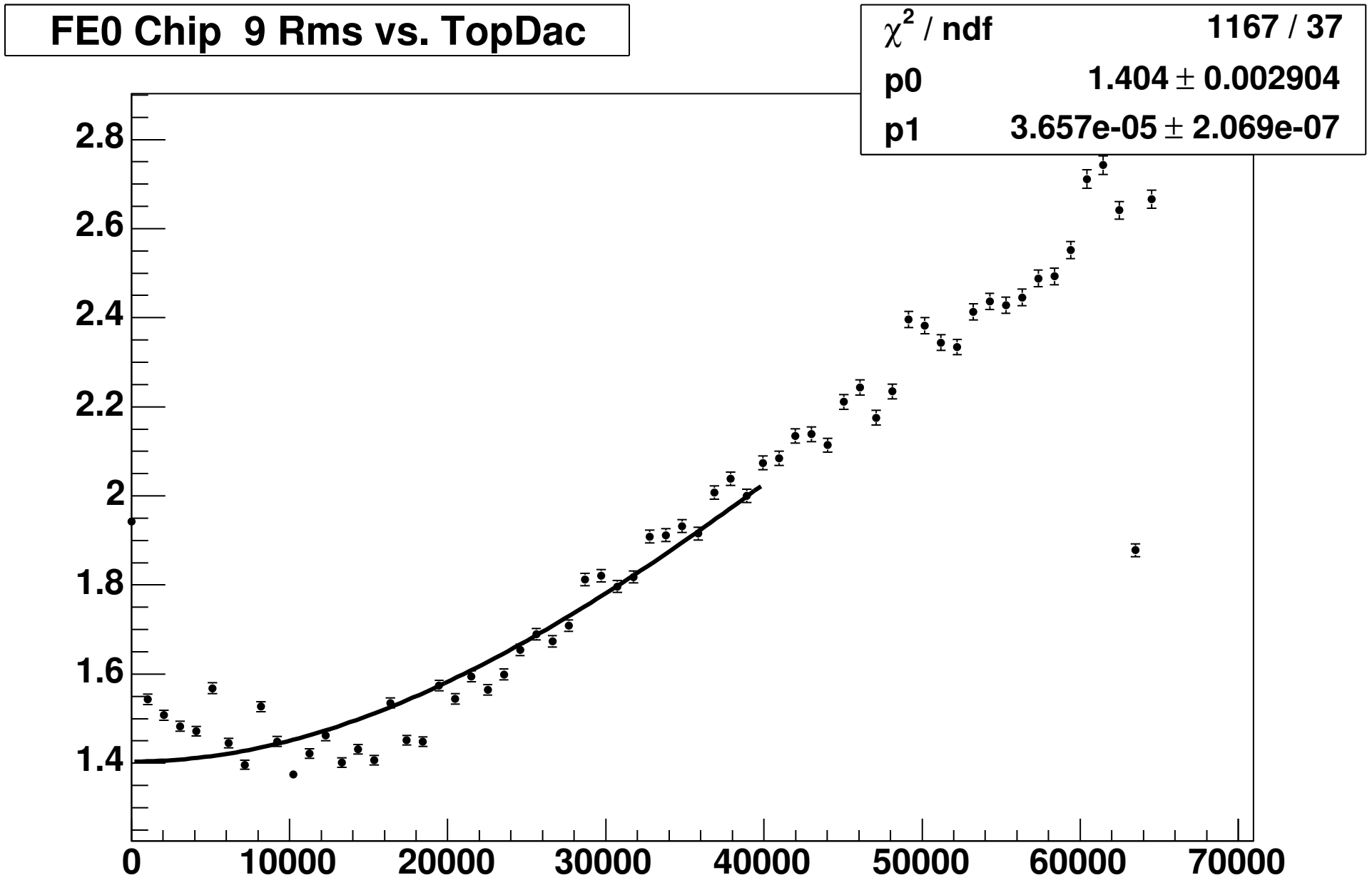
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1167 / 37
p0 1.404 ± 0.002904
p1 3.657e-05 ± 2.069e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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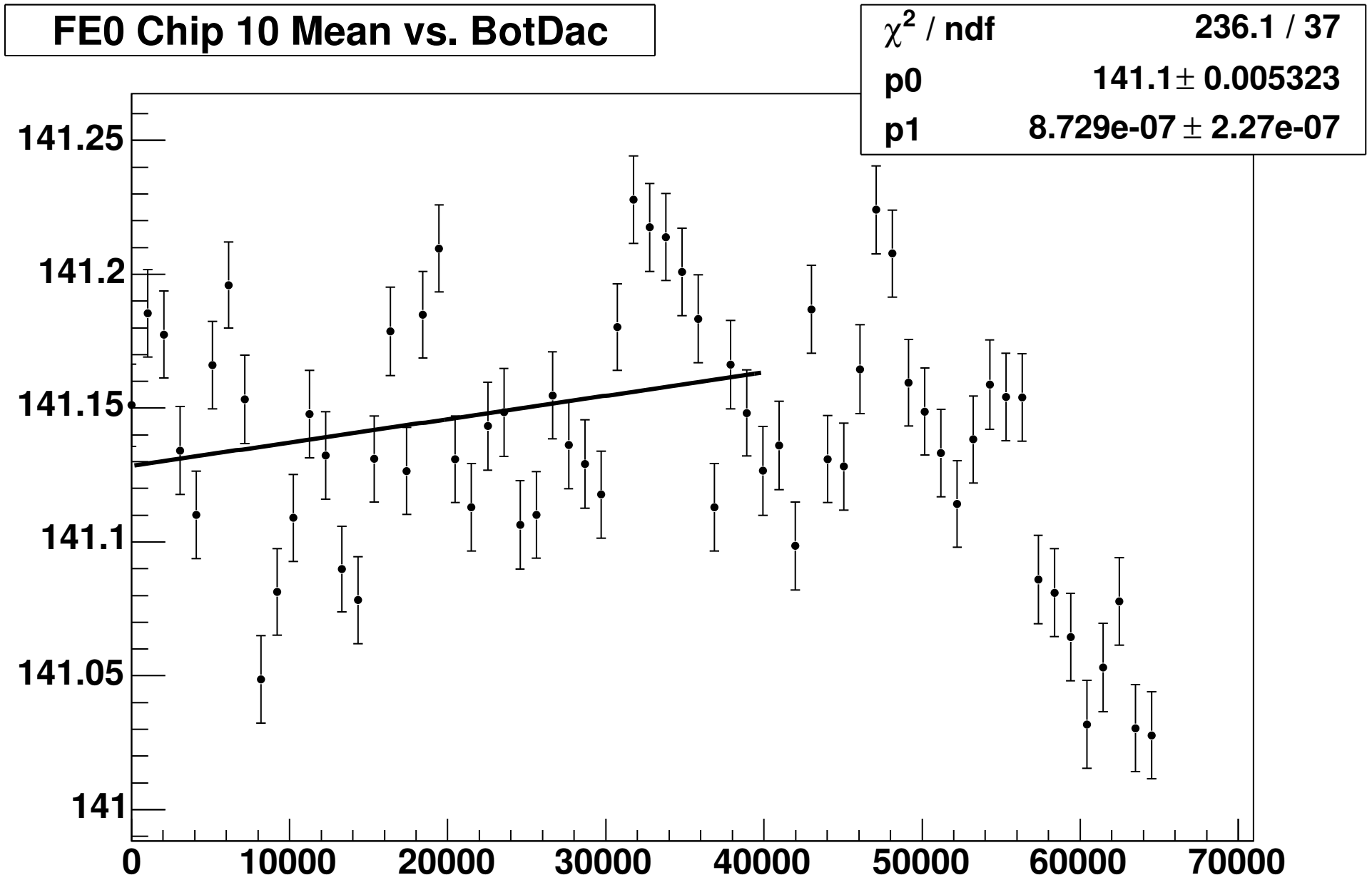
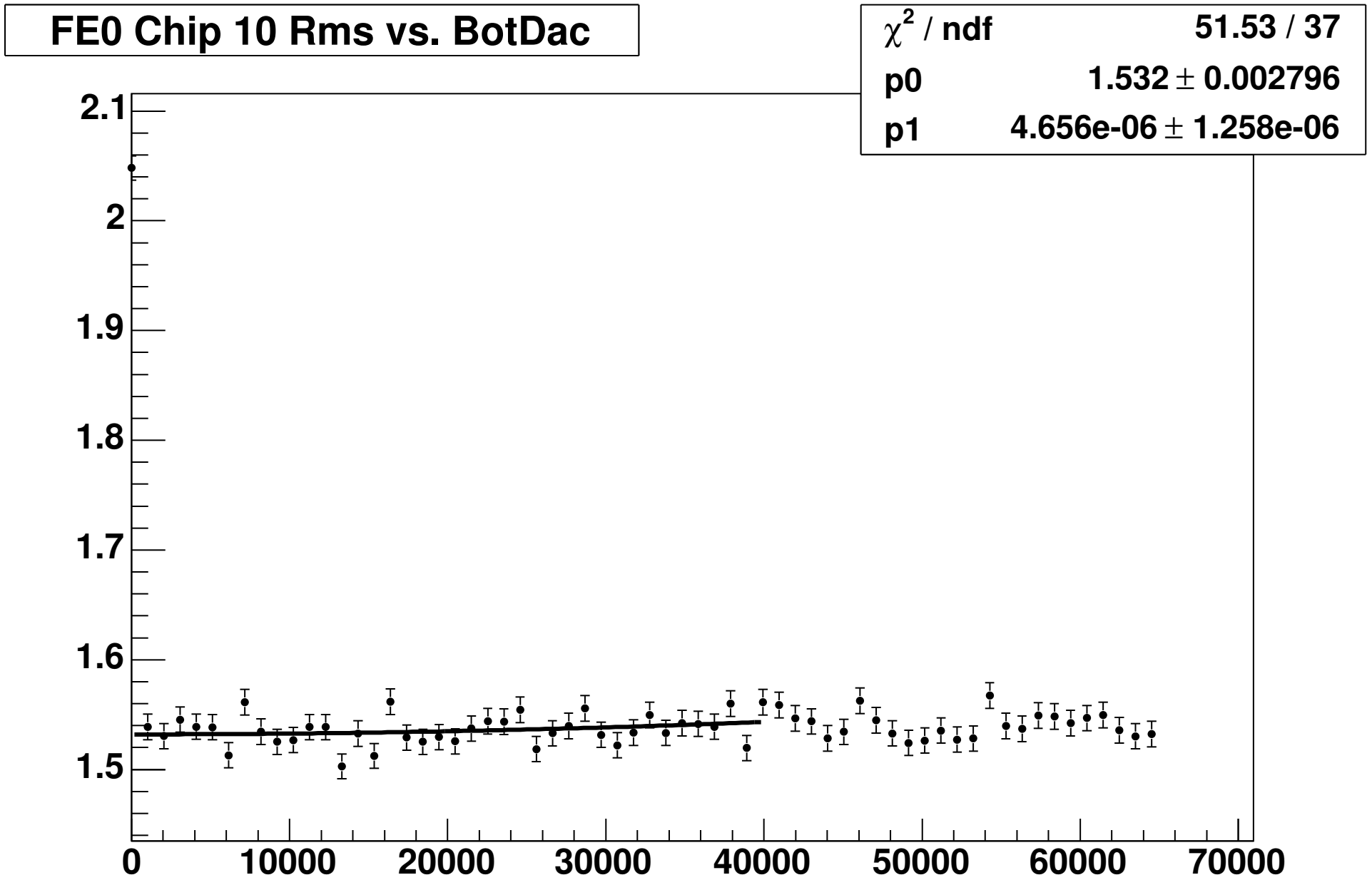

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 236.1 / 37
p0 141.1 ± 0.005323
p1 8.729e-07 ± 2.27e-07
141.25
141.2
141.15
141.1
141.05
141
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 51.53 / 37
p0 1.532 ± 0.002796
p1 4.656e-06 ± 1.258e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
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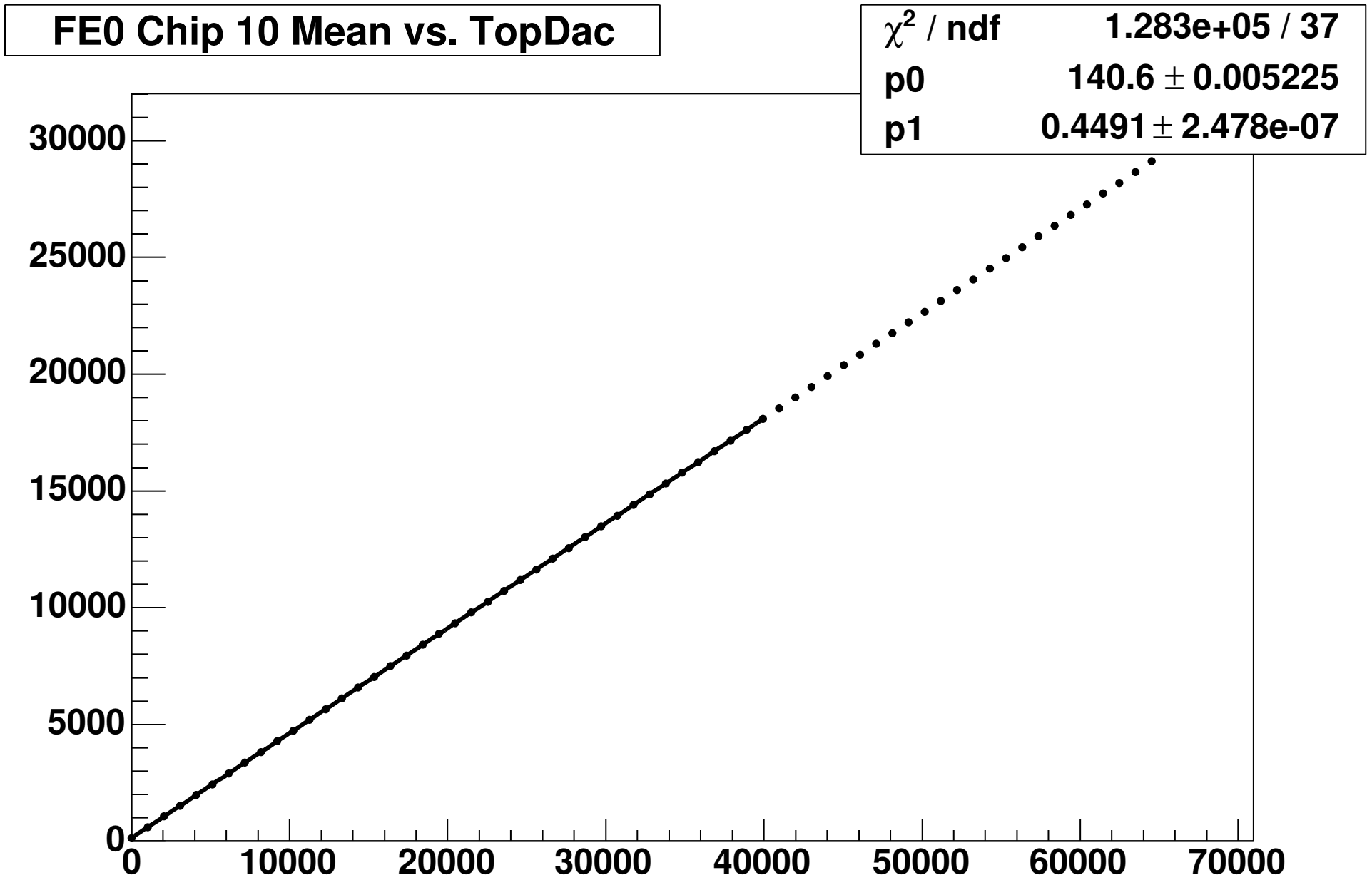
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.283e+05 / 37
p0 140.6 ± 0.005225
p1 0.4491 ± 2.478e-07
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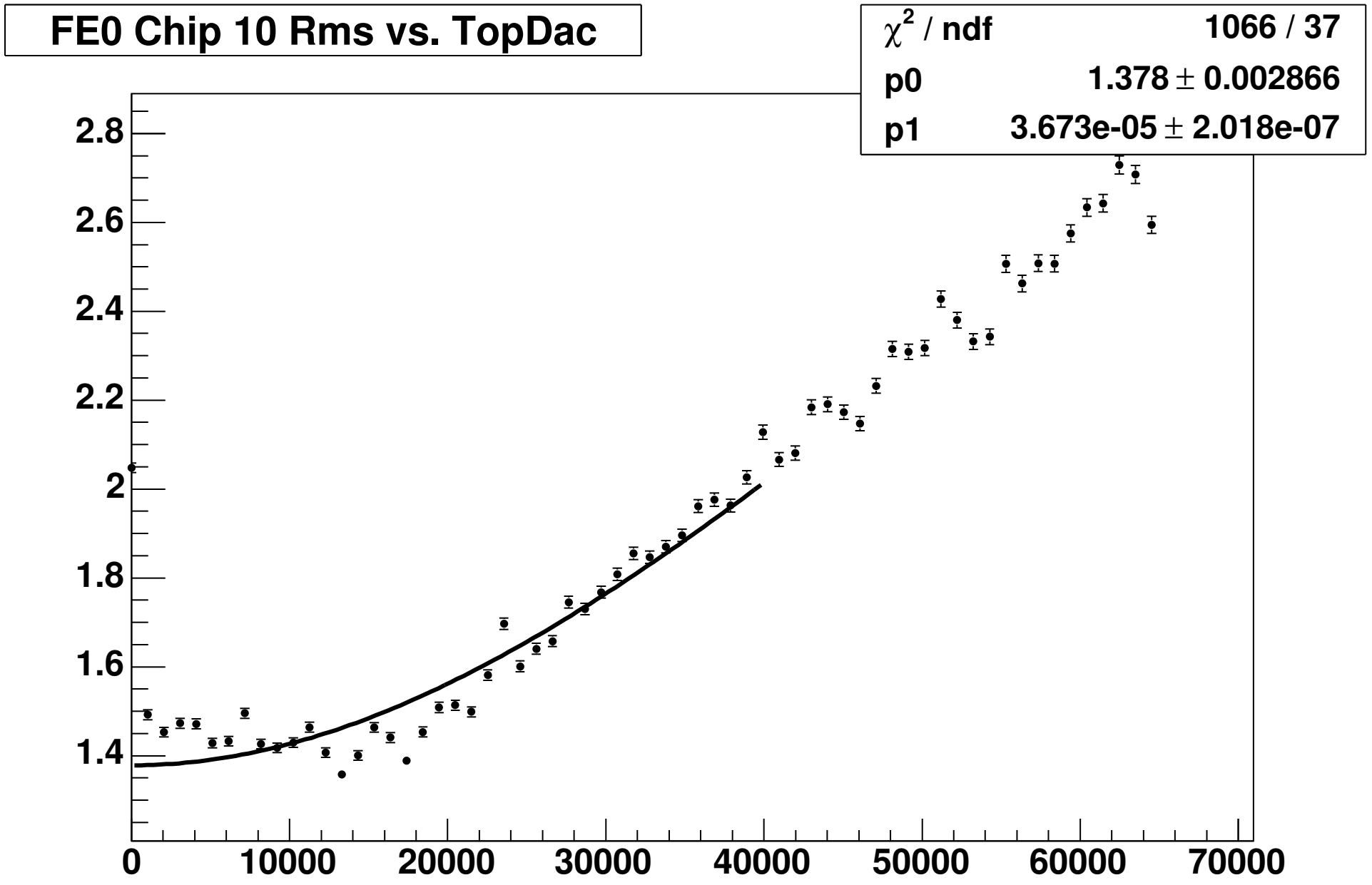
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1066 / 37
p0 1.378 ± 0.002866
p1 3.673e-05 ± 2.018e-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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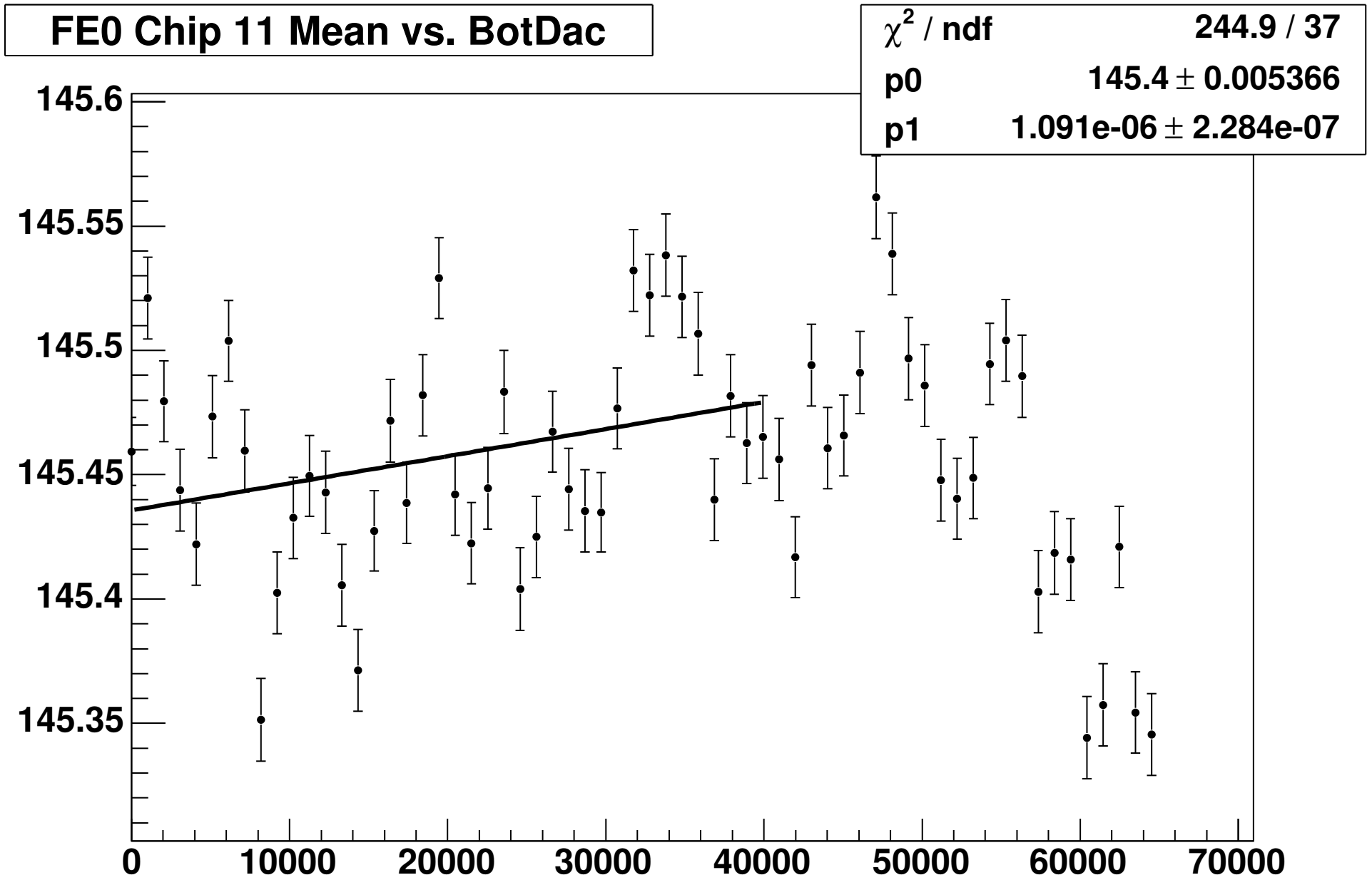
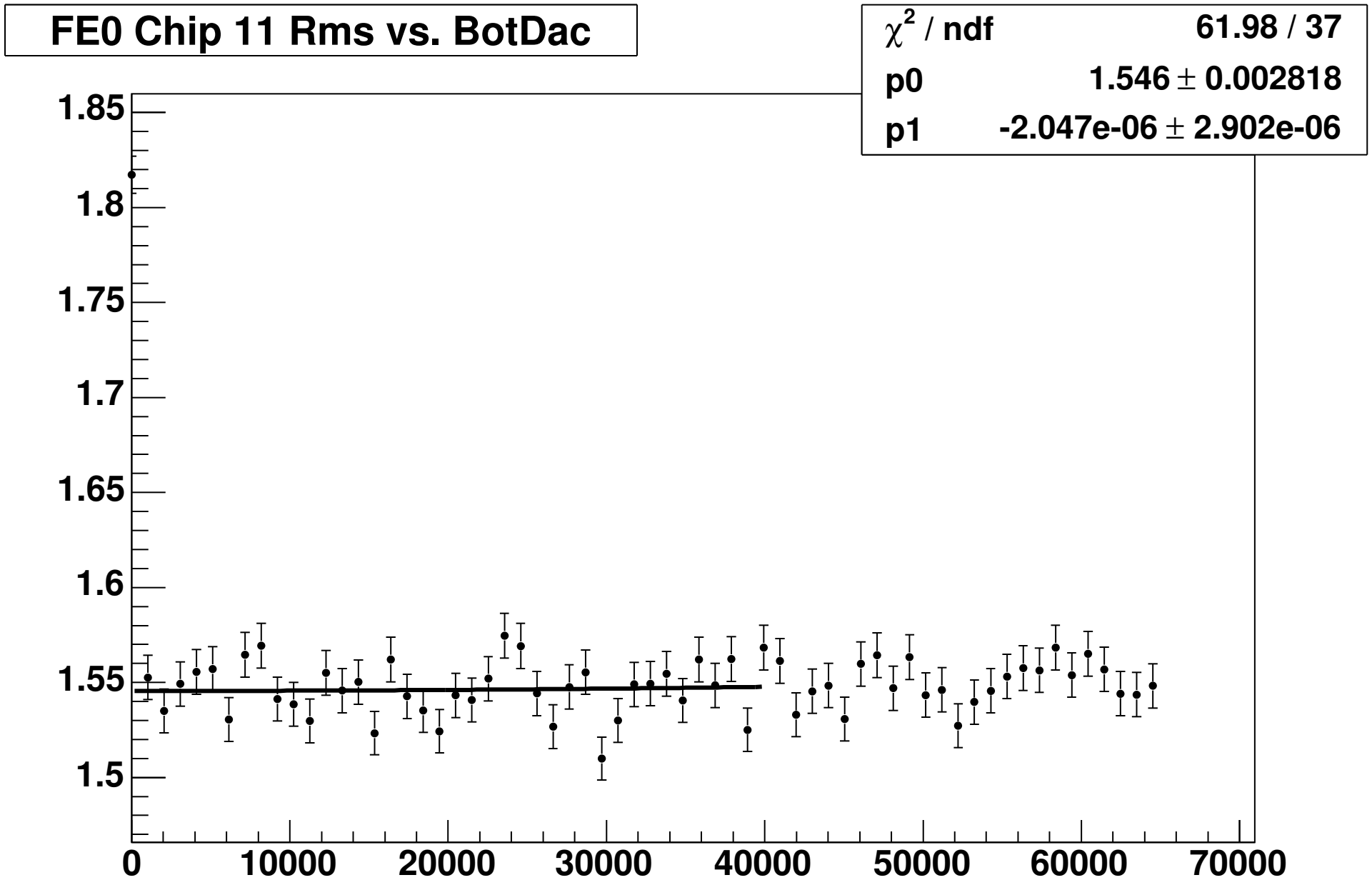

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 244.9 / 37
p0 145.4 ± 0.005366
p1 1.091e-06 ± 2.284e-07
145.6
145.55
145.5
145.45
145.4
145.35
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 61.98 / 37
p0 1.546 ± 0.002818
p1 -2.047e-06 ± 2.902e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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50000
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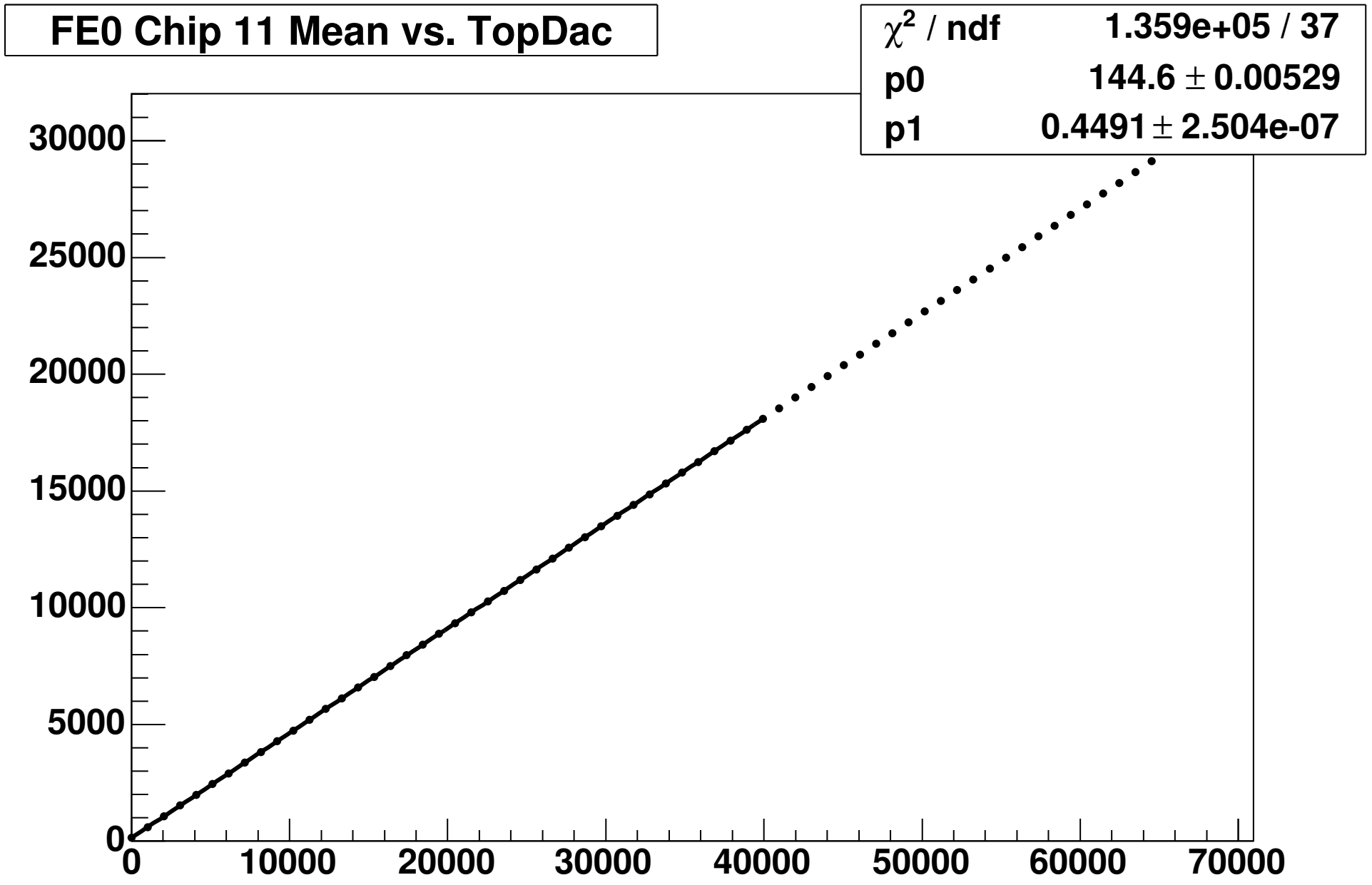
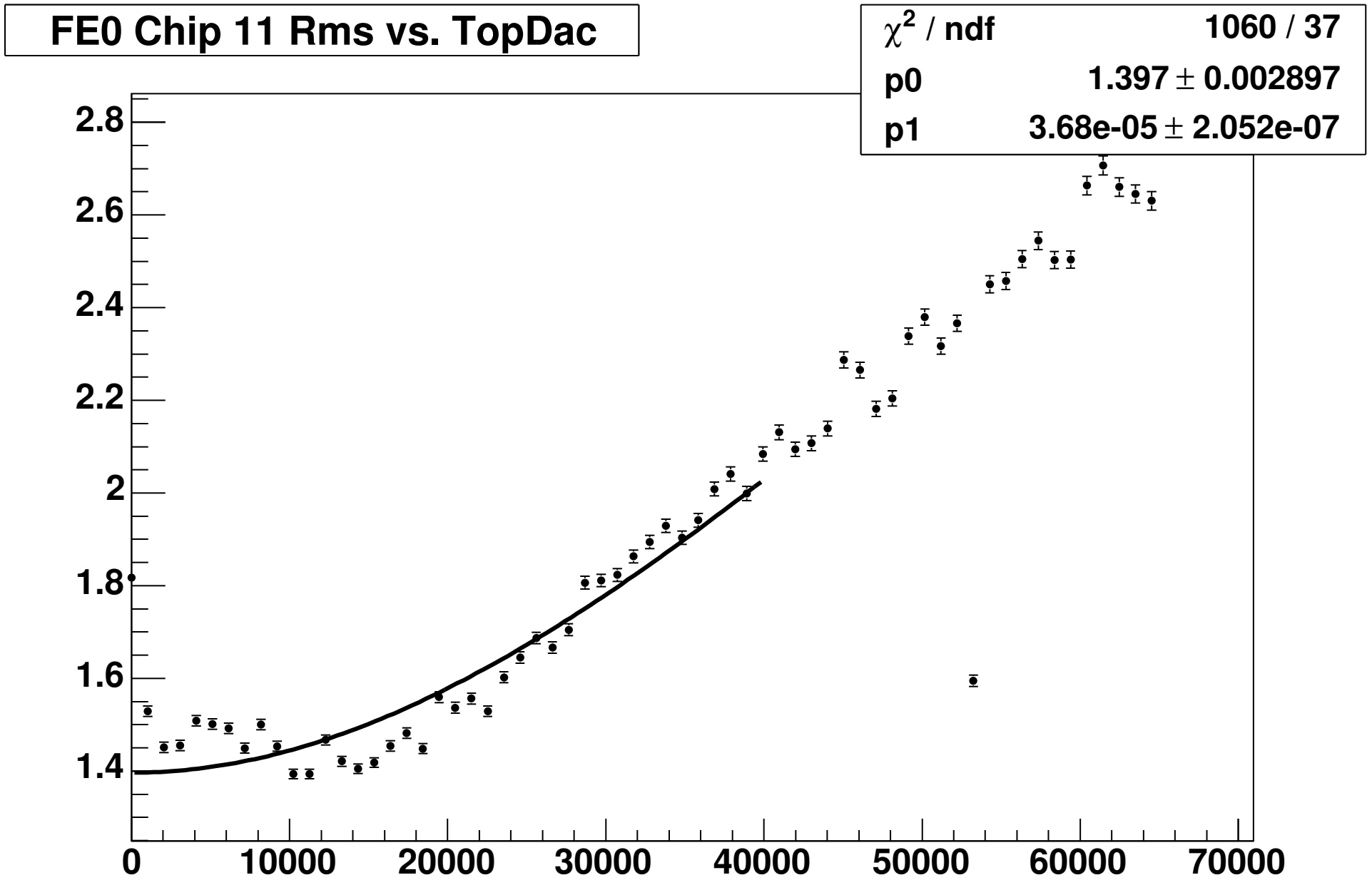

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.359e+05 / 37
p0 144.6 ± 0.00529
p1 0.4491 ± 2.504e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1060 / 37
p0 1.397 ± 0.002897
p1 3.68e-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
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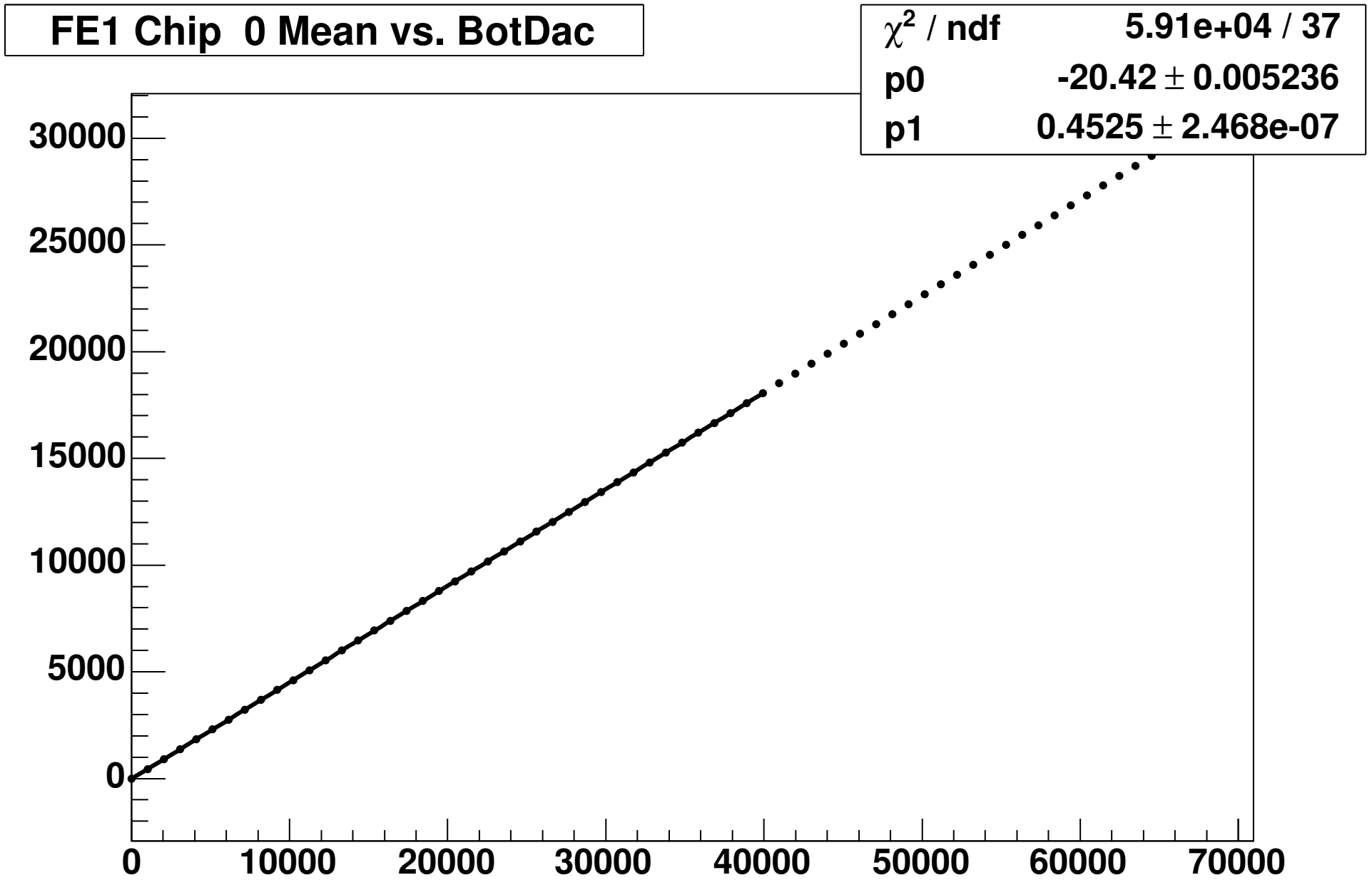
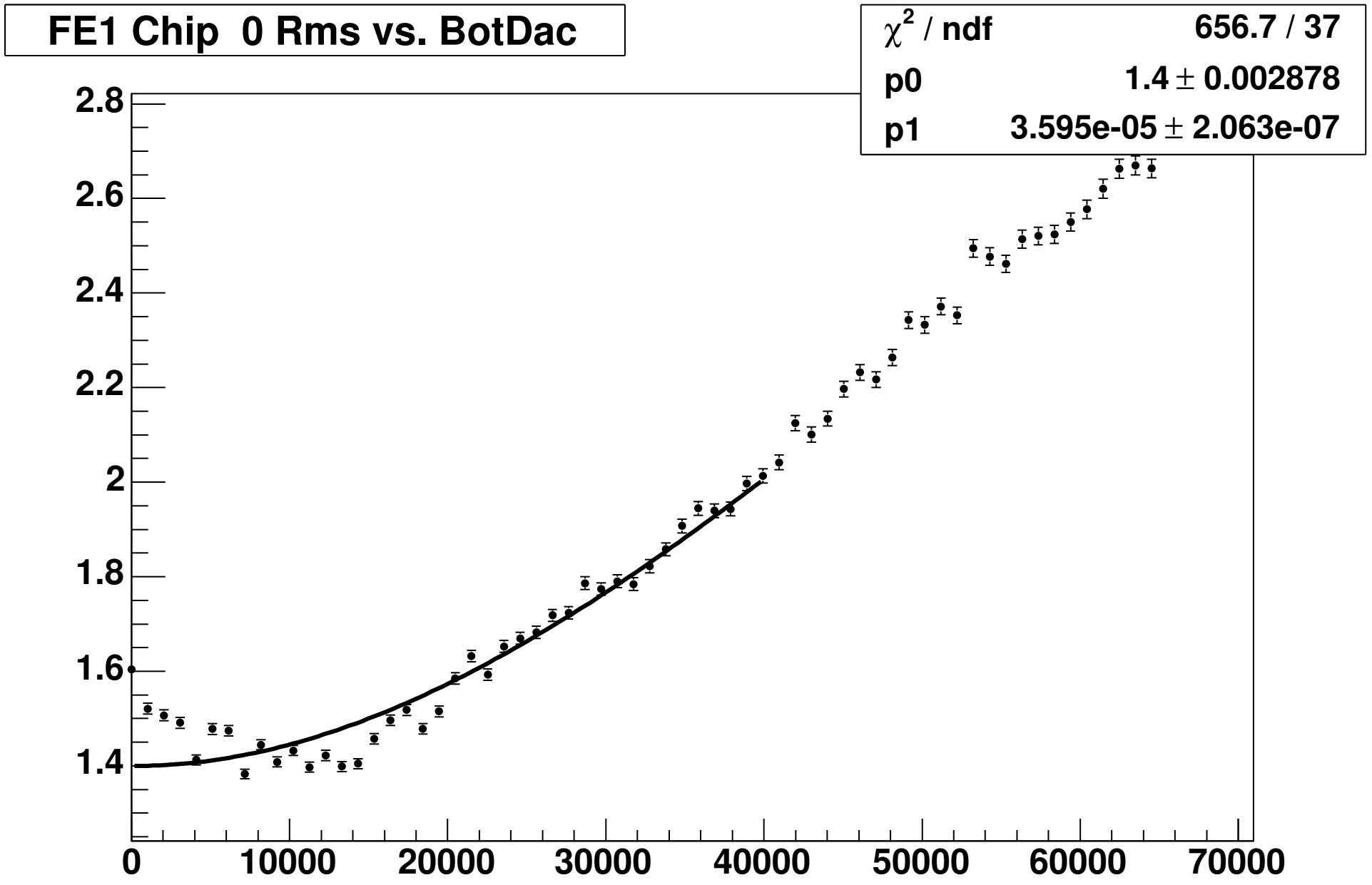
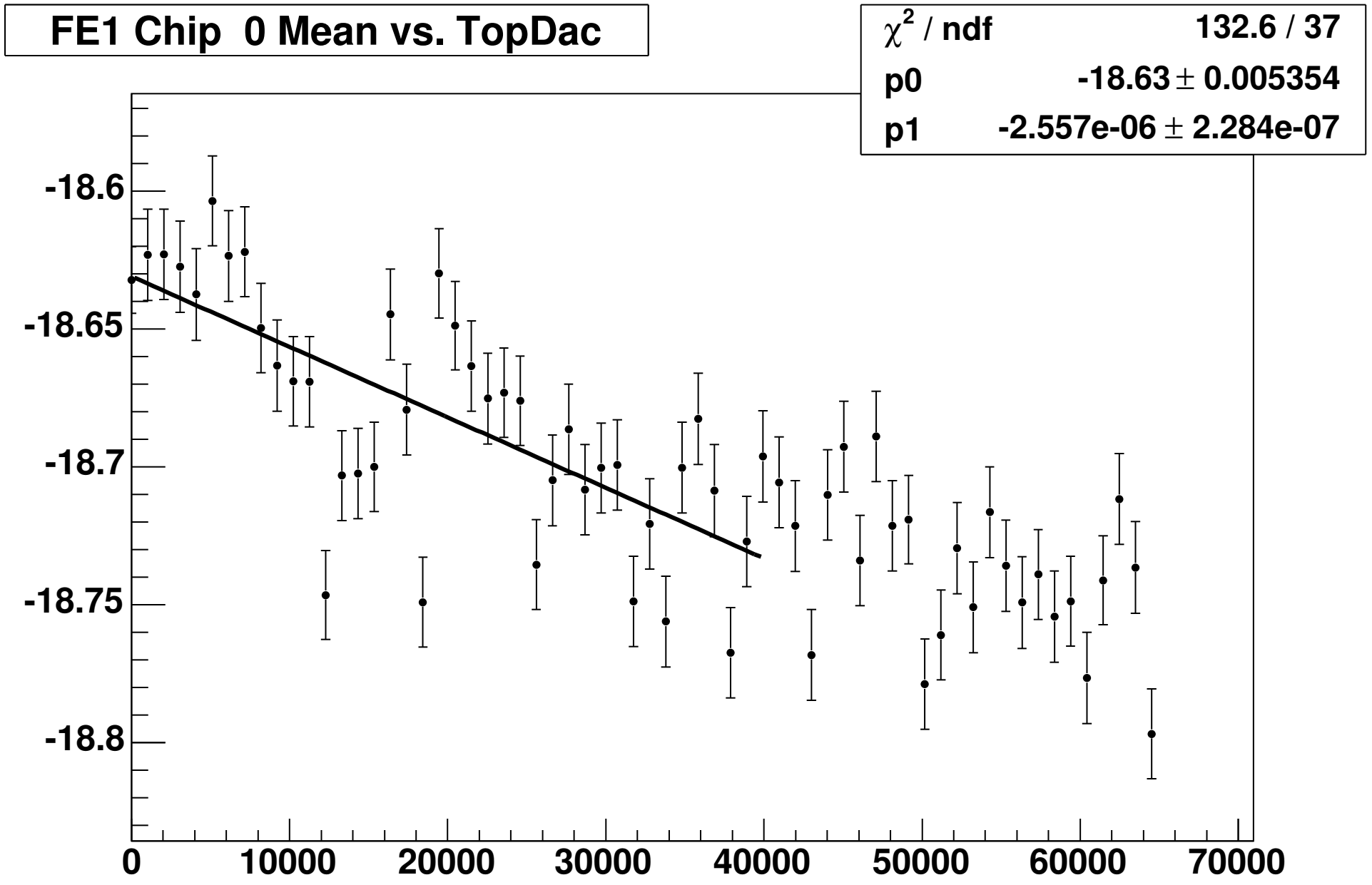
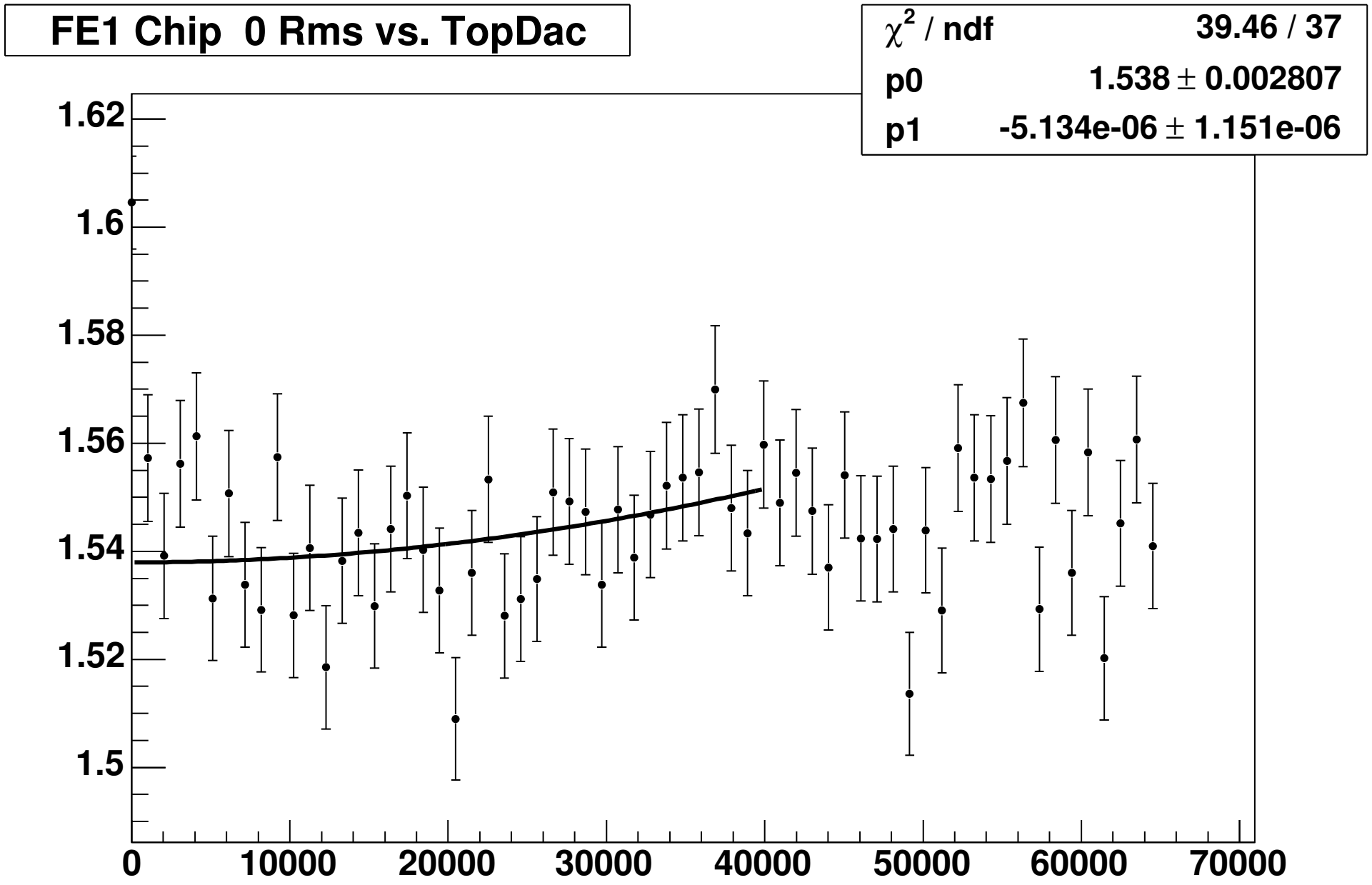

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 5.91e+04 / 37
p0 -20.42 ± 0.005236
p1 0.4525 ± 2.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 656.7 / 37
p0 1.4 ± 0.002878
p1 3.595e-05 ± 2.063e-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 0 Mean vs. TopDac
χ² / ndf 132.6 / 37
p0 -18.63 ± 0.005354
p1 -2.557e-06 ± 2.284e-07
-18.6
-18.65
-18.7
-18.75
-18.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 39.46 / 37
p0 1.538 ± 0.002807
p1 -5.134e-06 ± 1.151e-06
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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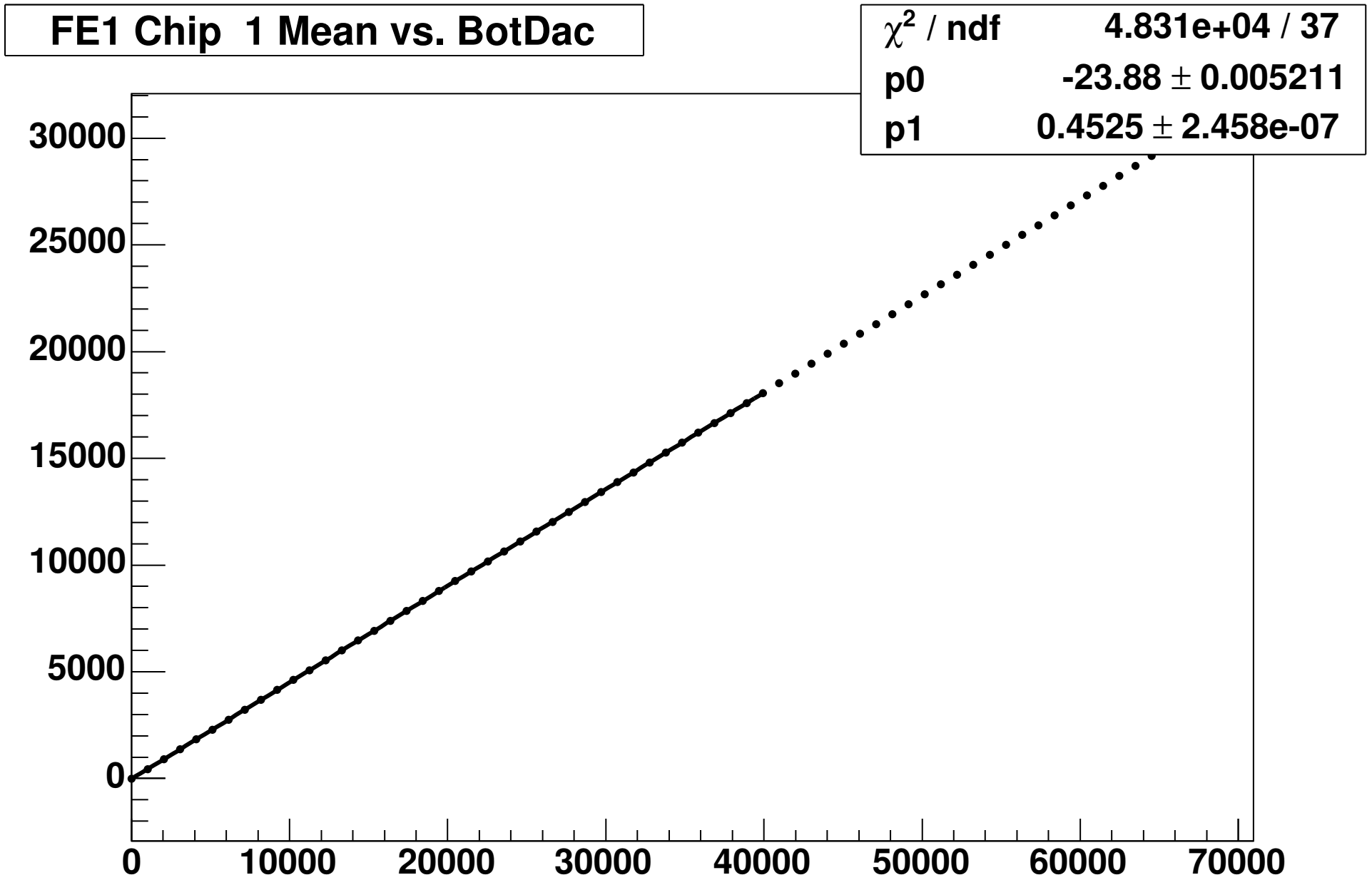
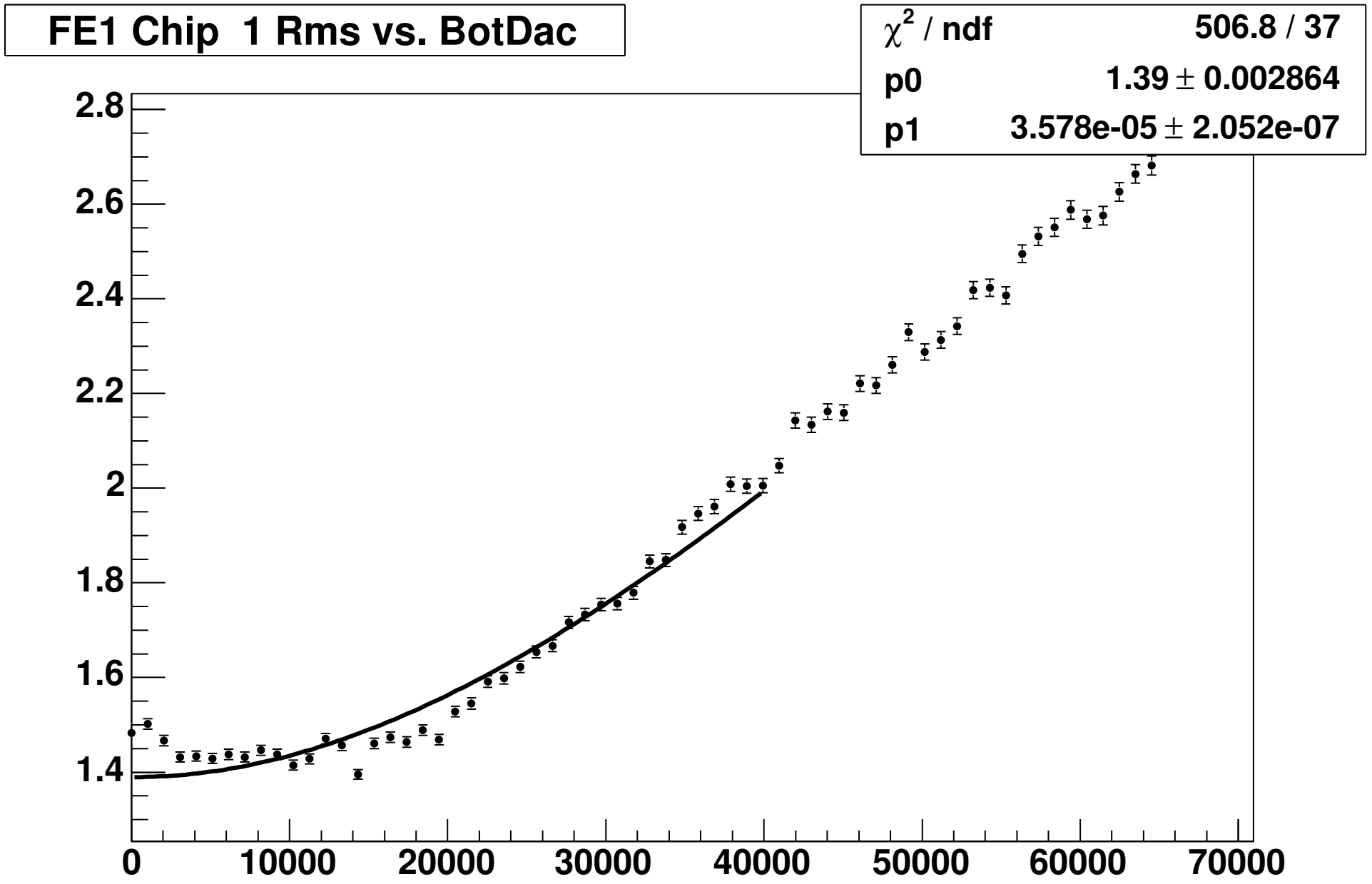
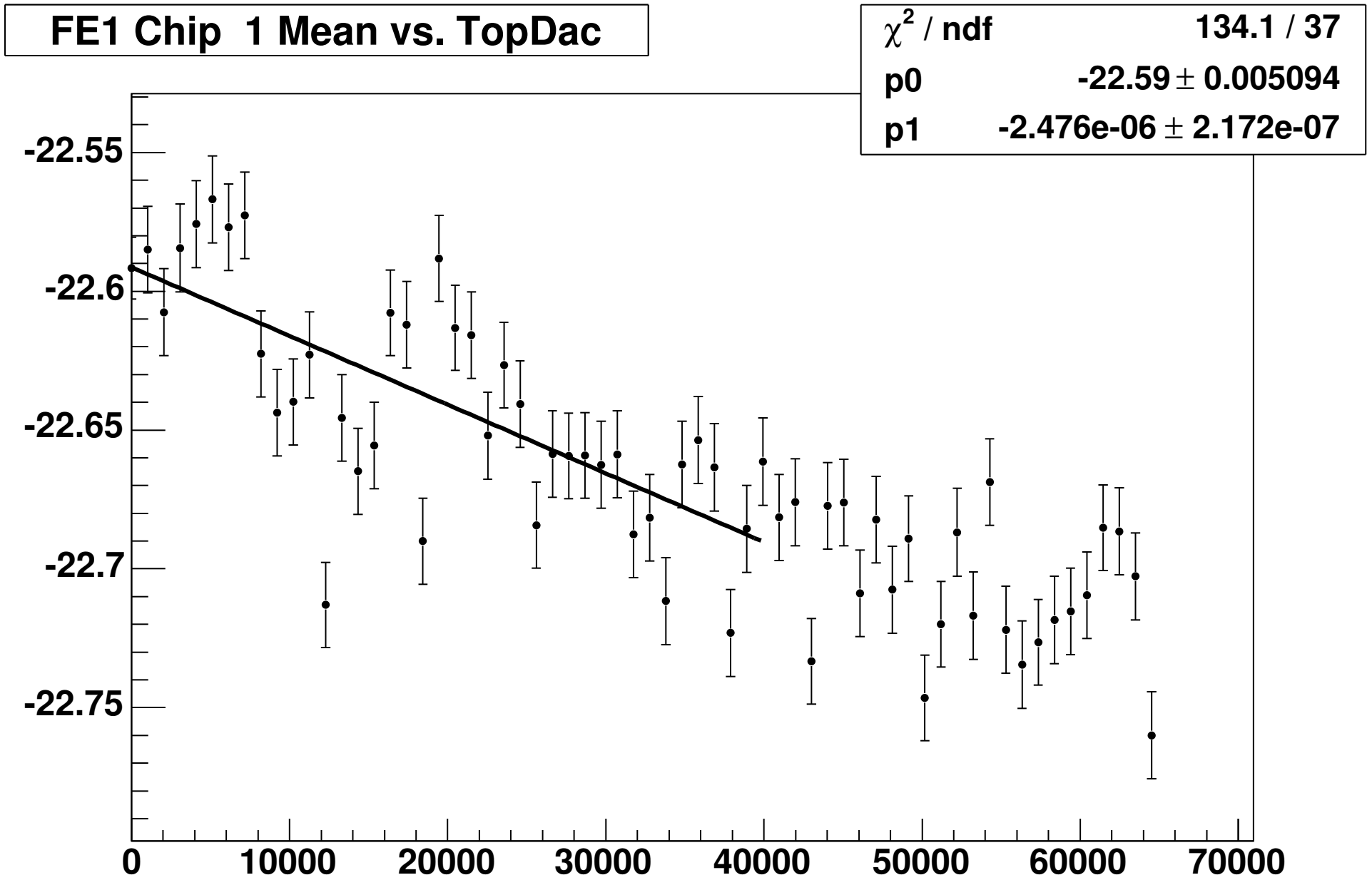
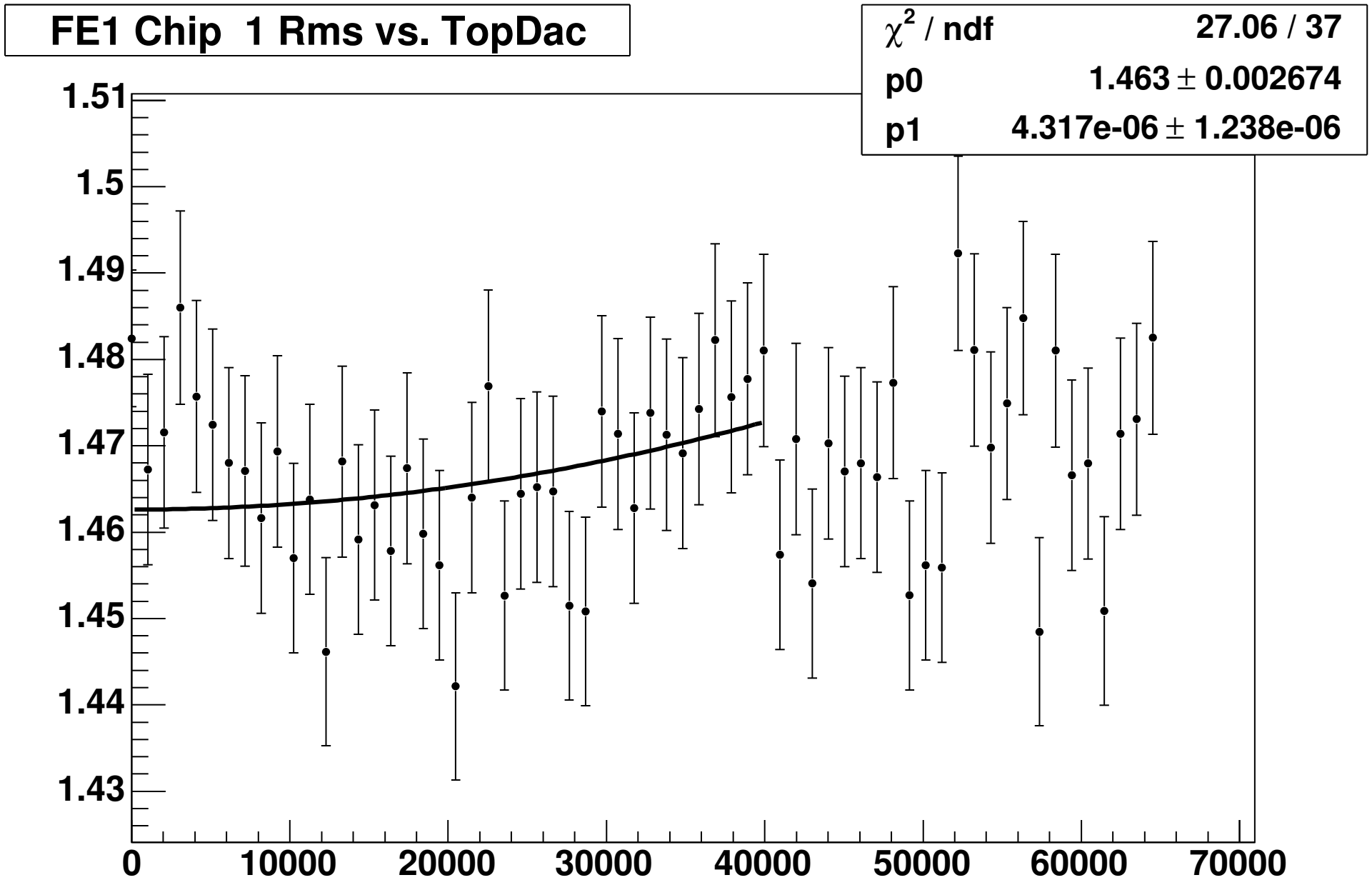
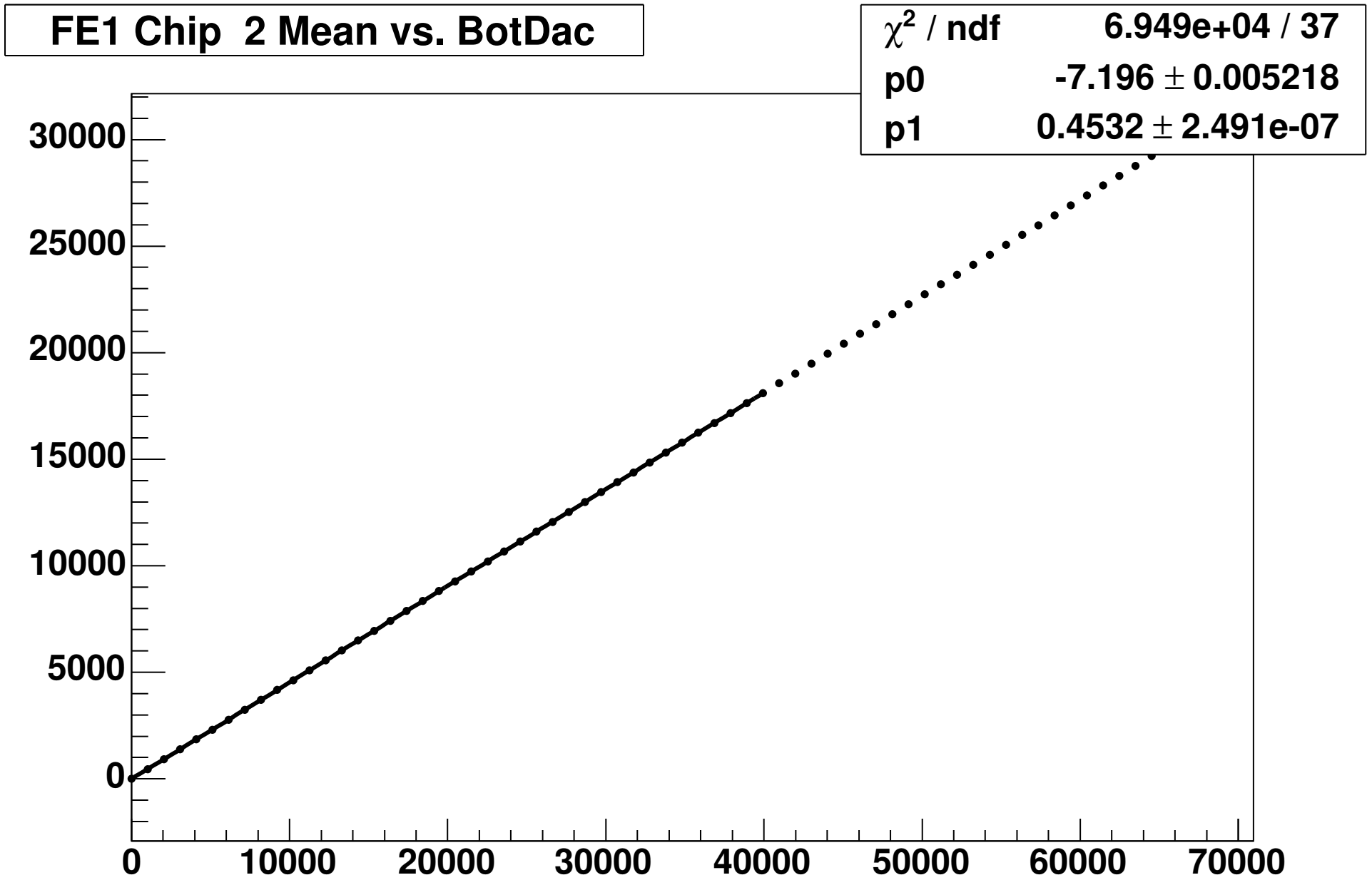
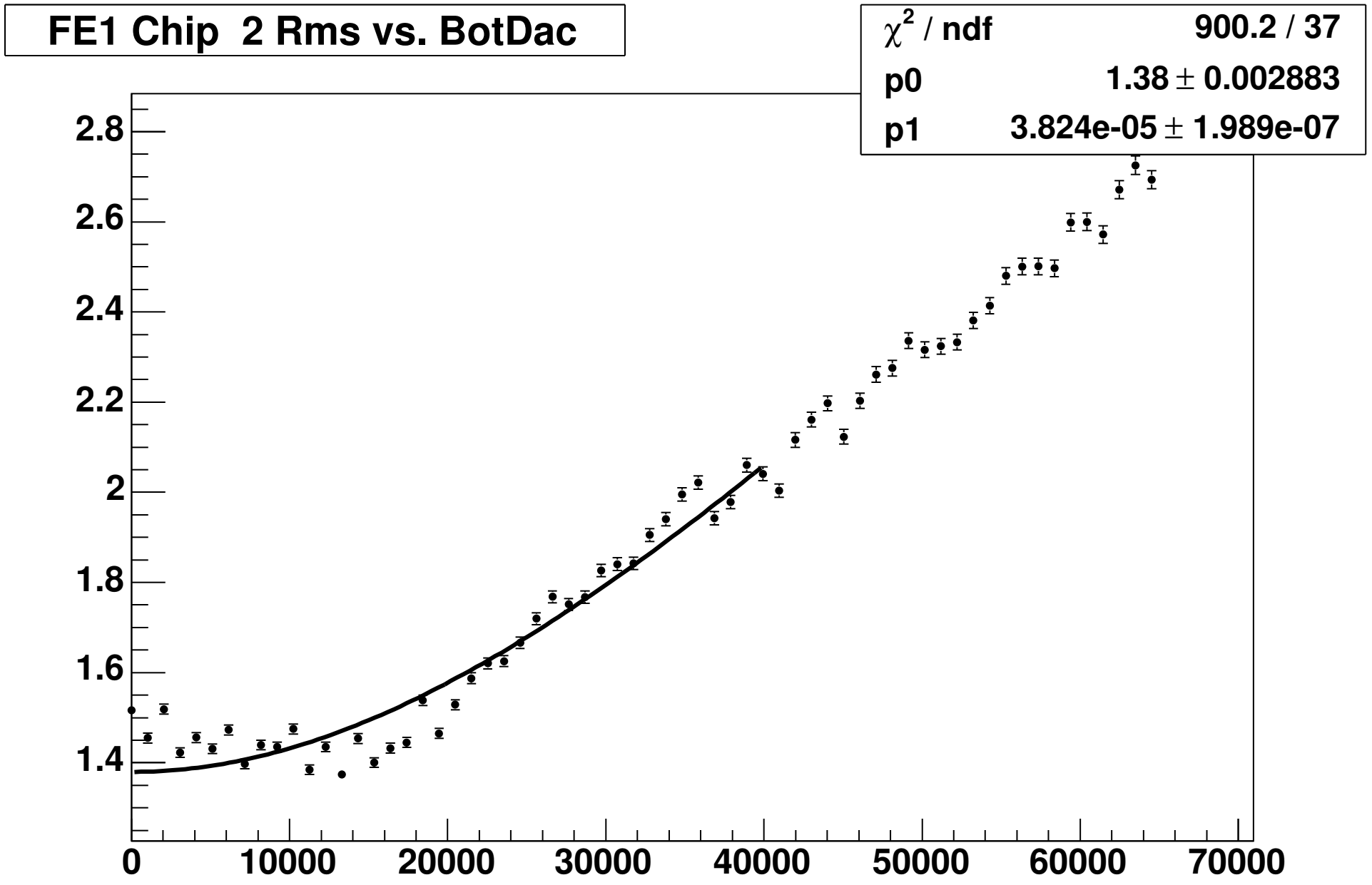

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 4.831e+04 / 37
p0 -23.88 ± 0.005211
p1 0.4525 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

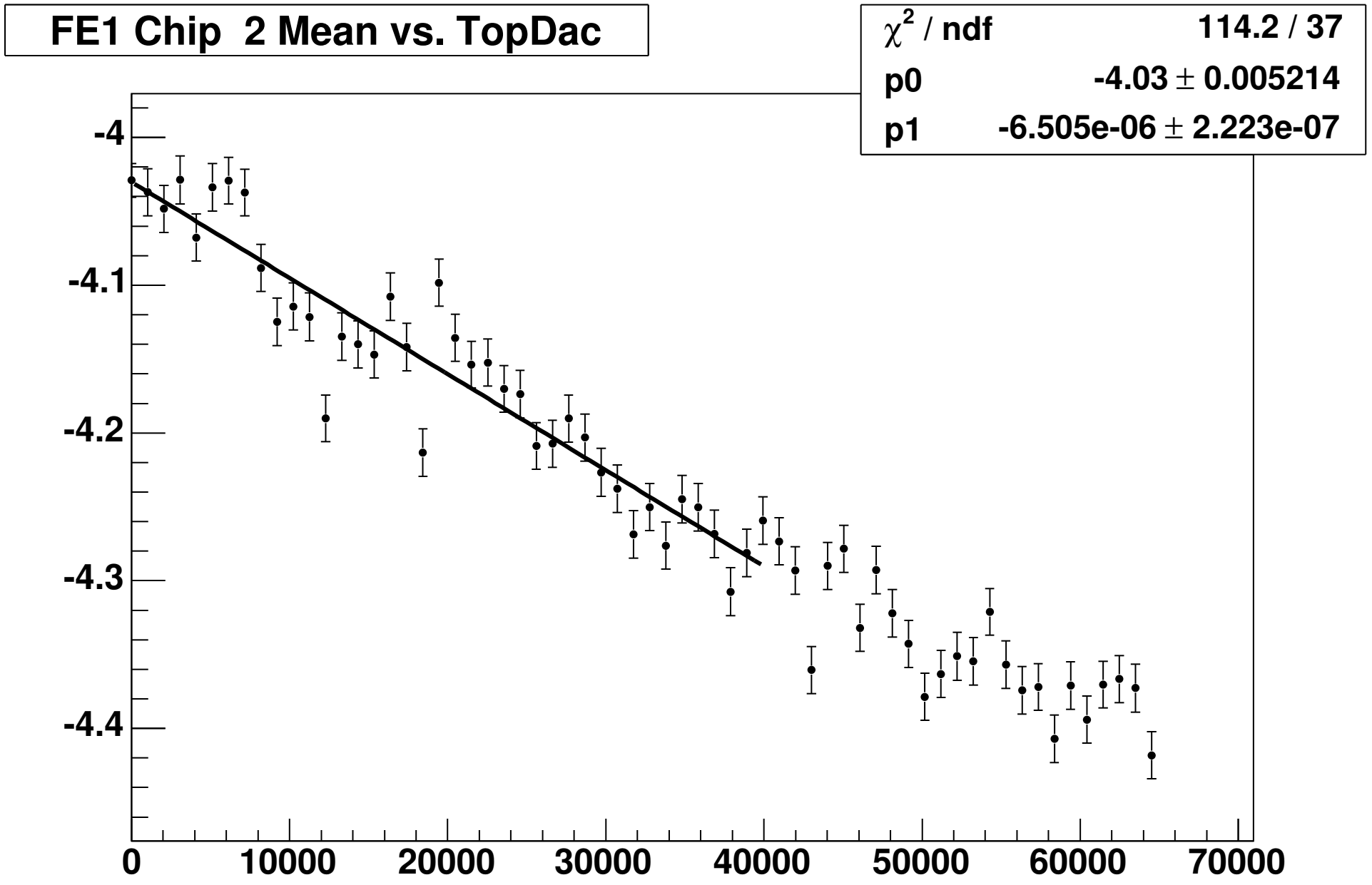

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 506.8 / 37
p0 1.39 ± 0.002864
p1 3.578e-05 ± 2.052e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

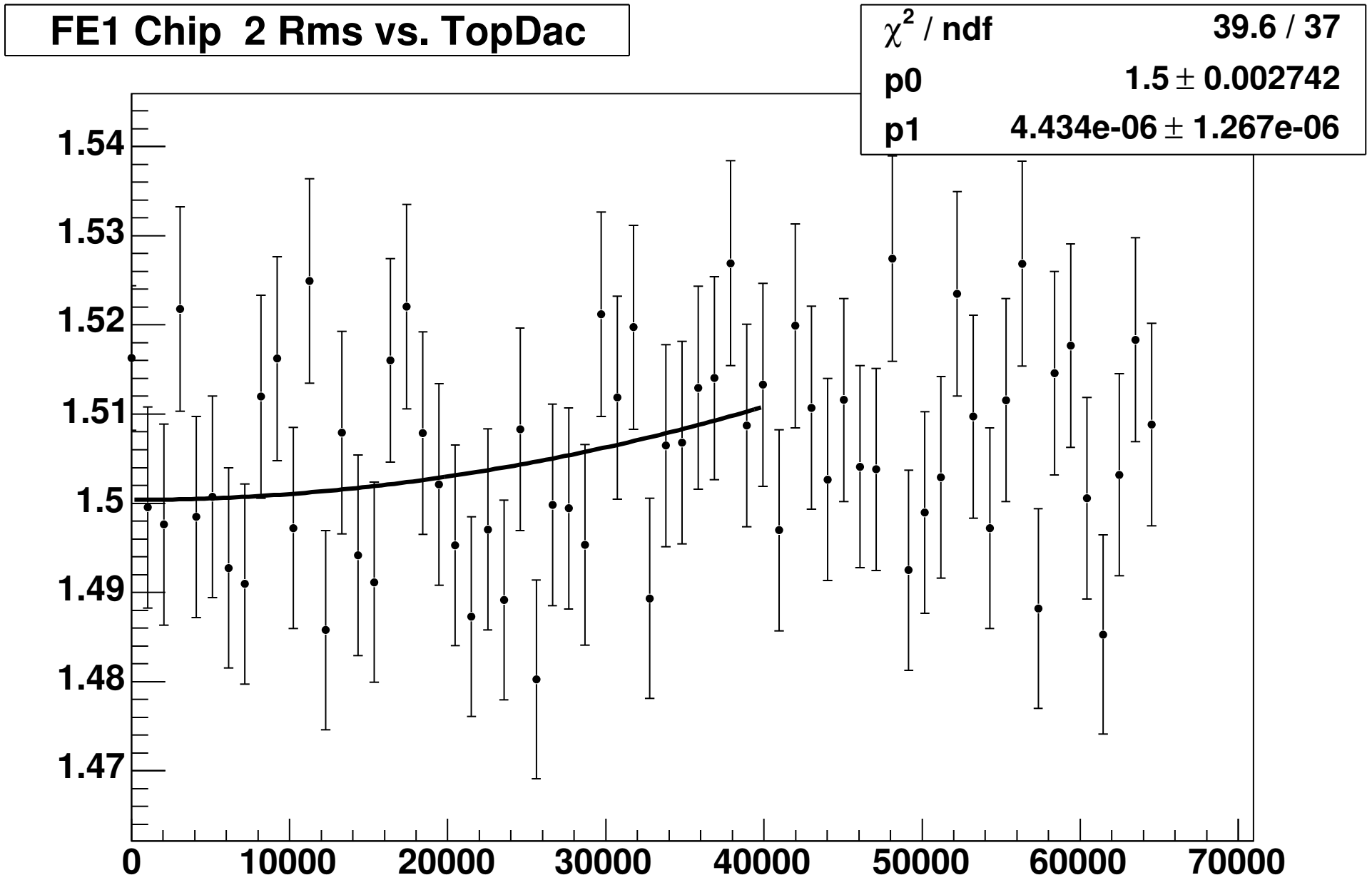

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 134.1 / 37
p0 -22.59 ± 0.005094
p1 -2.476e-06 ± 2.172e-07
-22.55
-22.6
-22.65
-22.7
-22.75
0
10000
20000
30000
40000
50000
60000
70000

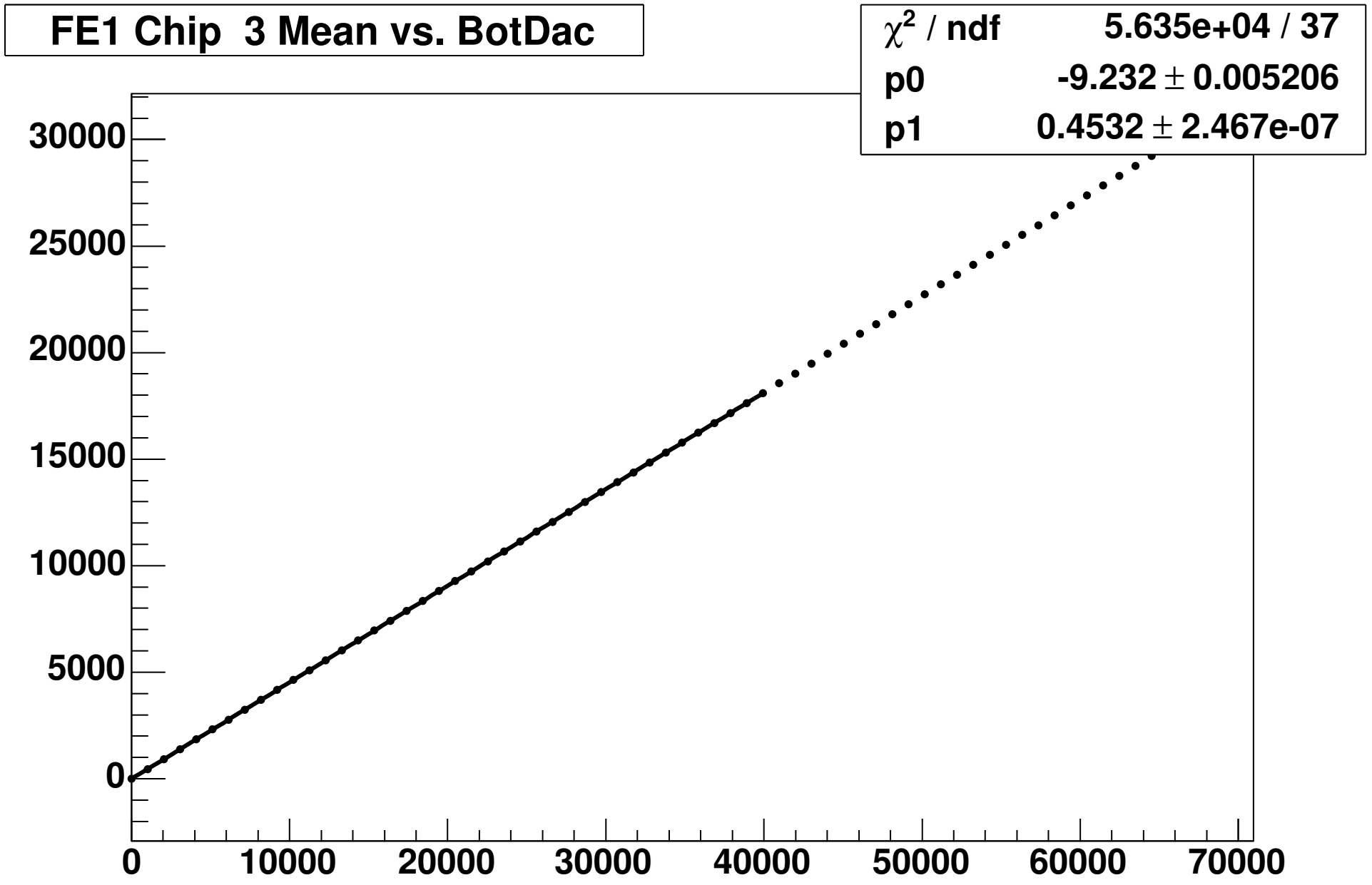

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 27.06 / 37
p0 1.463 ± 0.002674
p1 4.317e-06 ± 1.238e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

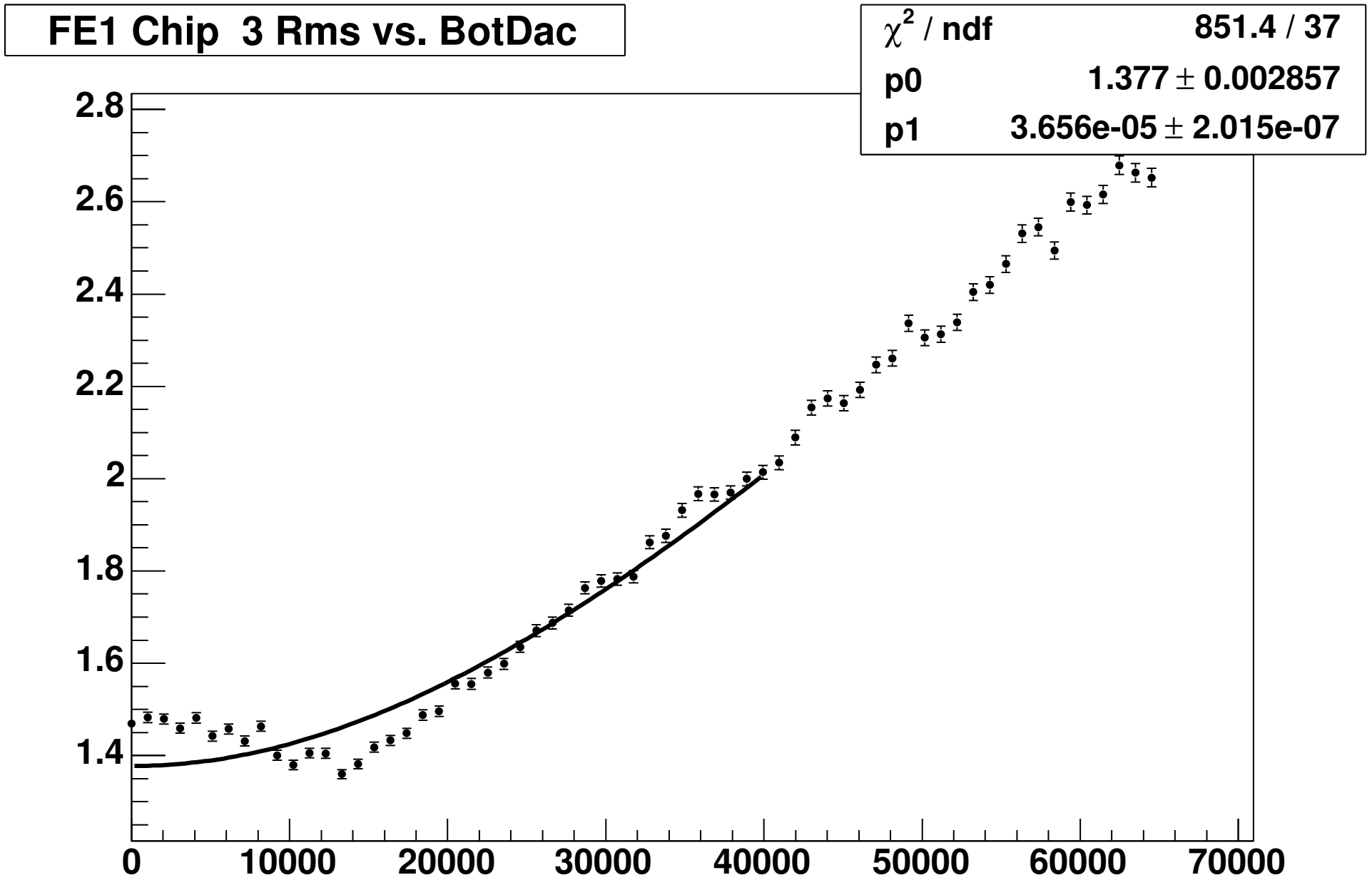

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.949e+04 / 37
p0 -7.196 ± 0.005218
p1 0.4532 ± 2.491e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 900.2 / 37
p0 1.38 ± 0.002883
p1 3.824e-05 ± 1.989e-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 2 Mean vs. TopDac
χ² / ndf 114.2 / 37
p0 -4.03 ± 0.005214
p1 -6.505e-06 ± 2.223e-07
-4
-4.1
-4.2
-4.3
-4.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 39.6 / 37
p0 1.5 ± 0.002742
p1 4.434e-06 ± 1.267e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 5.635e+04 / 37
p0 -9.232 ± 0.005206
p1 0.4532 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 851.4 / 37
p0 1.377 ± 0.002857
p1 3.656e-05 ± 2.015e-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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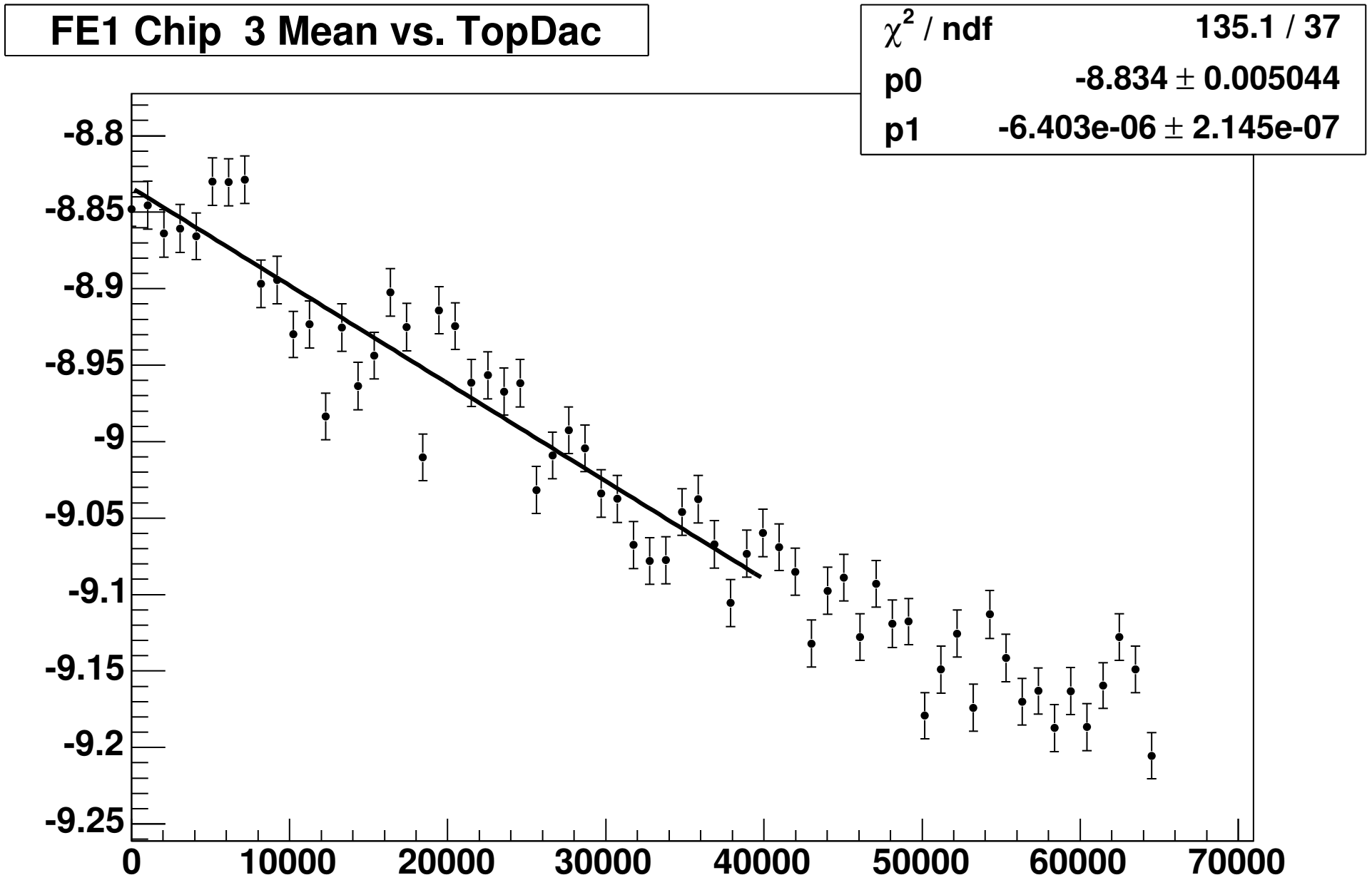
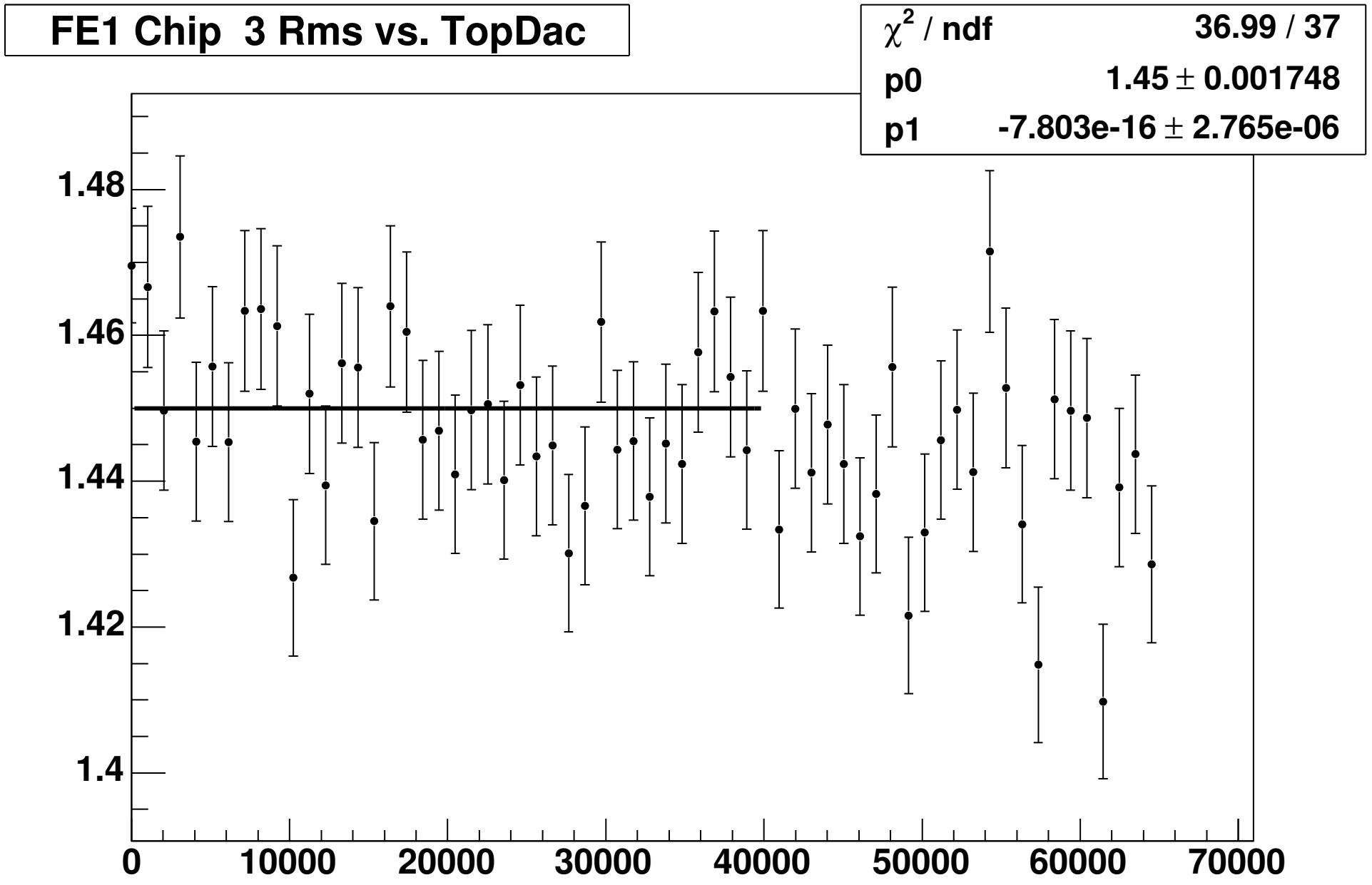
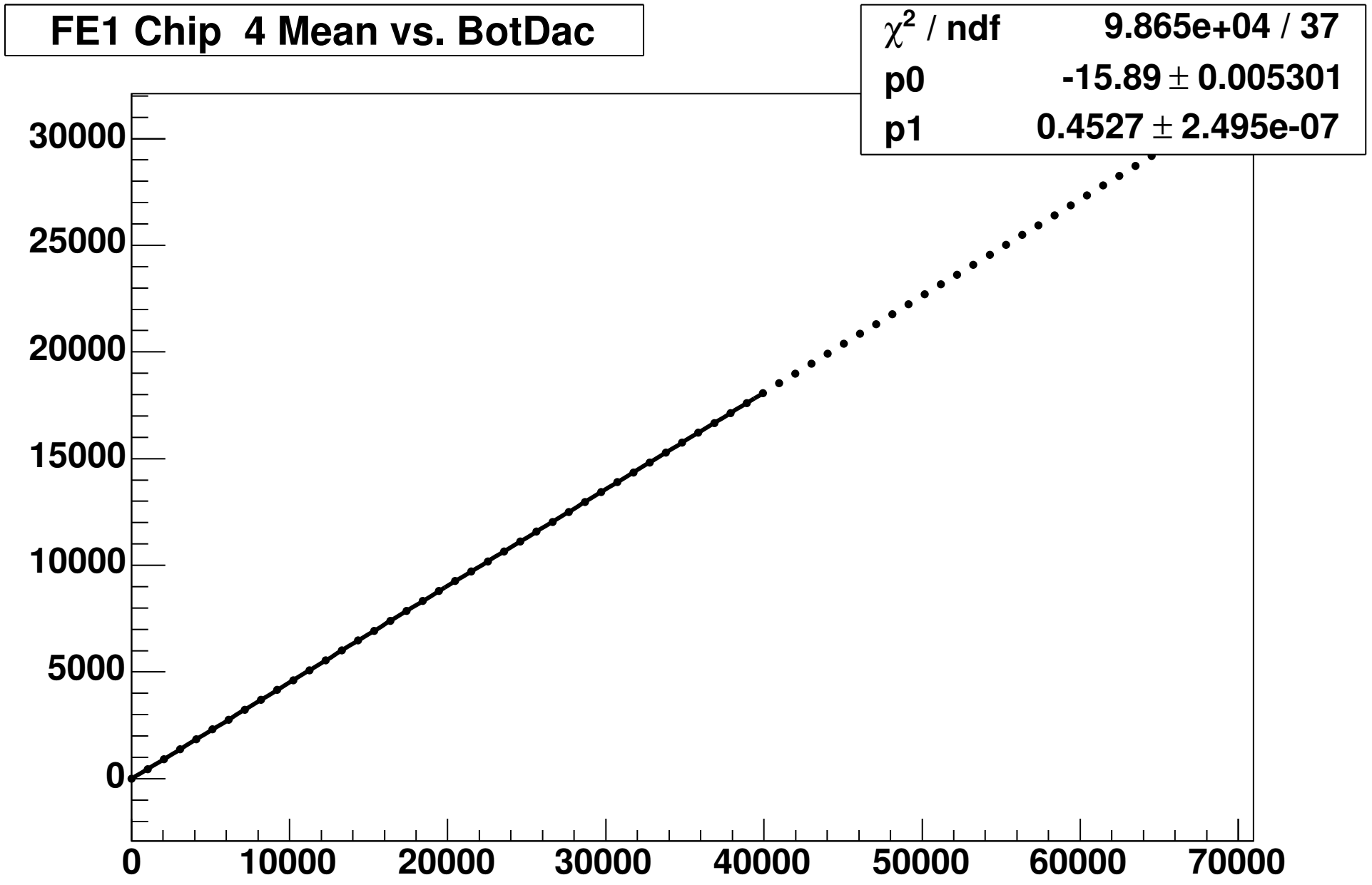

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 135.1 / 37
p0 -8.834 ± 0.005044
p1 -6.403e-06 ± 2.145e-07
-8.8
-8.85
-8.9
-8.95
-9
-9.05
-9.1
-9.15
-9.2
-9.25
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 36.99 / 37
p0 1.45 ± 0.001748
p1 -7.803e-16 ± 2.765e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 9.865e+04 / 37
p0 -15.89 ± 0.005301
p1 0.4527 ± 2.495e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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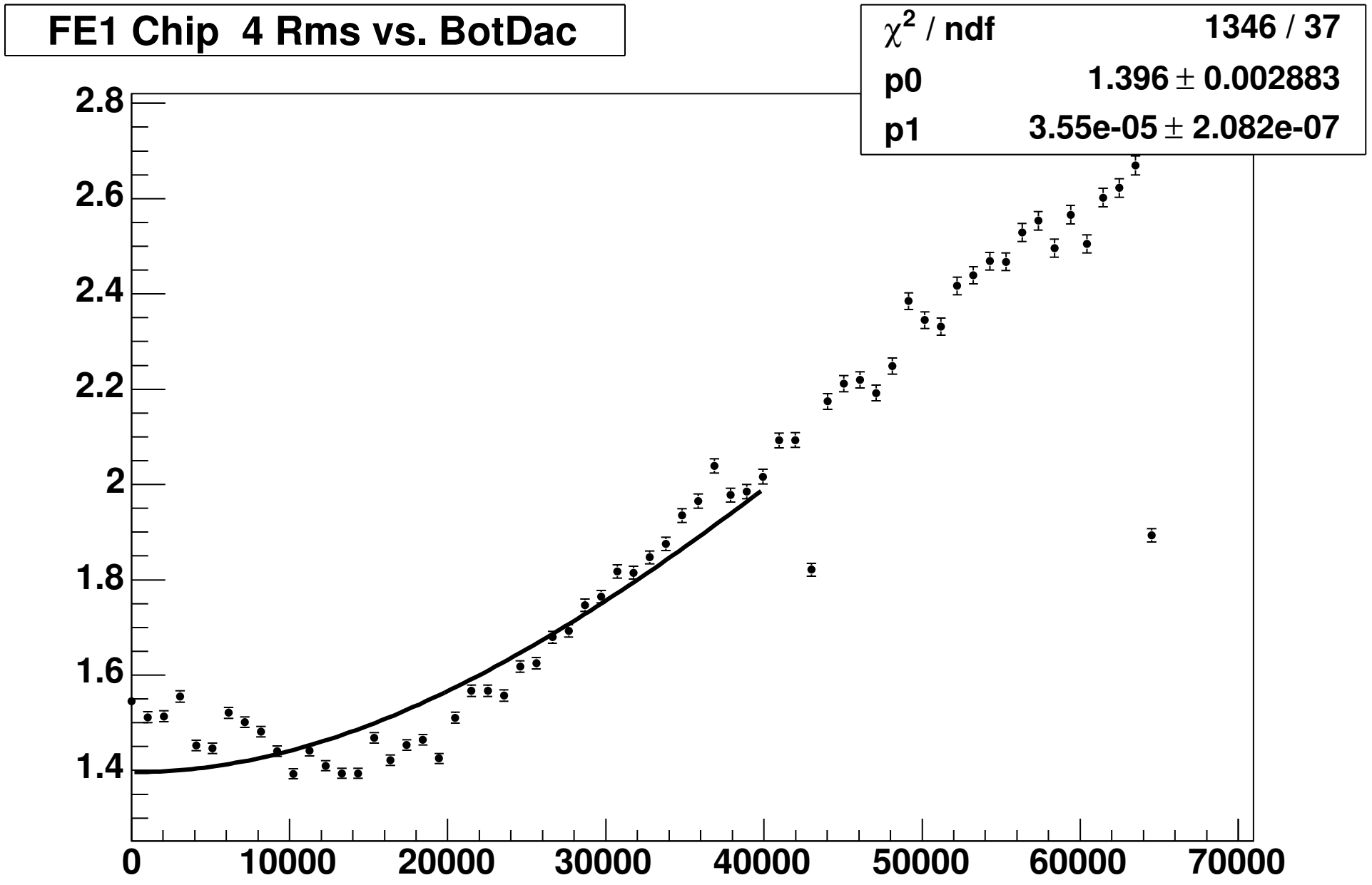
FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1346 / 37
p0 1.396 ± 0.002883
p1 3.55e-05 ± 2.082e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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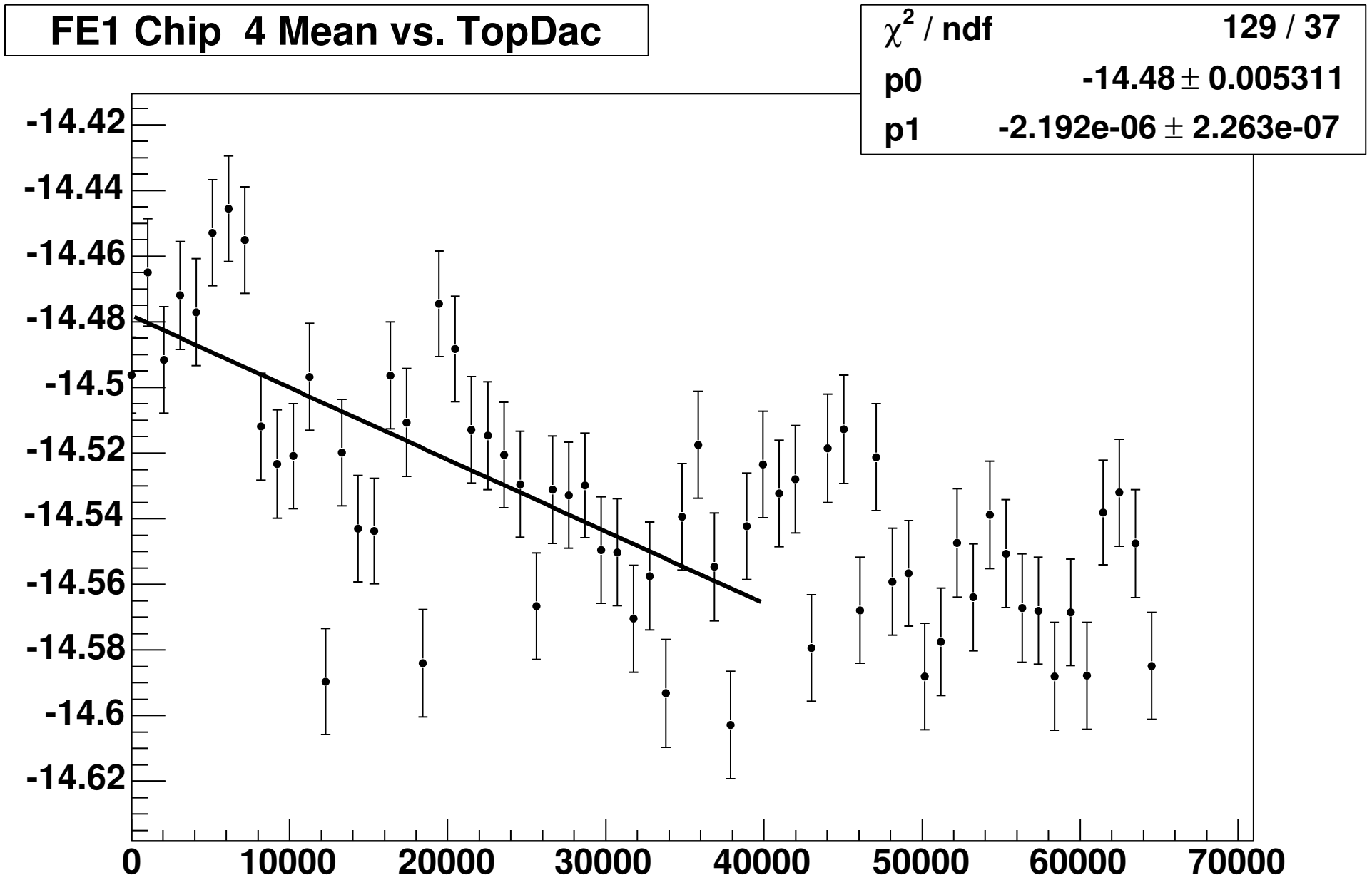
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 129 / 37
p0 -14.48 ± 0.005311
p1 -2.192e-06 ± 2.263e-07
-14.42
-14.44
-14.46
-14.48
-14.5
-14.52
-14.54
-14.56
-14.58
-14.6
-14.62
0
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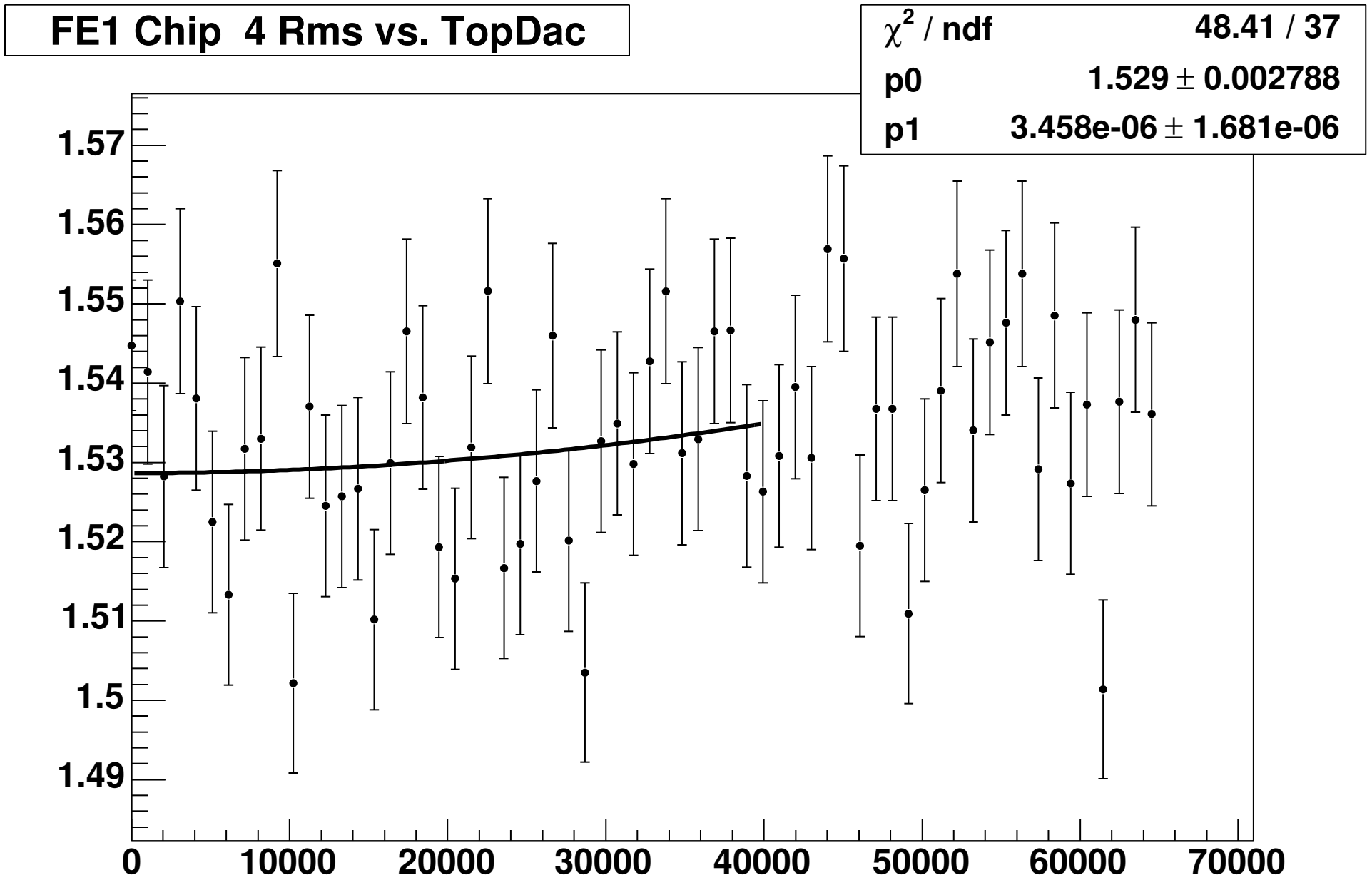
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 48.41 / 37
p0 1.529 ± 0.002788
p1 3.458e-06 ± 1.681e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
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50000
60000
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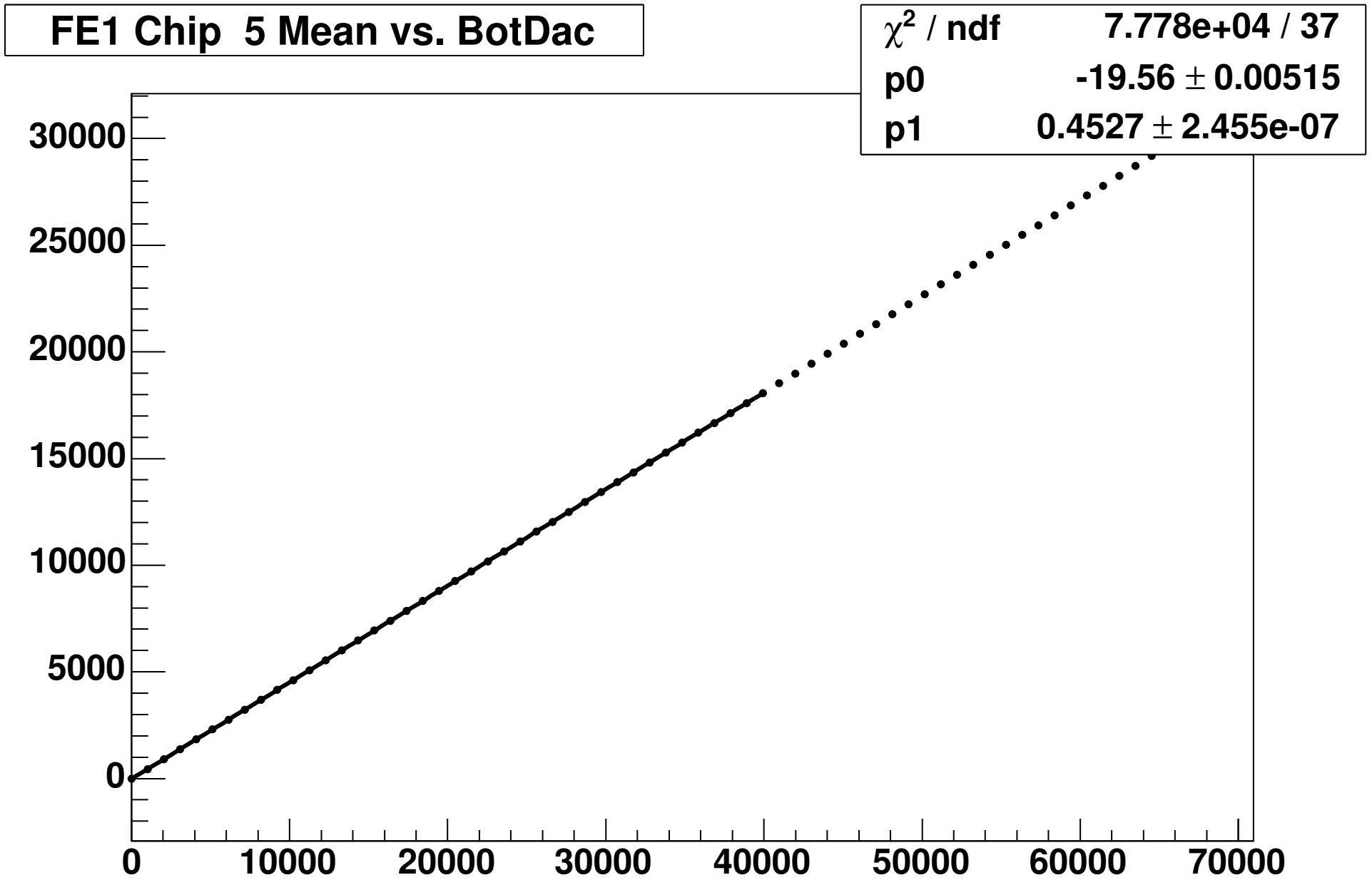
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 7.778e+04 / 37
p0 -19.56 ± 0.00515
p1 0.4527 ± 2.455e-07
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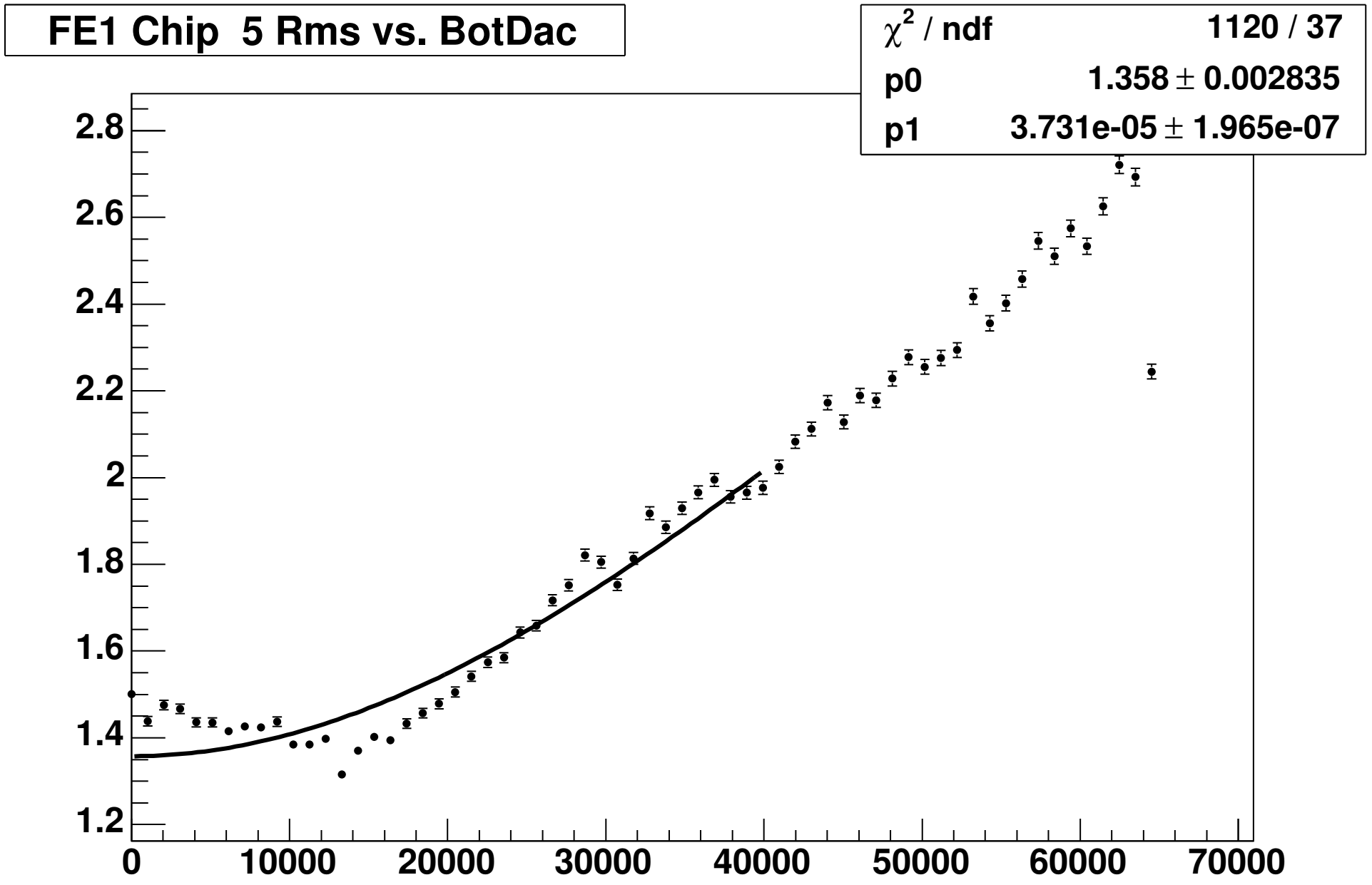
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1120 / 37
p0 1.358 ± 0.002835
p1 3.731e-05 ± 1.965e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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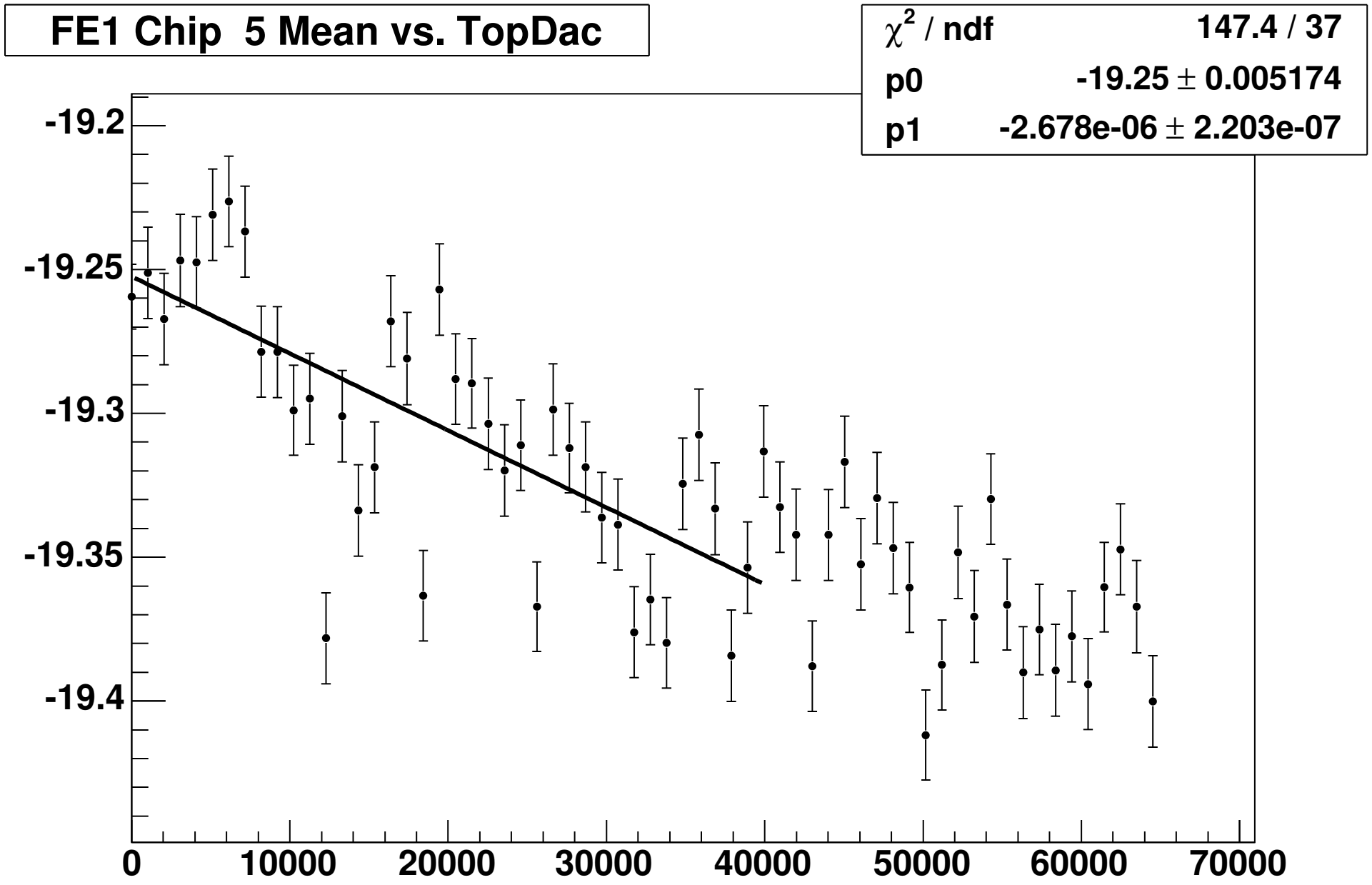
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 147.4 / 37
p0 -19.25 ± 0.005174
p1 -2.678e-06 ± 2.203e-07
-19.2
-19.25
-19.3
-19.35
-19.4
0
10000
20000
30000
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50000
60000
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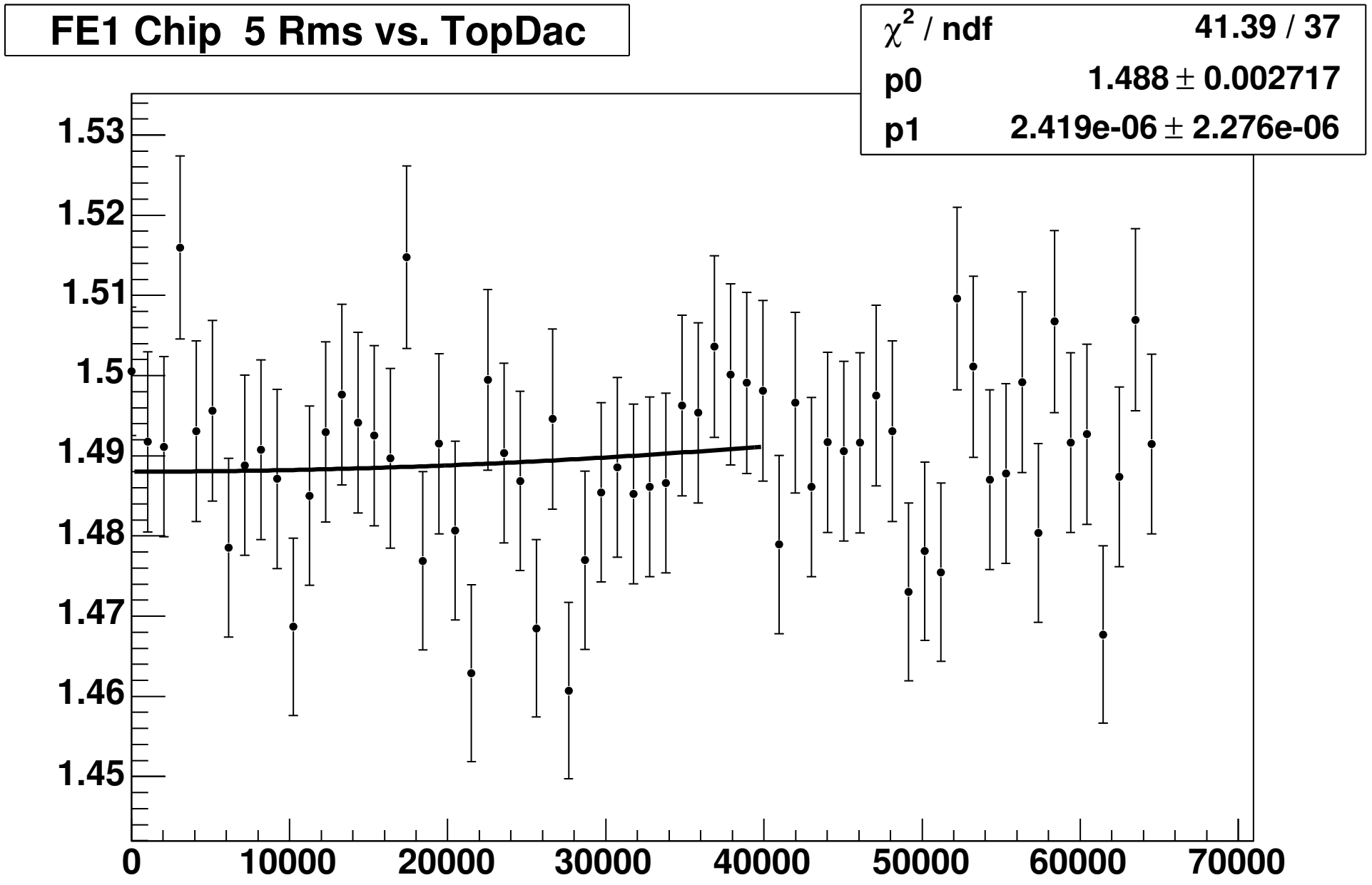
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 41.39 / 37
p0 1.488 ± 0.002717
p1 2.419e-06 ± 2.276e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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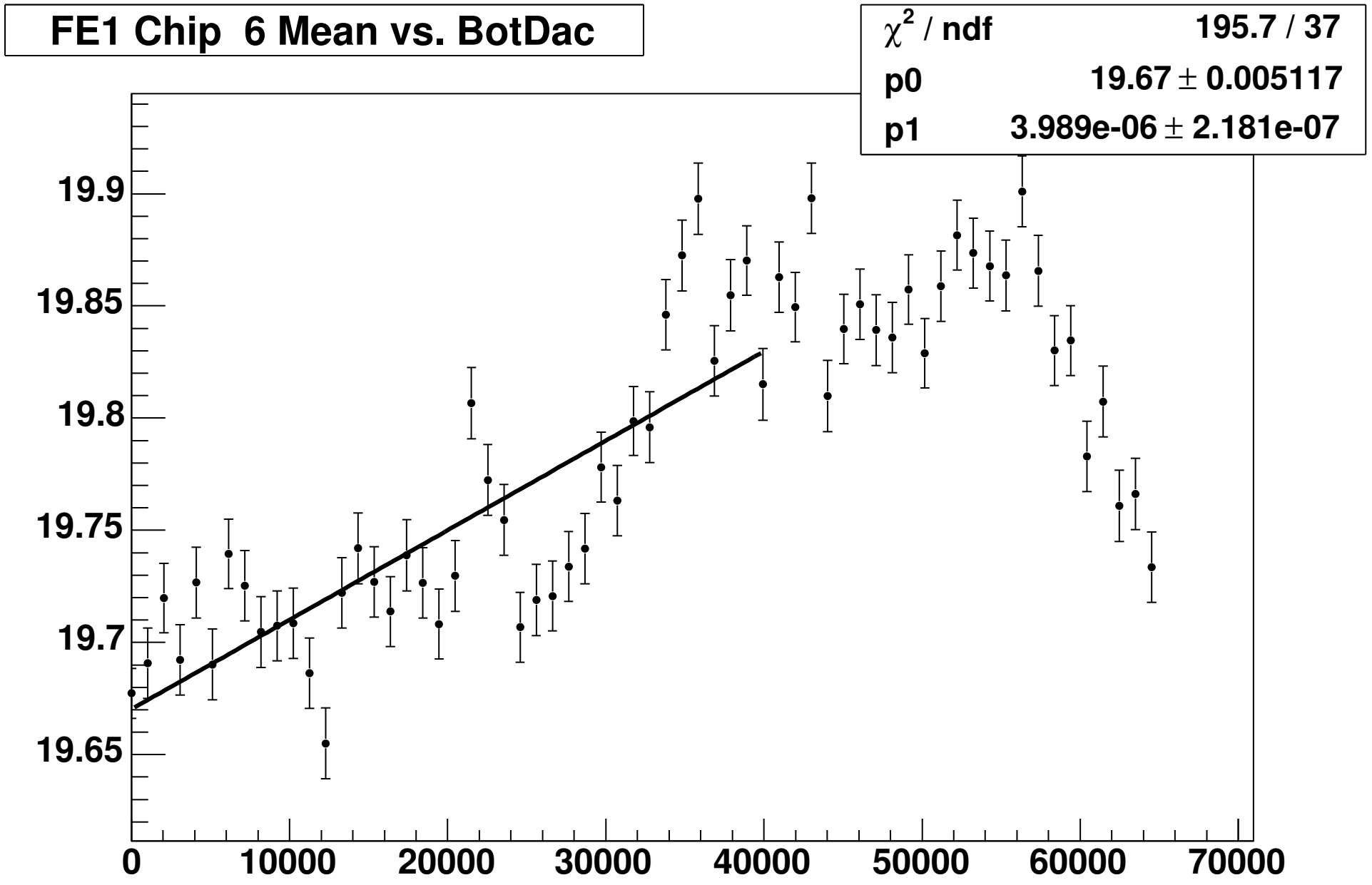
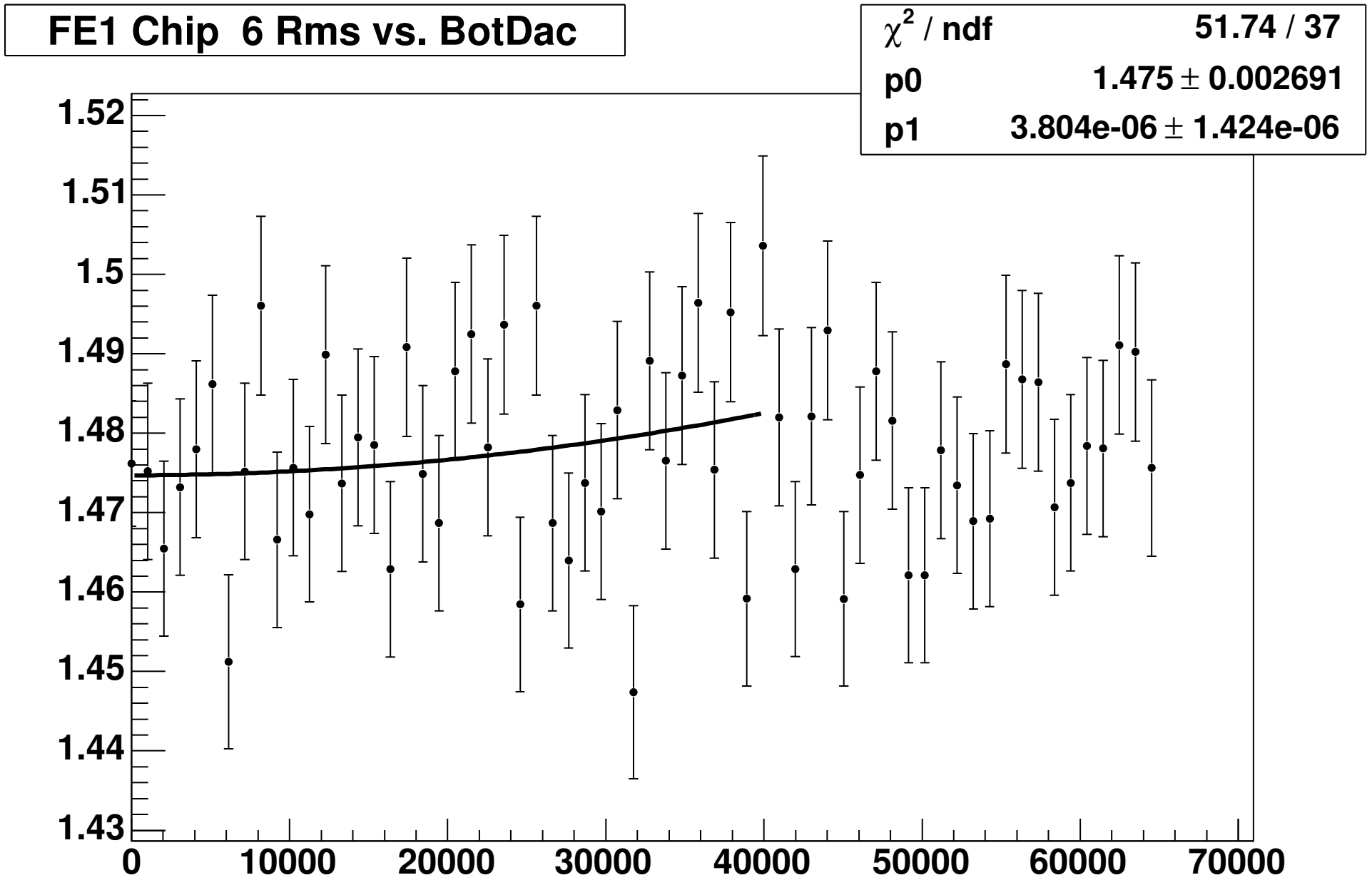

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 195.7 / 37
p0 19.67 ± 0.005117
p1 3.989e-06 ± 2.181e-07
19.9
19.85
19.8
19.75
19.7
19.65
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 51.74 / 37
p0 1.475 ± 0.002691
p1 3.804e-06 ± 1.424e-06
1.52
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
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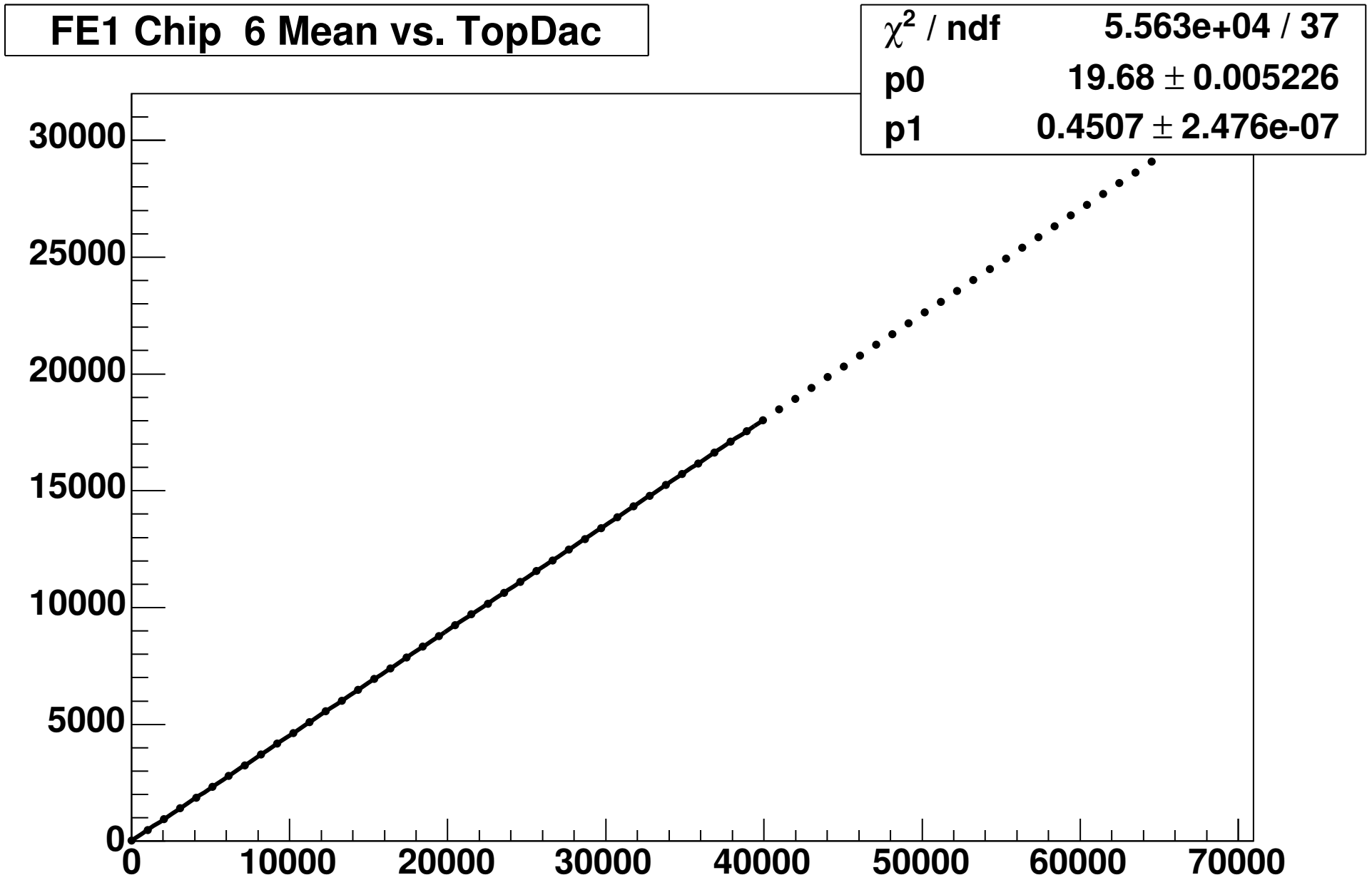
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 5.563e+04 / 37
p0 19.68 ± 0.005226
p1 0.4507 ± 2.476e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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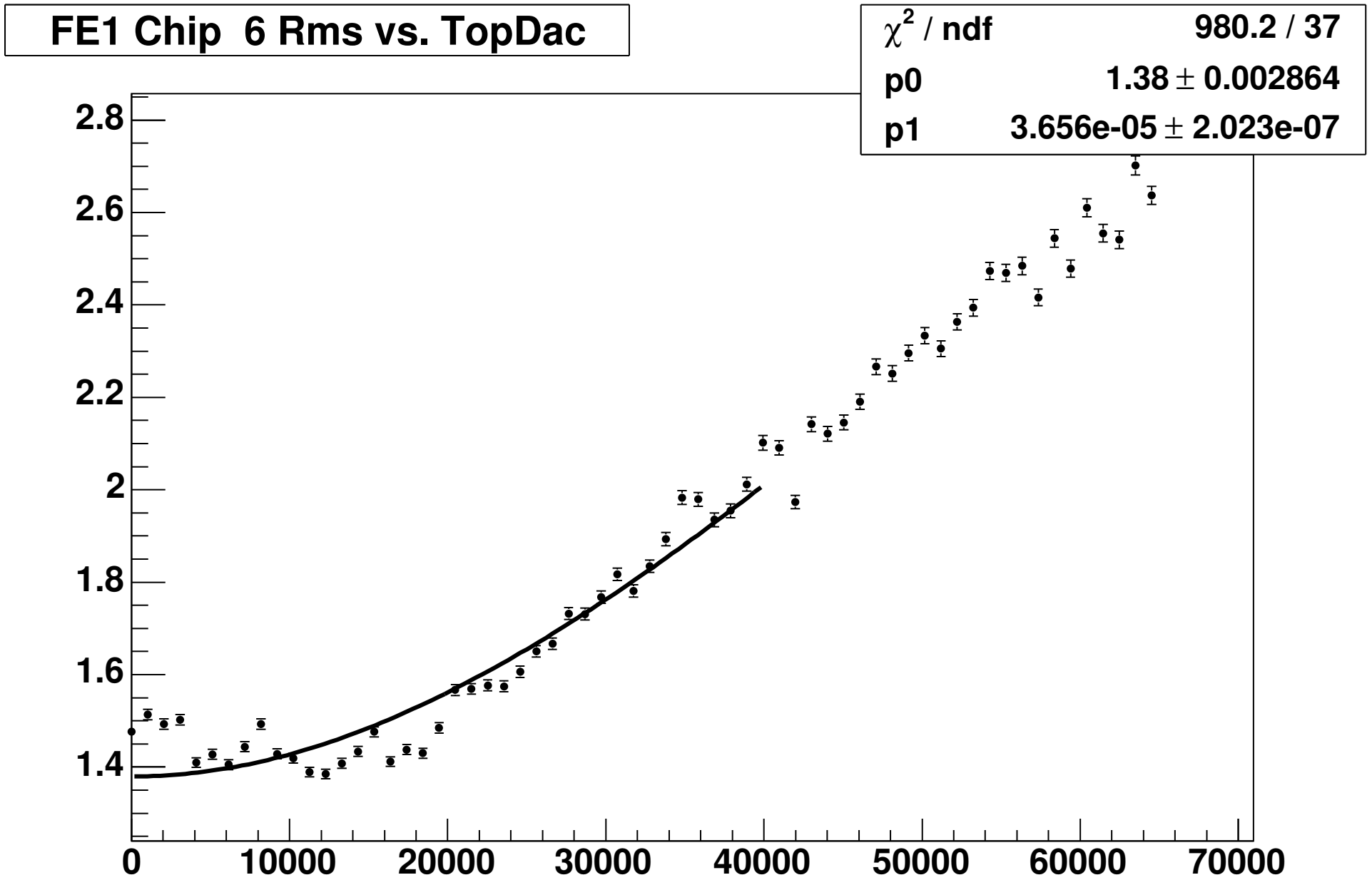
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 980.2 / 37
p0 1.38 ± 0.002864
p1 3.656e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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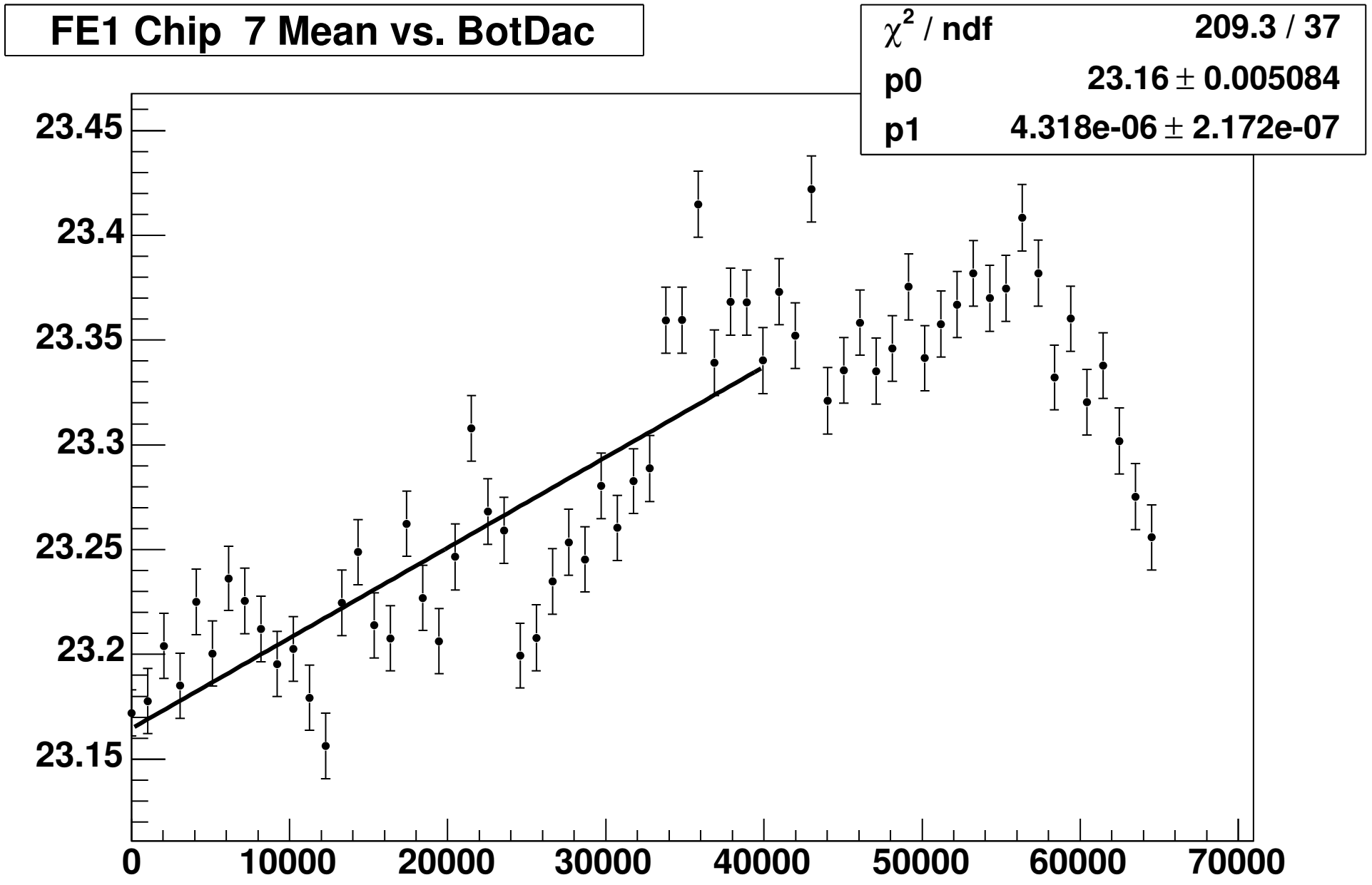
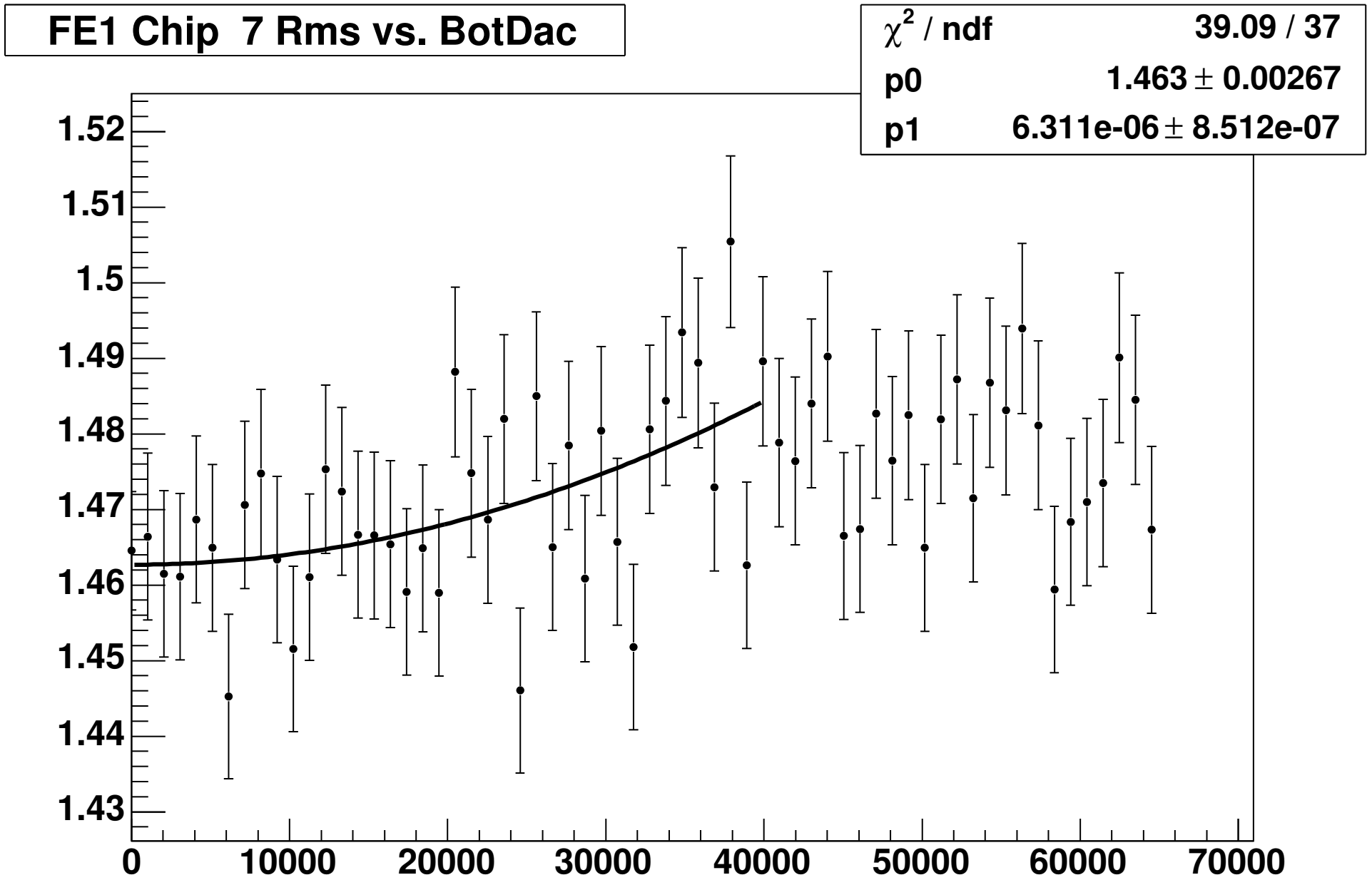
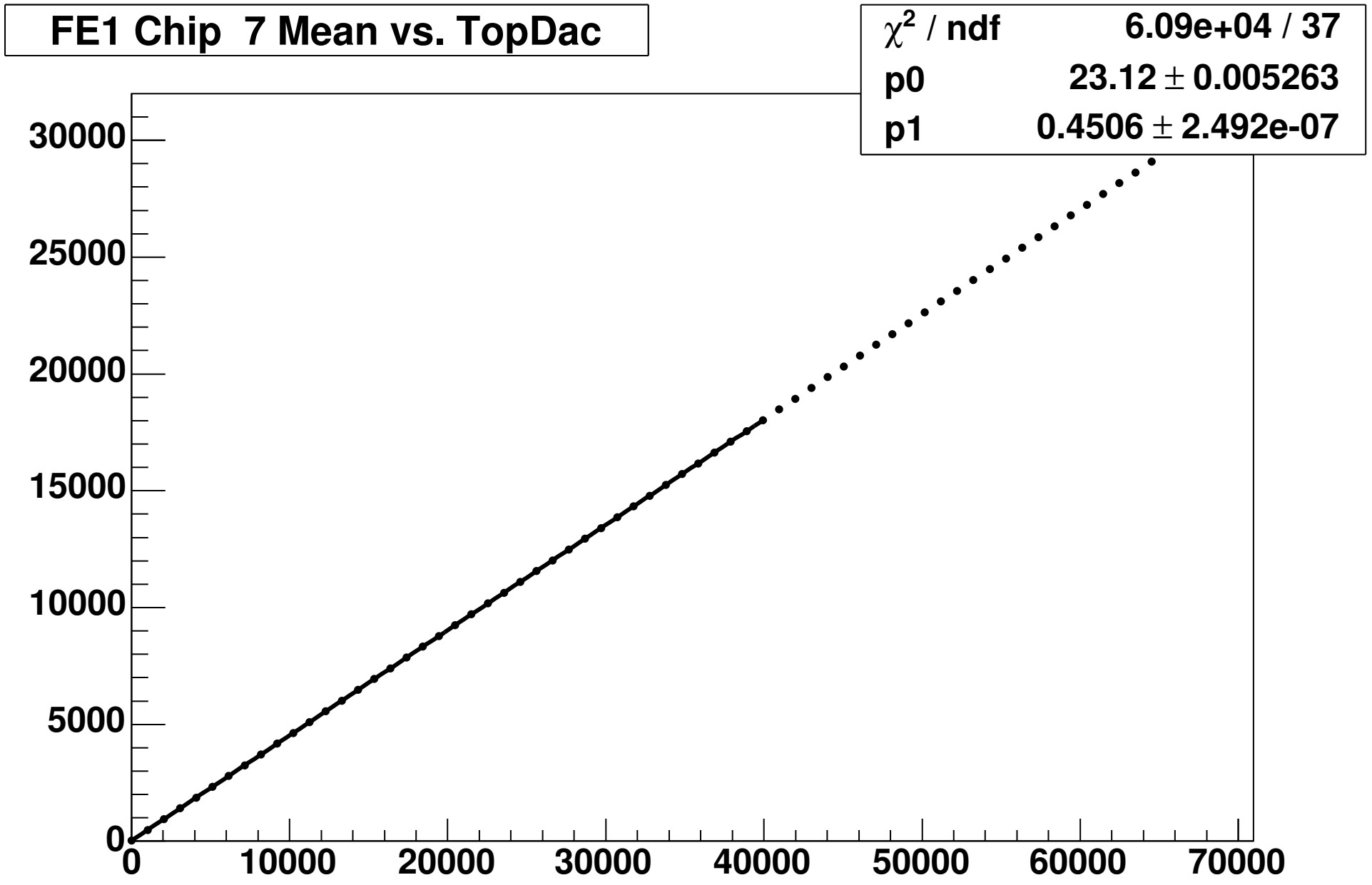
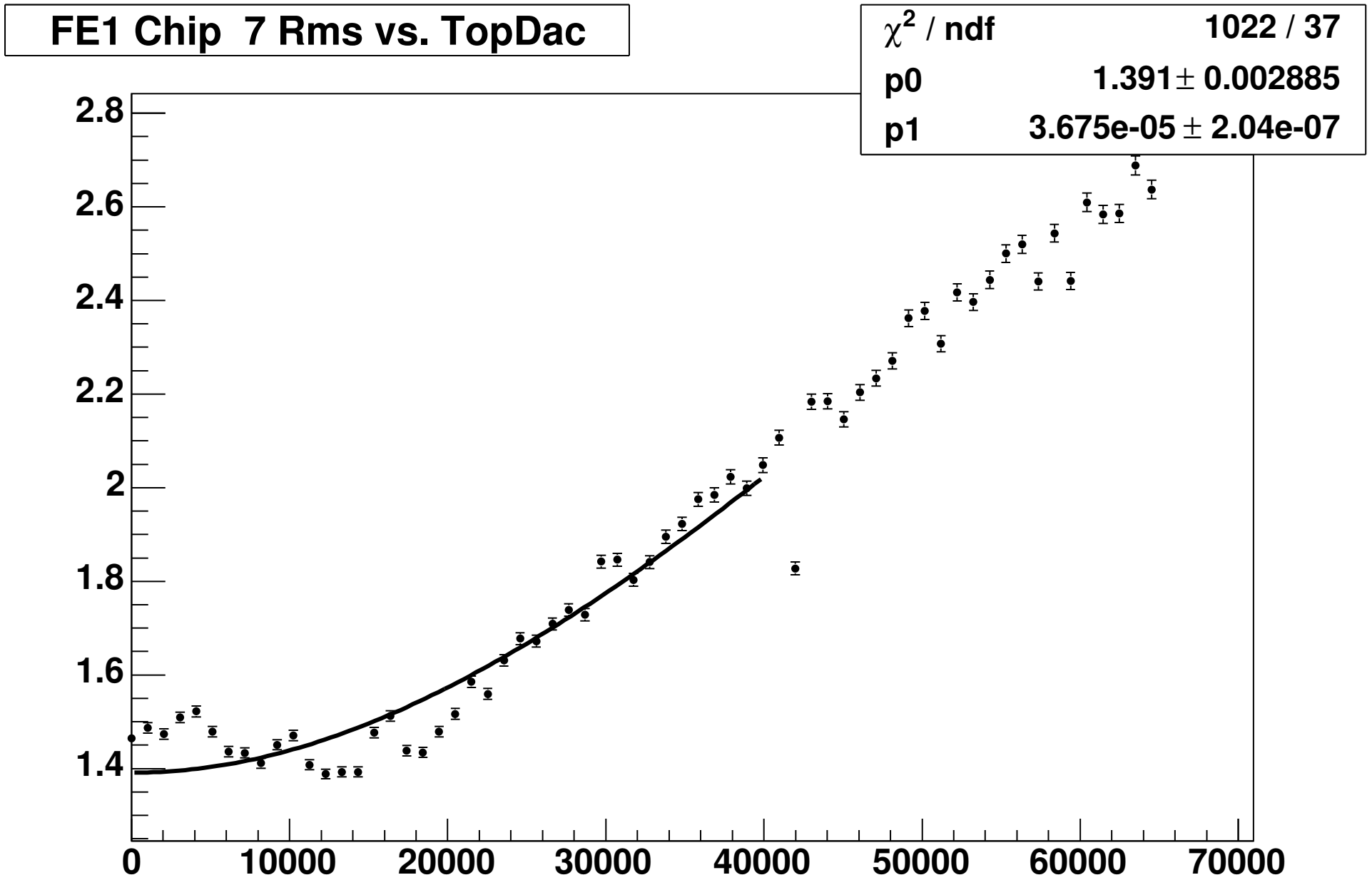

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 209.3 / 37
p0 23.16 ± 0.005084
p1 4.318e-06 ± 2.172e-07
23.45
23.4
23.35
23.3
23.25
23.2
23.15
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 39.09 / 37
p0 1.463 ± 0.00267
p1 6.311e-06 ± 8.512e-07
1.52
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


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 6.09e+04 / 37
p0 23.12 ± 0.005263
p1 0.4506 ± 2.492e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1022 / 37
p0 1.391 ± 0.002885
p1 3.675e-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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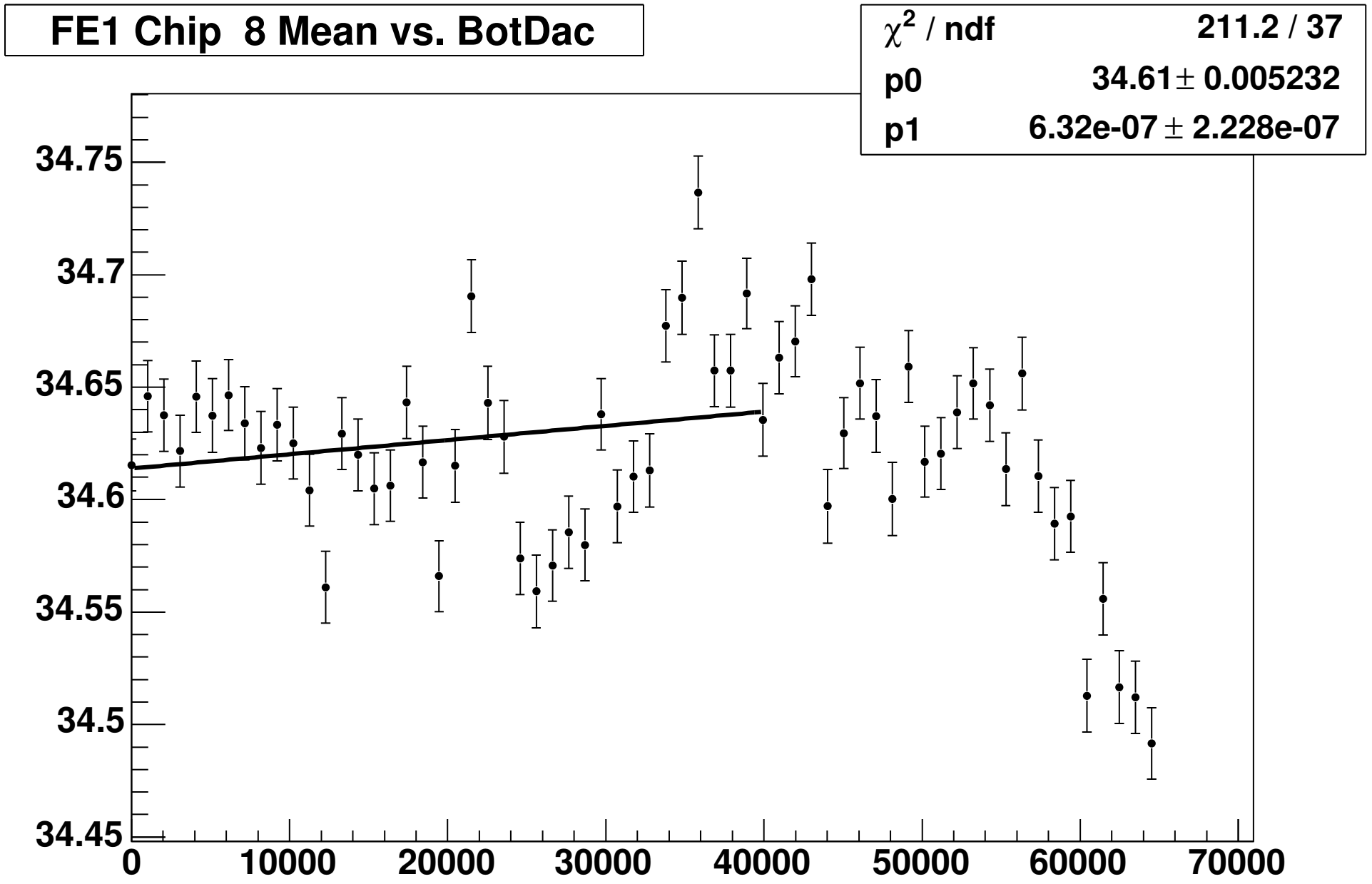
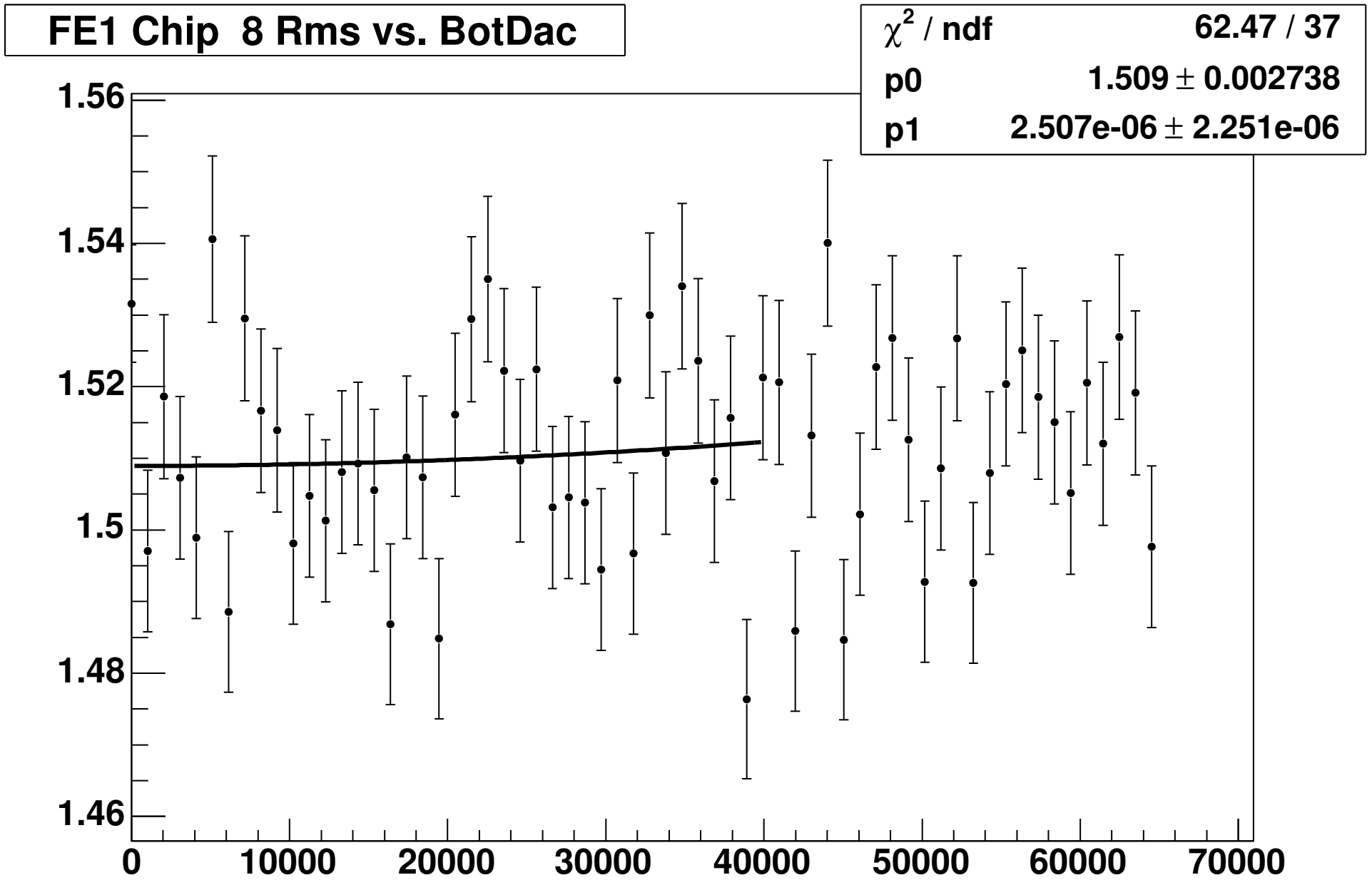
40000
50000
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 211.2 / 37
p0 34.61 ± 0.005232
p1 6.32e-07 ± 2.228e-07
34.75
34.7
34.65
34.6
34.55
34.5
34.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 62.47 / 37
p0 1.509 ± 0.002738
p1 2.507e-06 ± 2.251e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
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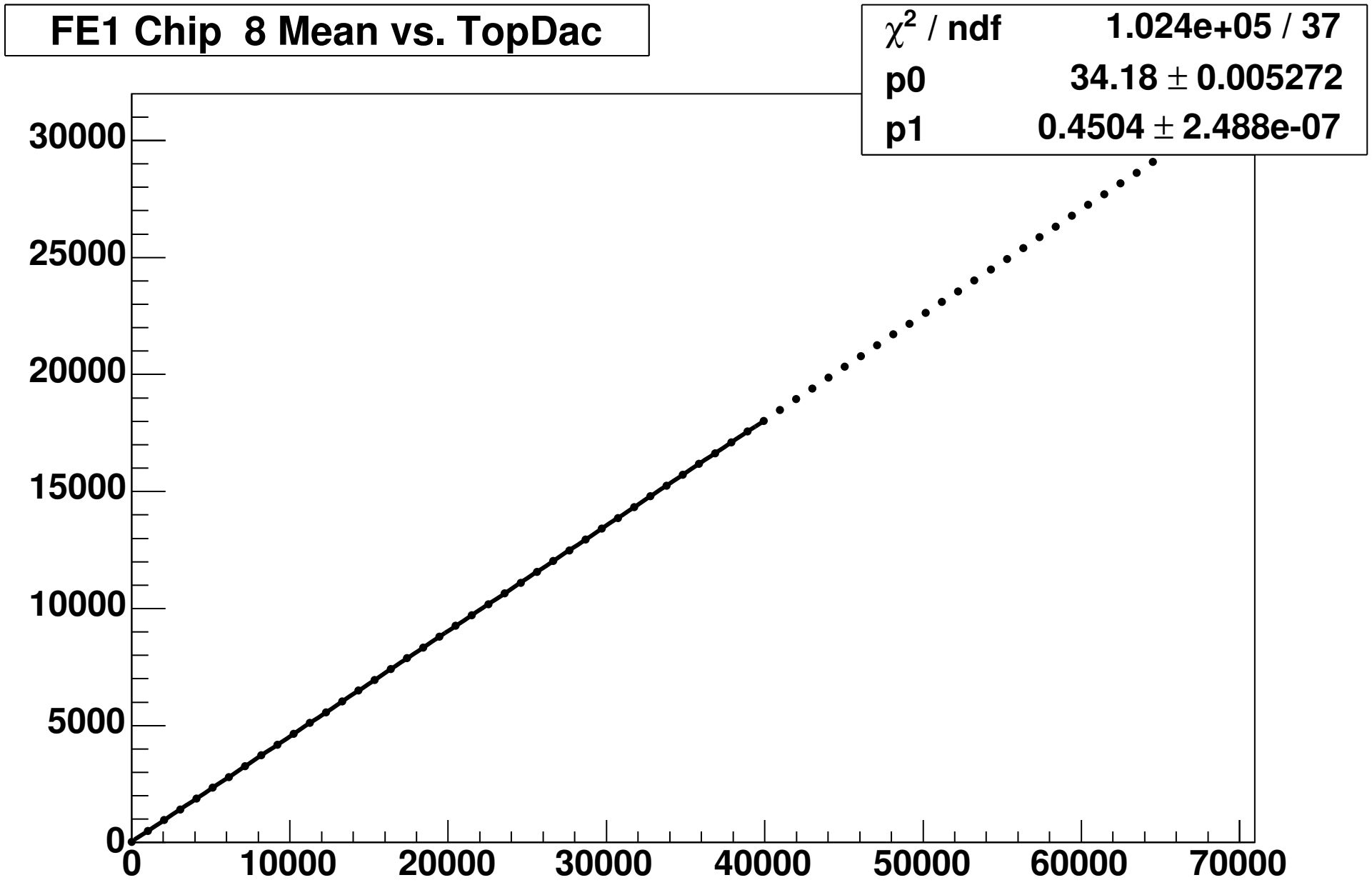
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.024e+05 / 37
p0 34.18 ± 0.005272
p1 0.4504 ± 2.488e-07
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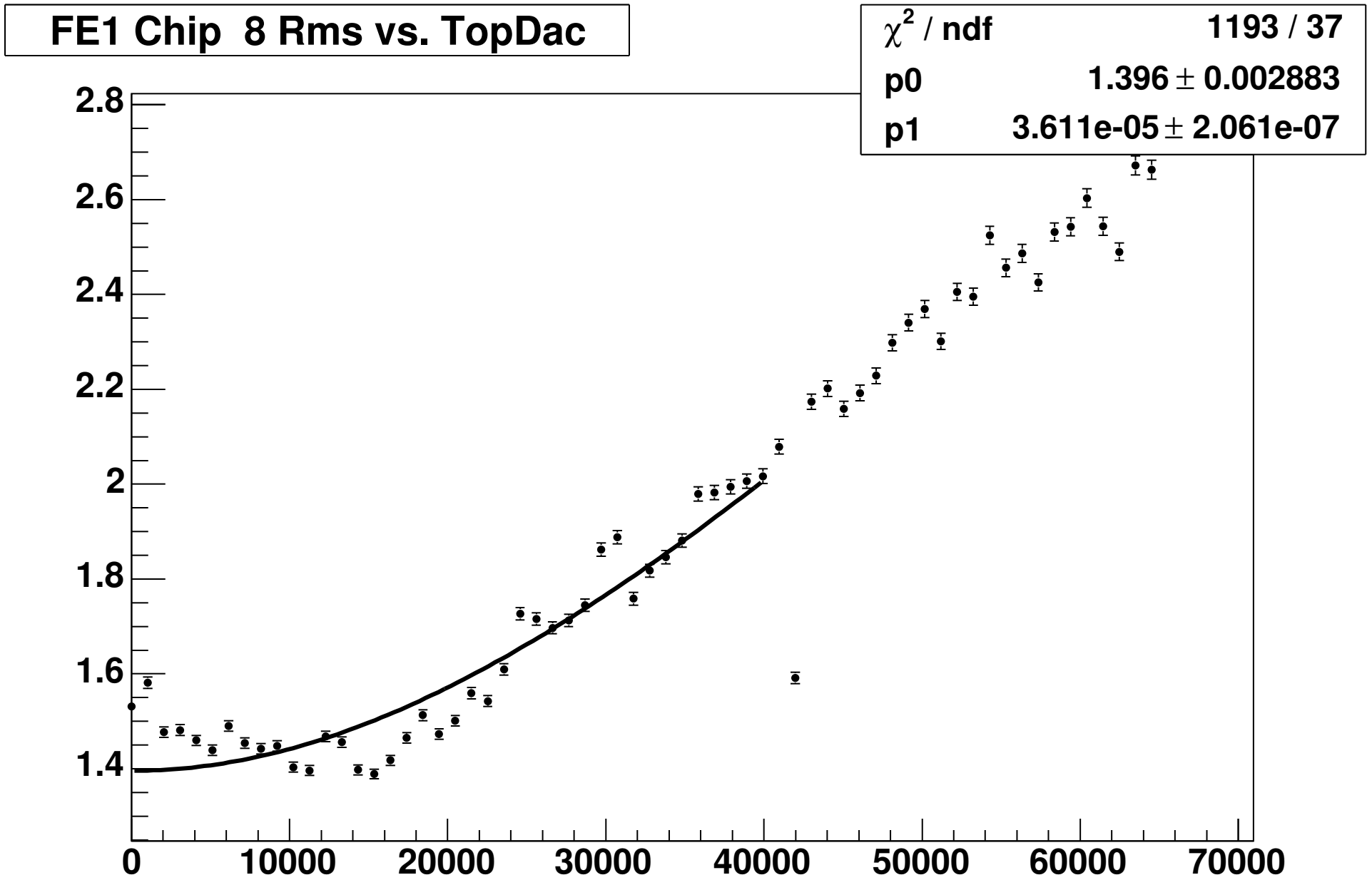
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1193 / 37
p0 1.396 ± 0.002883
p1 3.611e-05 ± 2.061e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
20000
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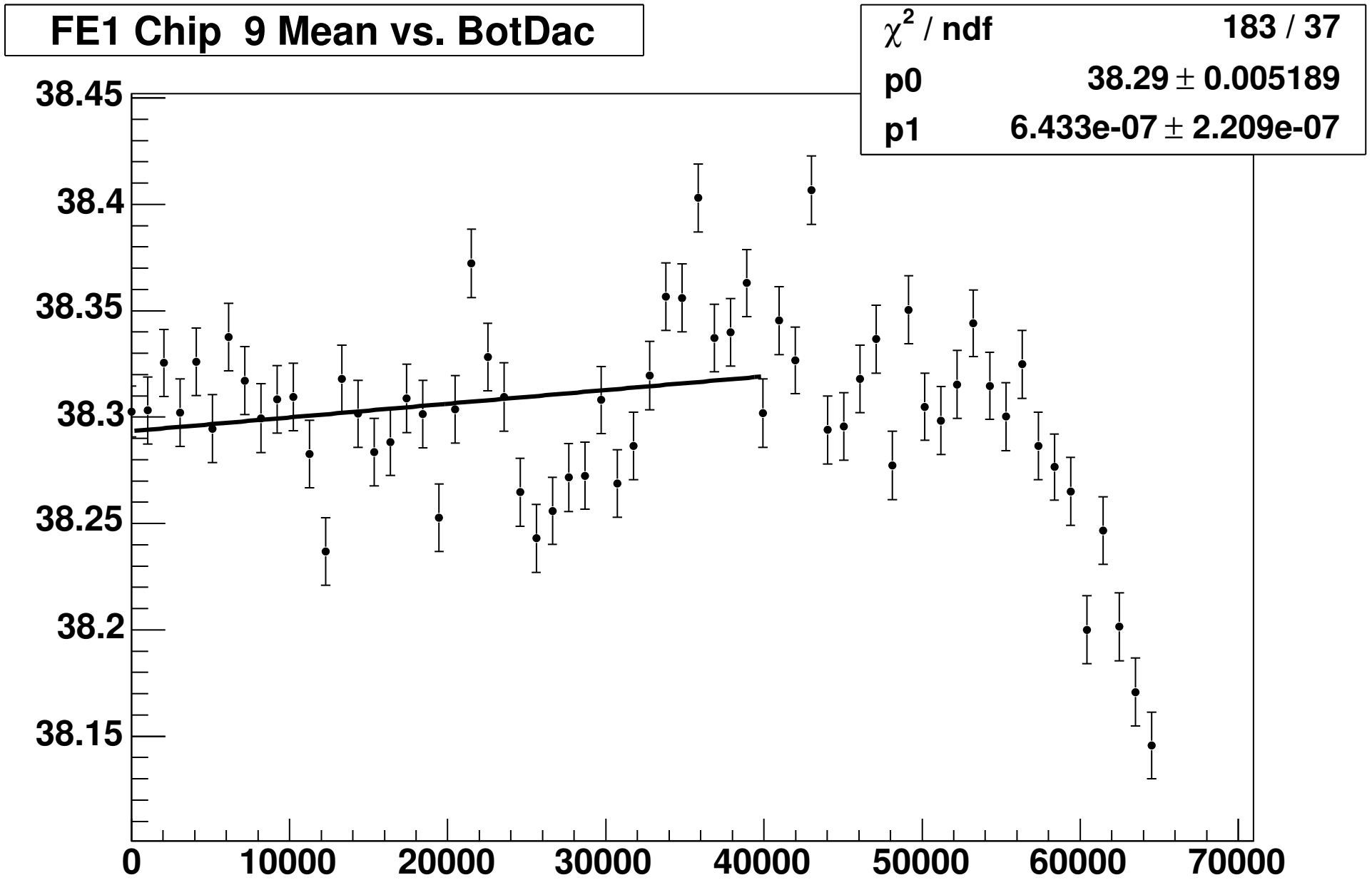
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 183 / 37
p0 38.29 ± 0.005189
p1 6.433e-07 ± 2.209e-07
38.45
38.4
38.35
38.3
38.25
38.2
38.15
0
10000
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30000
40000
50000
60000
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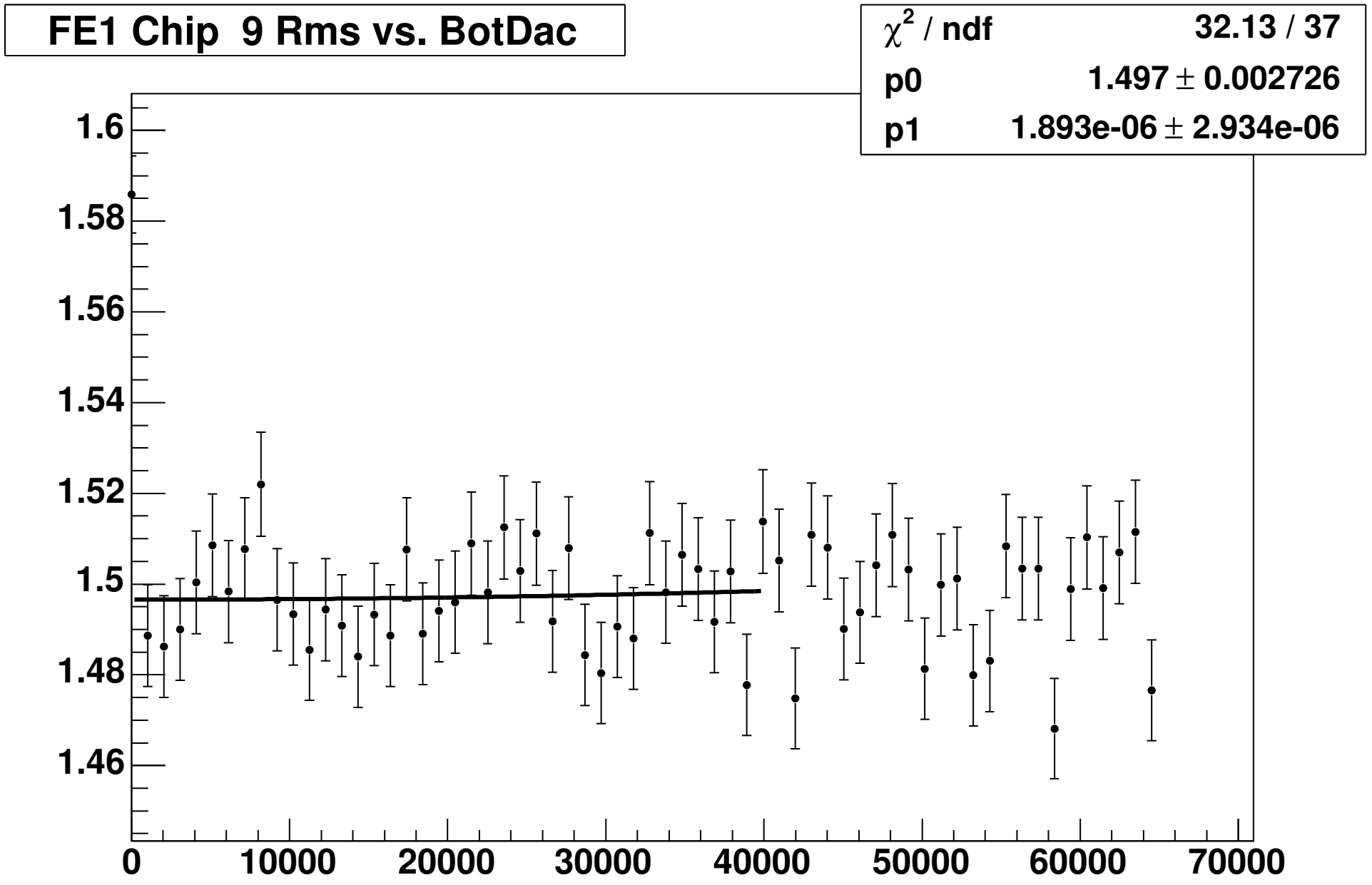
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 32.13 / 37
p0 1.497 ± 0.002726
p1 1.893e-06 ± 2.934e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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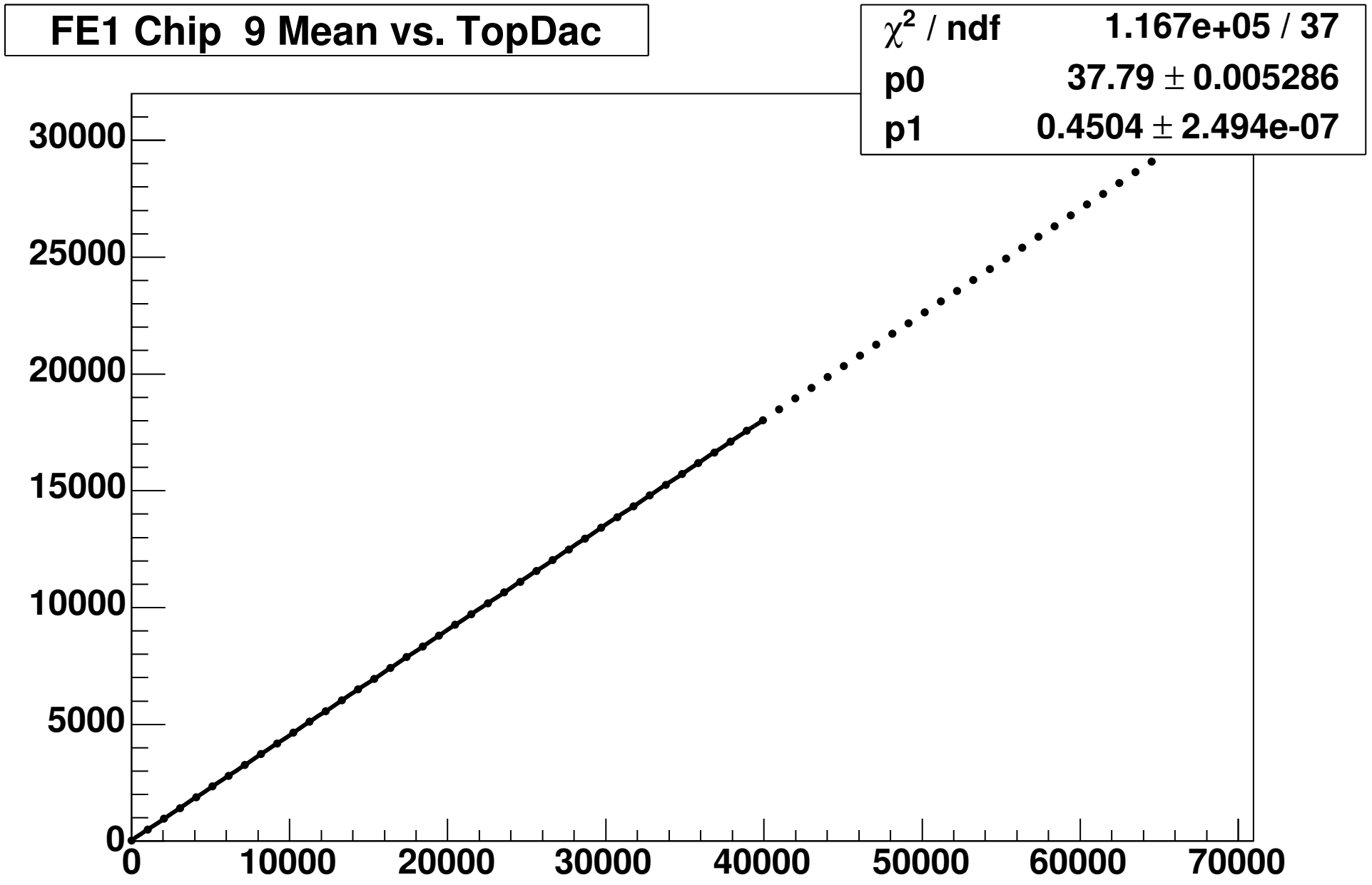
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.167e+05 / 37
p0 37.79 ± 0.005286
p1 0.4504 ± 2.494e-07
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25000
20000
15000
10000
5000
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10000
20000
30000
40000
50000
60000
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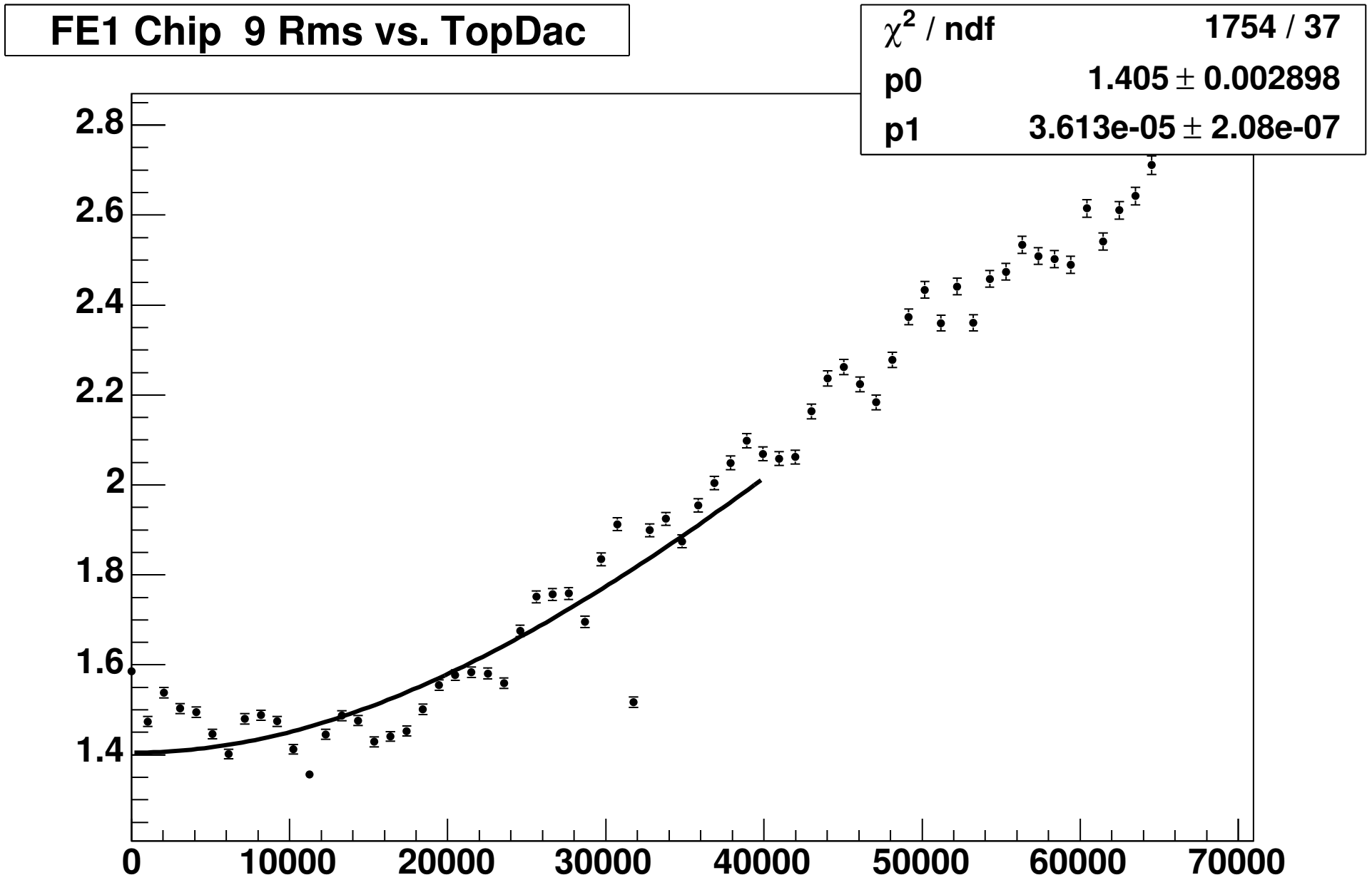
FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1754 / 37
p0 1.405 ± 0.002898
p1 3.613e-05 ± 2.08e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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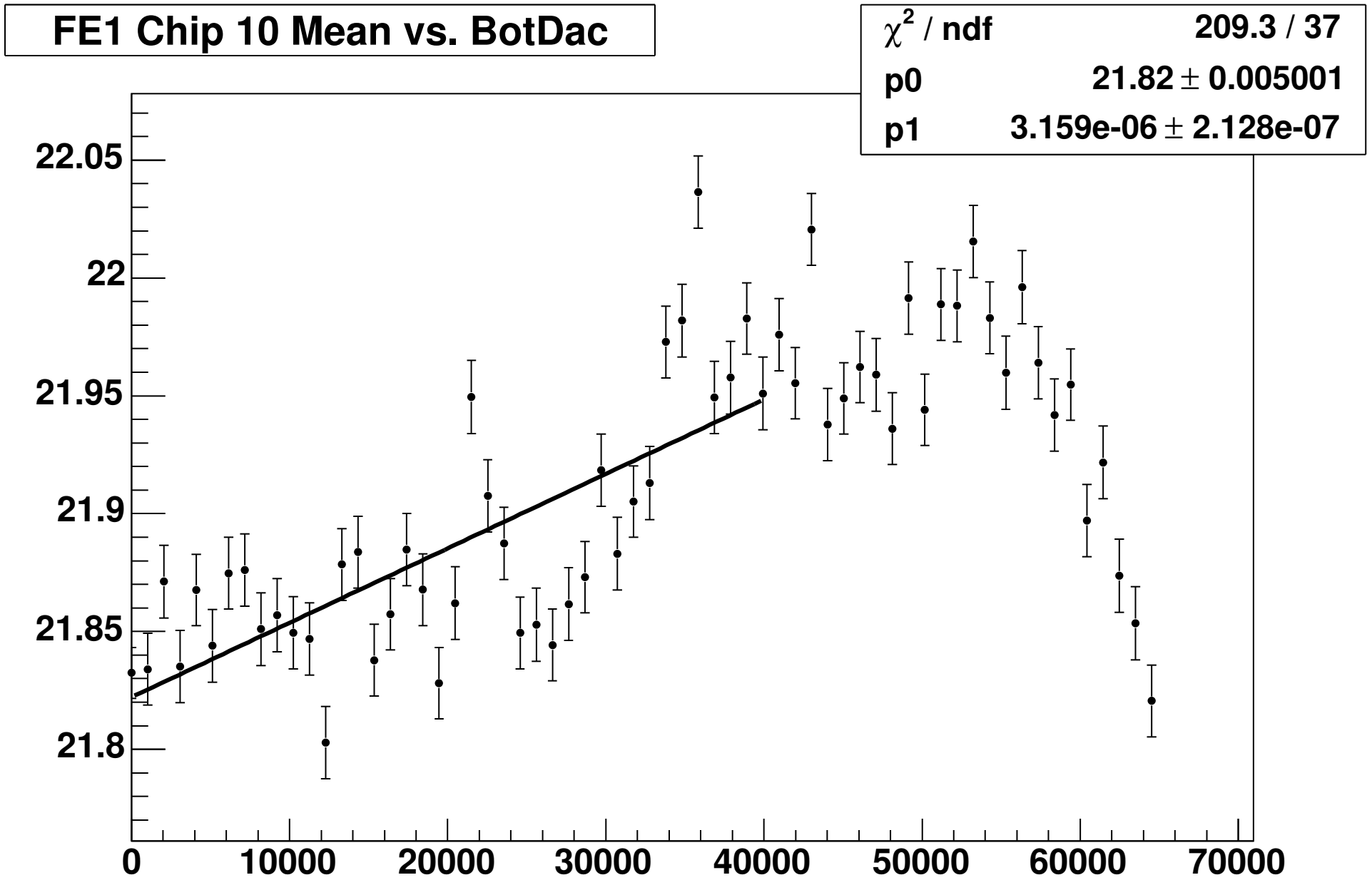
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 209.3 / 37
p0 21.82 ± 0.005001
p1 3.159e-06 ± 2.128e-07
22.05
22
21.95
21.9
21.85
21.8
0
10000
20000
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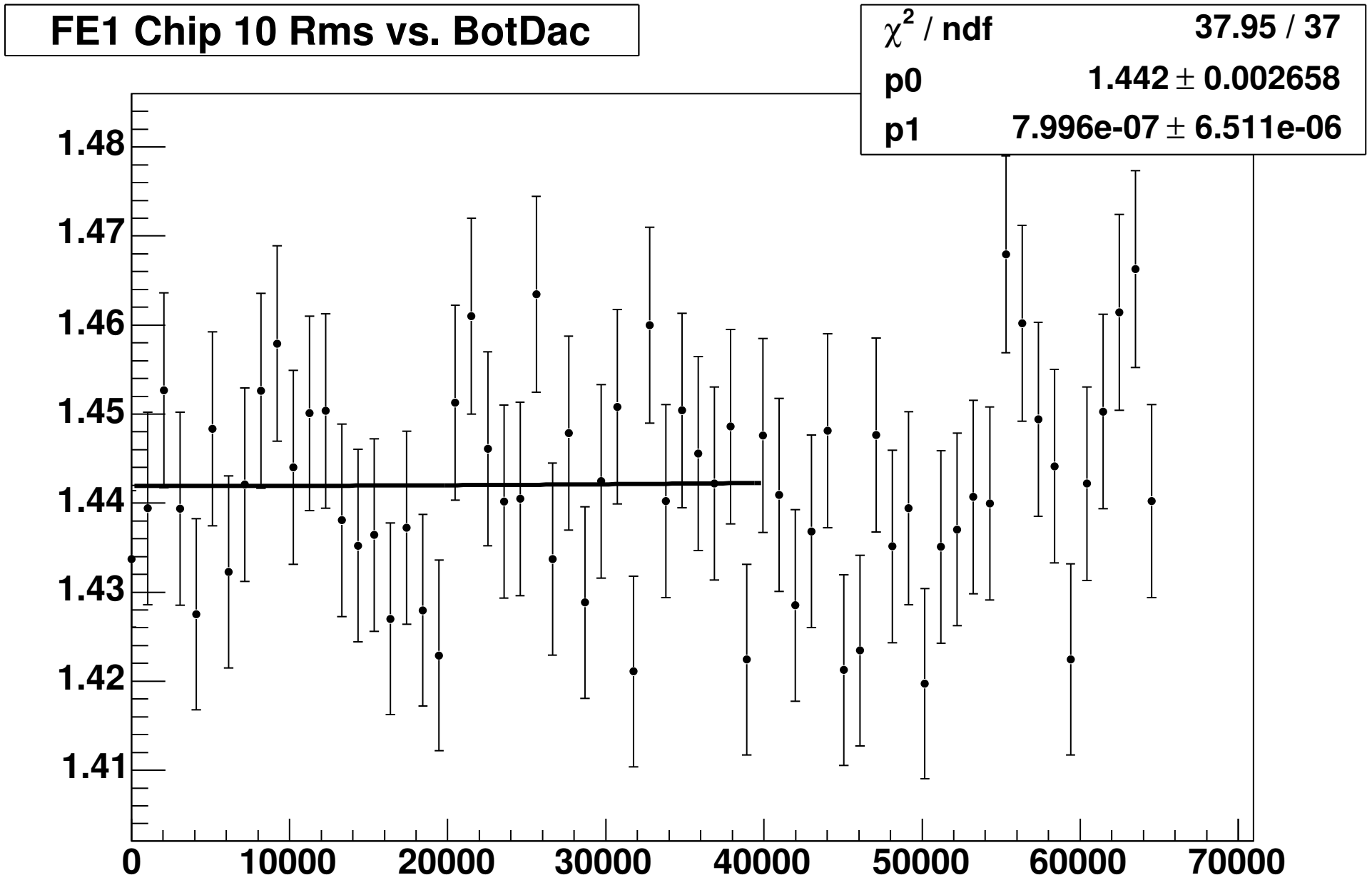
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 37.95 / 37
p0 1.442 ± 0.002658
p1 7.996e-07 ± 6.511e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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40000
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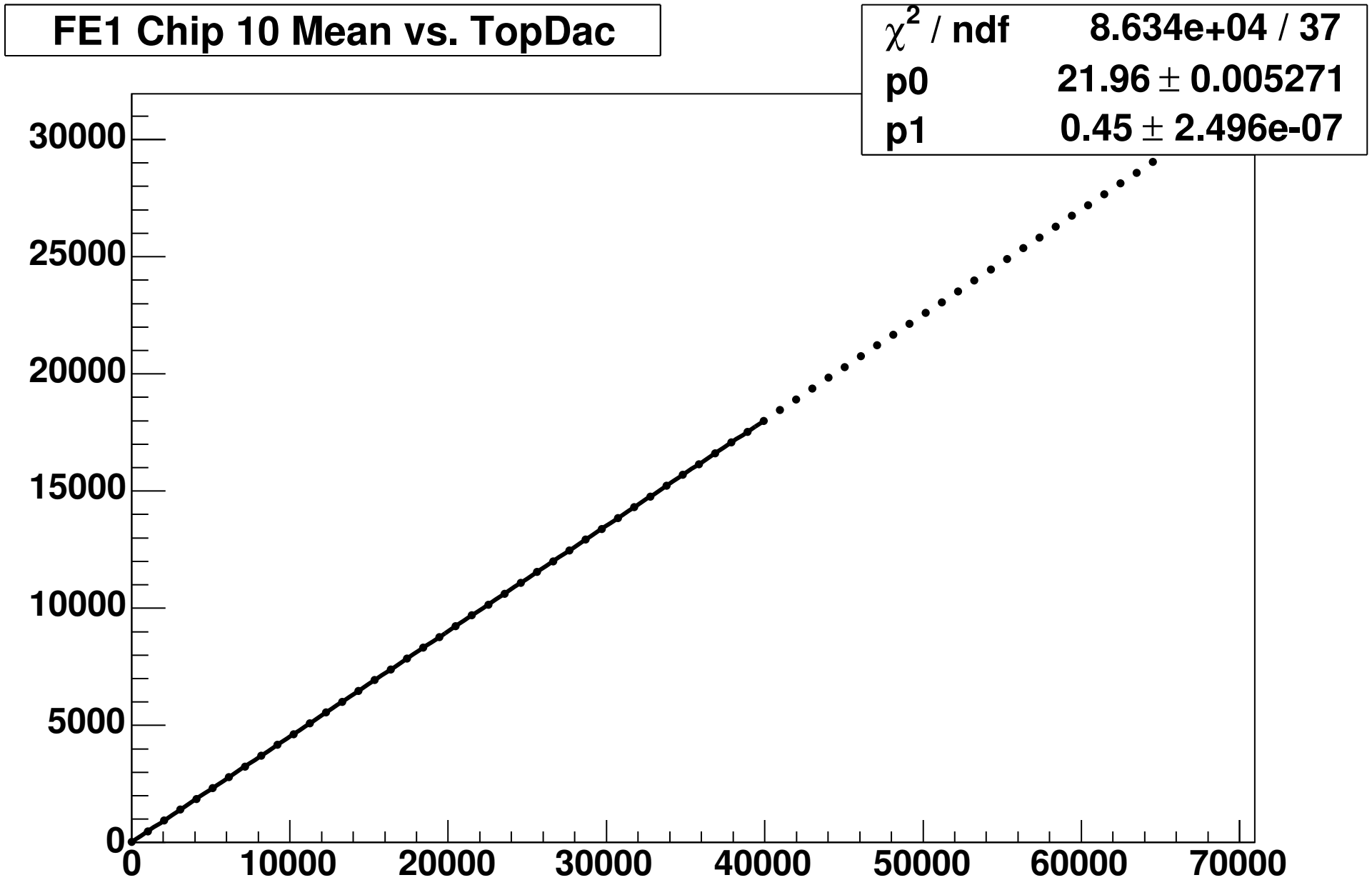
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.634e+04 / 37
p0 21.96 ± 0.005271
p1 0.45 ± 2.496e-07
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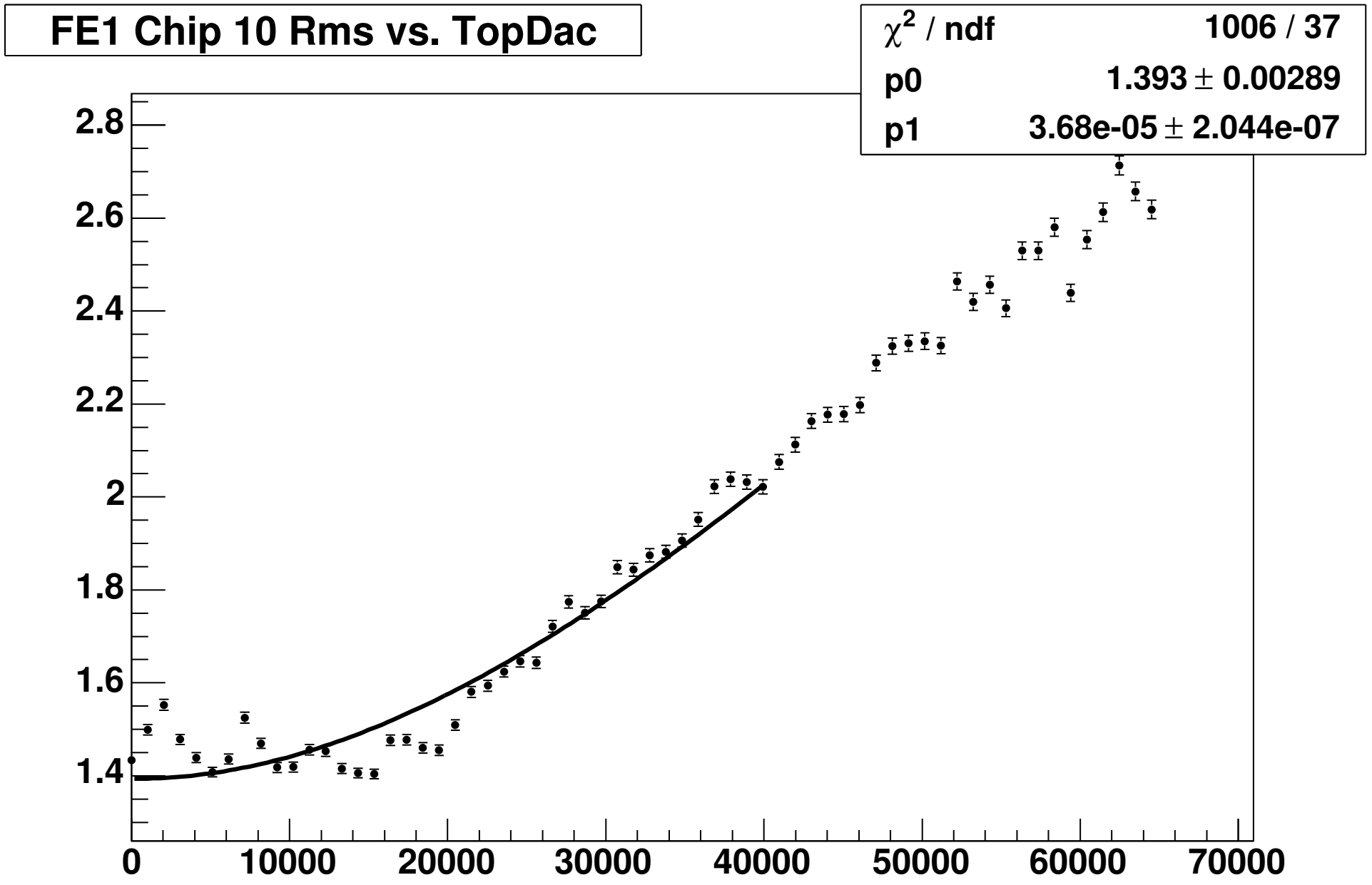
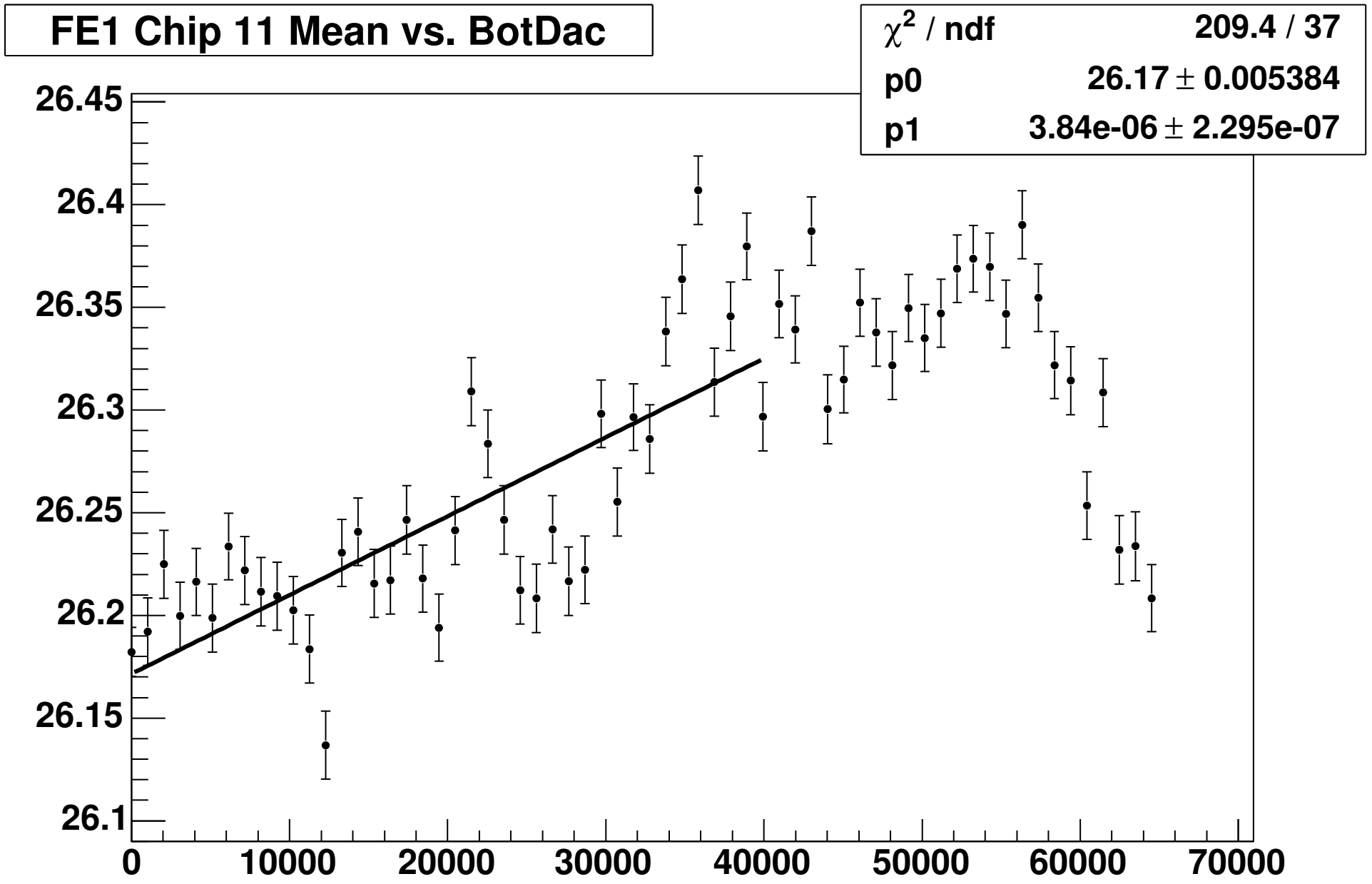
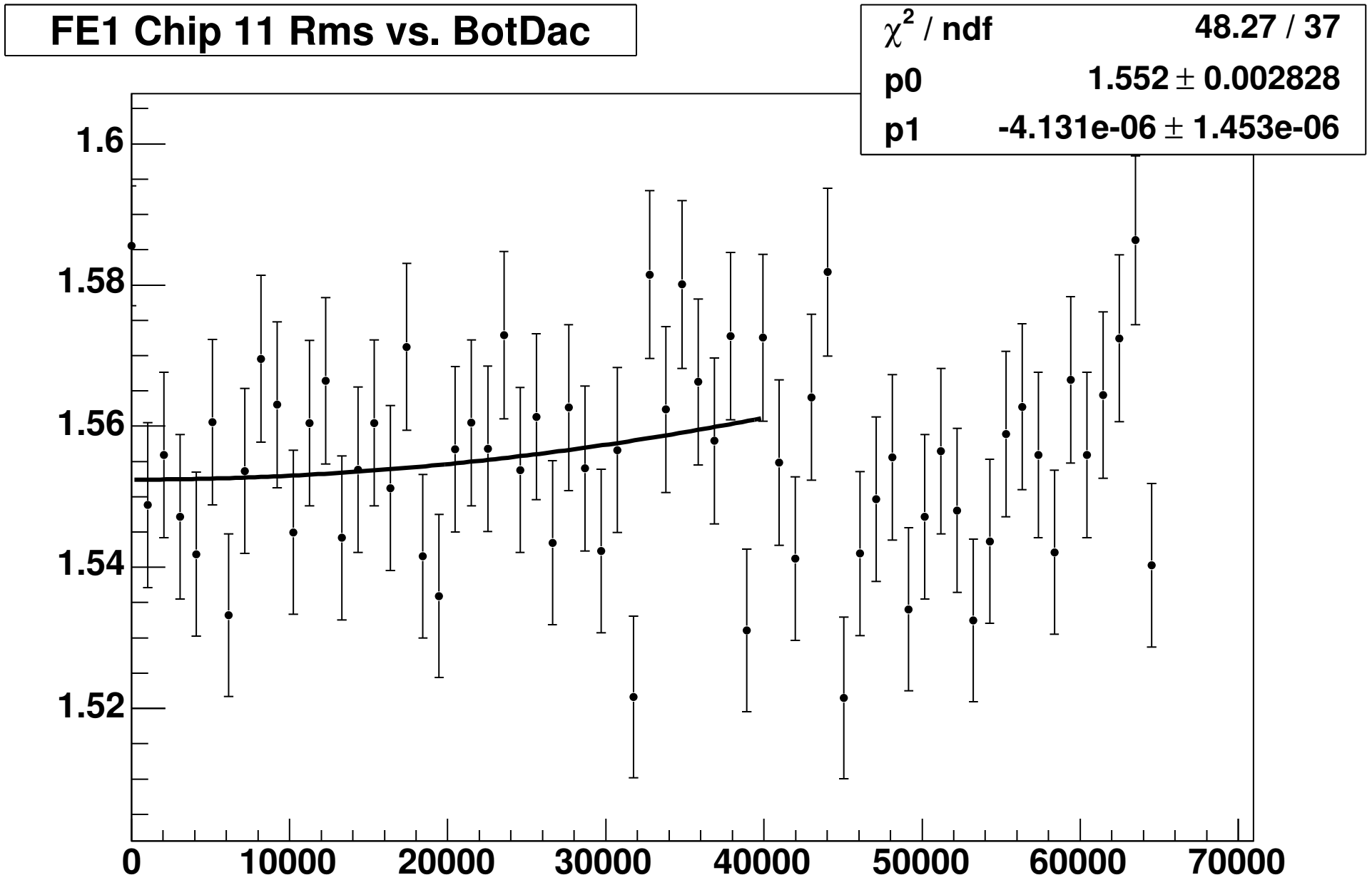
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1006 / 37
p0 1.393 ± 0.00289
p1 3.68e-05 ± 2.044e-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 209.4 / 37
p0 26.17 ± 0.005384
p1 3.84e-06 ± 2.295e-07
26.45
26.4
26.35
26.3
26.25
26.2
26.15
26.1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 48.27 / 37
p0 1.552 ± 0.002828
p1 -4.131e-06 ± 1.453e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
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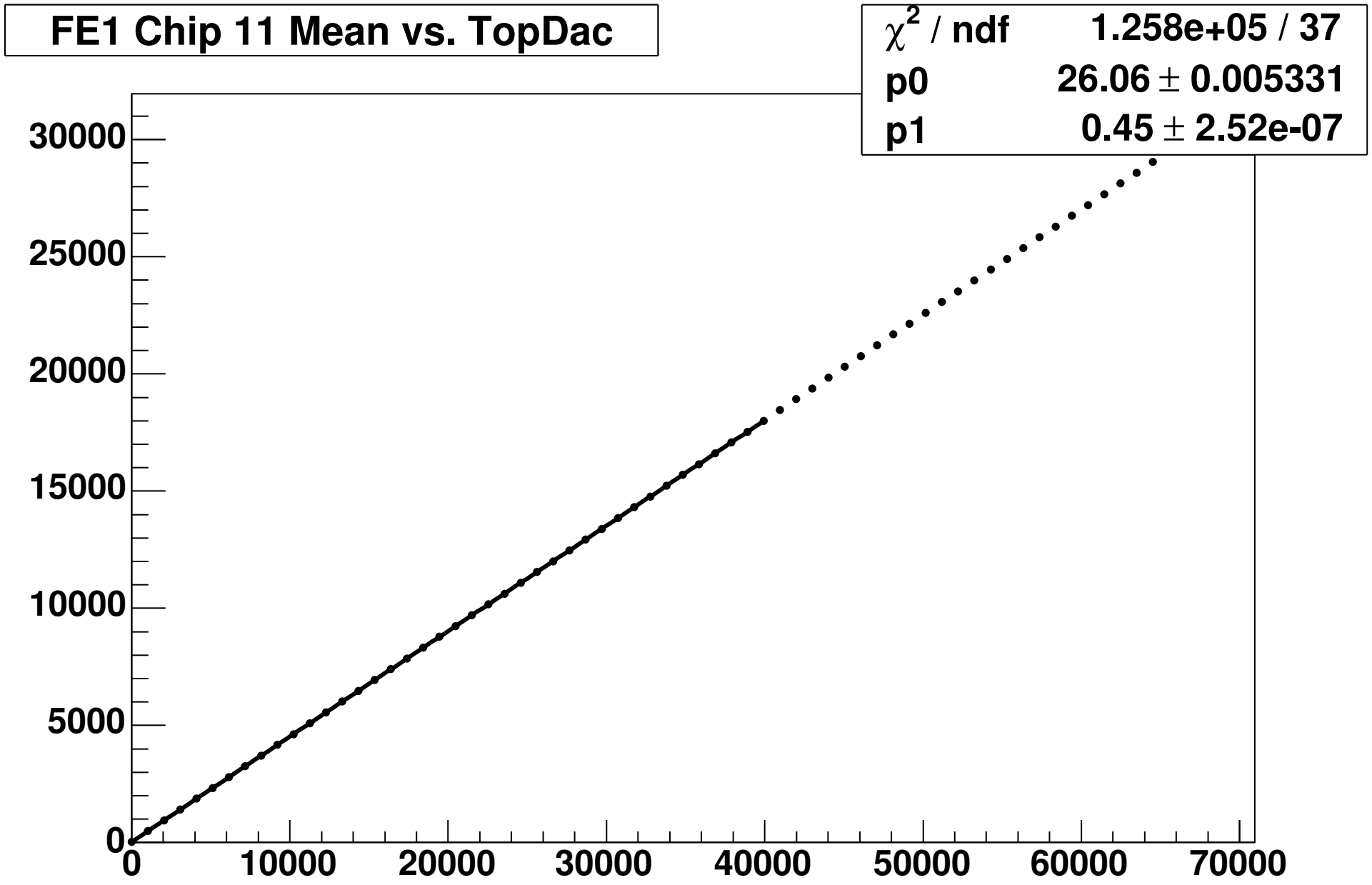
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.258e+05 / 37
p0 26.06 ± 0.005331
p1 0.45 ± 2.52e-07
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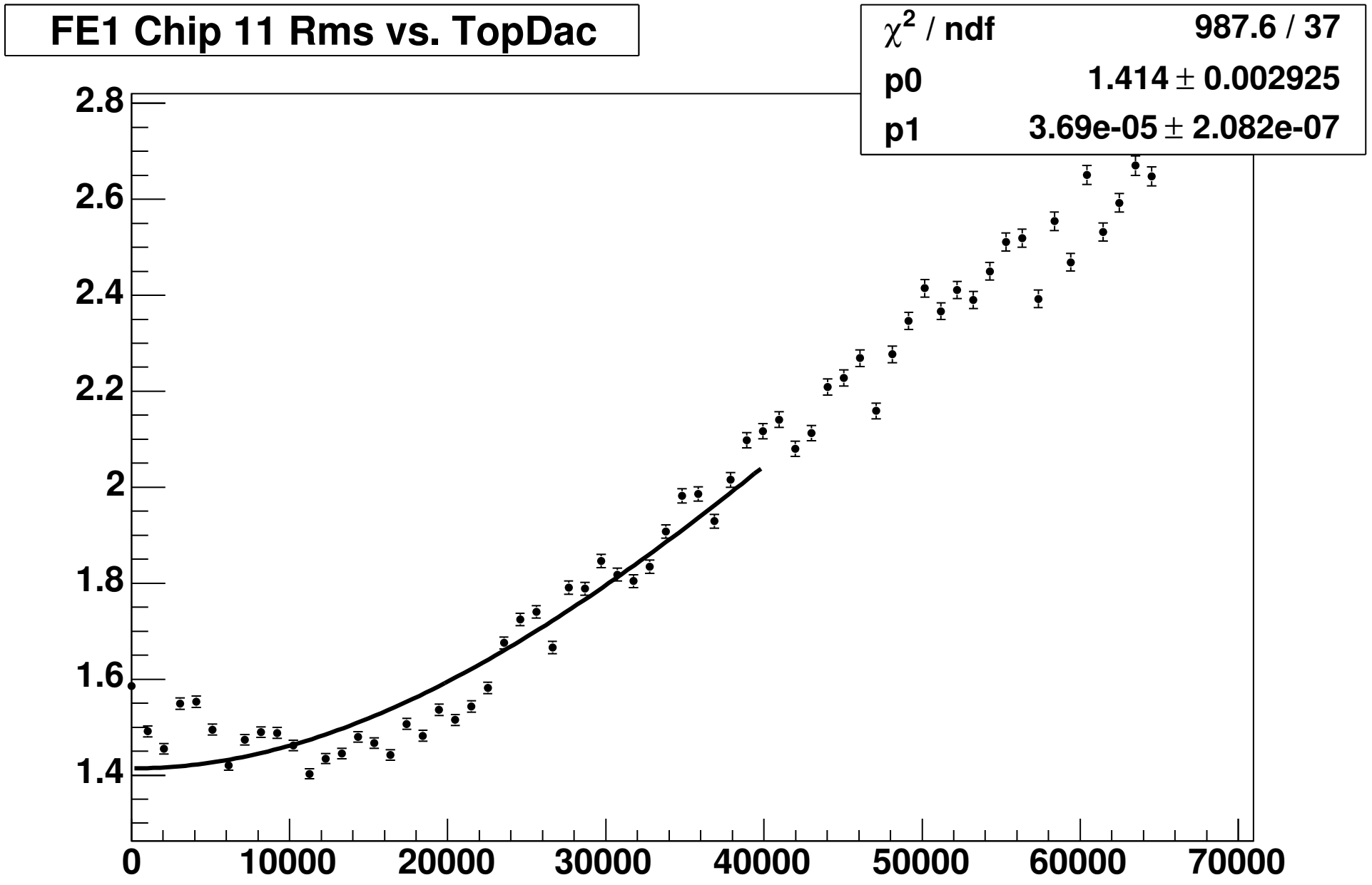
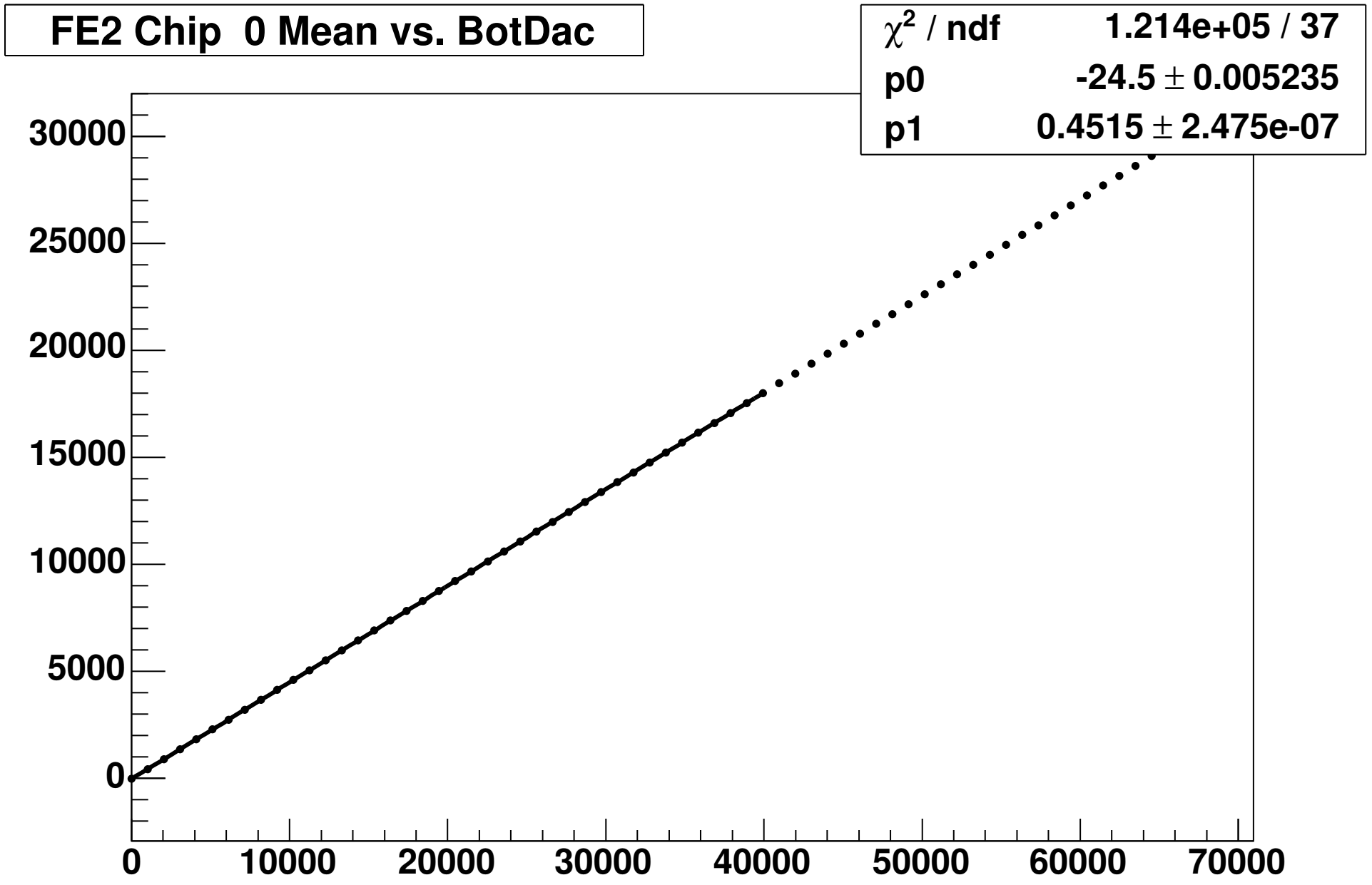
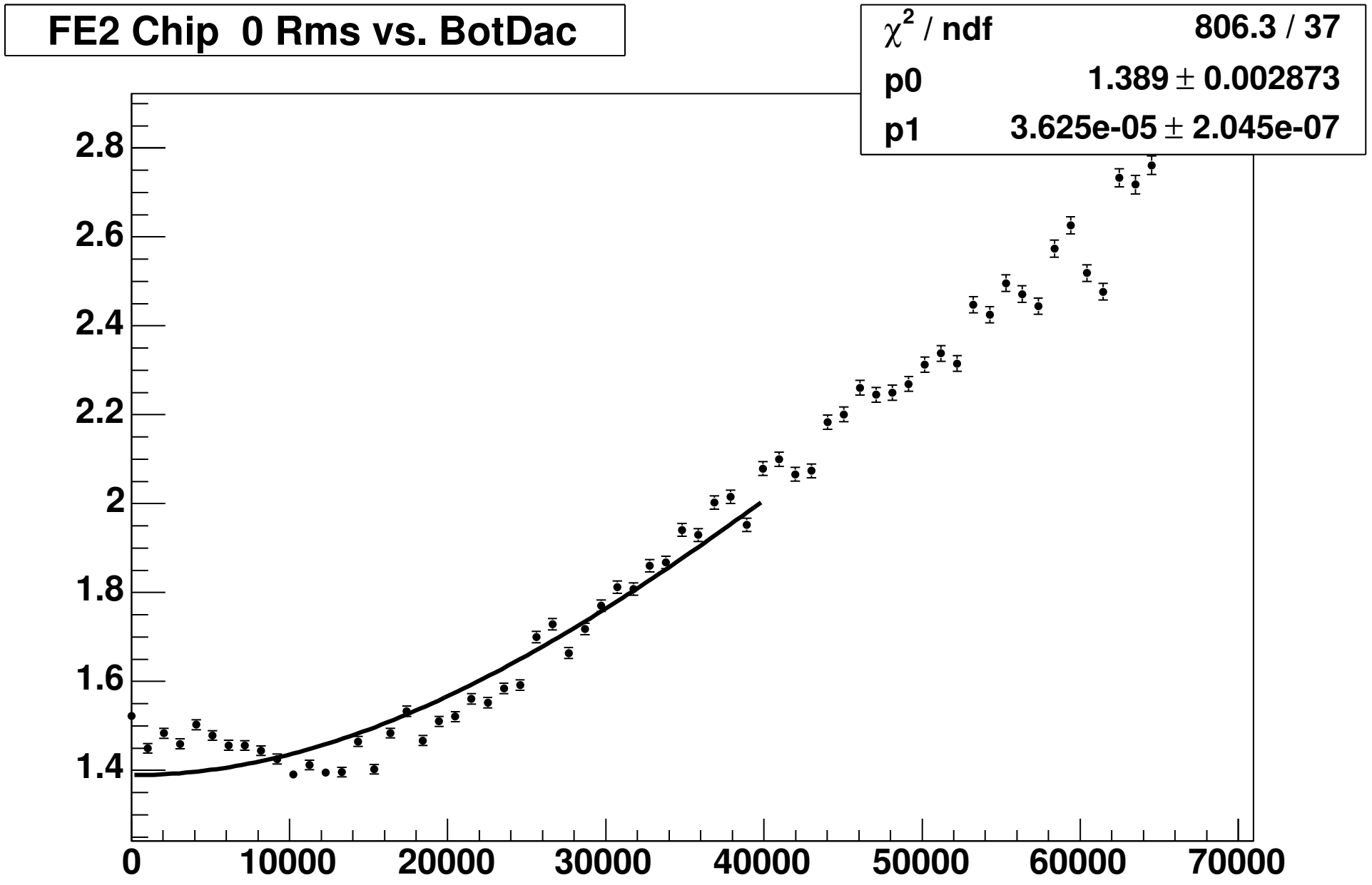
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 987.6 / 37
p0 1.414 ± 0.002925
p1 3.69e-05 ± 2.082e-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 0 Mean vs. BotDac
χ² / ndf 1.214e+05 / 37
p0 -24.5 ± 0.005235
p1 0.4515 ± 2.475e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 806.3 / 37
p0 1.389 ± 0.002873
p1 3.625e-05 ± 2.045e-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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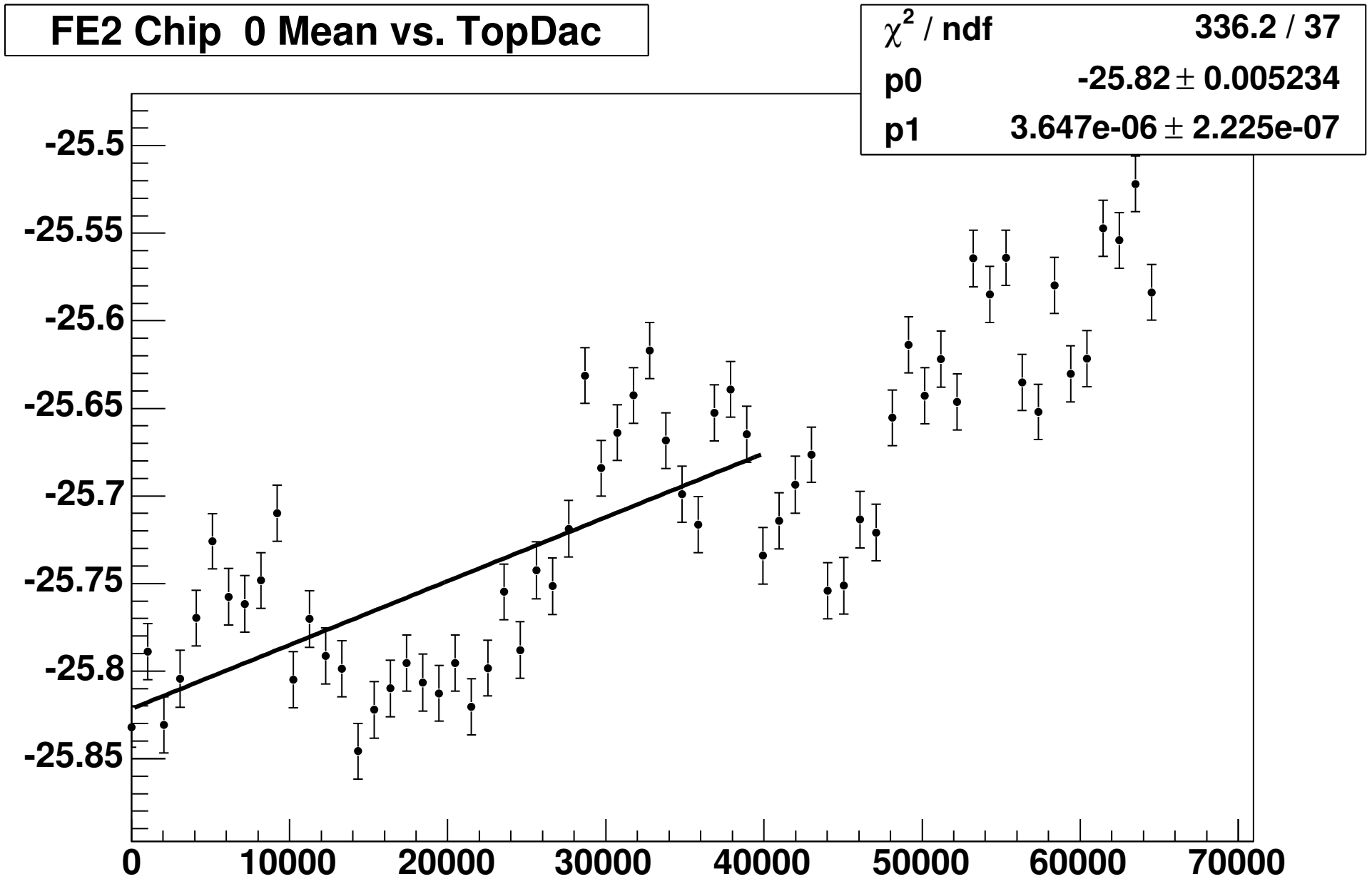
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 336.2 / 37
p0 -25.82 ± 0.005234
p1 3.647e-06 ± 2.225e-07
-25.5
-25.55
-25.6
-25.65
-25.7
-25.75
-25.8
-25.85
0
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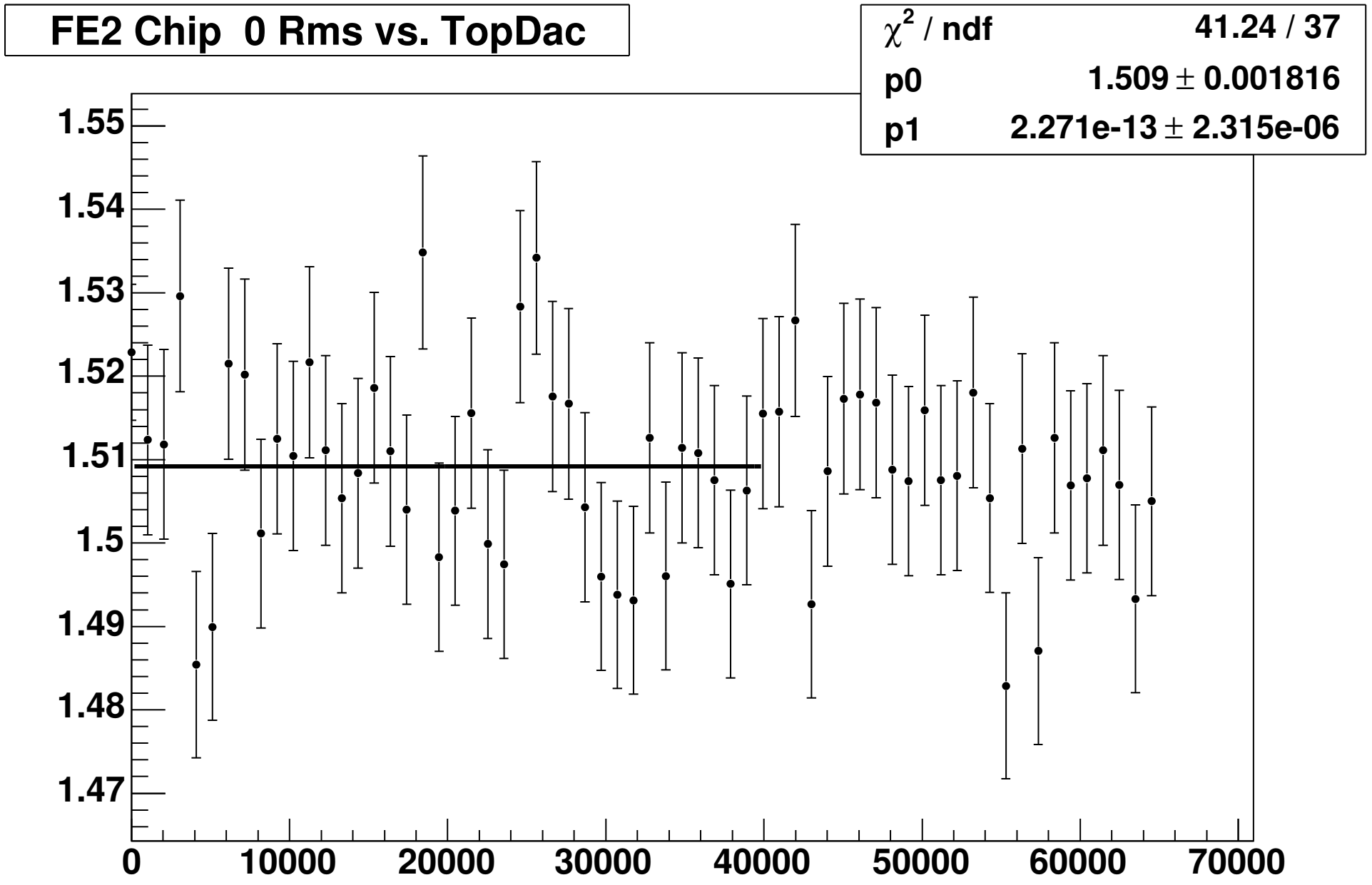
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 41.24 / 37
p0 1.509 ± 0.001816
p1 2.271e-13 ± 2.315e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
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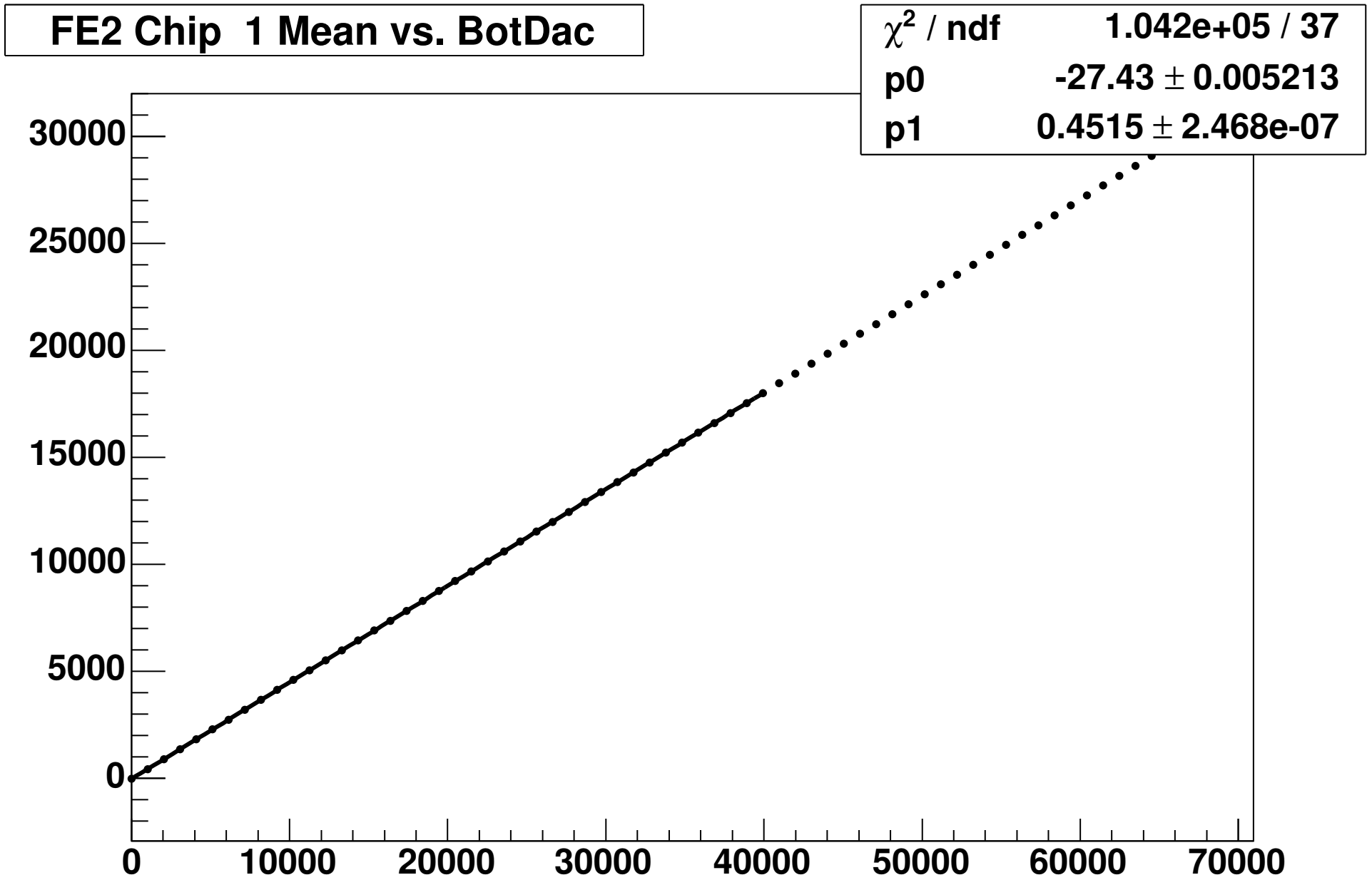
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.042e+05 / 37
p0 -27.43 ± 0.005213
p1 0.4515 ± 2.468e-07
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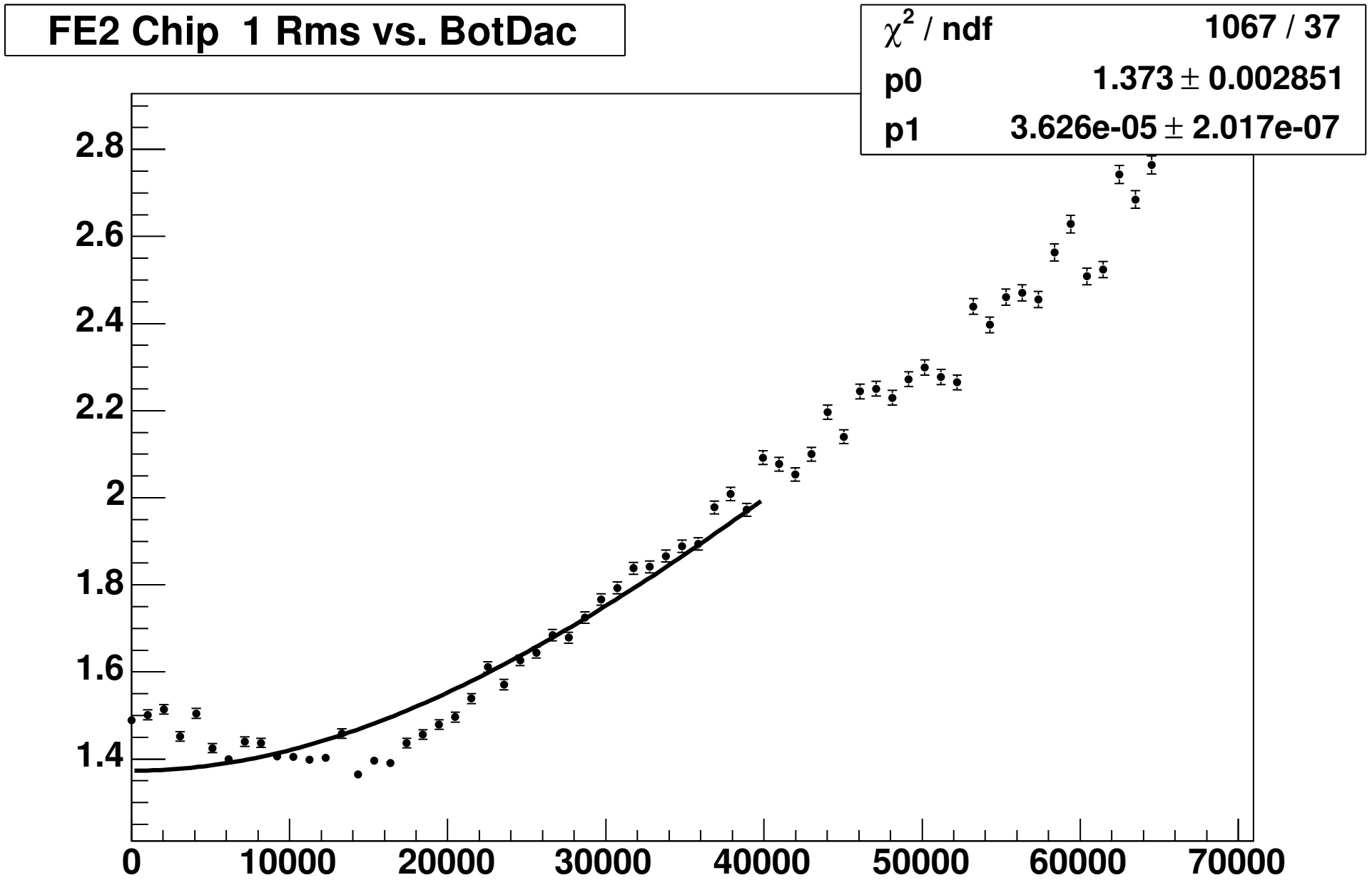
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 1067 / 37
p0 1.373 ± 0.002851
p1 3.626e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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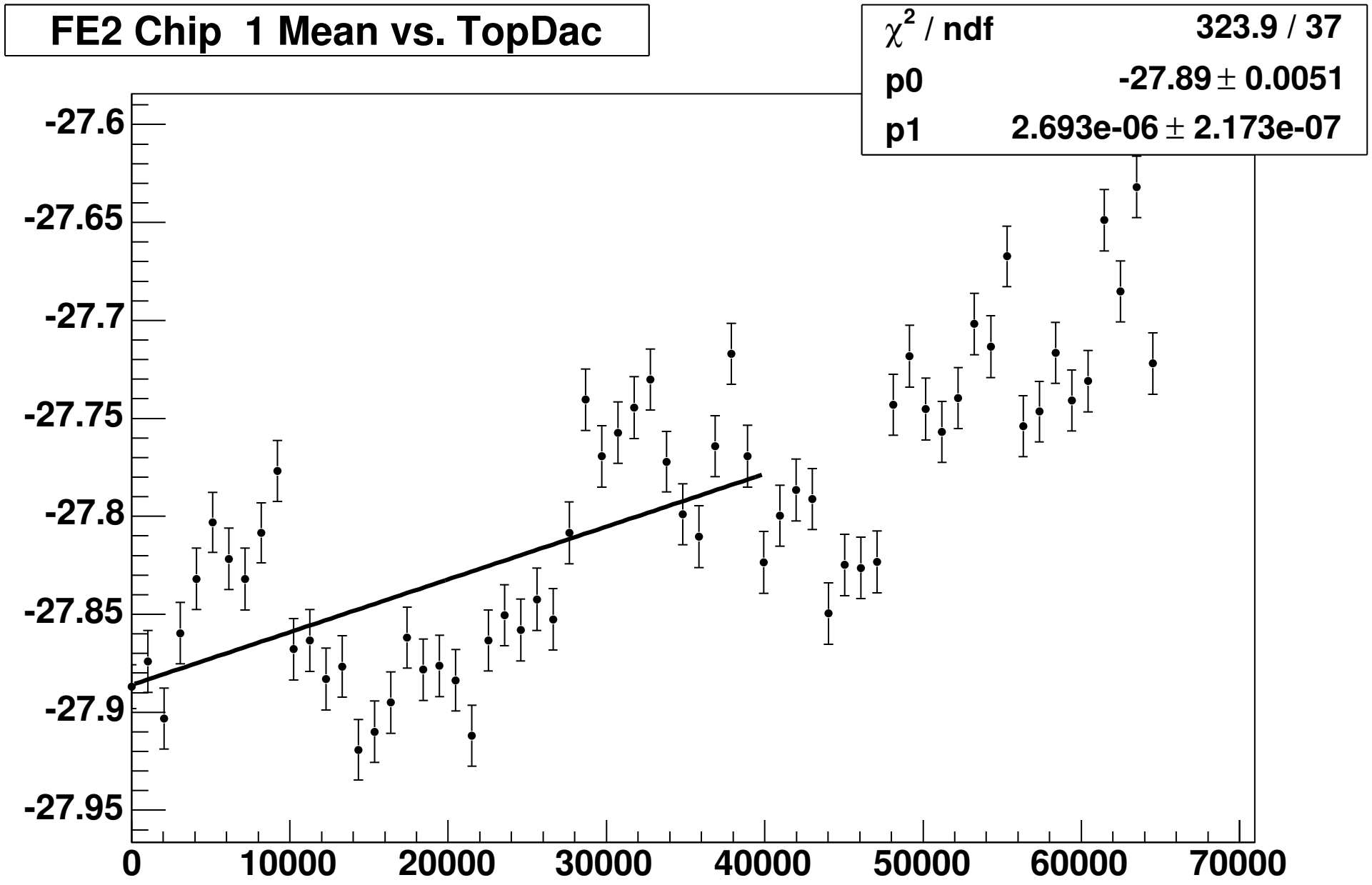
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 323.9 / 37
p0 -27.89 ± 0.0051
p1 2.693e-06 ± 2.173e-07
-27.6
-27.65
-27.7
-27.75
-27.8
-27.85
-27.9
-27.95
0
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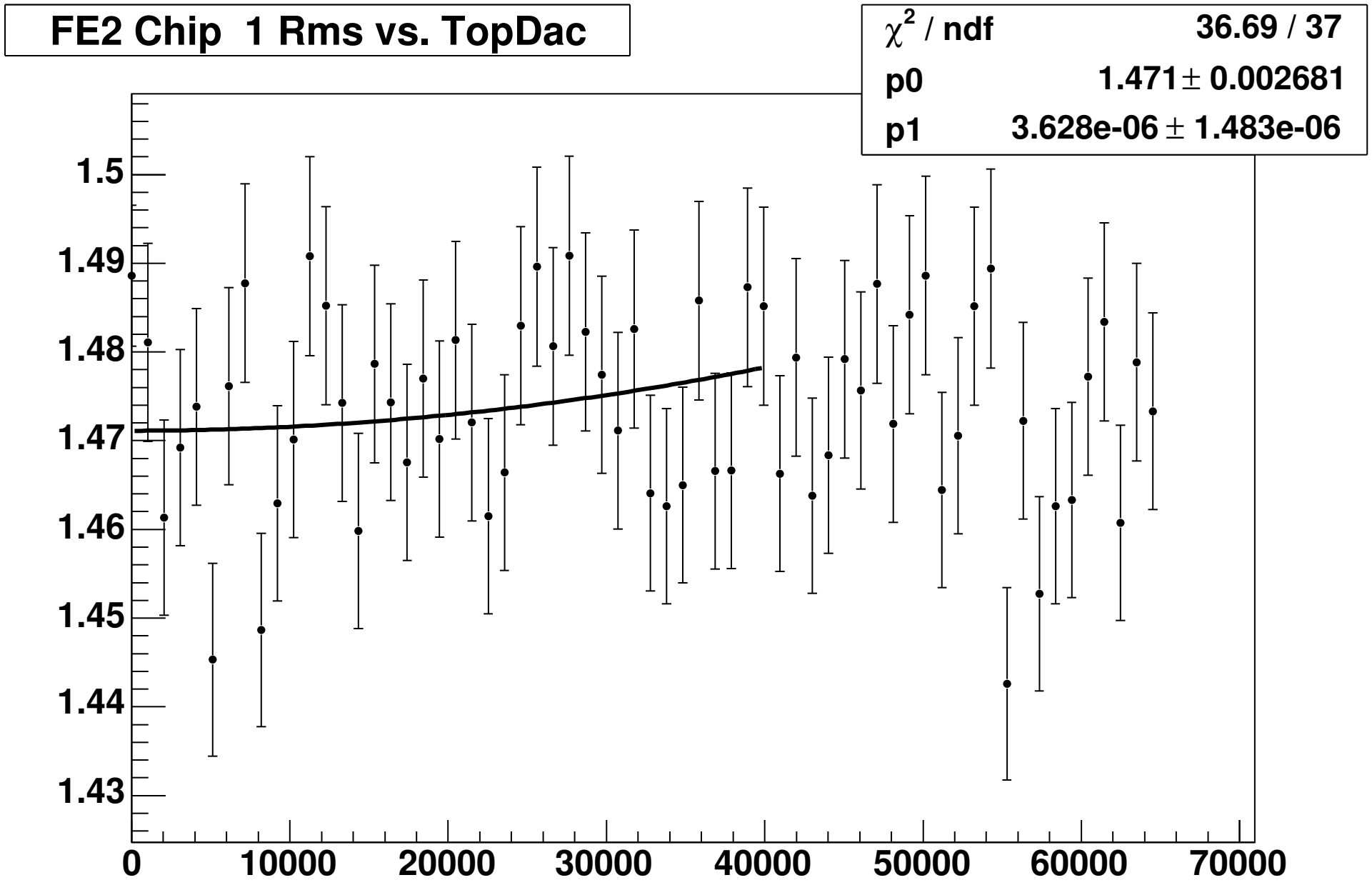
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 36.69 / 37
p0 1.471 ± 0.002681
p1 3.628e-06 ± 1.483e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
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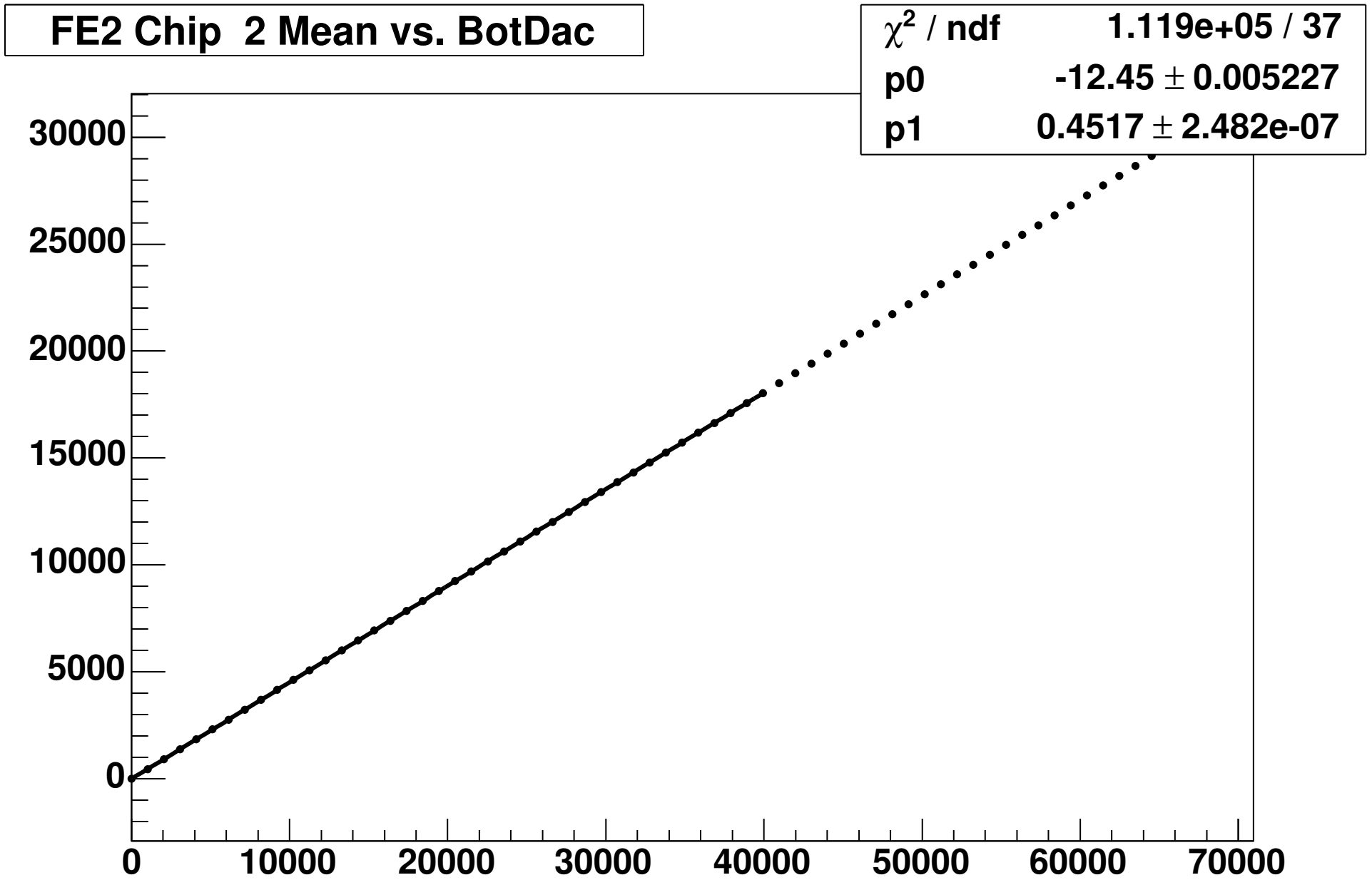
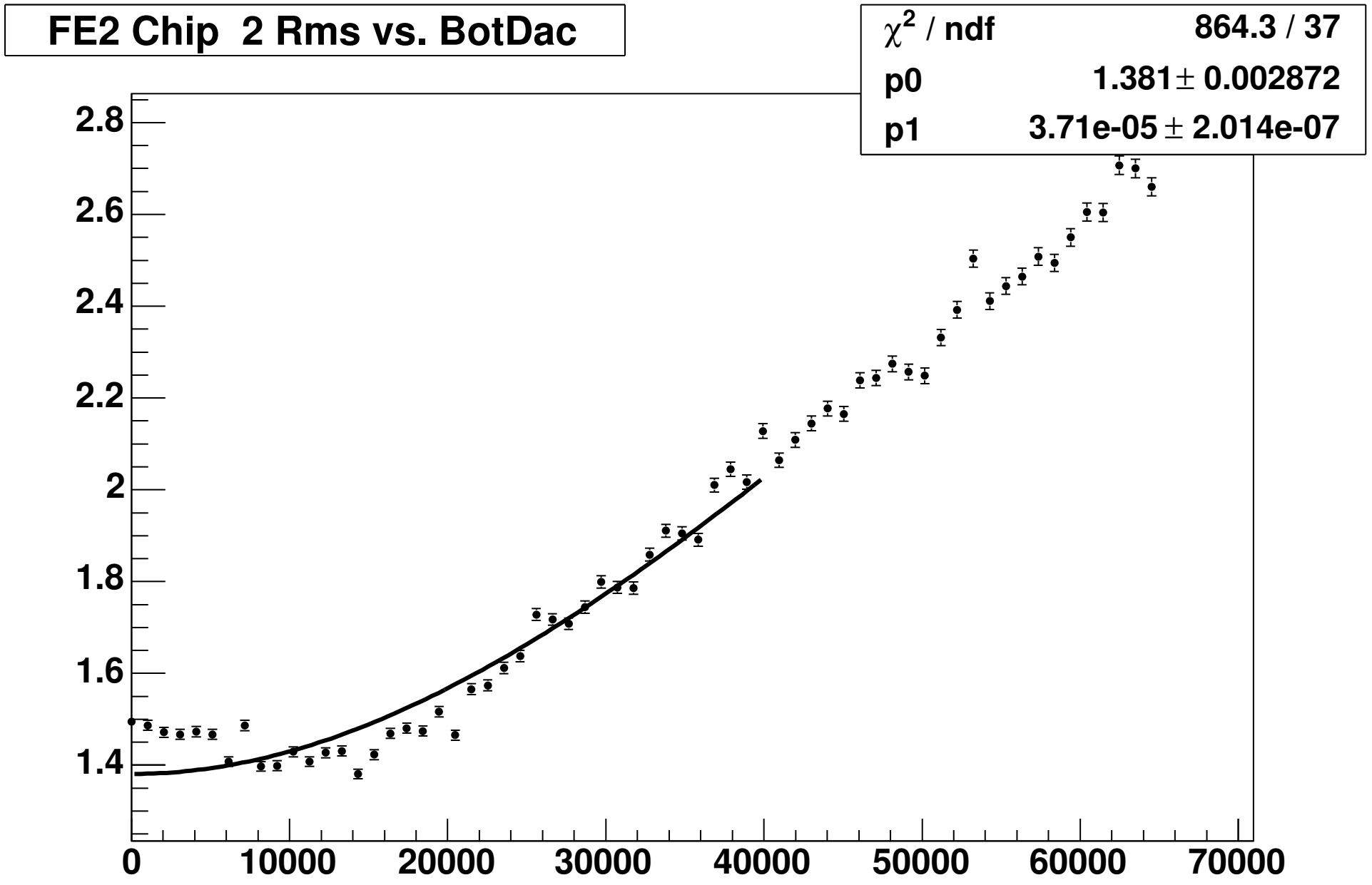

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.119e+05 / 37
p0 -12.45 ± 0.005227
p1 0.4517 ± 2.482e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 864.3 / 37
p0 1.381 ± 0.002872
p1 3.71e-05 ± 2.014e-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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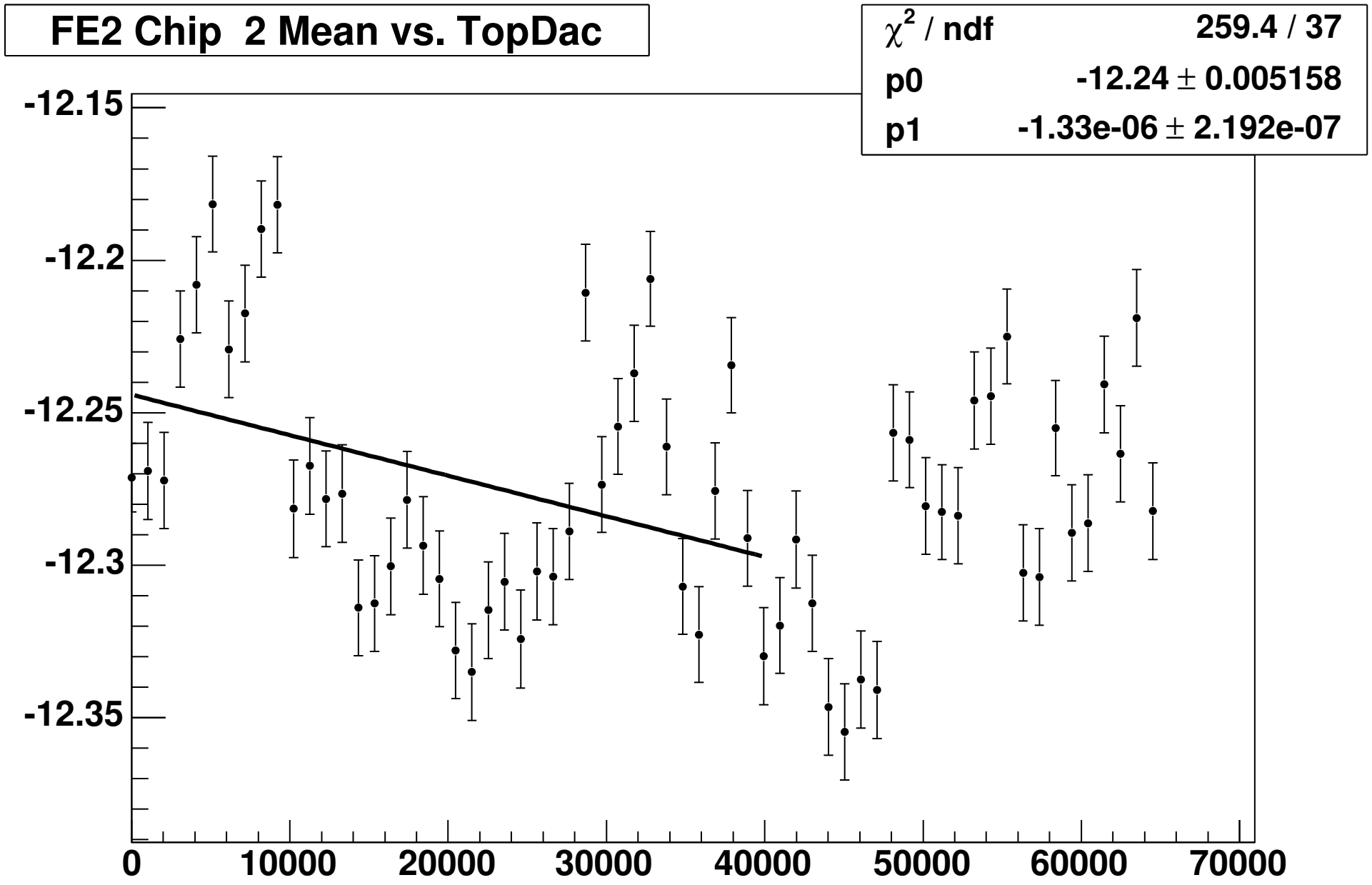
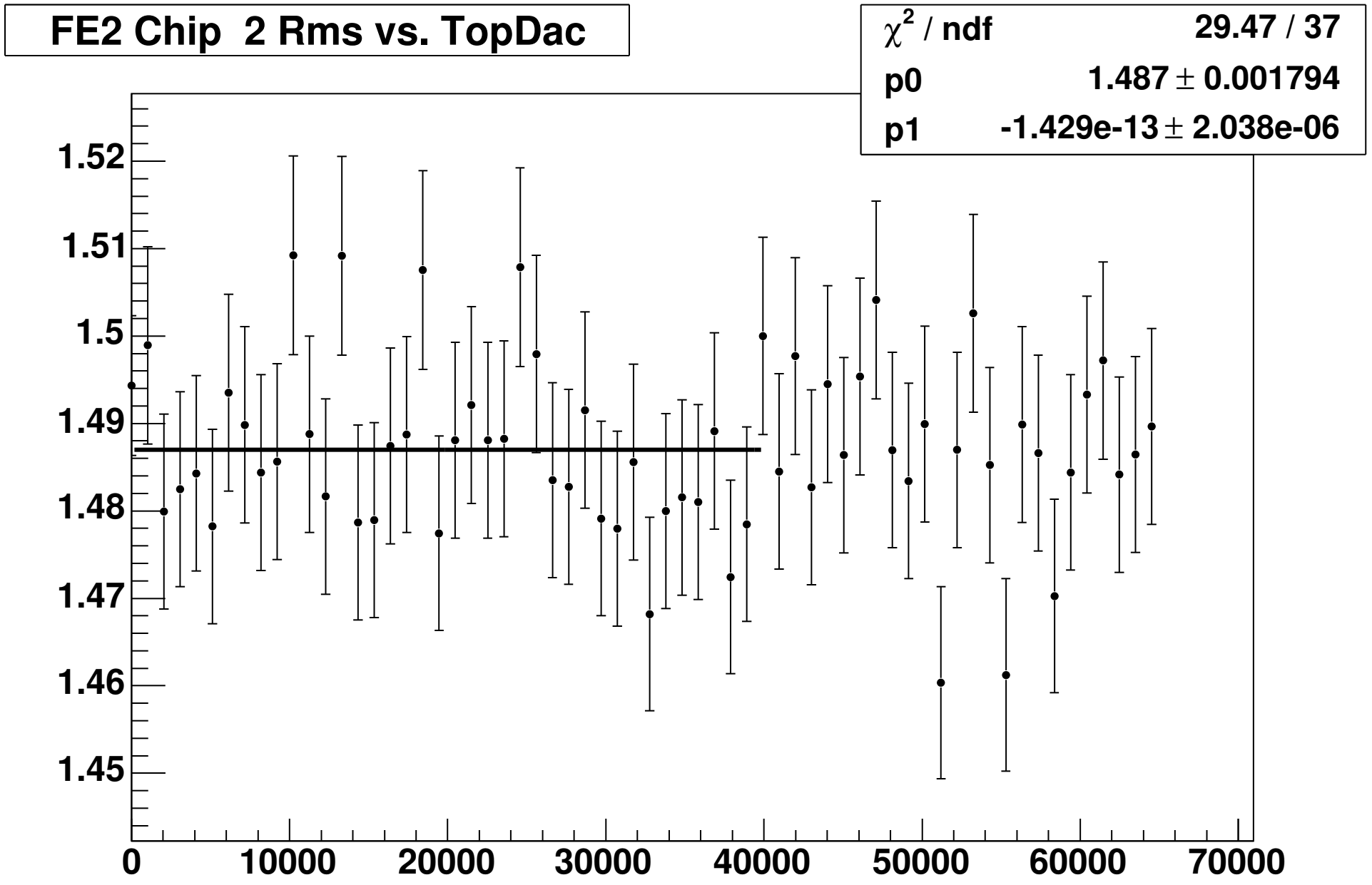
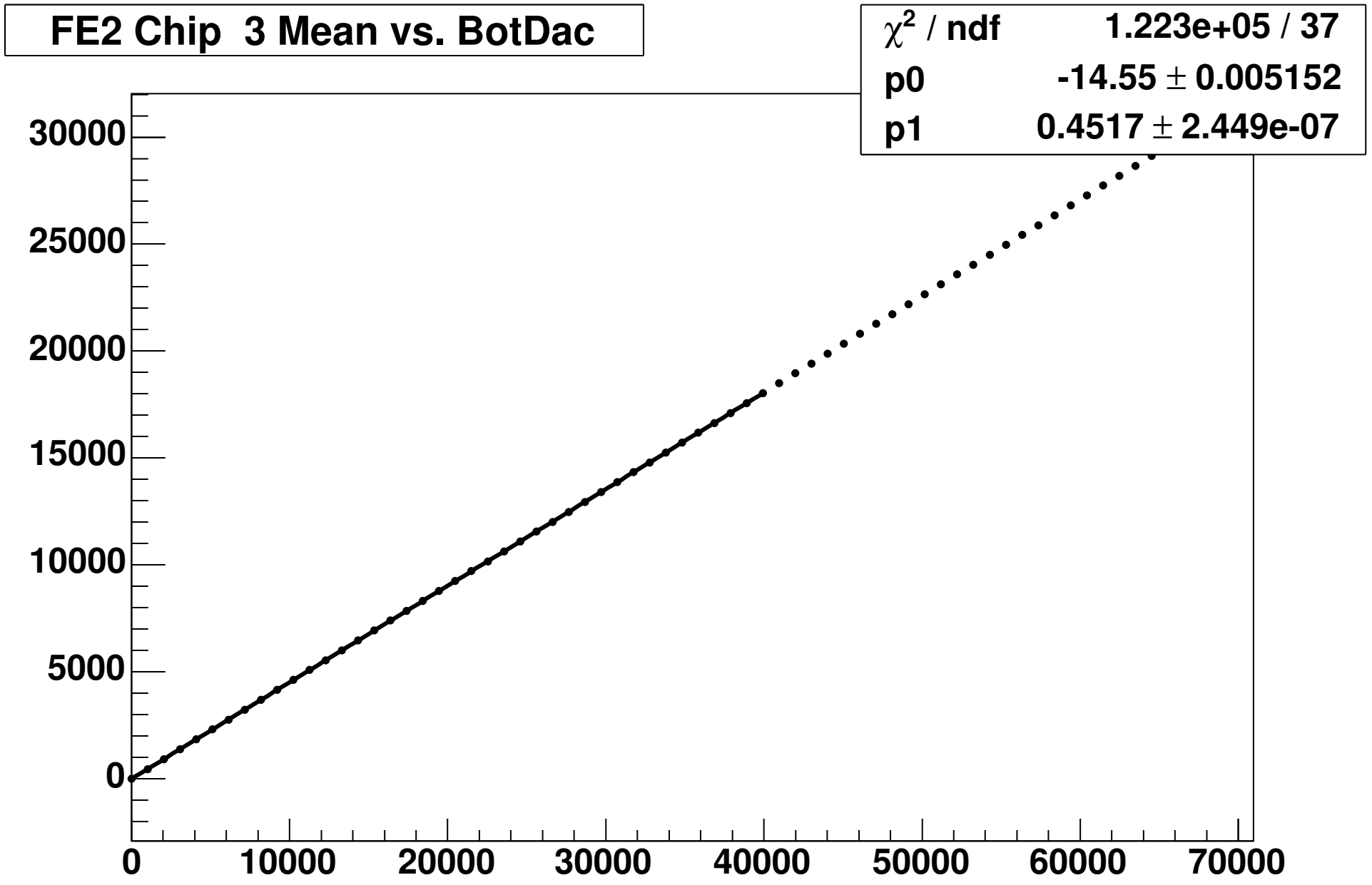
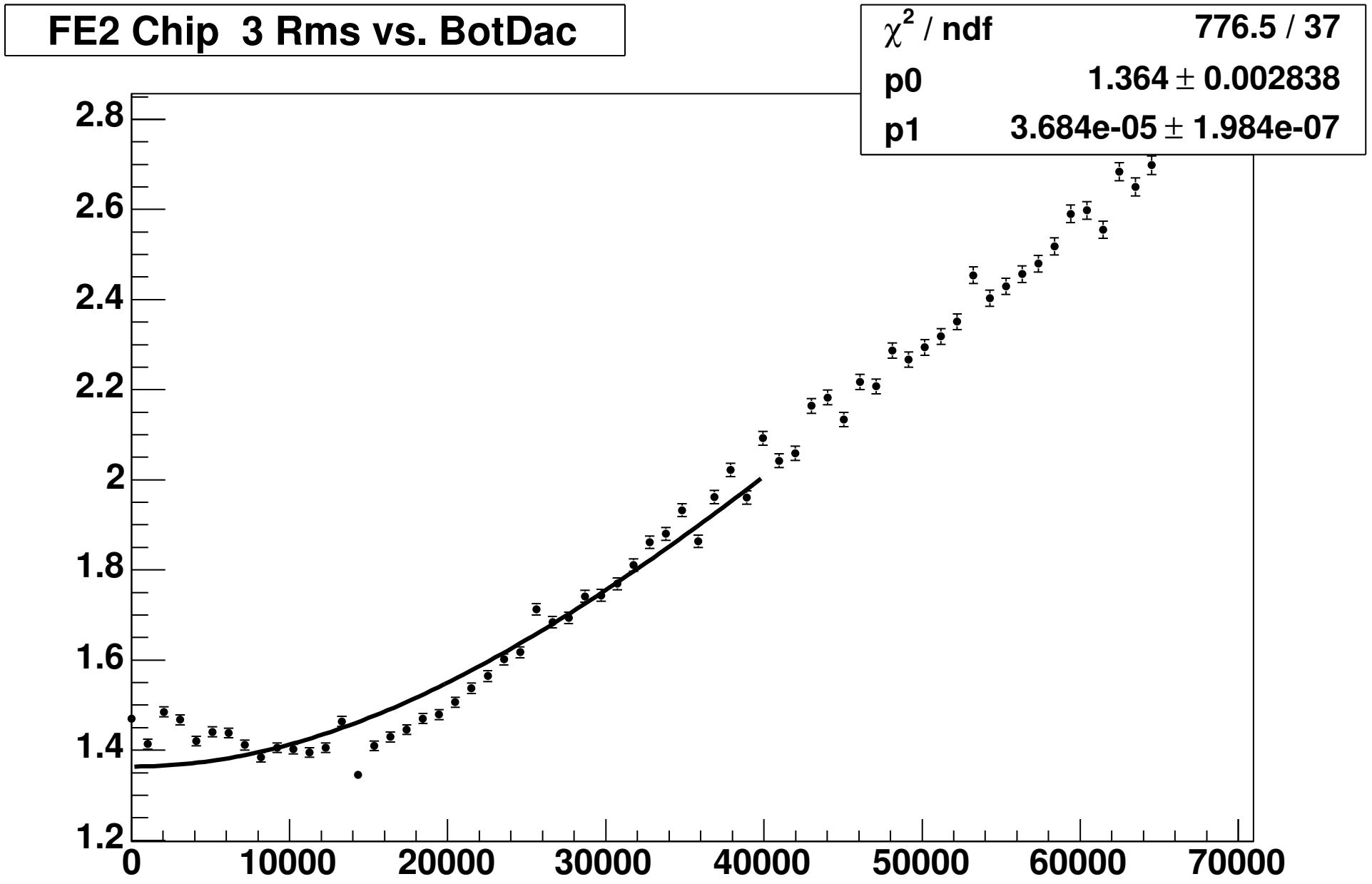
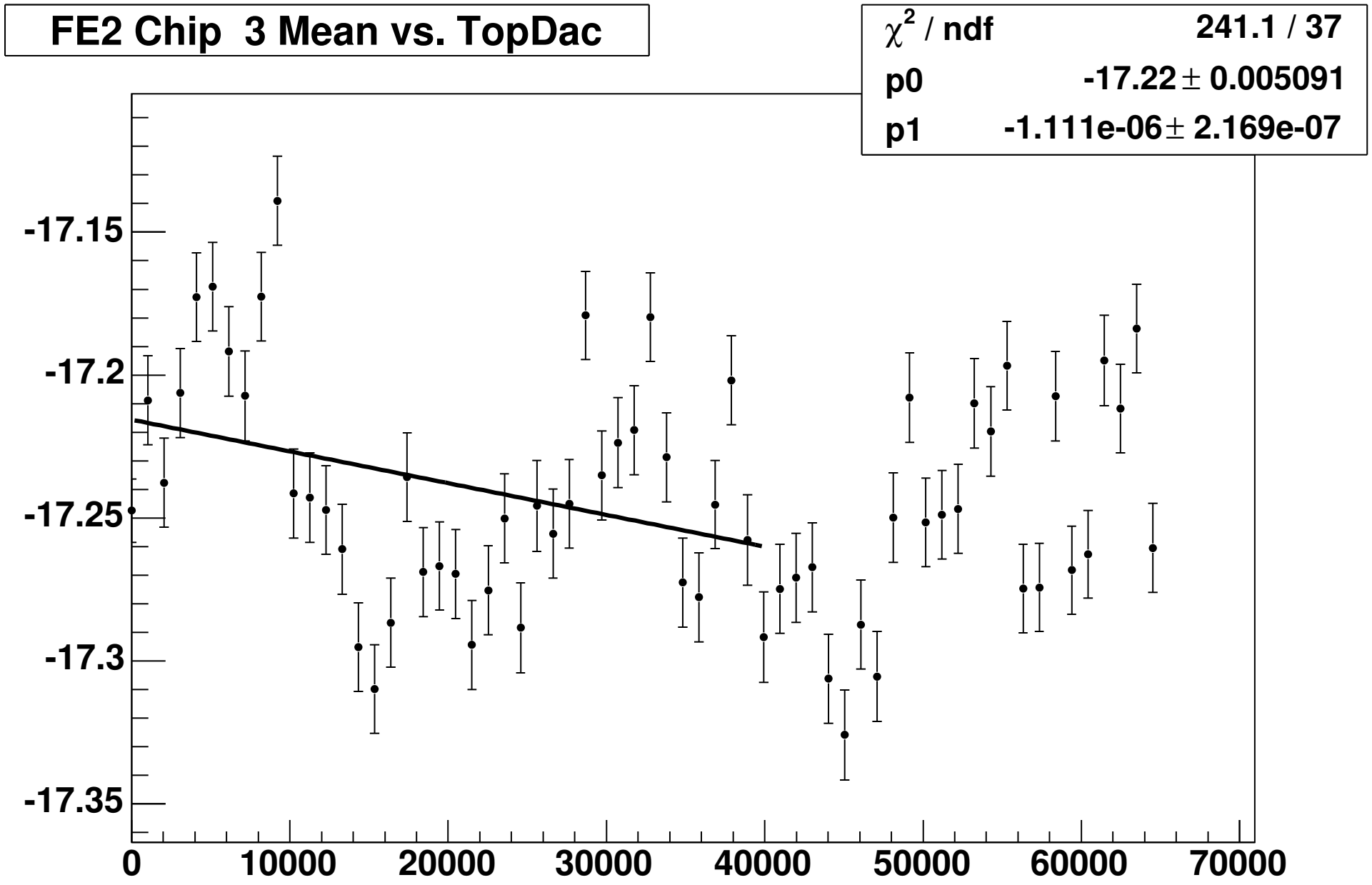

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 259.4 / 37
p0 -12.24 ± 0.005158
p1 -1.33e-06 ± 2.192e-07
-12.15
-12.2
-12.25
-12.3
-12.35
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 29.47 / 37
p0 1.487 ± 0.001794
p1 -1.429e-13 ± 2.038e-06
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 3 Mean vs. BotDac
χ² / ndf 1.223e+05 / 37
p0 -14.55 ± 0.005152
p1 0.4517 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 776.5 / 37
p0 1.364 ± 0.002838
p1 3.684e-05 ± 1.984e-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 3 Mean vs. TopDac
χ² / ndf 241.1 / 37
p0 -17.22 ± 0.005091
p1 -1.111e-06 ± 2.169e-07
-17.15
-17.2
-17.25
-17.3
-17.35
0
10000
20000
30000
40000
50000
60000
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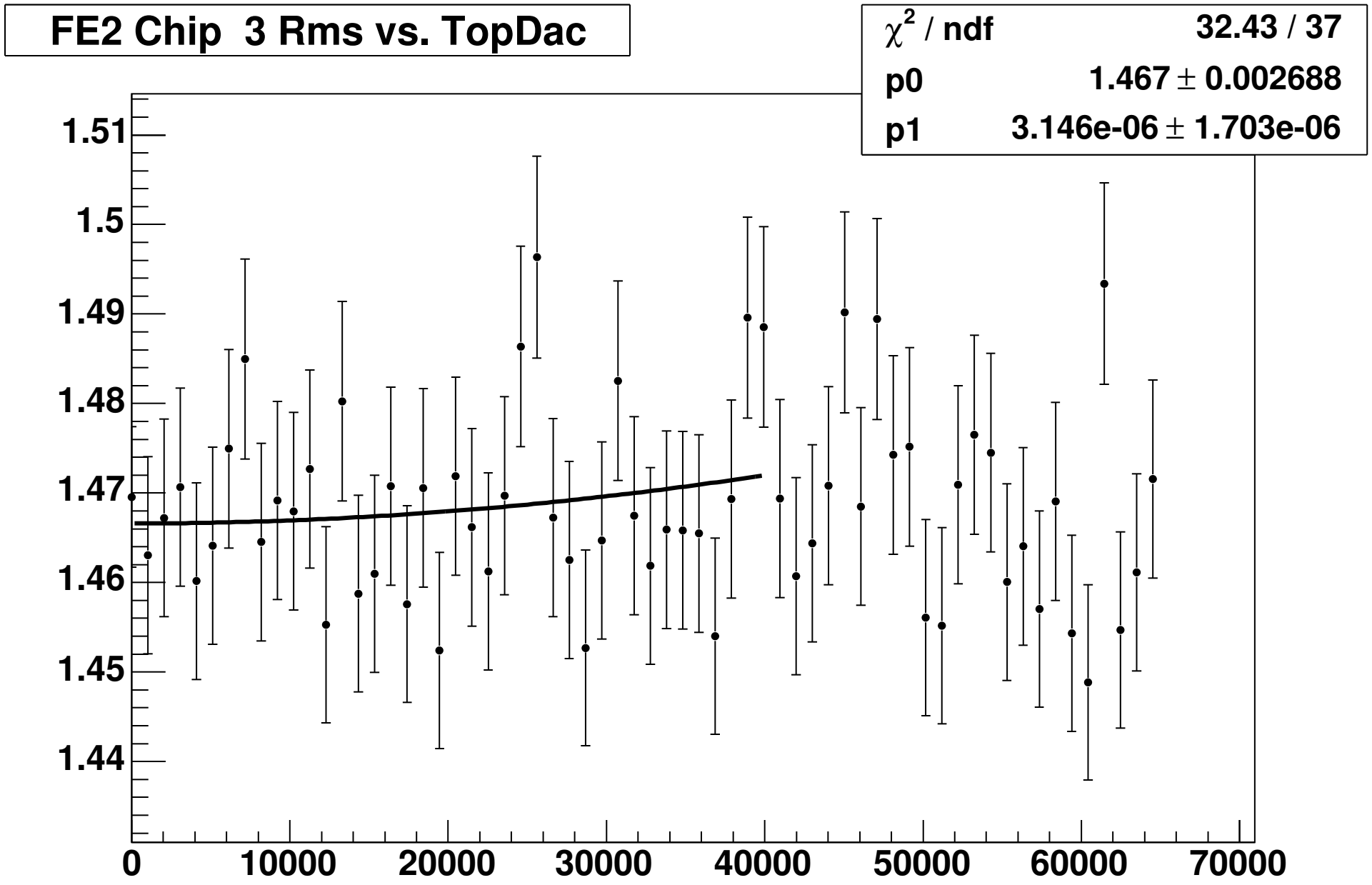
FE2 Chip 3 Rms vs. TopDac
χ² / ndf 32.43 / 37
p0 1.467 ± 0.002688
p1 3.146e-06 ± 1.703e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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30000
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50000
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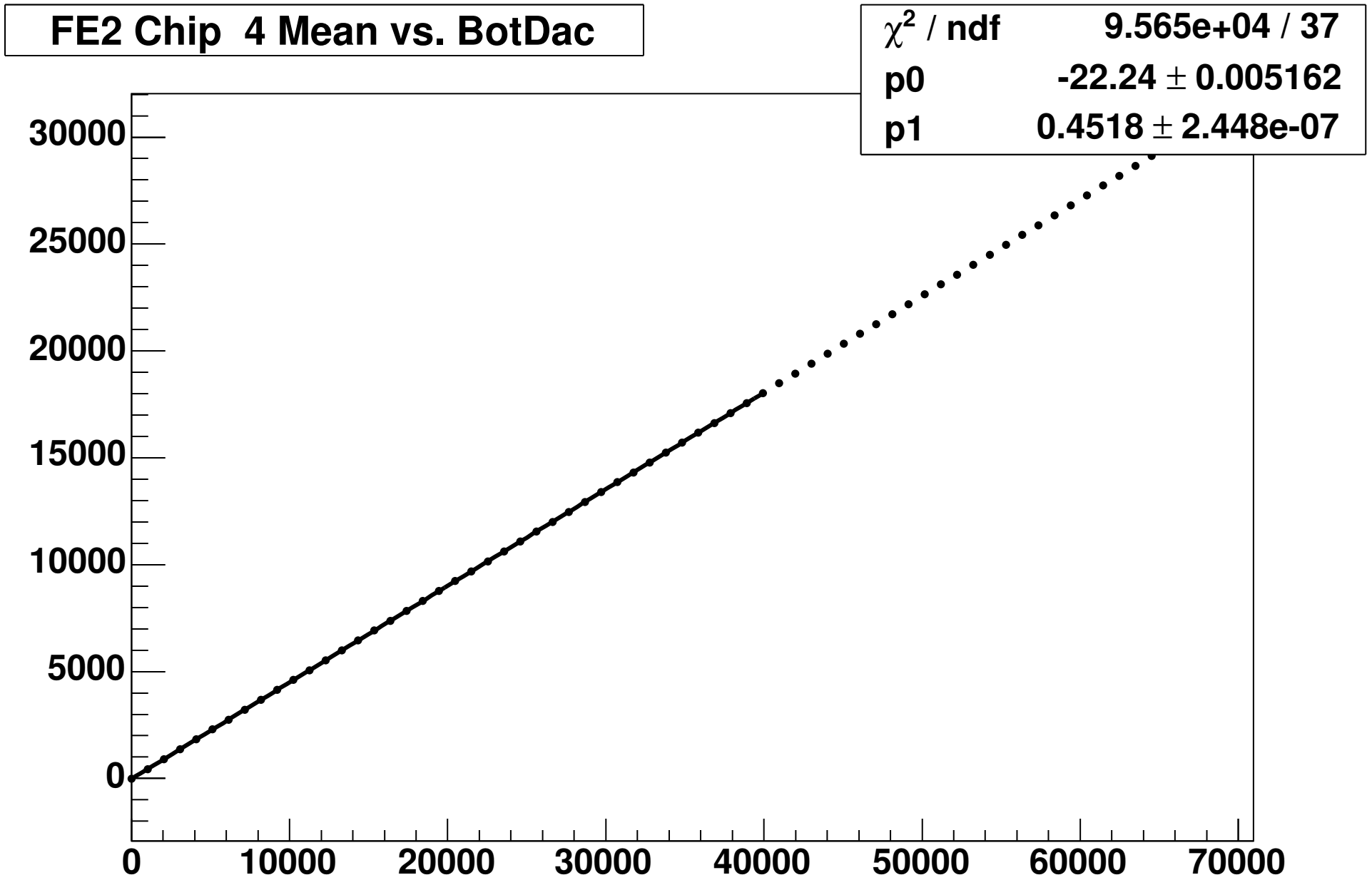
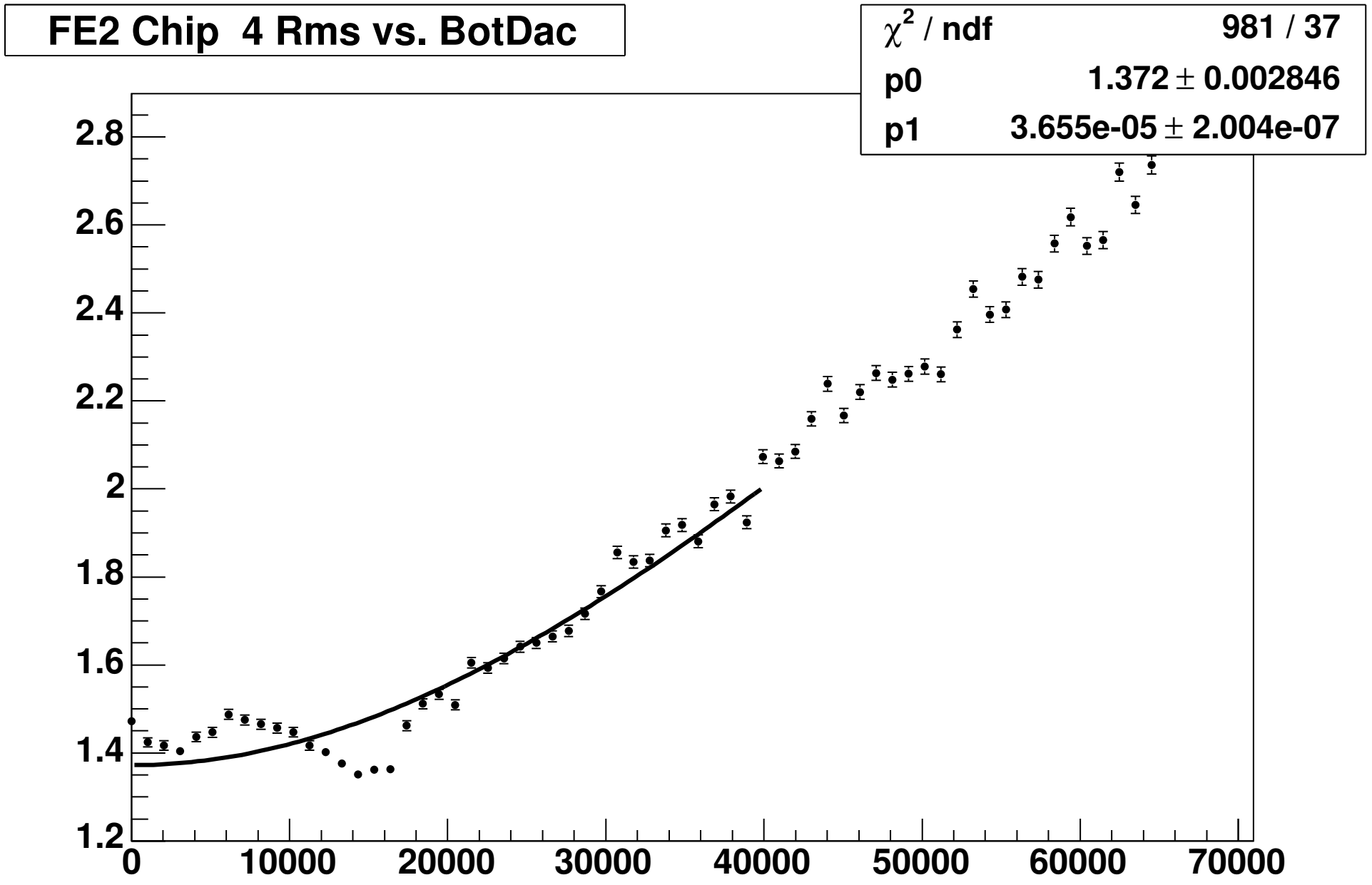

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 9.565e+04 / 37
p0 -22.24 ± 0.005162
p1 0.4518 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ^2 / ndf 981 / 37
p0 1.372 ± 0.002846
p1 3.655e-05 ± 2.004e-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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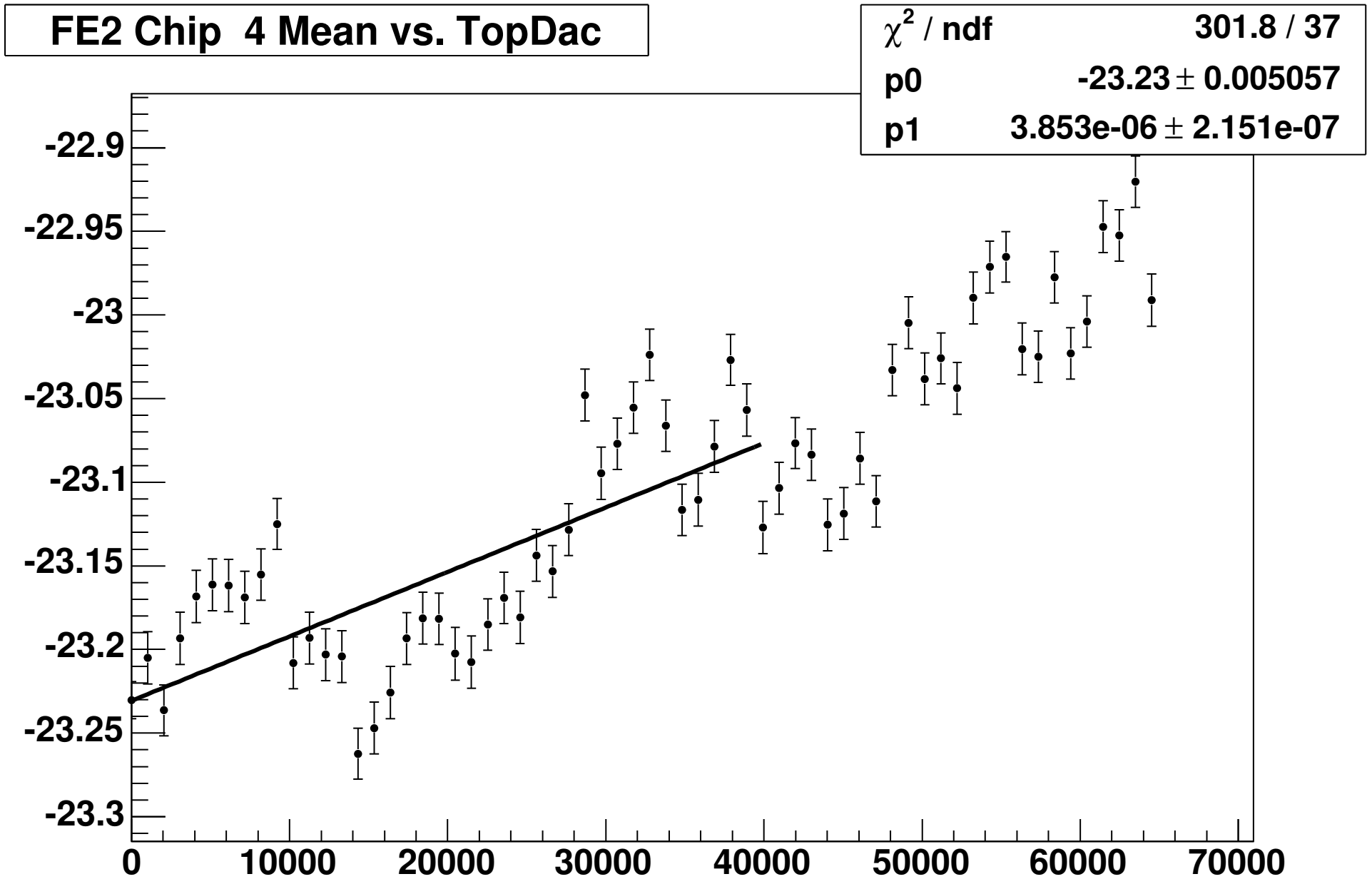
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 301.8 / 37
p0 -23.23 ± 0.005057
p1 3.853e-06 ± 2.151e-07
-22.9
-22.95
-23
-23.05
-23.1
-23.15
-23.2
-23.25
-23.3
0
10000
20000
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50000
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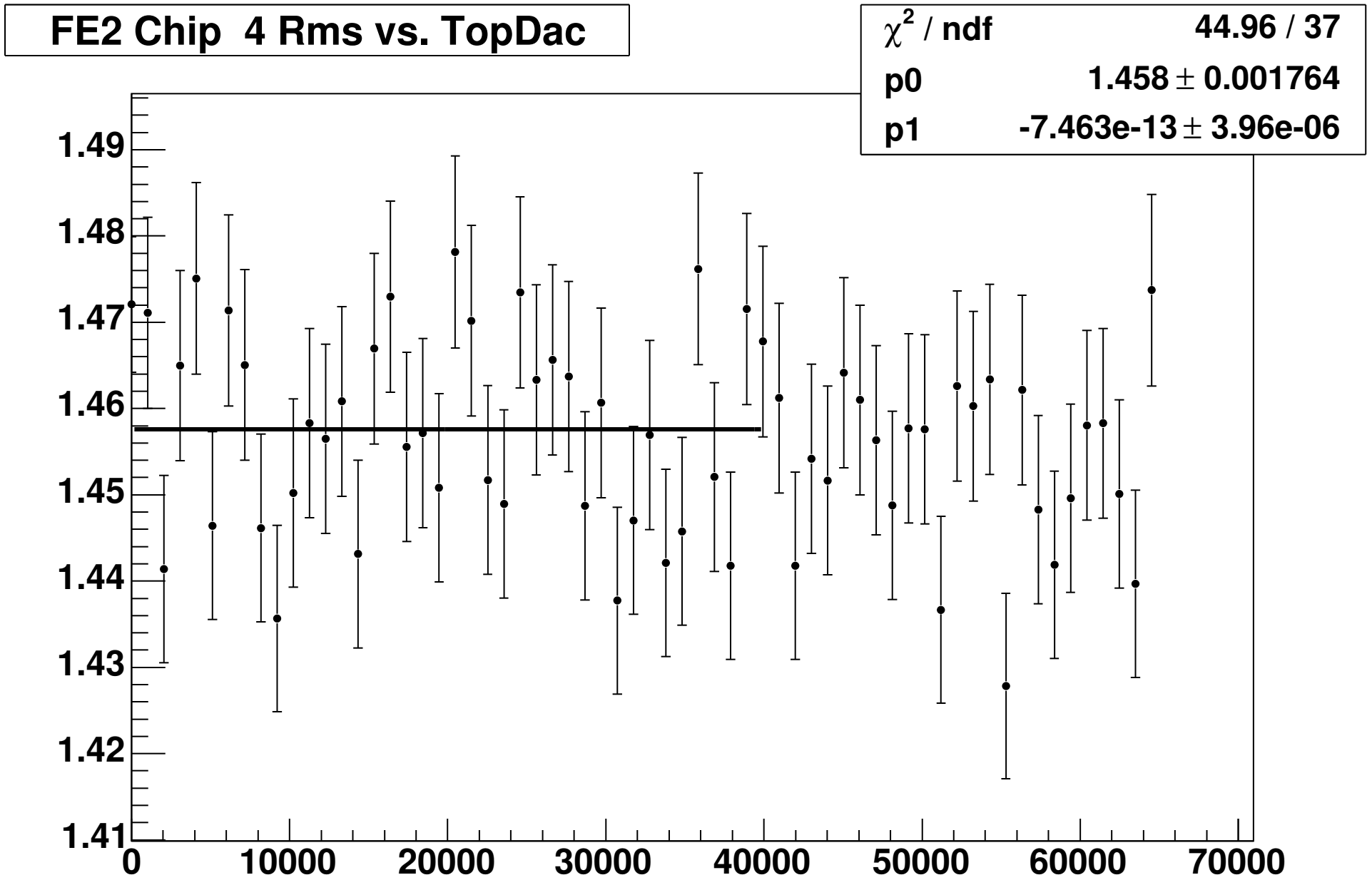
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 44.96 / 37
p0 1.458 ± 0.001764
p1 -7.463e-13 ± 3.96e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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50000
60000
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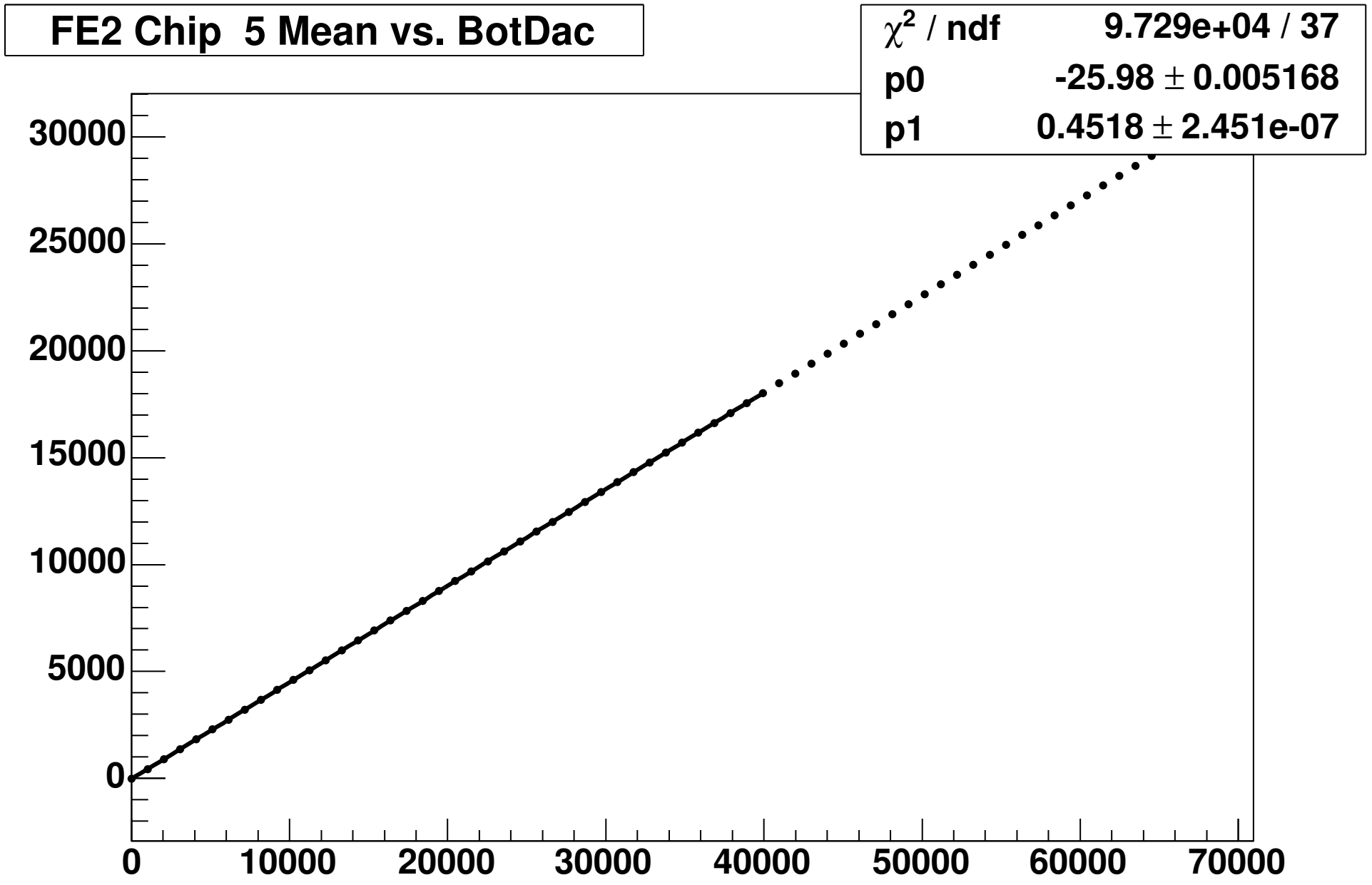
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 9.729e+04 / 37
p0 -25.98 ± 0.005168
p1 0.4518 ± 2.451e-07
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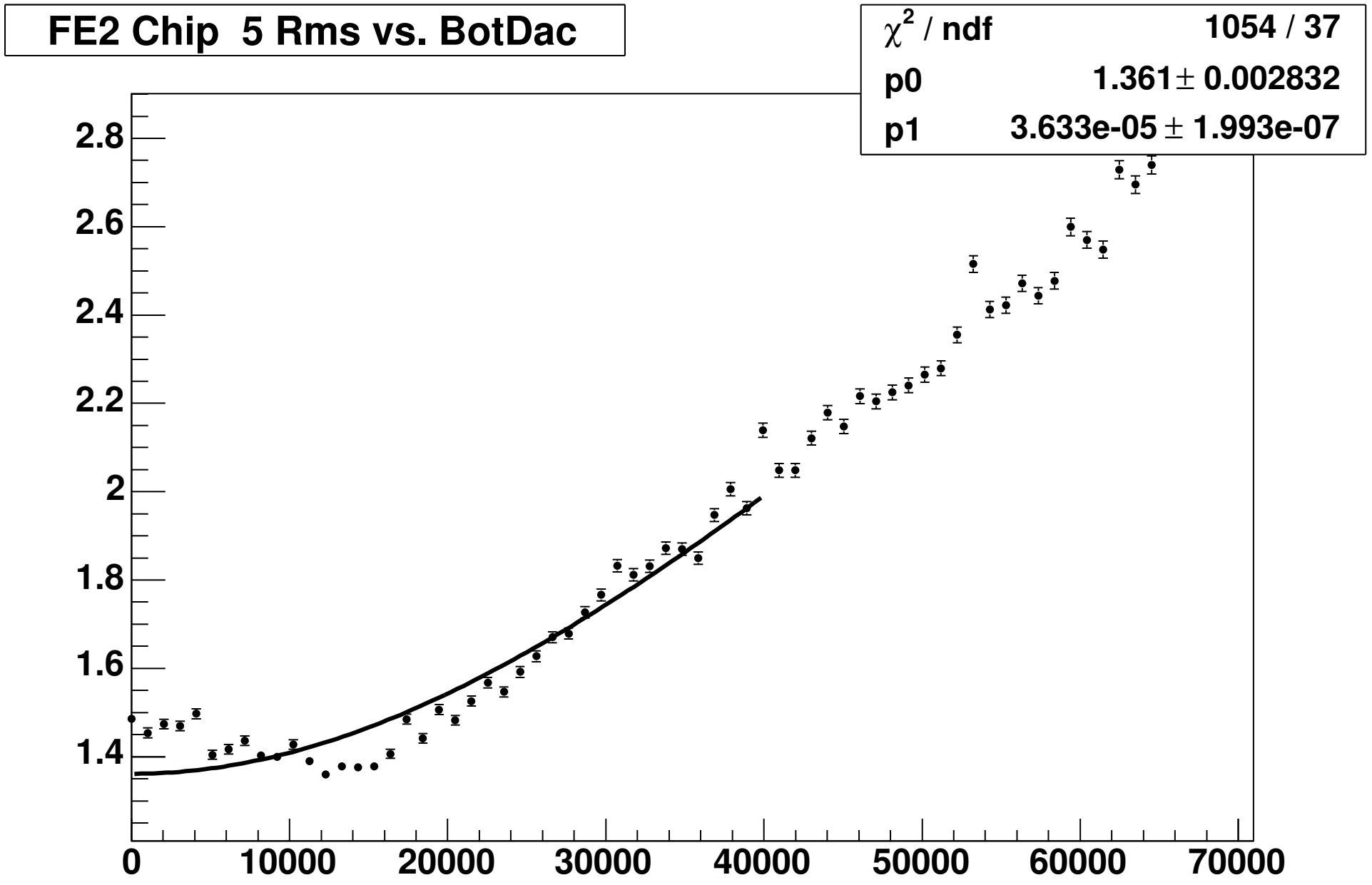
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1054 / 37
p0 1.361 ± 0.002832
p1 3.633e-05 ± 1.993e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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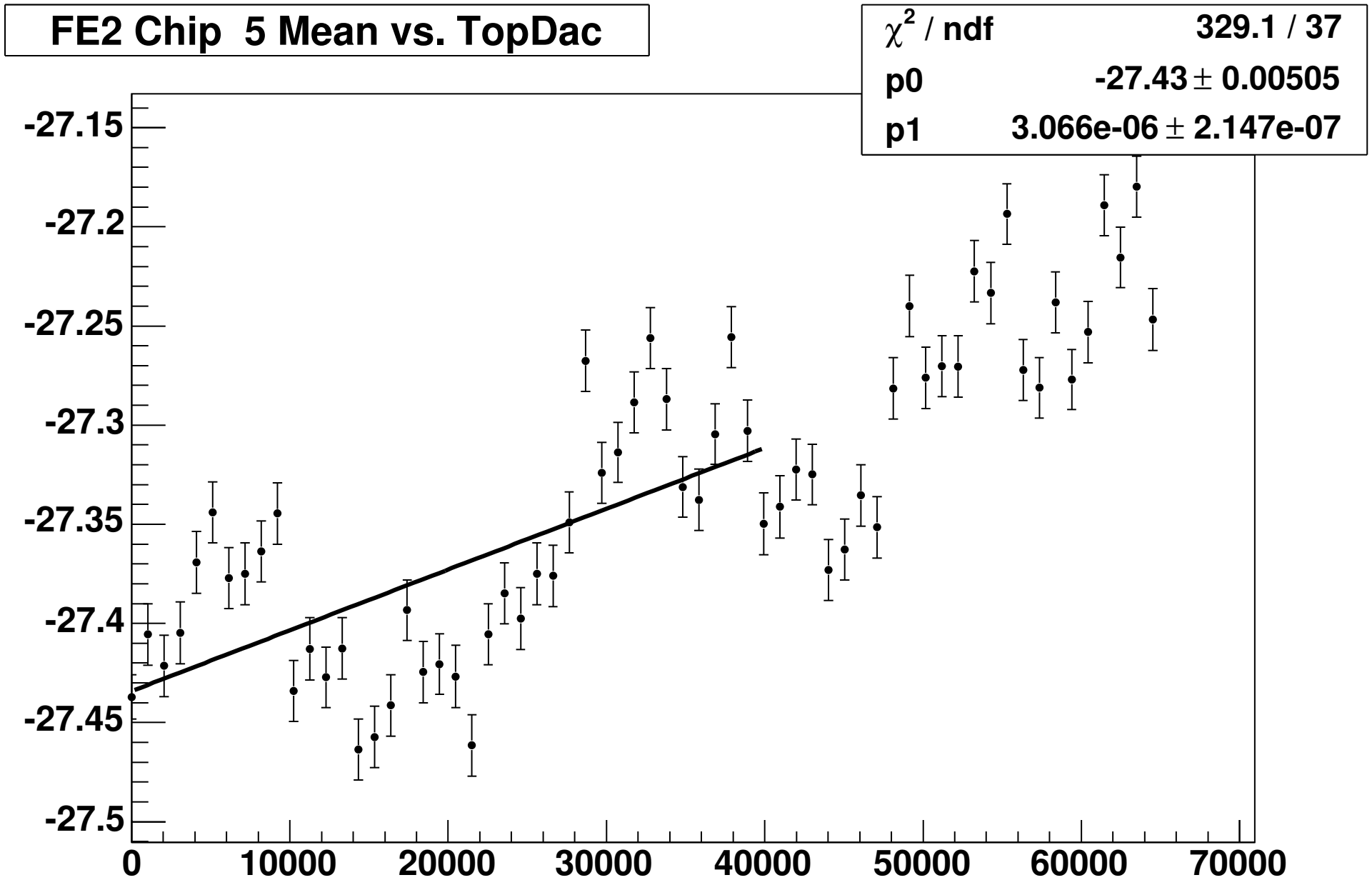
FE2 Chip 5 Mean vs. TopDac
χ² / ndf 329.1 / 37
p0 -27.43 ± 0.00505
p1 3.066e-06 ± 2.147e-07
-27.15
-27.2
-27.25
-27.3
-27.35
-27.4
-27.45
-27.5
0
10000
20000
30000
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60000
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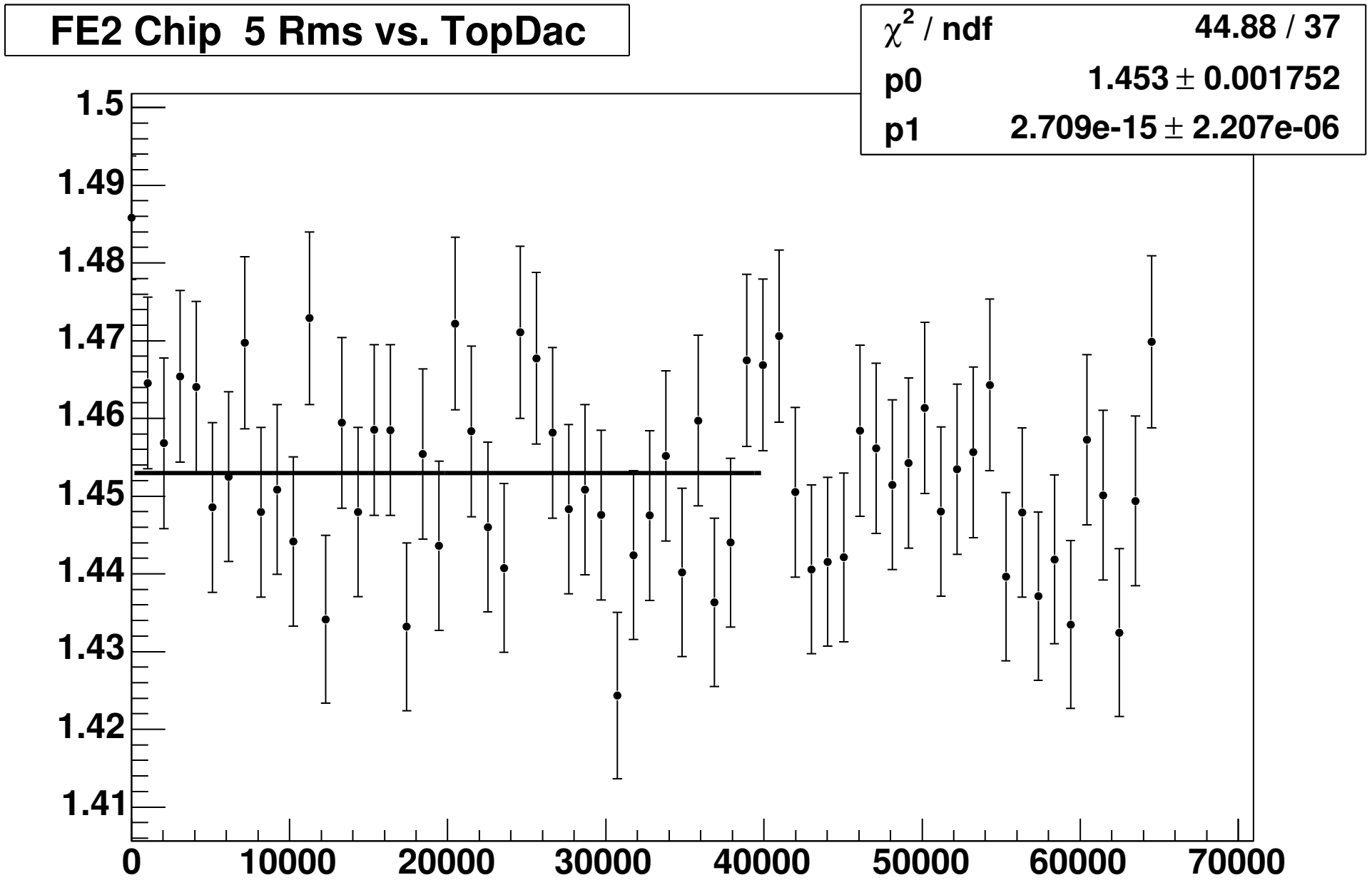
FE2 Chip 5 Rms vs. TopDac
χ² / ndf 44.88 / 37
p0 1.453 ± 0.001752
p1 2.709e-15 ± 2.207e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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30000
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60000
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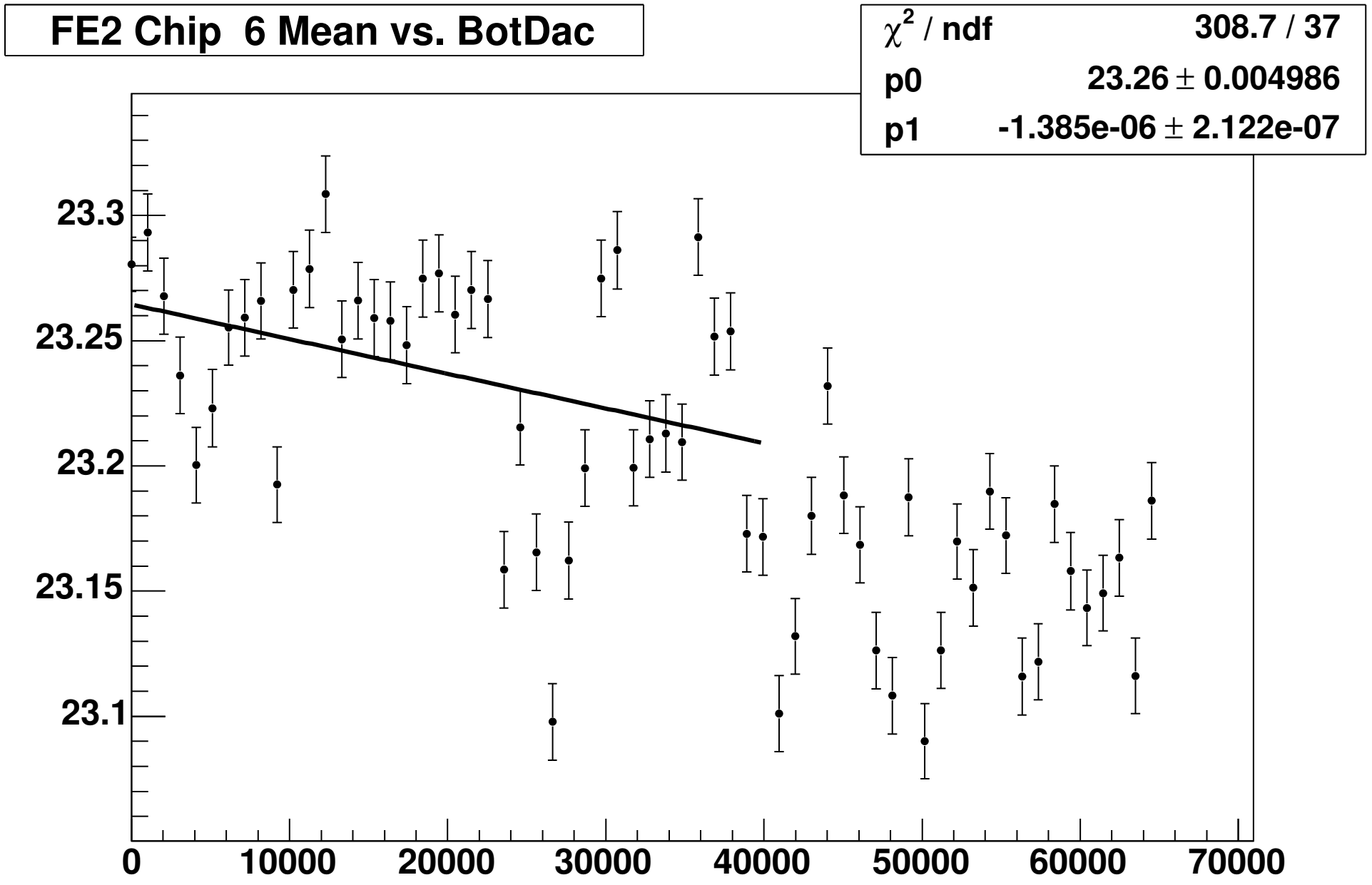
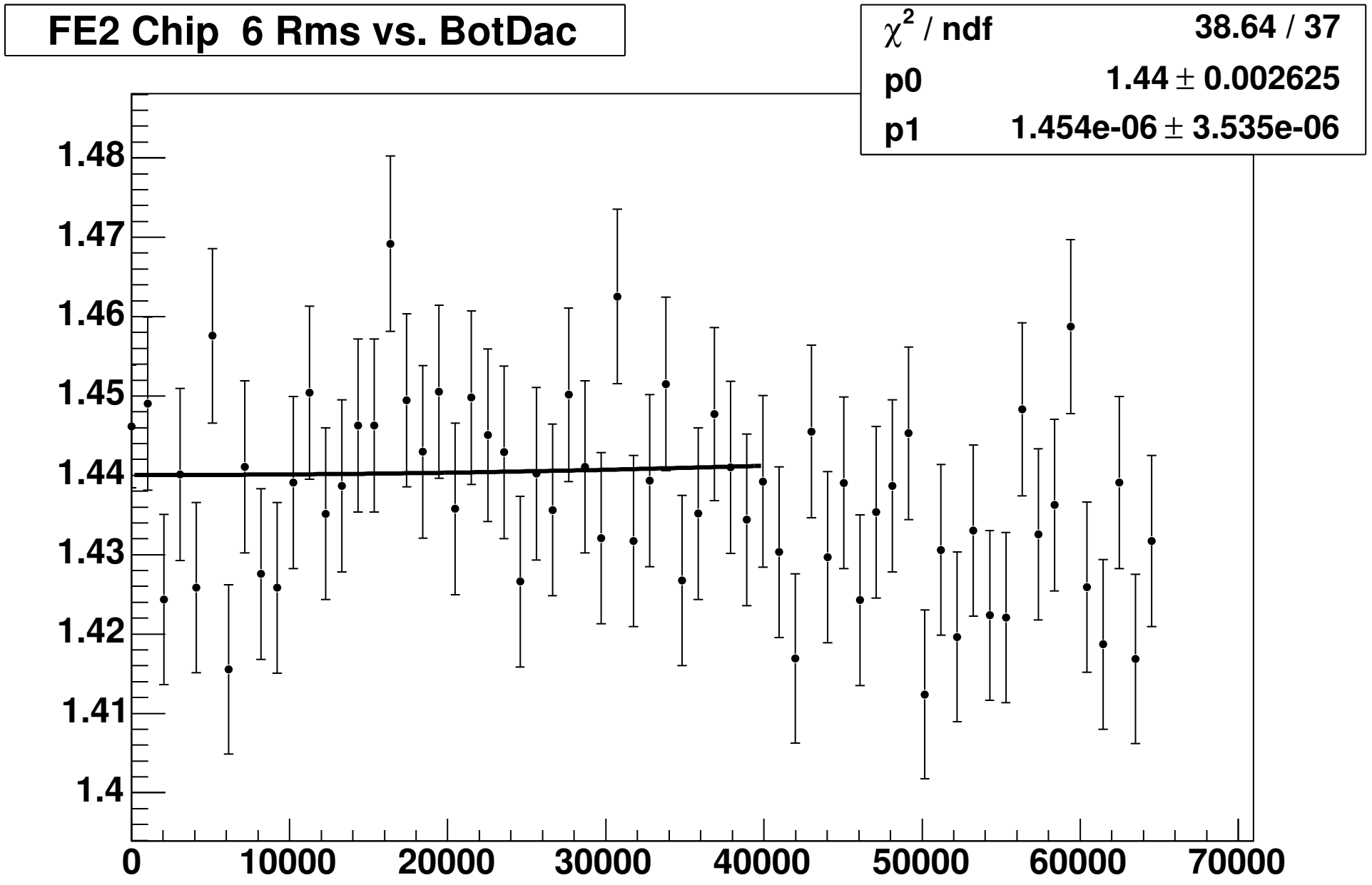

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 308.7 / 37
p0 23.26 ± 0.004986
p1 -1.385e-06 ± 2.122e-07
23.3
23.25
23.2
23.15
23.1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 38.64 / 37
p0 1.44 ± 0.002625
p1 1.454e-06 ± 3.535e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
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40000
50000
60000
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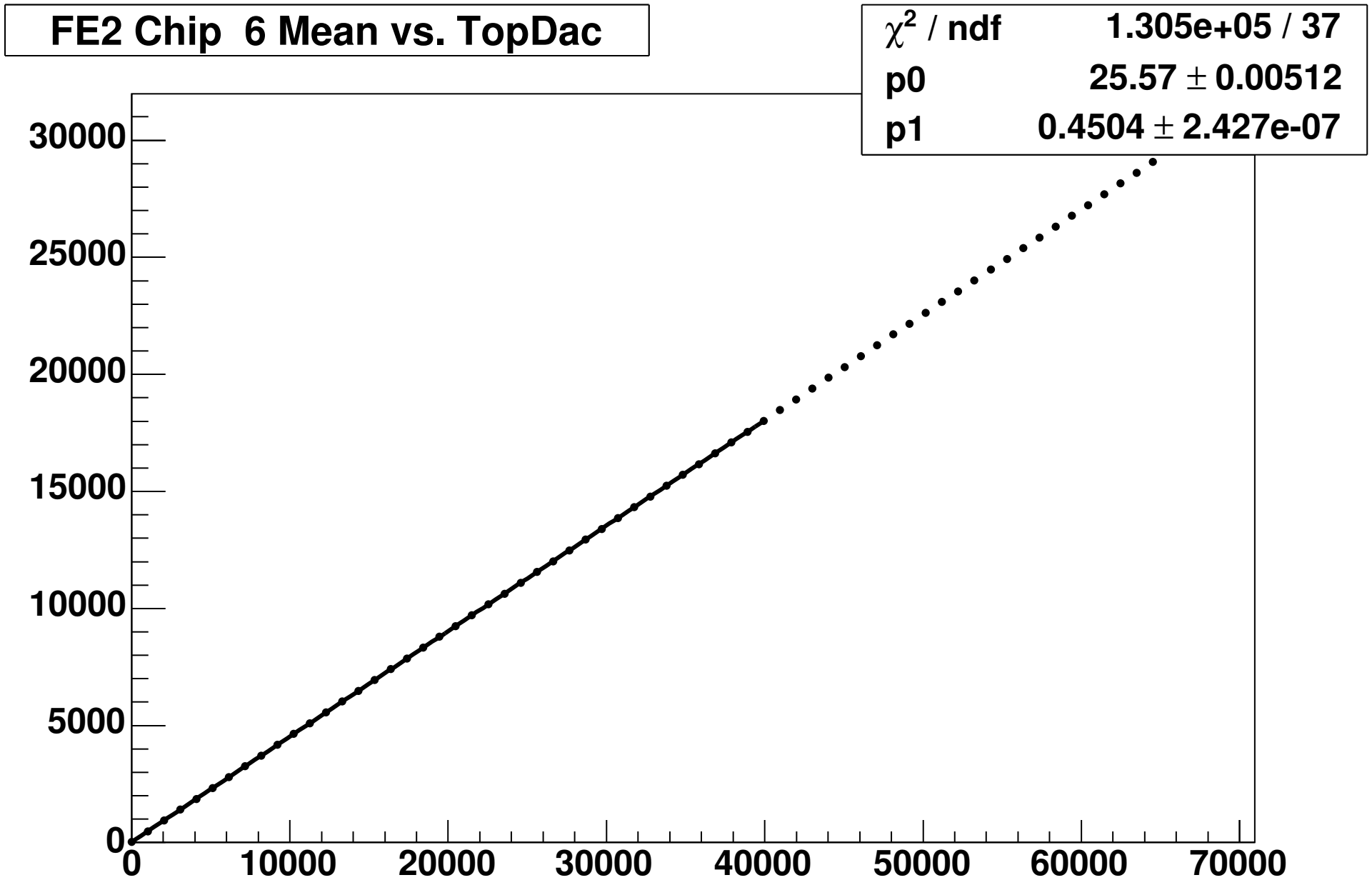
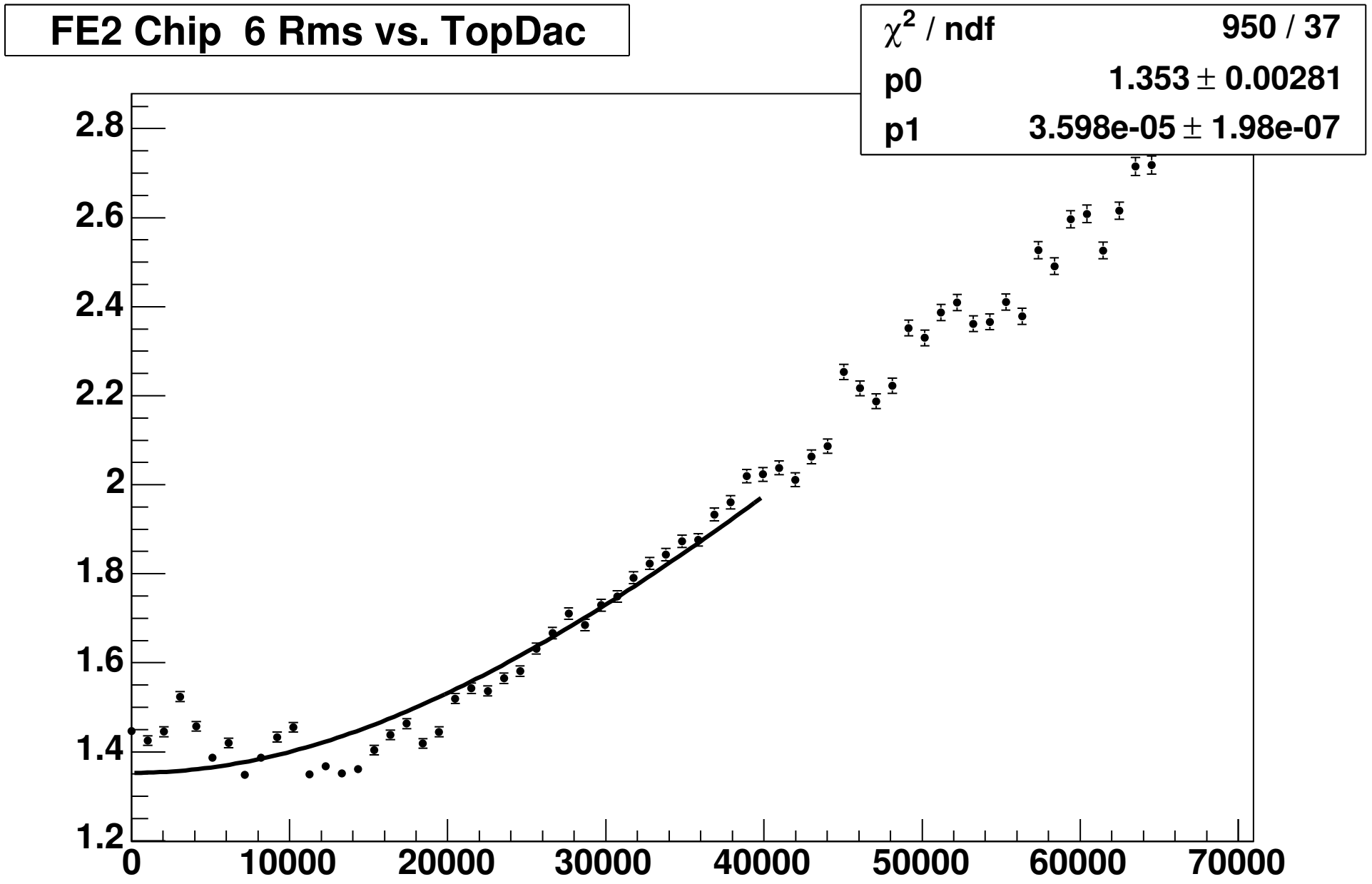
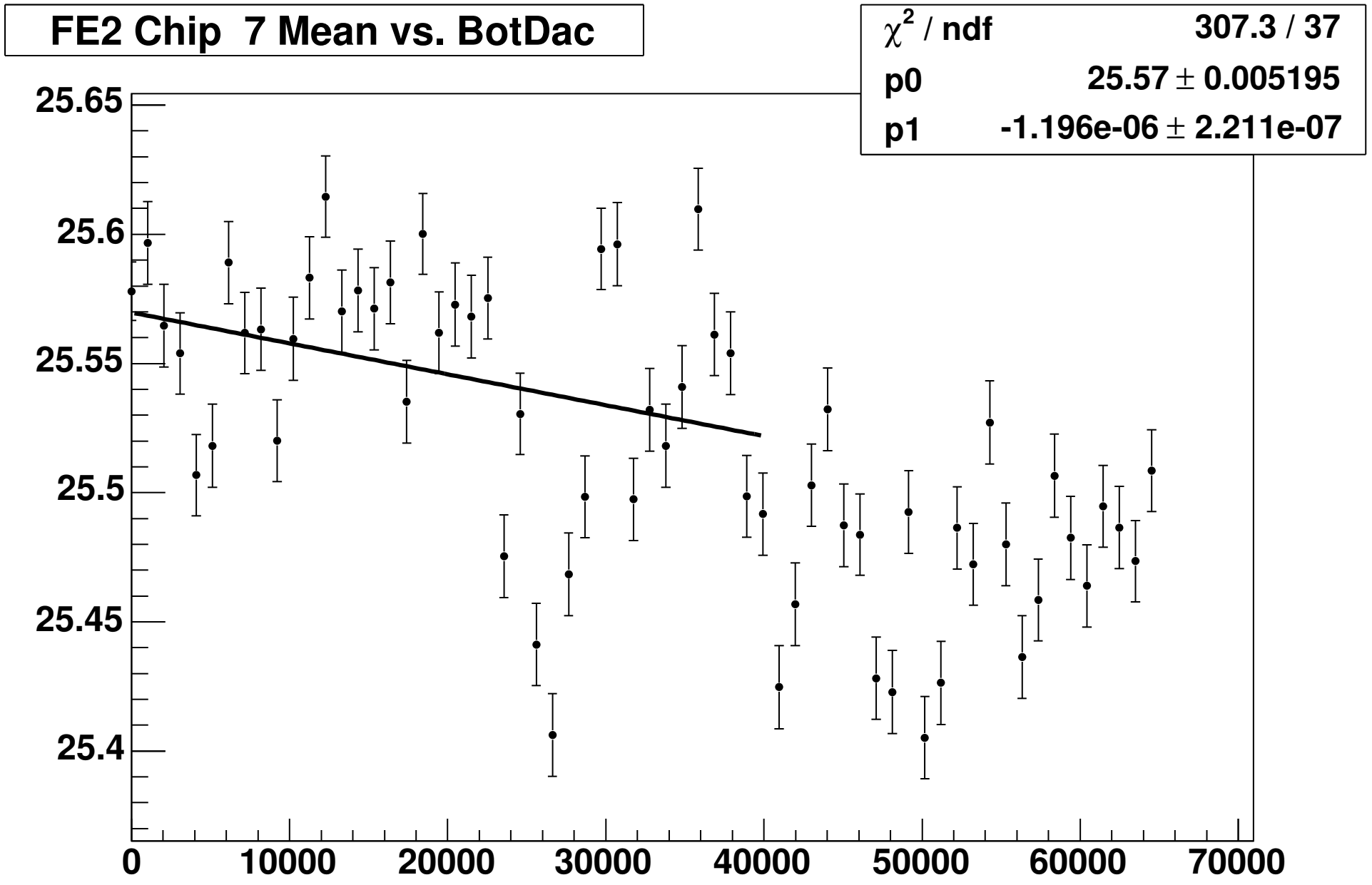
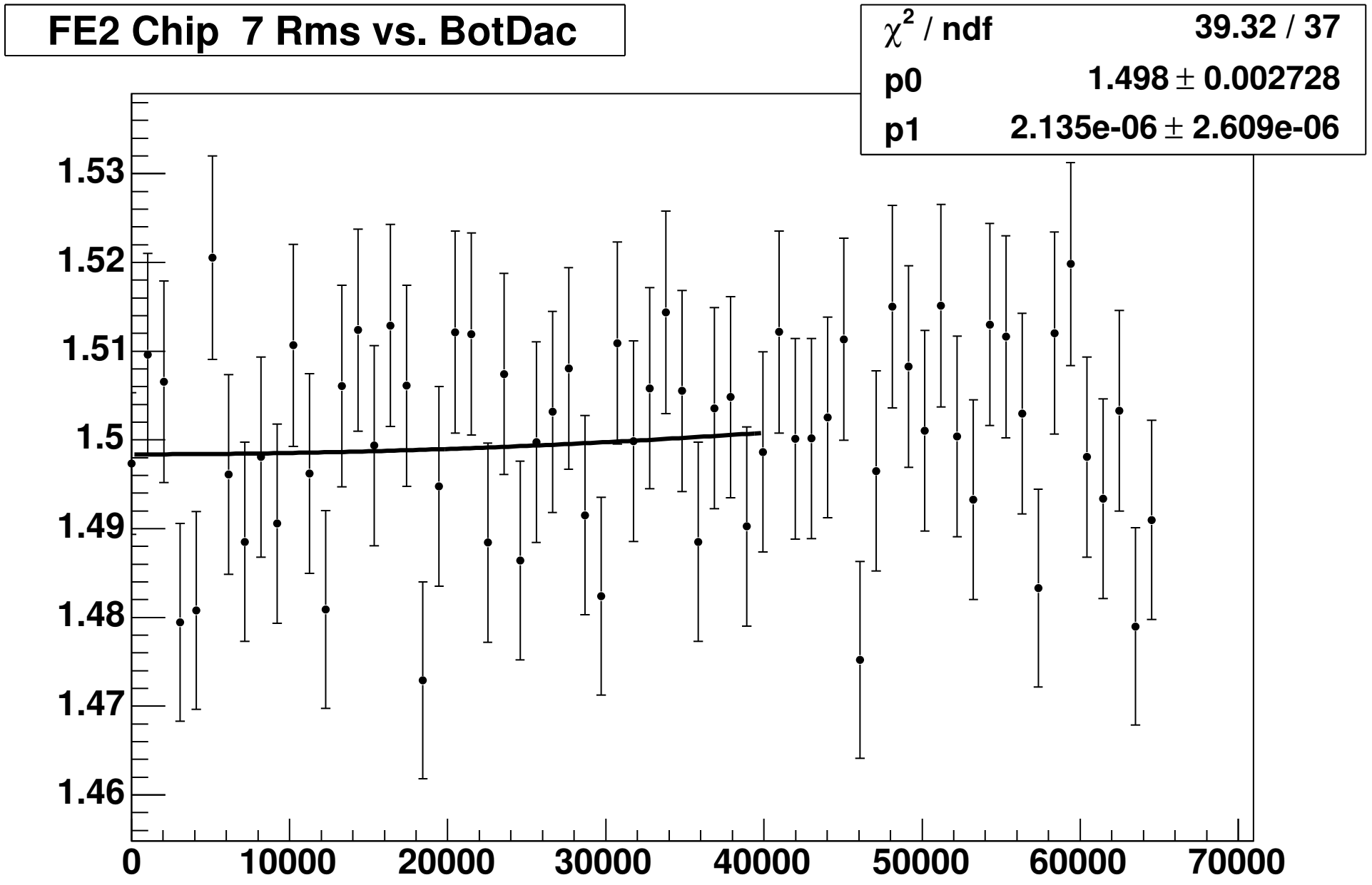

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.305e+05 / 37
p0 25.57 ± 0.00512
p1 0.4504 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 950 / 37
p0 1.353 ± 0.00281
p1 3.598e-05 ± 1.98e-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 7 Mean vs. BotDac
χ² / ndf 307.3 / 37
p0 25.57 ± 0.005195
p1 -1.196e-06 ± 2.211e-07
25.65
25.6
25.55
25.5
25.45
25.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 39.32 / 37
p0 1.498 ± 0.002728
p1 2.135e-06 ± 2.609e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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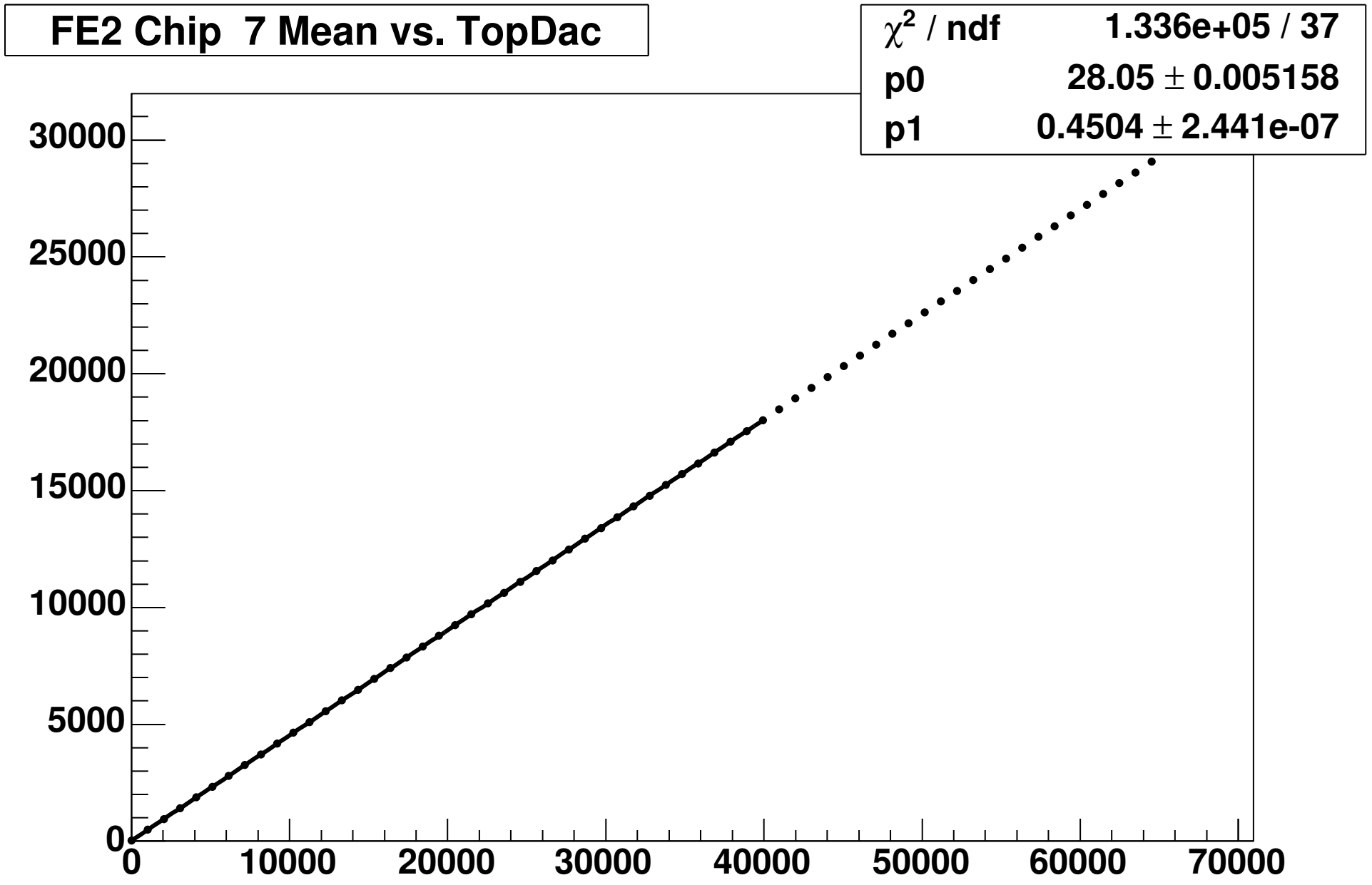
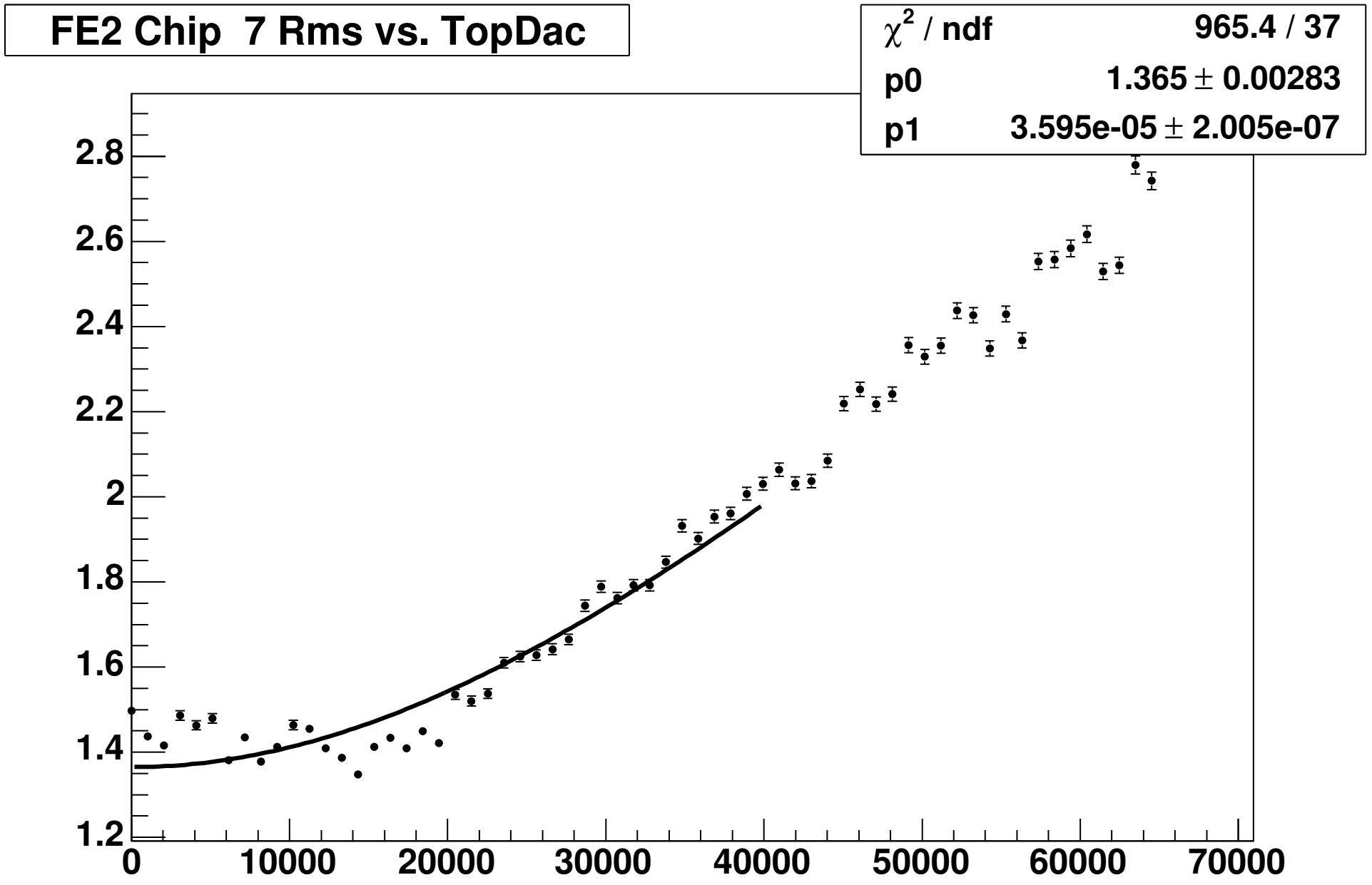
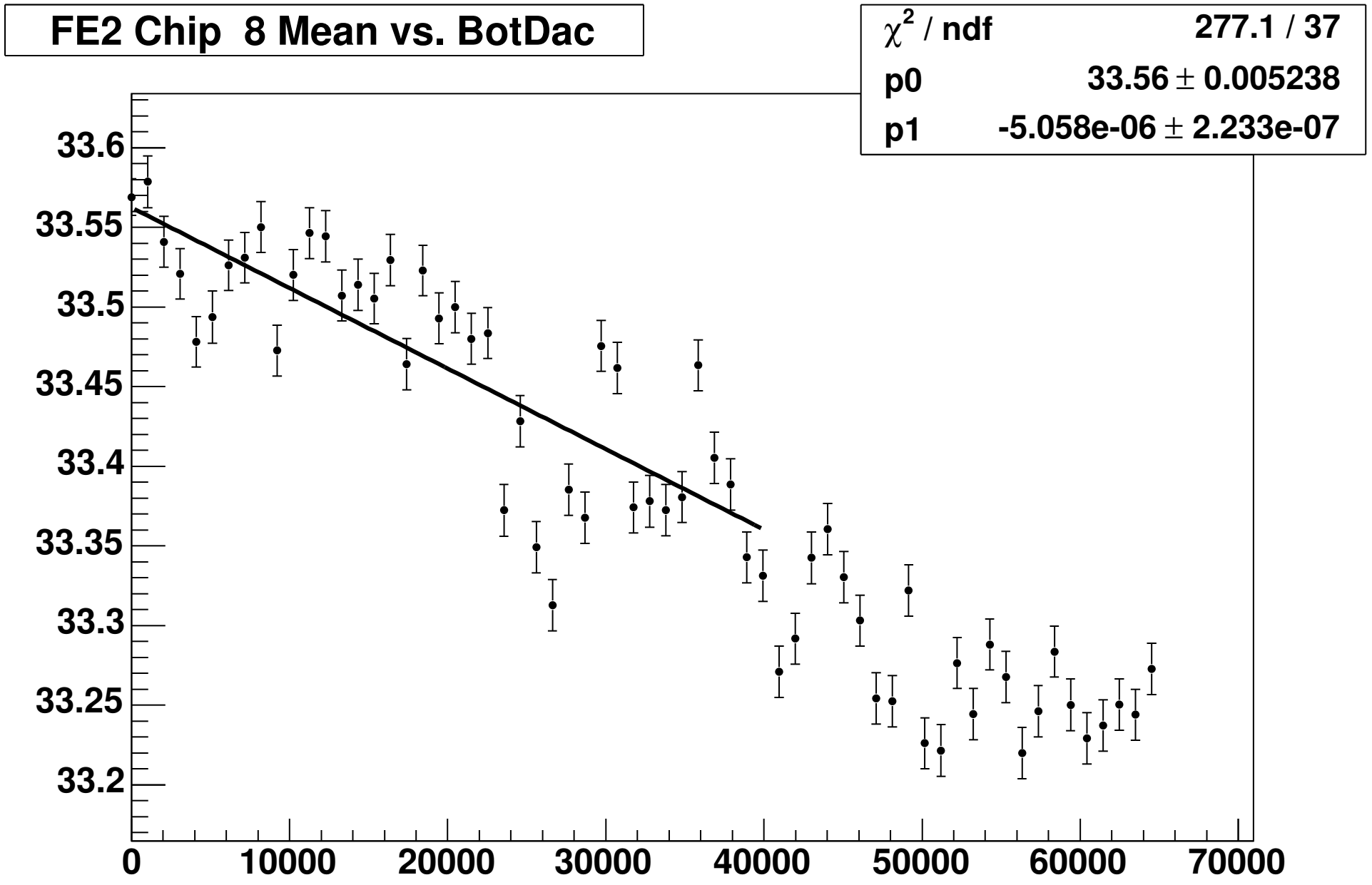
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.336e+05 / 37
p0 28.05 ± 0.005158
p1 0.4504 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 965.4 / 37
p0 1.365 ± 0.00283
p1 3.595e-05 ± 2.005e-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 8 Mean vs. BotDac
χ² / ndf 277.1 / 37
p0 33.56 ± 0.005238
p1 -5.058e-06 ± 2.233e-07
33.6
33.55
33.5
33.45
33.4
33.35
33.3
33.25
33.2
0
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20000
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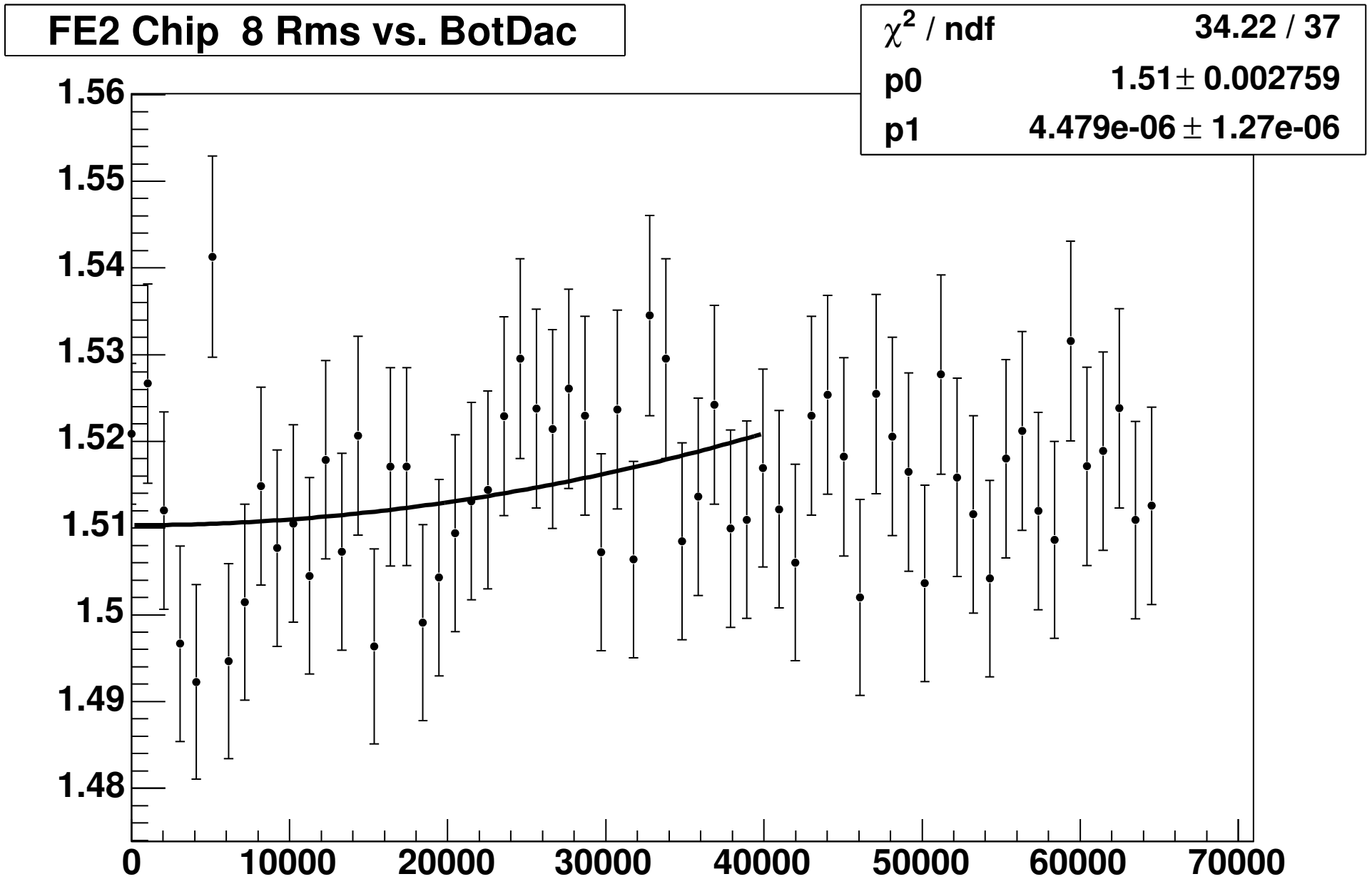
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 34.22 / 37
p0 1.51 ± 0.002759
p1 4.479e-06 ± 1.27e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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20000
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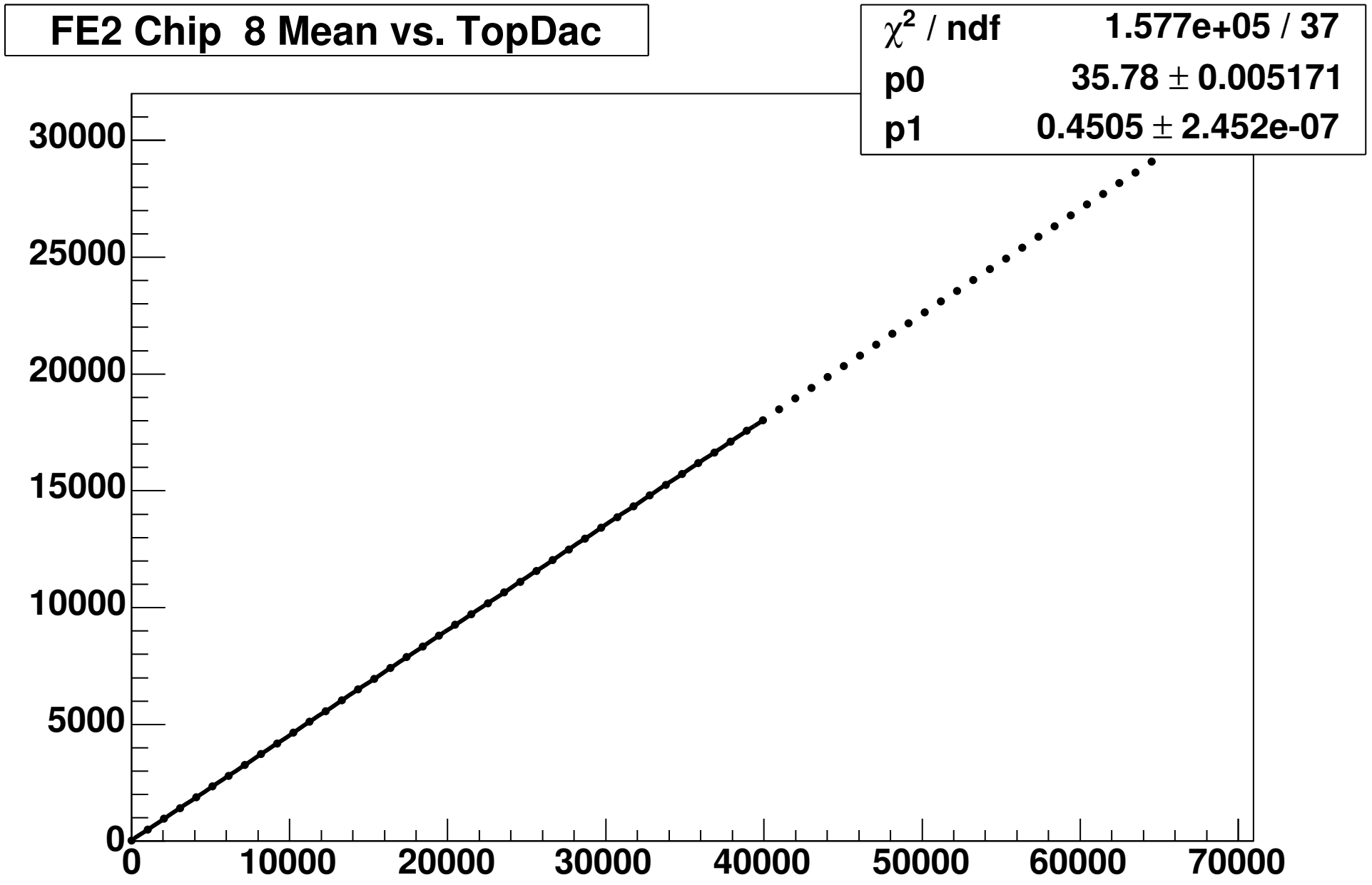
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.577e+05 / 37
p0 35.78 ± 0.005171
p1 0.4505 ± 2.452e-07
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15000
10000
5000
0
0
10000
20000
30000
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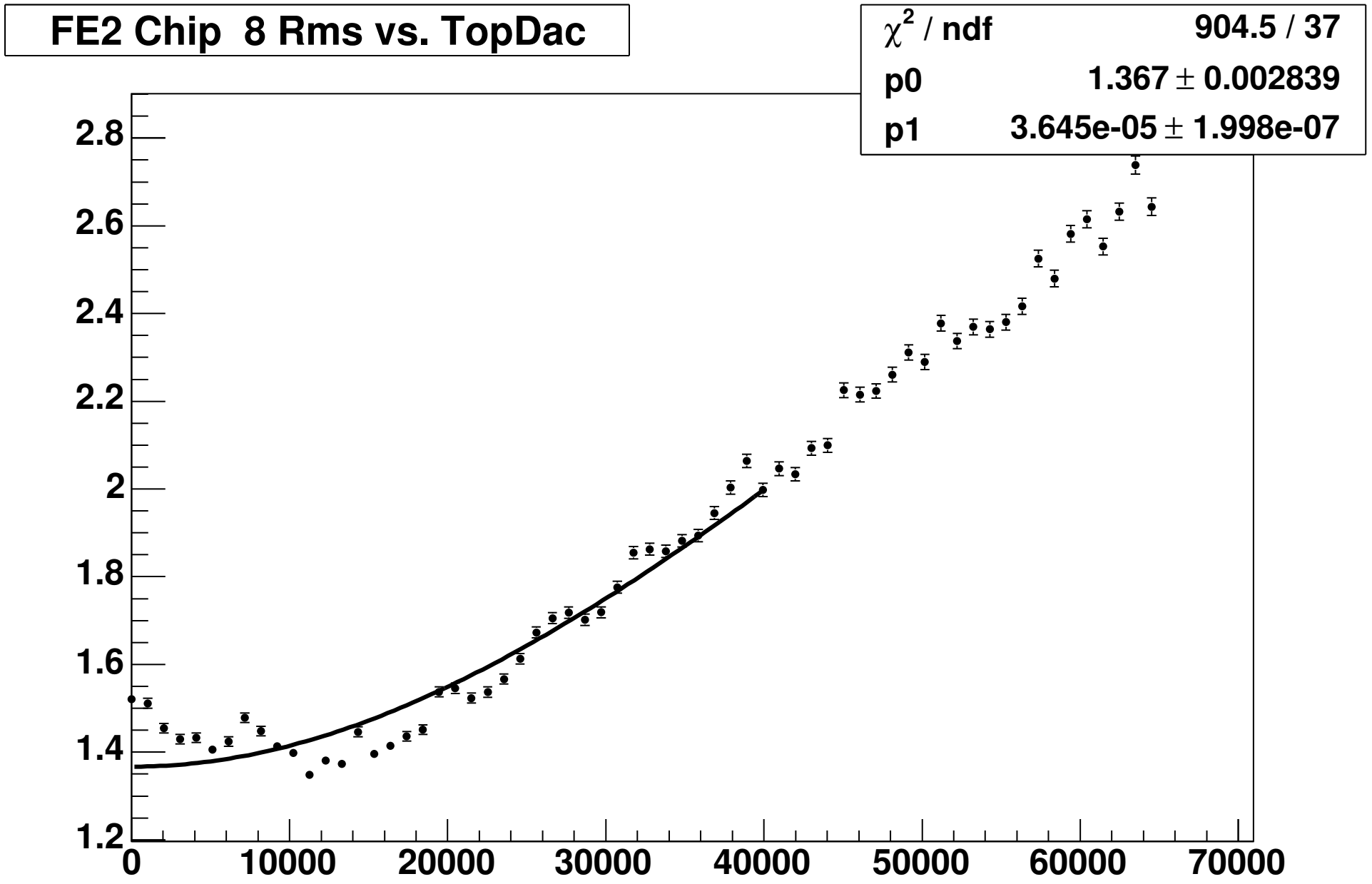
FE2 Chip 8 Rms vs. TopDac
χ² / ndf 904.5 / 37
p0 1.367 ± 0.002839
p1 3.645e-05 ± 1.998e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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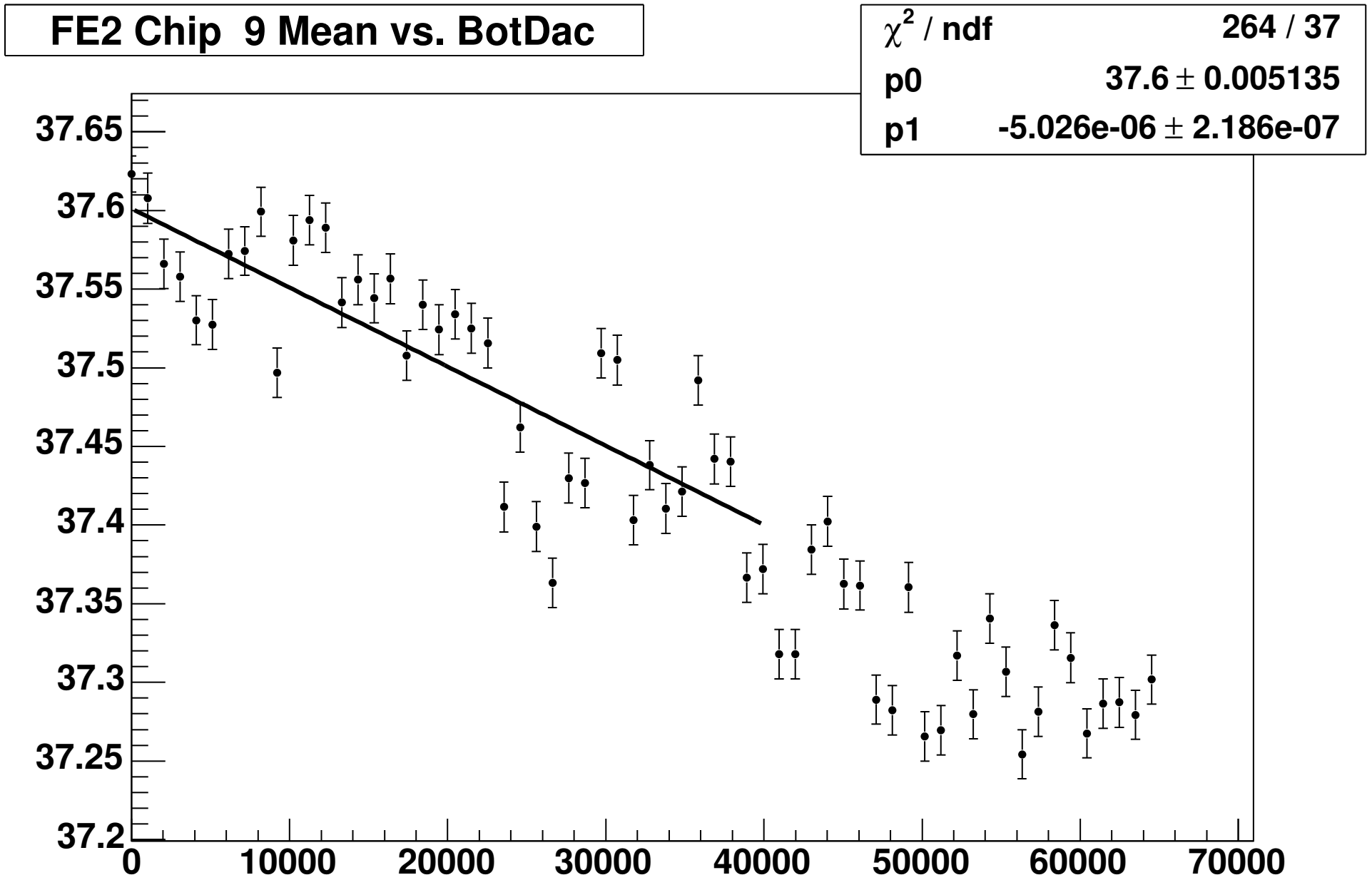
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 264 / 37
p0 37.6 ± 0.005135
p1 -5.026e-06 ± 2.186e-07
37.65
37.6
37.55
37.5
37.45
37.4
37.35
37.3
37.25
37.2
0
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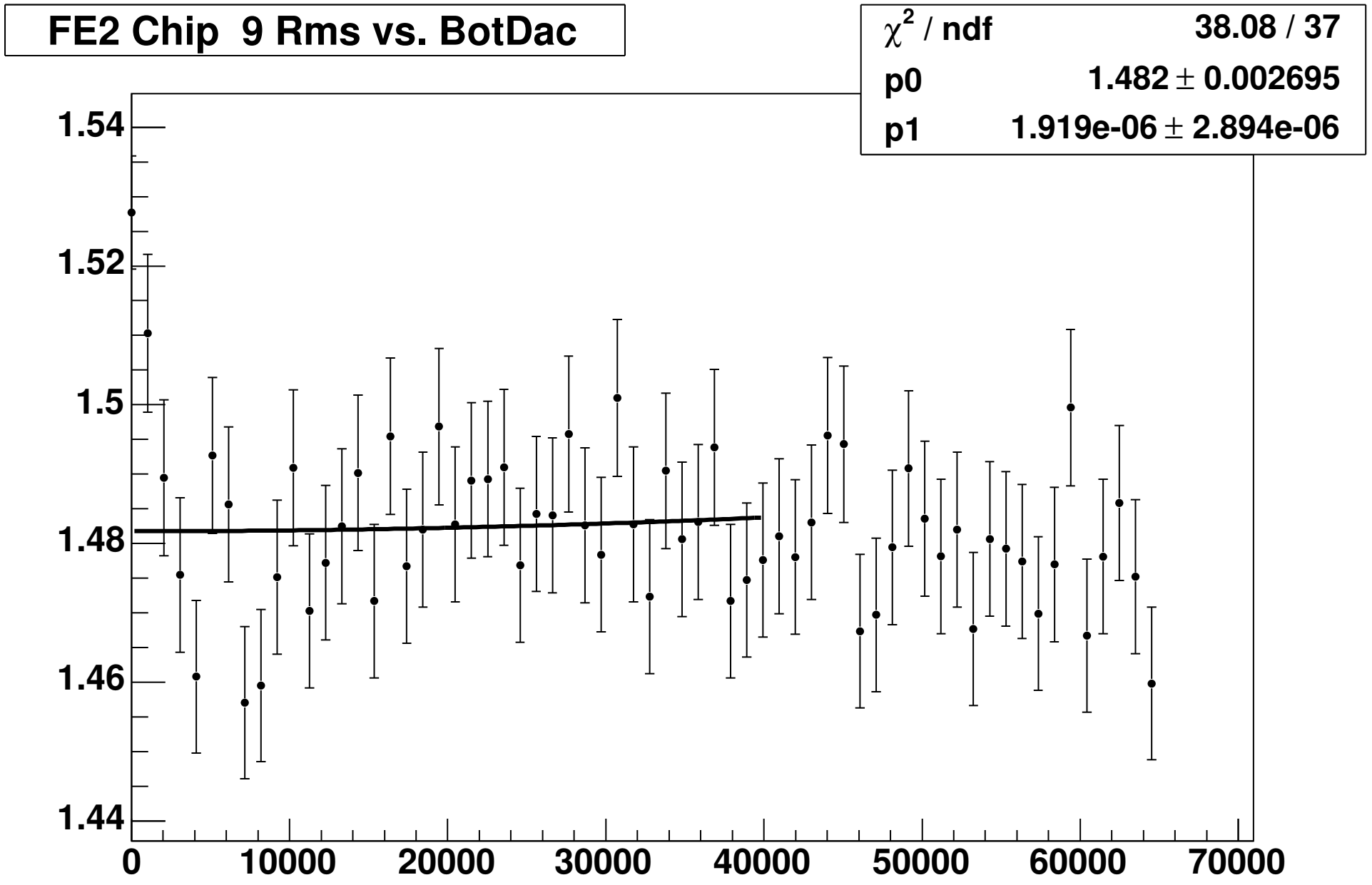
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 38.08 / 37
p0 1.482 ± 0.002695
p1 1.919e-06 ± 2.894e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
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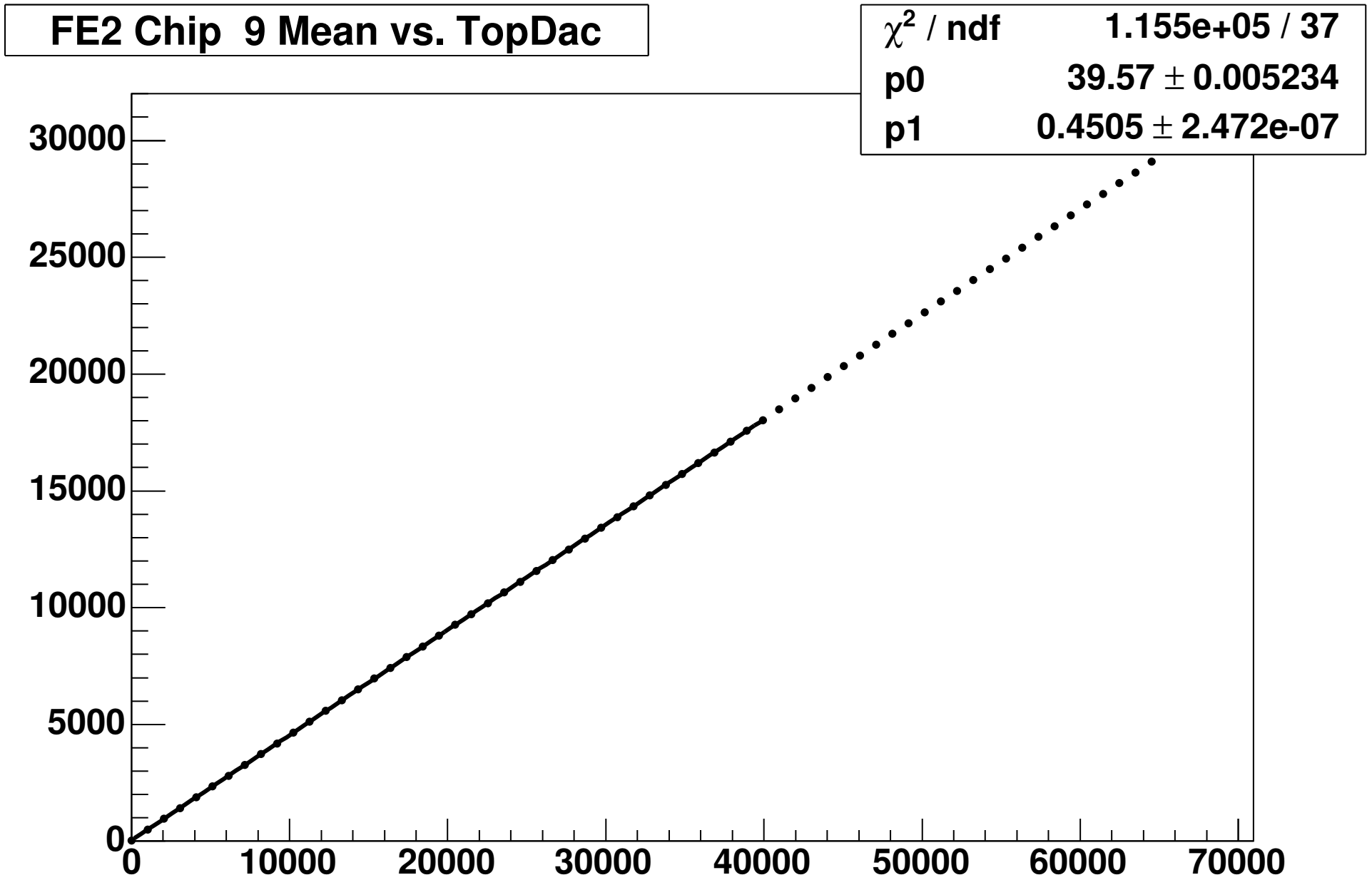
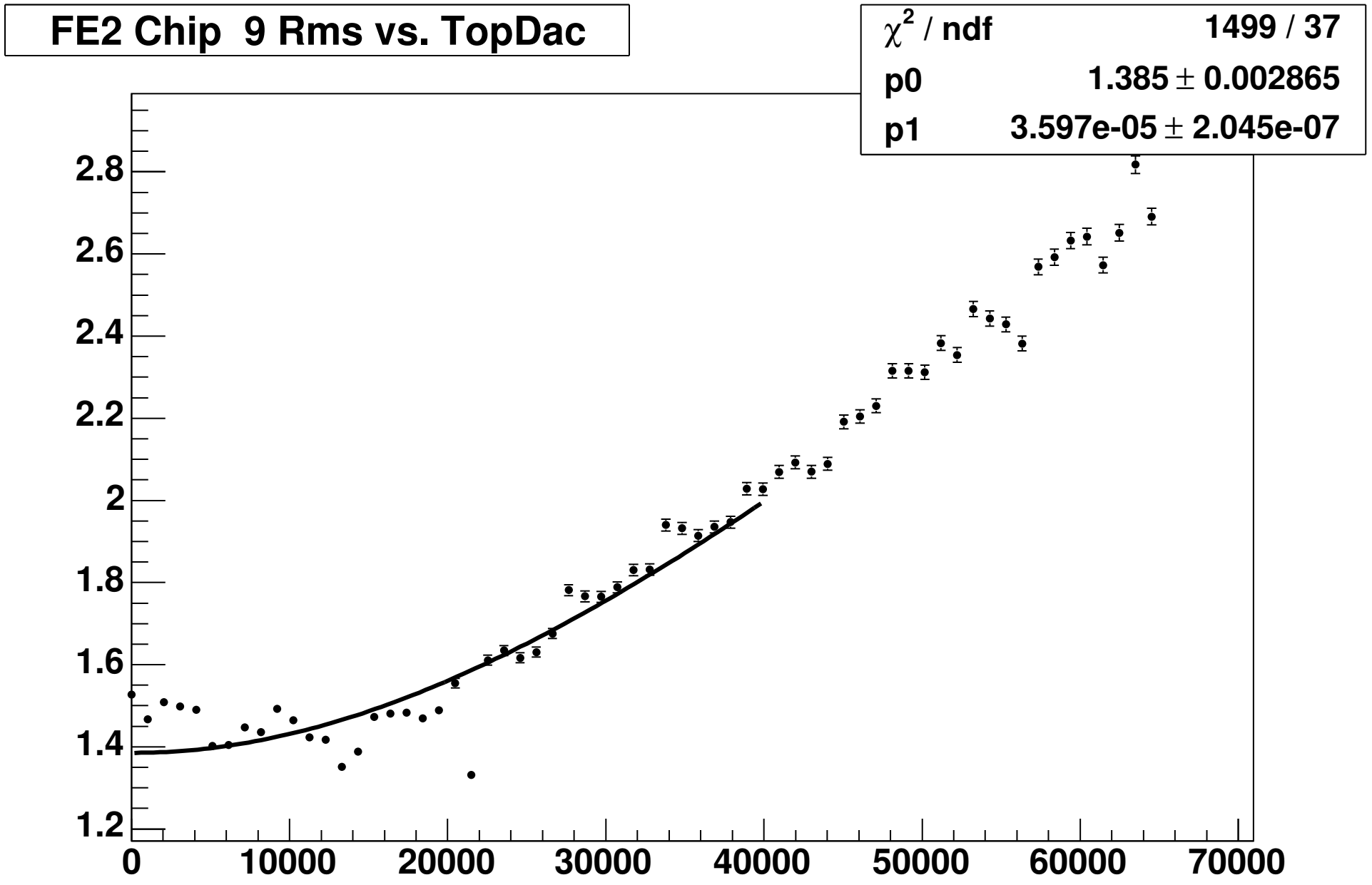

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.155e+05 / 37
p0 39.57 ± 0.005234
p1 0.4505 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1499 / 37
p0 1.385 ± 0.002865
p1 3.597e-05 ± 2.045e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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30000
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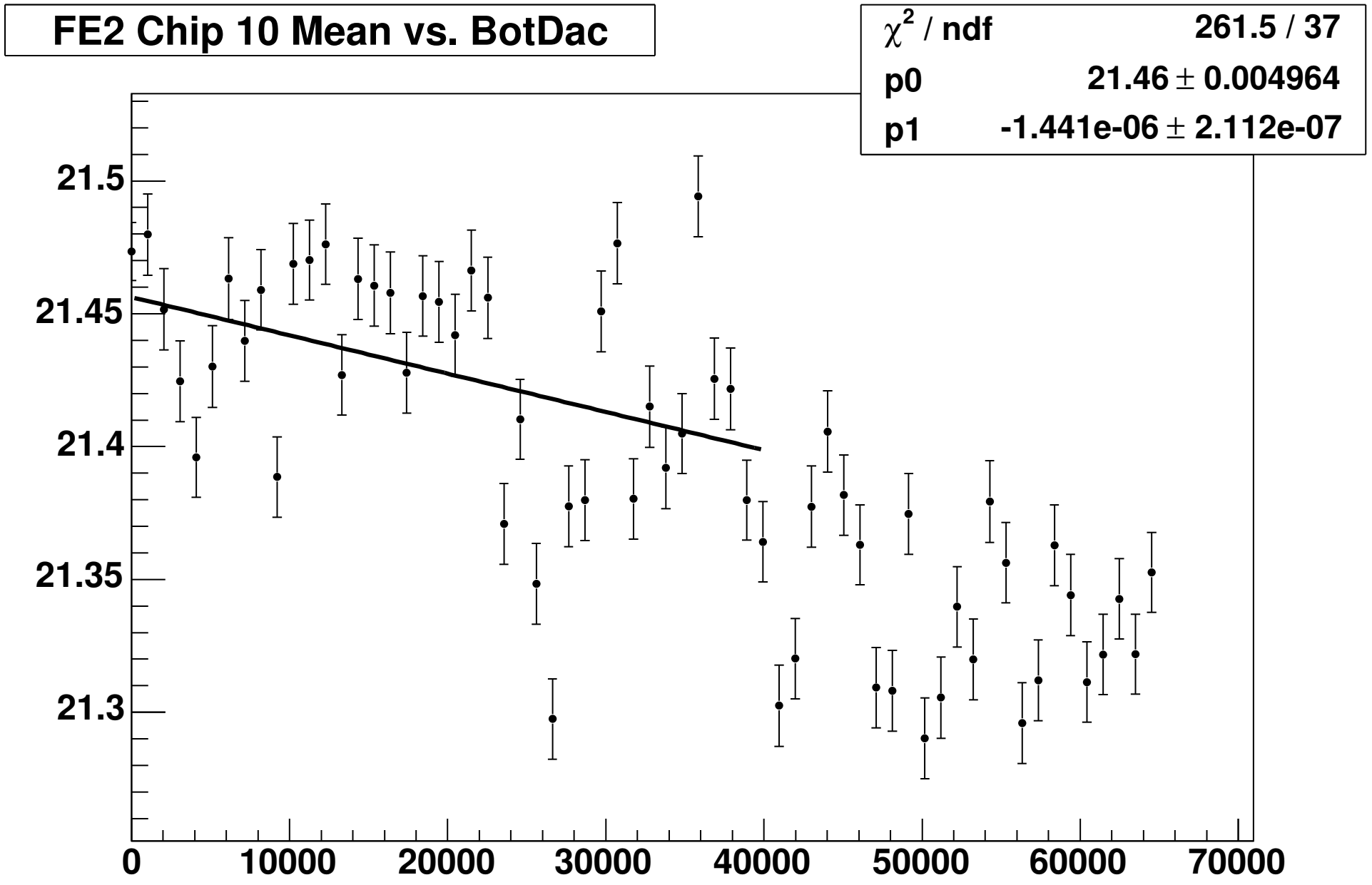
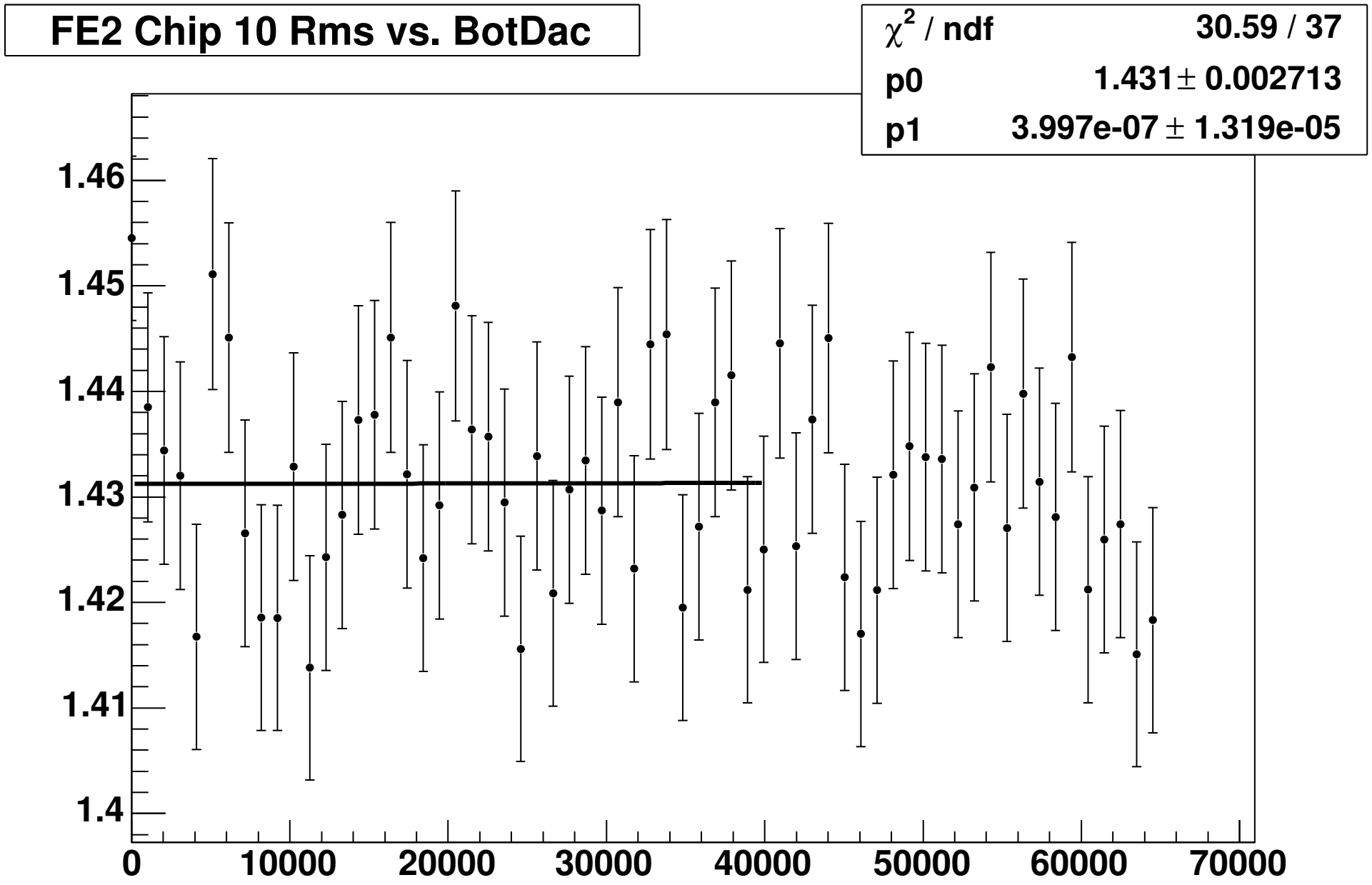

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 261.5 / 37
p0 21.46 ± 0.004964
p1 -1.441e-06 ± 2.112e-07
21.5
21.45
21.4
21.35
21.3
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 30.59 / 37
p0 1.431 ± 0.002713
p1 3.997e-07 ± 1.319e-05
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
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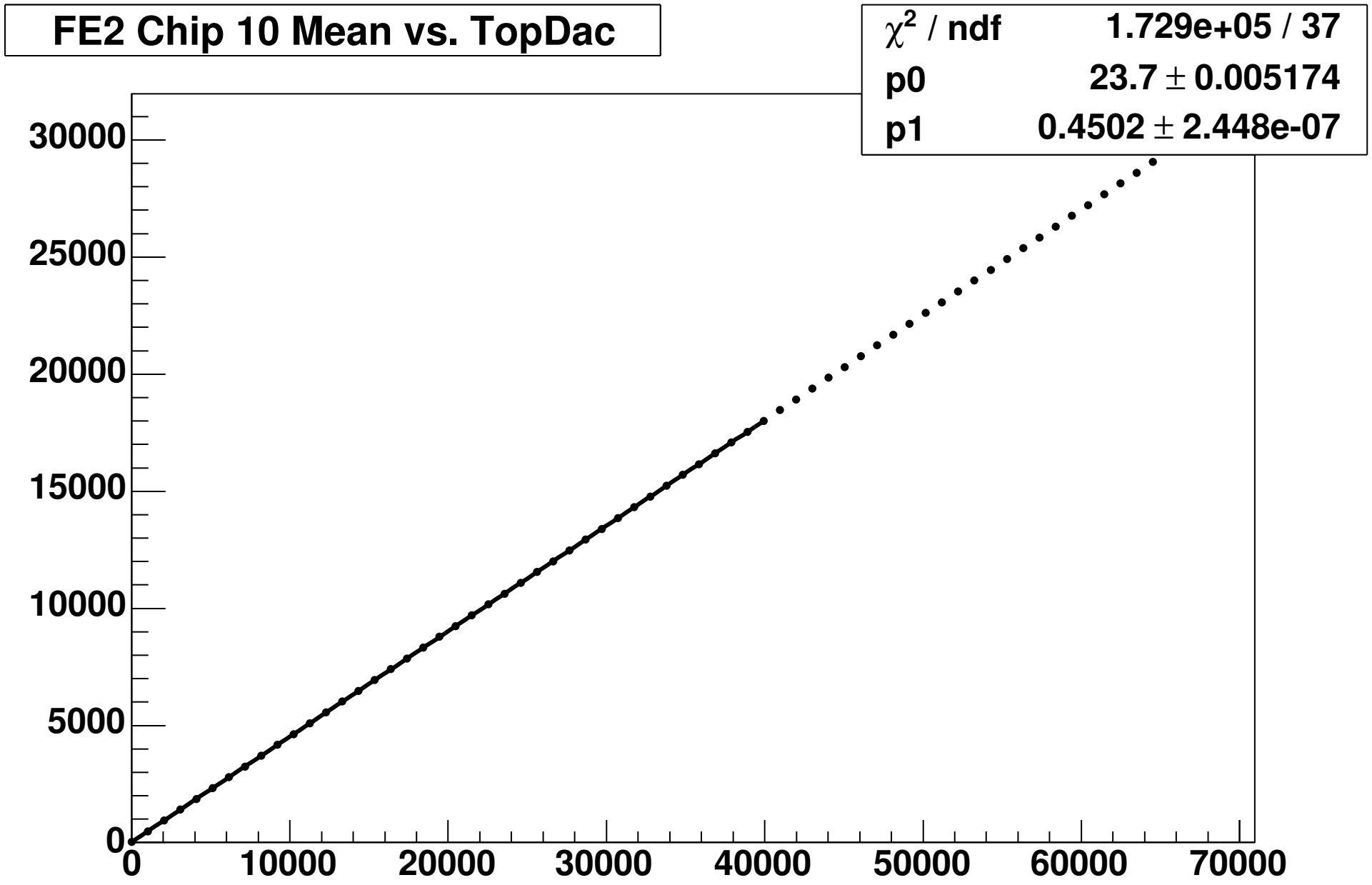
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.729e+05 / 37
p0 23.7 ± 0.005174
p1 0.4502 ± 2.448e-07
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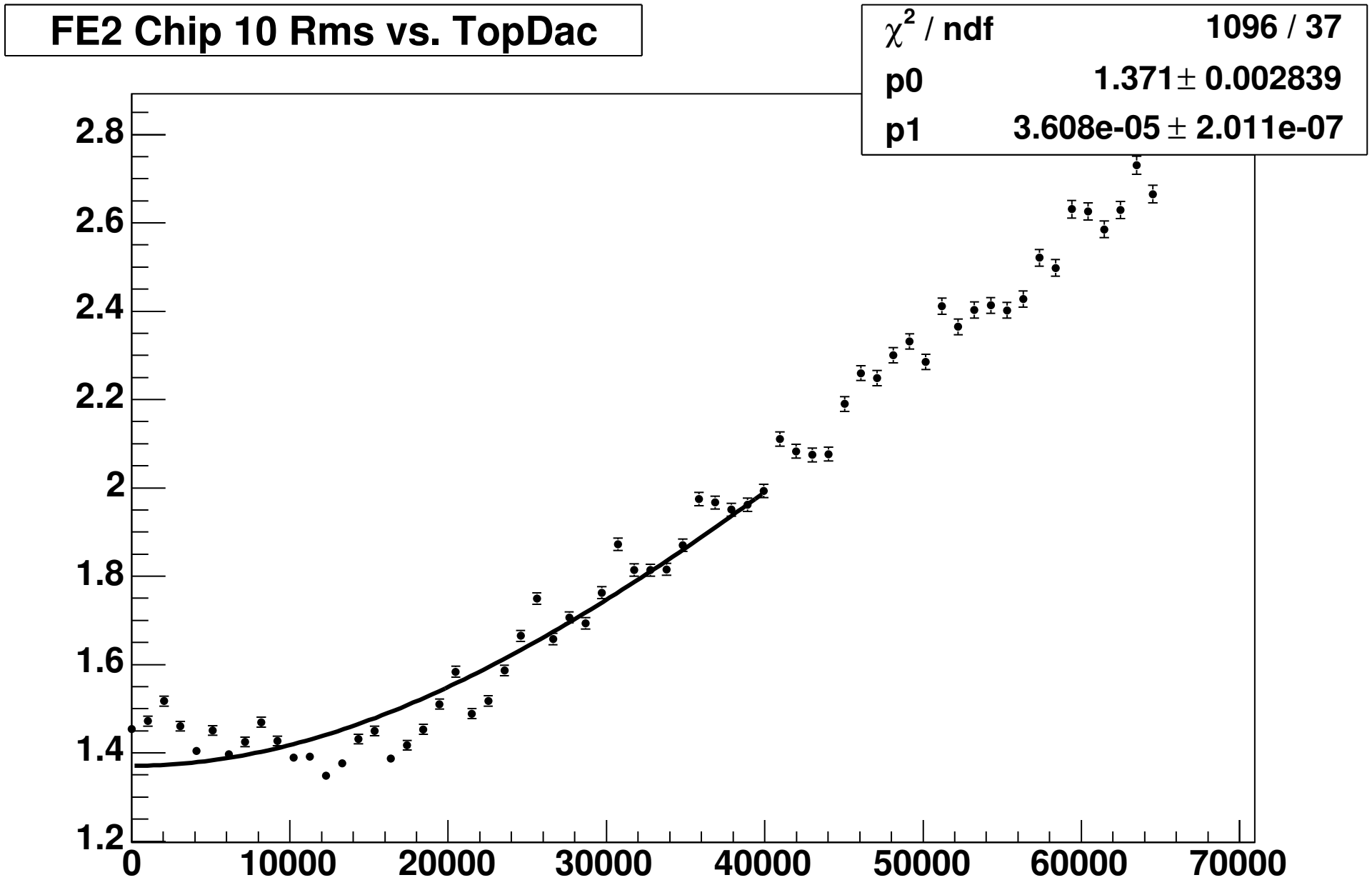
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1096 / 37
p0 1.371 ± 0.002839
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
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60000
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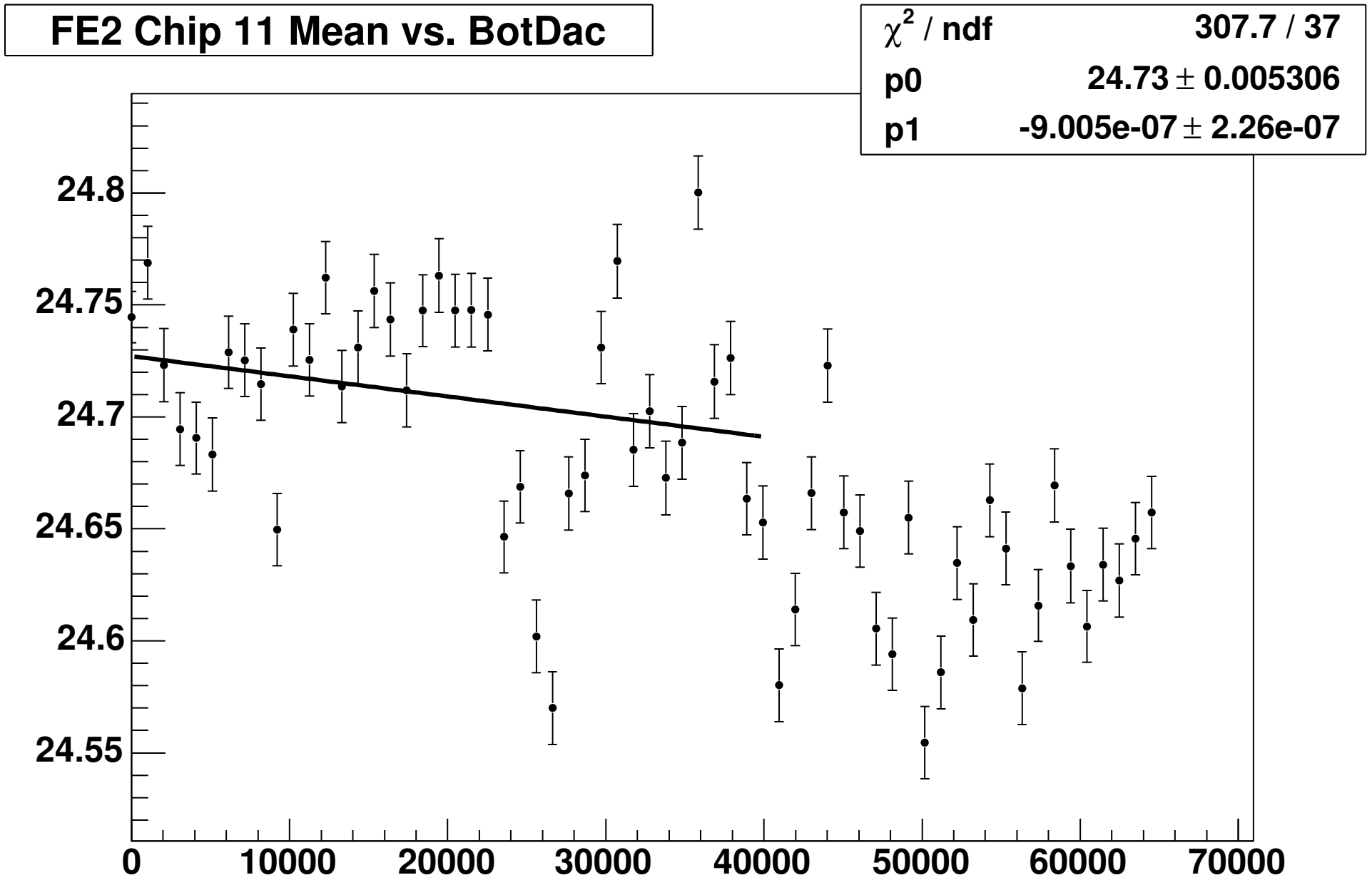
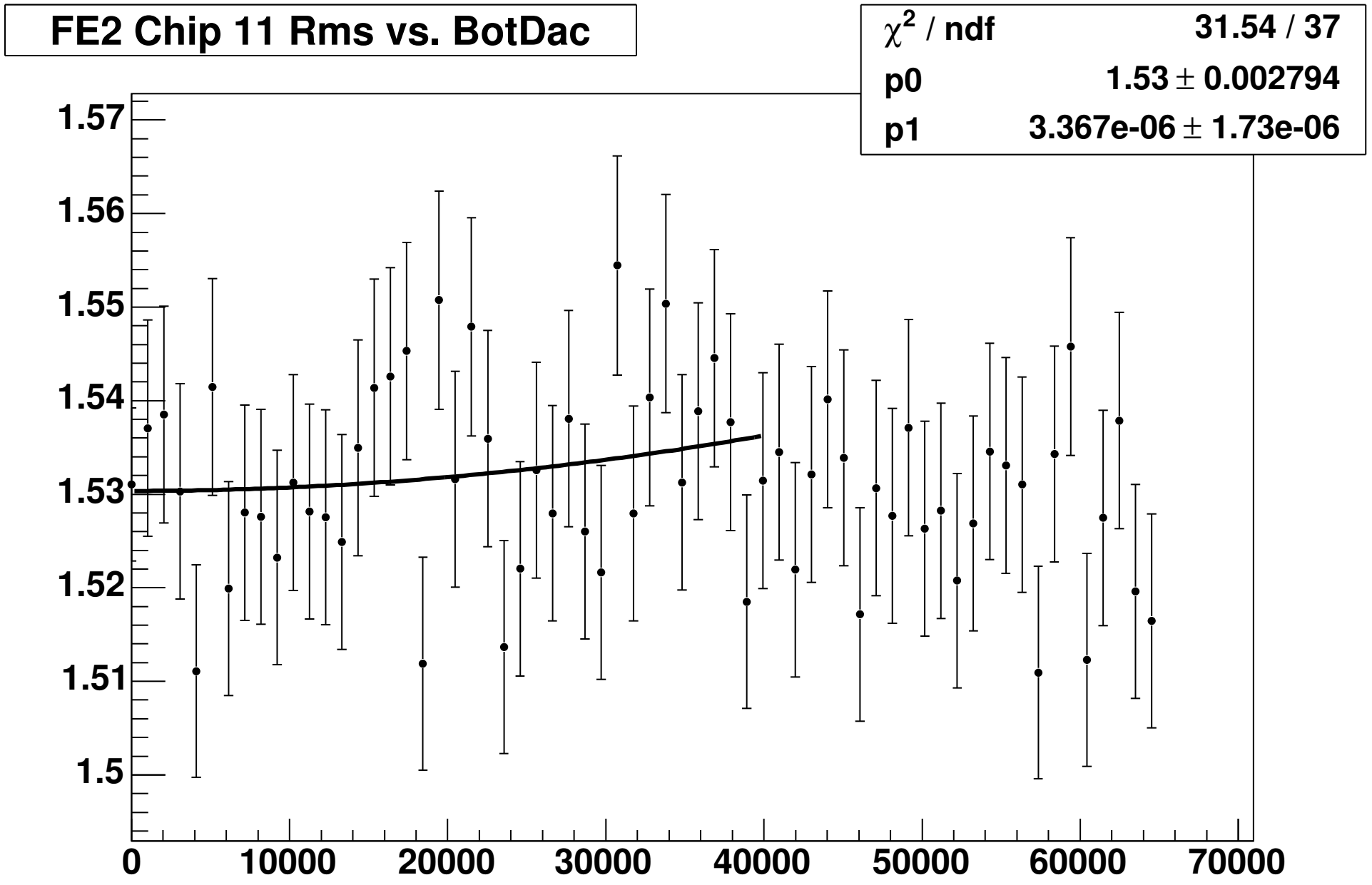

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 307.7 / 37
p0 24.73 ± 0.005306
p1 -9.005e-07 ± 2.26e-07
24.8
24.75
24.7
24.65
24.6
24.55
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 31.54 / 37
p0 1.53 ± 0.002794
p1 3.367e-06 ± 1.73e-06
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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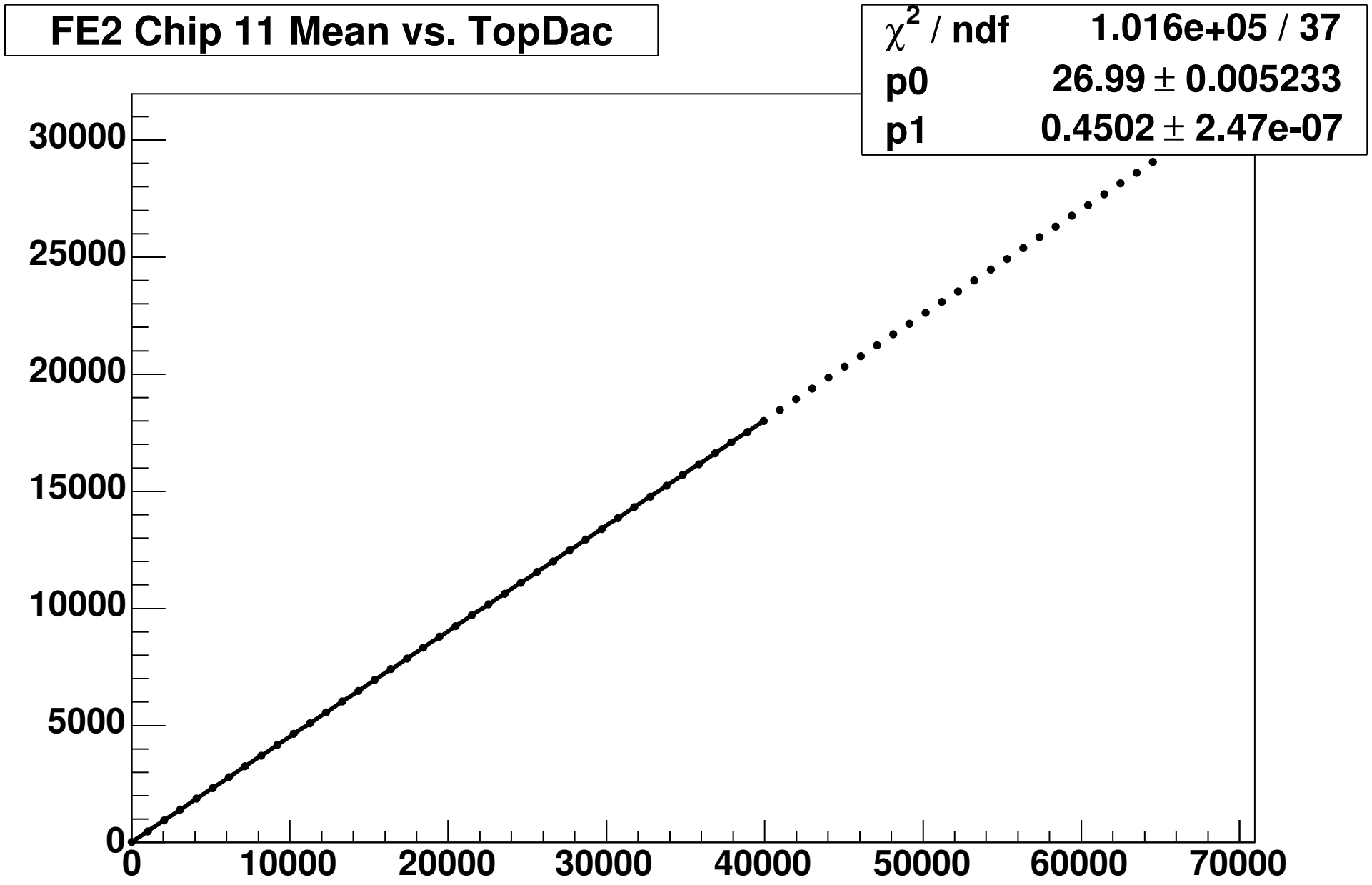
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.016e+05 / 37
p0 26.99 ± 0.005233
p1 0.4502 ± 2.47e-07
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20000
15000
10000
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0
0
10000
20000
30000
40000
50000
60000
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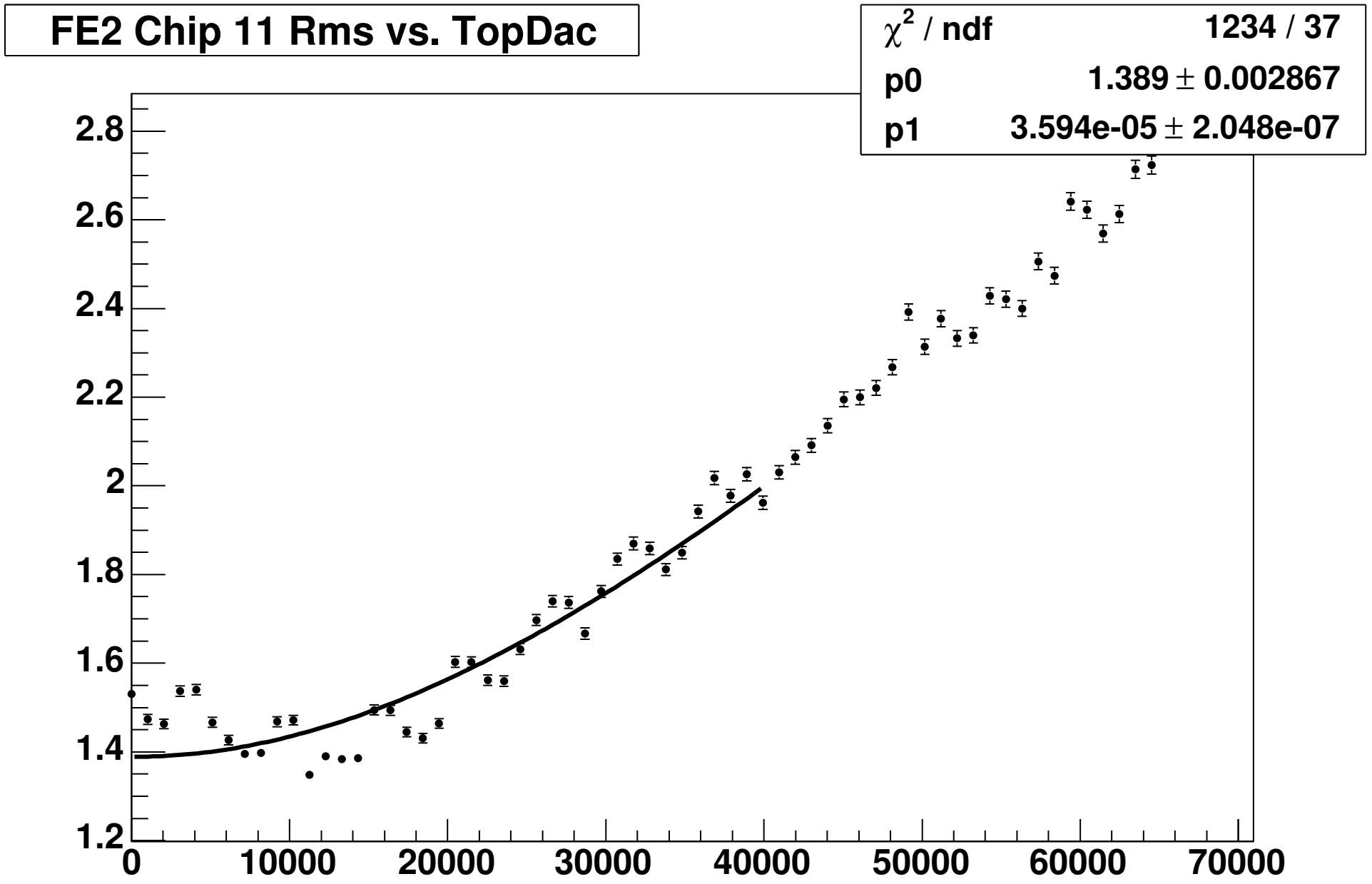
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1234 / 37
p0 1.389 ± 0.002867
p1 3.594e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
60000
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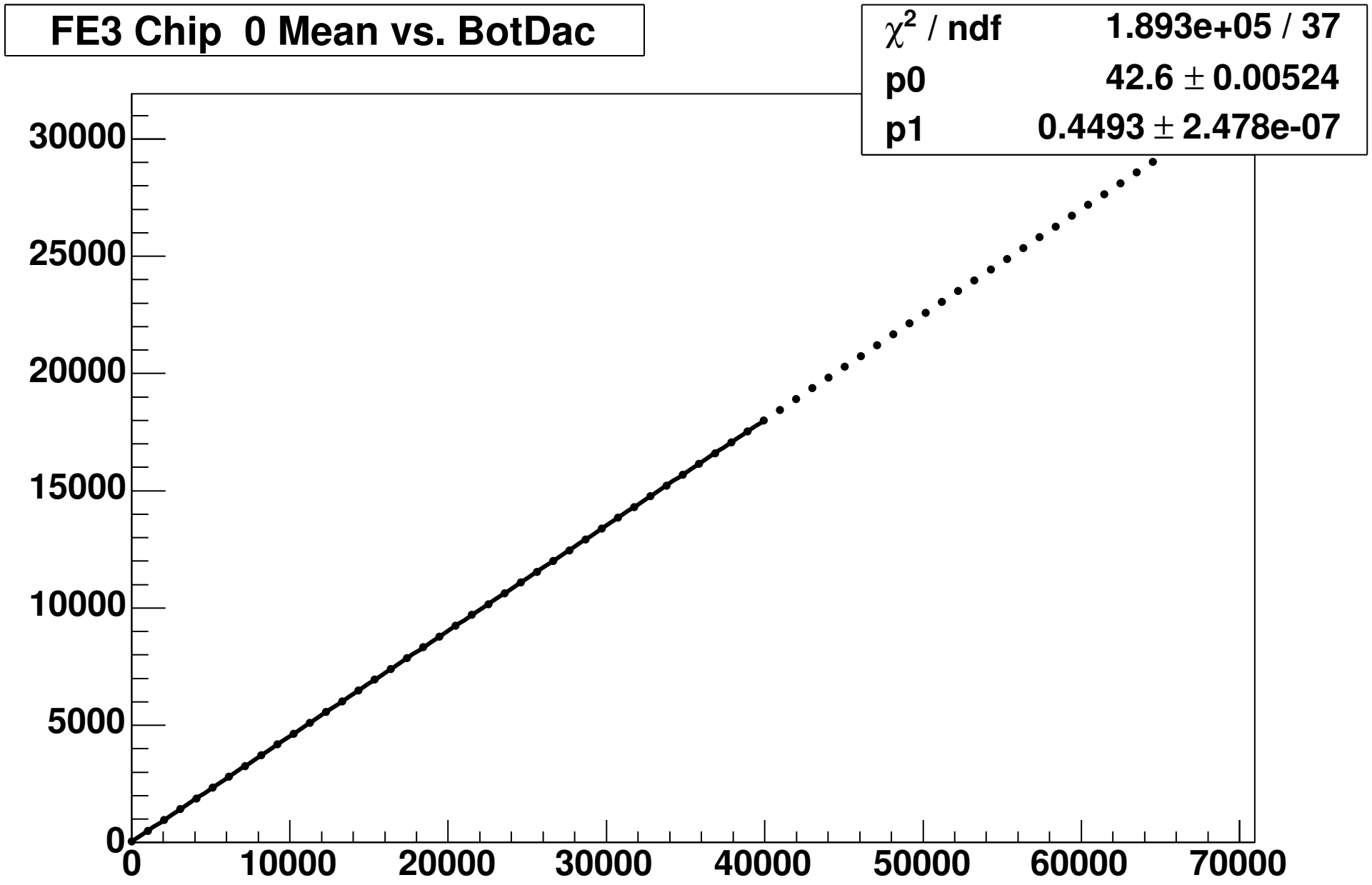
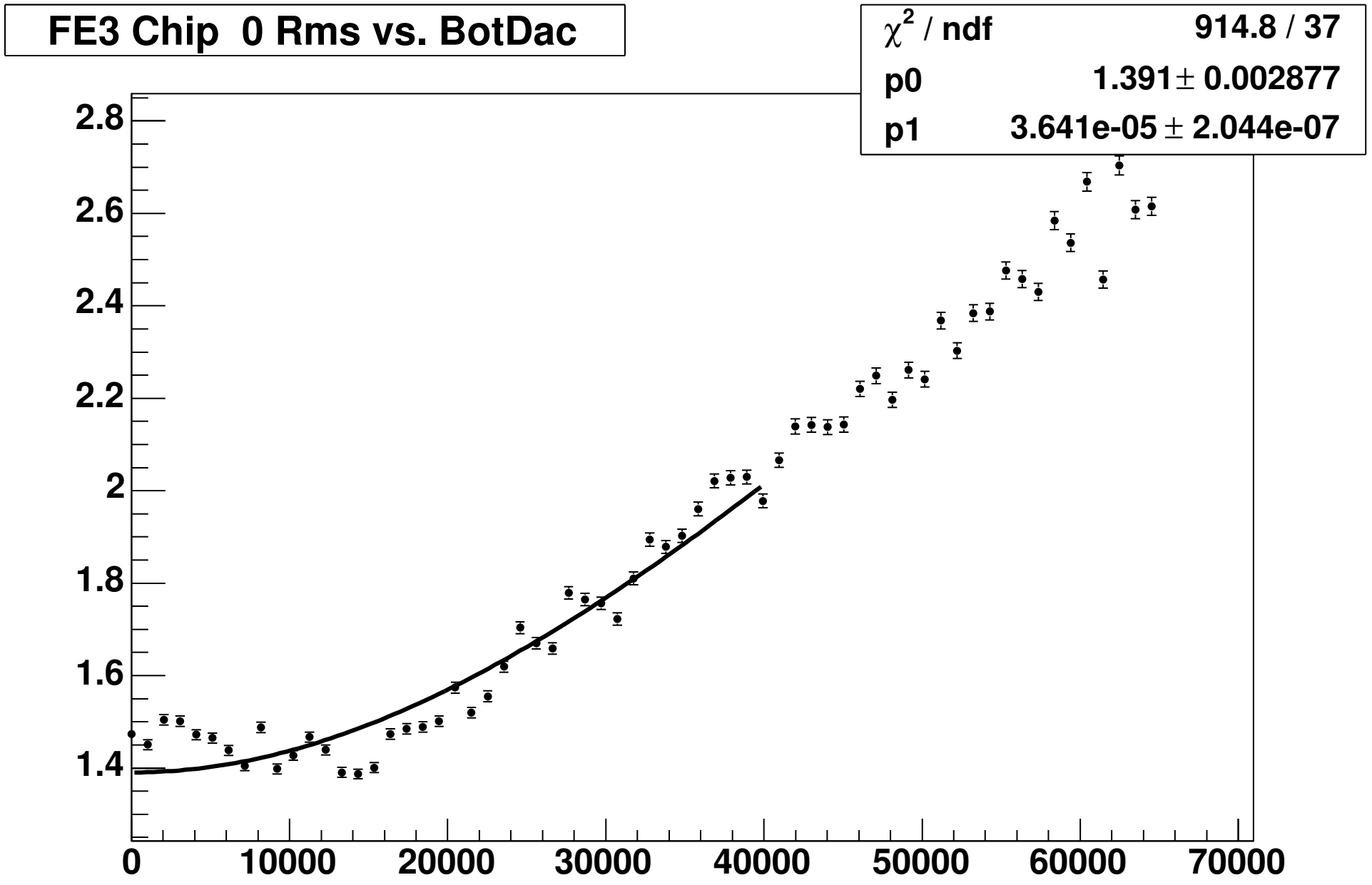

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.893e+05 / 37
p0 42.6 ± 0.00524
p1 0.4493 ± 2.478e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 914.8 / 37
p0 1.391 ± 0.002877
p1 3.641e-05 ± 2.044e-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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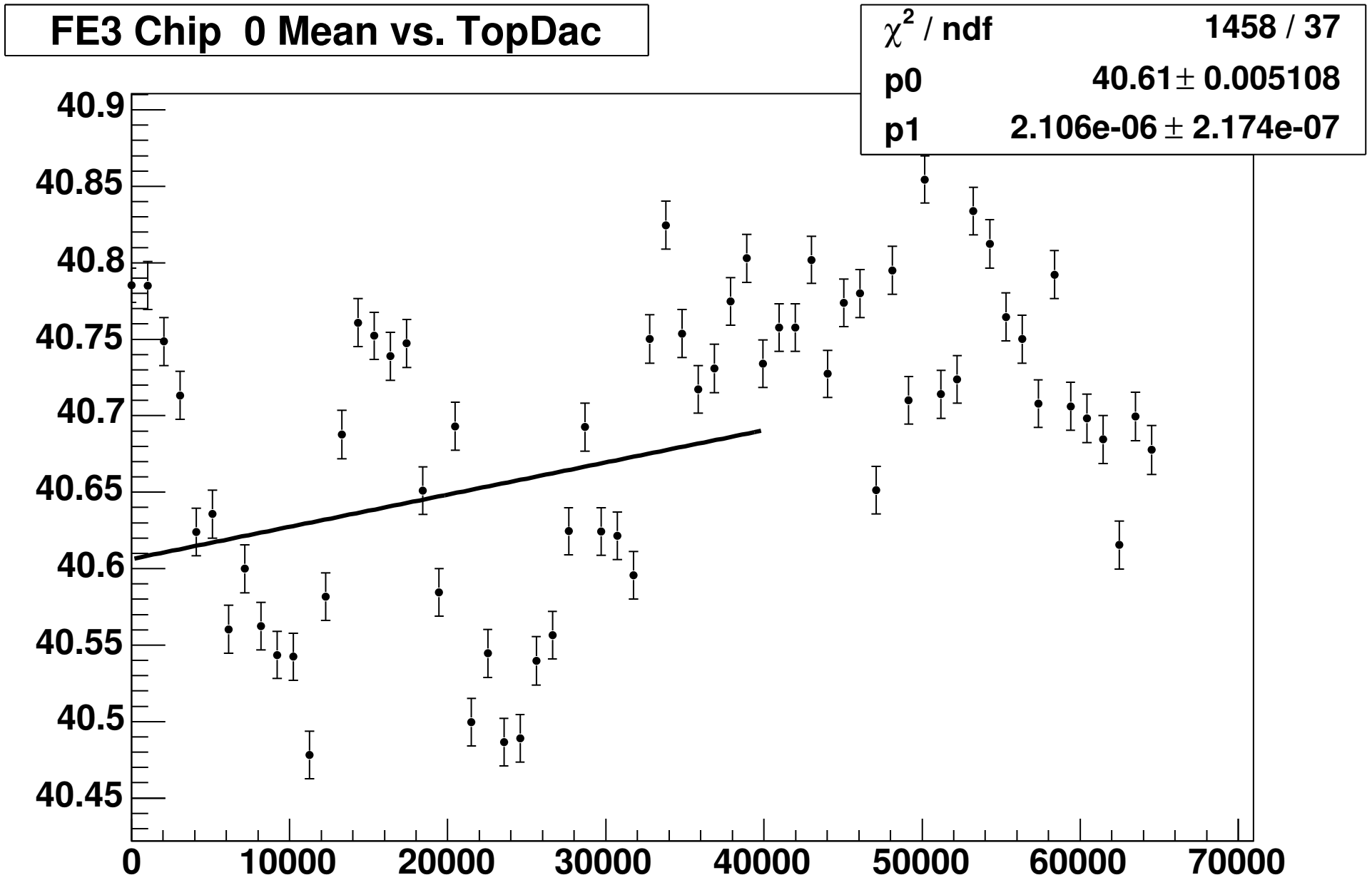
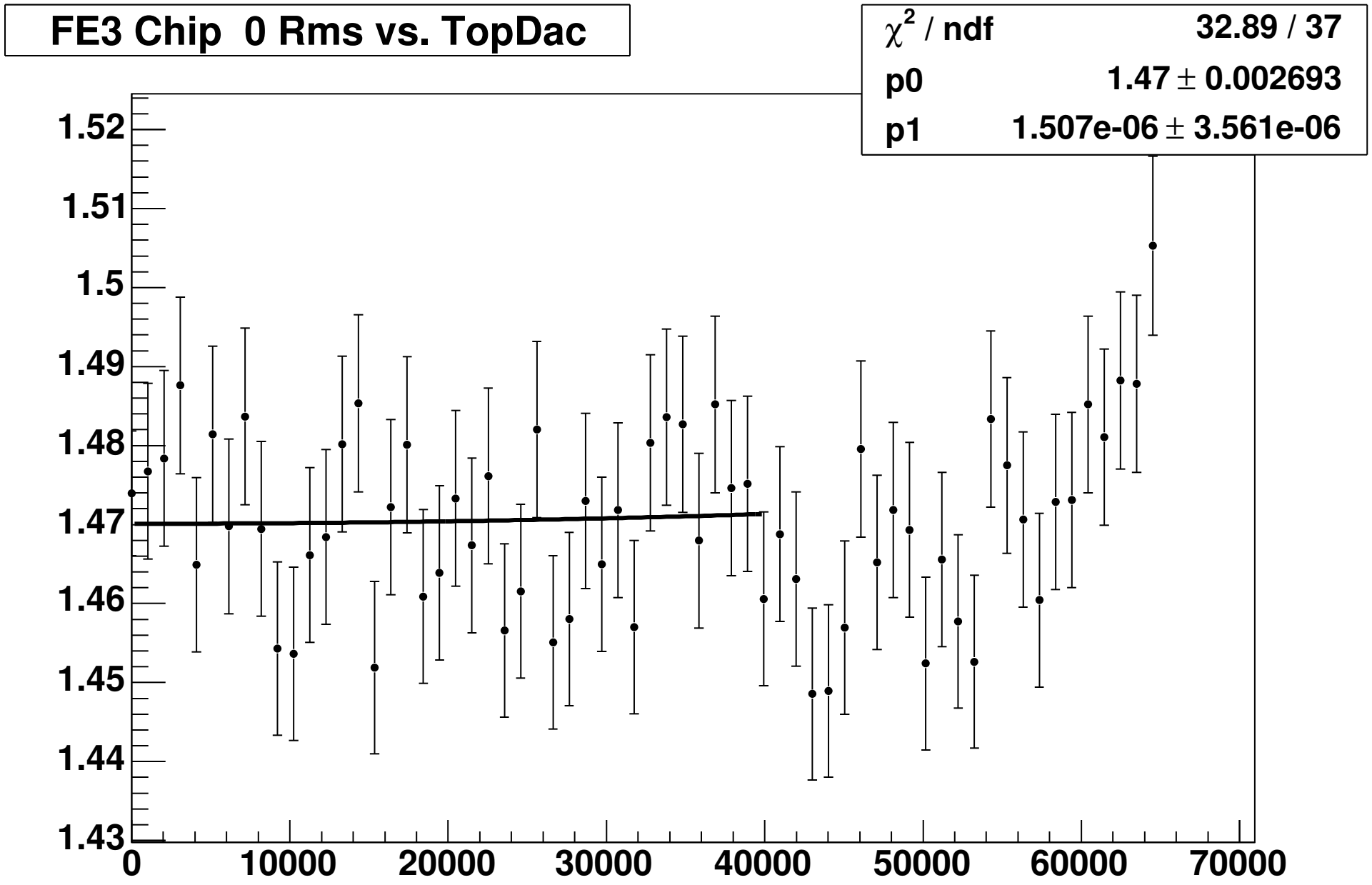

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1458 / 37
p0 40.61 ± 0.005108
p1 2.106e-06 ± 2.174e-07
40.9
40.85
40.8
40.75
40.7
40.65
40.6
40.55
40.5
40.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 32.89 / 37
p0 1.47 ± 0.002693
p1 1.507e-06 ± 3.561e-06
1.52
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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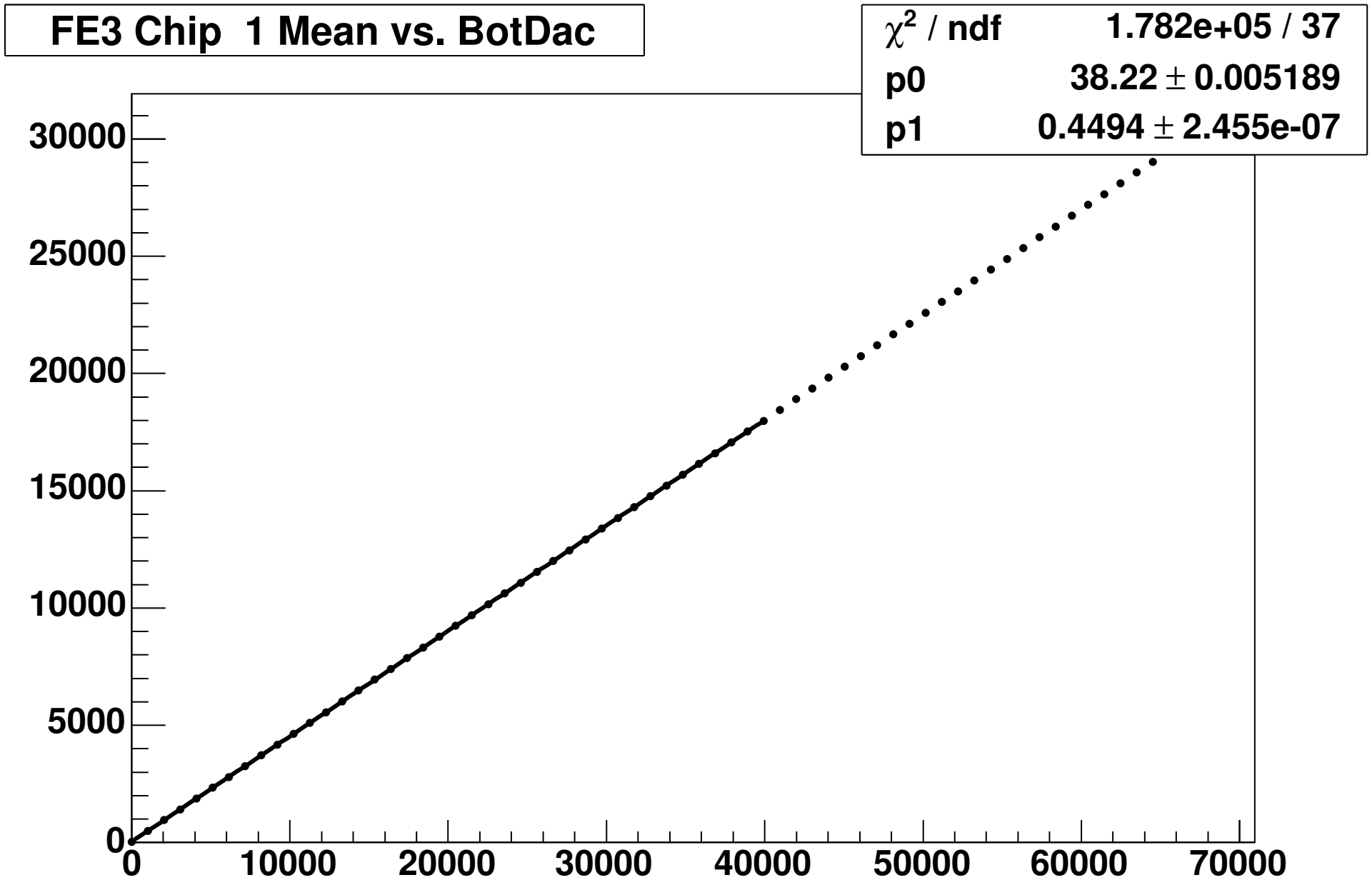
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.782e+05 / 37
p0 38.22 ± 0.005189
p1 0.4494 ± 2.455e-07
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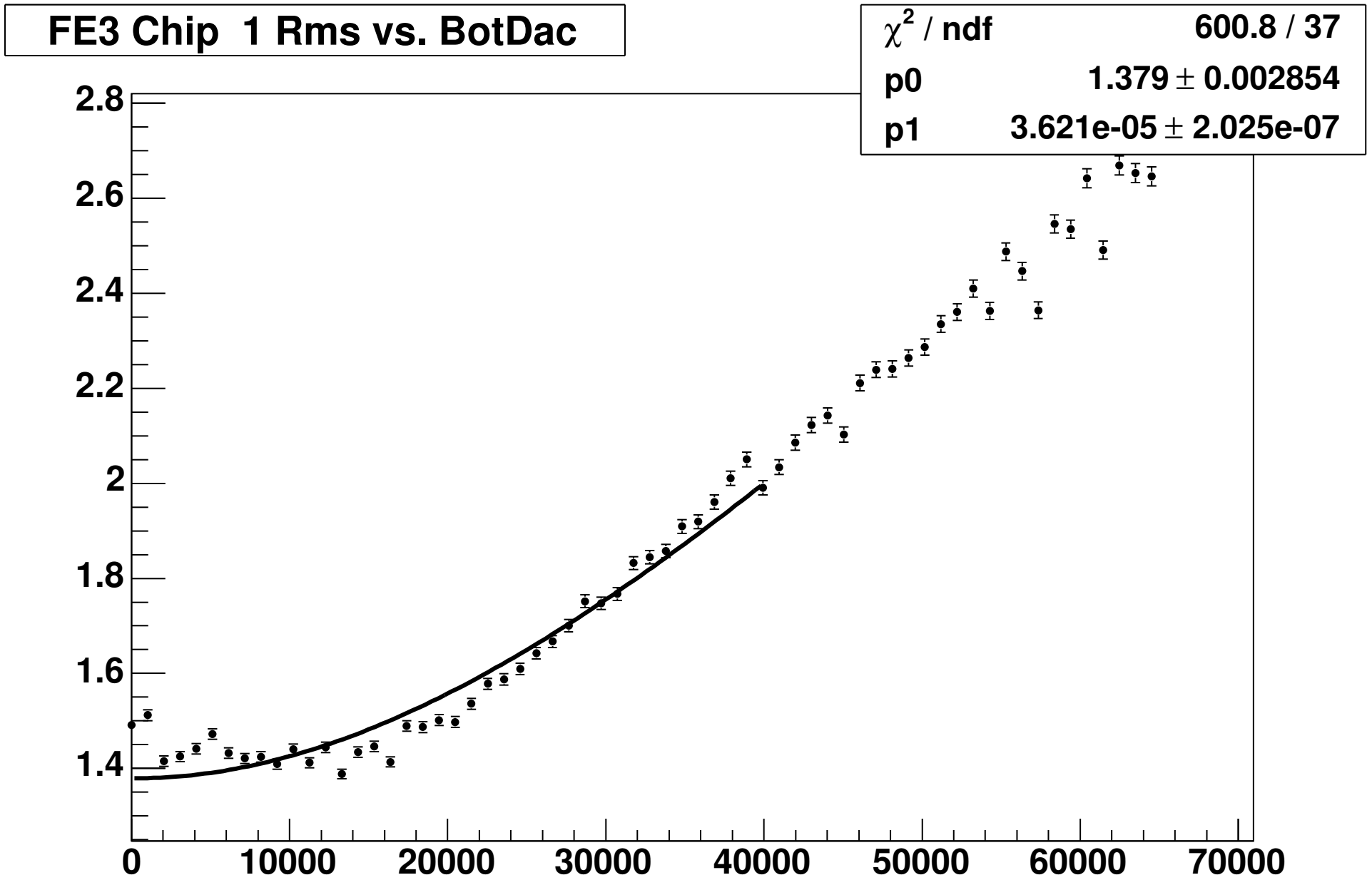
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 600.8 / 37
p0 1.379 ± 0.002854
p1 3.621e-05 ± 2.025e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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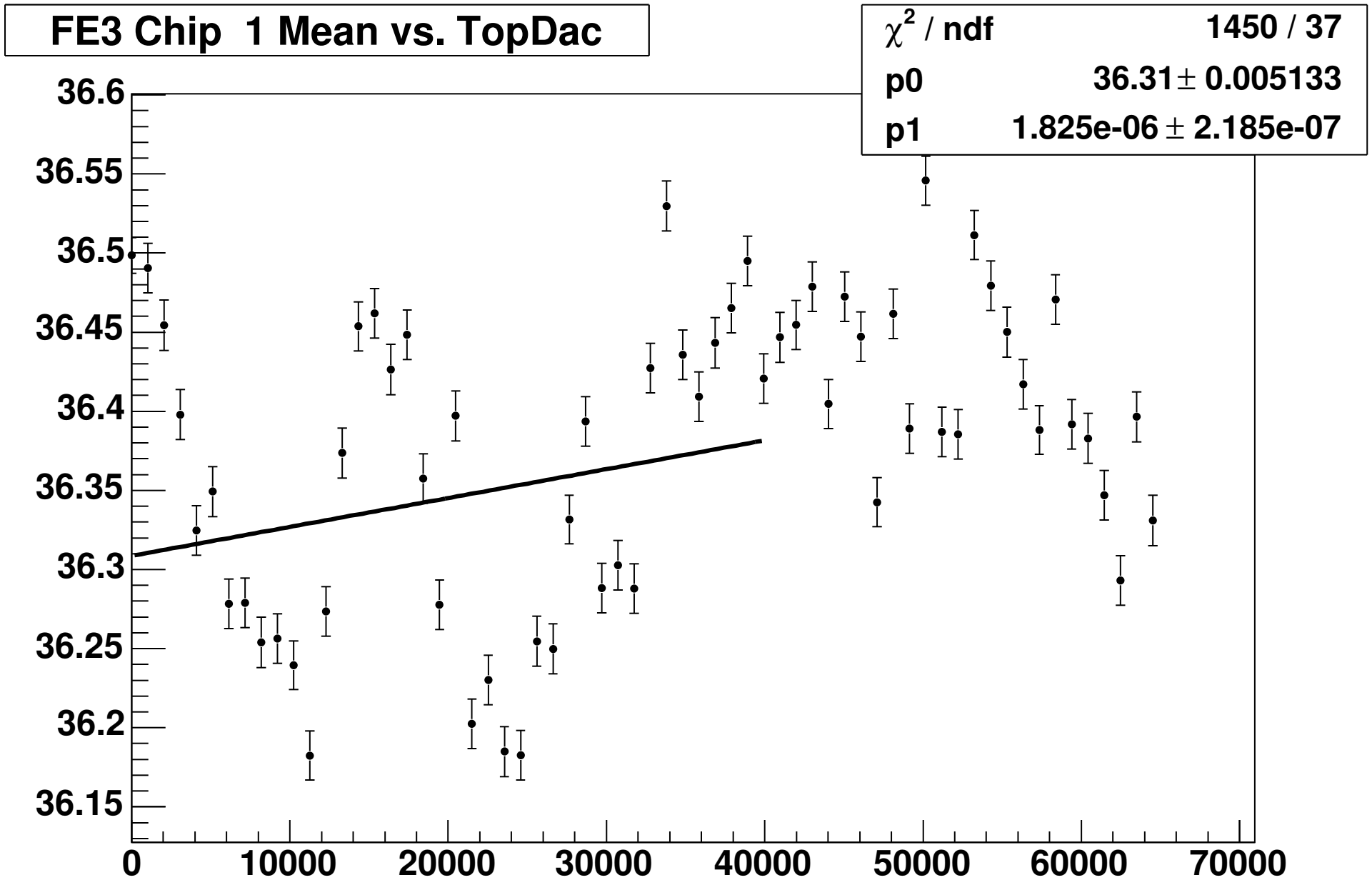
FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1450 / 37
p0 36.31 ± 0.005133
p1 1.825e-06 ± 2.185e-07
36.6
36.55
36.5
36.45
36.4
36.35
36.3
36.25
36.2
36.15
0
10000
20000
30000
40000
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60000
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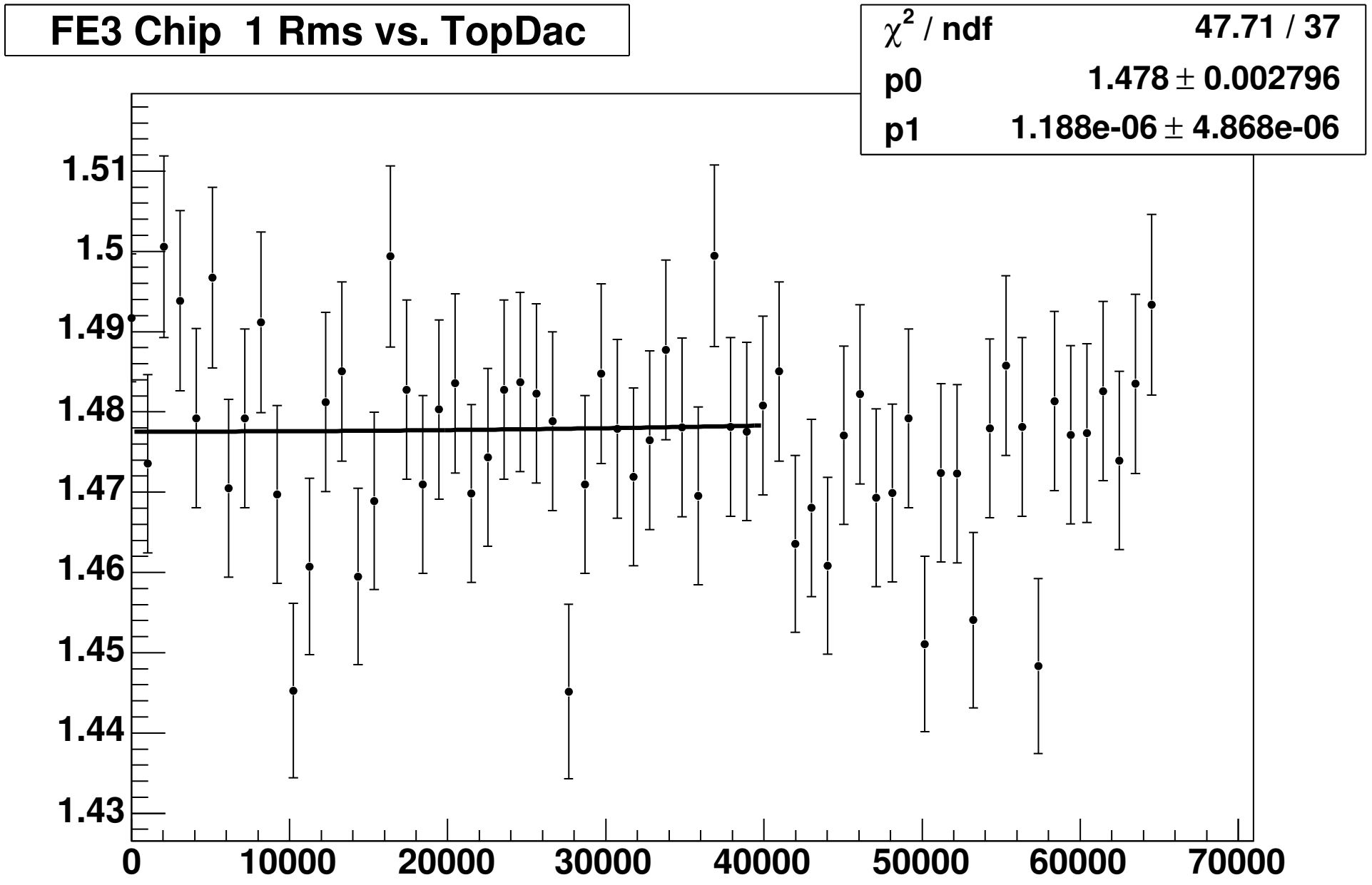
FE3 Chip 1 Rms vs. TopDac
χ² / ndf 47.71 / 37
p0 1.478 ± 0.002796
p1 1.188e-06 ± 4.868e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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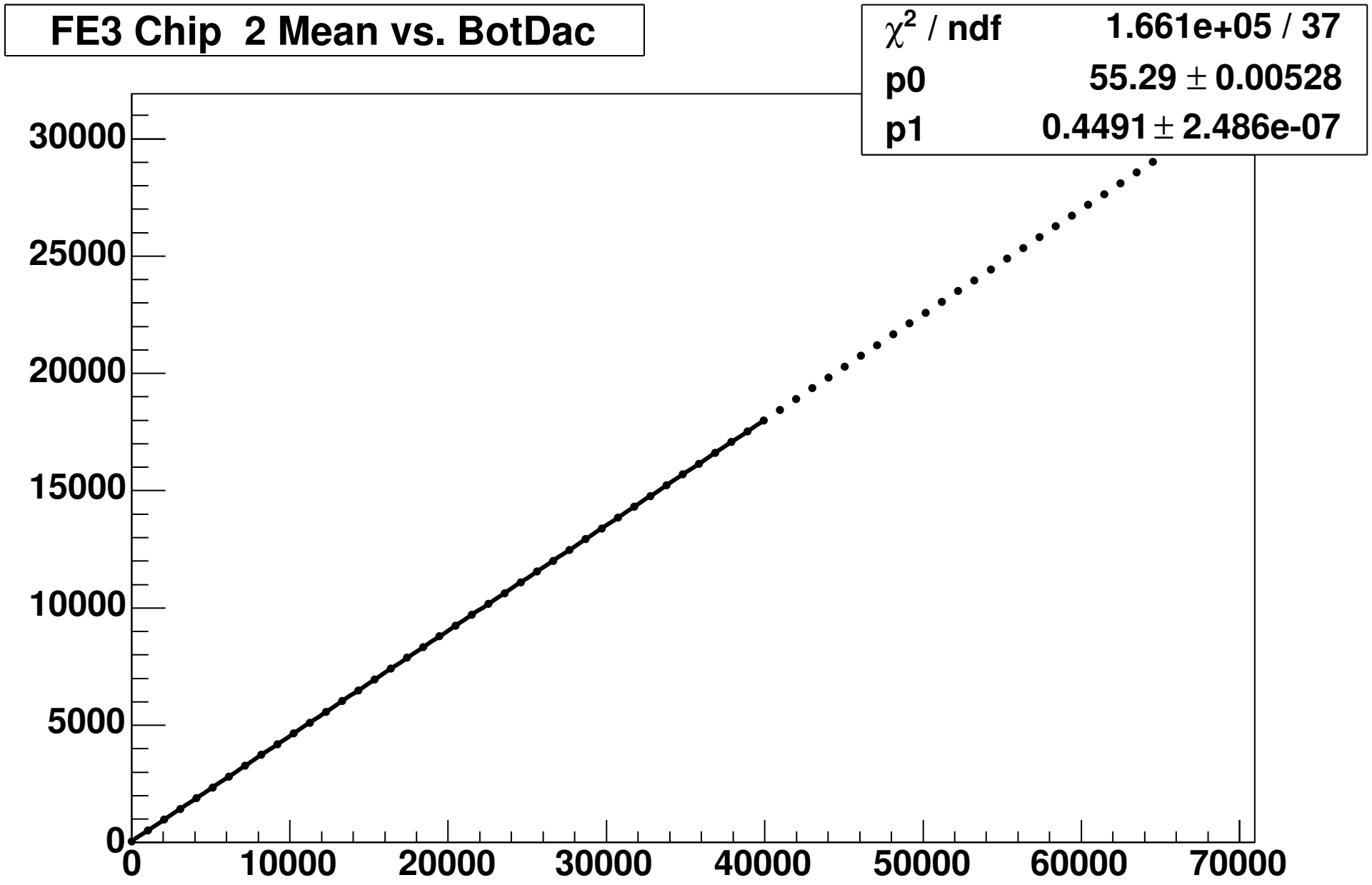
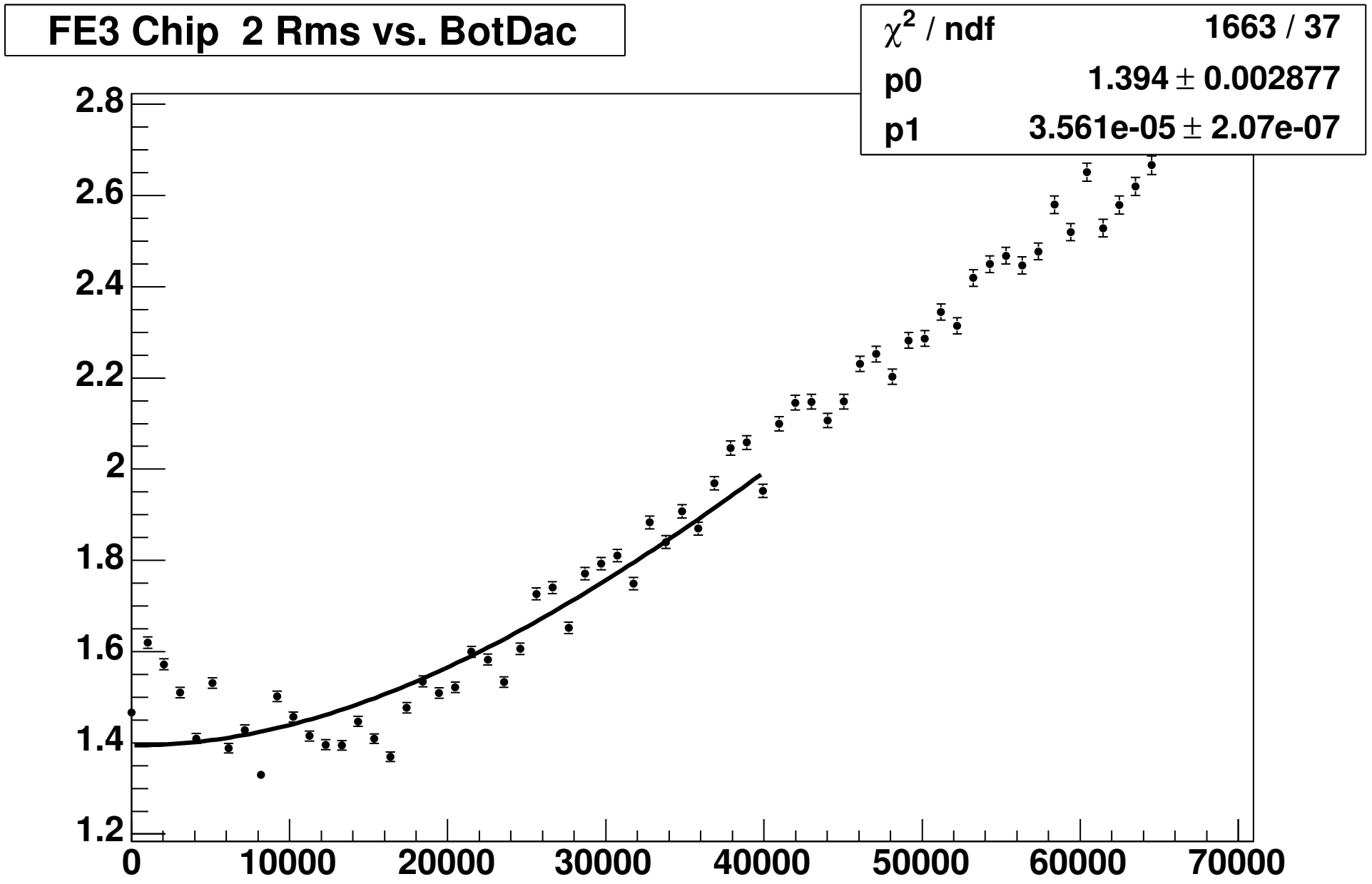

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.661e+05 / 37
p0 55.29 ± 0.00528
p1 0.4491 ± 2.486e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1663 / 37
p0 1.394 ± 0.002877
p1 3.561e-05 ± 2.07e-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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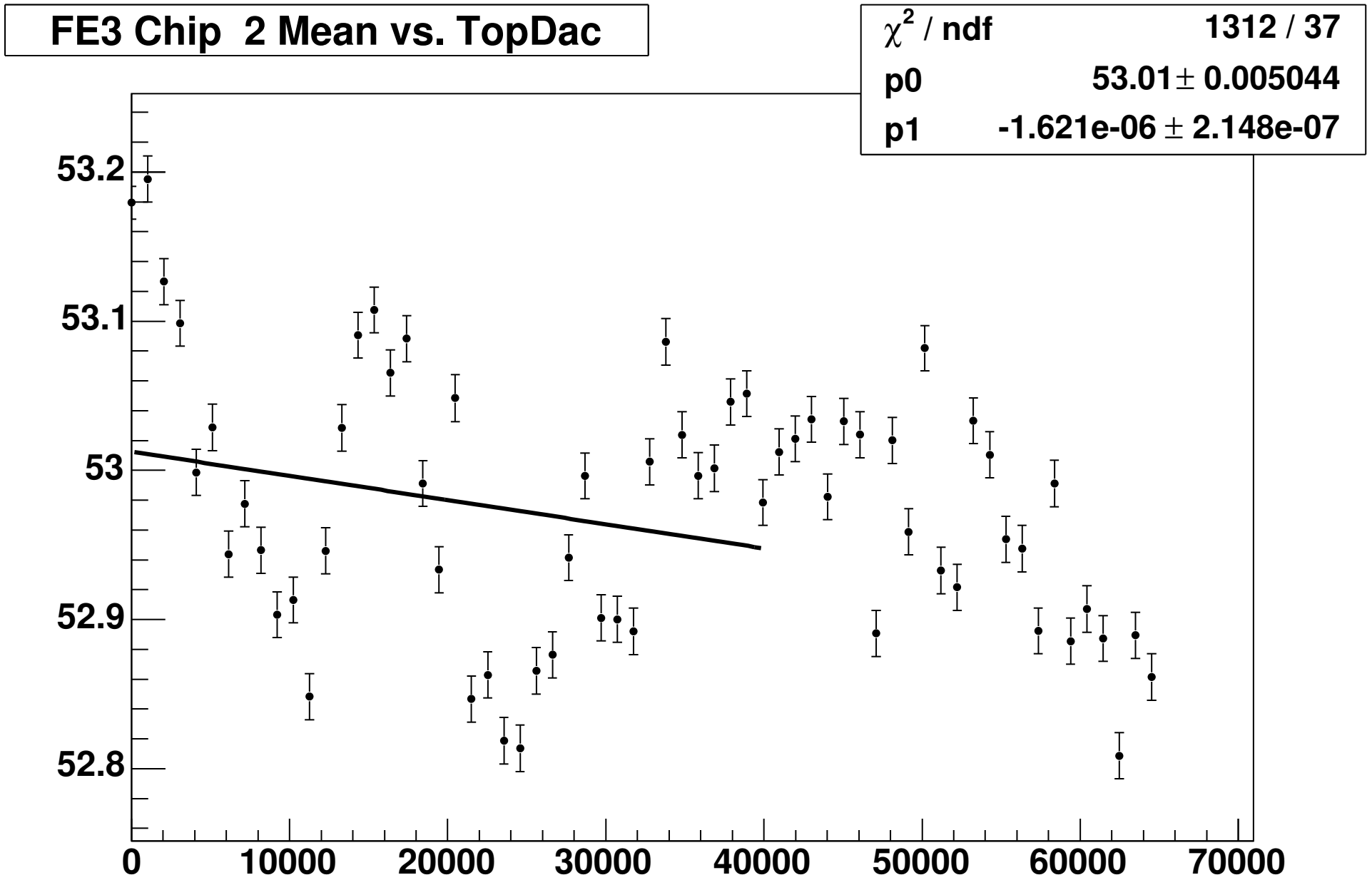
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1312 / 37
p0 53.01 ± 0.005044
p1 -1.621e-06 ± 2.148e-07
53.2
53.1
53
52.9
52.8
0
10000
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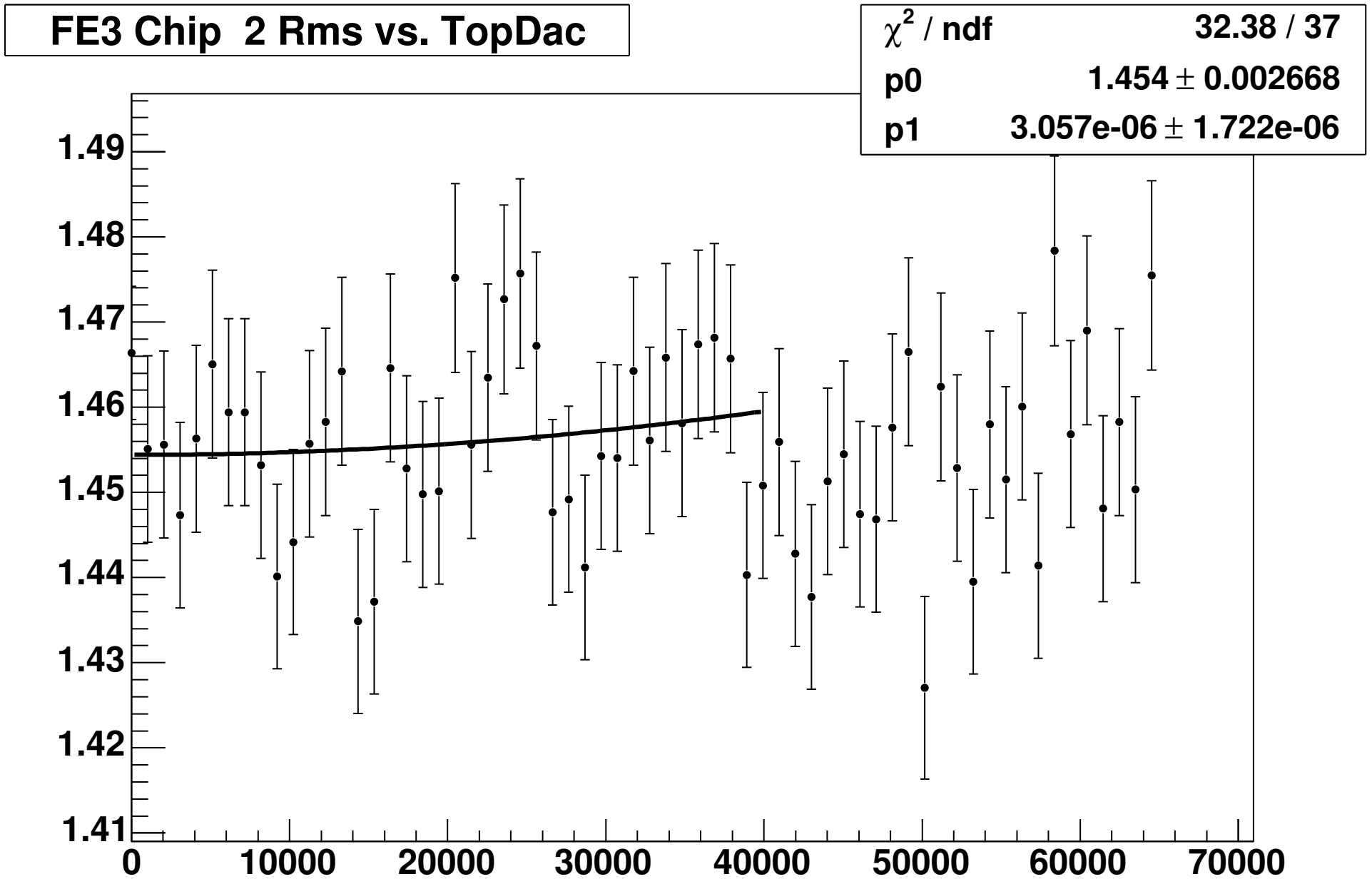
FE3 Chip 2 Rms vs. TopDac
χ² / ndf 32.38 / 37
p0 1.454 ± 0.002668
p1 3.057e-06 ± 1.722e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
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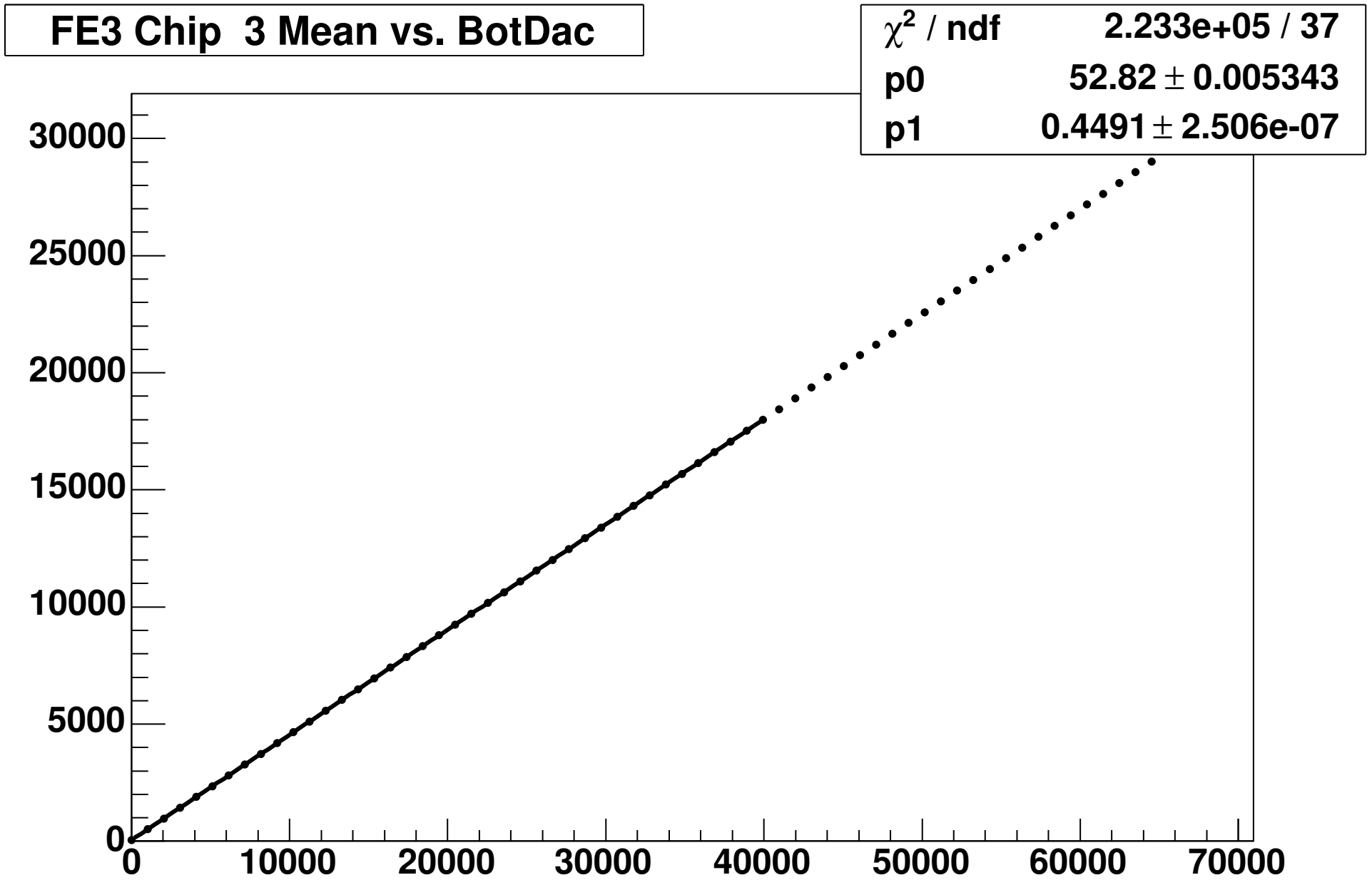
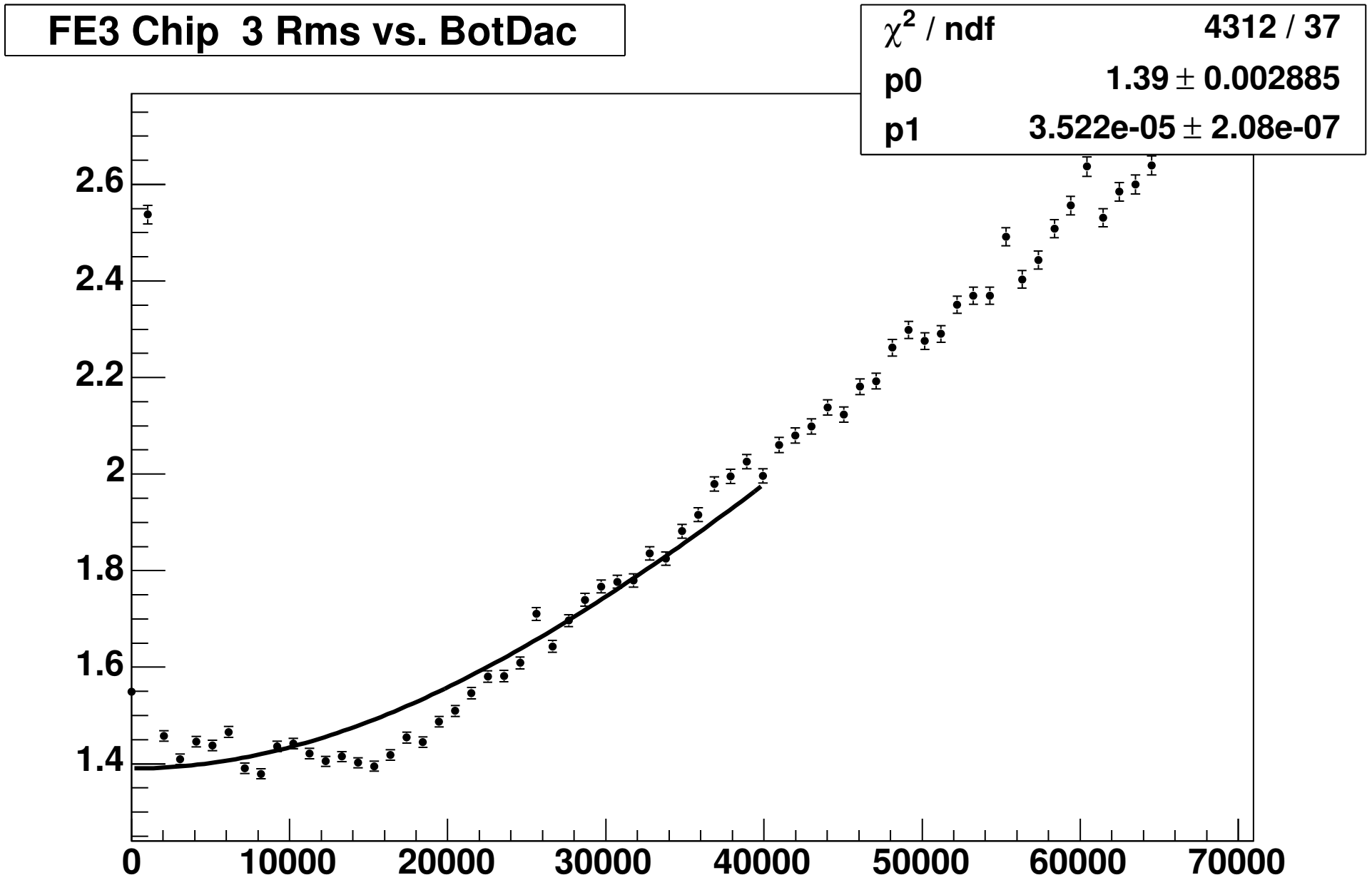
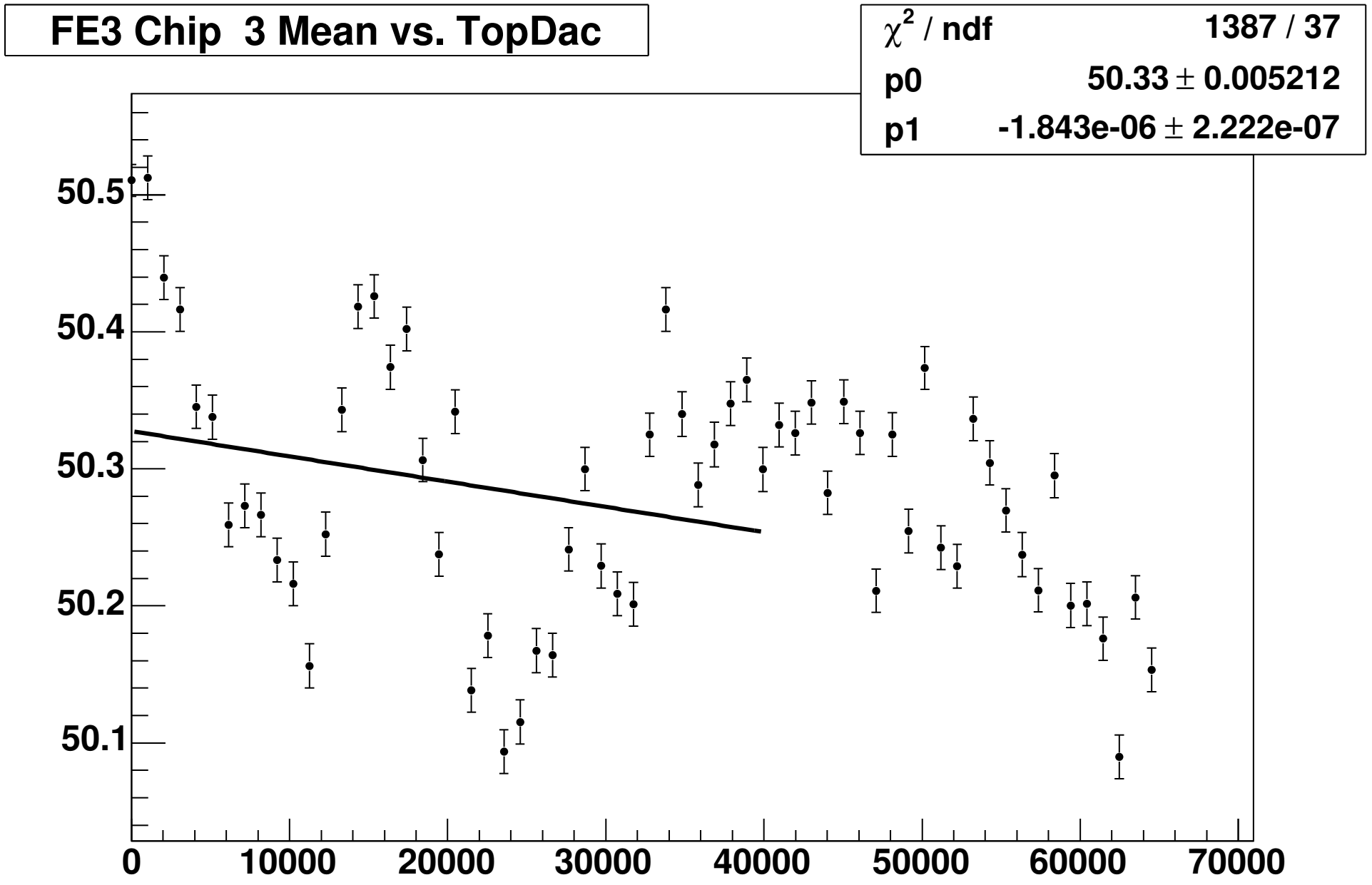
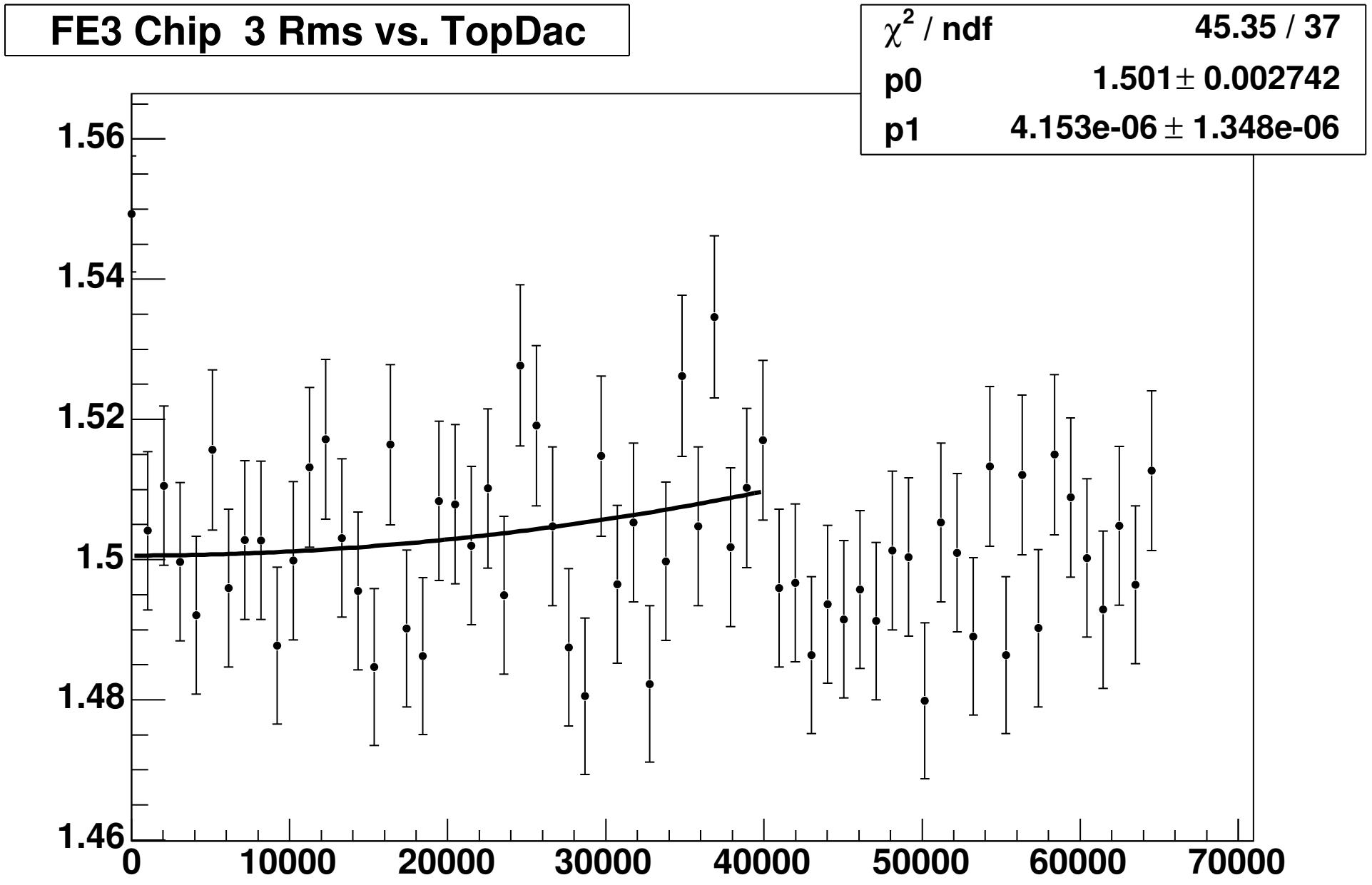
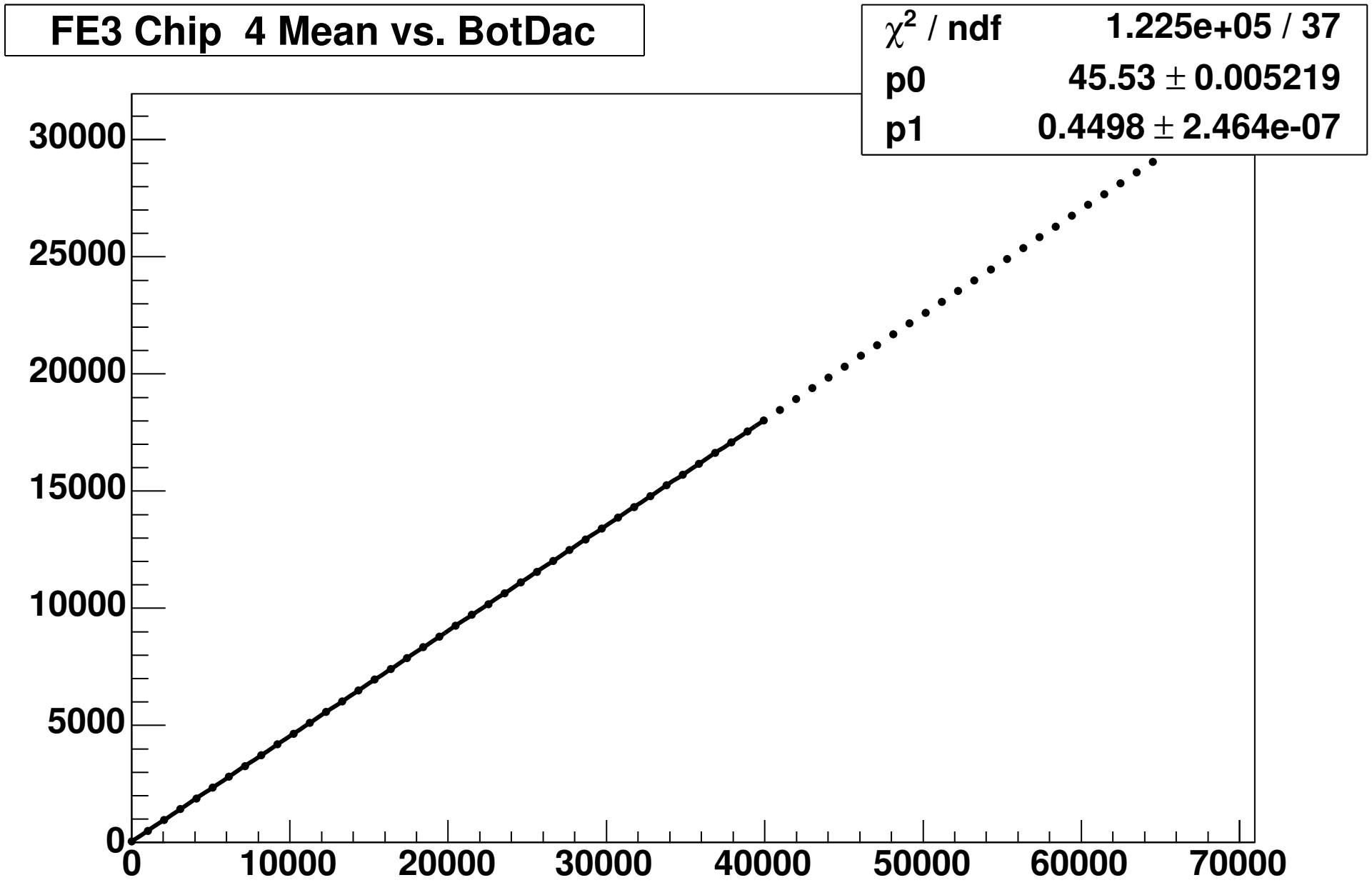
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 2.233e+05 / 37
p0 52.82 ± 0.005343
p1 0.4491 ± 2.506e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 4312 / 37
p0 1.39 ± 0.002885
p1 3.522e-05 ± 2.08e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1387 / 37
p0 50.33 ± 0.005212
p1 -1.843e-06 ± 2.222e-07
50.5
50.4
50.3
50.2
50.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 45.35 / 37
p0 1.501 ± 0.002742
p1 4.153e-06 ± 1.348e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 1.225e+05 / 37
p0 45.53 ± 0.005219
p1 0.4498 ± 2.464e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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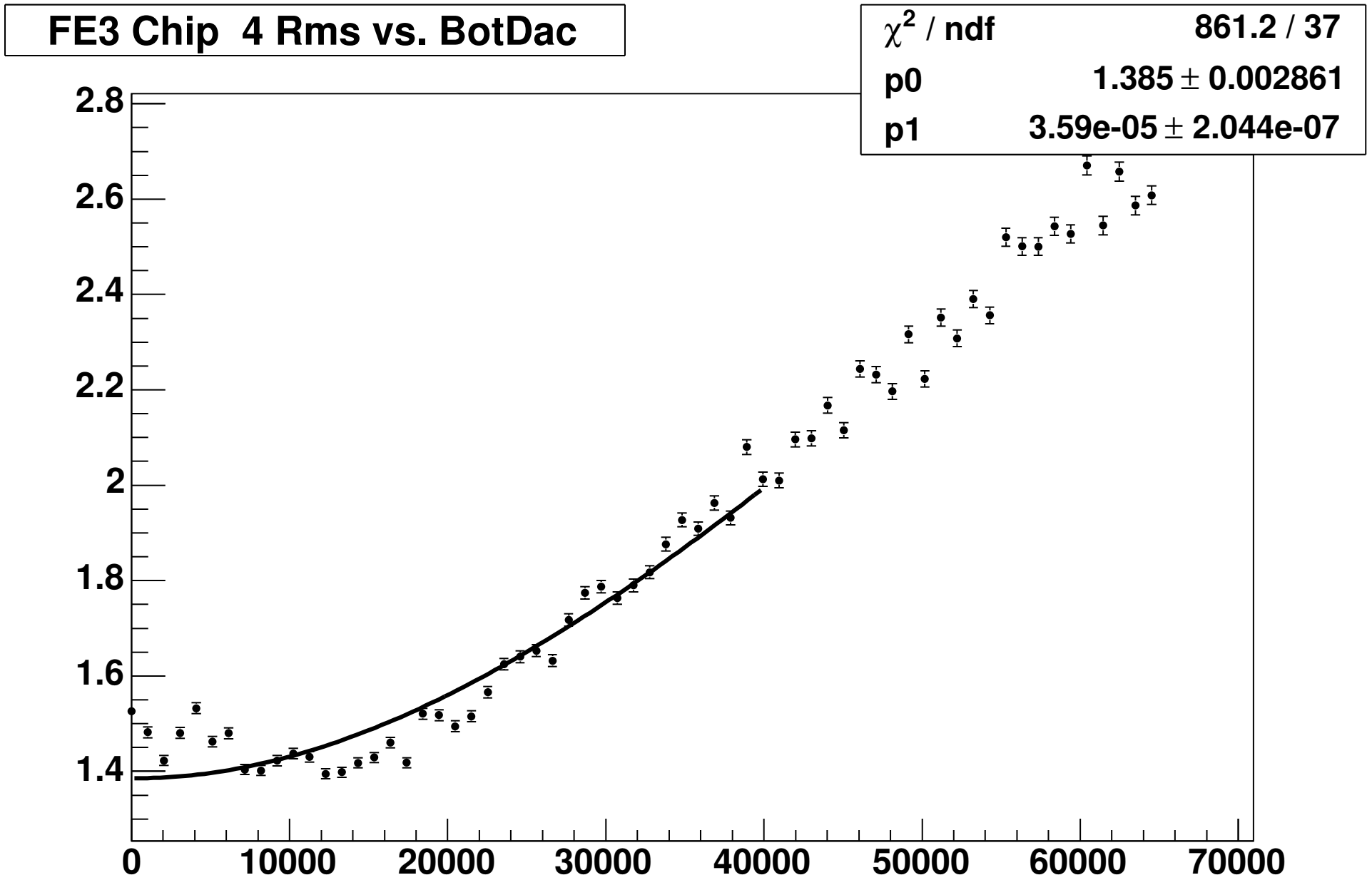
FE3 Chip 4 Rms vs. BotDac
χ² / ndf 861.2 / 37
p0 1.385 ± 0.002861
p1 3.59e-05 ± 2.044e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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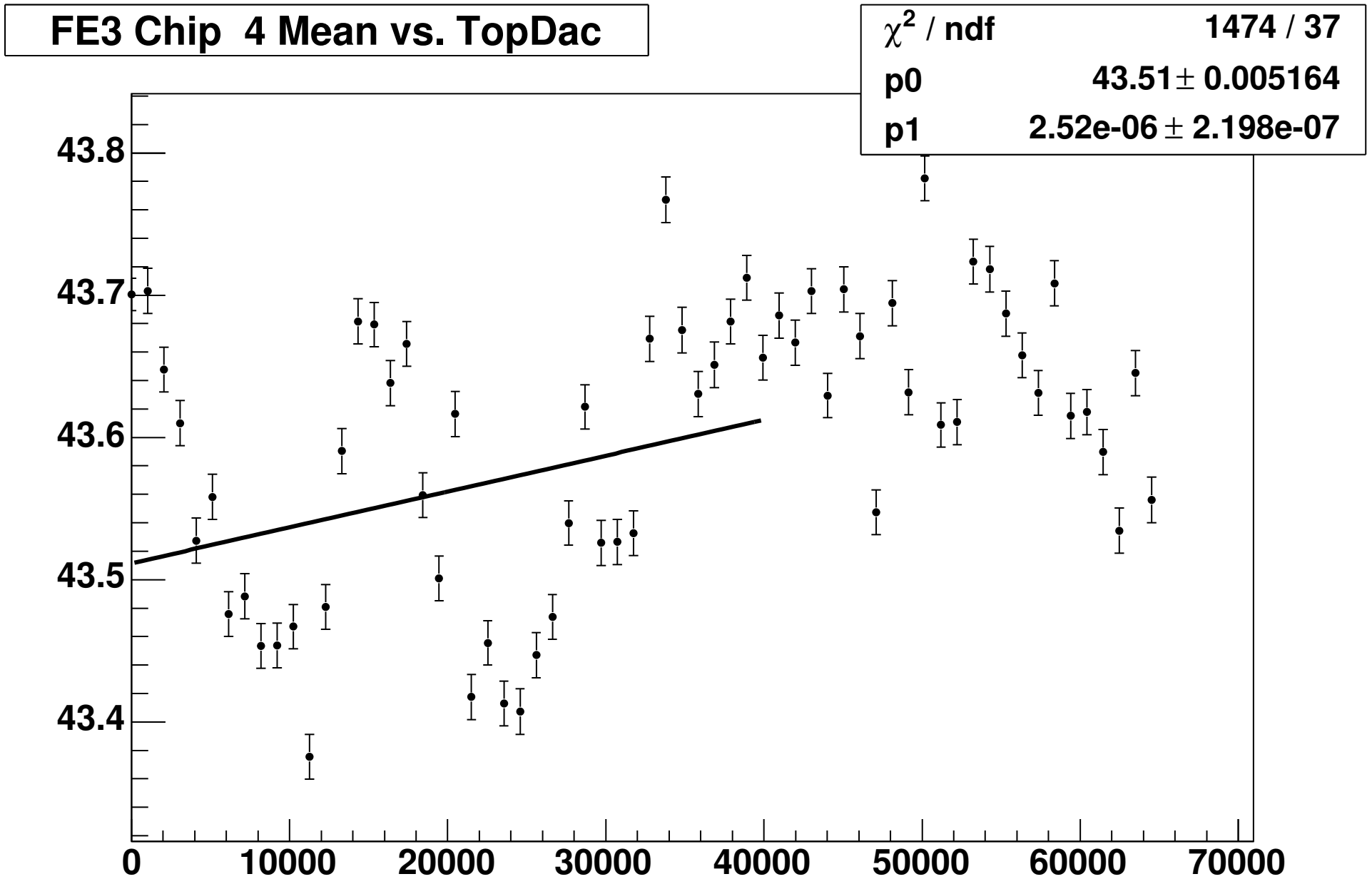
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 1474 / 37
p0 43.51 ± 0.005164
p1 2.52e-06 ± 2.198e-07
43.8
43.7
43.6
43.5
43.4
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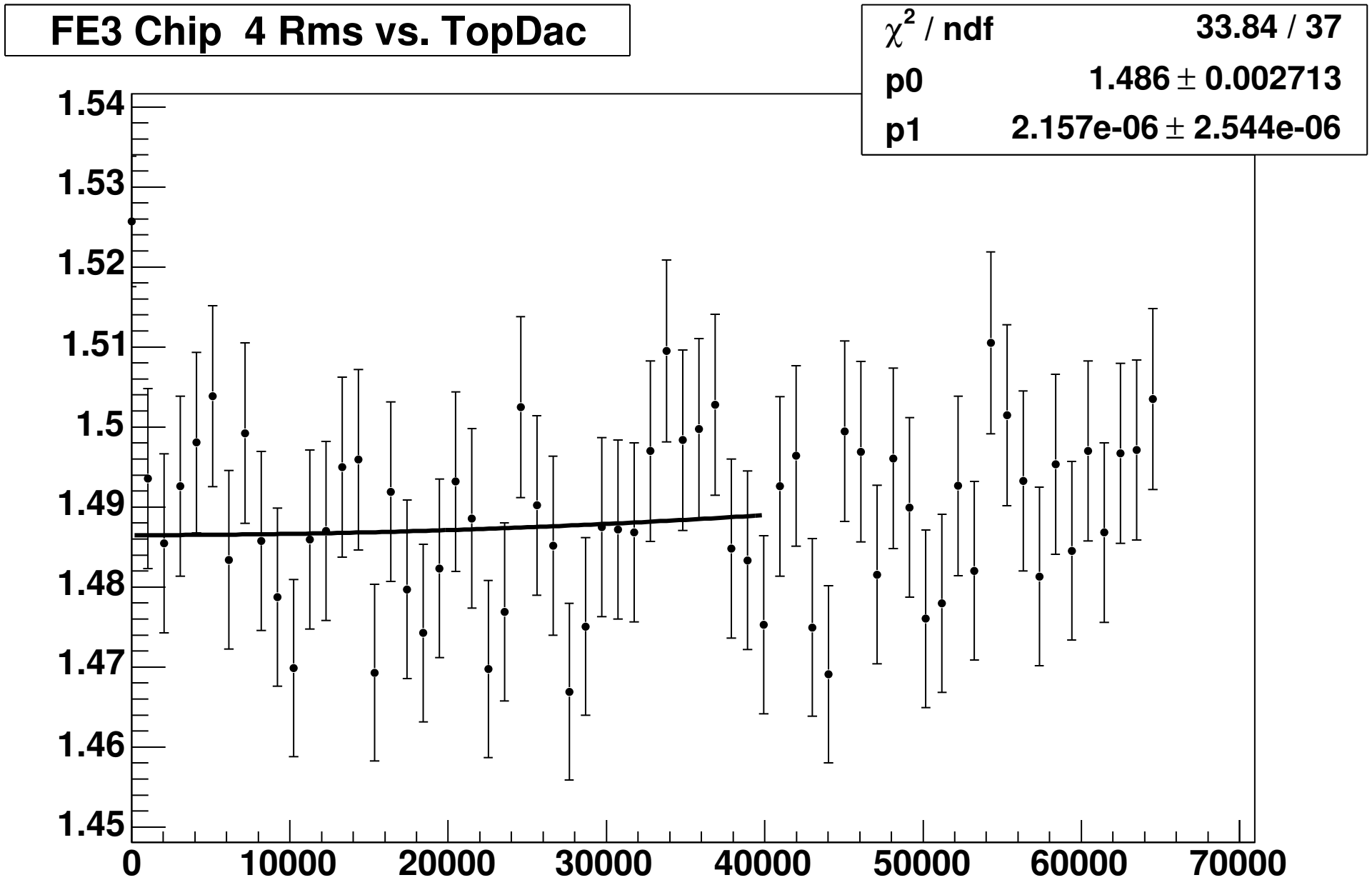
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 33.84 / 37
p0 1.486 ± 0.002713
p1 2.157e-06 ± 2.544e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
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10000
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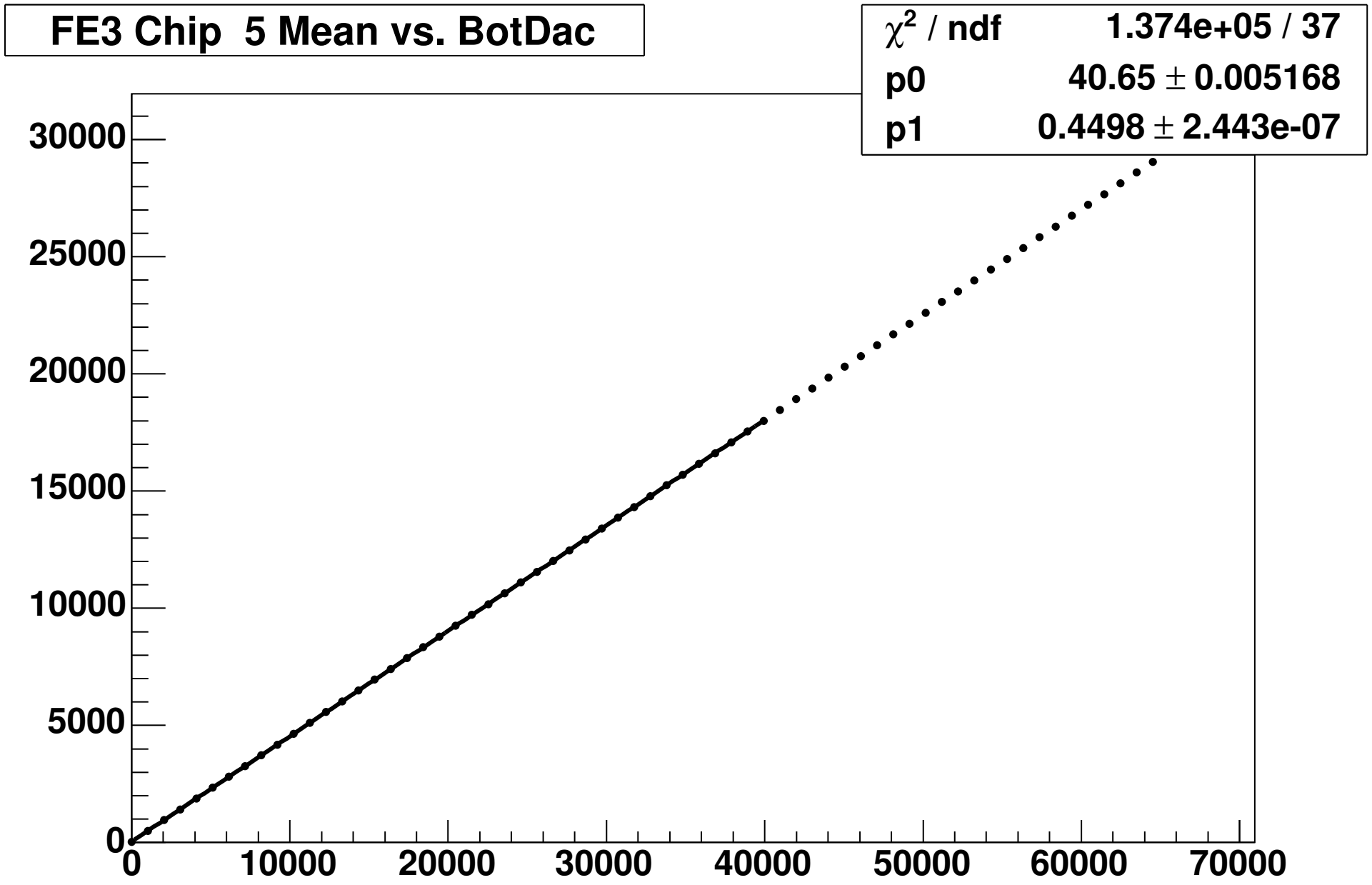
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.374e+05 / 37
p0 40.65 ± 0.005168
p1 0.4498 ± 2.443e-07
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15000
10000
5000
0
0
10000
20000
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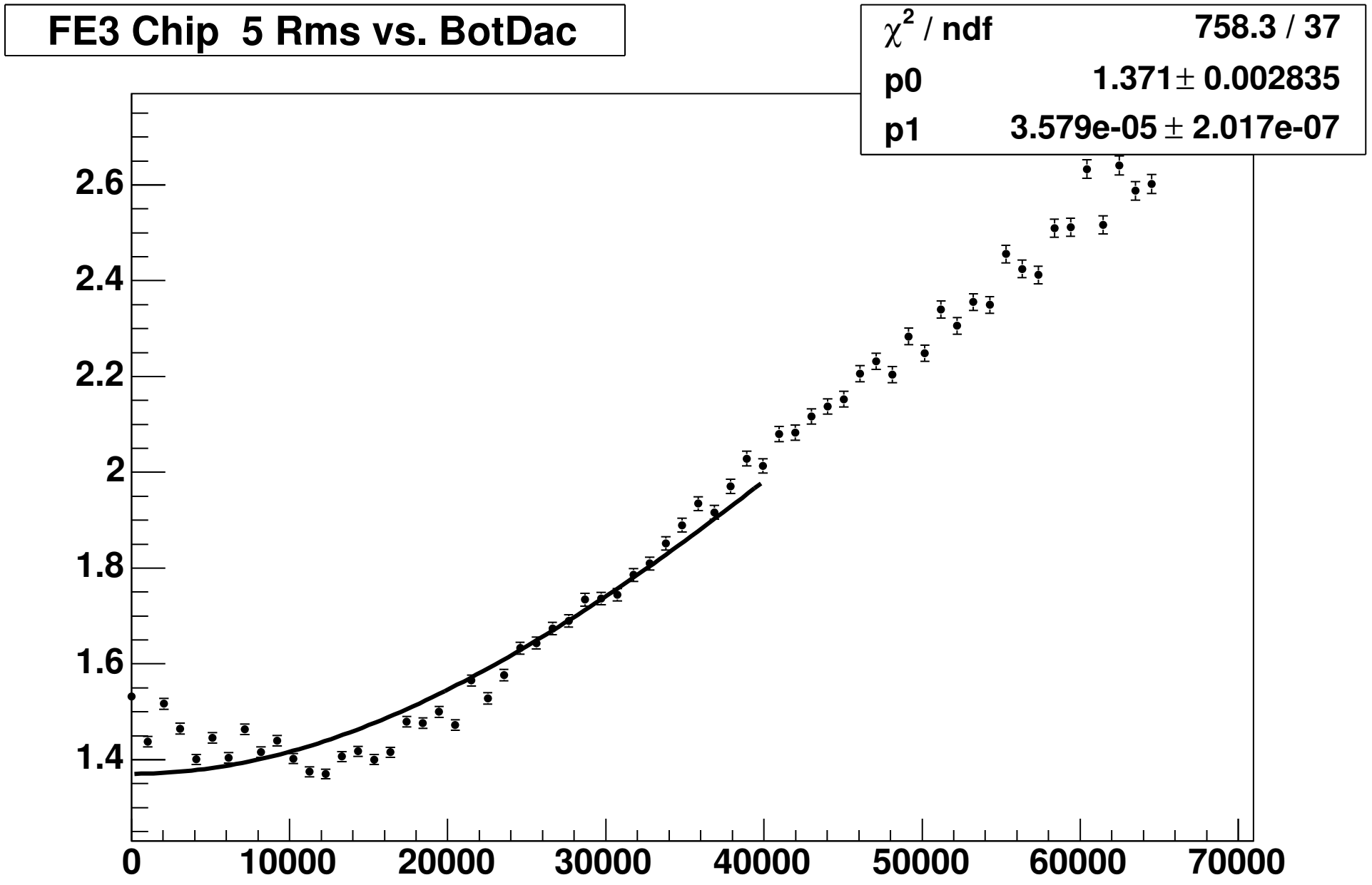
FE3 Chip 5 Rms vs. BotDac
χ² / ndf 758.3 / 37
p0 1.371 ± 0.002835
p1 3.579e-05 ± 2.017e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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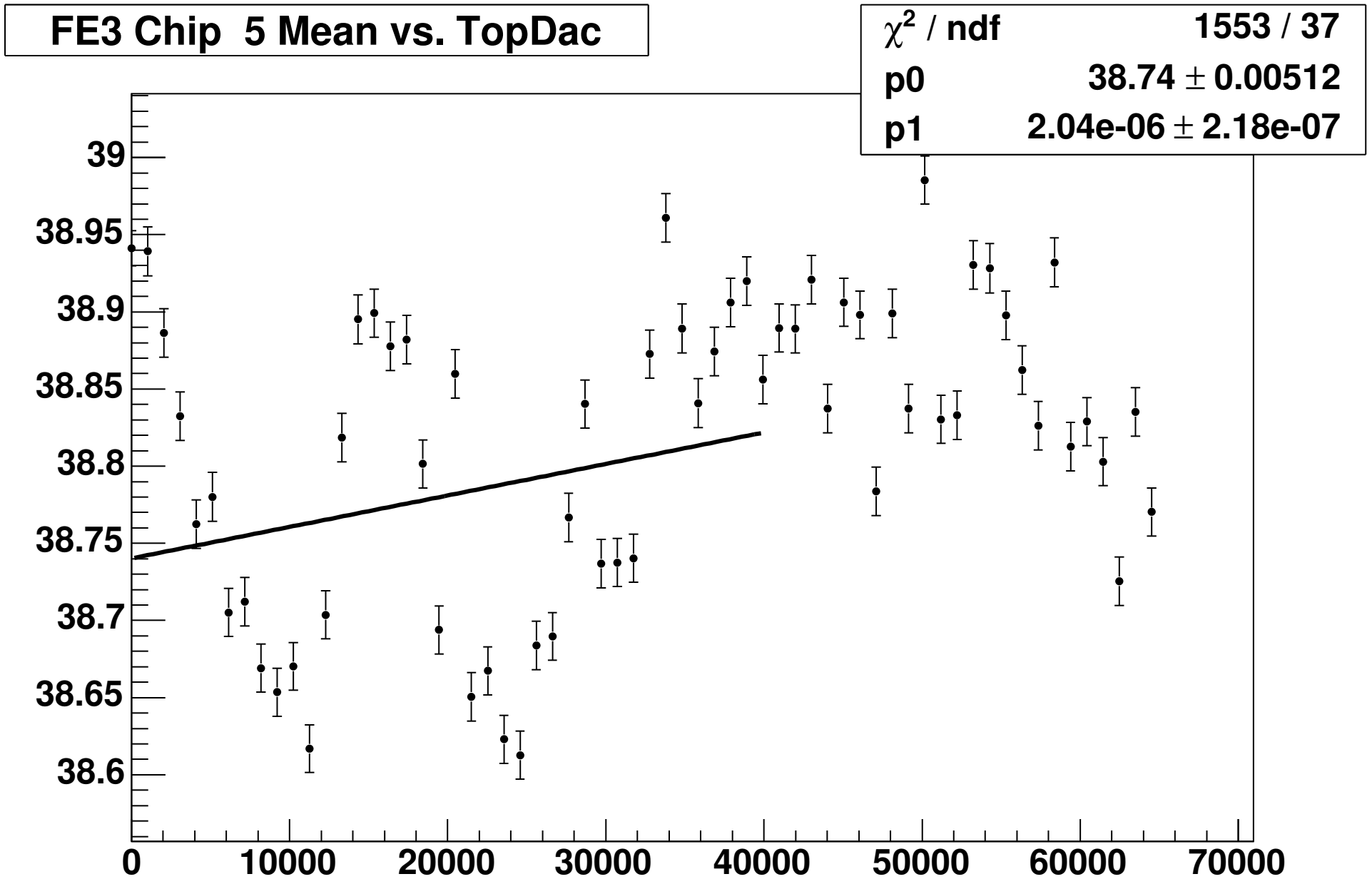
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1553 / 37
p0 38.74 ± 0.00512
p1 2.04e-06 ± 2.18e-07
39
38.95
38.9
38.85
38.8
38.75
38.7
38.65
38.6
0
10000
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30000
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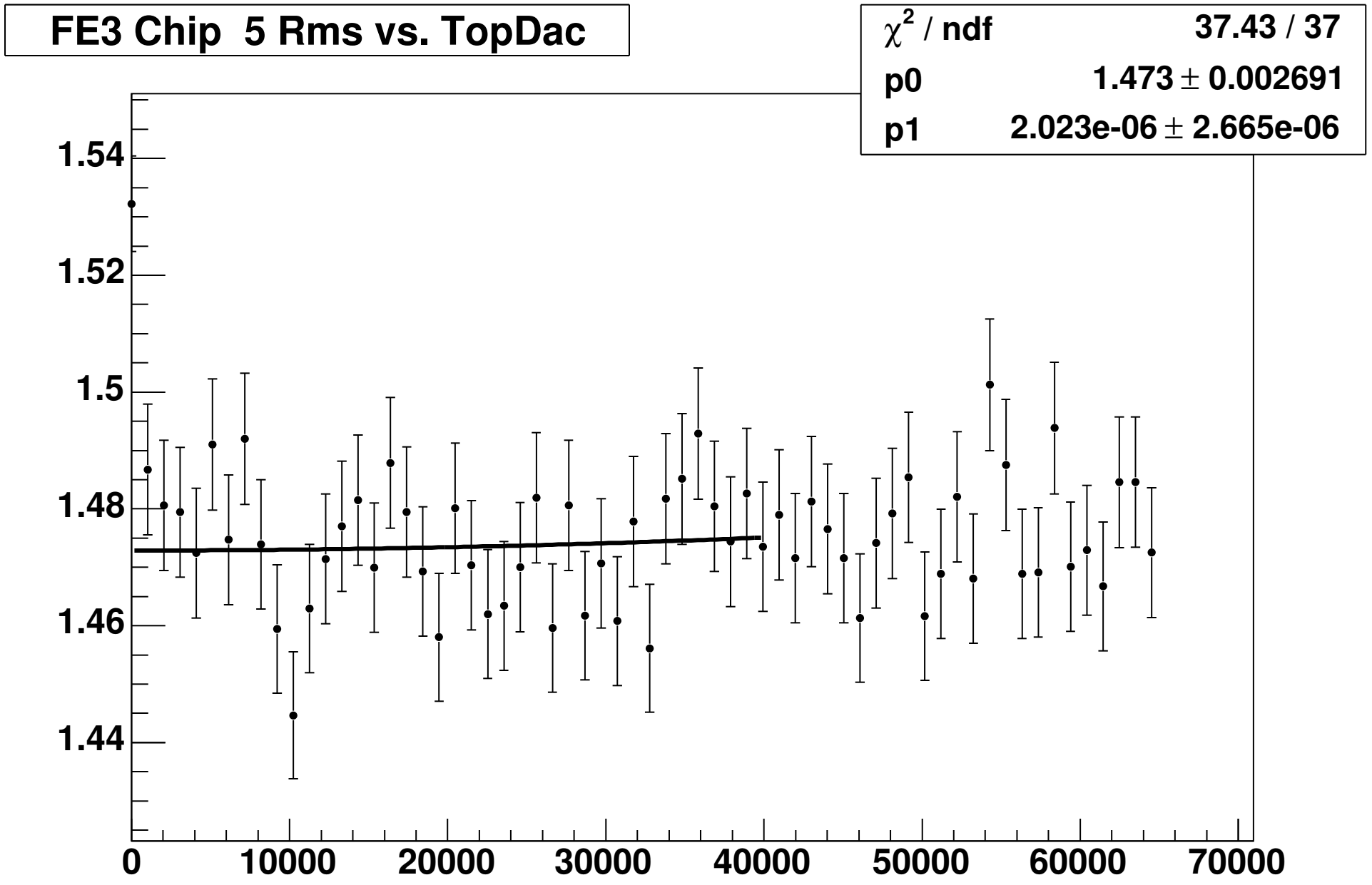
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 37.43 / 37
p0 1.473 ± 0.002691
p1 2.023e-06 ± 2.665e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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60000
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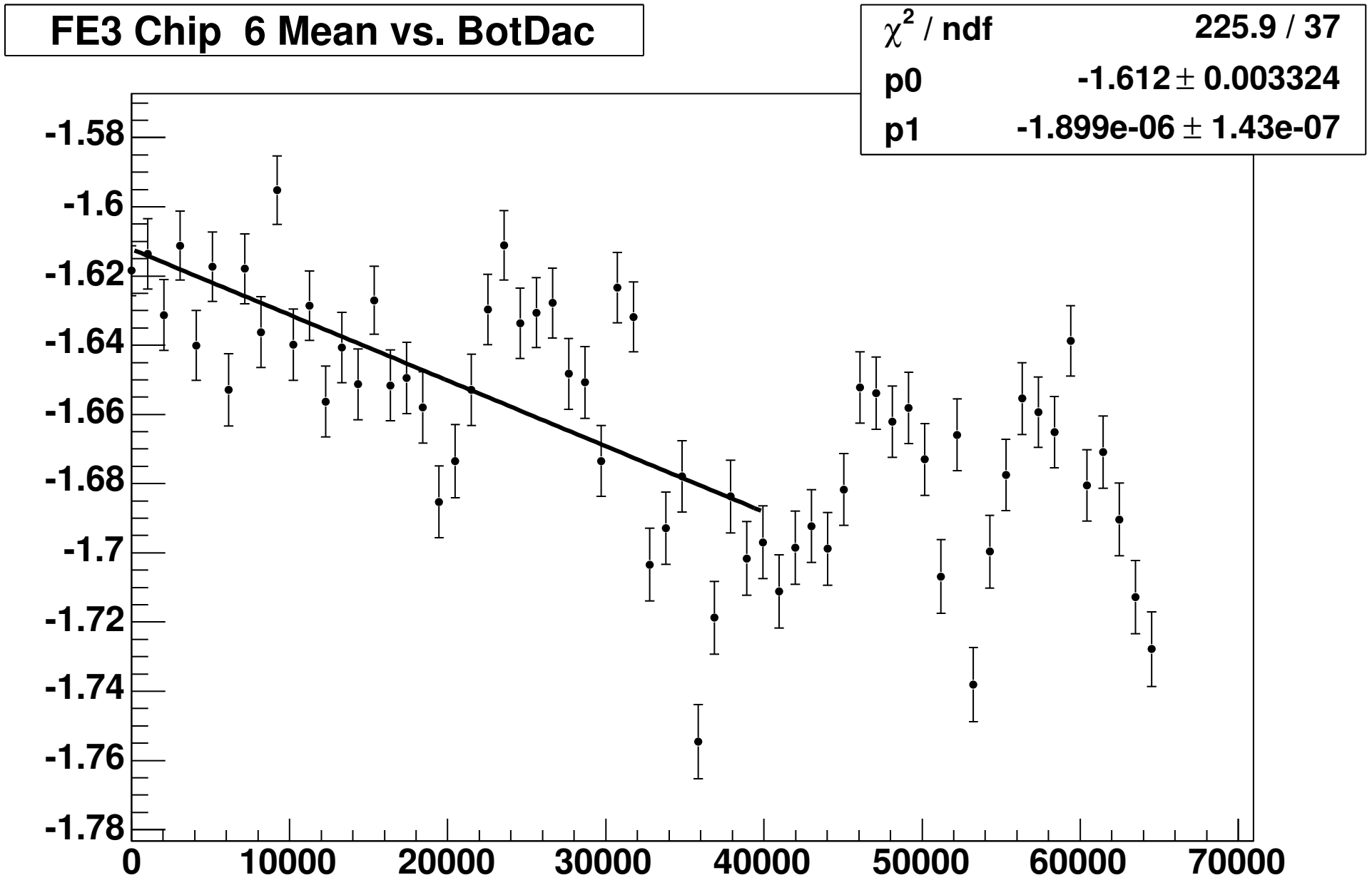
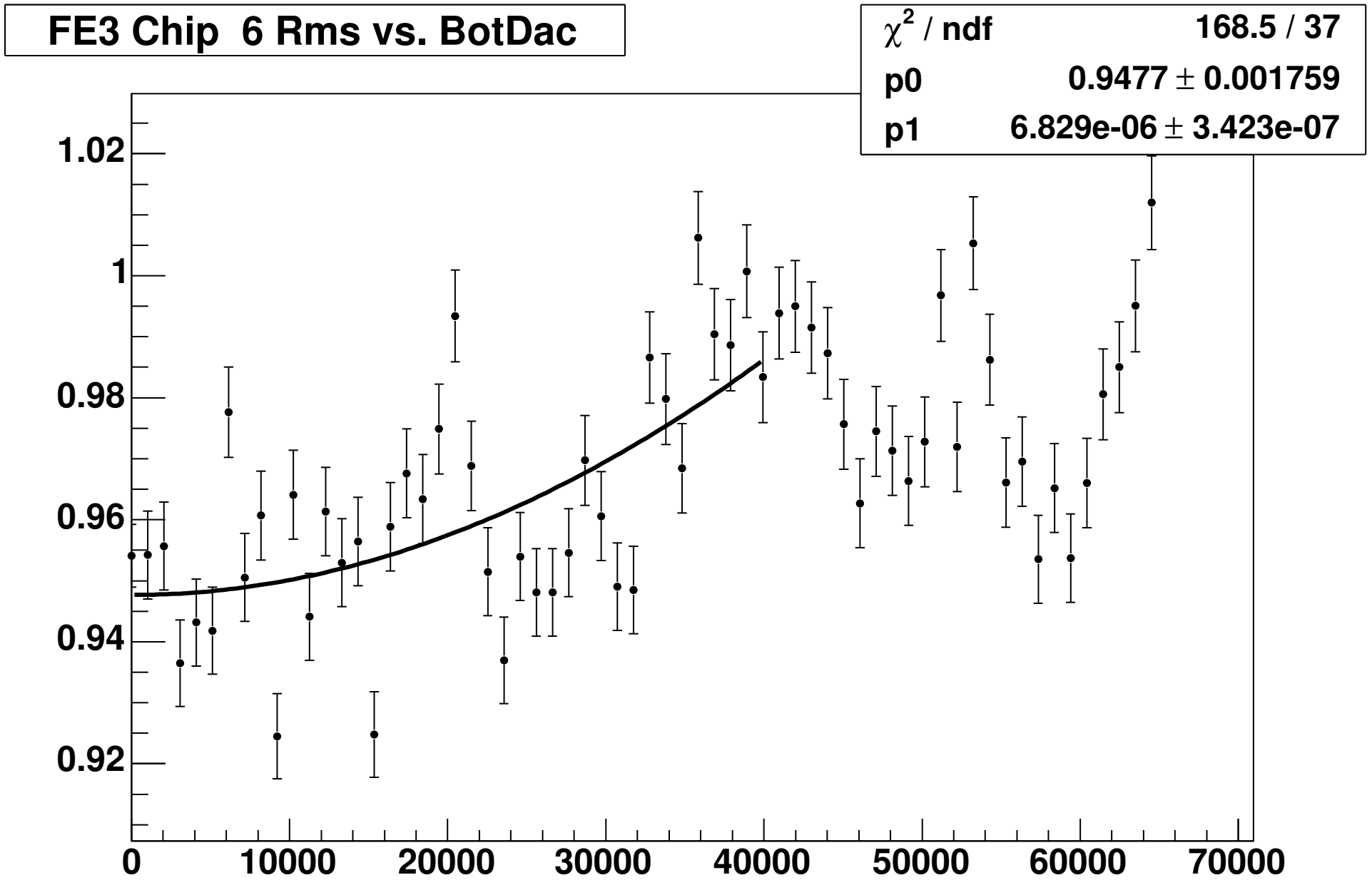

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 225.9 / 37
p0 -1.612 ± 0.003324
p1 -1.899e-06 ± 1.43e-07
-1.58
-1.6
-1.62
-1.64
-1.66
-1.68
-1.7
-1.72
-1.74
-1.76
-1.78
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 168.5 / 37
p0 0.9477 ± 0.001759
p1 6.829e-06 ± 3.423e-07
1.02
1
0.98
0.96
0.94
0.92
0
10000
20000
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50000
60000
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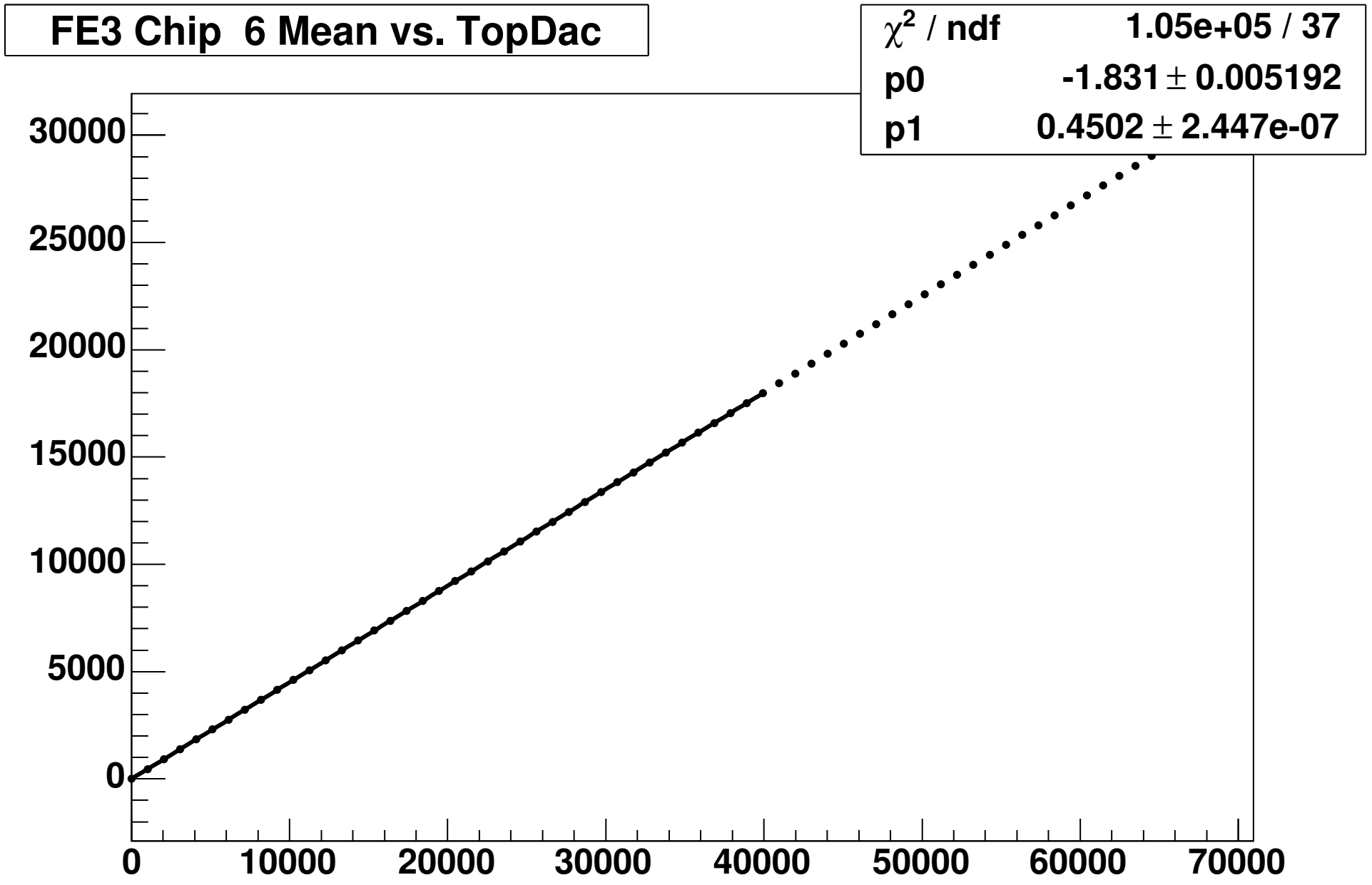
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.05e+05 / 37
p0 -1.831 ± 0.005192
p1 0.4502 ± 2.447e-07
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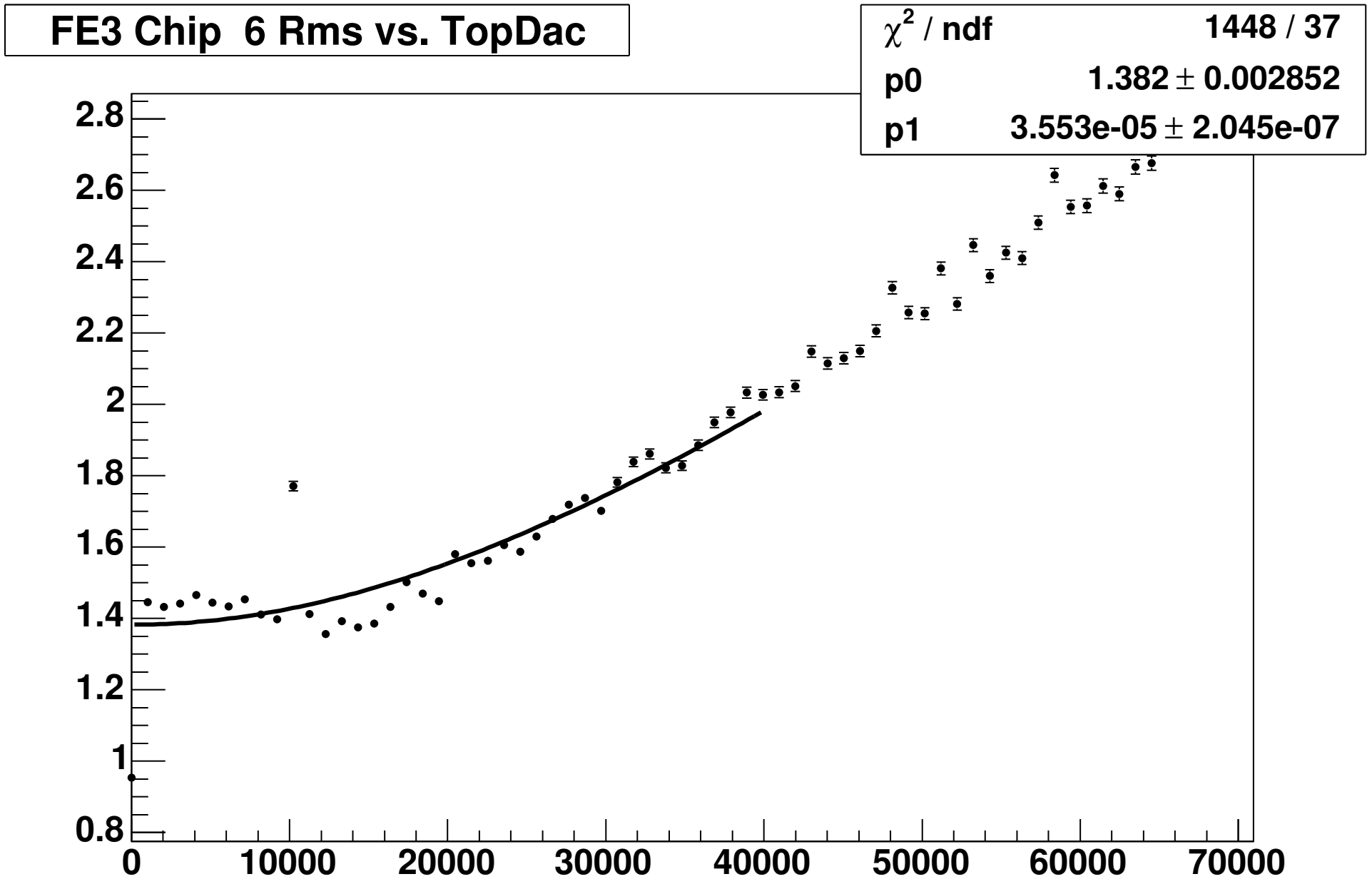
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1448 / 37
p0 1.382 ± 0.002852
p1 3.553e-05 ± 2.045e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
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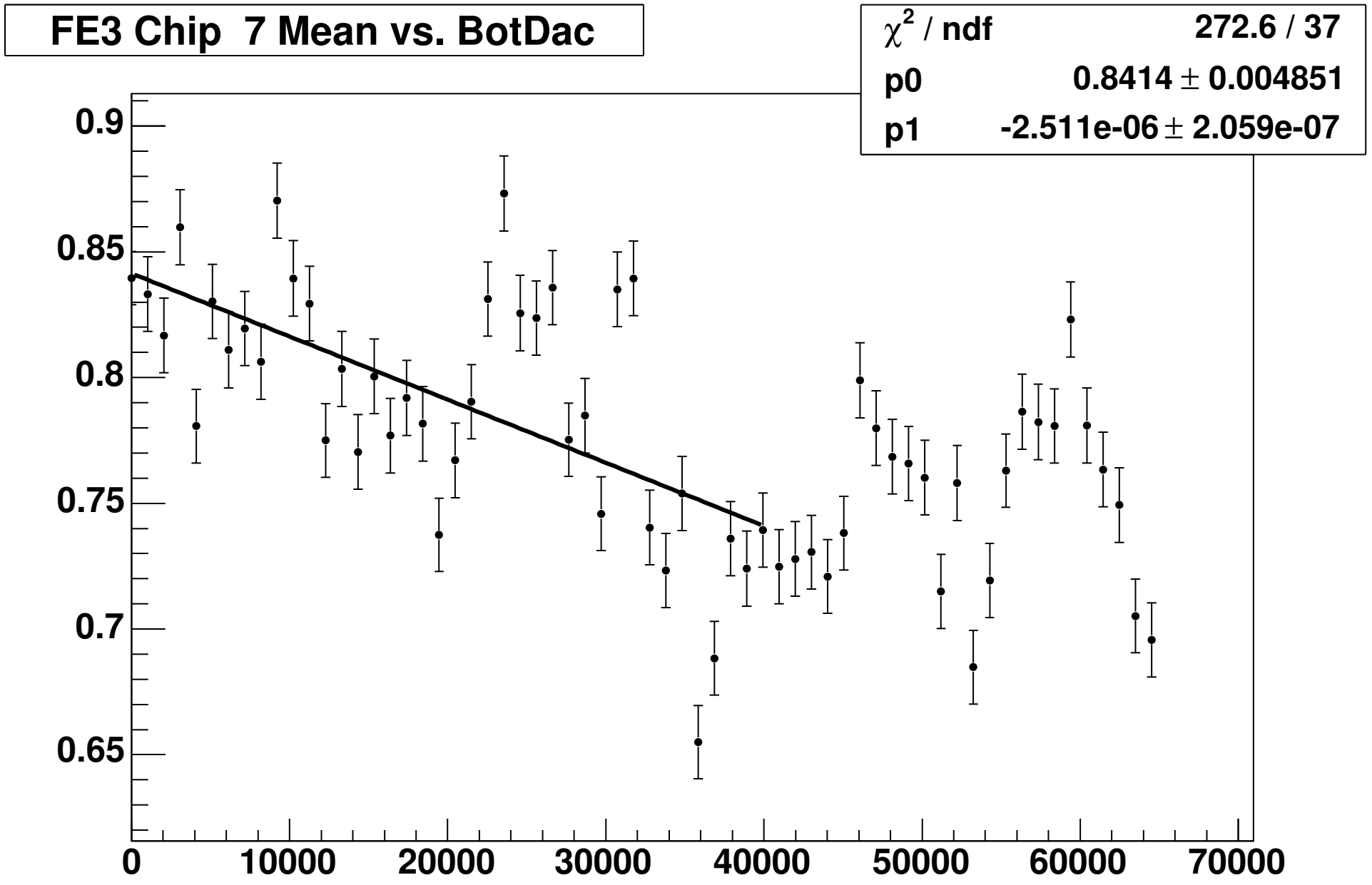
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 272.6 / 37
p0 0.8414 ± 0.004851
p1 -2.511e-06 ± 2.059e-07
0.9
0.85
0.8
0.75
0.7
0.65
0
10000
20000
30000
40000
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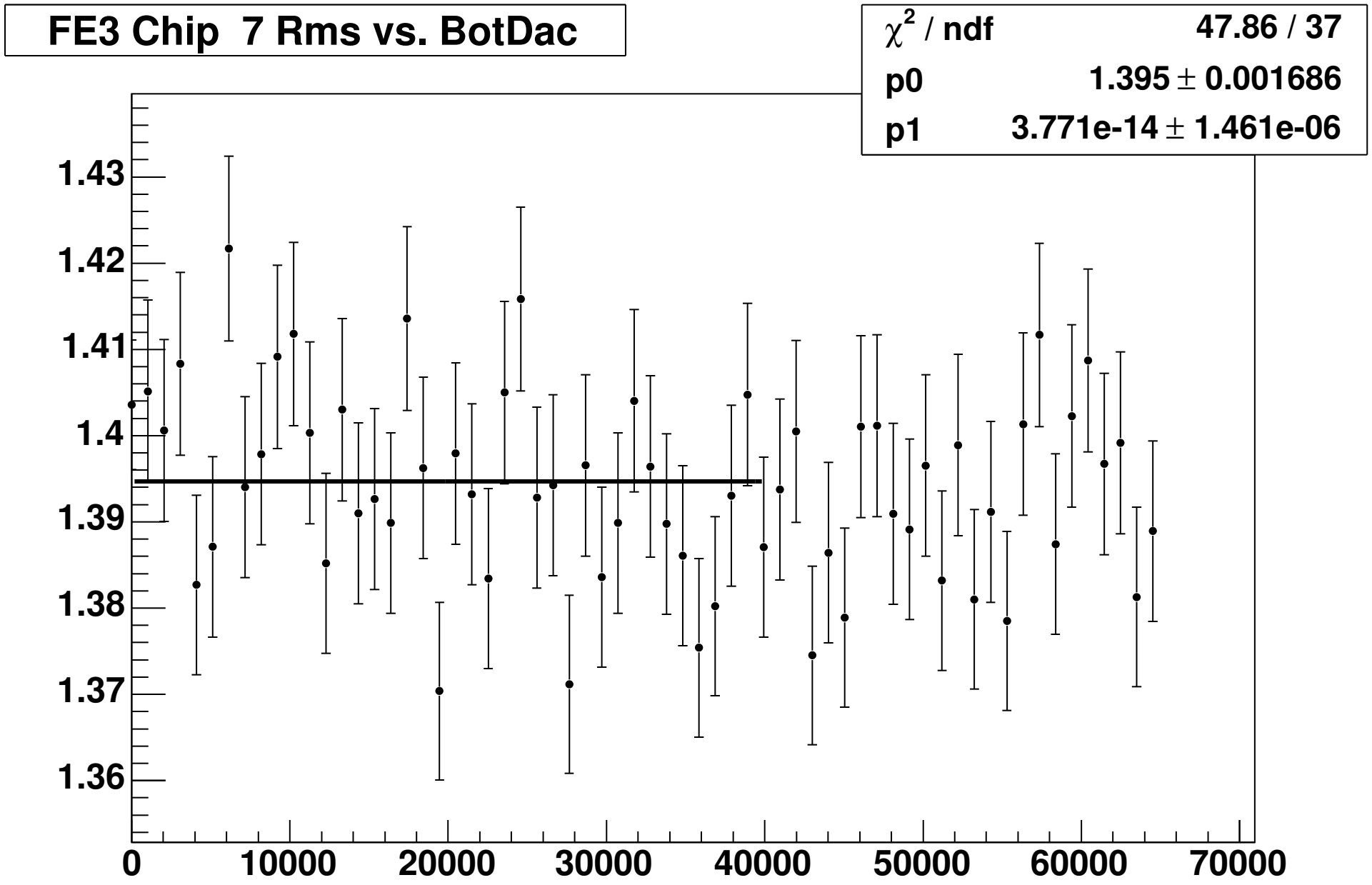
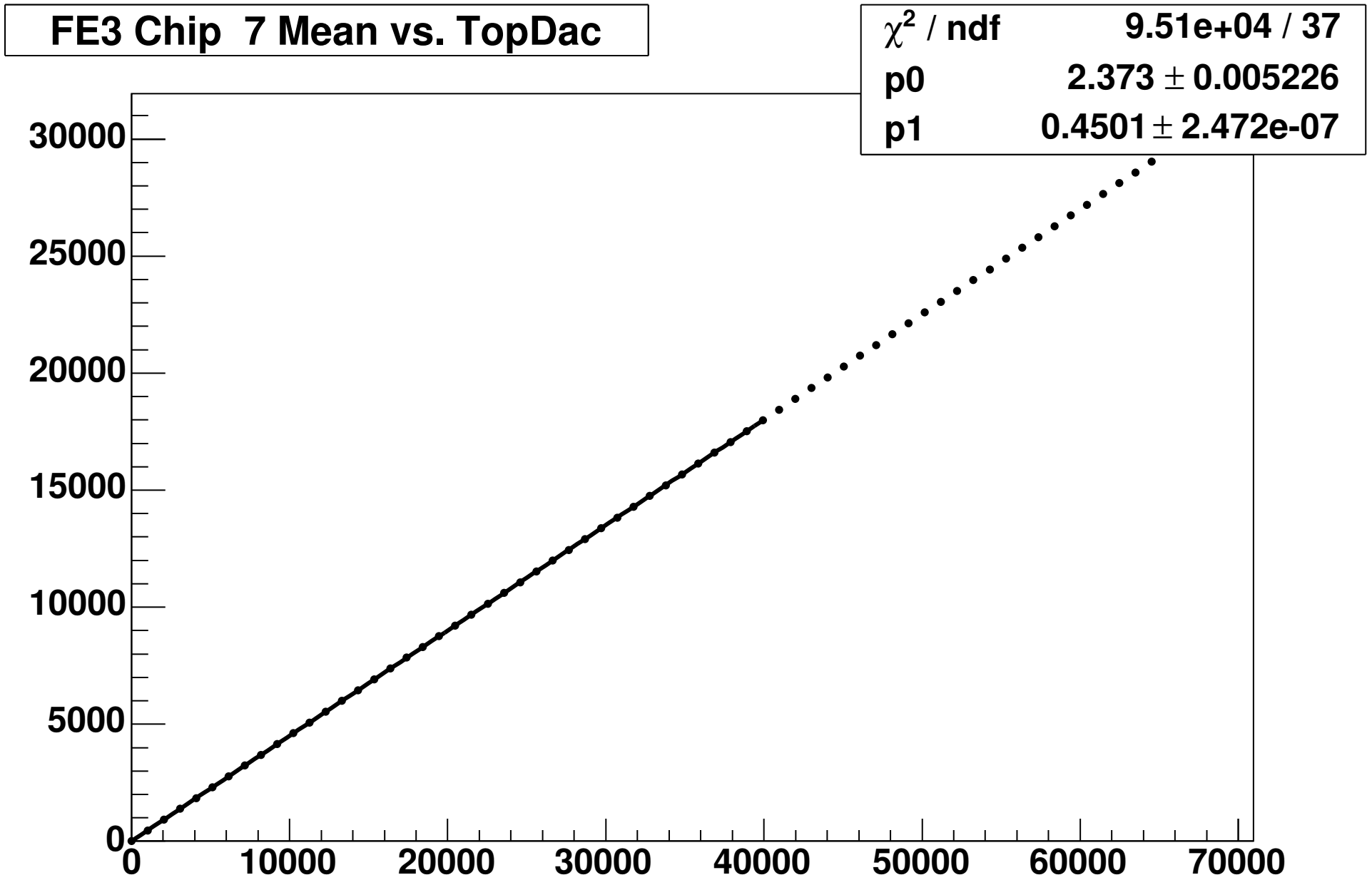
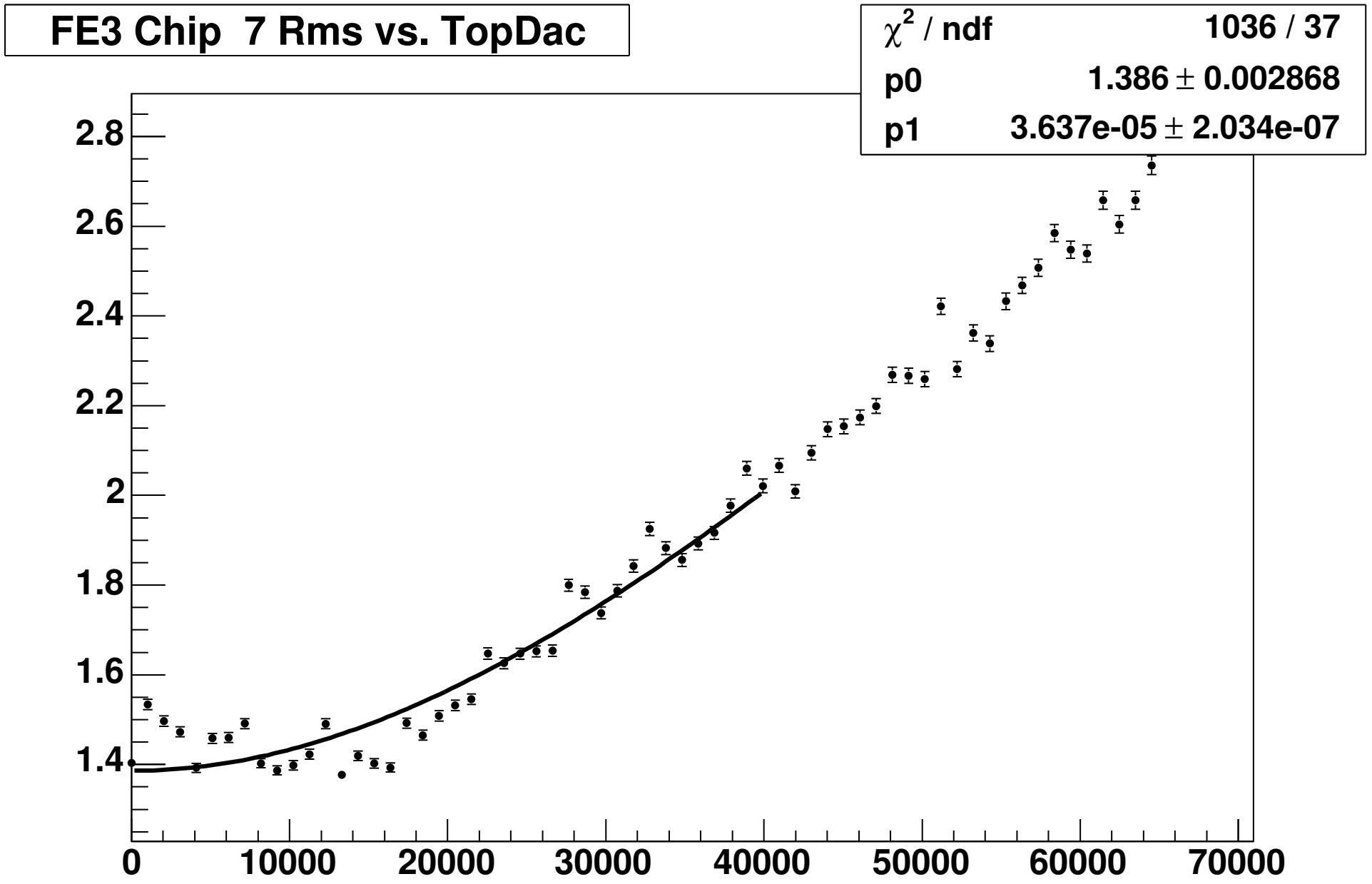
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 47.86 / 37
p0 1.395 ± 0.001686
p1 3.771e-14 ± 1.461e-06
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ^2 / ndf 9.51e+04 / 37
p0 2.373 ± 0.005226
p1 0.4501 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ^2 / ndf 1036 / 37
p0 1.386 ± 0.002868
p1 3.637e-05 ± 2.034e-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
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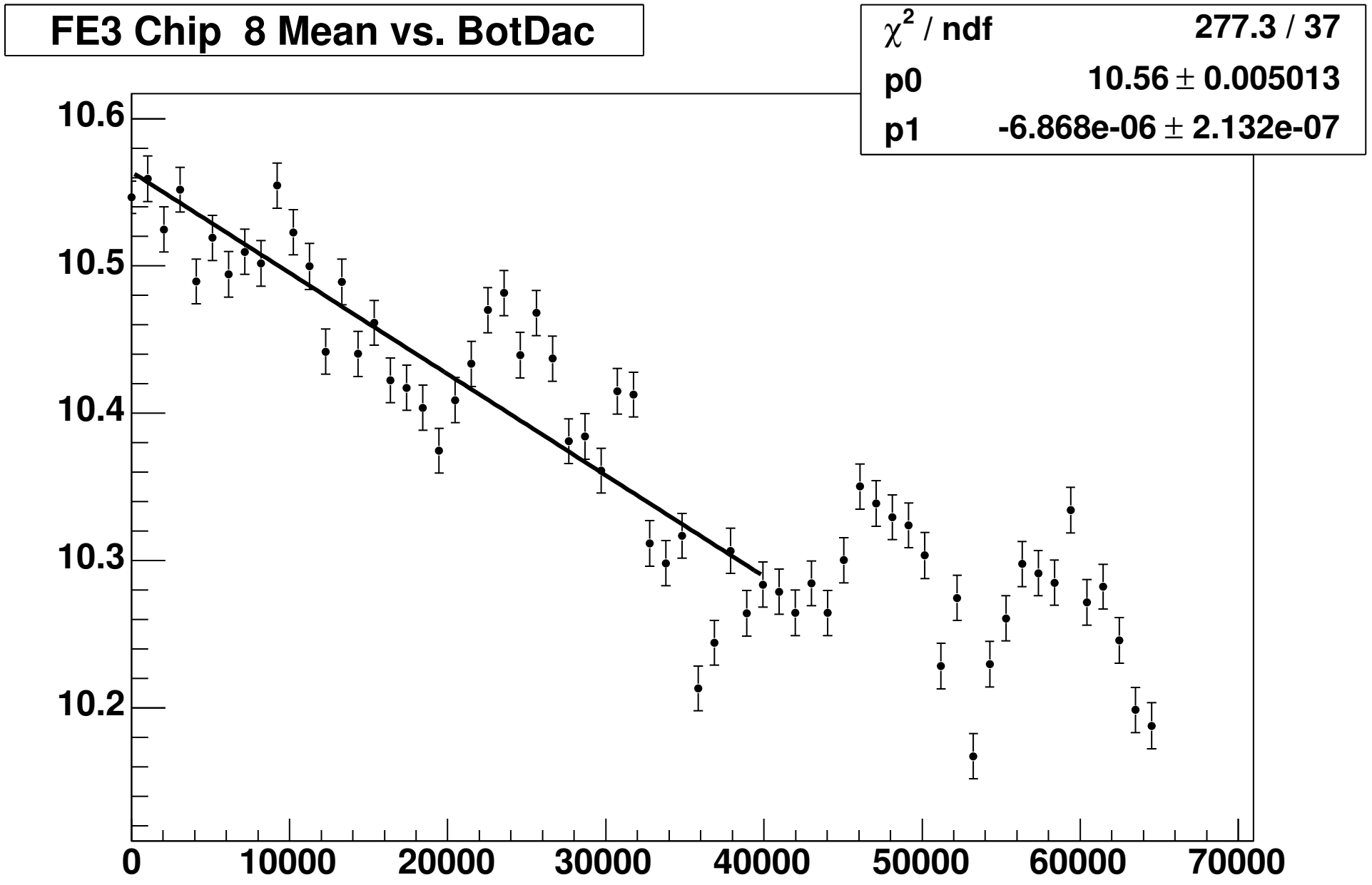
FE3 Chip 8 Mean vs. BotDac
χ² / ndf 277.3 / 37
p0 10.56 ± 0.005013
p1 -6.868e-06 ± 2.132e-07
10.6
10.5
10.4
10.3
10.2
0
10000
20000
30000
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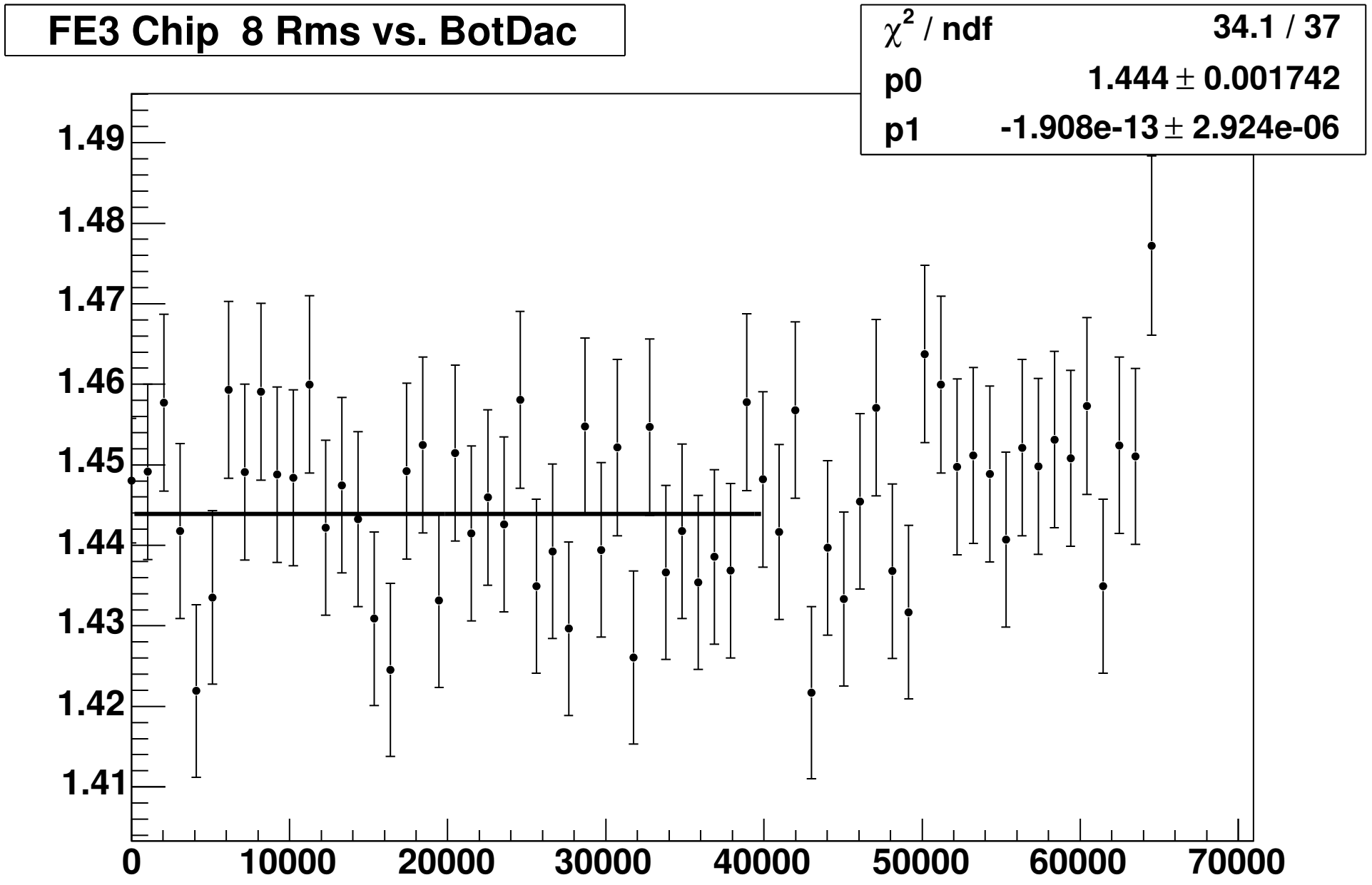
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 34.1 / 37
p0 1.444 ± 0.001742
p1 -1.908e-13 ± 2.924e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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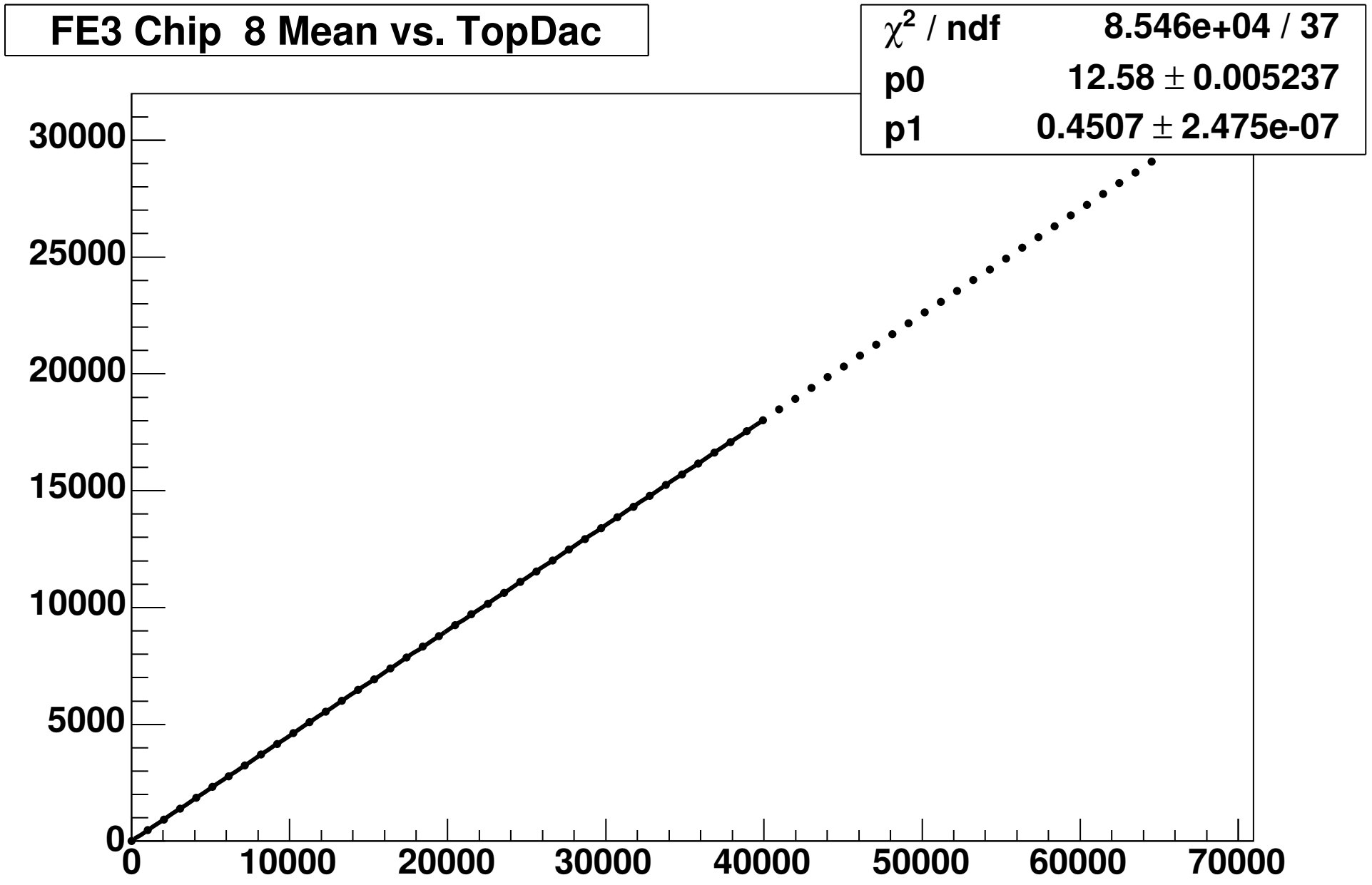
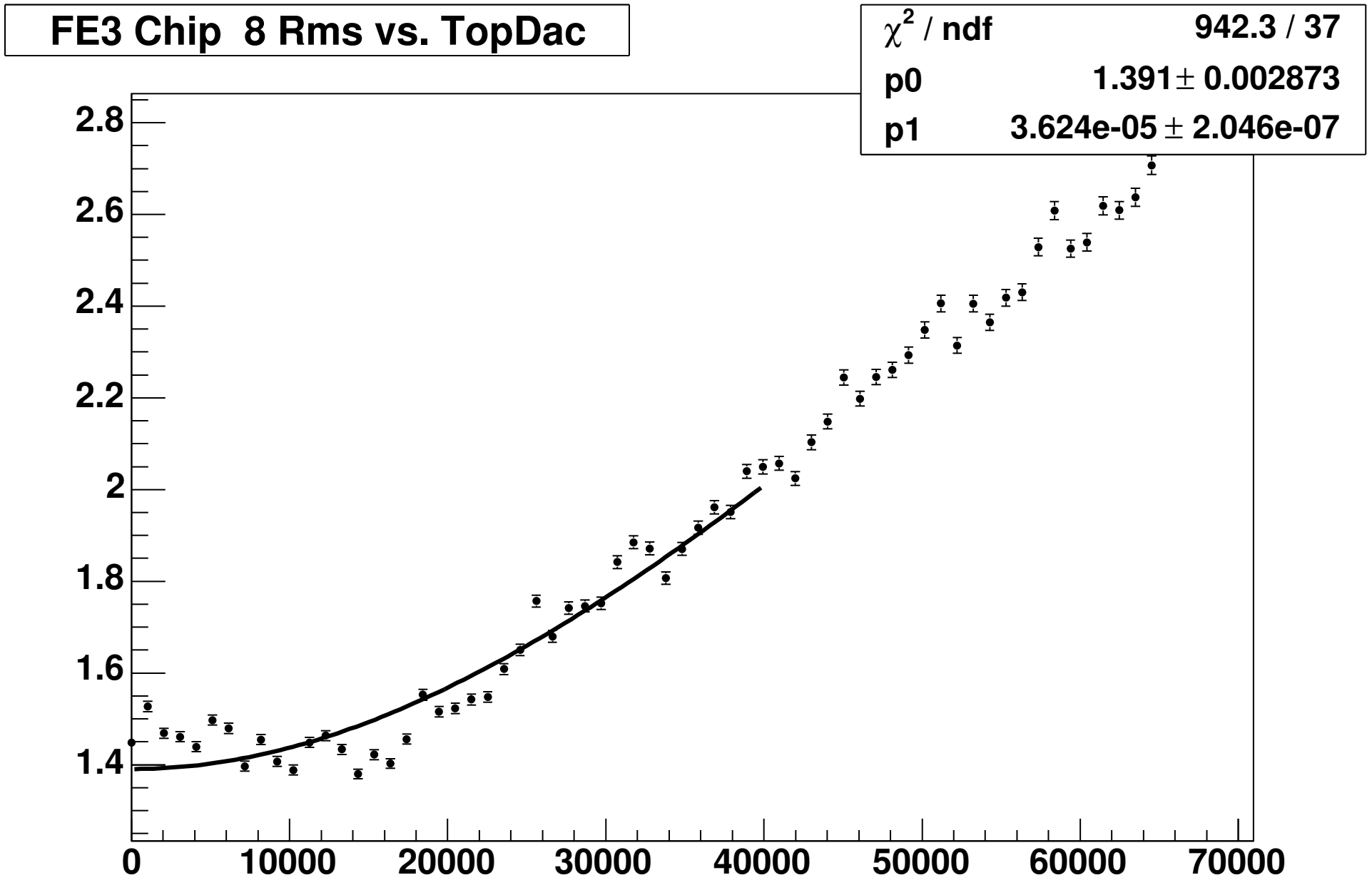
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 8.546e+04 / 37
p0 12.58 ± 0.005237
p1 0.4507 ± 2.475e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 942.3 / 37
p0 1.391 ± 0.002873
p1 3.624e-05 ± 2.046e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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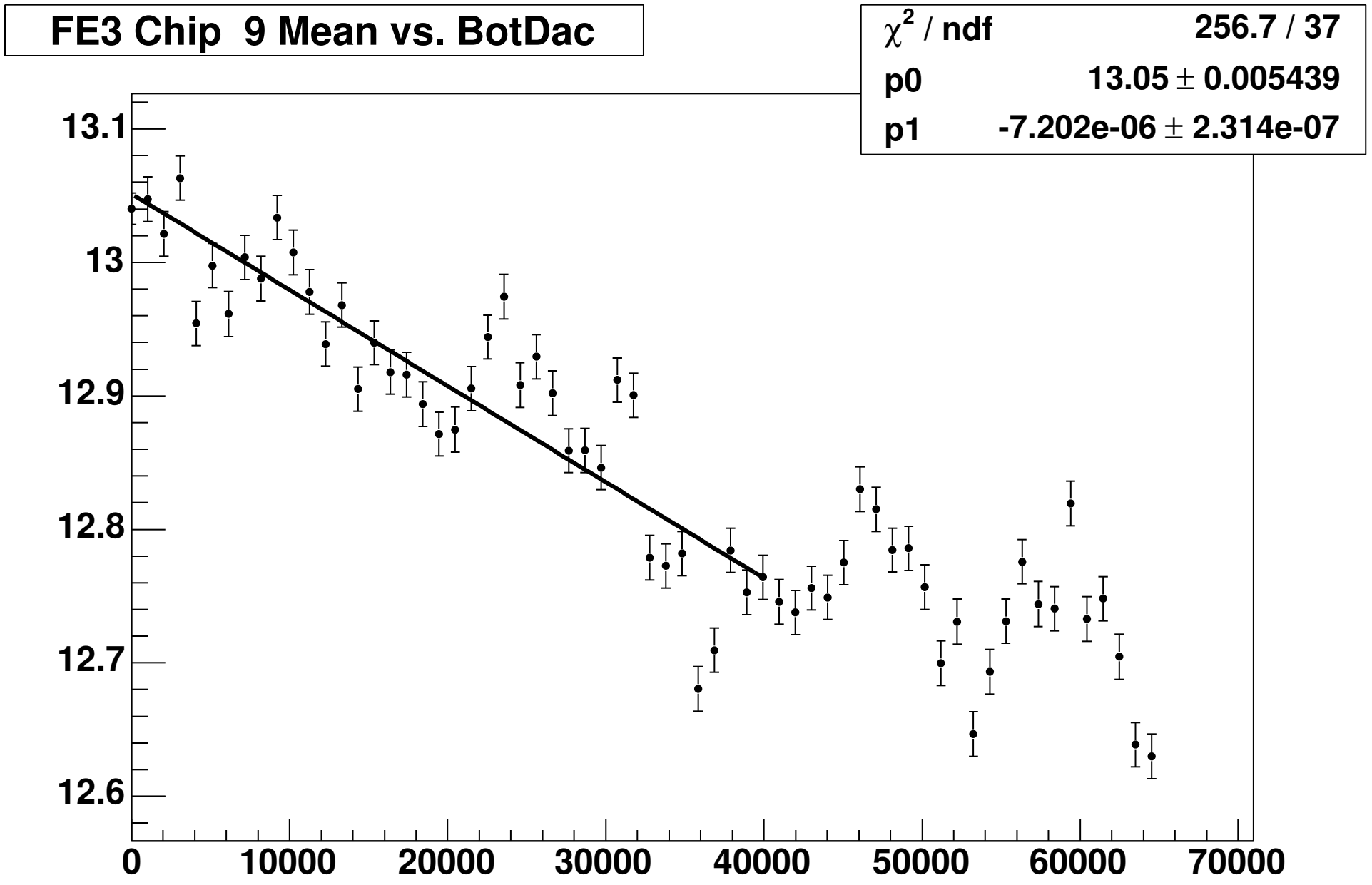
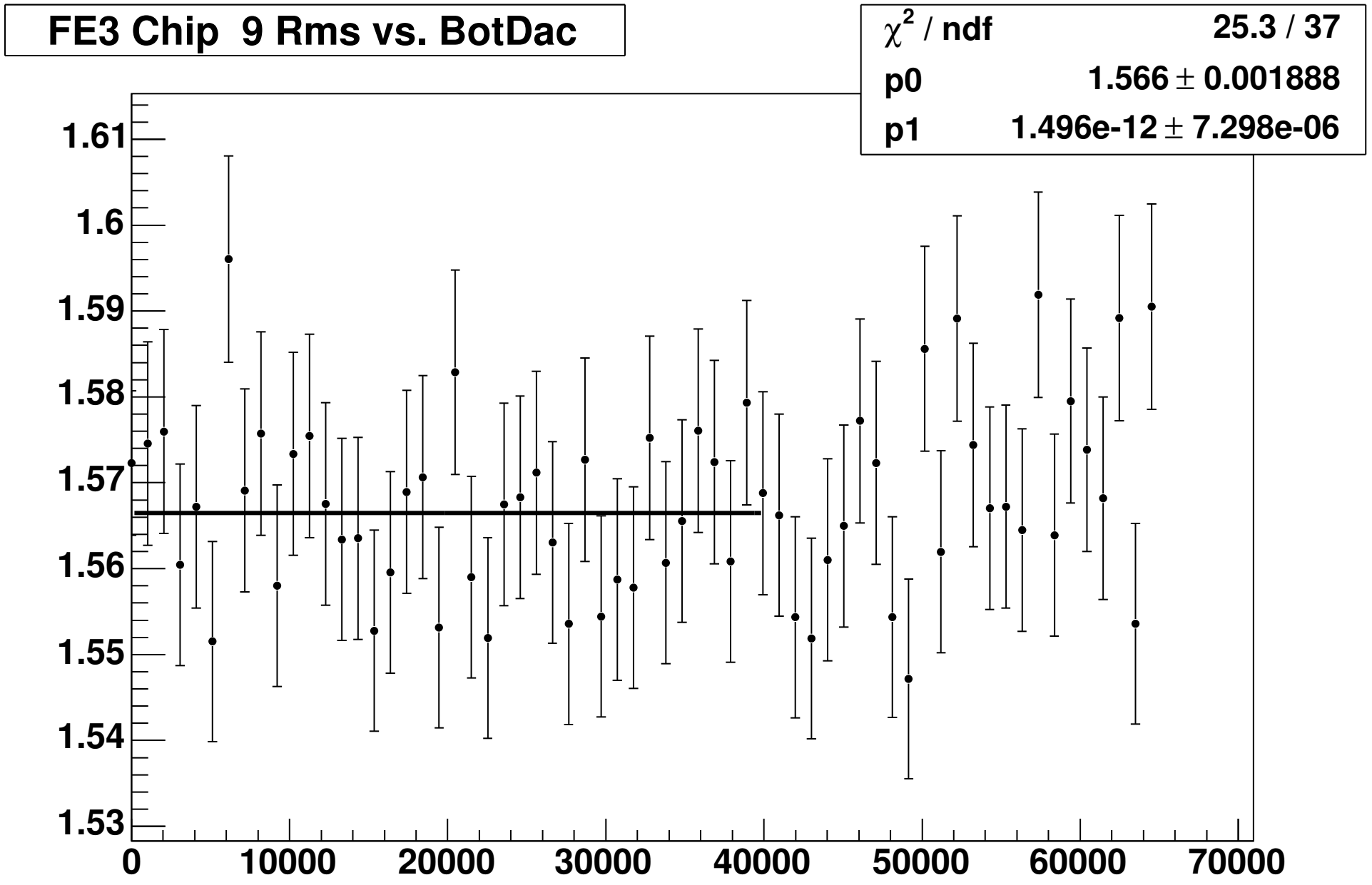

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 256.7 / 37
p0 13.05 ± 0.005439
p1 -7.202e-06 ± 2.314e-07
13.1
13
12.9
12.8
12.7
12.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 25.3 / 37
p0 1.566 ± 0.001888
p1 1.496e-12 ± 7.298e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
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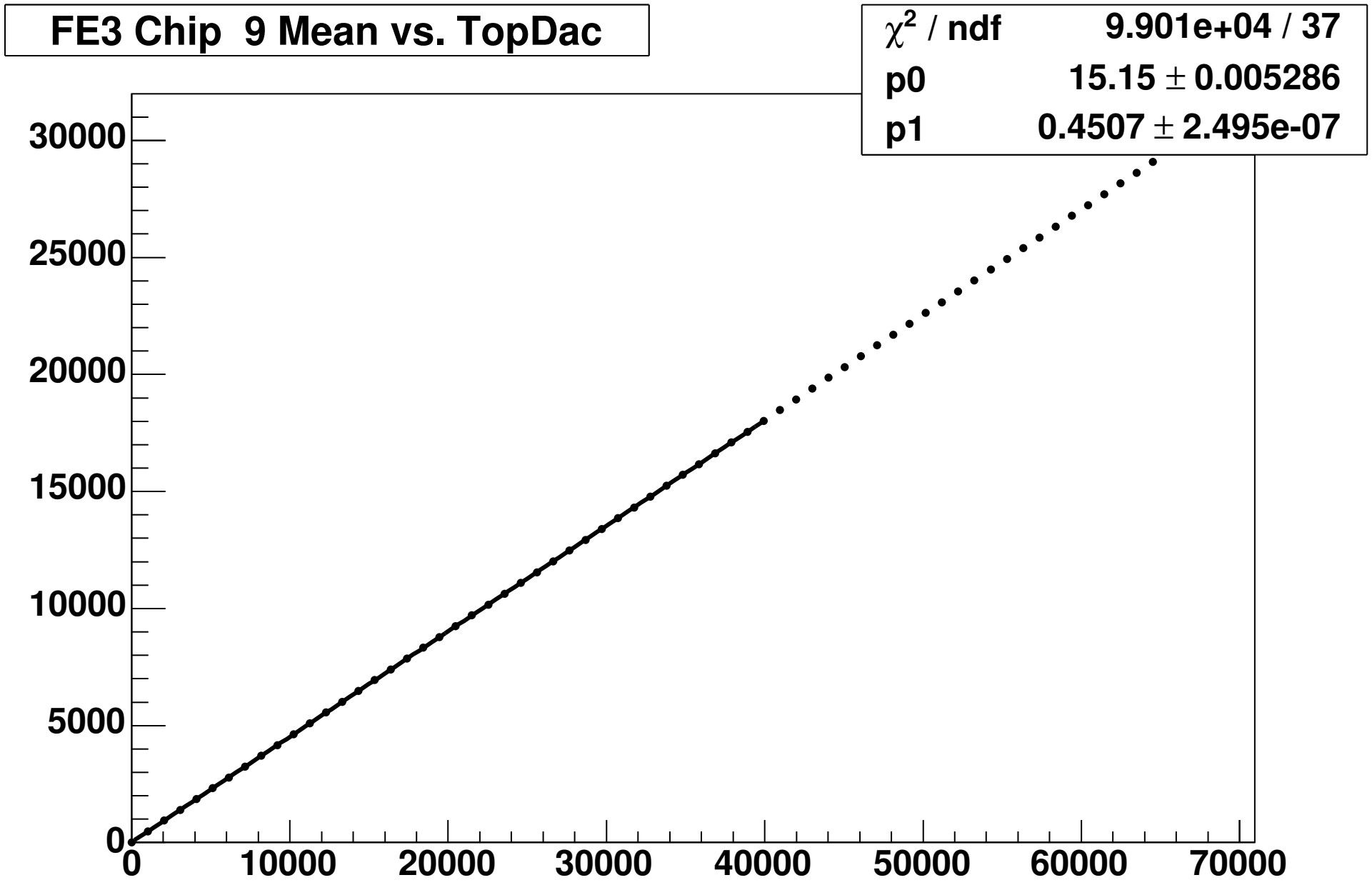
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 9.901e+04 / 37
p0 15.15 ± 0.005286
p1 0.4507 ± 2.495e-07
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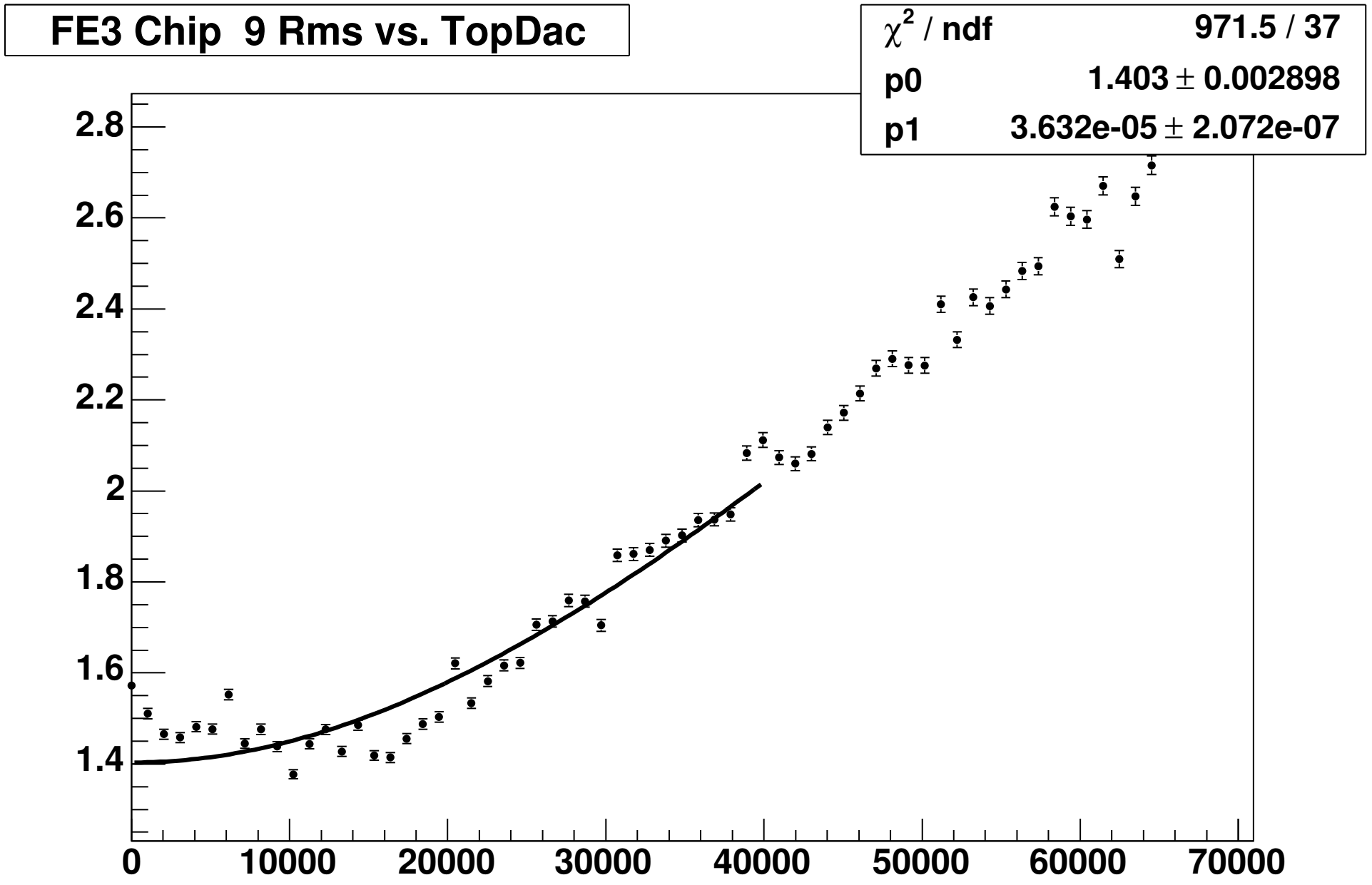
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ^2 / ndf 971.5 / 37
p0 1.403 ± 0.002898
p1 3.632e-05 ± 2.072e-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
50000
60000
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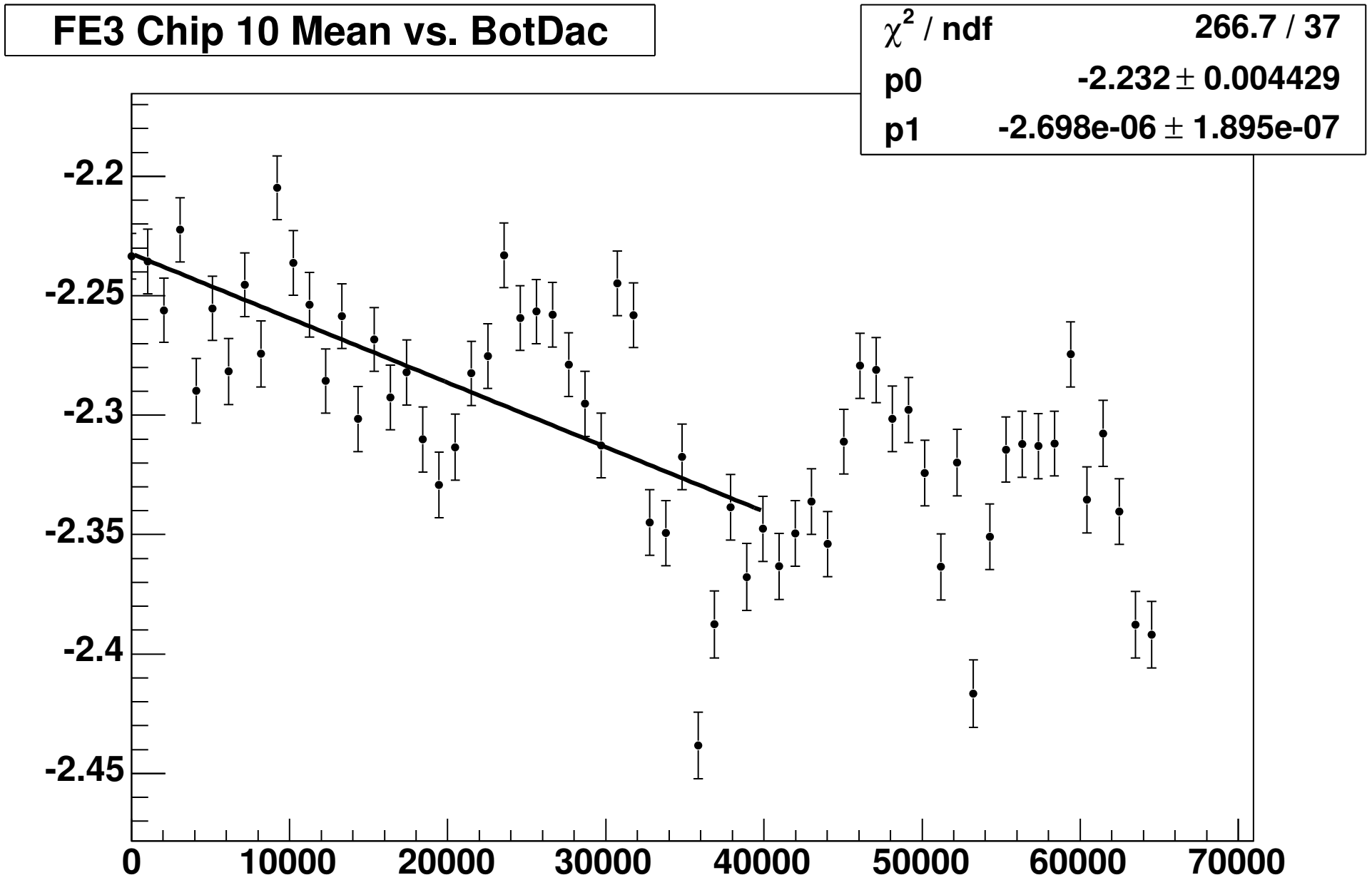
FE3 Chip 10 Mean vs. BotDac
χ² / ndf 266.7 / 37
p0 -2.232 ± 0.004429
p1 -2.698e-06 ± 1.895e-07
-2.2
-2.25
-2.3
-2.35
-2.4
-2.45
0
10000
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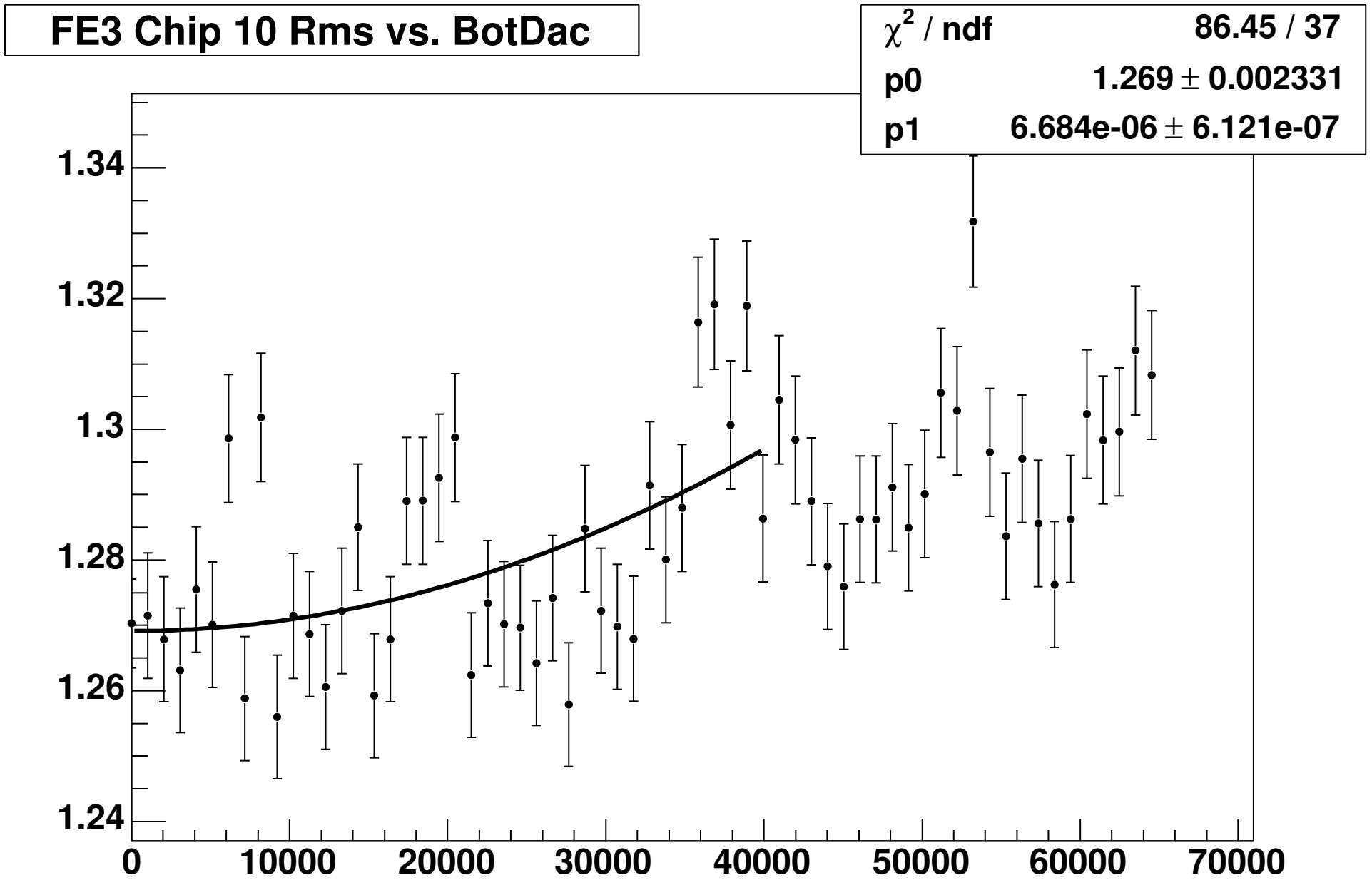
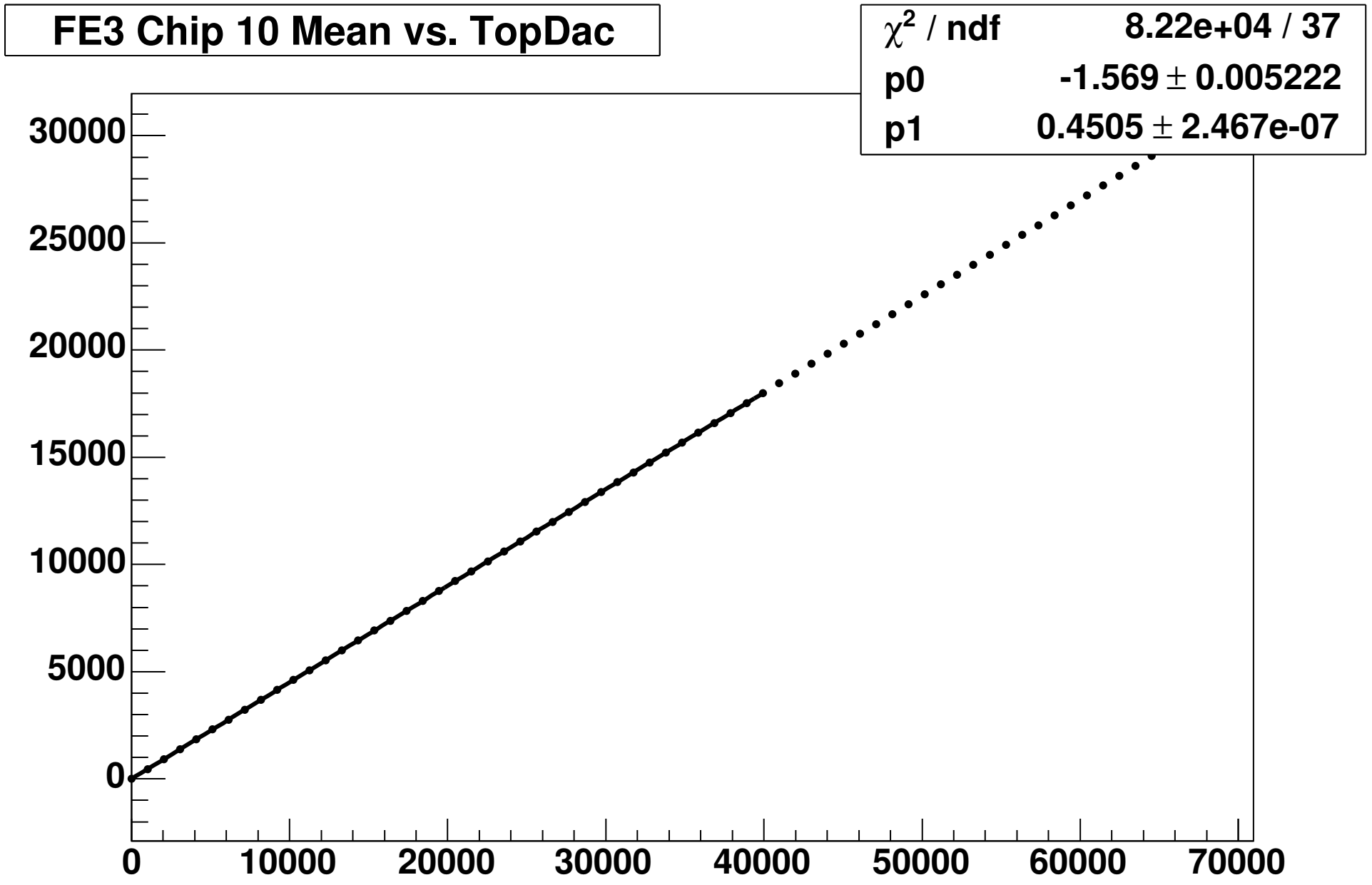
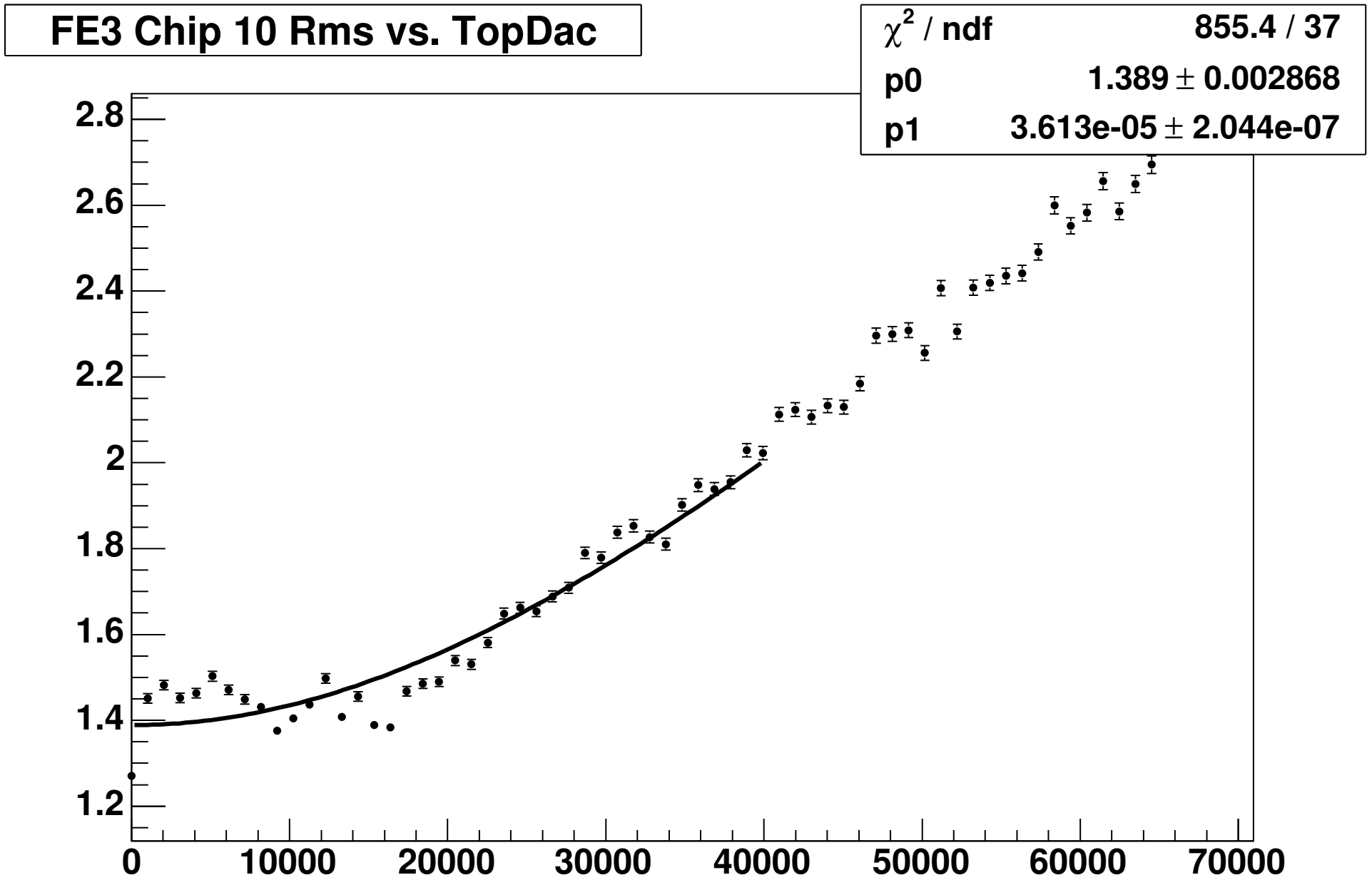
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 86.45 / 37
p0 1.269 ± 0.002331
p1 6.684e-06 ± 6.121e-07
1.34
1.32
1.3
1.28
1.26
1.24
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 8.22e+04 / 37
p0 -1.569 ± 0.005222
p1 0.4505 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 855.4 / 37
p0 1.389 ± 0.002868
p1 3.613e-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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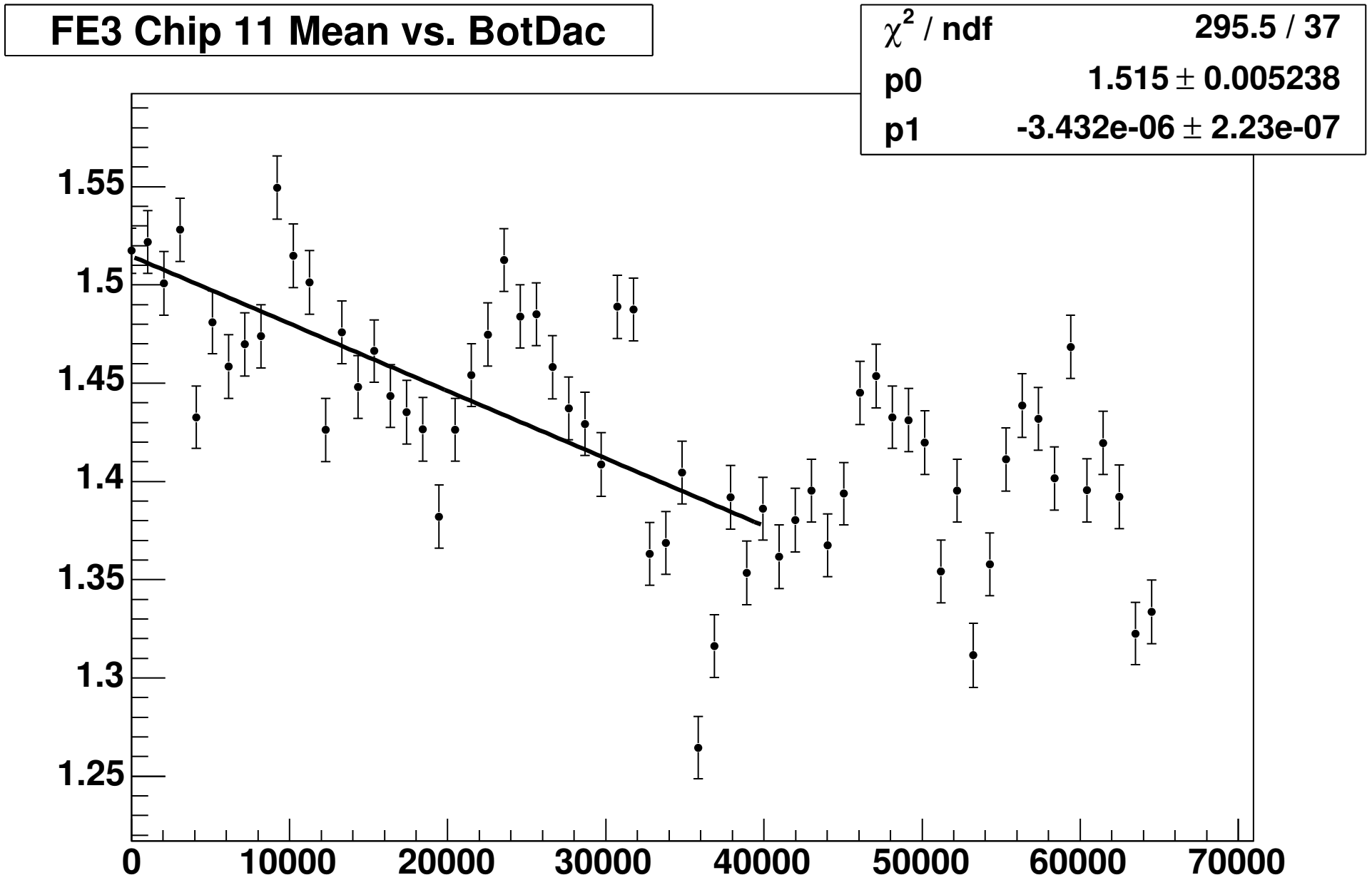
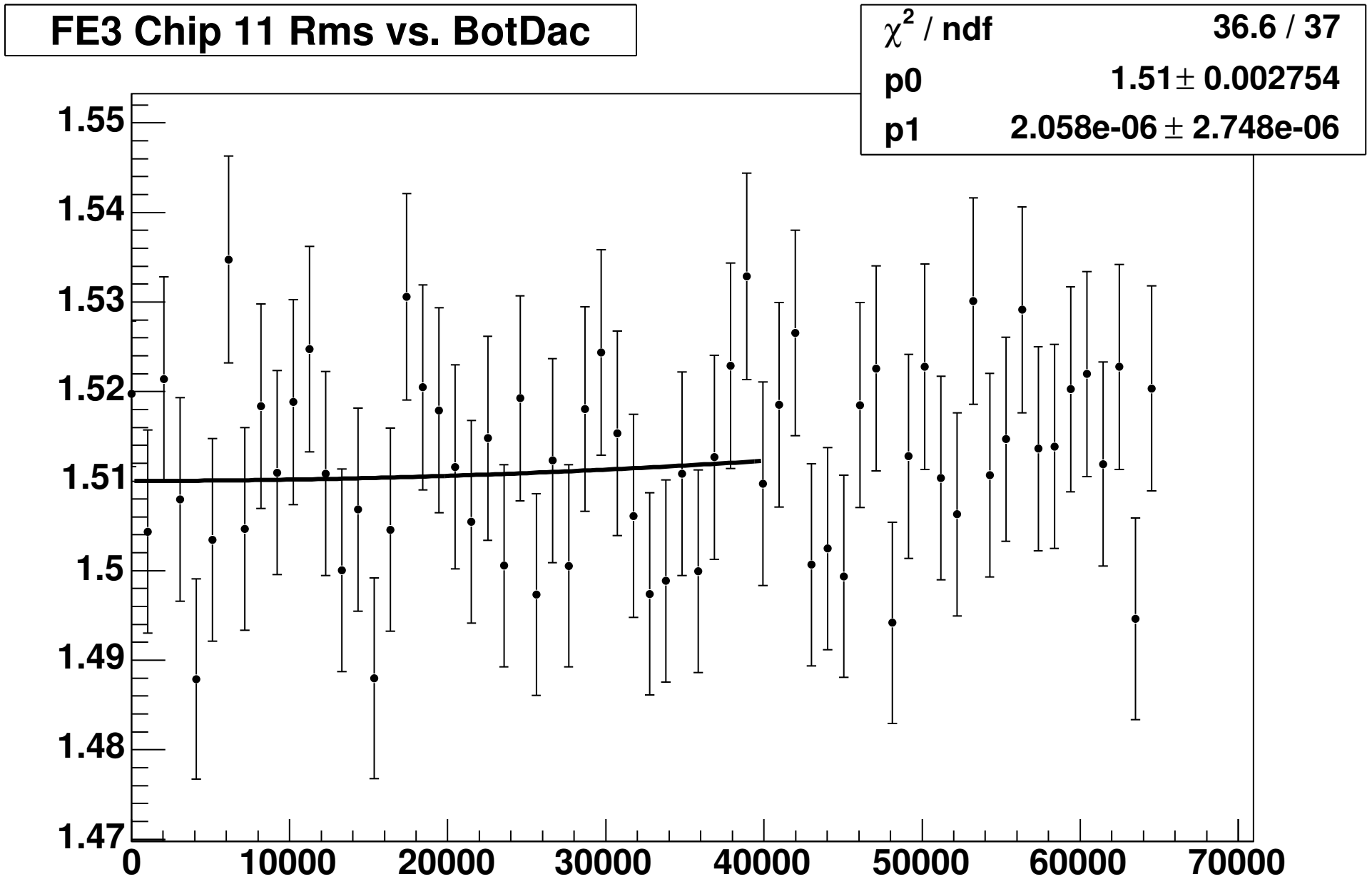

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 295.5 / 37
p0 1.515 ± 0.005238
p1 -3.432e-06 ± 2.23e-07
1.55
1.5
1.45
1.4
1.35
1.3
1.25
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 36.6 / 37
p0 1.51 ± 0.002754
p1 2.058e-06 ± 2.748e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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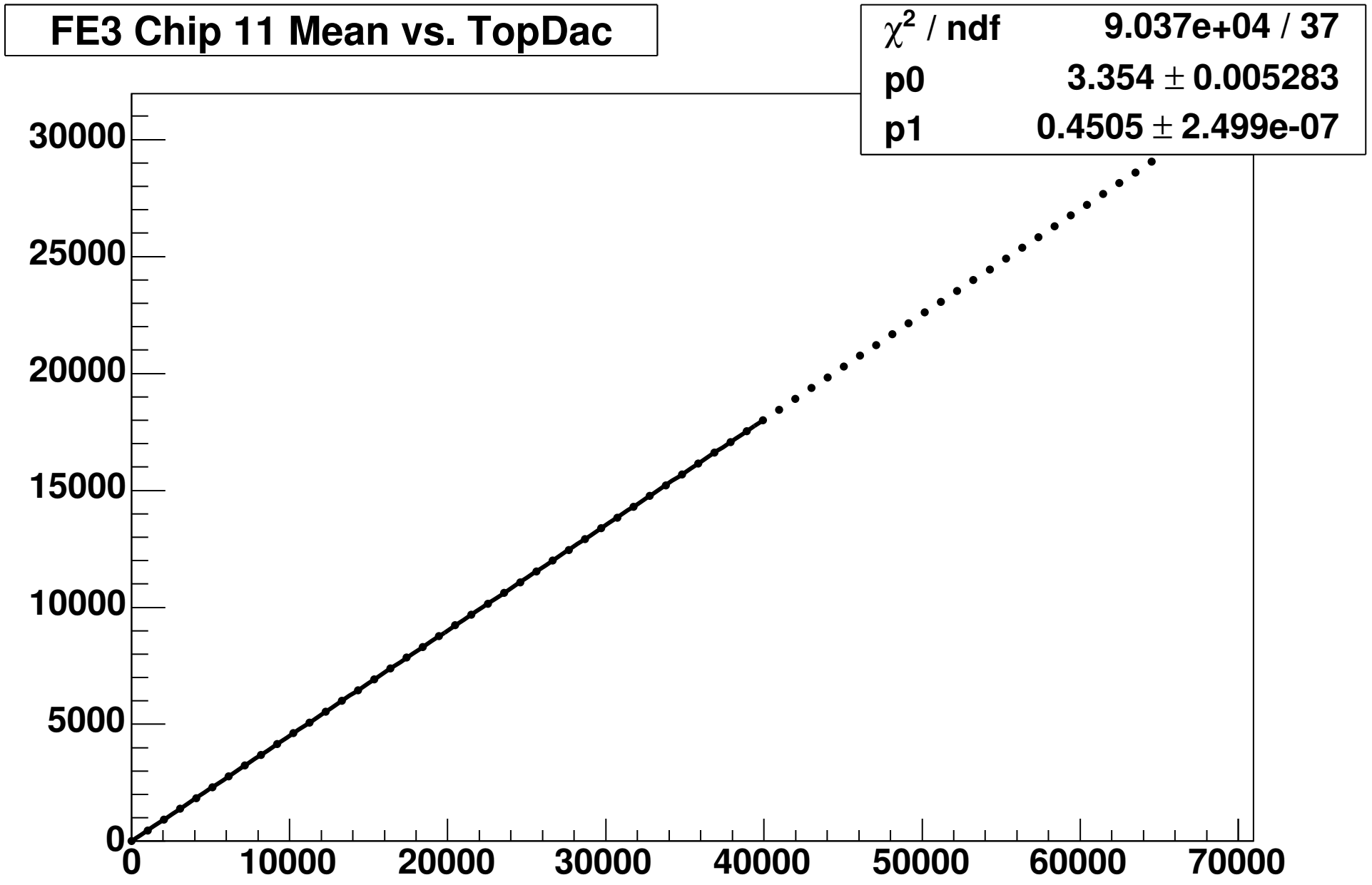
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 9.037e+04 / 37
p0 3.354 ± 0.005283
p1 0.4505 ± 2.499e-07
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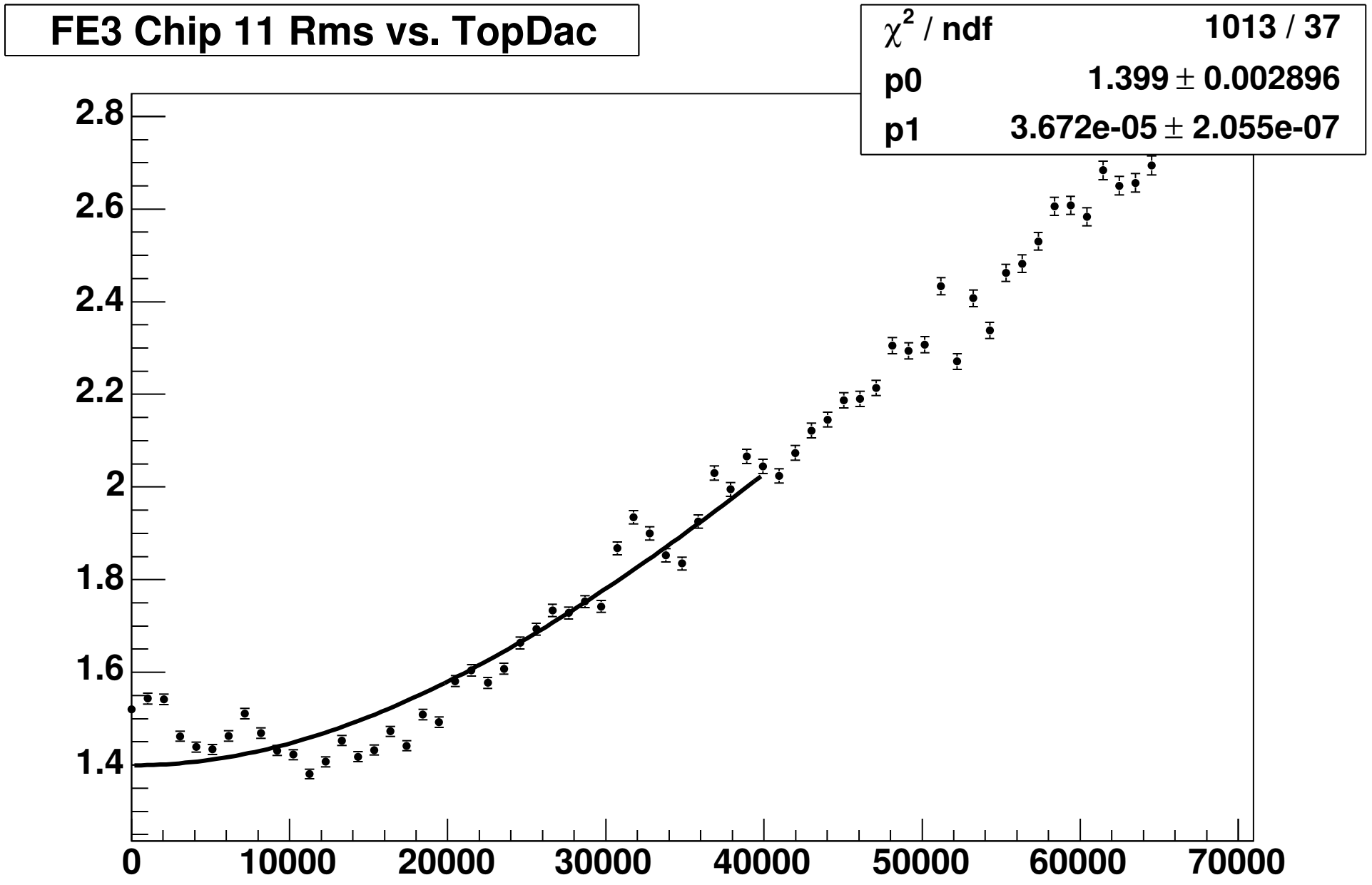
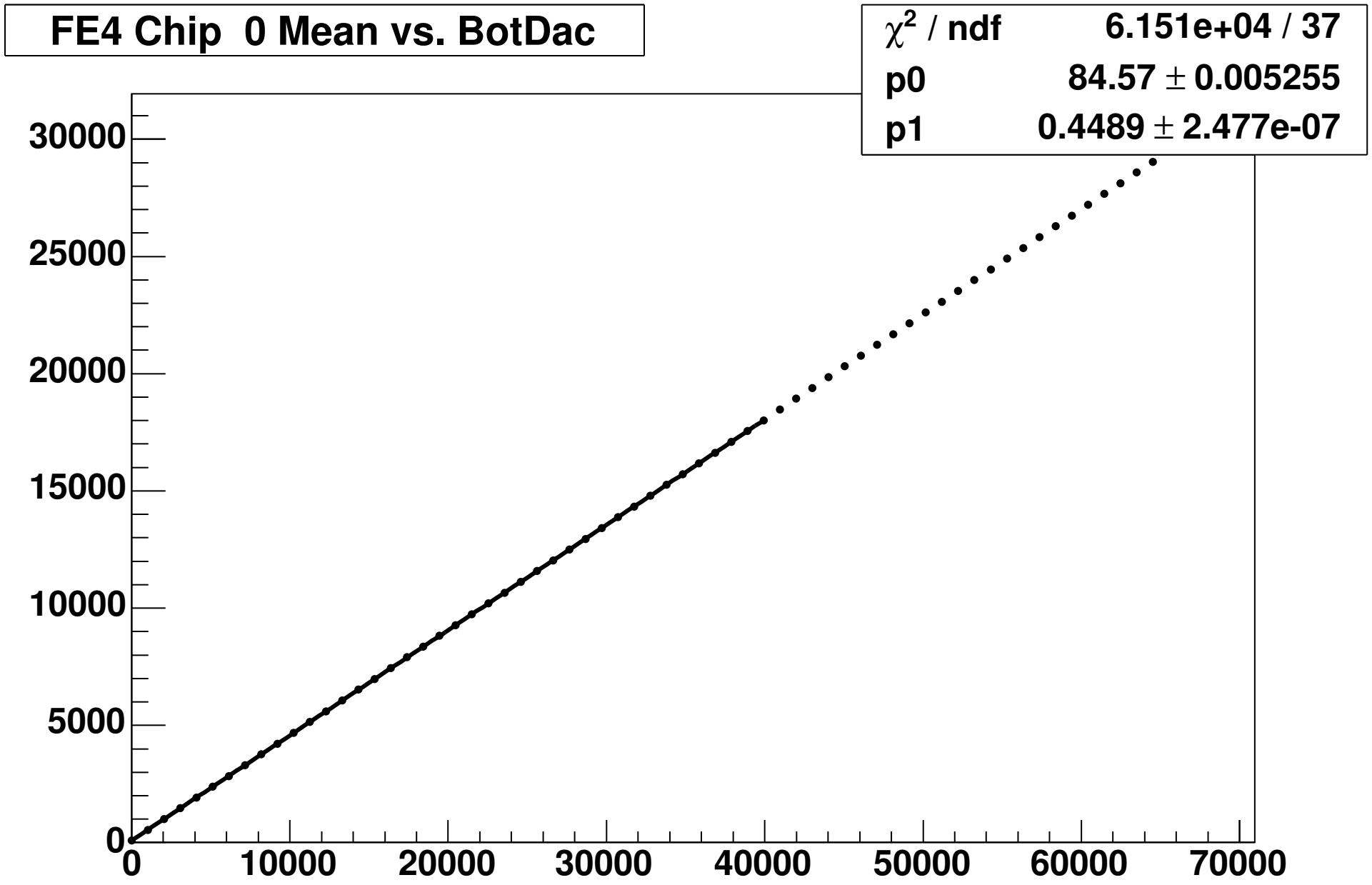
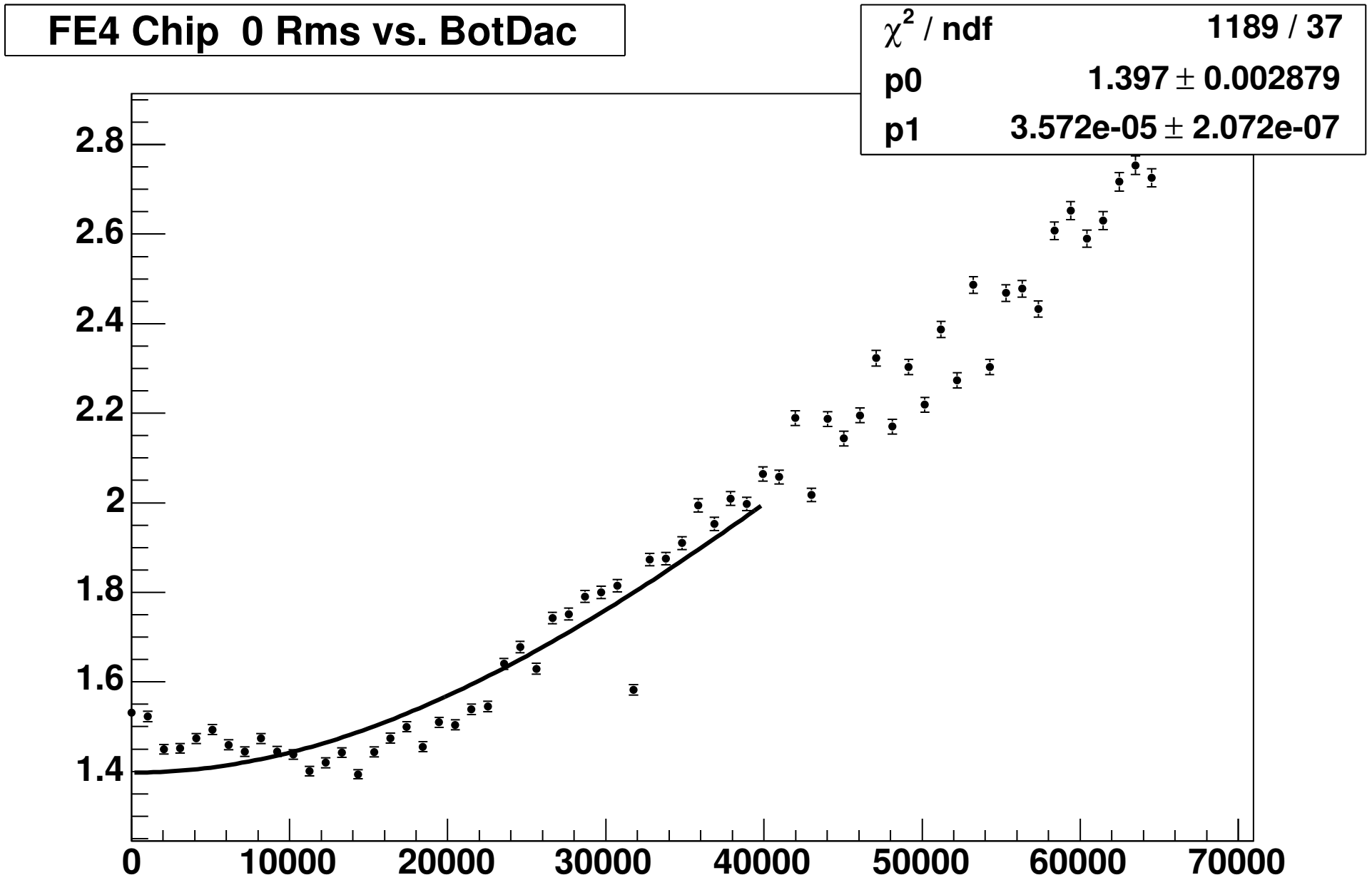
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1013 / 37
p0 1.399 ± 0.002896
p1 3.672e-05 ± 2.055e-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 6.151e+04 / 37
p0 84.57 ± 0.005255
p1 0.4489 ± 2.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1189 / 37
p0 1.397 ± 0.002879
p1 3.572e-05 ± 2.072e-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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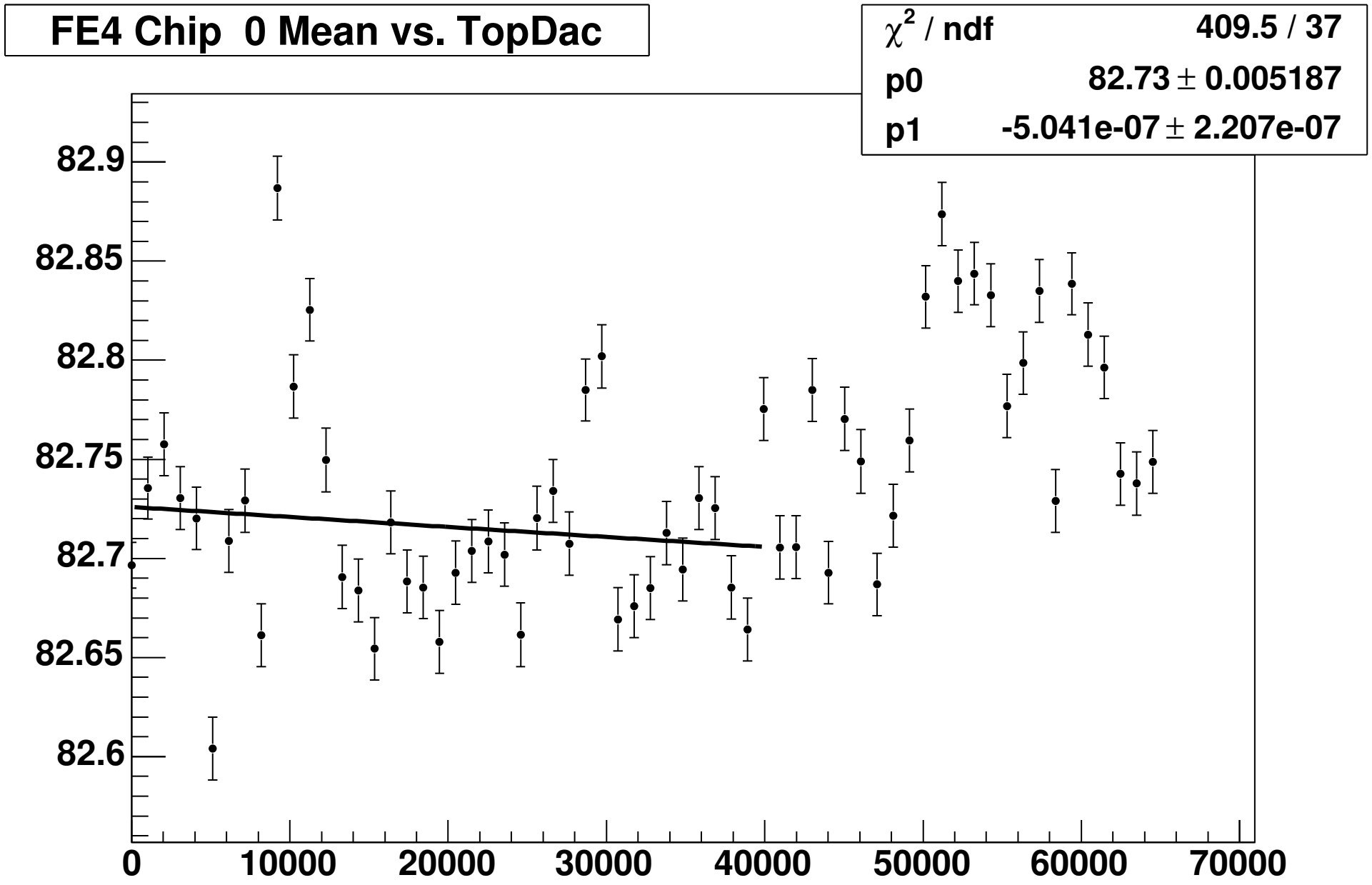
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 409.5 / 37
p0 82.73 ± 0.005187
p1 -5.041e-07 ± 2.207e-07
82.9
82.85
82.8
82.75
82.7
82.65
82.6
0
10000
20000
30000
40000
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60000
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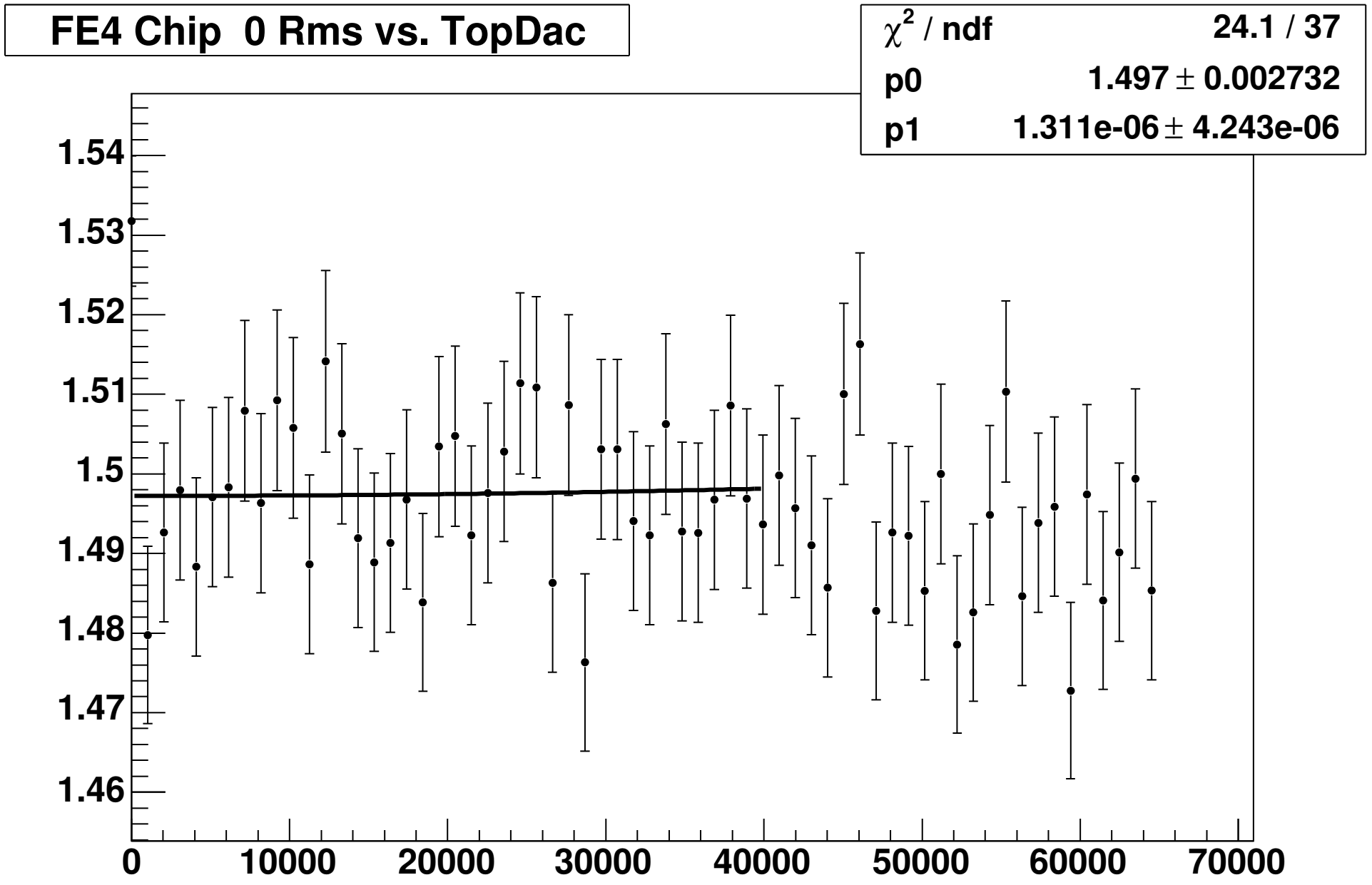
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 24.1 / 37
p0 1.497 ± 0.002732
p1 1.311e-06 ± 4.243e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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20000
30000
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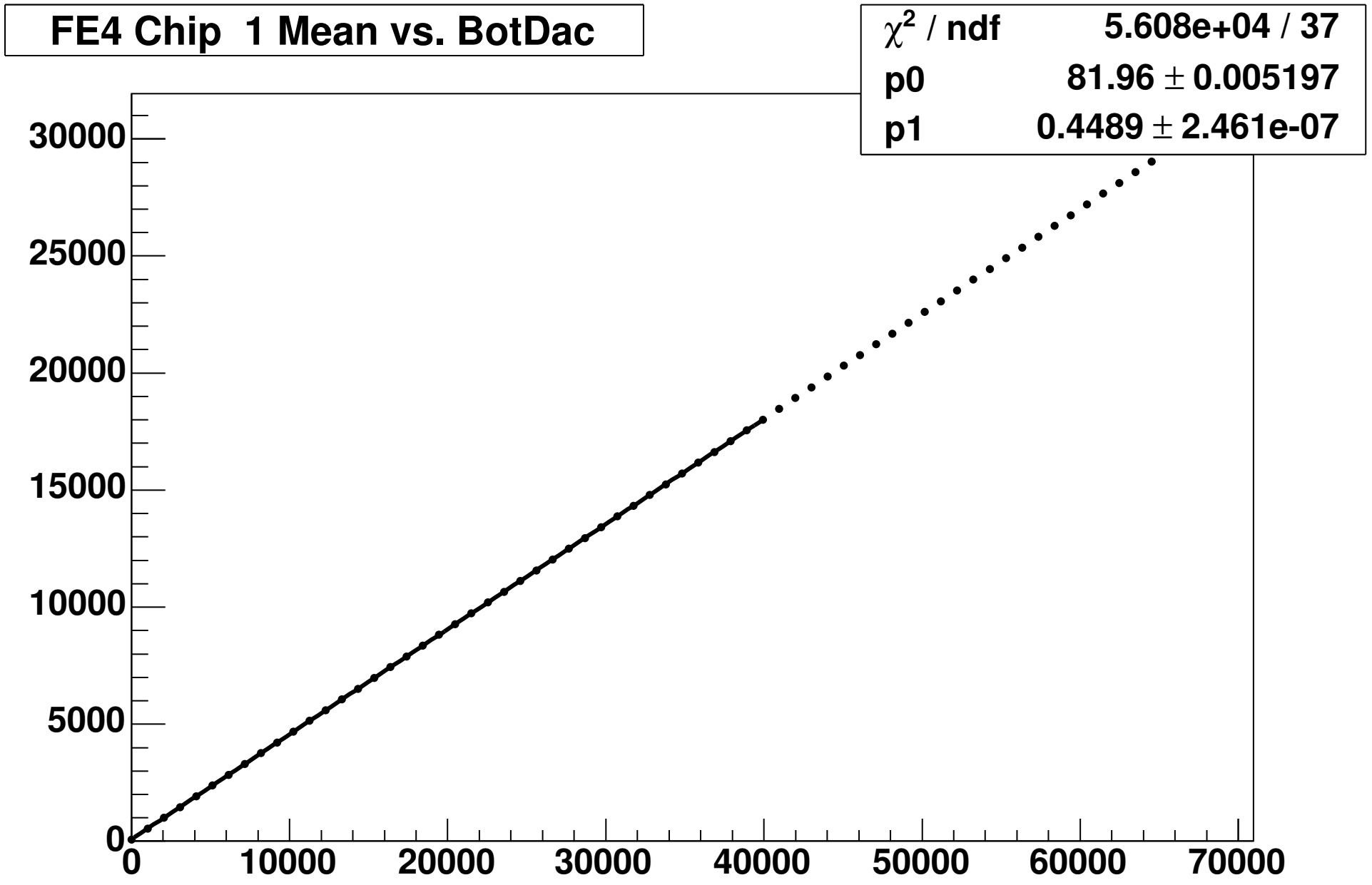
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 5.608e+04 / 37
p0 81.96 ± 0.005197
p1 0.4489 ± 2.461e-07
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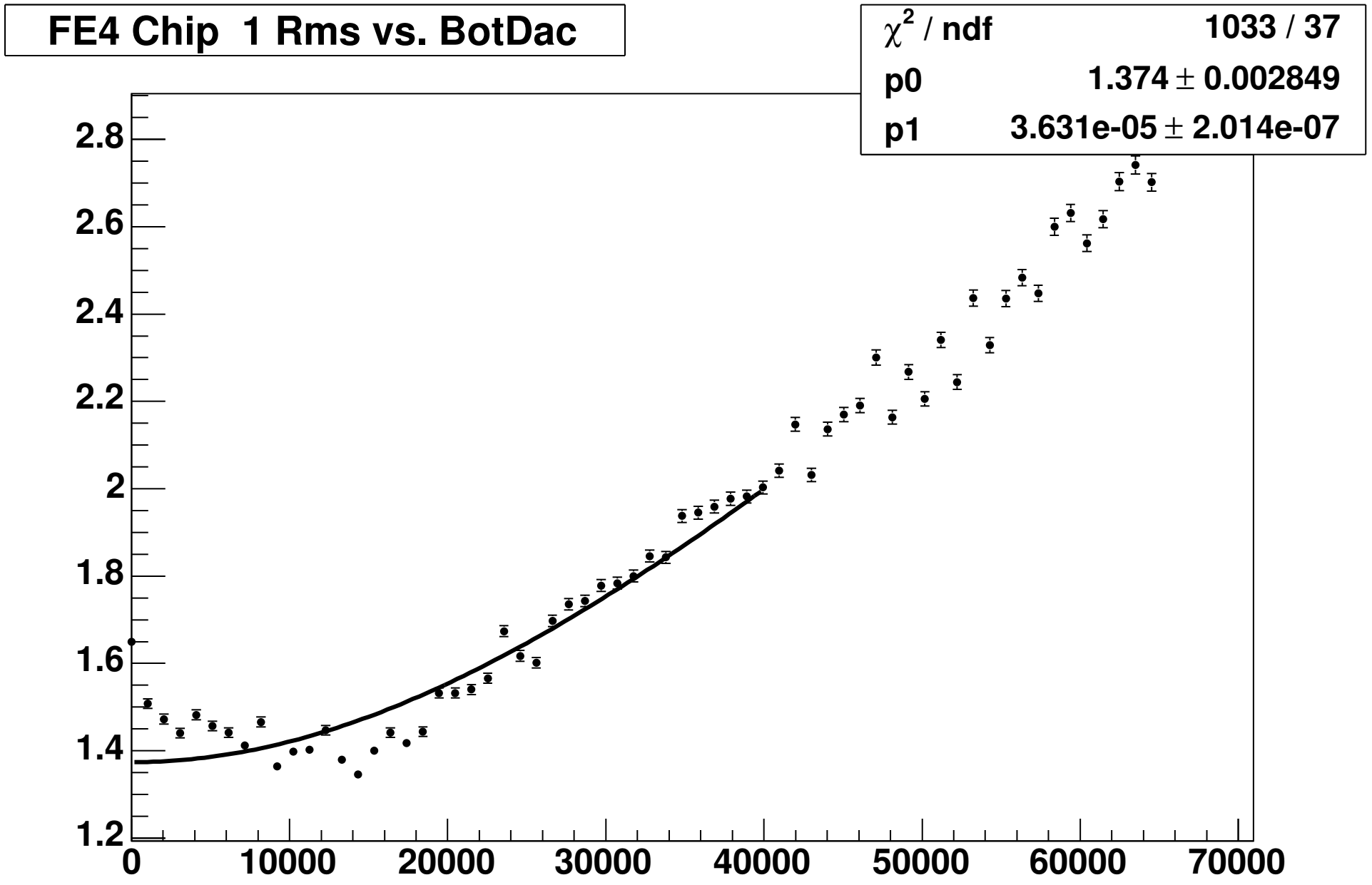
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 1033 / 37
p0 1.374 ± 0.002849
p1 3.631e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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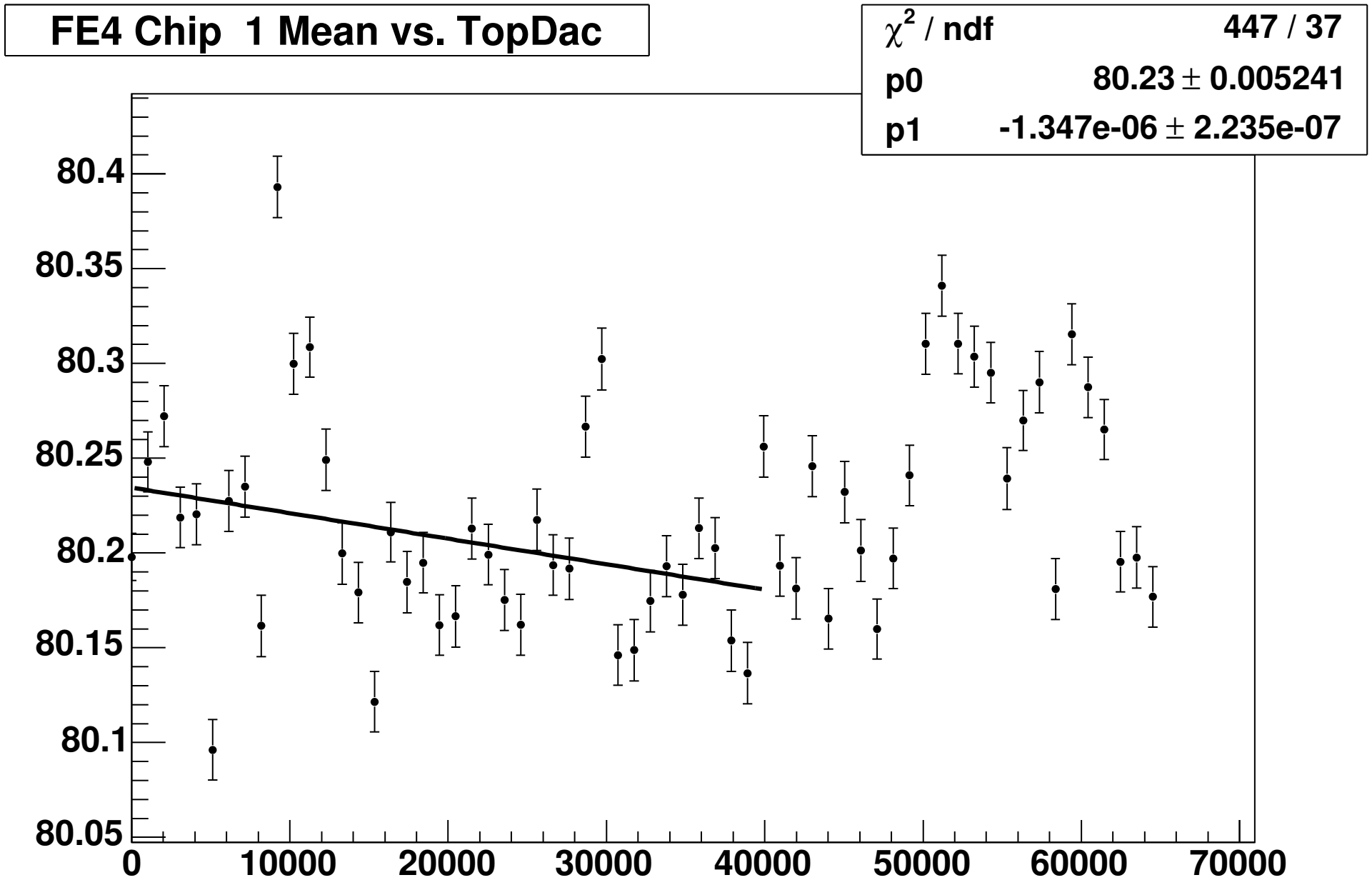
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 447 / 37
p0 80.23 ± 0.005241
p1 -1.347e-06 ± 2.235e-07
80.4
80.35
80.3
80.25
80.2
80.15
80.1
80.05
0
10000
20000
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50000
60000
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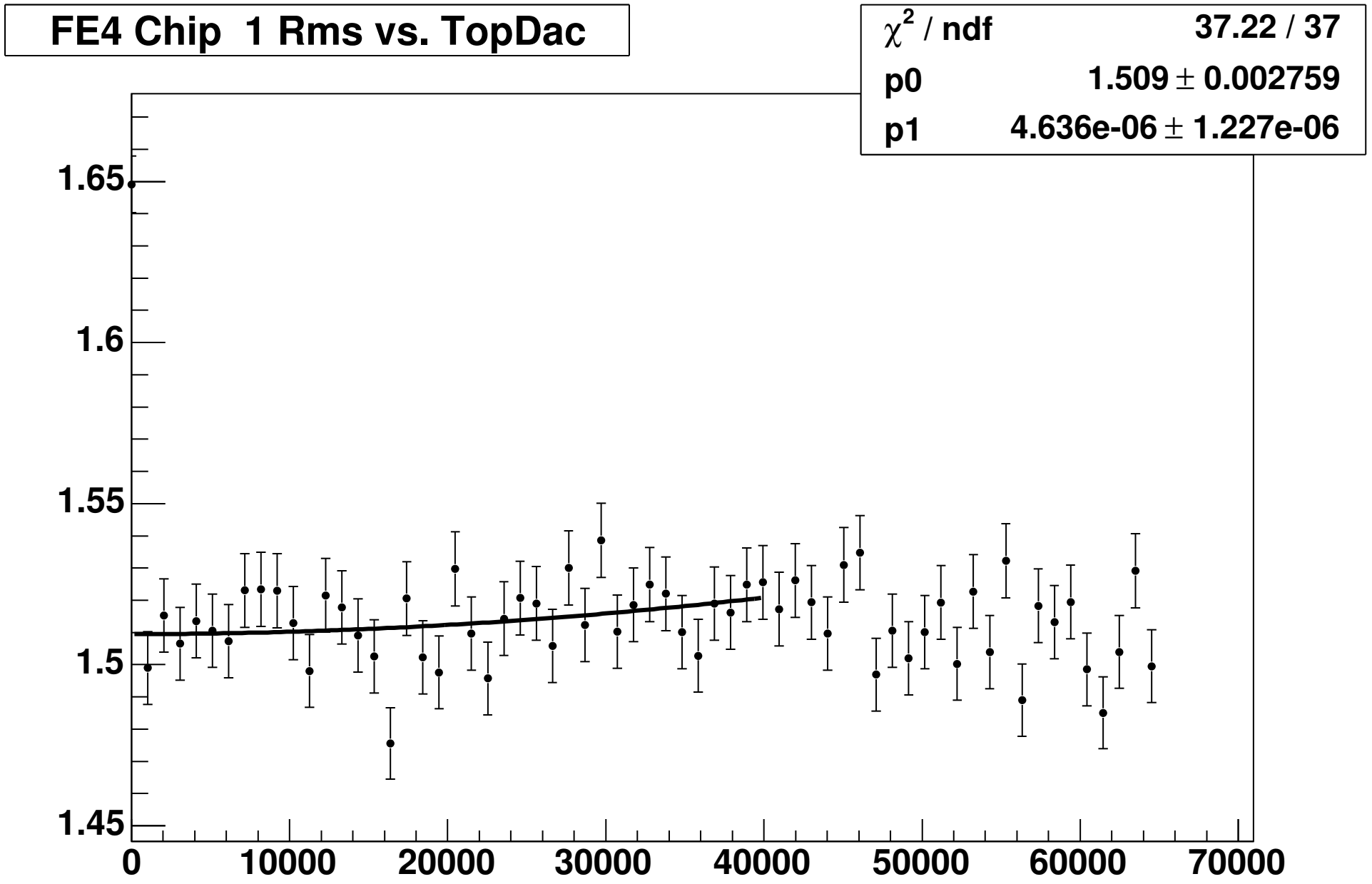
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 37.22 / 37
p0 1.509 ± 0.002759
p1 4.636e-06 ± 1.227e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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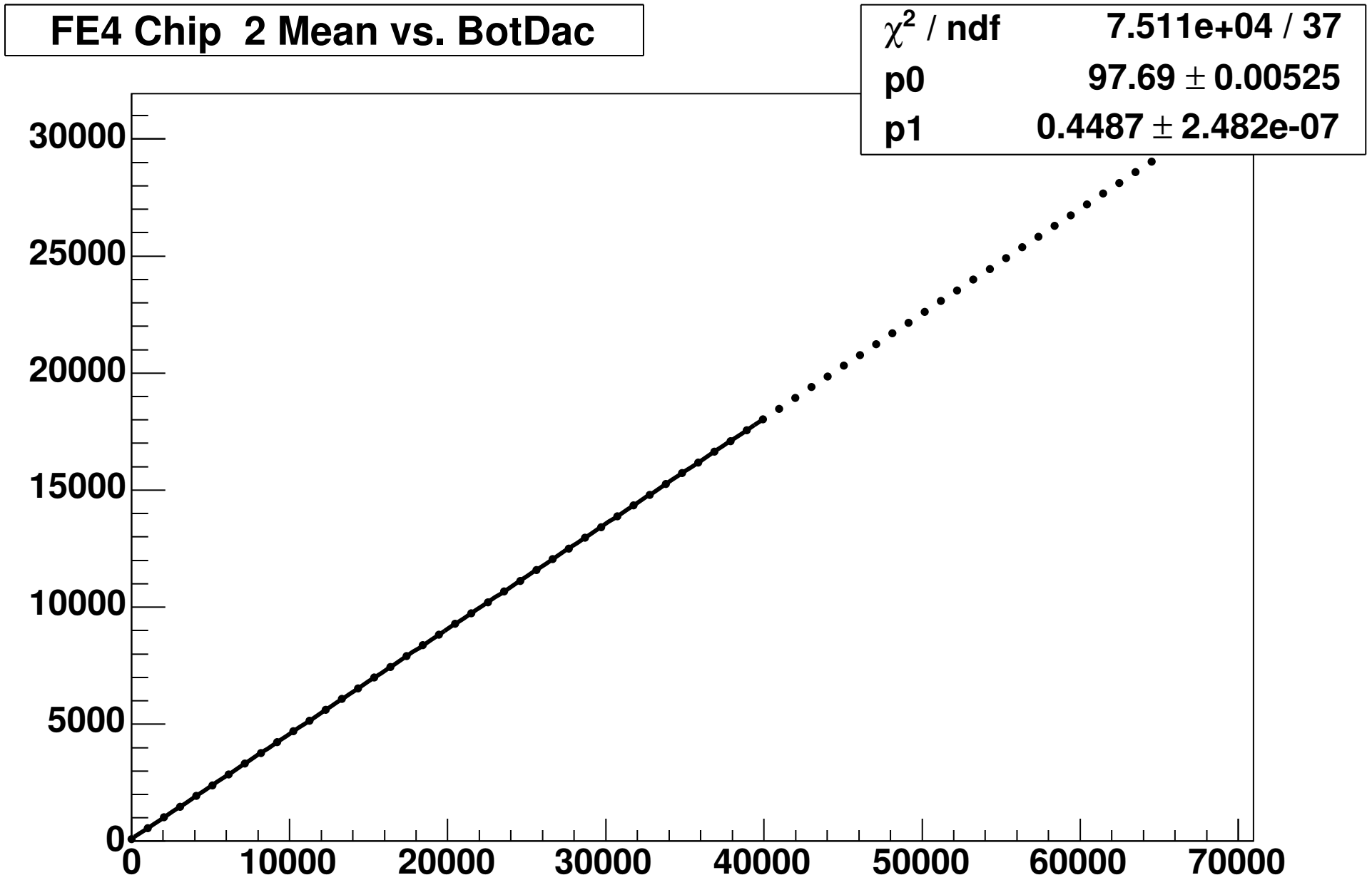
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 7.511e+04 / 37
p0 97.69 ± 0.00525
p1 0.4487 ± 2.482e-07
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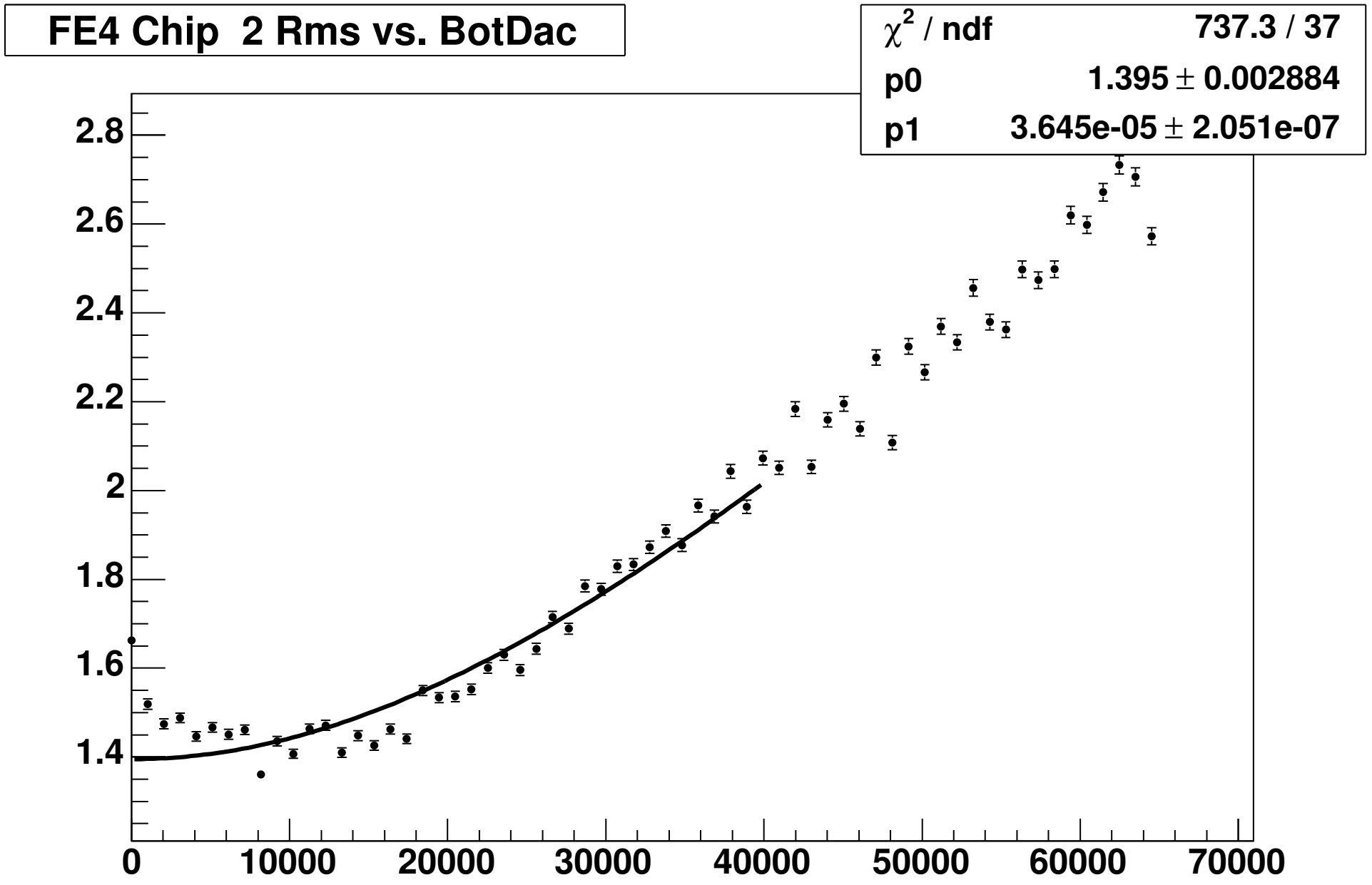
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 737.3 / 37
p0 1.395 ± 0.002884
p1 3.645e-05 ± 2.051e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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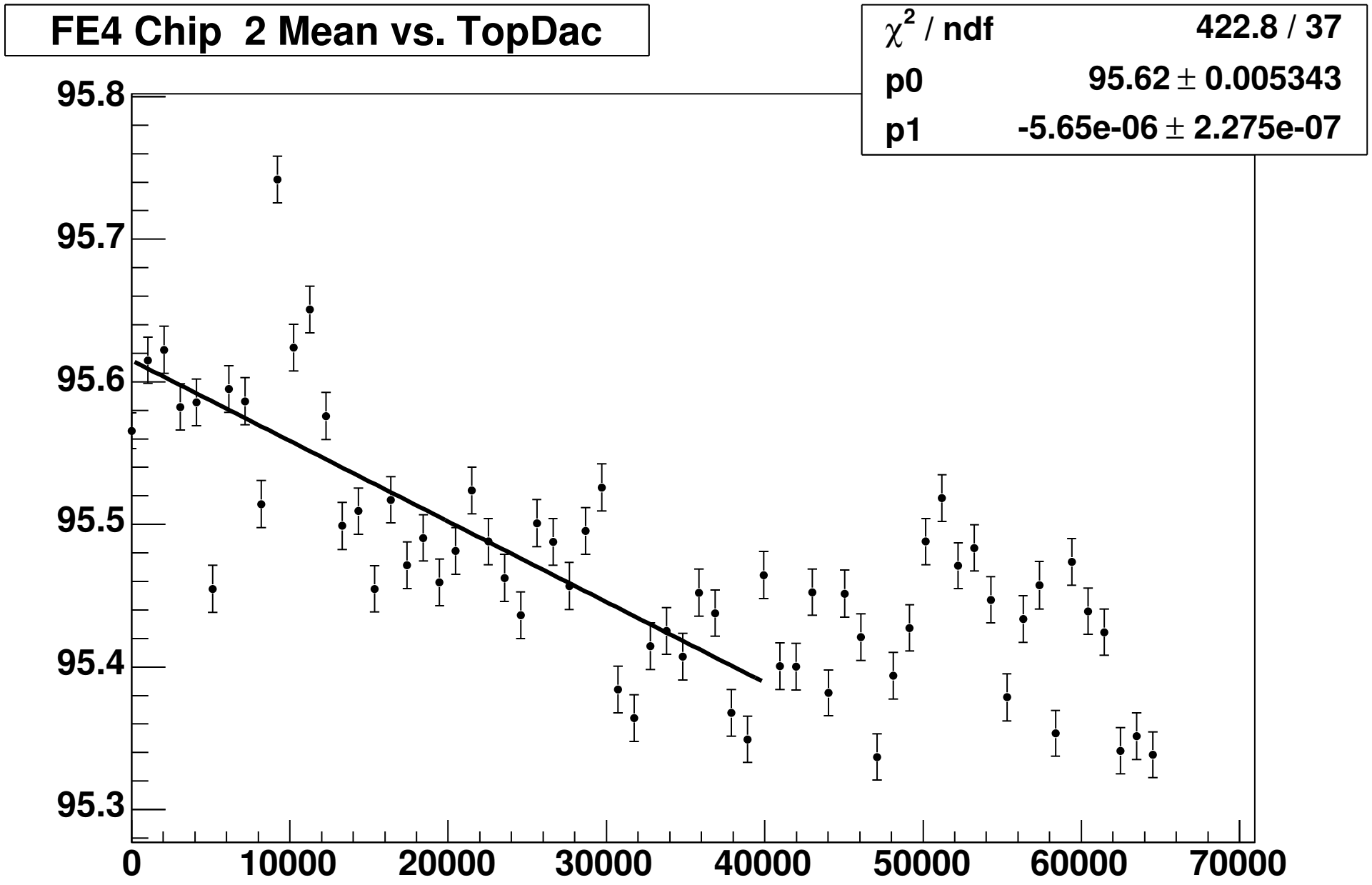
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 422.8 / 37
p0 95.62 ± 0.005343
p1 -5.65e-06 ± 2.275e-07
95.8
95.7
95.6
95.5
95.4
95.3
0
10000
20000
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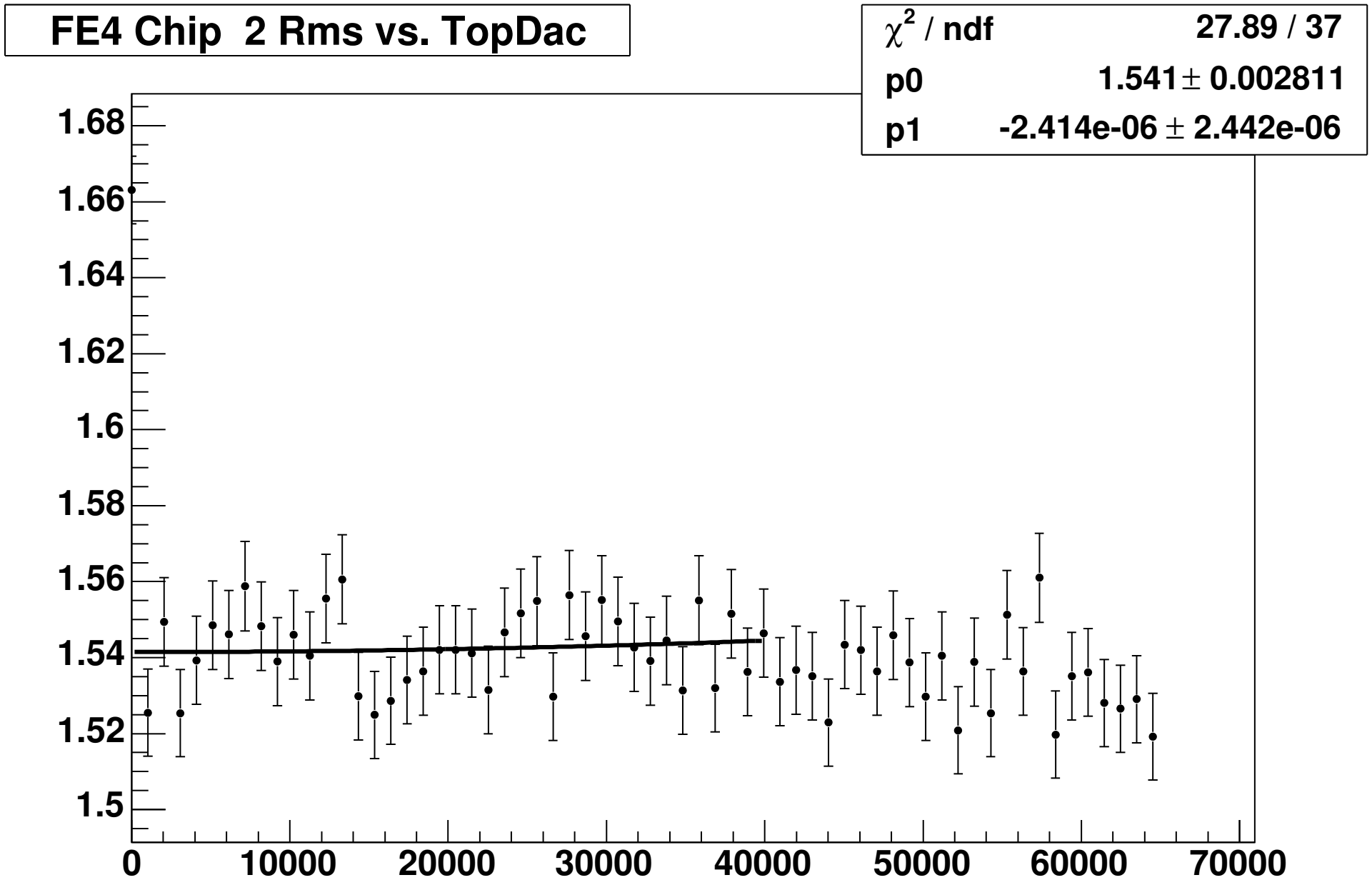
50000
60000
70000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 27.89 / 37
p0 1.541 ± 0.002811
p1 -2.414e-06 ± 2.442e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
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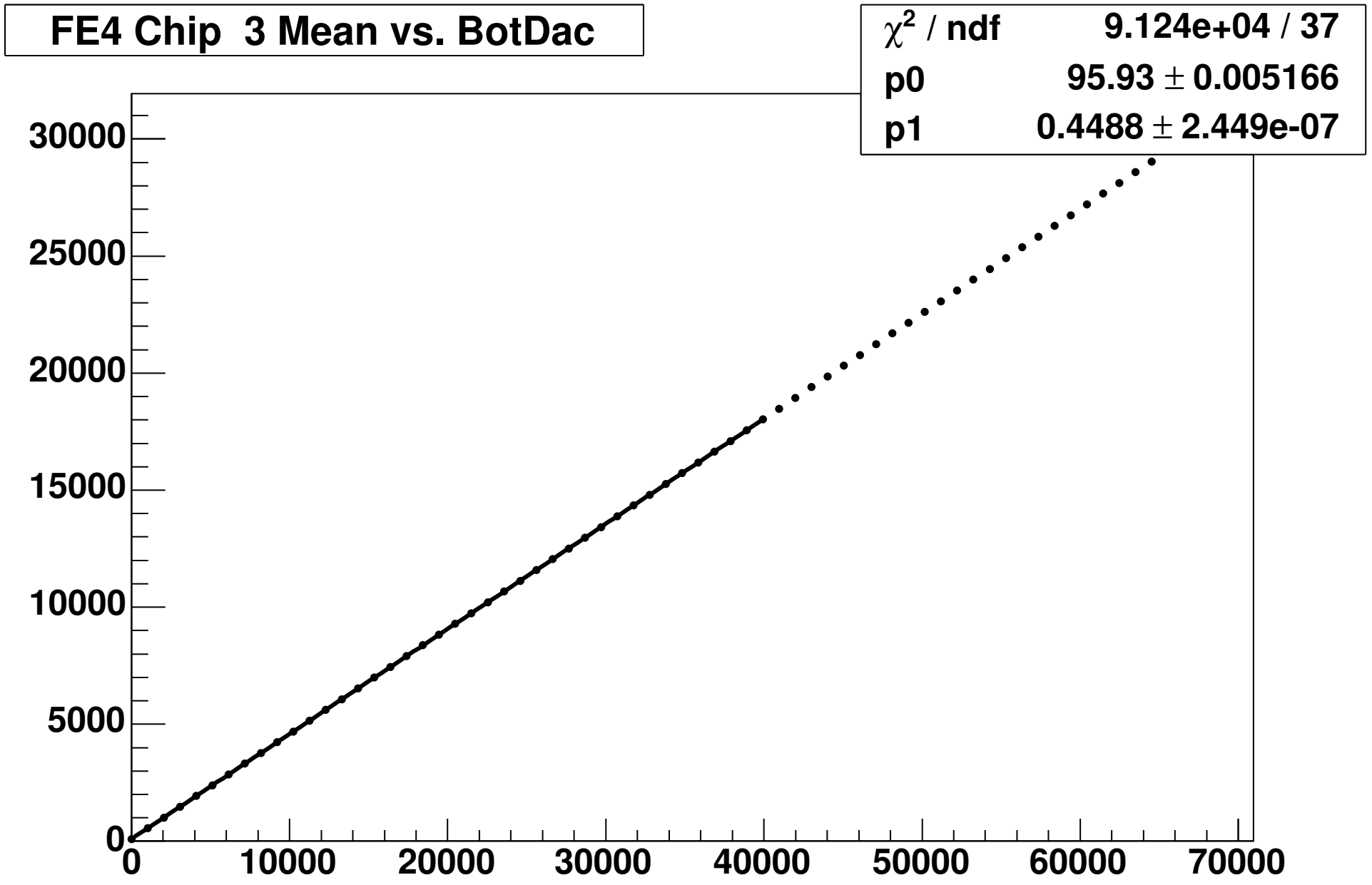
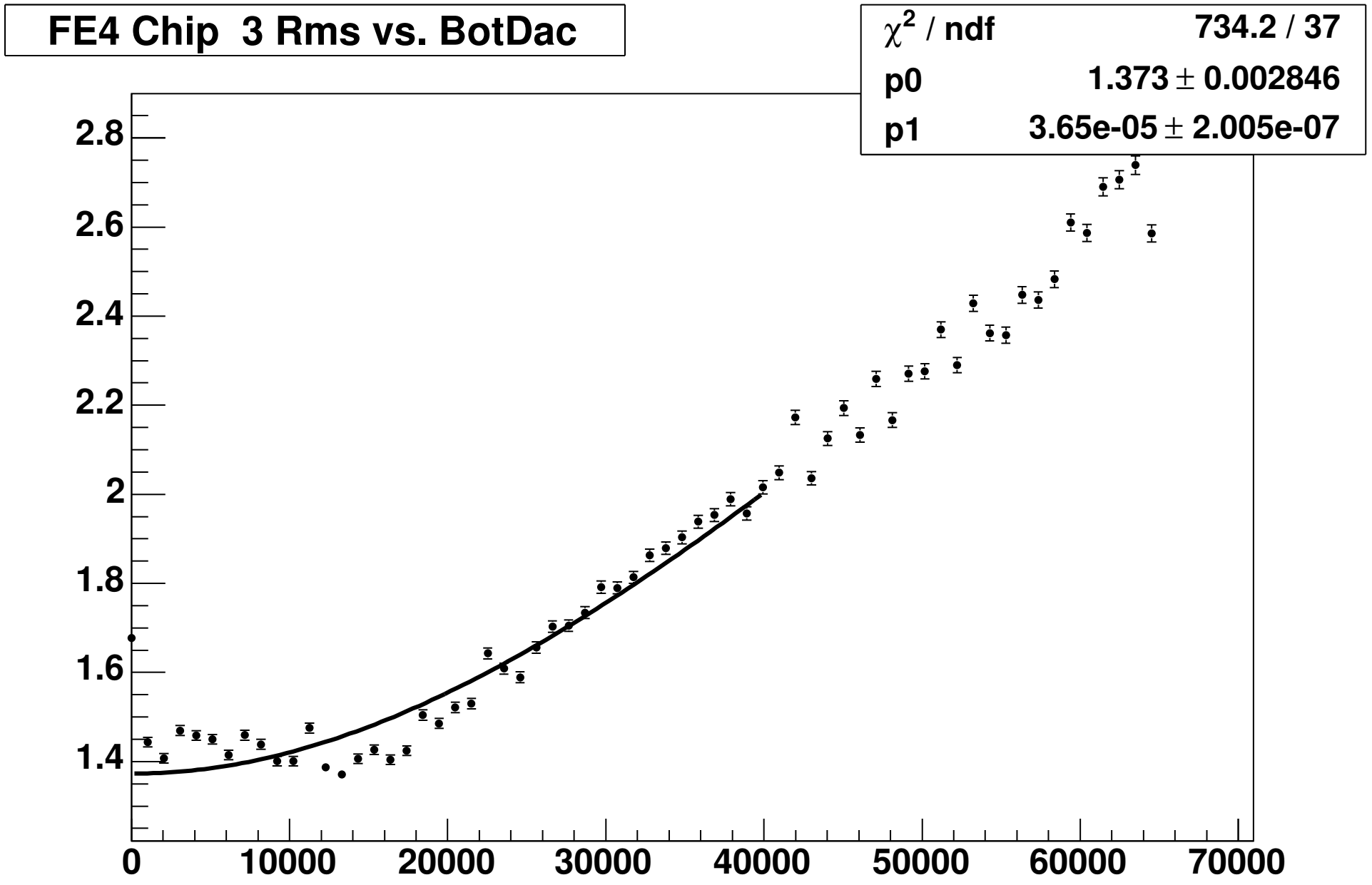
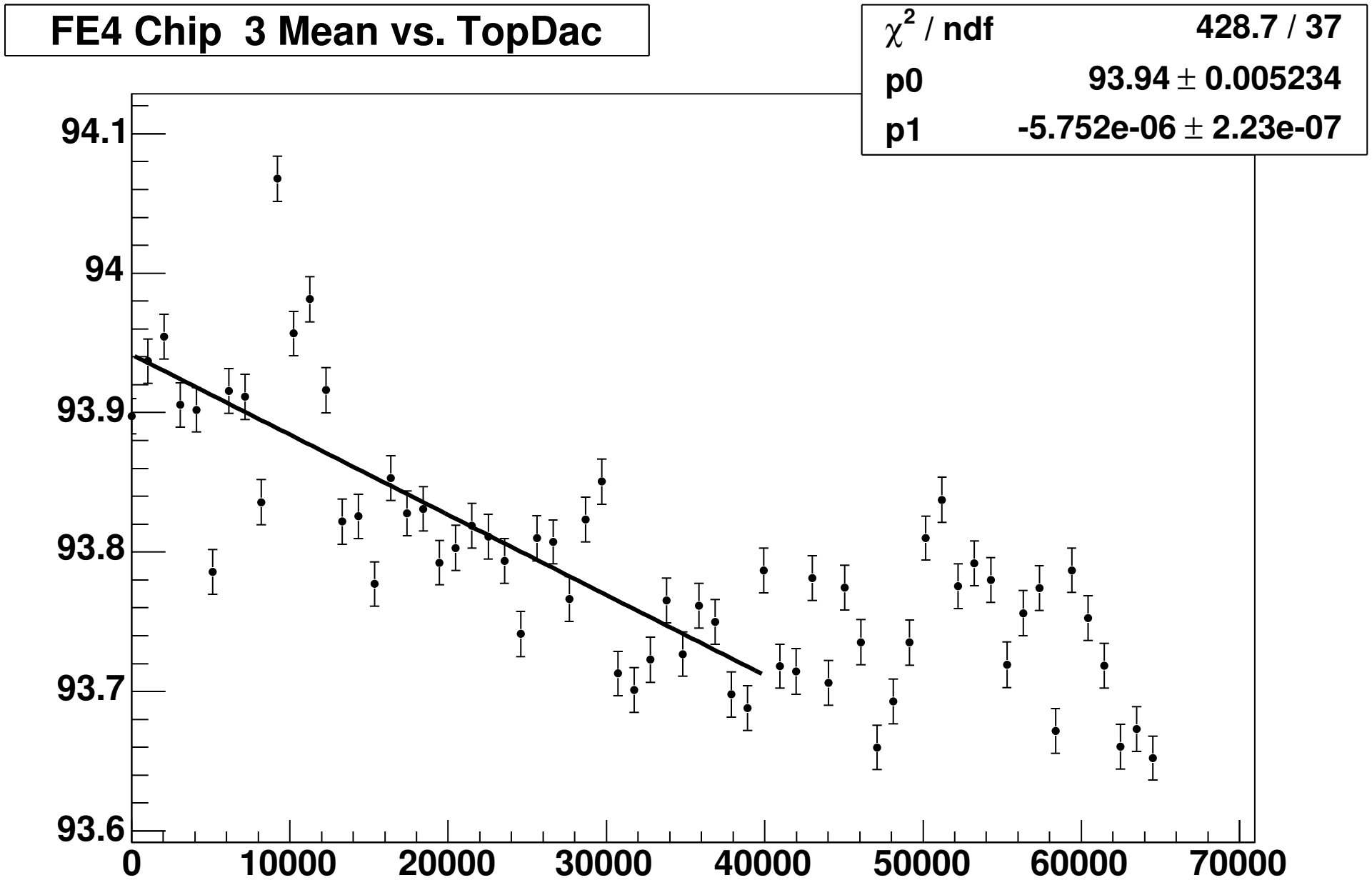
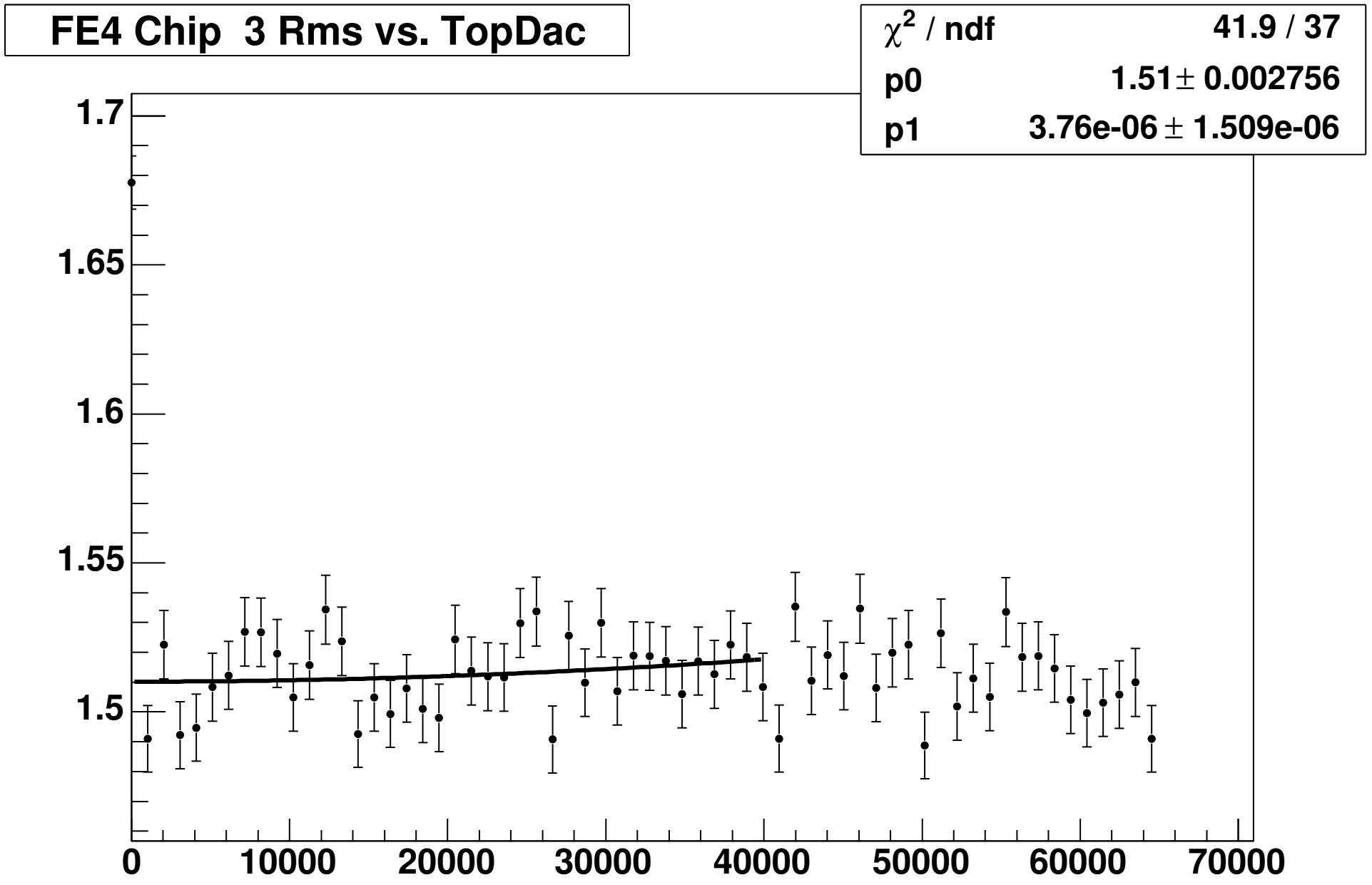
60000
70000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 9.124e+04 / 37
p0 95.93 ± 0.005166
p1 0.4488 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 734.2 / 37
p0 1.373 ± 0.002846
p1 3.65e-05 ± 2.005e-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 3 Mean vs. TopDac
χ² / ndf 428.7 / 37
p0 93.94 ± 0.005234
p1 -5.752e-06 ± 2.23e-07
94.1
94
93.9
93.8
93.7
93.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 41.9 / 37
p0 1.51 ± 0.002756
p1 3.76e-06 ± 1.509e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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60000
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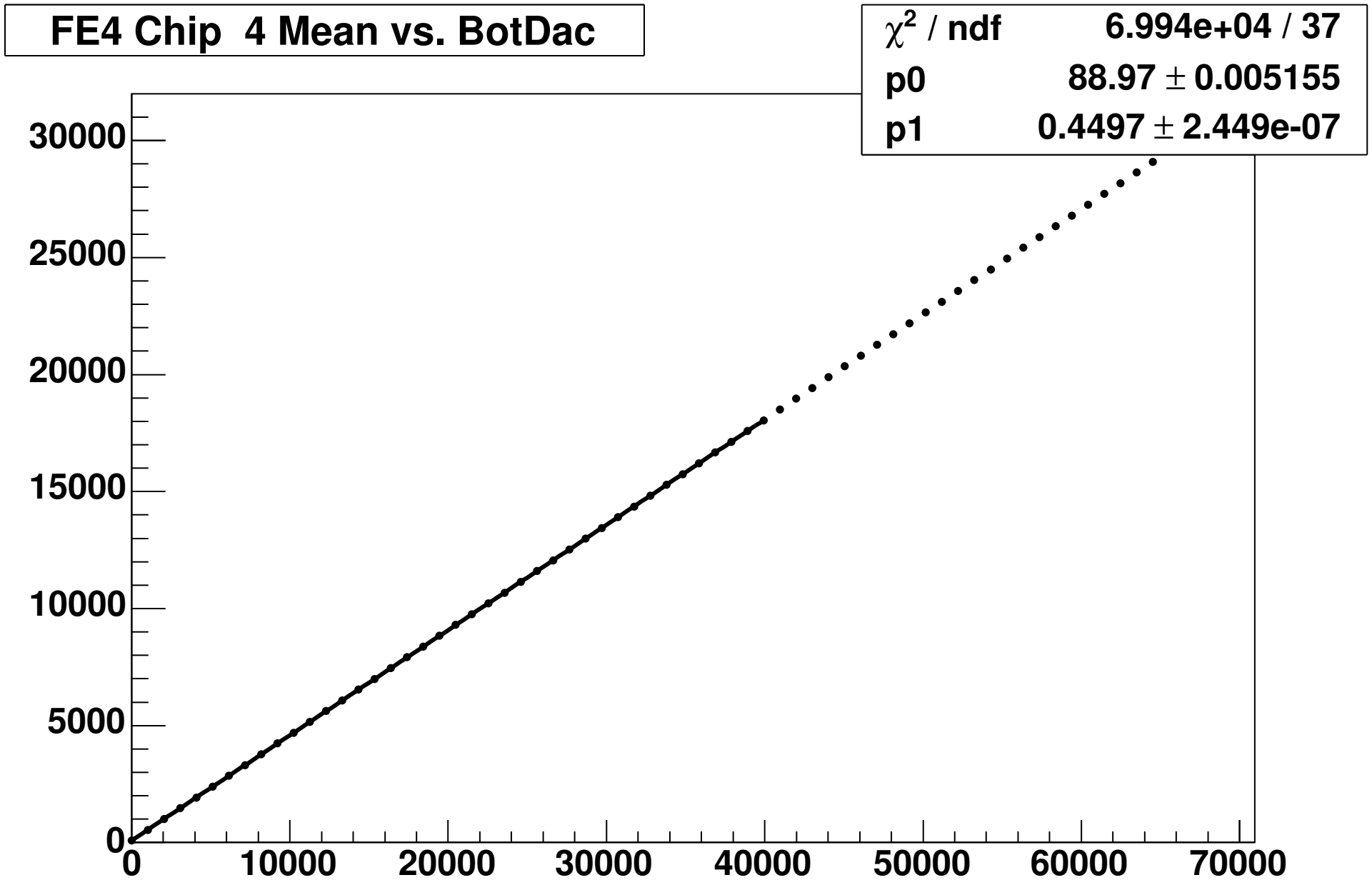
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 6.994e+04 / 37
p0 88.97 ± 0.005155
p1 0.4497 ± 2.449e-07
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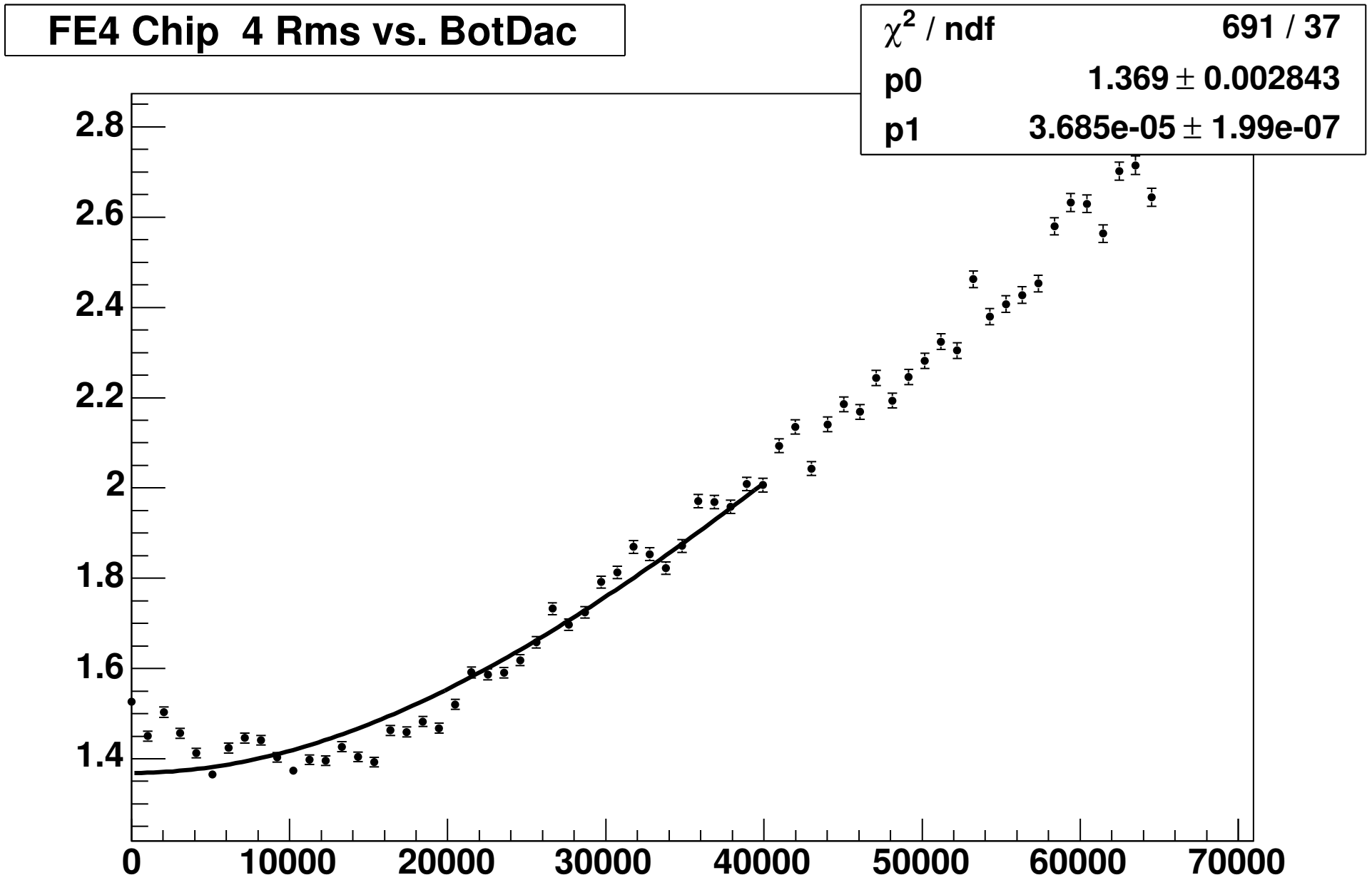
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 691 / 37
p0 1.369 ± 0.002843
p1 3.685e-05 ± 1.99e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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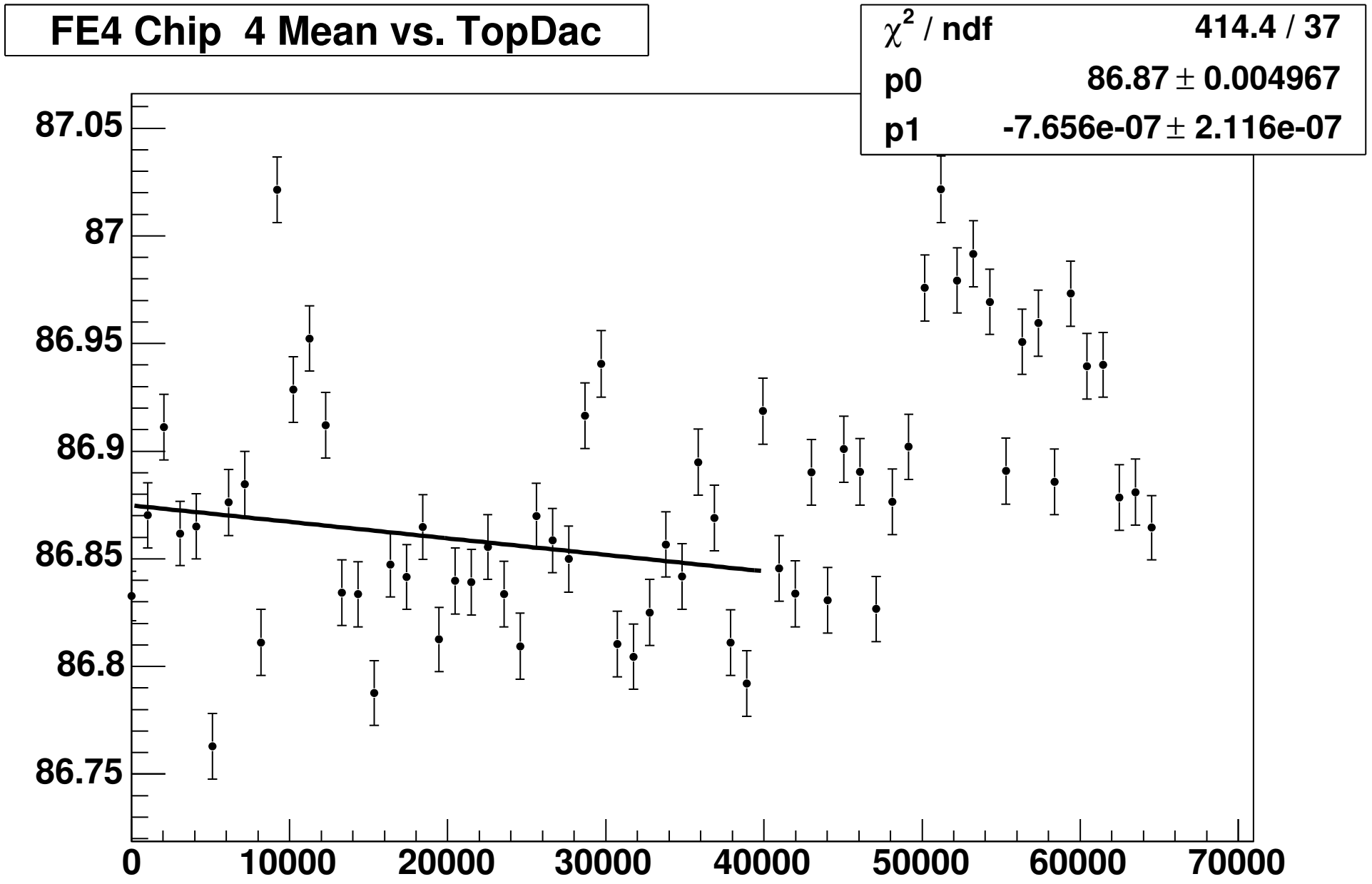
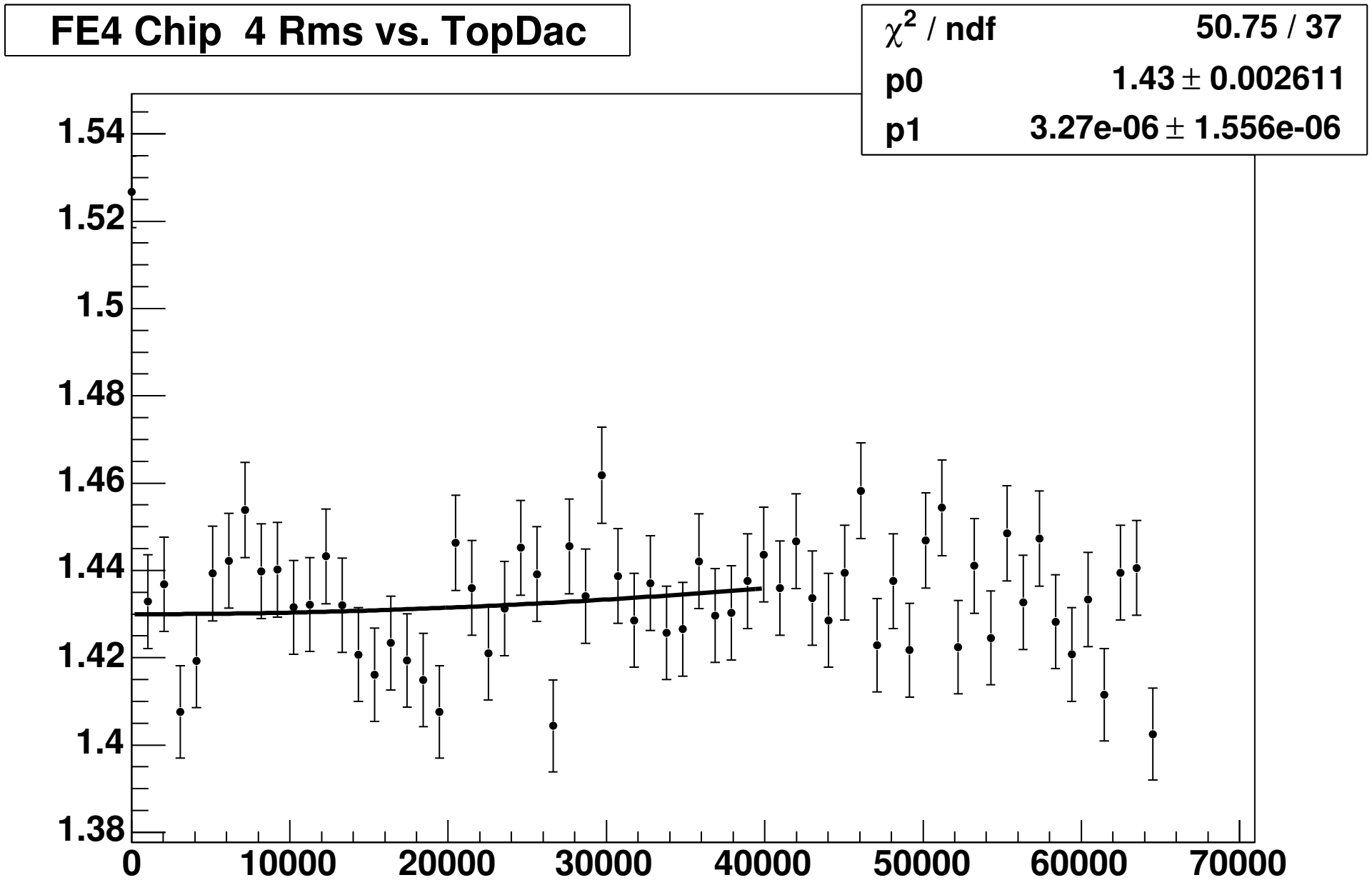
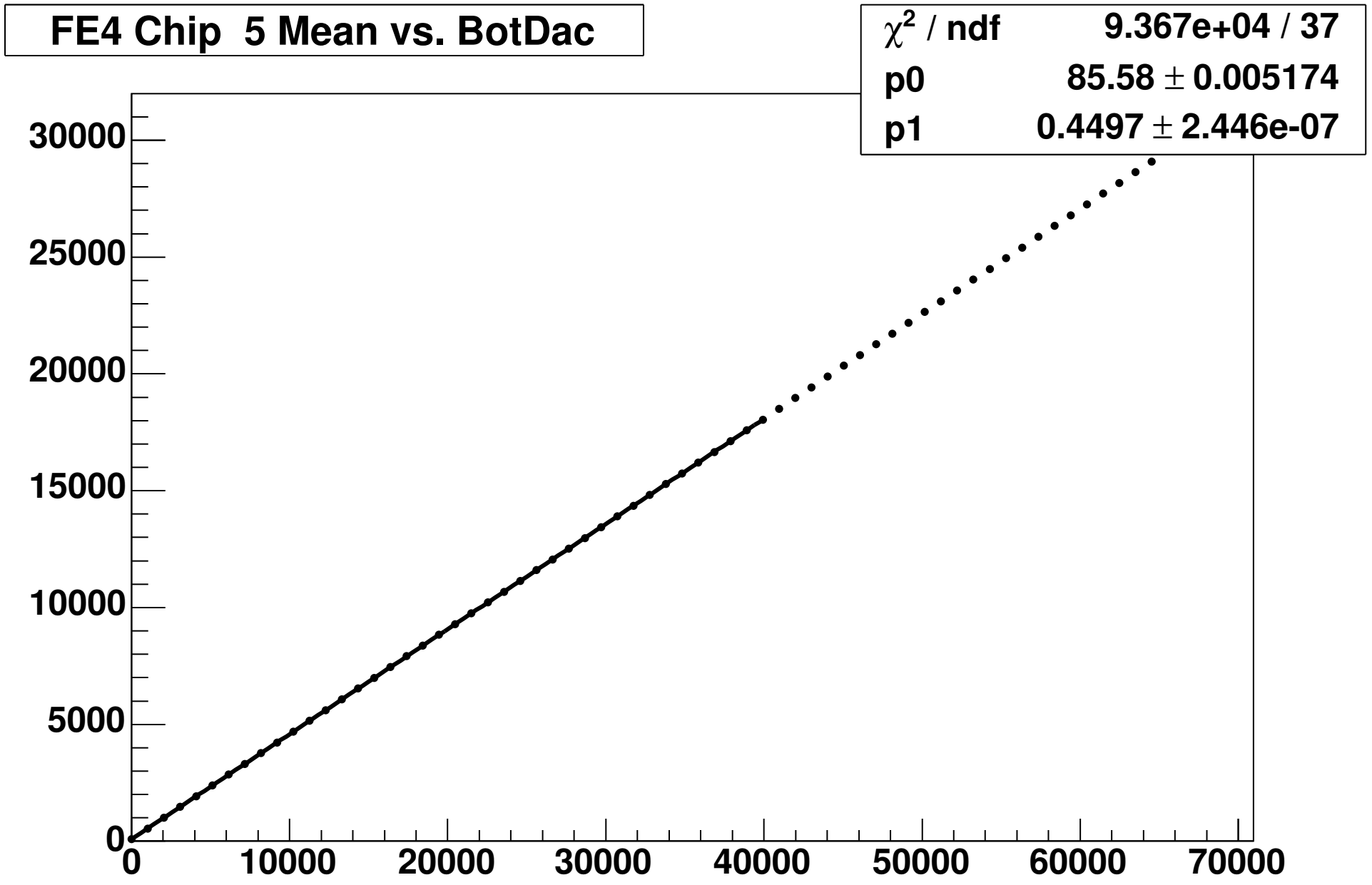
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 414.4 / 37
p0 86.87 ± 0.004967
p1 -7.656e-07 ± 2.116e-07
87.05
87
86.95
86.9
86.85
86.8
86.75
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 50.75 / 37
p0 1.43 ± 0.002611
p1 3.27e-06 ± 1.556e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 9.367e+04 / 37
p0 85.58 ± 0.005174
p1 0.4497 ± 2.446e-07
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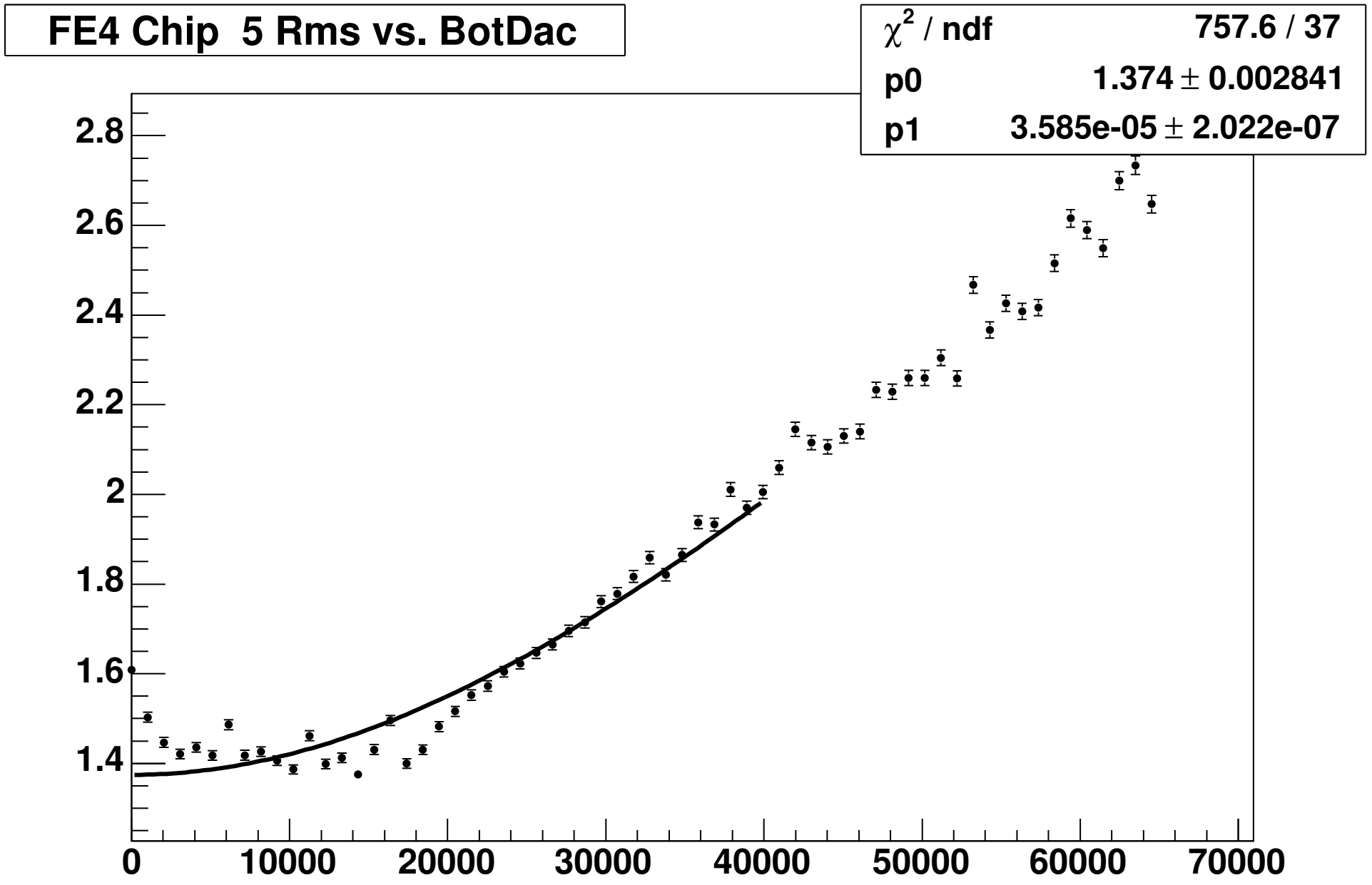
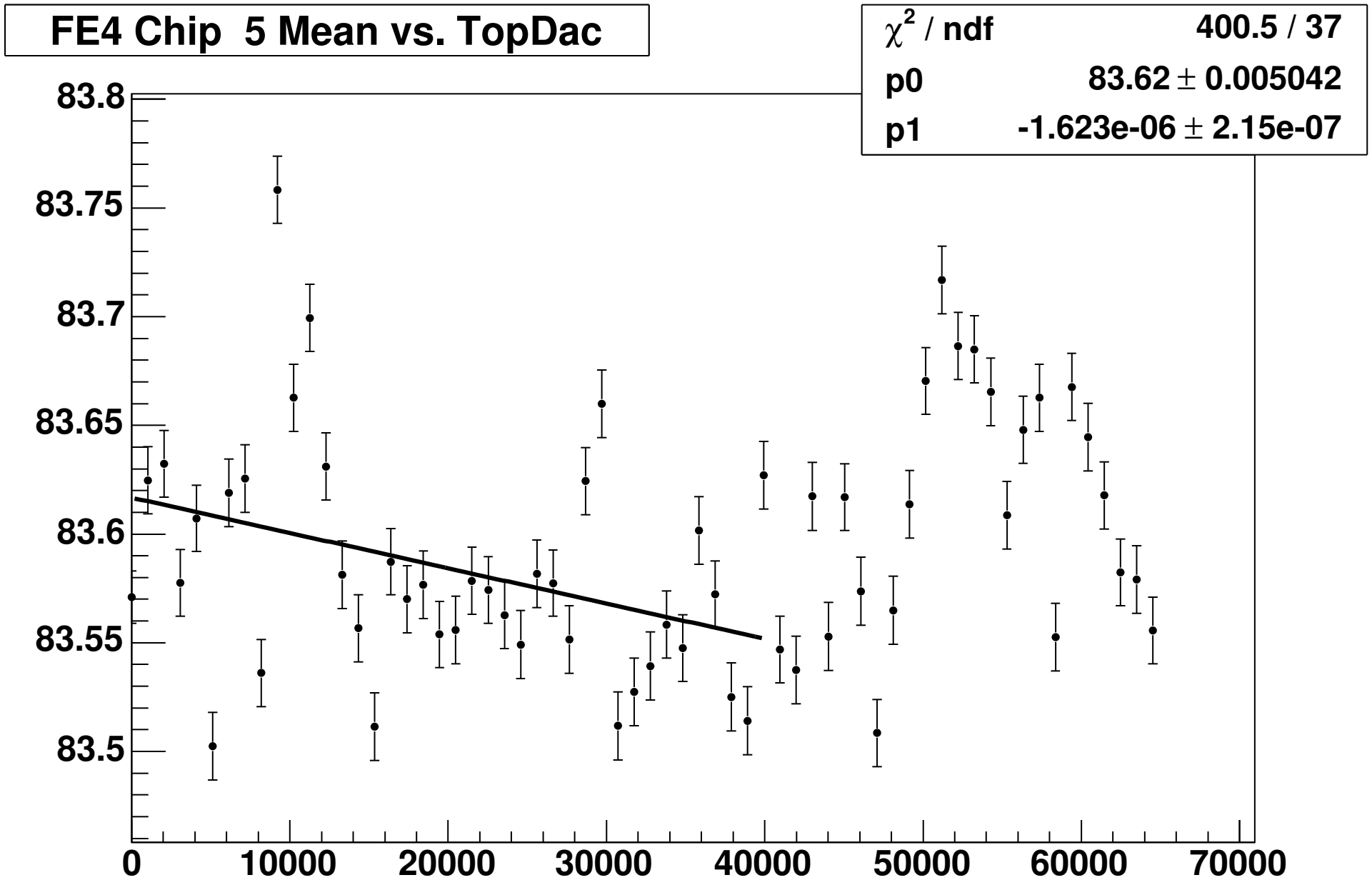
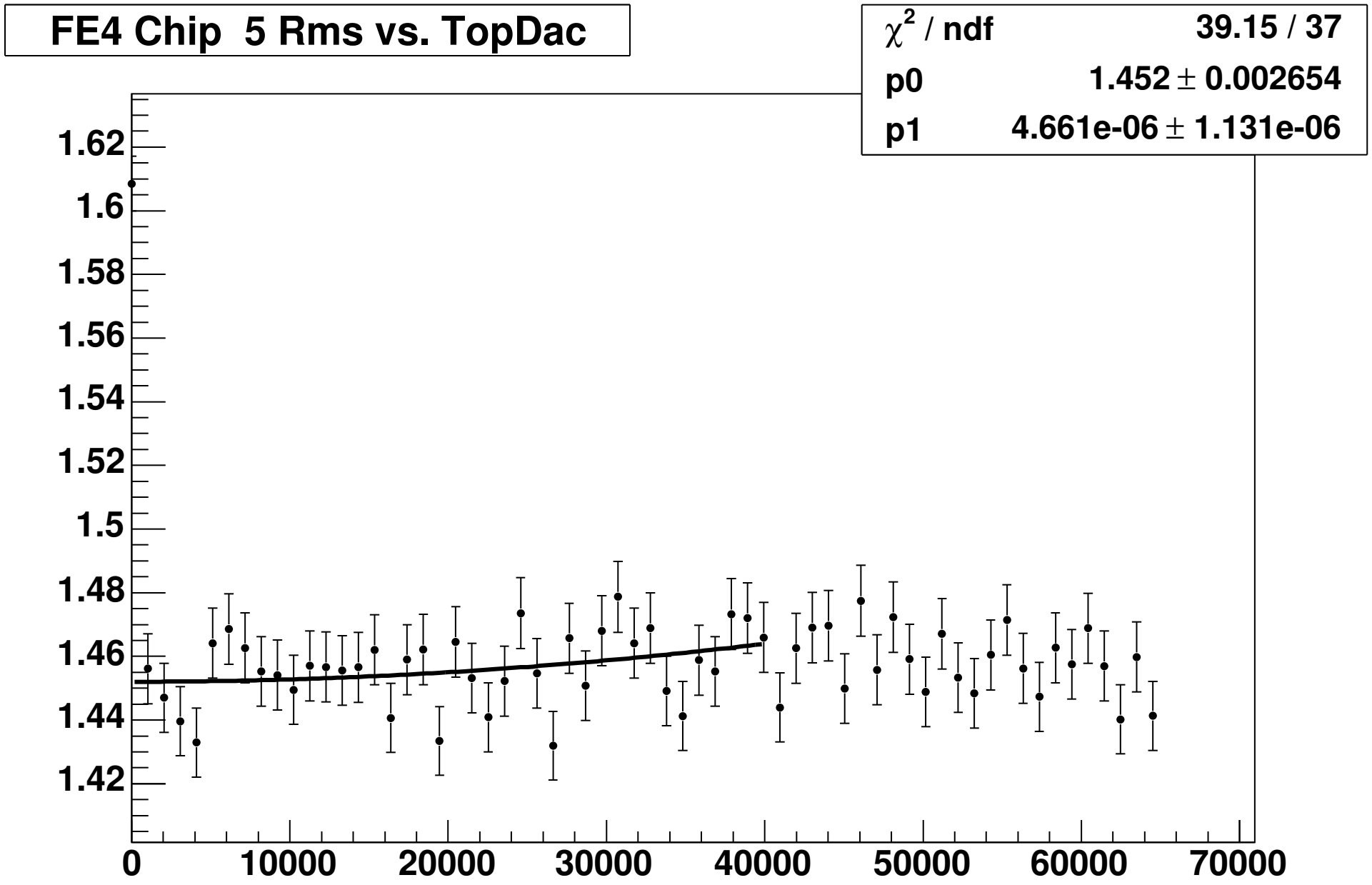
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 757.6 / 37
p0 1.374 ± 0.002841
p1 3.585e-05 ± 2.022e-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 5 Mean vs. TopDac
χ² / ndf 400.5 / 37
p0 83.62 ± 0.005042
p1 -1.623e-06 ± 2.15e-07
83.8
83.75
83.7
83.65
83.6
83.55
83.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 39.15 / 37
p0 1.452 ± 0.002654
p1 4.661e-06 ± 1.131e-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
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50000
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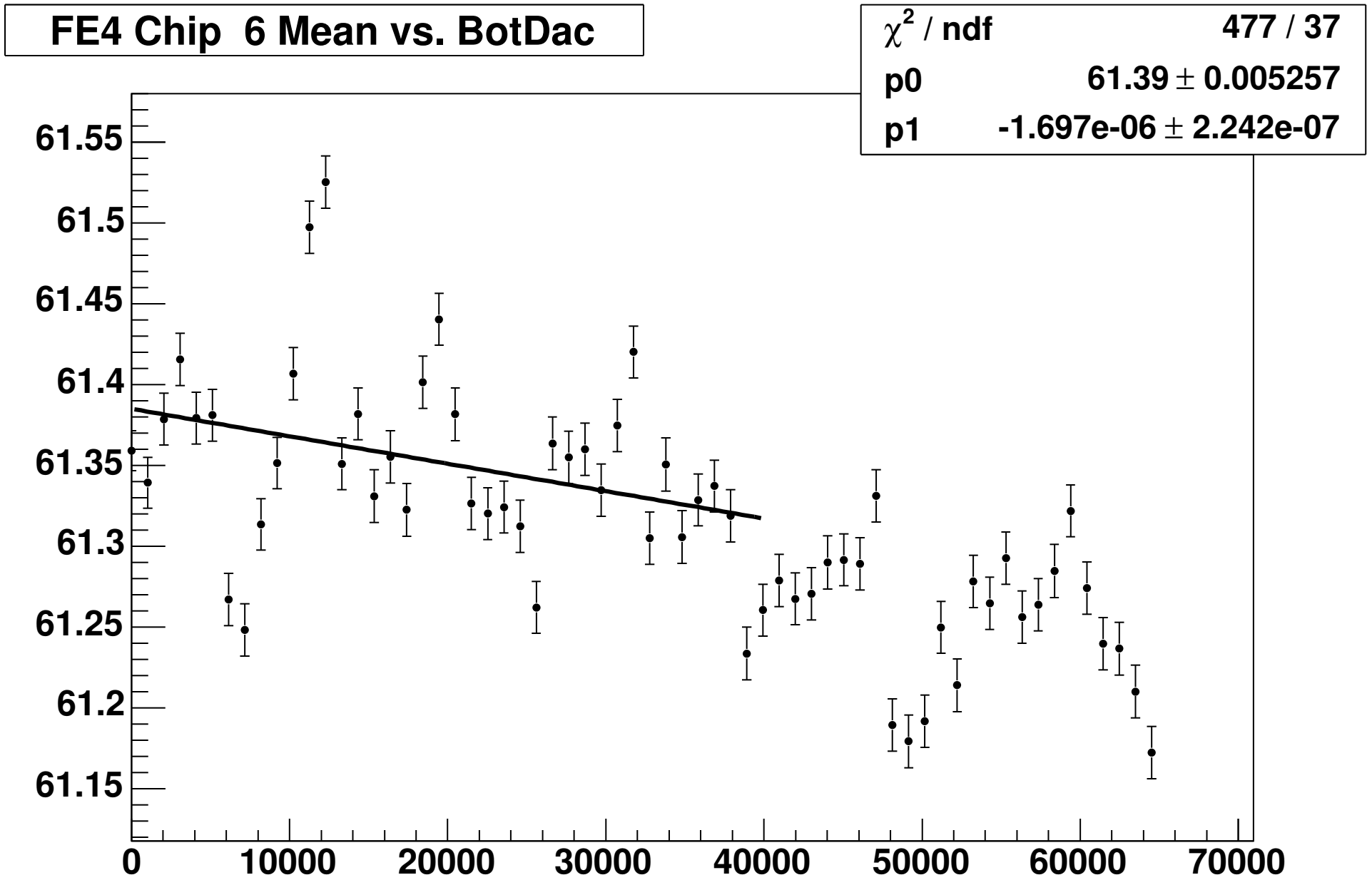
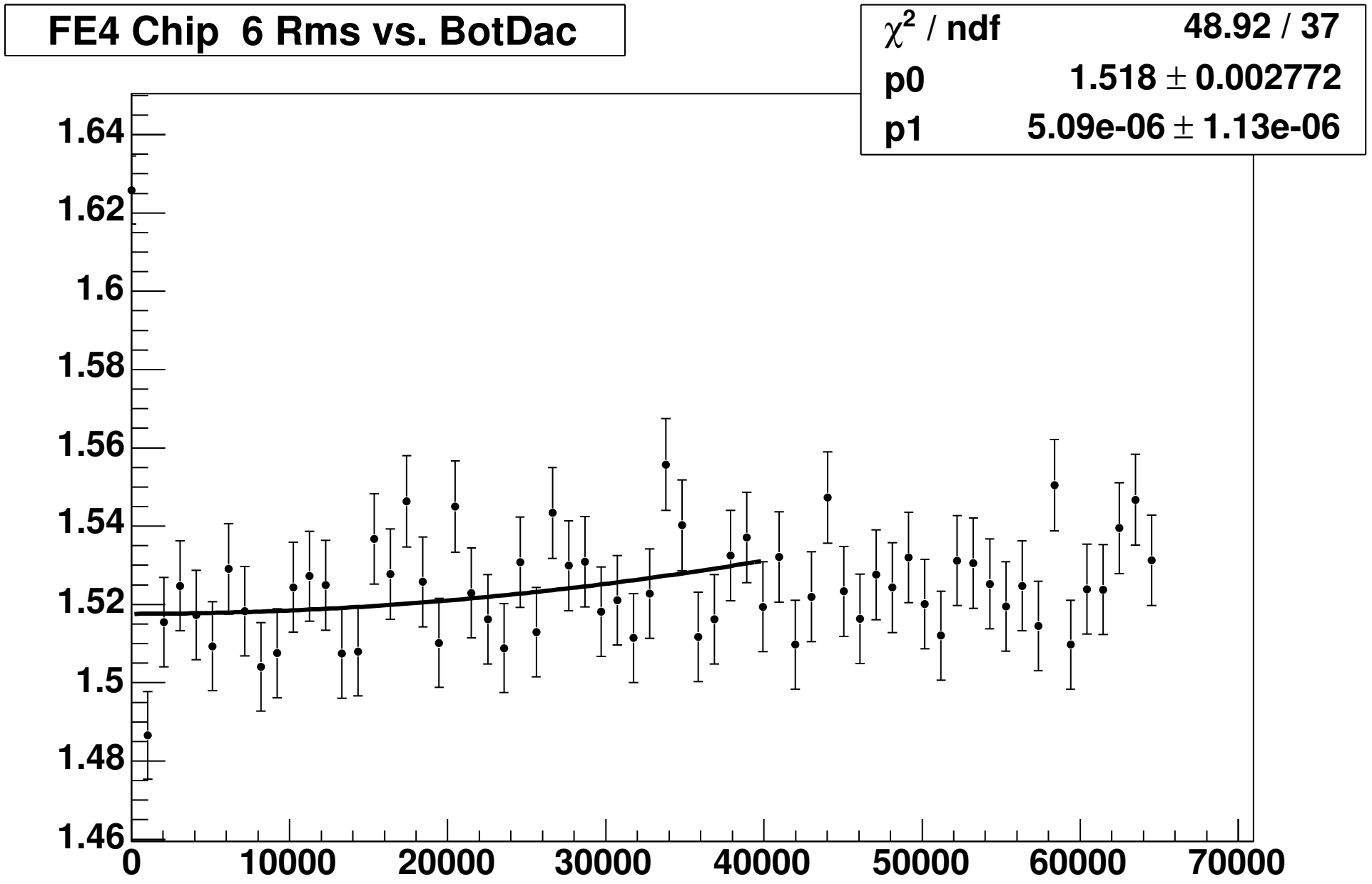

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 477 / 37
p0 61.39 ± 0.005257
p1 -1.697e-06 ± 2.242e-07
61.55
61.5
61.45
61.4
61.35
61.3
61.25
61.2
61.15
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 48.92 / 37
p0 1.518 ± 0.002772
p1 5.09e-06 ± 1.13e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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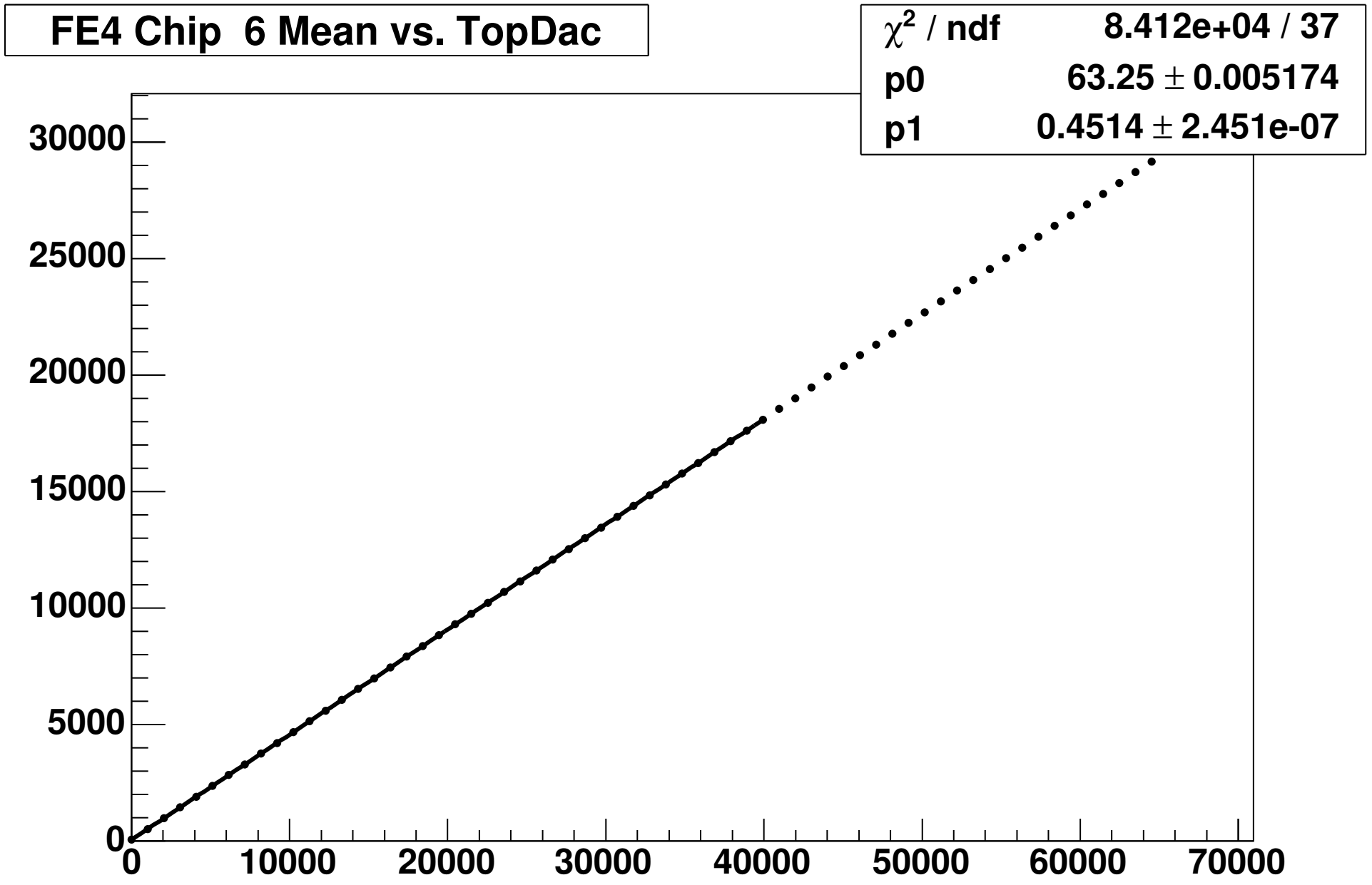
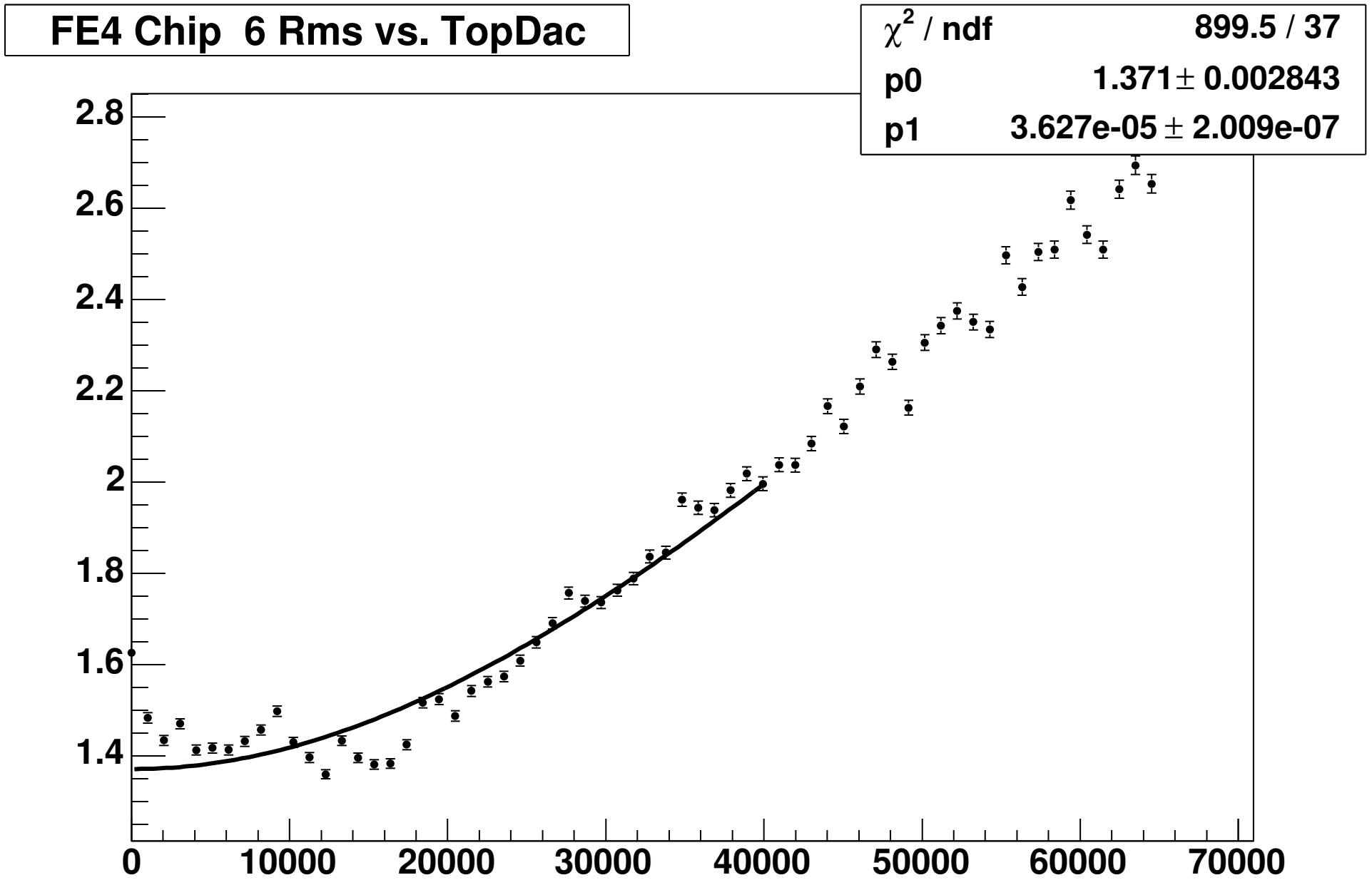

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 8.412e+04 / 37
p0 63.25 ± 0.005174
p1 0.4514 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 899.5 / 37
p0 1.371 ± 0.002843
p1 3.627e-05 ± 2.009e-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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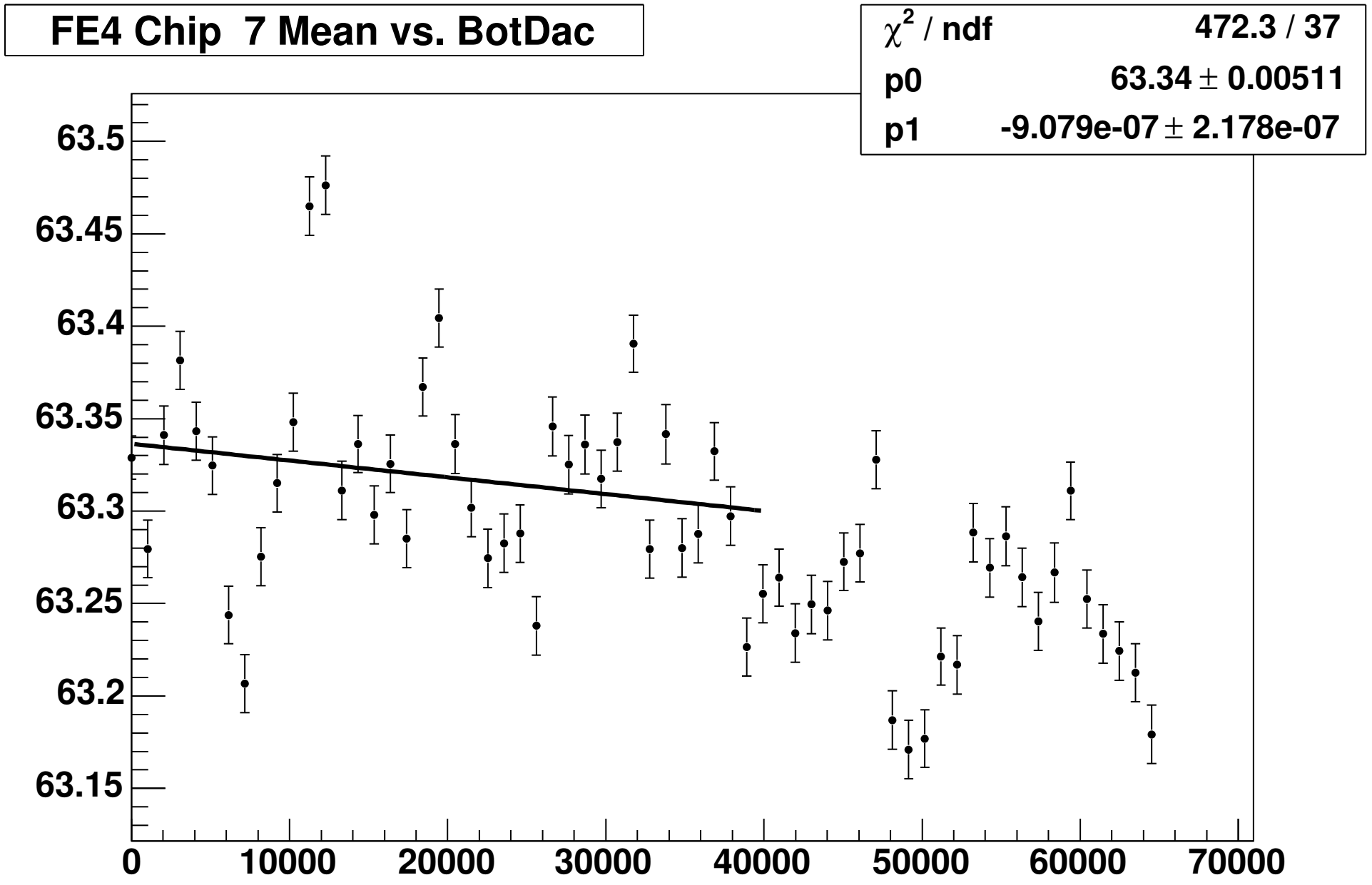
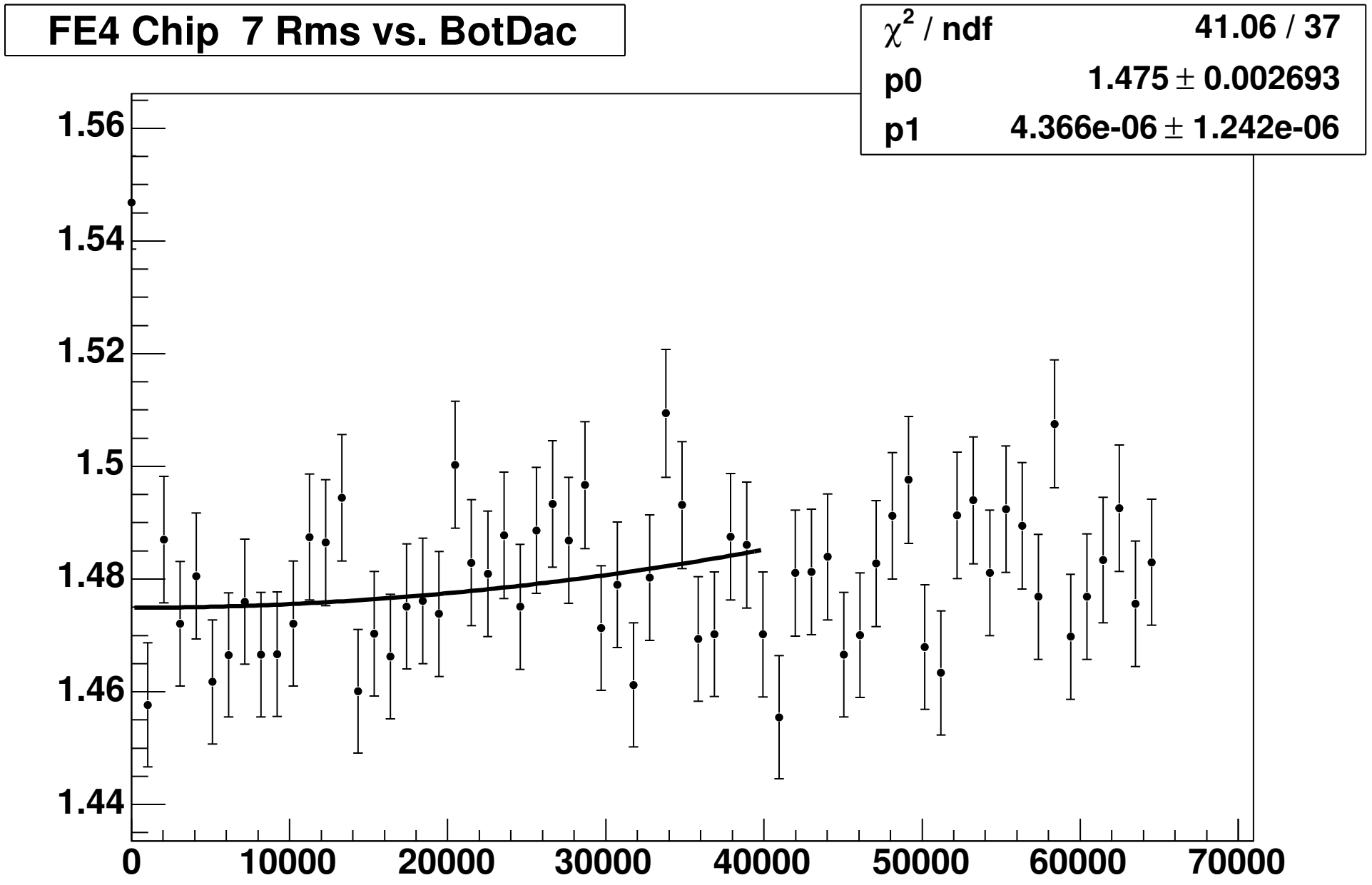

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 472.3 / 37
p0 63.34 ± 0.00511
p1 -9.079e-07 ± 2.178e-07
63.5
63.45
63.4
63.35
63.3
63.25
63.2
63.15
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 41.06 / 37
p0 1.475 ± 0.002693
p1 4.366e-06 ± 1.242e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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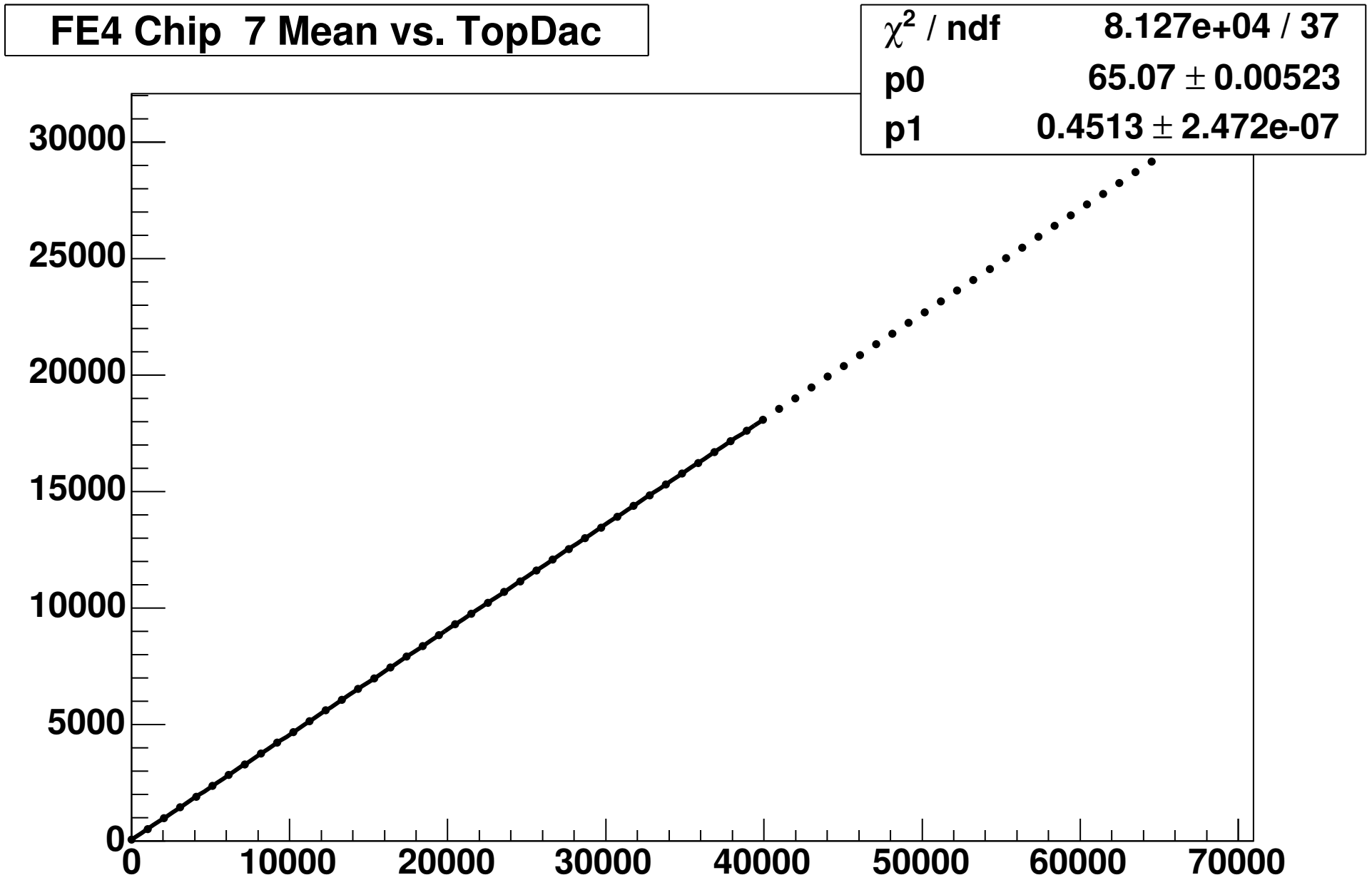
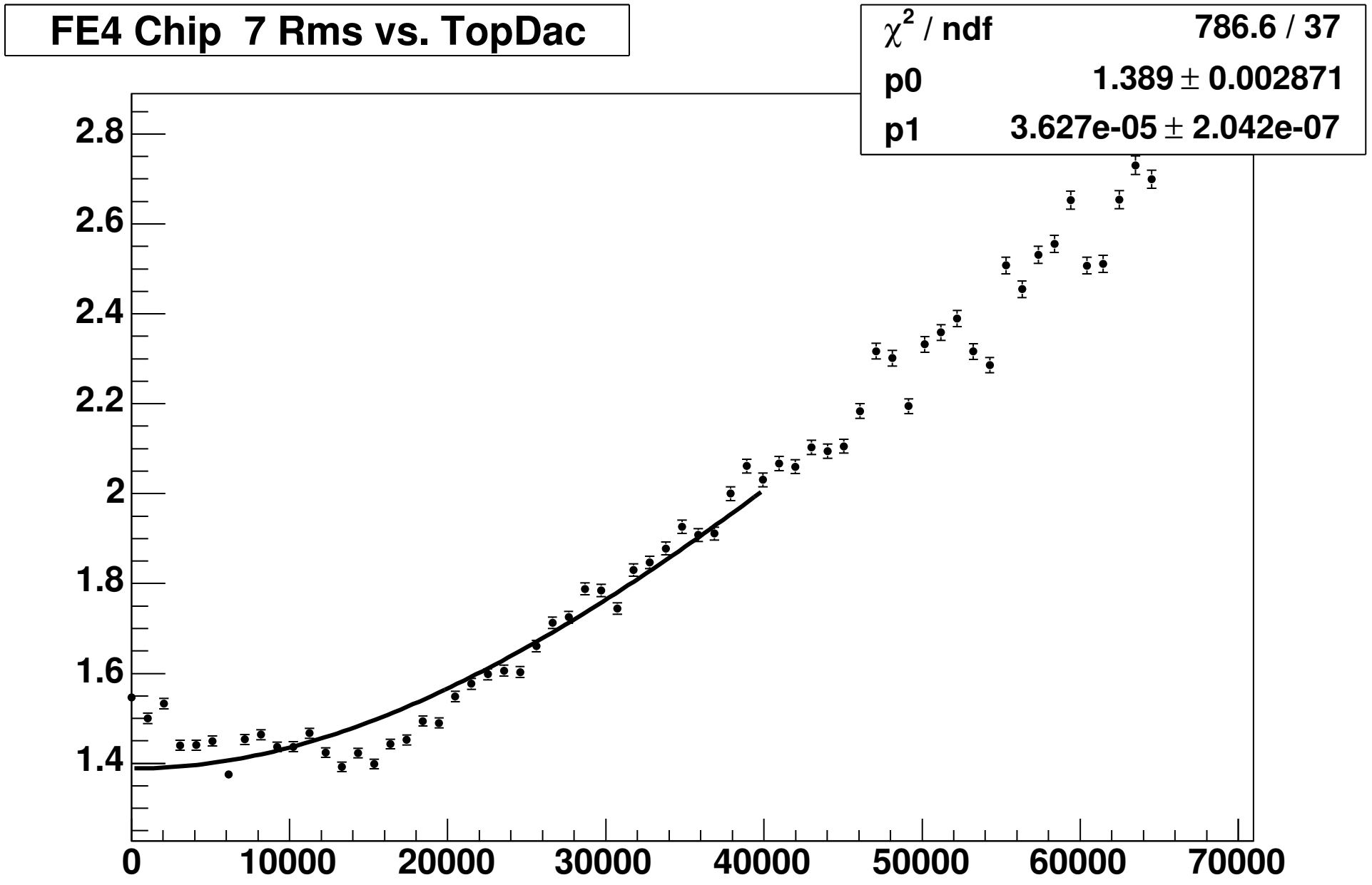
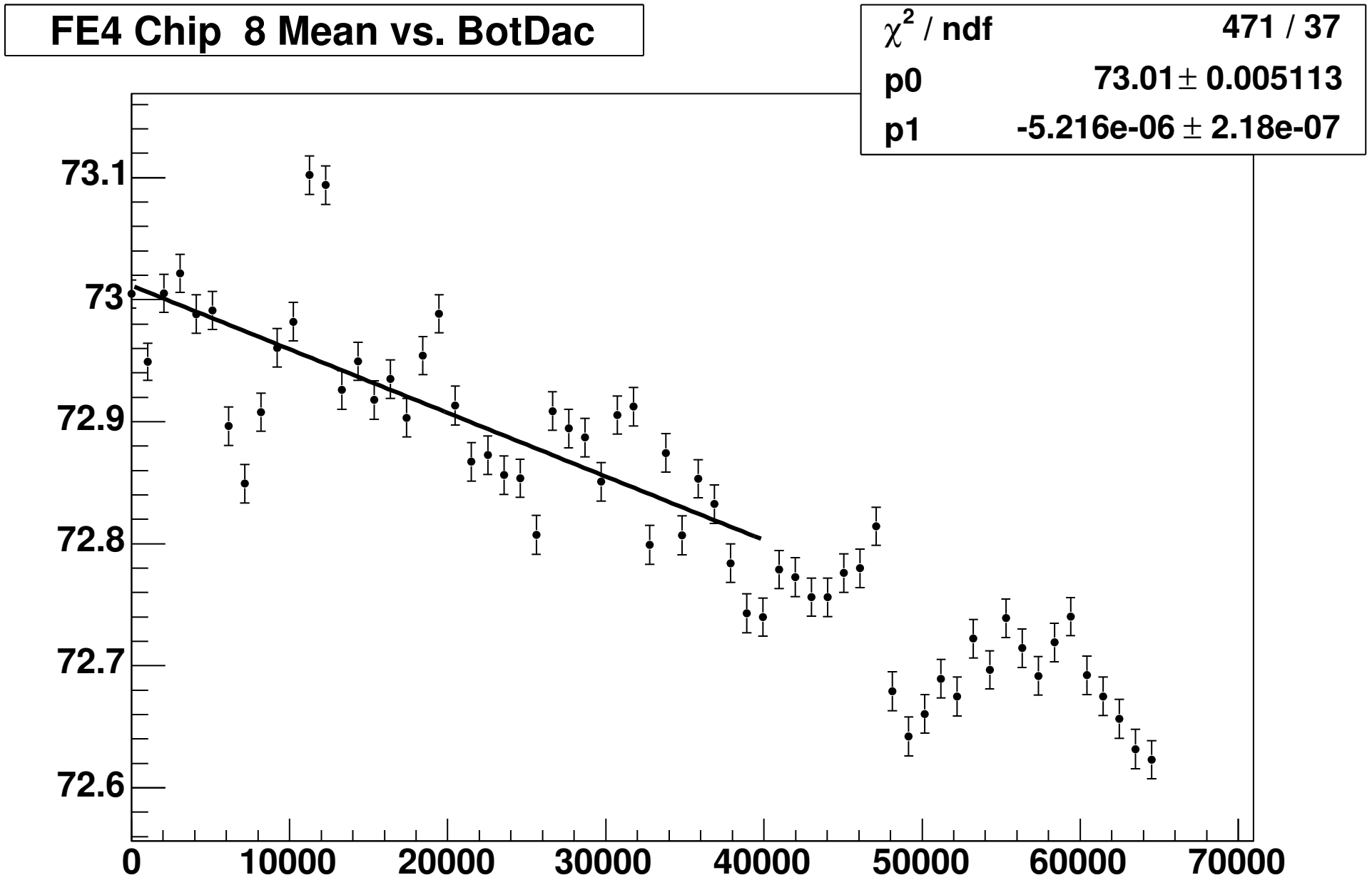

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 8.127e+04 / 37
p0 65.07 ± 0.00523
p1 0.4513 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 786.6 / 37
p0 1.389 ± 0.002871
p1 3.627e-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


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 471 / 37
p0 73.01 ± 0.005113
p1 -5.216e-06 ± 2.18e-07
73.1
73
72.9
72.8
72.7
72.6
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10000
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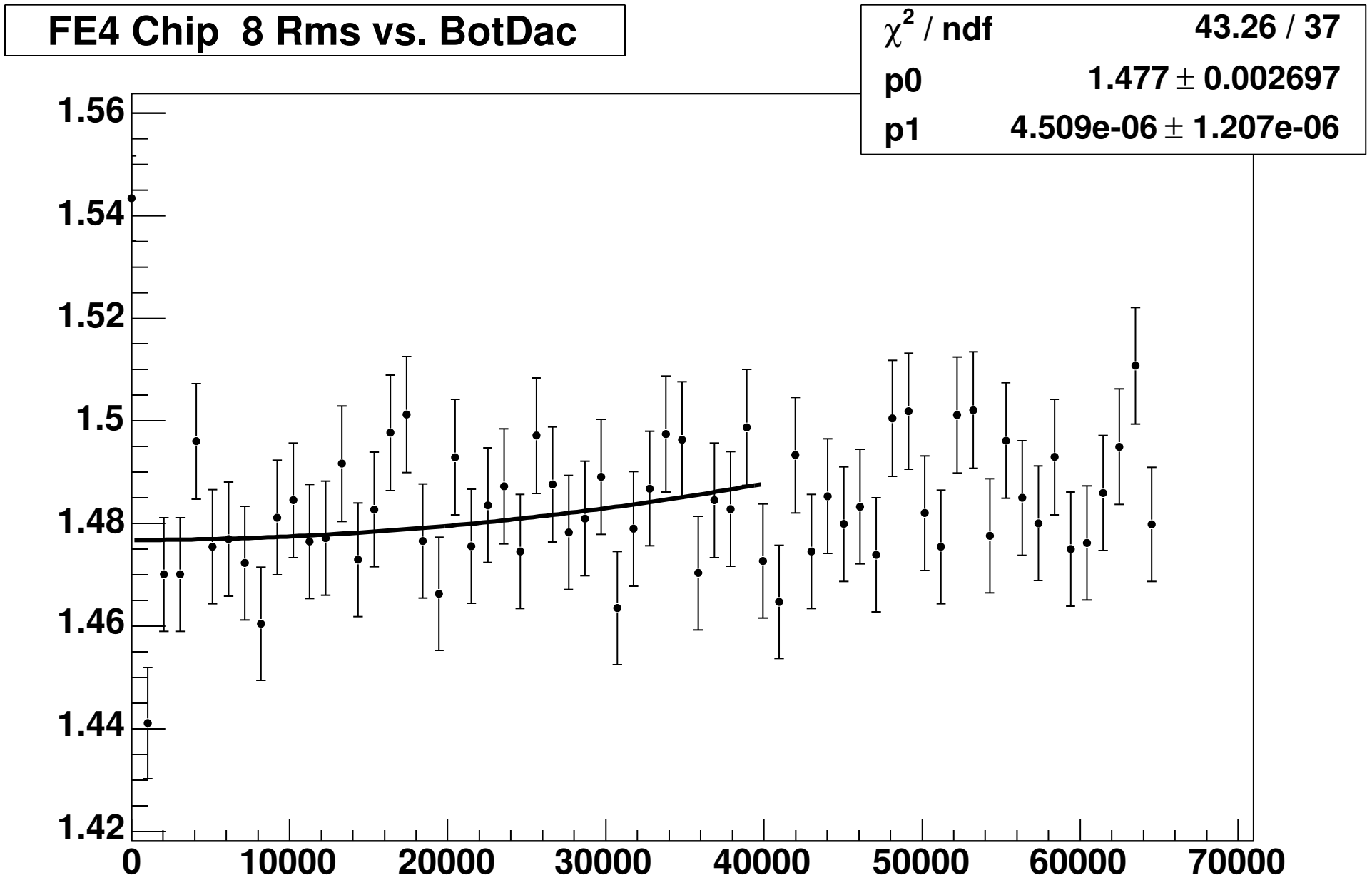
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 43.26 / 37
p0 1.477 ± 0.002697
p1 4.509e-06 ± 1.207e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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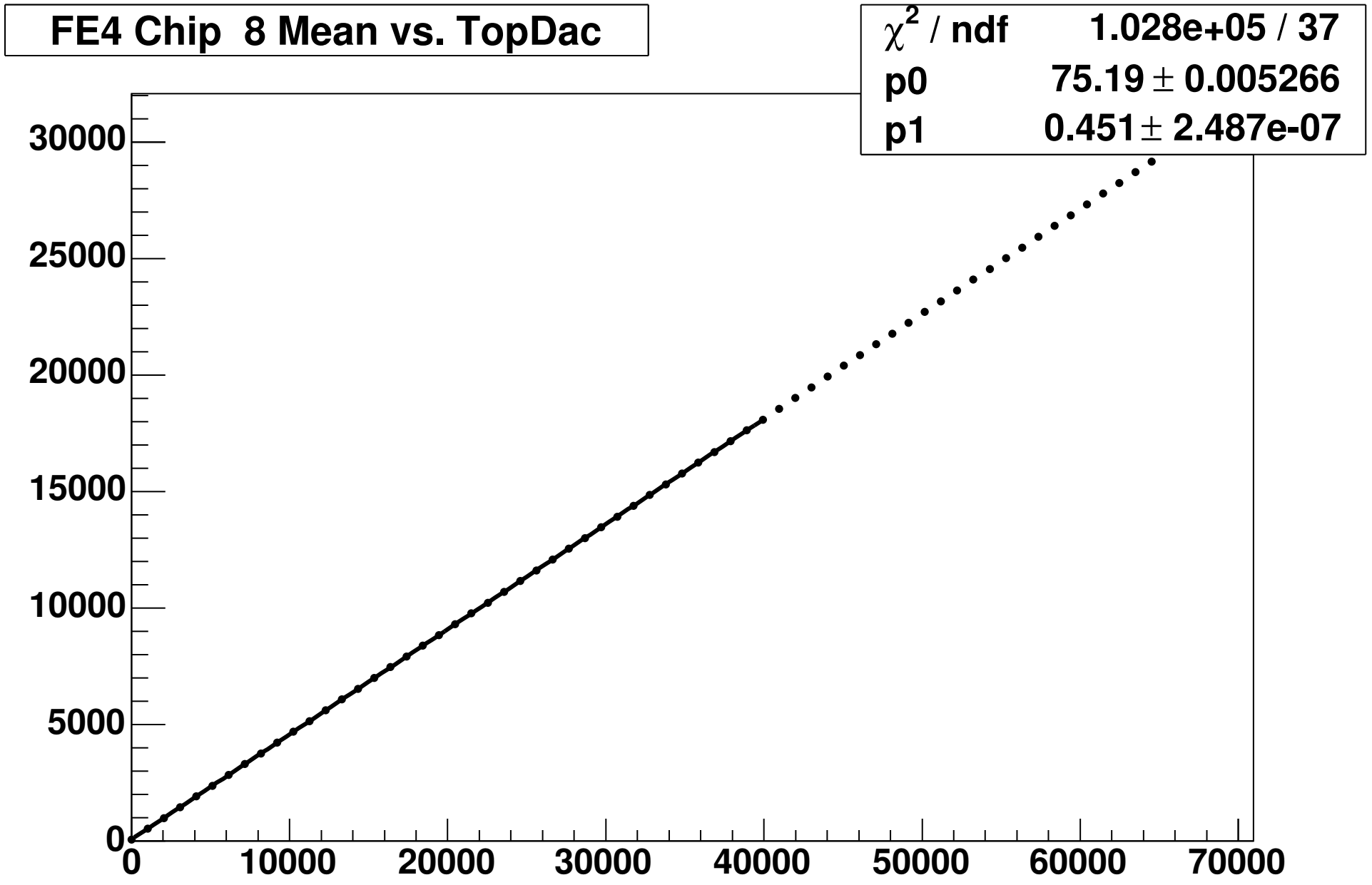
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.028e+05 / 37
p0 75.19 ± 0.005266
p1 0.451 ± 2.487e-07
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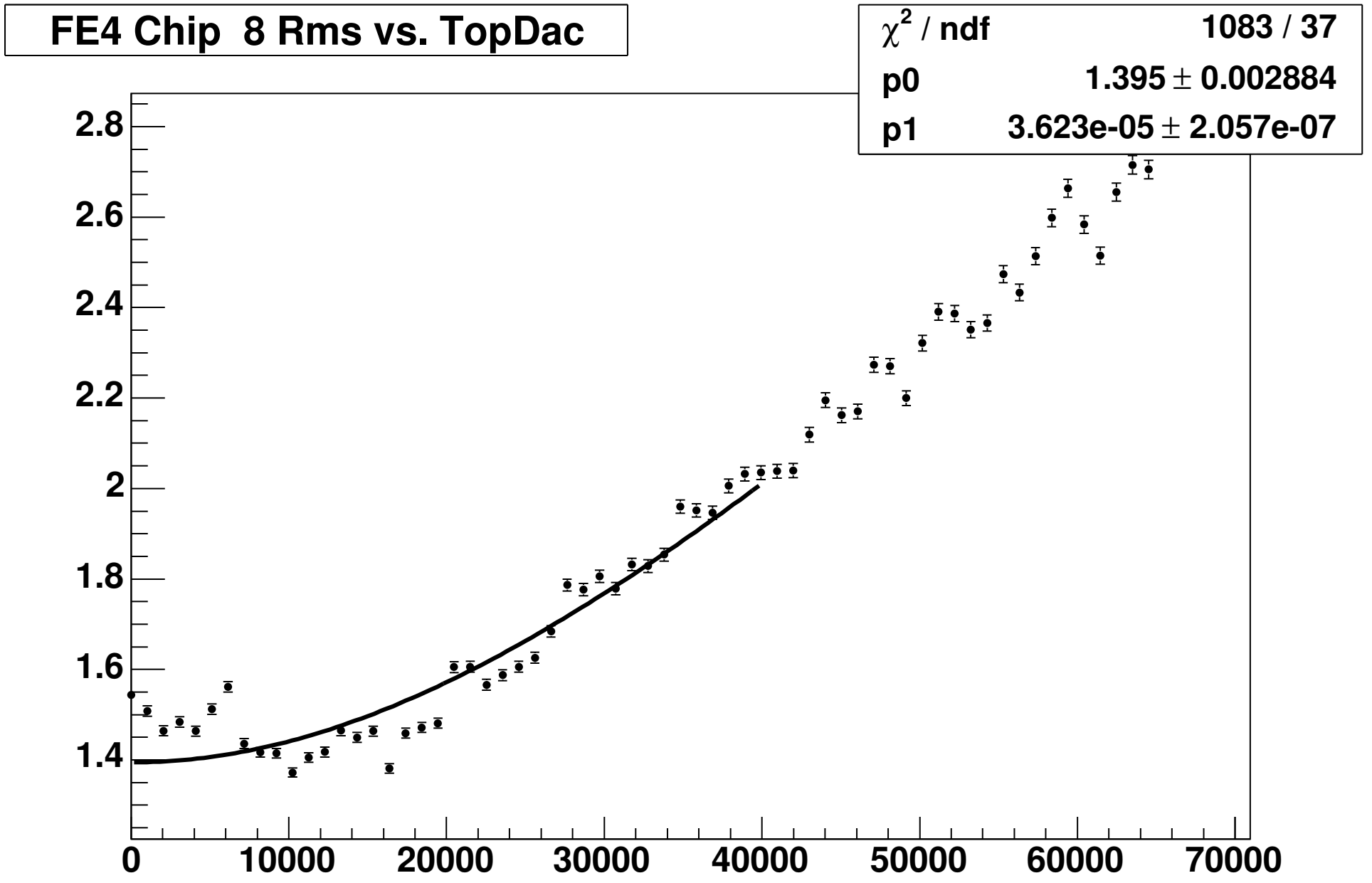
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 1083 / 37
p0 1.395 ± 0.002884
p1 3.623e-05 ± 2.057e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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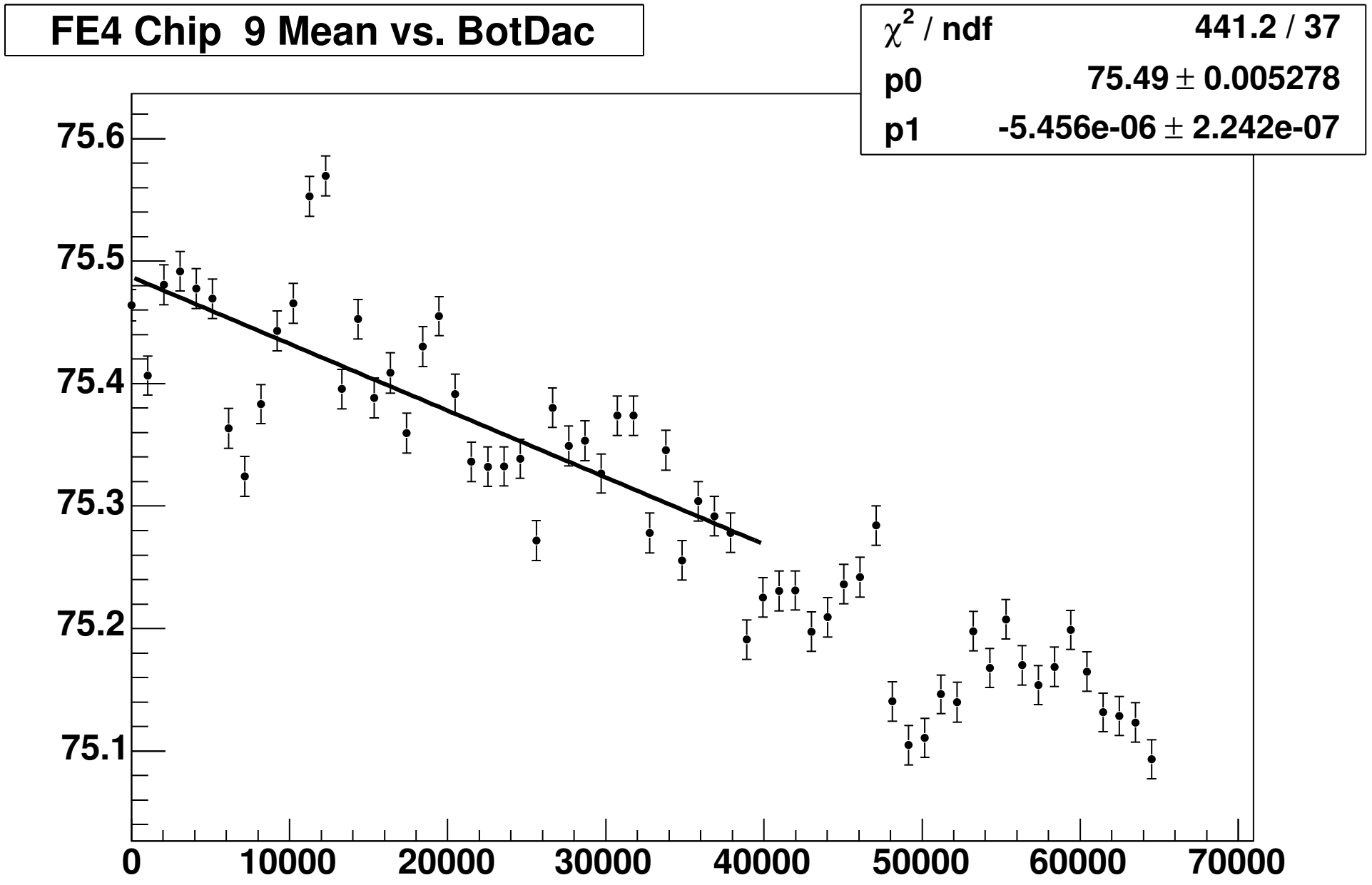
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 441.2 / 37
p0 75.49 ± 0.005278
p1 -5.456e-06 ± 2.242e-07
75.6
75.5
75.4
75.3
75.2
75.1
0
10000
20000
30000
40000
50000
60000
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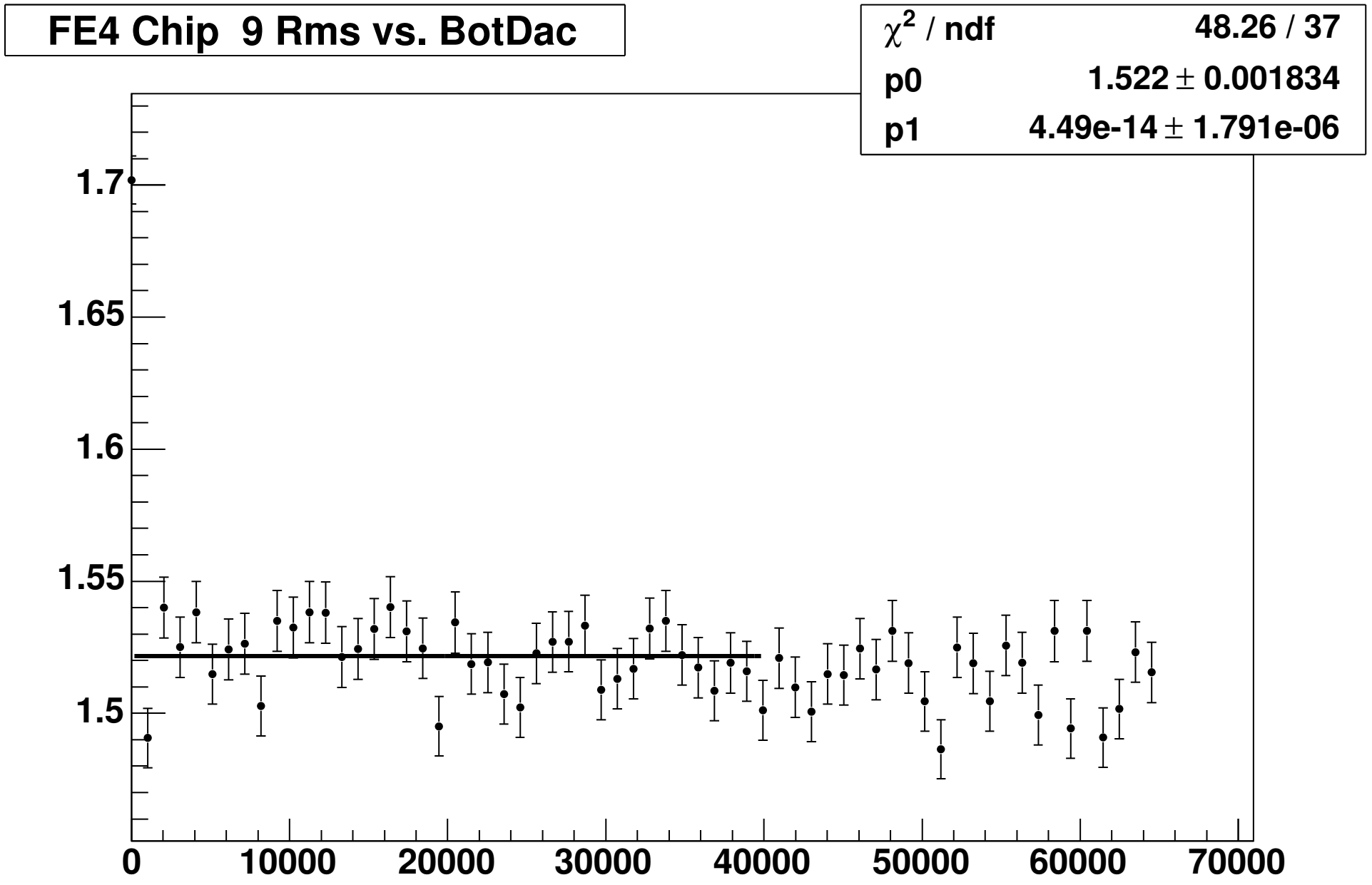
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 48.26 / 37
p0 1.522 ± 0.001834
p1 4.49e-14 ± 1.791e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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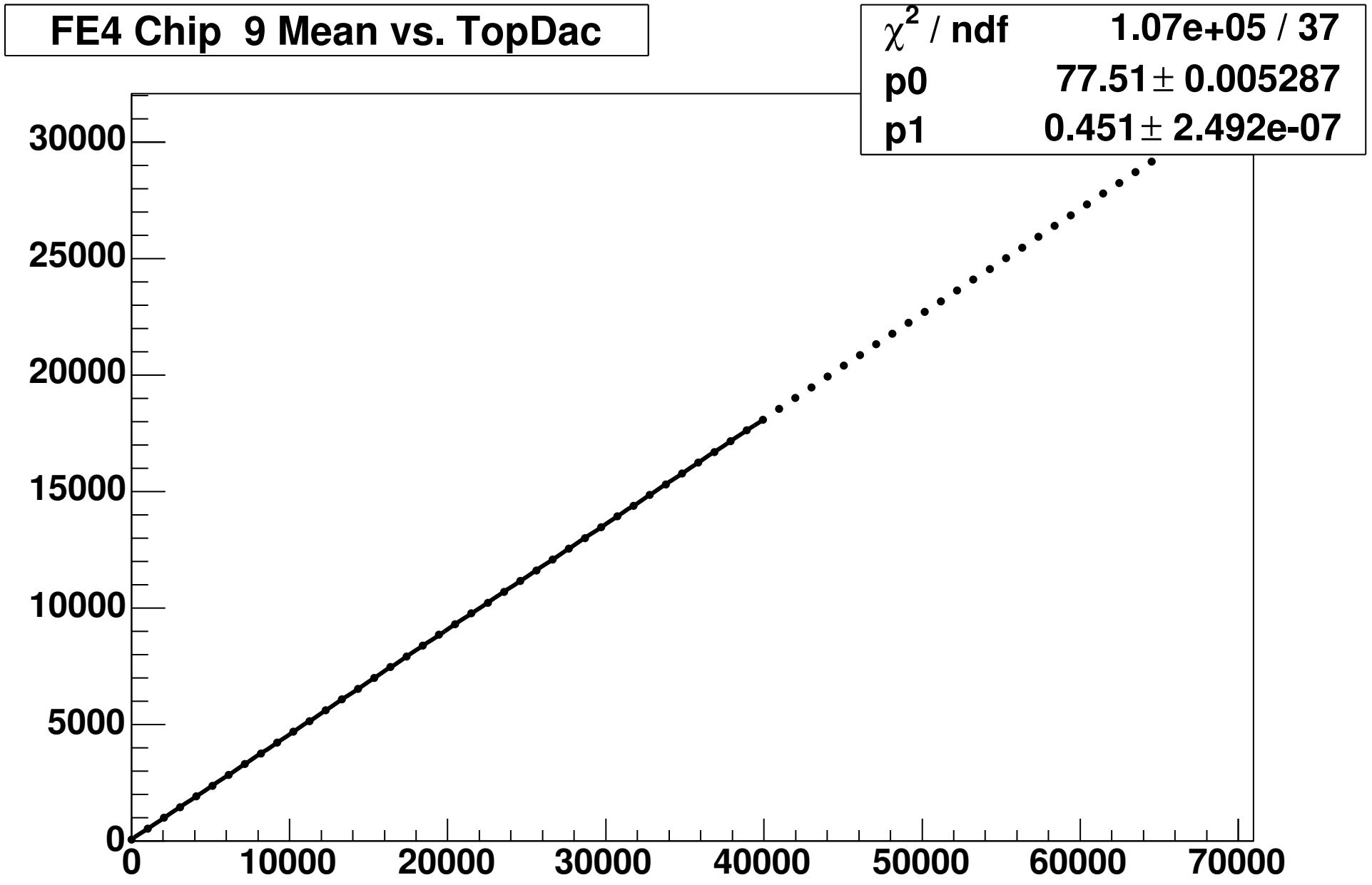
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 1.07e+05 / 37
p0 77.51 ± 0.005287
p1 0.451 ± 2.492e-07
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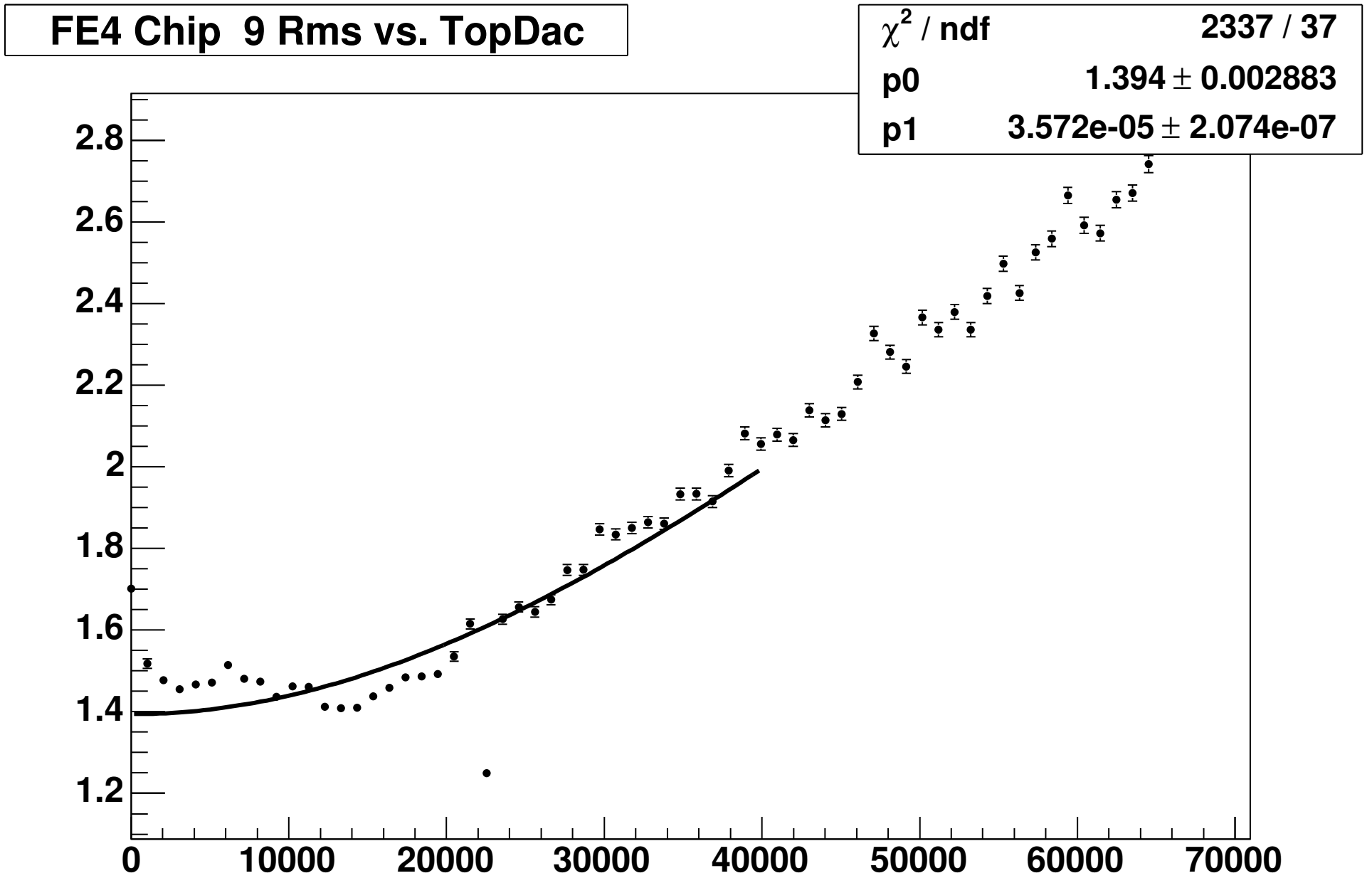
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 2337 / 37
p0 1.394 ± 0.002883
p1 3.572e-05 ± 2.074e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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60000
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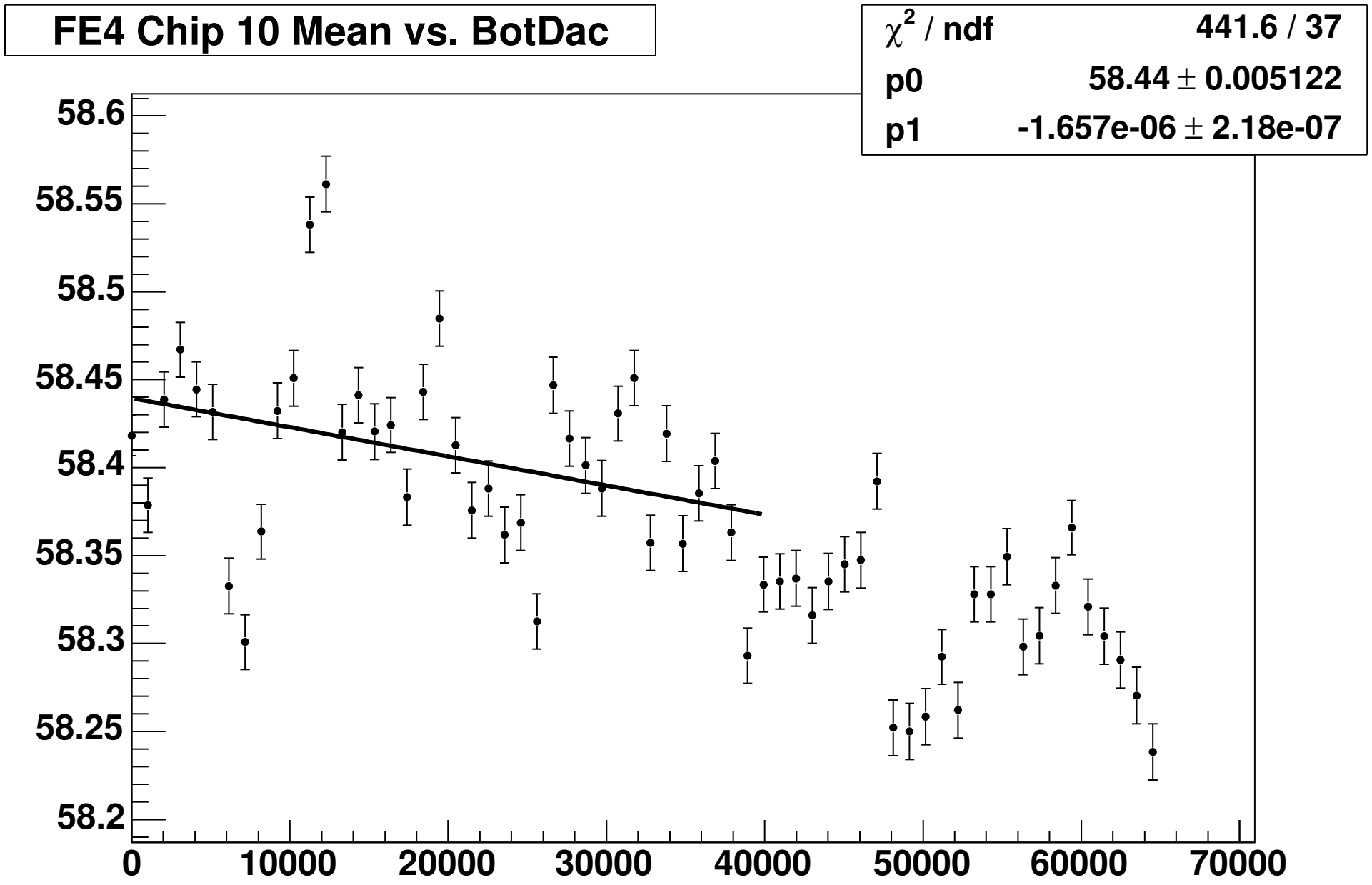
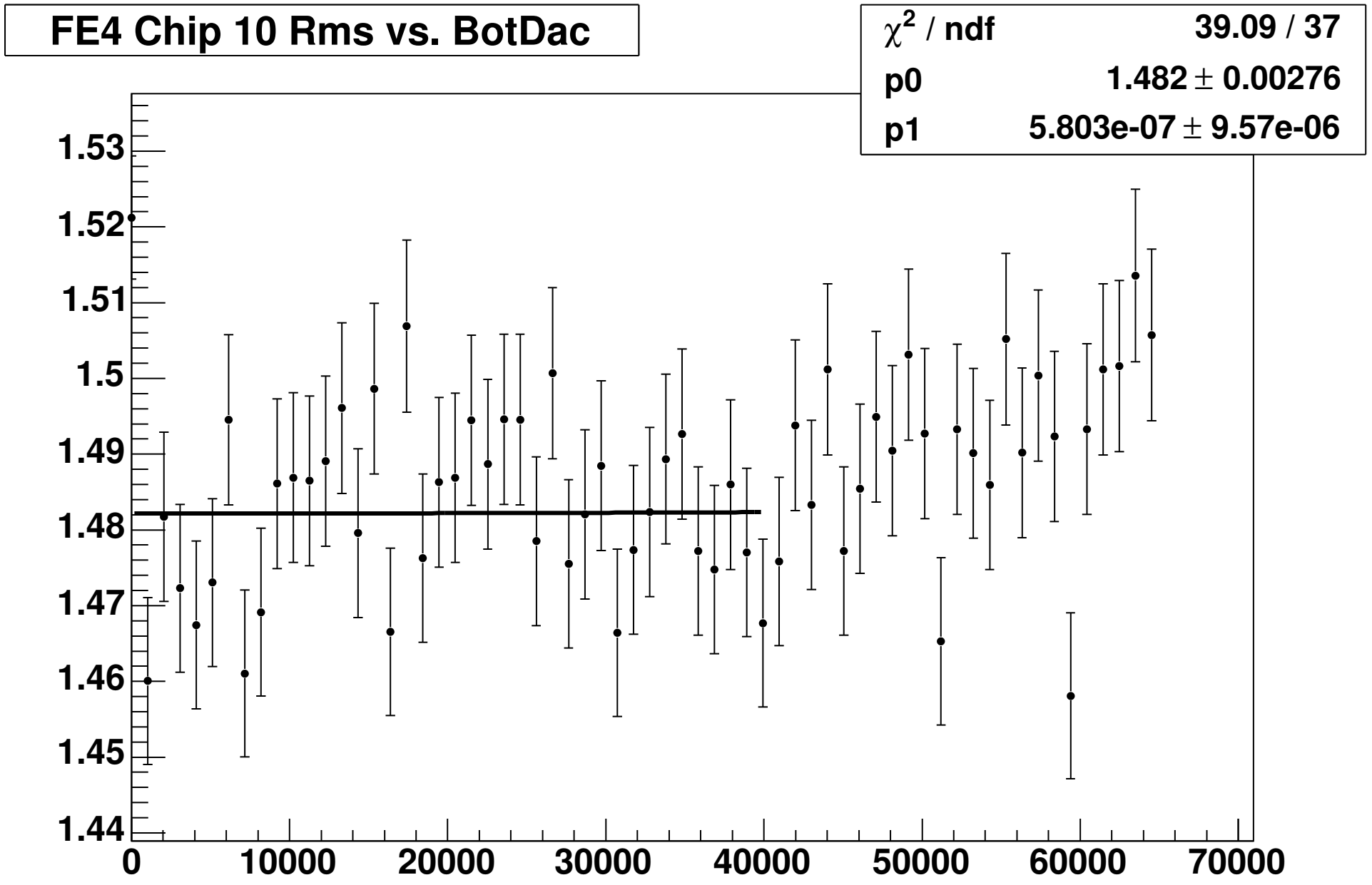

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 441.6 / 37
p0 58.44 ± 0.005122
p1 -1.657e-06 ± 2.18e-07
58.6
58.55
58.5
58.45
58.4
58.35
58.3
58.25
58.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 39.09 / 37
p0 1.482 ± 0.00276
p1 5.803e-07 ± 9.57e-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
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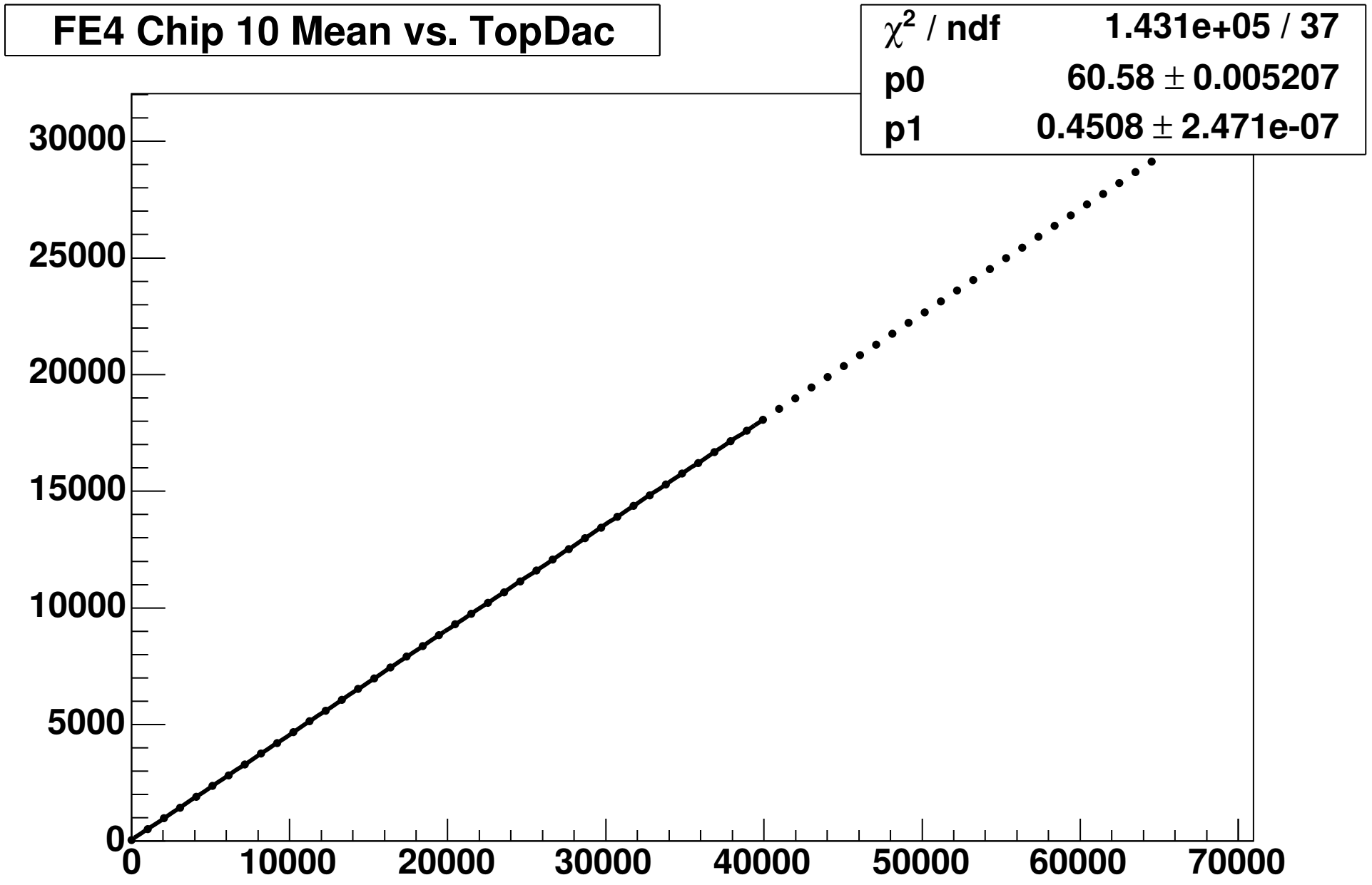
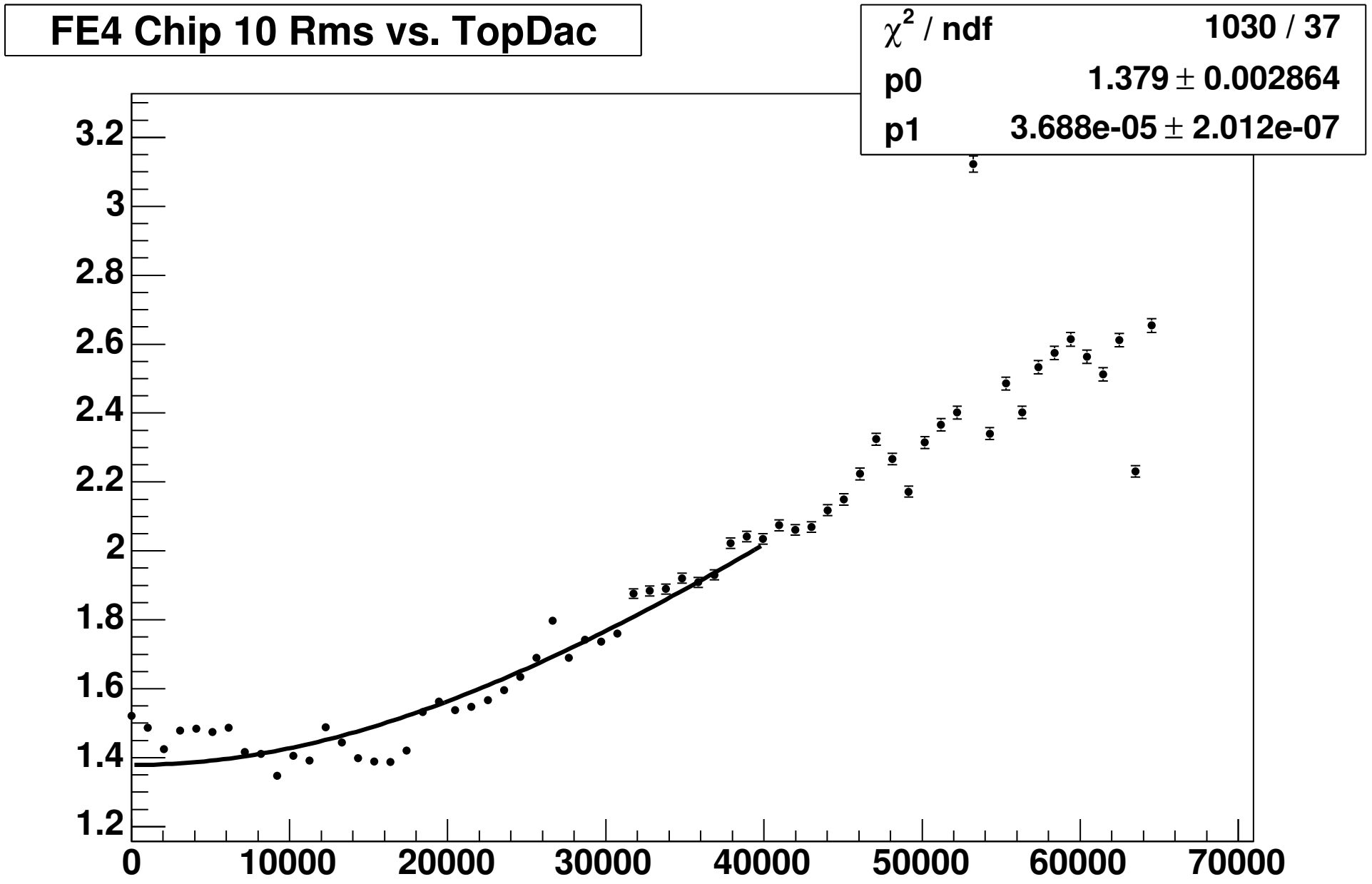

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.431e+05 / 37
p0 60.58 ± 0.005207
p1 0.4508 ± 2.471e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1030 / 37
p0 1.379 ± 0.002864
p1 3.688e-05 ± 2.012e-07
3.2
3
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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60000
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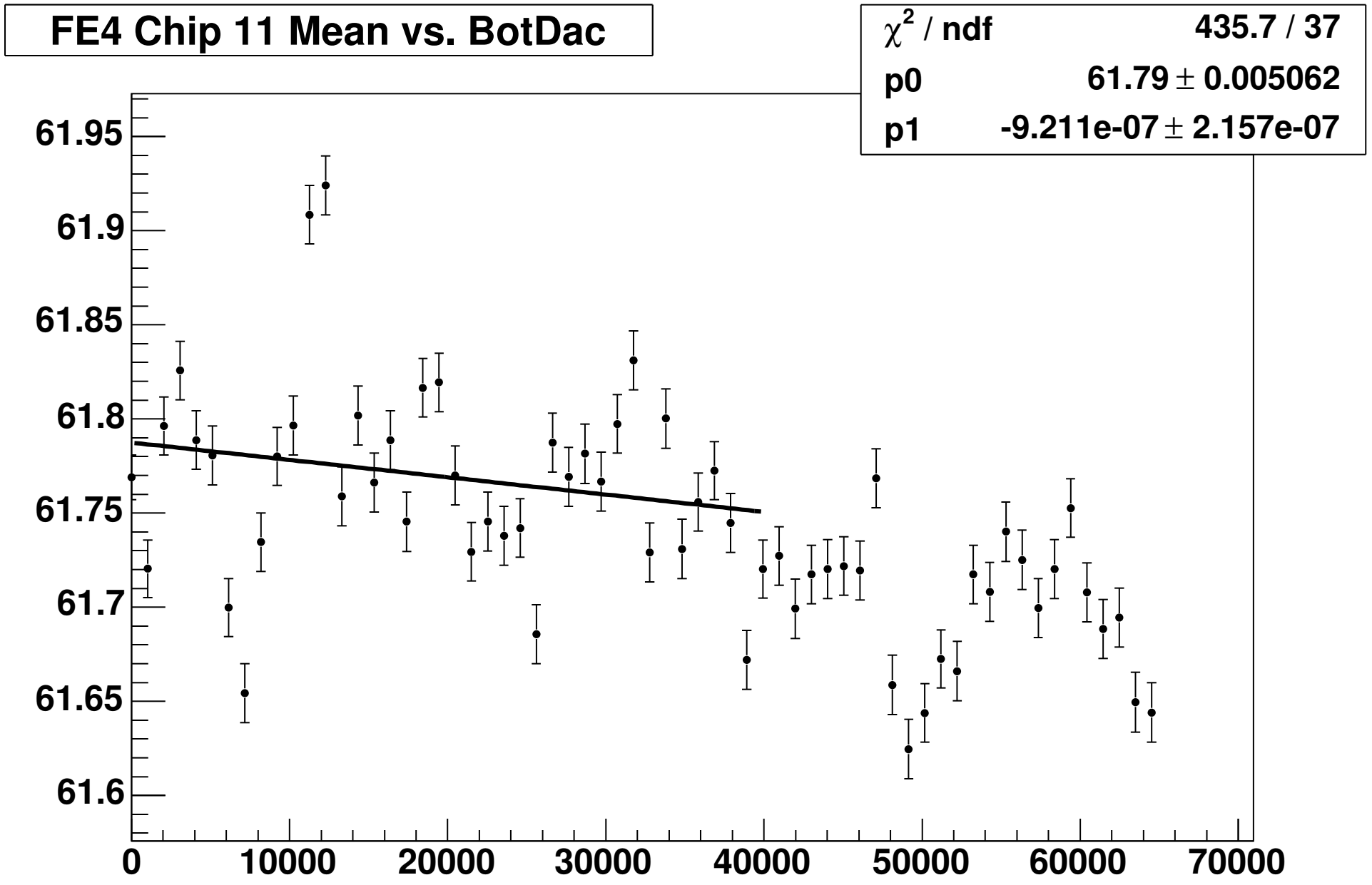
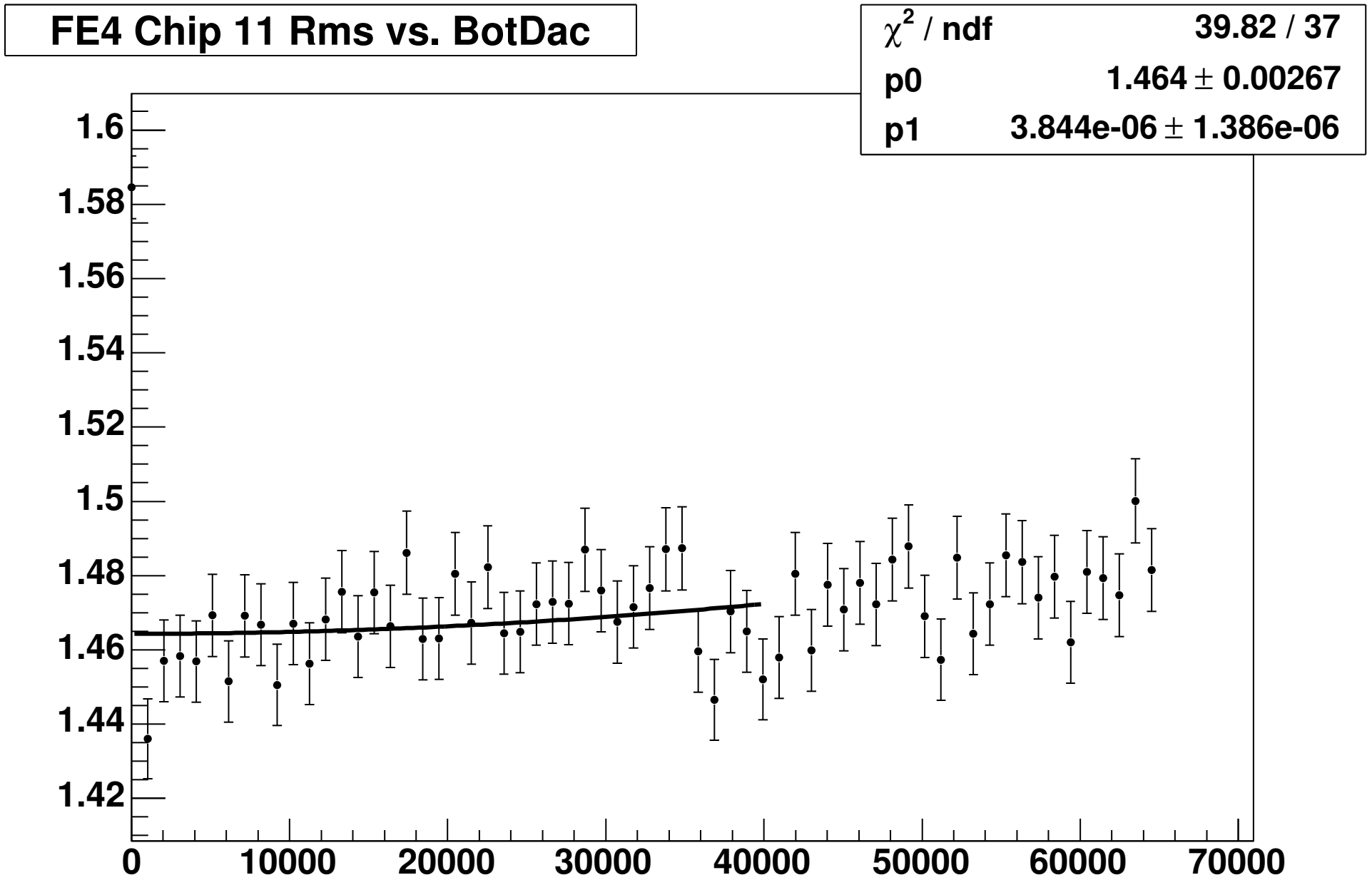

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 435.7 / 37
p0 61.79 ± 0.005062
p1 -9.211e-07 ± 2.157e-07
61.95
61.9
61.85
61.8
61.75
61.7
61.65
61.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 39.82 / 37
p0 1.464 ± 0.00267
p1 3.844e-06 ± 1.386e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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50000
60000
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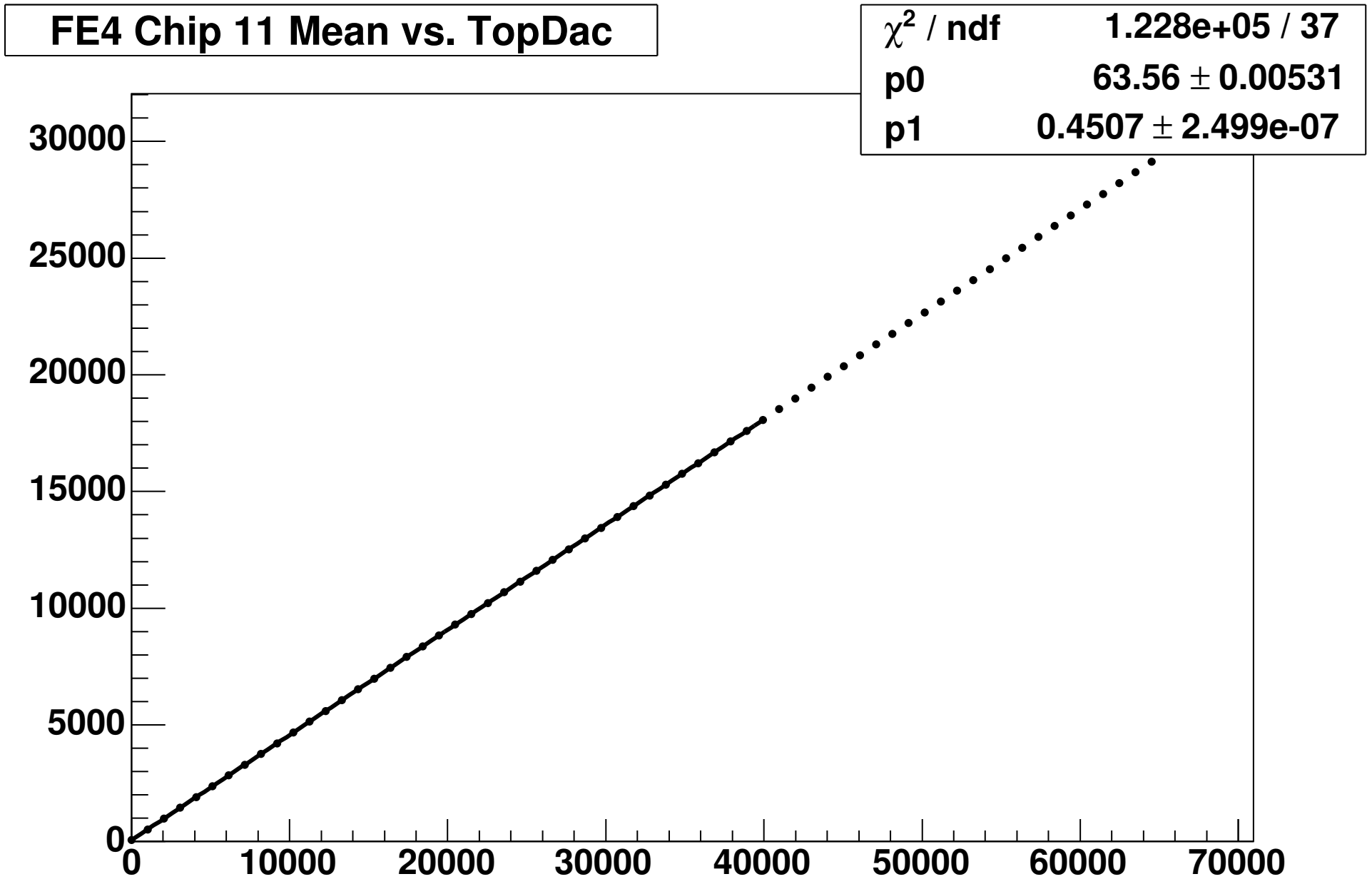
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.228e+05 / 37
p0 63.56 ± 0.00531
p1 0.4507 ± 2.499e-07
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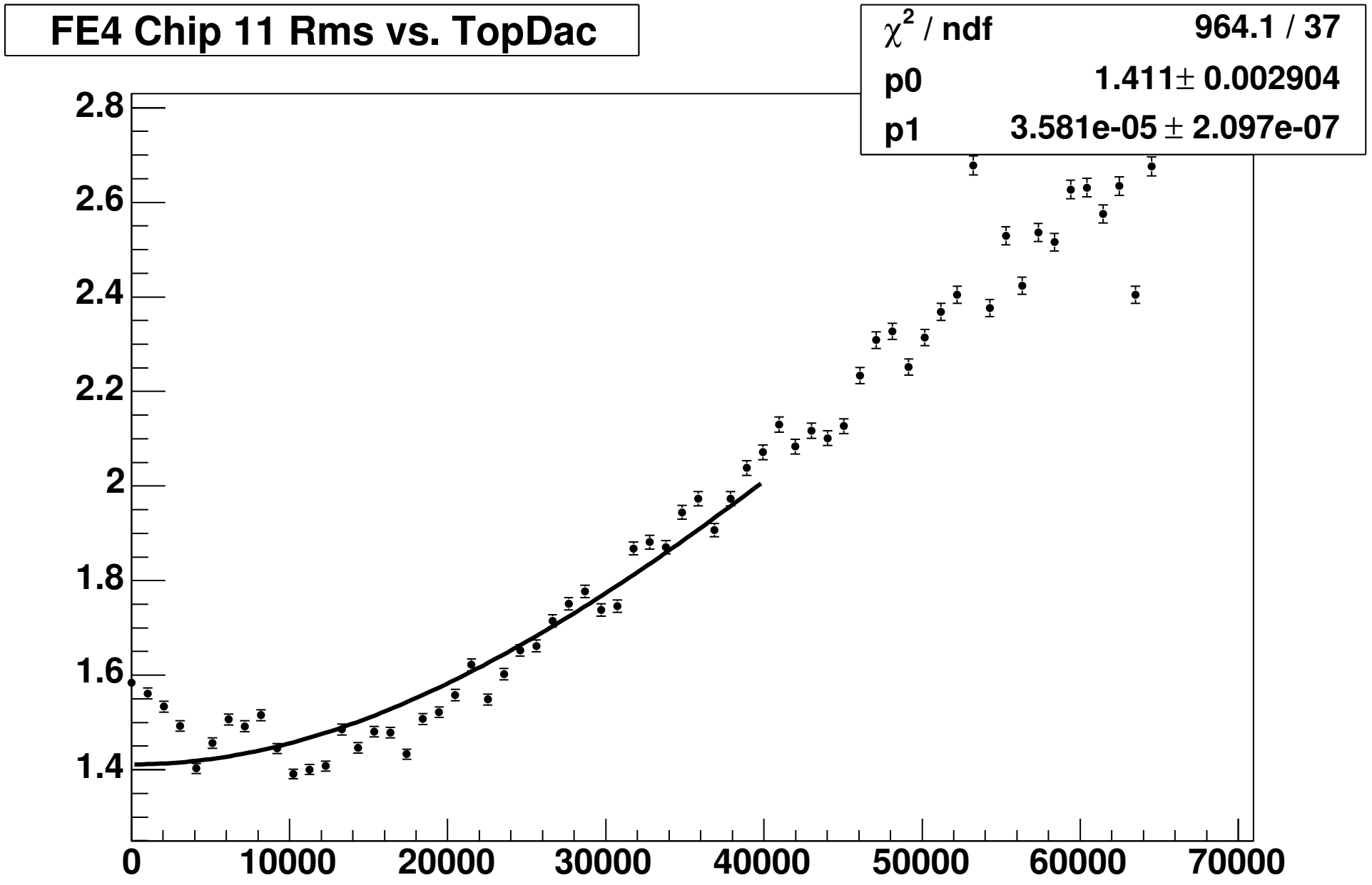
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 964.1 / 37
p0 1.411 ± 0.002904
p1 3.581e-05 ± 2.097e-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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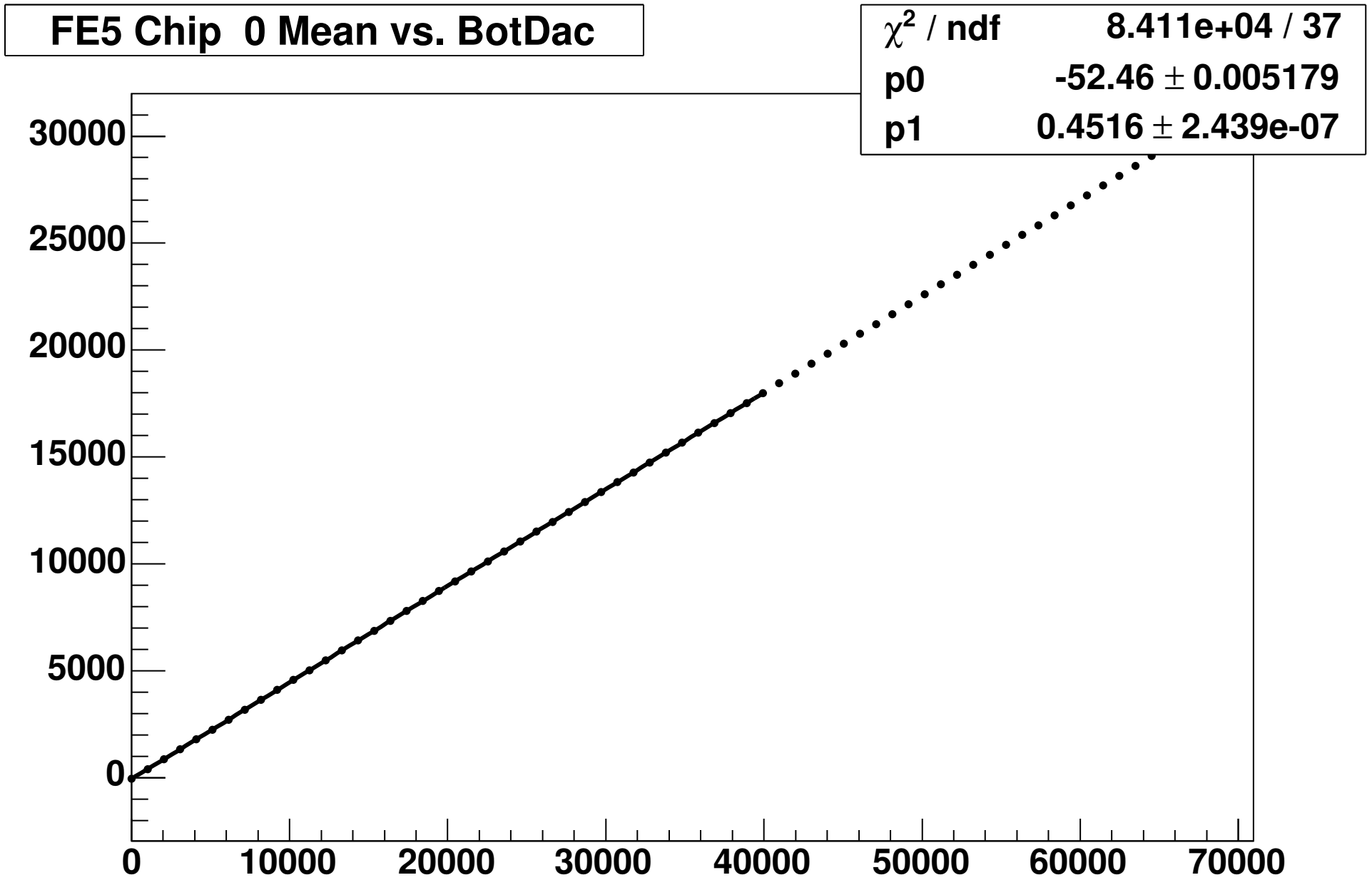
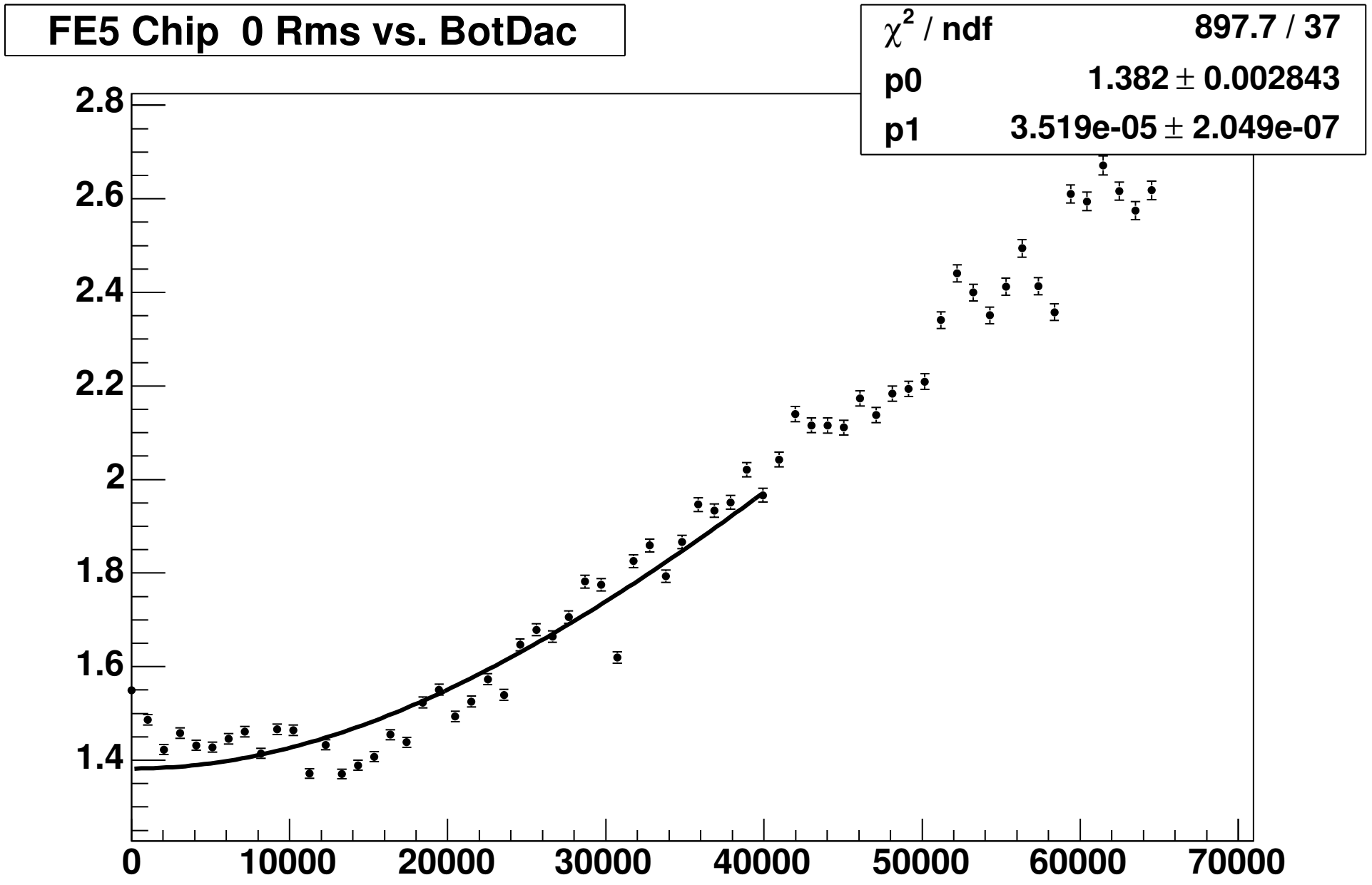

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 8.411e+04 / 37
p0 -52.46 ± 0.005179
p1 0.4516 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 897.7 / 37
p0 1.382 ± 0.002843
p1 3.519e-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
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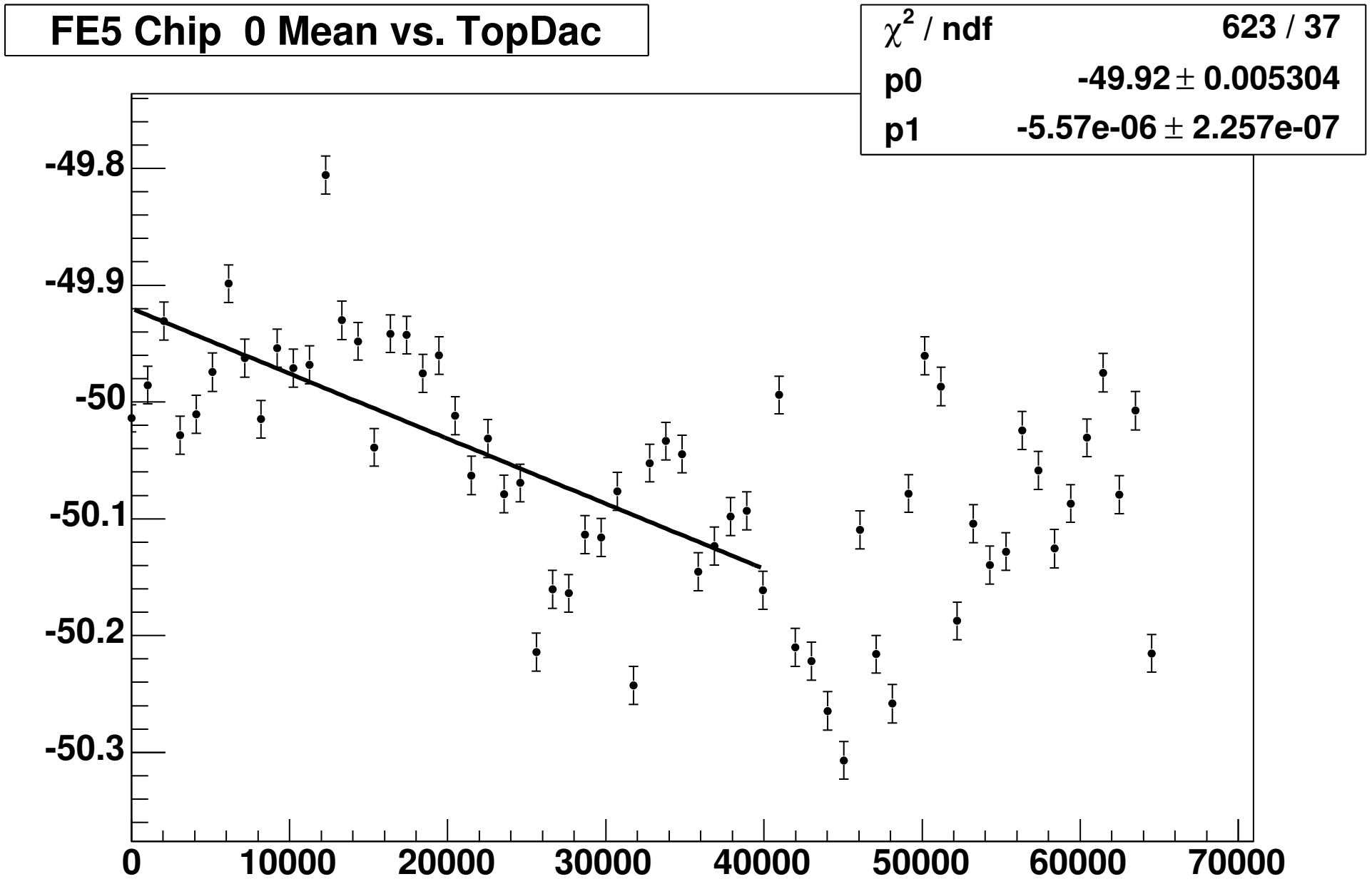
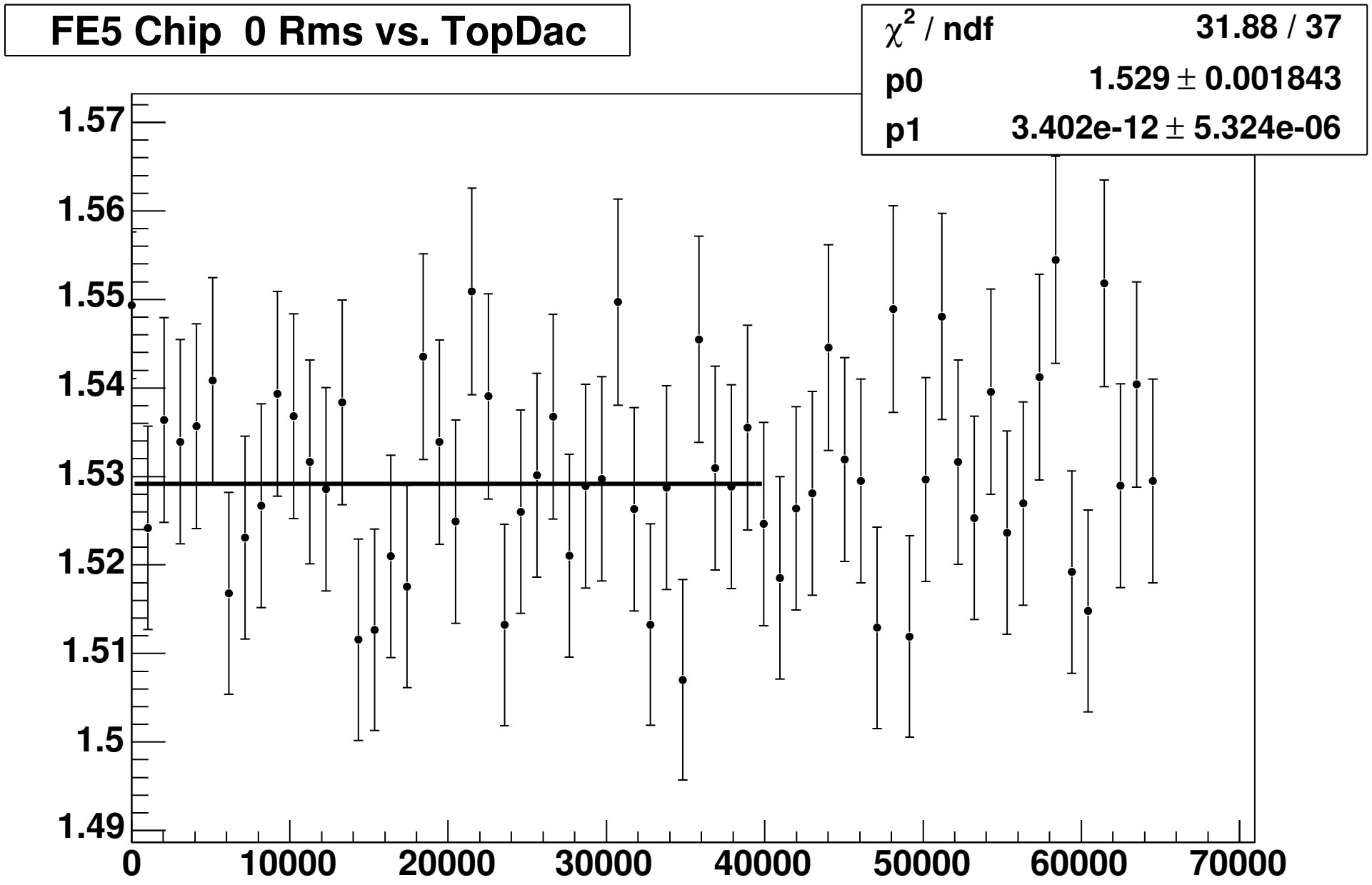

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 623 / 37
p0 -49.92 ± 0.005304
p1 -5.57e-06 ± 2.257e-07
-49.8
-49.9
-50
-50.1
-50.2
-50.3
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 31.88 / 37
p0 1.529 ± 0.001843
p1 3.402e-12 ± 5.324e-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
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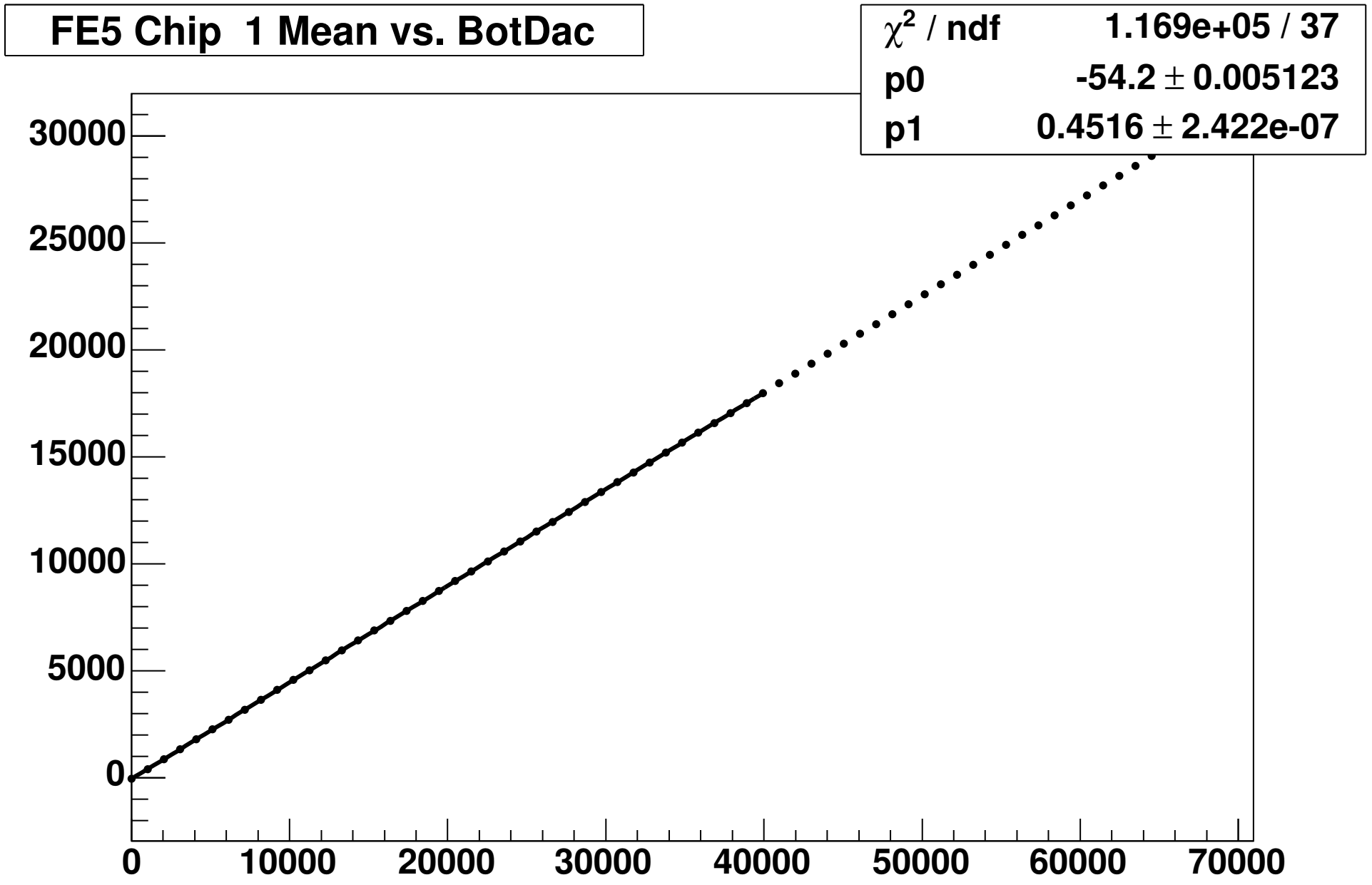
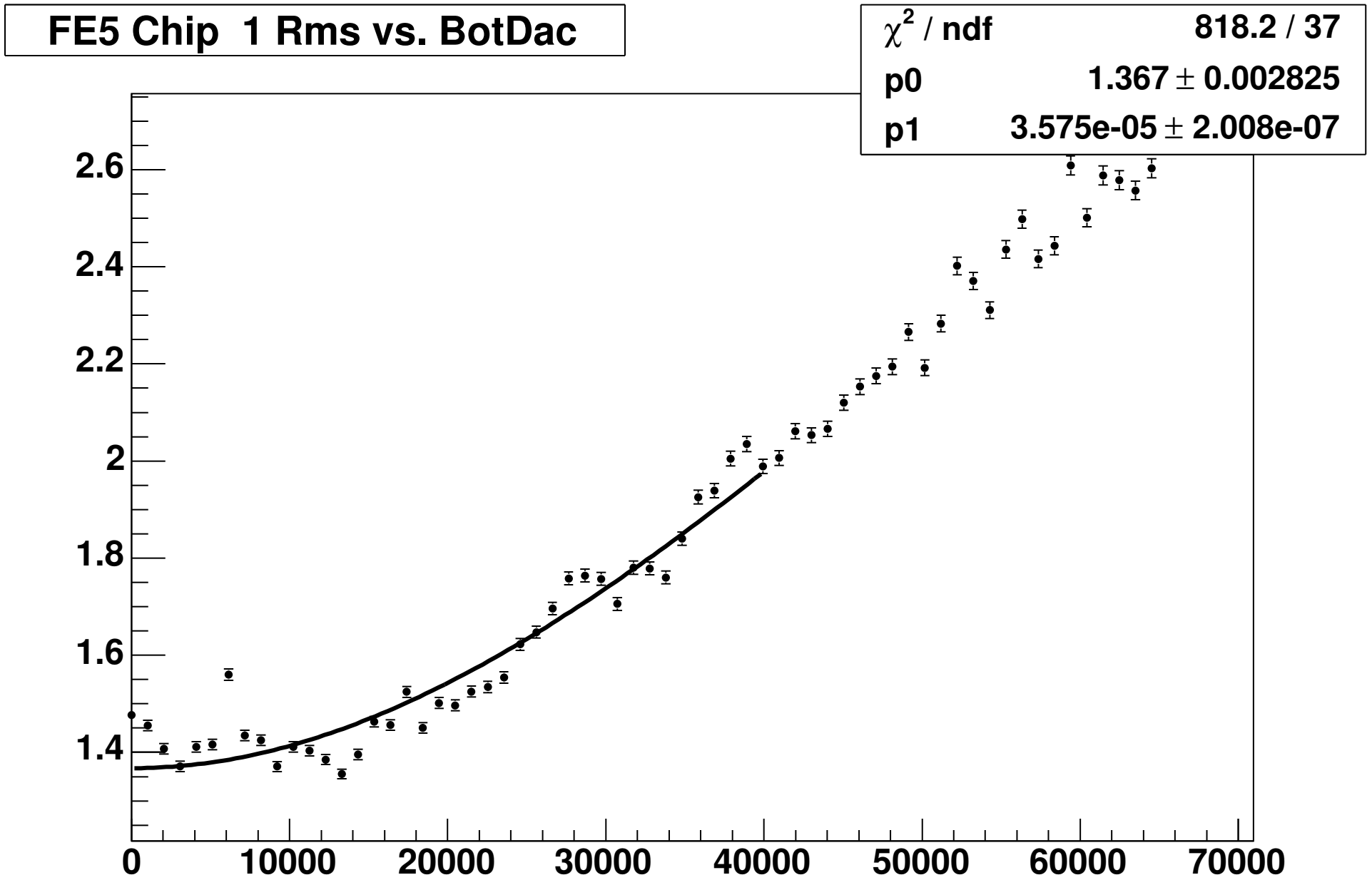

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.169e+05 / 37
p0 -54.2 ± 0.005123
p1 0.4516 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 818.2 / 37
p0 1.367 ± 0.002825
p1 3.575e-05 ± 2.008e-07
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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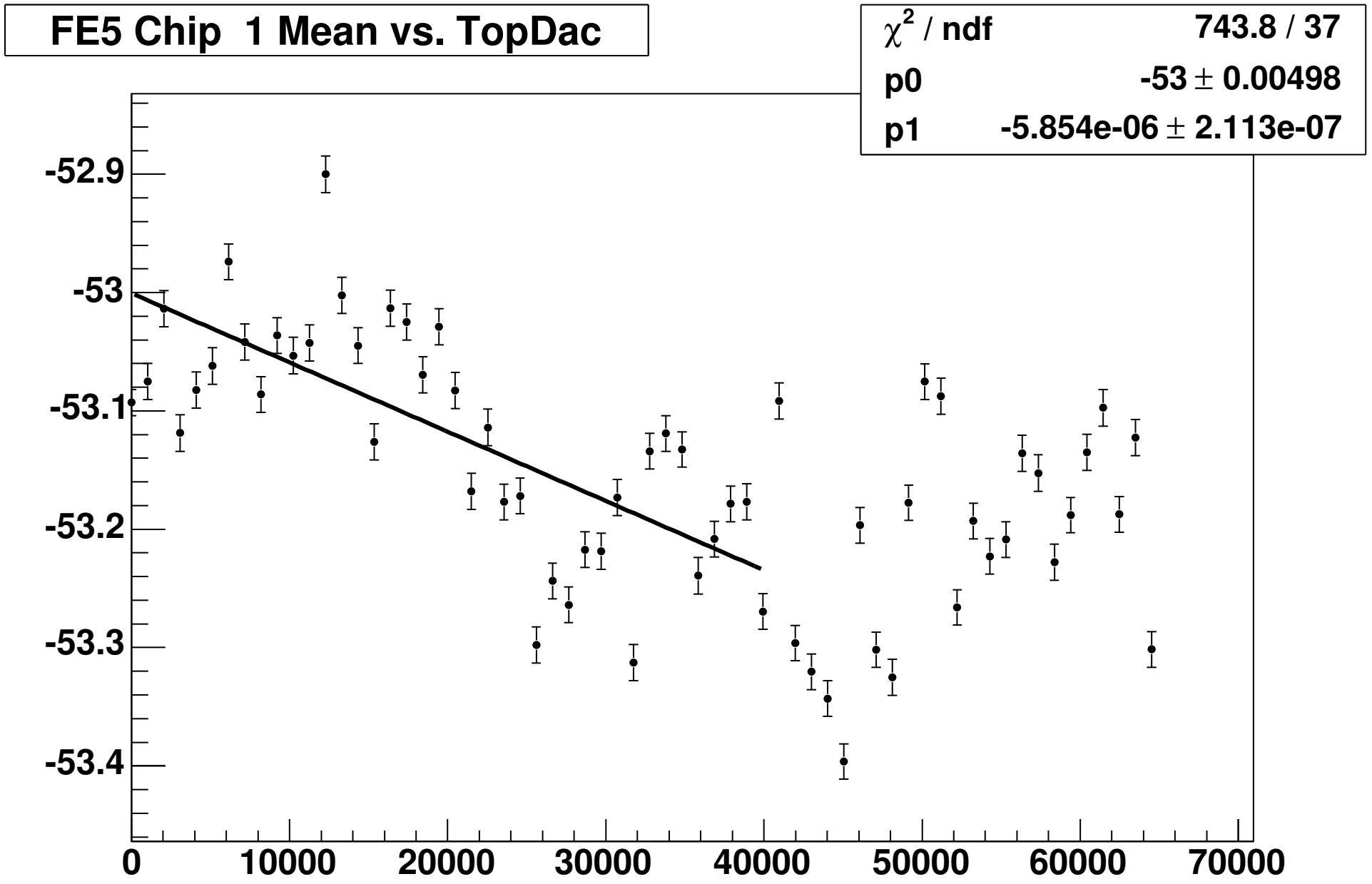
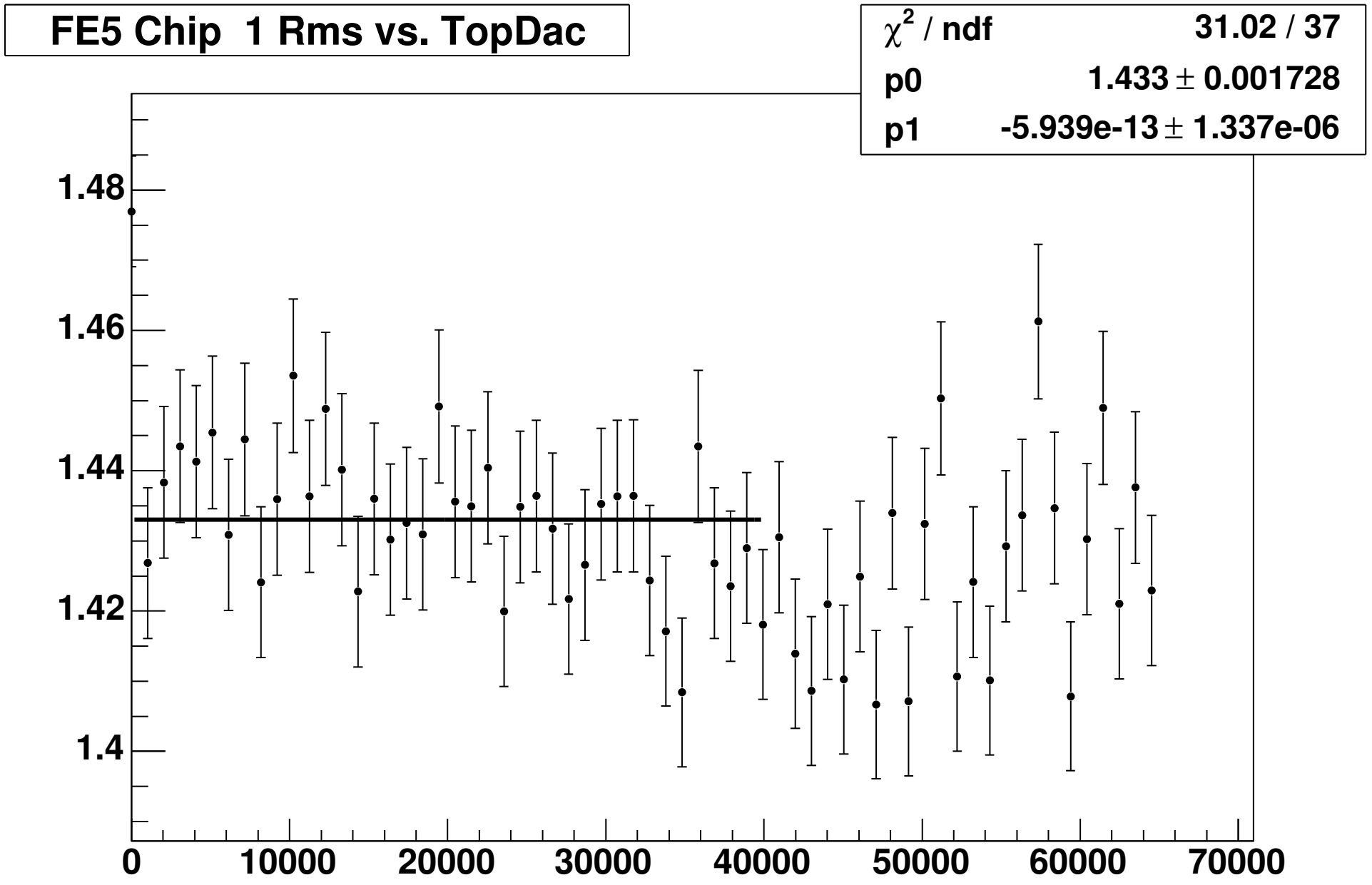
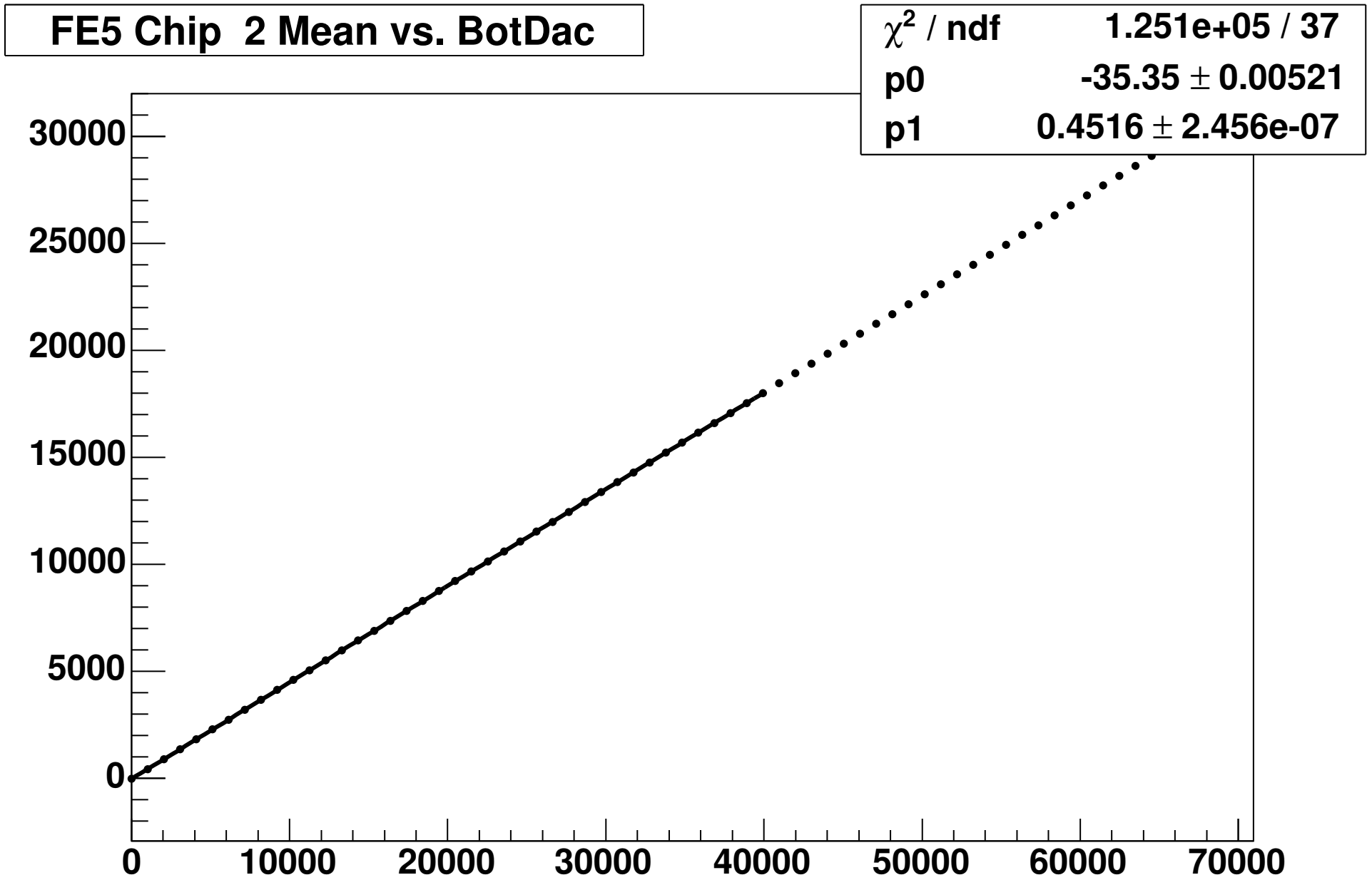
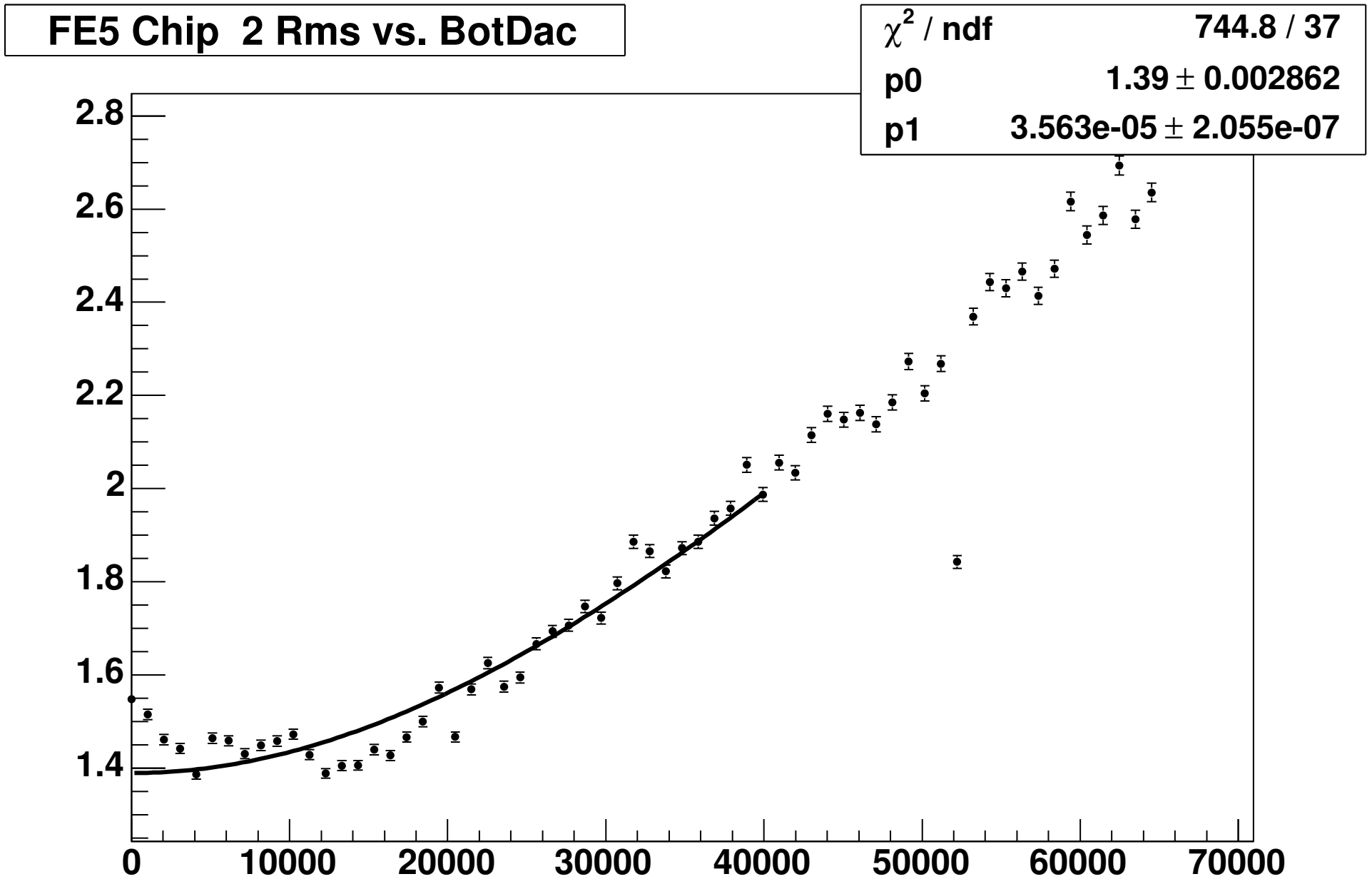

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 743.8 / 37
p0 -53 ± 0.00498
p1 -5.854e-06 ± 2.113e-07
-52.9
-53
-53.1
-53.2
-53.3
-53.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 31.02 / 37
p0 1.433 ± 0.001728
p1 -5.939e-13 ± 1.337e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.251e+05 / 37
p0 -35.35 ± 0.00521
p1 0.4516 ± 2.456e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 744.8 / 37
p0 1.39 ± 0.002862
p1 3.563e-05 ± 2.055e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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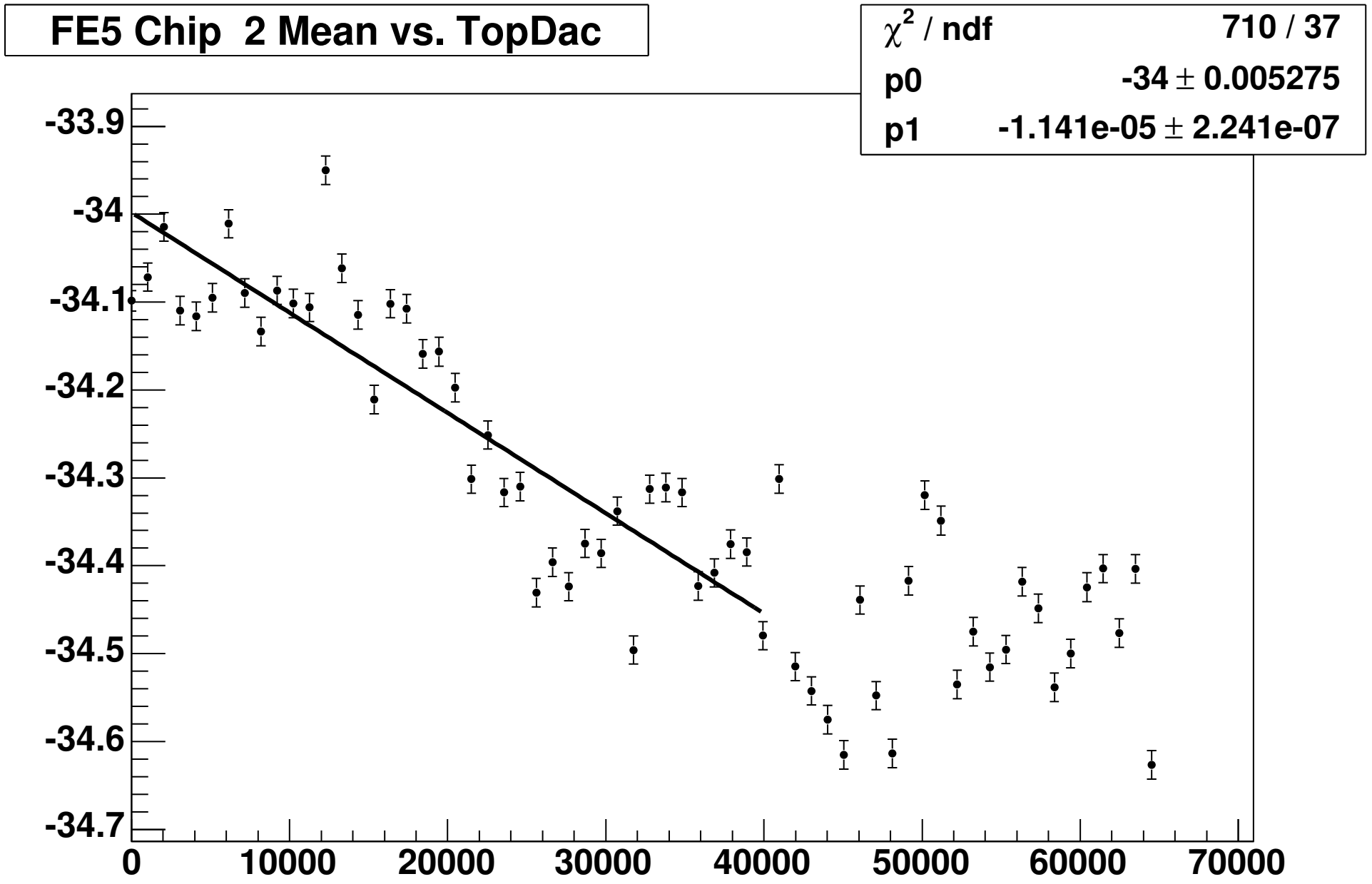
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 710 / 37
p0 -34 ± 0.005275
p1 -1.141e-05 ± 2.241e-07
-33.9
-34
-34.1
-34.2
-34.3
-34.4
-34.5
-34.6
-34.7
0
10000
20000
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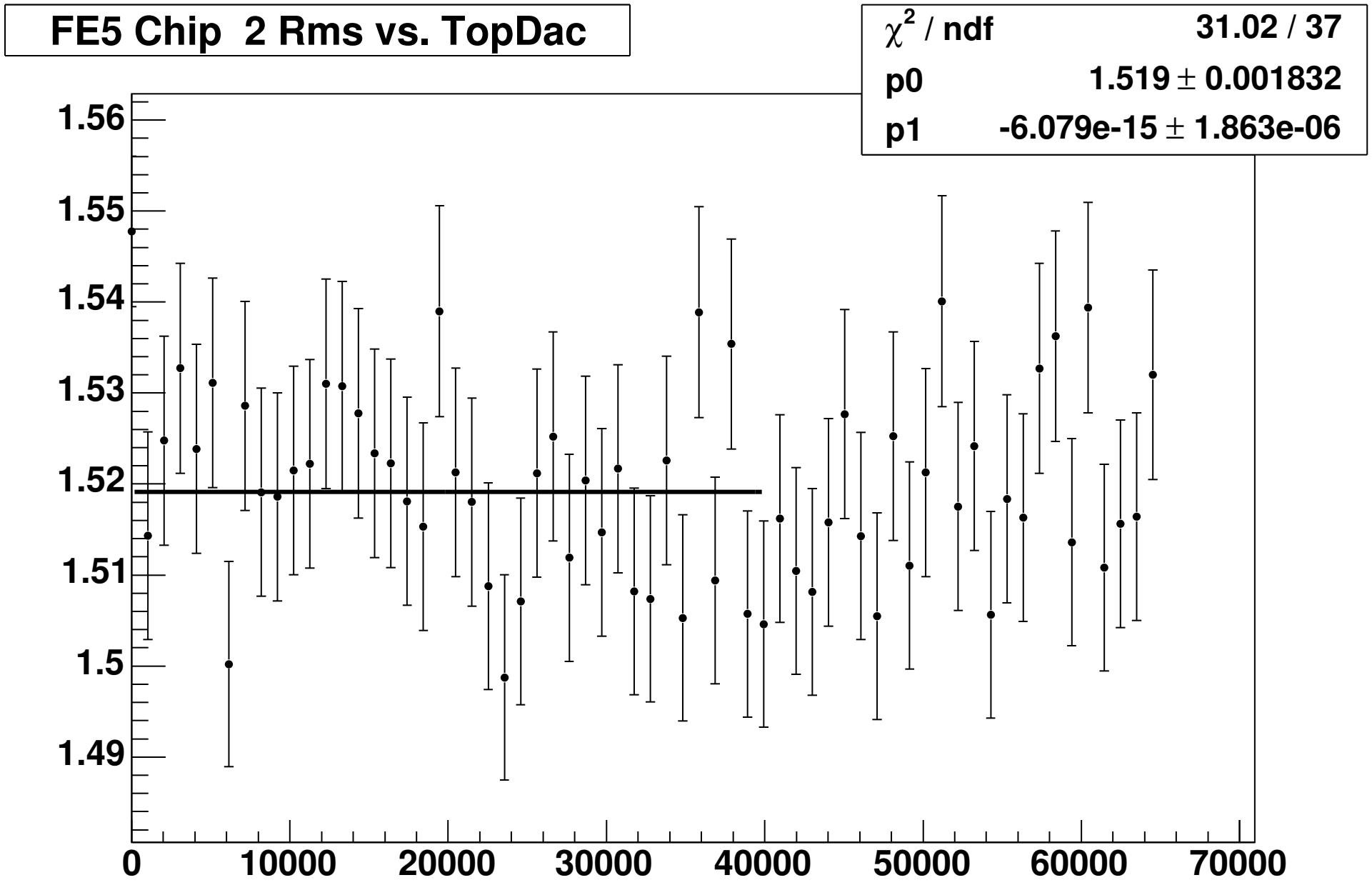
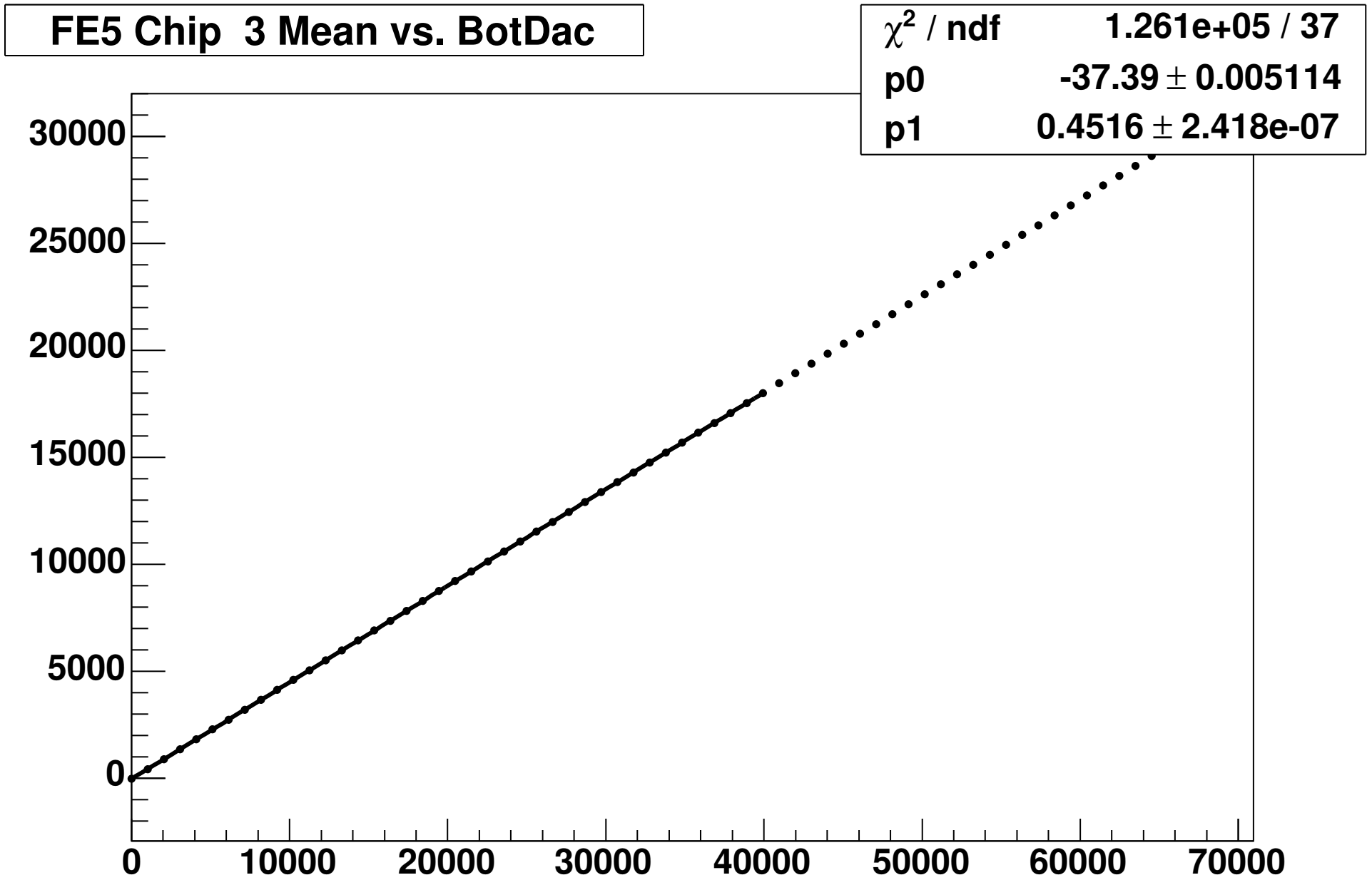
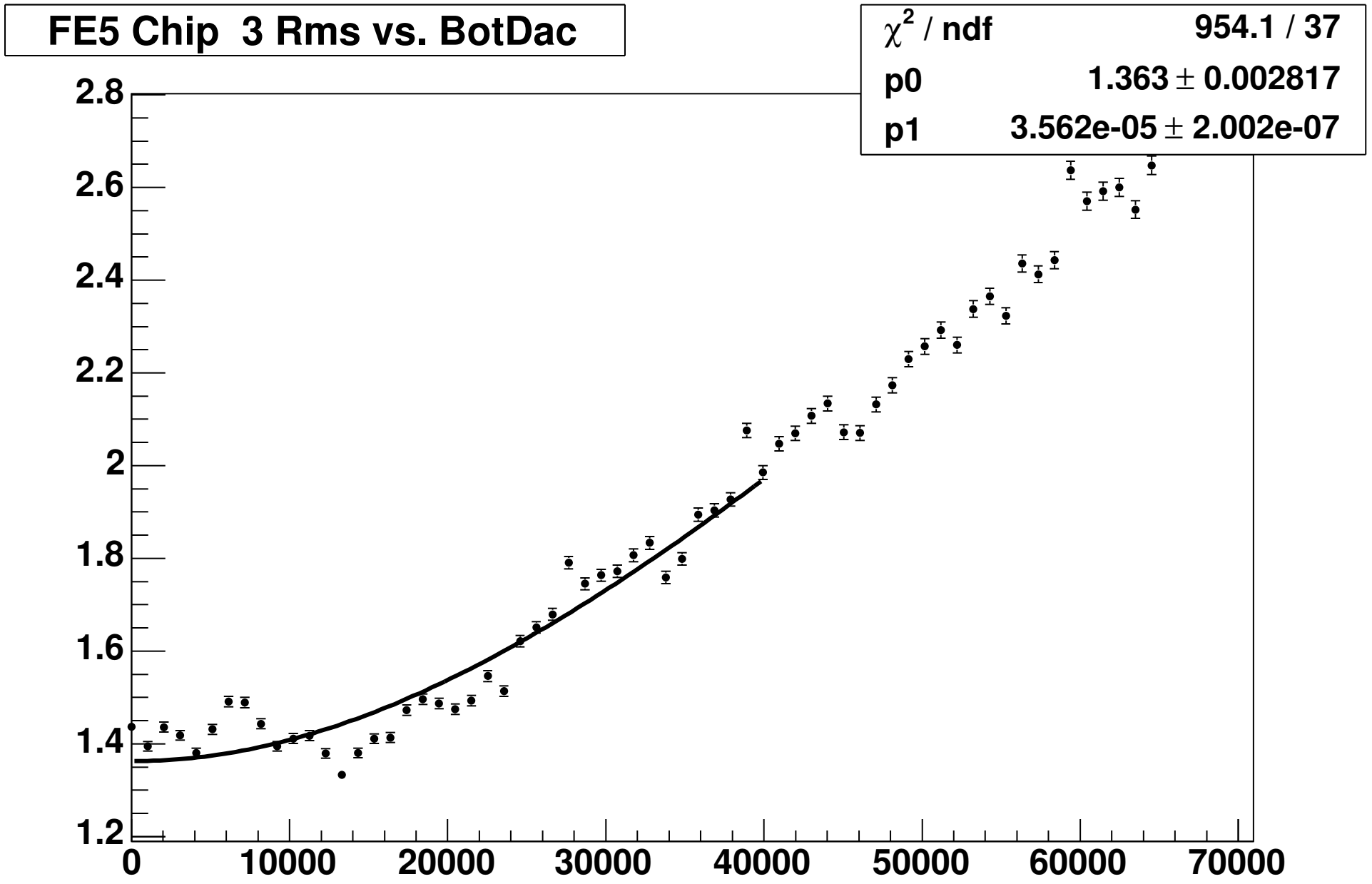
60000
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 31.02 / 37
p0 1.519 ± 0.001832
p1 -6.079e-15 ± 1.863e-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


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.261e+05 / 37
p0 -37.39 ± 0.005114
p1 0.4516 ± 2.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 954.1 / 37
p0 1.363 ± 0.002817
p1 3.562e-05 ± 2.002e-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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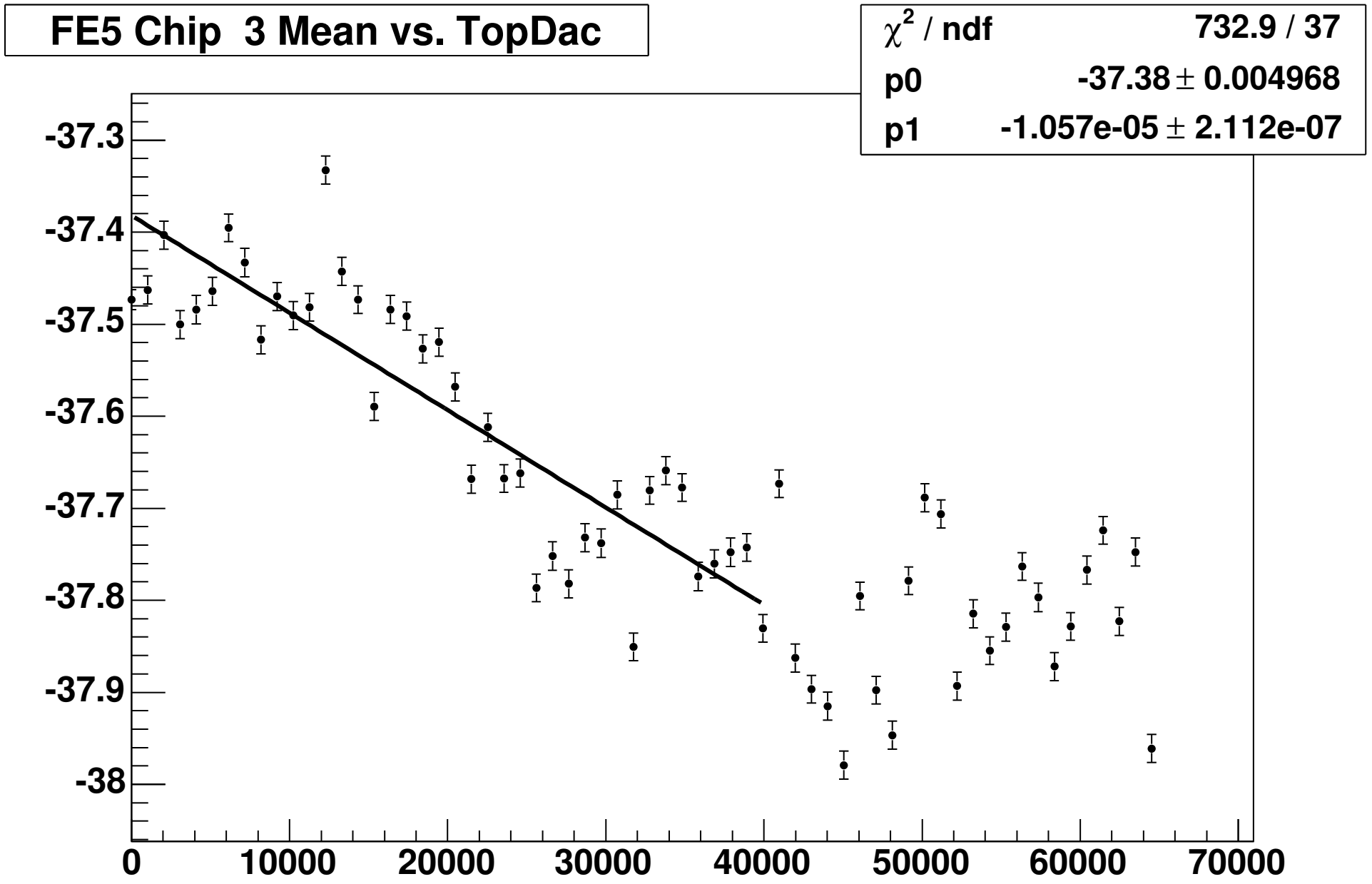
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 732.9 / 37
p0 -37.38 ± 0.004968
p1 -1.057e-05 ± 2.112e-07
-37.3
-37.4
-37.5
-37.6
-37.7
-37.8
-37.9
-38
0
10000
20000
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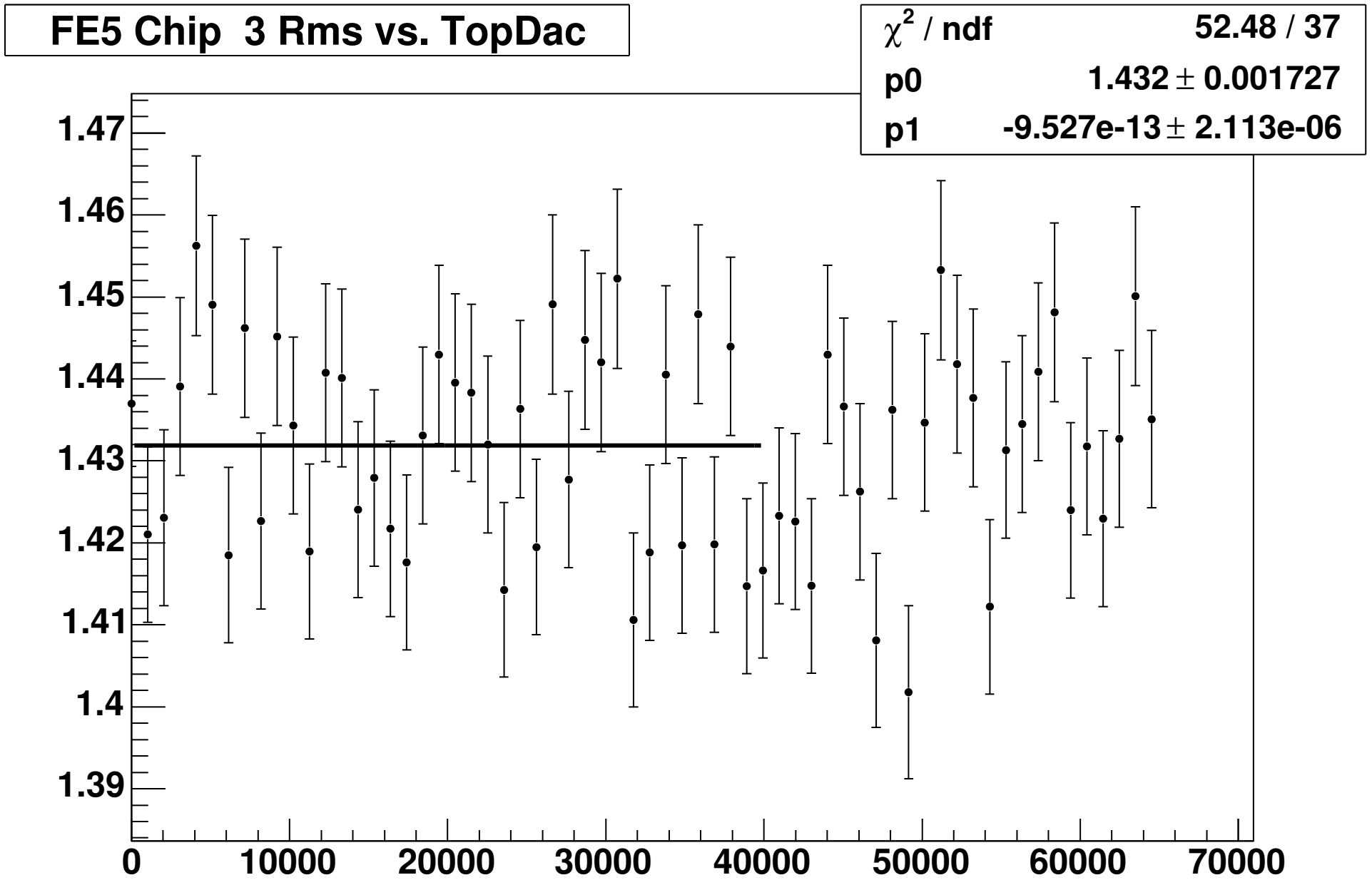
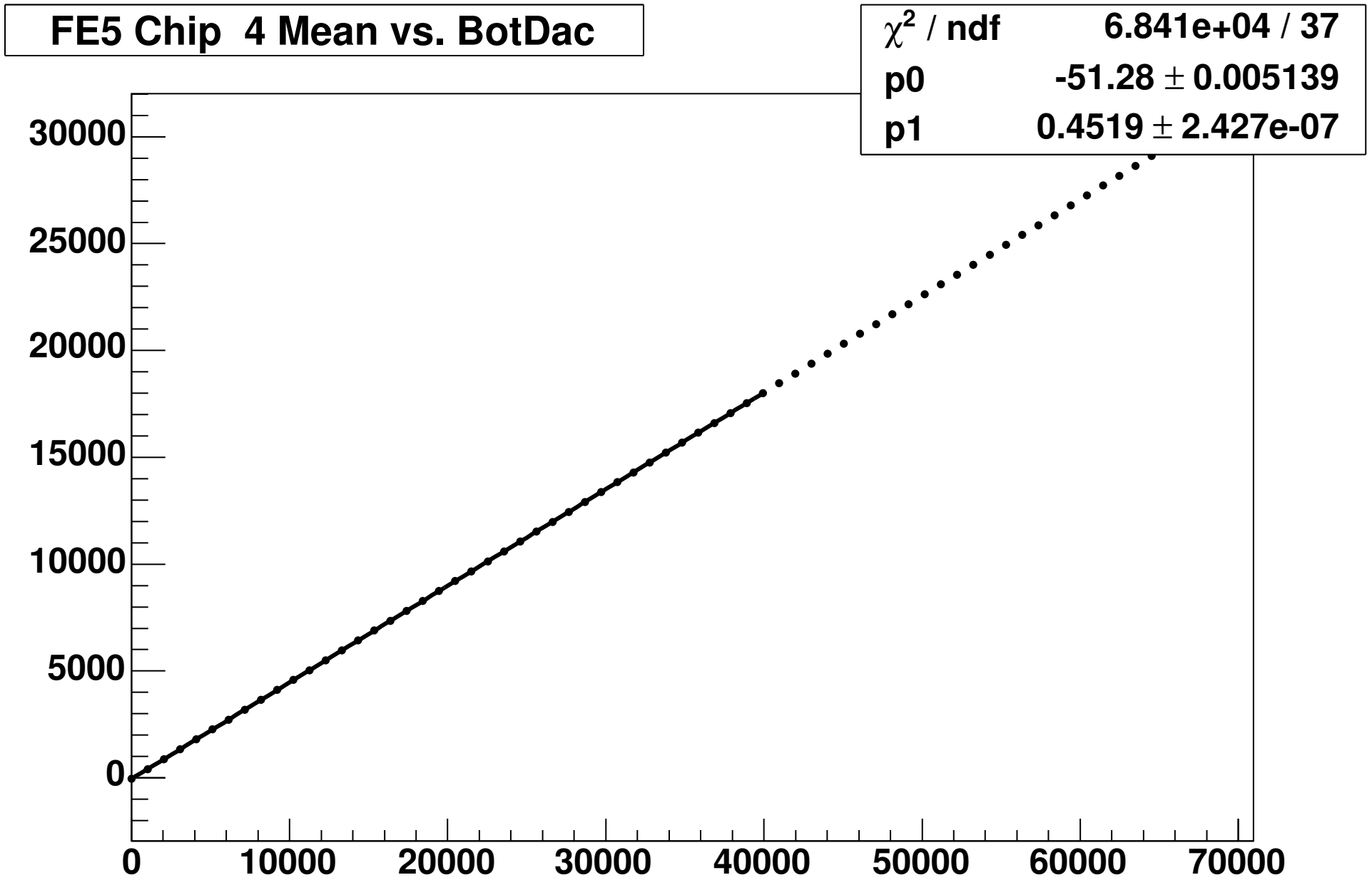
40000
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 52.48 / 37
p0 1.432 ± 0.001727
p1 -9.527e-13 ± 2.113e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 6.841e+04 / 37
p0 -51.28 ± 0.005139
p1 0.4519 ± 2.427e-07
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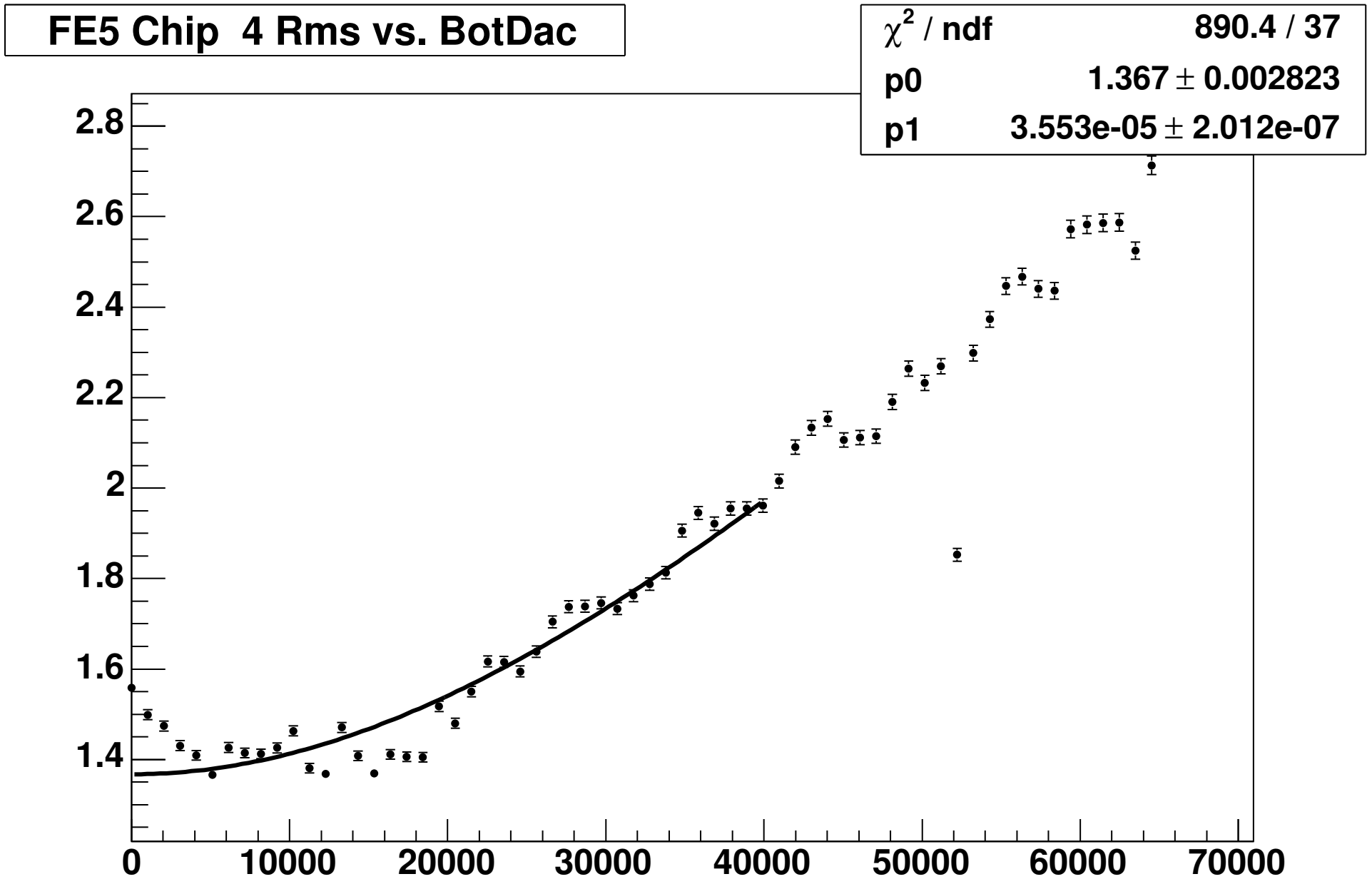
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 890.4 / 37
p0 1.367 ± 0.002823
p1 3.553e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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40000
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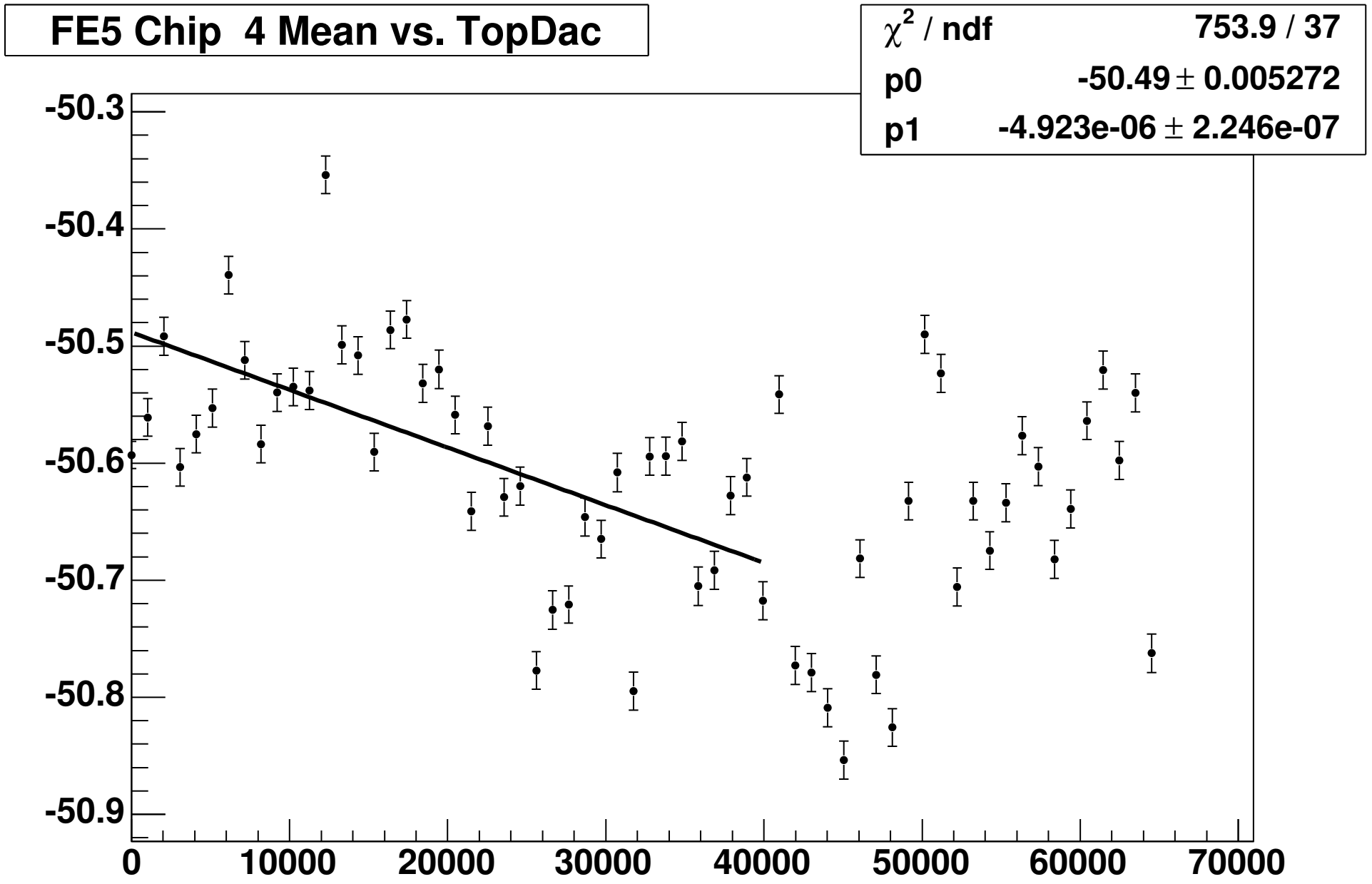
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 753.9 / 37
p0 -50.49 ± 0.005272
p1 -4.923e-06 ± 2.246e-07
-50.3
-50.4
-50.5
-50.6
-50.7
-50.8
-50.9
0
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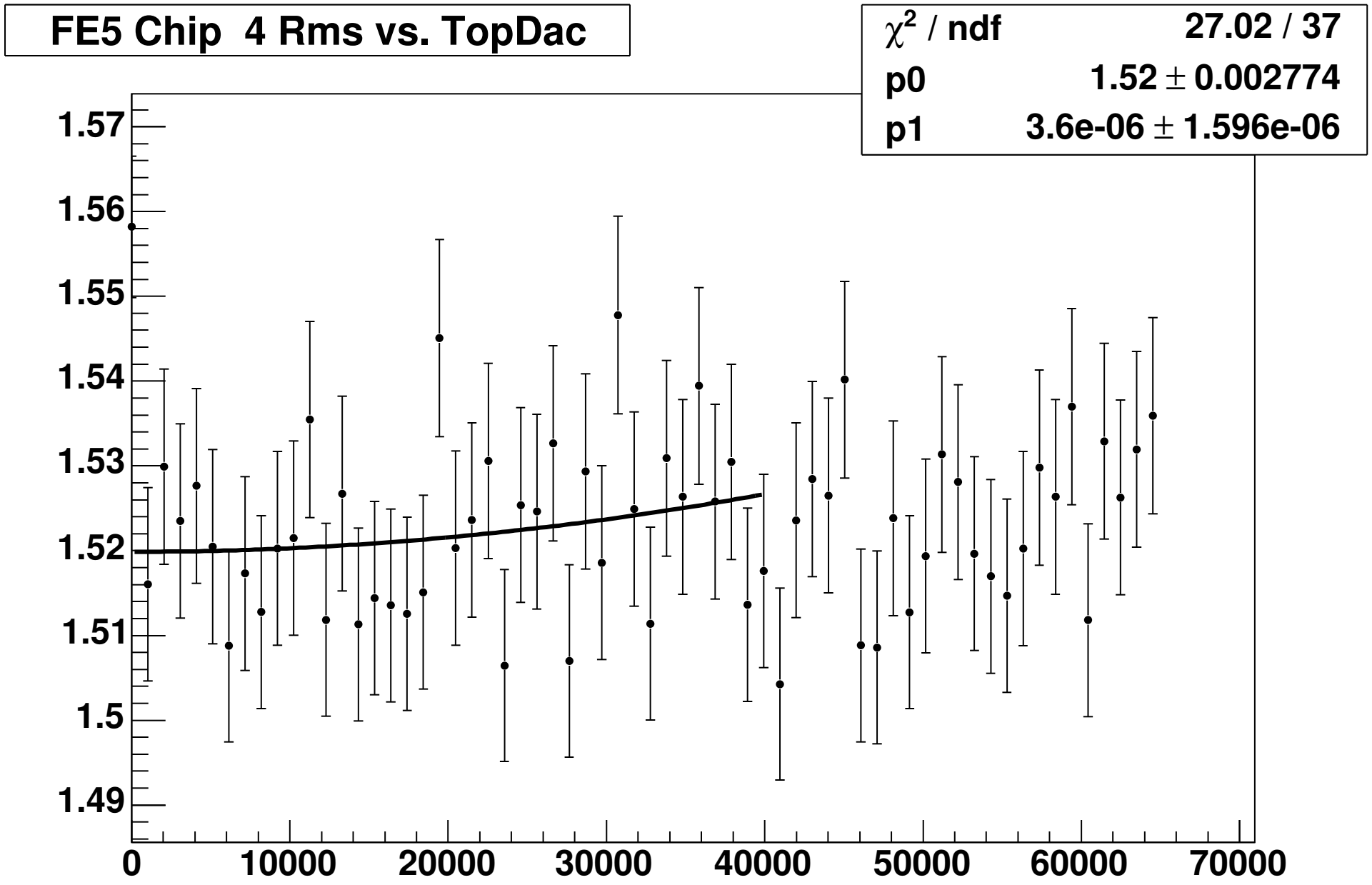
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 27.02 / 37
p0 1.52 ± 0.002774
p1 3.6e-06 ± 1.596e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
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20000
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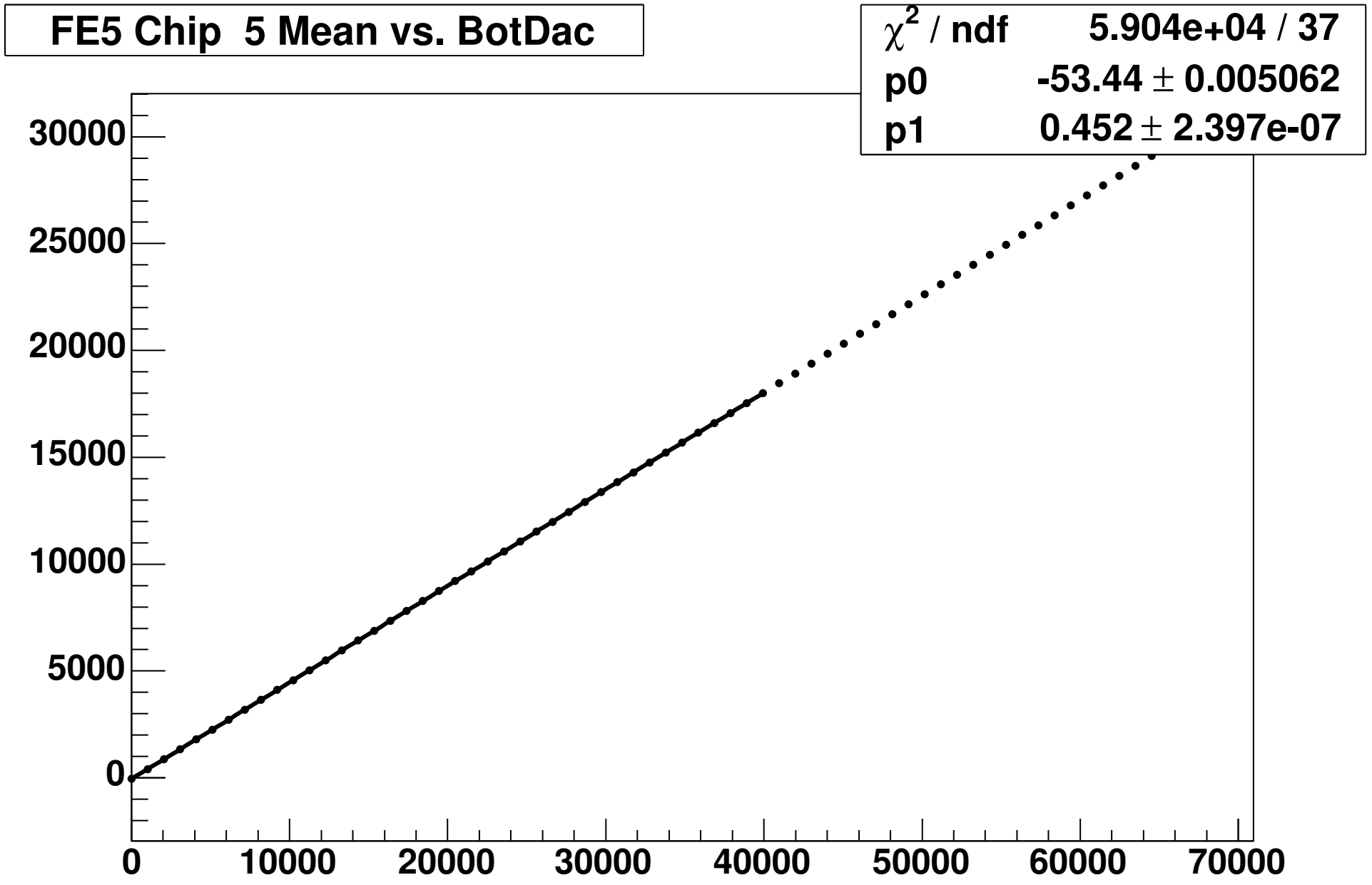
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 5.904e+04 / 37
p0 -53.44 ± 0.005062
p1 0.452 ± 2.397e-07
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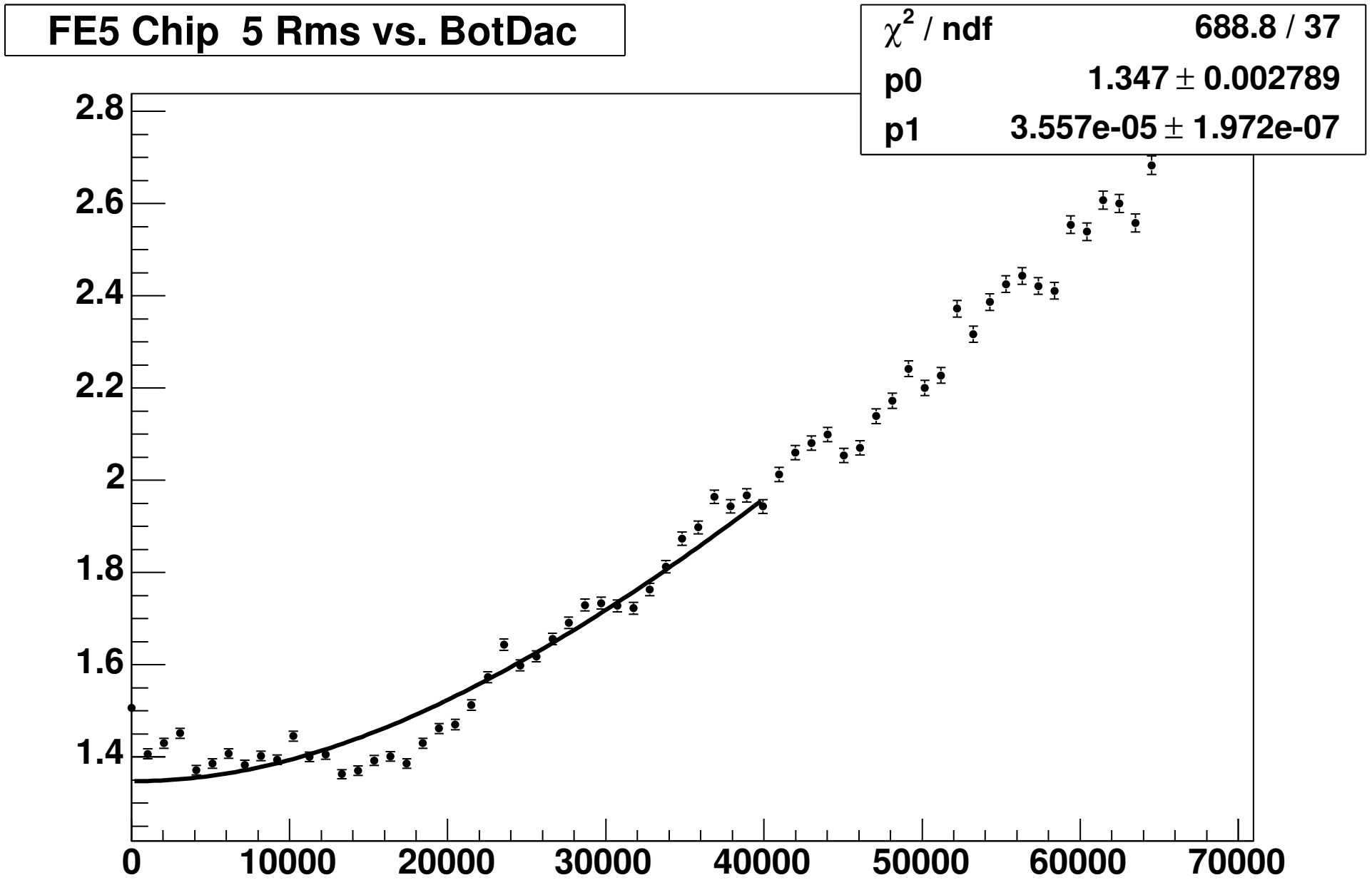
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 688.8 / 37
p0 1.347 ± 0.002789
p1 3.557e-05 ± 1.972e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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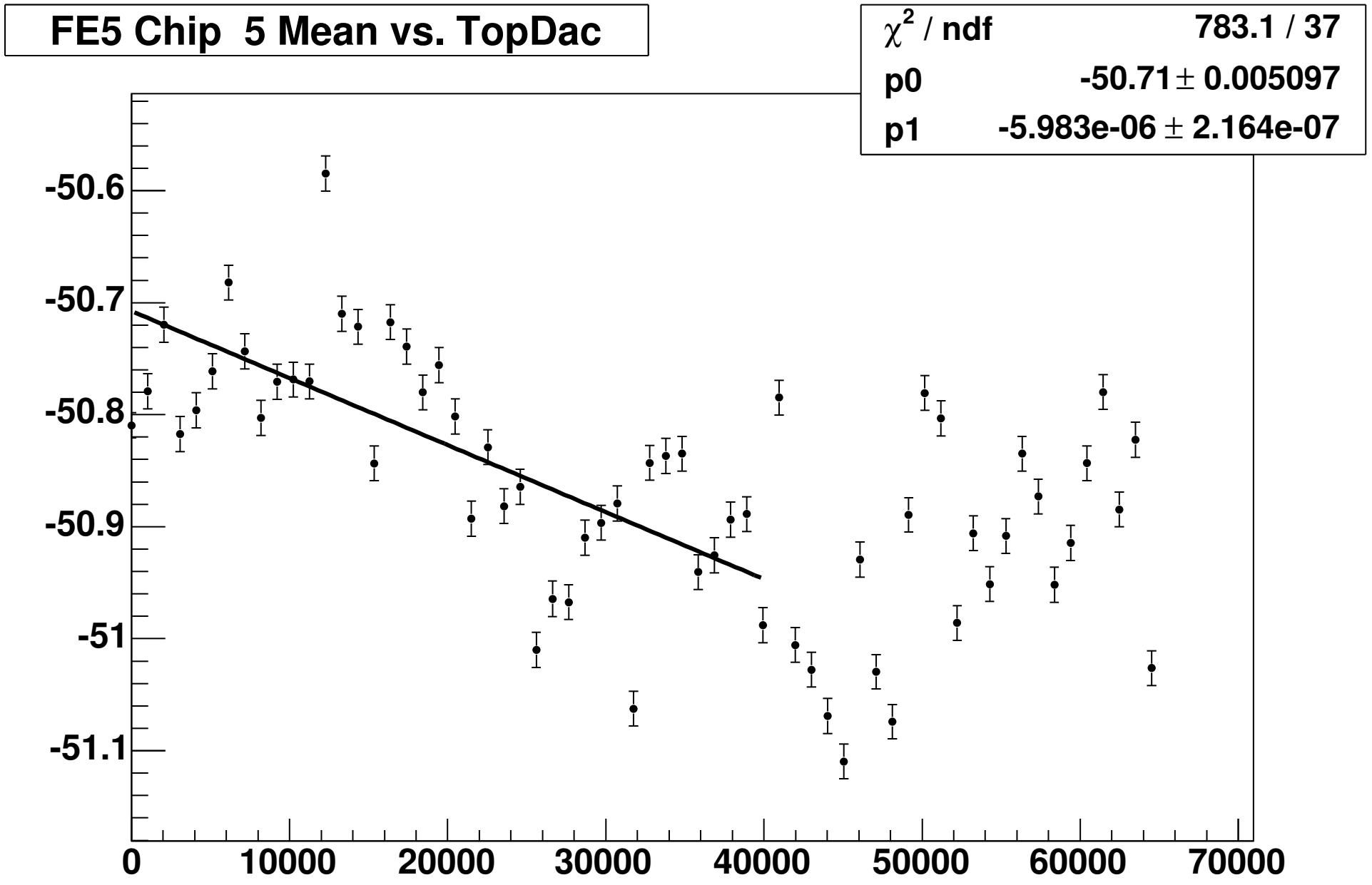
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 783.1 / 37
p0 -50.71 ± 0.005097
p1 -5.983e-06 ± 2.164e-07
-50.6
-50.7
-50.8
-50.9
-51
-51.1
0
10000
20000
30000
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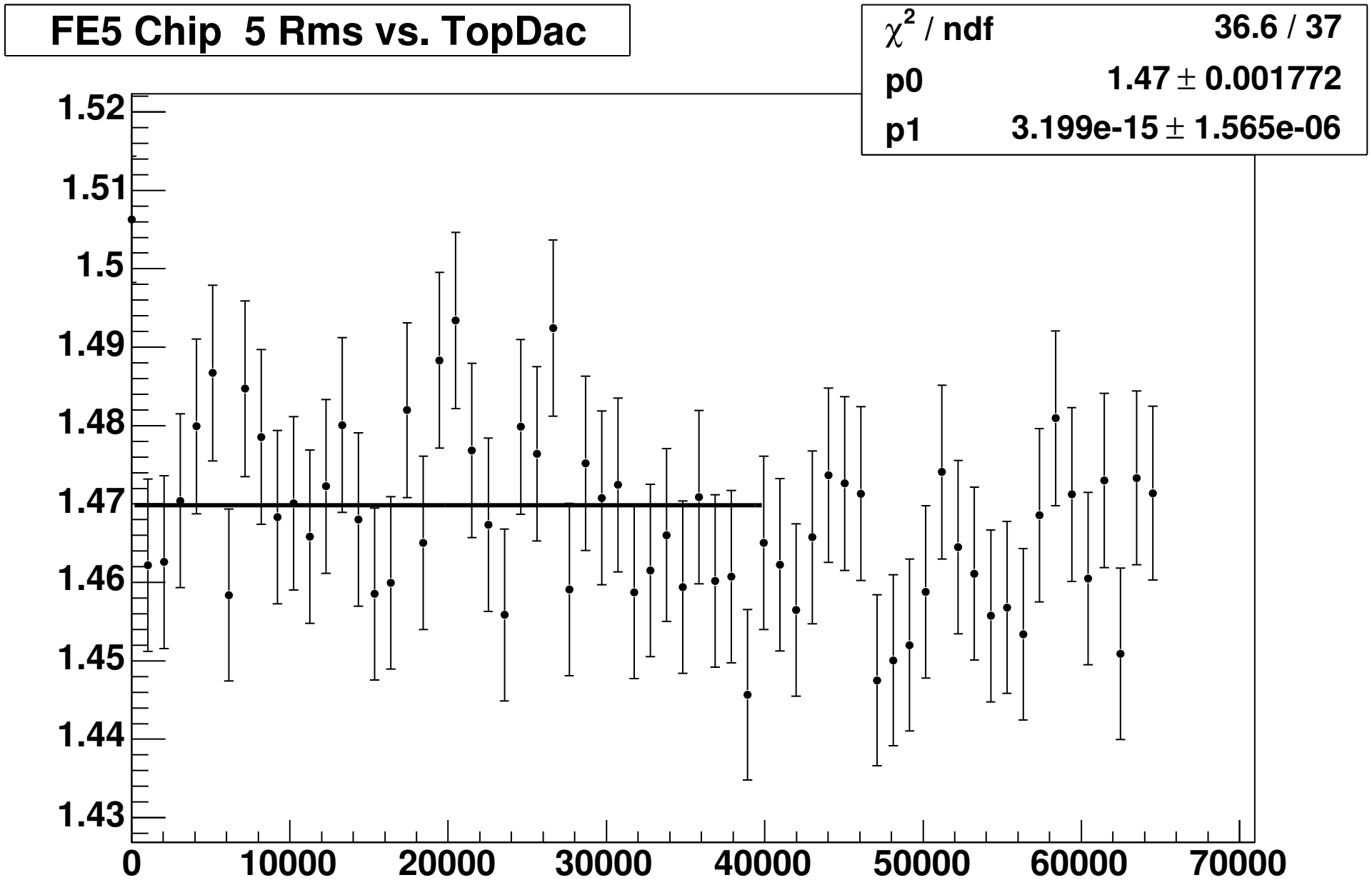
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 36.6 / 37
p0 1.47 ± 0.001772
p1 3.199e-15 ± 1.565e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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50000
60000
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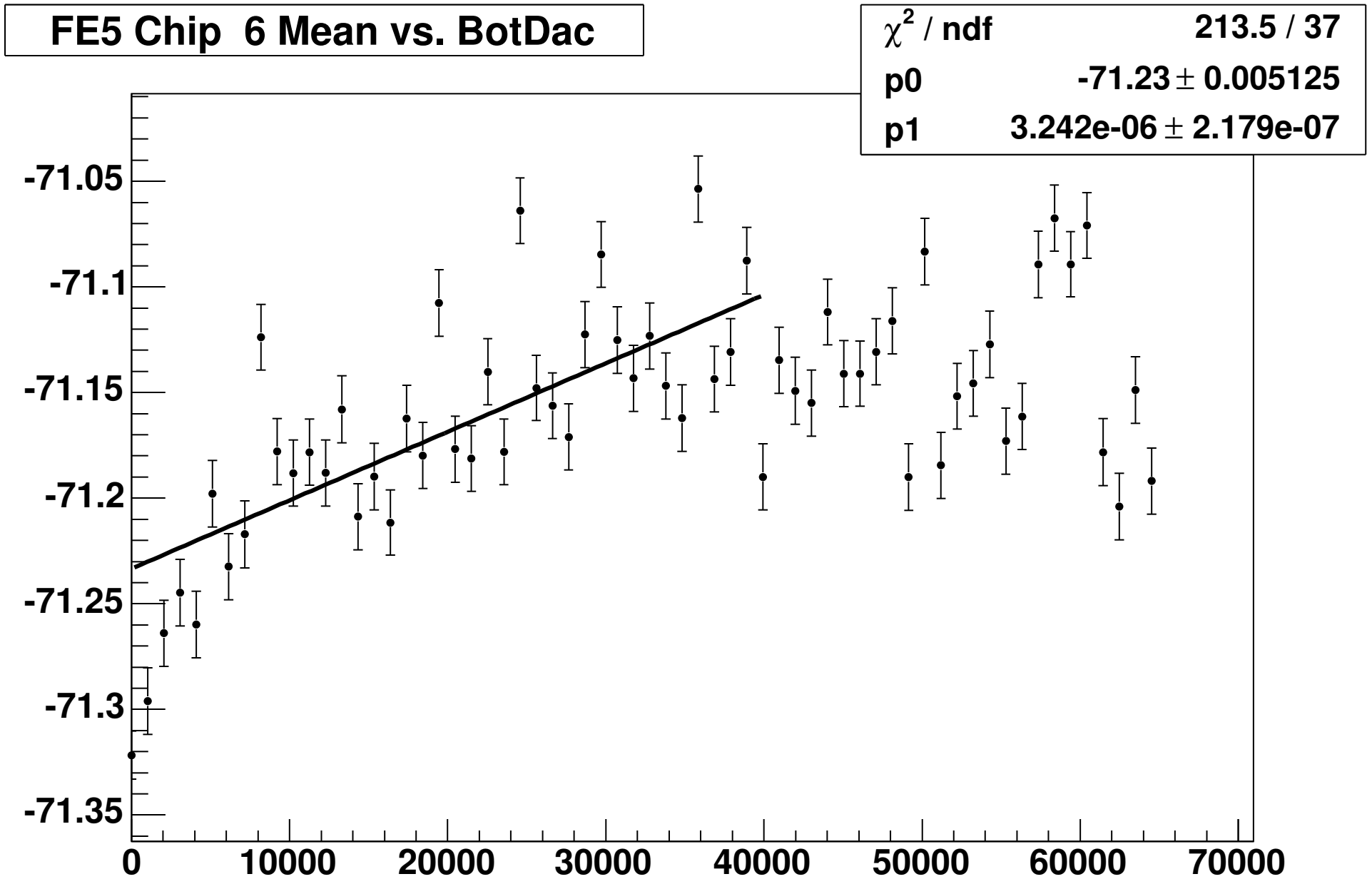
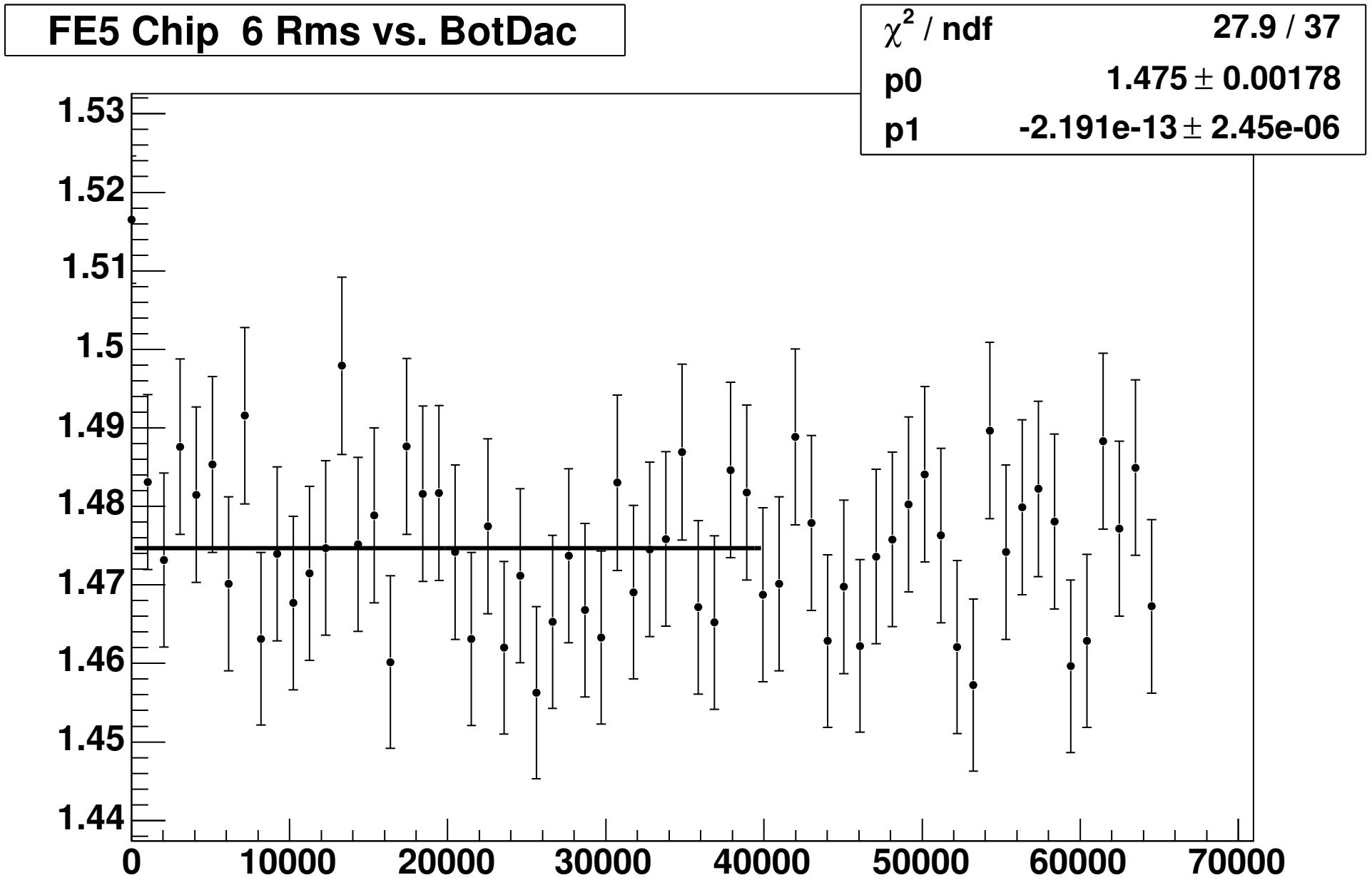
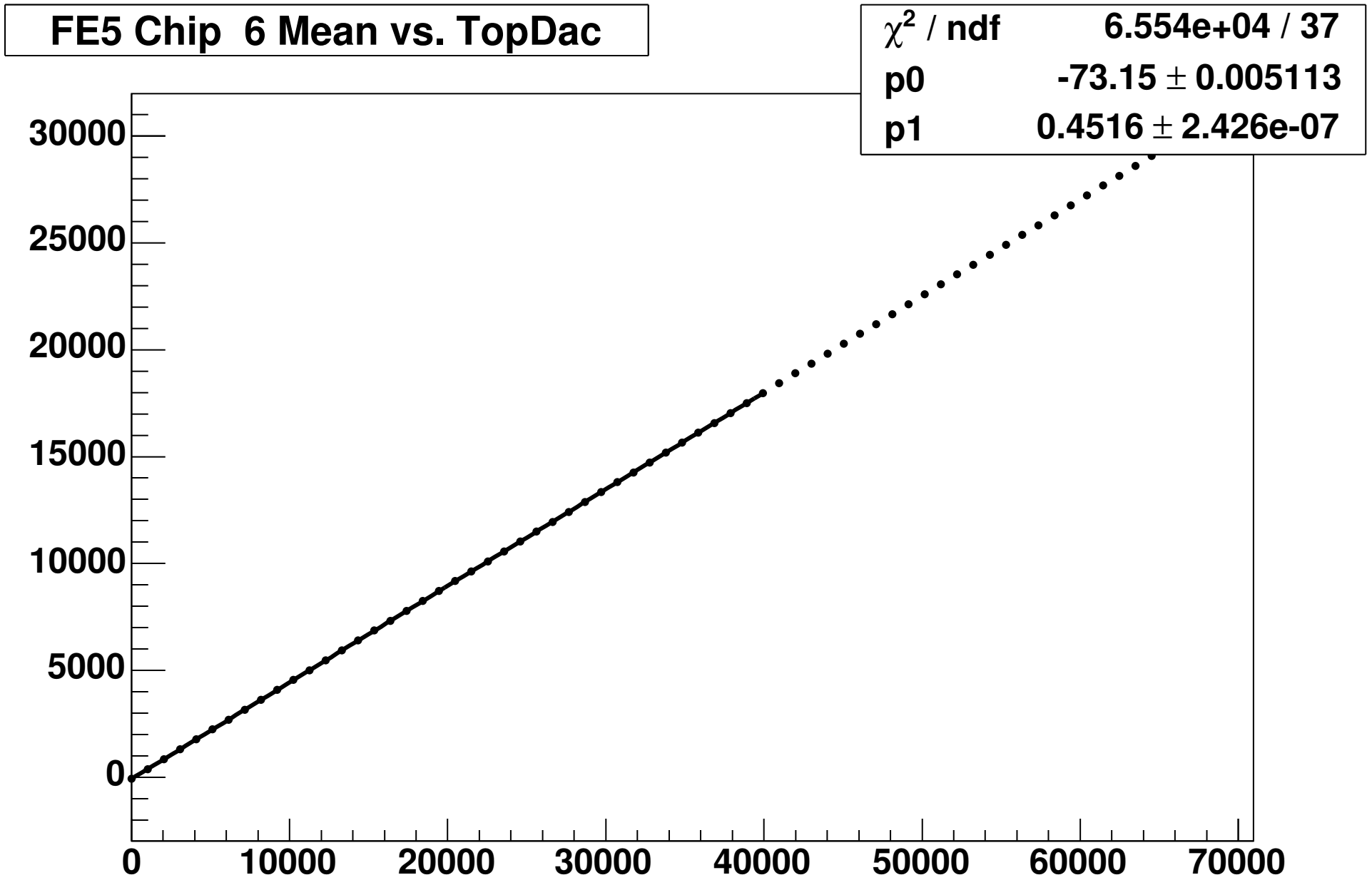

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 213.5 / 37
p0 -71.23 ± 0.005125
p1 3.242e-06 ± 2.179e-07
-71.05
-71.1
-71.15
-71.2
-71.25
-71.3
-71.35
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 27.9 / 37
p0 1.475 ± 0.00178
p1 -2.191e-13 ± 2.45e-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


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 6.554e+04 / 37
p0 -73.15 ± 0.005113
p1 0.4516 ± 2.426e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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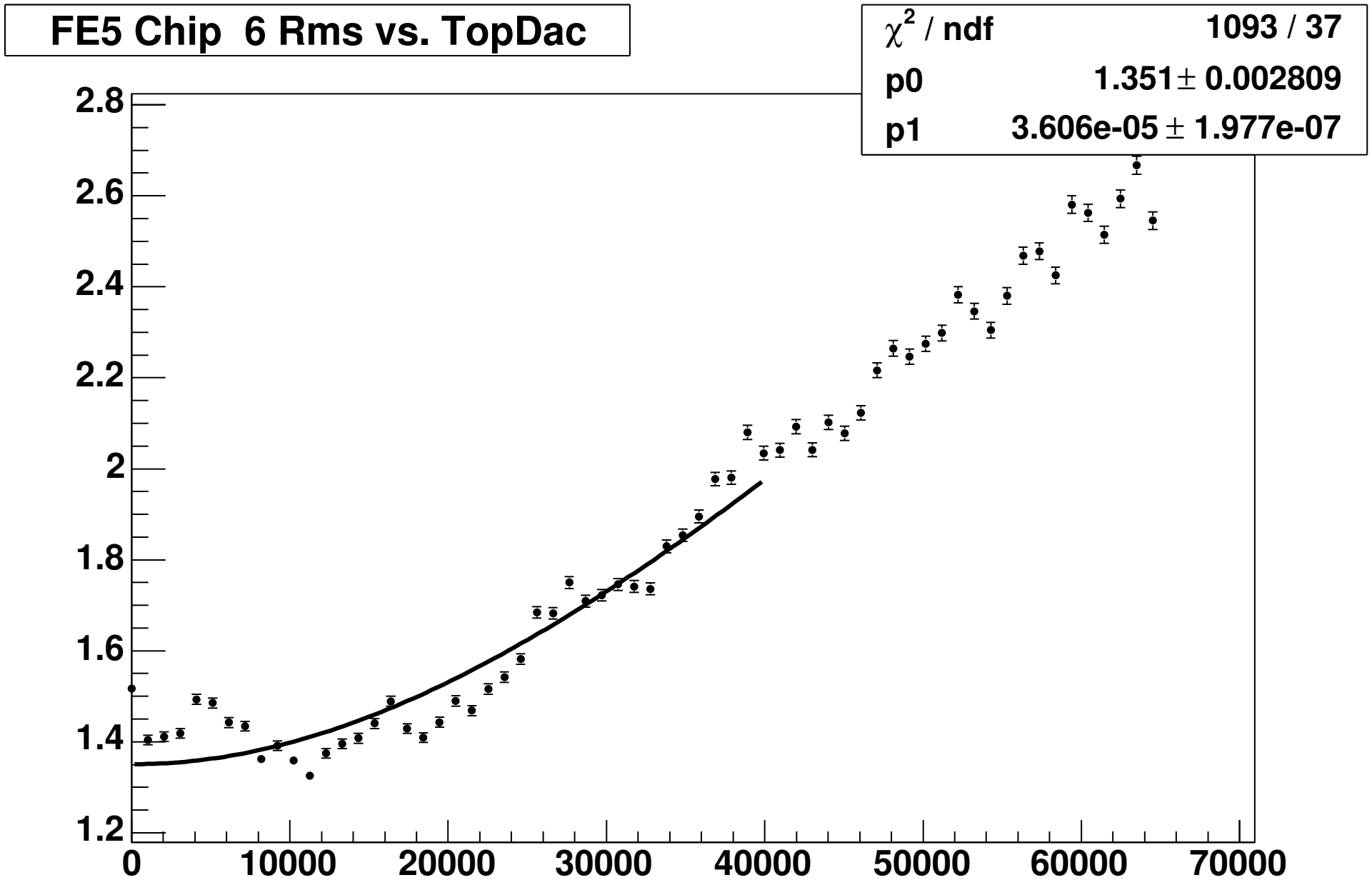
FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1093 / 37
p0 1.351 ± 0.002809
p1 3.606e-05 ± 1.977e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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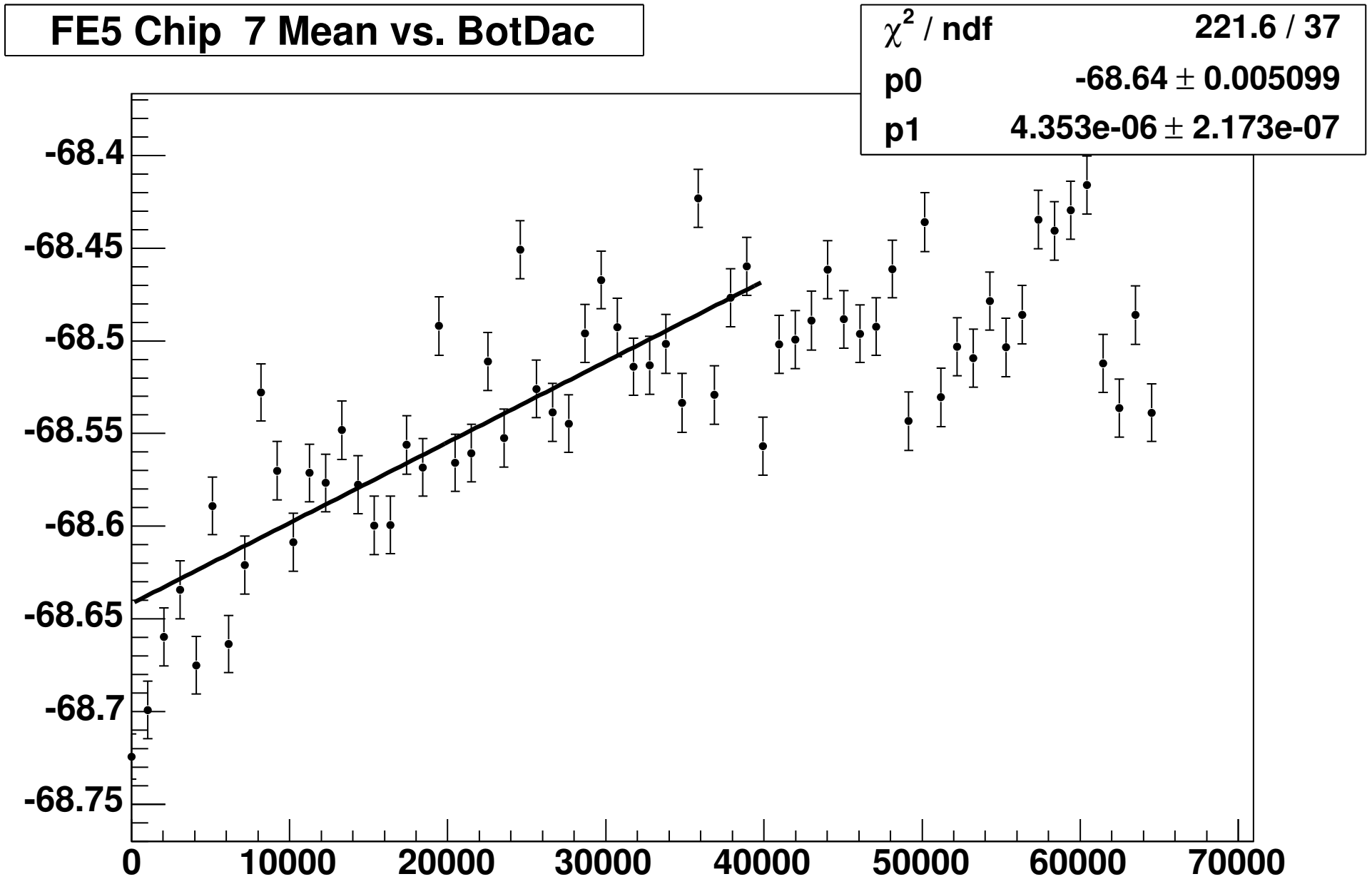
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 221.6 / 37
p0 -68.64 ± 0.005099
p1 4.353e-06 ± 2.173e-07
-68.4
-68.45
-68.5
-68.55
-68.6
-68.65
-68.7
-68.75
0
10000
20000
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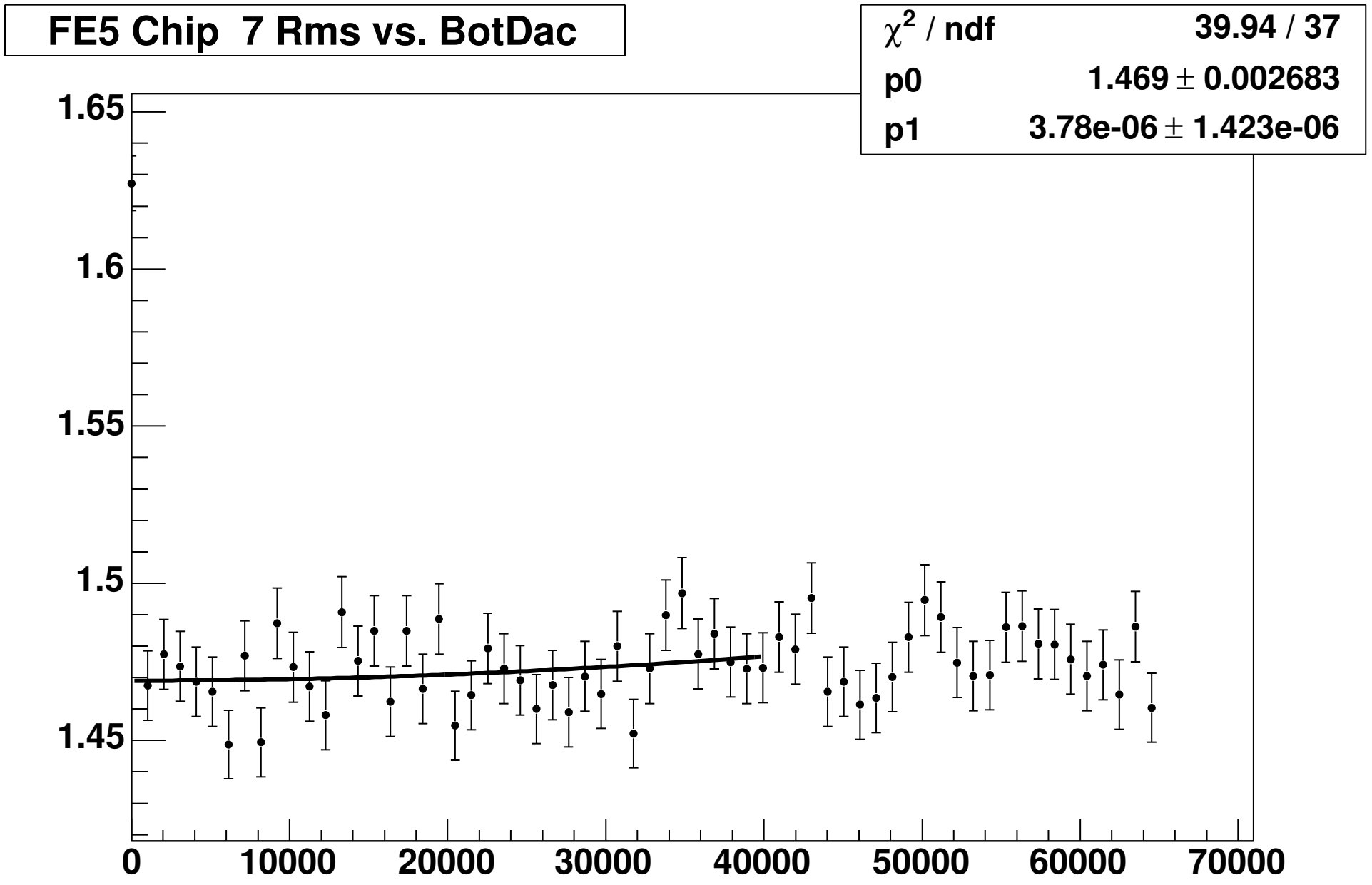
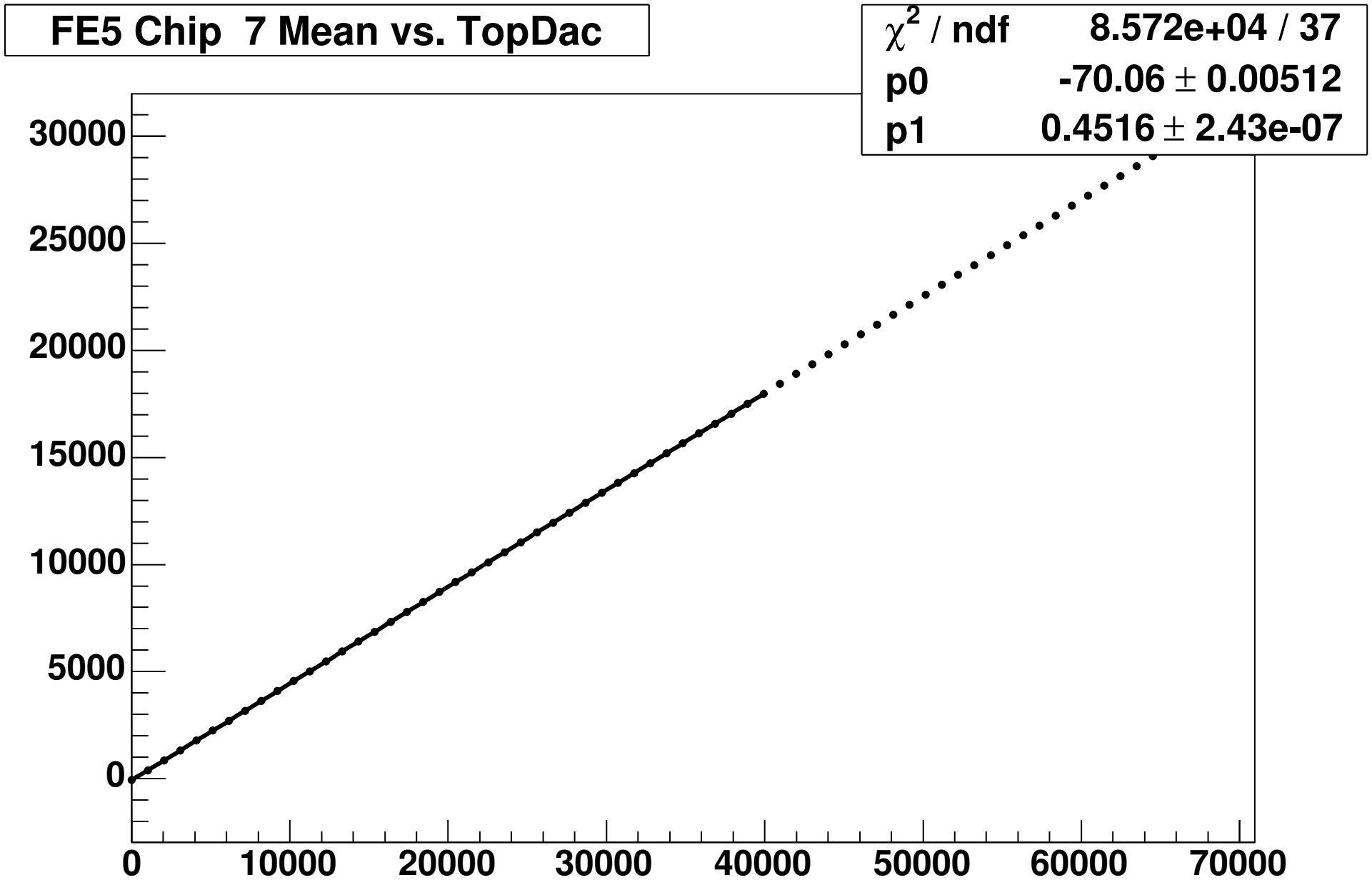
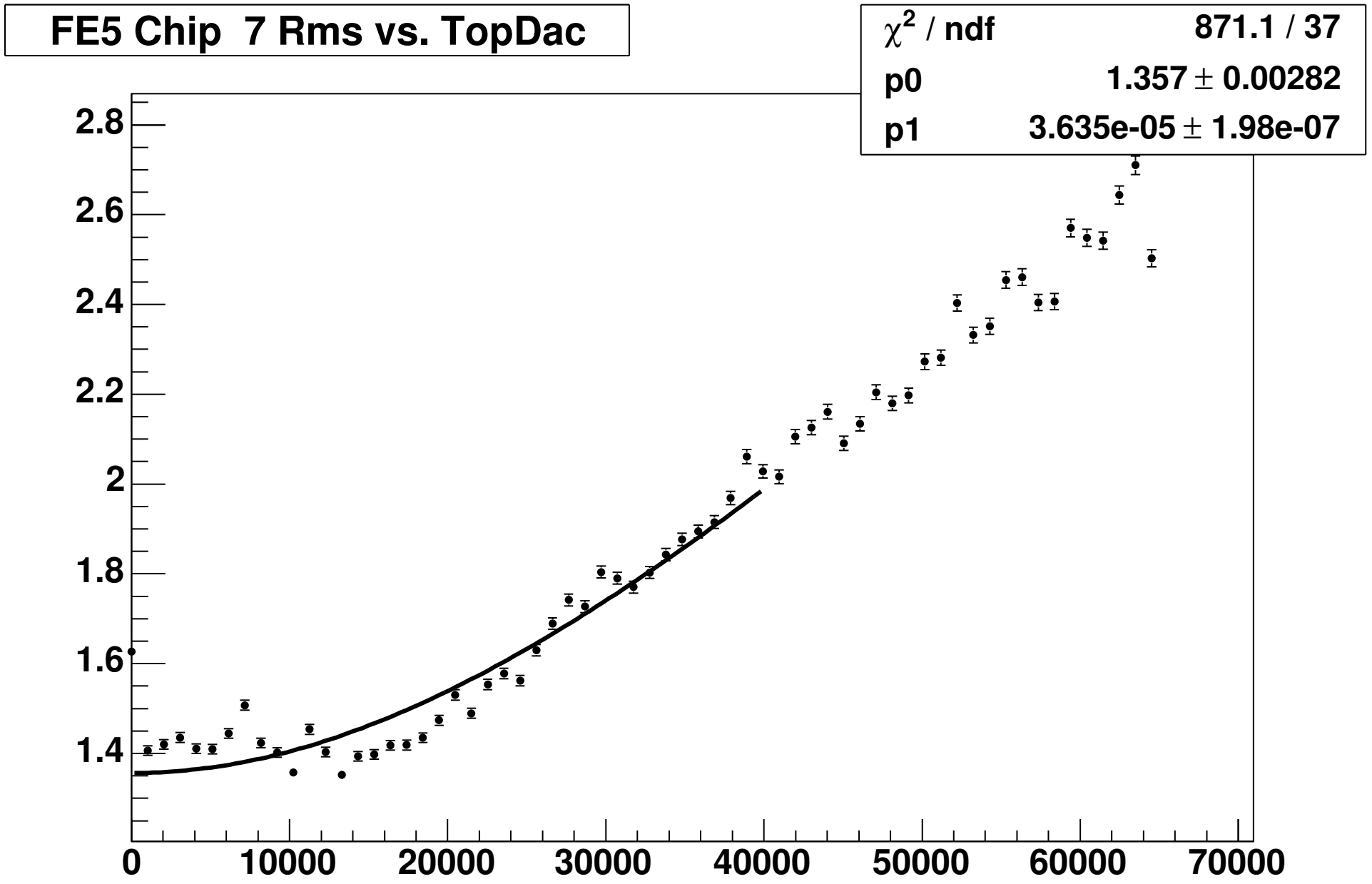
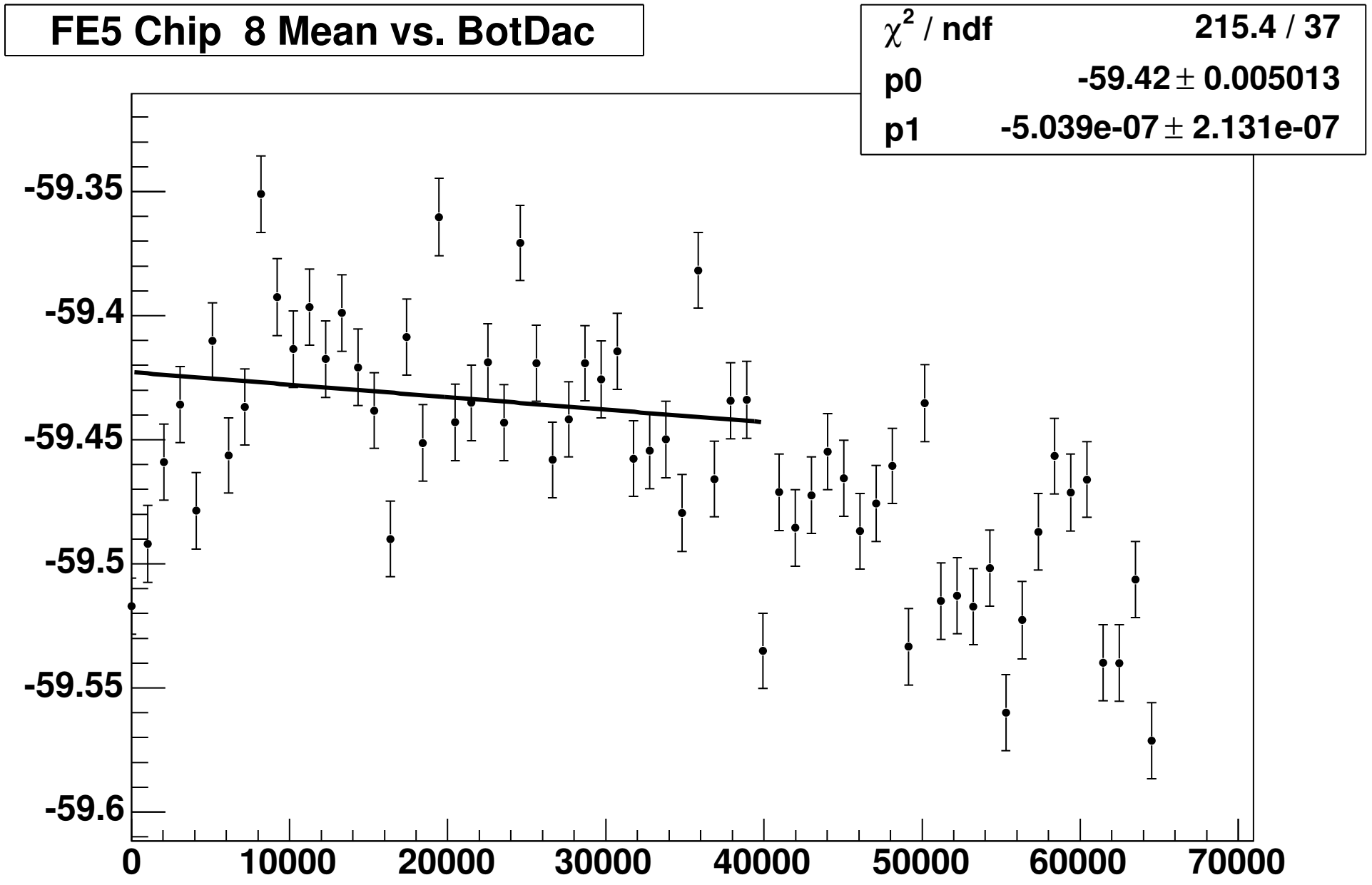

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 39.94 / 37
p0 1.469 ± 0.002683
p1 3.78e-06 ± 1.423e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 8.572e+04 / 37
p0 -70.06 ± 0.00512
p1 0.4516 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 871.1 / 37
p0 1.357 ± 0.00282
p1 3.635e-05 ± 1.98e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 215.4 / 37
p0 -59.42 ± 0.005013
p1 -5.039e-07 ± 2.131e-07
-59.35
-59.4
-59.45
-59.5
-59.55
-59.6
0
10000
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30000
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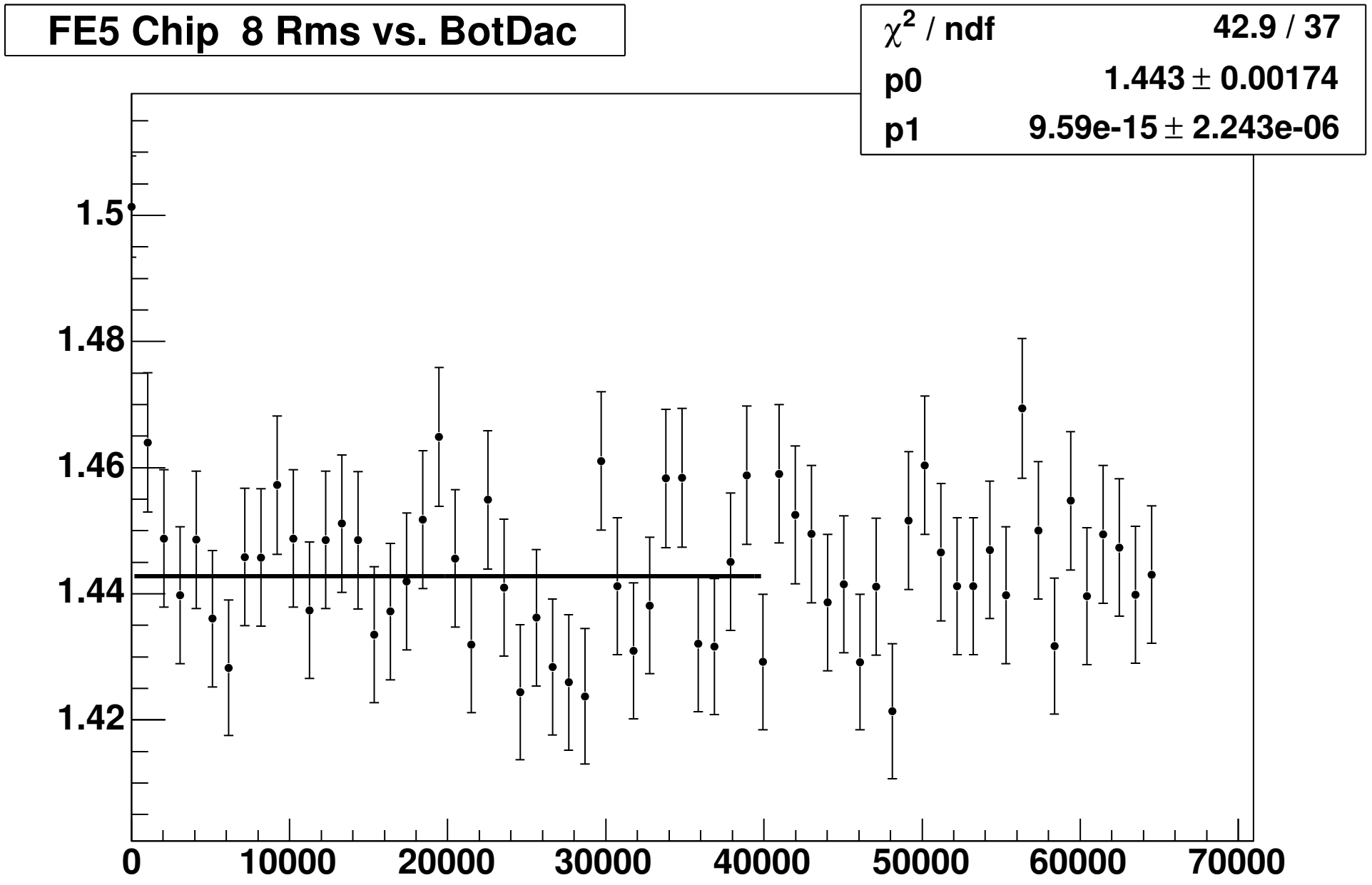
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 42.9 / 37
p0 1.443 ± 0.00174
p1 9.59e-15 ± 2.243e-06
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1.48
1.46
1.44
1.42
0
10000
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60000
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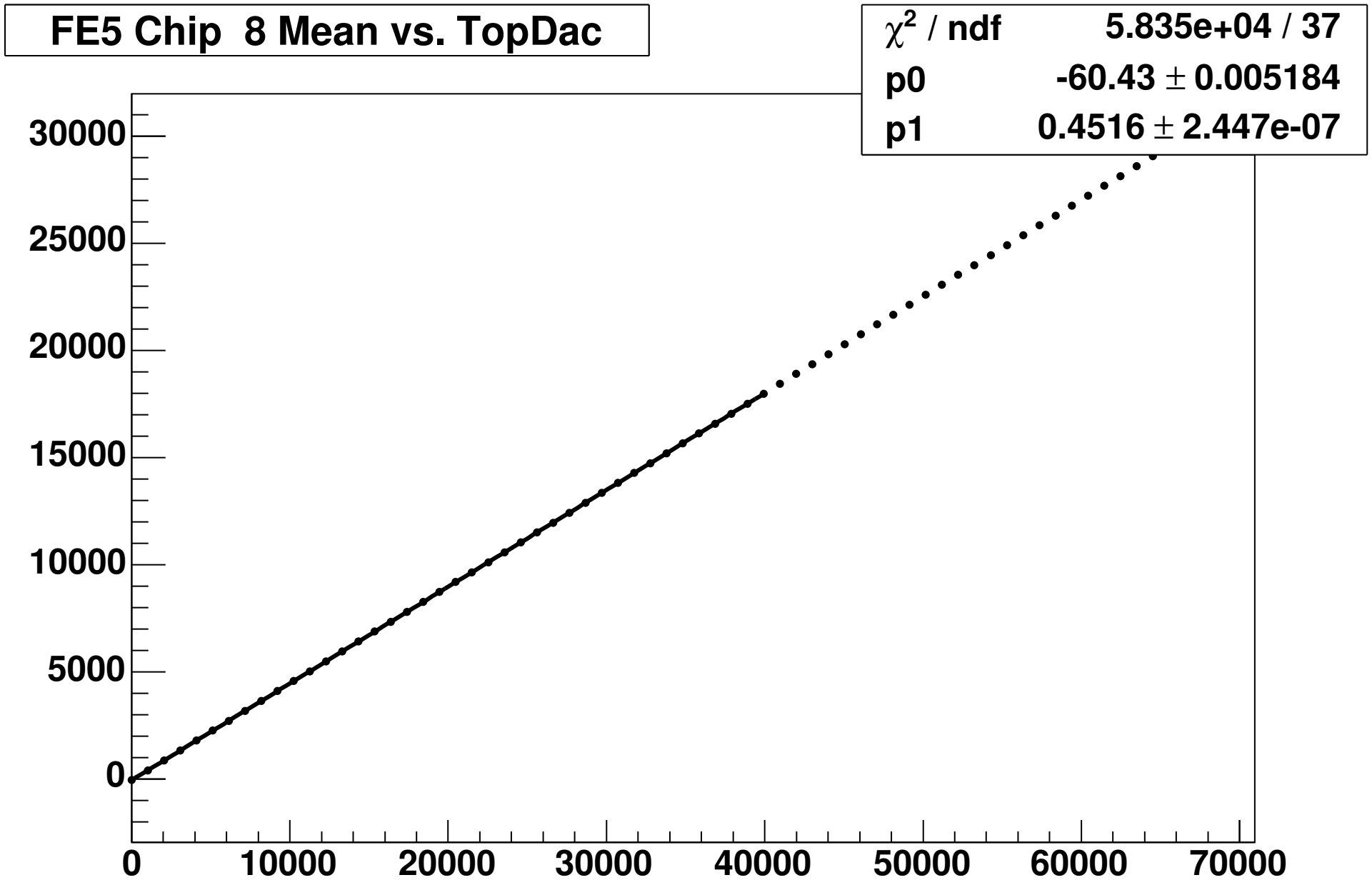
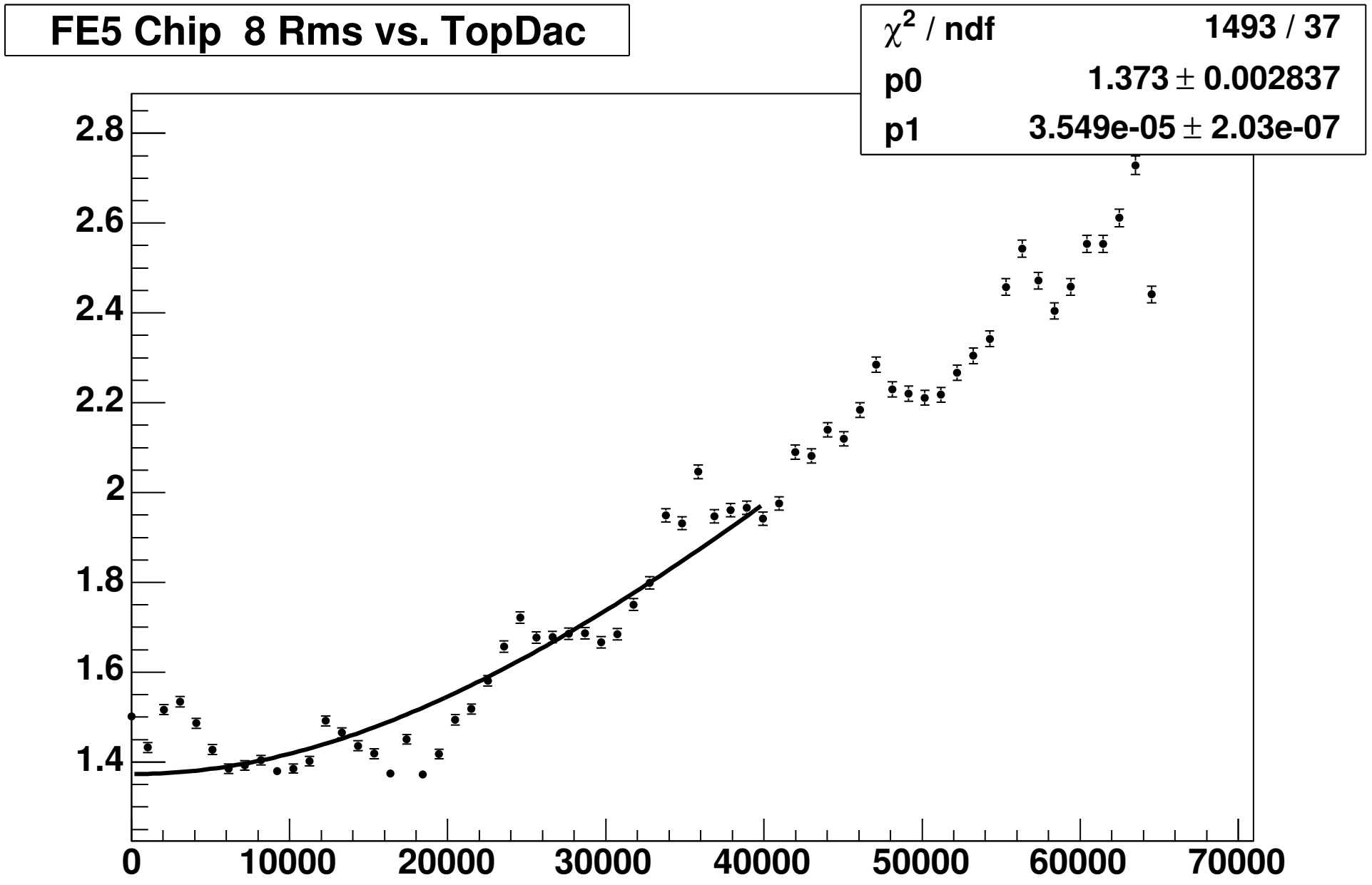

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.835e+04 / 37
p0 -60.43 ± 0.005184
p1 0.4516 ± 2.447e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1493 / 37
p0 1.373 ± 0.002837
p1 3.549e-05 ± 2.03e-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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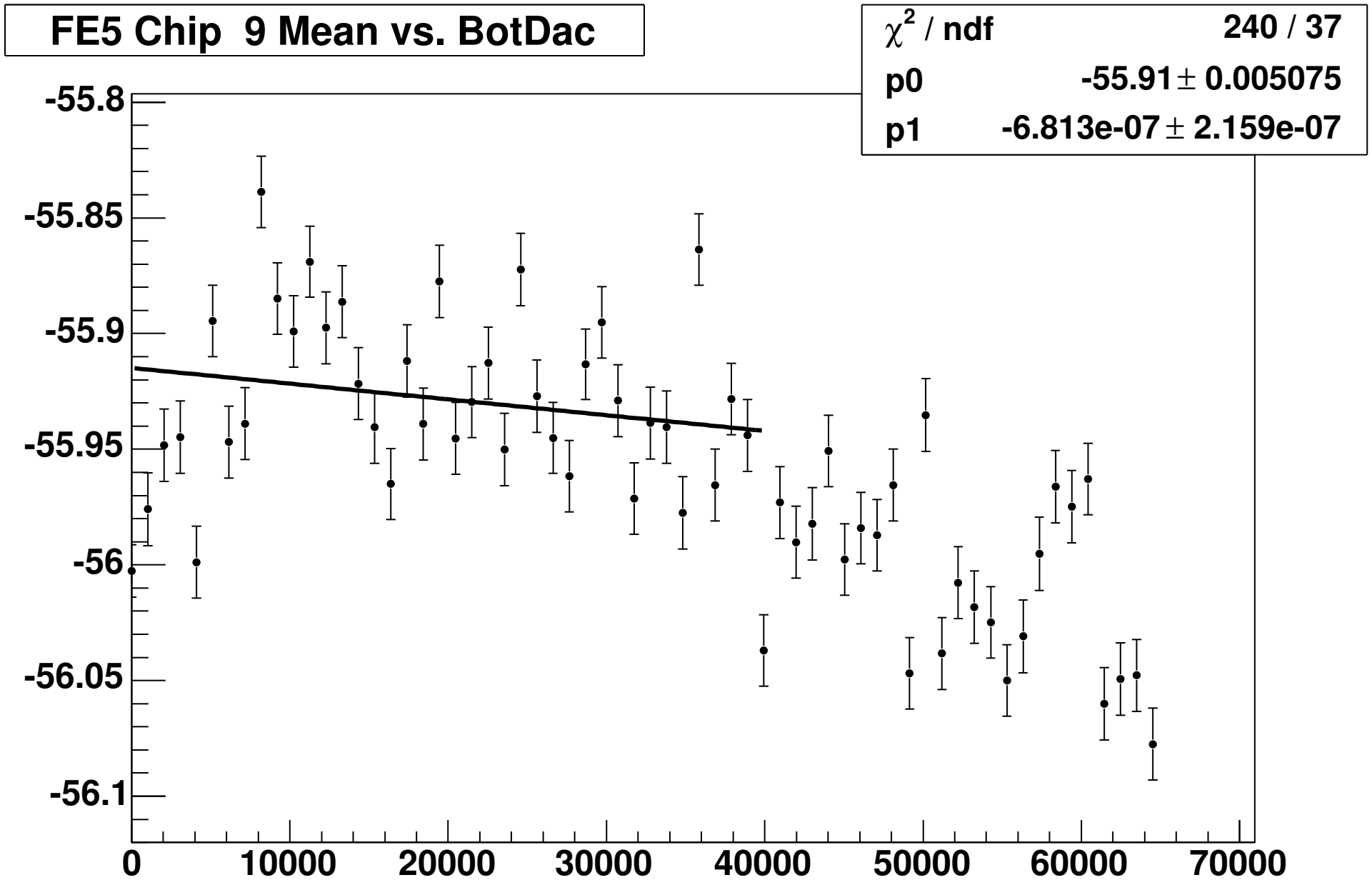
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 240 / 37
p0 -55.91 ± 0.005075
p1 -6.813e-07 ± 2.159e-07
-55.8
-55.85
-55.9
-55.95
-56
-56.05
-56.1
0
10000
20000
30000
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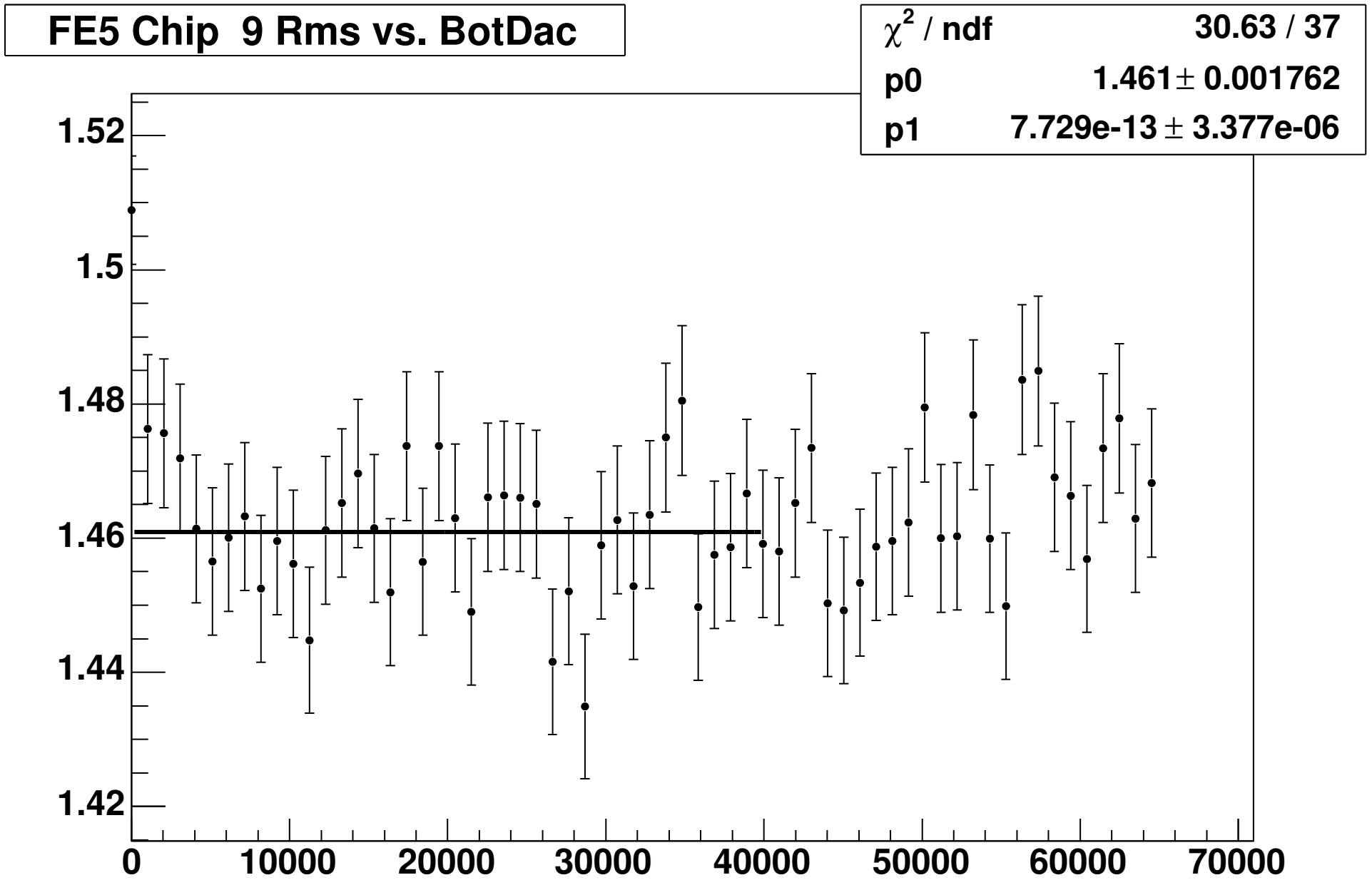
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 30.63 / 37
p0 1.461 ± 0.001762
p1 7.729e-13 ± 3.377e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
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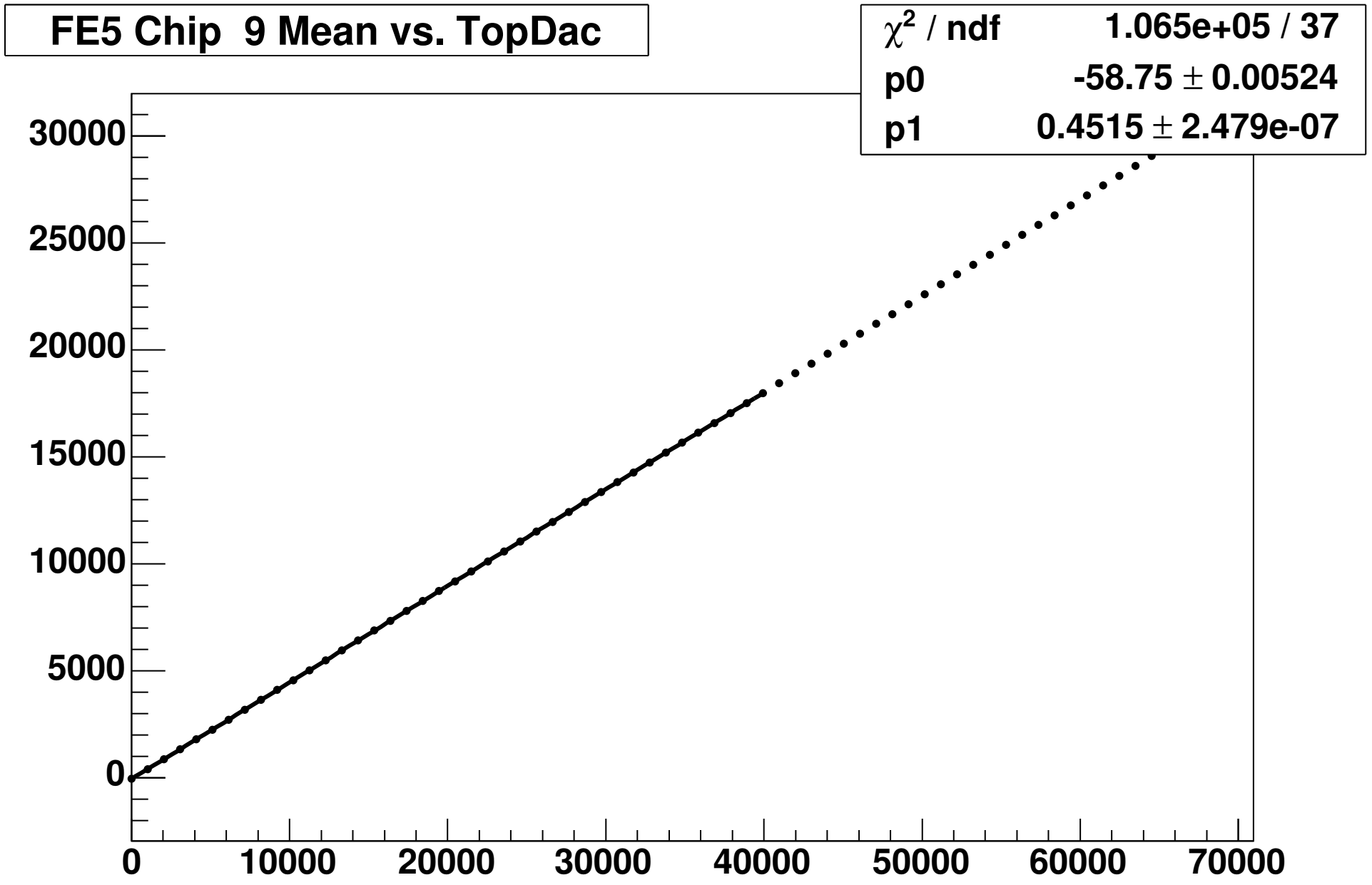
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.065e+05 / 37
p0 -58.75 ± 0.00524
p1 0.4515 ± 2.479e-07
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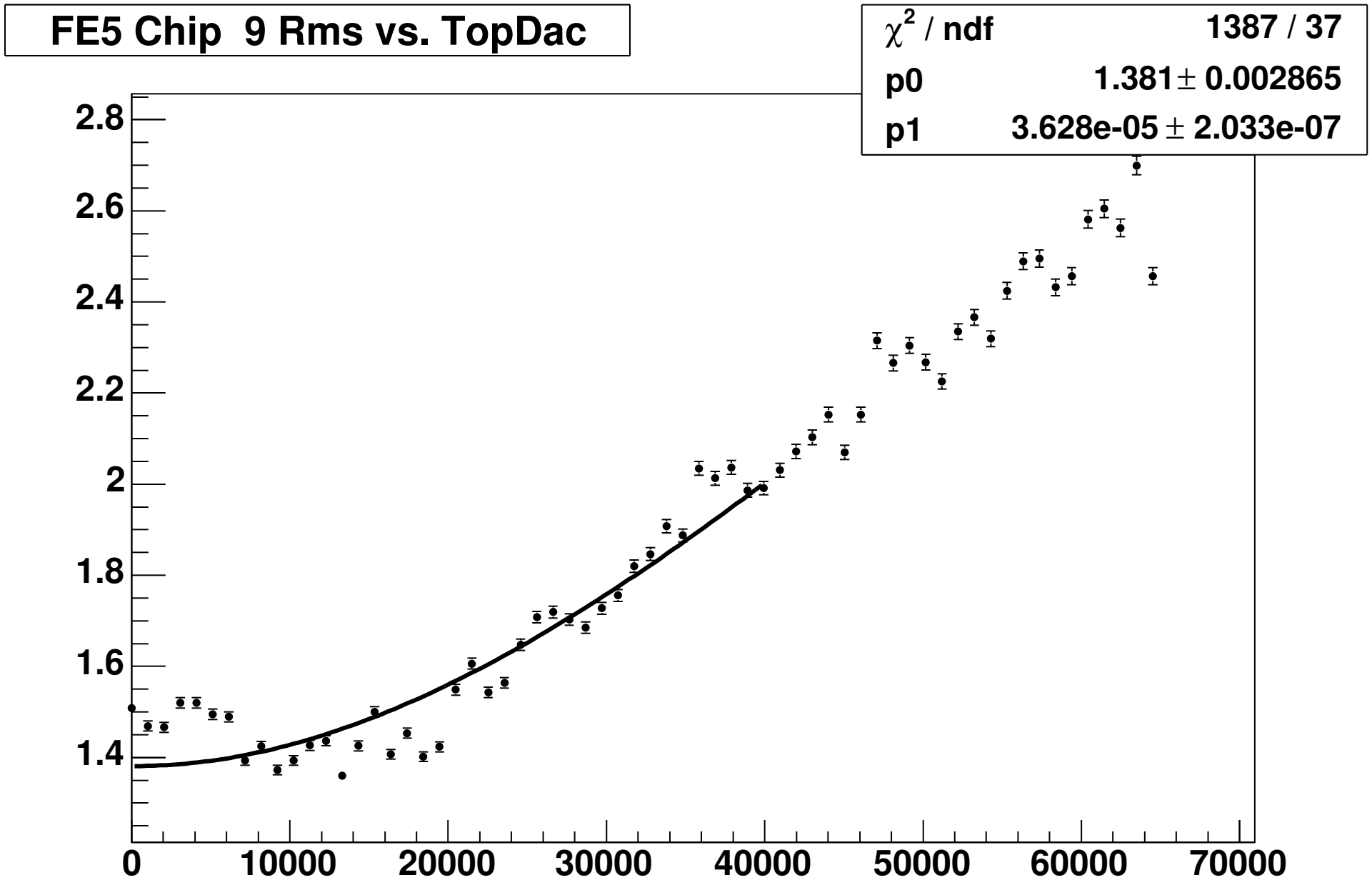
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1387 / 37
p0 1.381 ± 0.002865
p1 3.628e-05 ± 2.033e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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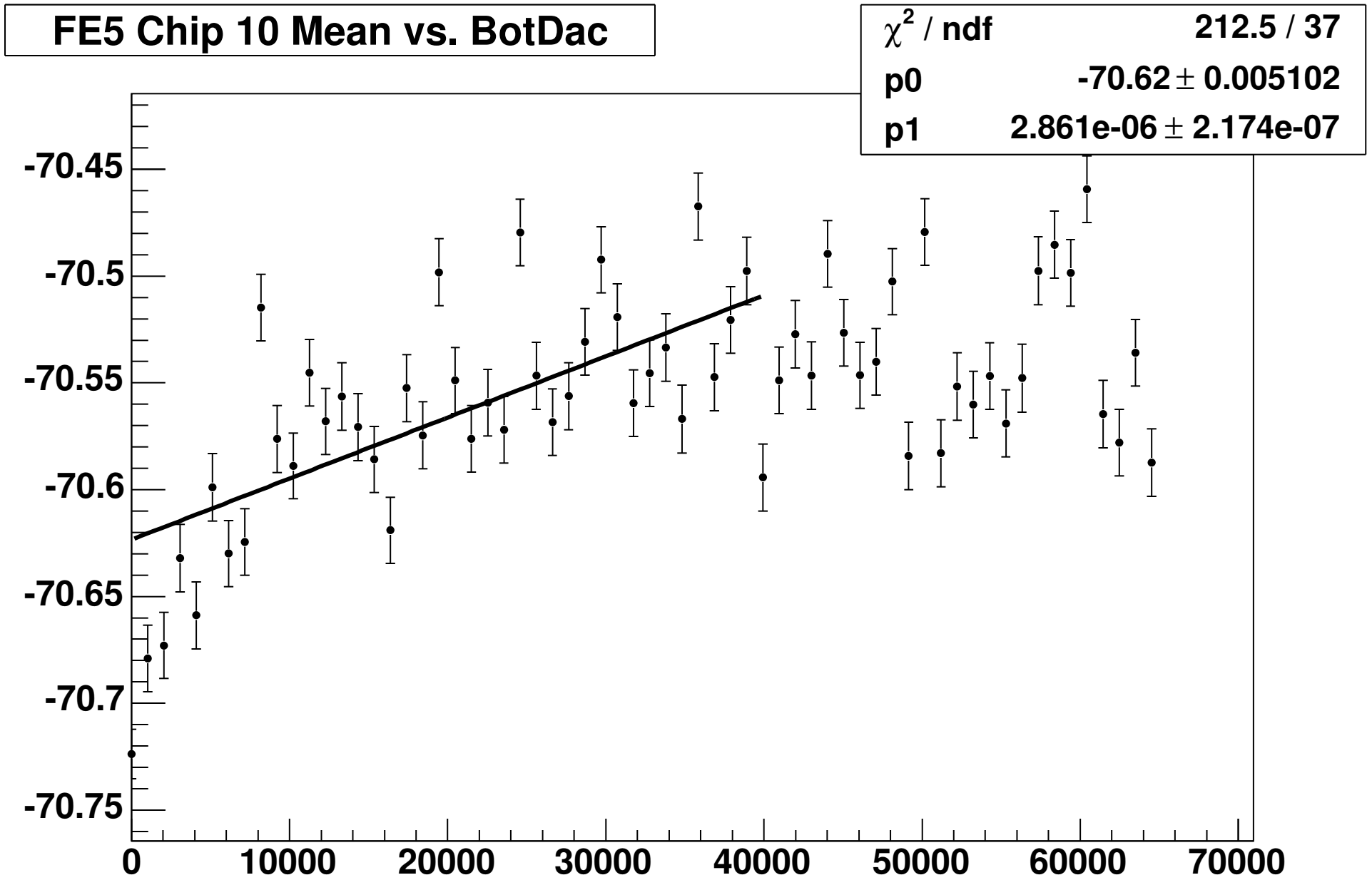
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 212.5 / 37
p0 -70.62 ± 0.005102
p1 2.861e-06 ± 2.174e-07
-70.45
-70.5
-70.55
-70.6
-70.65
-70.7
-70.75
0
10000
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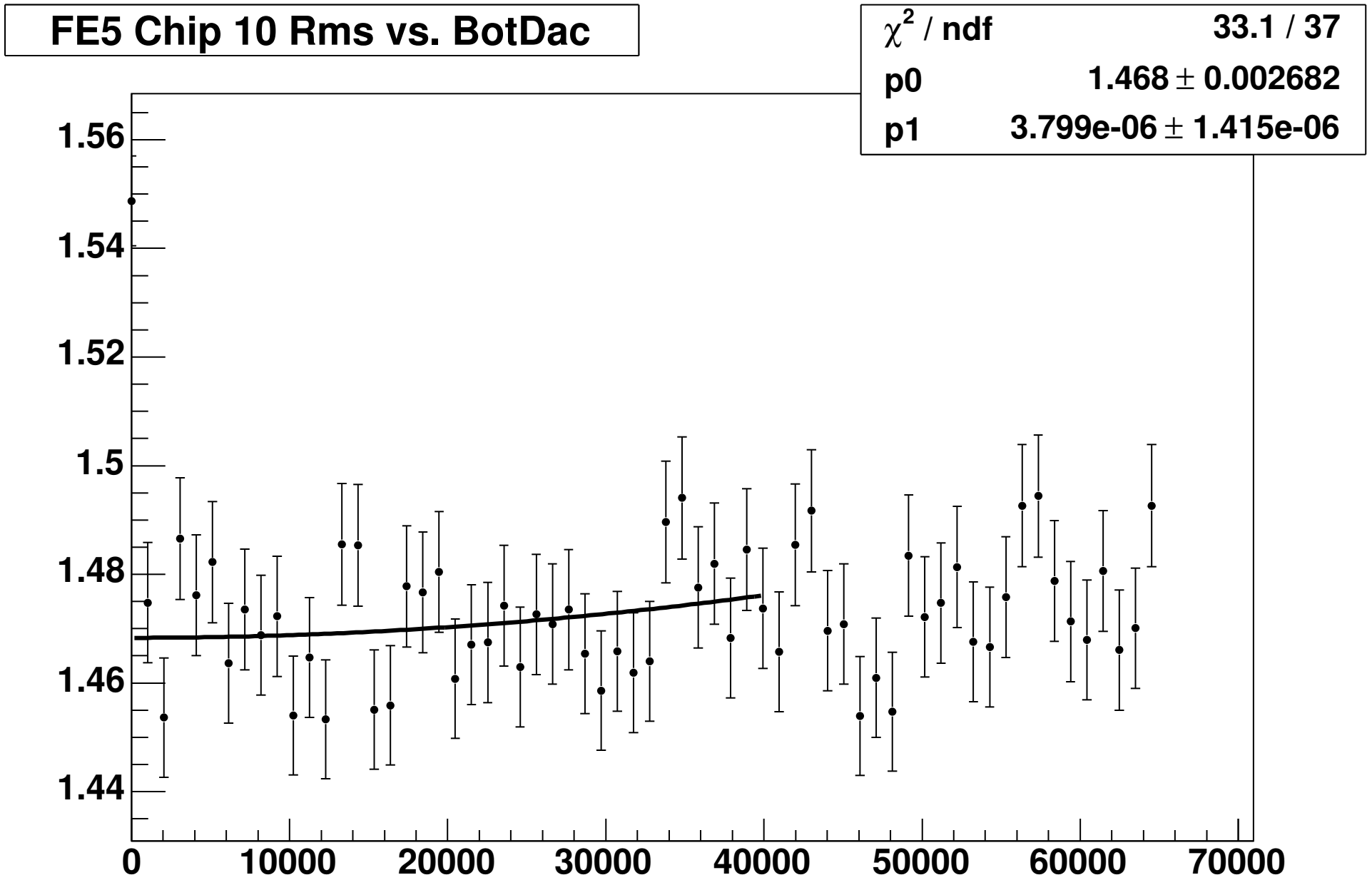
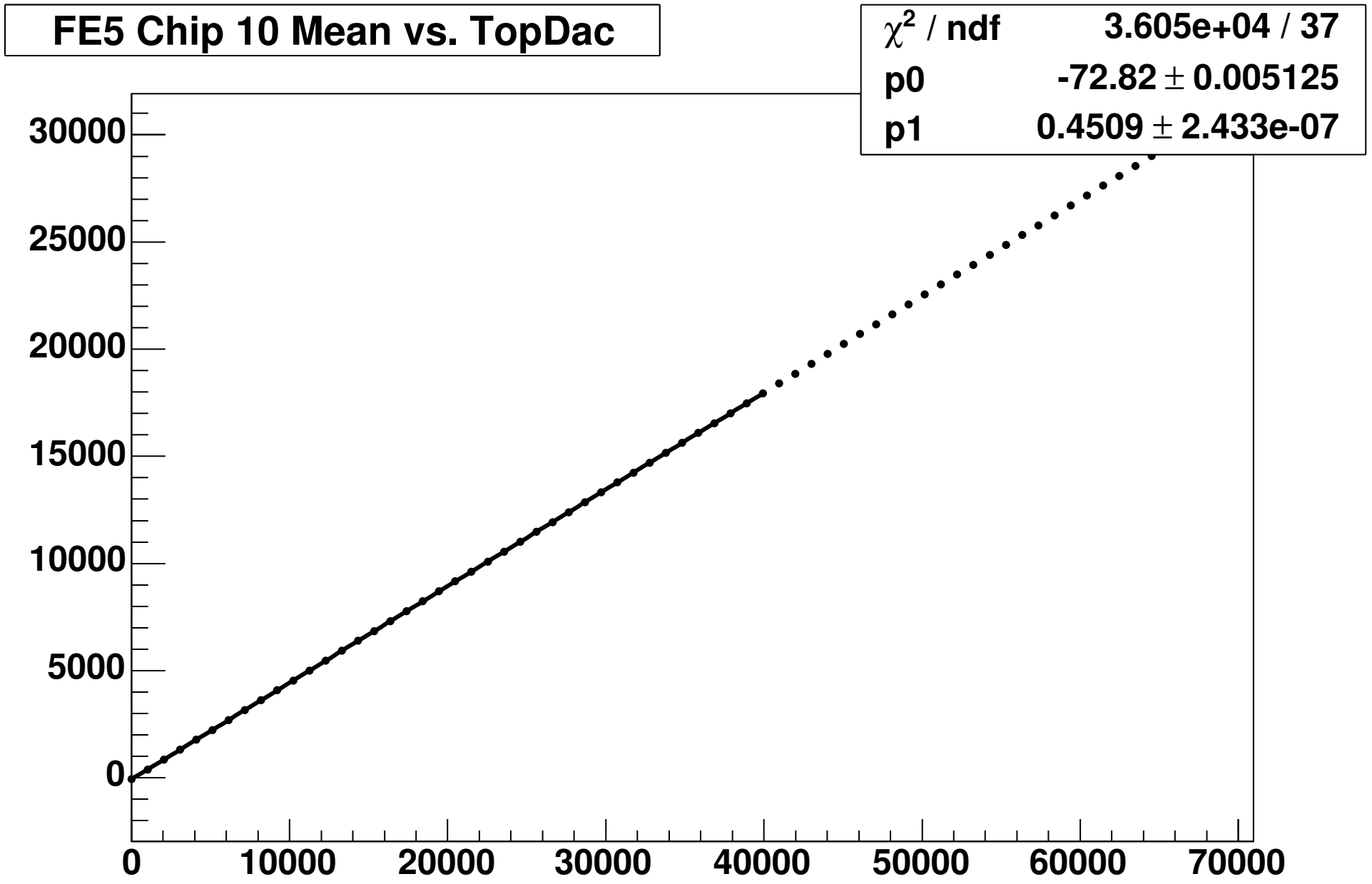
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 33.1 / 37
p0 1.468 ± 0.002682
p1 3.799e-06 ± 1.415e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 3.605e+04 / 37
p0 -72.82 ± 0.005125
p1 0.4509 ± 2.433e-07
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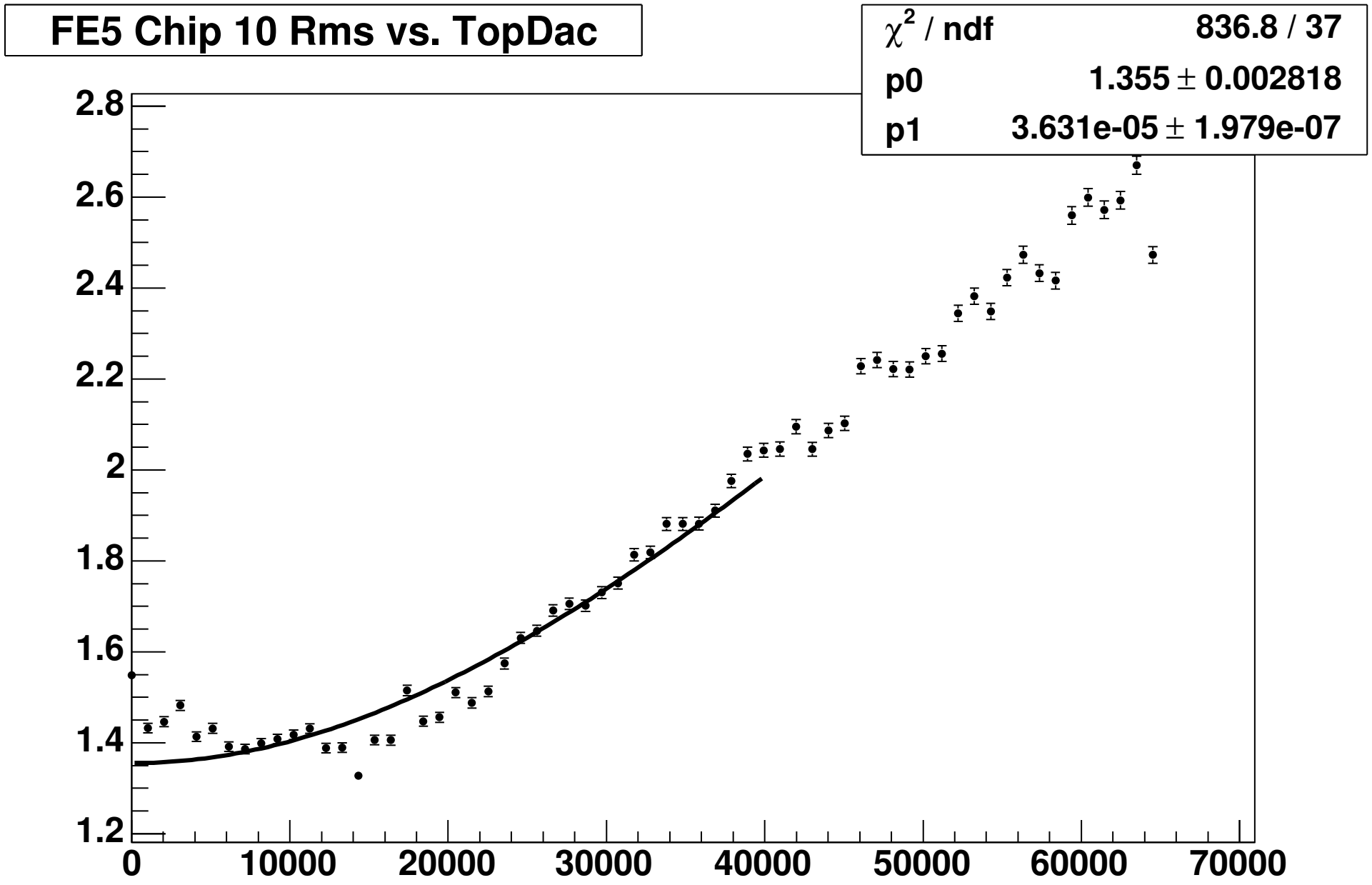
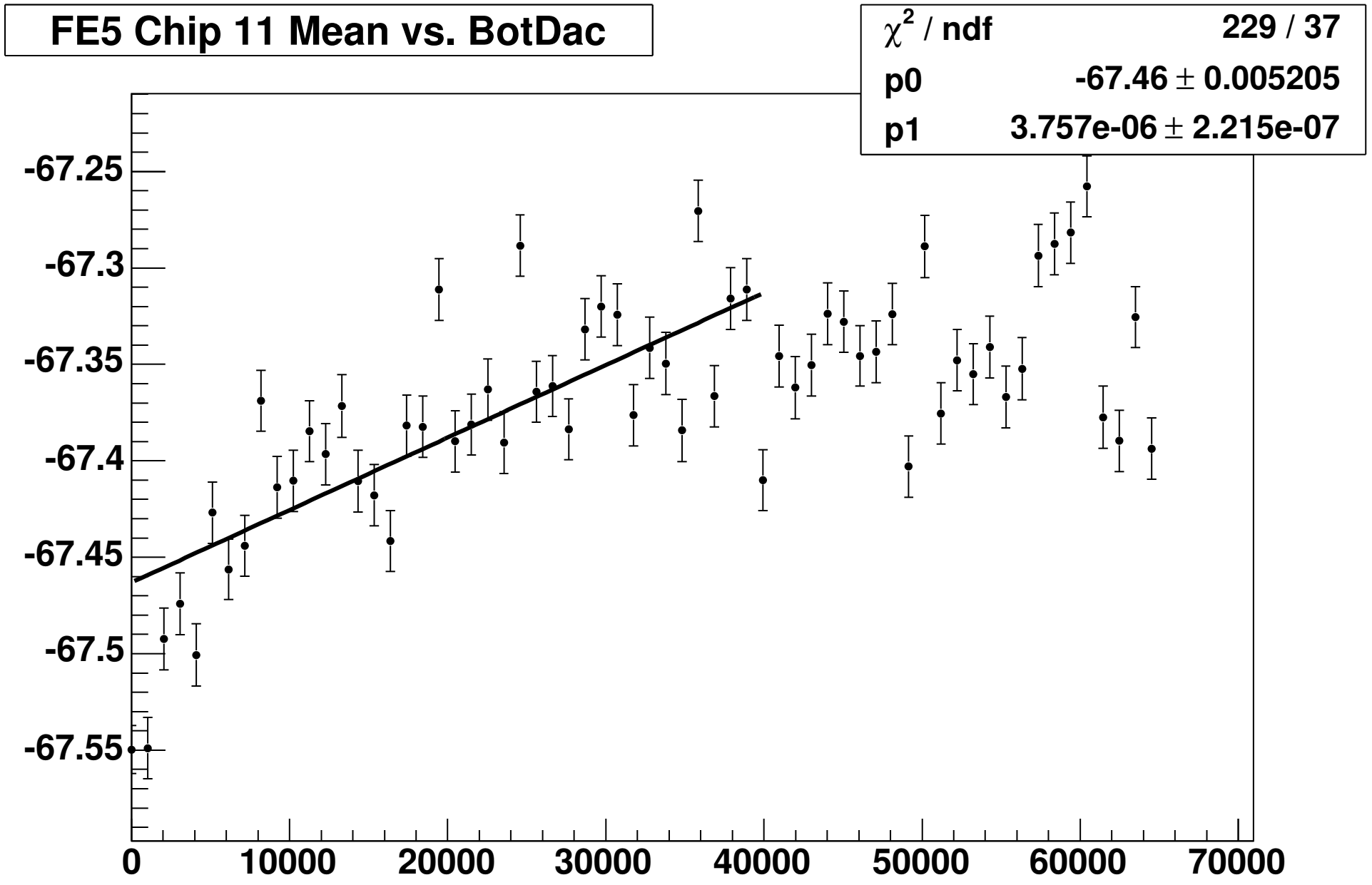
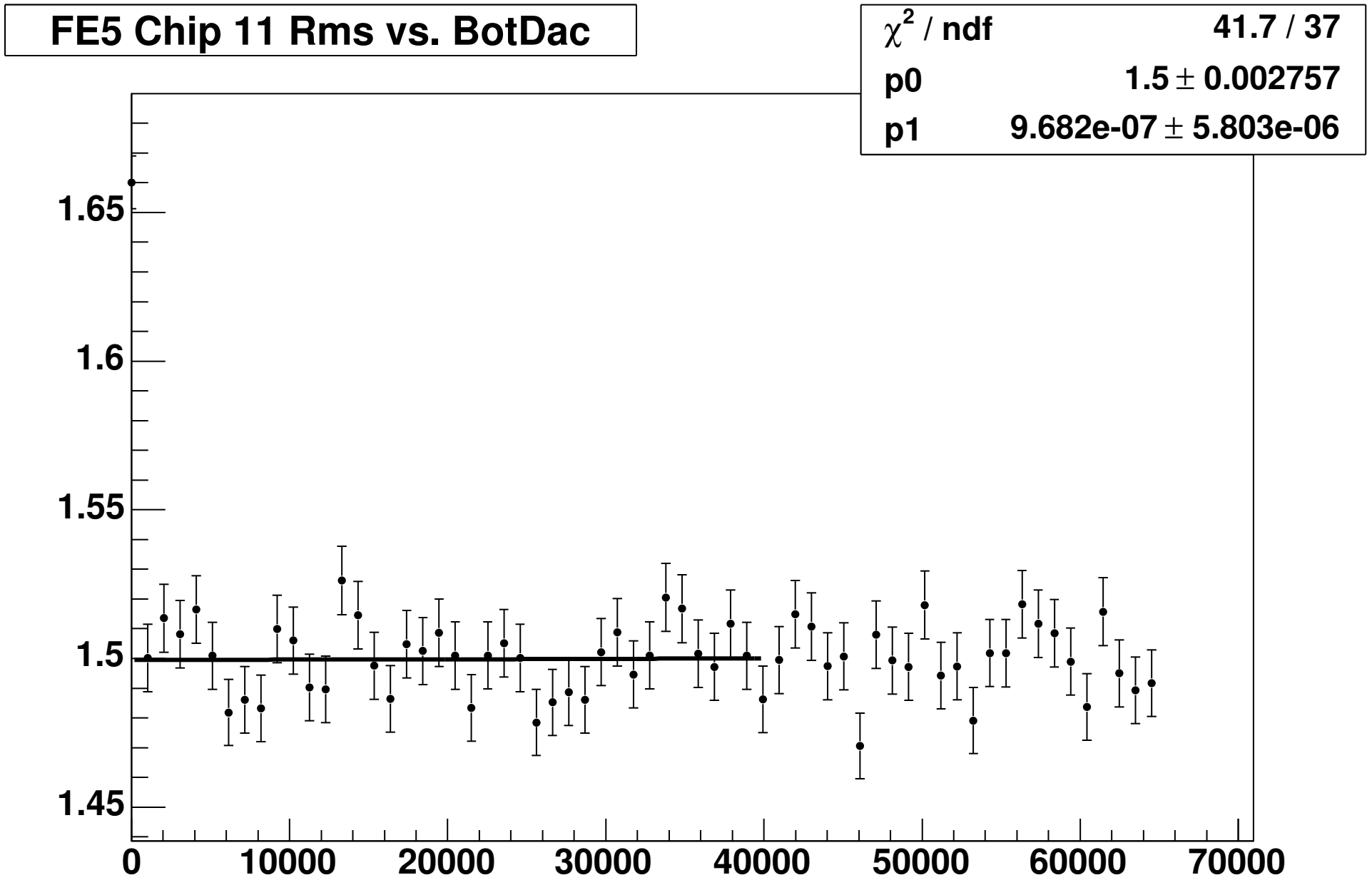
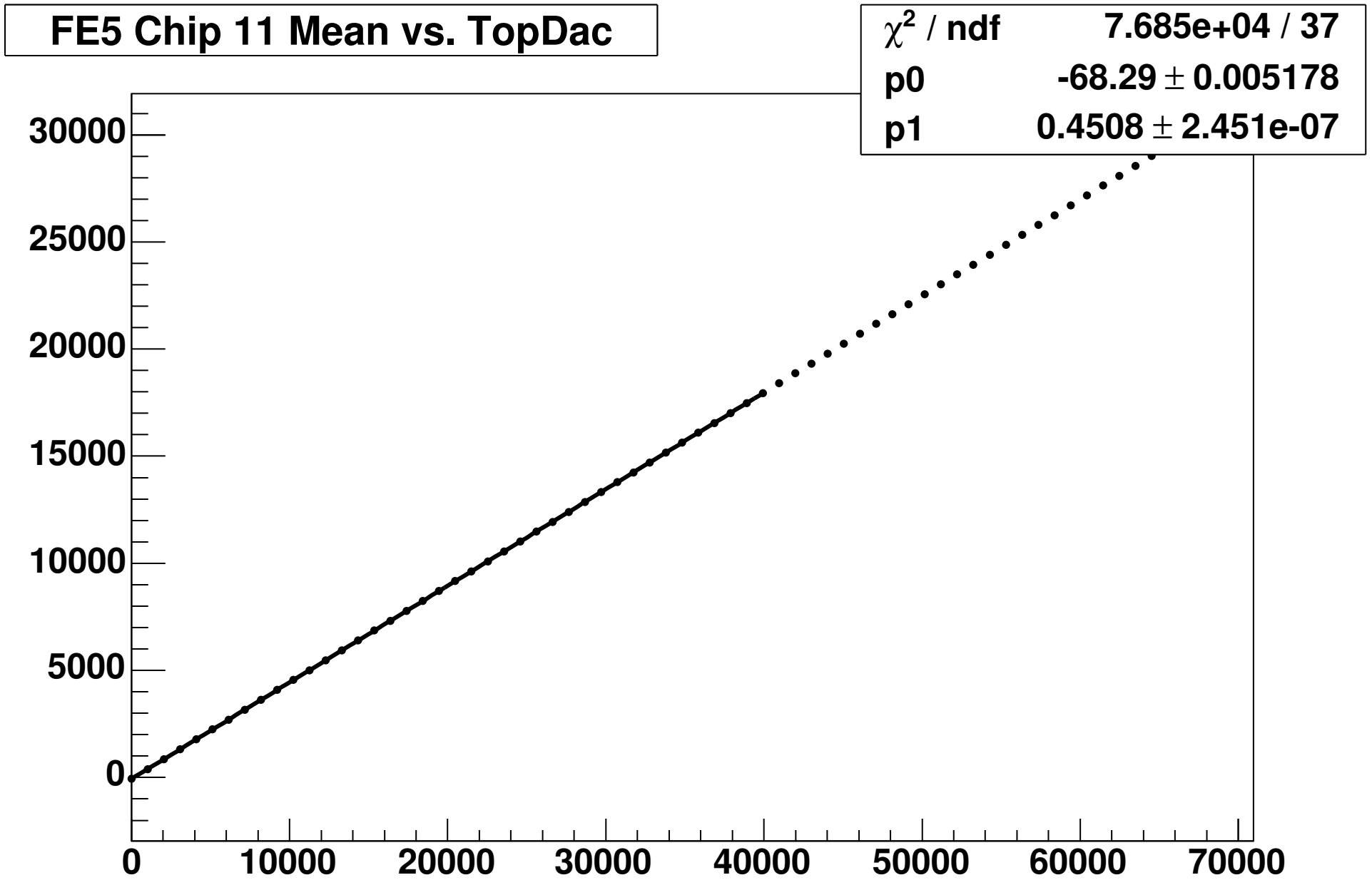
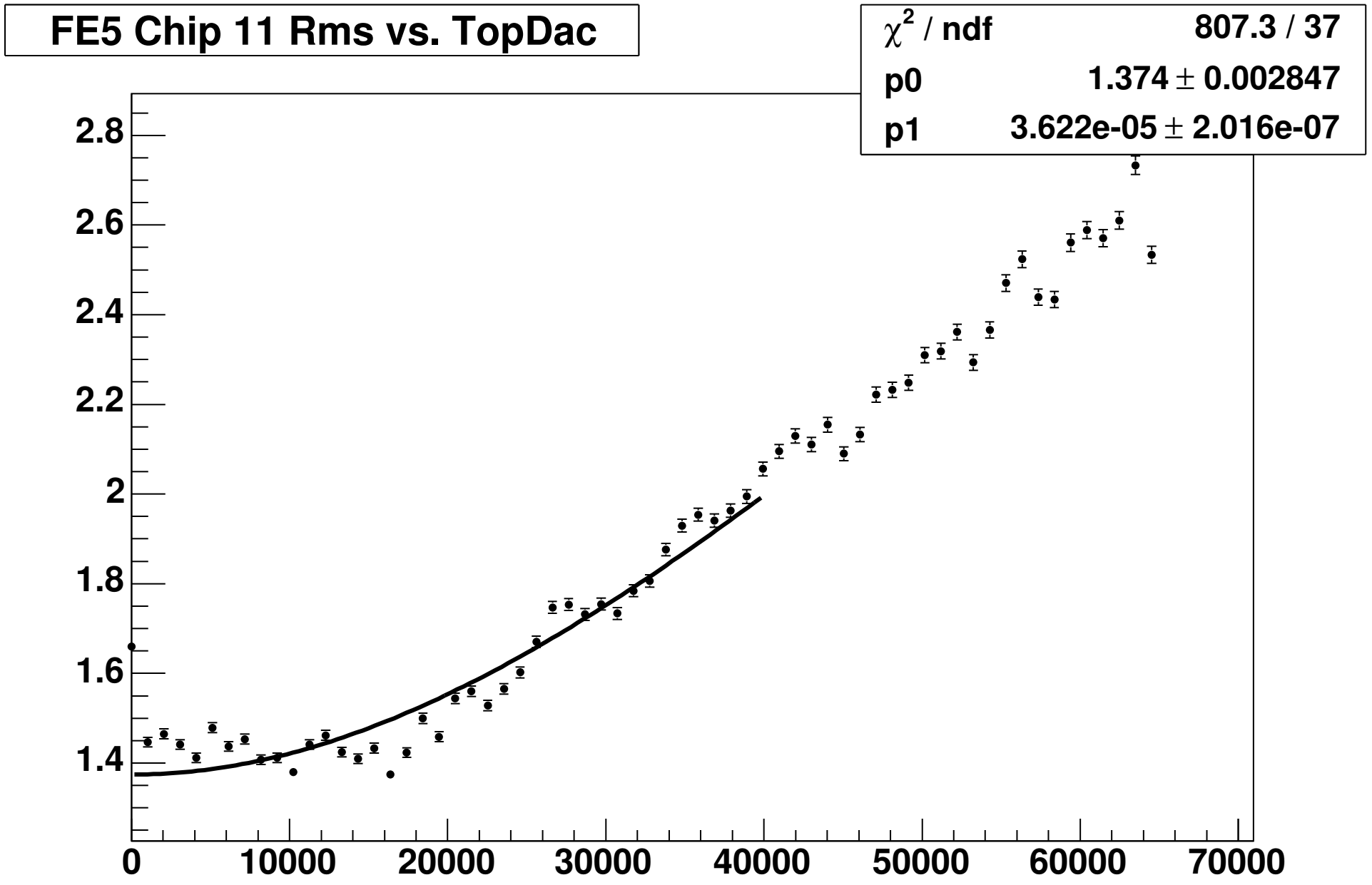
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

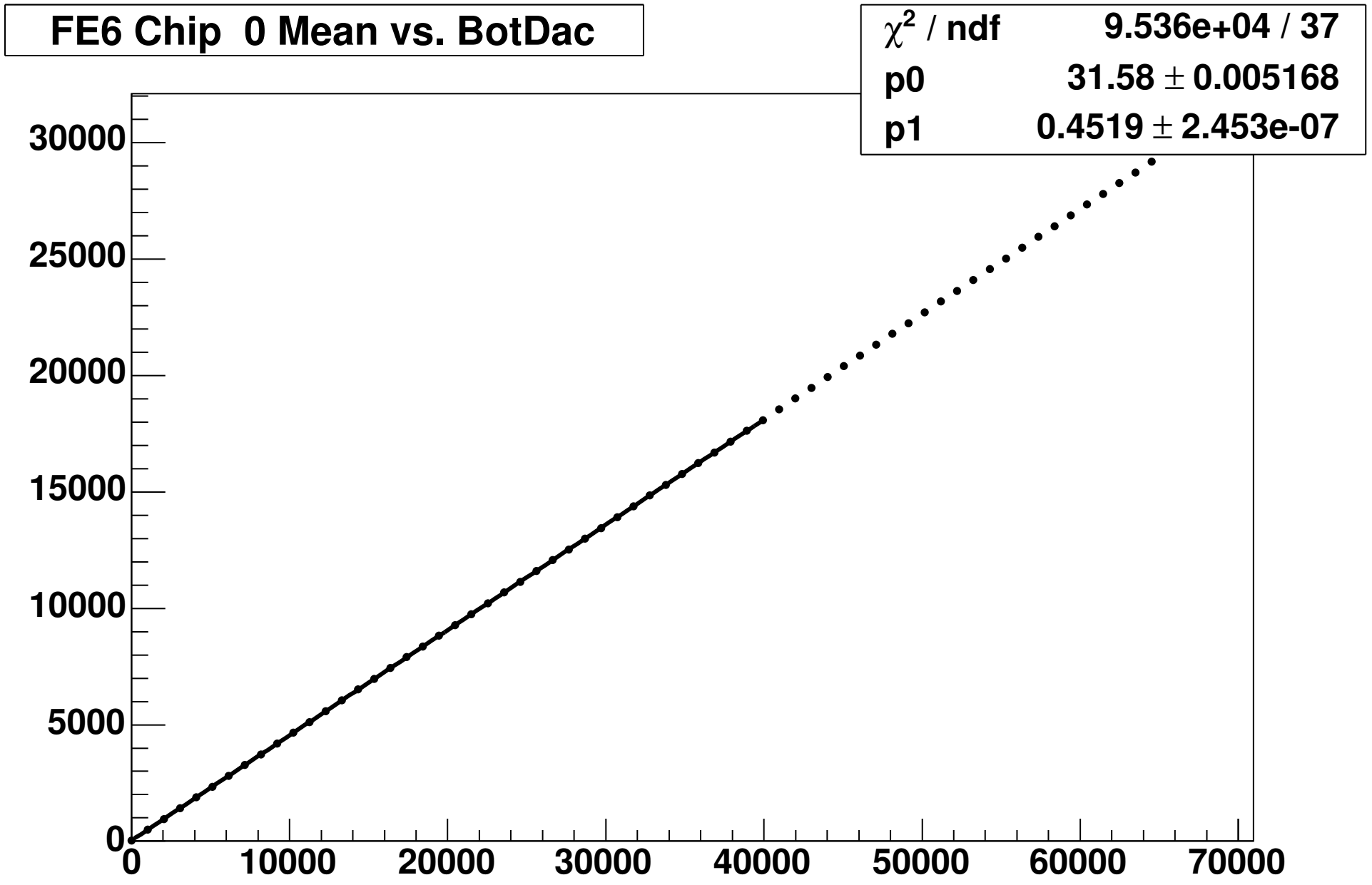

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 836.8 / 37
p0 1.355 ± 0.002818
p1 3.631e-05 ± 1.979e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

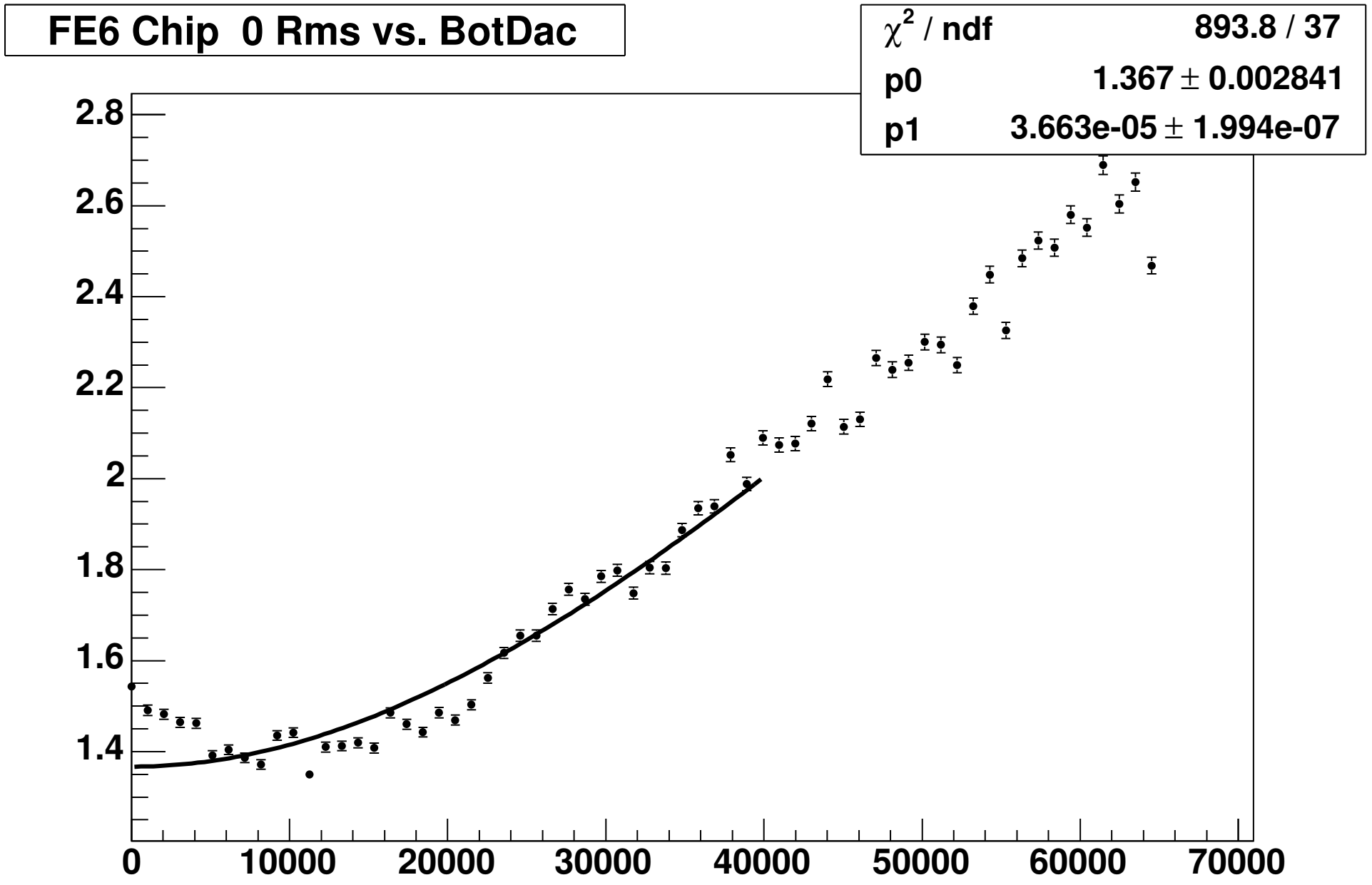

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 229 / 37
p0 -67.46 ± 0.005205
p1 3.757e-06 ± 2.215e-07
-67.25
-67.3
-67.35
-67.4
-67.45
-67.5
-67.55
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 41.7 / 37
p0 1.5 ± 0.002757
p1 9.682e-07 ± 5.803e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 7.685e+04 / 37
p0 -68.29 ± 0.005178
p1 0.4508 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 807.3 / 37
p0 1.374 ± 0.002847
p1 3.622e-05 ± 2.016e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 9.536e+04 / 37
p0 31.58 ± 0.005168
p1 0.4519 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 893.8 / 37
p0 1.367 ± 0.002841
p1 3.663e-05 ± 1.994e-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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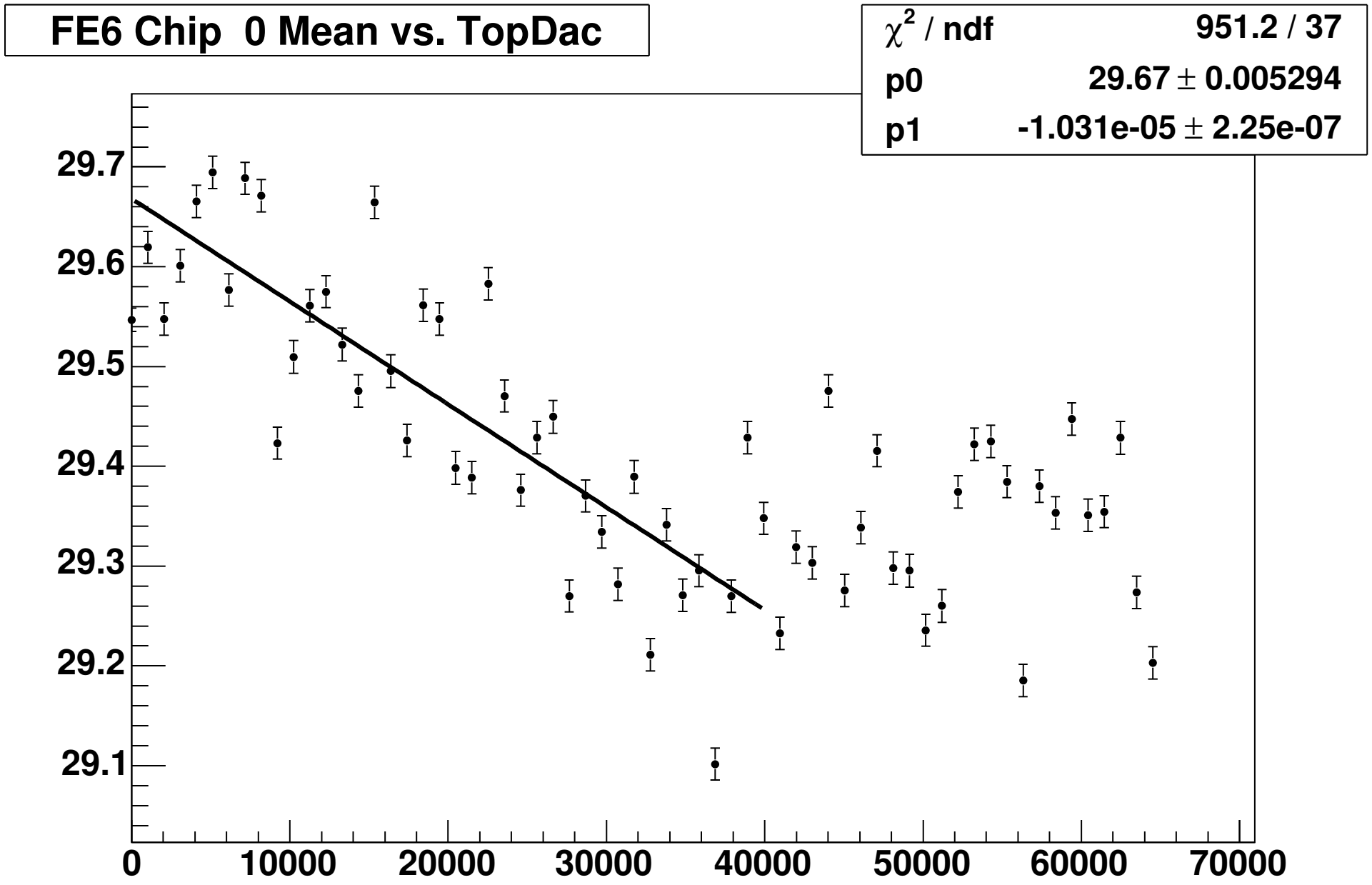
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 951.2 / 37
p0 29.67 ± 0.005294
p1 -1.031e-05 ± 2.25e-07
29.7
29.6
29.5
29.4
29.3
29.2
29.1
0
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60000
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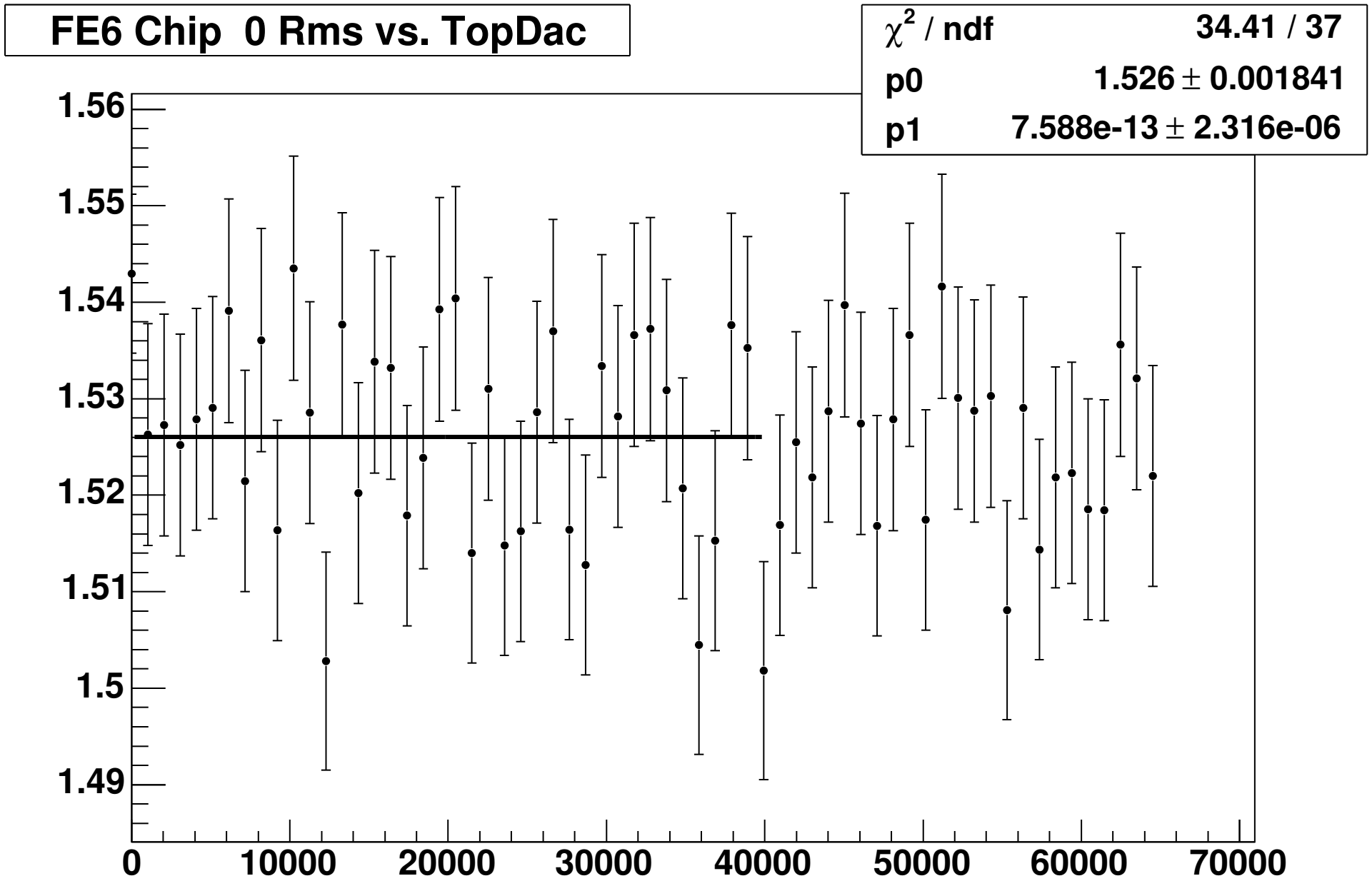
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 34.41 / 37
p0 1.526 ± 0.001841
p1 7.588e-13 ± 2.316e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
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50000
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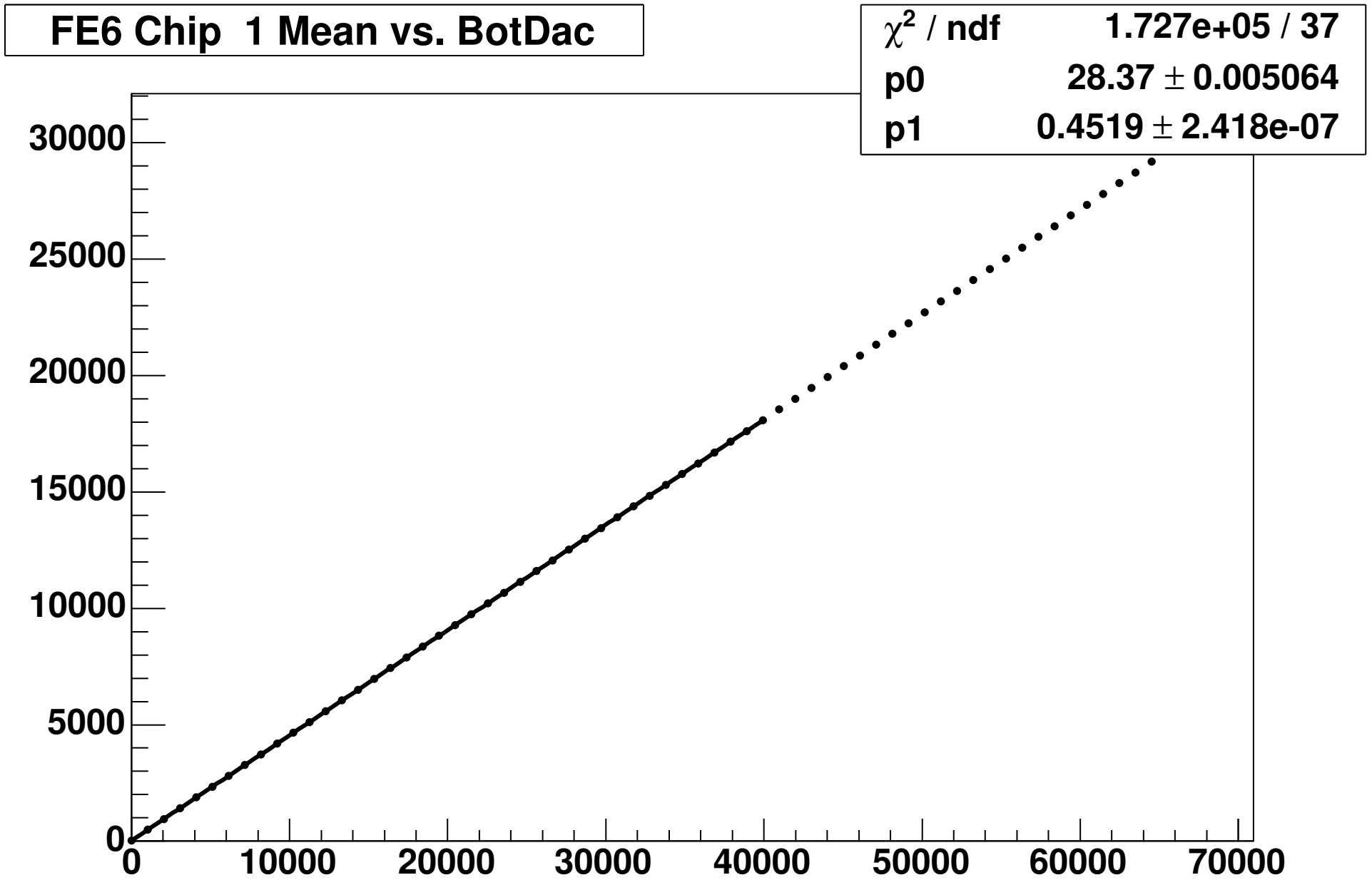
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.727e+05 / 37
p0 28.37 ± 0.005064
p1 0.4519 ± 2.418e-07
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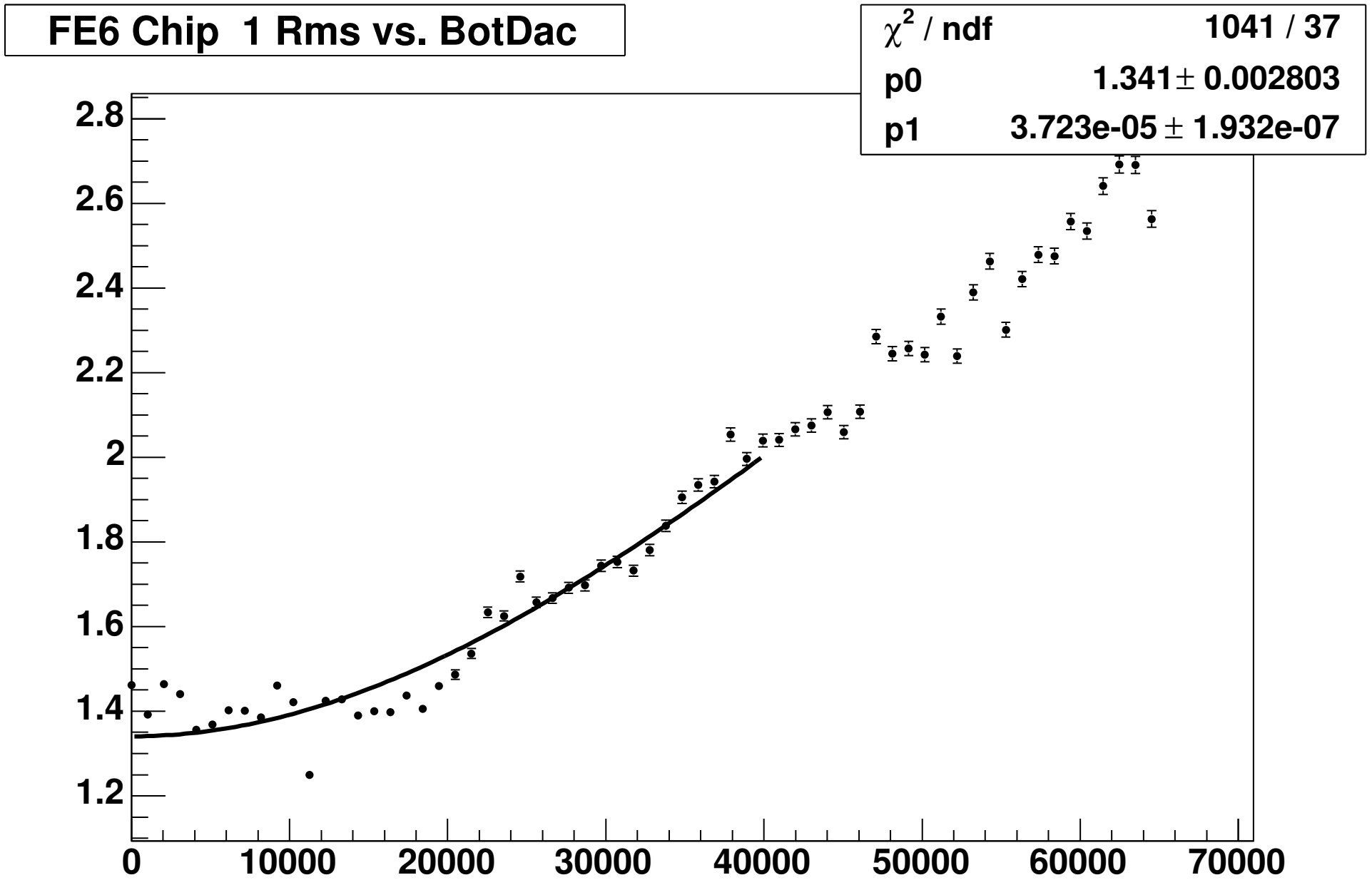
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1041 / 37
p0 1.341 ± 0.002803
p1 3.723e-05 ± 1.932e-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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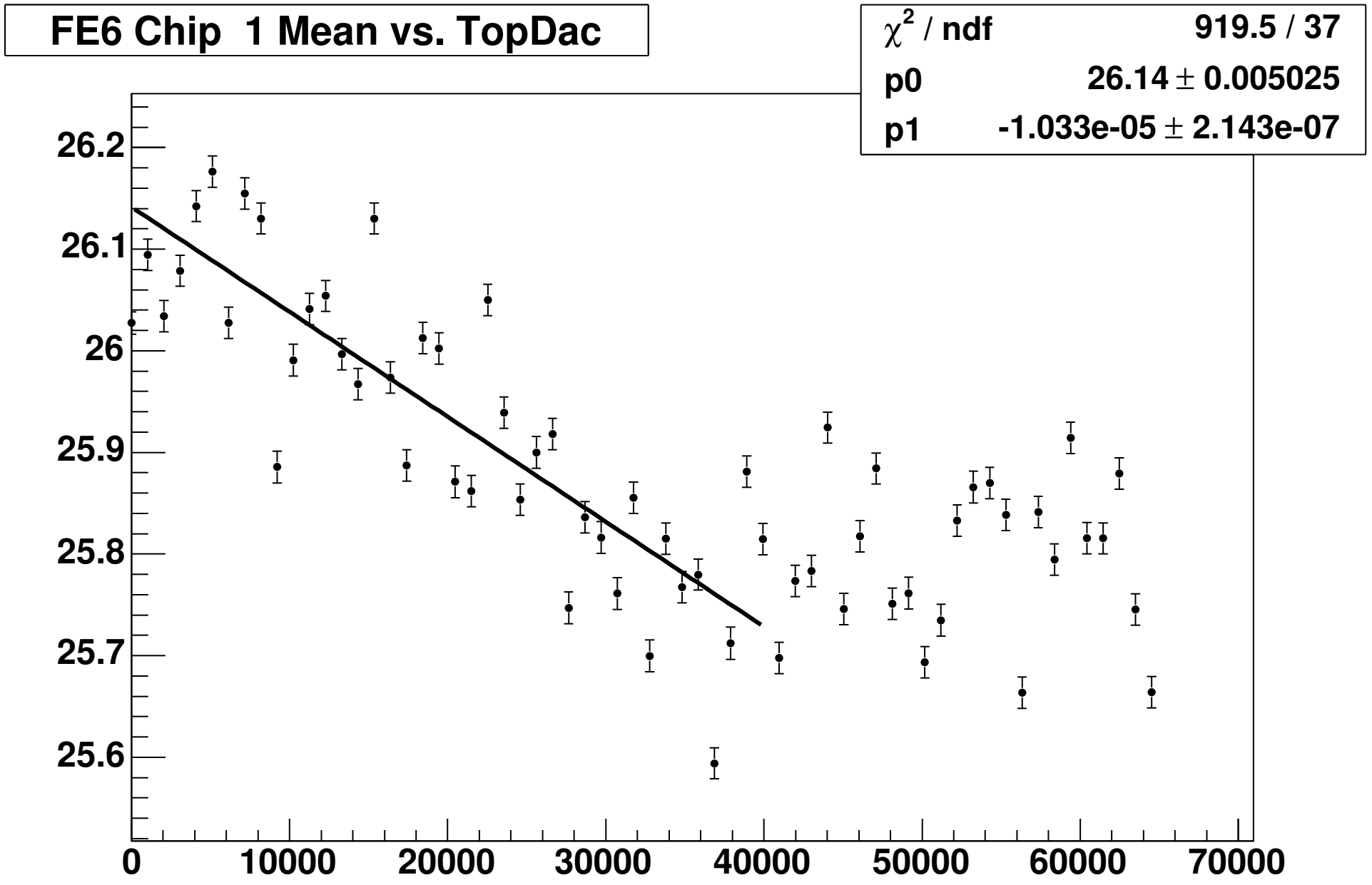
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 919.5 / 37
p0 26.14 ± 0.005025
p1 -1.033e-05 ± 2.143e-07
26.2
26.1
26
25.9
25.8
25.7
25.6
0
10000
20000
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50000
60000
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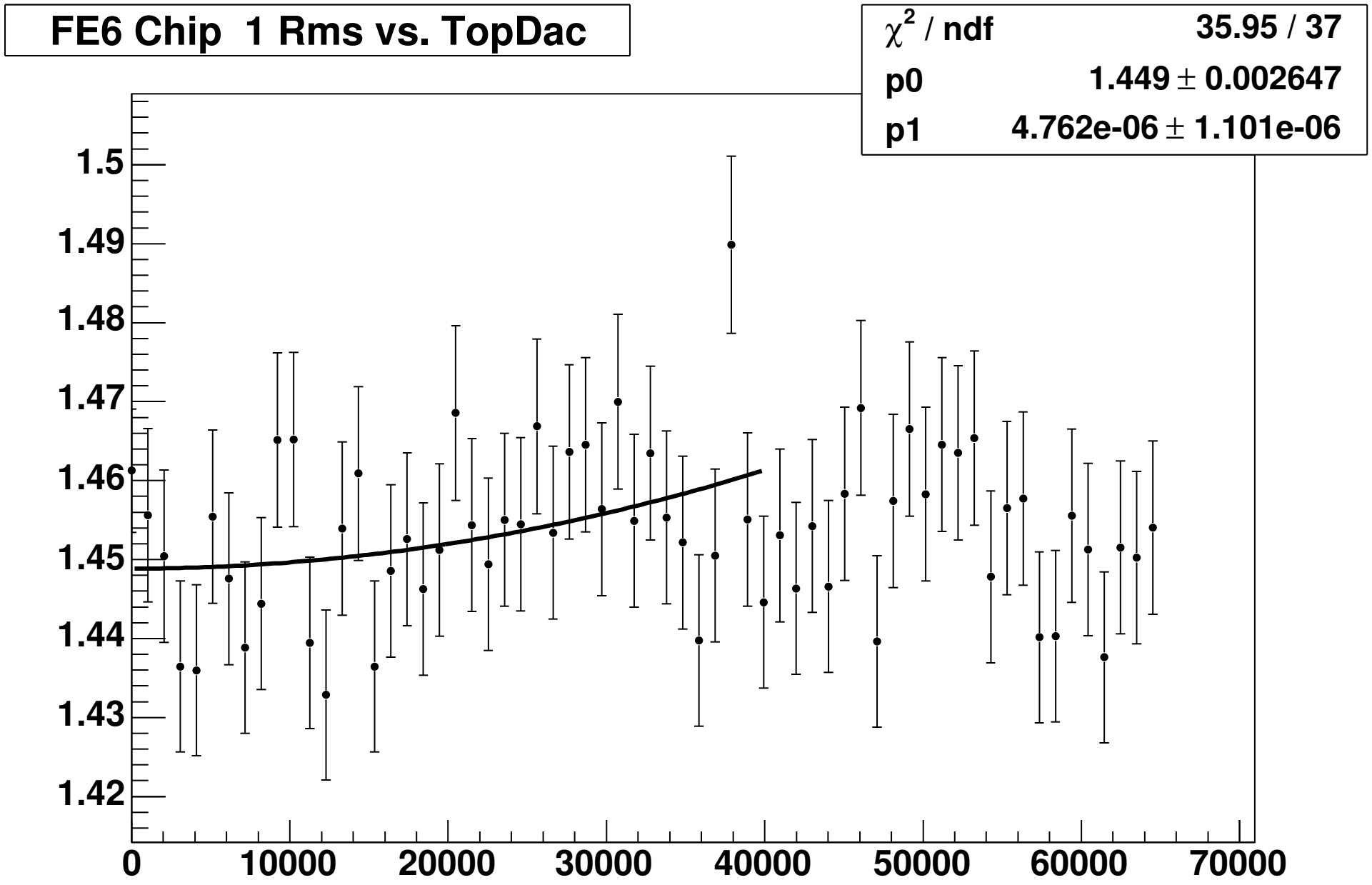
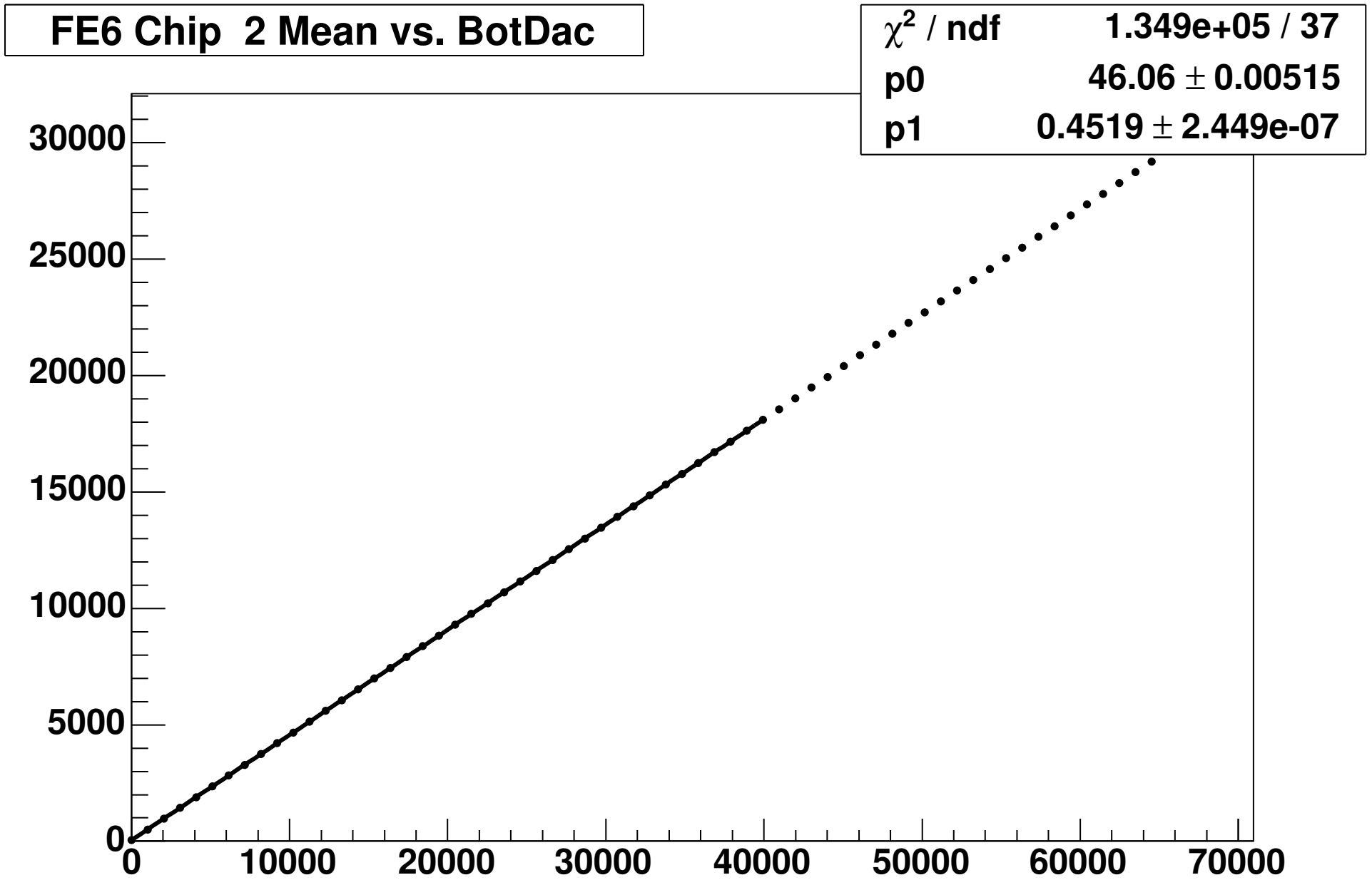

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 35.95 / 37
p0 1.449 ± 0.002647
p1 4.762e-06 ± 1.101e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.349e+05 / 37
p0 46.06 ± 0.00515
p1 0.4519 ± 2.449e-07
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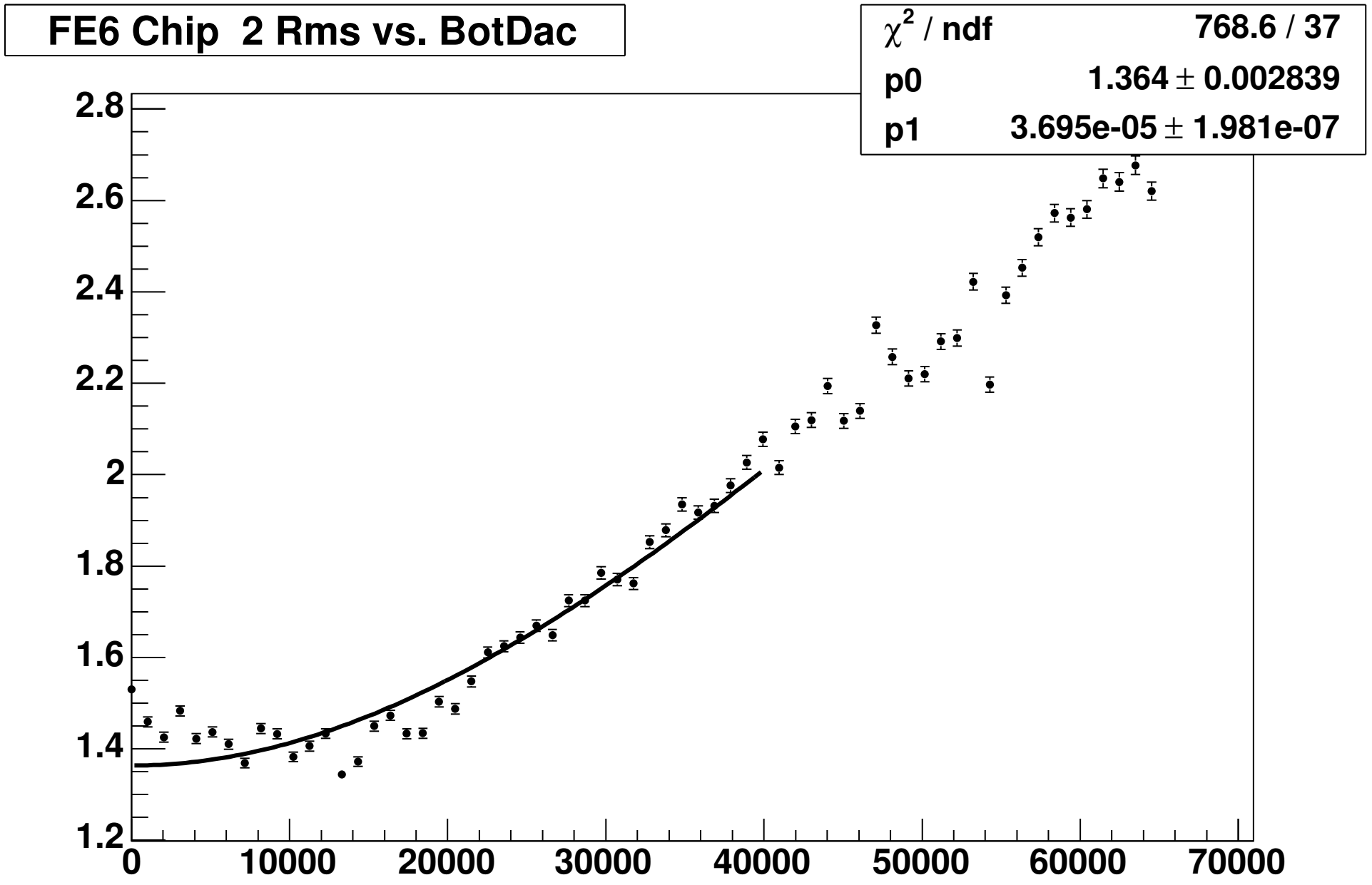
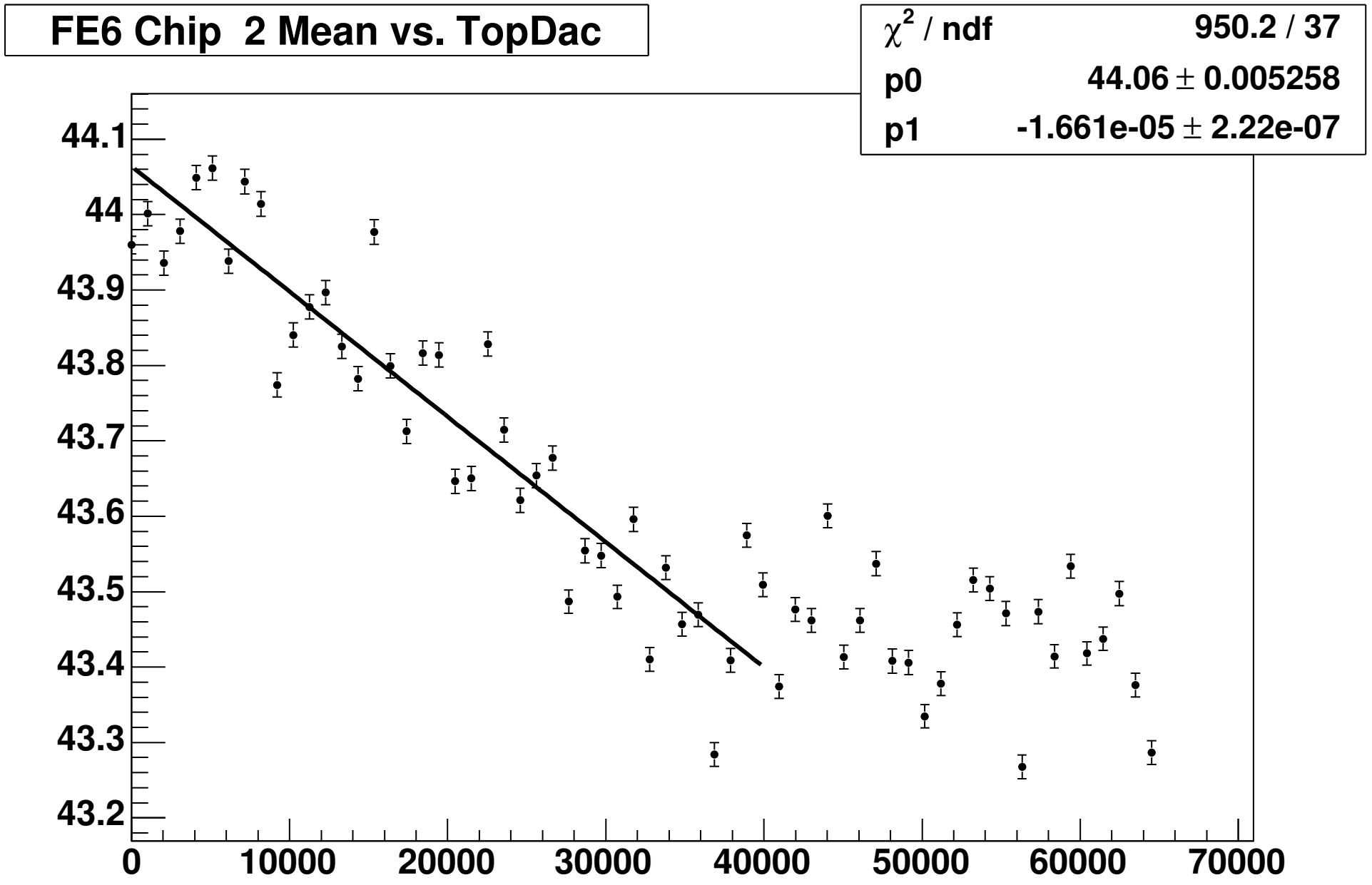
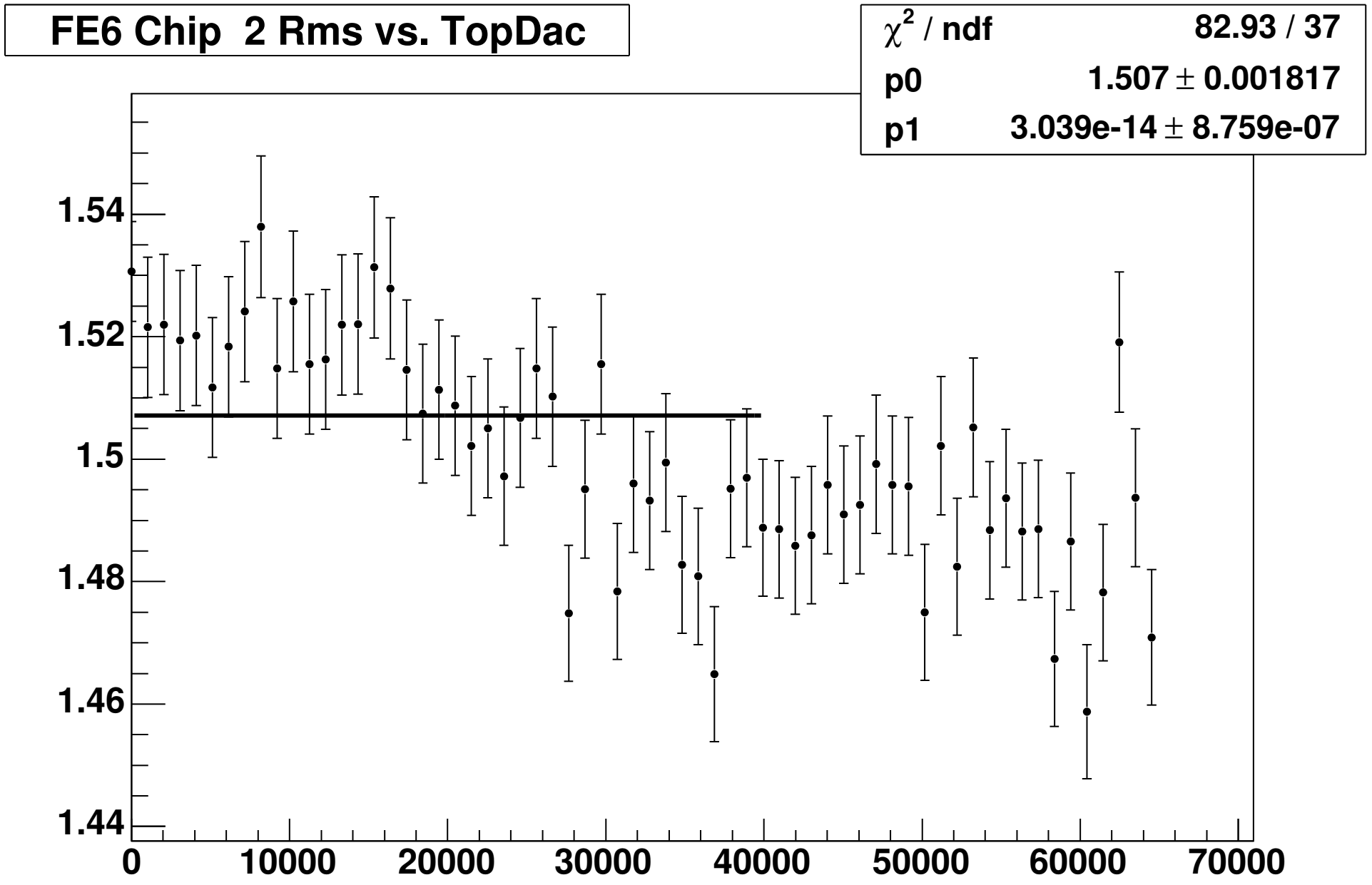
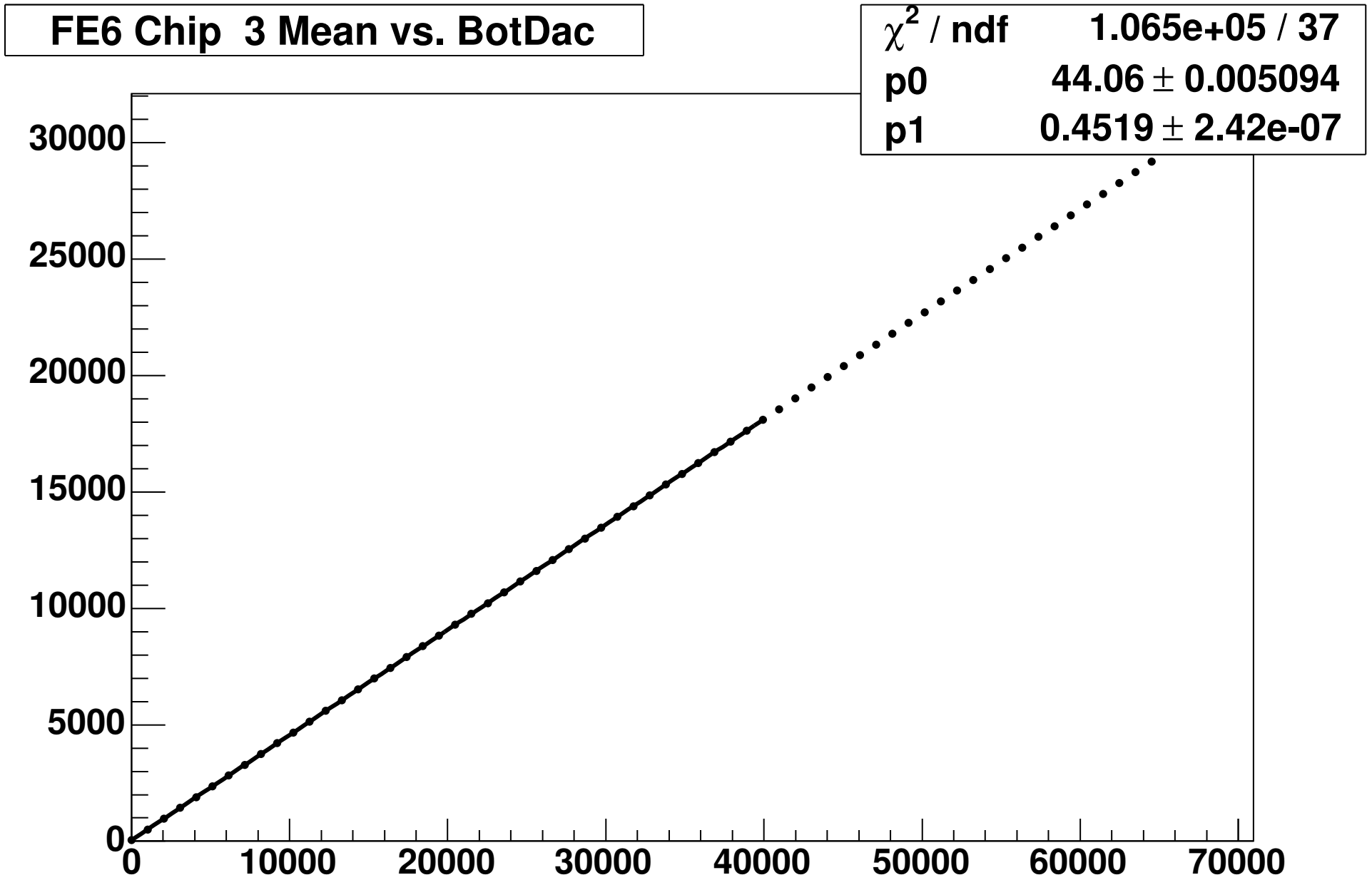
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 768.6 / 37
p0 1.364 ± 0.002839
p1 3.695e-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
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 950.2 / 37
p0 44.06 ± 0.005258
p1 -1.661e-05 ± 2.22e-07
44.1
44
43.9
43.8
43.7
43.6
43.5
43.4
43.3
43.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ^2 / ndf 82.93 / 37
p0 1.507 ± 0.001817
p1 3.039e-14 ± 8.759e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.065e+05 / 37
p0 44.06 ± 0.005094
p1 0.4519 ± 2.42e-07
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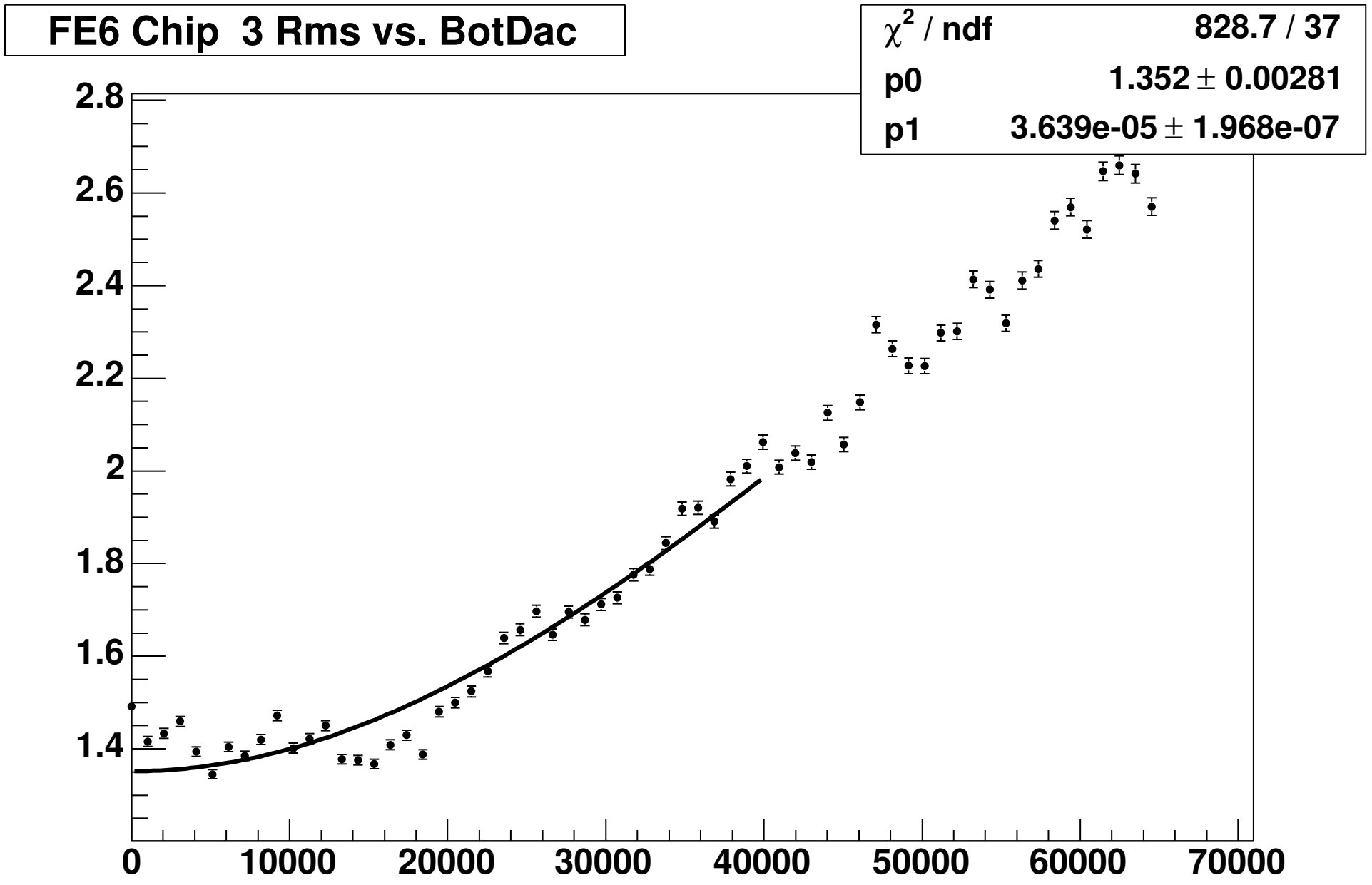
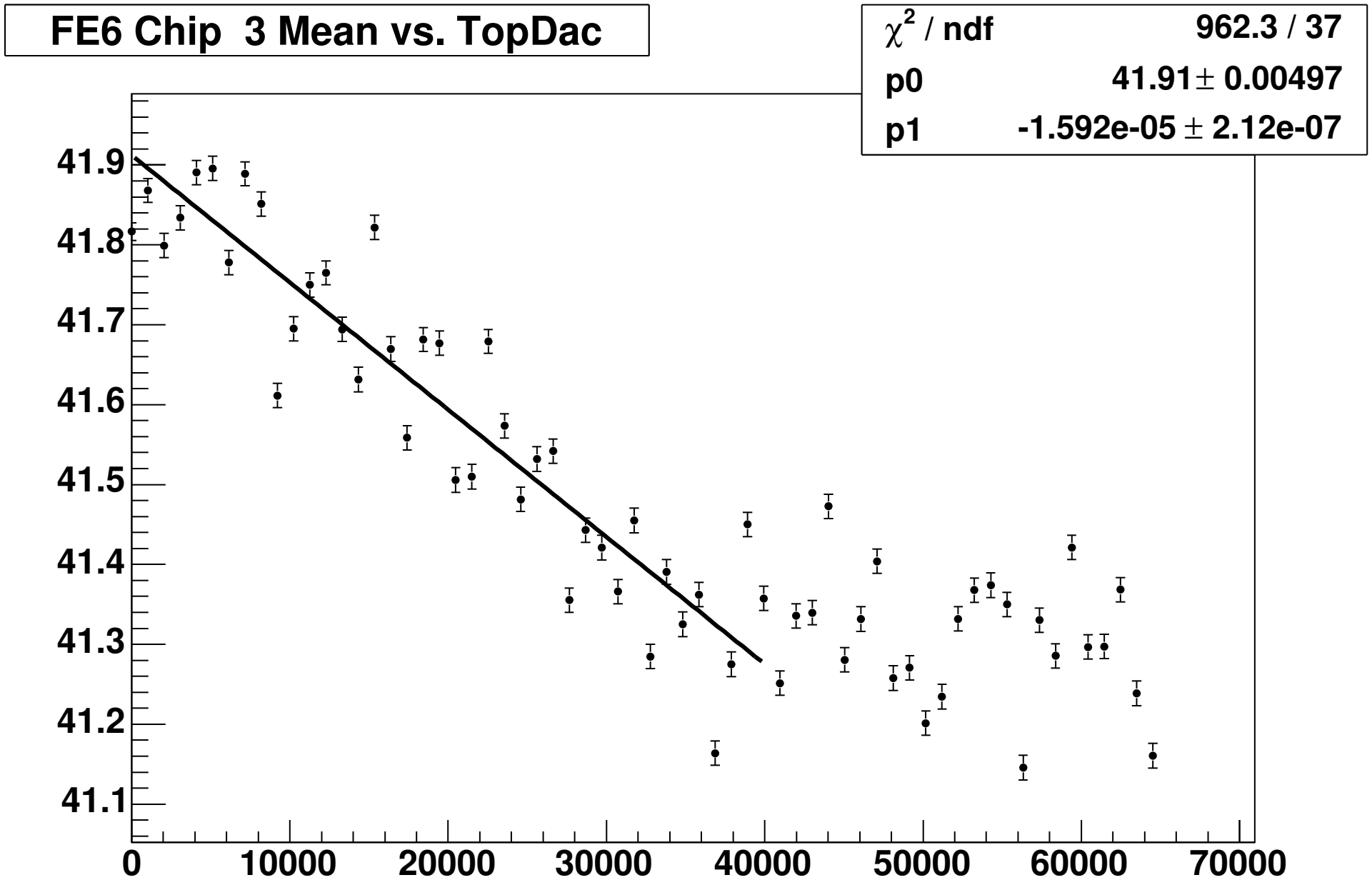
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 828.7 / 37
p0 1.352 ± 0.00281
p1 3.639e-05 ± 1.968e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 962.3 / 37
p0 41.91 ± 0.00497
p1 -1.592e-05 ± 2.12e-07
41.9
41.8
41.7
41.6
41.5
41.4
41.3
41.2
41.1
0
10000
20000
30000
40000
50000
60000
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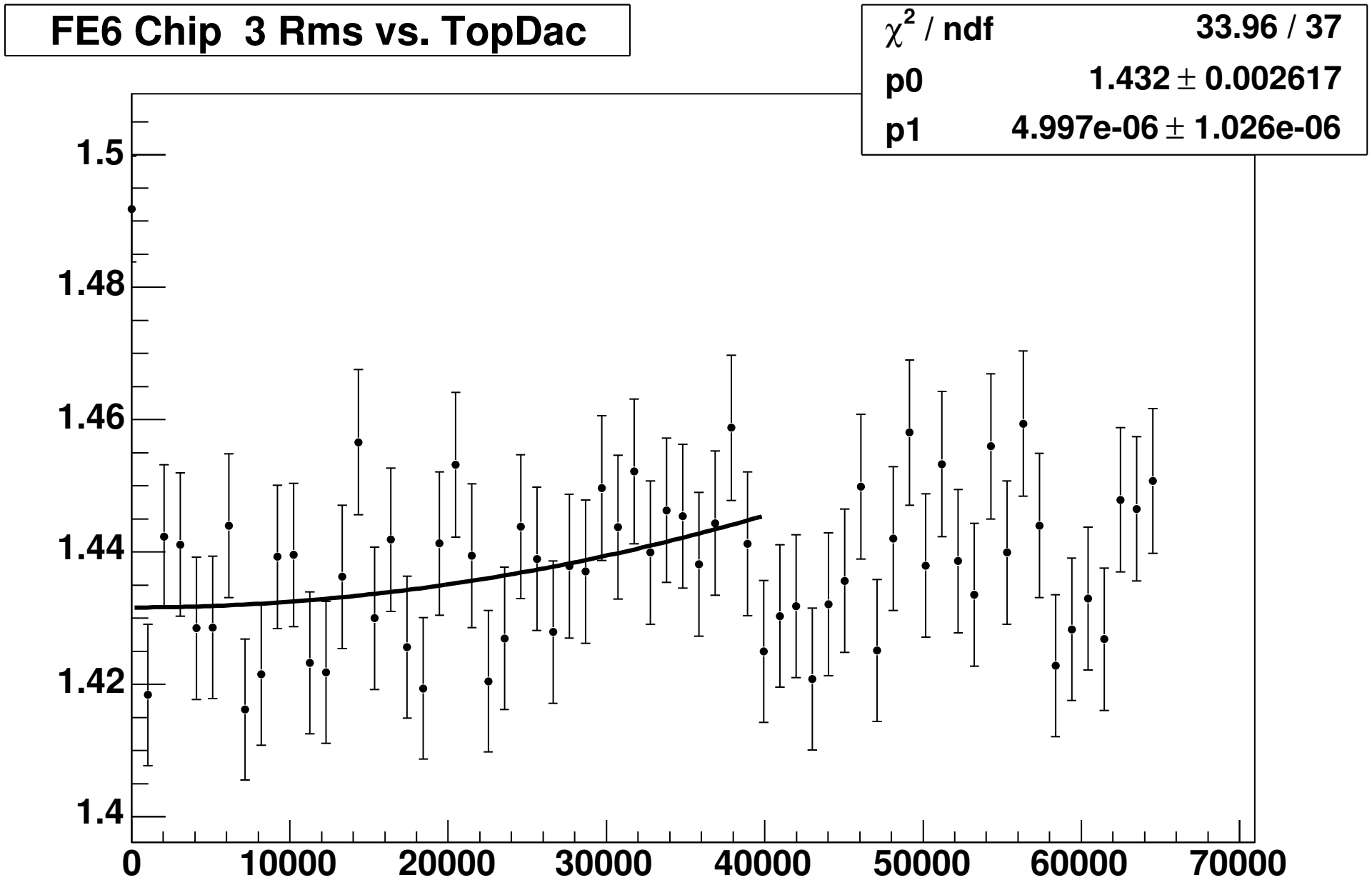
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 33.96 / 37
p0 1.432 ± 0.002617
p1 4.997e-06 ± 1.026e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
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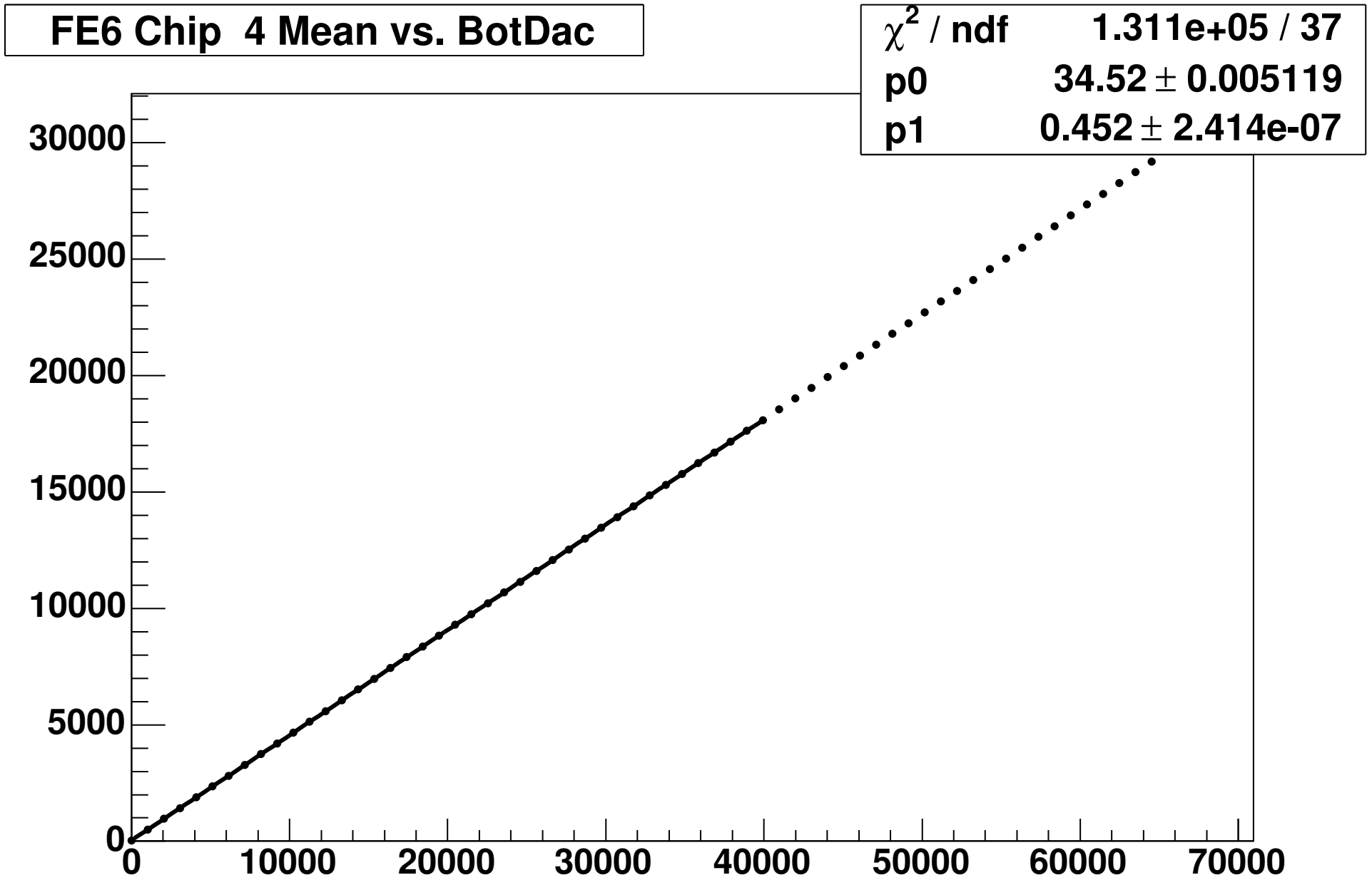
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.311e+05 / 37
p0 34.52 ± 0.005119
p1 0.452 ± 2.414e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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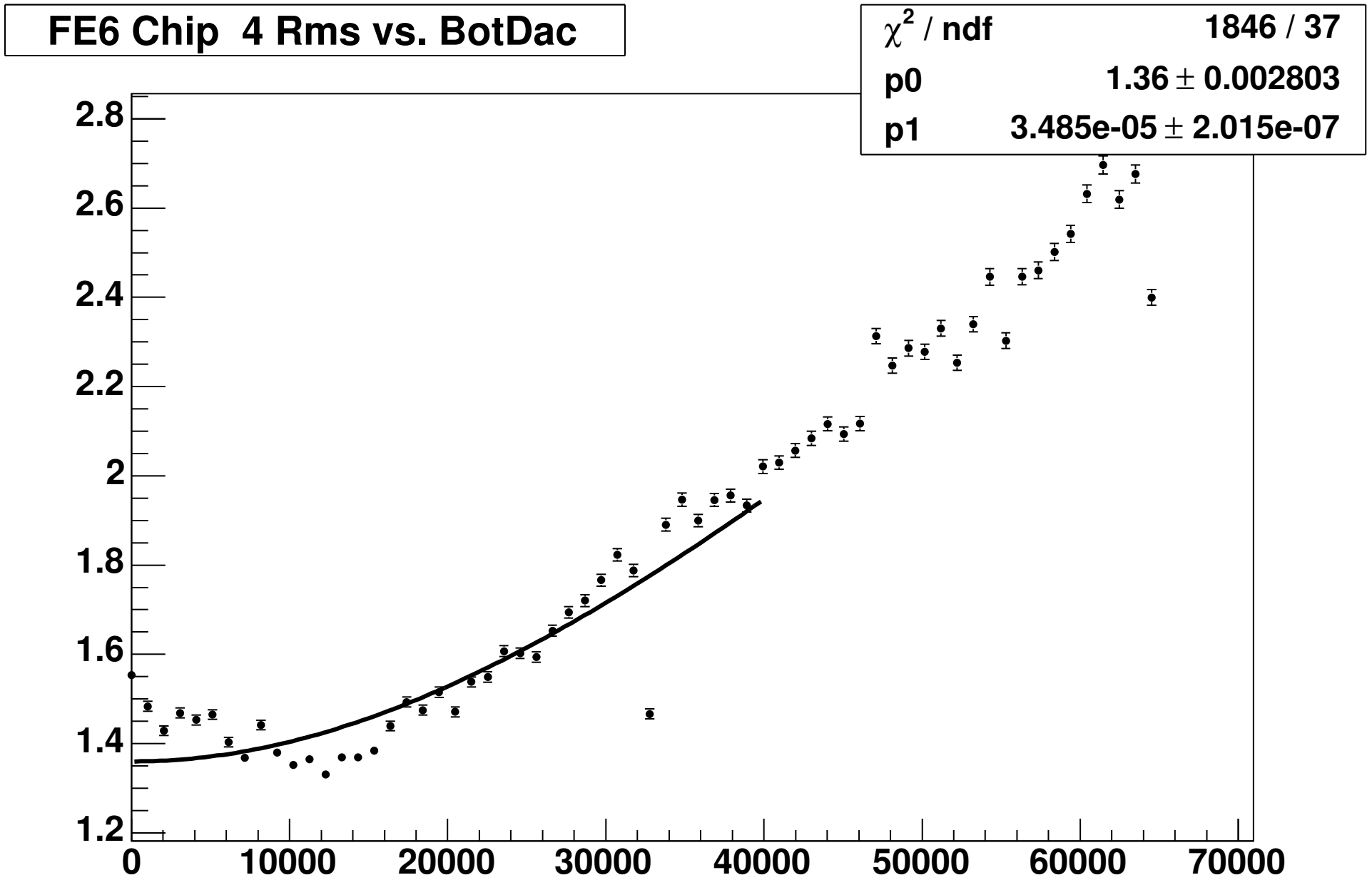
FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1846 / 37
p0 1.36 ± 0.002803
p1 3.485e-05 ± 2.015e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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60000
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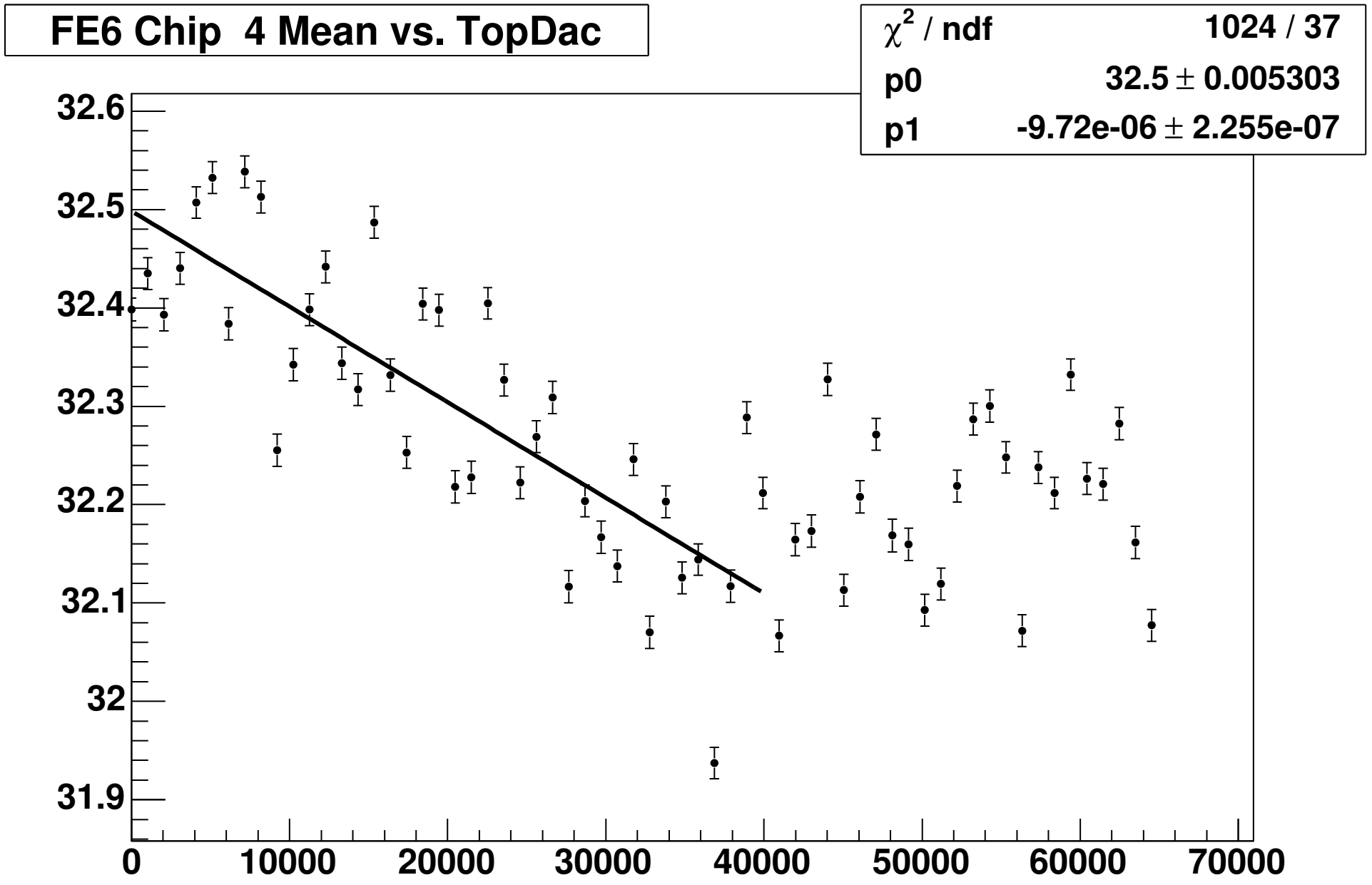
FE6 Chip 4 Mean vs. TopDac
χ² / ndf 1024 / 37
p0 32.5 ± 0.005303
p1 -9.72e-06 ± 2.255e-07
32.6
32.5
32.4
32.3
32.2
32.1
32
31.9
0
10000
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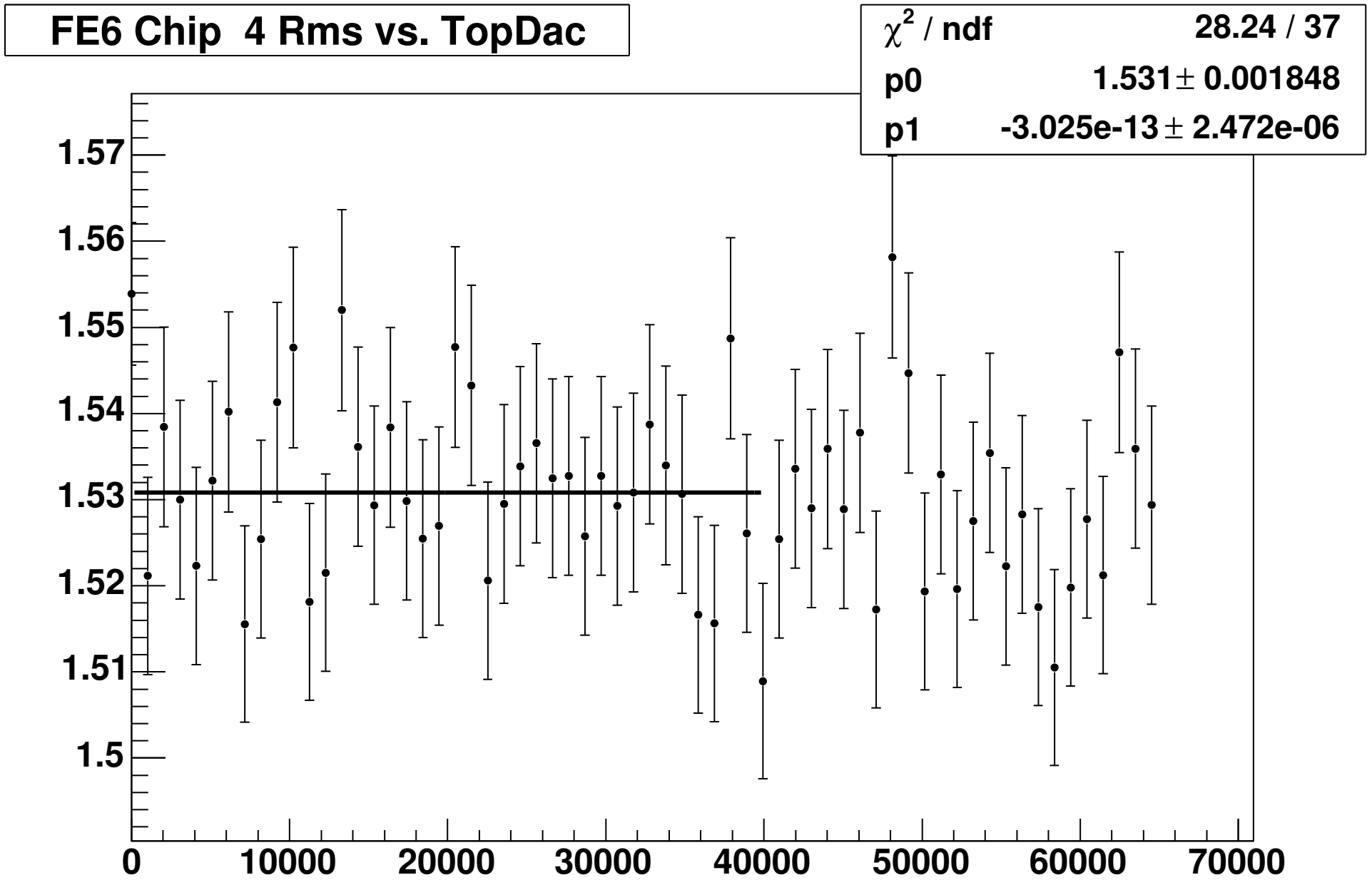
FE6 Chip 4 Rms vs. TopDac
χ² / ndf 28.24 / 37
p0 1.531 ± 0.001848
p1 -3.025e-13 ± 2.472e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
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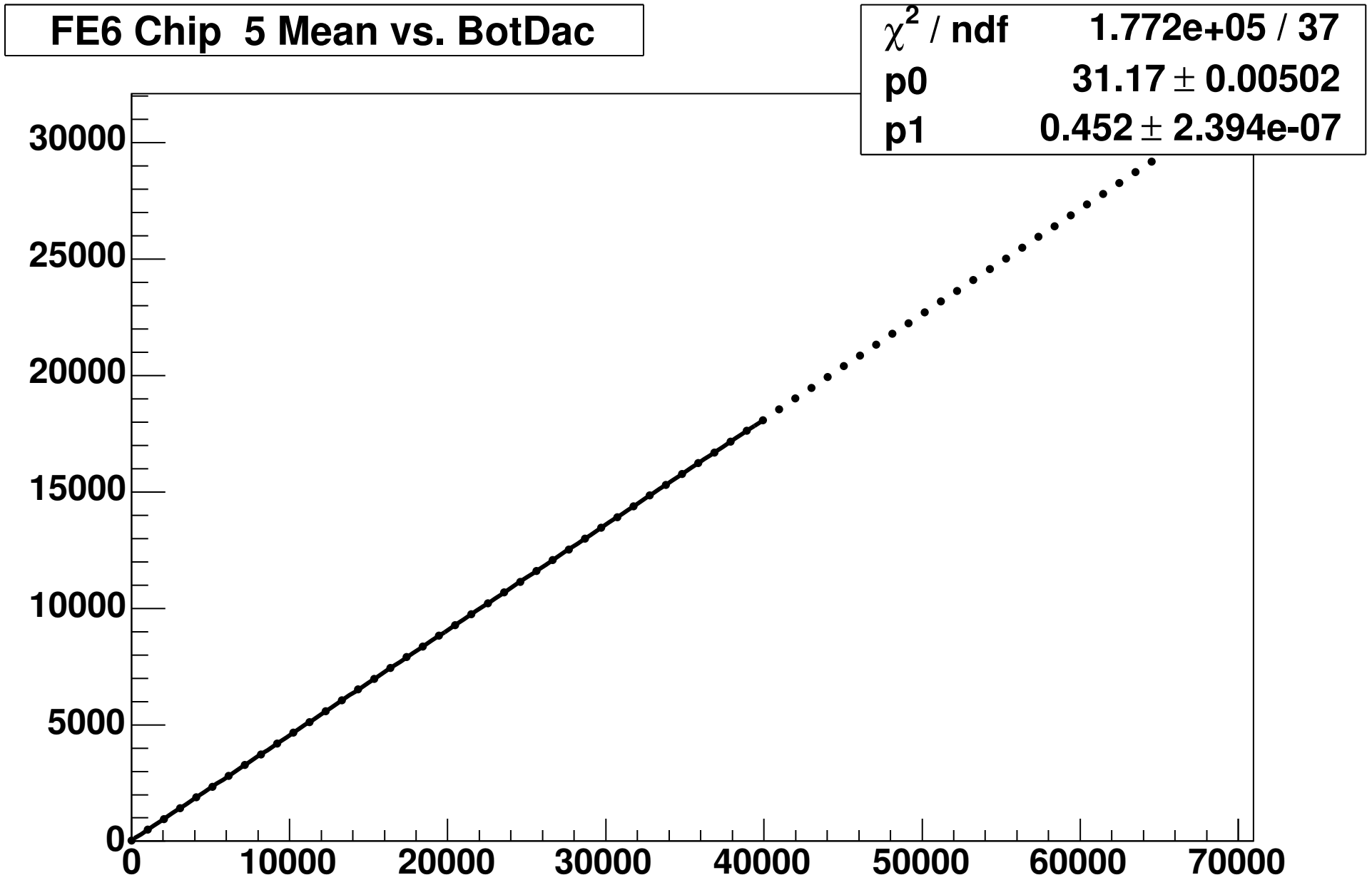
FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.772e+05 / 37
p0 31.17 ± 0.00502
p1 0.452 ± 2.394e-07
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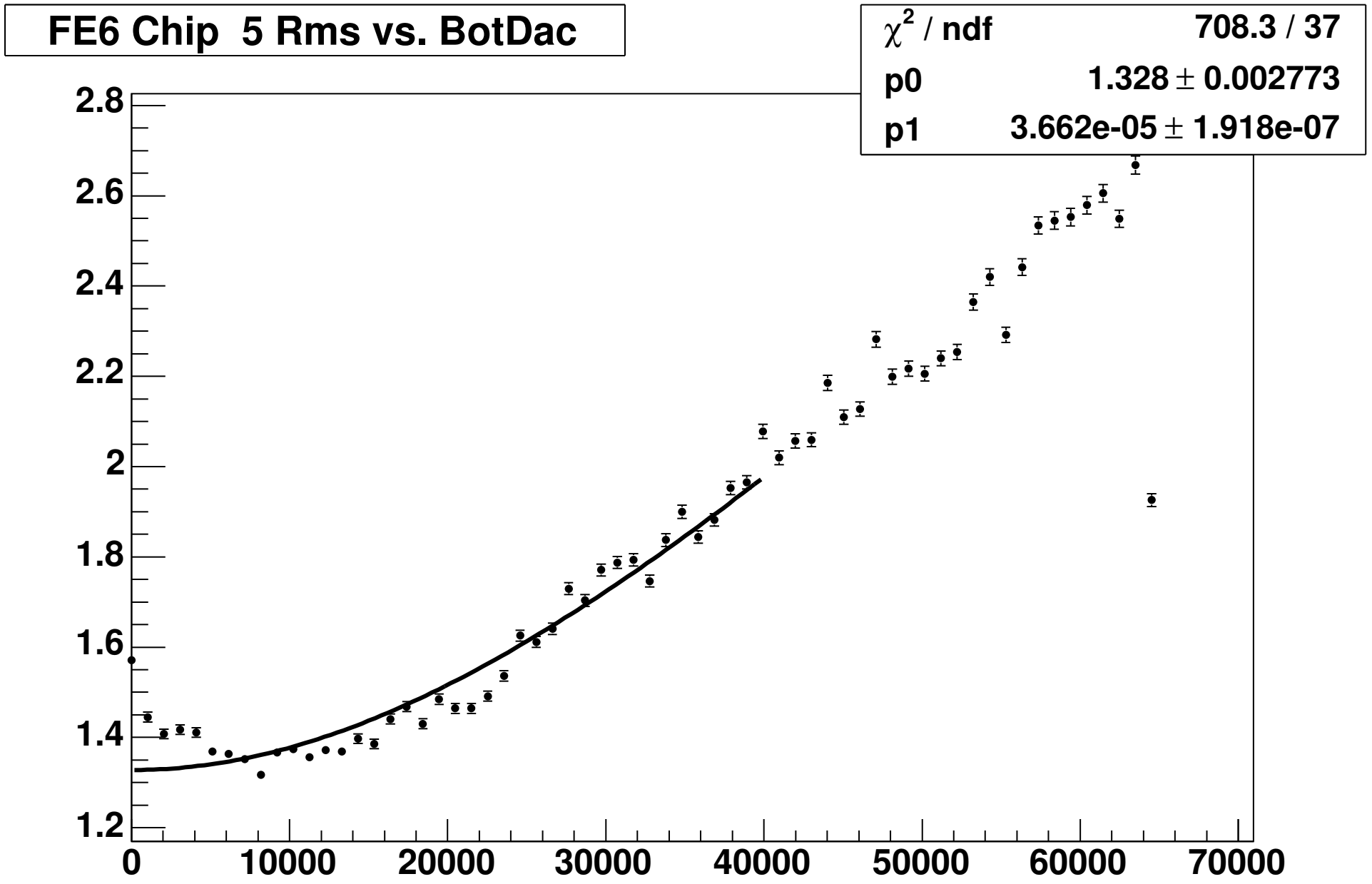
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 708.3 / 37
p0 1.328 ± 0.002773
p1 3.662e-05 ± 1.918e-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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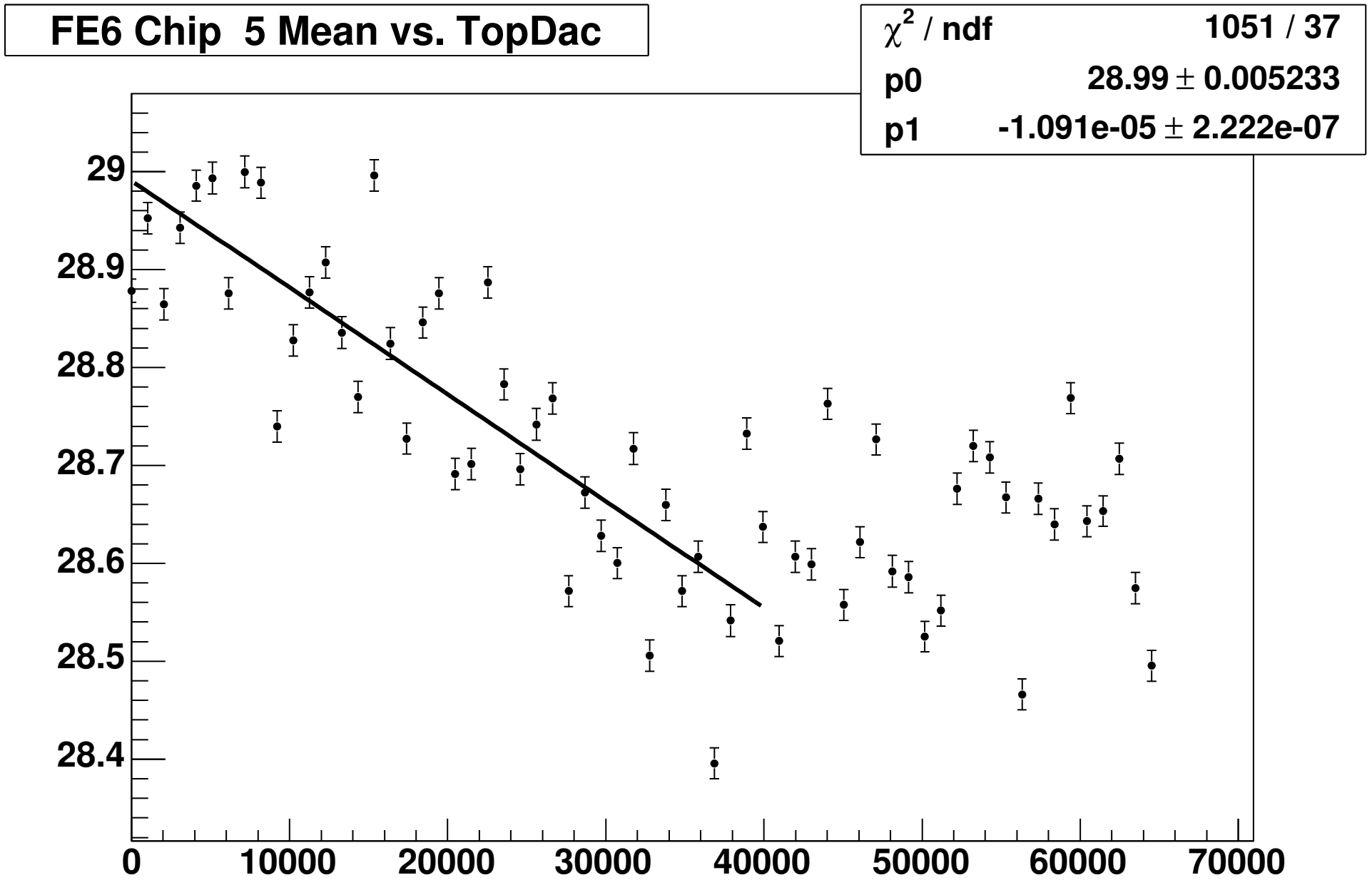
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 1051 / 37
p0 28.99 ± 0.005233
p1 -1.091e-05 ± 2.222e-07
29
28.9
28.8
28.7
28.6
28.5
28.4
0
10000
20000
30000
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50000
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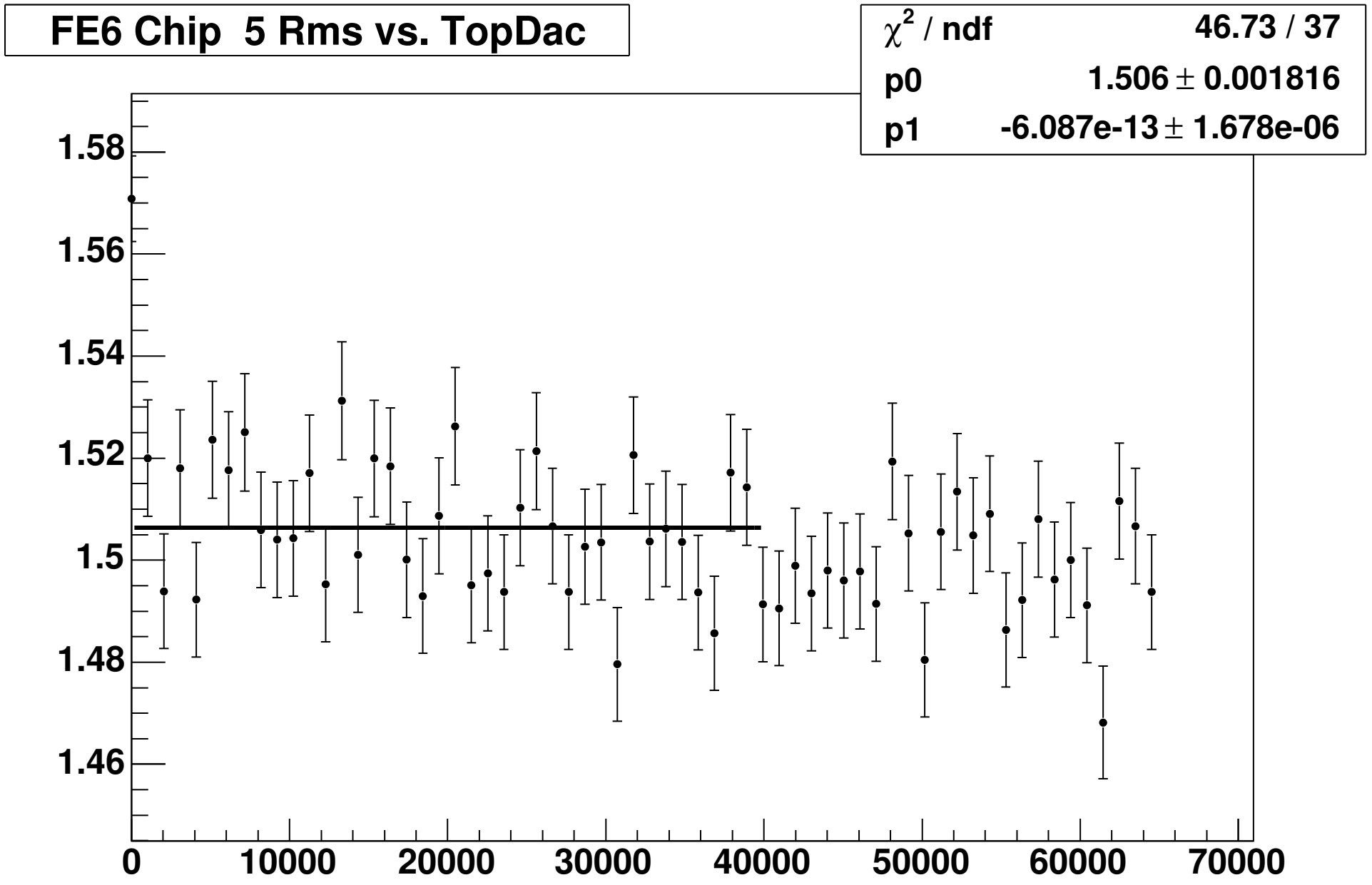
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 46.73 / 37
p0 1.506 ± 0.001816
p1 -6.087e-13 ± 1.678e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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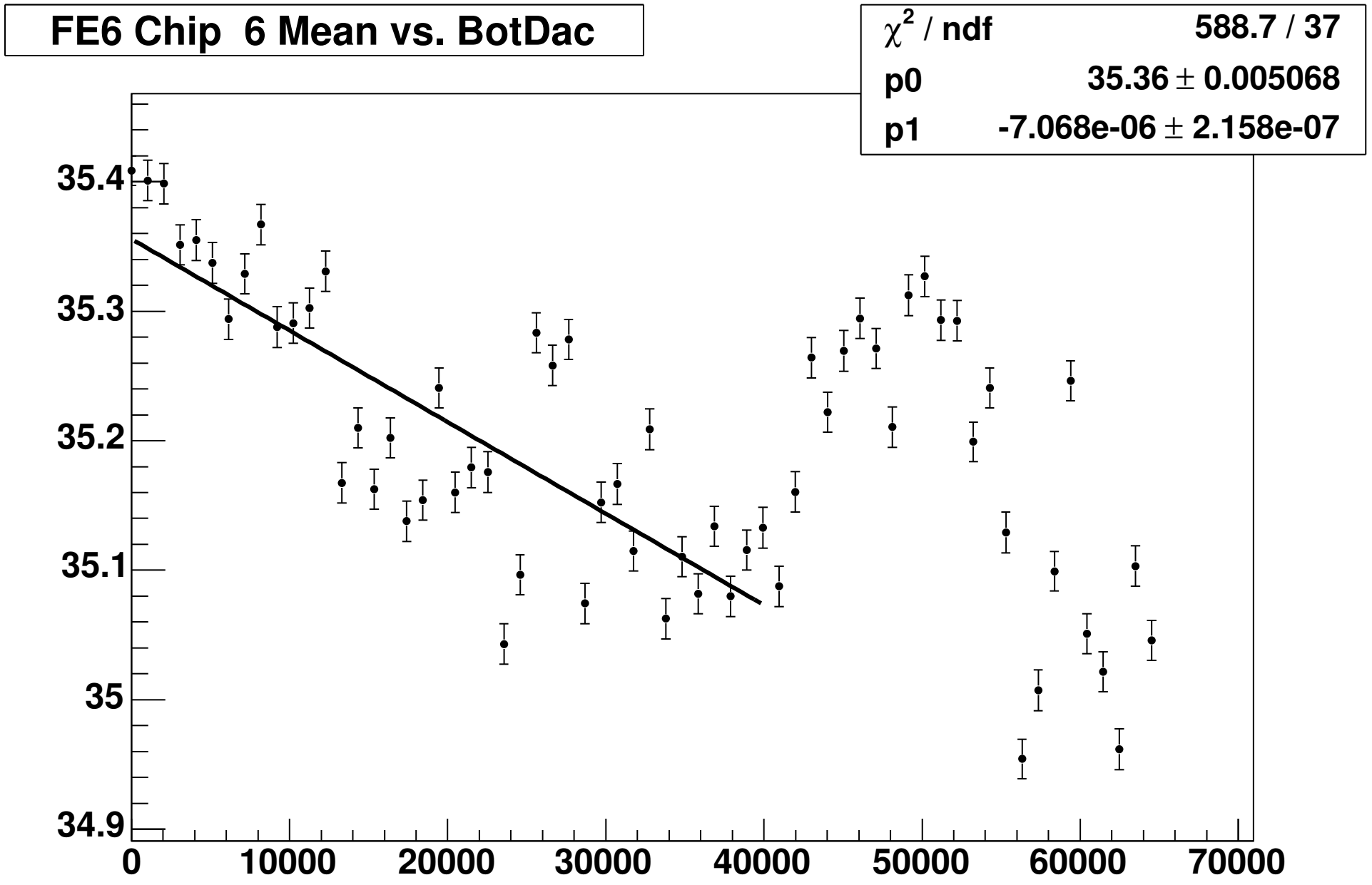
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 588.7 / 37
p0 35.36 ± 0.005068
p1 -7.068e-06 ± 2.158e-07
35.4
35.3
35.2
35.1
35
34.9
0
10000
20000
30000
40000
50000
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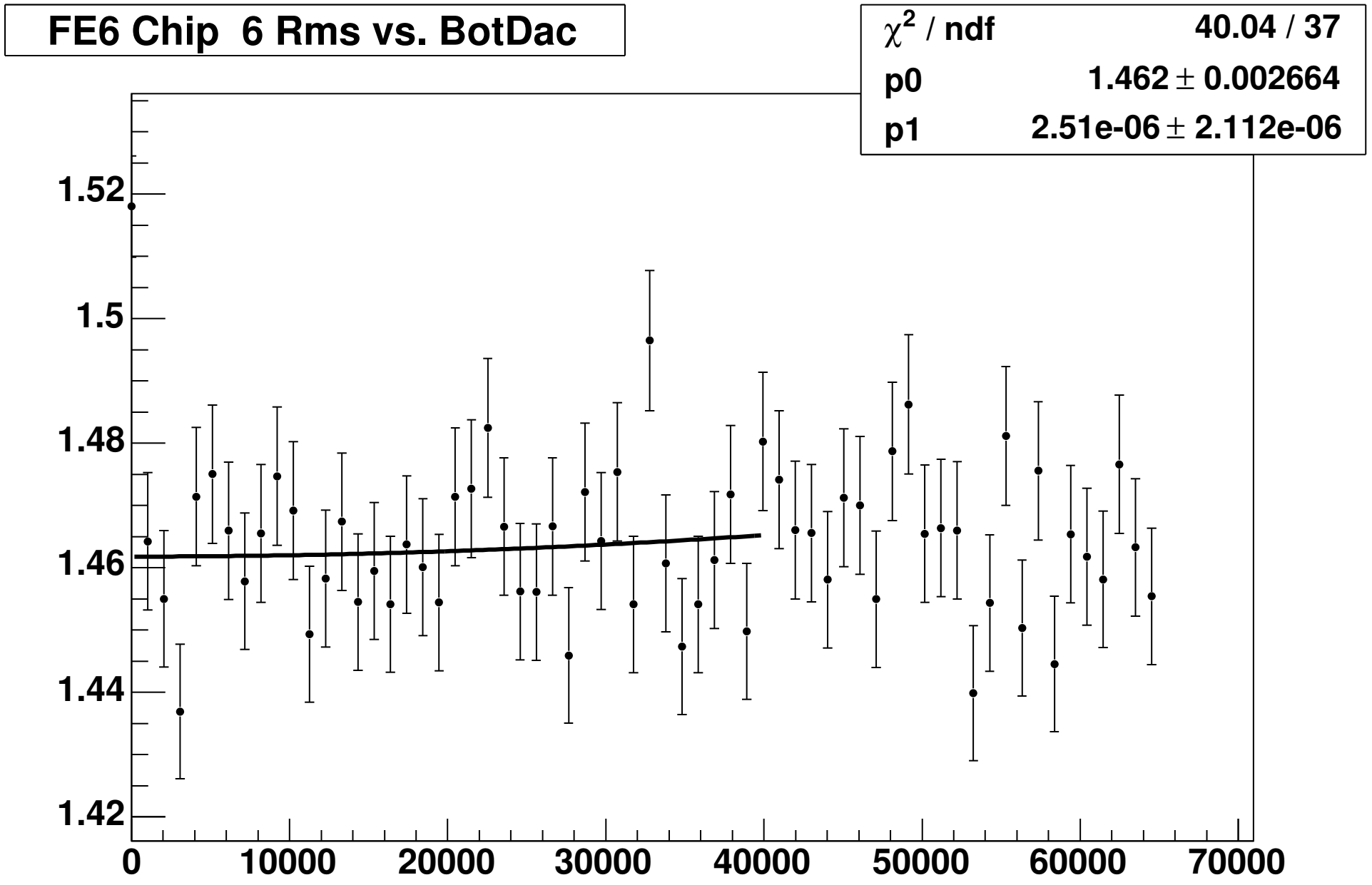
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 40.04 / 37
p0 1.462 ± 0.002664
p1 2.51e-06 ± 2.112e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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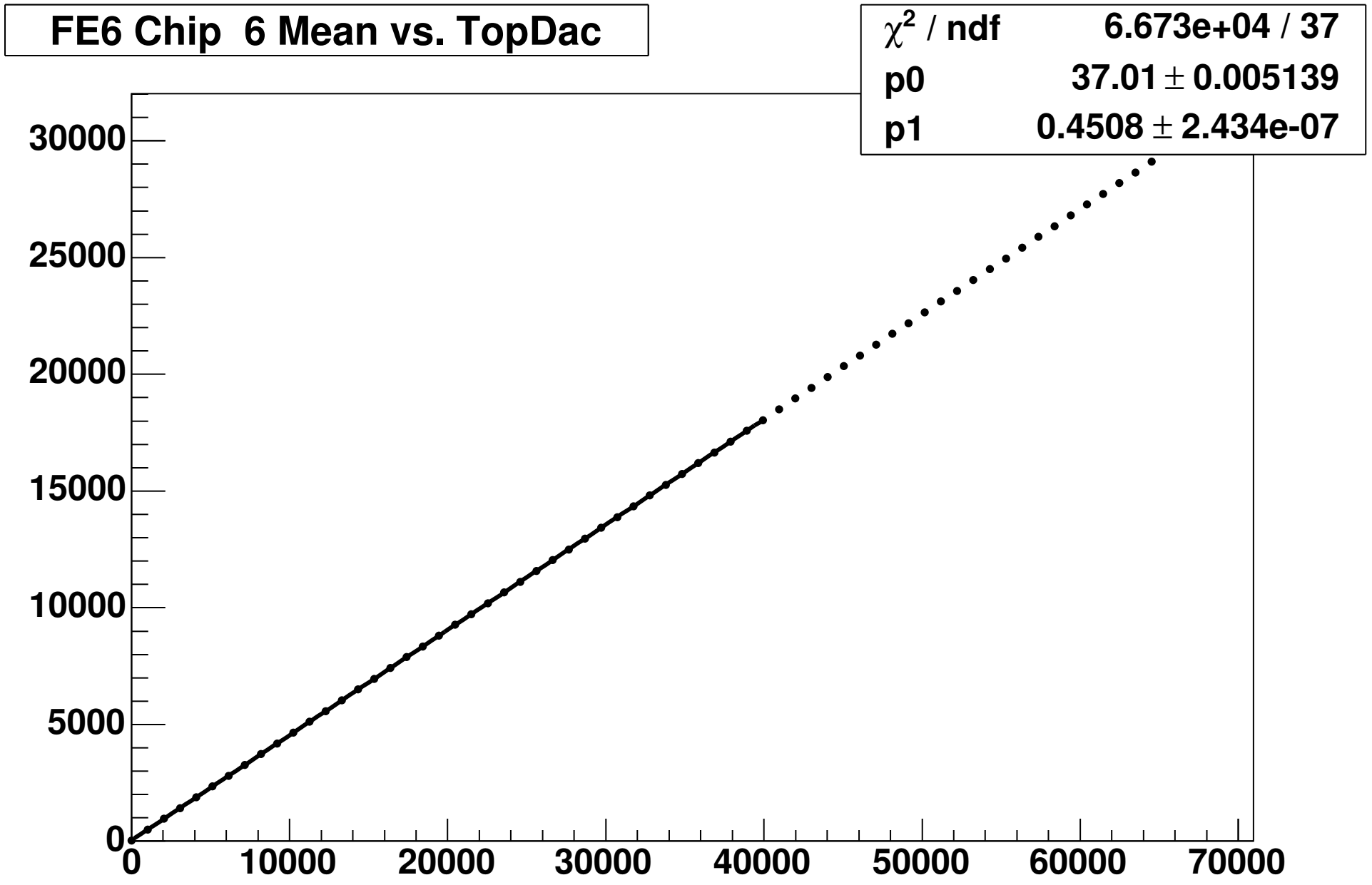
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 6.673e+04 / 37
p0 37.01 ± 0.005139
p1 0.4508 ± 2.434e-07
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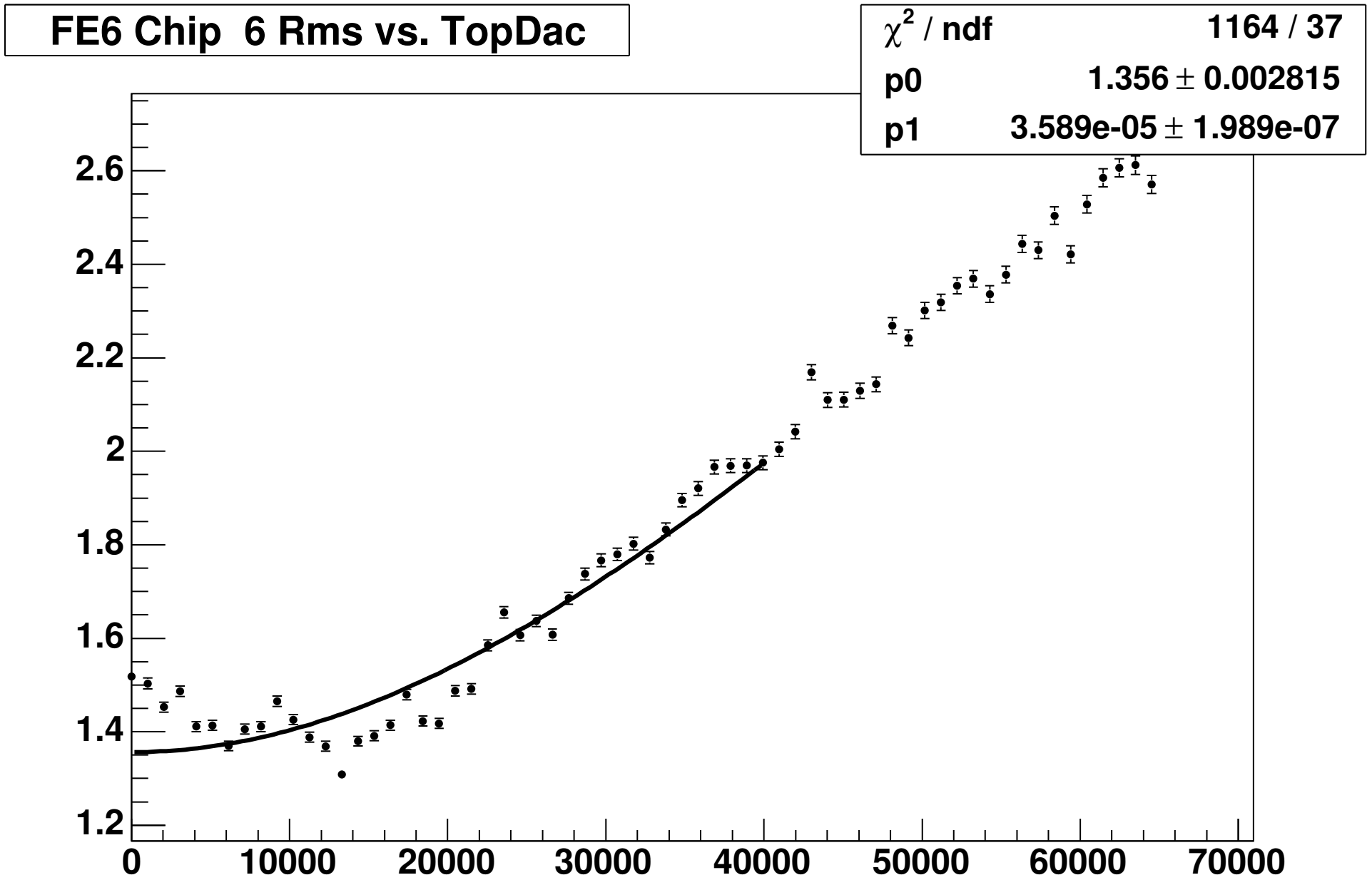
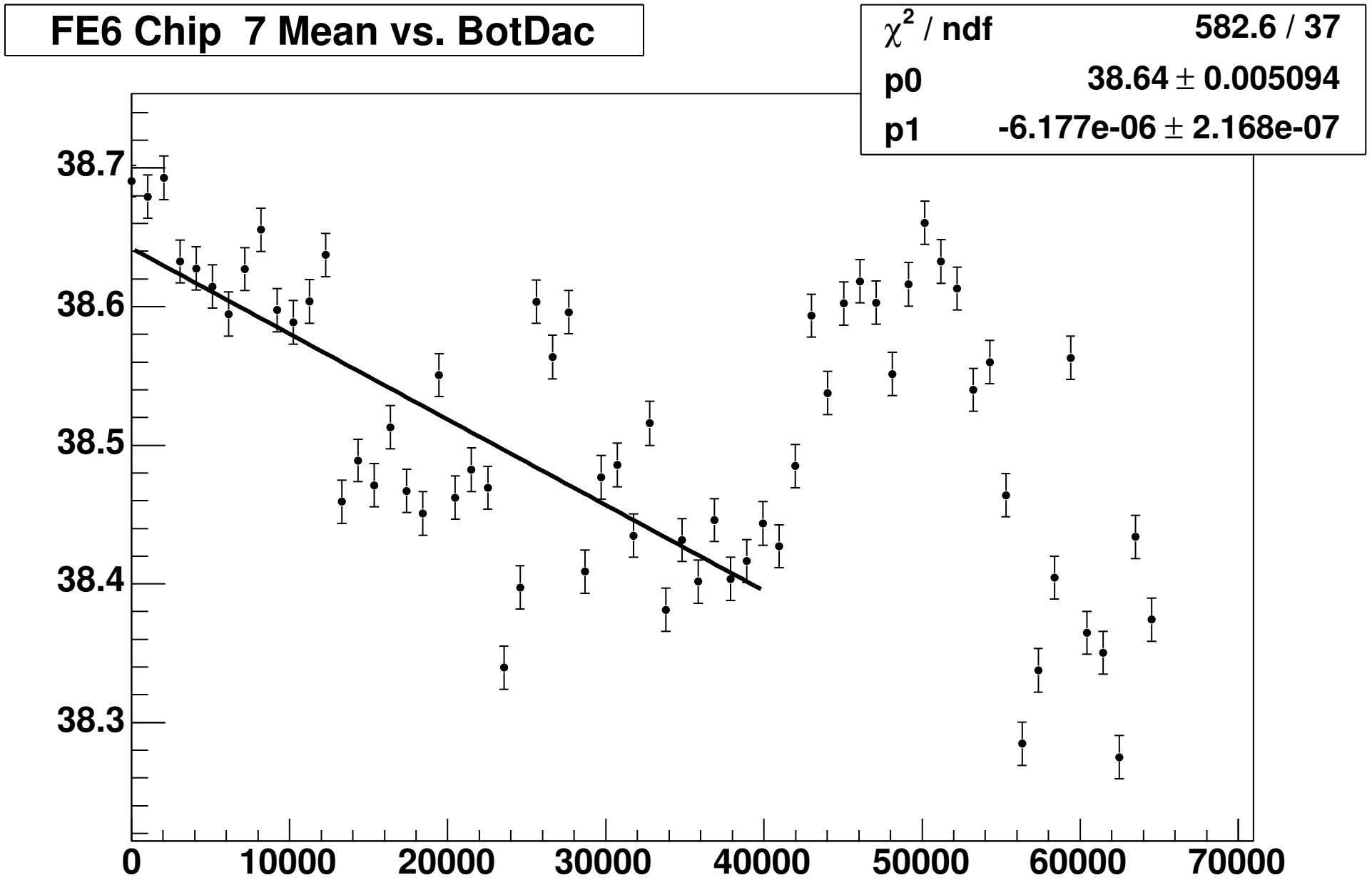
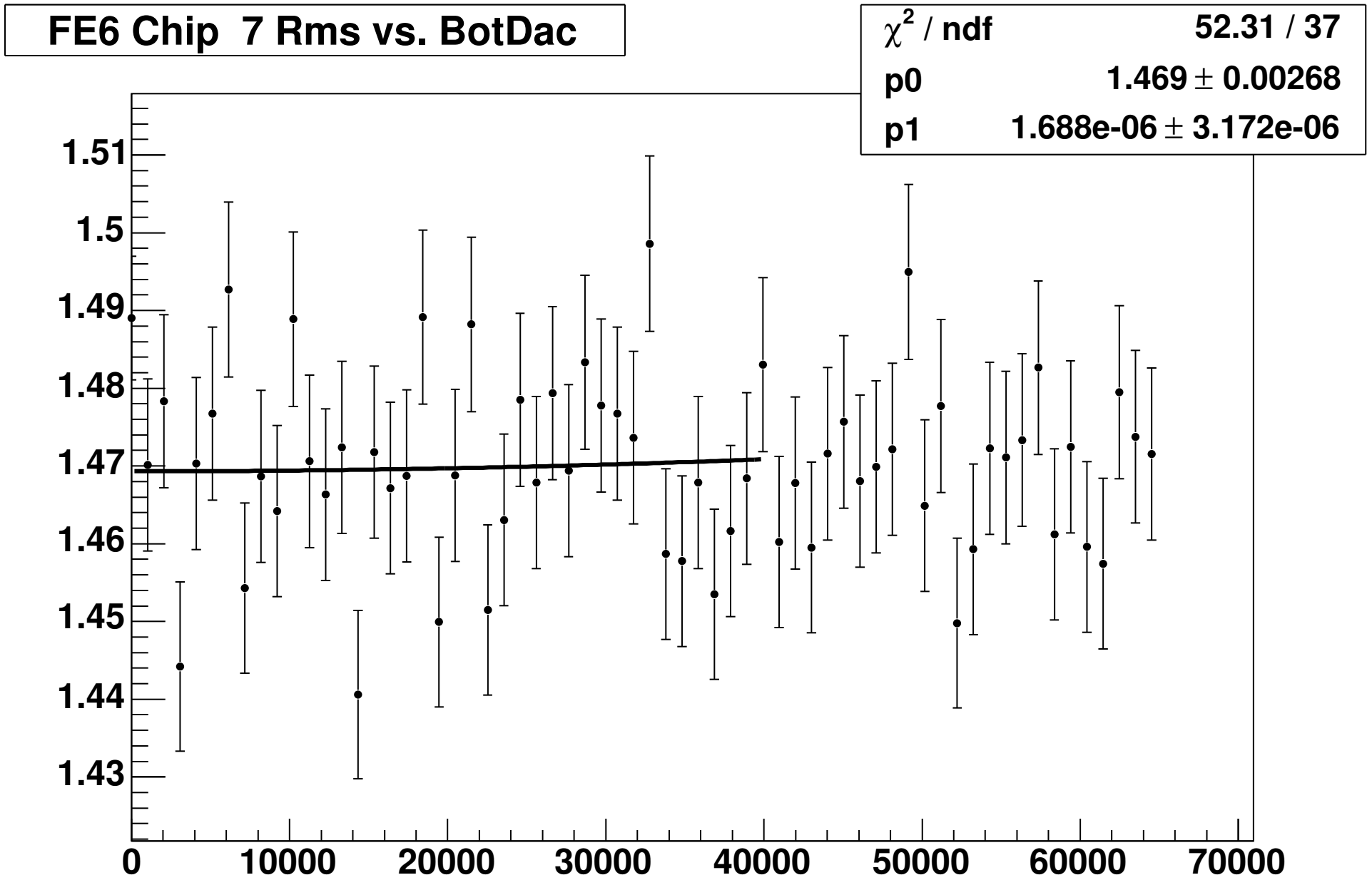
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1164 / 37
p0 1.356 ± 0.002815
p1 3.589e-05 ± 1.989e-07
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 7 Mean vs. BotDac
χ² / ndf 582.6 / 37
p0 38.64 ± 0.005094
p1 -6.177e-06 ± 2.168e-07
38.7
38.6
38.5
38.4
38.3
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 52.31 / 37
p0 1.469 ± 0.00268
p1 1.688e-06 ± 3.172e-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
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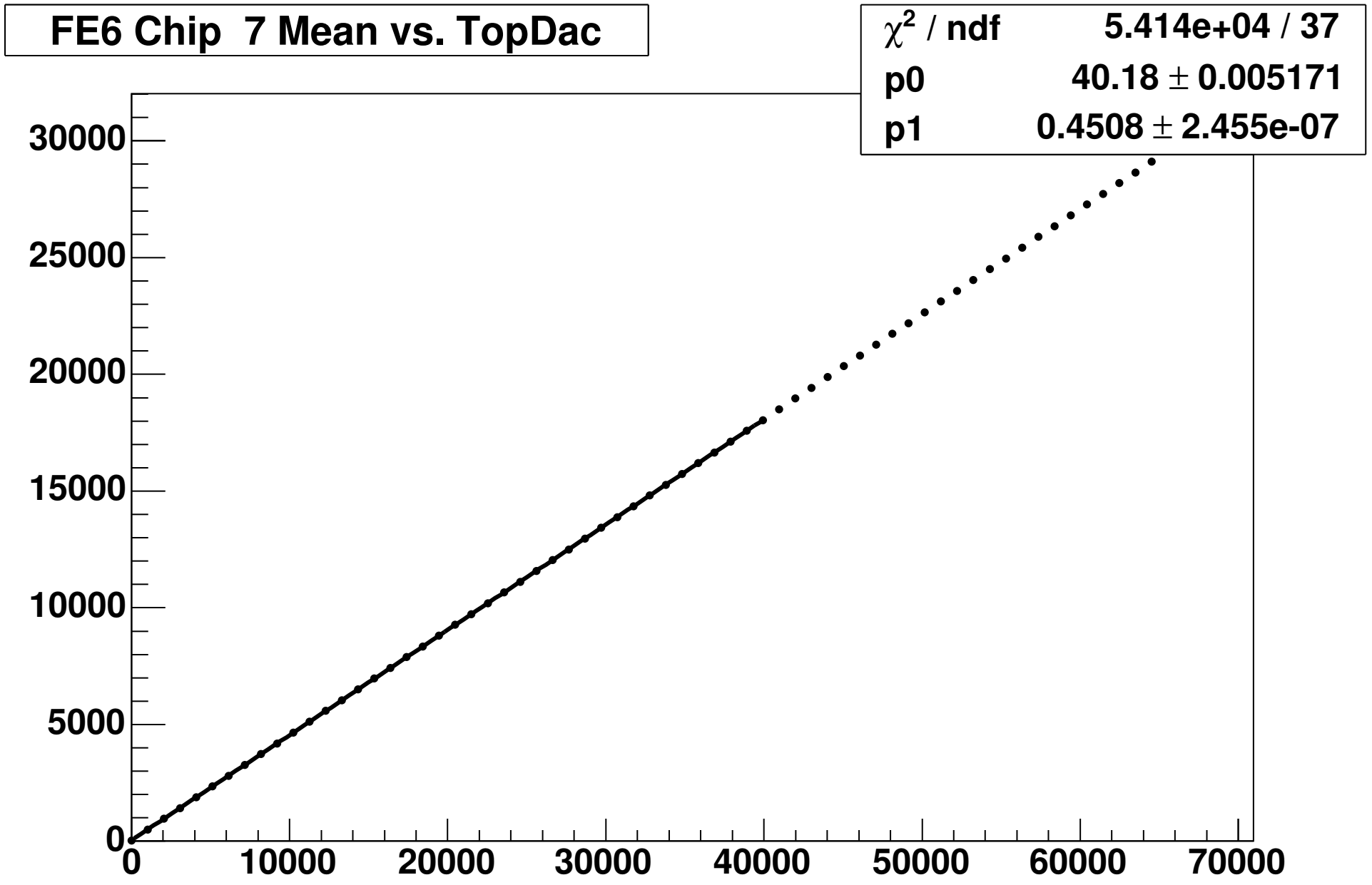
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 5.414e+04 / 37
p0 40.18 ± 0.005171
p1 0.4508 ± 2.455e-07
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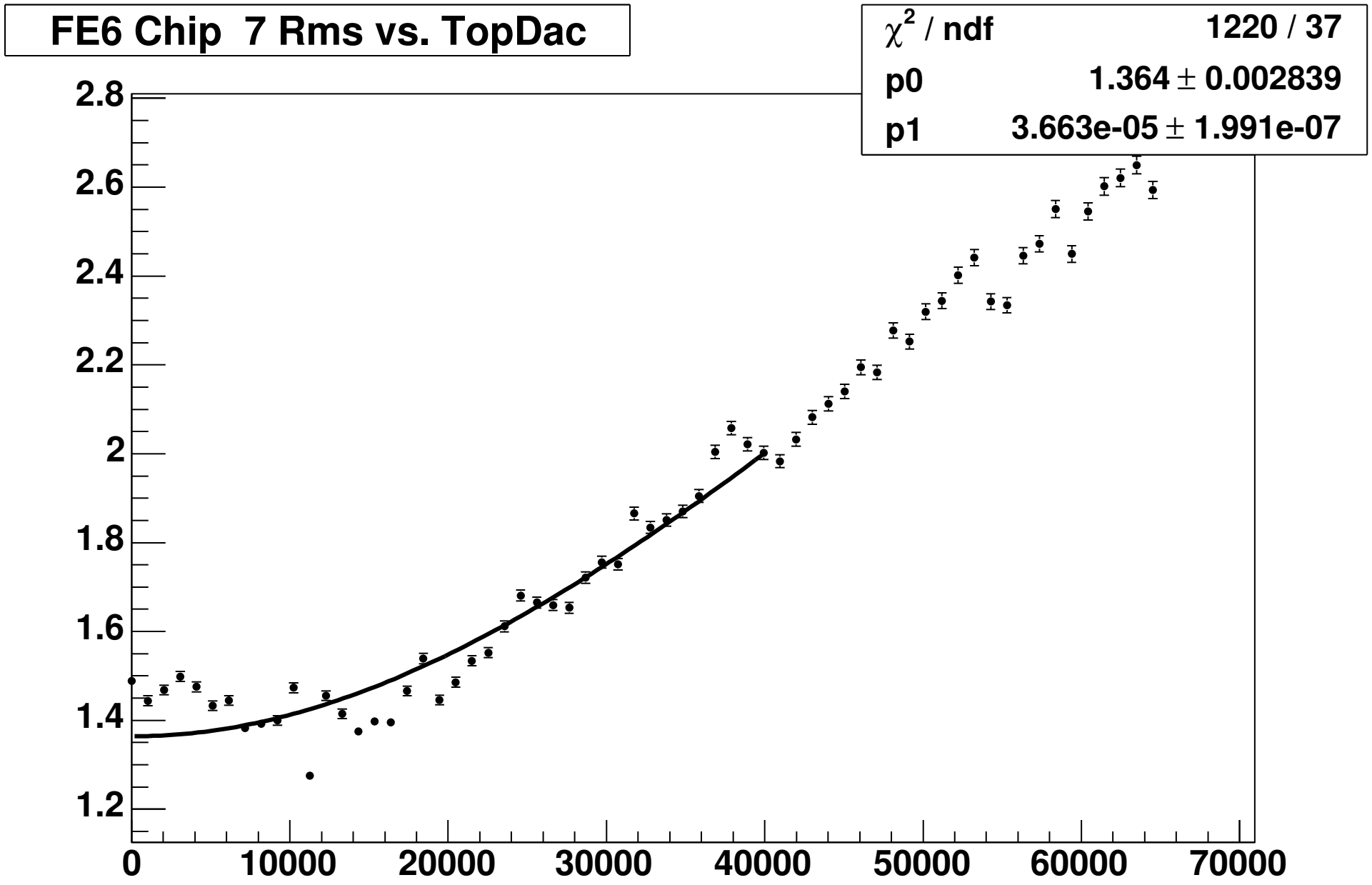
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1220 / 37
p0 1.364 ± 0.002839
p1 3.663e-05 ± 1.991e-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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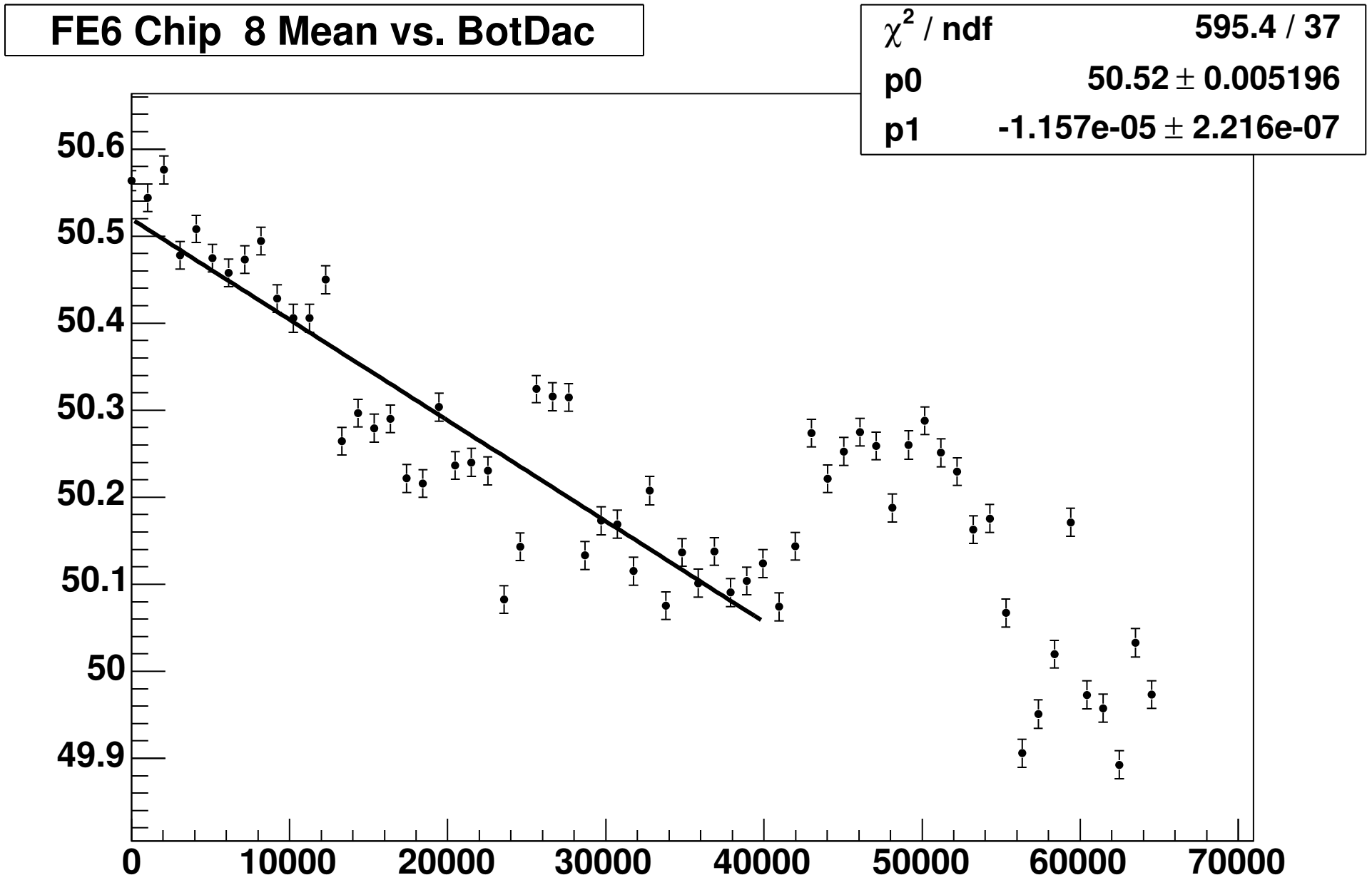
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 595.4 / 37
p0 50.52 ± 0.005196
p1 -1.157e-05 ± 2.216e-07
50.6
50.5
50.4
50.3
50.2
50.1
50
49.9
0
10000
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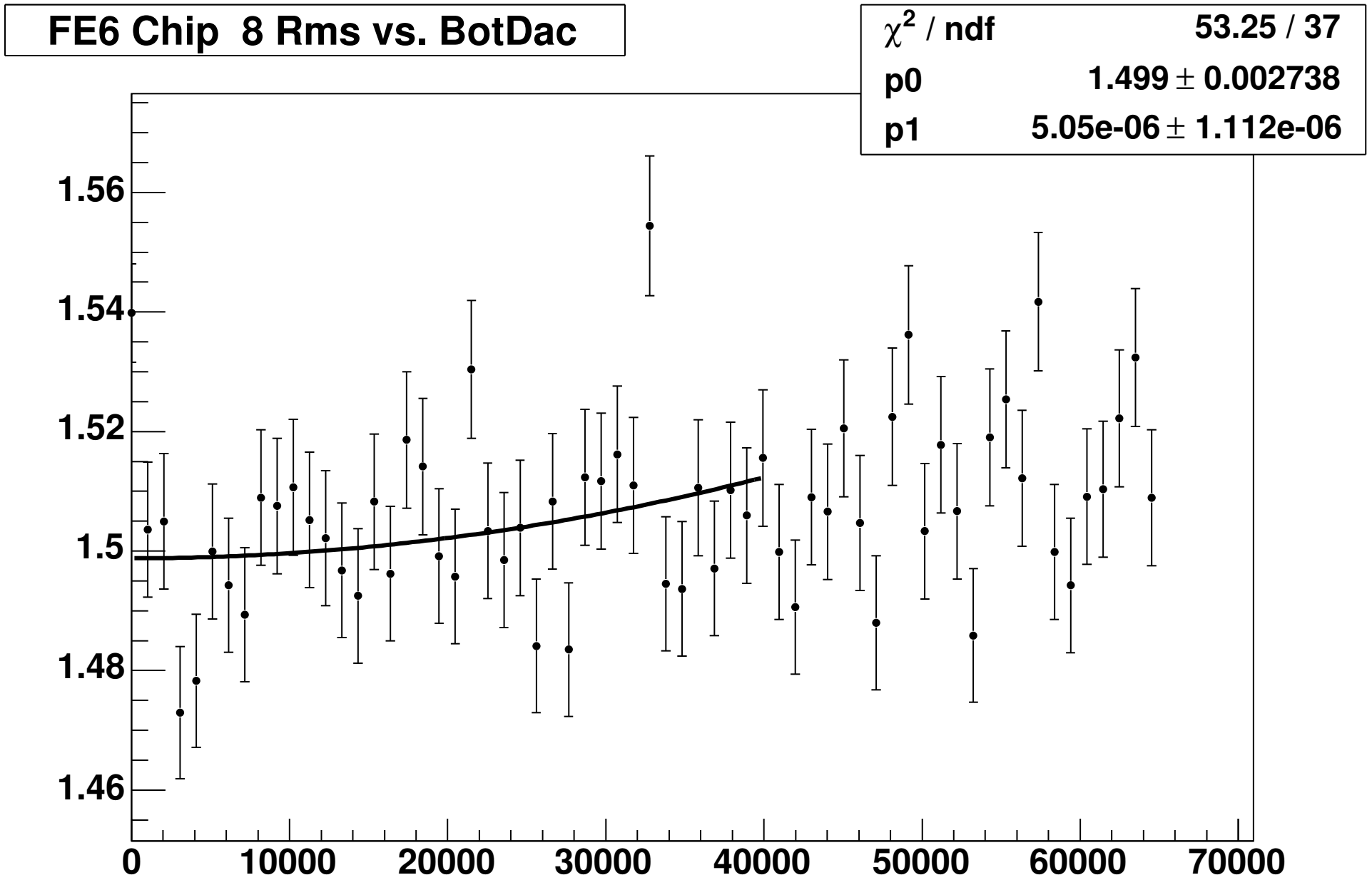
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 53.25 / 37
p0 1.499 ± 0.002738
p1 5.05e-06 ± 1.112e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
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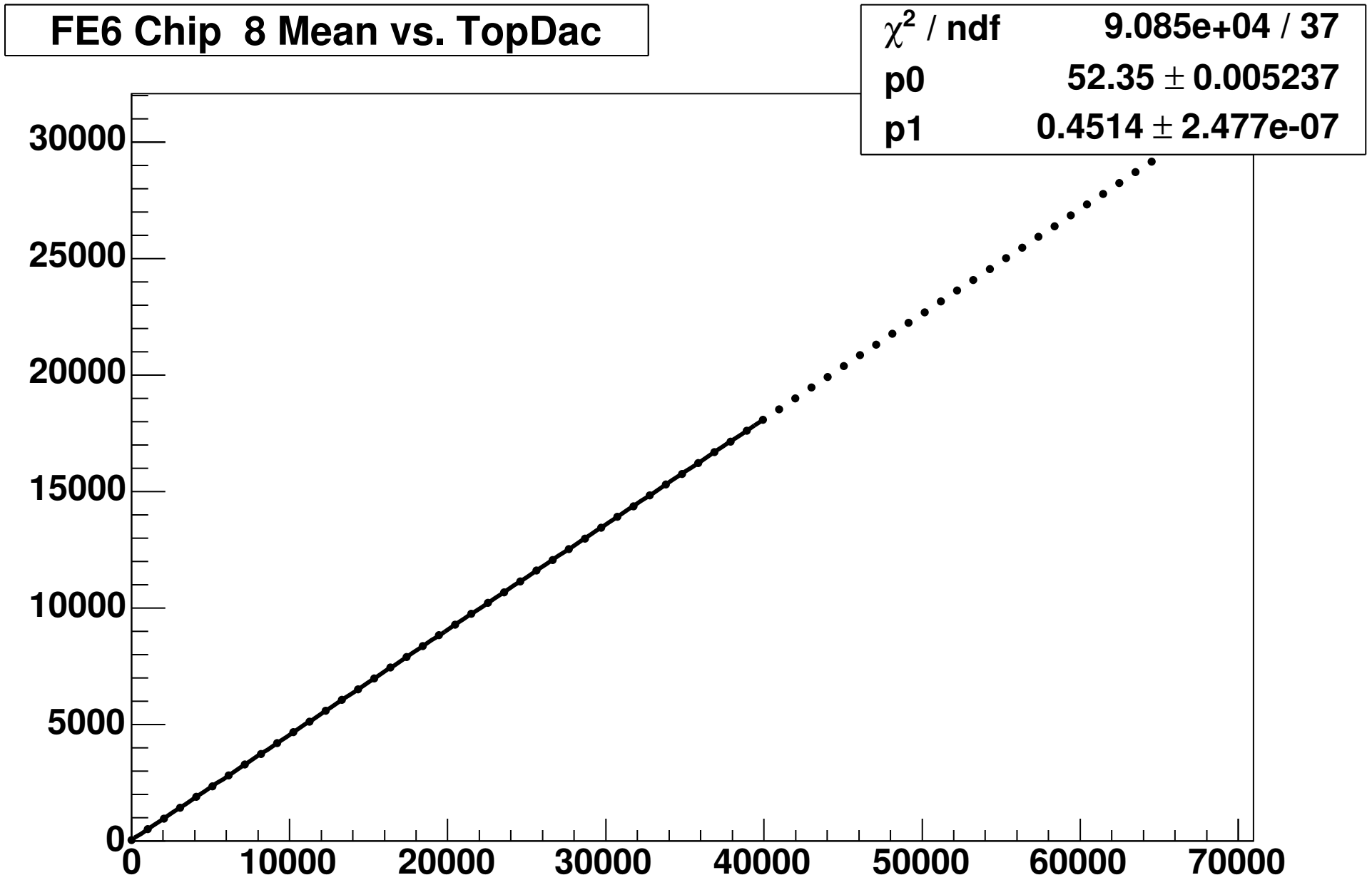
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 9.085e+04 / 37
p0 52.35 ± 0.005237
p1 0.4514 ± 2.477e-07
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15000
10000
5000
0
0
10000
20000
30000
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60000
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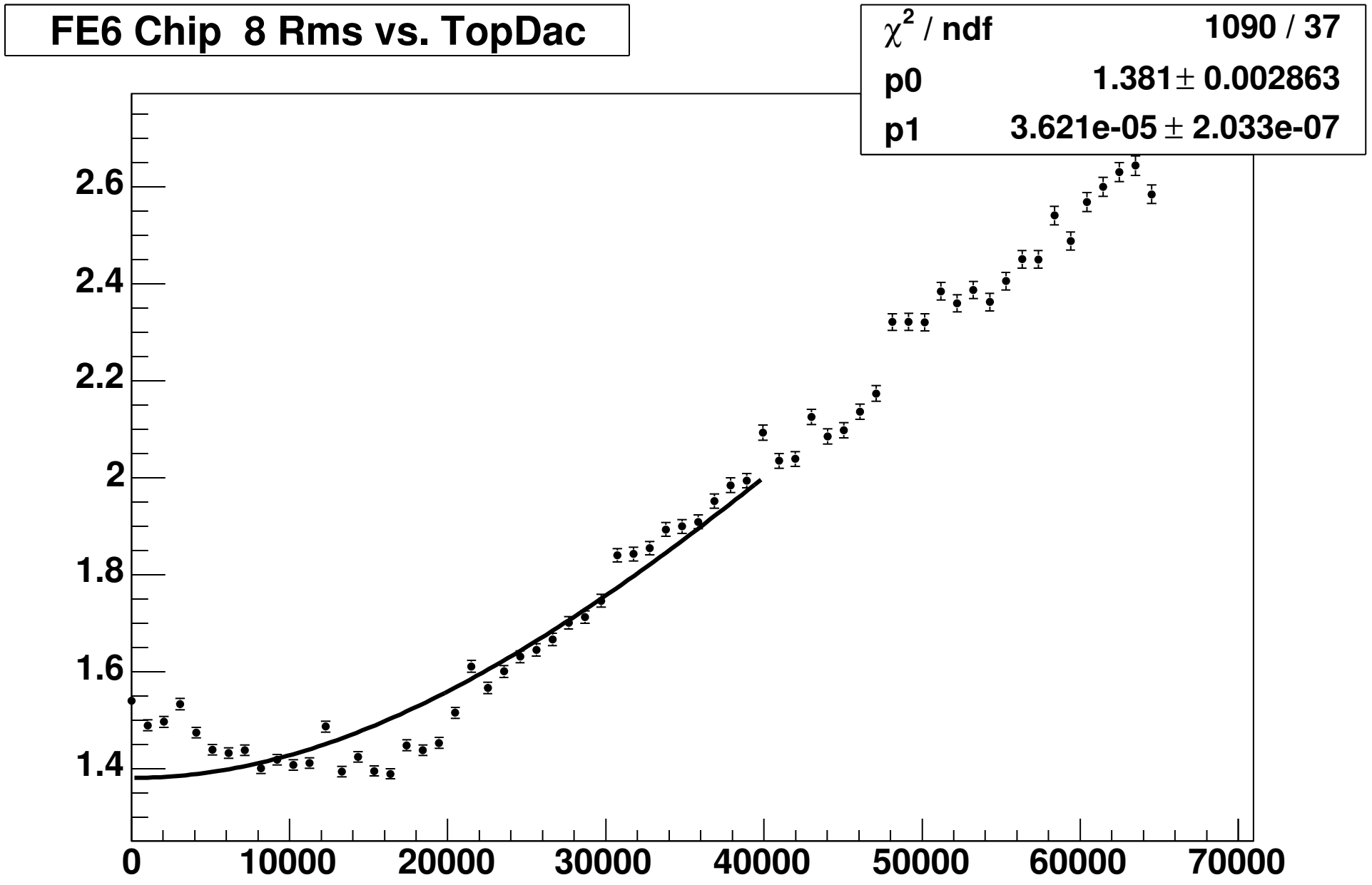
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1090 / 37
p0 1.381 ± 0.002863
p1 3.621e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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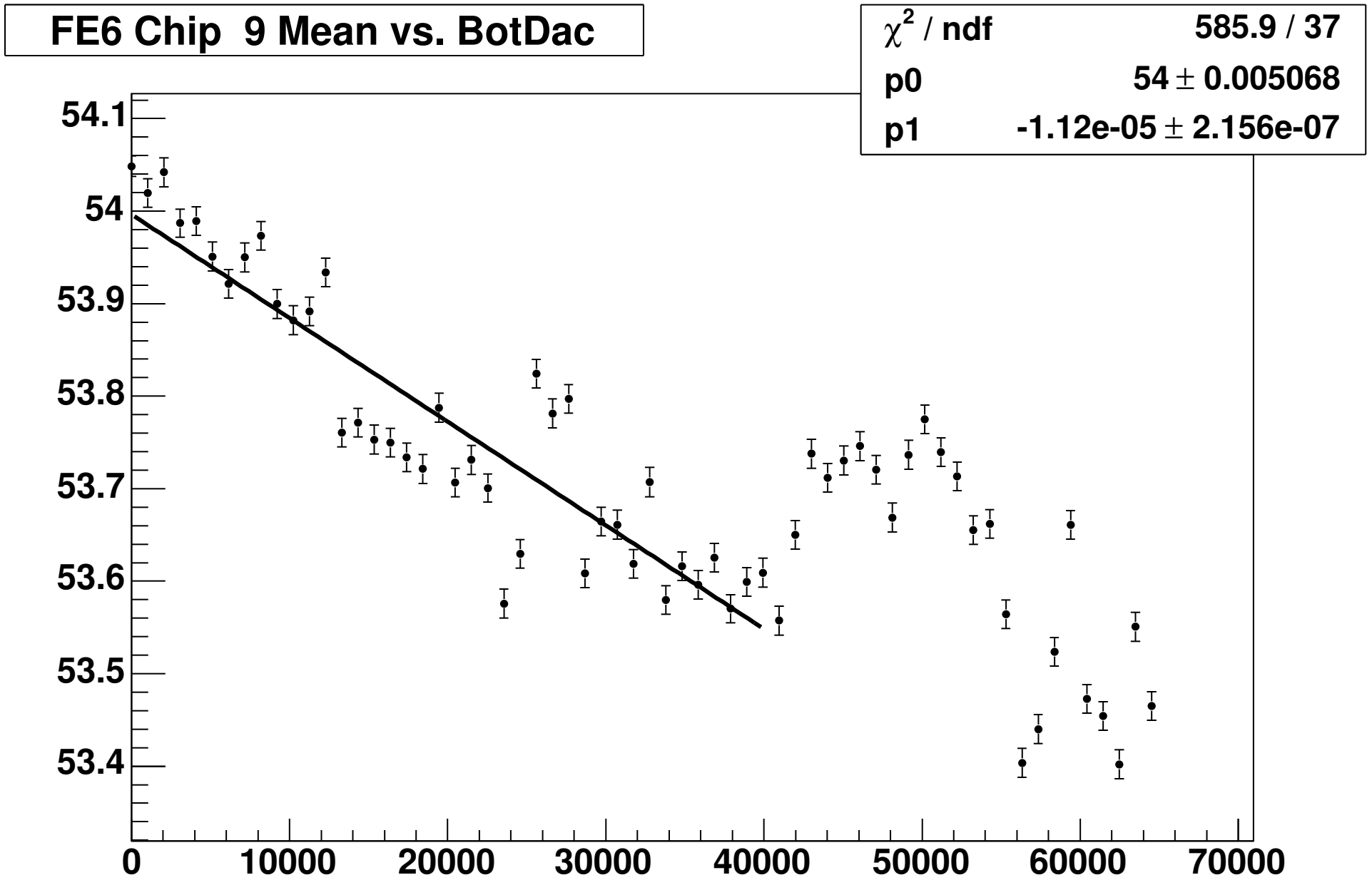
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 585.9 / 37
p0 54 ± 0.005068
p1 -1.12e-05 ± 2.156e-07
54.1
54
53.9
53.8
53.7
53.6
53.5
53.4
0
10000
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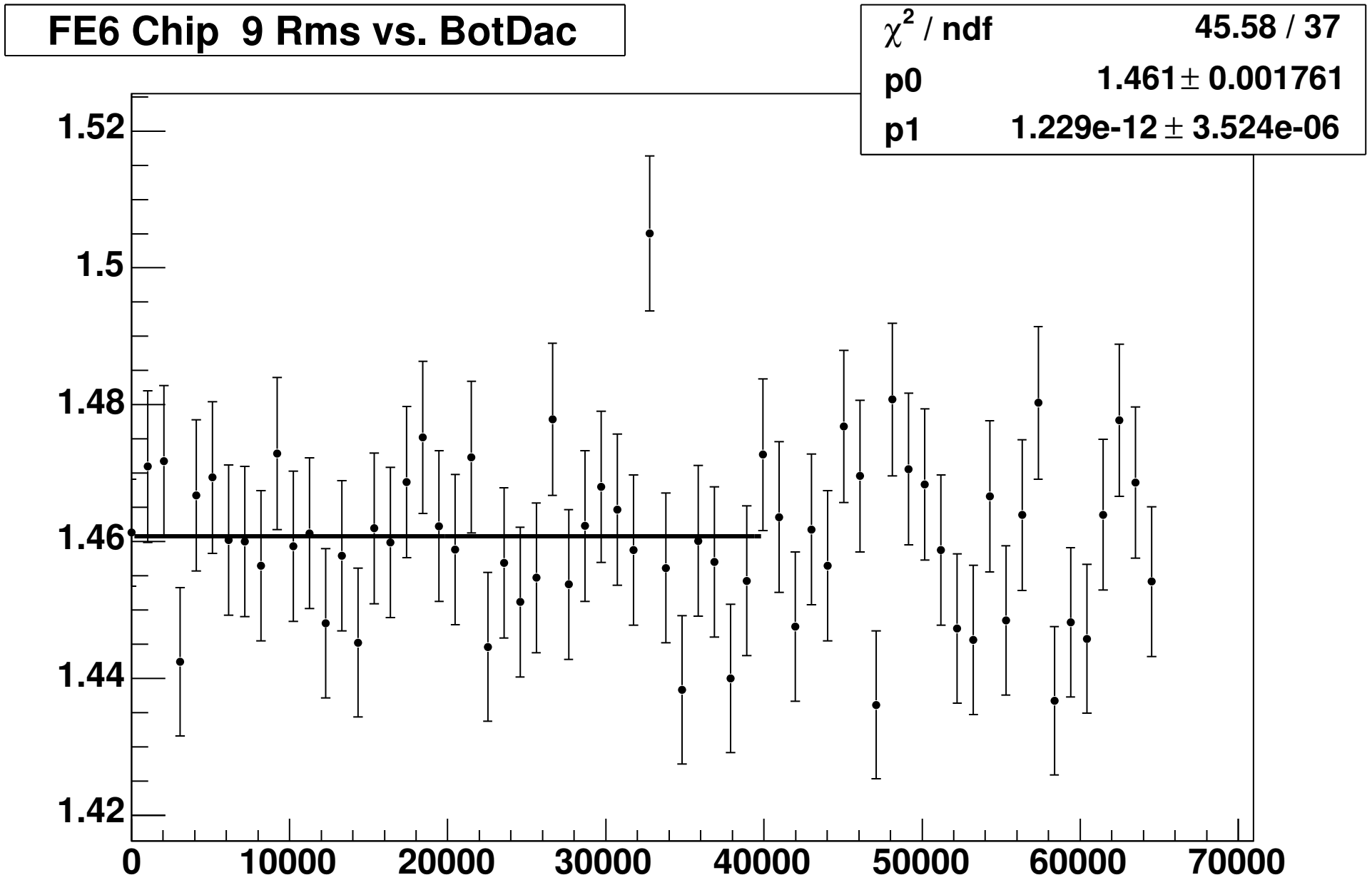
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 45.58 / 37
p0 1.461 ± 0.001761
p1 1.229e-12 ± 3.524e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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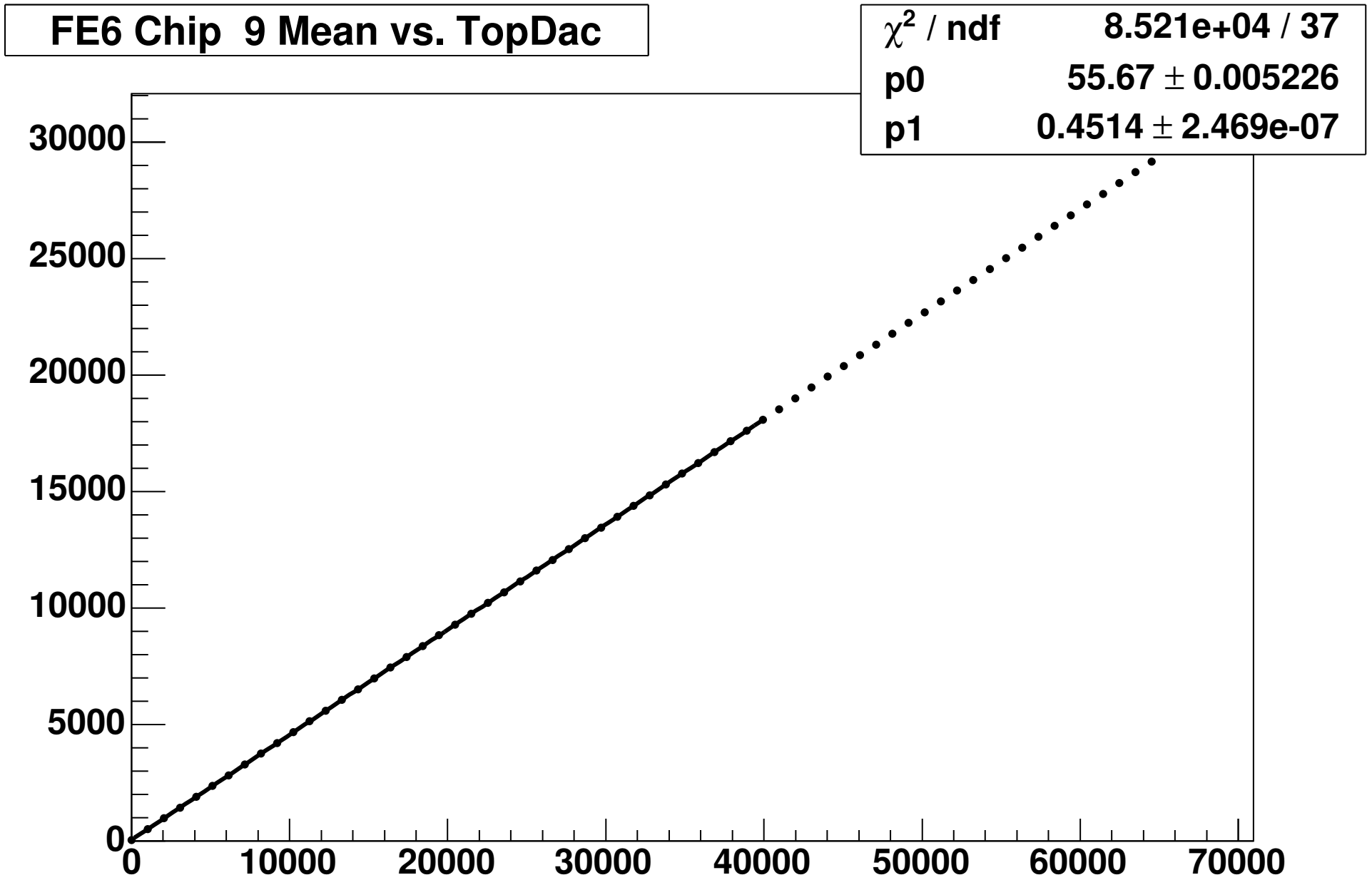
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 8.521e+04 / 37
p0 55.67 ± 0.005226
p1 0.4514 ± 2.469e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
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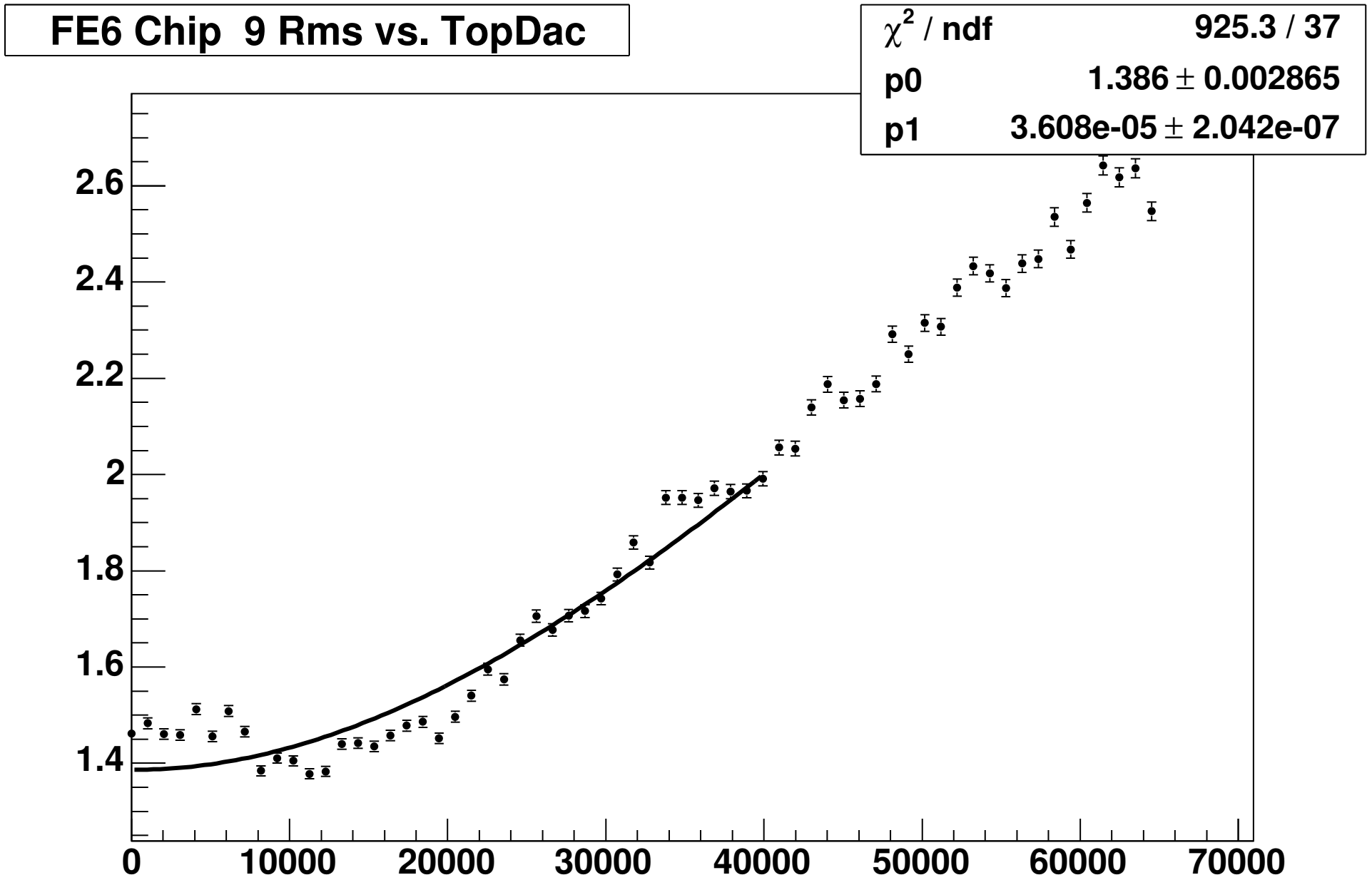
FE6 Chip 9 Rms vs. TopDac
χ^2 / ndf 925.3 / 37
p0 1.386 ± 0.002865
p1 3.608e-05 ± 2.042e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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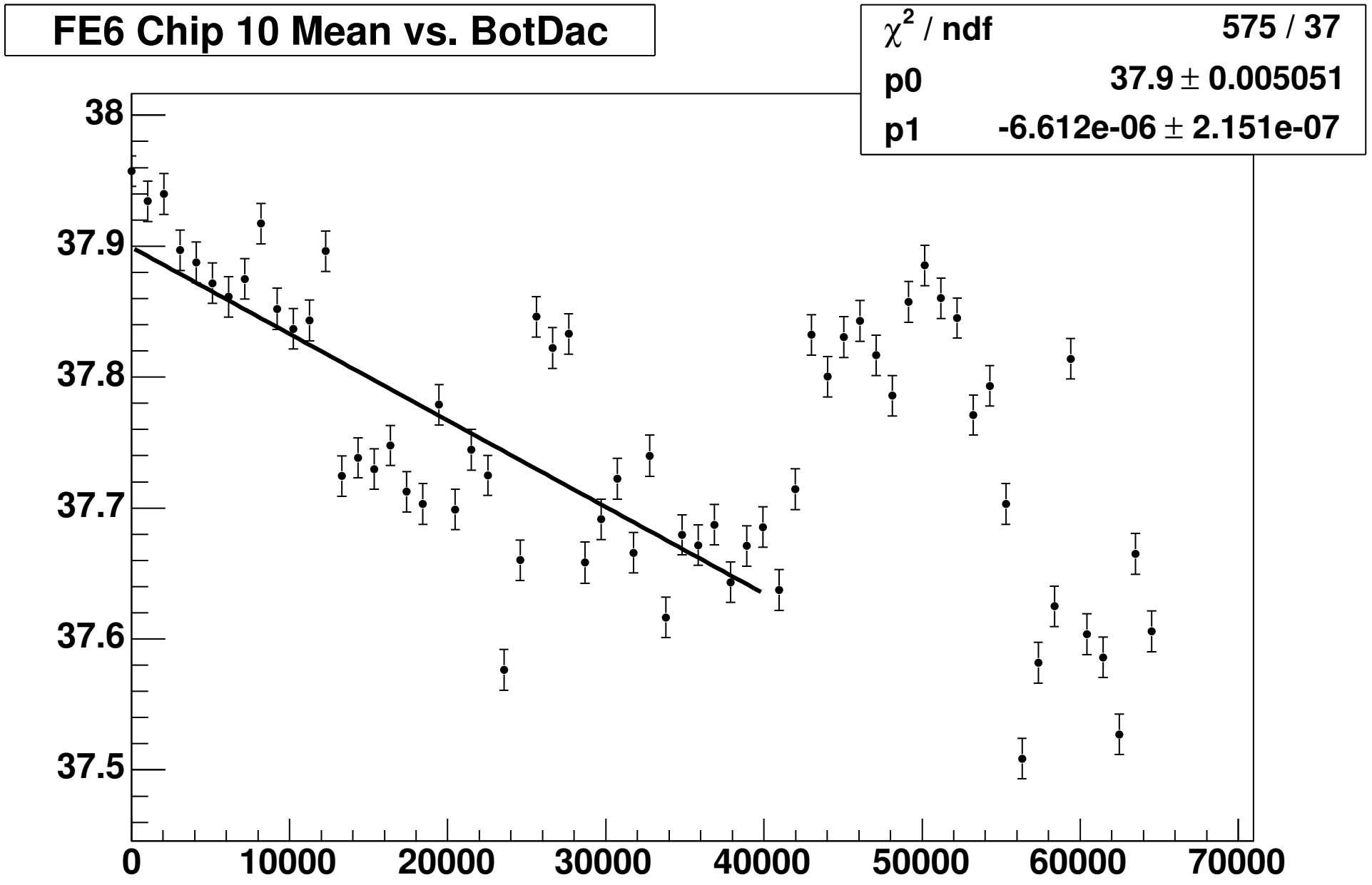
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 575 / 37
p0 37.9 ± 0.005051
p1 -6.612e-06 ± 2.151e-07
38
37.9
37.8
37.7
37.6
37.5
0
10000
20000
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60000
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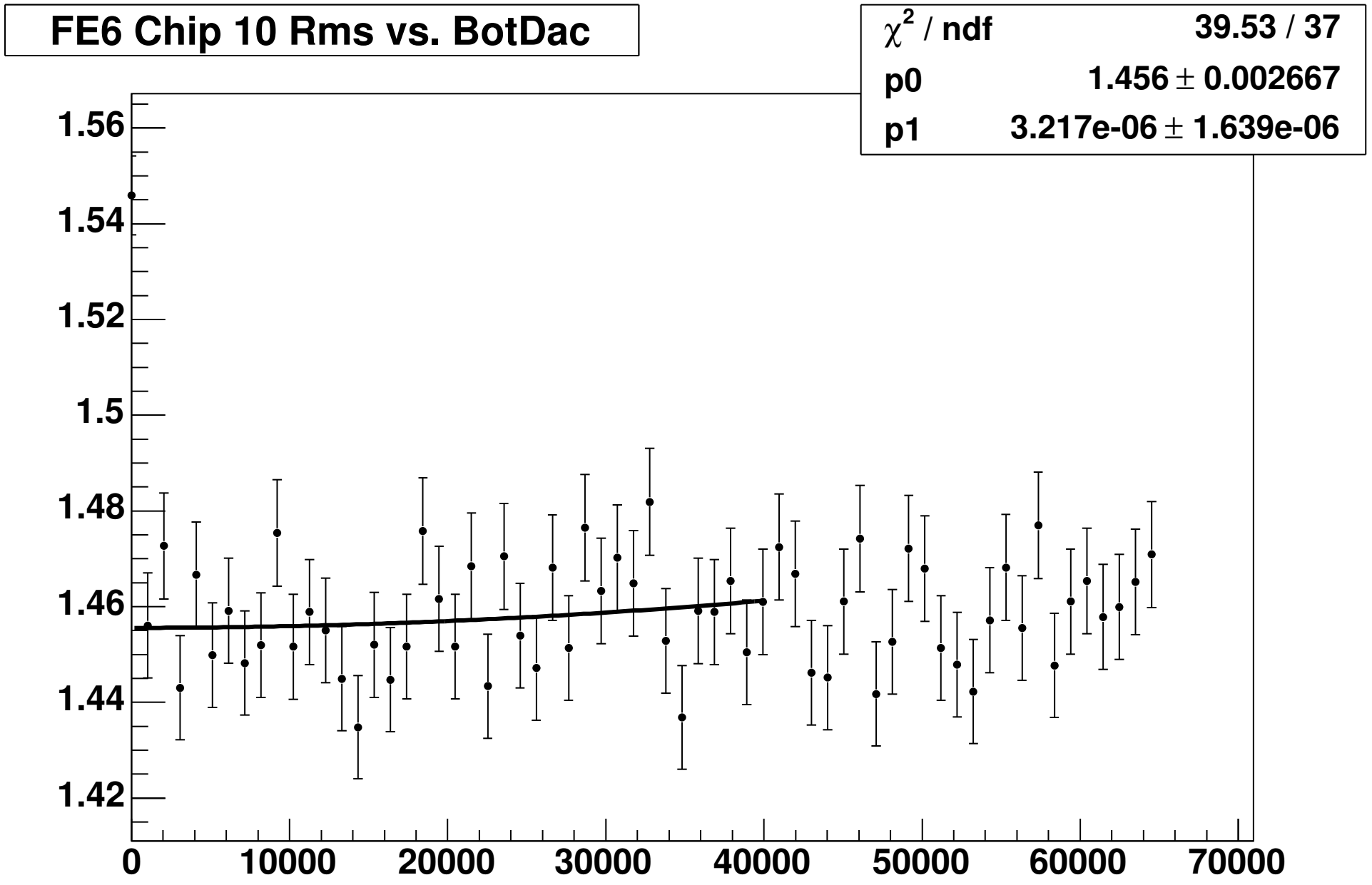
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 39.53 / 37
p0 1.456 ± 0.002667
p1 3.217e-06 ± 1.639e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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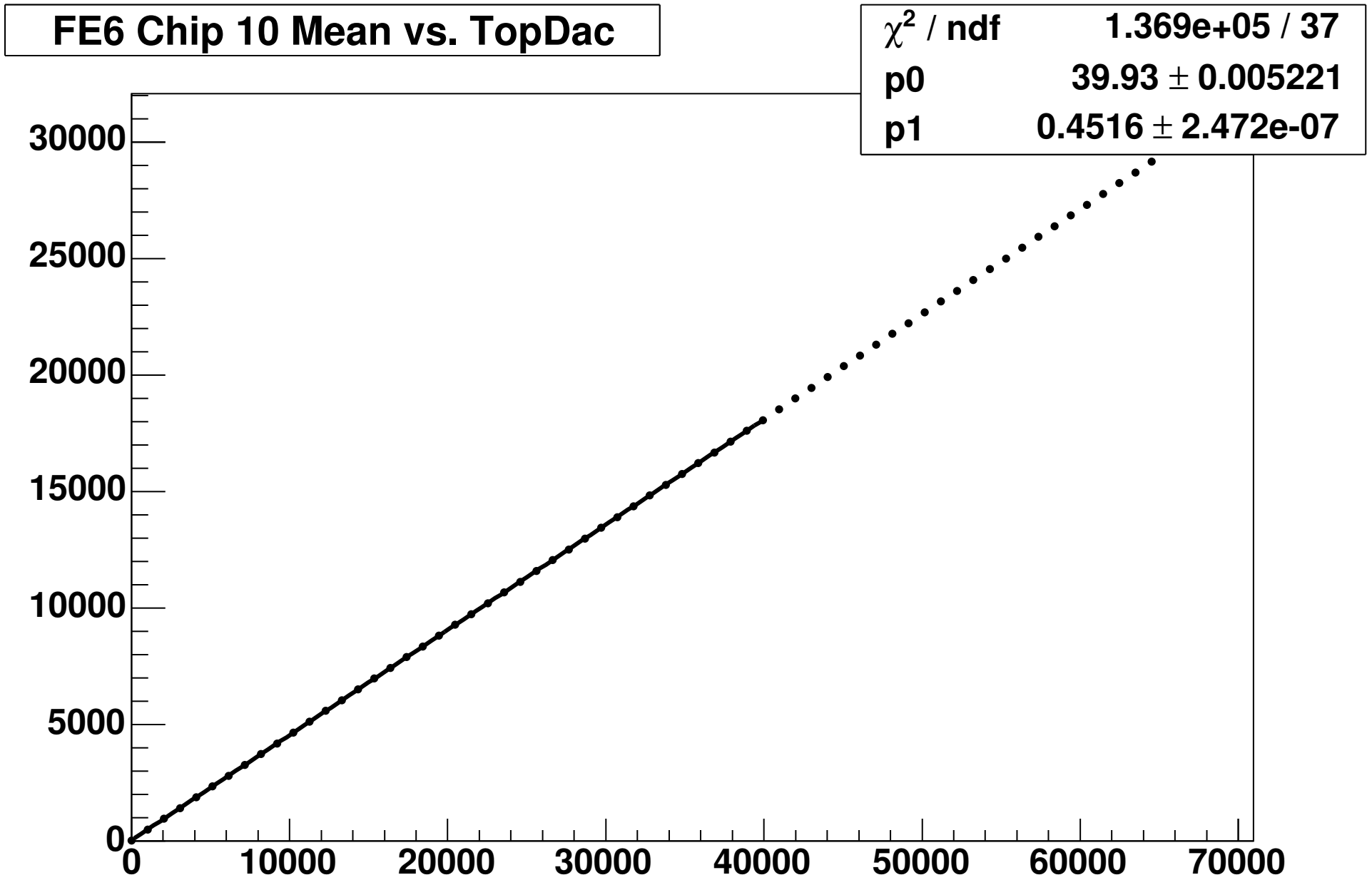
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.369e+05 / 37
p0 39.93 ± 0.005221
p1 0.4516 ± 2.472e-07
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25000
20000
15000
10000
5000
0
0
10000
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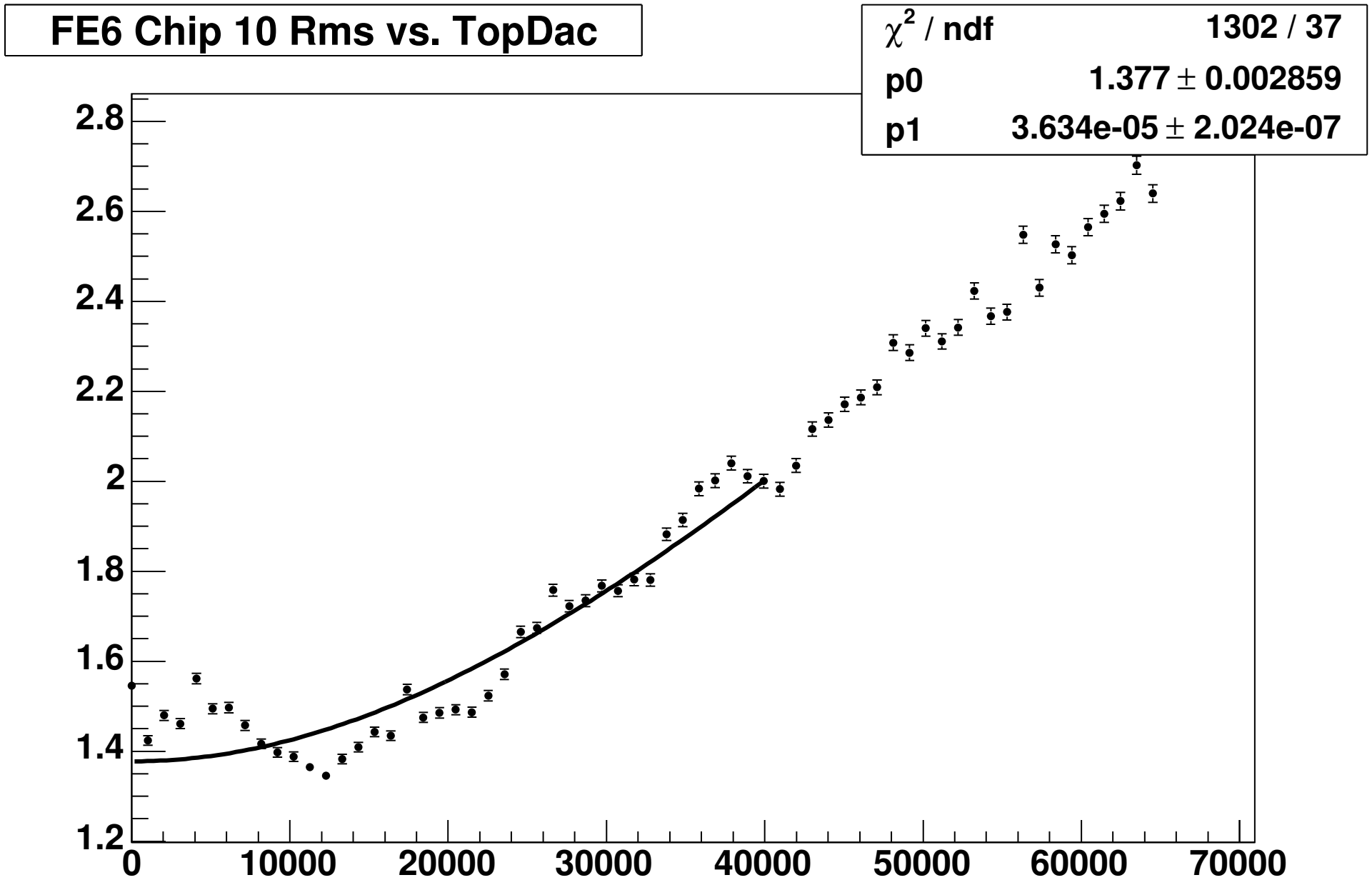
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1302 / 37
p0 1.377 ± 0.002859
p1 3.634e-05 ± 2.024e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
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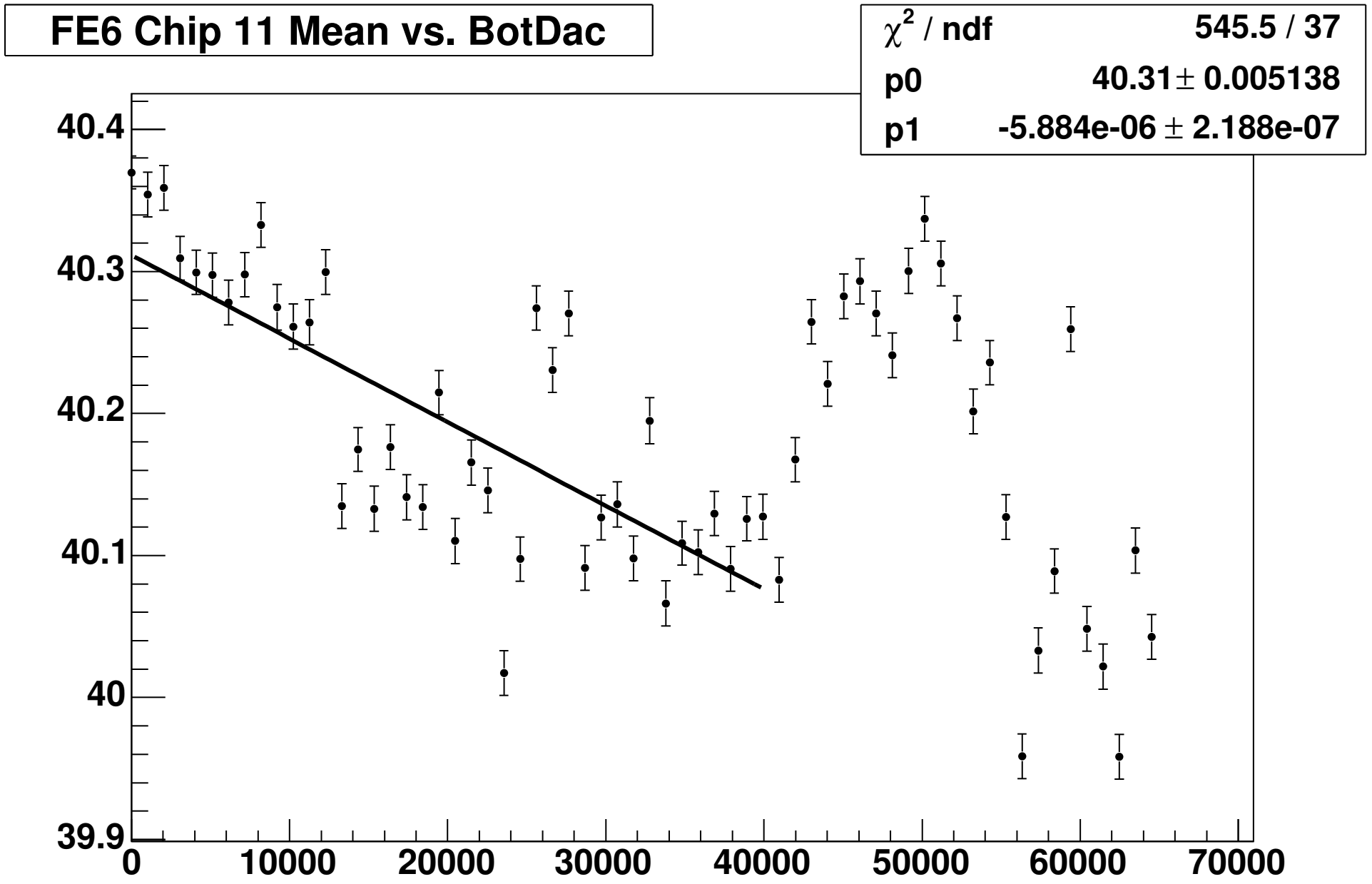
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 545.5 / 37
p0 40.31 ± 0.005138
p1 -5.884e-06 ± 2.188e-07
40.4
40.3
40.2
40.1
40
39.9
0
10000
20000
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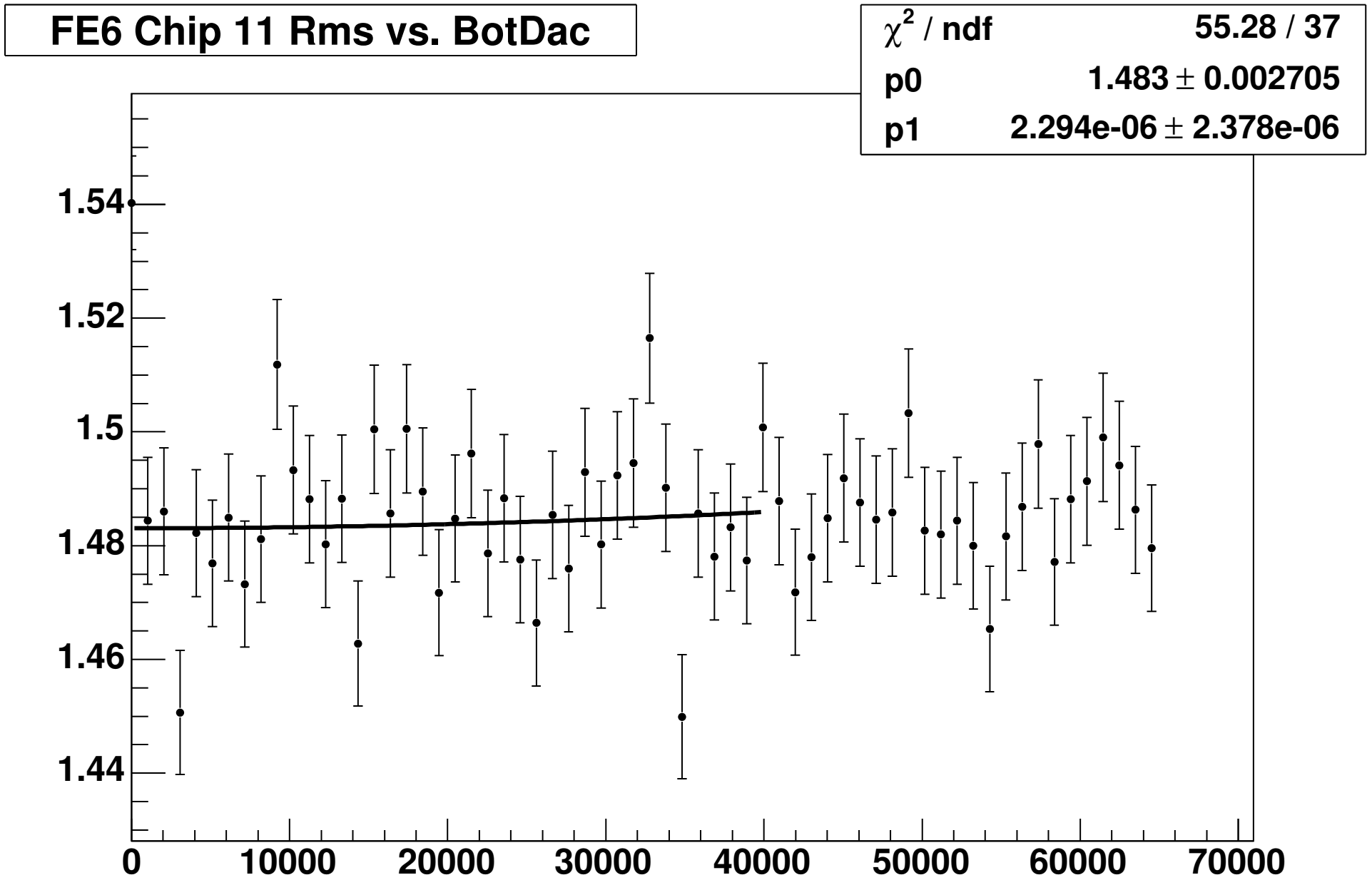
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 55.28 / 37
p0 1.483 ± 0.002705
p1 2.294e-06 ± 2.378e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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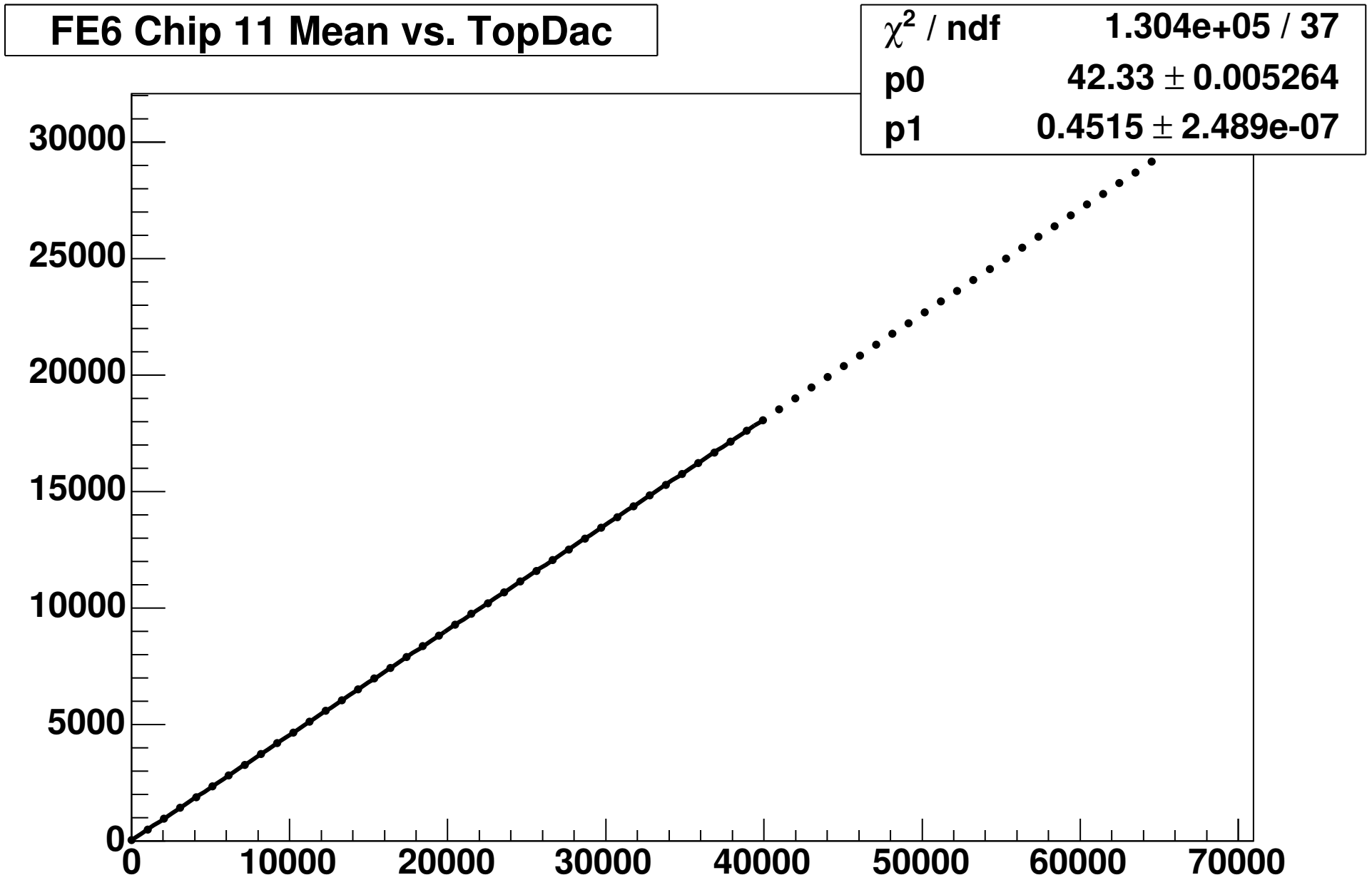
40000
50000
60000
70000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.304e+05 / 37
p0 42.33 ± 0.005264
p1 0.4515 ± 2.489e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
40000
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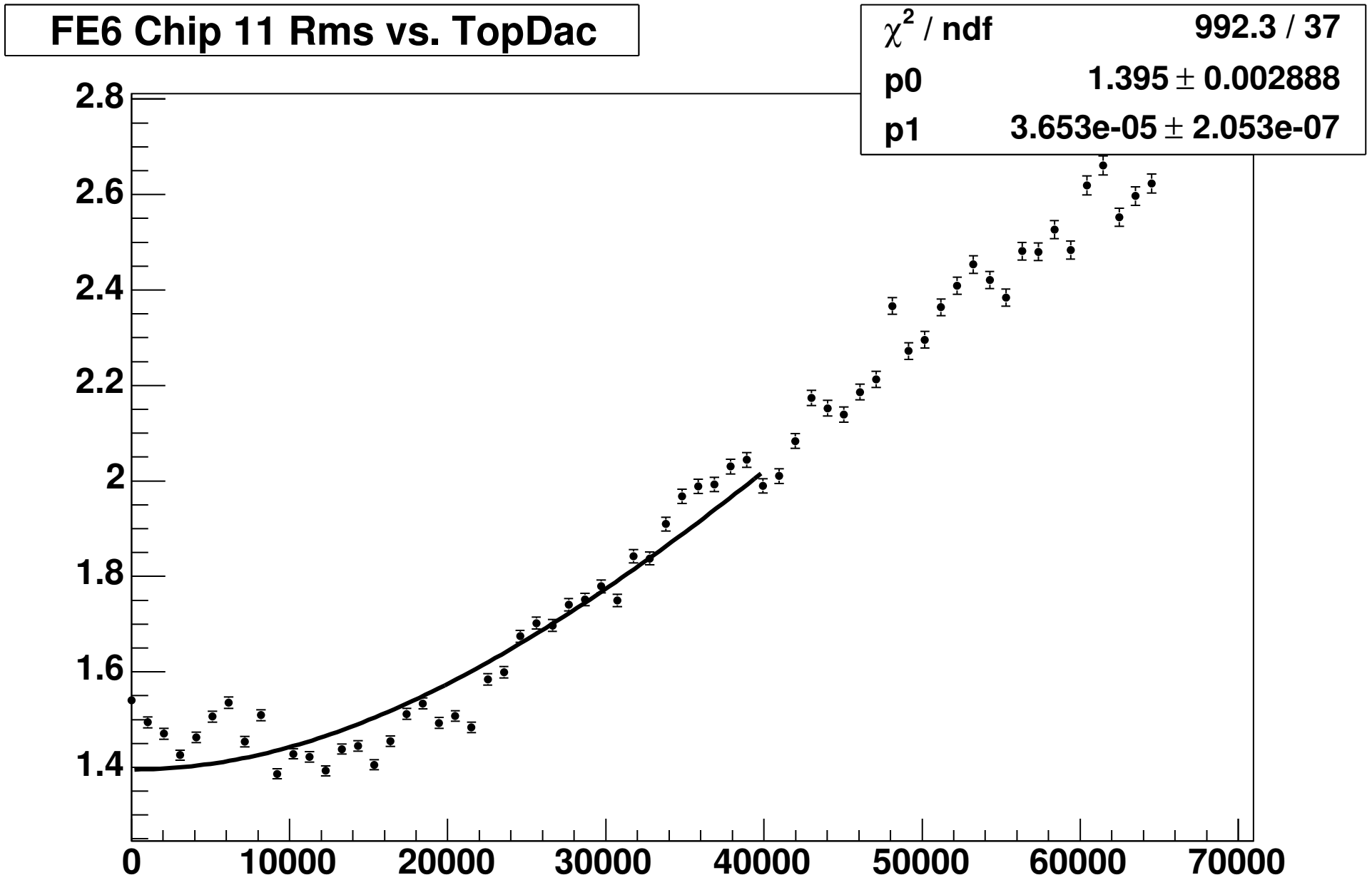
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 992.3 / 37
p0 1.395 ± 0.002888
p1 3.653e-05 ± 2.053e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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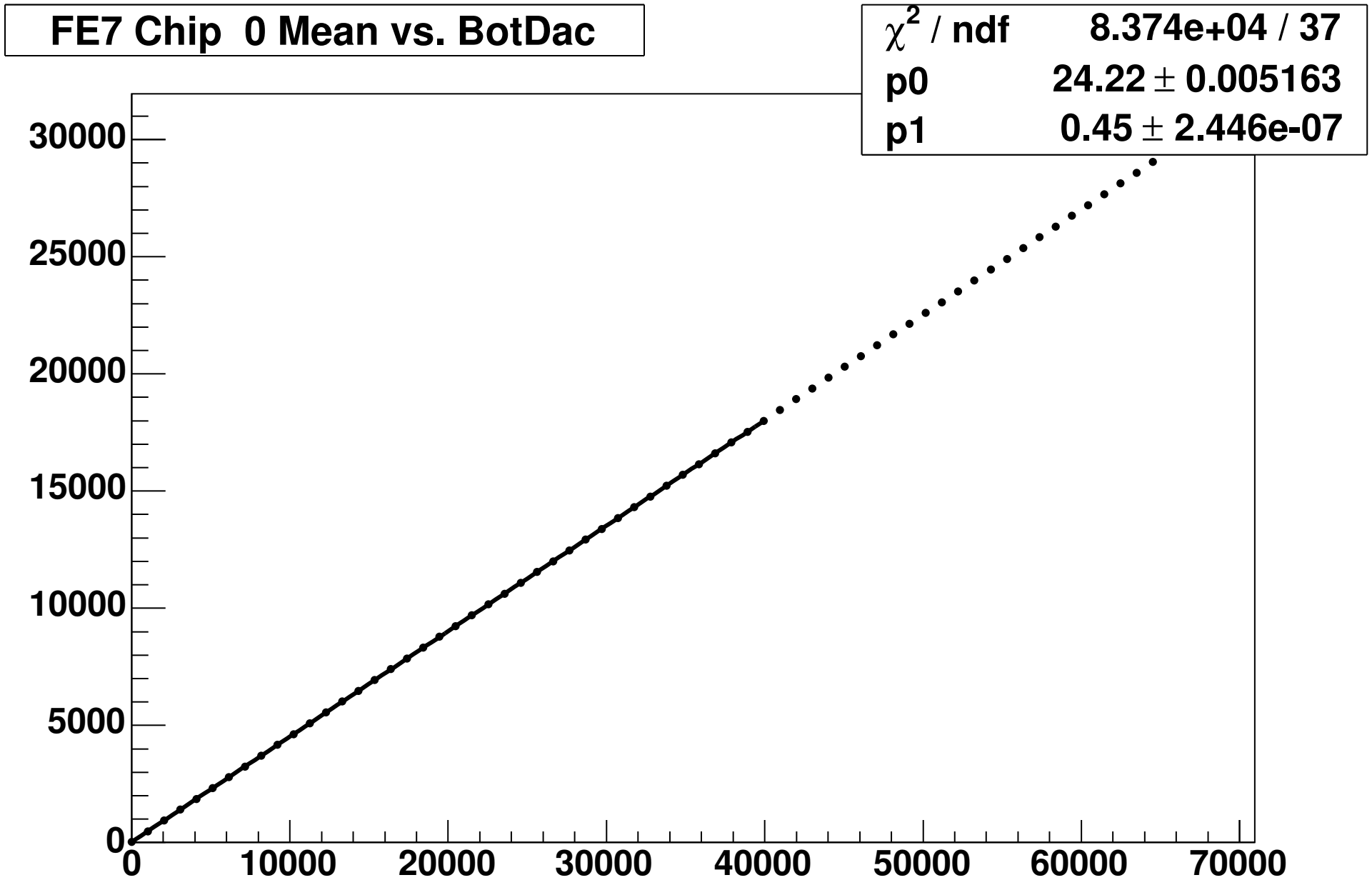
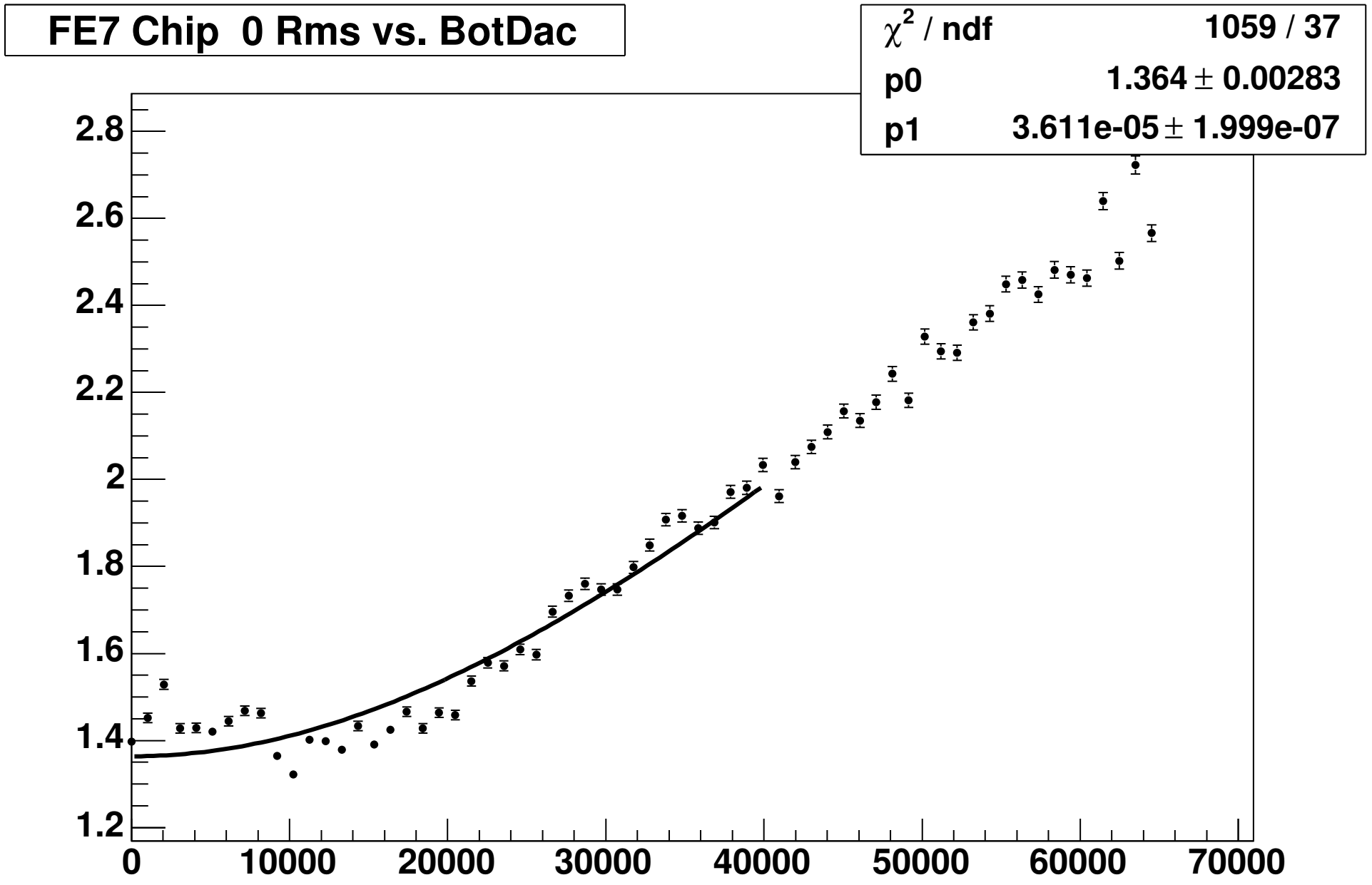

FE7 Chip 0 Mean vs. BotDac
χ^2 / ndf 8.374e+04 / 37
p0 24.22 ± 0.005163
p1 0.45 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1059 / 37
p0 1.364 ± 0.00283
p1 3.611e-05 ± 1.999e-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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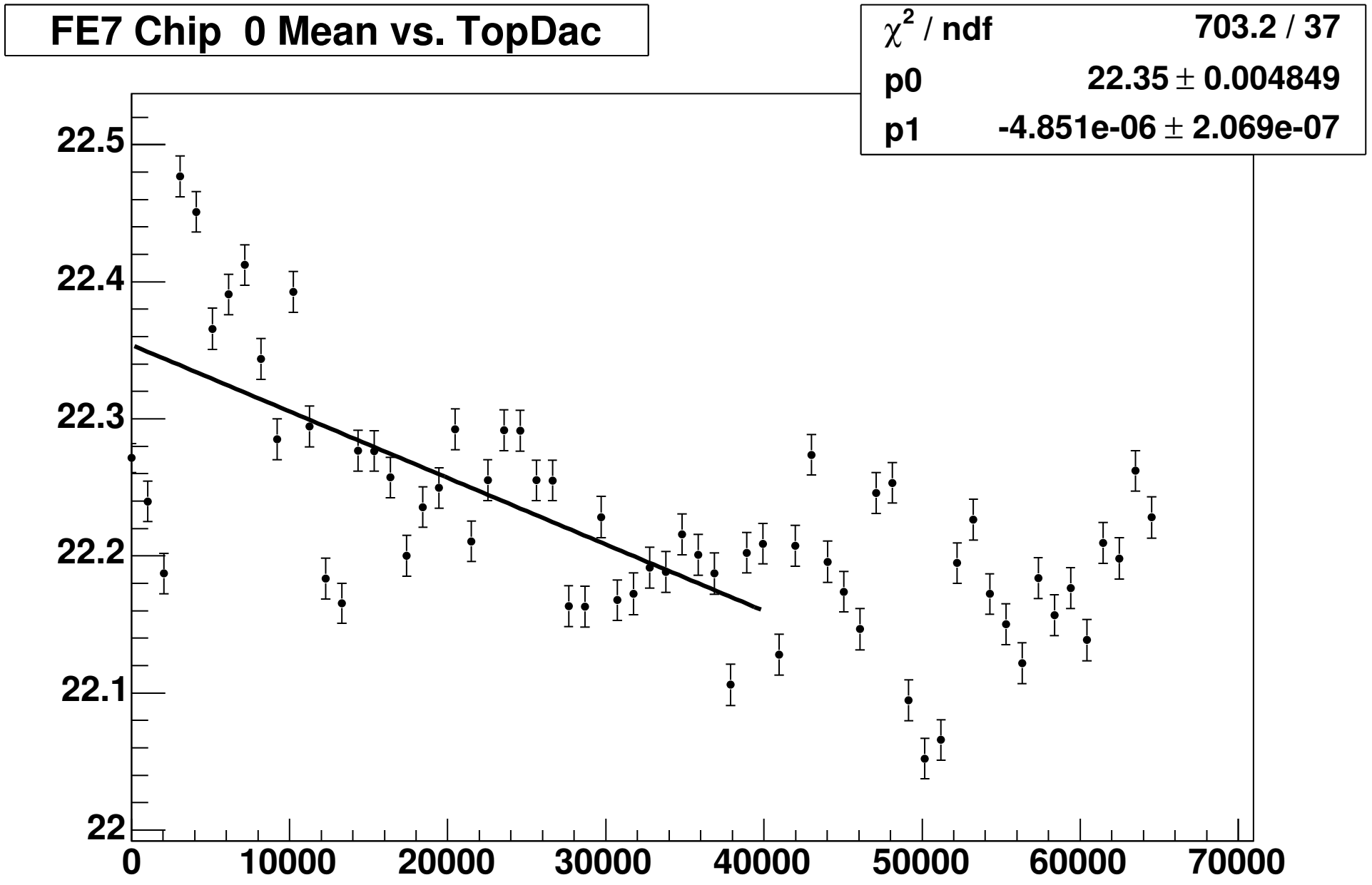
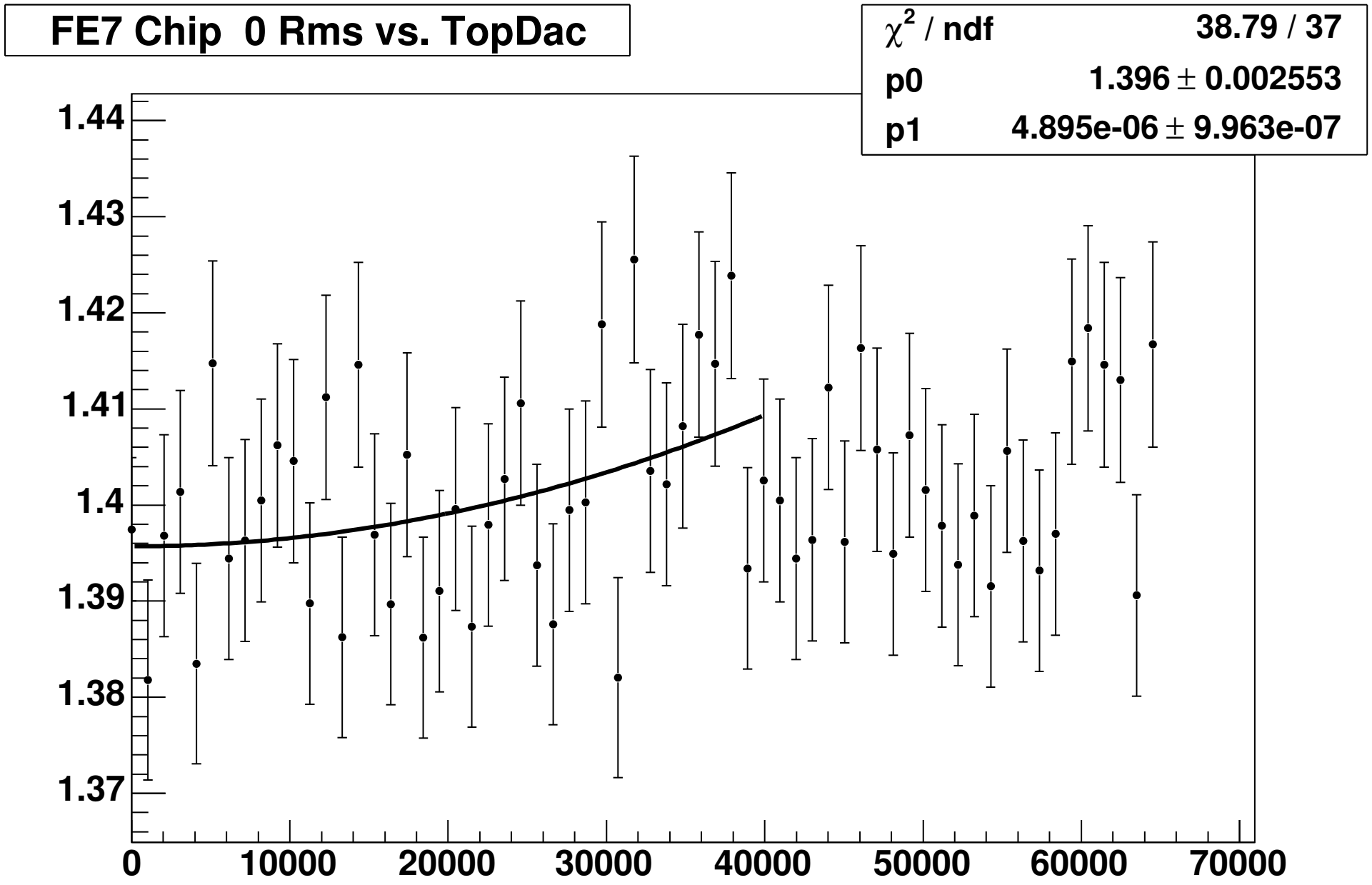
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 703.2 / 37
p0 22.35 ± 0.004849
p1 -4.851e-06 ± 2.069e-07
22.5
22.4
22.3
22.2
22.1
22
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 38.79 / 37
p0 1.396 ± 0.002553
p1 4.895e-06 ± 9.963e-07
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
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60000
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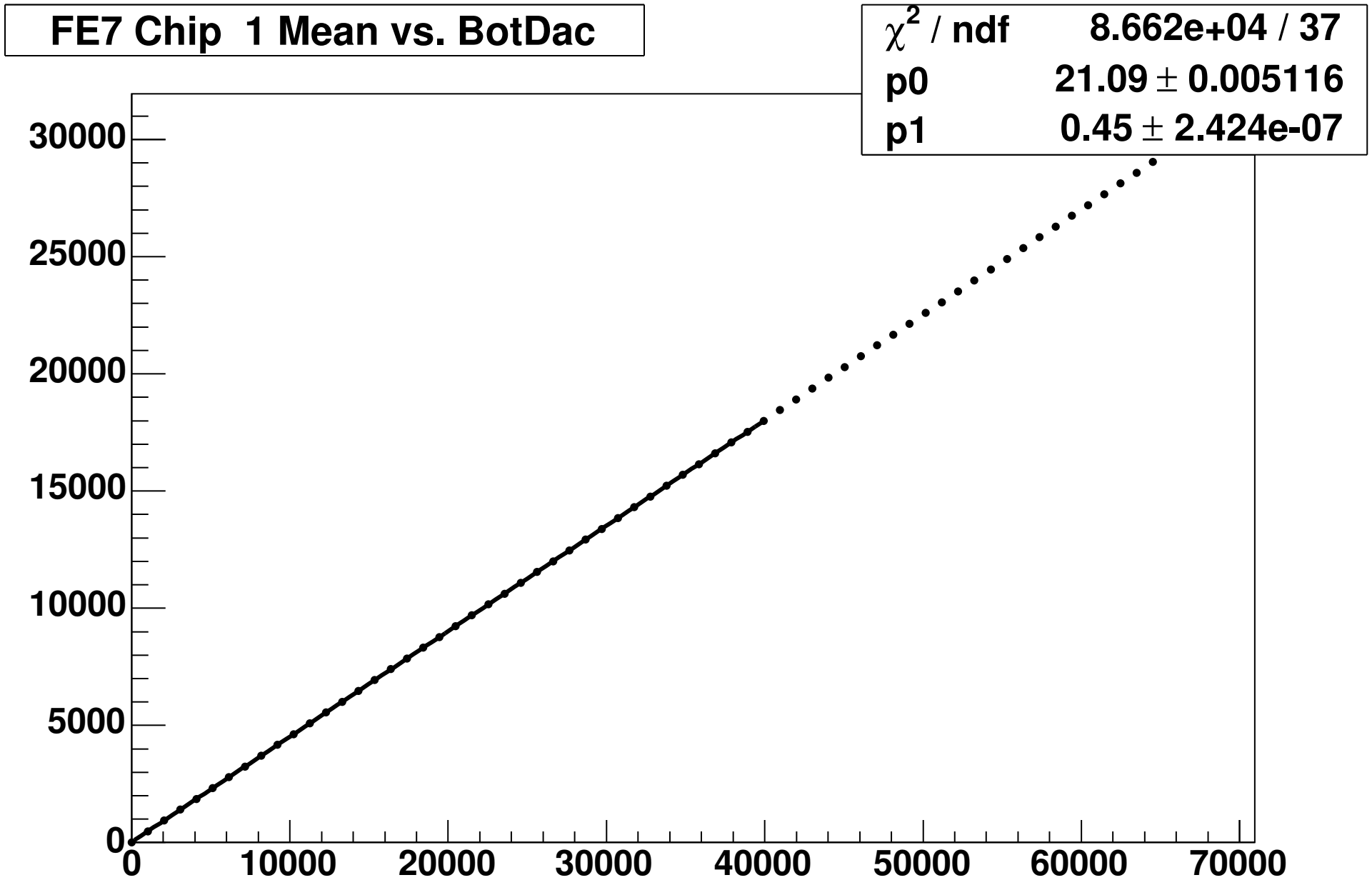
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 8.662e+04 / 37
p0 21.09 ± 0.005116
p1 0.45 ± 2.424e-07
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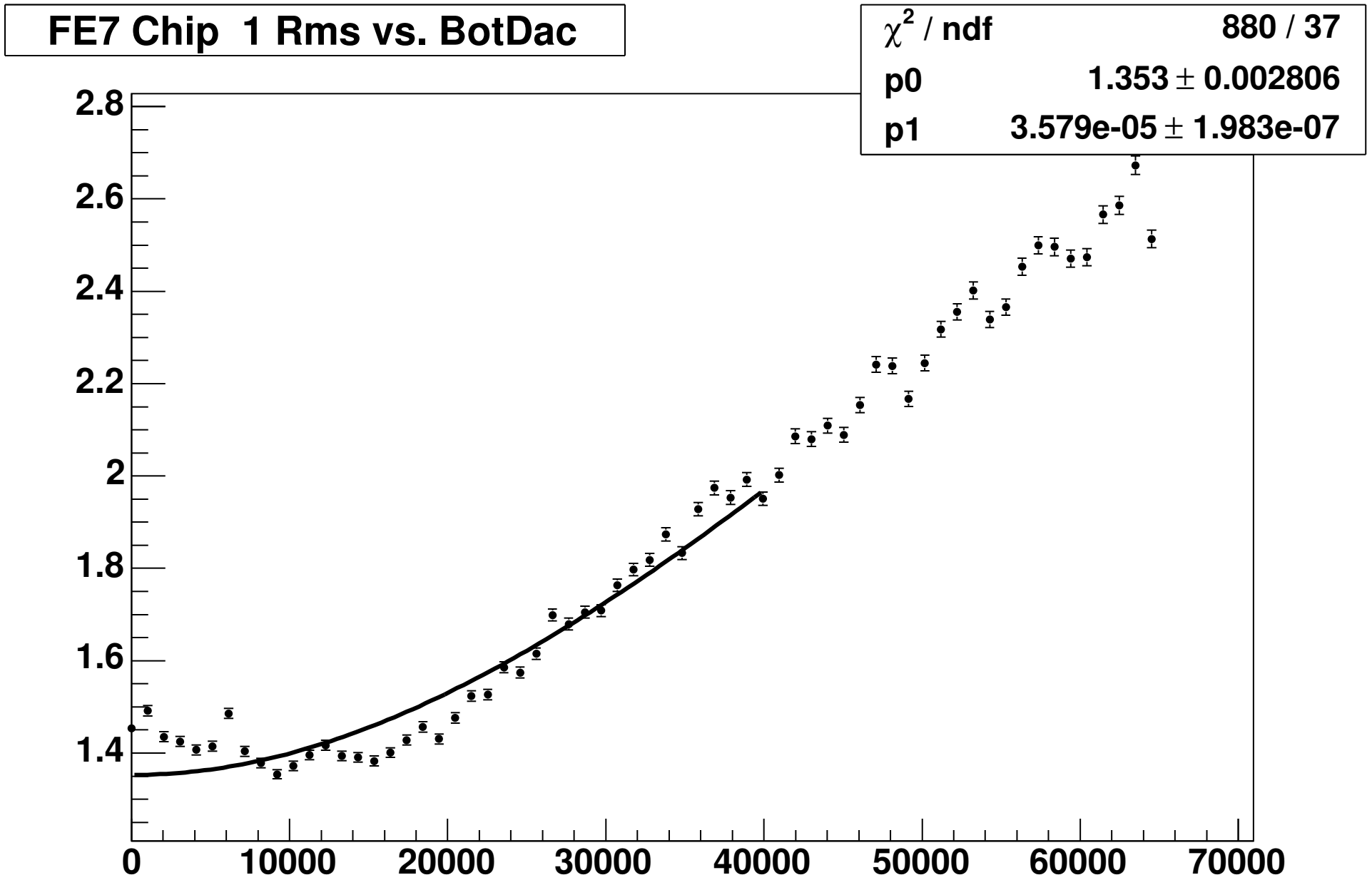
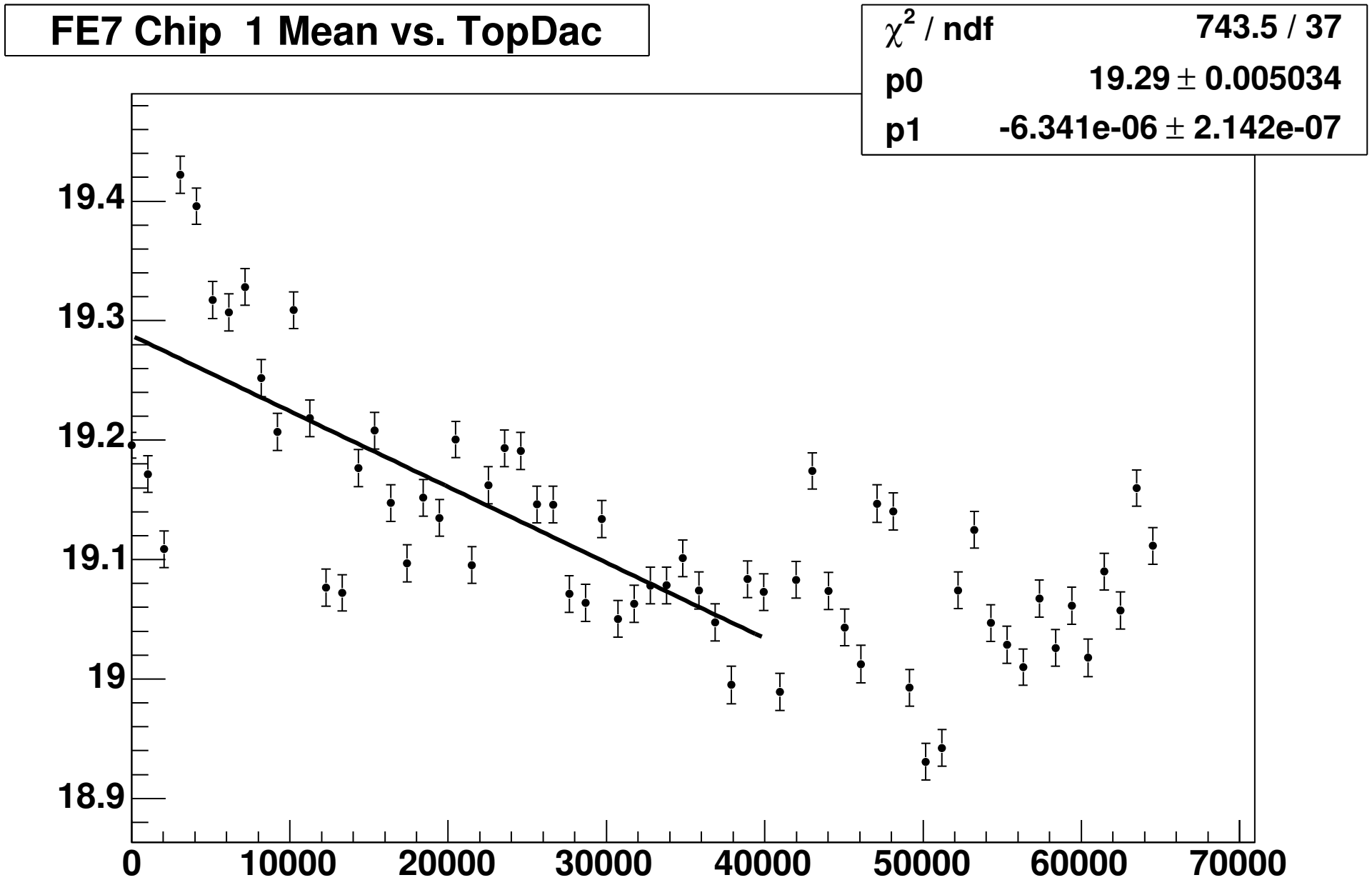
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 880 / 37
p0 1.353 ± 0.002806
p1 3.579e-05 ± 1.983e-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 1 Mean vs. TopDac
χ² / ndf 743.5 / 37
p0 19.29 ± 0.005034
p1 -6.341e-06 ± 2.142e-07
19.4
19.3
19.2
19.1
19
18.9
0
10000
20000
30000
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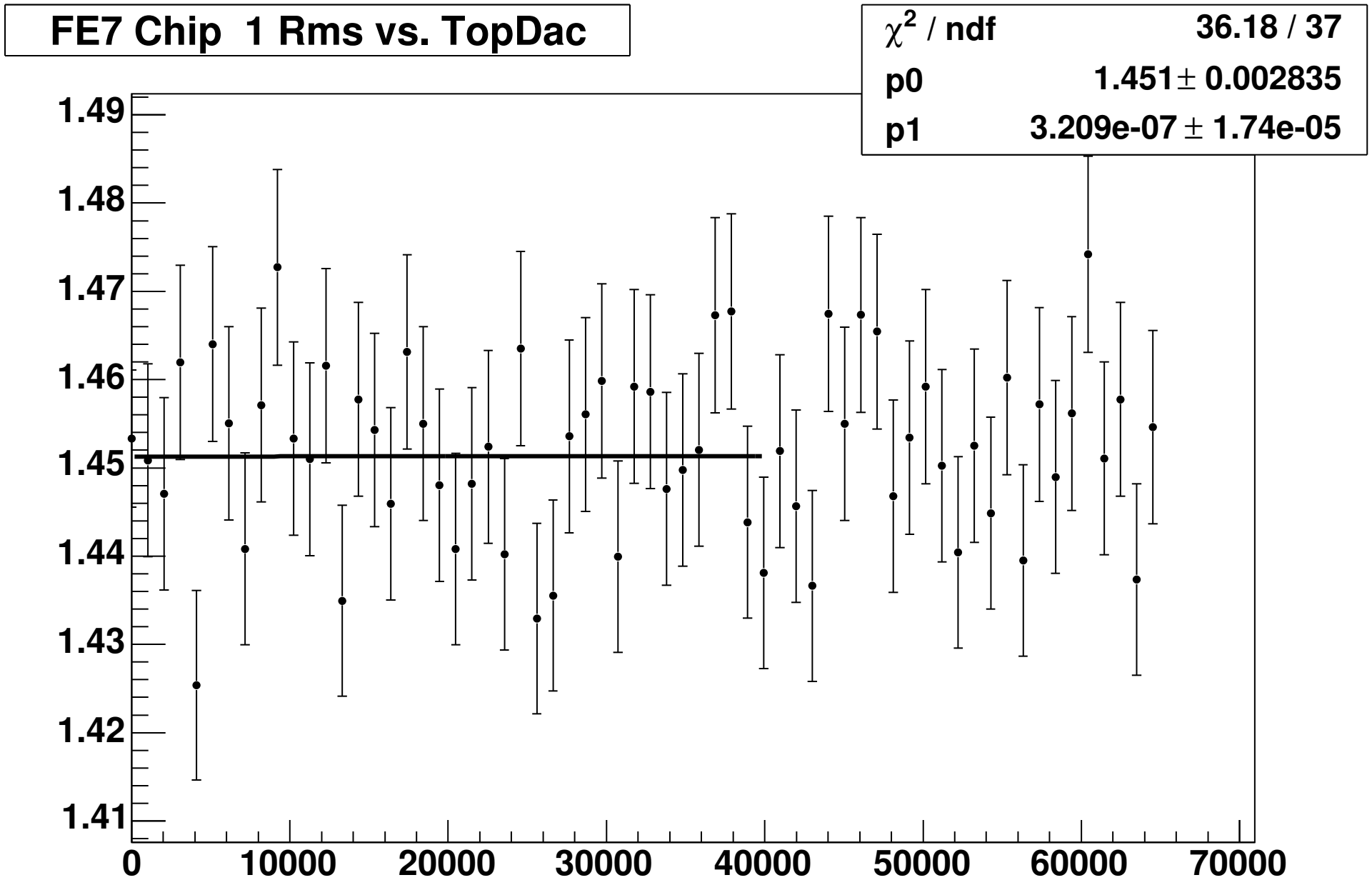
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 36.18 / 37
p0 1.451 ± 0.002835
p1 3.209e-07 ± 1.74e-05
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
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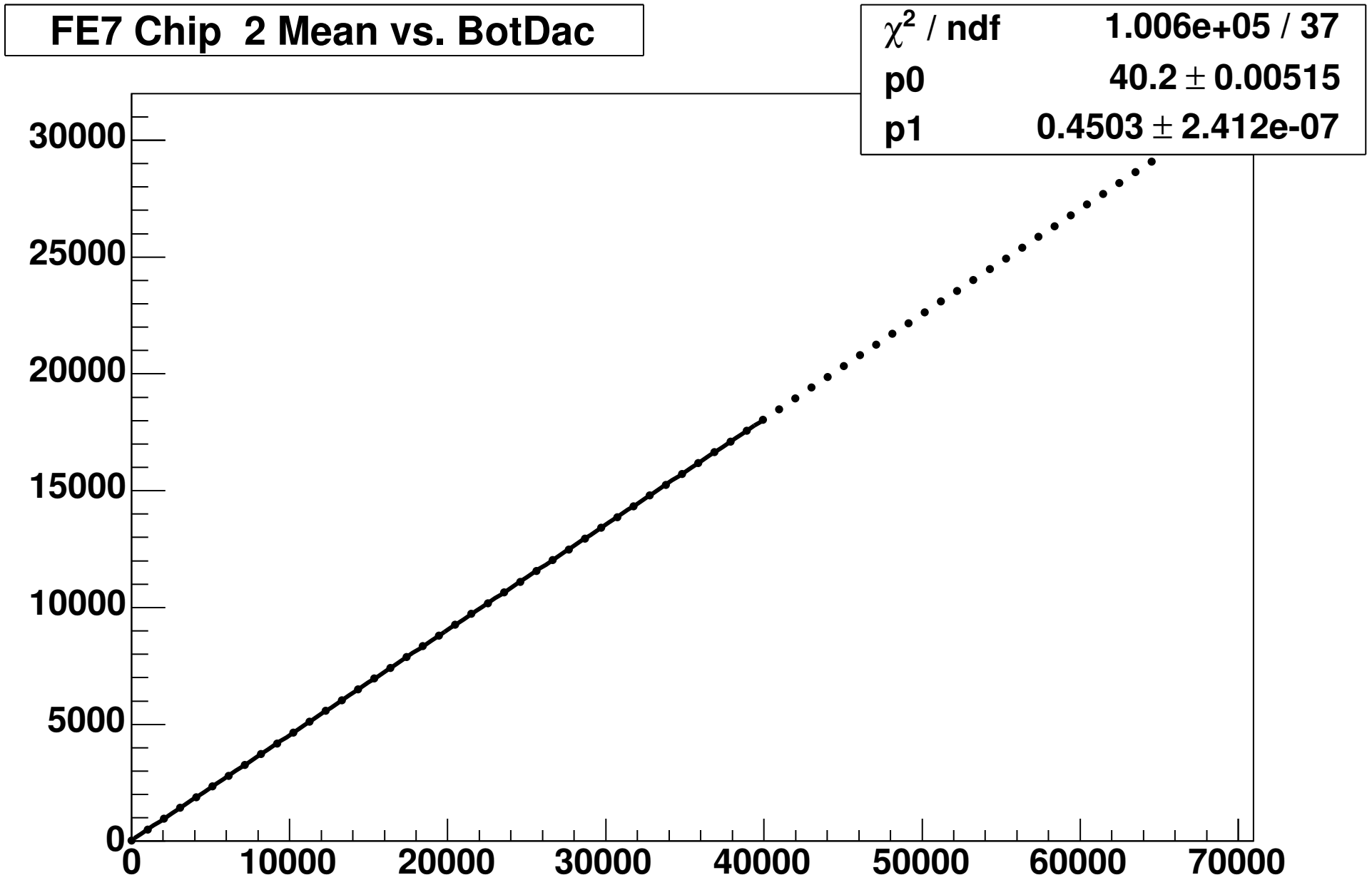
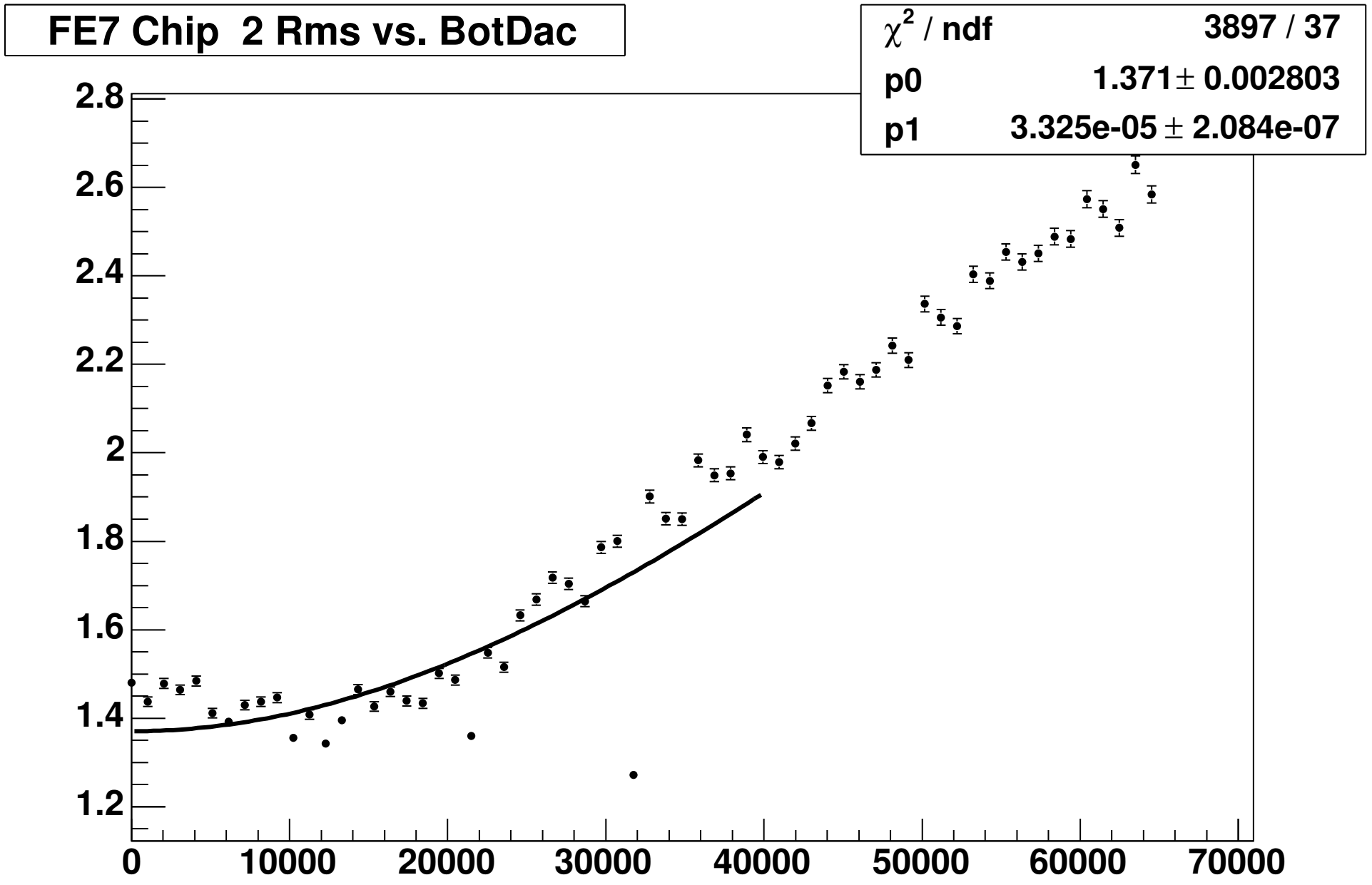
50000
60000
70000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.006e+05 / 37
p0 40.2 ± 0.00515
p1 0.4503 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 3897 / 37
p0 1.371 ± 0.002803
p1 3.325e-05 ± 2.084e-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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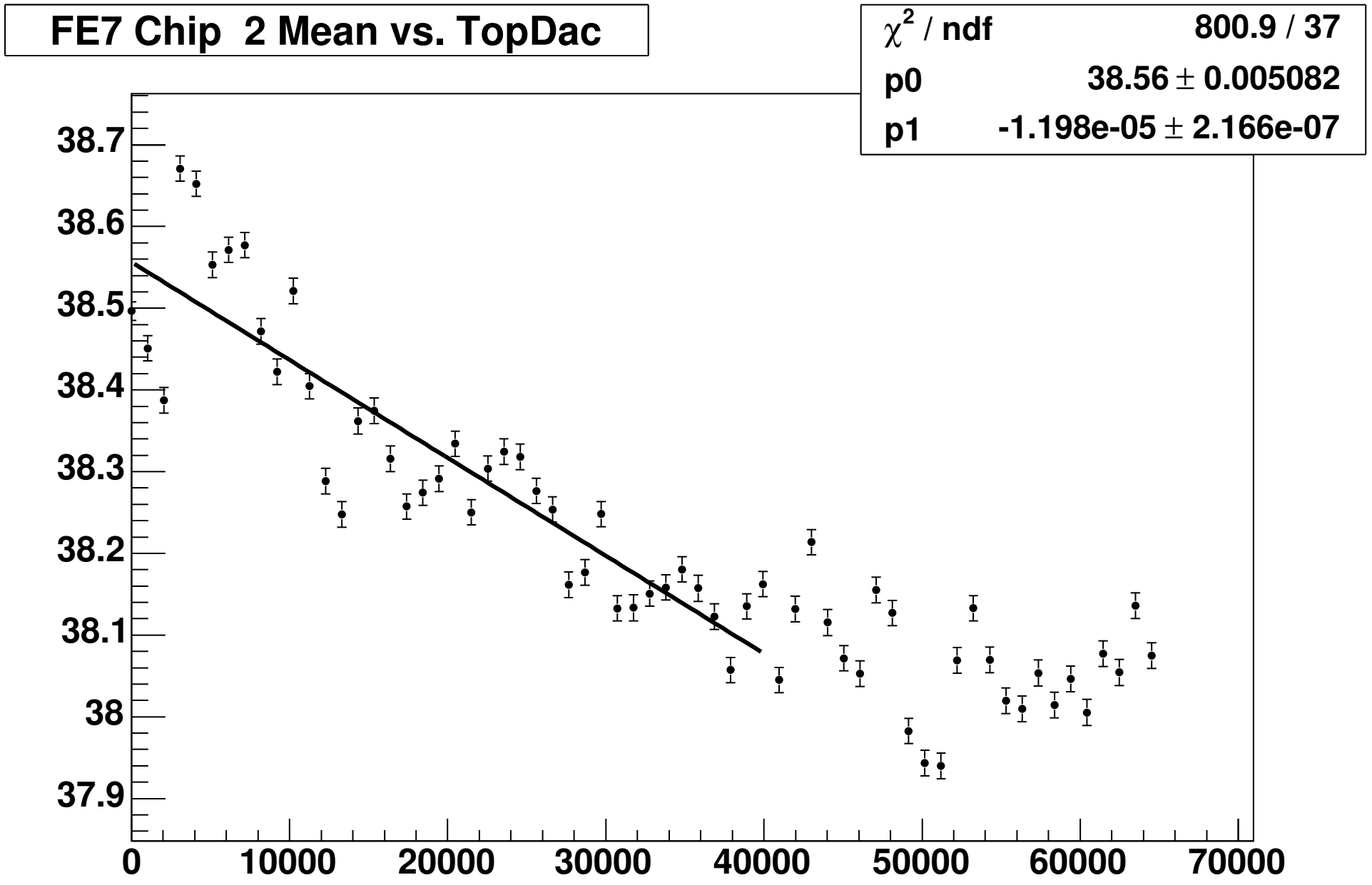
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 800.9 / 37
p0 38.56 ± 0.005082
p1 -1.198e-05 ± 2.166e-07
38.7
38.6
38.5
38.4
38.3
38.2
38.1
38
37.9
0
10000
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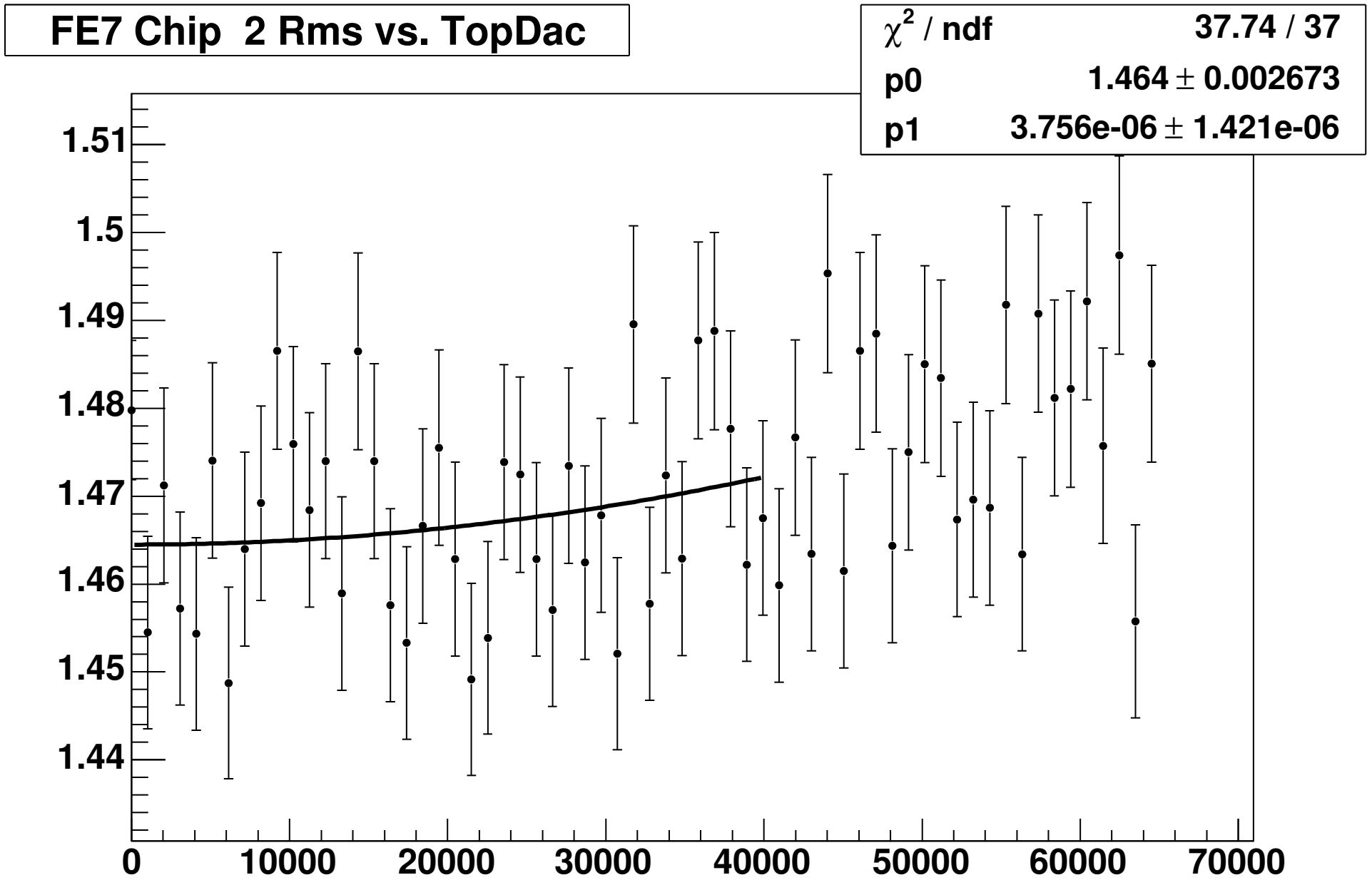
FE7 Chip 2 Rms vs. TopDac
χ² / ndf 37.74 / 37
p0 1.464 ± 0.002673
p1 3.756e-06 ± 1.421e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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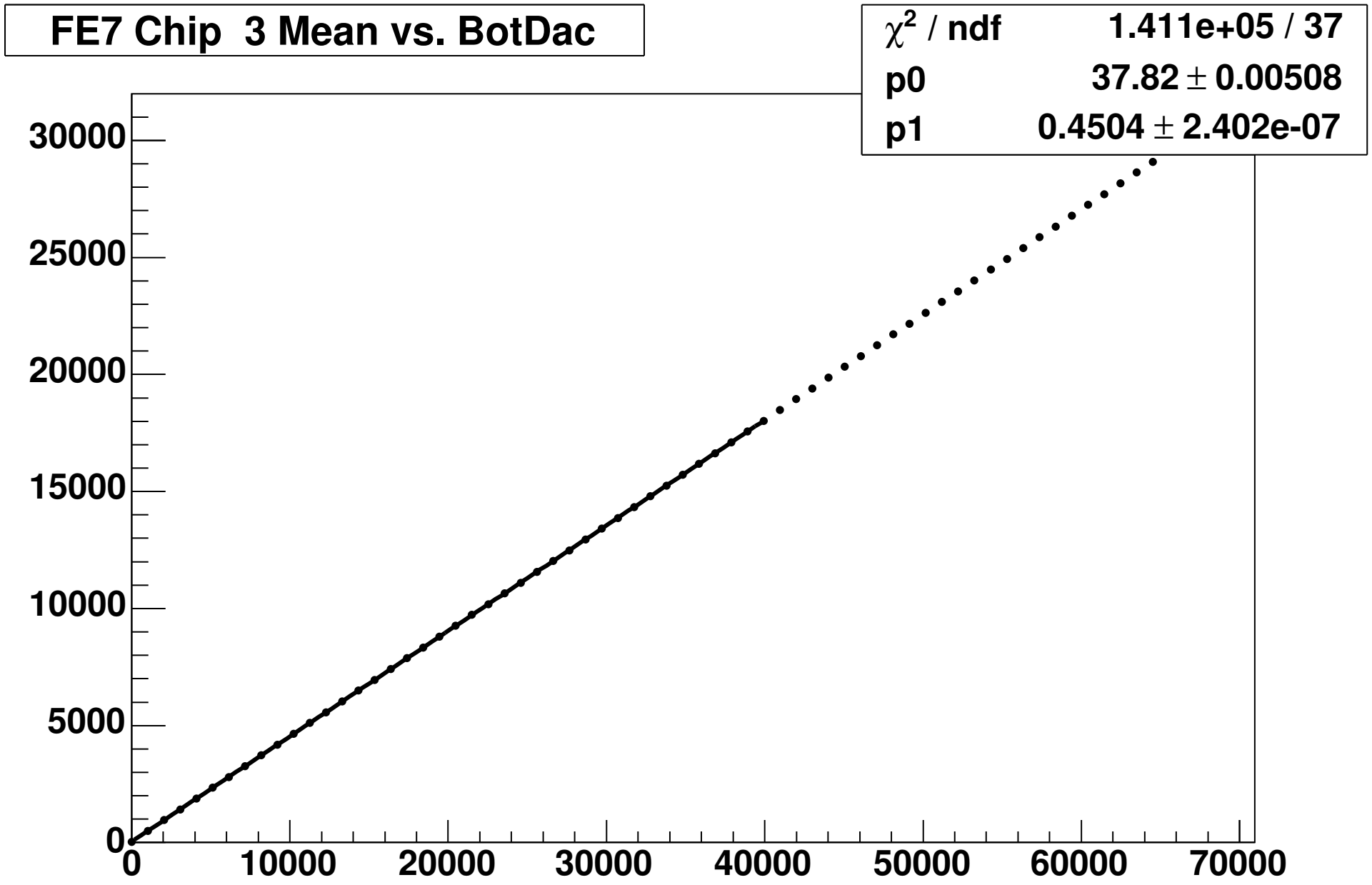
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.411e+05 / 37
p0 37.82 ± 0.00508
p1 0.4504 ± 2.402e-07
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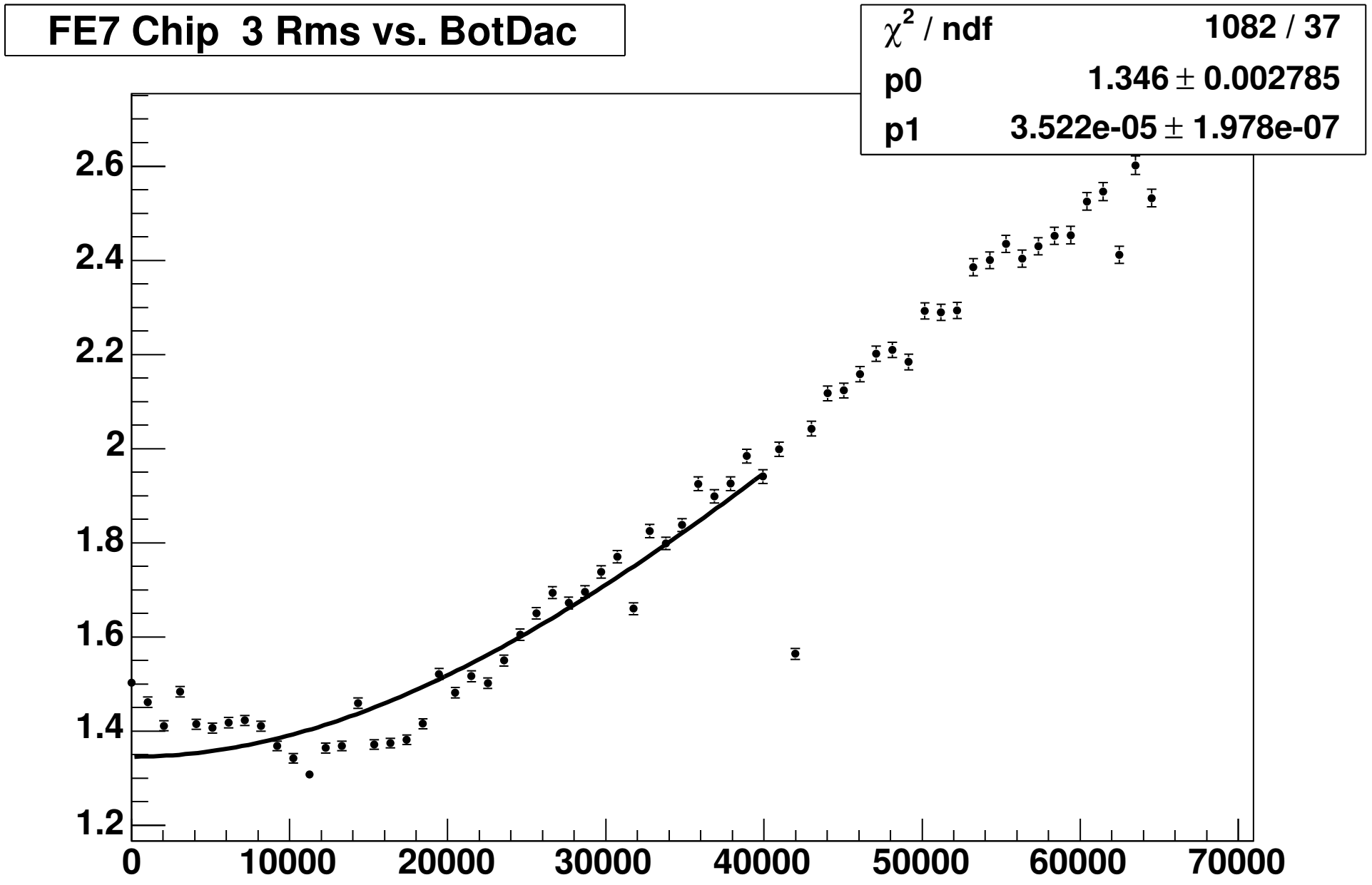
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1082 / 37
p0 1.346 ± 0.002785
p1 3.522e-05 ± 1.978e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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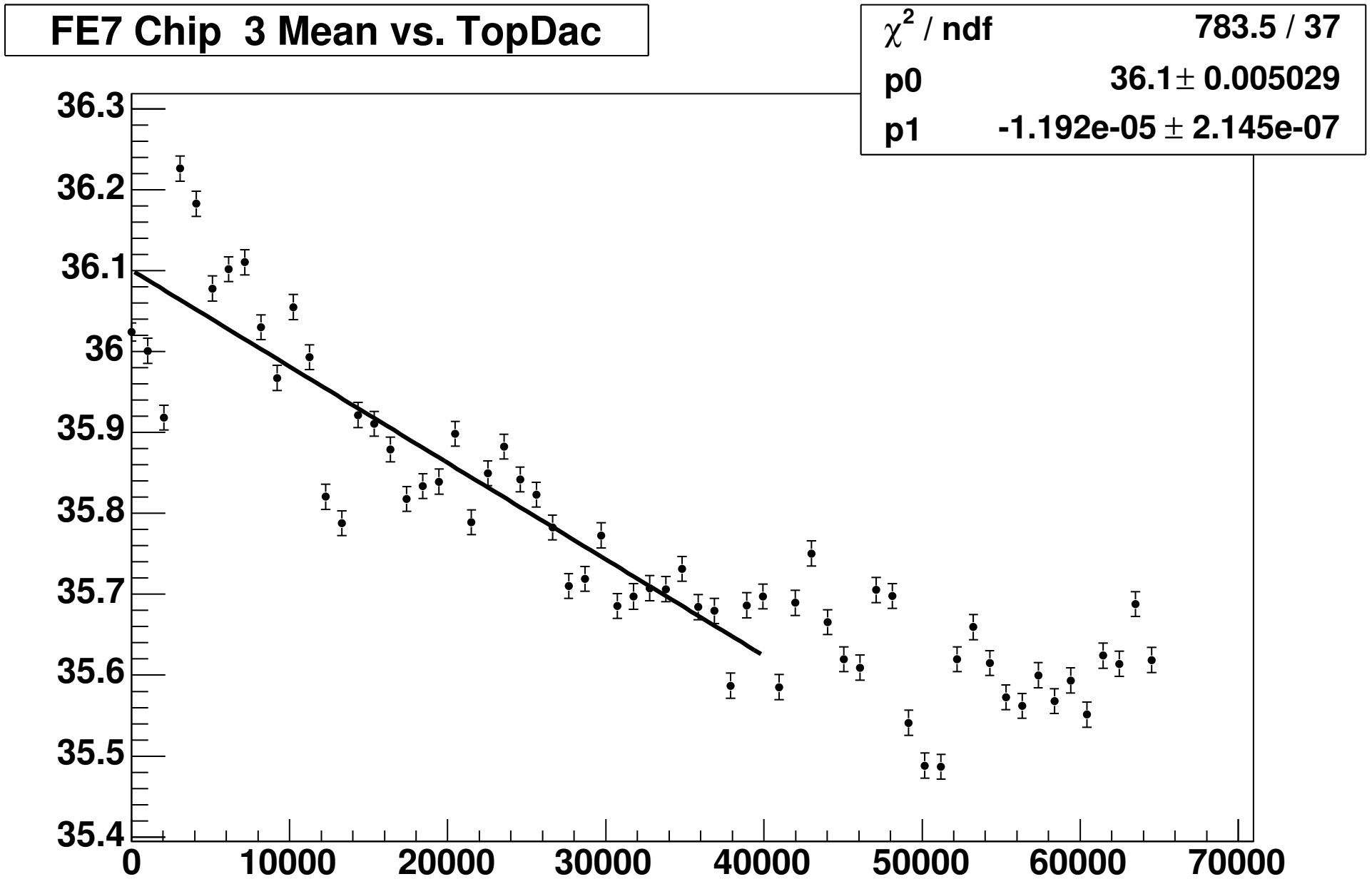
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 783.5 / 37
p0 36.1 ± 0.005029
p1 -1.192e-05 ± 2.145e-07
36.3
36.2
36.1
36
35.9
35.8
35.7
35.6
35.5
35.4
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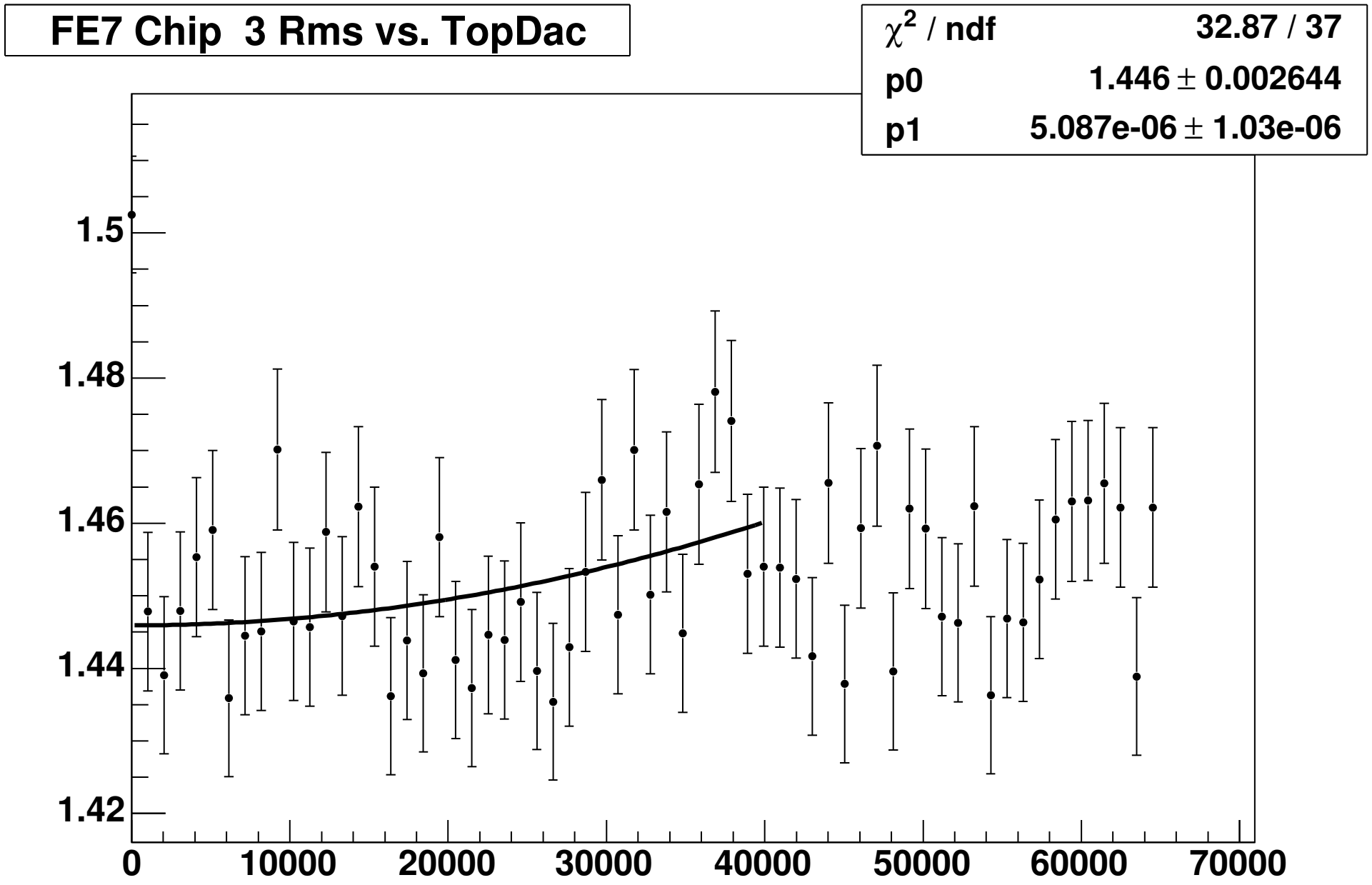
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 32.87 / 37
p0 1.446 ± 0.002644
p1 5.087e-06 ± 1.03e-06
1.5
1.48
1.46
1.44
1.42
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10000
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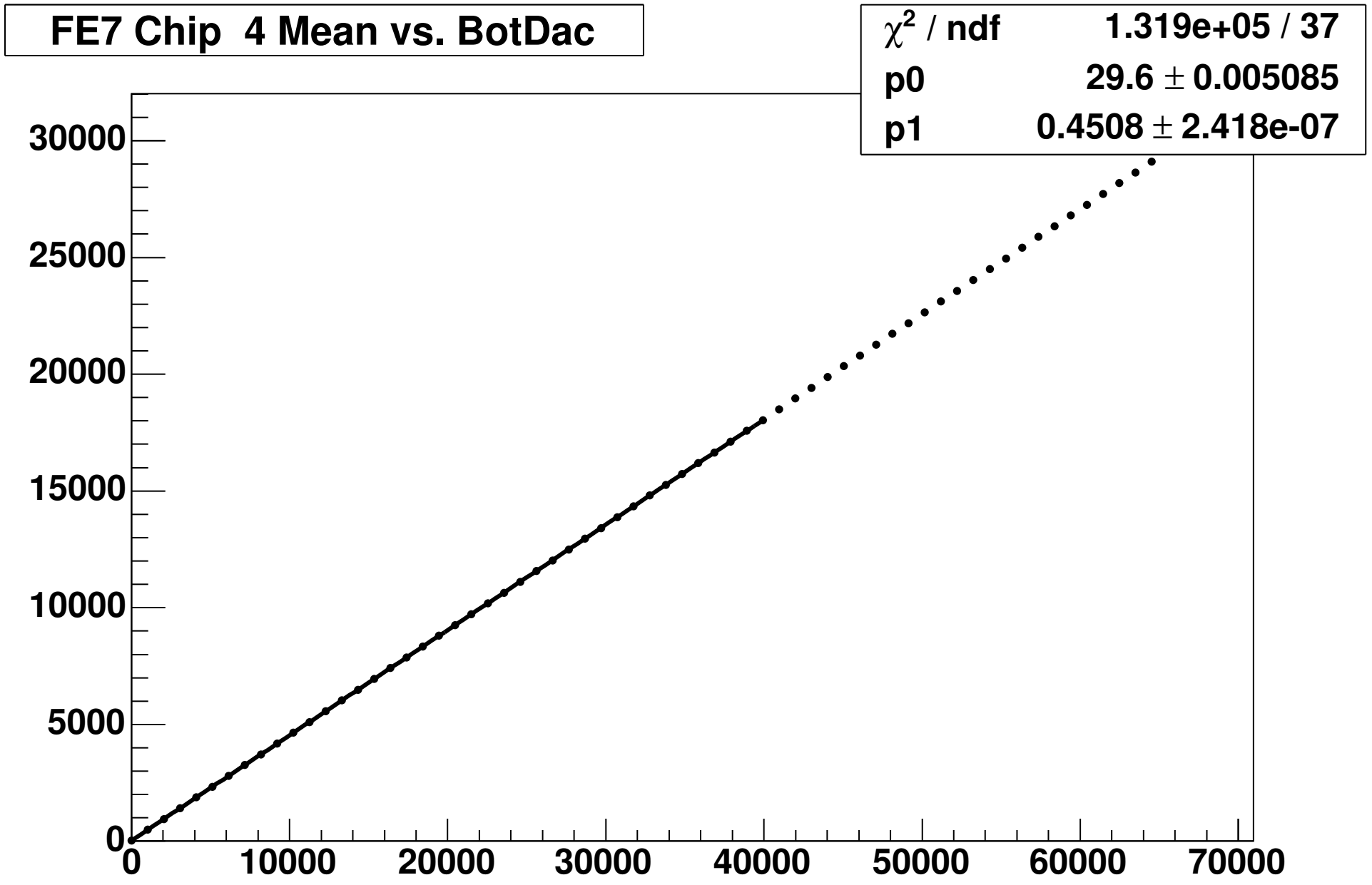
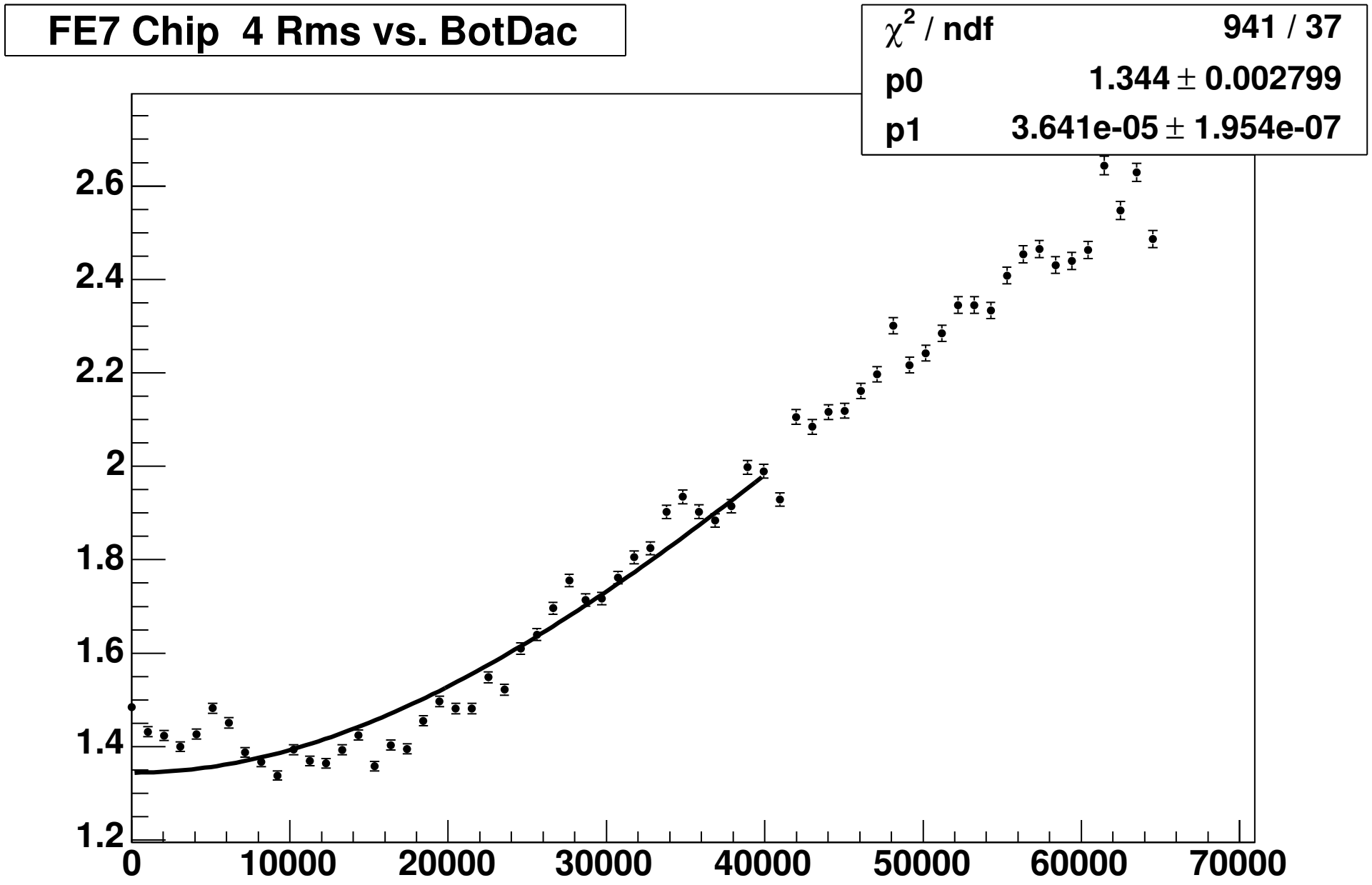
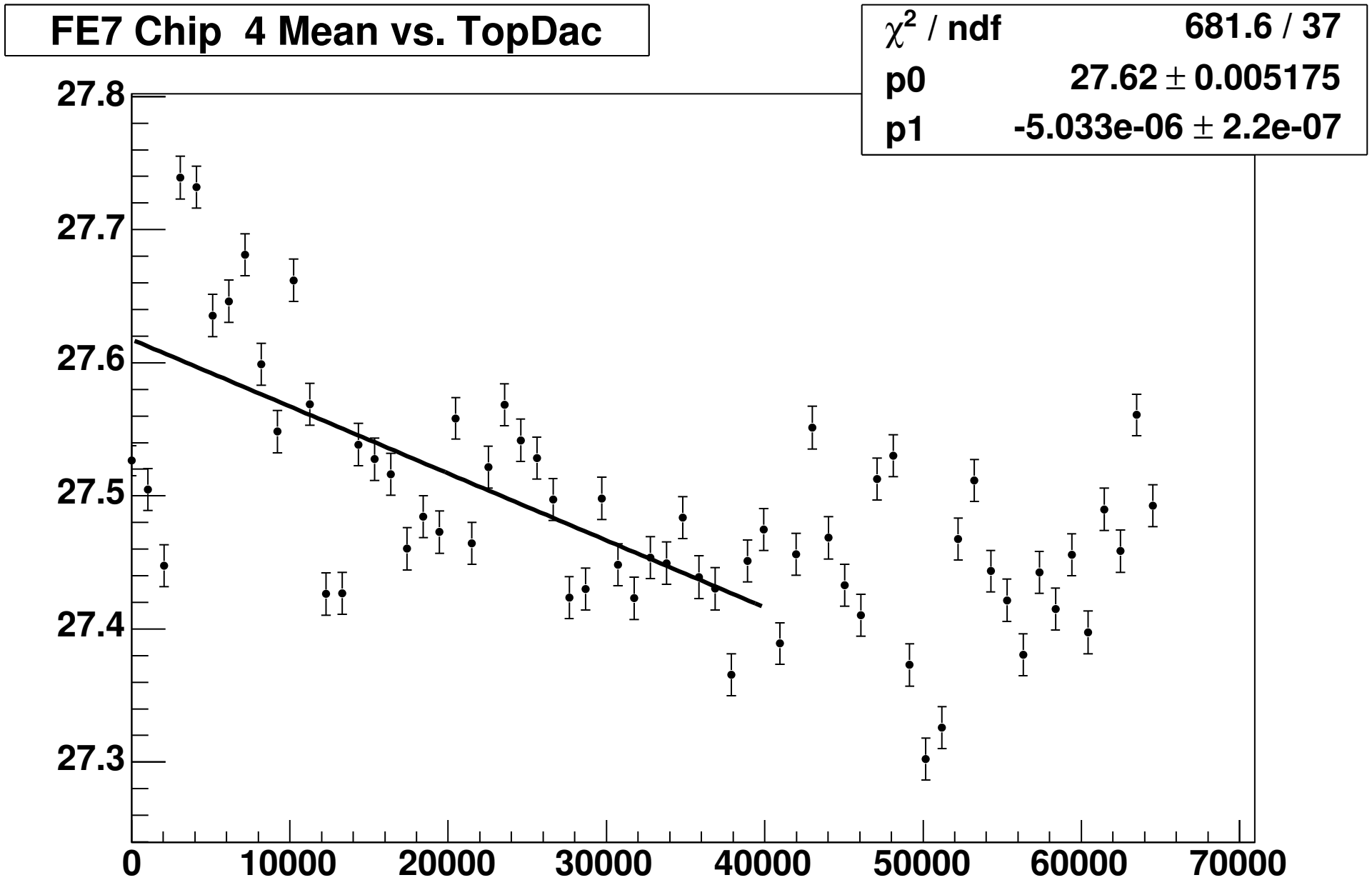
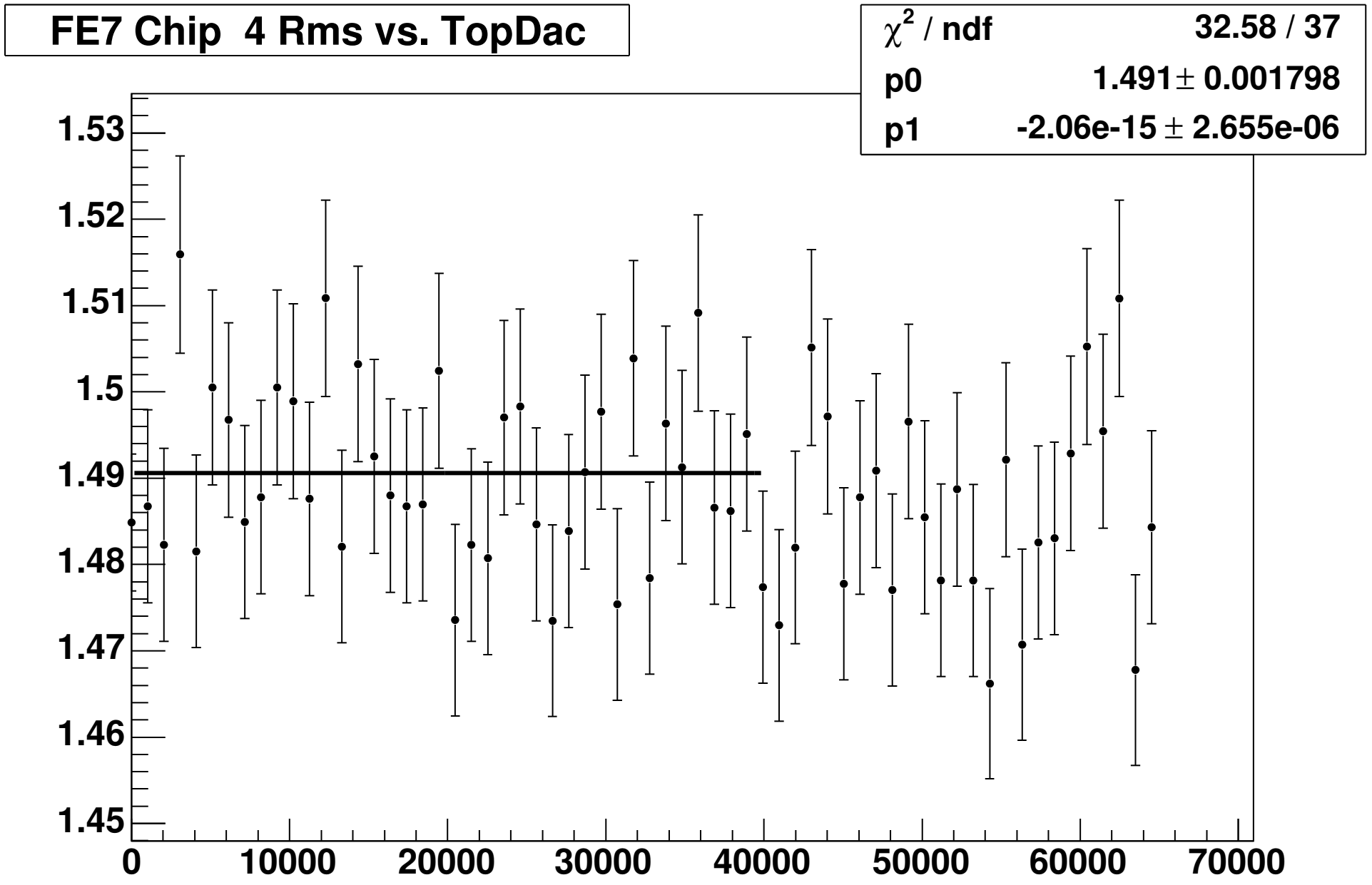
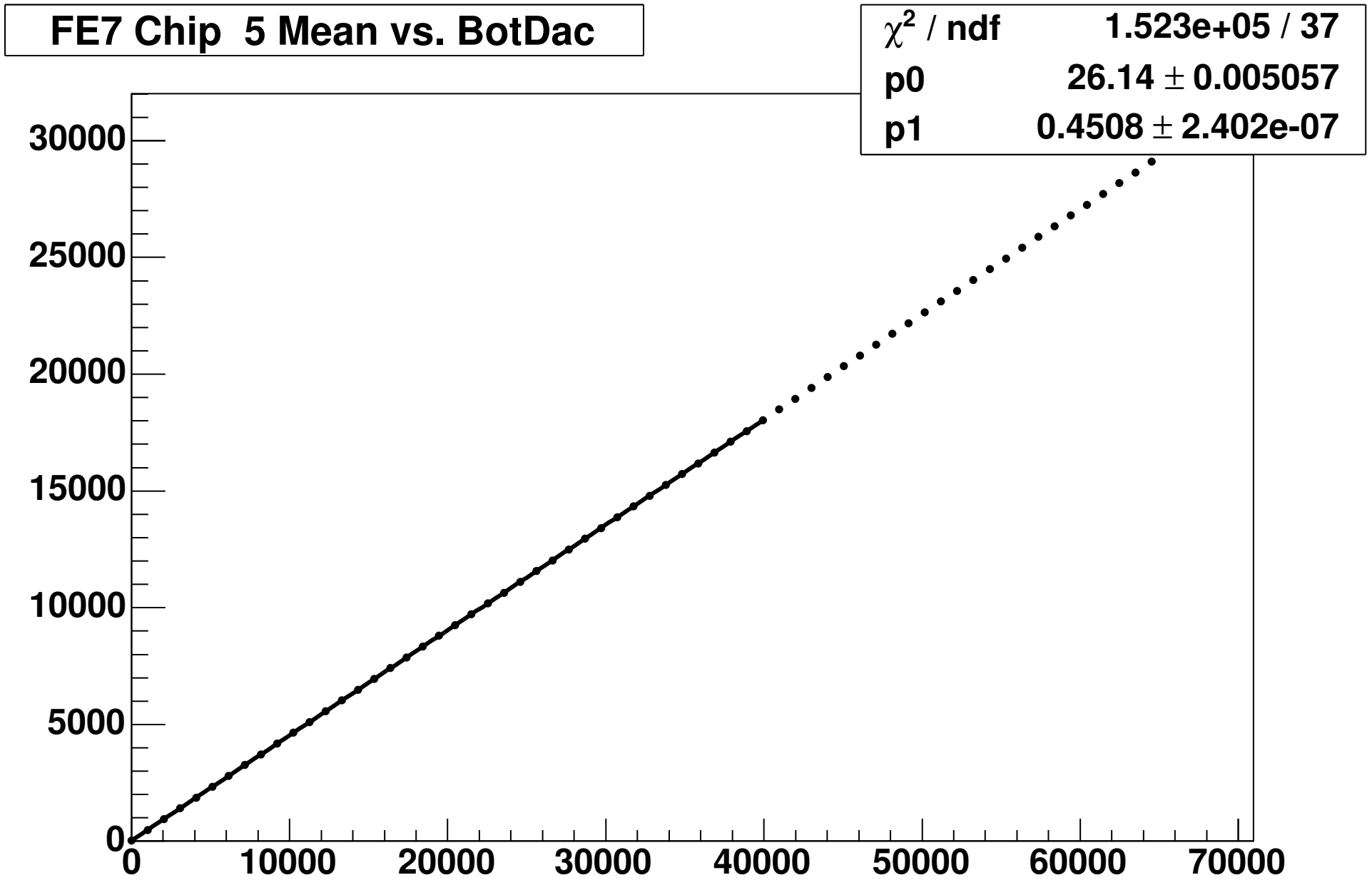
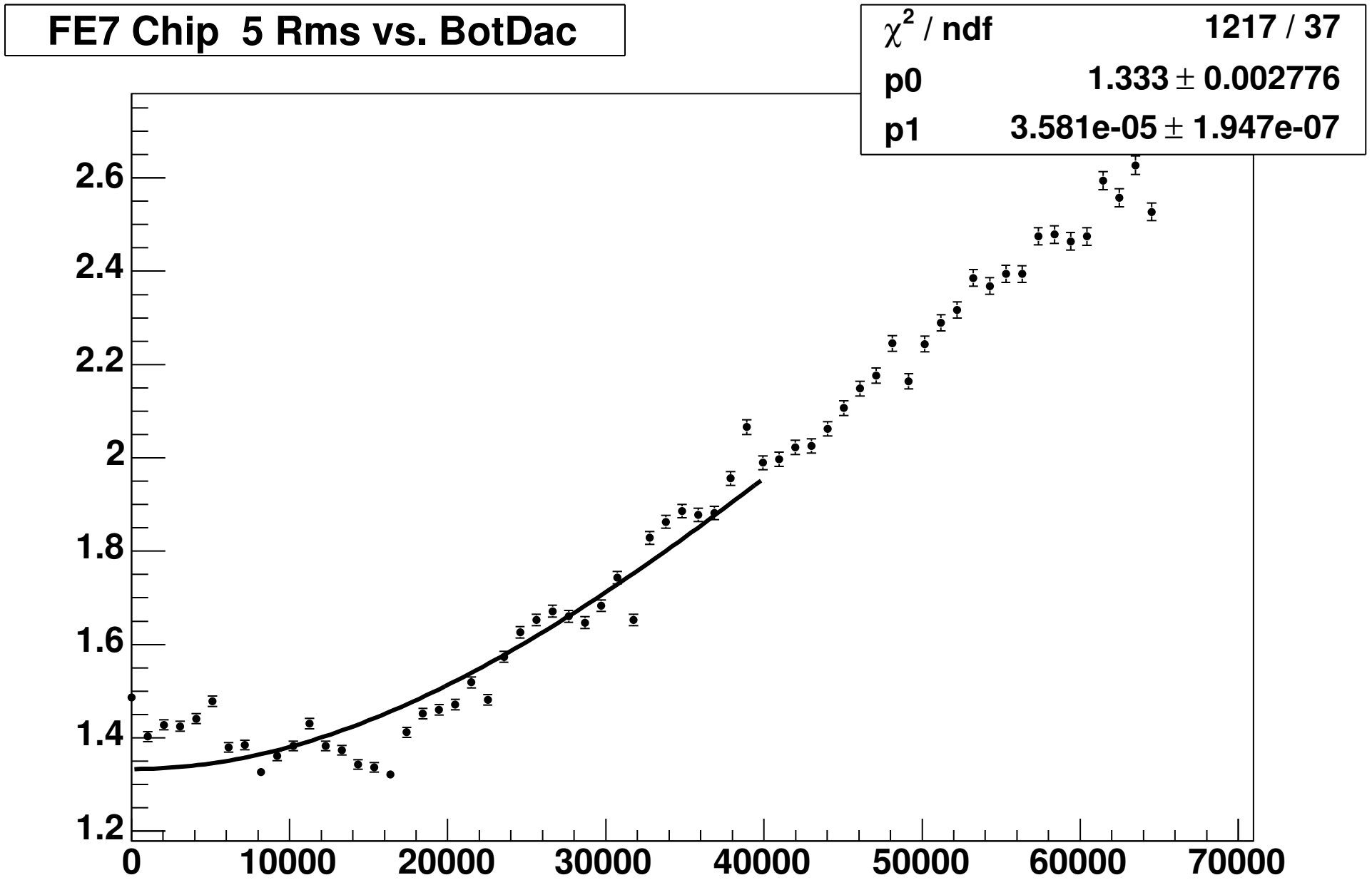

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.319e+05 / 37
p0 29.6 ± 0.005085
p1 0.4508 ± 2.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

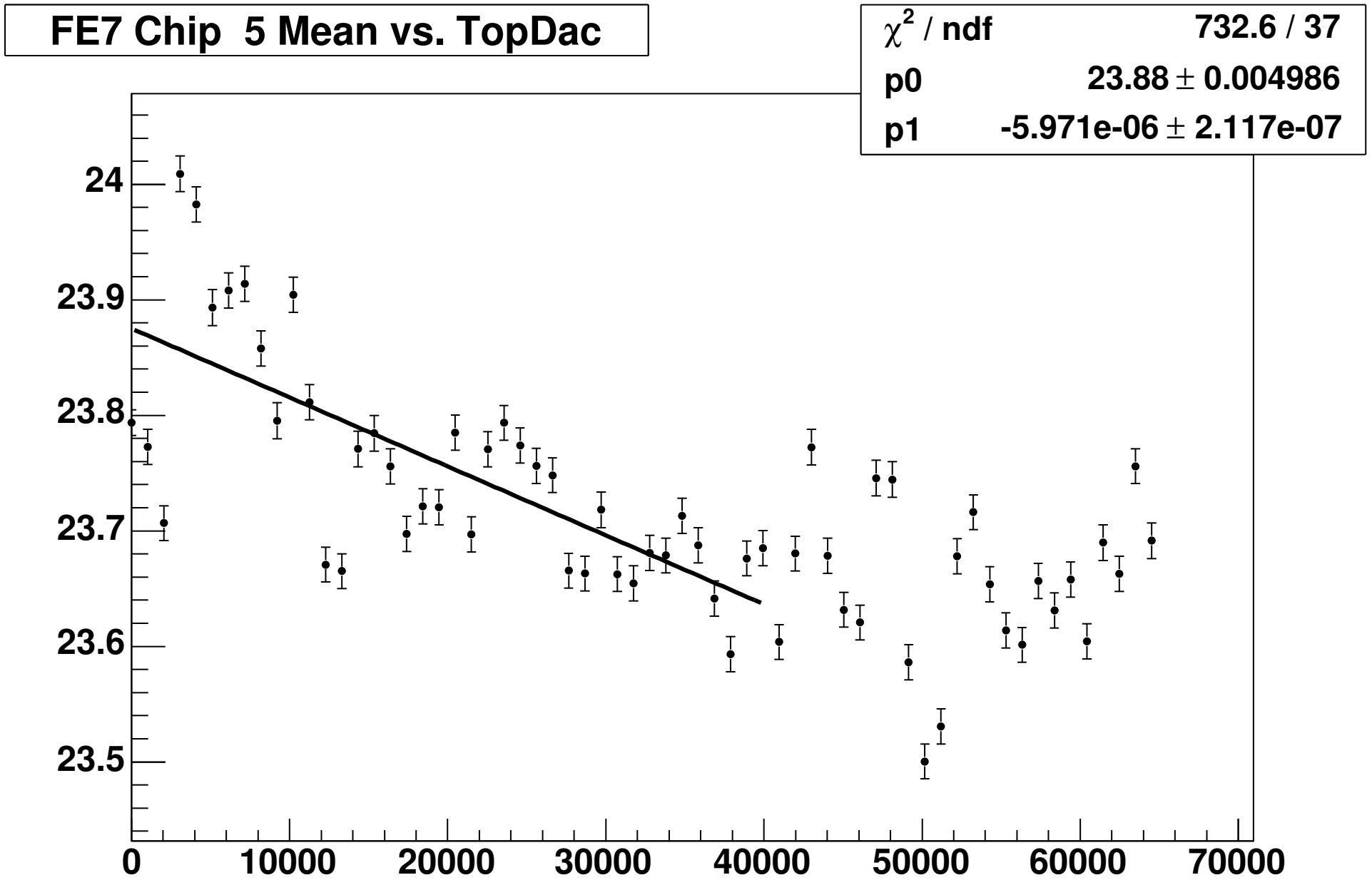

FE7 Chip 4 Rms vs. BotDac
χ^2 / ndf 941 / 37
p0 1.344 ± 0.002799
p1 3.641e-05 ± 1.954e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

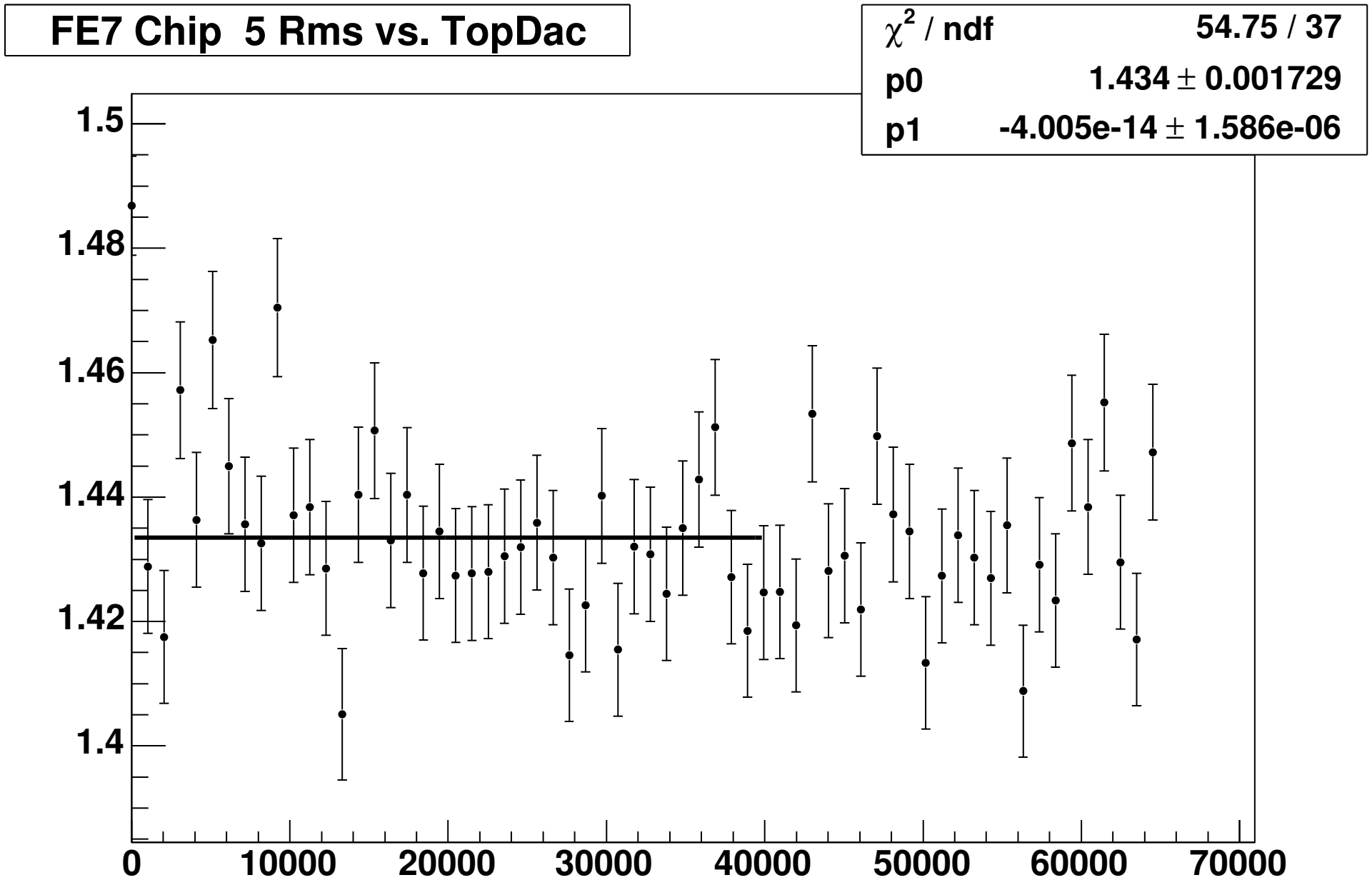

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 681.6 / 37
p0 27.62 ± 0.005175
p1 -5.033e-06 ± 2.2e-07
27.8
27.7
27.6
27.5
27.4
27.3
0
10000
20000
30000
40000
50000
60000
70000

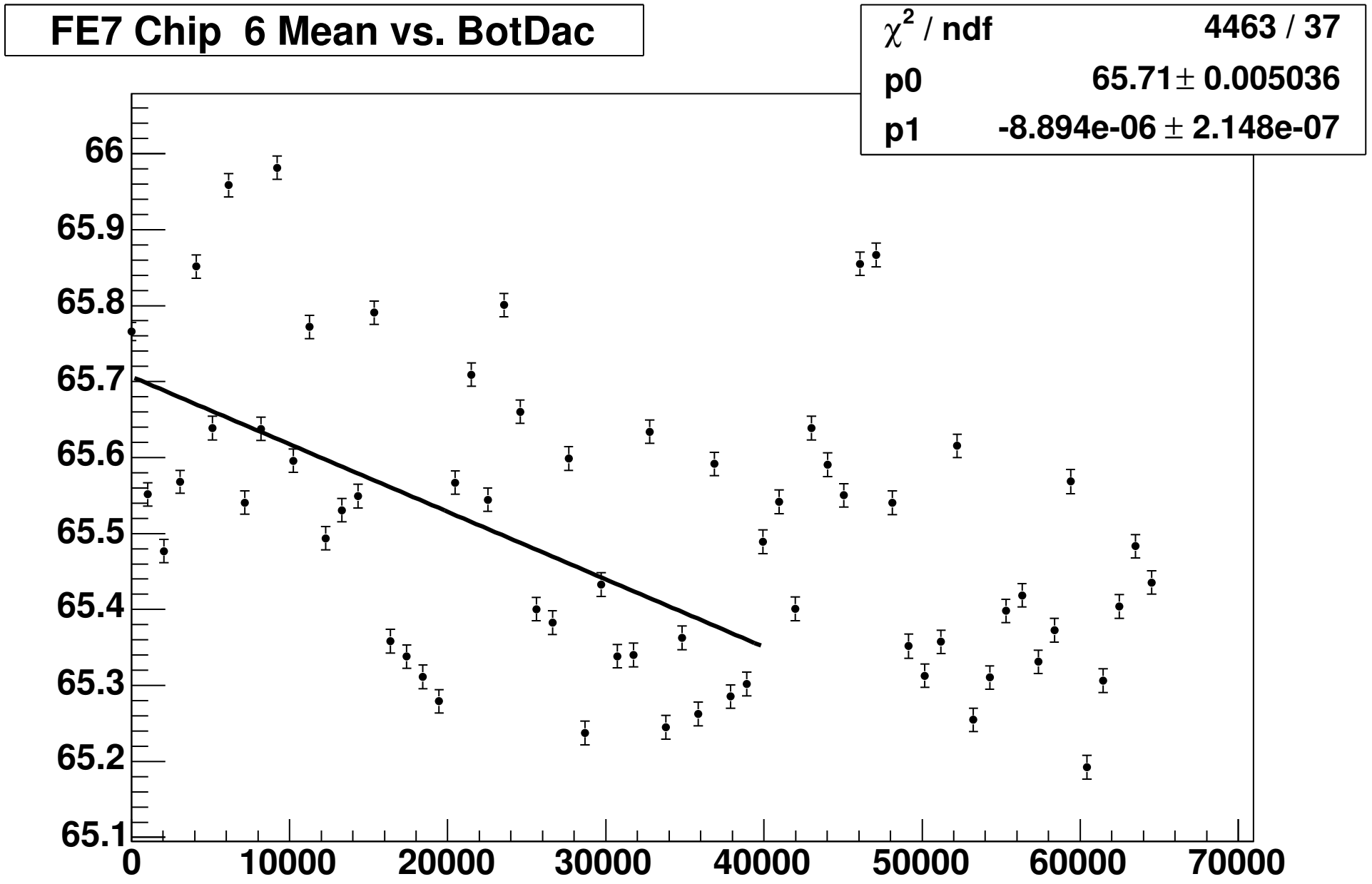

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 32.58 / 37
p0 1.491 ± 0.001798
p1 -2.06e-15 ± 2.655e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

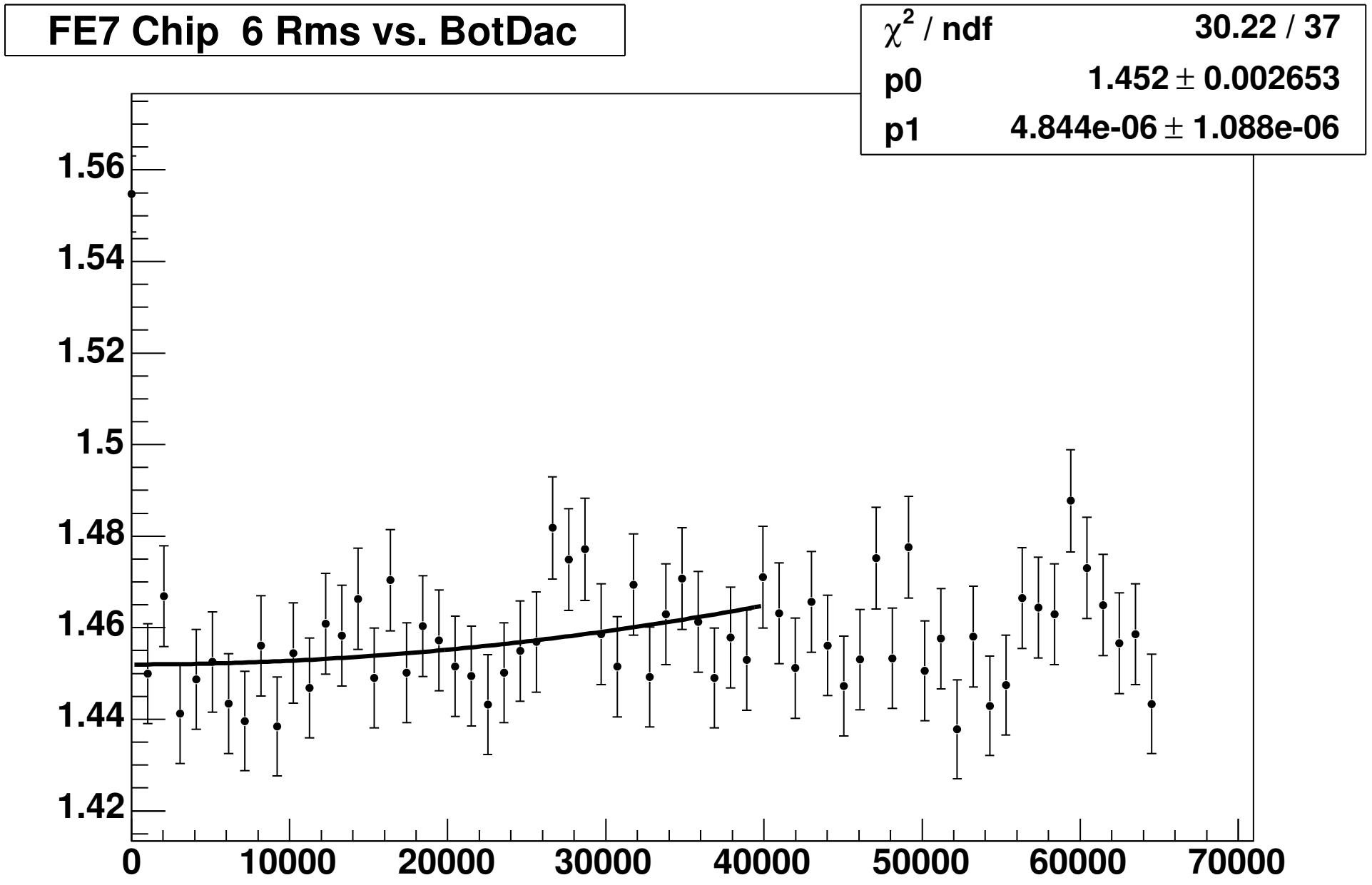

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.523e+05 / 37
p0 26.14 ± 0.005057
p1 0.4508 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

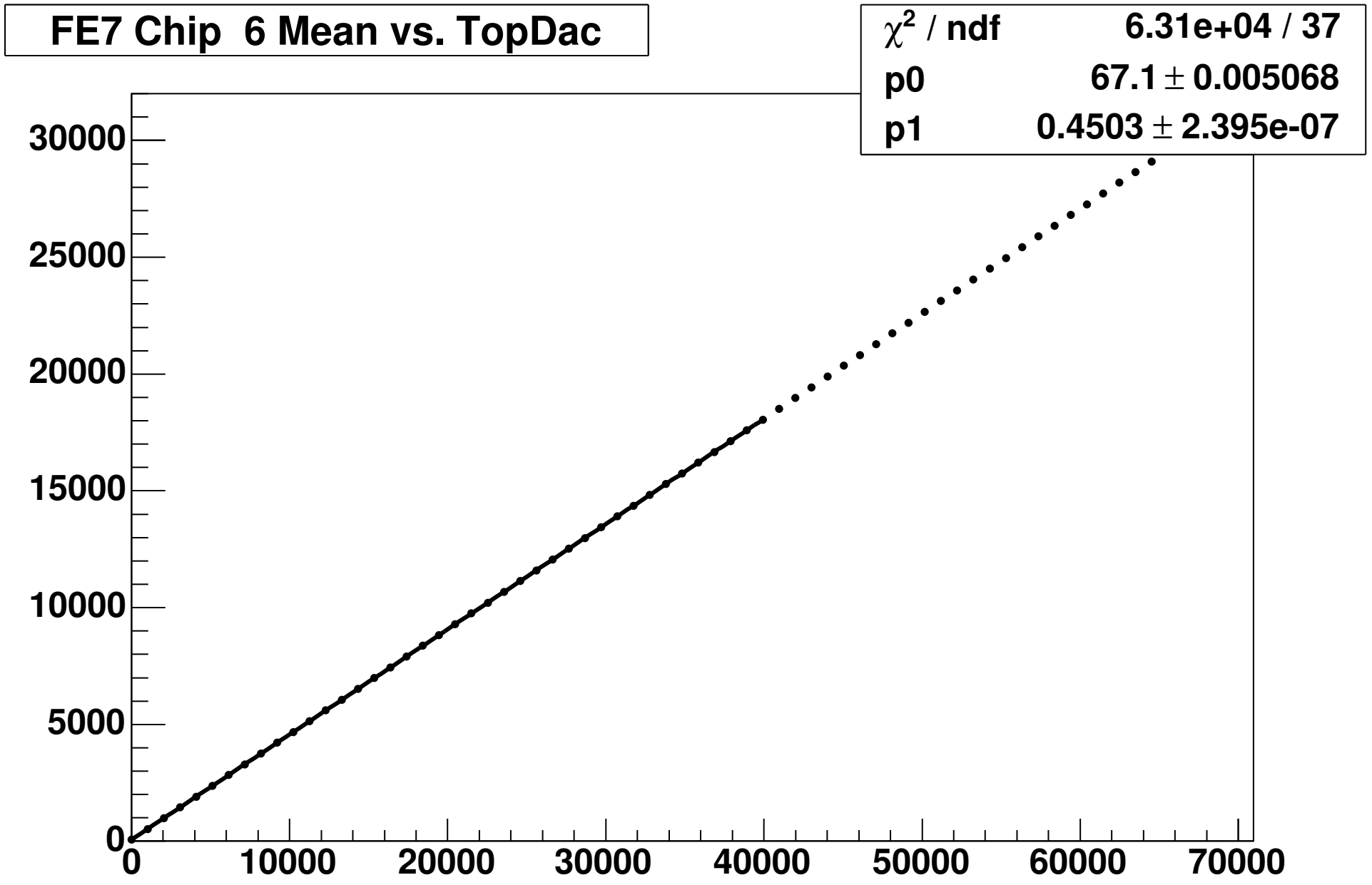

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1217 / 37
p0 1.333 ± 0.002776
p1 3.581e-05 ± 1.947e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

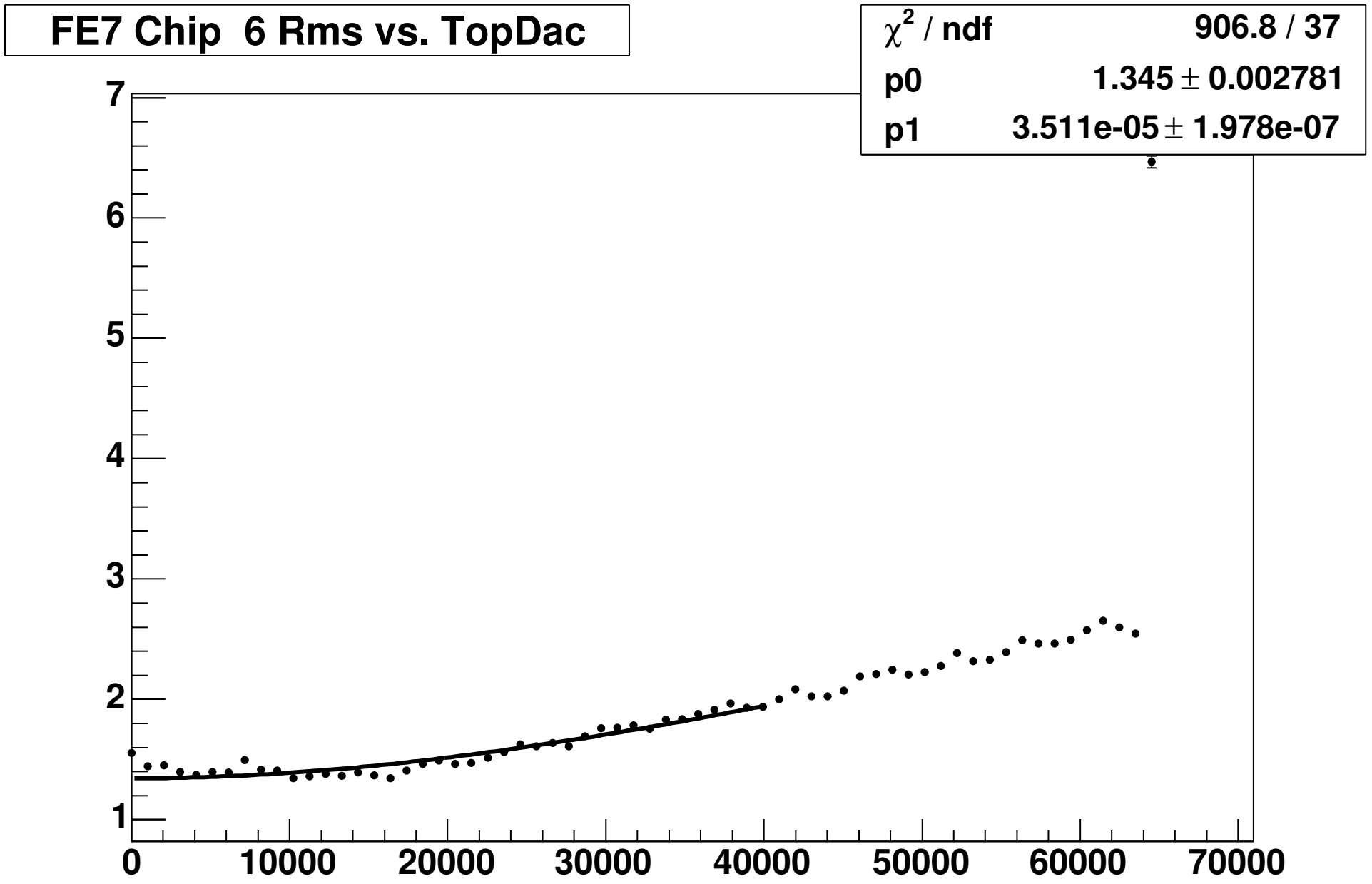

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 732.6 / 37
p0 23.88 ± 0.004986
p1 -5.971e-06 ± 2.117e-07
24
23.9
23.8
23.7
23.6
23.5
0
10000
20000
30000
40000
50000
60000
70000

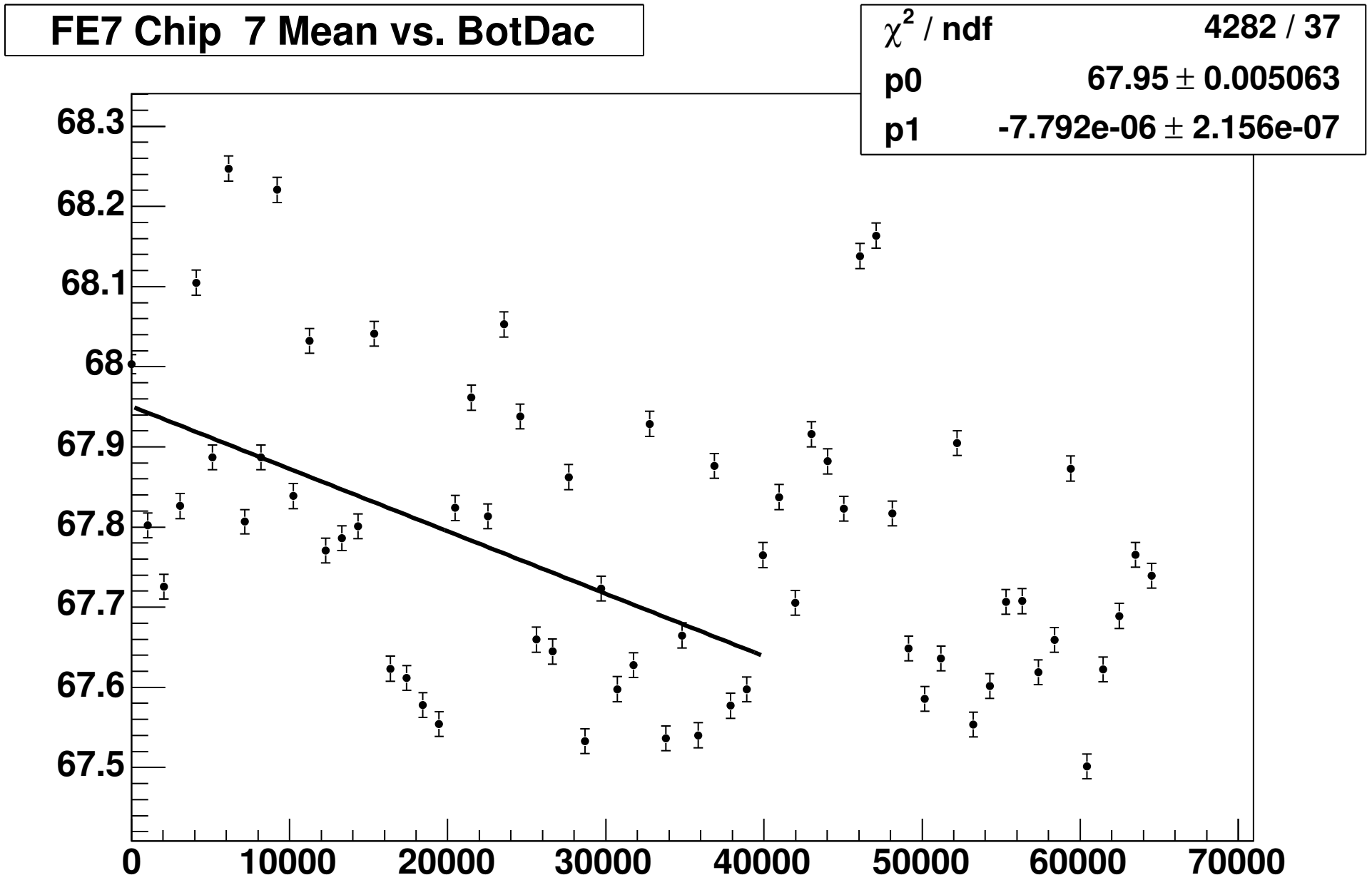

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 54.75 / 37
p0 1.434 ± 0.001729
p1 -4.005e-14 ± 1.586e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

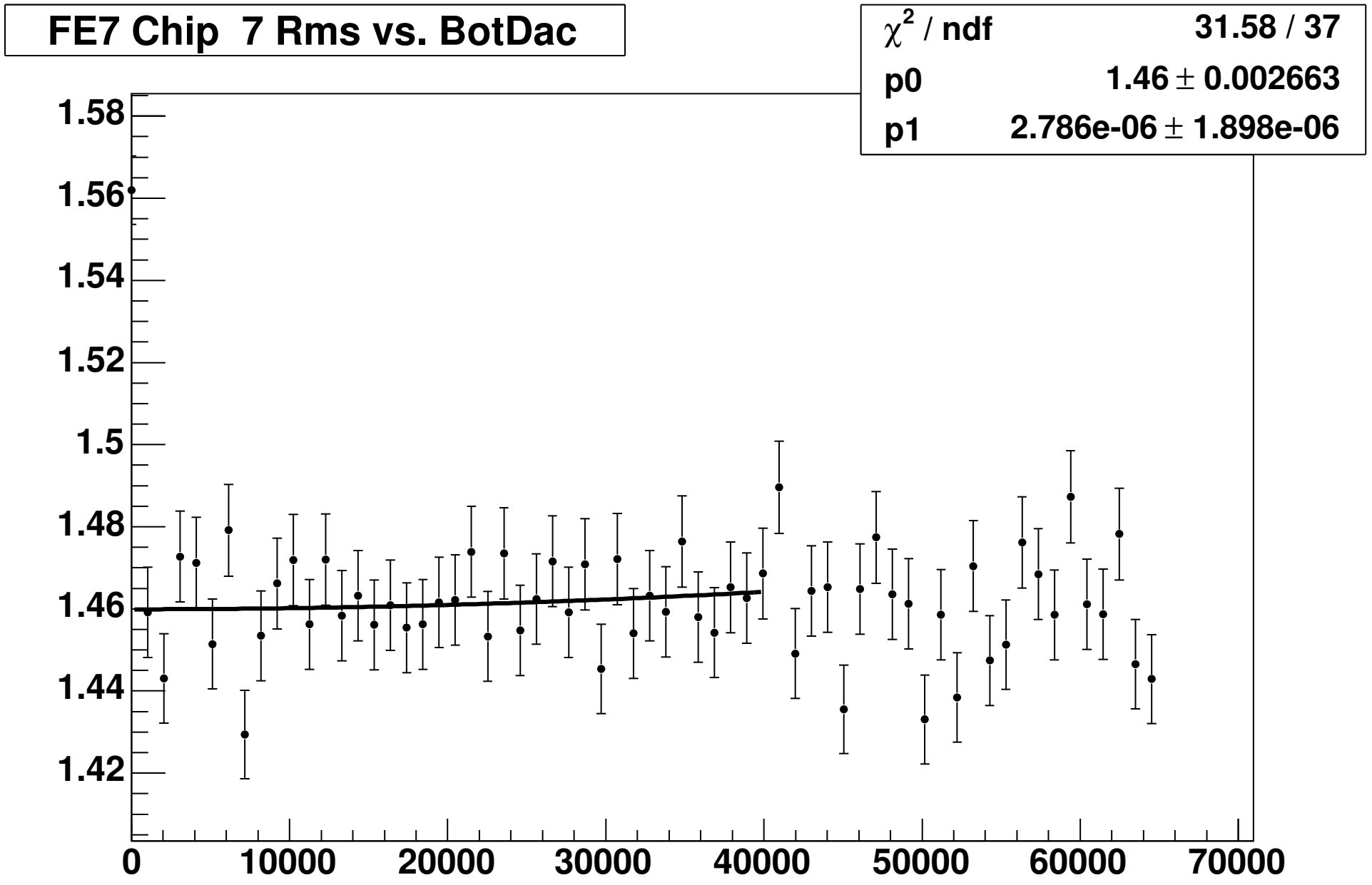

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 4463 / 37
p0 65.71 ± 0.005036
p1 -8.894e-06 ± 2.148e-07
66
65.9
65.8
65.7
65.6
65.5
65.4
65.3
65.2
65.1
0
10000
20000
30000
40000
50000
60000
70000

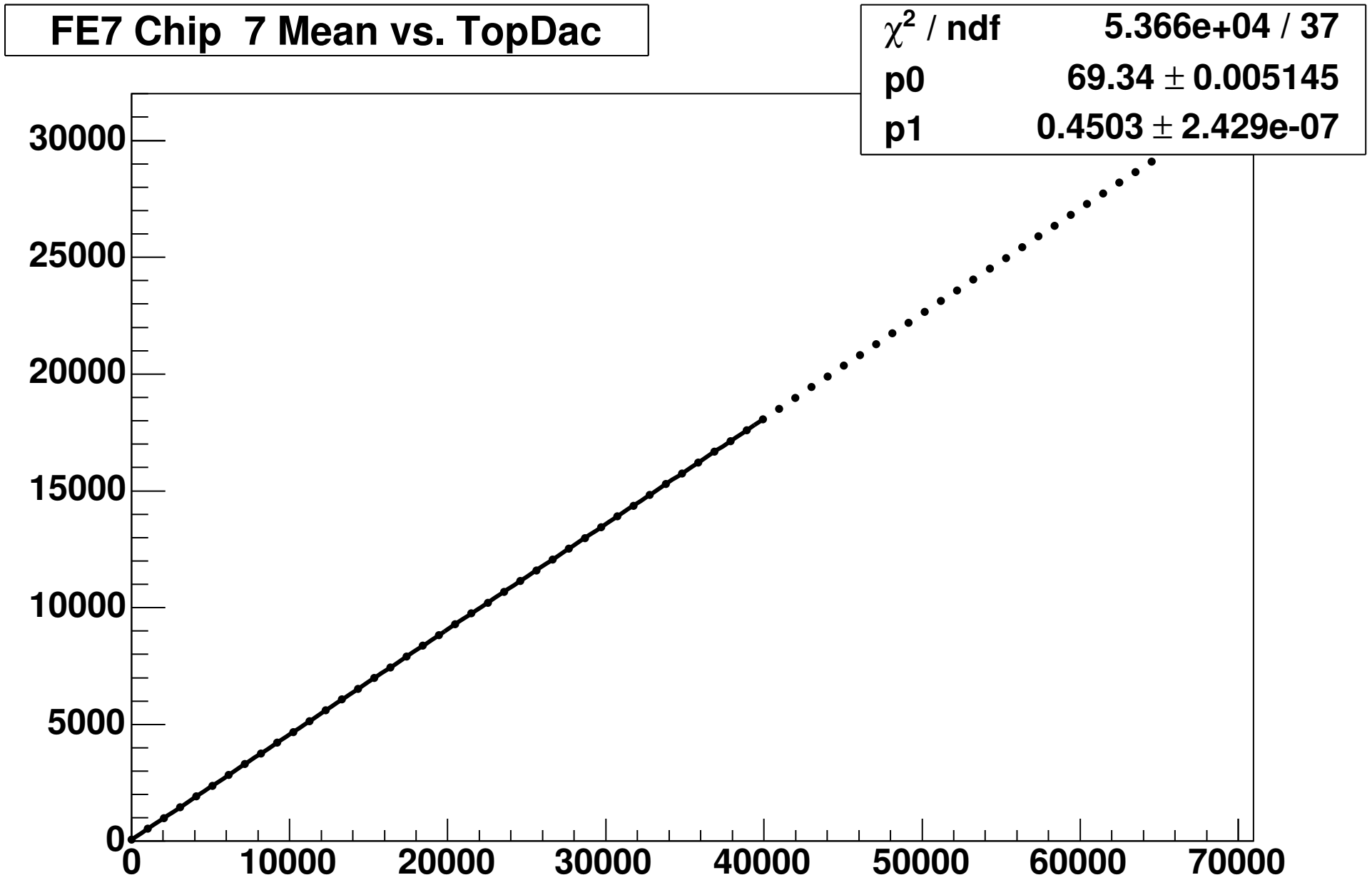

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 30.22 / 37
p0 1.452 ± 0.002653
p1 4.844e-06 ± 1.088e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

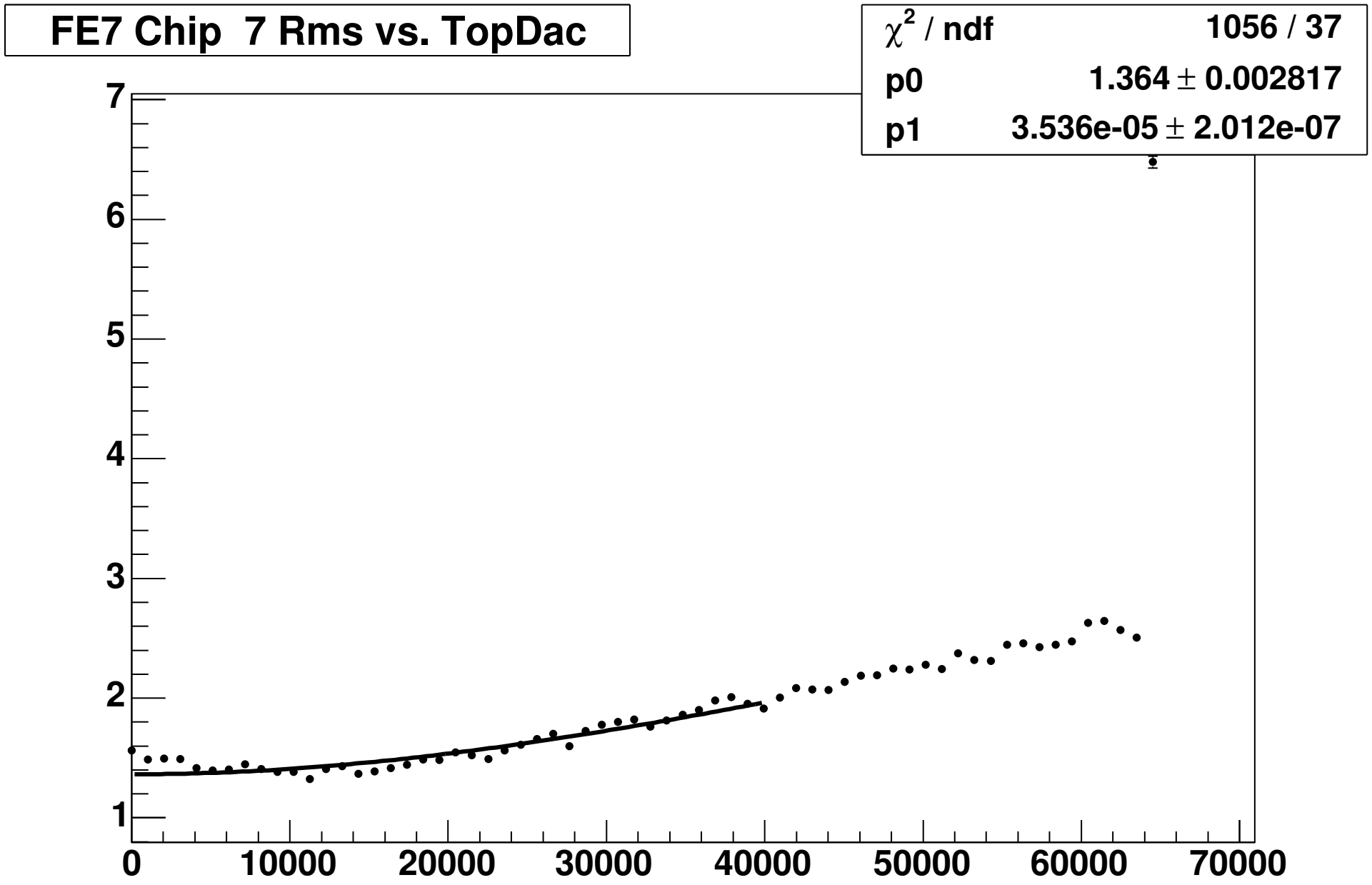

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 6.31e+04 / 37
p0 67.1 ± 0.005068
p1 0.4503 ± 2.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

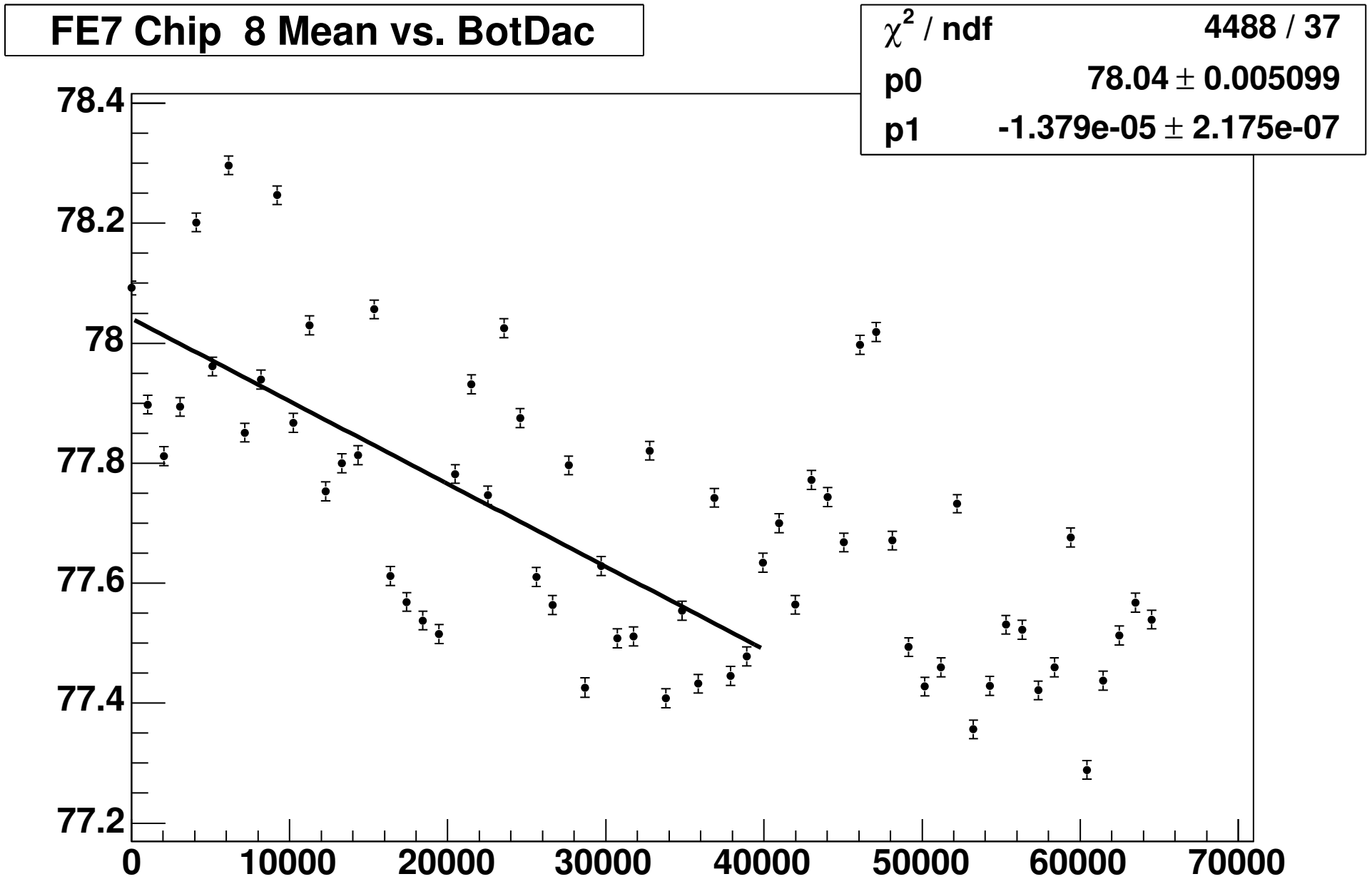

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 906.8 / 37
p0 1.345 ± 0.002781
p1 3.511e-05 ± 1.978e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

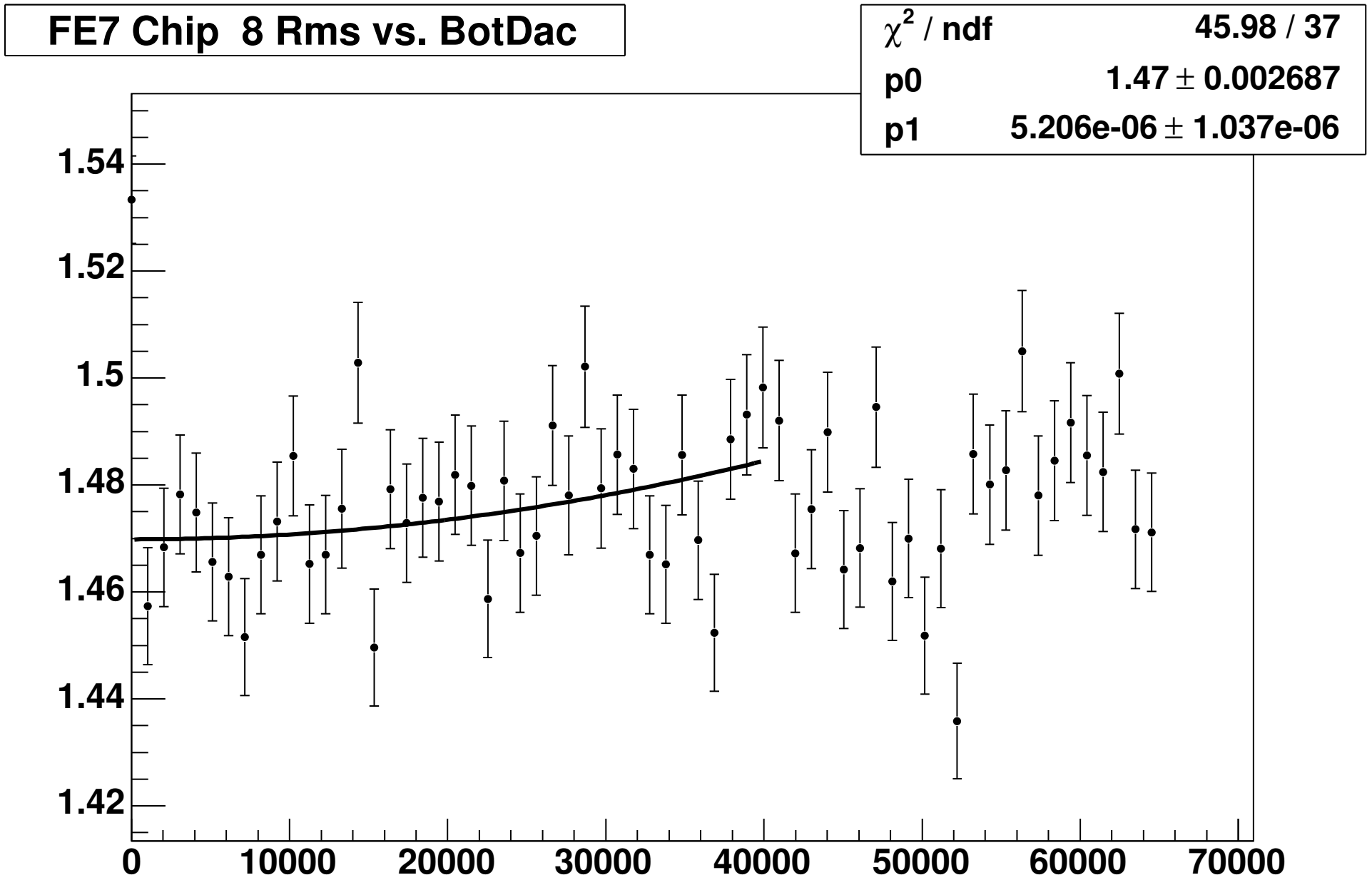

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 4282 / 37
p0 67.95 ± 0.005063
p1 -7.792e-06 ± 2.156e-07
68.3
68.2
68.1
68
67.9
67.8
67.7
67.6
67.5
0
10000
20000
30000
40000
50000
60000
70000

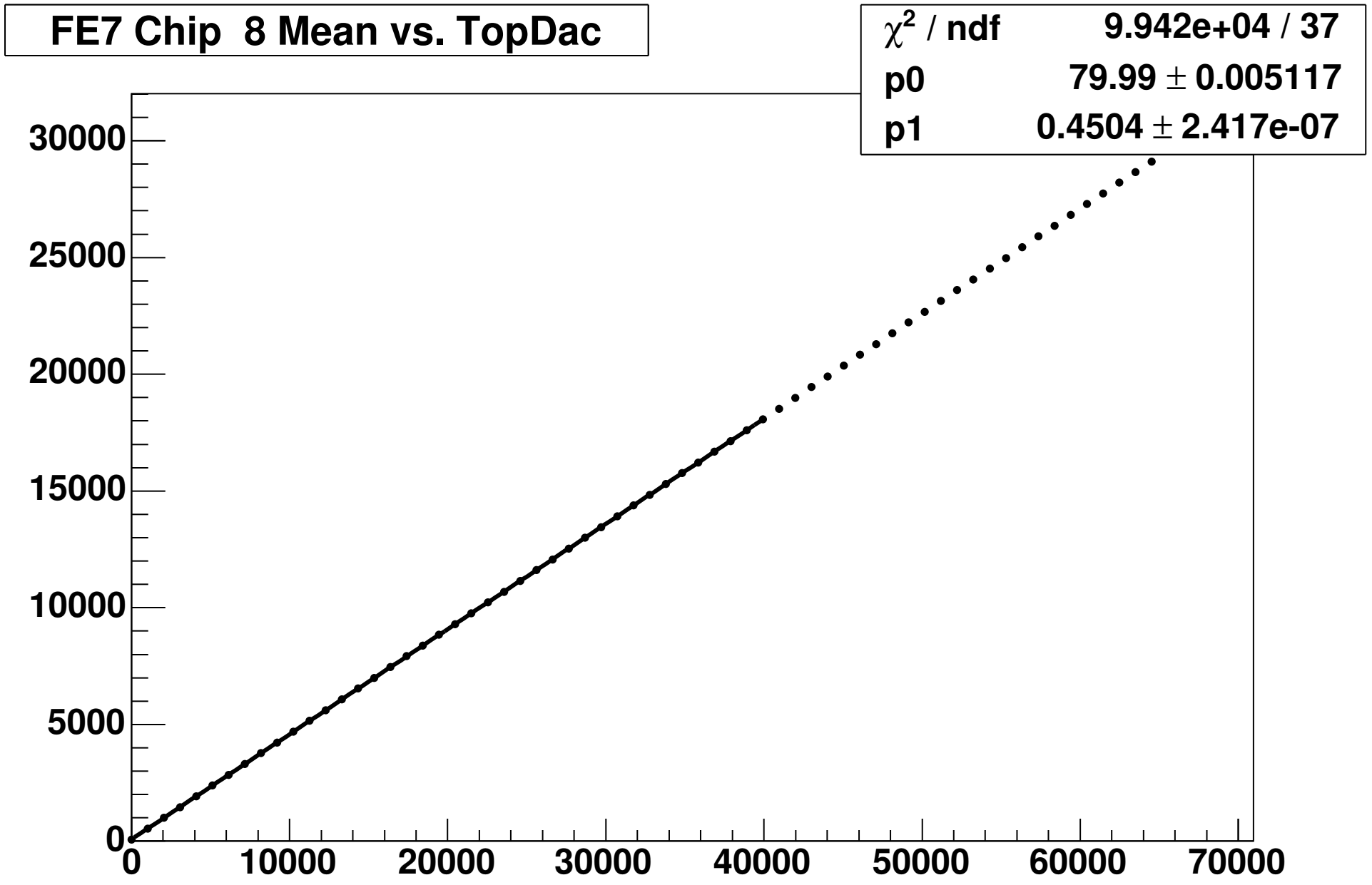

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 31.58 / 37
p0 1.46 ± 0.002663
p1 2.786e-06 ± 1.898e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

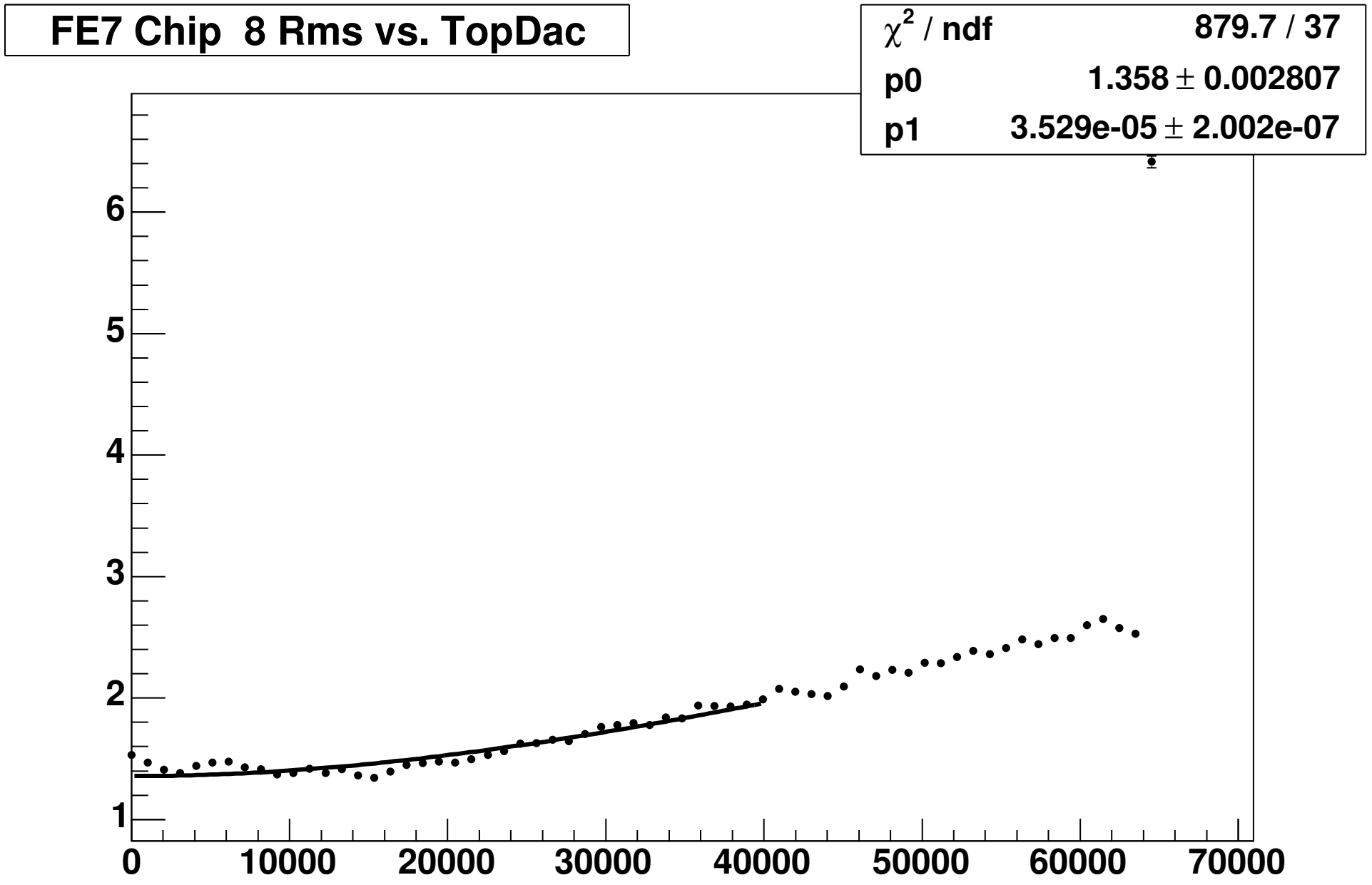

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 5.366e+04 / 37
p0 69.34 ± 0.005145
p1 0.4503 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

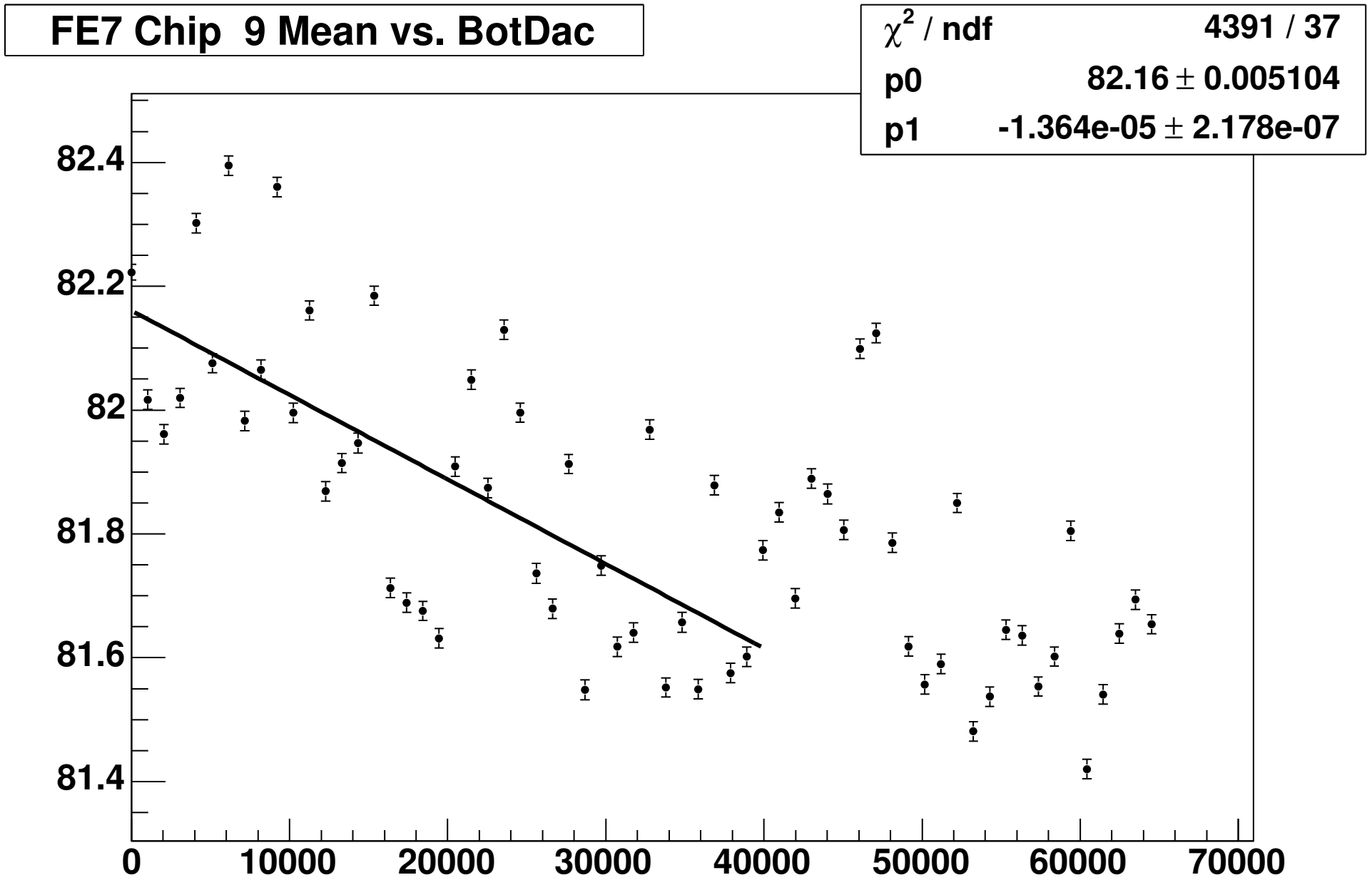

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1056 / 37
p0 1.364 ± 0.002817
p1 3.536e-05 ± 2.012e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

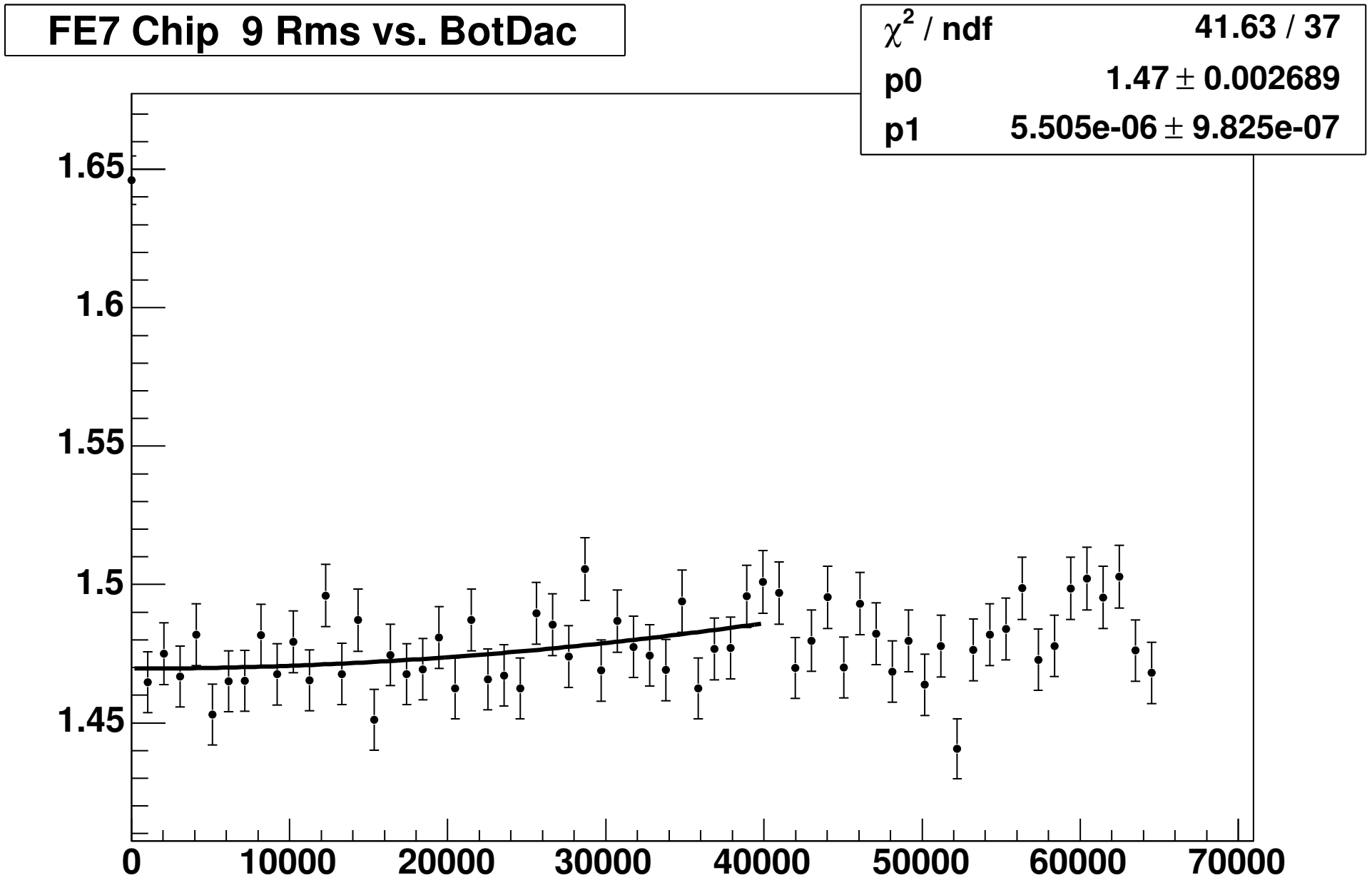

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 4488 / 37
p0 78.04 ± 0.005099
p1 -1.379e-05 ± 2.175e-07
78.4
78.2
78
77.8
77.6
77.4
77.2
0
10000
20000
30000
40000
50000
60000
70000

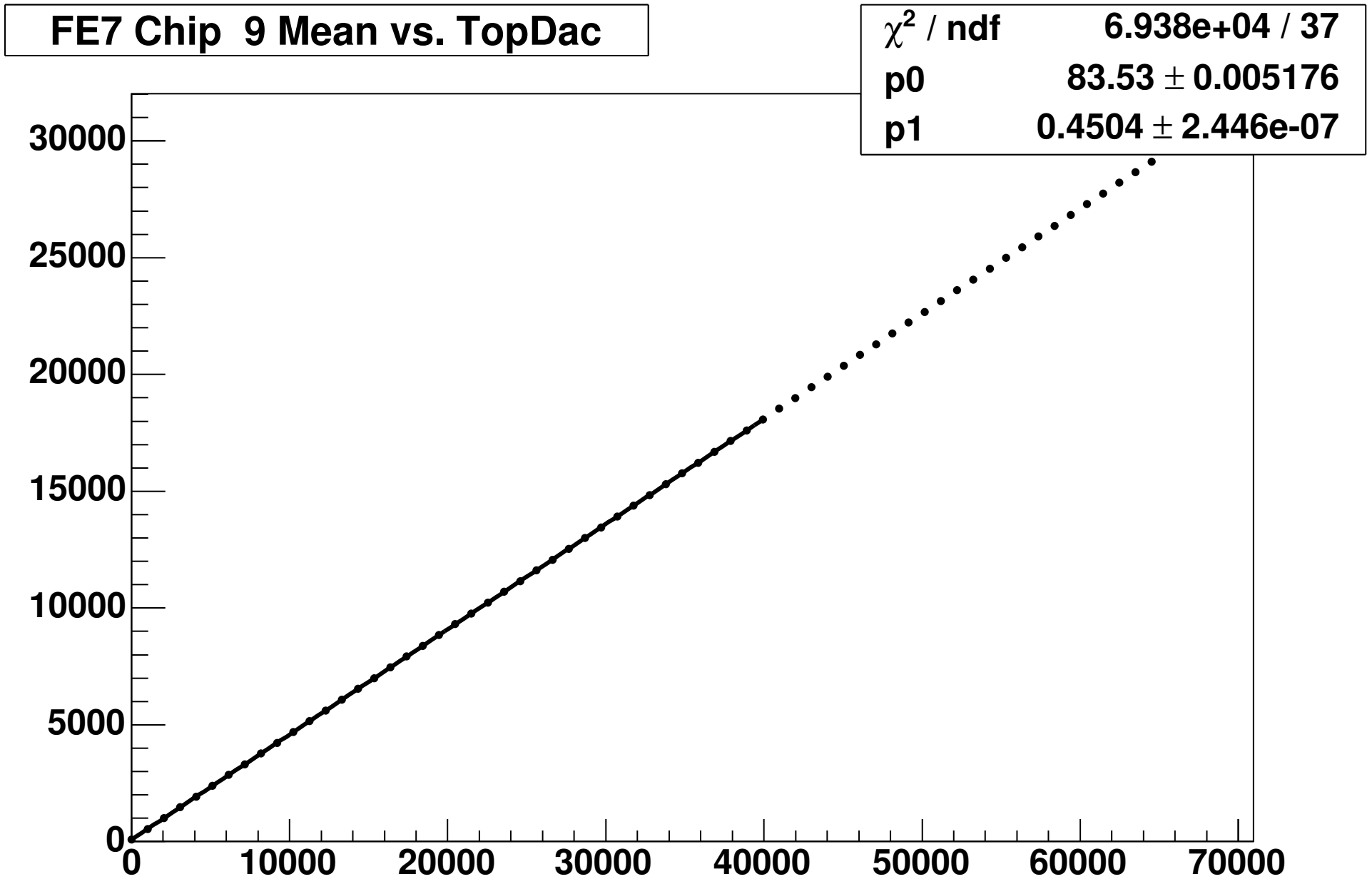

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 45.98 / 37
p0 1.47 ± 0.002687
p1 5.206e-06 ± 1.037e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

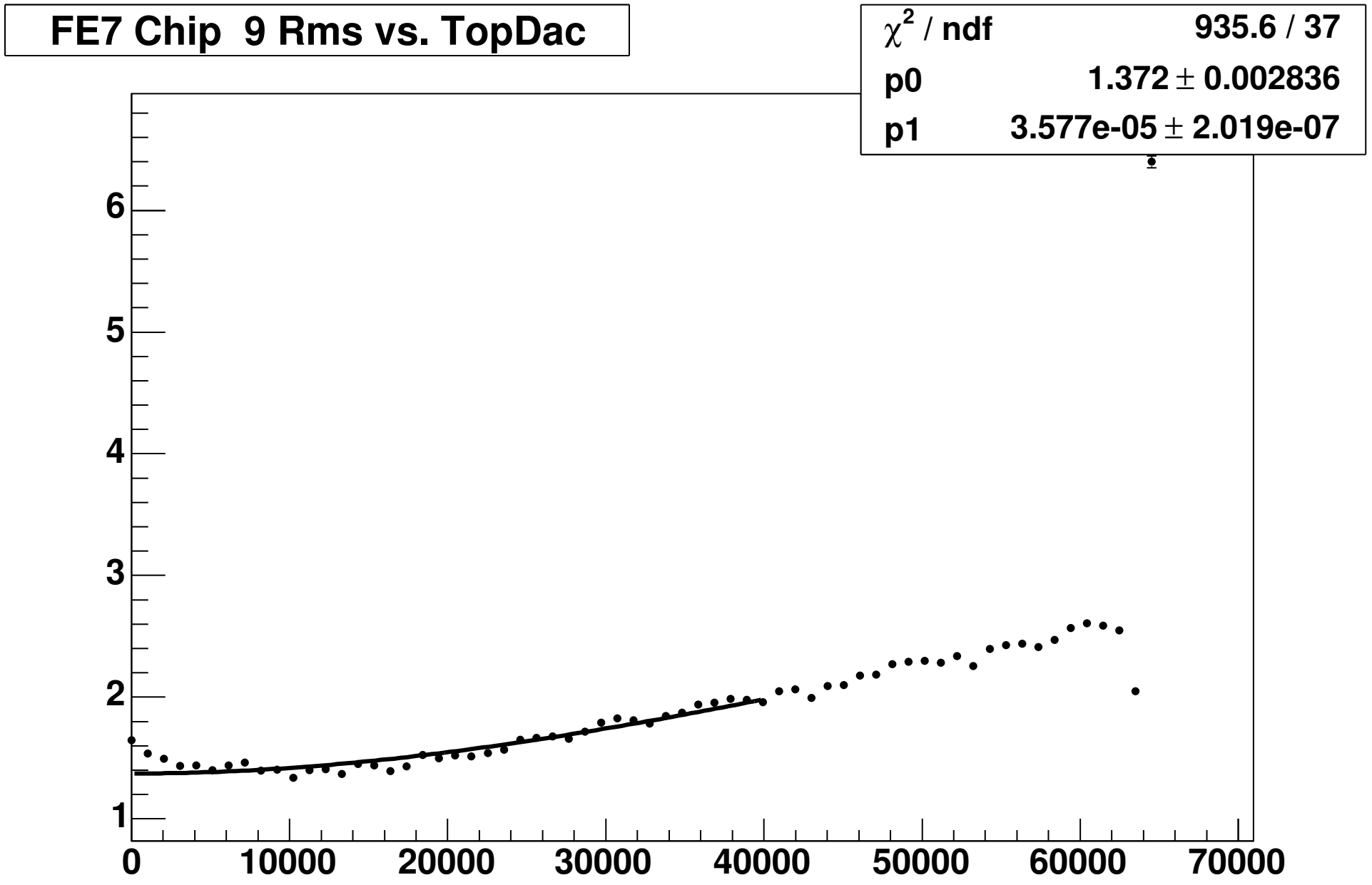

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 9.942e+04 / 37
p0 79.99 ± 0.005117
p1 0.4504 ± 2.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

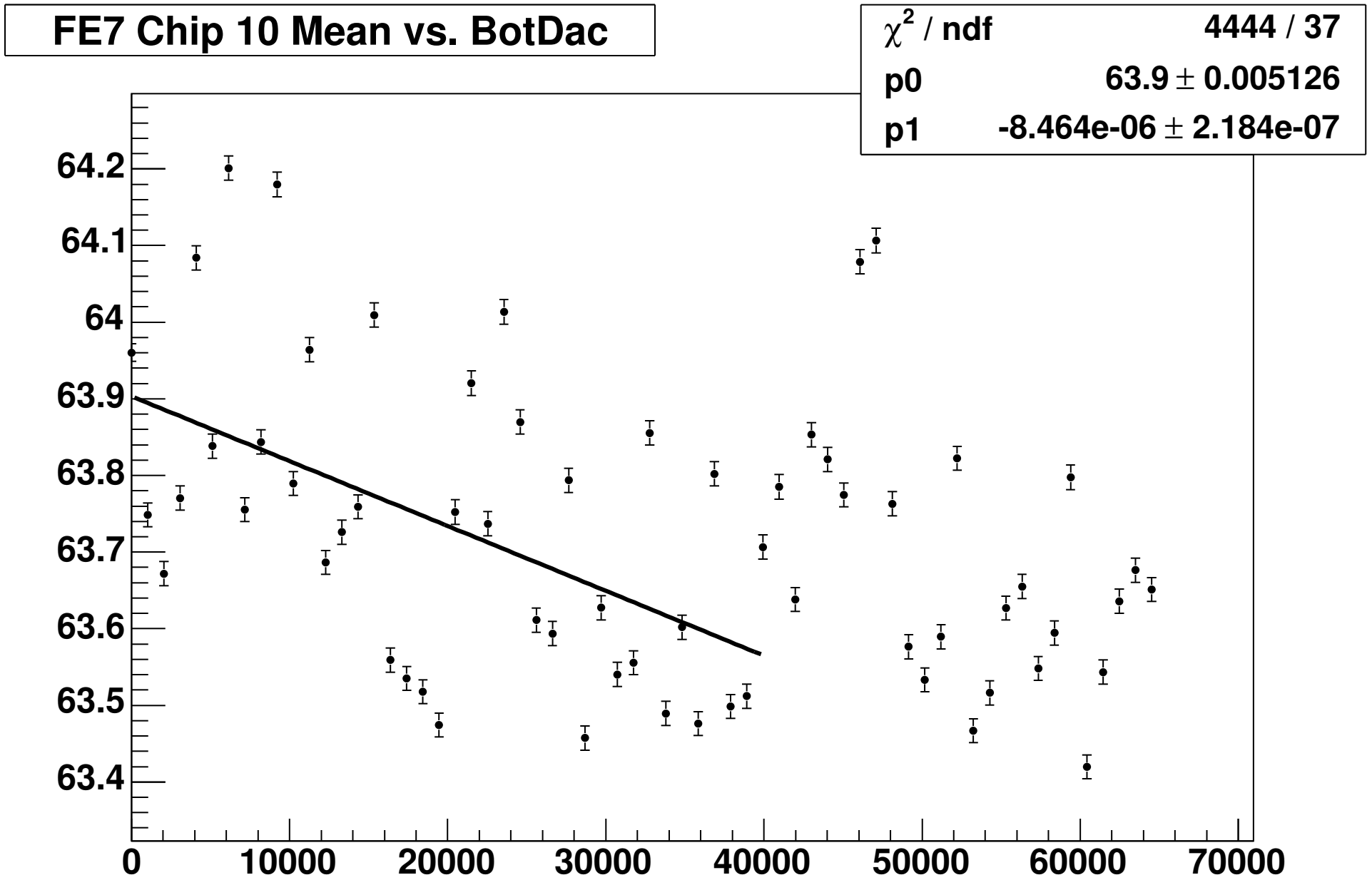

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 879.7 / 37
p0 1.358 ± 0.002807
p1 3.529e-05 ± 2.002e-07
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

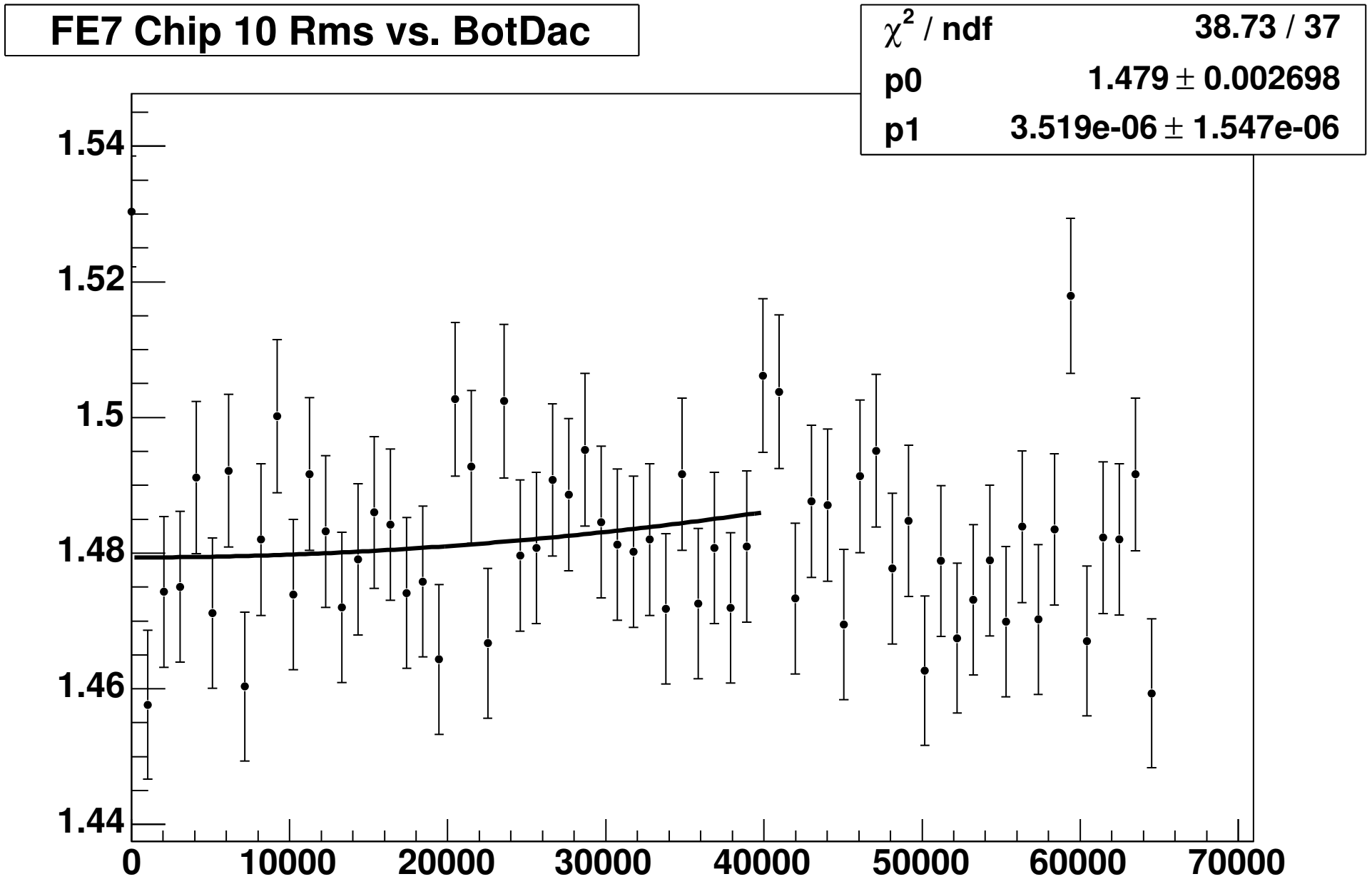

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 4391 / 37
p0 82.16 ± 0.005104
p1 -1.364e-05 ± 2.178e-07
82.4
82.2
82
81.8
81.6
81.4
0
10000
20000
30000
40000
50000
60000
70000

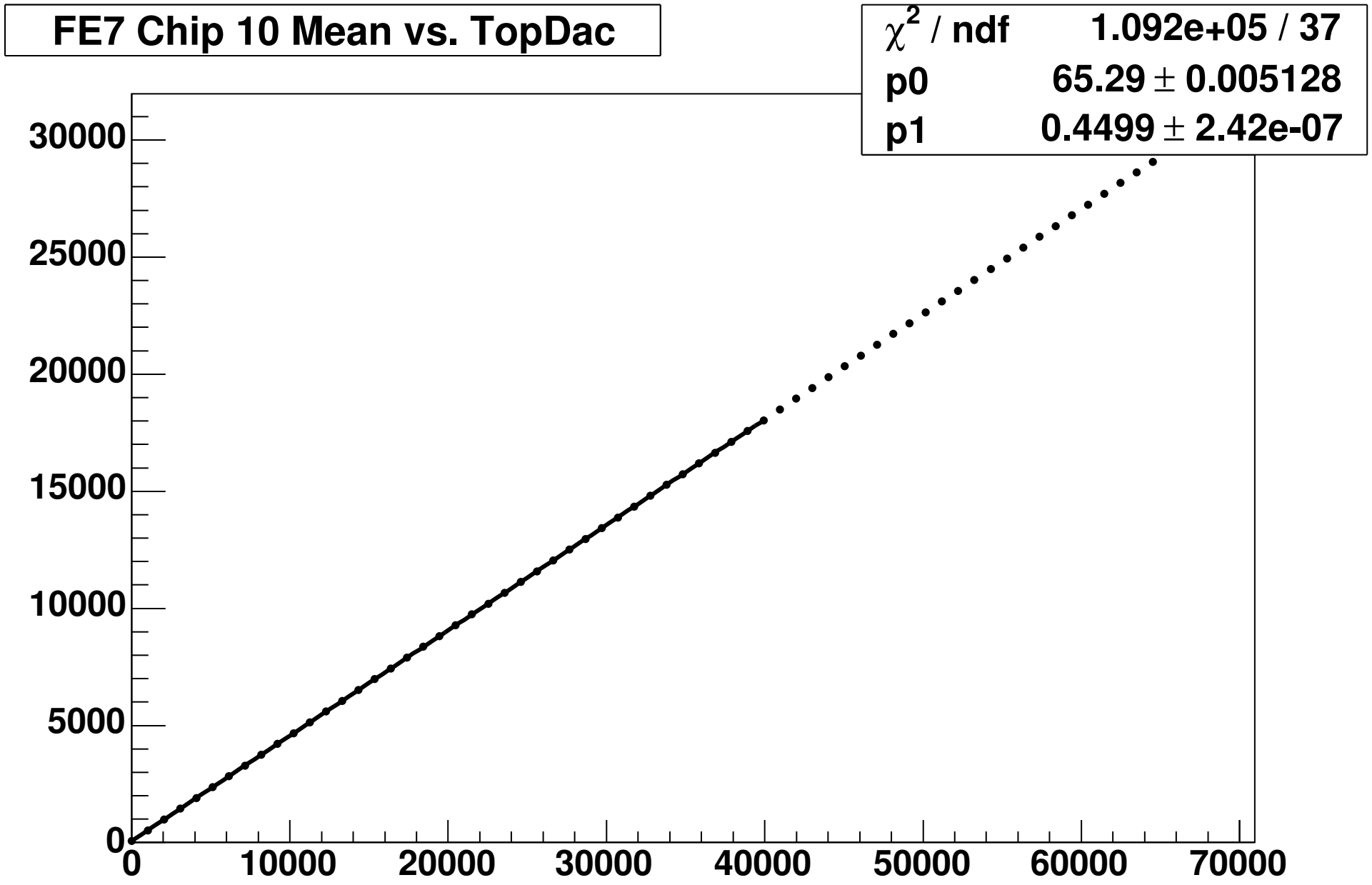

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 41.63 / 37
p0 1.47 ± 0.002689
p1 5.505e-06 ± 9.825e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

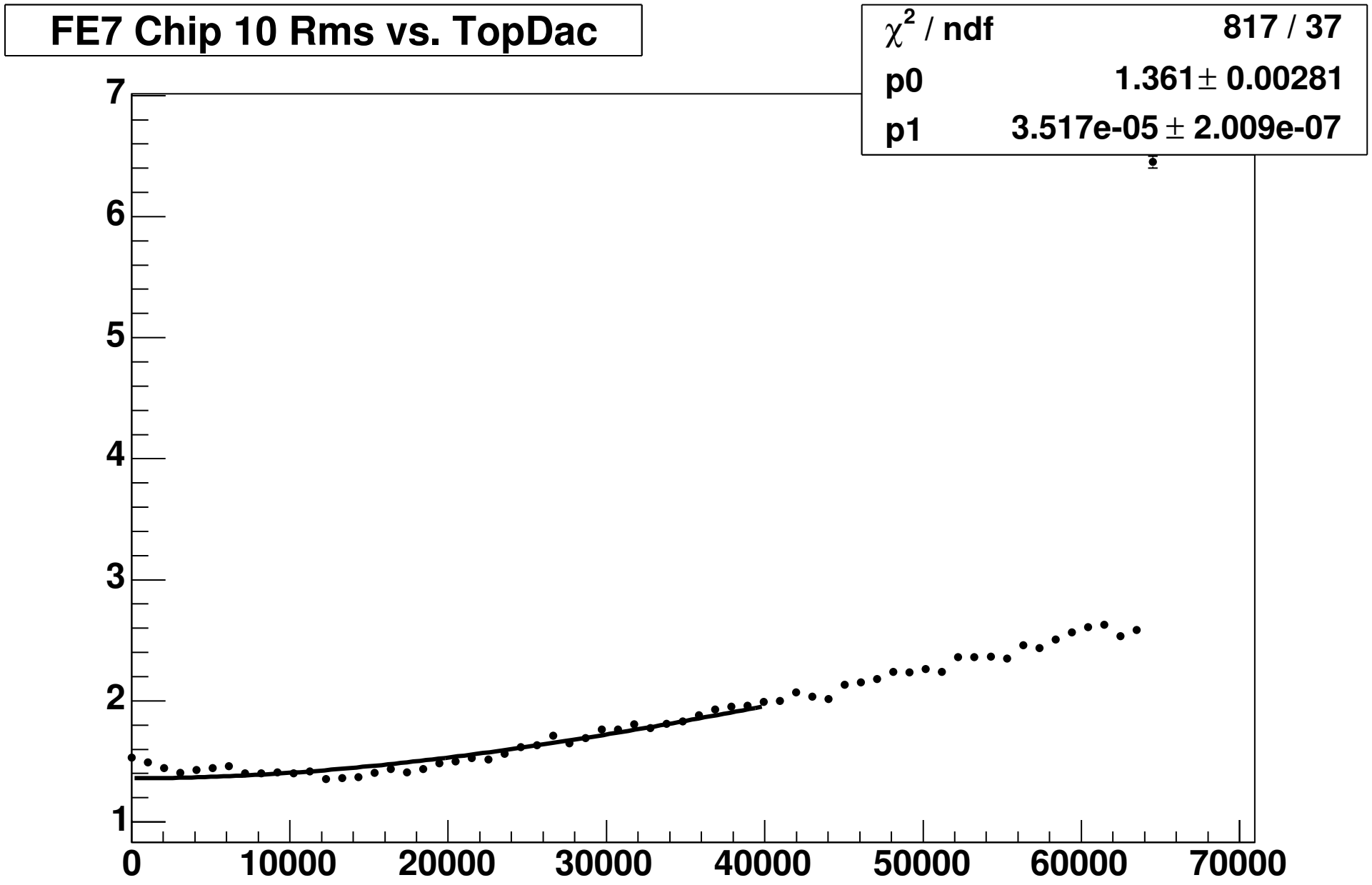

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 6.938e+04 / 37
p0 83.53 ± 0.005176
p1 0.4504 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

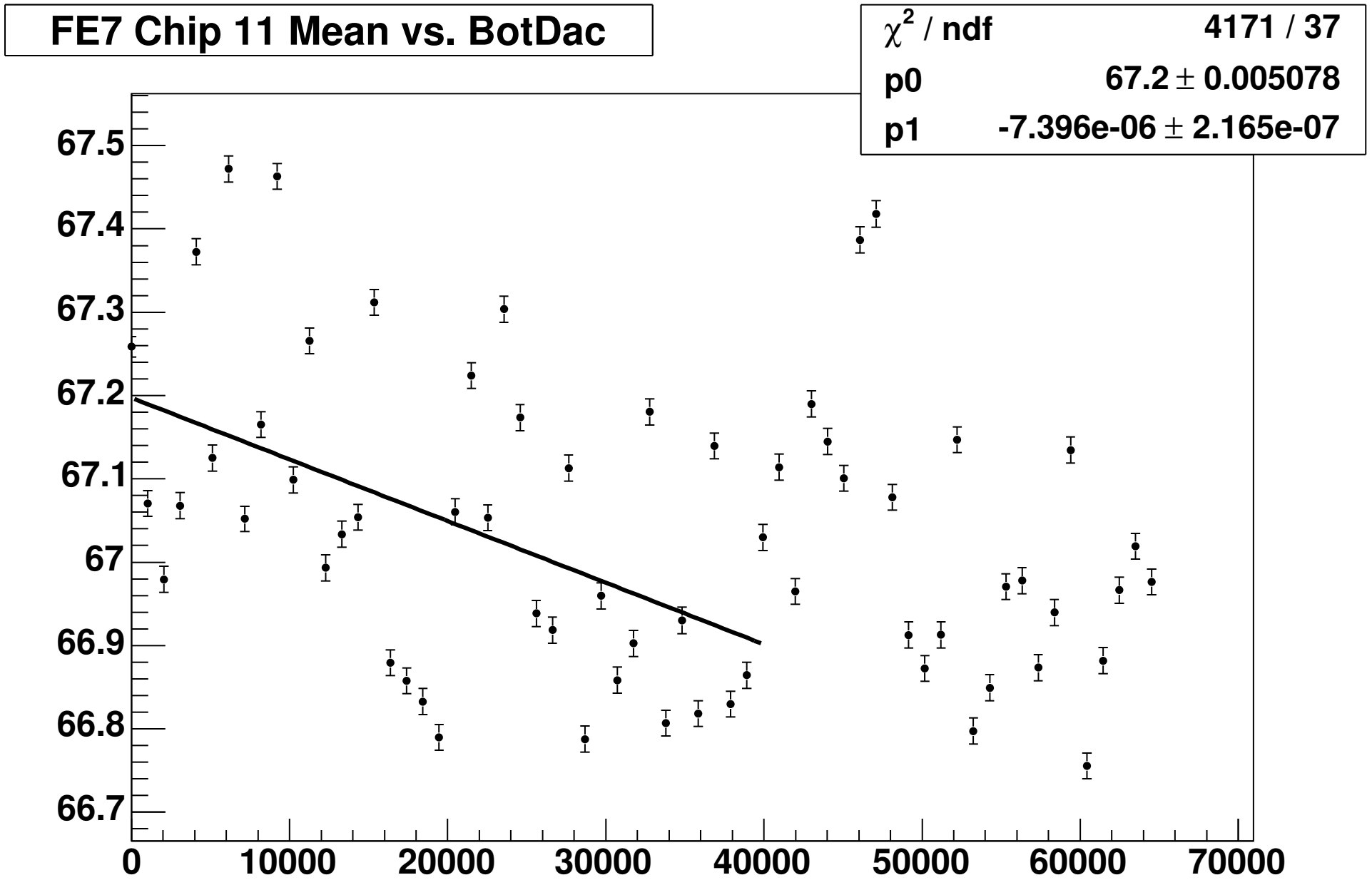

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 935.6 / 37
p0 1.372 ± 0.002836
p1 3.577e-05 ± 2.019e-07
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

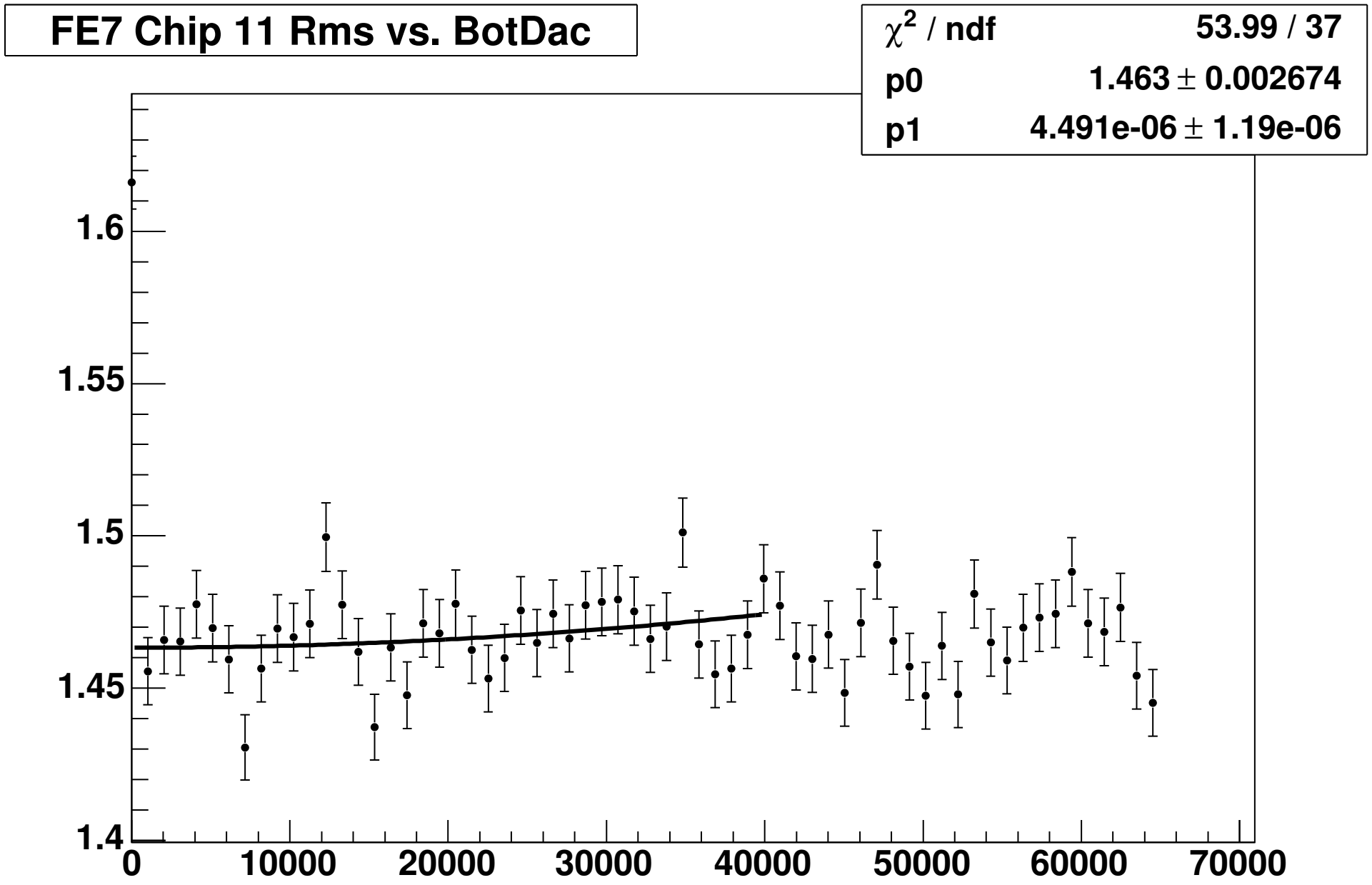

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 4444 / 37
p0 63.9 ± 0.005126
p1 -8.464e-06 ± 2.184e-07
64.2
64.1
64
63.9
63.8
63.7
63.6
63.5
63.4
0
10000
20000
30000
40000
50000
60000
70000

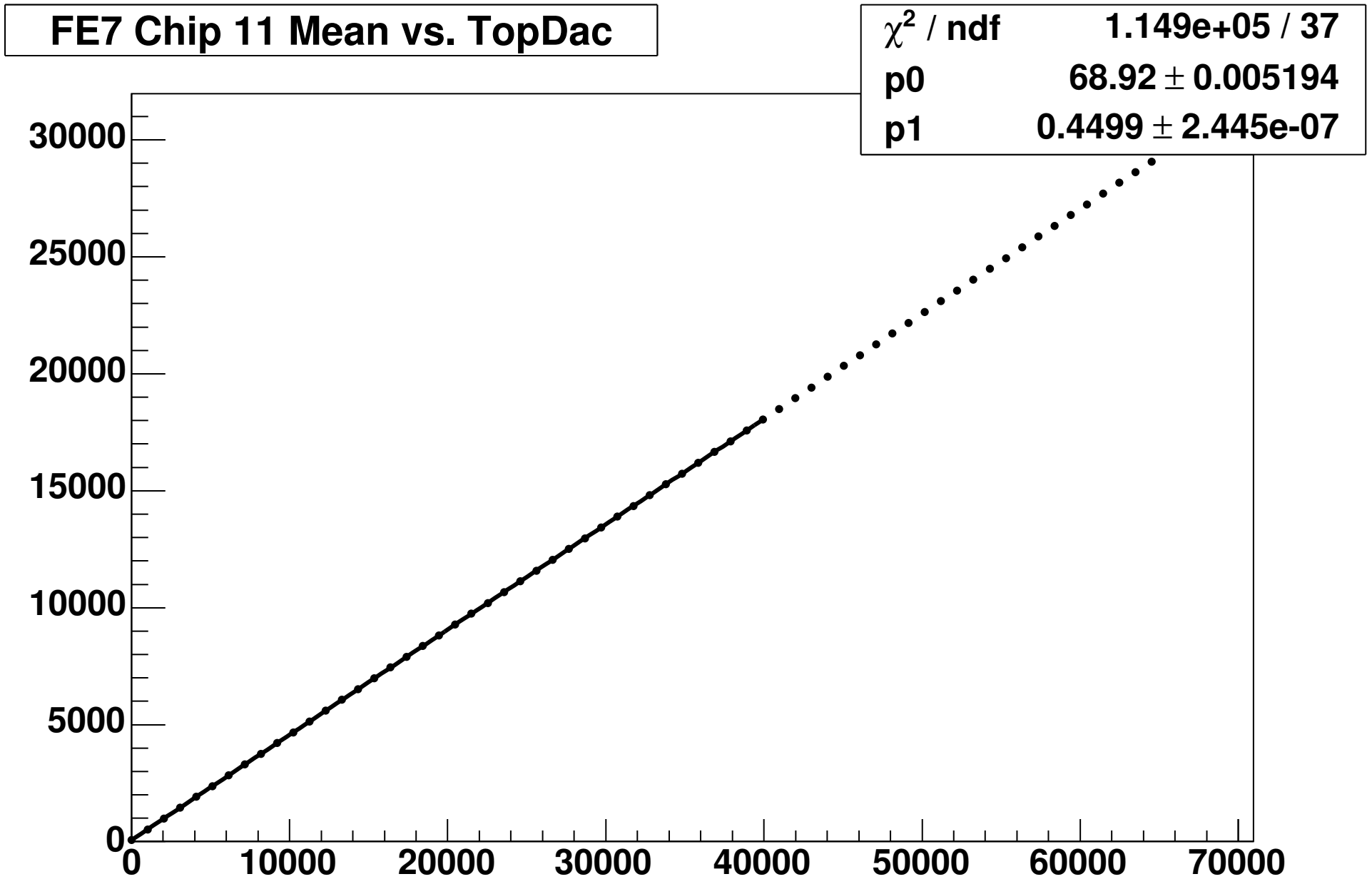

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 38.73 / 37
p0 1.479 ± 0.002698
p1 3.519e-06 ± 1.547e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

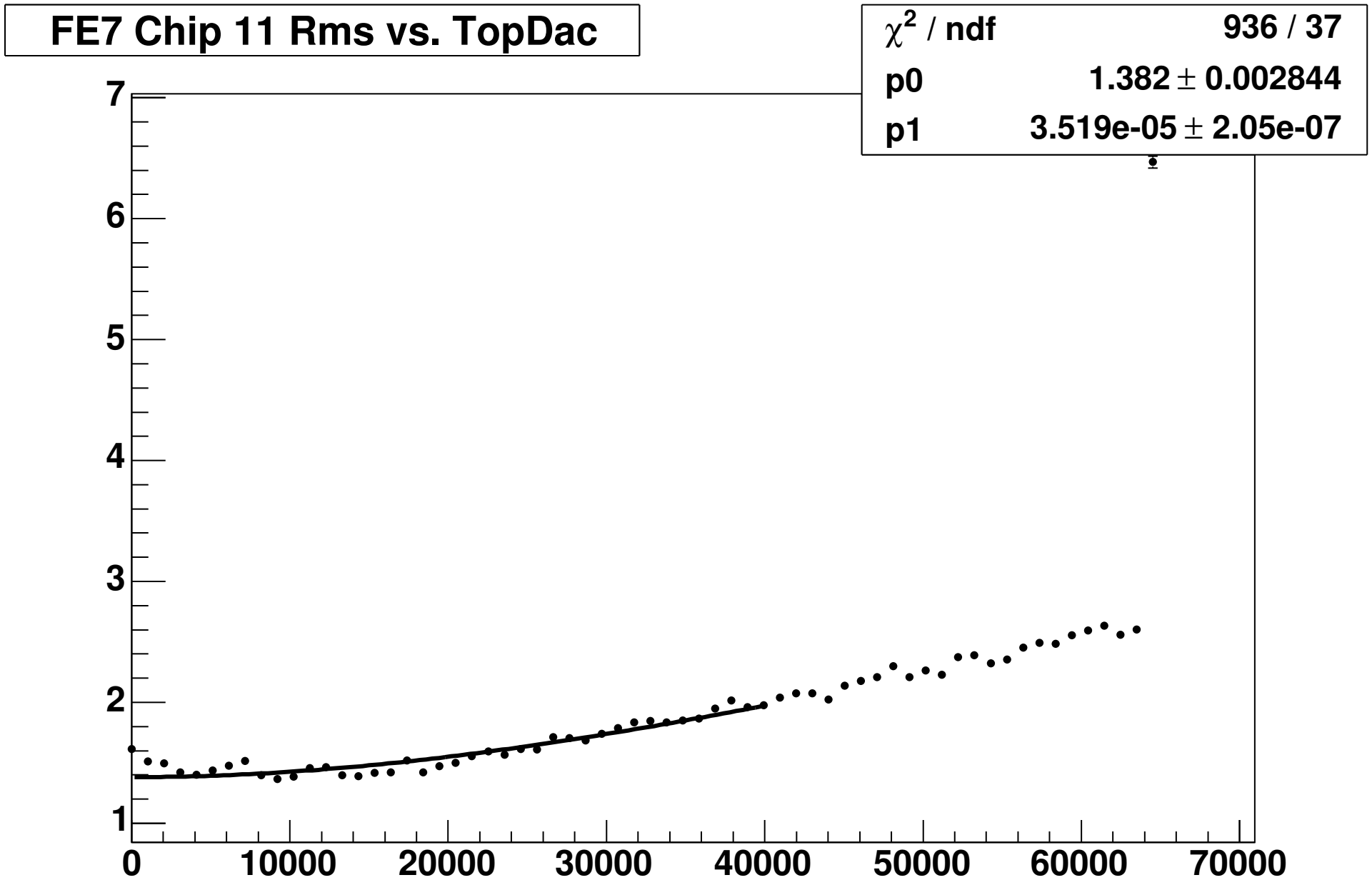

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.092e+05 / 37
p0 65.29 ± 0.005128
p1 0.4499 ± 2.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

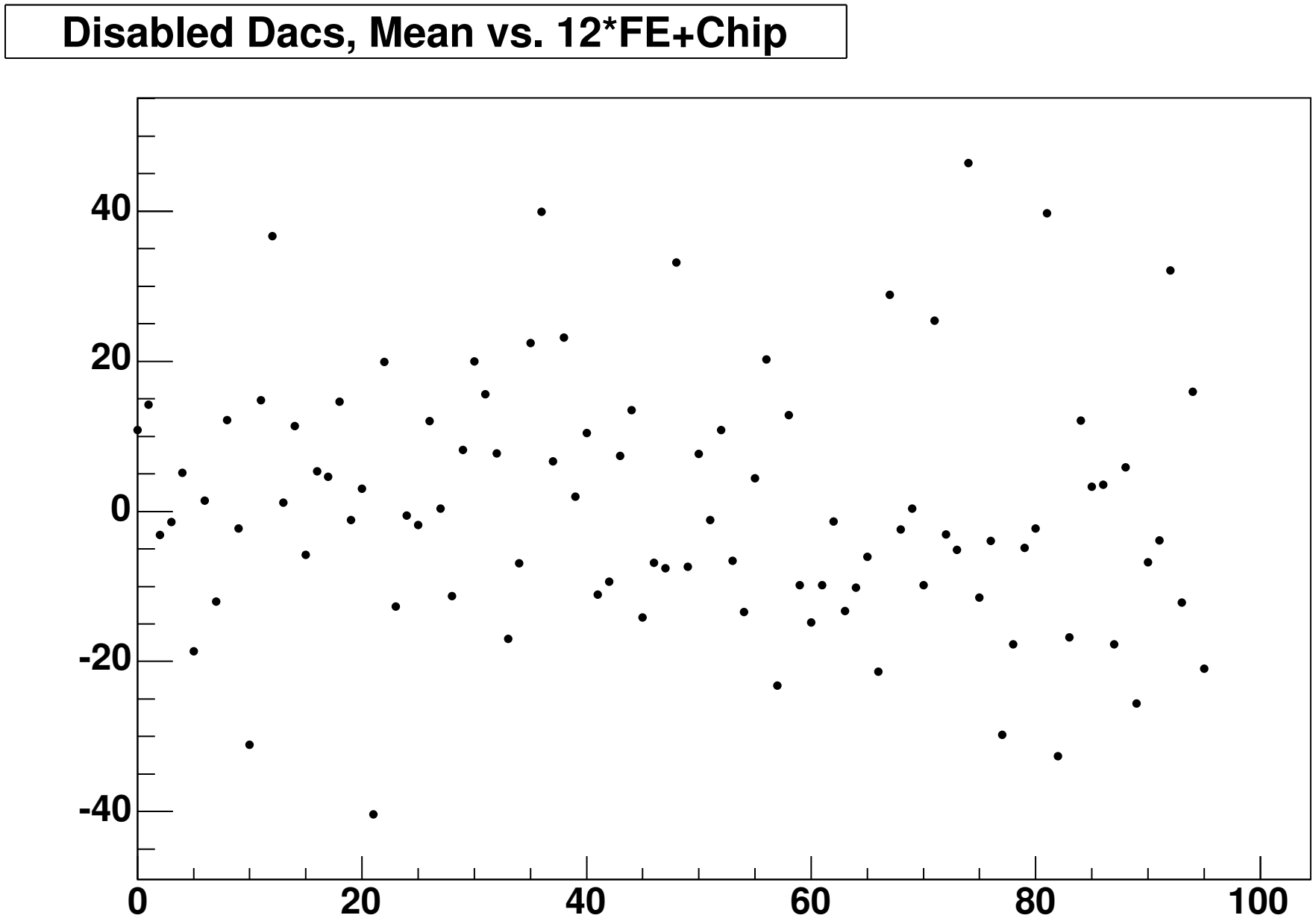

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 817 / 37
p0 1.361 ± 0.00281
p1 3.517e-05 ± 2.009e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

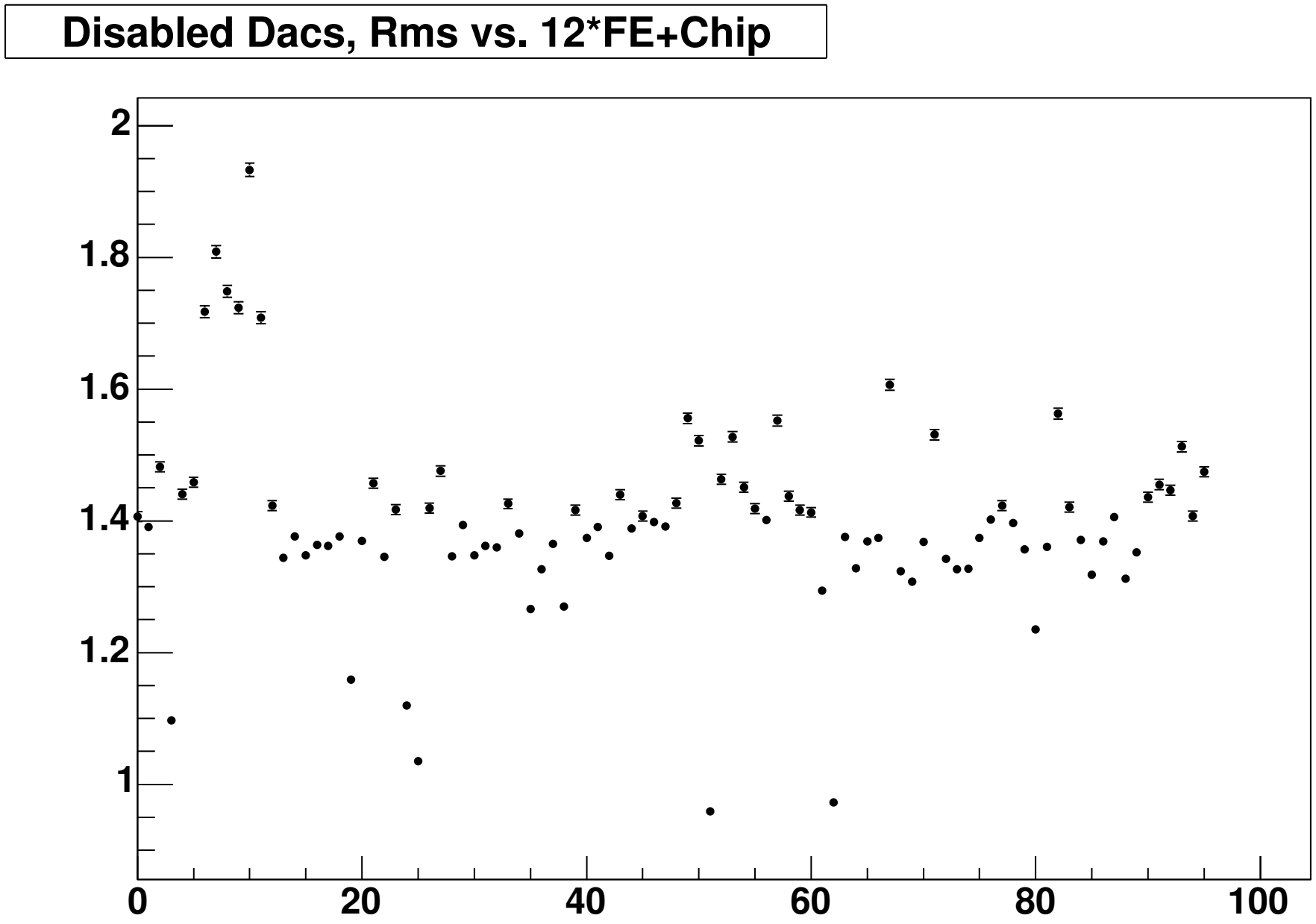

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 4171 / 37
p0 67.2 ± 0.005078
p1 -7.396e-06 ± 2.165e-07
67.5
67.4
67.3
67.2
67.1
67
66.9
66.8
66.7
0
10000
20000
30000
40000
50000
60000
70000

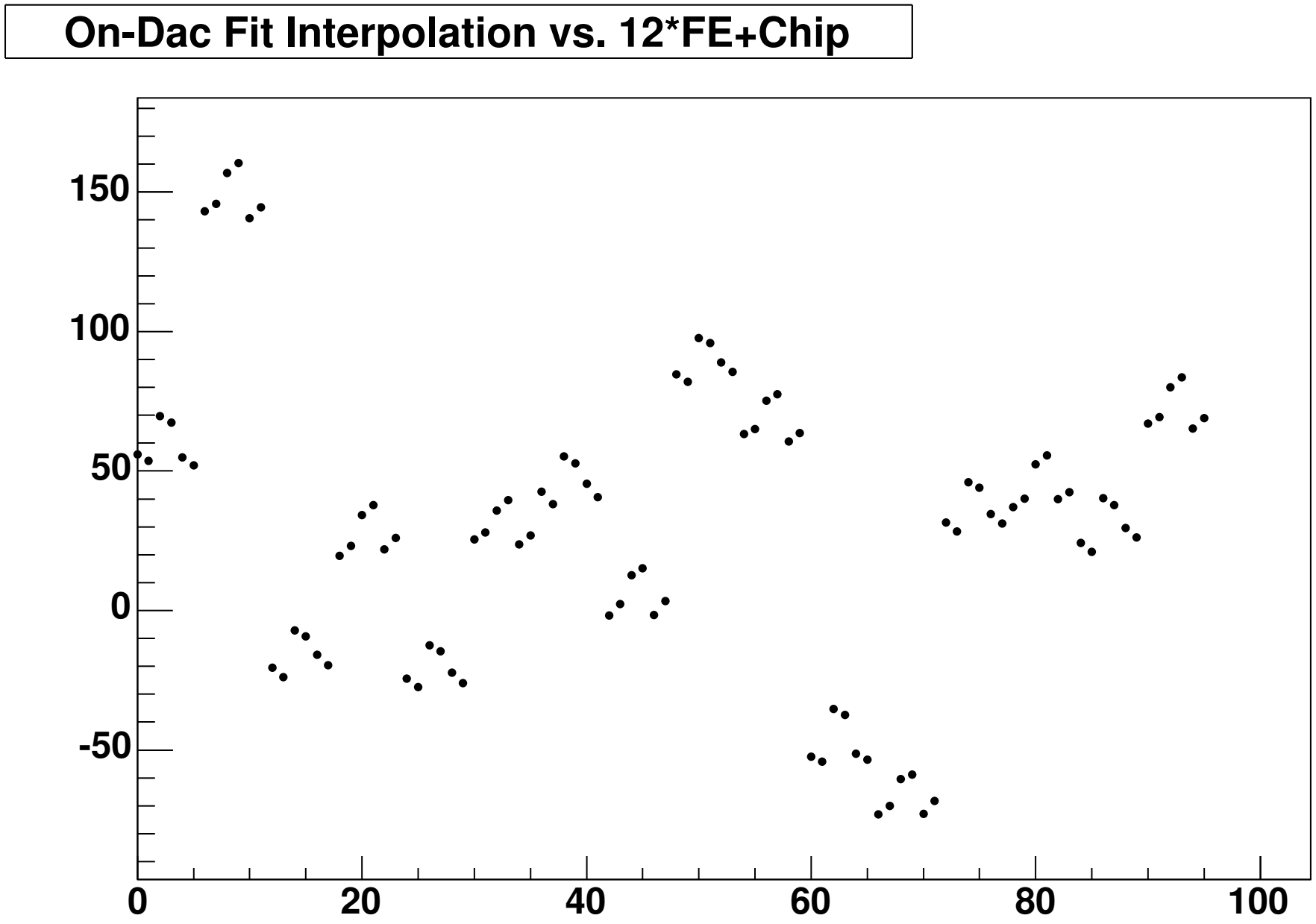

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 53.99 / 37
p0 1.463 ± 0.002674
p1 4.491e-06 ± 1.19e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

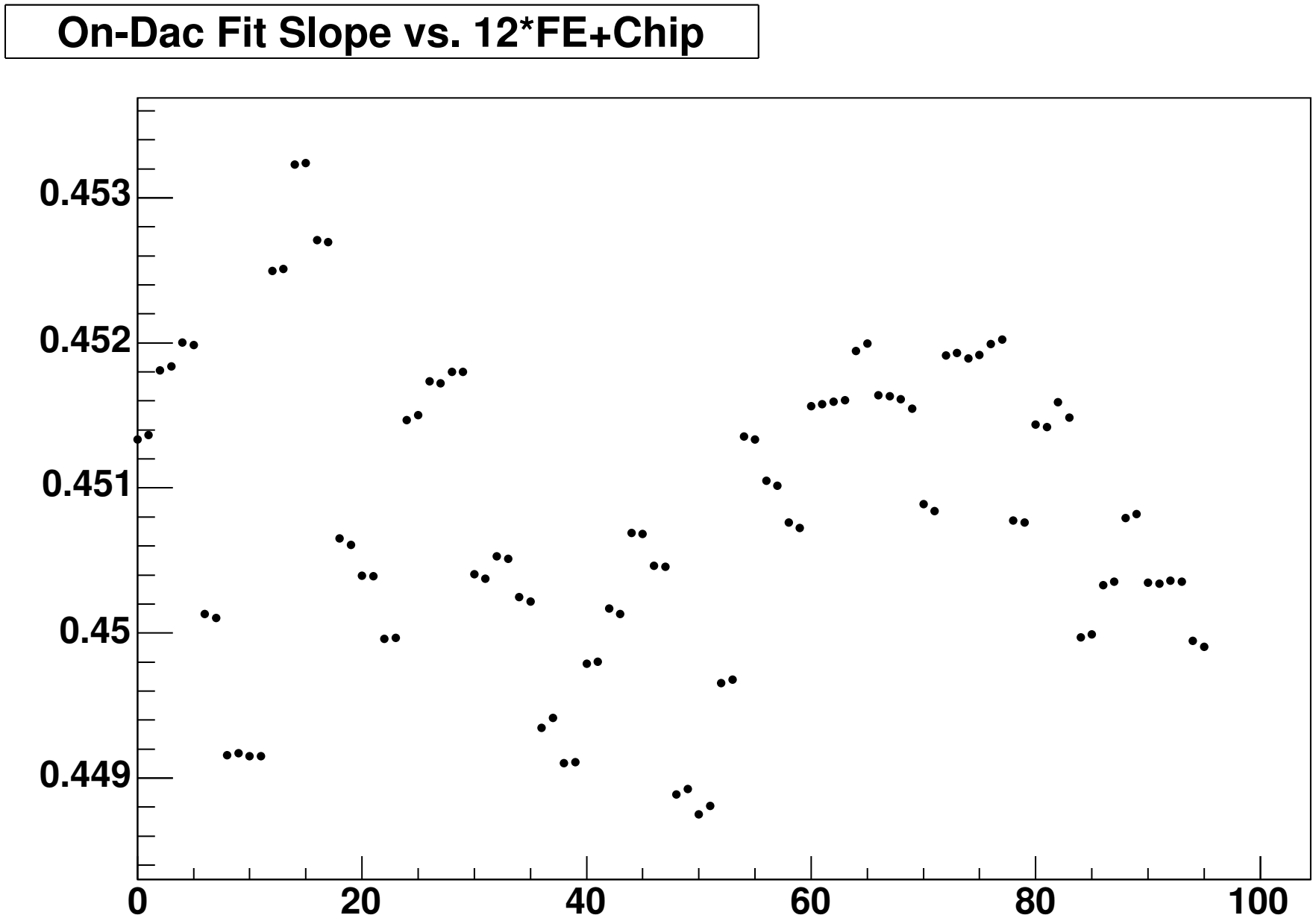

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.149e+05 / 37
p0 68.92 ± 0.005194
p1 0.4499 ± 2.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

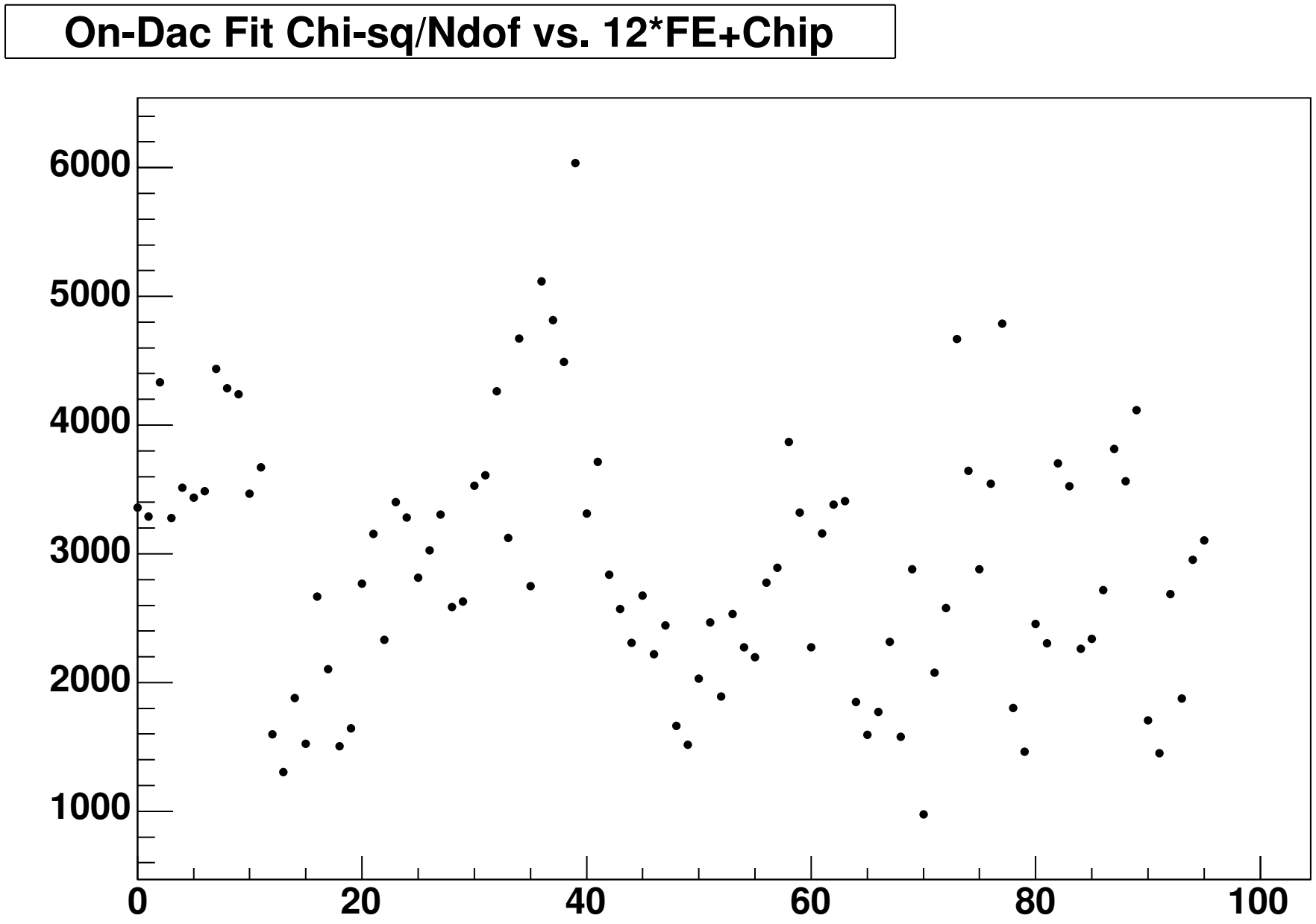

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 936 / 37
p0 1.382 ± 0.002844
p1 3.519e-05 ± 2.05e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

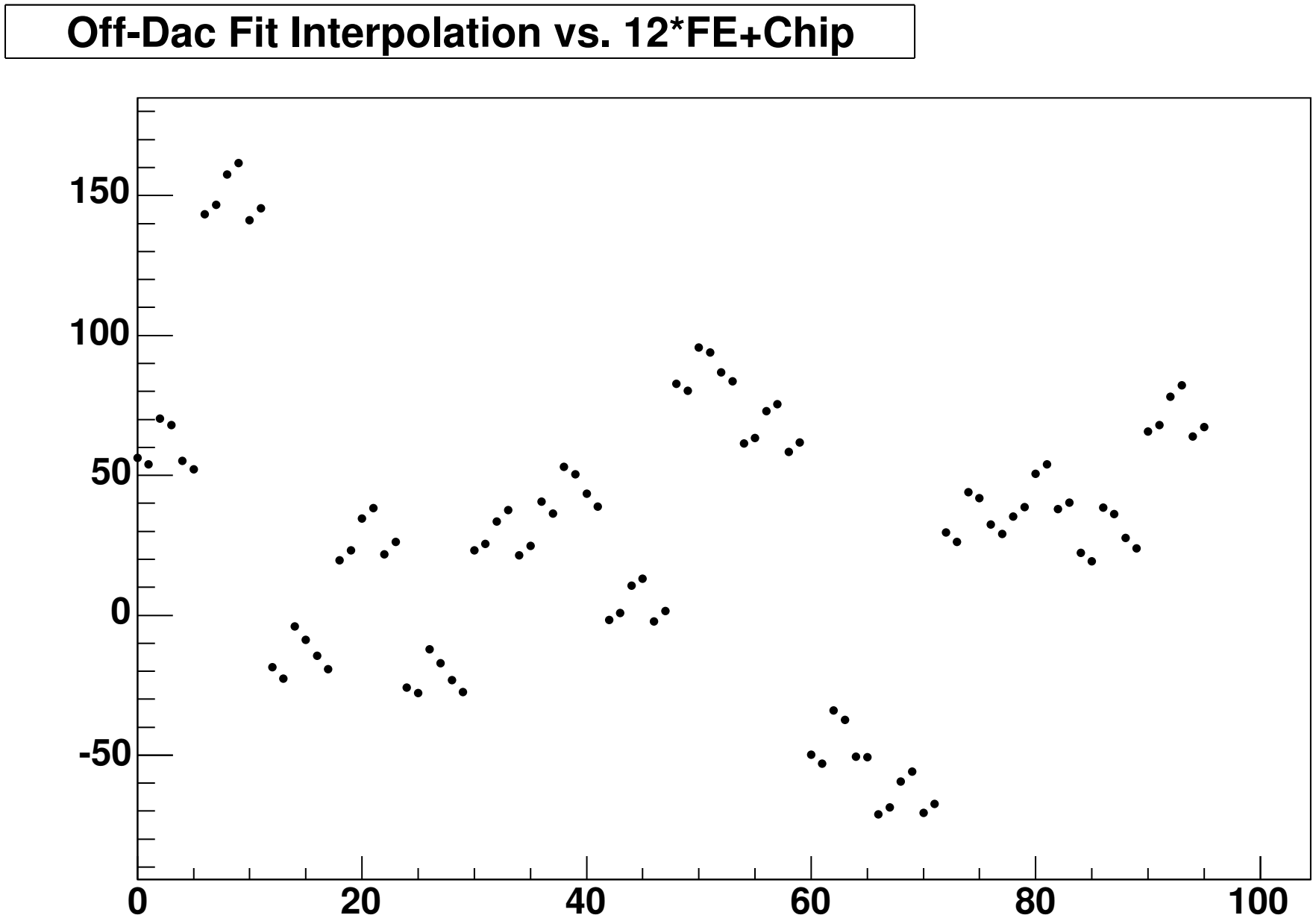

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

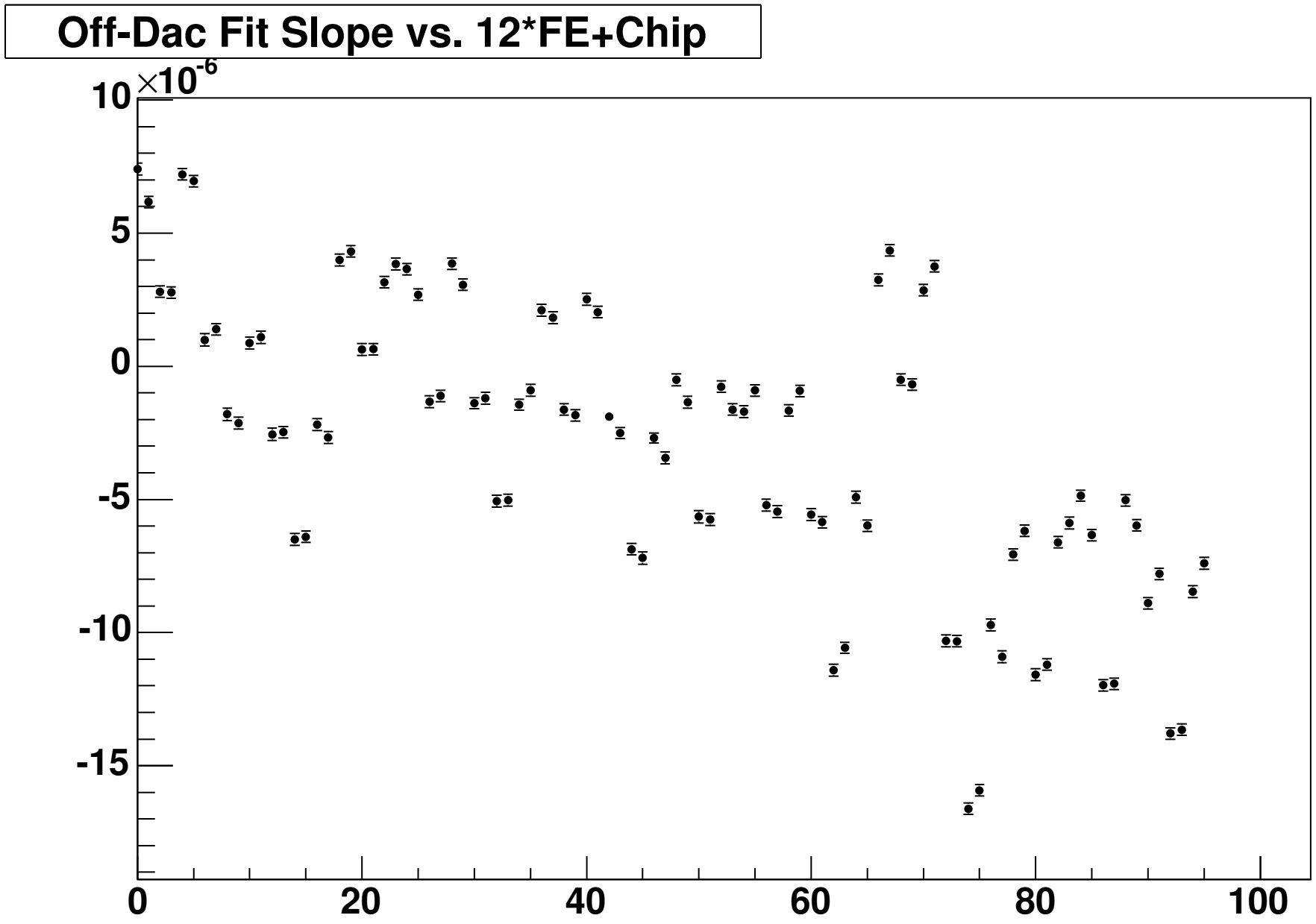

Disabled Dacs, Rms vs. 12*FE+Chip
2
1.8
1.6
1.4
1.2
1
0
20
40
60
80
100

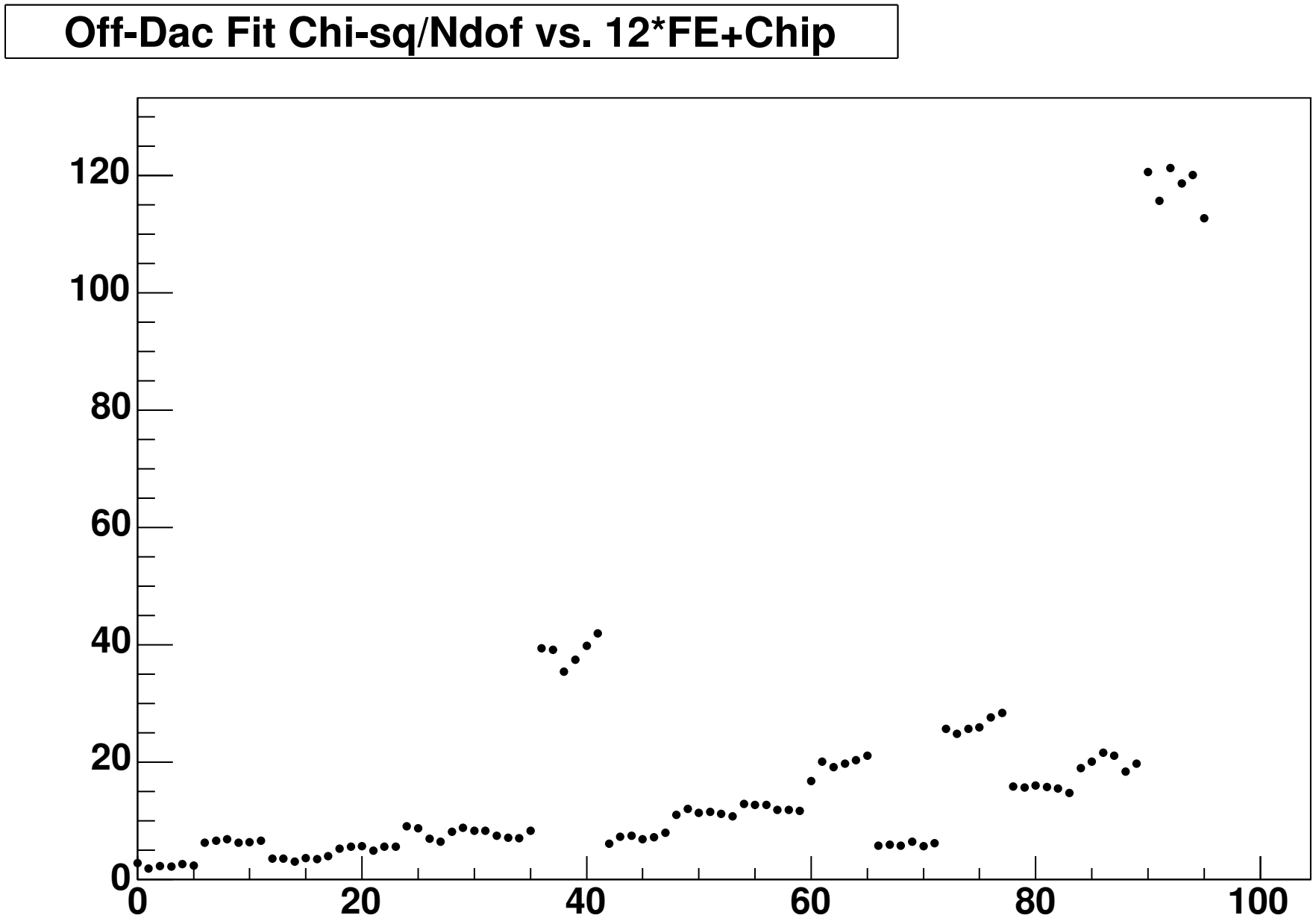

On-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

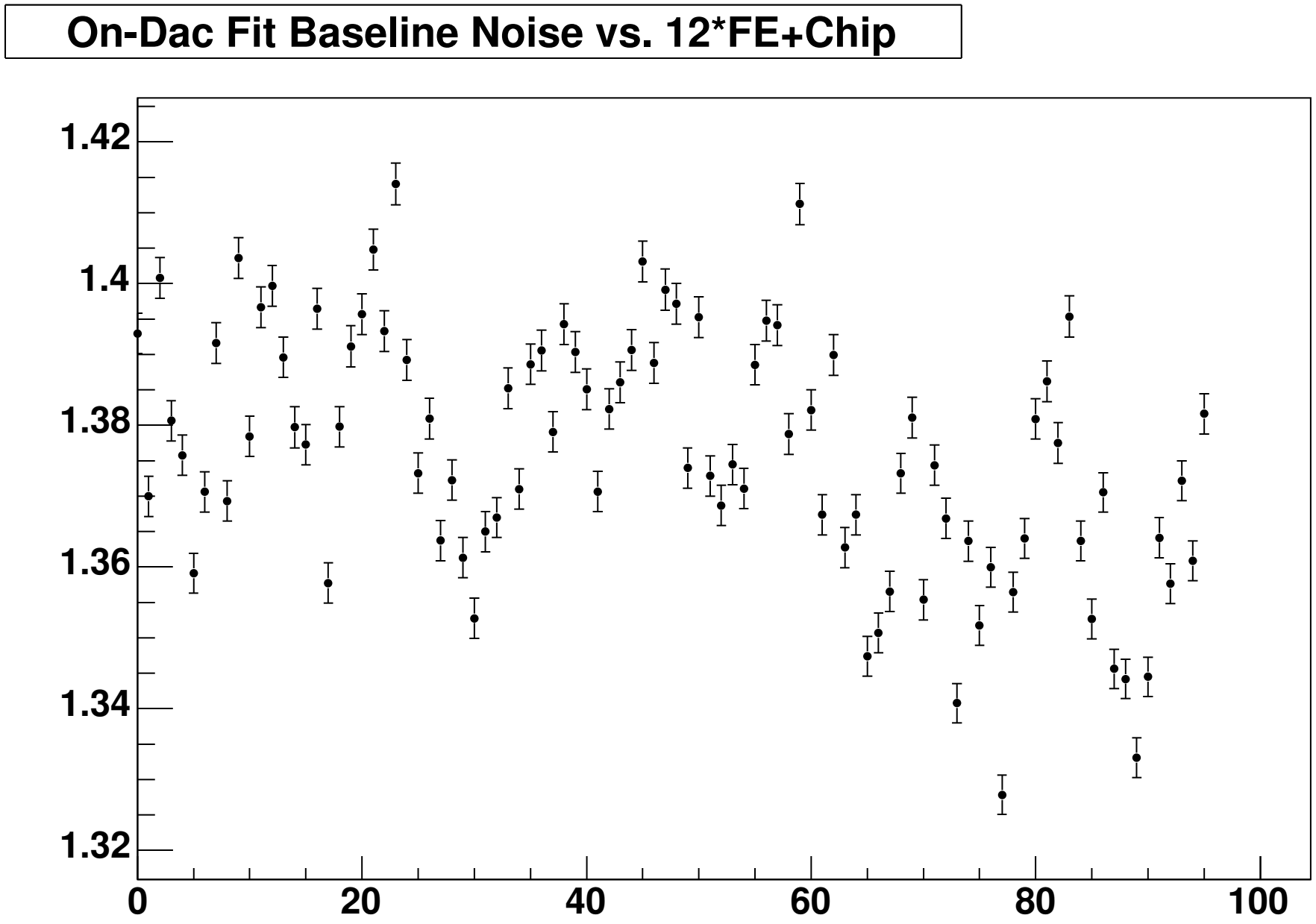

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.452
0.451
0.45
0.449
0
20
40
60
80
100

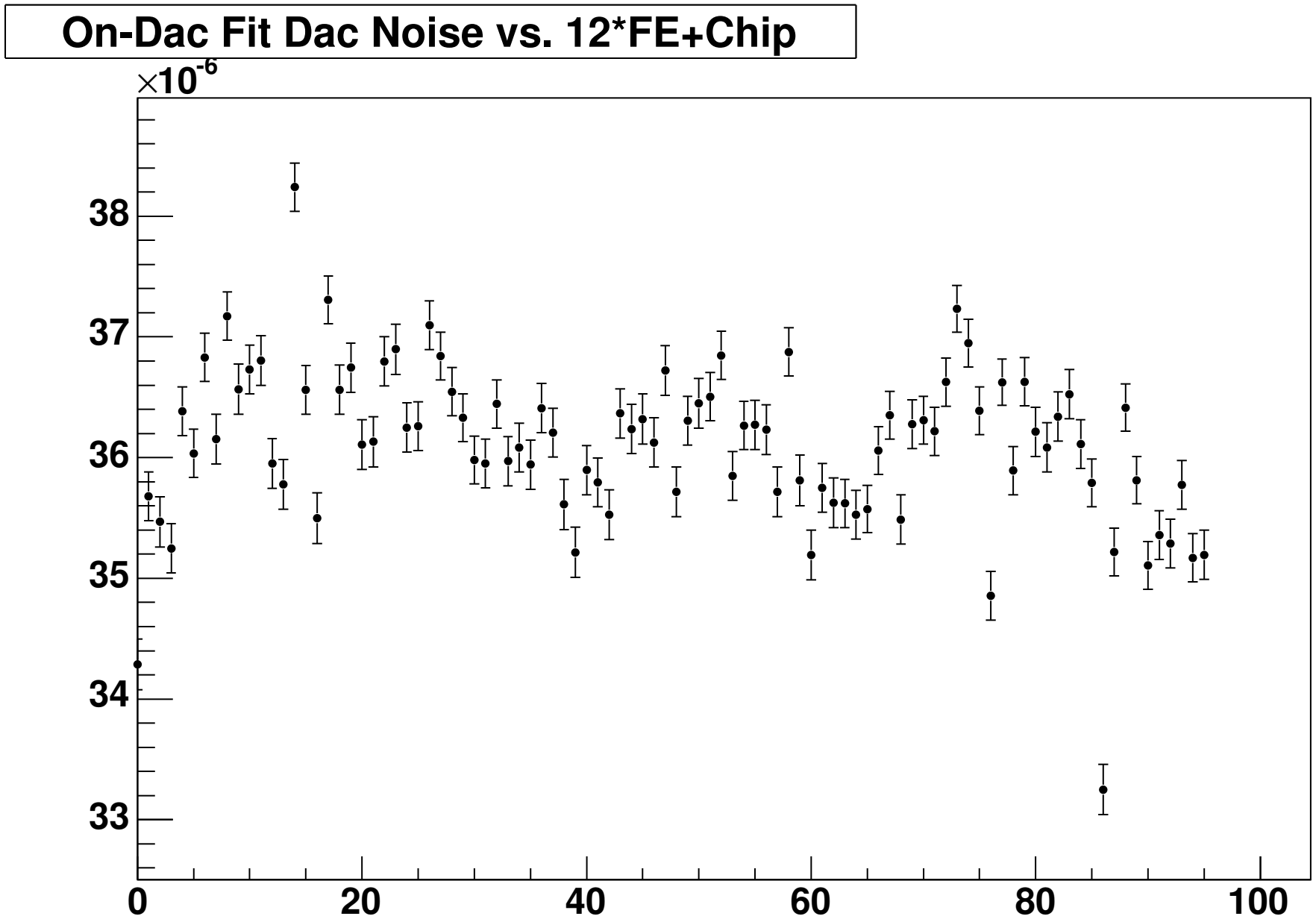

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

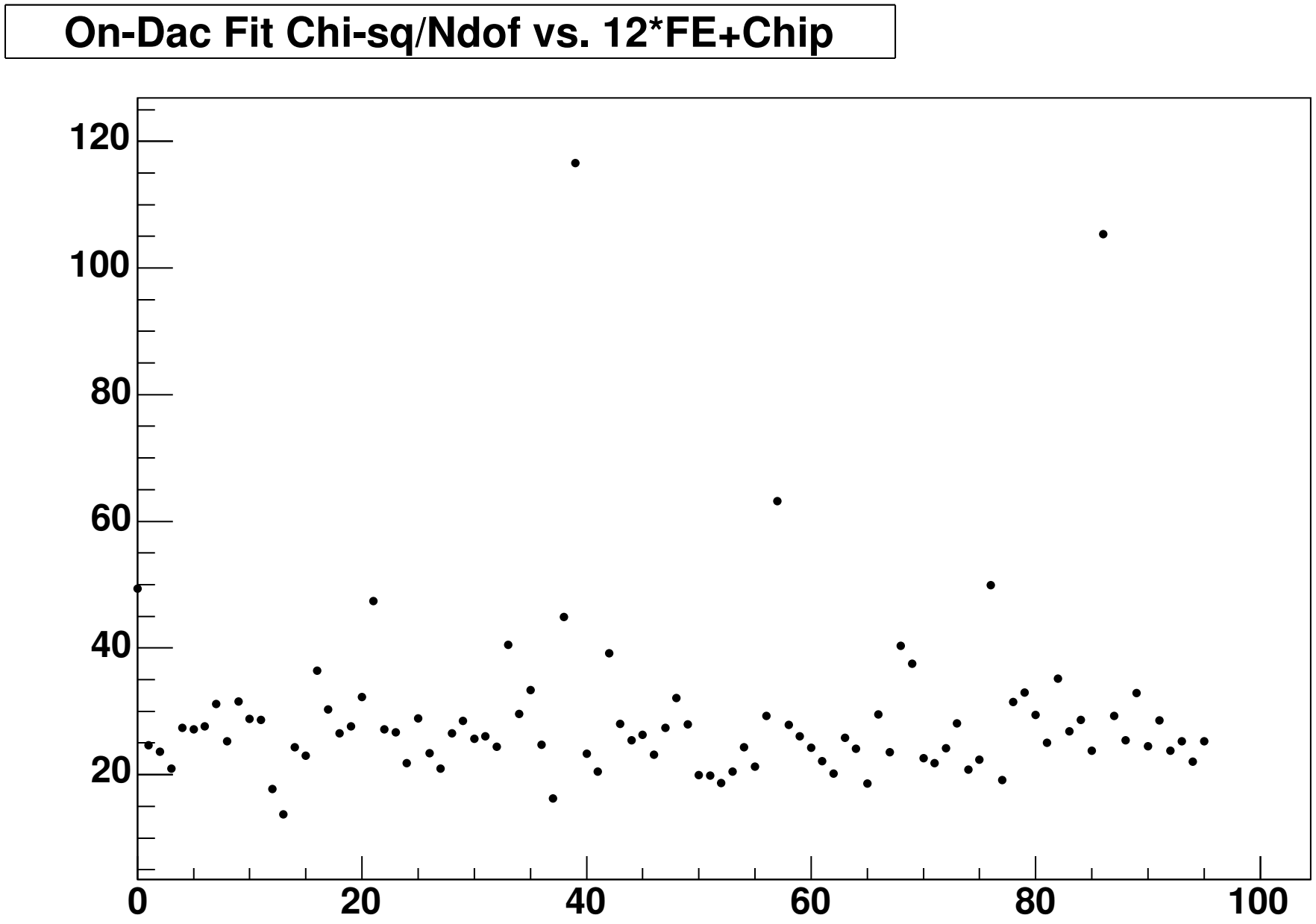

Off-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

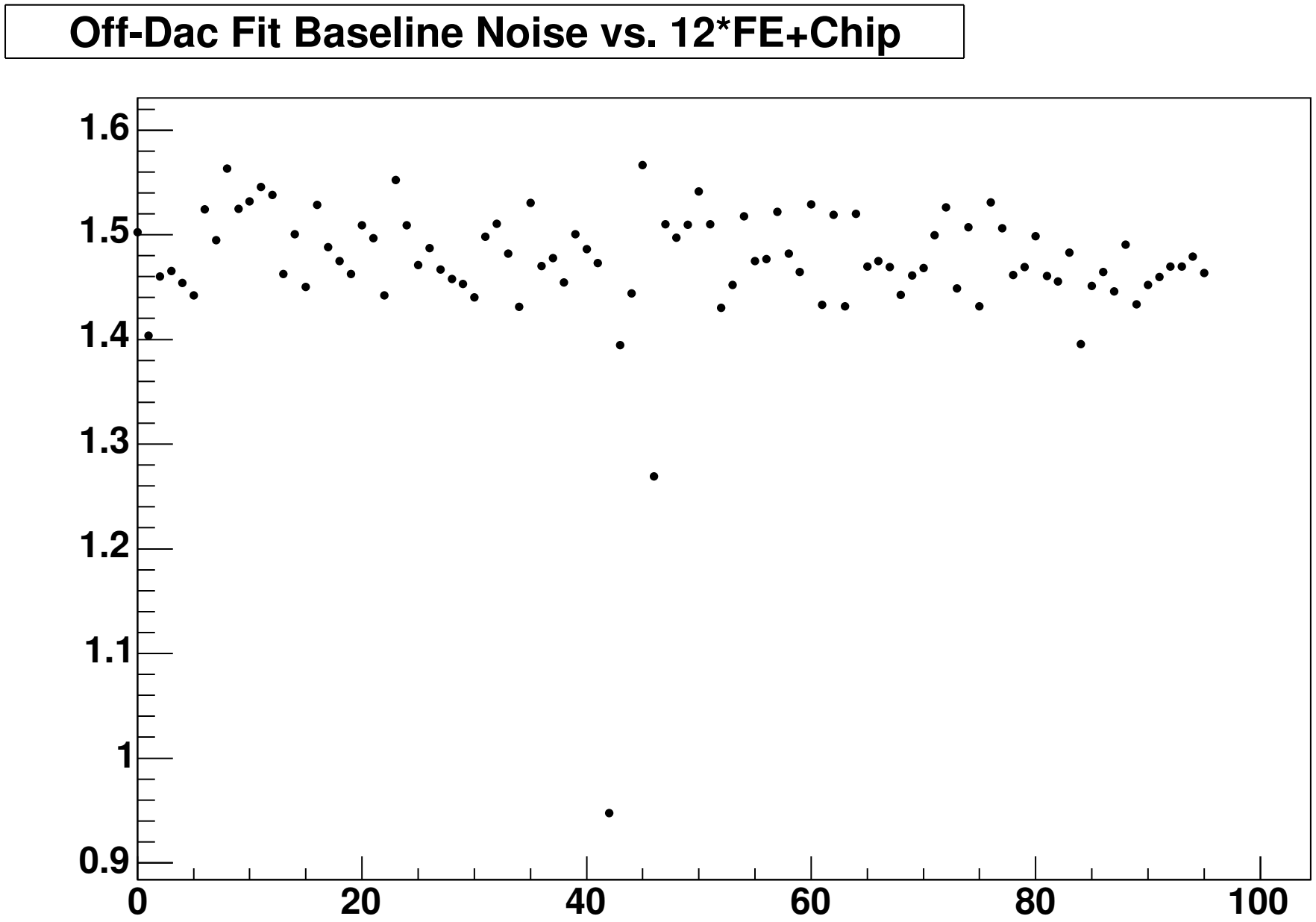

Off-Dac Fit Slope vs. 12*FE+Chip
×10-6
10
5
0
-5
-10
-15
0
20
40
60
80
100

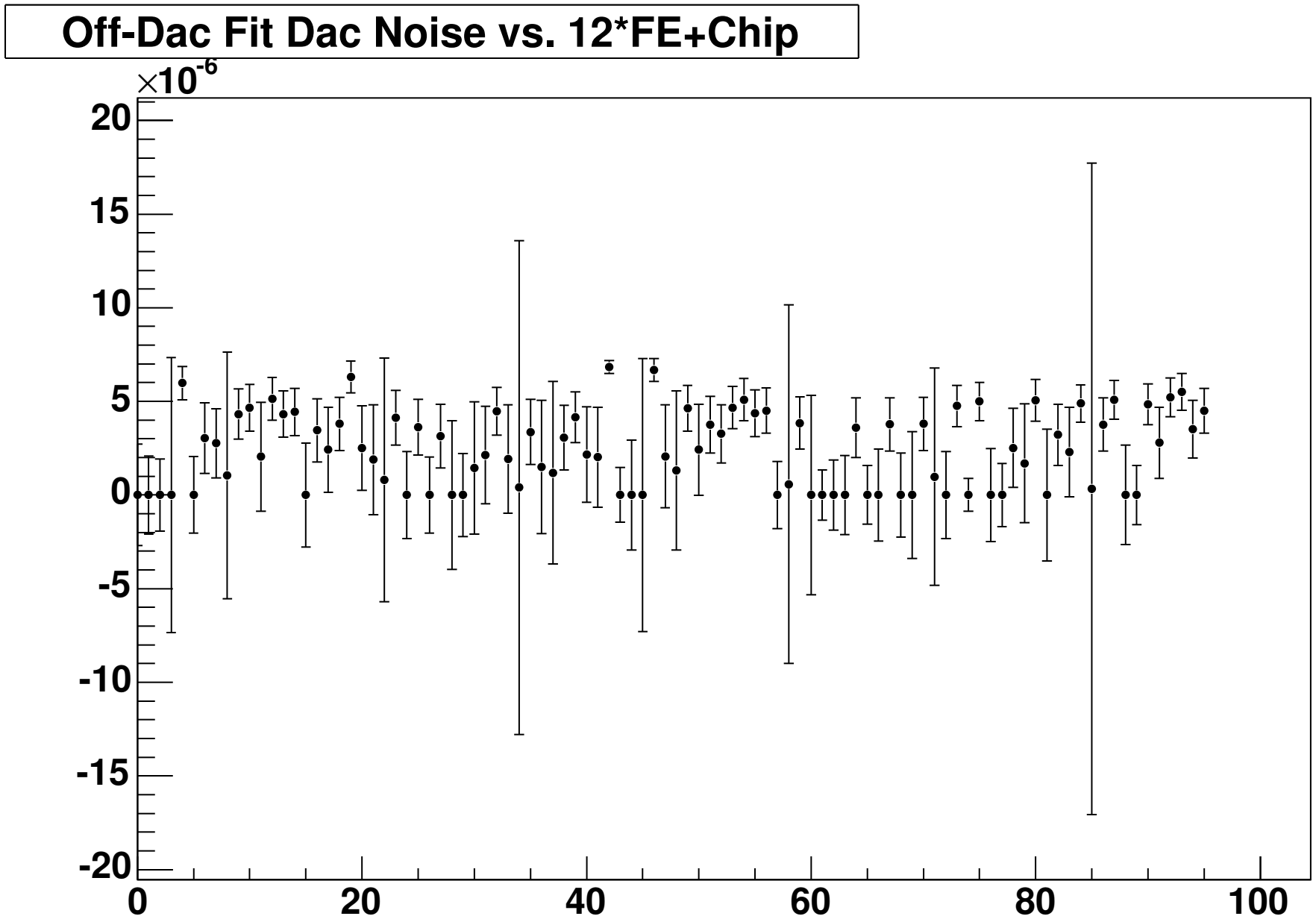

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
120
100
80
60
40
20
0
0
20
40
60
80
100

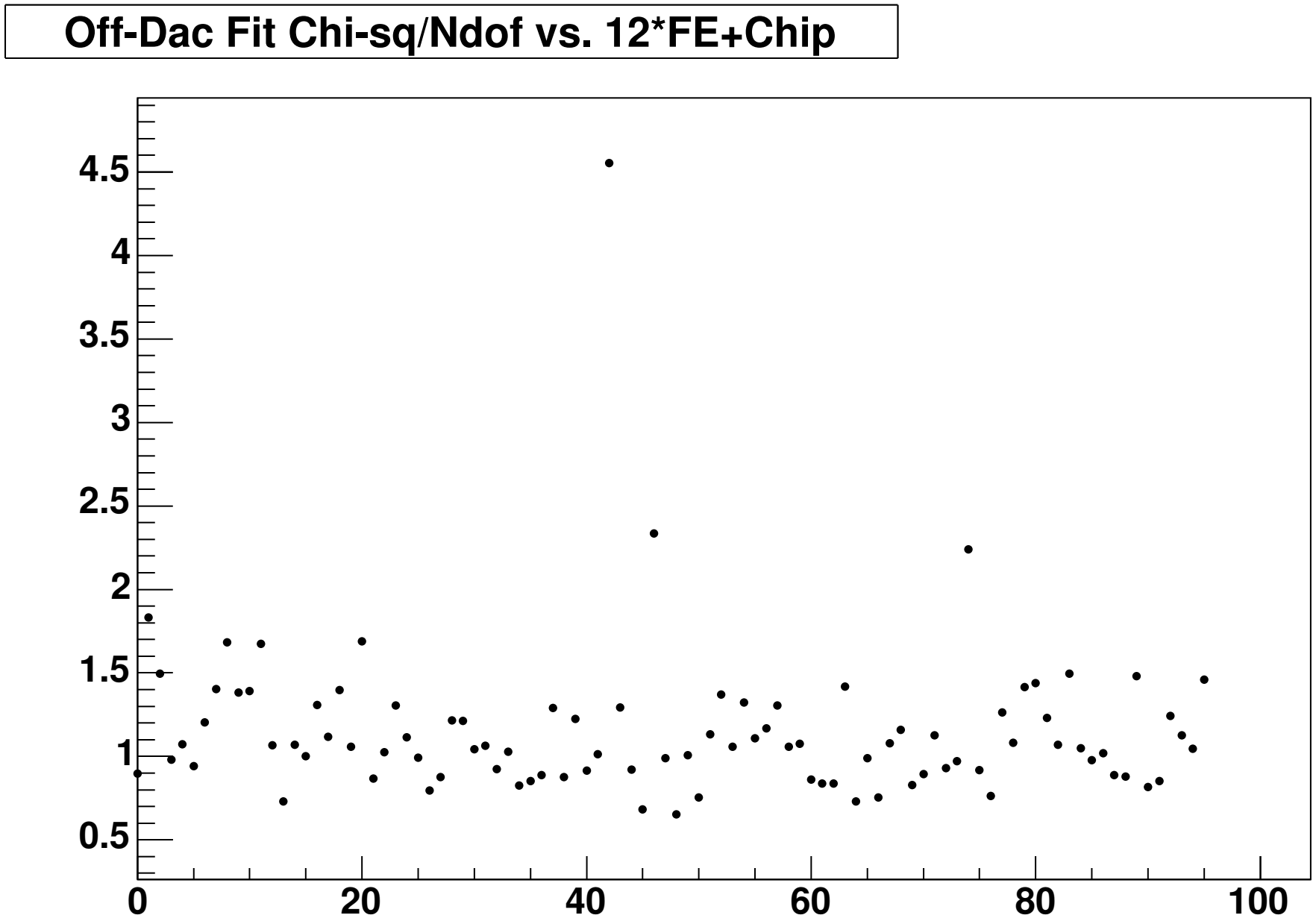

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
0
20
40
60
80
100

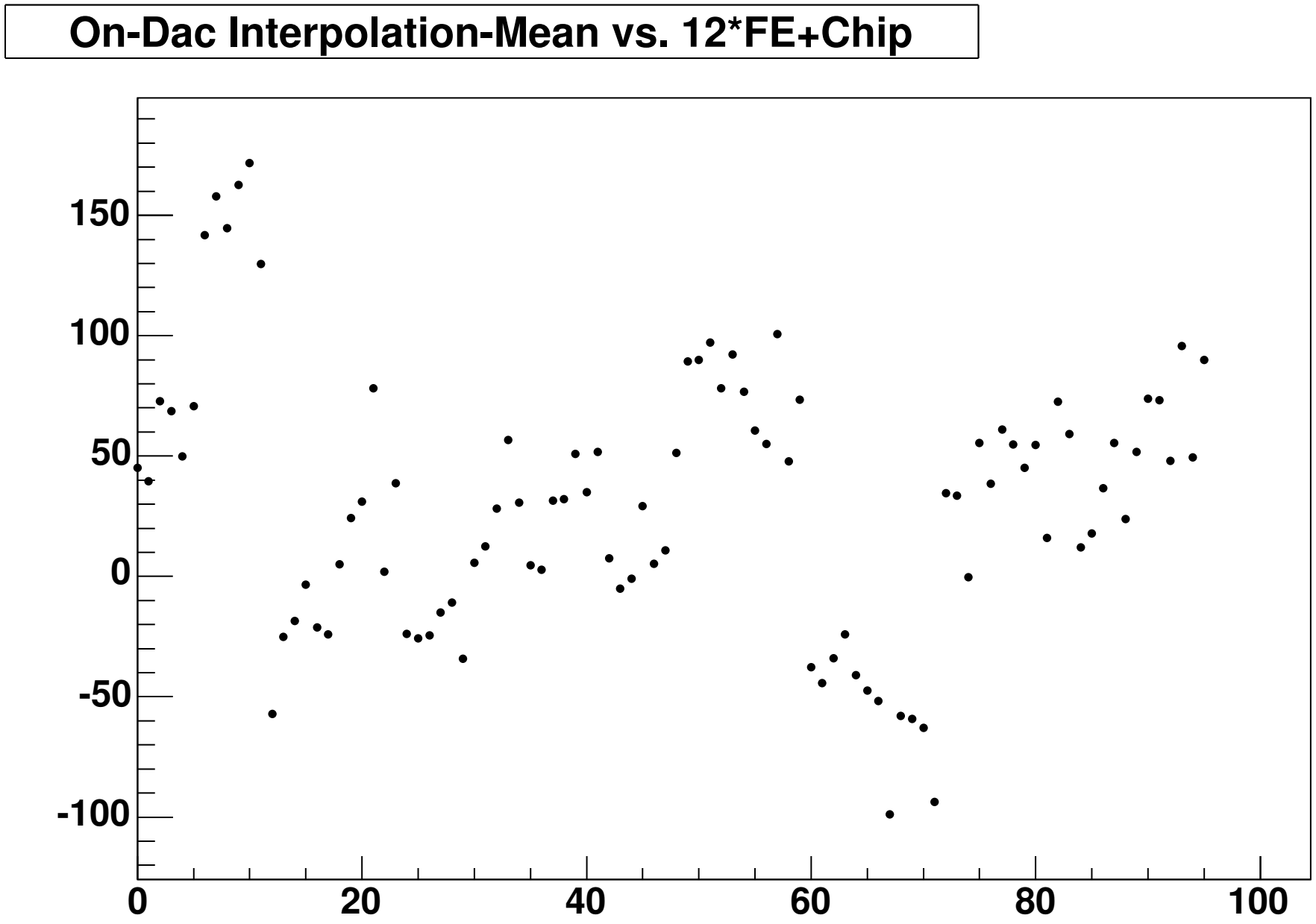

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
38
37
36
35
34
33
0
20
40
60
80
100

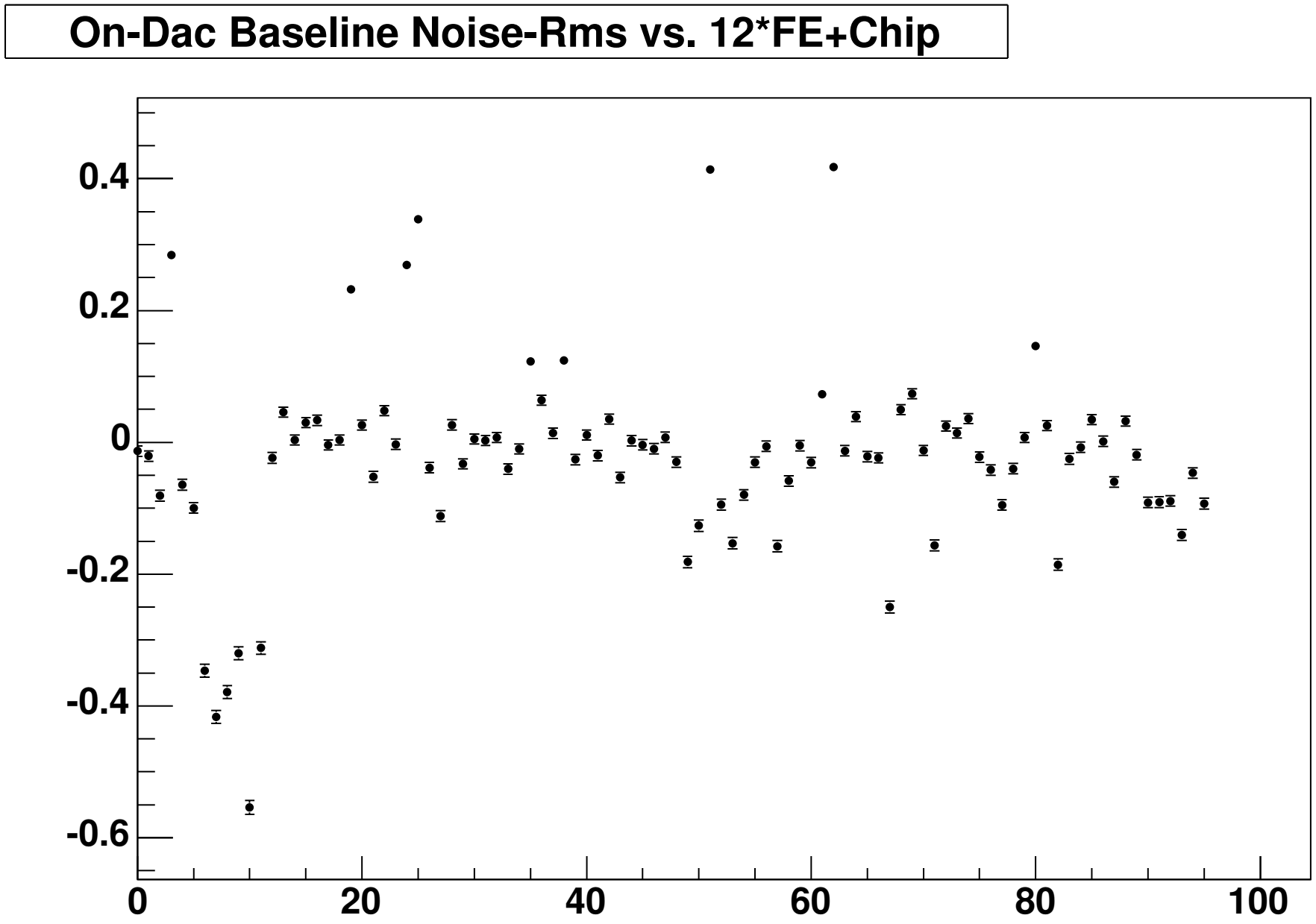

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
120
100
80
60
40
20
0
20
40
60
80
100

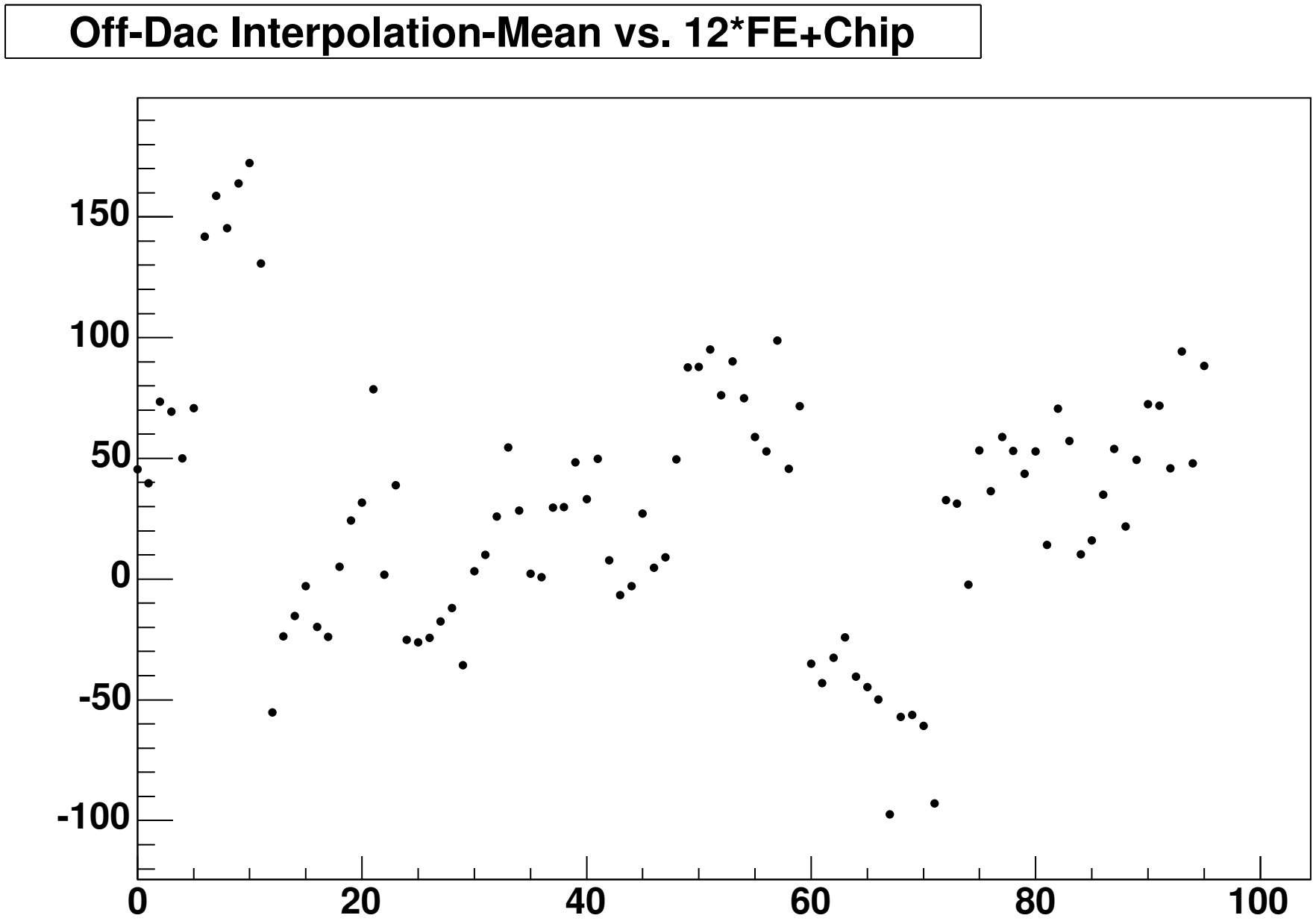

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
20
40
60
80
100

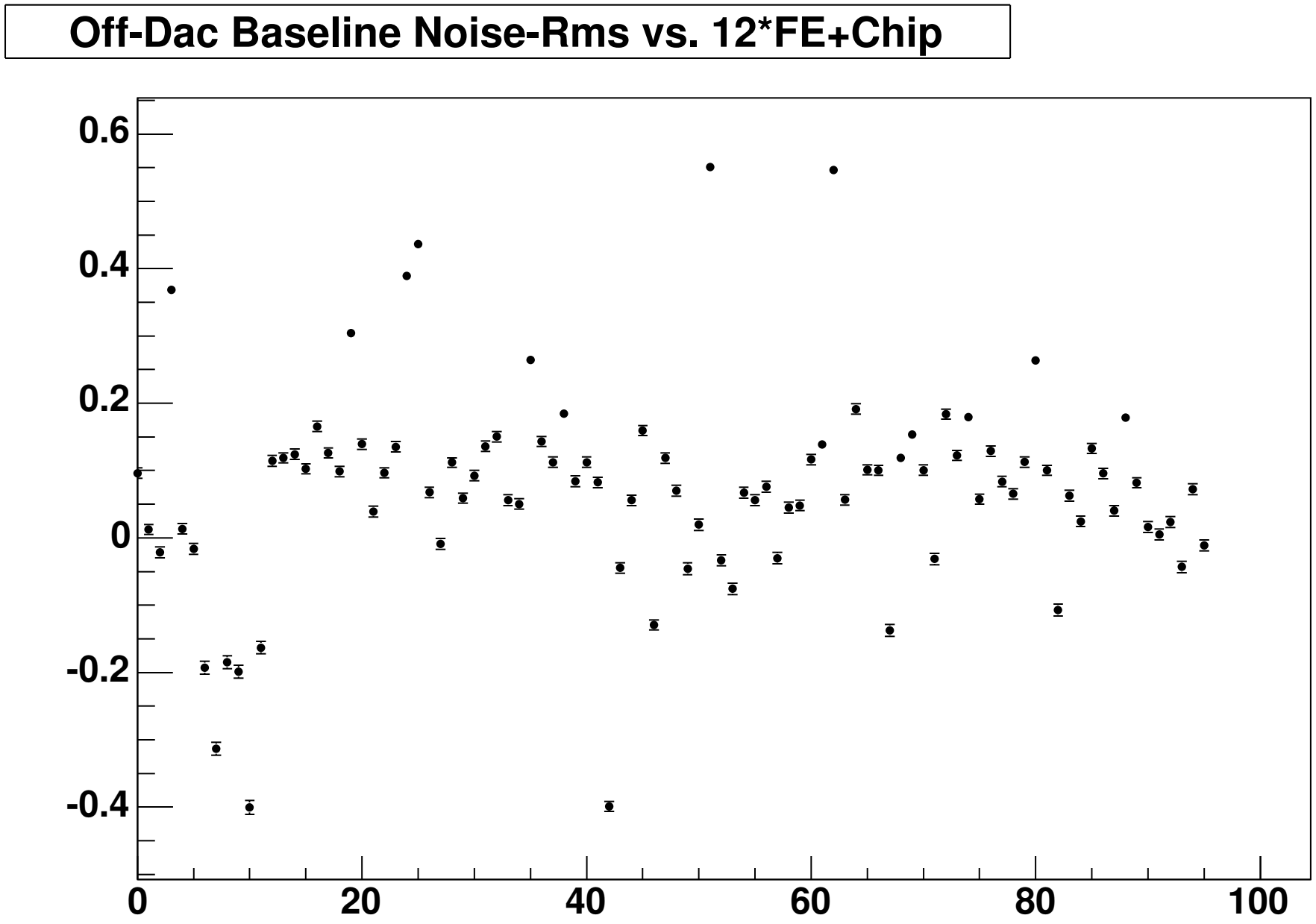

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
20
15
10
5
0
-5
-10
-15
-20
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
4.5
4
3.5
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
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
20
40
60
80
100