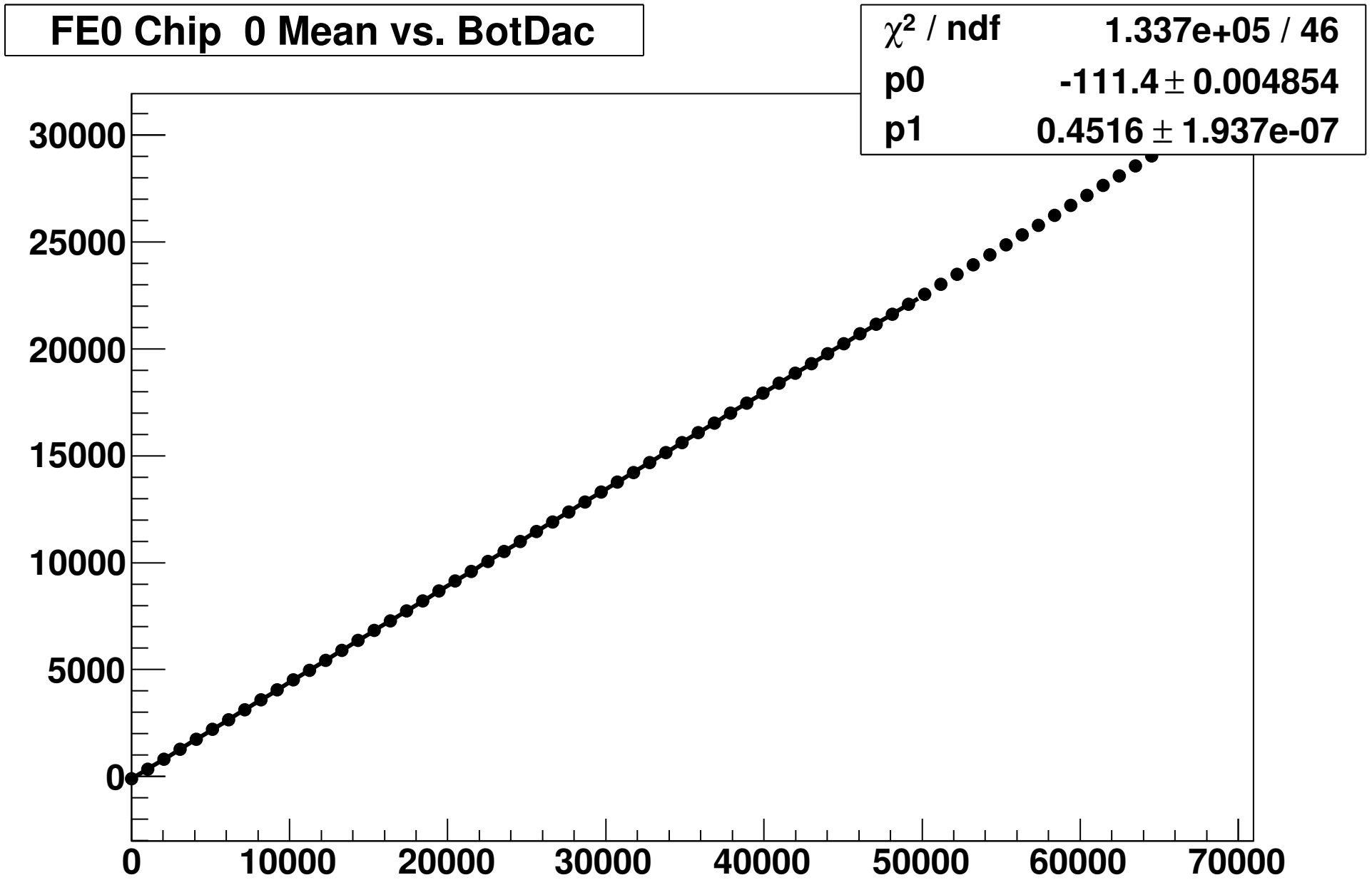
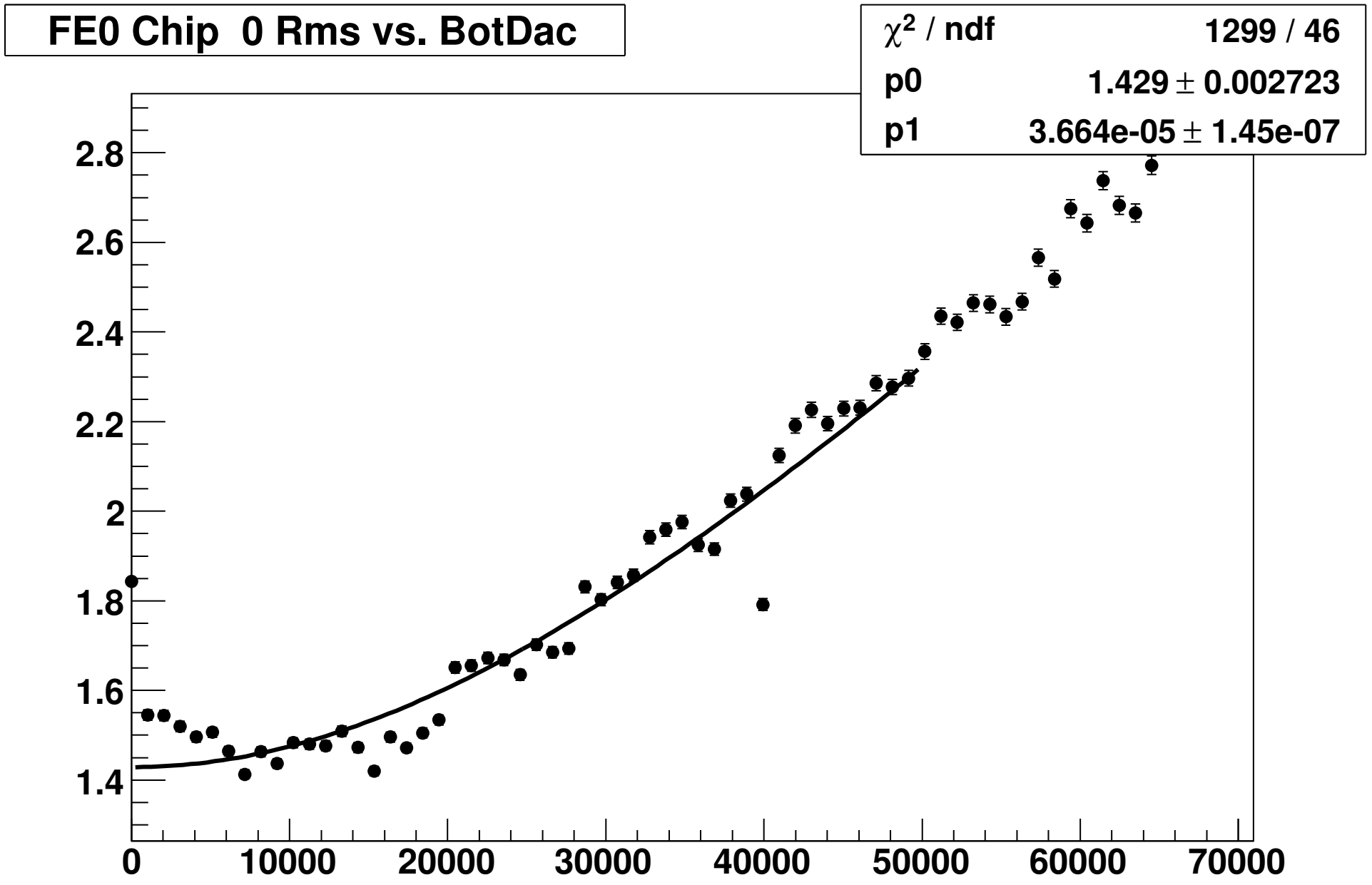

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.337e+05 / 46
p0 -111.4 ± 0.004854
p1 0.4516 ± 1.937e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1299 / 46
p0 1.429 ± 0.002723
p1 3.664e-05 ± 1.45e-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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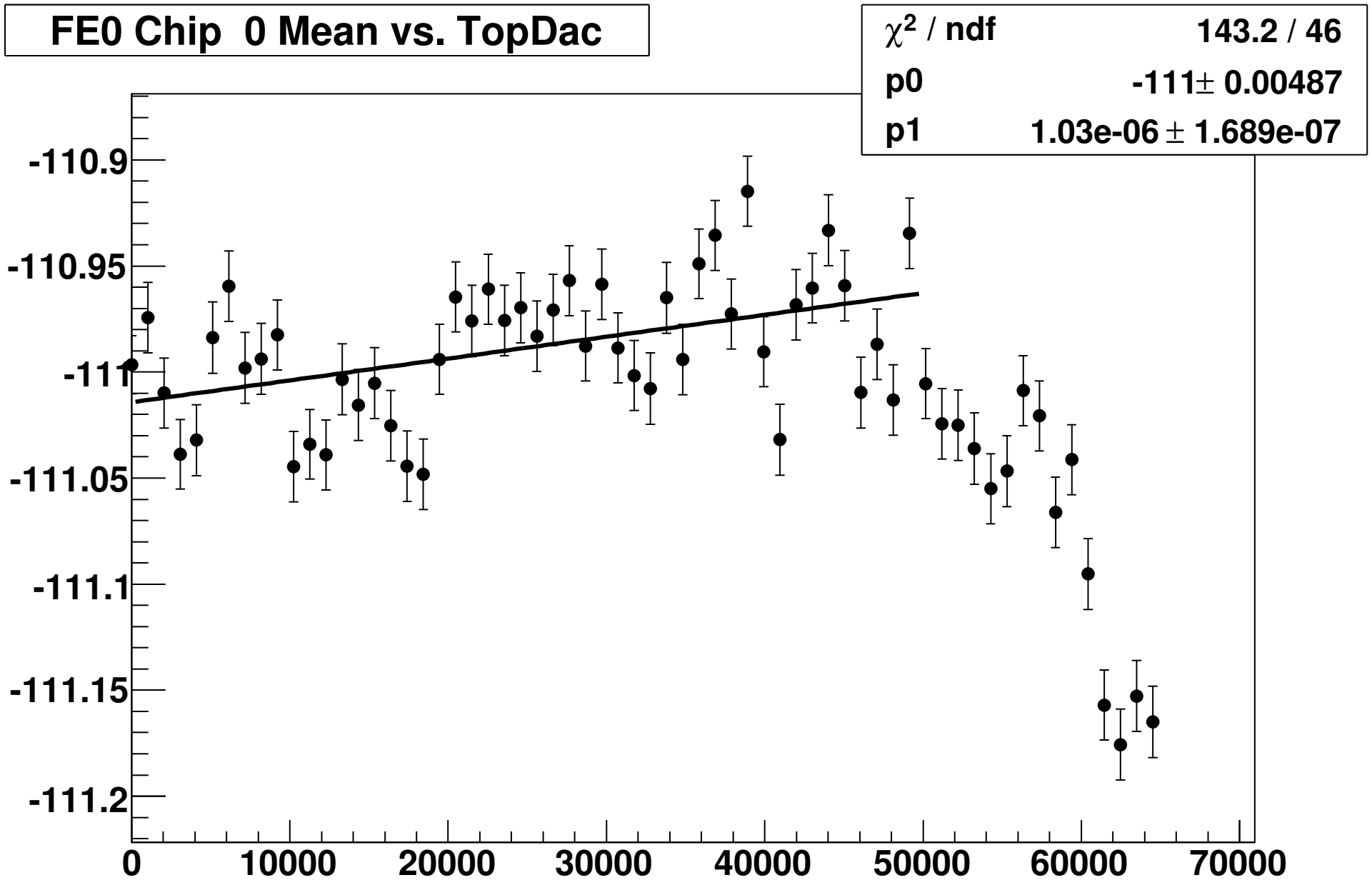
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 143.2 / 46
p0 -111± 0.00487
p1 1.03e-06 ± 1.689e-07
-110.9
-110.95
-111
-111.05
-111.1
-111.15
-111.2
0
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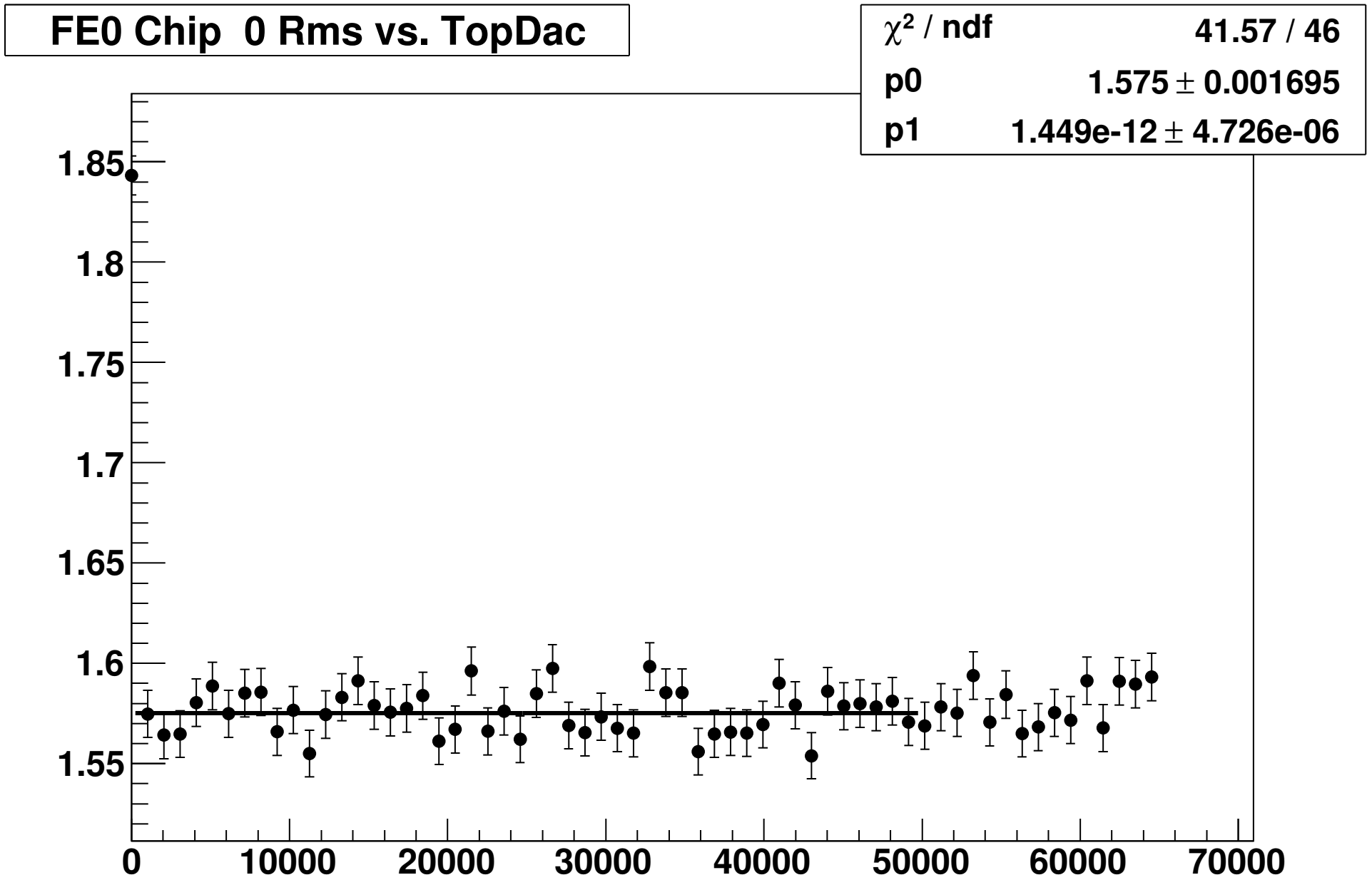
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 41.57 / 46
p0 1.575 ± 0.001695
p1 1.449e-12 ± 4.726e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
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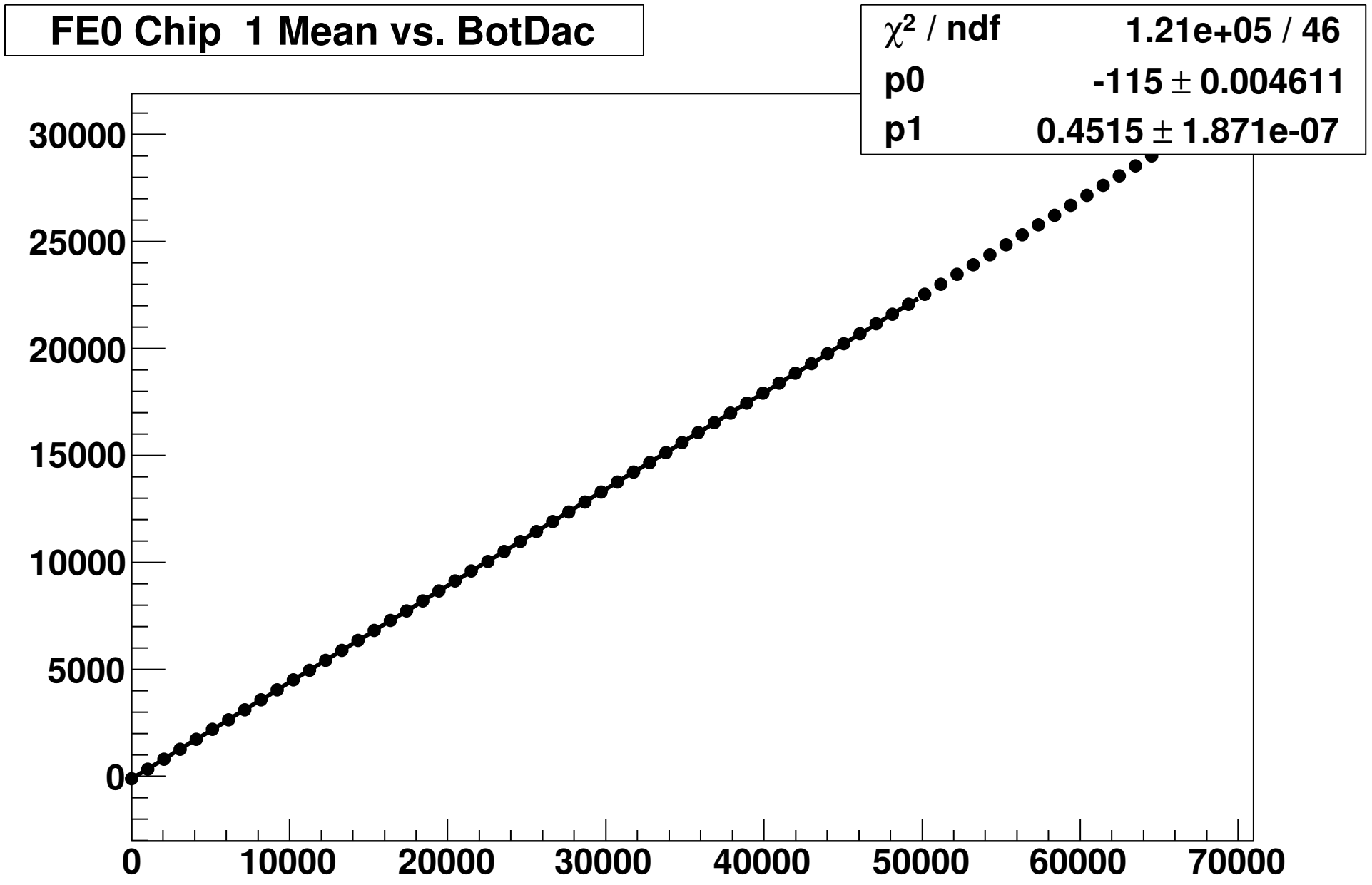
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.21e+05 / 46
p0 -115 ± 0.004611
p1 0.4515 ± 1.871e-07
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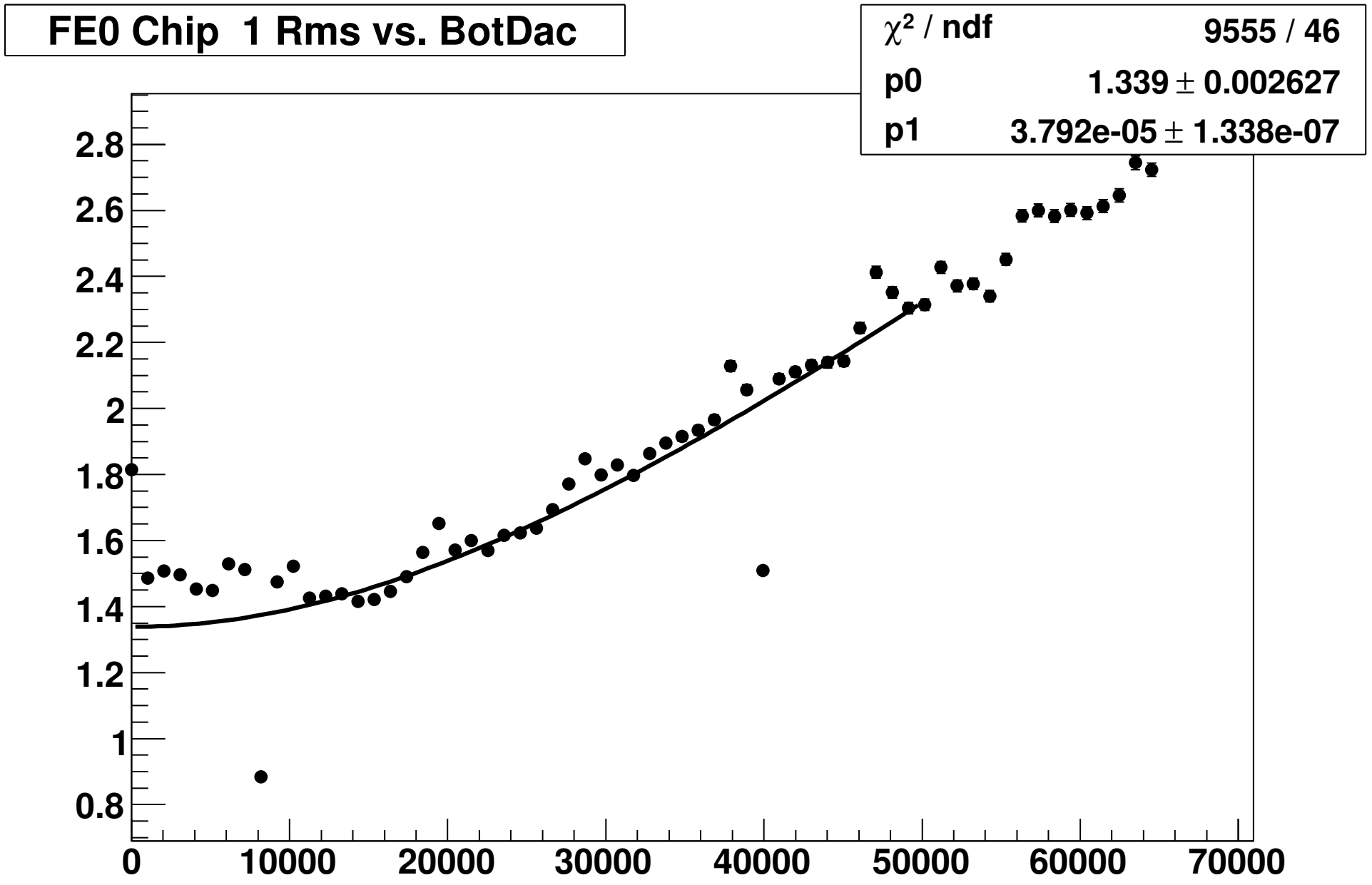
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 9555 / 46
p0 1.339 ± 0.002627
p1 3.792e-05 ± 1.338e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
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20000
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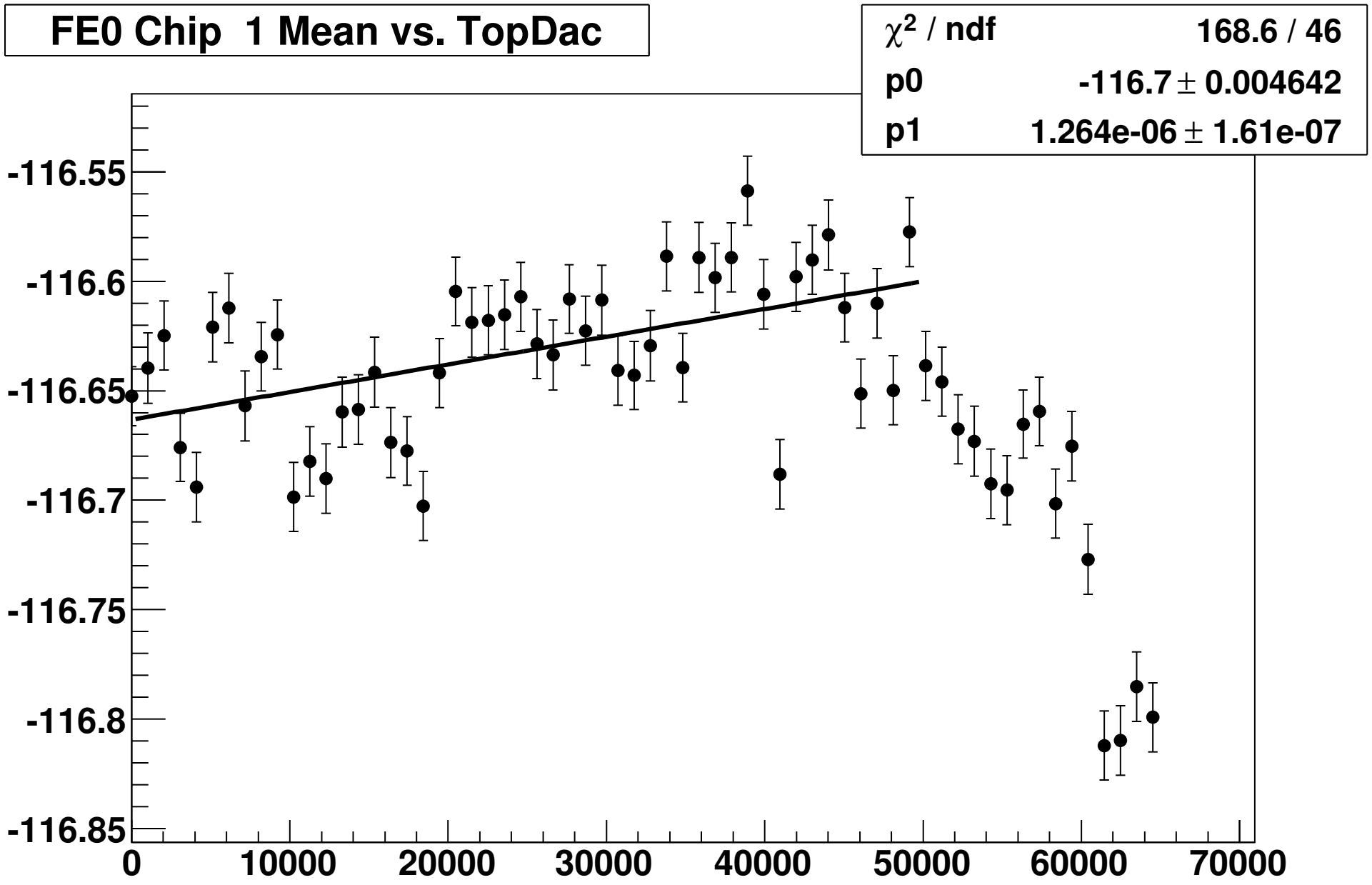
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 168.6 / 46
p0 -116.7 ± 0.004642
p1 1.264e-06 ± 1.61e-07
-116.55
-116.6
-116.65
-116.7
-116.75
-116.8
-116.85
0
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30000
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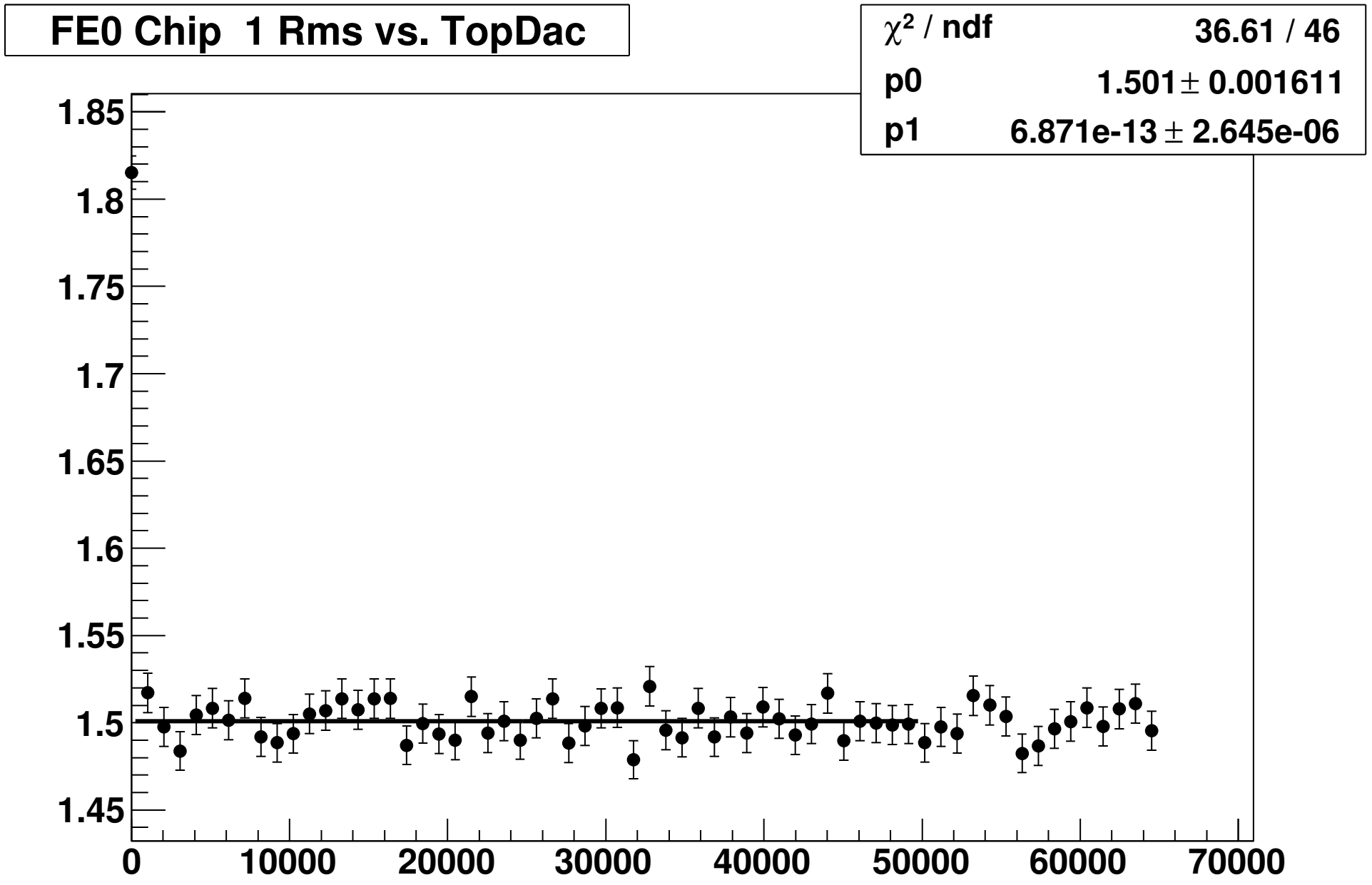
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 36.61 / 46
p0 1.501 ± 0.001611
p1 6.871e-13 ± 2.645e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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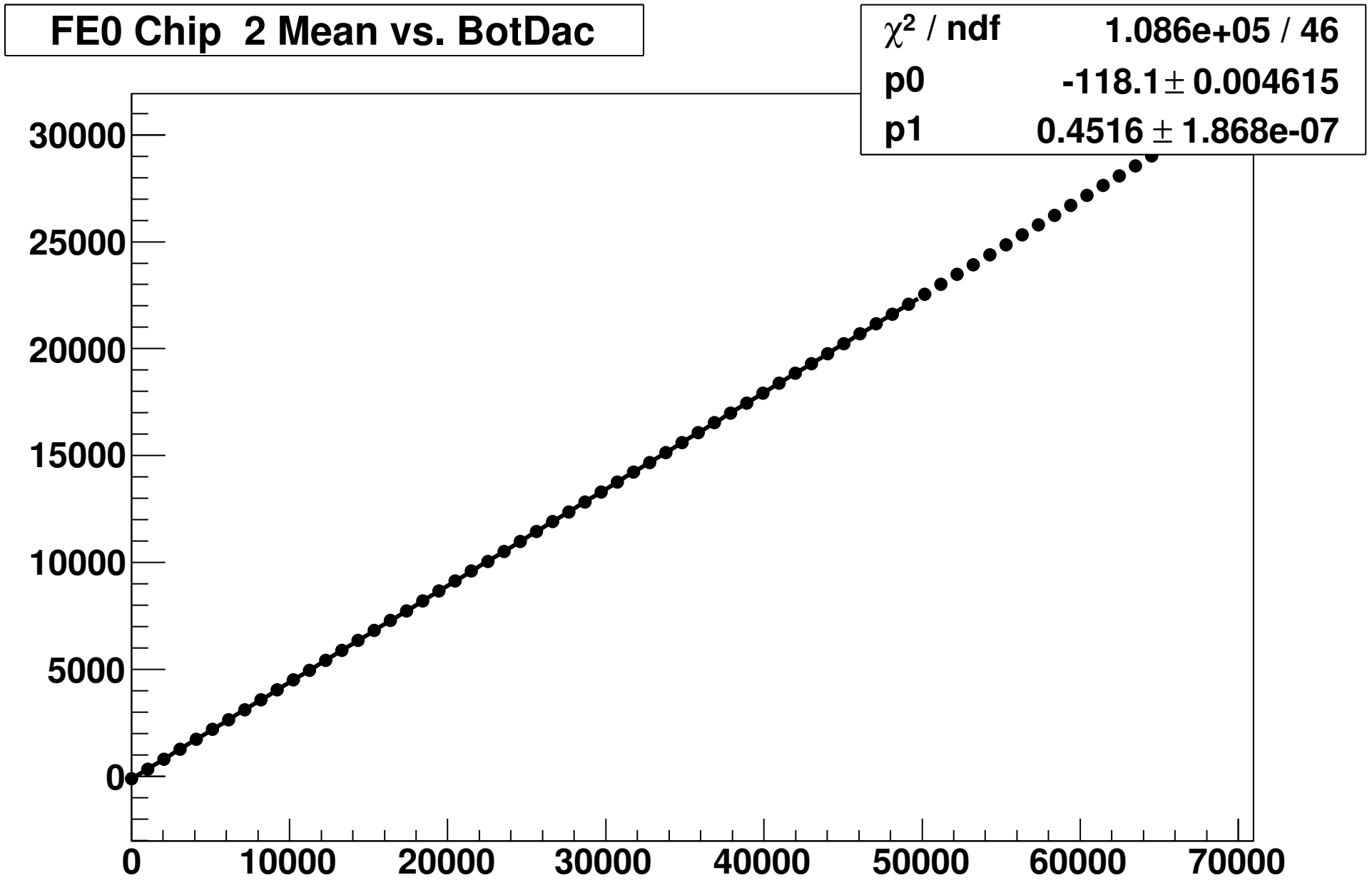
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.086e+05 / 46
p0 -118.1 ± 0.004615
p1 0.4516 ± 1.868e-07
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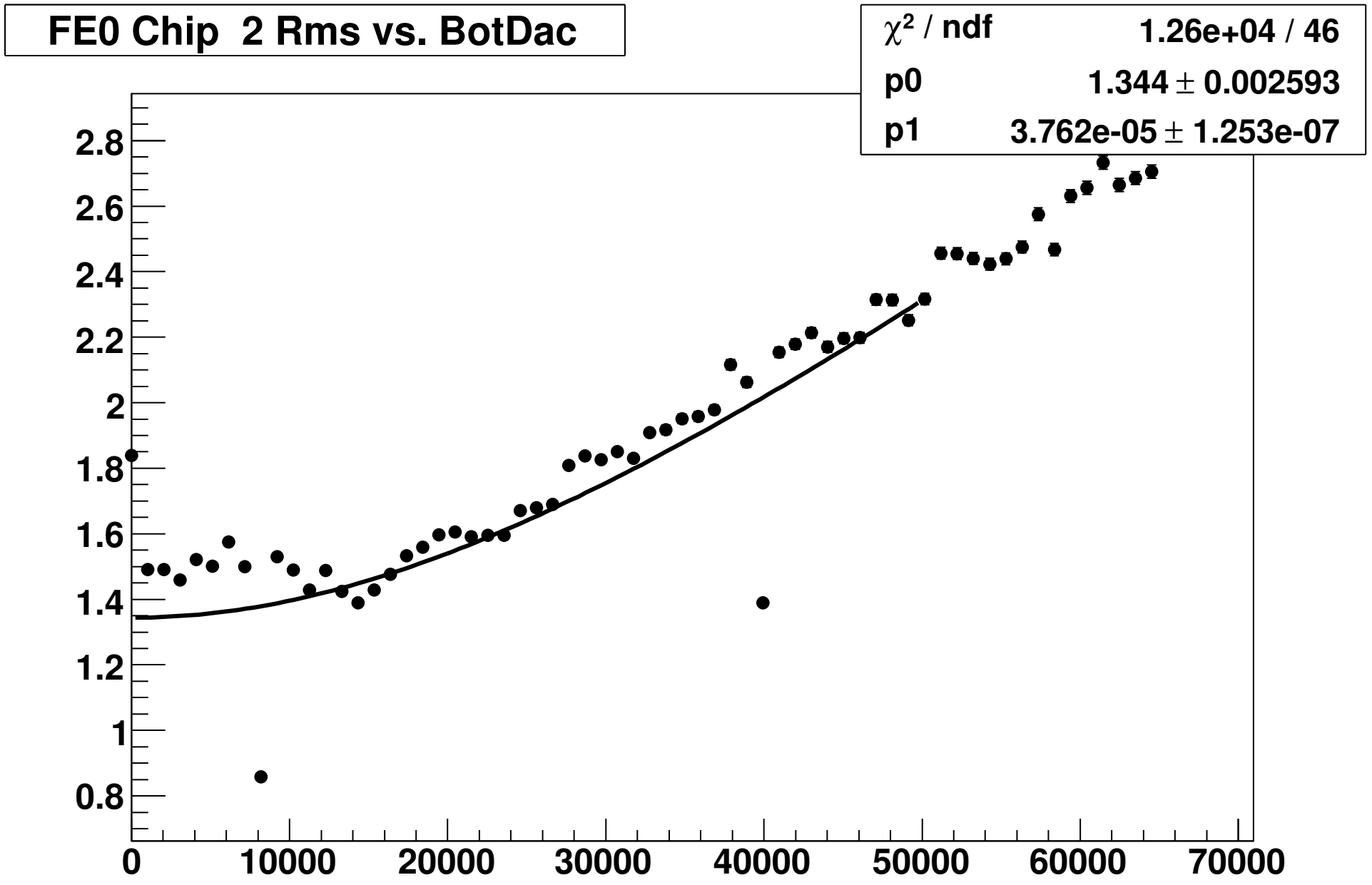
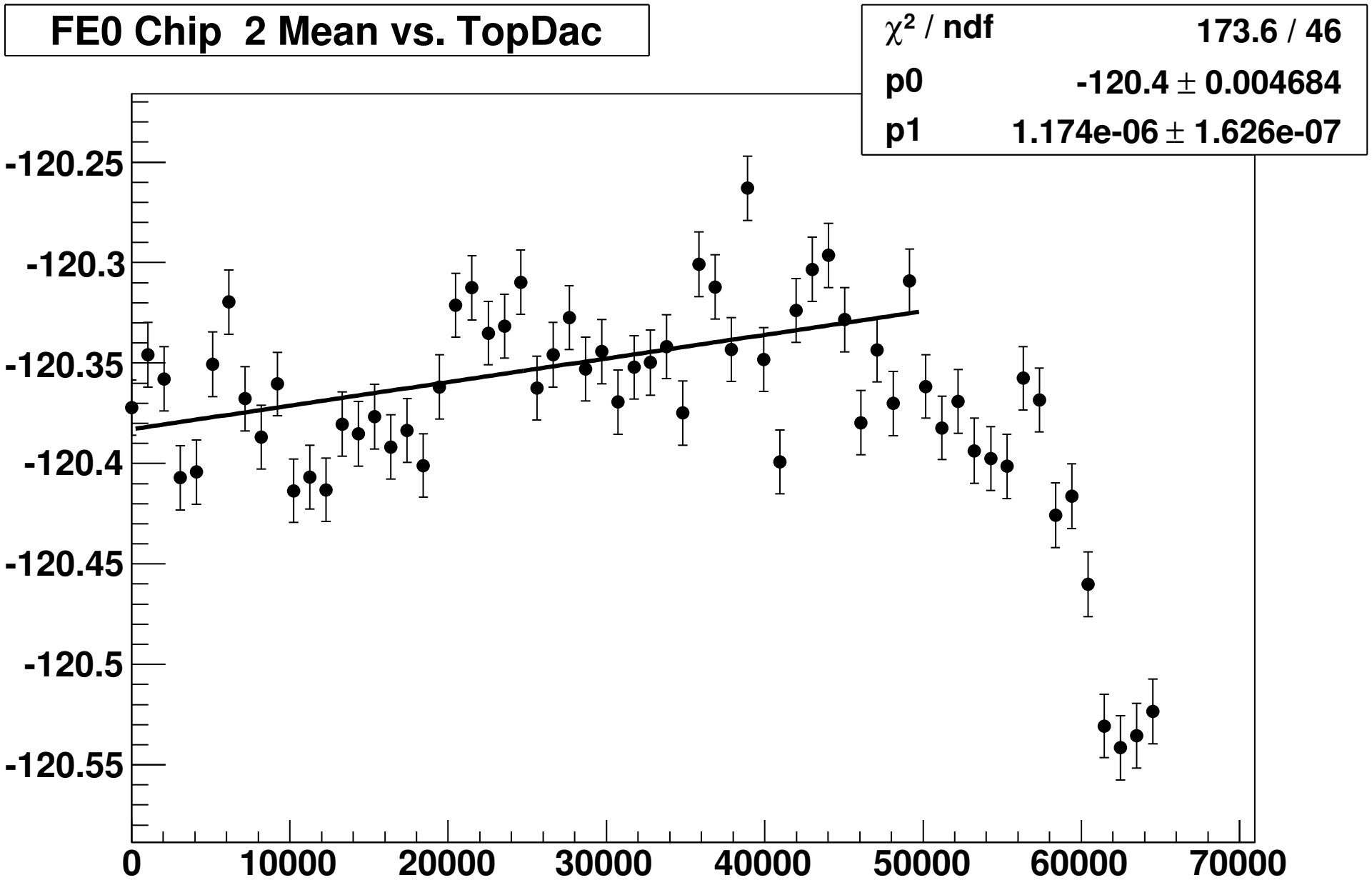
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1.26e+04 / 46
p0 1.344 ± 0.002593
p1 3.762e-05 ± 1.253e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 173.6 / 46
p0 -120.4 ± 0.004684
p1 1.174e-06 ± 1.626e-07
-120.25
-120.3
-120.35
-120.4
-120.45
-120.5
-120.55
0
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20000
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50000
60000
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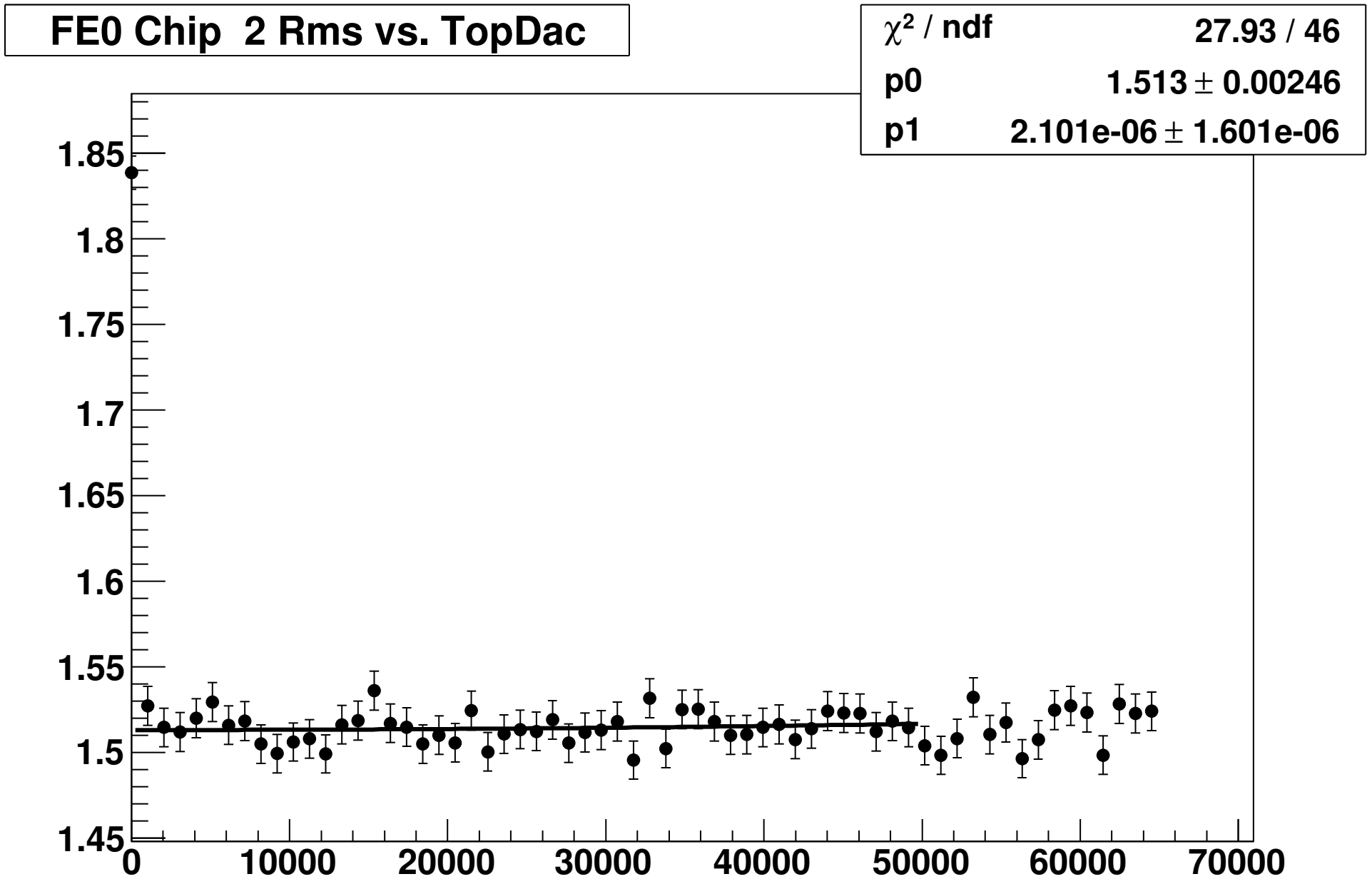
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 27.93 / 46
p0 1.513 ± 0.00246
p1 2.101e-06 ± 1.601e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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50000
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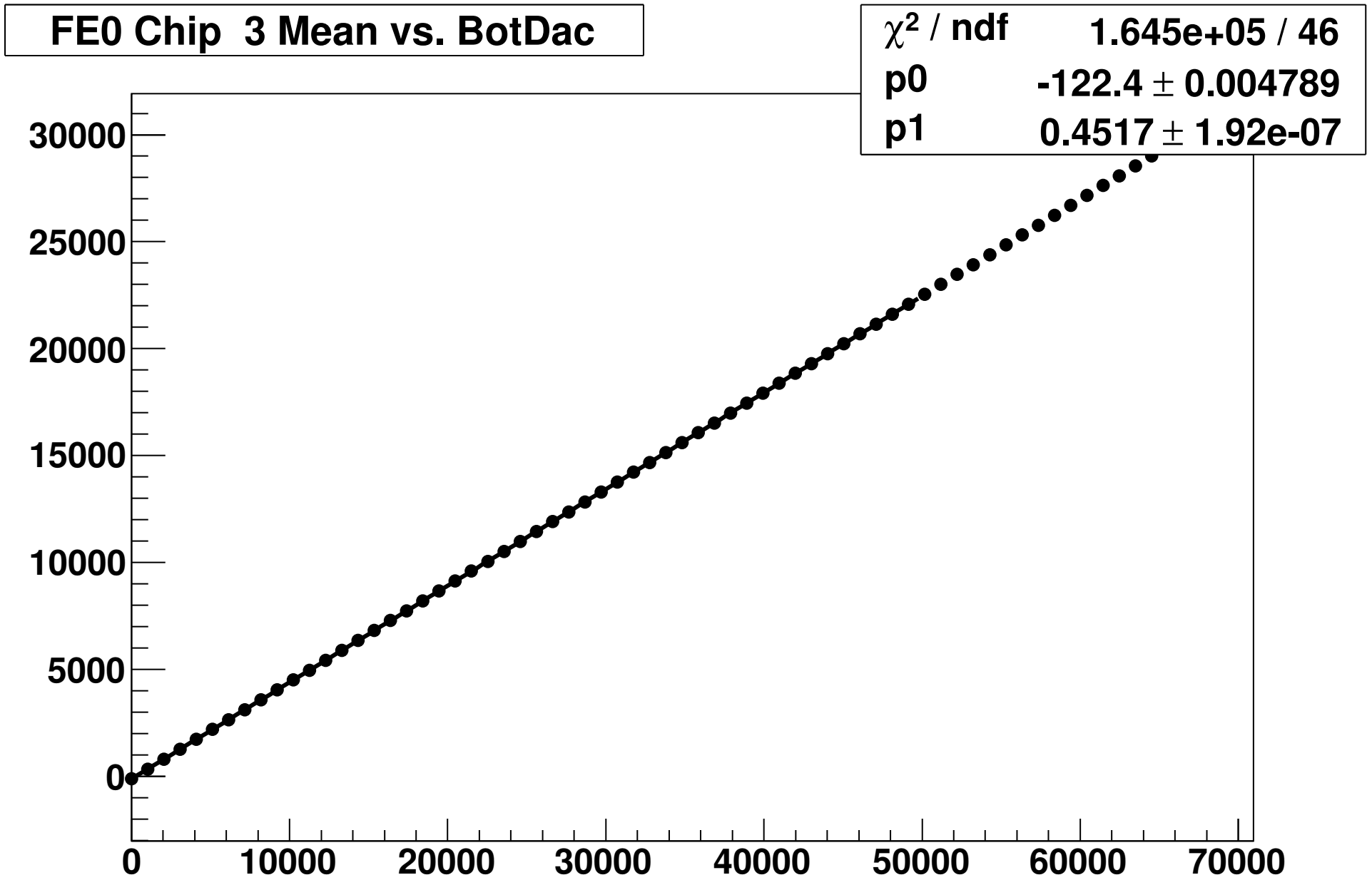
FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.645e+05 / 46
p0 -122.4 ± 0.004789
p1 0.4517 ± 1.92e-07
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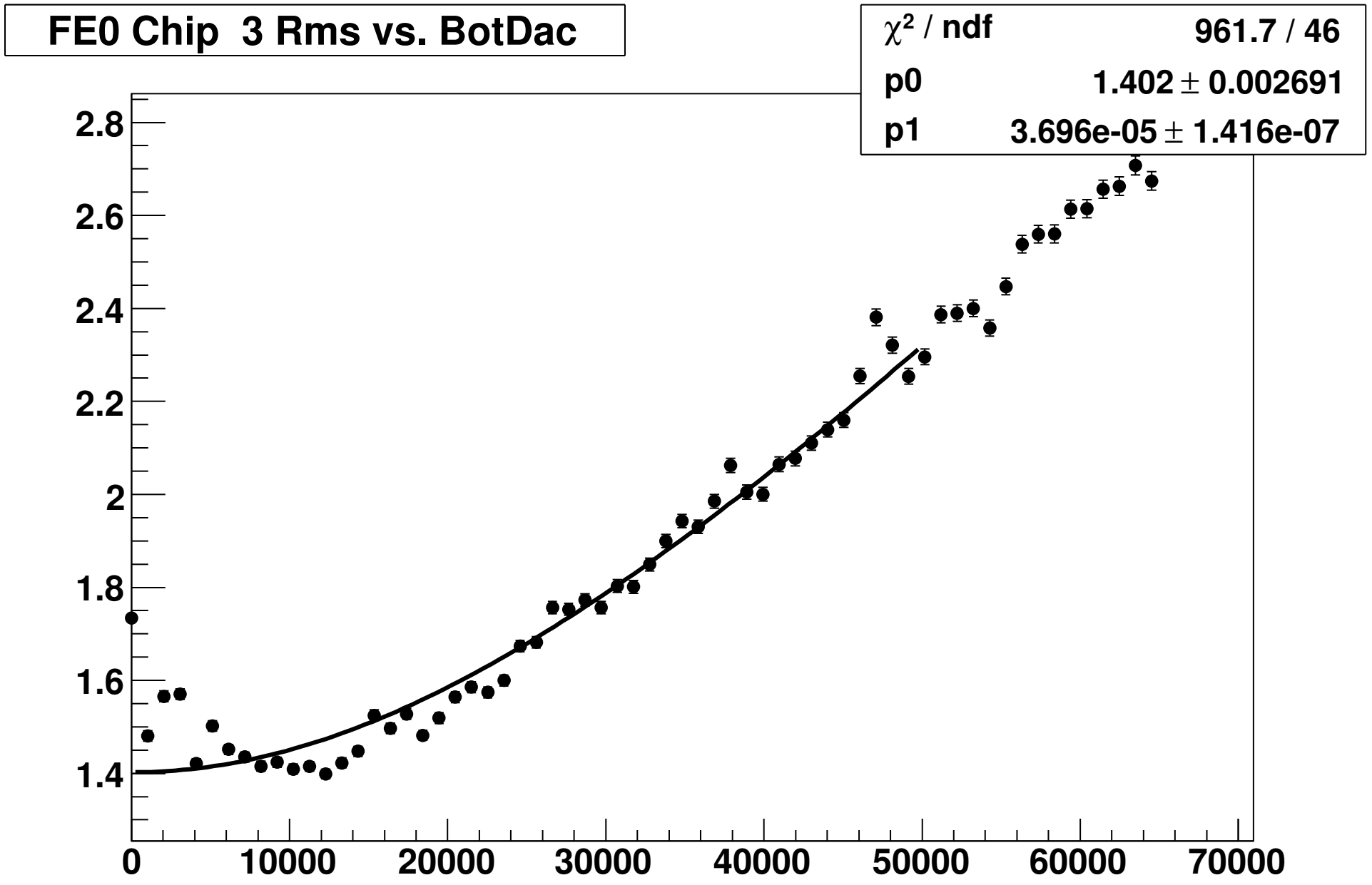
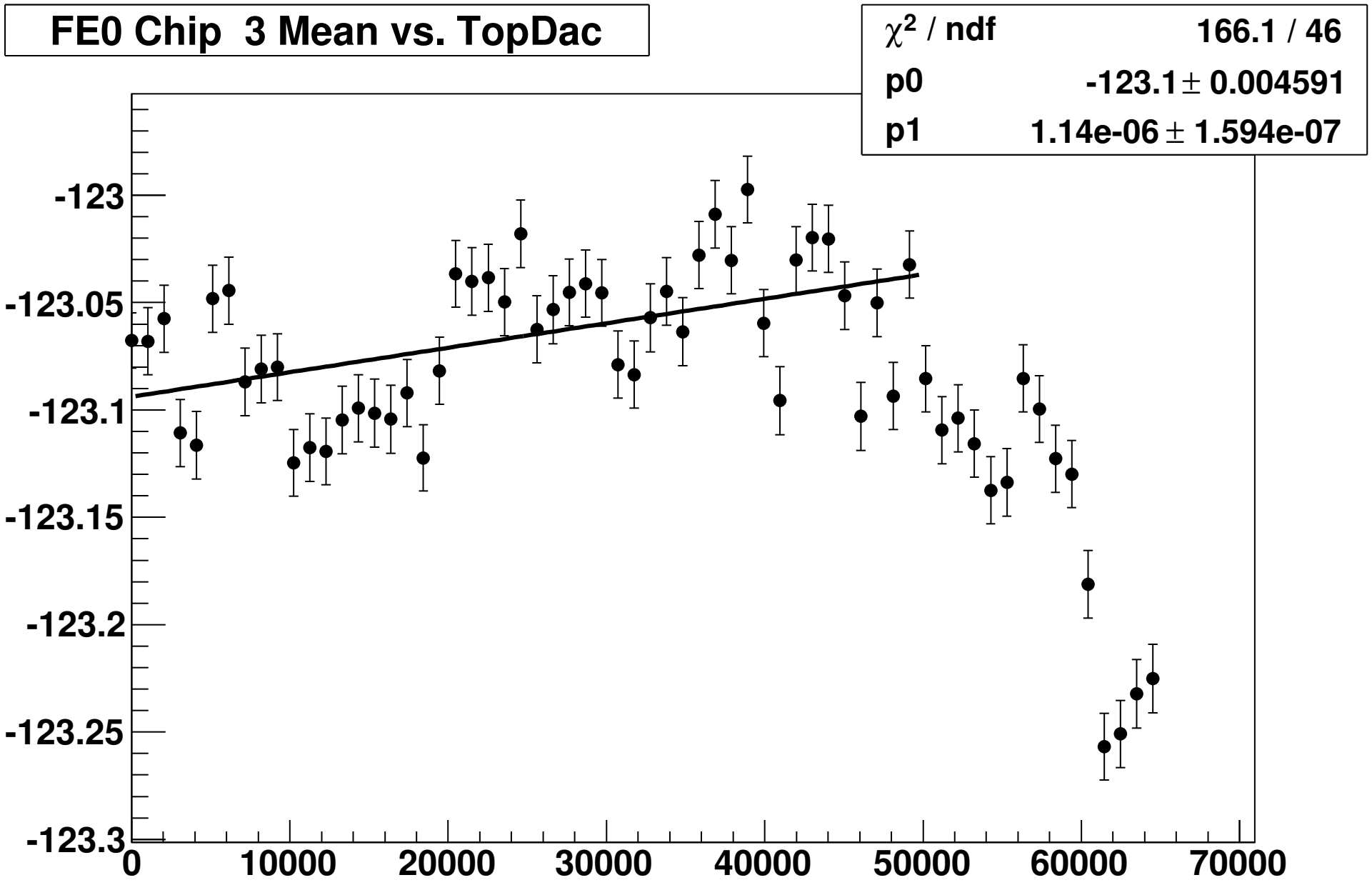
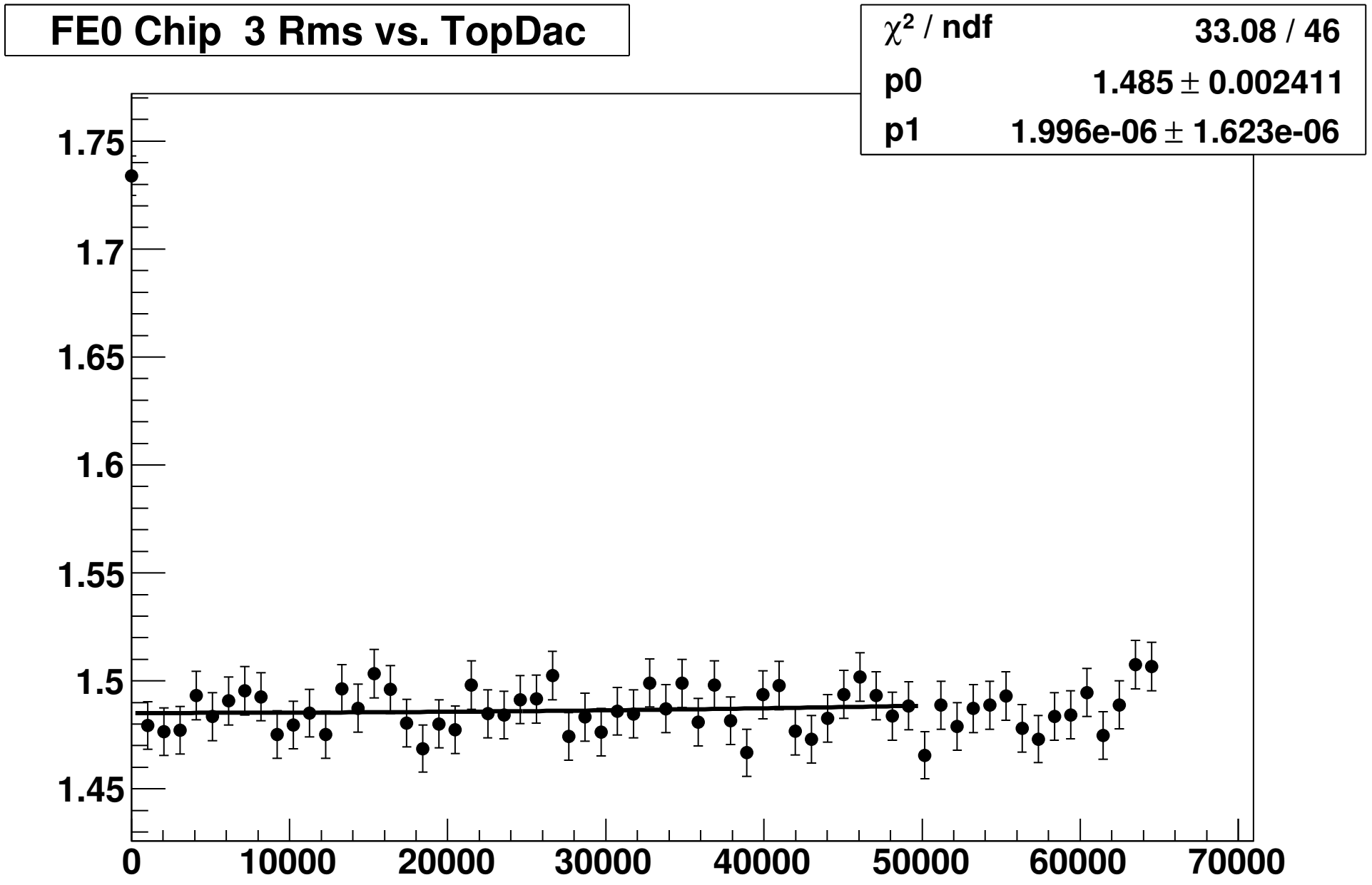
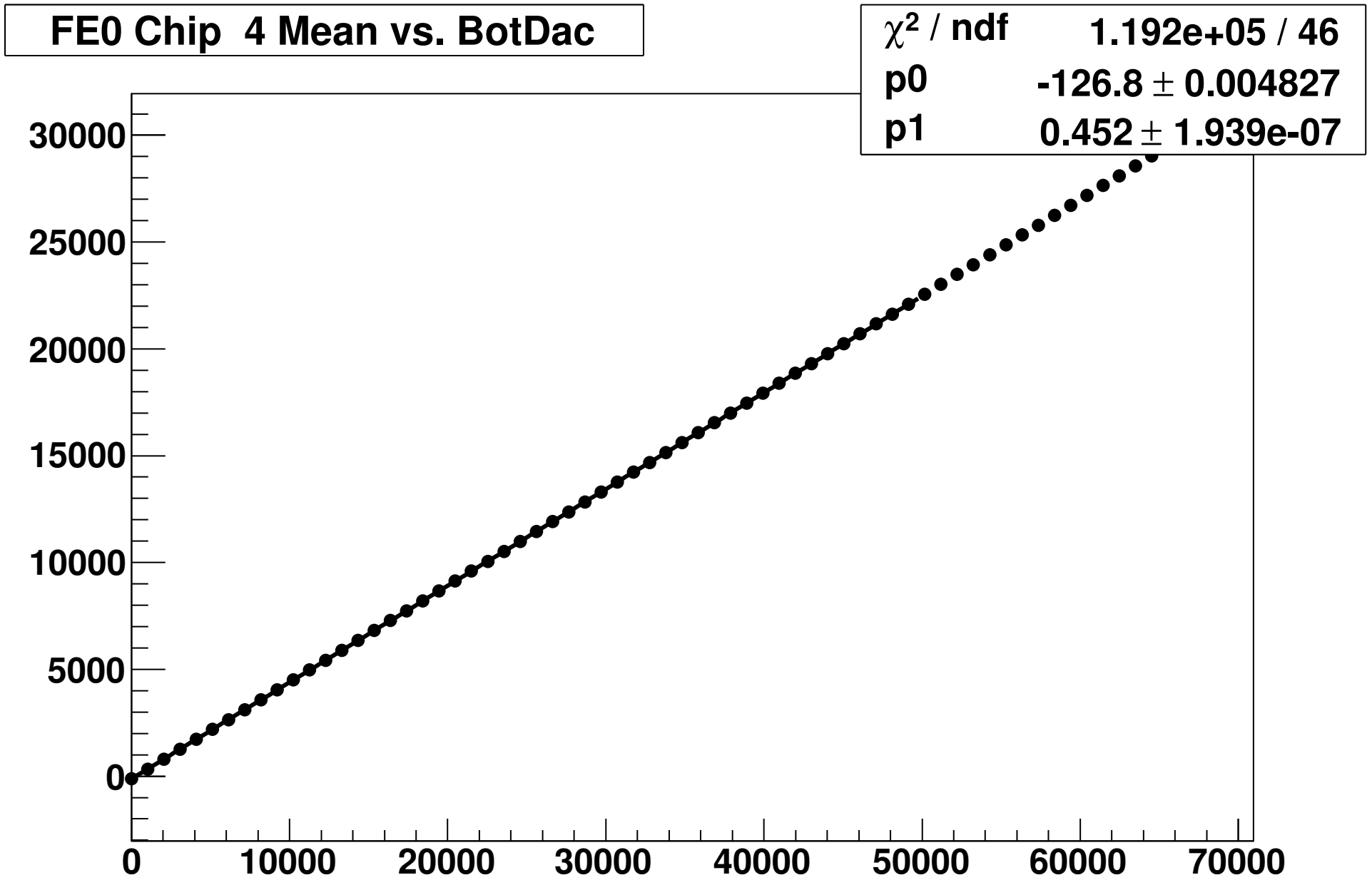
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 961.7 / 46
p0 1.402 ± 0.002691
p1 3.696e-05 ± 1.416e-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 3 Mean vs. TopDac
χ² / ndf 166.1 / 46
p0 -123.1 ± 0.004591
p1 1.14e-06 ± 1.594e-07
-123
-123.05
-123.1
-123.15
-123.2
-123.25
-123.3
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 33.08 / 46
p0 1.485 ± 0.002411
p1 1.996e-06 ± 1.623e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.192e+05 / 46
p0 -126.8 ± 0.004827
p1 0.452 ± 1.939e-07
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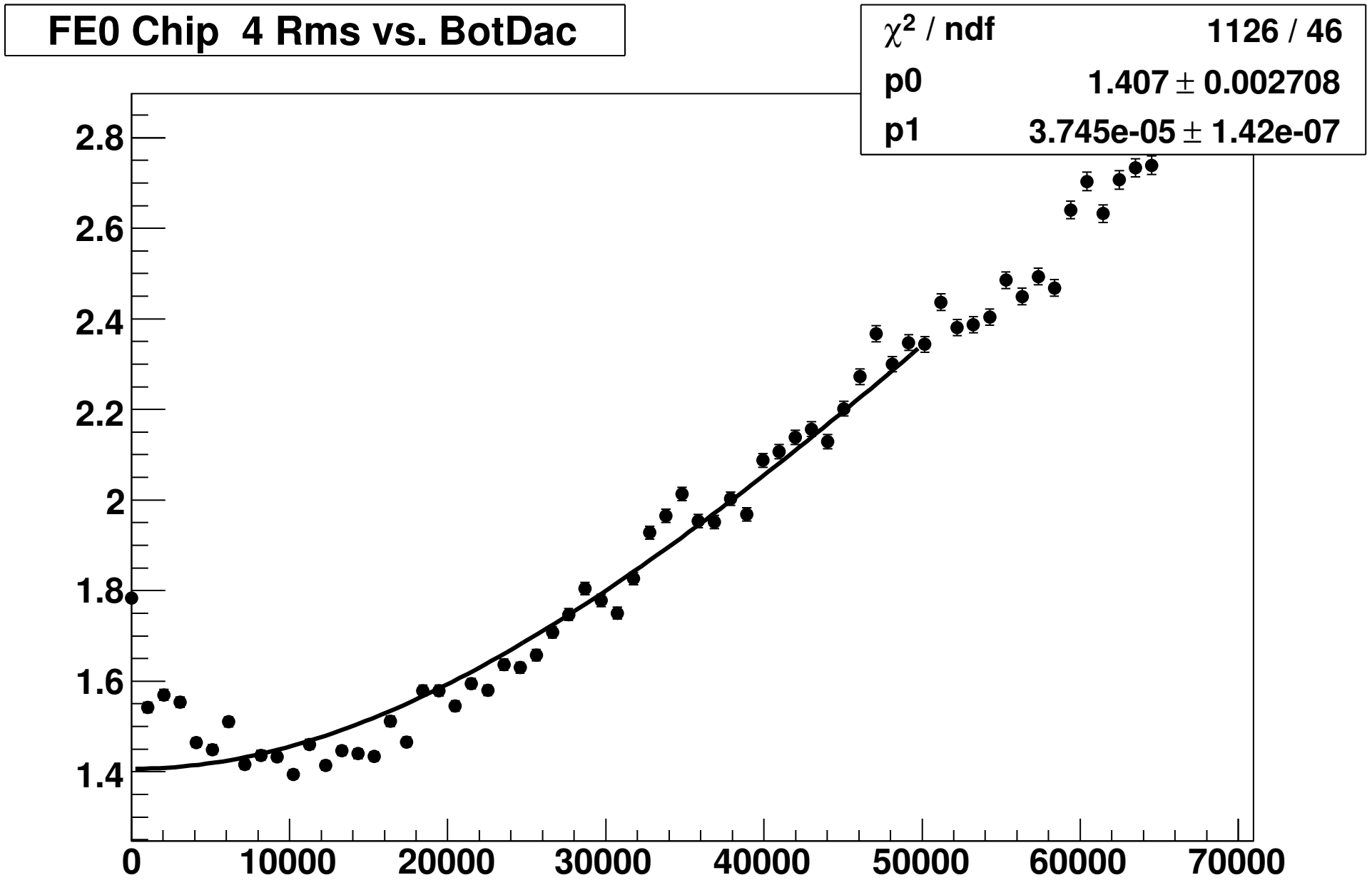
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1126 / 46
p0 1.407 ± 0.002708
p1 3.745e-05 ± 1.42e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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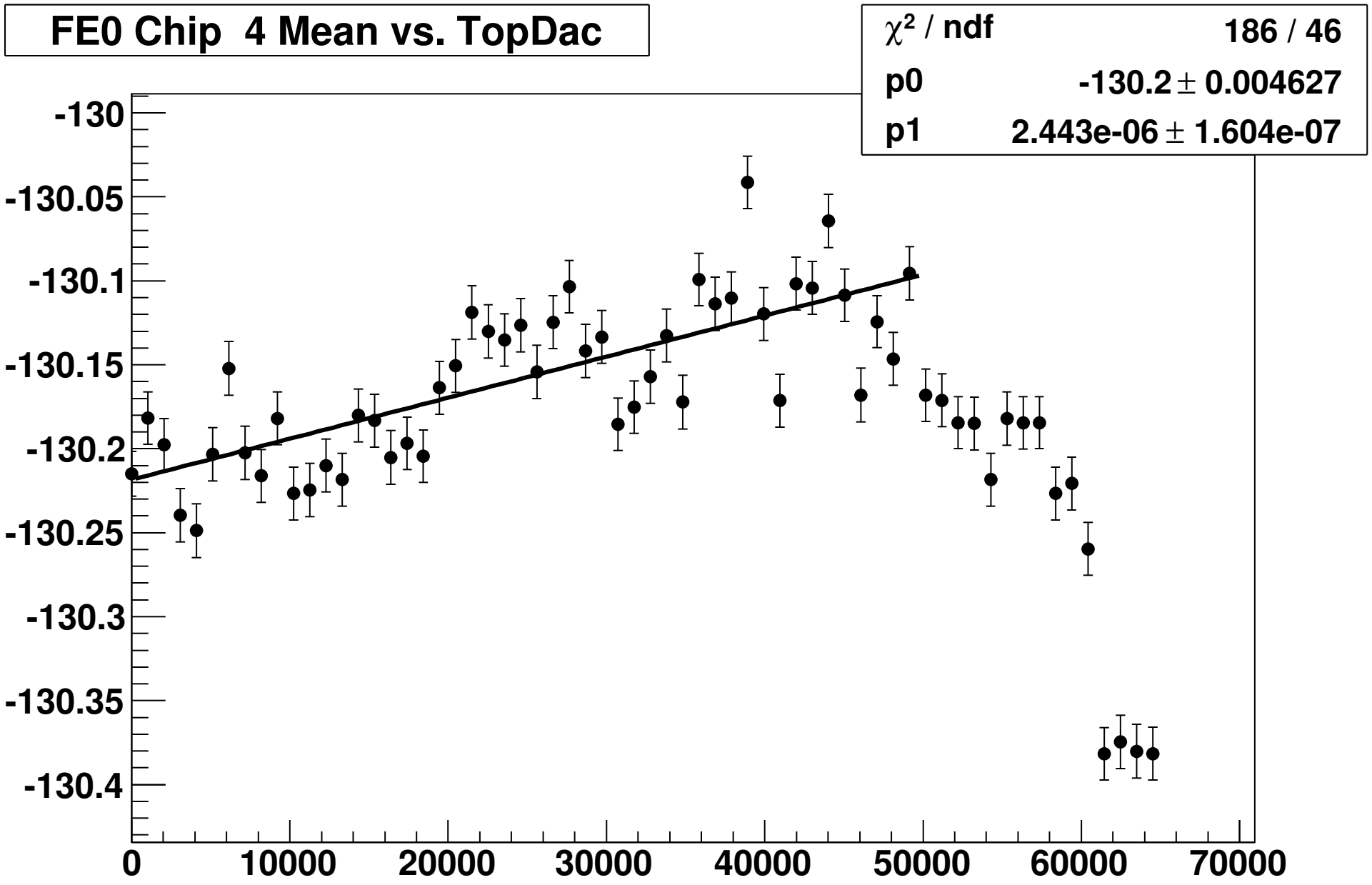
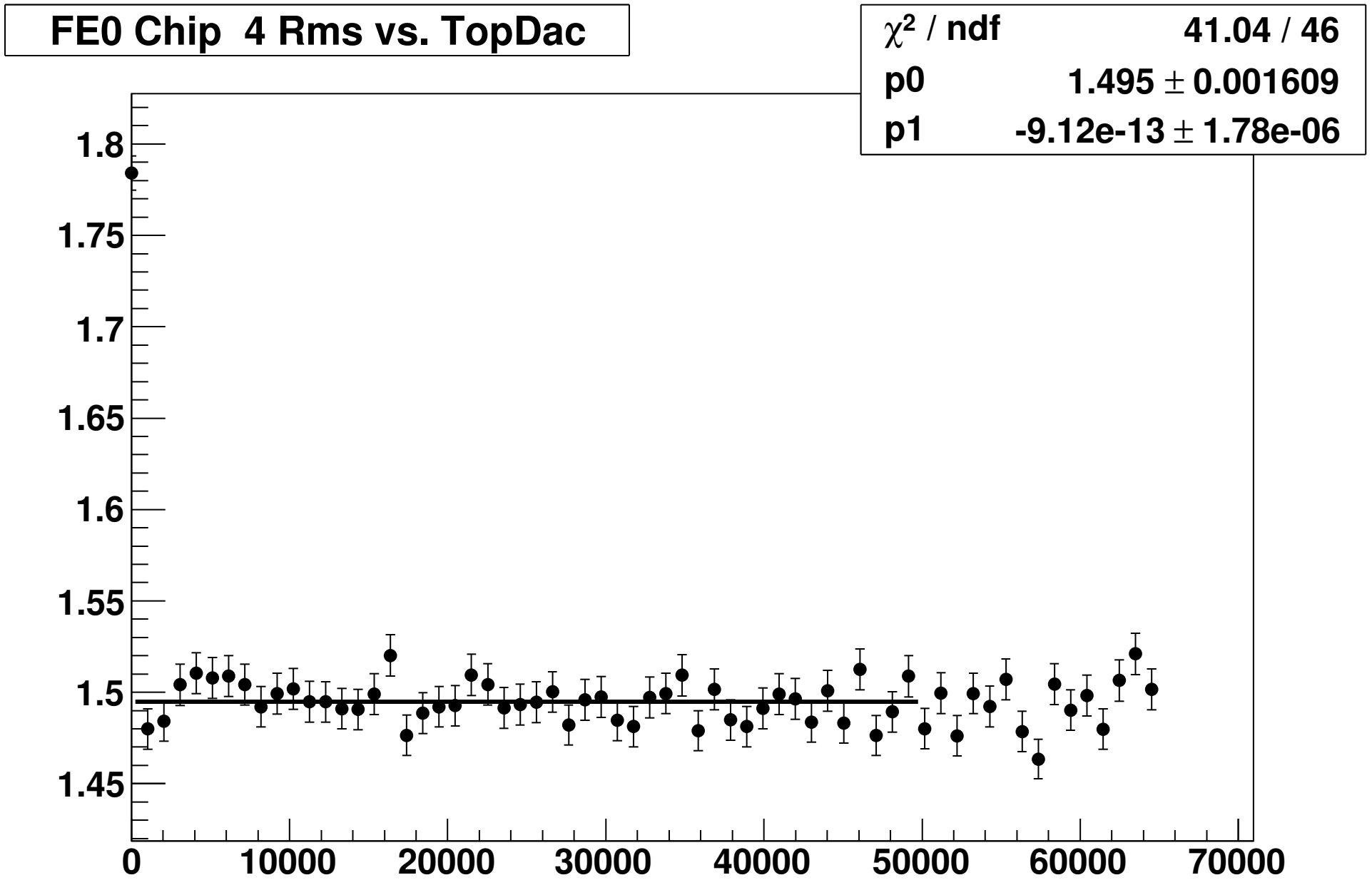
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 186 / 46
p0 -130.2 ± 0.004627
p1 2.443e-06 ± 1.604e-07
-130
-130.05
-130.1
-130.15
-130.2
-130.25
-130.3
-130.35
-130.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 41.04 / 46
p0 1.495 ± 0.001609
p1 -9.12e-13 ± 1.78e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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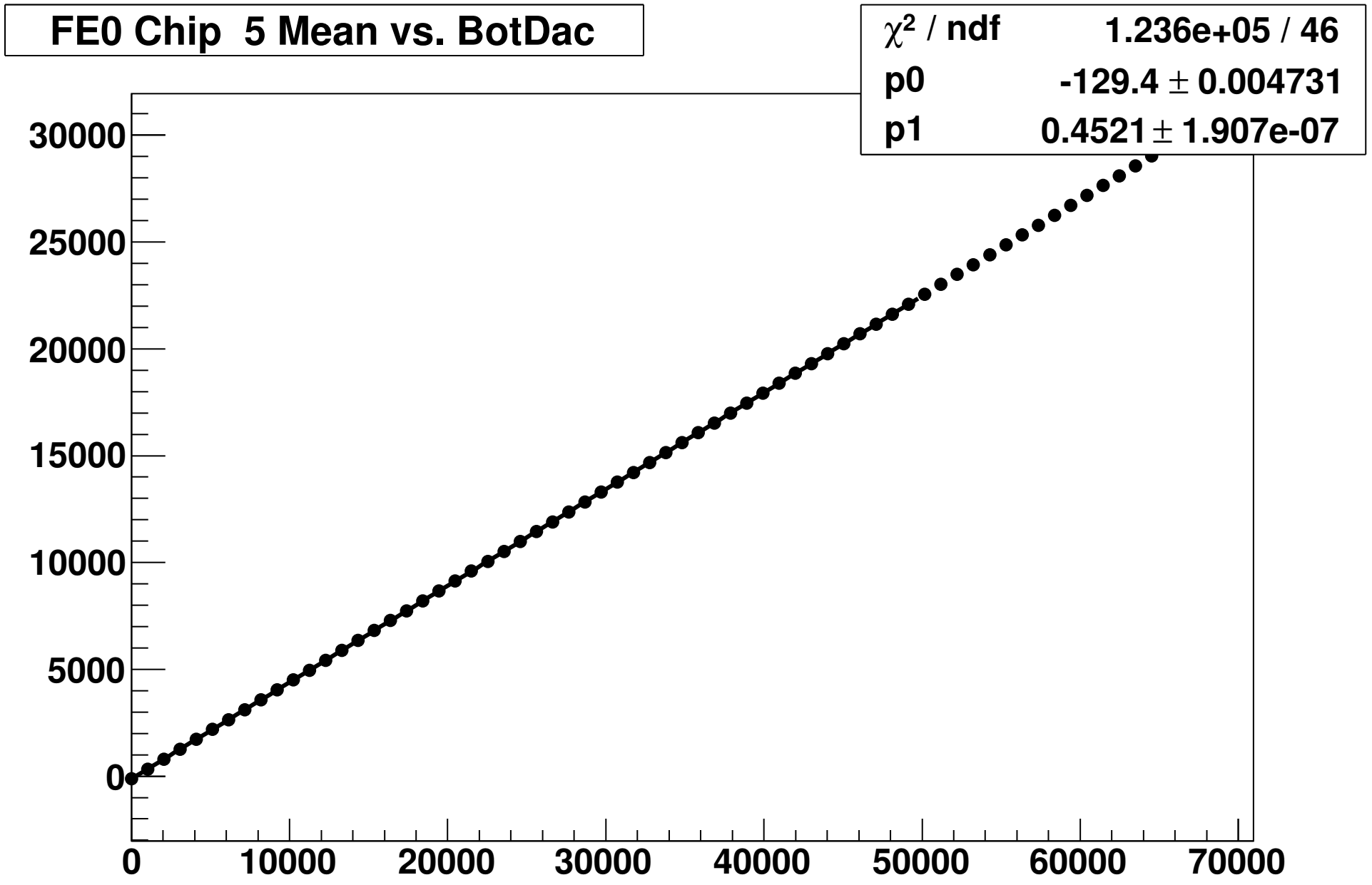
40000
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.236e+05 / 46
p0 -129.4 ± 0.004731
p1 0.4521 ± 1.907e-07
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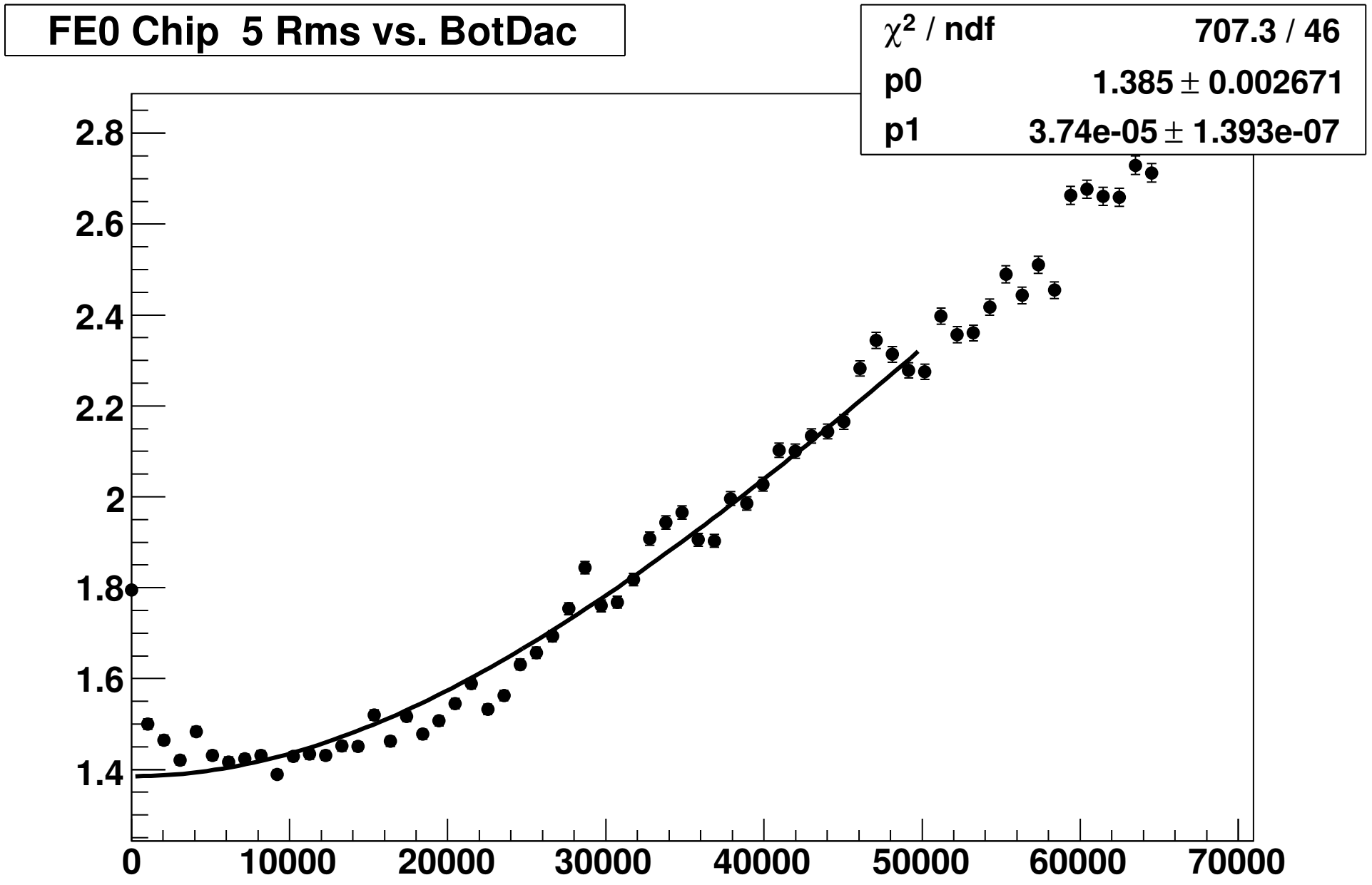
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 707.3 / 46
p0 1.385 ± 0.002671
p1 3.74e-05 ± 1.393e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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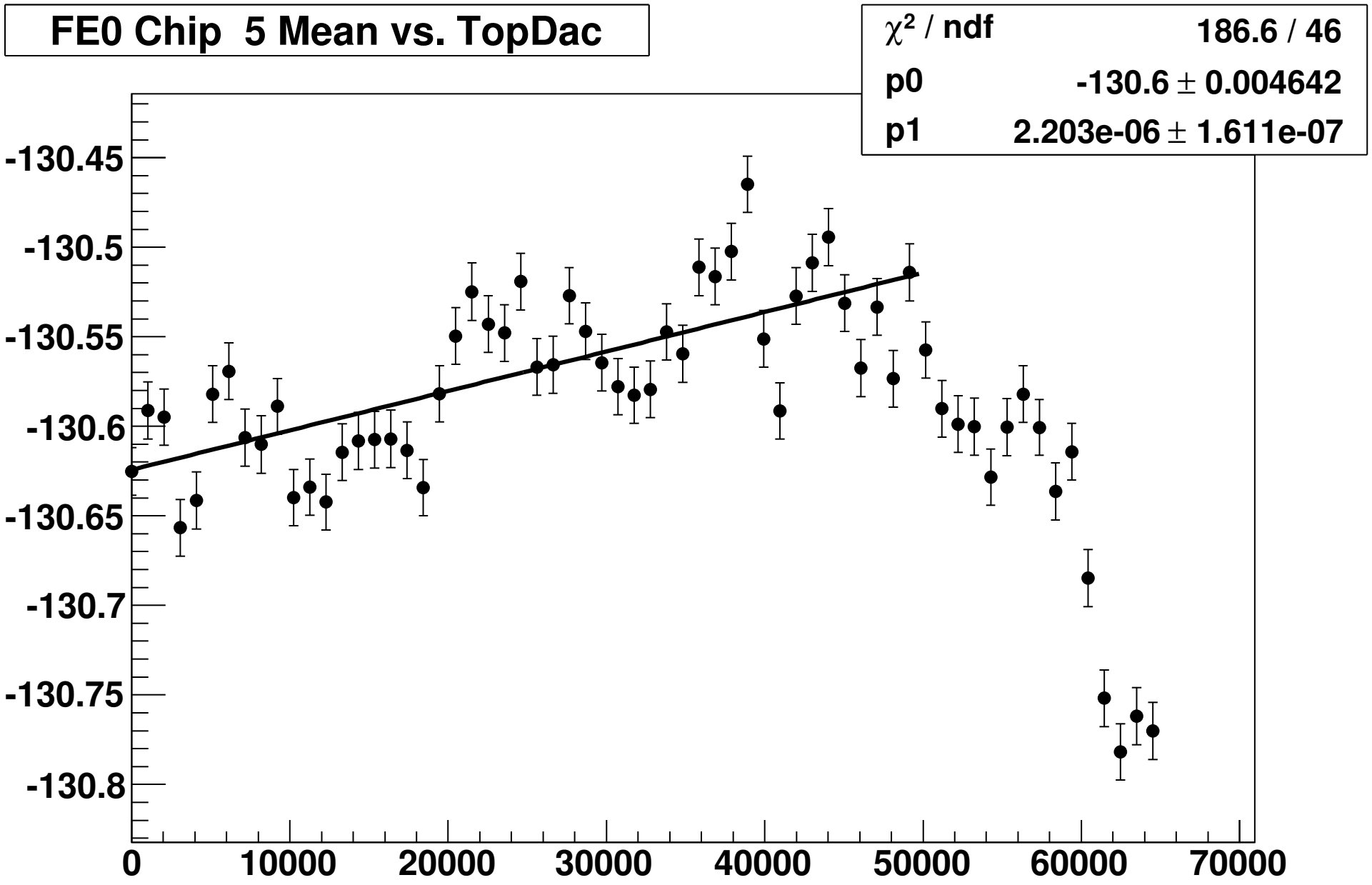
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 186.6 / 46
p0 -130.6 ± 0.004642
p1 2.203e-06 ± 1.611e-07
-130.45
-130.5
-130.55
-130.6
-130.65
-130.7
-130.75
-130.8
0
10000
20000
30000
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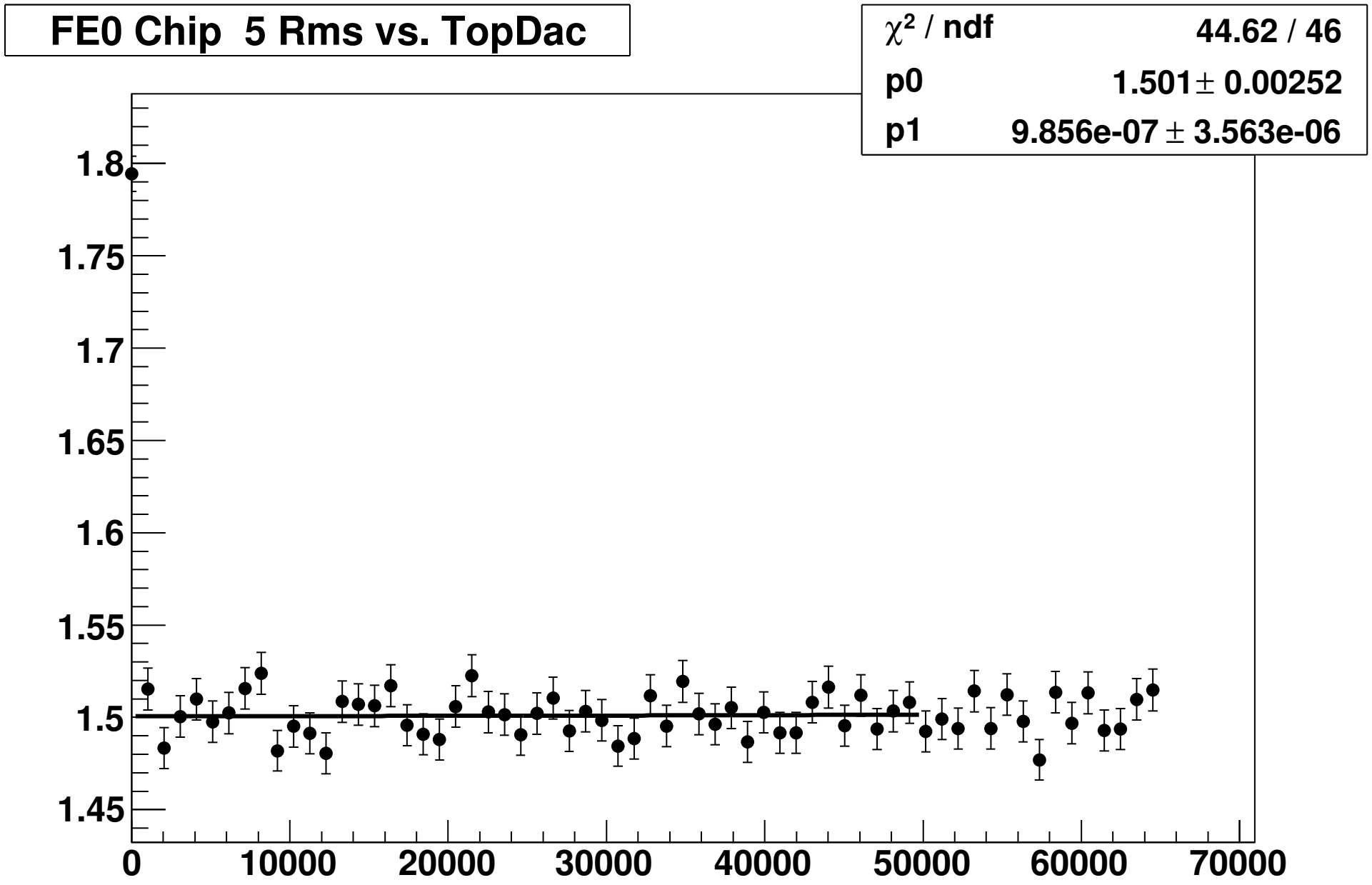
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 44.62 / 46
p0 1.501 ± 0.00252
p1 9.856e-07 ± 3.563e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
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20000
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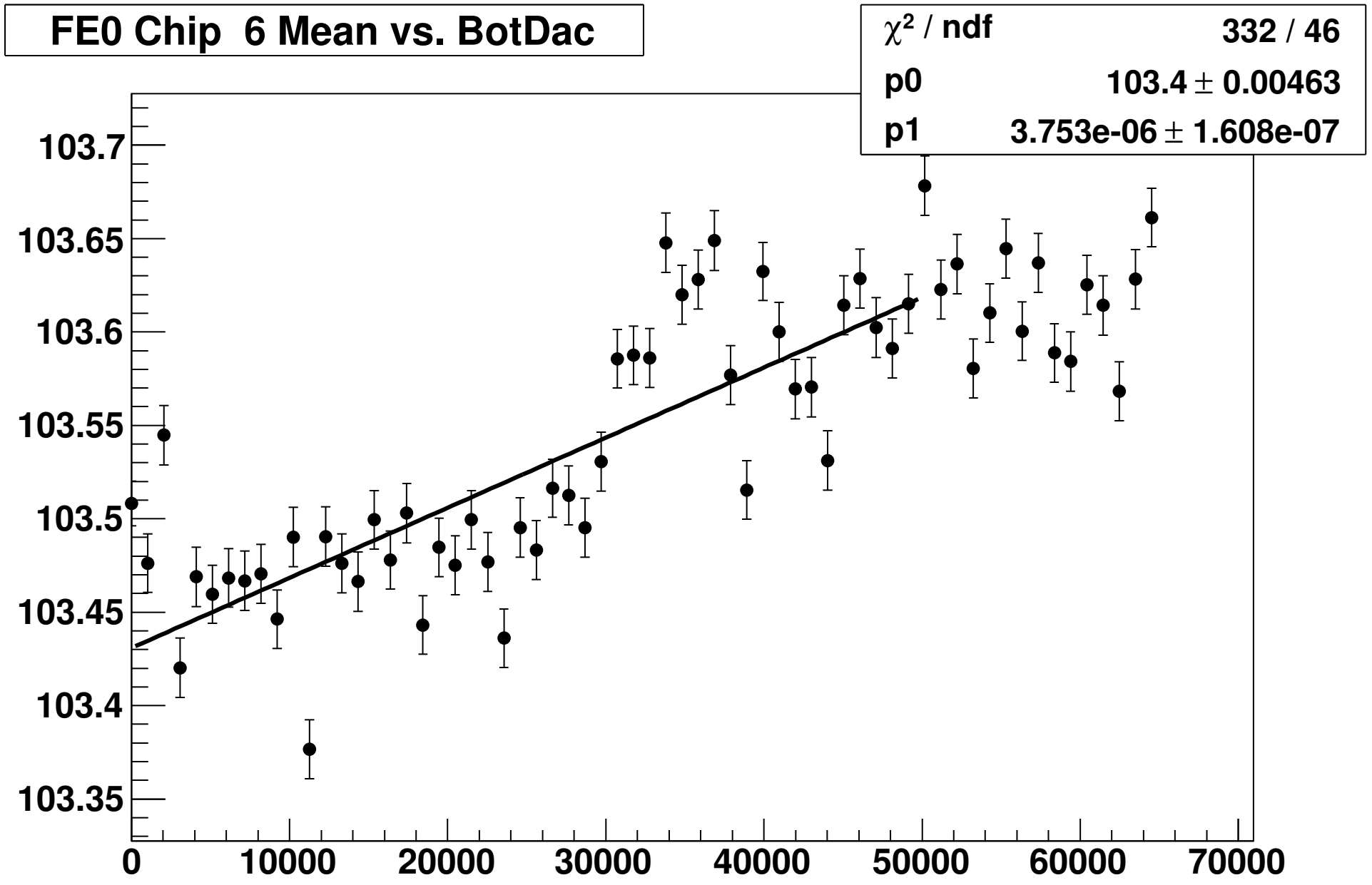
60000
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 332 / 46
p0 103.4 ± 0.00463
p1 3.753e-06 ± 1.608e-07
103.7
103.65
103.6
103.55
103.5
103.45
103.4
103.35
0
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20000
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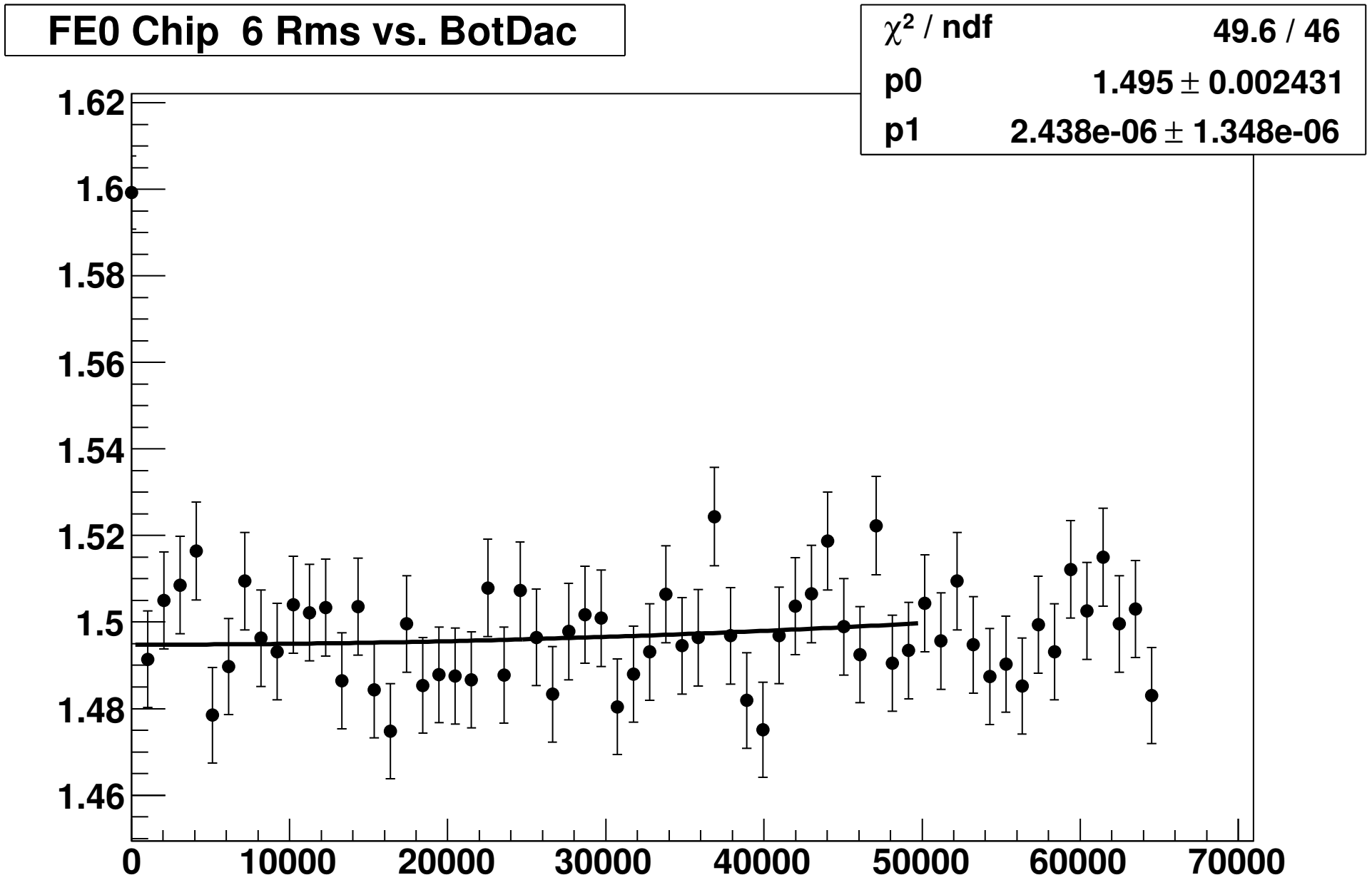
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 49.6 / 46
p0 1.495 ± 0.002431
p1 2.438e-06 ± 1.348e-06
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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40000
50000
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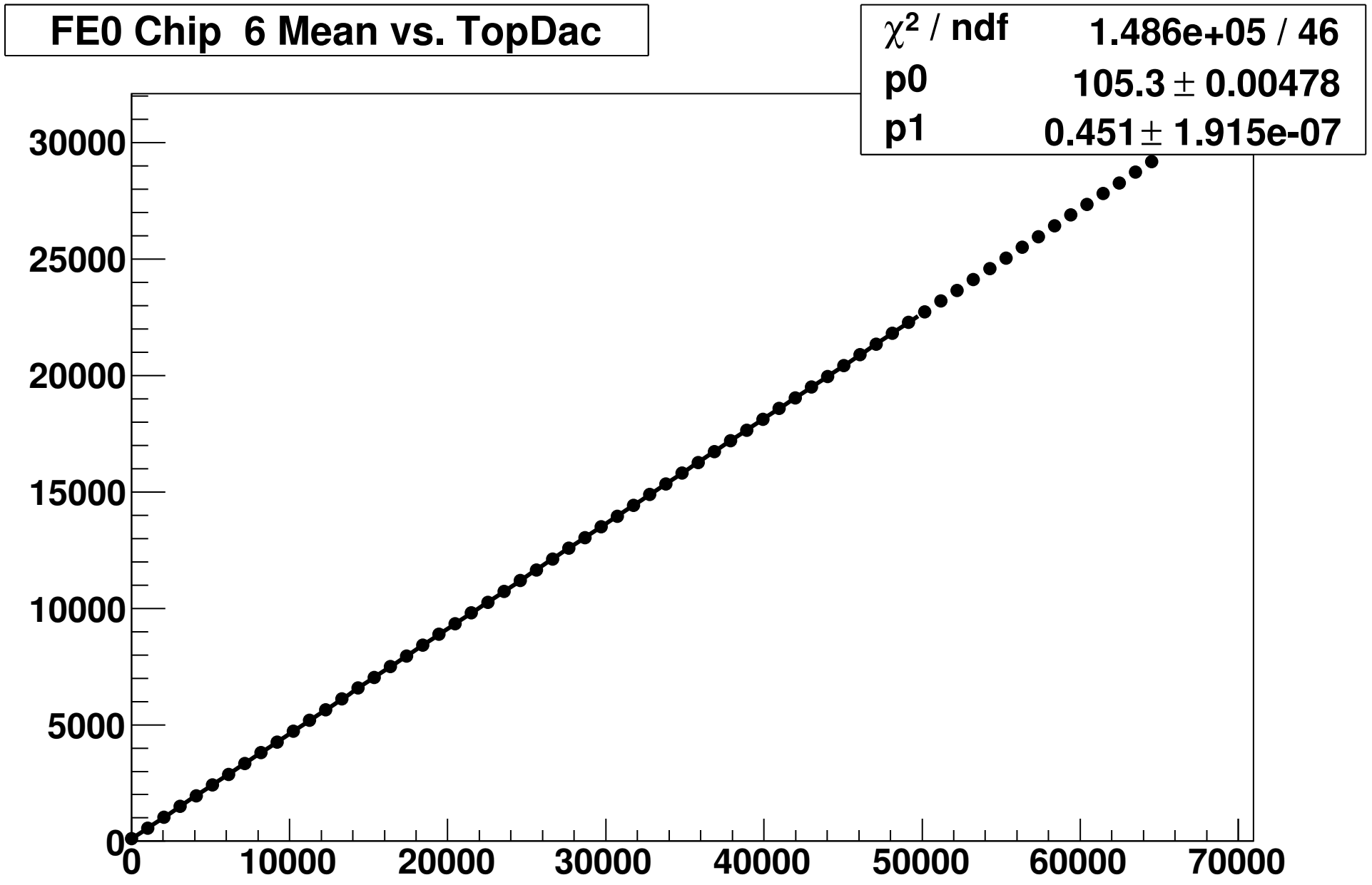
FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.486e+05 / 46
p0 105.3 ± 0.00478
p1 0.451 ± 1.915e-07
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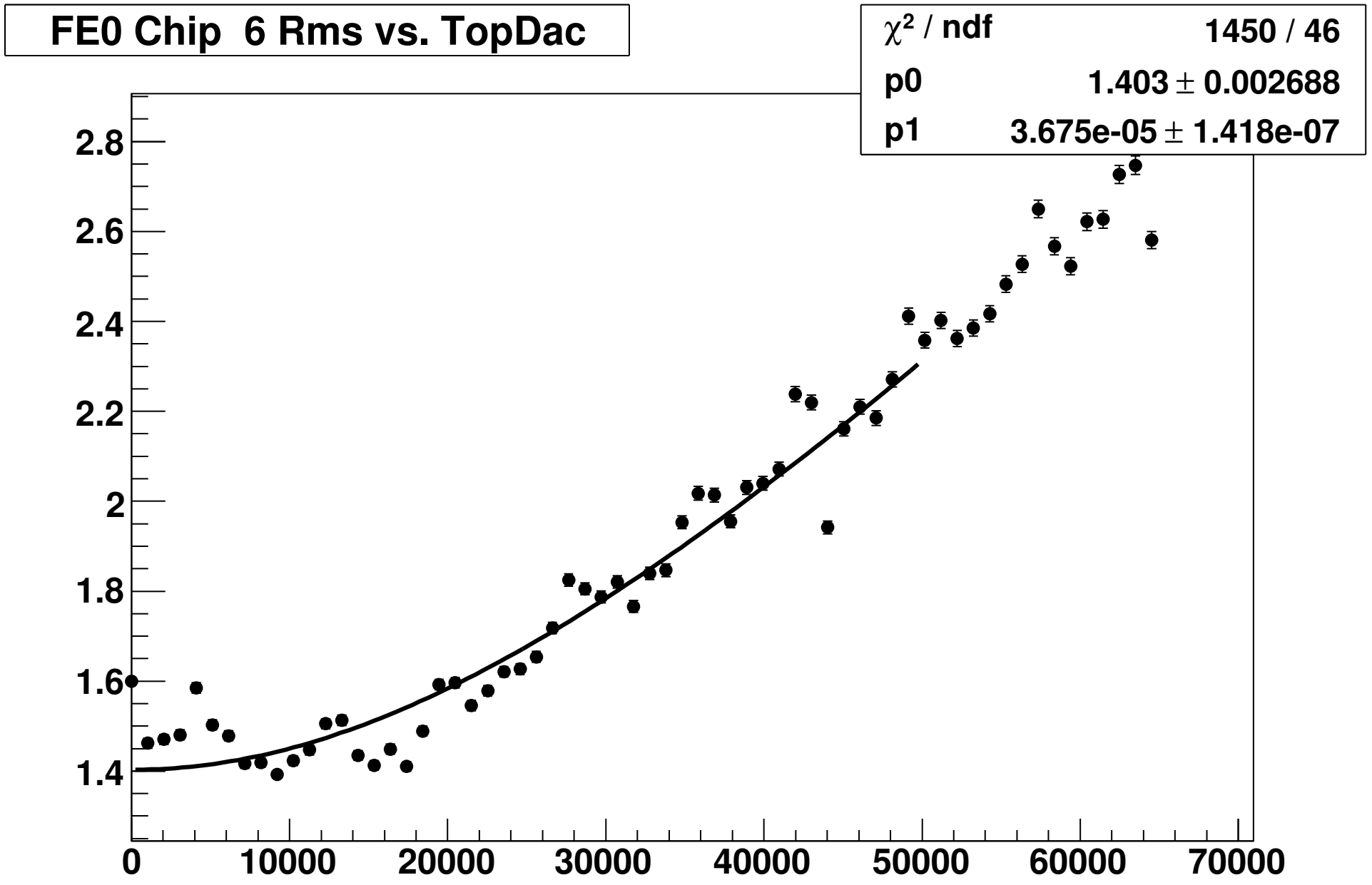
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1450 / 46
p0 1.403 ± 0.002688
p1 3.675e-05 ± 1.418e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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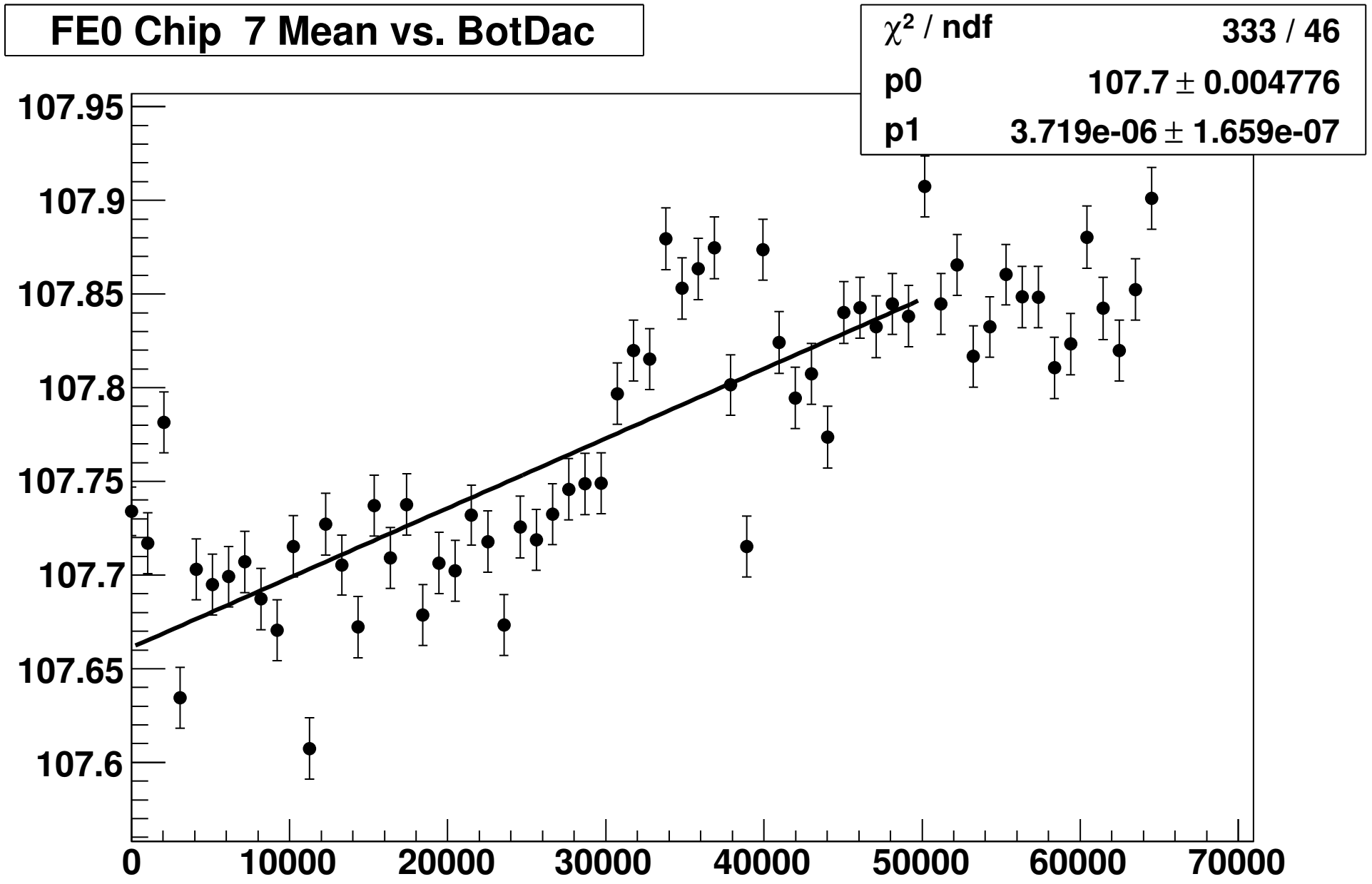
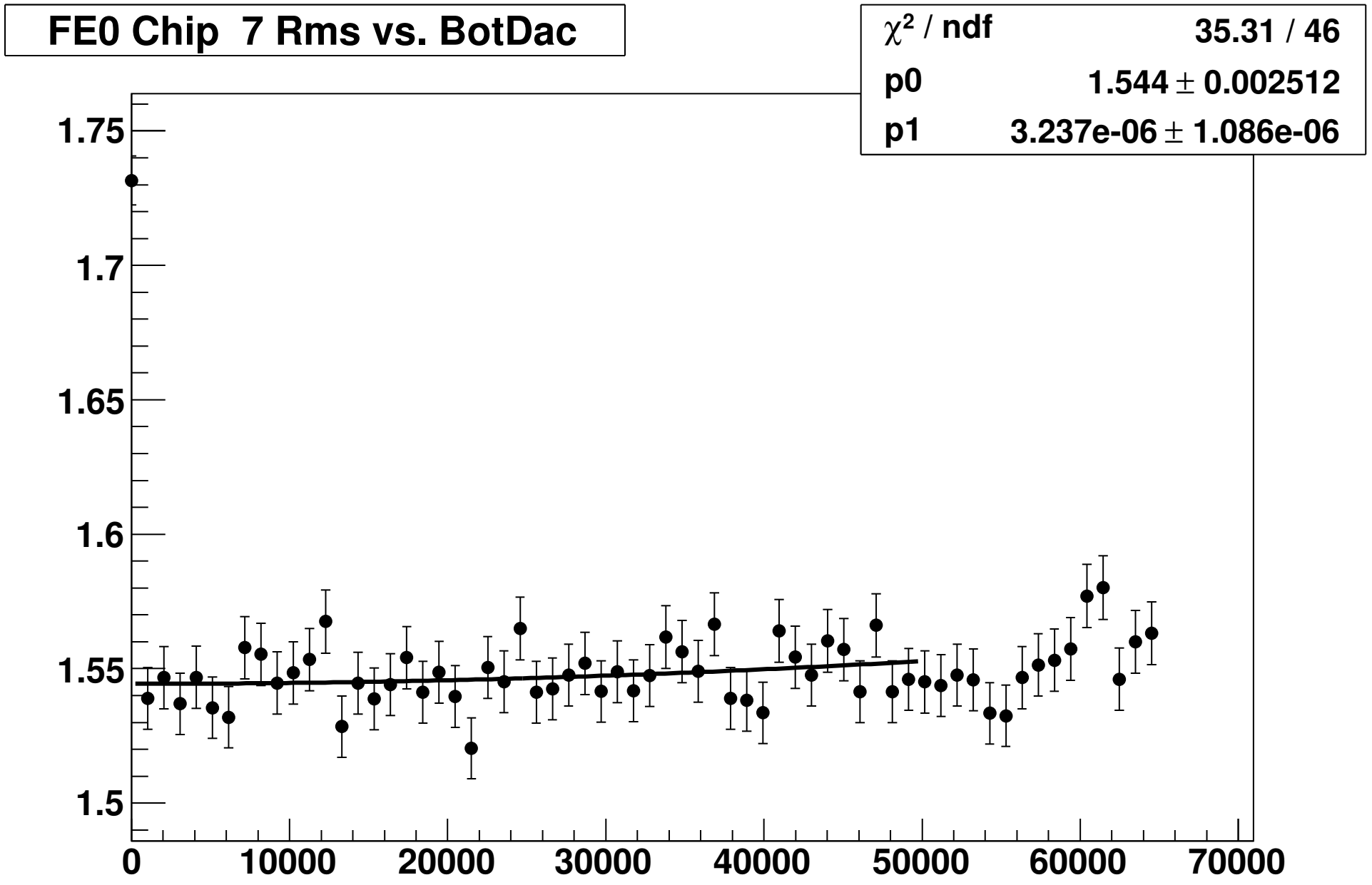
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 333 / 46
p0 107.7 ± 0.004776
p1 3.719e-06 ± 1.659e-07
107.95
107.9
107.85
107.8
107.75
107.7
107.65
107.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 35.31 / 46
p0 1.544 ± 0.002512
p1 3.237e-06 ± 1.086e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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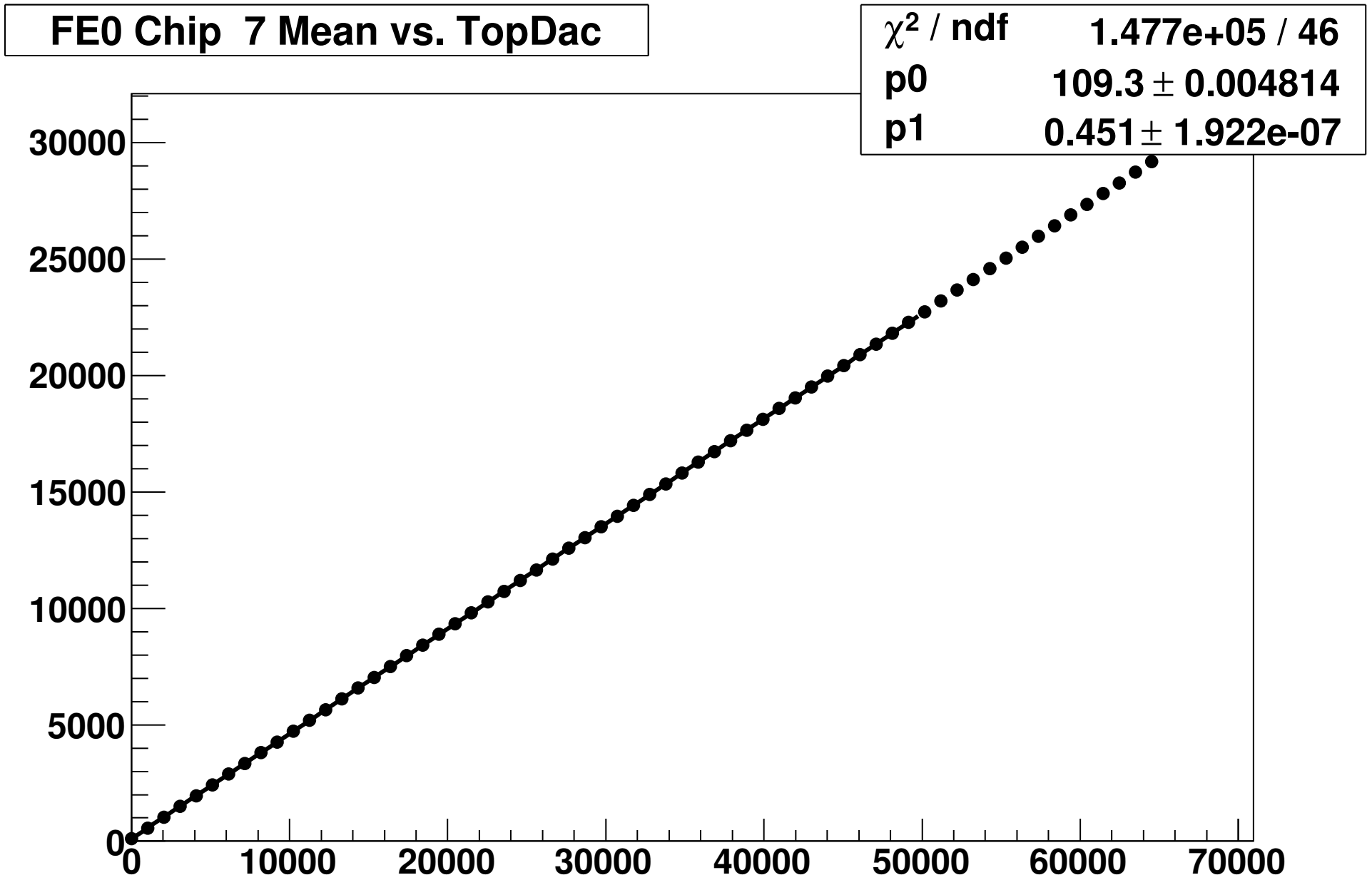
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.477e+05 / 46
p0 109.3 ± 0.004814
p1 0.451 ± 1.922e-07
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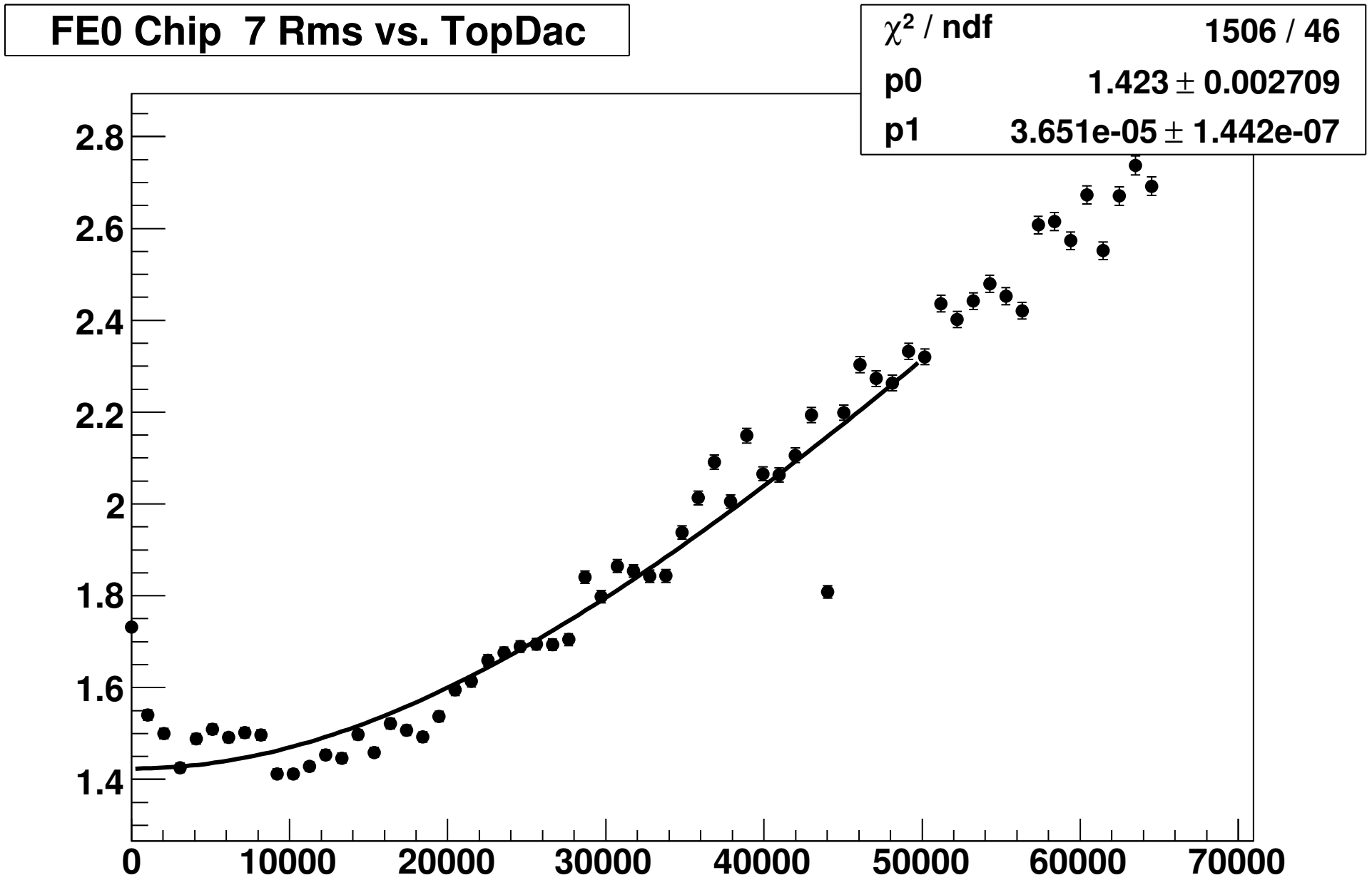
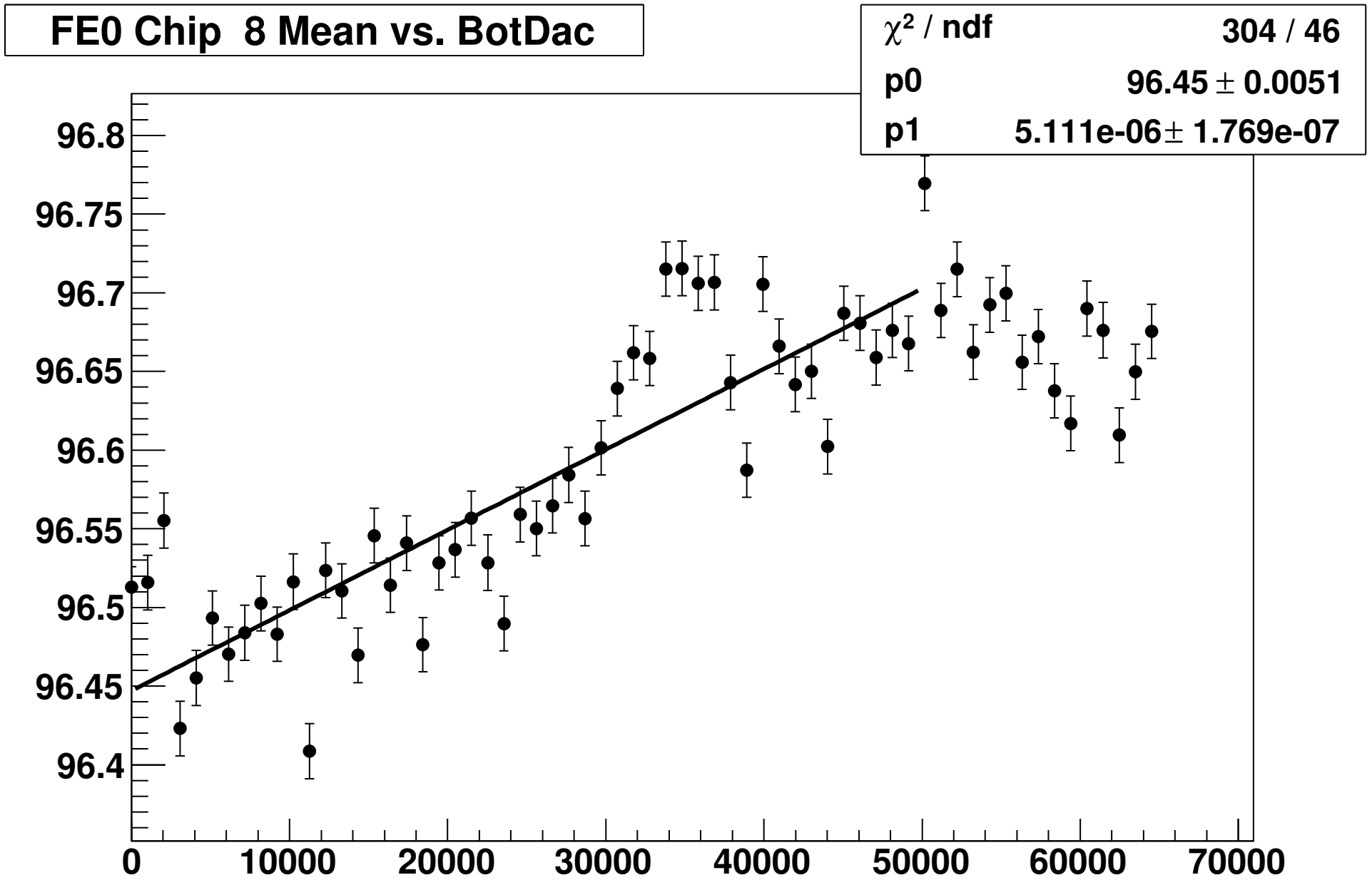
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1506 / 46
p0 1.423 ± 0.002709
p1 3.651e-05 ± 1.442e-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 8 Mean vs. BotDac
χ² / ndf 304 / 46
p0 96.45 ± 0.0051
p1 5.111e-06 ± 1.769e-07
96.8
96.75
96.7
96.65
96.6
96.55
96.5
96.45
96.4
0
10000
20000
30000
40000
50000
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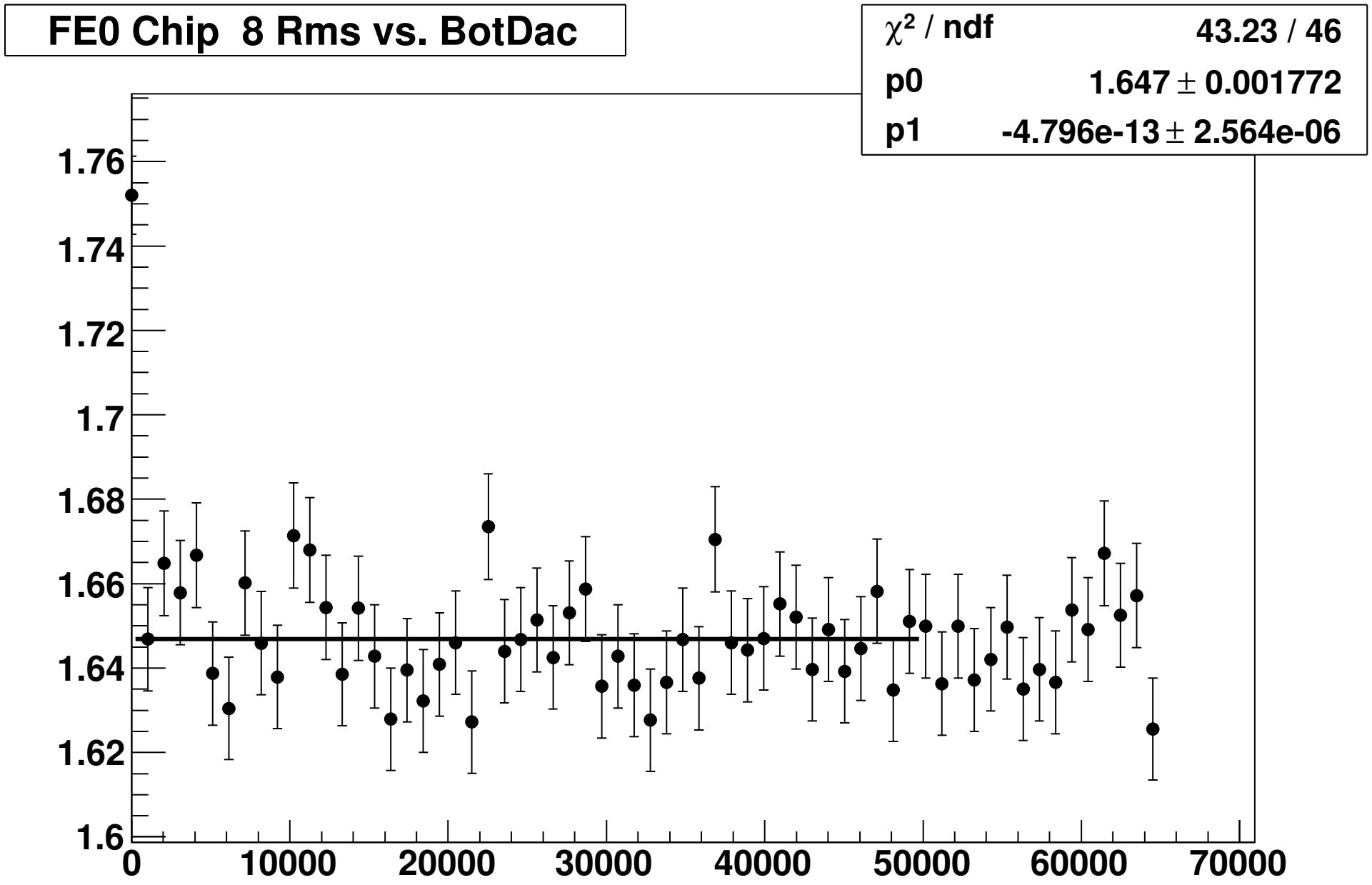
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 43.23 / 46
p0 1.647 ± 0.001772
p1 -4.796e-13 ± 2.564e-06
1.76
1.74
1.72
1.7
1.68
1.66
1.64
1.62
1.6
0
10000
20000
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60000
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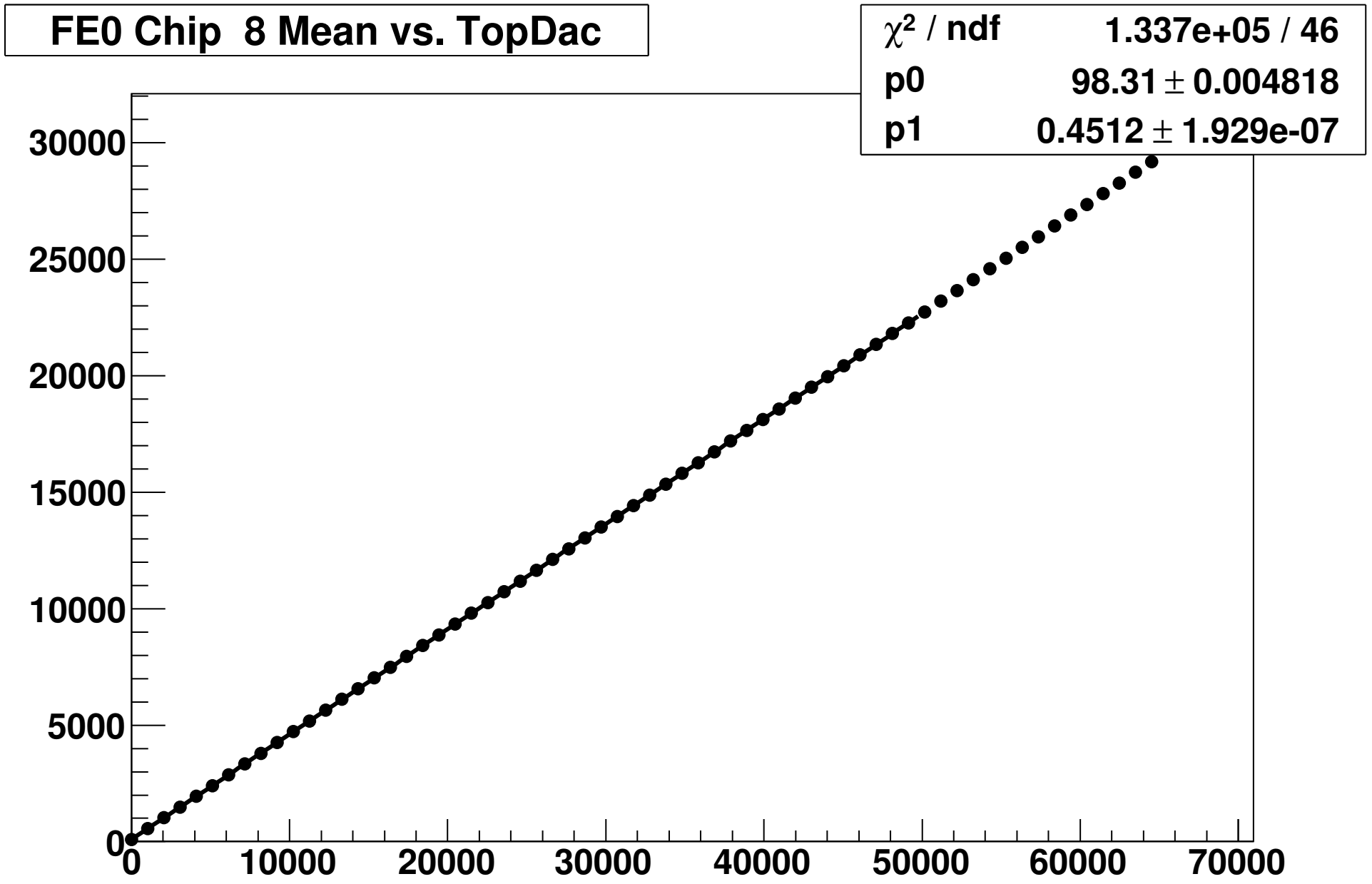
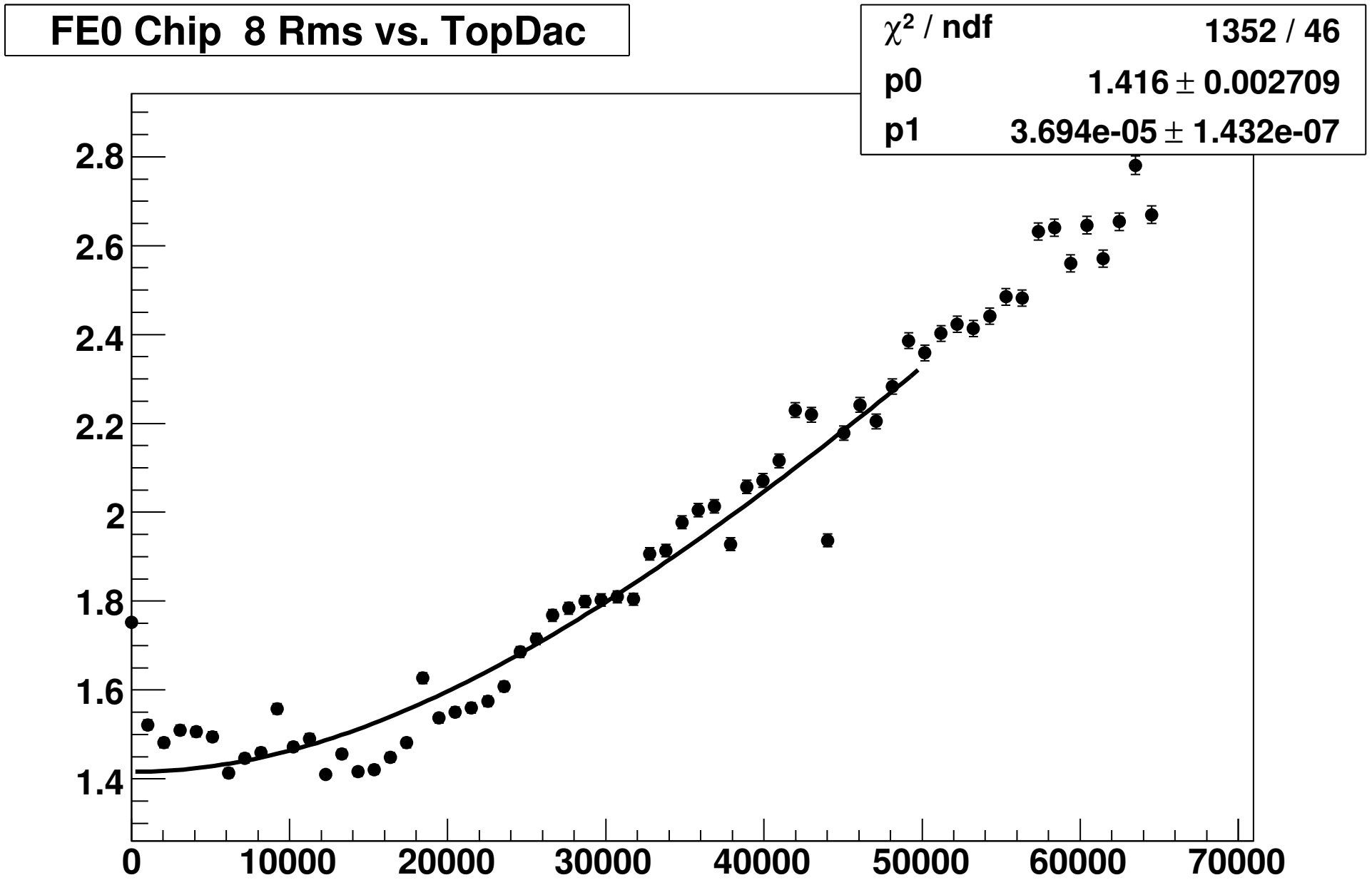

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.337e+05 / 46
p0 98.31 ± 0.004818
p1 0.4512 ± 1.929e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 1352 / 46
p0 1.416 ± 0.002709
p1 3.694e-05 ± 1.432e-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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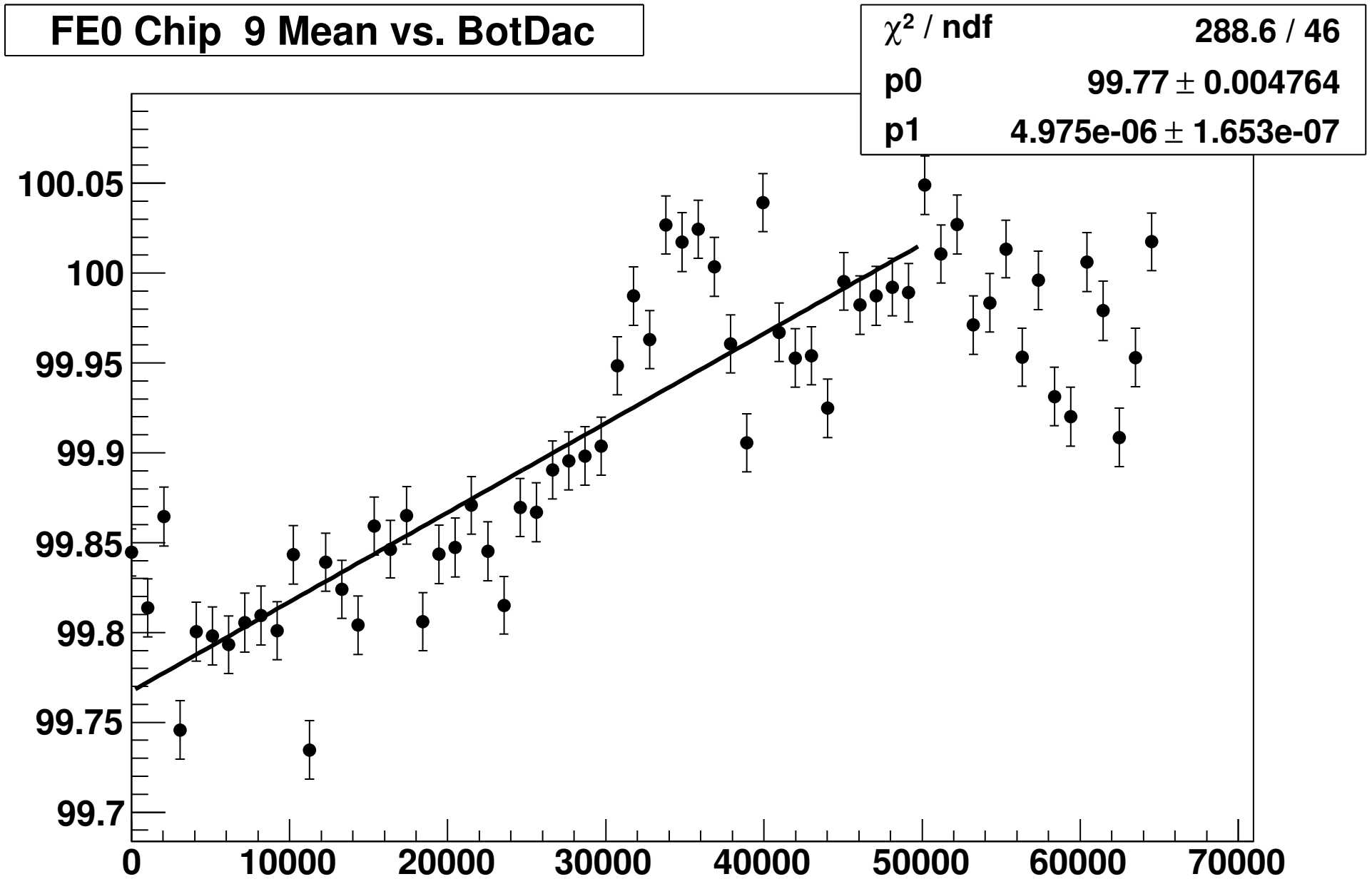
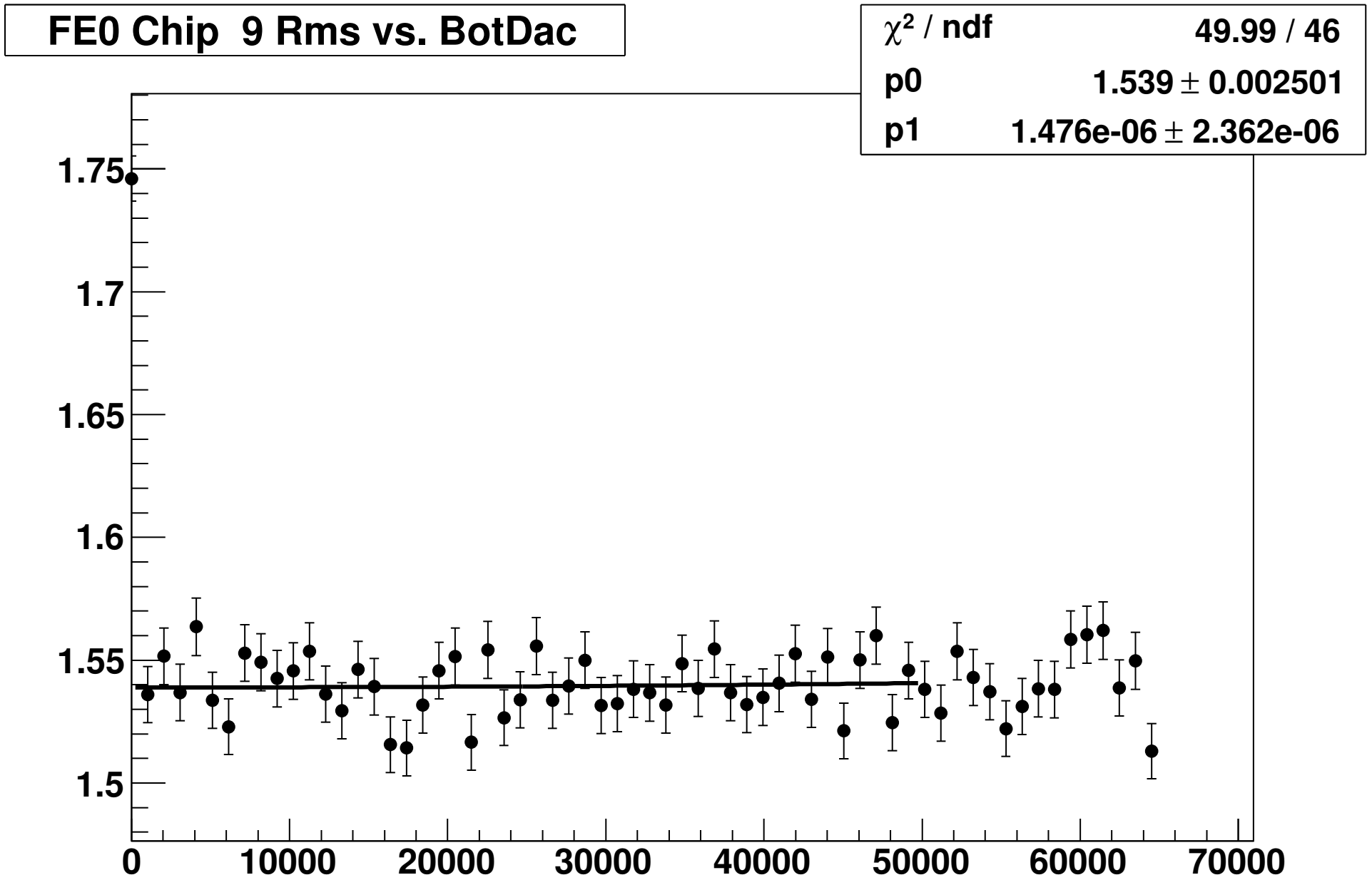

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 288.6 / 46
p0 99.77 ± 0.004764
p1 4.975e-06 ± 1.653e-07
100.05
100
99.95
99.9
99.85
99.8
99.75
99.7
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 49.99 / 46
p0 1.539 ± 0.002501
p1 1.476e-06 ± 2.362e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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50000
60000
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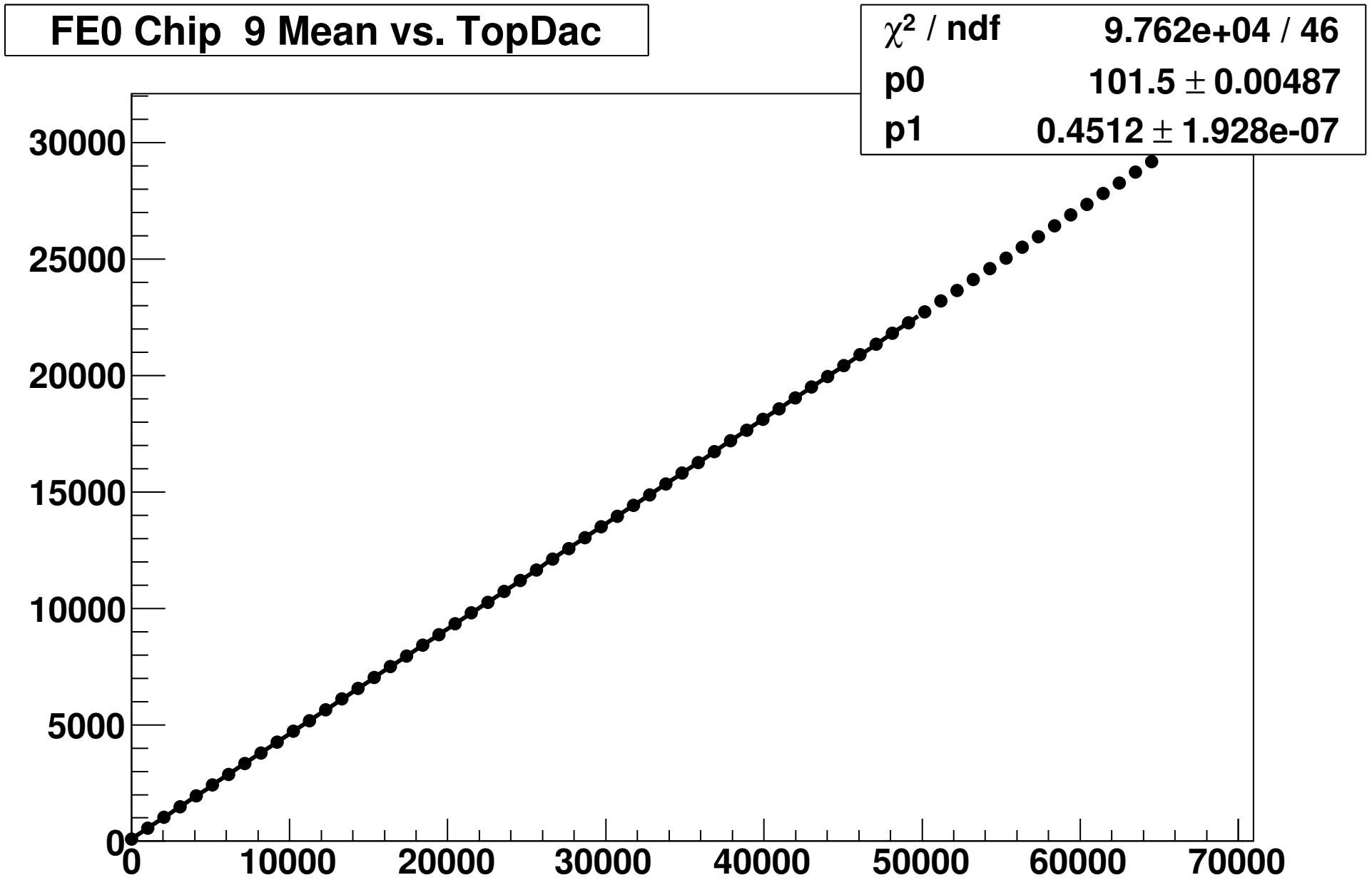
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 9.762e+04 / 46
p0 101.5 ± 0.00487
p1 0.4512 ± 1.928e-07
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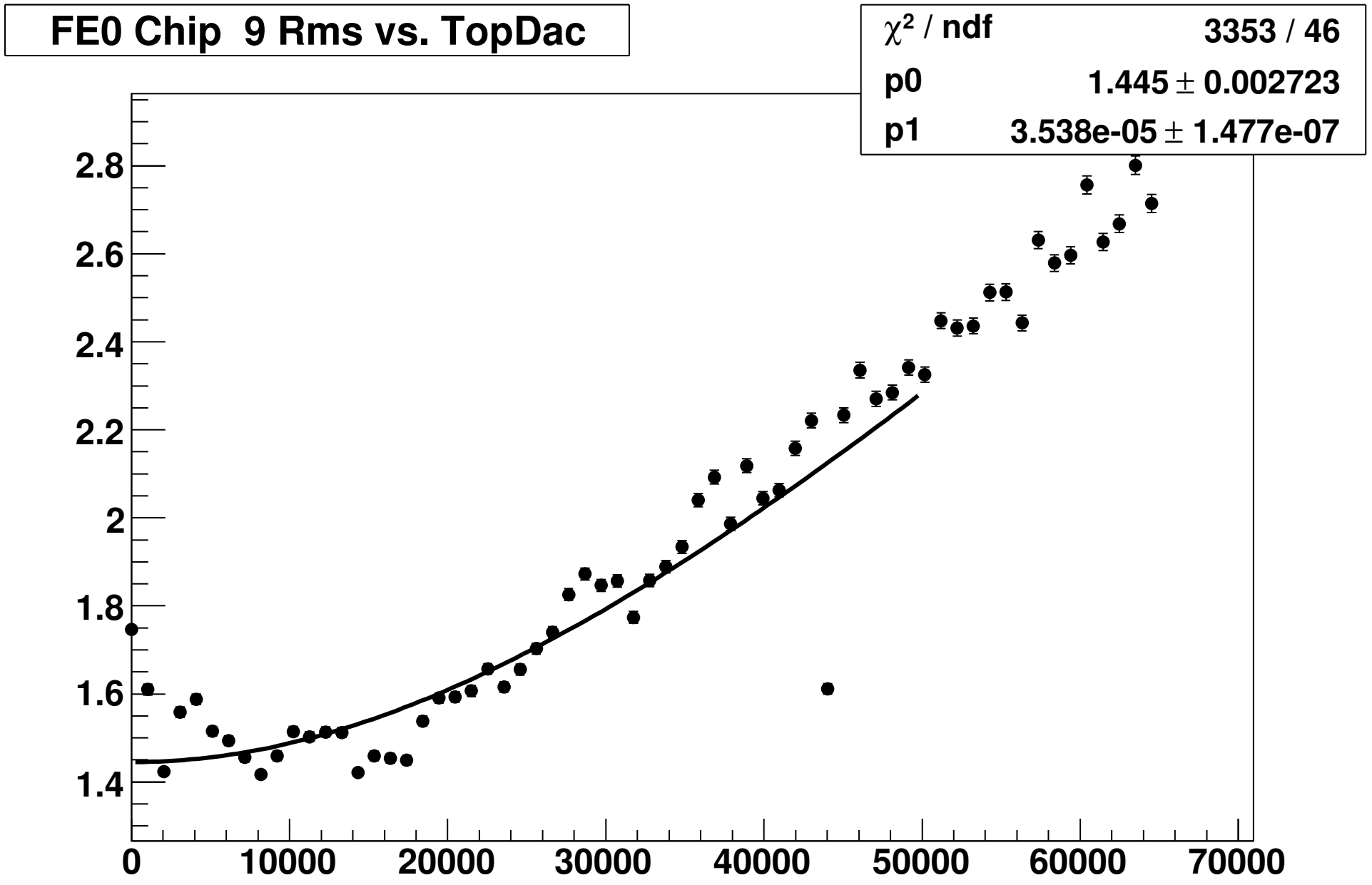
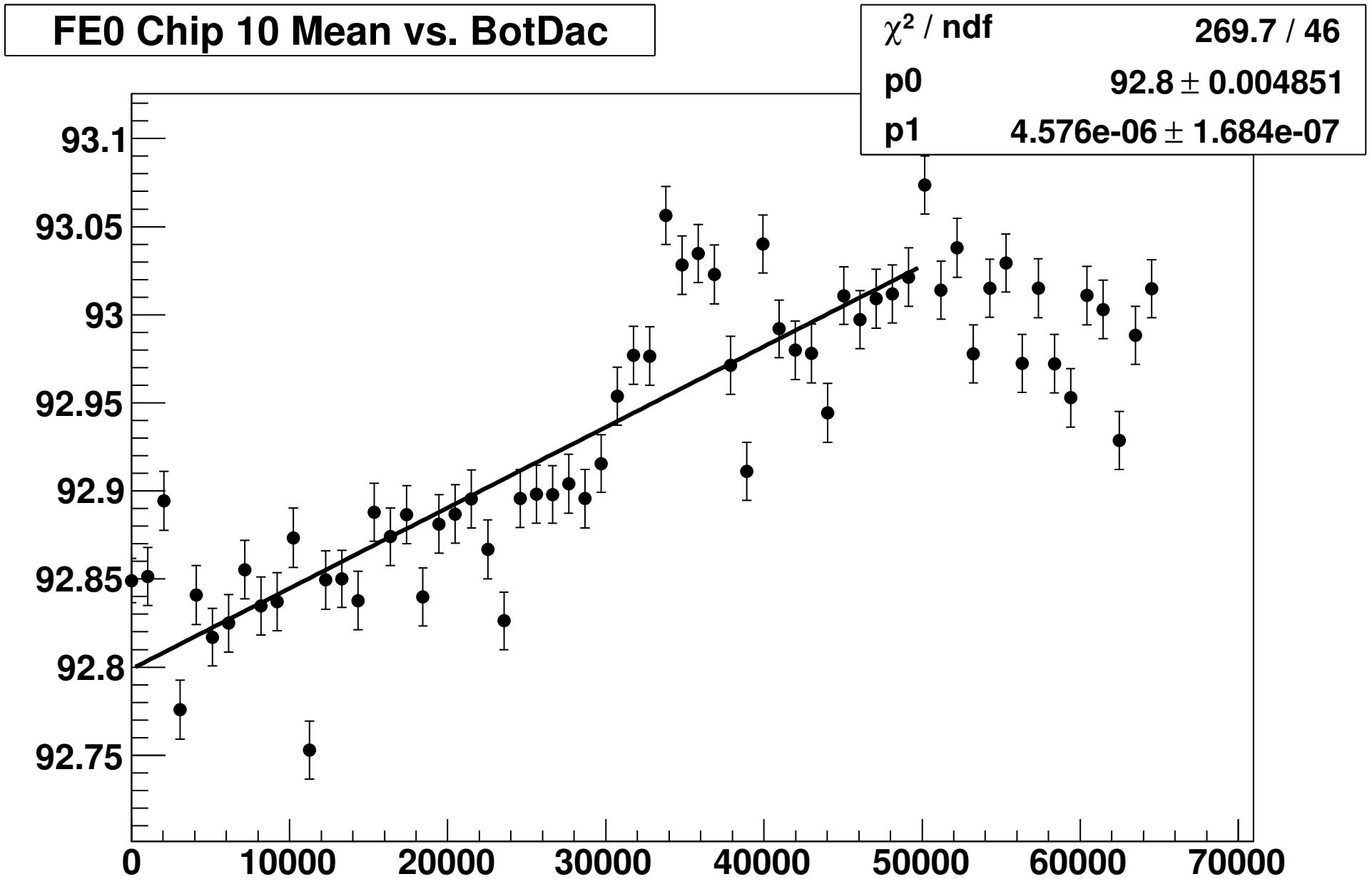
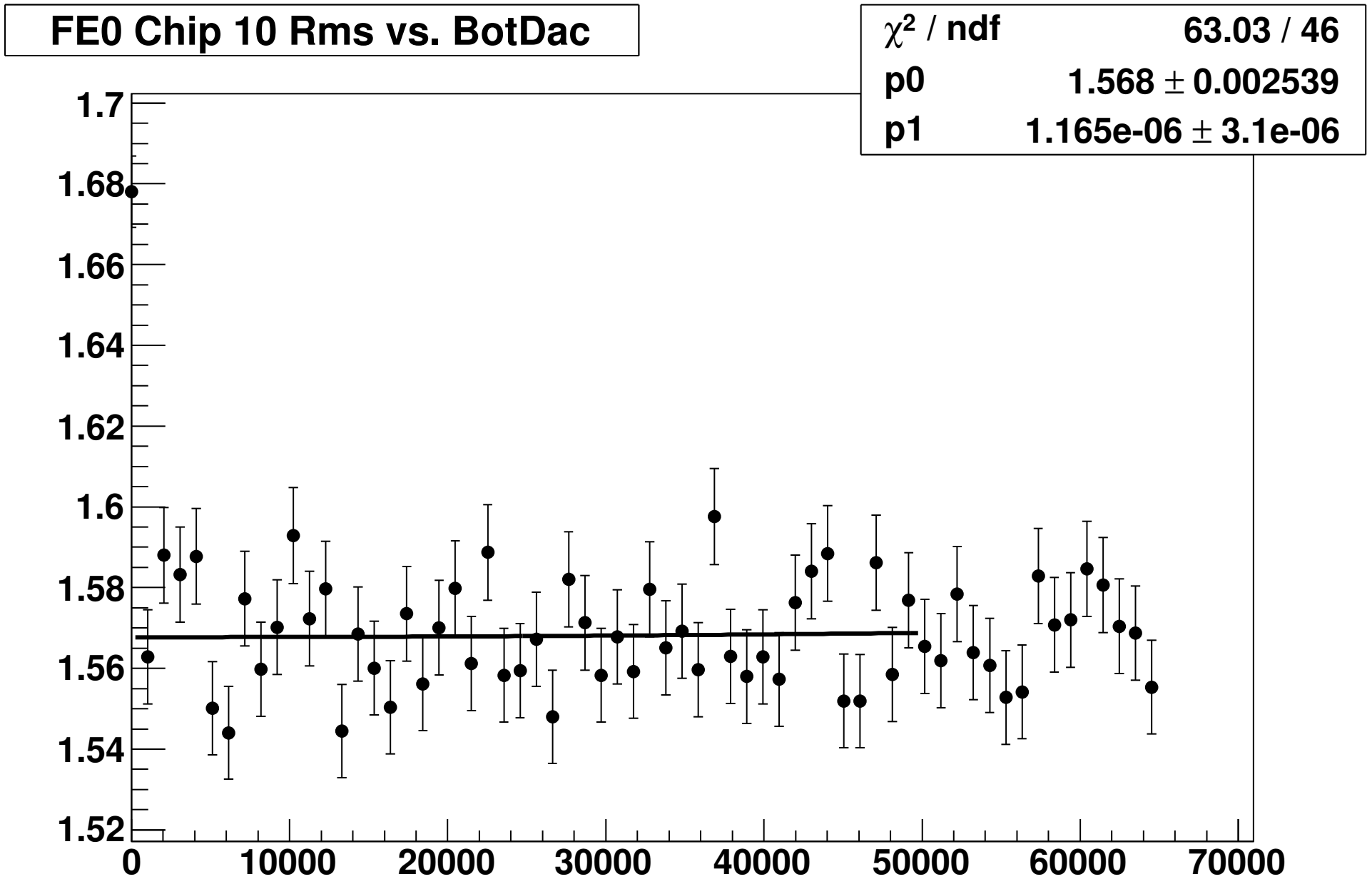
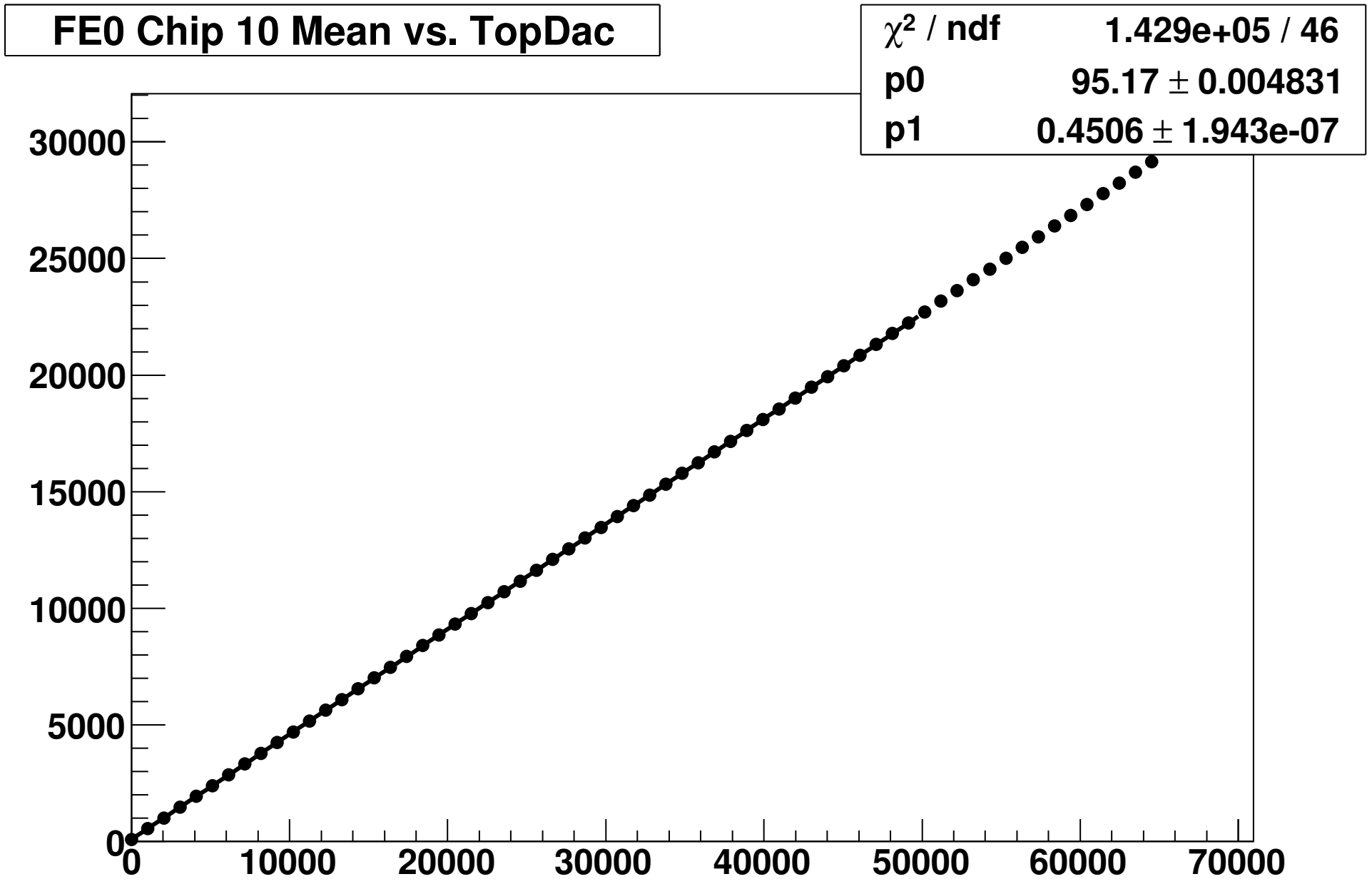
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 3353 / 46
p0 1.445 ± 0.002723
p1 3.538e-05 ± 1.477e-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 10 Mean vs. BotDac
χ² / ndf 269.7 / 46
p0 92.8 ± 0.004851
p1 4.576e-06 ± 1.684e-07
93.1
93.05
93
92.95
92.9
92.85
92.8
92.75
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 63.03 / 46
p0 1.568 ± 0.002539
p1 1.165e-06 ± 3.1e-06
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.429e+05 / 46
p0 95.17 ± 0.004831
p1 0.4506 ± 1.943e-07
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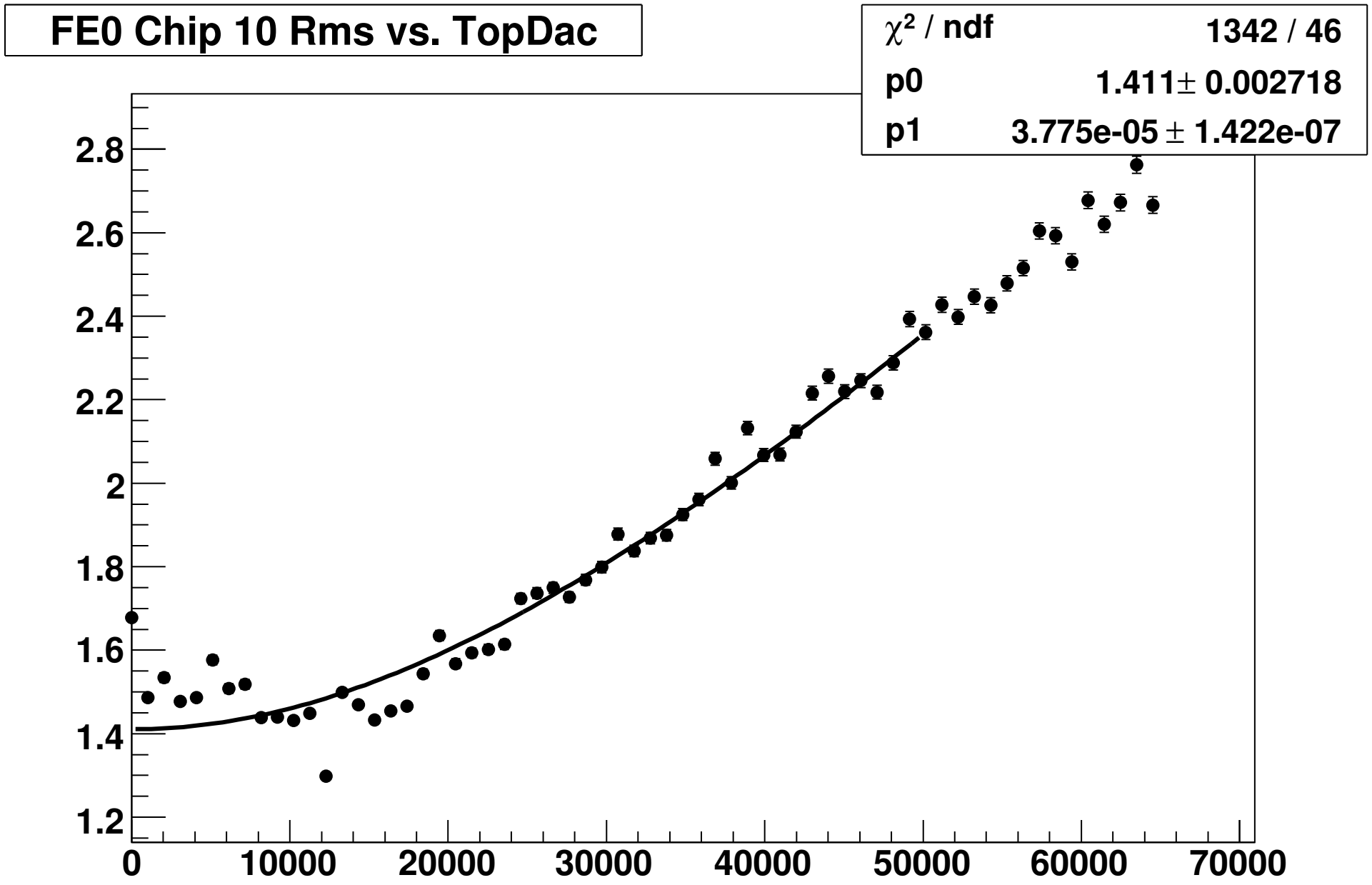
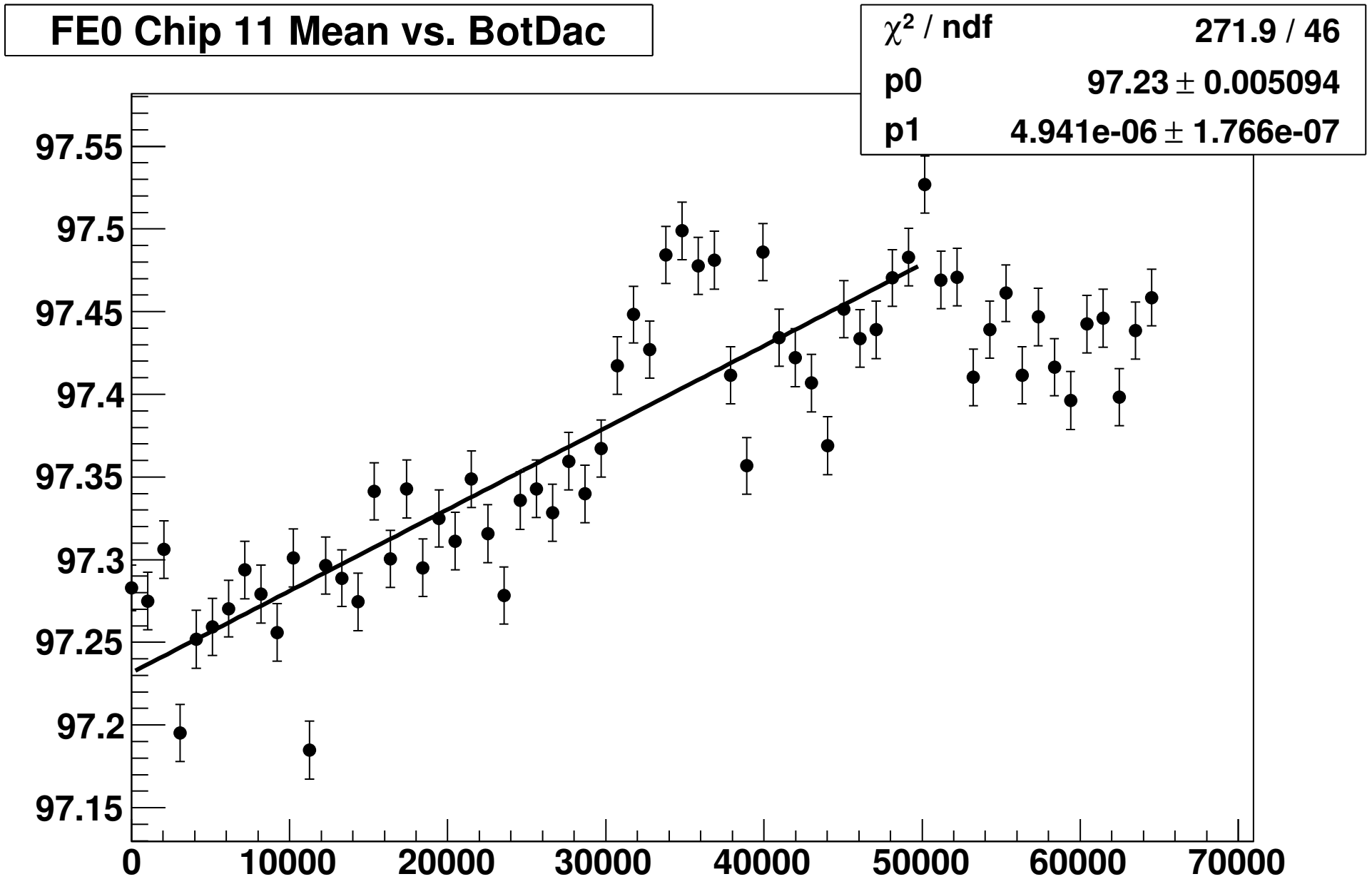
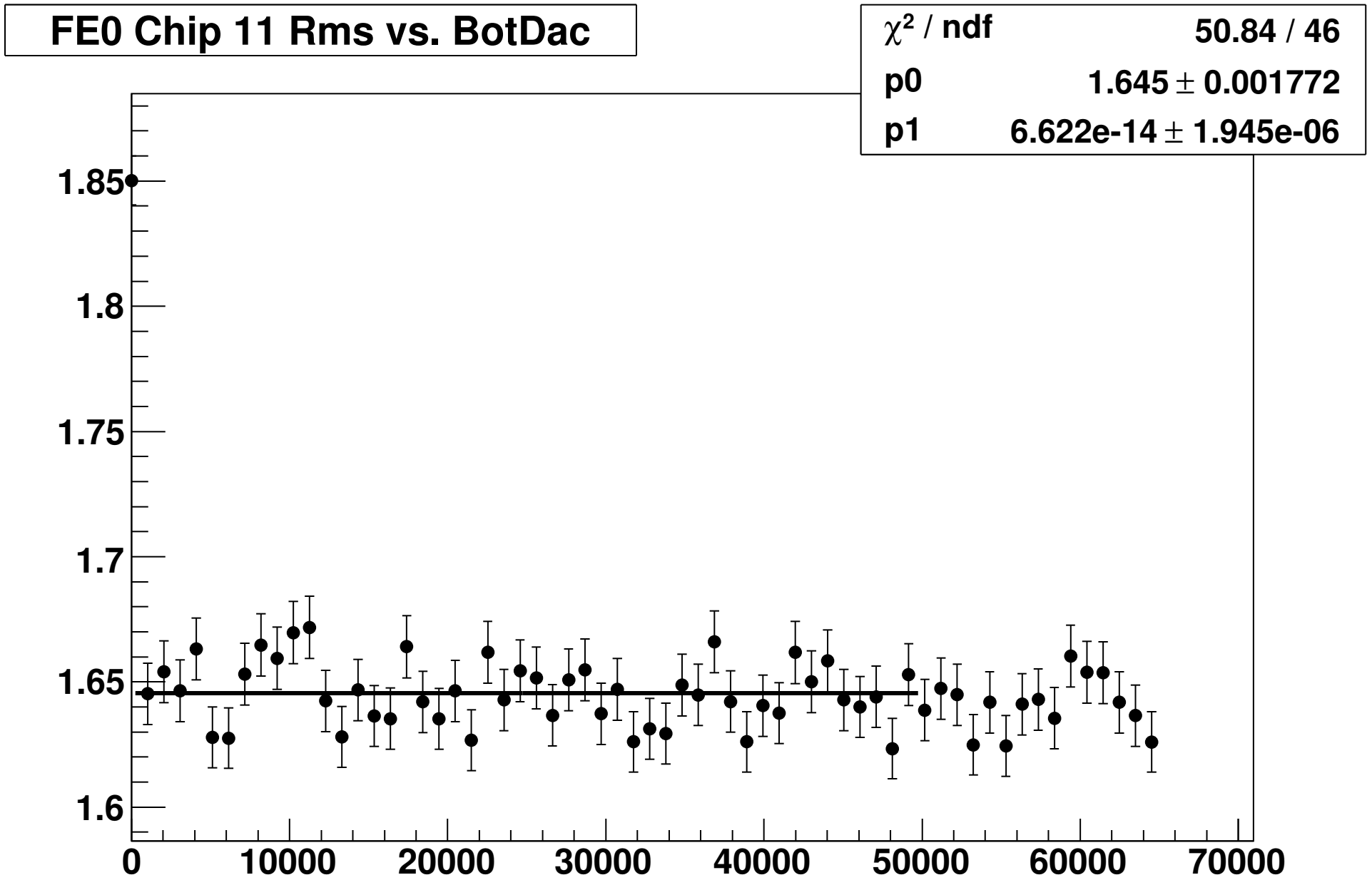
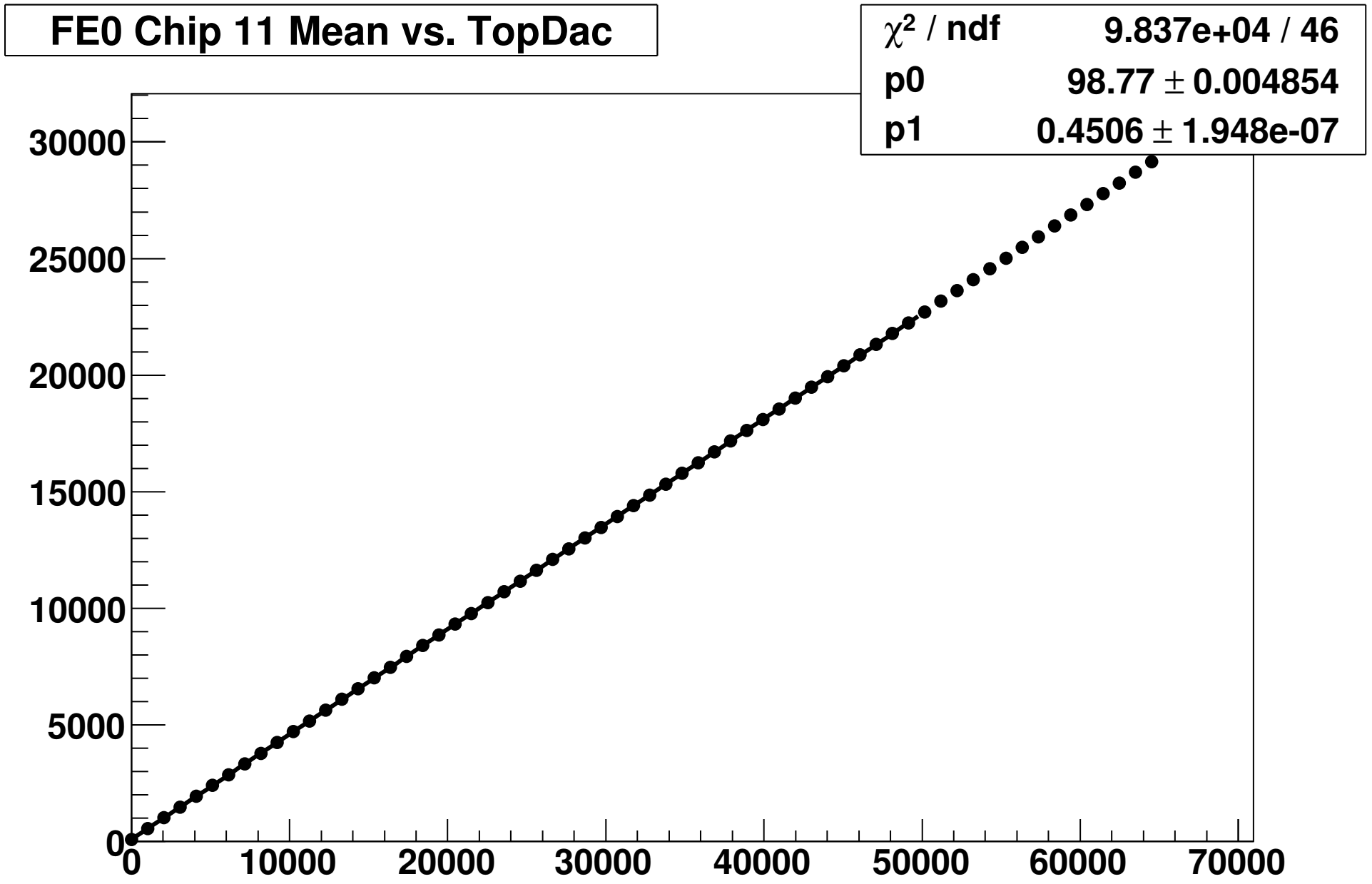
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1342 / 46
p0 1.411 ± 0.002718
p1 3.775e-05 ± 1.422e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 271.9 / 46
p0 97.23 ± 0.005094
p1 4.941e-06 ± 1.766e-07
97.55
97.5
97.45
97.4
97.35
97.3
97.25
97.2
97.15
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 50.84 / 46
p0 1.645 ± 0.001772
p1 6.622e-14 ± 1.945e-06
1.85
1.8
1.75
1.7
1.65
1.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 9.837e+04 / 46
p0 98.77 ± 0.004854
p1 0.4506 ± 1.948e-07
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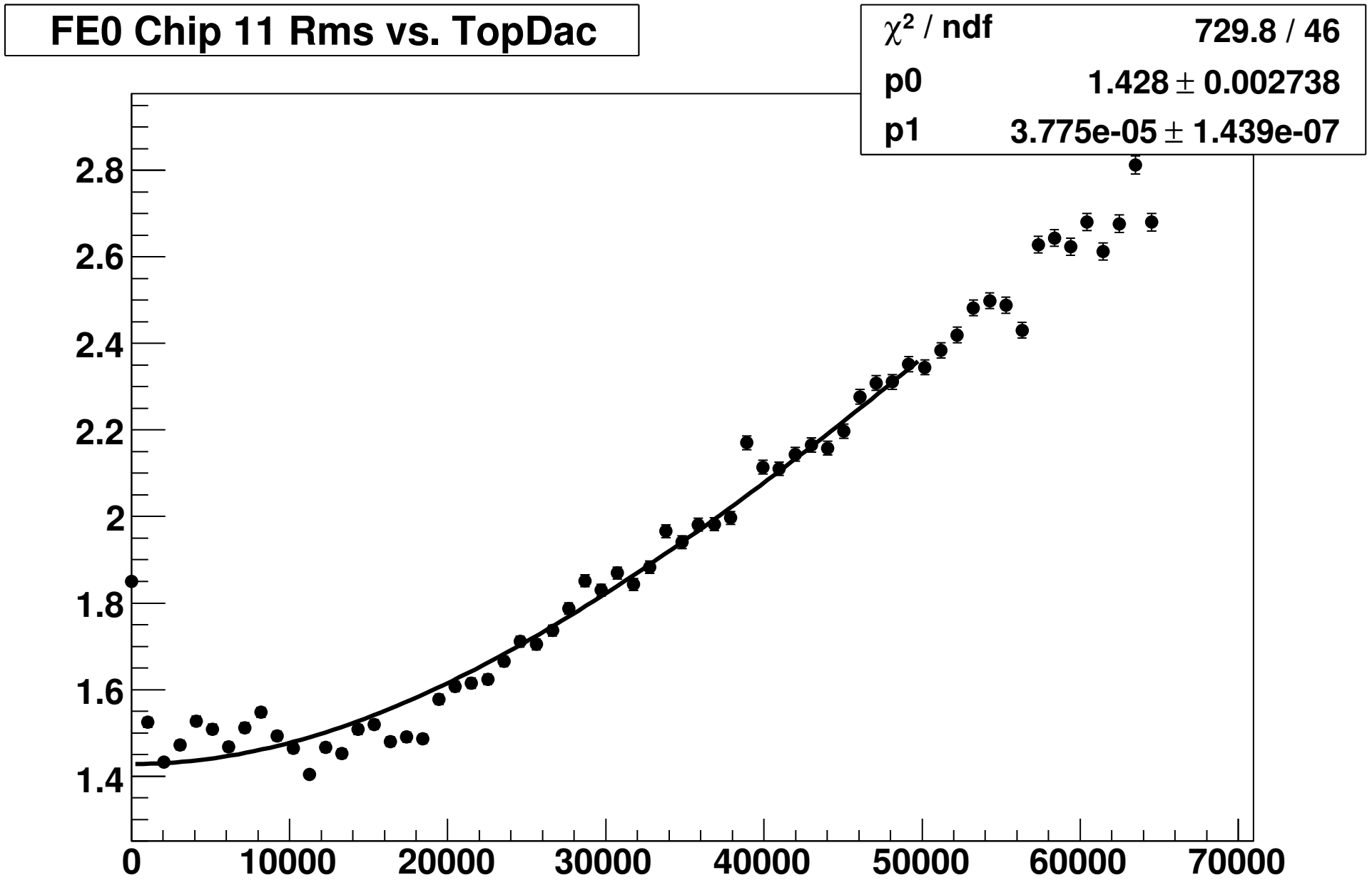
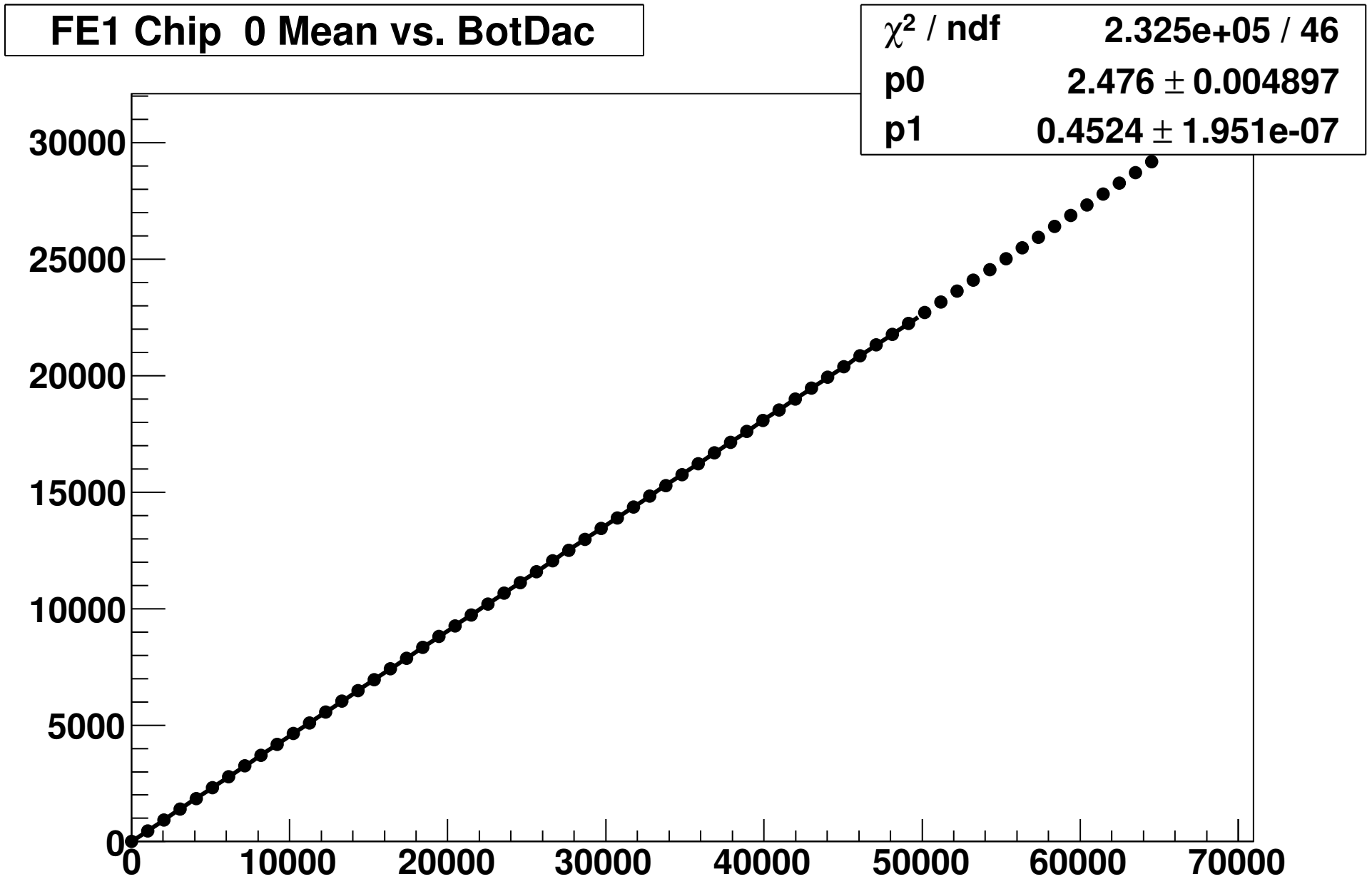
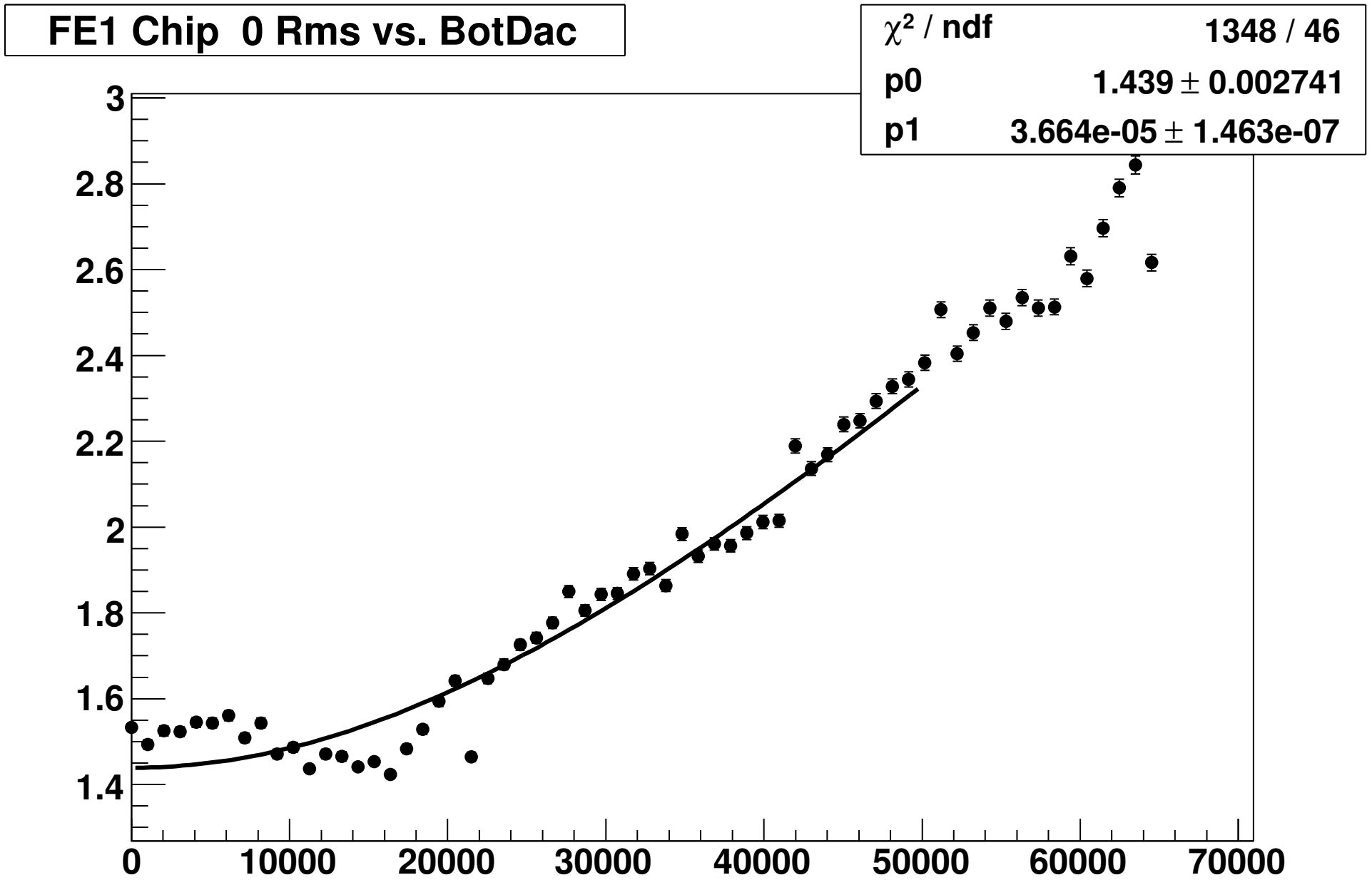
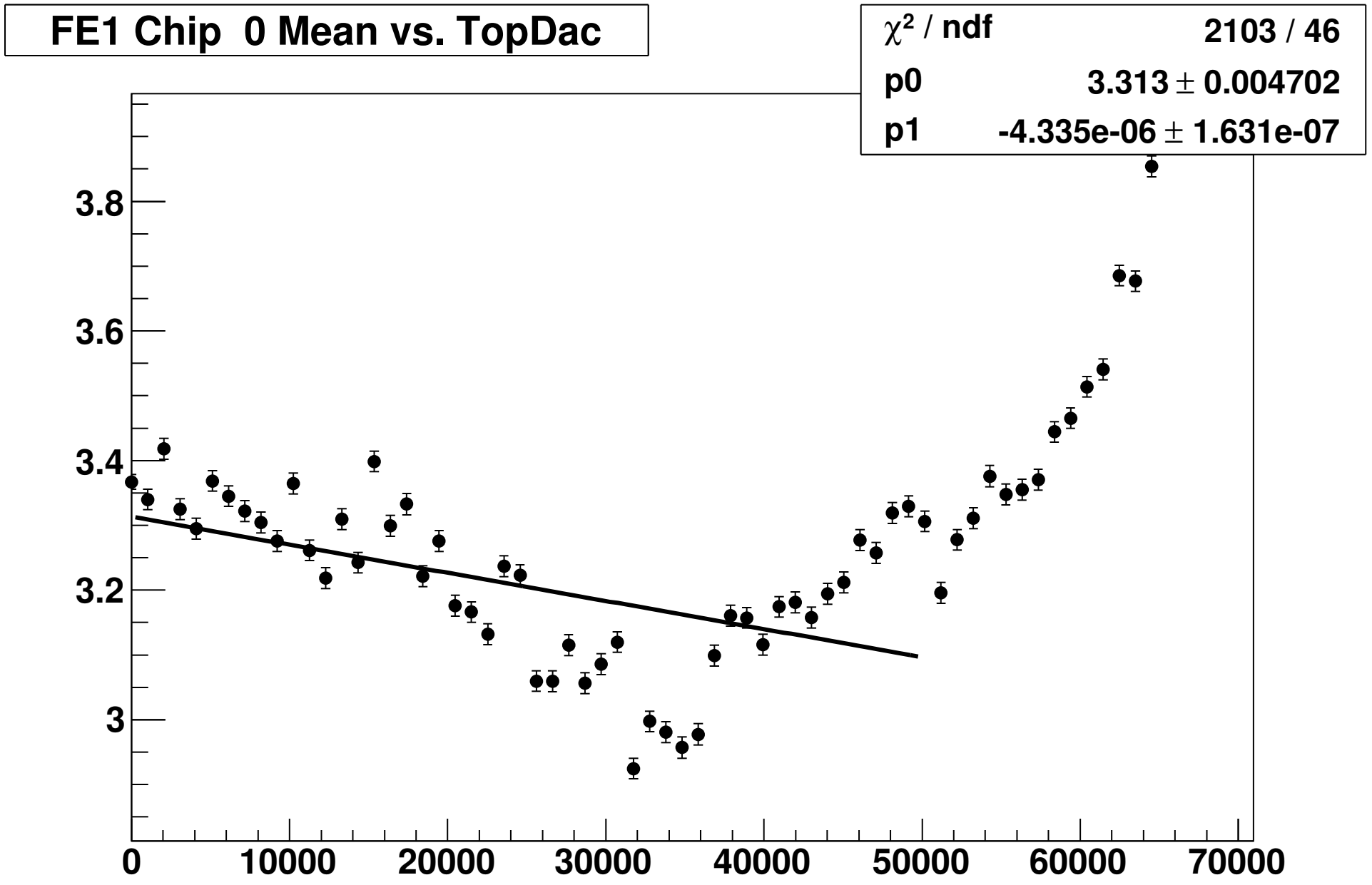
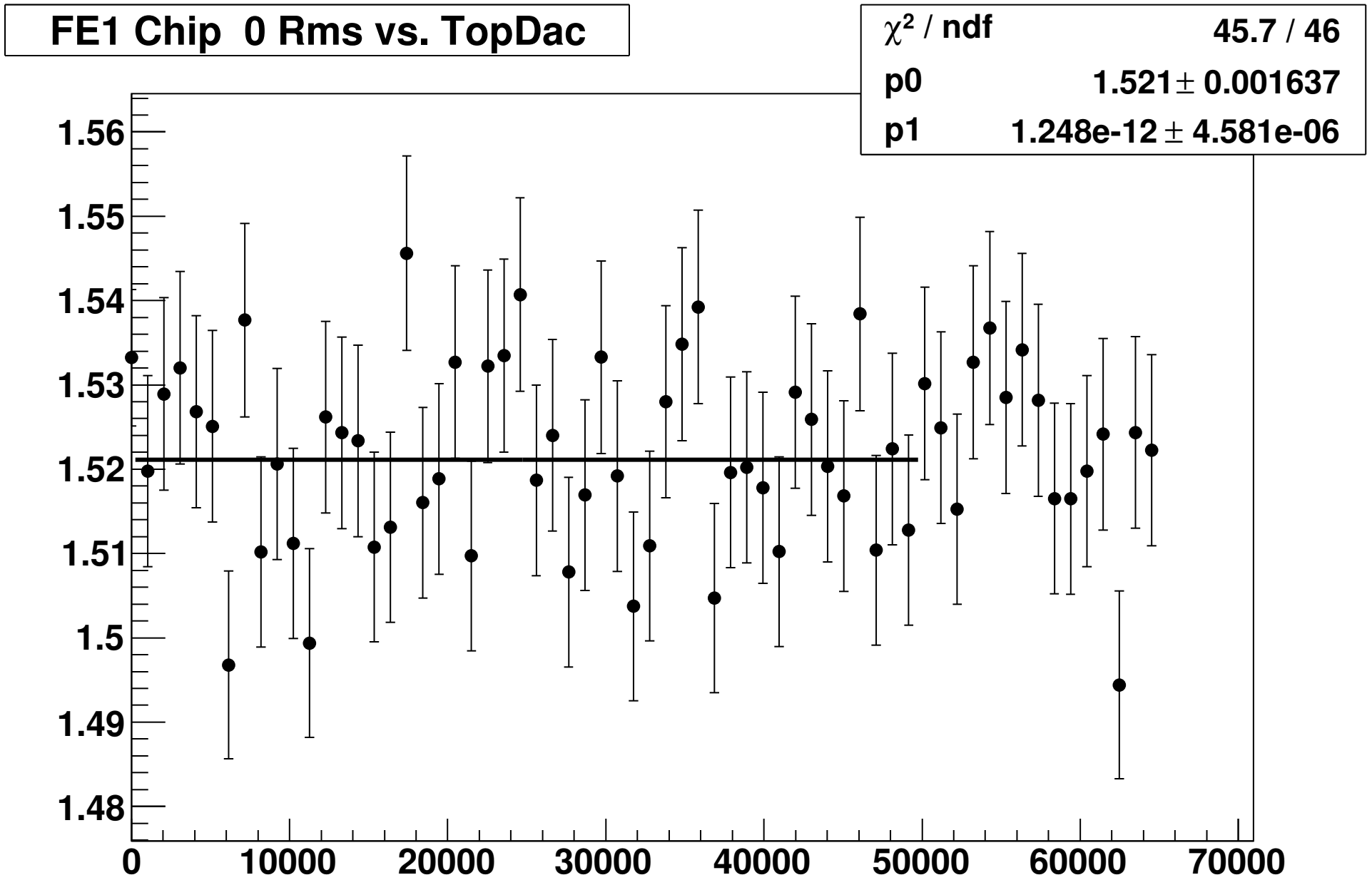
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 729.8 / 46
p0 1.428 ± 0.002738
p1 3.775e-05 ± 1.439e-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. BotDac
χ² / ndf 2.325e+05 / 46
p0 2.476 ± 0.004897
p1 0.4524 ± 1.951e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1348 / 46
p0 1.439 ± 0.002741
p1 3.664e-05 ± 1.463e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 2103 / 46
p0 3.313 ± 0.004702
p1 -4.335e-06 ± 1.631e-07
3.8
3.6
3.4
3.2
3
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 45.7 / 46
p0 1.521 ± 0.001637
p1 1.248e-12 ± 4.581e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
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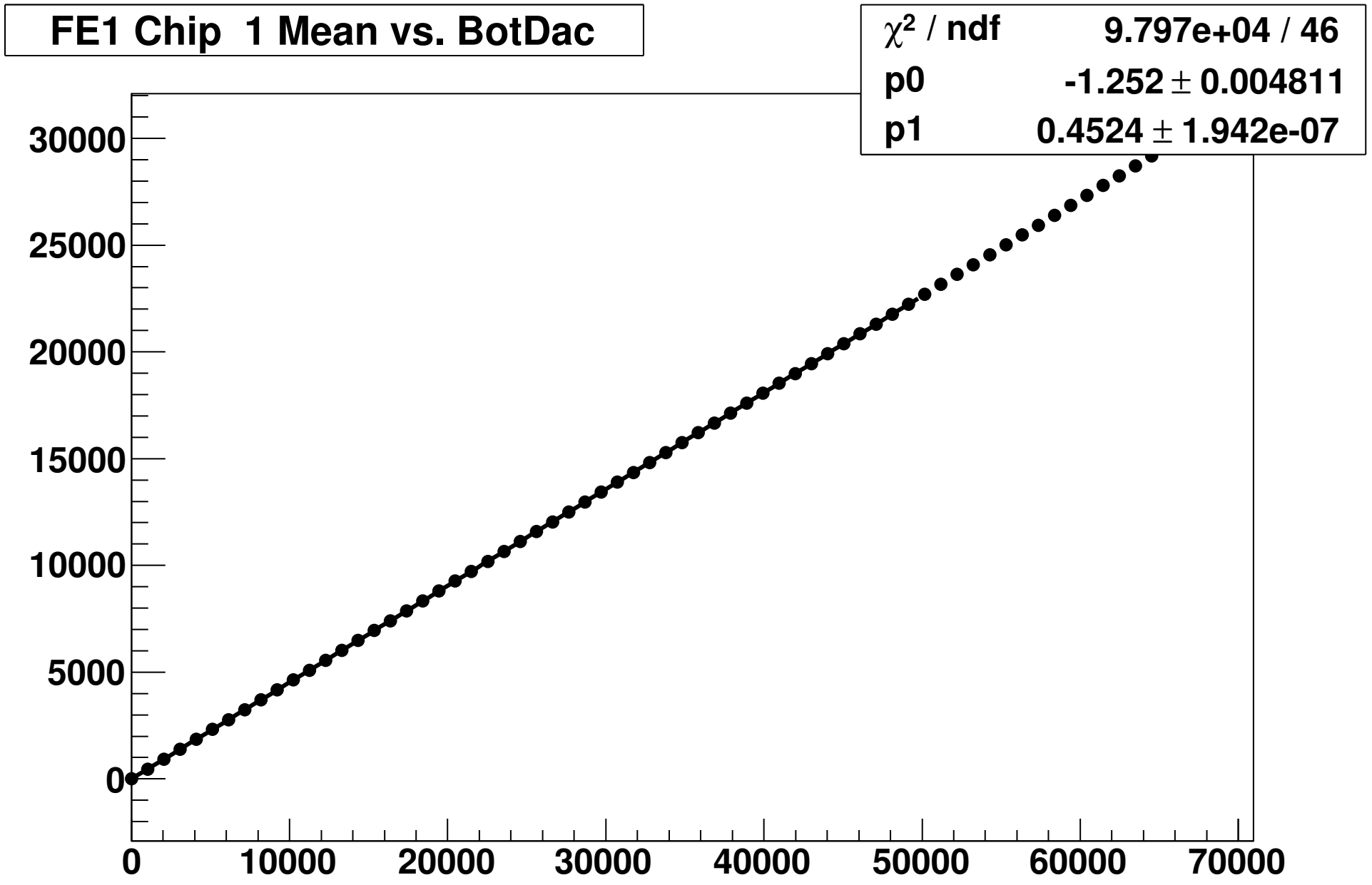
FE1 Chip 1 Mean vs. BotDac
χ² / ndf 9.797e+04 / 46
p0 -1.252 ± 0.004811
p1 0.4524 ± 1.942e-07
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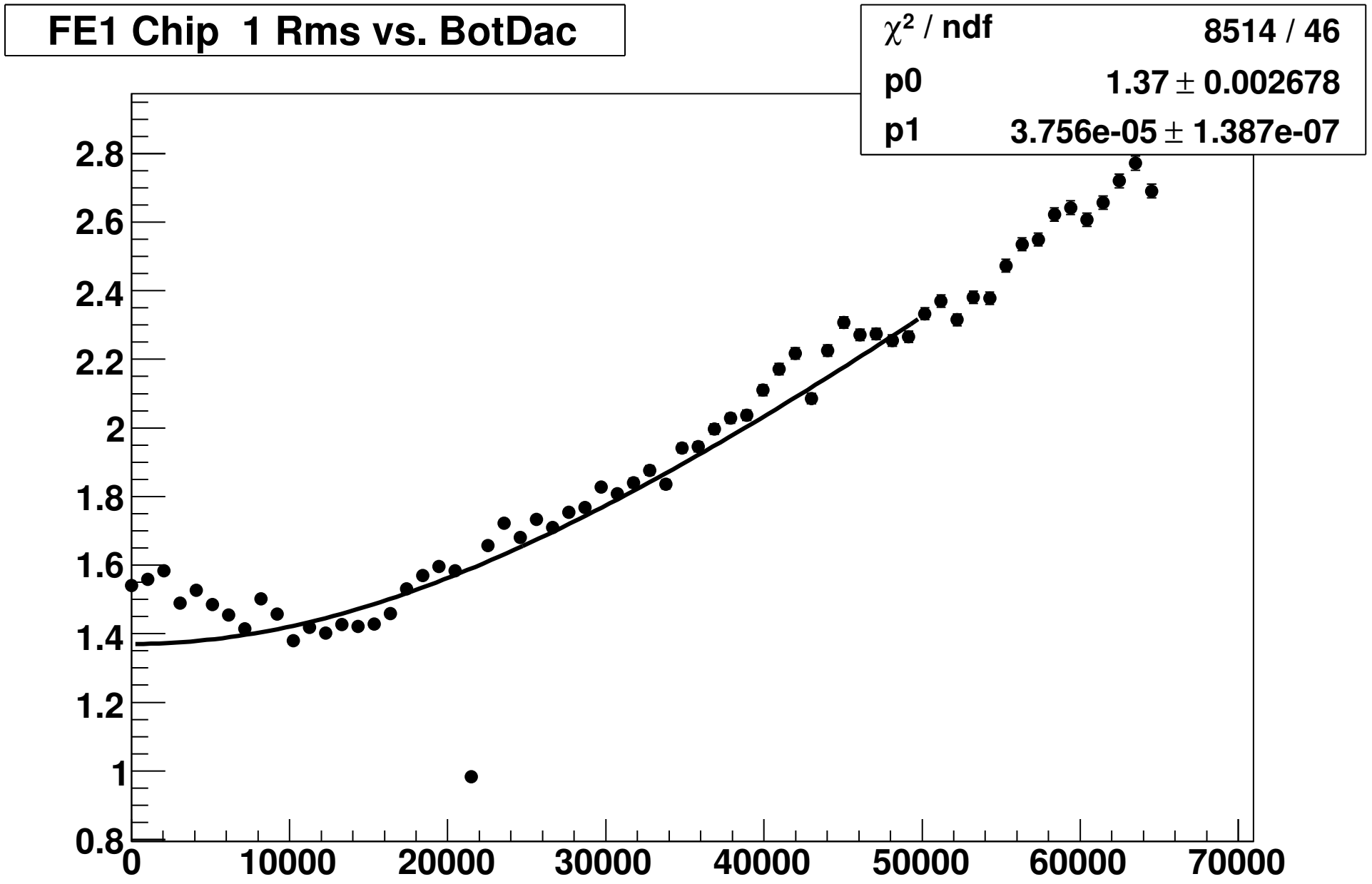
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 8514 / 46
p0 1.37 ± 0.002678
p1 3.756e-05 ± 1.387e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
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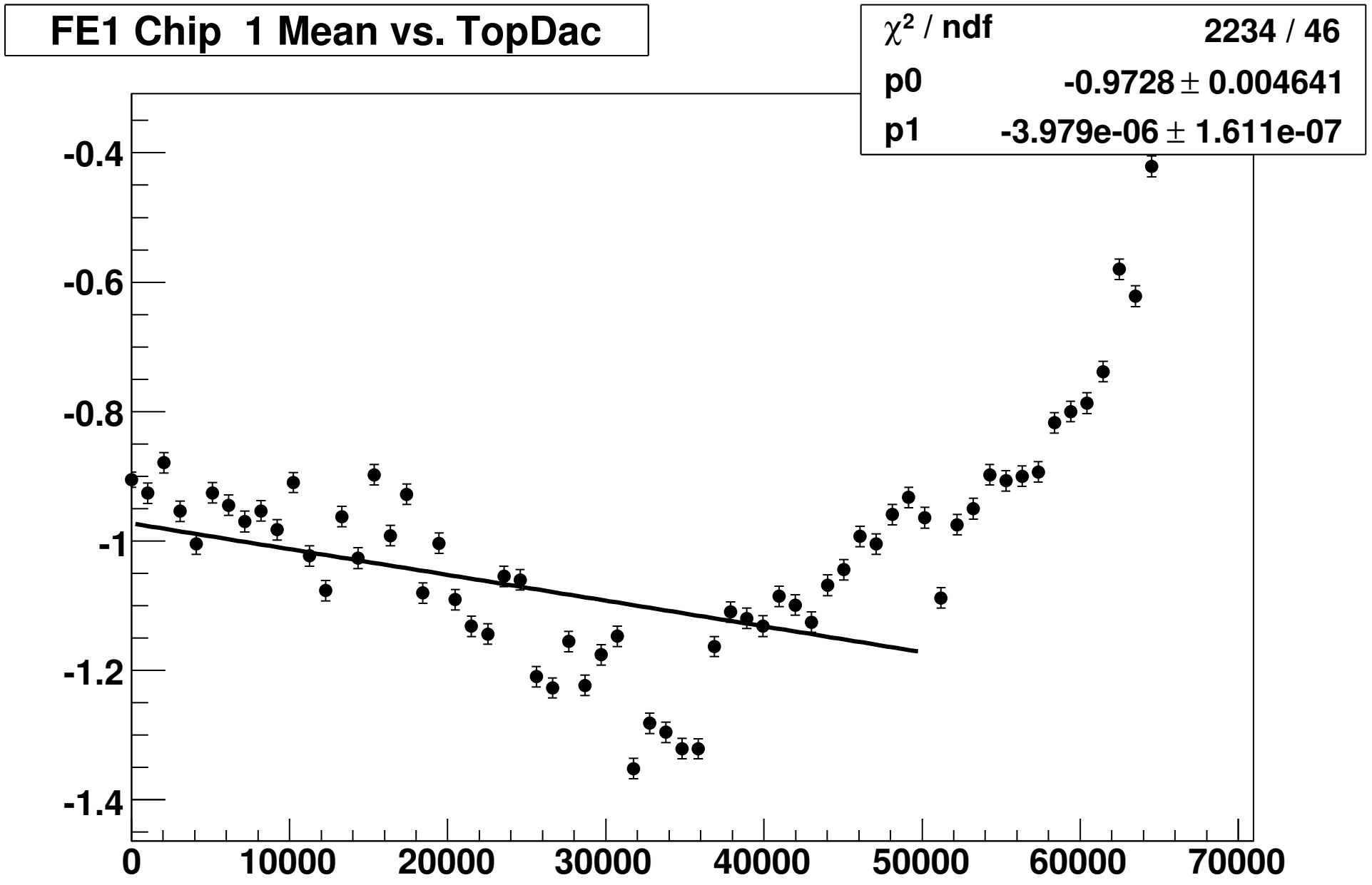
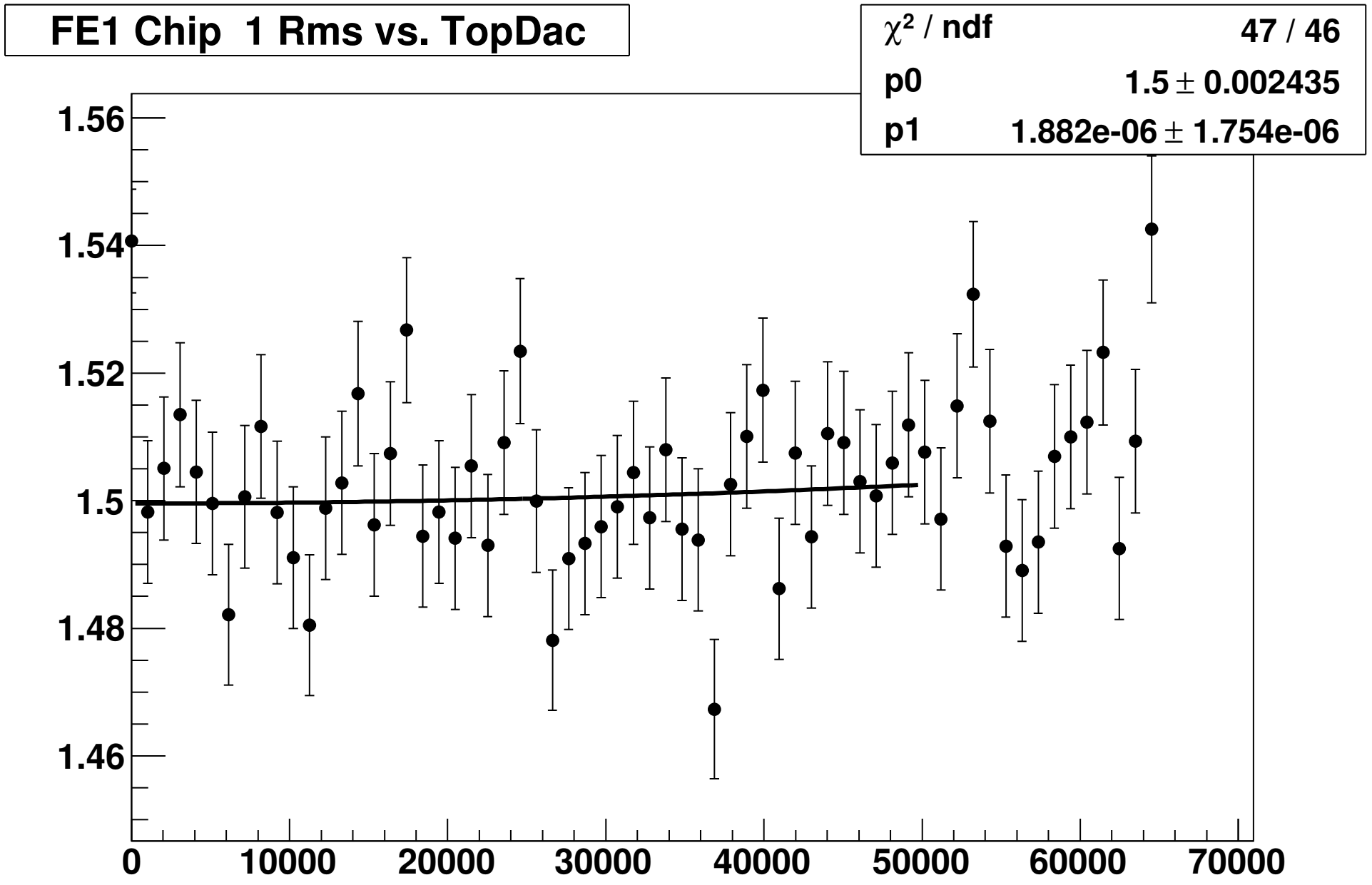
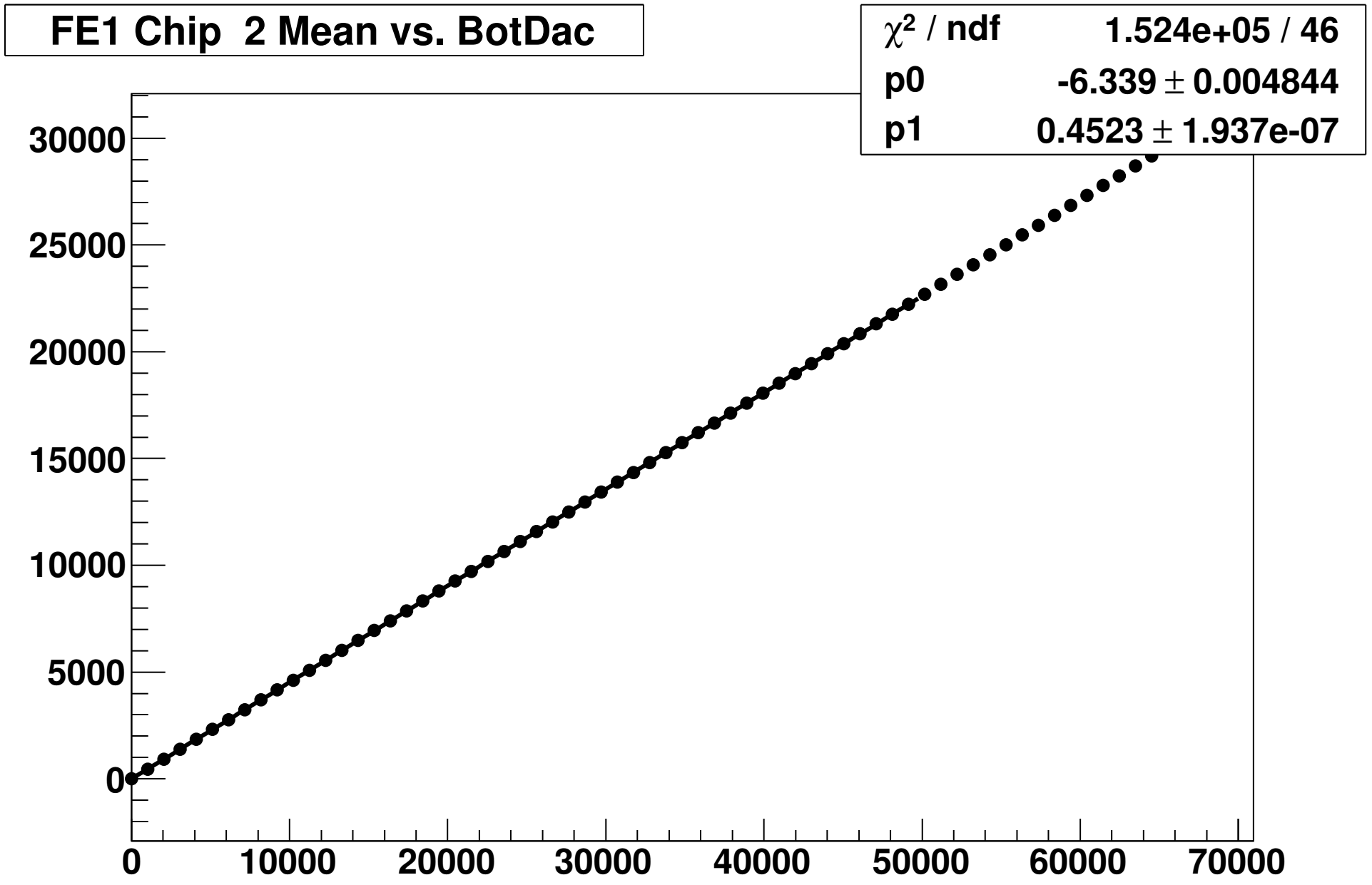
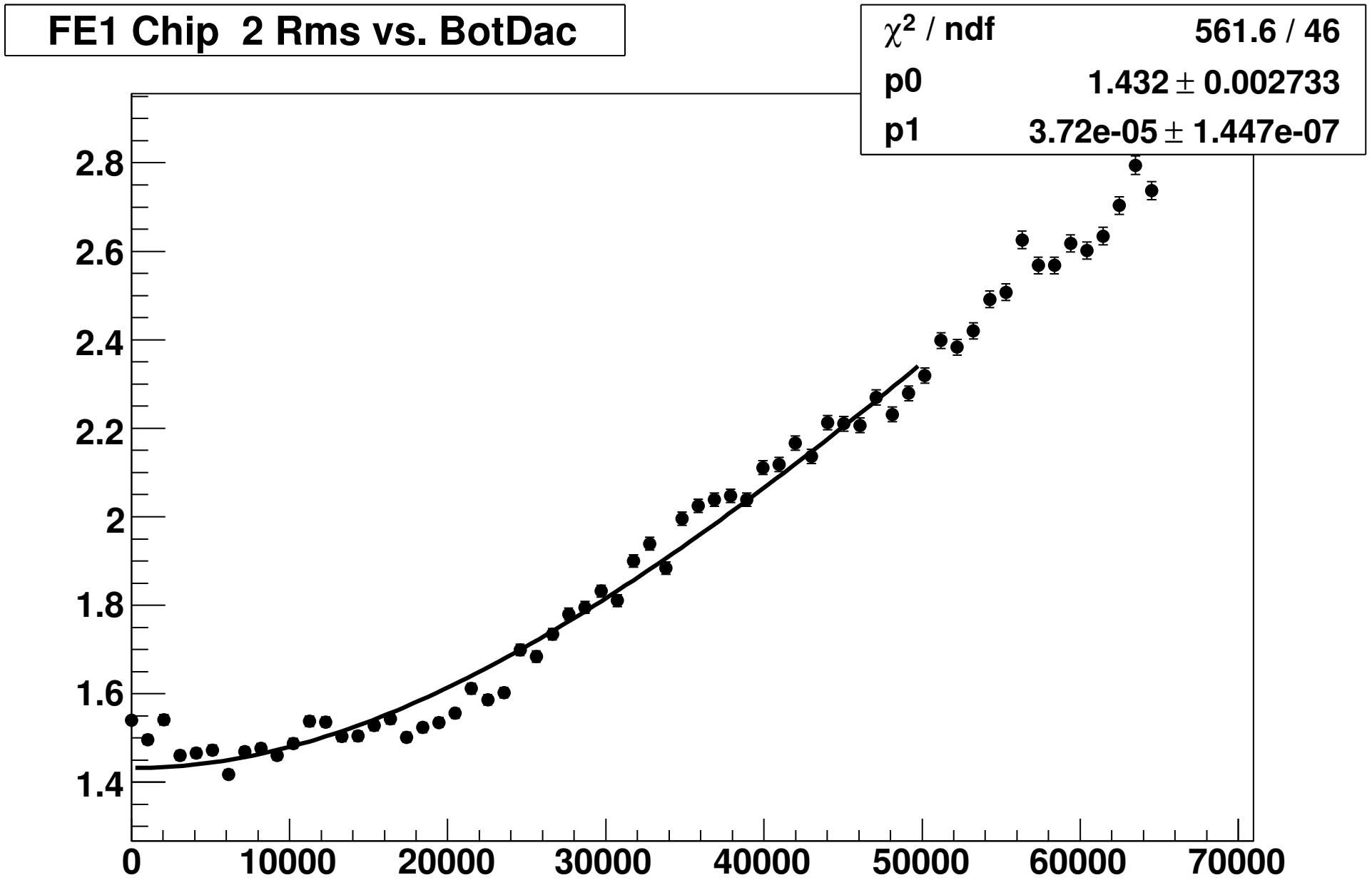
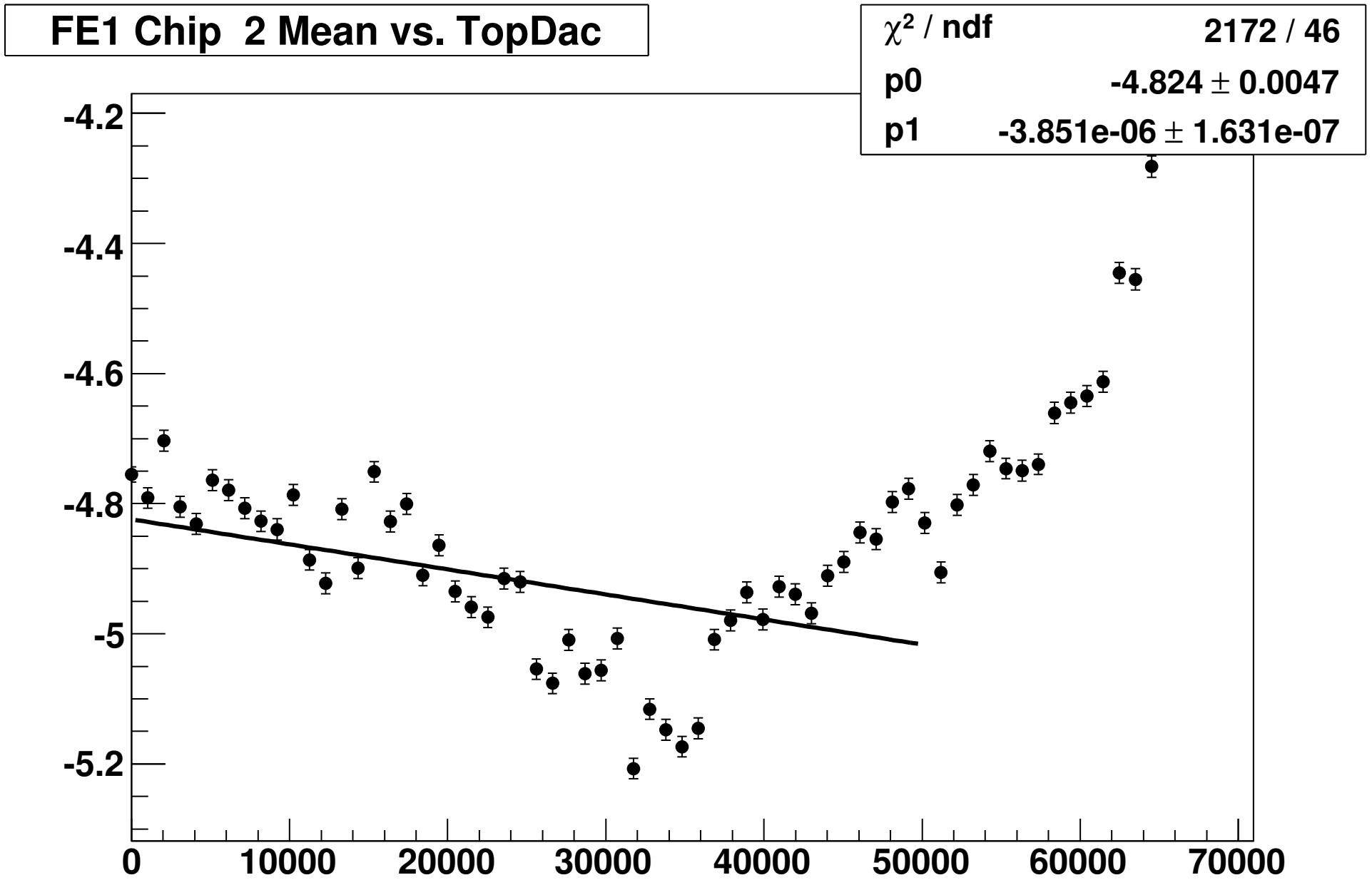
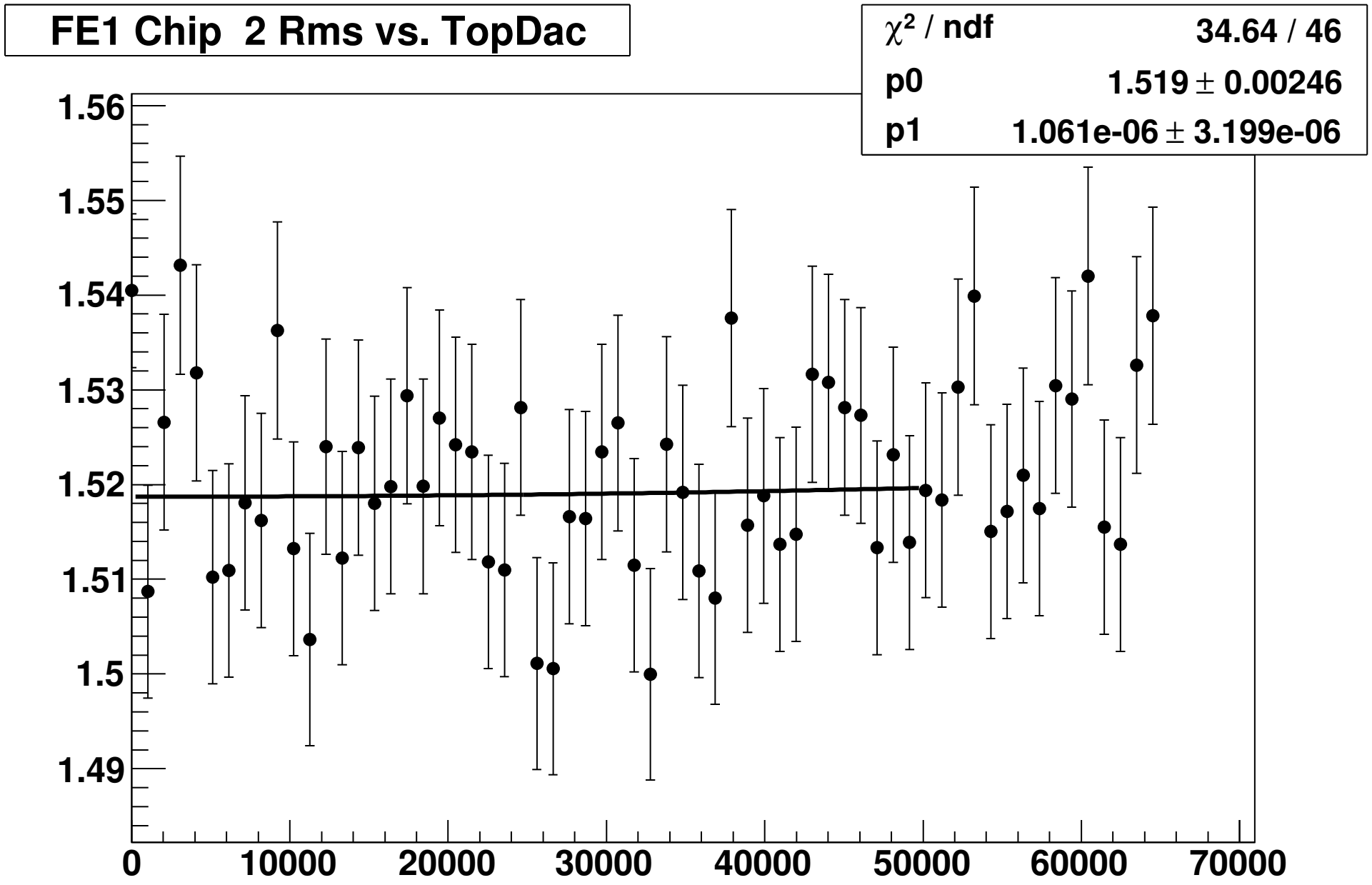

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 2234 / 46
p0 -0.9728 ± 0.004641
p1 -3.979e-06 ± 1.611e-07
-0.4
-0.6
-0.8
-1
-1.2
-1.4
0
10000
20000
30000
40000
50000
60000
70000

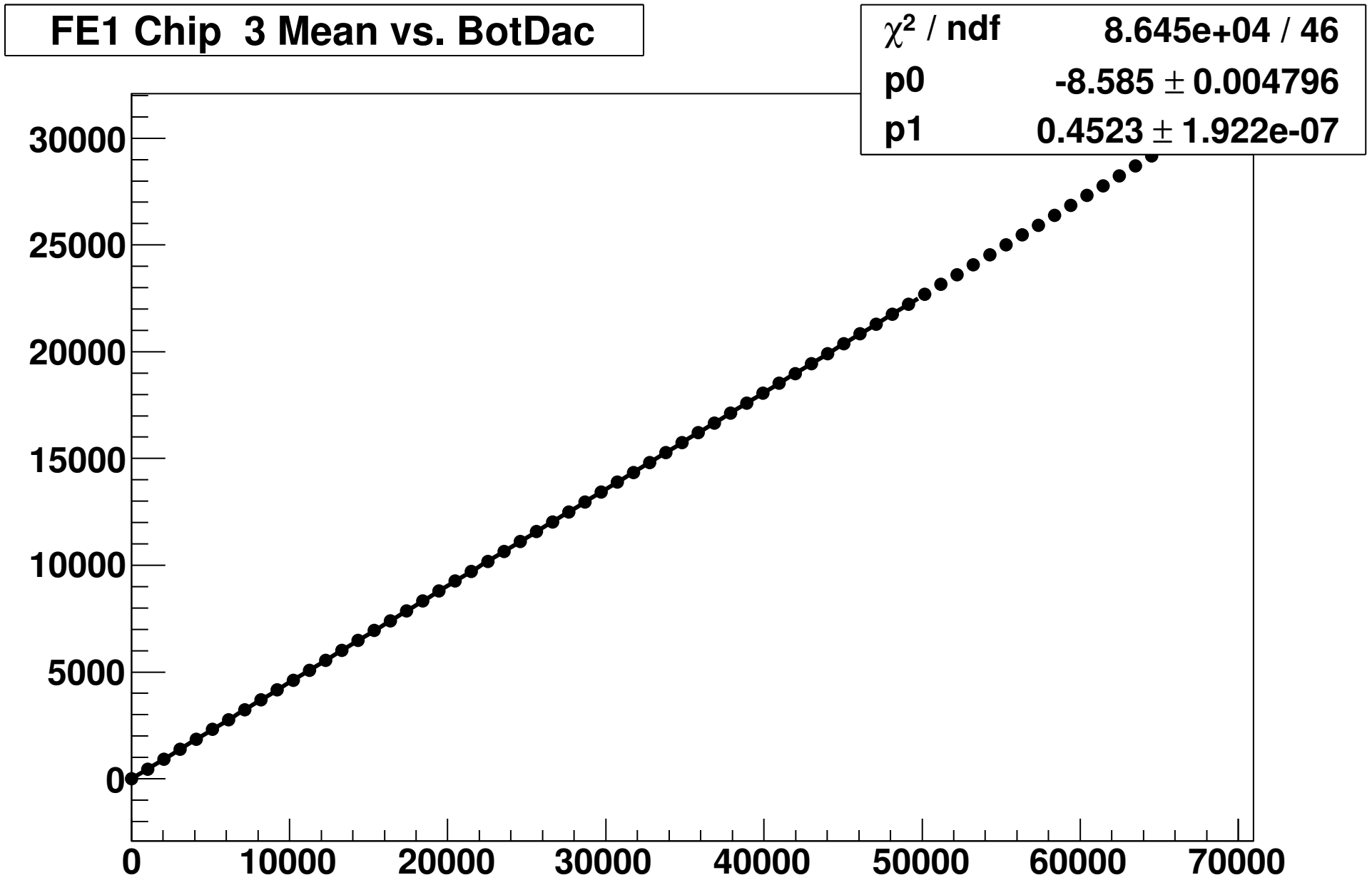

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 47 / 46
p0 1.5 ± 0.002435
p1 1.882e-06 ± 1.754e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

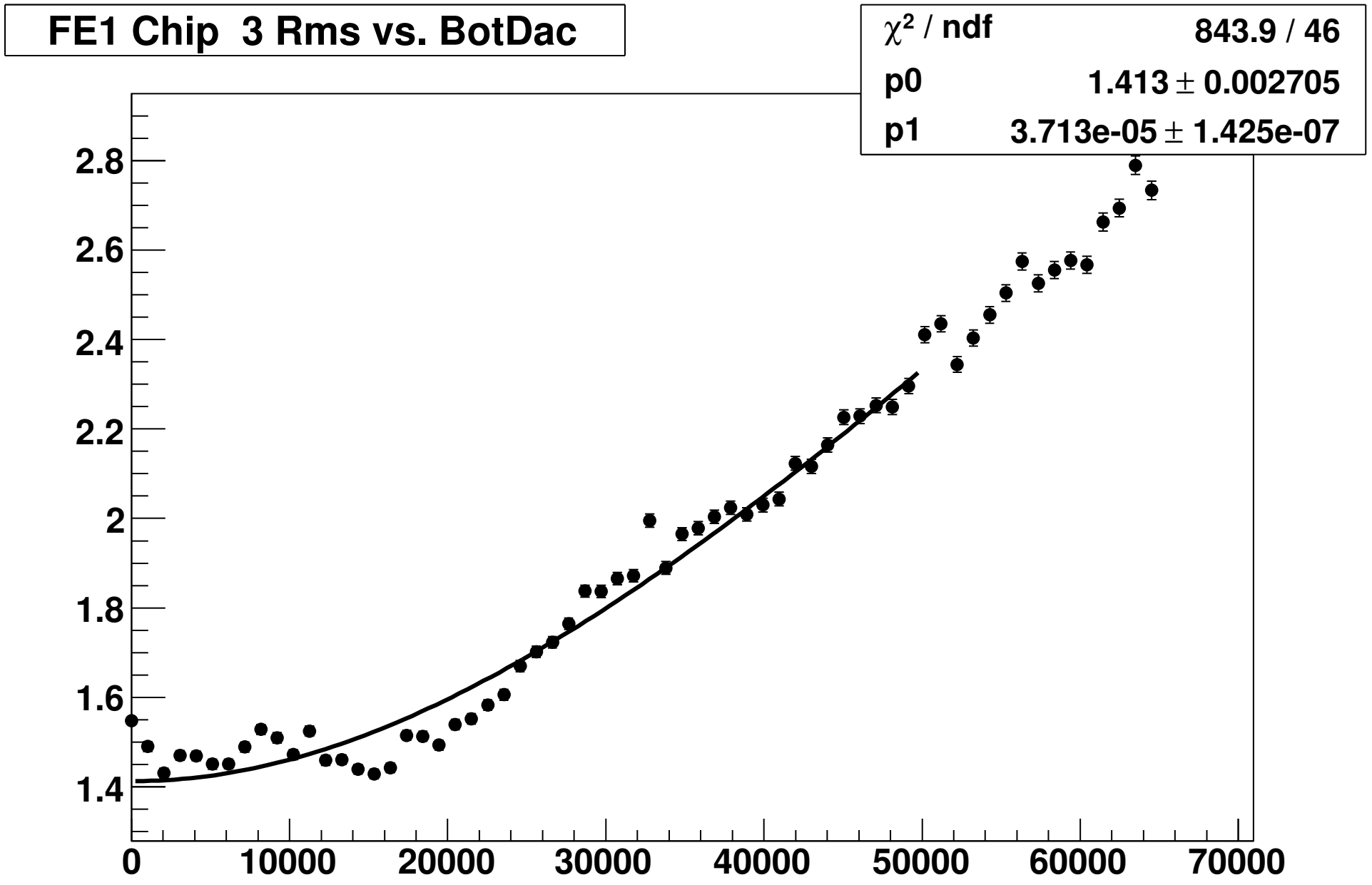

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.524e+05 / 46
p0 -6.339 ± 0.004844
p1 0.4523 ± 1.937e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

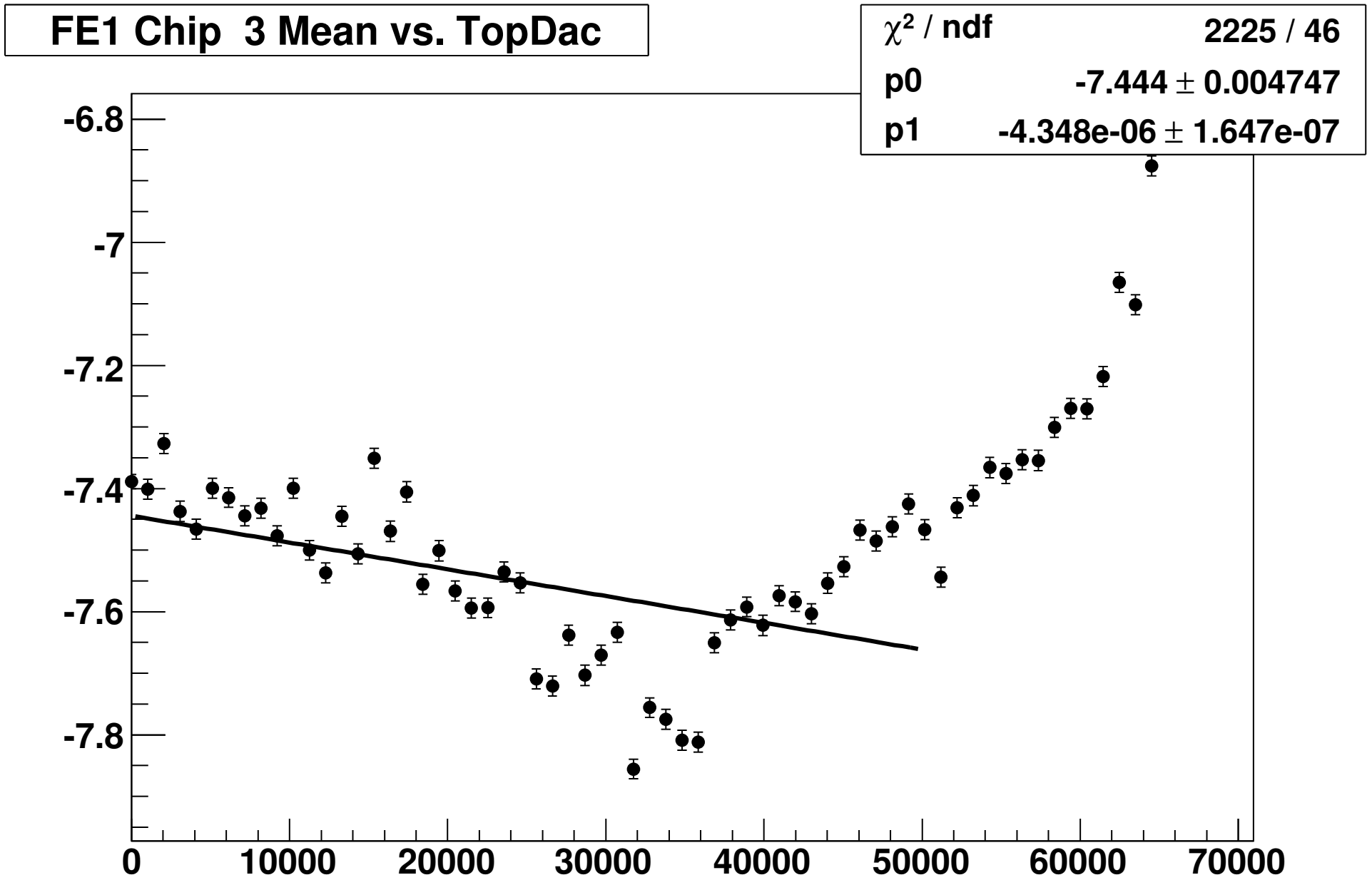

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 561.6 / 46
p0 1.432 ± 0.002733
p1 3.72e-05 ± 1.447e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

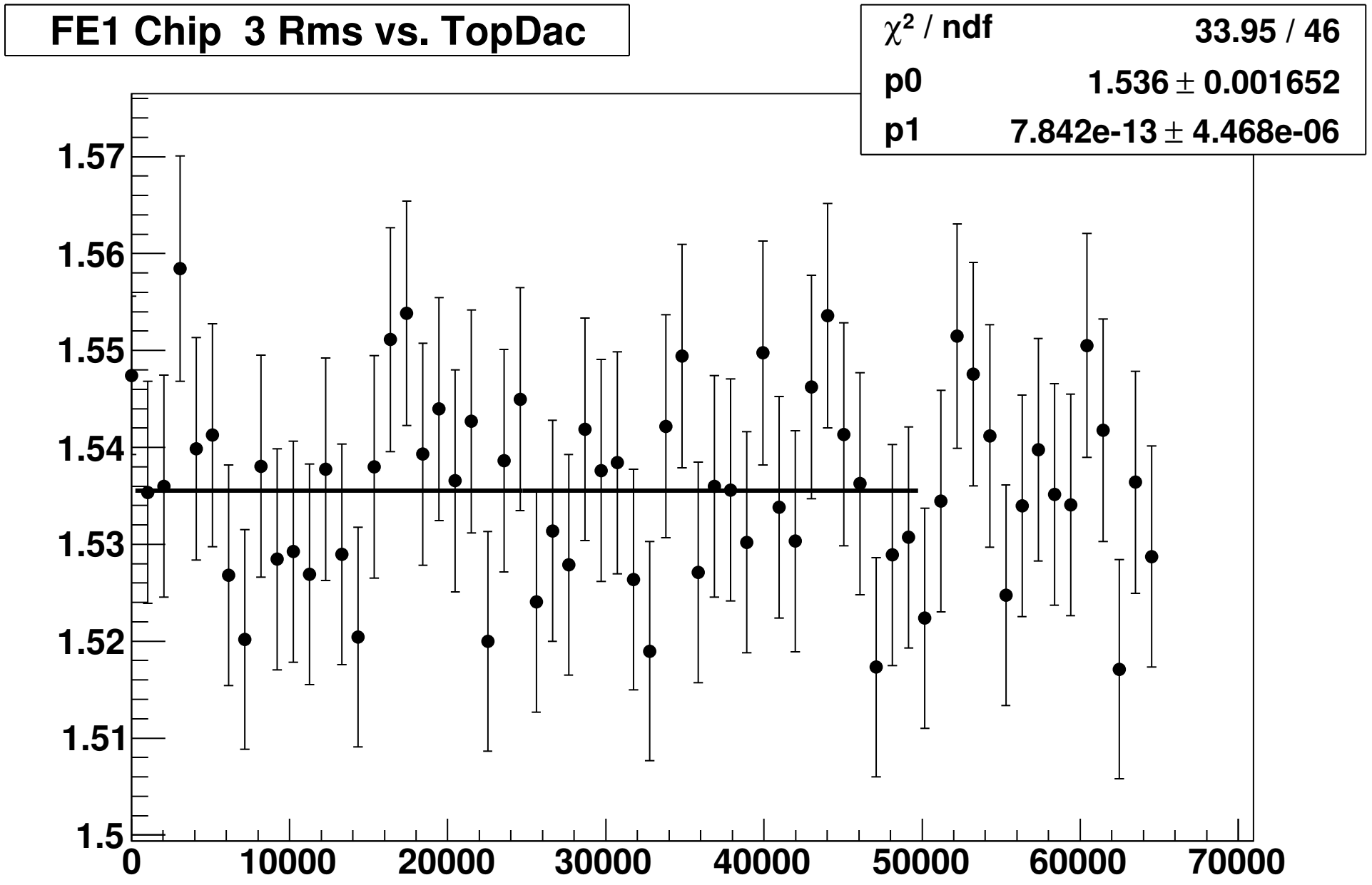

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 2172 / 46
p0 -4.824 ± 0.0047
p1 -3.851e-06 ± 1.631e-07
-4.2
-4.4
-4.6
-4.8
-5
-5.2
0
10000
20000
30000
40000
50000
60000
70000

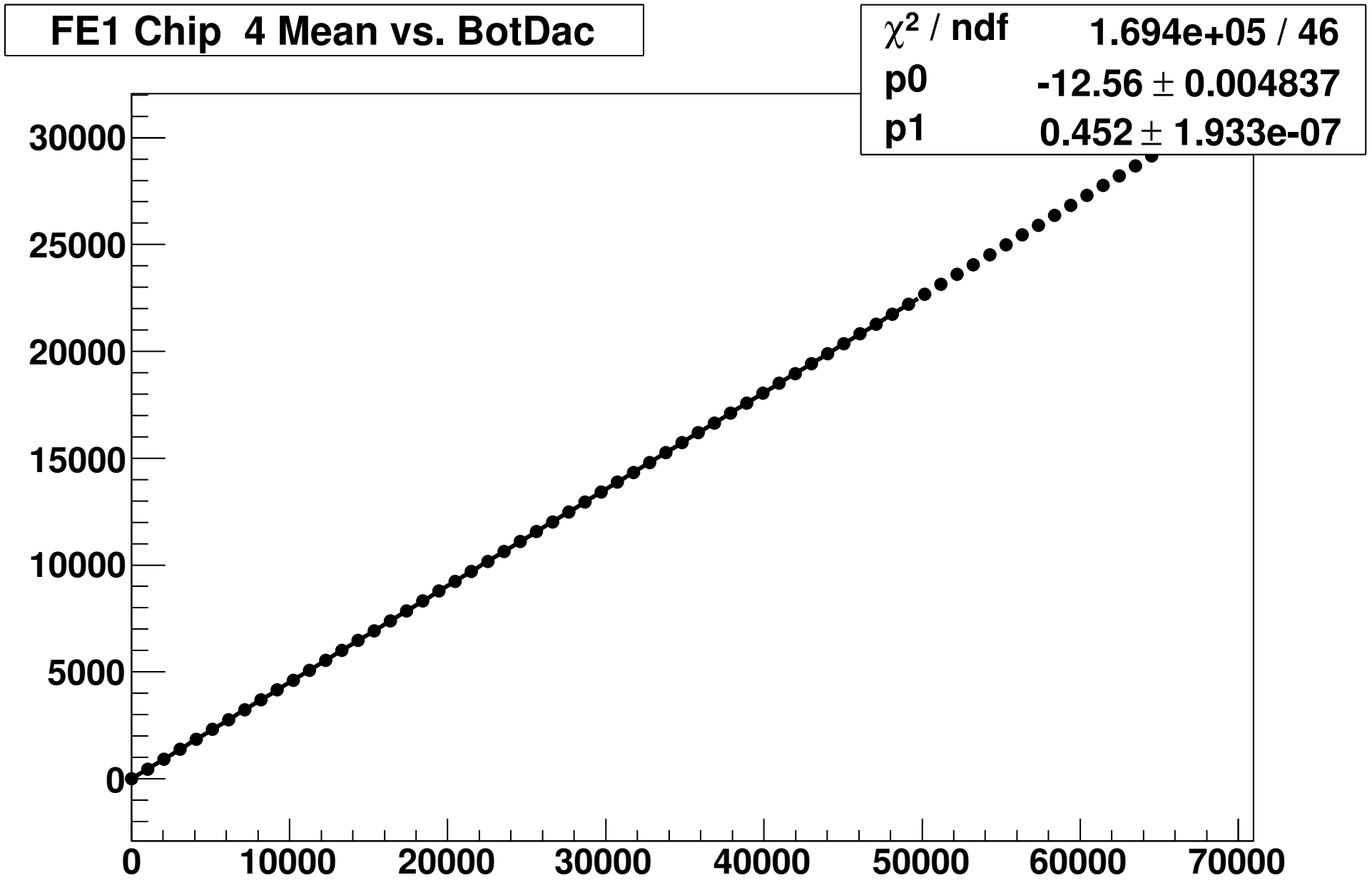

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 34.64 / 46
p0 1.519 ± 0.00246
p1 1.061e-06 ± 3.199e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

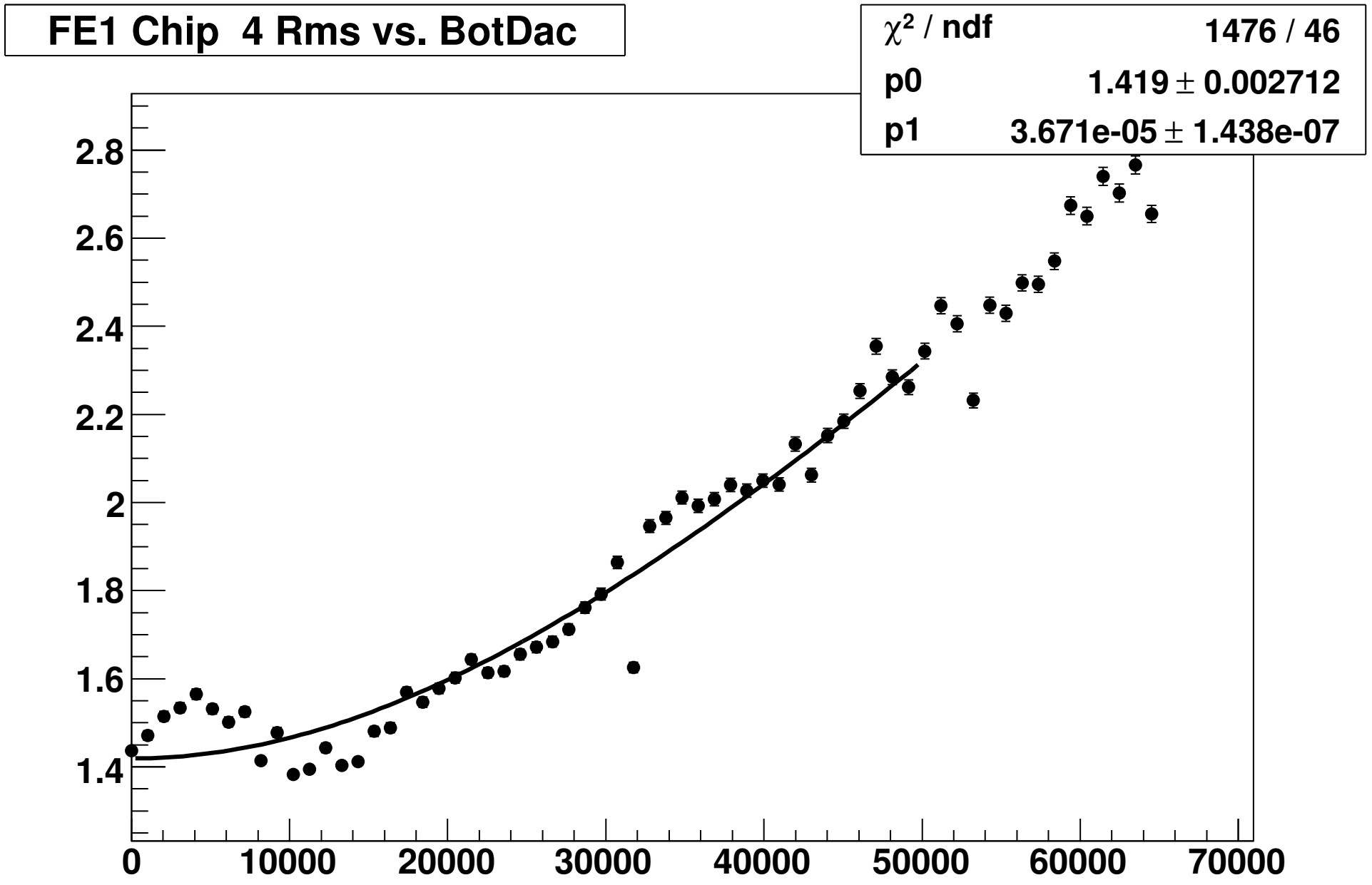

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 8.645e+04 / 46
p0 -8.585 ± 0.004796
p1 0.4523 ± 1.922e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 843.9 / 46
p0 1.413 ± 0.002705
p1 3.713e-05 ± 1.425e-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 3 Mean vs. TopDac
χ² / ndf 2225 / 46
p0 -7.444 ± 0.004747
p1 -4.348e-06 ± 1.647e-07
-6.8
-7
-7.2
-7.4
-7.6
-7.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 33.95 / 46
p0 1.536 ± 0.001652
p1 7.842e-13 ± 4.468e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.694e+05 / 46
p0 -12.56 ± 0.004837
p1 0.452 ± 1.933e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1476 / 46
p0 1.419 ± 0.002712
p1 3.671e-05 ± 1.438e-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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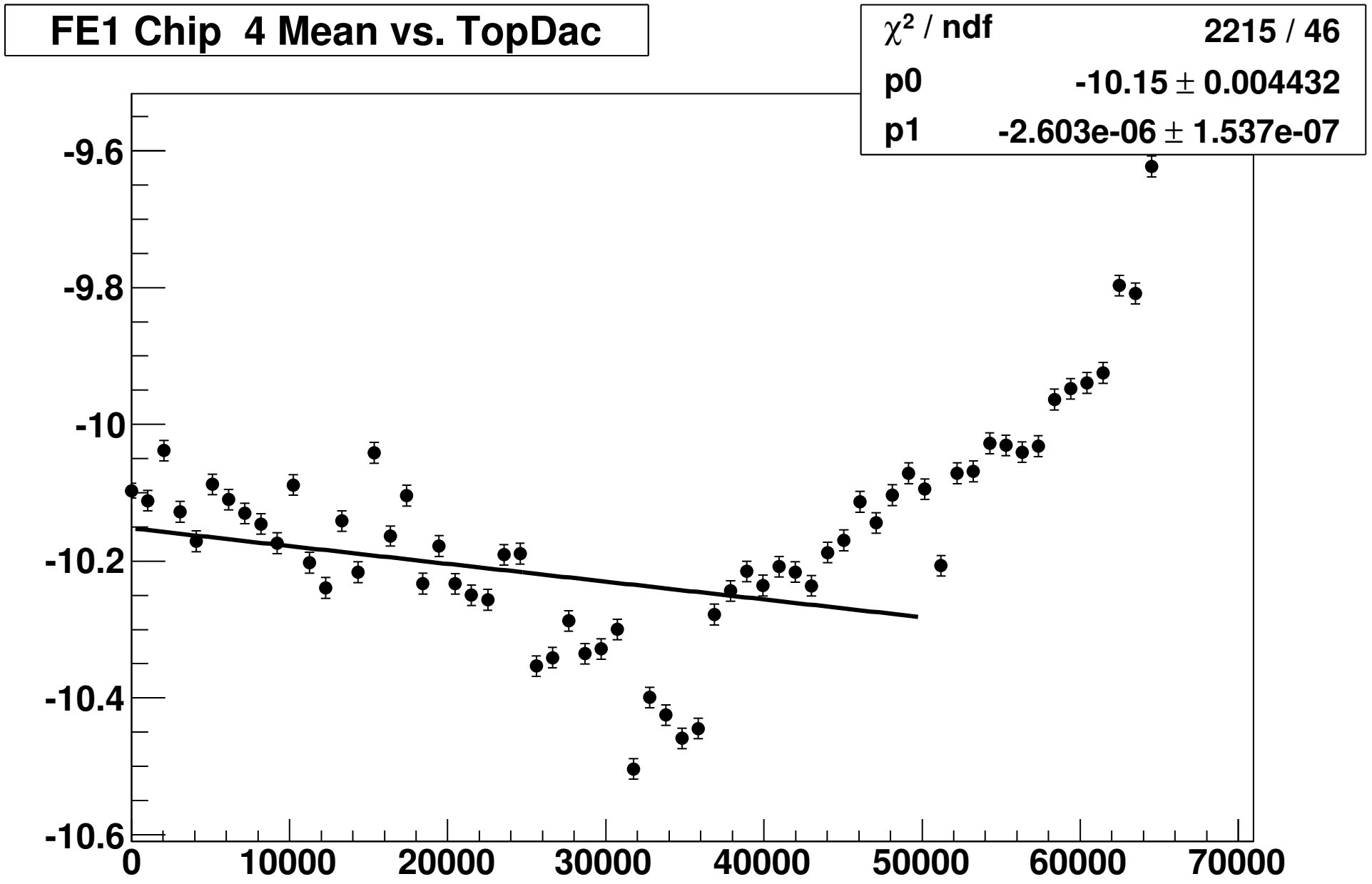
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 2215 / 46
p0 -10.15 ± 0.004432
p1 -2.603e-06 ± 1.537e-07
-9.6
-9.8
-10
-10.2
-10.4
-10.6
0
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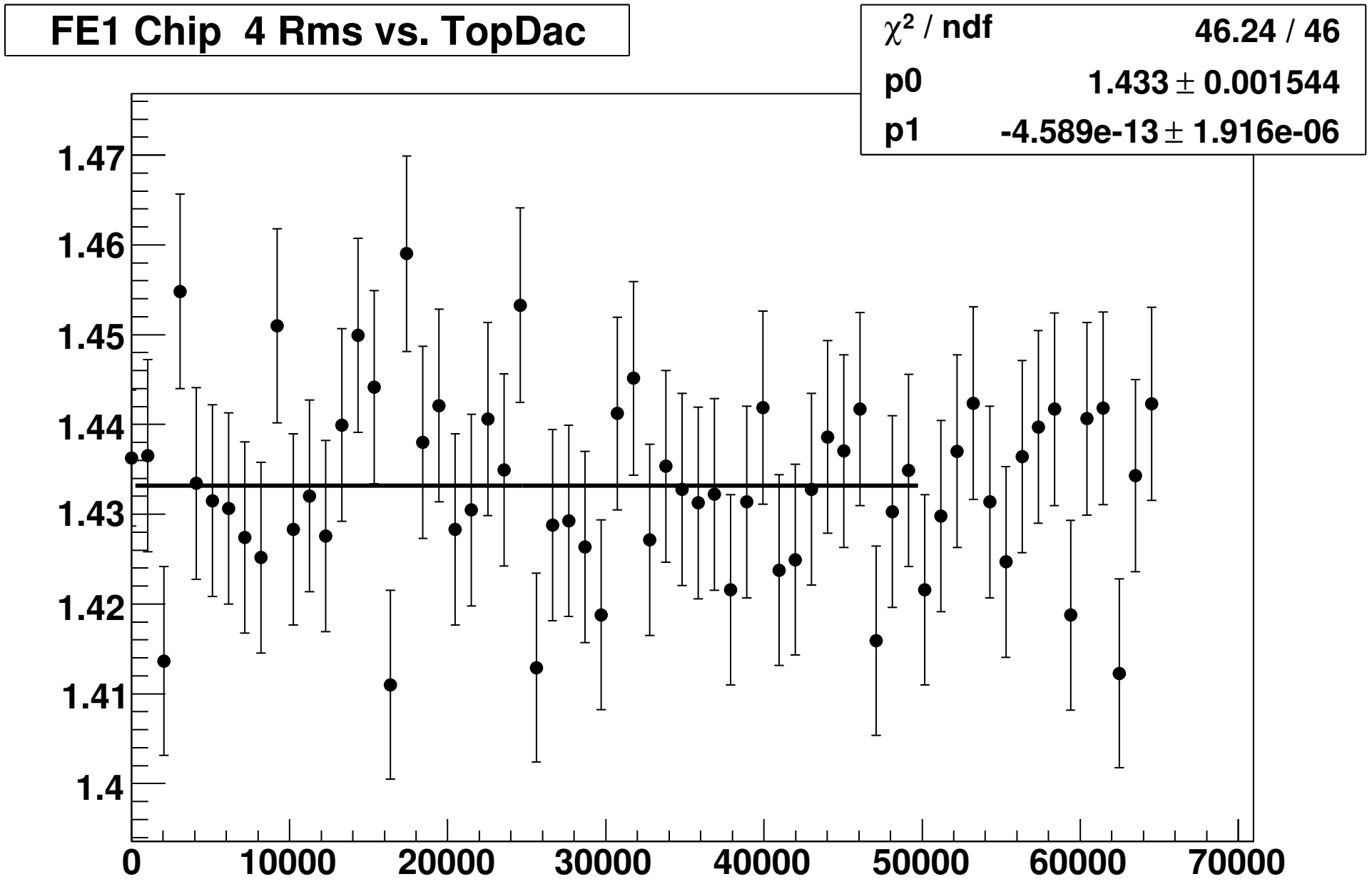
50000
60000
70000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 46.24 / 46
p0 1.433 ± 0.001544
p1 -4.589e-13 ± 1.916e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
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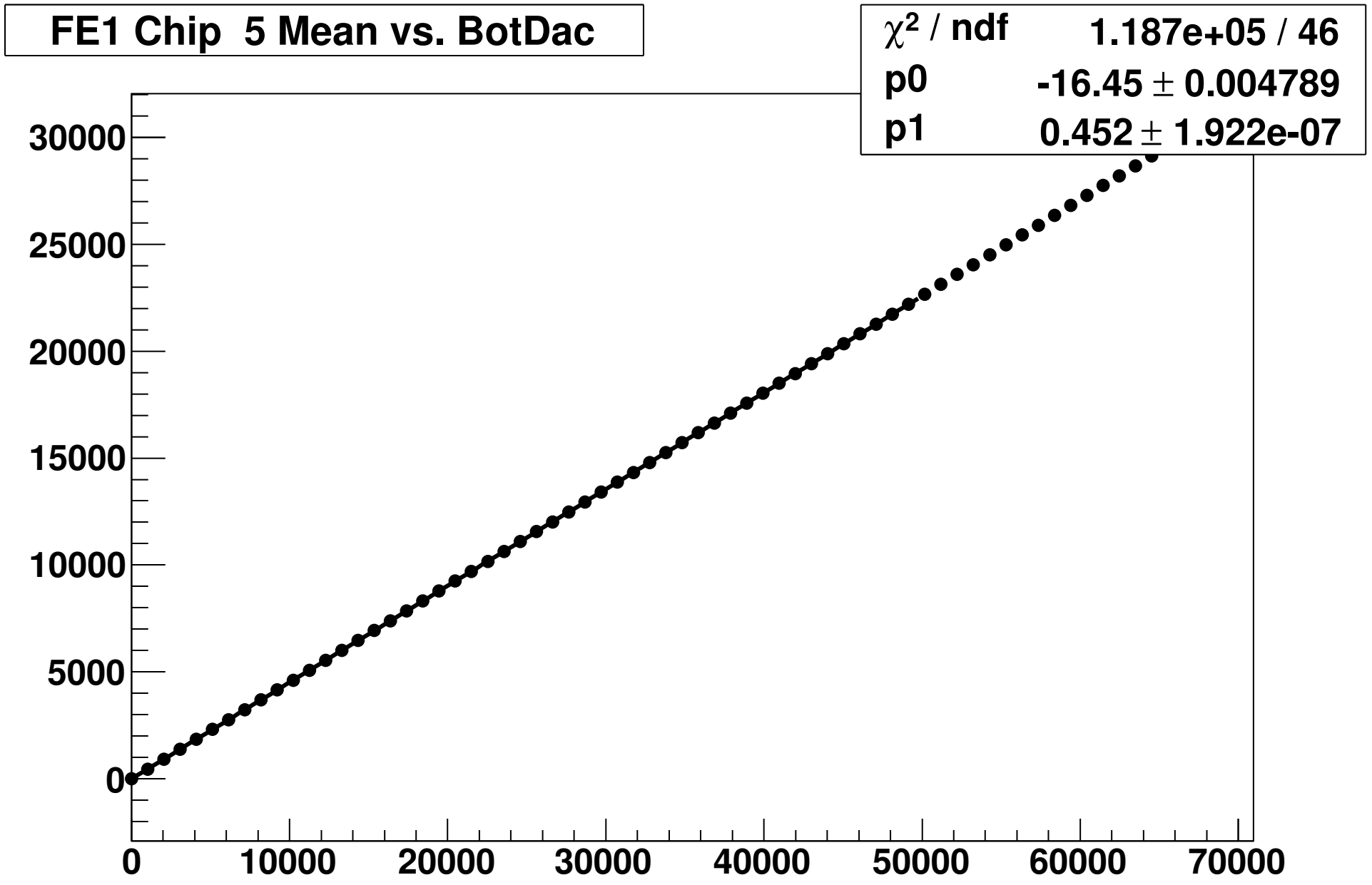
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.187e+05 / 46
p0 -16.45 ± 0.004789
p1 0.452 ± 1.922e-07
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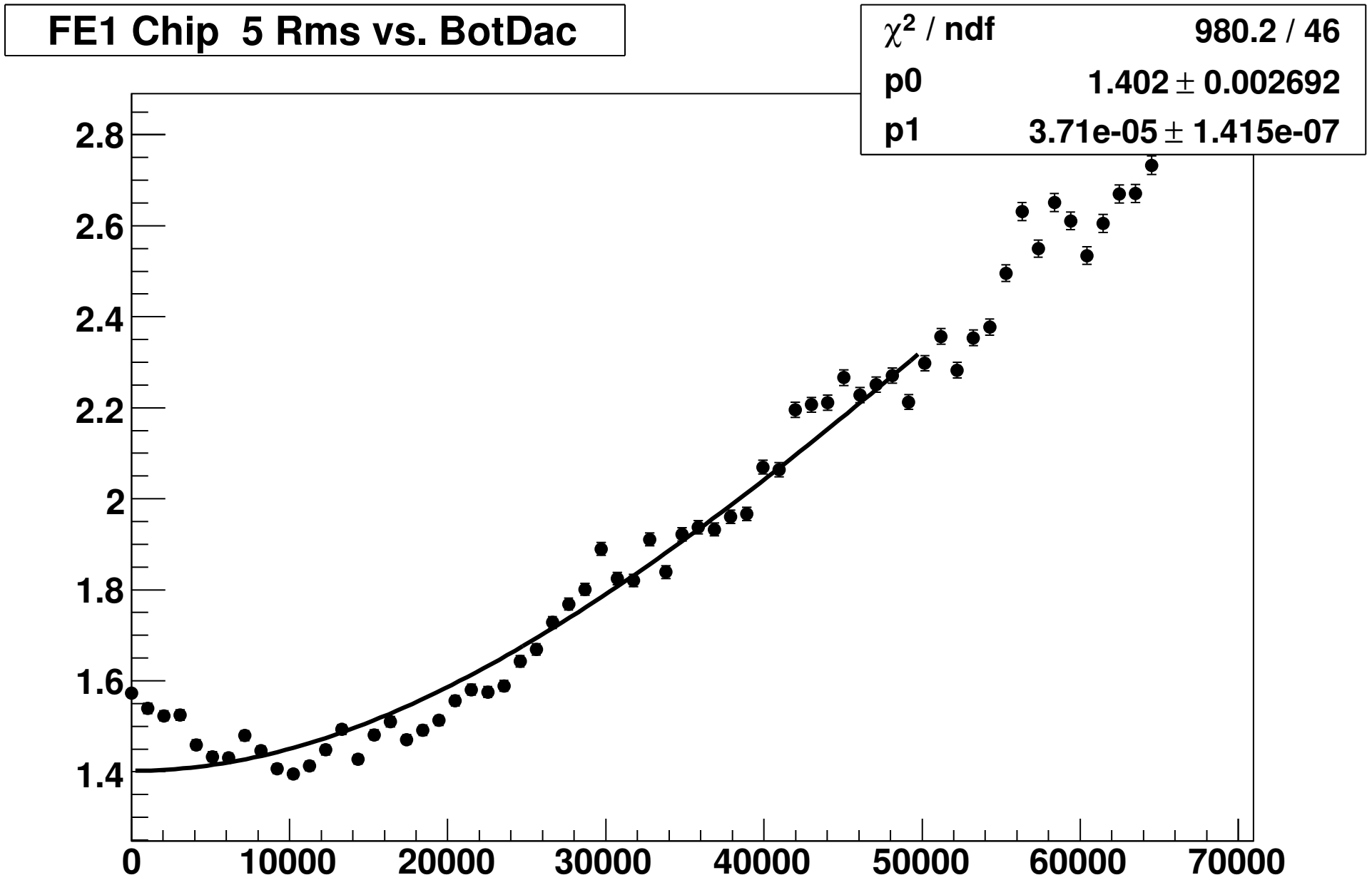
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 980.2 / 46
p0 1.402 ± 0.002692
p1 3.71e-05 ± 1.415e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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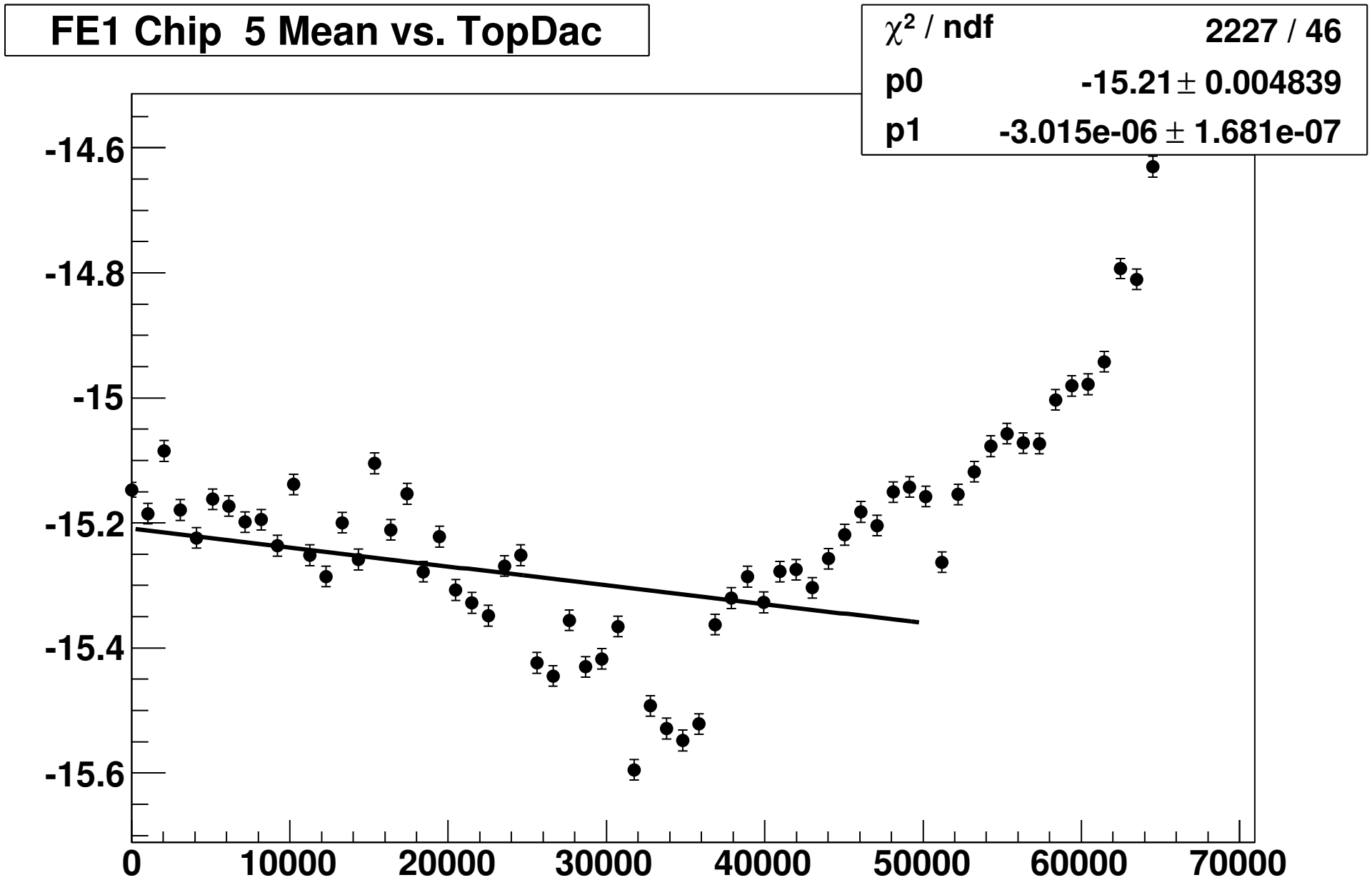
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 2227 / 46
p0 -15.21 ± 0.004839
p1 -3.015e-06 ± 1.681e-07
-14.6
-14.8
-15
-15.2
-15.4
-15.6
0
10000
20000
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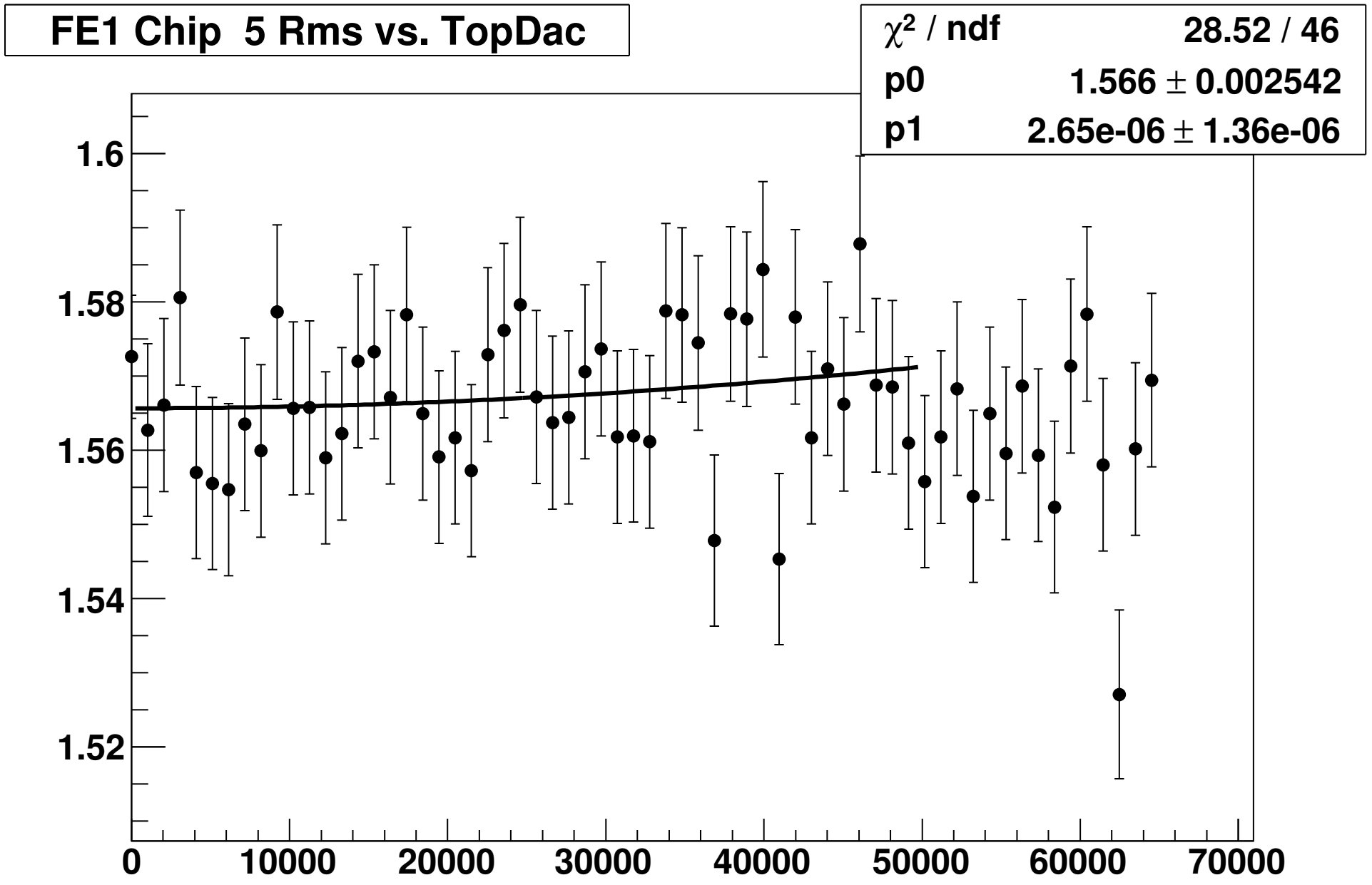
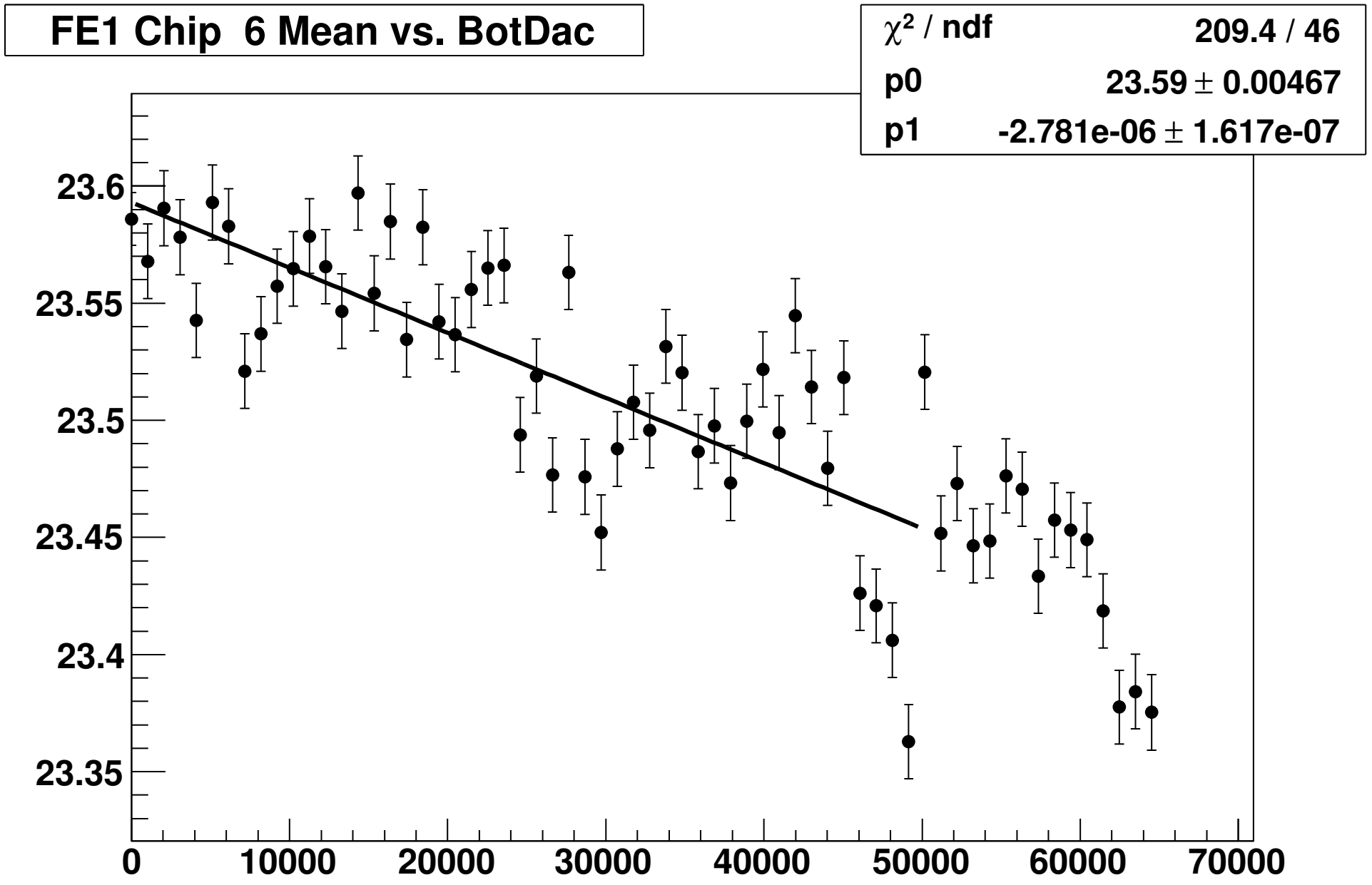
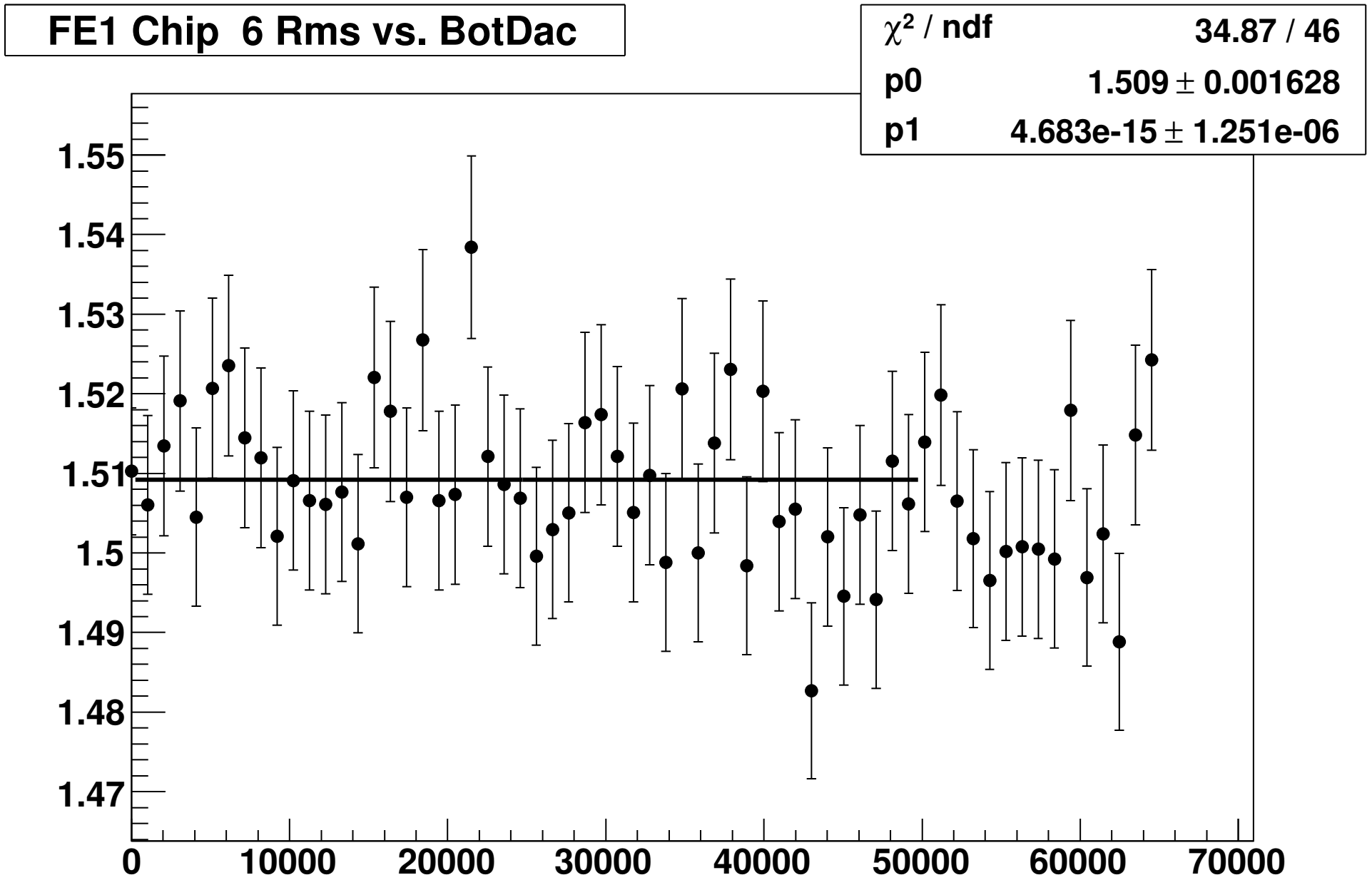
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 28.52 / 46
p0 1.566 ± 0.002542
p1 2.65e-06 ± 1.36e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 209.4 / 46
p0 23.59 ± 0.00467
p1 -2.781e-06 ± 1.617e-07
23.6
23.55
23.5
23.45
23.4
23.35
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 34.87 / 46
p0 1.509 ± 0.001628
p1 4.683e-15 ± 1.251e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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50000
60000
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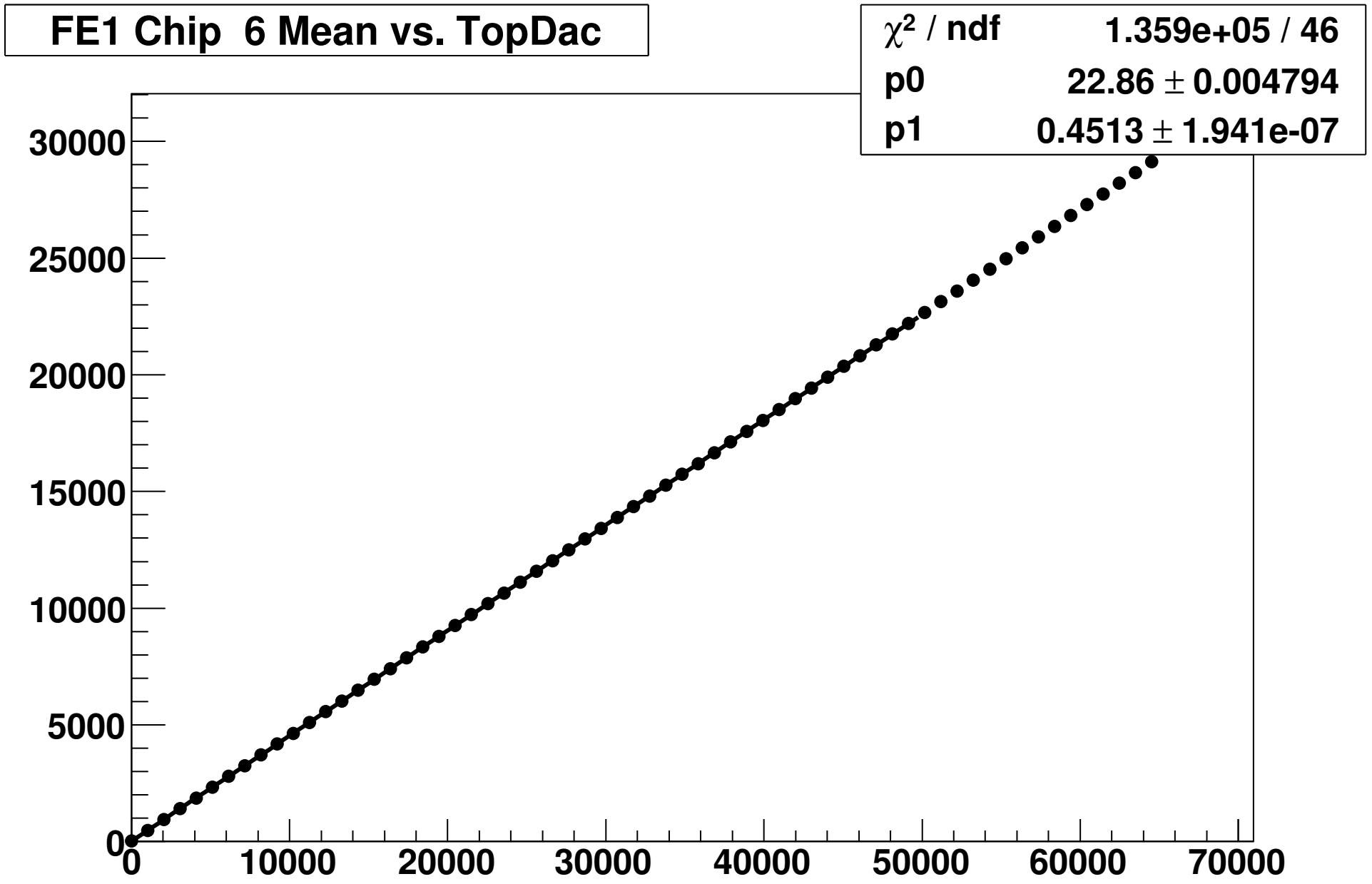
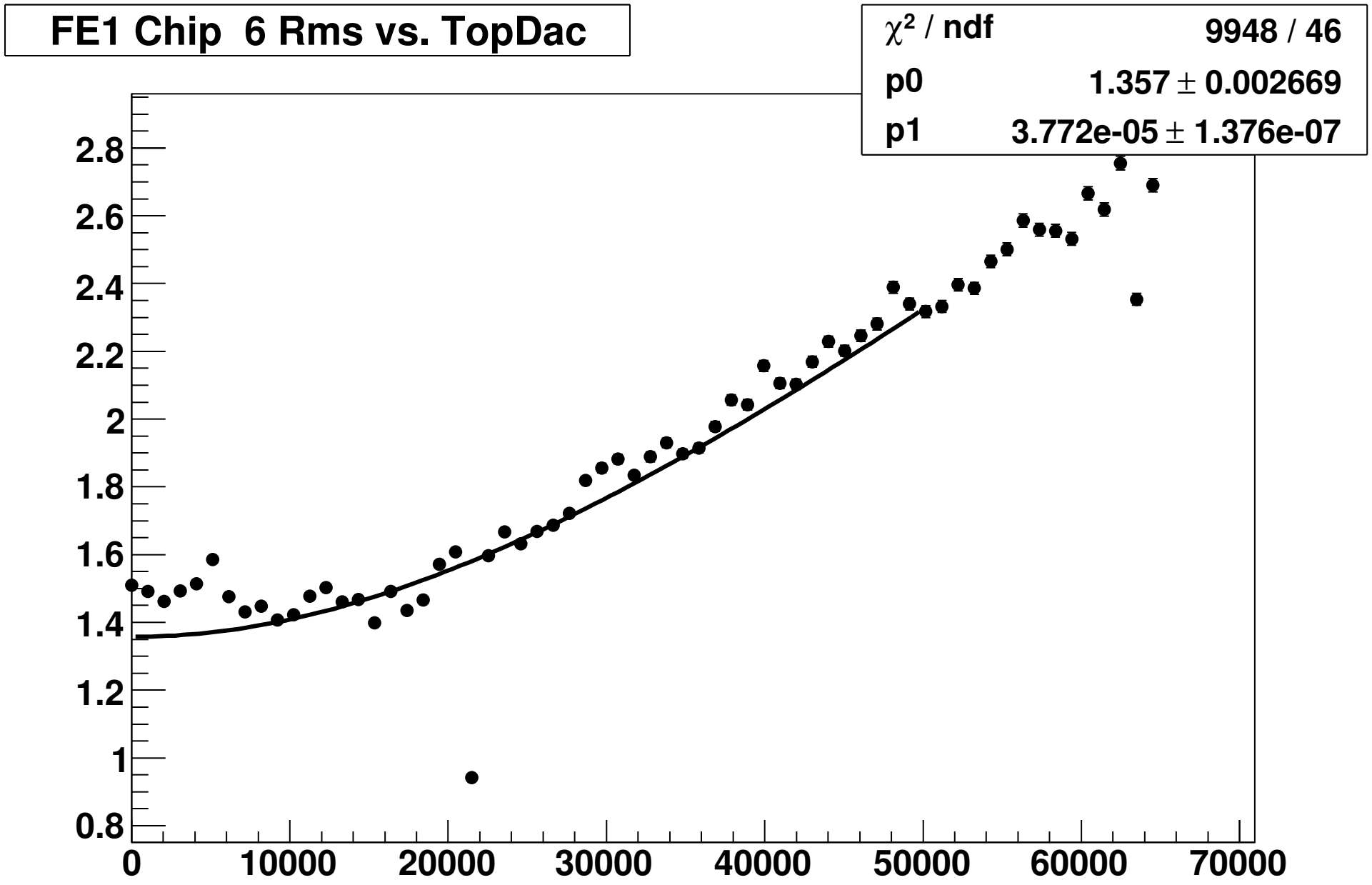

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.359e+05 / 46
p0 22.86 ± 0.004794
p1 0.4513 ± 1.941e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 9948 / 46
p0 1.357 ± 0.002669
p1 3.772e-05 ± 1.376e-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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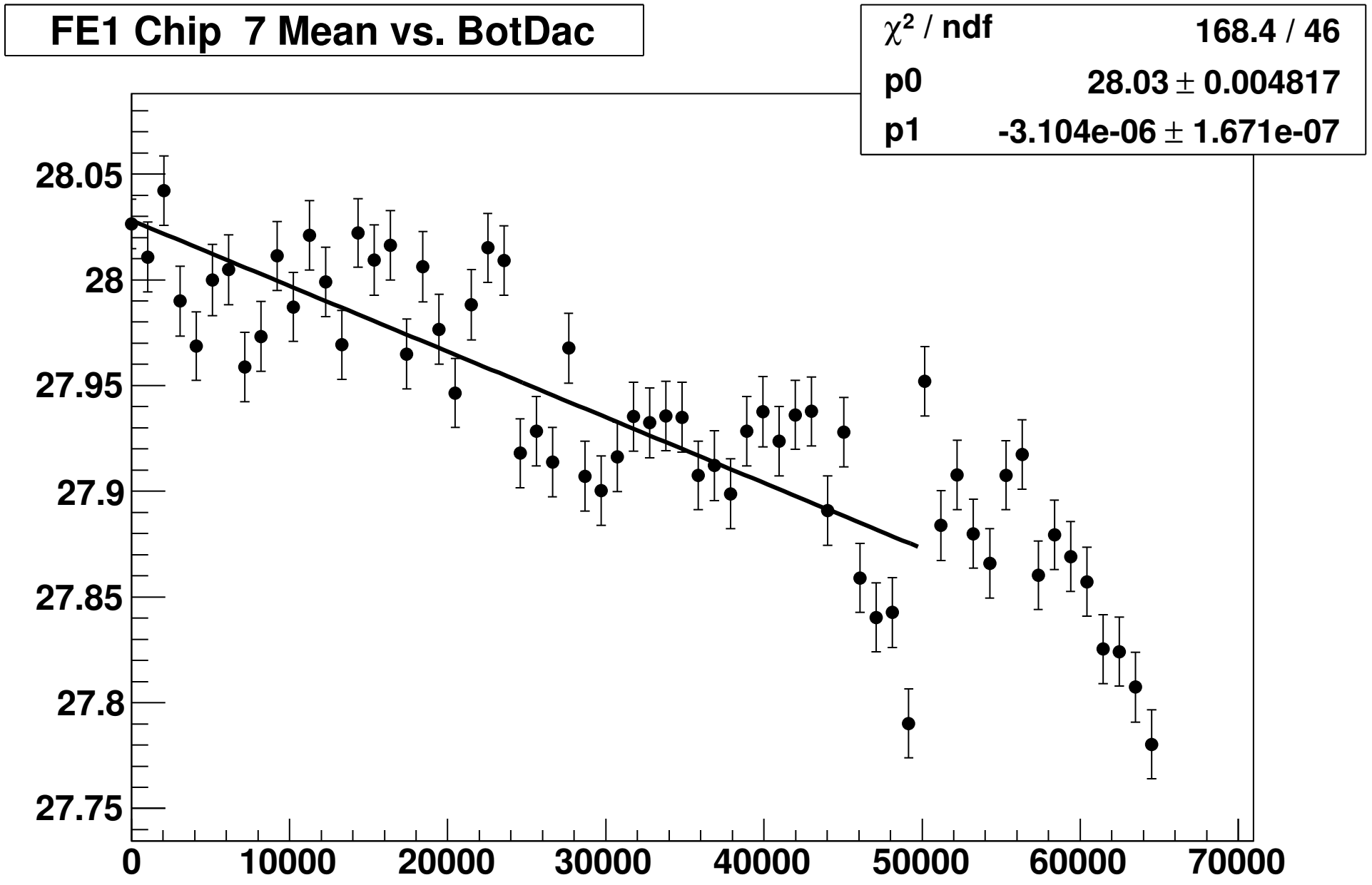
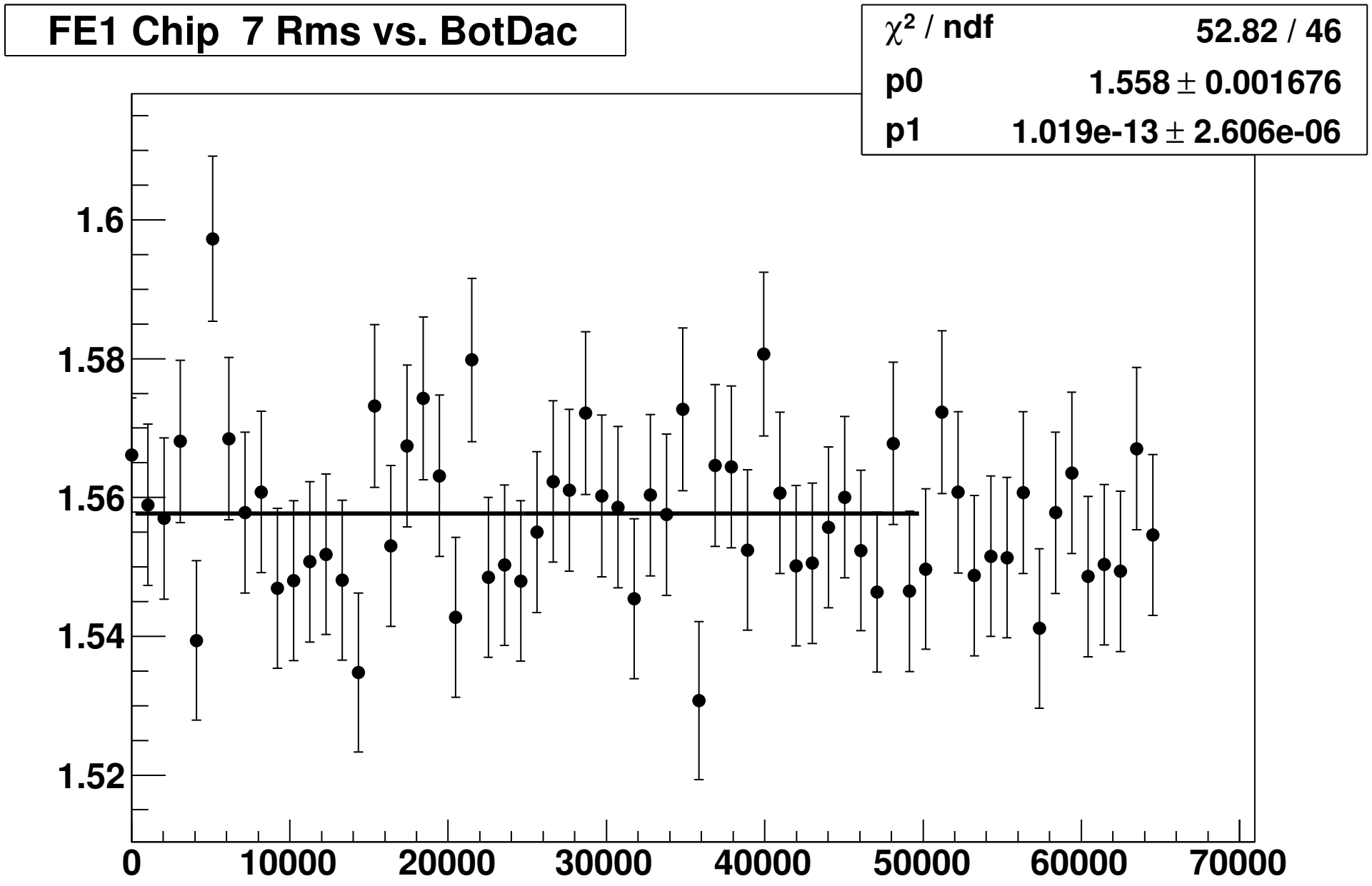
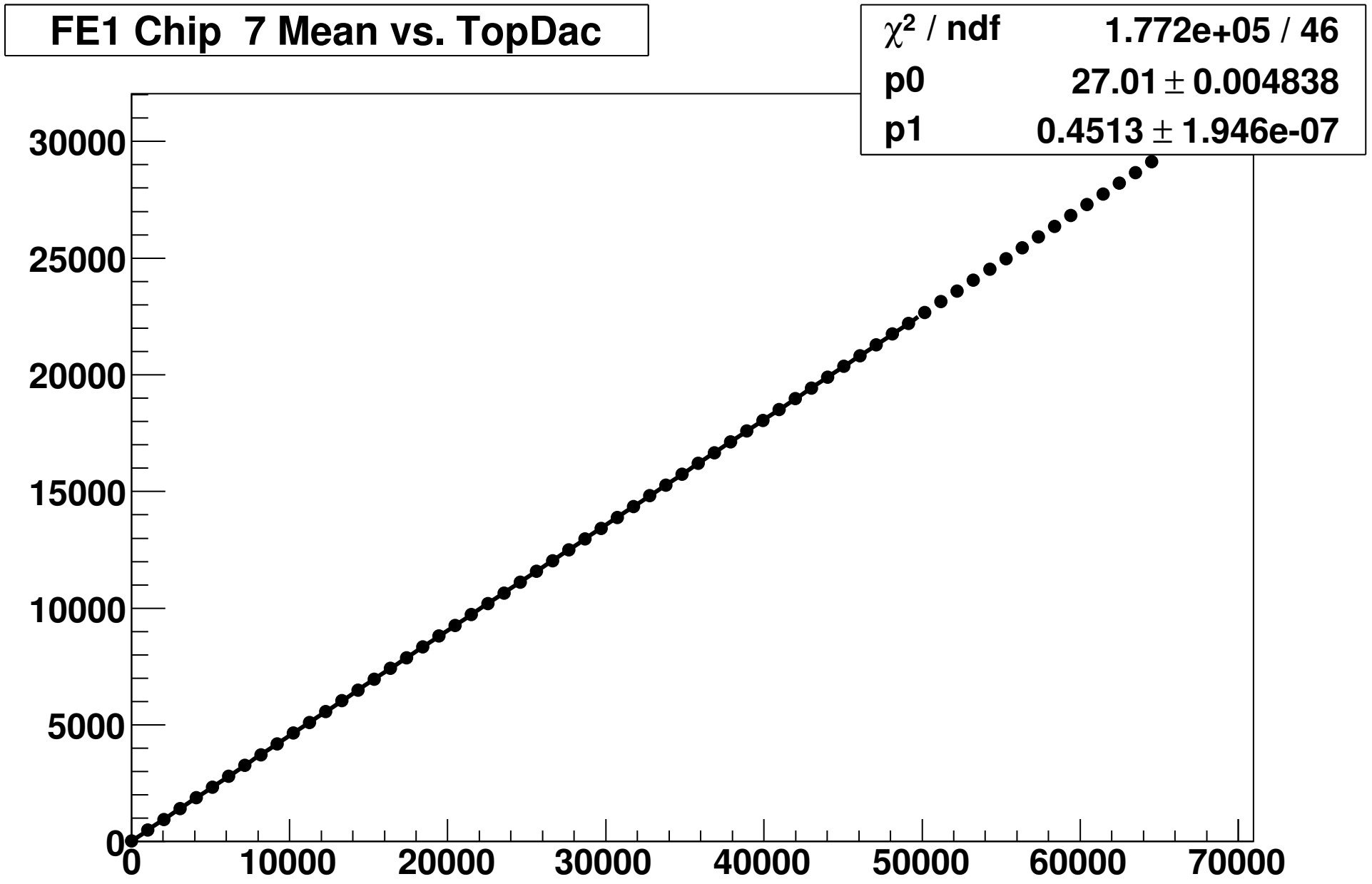
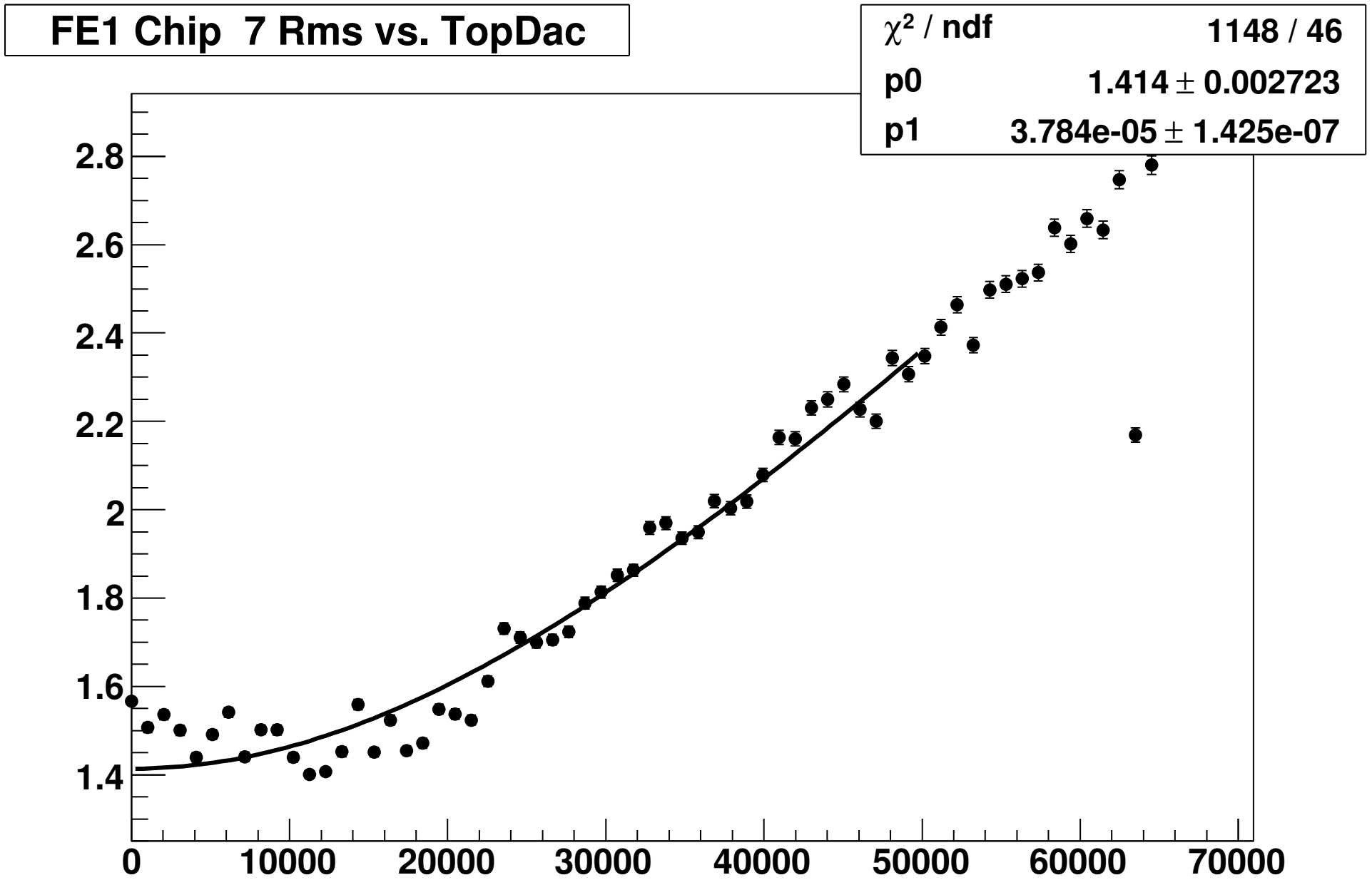
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 168.4 / 46
p0 28.03 ± 0.004817
p1 -3.104e-06 ± 1.671e-07
28.05
28
27.95
27.9
27.85
27.8
27.75
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 52.82 / 46
p0 1.558 ± 0.001676
p1 1.019e-13 ± 2.606e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.772e+05 / 46
p0 27.01 ± 0.004838
p1 0.4513 ± 1.946e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1148 / 46
p0 1.414 ± 0.002723
p1 3.784e-05 ± 1.425e-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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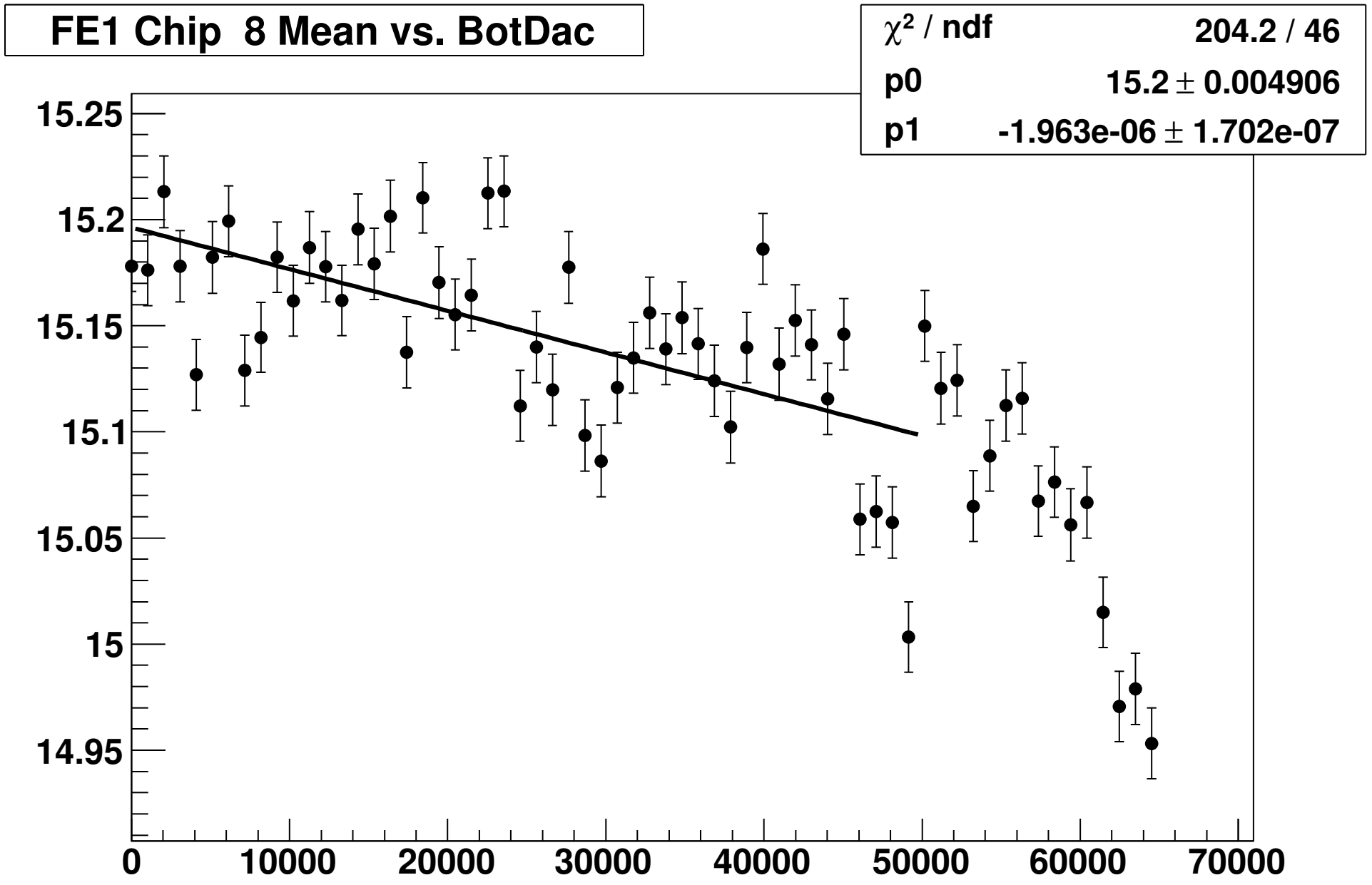
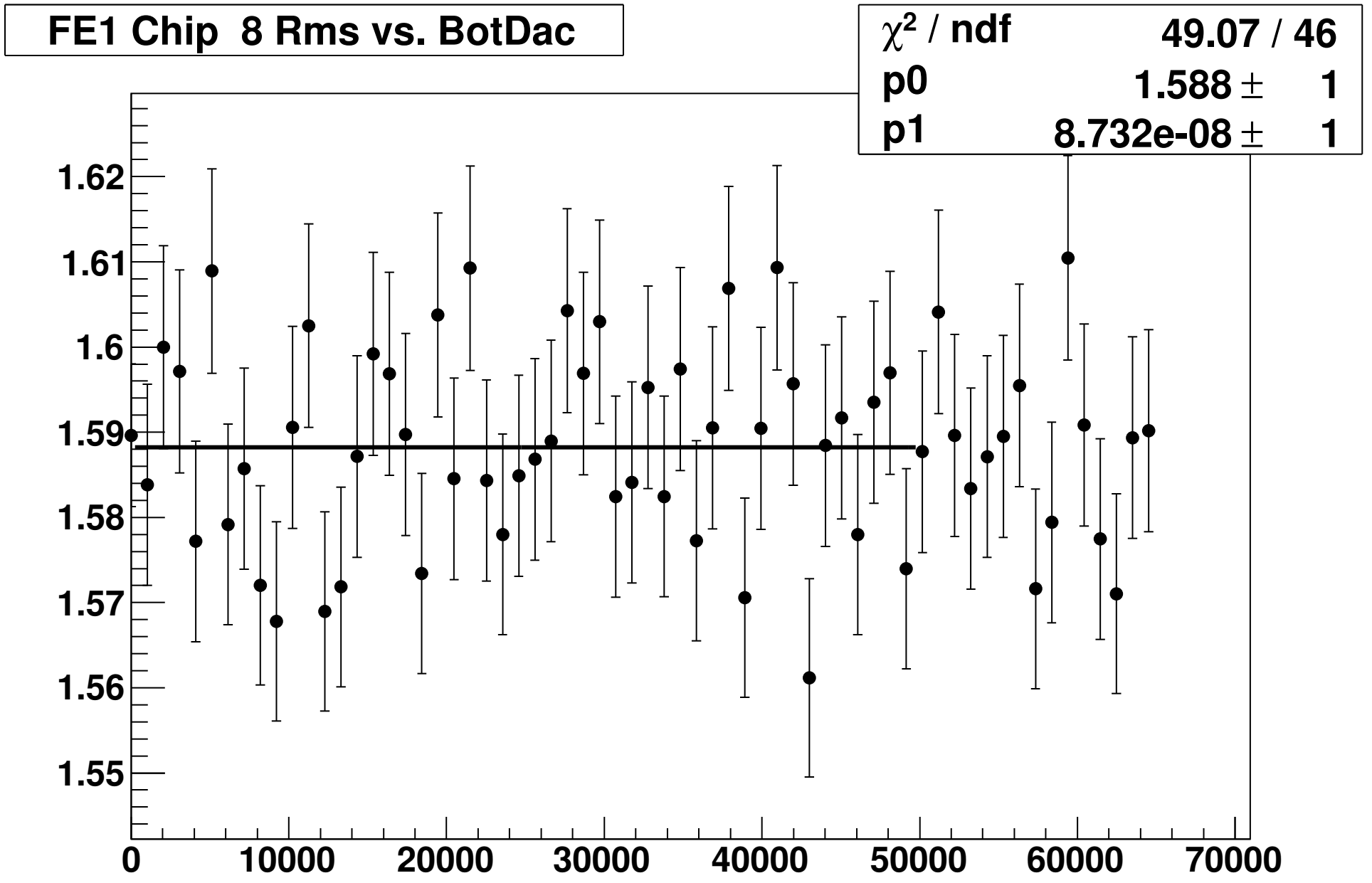
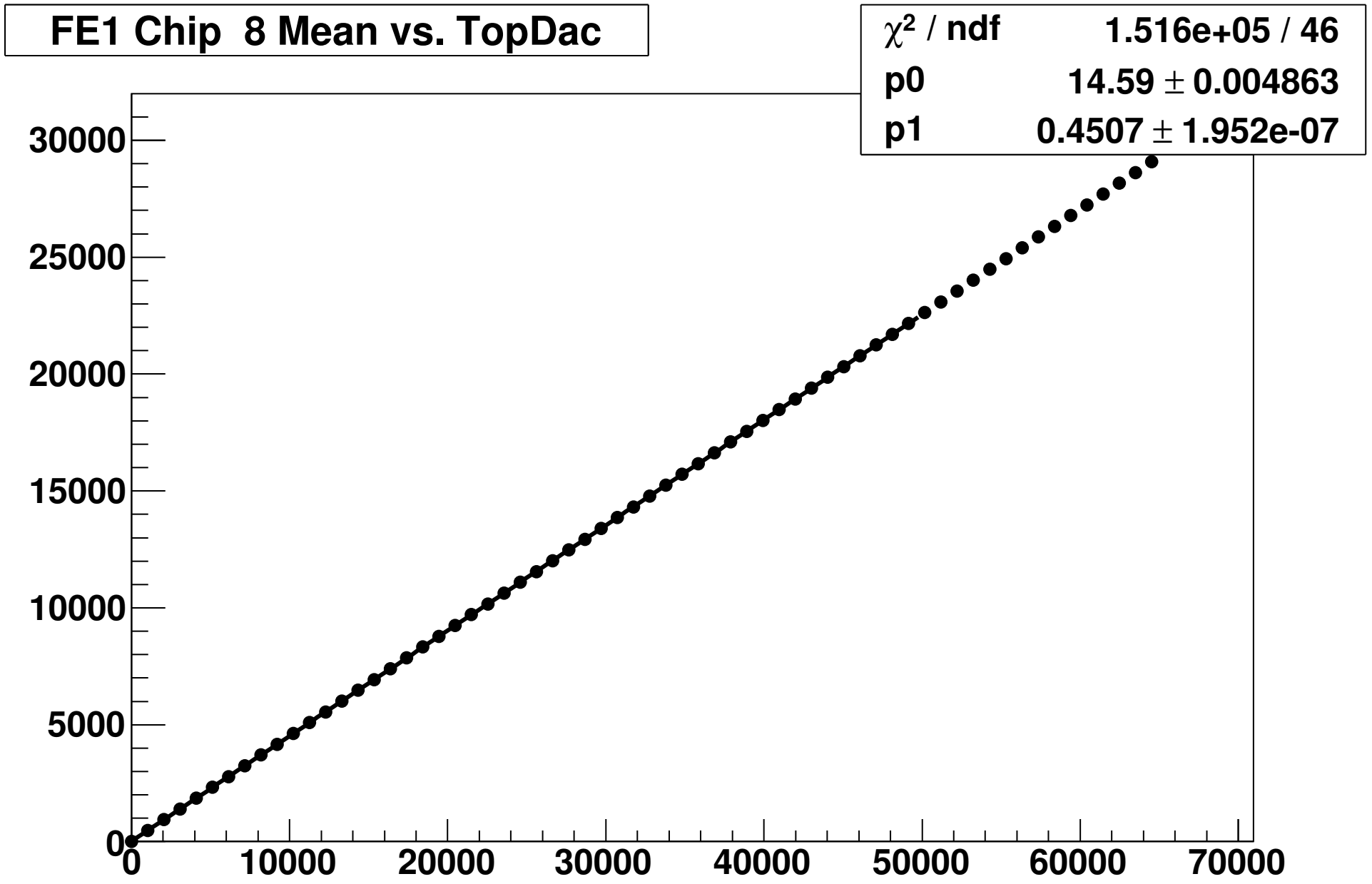
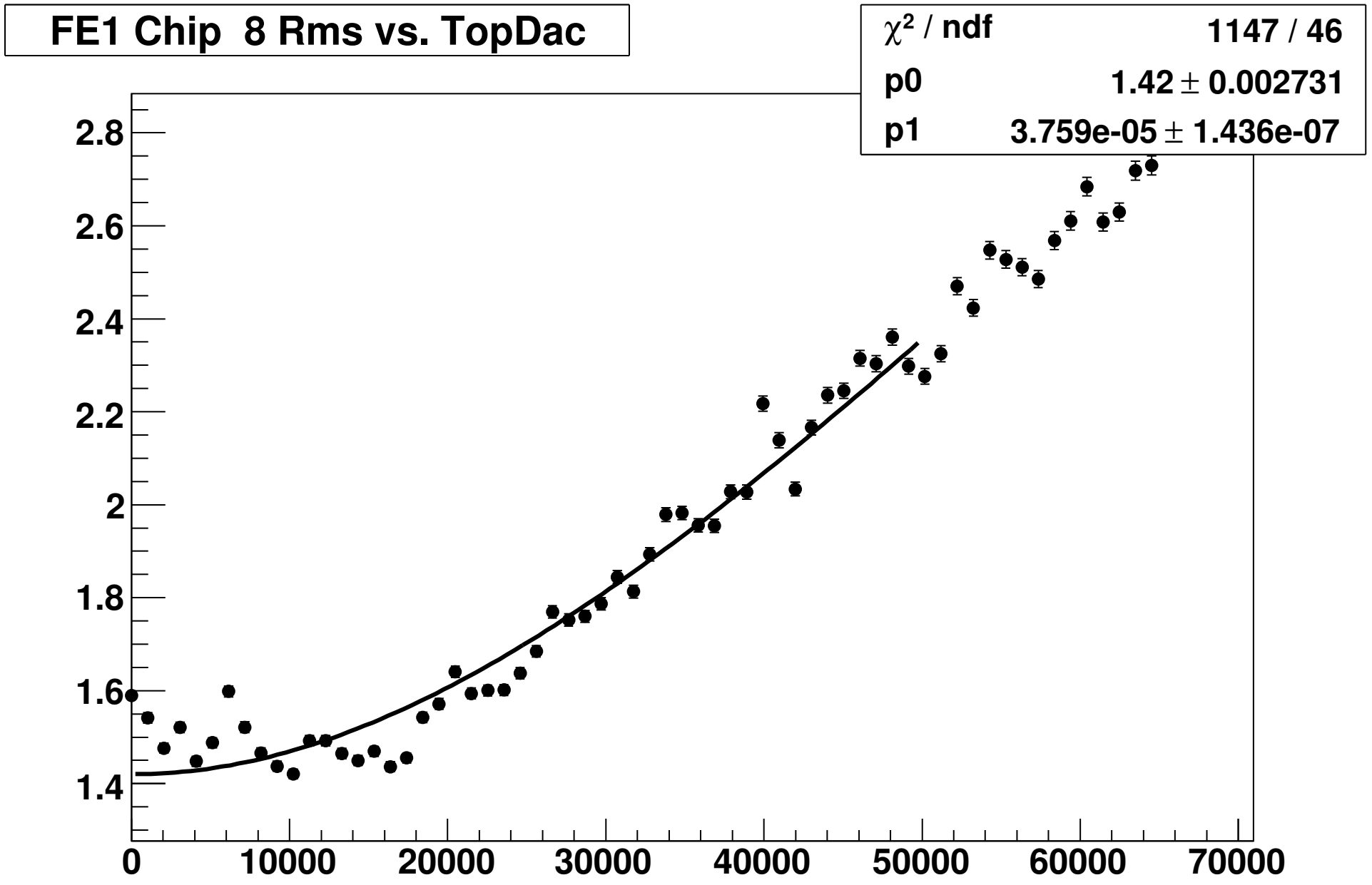
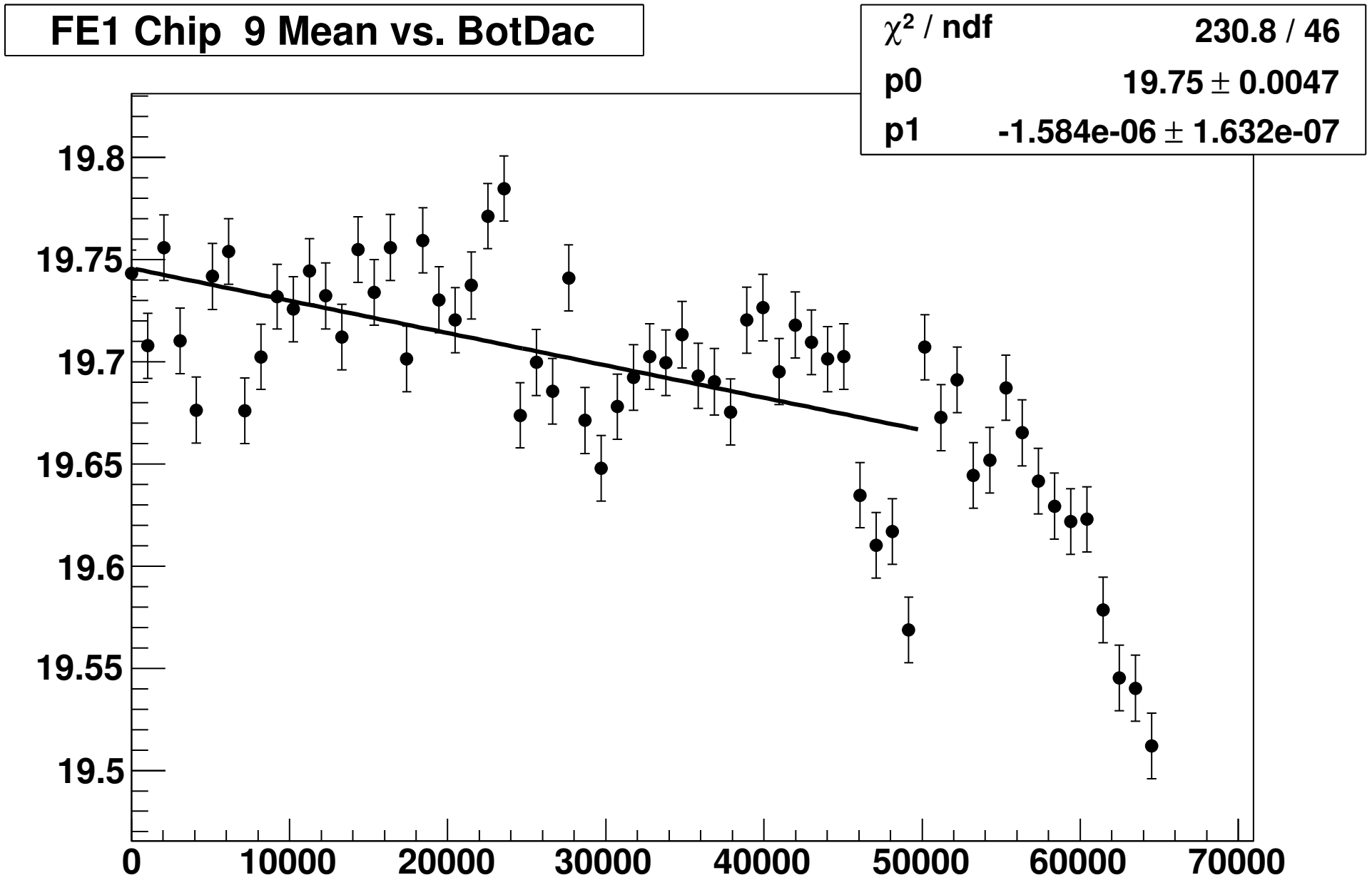
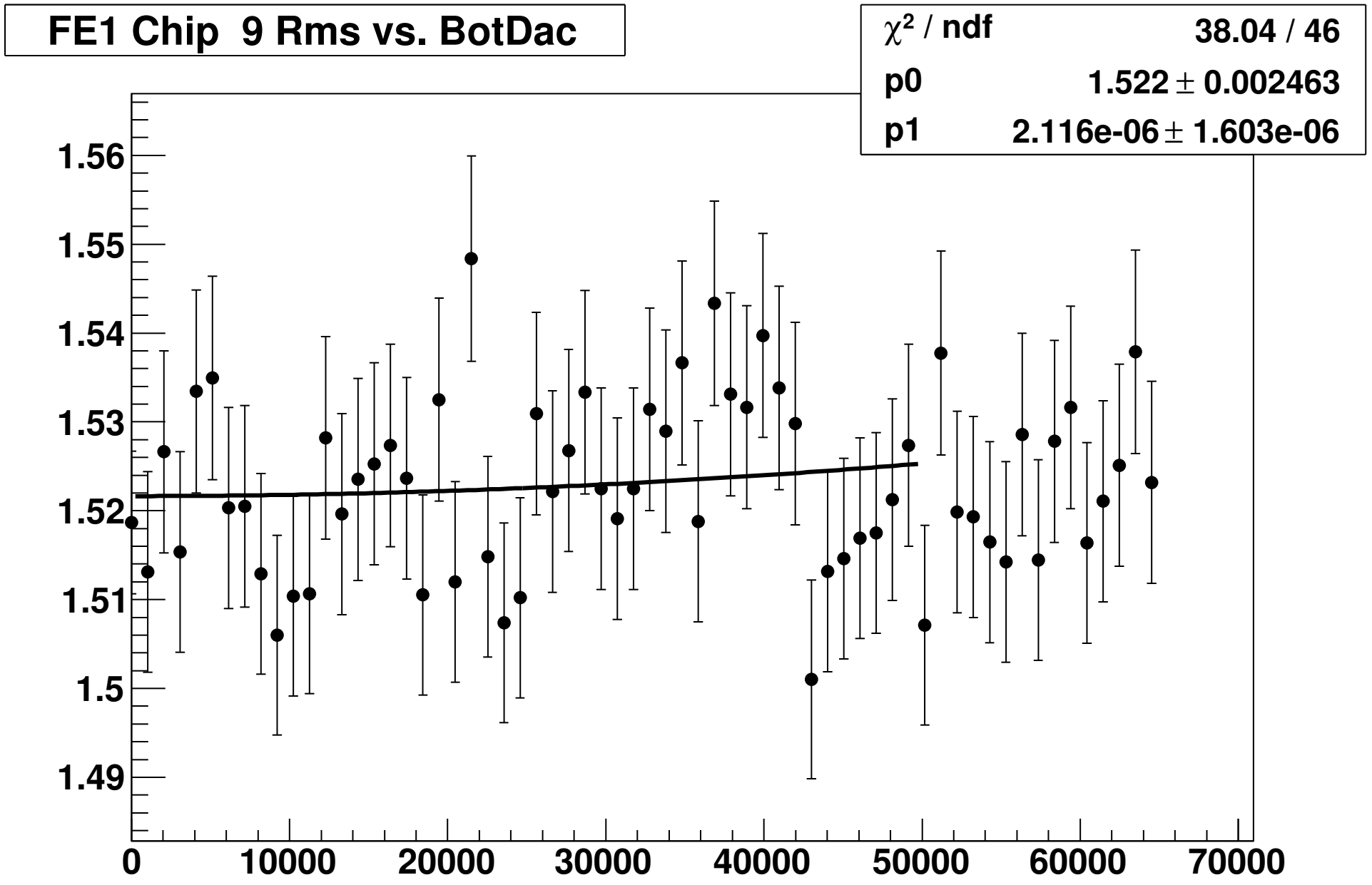

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 204.2 / 46
p0 15.2 ± 0.004906
p1 -1.963e-06 ± 1.702e-07
15.25
15.2
15.15
15.1
15.05
15
14.95
0
10000
20000
30000
40000
50000
60000
70000

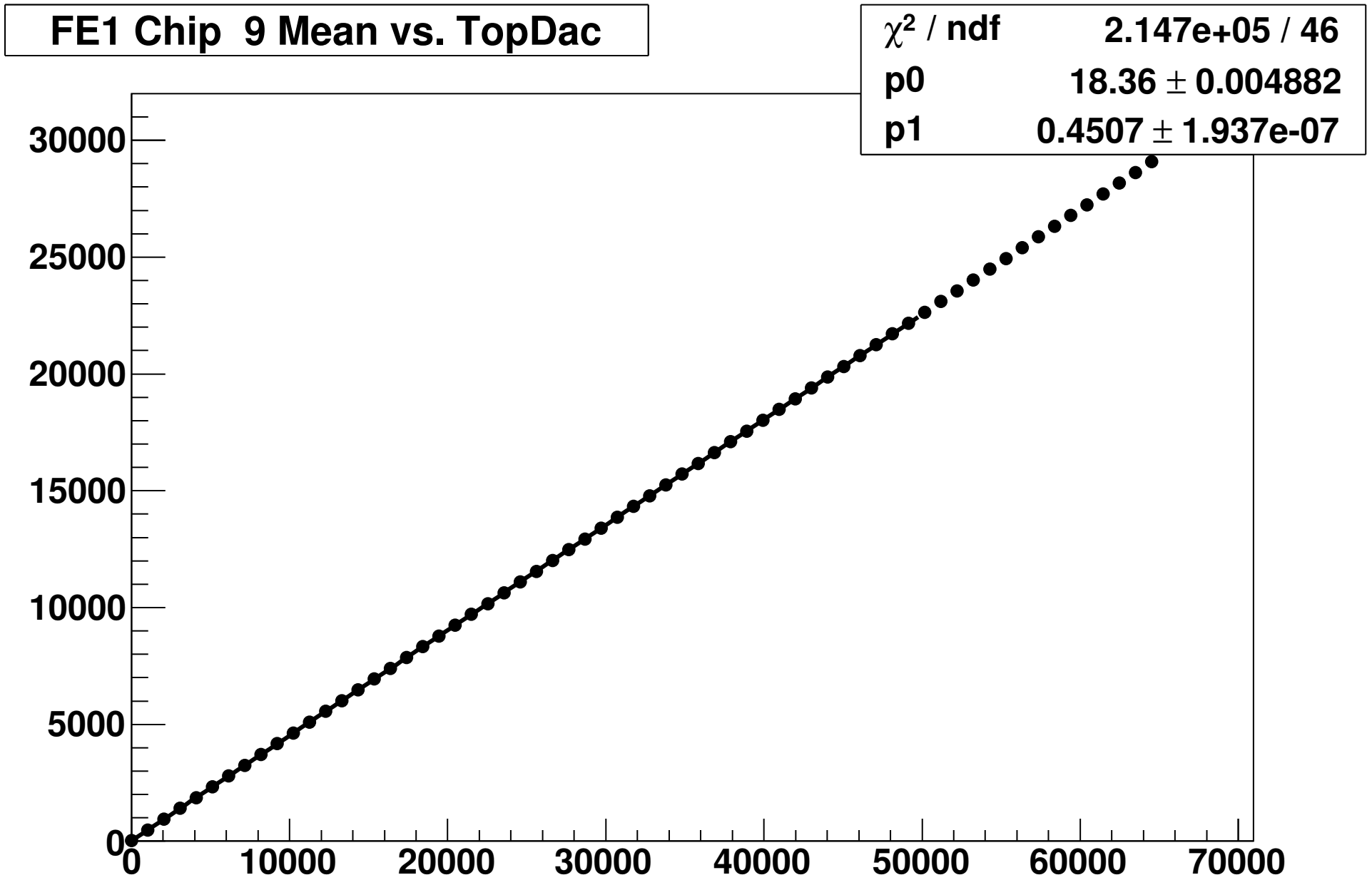

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 49.07 / 46
p0 1.588 ± 1
p1 8.732e-08 ± 1
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.516e+05 / 46
p0 14.59 ± 0.004863
p1 0.4507 ± 1.952e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1147 / 46
p0 1.42 ± 0.002731
p1 3.759e-05 ± 1.436e-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 9 Mean vs. BotDac
χ² / ndf 230.8 / 46
p0 19.75 ± 0.0047
p1 -1.584e-06 ± 1.632e-07
19.8
19.75
19.7
19.65
19.6
19.55
19.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 38.04 / 46
p0 1.522 ± 0.002463
p1 2.116e-06 ± 1.603e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 2.147e+05 / 46
p0 18.36 ± 0.004882
p1 0.4507 ± 1.937e-07
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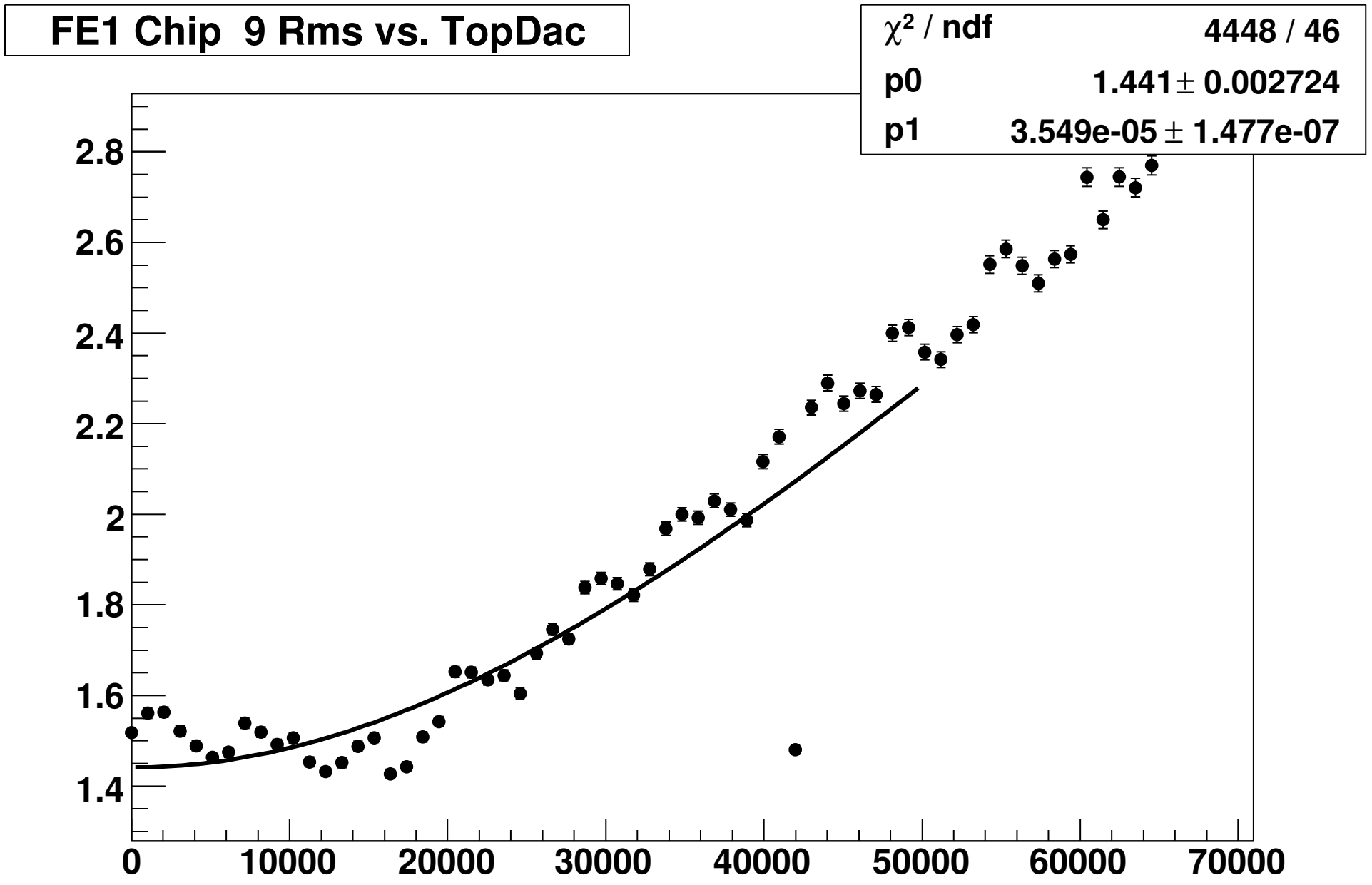
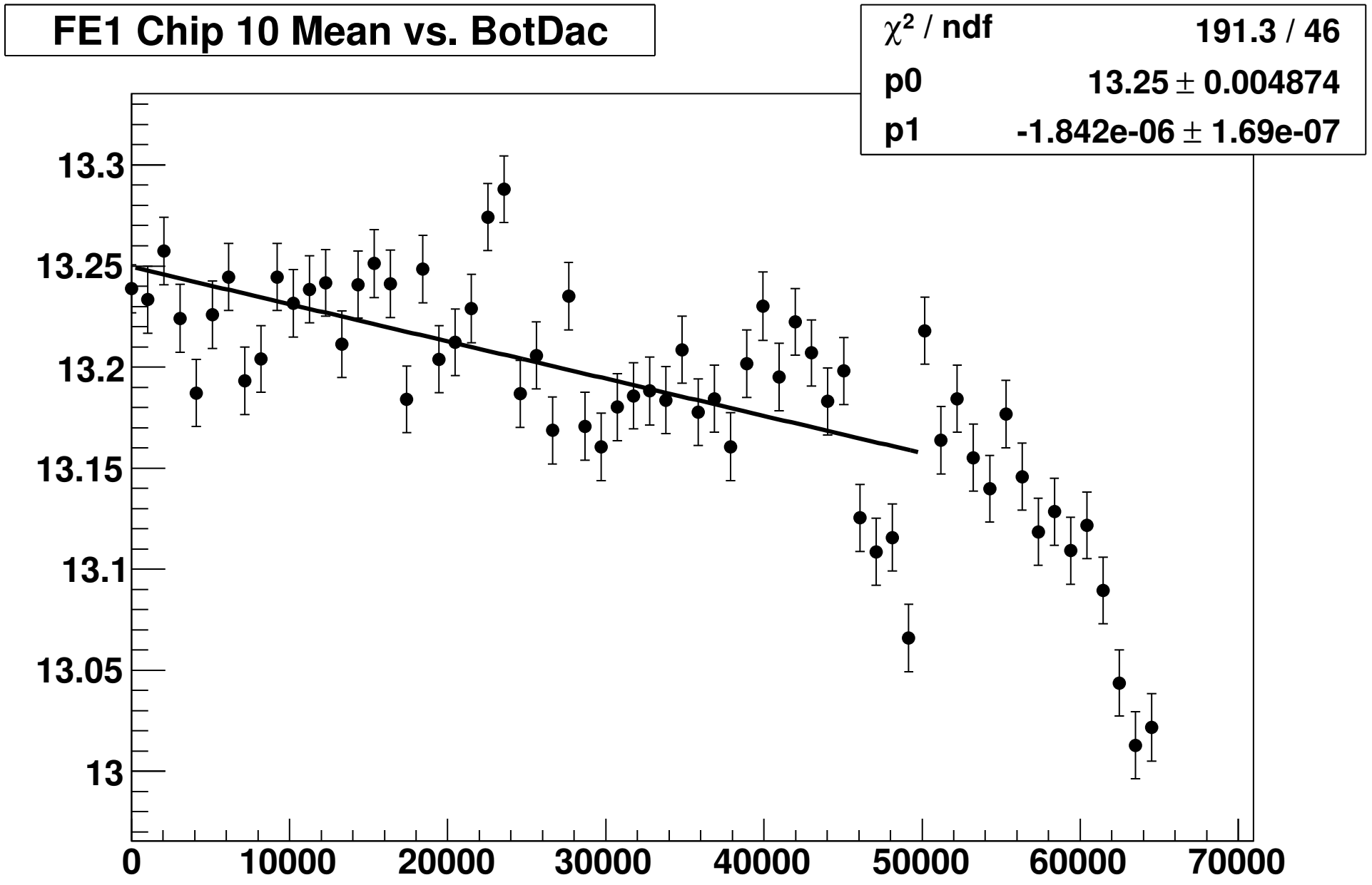
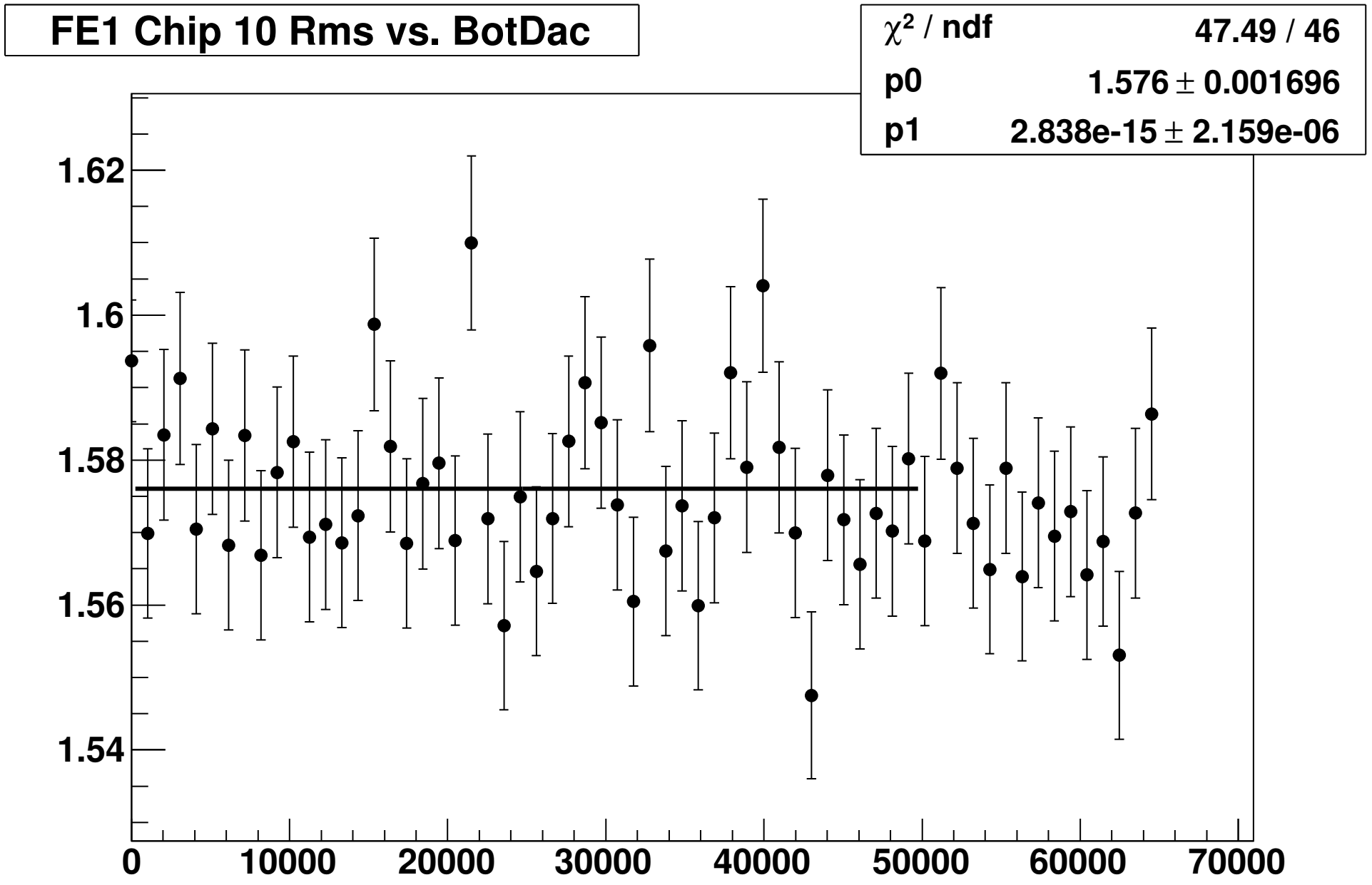
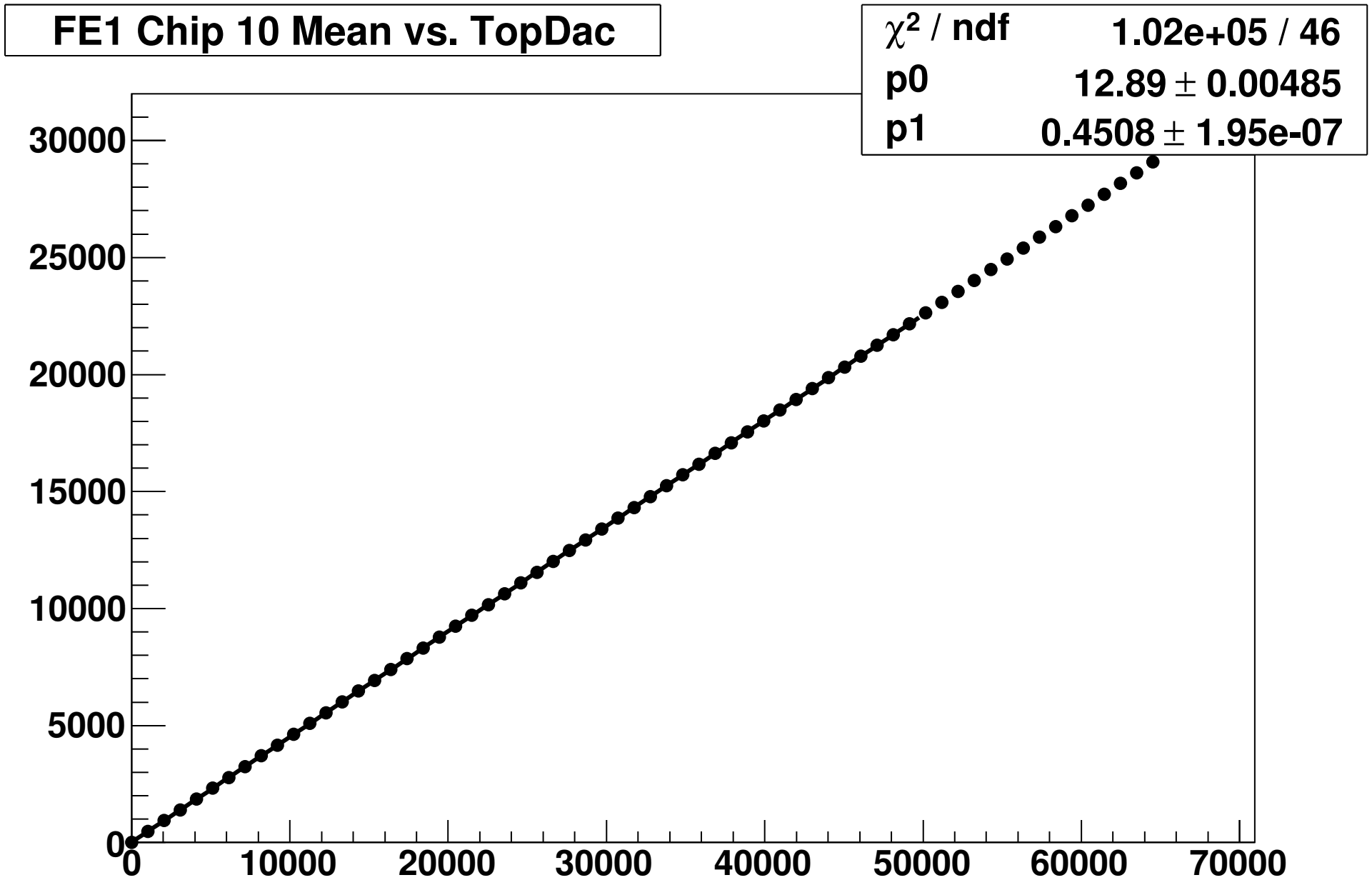
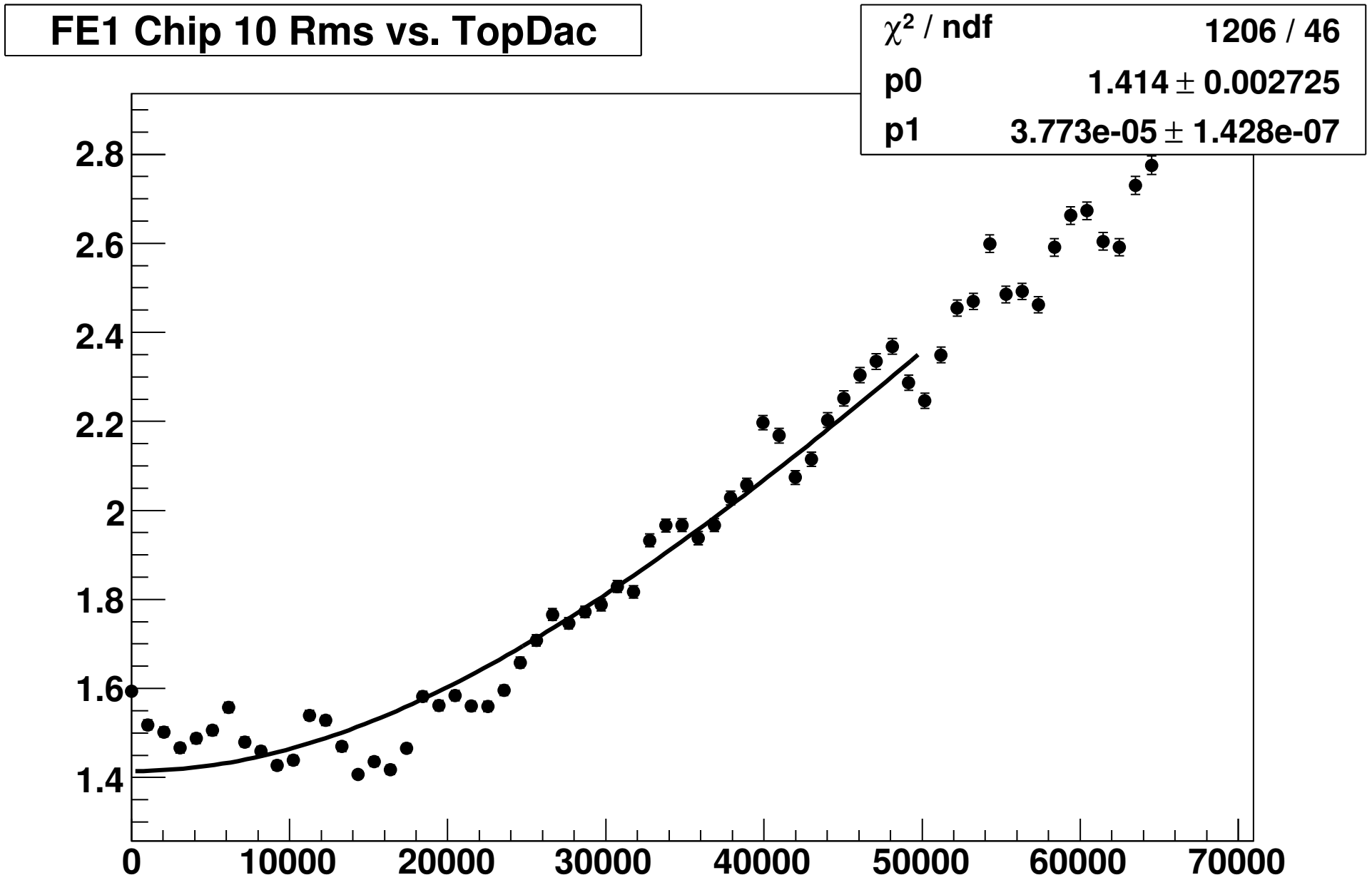
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

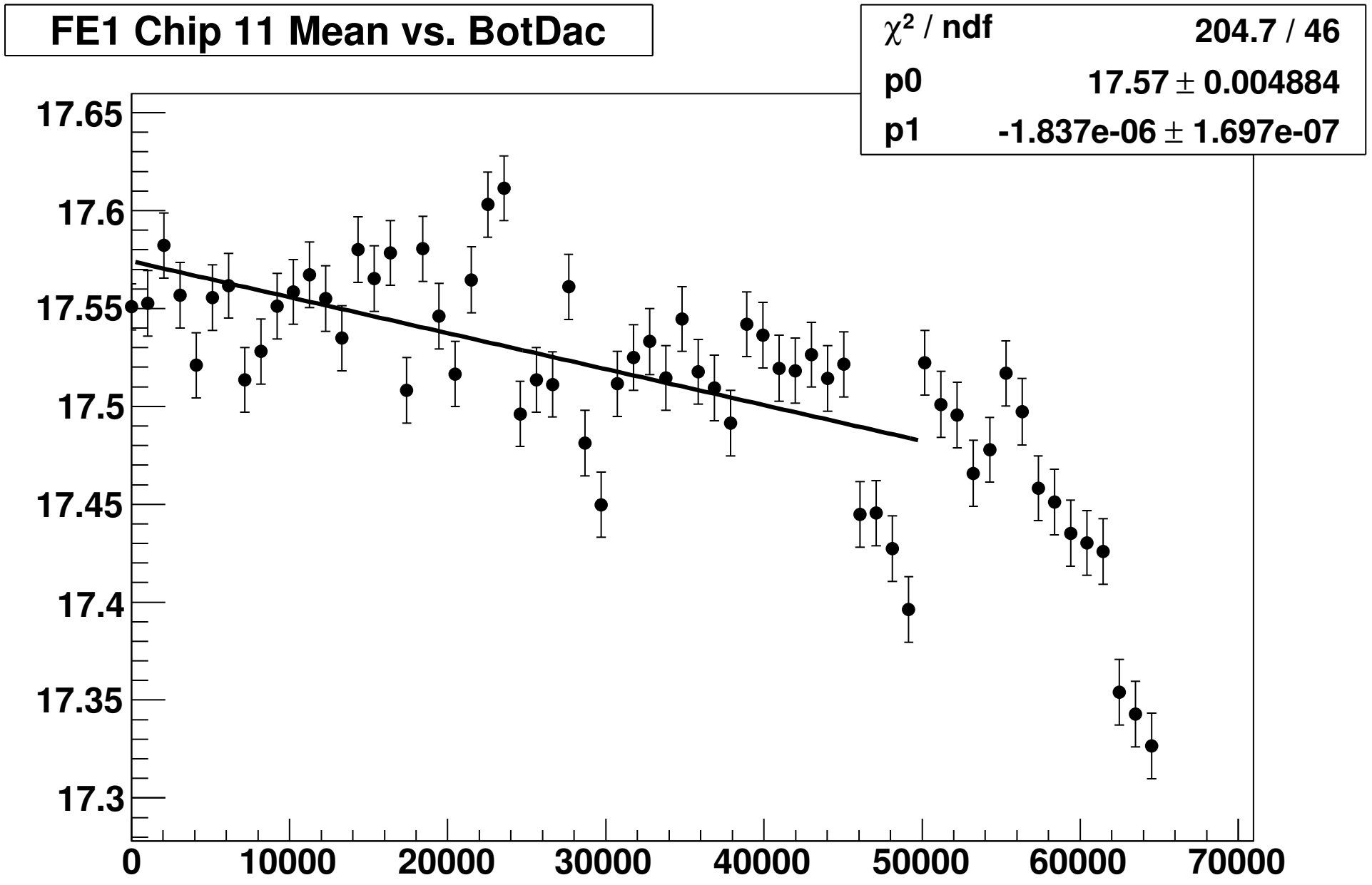

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 4448 / 46
p0 1.441 ± 0.002724
p1 3.549e-05 ± 1.477e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

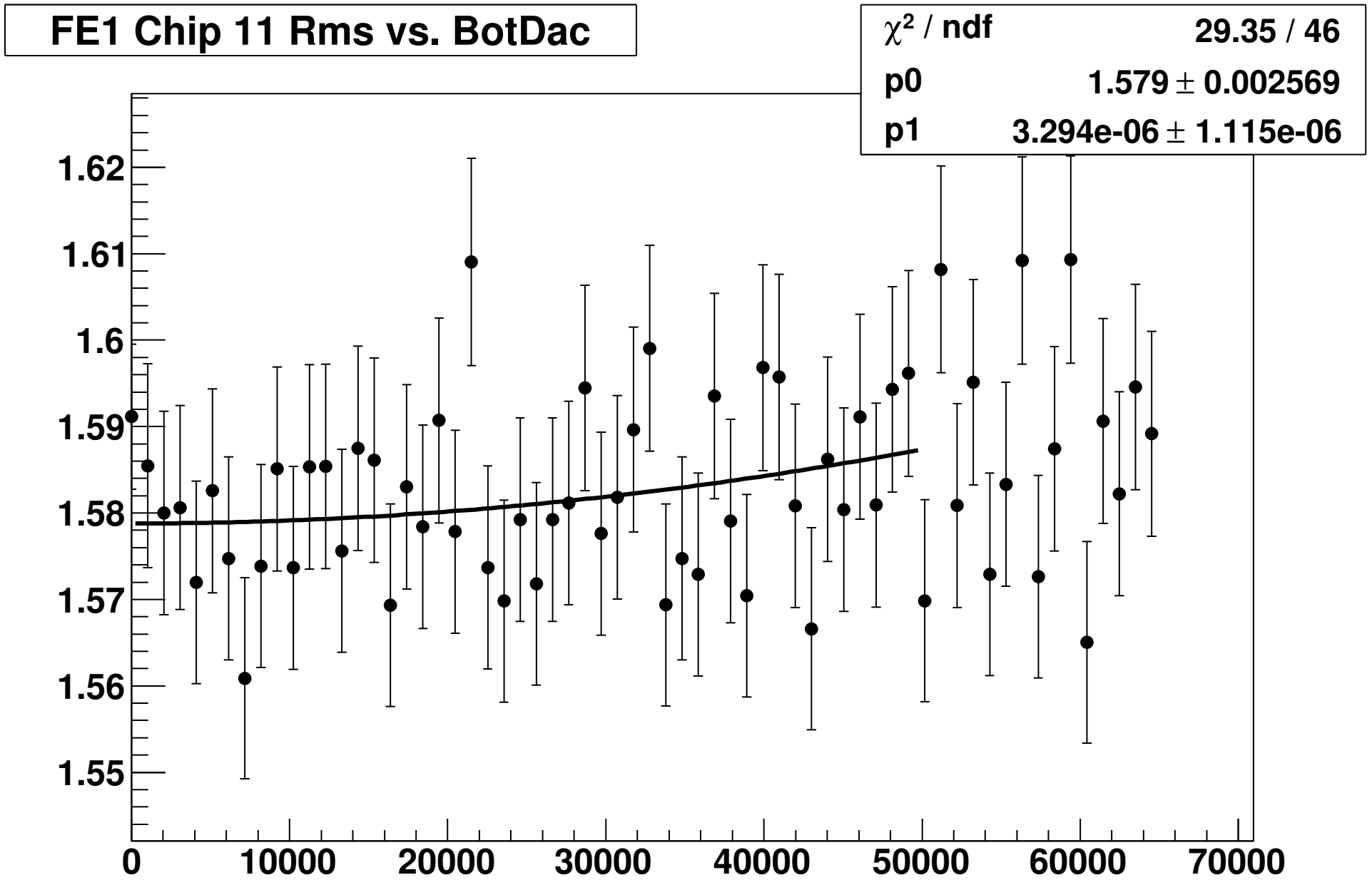

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 191.3 / 46
p0 13.25 ± 0.004874
p1 -1.842e-06 ± 1.69e-07
13.3
13.25
13.2
13.15
13.1
13.05
13
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 47.49 / 46
p0 1.576 ± 0.001696
p1 2.838e-15 ± 2.159e-06
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.02e+05 / 46
p0 12.89 ± 0.00485
p1 0.4508 ± 1.95e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1206 / 46
p0 1.414 ± 0.002725
p1 3.773e-05 ± 1.428e-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 204.7 / 46
p0 17.57 ± 0.004884
p1 -1.837e-06 ± 1.697e-07
17.65
17.6
17.55
17.5
17.45
17.4
17.35
17.3
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 29.35 / 46
p0 1.579 ± 0.002569
p1 3.294e-06 ± 1.115e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
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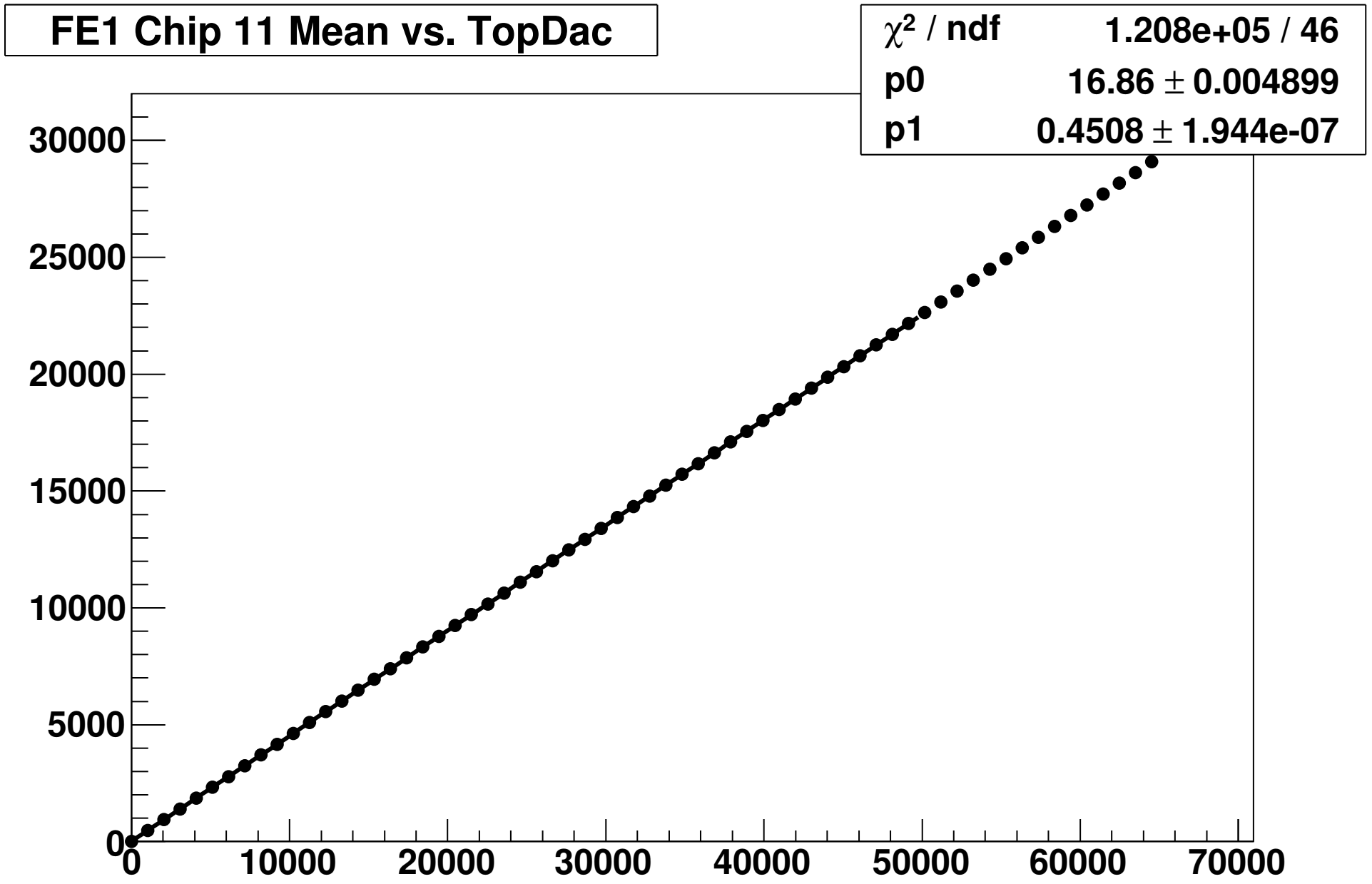
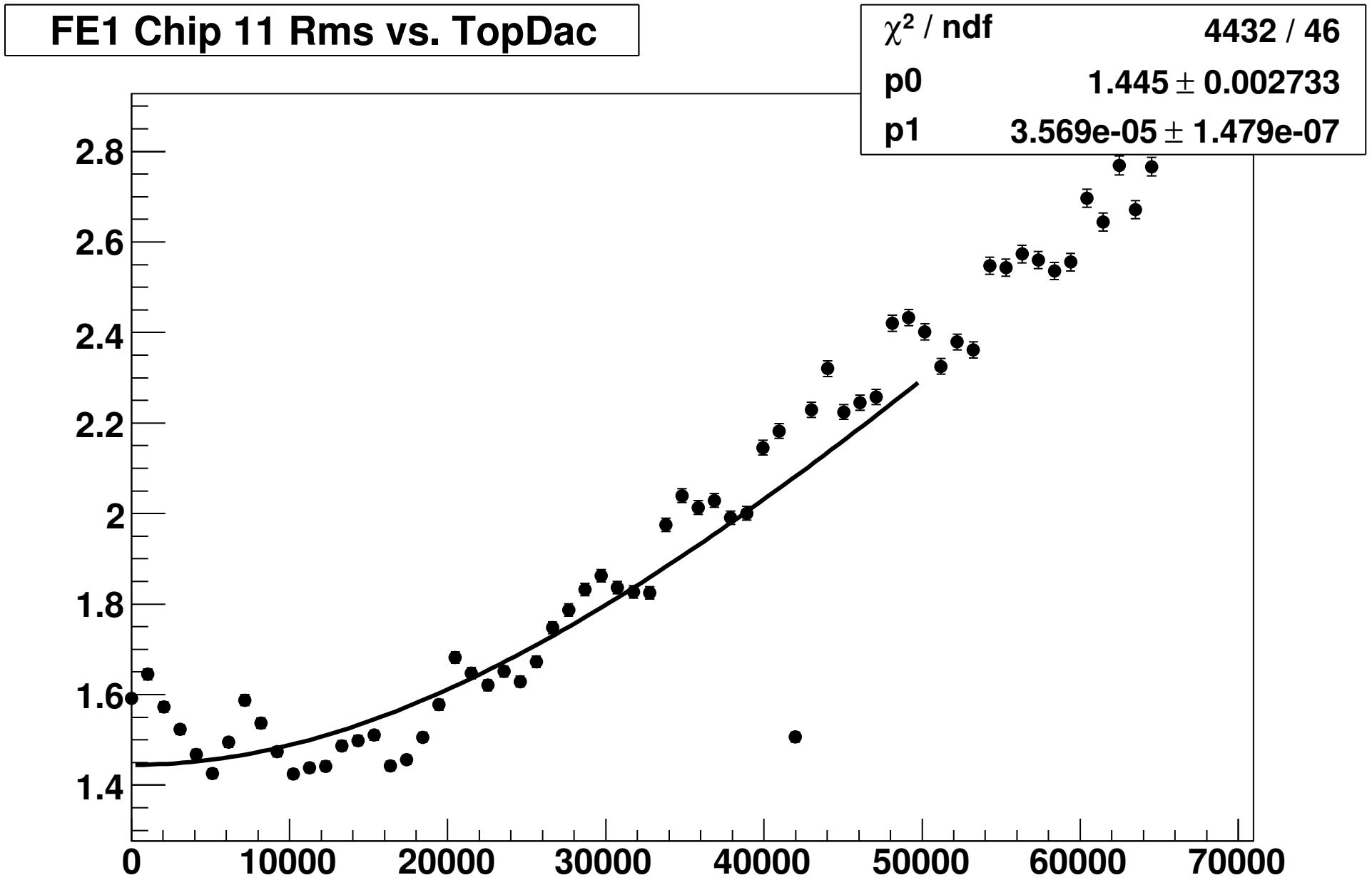
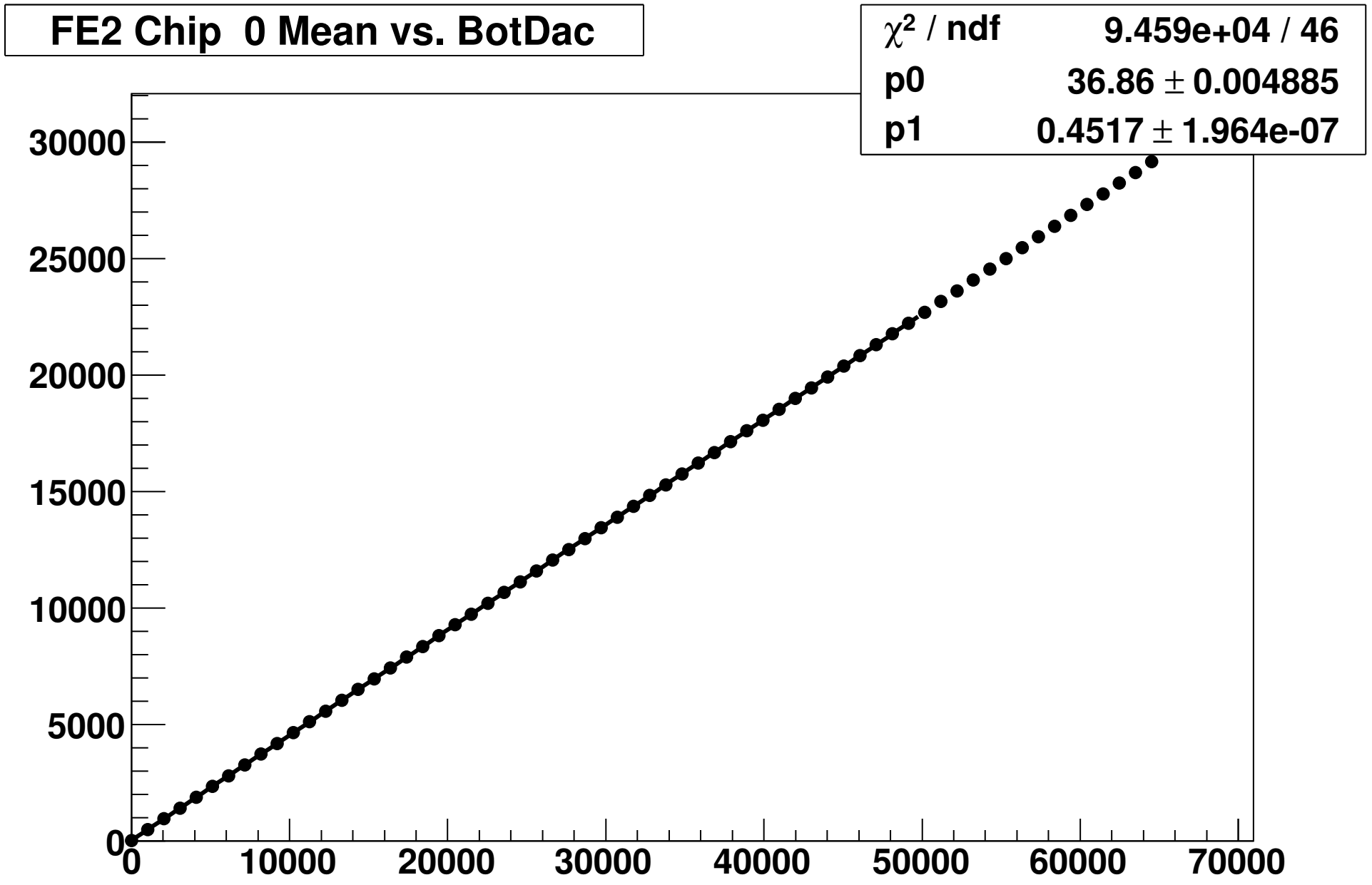
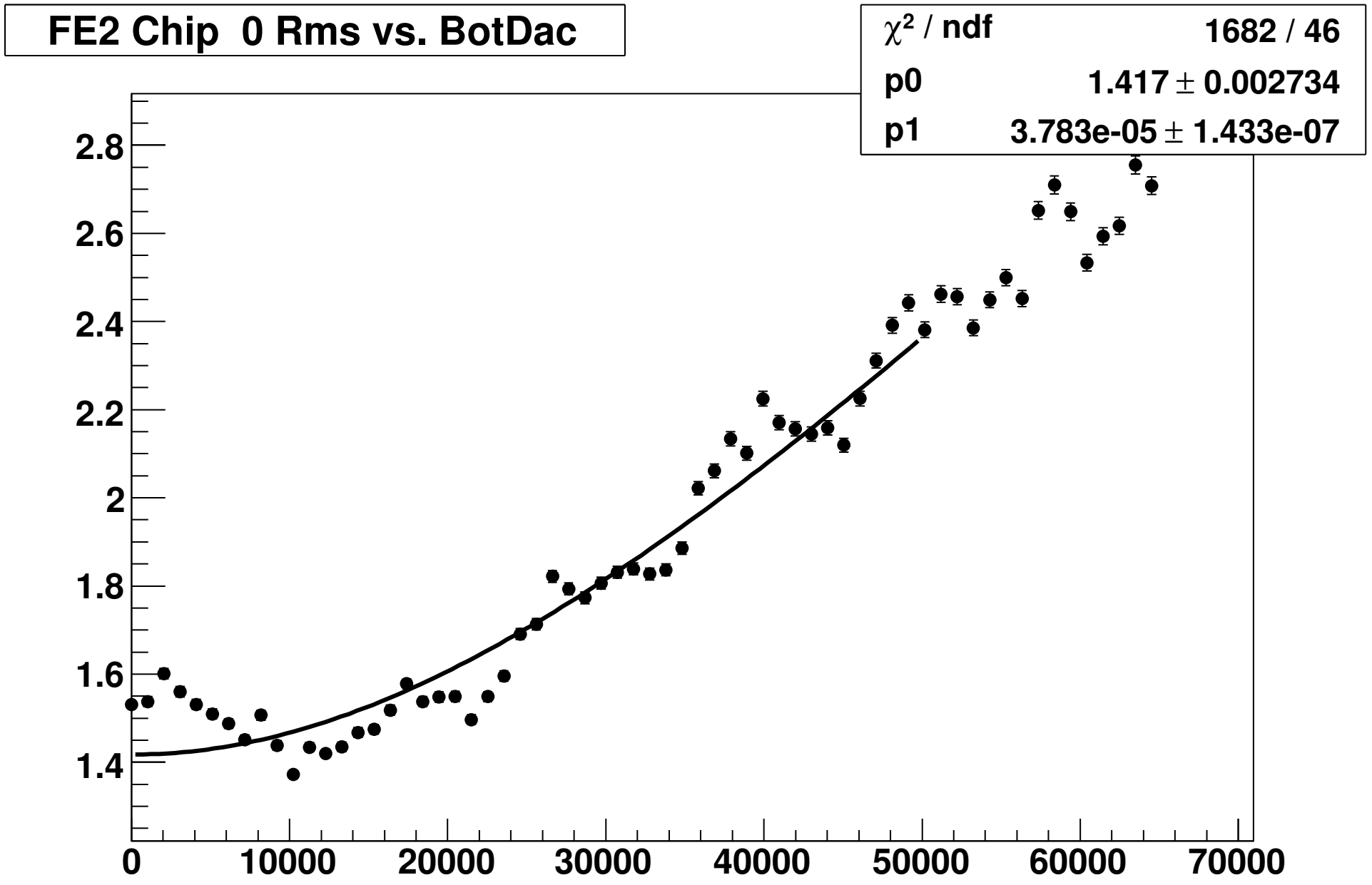
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.208e+05 / 46
p0 16.86 ± 0.004899
p1 0.4508 ± 1.944e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 4432 / 46
p0 1.445 ± 0.002733
p1 3.569e-05 ± 1.479e-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 9.459e+04 / 46
p0 36.86 ± 0.004885
p1 0.4517 ± 1.964e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1682 / 46
p0 1.417 ± 0.002734
p1 3.783e-05 ± 1.433e-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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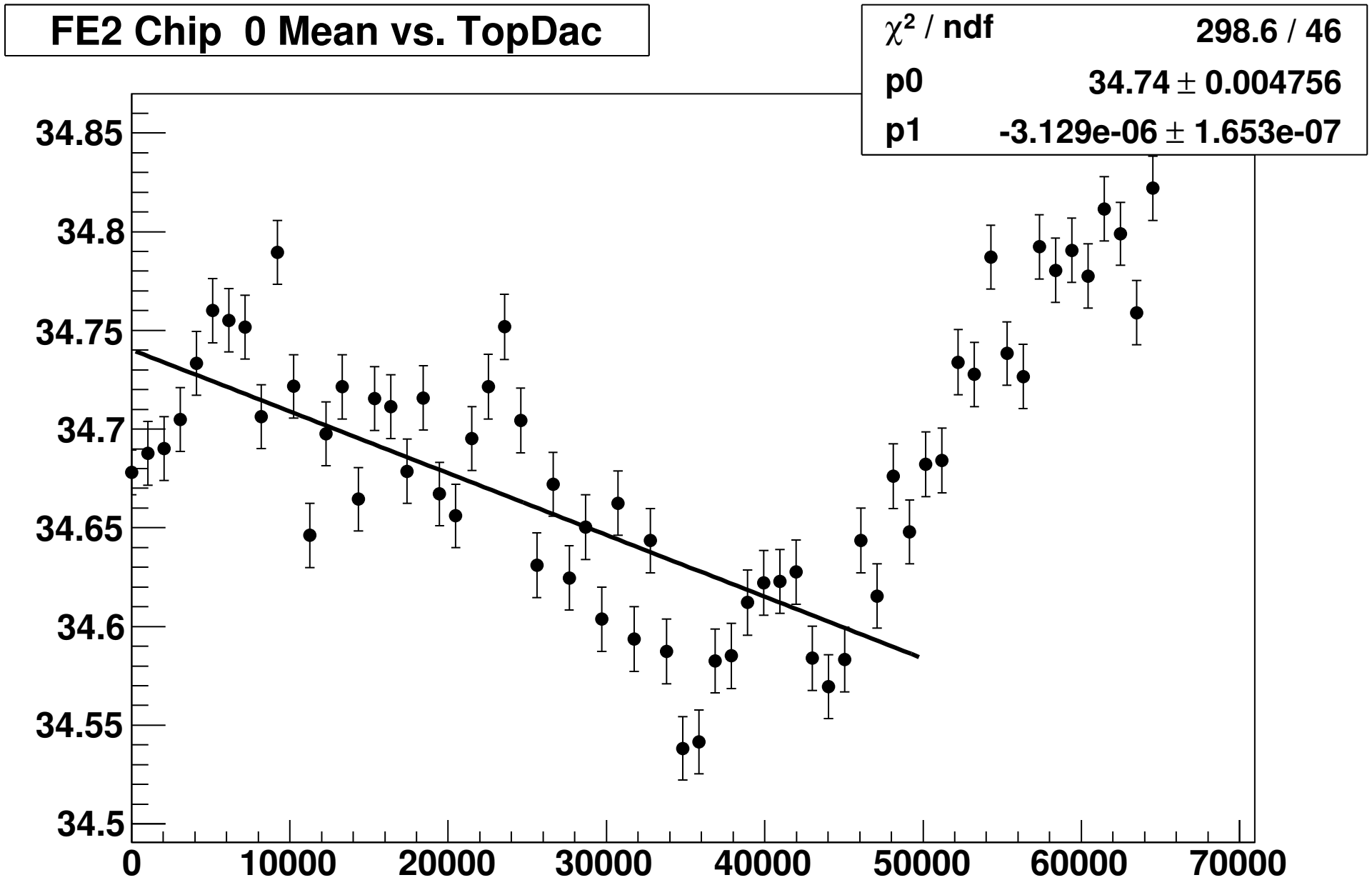
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 298.6 / 46
p0 34.74 ± 0.004756
p1 -3.129e-06 ± 1.653e-07
34.85
34.8
34.75
34.7
34.65
34.6
34.55
34.5
0
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20000
30000
40000
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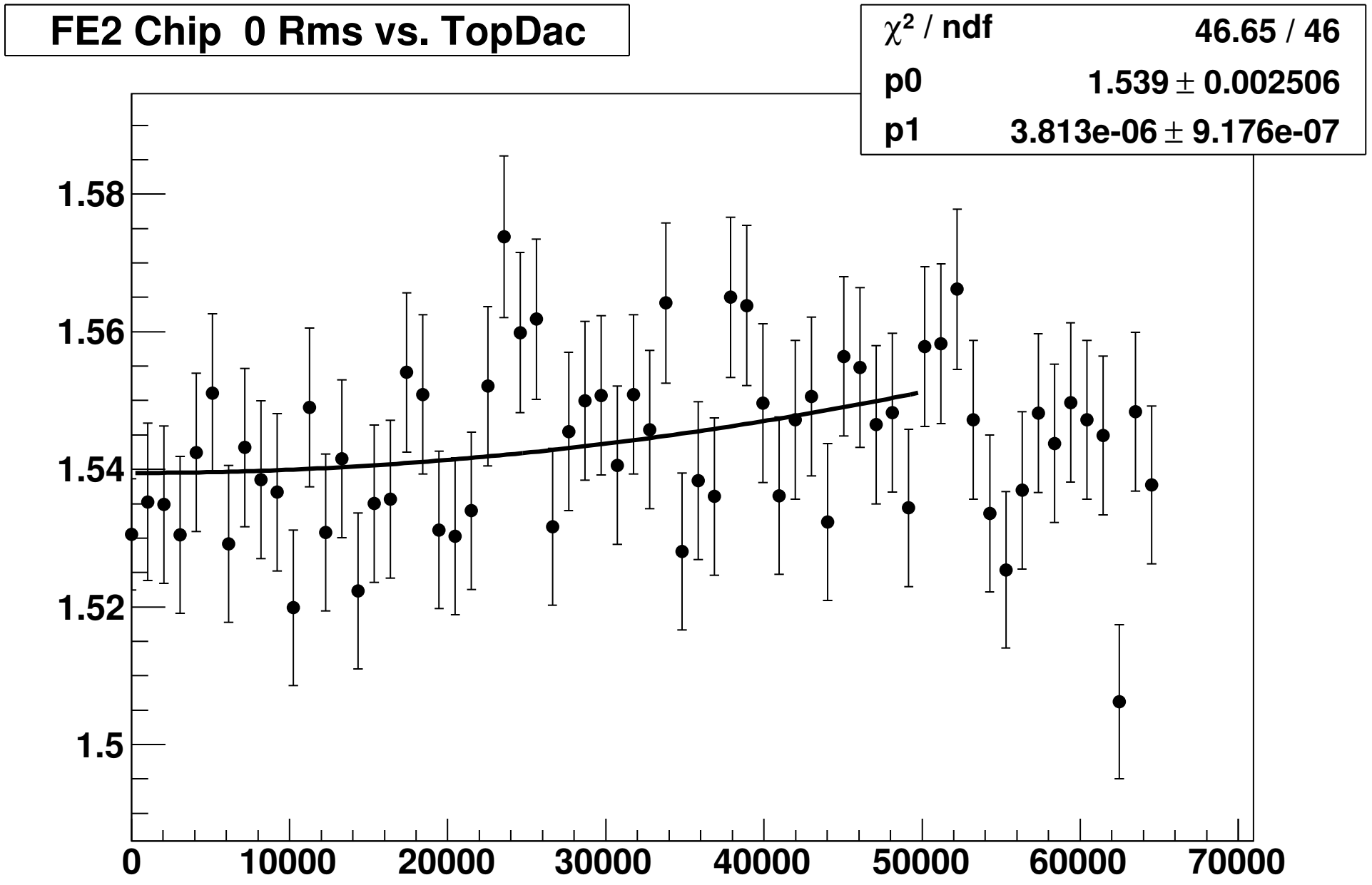
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 46.65 / 46
p0 1.539 ± 0.002506
p1 3.813e-06 ± 9.176e-07
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
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50000
60000
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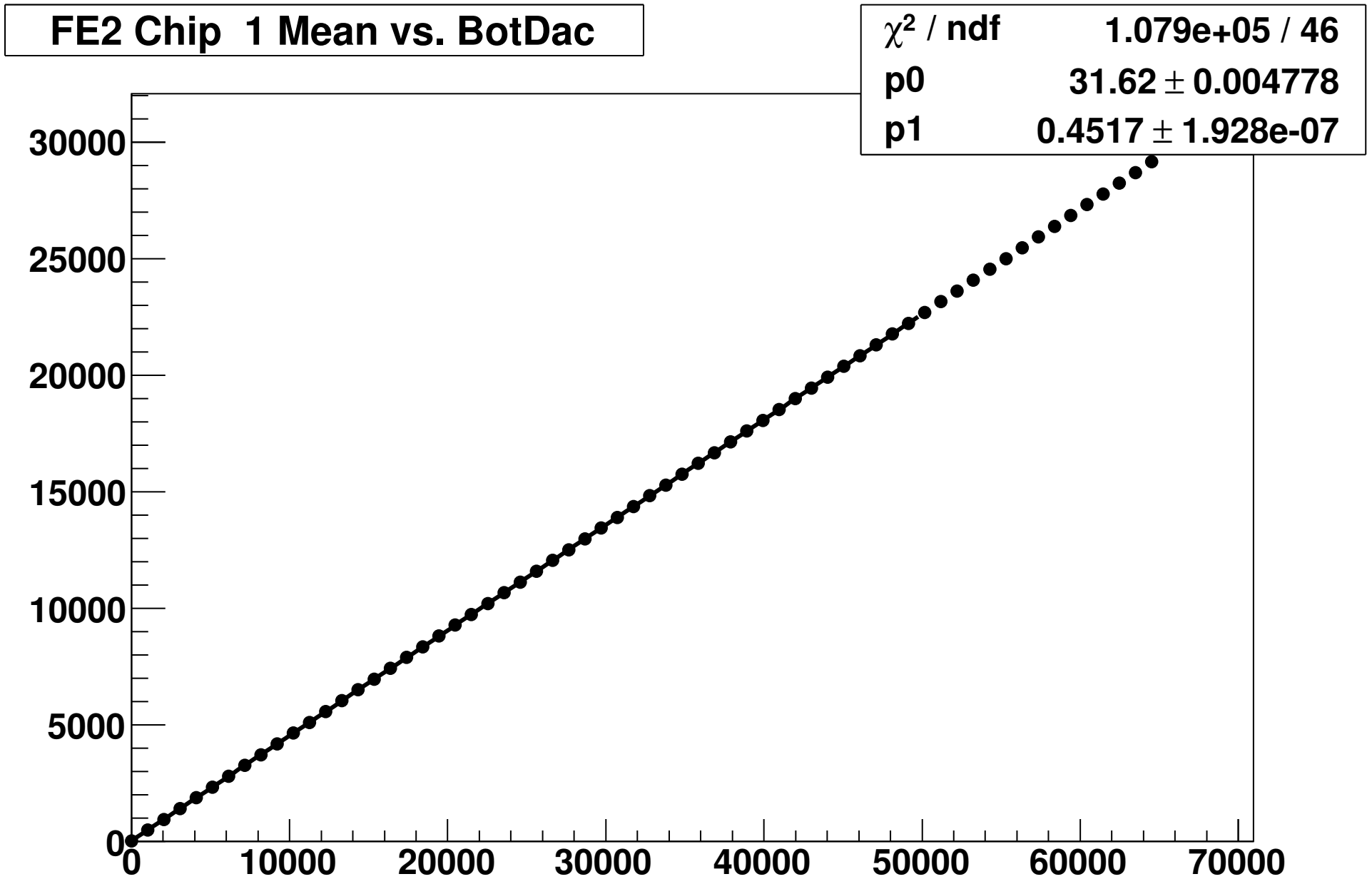
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.079e+05 / 46
p0 31.62 ± 0.004778
p1 0.4517 ± 1.928e-07
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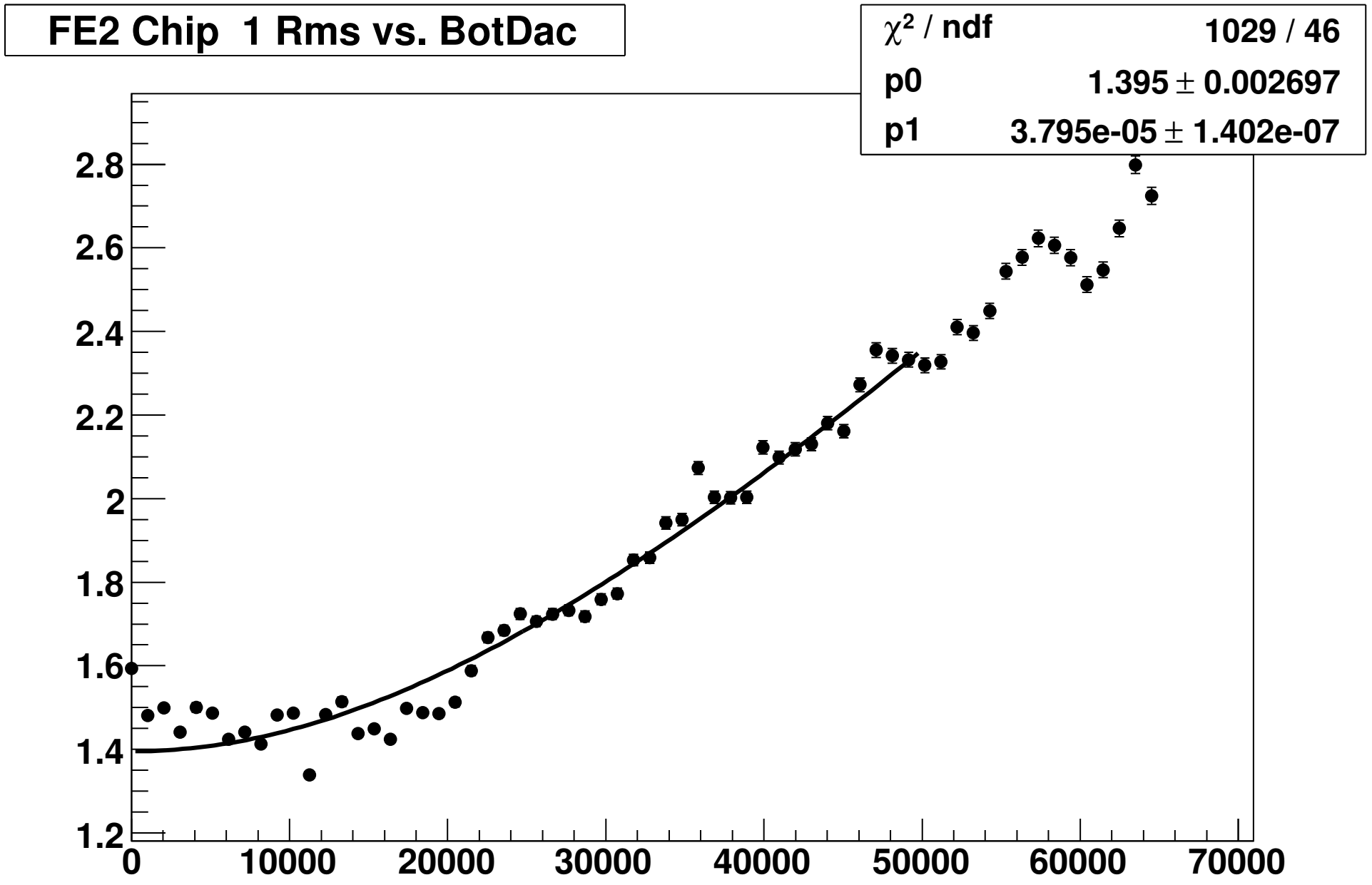
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 1029 / 46
p0 1.395 ± 0.002697
p1 3.795e-05 ± 1.402e-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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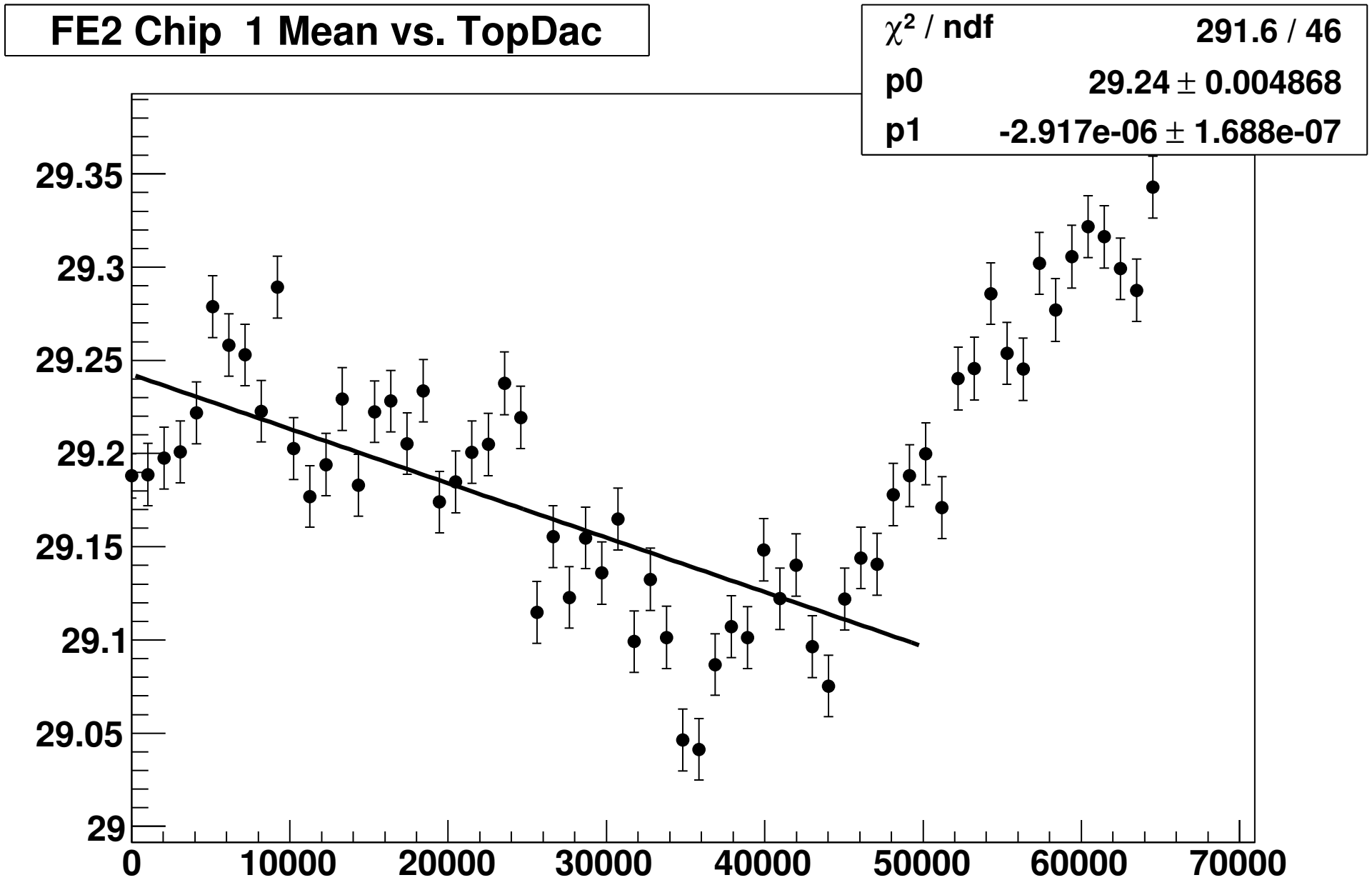
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 291.6 / 46
p0 29.24 ± 0.004868
p1 -2.917e-06 ± 1.688e-07
29.35
29.3
29.25
29.2
29.15
29.1
29.05
29
0
10000
20000
30000
40000
50000
60000
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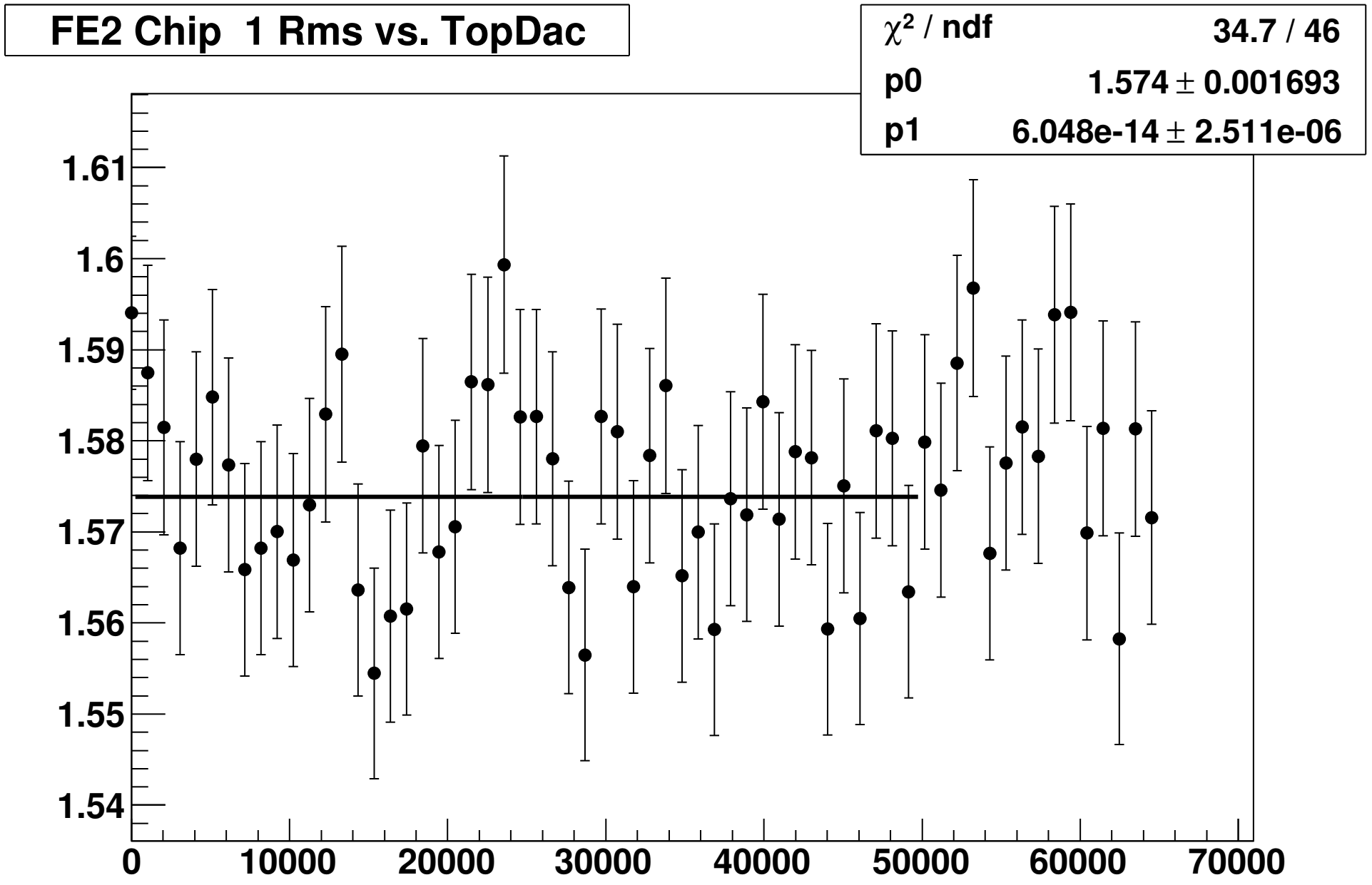
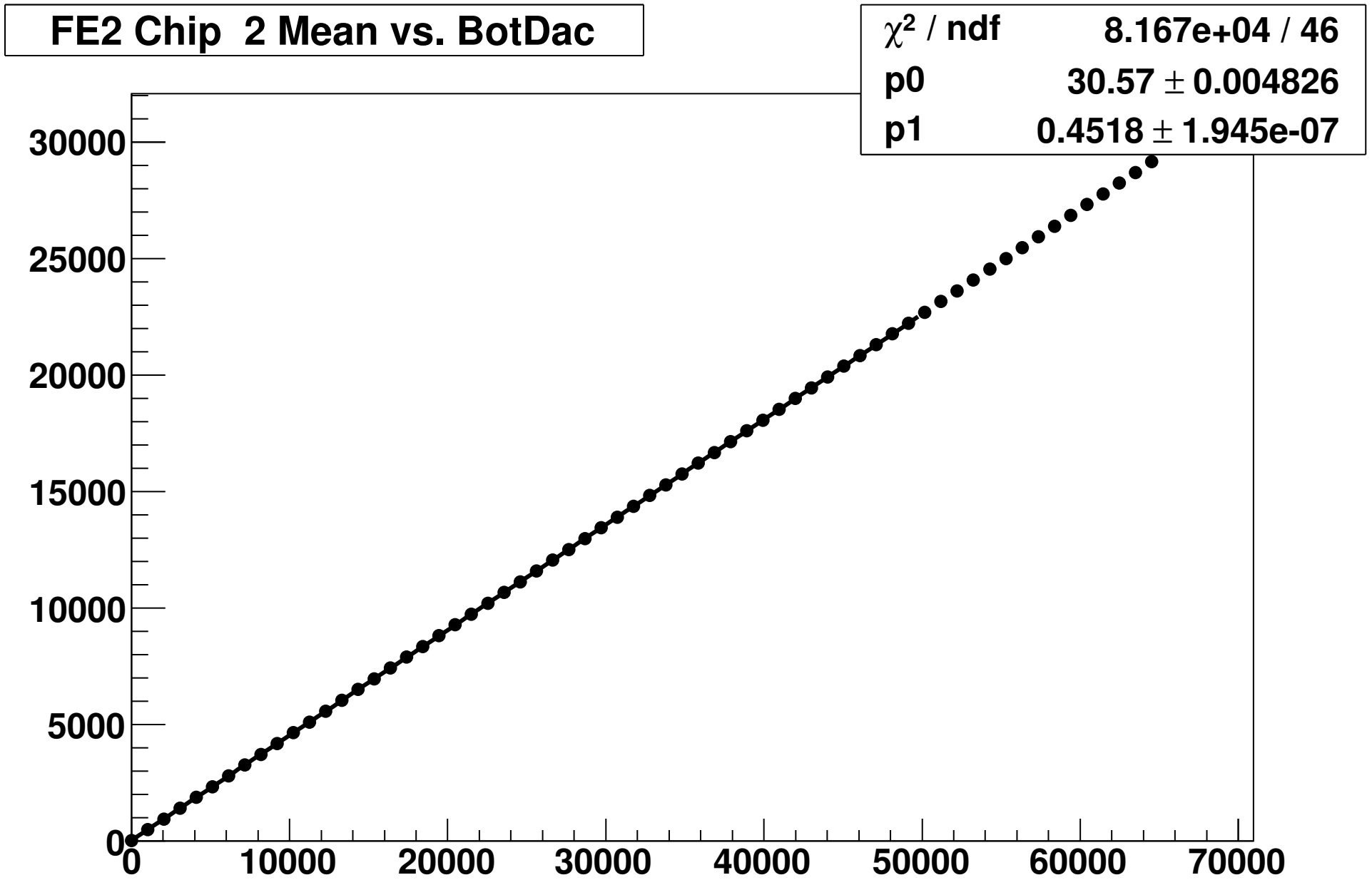
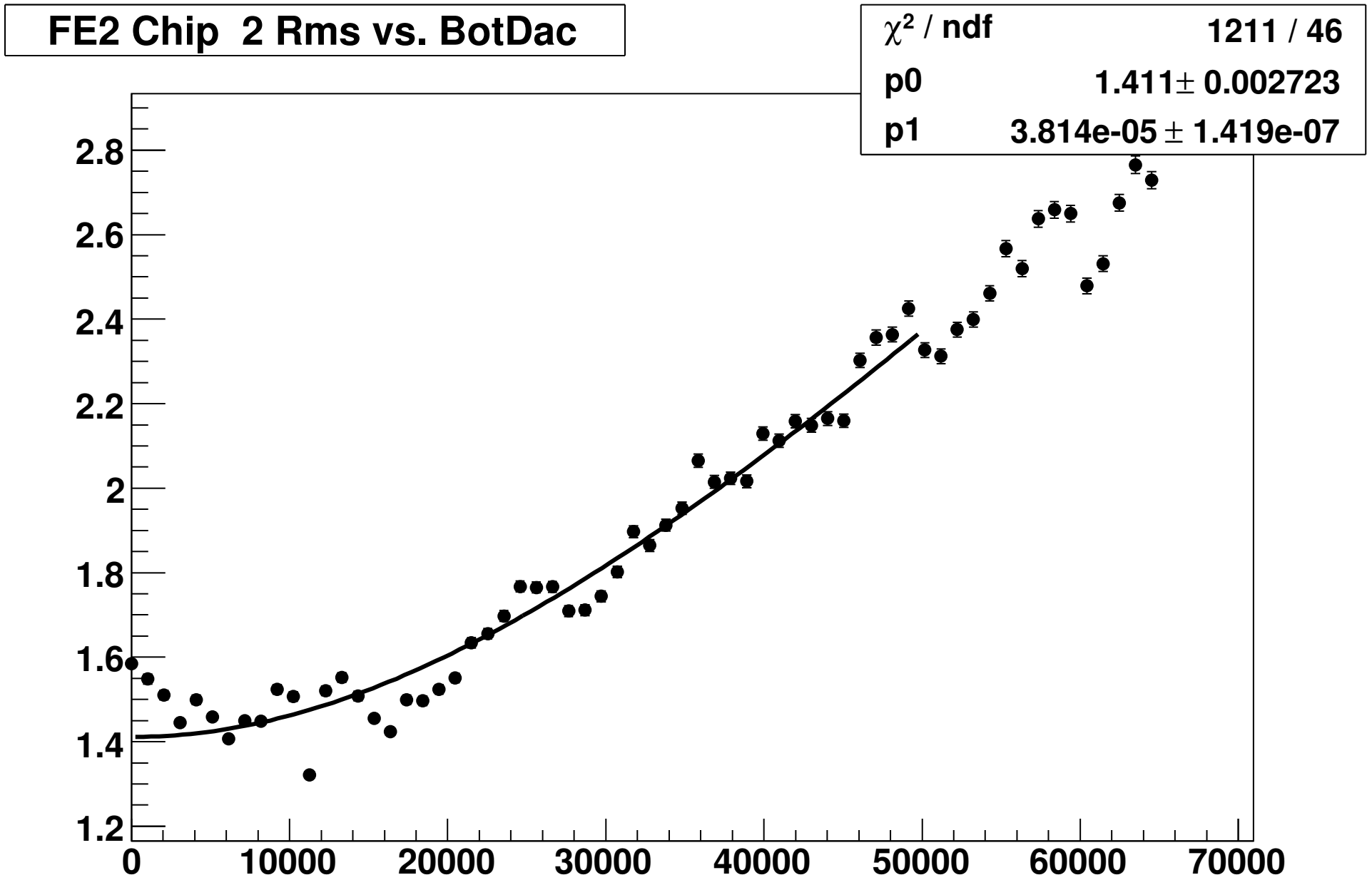

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 34.7 / 46
p0 1.574 ± 0.001693
p1 6.048e-14 ± 2.511e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 8.167e+04 / 46
p0 30.57 ± 0.004826
p1 0.4518 ± 1.945e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 1211 / 46
p0 1.411 ± 0.002723
p1 3.814e-05 ± 1.419e-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
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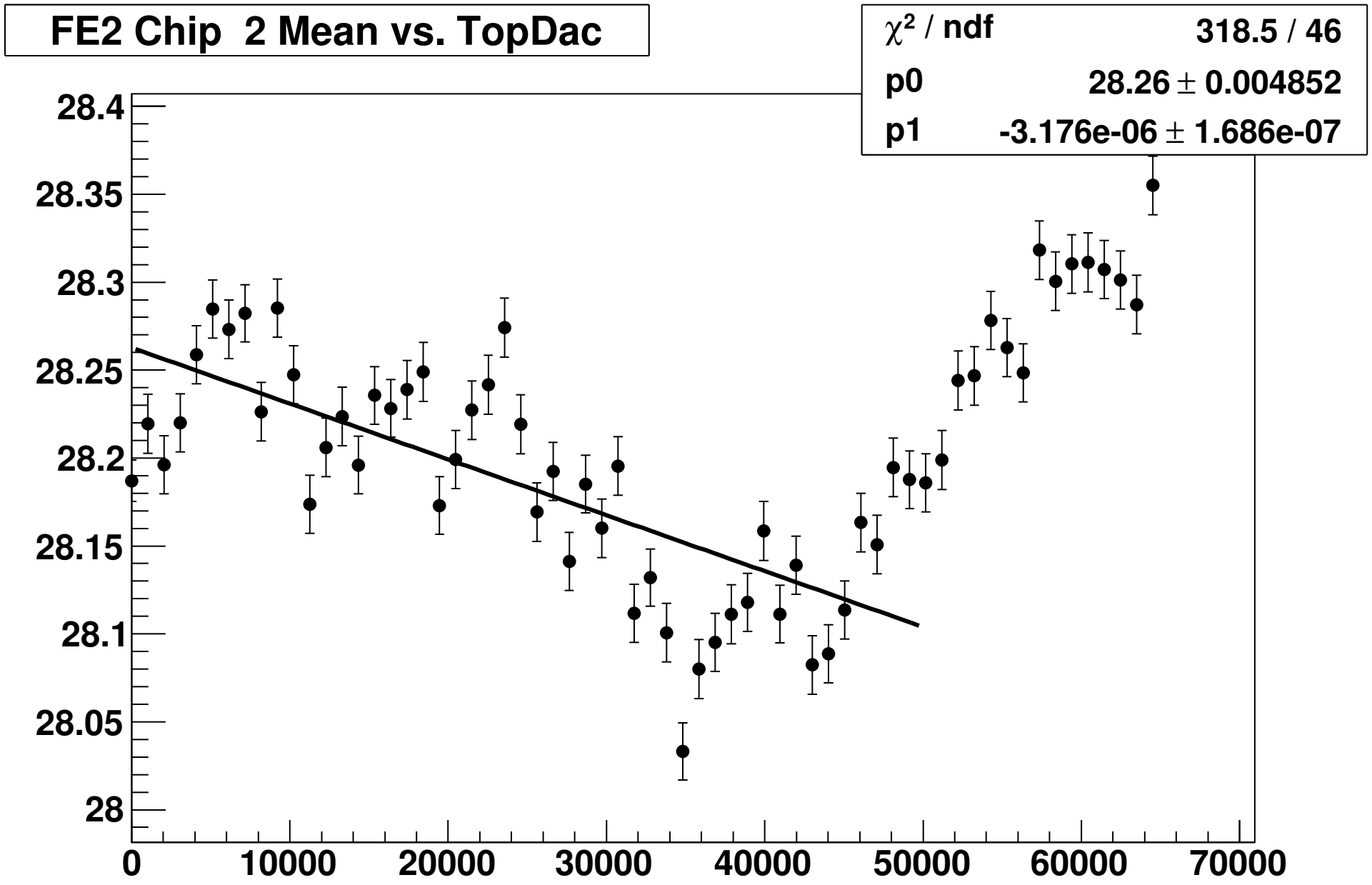
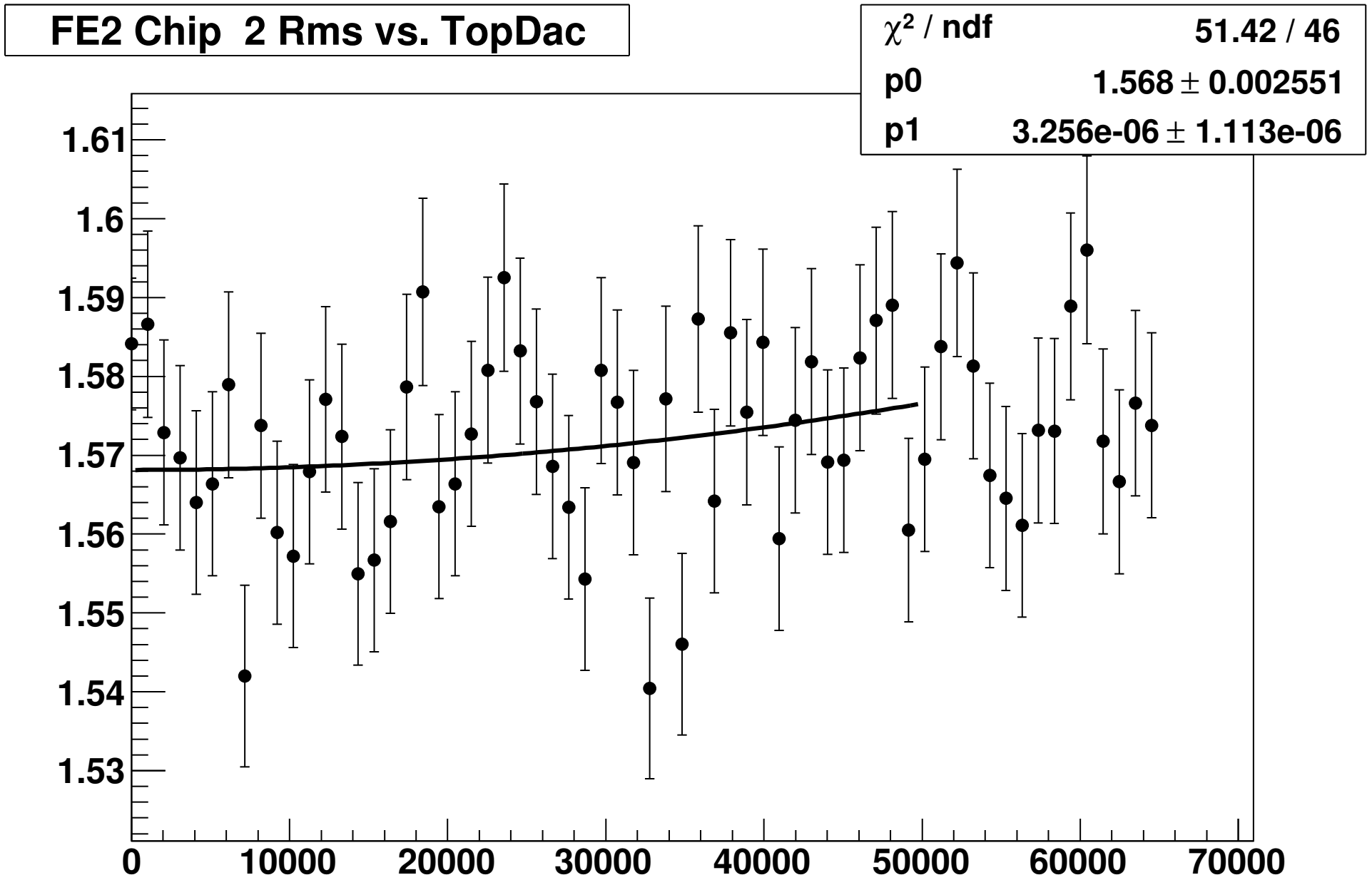
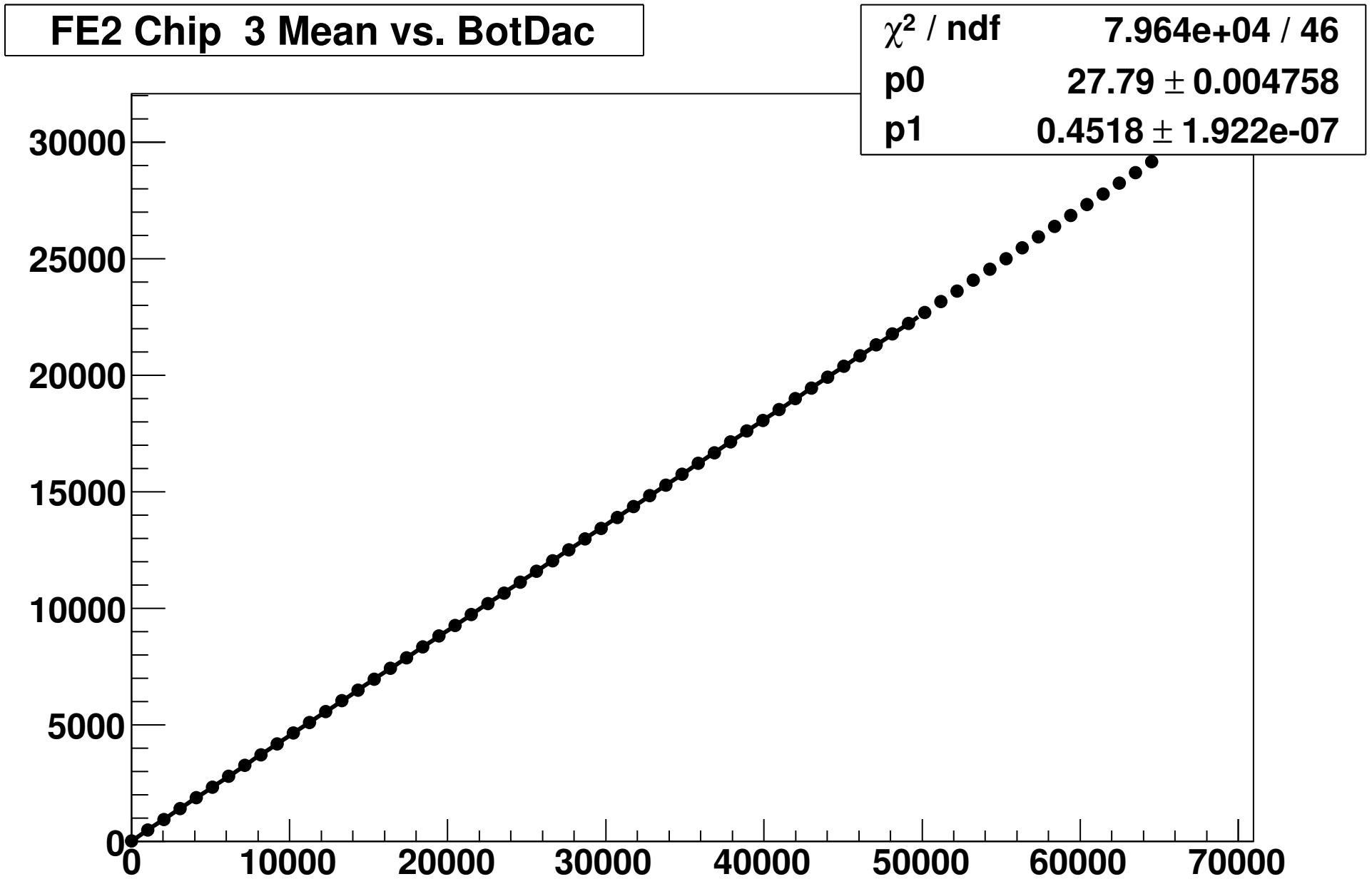
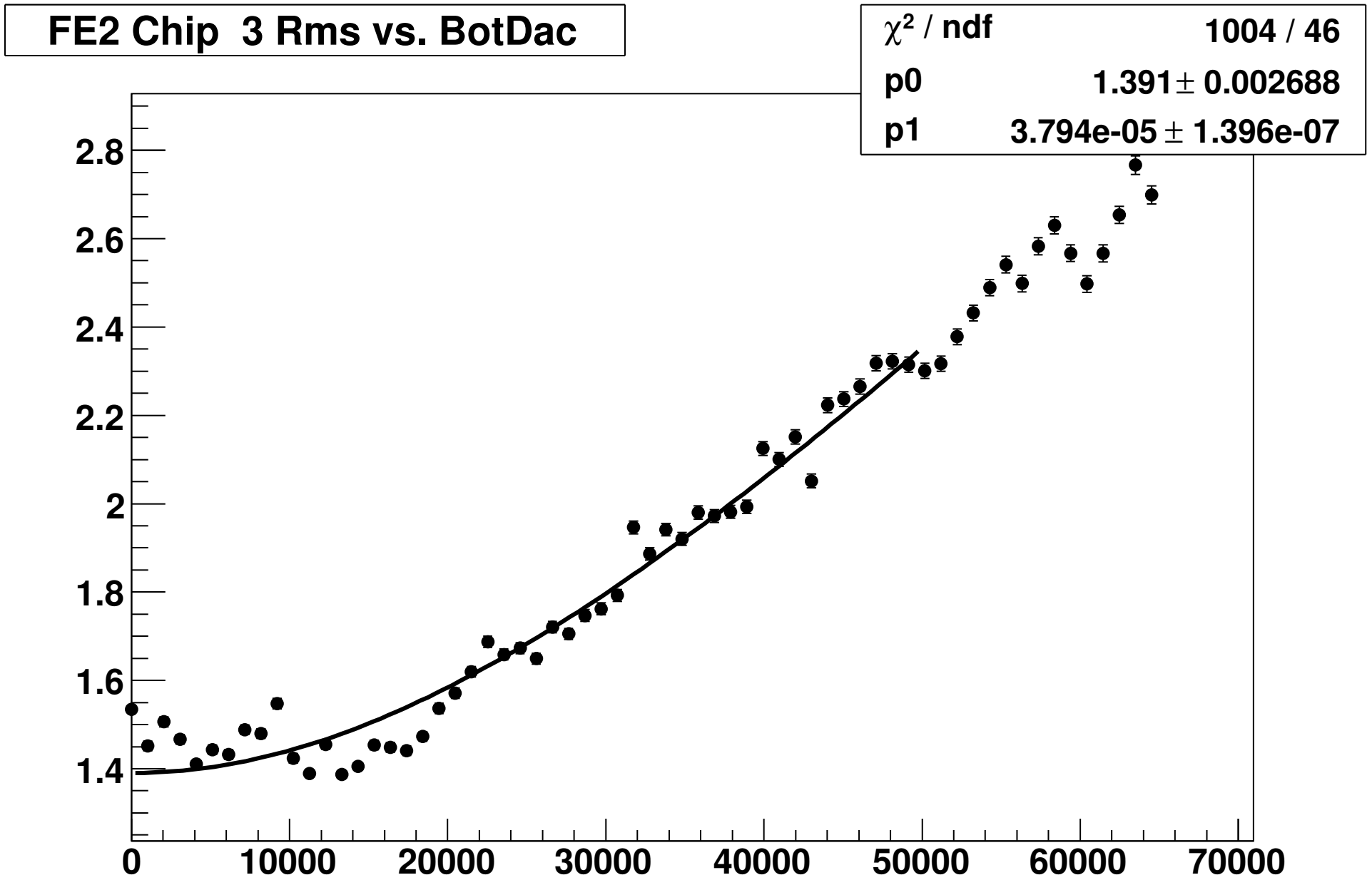
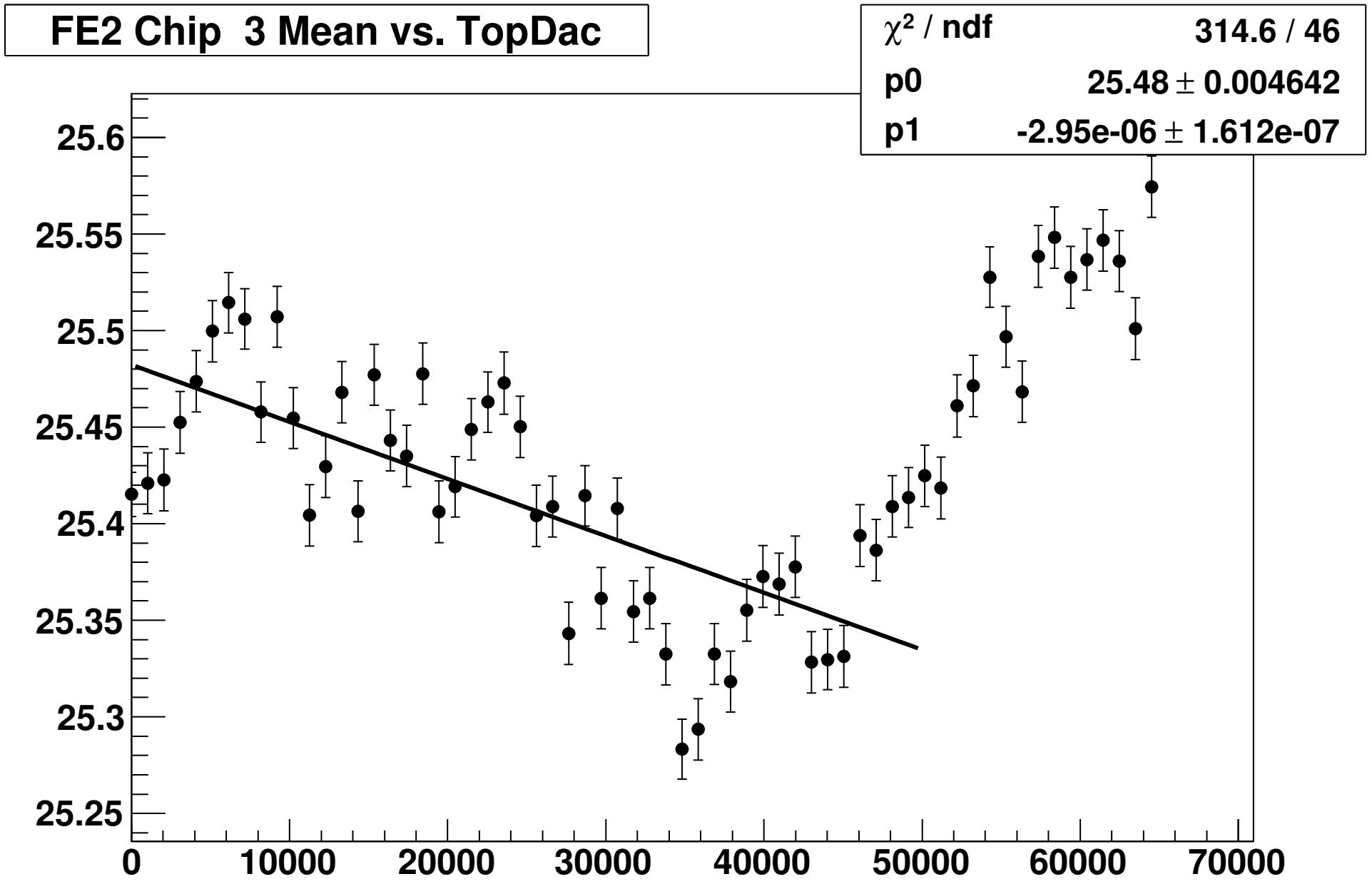
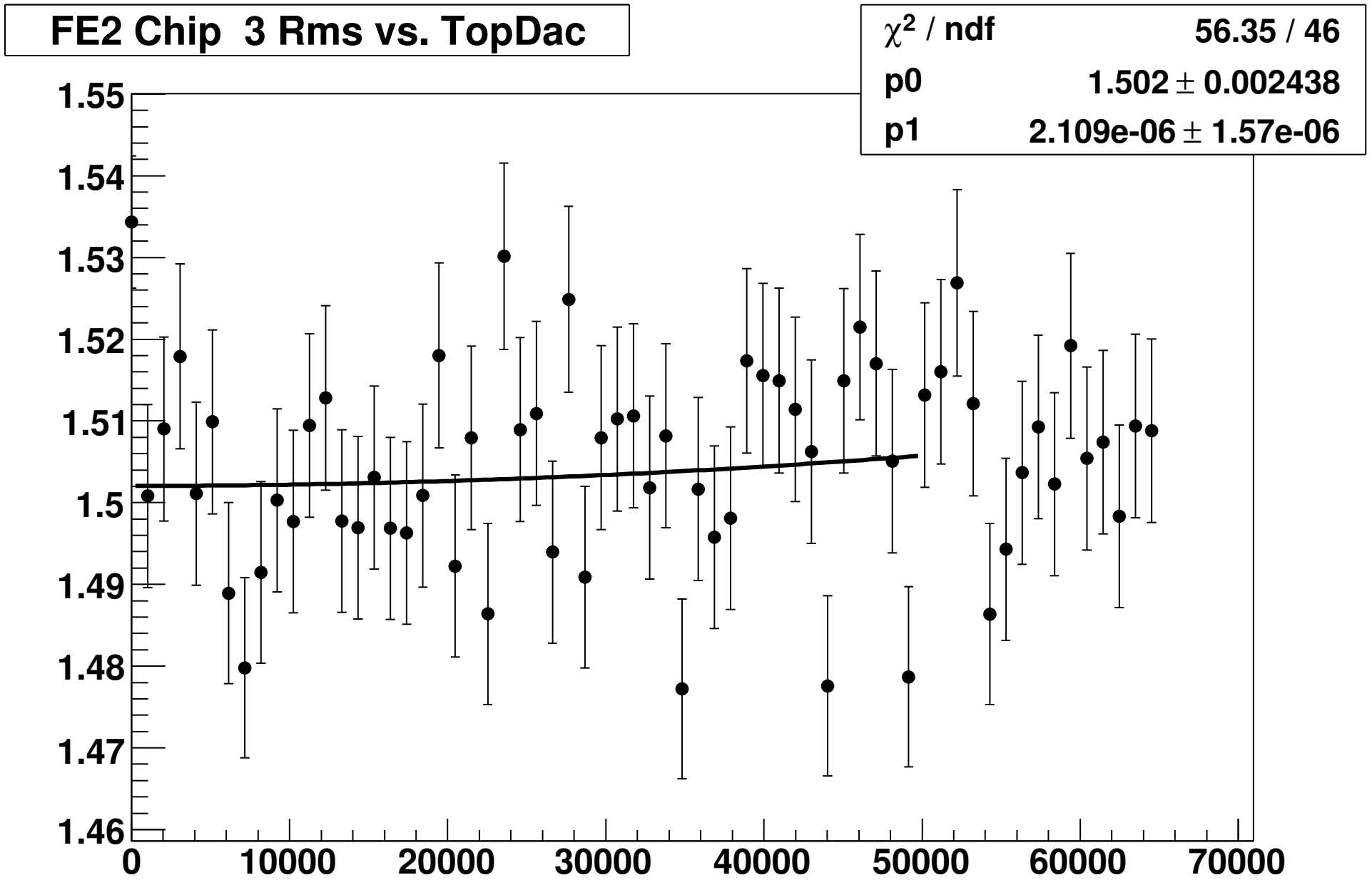

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 318.5 / 46
p0 28.26 ± 0.004852
p1 -3.176e-06 ± 1.686e-07
28.4
28.35
28.3
28.25
28.2
28.15
28.1
28.05
28
0
10000
20000
30000
40000
50000
60000
70000

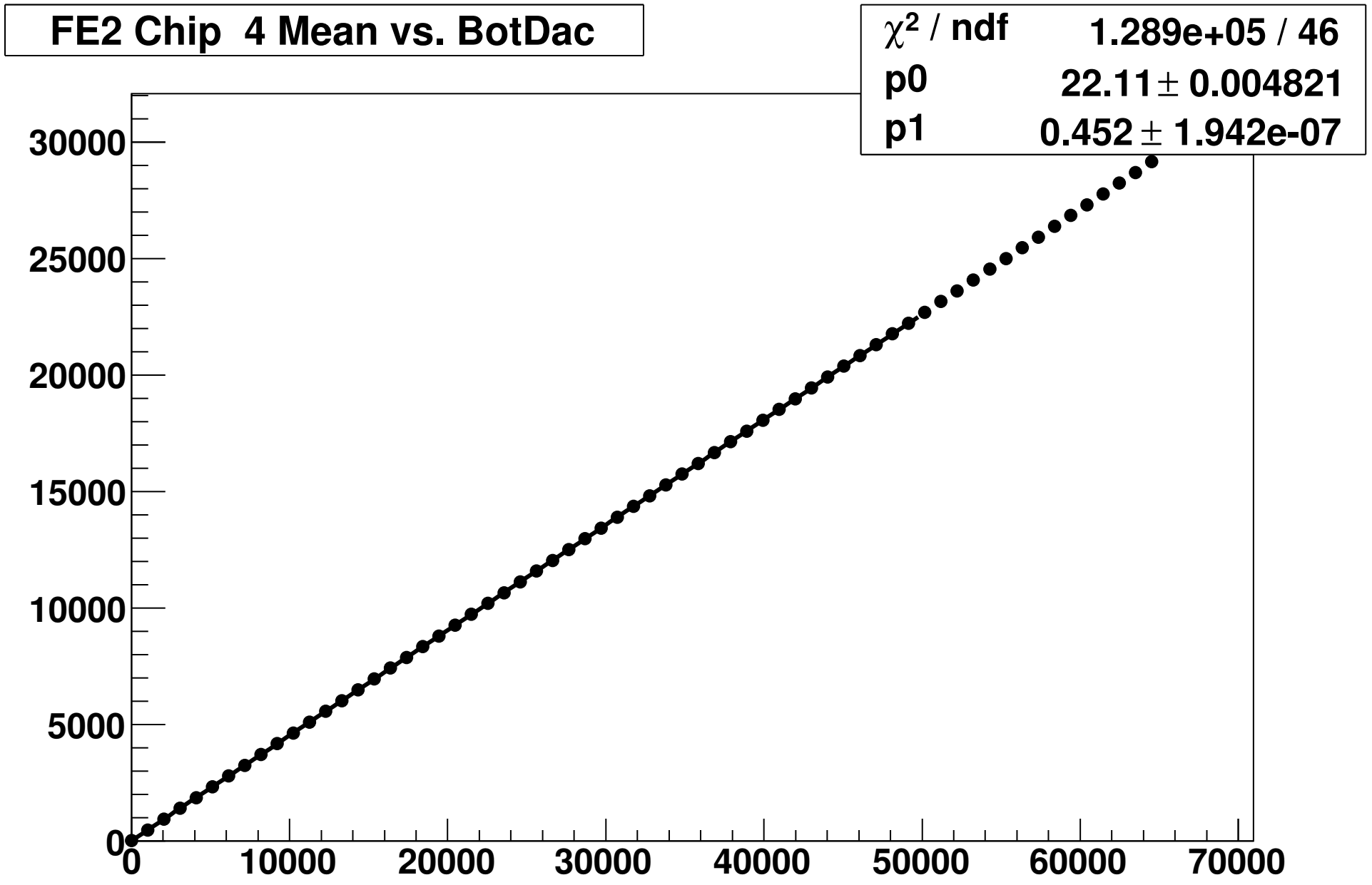

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 51.42 / 46
p0 1.568 ± 0.002551
p1 3.256e-06 ± 1.113e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

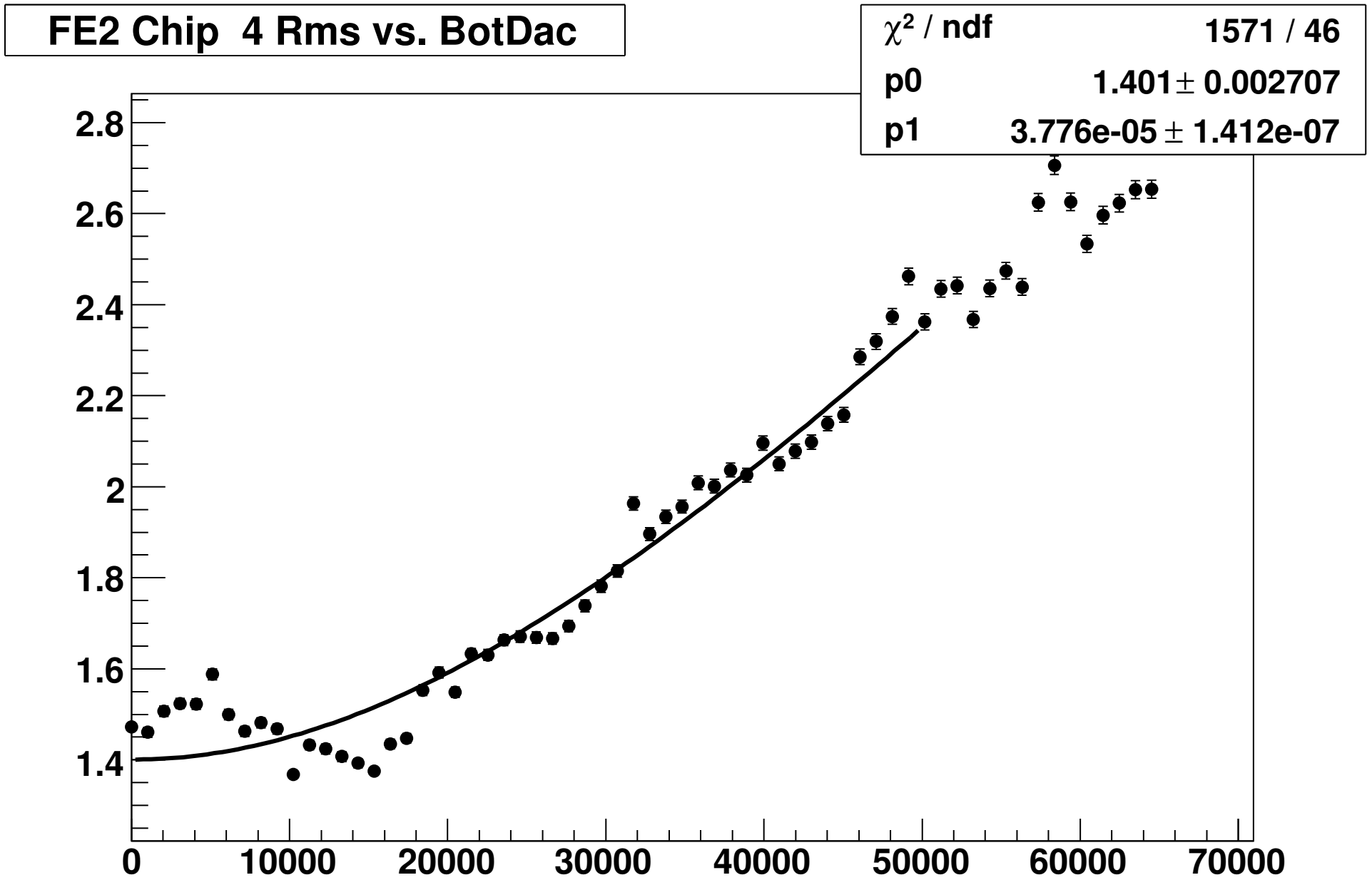

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 7.964e+04 / 46
p0 27.79 ± 0.004758
p1 0.4518 ± 1.922e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

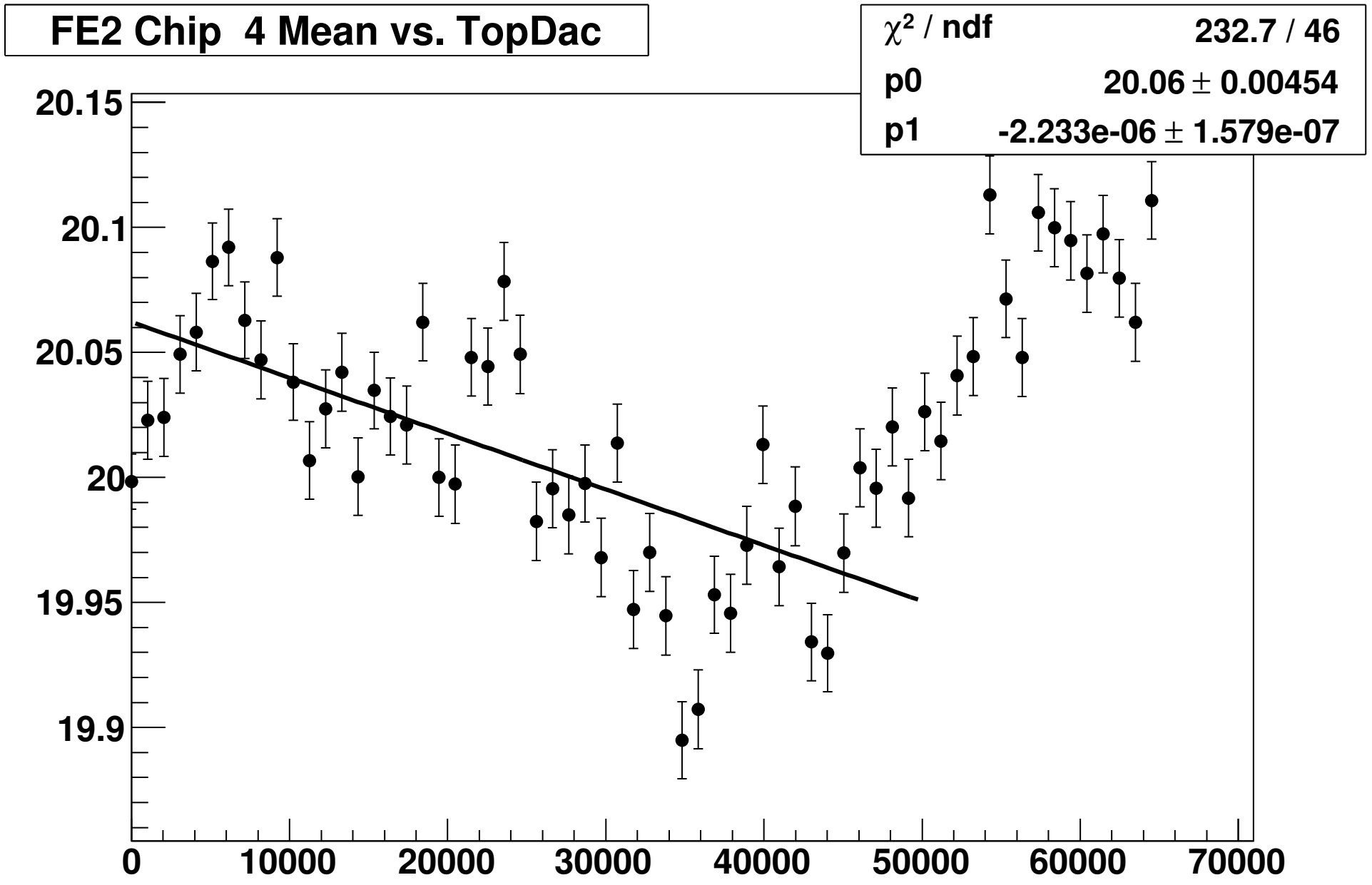

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 1004 / 46
p0 1.391 ± 0.002688
p1 3.794e-05 ± 1.396e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

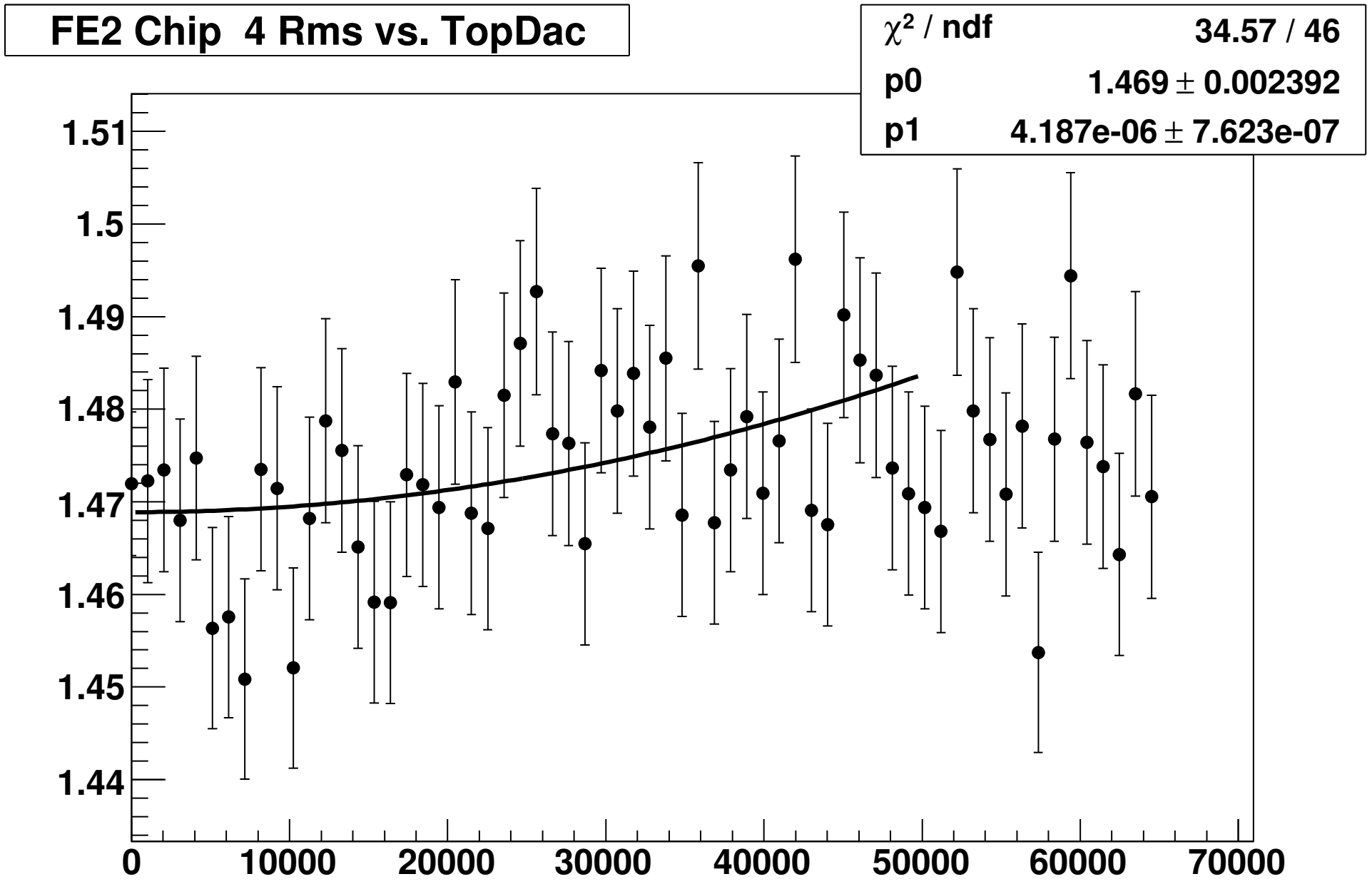

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 314.6 / 46
p0 25.48 ± 0.004642
p1 -2.95e-06 ± 1.612e-07
25.6
25.55
25.5
25.45
25.4
25.35
25.3
25.25
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 56.35 / 46
p0 1.502 ± 0.002438
p1 2.109e-06 ± 1.57e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.289e+05 / 46
p0 22.11 ± 0.004821
p1 0.452 ± 1.942e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 1571 / 46
p0 1.401 ± 0.002707
p1 3.776e-05 ± 1.412e-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 4 Mean vs. TopDac
χ² / ndf 232.7 / 46
p0 20.06 ± 0.00454
p1 -2.233e-06 ± 1.579e-07
20.15
20.1
20.05
20
19.95
19.9
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 34.57 / 46
p0 1.469 ± 0.002392
p1 4.187e-06 ± 7.623e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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20000
30000
40000
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60000
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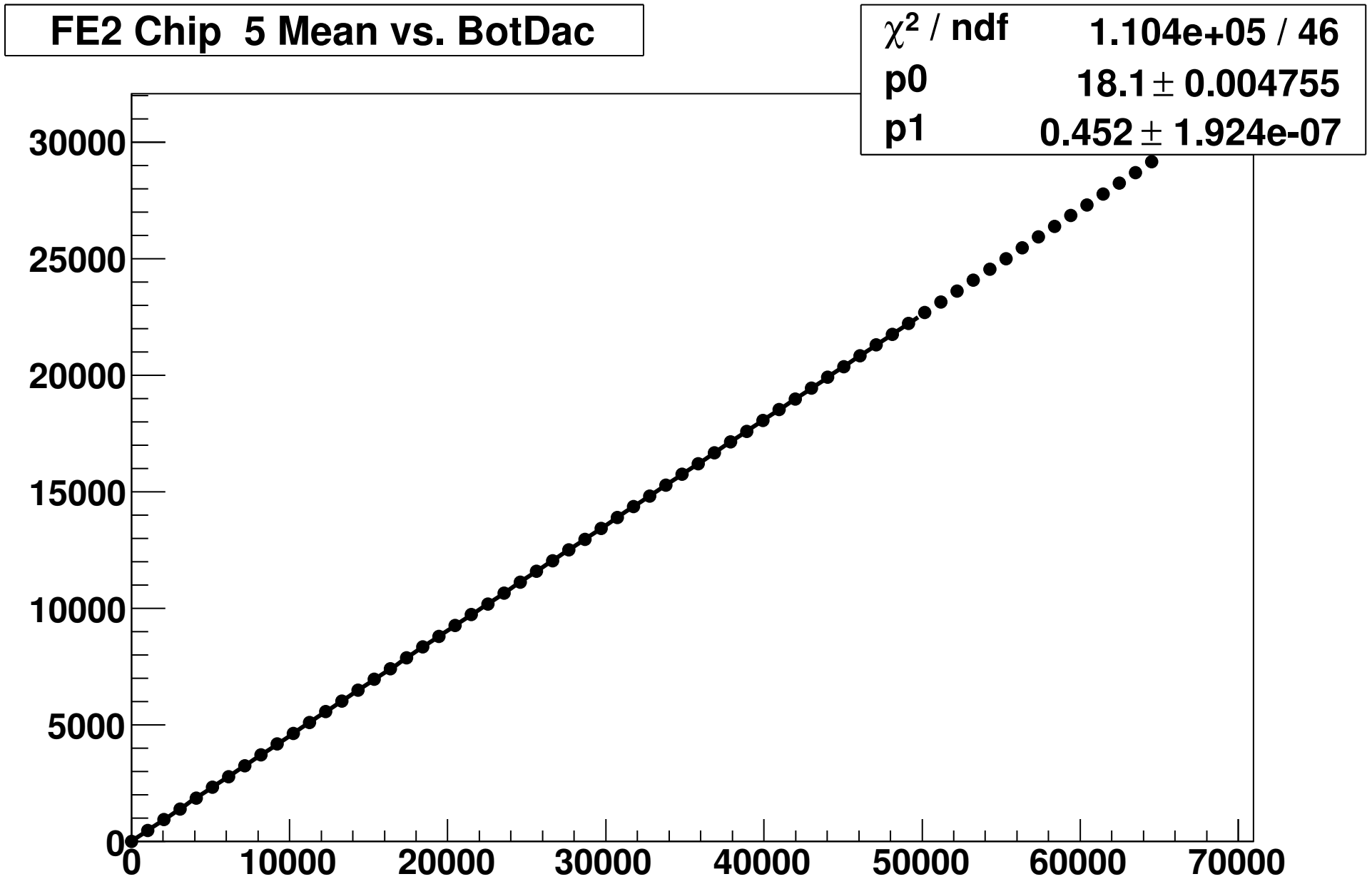
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.104e+05 / 46
p0 18.1 ± 0.004755
p1 0.452 ± 1.924e-07
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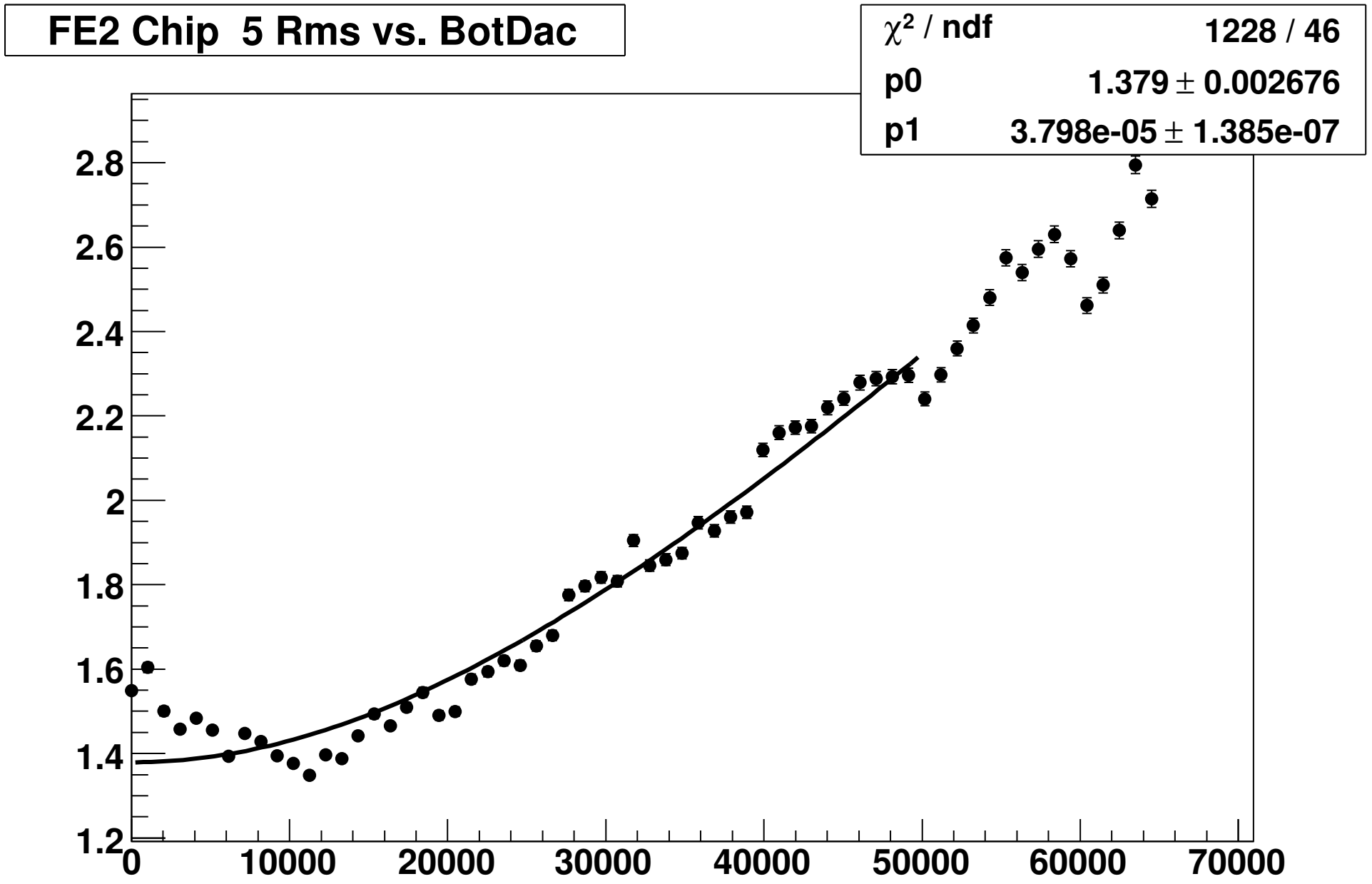
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1228 / 46
p0 1.379 ± 0.002676
p1 3.798e-05 ± 1.385e-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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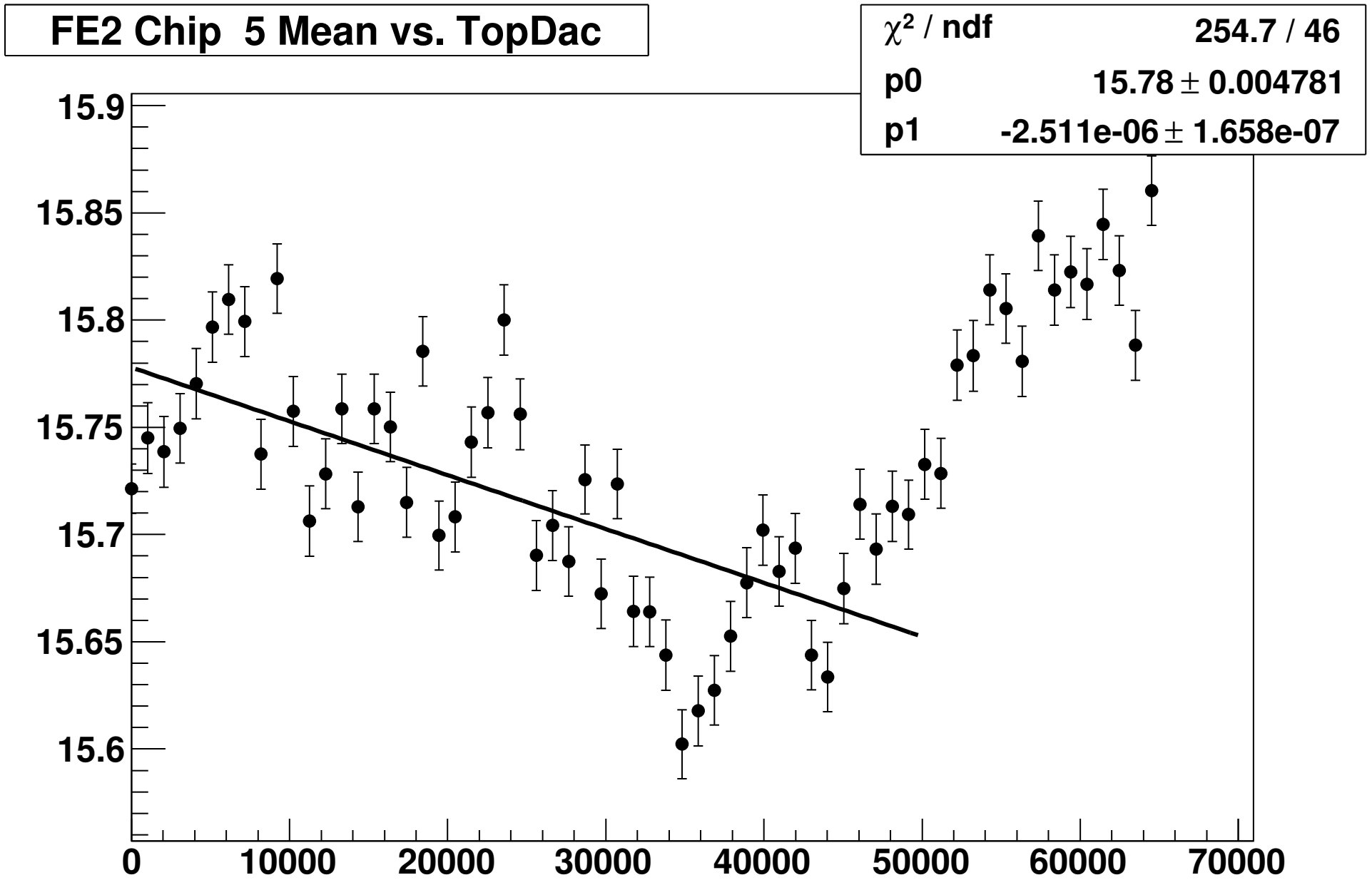
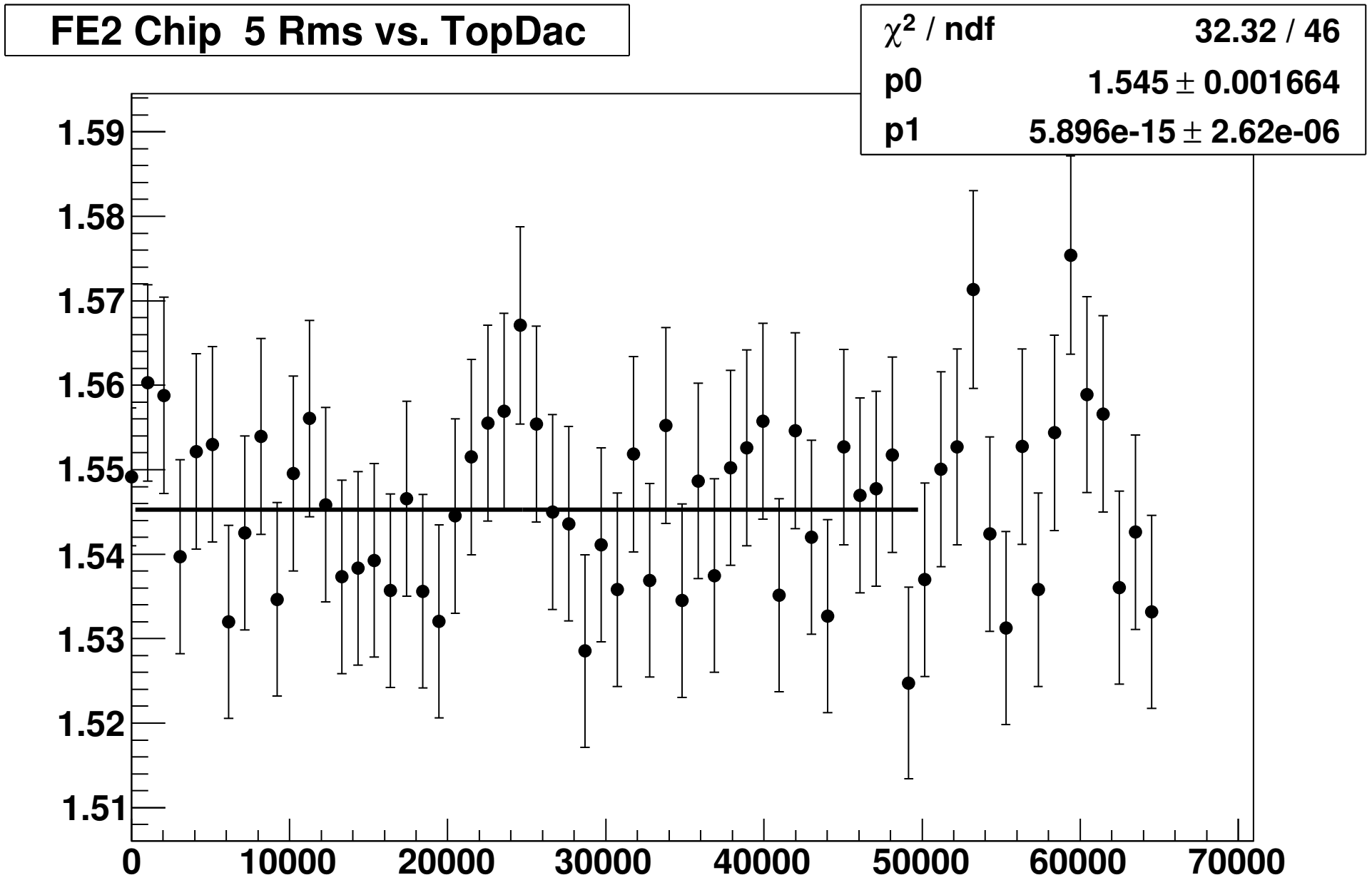
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 254.7 / 46
p0 15.78 ± 0.004781
p1 -2.511e-06 ± 1.658e-07
15.9
15.85
15.8
15.75
15.7
15.65
15.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 32.32 / 46
p0 1.545 ± 0.001664
p1 5.896e-15 ± 2.62e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
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50000
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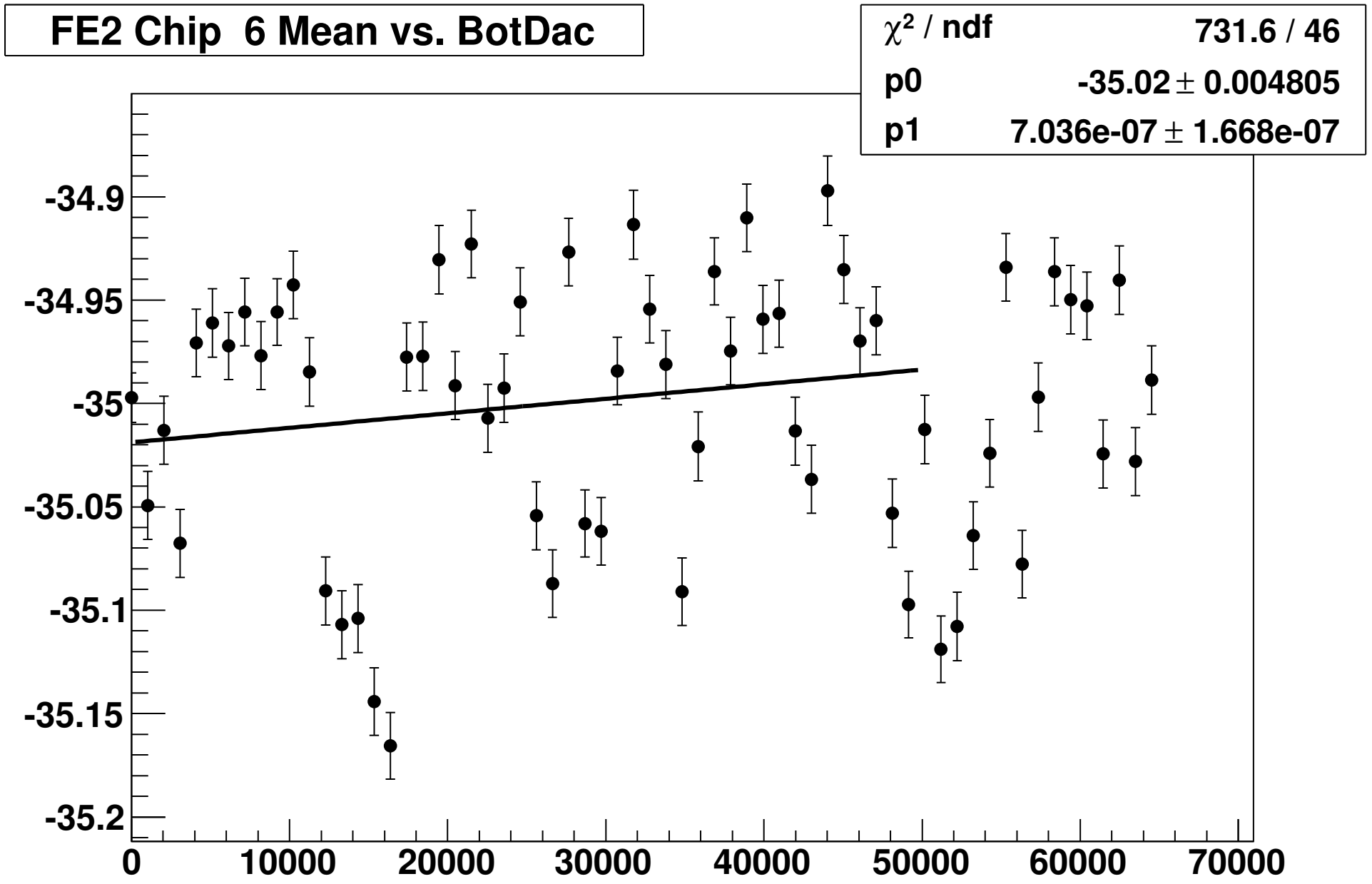
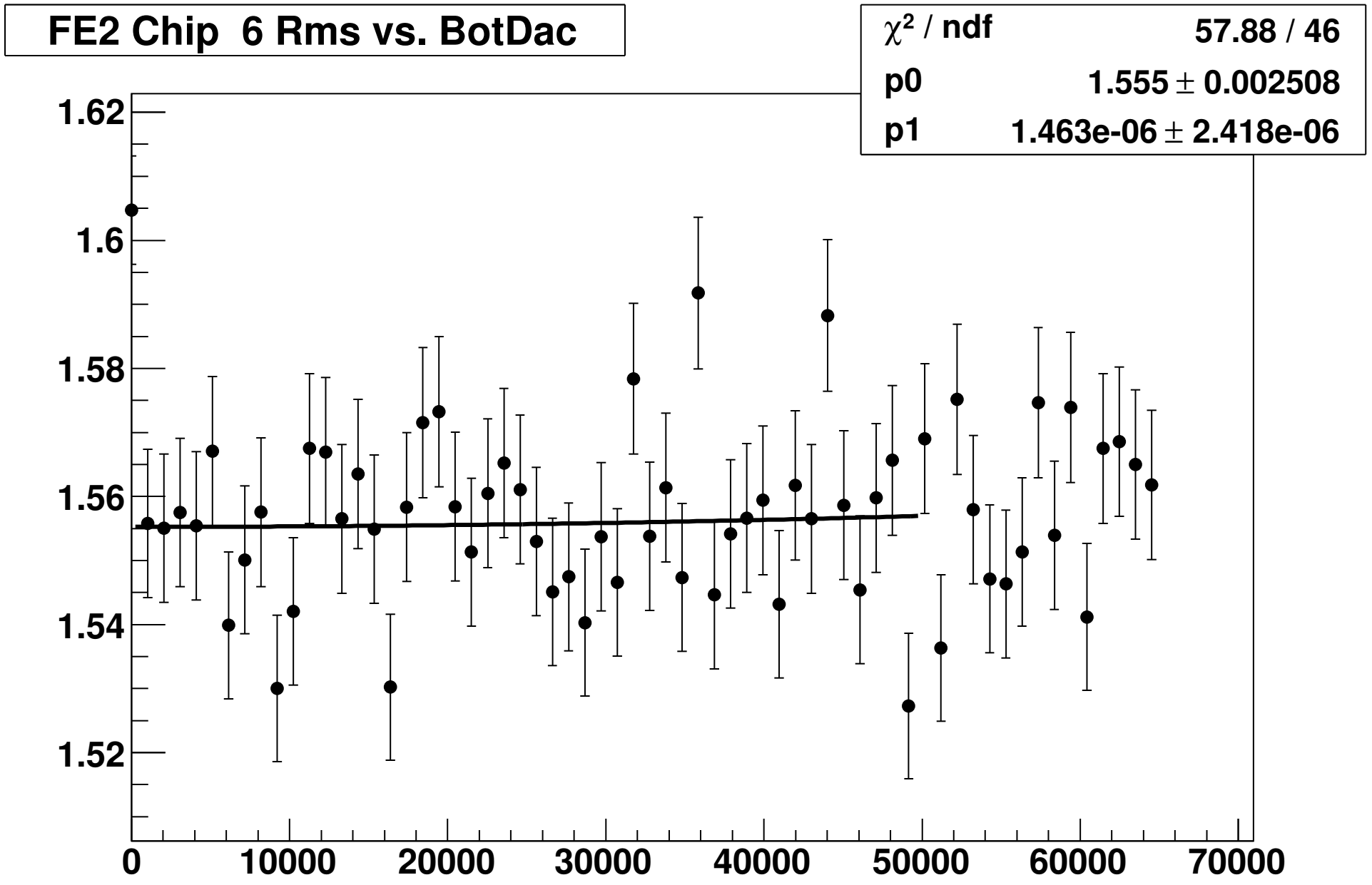

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 731.6 / 46
p0 -35.02 ± 0.004805
p1 7.036e-07 ± 1.668e-07
-34.9
-34.95
-35
-35.05
-35.1
-35.15
-35.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 57.88 / 46
p0 1.555 ± 0.002508
p1 1.463e-06 ± 2.418e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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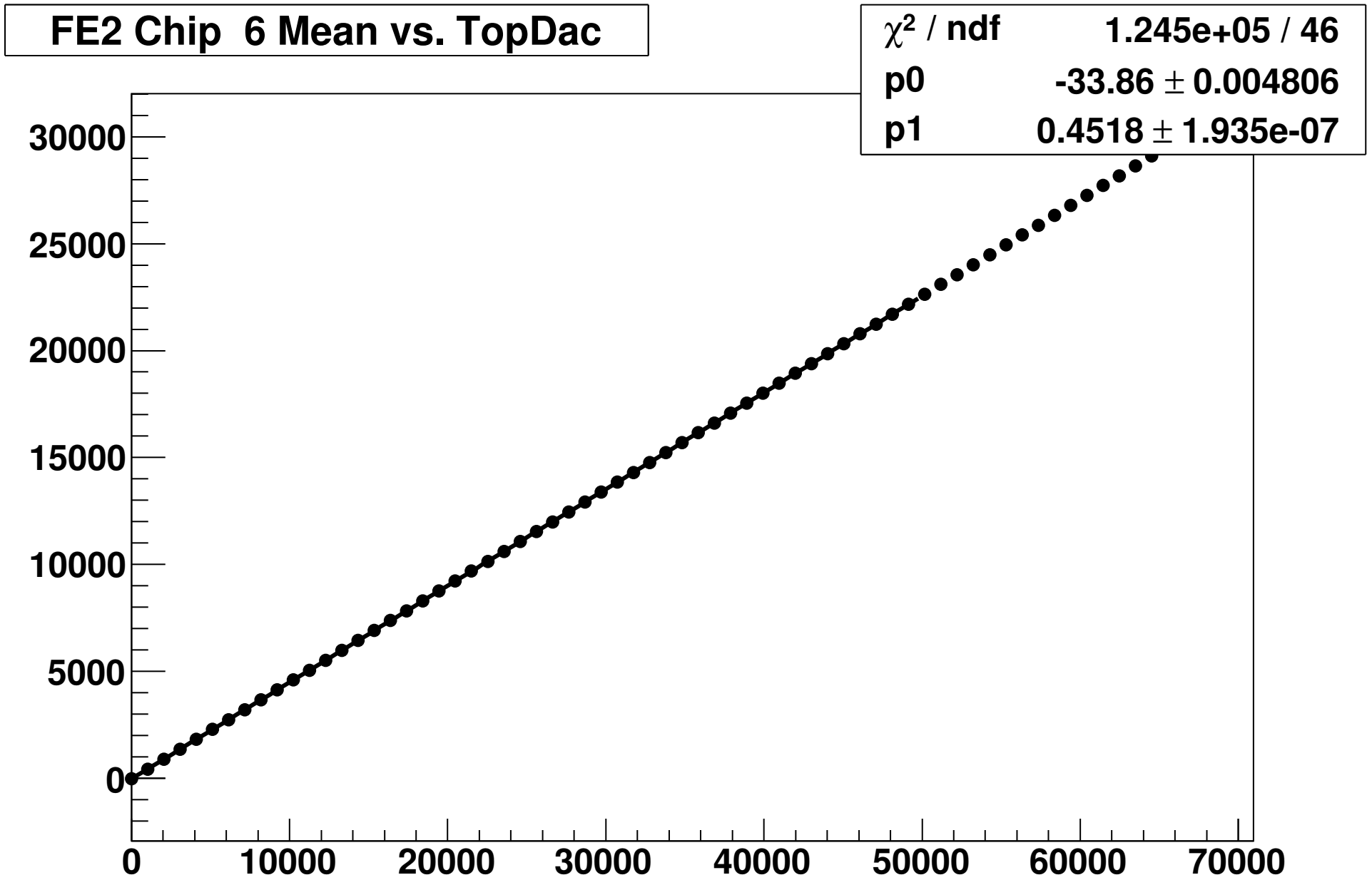
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.245e+05 / 46
p0 -33.86 ± 0.004806
p1 0.4518 ± 1.935e-07
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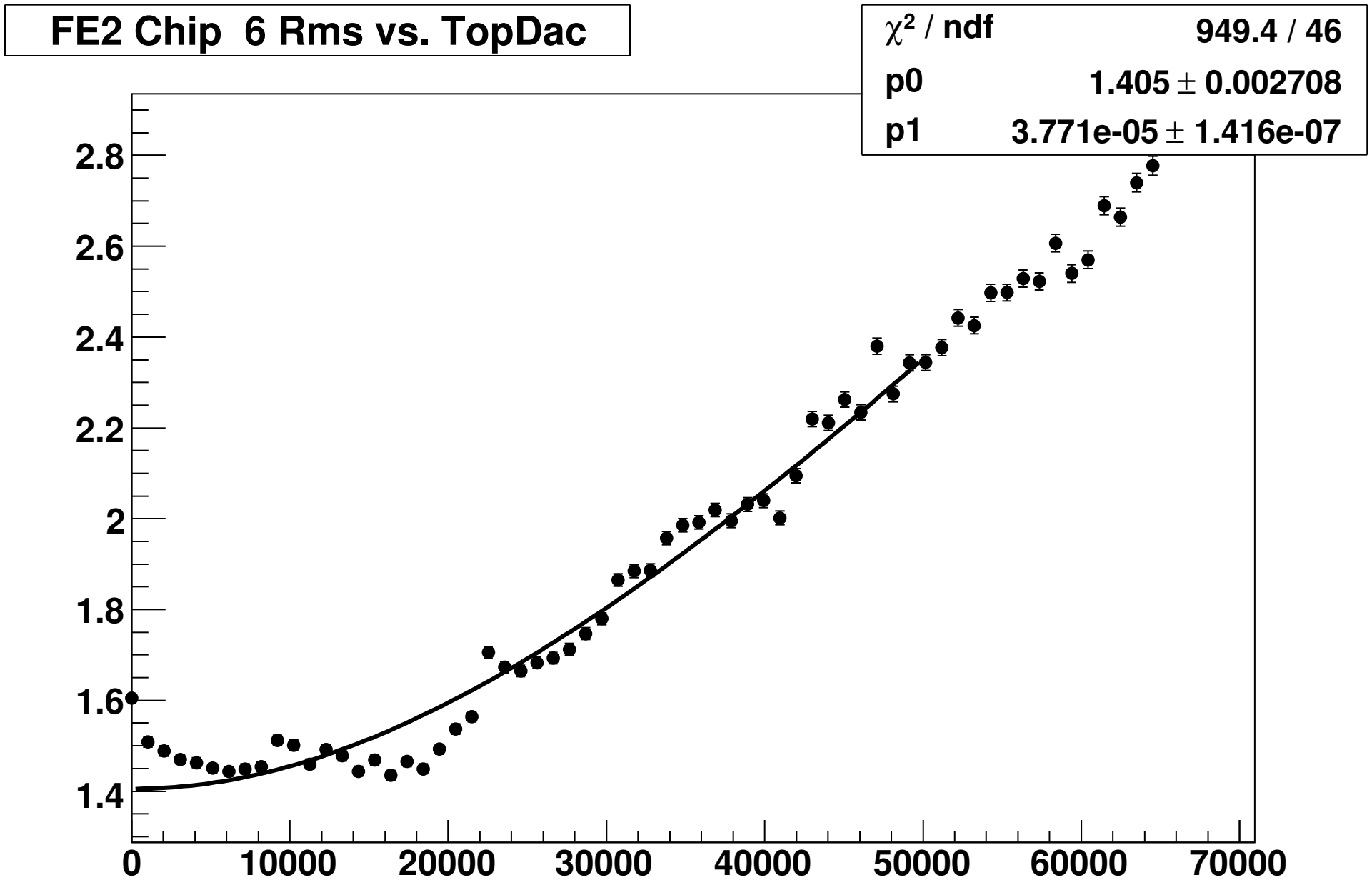
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 949.4 / 46
p0 1.405 ± 0.002708
p1 3.771e-05 ± 1.416e-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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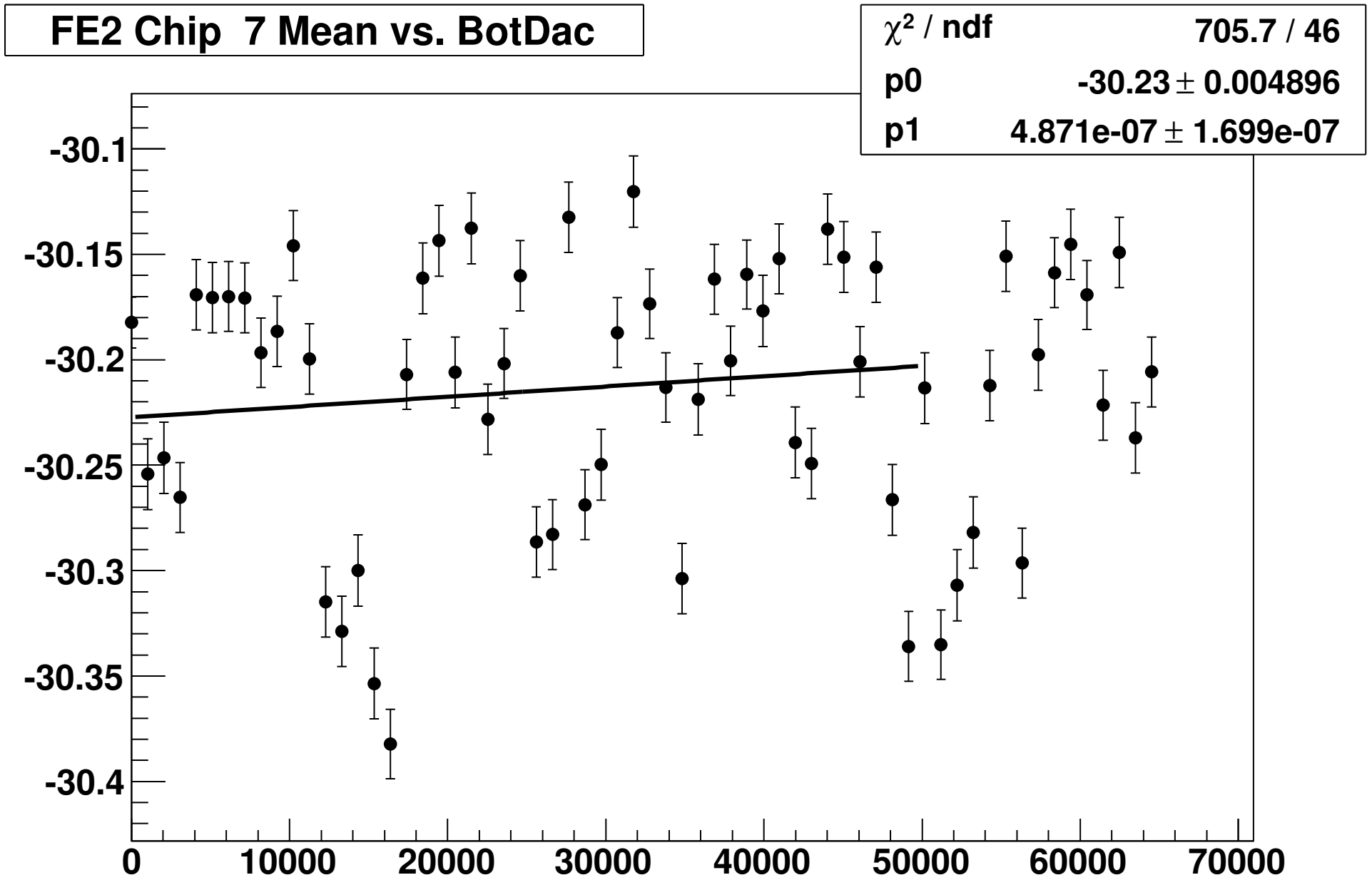
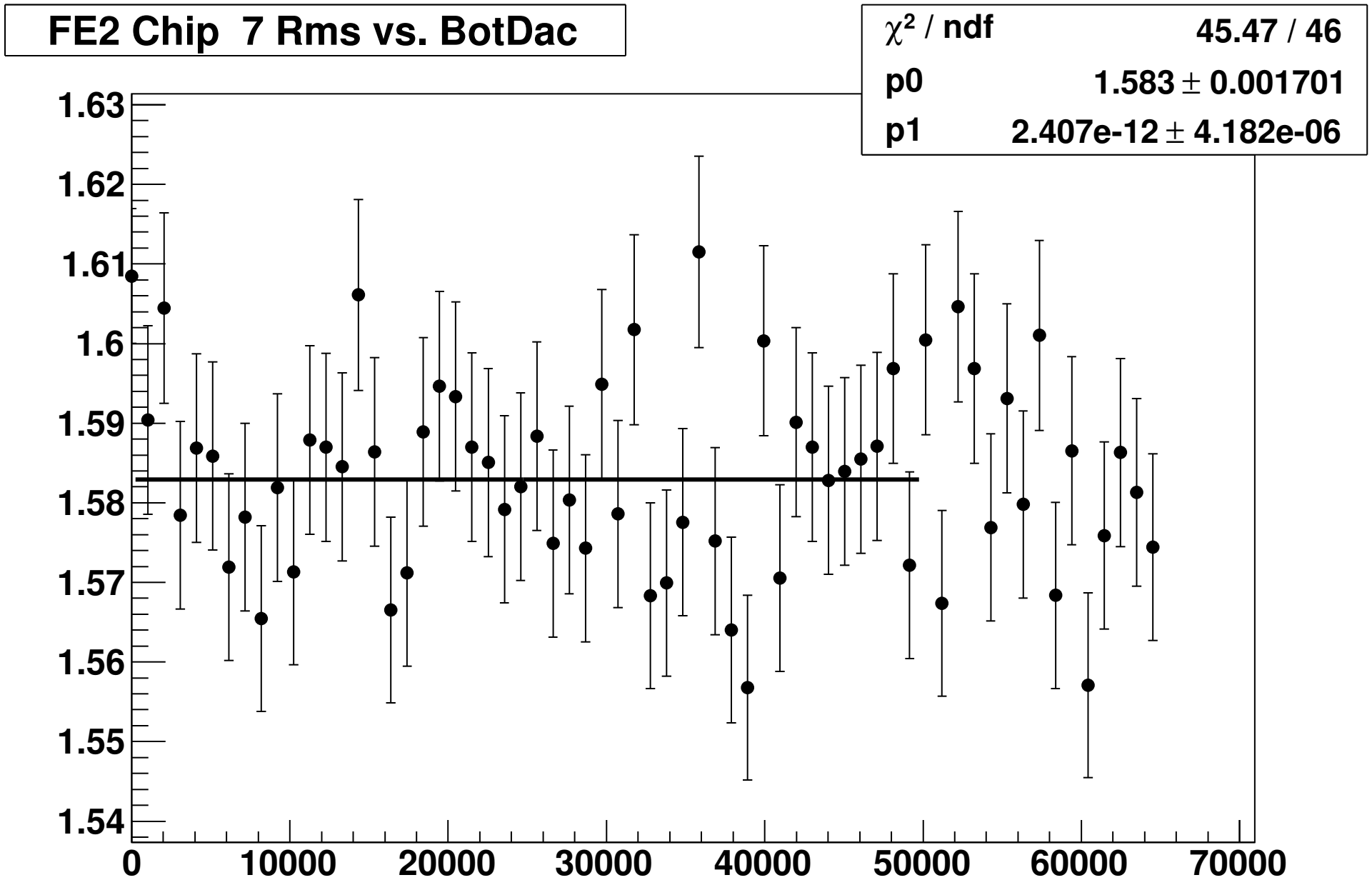

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 705.7 / 46
p0 -30.23 ± 0.004896
p1 4.871e-07 ± 1.699e-07
-30.1
-30.15
-30.2
-30.25
-30.3
-30.35
-30.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 45.47 / 46
p0 1.583 ± 0.001701
p1 2.407e-12 ± 4.182e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
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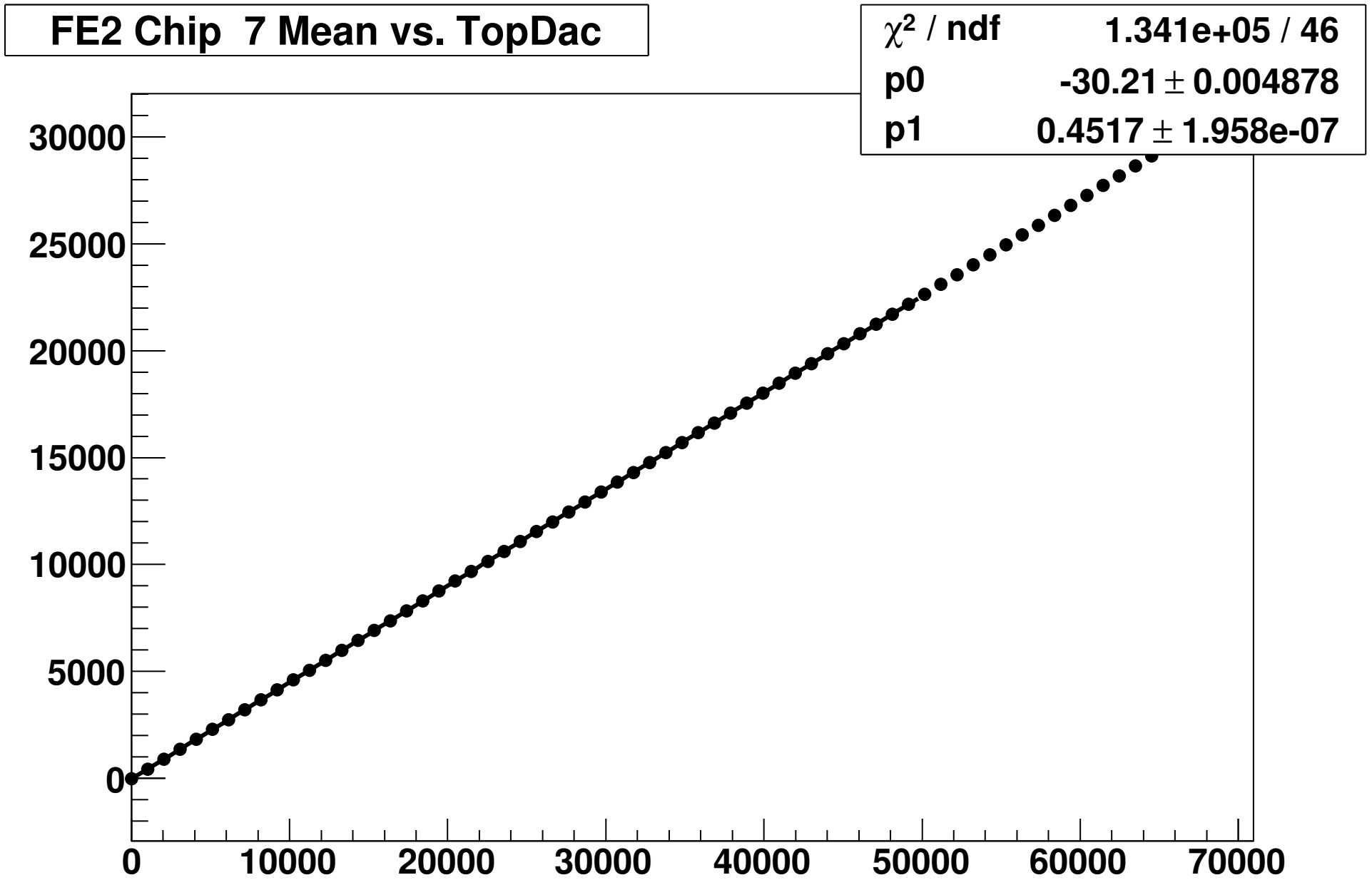
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.341e+05 / 46
p0 -30.21 ± 0.004878
p1 0.4517 ± 1.958e-07
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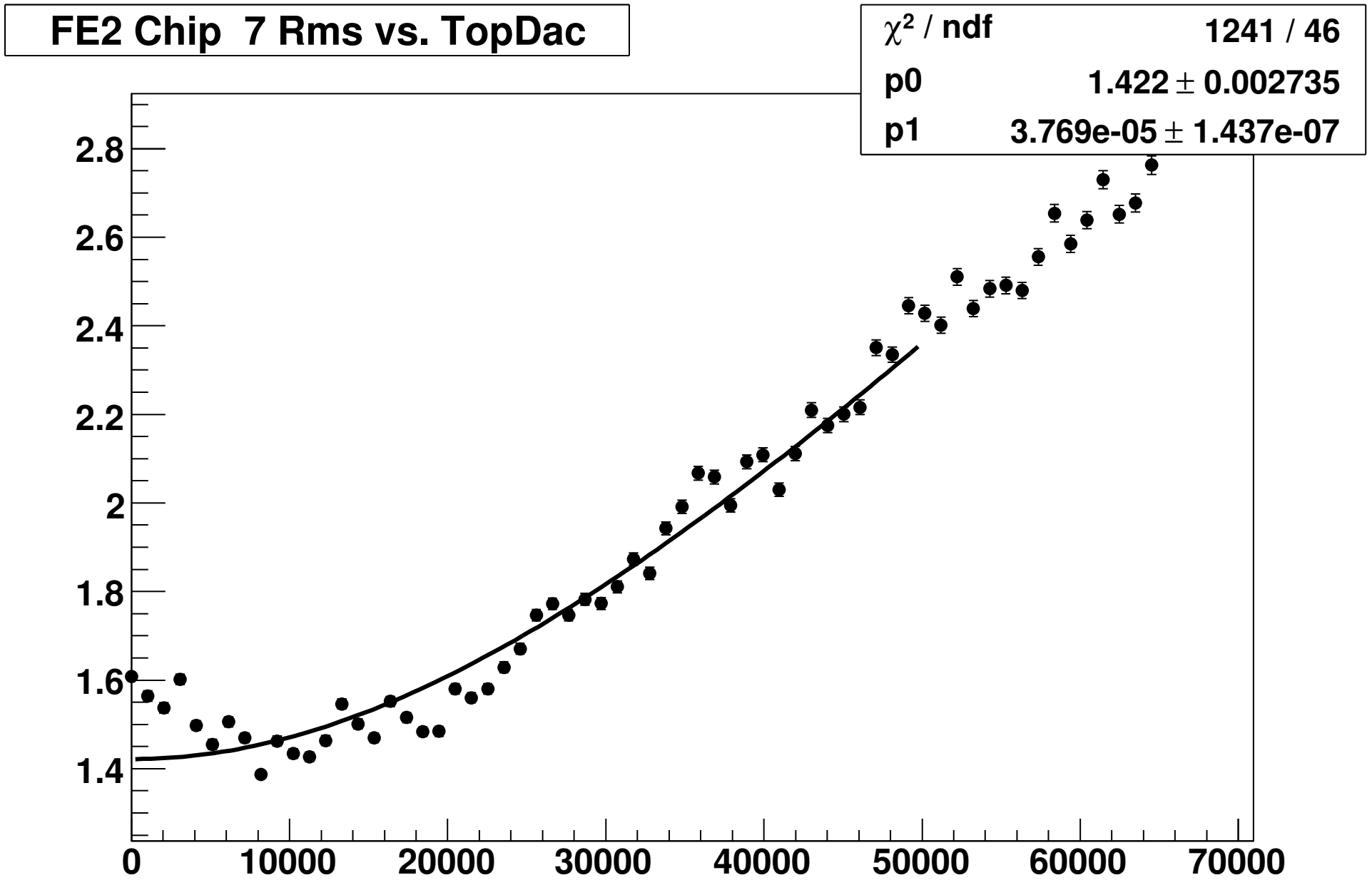
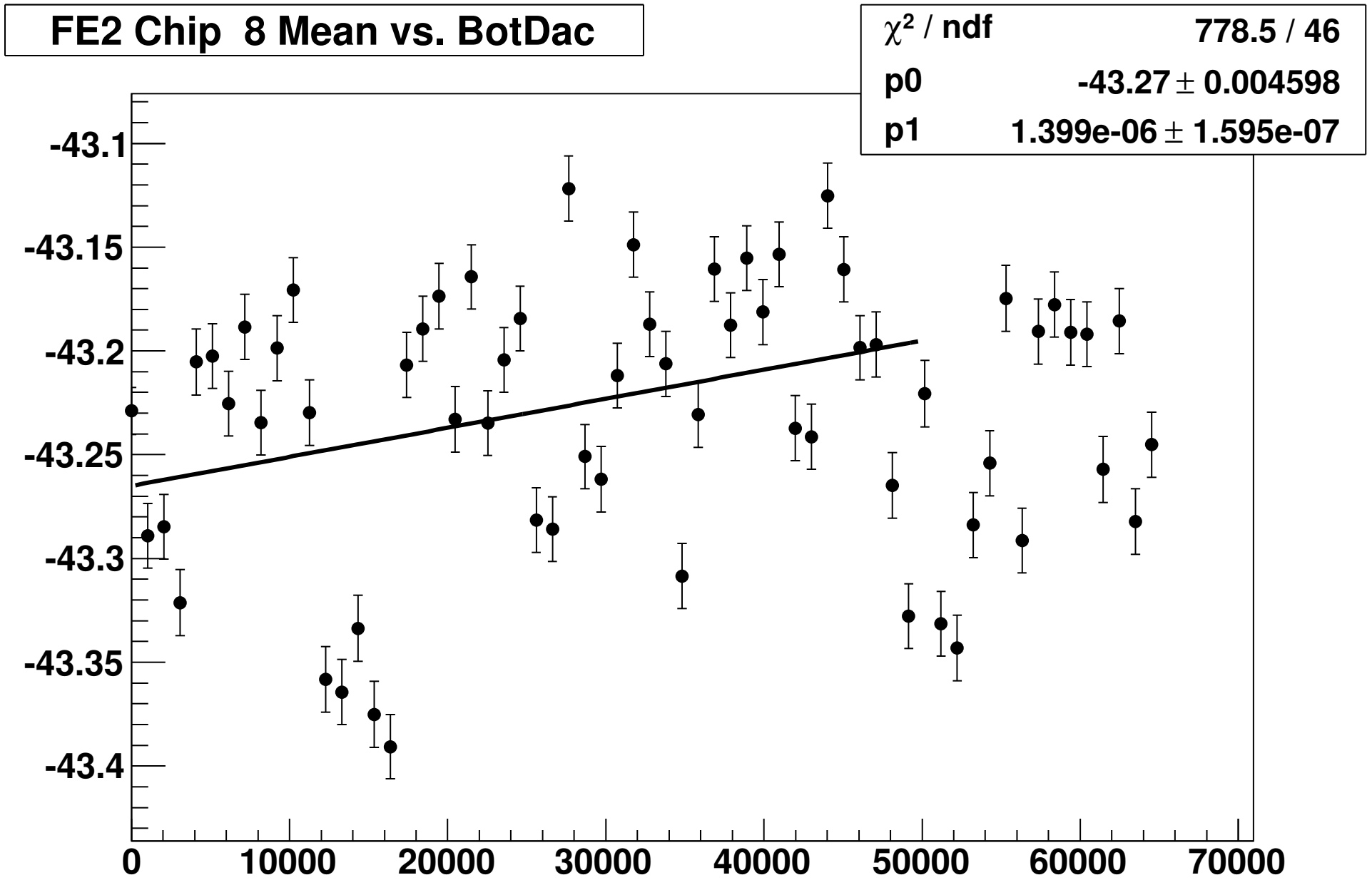
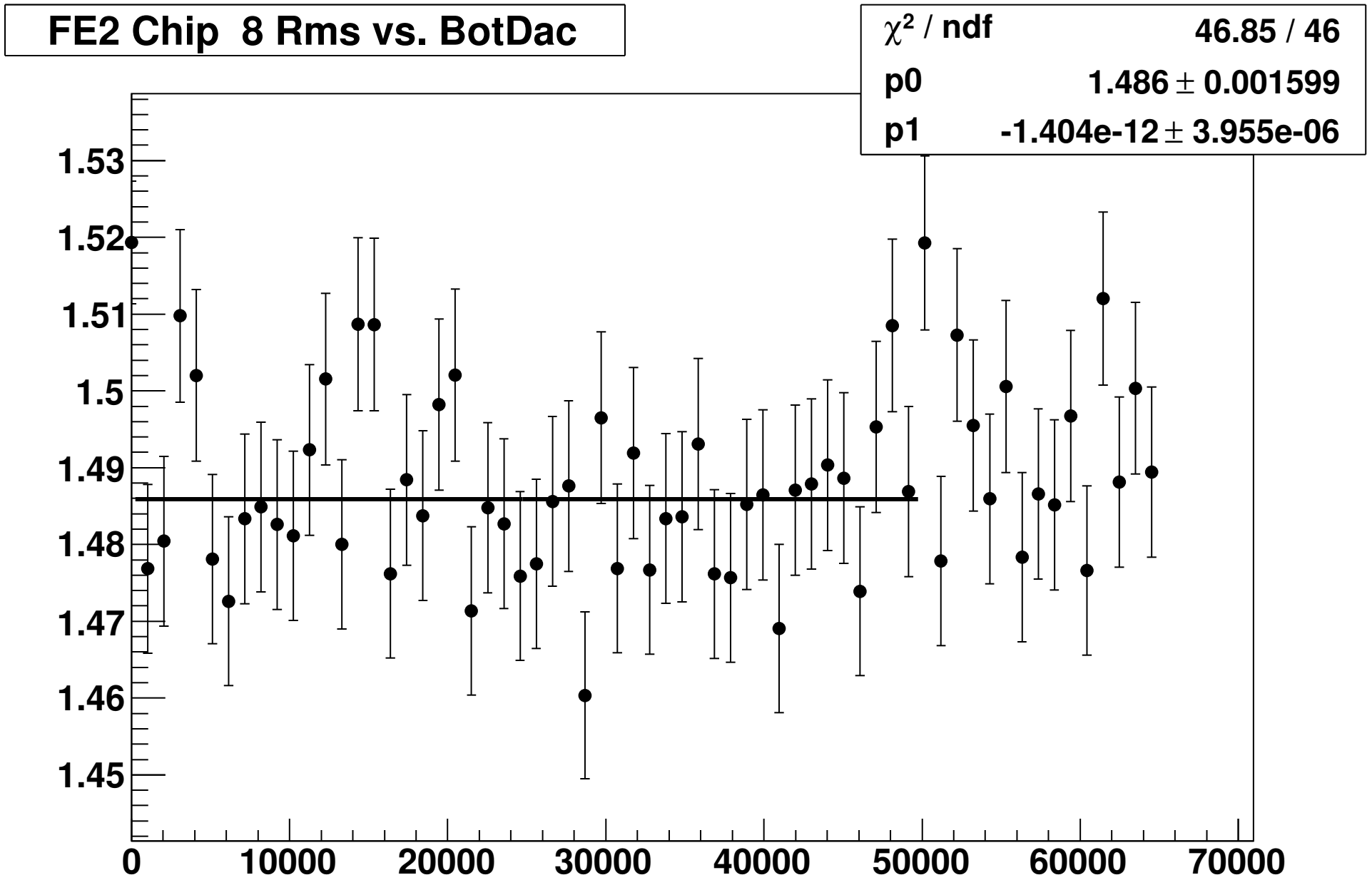
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1241 / 46
p0 1.422 ± 0.002735
p1 3.769e-05 ± 1.437e-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 8 Mean vs. BotDac
χ² / ndf 778.5 / 46
p0 -43.27 ± 0.004598
p1 1.399e-06 ± 1.595e-07
-43.1
-43.15
-43.2
-43.25
-43.3
-43.35
-43.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 46.85 / 46
p0 1.486 ± 0.001599
p1 -1.404e-12 ± 3.955e-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
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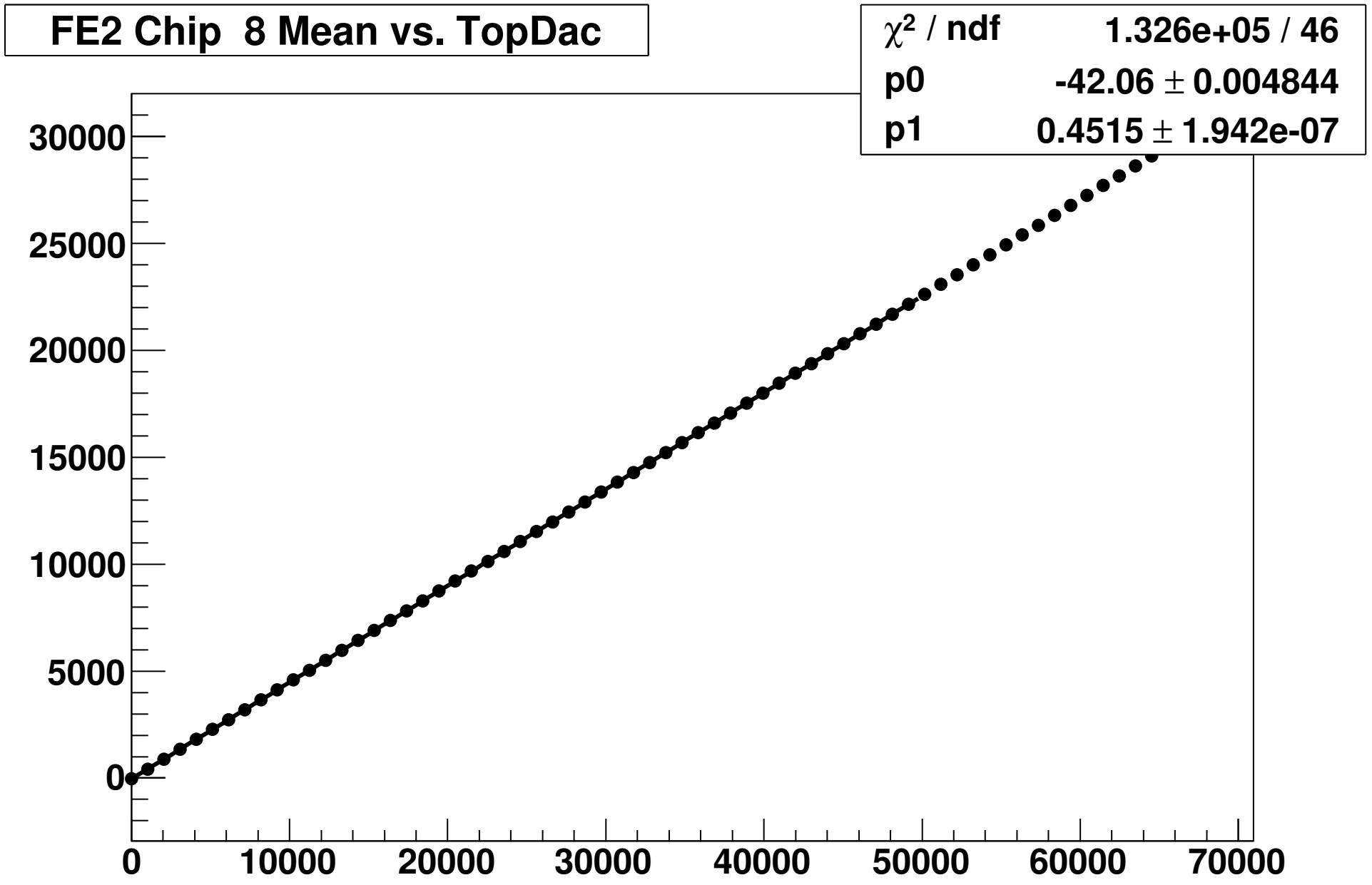
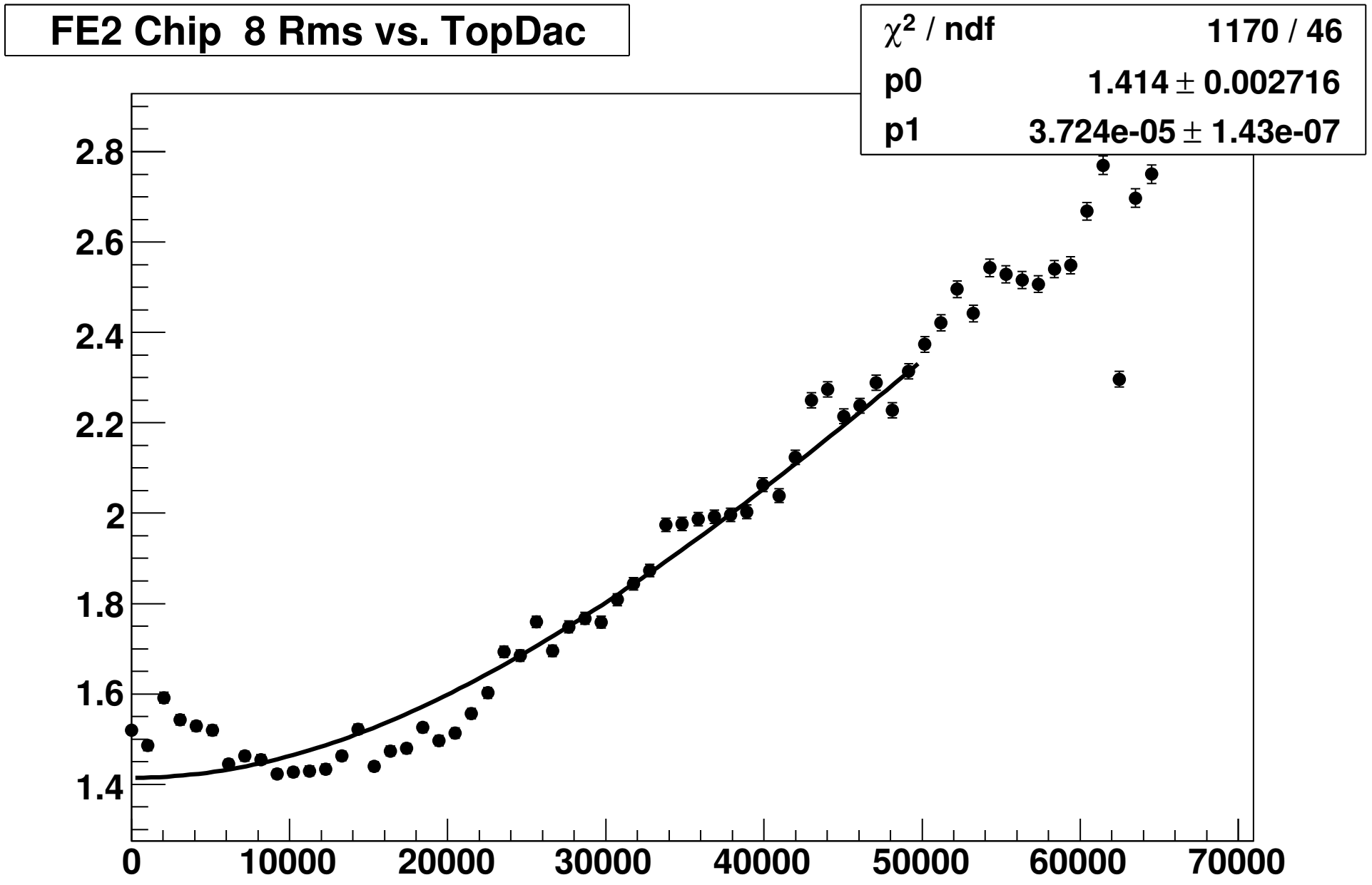
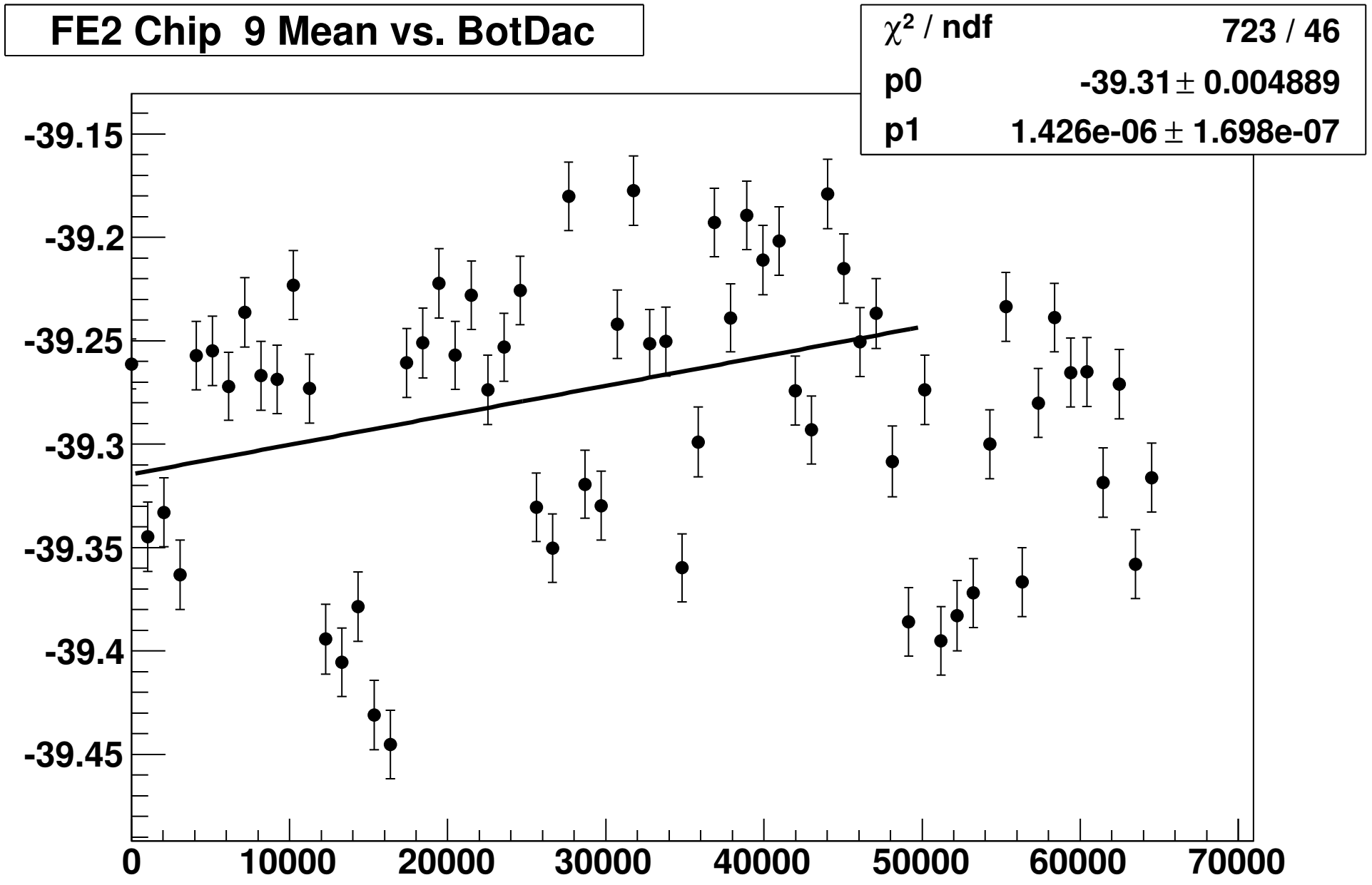
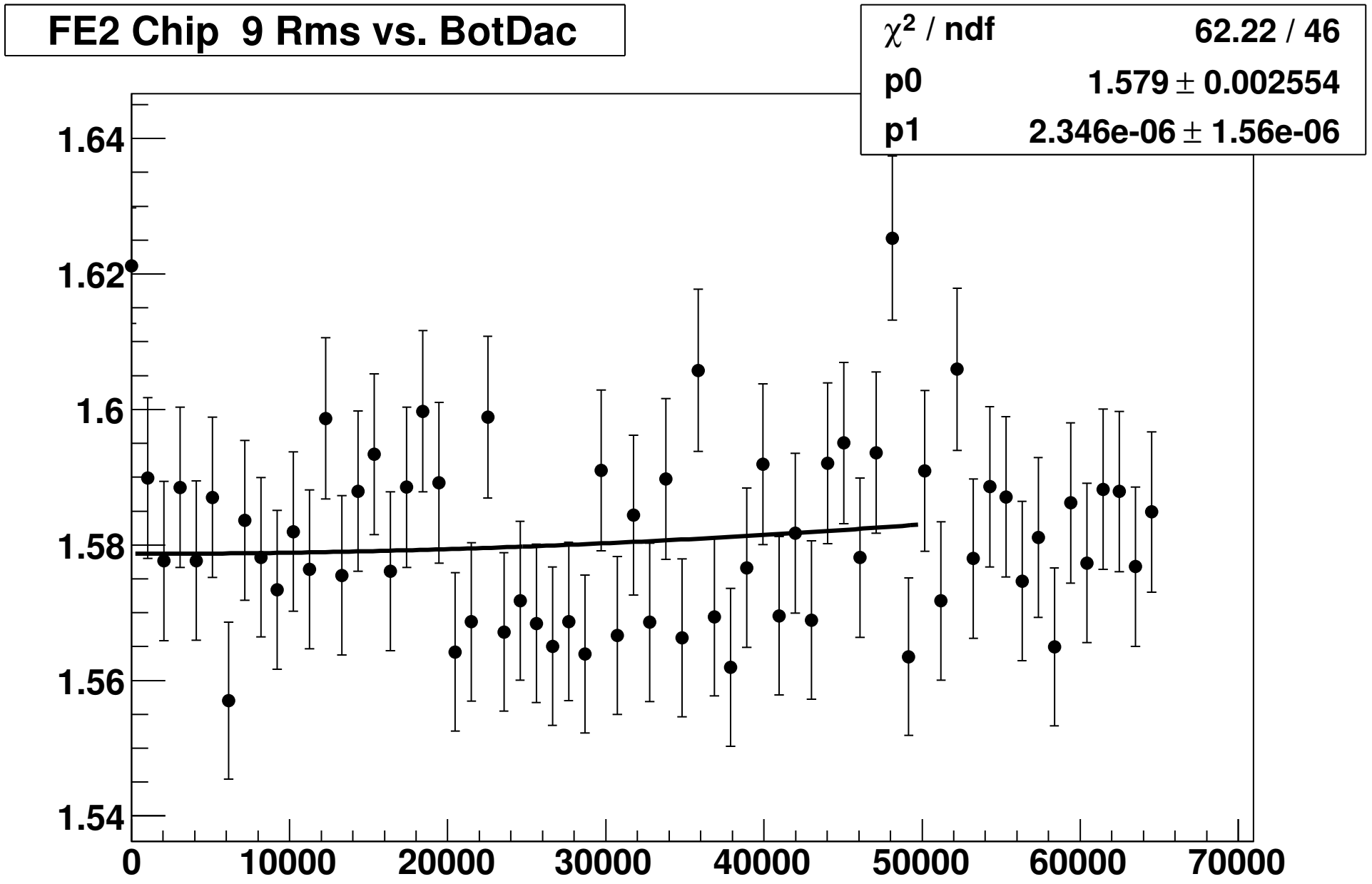
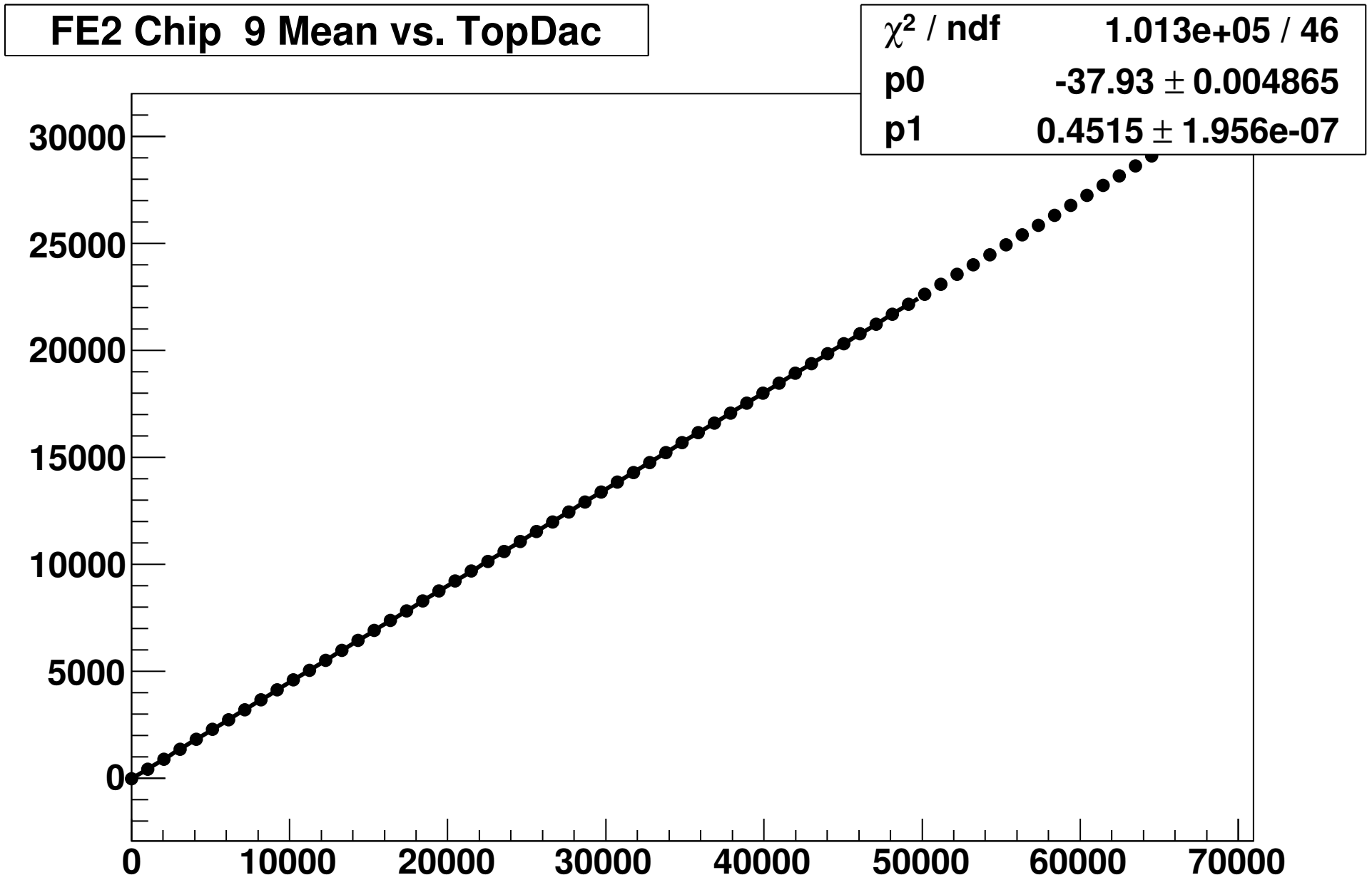
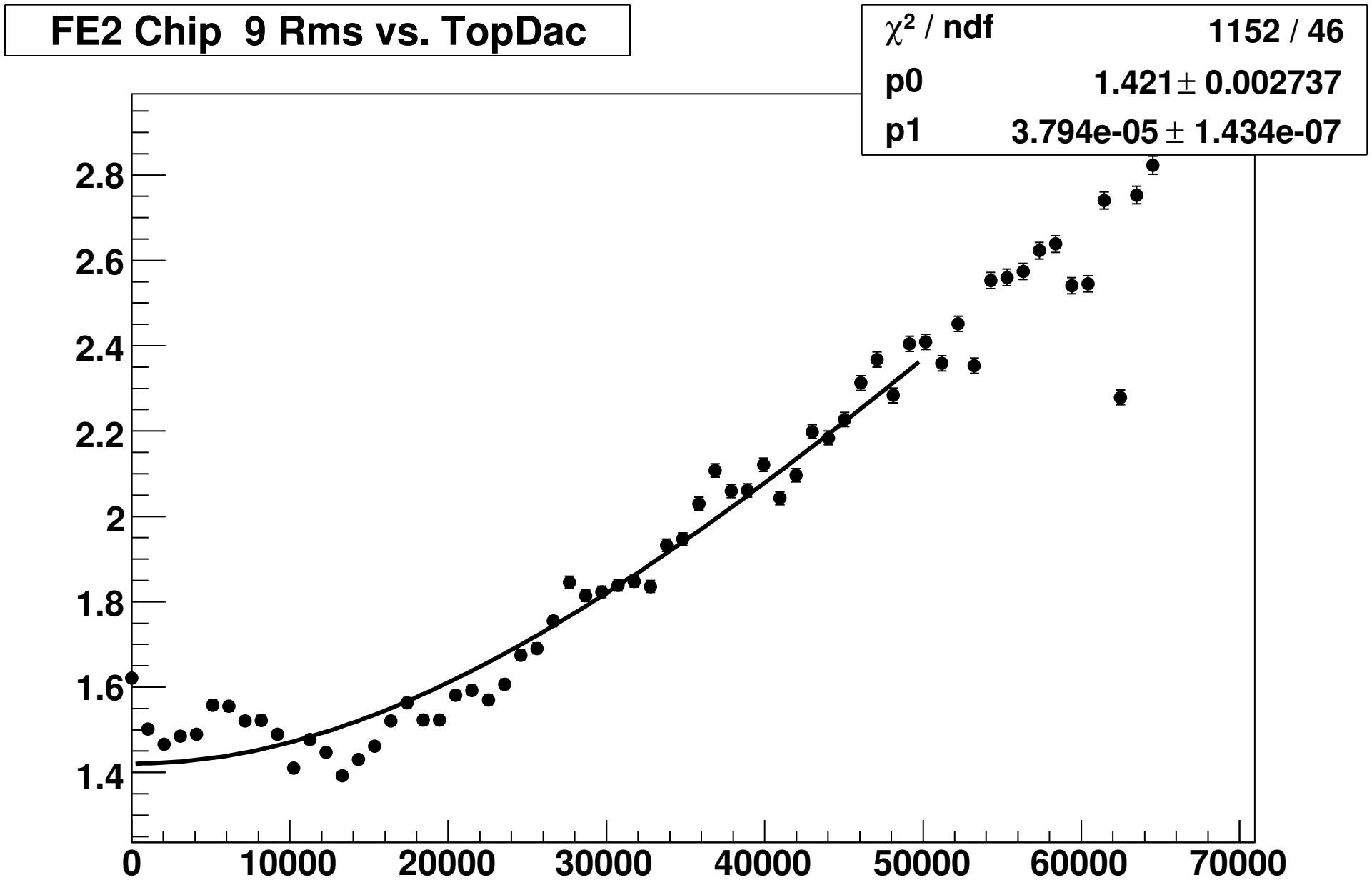

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.326e+05 / 46
p0 -42.06 ± 0.004844
p1 0.4515 ± 1.942e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

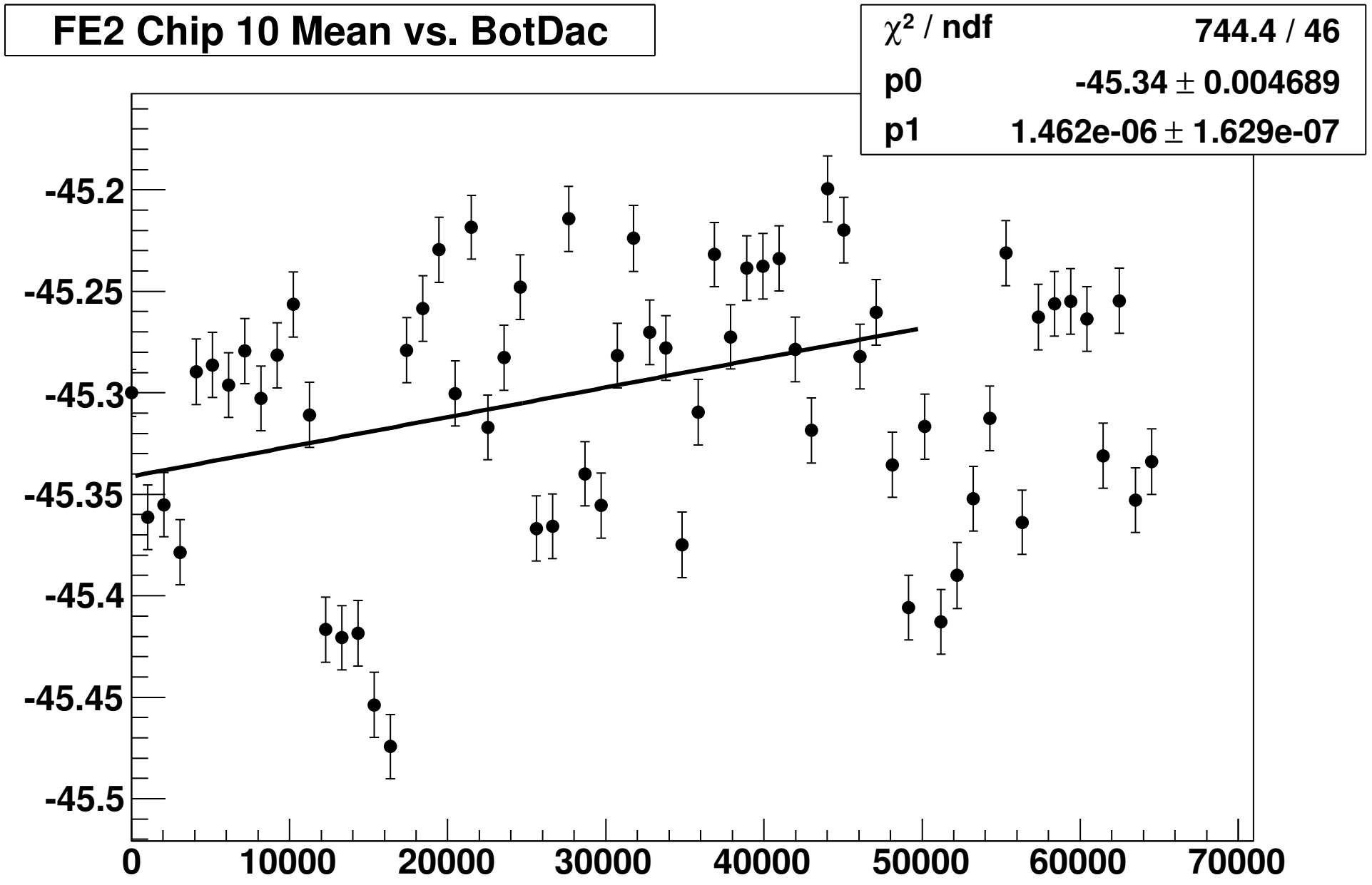

FE2 Chip 8 Rms vs. TopDac
χ² / ndf 1170 / 46
p0 1.414 ± 0.002716
p1 3.724e-05 ± 1.43e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

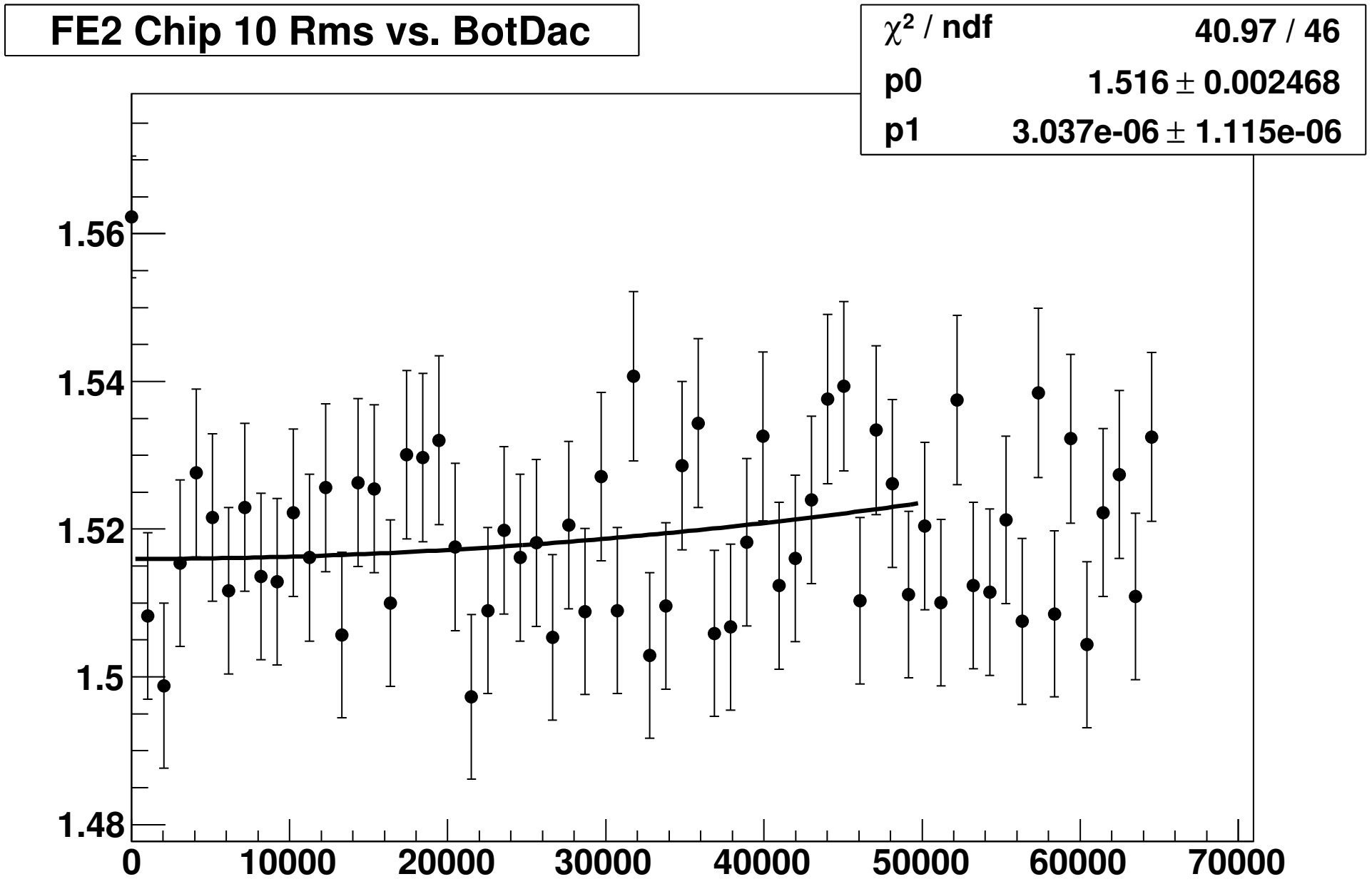

FE2 Chip 9 Mean vs. BotDac
χ² / ndf 723 / 46
p0 -39.31 ± 0.004889
p1 1.426e-06 ± 1.698e-07
-39.15
-39.2
-39.25
-39.3
-39.35
-39.4
-39.45
0
10000
20000
30000
40000
50000
60000
70000

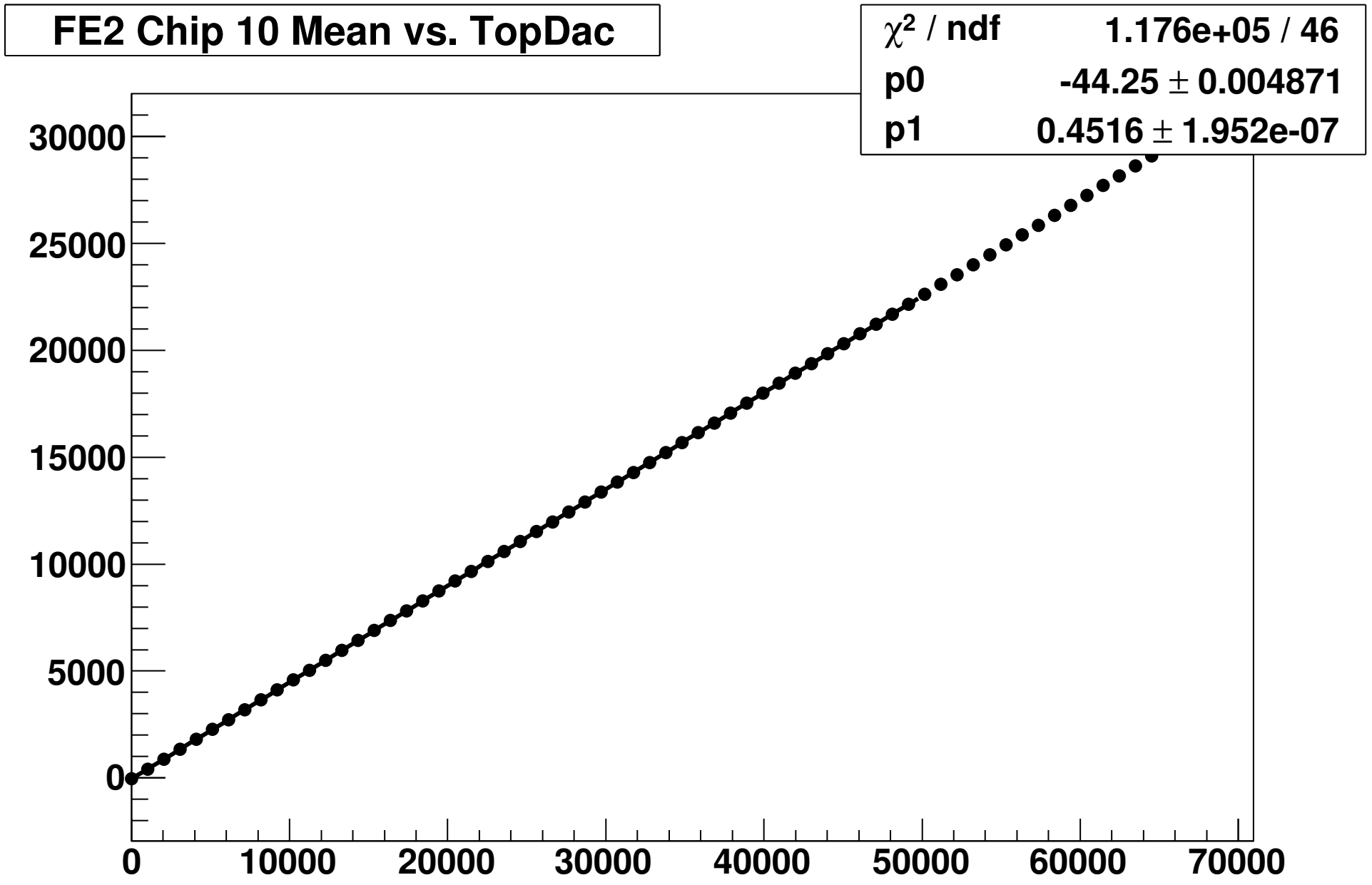

FE2 Chip 9 Rms vs. BotDac
χ² / ndf 62.22 / 46
p0 1.579 ± 0.002554
p1 2.346e-06 ± 1.56e-06
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000
70000

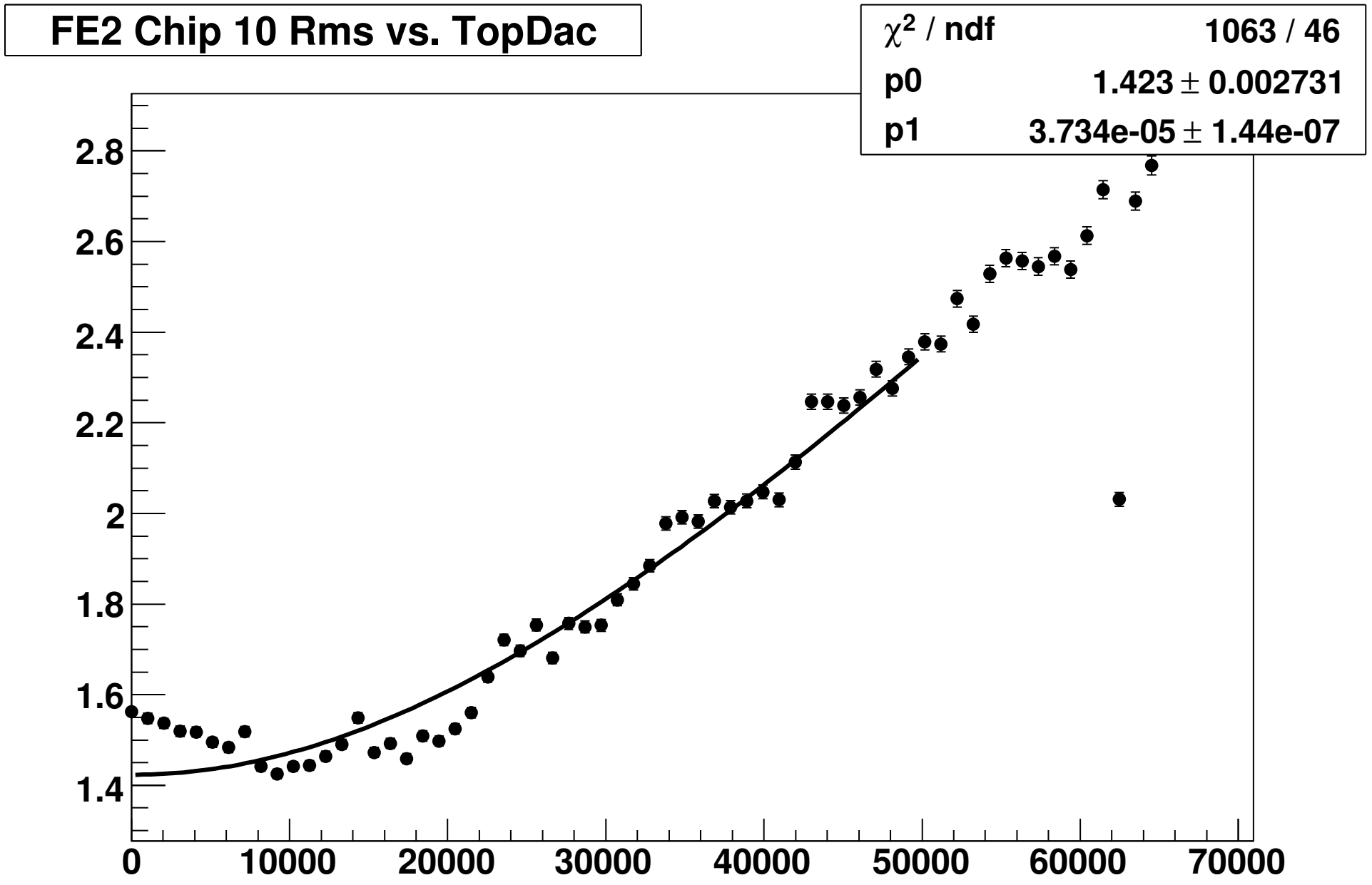

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.013e+05 / 46
p0 -37.93 ± 0.004865
p1 0.4515 ± 1.956e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

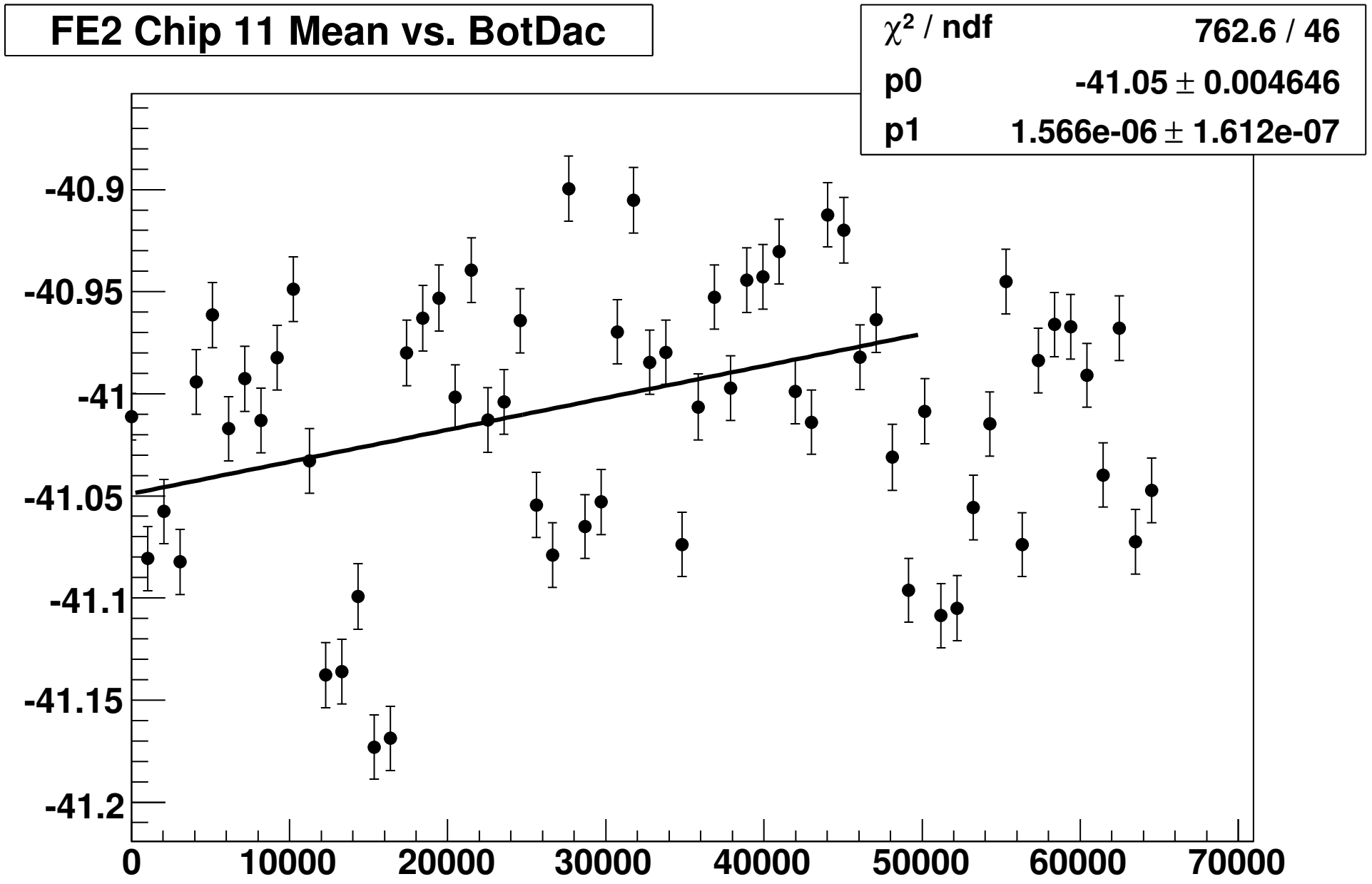

FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1152 / 46
p0 1.421 ± 0.002737
p1 3.794e-05 ± 1.434e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

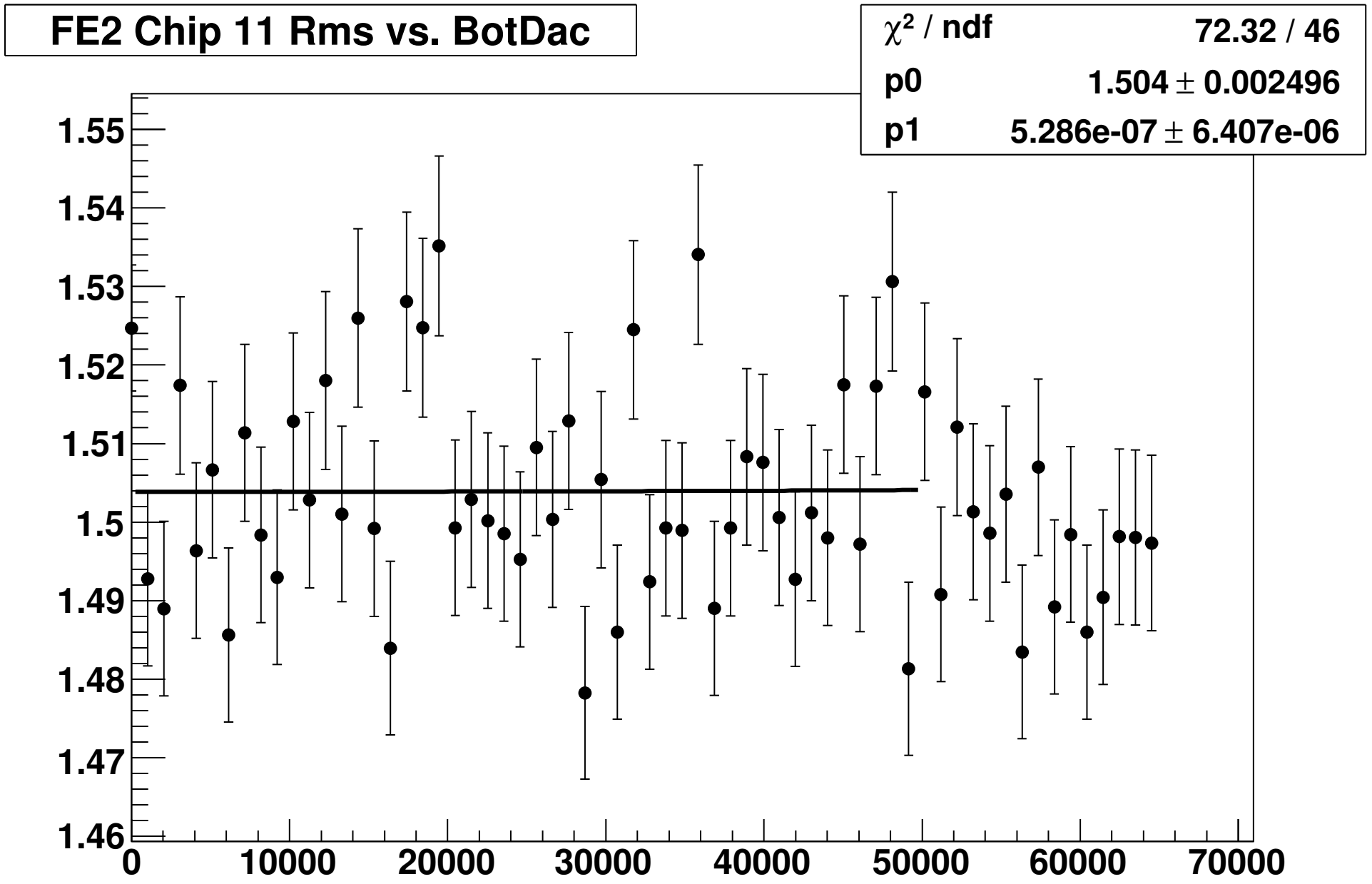

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 744.4 / 46
p0 -45.34 ± 0.004689
p1 1.462e-06 ± 1.629e-07
-45.2
-45.25
-45.3
-45.35
-45.4
-45.45
-45.5
0
10000
20000
30000
40000
50000
60000
70000

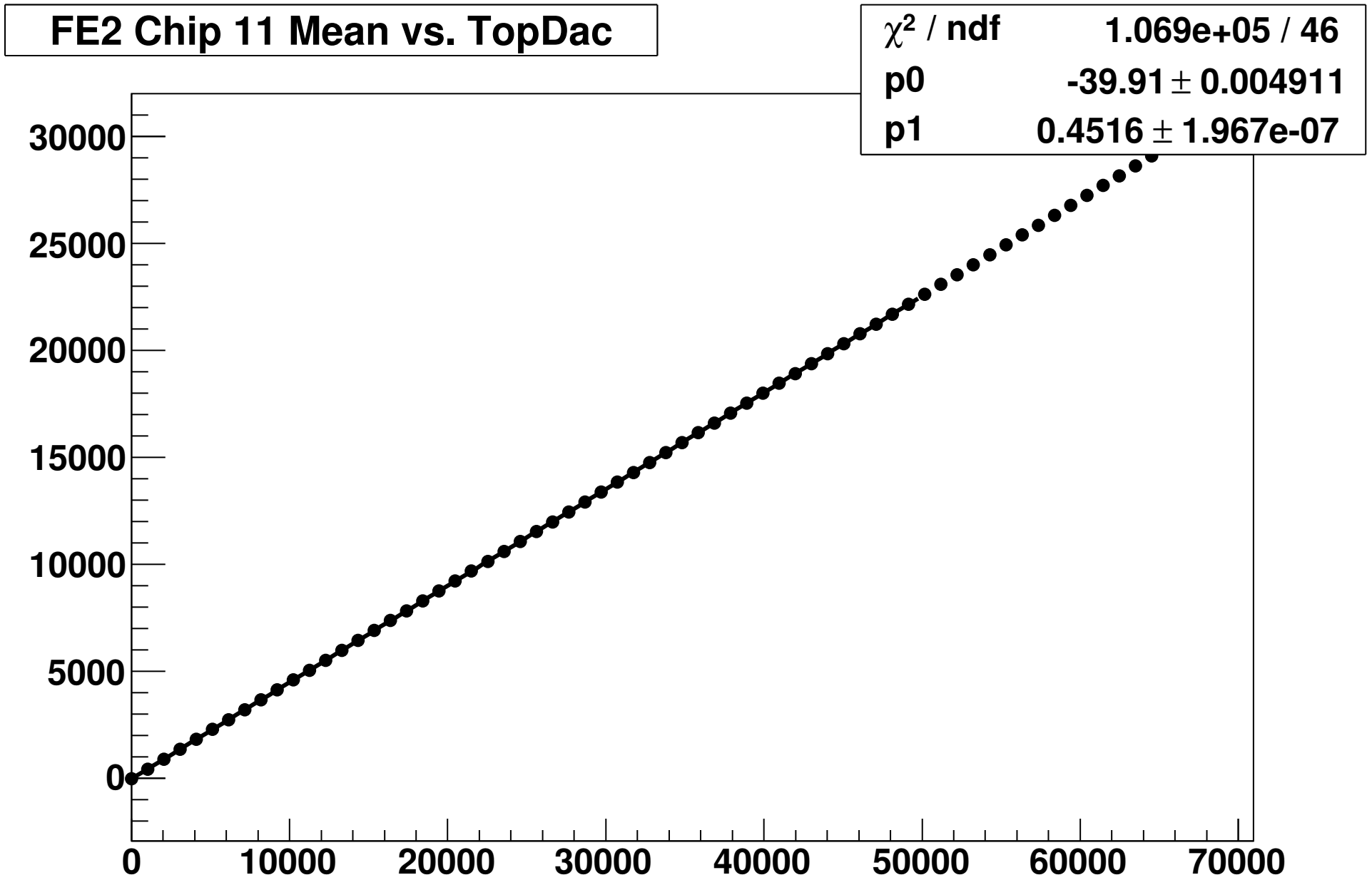

FE2 Chip 10 Rms vs. BotDac
χ² / ndf 40.97 / 46
p0 1.516 ± 0.002468
p1 3.037e-06 ± 1.115e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

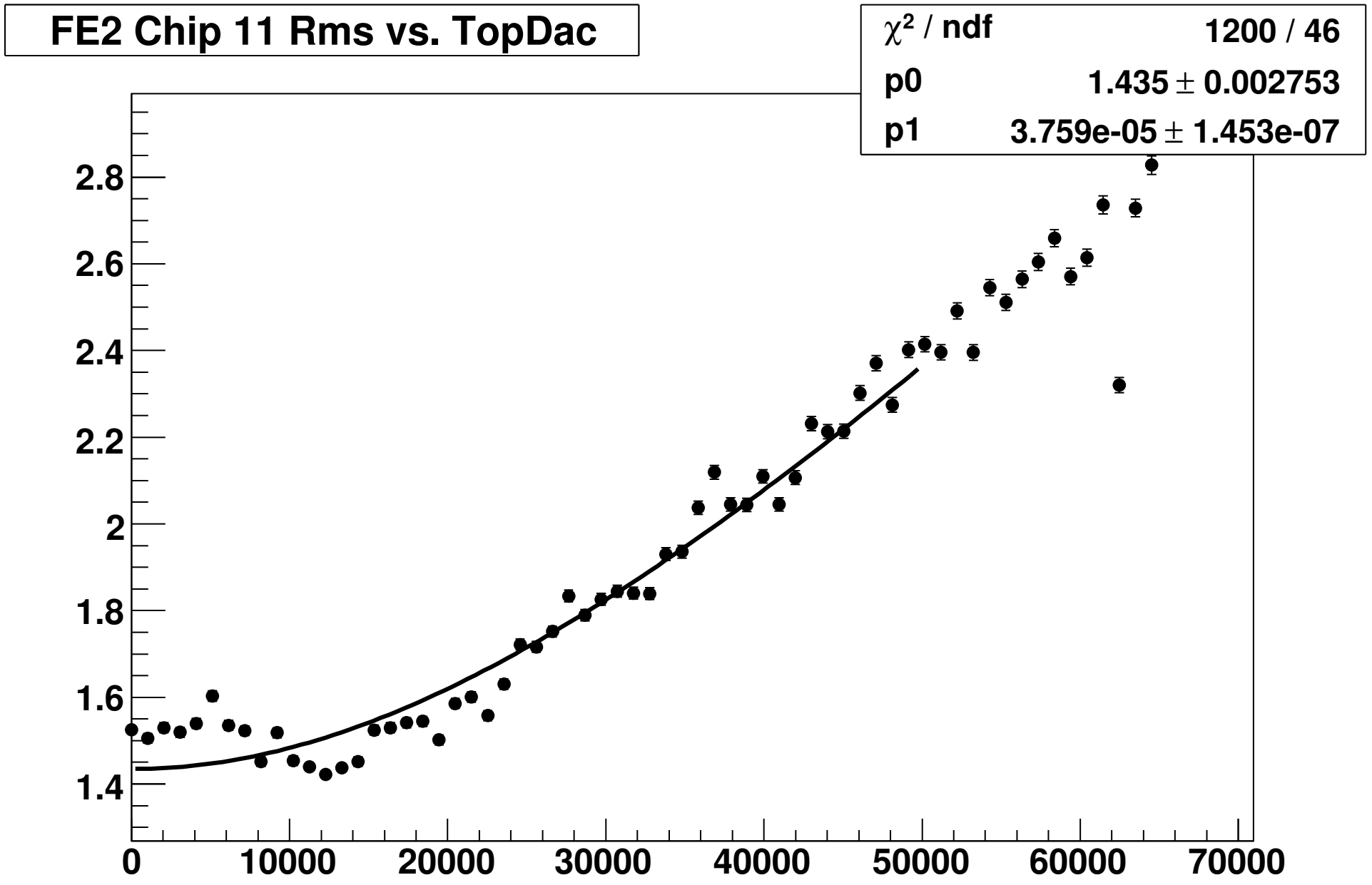

FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.176e+05 / 46
p0 -44.25 ± 0.004871
p1 0.4516 ± 1.952e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

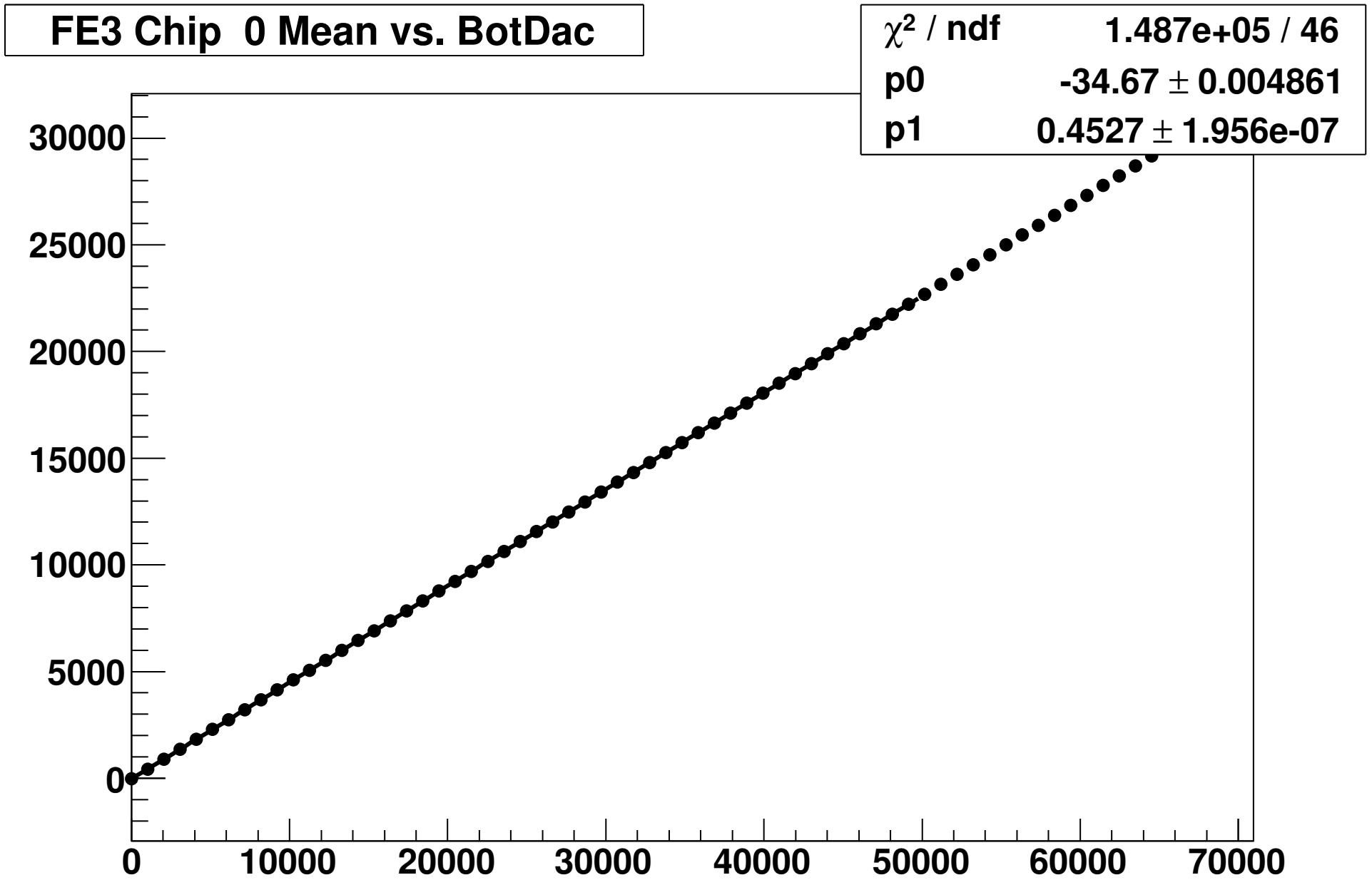

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1063 / 46
p0 1.423 ± 0.002731
p1 3.734e-05 ± 1.44e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

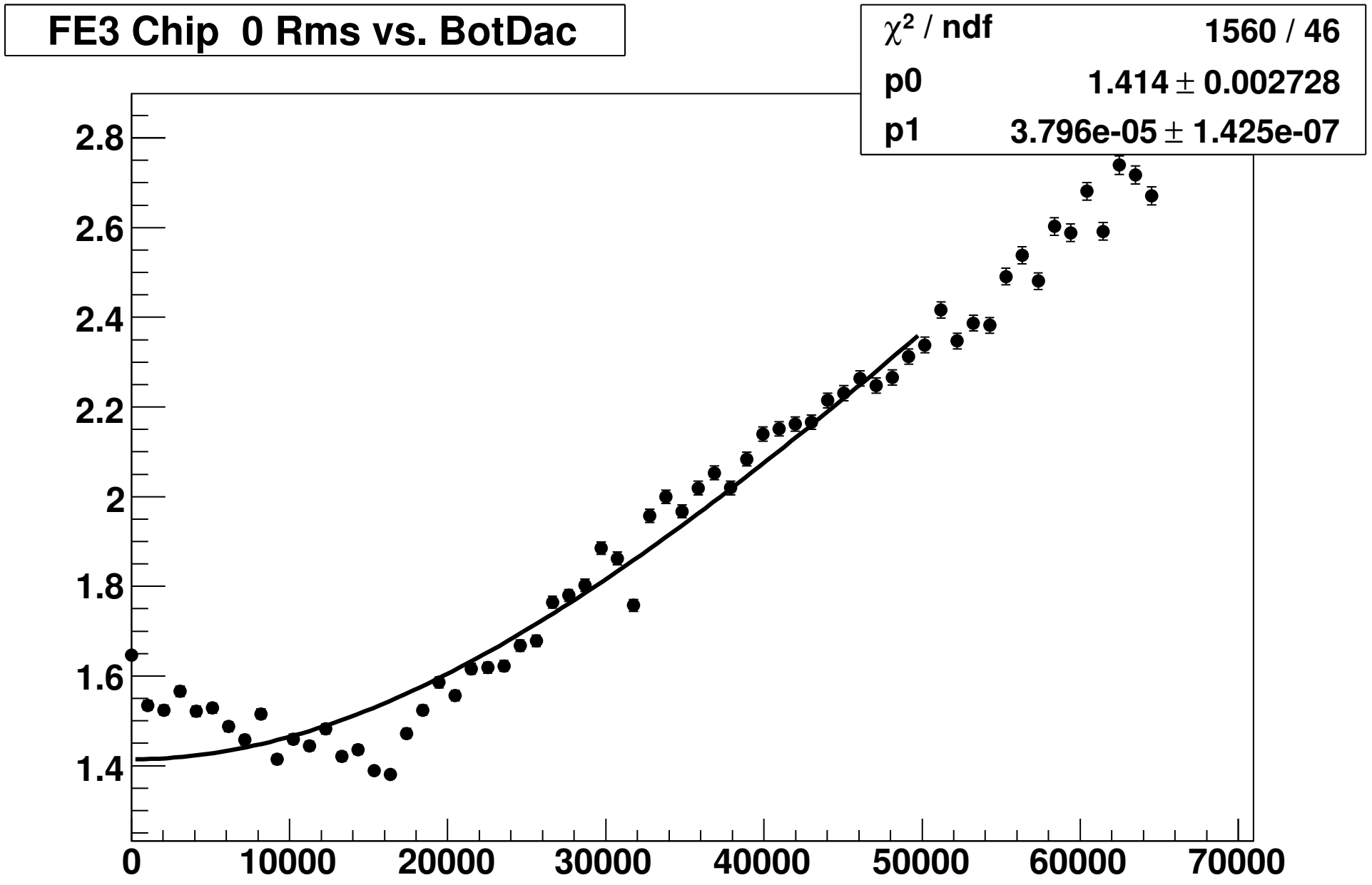

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 762.6 / 46
p0 -41.05 ± 0.004646
p1 1.566e-06 ± 1.612e-07
-40.9
-40.95
-41
-41.05
-41.1
-41.15
-41.2
0
10000
20000
30000
40000
50000
60000
70000

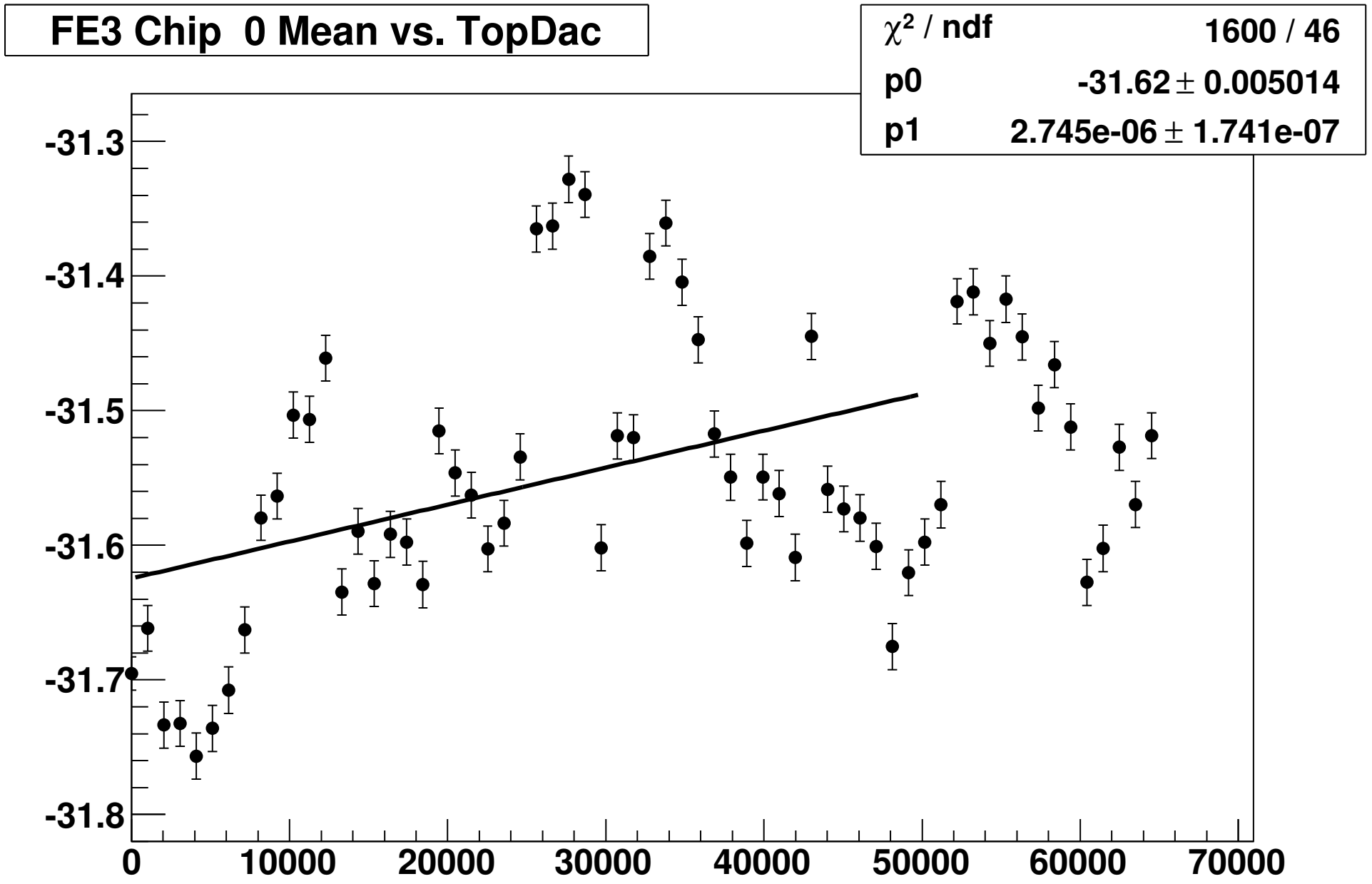

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 72.32 / 46
p0 1.504 ± 0.002496
p1 5.286e-07 ± 6.407e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

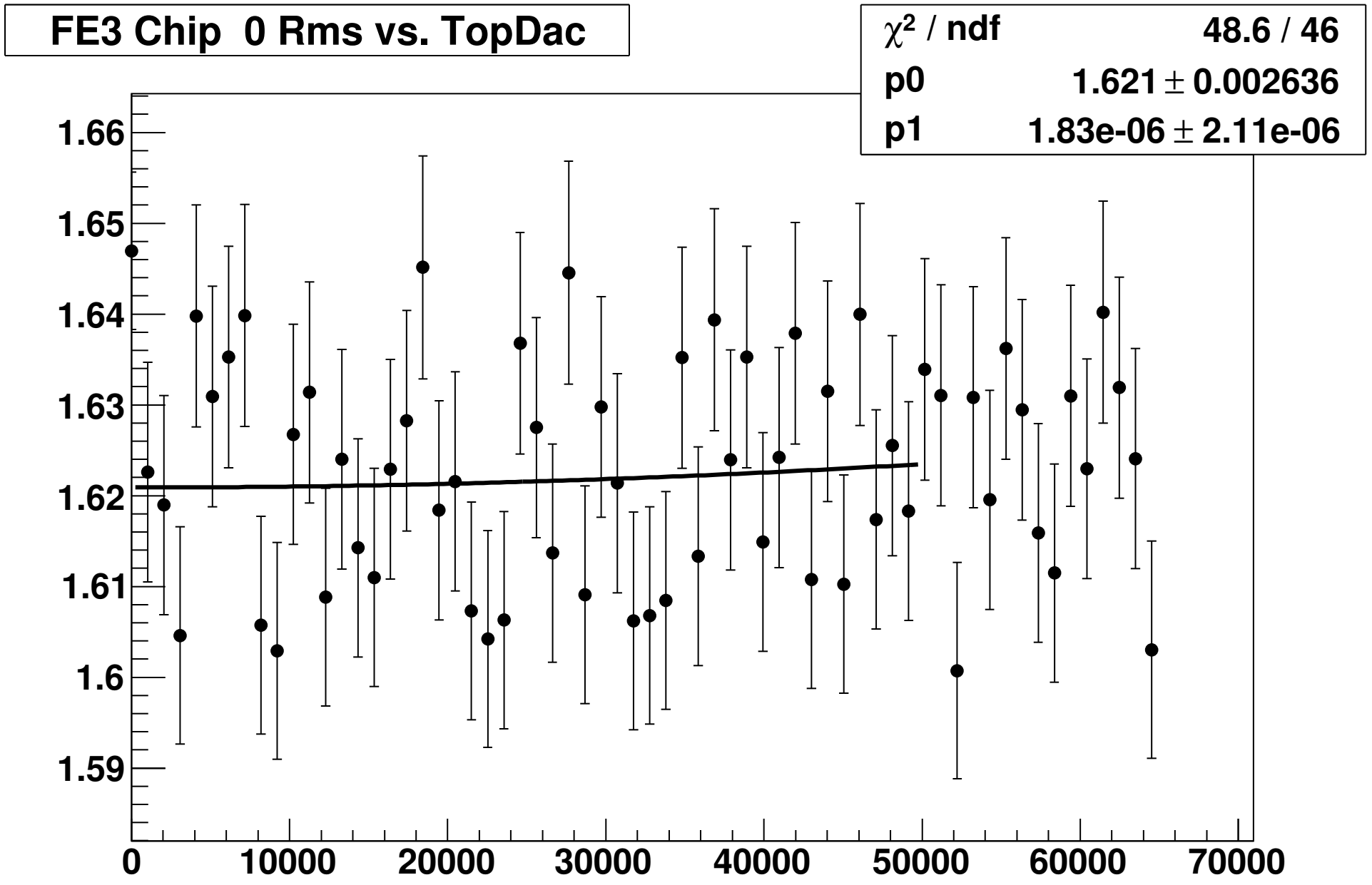

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.069e+05 / 46
p0 -39.91 ± 0.004911
p1 0.4516 ± 1.967e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1200 / 46
p0 1.435 ± 0.002753
p1 3.759e-05 ± 1.453e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.487e+05 / 46
p0 -34.67 ± 0.004861
p1 0.4527 ± 1.956e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1560 / 46
p0 1.414 ± 0.002728
p1 3.796e-05 ± 1.425e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1600 / 46
p0 -31.62 ± 0.005014
p1 2.745e-06 ± 1.741e-07
-31.3
-31.4
-31.5
-31.6
-31.7
-31.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 48.6 / 46
p0 1.621 ± 0.002636
p1 1.83e-06 ± 2.11e-06
1.66
1.65
1.64
1.63
1.62
1.61
1.6
1.59
0
10000
20000
30000
40000
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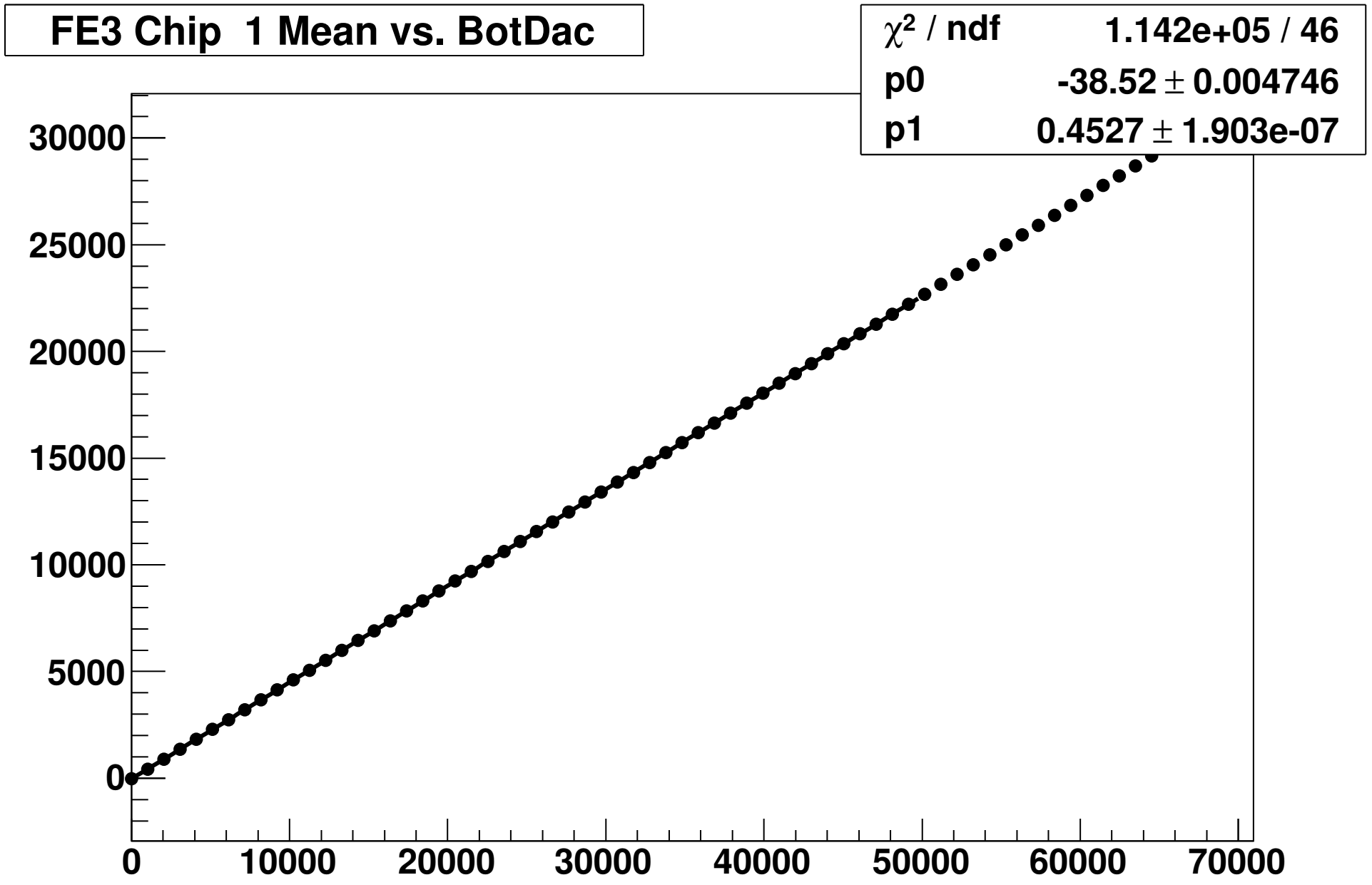
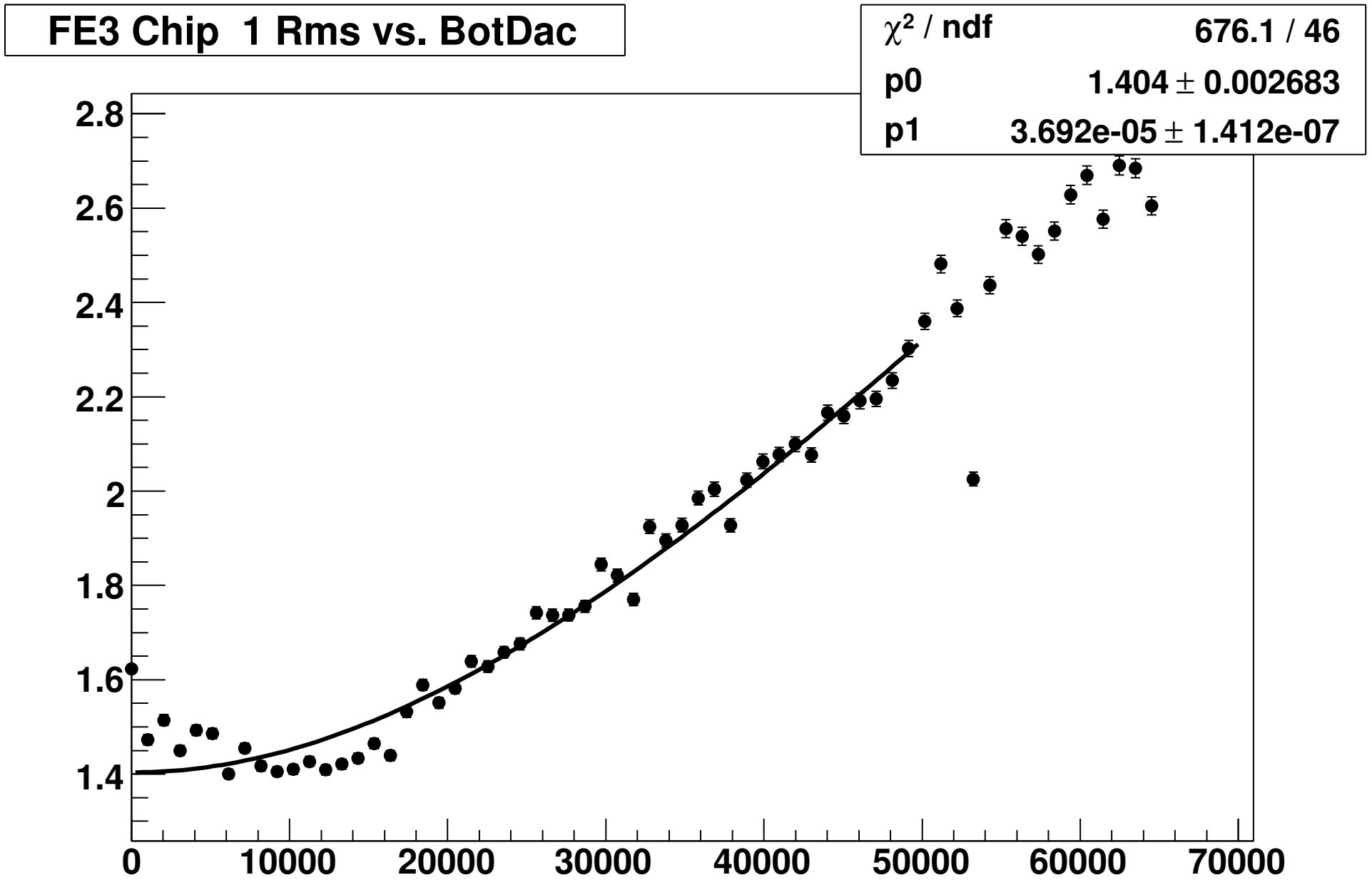
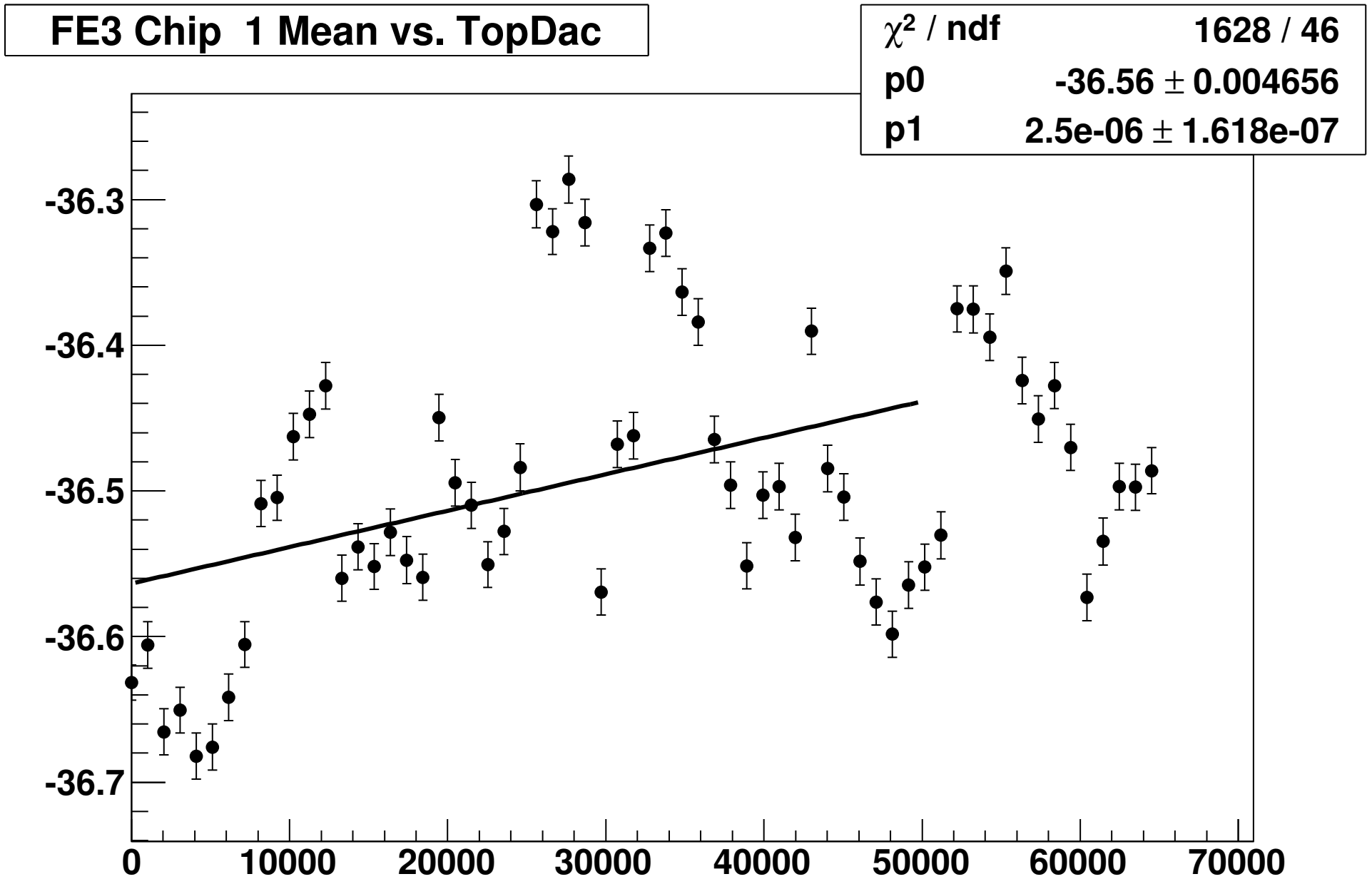
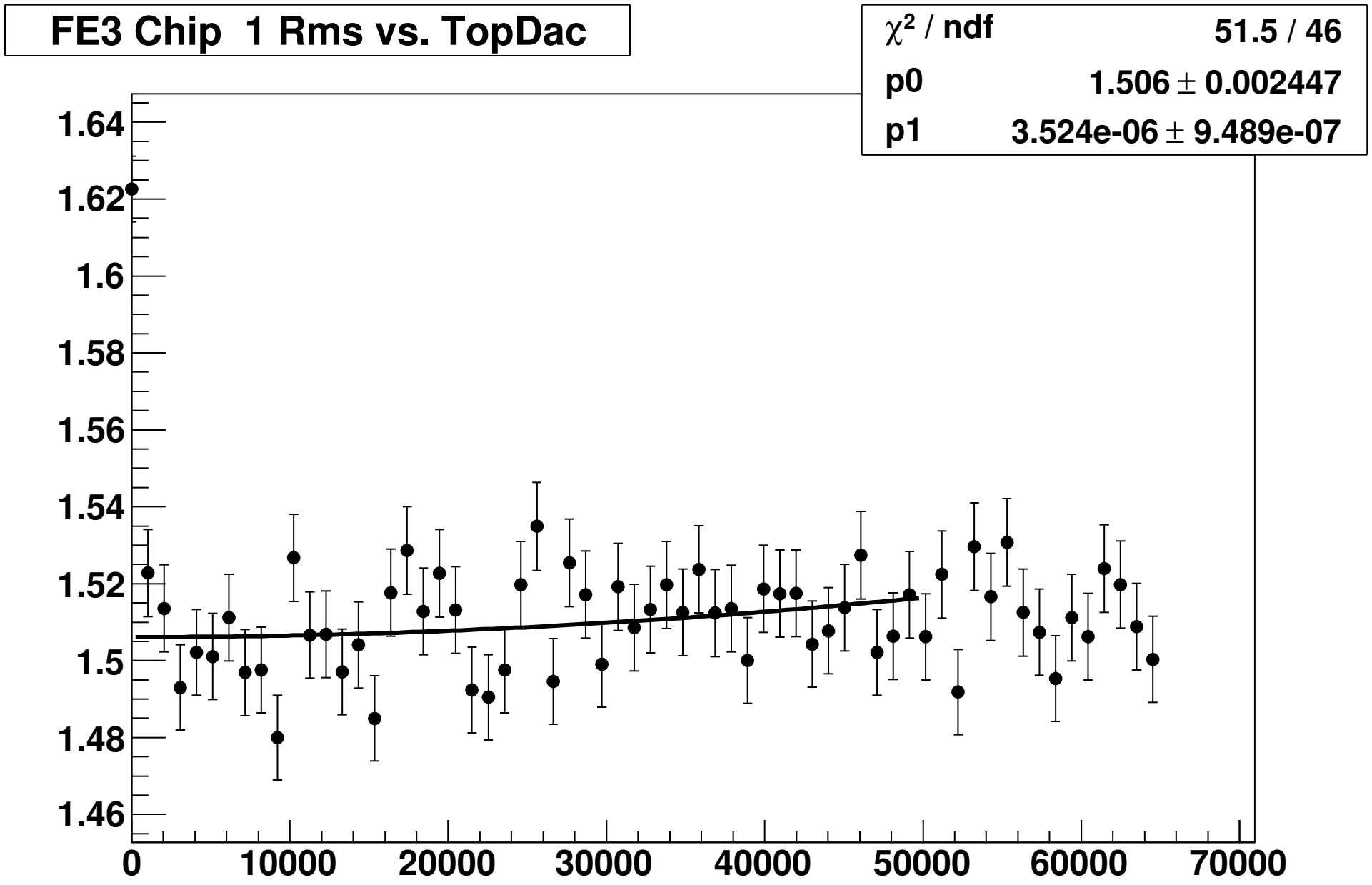
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.142e+05 / 46
p0 -38.52 ± 0.004746
p1 0.4527 ± 1.903e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 676.1 / 46
p0 1.404 ± 0.002683
p1 3.692e-05 ± 1.412e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1628 / 46
p0 -36.56 ± 0.004656
p1 2.5e-06 ± 1.618e-07
-36.3
-36.4
-36.5
-36.6
-36.7
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 51.5 / 46
p0 1.506 ± 0.002447
p1 3.524e-06 ± 9.489e-07
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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50000
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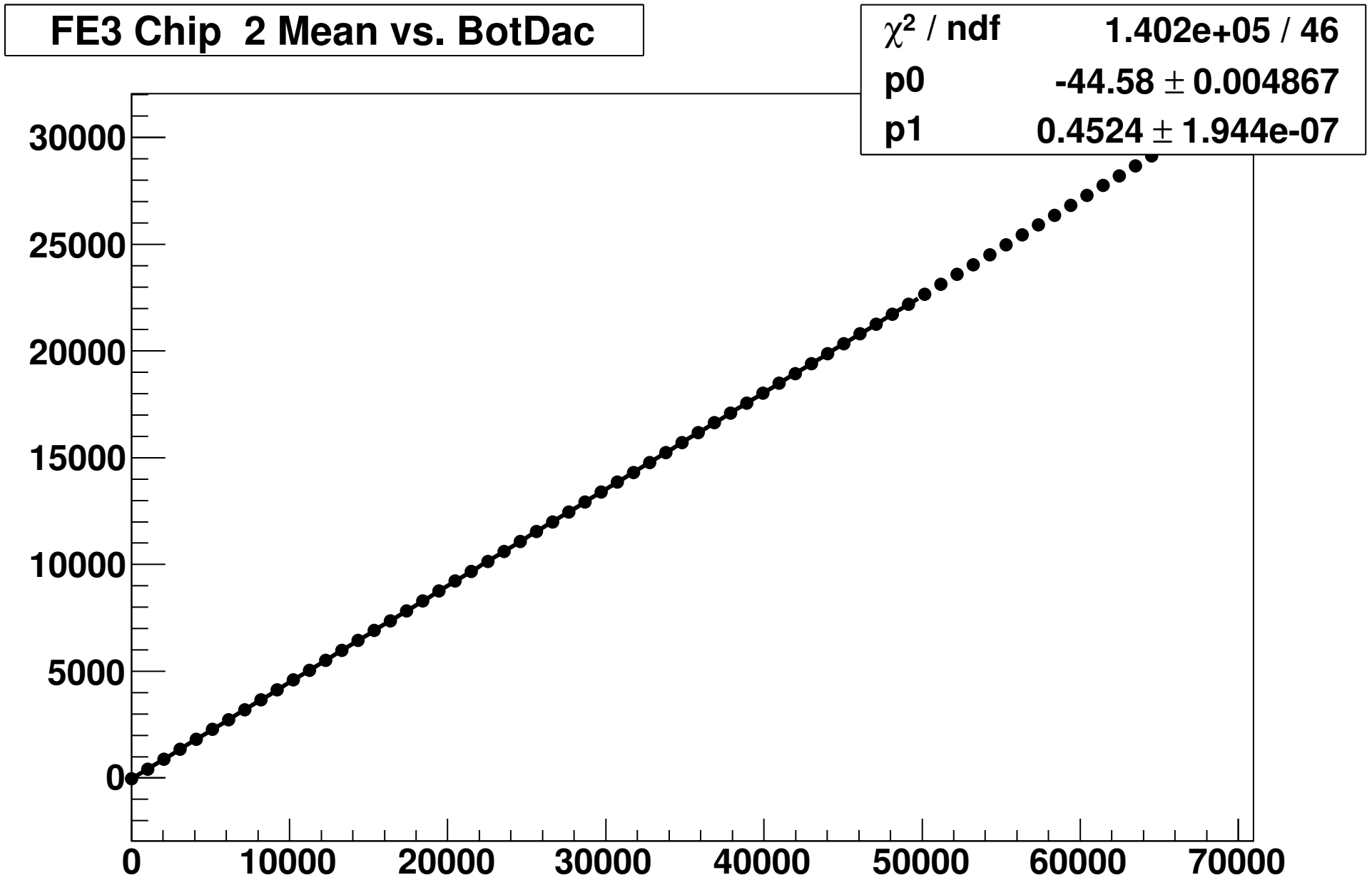
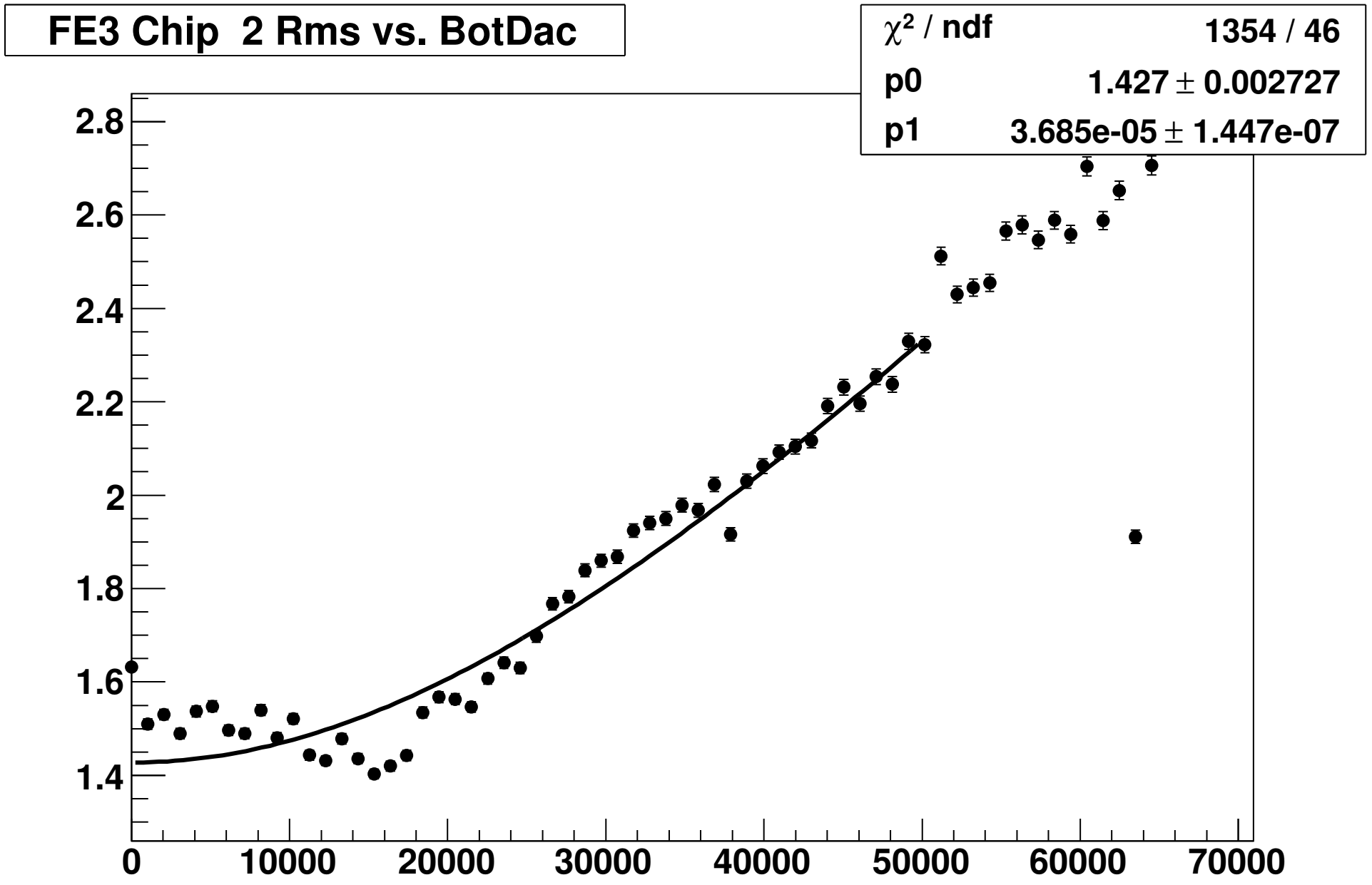
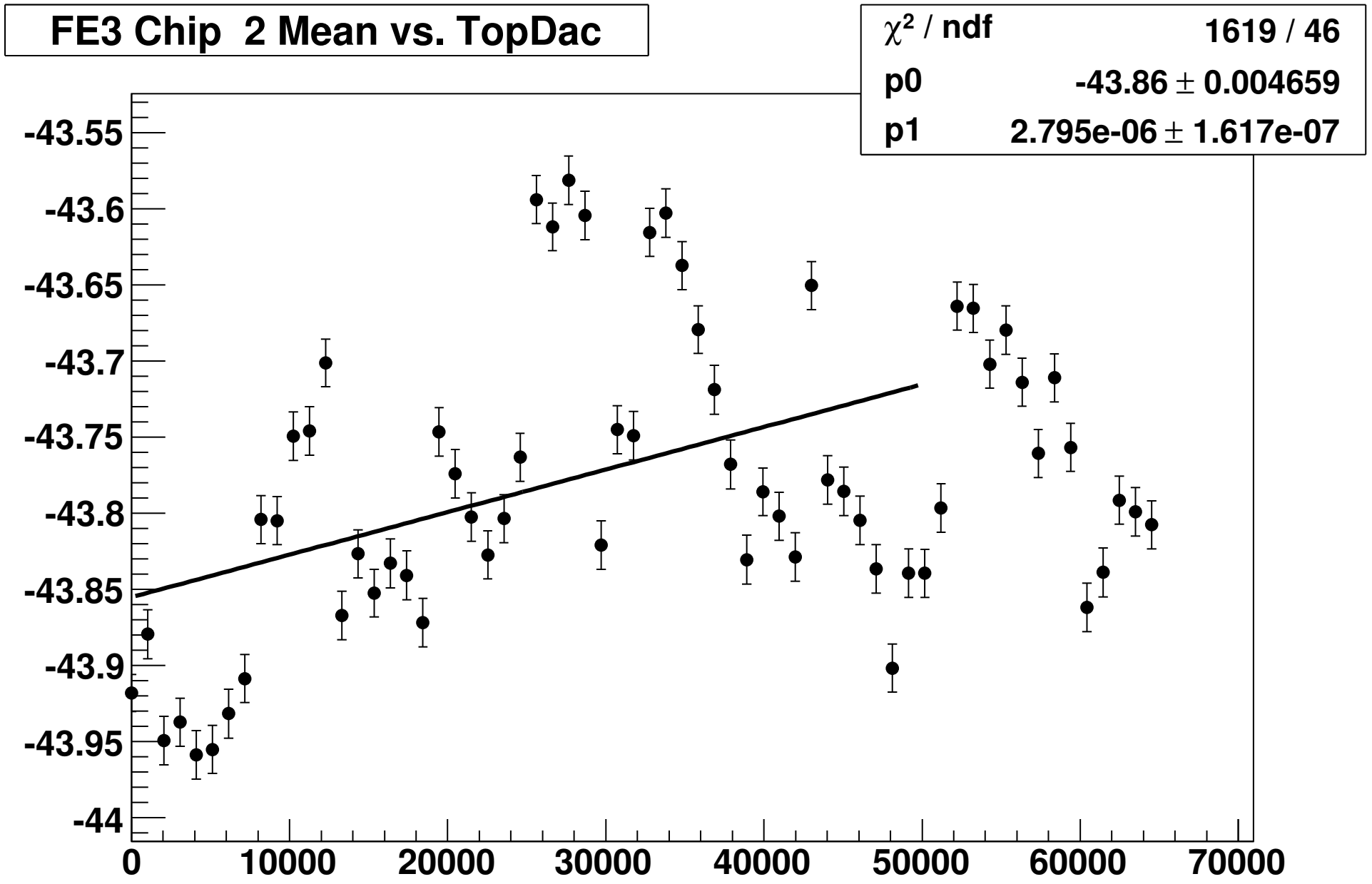

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.402e+05 / 46
p0 -44.58 ± 0.004867
p1 0.4524 ± 1.944e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1354 / 46
p0 1.427 ± 0.002727
p1 3.685e-05 ± 1.447e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1619 / 46
p0 -43.86 ± 0.004659
p1 2.795e-06 ± 1.617e-07
-43.55
-43.6
-43.65
-43.7
-43.75
-43.8
-43.85
-43.9
-43.95
-44
0
10000
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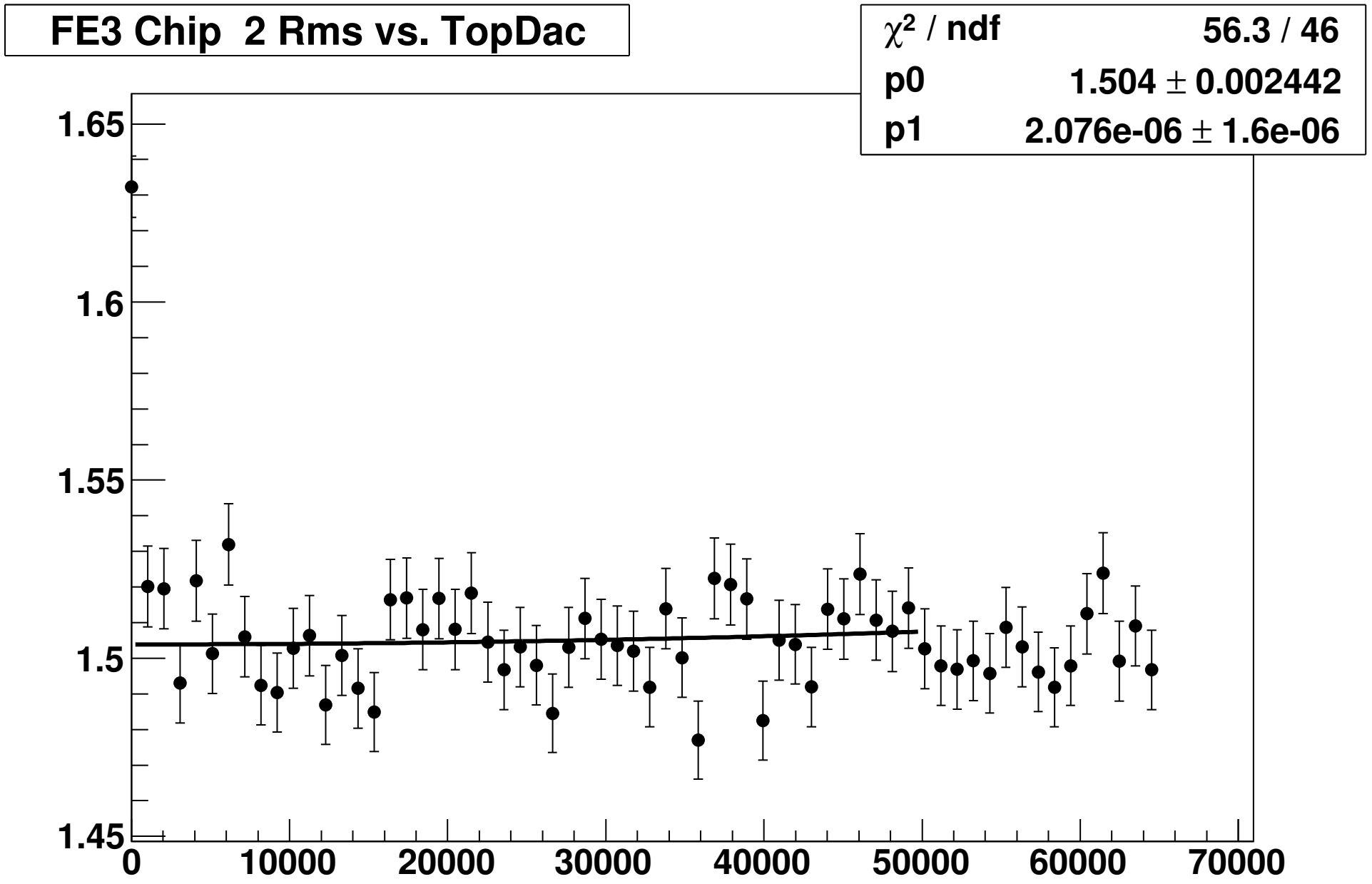
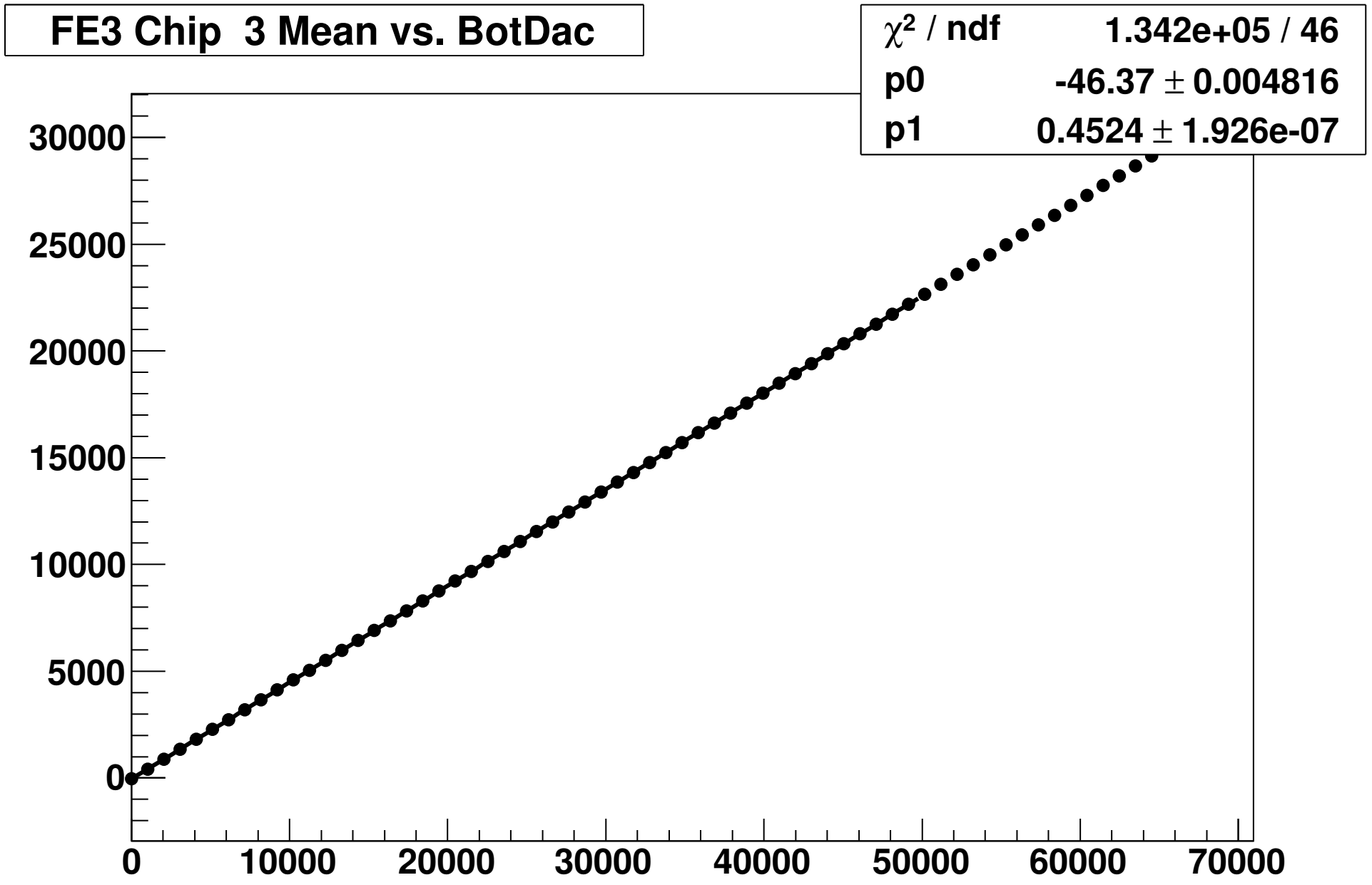
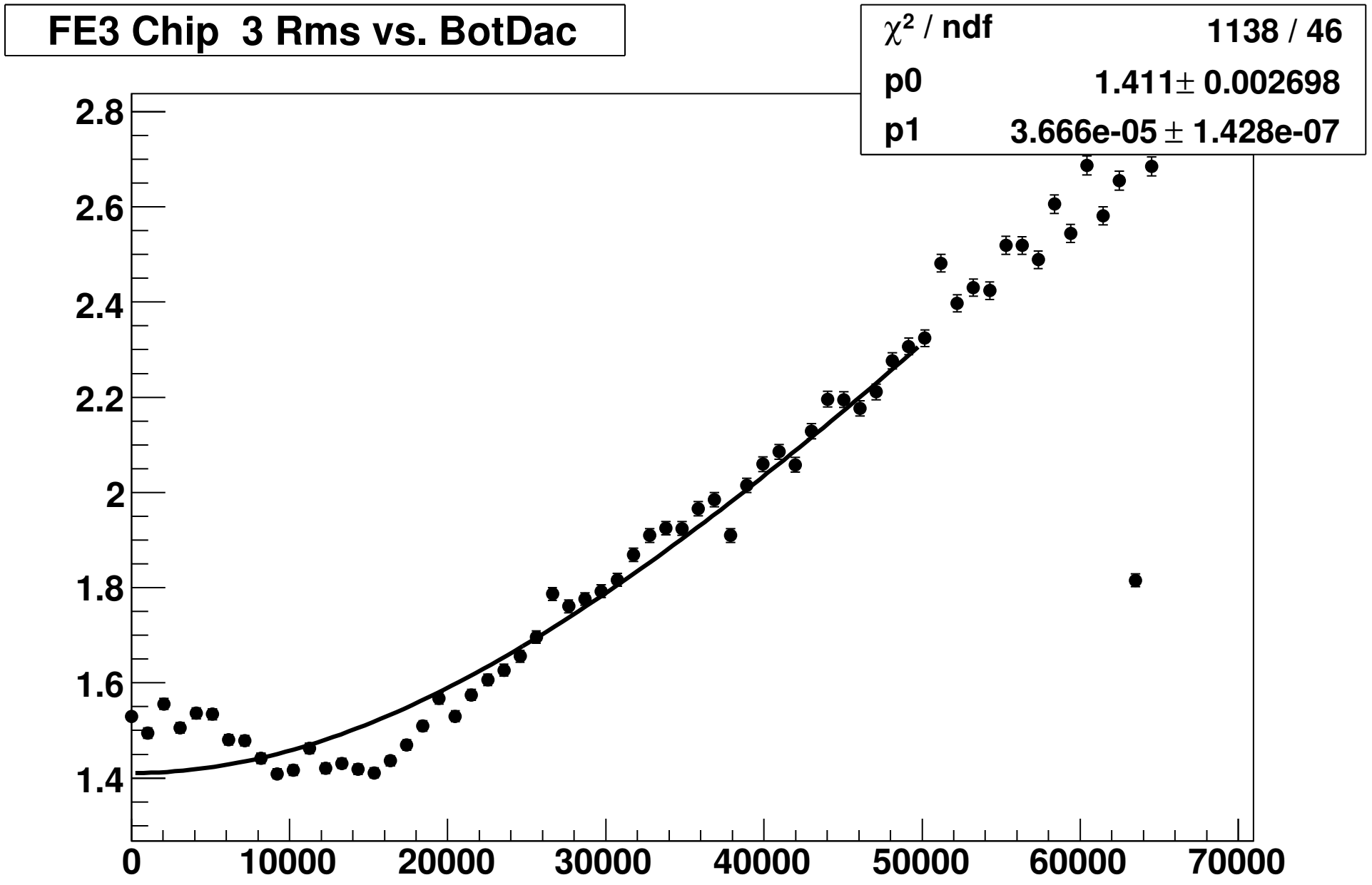
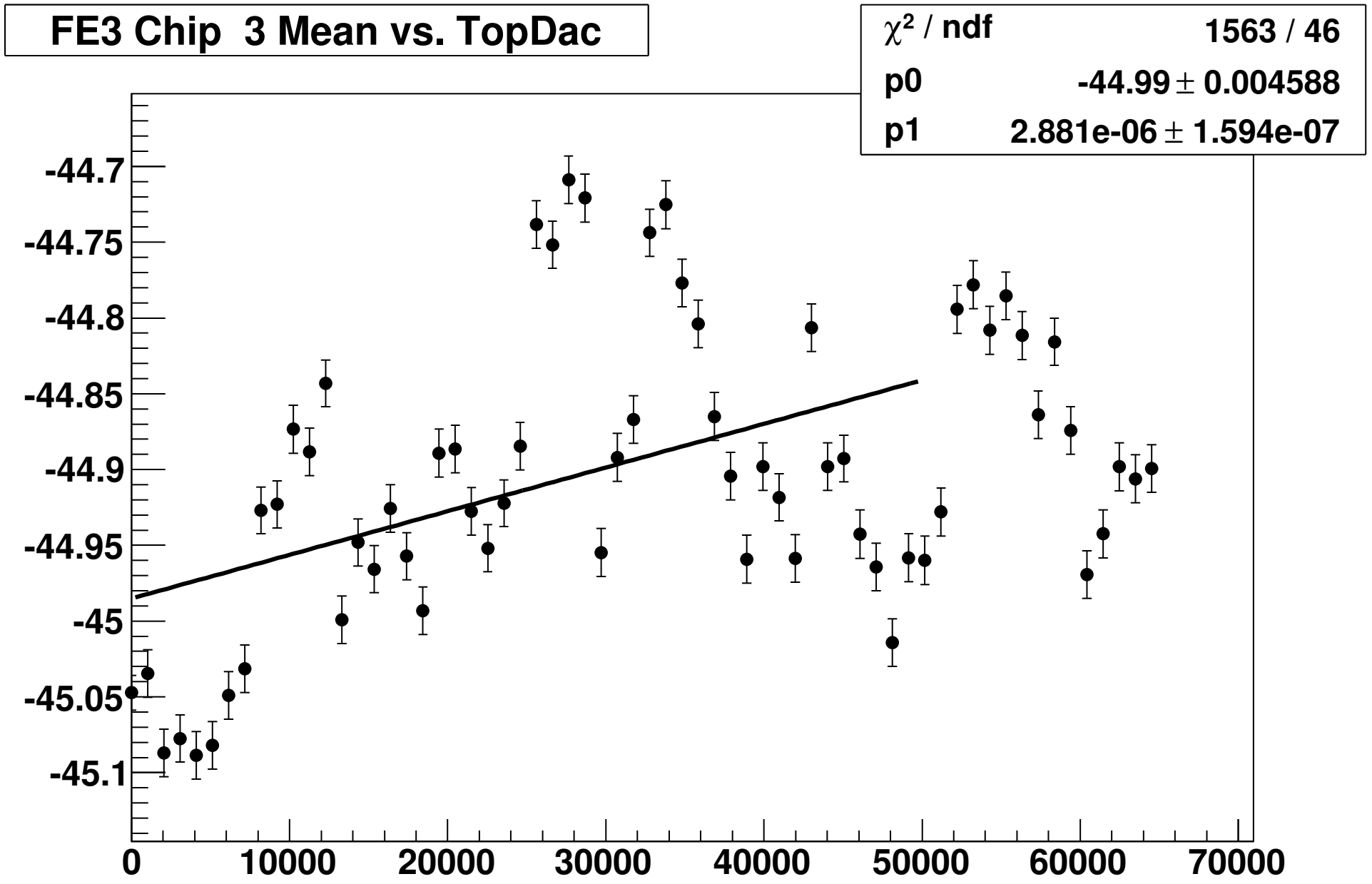
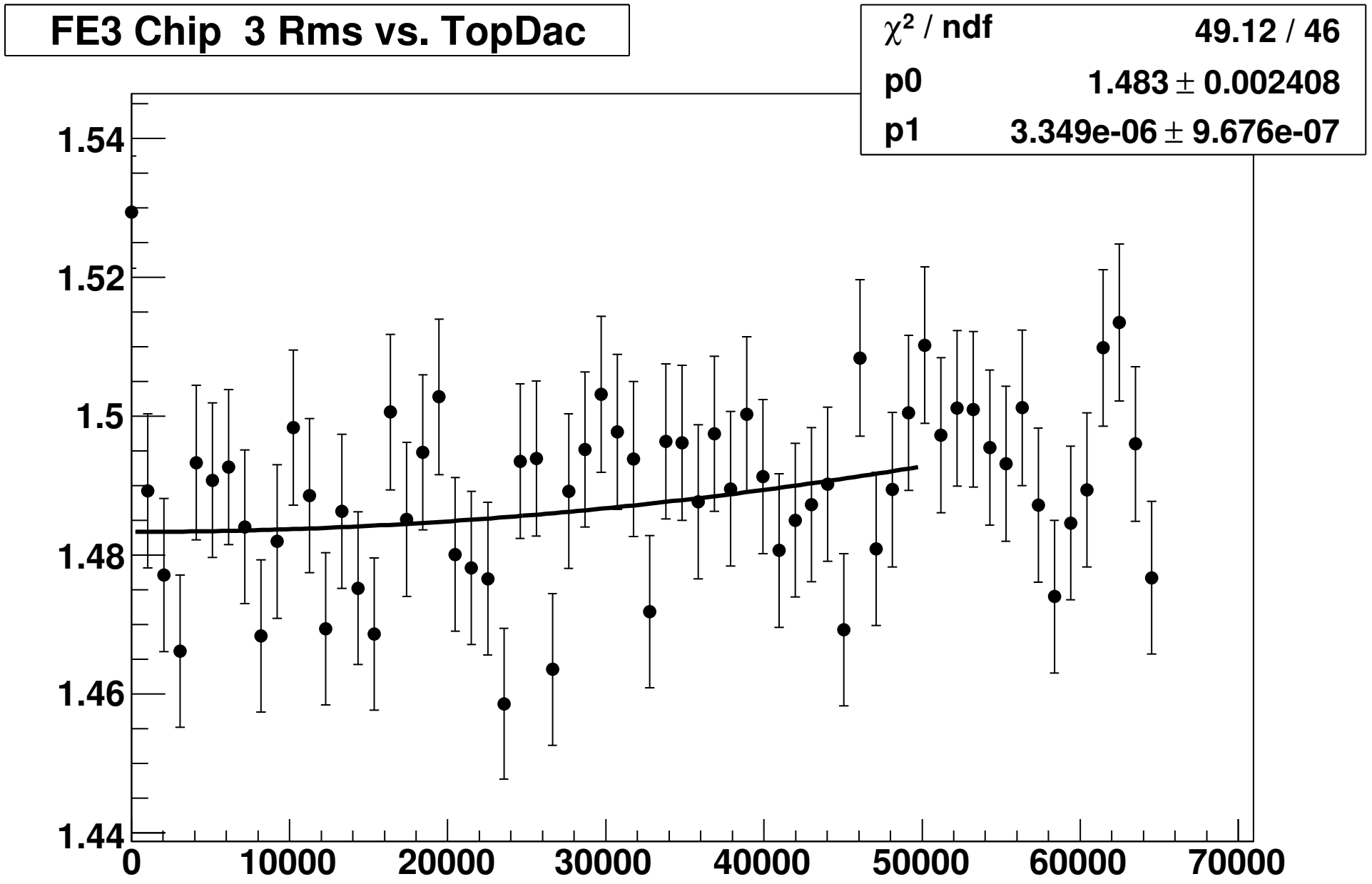
40000
50000
60000
70000

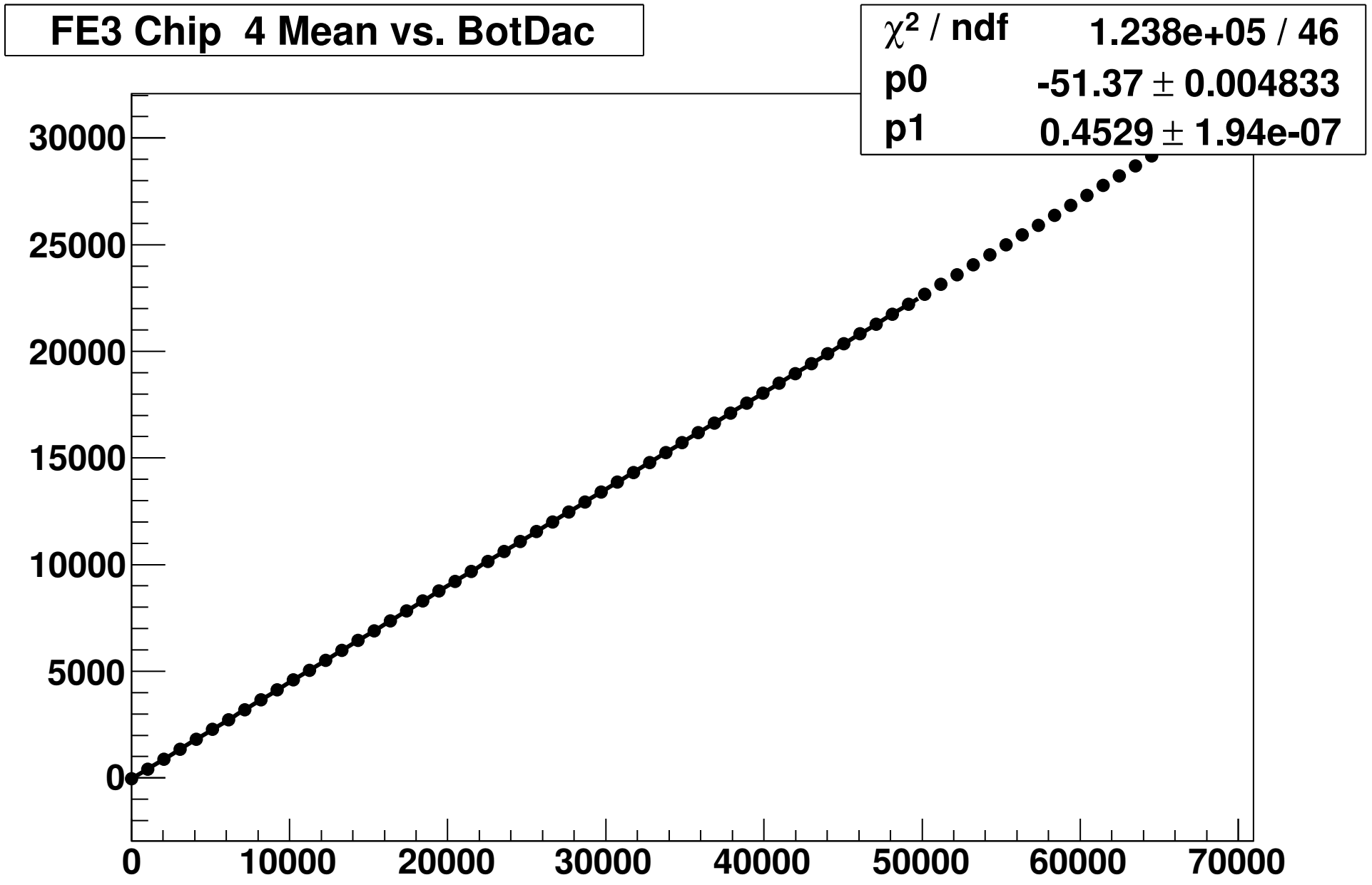

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 56.3 / 46
p0 1.504 ± 0.002442
p1 2.076e-06 ± 1.6e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

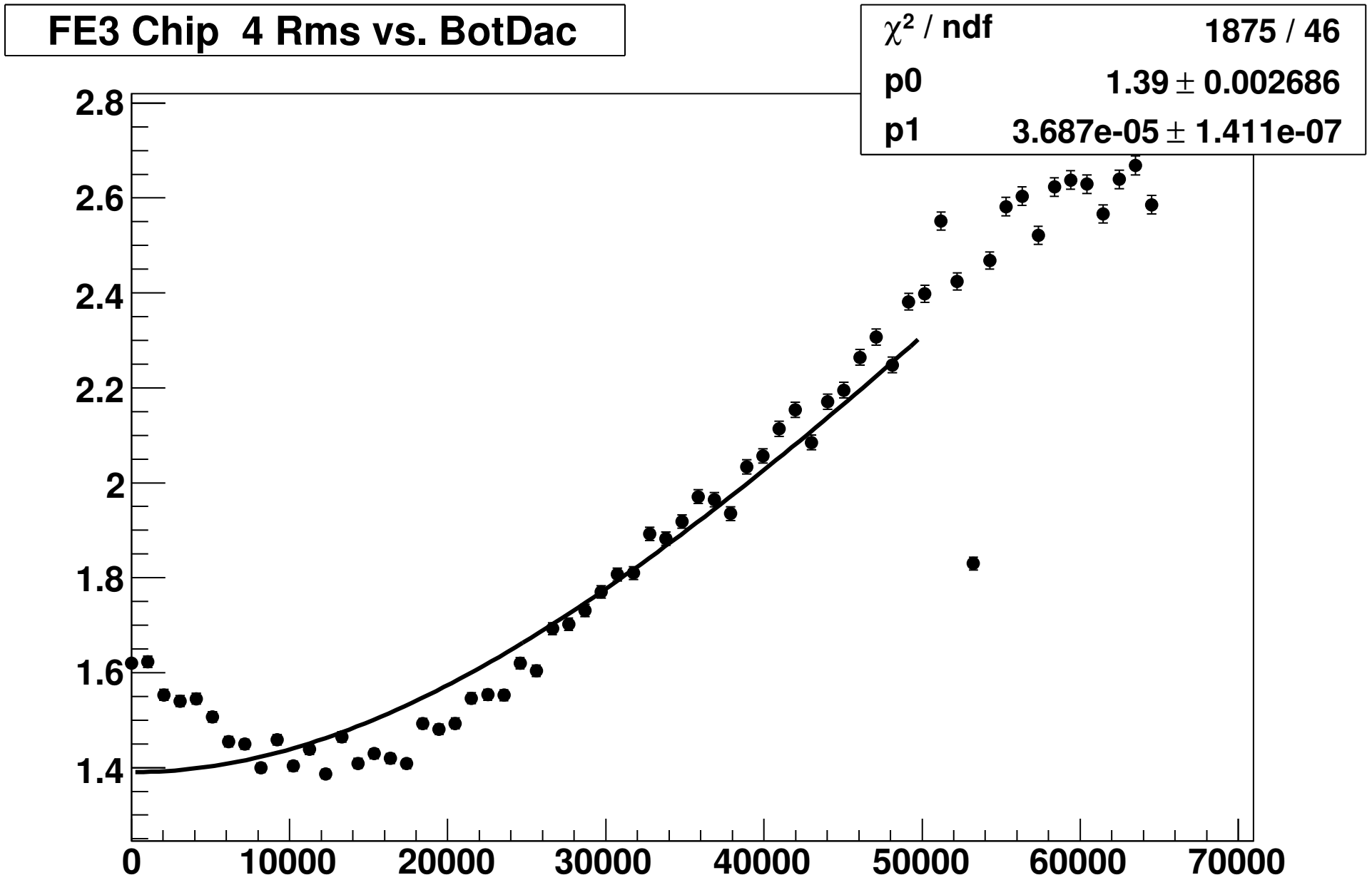

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.342e+05 / 46
p0 -46.37 ± 0.004816
p1 0.4524 ± 1.926e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1138 / 46
p0 1.411 ± 0.002698
p1 3.666e-05 ± 1.428e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1563 / 46
p0 -44.99 ± 0.004588
p1 2.881e-06 ± 1.594e-07
-44.7
-44.75
-44.8
-44.85
-44.9
-44.95
-45
-45.05
-45.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 49.12 / 46
p0 1.483 ± 0.002408
p1 3.349e-06 ± 9.676e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 1.238e+05 / 46
p0 -51.37 ± 0.004833
p1 0.4529 ± 1.94e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1875 / 46
p0 1.39 ± 0.002686
p1 3.687e-05 ± 1.411e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
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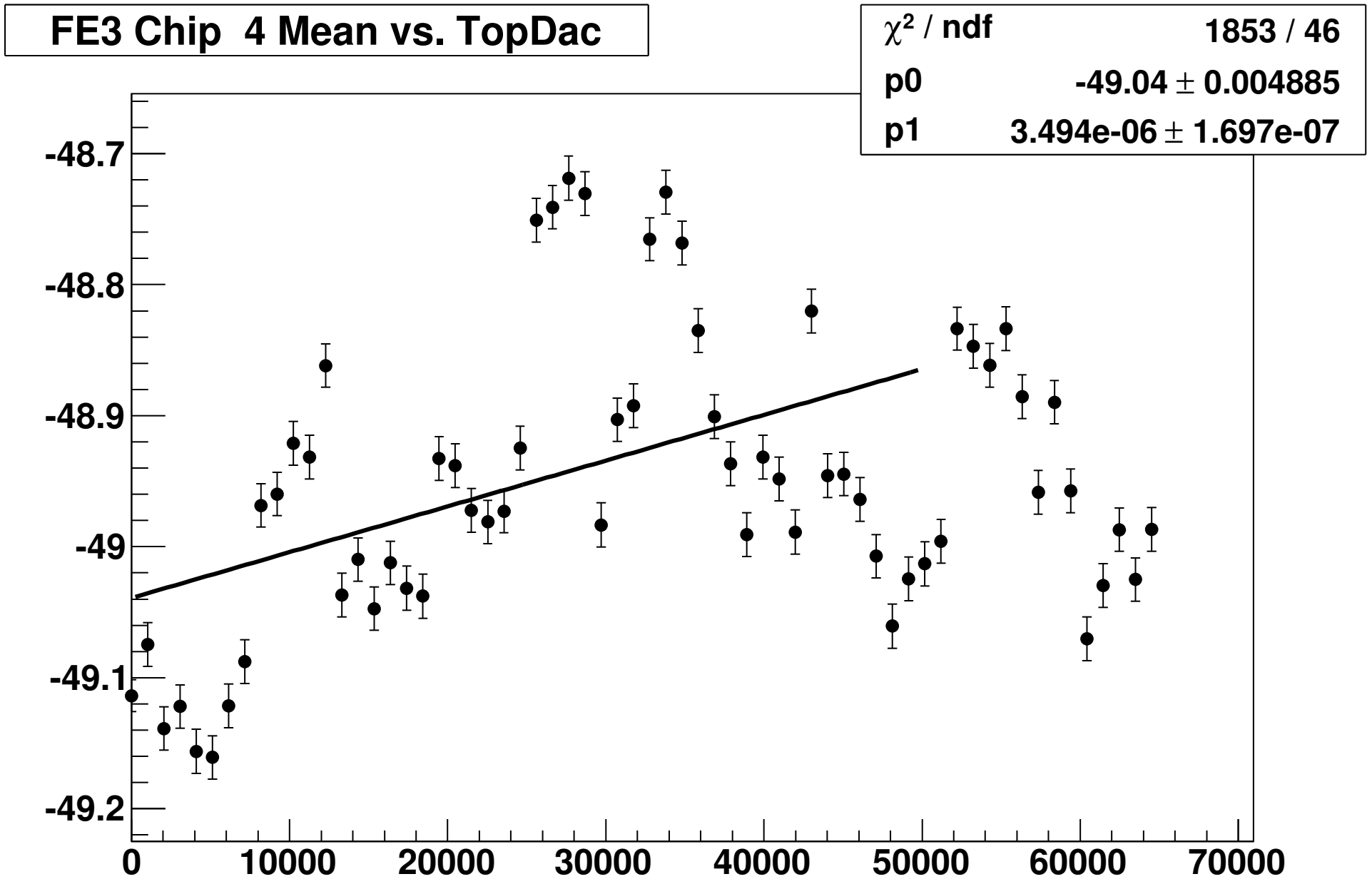
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 1853 / 46
p0 -49.04 ± 0.004885
p1 3.494e-06 ± 1.697e-07
-48.7
-48.8
-48.9
-49
-49.1
-49.2
0
10000
20000
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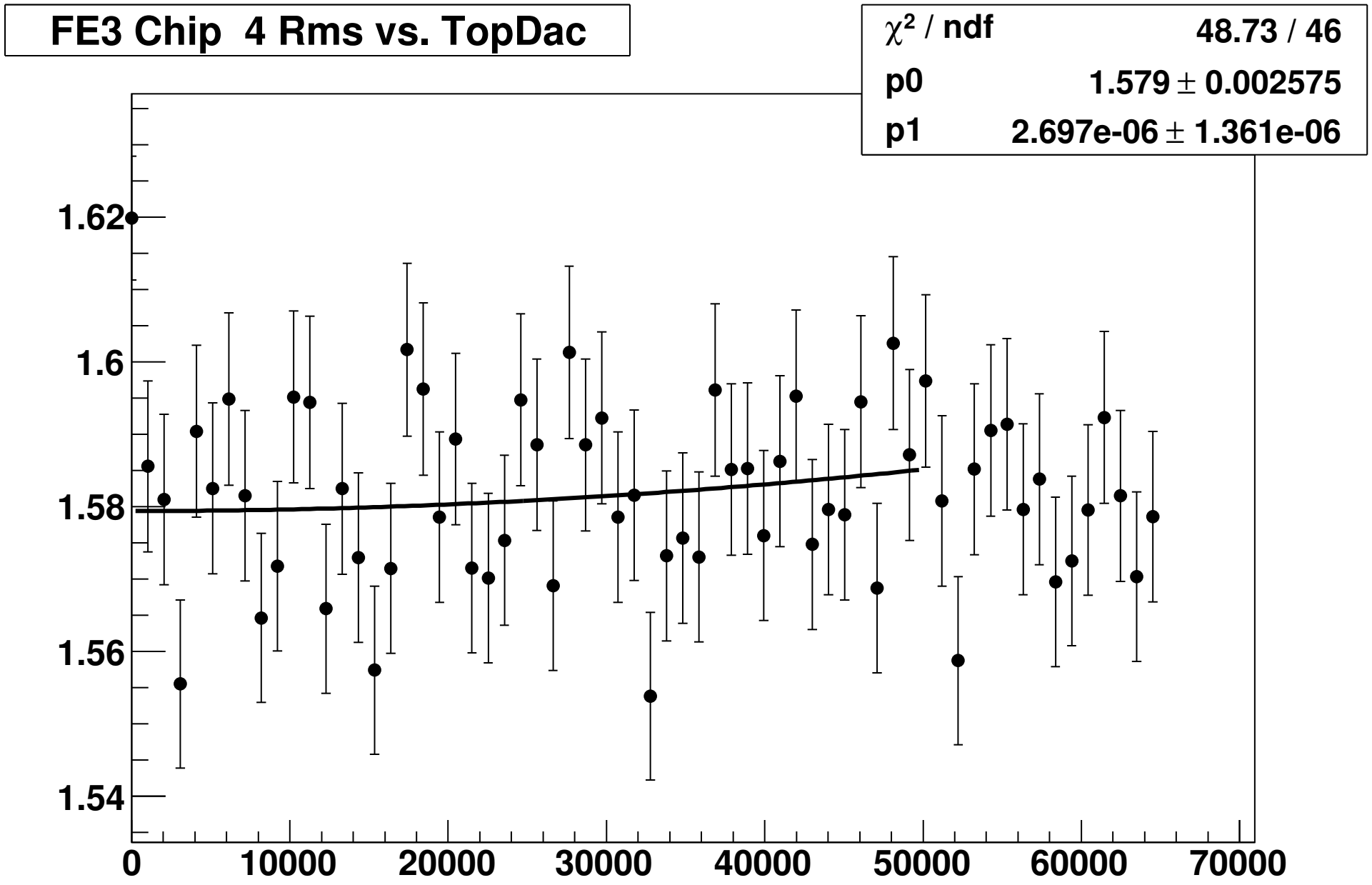
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 48.73 / 46
p0 1.579 ± 0.002575
p1 2.697e-06 ± 1.361e-06
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
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60000
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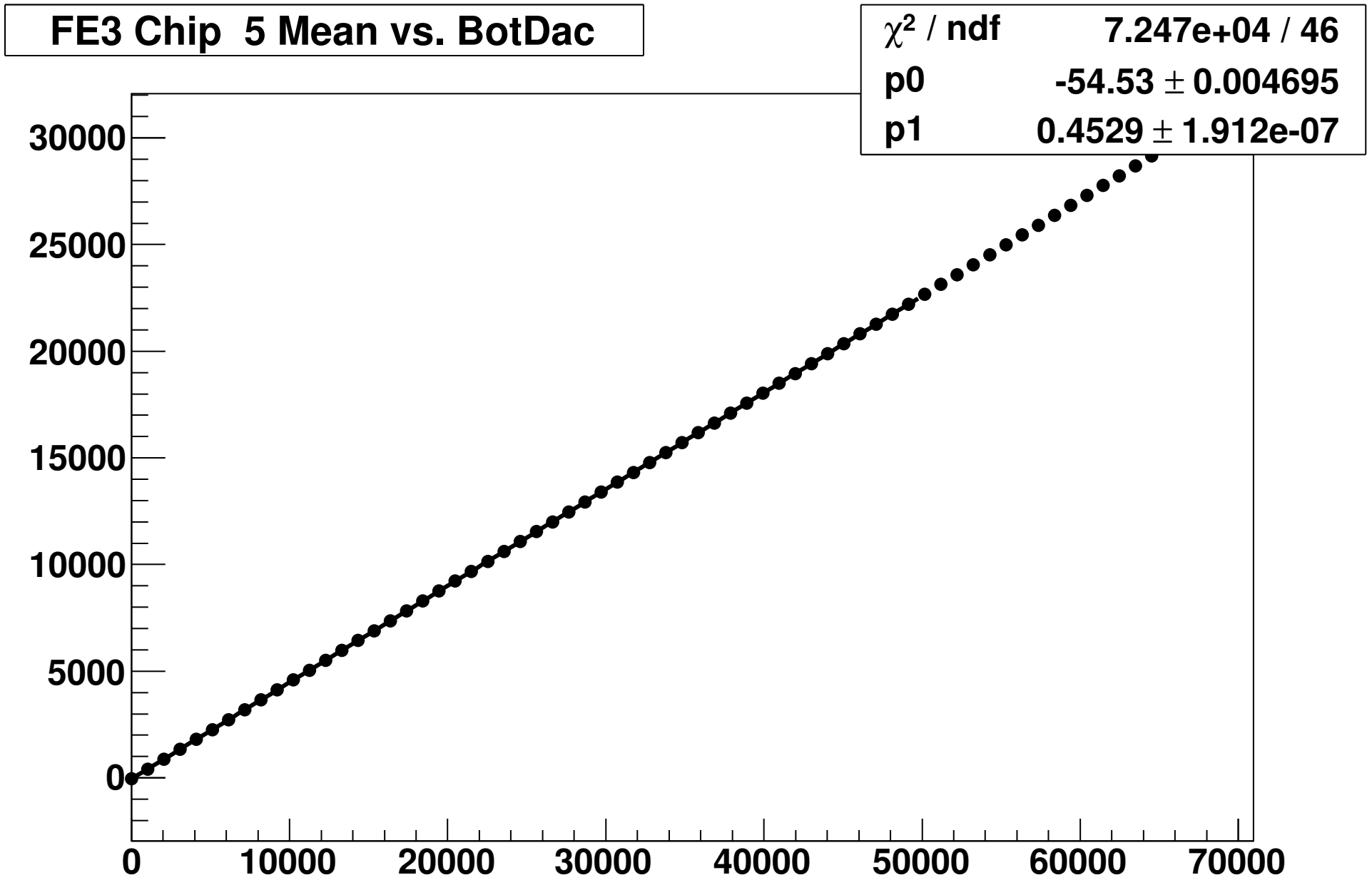
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 7.247e+04 / 46
p0 -54.53 ± 0.004695
p1 0.4529 ± 1.912e-07
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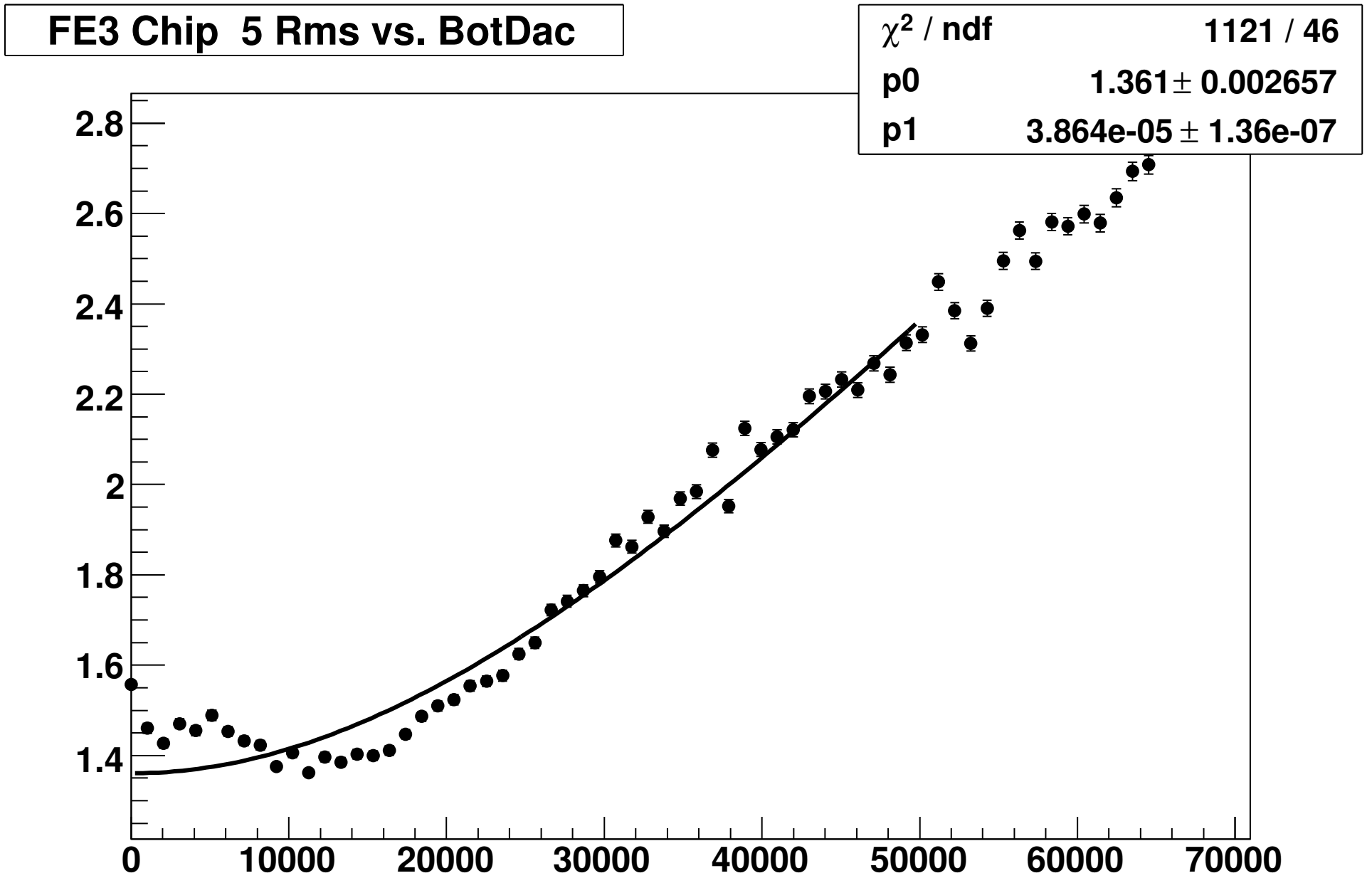
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1121 / 46
p0 1.361 ± 0.002657
p1 3.864e-05 ± 1.36e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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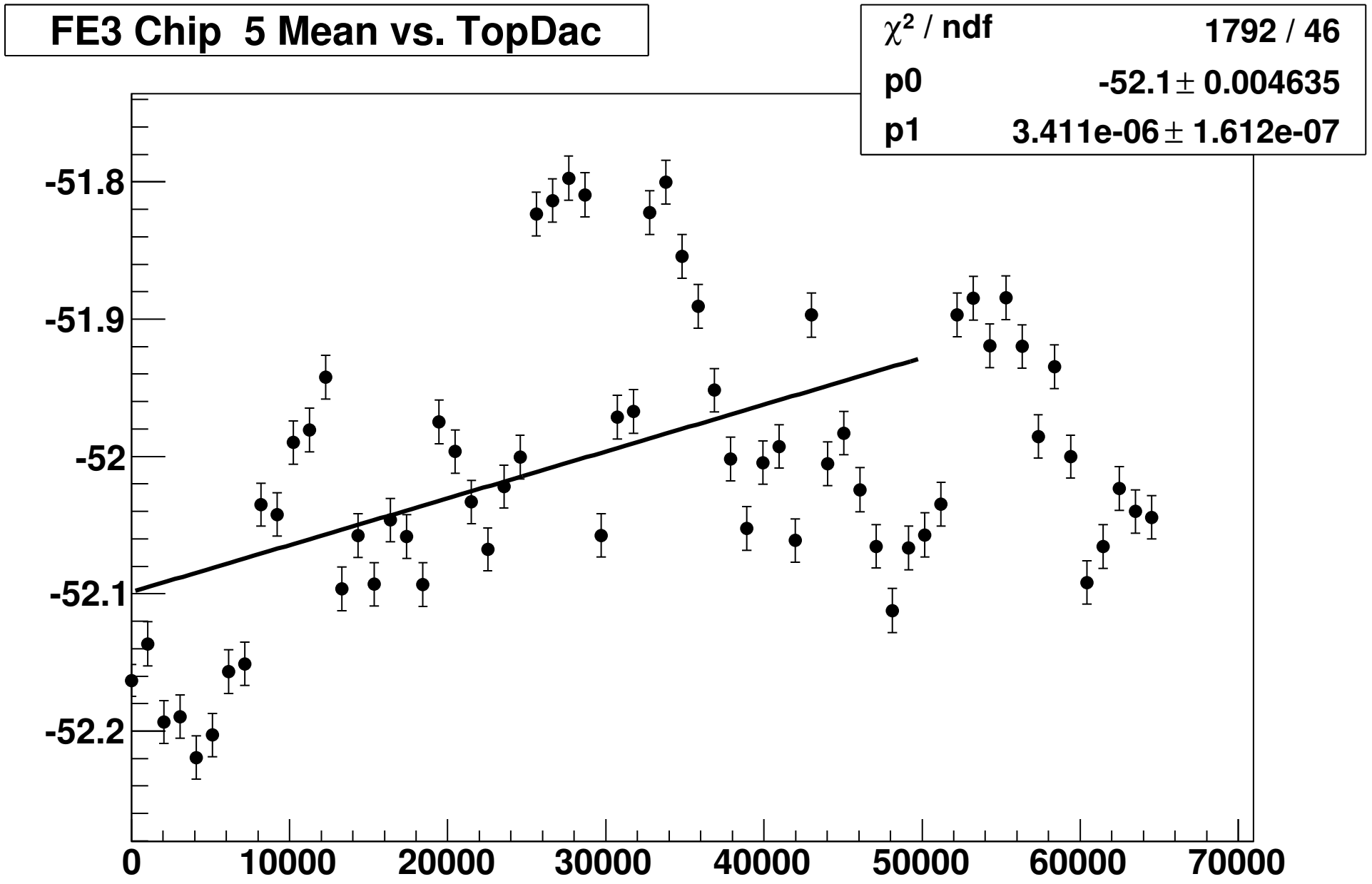
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1792 / 46
p0 -52.1 ± 0.004635
p1 3.411e-06 ± 1.612e-07
-51.8
-51.9
-52
-52.1
-52.2
0
10000
20000
30000
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60000
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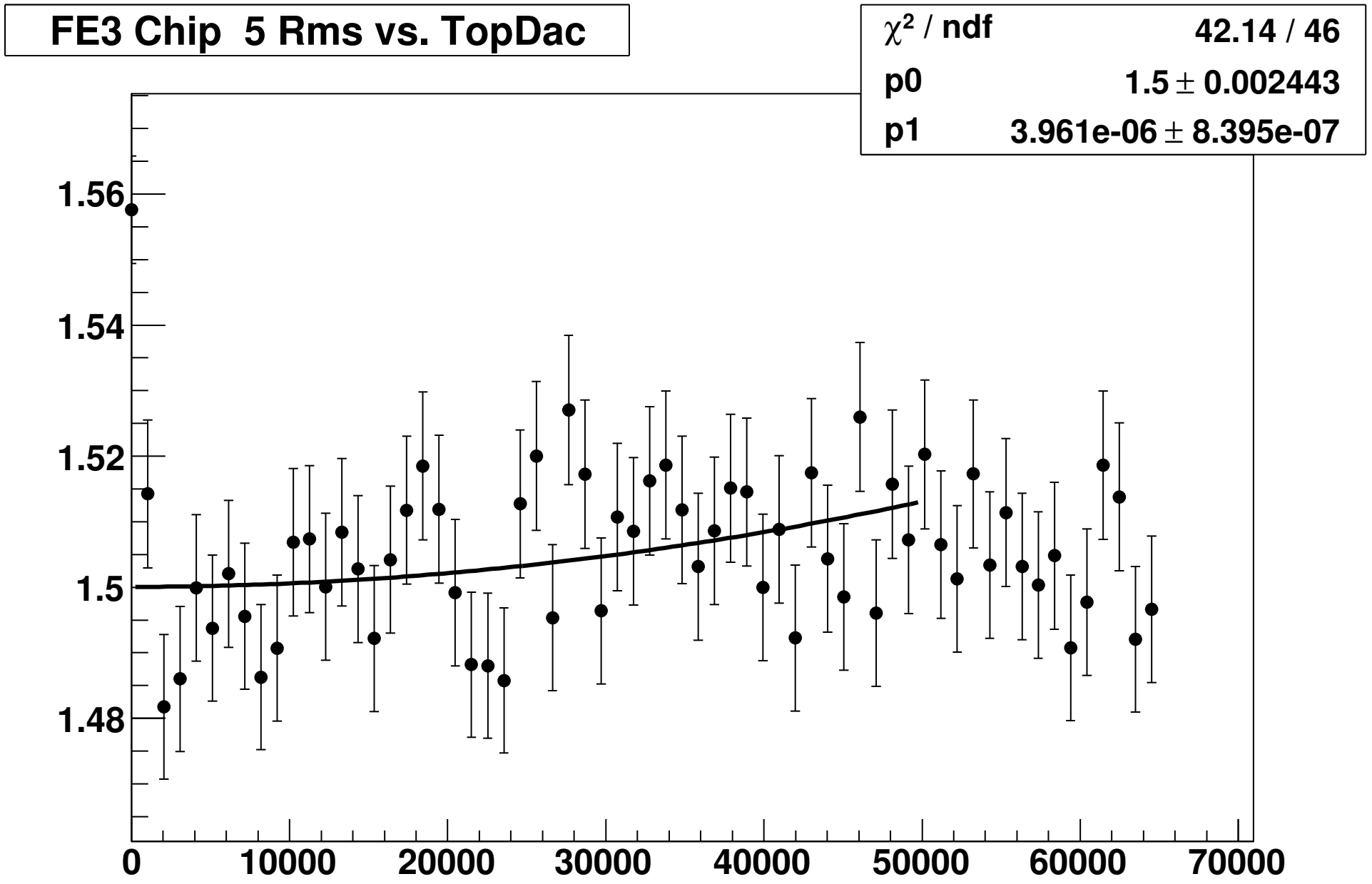
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 42.14 / 46
p0 1.5 ± 0.002443
p1 3.961e-06 ± 8.395e-07
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
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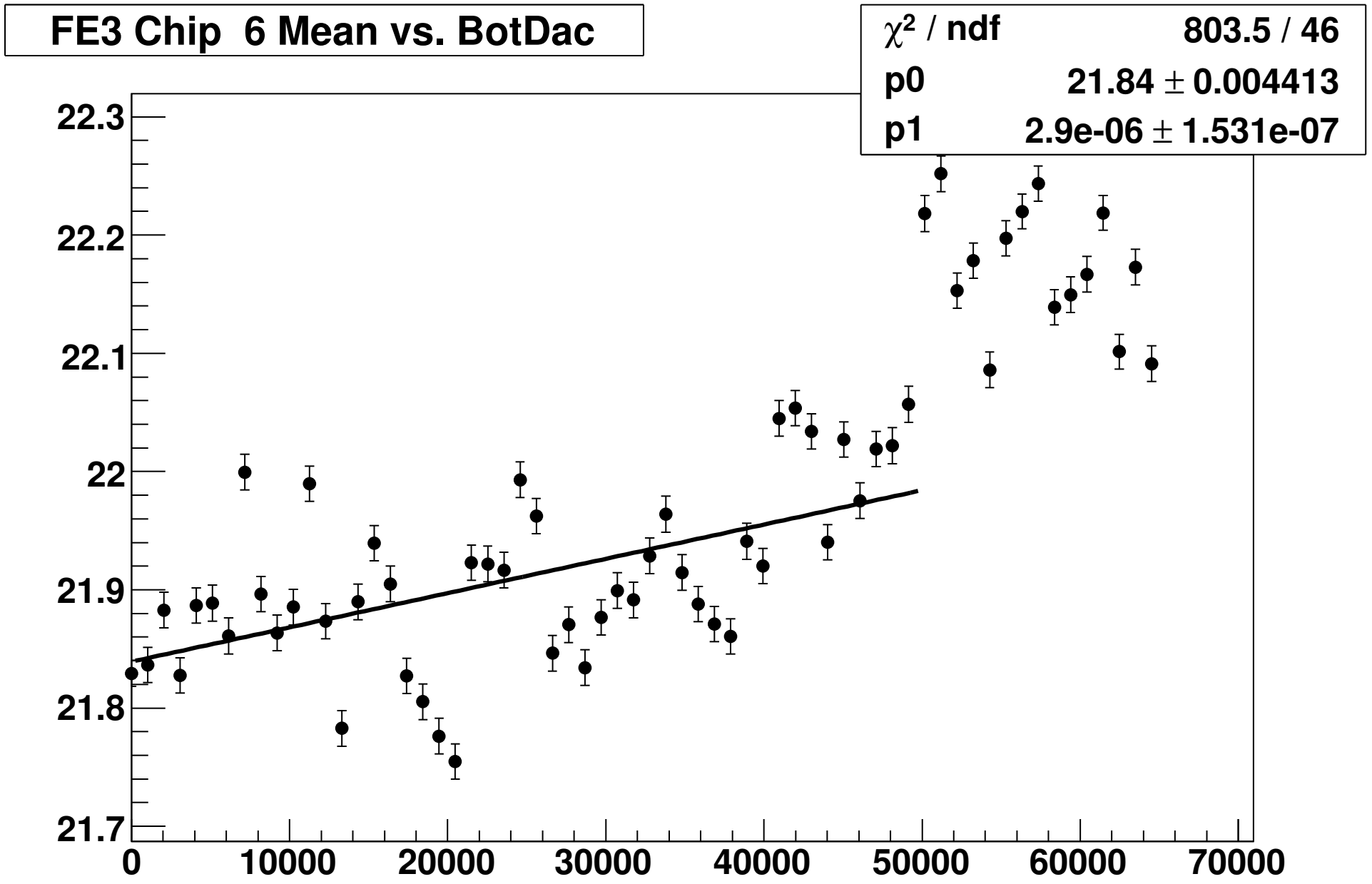
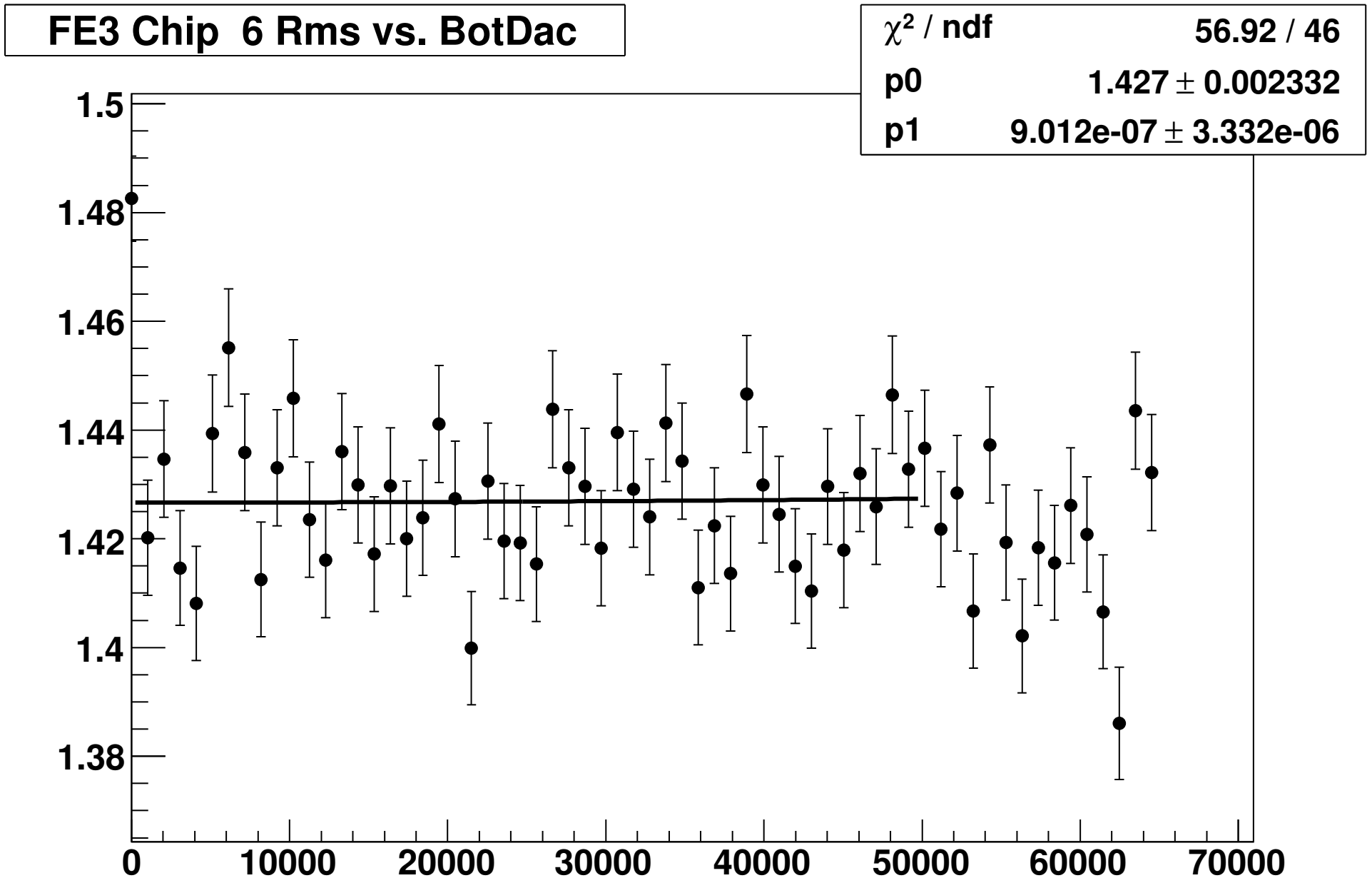
60000
70000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 803.5 / 46
p0 21.84 ± 0.004413
p1 2.9e-06 ± 1.531e-07
22.3
22.2
22.1
22
21.9
21.8
21.7
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 56.92 / 46
p0 1.427 ± 0.002332
p1 9.012e-07 ± 3.332e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
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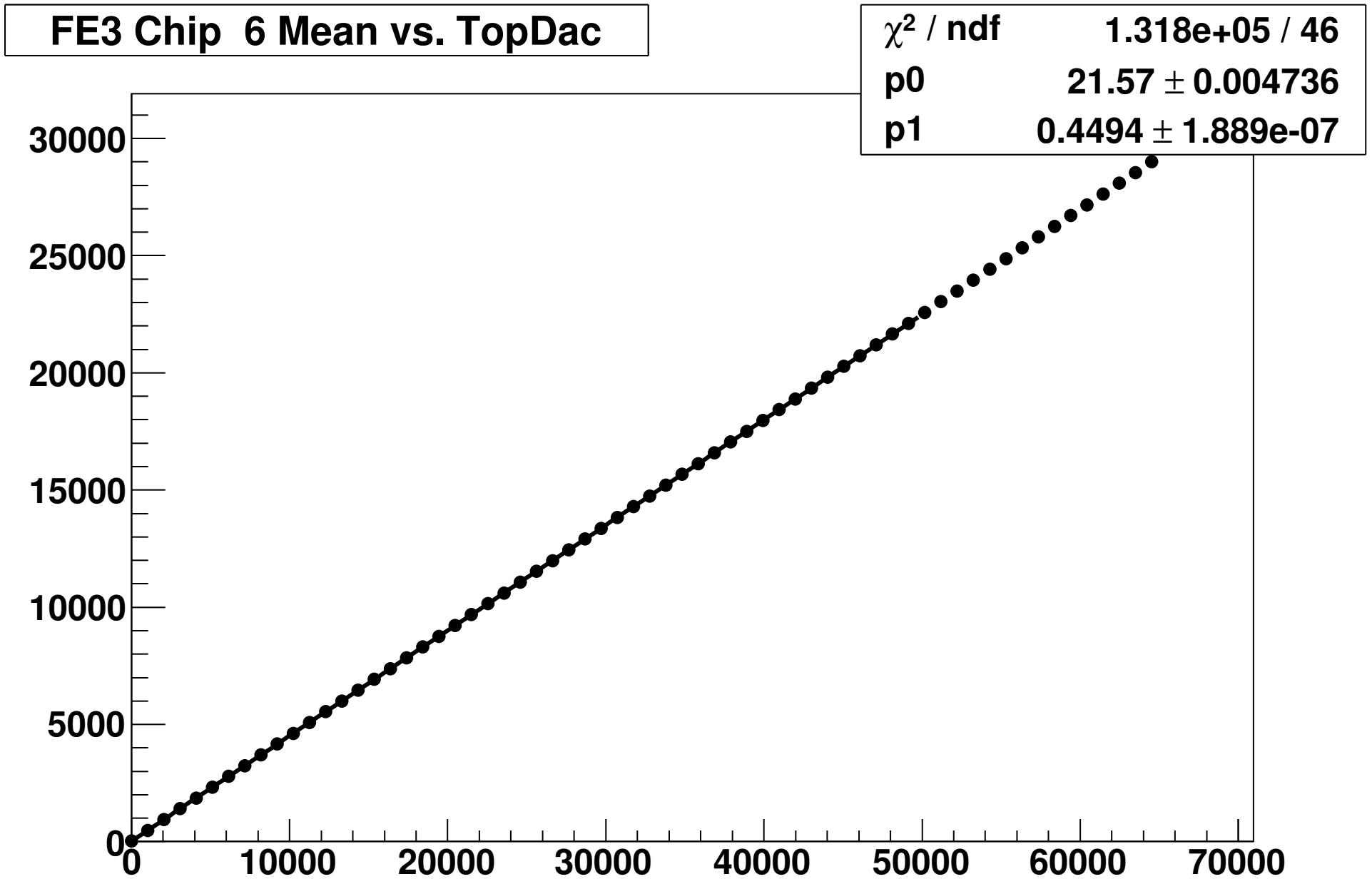
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.318e+05 / 46
p0 21.57 ± 0.004736
p1 0.4494 ± 1.889e-07
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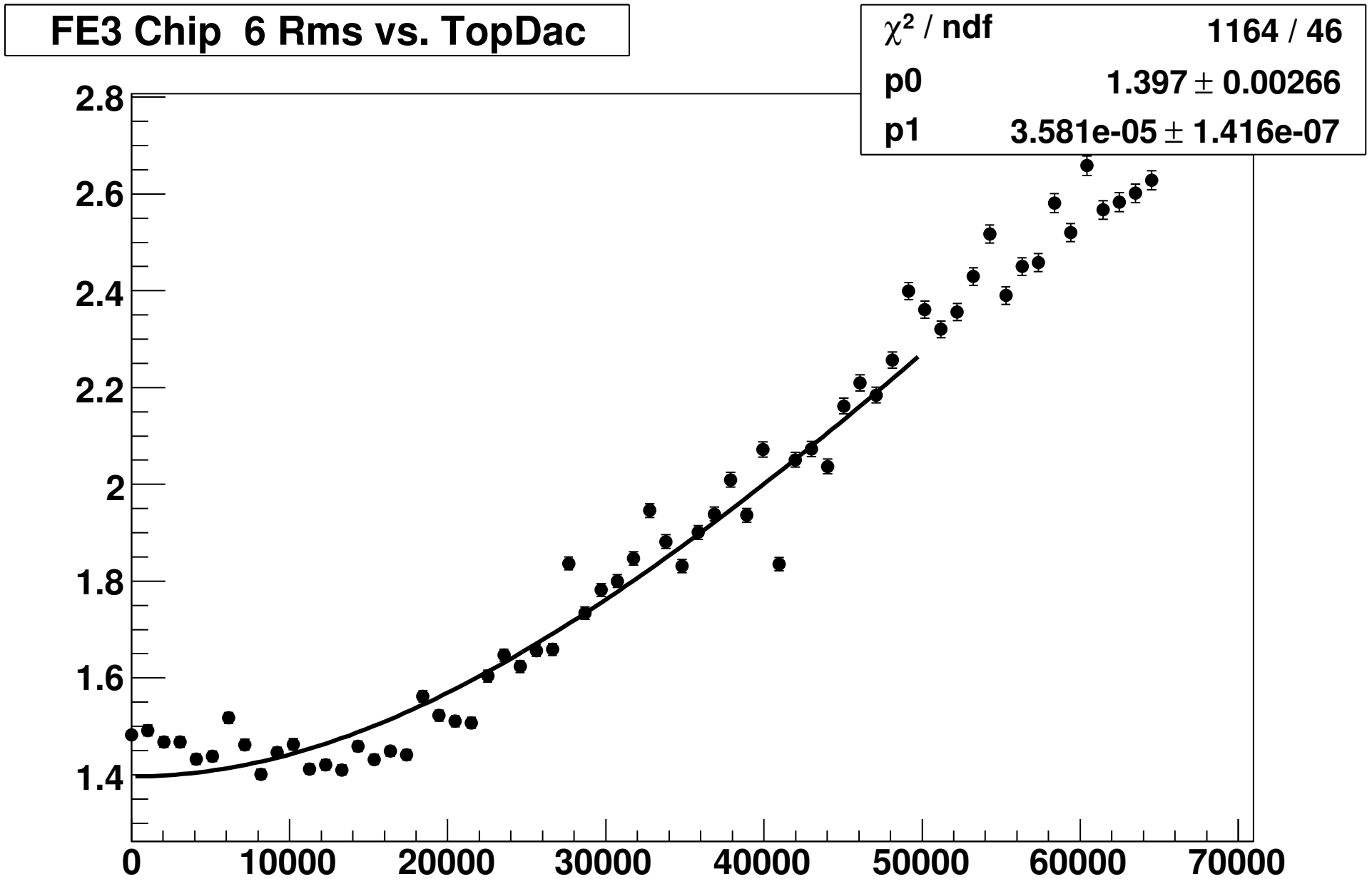
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1164 / 46
p0 1.397 ± 0.00266
p1 3.581e-05 ± 1.416e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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60000
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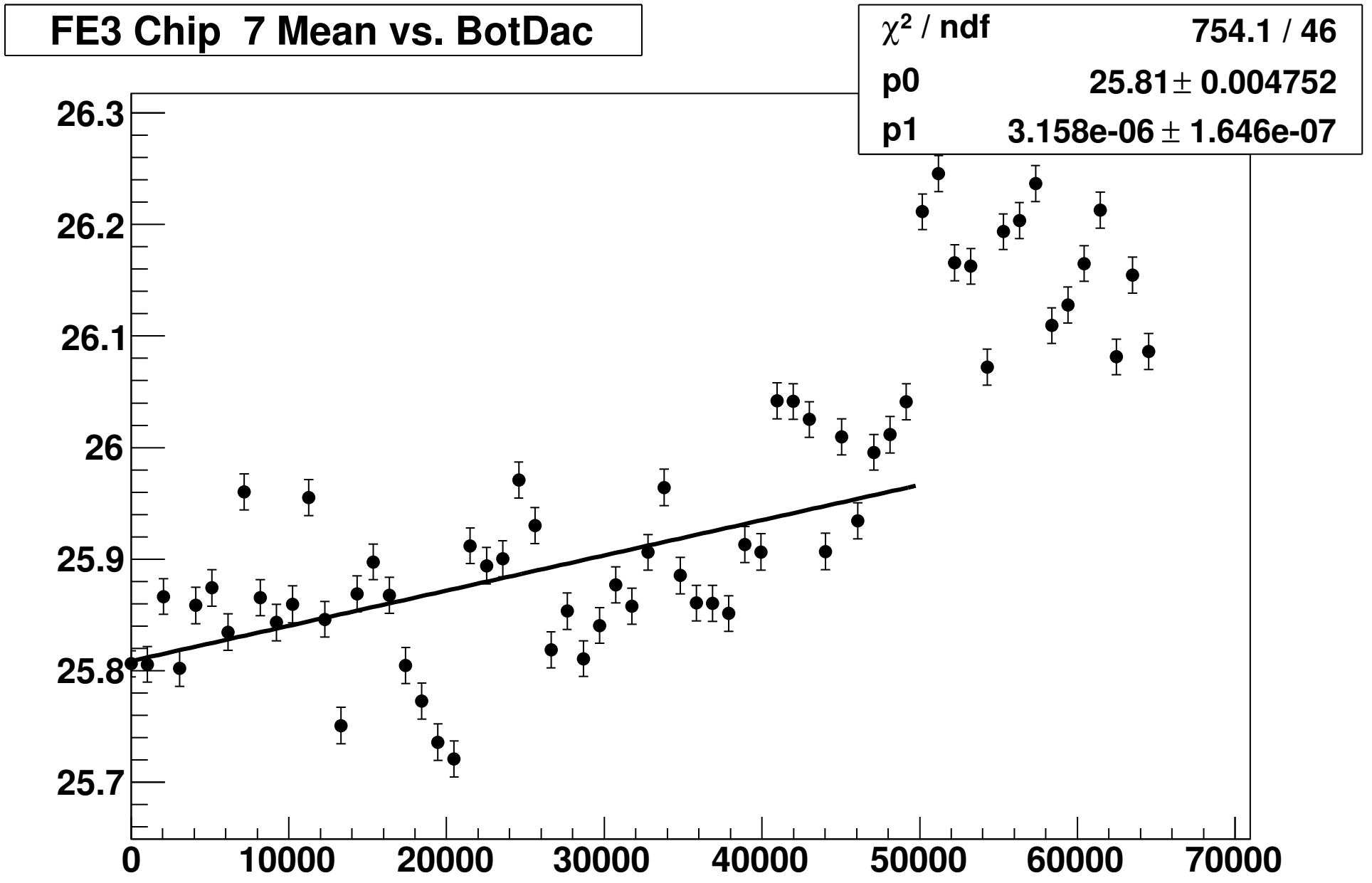
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 754.1 / 46
p0 25.81 ± 0.004752
p1 3.158e-06 ± 1.646e-07
26.3
26.2
26.1
26
25.9
25.8
25.7
0
10000
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30000
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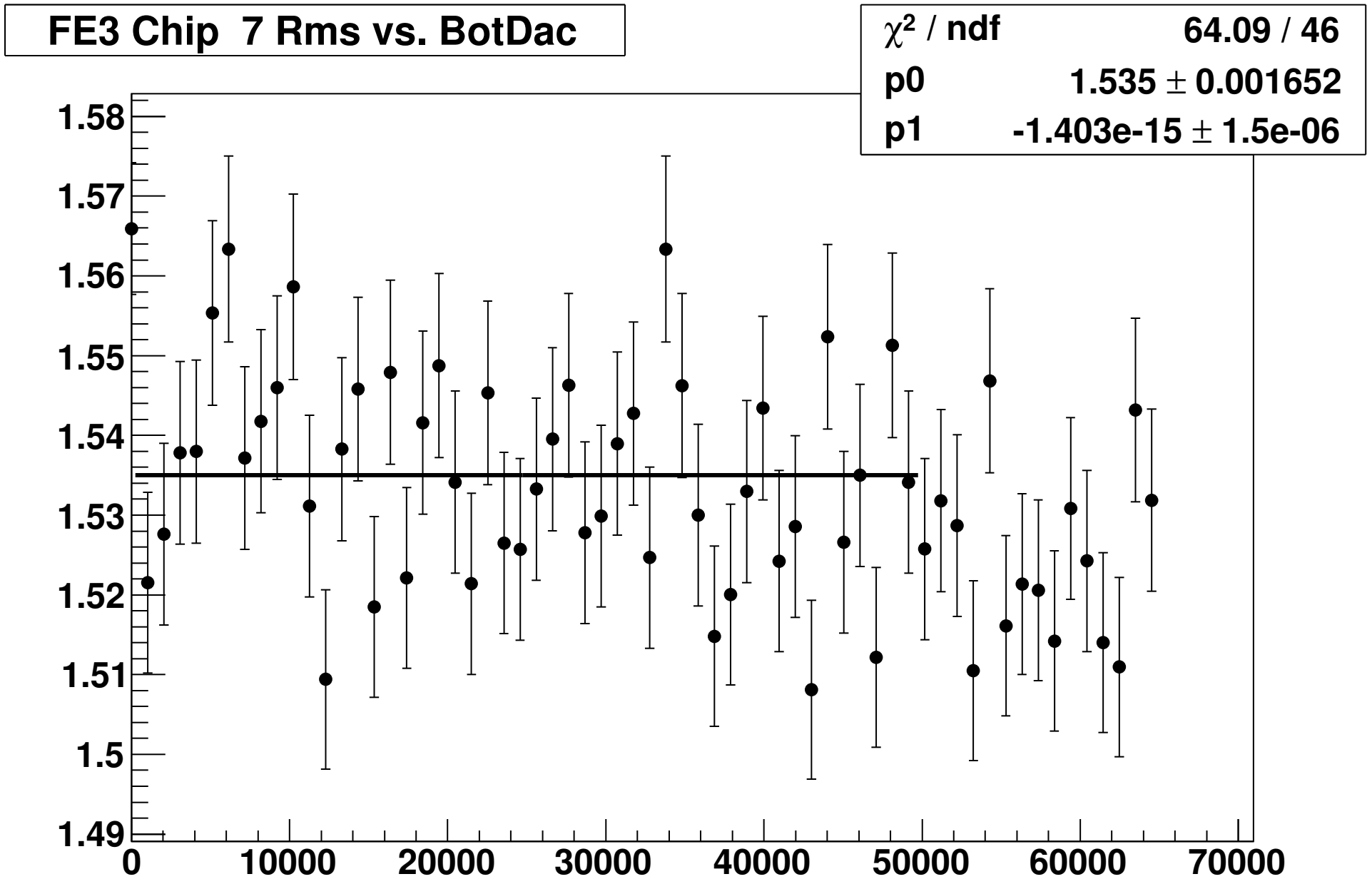
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 64.09 / 46
p0 1.535 ± 0.001652
p1 -1.403e-15 ± 1.5e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
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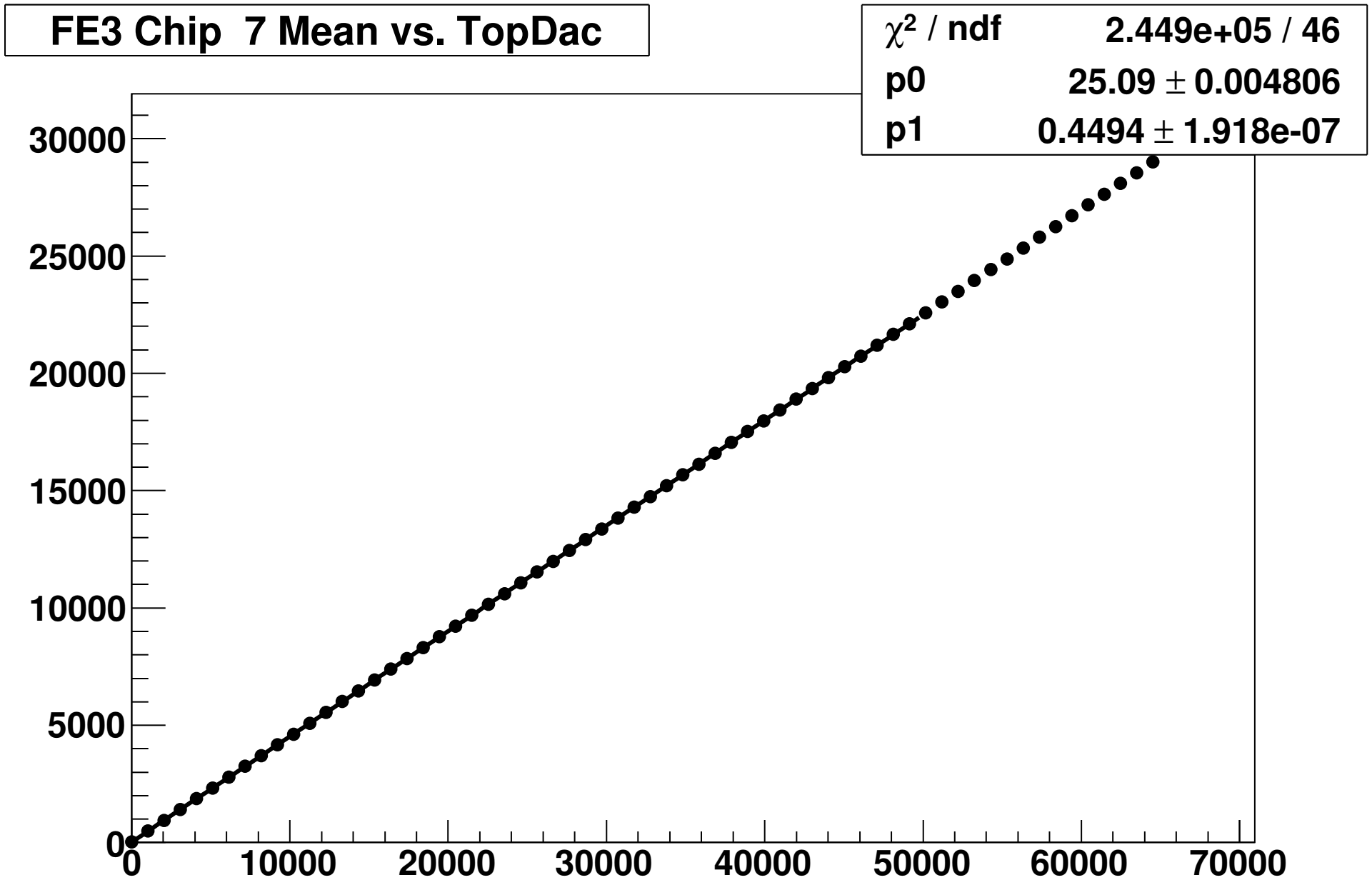
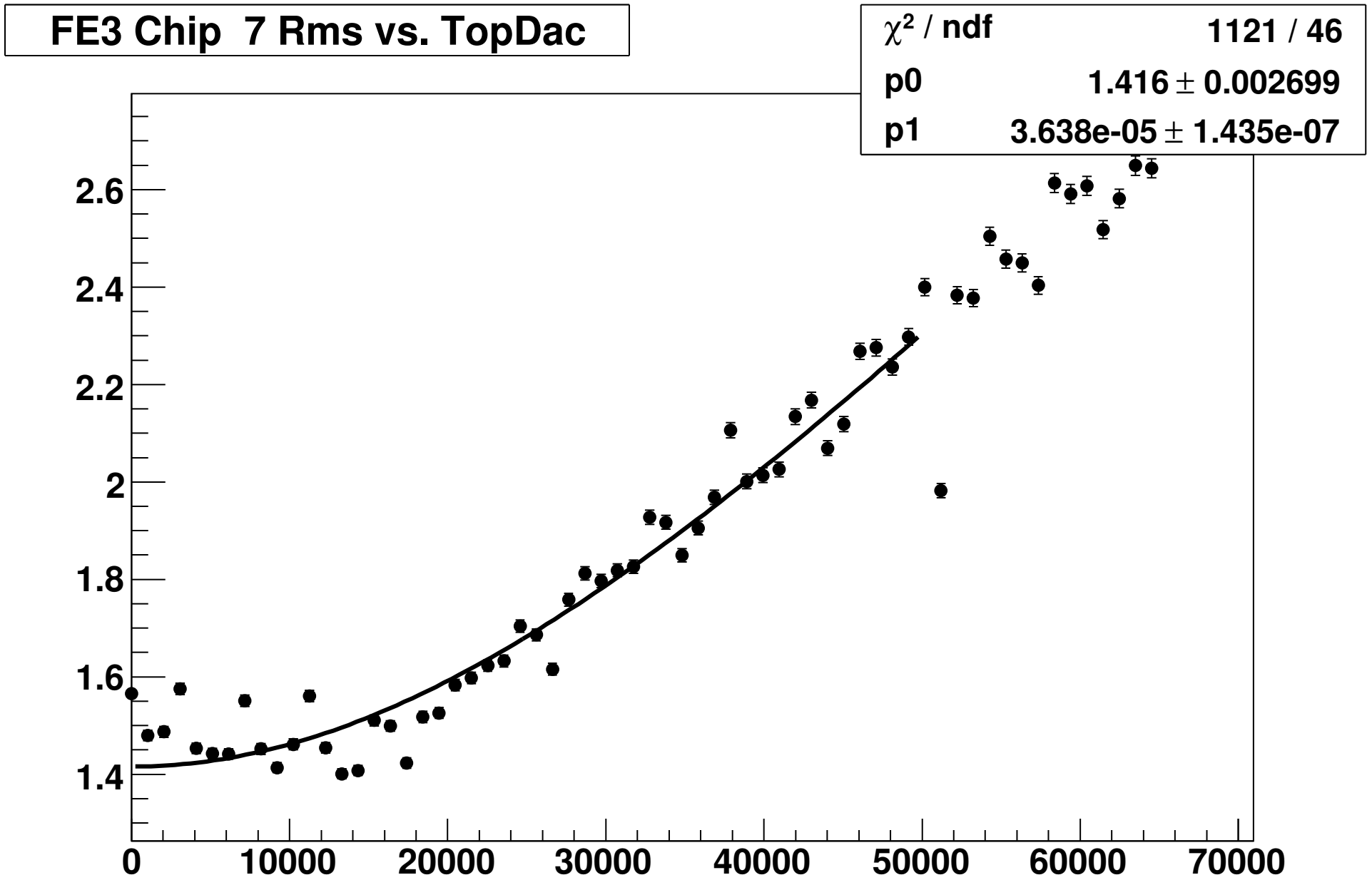
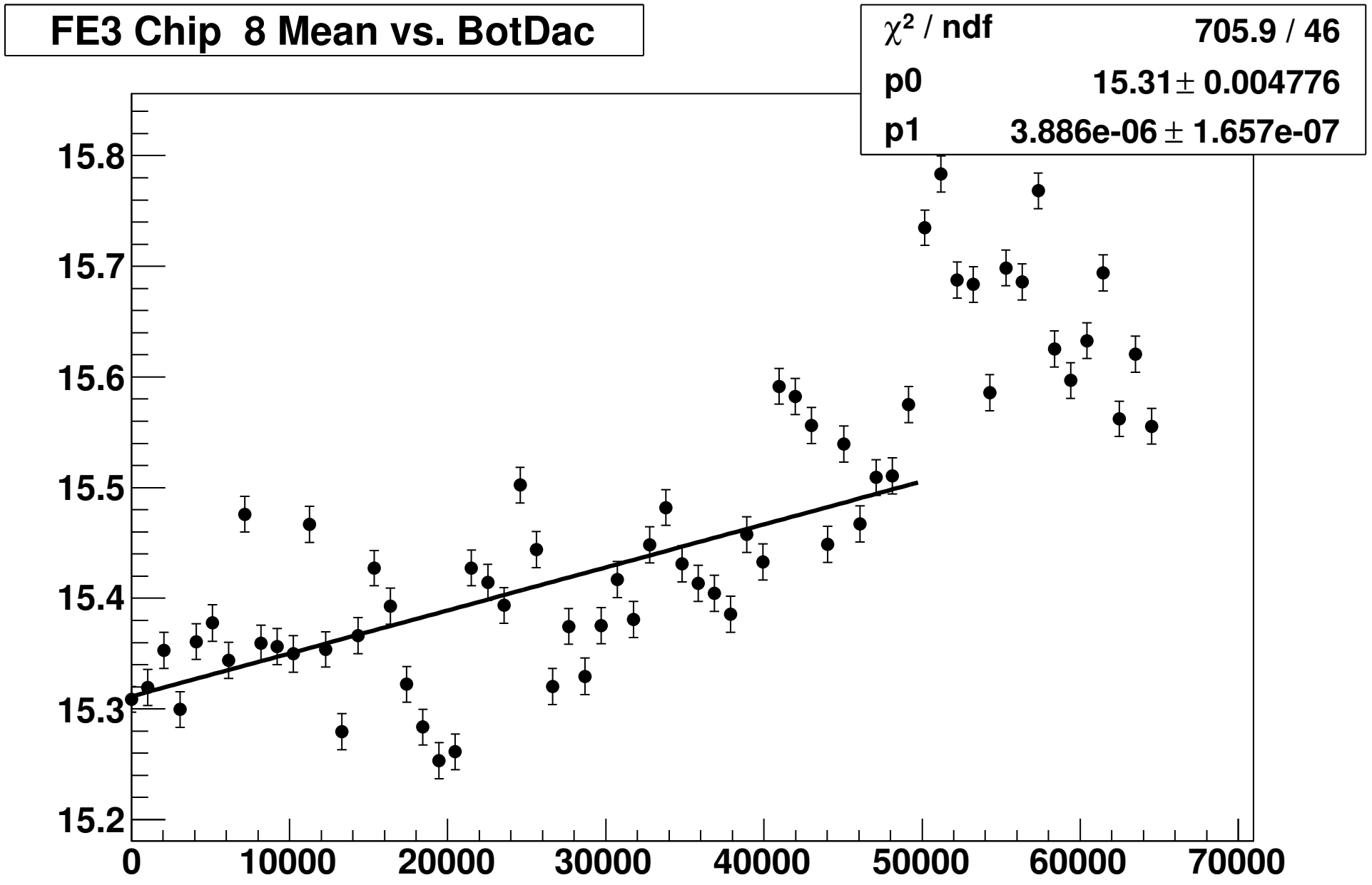
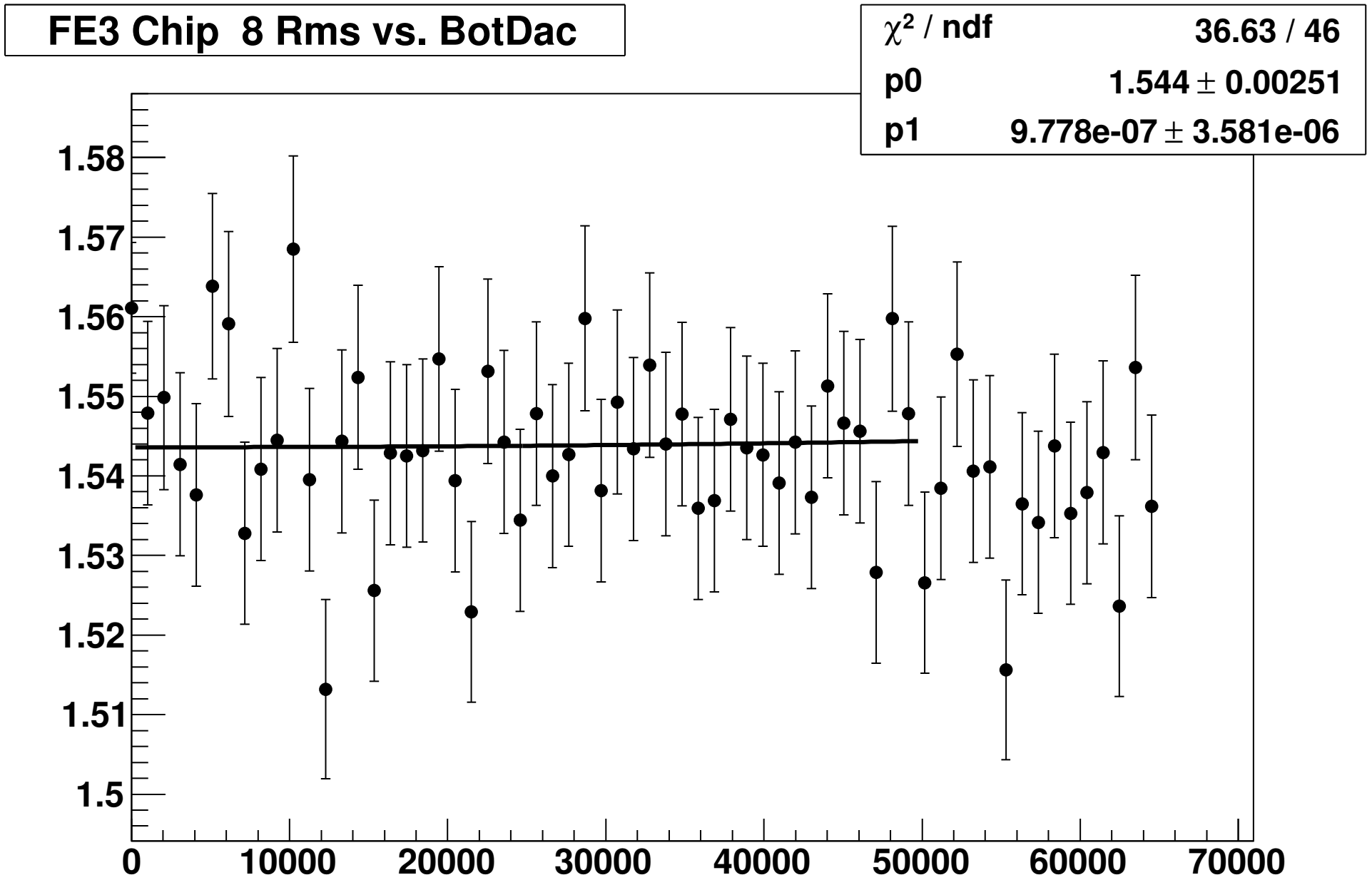

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 2.449e+05 / 46
p0 25.09 ± 0.004806
p1 0.4494 ± 1.918e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1121 / 46
p0 1.416 ± 0.002699
p1 3.638e-05 ± 1.435e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 705.9 / 46
p0 15.31 ± 0.004776
p1 3.886e-06 ± 1.657e-07
15.8
15.7
15.6
15.5
15.4
15.3
15.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 36.63 / 46
p0 1.544 ± 0.00251
p1 9.778e-07 ± 3.581e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
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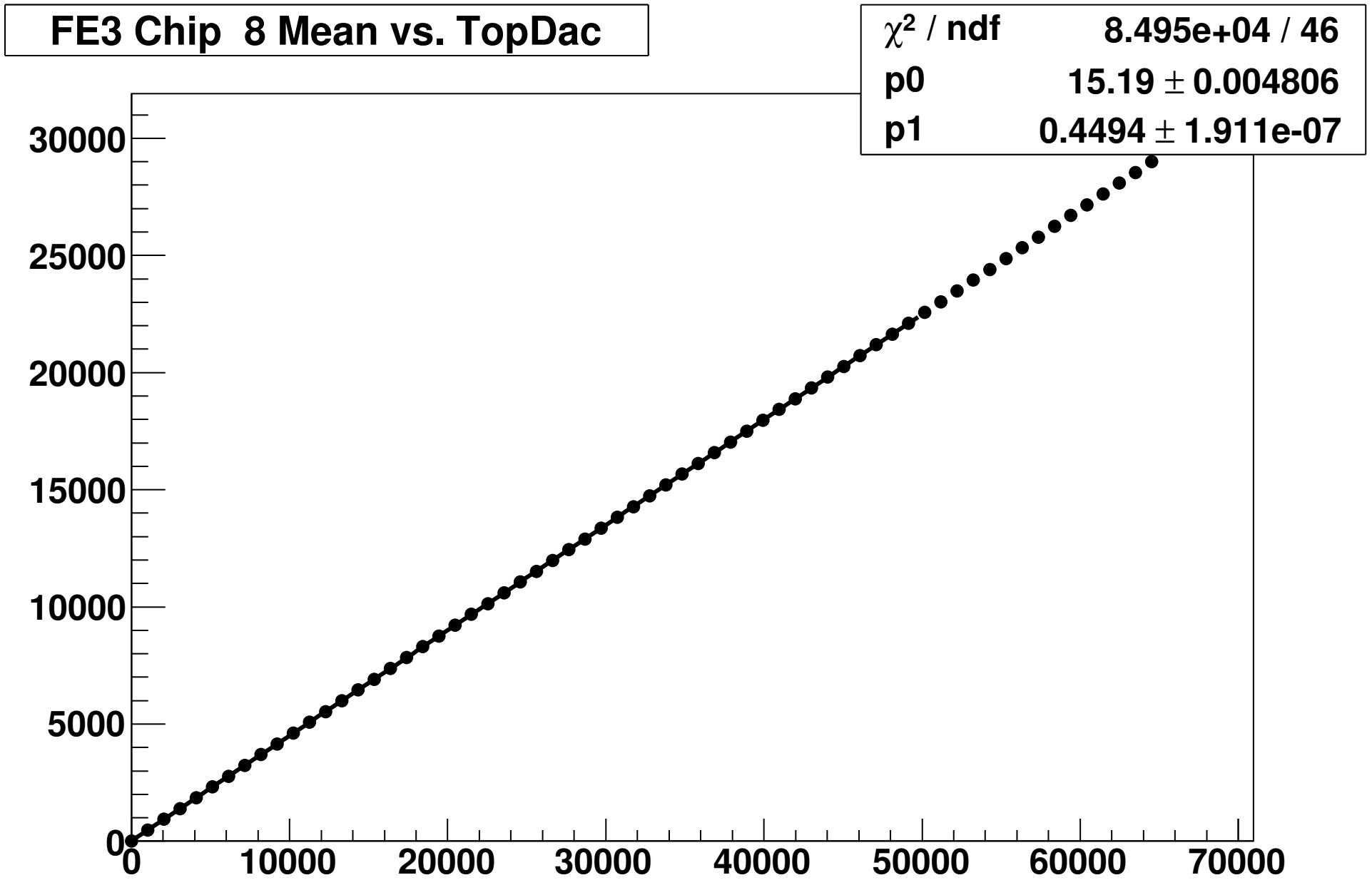
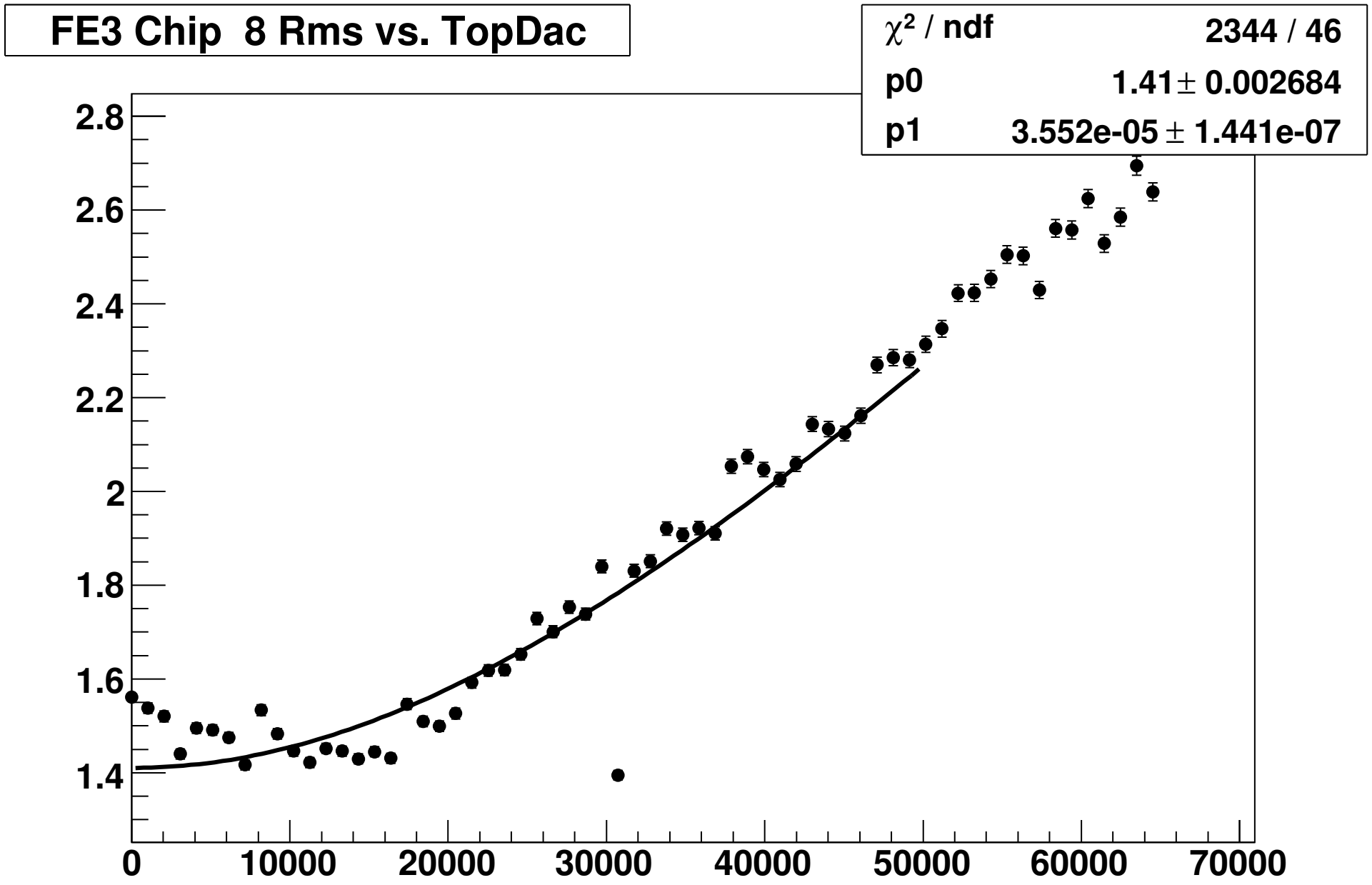
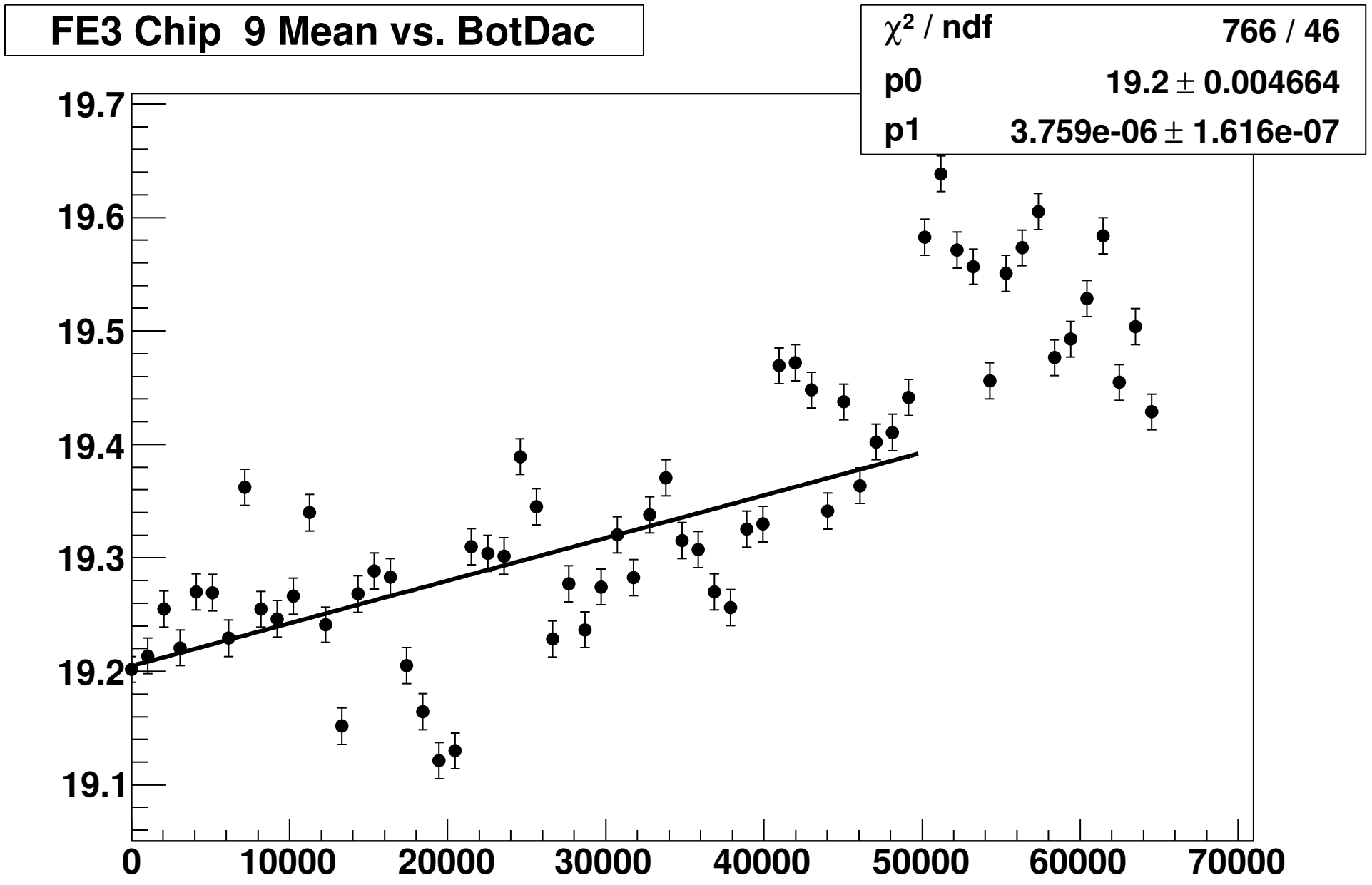
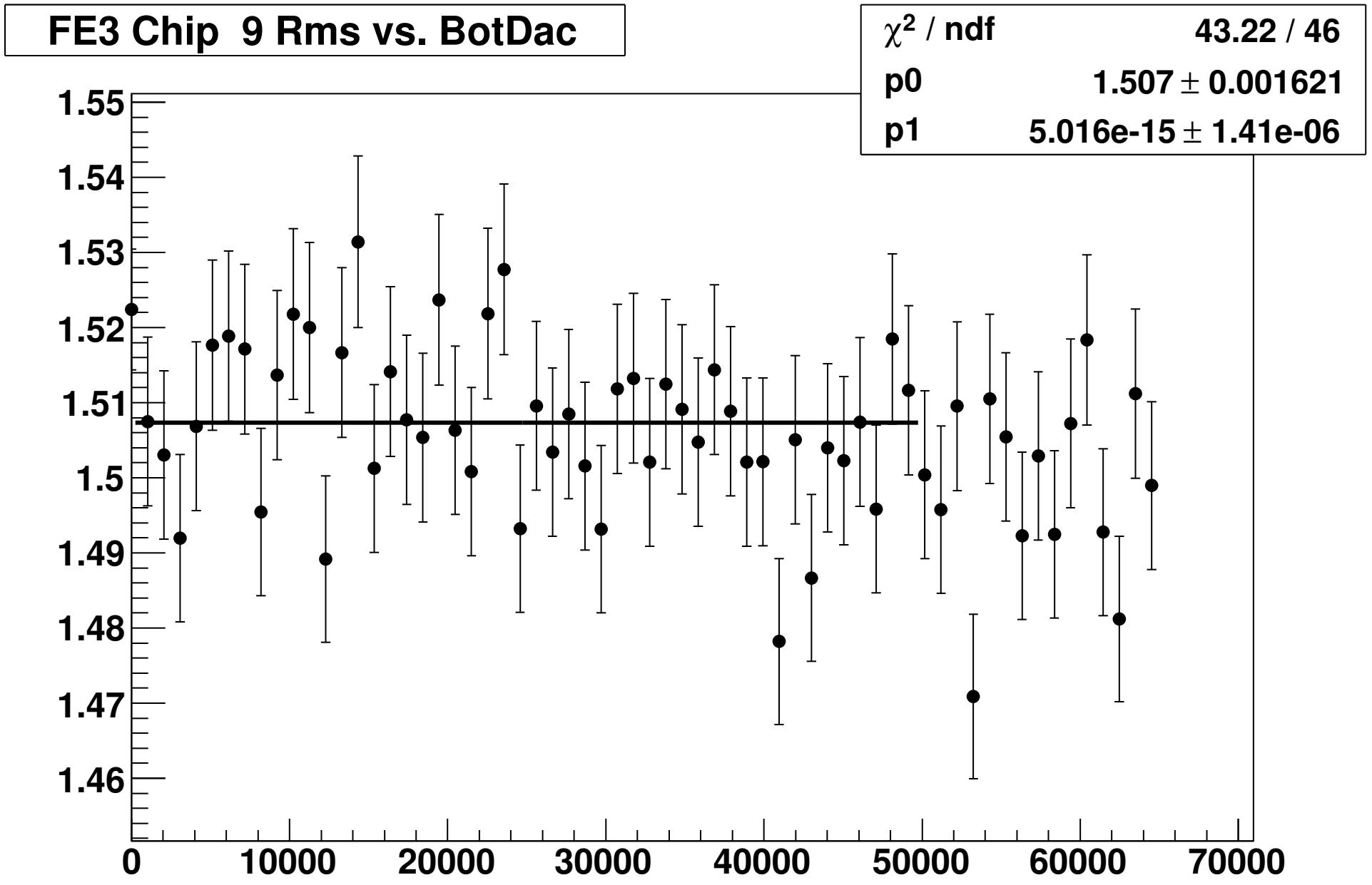
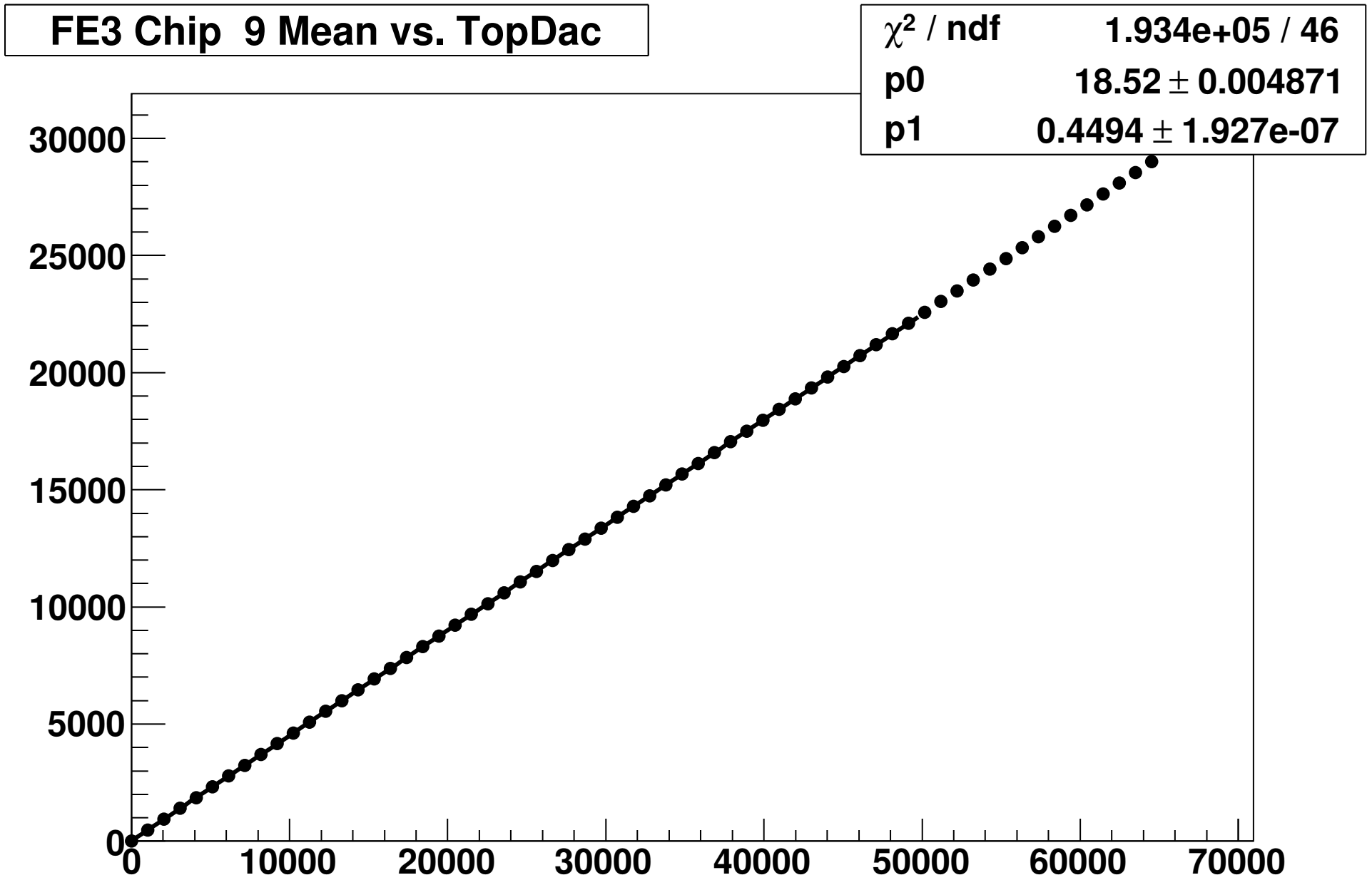
50000
60000
70000

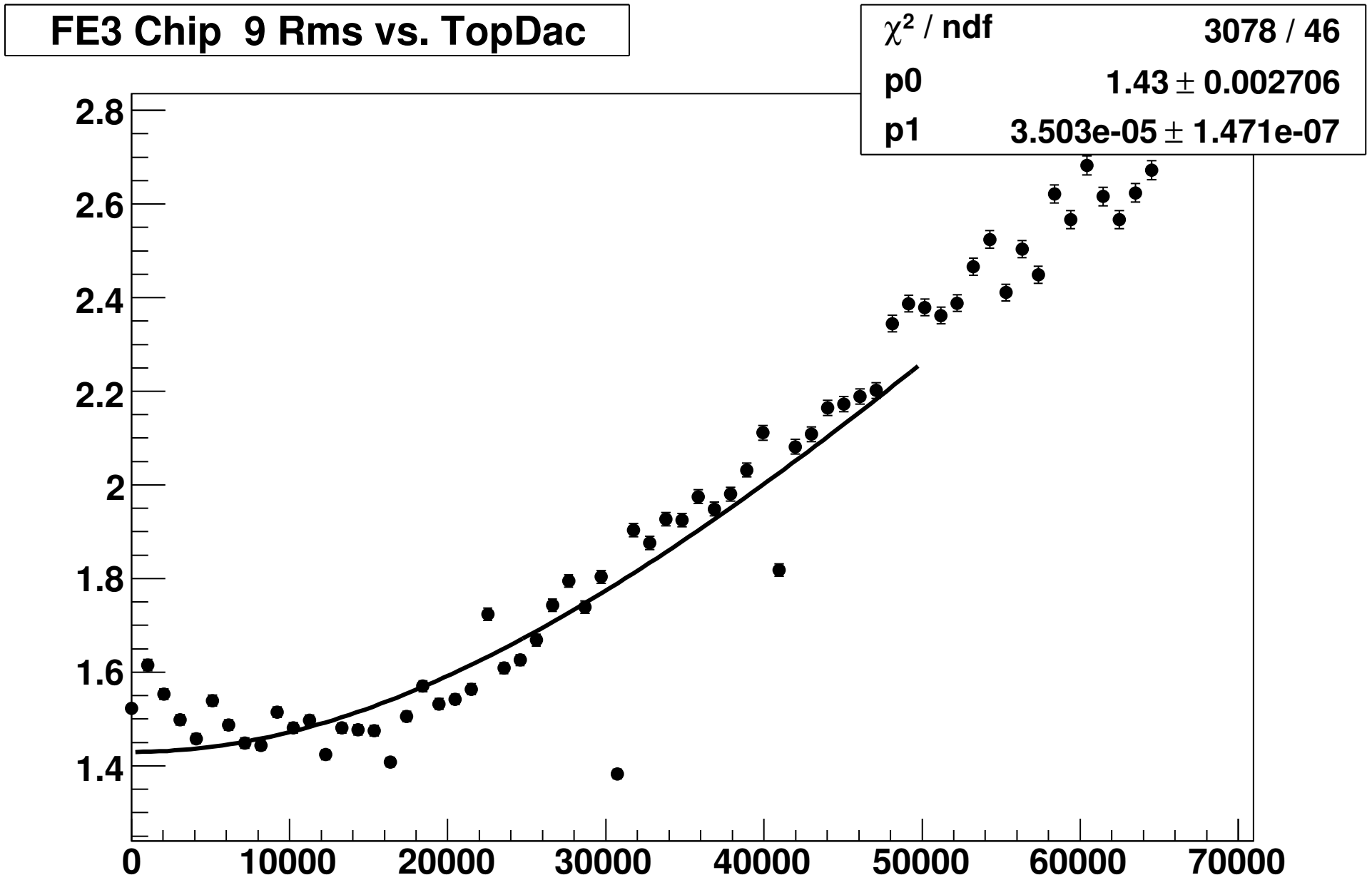

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 8.495e+04 / 46
p0 15.19 ± 0.004806
p1 0.4494 ± 1.911e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

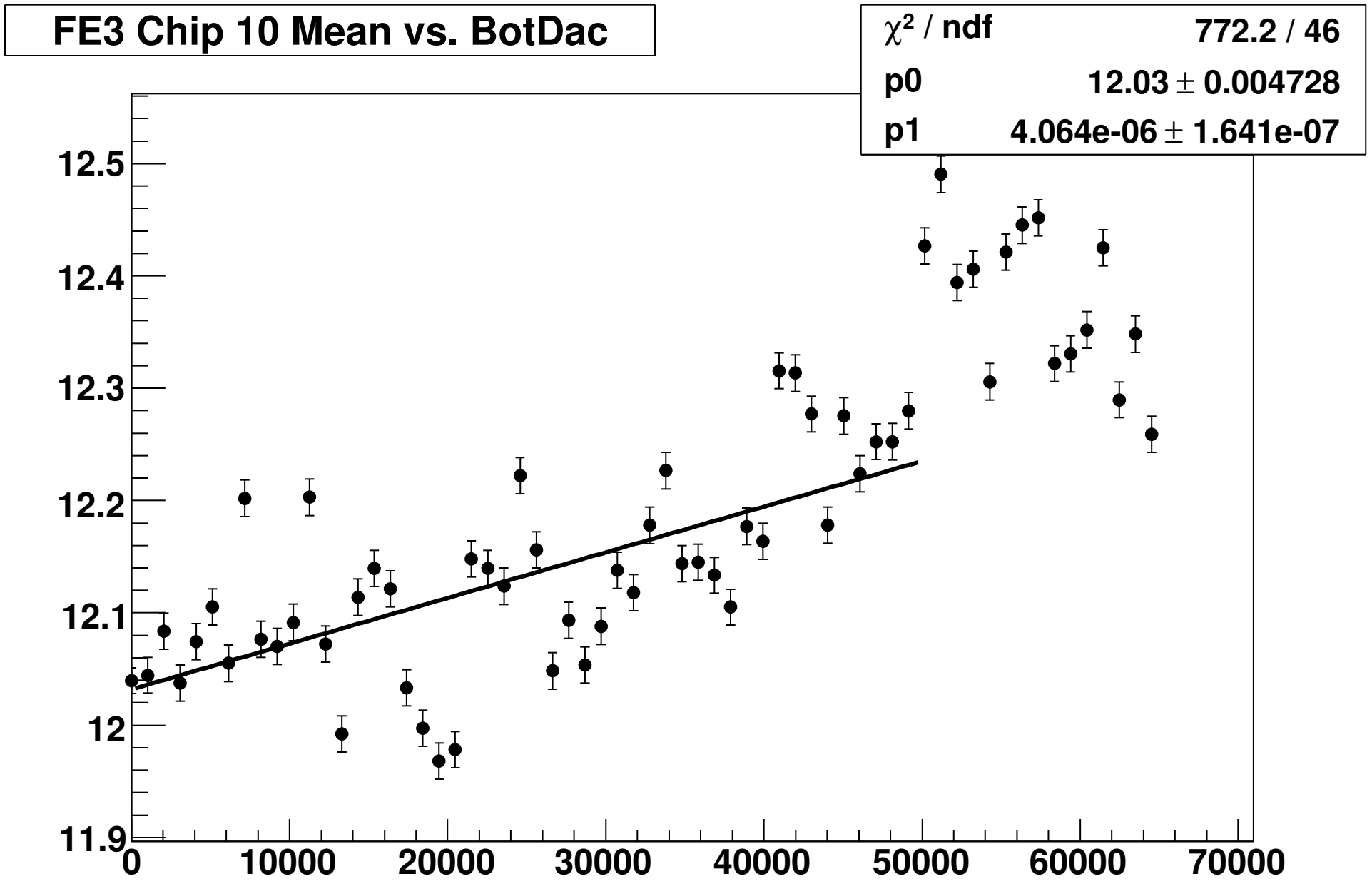

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 2344 / 46
p0 1.41 ± 0.002684
p1 3.552e-05 ± 1.441e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

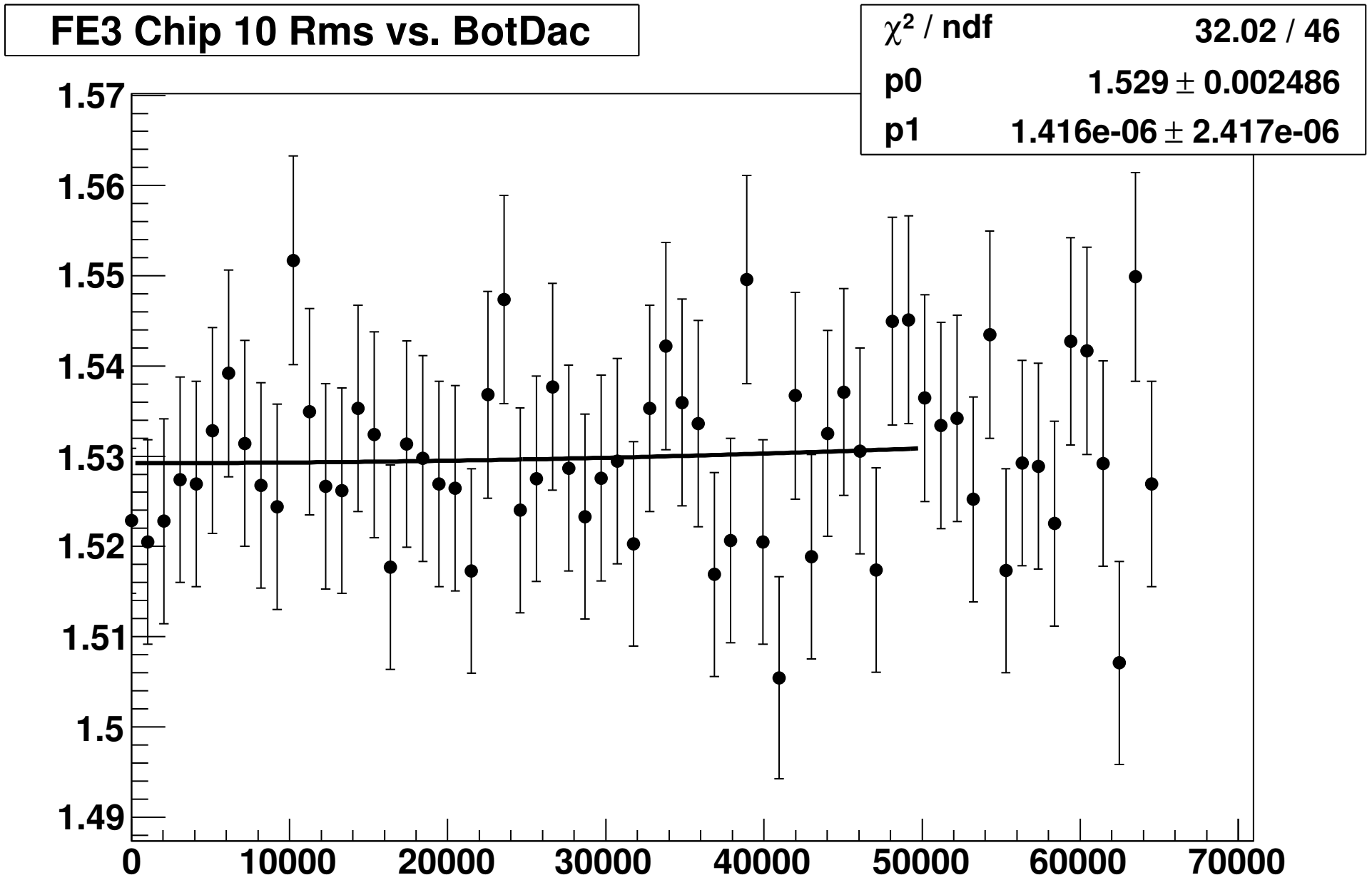

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 766 / 46
p0 19.2 ± 0.004664
p1 3.759e-06 ± 1.616e-07
19.7
19.6
19.5
19.4
19.3
19.2
19.1
0
10000
20000
30000
40000
50000
60000
70000

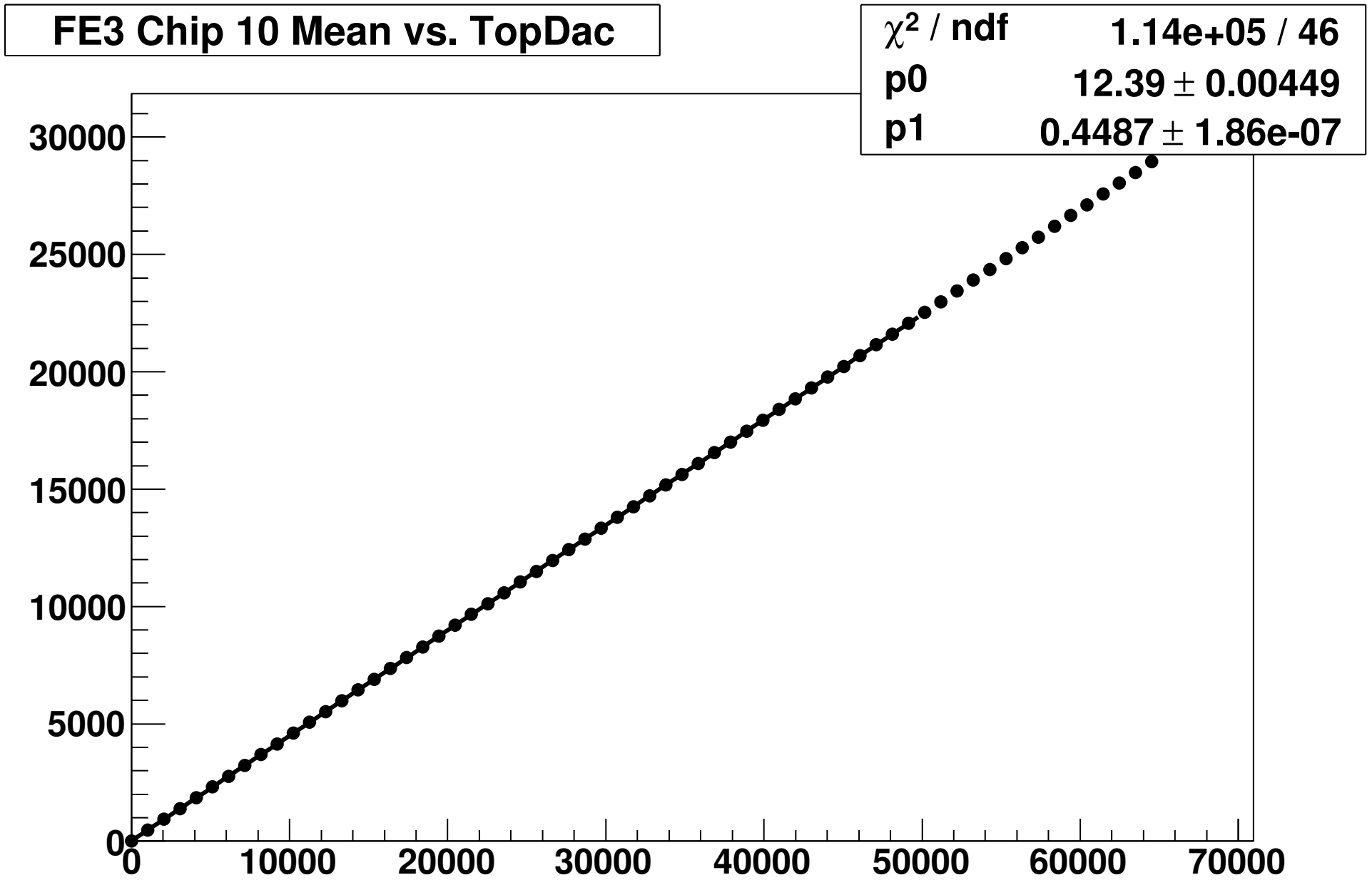

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 43.22 / 46
p0 1.507 ± 0.001621
p1 5.016e-15 ± 1.41e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

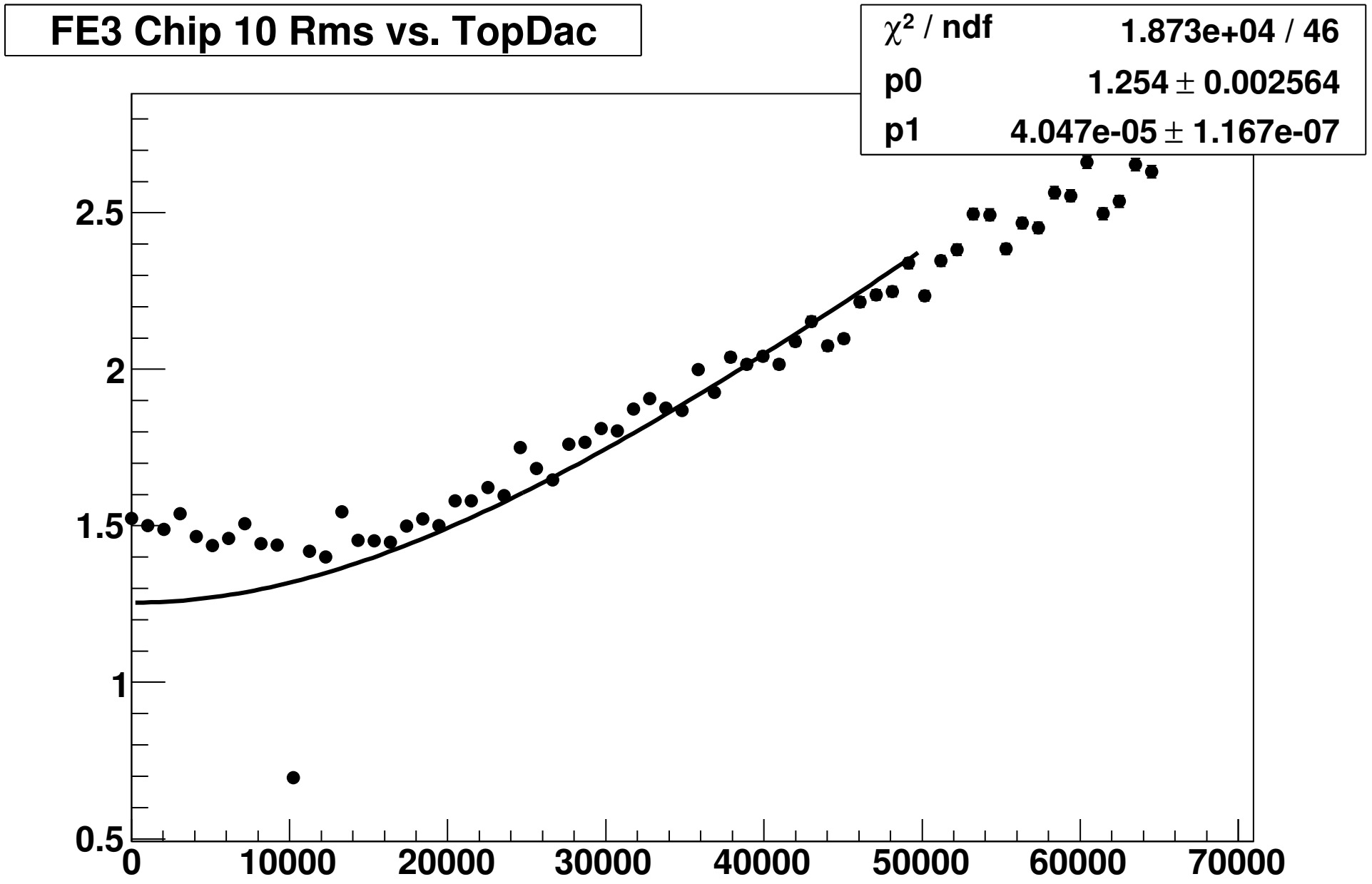

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 1.934e+05 / 46
p0 18.52 ± 0.004871
p1 0.4494 ± 1.927e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

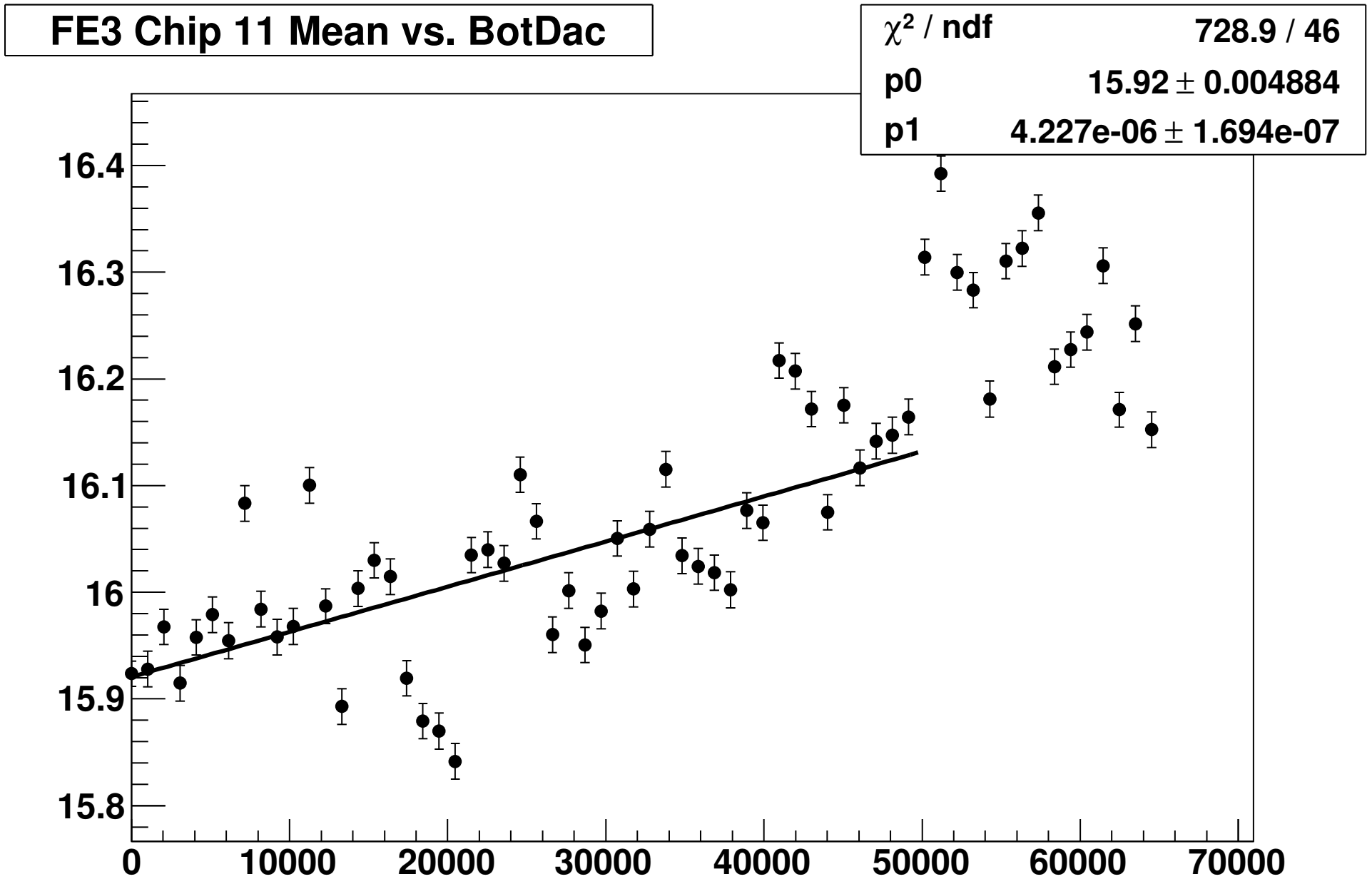

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 3078 / 46
p0 1.43 ± 0.002706
p1 3.503e-05 ± 1.471e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

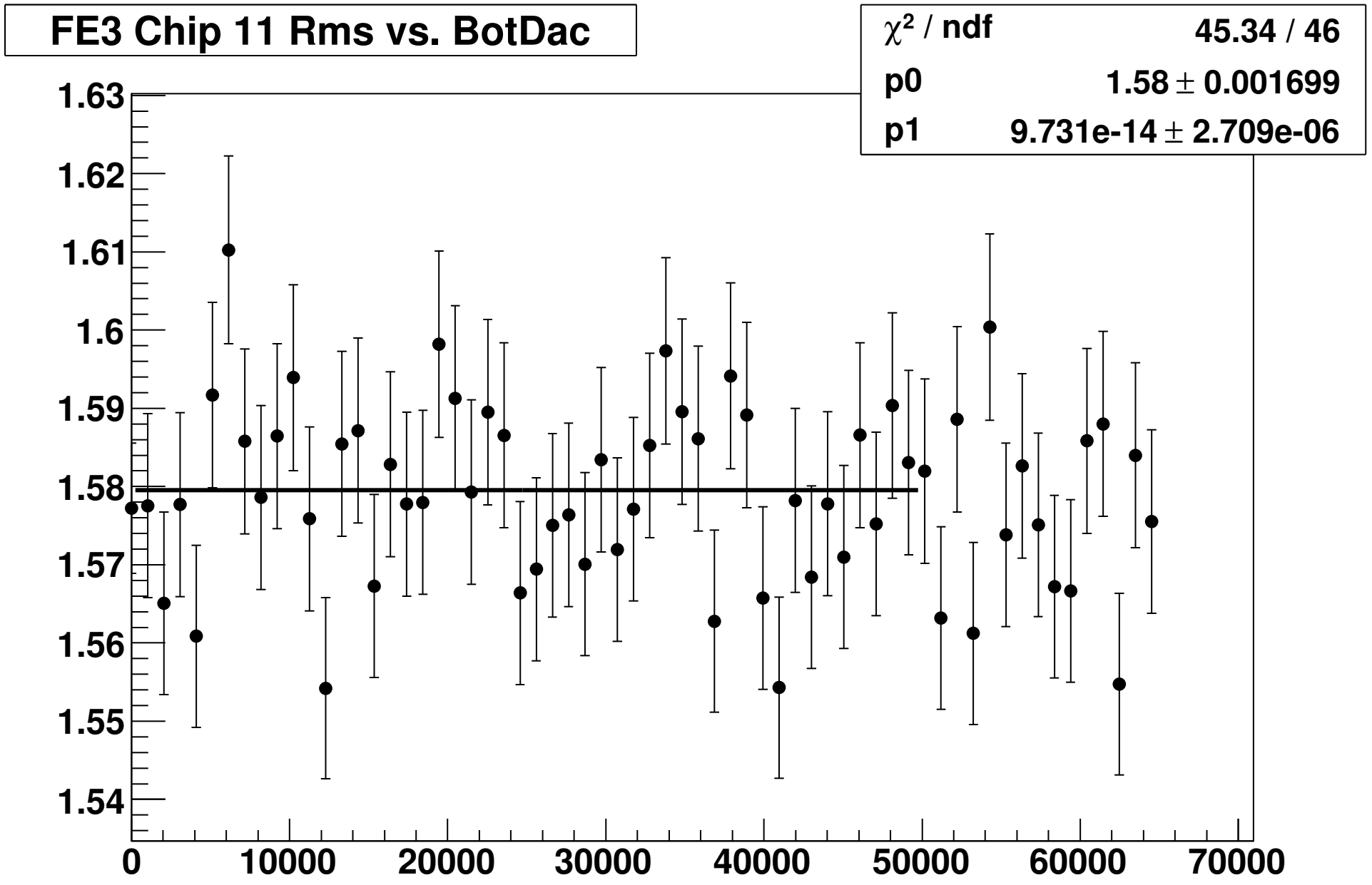

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 772.2 / 46
p0 12.03 ± 0.004728
p1 4.064e-06 ± 1.641e-07
12.5
12.4
12.3
12.2
12.1
12
11.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 32.02 / 46
p0 1.529 ± 0.002486
p1 1.416e-06 ± 2.417e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.14e+05 / 46
p0 12.39 ± 0.00449
p1 0.4487 ± 1.86e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1.873e+04 / 46
p0 1.254 ± 0.002564
p1 4.047e-05 ± 1.167e-07
2.5
2
1.5
1
0.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 728.9 / 46
p0 15.92 ± 0.004884
p1 4.227e-06 ± 1.694e-07
16.4
16.3
16.2
16.1
16
15.9
15.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 45.34 / 46
p0 1.58 ± 0.001699
p1 9.731e-14 ± 2.709e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
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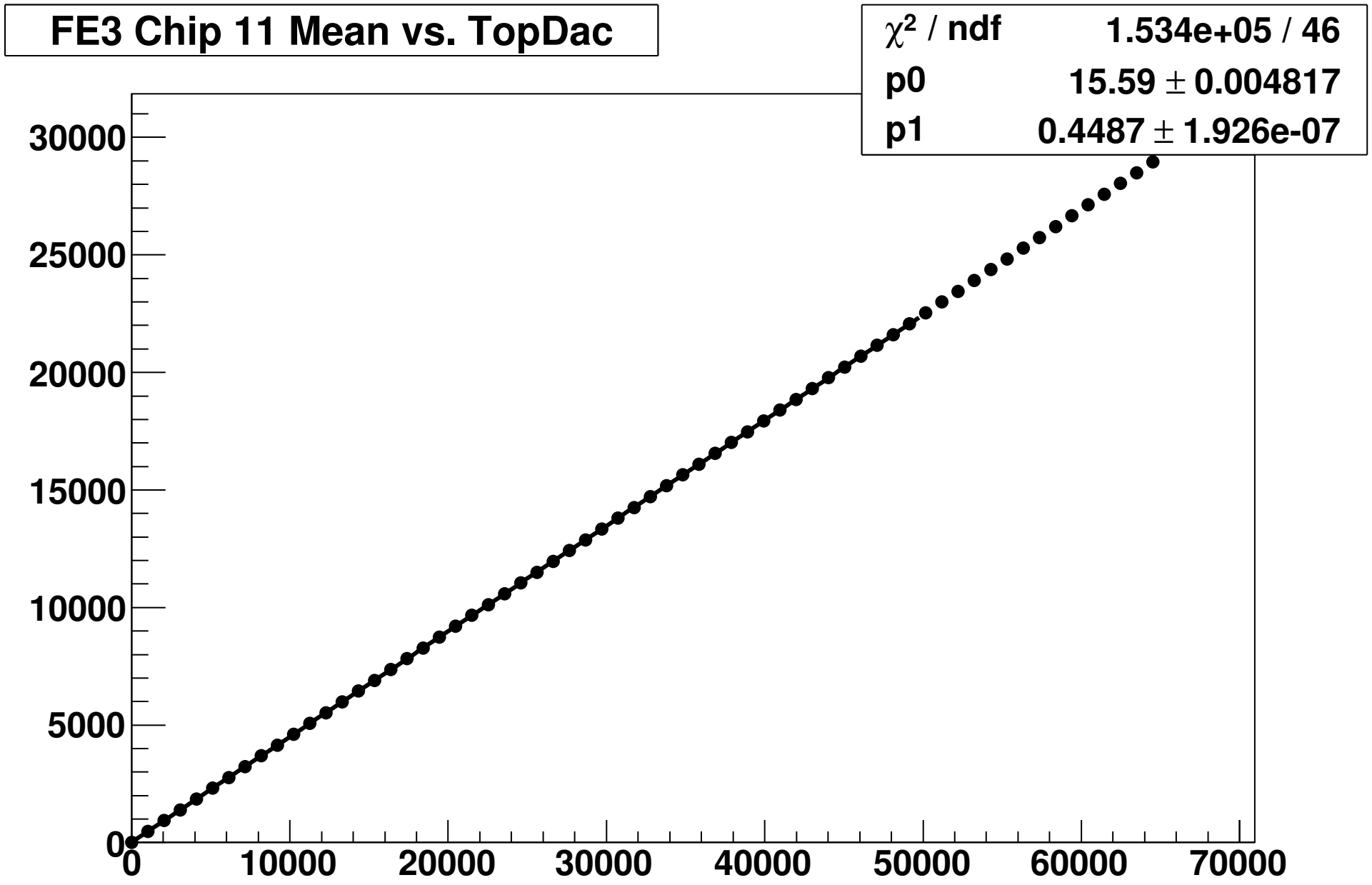
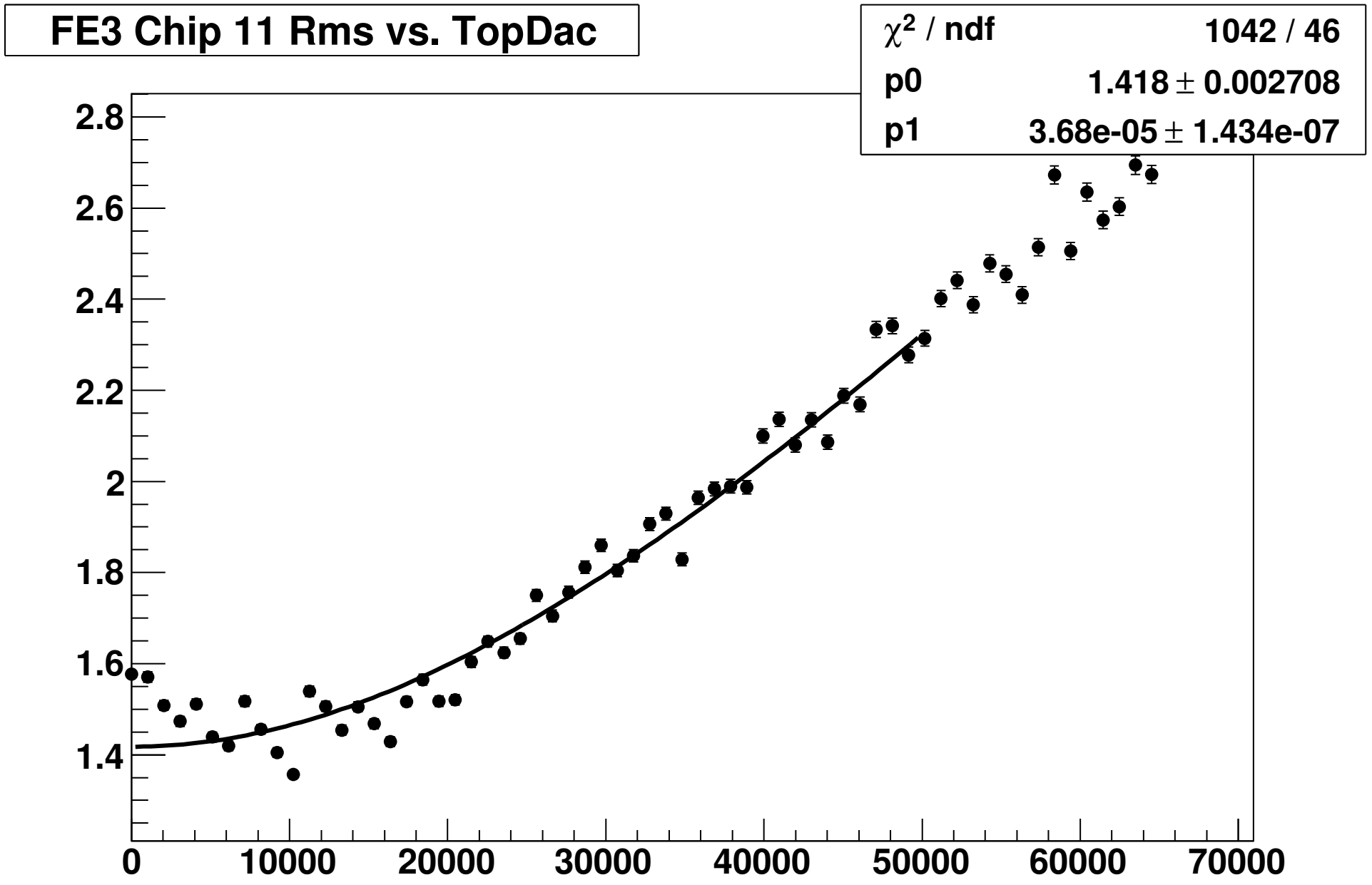

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.534e+05 / 46
p0 15.59 ± 0.004817
p1 0.4487 ± 1.926e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1042 / 46
p0 1.418 ± 0.002708
p1 3.68e-05 ± 1.434e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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60000
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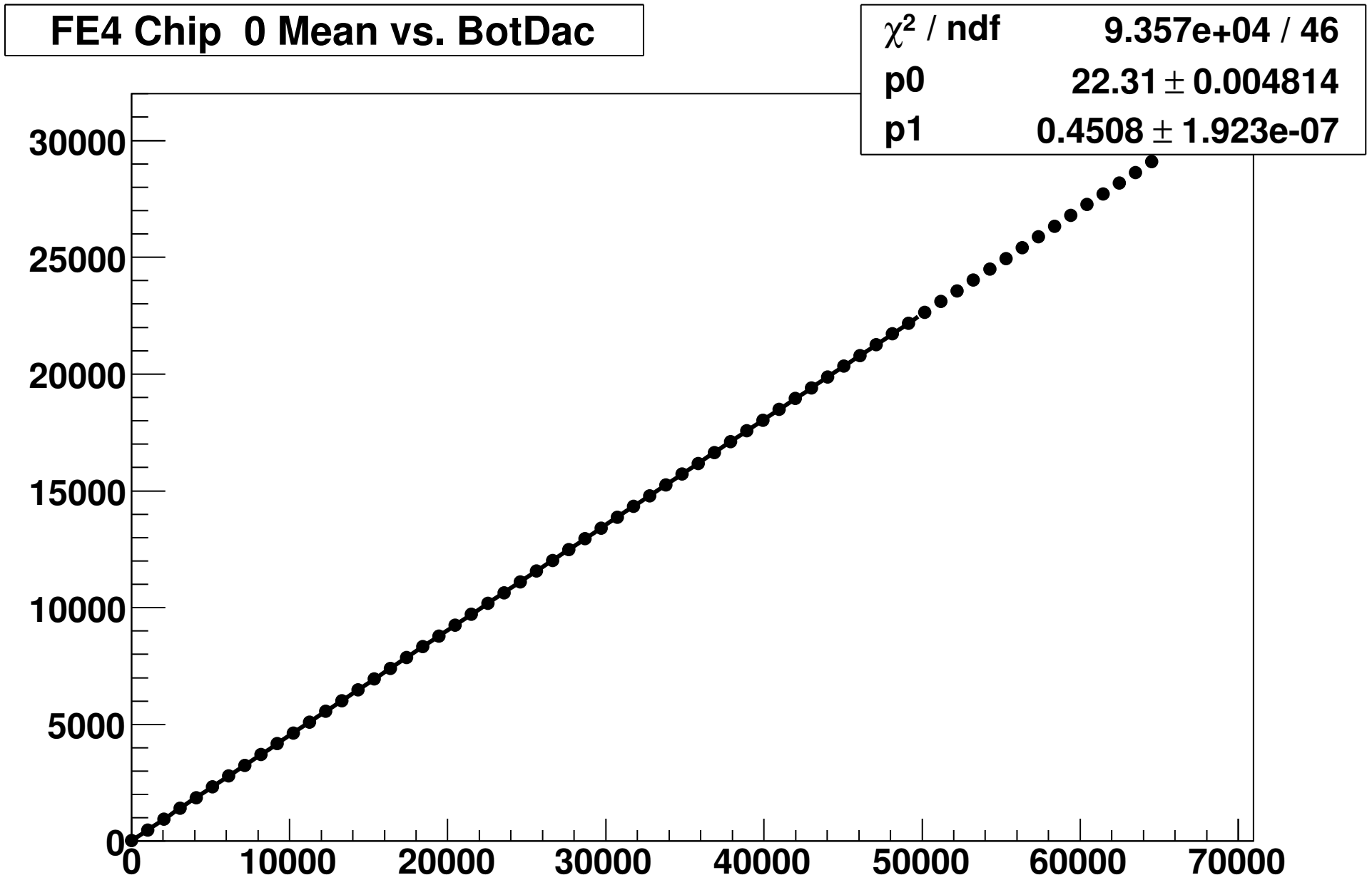
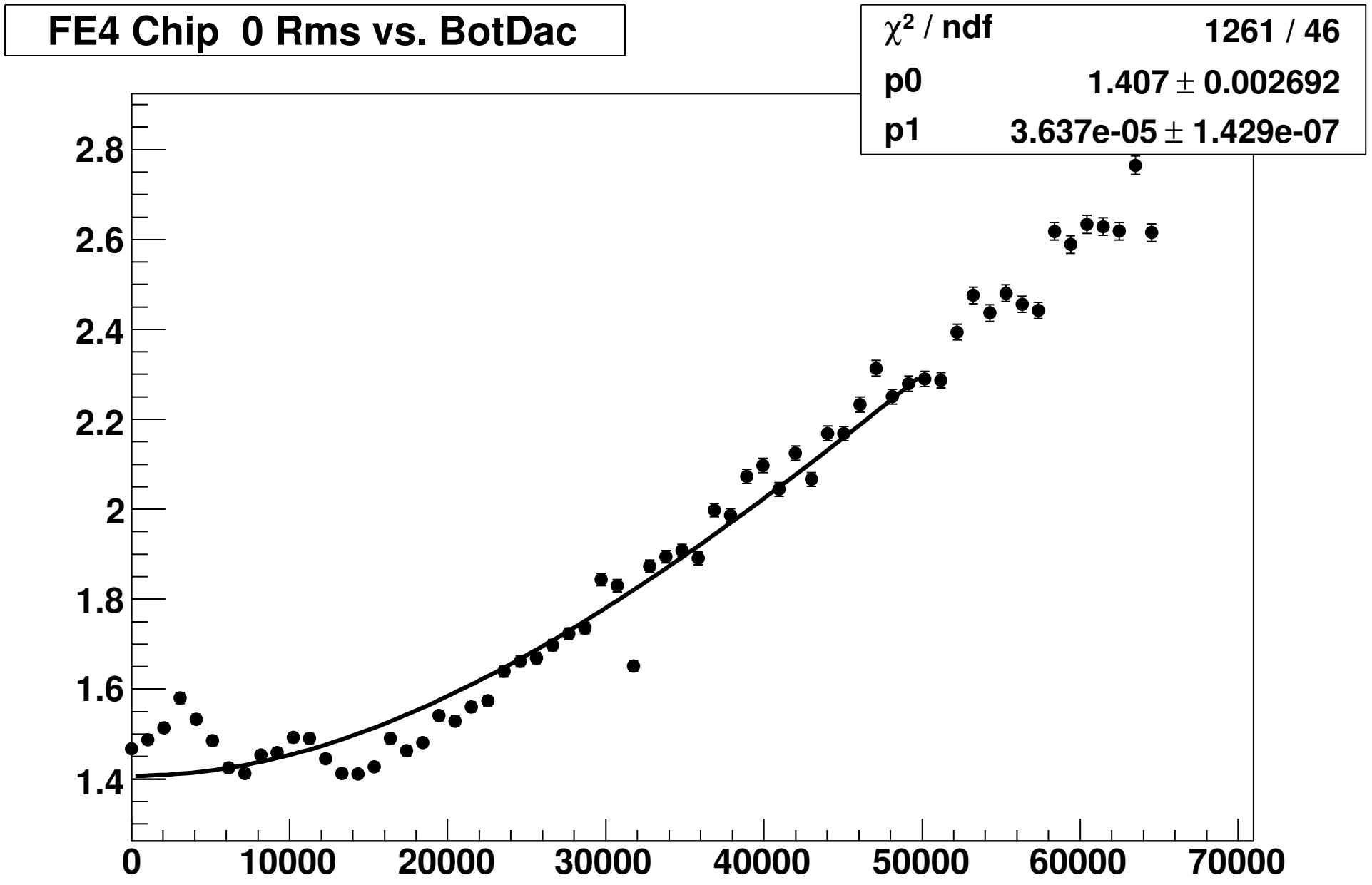

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 9.357e+04 / 46
p0 22.31 ± 0.004814
p1 0.4508 ± 1.923e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1261 / 46
p0 1.407 ± 0.002692
p1 3.637e-05 ± 1.429e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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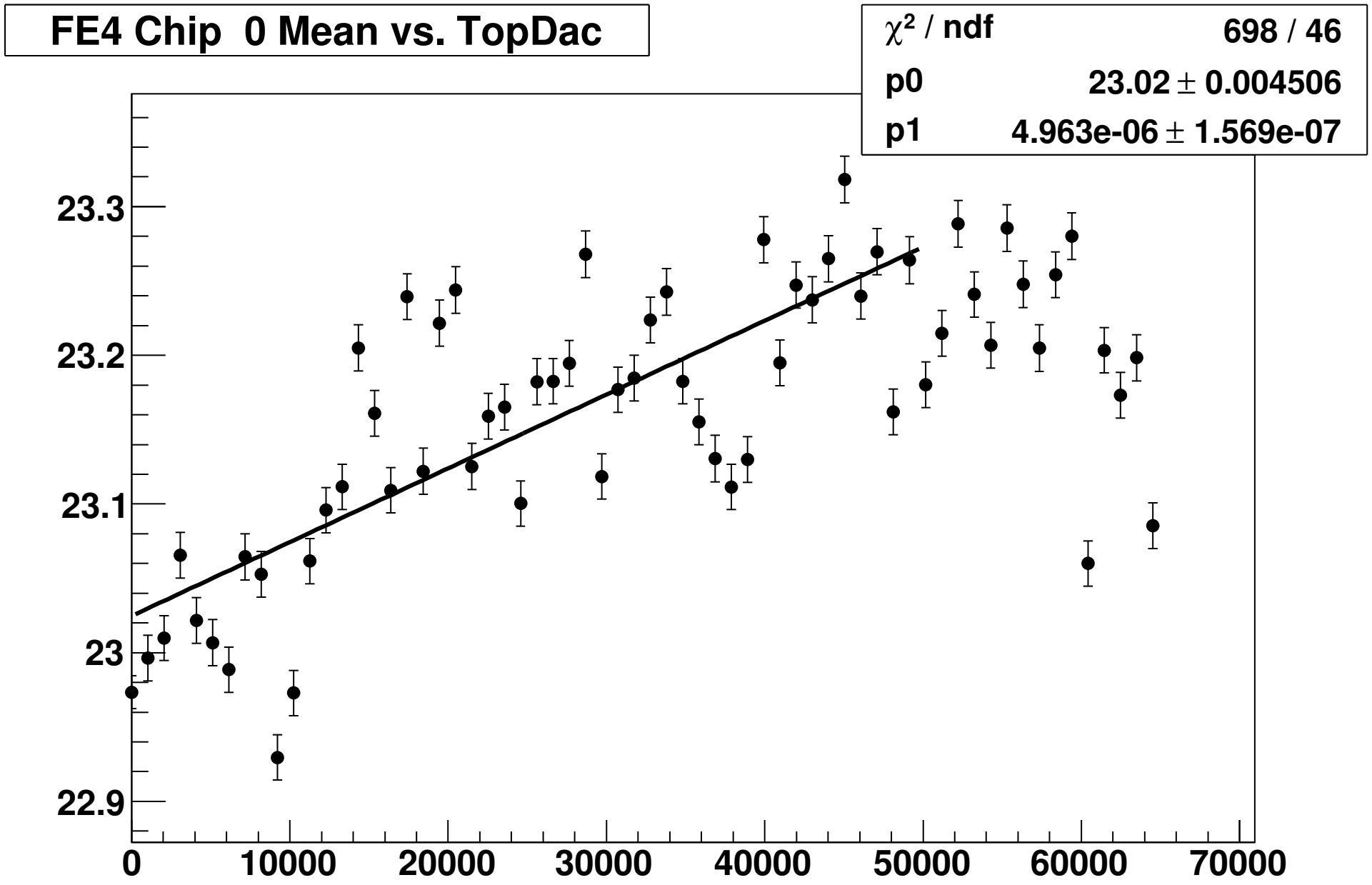
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 698 / 46
p0 23.02 ± 0.004506
p1 4.963e-06 ± 1.569e-07
23.3
23.2
23.1
23
22.9
0
10000
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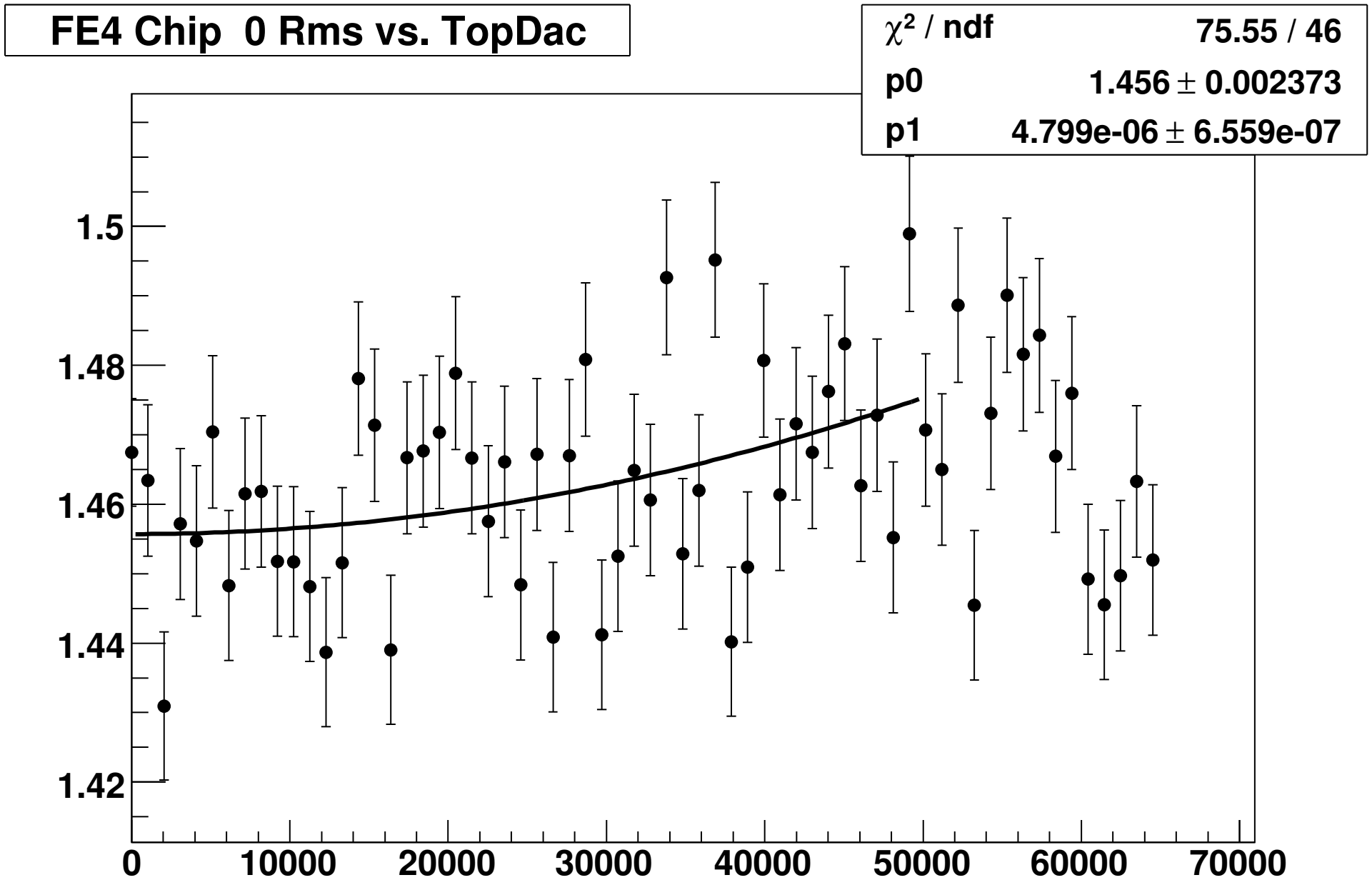
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 75.55 / 46
p0 1.456 ± 0.002373
p1 4.799e-06 ± 6.559e-07
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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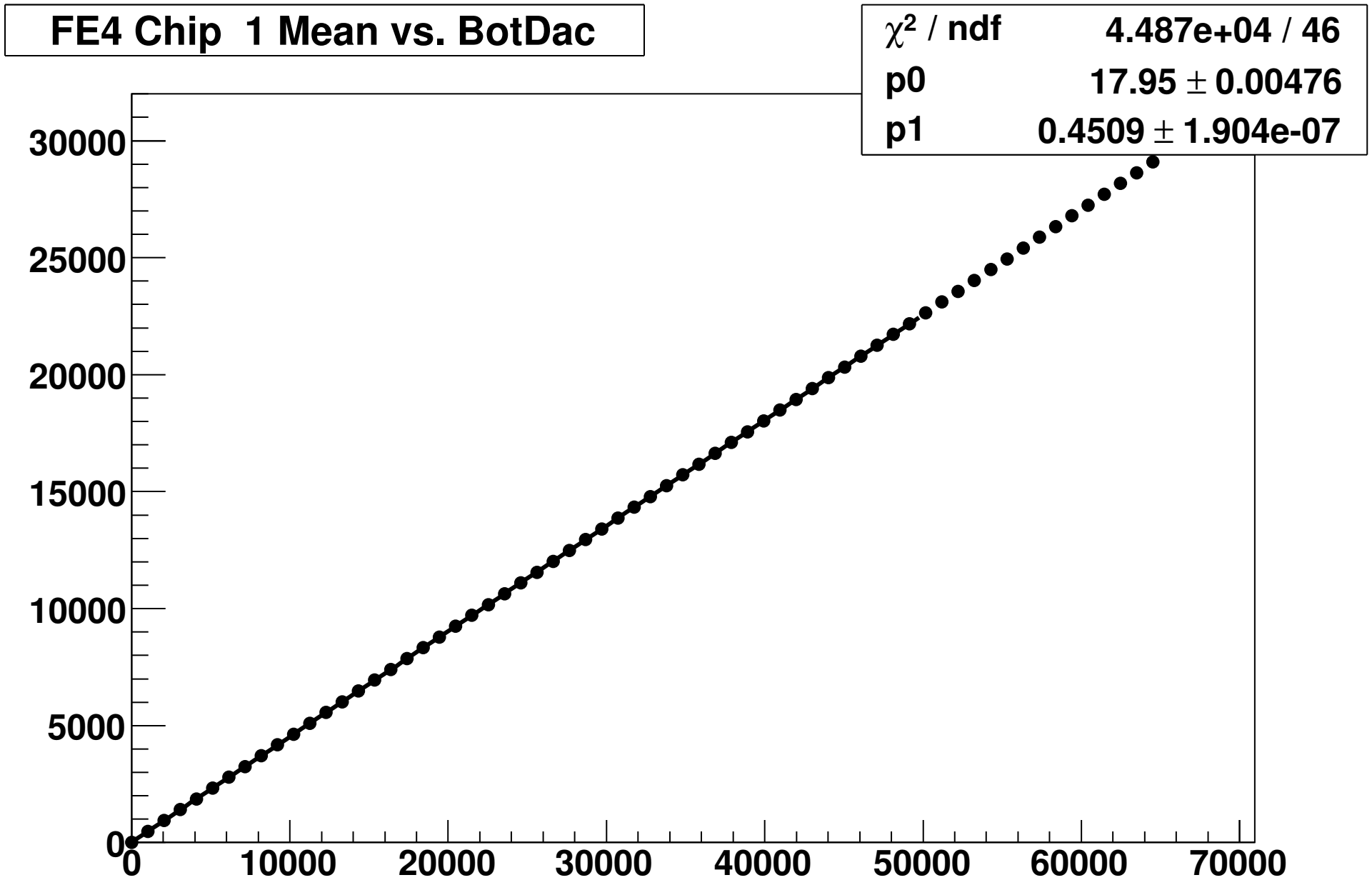
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 4.487e+04 / 46
p0 17.95 ± 0.00476
p1 0.4509 ± 1.904e-07
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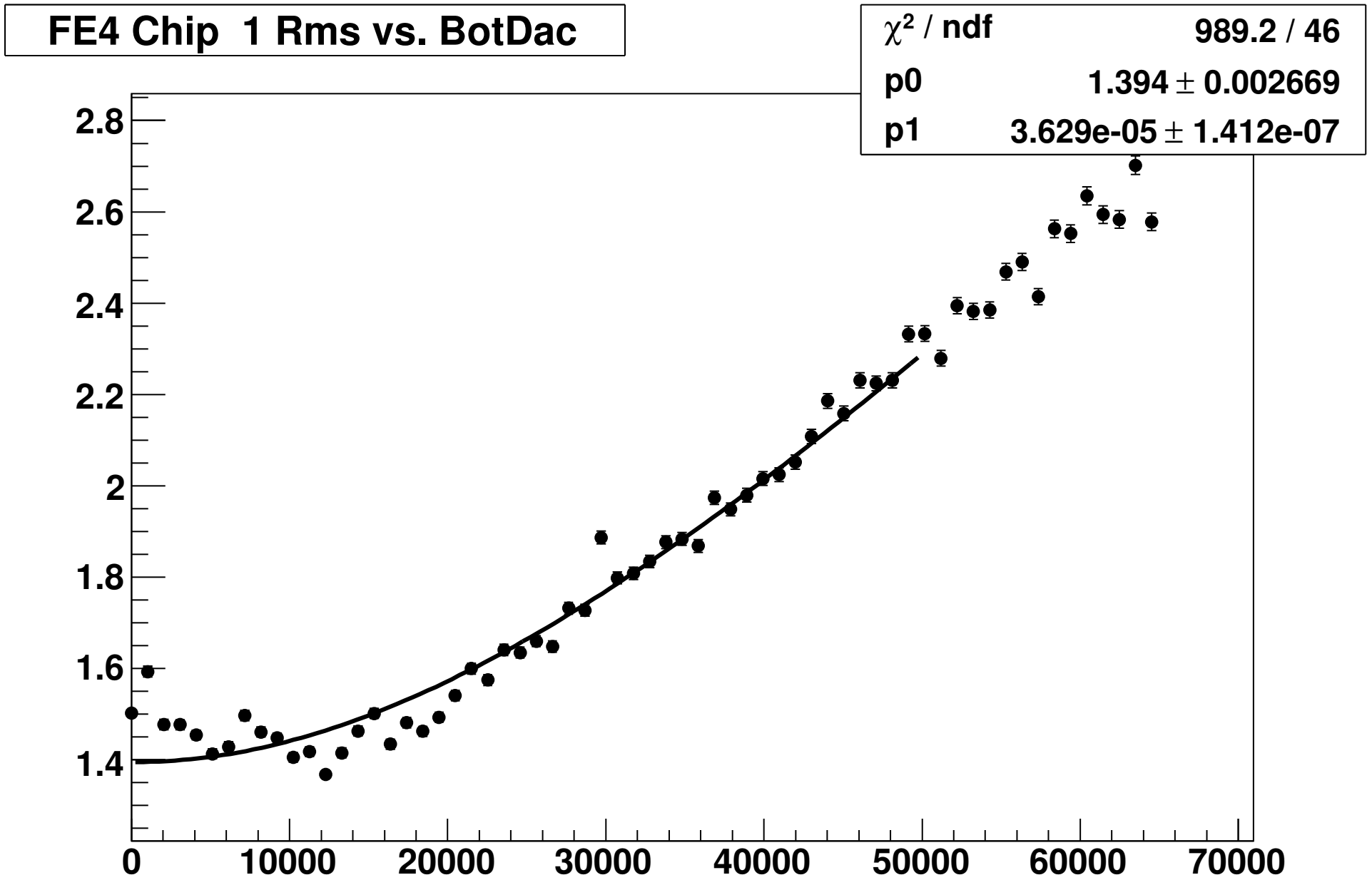
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 989.2 / 46
p0 1.394 ± 0.002669
p1 3.629e-05 ± 1.412e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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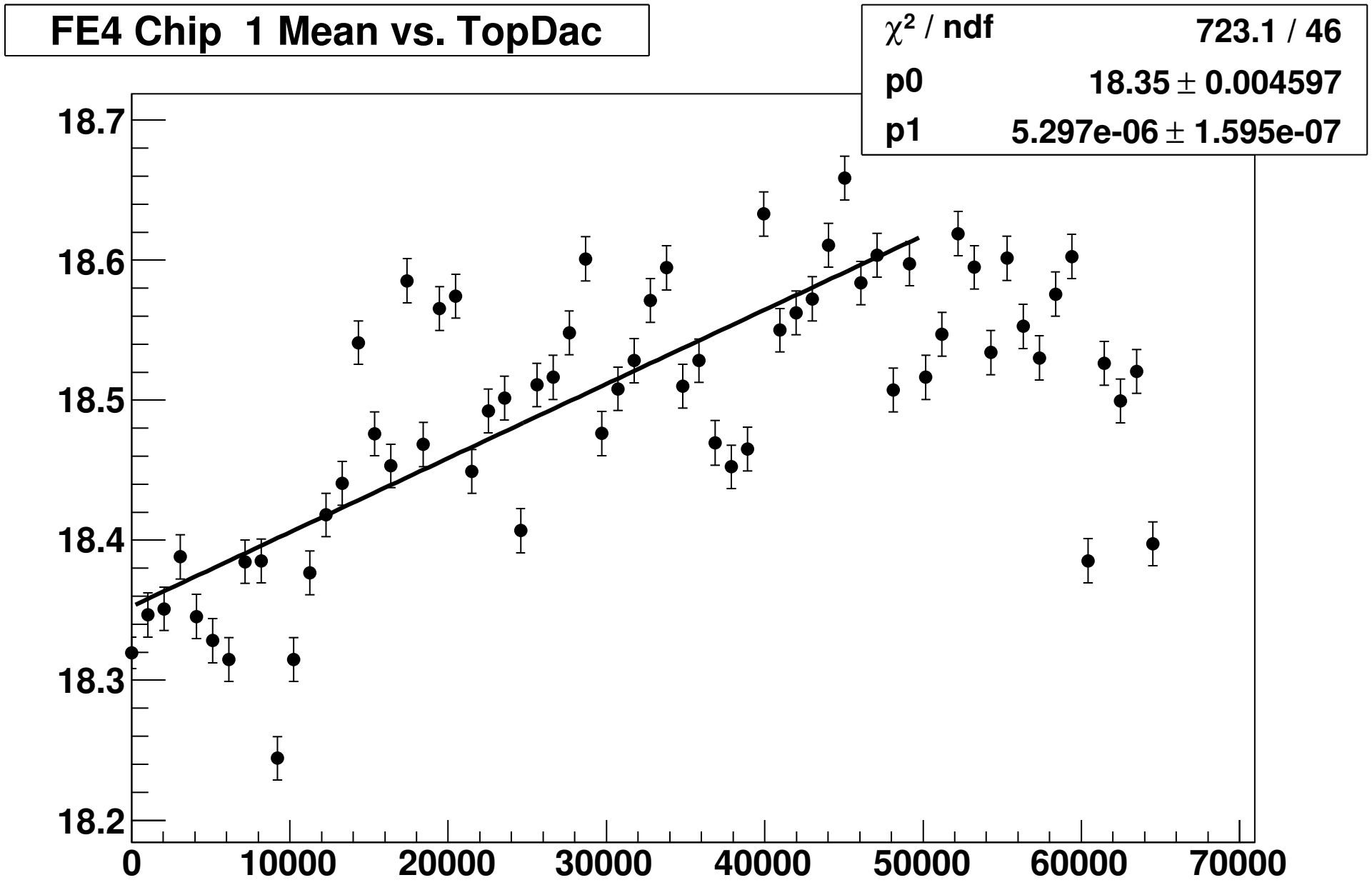
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 723.1 / 46
p0 18.35 ± 0.004597
p1 5.297e-06 ± 1.595e-07
18.7
18.6
18.5
18.4
18.3
18.2
0
10000
20000
30000
40000
50000
60000
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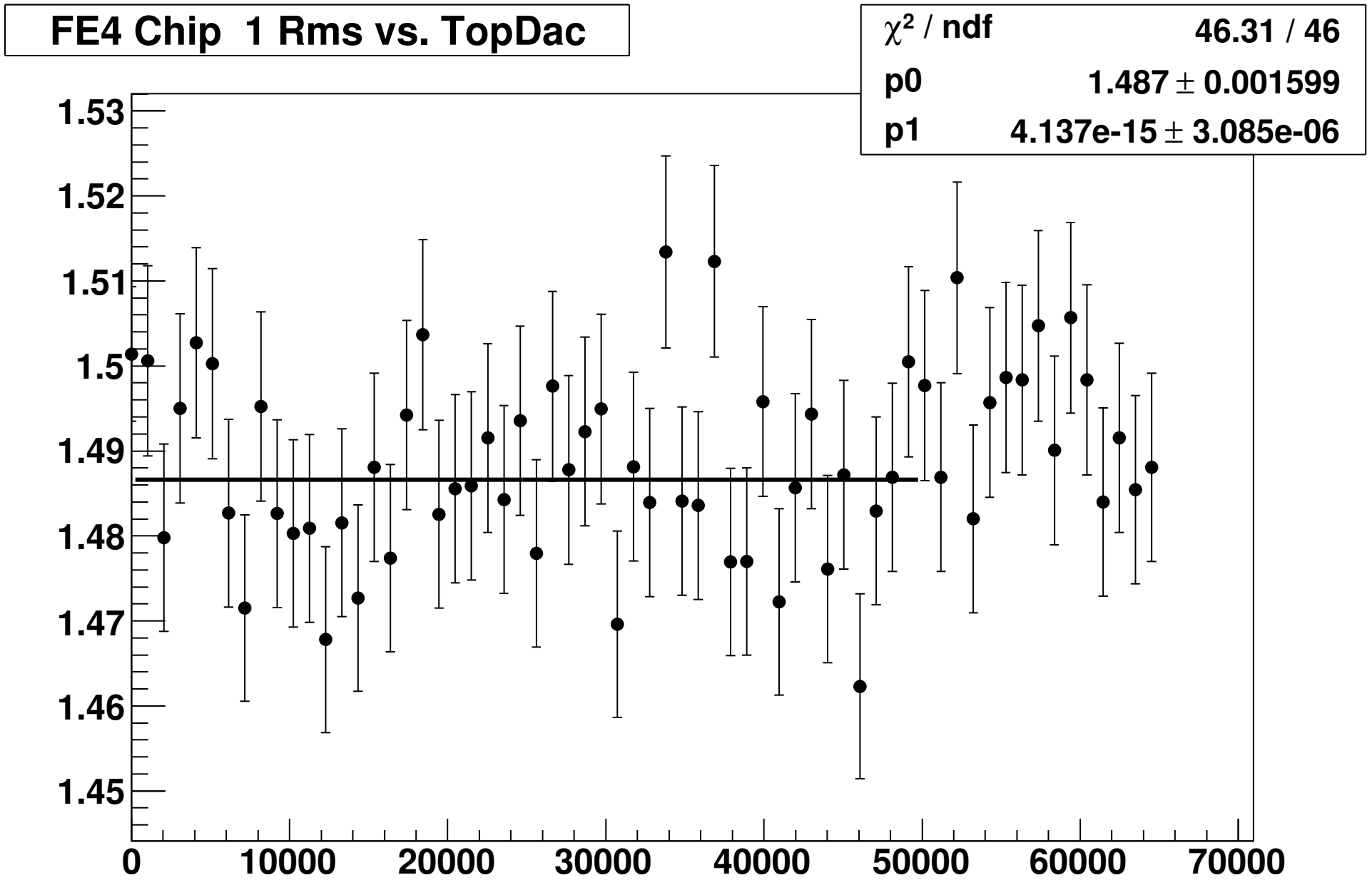
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 46.31 / 46
p0 1.487 ± 0.001599
p1 4.137e-15 ± 3.085e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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50000
60000
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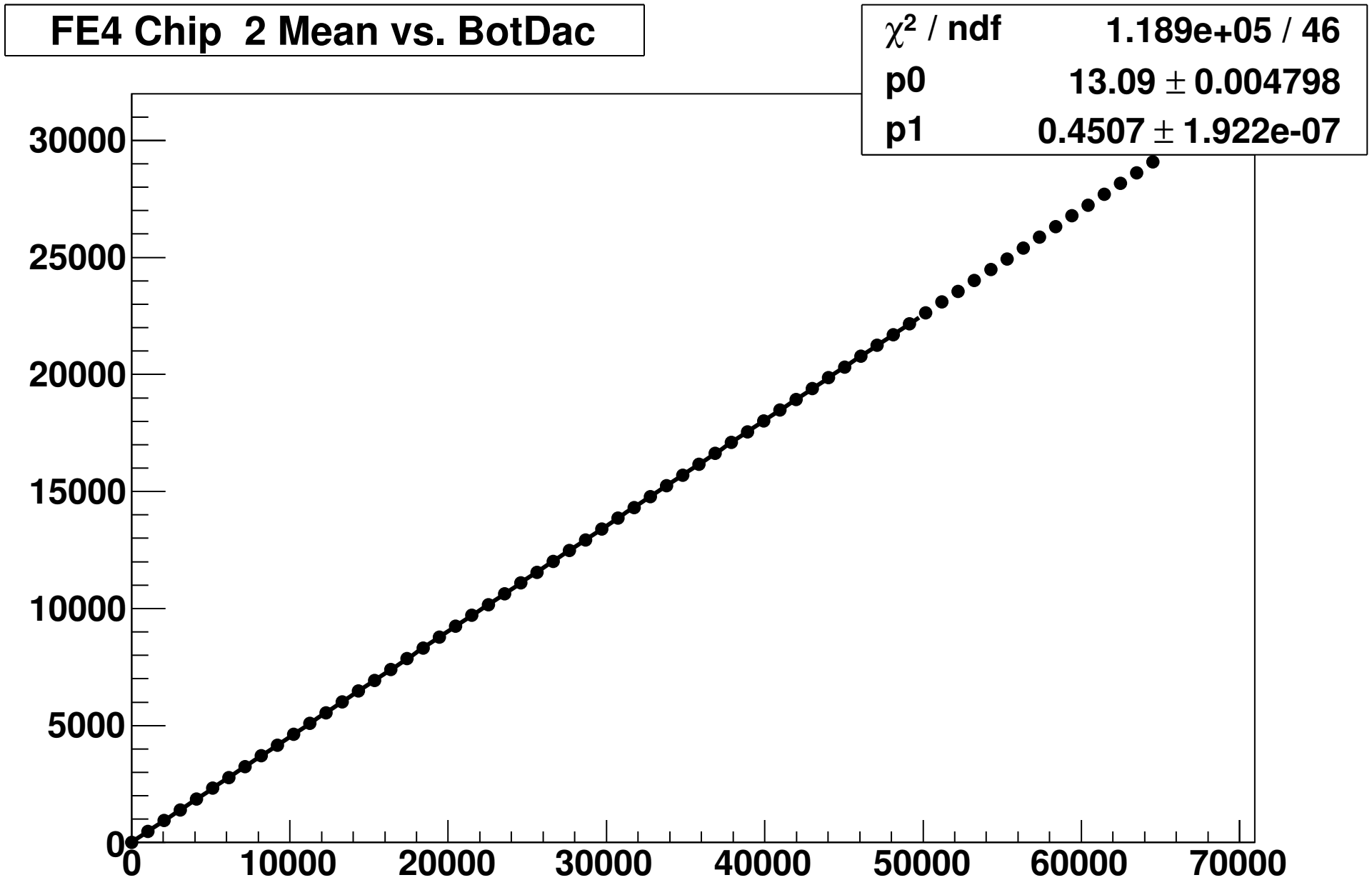
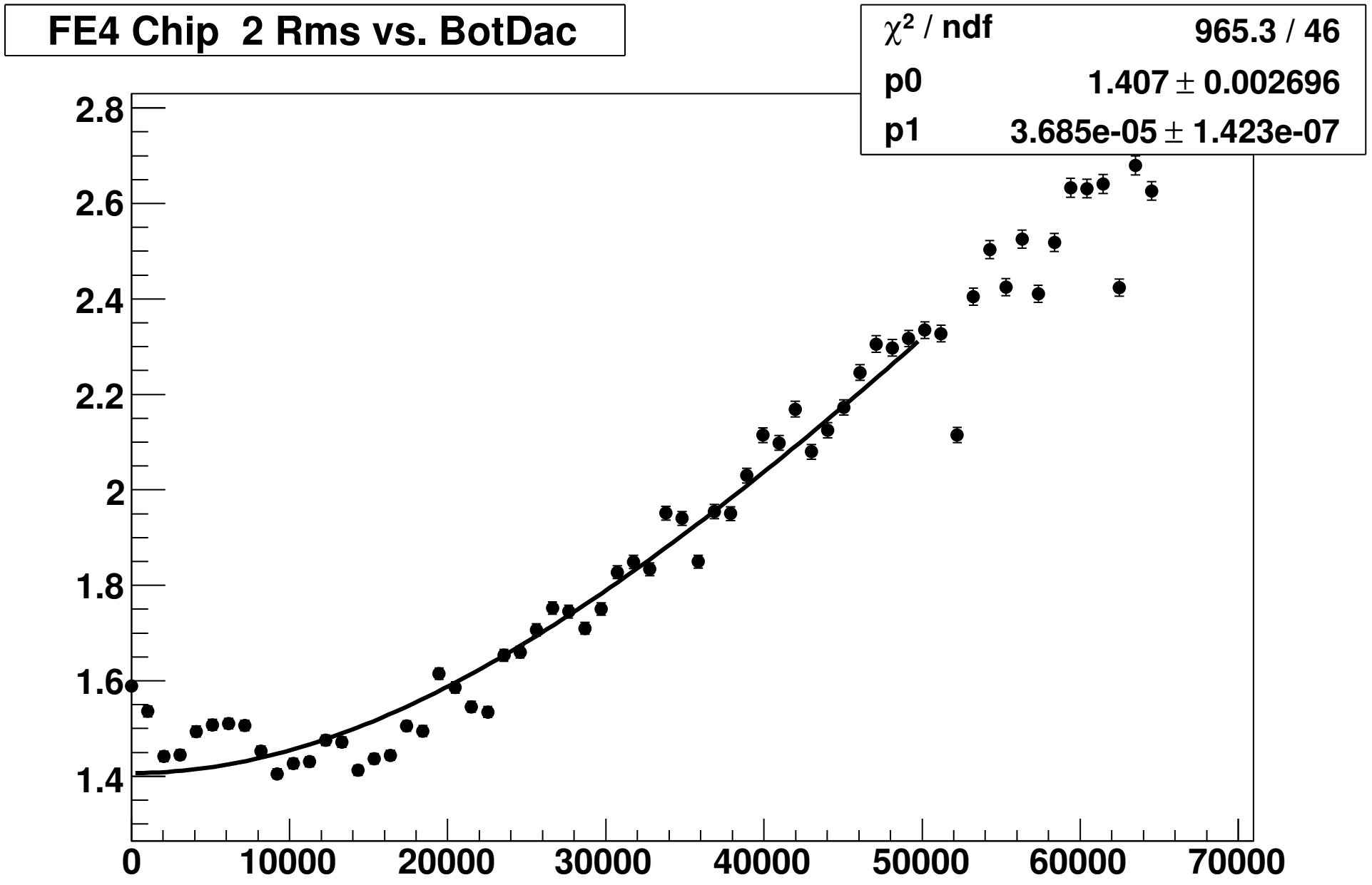

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.189e+05 / 46
p0 13.09 ± 0.004798
p1 0.4507 ± 1.922e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 965.3 / 46
p0 1.407 ± 0.002696
p1 3.685e-05 ± 1.423e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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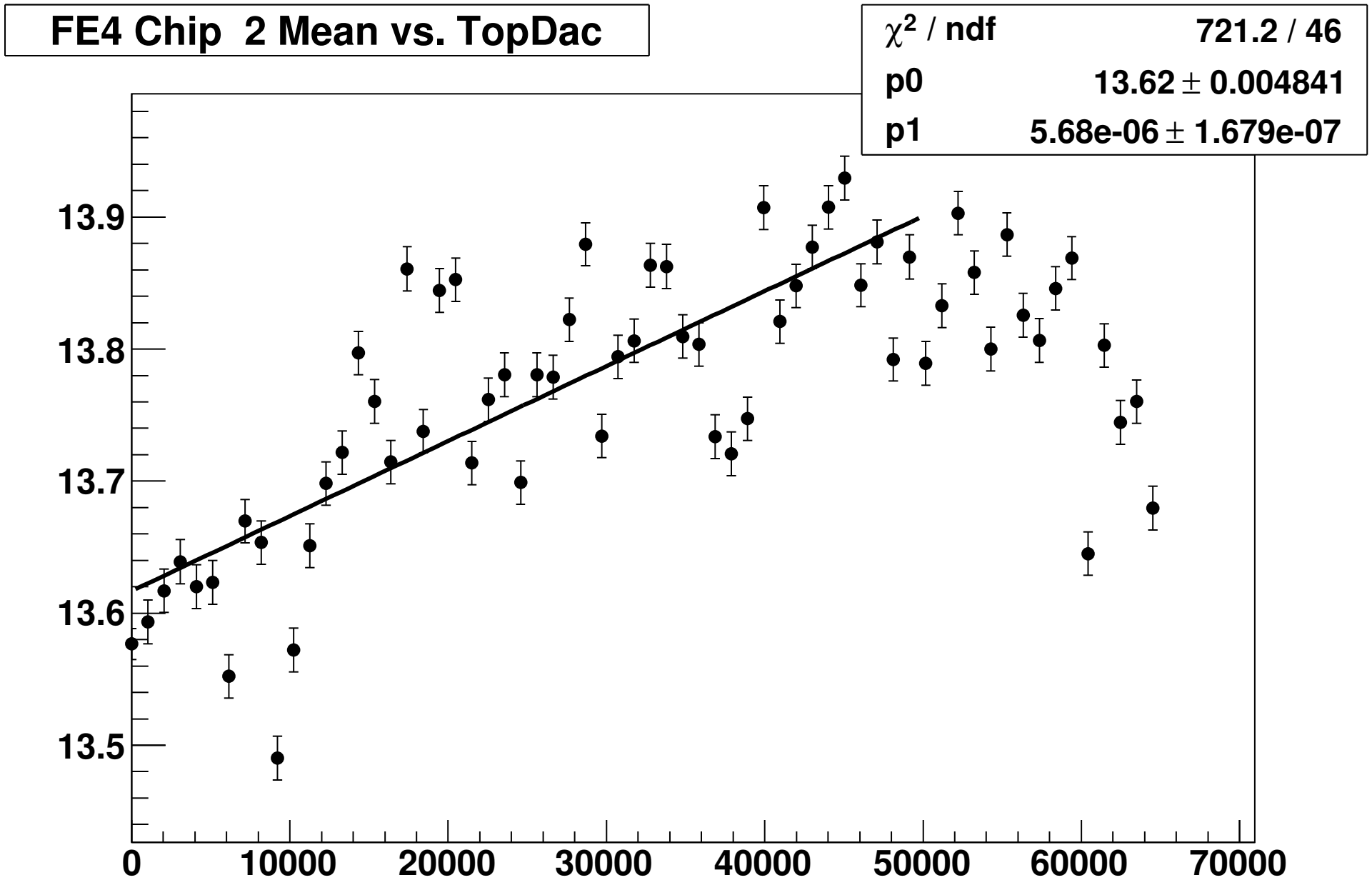
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 721.2 / 46
p0 13.62 ± 0.004841
p1 5.68e-06 ± 1.679e-07
13.9
13.8
13.7
13.6
13.5
0
10000
20000
30000
40000
50000
60000
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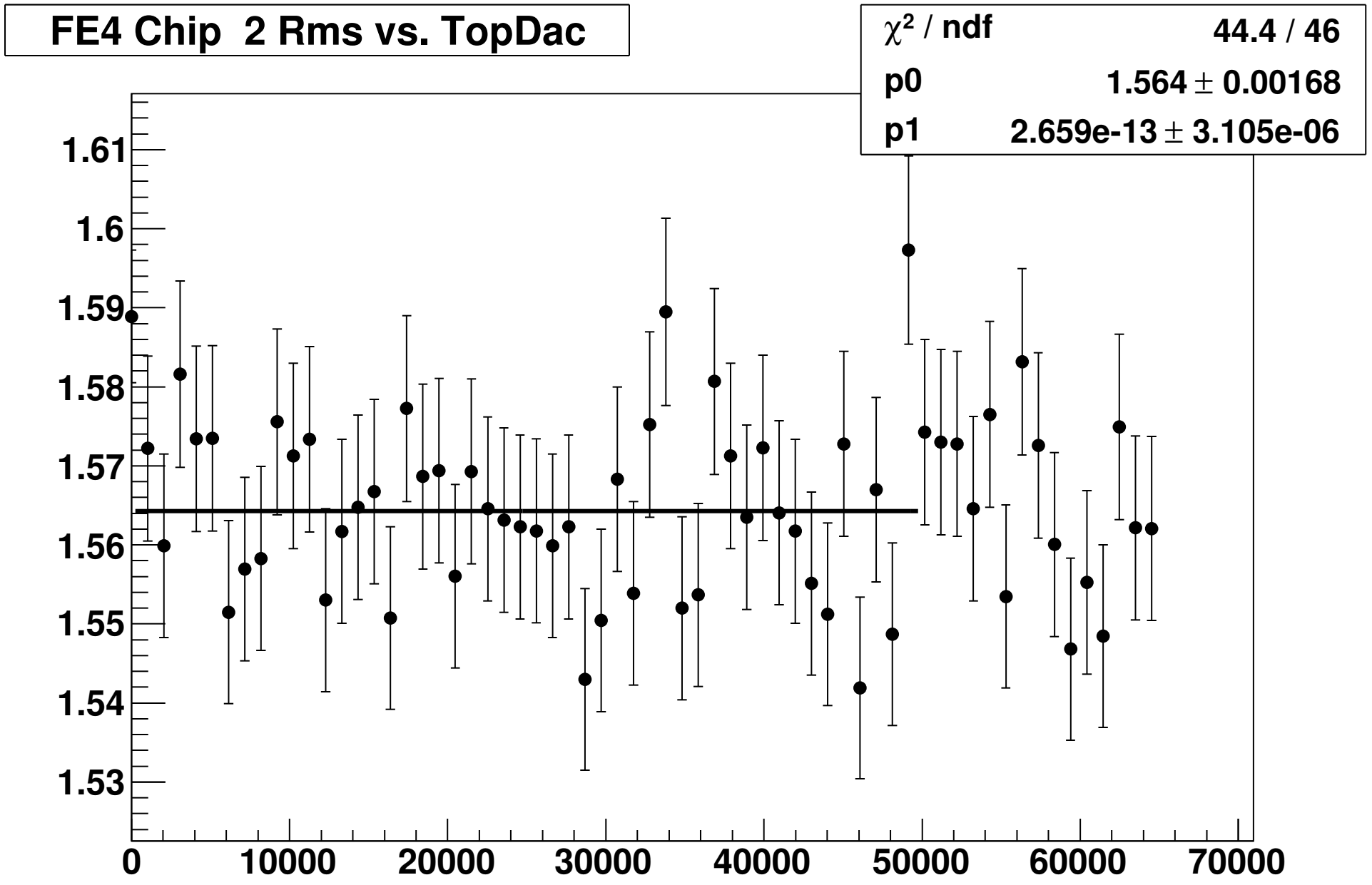
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 44.4 / 46
p0 1.564 ± 0.00168
p1 2.659e-13 ± 3.105e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
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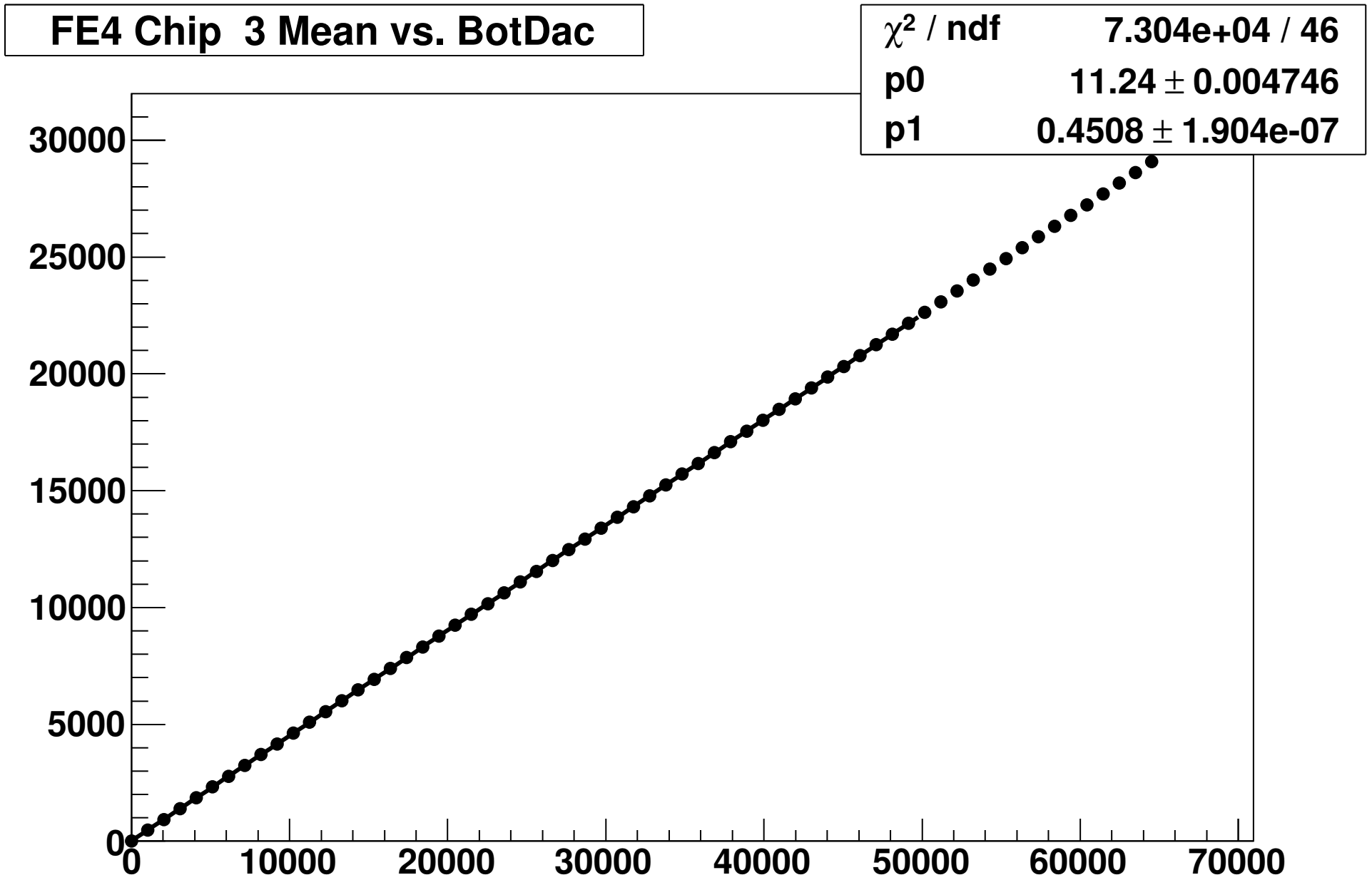
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 7.304e+04 / 46
p0 11.24 ± 0.004746
p1 0.4508 ± 1.904e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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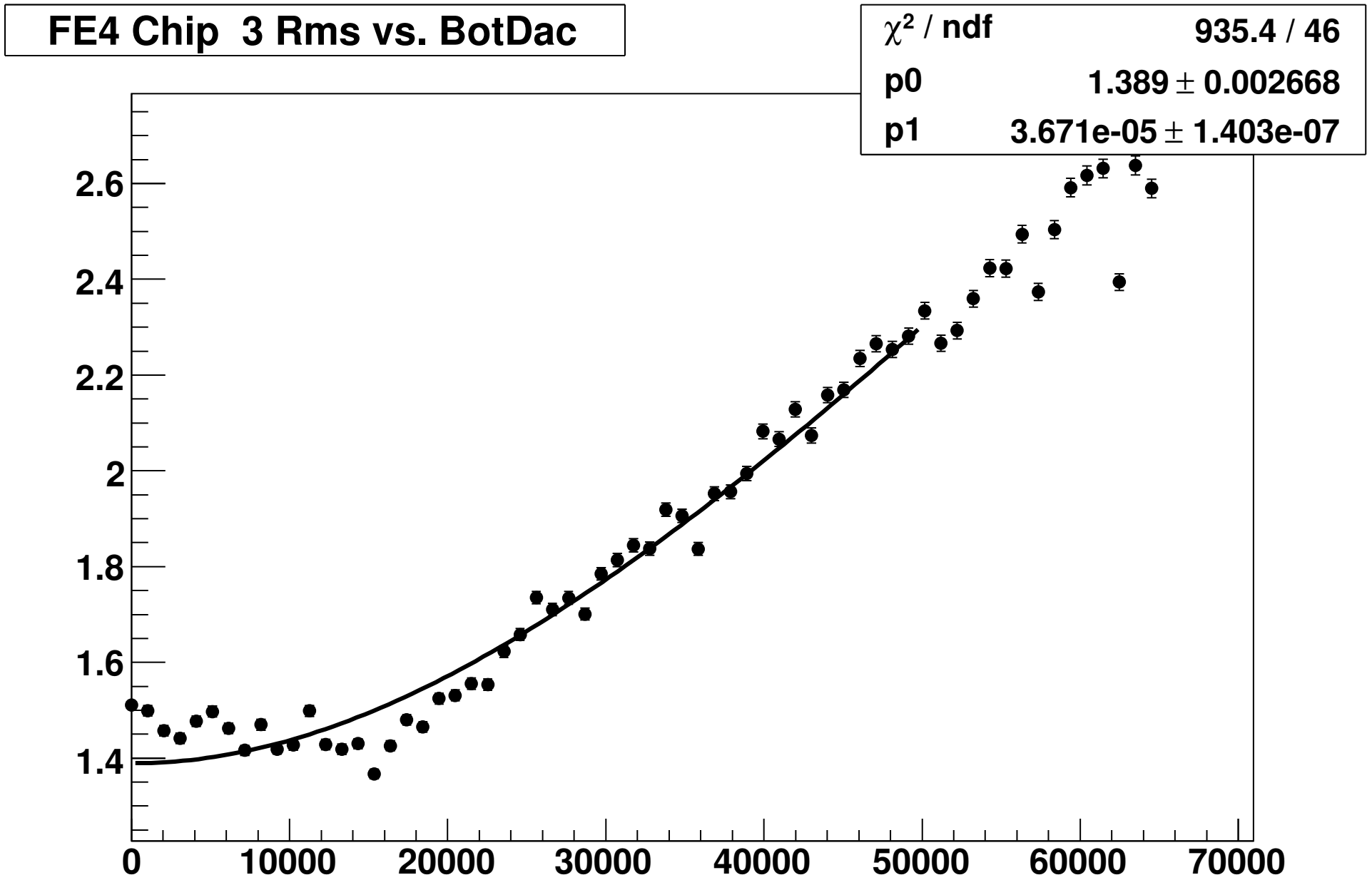
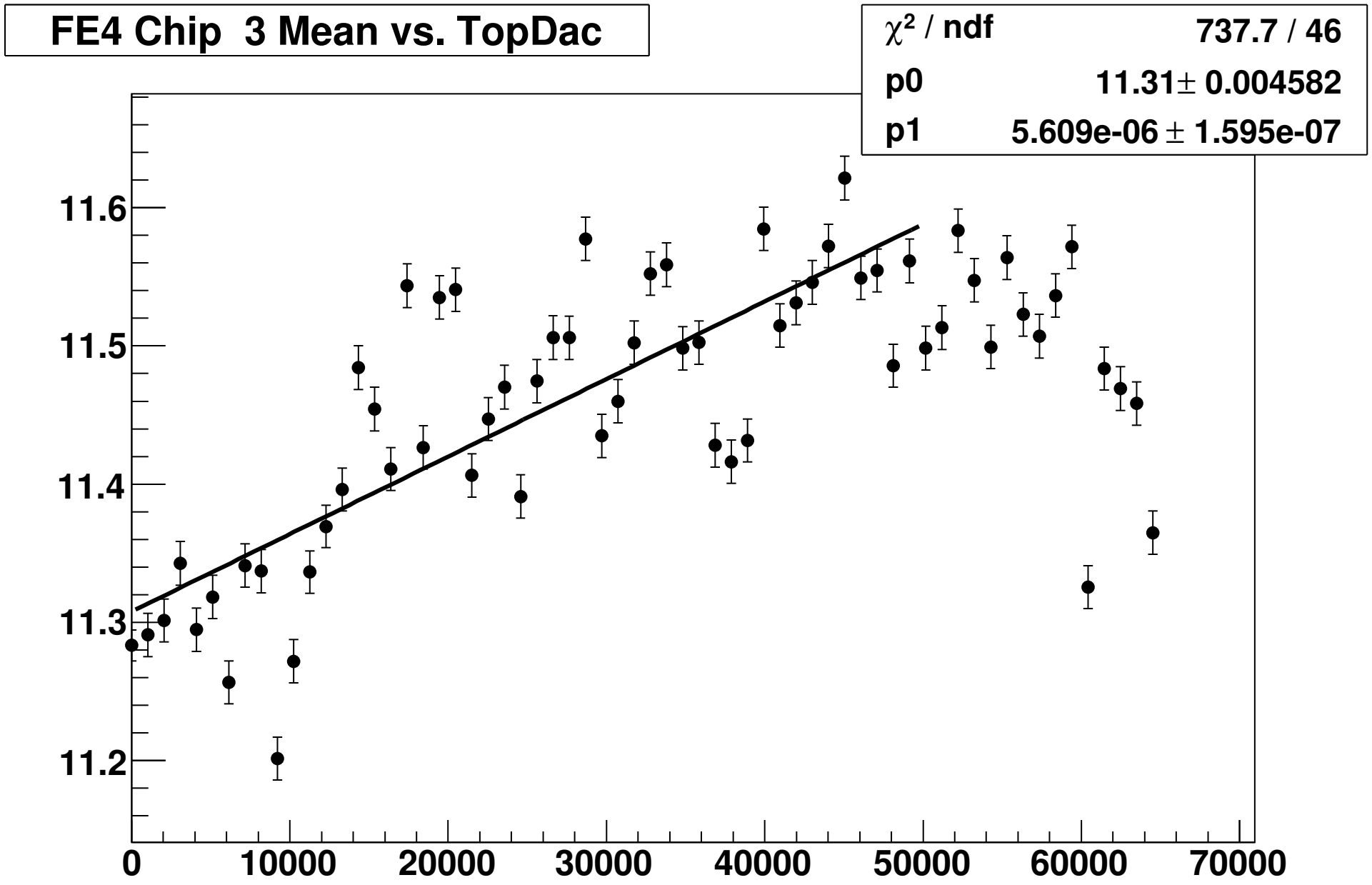
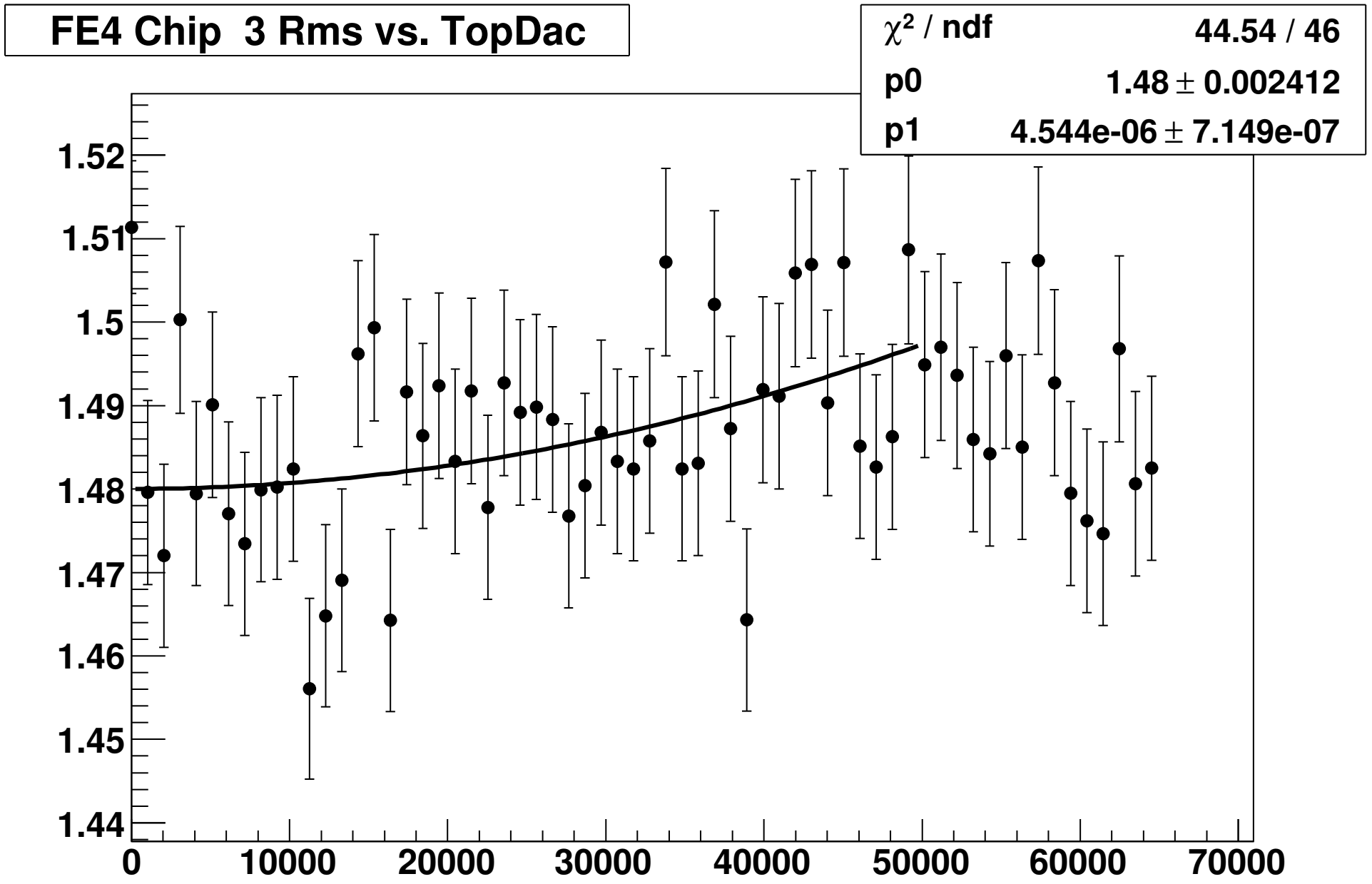
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 935.4 / 46
p0 1.389 ± 0.002668
p1 3.671e-05 ± 1.403e-07
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 737.7 / 46
p0 11.31 ± 0.004582
p1 5.609e-06 ± 1.595e-07
11.6
11.5
11.4
11.3
11.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 44.54 / 46
p0 1.48 ± 0.002412
p1 4.544e-06 ± 7.149e-07
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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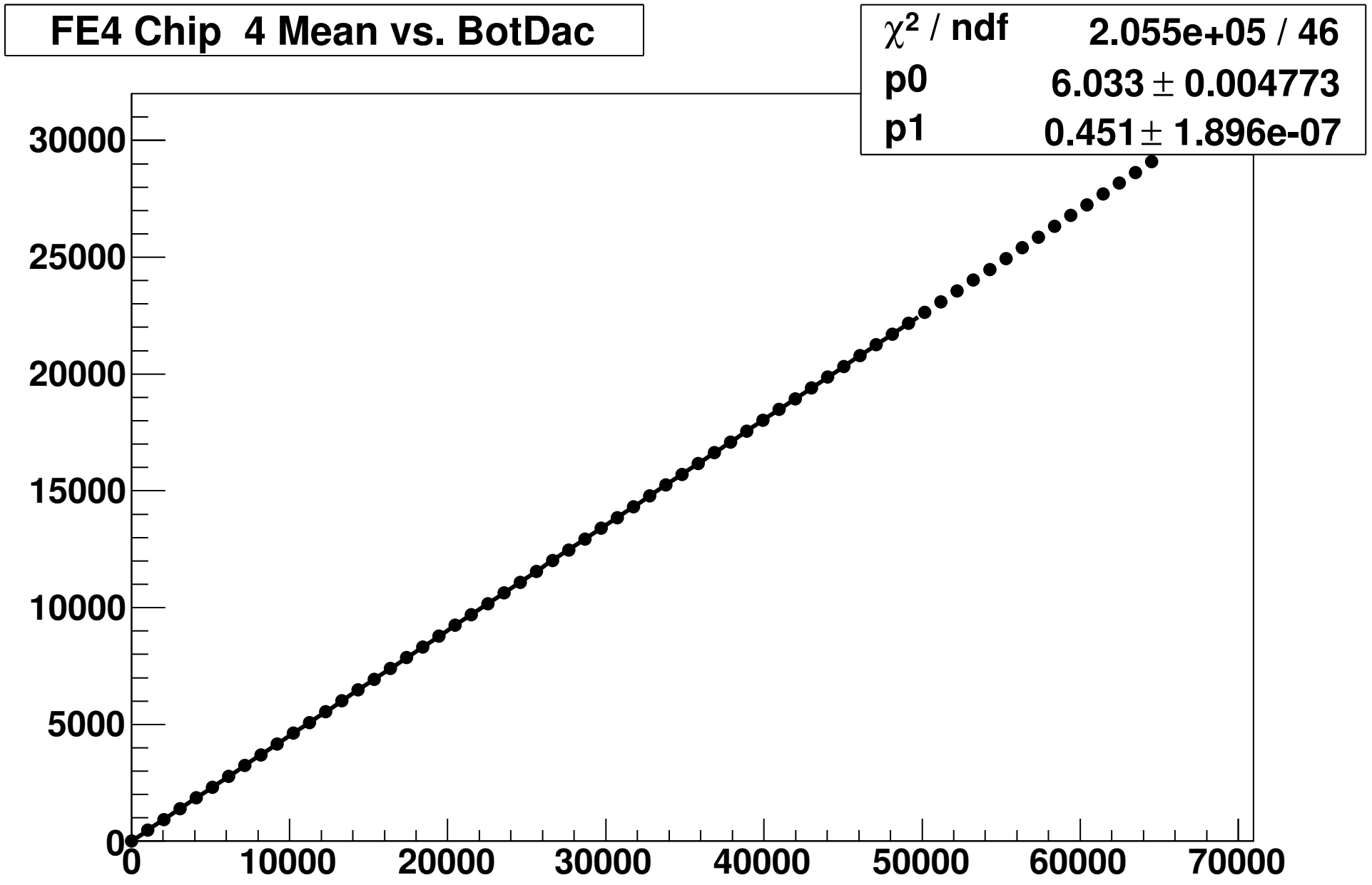
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 2.055e+05 / 46
p0 6.033 ± 0.004773
p1 0.451 ± 1.896e-07
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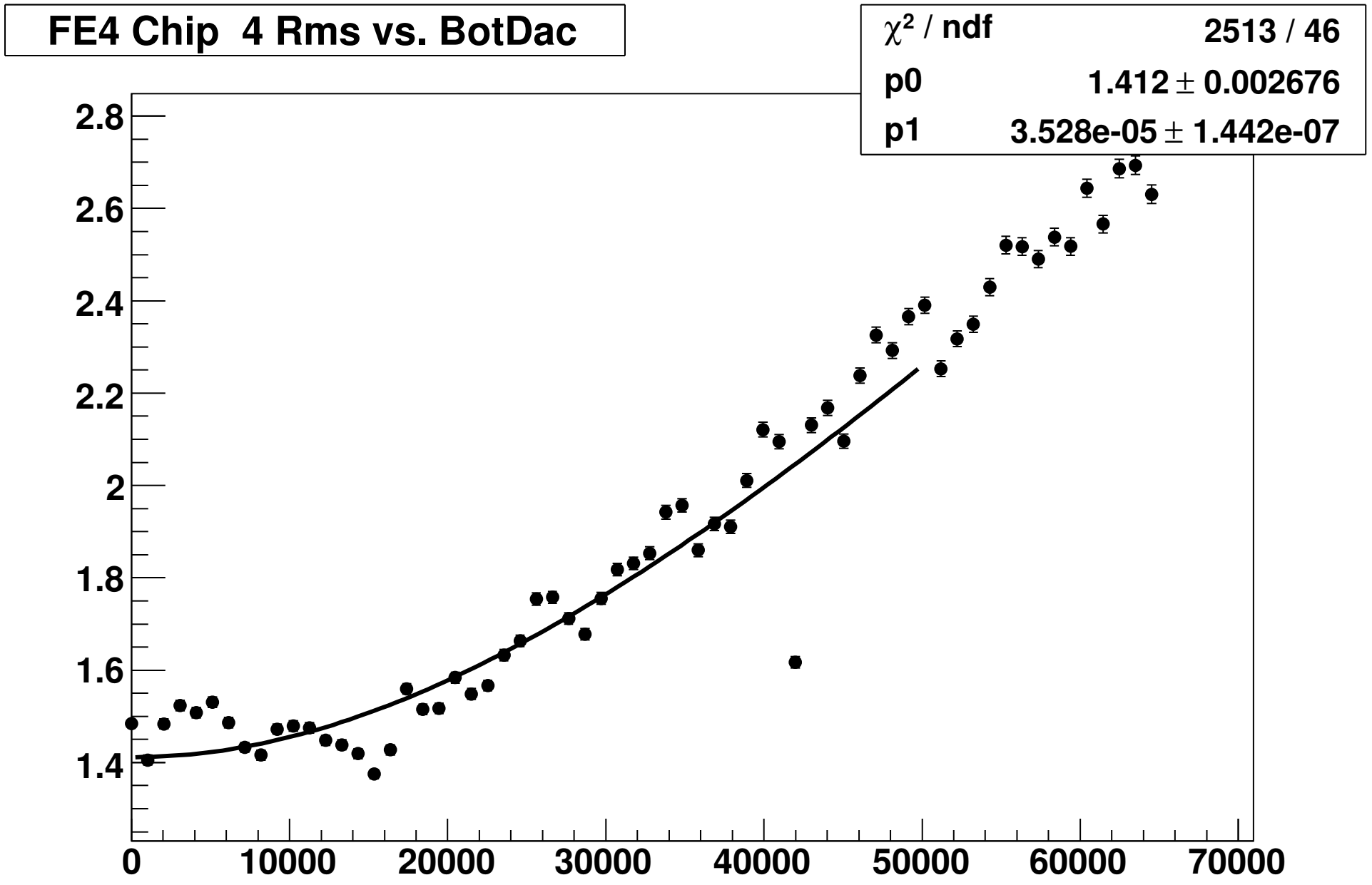
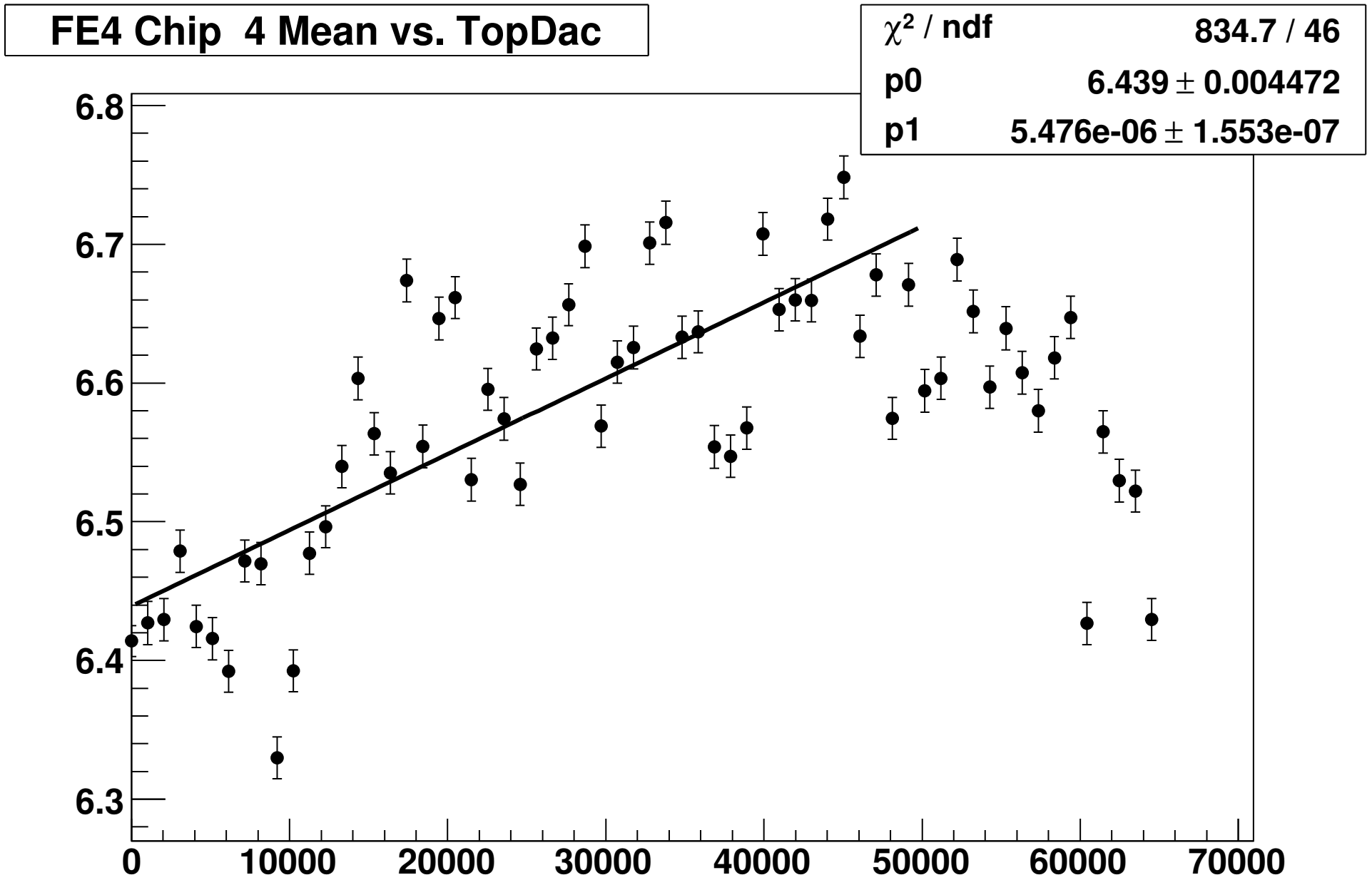
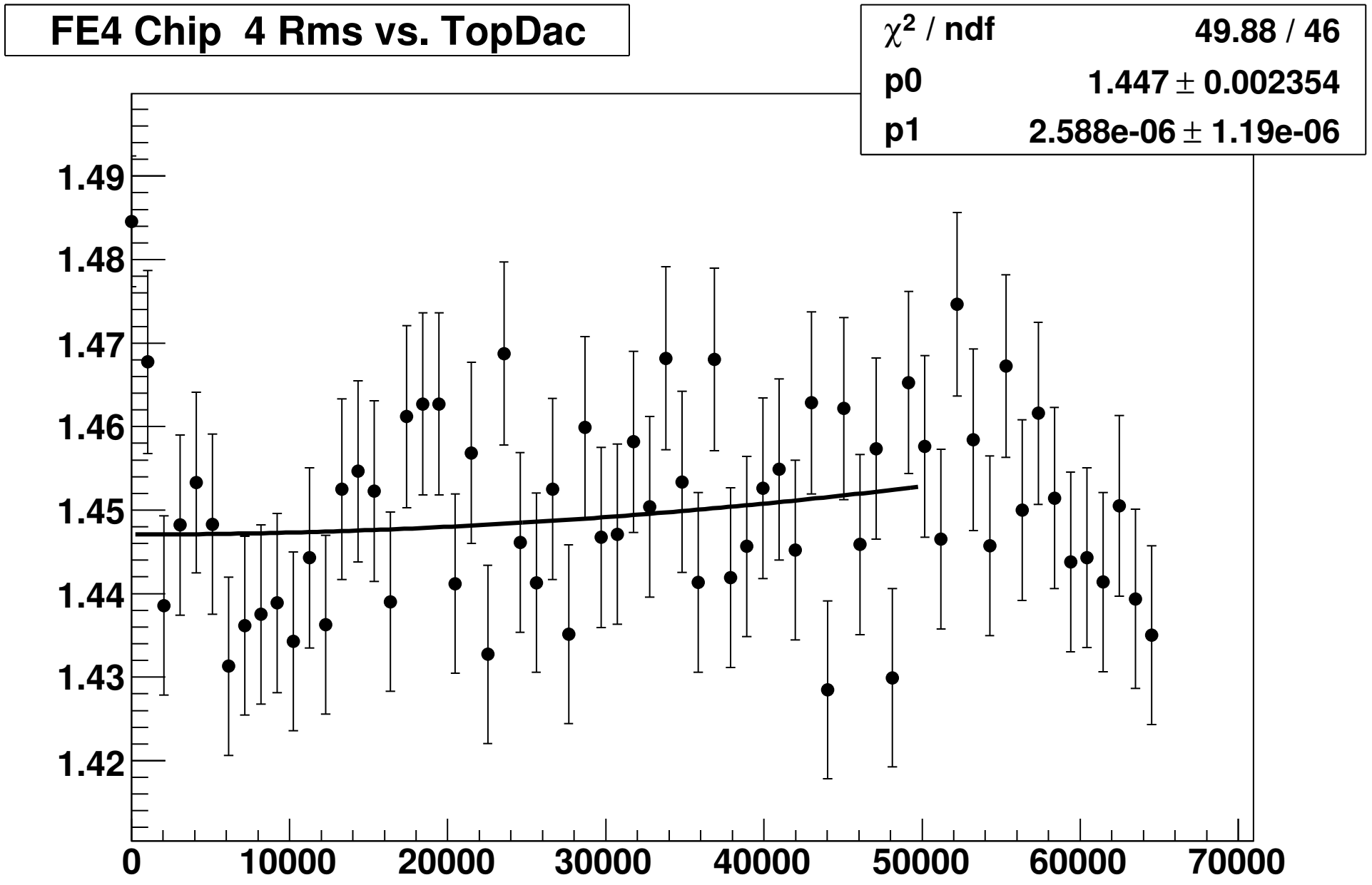
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 2513 / 46
p0 1.412 ± 0.002676
p1 3.528e-05 ± 1.442e-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 4 Mean vs. TopDac
χ² / ndf 834.7 / 46
p0 6.439 ± 0.004472
p1 5.476e-06 ± 1.553e-07
6.8
6.7
6.6
6.5
6.4
6.3
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 49.88 / 46
p0 1.447 ± 0.002354
p1 2.588e-06 ± 1.19e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
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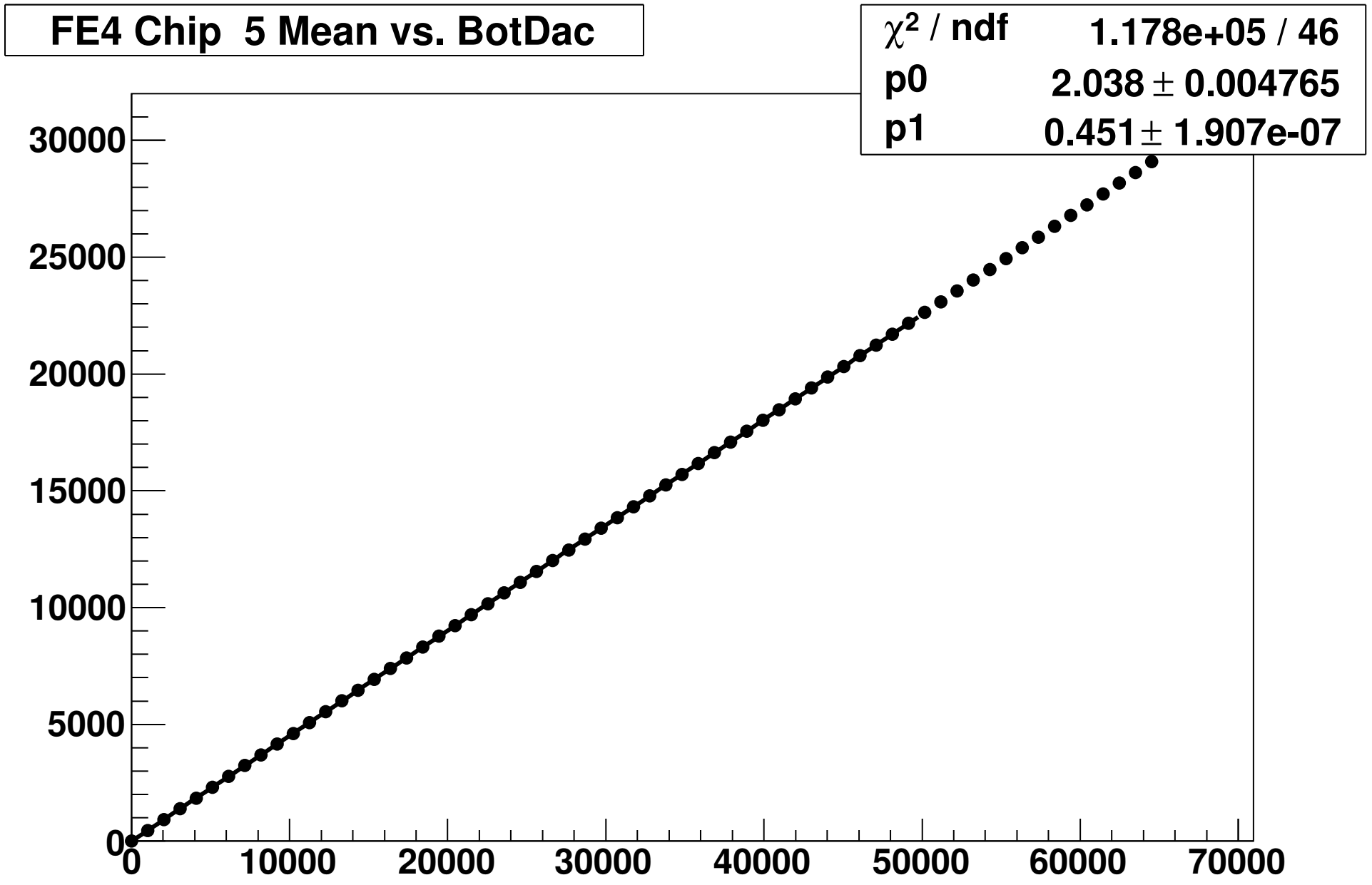
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.178e+05 / 46
p0 2.038 ± 0.004765
p1 0.451 ± 1.907e-07
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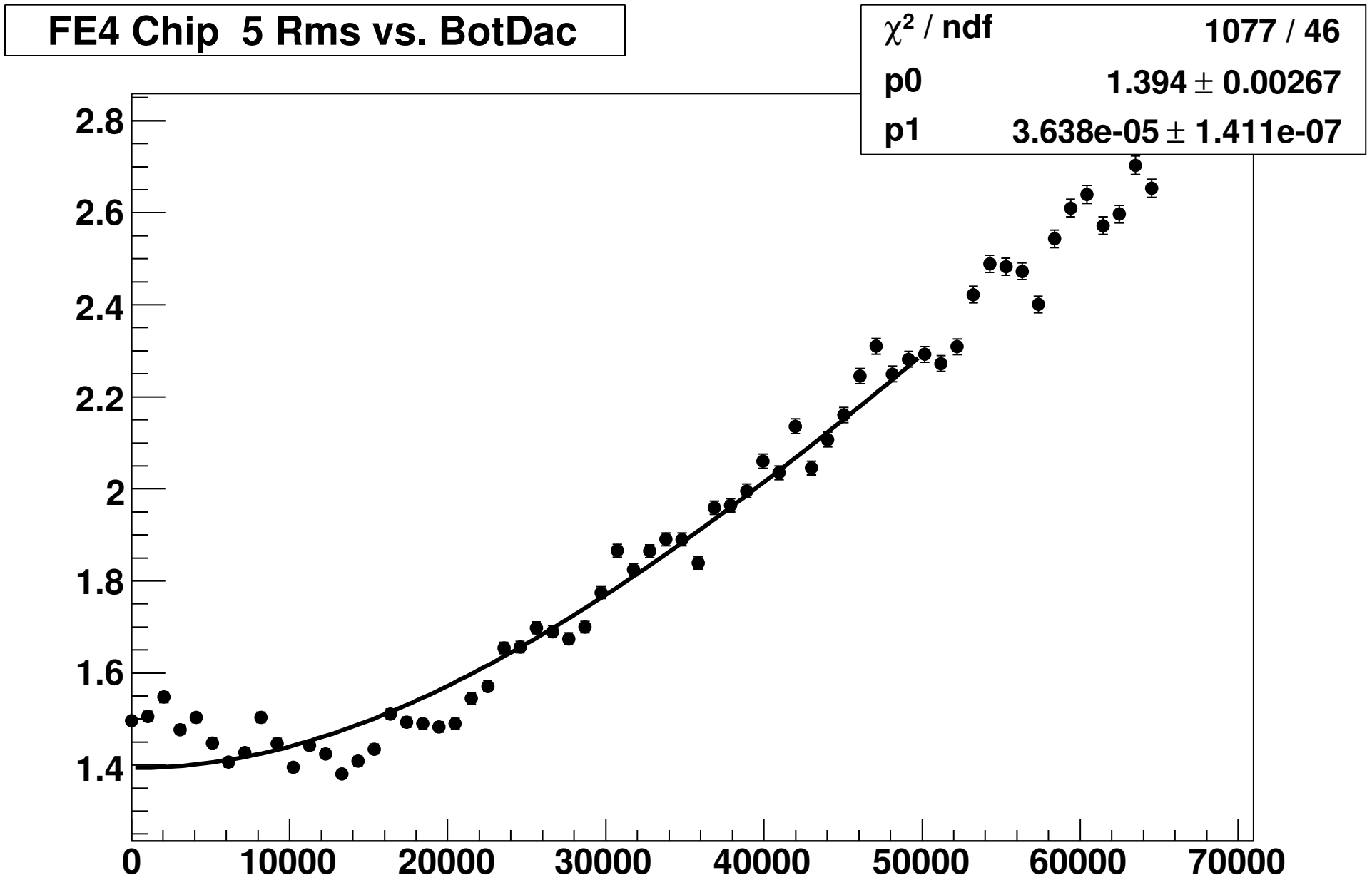
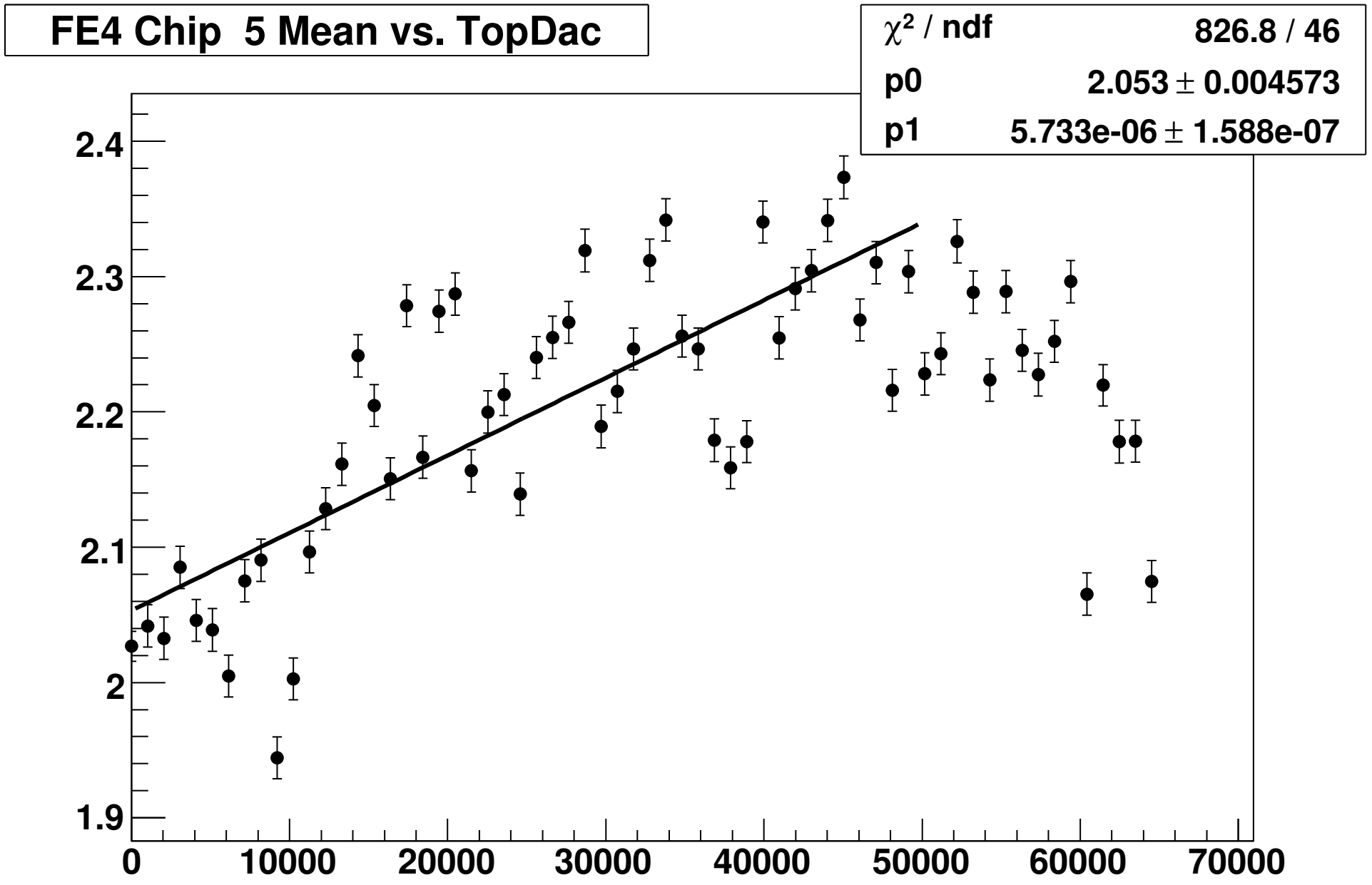
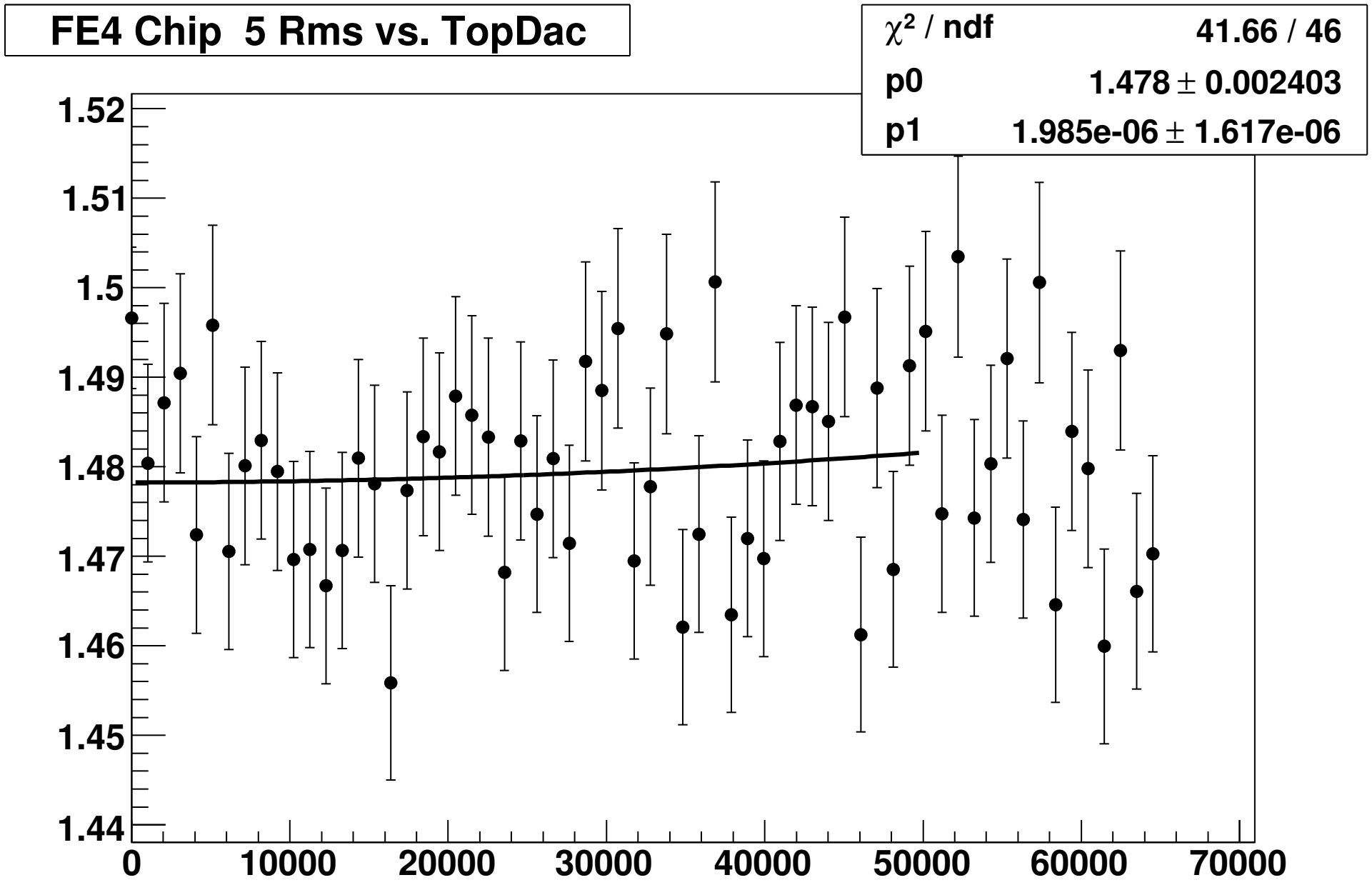
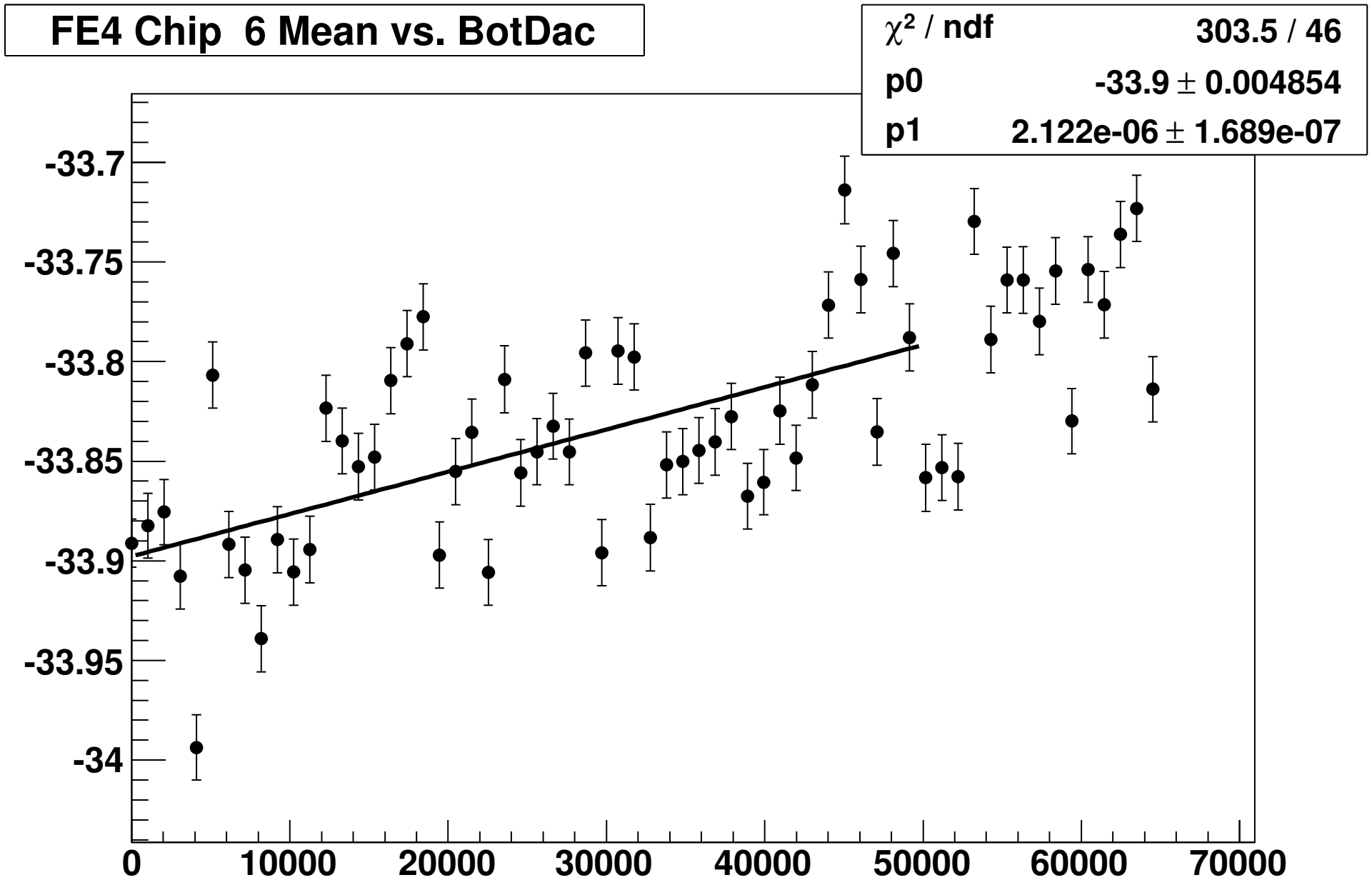
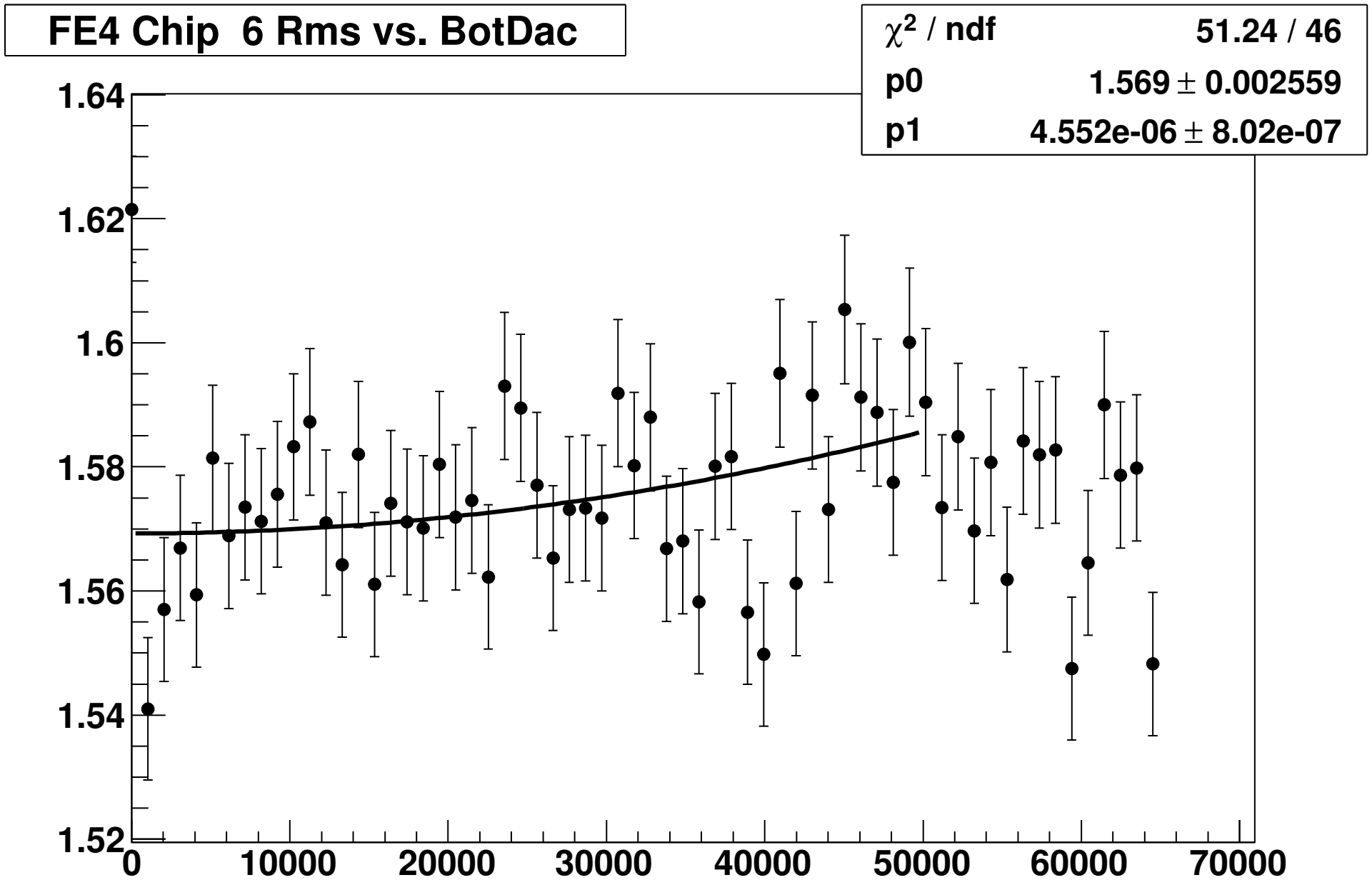
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

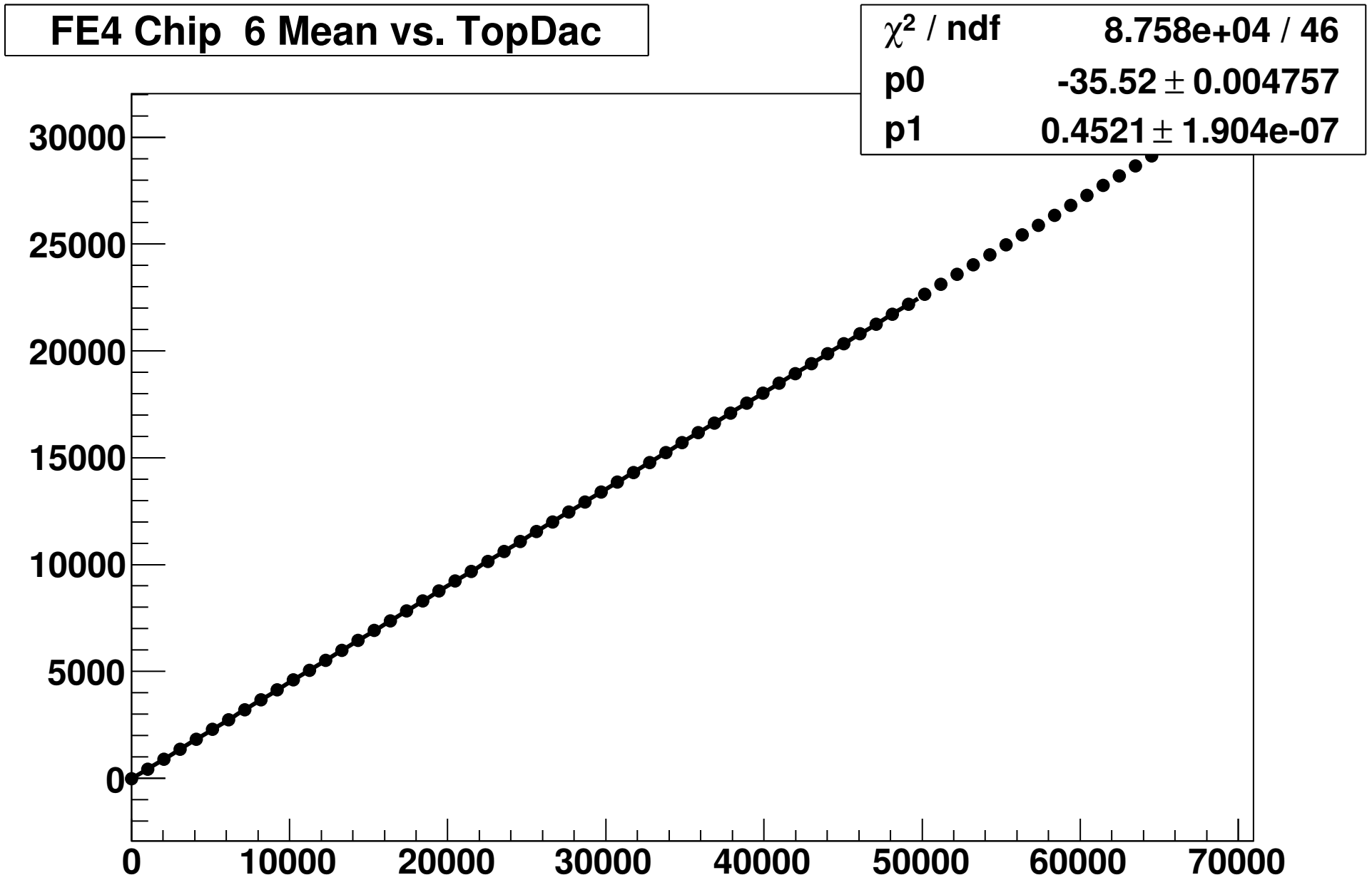

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 1077 / 46
p0 1.394 ± 0.00267
p1 3.638e-05 ± 1.411e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 826.8 / 46
p0 2.053 ± 0.004573
p1 5.733e-06 ± 1.588e-07
2.4
2.3
2.2
2.1
2
1.9
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 41.66 / 46
p0 1.478 ± 0.002403
p1 1.985e-06 ± 1.617e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 303.5 / 46
p0 -33.9 ± 0.004854
p1 2.122e-06 ± 1.689e-07
-33.7
-33.75
-33.8
-33.85
-33.9
-33.95
-34
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 51.24 / 46
p0 1.569 ± 0.002559
p1 4.552e-06 ± 8.02e-07
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 8.758e+04 / 46
p0 -35.52 ± 0.004757
p1 0.4521 ± 1.904e-07
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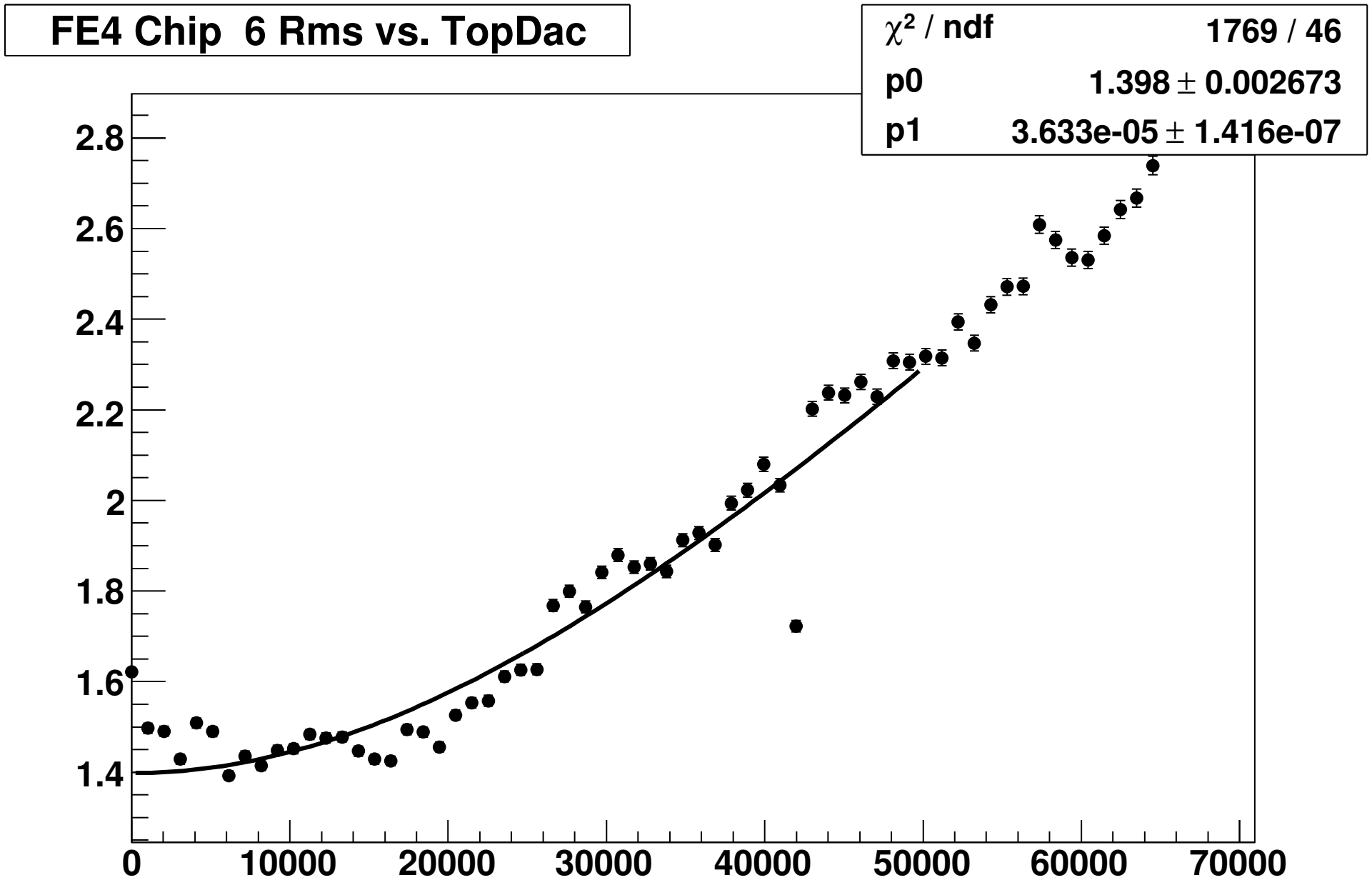
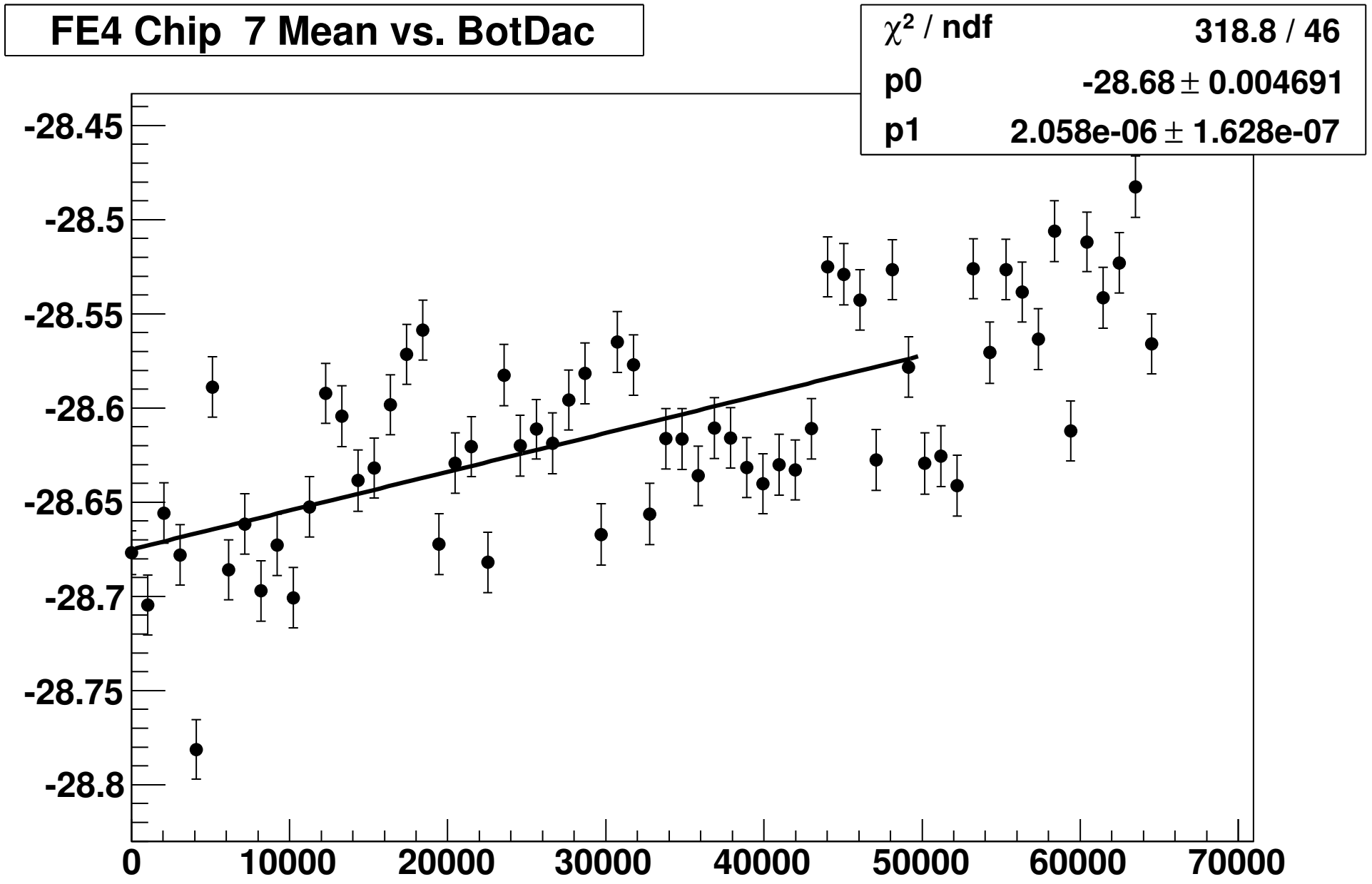
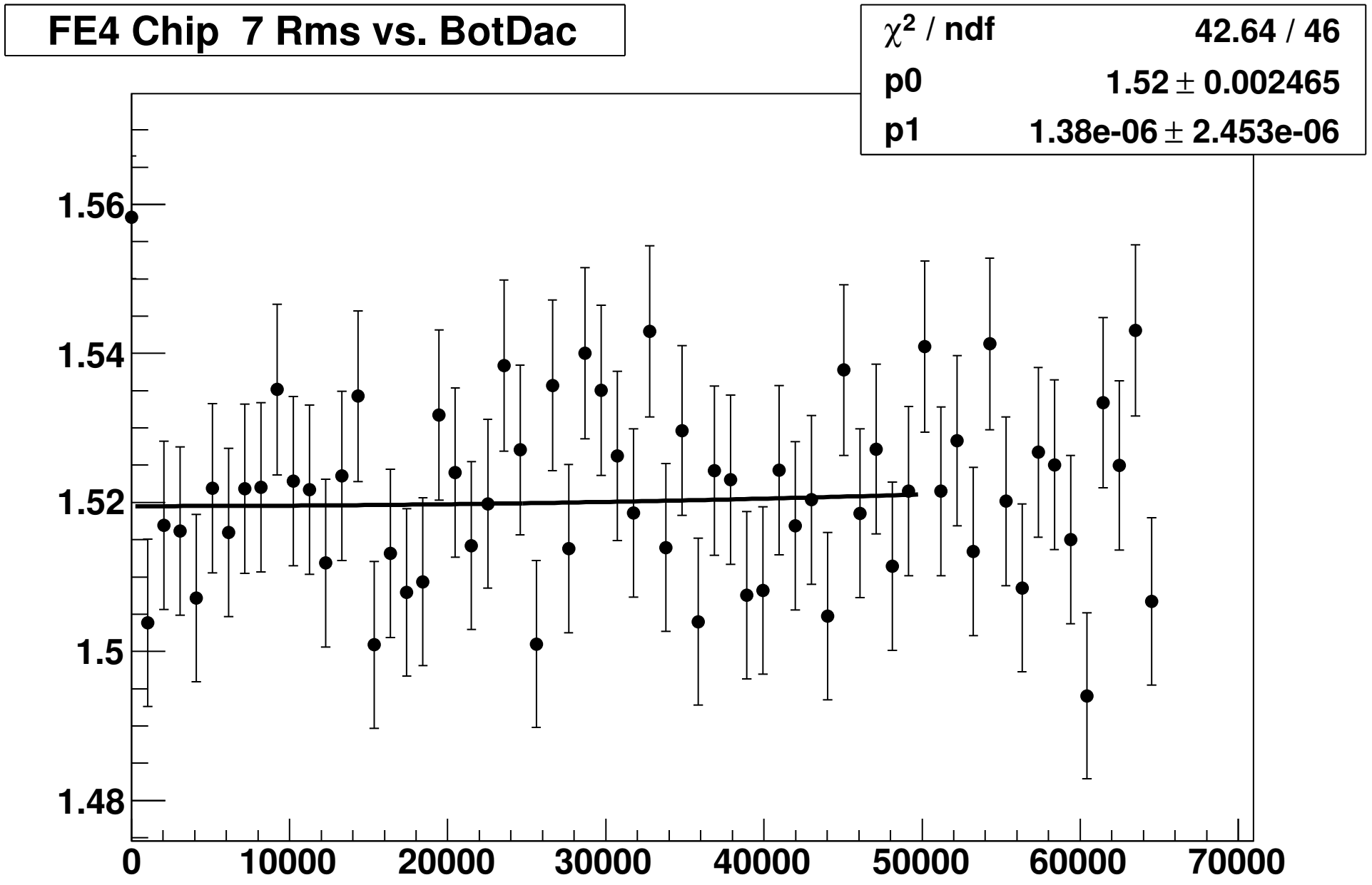
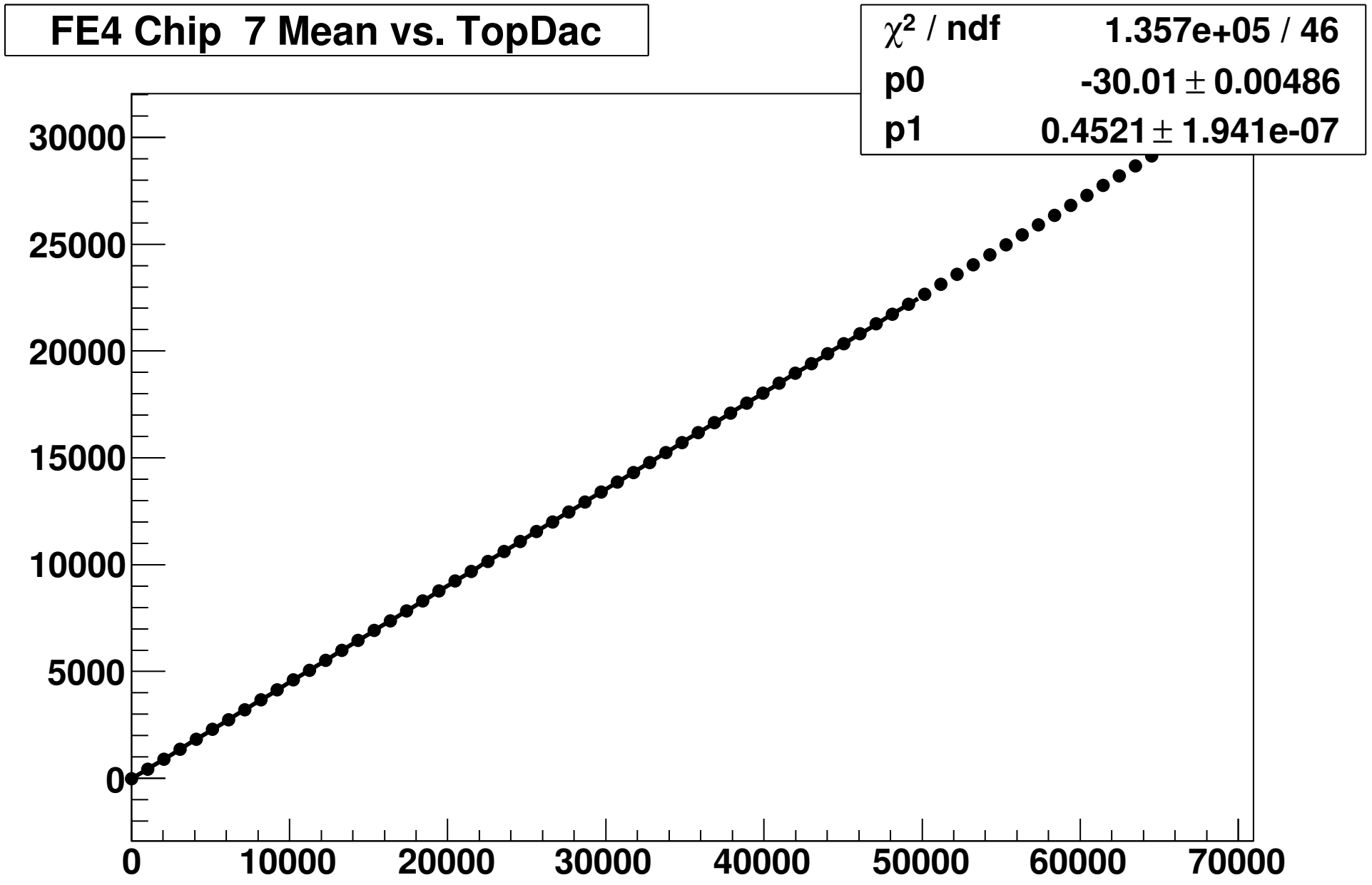
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1769 / 46
p0 1.398 ± 0.002673
p1 3.633e-05 ± 1.416e-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 7 Mean vs. BotDac
χ² / ndf 318.8 / 46
p0 -28.68 ± 0.004691
p1 2.058e-06 ± 1.628e-07
-28.45
-28.5
-28.55
-28.6
-28.65
-28.7
-28.75
-28.8
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 42.64 / 46
p0 1.52 ± 0.002465
p1 1.38e-06 ± 2.453e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.357e+05 / 46
p0 -30.01 ± 0.00486
p1 0.4521 ± 1.941e-07
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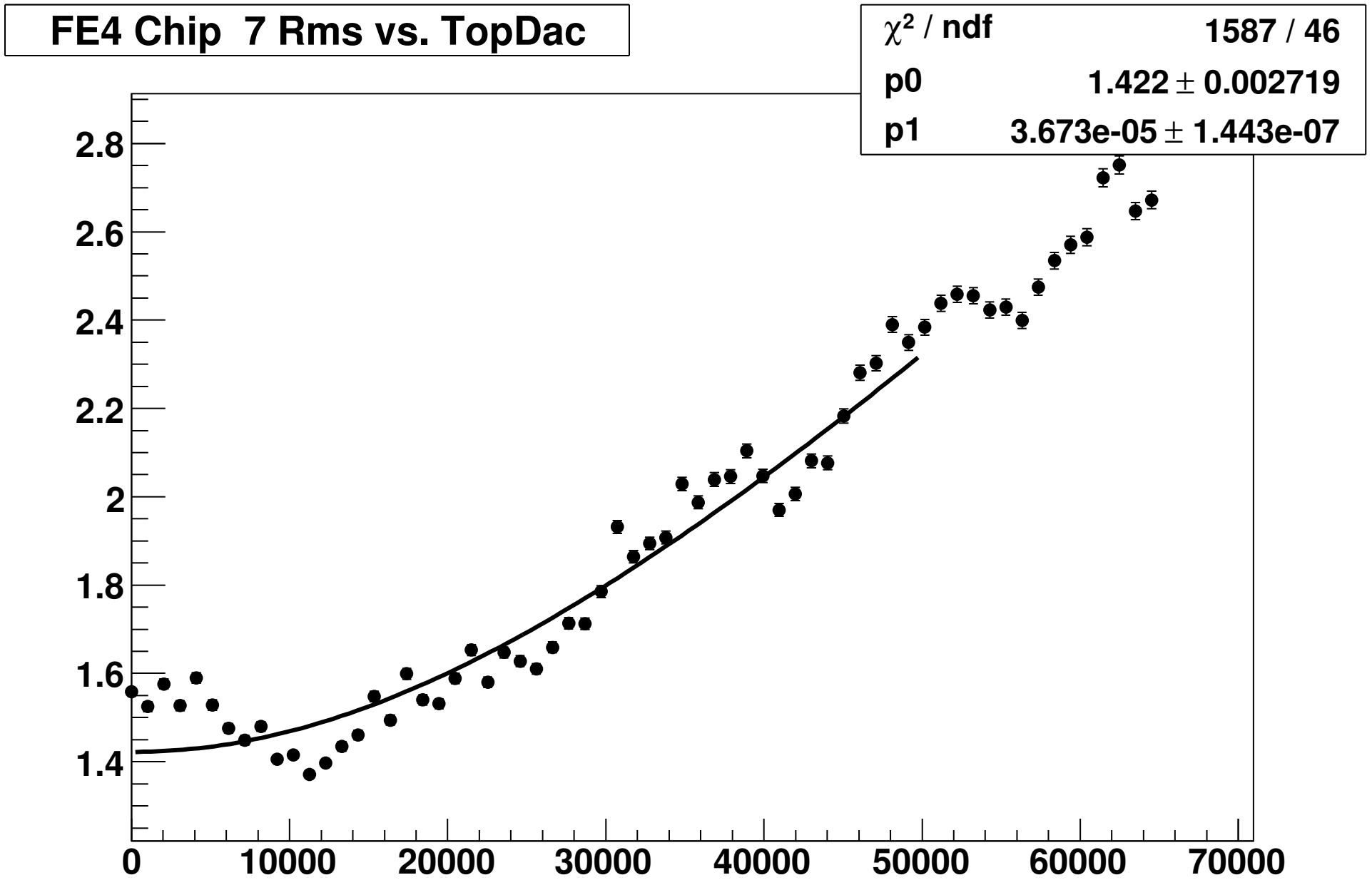
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1587 / 46
p0 1.422 ± 0.002719
p1 3.673e-05 ± 1.443e-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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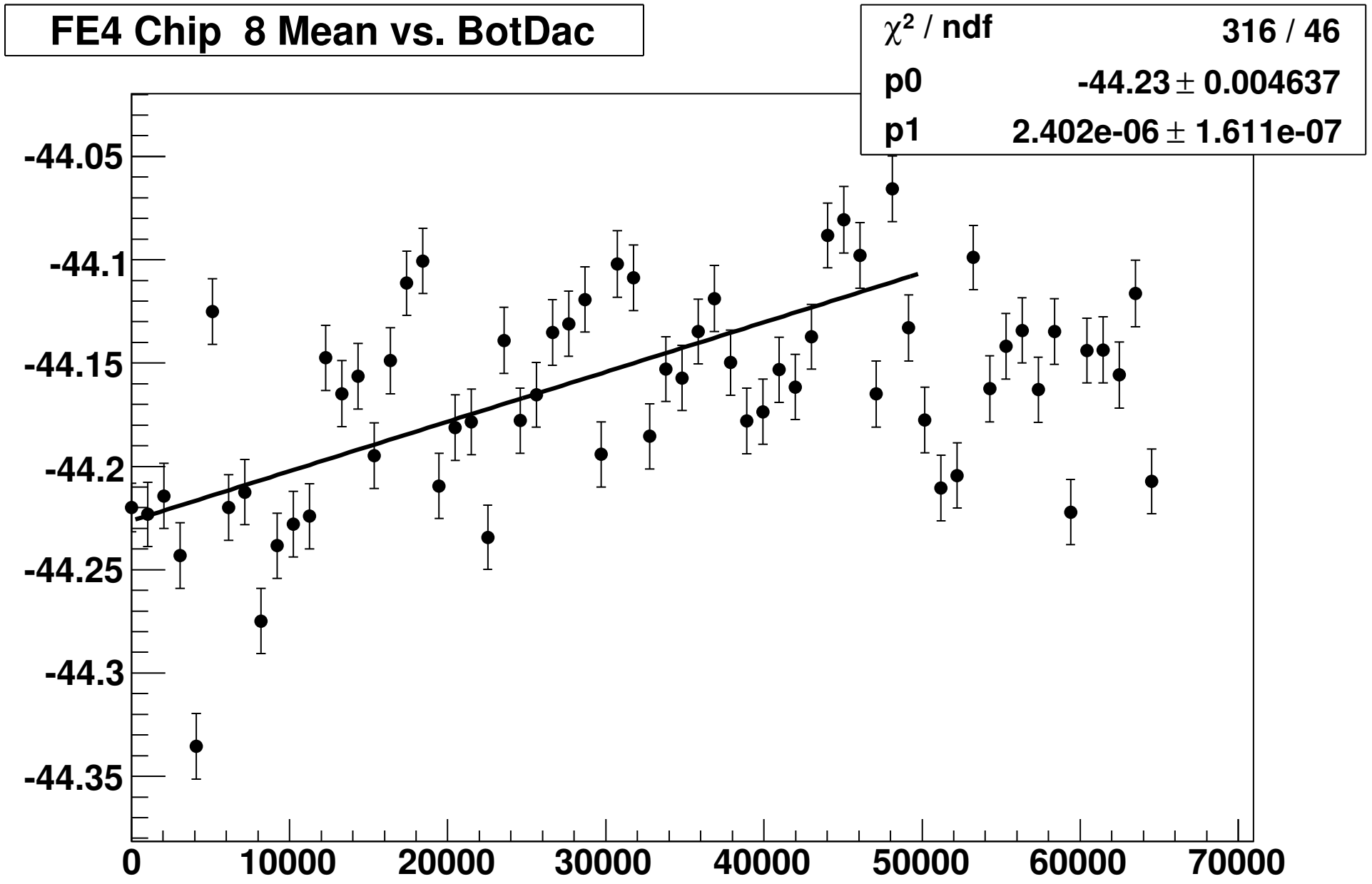
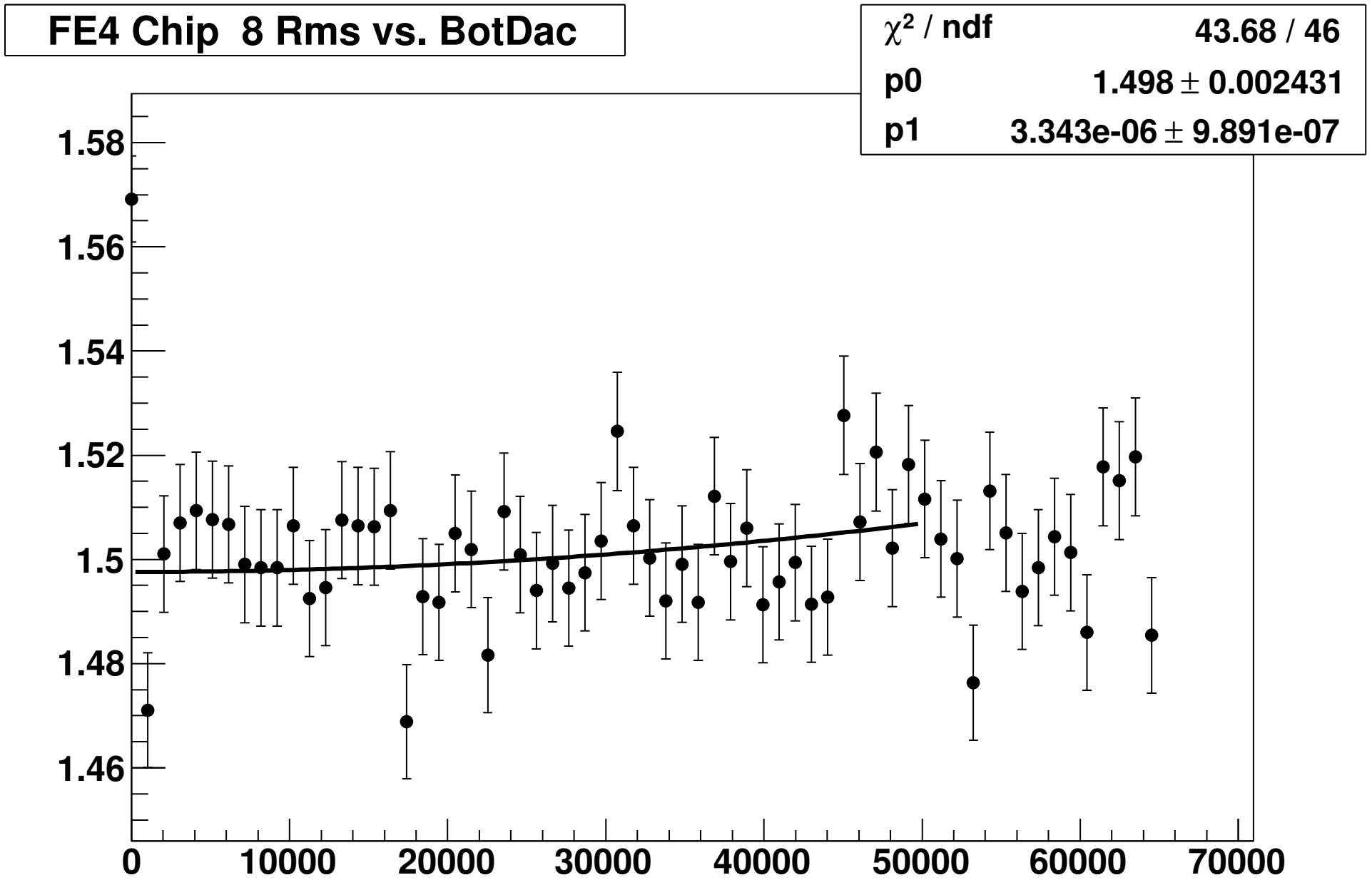

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 316 / 46
p0 -44.23 ± 0.004637
p1 2.402e-06 ± 1.611e-07
-44.05
-44.1
-44.15
-44.2
-44.25
-44.3
-44.35
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 43.68 / 46
p0 1.498 ± 0.002431
p1 3.343e-06 ± 9.891e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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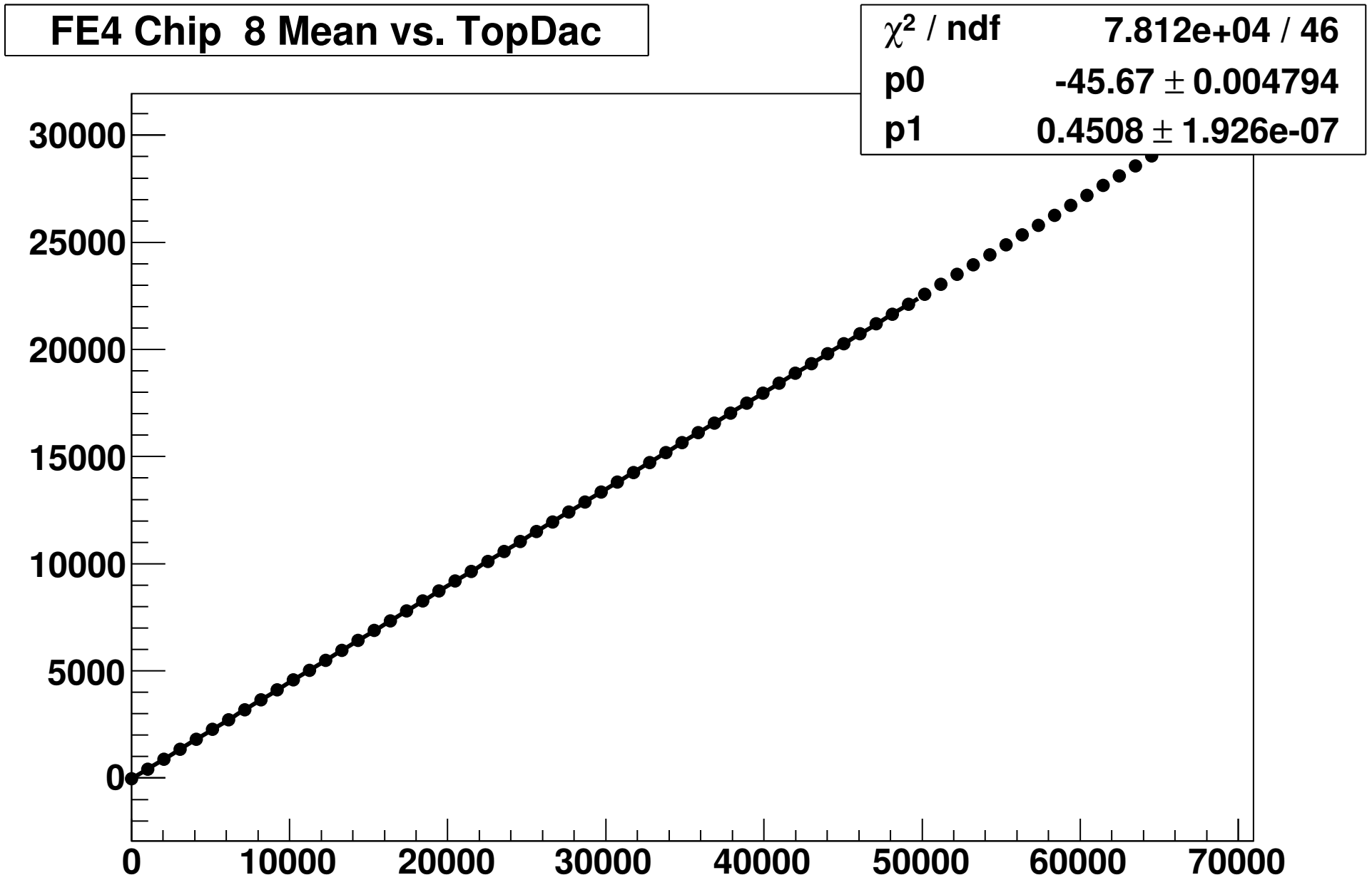
50000
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 7.812e+04 / 46
p0 -45.67 ± 0.004794
p1 0.4508 ± 1.926e-07
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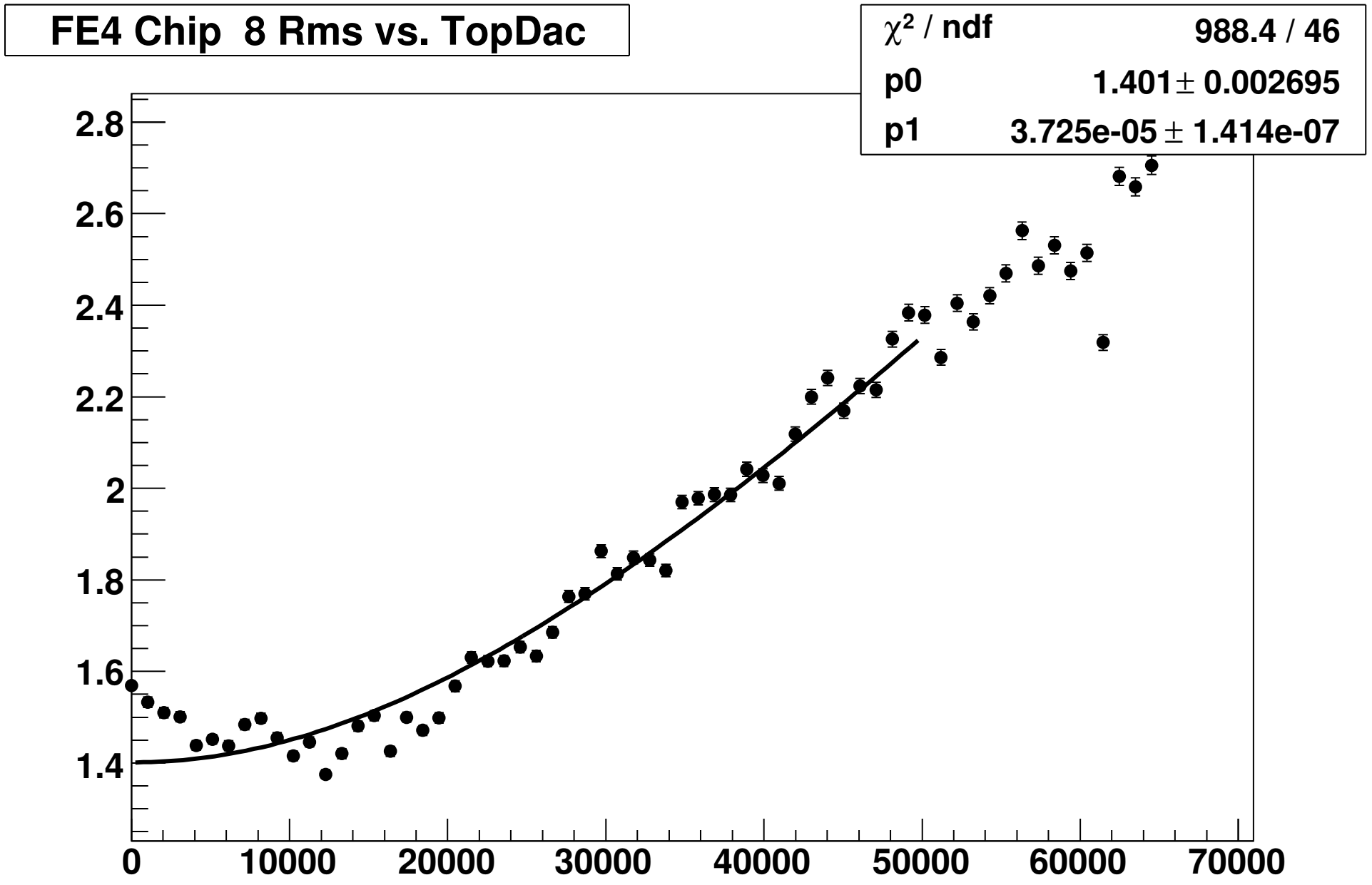
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 988.4 / 46
p0 1.401 ± 0.002695
p1 3.725e-05 ± 1.414e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
60000
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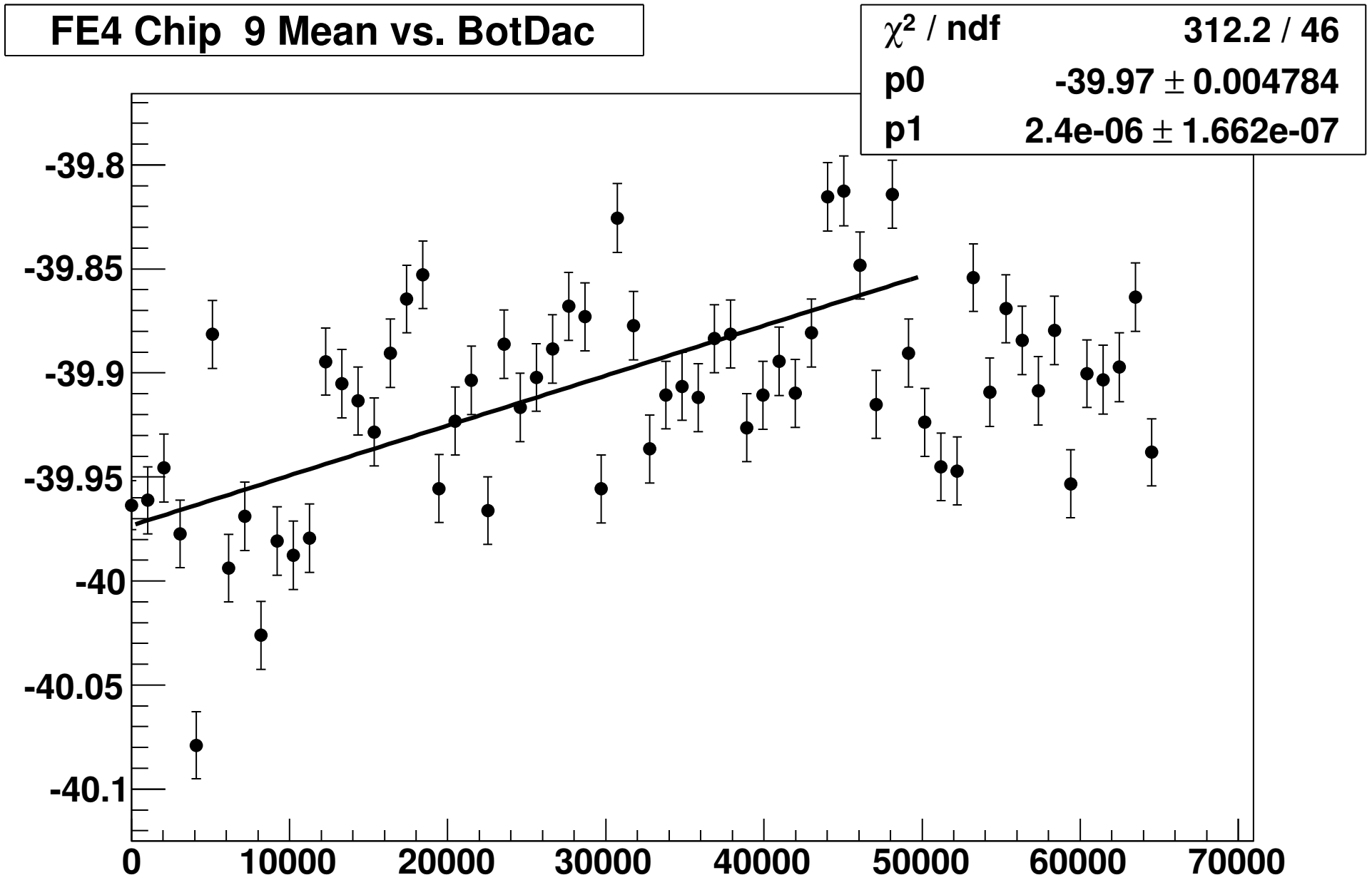
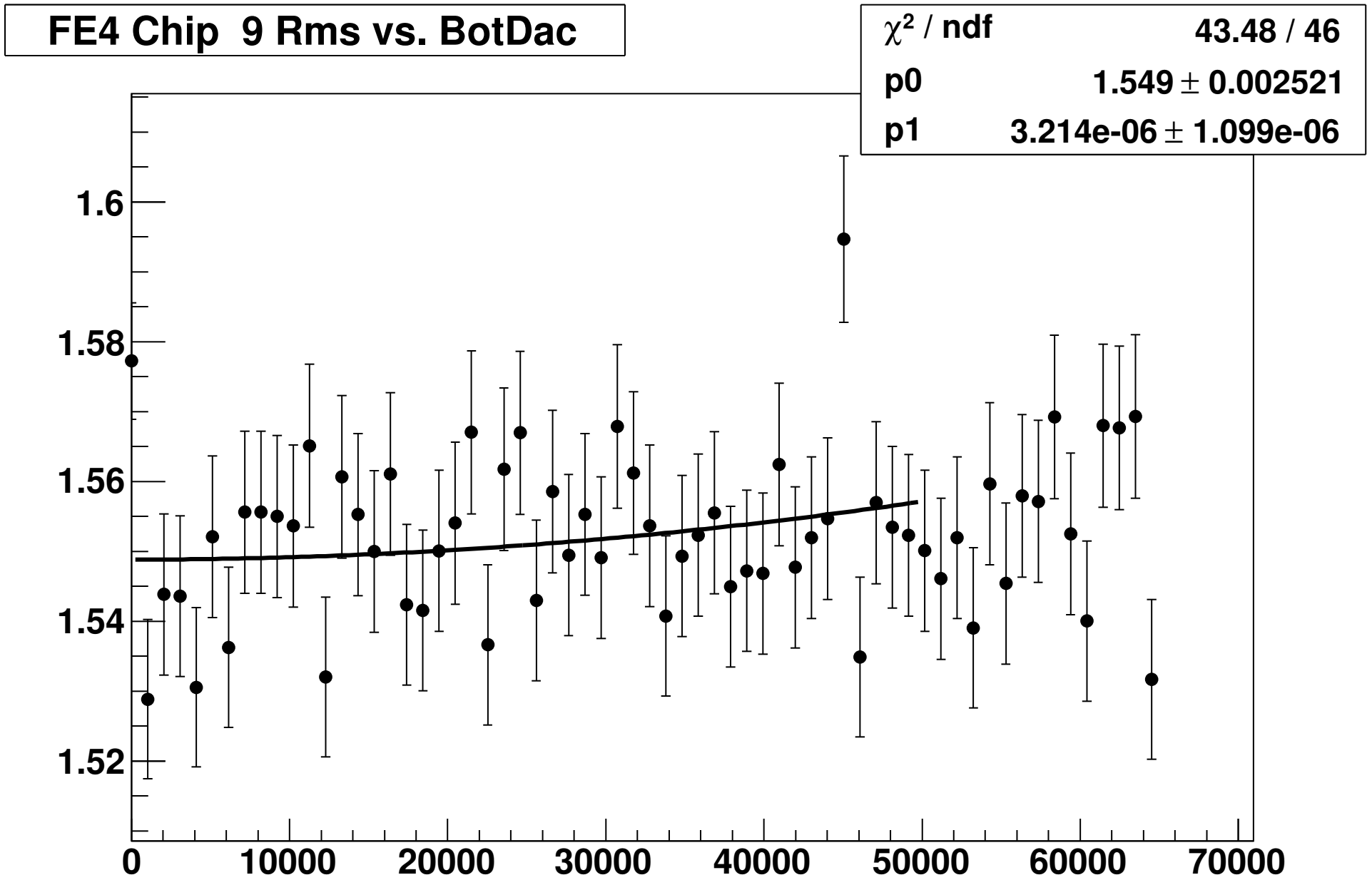

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 312.2 / 46
p0 -39.97 ± 0.004784
p1 2.4e-06 ± 1.662e-07
-39.8
-39.85
-39.9
-39.95
-40
-40.05
-40.1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 43.48 / 46
p0 1.549 ± 0.002521
p1 3.214e-06 ± 1.099e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
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60000
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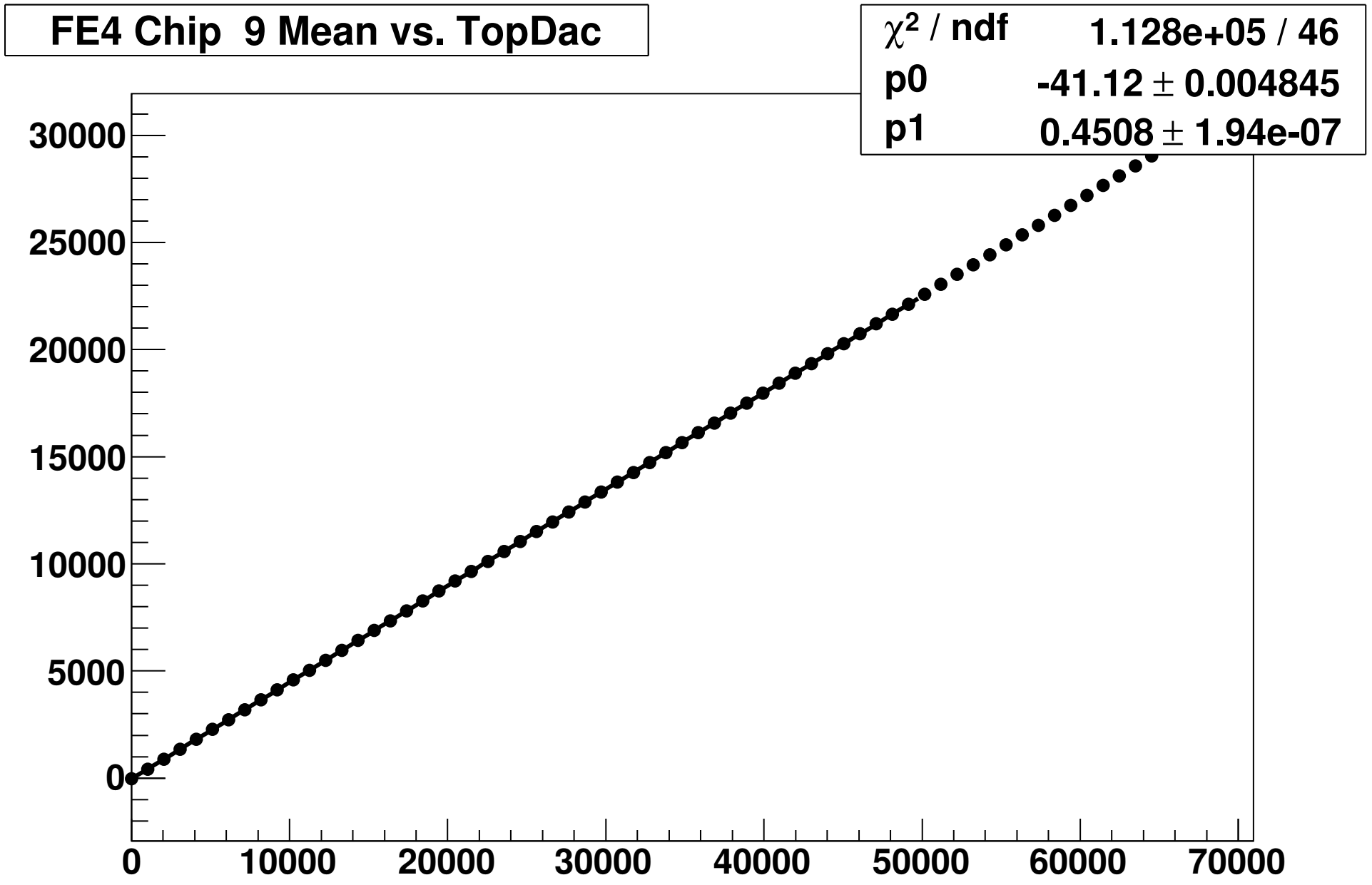
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 1.128e+05 / 46
p0 -41.12 ± 0.004845
p1 0.4508 ± 1.94e-07
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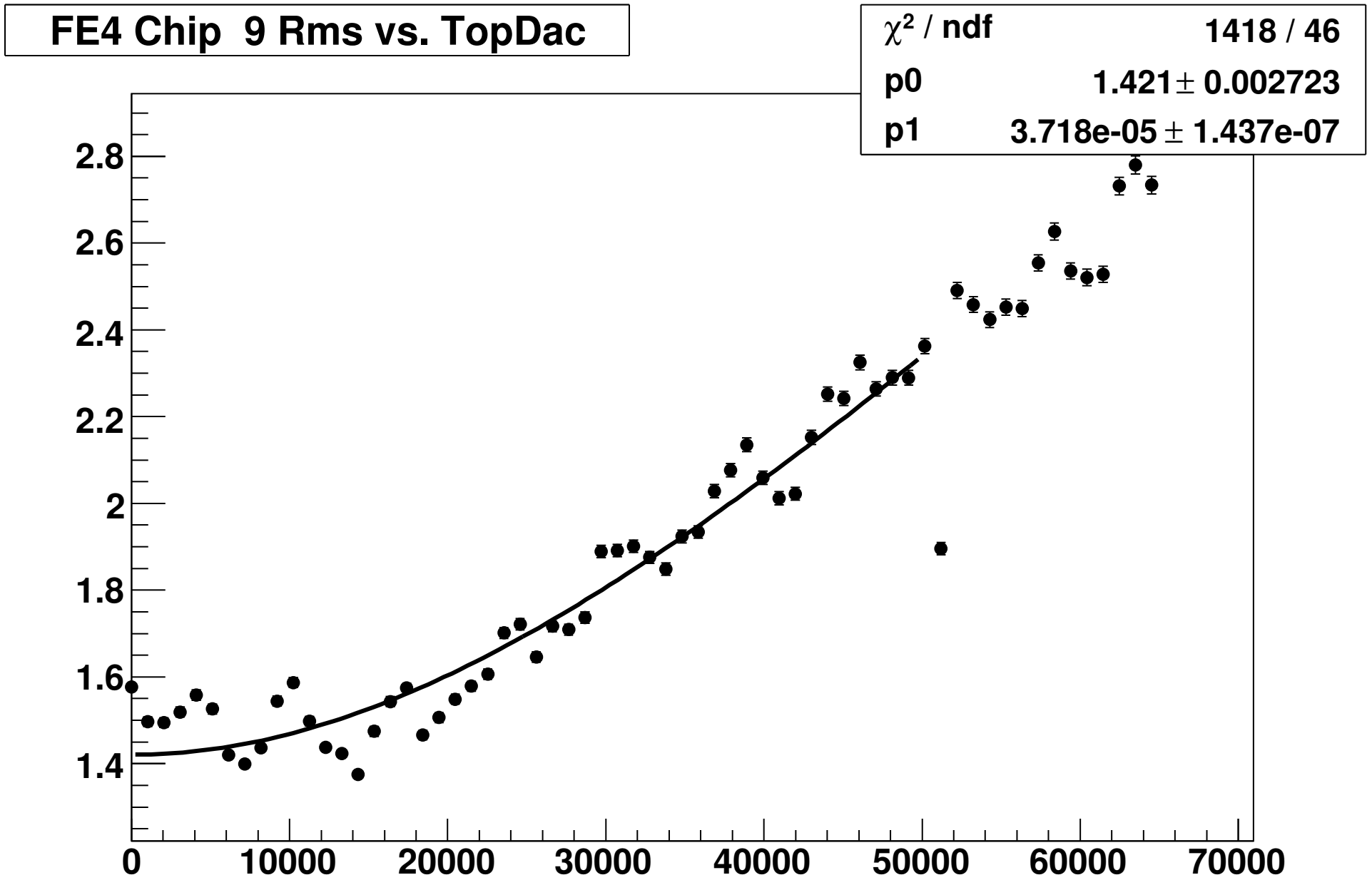
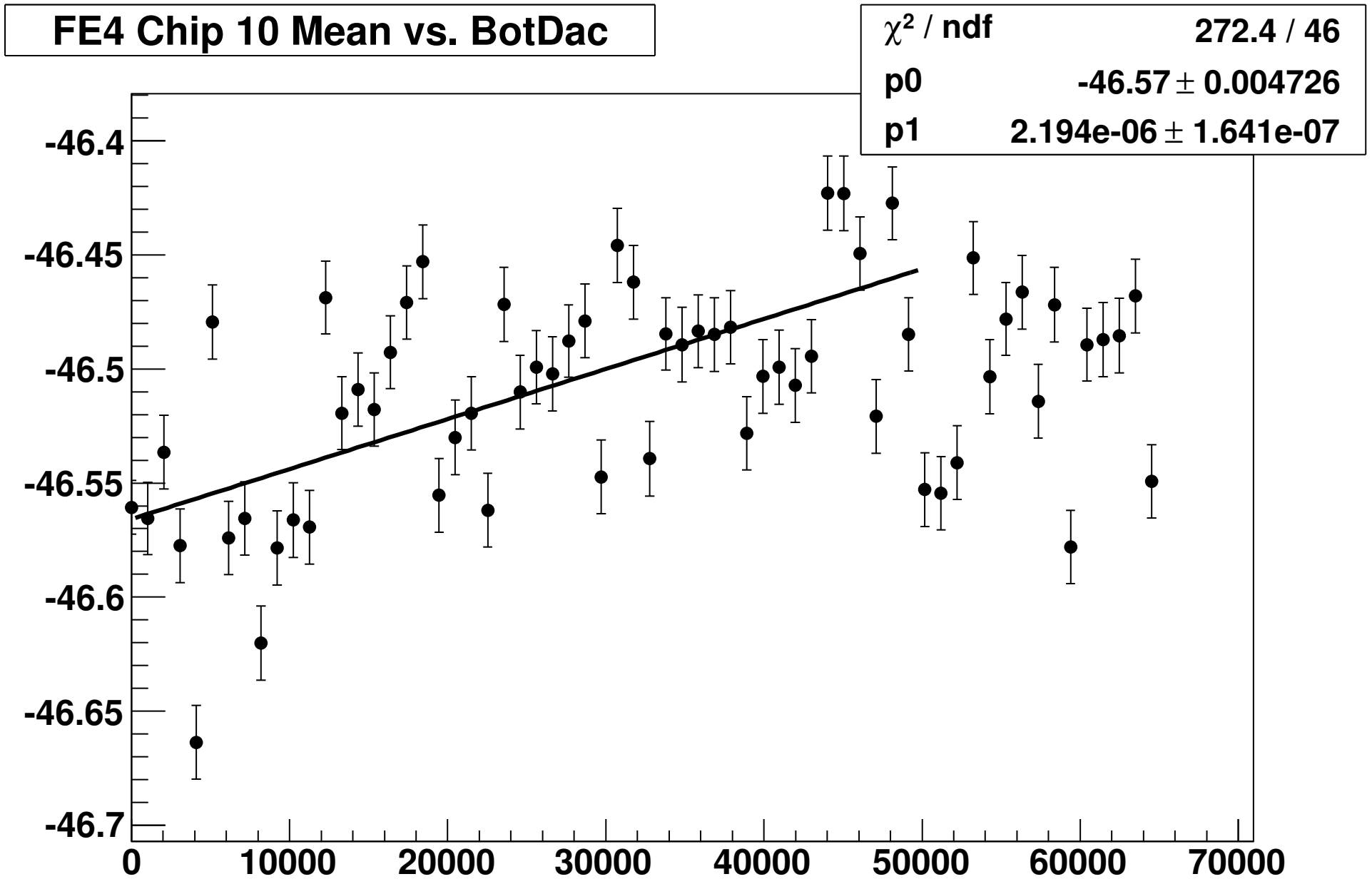
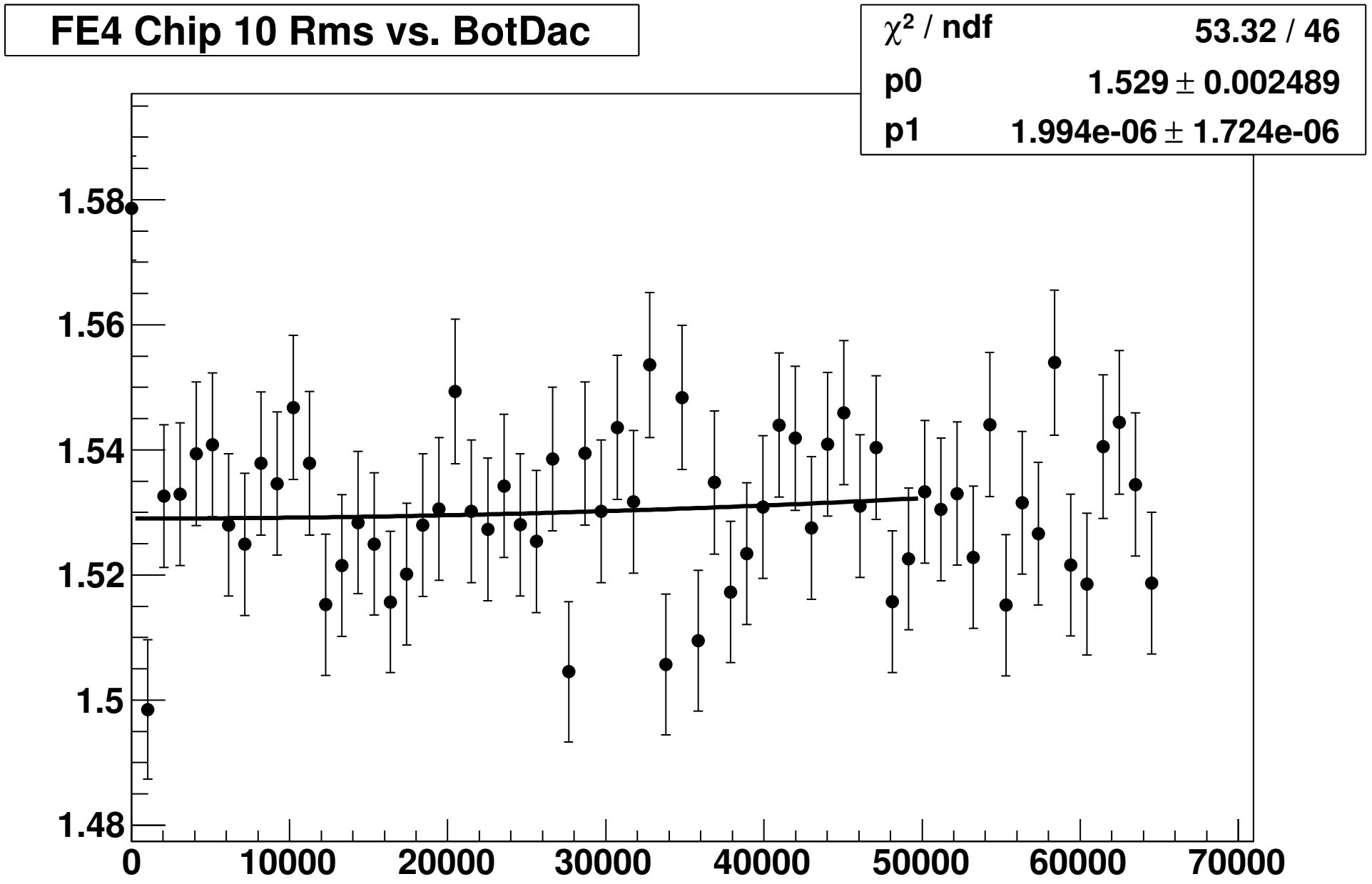
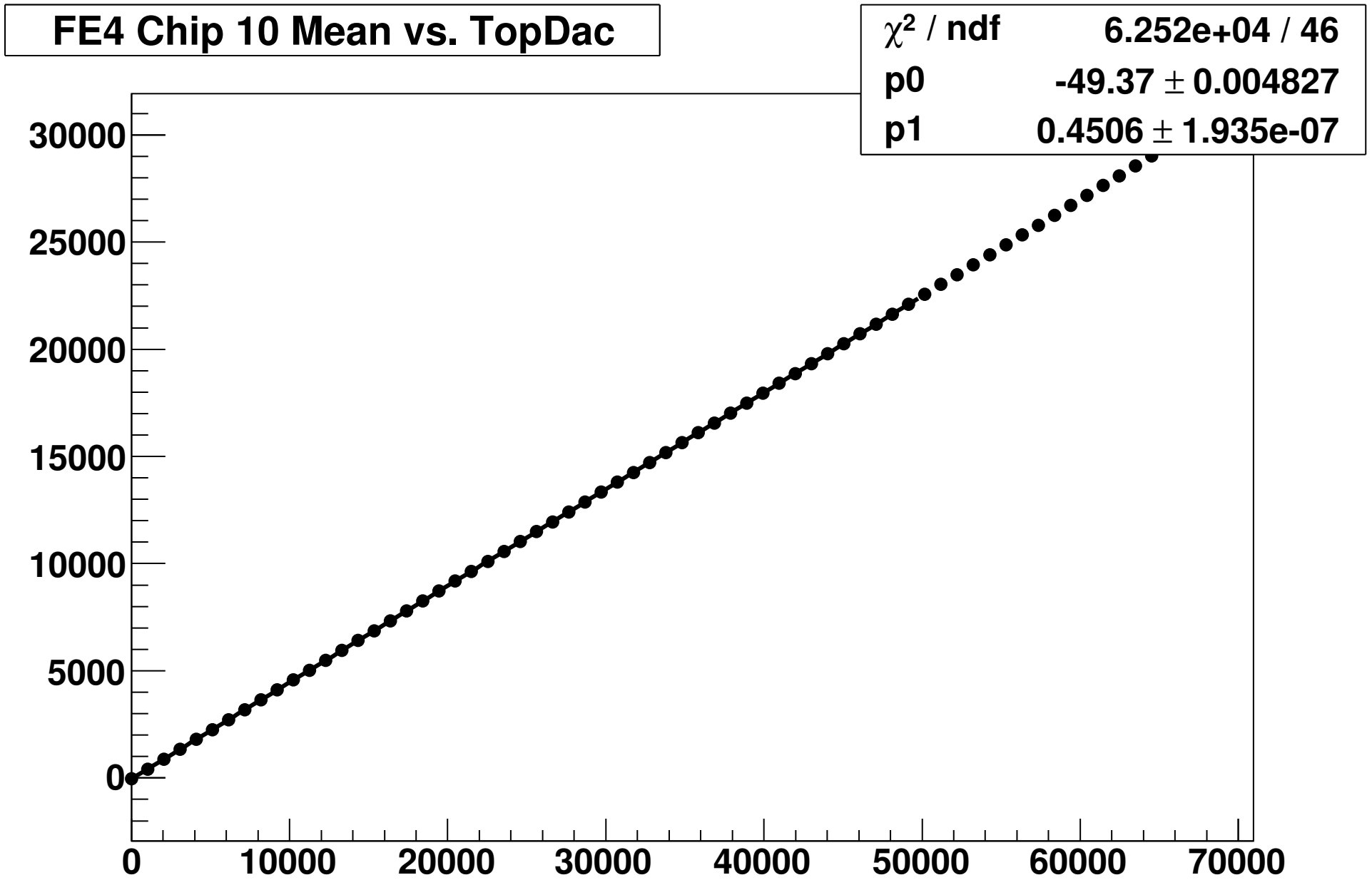
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1418 / 46
p0 1.421 ± 0.002723
p1 3.718e-05 ± 1.437e-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 10 Mean vs. BotDac
χ² / ndf 272.4 / 46
p0 -46.57 ± 0.004726
p1 2.194e-06 ± 1.641e-07
-46.4
-46.45
-46.5
-46.55
-46.6
-46.65
-46.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 53.32 / 46
p0 1.529 ± 0.002489
p1 1.994e-06 ± 1.724e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 6.252e+04 / 46
p0 -49.37 ± 0.004827
p1 0.4506 ± 1.935e-07
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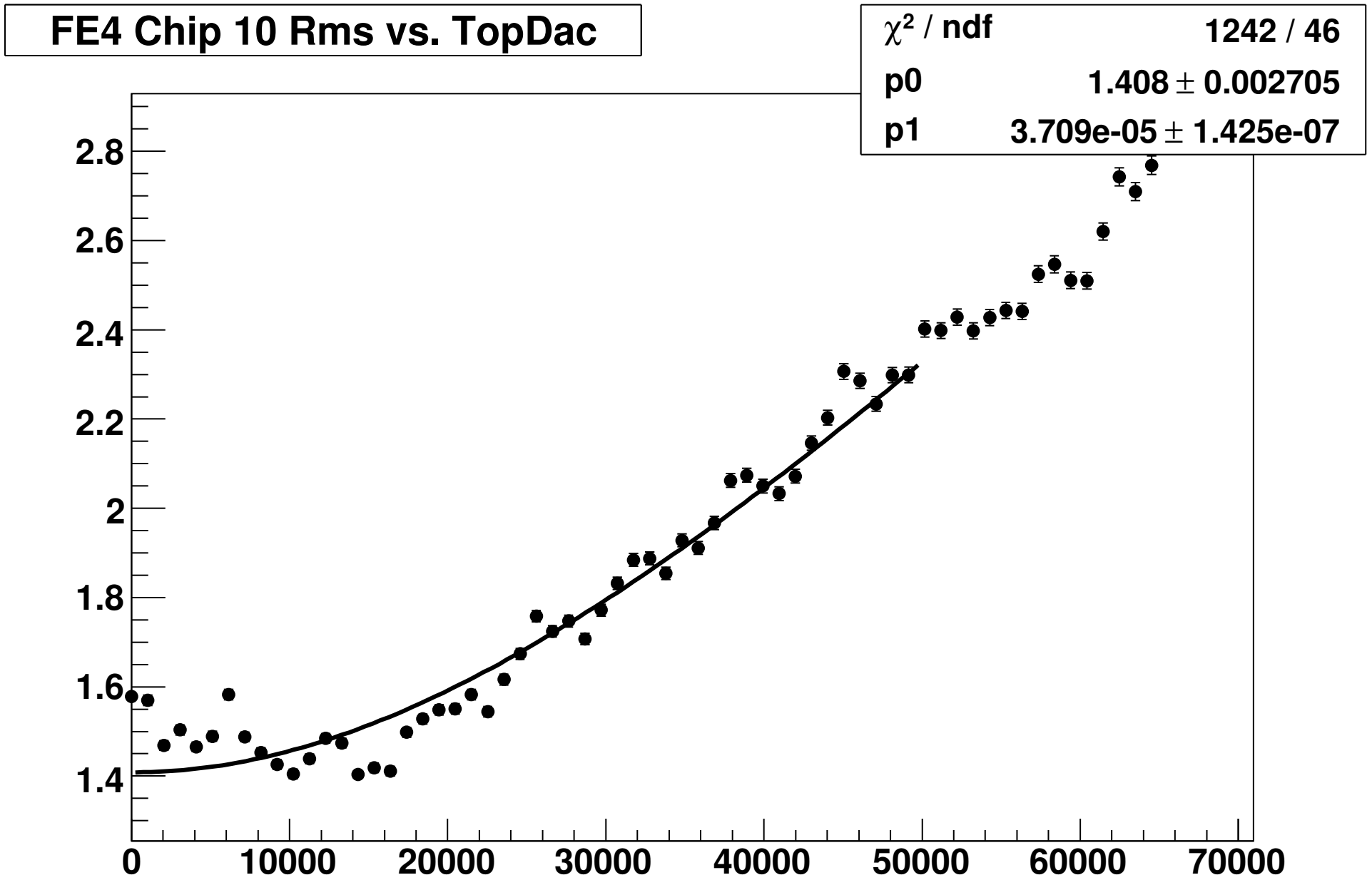
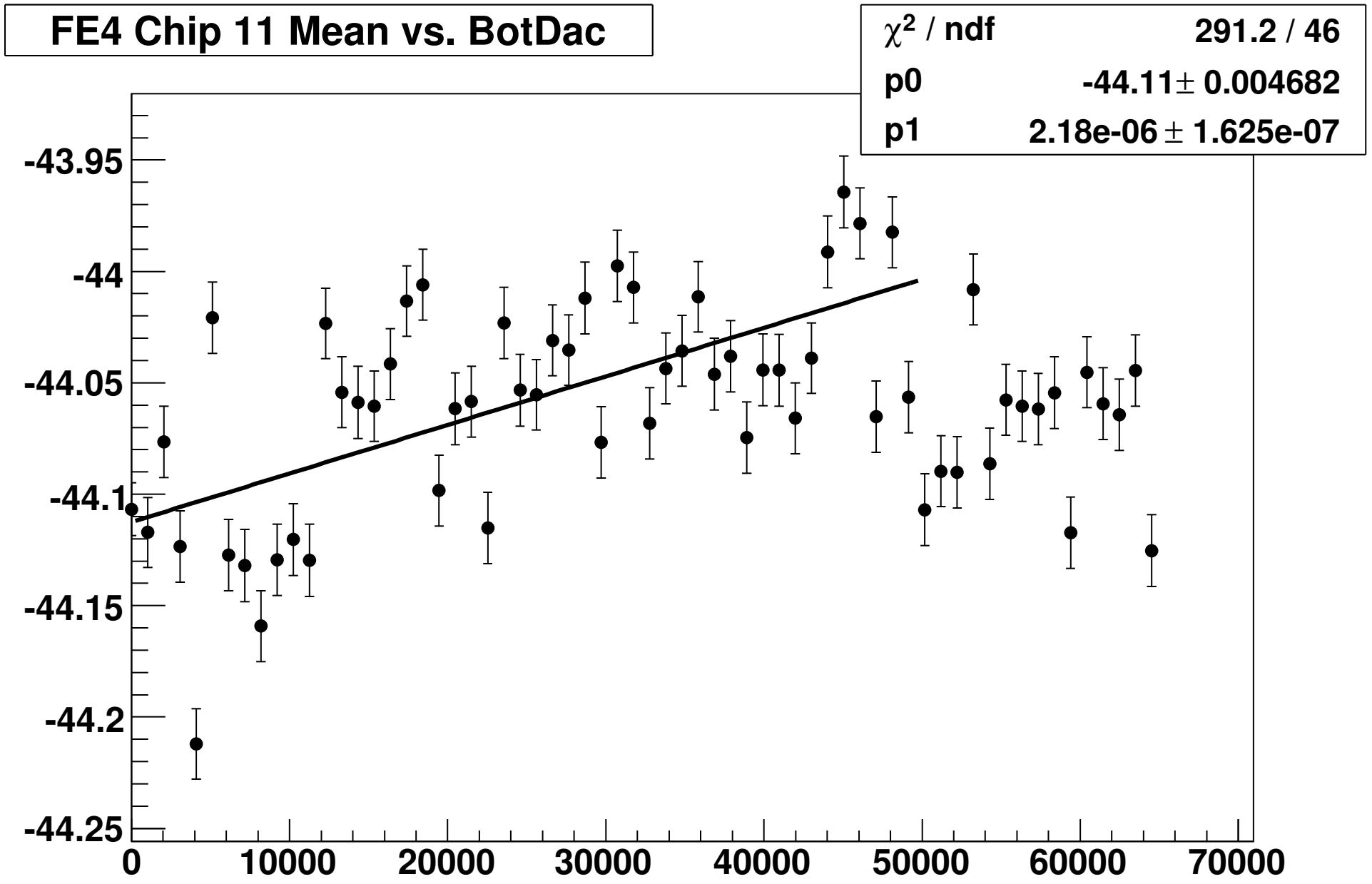
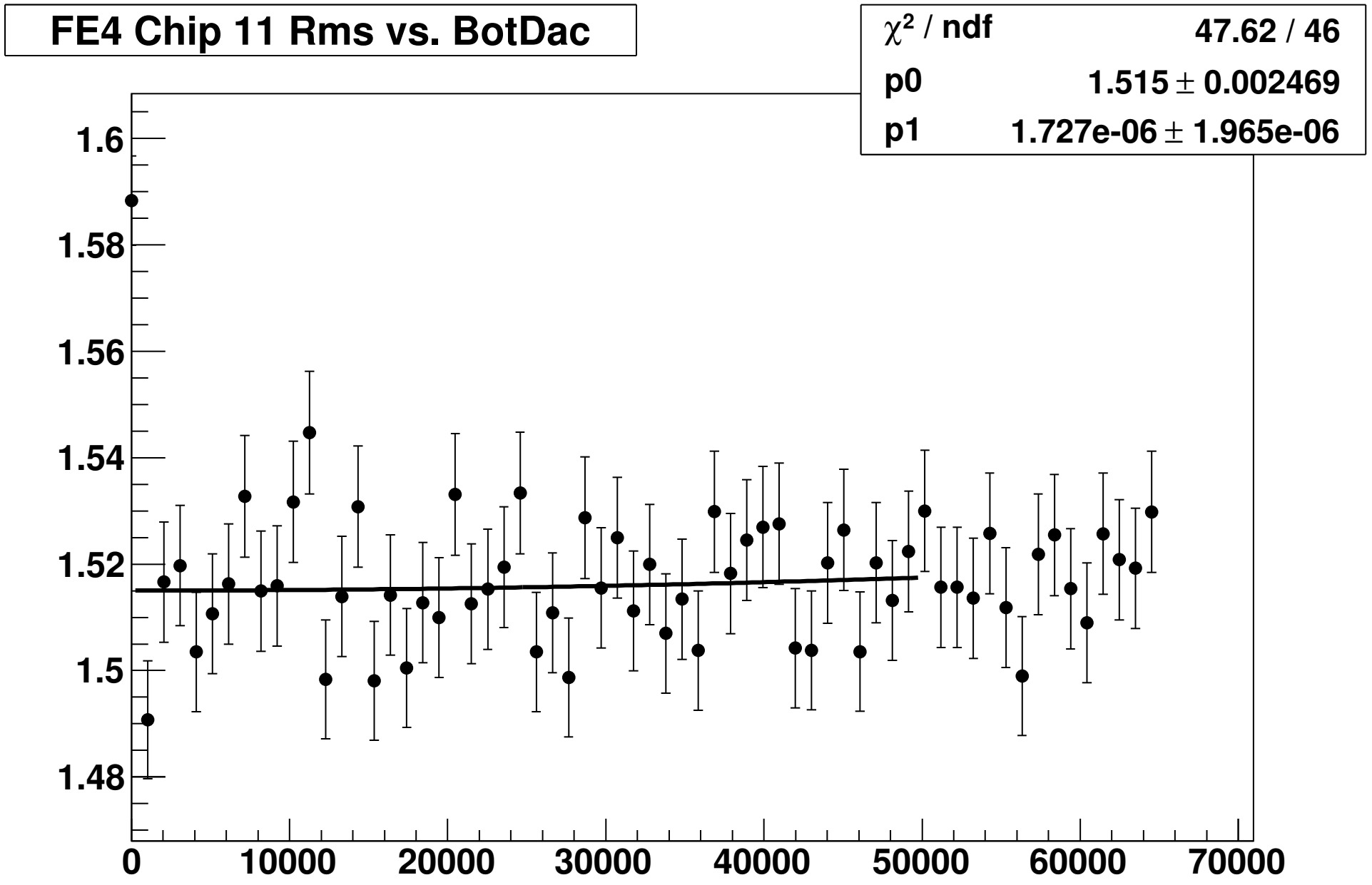
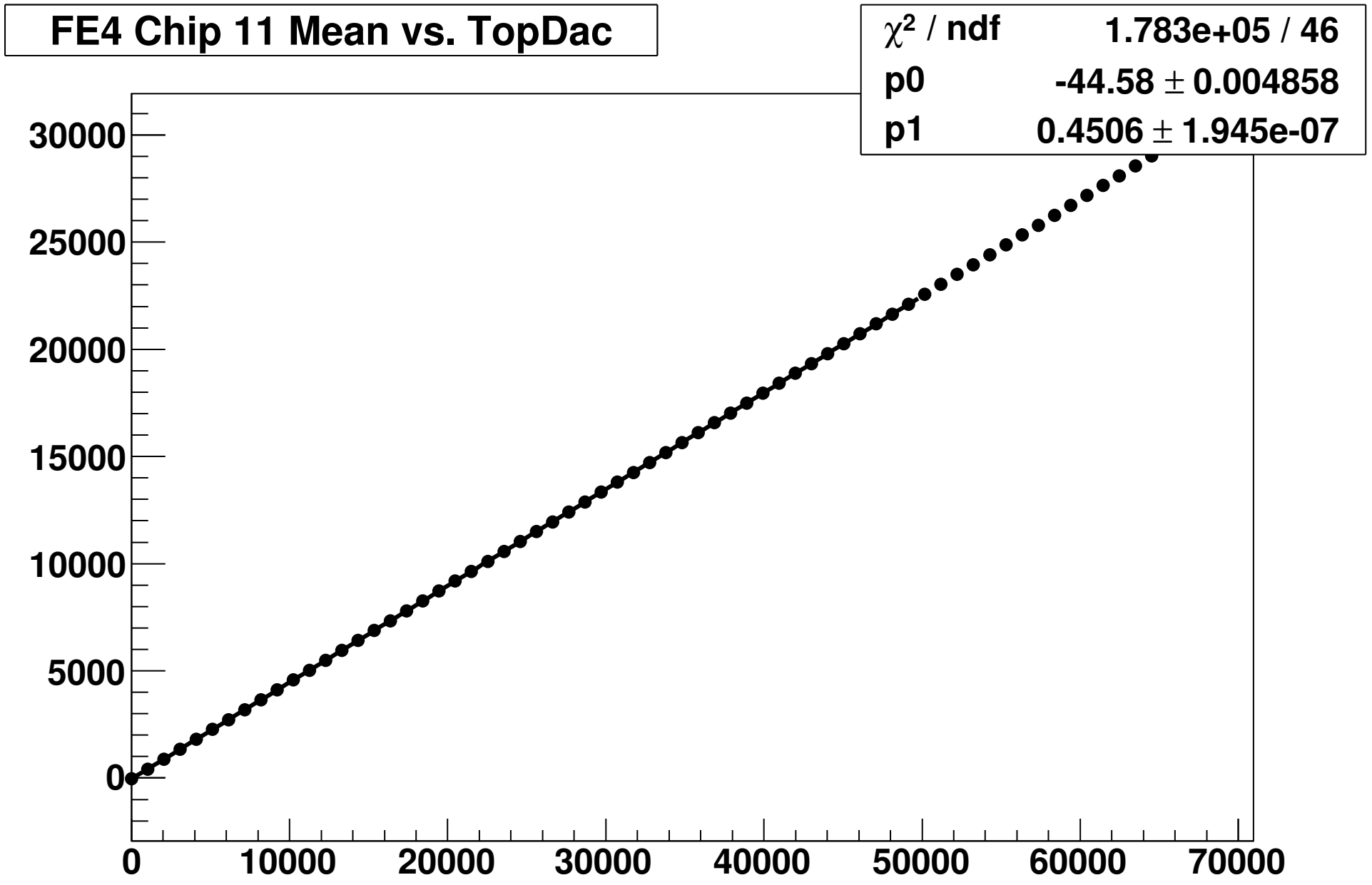
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1242 / 46
p0 1.408 ± 0.002705
p1 3.709e-05 ± 1.425e-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 11 Mean vs. BotDac
χ² / ndf 291.2 / 46
p0 -44.11 ± 0.004682
p1 2.18e-06 ± 1.625e-07
-43.95
-44
-44.05
-44.1
-44.15
-44.2
-44.25
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 47.62 / 46
p0 1.515 ± 0.002469
p1 1.727e-06 ± 1.965e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.783e+05 / 46
p0 -44.58 ± 0.004858
p1 0.4506 ± 1.945e-07
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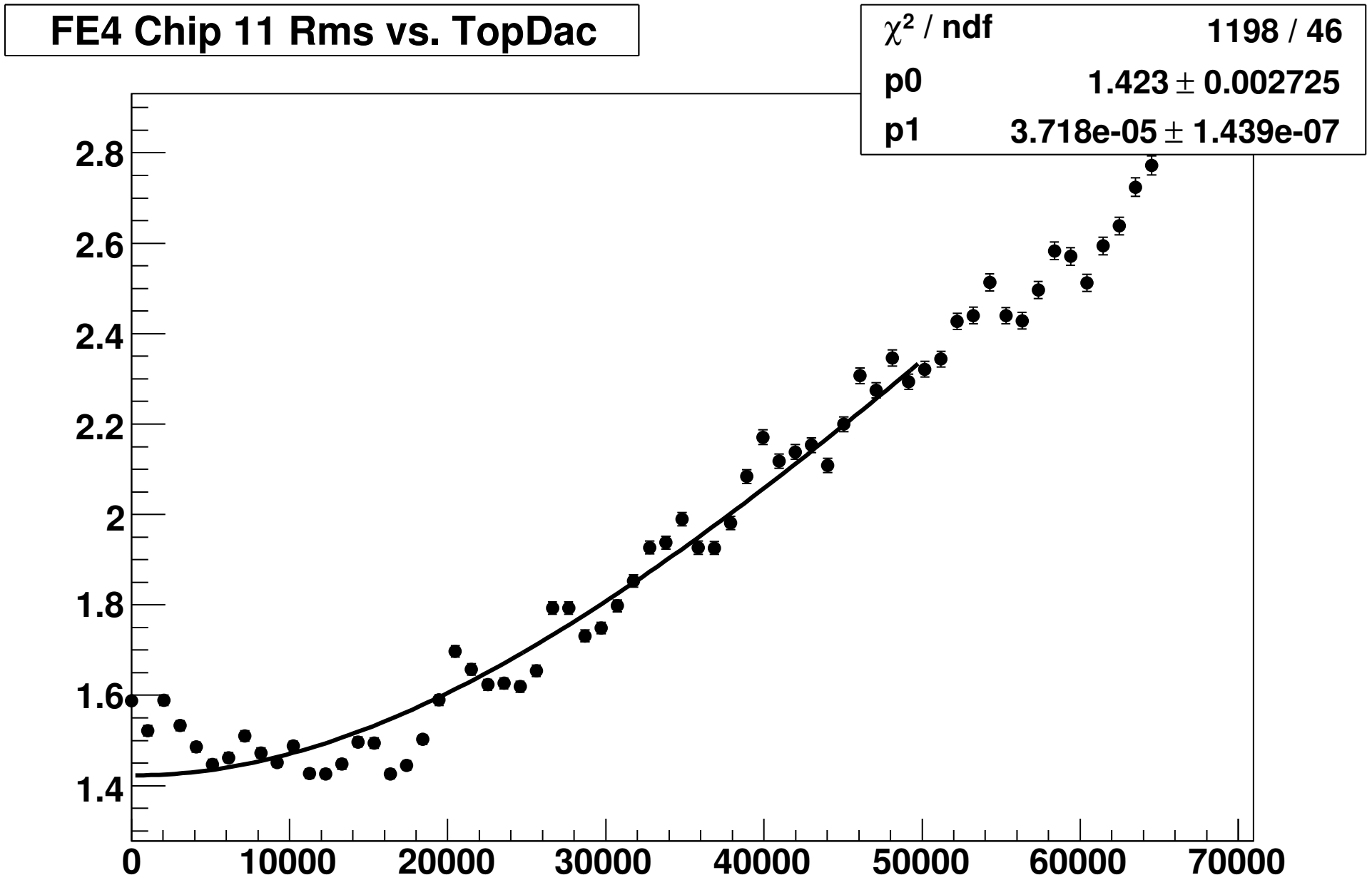
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1198 / 46
p0 1.423 ± 0.002725
p1 3.718e-05 ± 1.439e-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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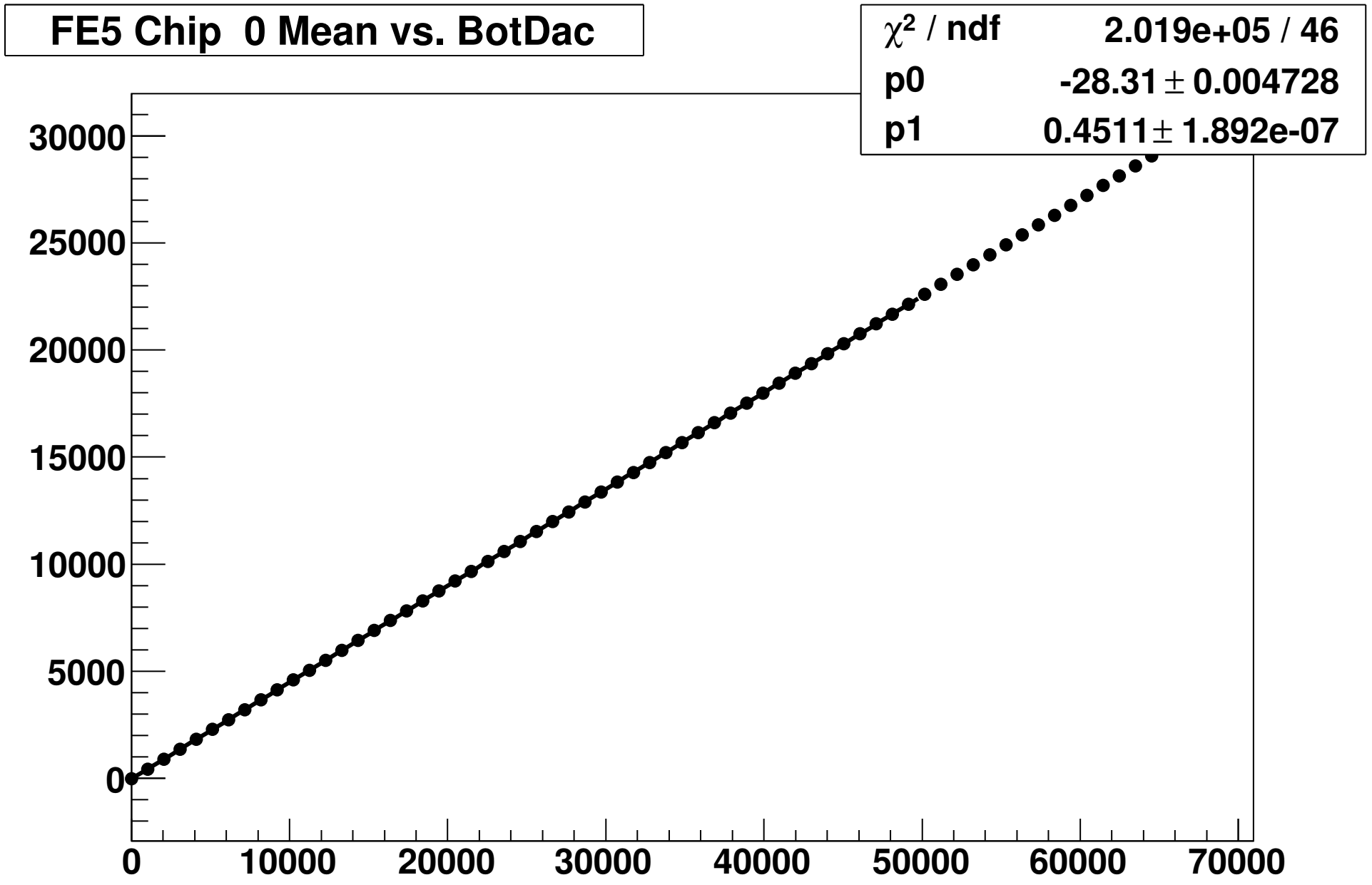
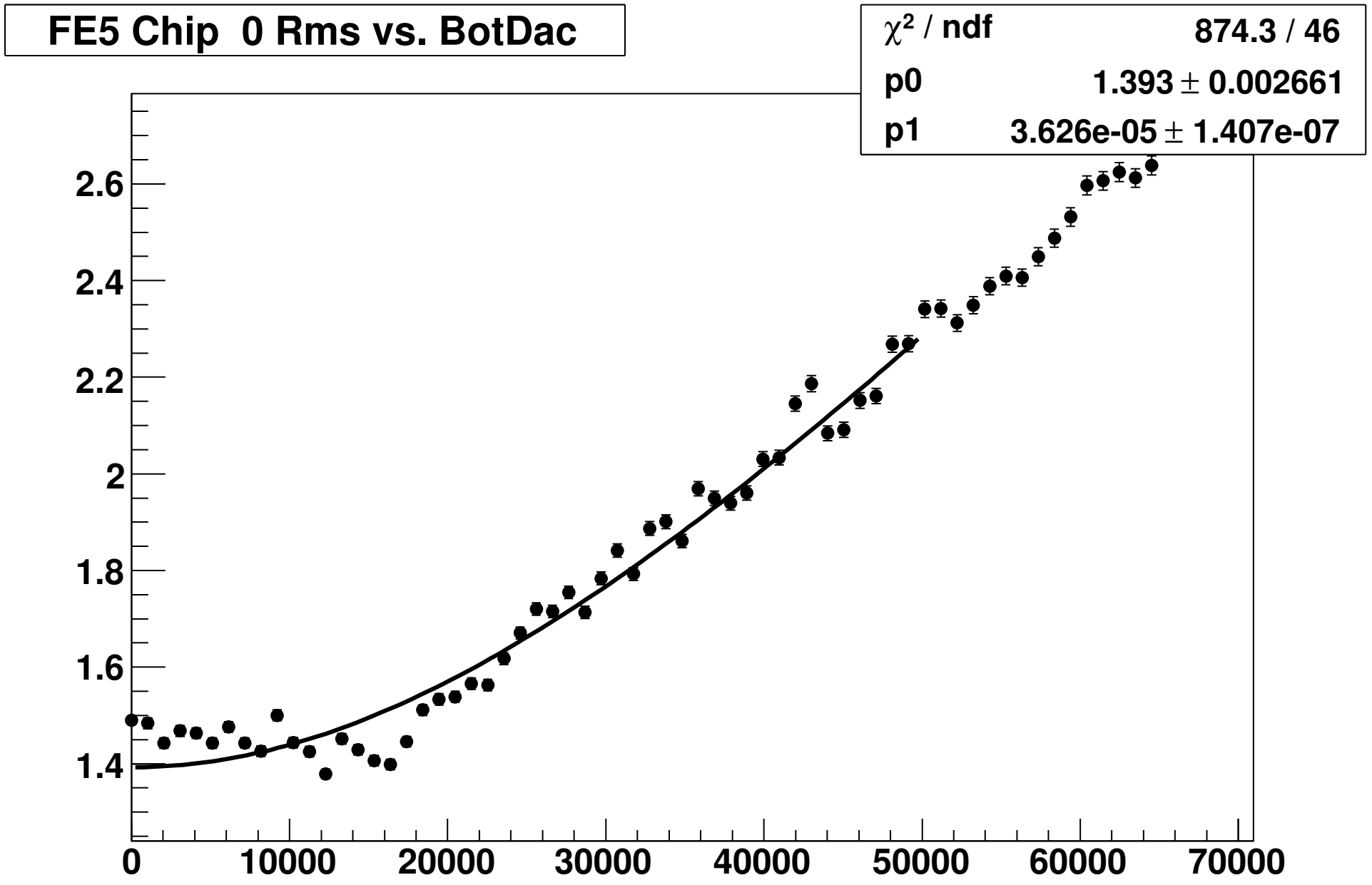
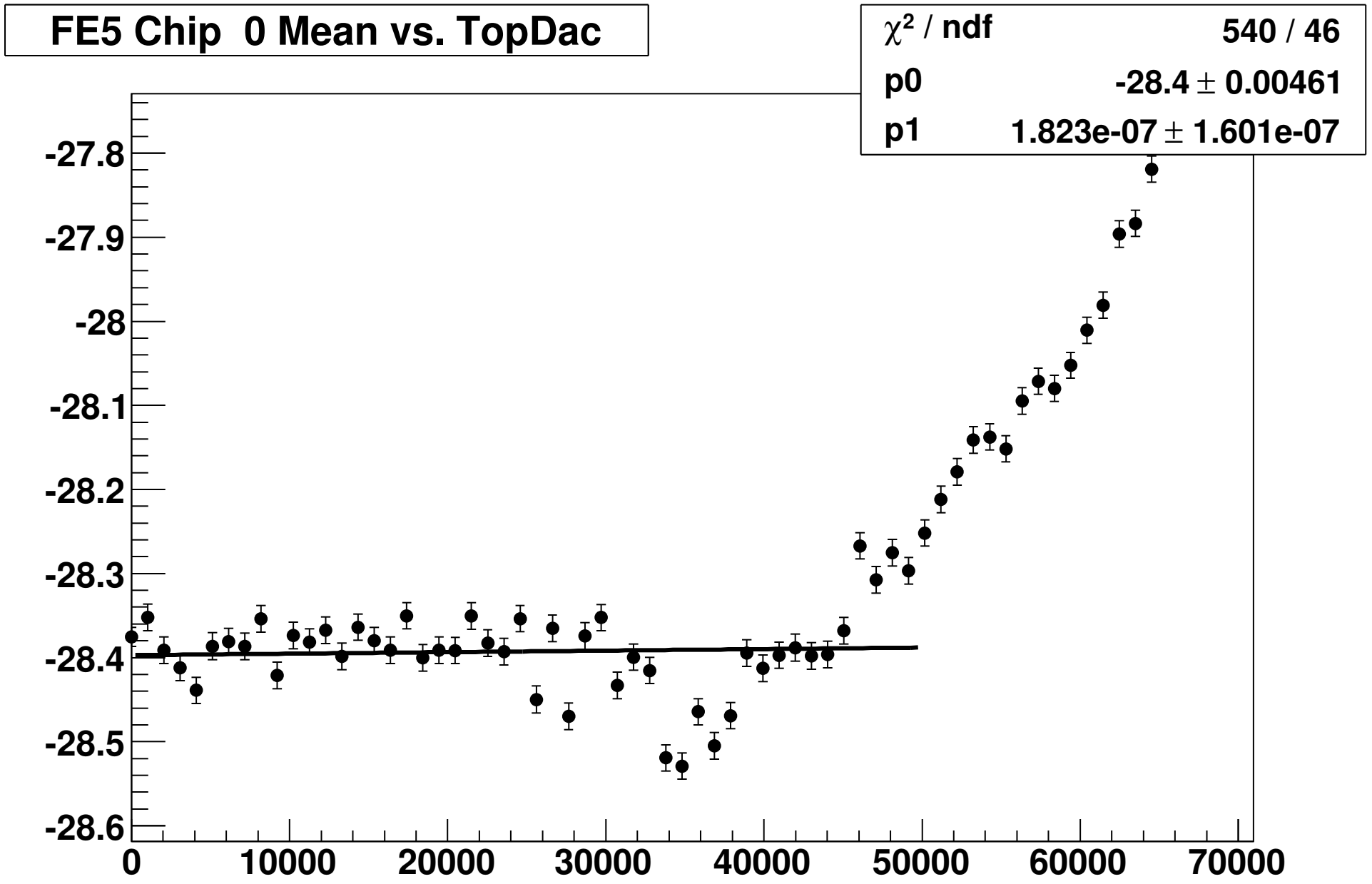

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 2.019e+05 / 46
p0 -28.31 ± 0.004728
p1 0.4511 ± 1.892e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 874.3 / 46
p0 1.393 ± 0.002661
p1 3.626e-05 ± 1.407e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 540 / 46
p0 -28.4 ± 0.00461
p1 1.823e-07 ± 1.601e-07
-27.8
-27.9
-28
-28.1
-28.2
-28.3
-28.4
-28.5
-28.6
0
10000
20000
30000
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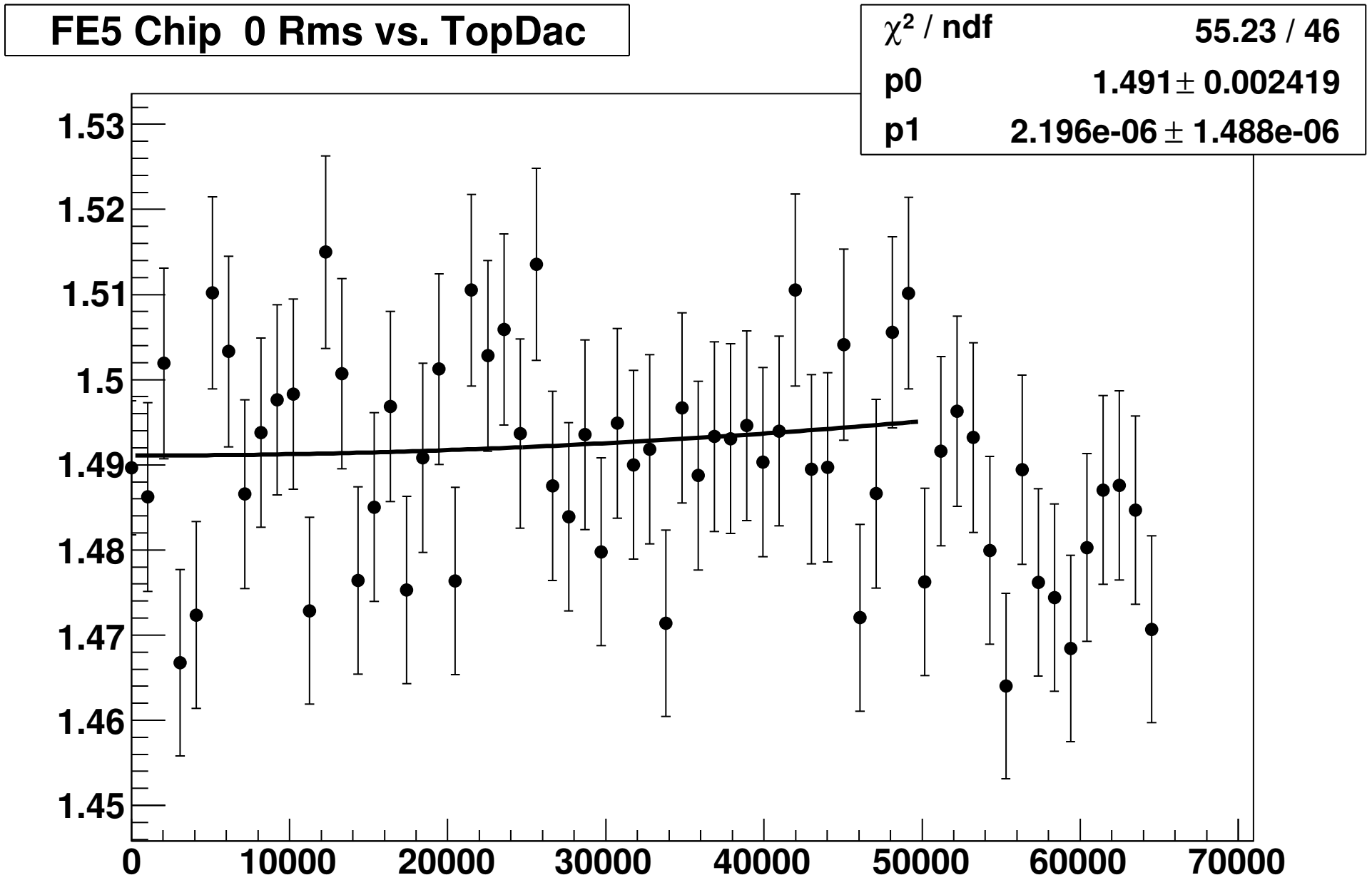
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 55.23 / 46
p0 1.491 ± 0.002419
p1 2.196e-06 ± 1.488e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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50000
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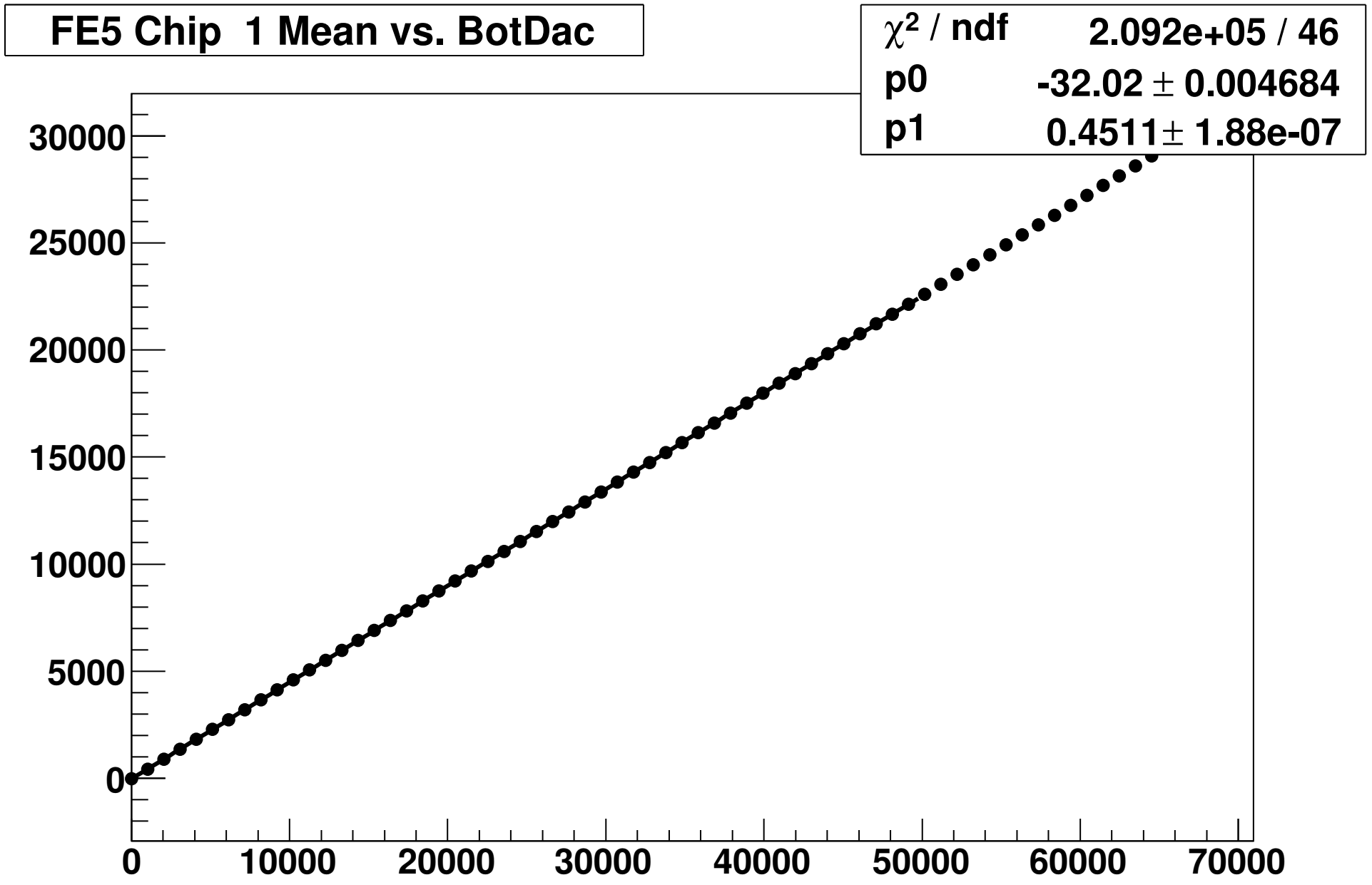
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 2.092e+05 / 46
p0 -32.02 ± 0.004684
p1 0.4511 ± 1.88e-07
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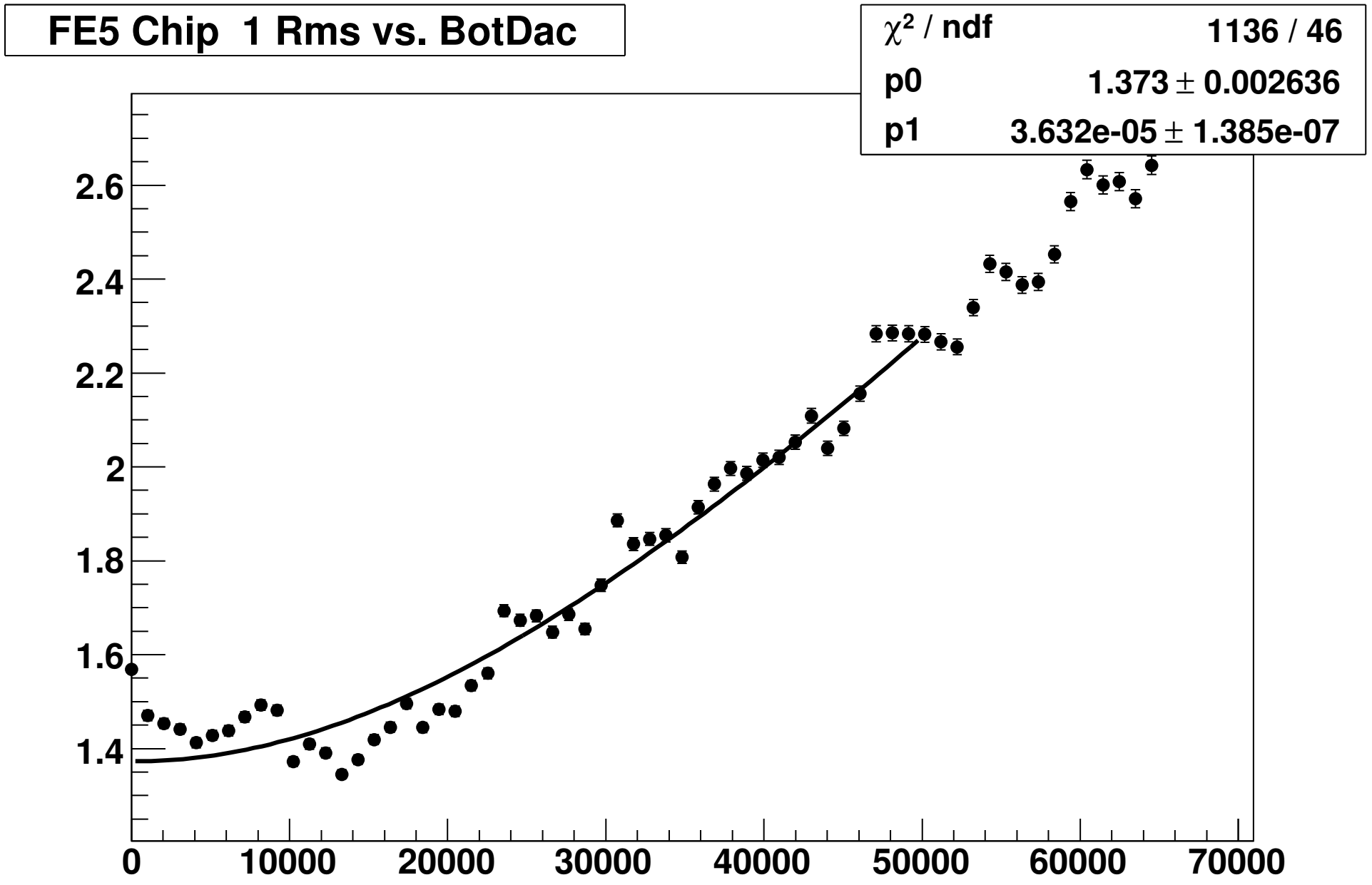
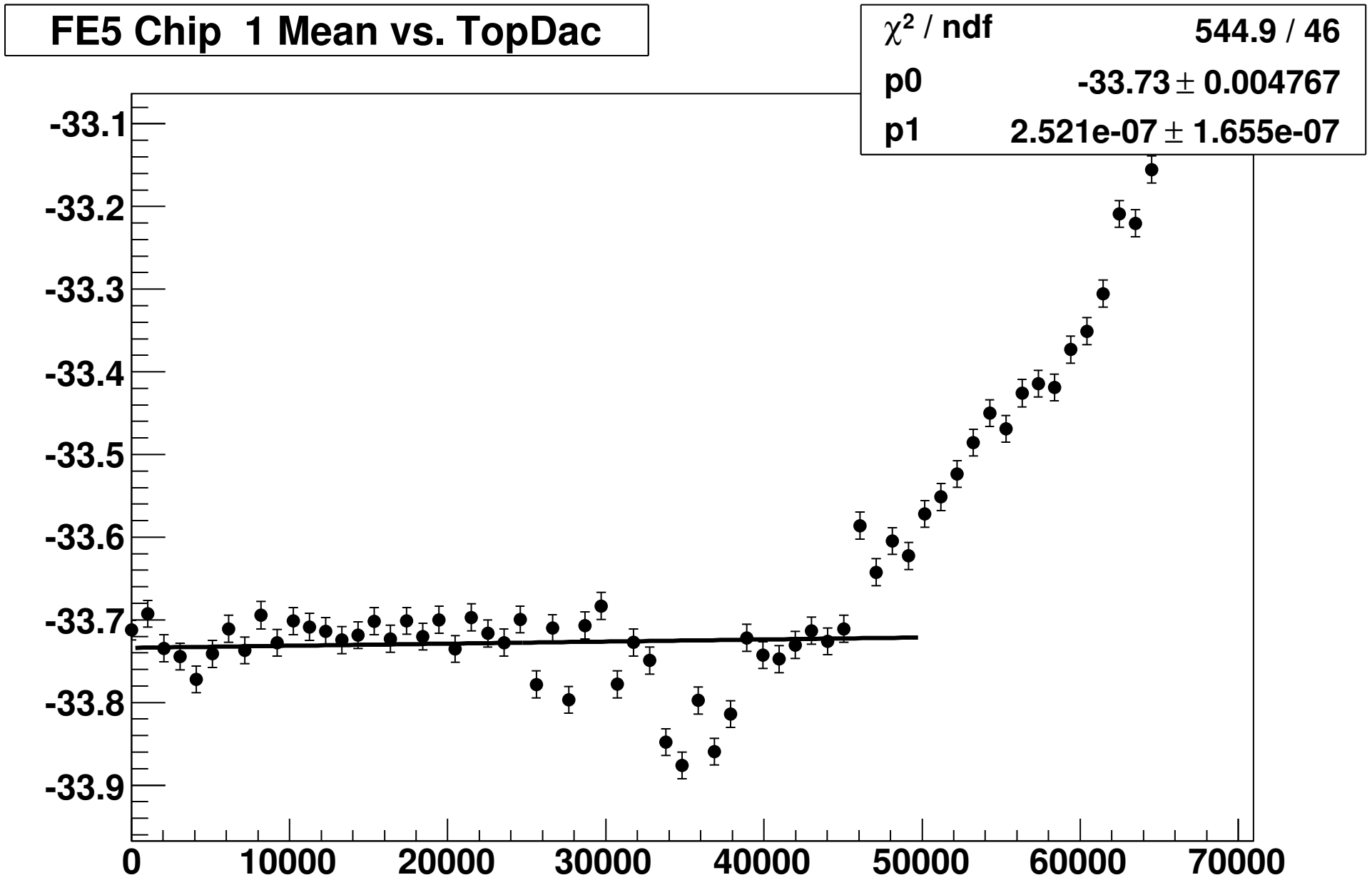
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 1136 / 46
p0 1.373 ± 0.002636
p1 3.632e-05 ± 1.385e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 544.9 / 46
p0 -33.73 ± 0.004767
p1 2.521e-07 ± 1.655e-07
-33.1
-33.2
-33.3
-33.4
-33.5
-33.6
-33.7
-33.8
-33.9
0
10000
20000
30000
40000
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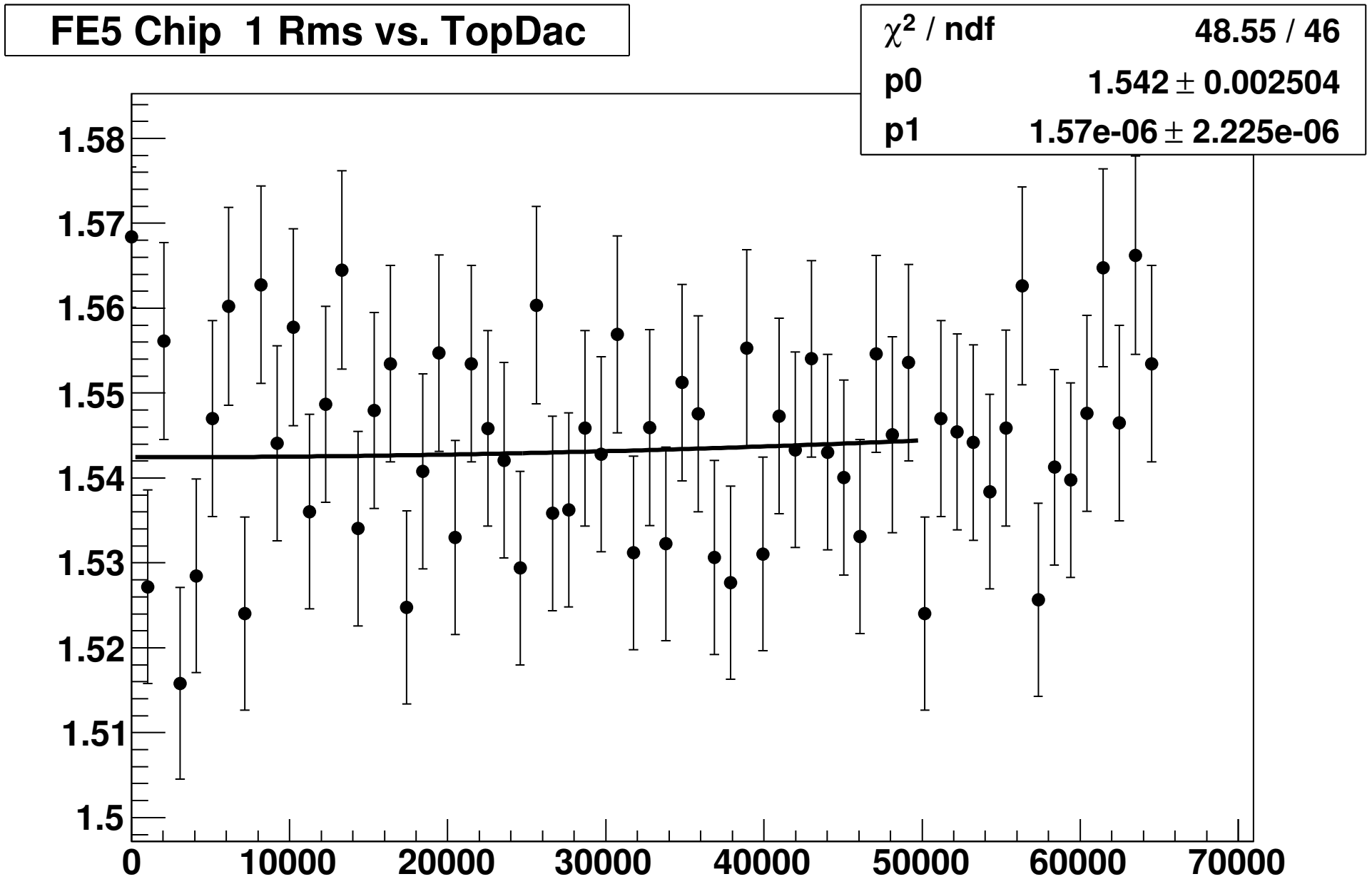
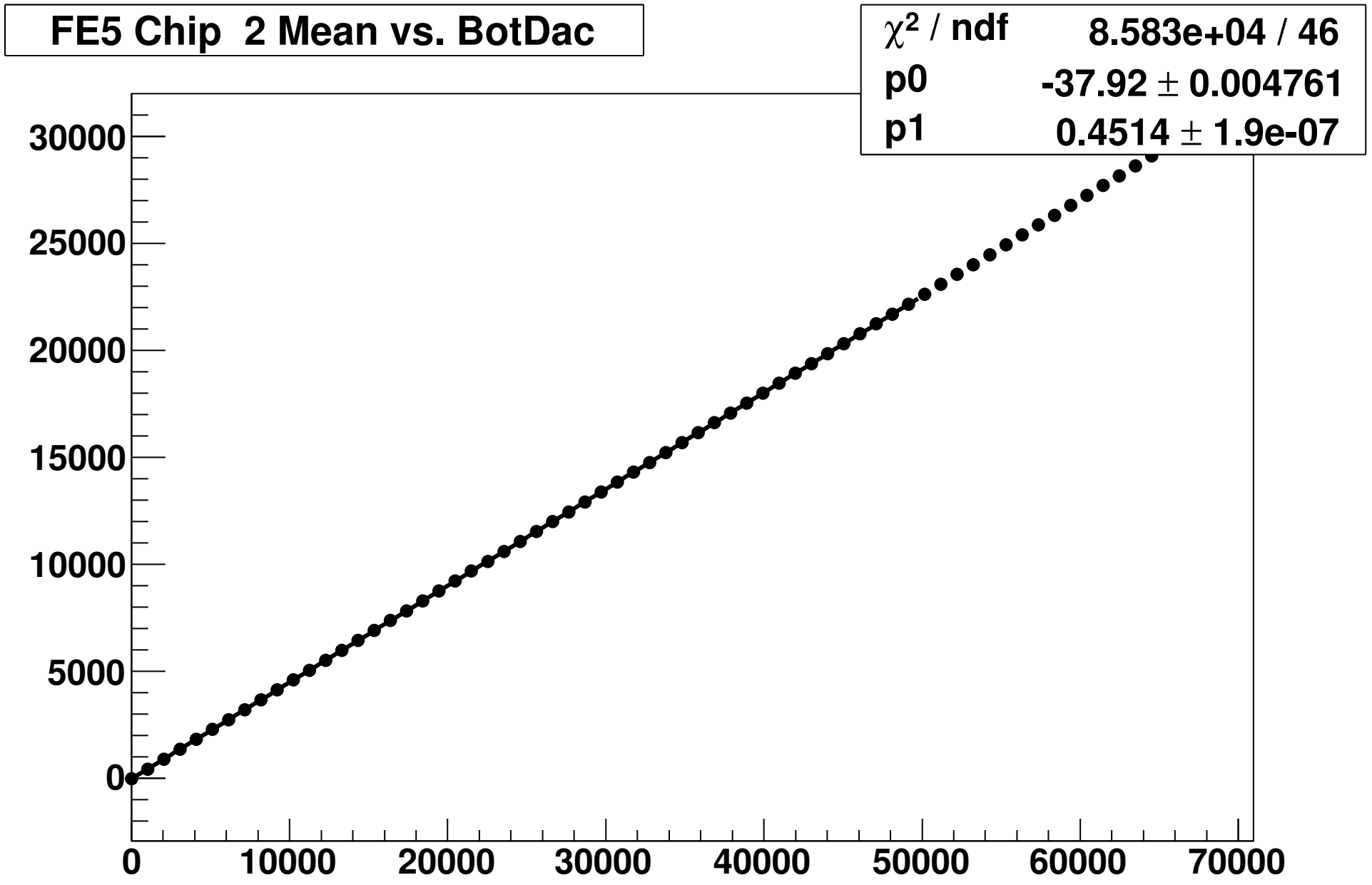
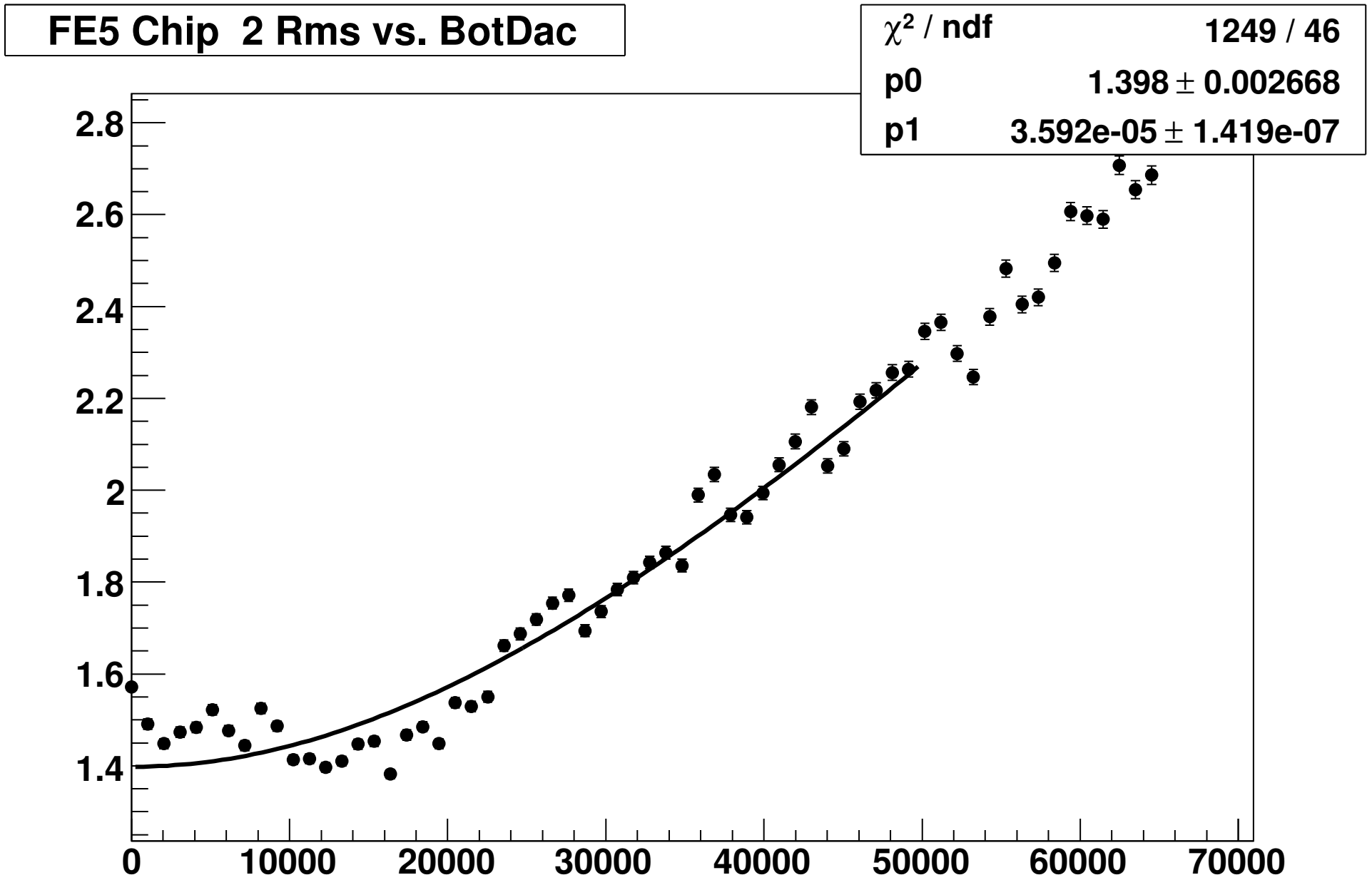

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 48.55 / 46
p0 1.542 ± 0.002504
p1 1.57e-06 ± 2.225e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 8.583e+04 / 46
p0 -37.92 ± 0.004761
p1 0.4514 ± 1.9e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1249 / 46
p0 1.398 ± 0.002668
p1 3.592e-05 ± 1.419e-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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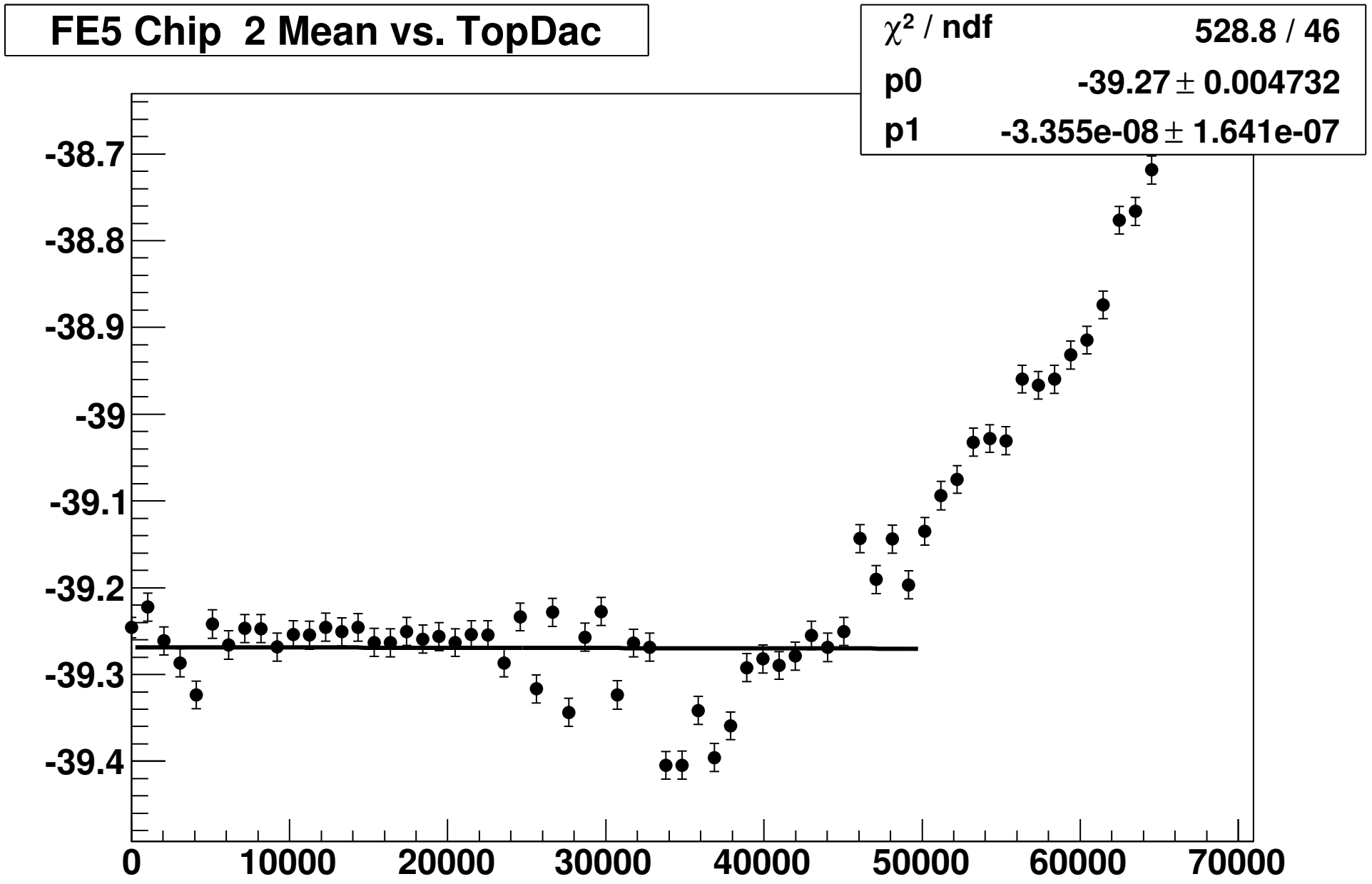
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 528.8 / 46
p0 -39.27 ± 0.004732
p1 -3.355e-08 ± 1.641e-07
-38.7
-38.8
-38.9
-39
-39.1
-39.2
-39.3
-39.4
0
10000
20000
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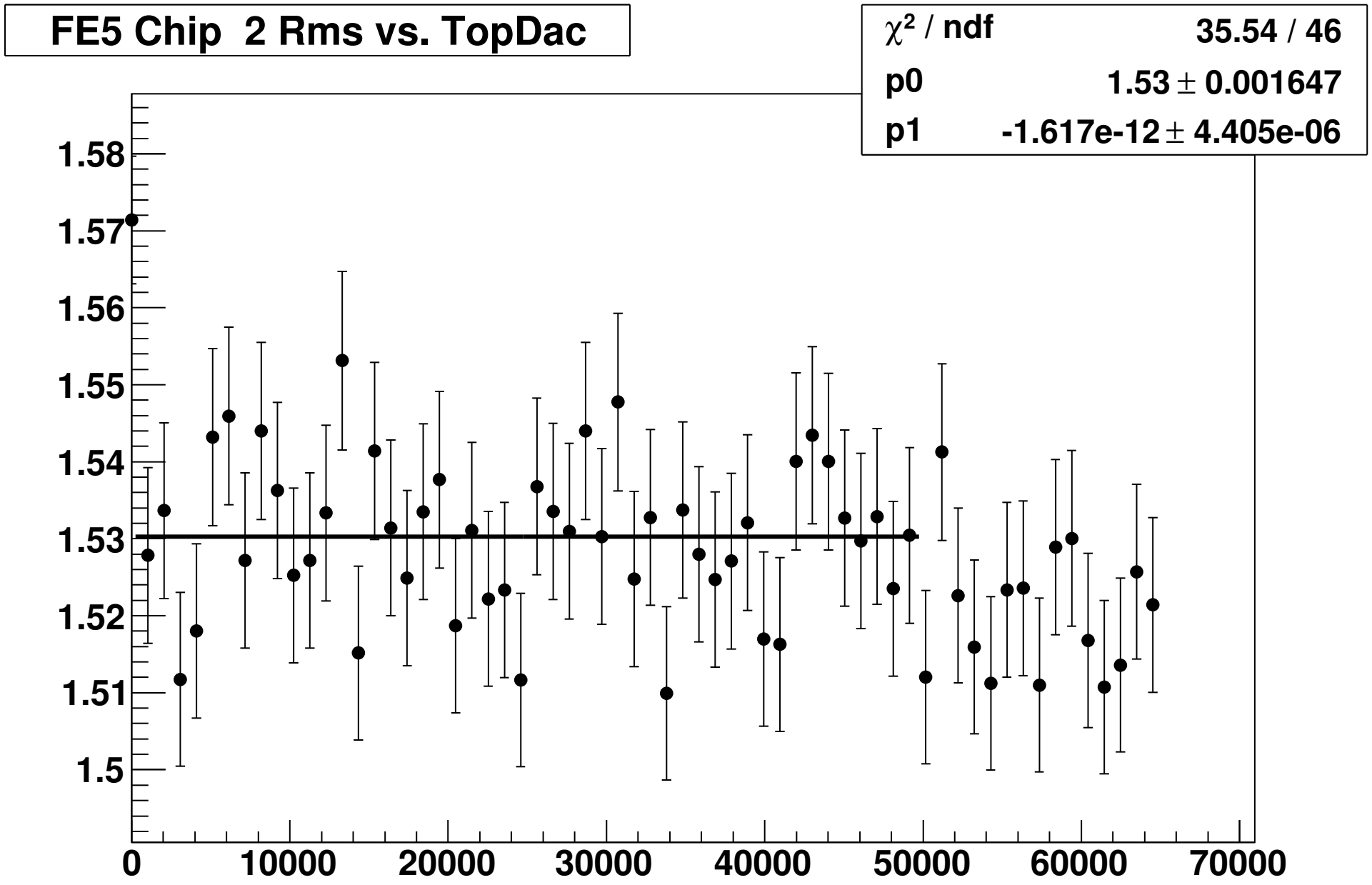
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 35.54 / 46
p0 1.53 ± 0.001647
p1 -1.617e-12 ± 4.405e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
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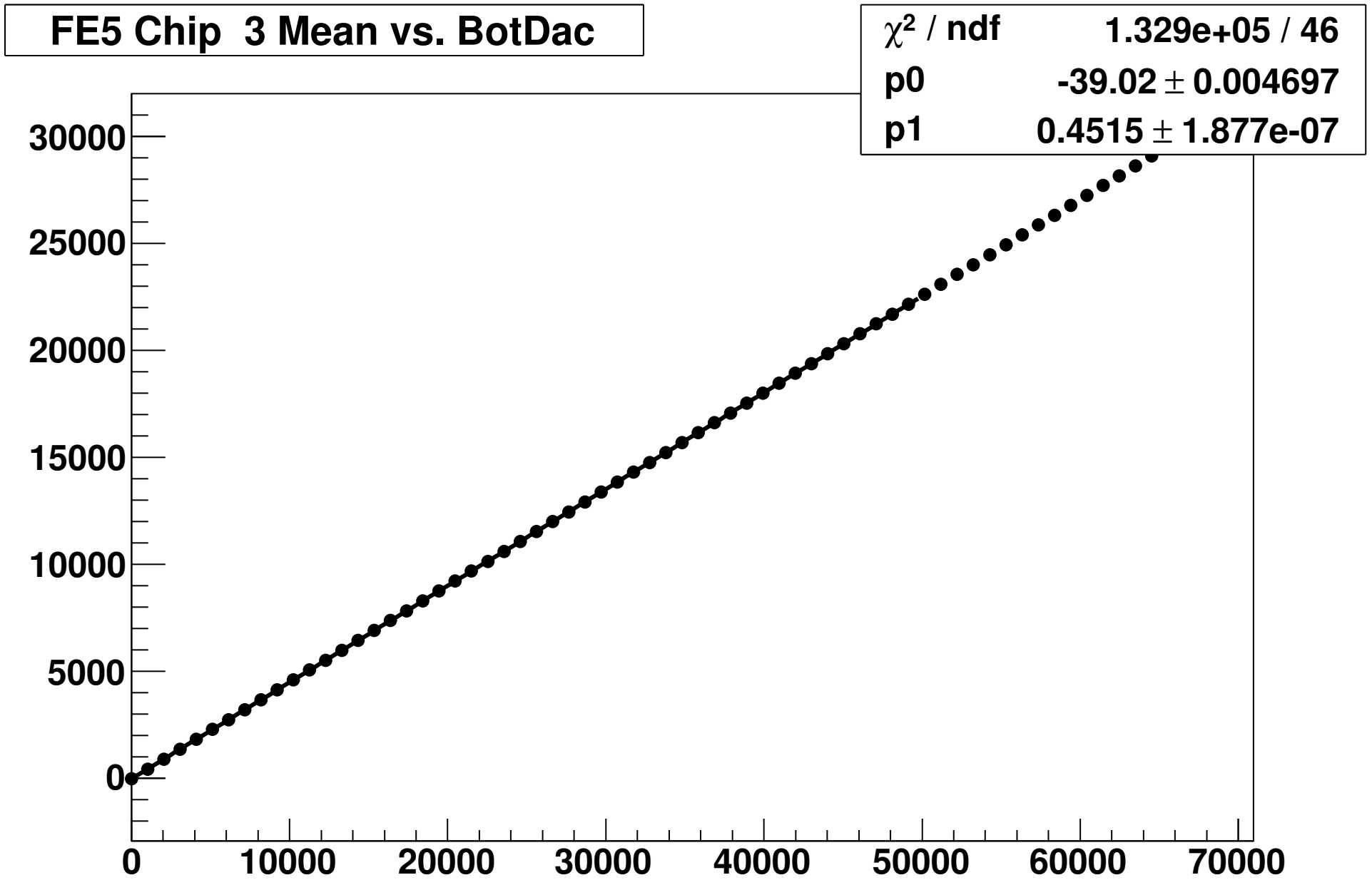
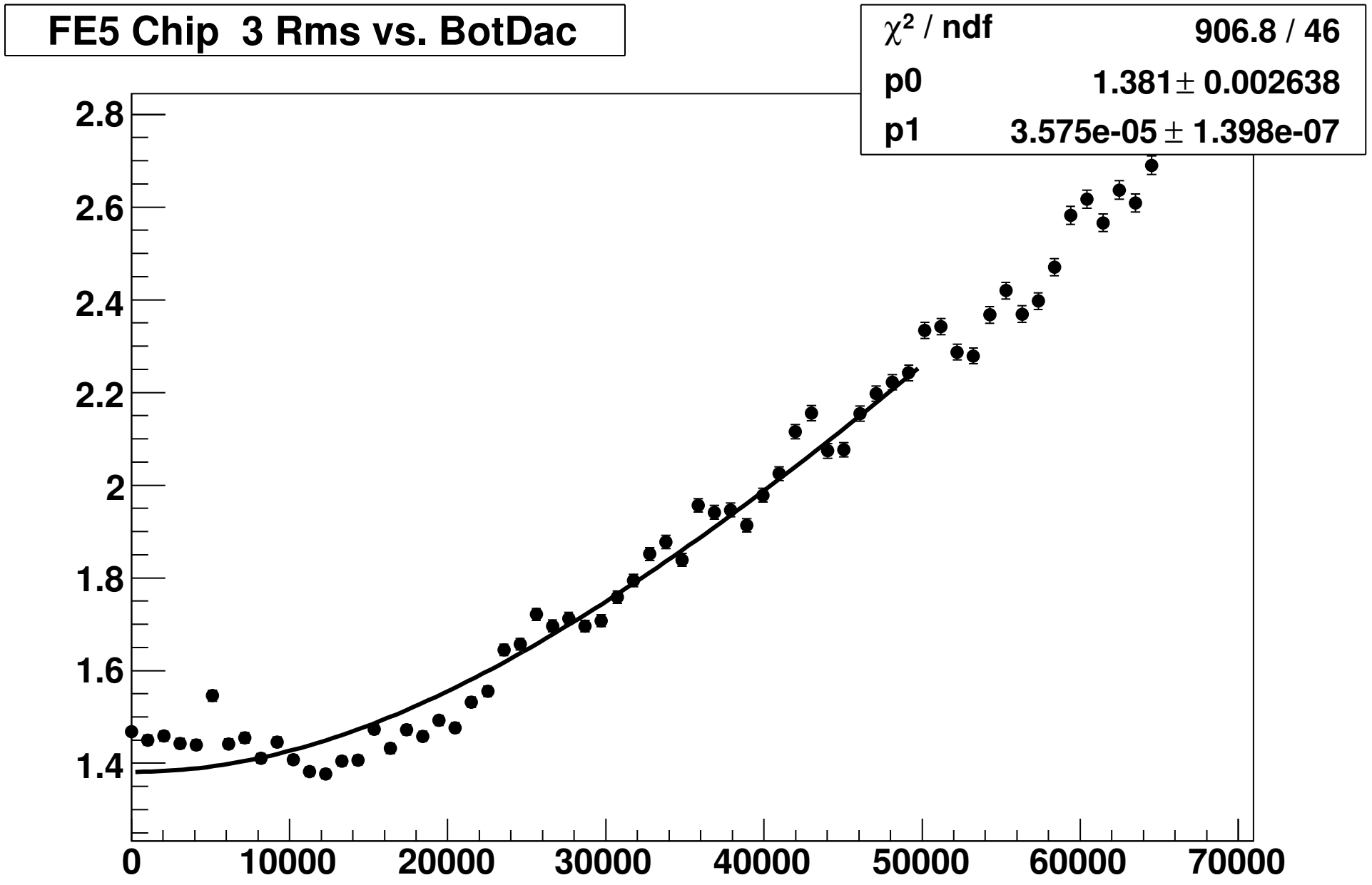

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.329e+05 / 46
p0 -39.02 ± 0.004697
p1 0.4515 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 906.8 / 46
p0 1.381 ± 0.002638
p1 3.575e-05 ± 1.398e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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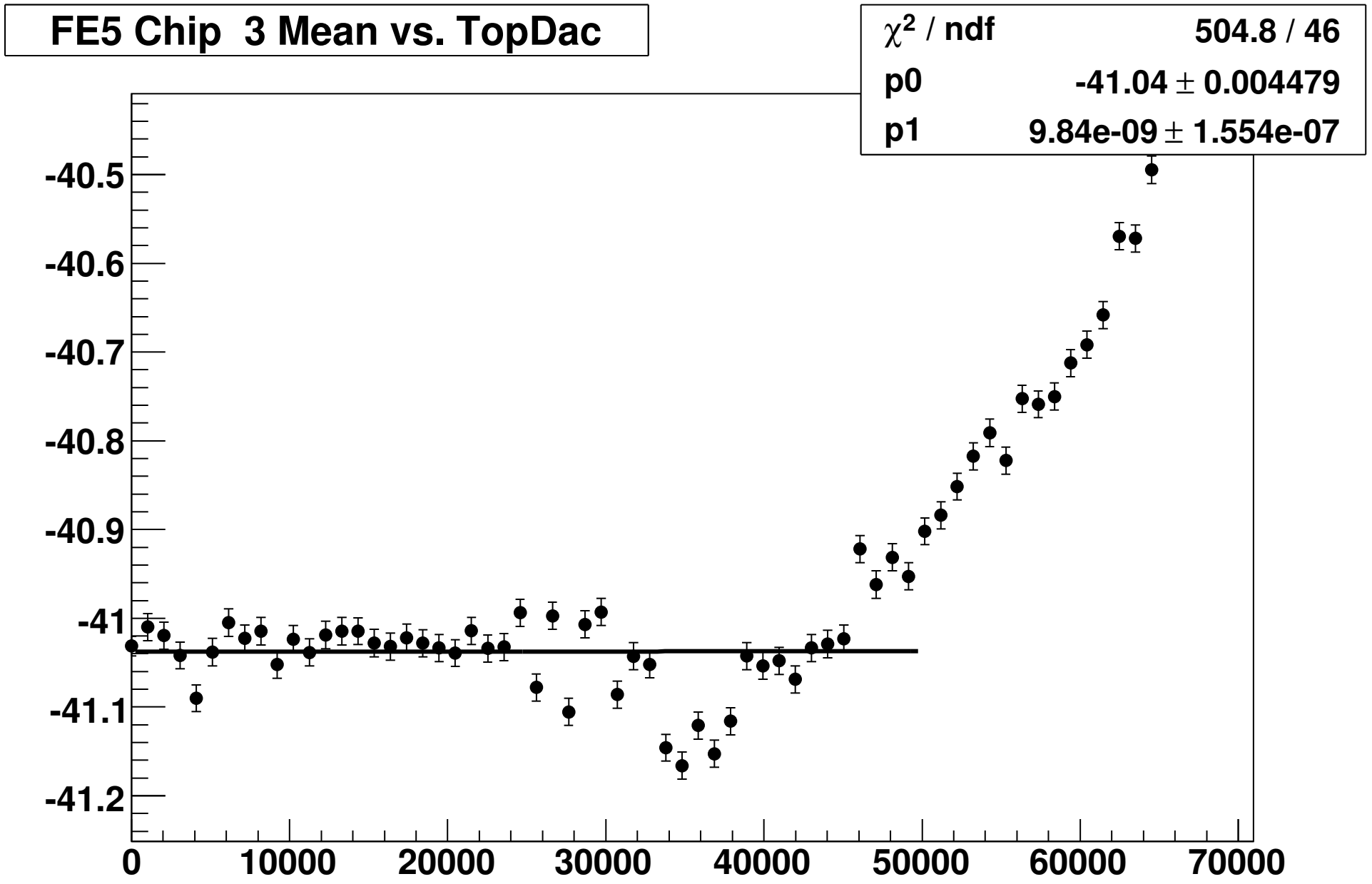
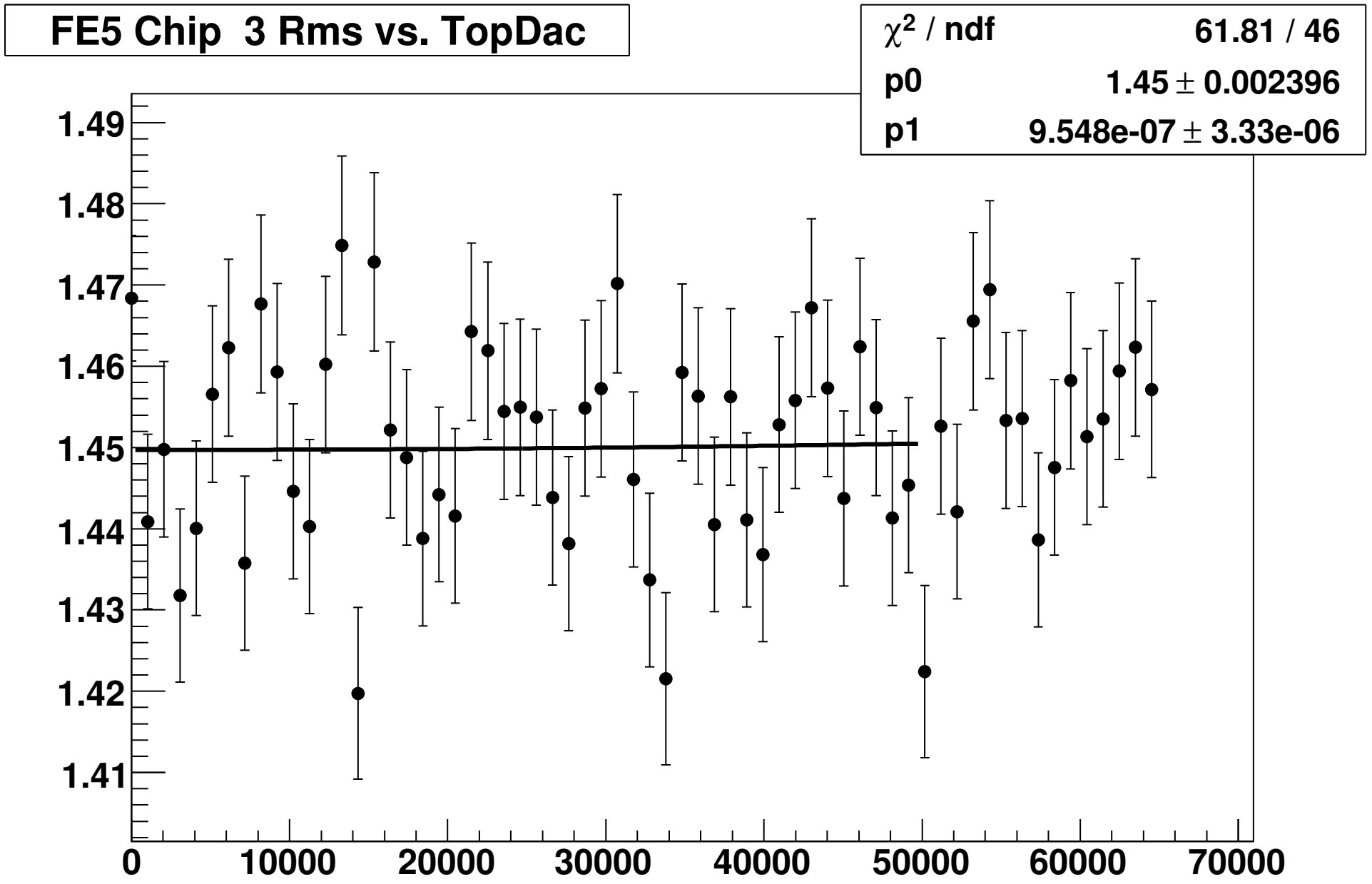
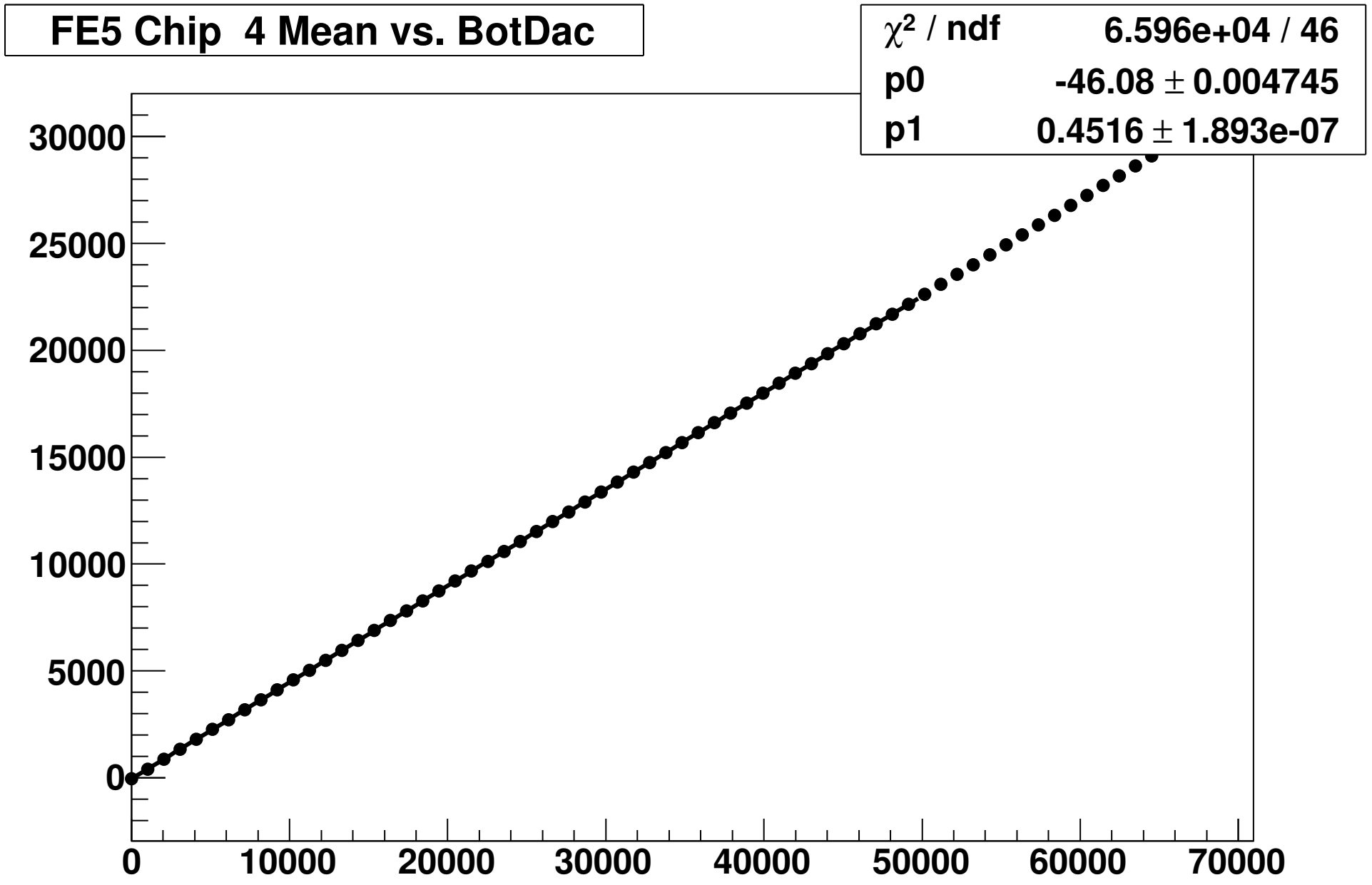
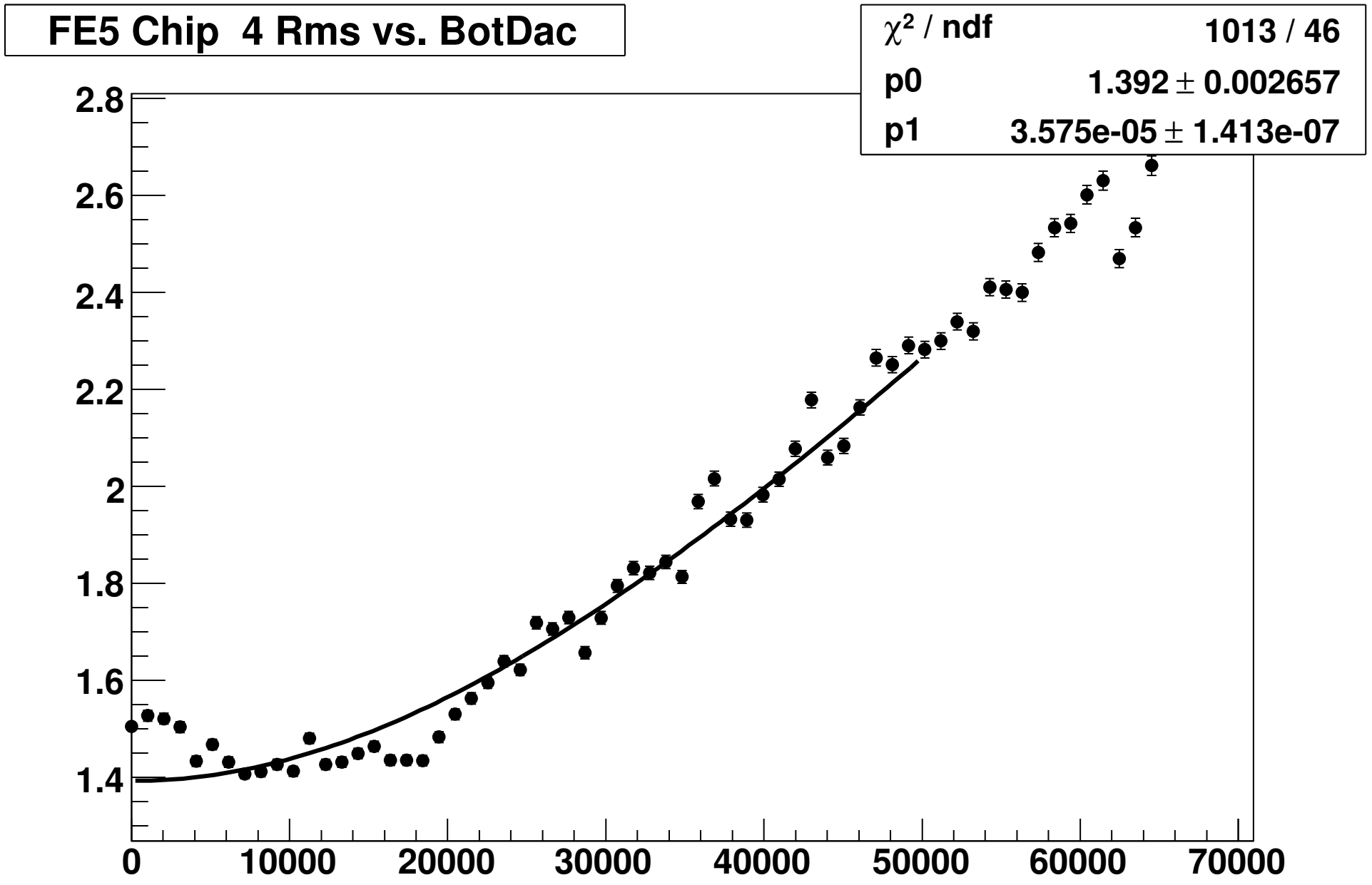

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 504.8 / 46
p0 -41.04 ± 0.004479
p1 9.84e-09 ± 1.554e-07
-40.5
-40.6
-40.7
-40.8
-40.9
-41
-41.1
-41.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 61.81 / 46
p0 1.45 ± 0.002396
p1 9.548e-07 ± 3.33e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 6.596e+04 / 46
p0 -46.08 ± 0.004745
p1 0.4516 ± 1.893e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1013 / 46
p0 1.392 ± 0.002657
p1 3.575e-05 ± 1.413e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
40000
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60000
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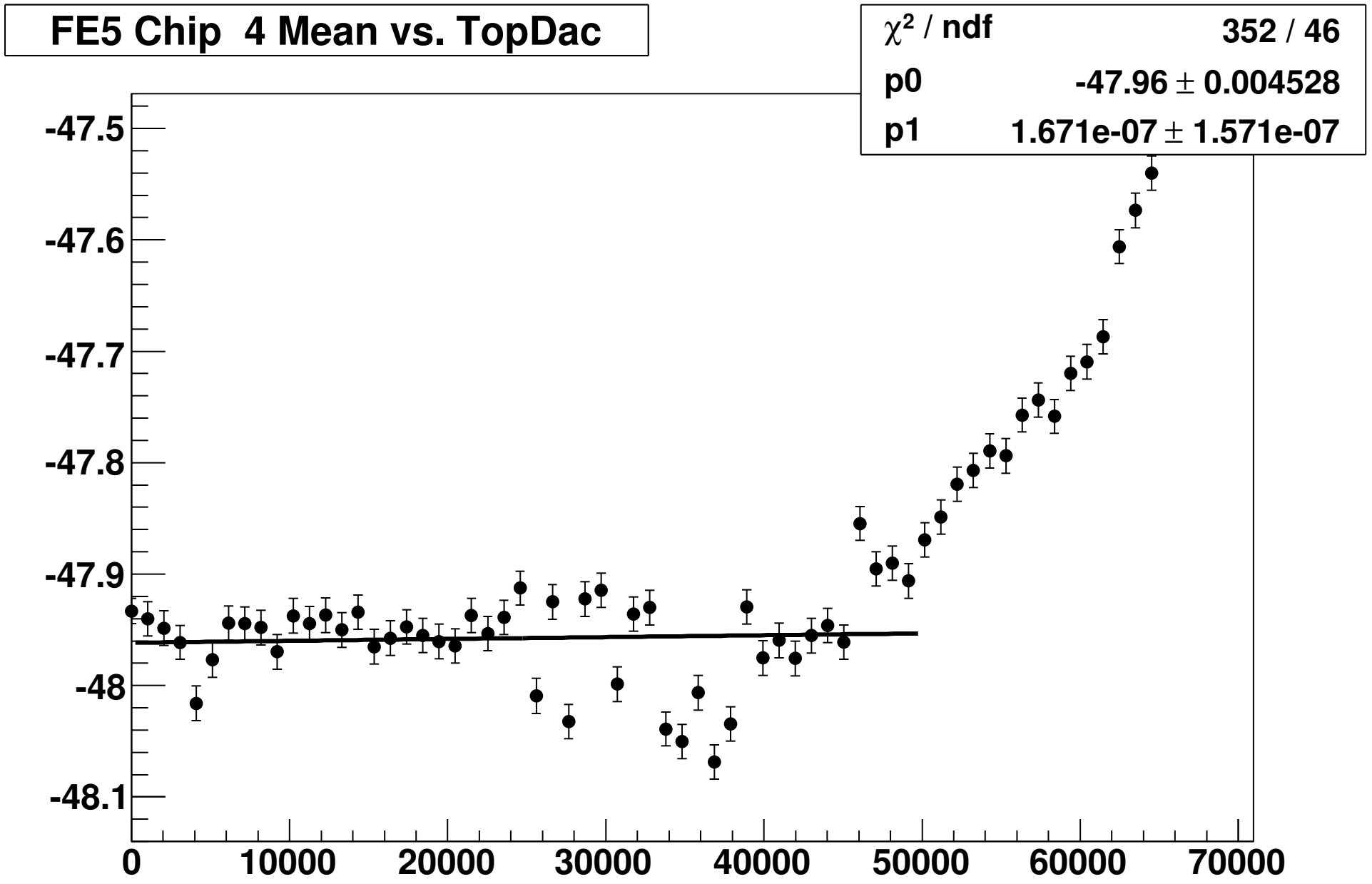
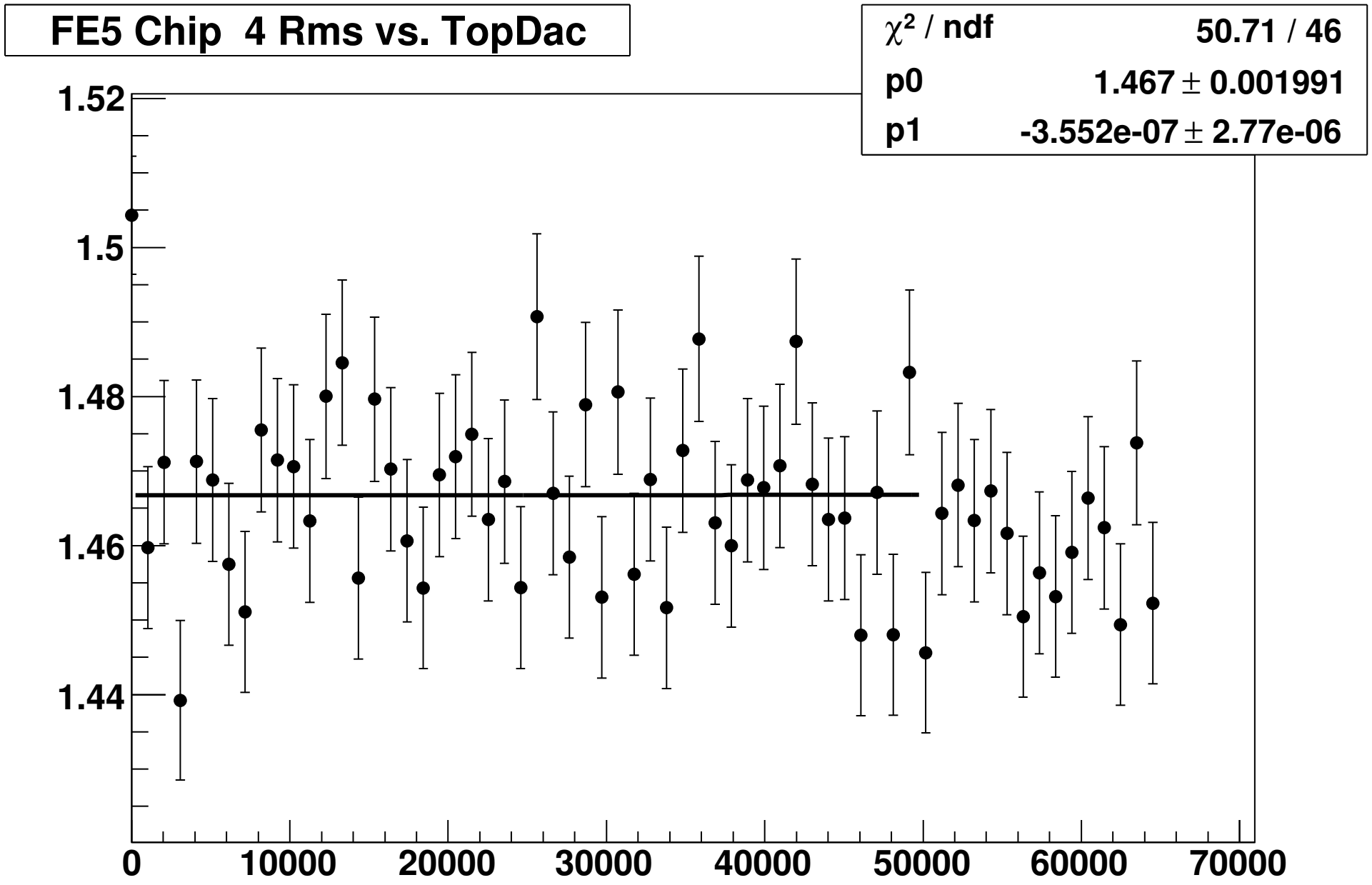

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 352 / 46
p0 -47.96 ± 0.004528
p1 1.671e-07 ± 1.571e-07
-47.5
-47.6
-47.7
-47.8
-47.9
-48
-48.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 50.71 / 46
p0 1.467 ± 0.001991
p1 -3.552e-07 ± 2.77e-06
1.52
1.5
1.48
1.46
1.44
0
10000
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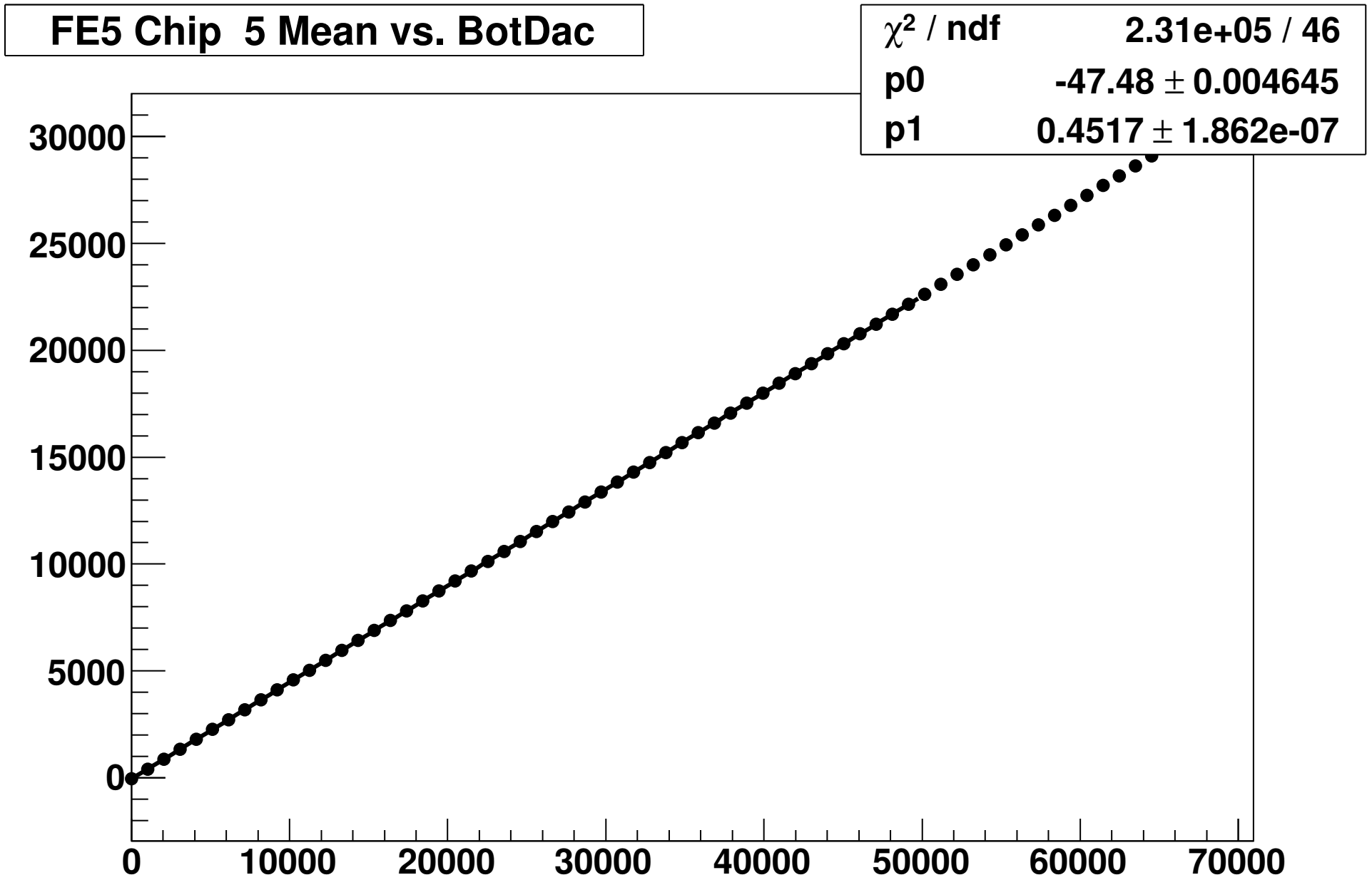
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 2.31e+05 / 46
p0 -47.48 ± 0.004645
p1 0.4517 ± 1.862e-07
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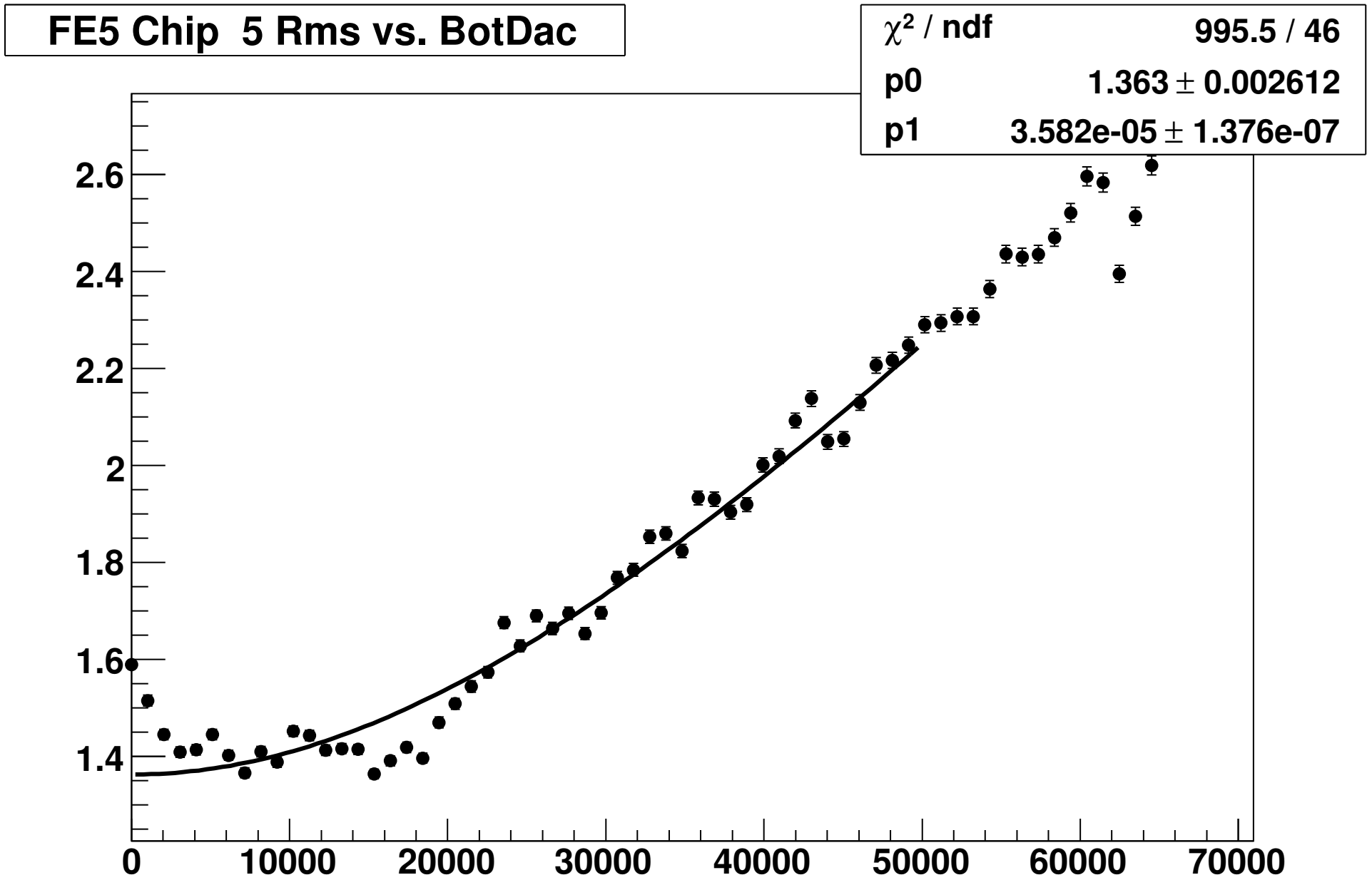
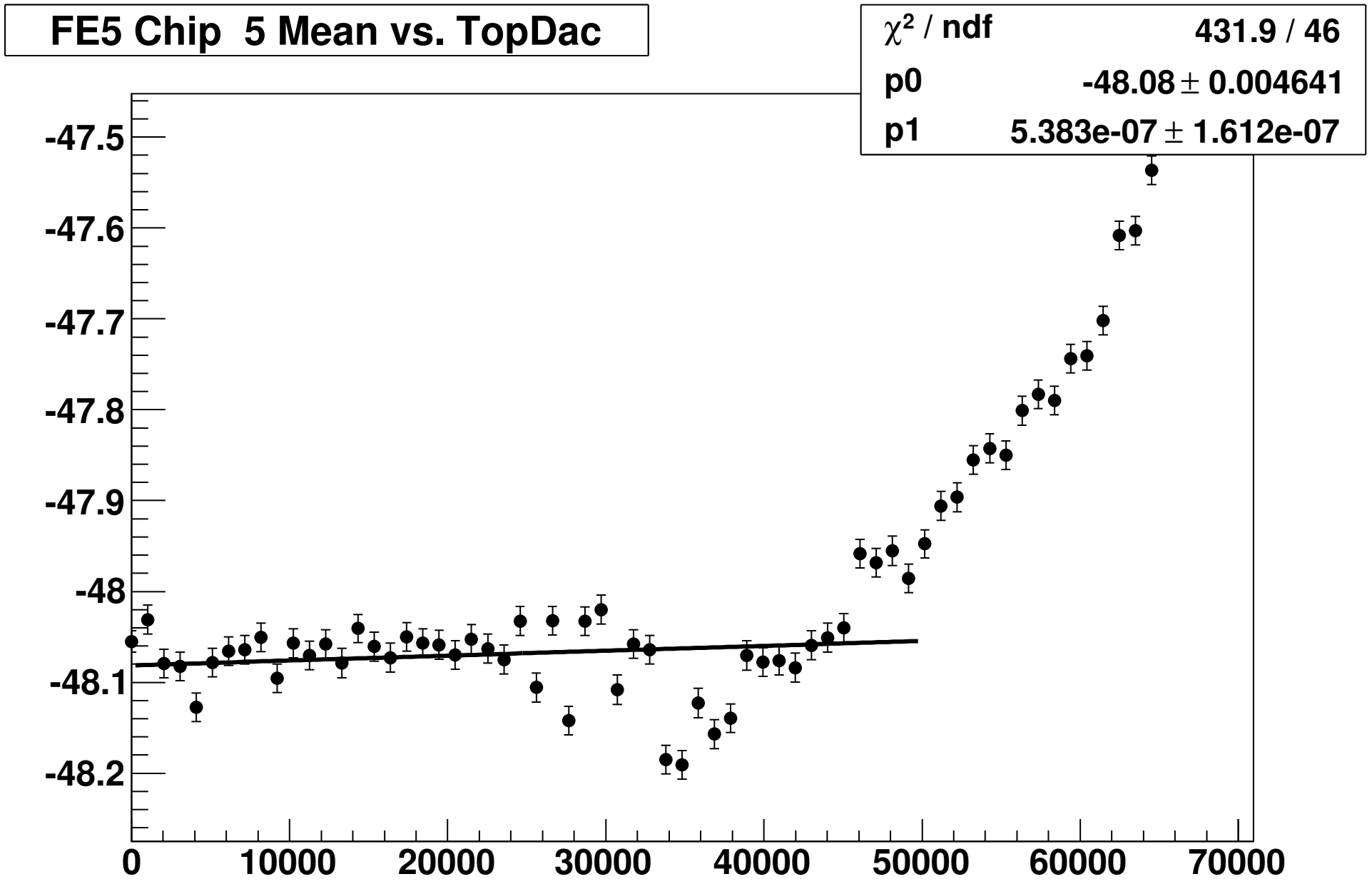
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 995.5 / 46
p0 1.363 ± 0.002612
p1 3.582e-05 ± 1.376e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 431.9 / 46
p0 -48.08 ± 0.004641
p1 5.383e-07 ± 1.612e-07
-47.5
-47.6
-47.7
-47.8
-47.9
-48
-48.1
-48.2
0
10000
20000
30000
40000
50000
60000
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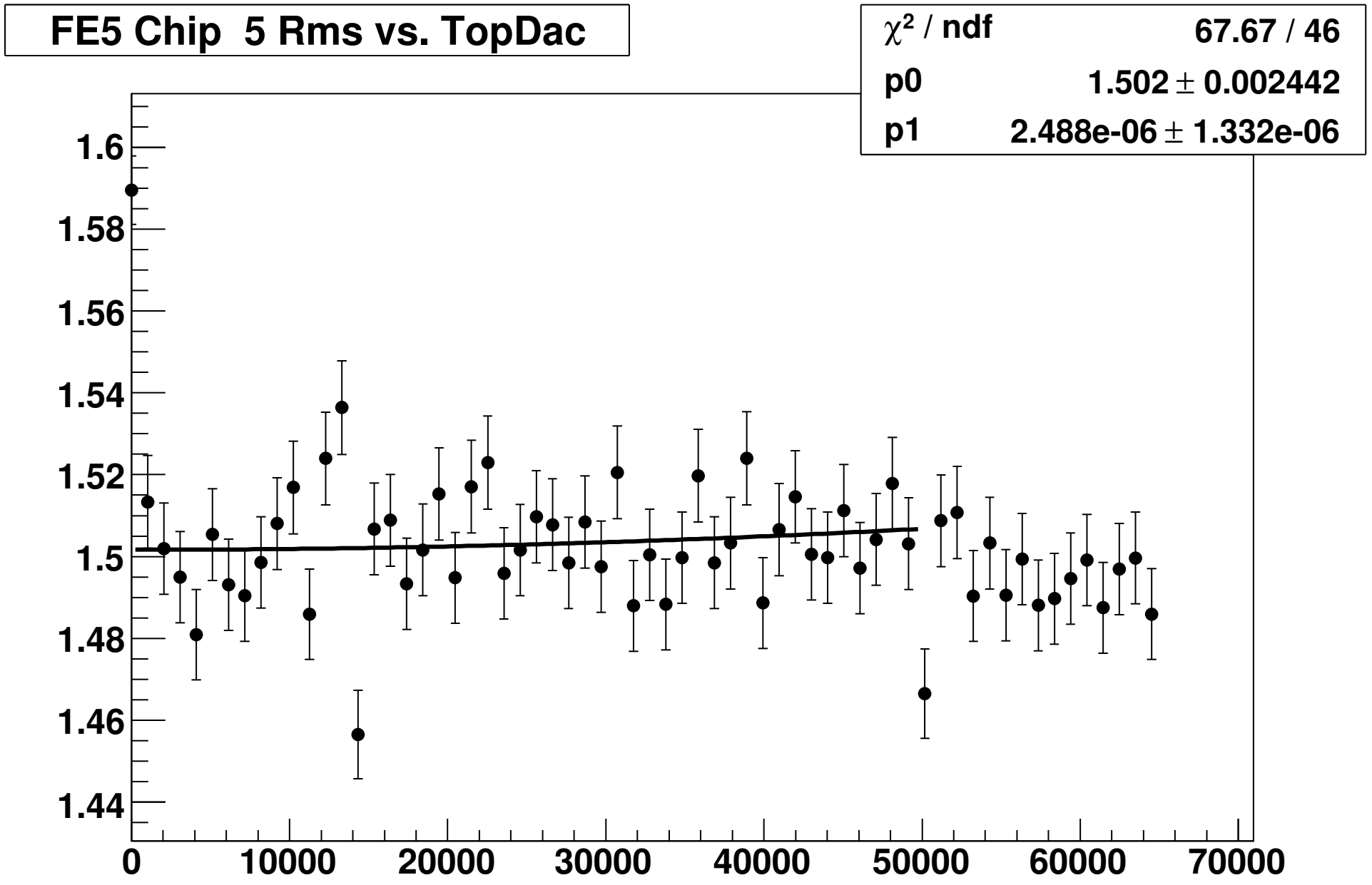
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 67.67 / 46
p0 1.502 ± 0.002442
p1 2.488e-06 ± 1.332e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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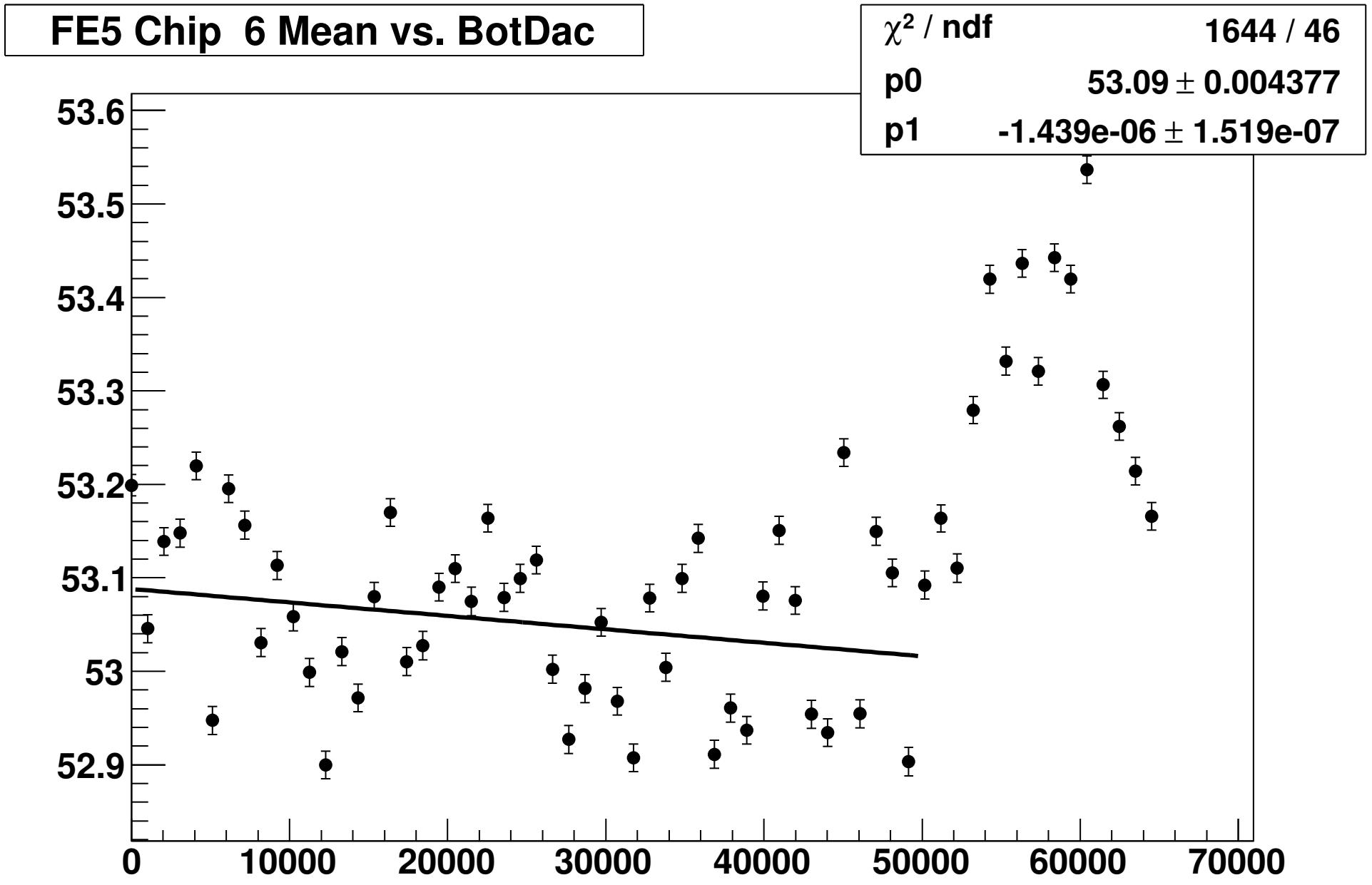
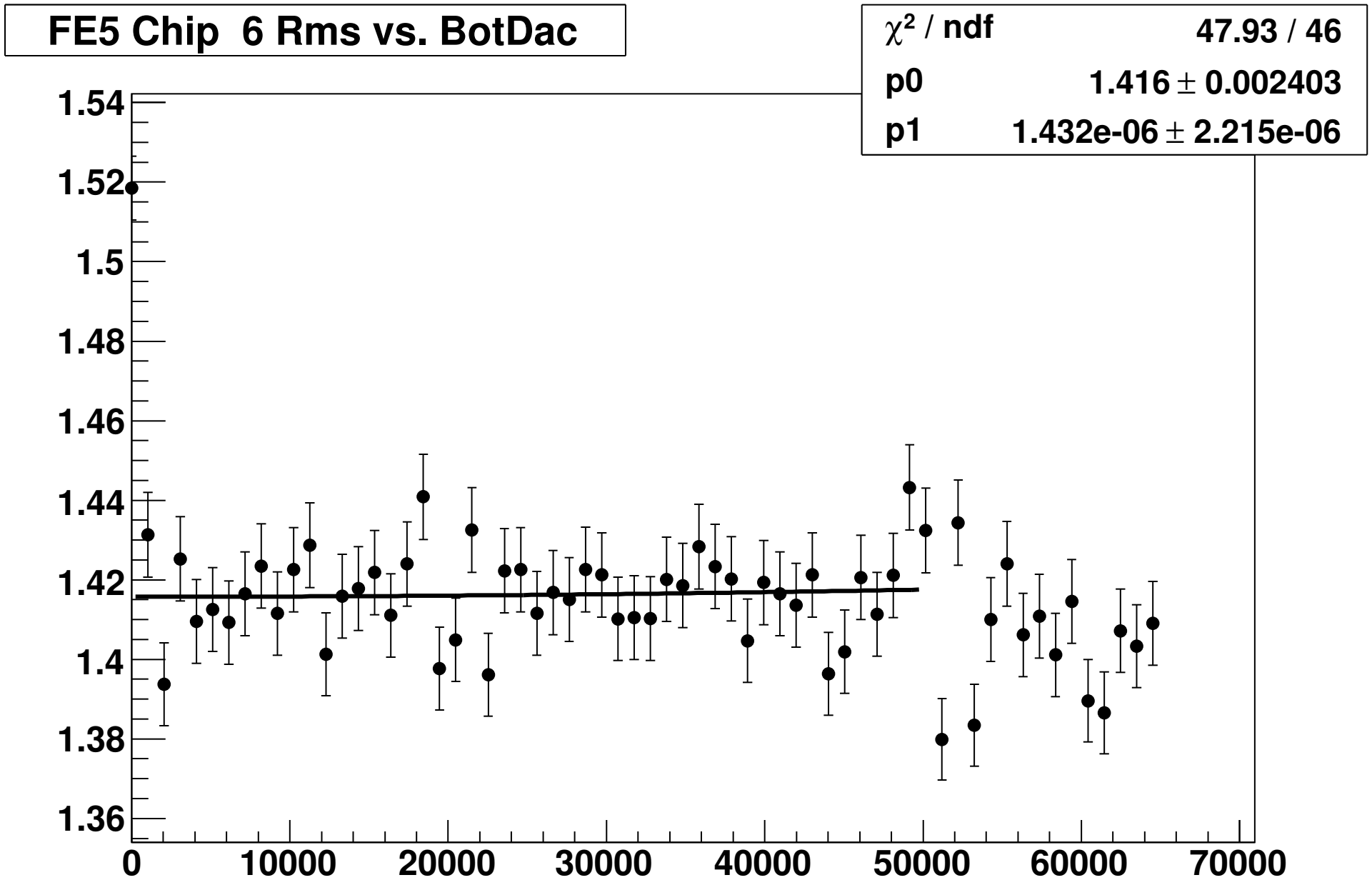
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1644 / 46
p0 53.09 ± 0.004377
p1 -1.439e-06 ± 1.519e-07
53.6
53.5
53.4
53.3
53.2
53.1
53
52.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 47.93 / 46
p0 1.416 ± 0.002403
p1 1.432e-06 ± 2.215e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
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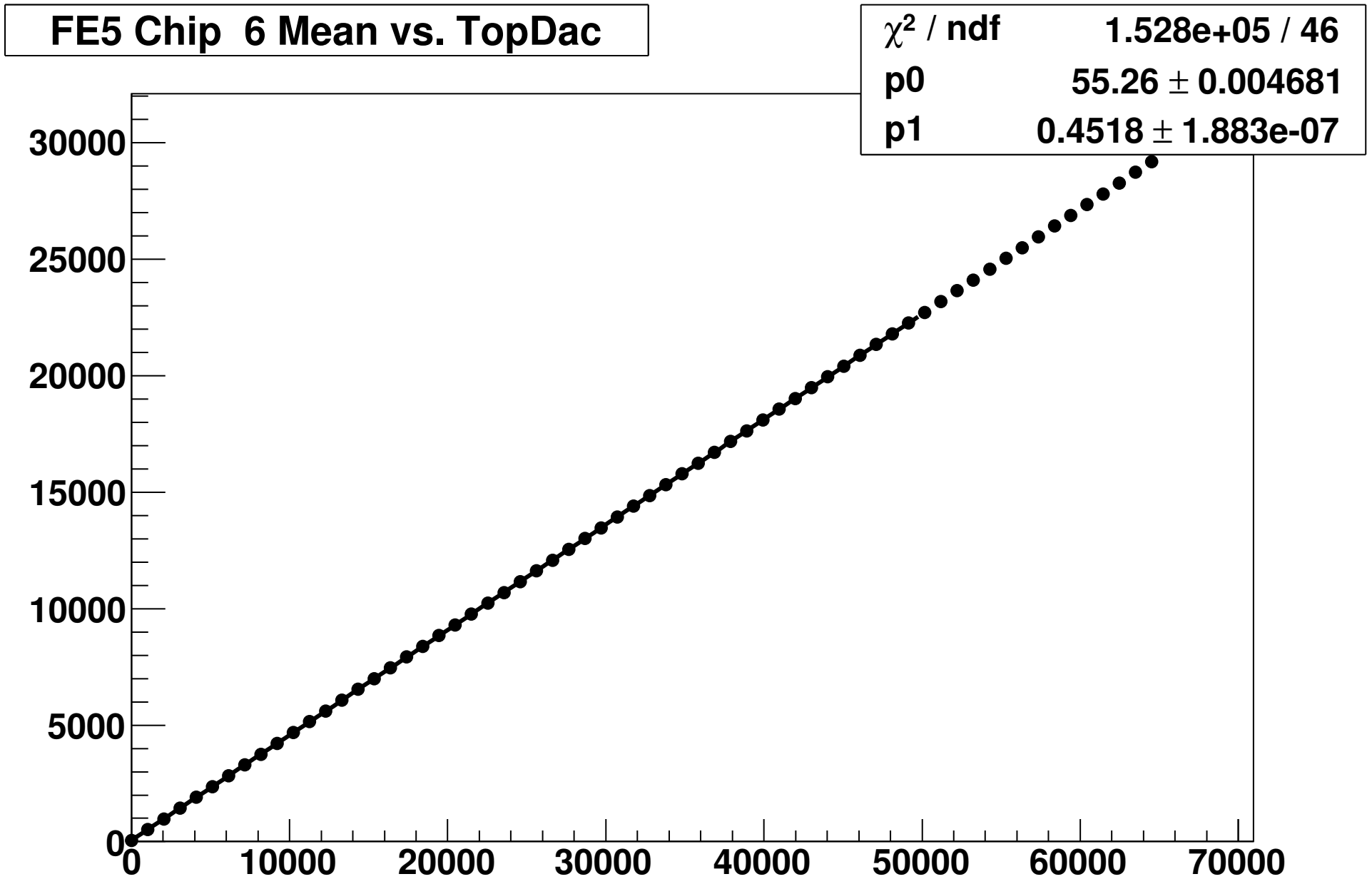
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.528e+05 / 46
p0 55.26 ± 0.004681
p1 0.4518 ± 1.883e-07
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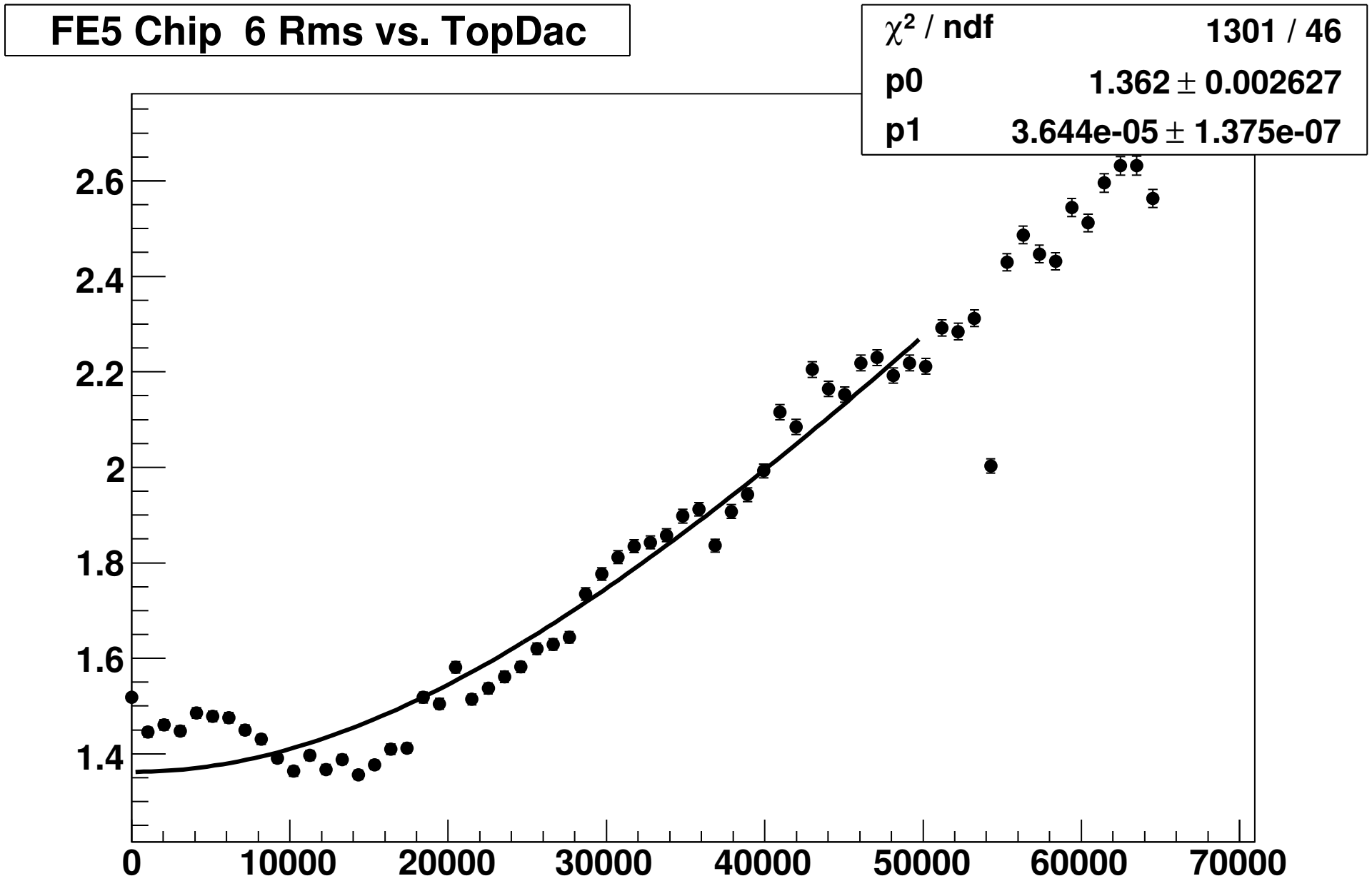
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1301 / 46
p0 1.362 ± 0.002627
p1 3.644e-05 ± 1.375e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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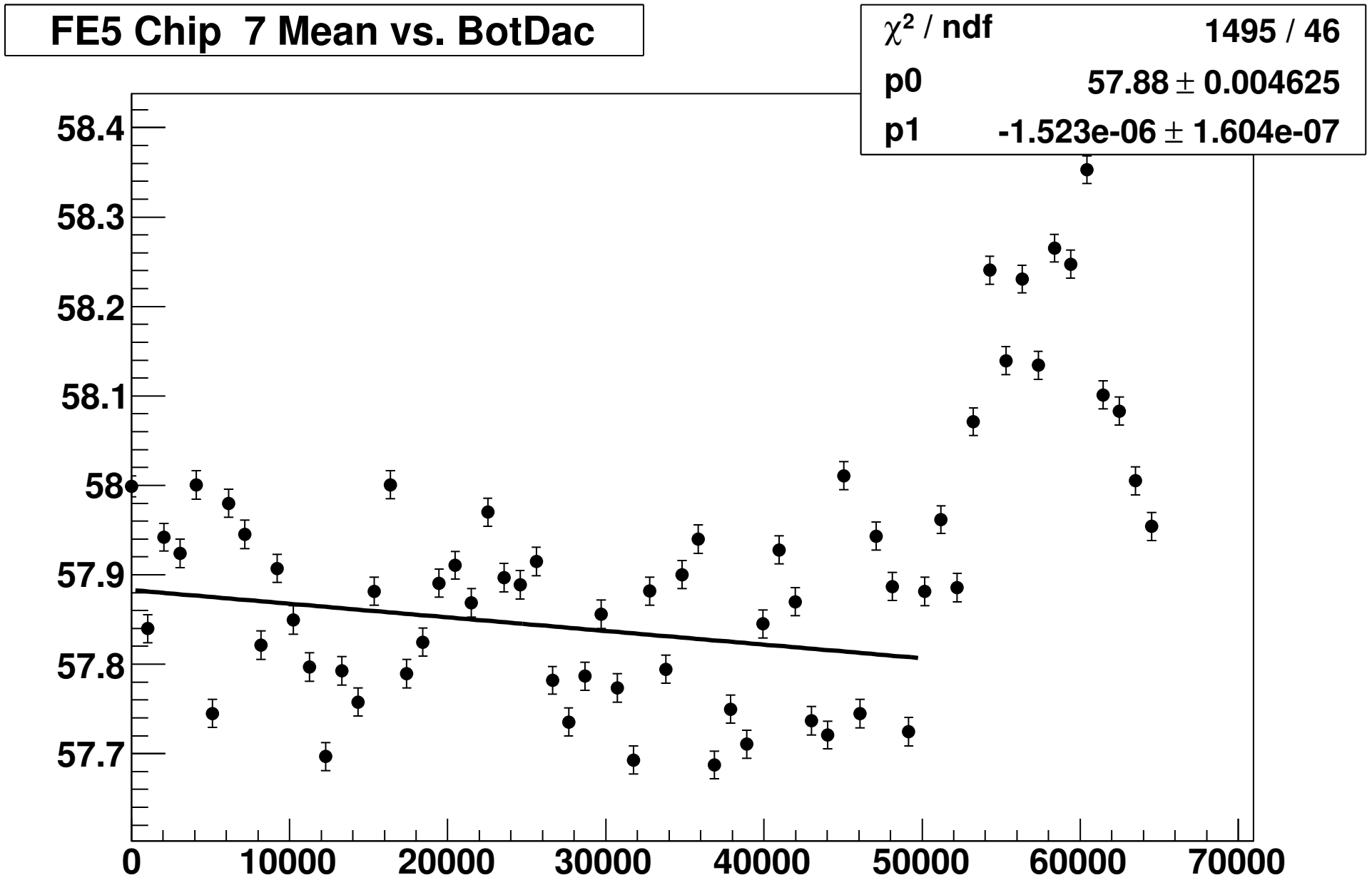
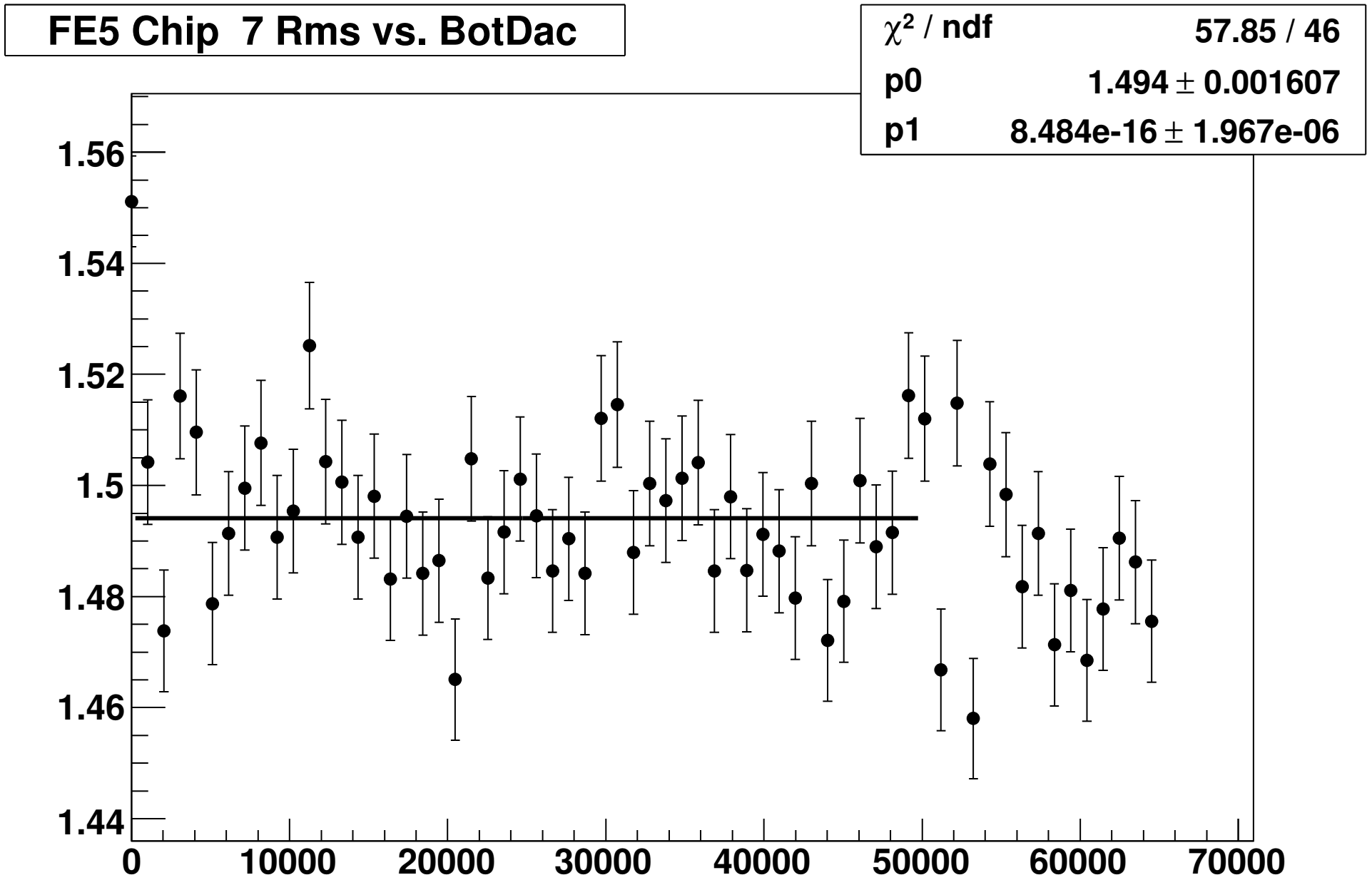

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1495 / 46
p0 57.88 ± 0.004625
p1 -1.523e-06 ± 1.604e-07
58.4
58.3
58.2
58.1
58
57.9
57.8
57.7
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 57.85 / 46
p0 1.494 ± 0.001607
p1 8.484e-16 ± 1.967e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
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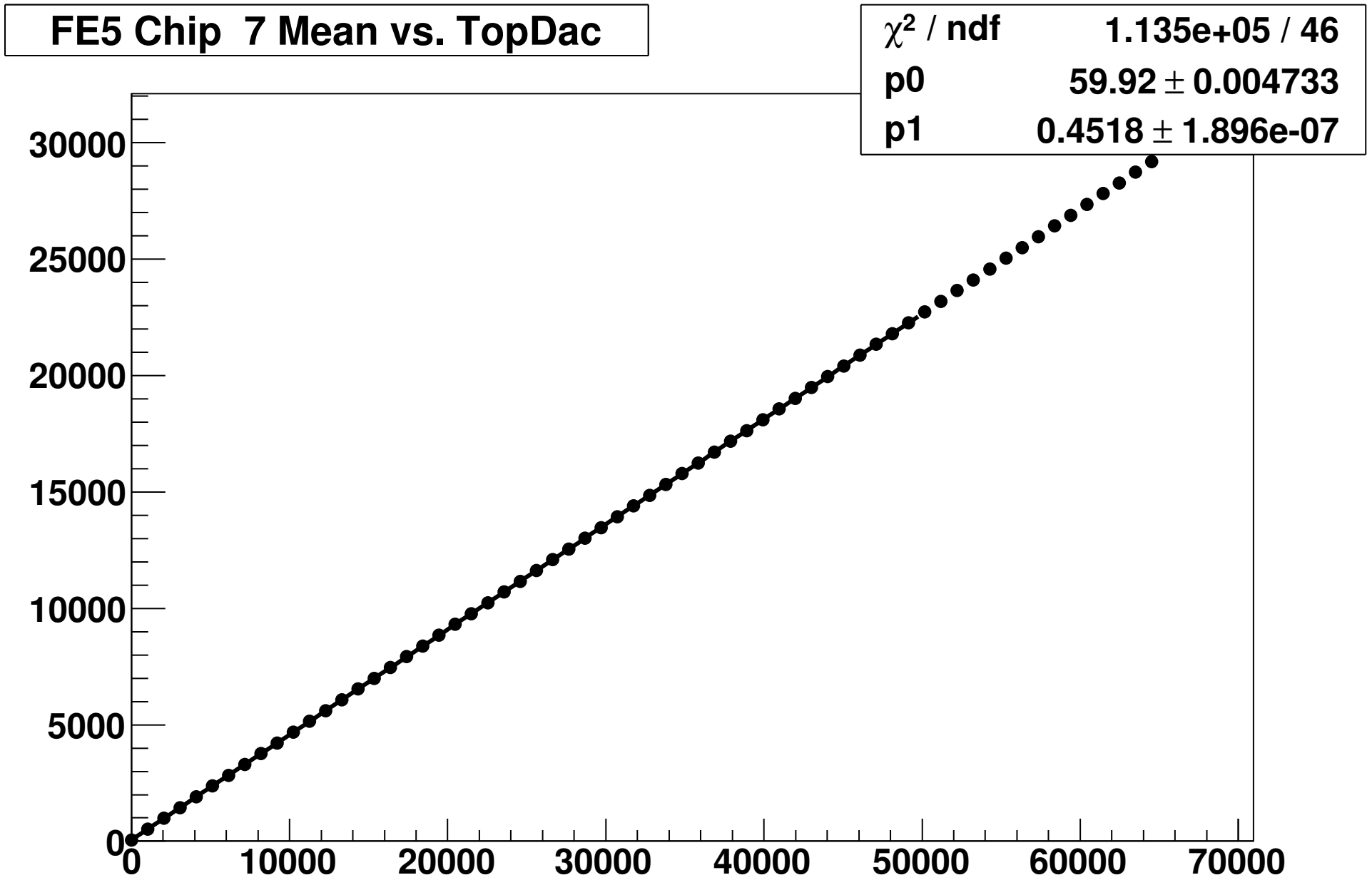
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.135e+05 / 46
p0 59.92 ± 0.004733
p1 0.4518 ± 1.896e-07
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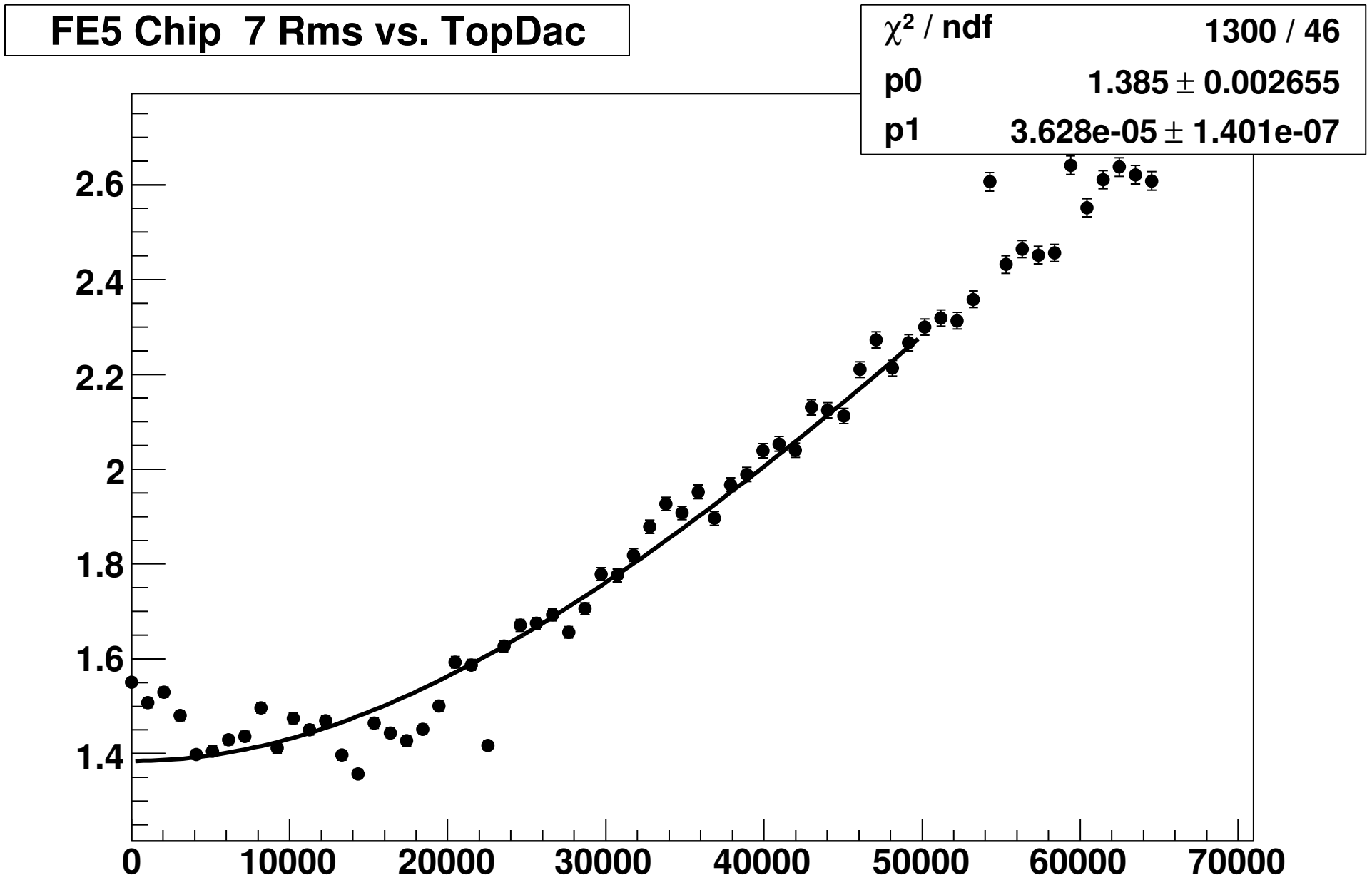
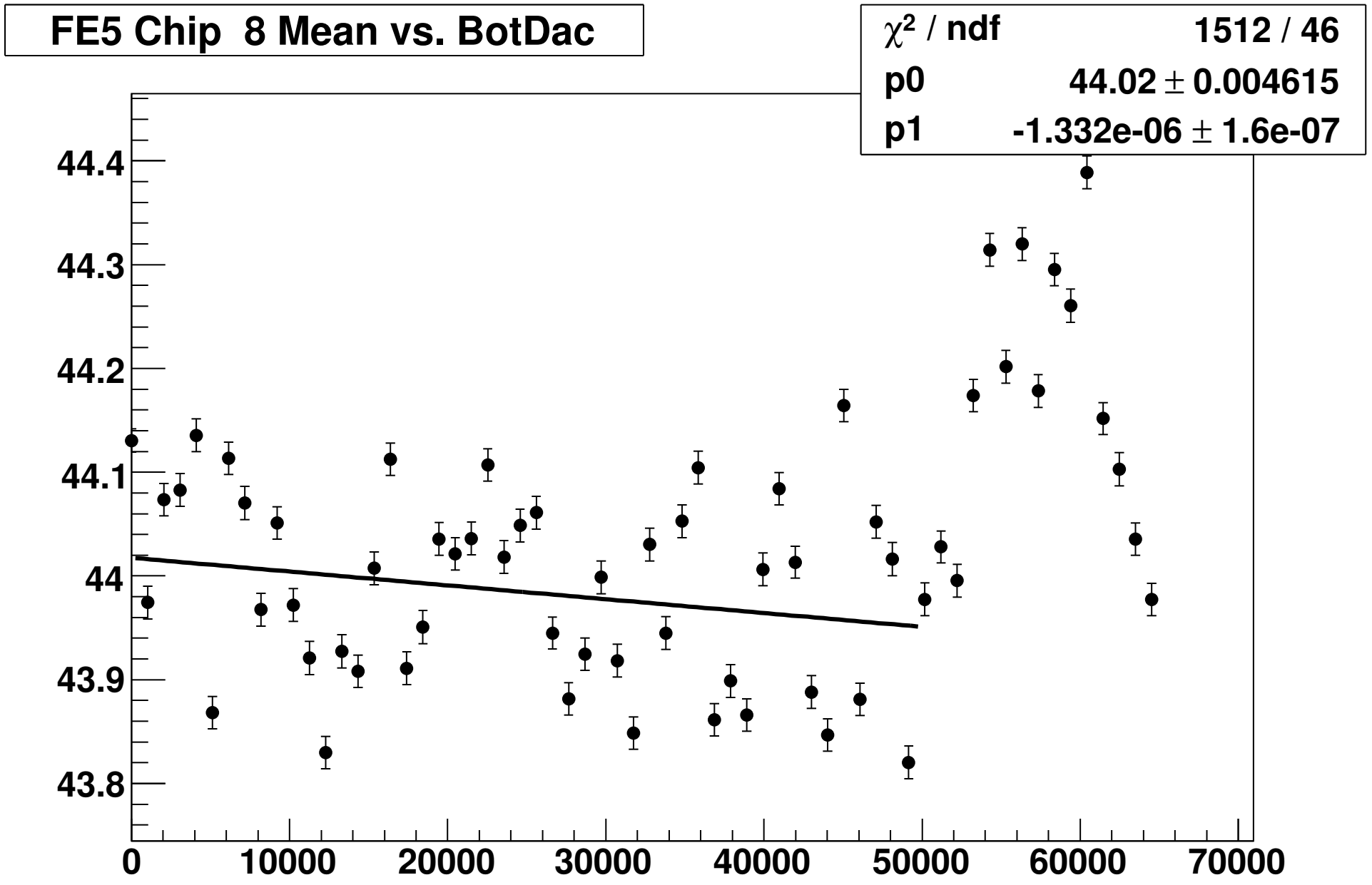
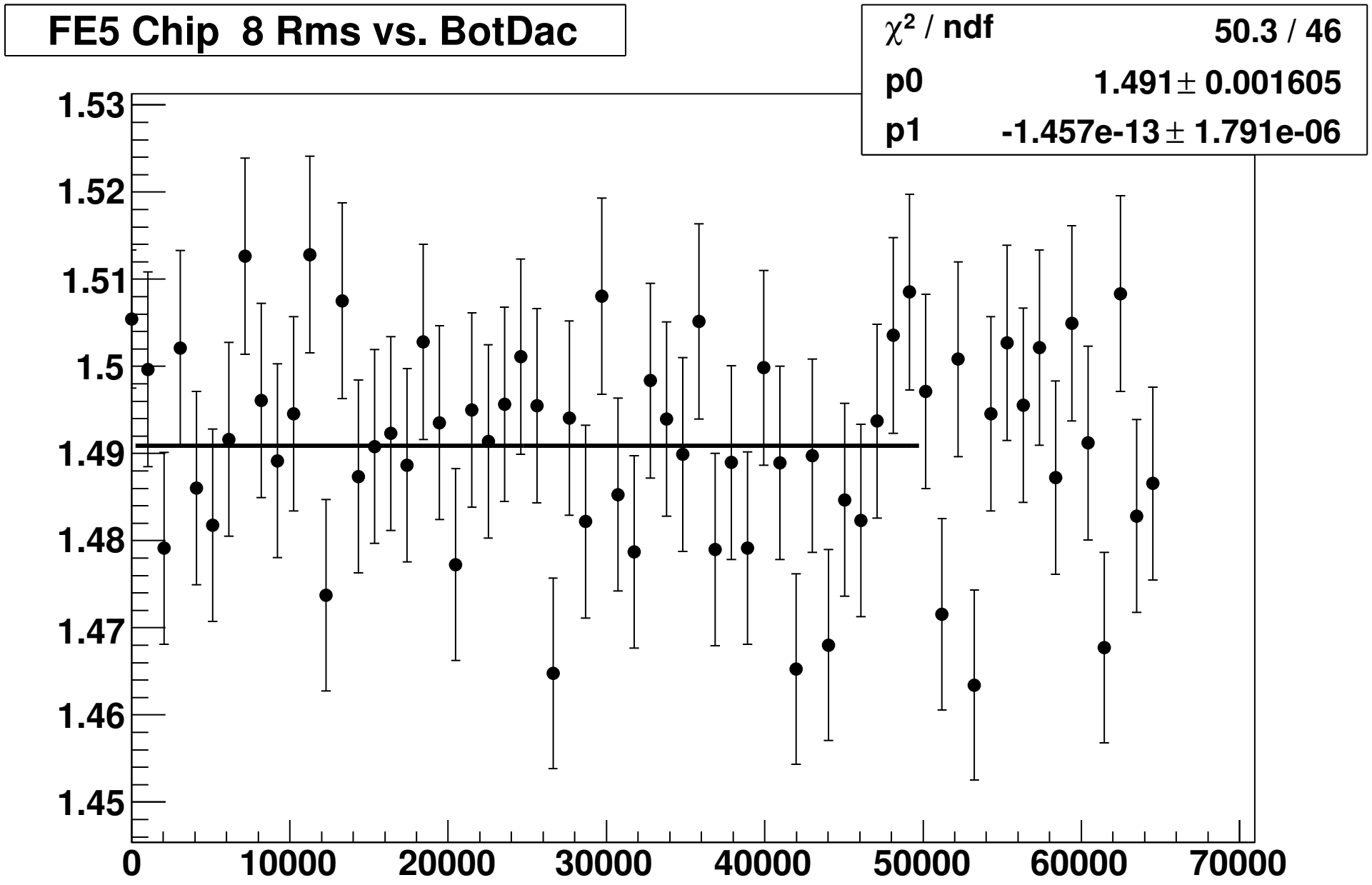
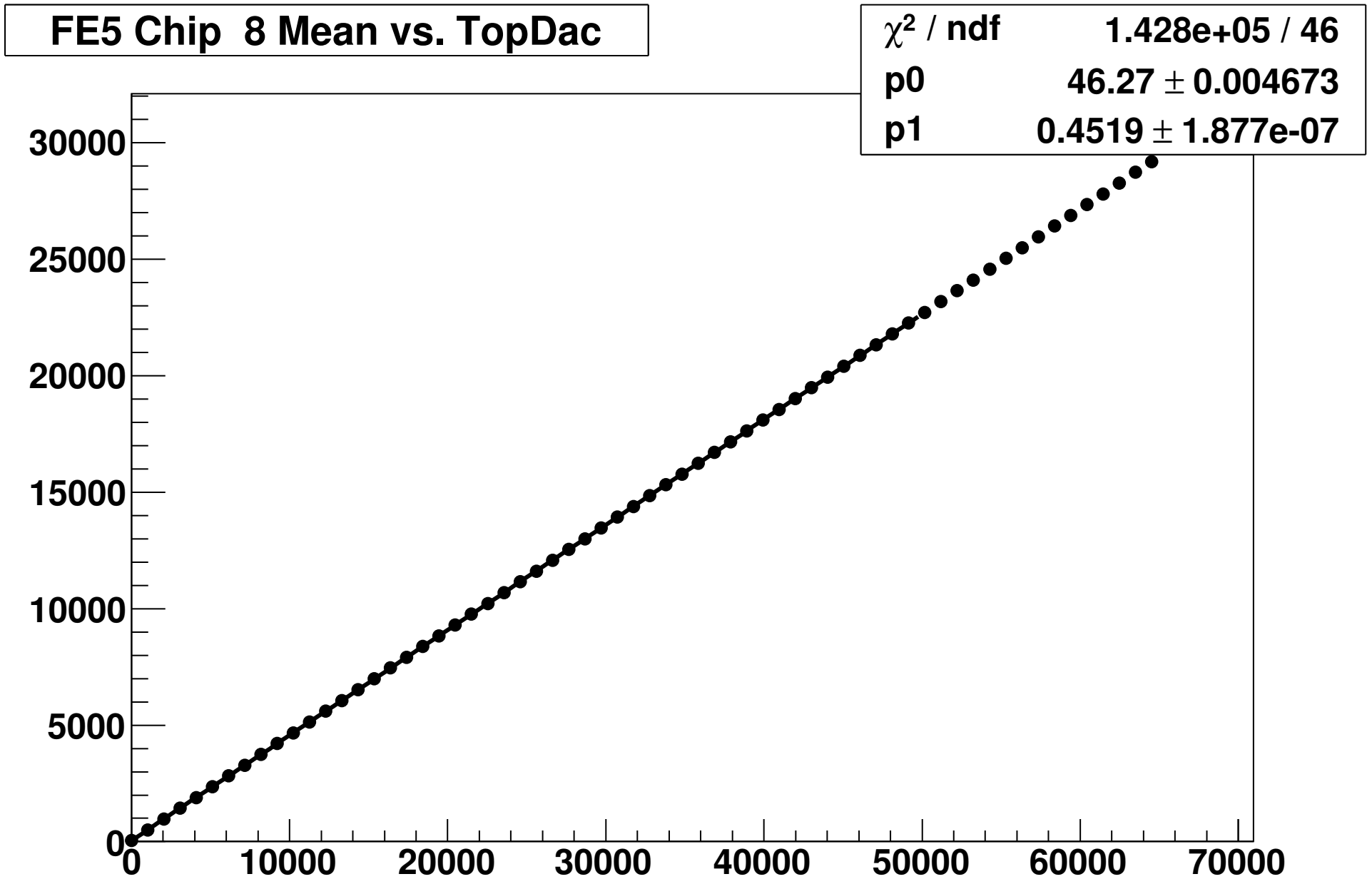
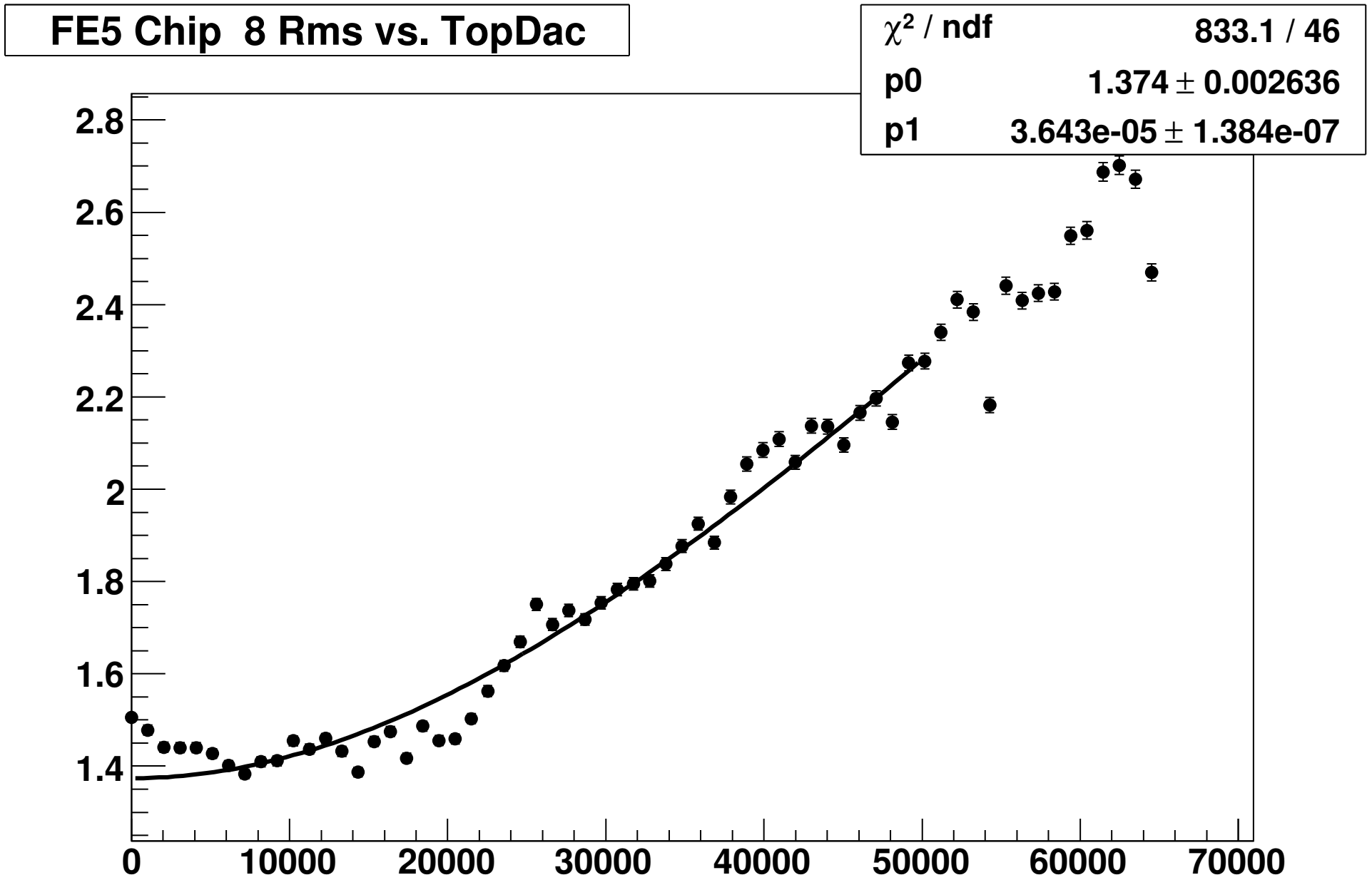
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

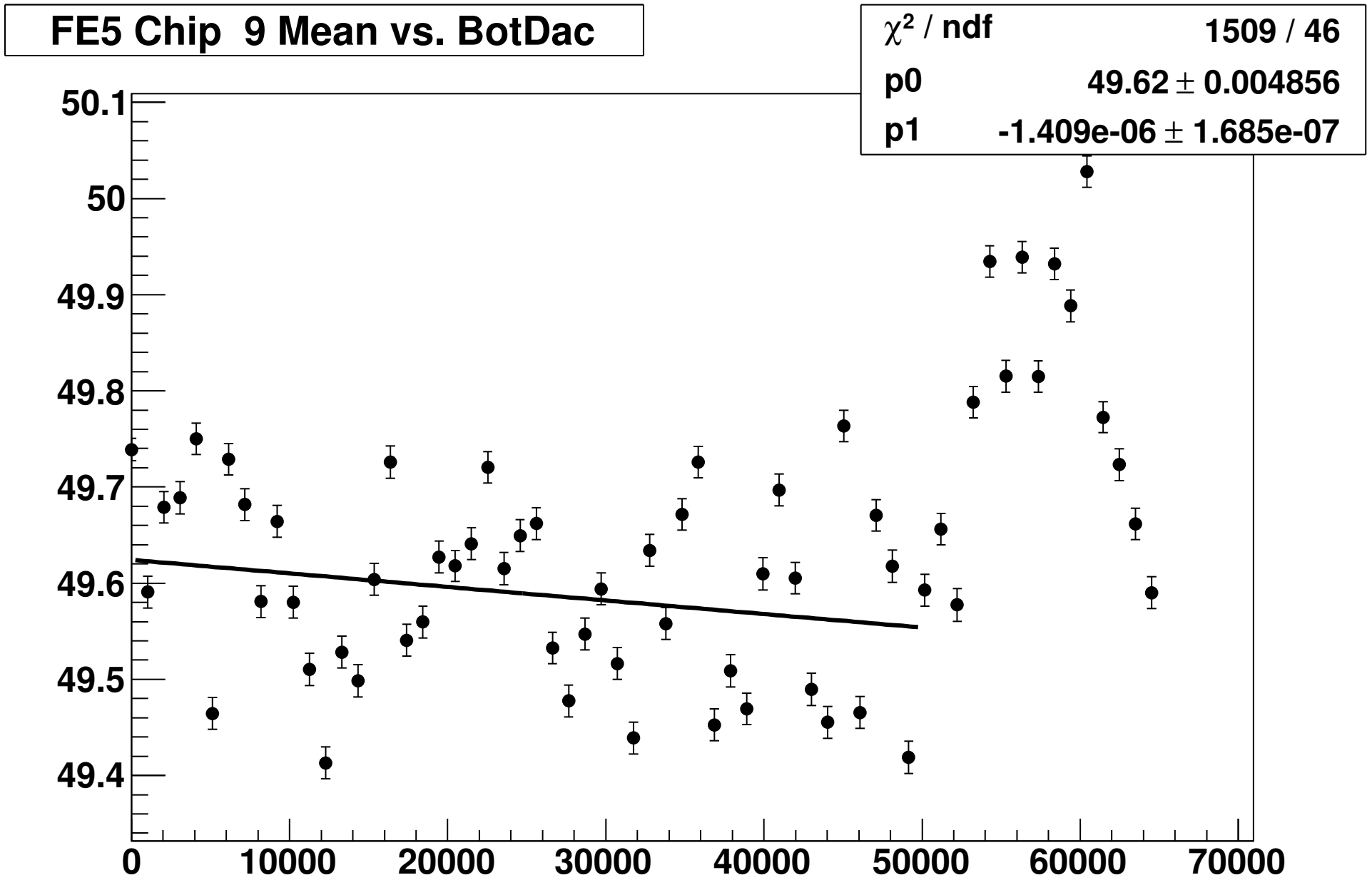

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1300 / 46
p0 1.385 ± 0.002655
p1 3.628e-05 ± 1.401e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

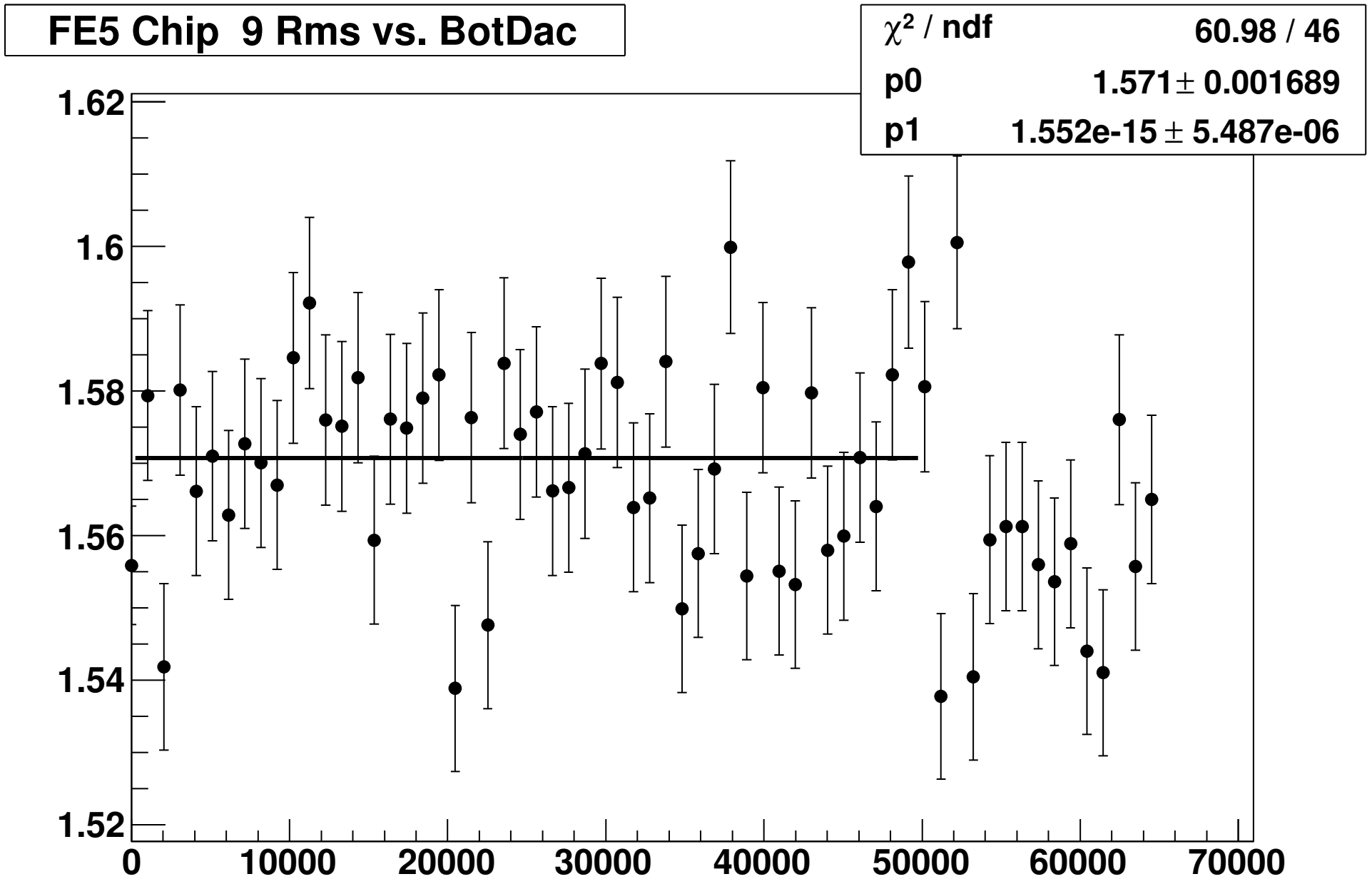

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1512 / 46
p0 44.02 ± 0.004615
p1 -1.332e-06 ± 1.6e-07
44.4
44.3
44.2
44.1
44
43.9
43.8
0
10000
20000
30000
40000
50000
60000
70000

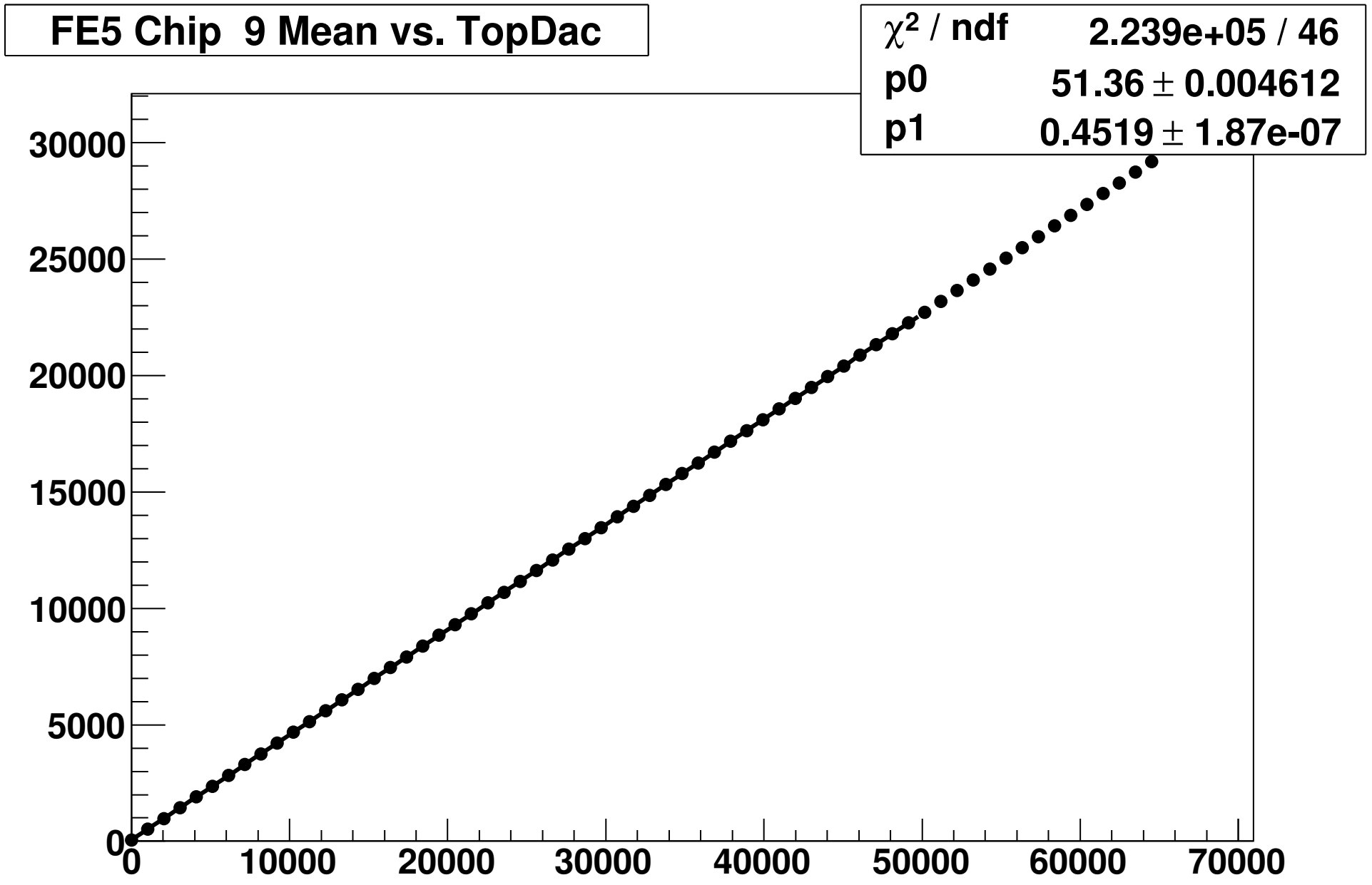

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 50.3 / 46
p0 1.491 ± 0.001605
p1 -1.457e-13 ± 1.791e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

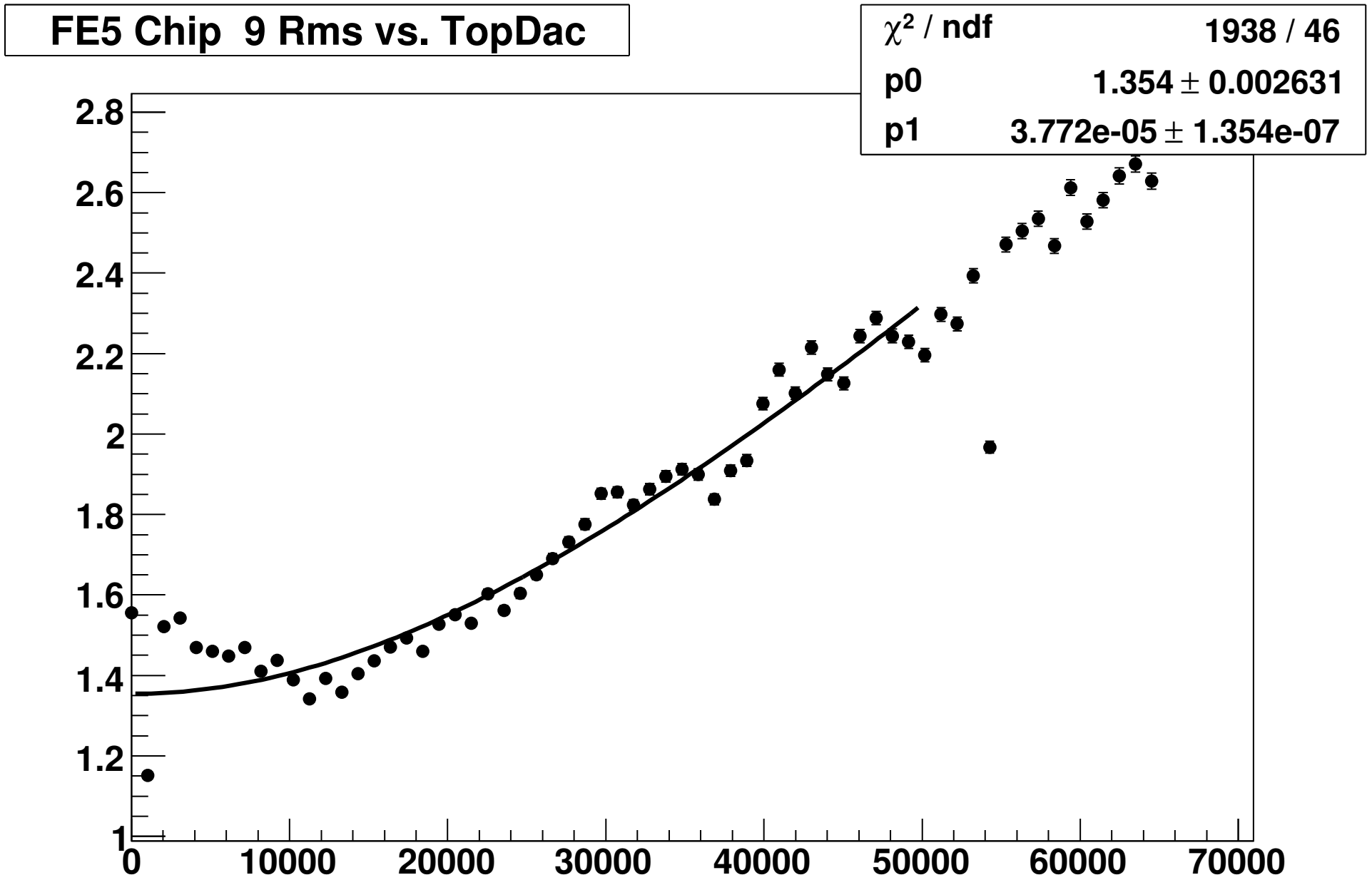

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.428e+05 / 46
p0 46.27 ± 0.004673
p1 0.4519 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

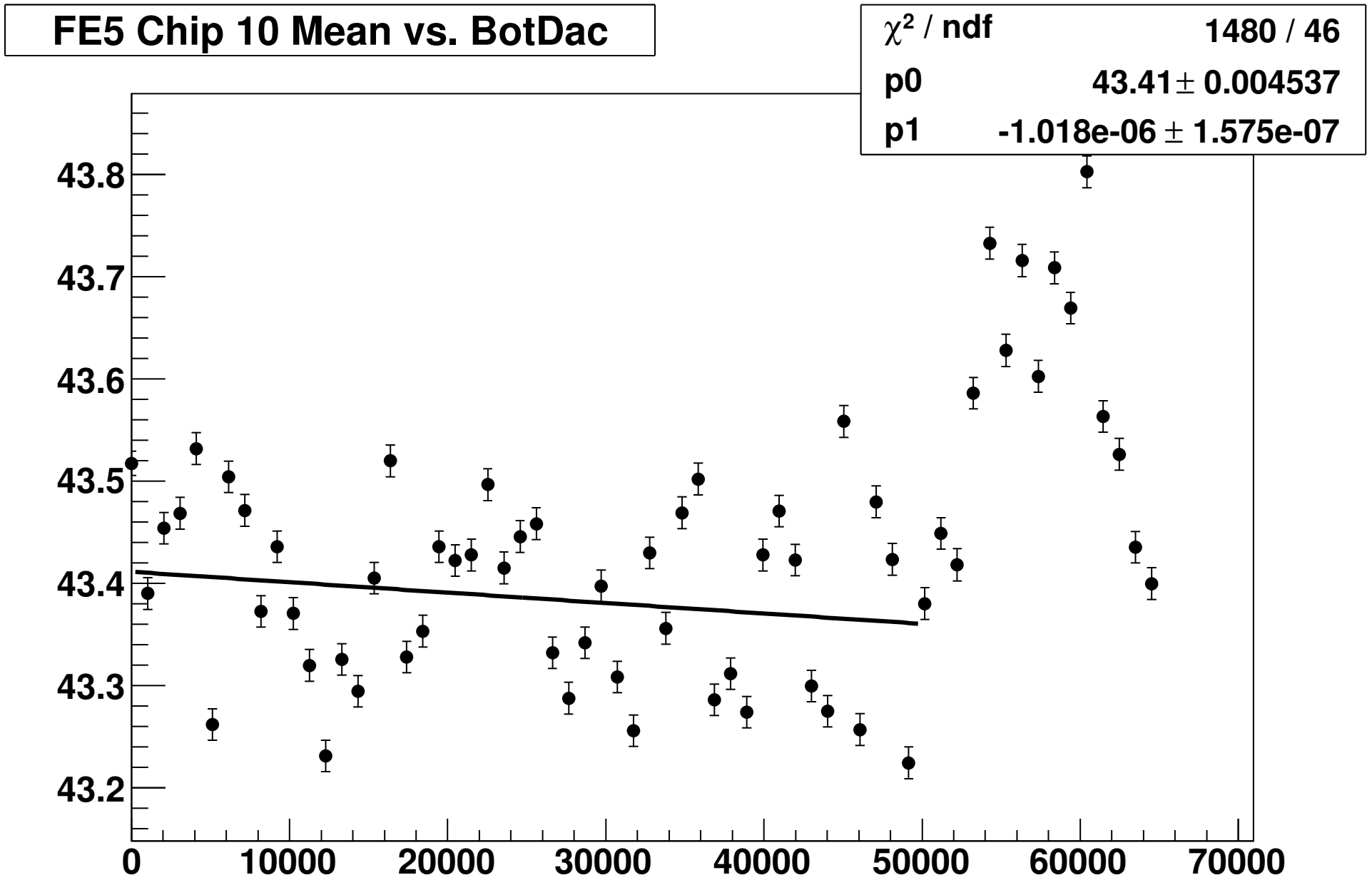

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 833.1 / 46
p0 1.374 ± 0.002636
p1 3.643e-05 ± 1.384e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

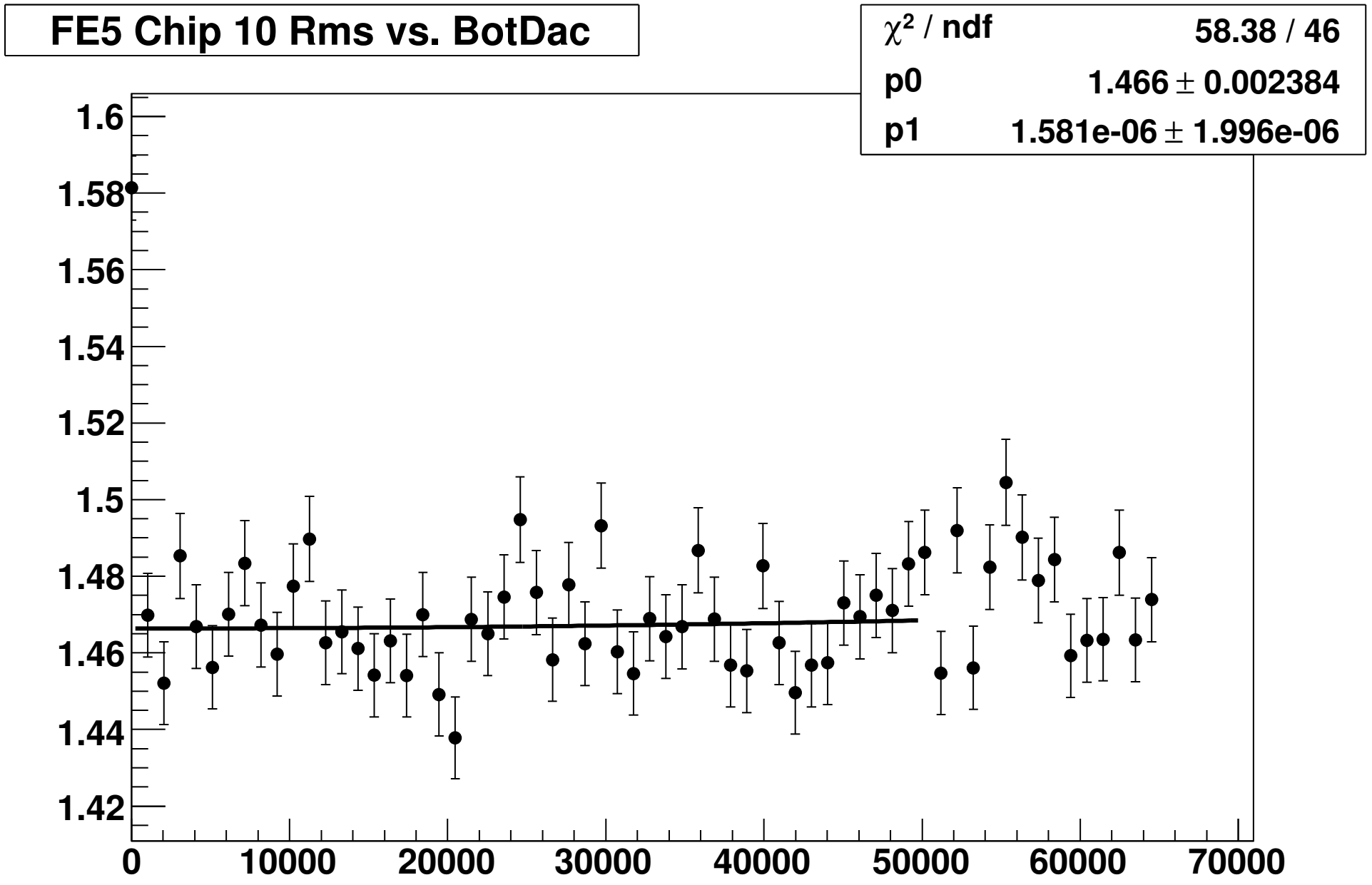

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 1509 / 46
p0 49.62 ± 0.004856
p1 -1.409e-06 ± 1.685e-07
50.1
50
49.9
49.8
49.7
49.6
49.5
49.4
0
10000
20000
30000
40000
50000
60000
70000

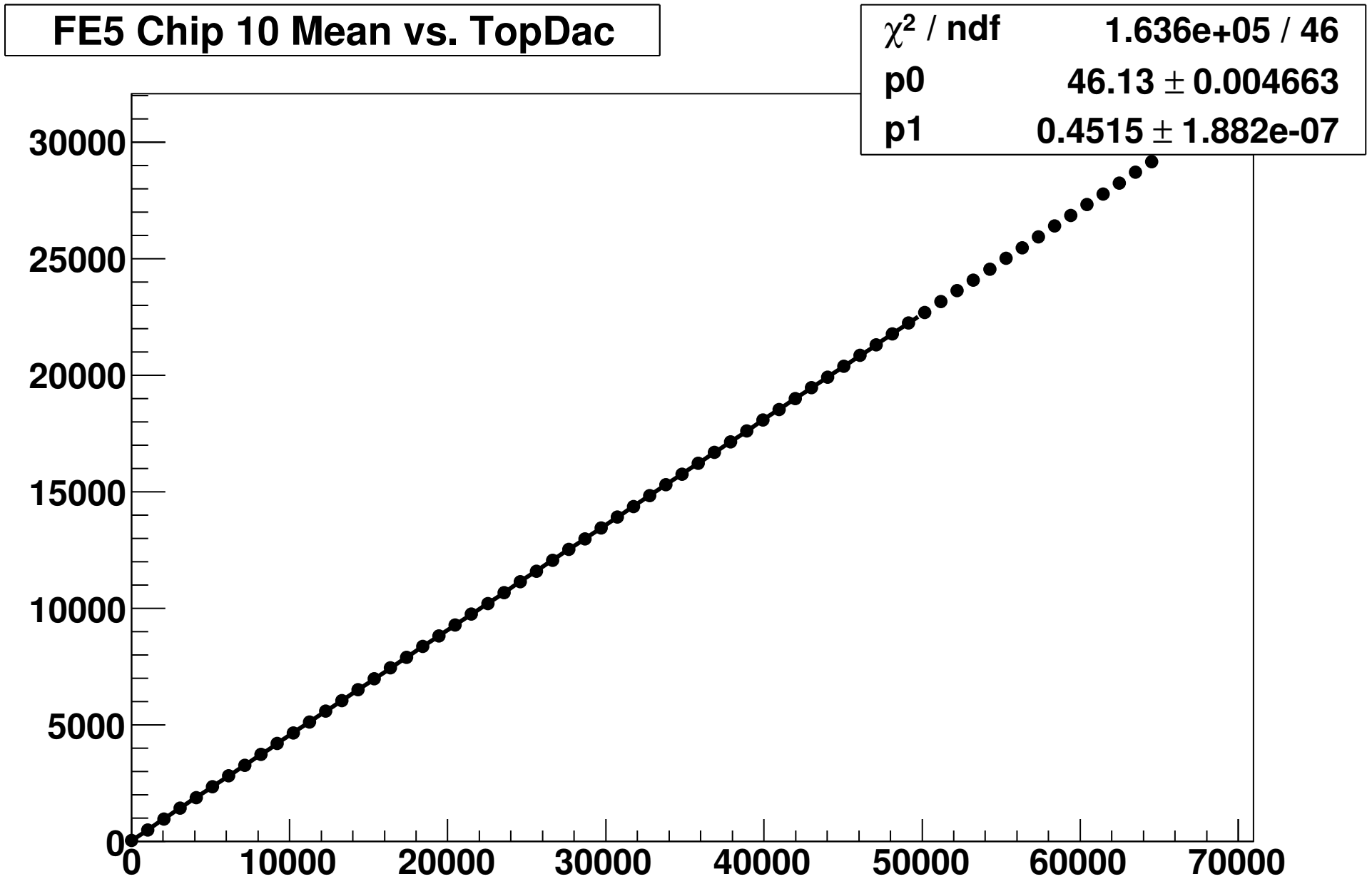

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 60.98 / 46
p0 1.571 ± 0.001689
p1 1.552e-15 ± 5.487e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

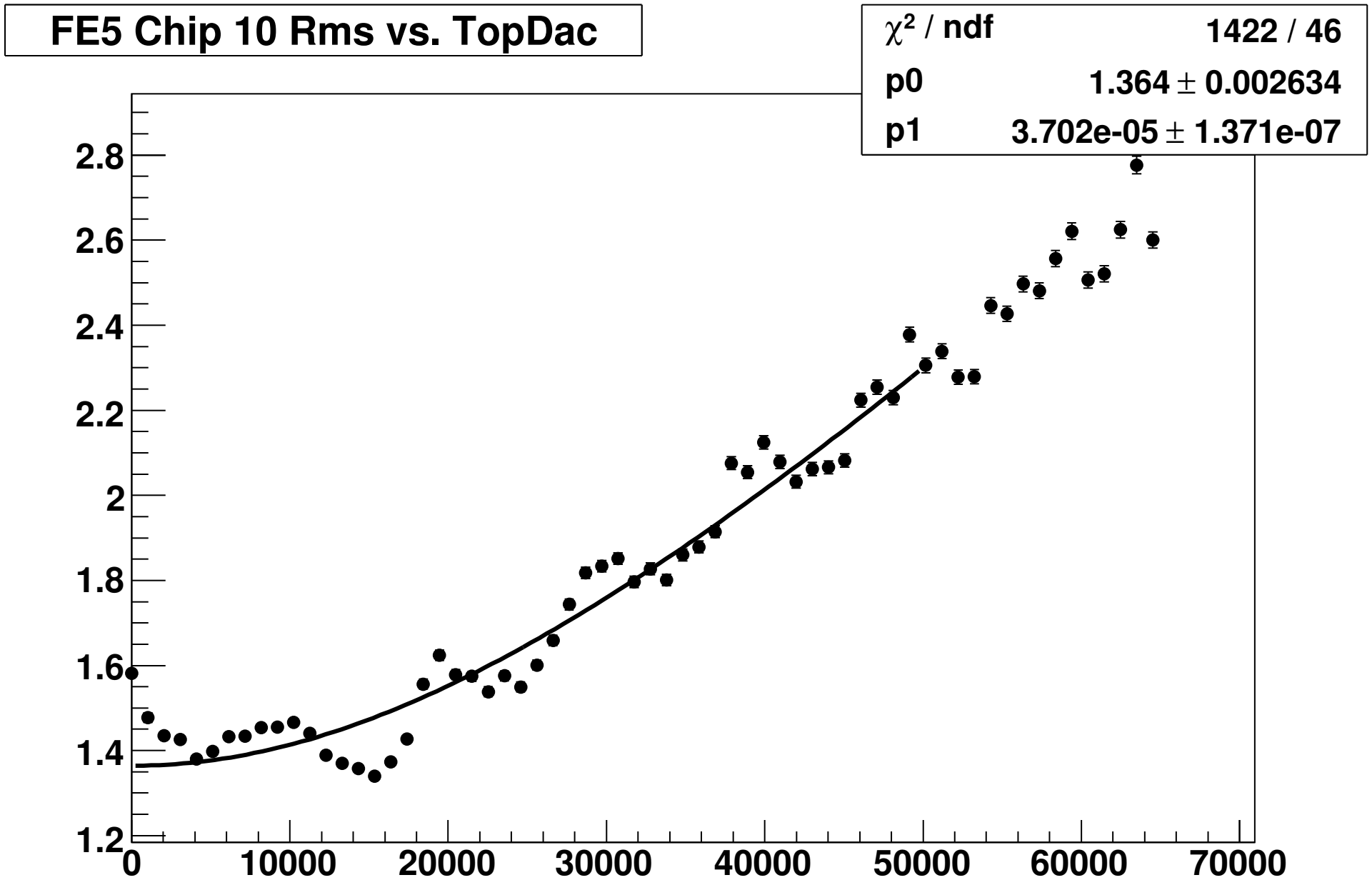

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 2.239e+05 / 46
p0 51.36 ± 0.004612
p1 0.4519 ± 1.87e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

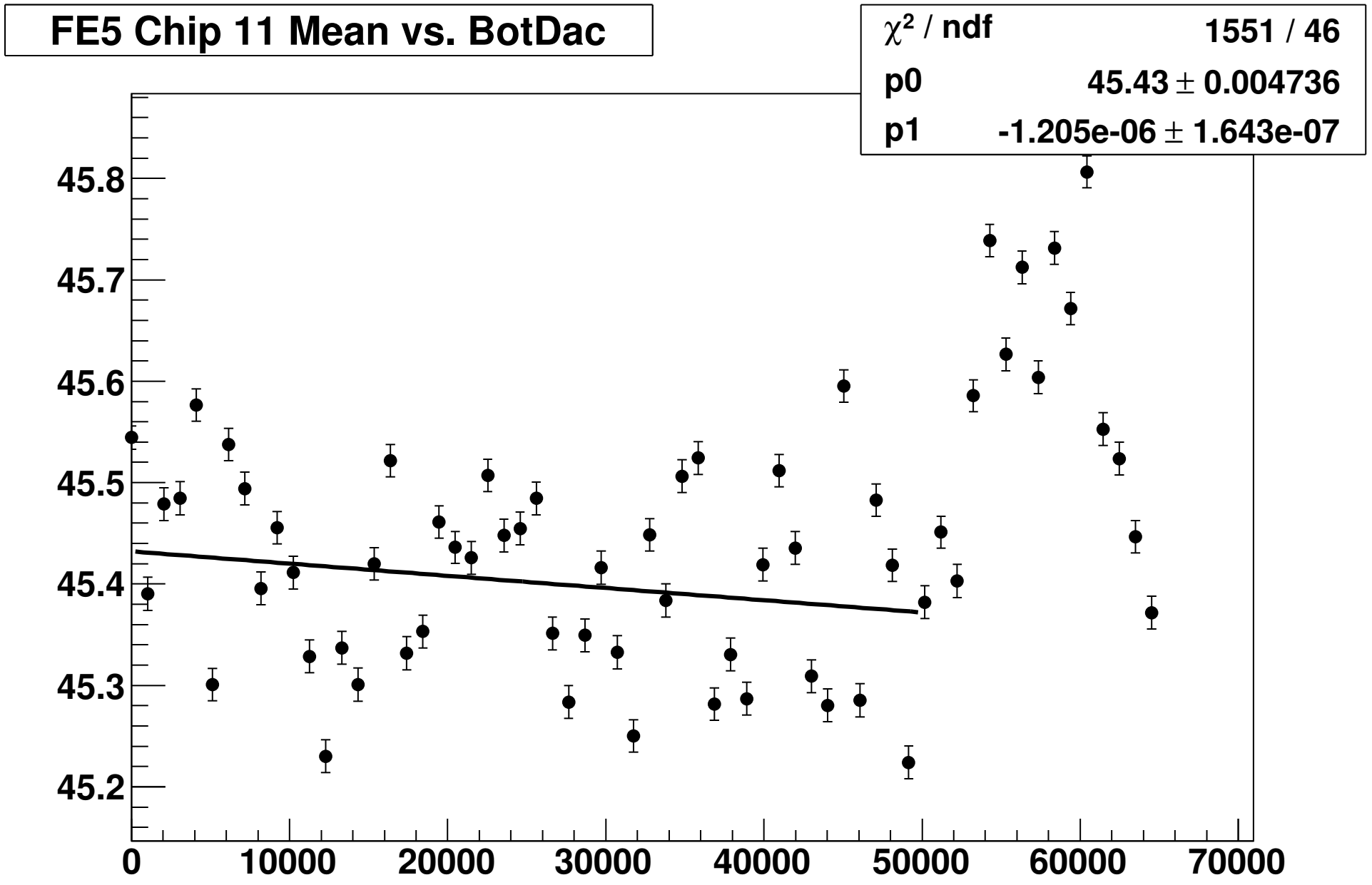

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1938 / 46
p0 1.354 ± 0.002631
p1 3.772e-05 ± 1.354e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000

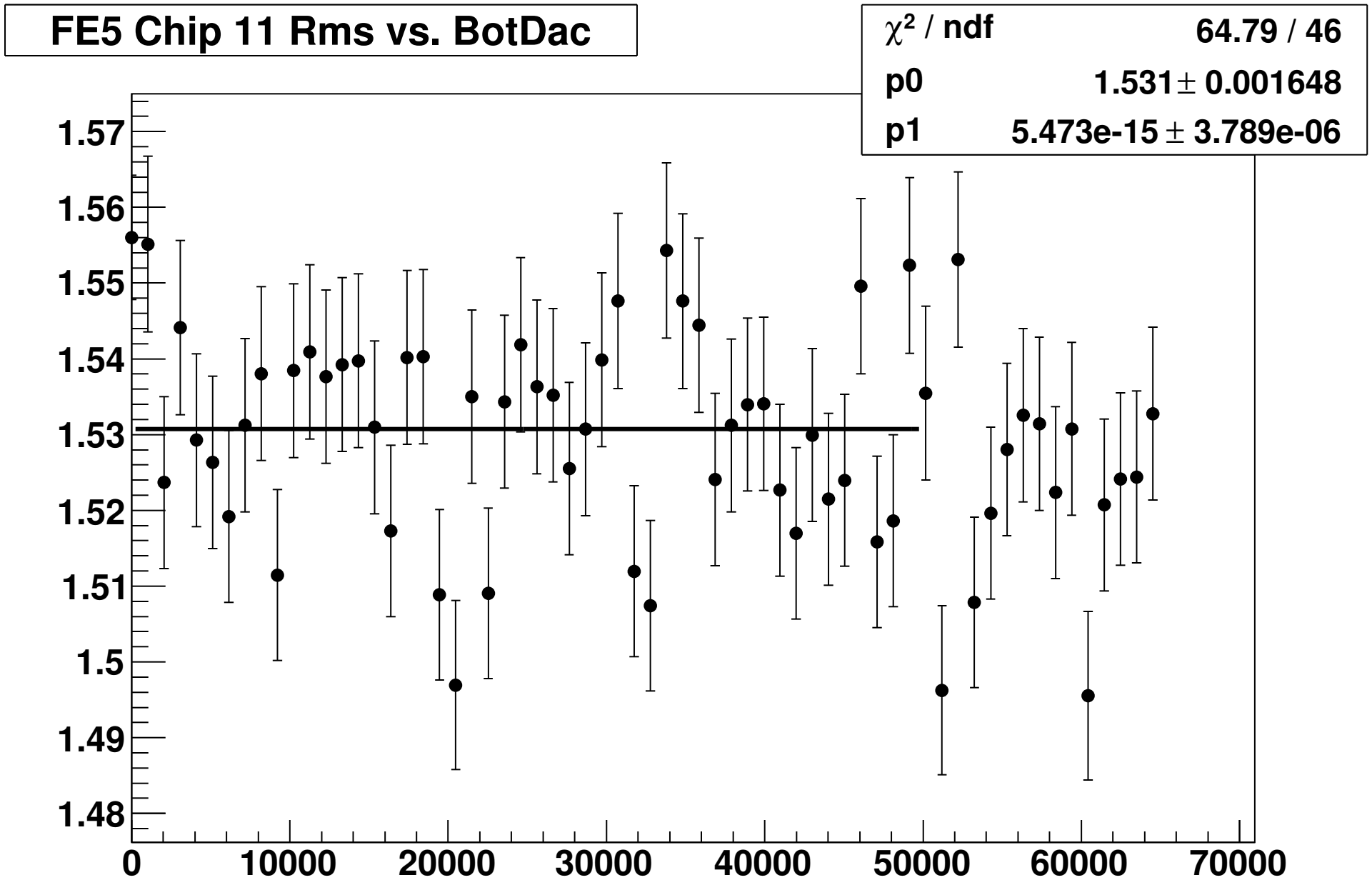

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 1480 / 46
p0 43.41 ± 0.004537
p1 -1.018e-06 ± 1.575e-07
43.8
43.7
43.6
43.5
43.4
43.3
43.2
0
10000
20000
30000
40000
50000
60000
70000

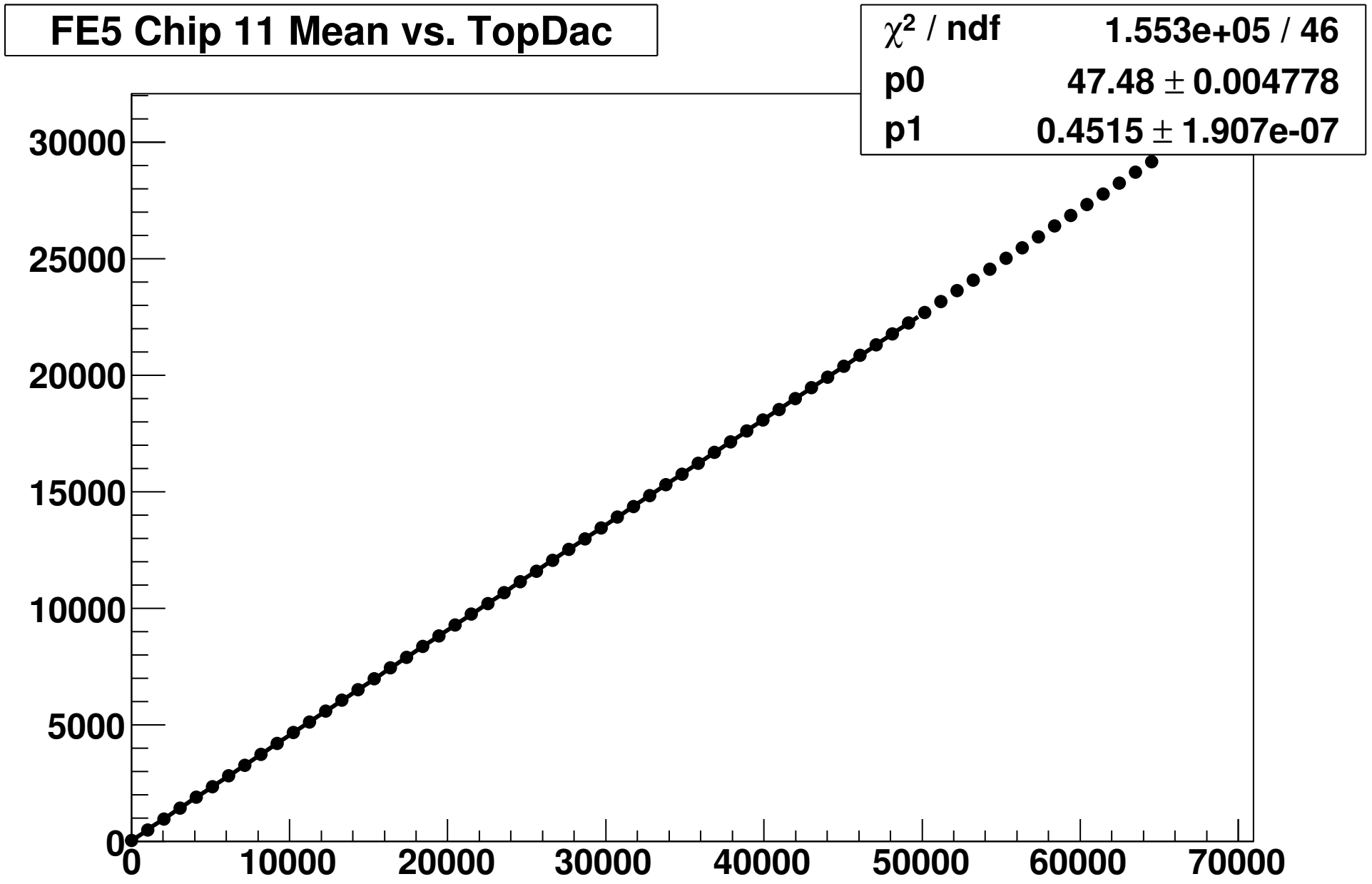

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 58.38 / 46
p0 1.466 ± 0.002384
p1 1.581e-06 ± 1.996e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

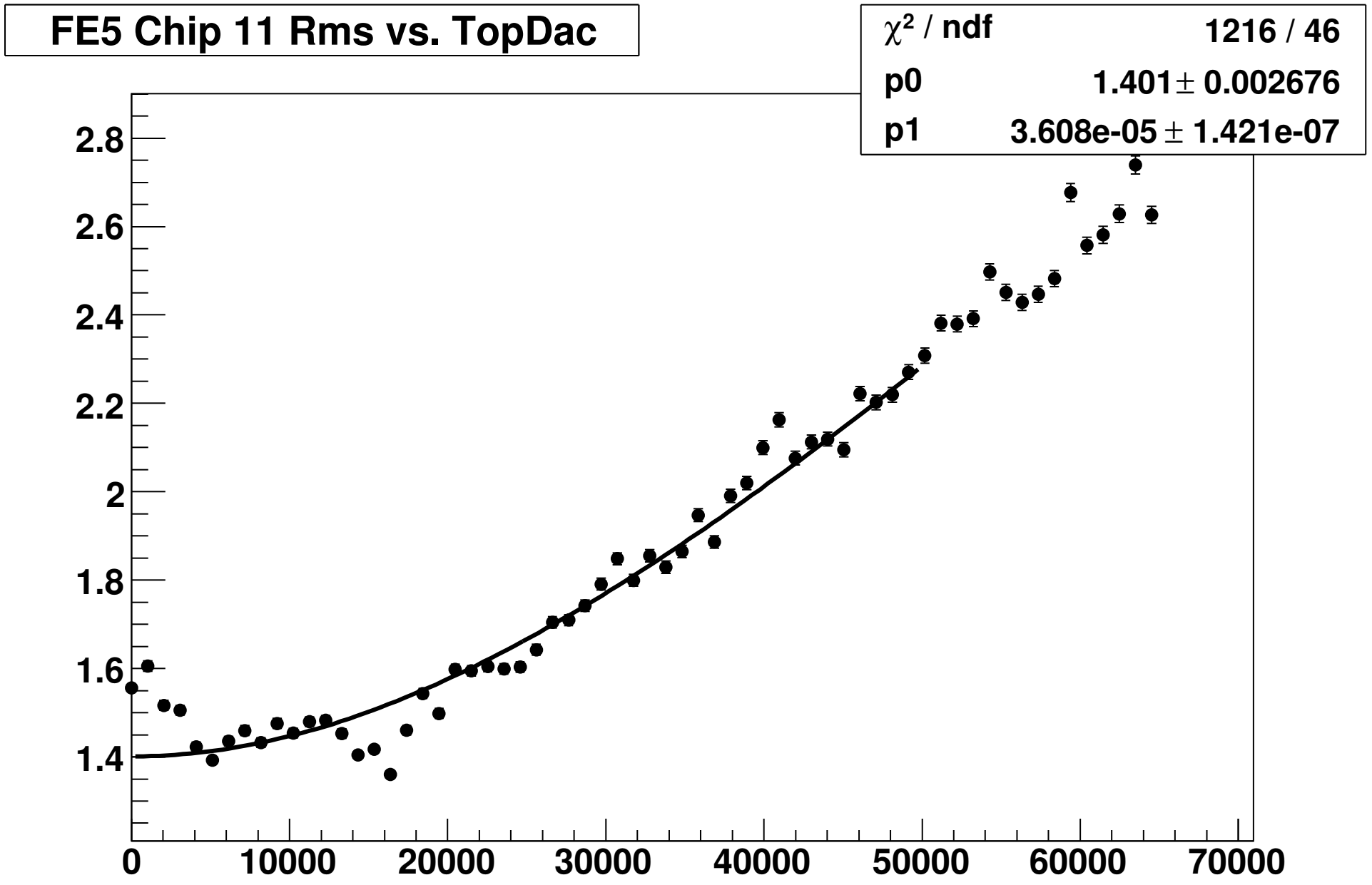

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.636e+05 / 46
p0 46.13 ± 0.004663
p1 0.4515 ± 1.882e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

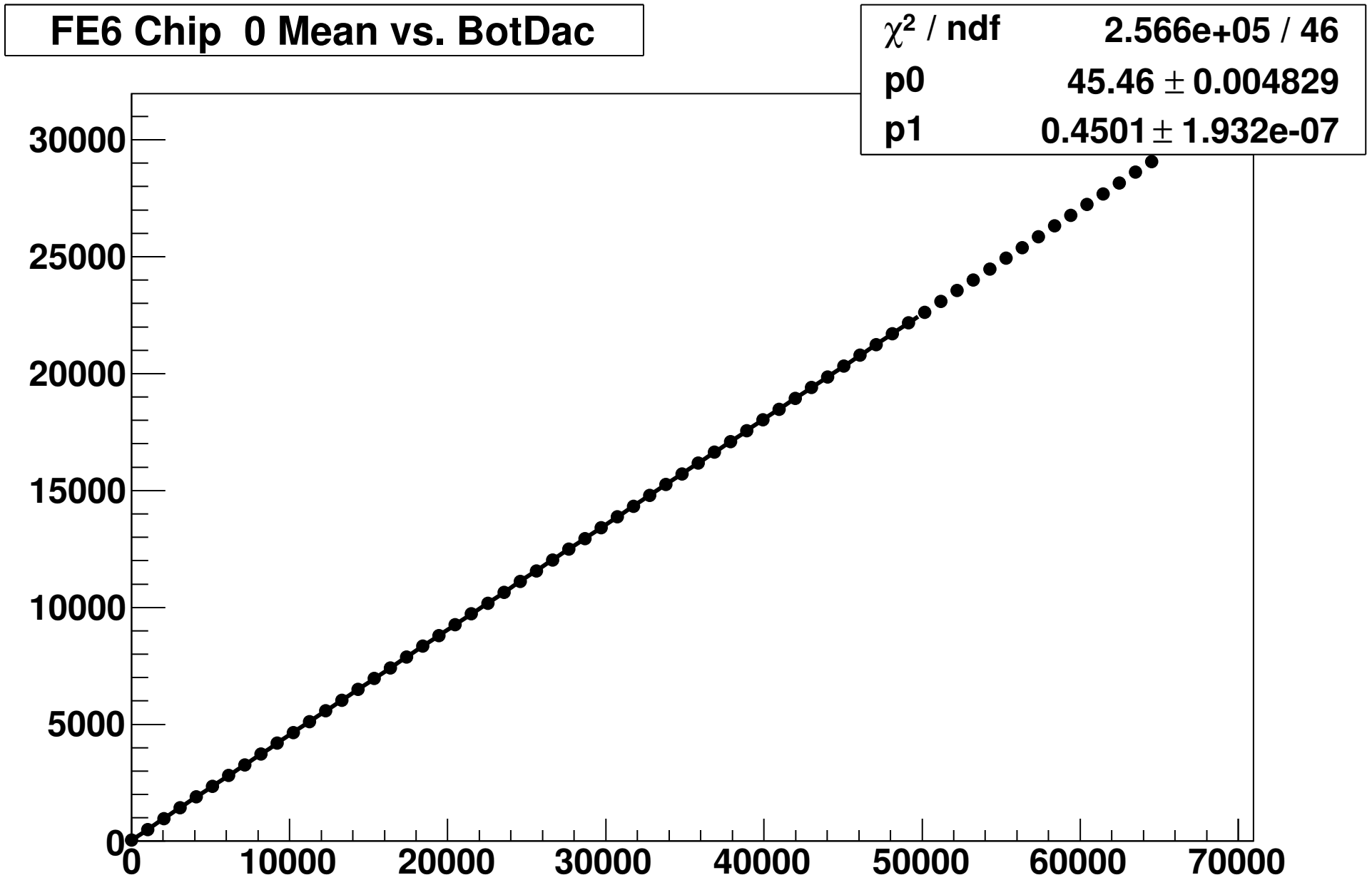

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1422 / 46
p0 1.364 ± 0.002634
p1 3.702e-05 ± 1.371e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1551 / 46
p0 45.43 ± 0.004736
p1 -1.205e-06 ± 1.643e-07
45.8
45.7
45.6
45.5
45.4
45.3
45.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 64.79 / 46
p0 1.531 ± 0.001648
p1 5.473e-15 ± 3.789e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.553e+05 / 46
p0 47.48 ± 0.004778
p1 0.4515 ± 1.907e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1216 / 46
p0 1.401 ± 0.002676
p1 3.608e-05 ± 1.421e-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 2.566e+05 / 46
p0 45.46 ± 0.004829
p1 0.4501 ± 1.932e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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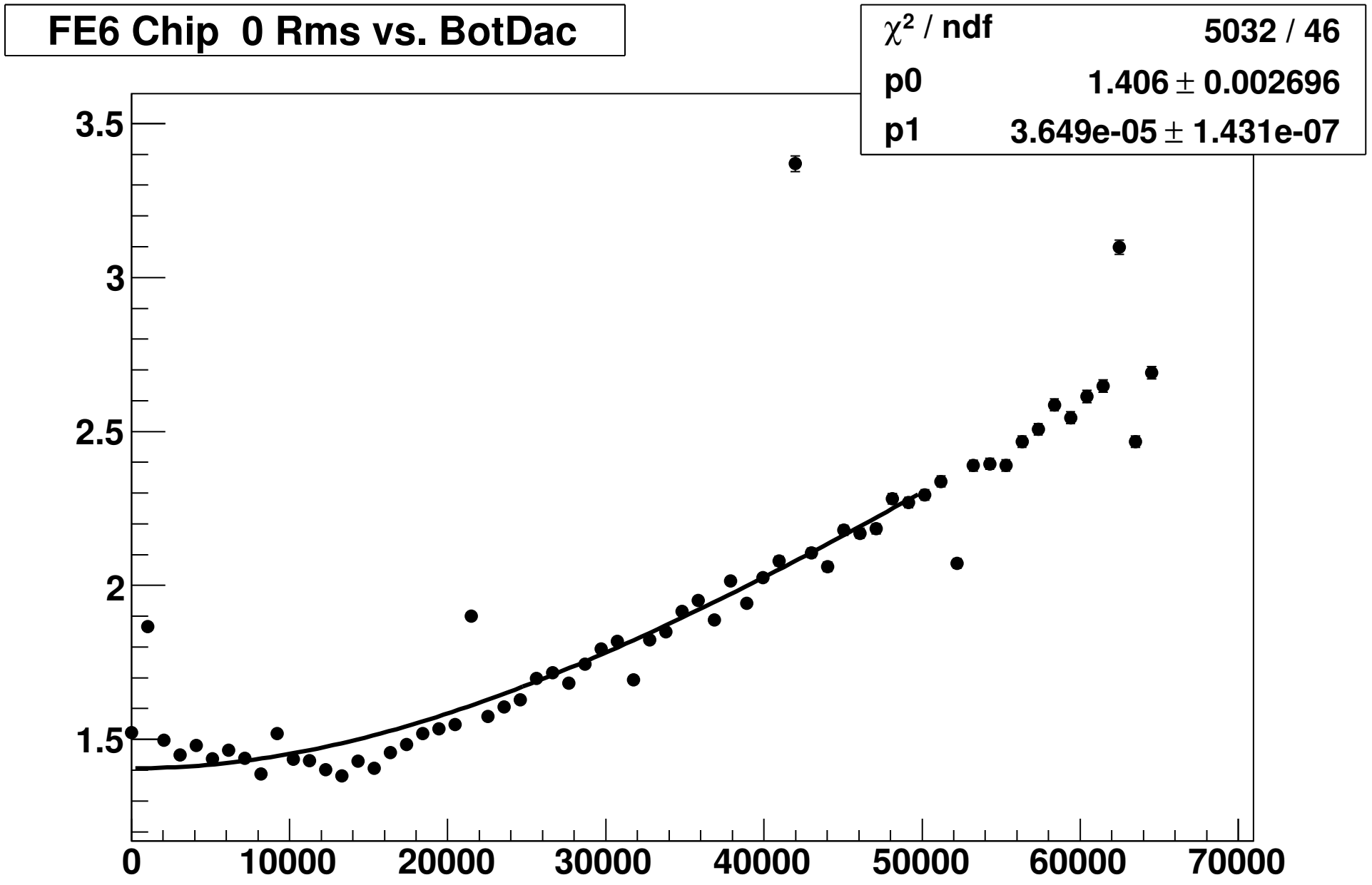
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 5032 / 46
p0 1.406 ± 0.002696
p1 3.649e-05 ± 1.431e-07
3.5
3
2.5
2
1.5
0
10000
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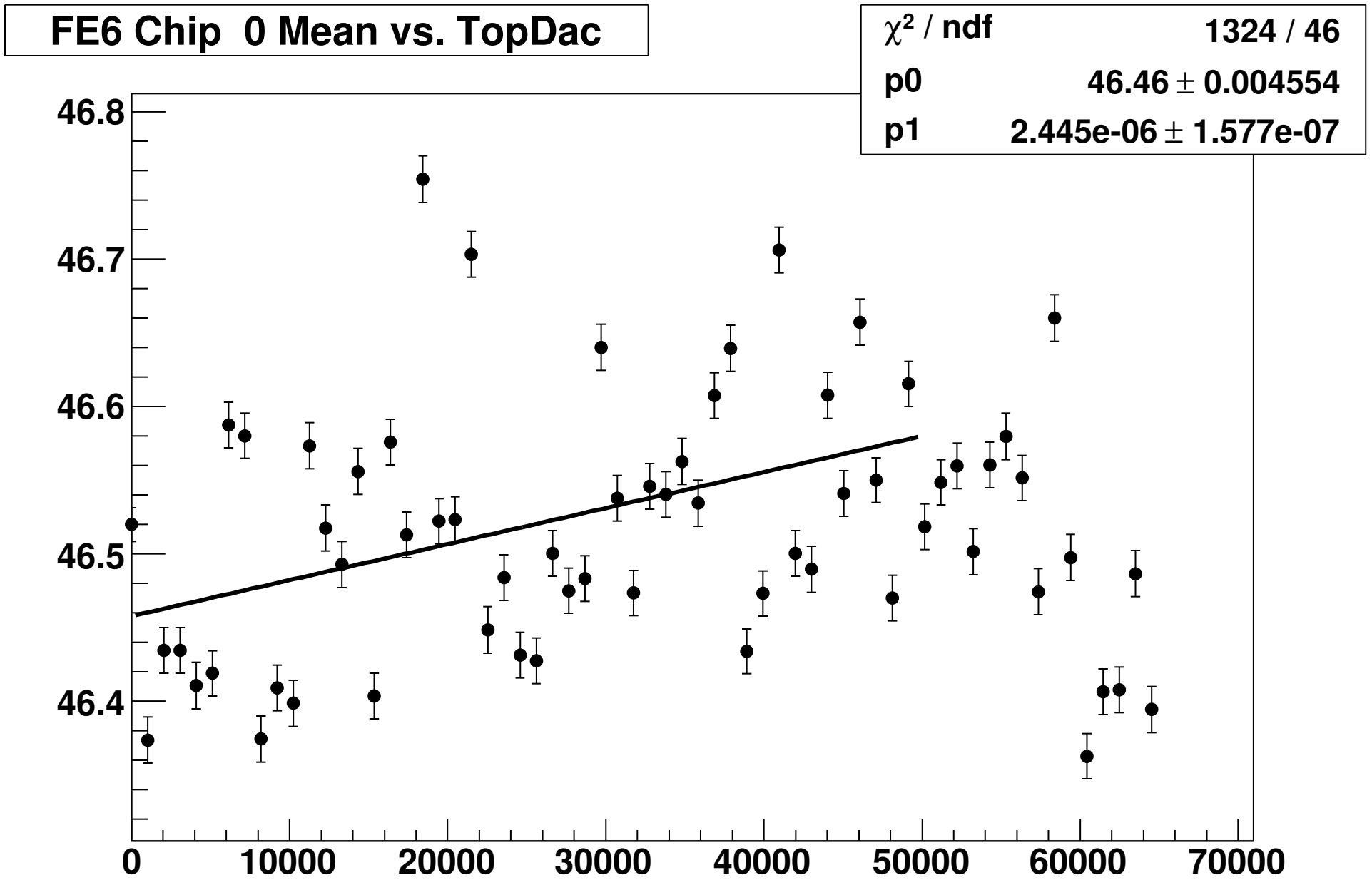
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 1324 / 46
p0 46.46 ± 0.004554
p1 2.445e-06 ± 1.577e-07
46.8
46.7
46.6
46.5
46.4
0
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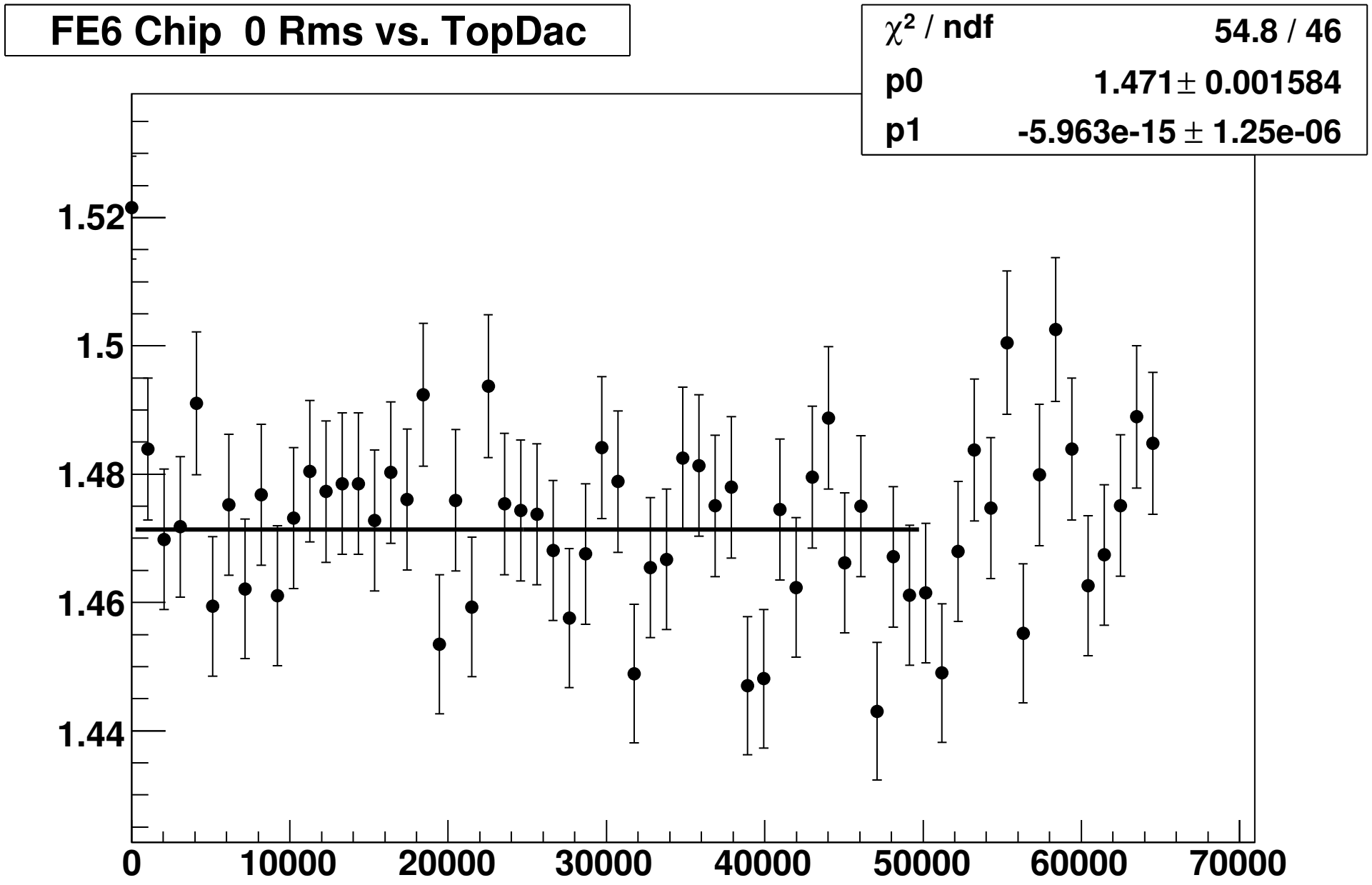
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 54.8 / 46
p0 1.471 ± 0.001584
p1 -5.963e-15 ± 1.25e-06
1.52
1.5
1.48
1.46
1.44
0
10000
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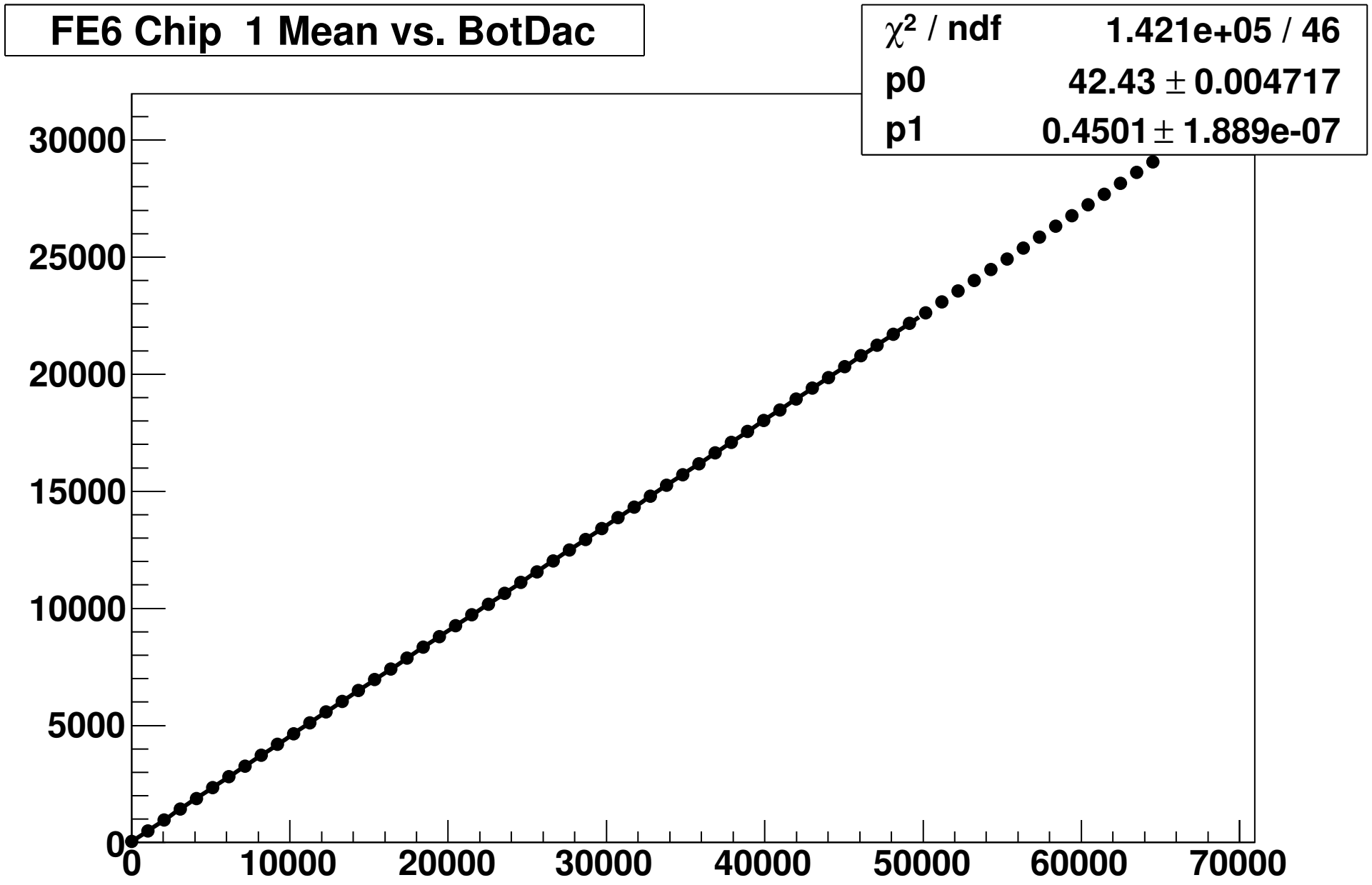
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.421e+05 / 46
p0 42.43 ± 0.004717
p1 0.4501 ± 1.889e-07
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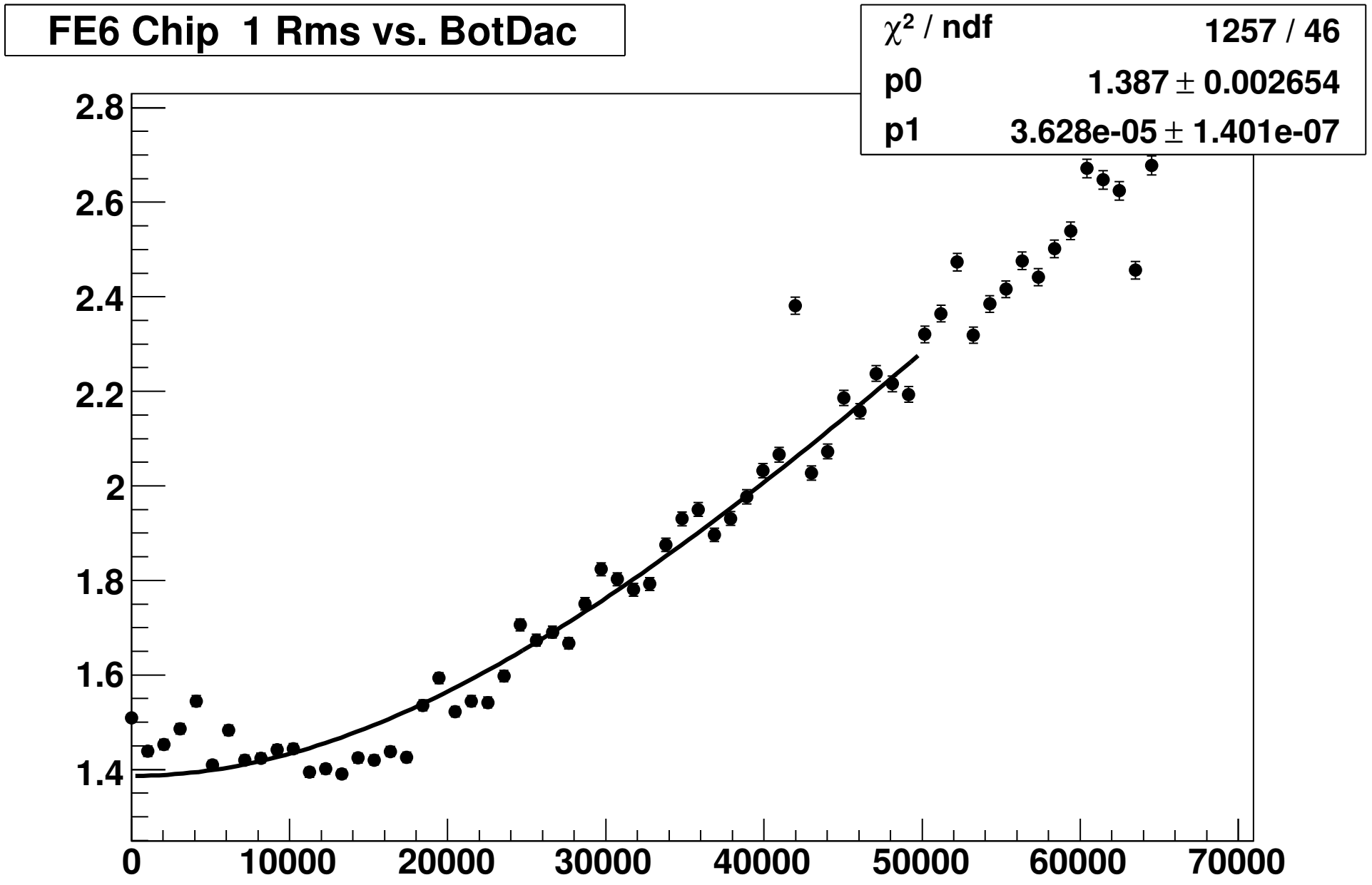
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1257 / 46
p0 1.387 ± 0.002654
p1 3.628e-05 ± 1.401e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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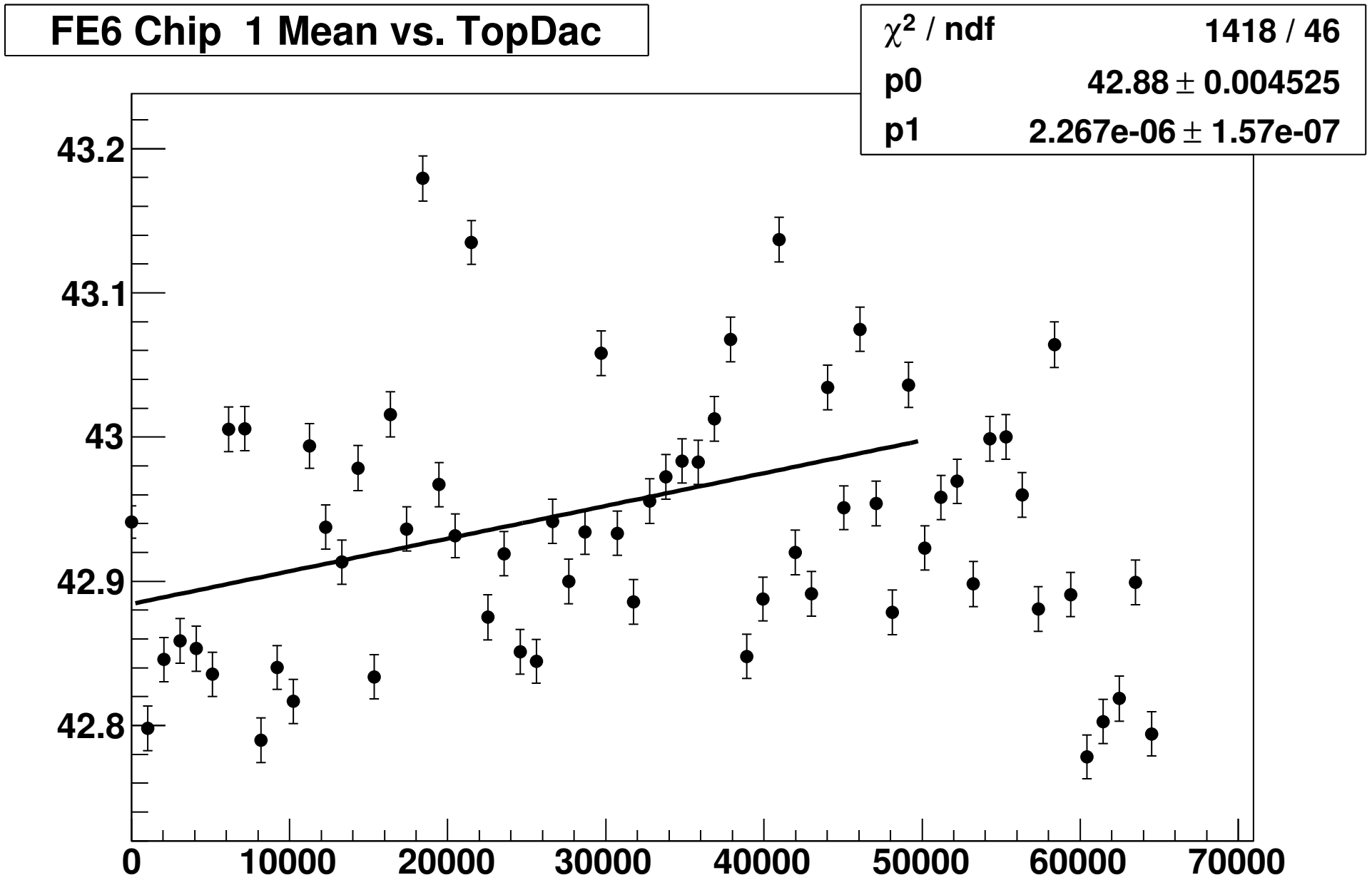
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 1418 / 46
p0 42.88 ± 0.004525
p1 2.267e-06 ± 1.57e-07
43.2
43.1
43
42.9
42.8
0
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50000
60000
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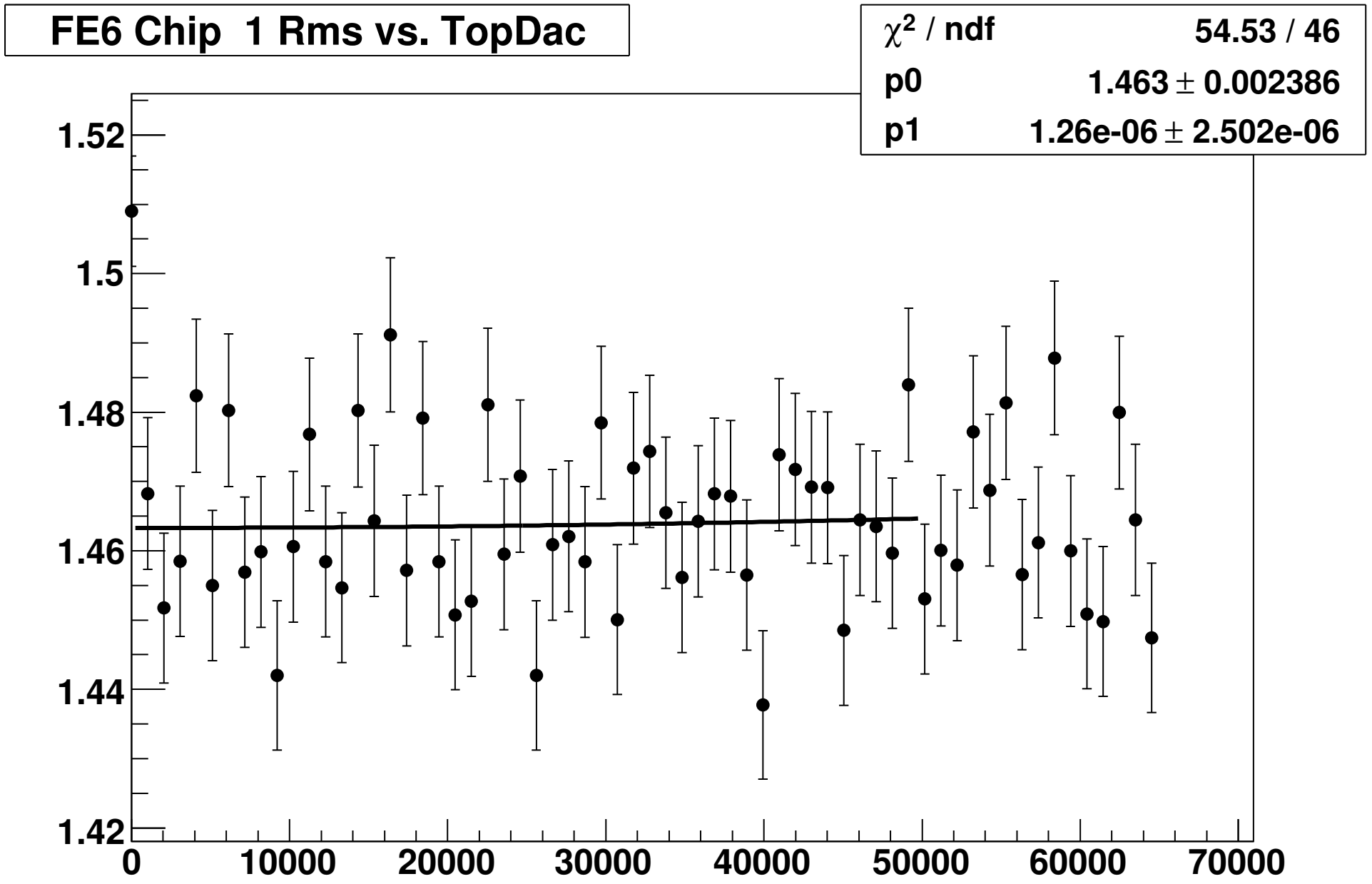
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 54.53 / 46
p0 1.463 ± 0.002386
p1 1.26e-06 ± 2.502e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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60000
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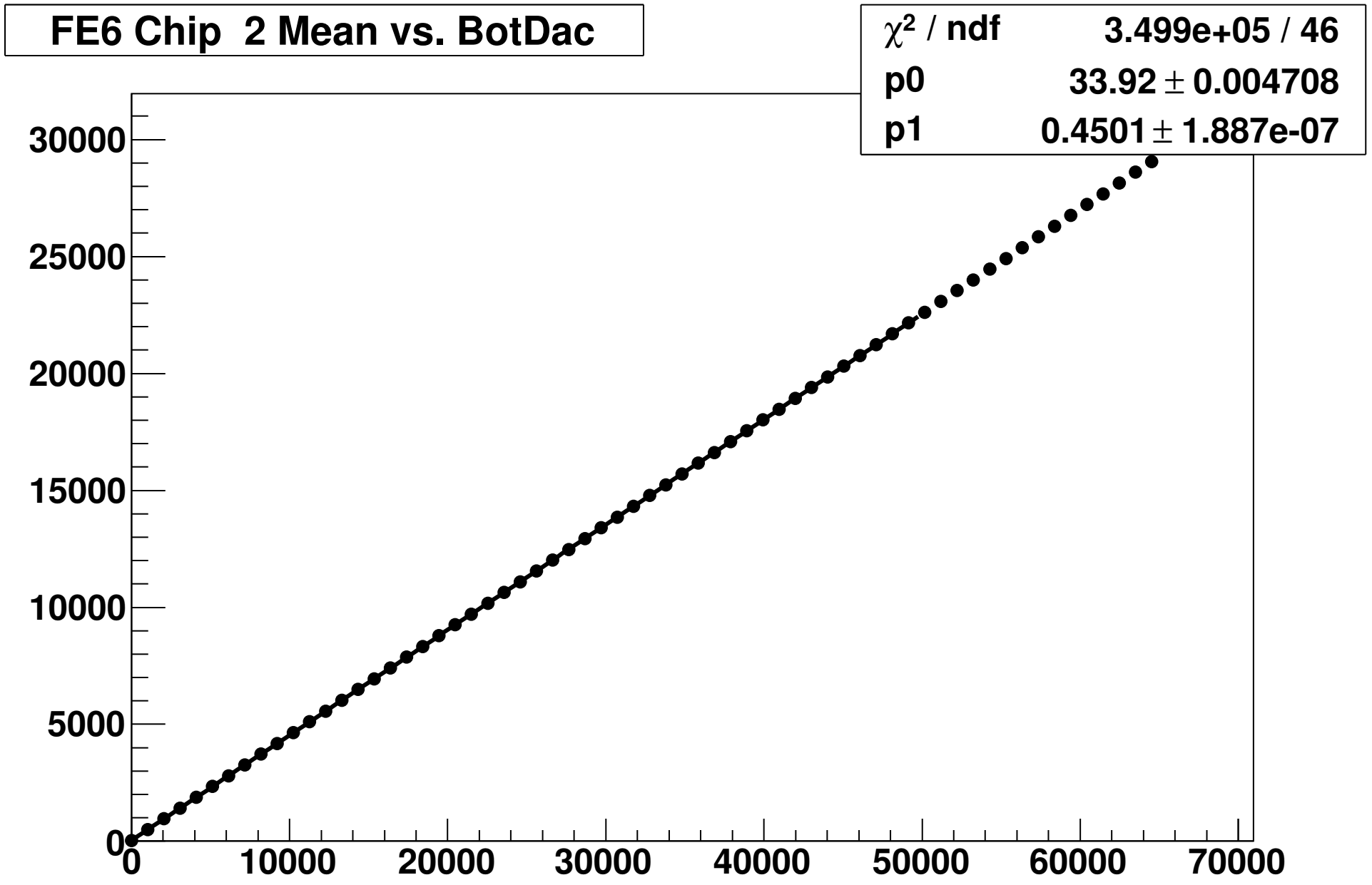
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 3.499e+05 / 46
p0 33.92 ± 0.004708
p1 0.4501 ± 1.887e-07
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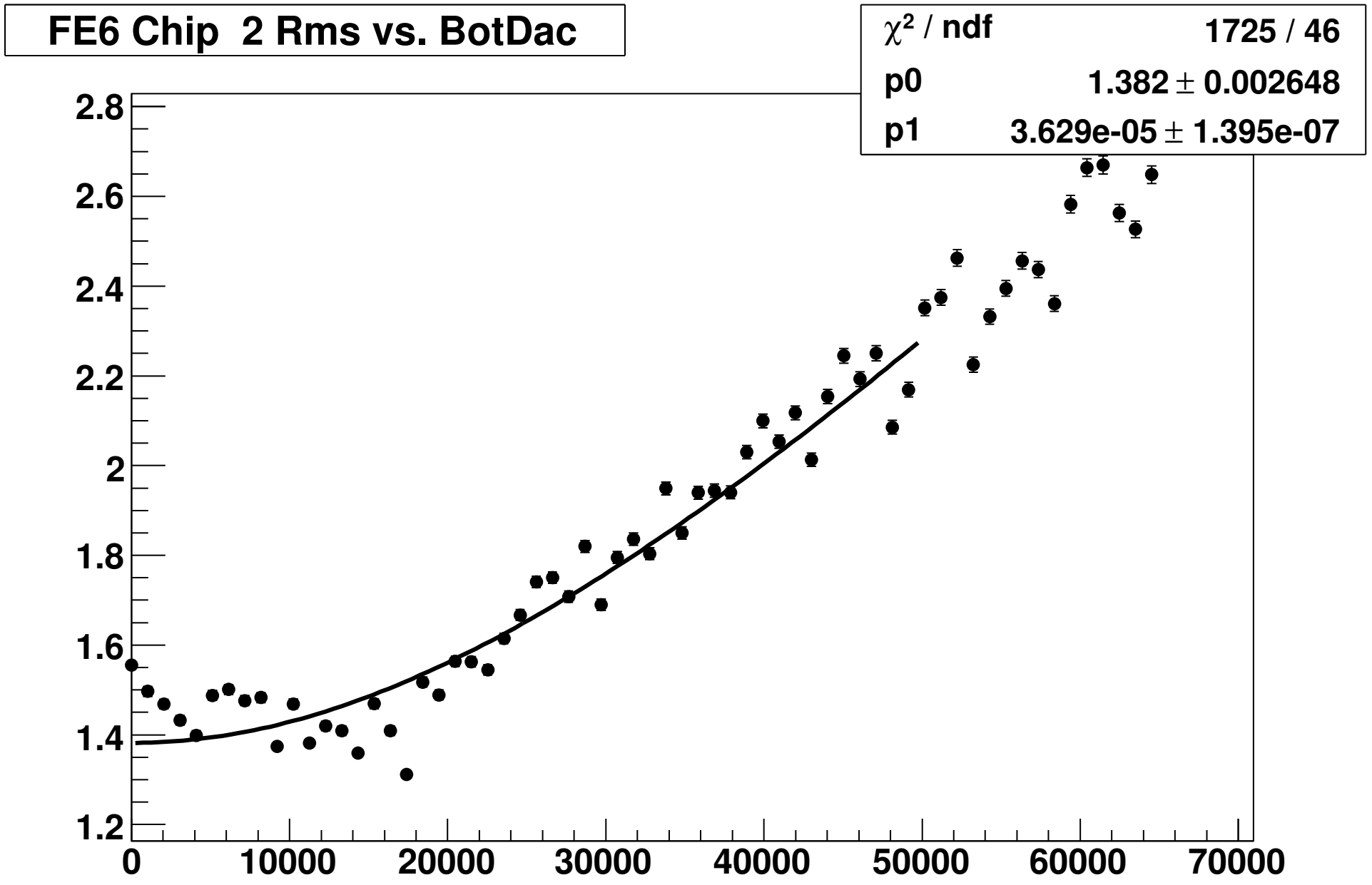
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1725 / 46
p0 1.382 ± 0.002648
p1 3.629e-05 ± 1.395e-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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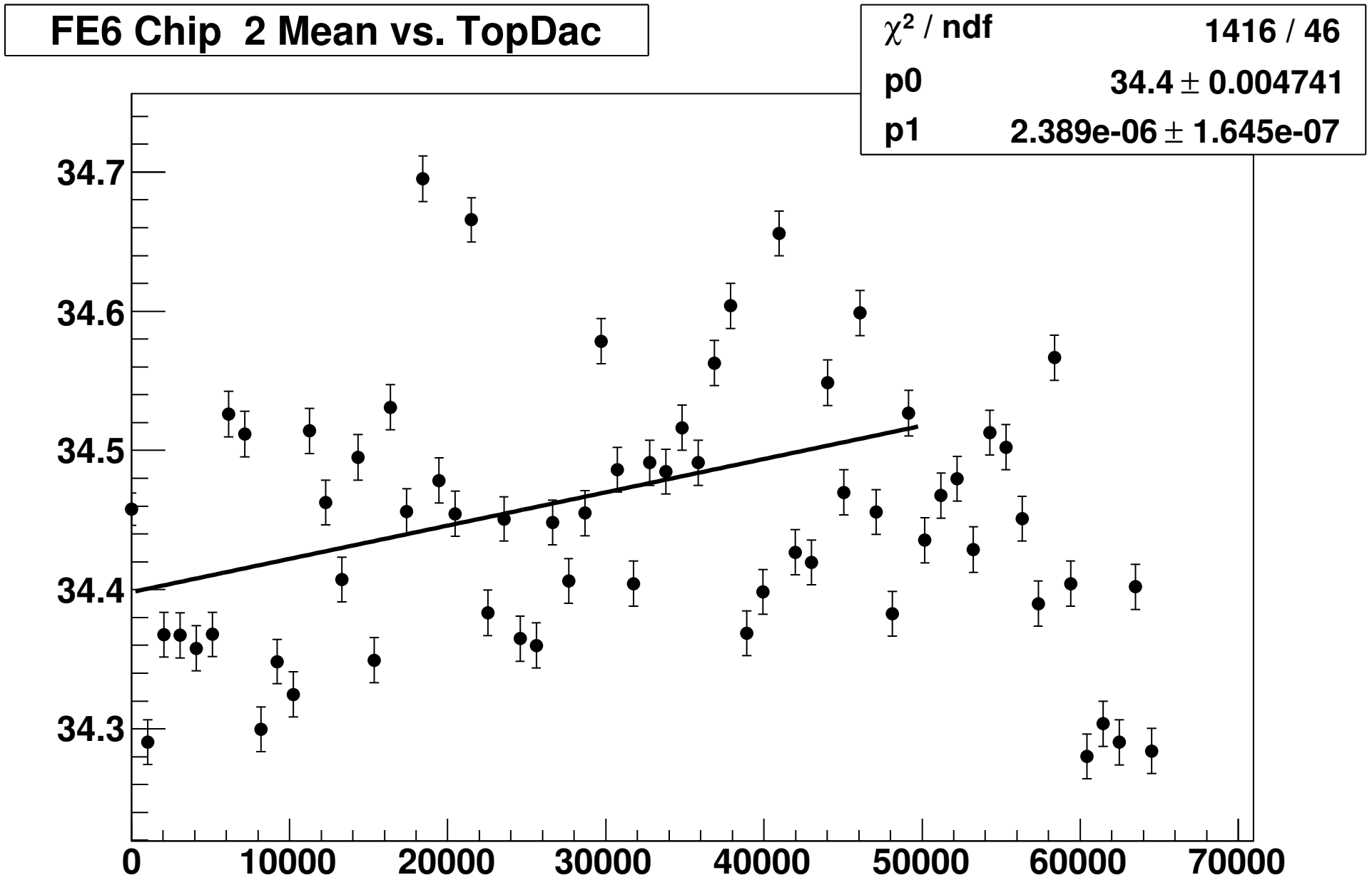
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1416 / 46
p0 34.4 ± 0.004741
p1 2.389e-06 ± 1.645e-07
34.7
34.6
34.5
34.4
34.3
0
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50000
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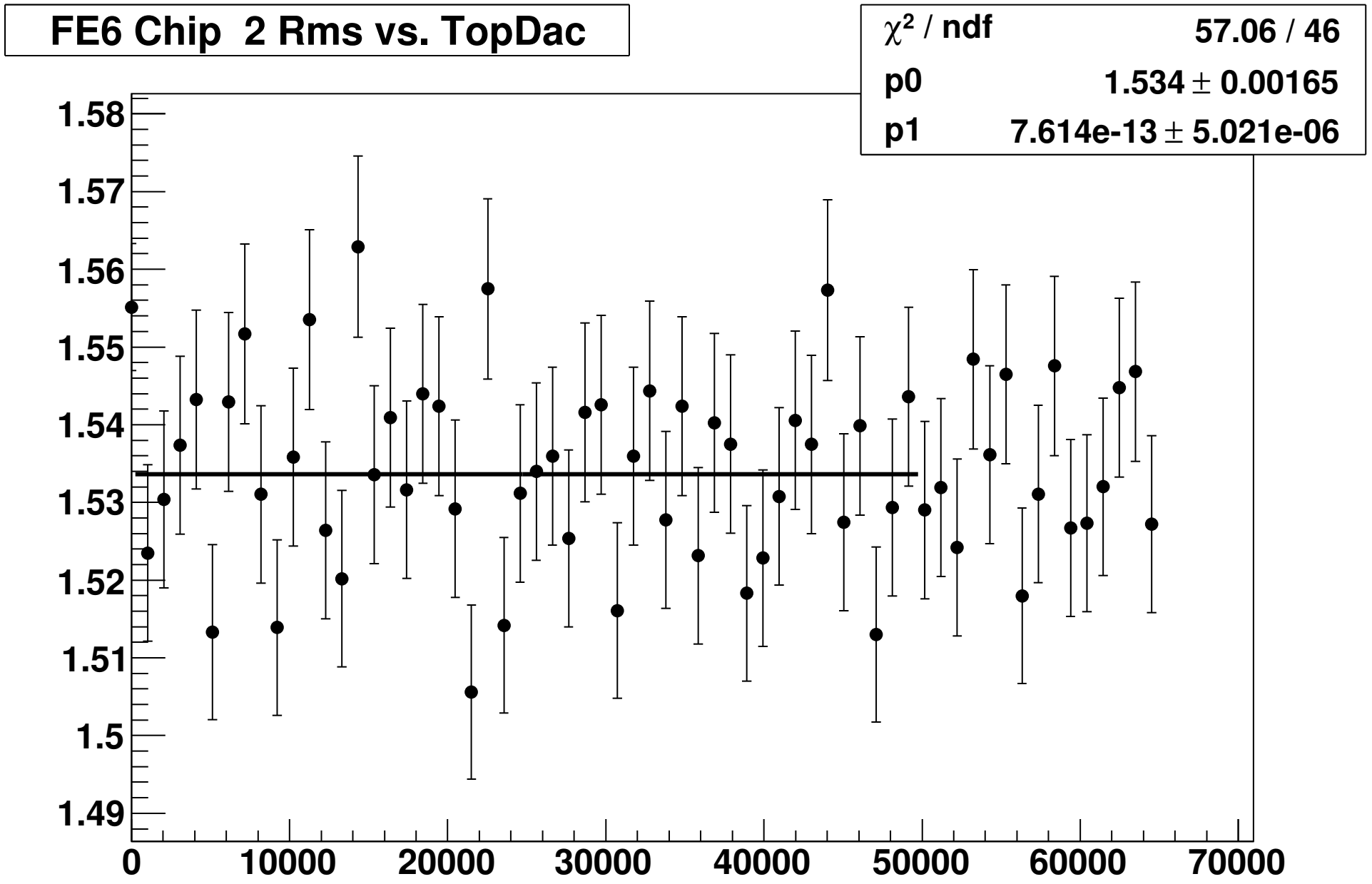
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 57.06 / 46
p0 1.534 ± 0.00165
p1 7.614e-13 ± 5.021e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
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50000
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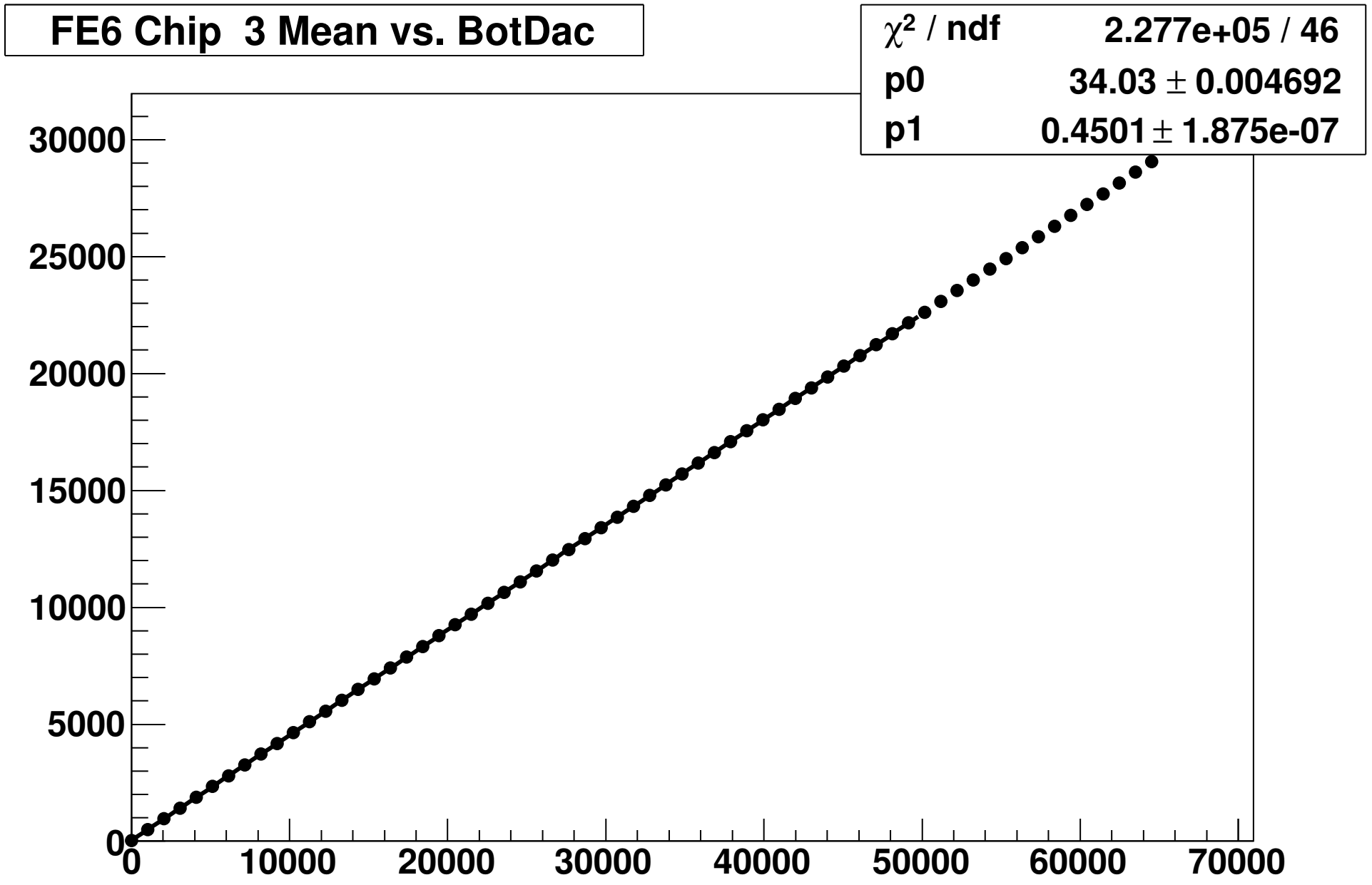
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 2.277e+05 / 46
p0 34.03 ± 0.004692
p1 0.4501 ± 1.875e-07
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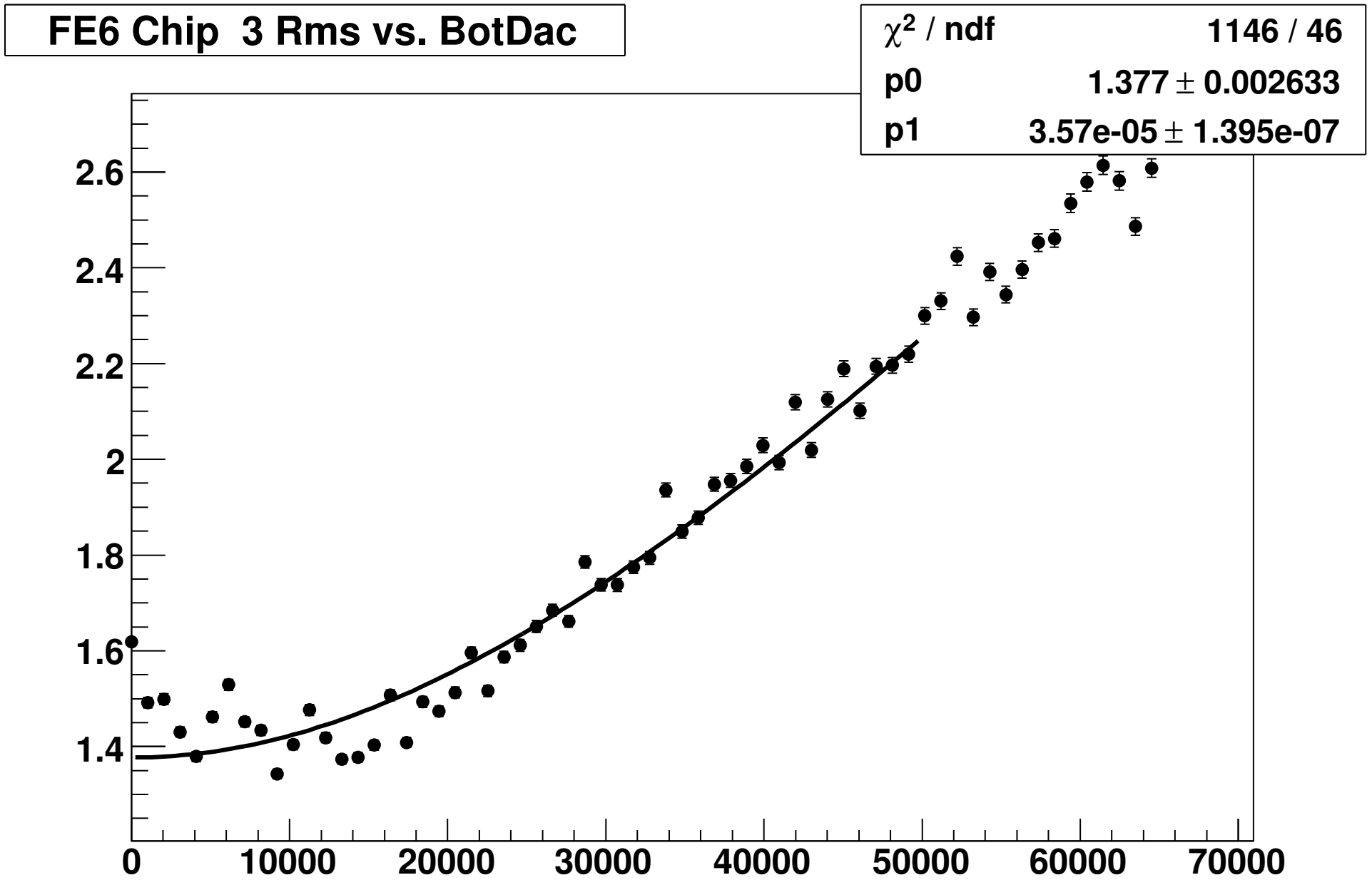
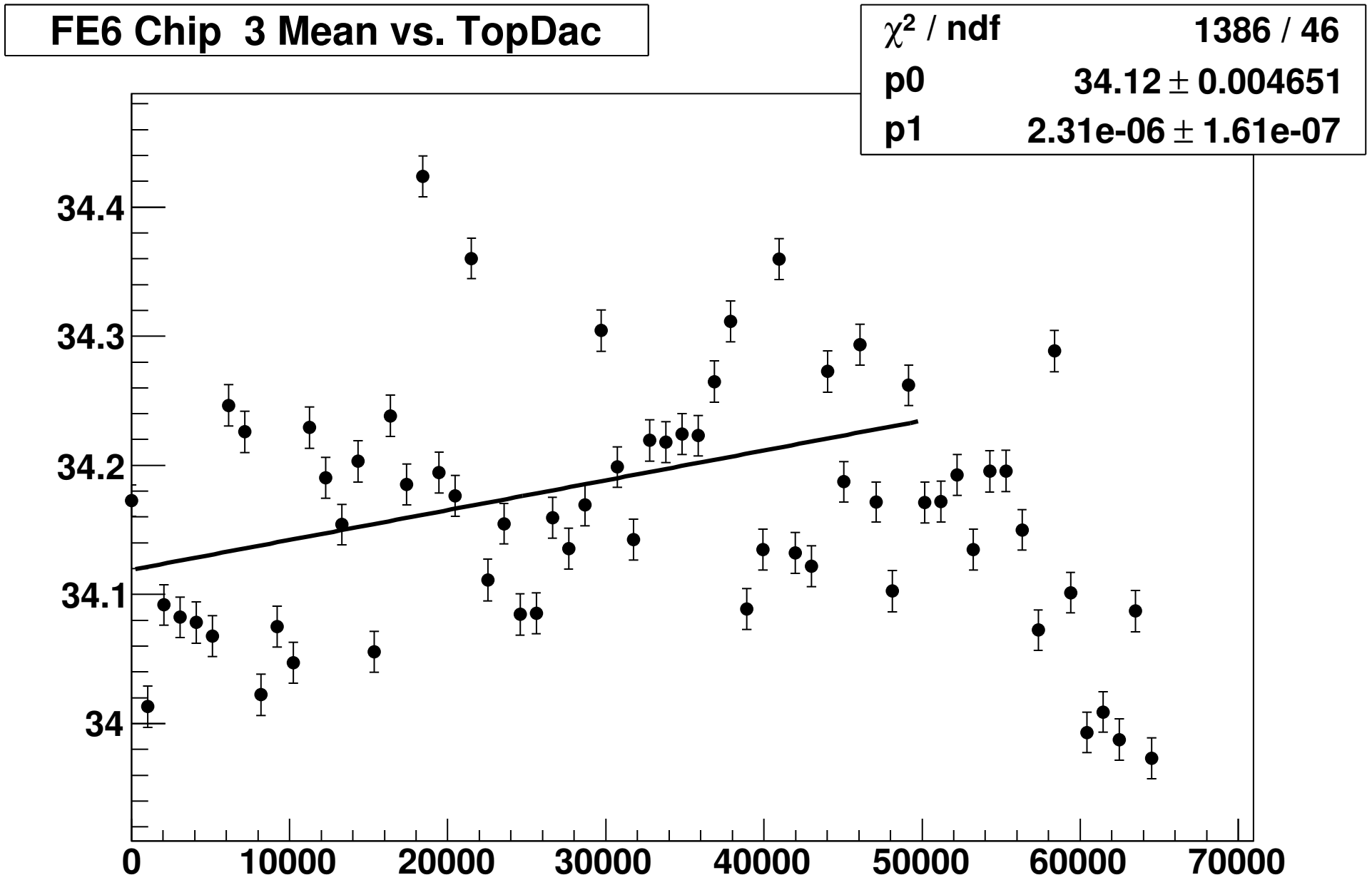
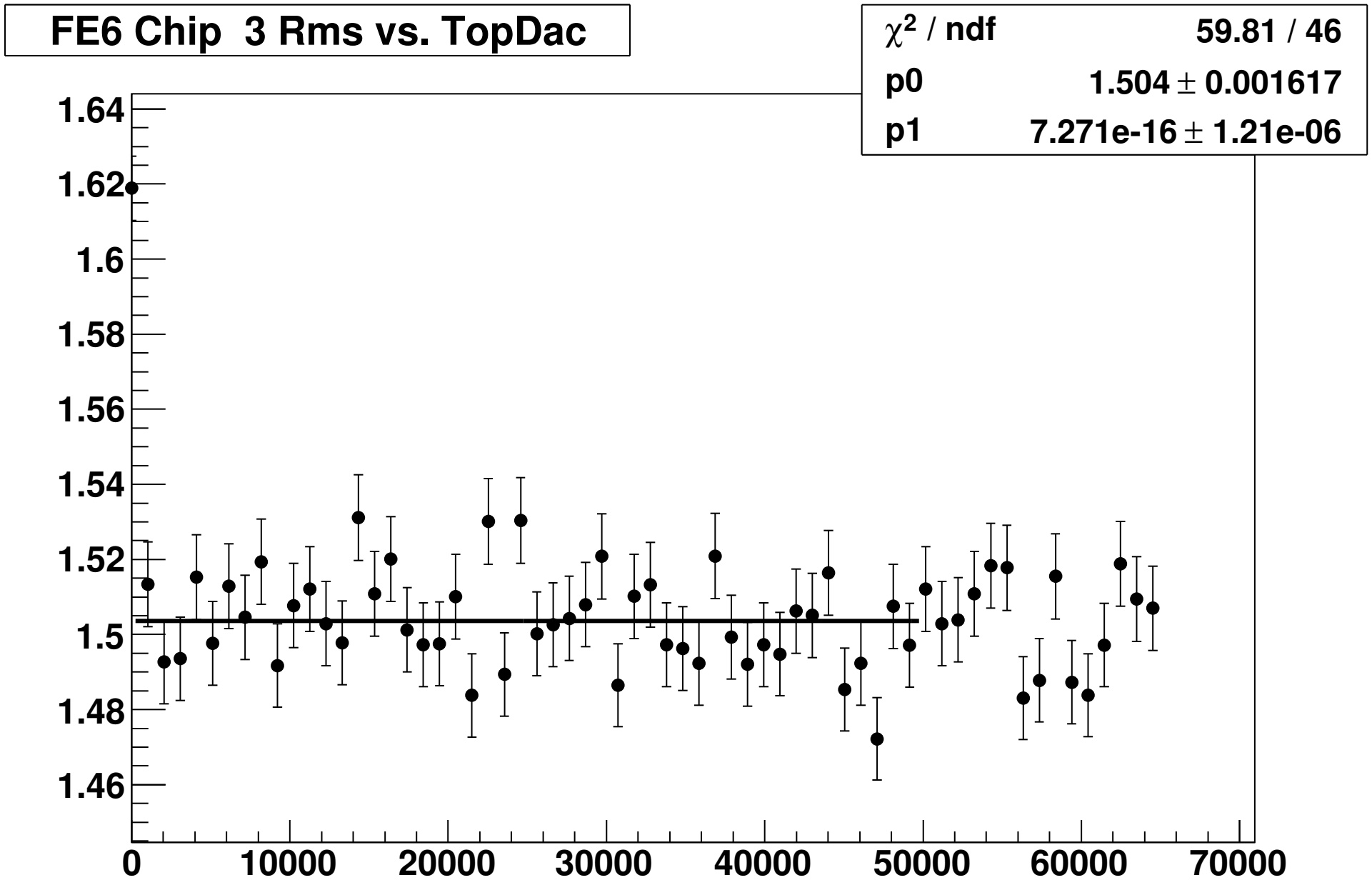
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1146 / 46
p0 1.377 ± 0.002633
p1 3.57e-05 ± 1.395e-07
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 1386 / 46
p0 34.12 ± 0.004651
p1 2.31e-06 ± 1.61e-07
34.4
34.3
34.2
34.1
34
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 59.81 / 46
p0 1.504 ± 0.001617
p1 7.271e-16 ± 1.21e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
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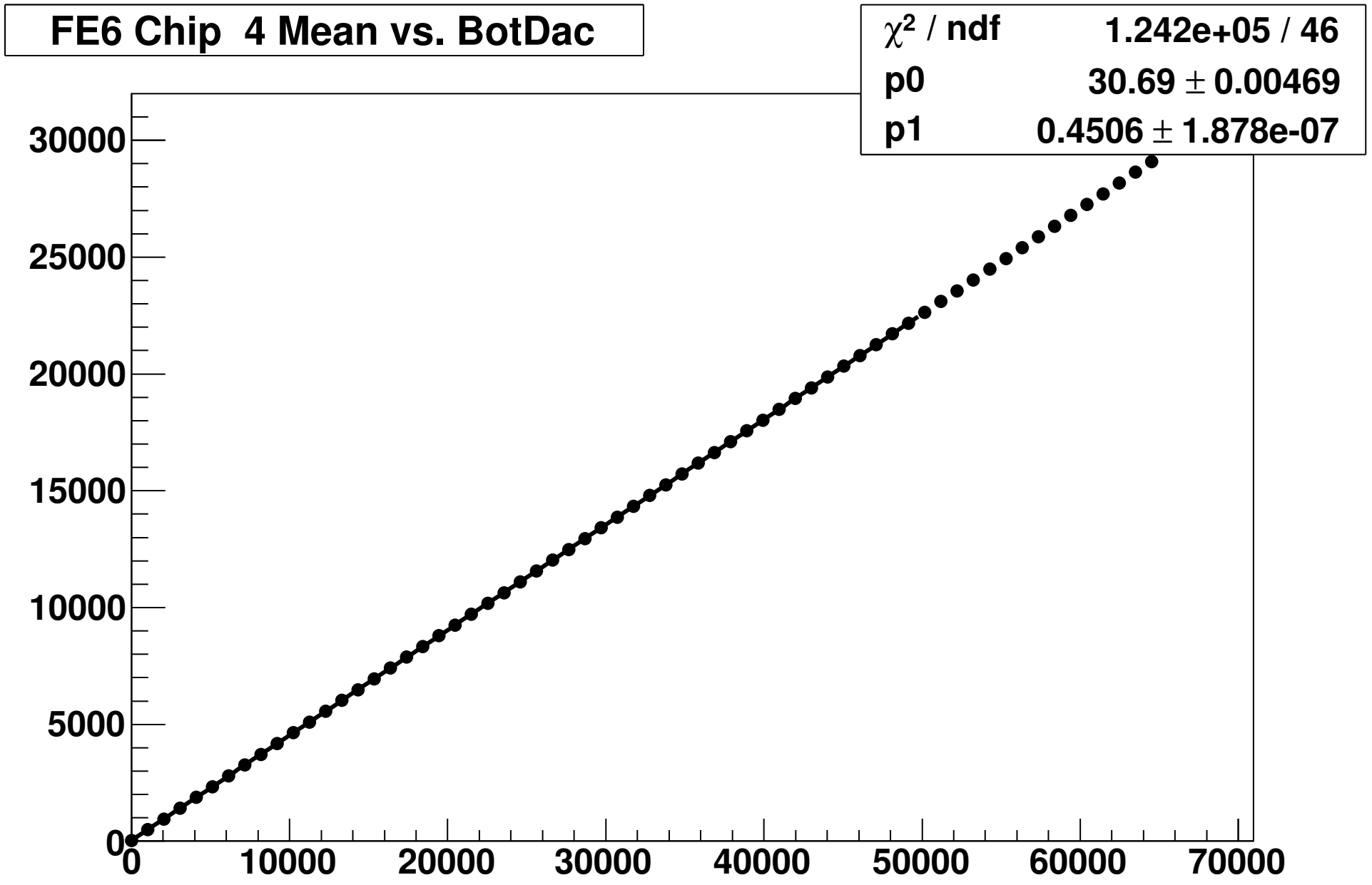
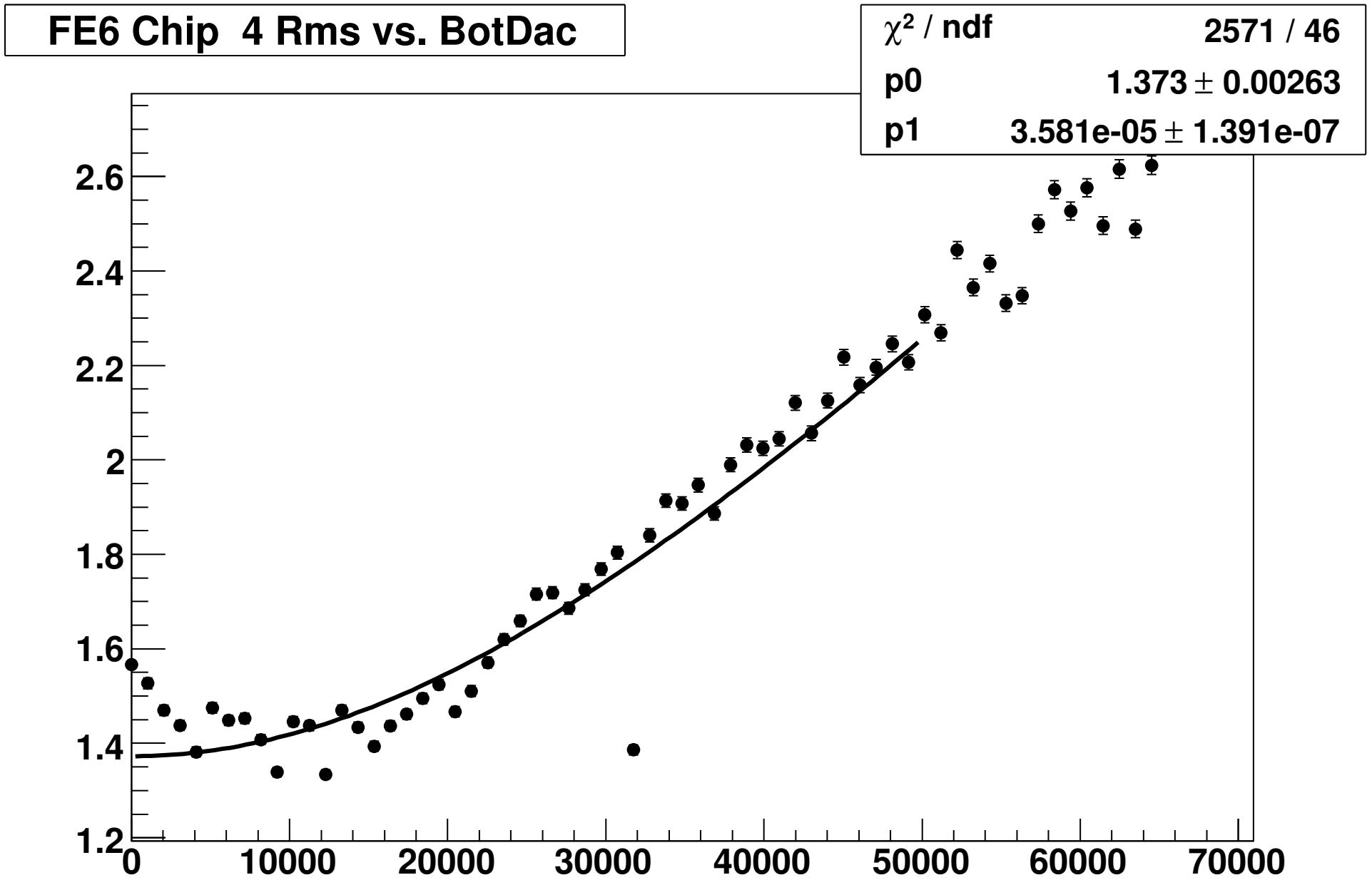
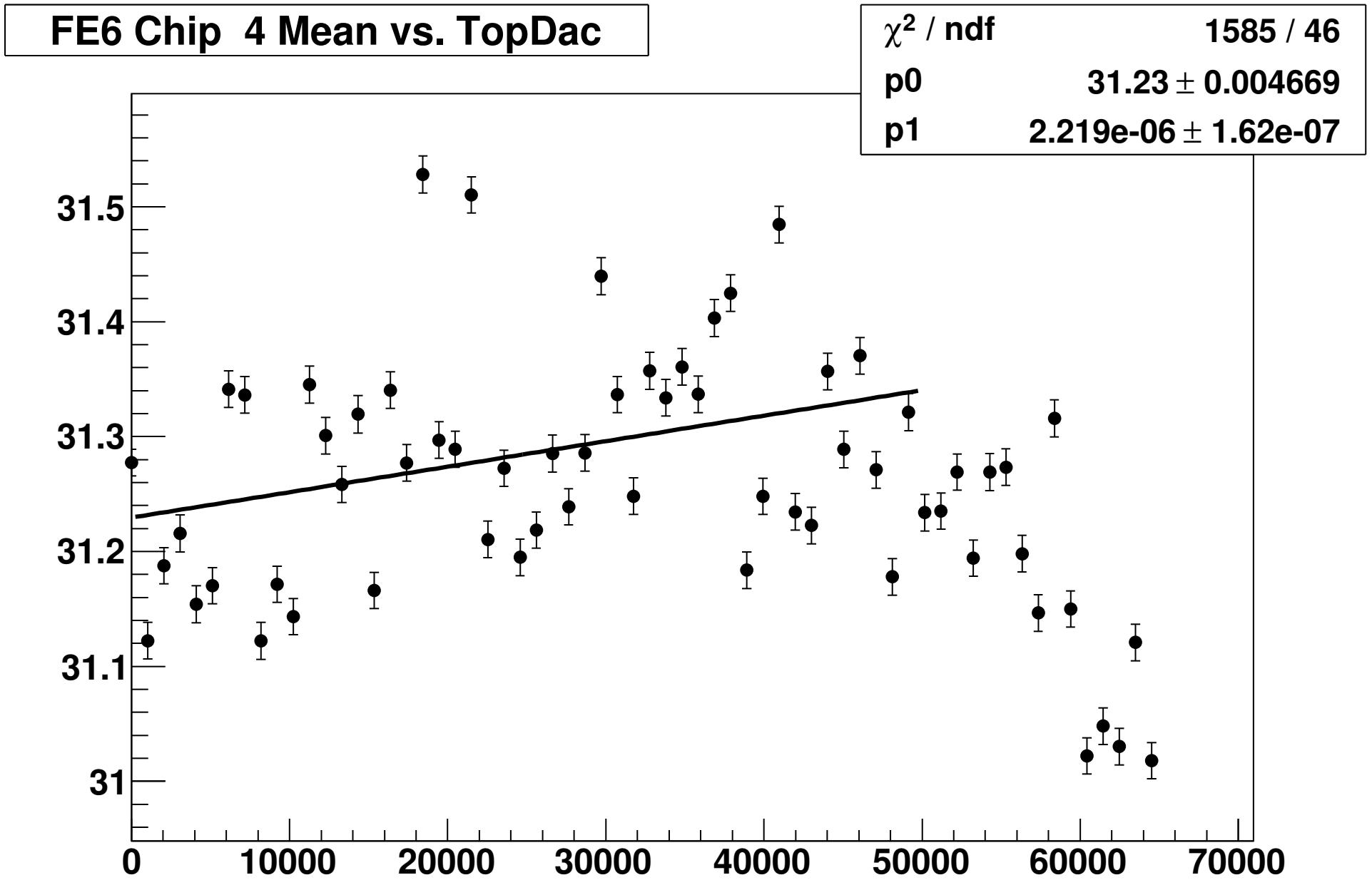
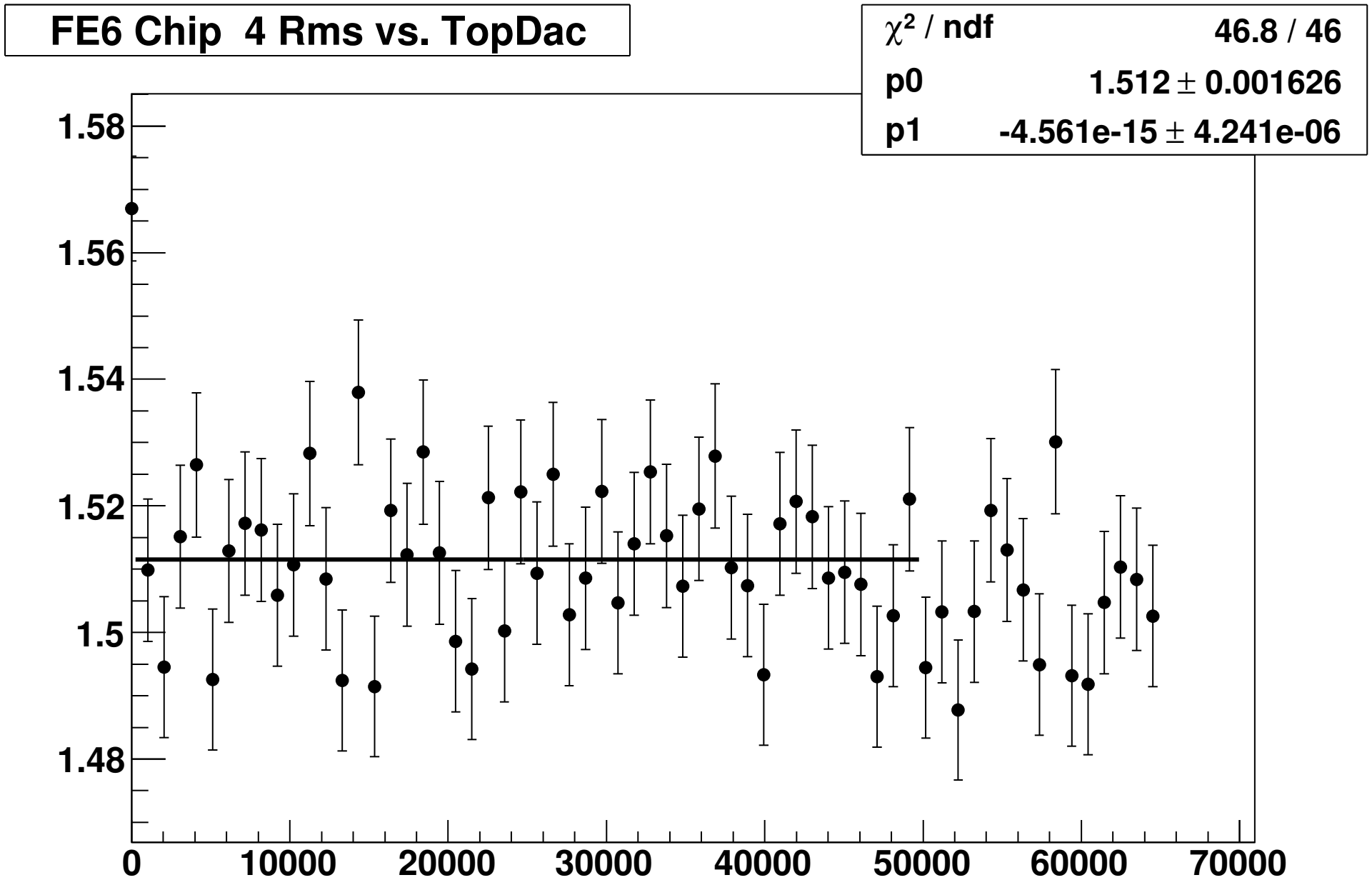
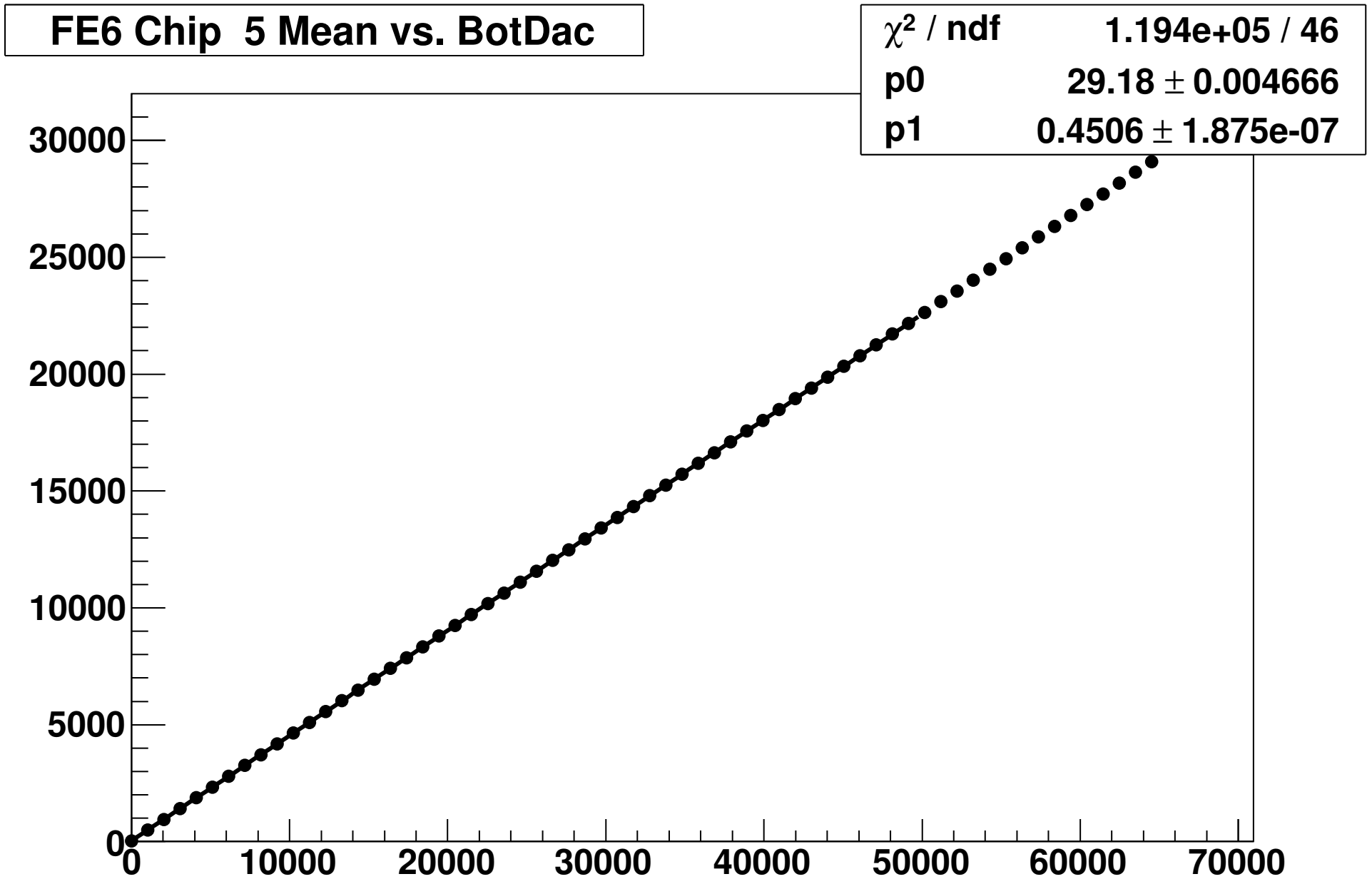

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.242e+05 / 46
p0 30.69 ± 0.00469
p1 0.4506 ± 1.878e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 2571 / 46
p0 1.373 ± 0.00263
p1 3.581e-05 ± 1.391e-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 4 Mean vs. TopDac
χ² / ndf 1585 / 46
p0 31.23 ± 0.004669
p1 2.219e-06 ± 1.62e-07
31.5
31.4
31.3
31.2
31.1
31
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 46.8 / 46
p0 1.512 ± 0.001626
p1 -4.561e-15 ± 4.241e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.194e+05 / 46
p0 29.18 ± 0.004666
p1 0.4506 ± 1.875e-07
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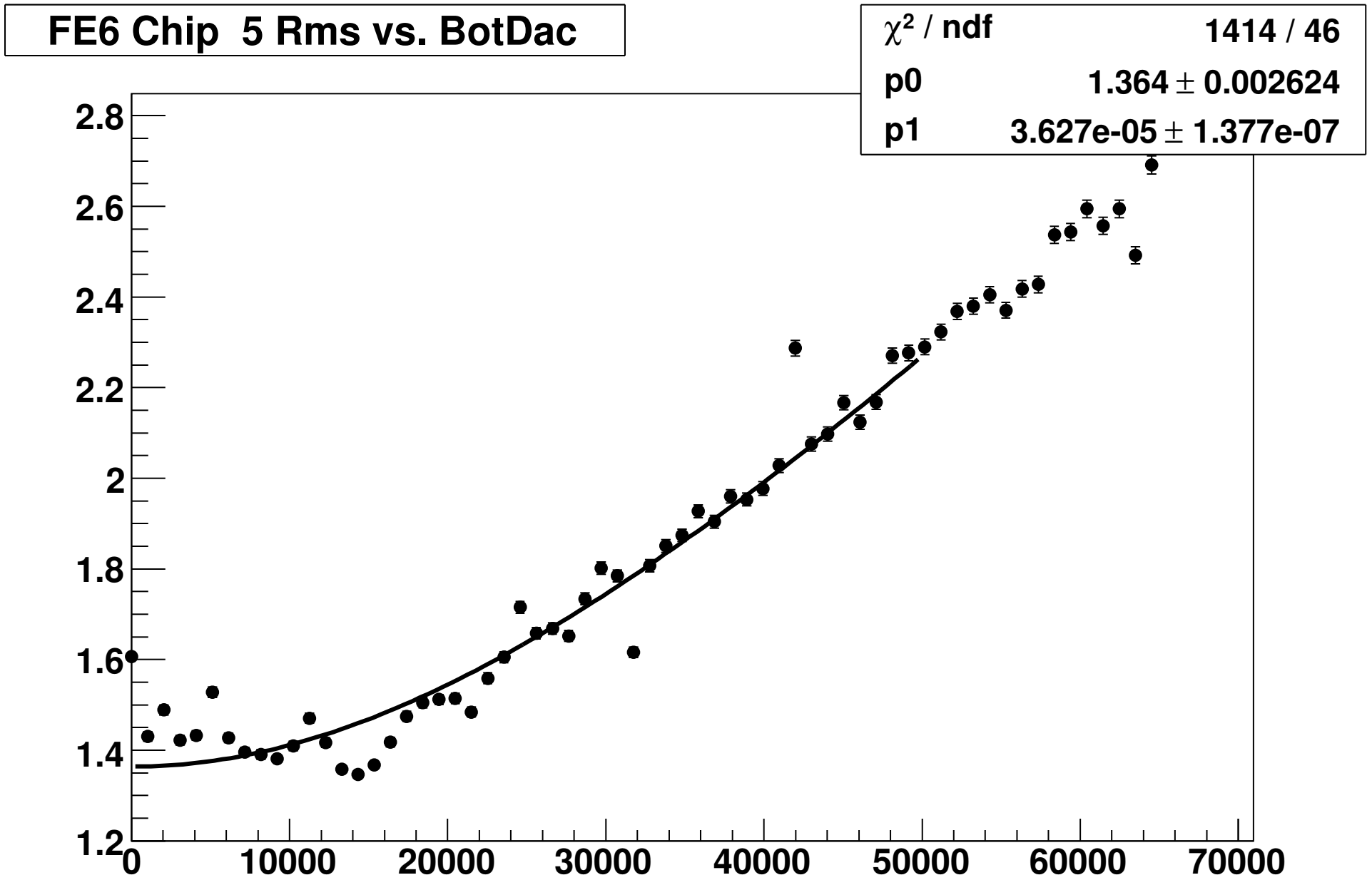
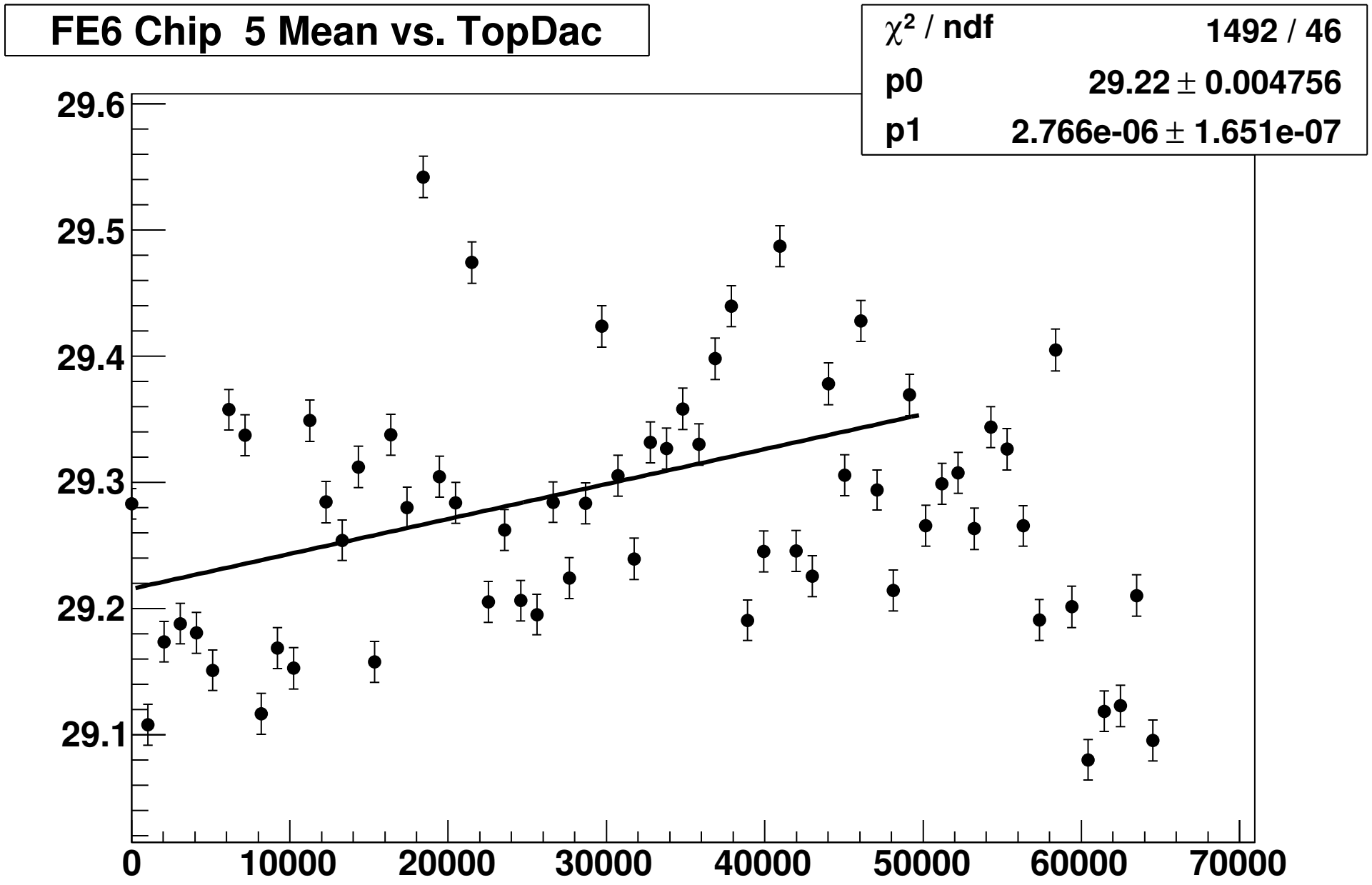
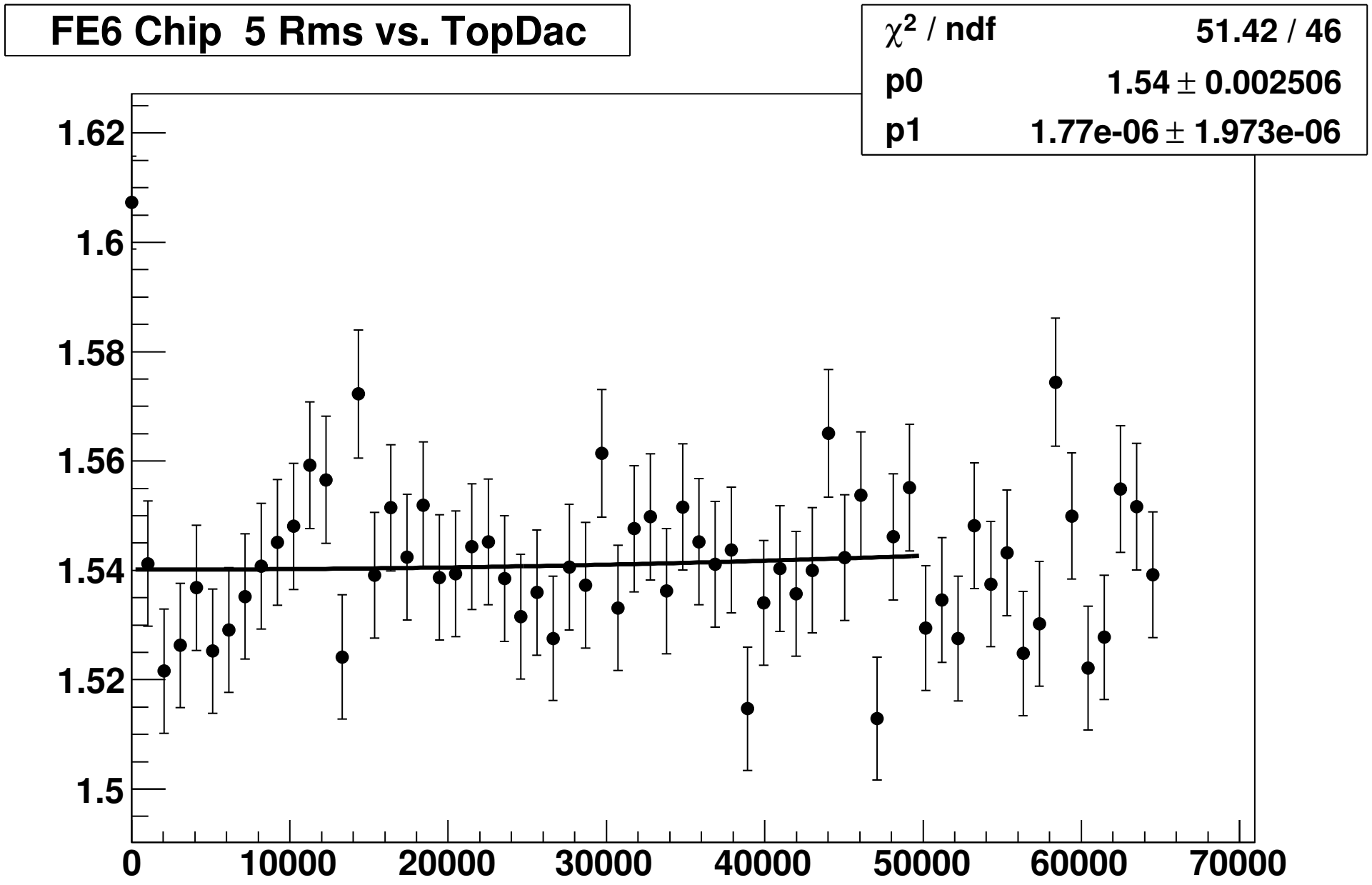
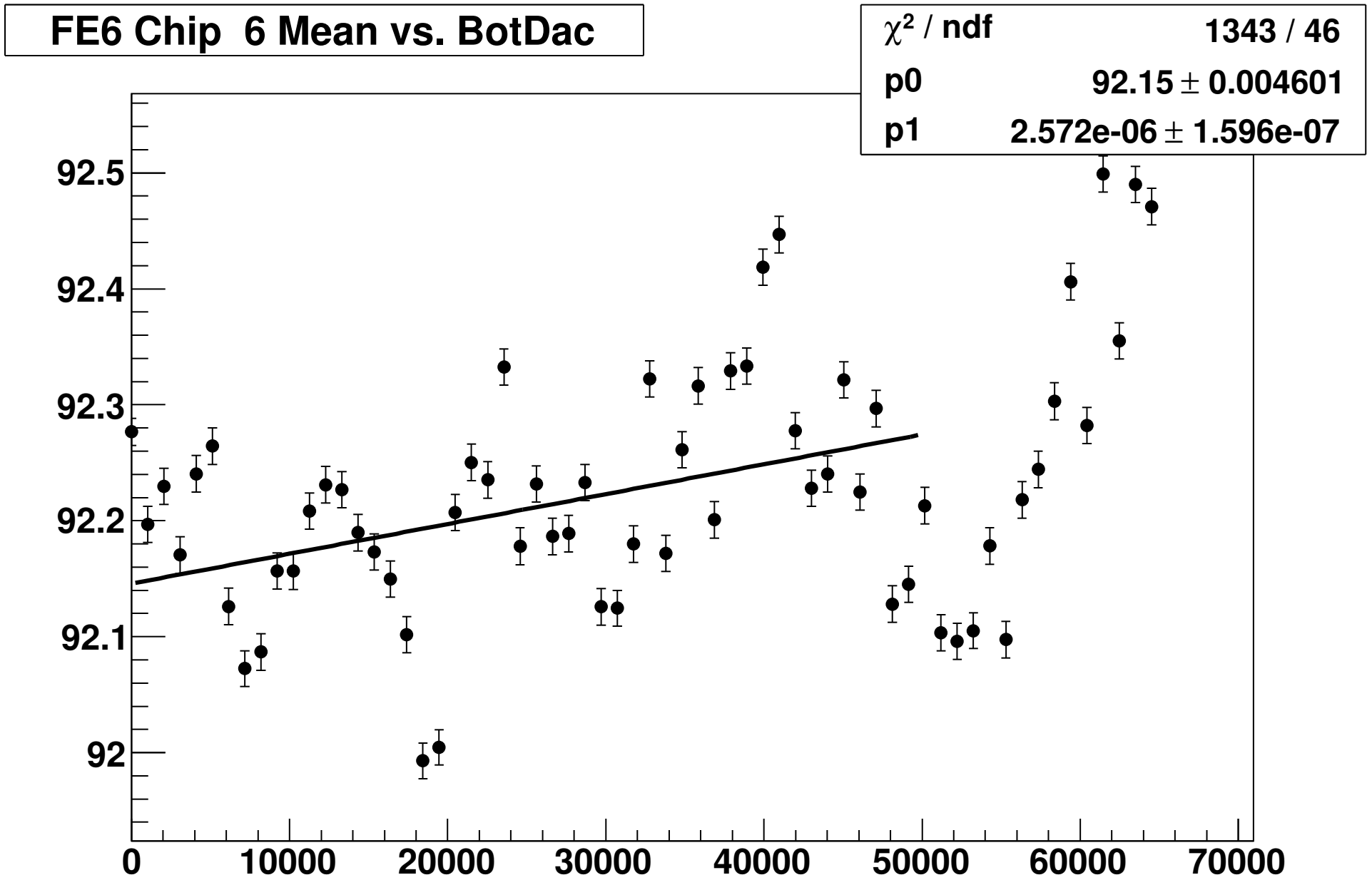
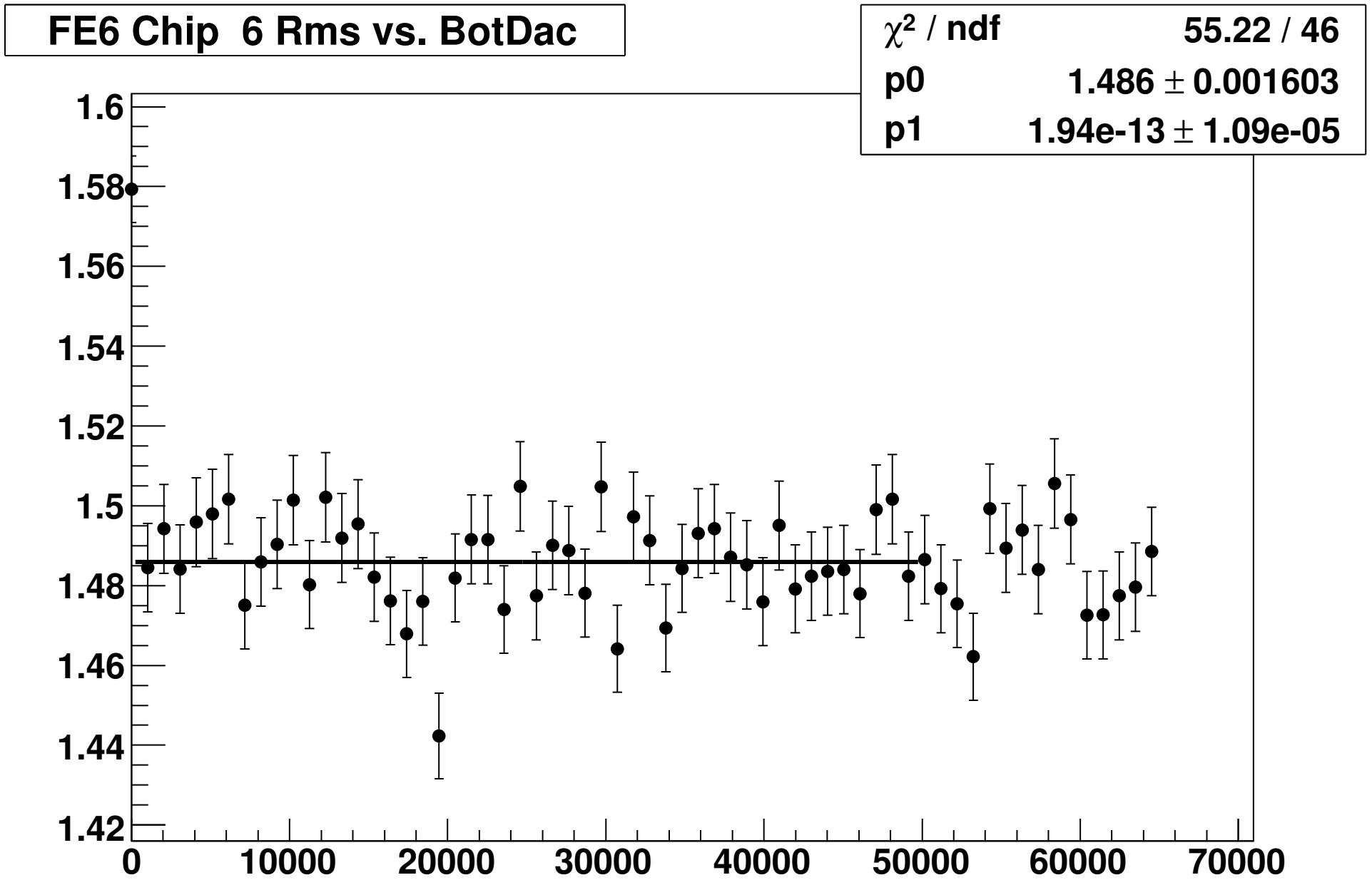
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

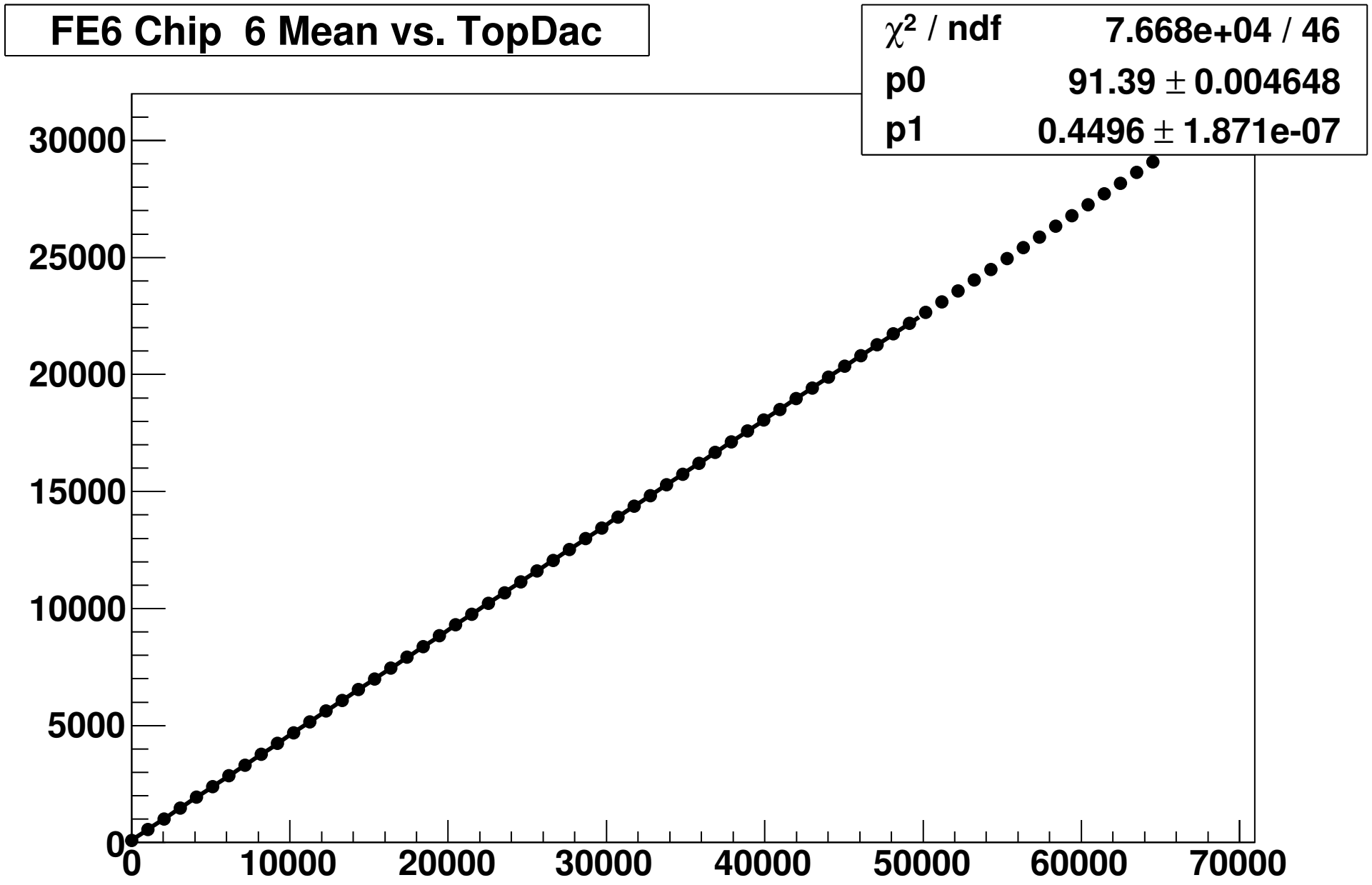

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 1414 / 46
p0 1.364 ± 0.002624
p1 3.627e-05 ± 1.377e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

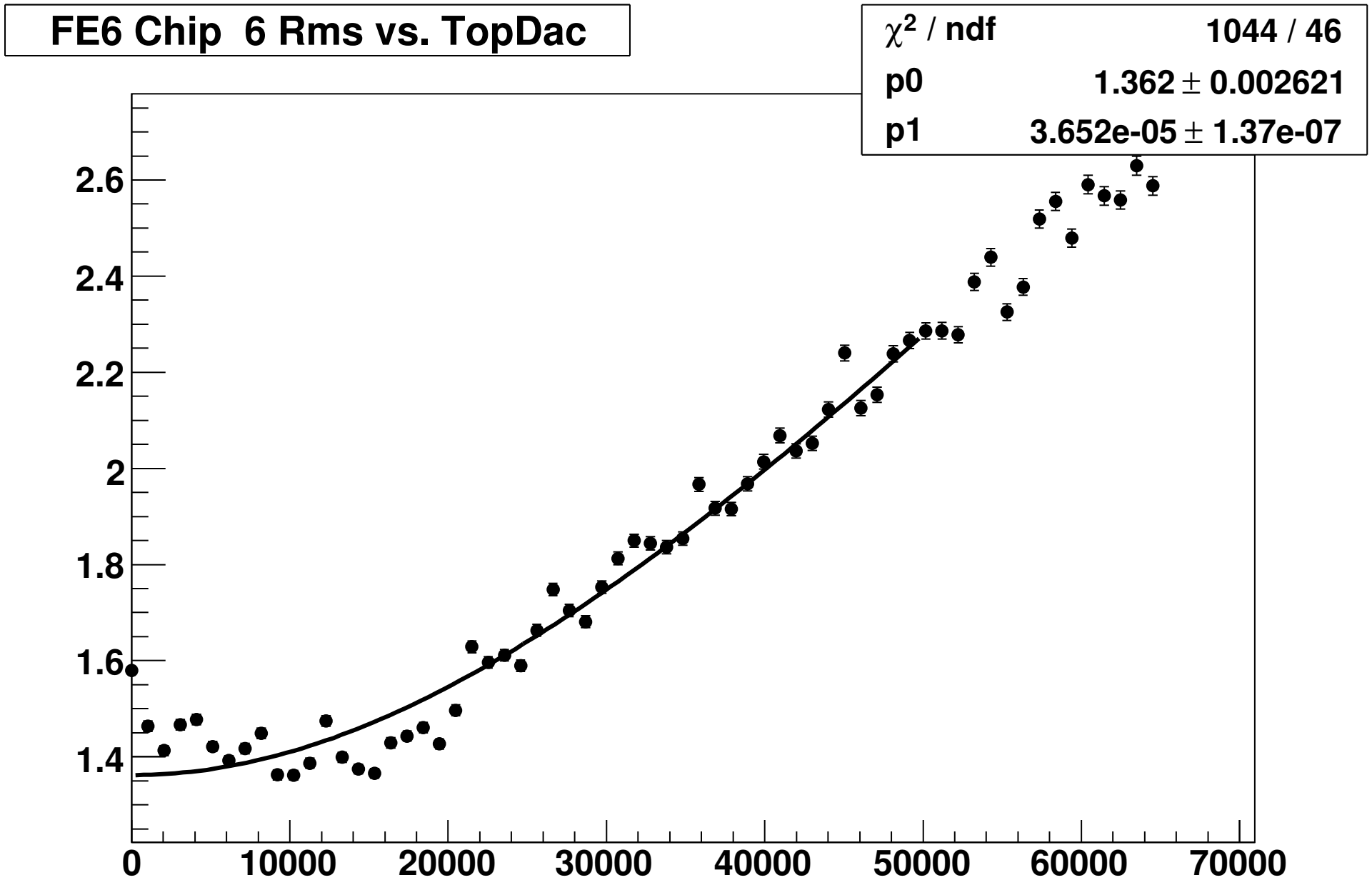

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 1492 / 46
p0 29.22 ± 0.004756
p1 2.766e-06 ± 1.651e-07
29.6
29.5
29.4
29.3
29.2
29.1
0
10000
20000
30000
40000
50000
60000
70000

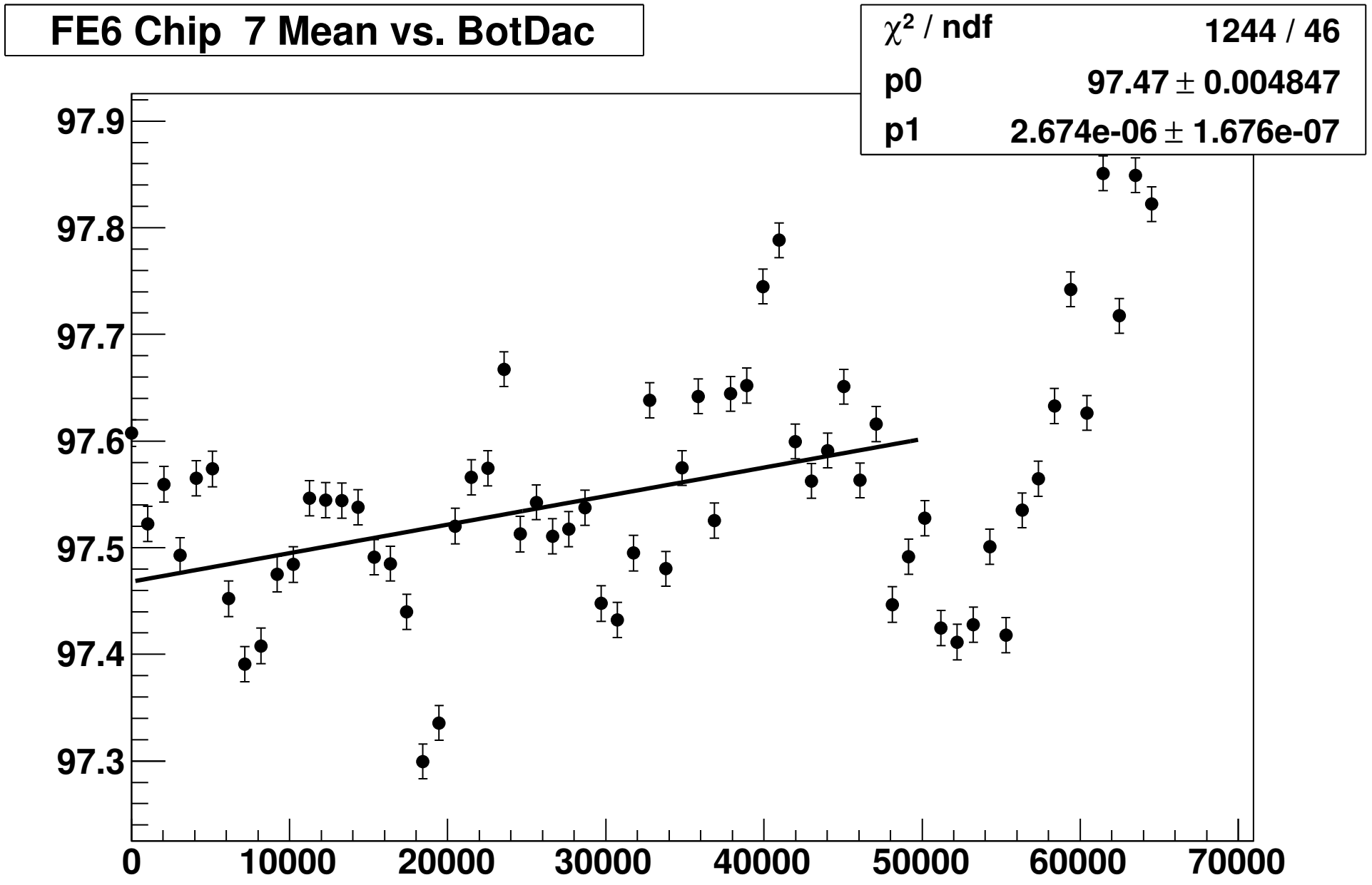

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 51.42 / 46
p0 1.54 ± 0.002506
p1 1.77e-06 ± 1.973e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 1343 / 46
p0 92.15 ± 0.004601
p1 2.572e-06 ± 1.596e-07
92.5
92.4
92.3
92.2
92.1
92
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 55.22 / 46
p0 1.486 ± 0.001603
p1 1.94e-13 ± 1.09e-05
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 7.668e+04 / 46
p0 91.39 ± 0.004648
p1 0.4496 ± 1.871e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1044 / 46
p0 1.362 ± 0.002621
p1 3.652e-05 ± 1.37e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 1244 / 46
p0 97.47 ± 0.004847
p1 2.674e-06 ± 1.676e-07
97.9
97.8
97.7
97.6
97.5
97.4
97.3
0
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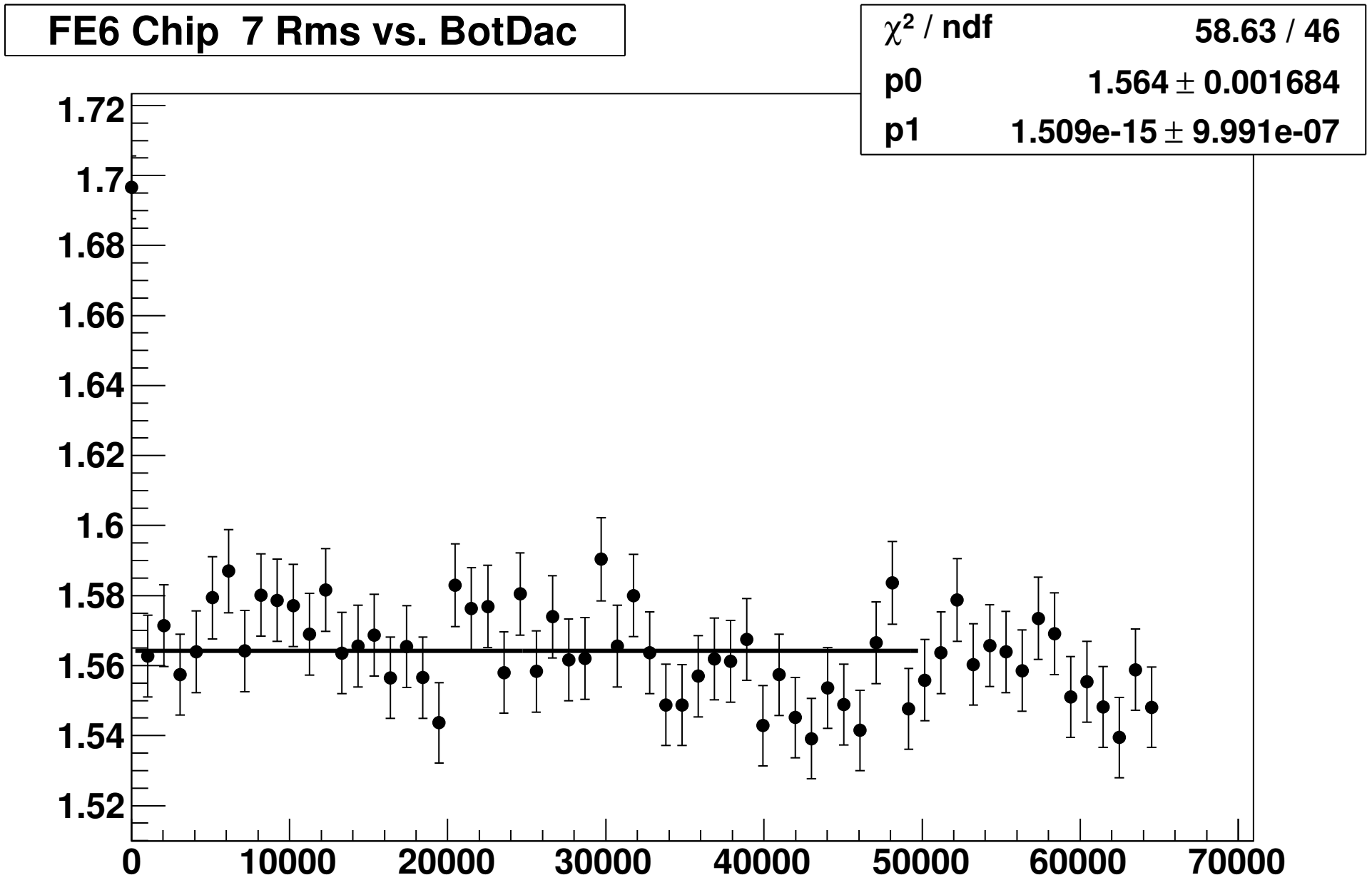
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 58.63 / 46
p0 1.564 ± 0.001684
p1 1.509e-15 ± 9.991e-07
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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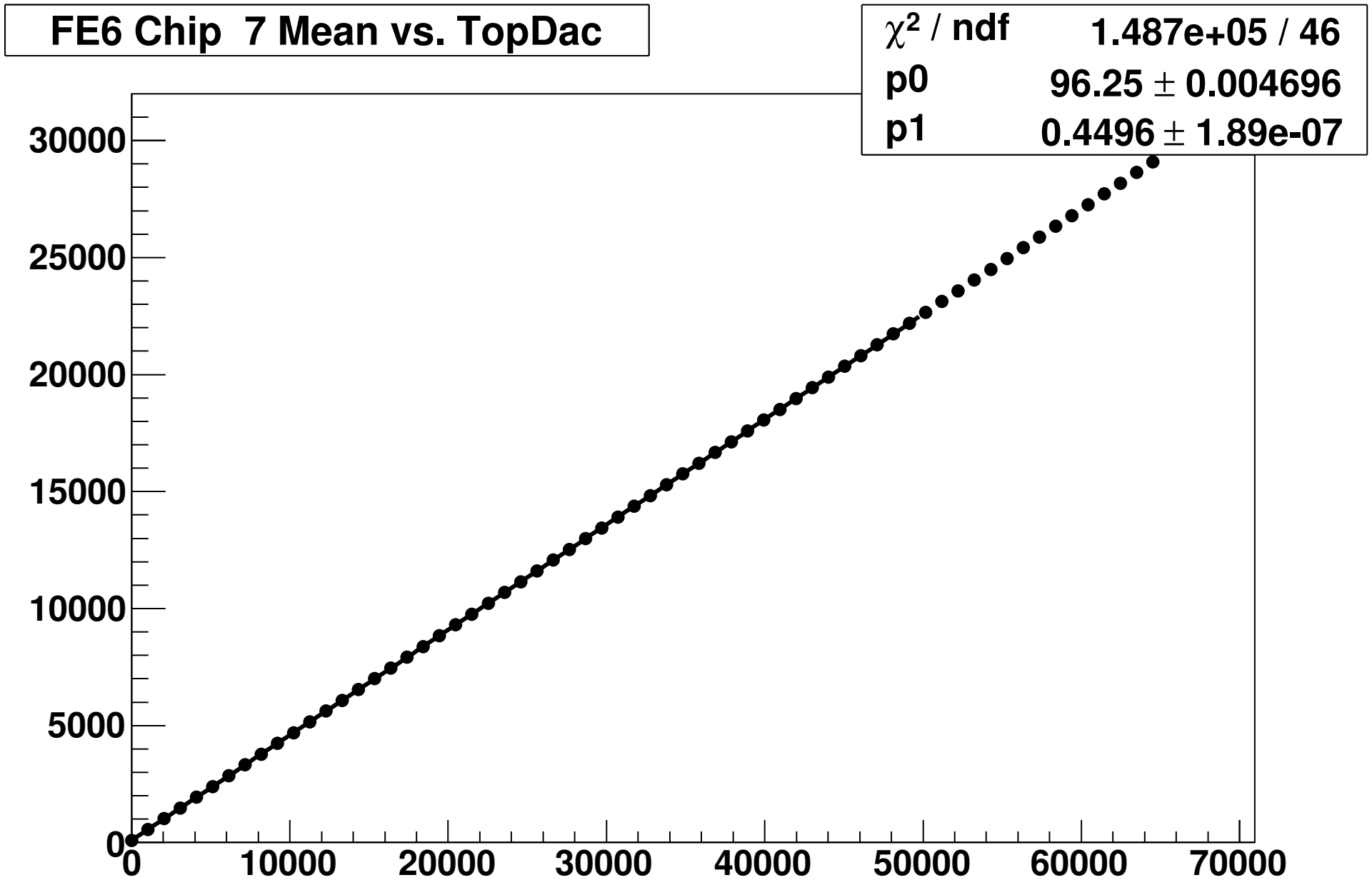
40000
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.487e+05 / 46
p0 96.25 ± 0.004696
p1 0.4496 ± 1.89e-07
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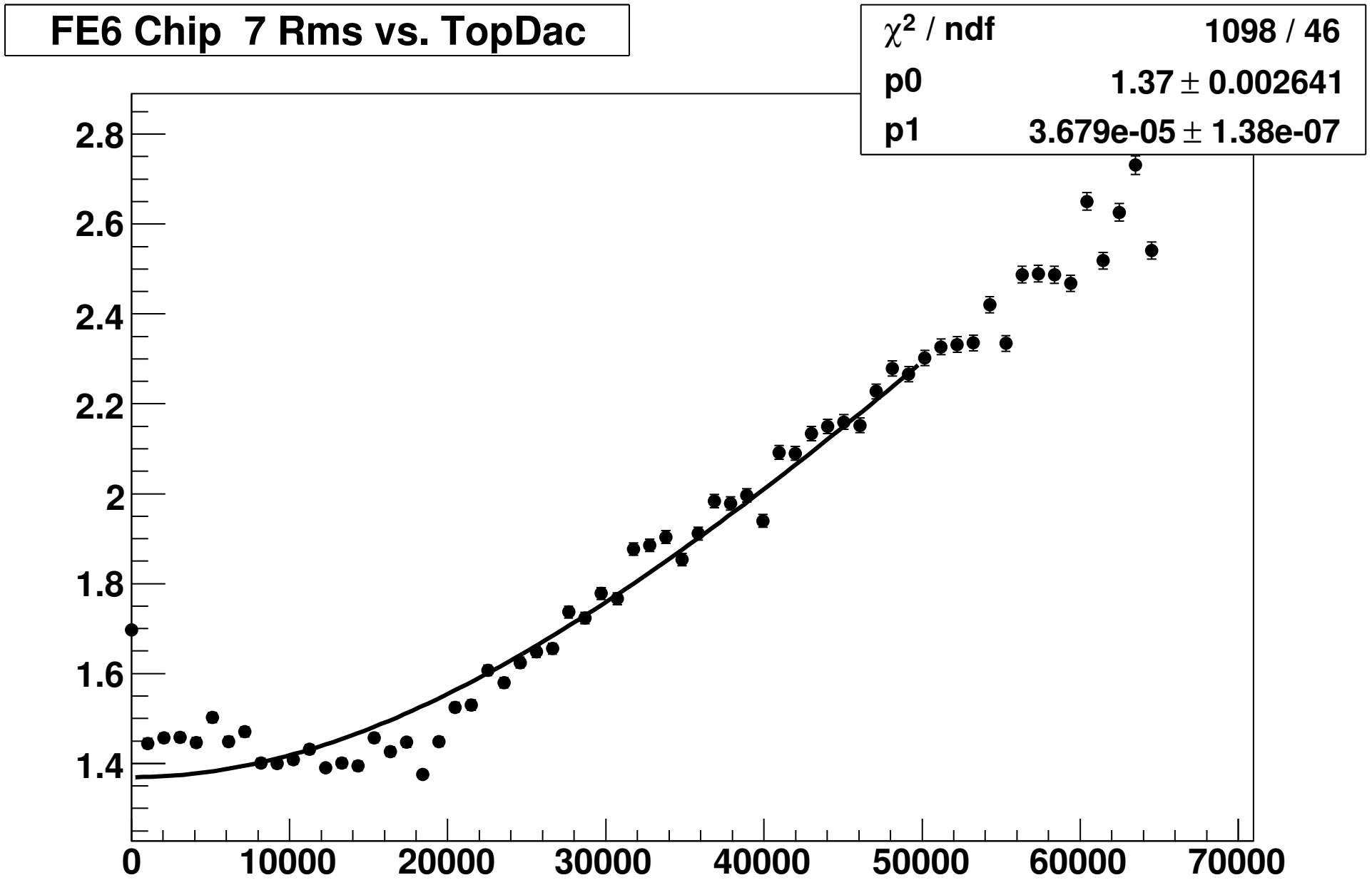
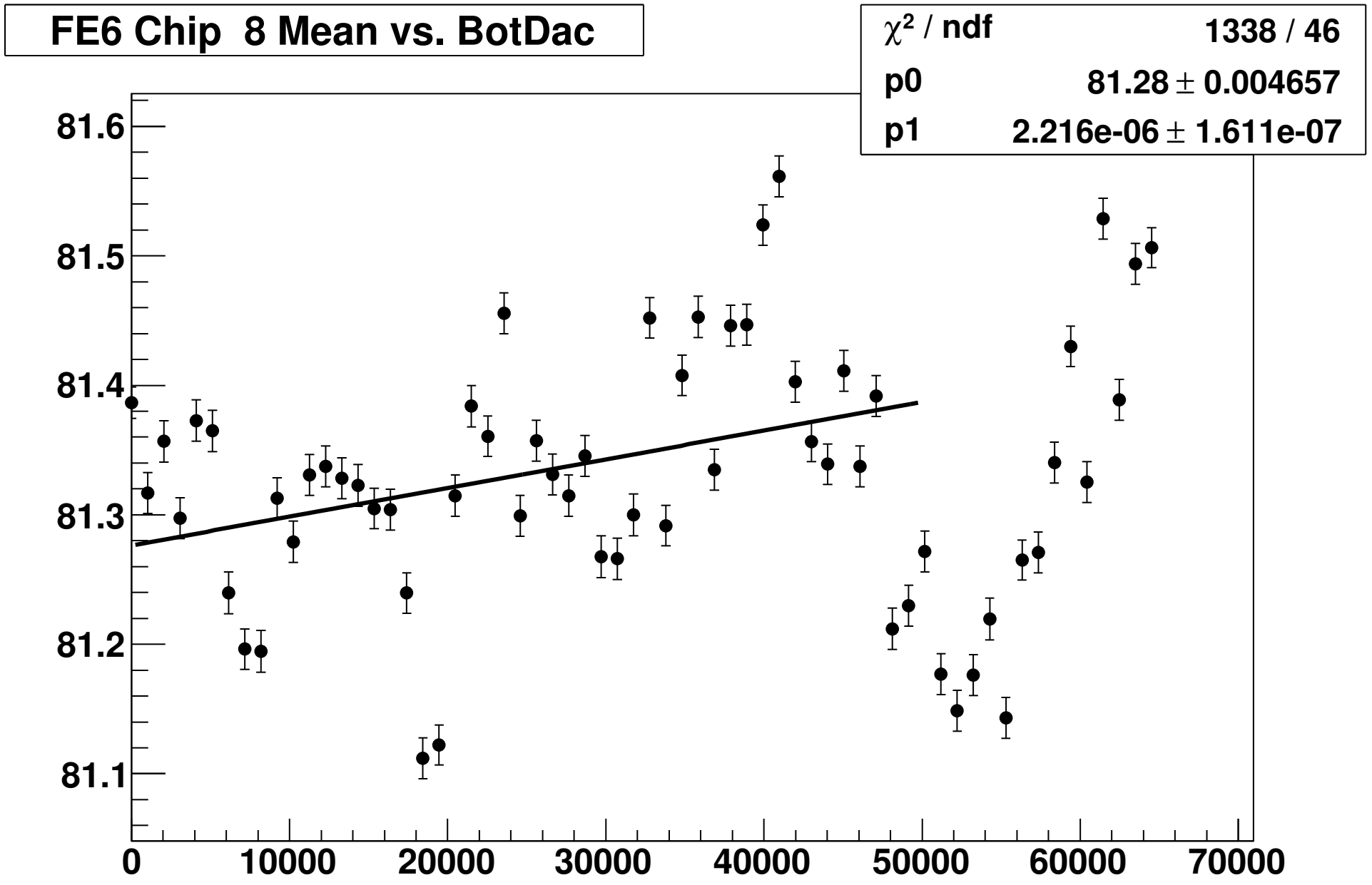
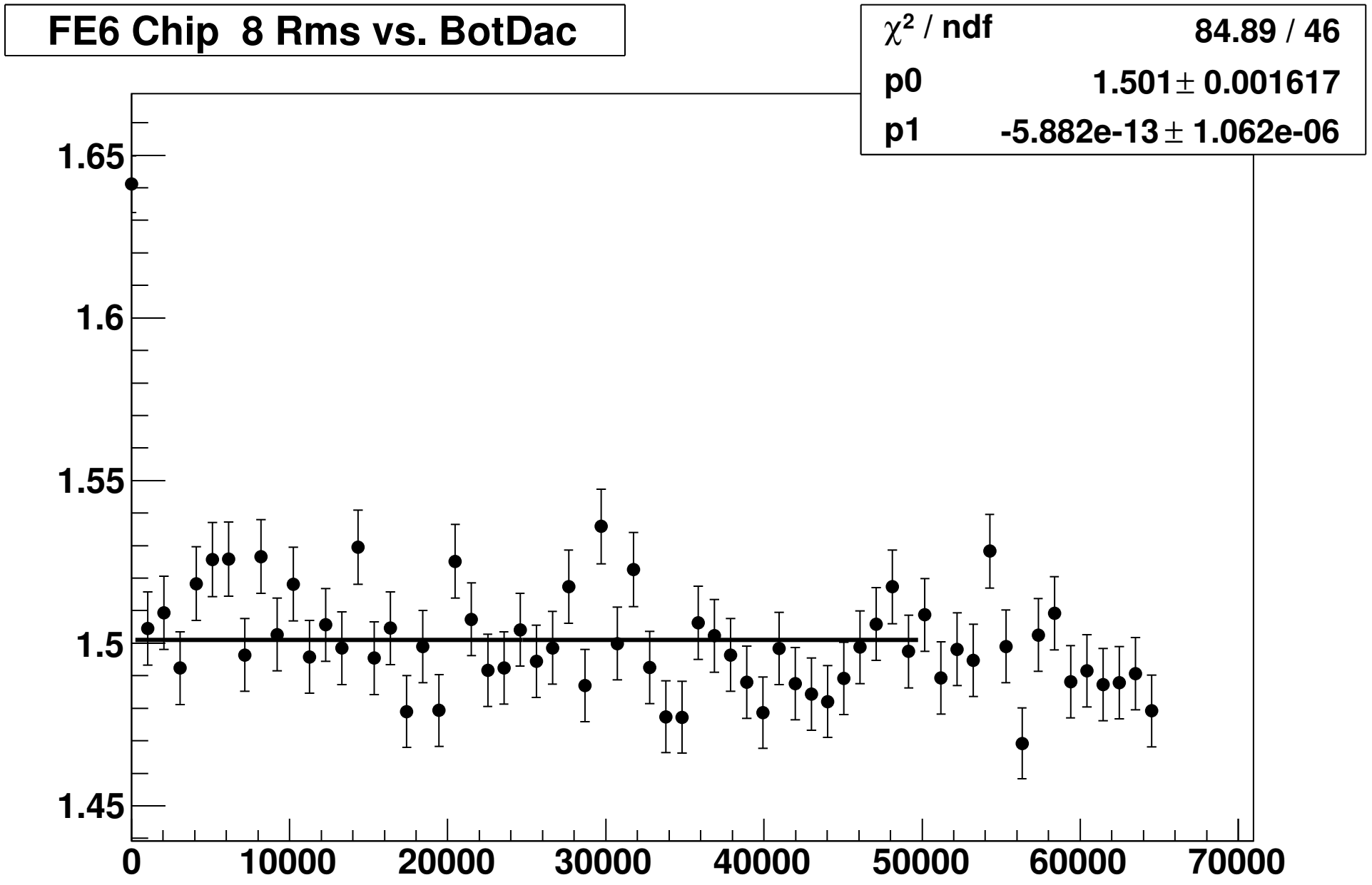
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1098 / 46
p0 1.37 ± 0.002641
p1 3.679e-05 ± 1.38e-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 8 Mean vs. BotDac
χ² / ndf 1338 / 46
p0 81.28 ± 0.004657
p1 2.216e-06 ± 1.611e-07
81.6
81.5
81.4
81.3
81.2
81.1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 84.89 / 46
p0 1.501 ± 0.001617
p1 -5.882e-13 ± 1.062e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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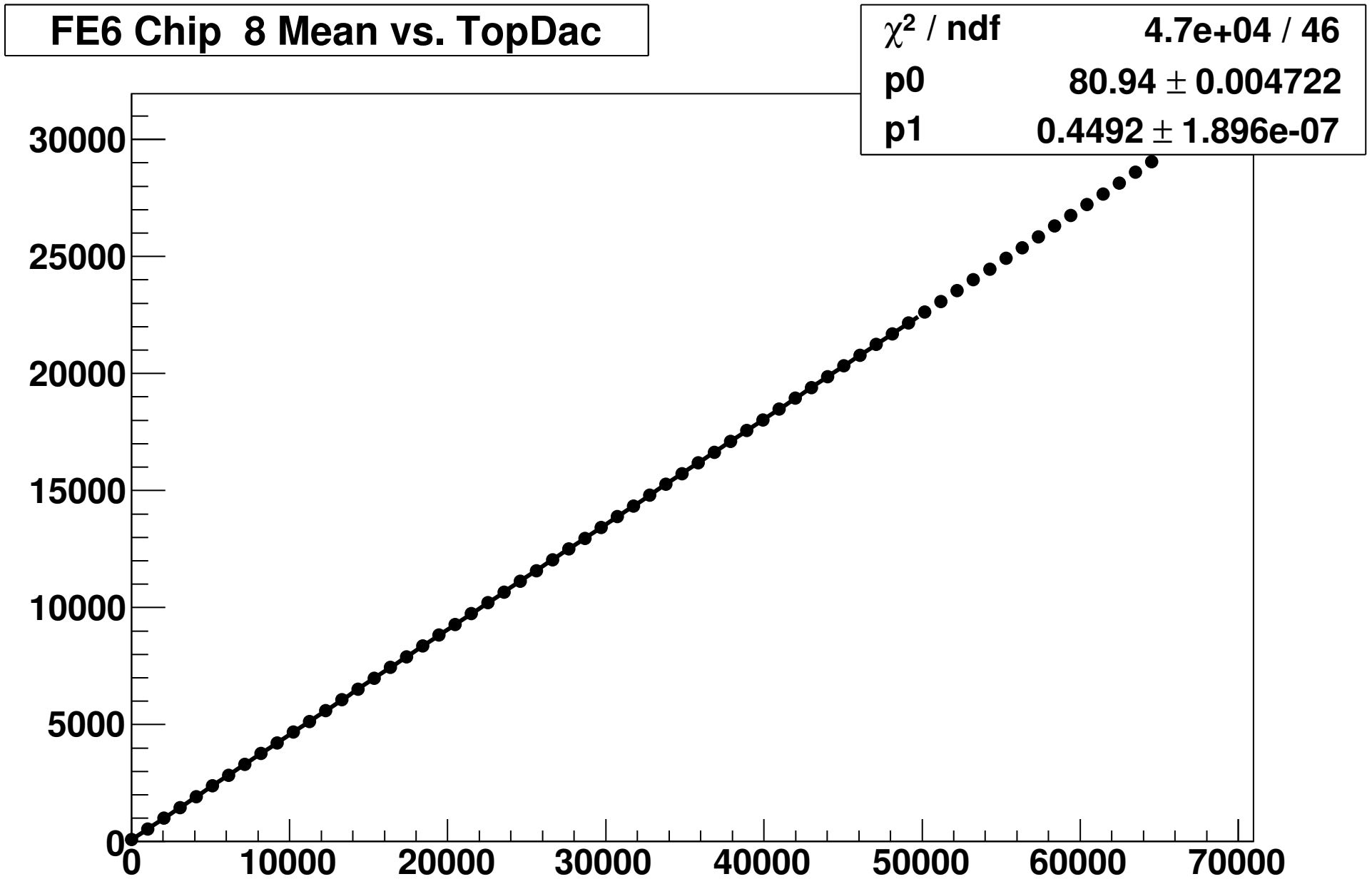
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 4.7e+04 / 46
p0 80.94 ± 0.004722
p1 0.4492 ± 1.896e-07
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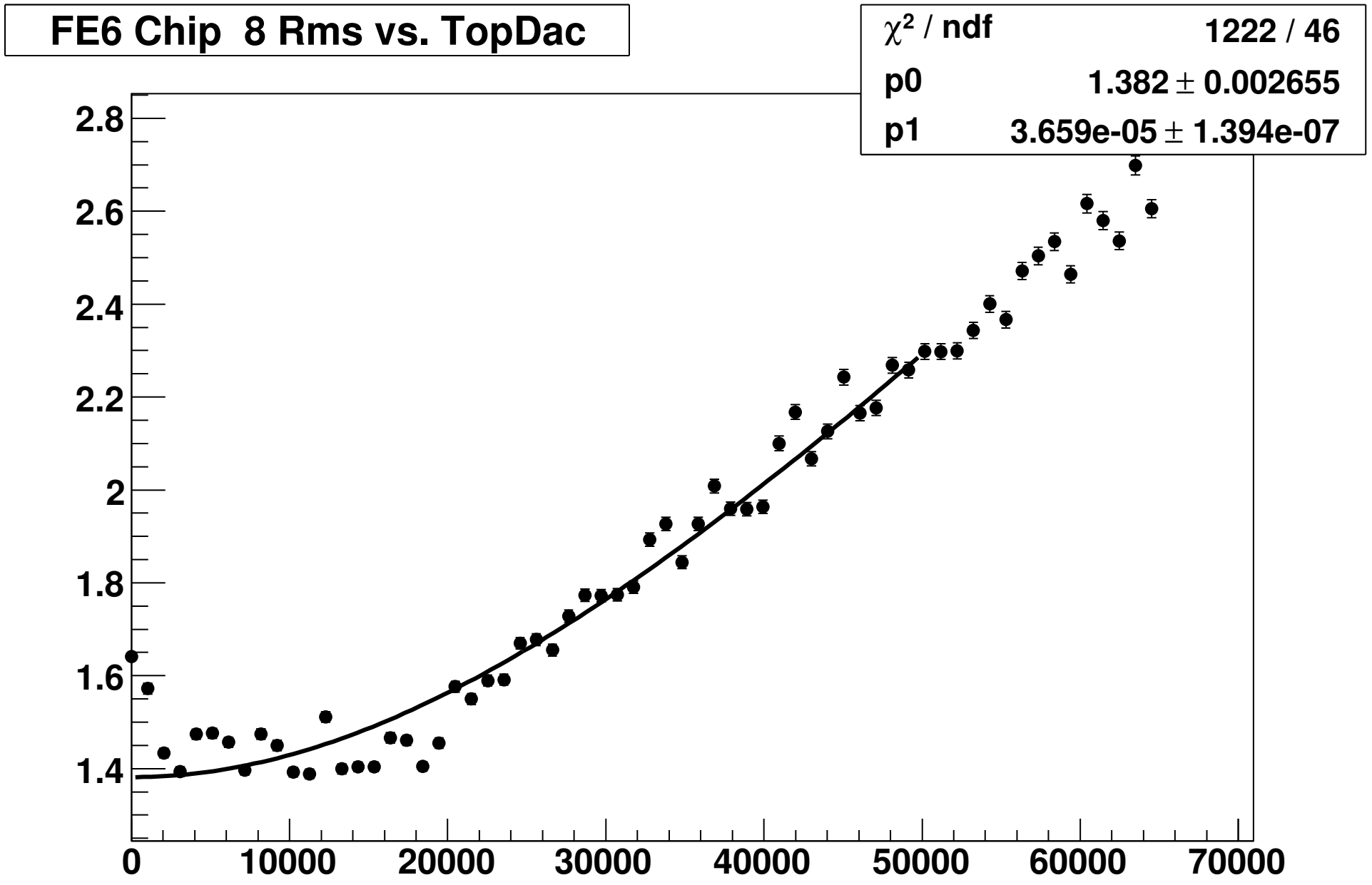
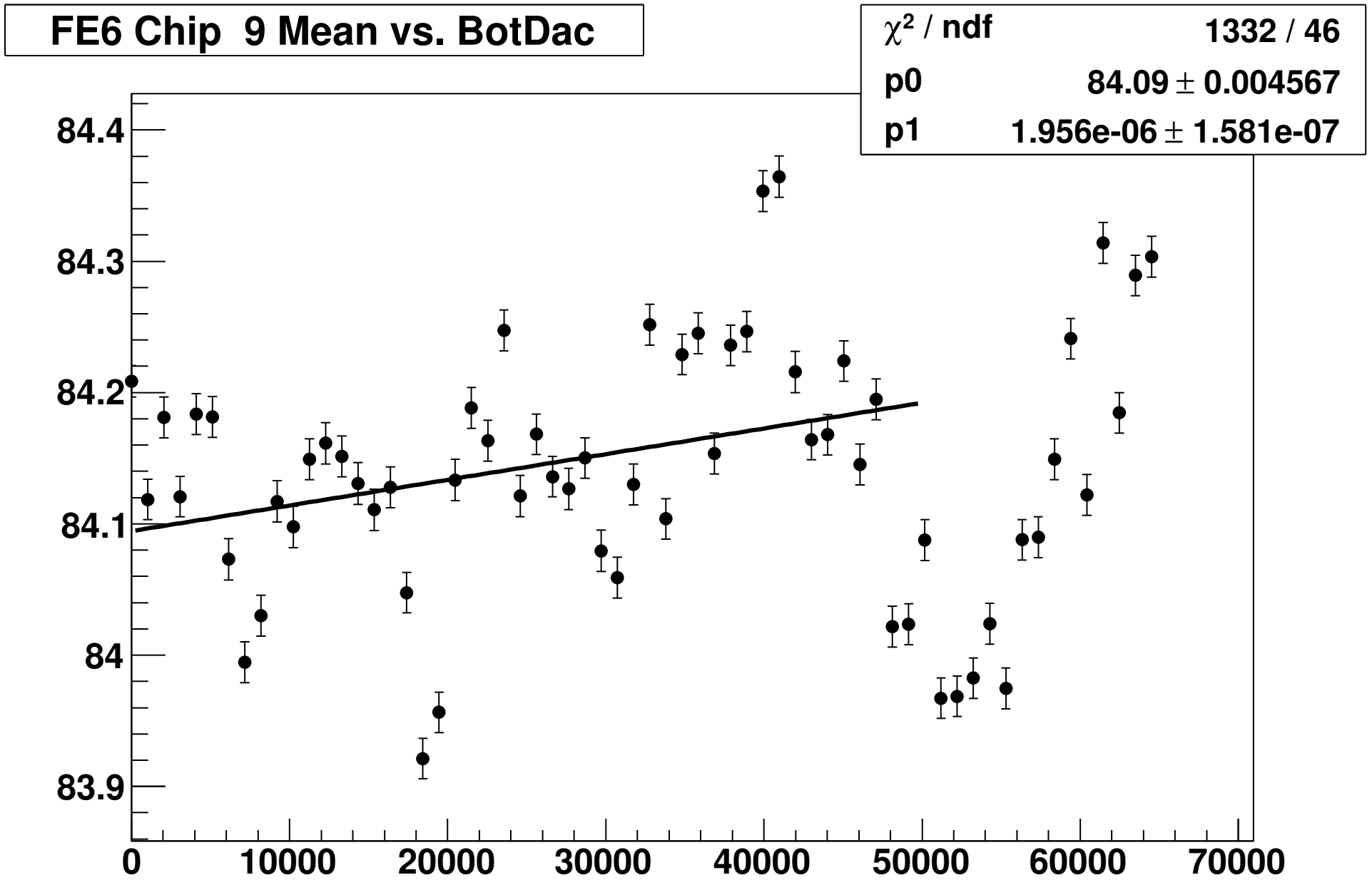
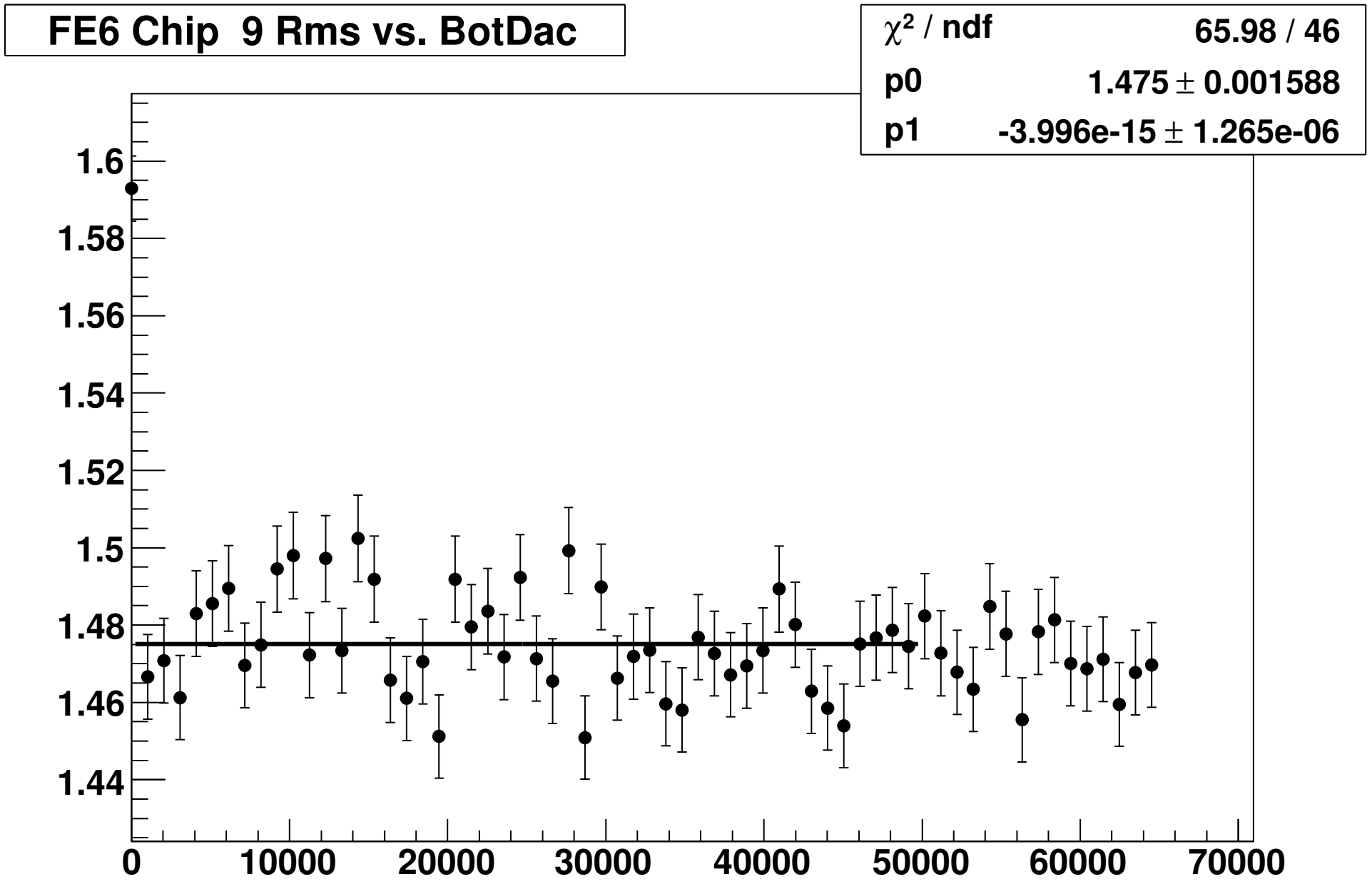
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1222 / 46
p0 1.382 ± 0.002655
p1 3.659e-05 ± 1.394e-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 9 Mean vs. BotDac
χ² / ndf 1332 / 46
p0 84.09 ± 0.004567
p1 1.956e-06 ± 1.581e-07
84.4
84.3
84.2
84.1
84
83.9
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 65.98 / 46
p0 1.475 ± 0.001588
p1 -3.996e-15 ± 1.265e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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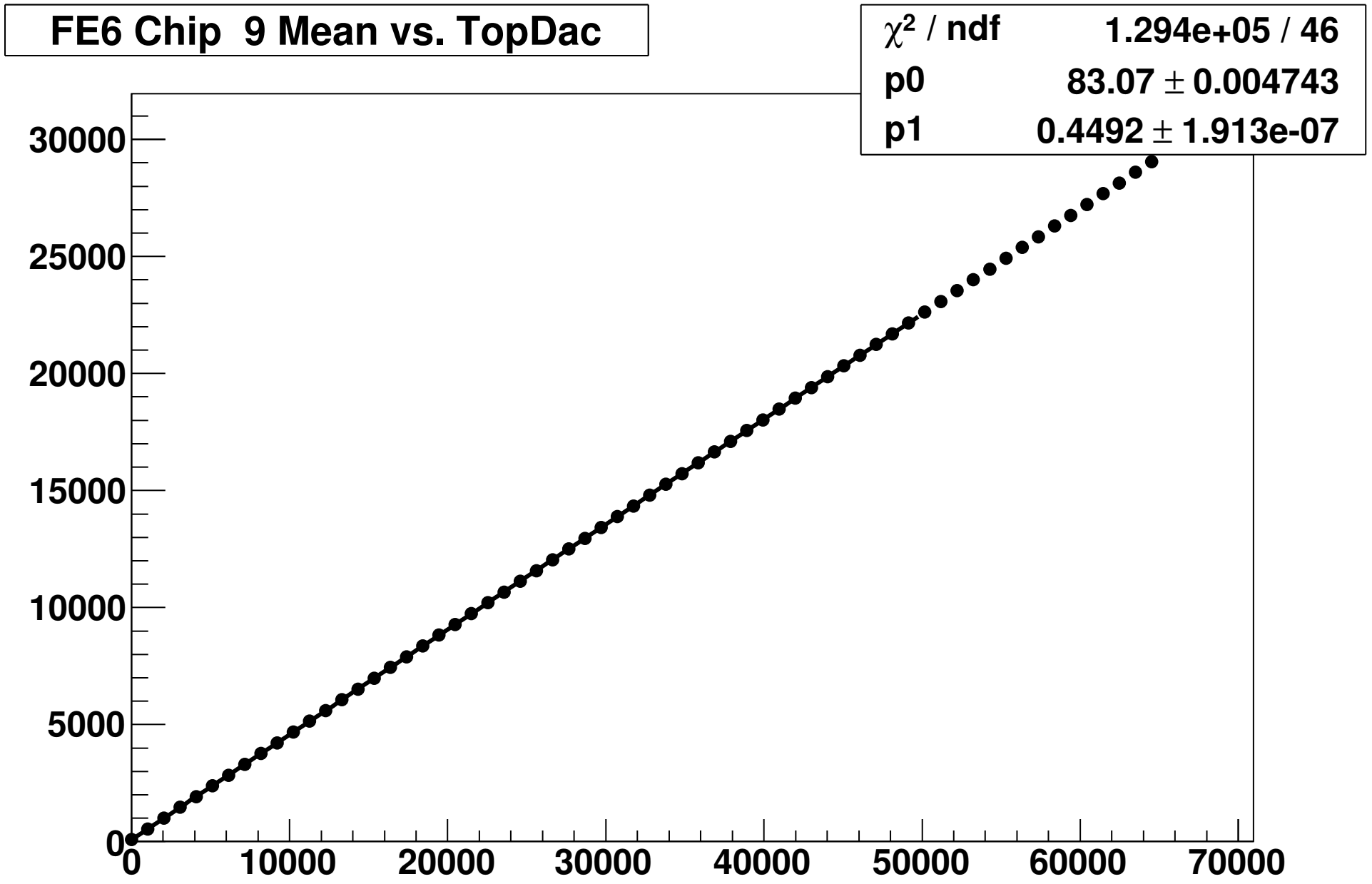
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.294e+05 / 46
p0 83.07 ± 0.004743
p1 0.4492 ± 1.913e-07
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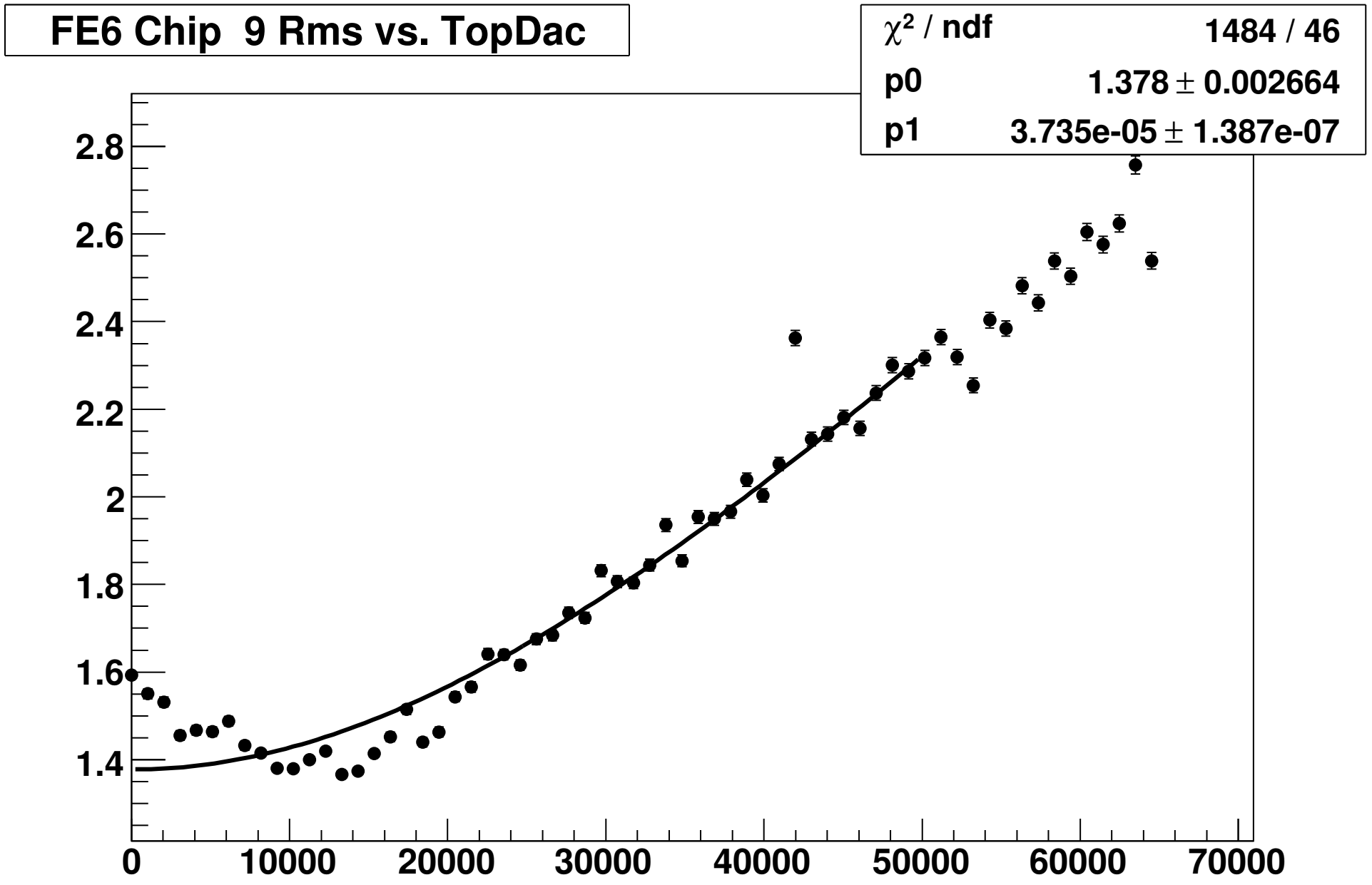
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1484 / 46
p0 1.378 ± 0.002664
p1 3.735e-05 ± 1.387e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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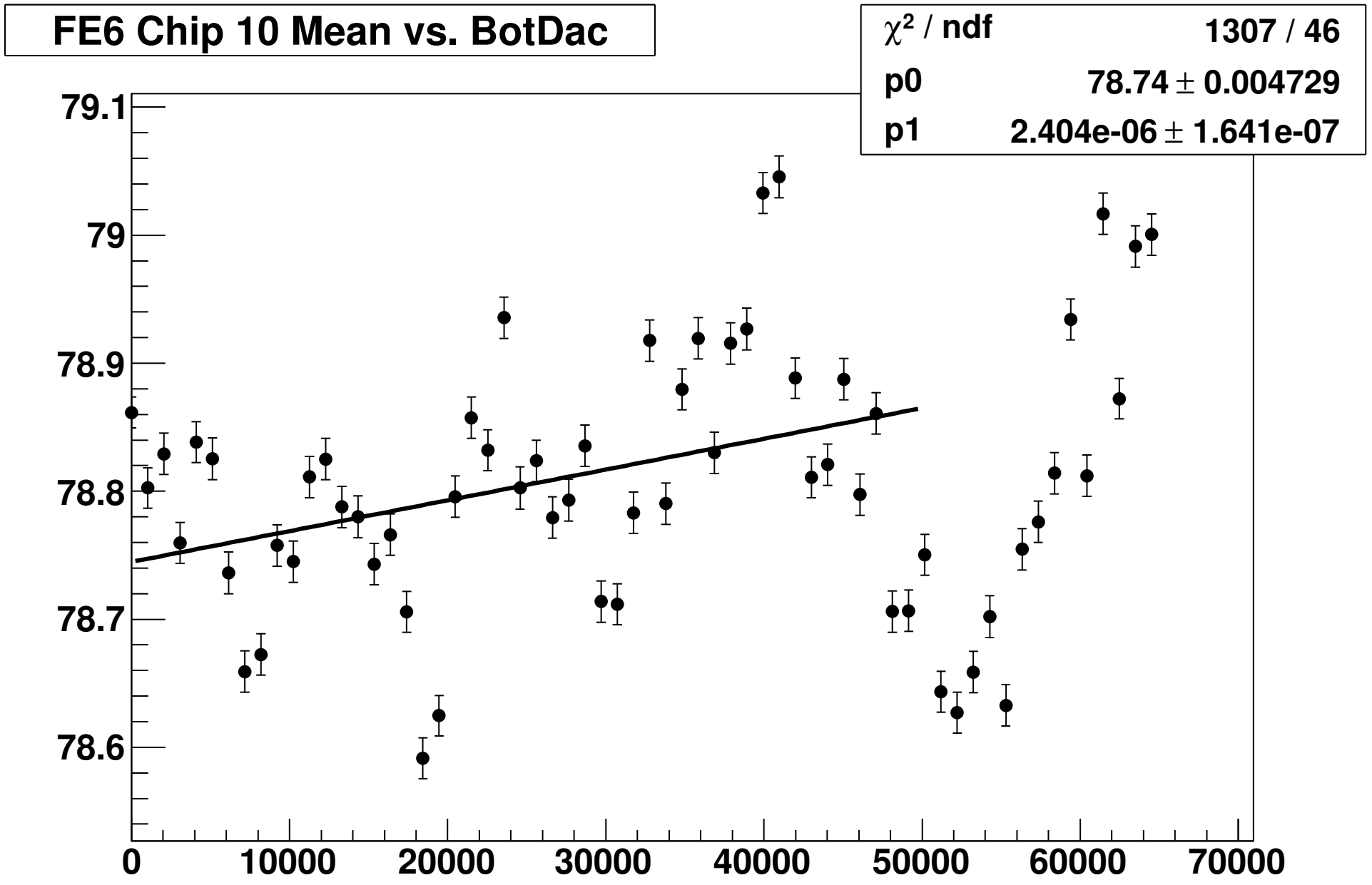
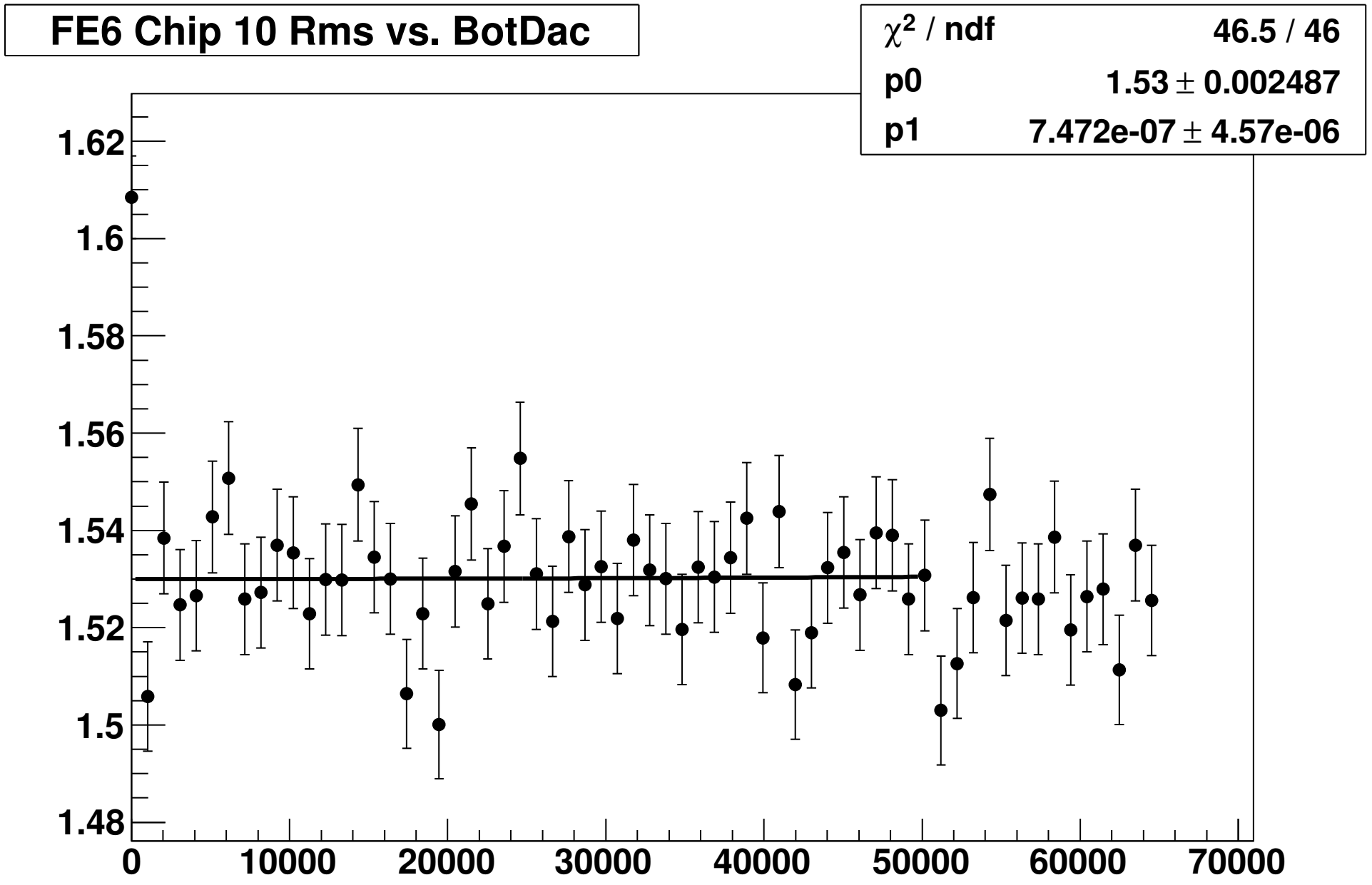
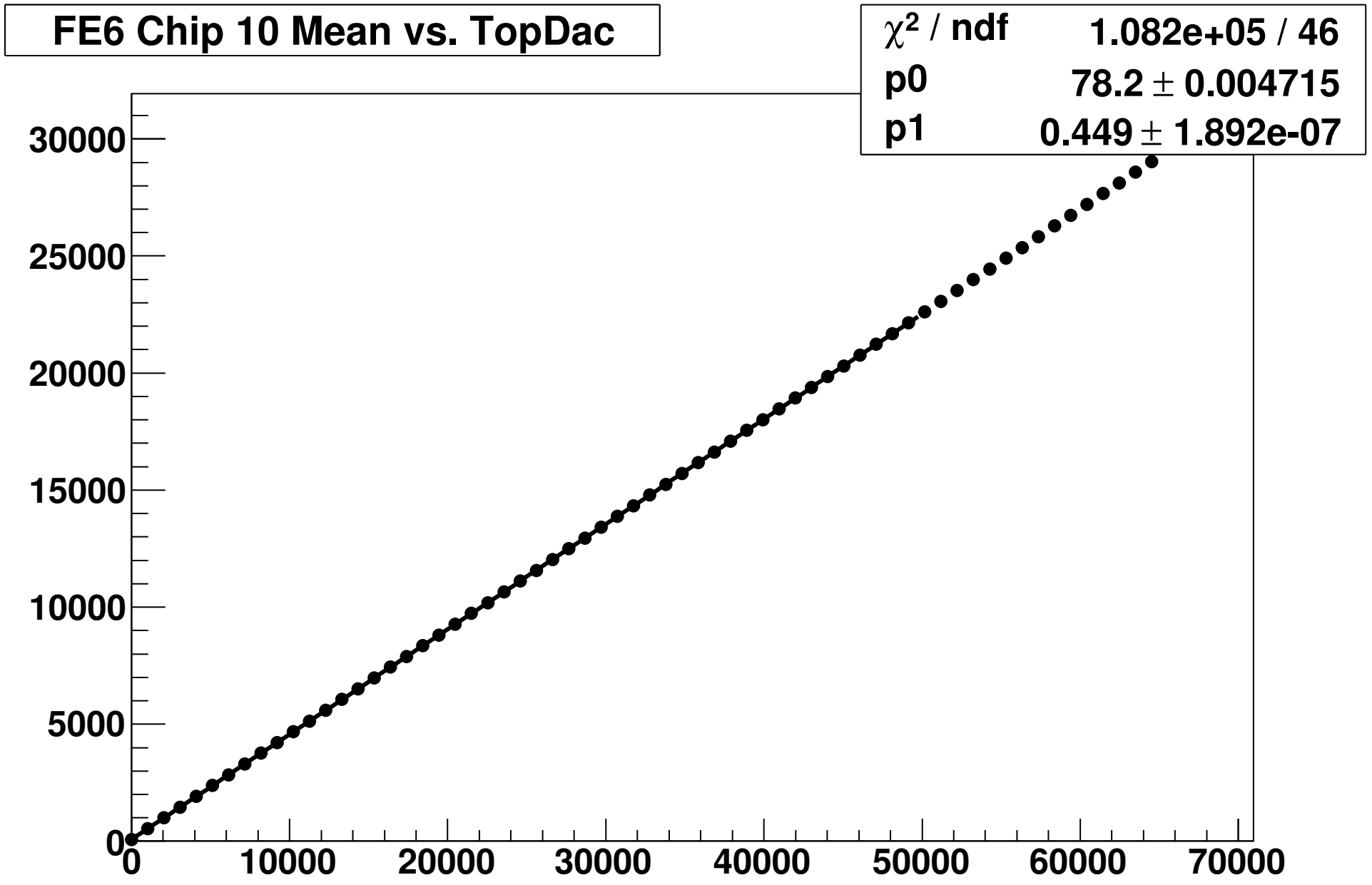
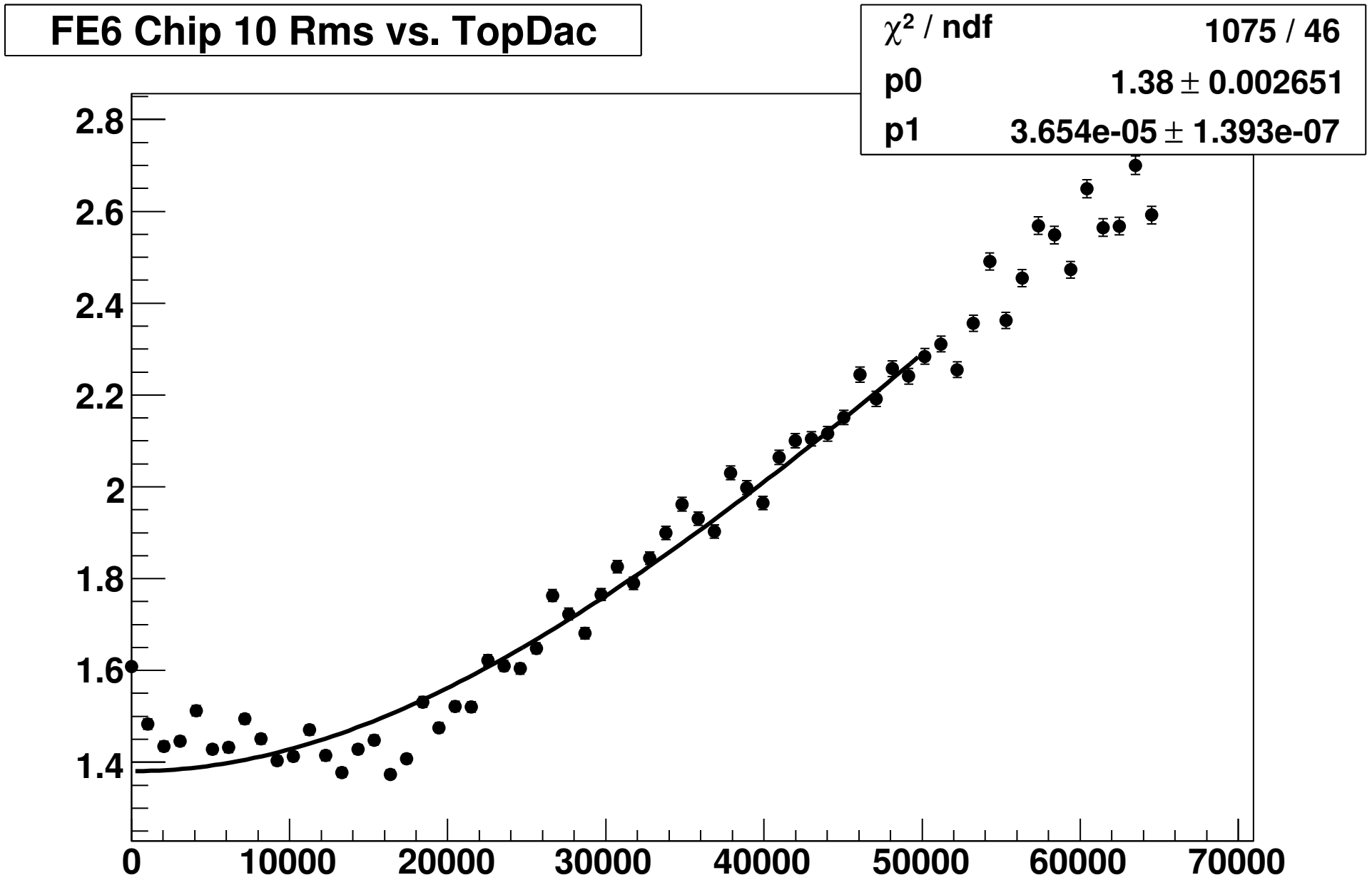
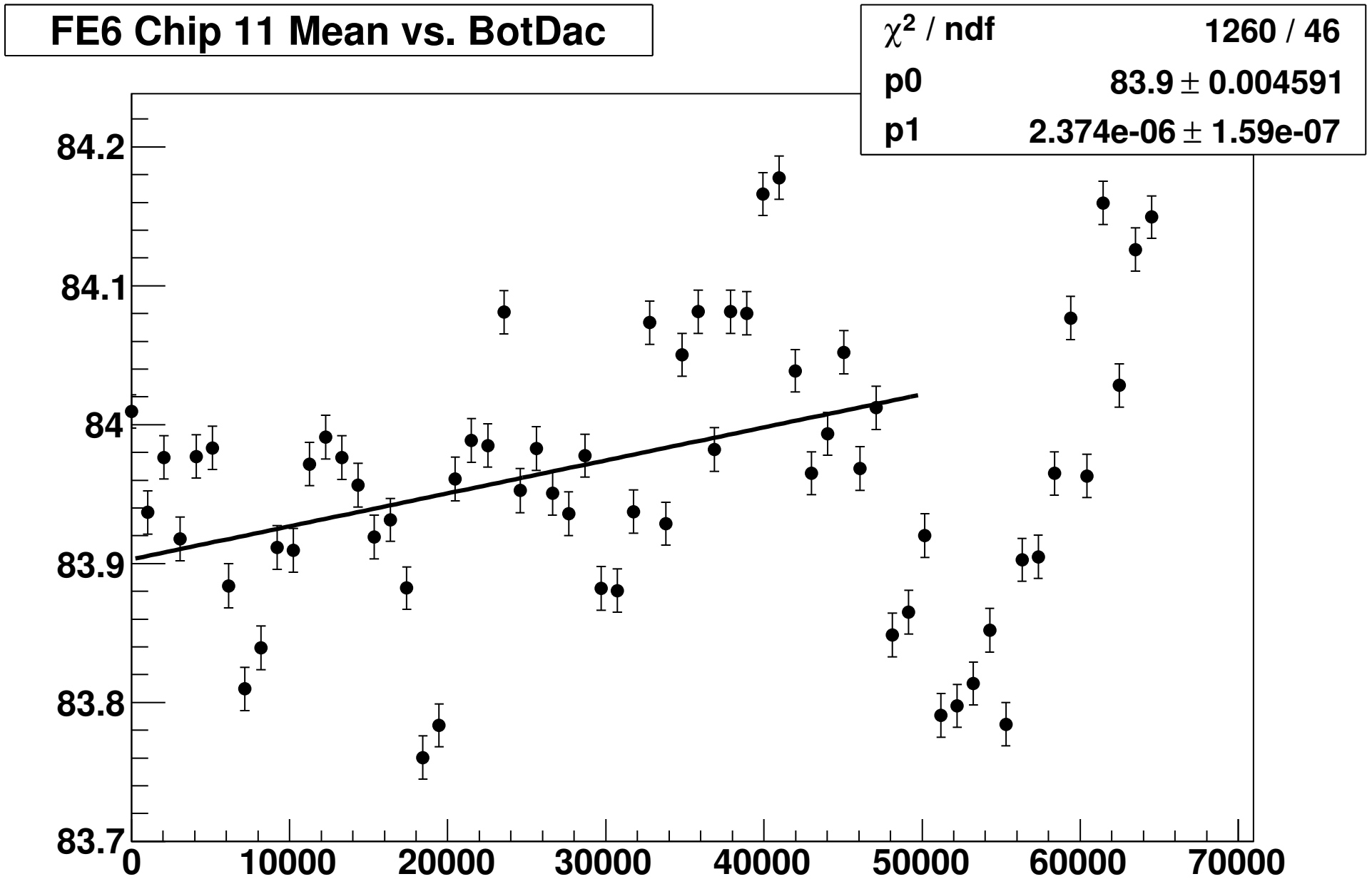
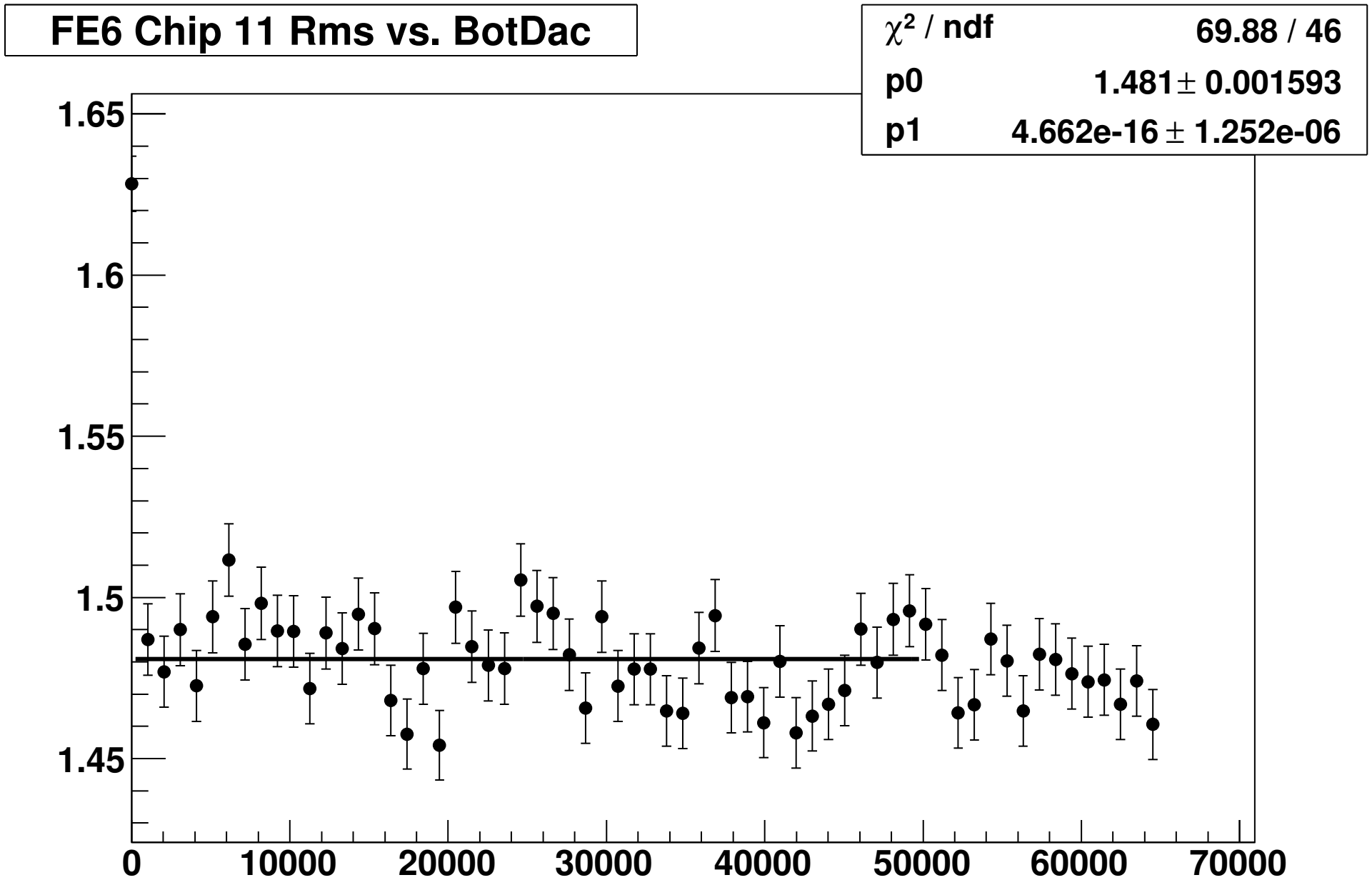

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 1307 / 46
p0 78.74 ± 0.004729
p1 2.404e-06 ± 1.641e-07
79.1
79
78.9
78.8
78.7
78.6
0
10000
20000
30000
40000
50000
60000
70000

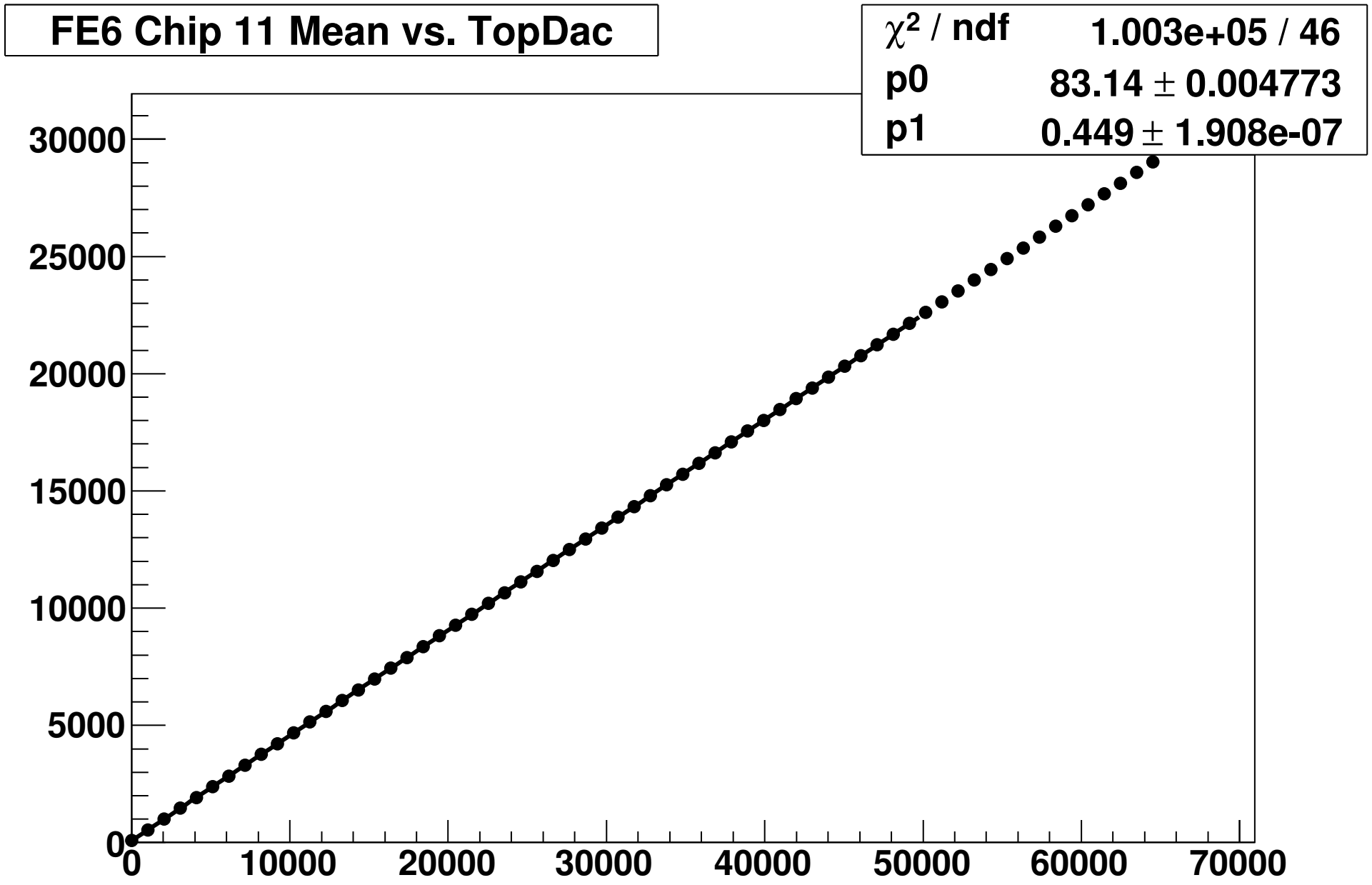

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 46.5 / 46
p0 1.53 ± 0.002487
p1 7.472e-07 ± 4.57e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.082e+05 / 46
p0 78.2 ± 0.004715
p1 0.449 ± 1.892e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1075 / 46
p0 1.38 ± 0.002651
p1 3.654e-05 ± 1.393e-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 11 Mean vs. BotDac
χ² / ndf 1260 / 46
p0 83.9 ± 0.004591
p1 2.374e-06 ± 1.59e-07
84.2
84.1
84
83.9
83.8
83.7
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 69.88 / 46
p0 1.481 ± 0.001593
p1 4.662e-16 ± 1.252e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.003e+05 / 46
p0 83.14 ± 0.004773
p1 0.449 ± 1.908e-07
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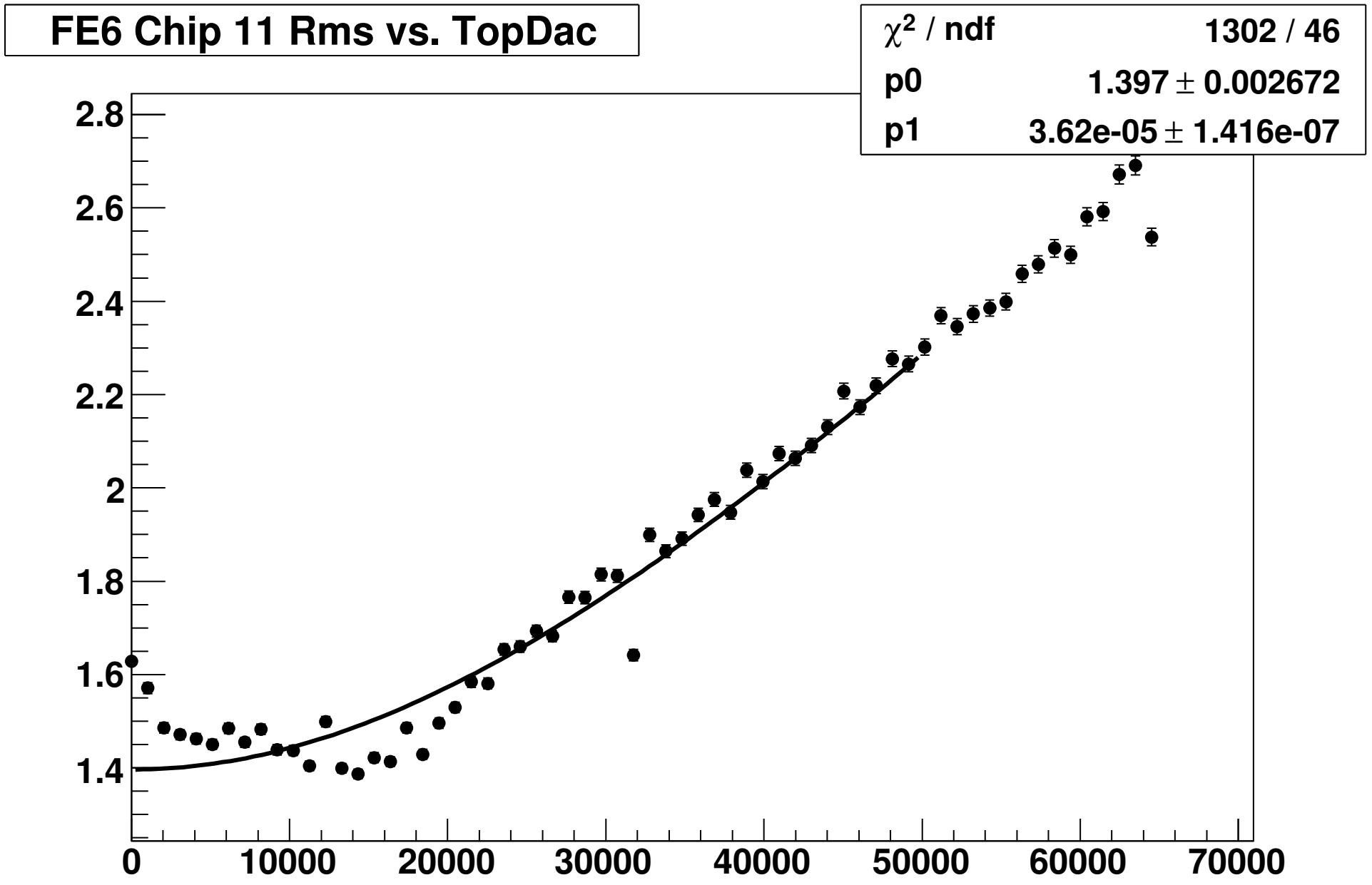
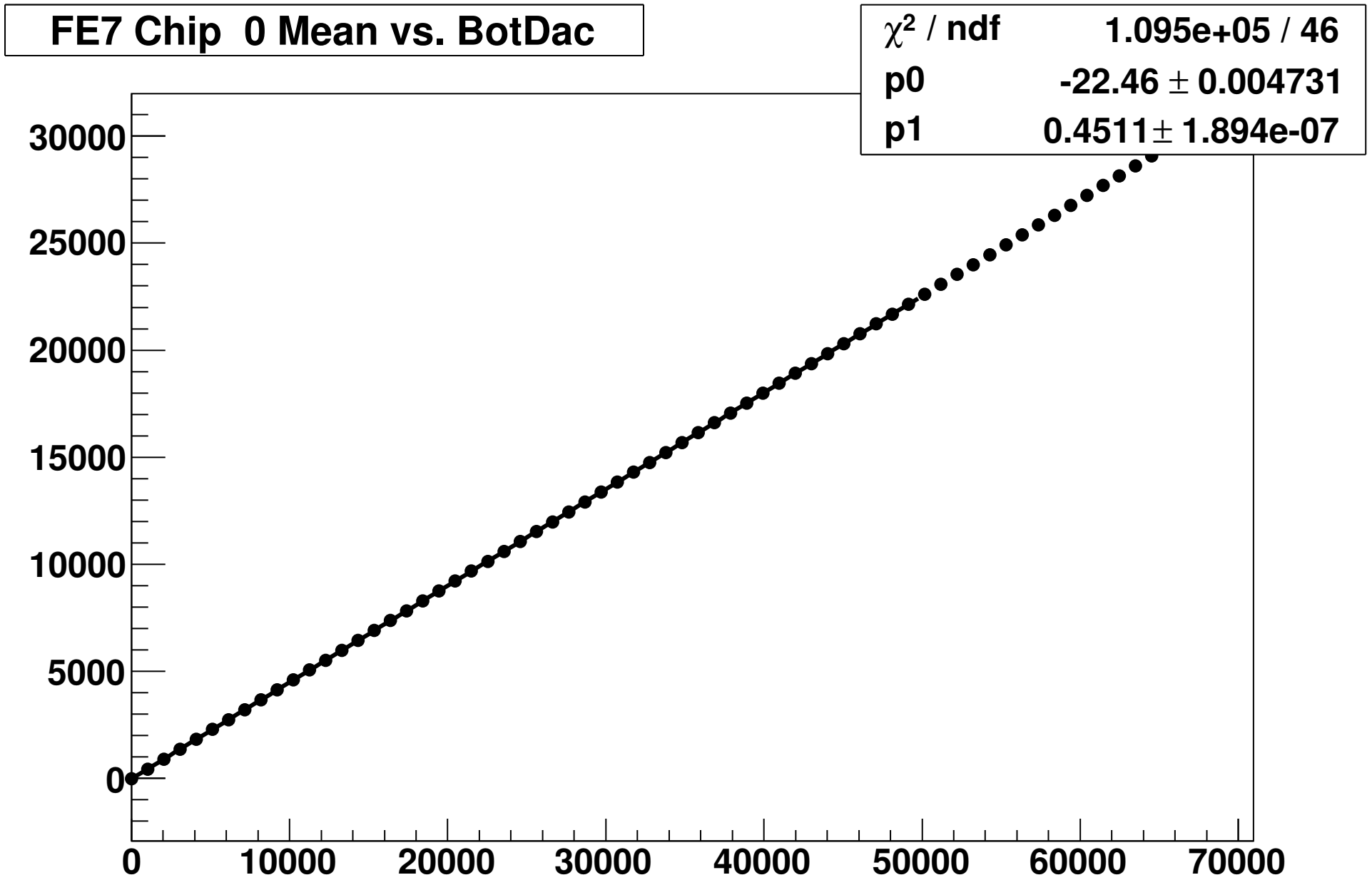
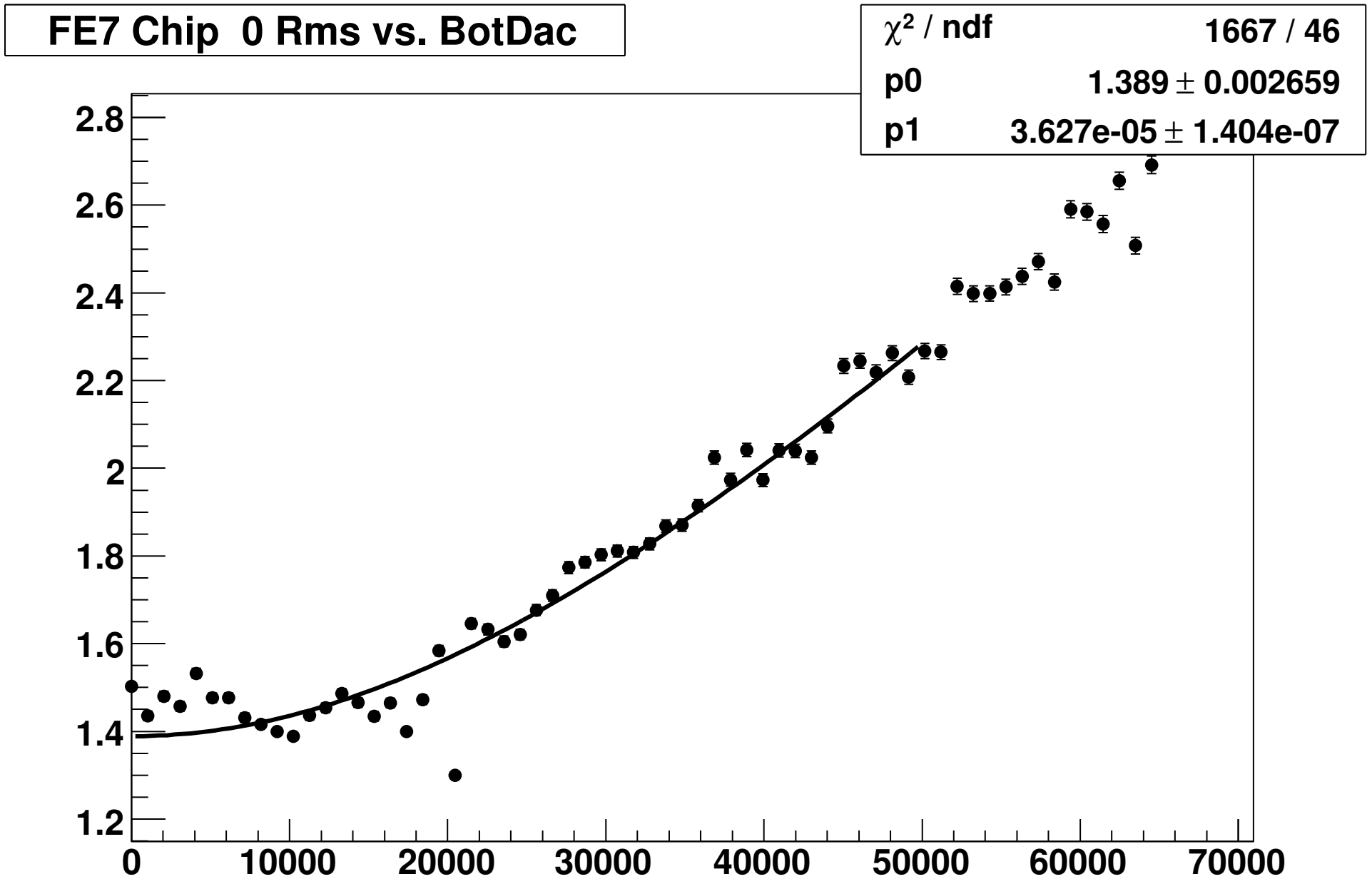
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1302 / 46
p0 1.397 ± 0.002672
p1 3.62e-05 ± 1.416e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.095e+05 / 46
p0 -22.46 ± 0.004731
p1 0.4511 ± 1.894e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1667 / 46
p0 1.389 ± 0.002659
p1 3.627e-05 ± 1.404e-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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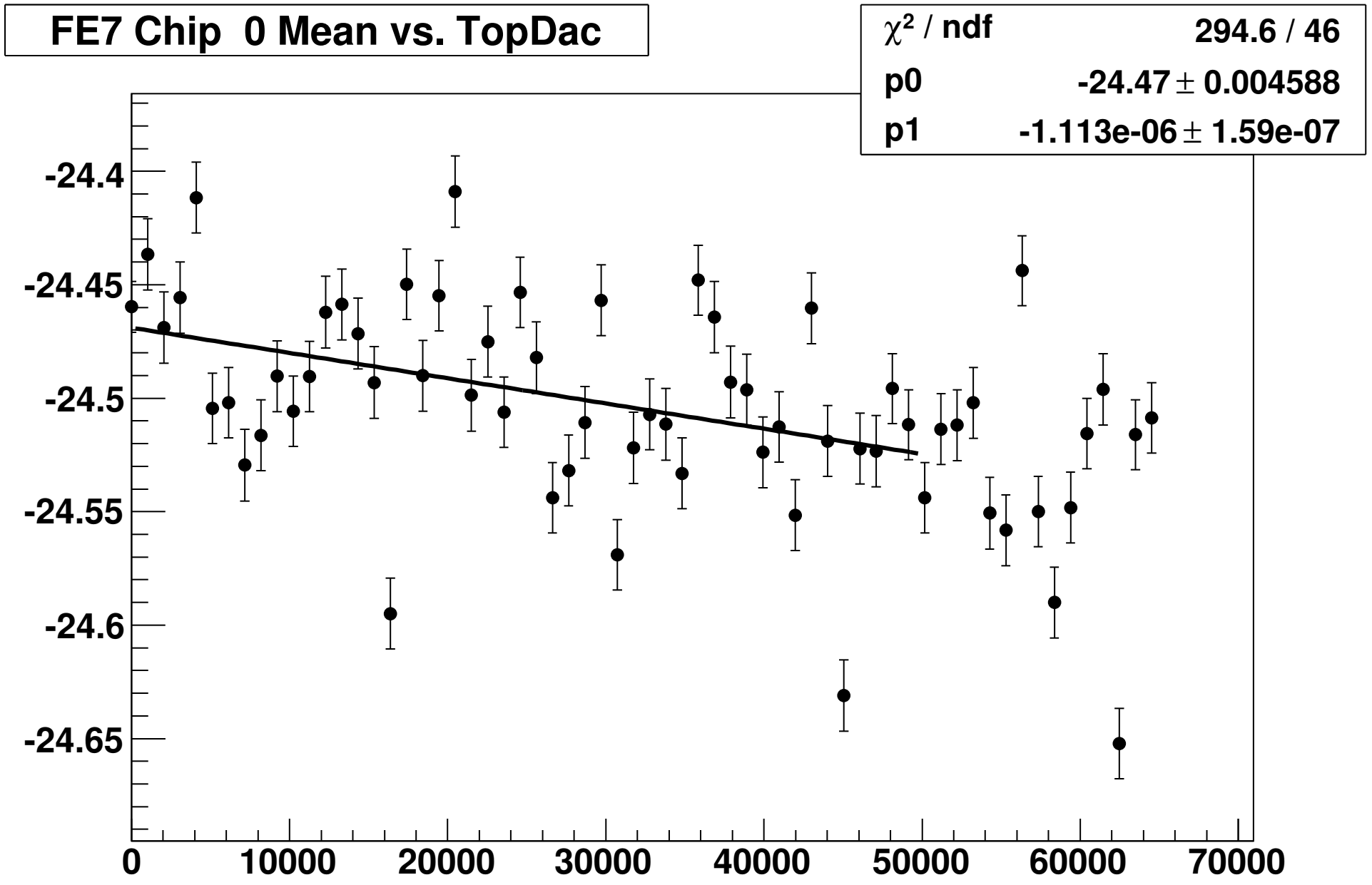
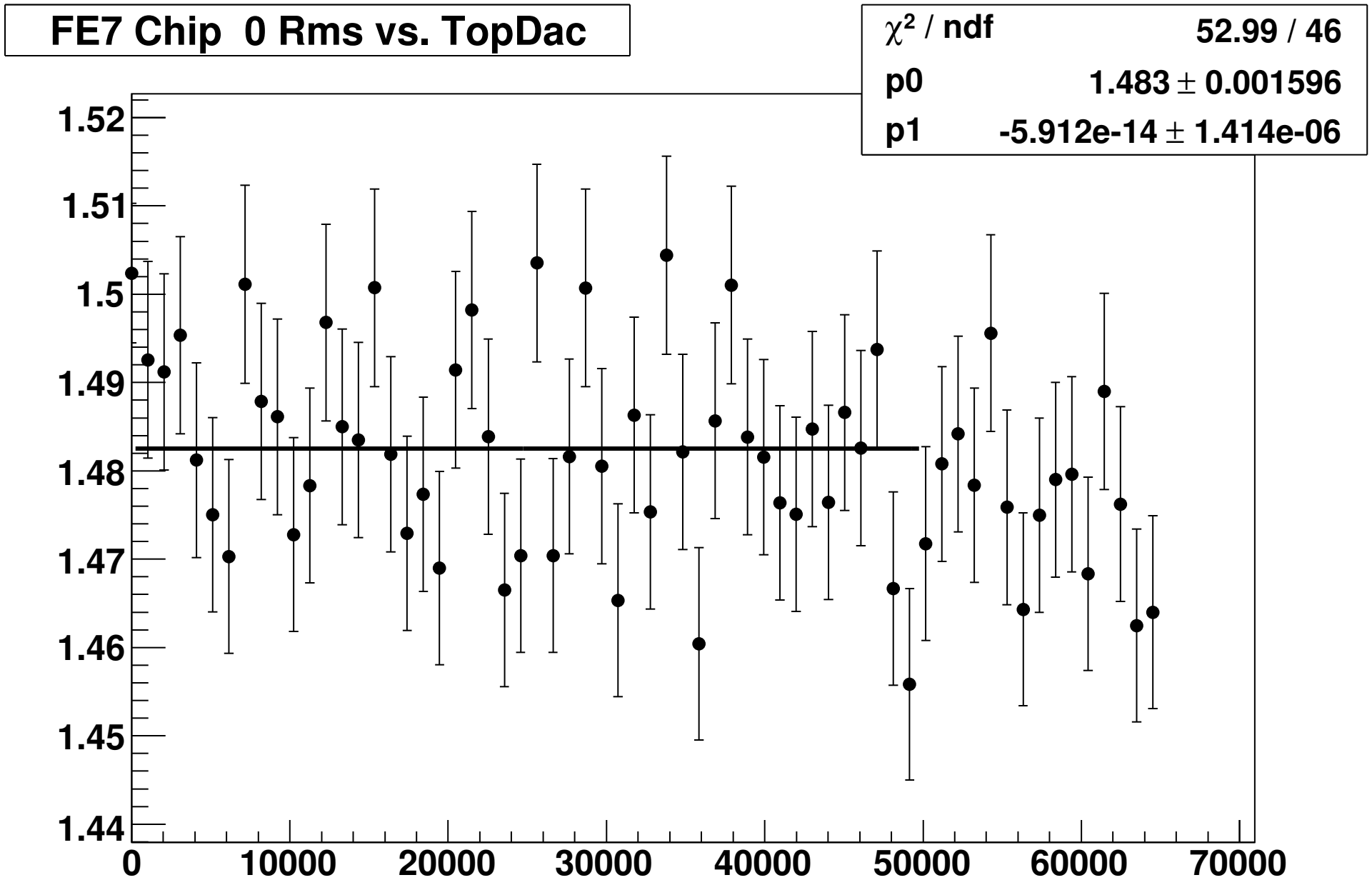
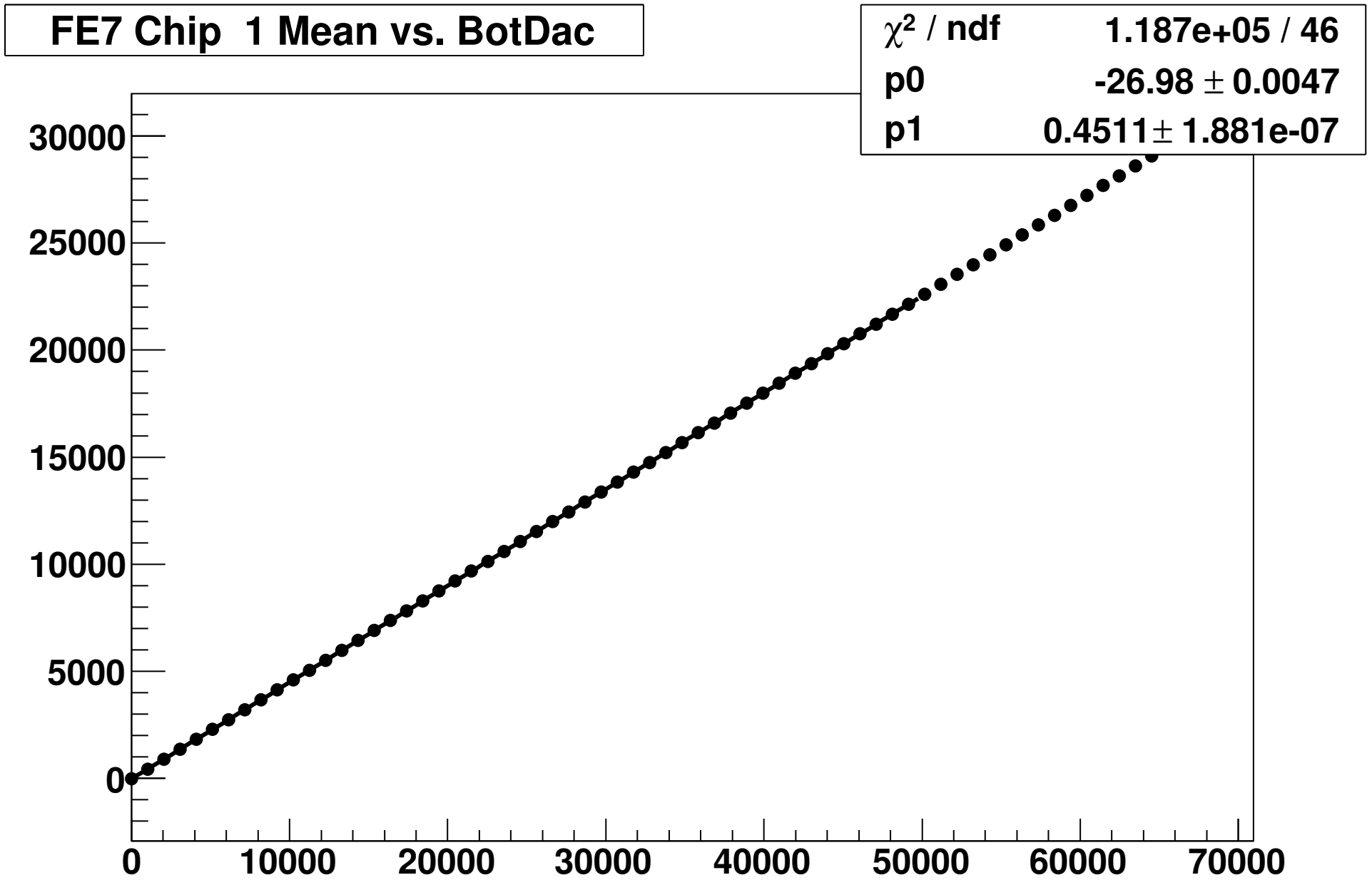

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 294.6 / 46
p0 -24.47 ± 0.004588
p1 -1.113e-06 ± 1.59e-07
-24.4
-24.45
-24.5
-24.55
-24.6
-24.65
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 52.99 / 46
p0 1.483 ± 0.001596
p1 -5.912e-14 ± 1.414e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.187e+05 / 46
p0 -26.98 ± 0.0047
p1 0.4511 ± 1.881e-07
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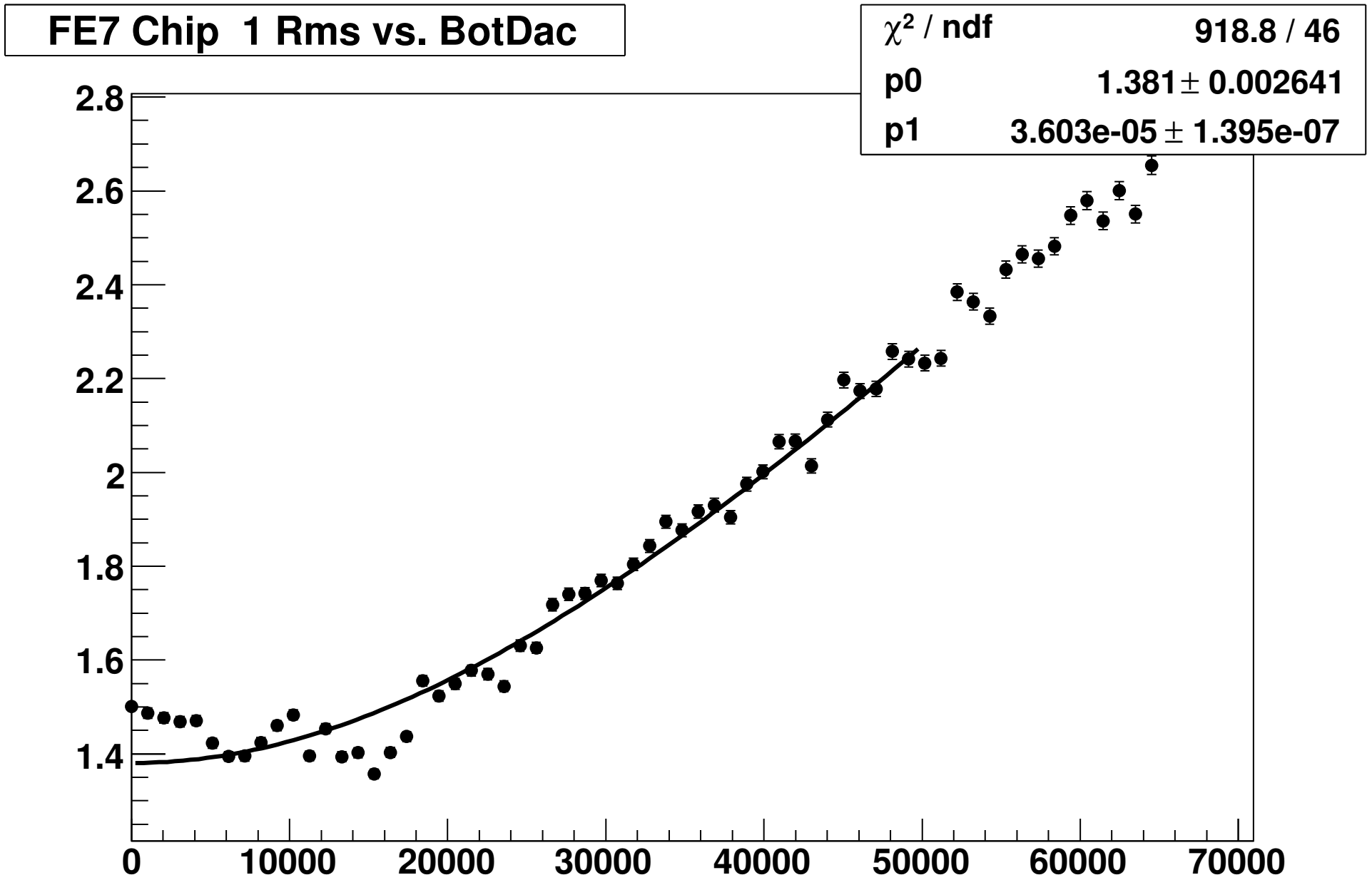
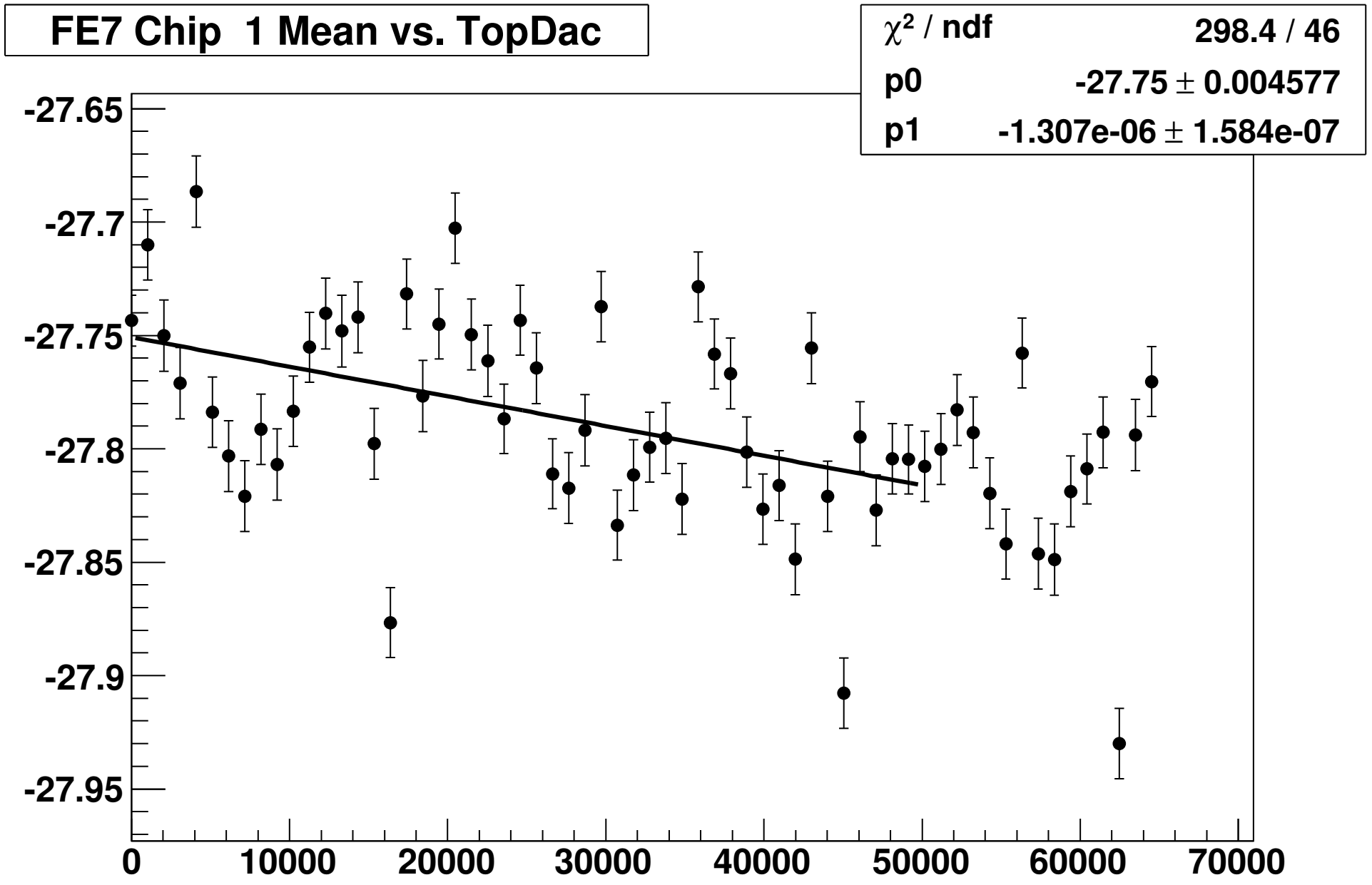
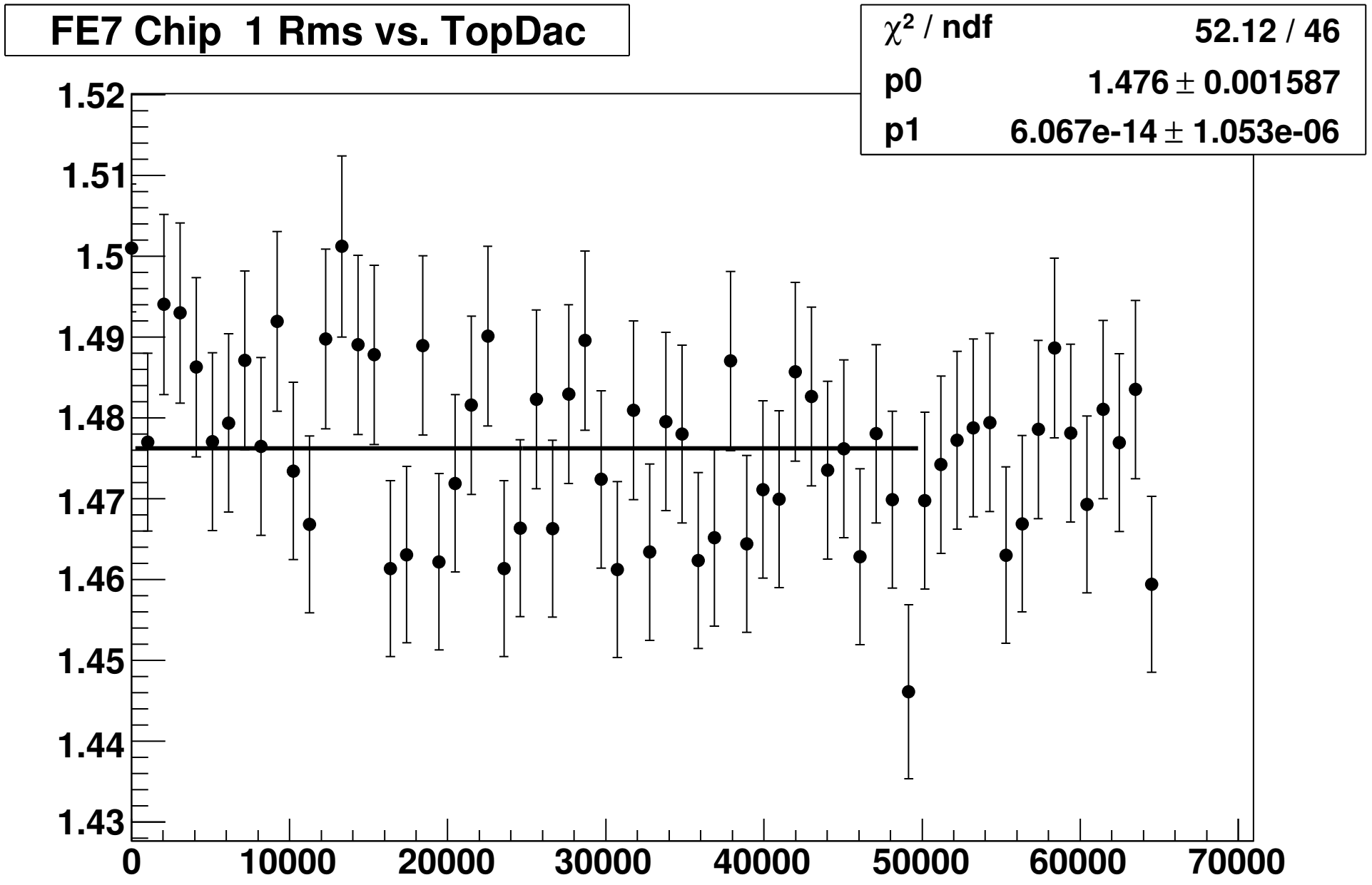
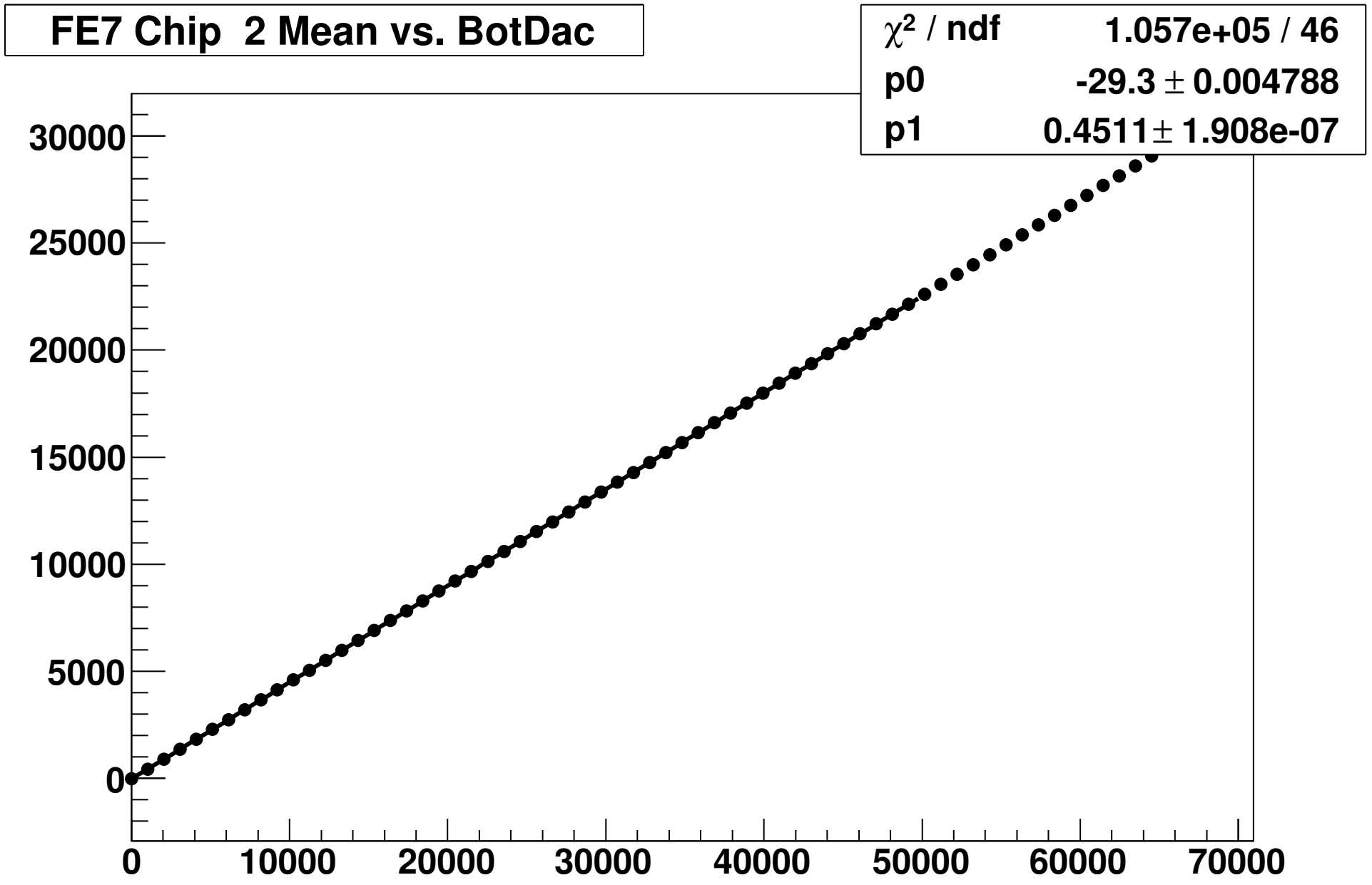
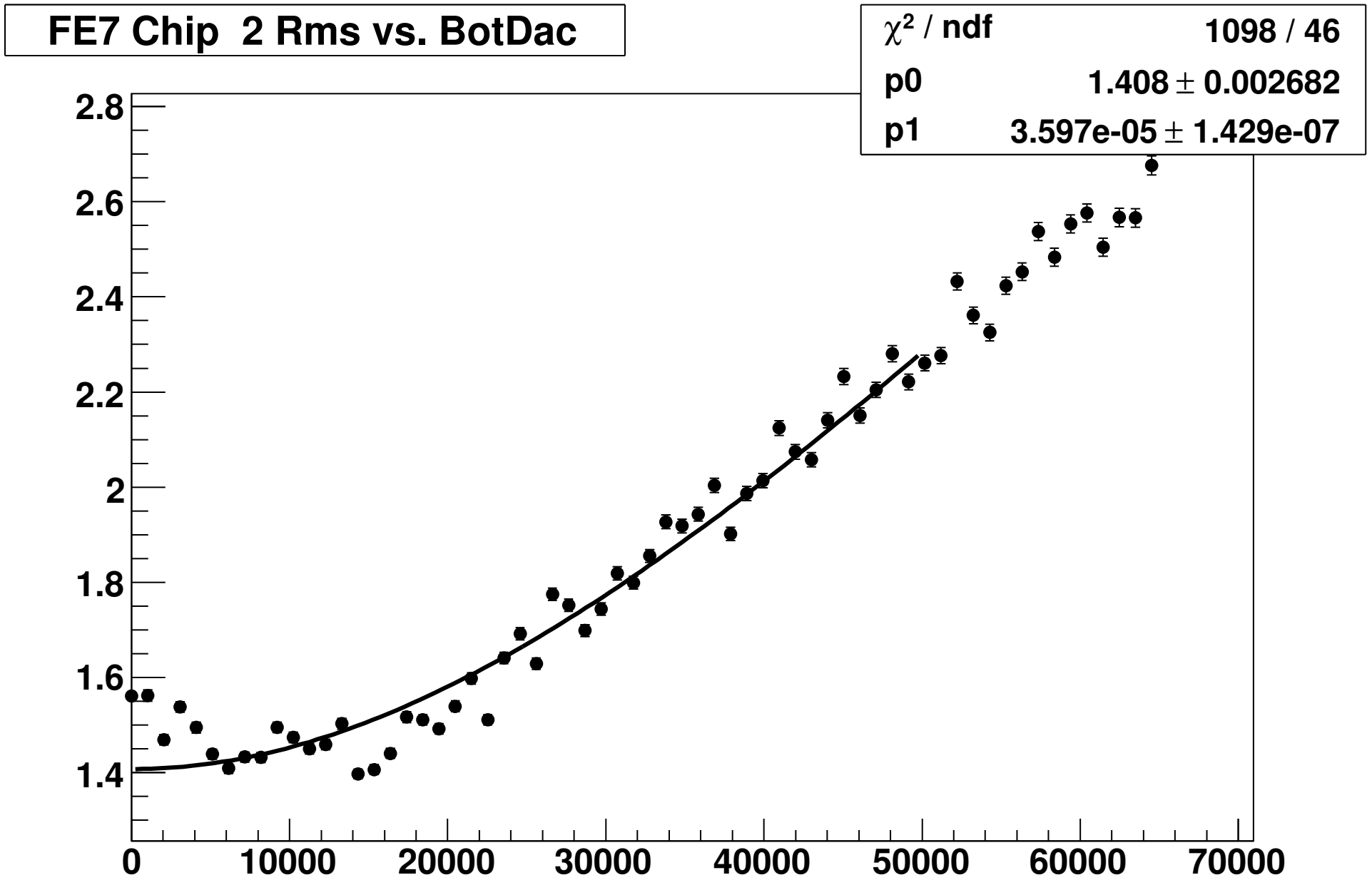
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 918.8 / 46
p0 1.381 ± 0.002641
p1 3.603e-05 ± 1.395e-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 298.4 / 46
p0 -27.75 ± 0.004577
p1 -1.307e-06 ± 1.584e-07
-27.65
-27.7
-27.75
-27.8
-27.85
-27.9
-27.95
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 52.12 / 46
p0 1.476 ± 0.001587
p1 6.067e-14 ± 1.053e-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
70000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.057e+05 / 46
p0 -29.3 ± 0.004788
p1 0.4511 ± 1.908e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1098 / 46
p0 1.408 ± 0.002682
p1 3.597e-05 ± 1.429e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
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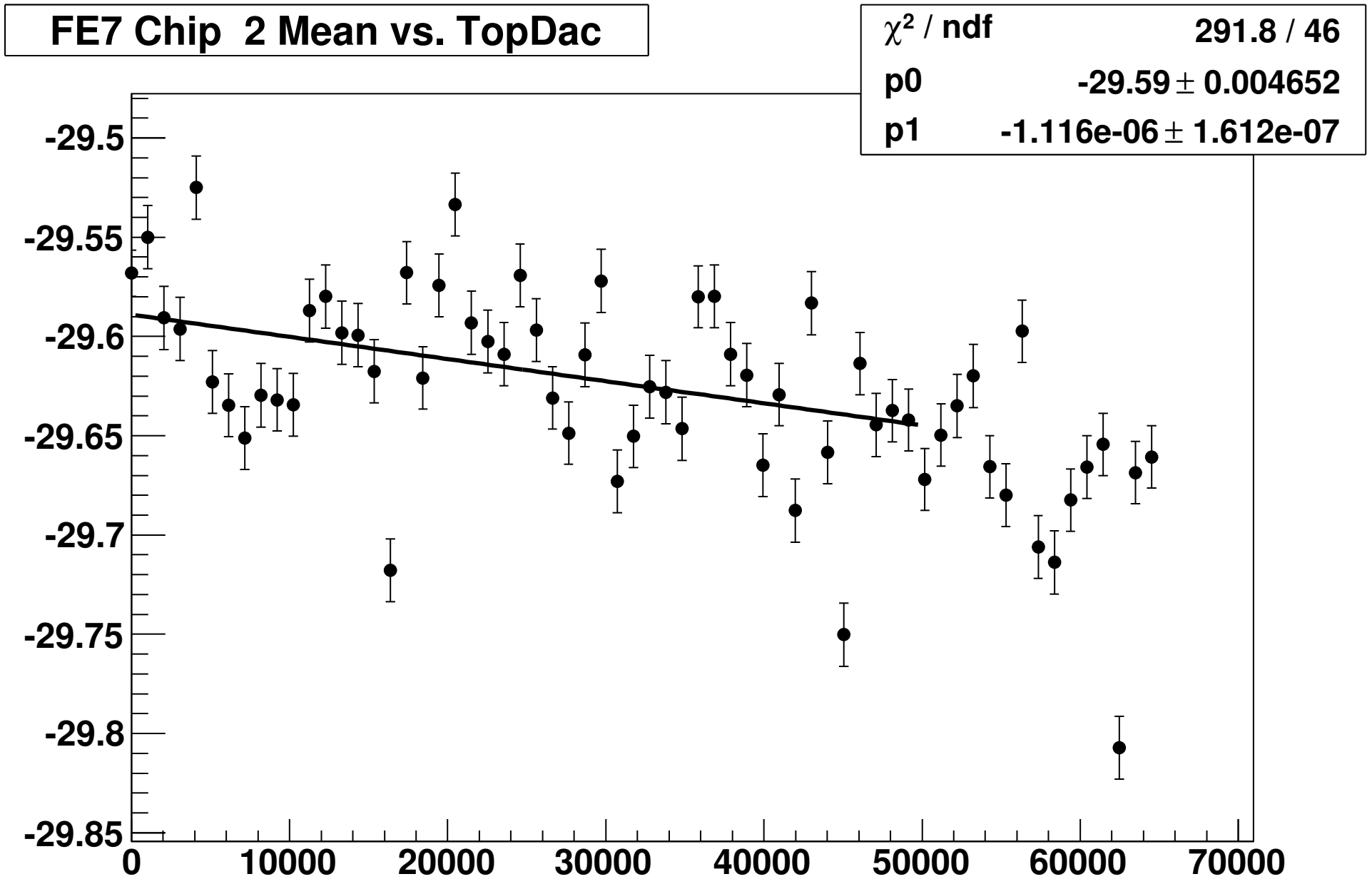
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 291.8 / 46
p0 -29.59 ± 0.004652
p1 -1.116e-06 ± 1.612e-07
-29.5
-29.55
-29.6
-29.65
-29.7
-29.75
-29.8
-29.85
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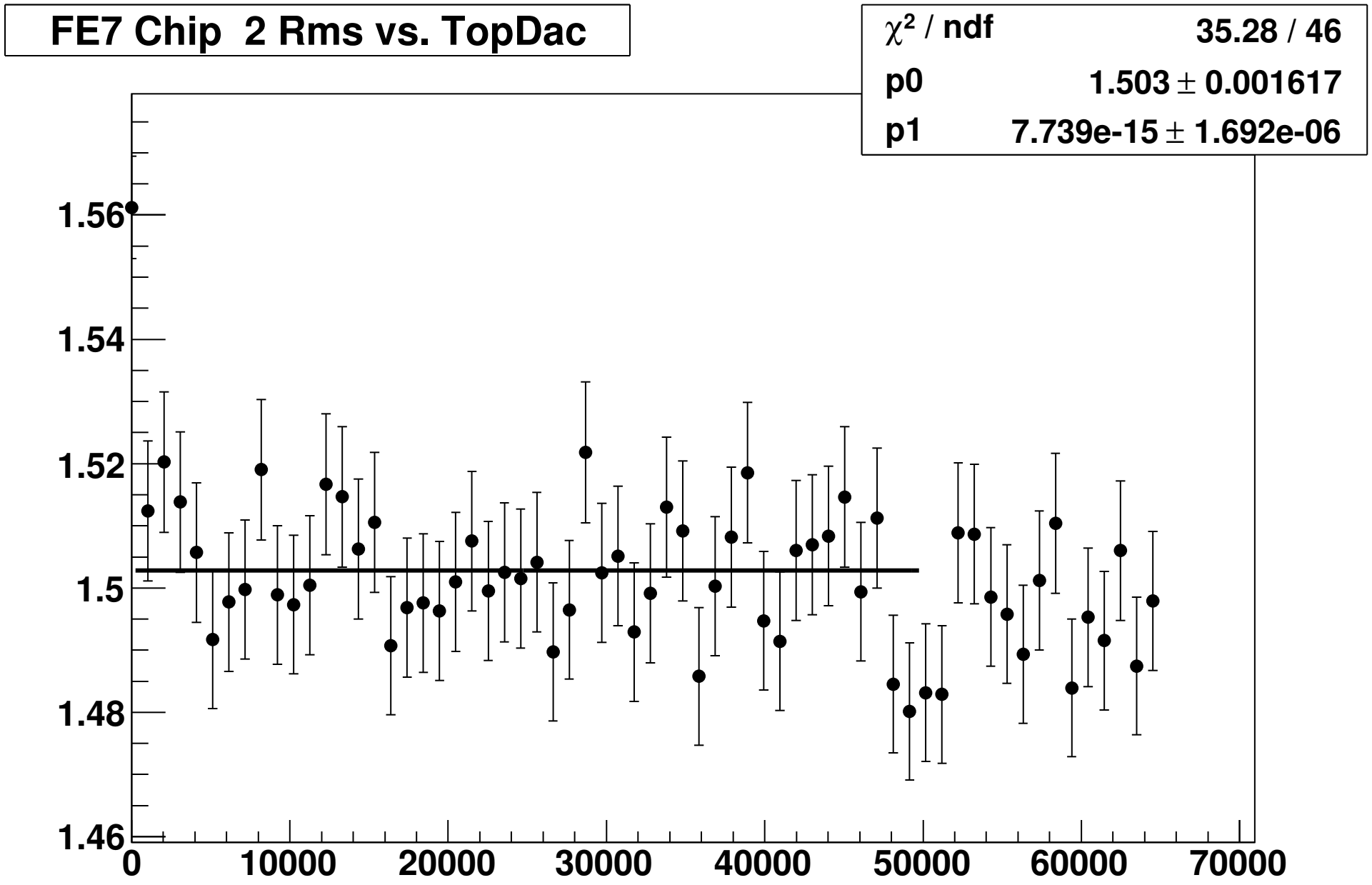
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 35.28 / 46
p0 1.503 ± 0.001617
p1 7.739e-15 ± 1.692e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
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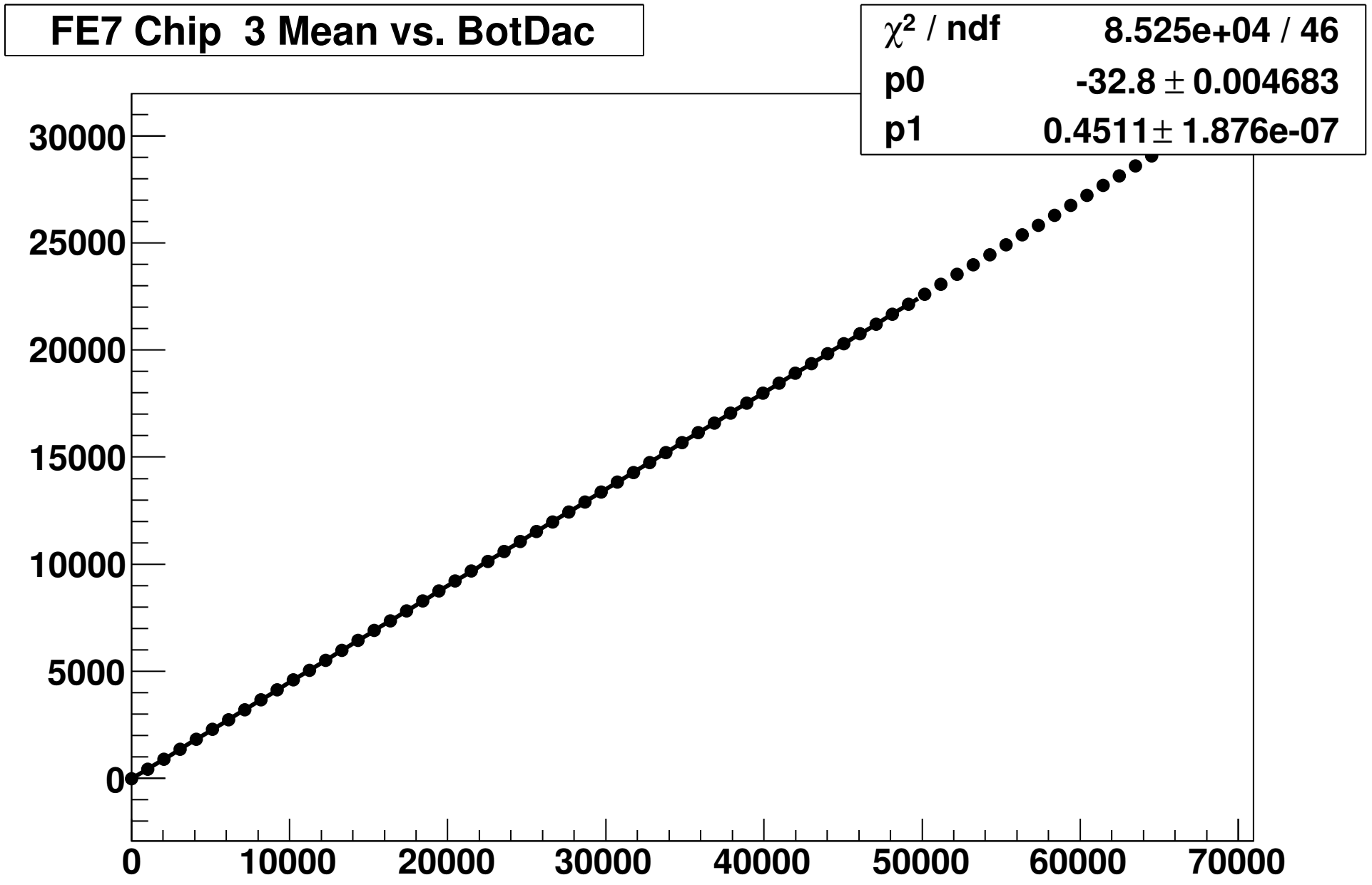
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 8.525e+04 / 46
p0 -32.8 ± 0.004683
p1 0.4511 ± 1.876e-07
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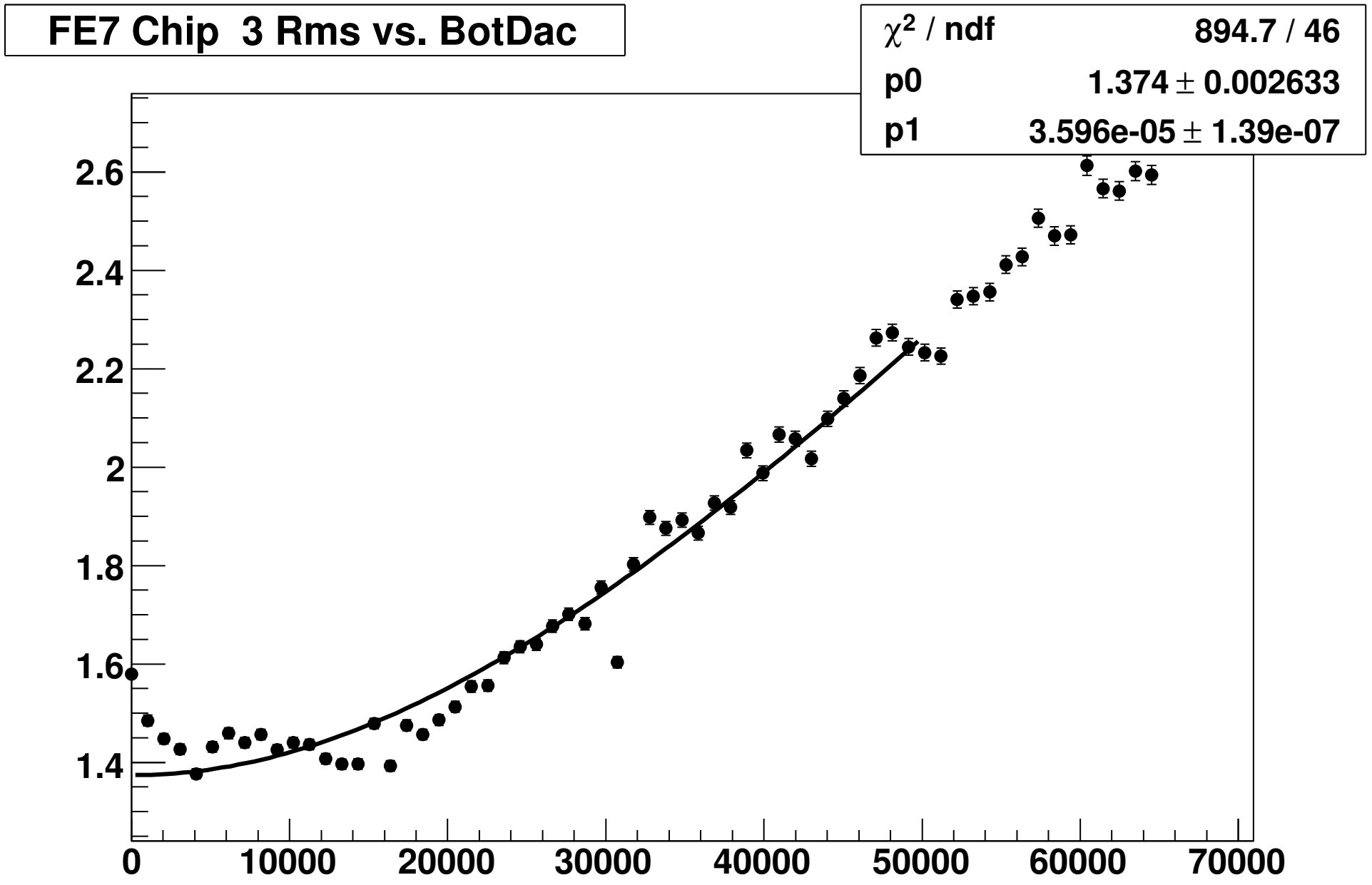
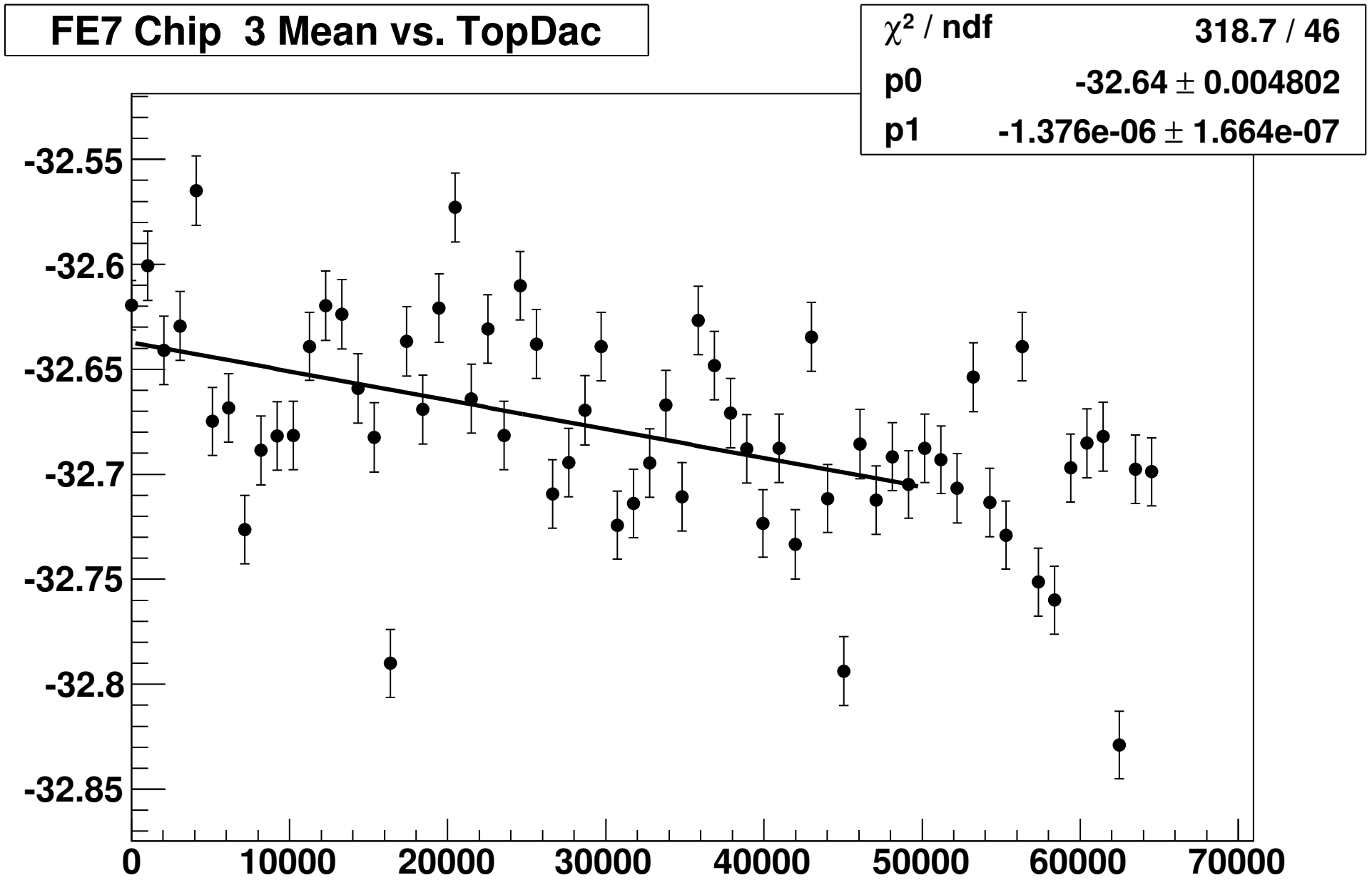
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 894.7 / 46
p0 1.374 ± 0.002633
p1 3.596e-05 ± 1.39e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 318.7 / 46
p0 -32.64 ± 0.004802
p1 -1.376e-06 ± 1.664e-07
-32.55
-32.6
-32.65
-32.7
-32.75
-32.8
-32.85
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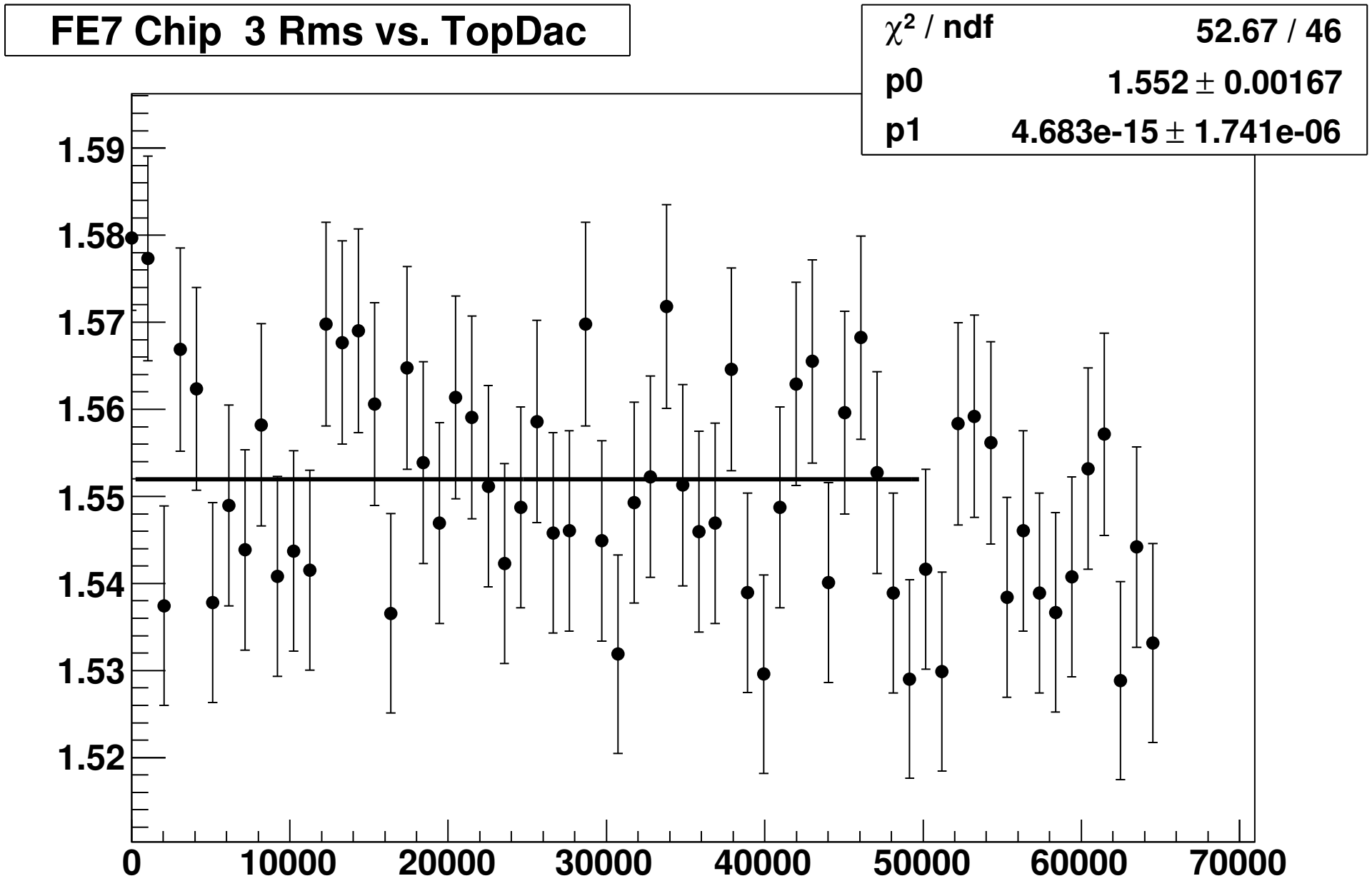
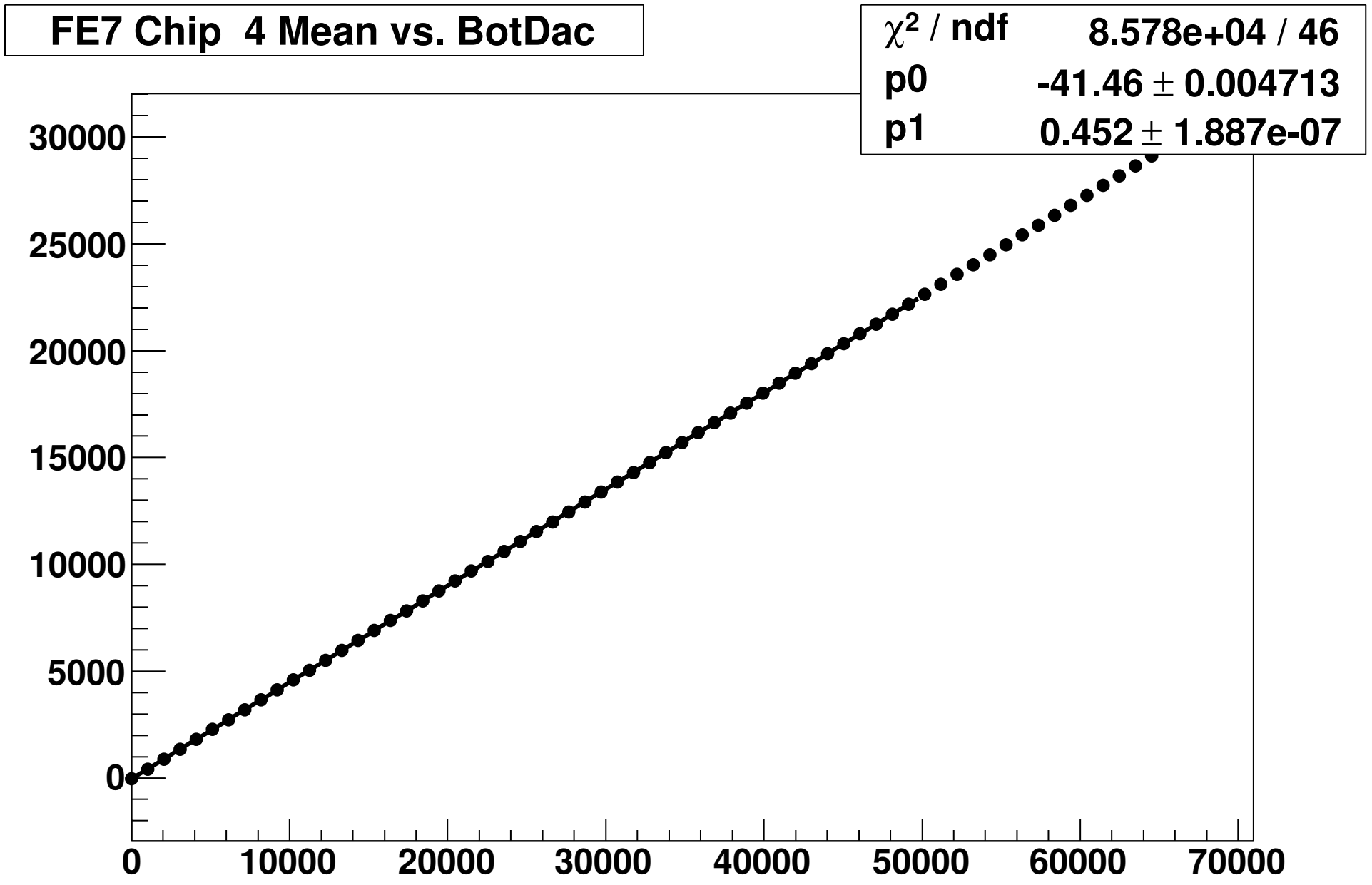
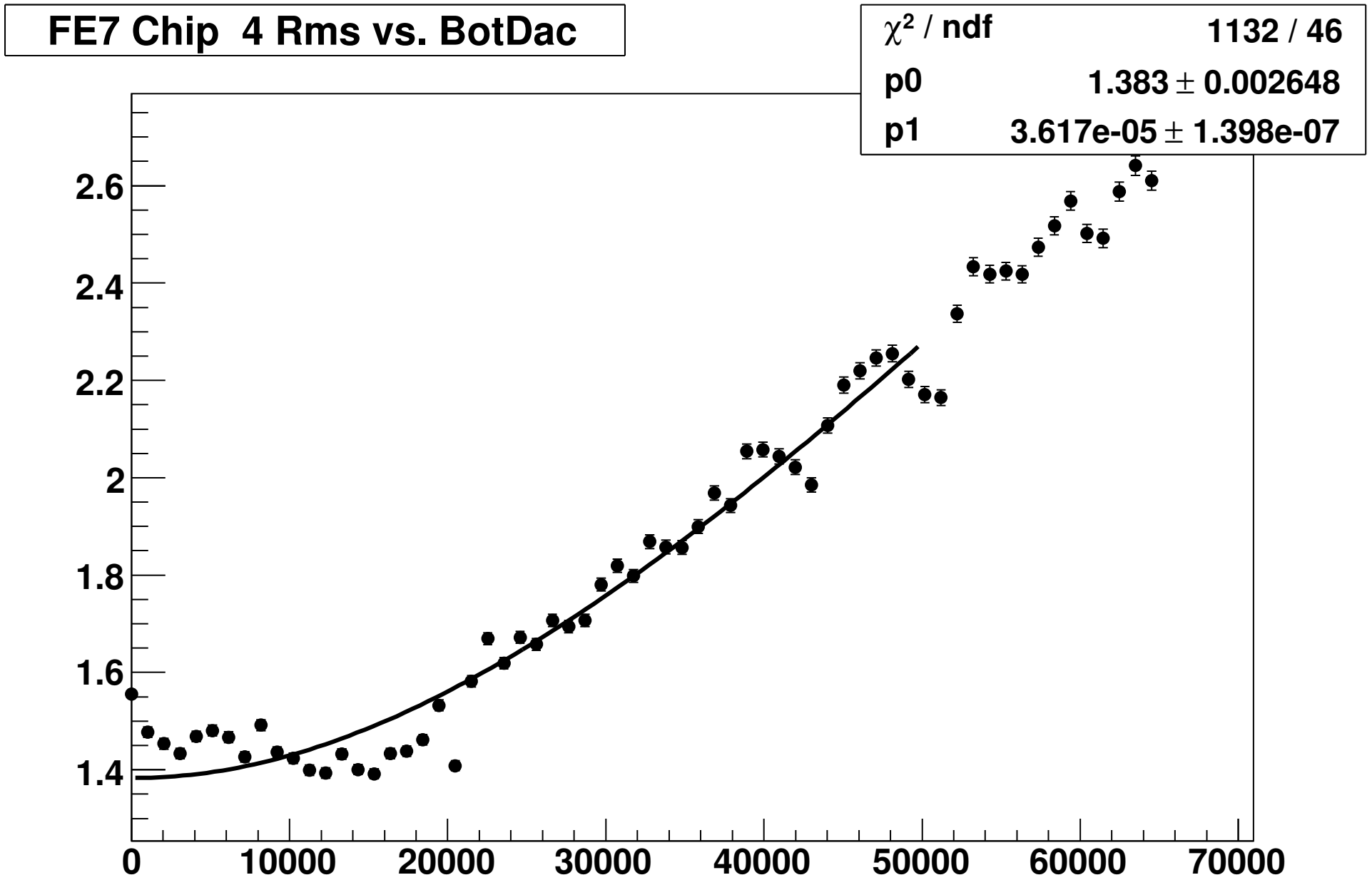
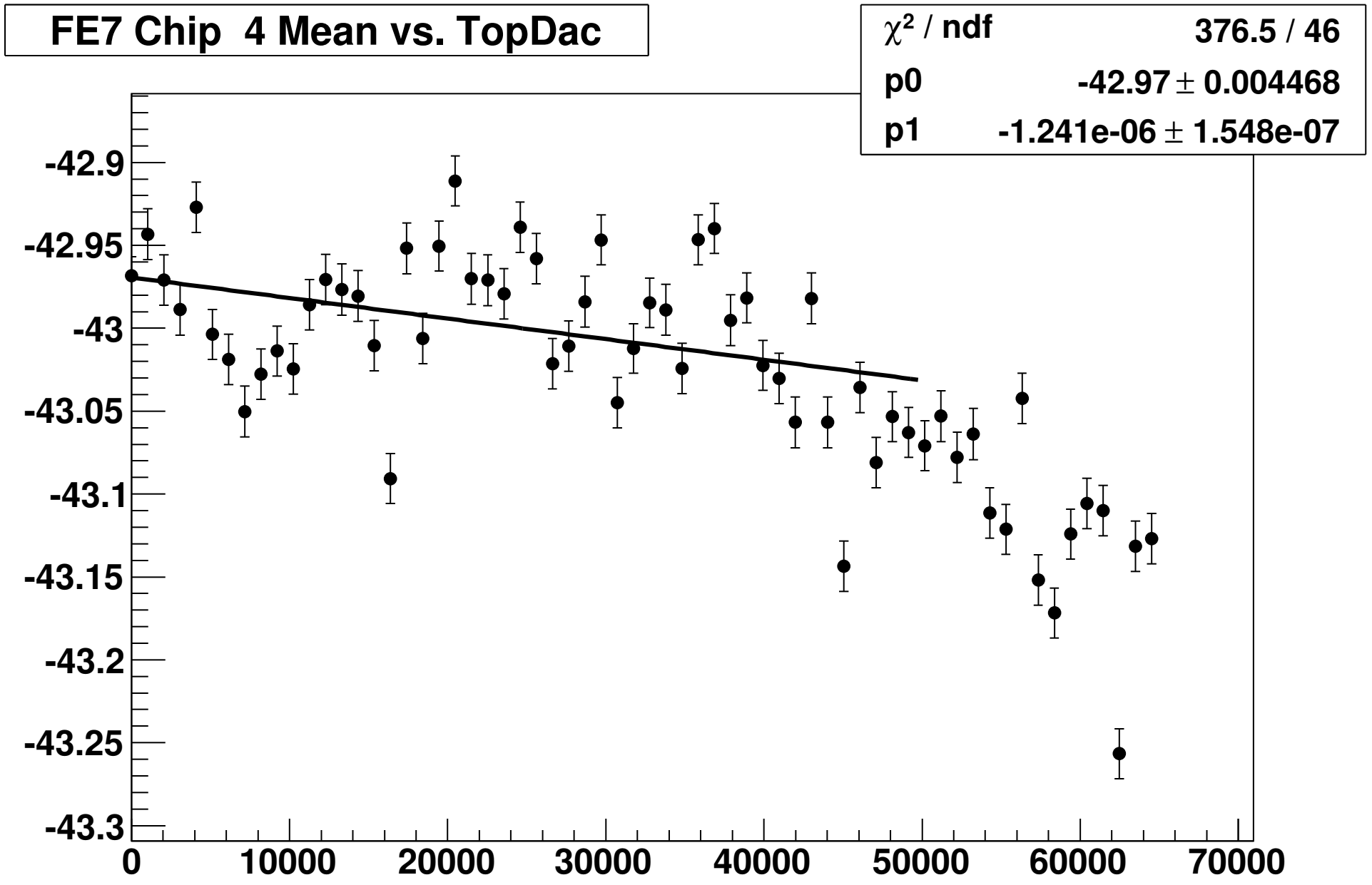

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 52.67 / 46
p0 1.552 ± 0.00167
p1 4.683e-15 ± 1.741e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 8.578e+04 / 46
p0 -41.46 ± 0.004713
p1 0.452 ± 1.887e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1132 / 46
p0 1.383 ± 0.002648
p1 3.617e-05 ± 1.398e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 376.5 / 46
p0 -42.97 ± 0.004468
p1 -1.241e-06 ± 1.548e-07
-42.9
-42.95
-43
-43.05
-43.1
-43.15
-43.2
-43.25
-43.3
0
10000
20000
30000
40000
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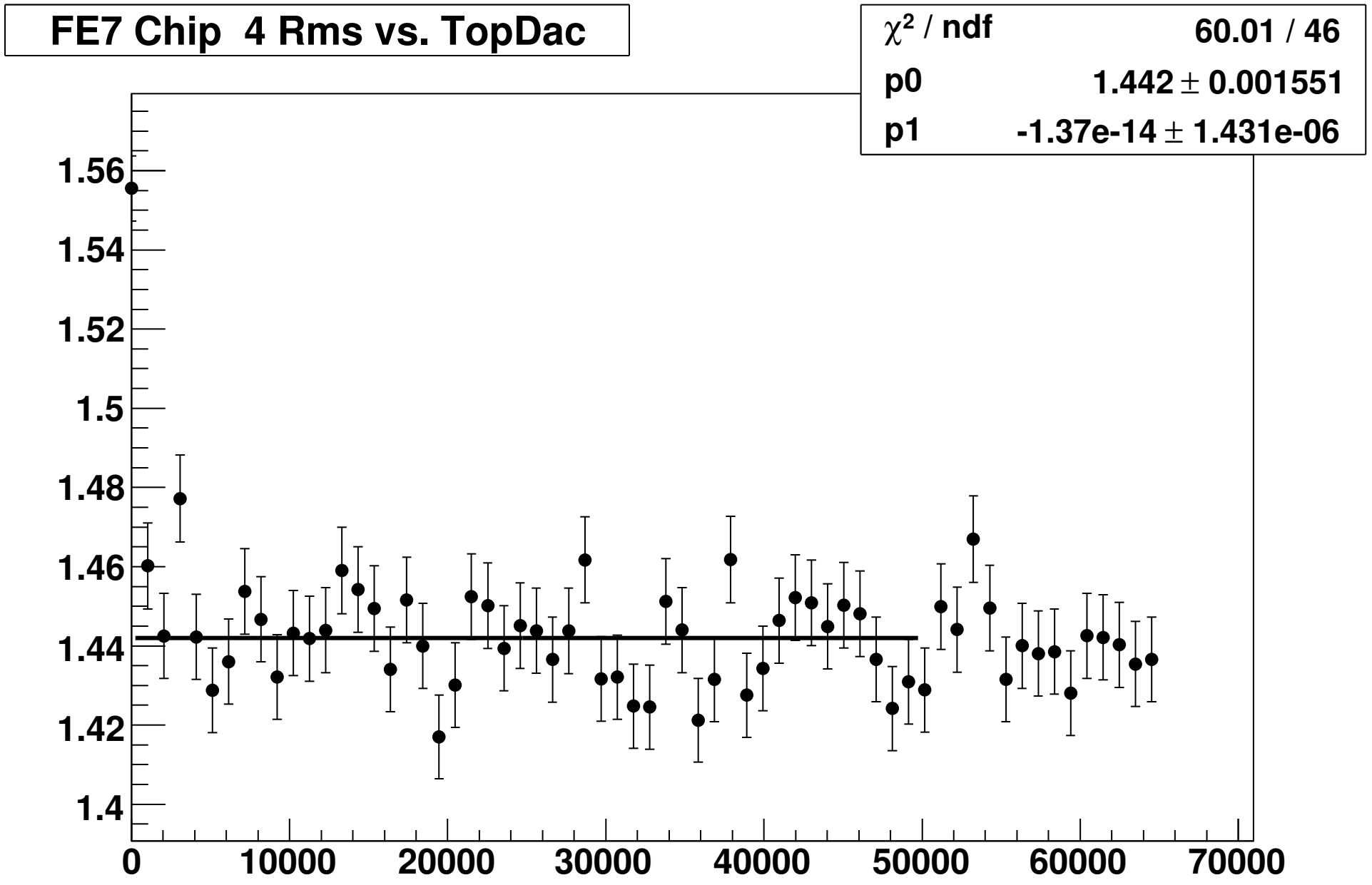
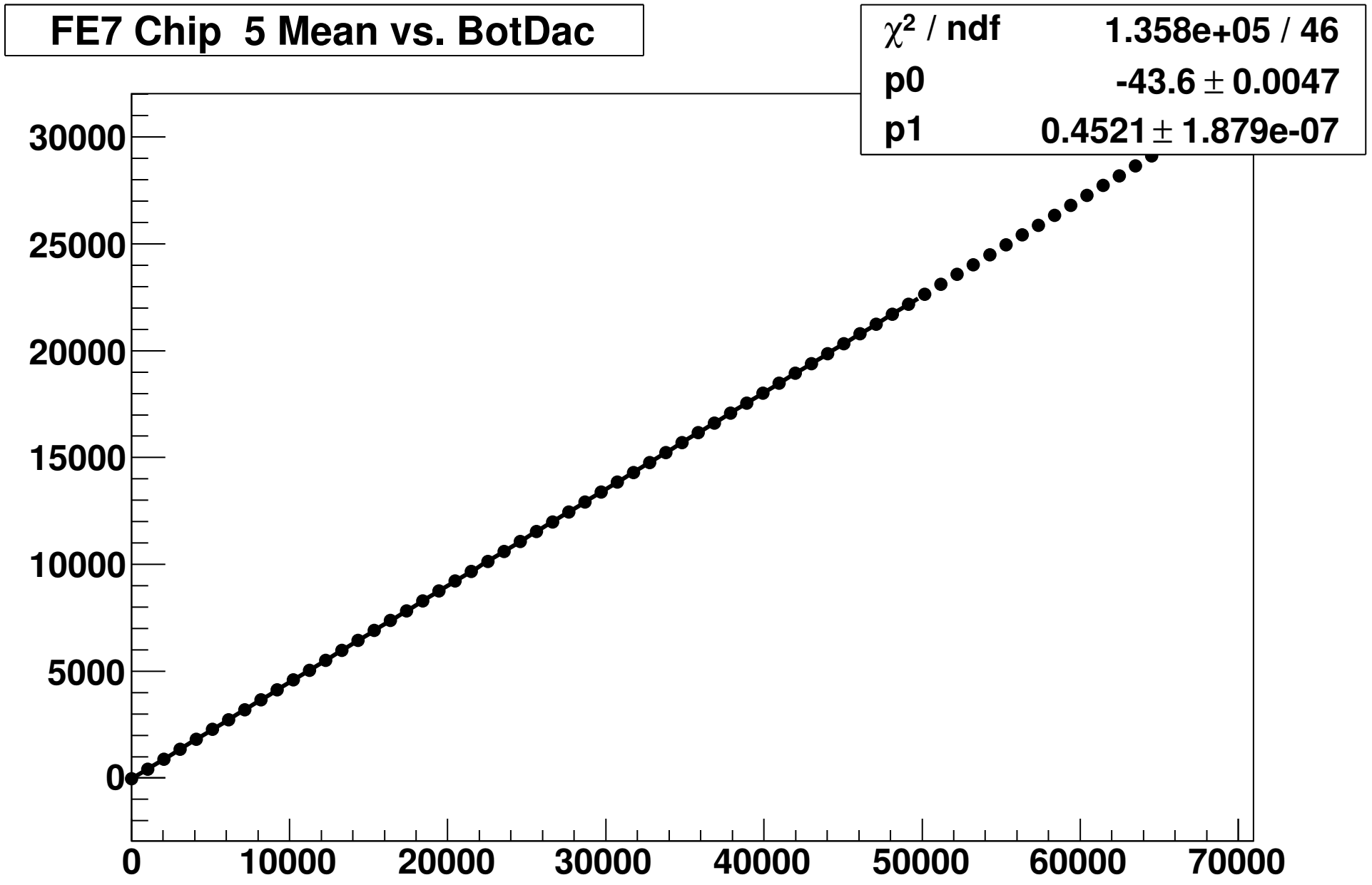
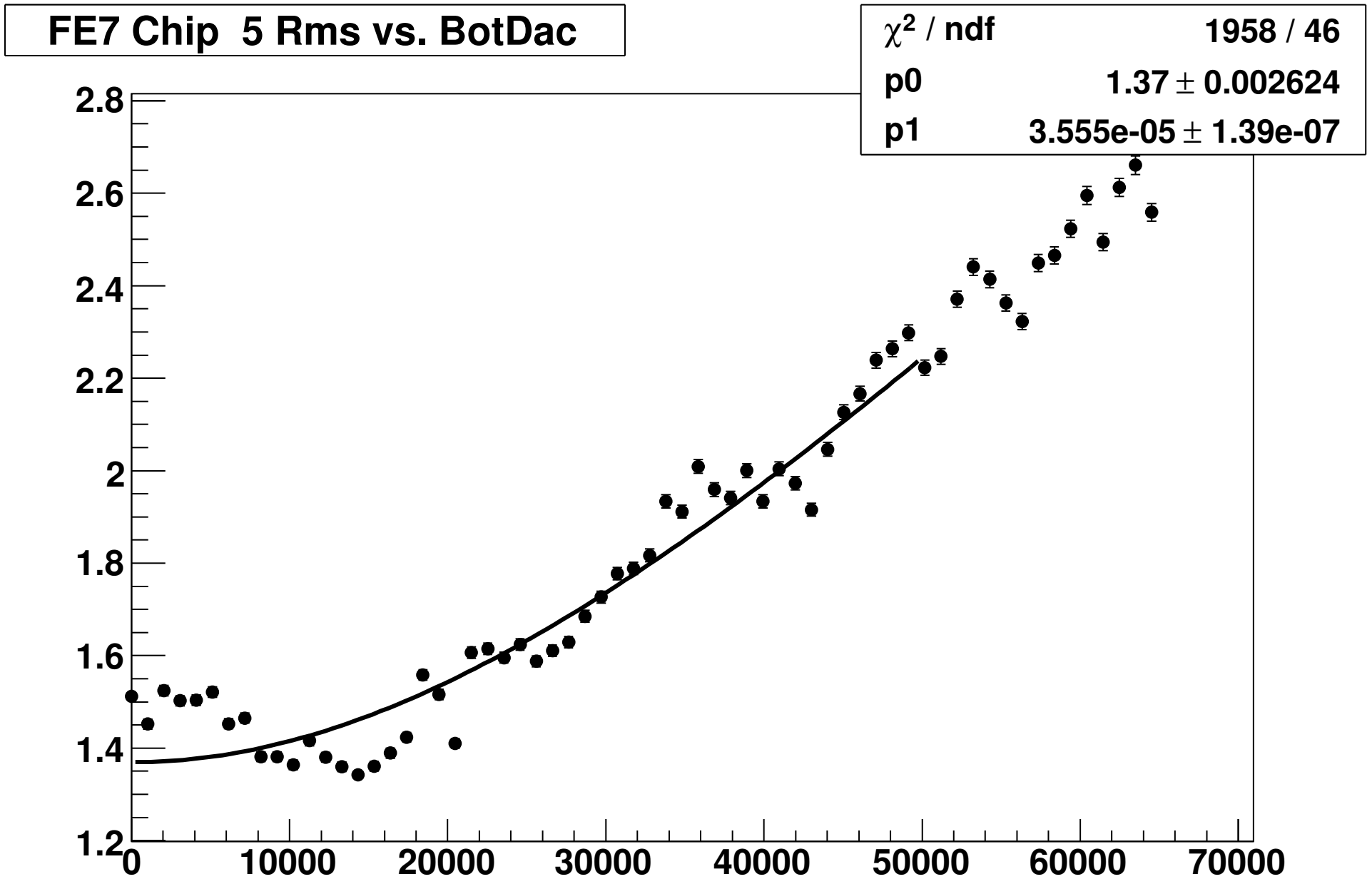
60000
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 60.01 / 46
p0 1.442 ± 0.001551
p1 -1.37e-14 ± 1.431e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.358e+05 / 46
p0 -43.6 ± 0.0047
p1 0.4521 ± 1.879e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1958 / 46
p0 1.37 ± 0.002624
p1 3.555e-05 ± 1.39e-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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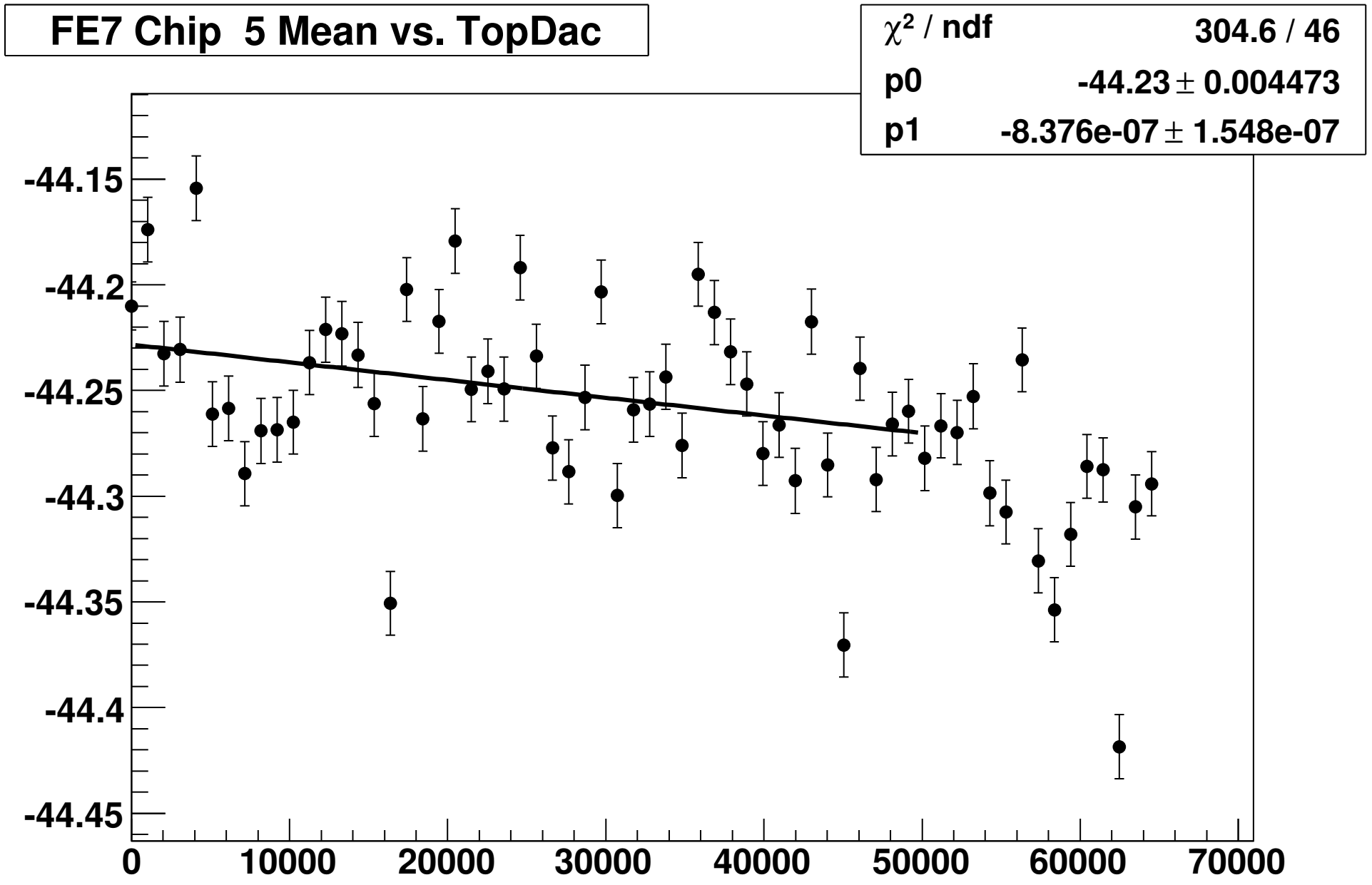
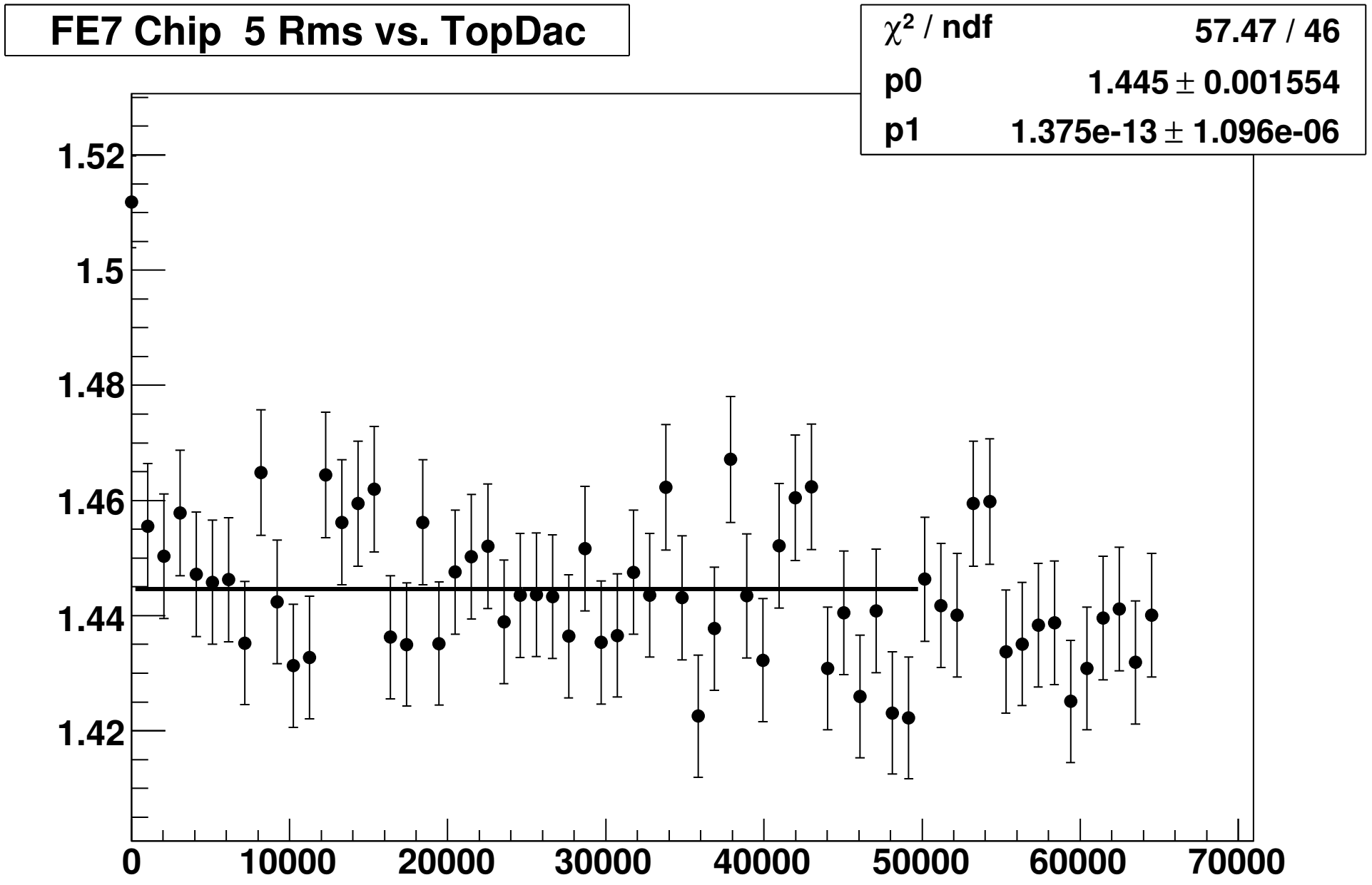
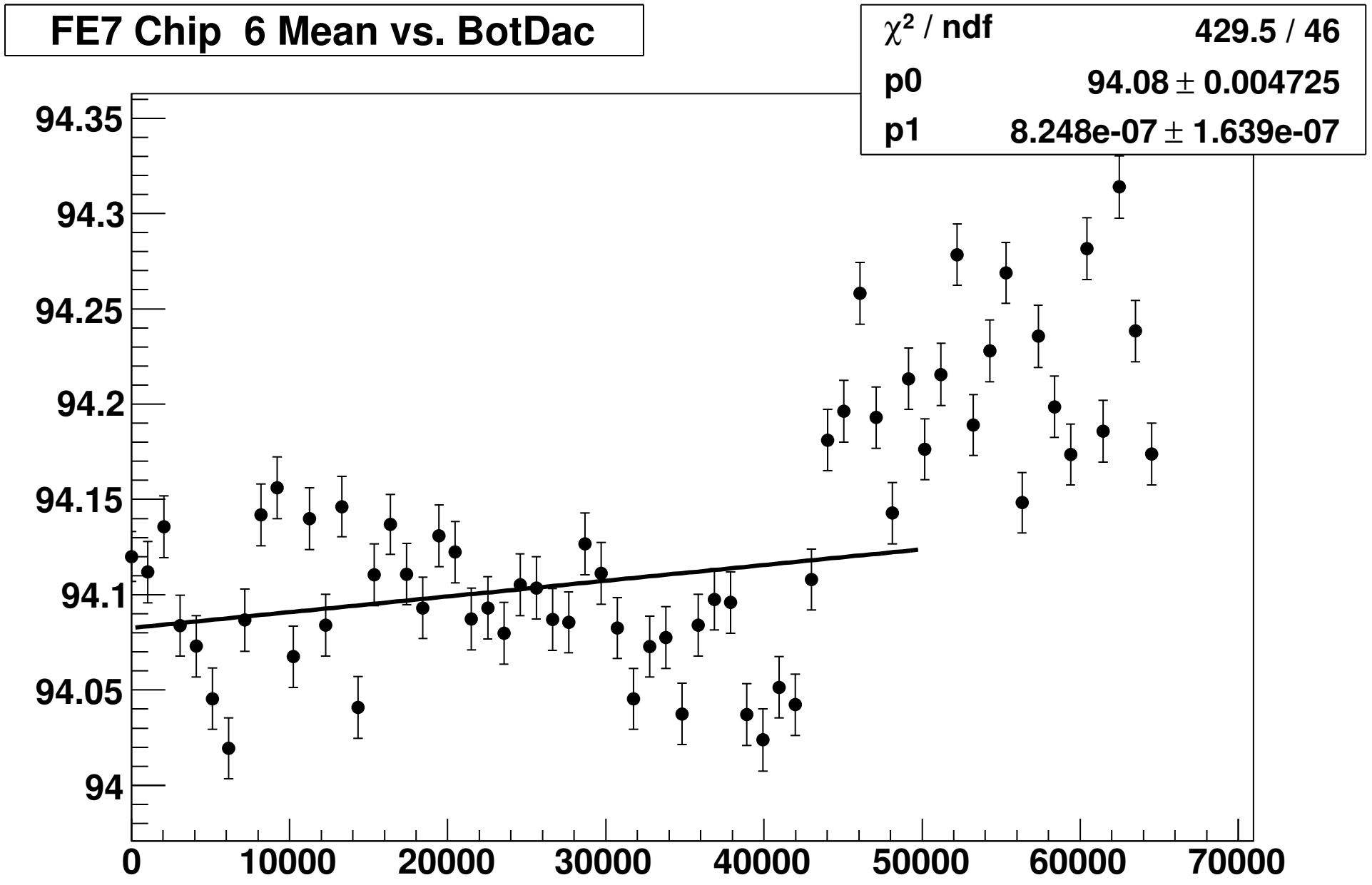
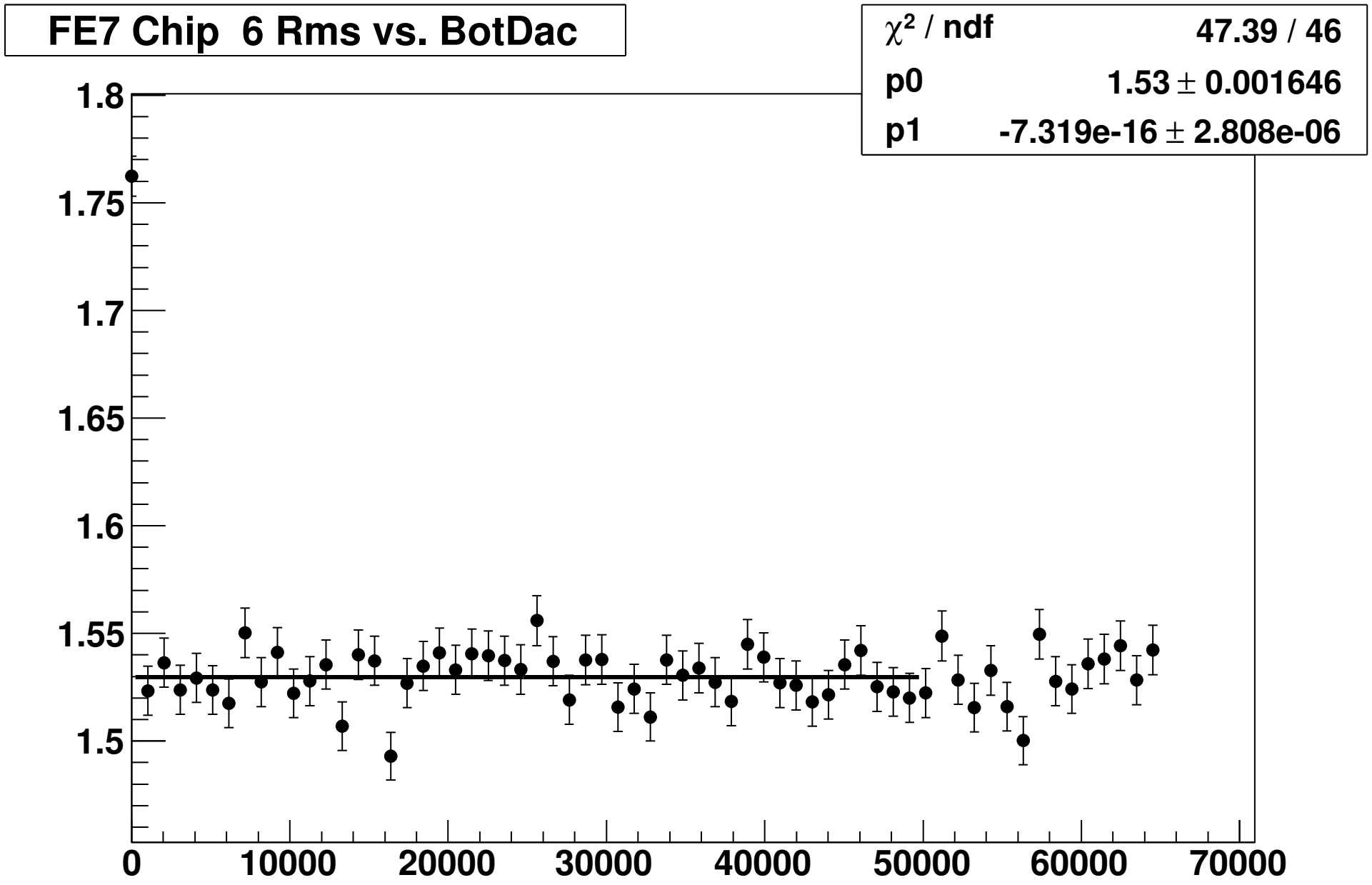
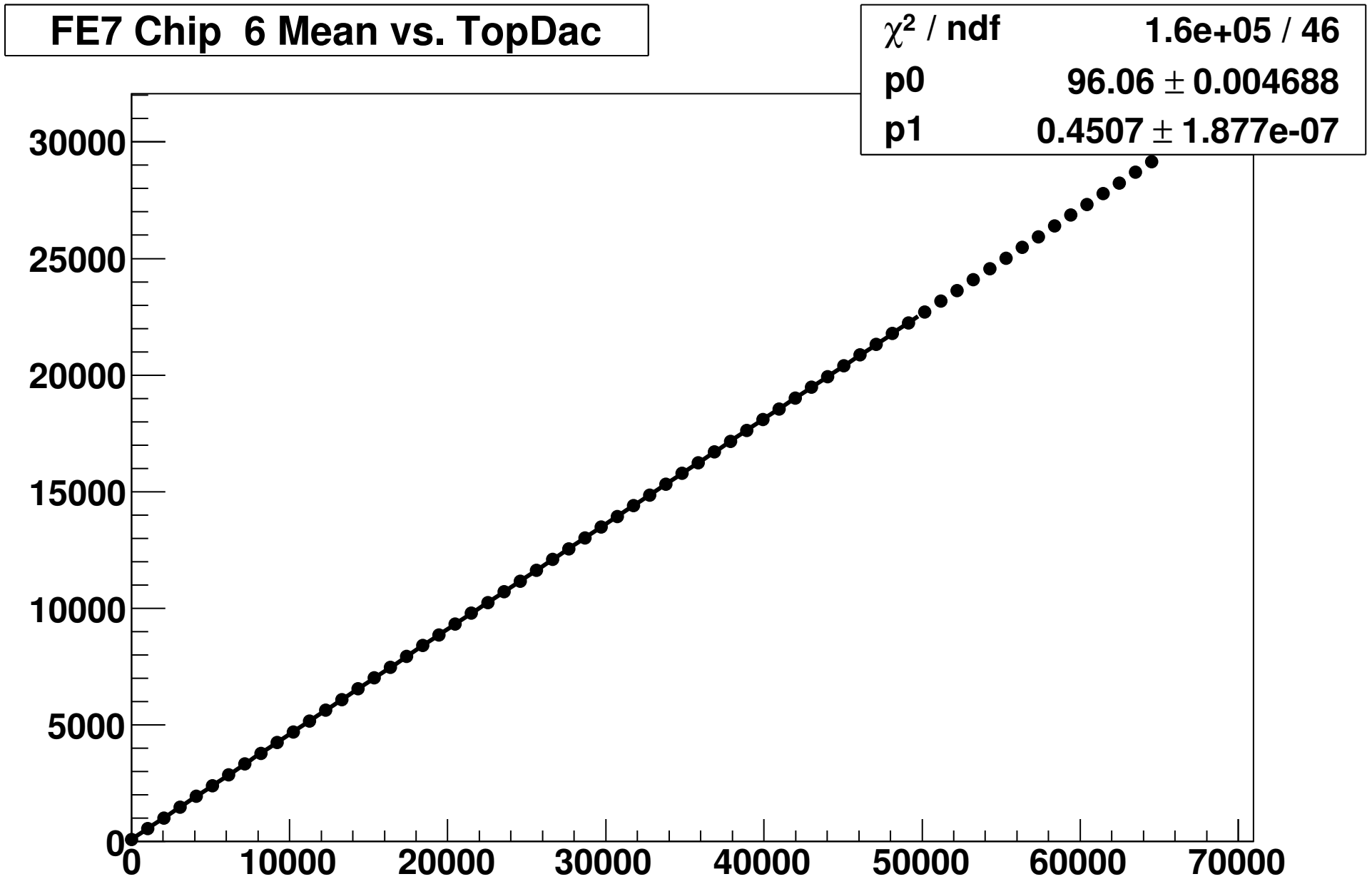
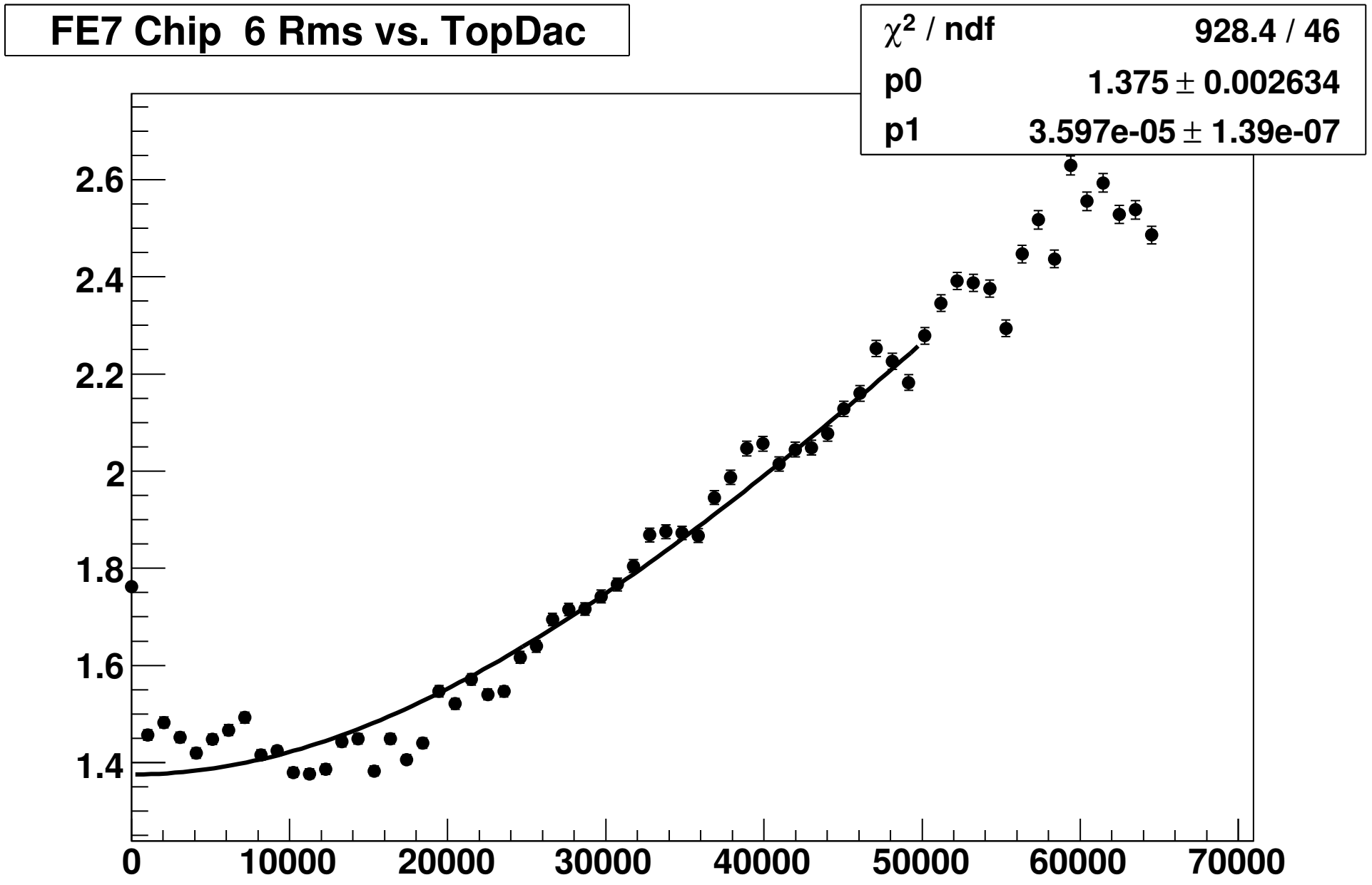

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 304.6 / 46
p0 -44.23 ± 0.004473
p1 -8.376e-07 ± 1.548e-07
-44.15
-44.2
-44.25
-44.3
-44.35
-44.4
-44.45
0
10000
20000
30000
40000
50000
60000
70000

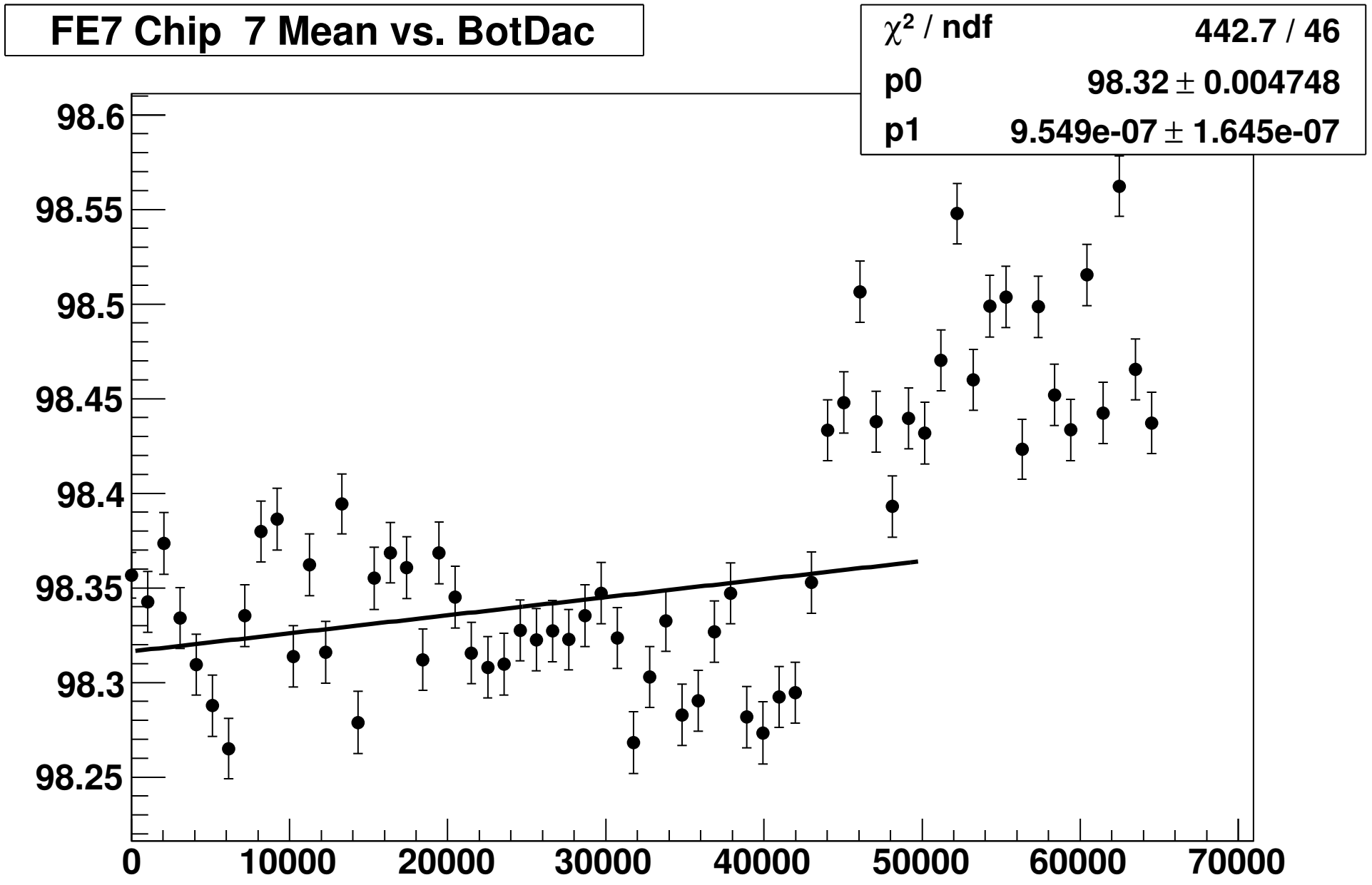

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 57.47 / 46
p0 1.445 ± 0.001554
p1 1.375e-13 ± 1.096e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

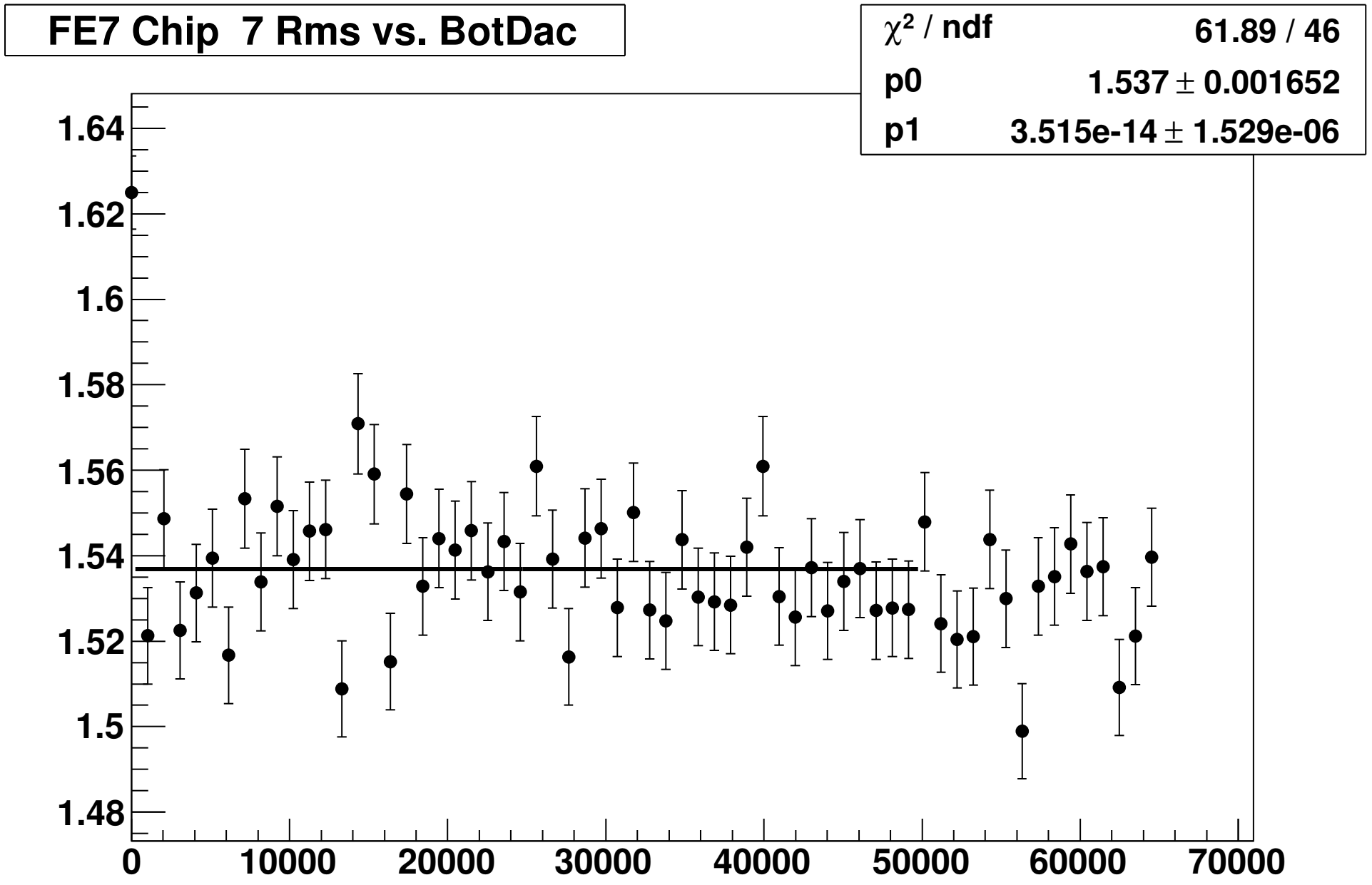

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 429.5 / 46
p0 94.08 ± 0.004725
p1 8.248e-07 ± 1.639e-07
94.35
94.3
94.25
94.2
94.15
94.1
94.05
94
0
10000
20000
30000
40000
50000
60000
70000

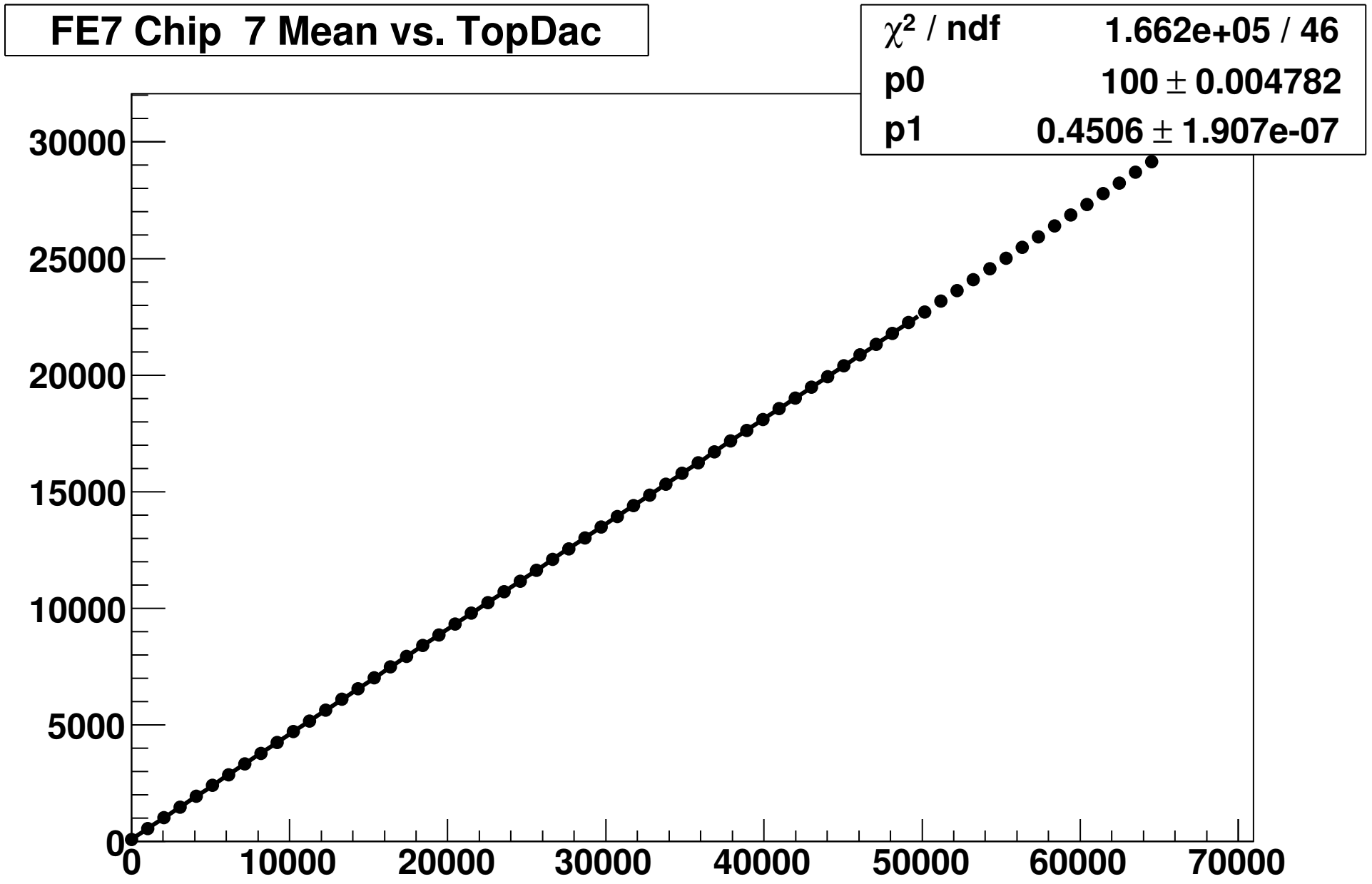

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 47.39 / 46
p0 1.53 ± 0.001646
p1 -7.319e-16 ± 2.808e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

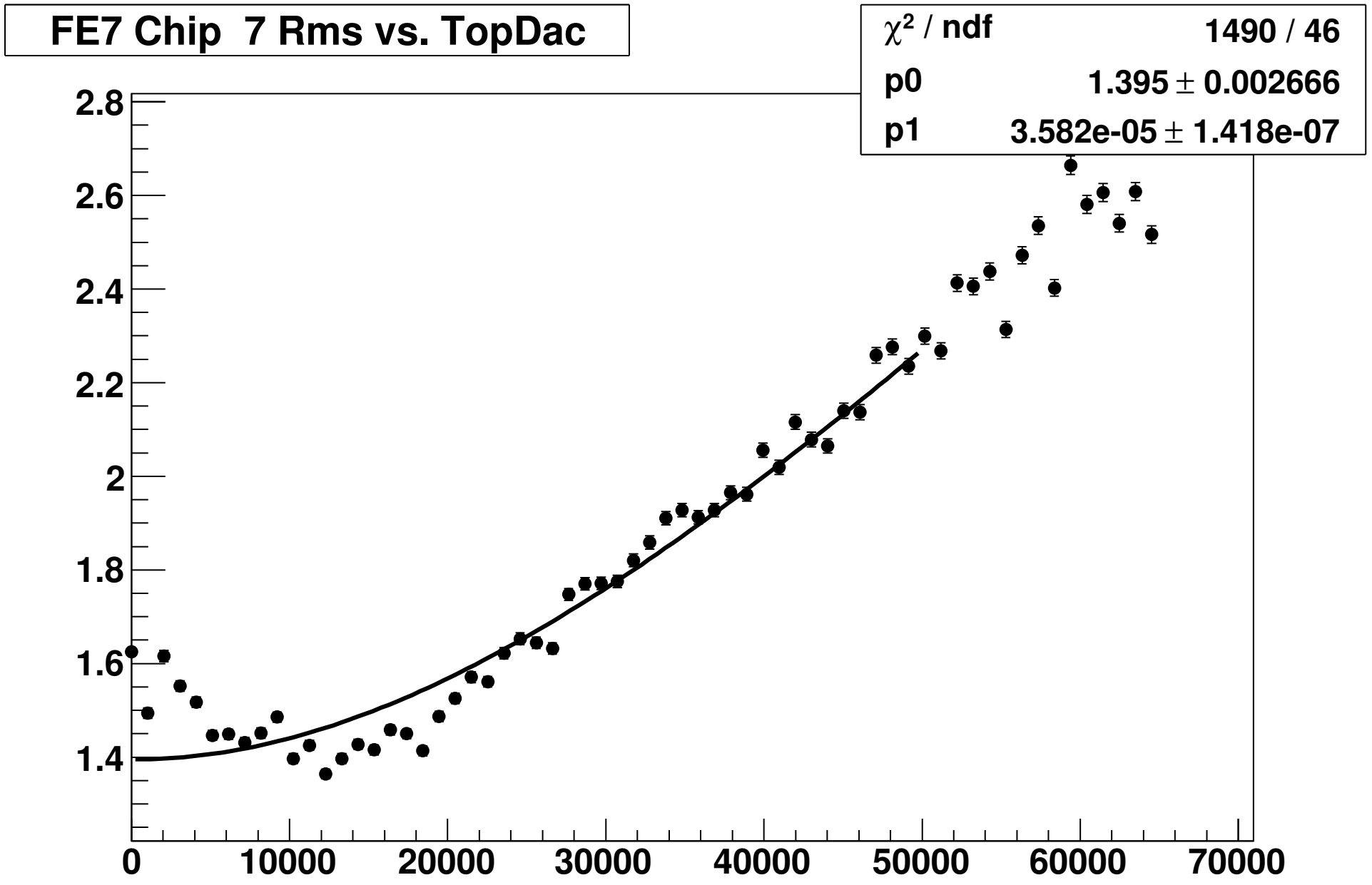

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.6e+05 / 46
p0 96.06 ± 0.004688
p1 0.4507 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

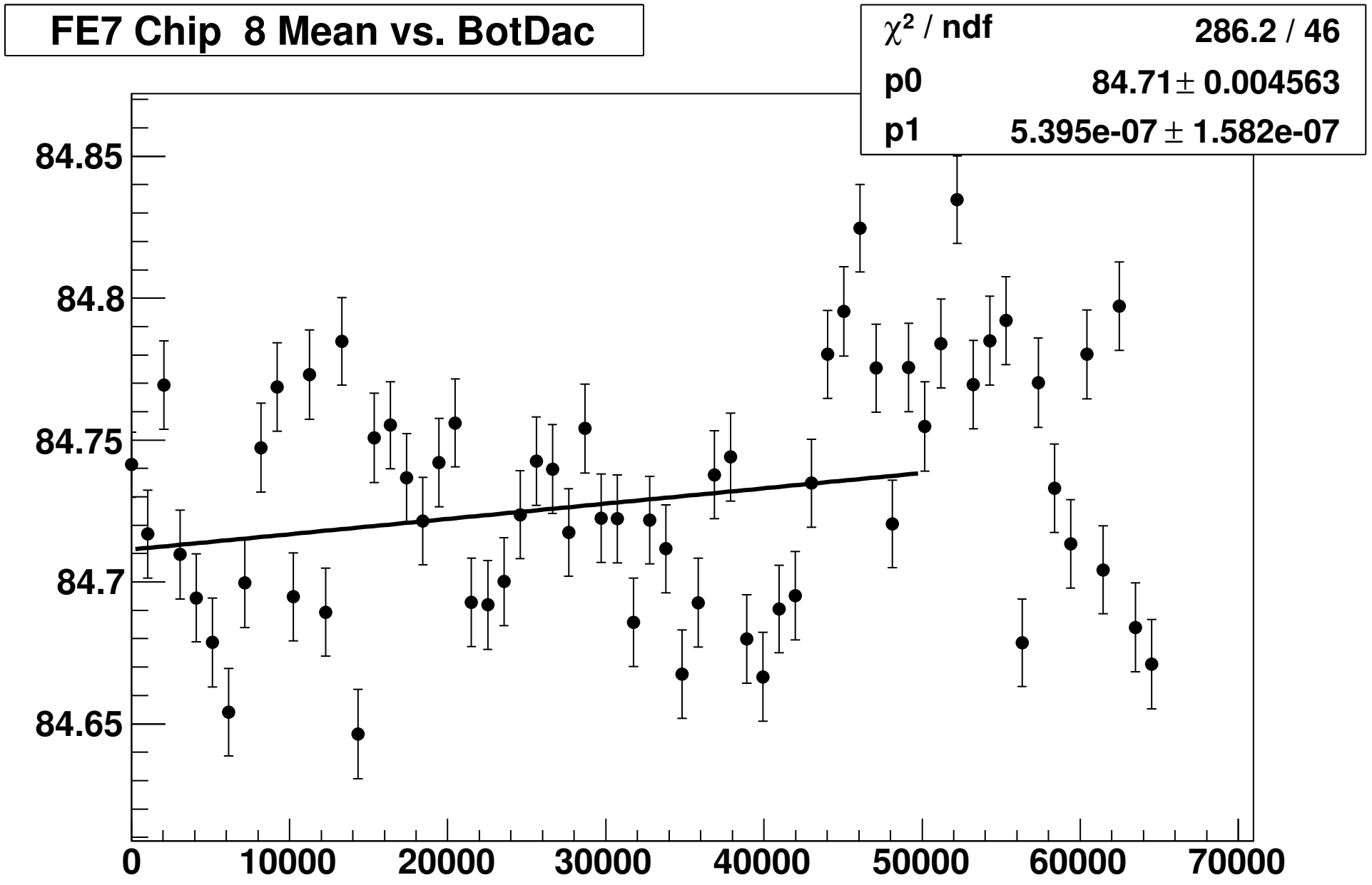

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 928.4 / 46
p0 1.375 ± 0.002634
p1 3.597e-05 ± 1.39e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

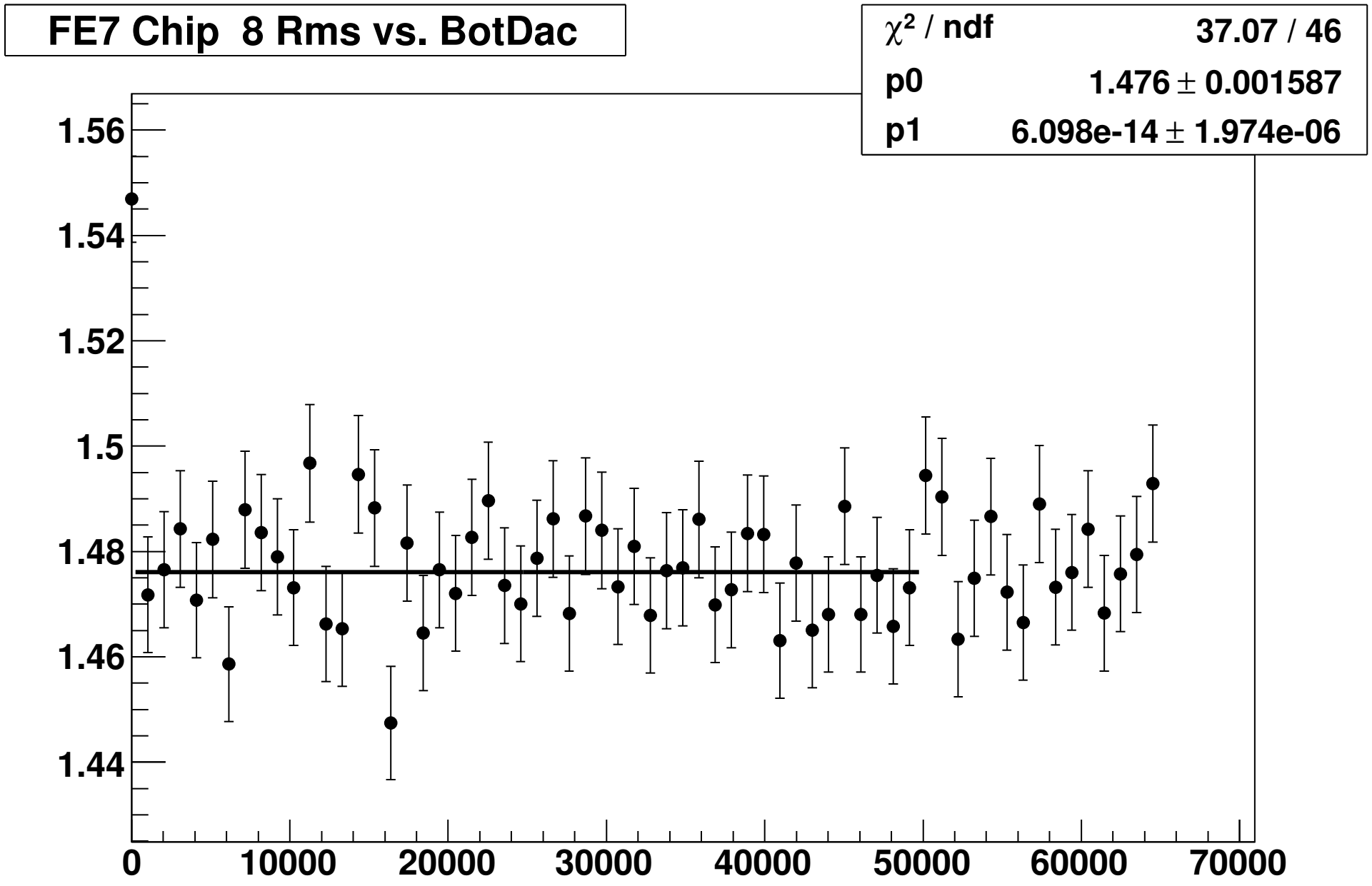

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 442.7 / 46
p0 98.32 ± 0.004748
p1 9.549e-07 ± 1.645e-07
98.6
98.55
98.5
98.45
98.4
98.35
98.3
98.25
0
10000
20000
30000
40000
50000
60000
70000

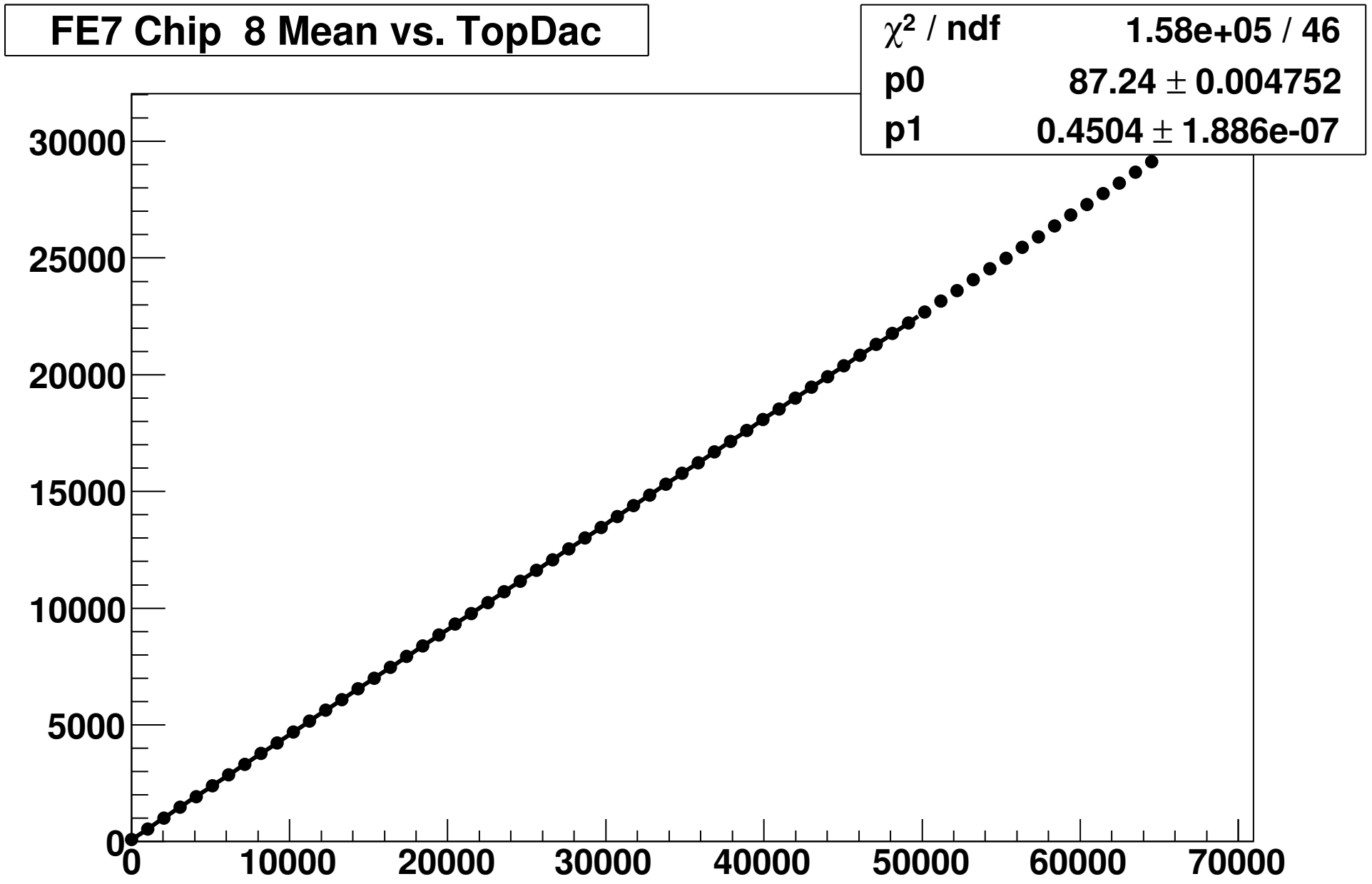

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 61.89 / 46
p0 1.537 ± 0.001652
p1 3.515e-14 ± 1.529e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

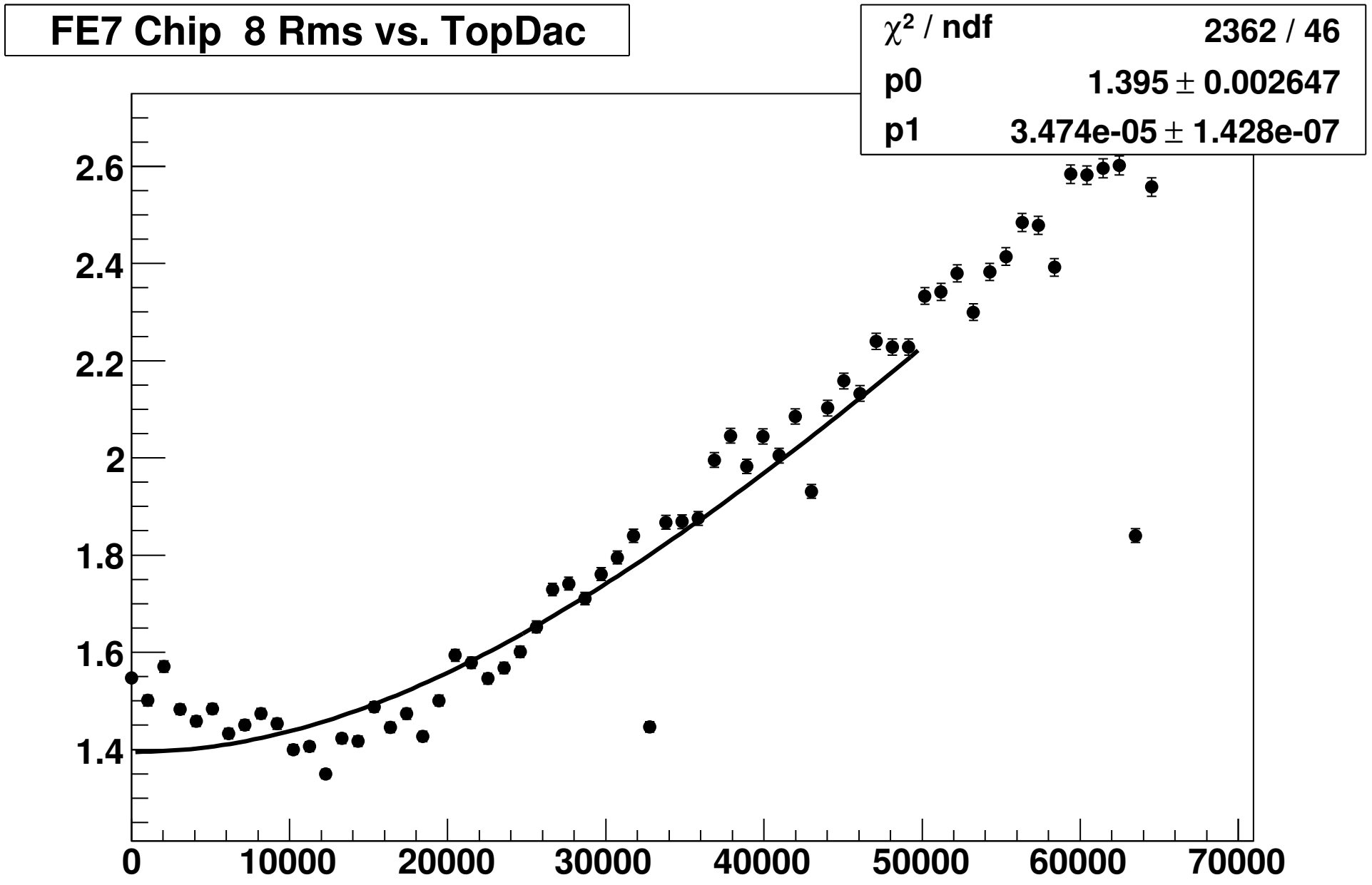

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.662e+05 / 46
p0 100 ± 0.004782
p1 0.4506 ± 1.907e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

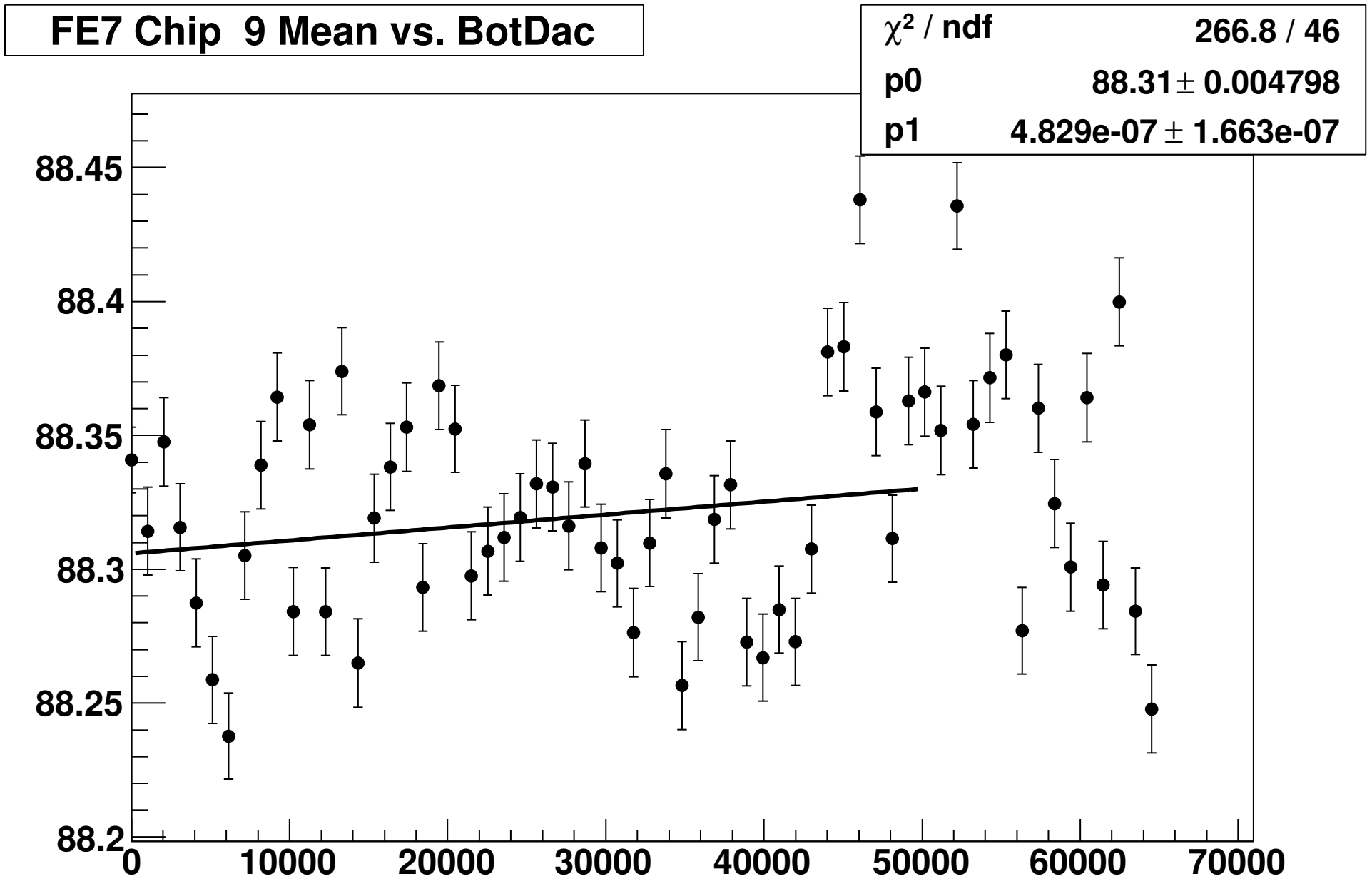

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1490 / 46
p0 1.395 ± 0.002666
p1 3.582e-05 ± 1.418e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

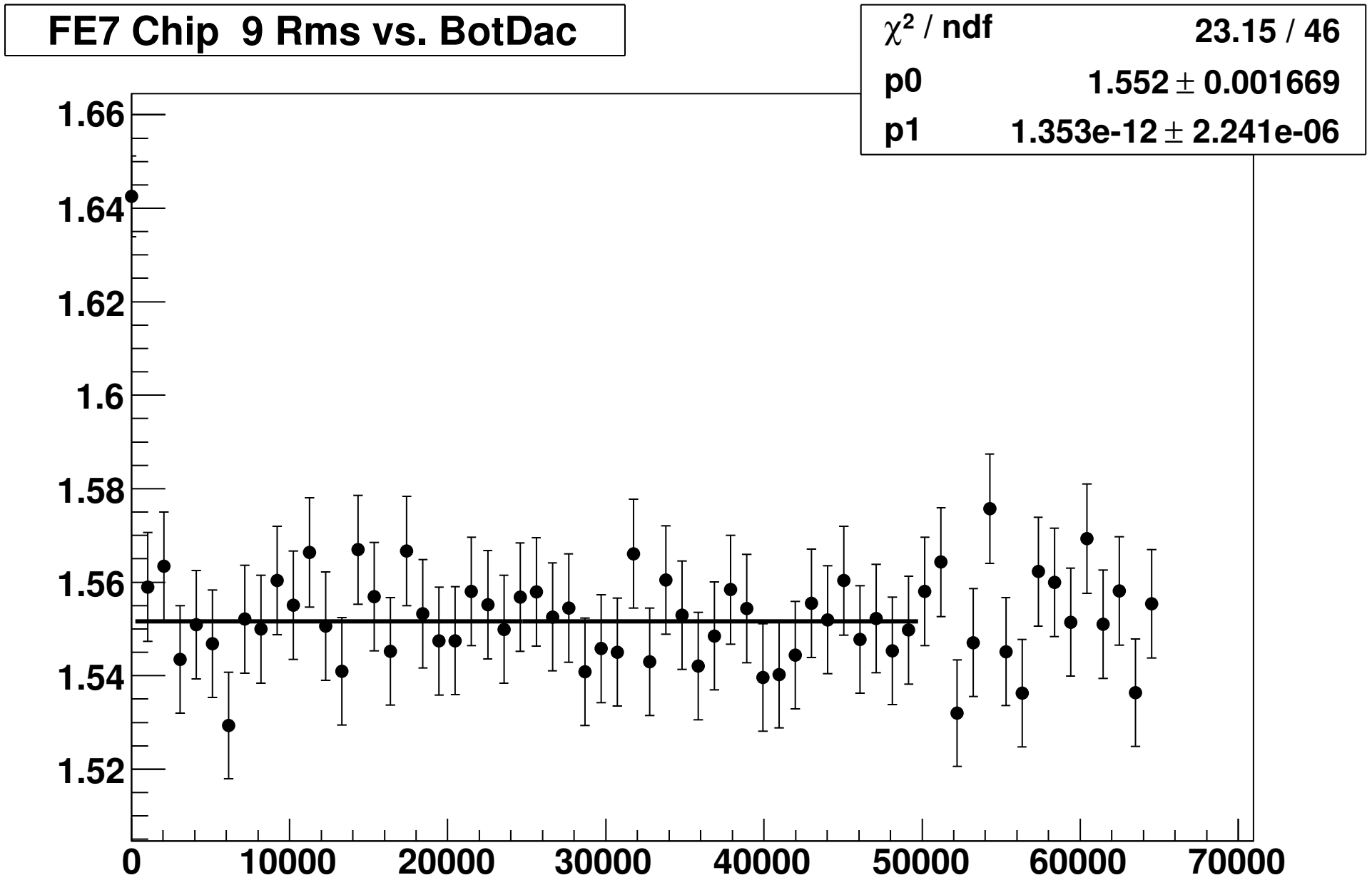

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 286.2 / 46
p0 84.71 ± 0.004563
p1 5.395e-07 ± 1.582e-07
84.85
84.8
84.75
84.7
84.65
0
10000
20000
30000
40000
50000
60000
70000

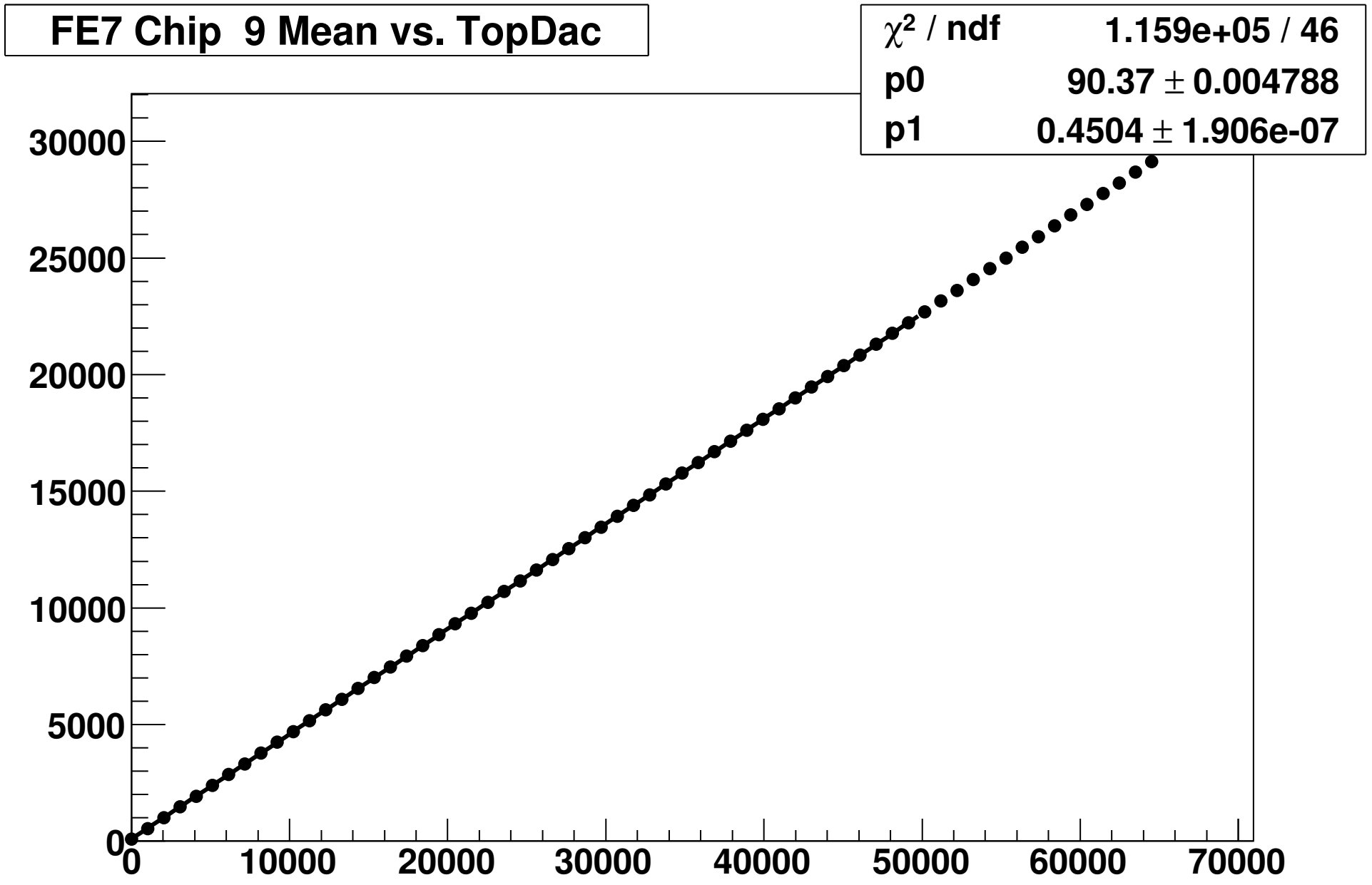

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 37.07 / 46
p0 1.476 ± 0.001587
p1 6.098e-14 ± 1.974e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

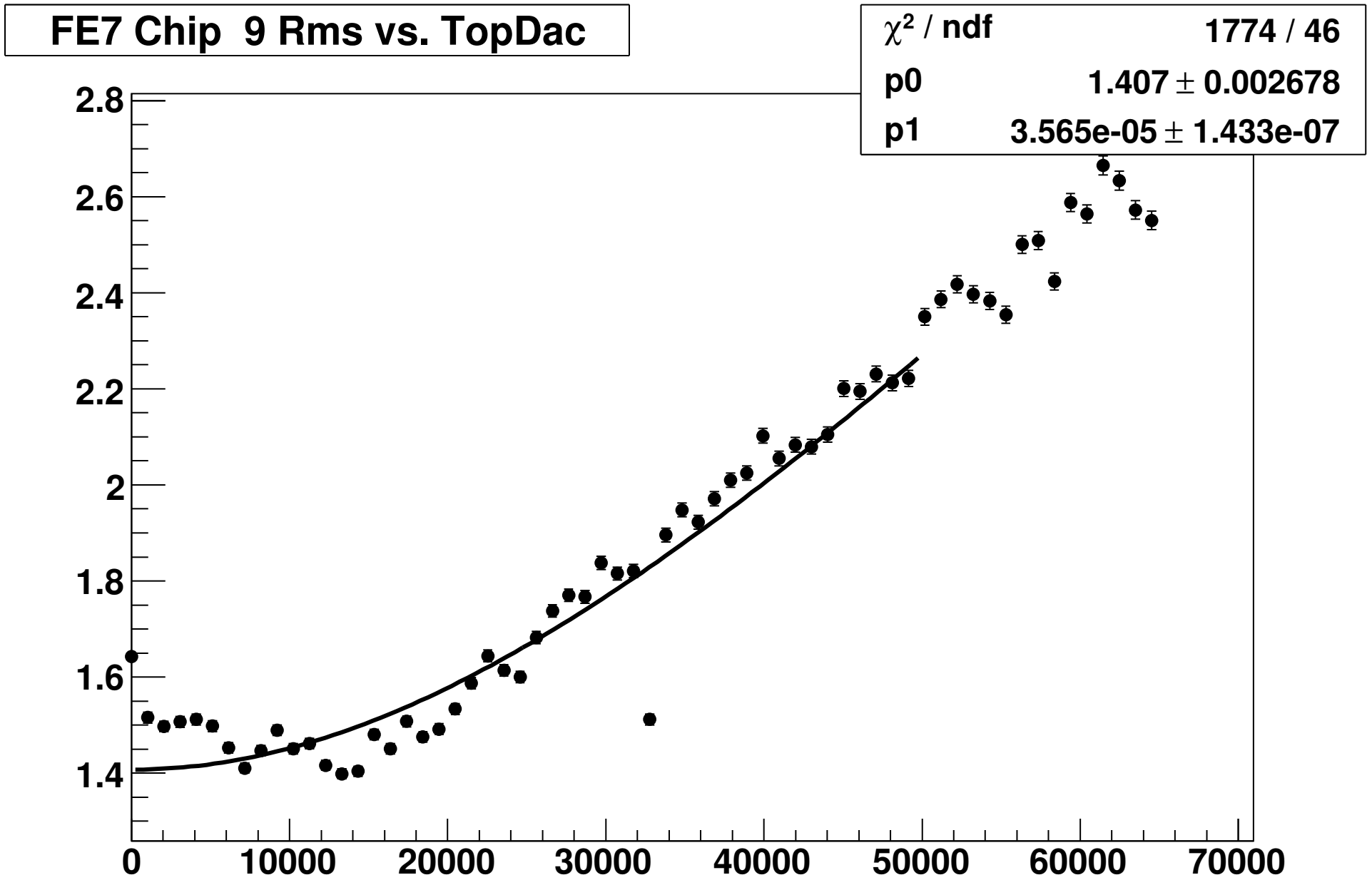

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 1.58e+05 / 46
p0 87.24 ± 0.004752
p1 0.4504 ± 1.886e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

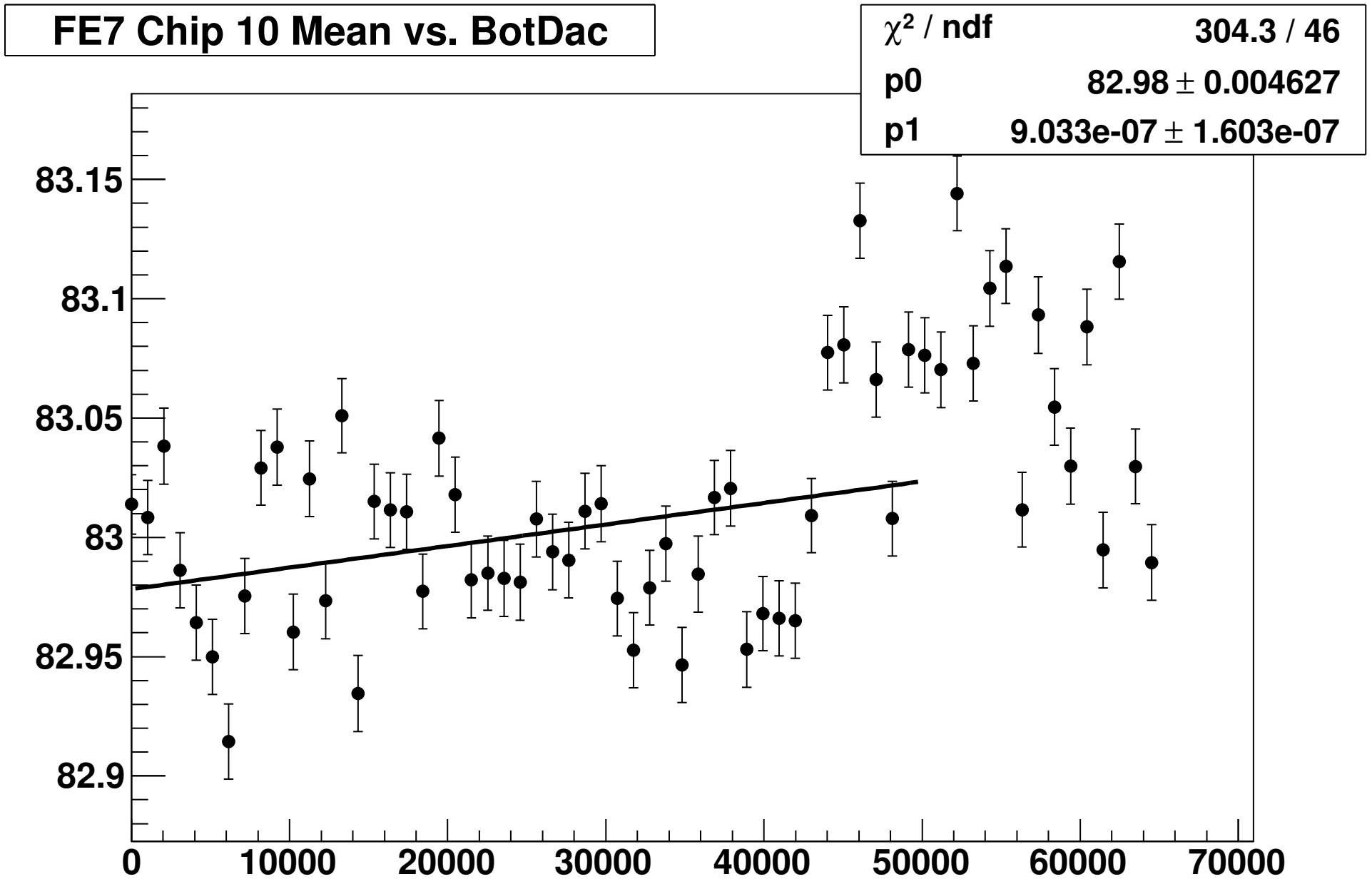

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 2362 / 46
p0 1.395 ± 0.002647
p1 3.474e-05 ± 1.428e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

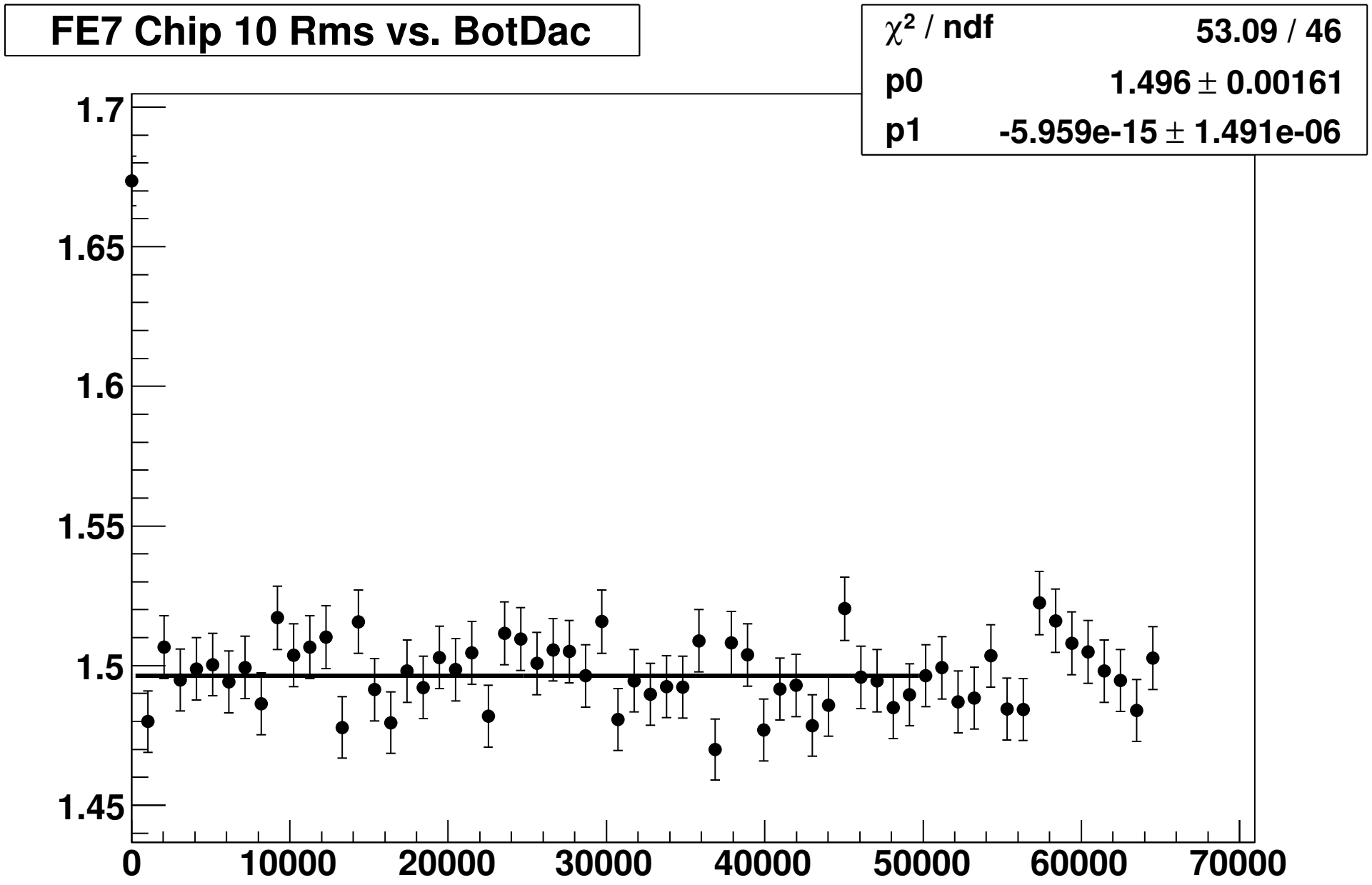

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 266.8 / 46
p0 88.31 ± 0.004798
p1 4.829e-07 ± 1.663e-07
88.45
88.4
88.35
88.3
88.25
88.2
0
10000
20000
30000
40000
50000
60000
70000

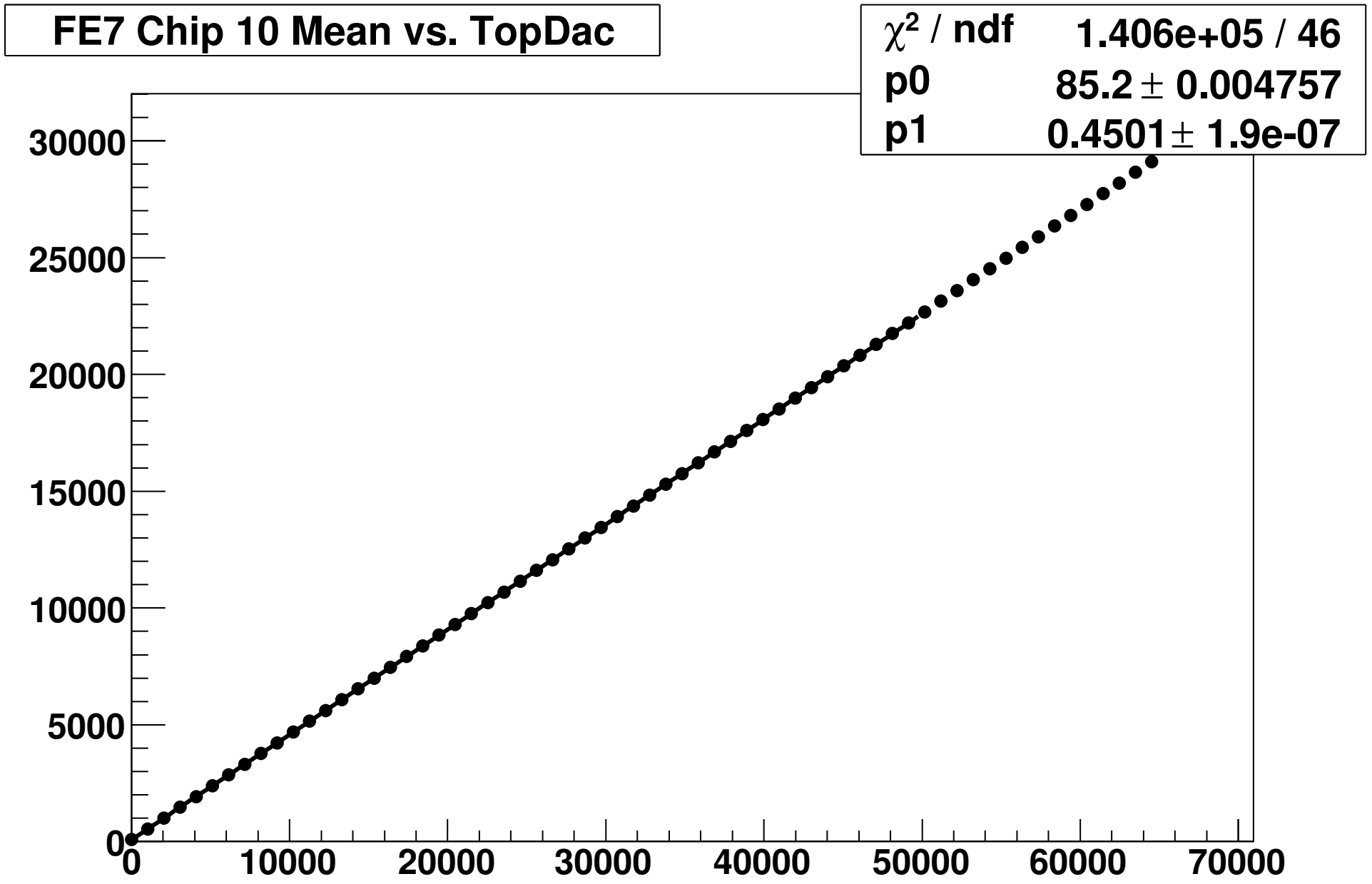

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 23.15 / 46
p0 1.552 ± 0.001669
p1 1.353e-12 ± 2.241e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

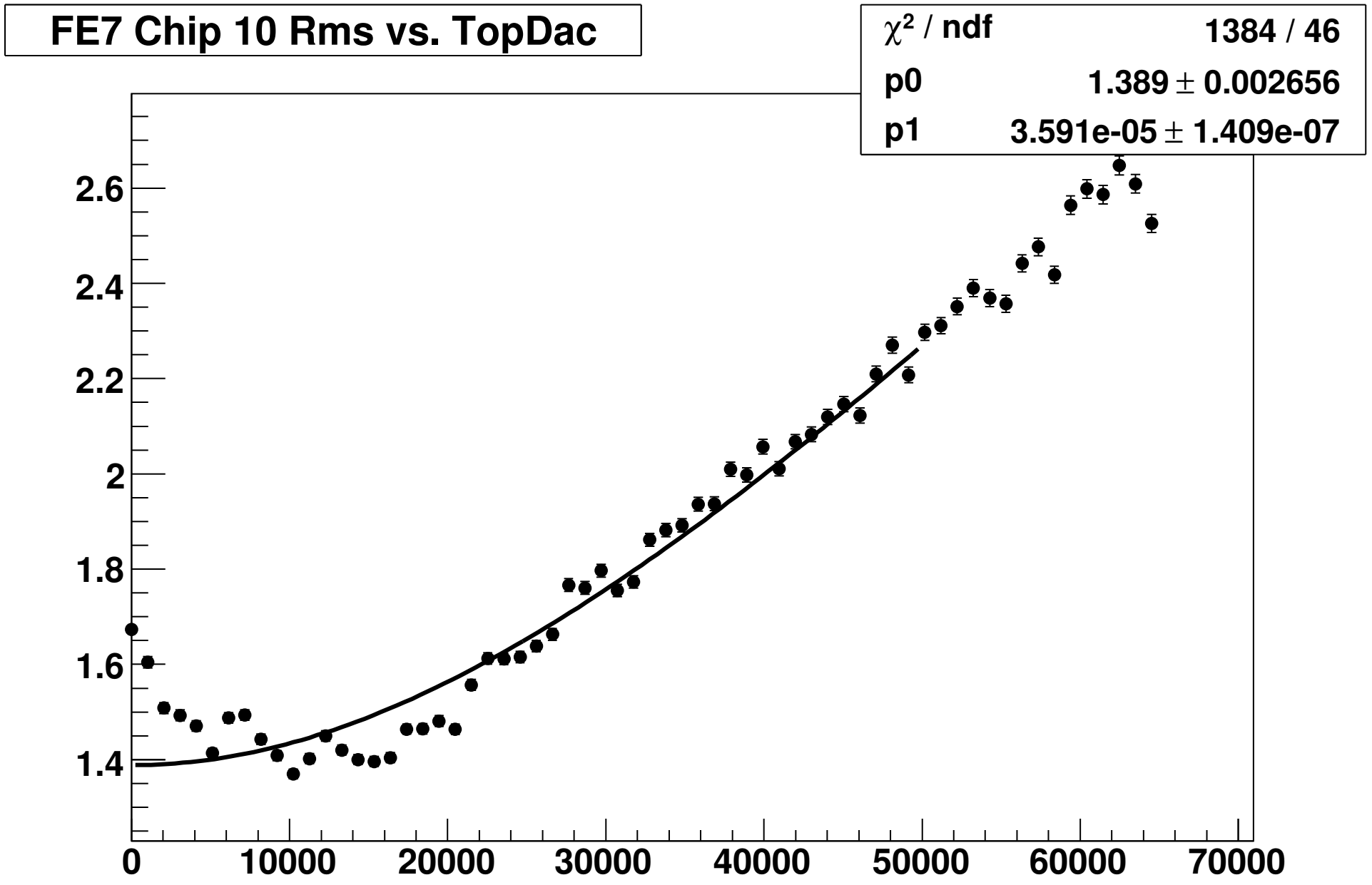

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.159e+05 / 46
p0 90.37 ± 0.004788
p1 0.4504 ± 1.906e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

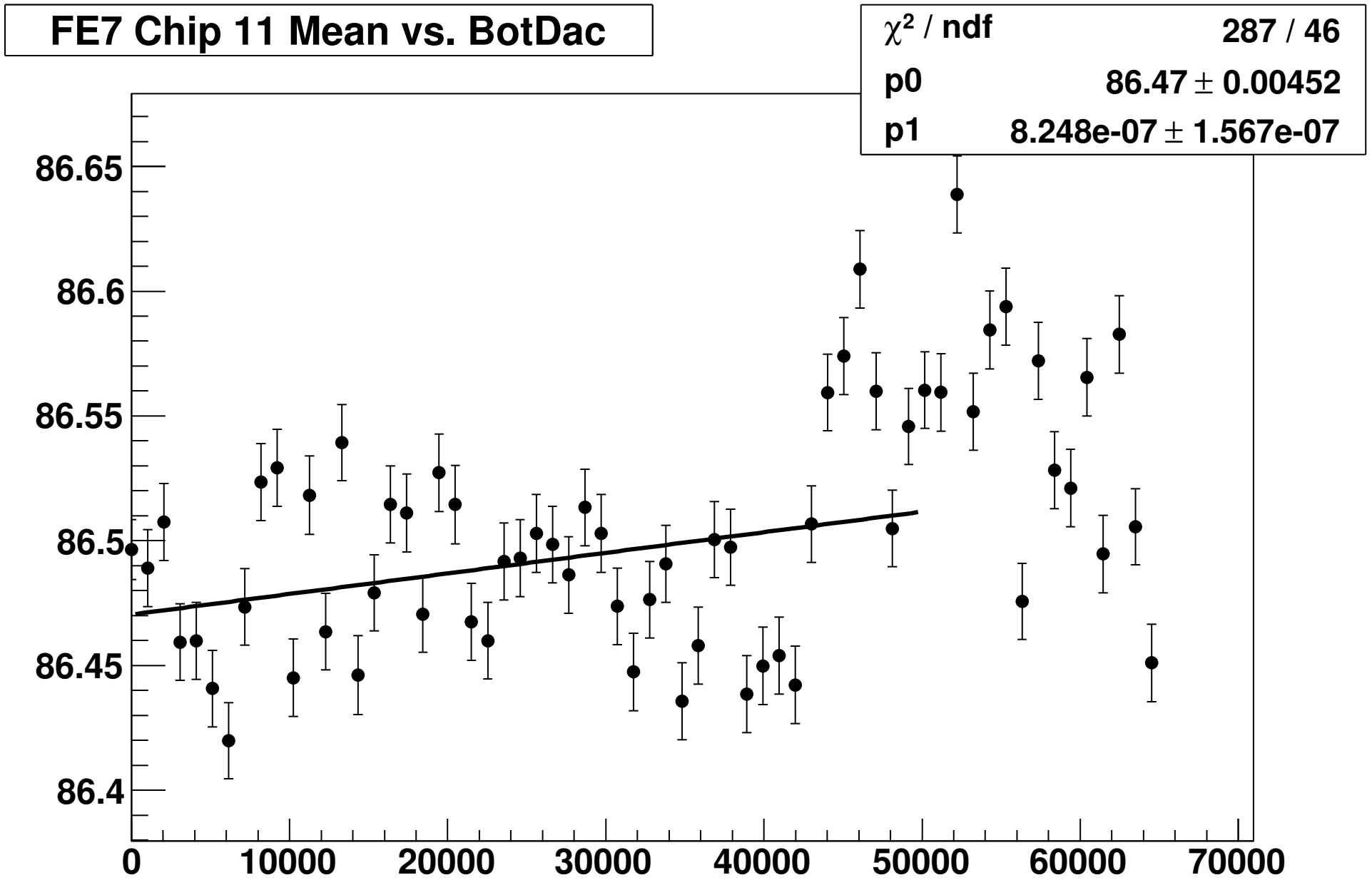

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1774 / 46
p0 1.407 ± 0.002678
p1 3.565e-05 ± 1.433e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

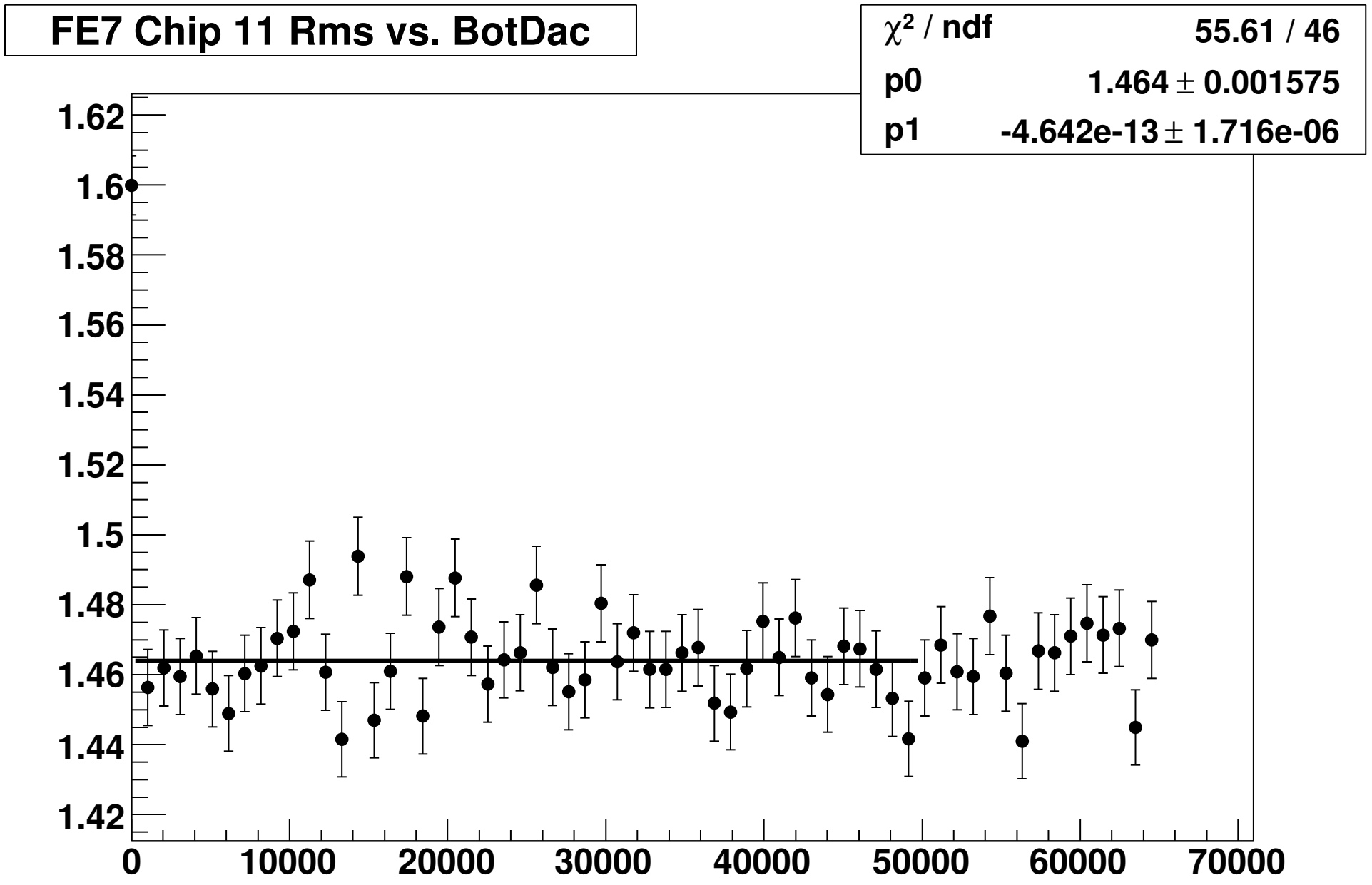

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 304.3 / 46
p0 82.98 ± 0.004627
p1 9.033e-07 ± 1.603e-07
83.15
83.1
83.05
83
82.95
82.9
0
10000
20000
30000
40000
50000
60000
70000

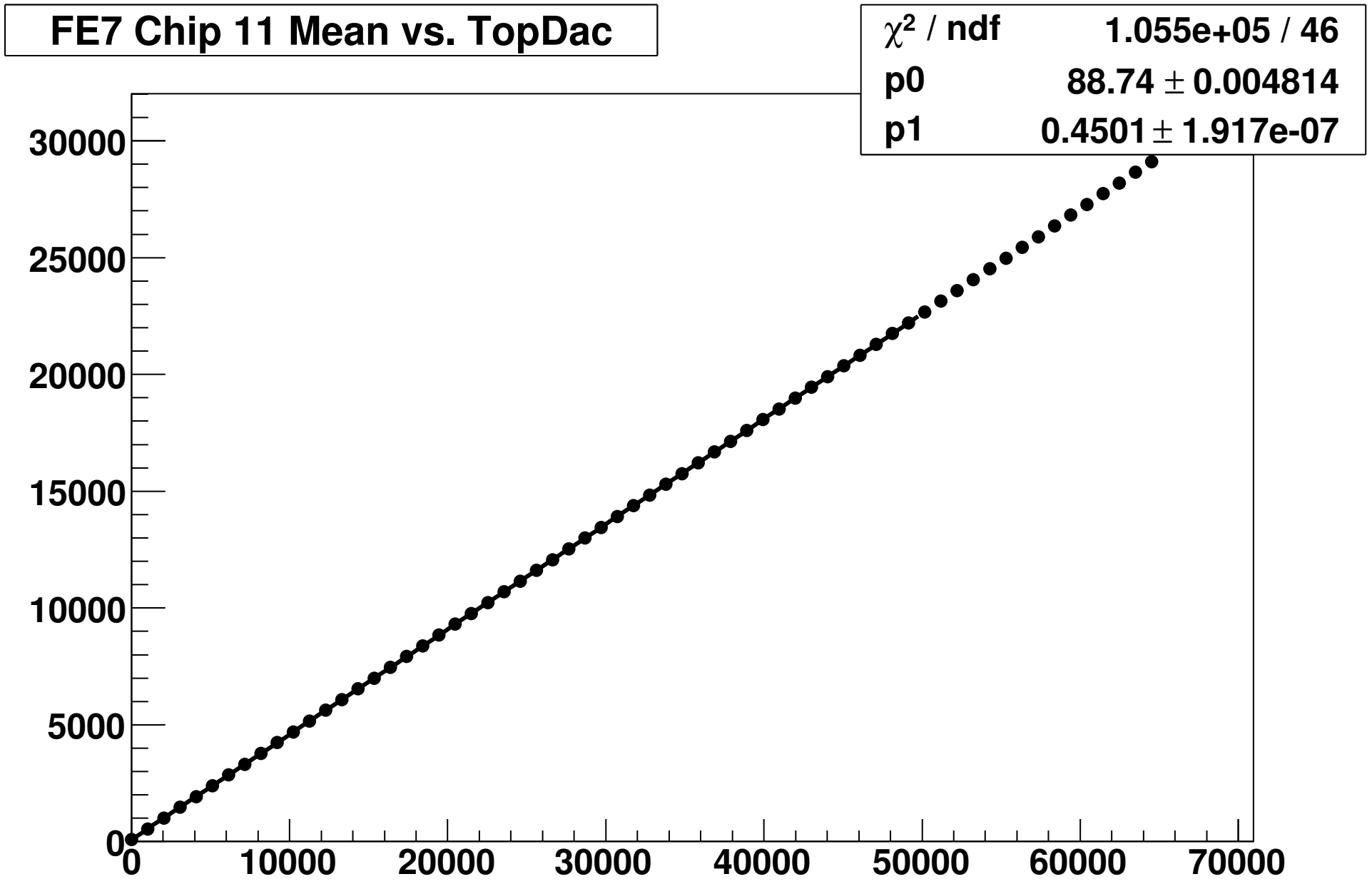

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 53.09 / 46
p0 1.496 ± 0.00161
p1 -5.959e-15 ± 1.491e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

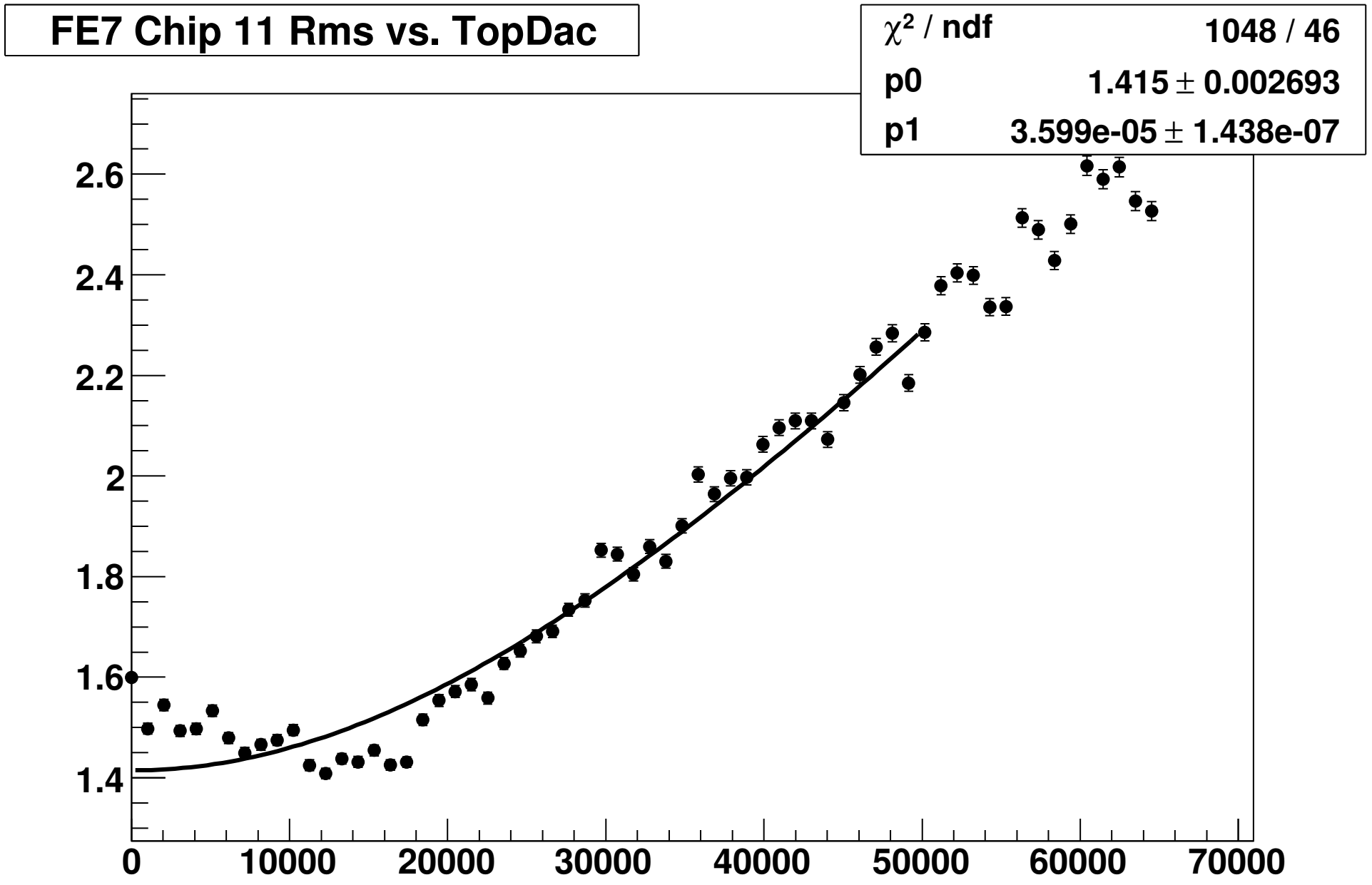

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.406e+05 / 46
p0 85.2 ± 0.004757
p1 0.4501 ± 1.9e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

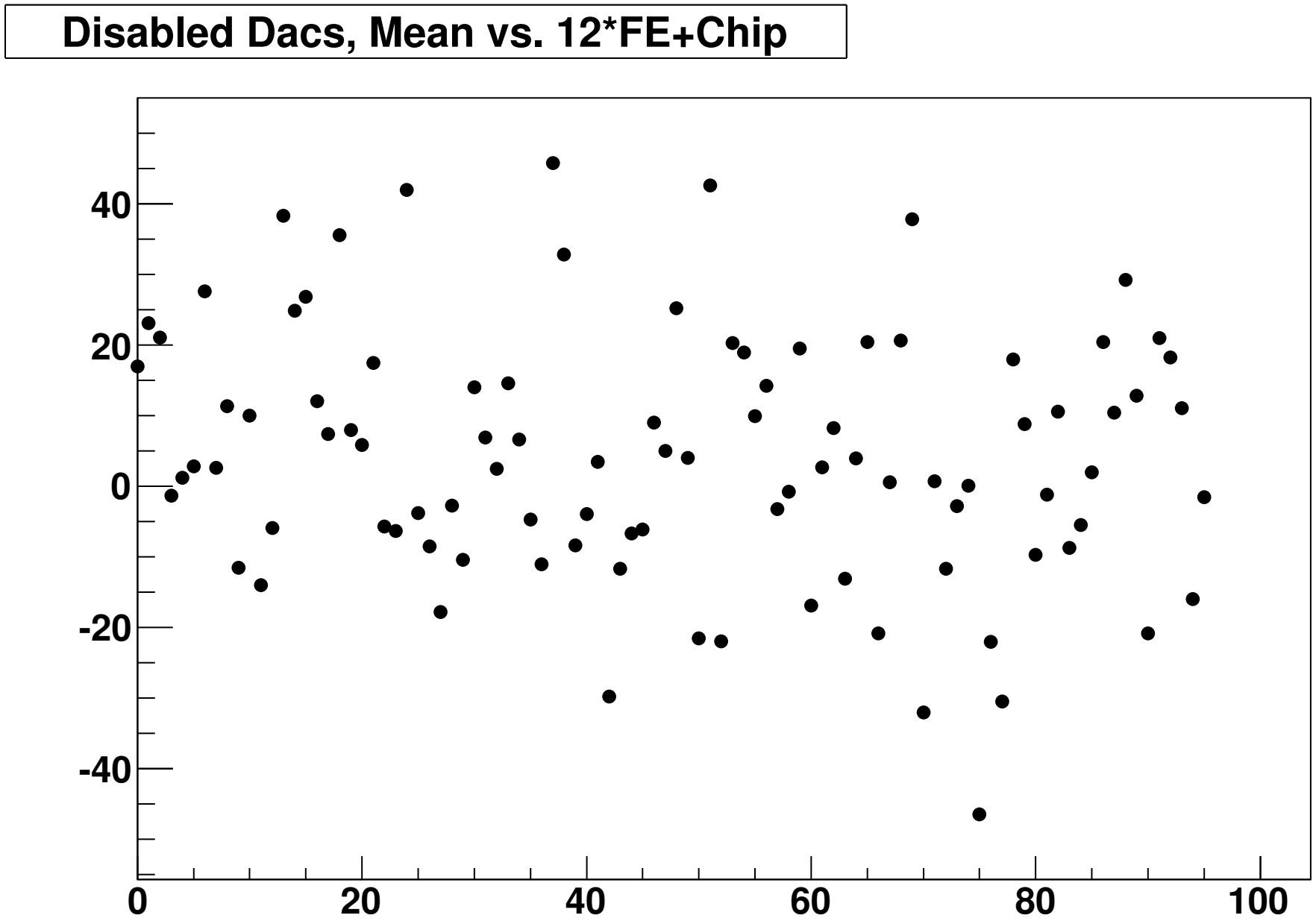

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 1384 / 46
p0 1.389 ± 0.002656
p1 3.591e-05 ± 1.409e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

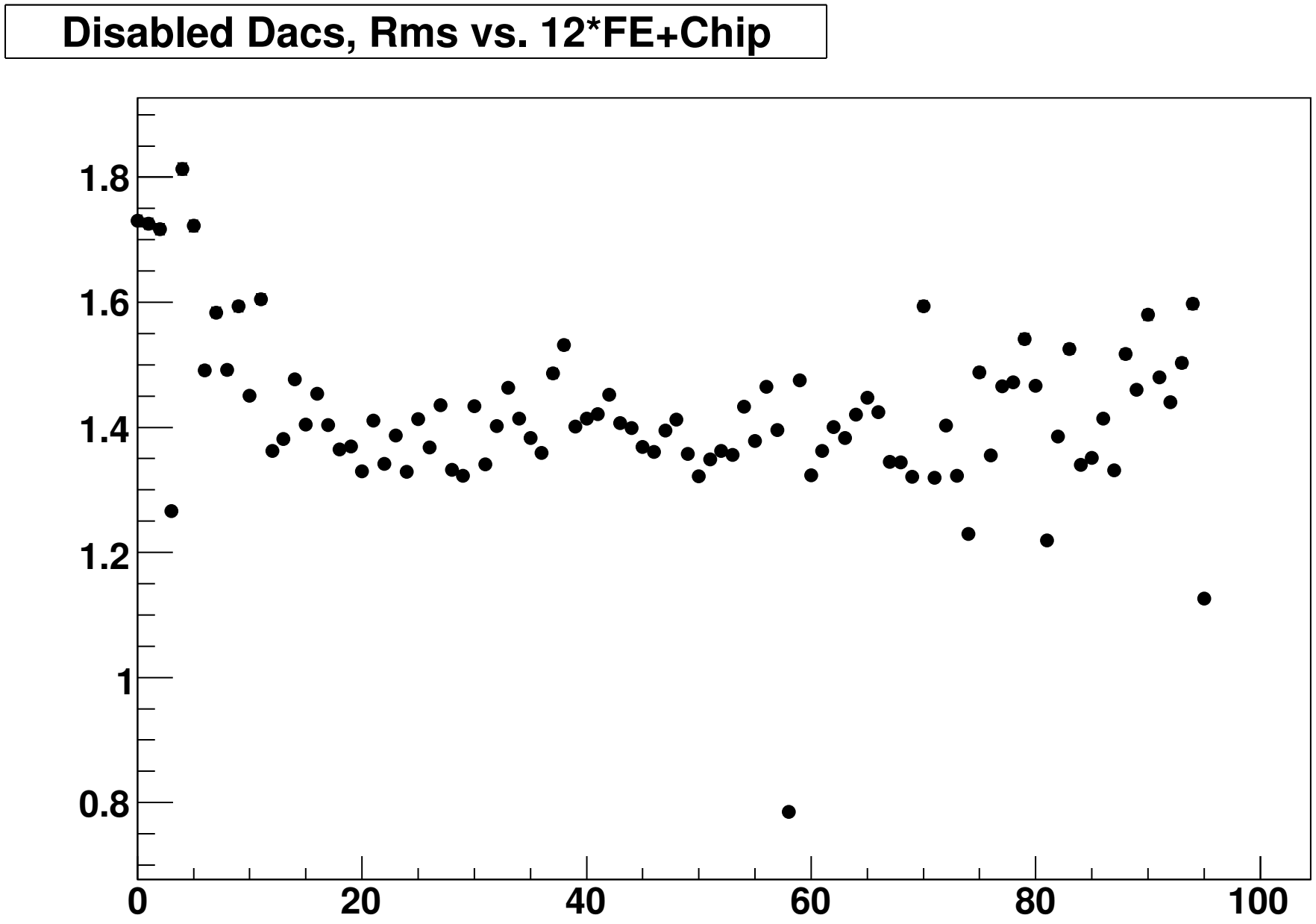

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 287 / 46
p0 86.47 ± 0.00452
p1 8.248e-07 ± 1.567e-07
86.65
86.6
86.55
86.5
86.45
86.4
0
10000
20000
30000
40000
50000
60000
70000

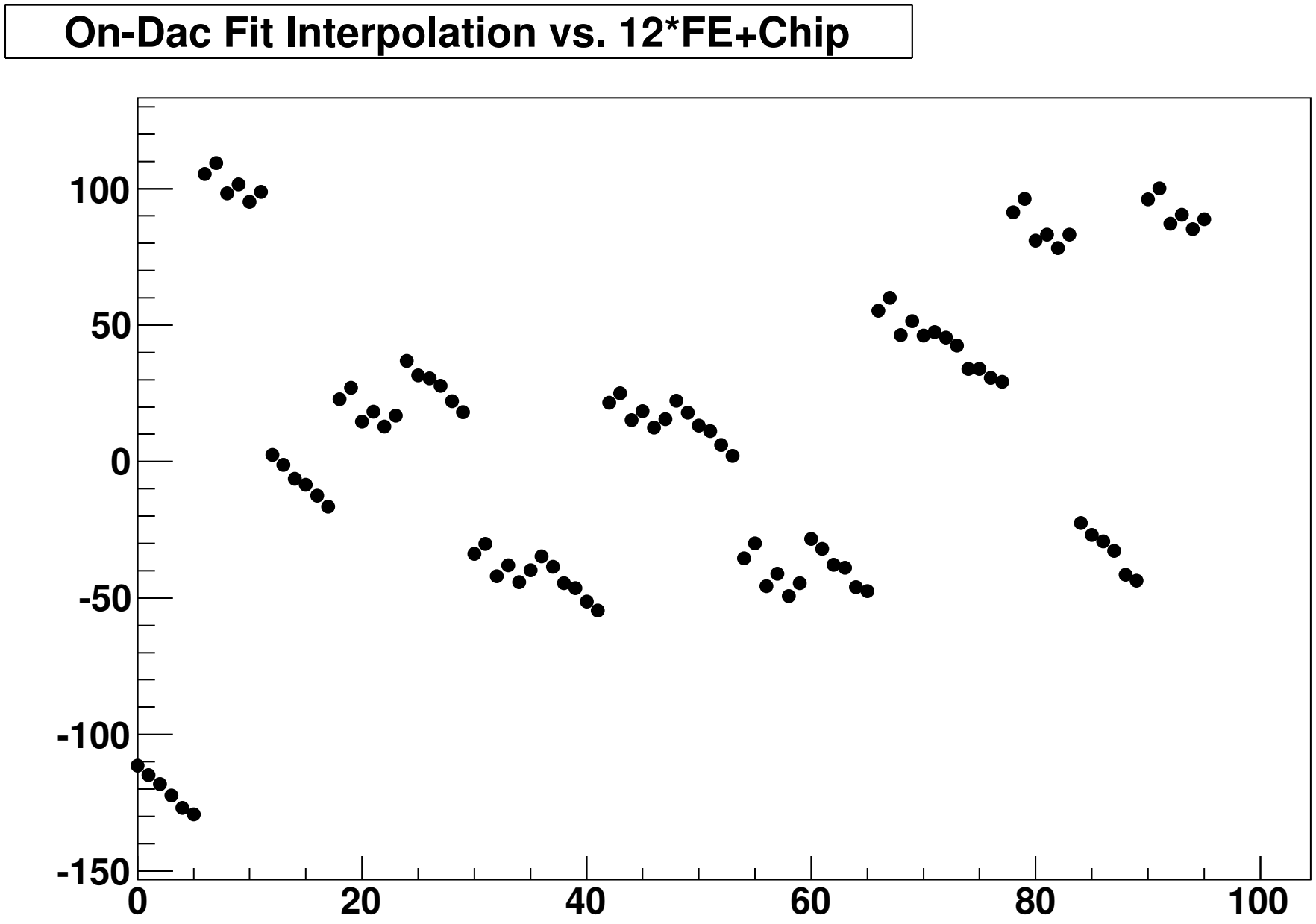

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 55.61 / 46
p0 1.464 ± 0.001575
p1 -4.642e-13 ± 1.716e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

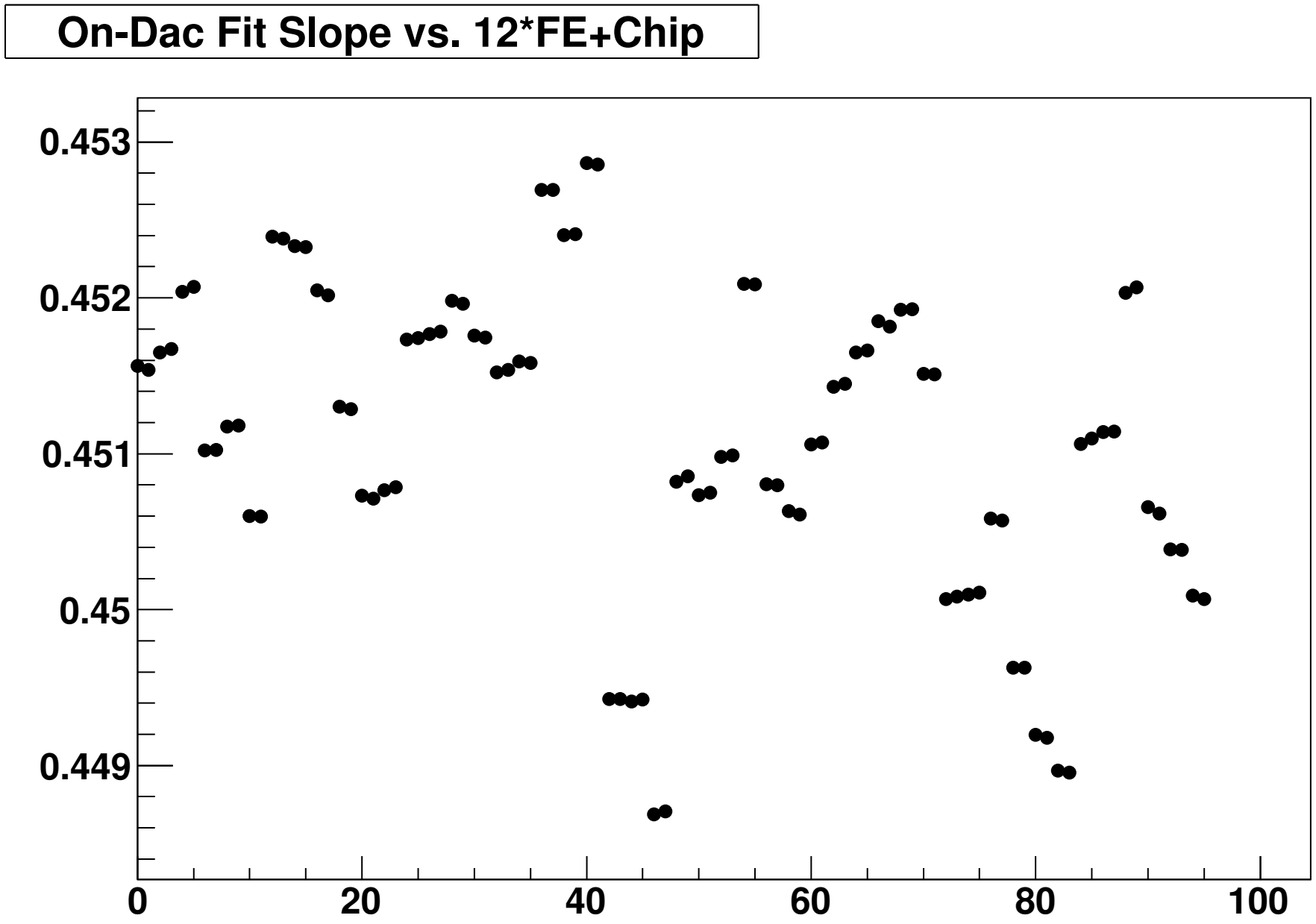

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.055e+05 / 46
p0 88.74 ± 0.004814
p1 0.4501 ± 1.917e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

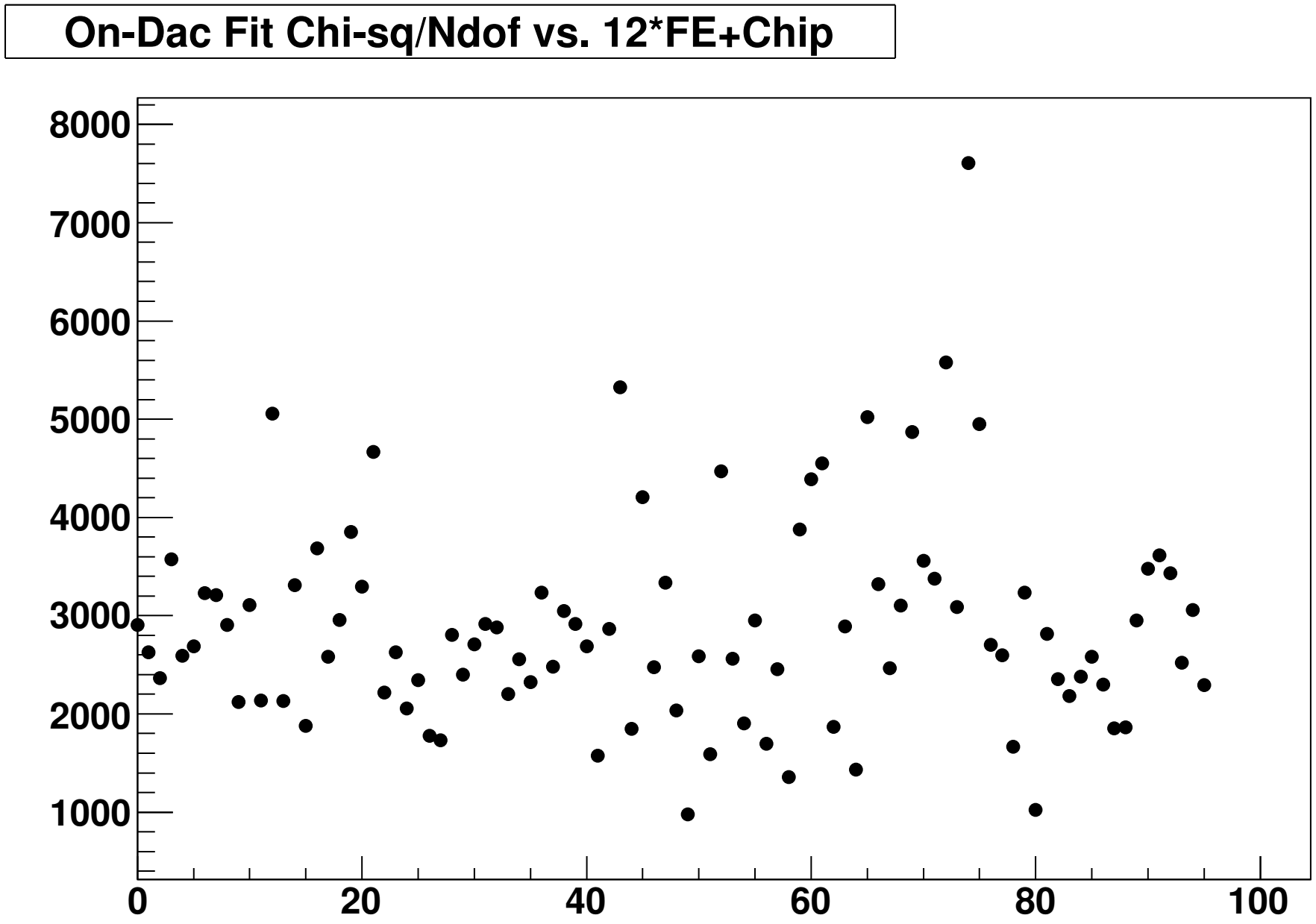

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1048 / 46
p0 1.415 ± 0.002693
p1 3.599e-05 ± 1.438e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

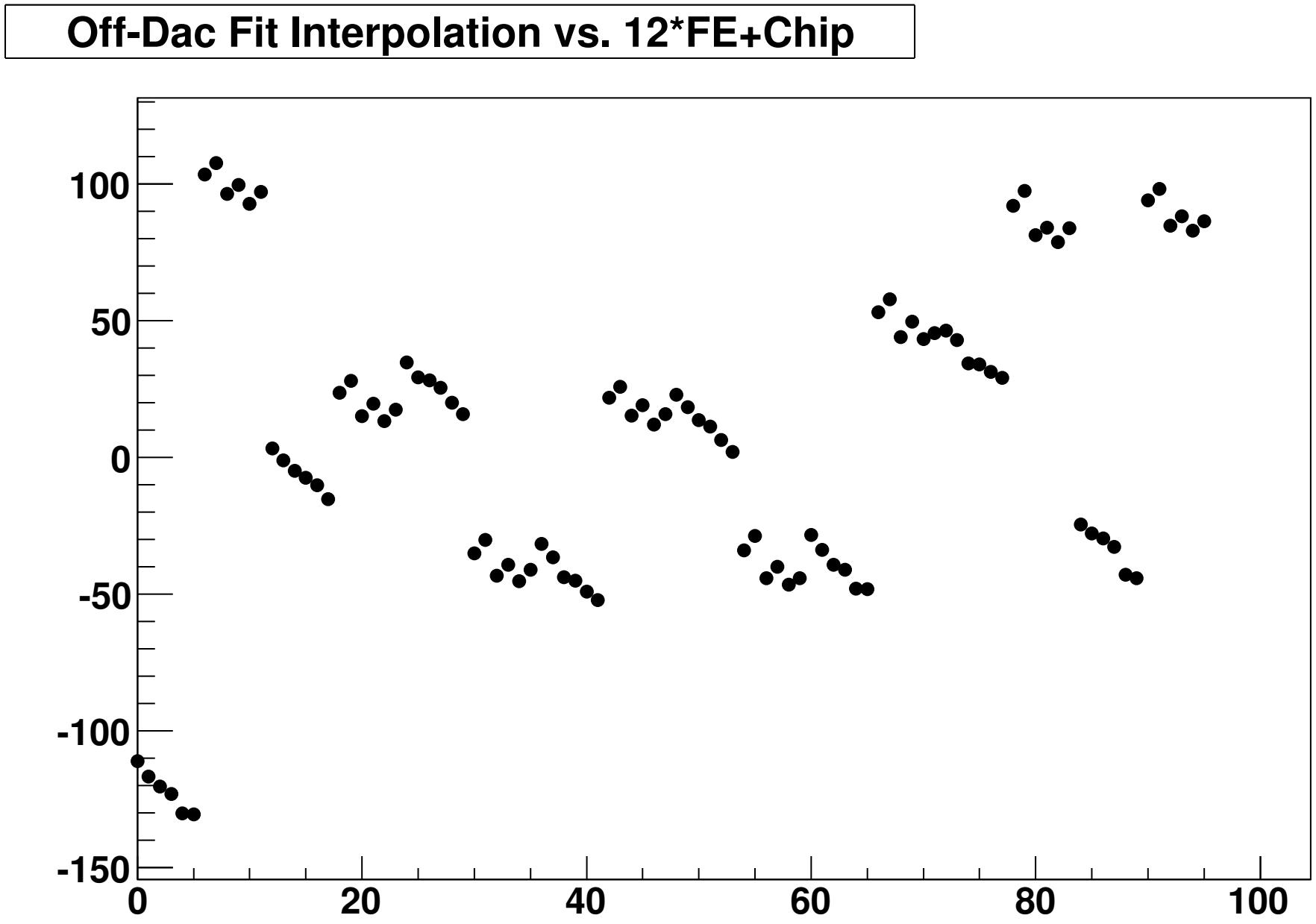

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

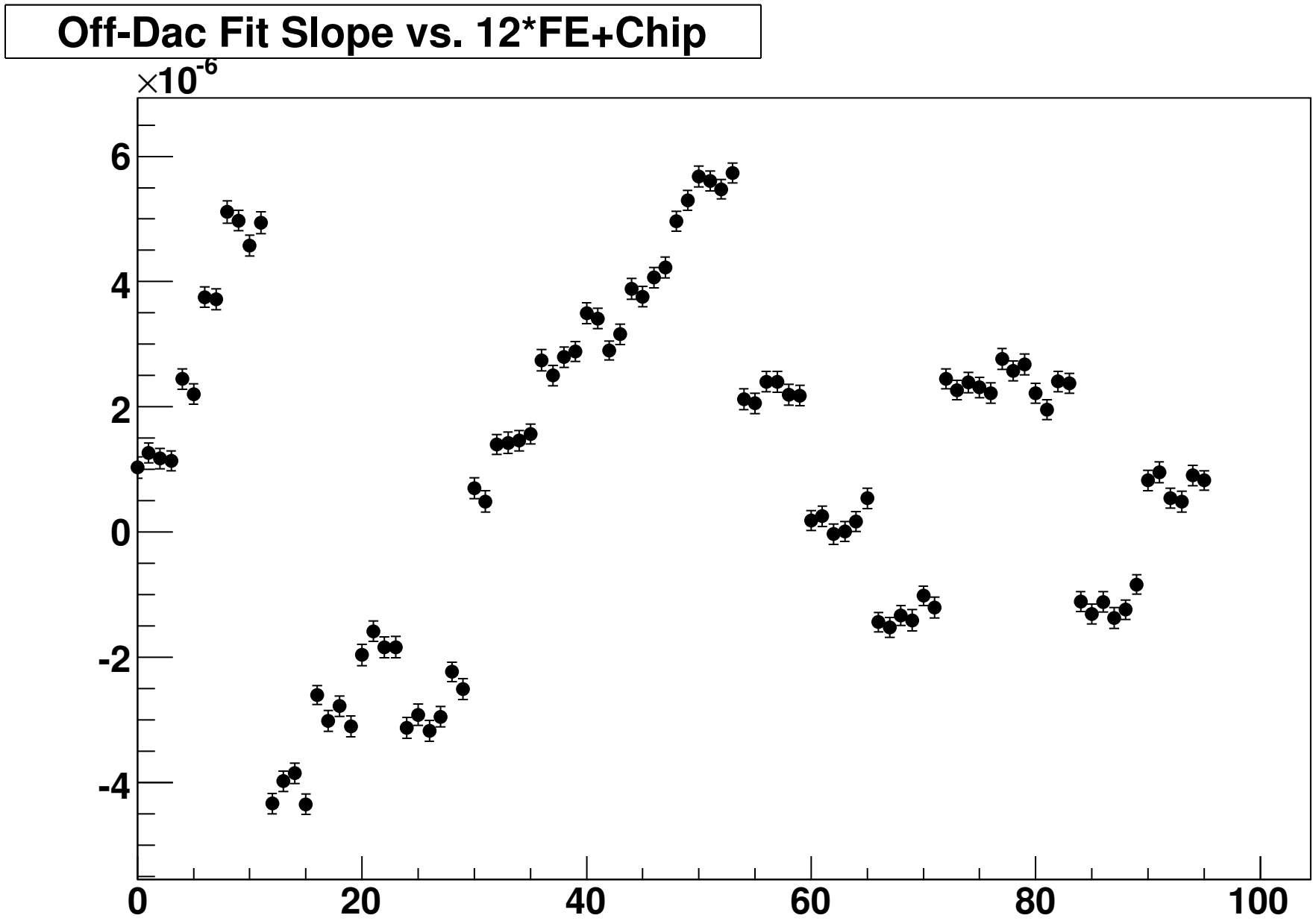

Disabled Dacs, Rms vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

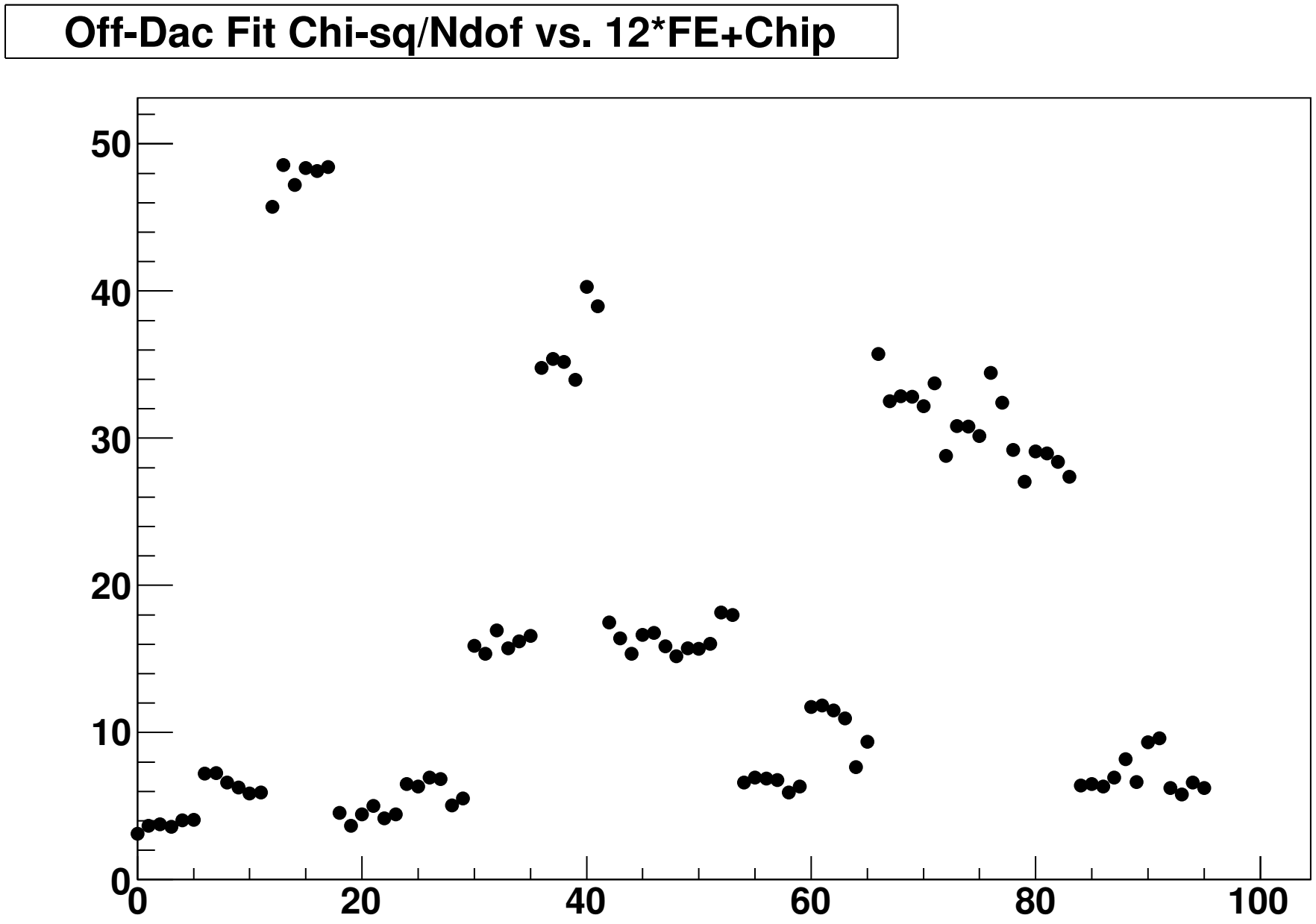

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
-150
0
20
40
60
80
100

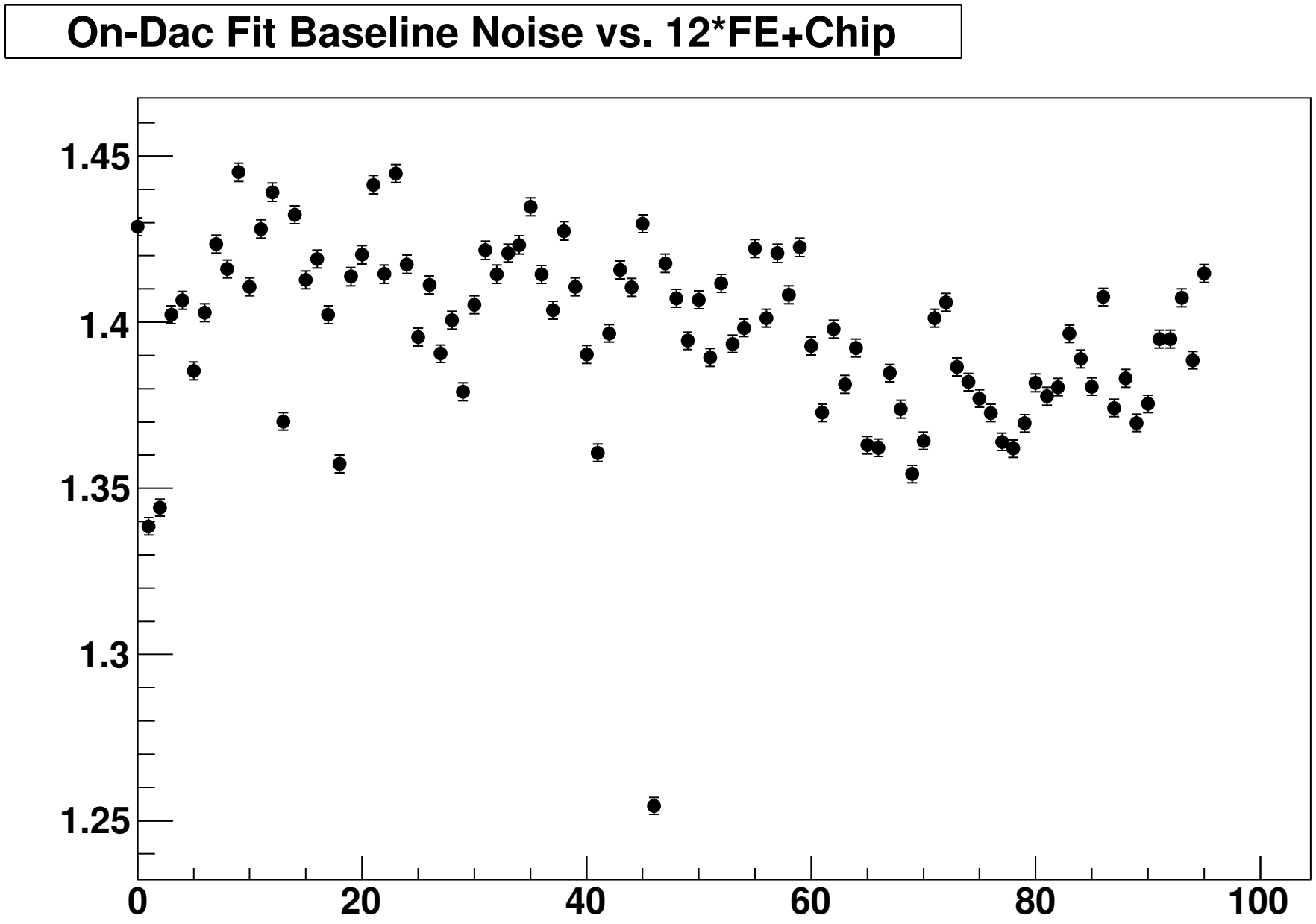

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.452
0.451
0.45
0.449
0
20
40
60
80
100

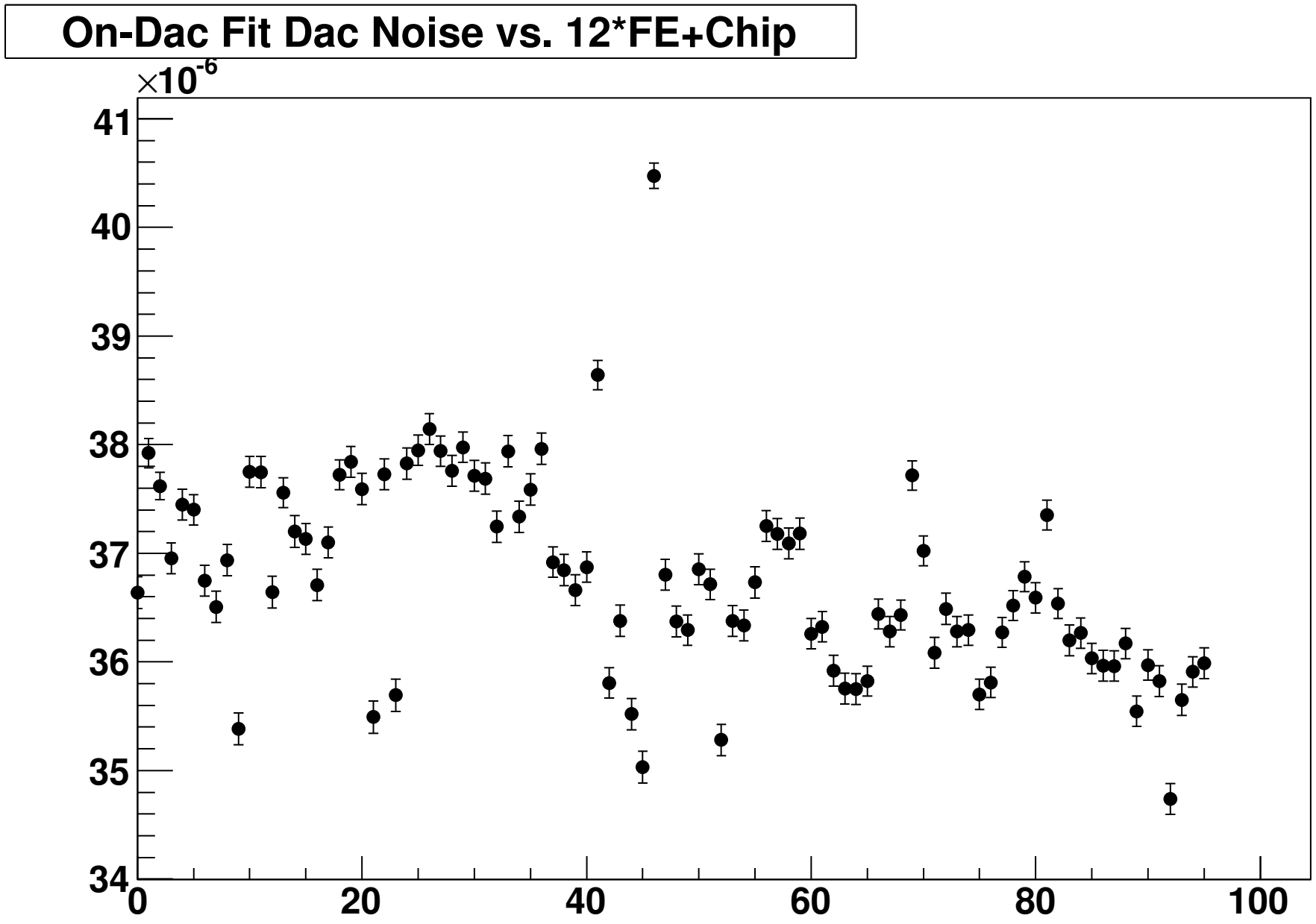

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
8000
7000
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

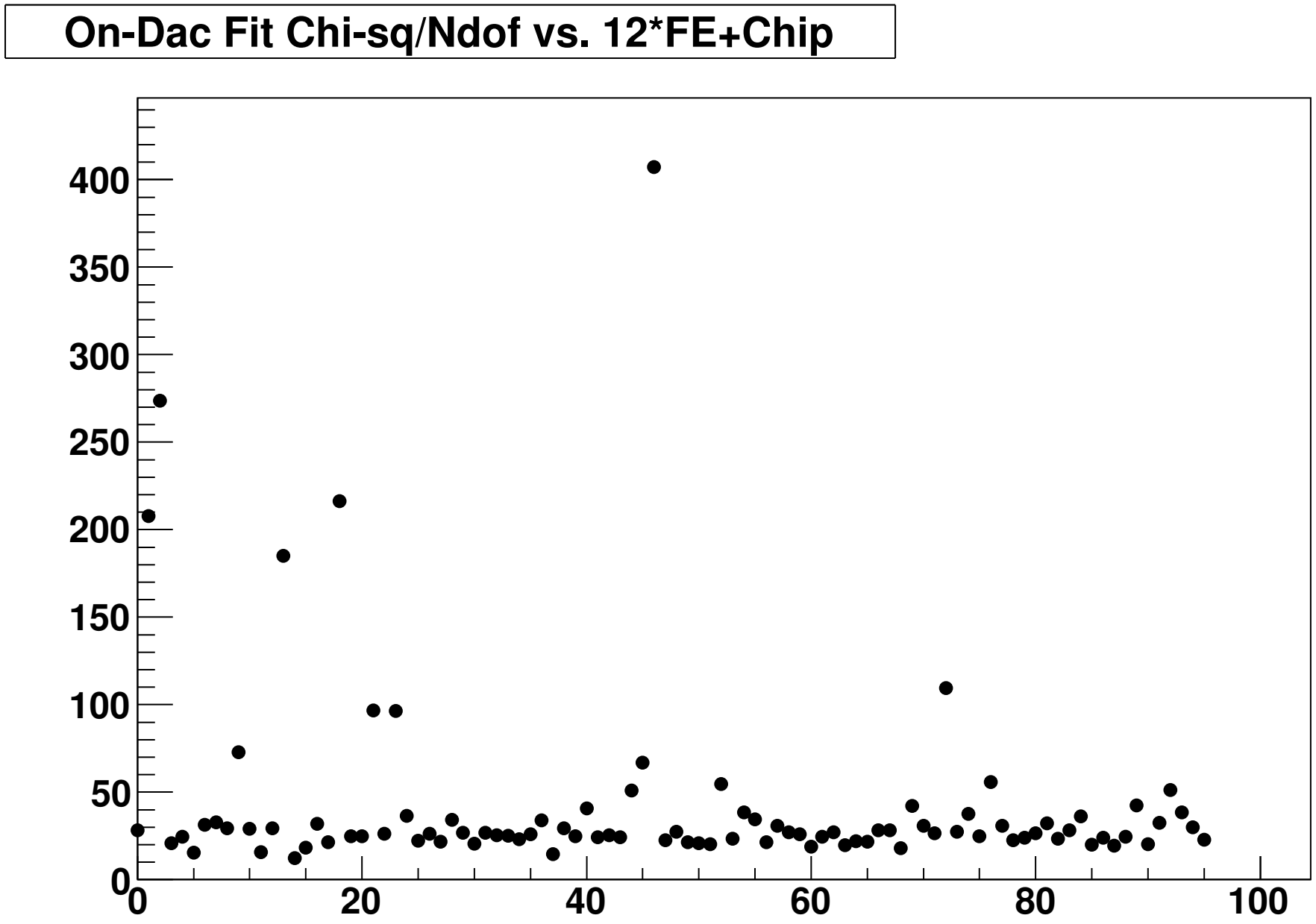

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
-150
0
20
40
60
80
100

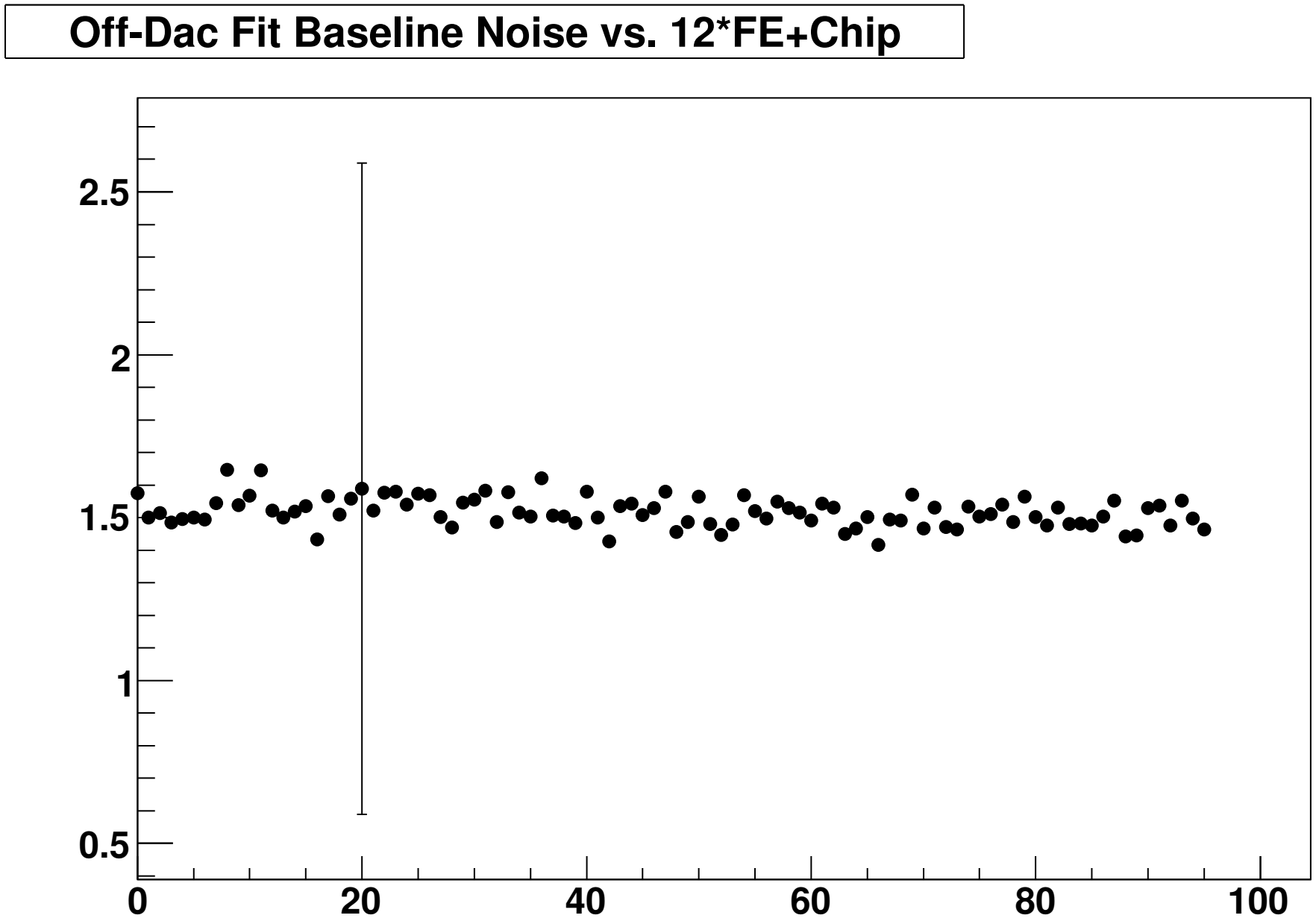

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
6
4
2
0
-2
-4
0
20
40
60
80
100

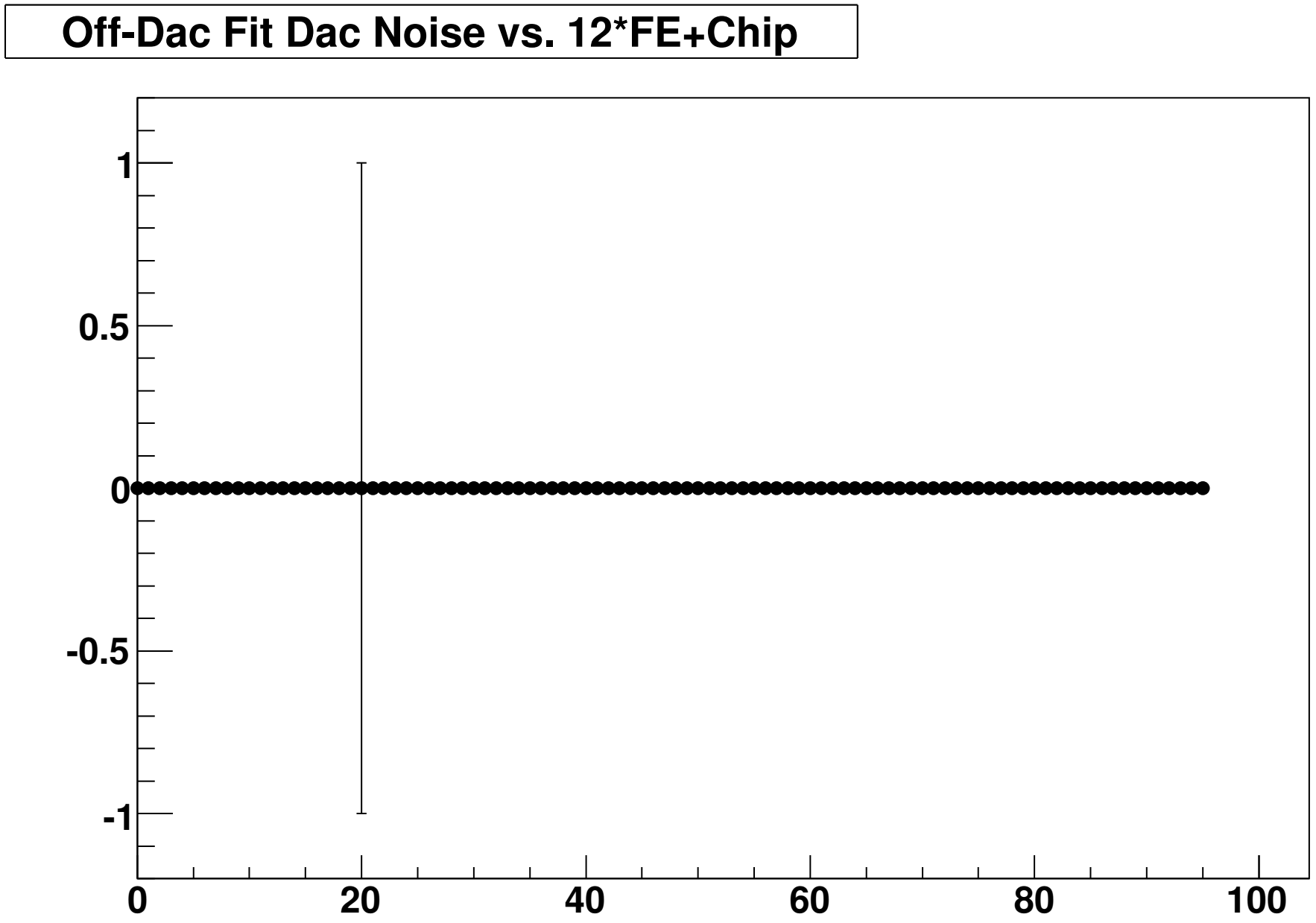

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
10
20
30
40
50
0
20
40
60
80
100

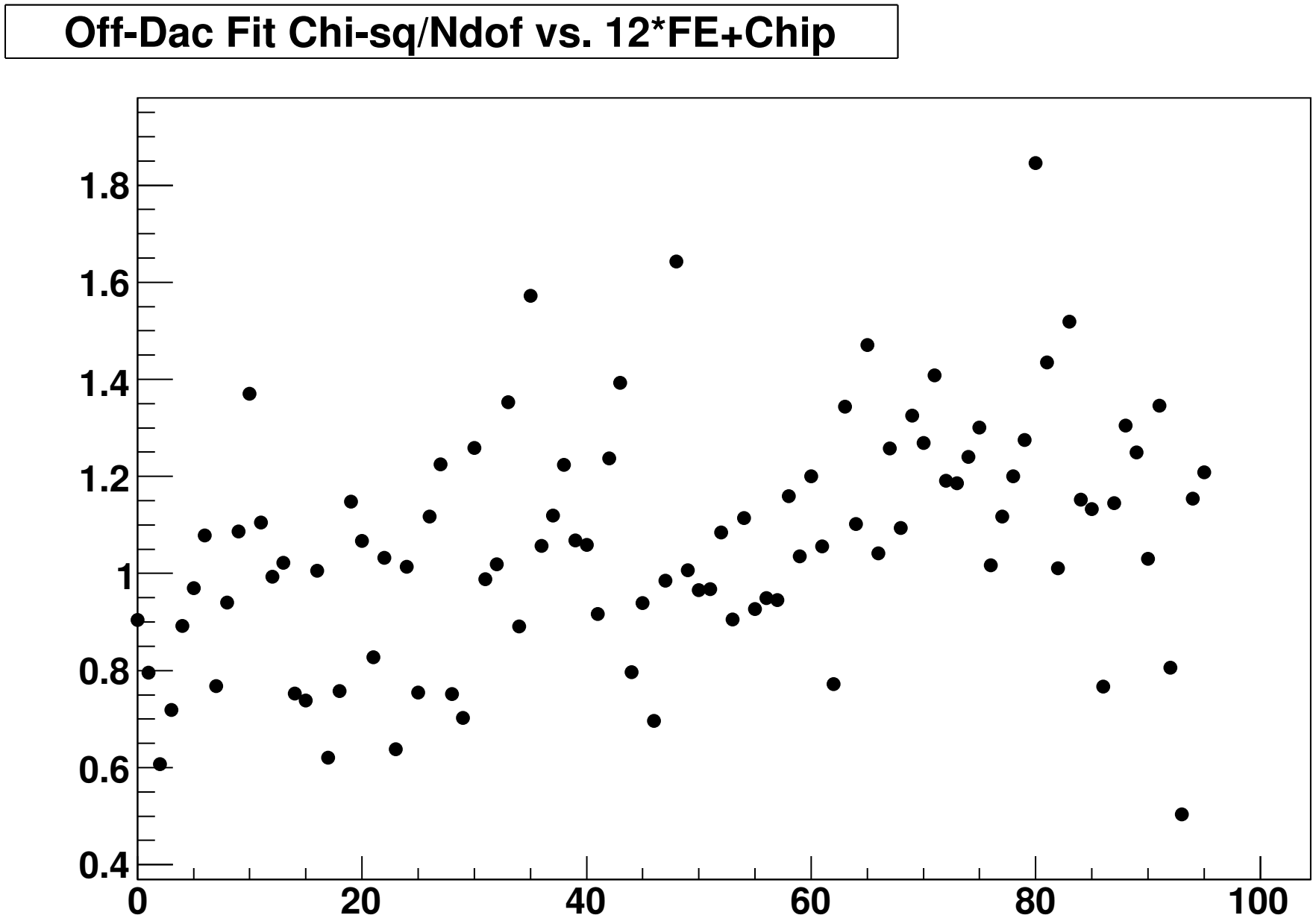

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.45
1.4
1.35
1.3
1.25
0
20
40
60
80
100

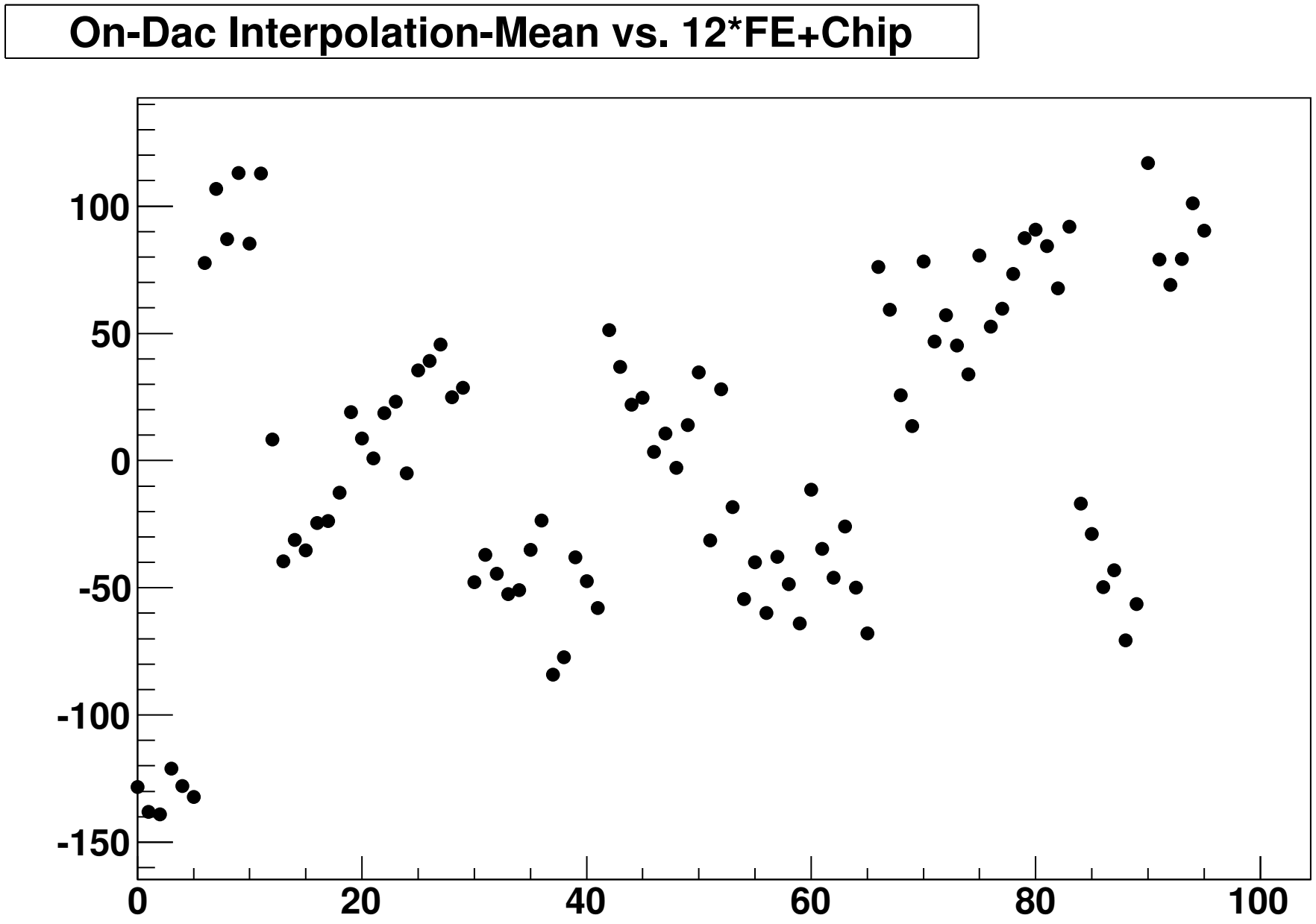

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
41
40
39
38
37
36
35
34
0
20
40
60
80
100

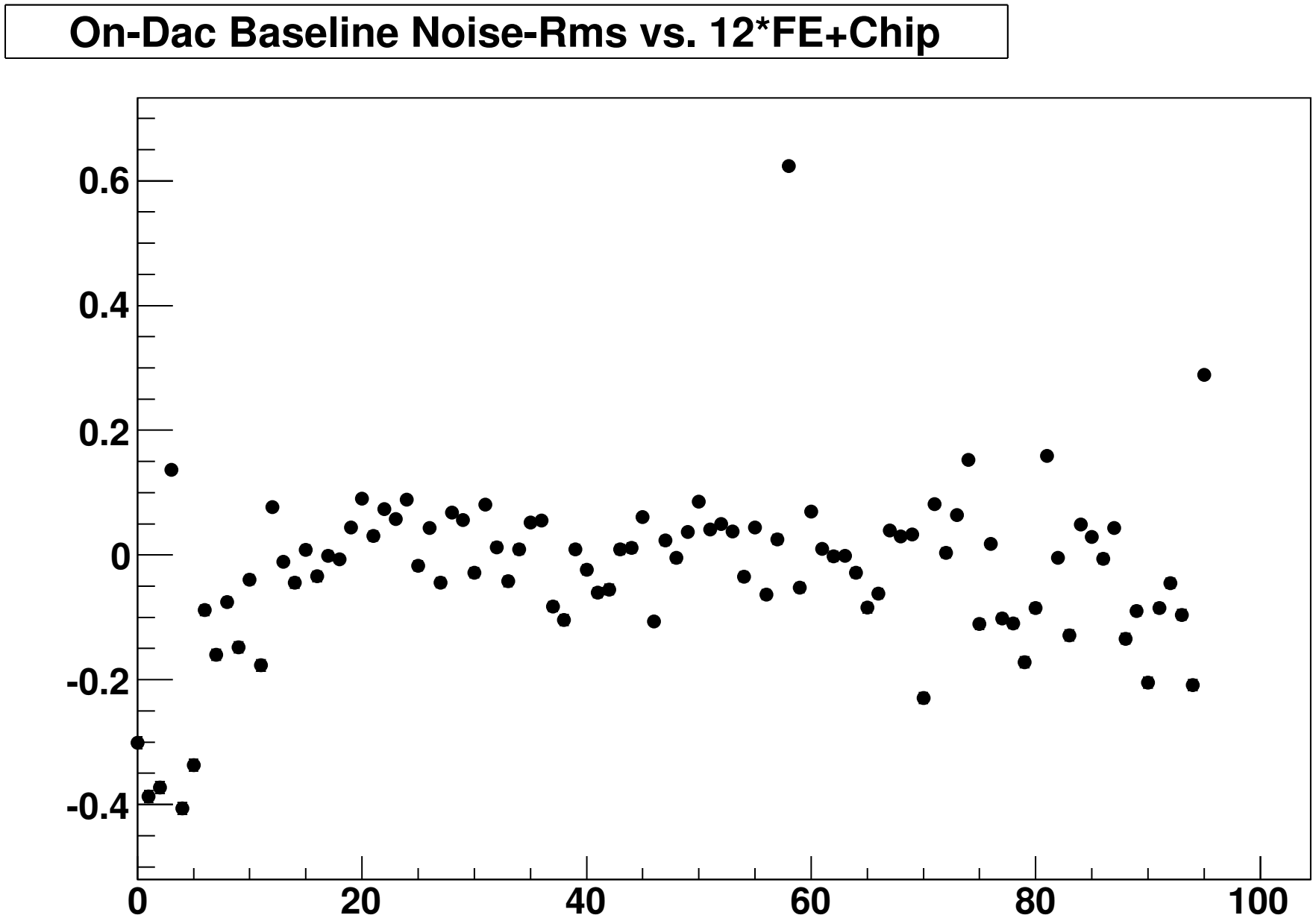

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

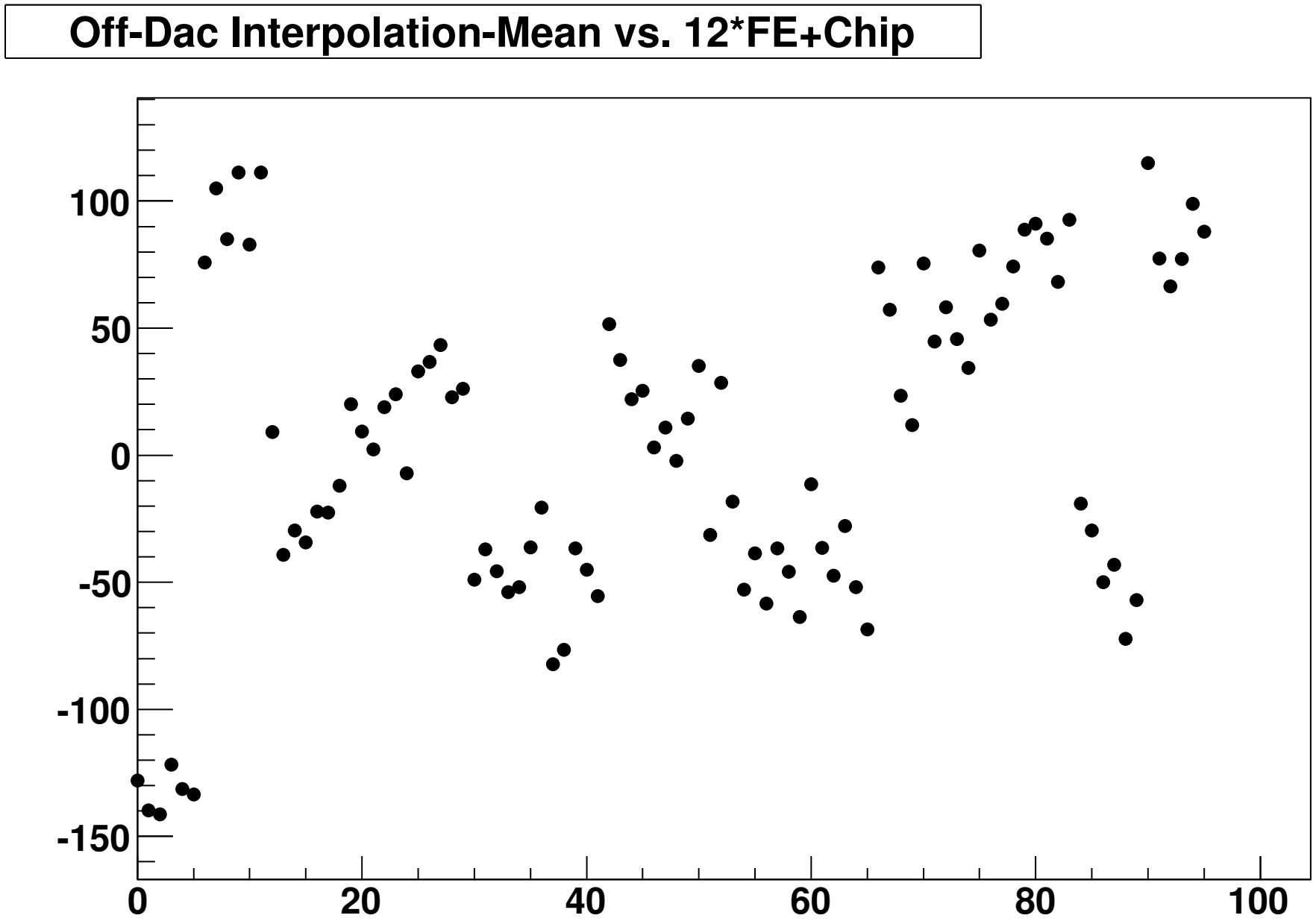

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
2.5
2
1.5
1
0.5
0
20
40
60
80
100

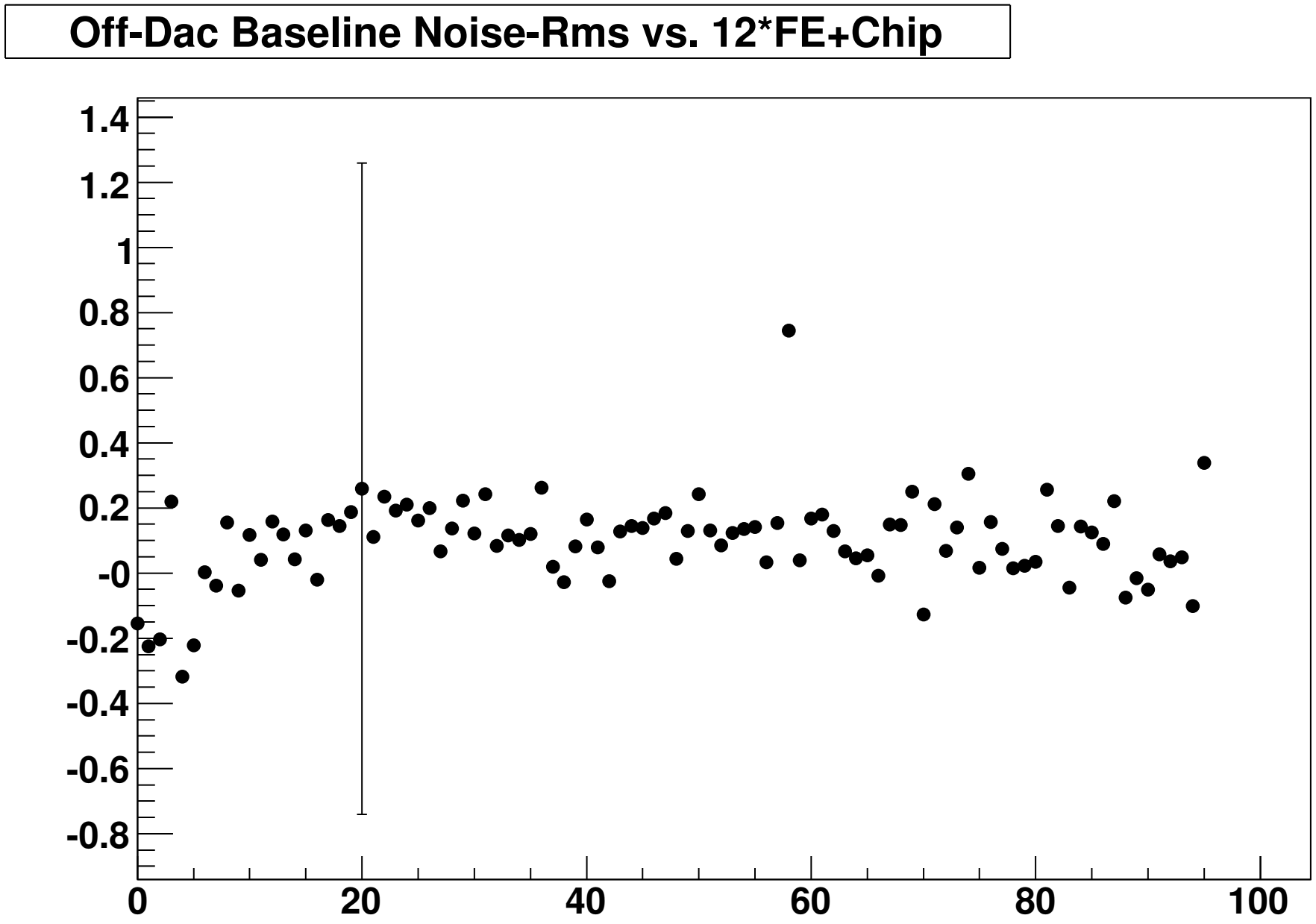

Off-Dac Fit Dac Noise vs. 12*FE+Chip
1
0.5
0
-0.5
-1
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0
20
40
60
80
100


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


On-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


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


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