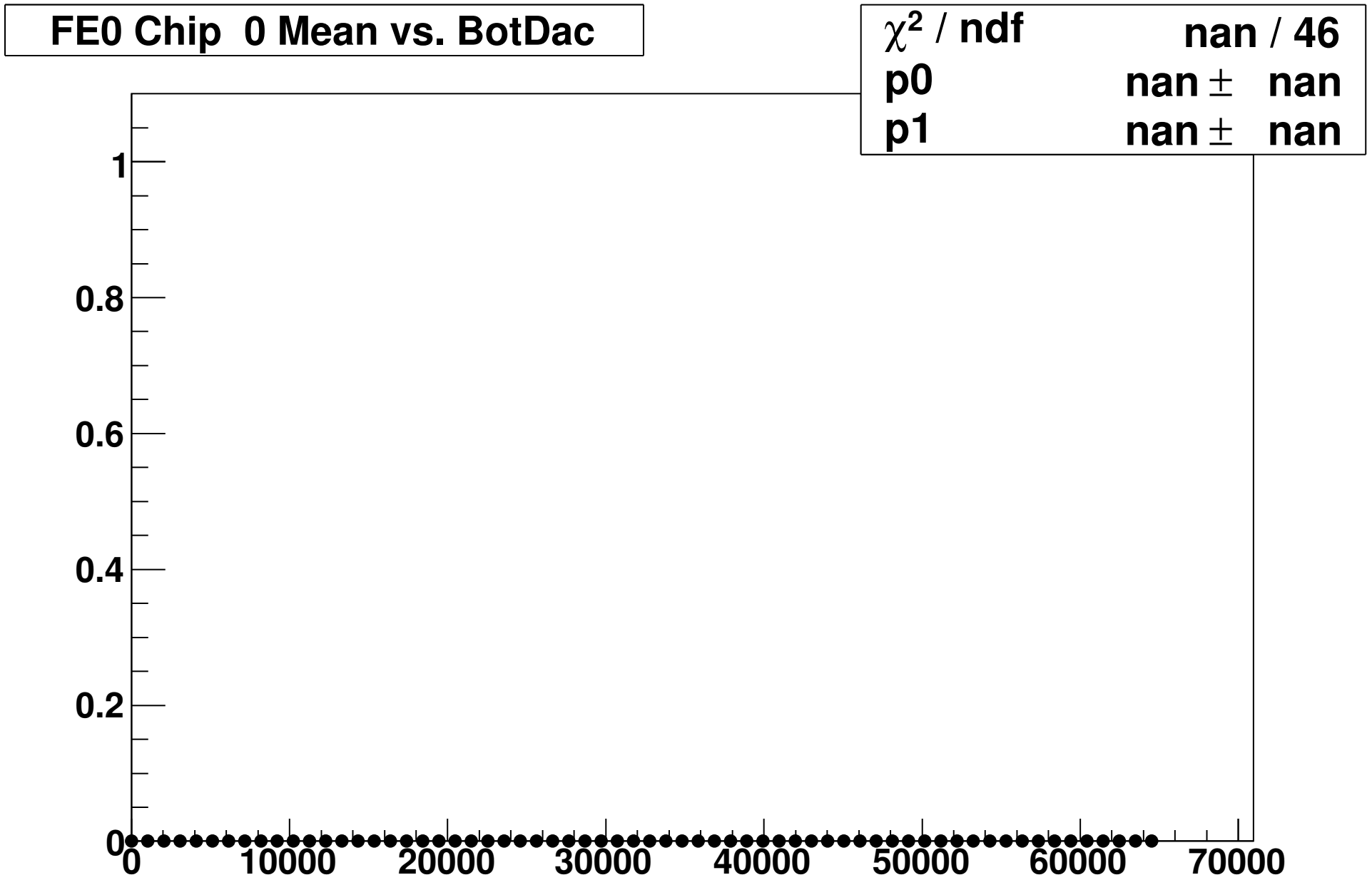
FE0 Chip 0 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
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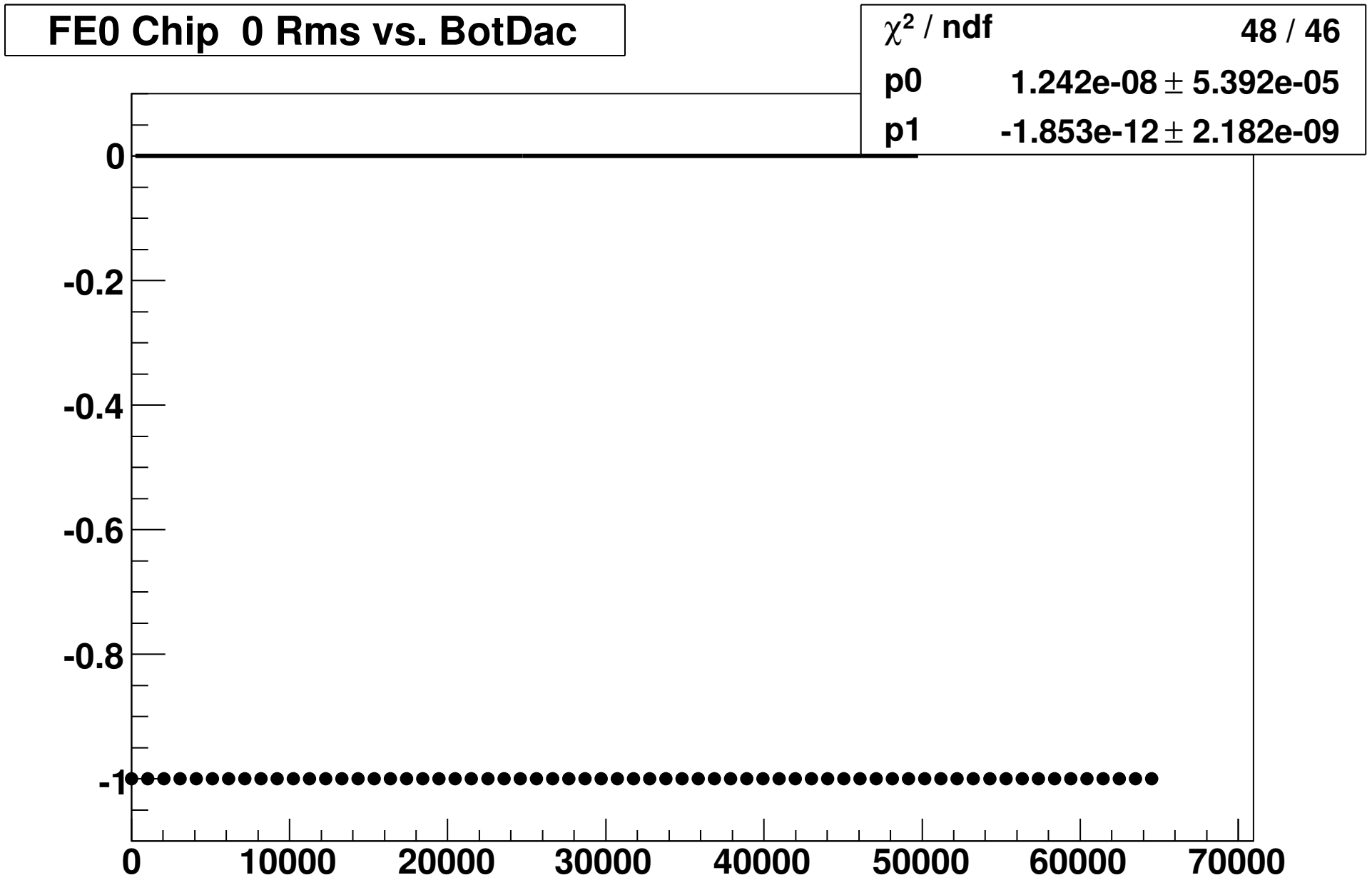
FE0 Chip 0 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
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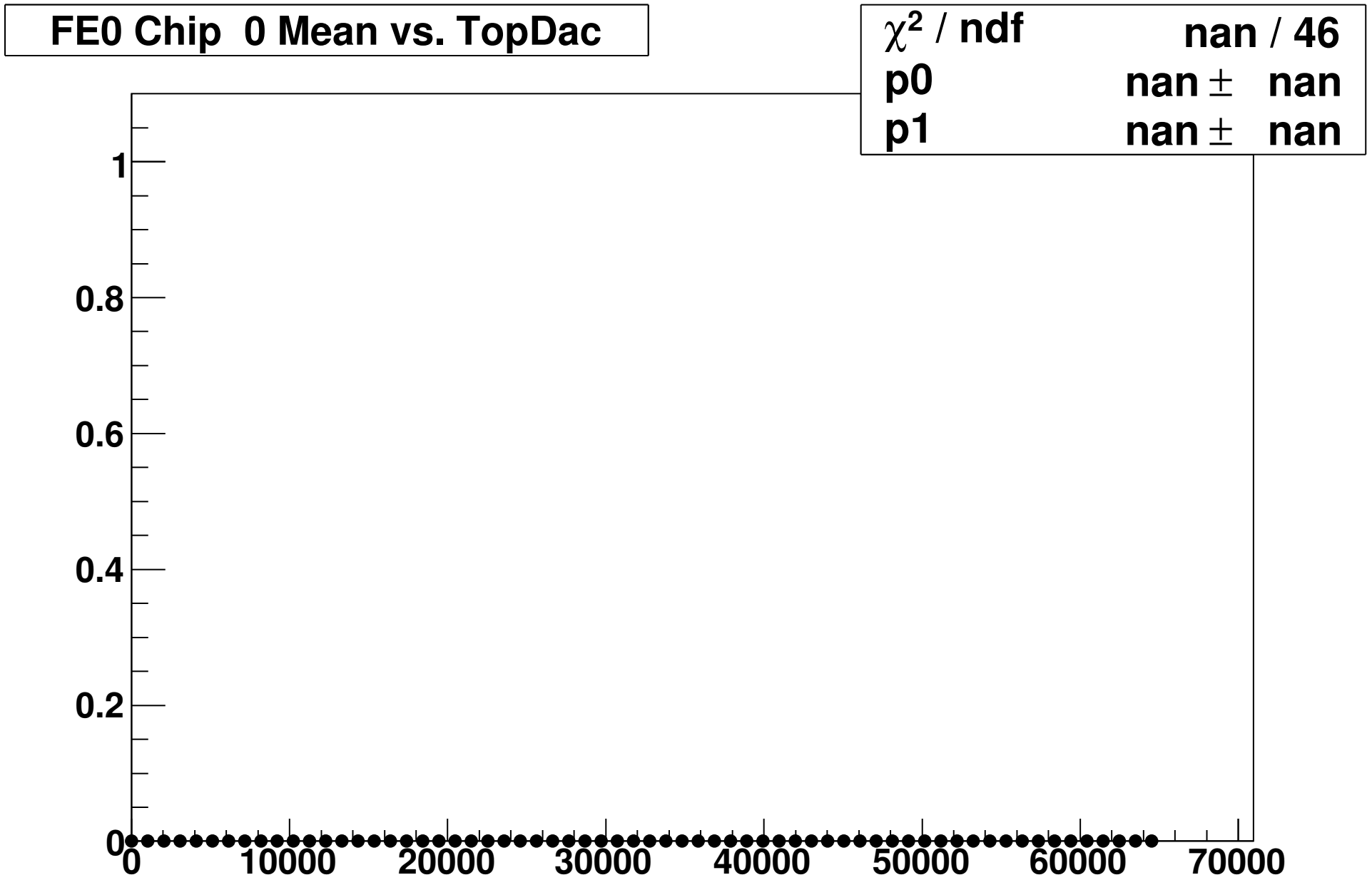
FE0 Chip 0 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
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0.4
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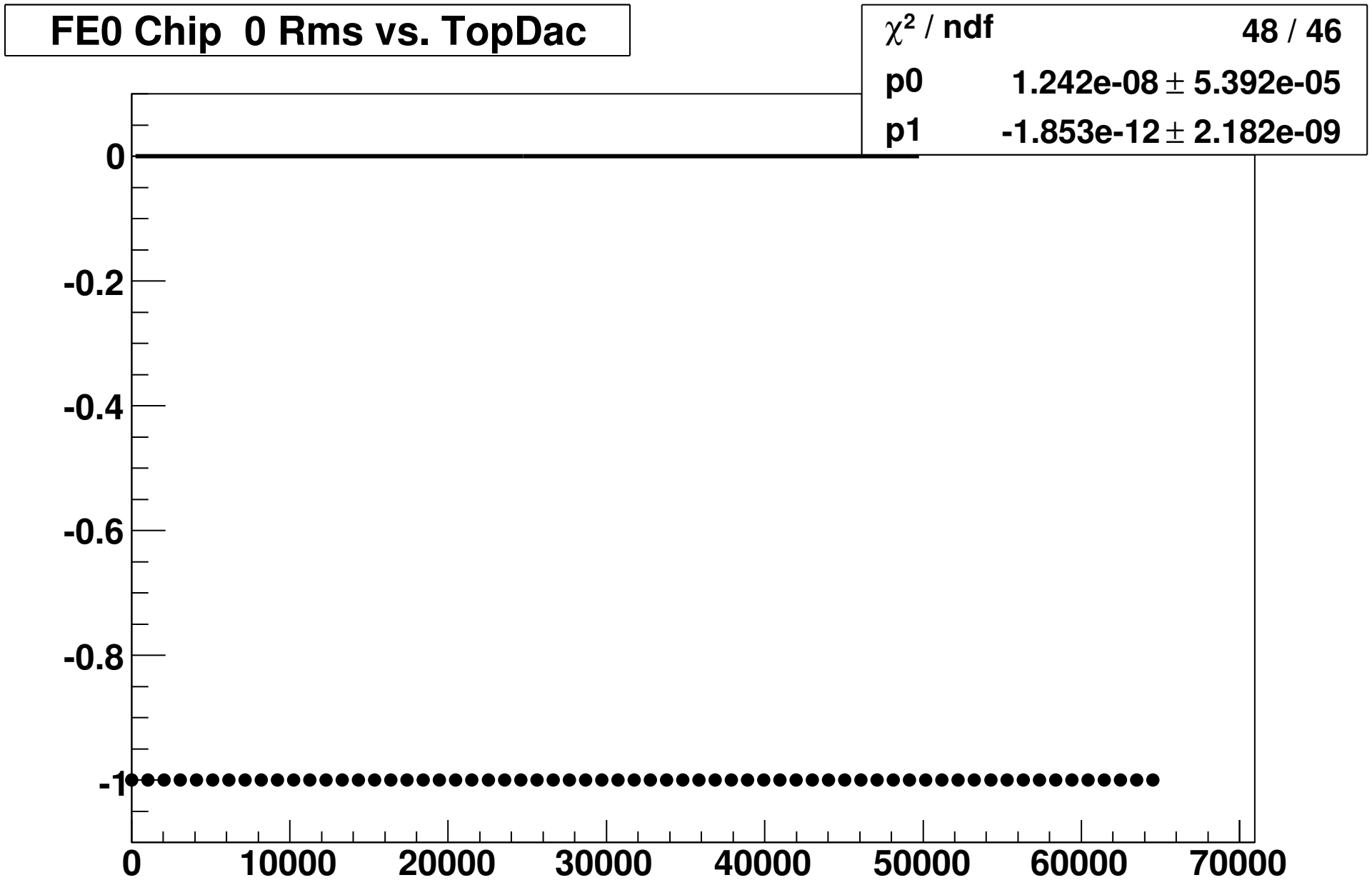
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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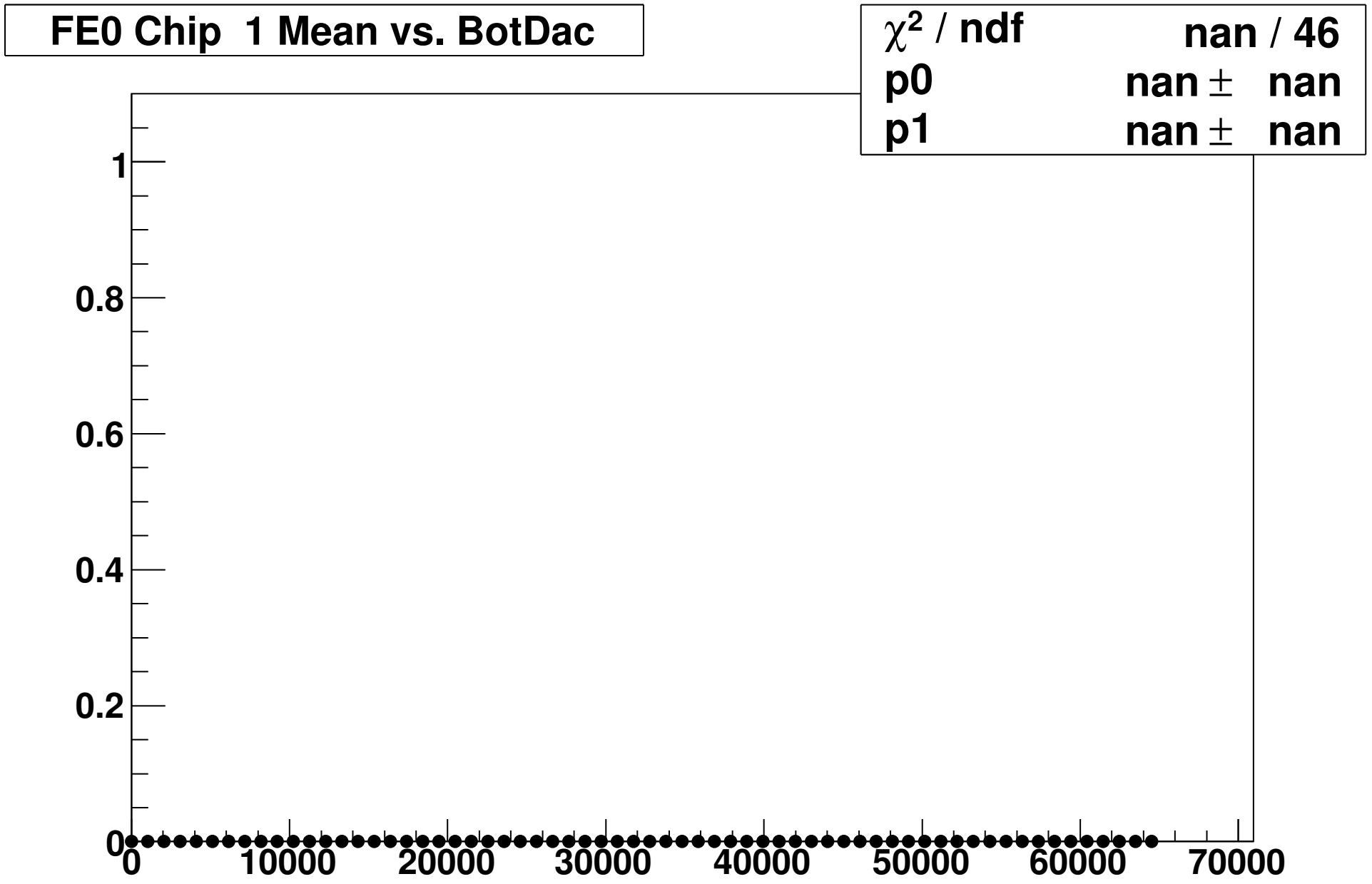
FE0 Chip 1 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
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0.6
0.4
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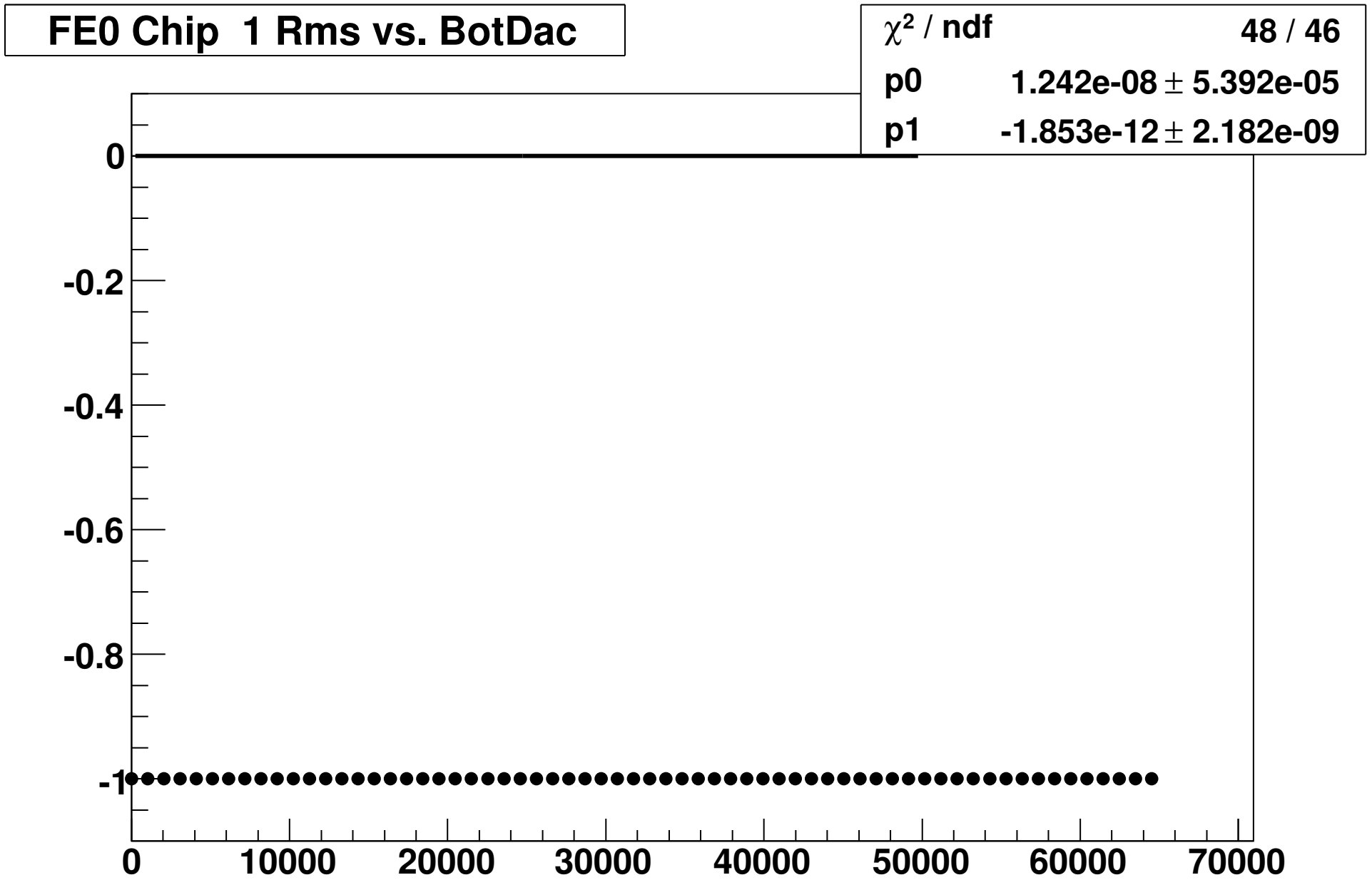
FE0 Chip 1 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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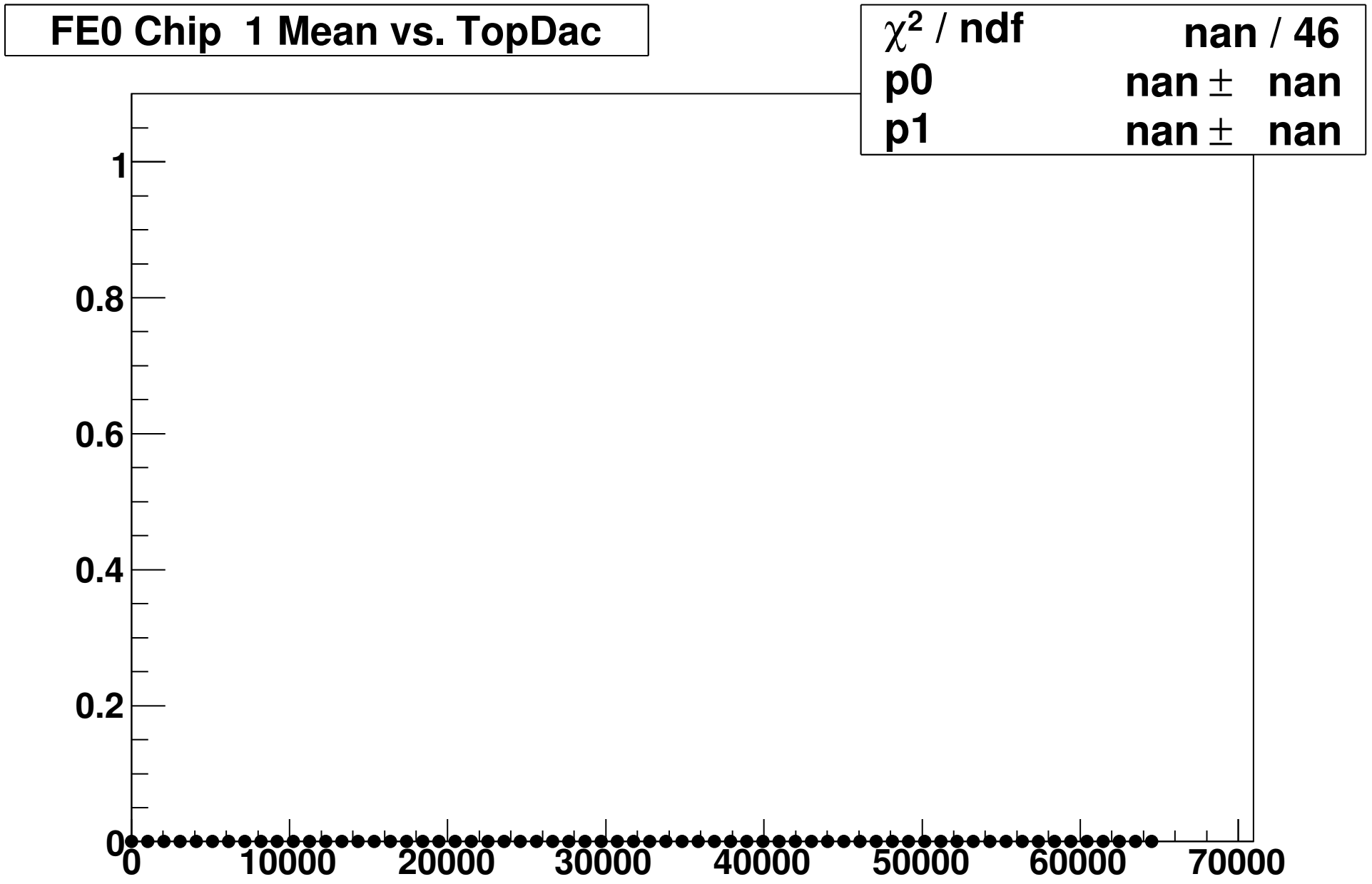
FE0 Chip 1 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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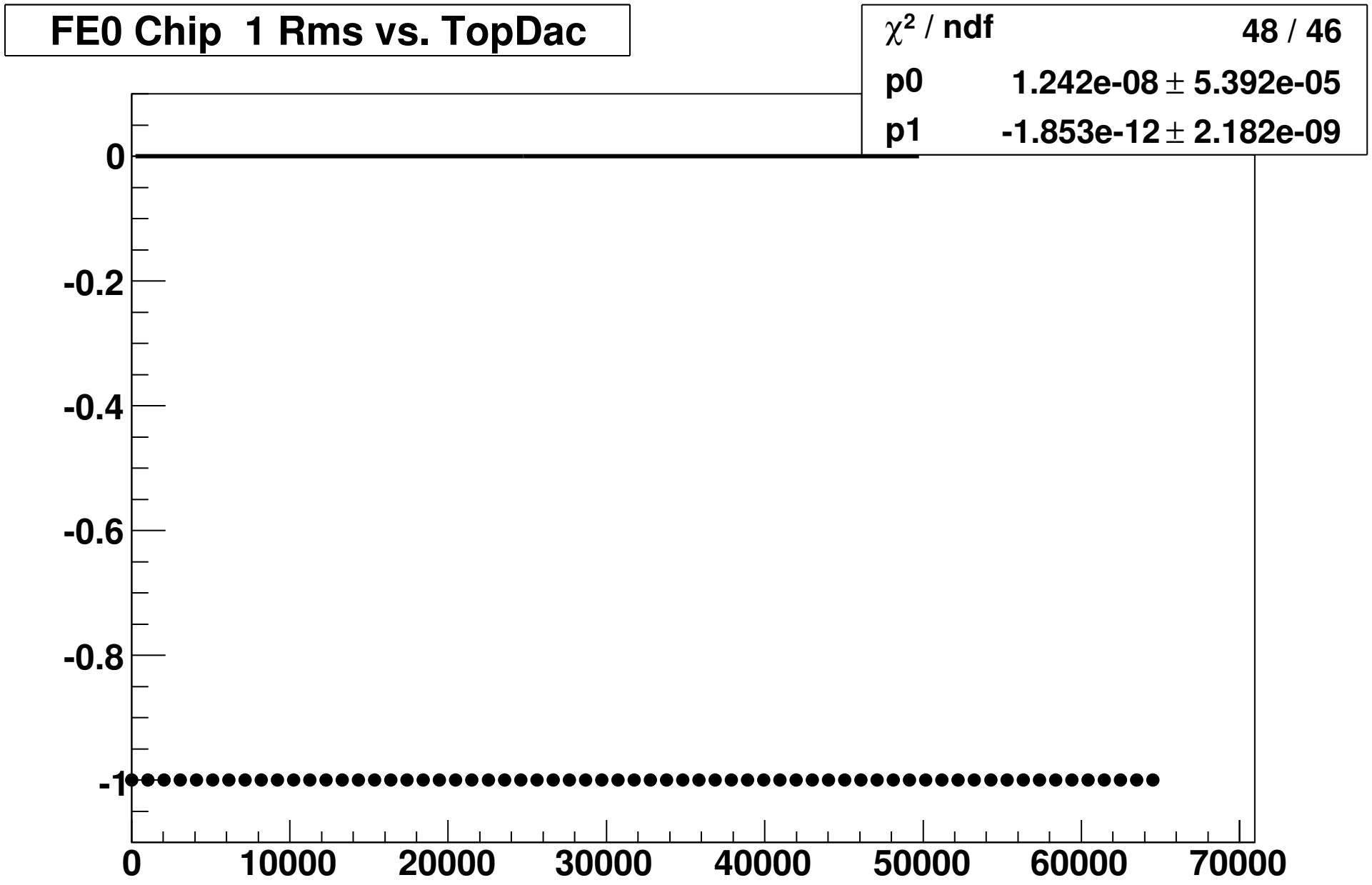
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
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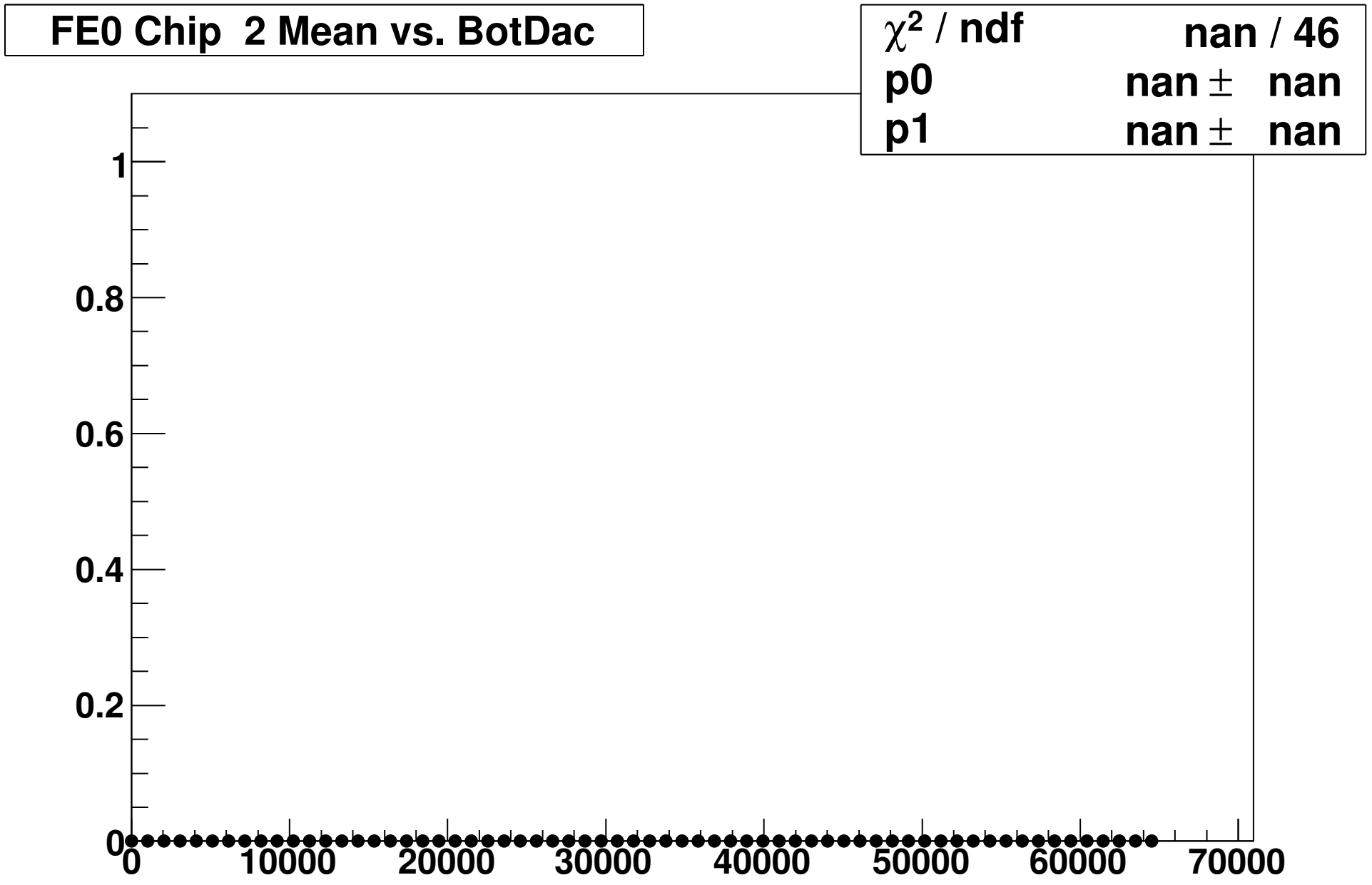
FE0 Chip 2 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
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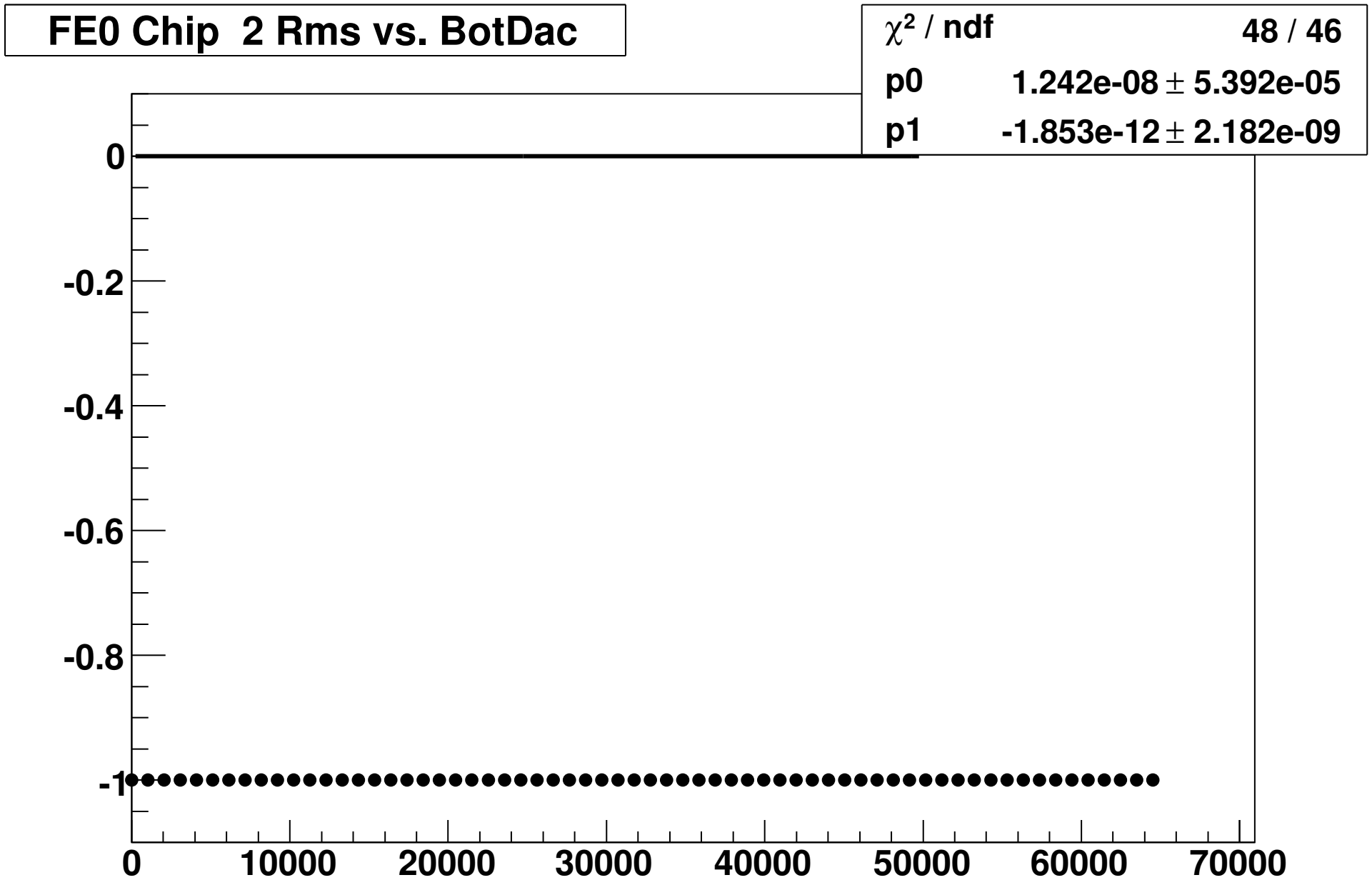
FE0 Chip 2 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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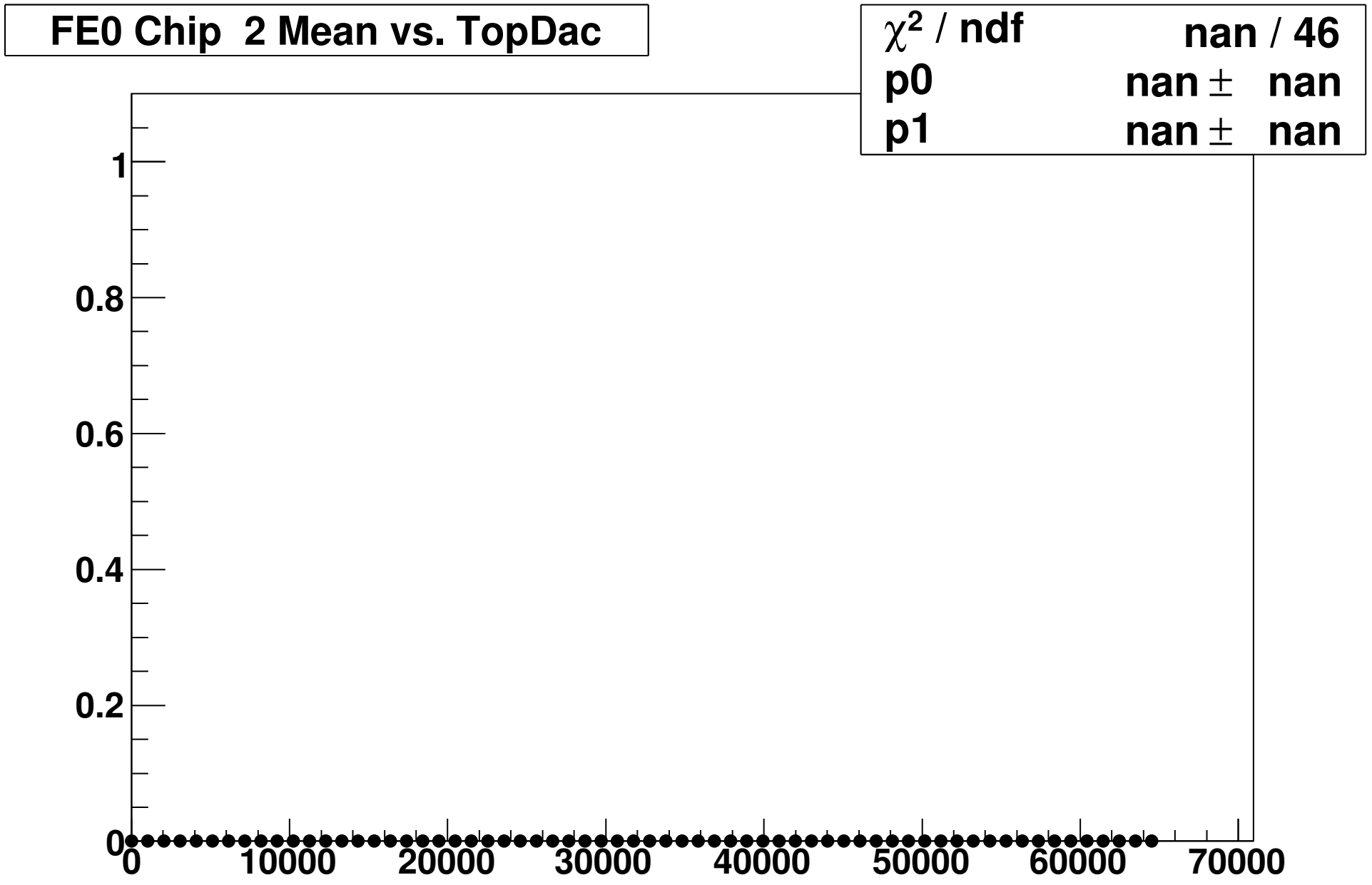
FE0 Chip 2 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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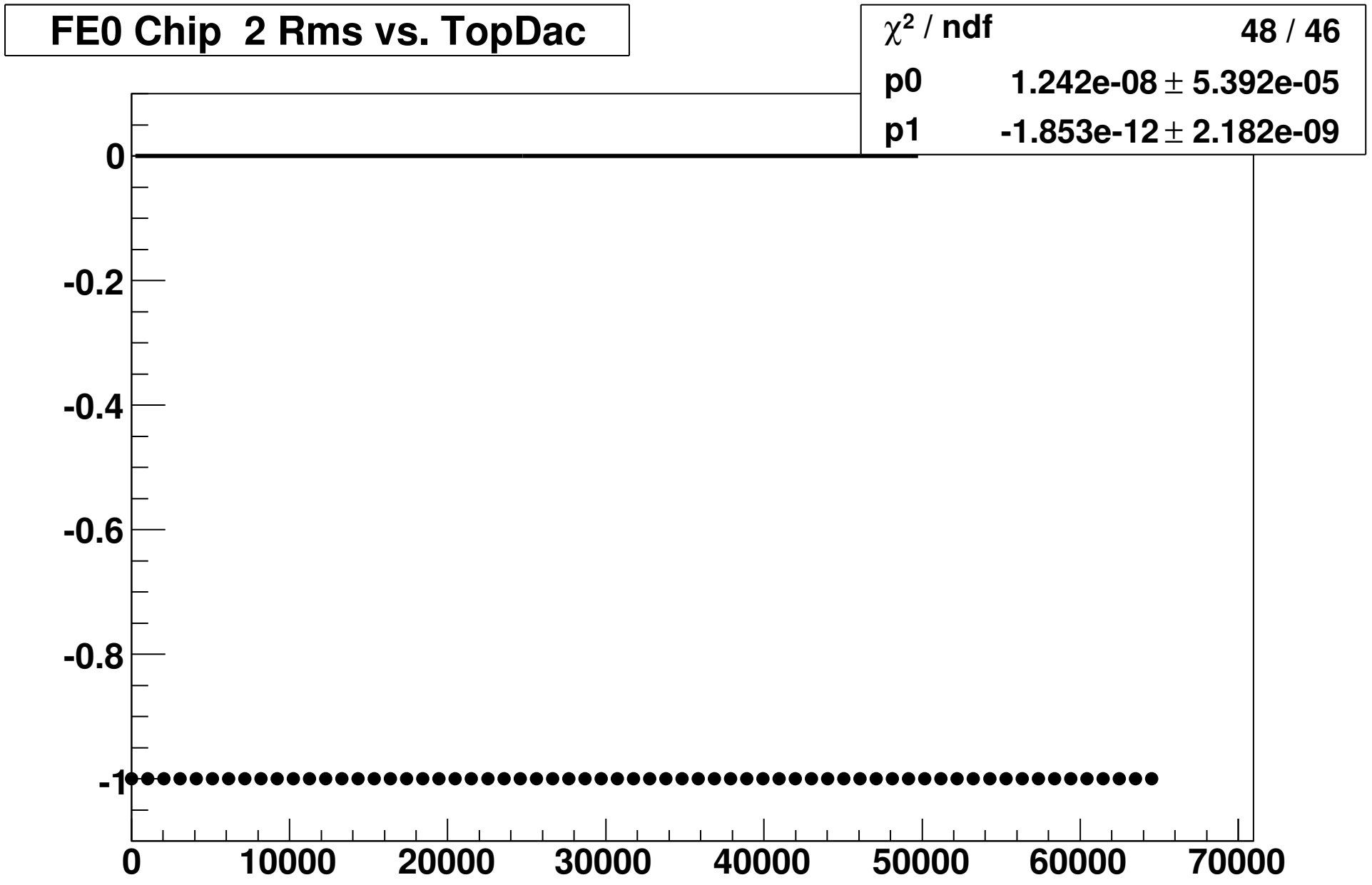
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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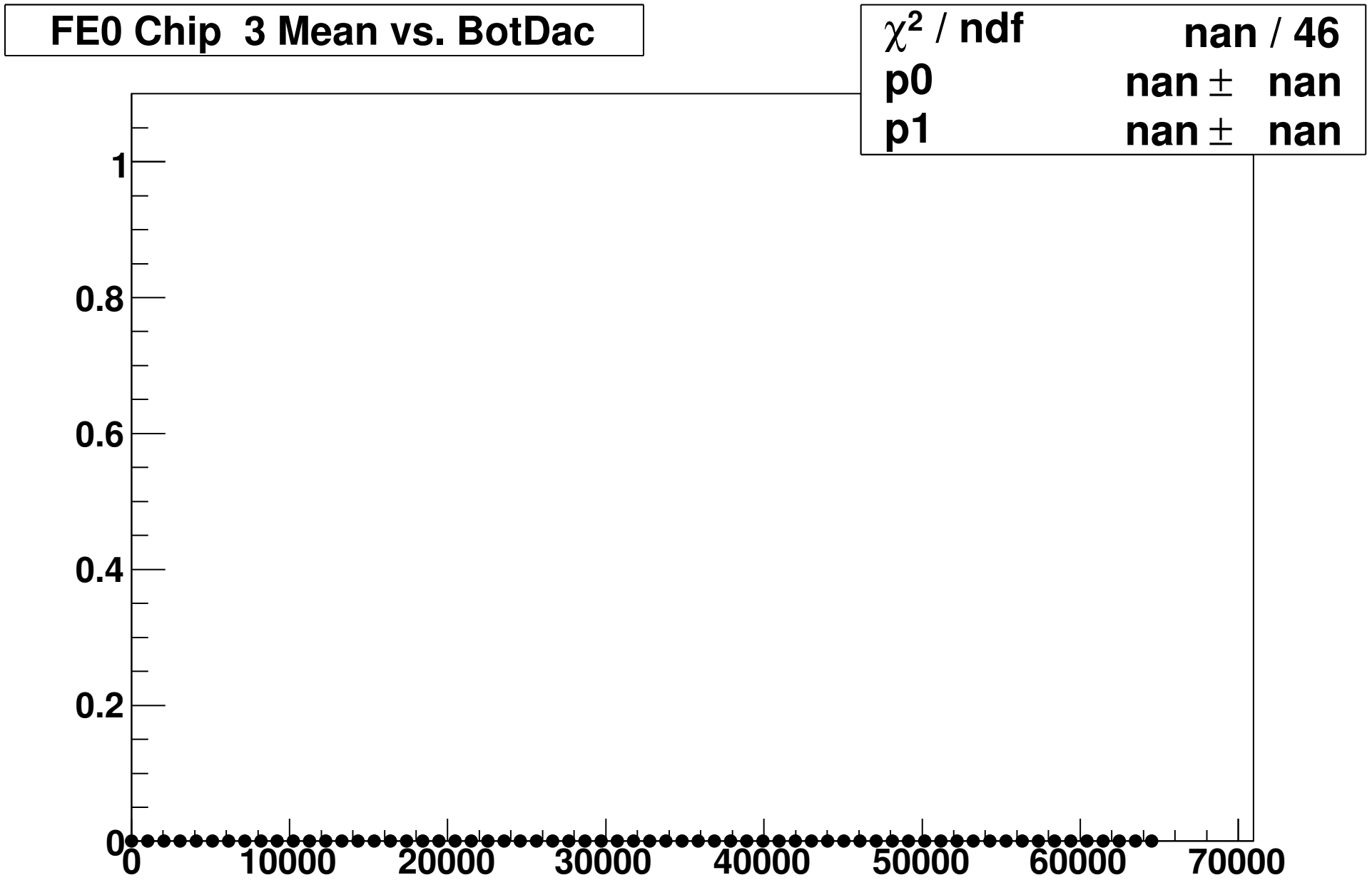
FE0 Chip 3 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
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0.6
0.4
0.2
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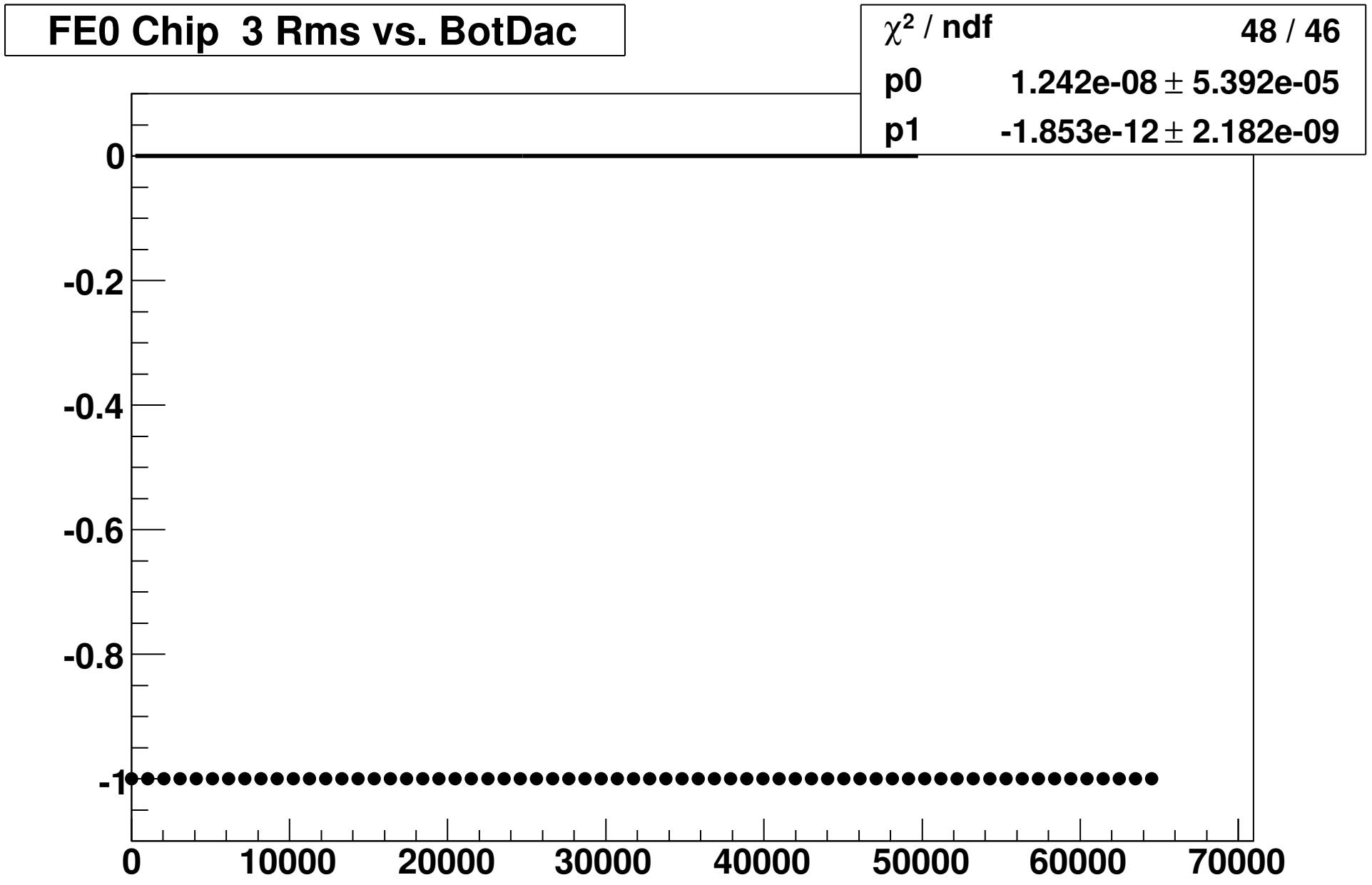
FE0 Chip 3 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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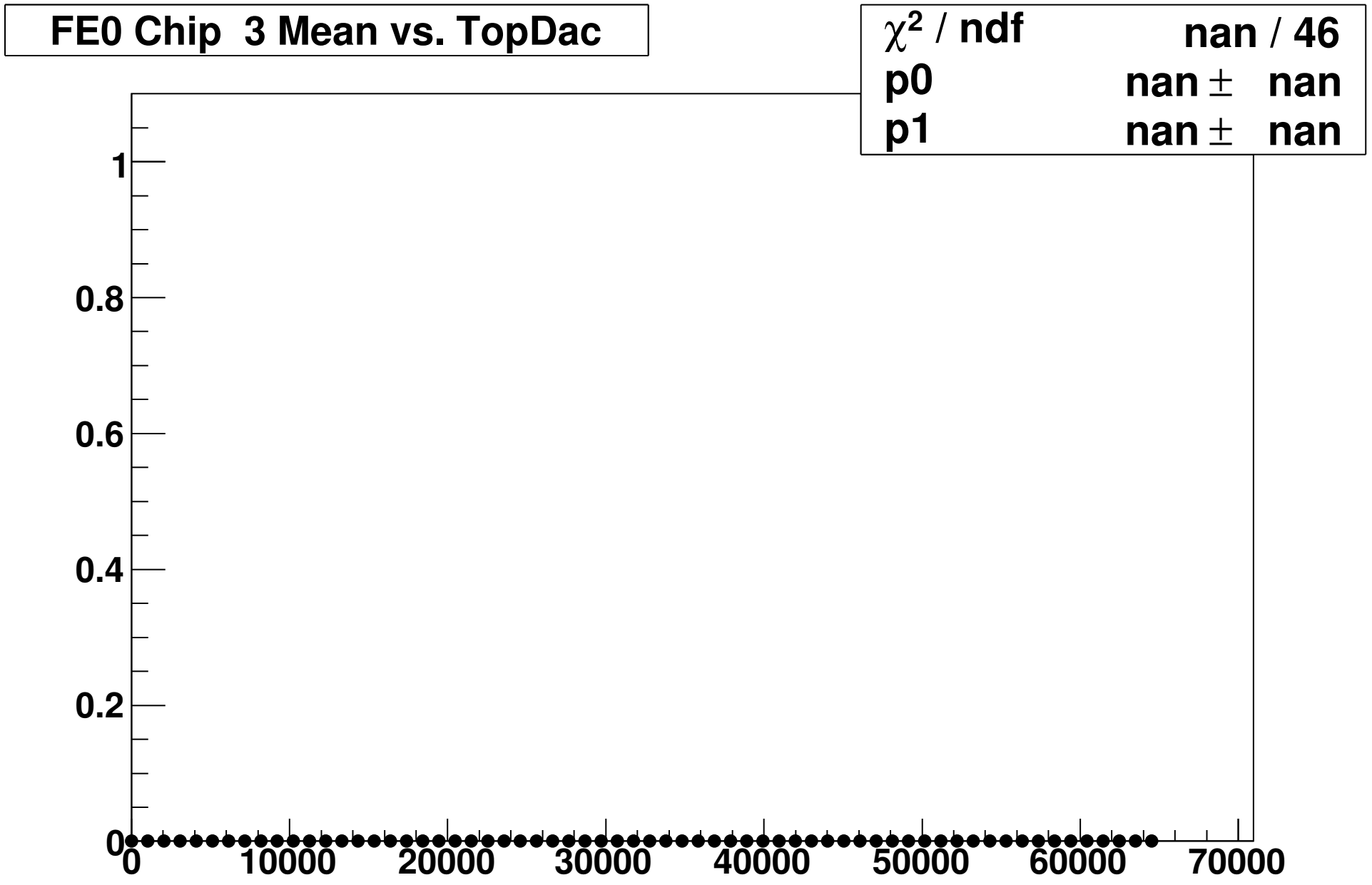
FE0 Chip 3 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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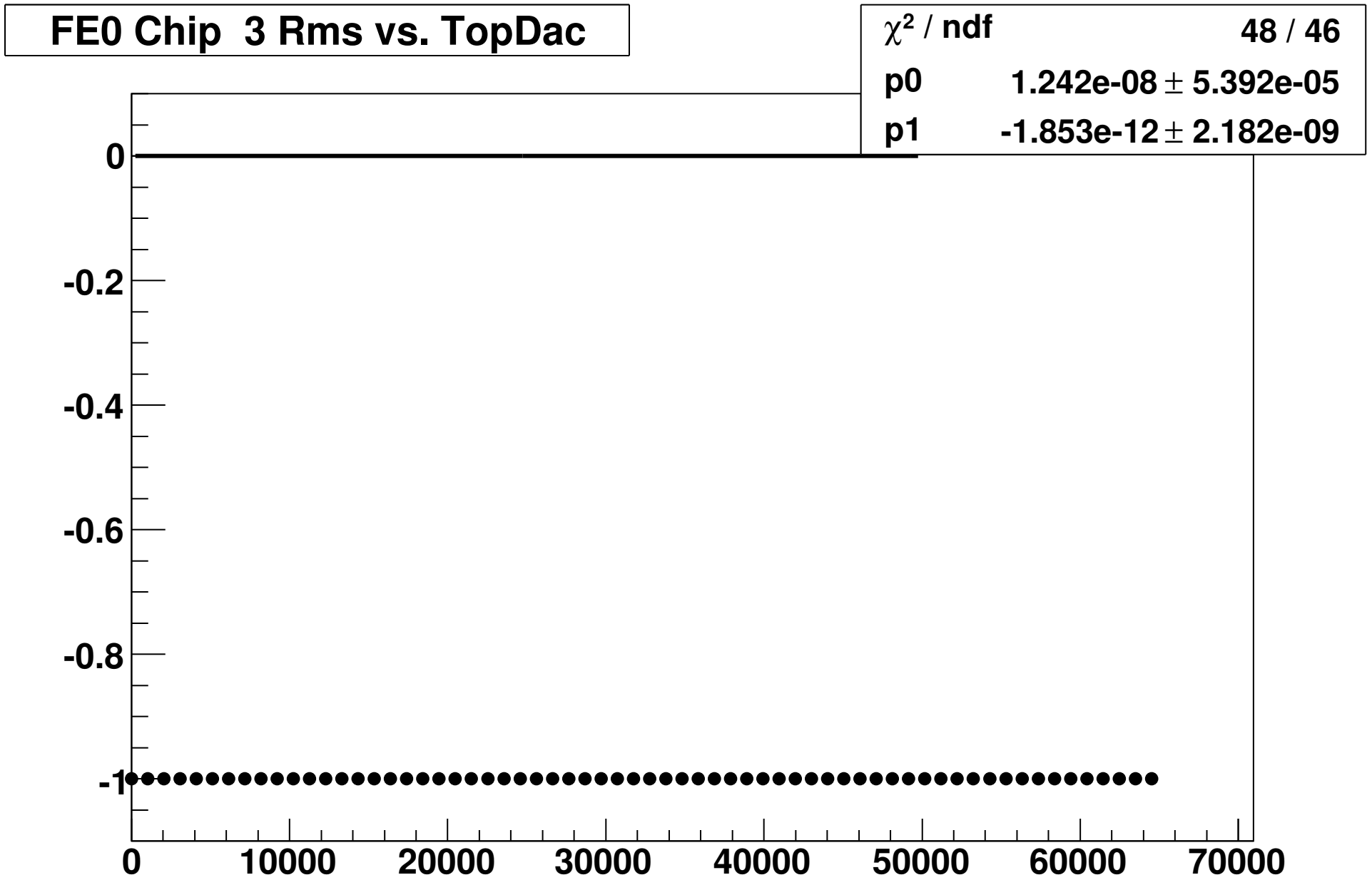
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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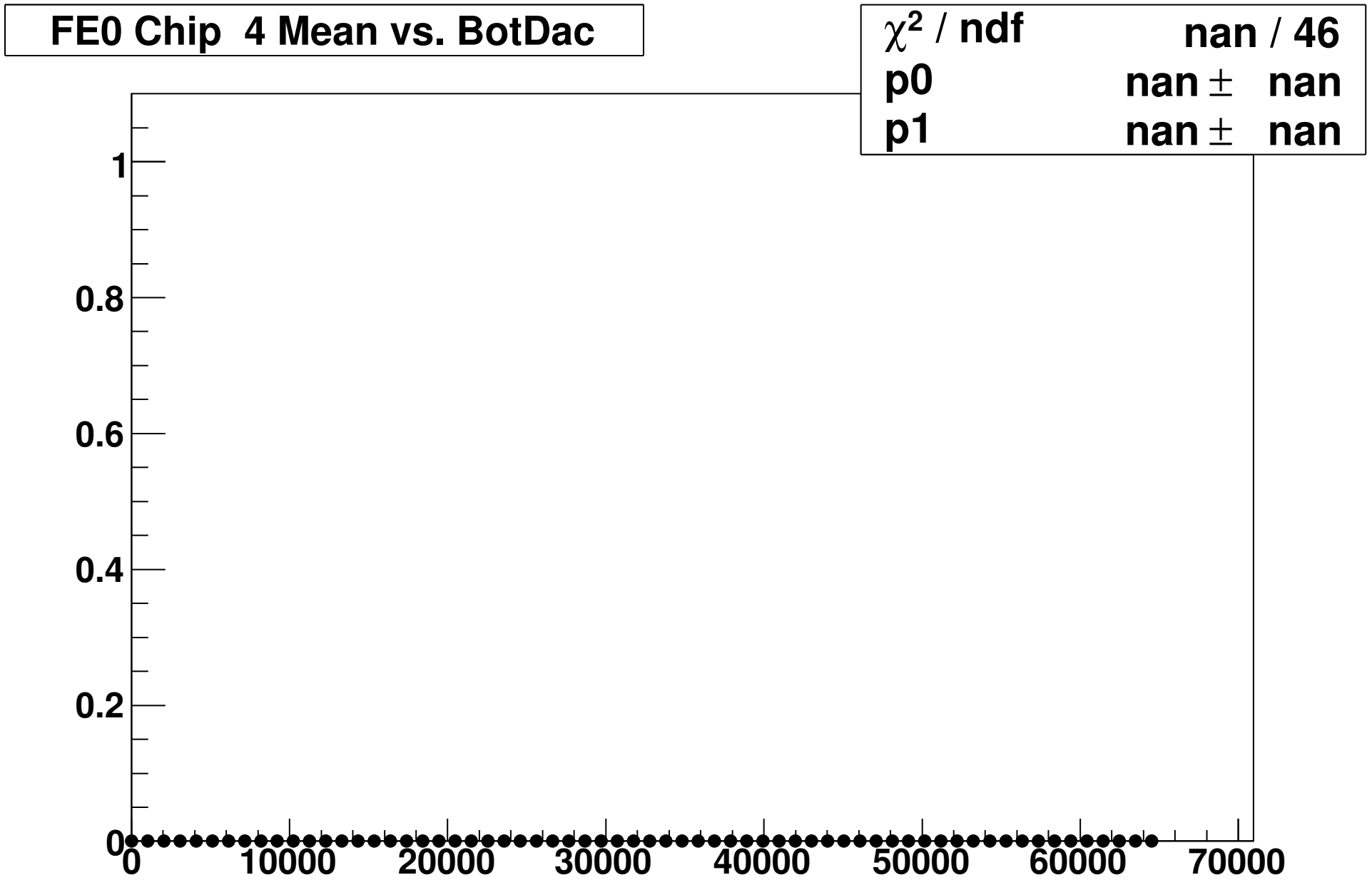
FE0 Chip 4 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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0.6
0.4
0.2
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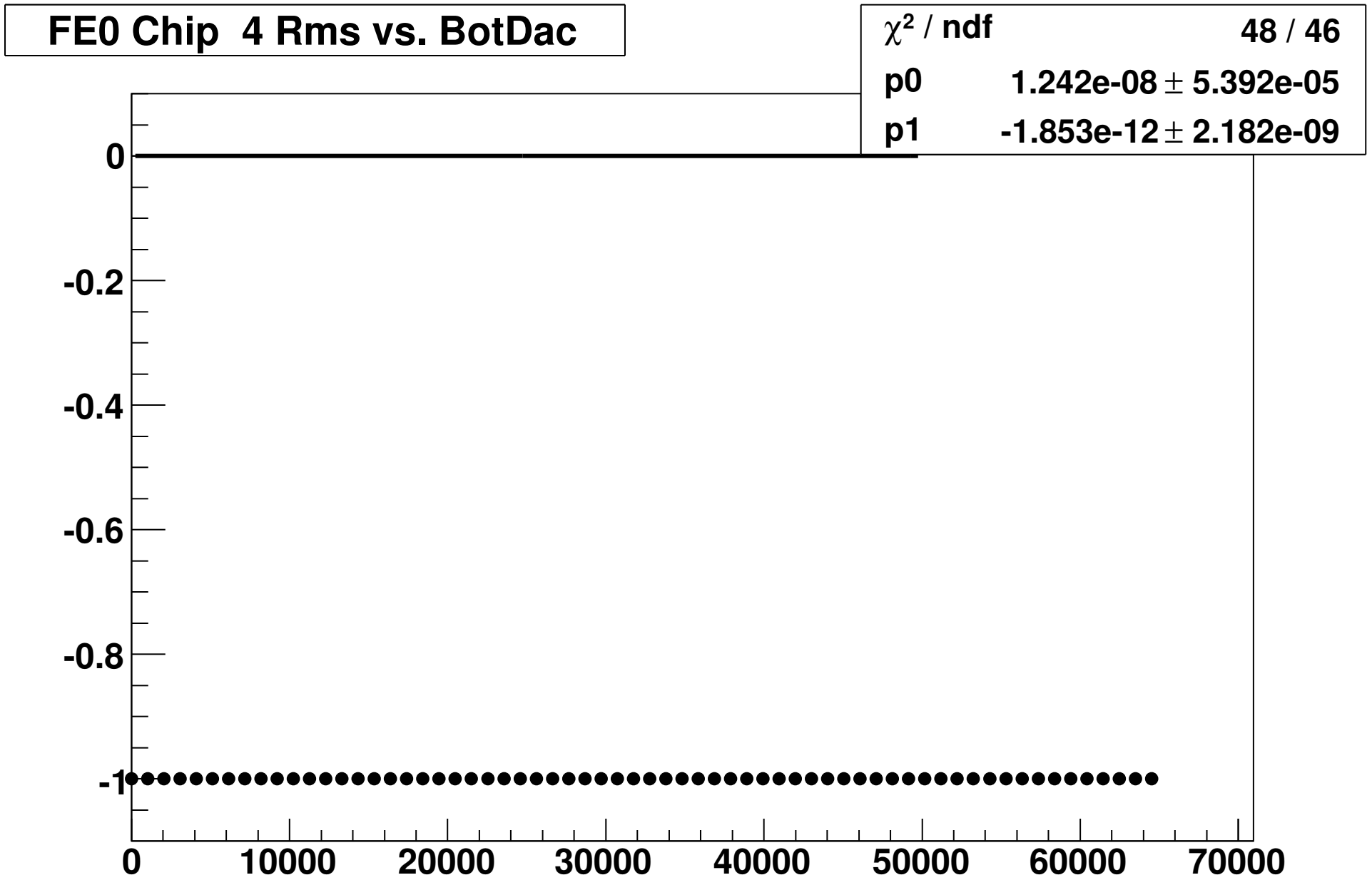
FE0 Chip 4 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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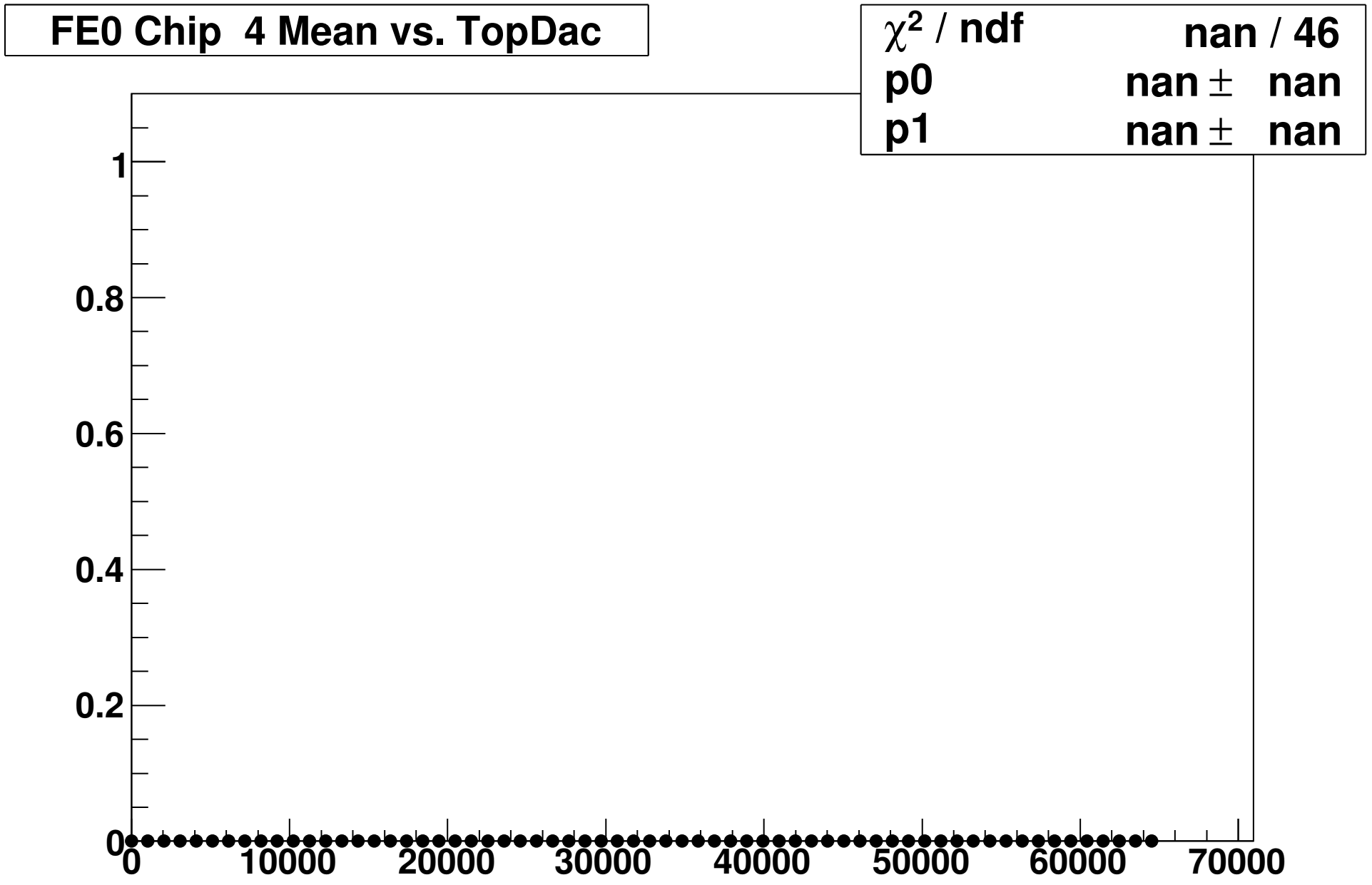
FE0 Chip 4 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
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0.6
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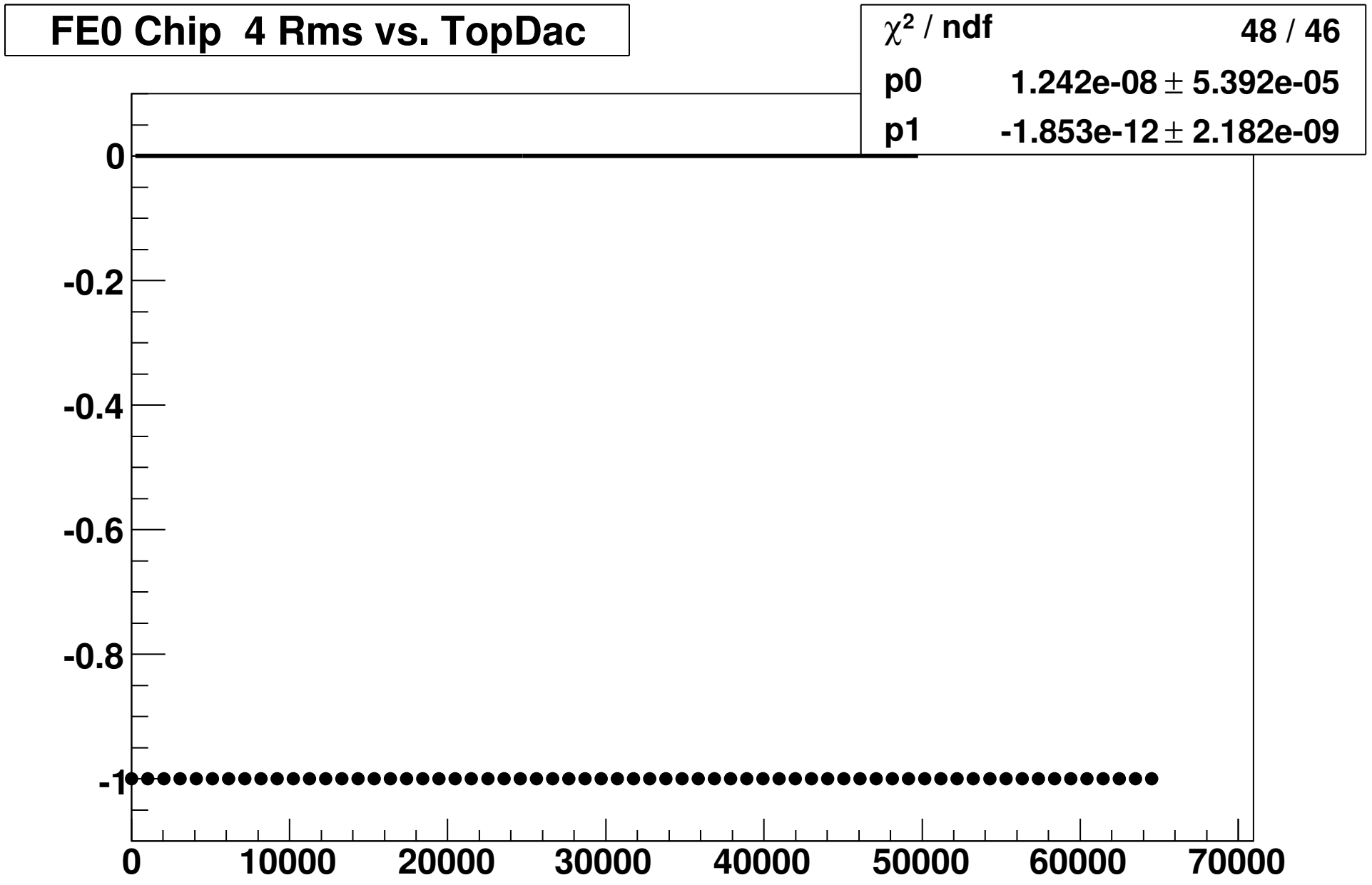
FE0 Chip 4 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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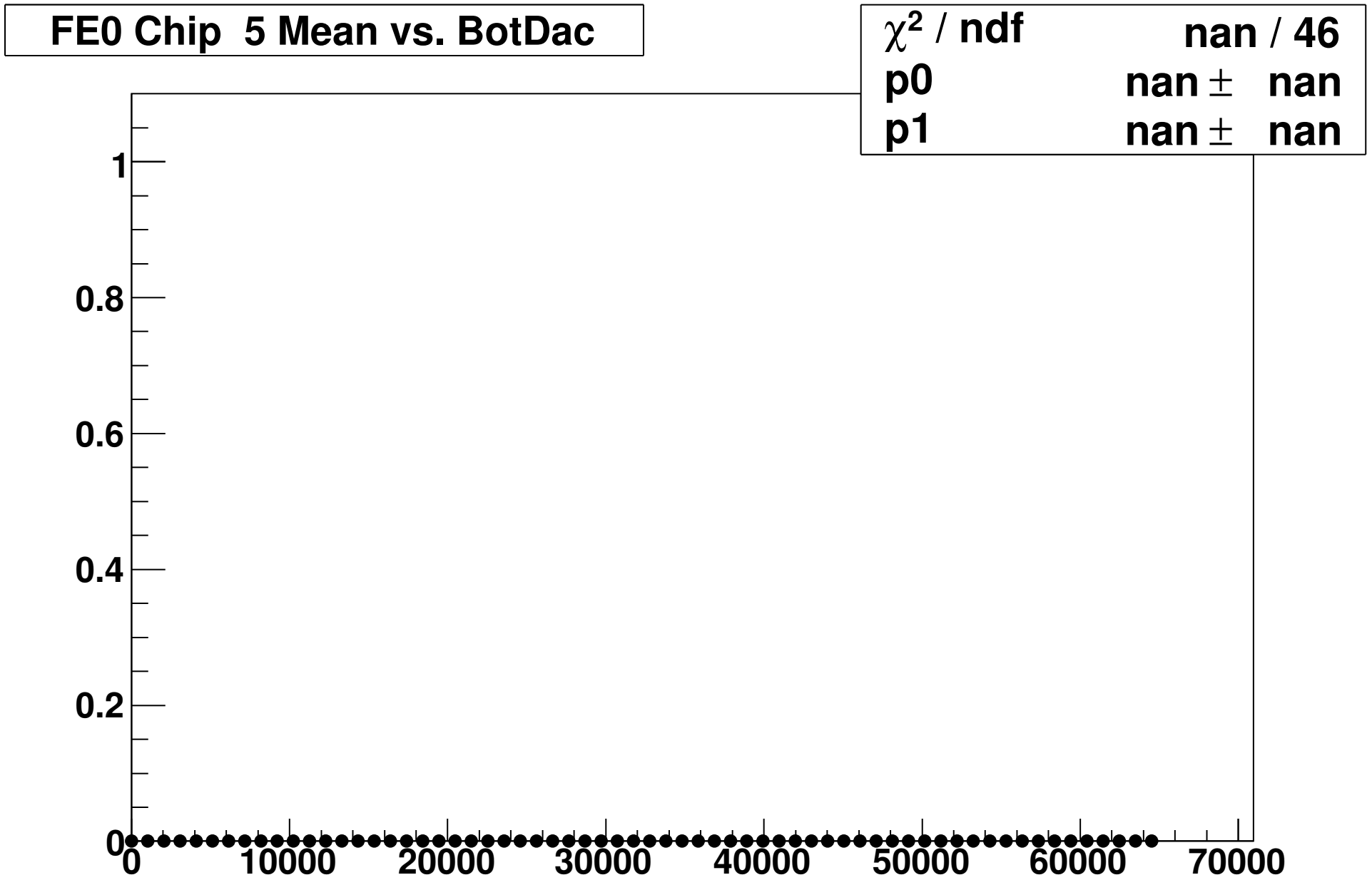
FE0 Chip 5 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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0.8
0.6
0.4
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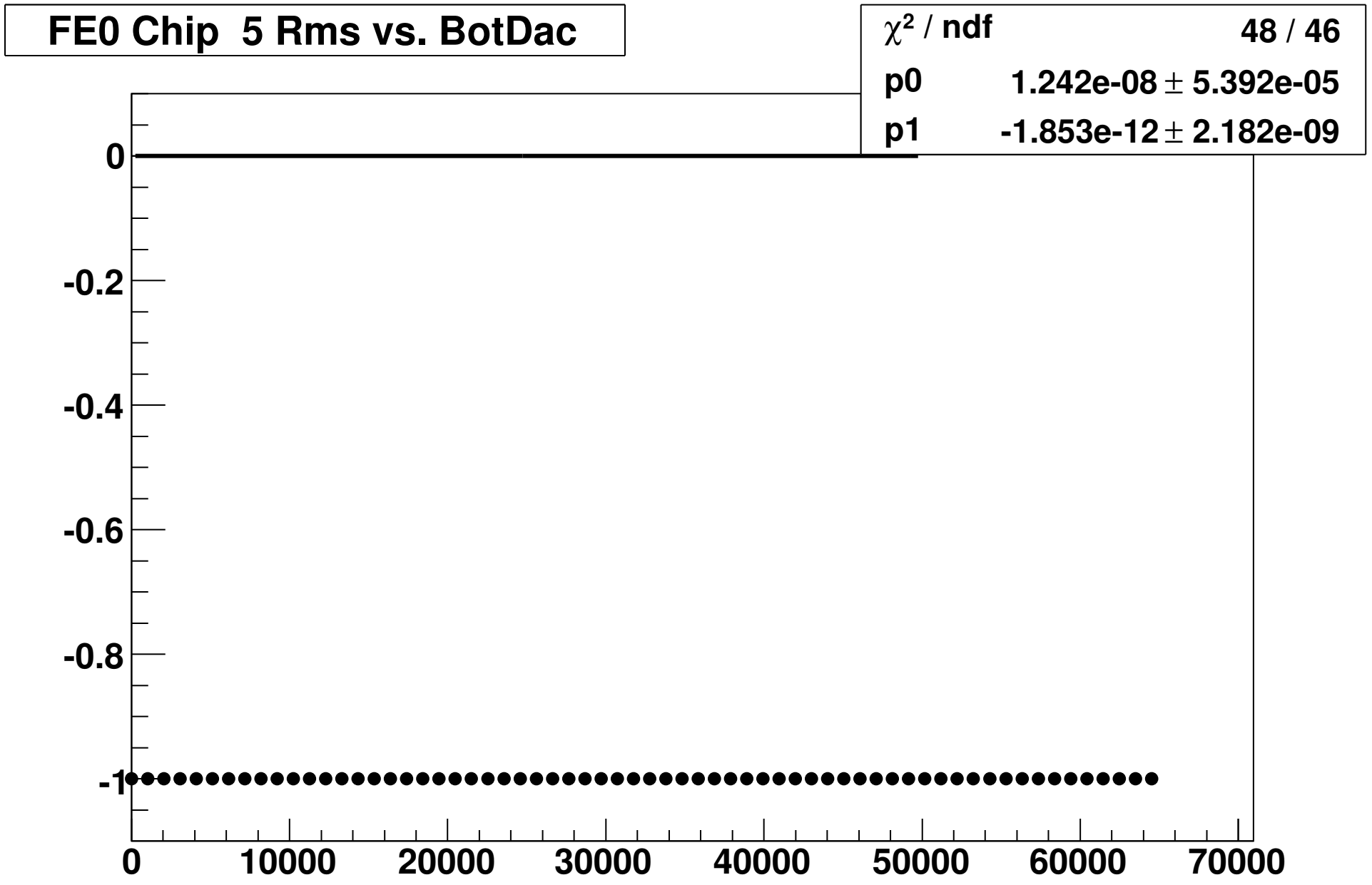
FE0 Chip 5 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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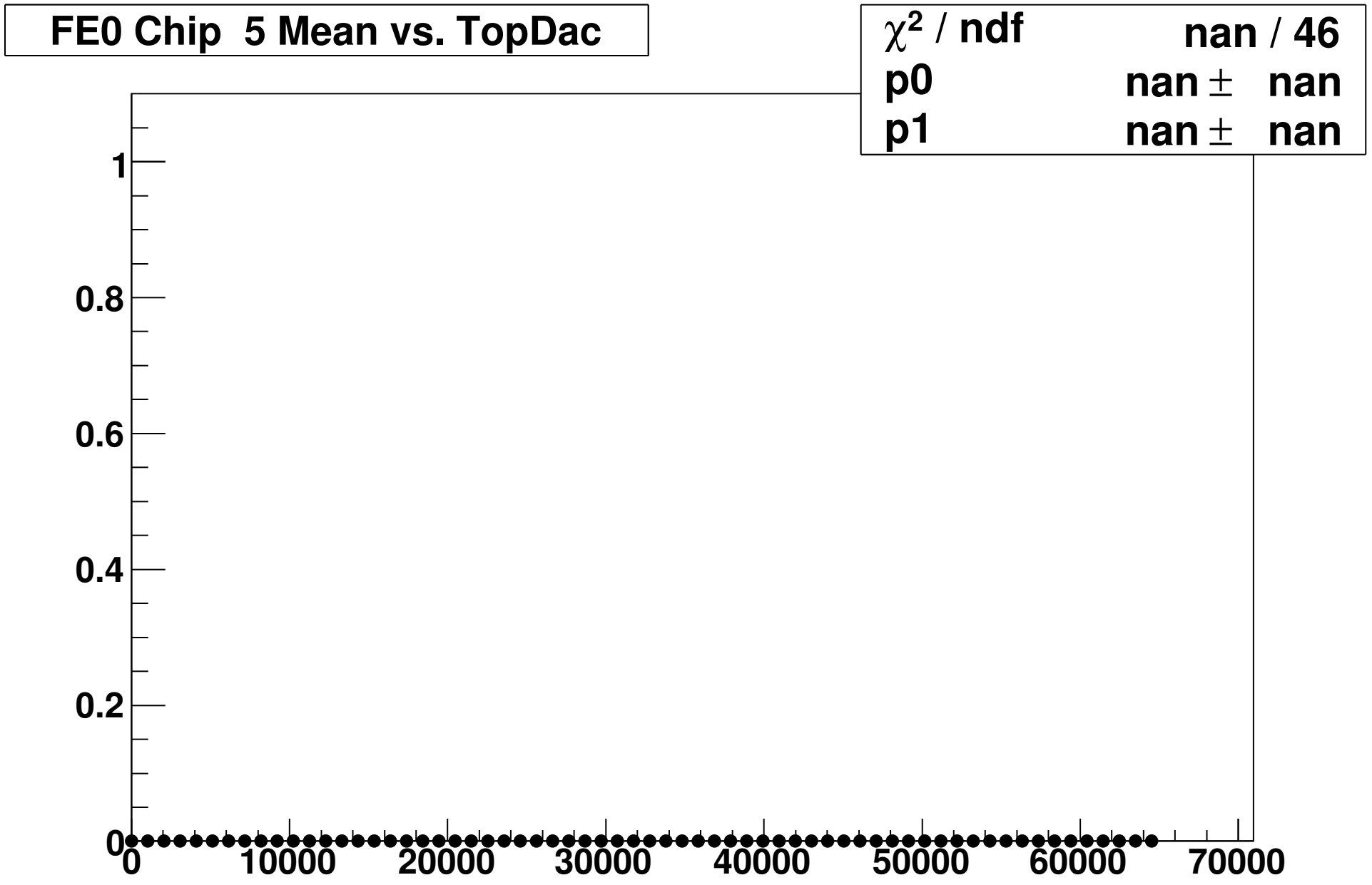
FE0 Chip 5 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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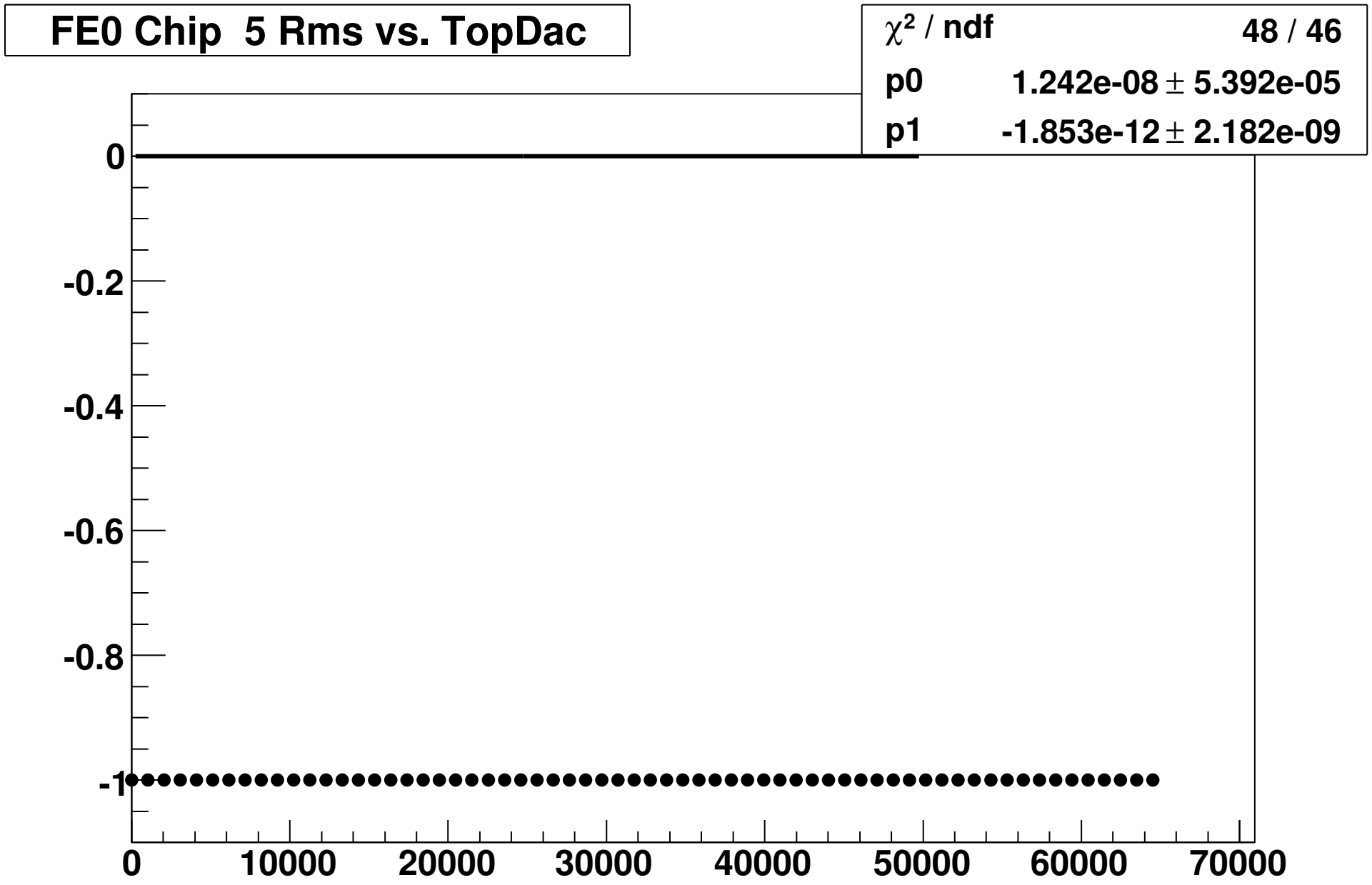
FE0 Chip 5 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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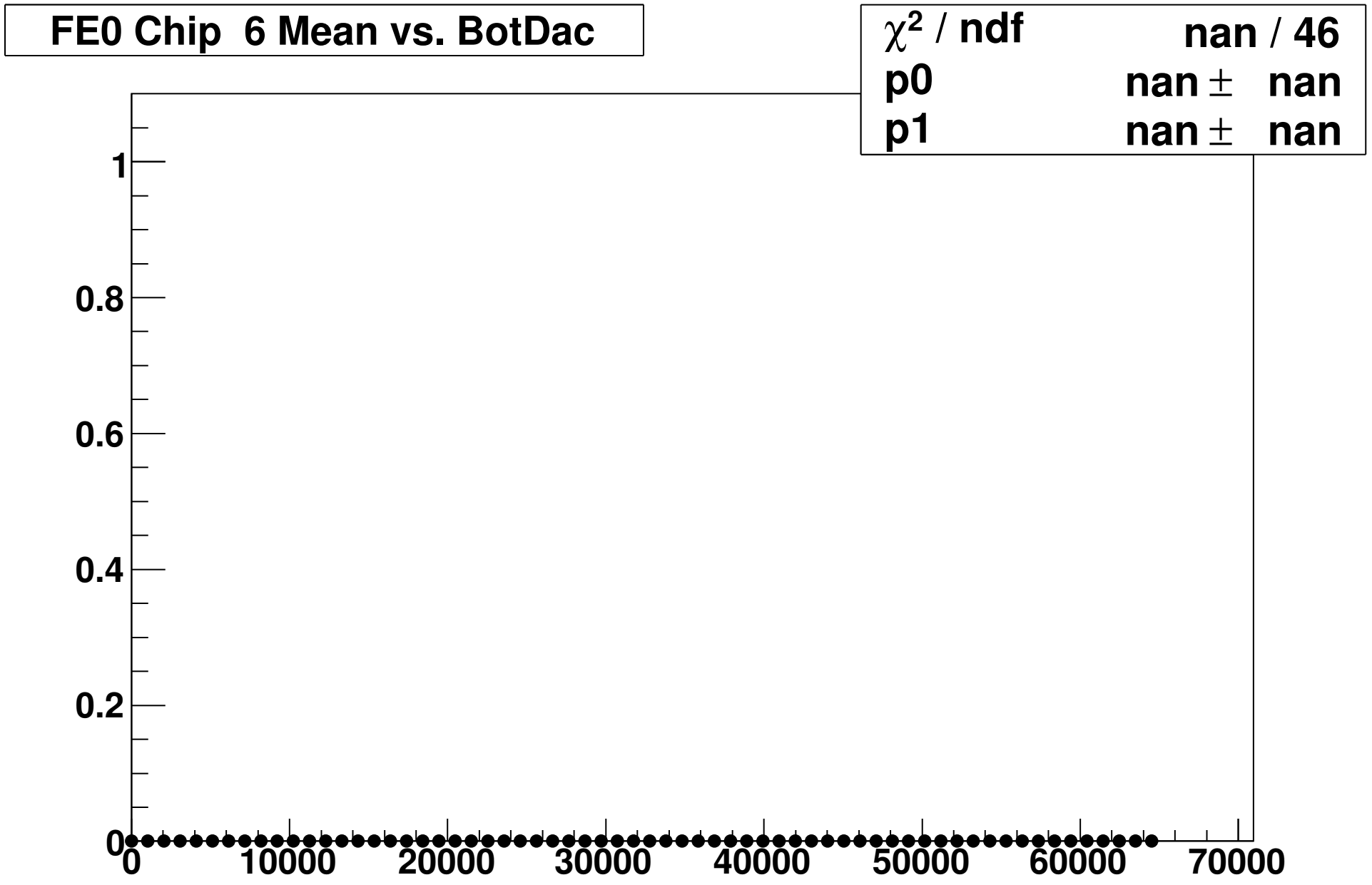
FE0 Chip 6 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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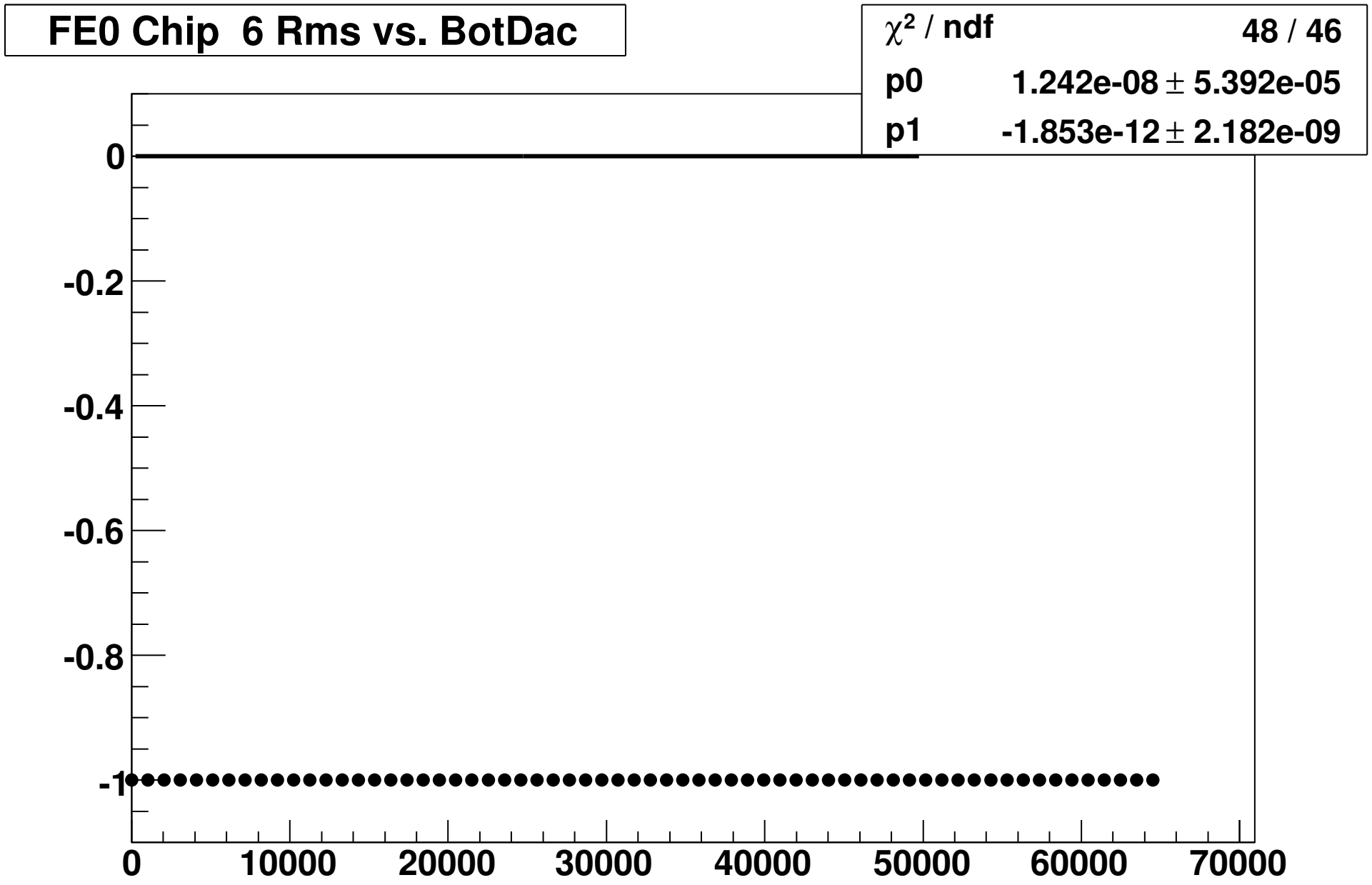
FE0 Chip 6 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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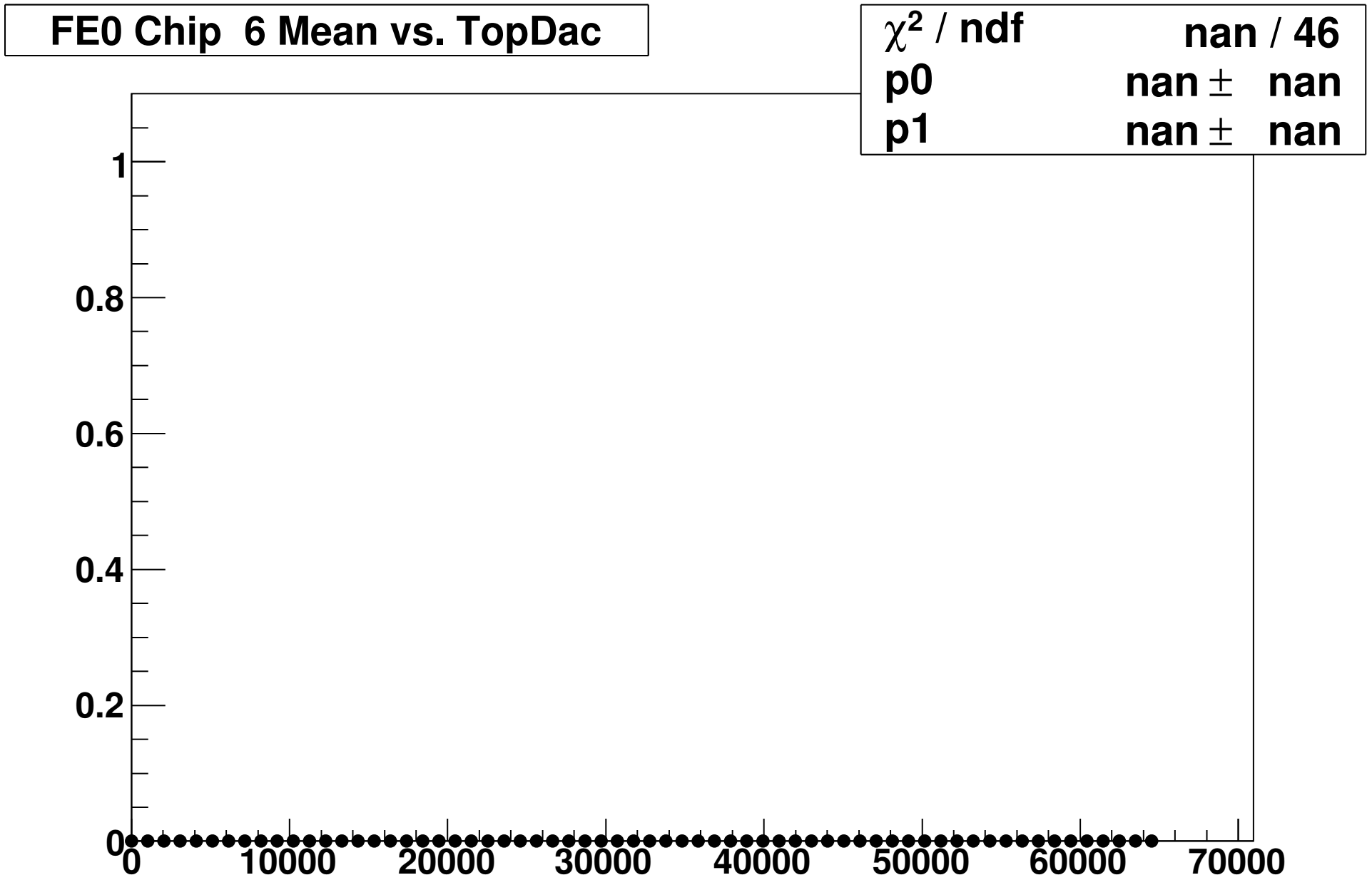
FE0 Chip 6 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
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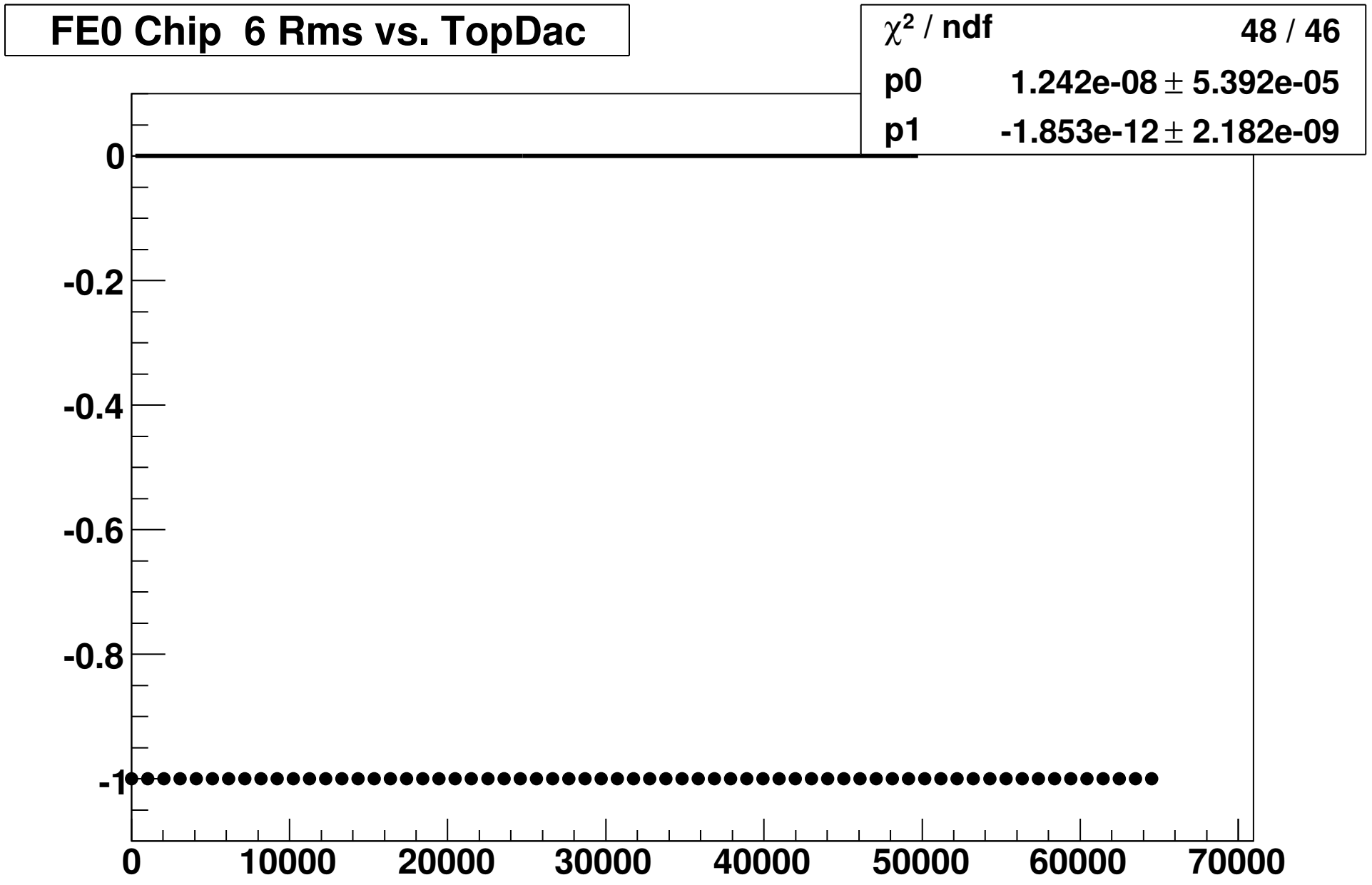
FE0 Chip 6 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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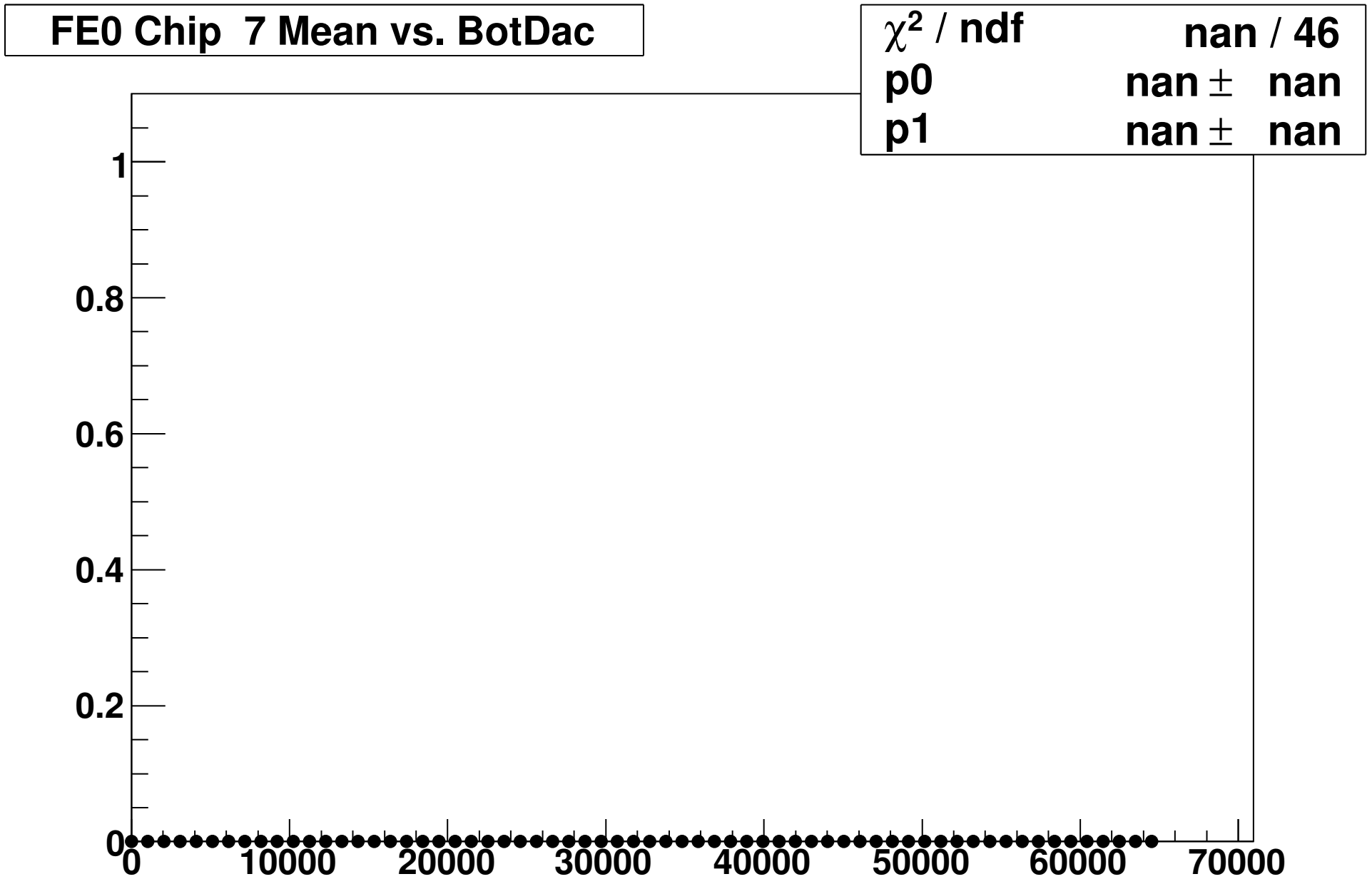
FE0 Chip 7 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
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0.6
0.4
0.2
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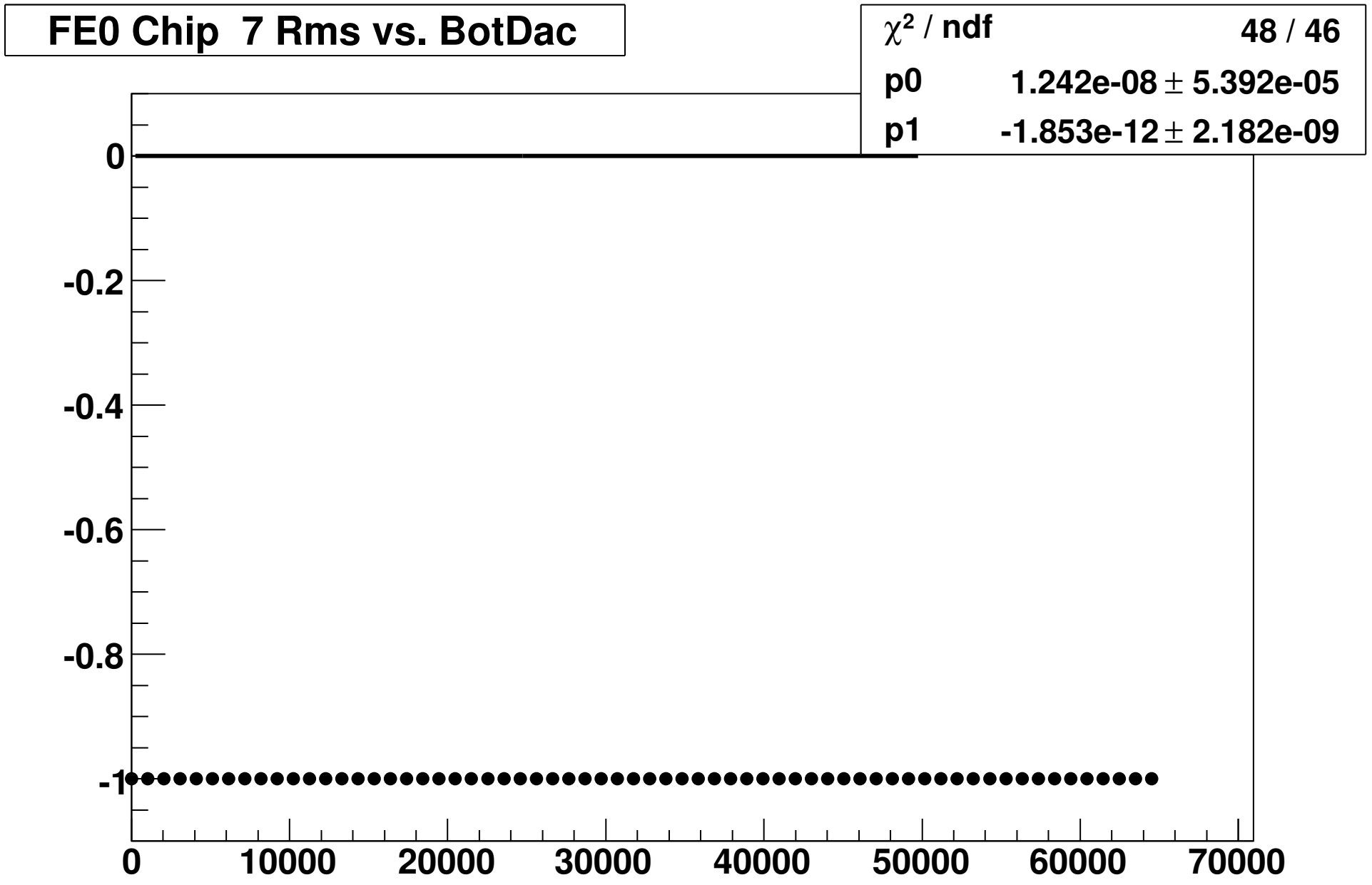
FE0 Chip 7 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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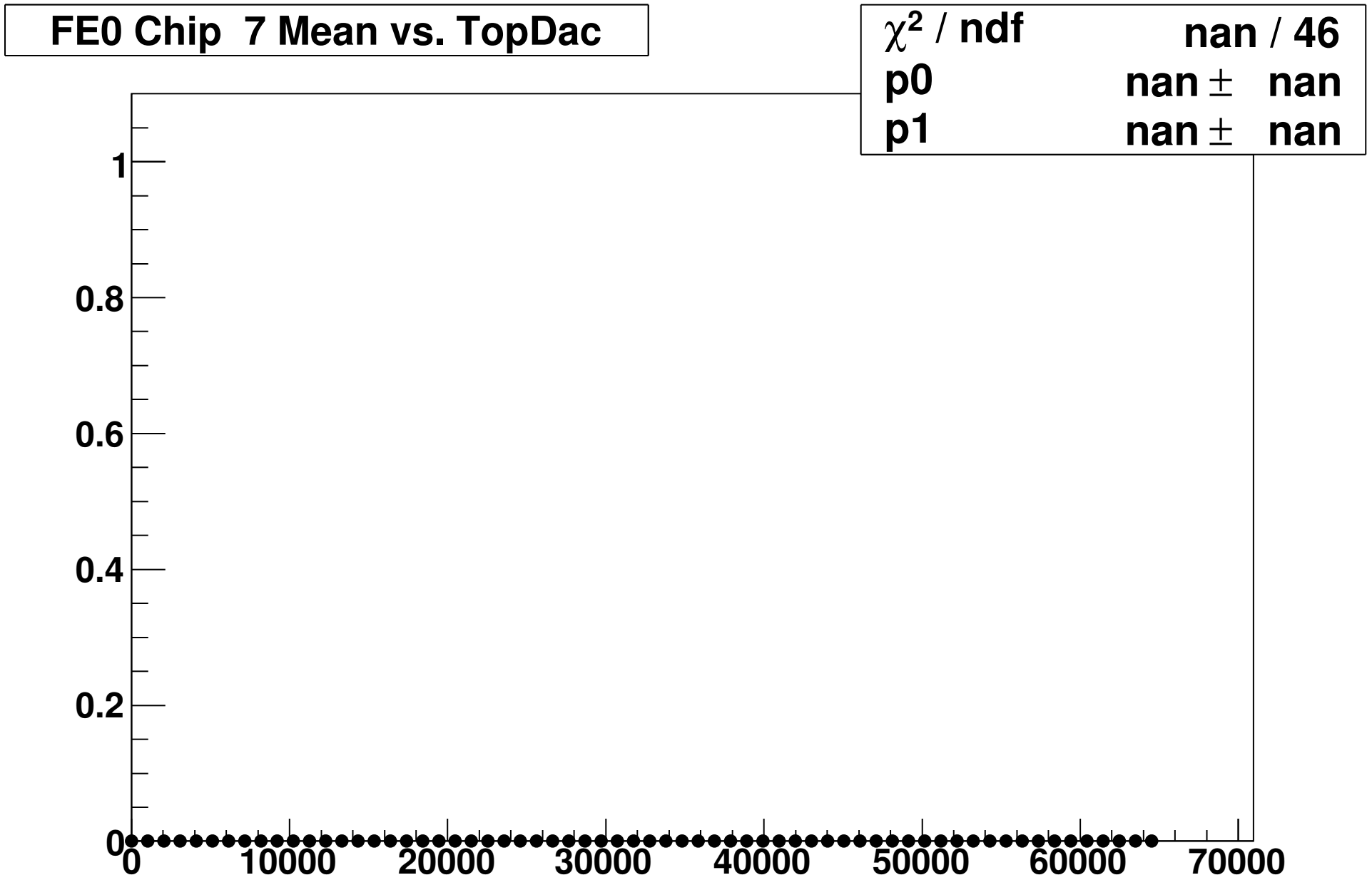
FE0 Chip 7 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
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0.6
0.4
0.2
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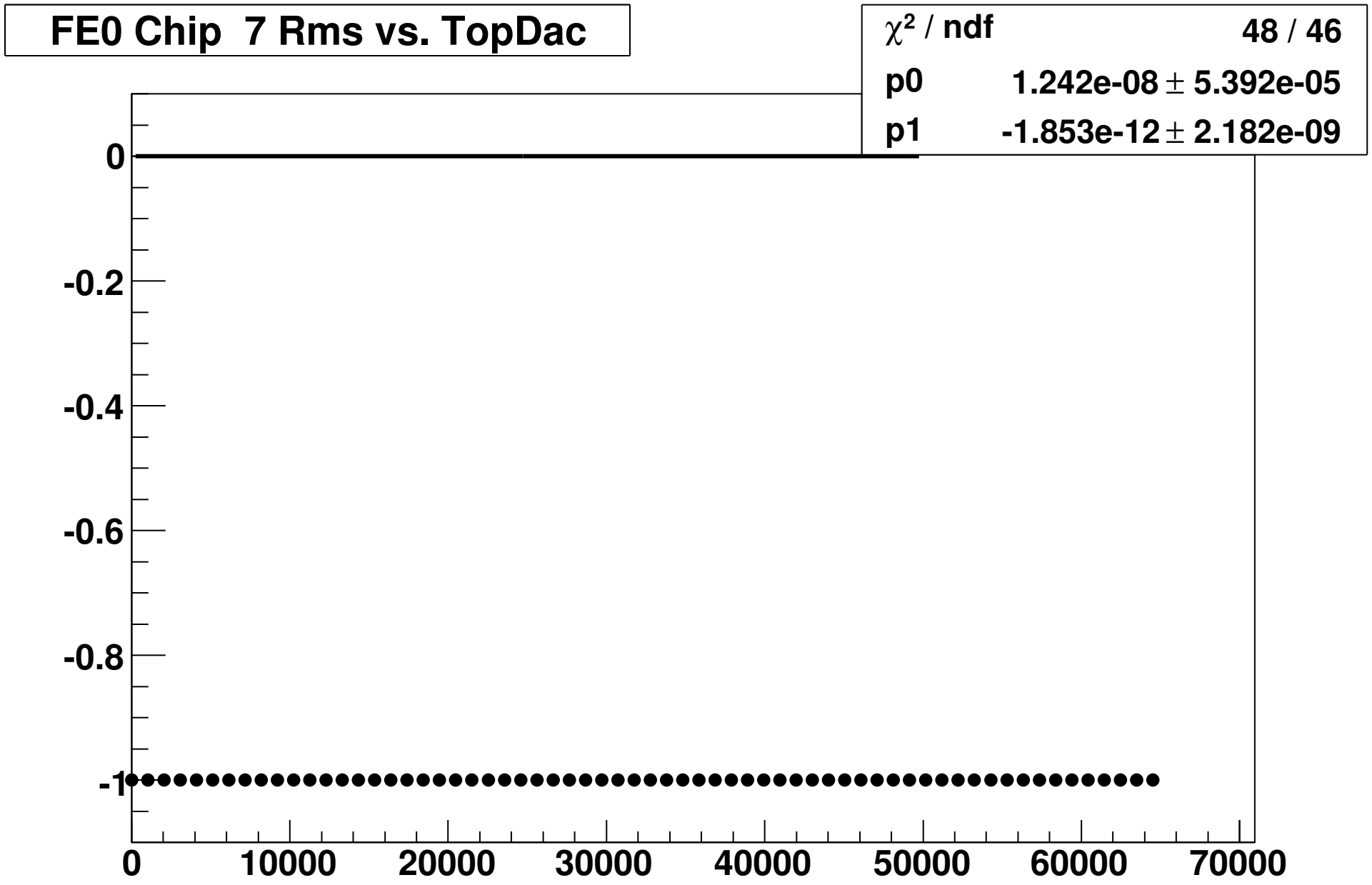
FE0 Chip 7 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
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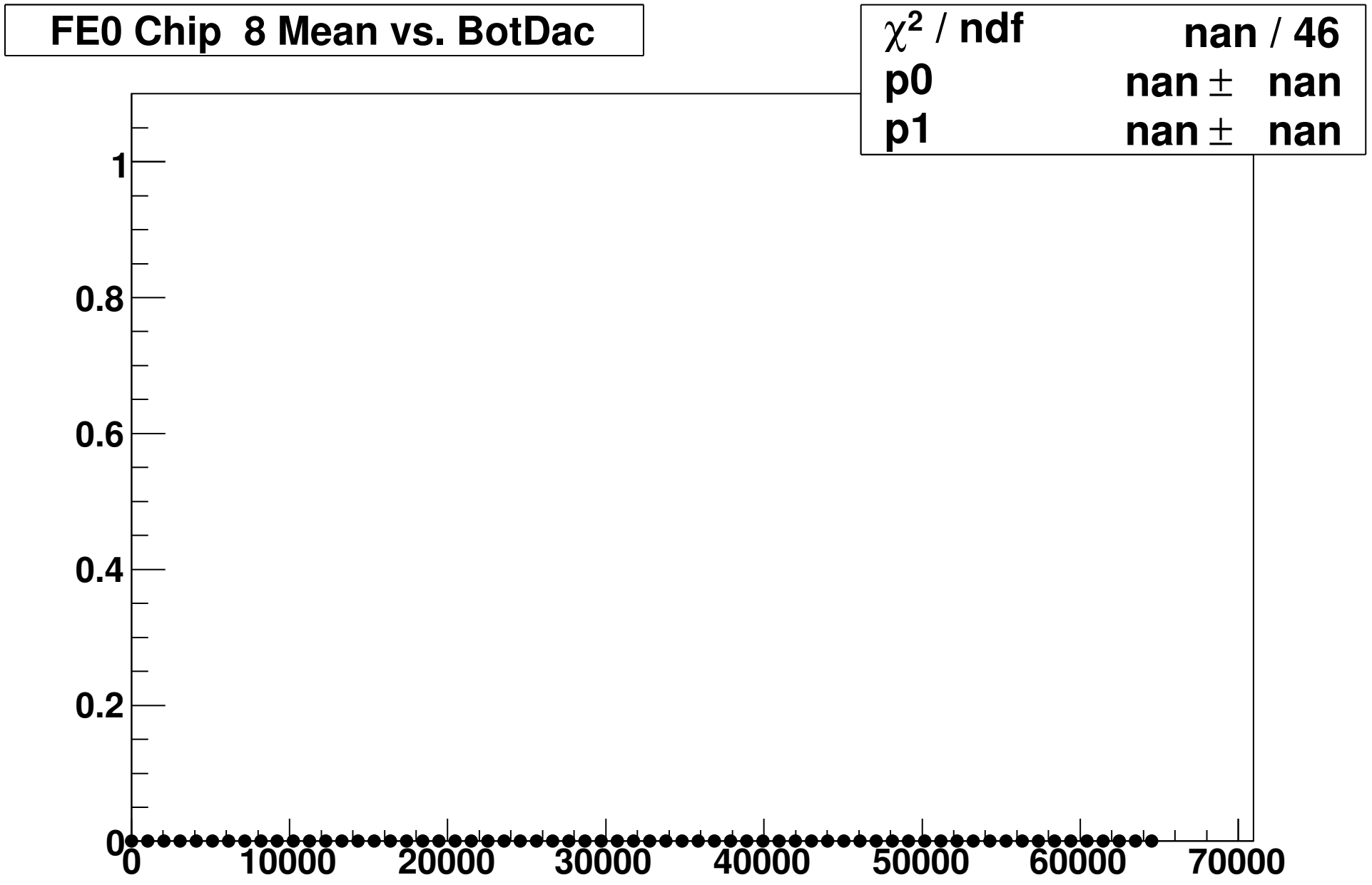
FE0 Chip 8 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
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10000
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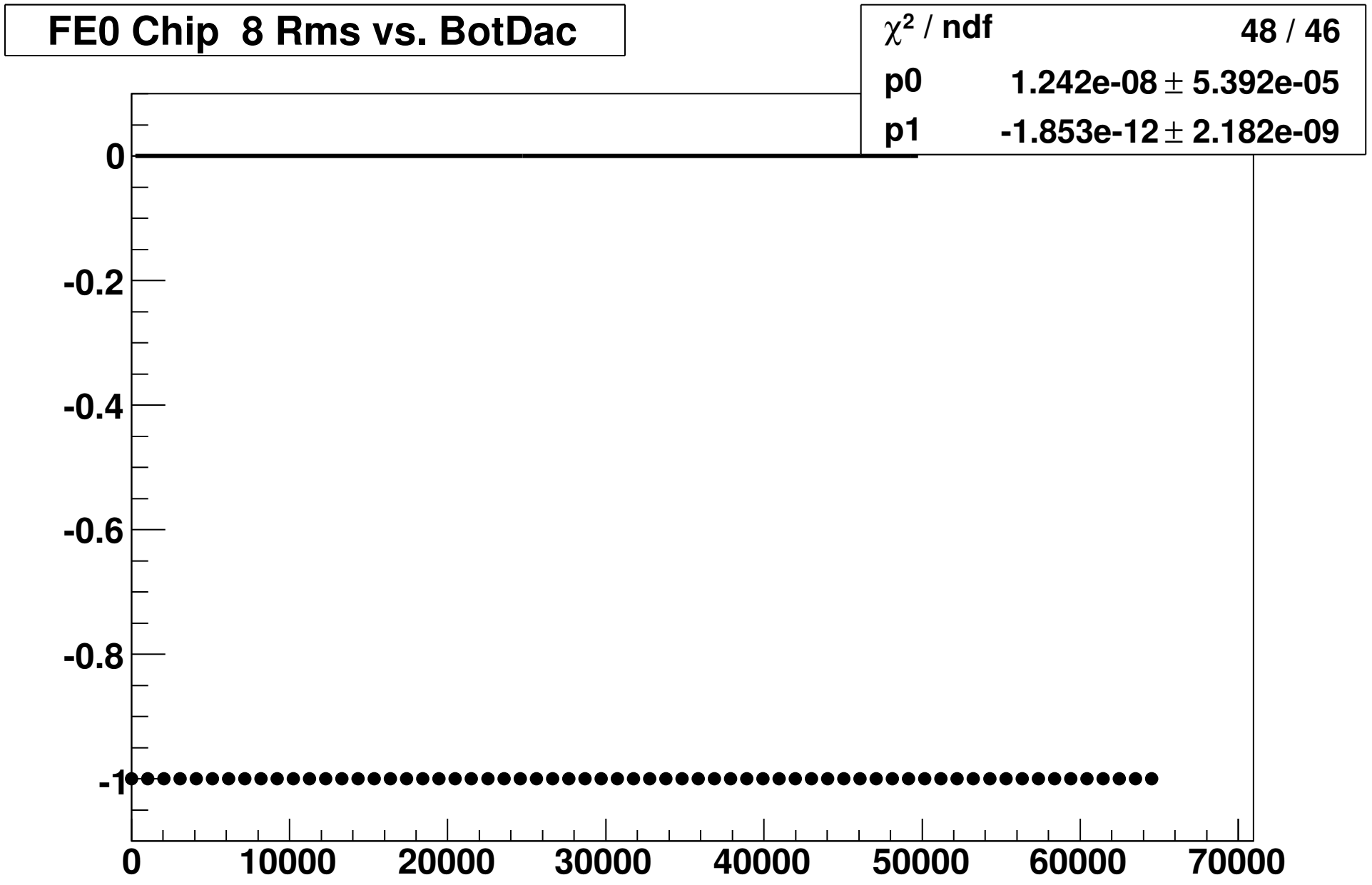
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
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-0.8
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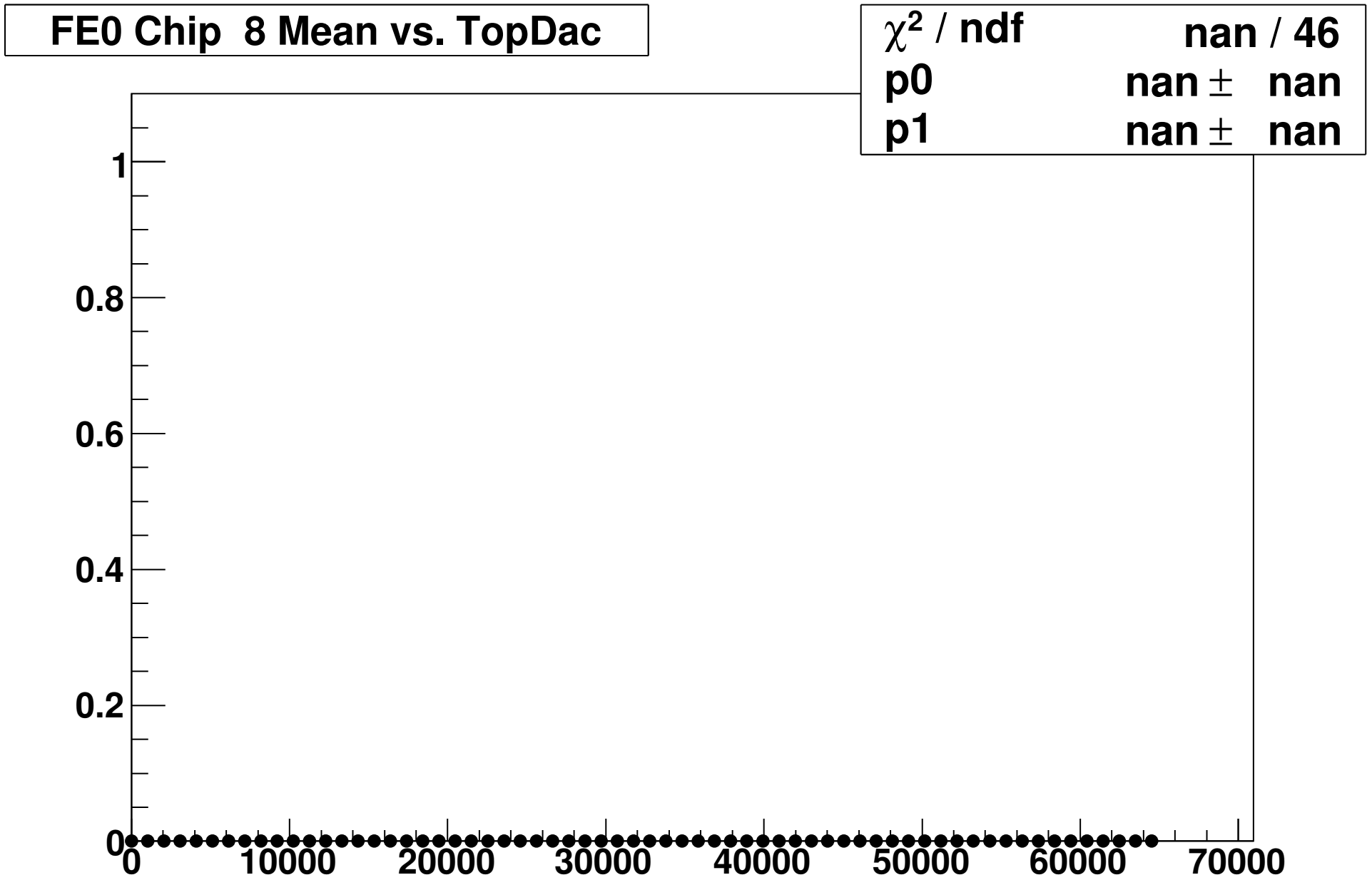
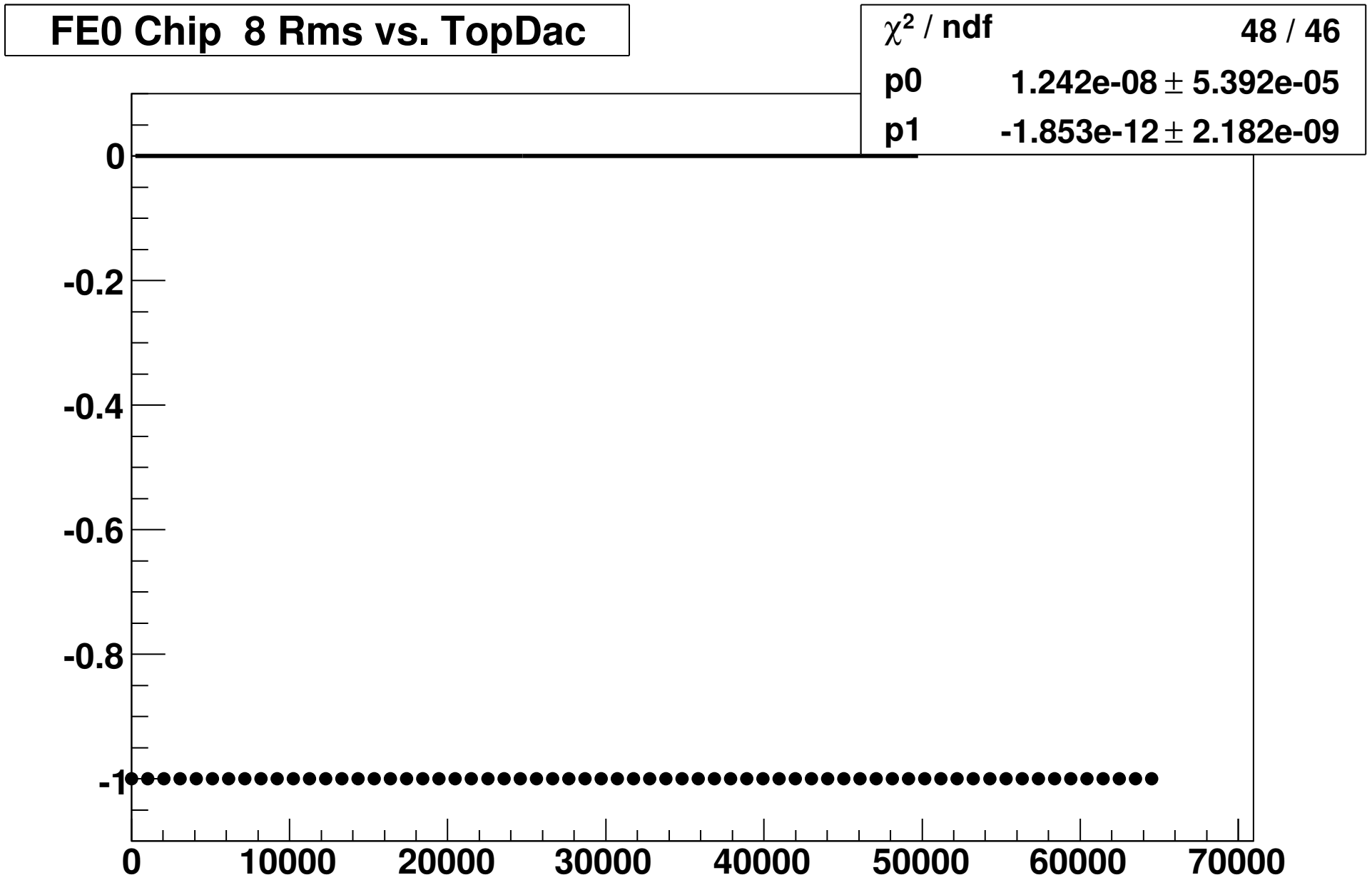
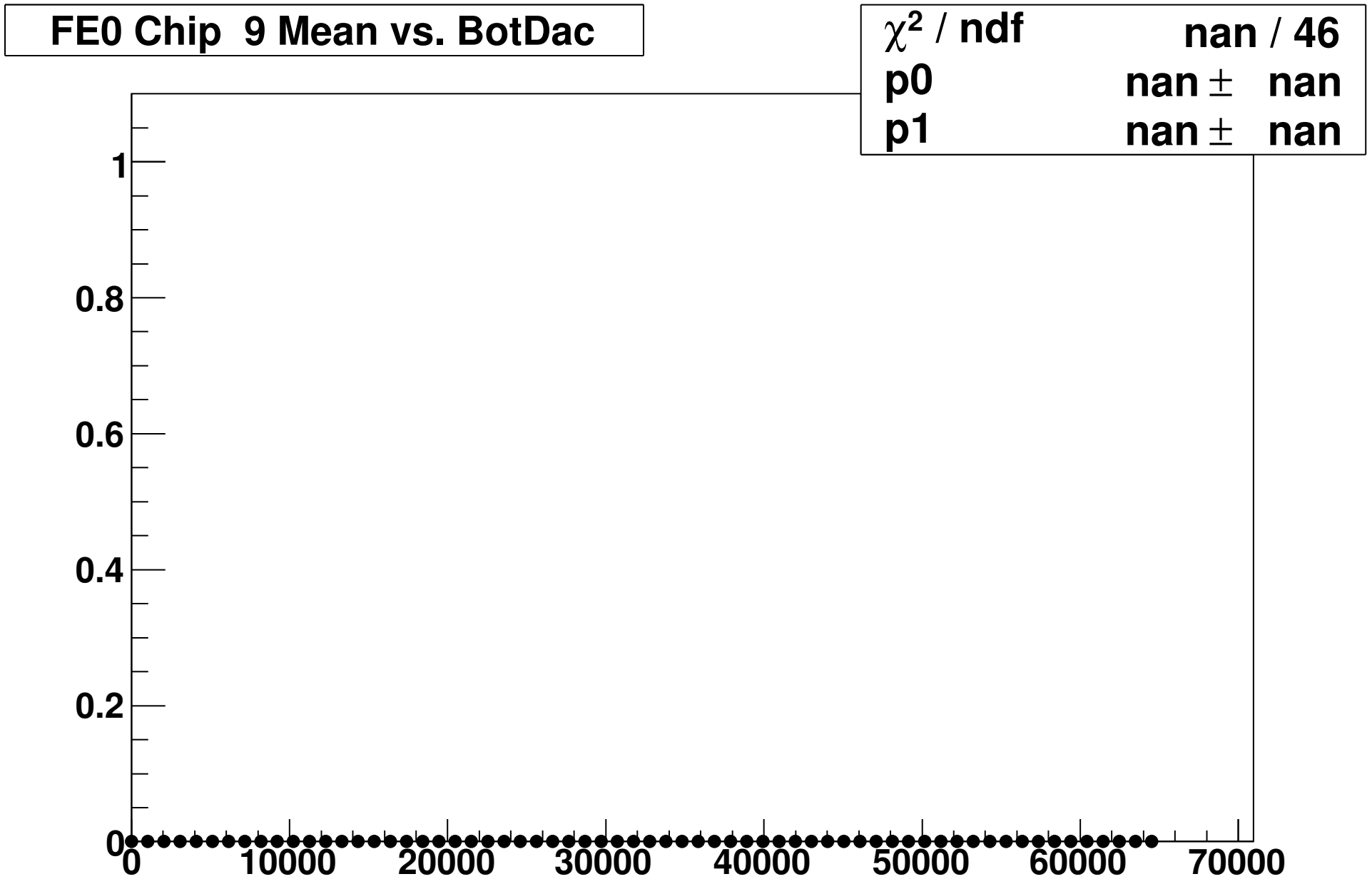
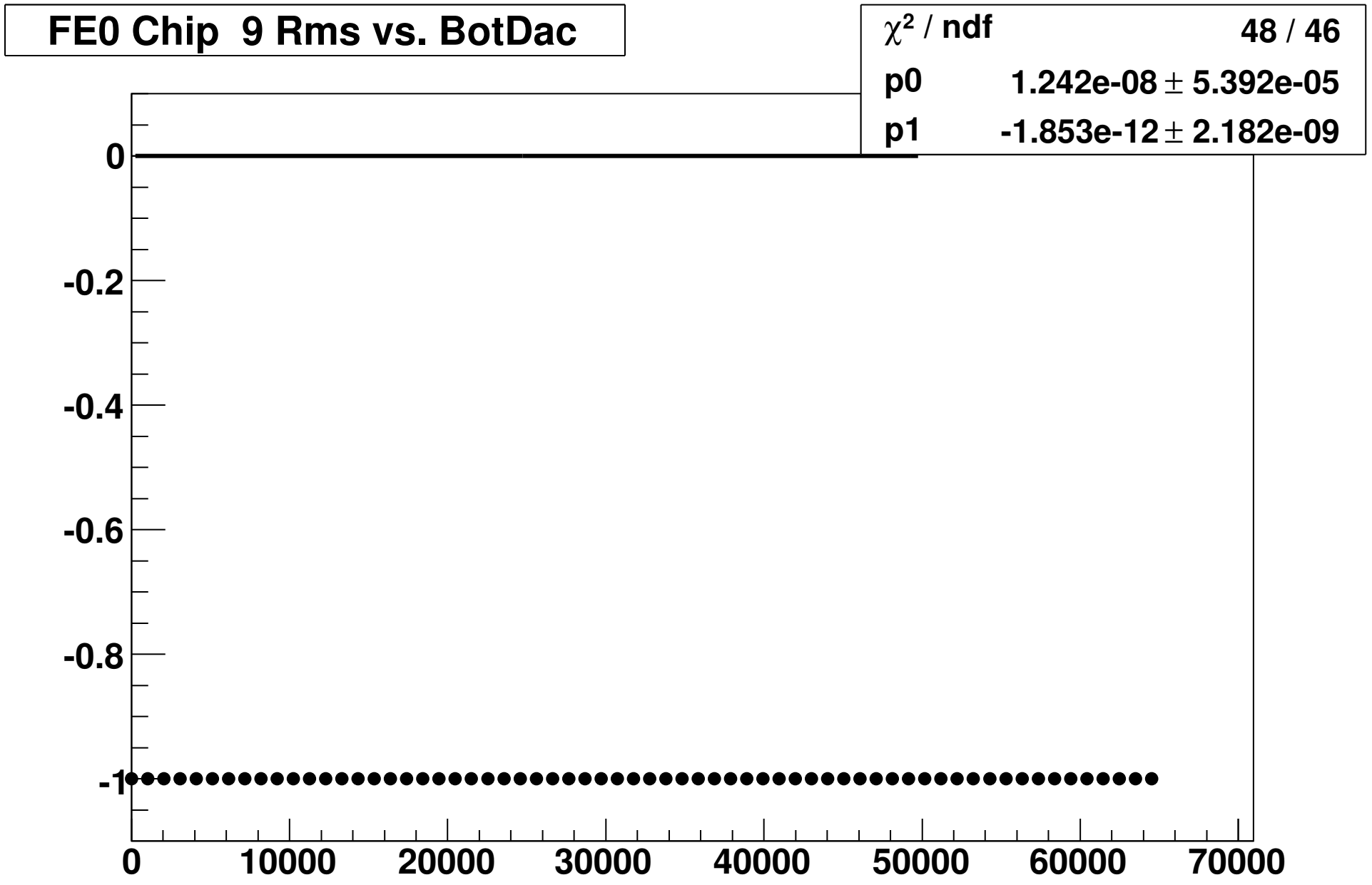

FE0 Chip 8 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
60000
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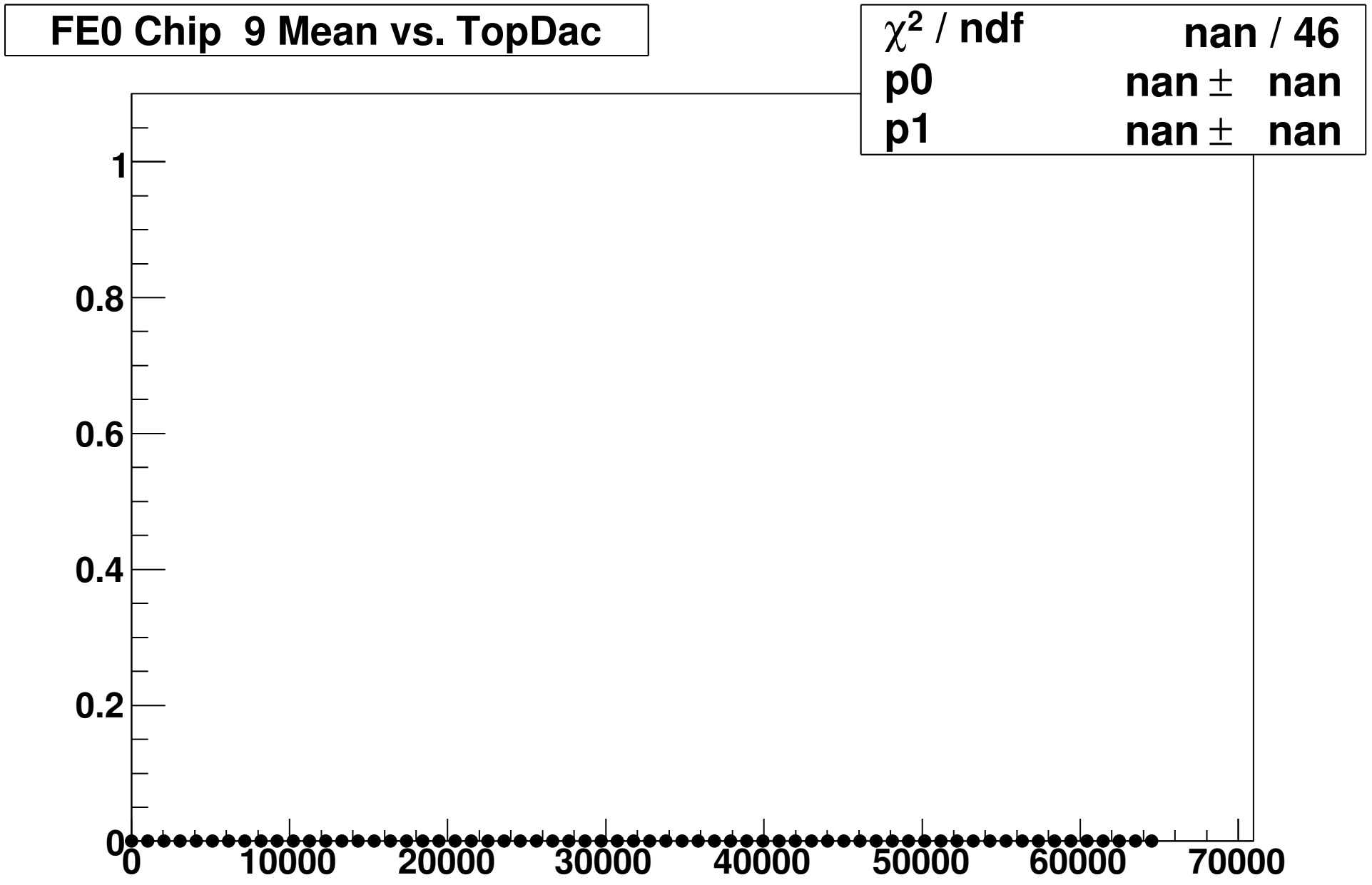
FE0 Chip 9 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
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0
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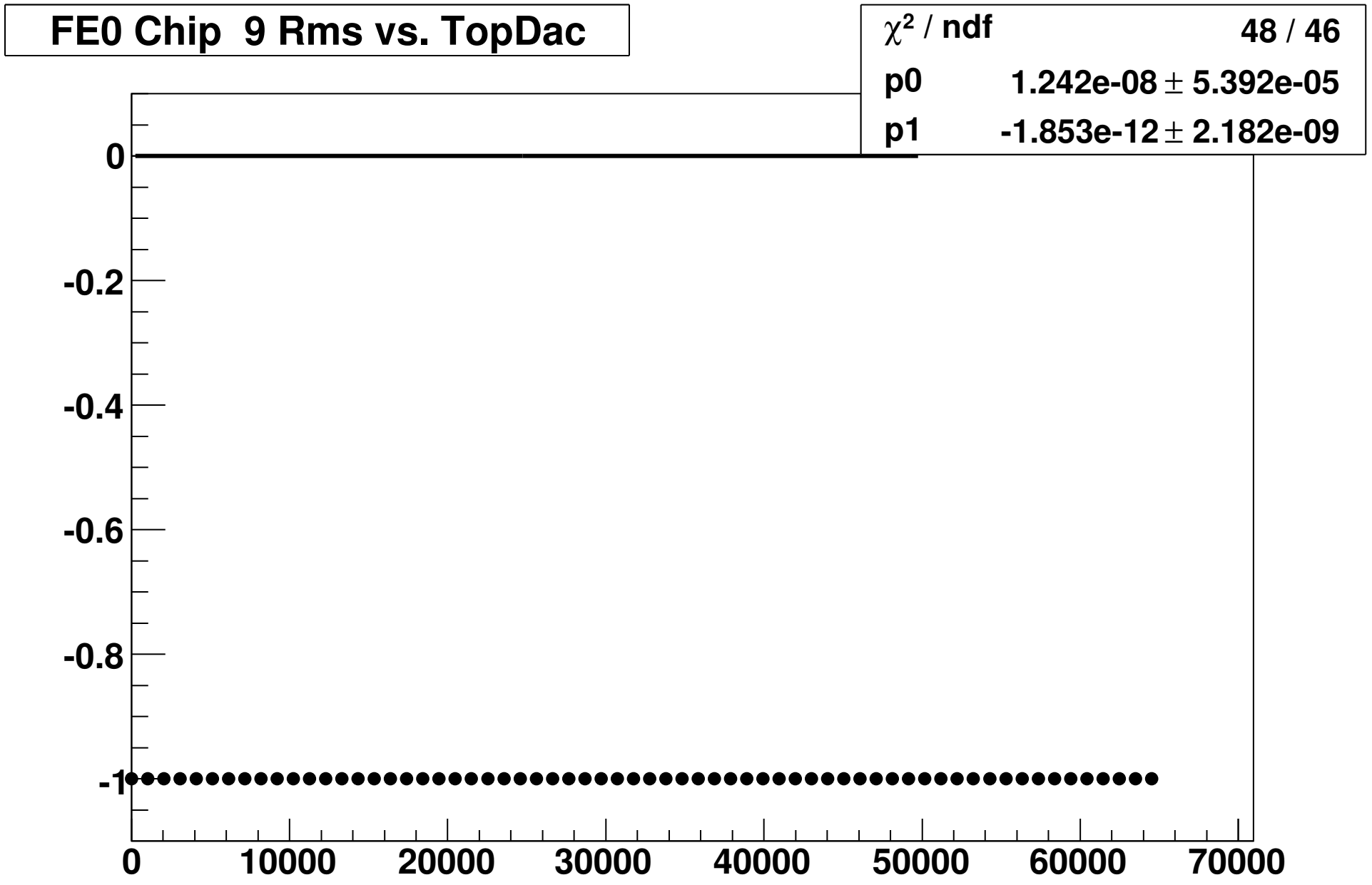
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
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40000
50000
60000
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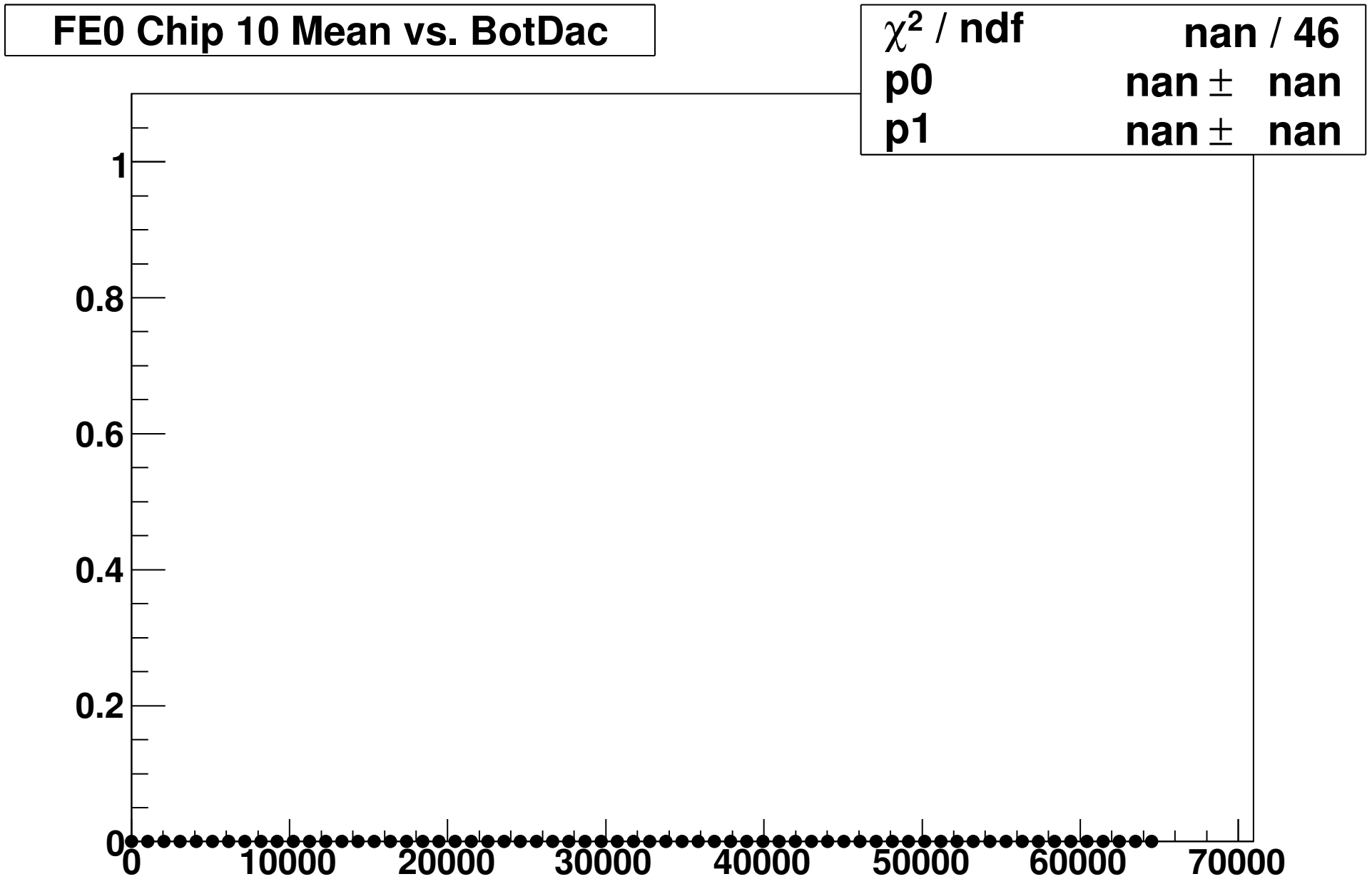
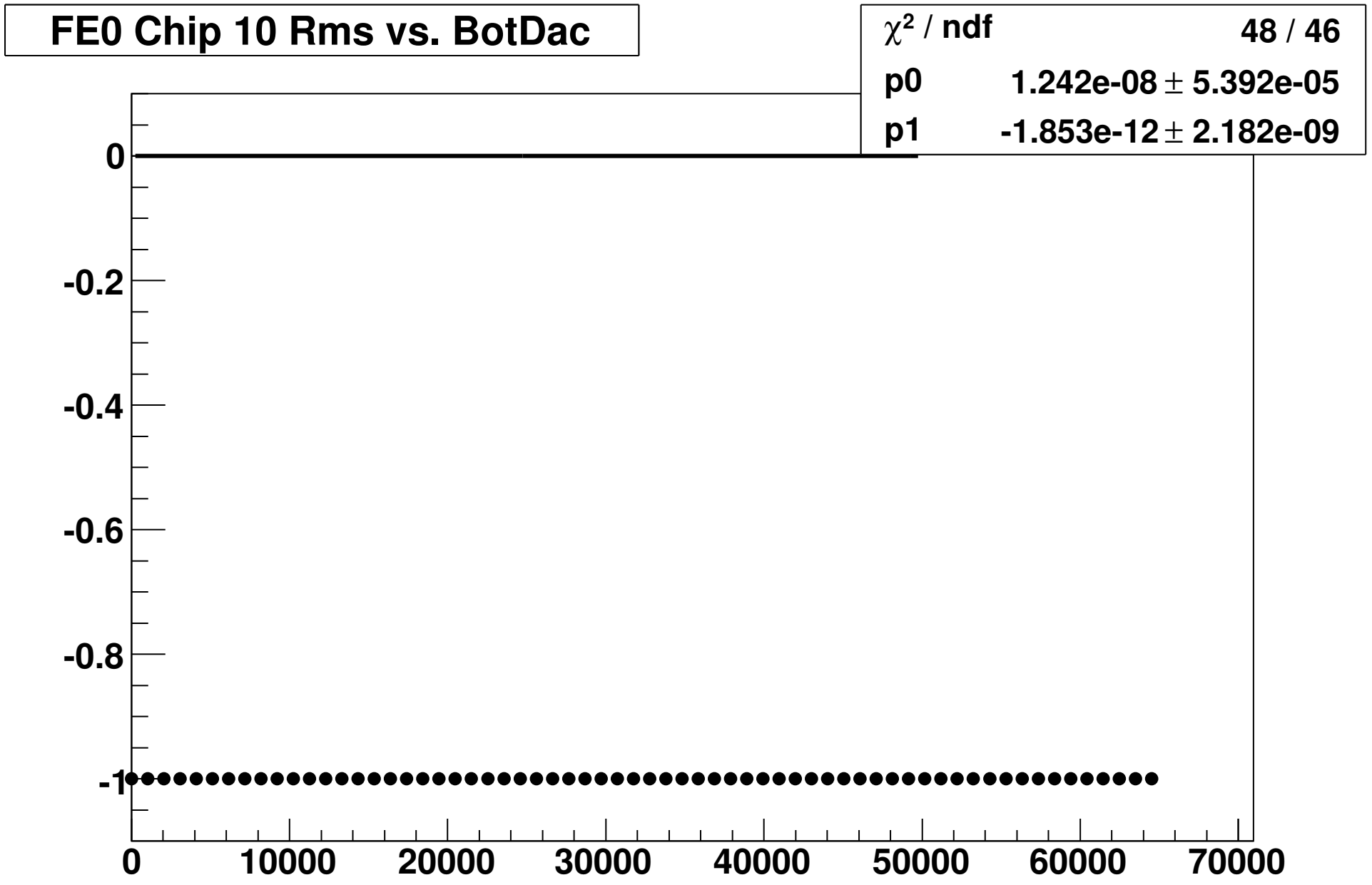

FE0 Chip 10 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
60000
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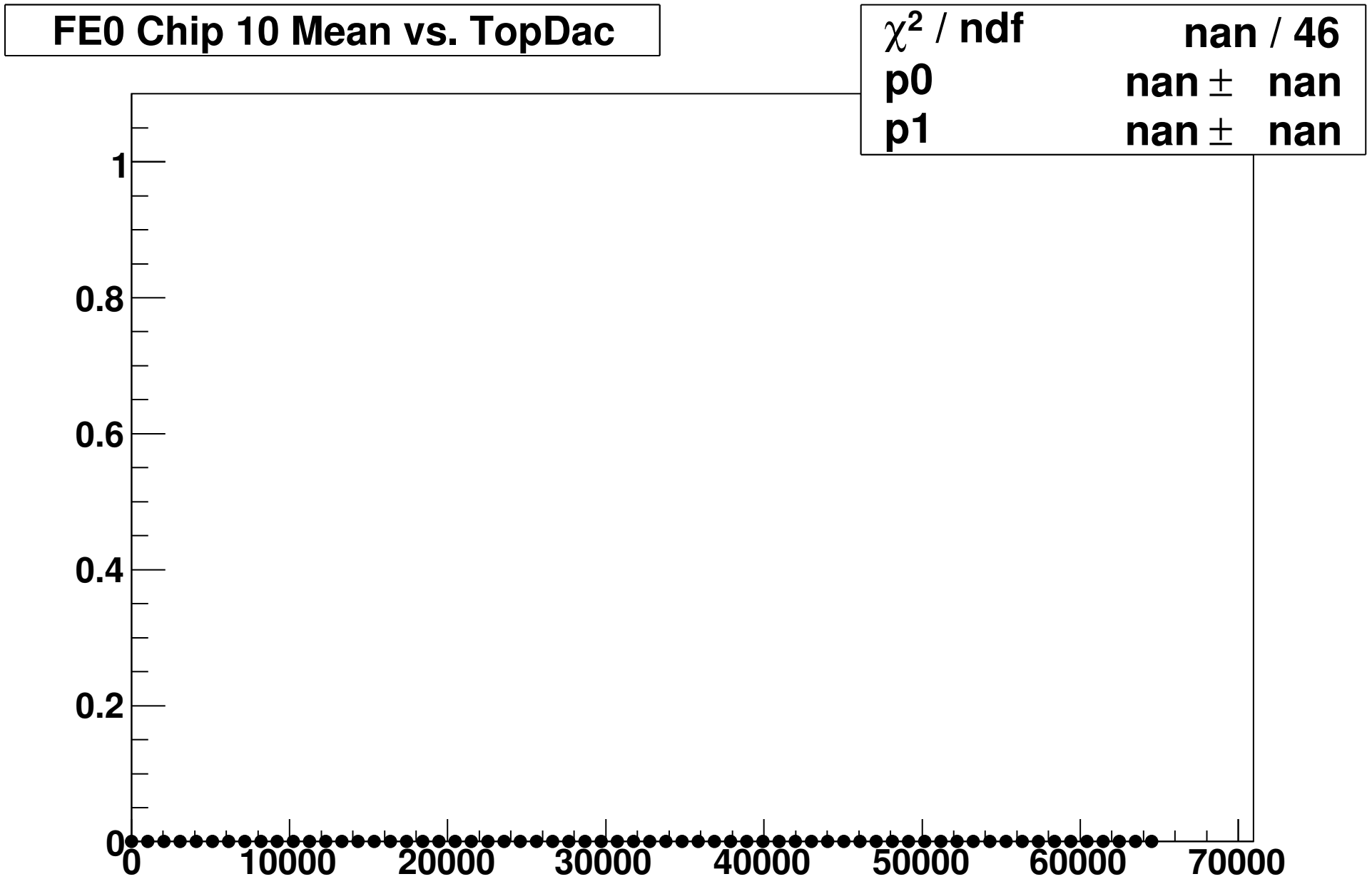
FE0 Chip 10 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
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40000
50000
60000
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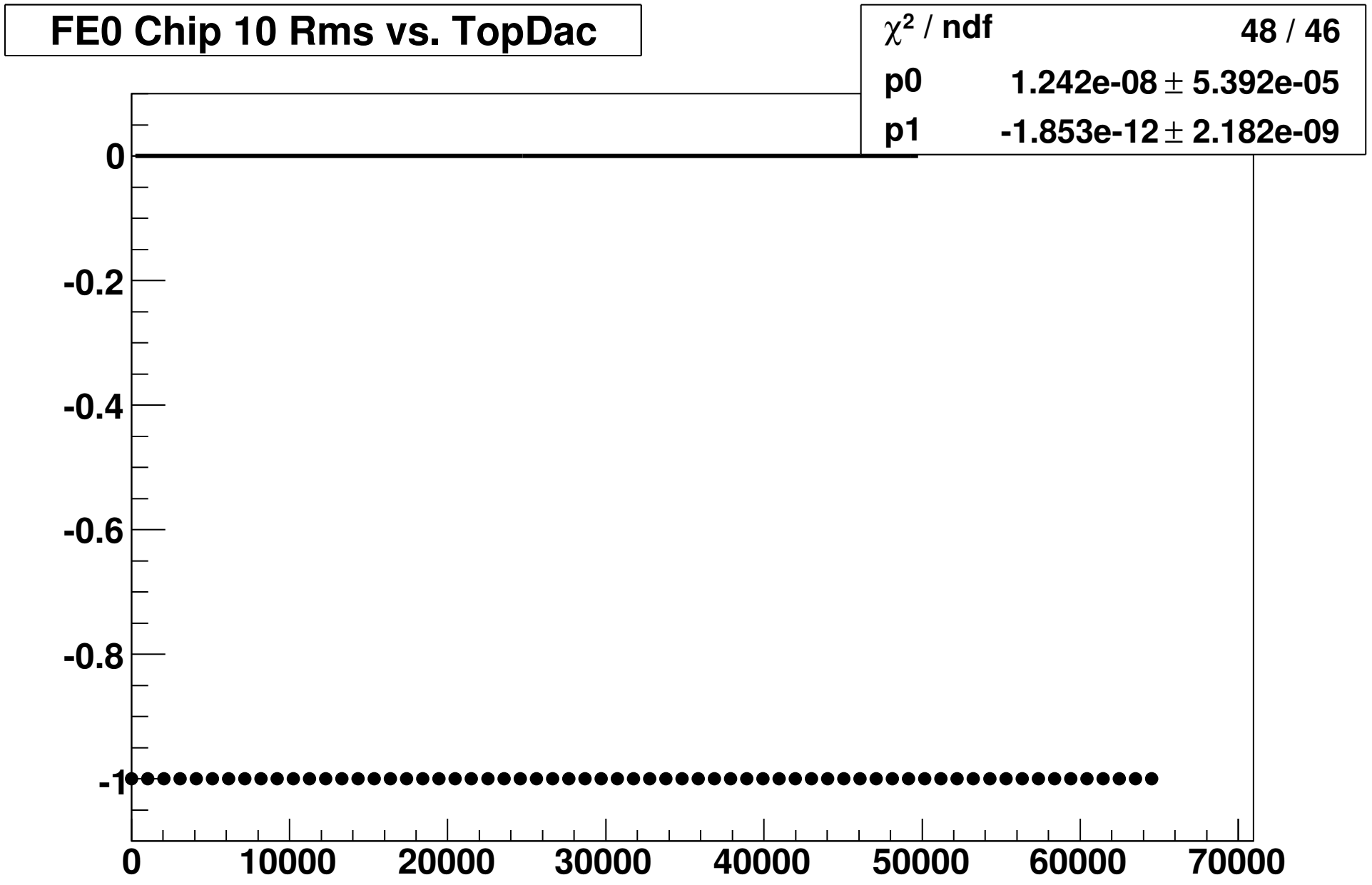
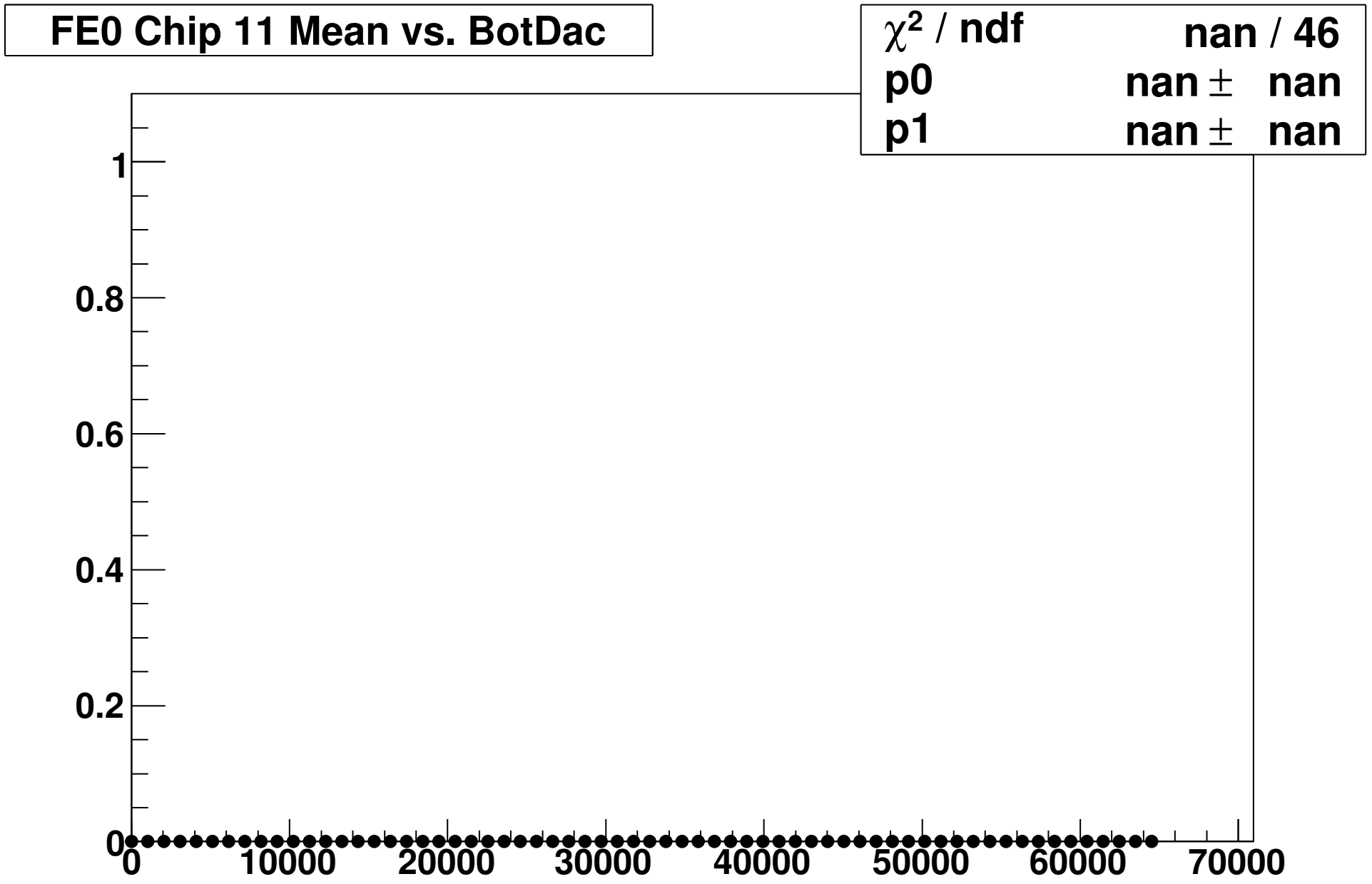

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
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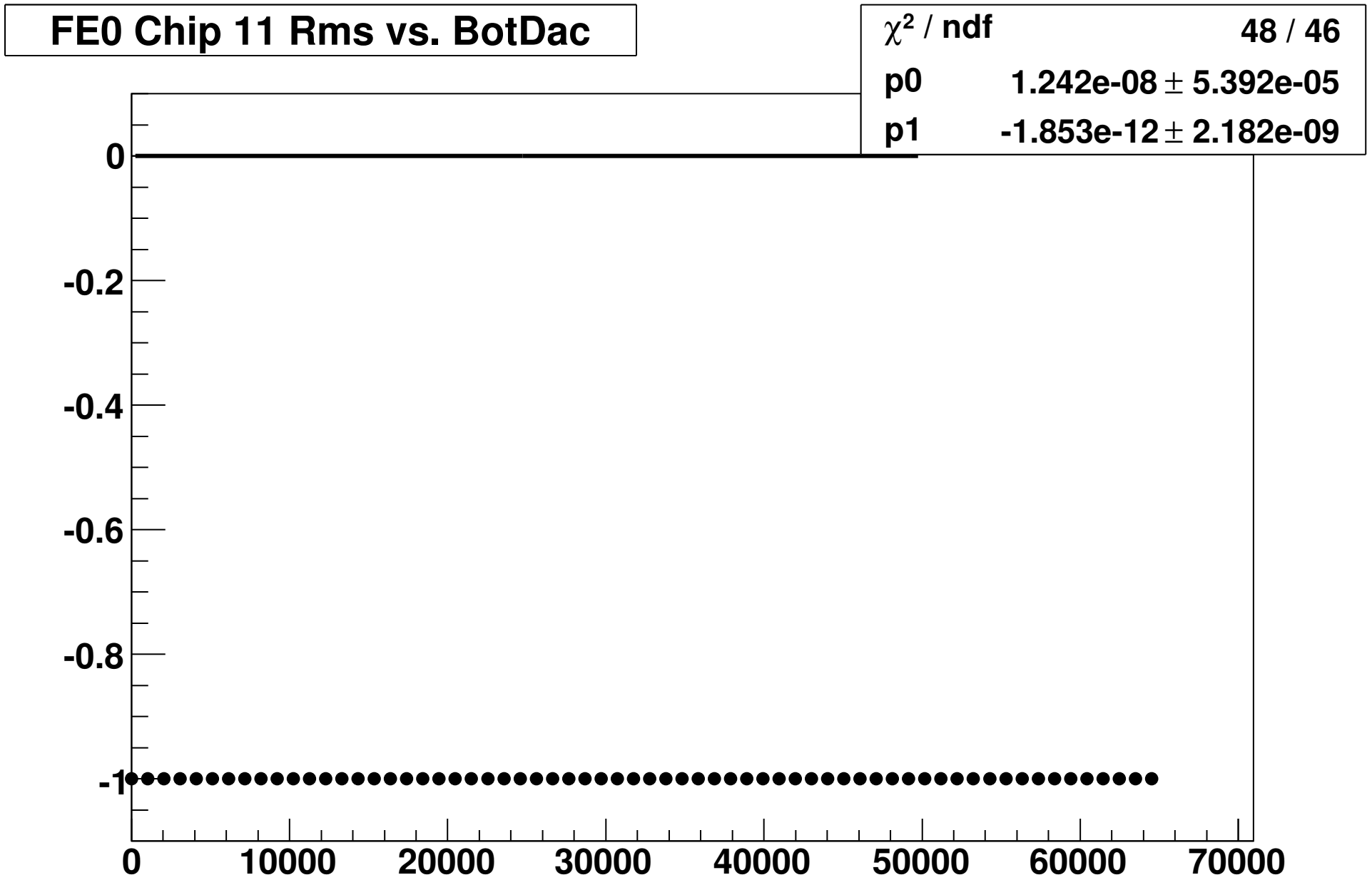
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
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40000
50000
60000
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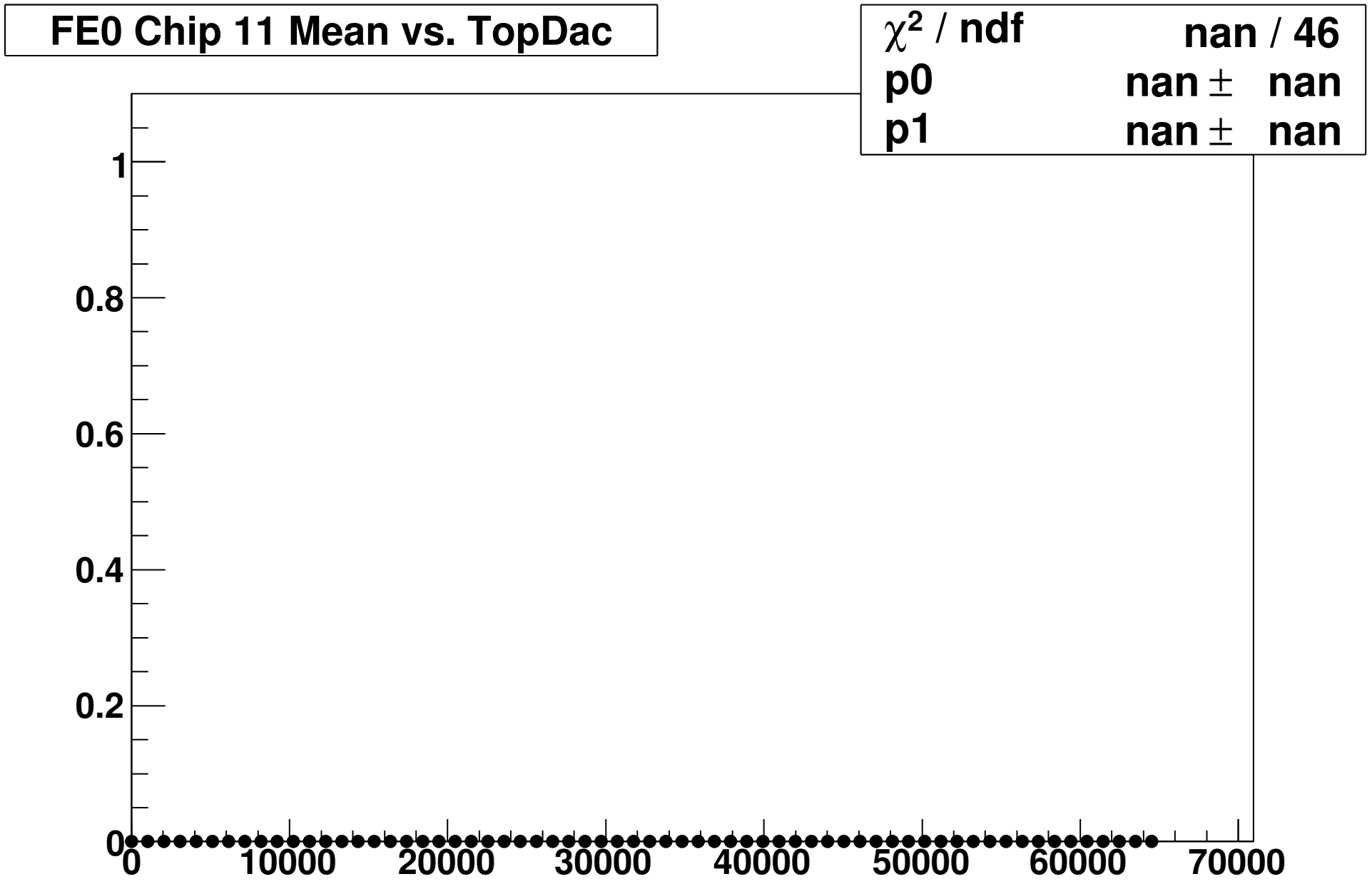
FE0 Chip 11 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
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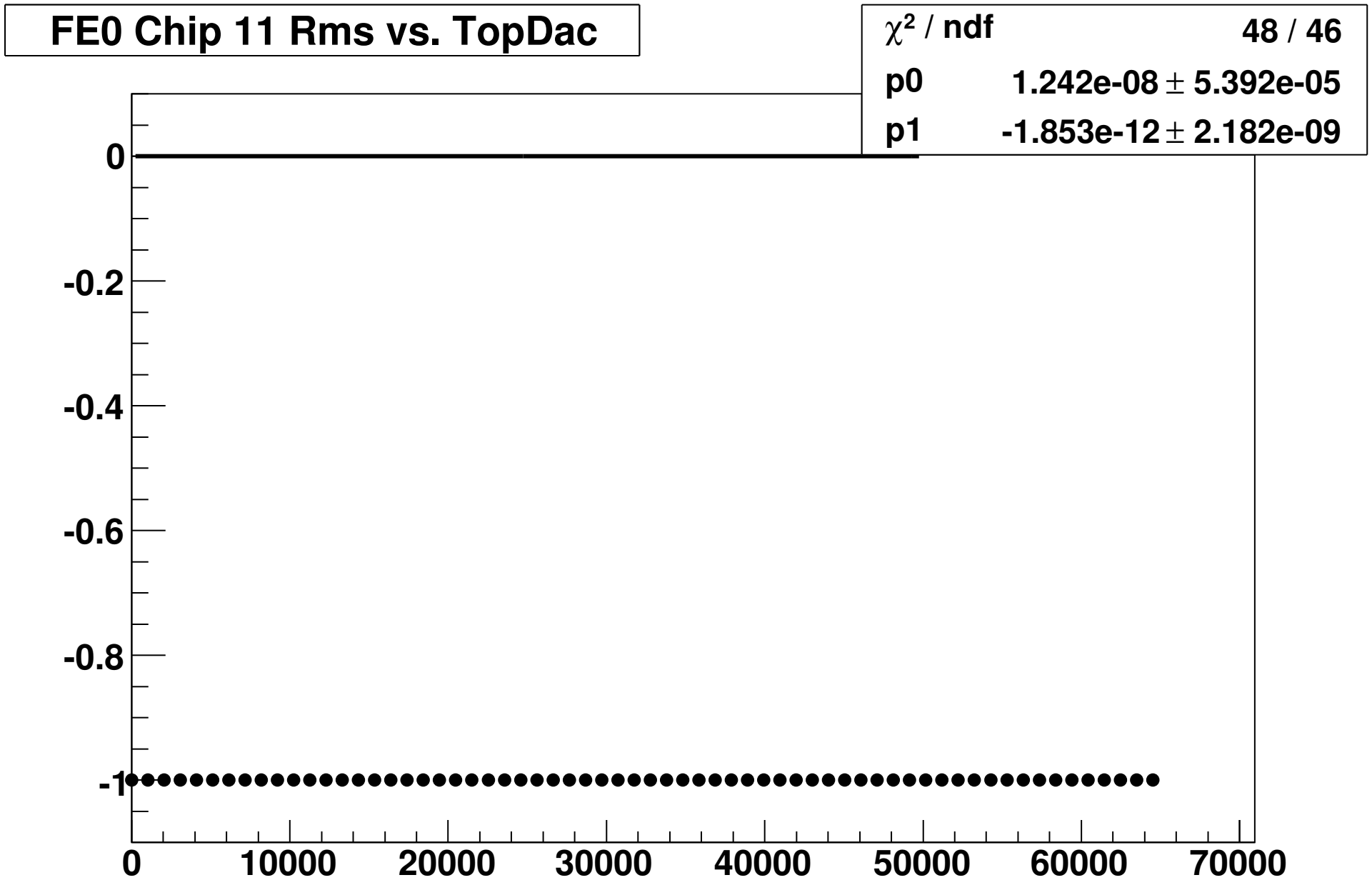
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 48 / 46
p0 1.242e-08 ± 5.392e-05
p1 -1.853e-12 ± 2.182e-09
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
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50000
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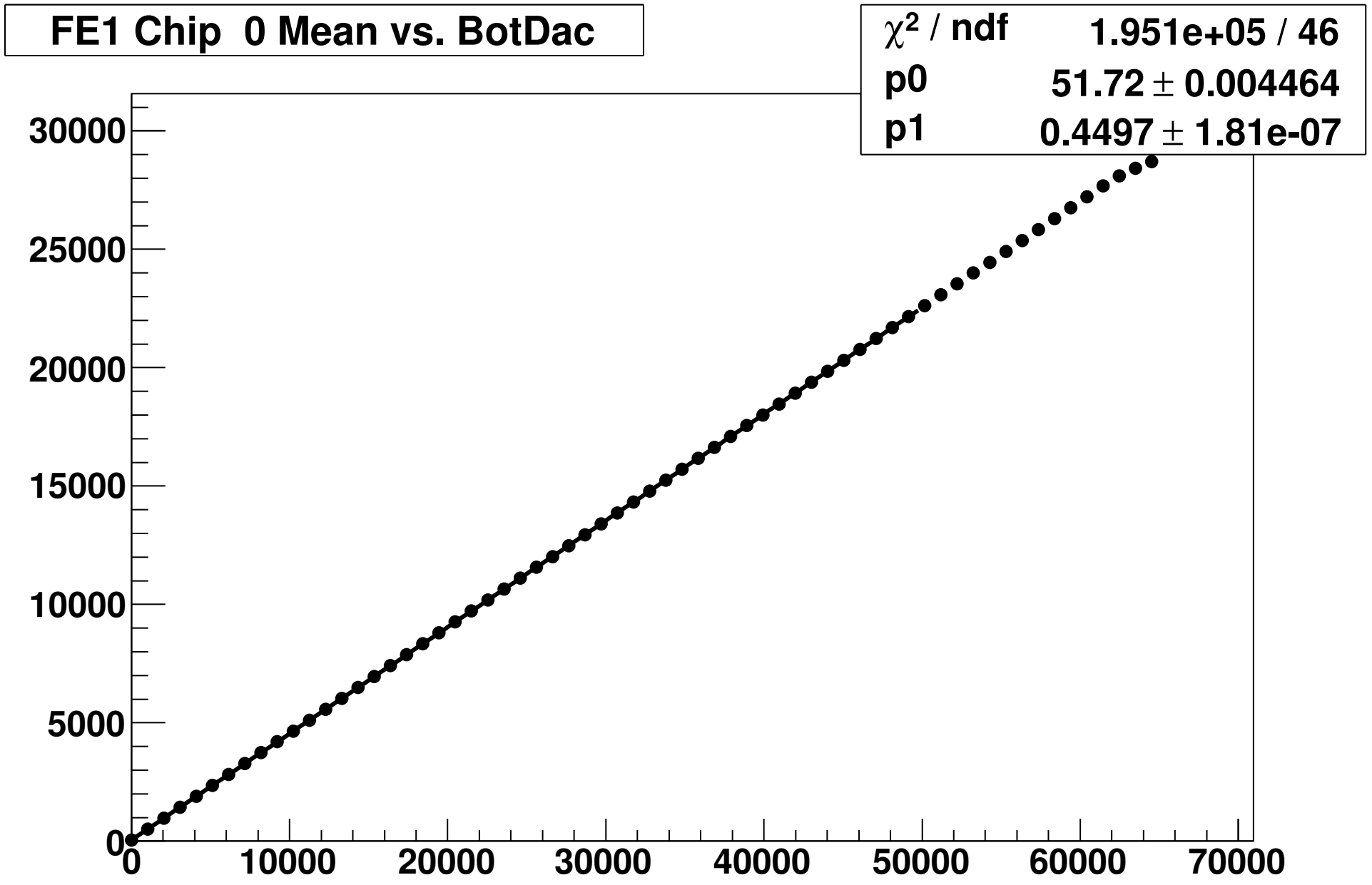
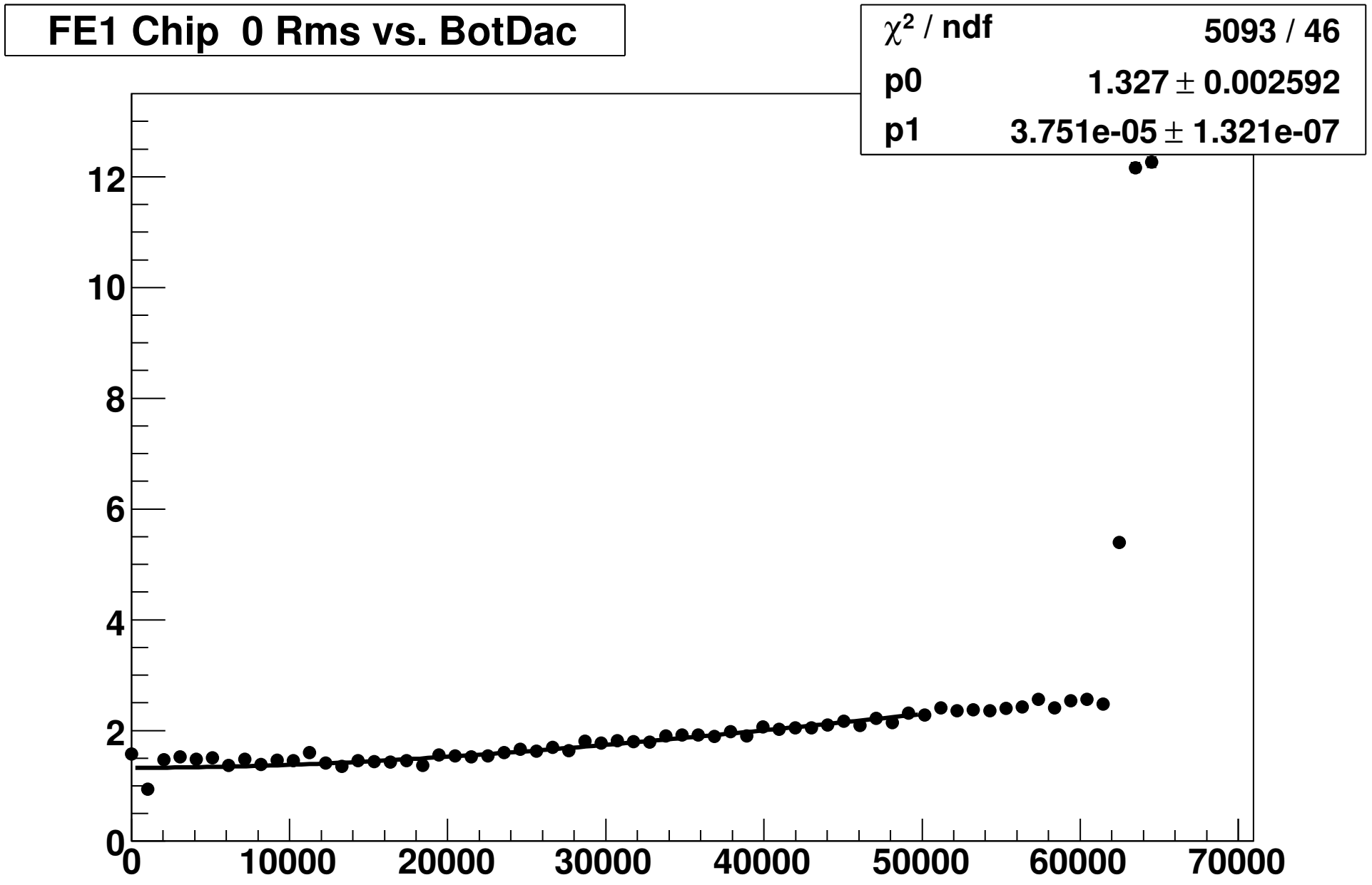
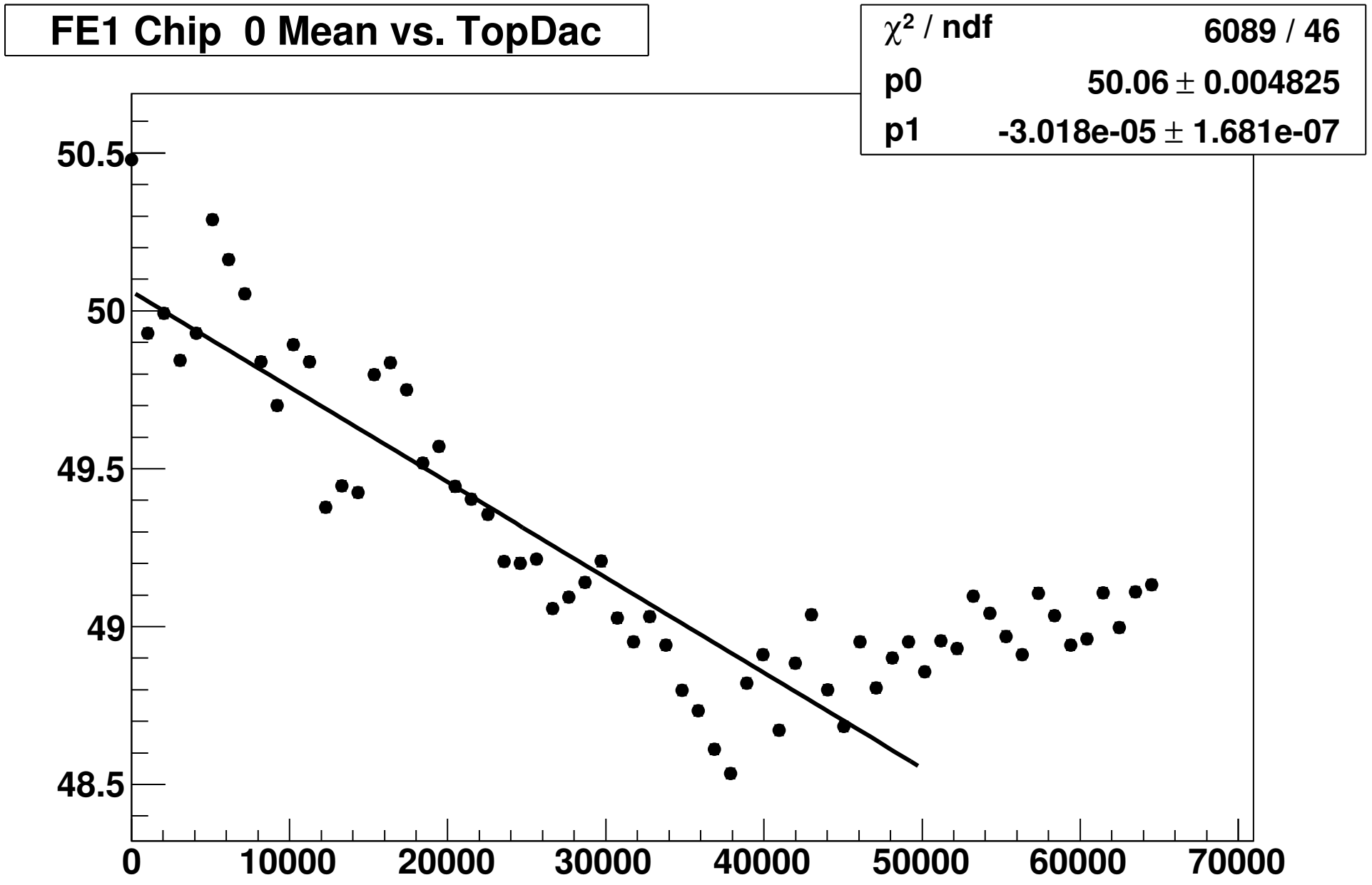
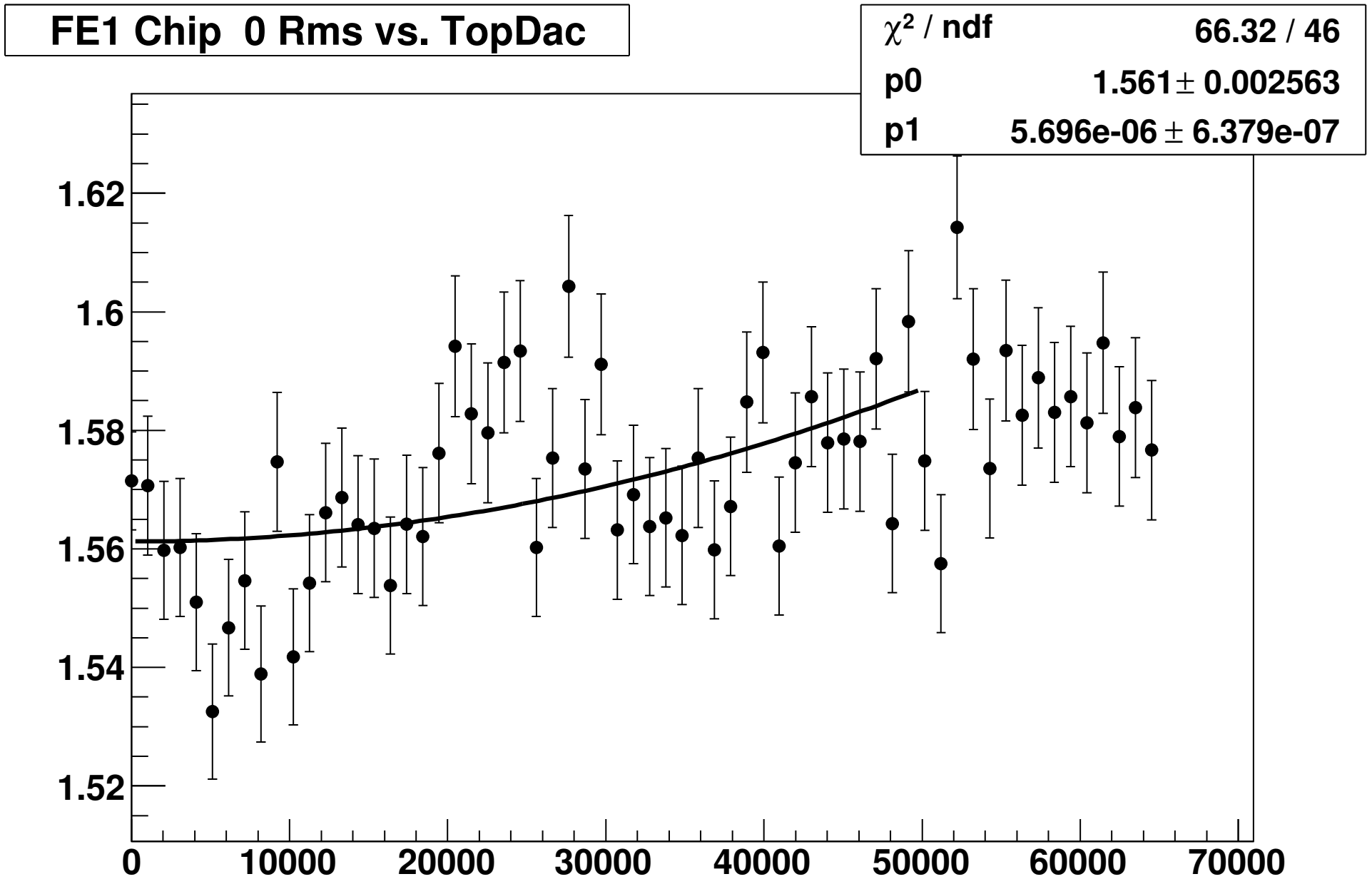
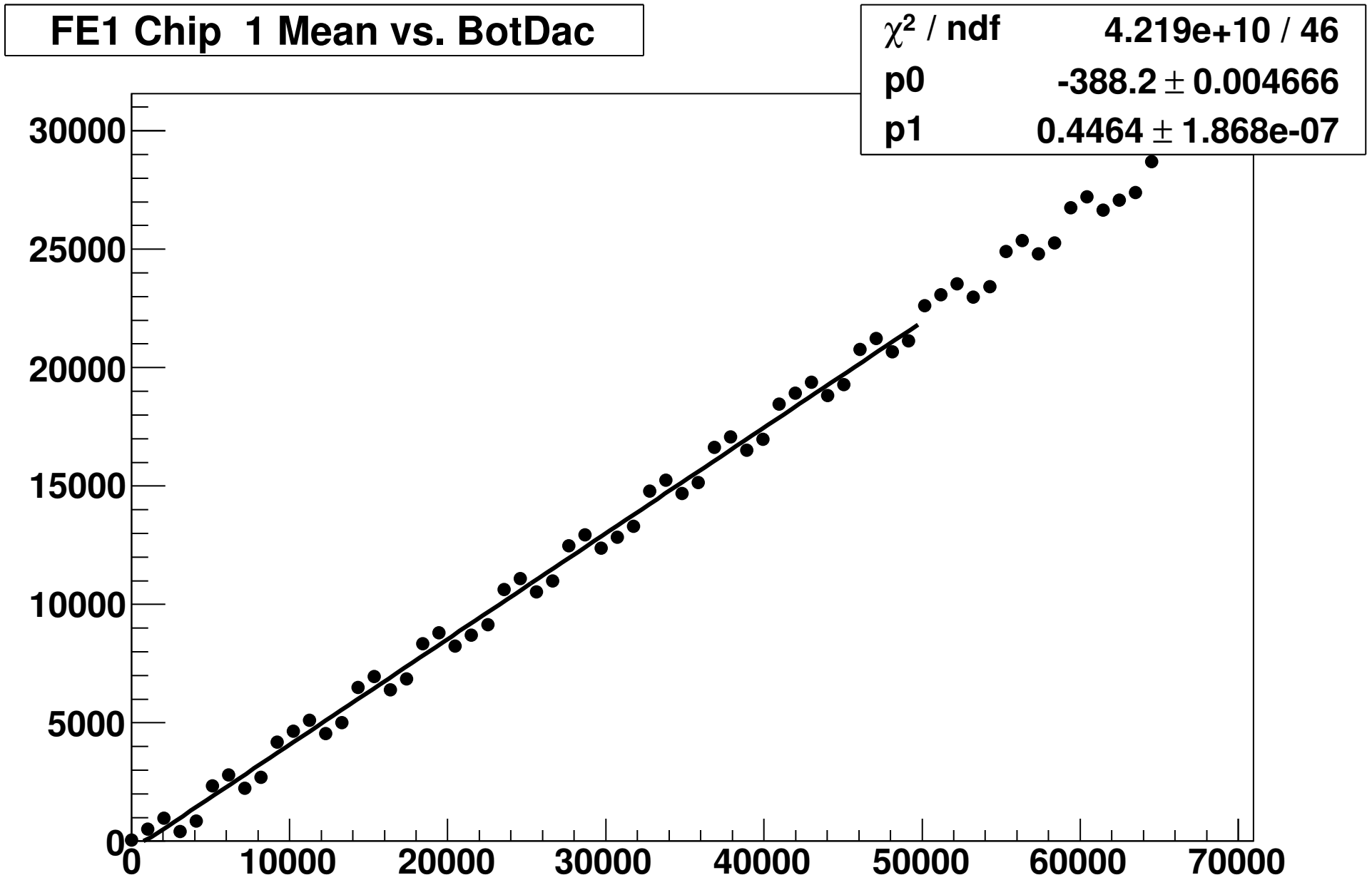
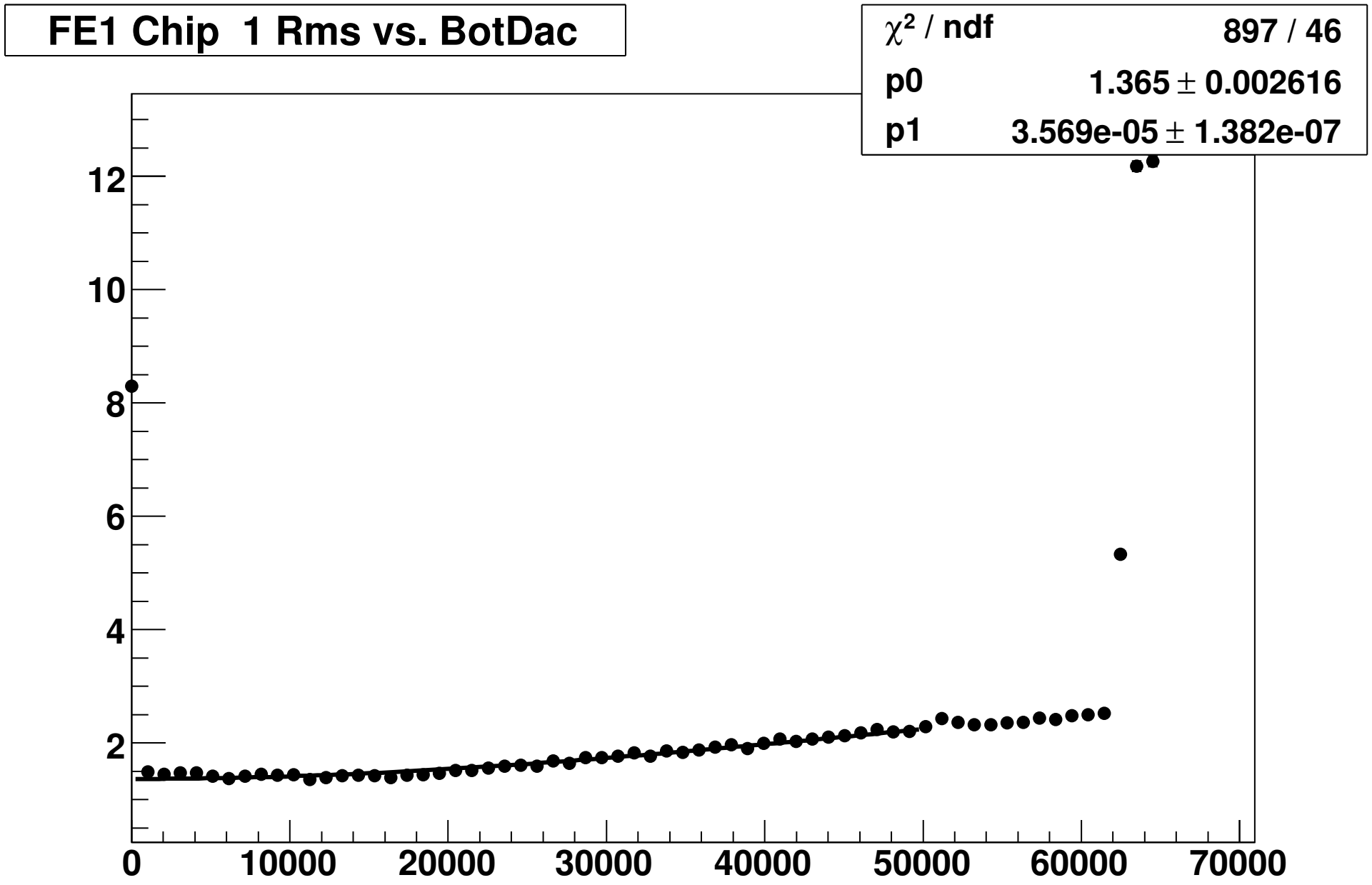

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.951e+05 / 46
p0 51.72 ± 0.004464
p1 0.4497 ± 1.81e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

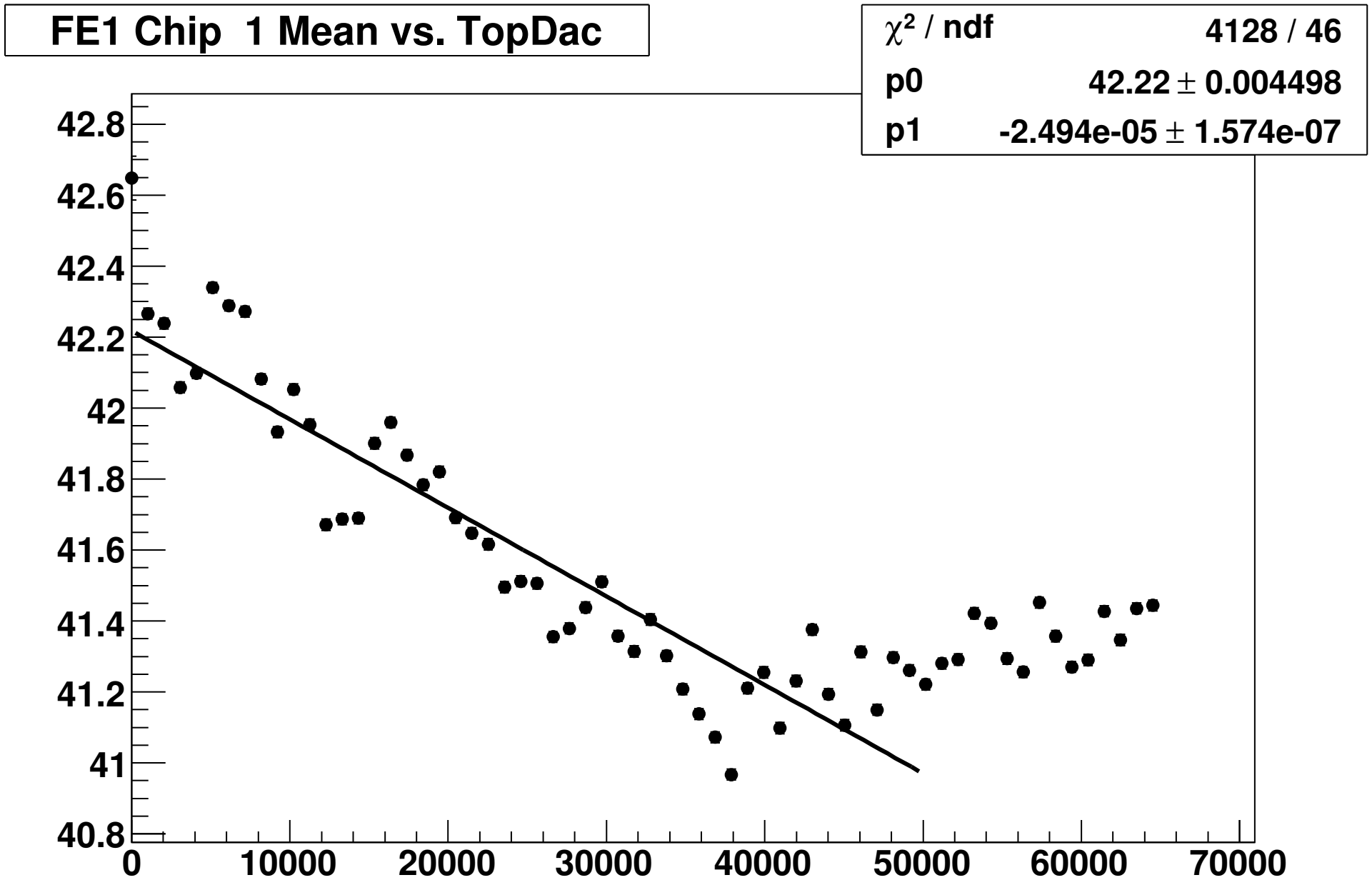

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 5093 / 46
p0 1.327 ± 0.002592
p1 3.751e-05 ± 1.321e-07
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000
70000

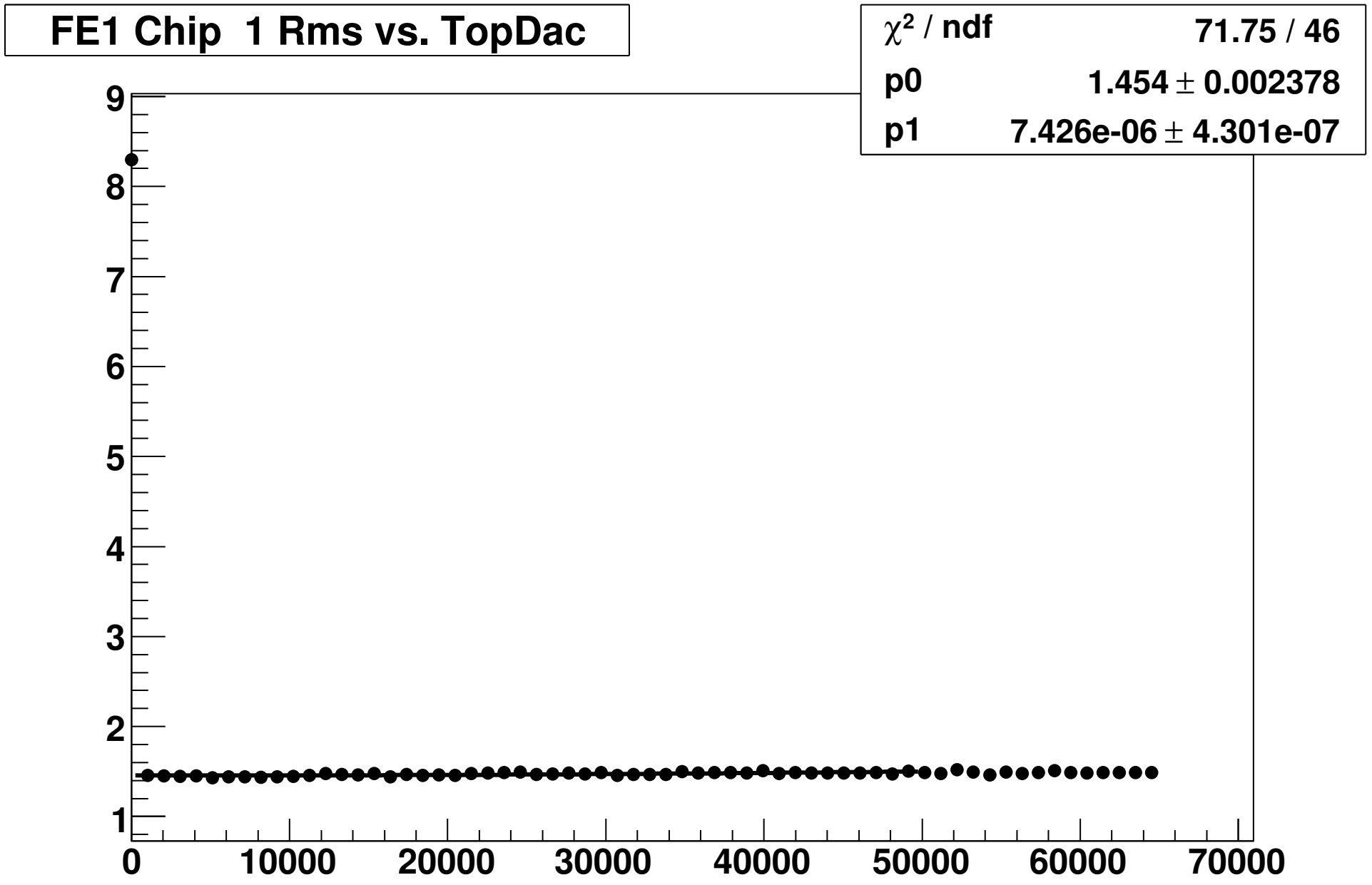

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 6089 / 46
p0 50.06 ± 0.004825
p1 -3.018e-05 ± 1.681e-07
50.5
50
49.5
49
48.5
0
10000
20000
30000
40000
50000
60000
70000

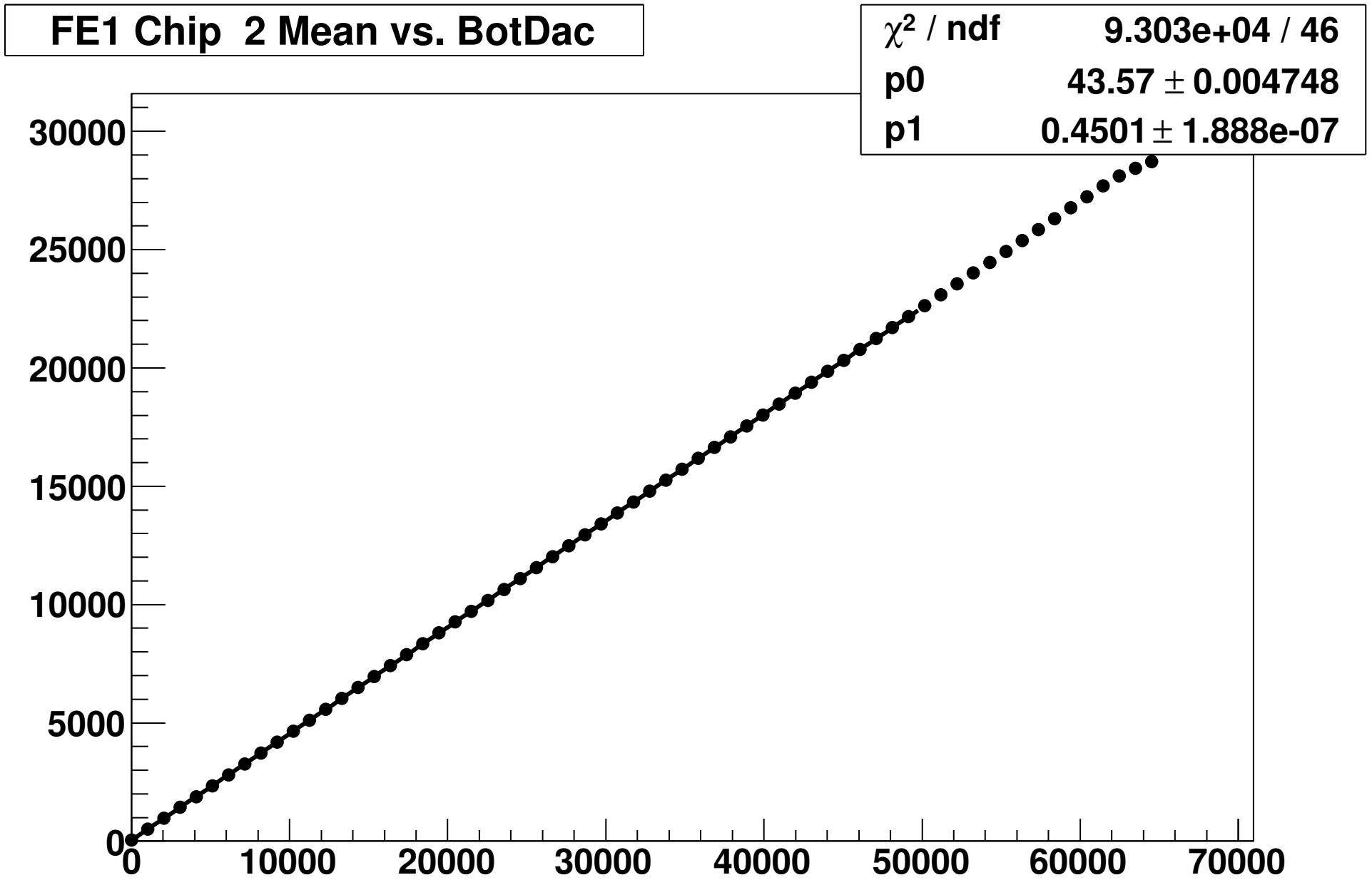

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 66.32 / 46
p0 1.561 ± 0.002563
p1 5.696e-06 ± 6.379e-07
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

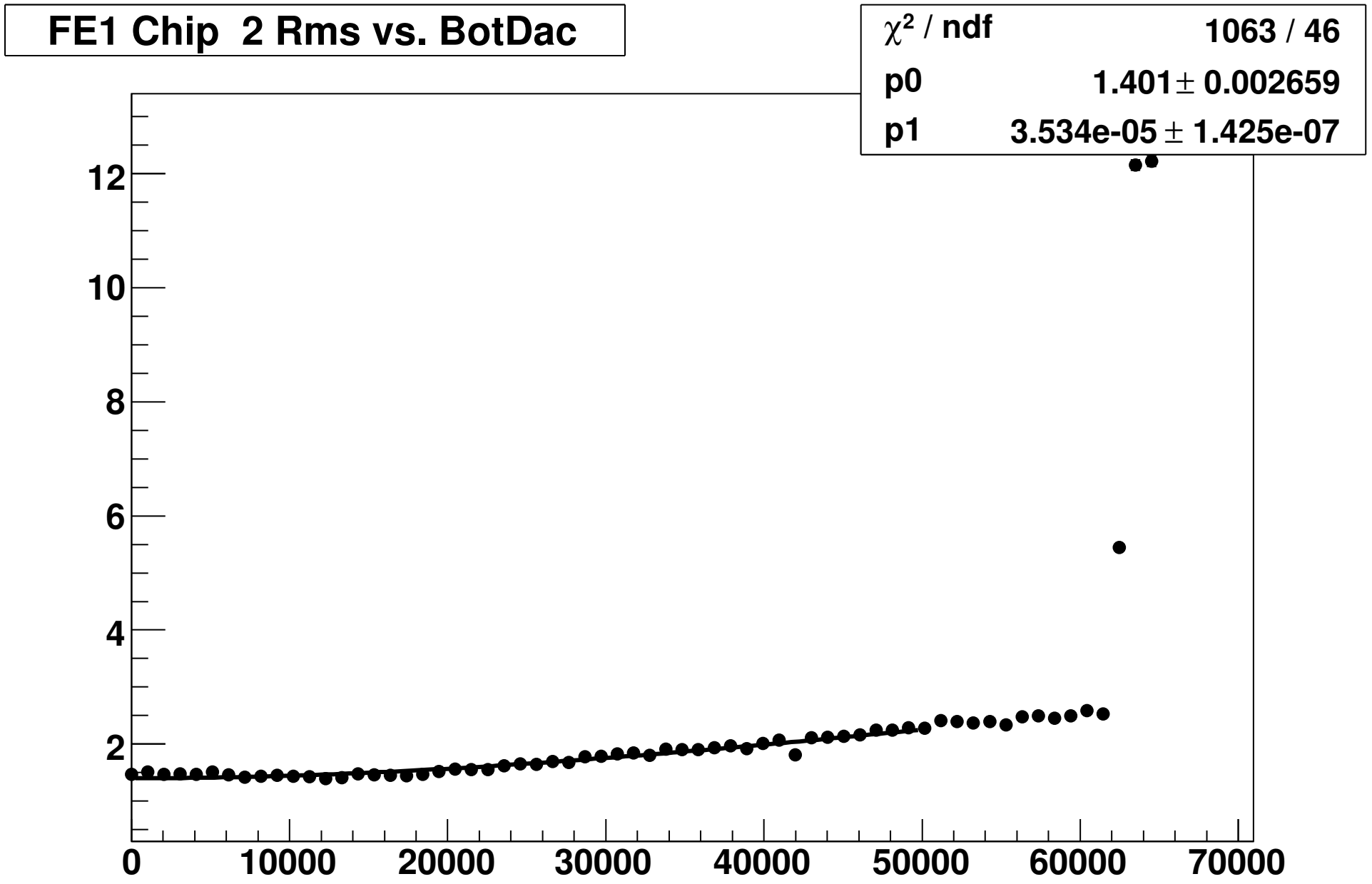

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 4.219e+10 / 46
p0 -388.2 ± 0.004666
p1 0.4464 ± 1.868e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

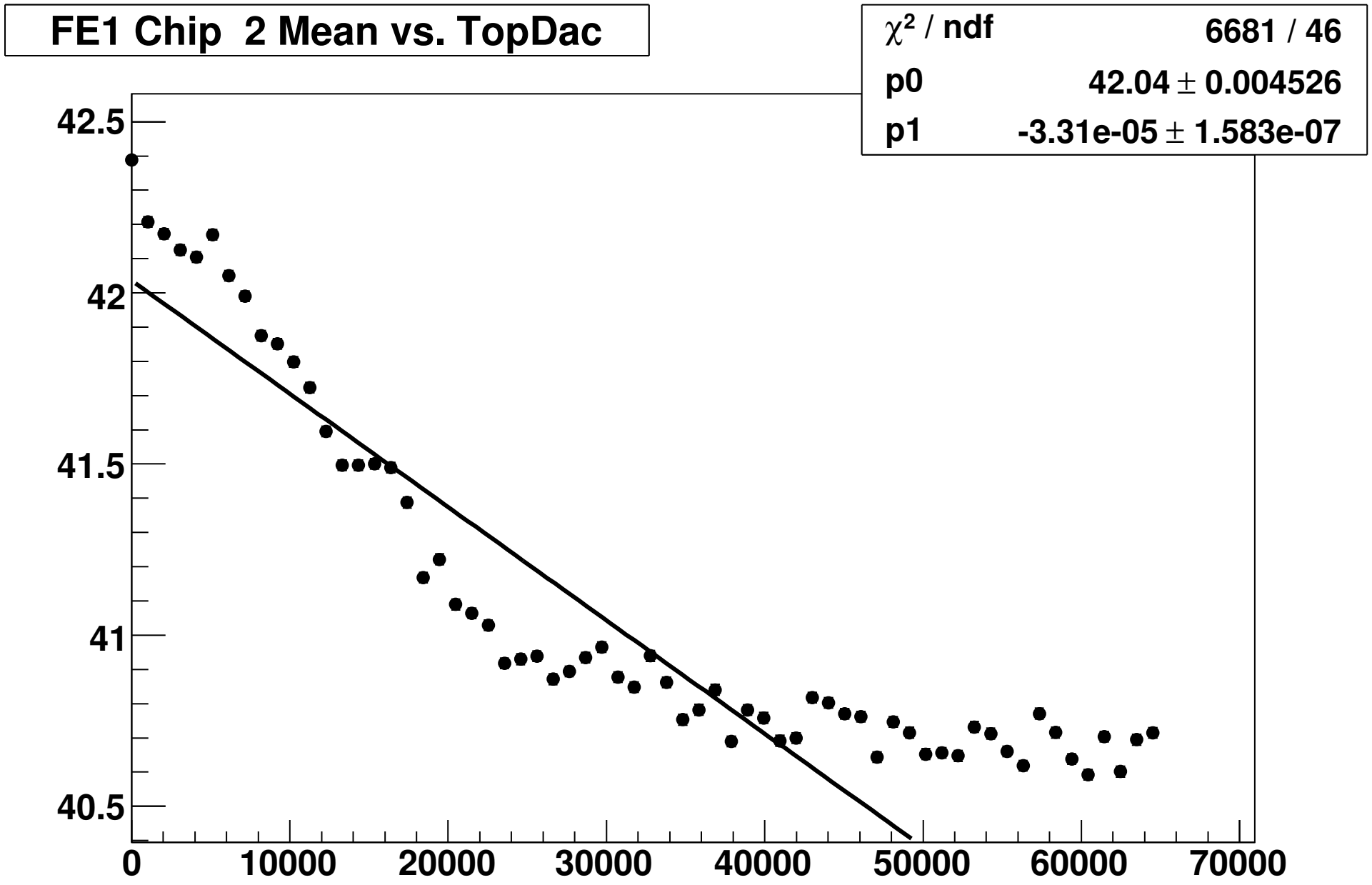

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 897 / 46
p0 1.365 ± 0.002616
p1 3.569e-05 ± 1.382e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

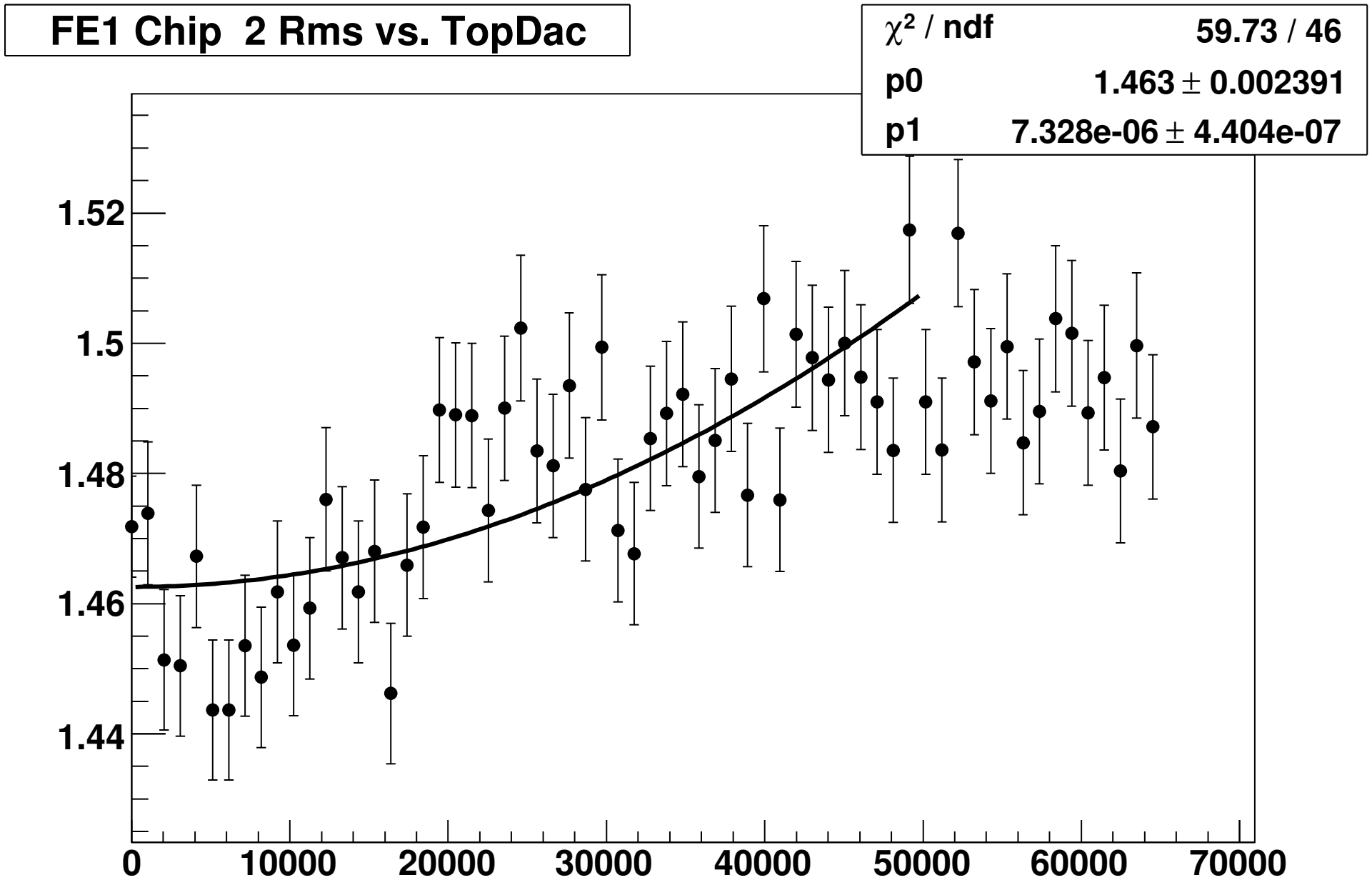

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 4128 / 46
p0 42.22 ± 0.004498
p1 -2.494e-05 ± 1.574e-07
42.8
42.6
42.4
42.2
42
41.8
41.6
41.4
41.2
41
40.8
0
10000
20000
30000
40000
50000
60000
70000

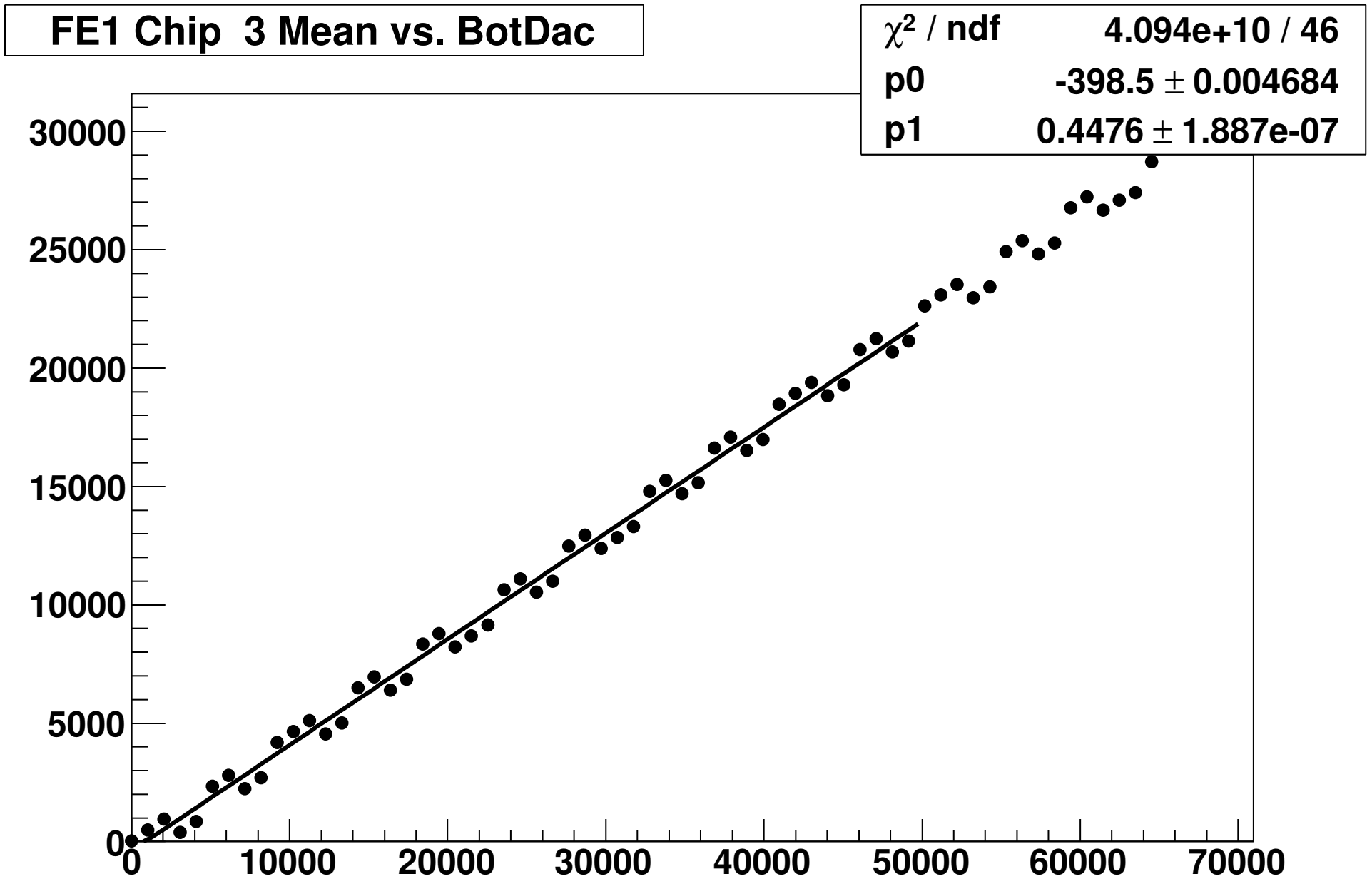

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 71.75 / 46
p0 1.454 ± 0.002378
p1 7.426e-06 ± 4.301e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

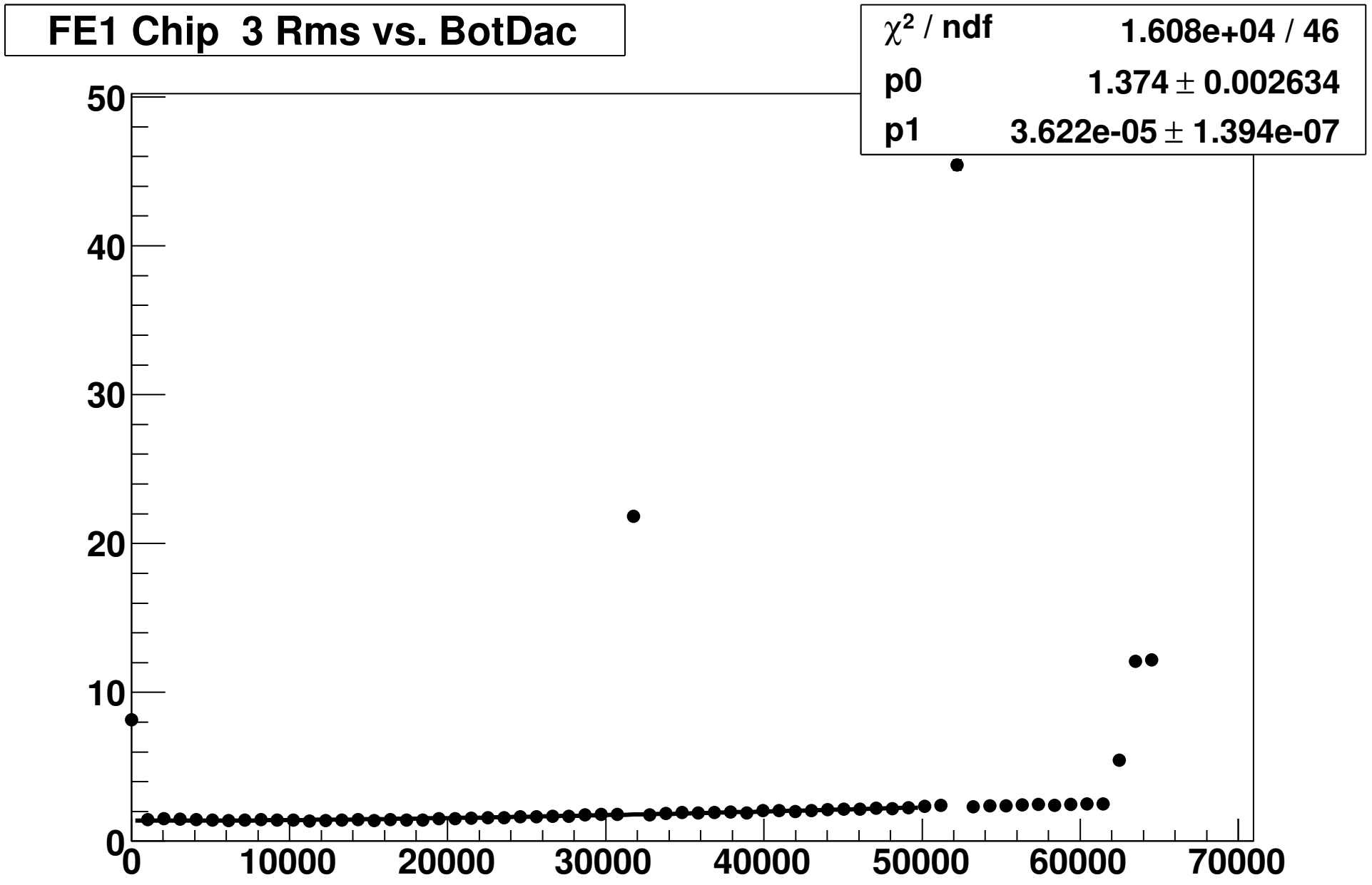

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 9.303e+04 / 46
p0 43.57 ± 0.004748
p1 0.4501 ± 1.888e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

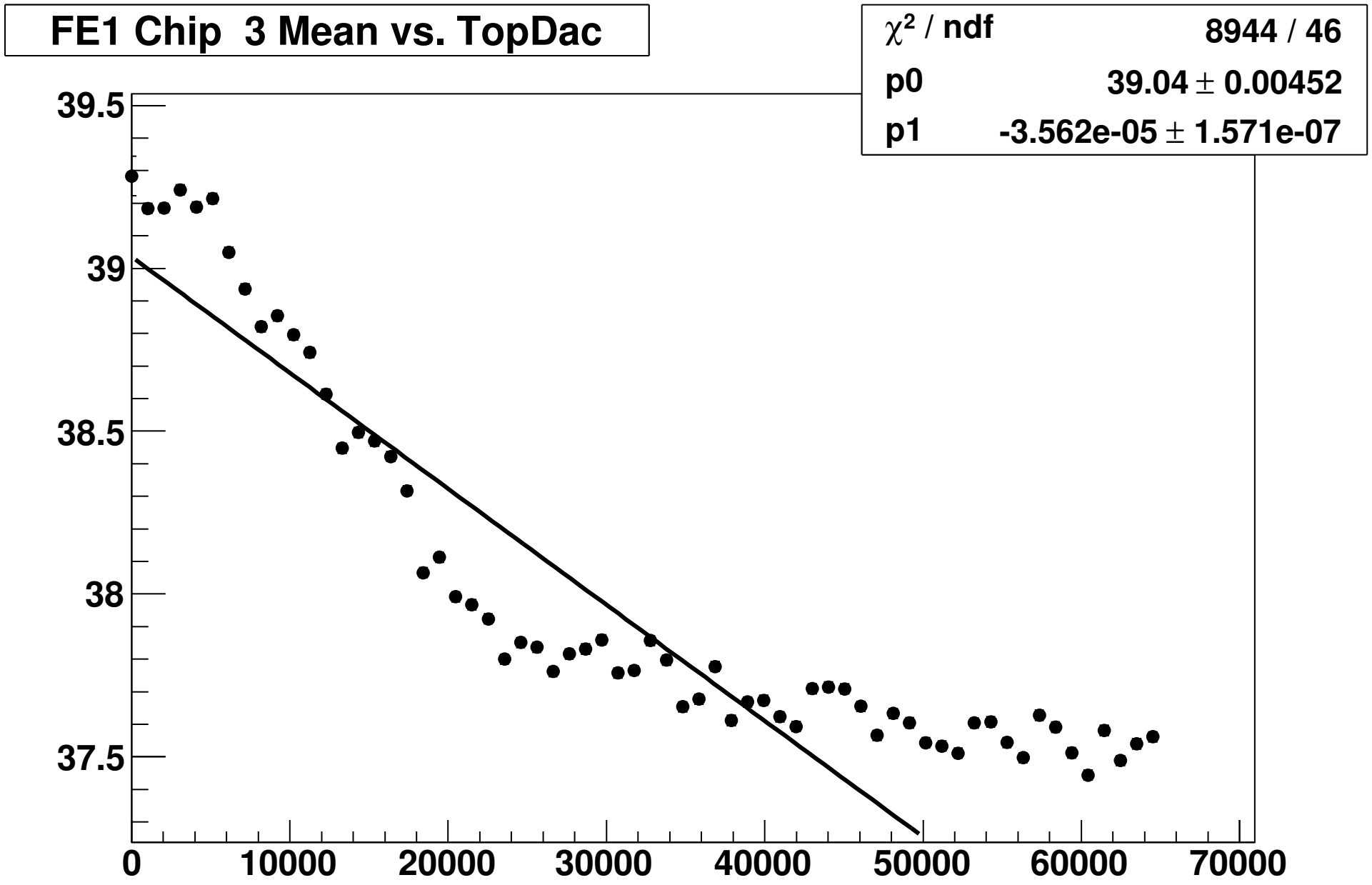

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1063 / 46
p0 1.401 ± 0.002659
p1 3.534e-05 ± 1.425e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

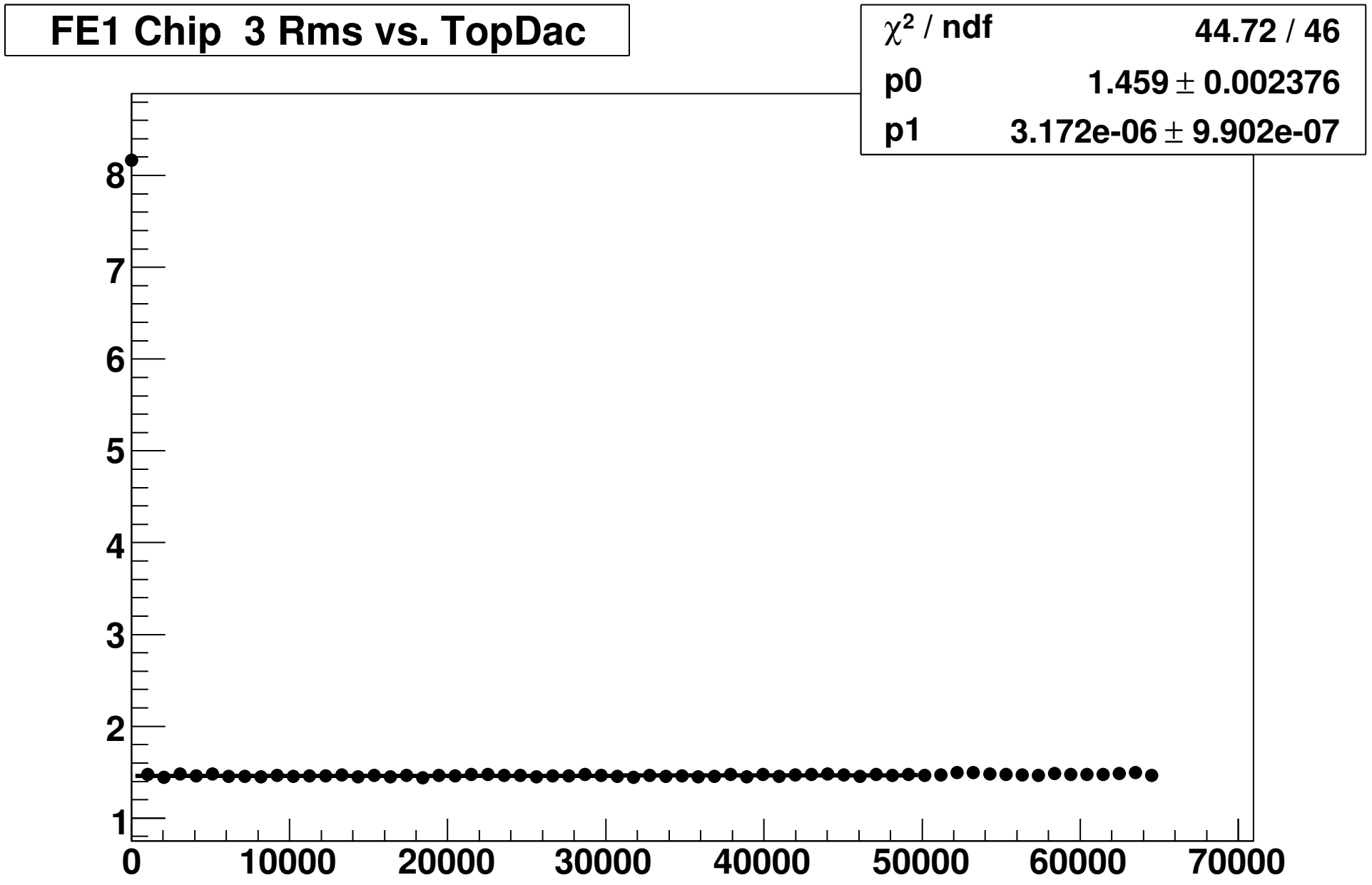

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 6681 / 46
p0 42.04 ± 0.004526
p1 -3.31e-05 ± 1.583e-07
42.5
42
41.5
41
40.5
0
10000
20000
30000
40000
50000
60000
70000

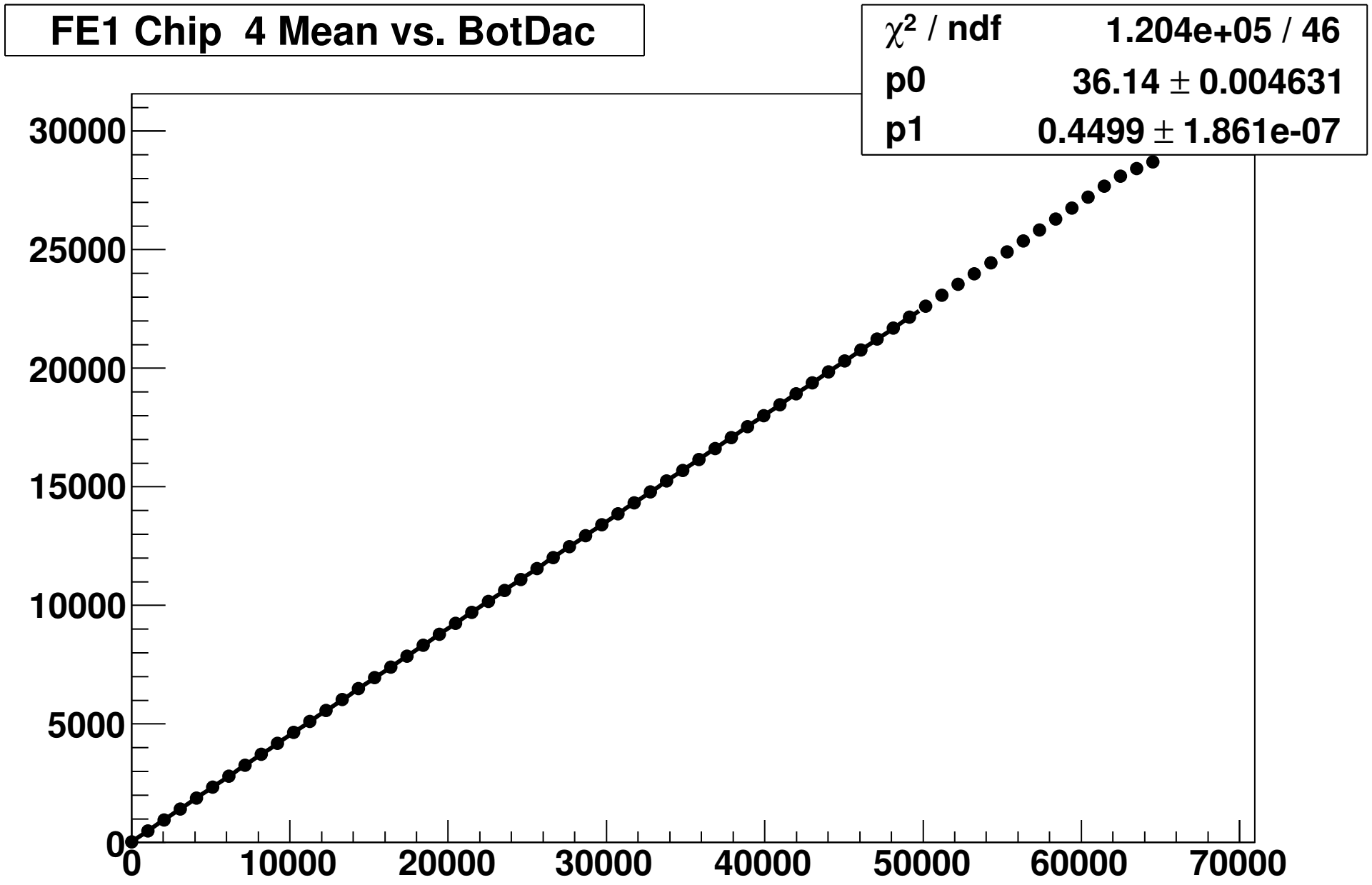

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 59.73 / 46
p0 1.463 ± 0.002391
p1 7.328e-06 ± 4.404e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

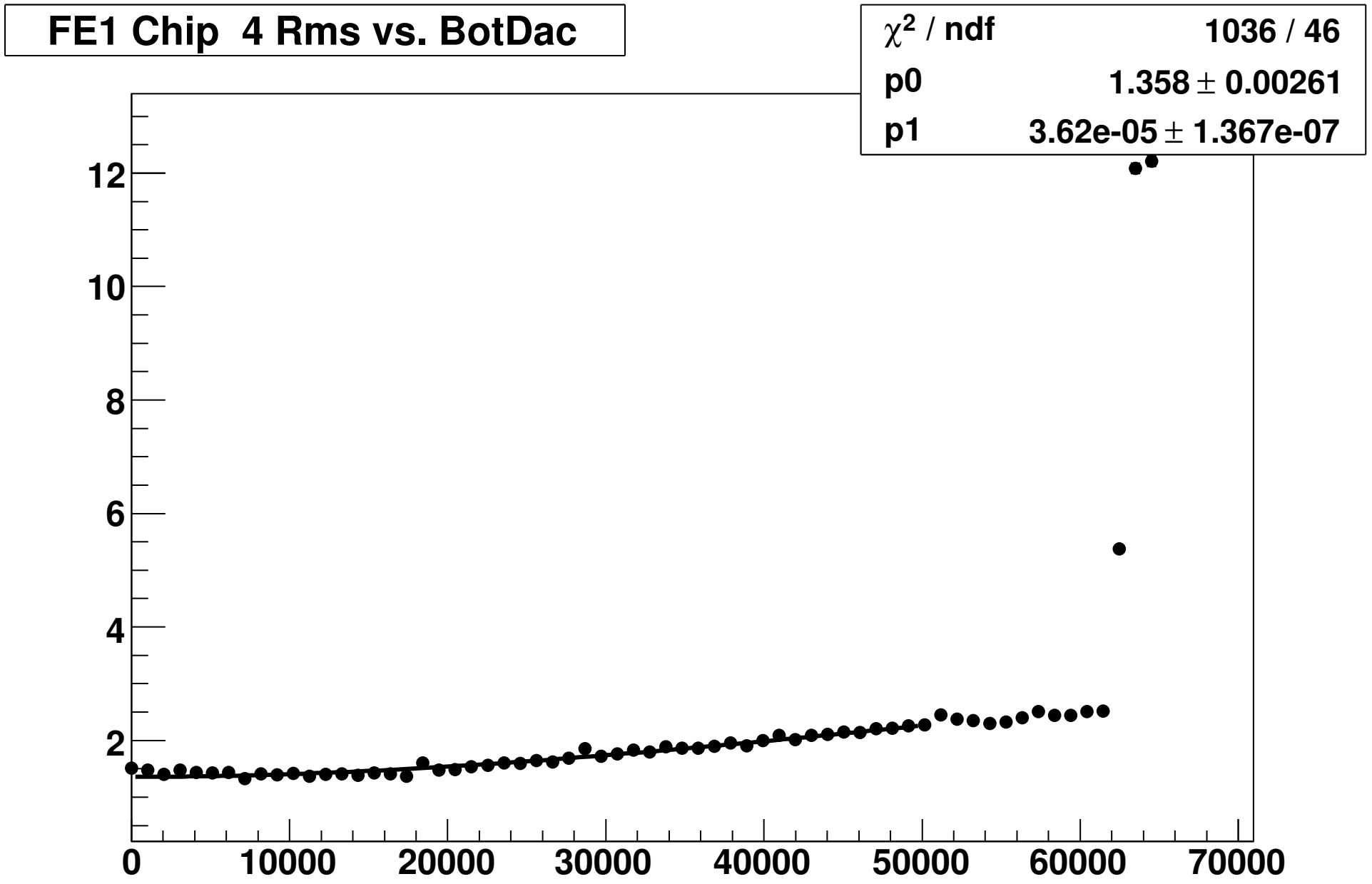

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 4.094e+10 / 46
p0 -398.5 ± 0.004684
p1 0.4476 ± 1.887e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

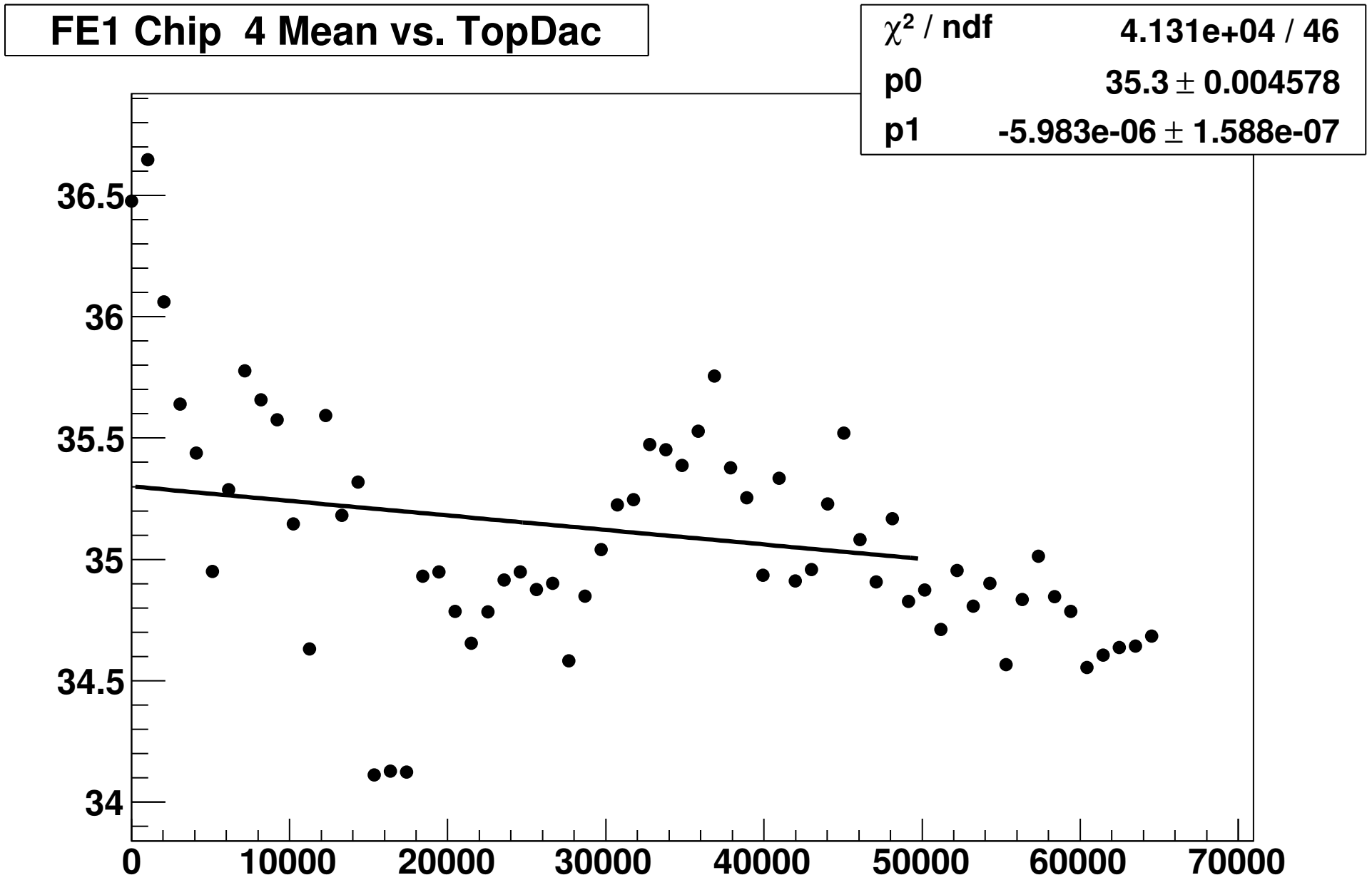

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 1.608e+04 / 46
p0 1.374 ± 0.002634
p1 3.622e-05 ± 1.394e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

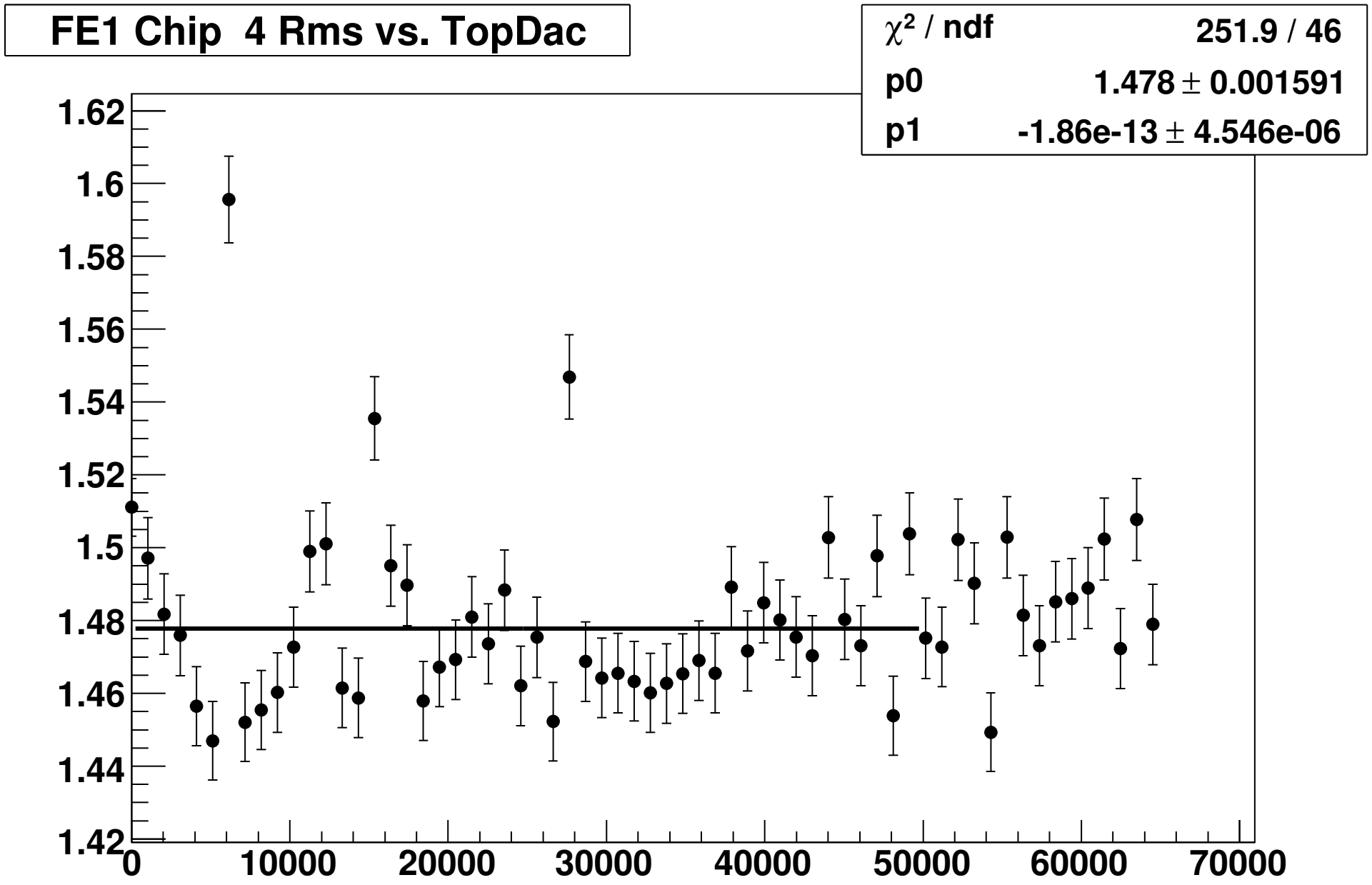

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 8944 / 46
p0 39.04 ± 0.00452
p1 -3.562e-05 ± 1.571e-07
39.5
39
38.5
38
37.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 44.72 / 46
p0 1.459 ± 0.002376
p1 3.172e-06 ± 9.902e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.204e+05 / 46
p0 36.14 ± 0.004631
p1 0.4499 ± 1.861e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1036 / 46
p0 1.358 ± 0.00261
p1 3.62e-05 ± 1.367e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 4.131e+04 / 46
p0 35.3 ± 0.004578
p1 -5.983e-06 ± 1.588e-07
36.5
36
35.5
35
34.5
34
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 251.9 / 46
p0 1.478 ± 0.001591
p1 -1.86e-13 ± 4.546e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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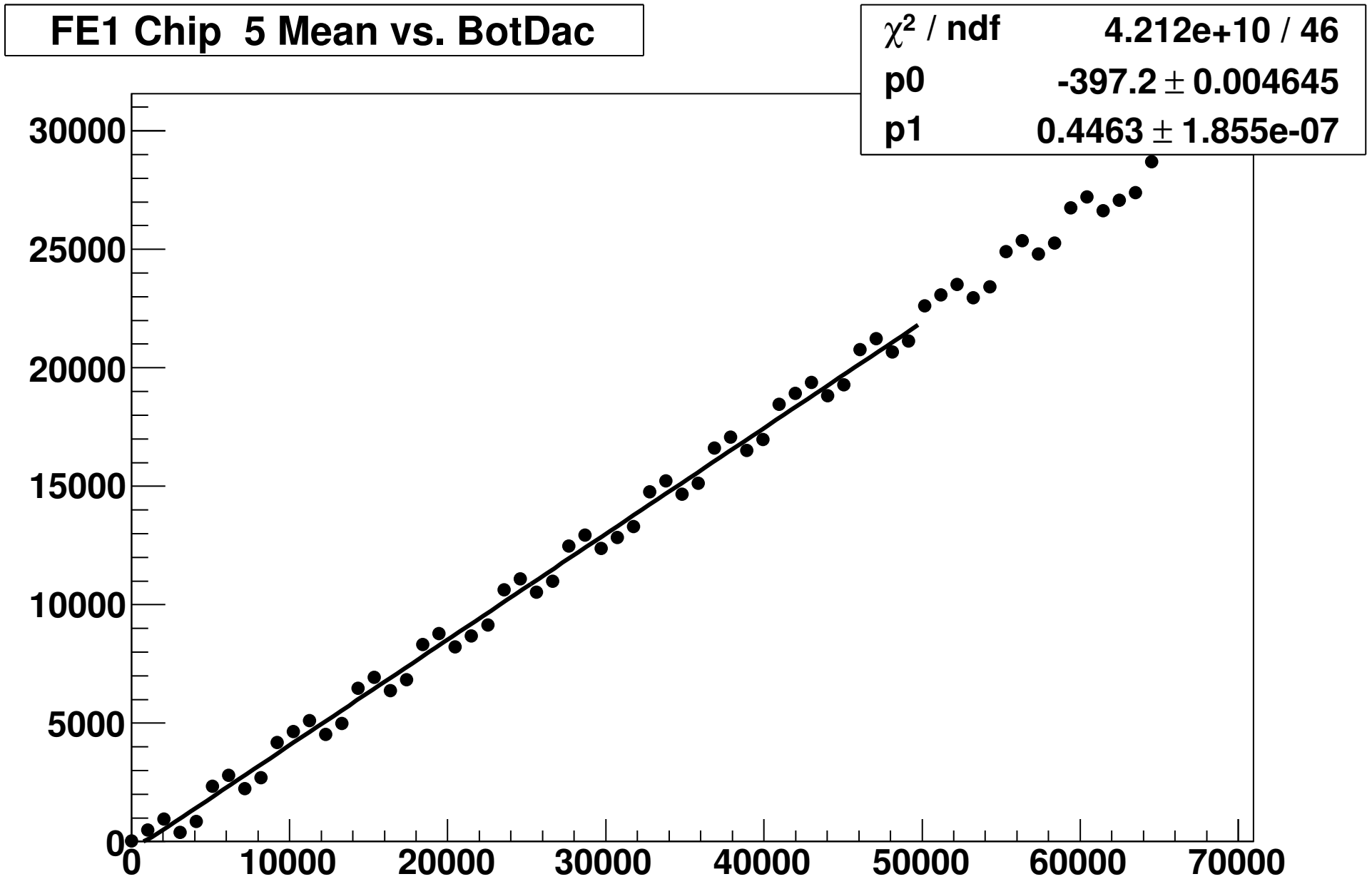
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 4.212e+10 / 46
p0 -397.2 ± 0.004645
p1 0.4463 ± 1.855e-07
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25000
20000
15000
10000
5000
0
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20000
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40000
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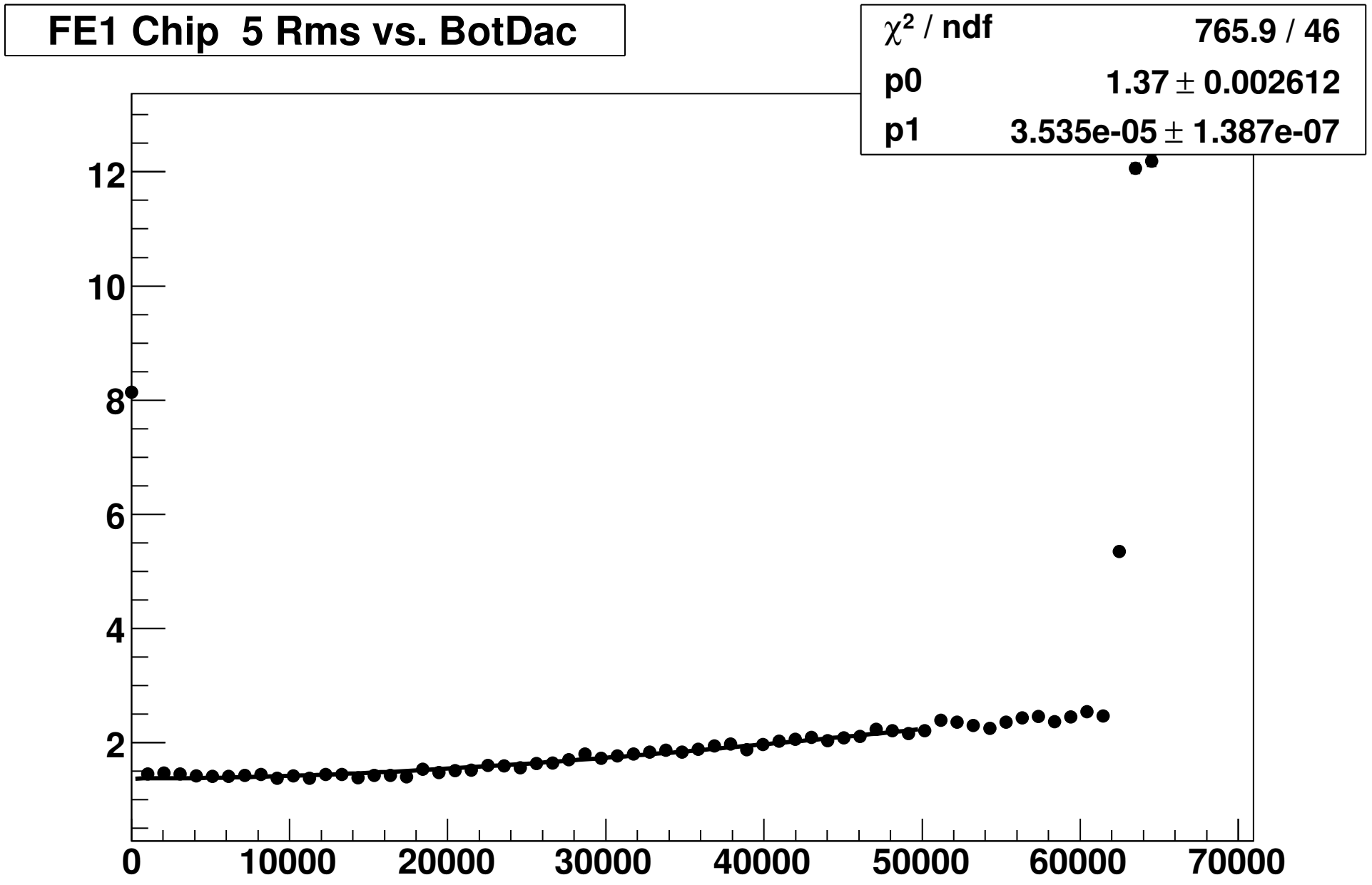
FE1 Chip 5 Rms vs. BotDac
χ² / ndf 765.9 / 46
p0 1.37 ± 0.002612
p1 3.535e-05 ± 1.387e-07
12
10
8
6
4
2
0
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20000
30000
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60000
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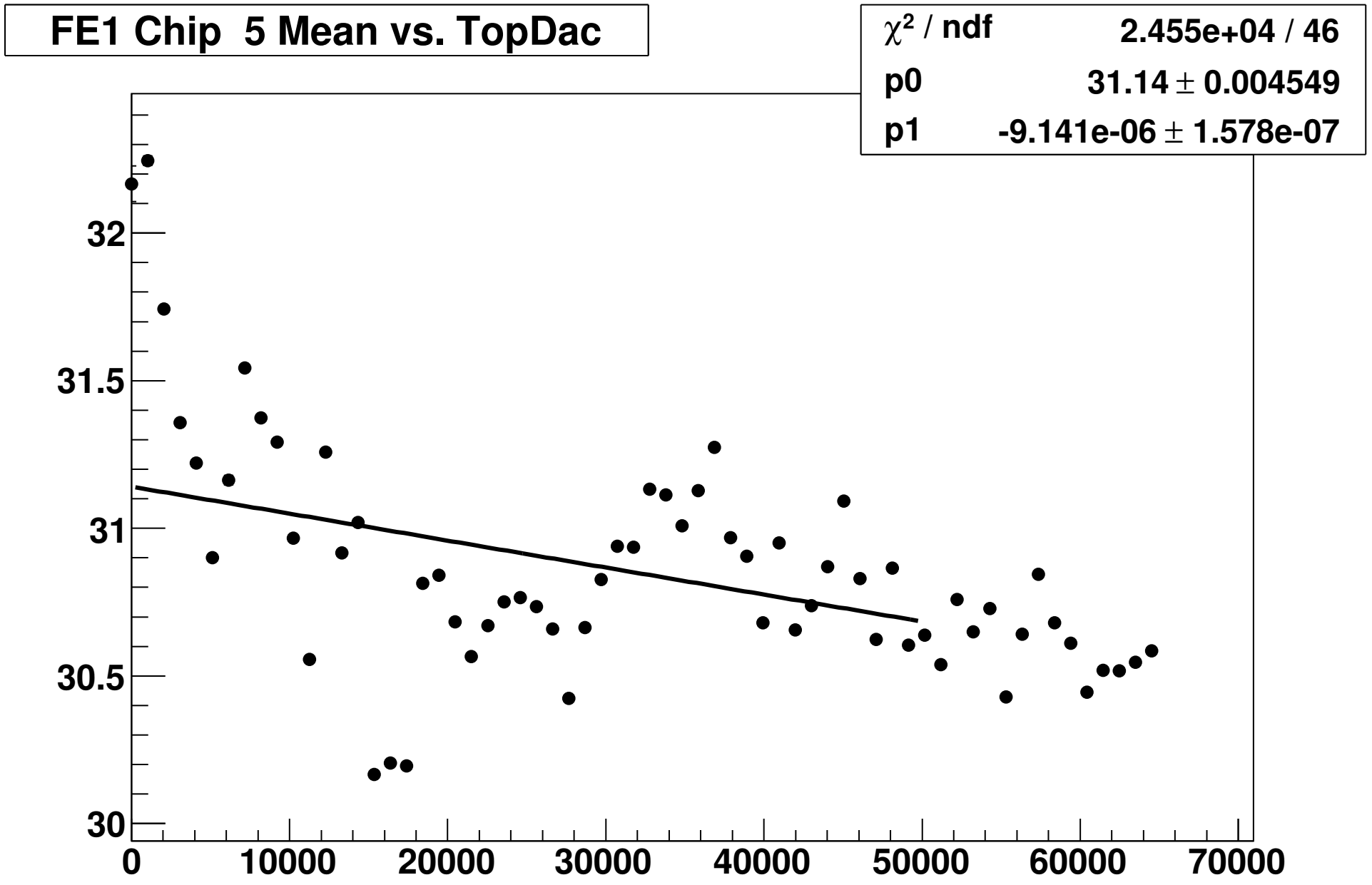
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 2.455e+04 / 46
p0 31.14 ± 0.004549
p1 -9.141e-06 ± 1.578e-07
32
31.5
31
30.5
30
0
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50000
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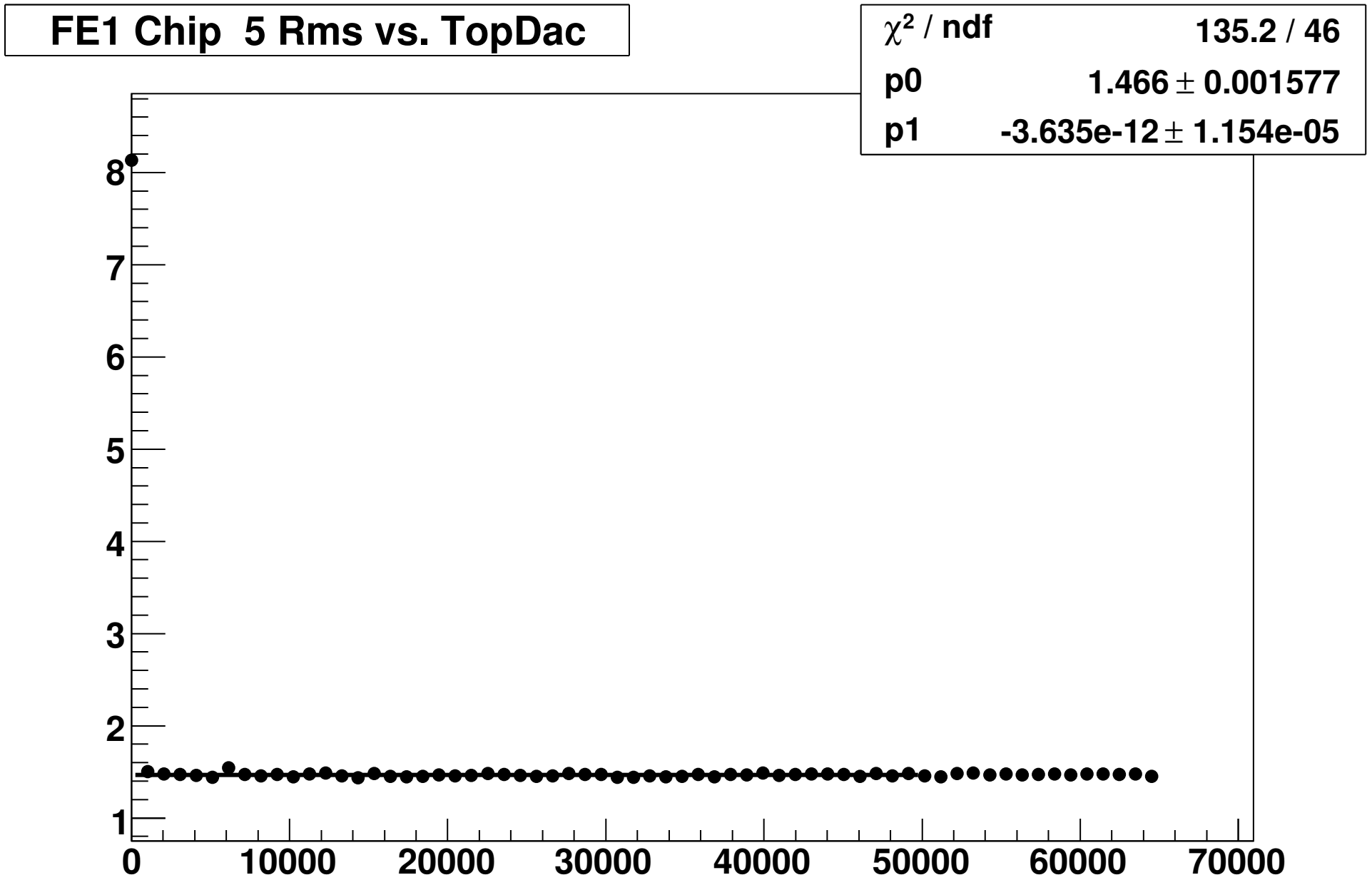
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 135.2 / 46
p0 1.466 ± 0.001577
p1 -3.635e-12 ± 1.154e-05
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7
6
5
4
3
2
1
0
10000
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30000
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60000
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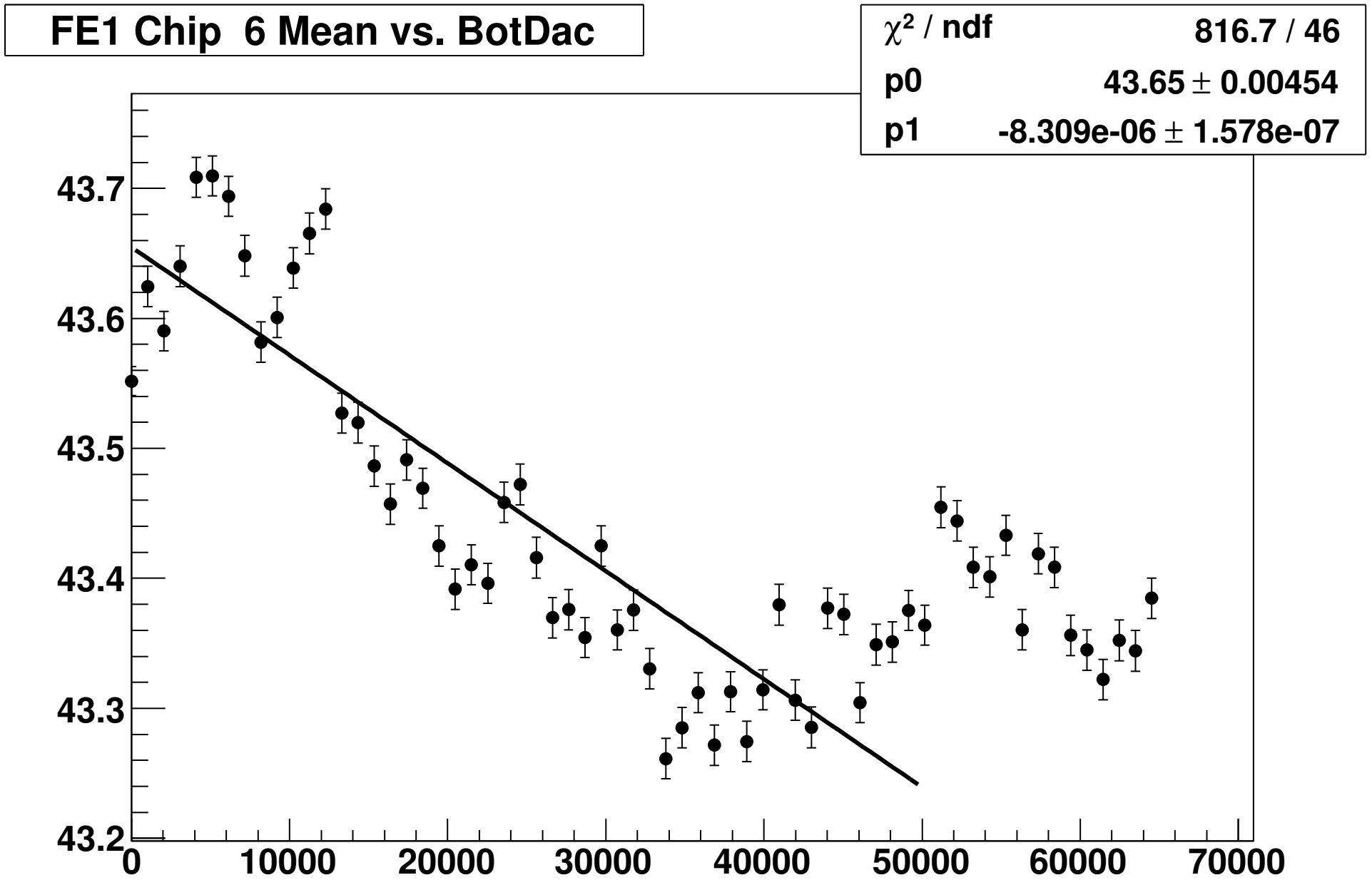
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 816.7 / 46
p0 43.65 ± 0.00454
p1 -8.309e-06 ± 1.578e-07
43.7
43.6
43.5
43.4
43.3
43.2
0
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50000
60000
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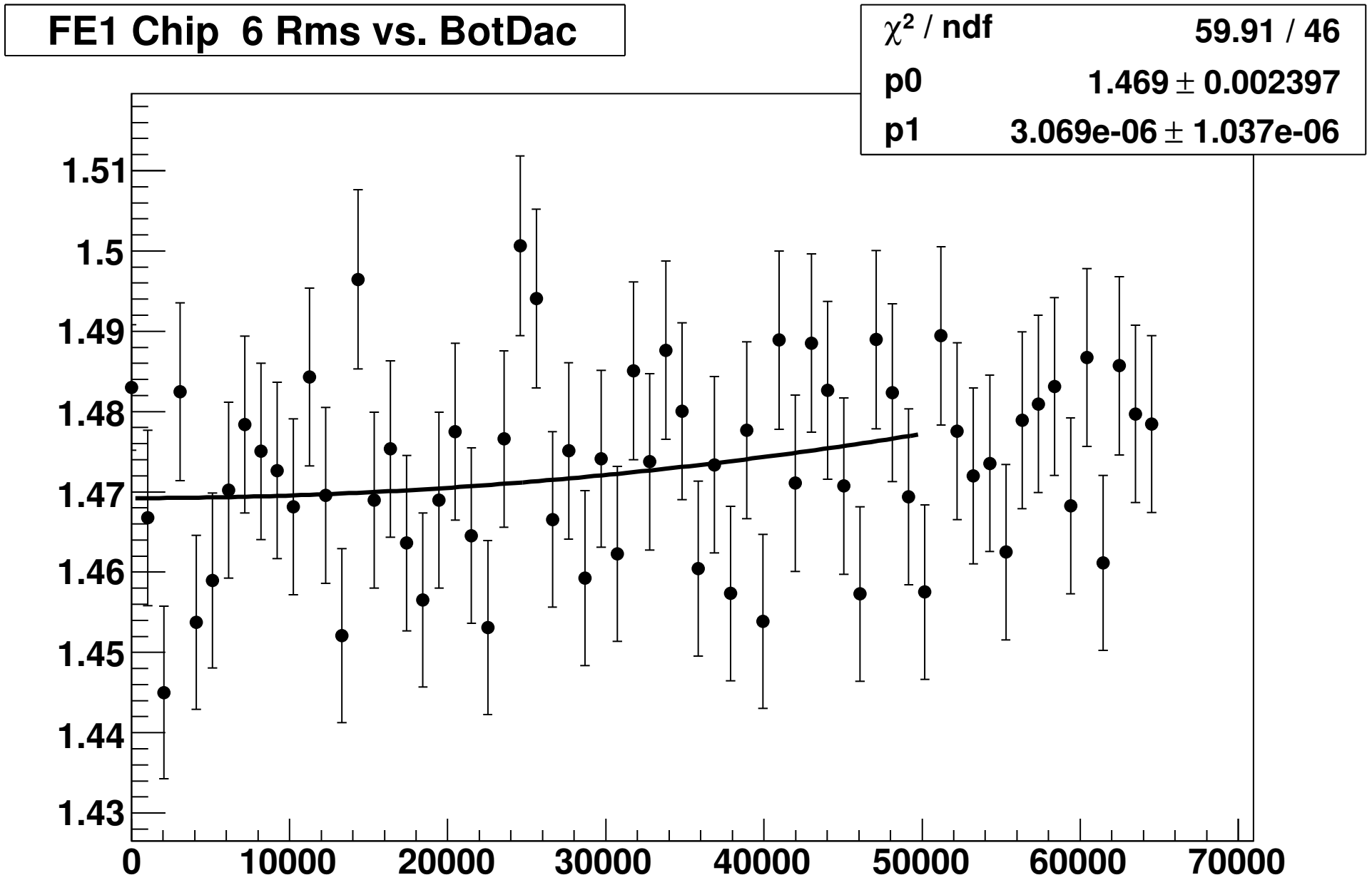
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 59.91 / 46
p0 1.469 ± 0.002397
p1 3.069e-06 ± 1.037e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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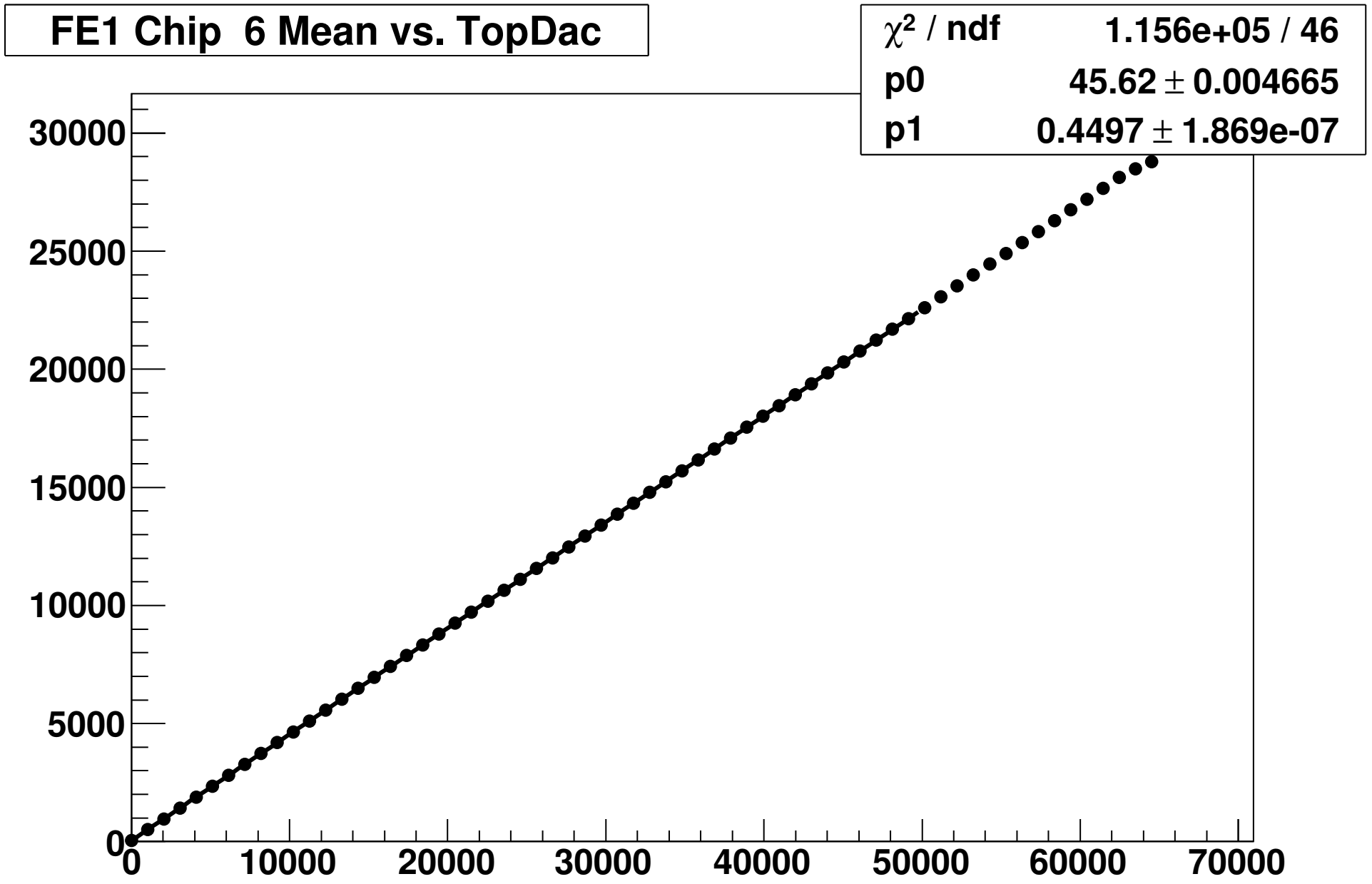
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.156e+05 / 46
p0 45.62 ± 0.004665
p1 0.4497 ± 1.869e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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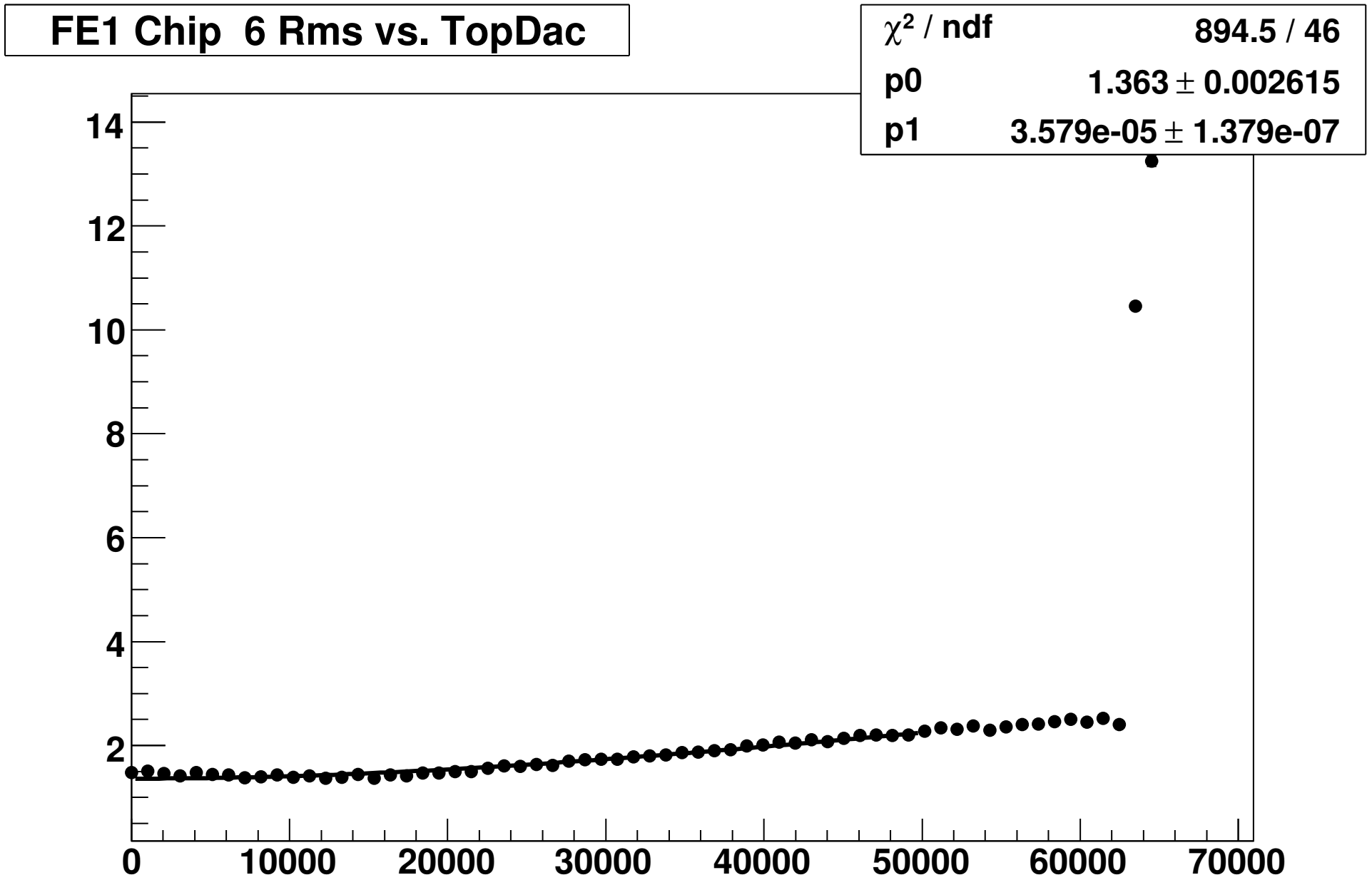
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 894.5 / 46
p0 1.363 ± 0.002615
p1 3.579e-05 ± 1.379e-07
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12
10
8
6
4
2
0
10000
20000
30000
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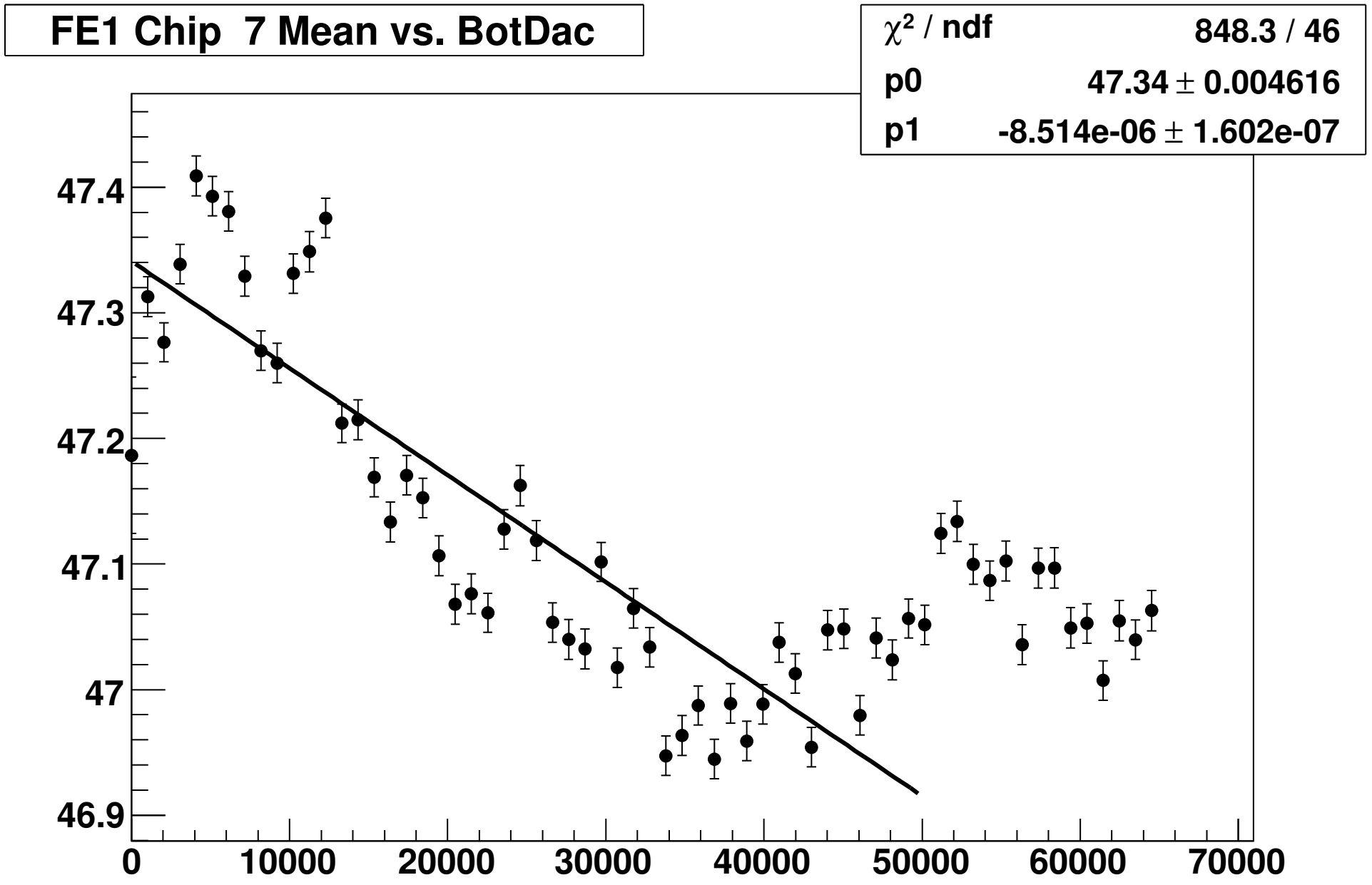
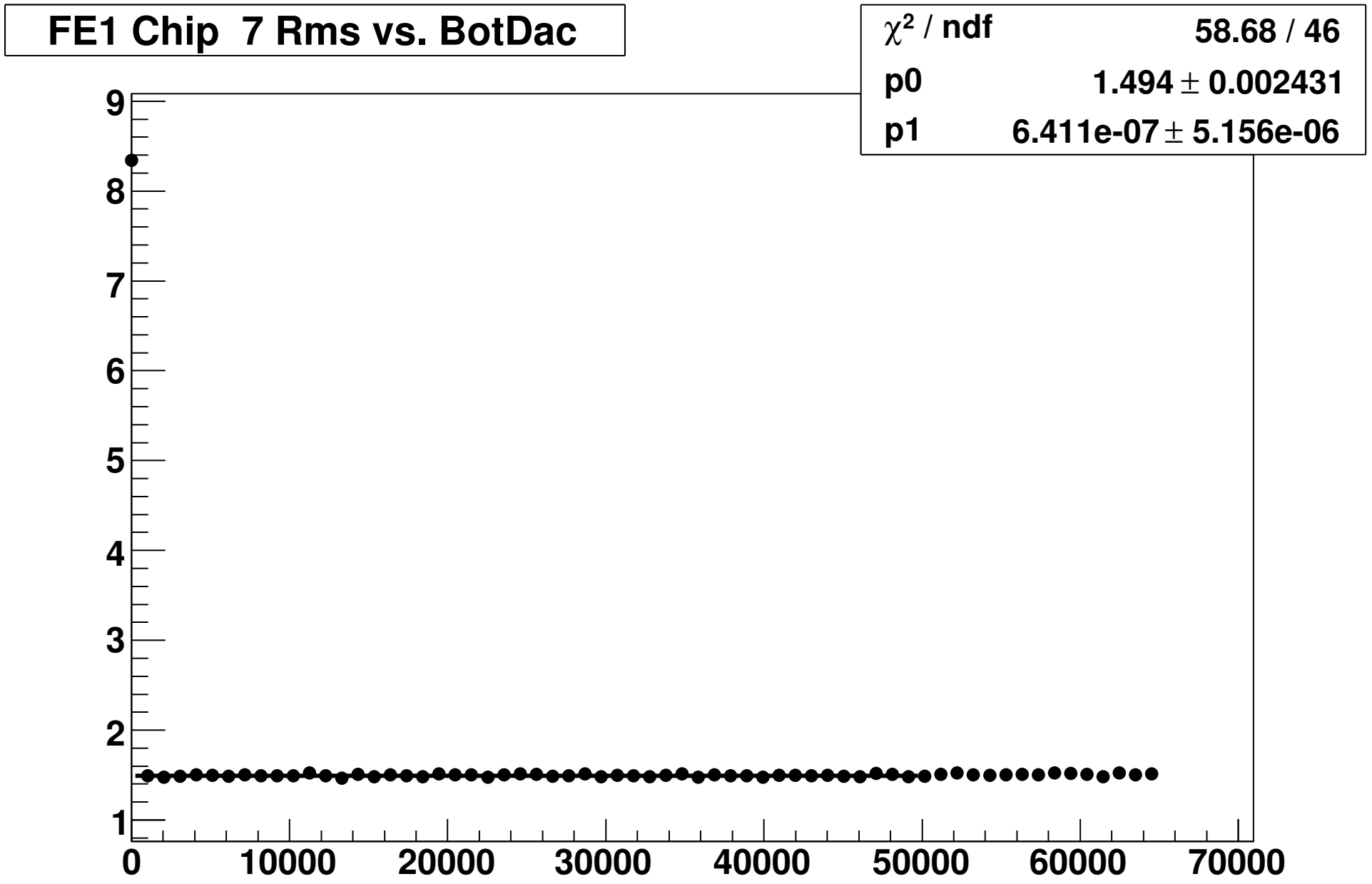

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 848.3 / 46
p0 47.34 ± 0.004616
p1 -8.514e-06 ± 1.602e-07
47.4
47.3
47.2
47.1
47
46.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 58.68 / 46
p0 1.494 ± 0.002431
p1 6.411e-07 ± 5.156e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
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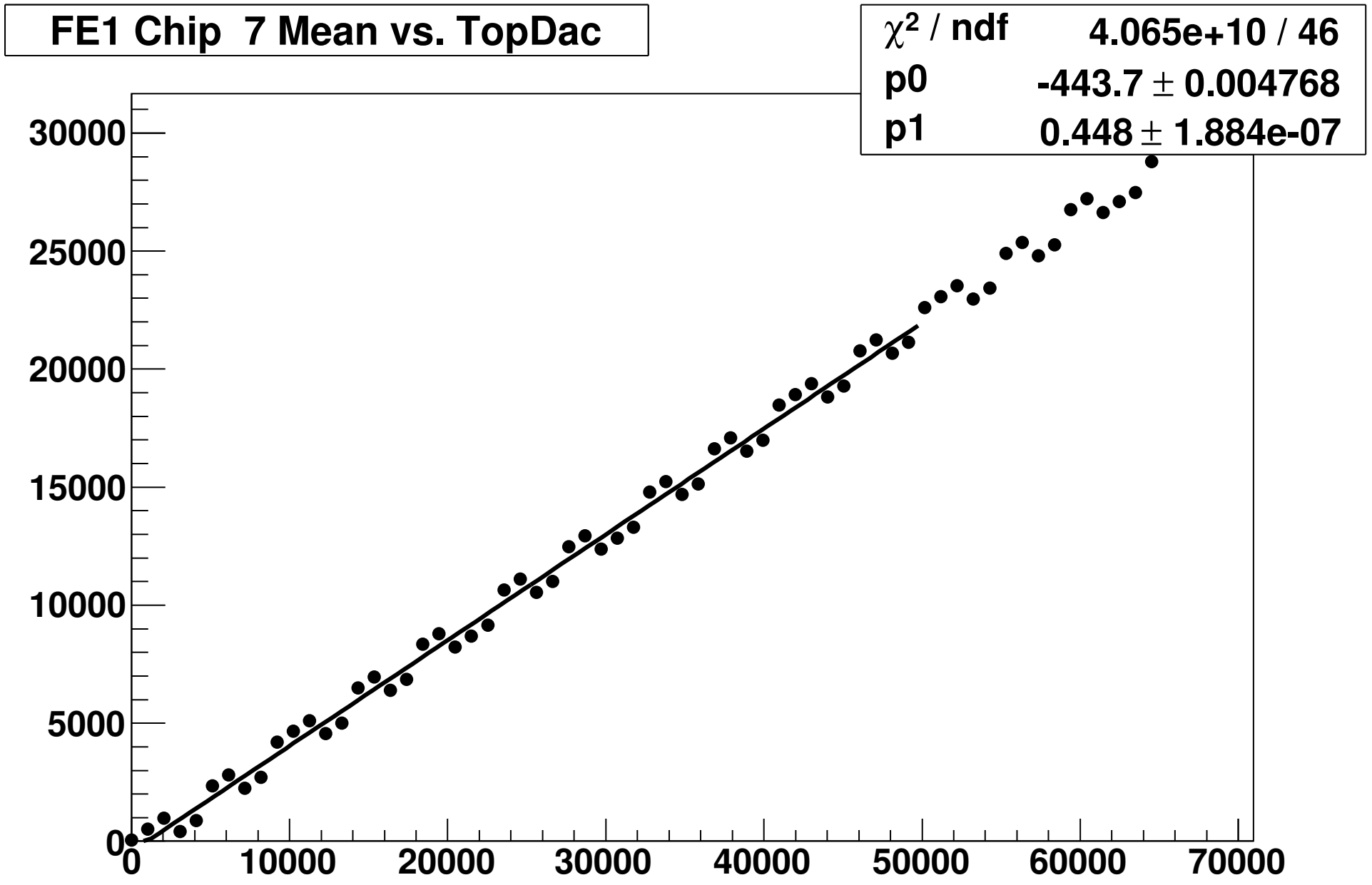
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 4.065e+10 / 46
p0 -443.7 ± 0.004768
p1 0.448 ± 1.884e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
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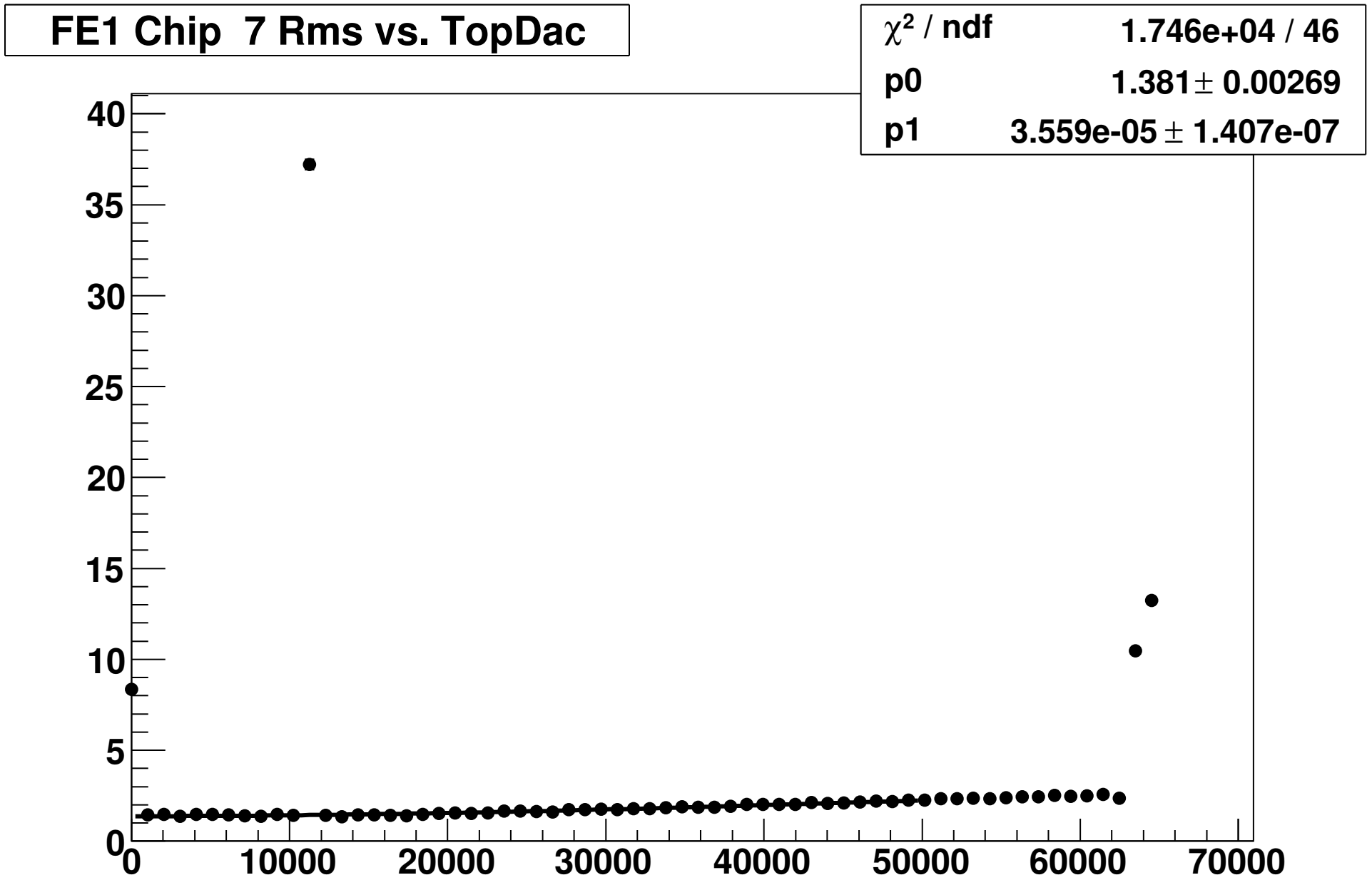
FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1.746e+04 / 46
p0 1.381 ± 0.00269
p1 3.559e-05 ± 1.407e-07
40
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
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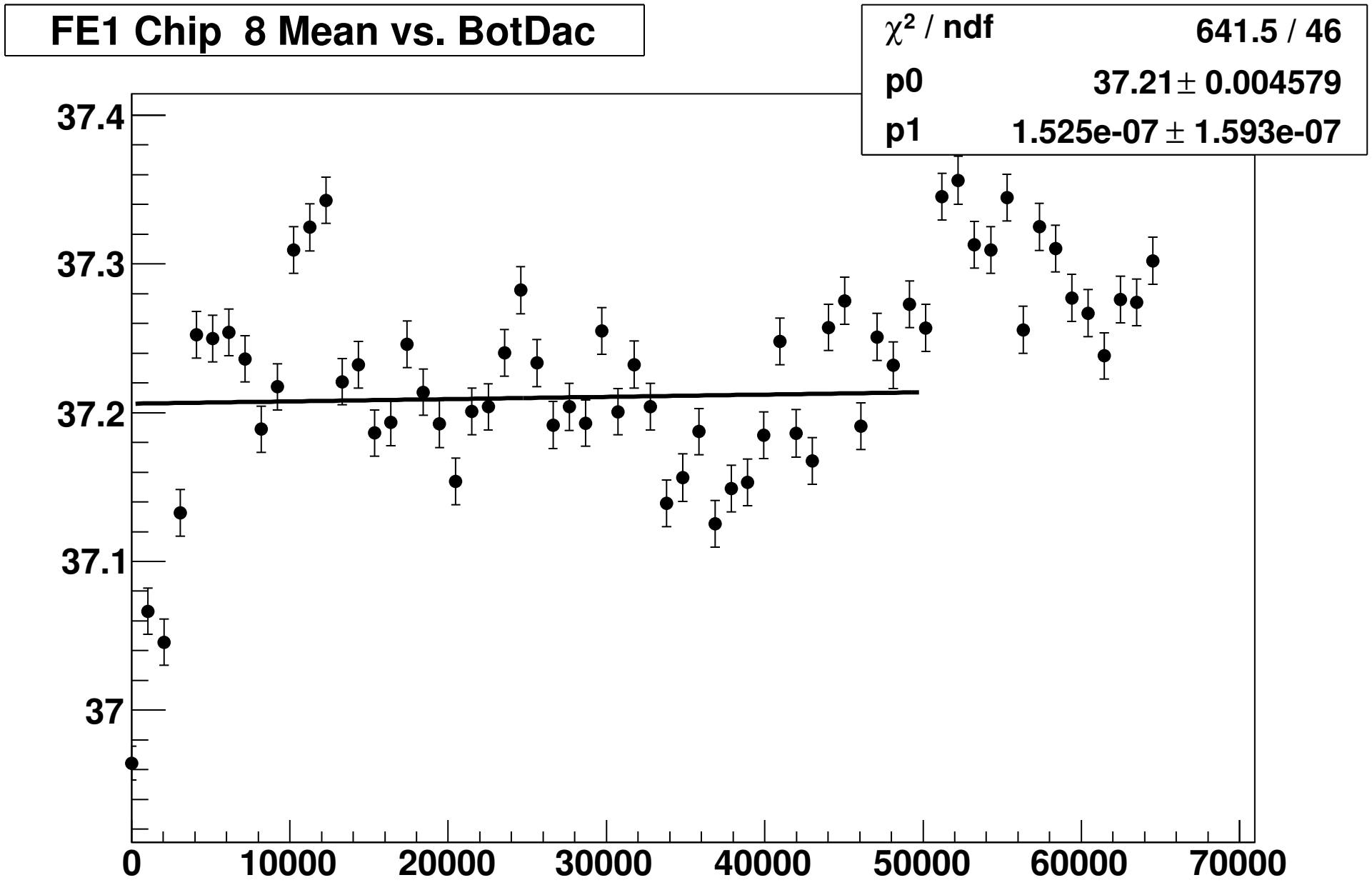
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 641.5 / 46
p0 37.21 ± 0.004579
p1 1.525e-07 ± 1.593e-07
37.4
37.3
37.2
37.1
37
0
10000
20000
30000
40000
50000
60000
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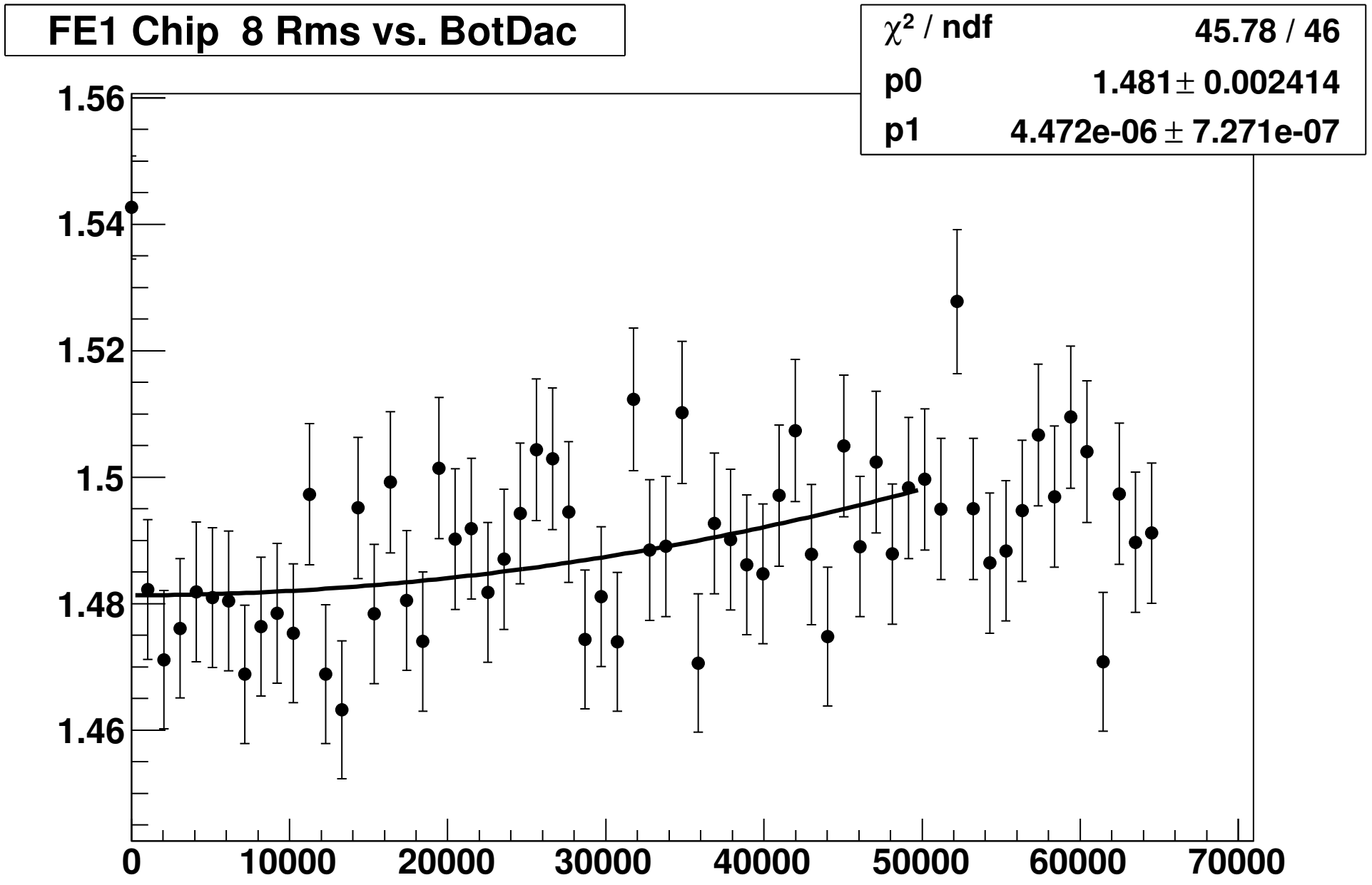
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 45.78 / 46
p0 1.481 ± 0.002414
p1 4.472e-06 ± 7.271e-07
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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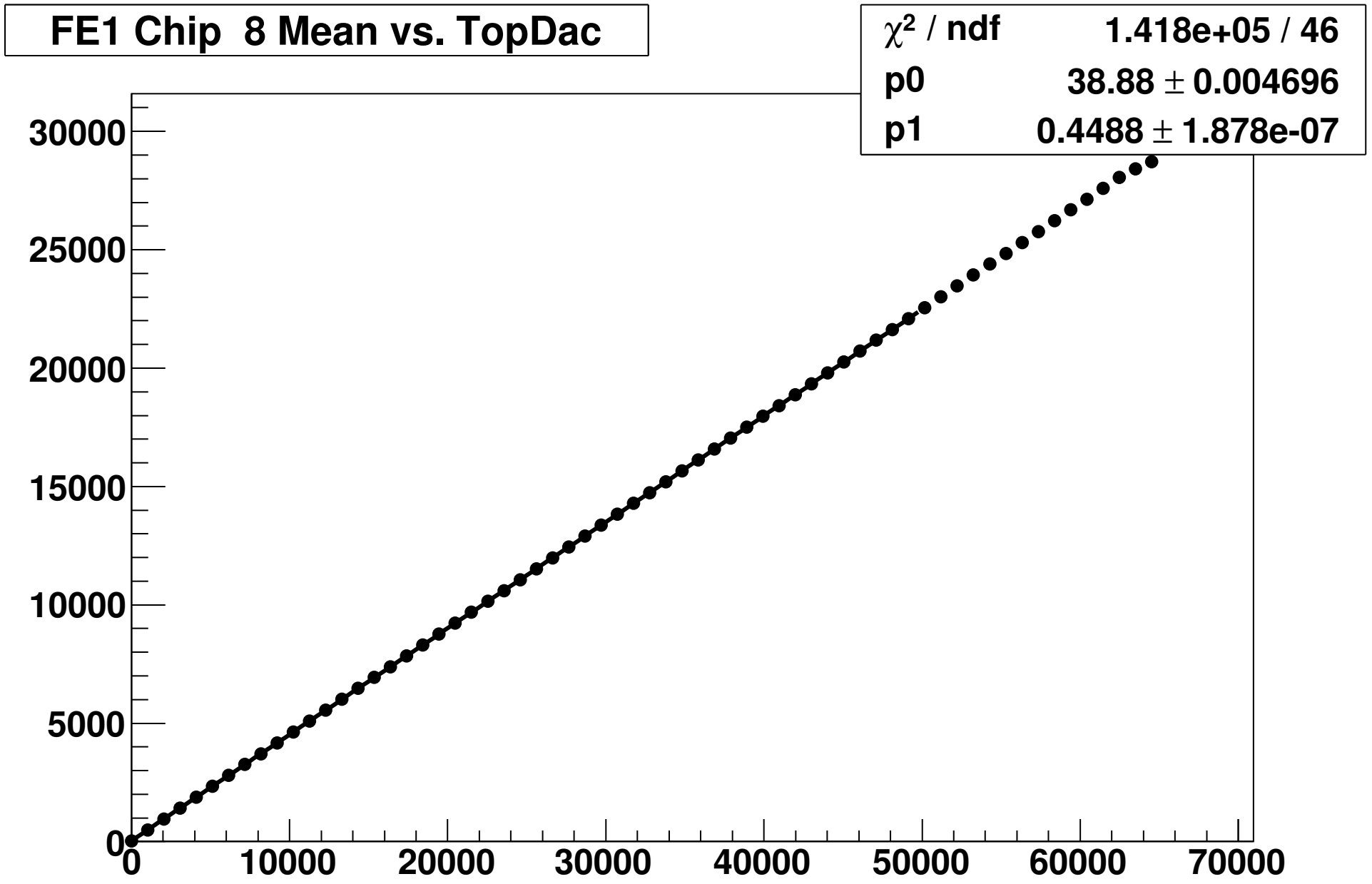
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.418e+05 / 46
p0 38.88 ± 0.004696
p1 0.4488 ± 1.878e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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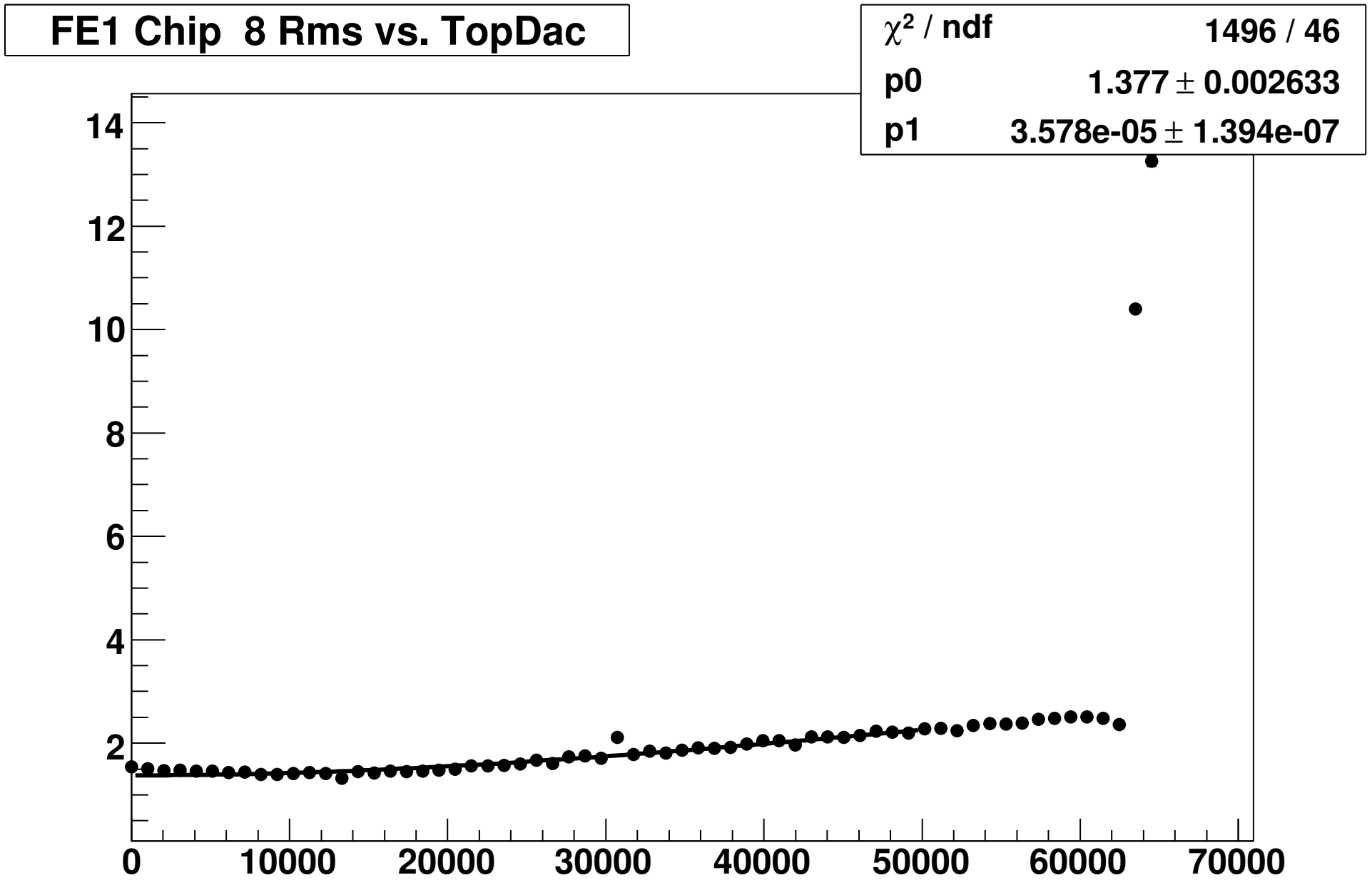
FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1496 / 46
p0 1.377 ± 0.002633
p1 3.578e-05 ± 1.394e-07
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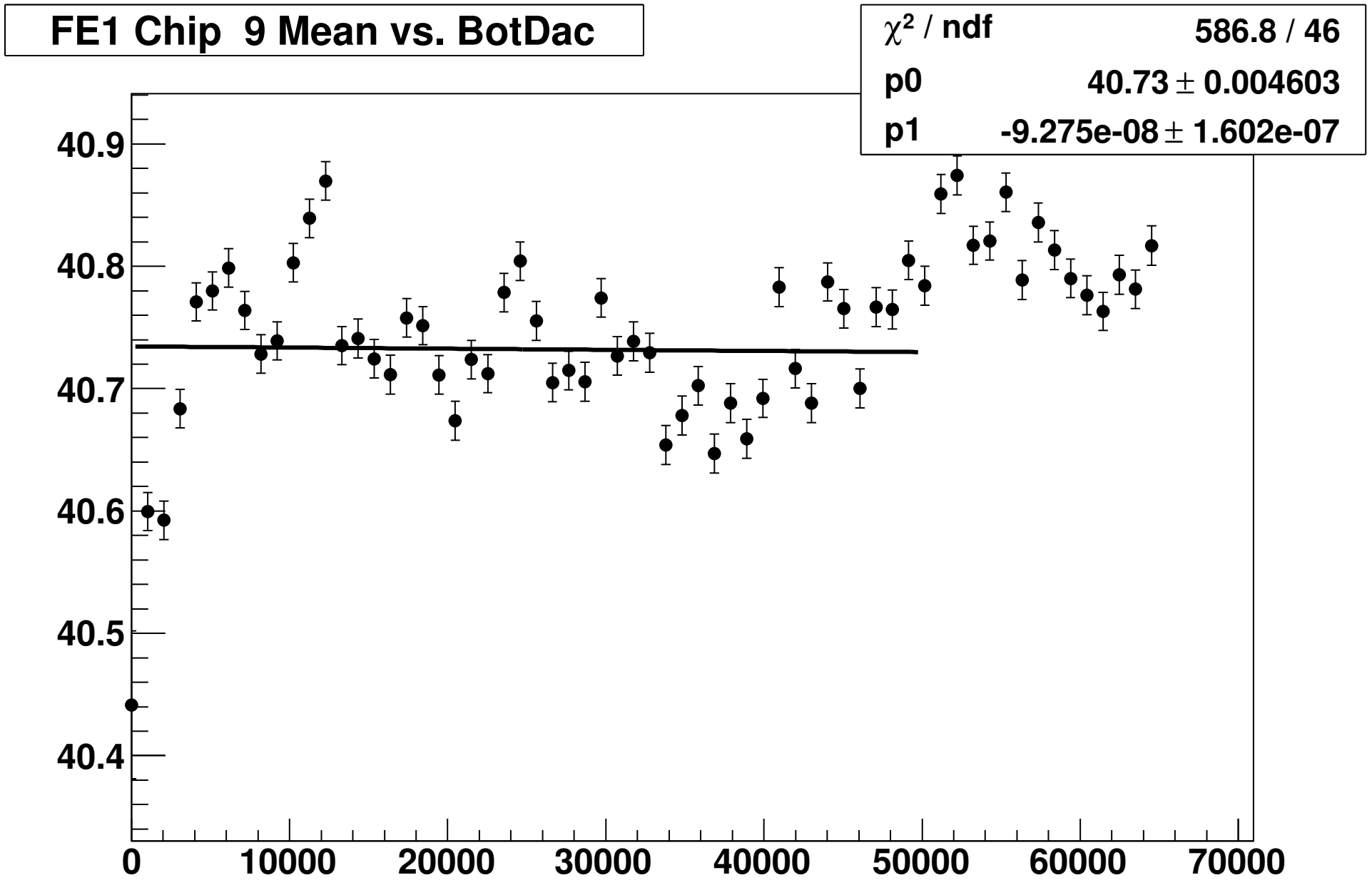
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 586.8 / 46
p0 40.73 ± 0.004603
p1 -9.275e-08 ± 1.602e-07
40.9
40.8
40.7
40.6
40.5
40.4
0
10000
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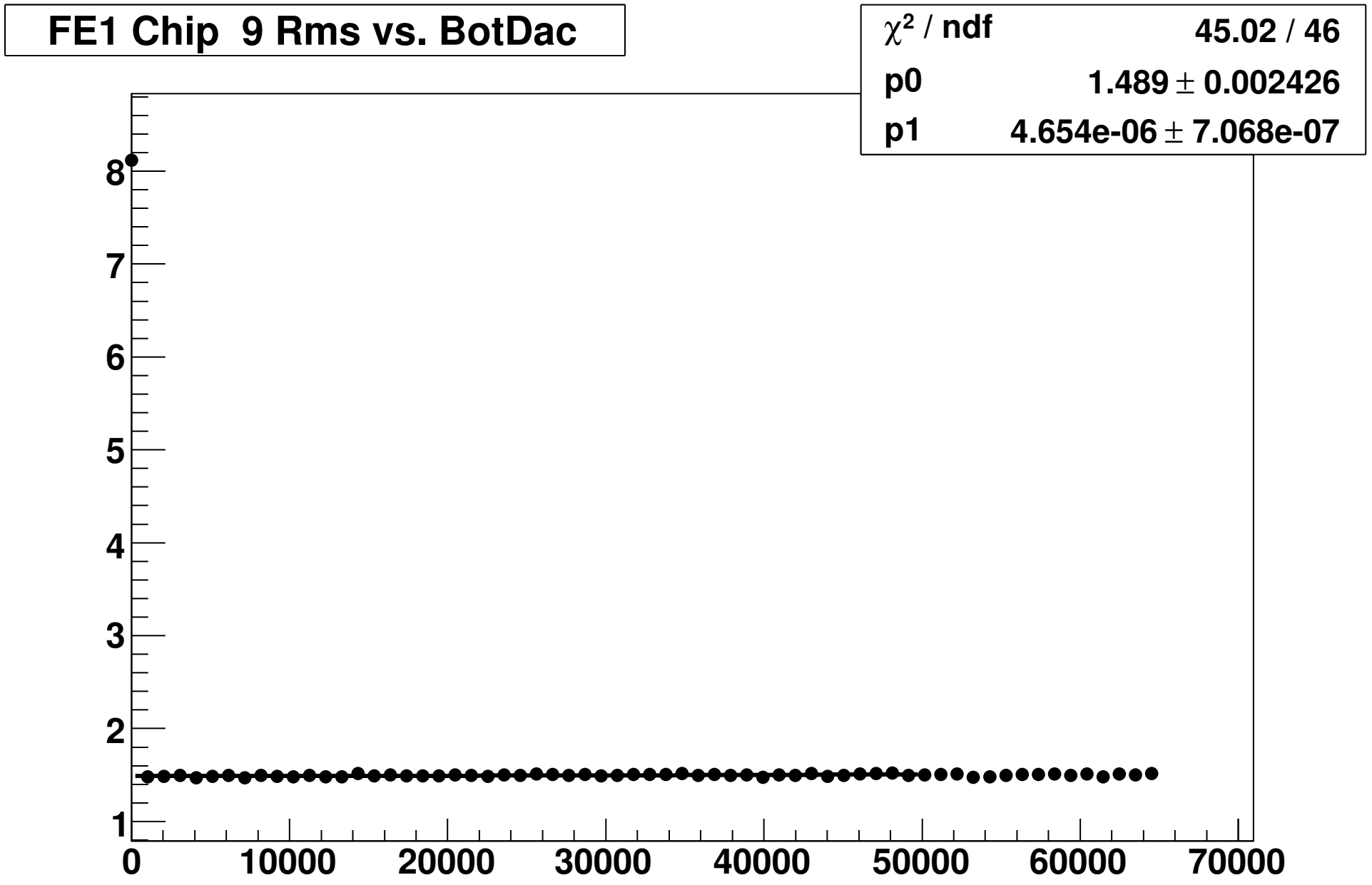
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 45.02 / 46
p0 1.489 ± 0.002426
p1 4.654e-06 ± 7.068e-07
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7
6
5
4
3
2
1
0
10000
20000
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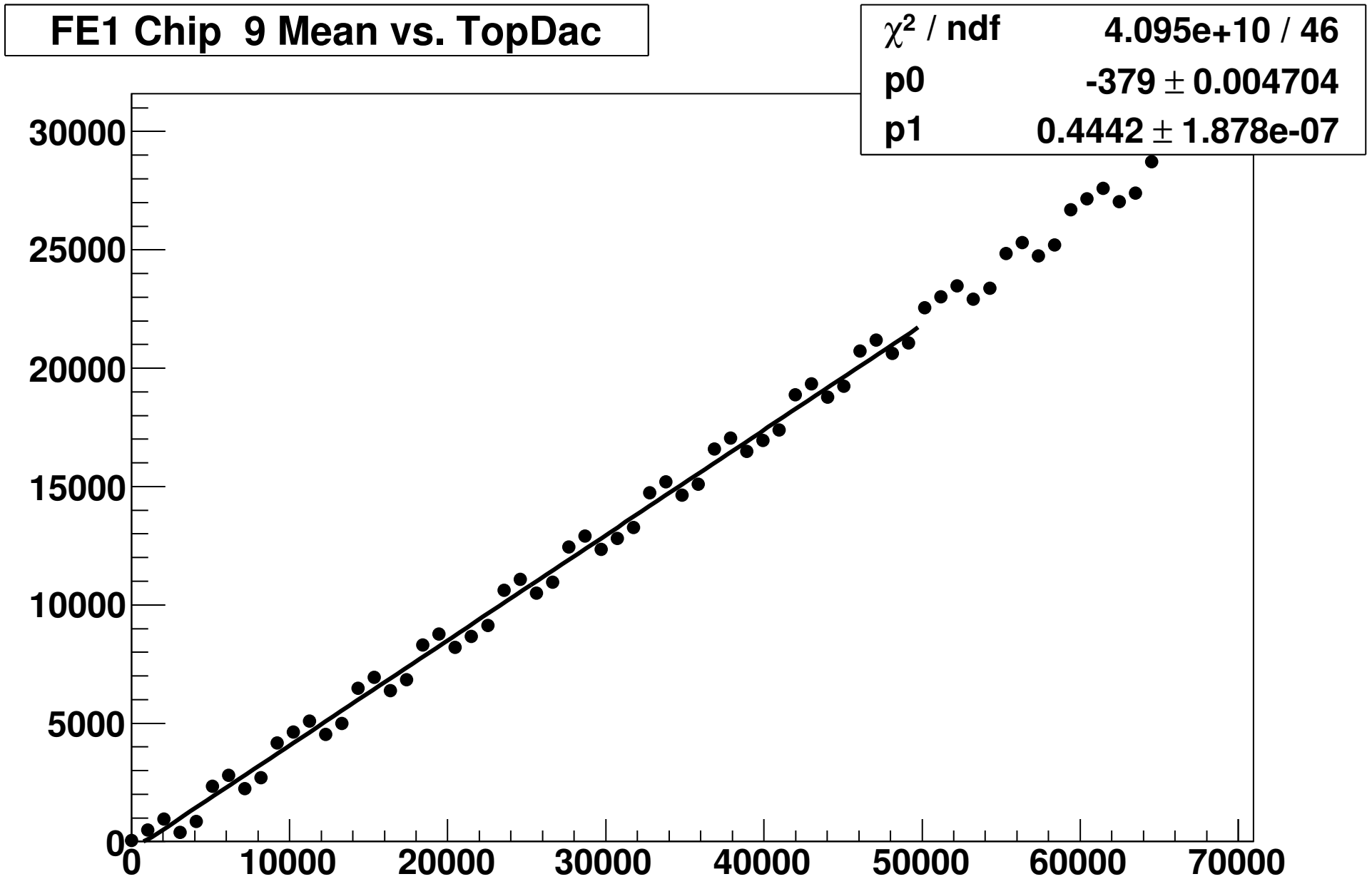
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 4.095e+10 / 46
p0 -379 ± 0.004704
p1 0.4442 ± 1.878e-07
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15000
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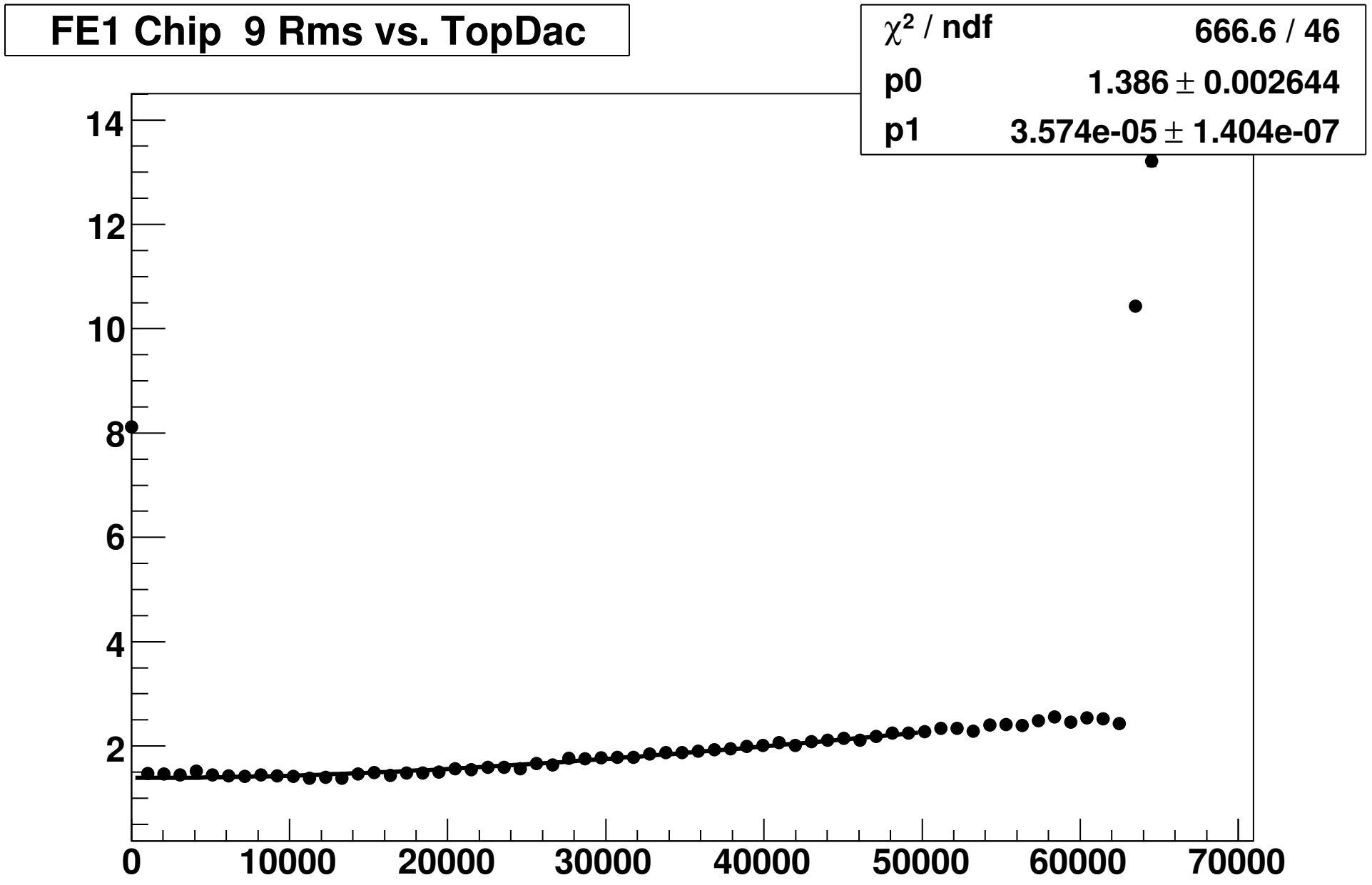
FE1 Chip 9 Rms vs. TopDac
χ² / ndf 666.6 / 46
p0 1.386 ± 0.002644
p1 3.574e-05 ± 1.404e-07
14
12
10
8
6
4
2
0
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20000
30000
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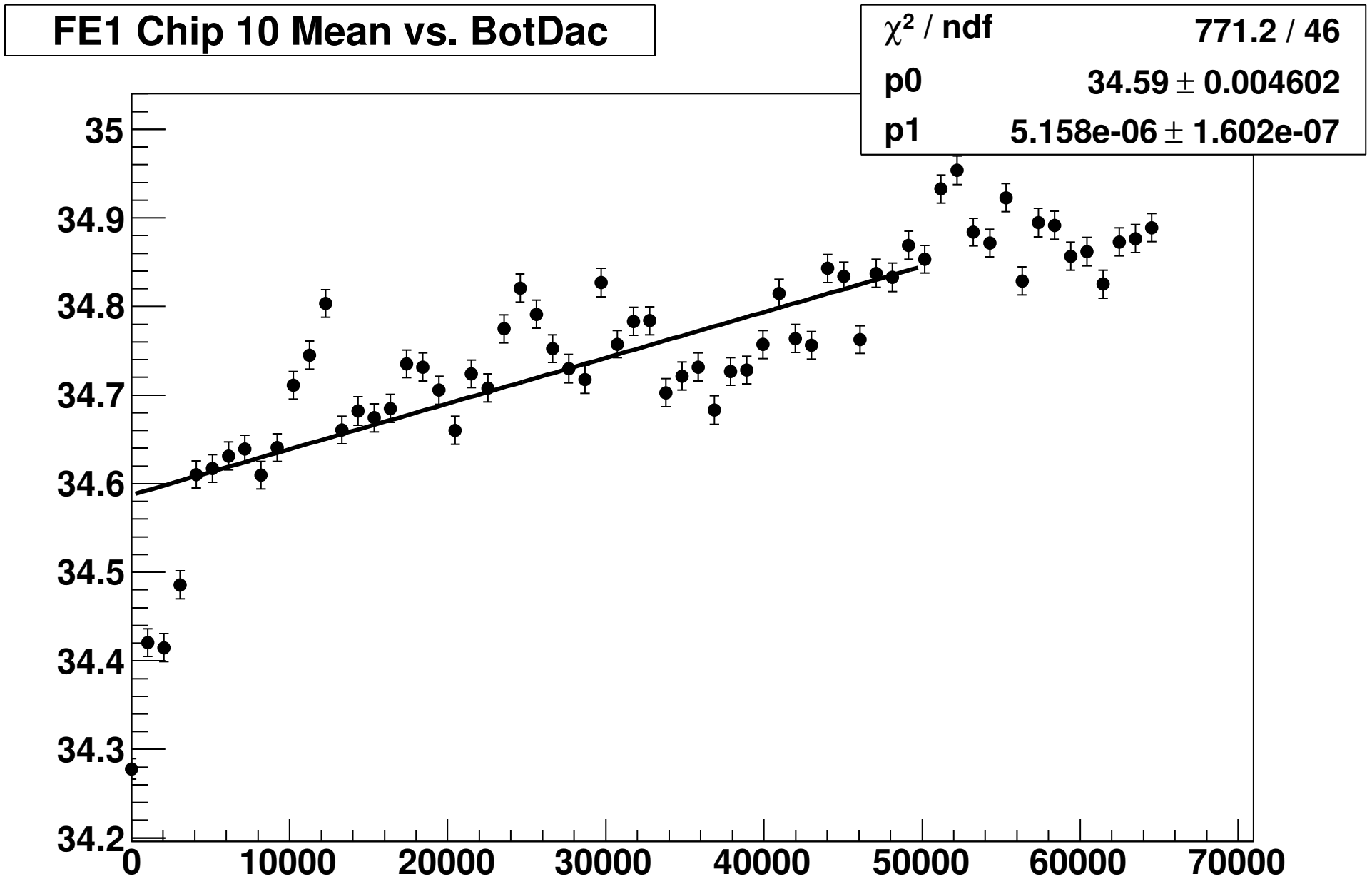
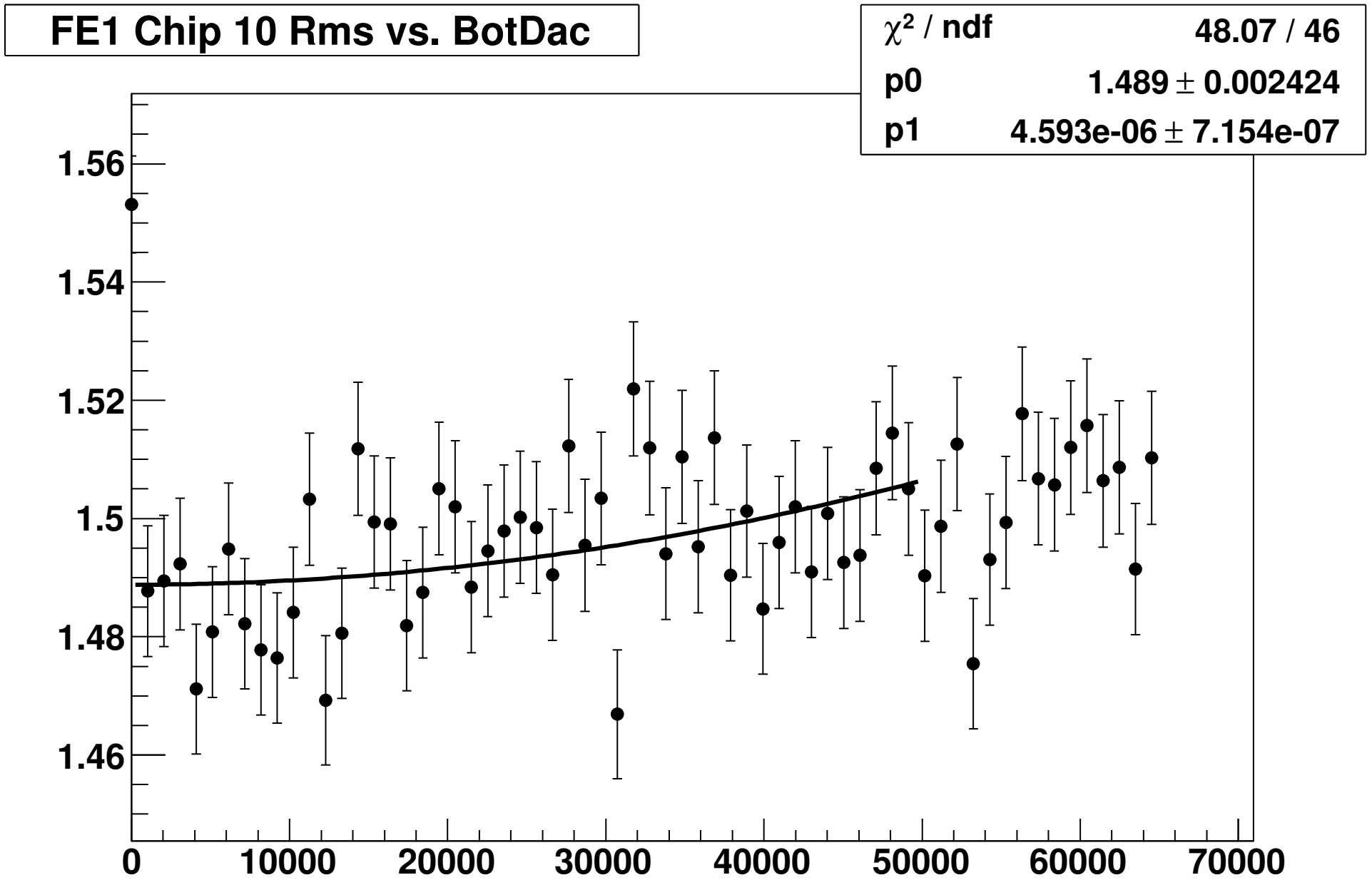
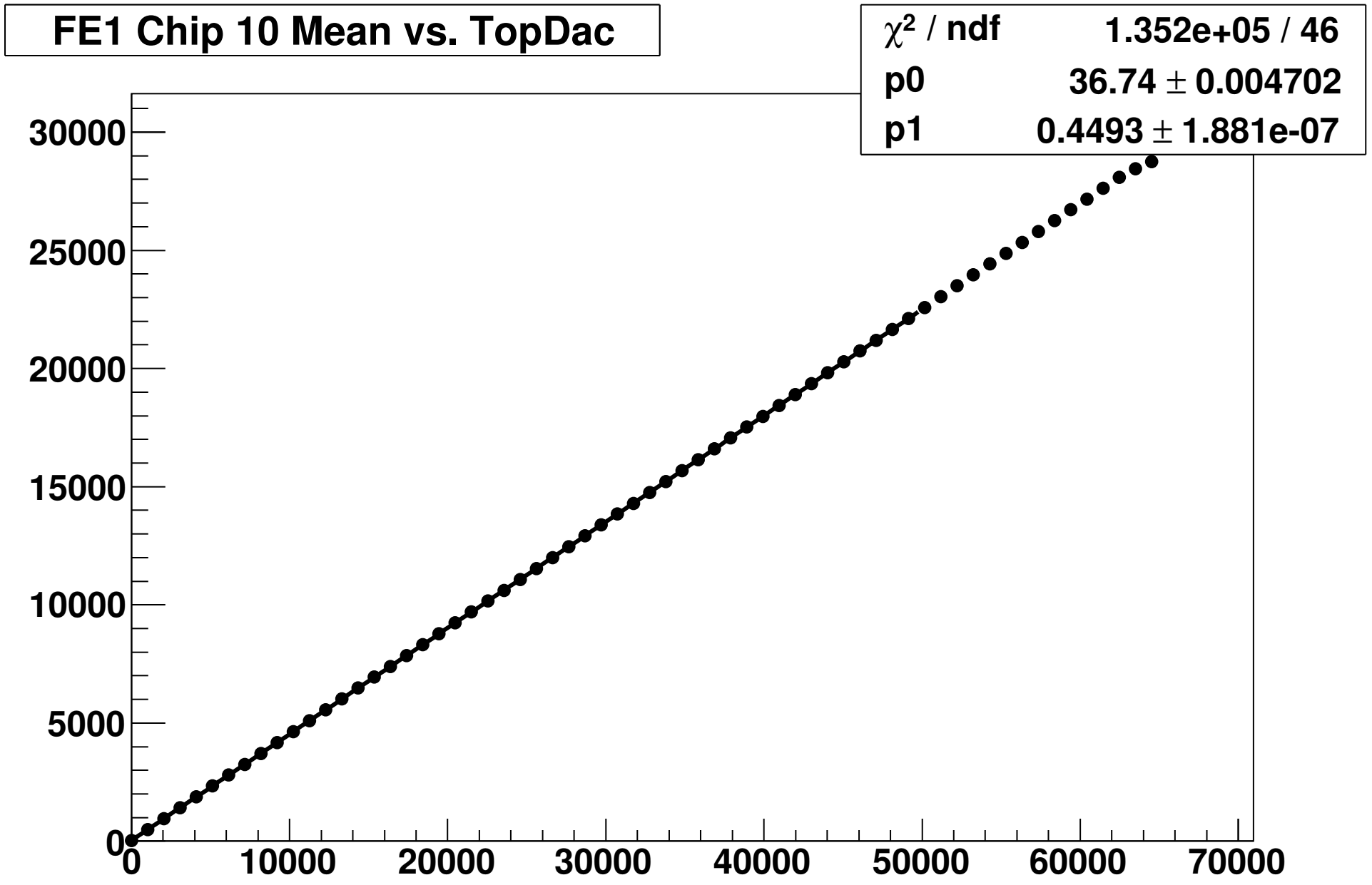

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 771.2 / 46
p0 34.59 ± 0.004602
p1 5.158e-06 ± 1.602e-07
35
34.9
34.8
34.7
34.6
34.5
34.4
34.3
34.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 48.07 / 46
p0 1.489 ± 0.002424
p1 4.593e-06 ± 7.154e-07
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.352e+05 / 46
p0 36.74 ± 0.004702
p1 0.4493 ± 1.881e-07
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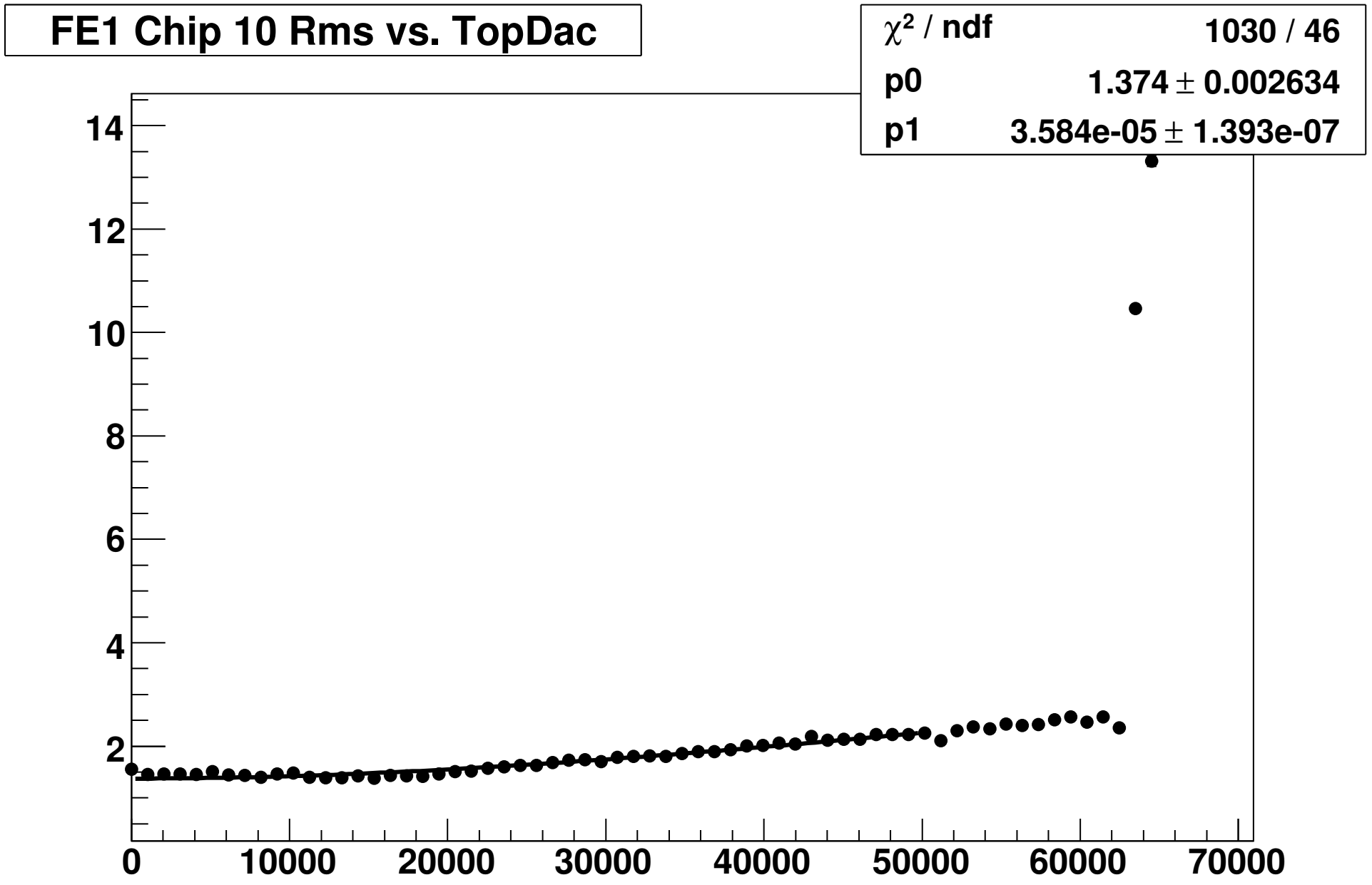
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1030 / 46
p0 1.374 ± 0.002634
p1 3.584e-05 ± 1.393e-07
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12
10
8
6
4
2
0
10000
20000
30000
40000
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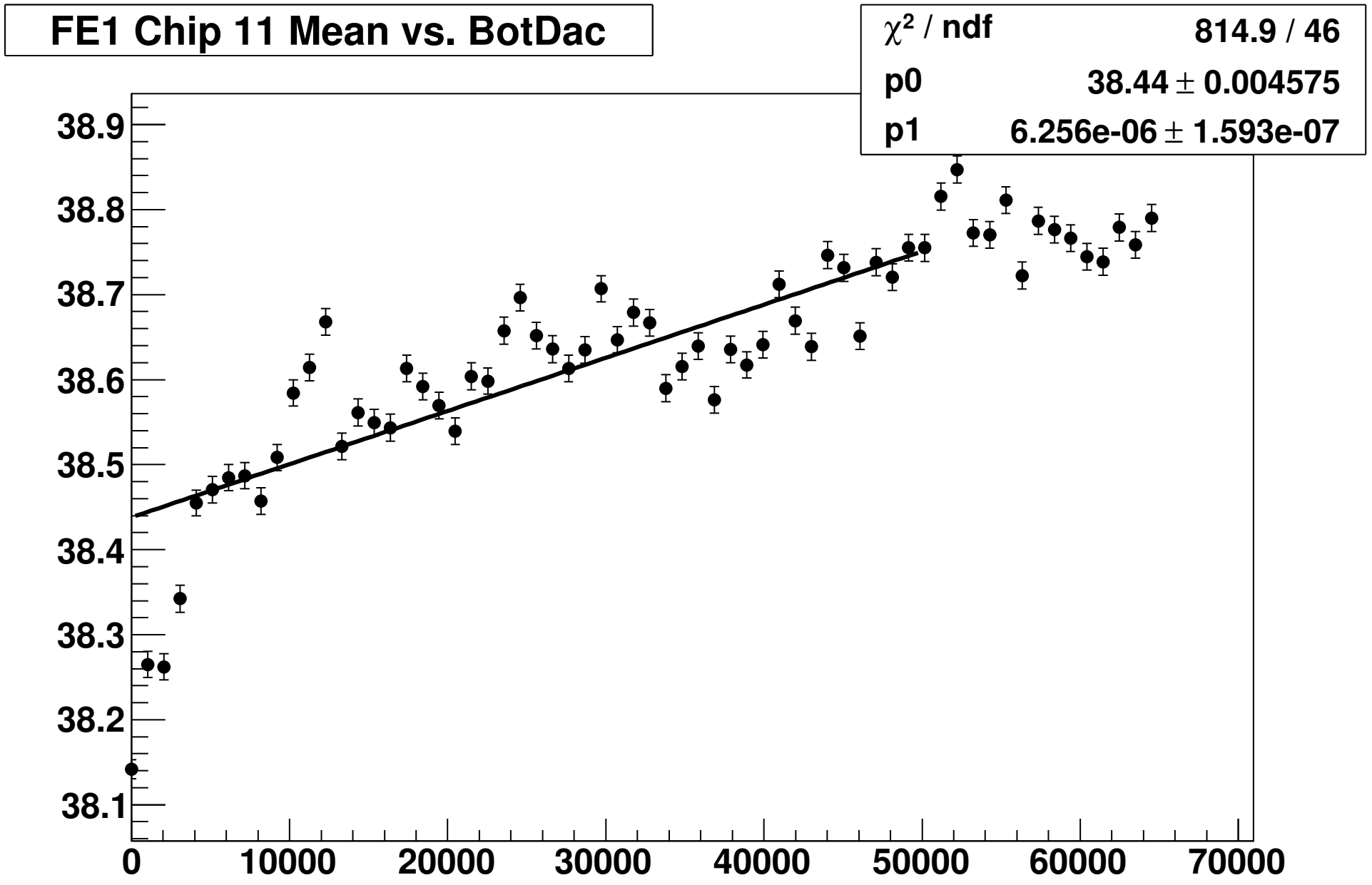
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 814.9 / 46
p0 38.44 ± 0.004575
p1 6.256e-06 ± 1.593e-07
38.9
38.8
38.7
38.6
38.5
38.4
38.3
38.2
38.1
0
10000
20000
30000
40000
50000
60000
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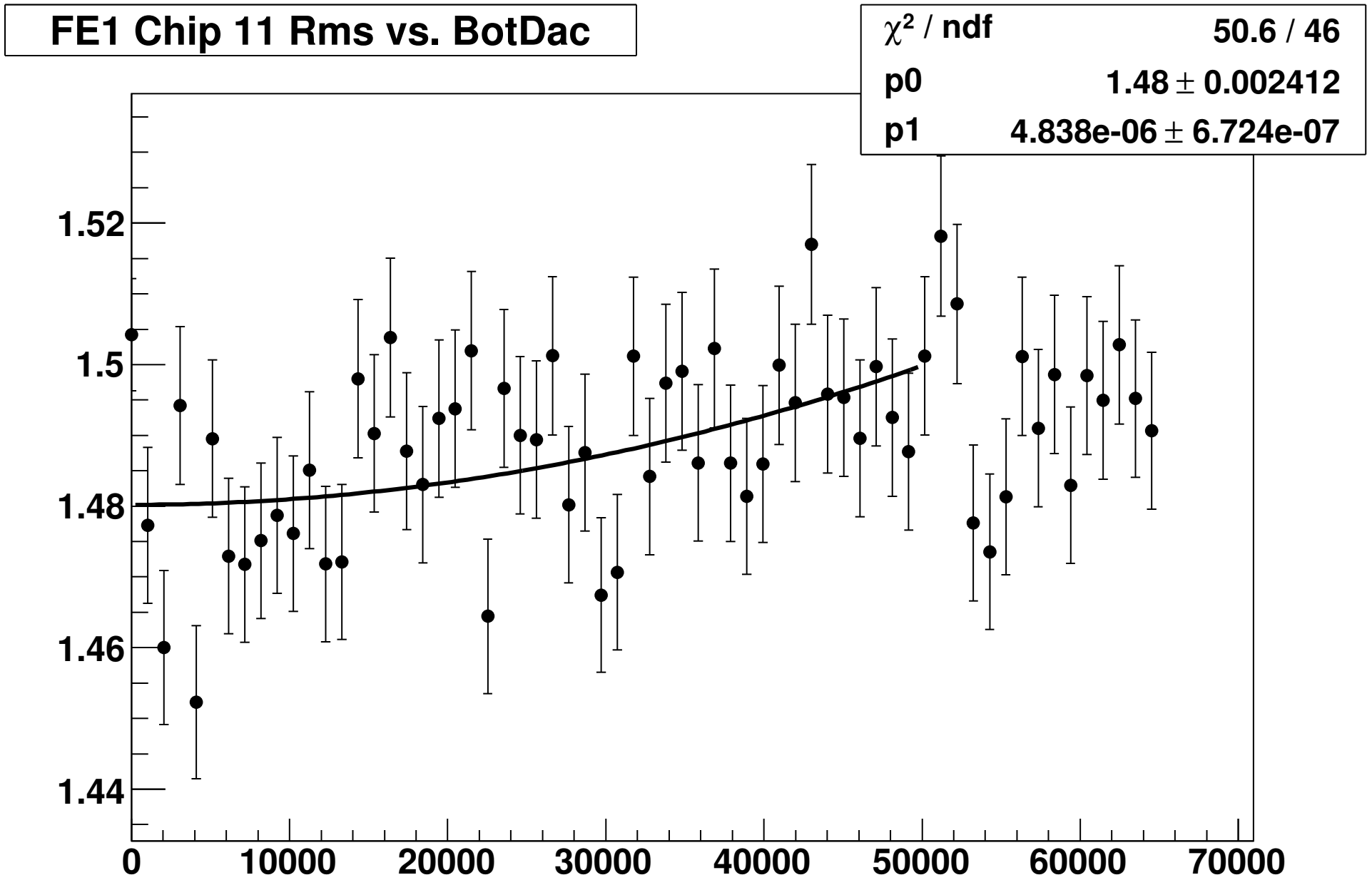
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 50.6 / 46
p0 1.48 ± 0.002412
p1 4.838e-06 ± 6.724e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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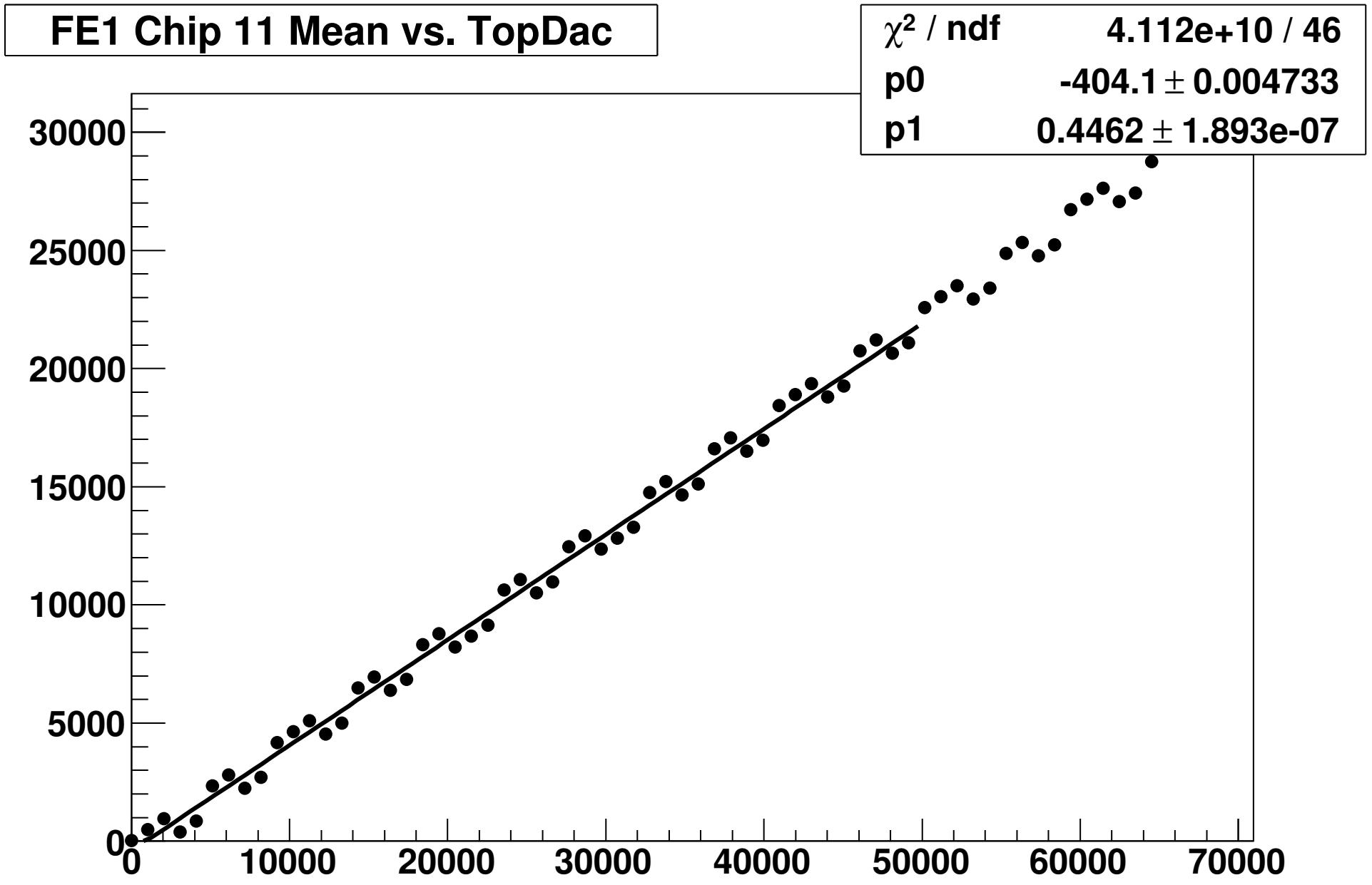
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 4.112e+10 / 46
p0 -404.1 ± 0.004733
p1 0.4462 ± 1.893e-07
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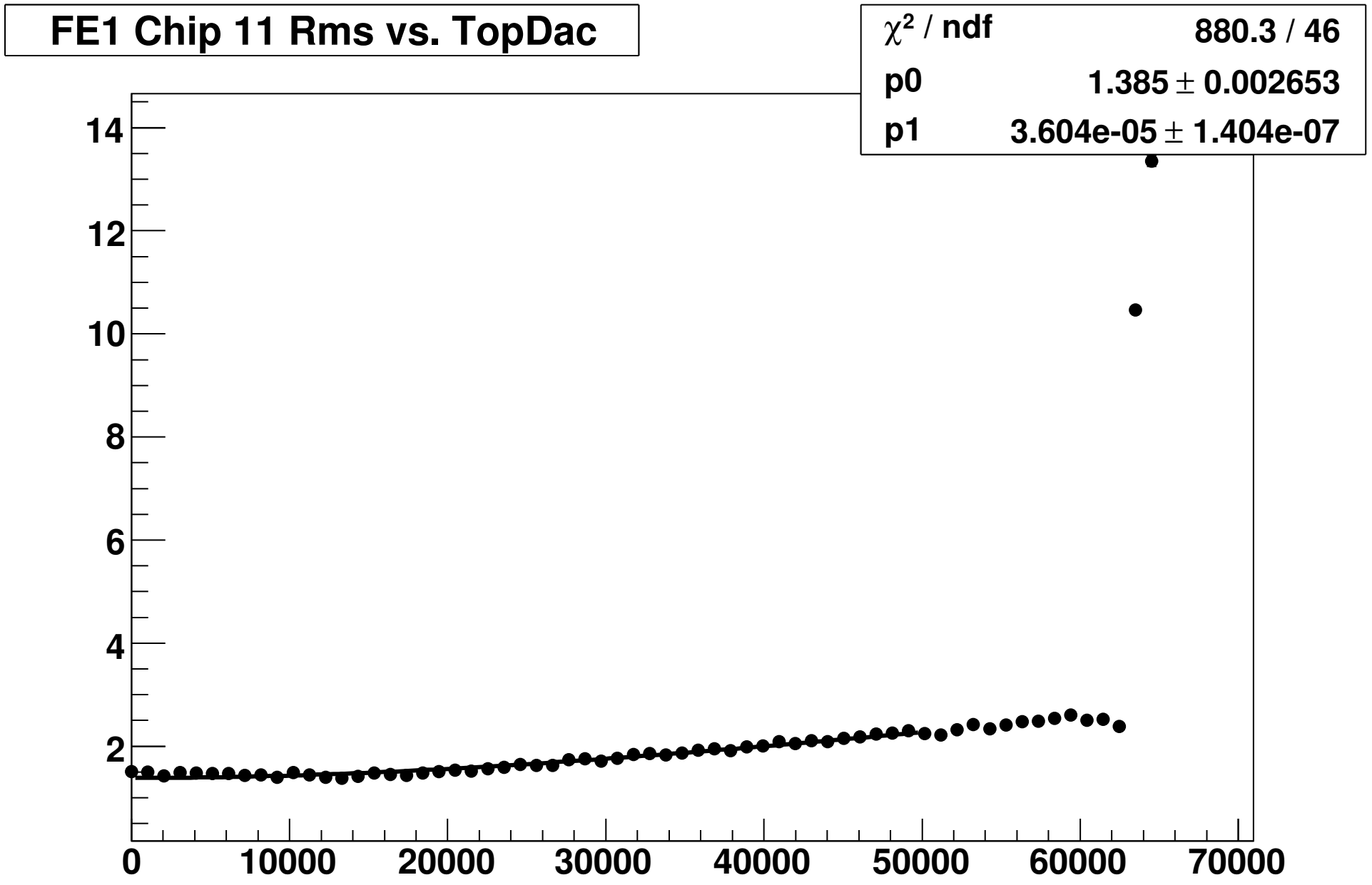
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 880.3 / 46
p0 1.385 ± 0.002653
p1 3.604e-05 ± 1.404e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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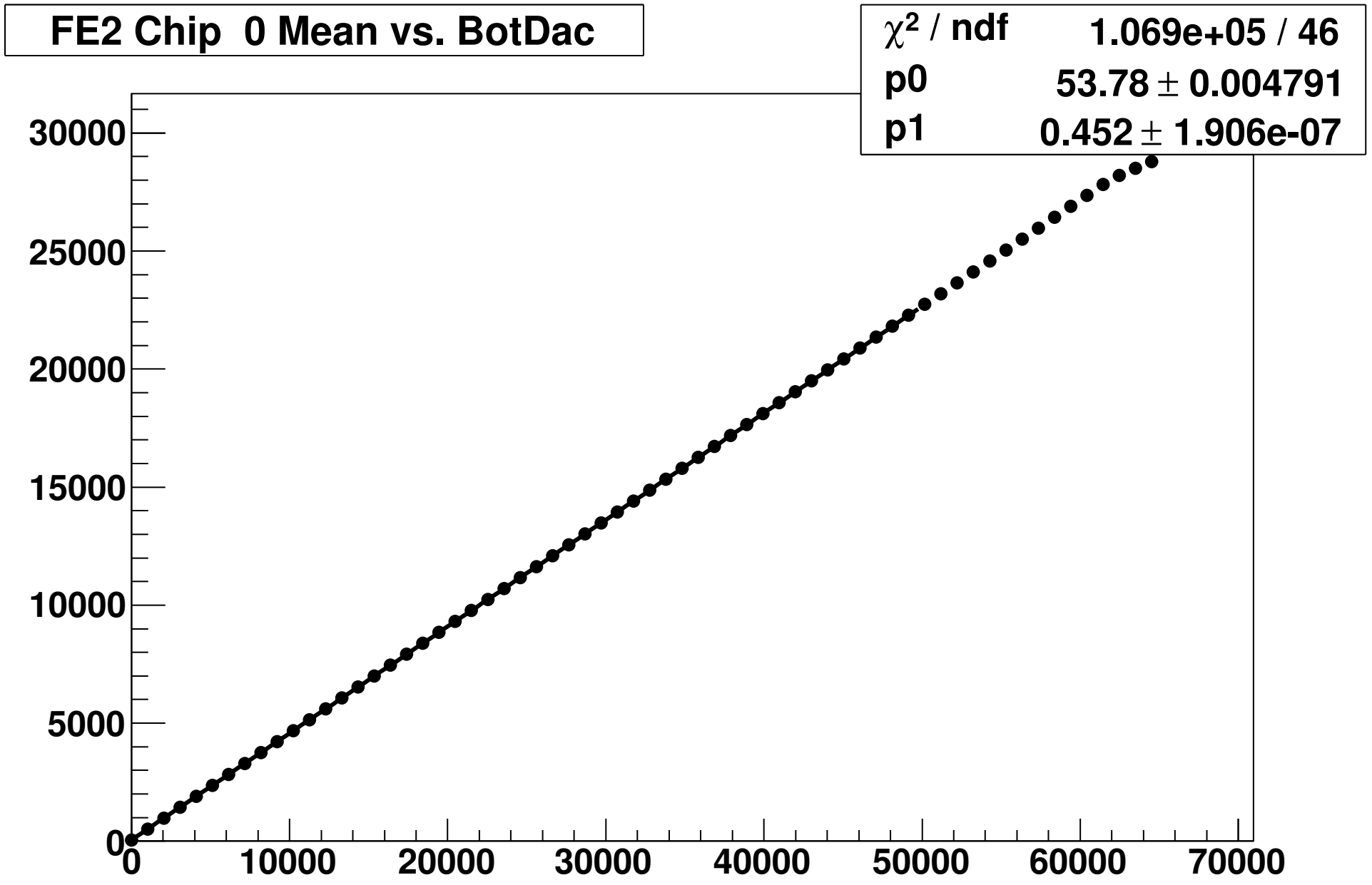
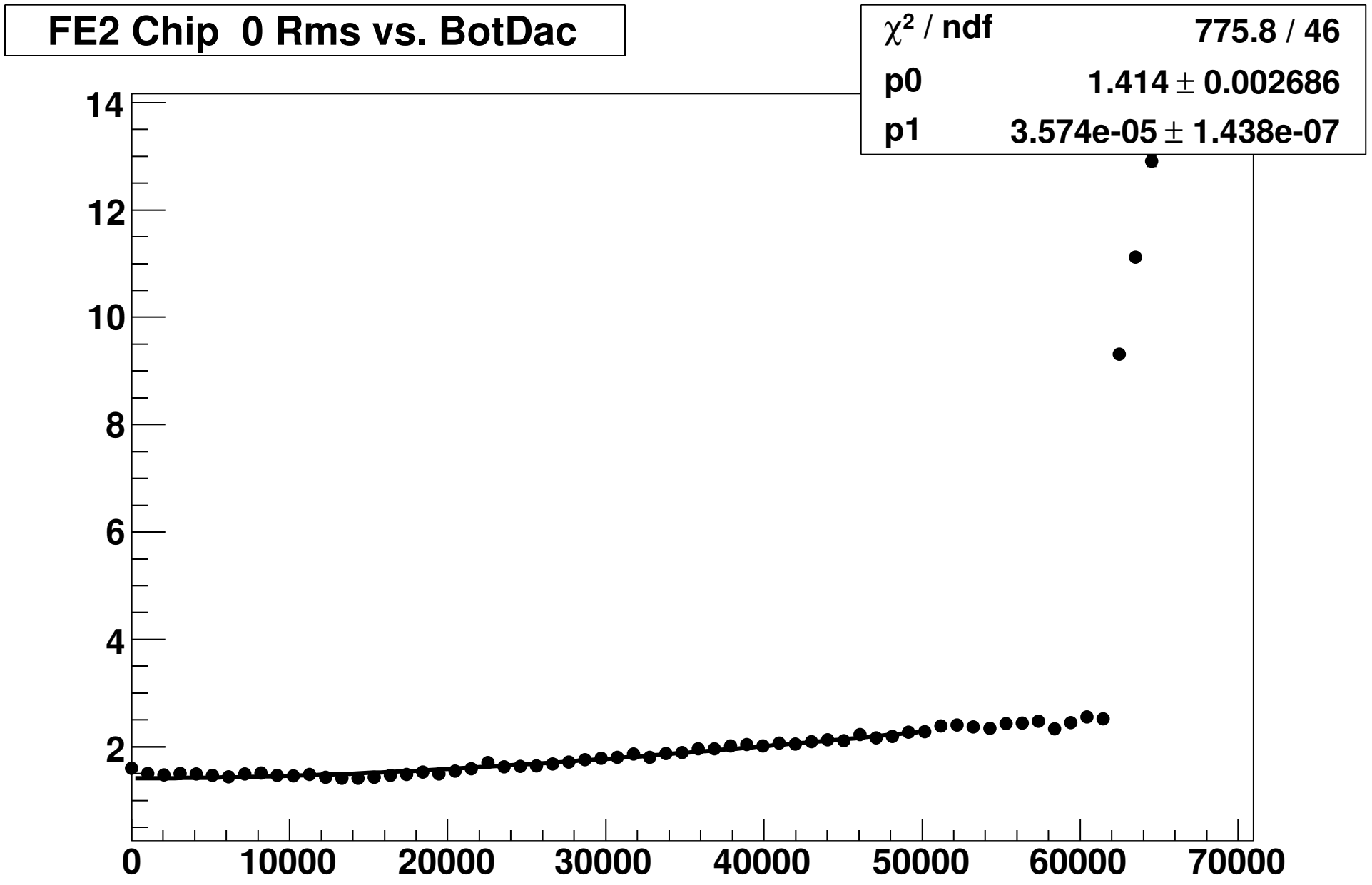
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.069e+05 / 46
p0 53.78 ± 0.004791
p1 0.452 ± 1.906e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 775.8 / 46
p0 1.414 ± 0.002686
p1 3.574e-05 ± 1.438e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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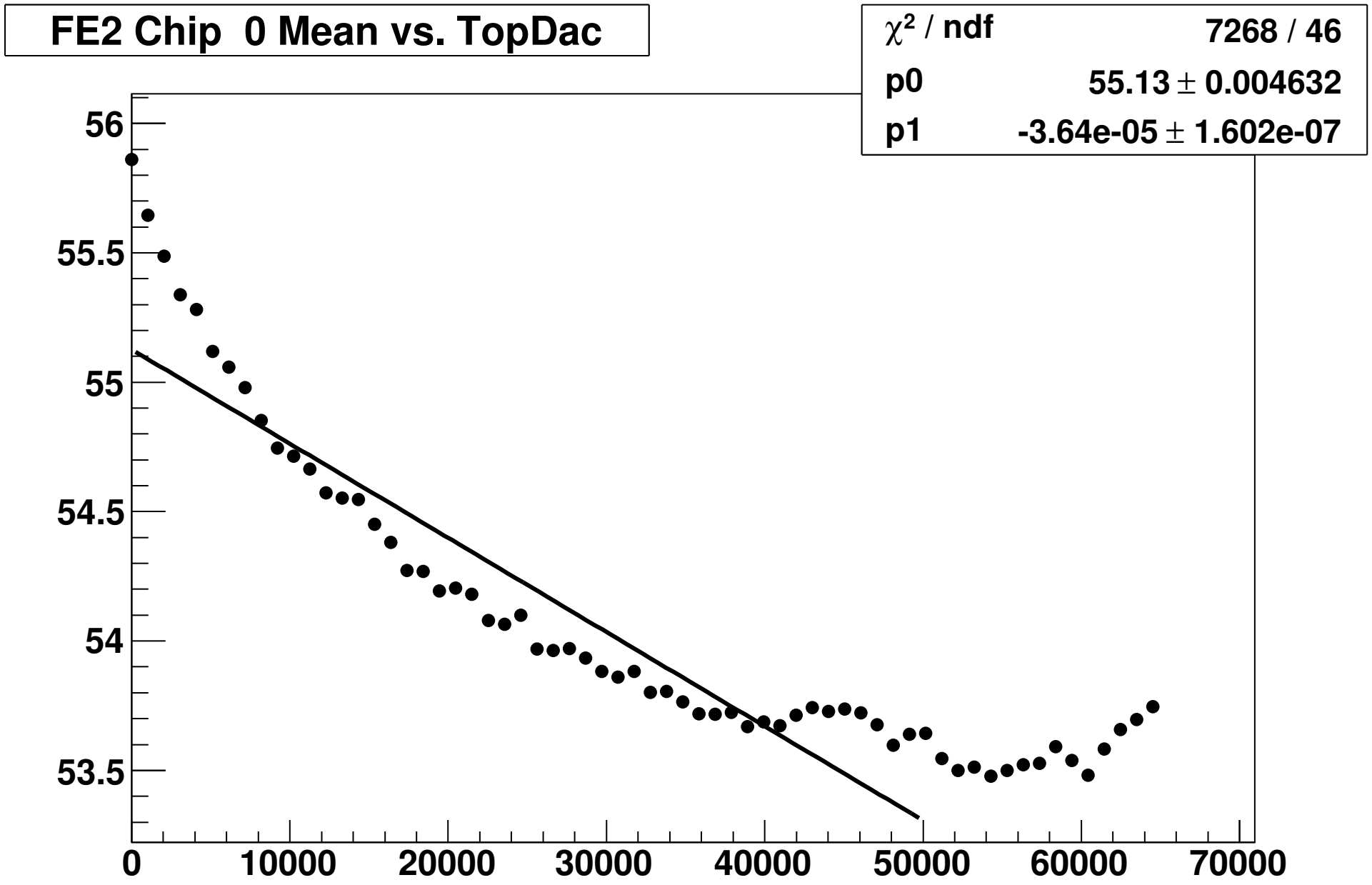
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 7268 / 46
p0 55.13 ± 0.004632
p1 -3.64e-05 ± 1.602e-07
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55.5
55
54.5
54
53.5
0
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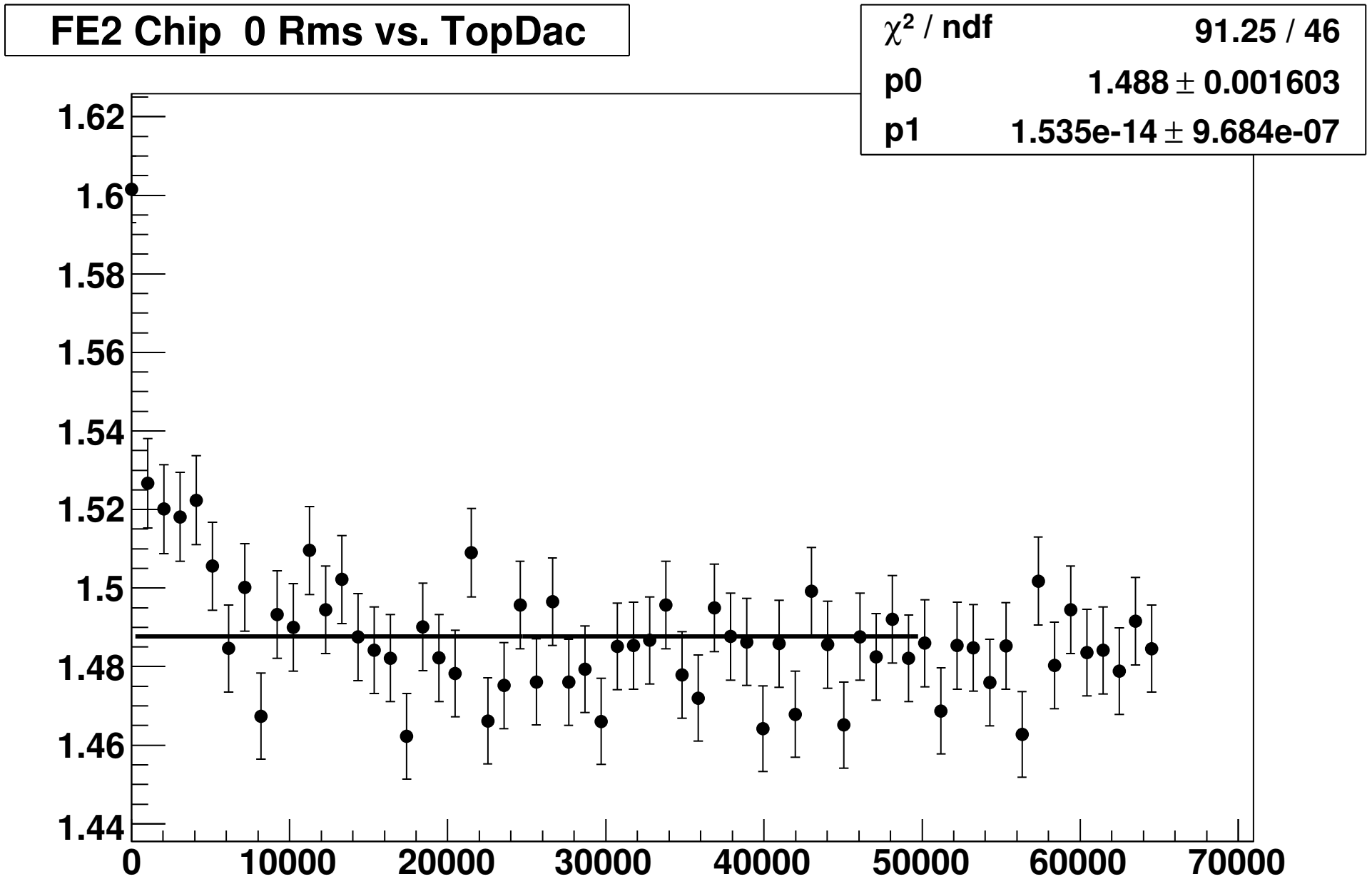
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 91.25 / 46
p0 1.488 ± 0.001603
p1 1.535e-14 ± 9.684e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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20000
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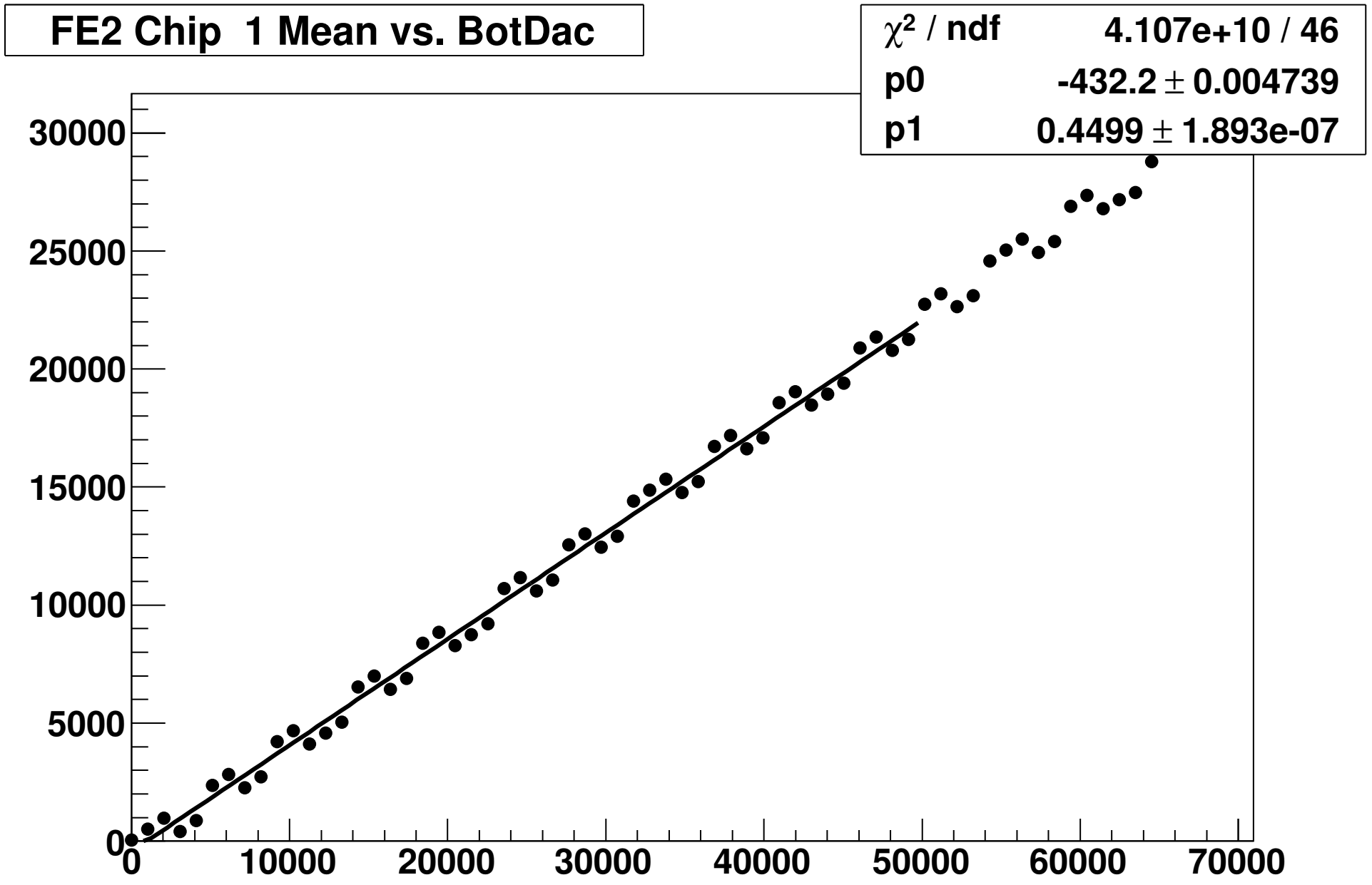
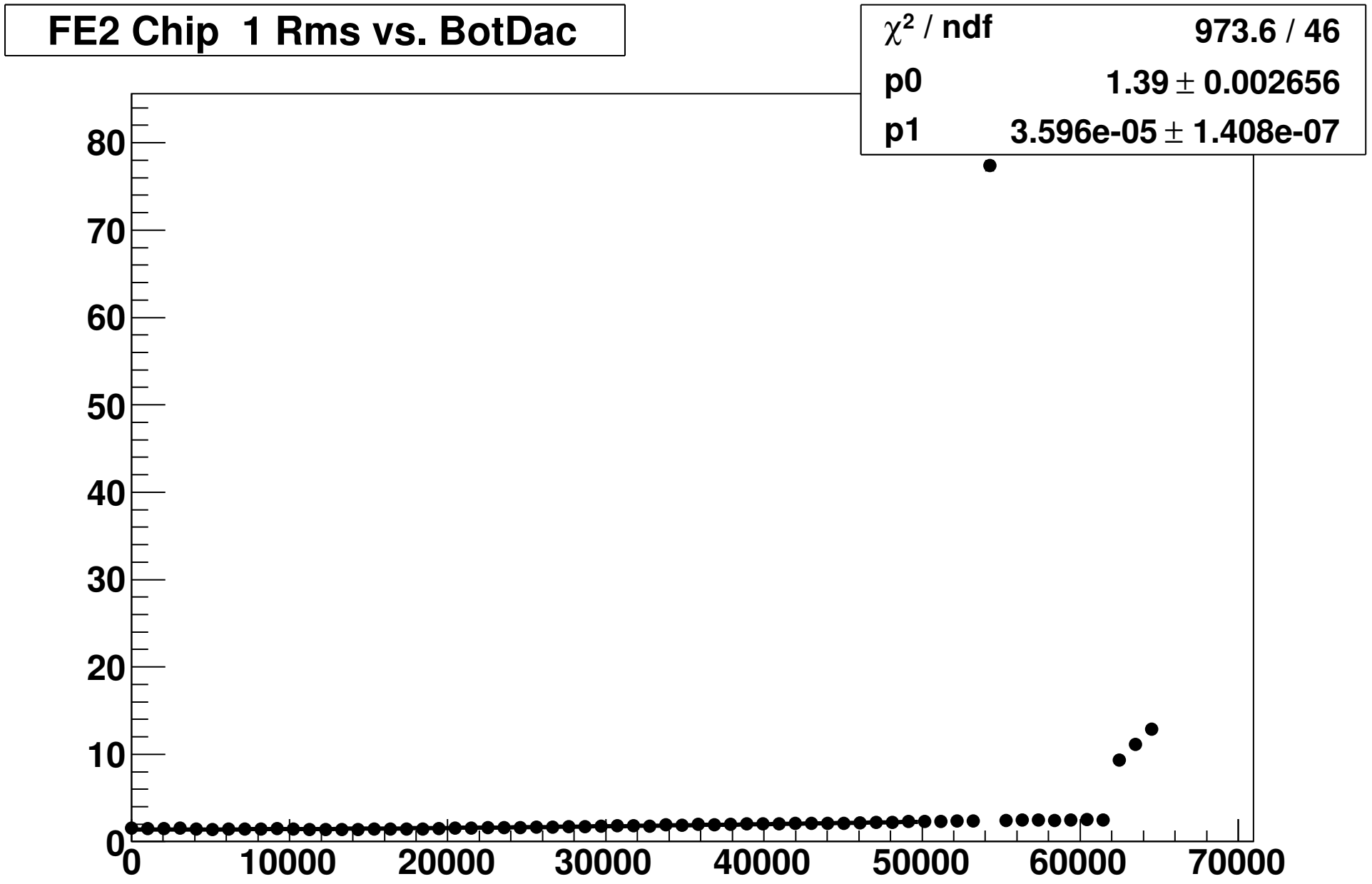
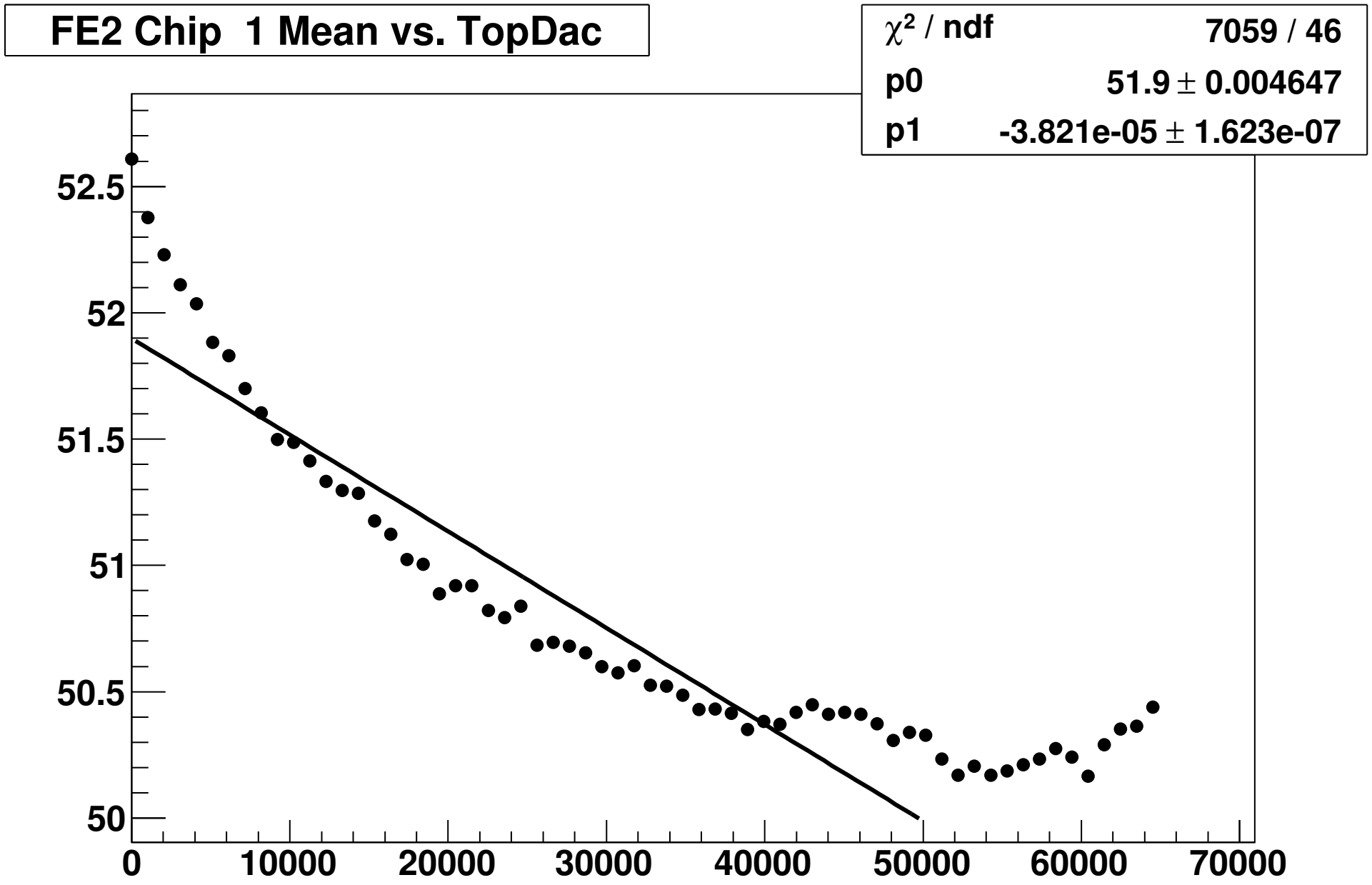
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 4.107e+10 / 46
p0 -432.2 ± 0.004739
p1 0.4499 ± 1.893e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 973.6 / 46
p0 1.39 ± 0.002656
p1 3.596e-05 ± 1.408e-07
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 7059 / 46
p0 51.9 ± 0.004647
p1 -3.821e-05 ± 1.623e-07
52.5
52
51.5
51
50.5
50
0
10000
20000
30000
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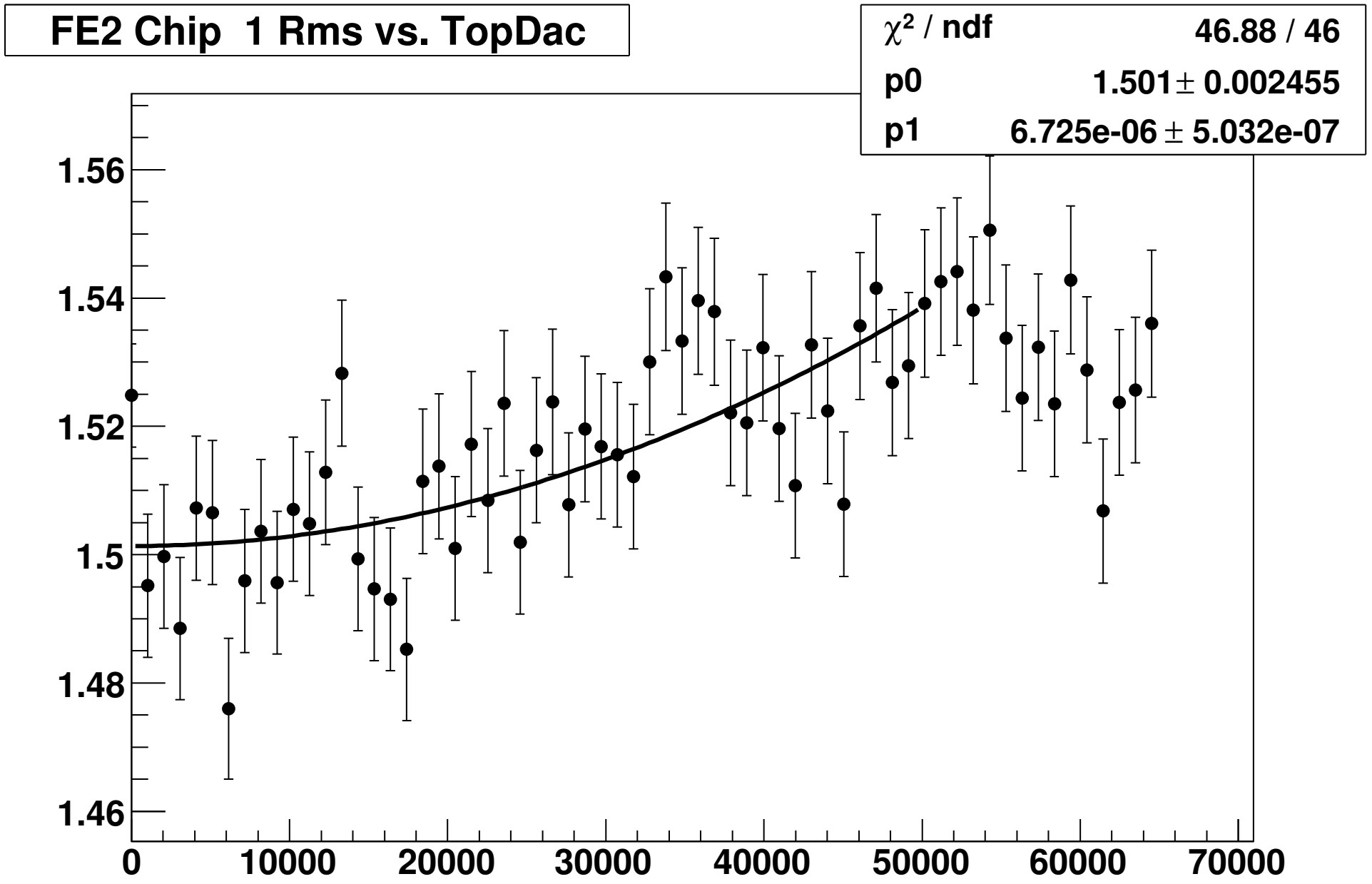
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 46.88 / 46
p0 1.501 ± 0.002455
p1 6.725e-06 ± 5.032e-07
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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50000
60000
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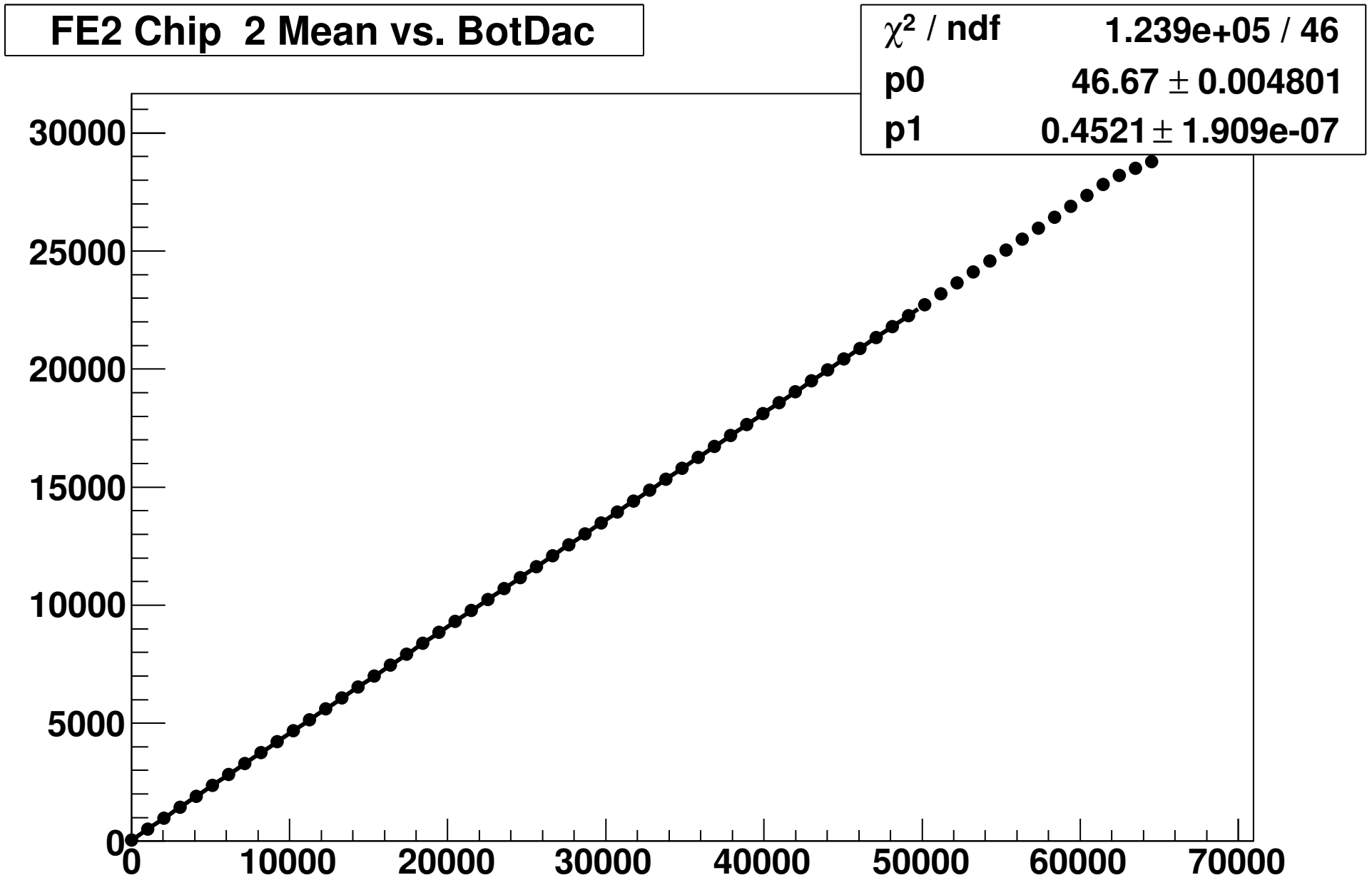
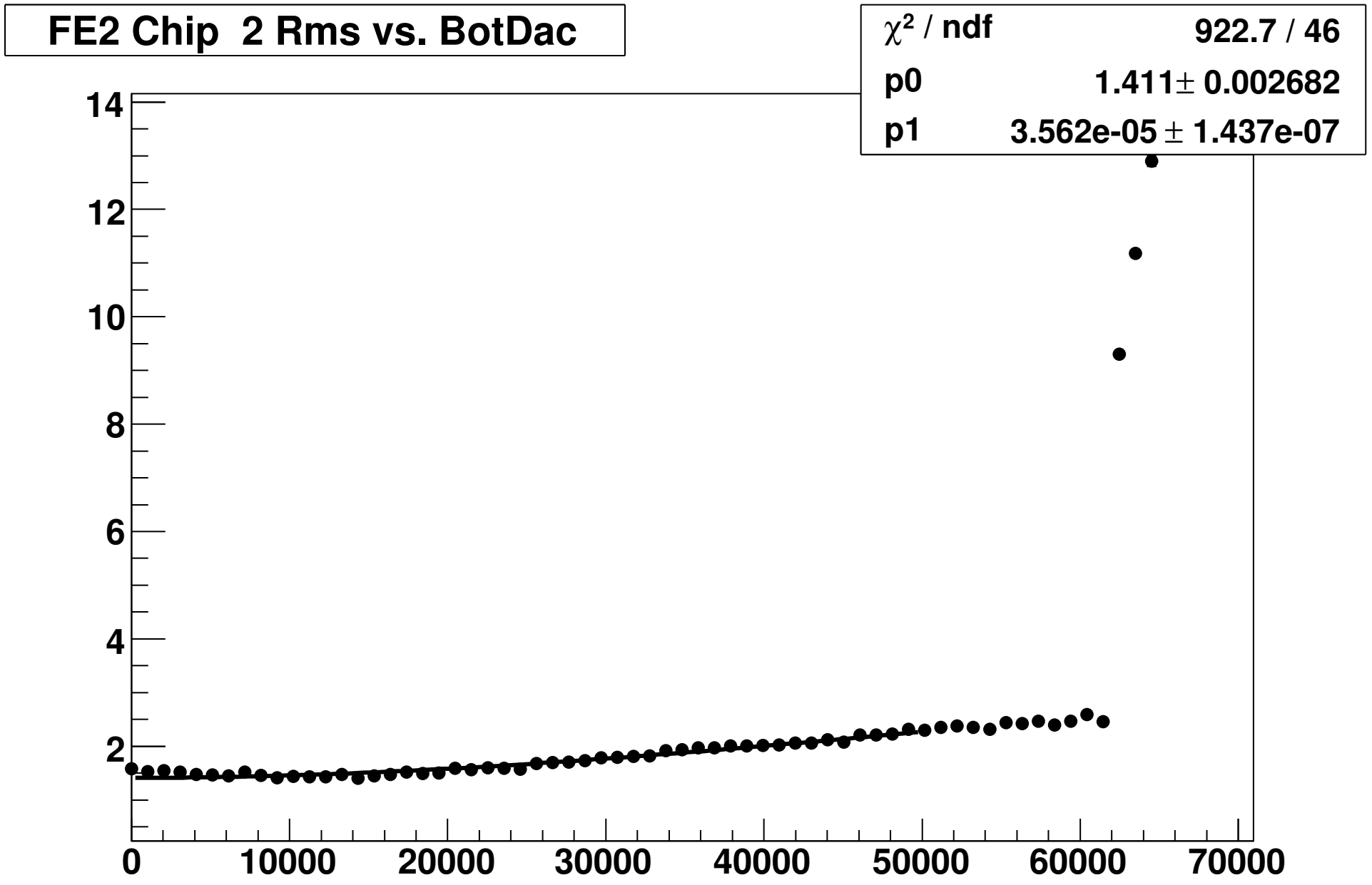
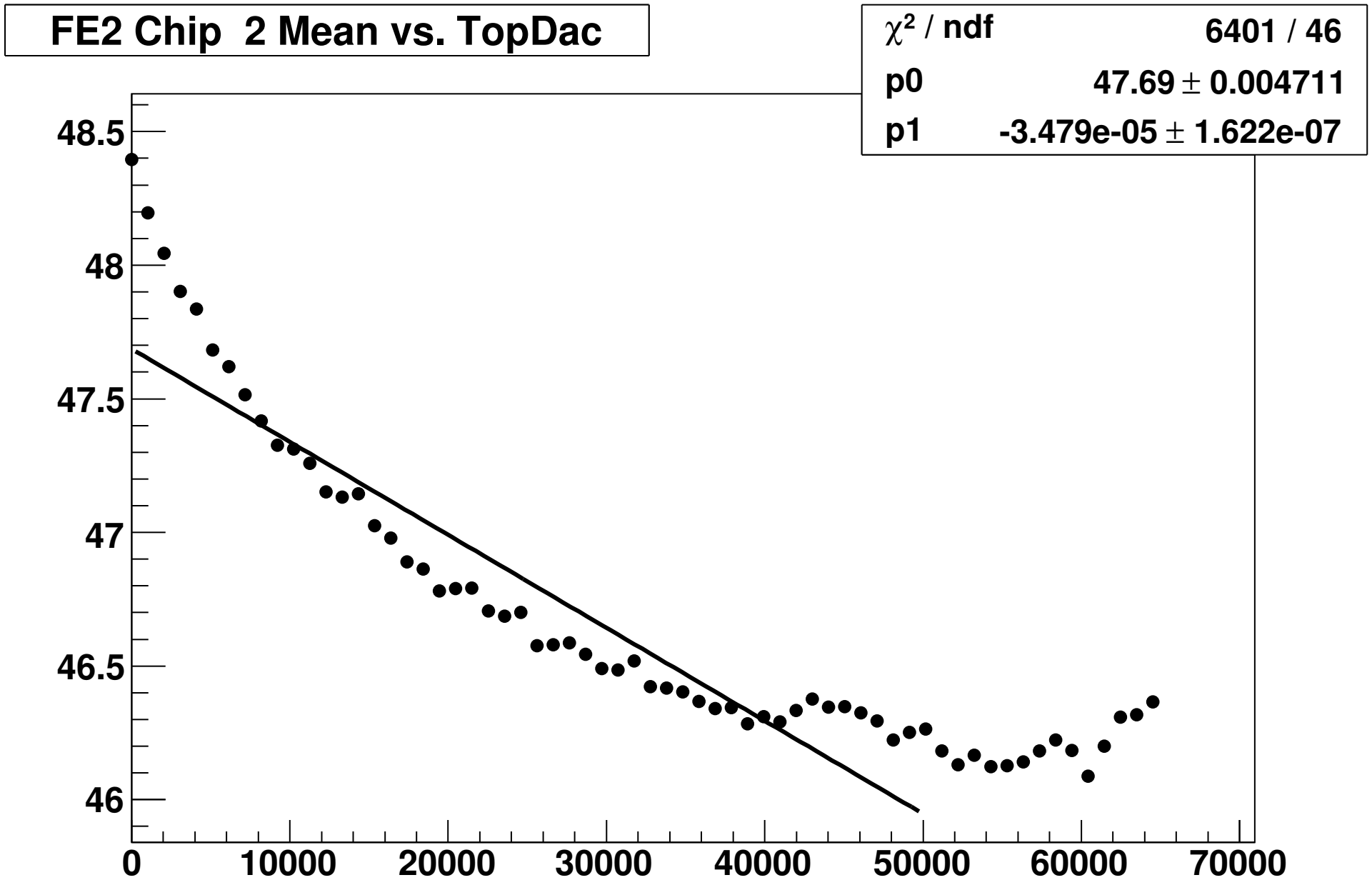
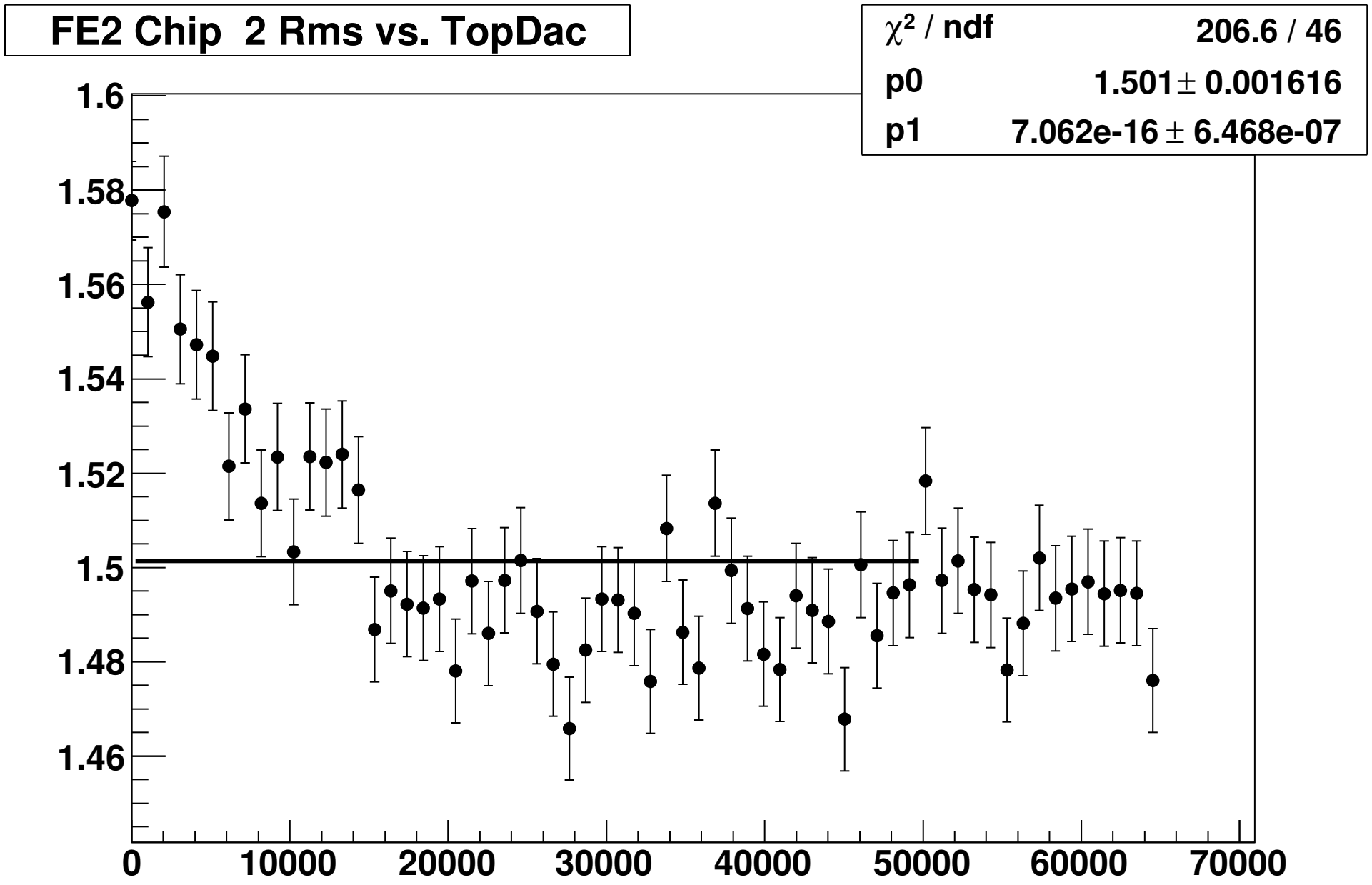

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.239e+05 / 46
p0 46.67 ± 0.004801
p1 0.4521 ± 1.909e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 922.7 / 46
p0 1.411 ± 0.002682
p1 3.562e-05 ± 1.437e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 6401 / 46
p0 47.69 ± 0.004711
p1 -3.479e-05 ± 1.622e-07
48.5
48
47.5
47
46.5
46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 206.6 / 46
p0 1.501 ± 0.001616
p1 7.062e-16 ± 6.468e-07
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
60000
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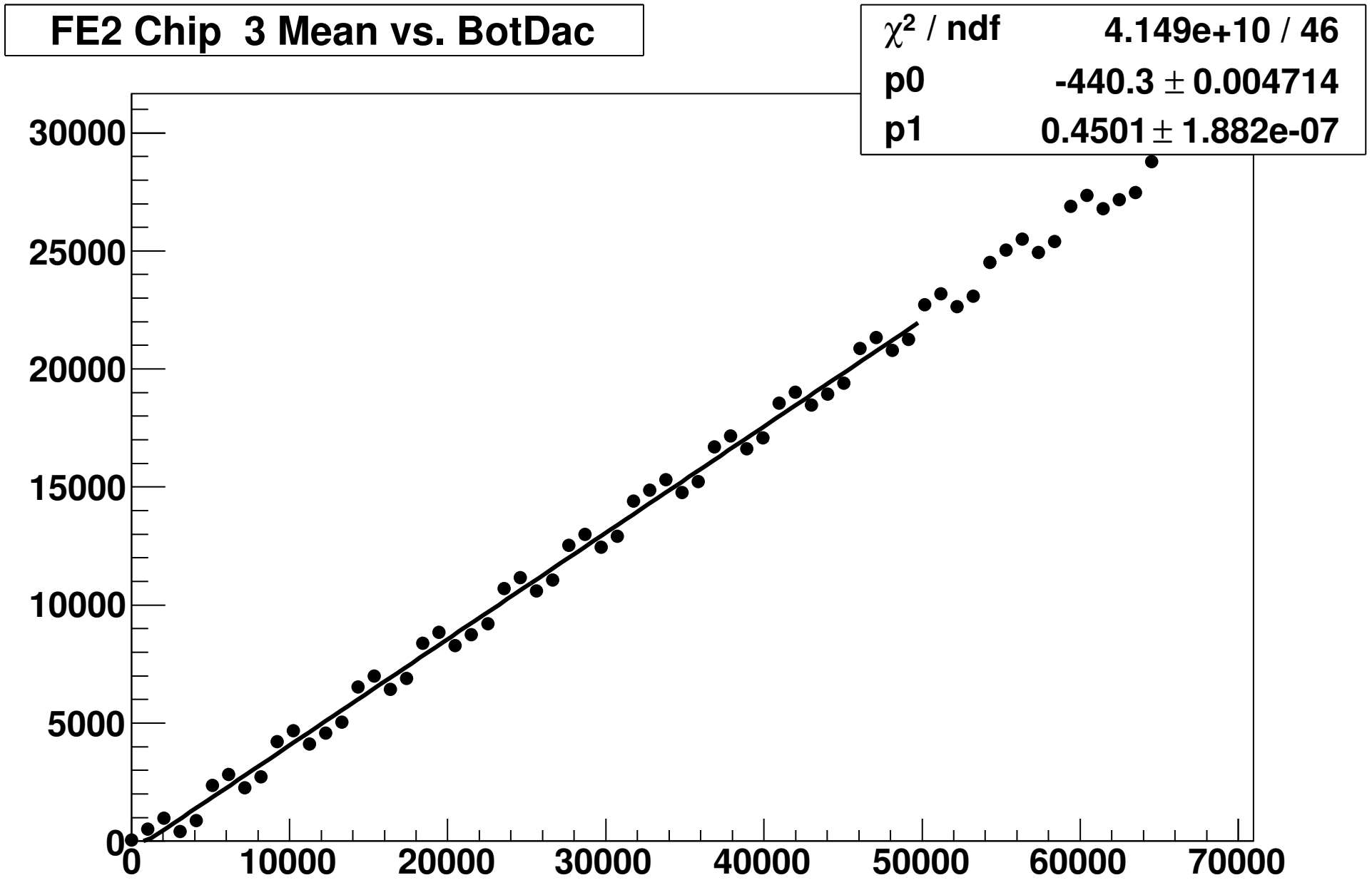
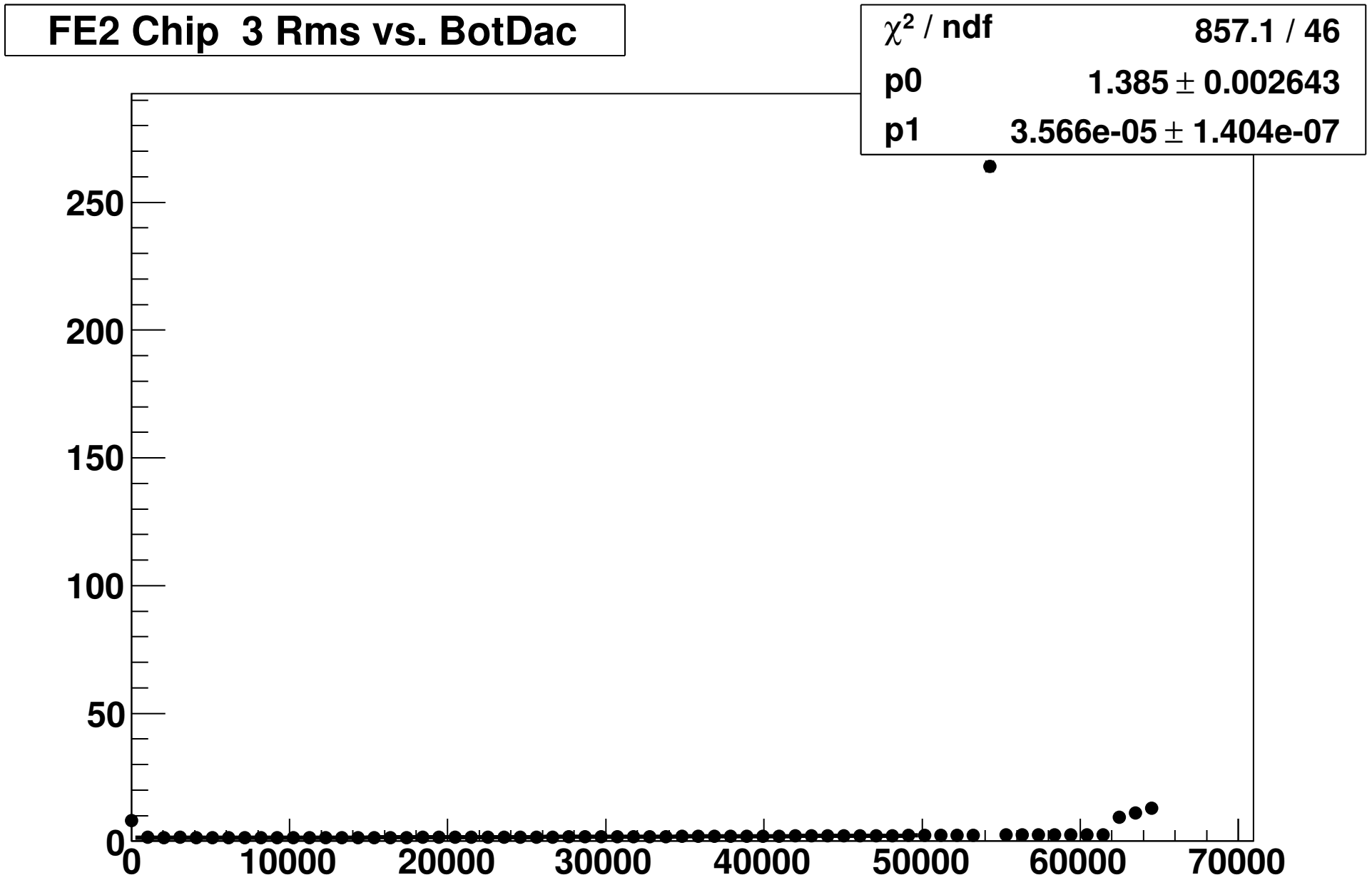
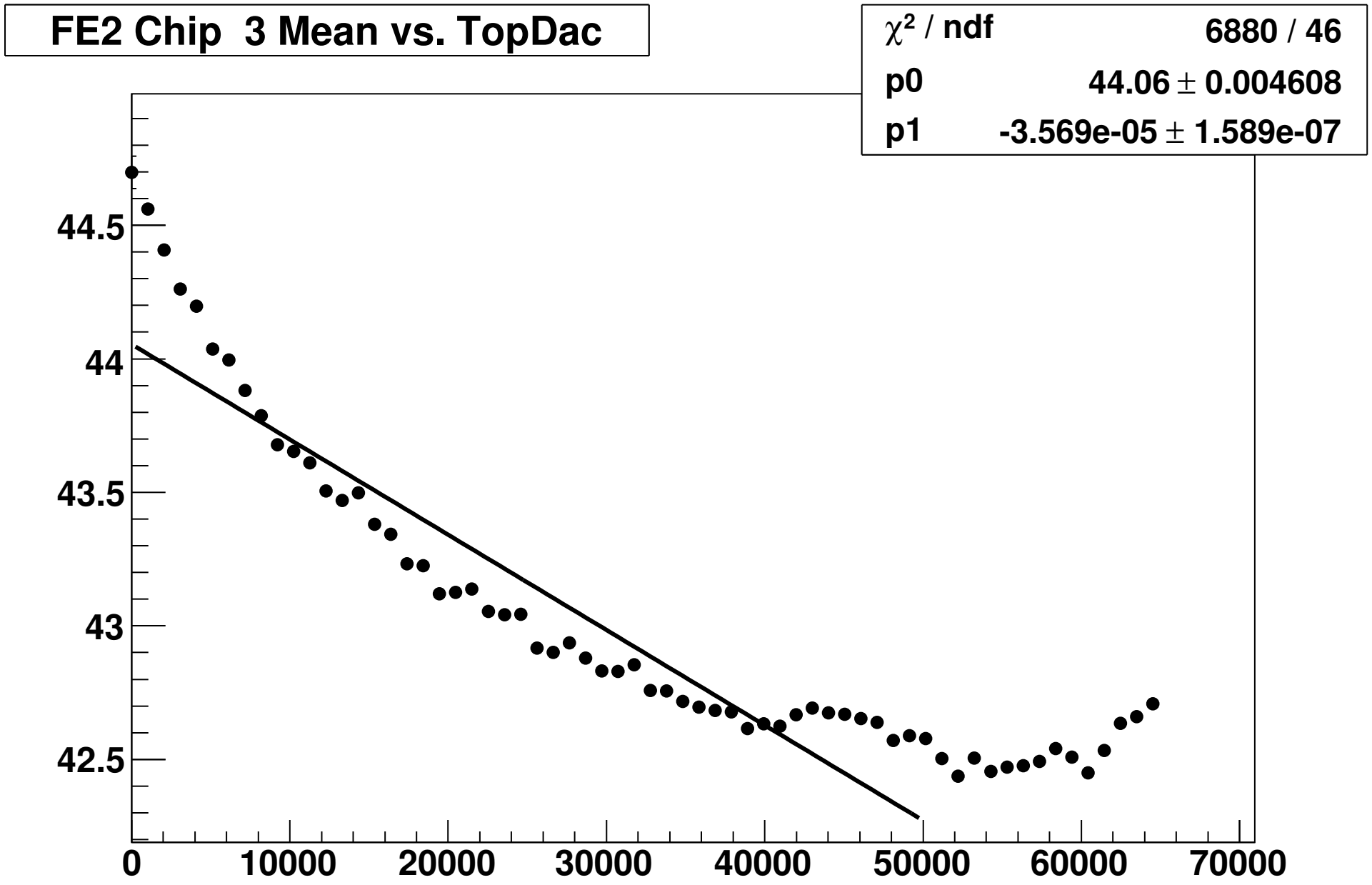
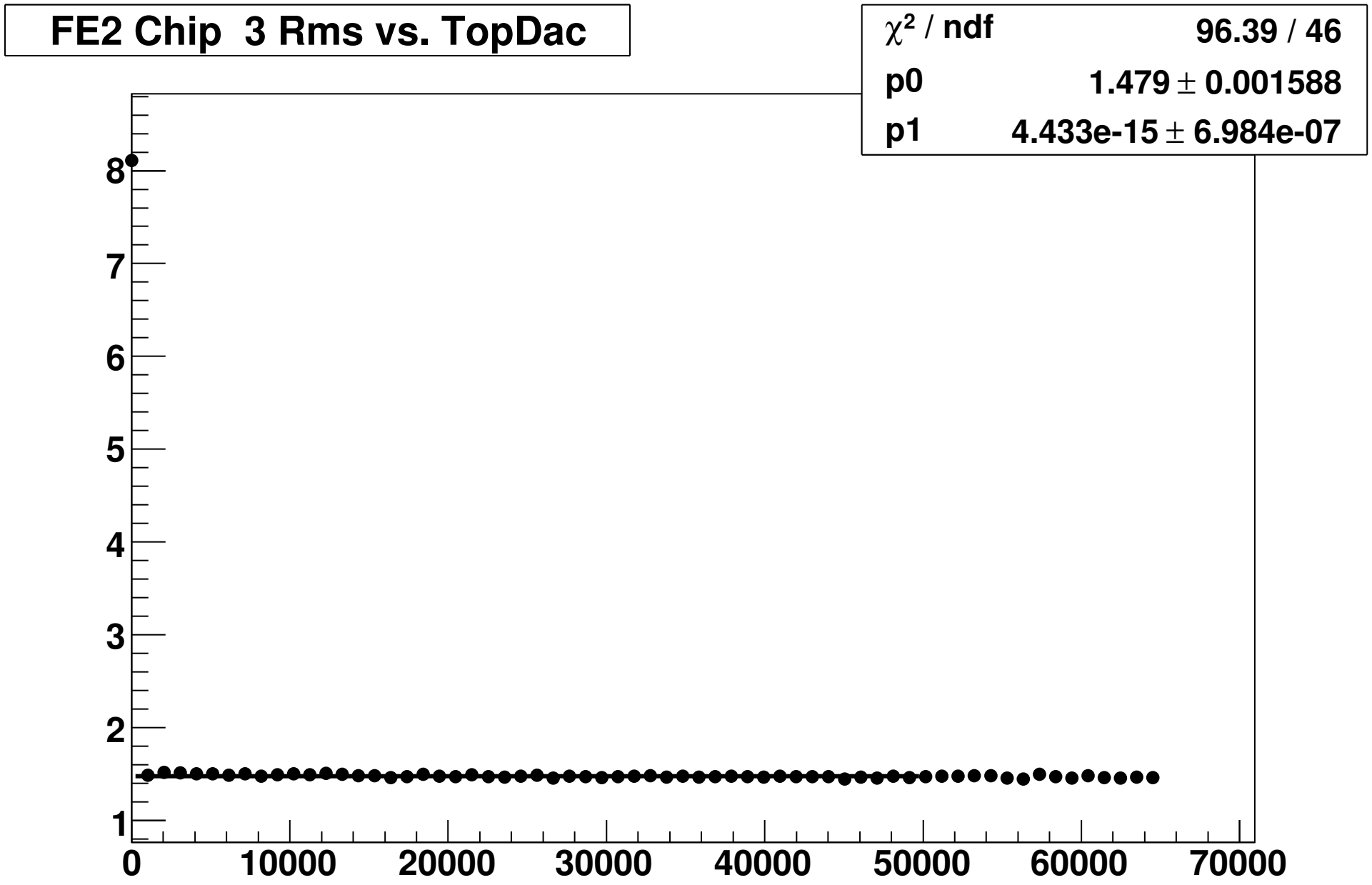
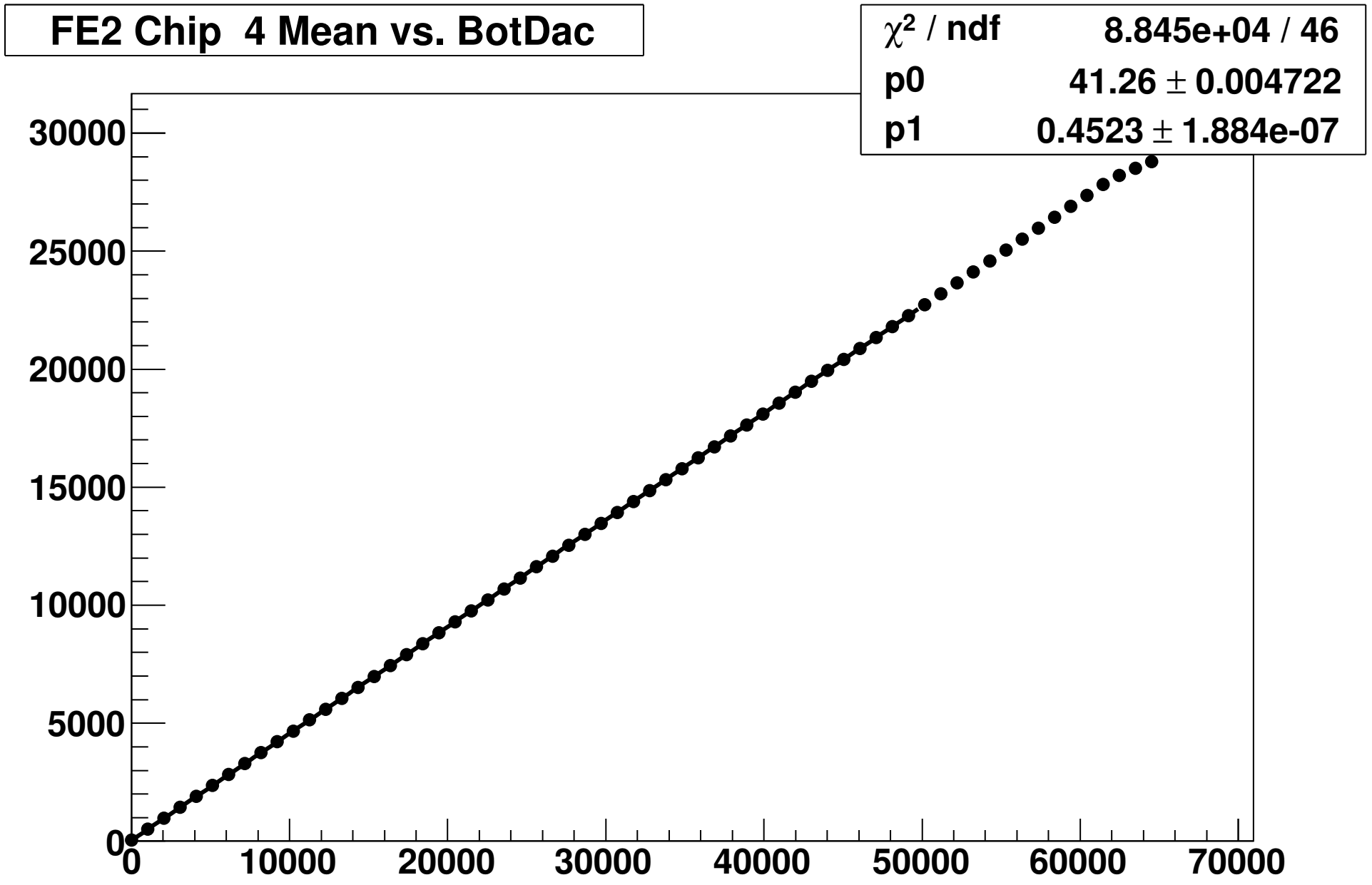
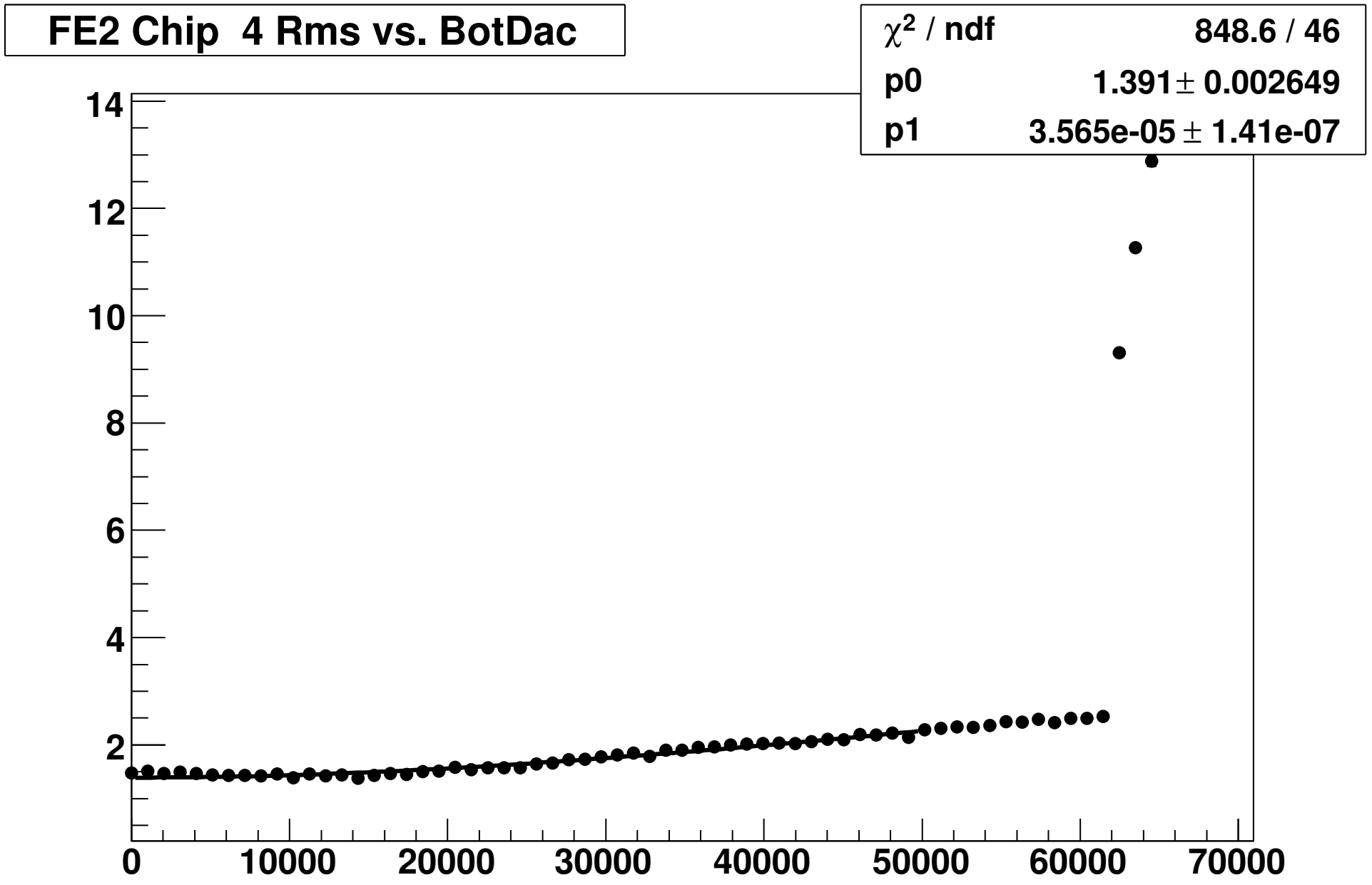

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 4.149e+10 / 46
p0 -440.3 ± 0.004714
p1 0.4501 ± 1.882e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

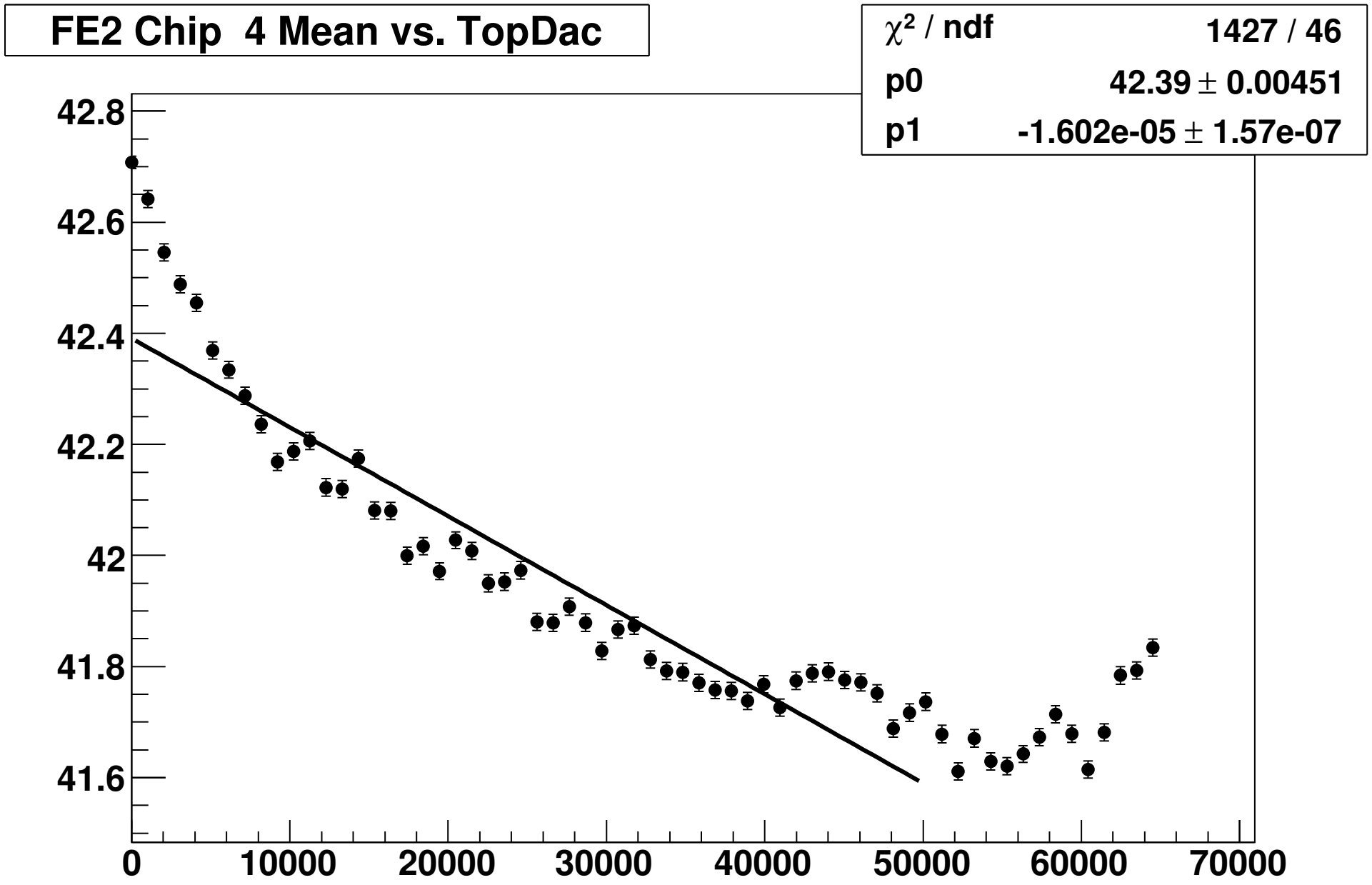

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 857.1 / 46
p0 1.385 ± 0.002643
p1 3.566e-05 ± 1.404e-07
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000

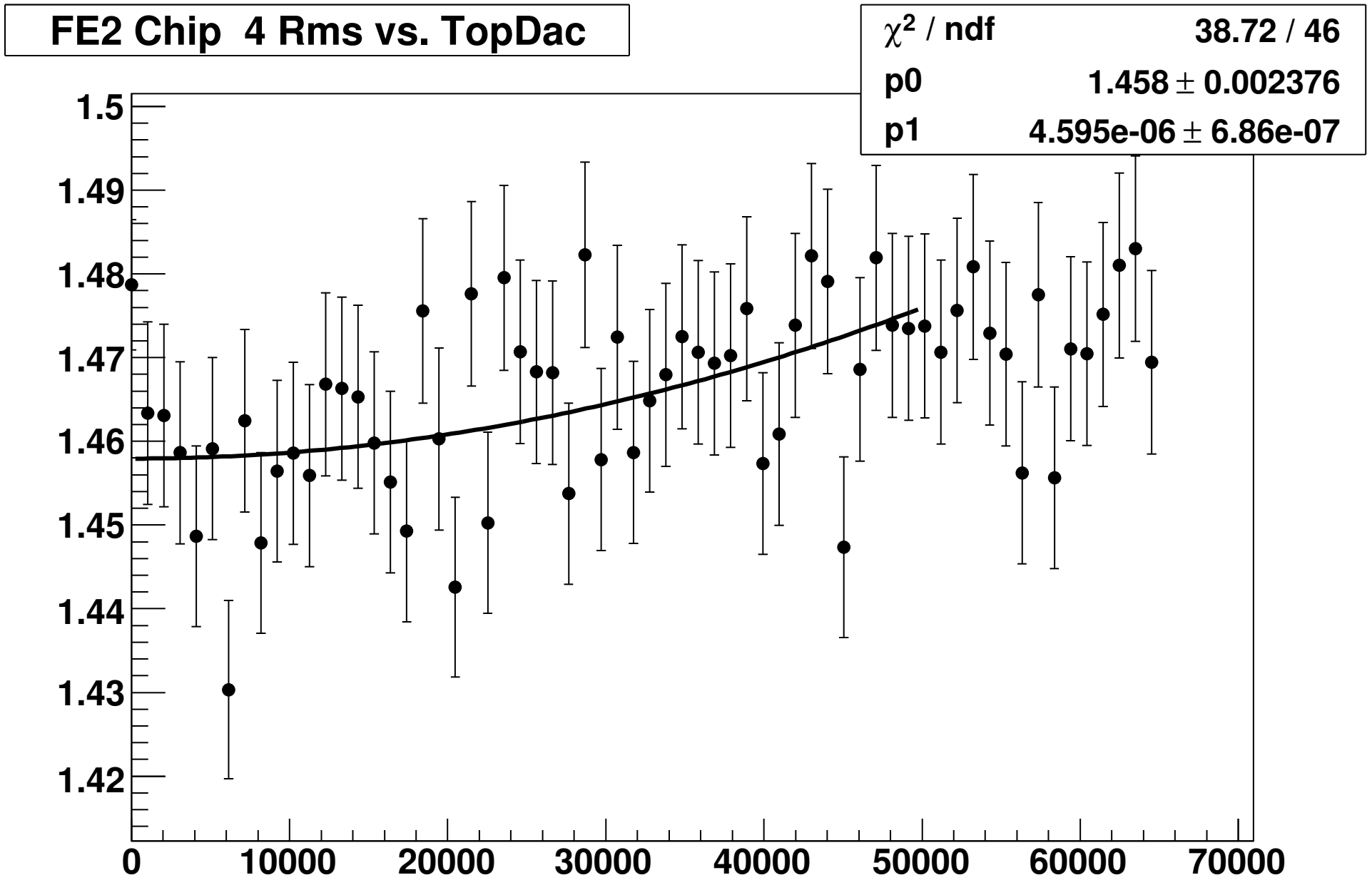

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 6880 / 46
p0 44.06 ± 0.004608
p1 -3.569e-05 ± 1.589e-07
44.5
44
43.5
43
42.5
0
10000
20000
30000
40000
50000
60000
70000

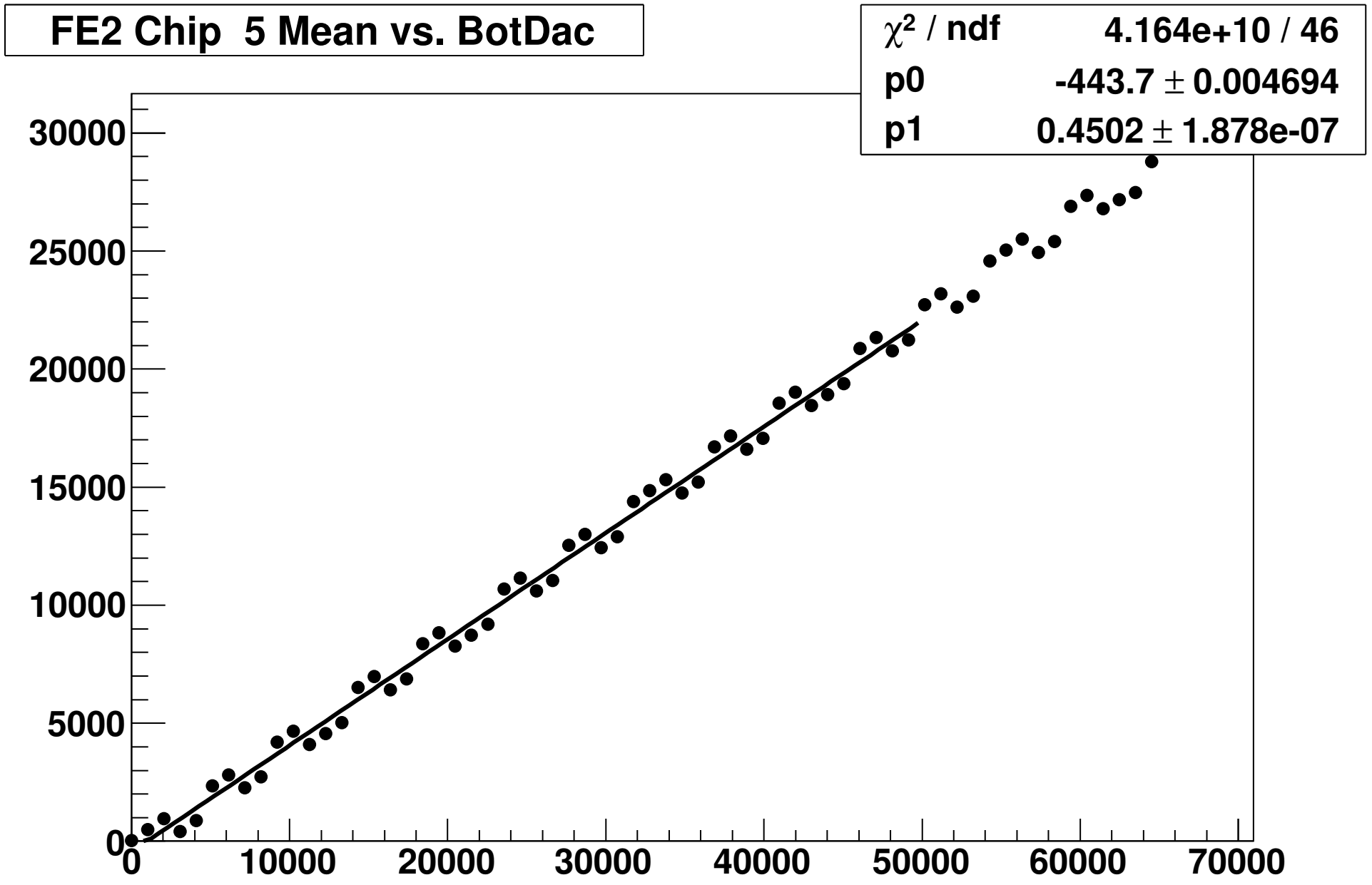

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 96.39 / 46
p0 1.479 ± 0.001588
p1 4.433e-15 ± 6.984e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

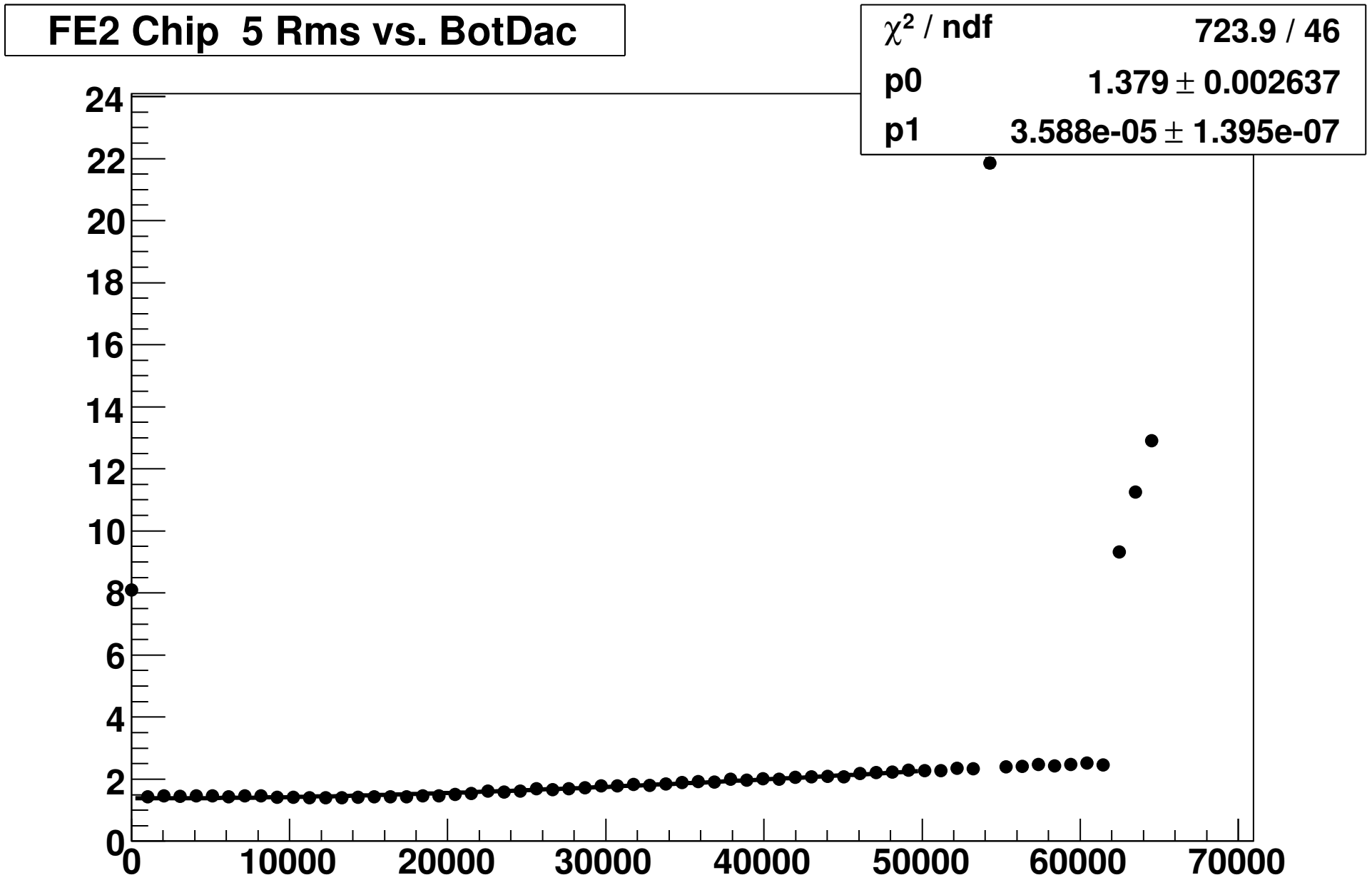

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 8.845e+04 / 46
p0 41.26 ± 0.004722
p1 0.4523 ± 1.884e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

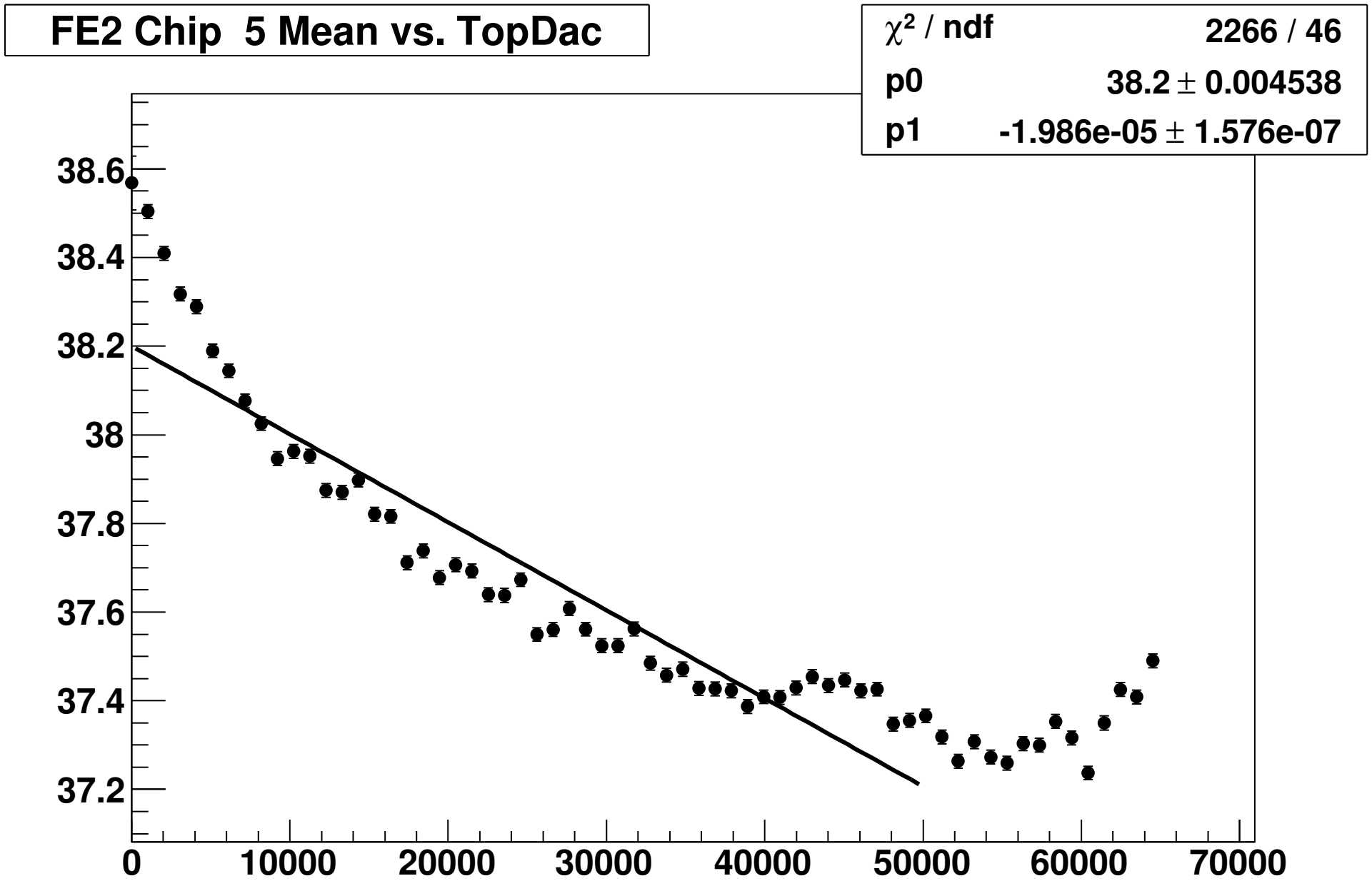

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 848.6 / 46
p0 1.391 ± 0.002649
p1 3.565e-05 ± 1.41e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

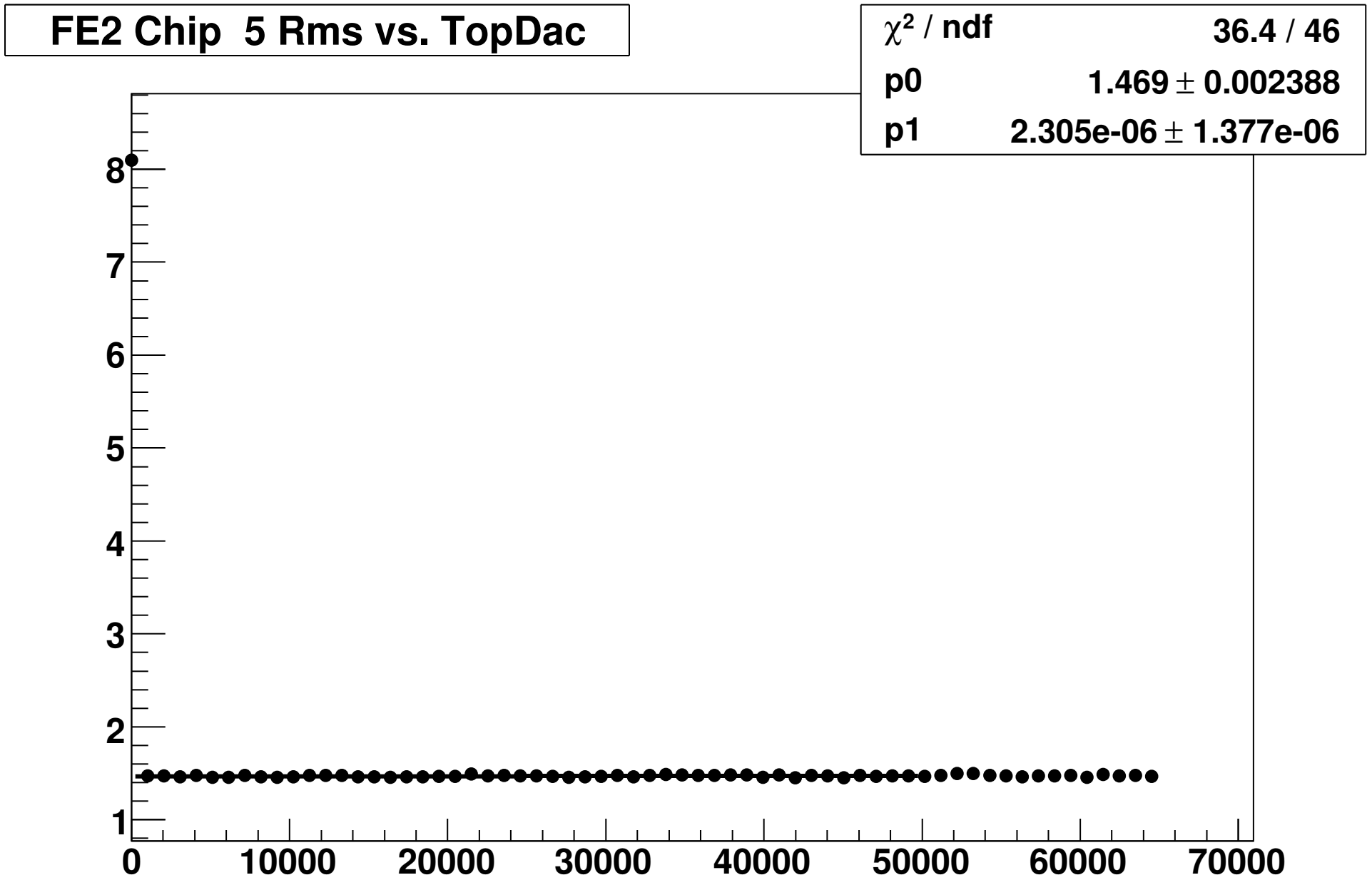

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 1427 / 46
p0 42.39 ± 0.00451
p1 -1.602e-05 ± 1.57e-07
42.8
42.6
42.4
42.2
42
41.8
41.6
0
10000
20000
30000
40000
50000
60000
70000

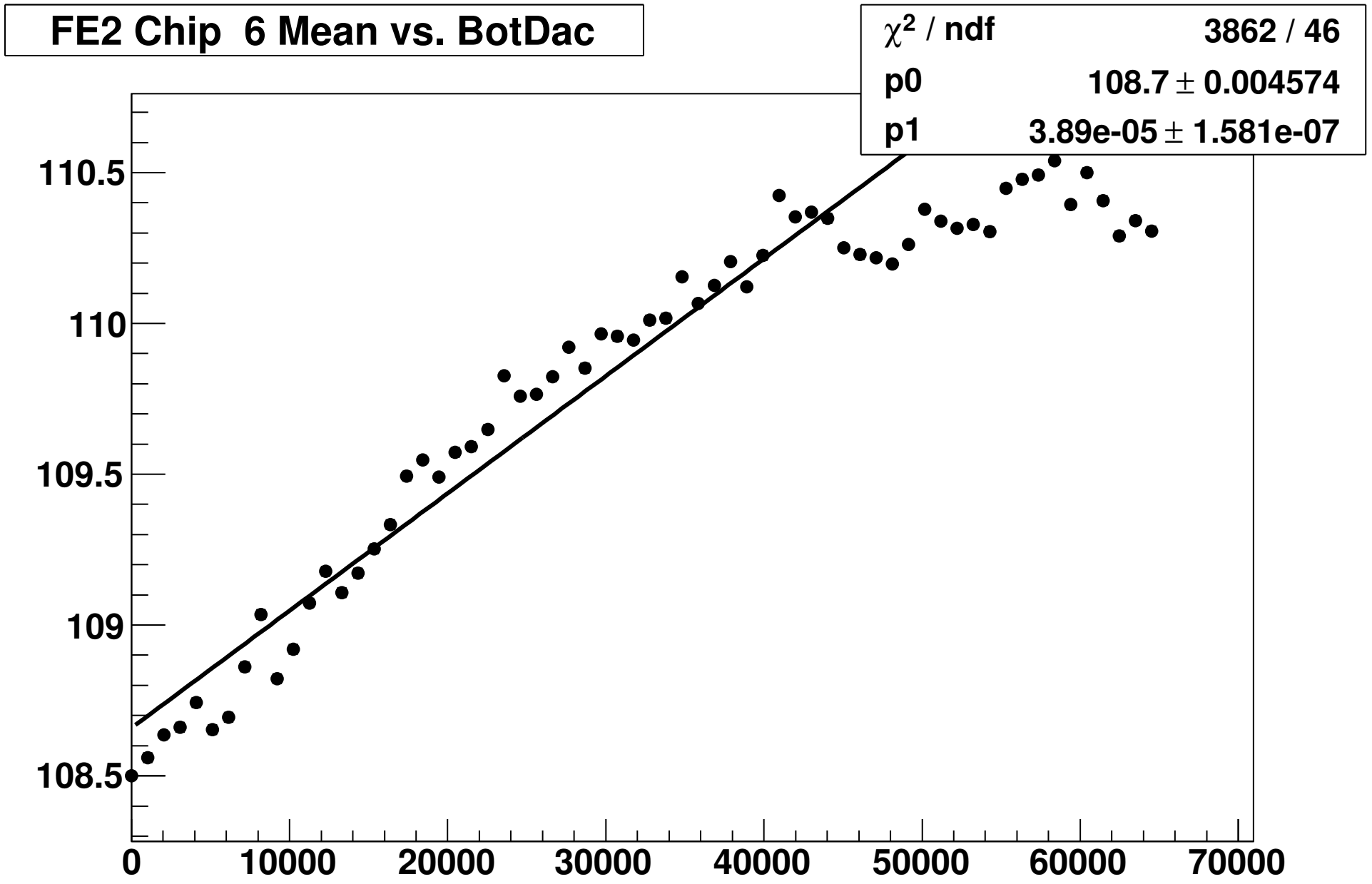

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 38.72 / 46
p0 1.458 ± 0.002376
p1 4.595e-06 ± 6.86e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

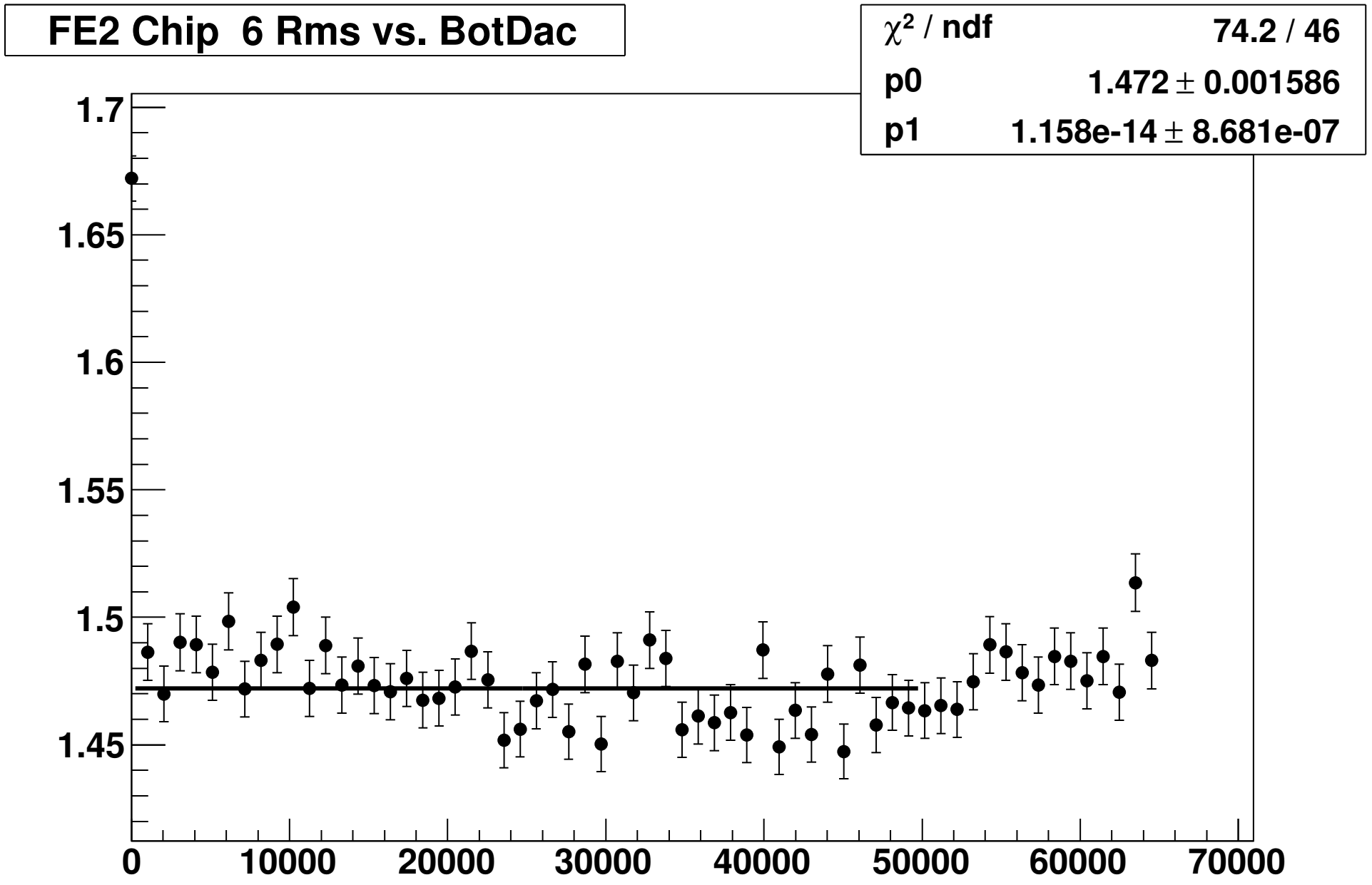

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 4.164e+10 / 46
p0 -443.7 ± 0.004694
p1 0.4502 ± 1.878e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 723.9 / 46
p0 1.379 ± 0.002637
p1 3.588e-05 ± 1.395e-07
24
22
20
18
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 2266 / 46
p0 38.2 ± 0.004538
p1 -1.986e-05 ± 1.576e-07
38.6
38.4
38.2
38
37.8
37.6
37.4
37.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 36.4 / 46
p0 1.469 ± 0.002388
p1 2.305e-06 ± 1.377e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 3862 / 46
p0 108.7 ± 0.004574
p1 3.89e-05 ± 1.581e-07
110.5
110
109.5
109
108.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 74.2 / 46
p0 1.472 ± 0.001586
p1 1.158e-14 ± 8.681e-07
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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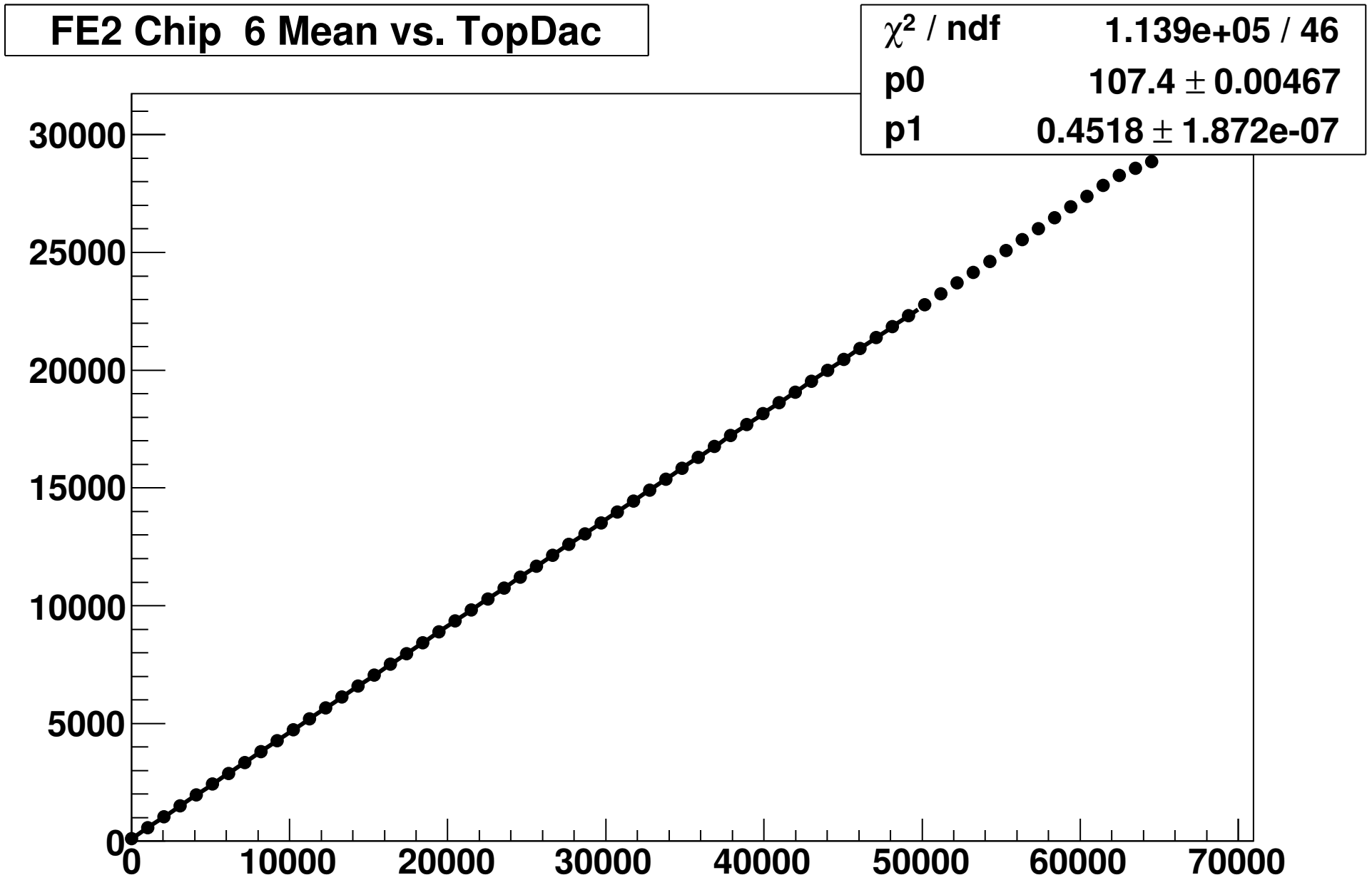
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.139e+05 / 46
p0 107.4 ± 0.00467
p1 0.4518 ± 1.872e-07
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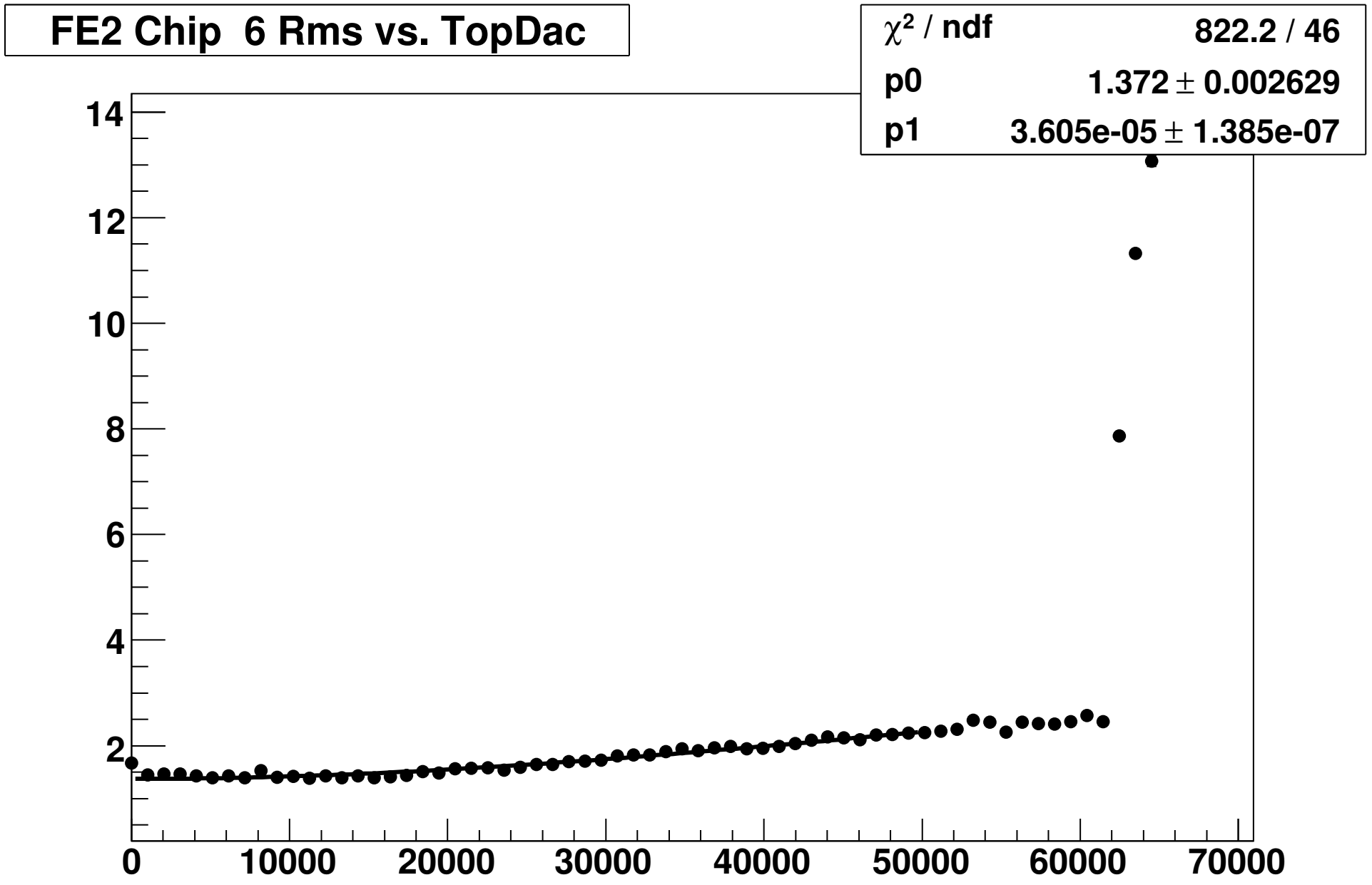
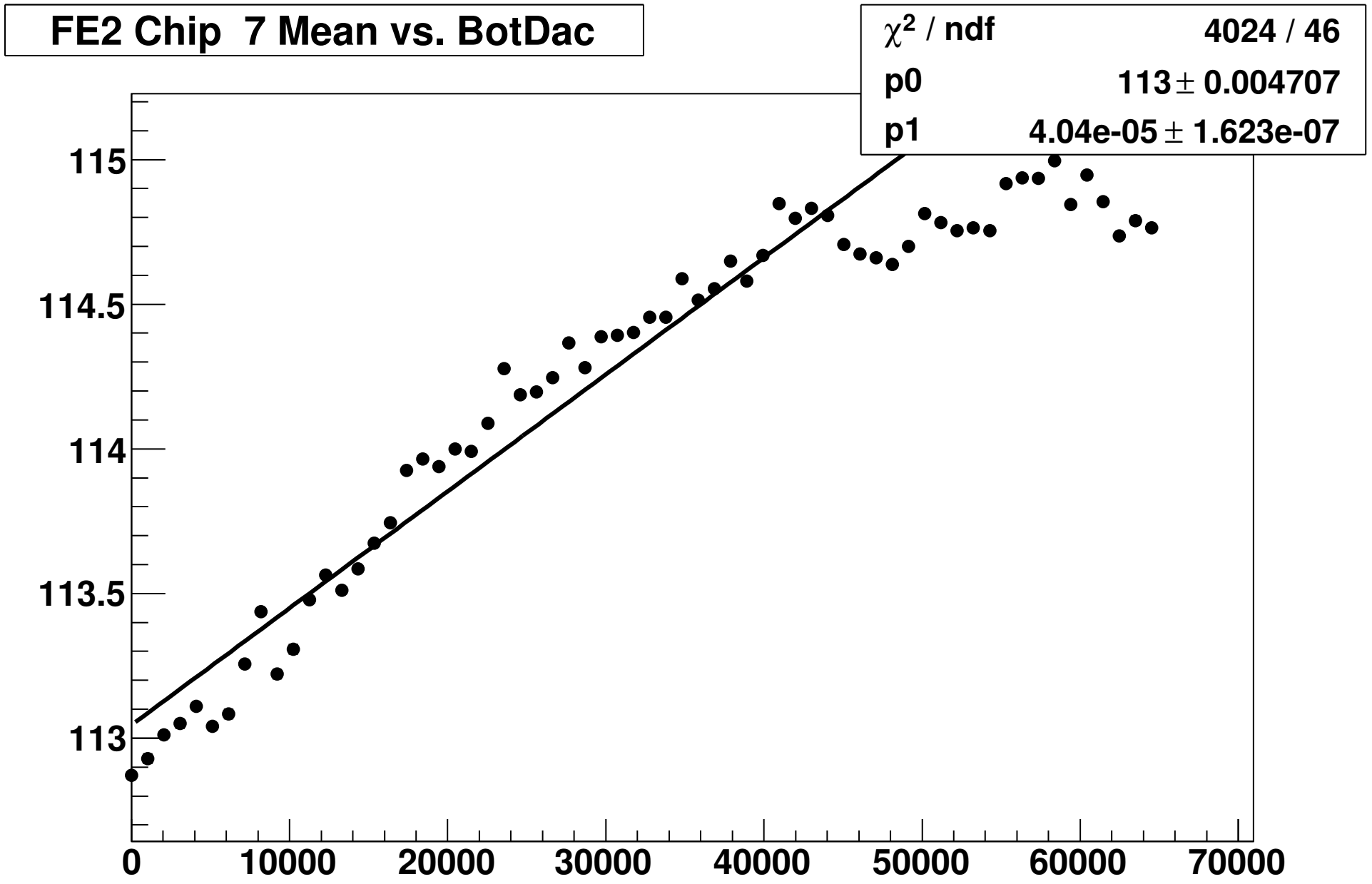
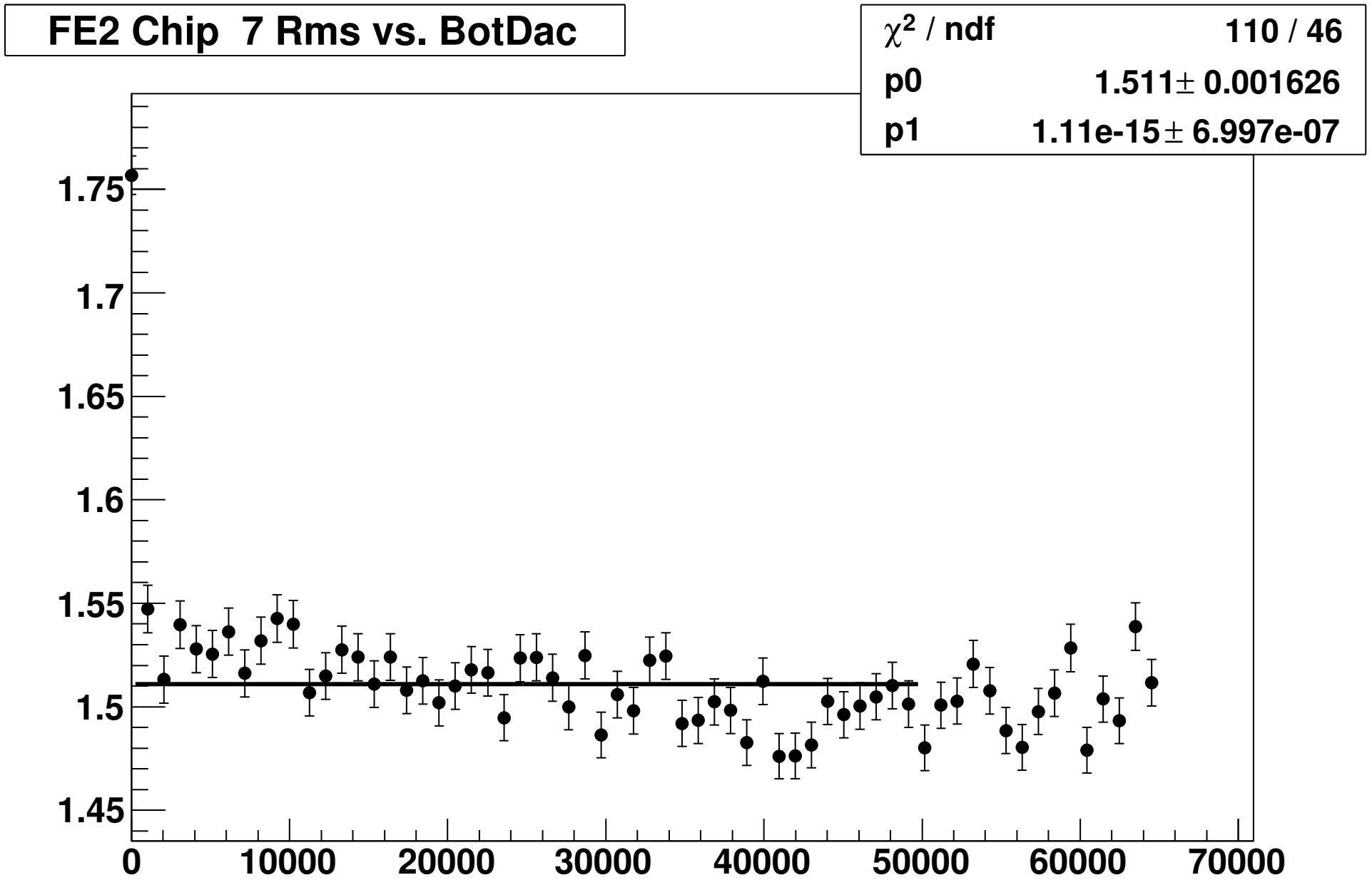
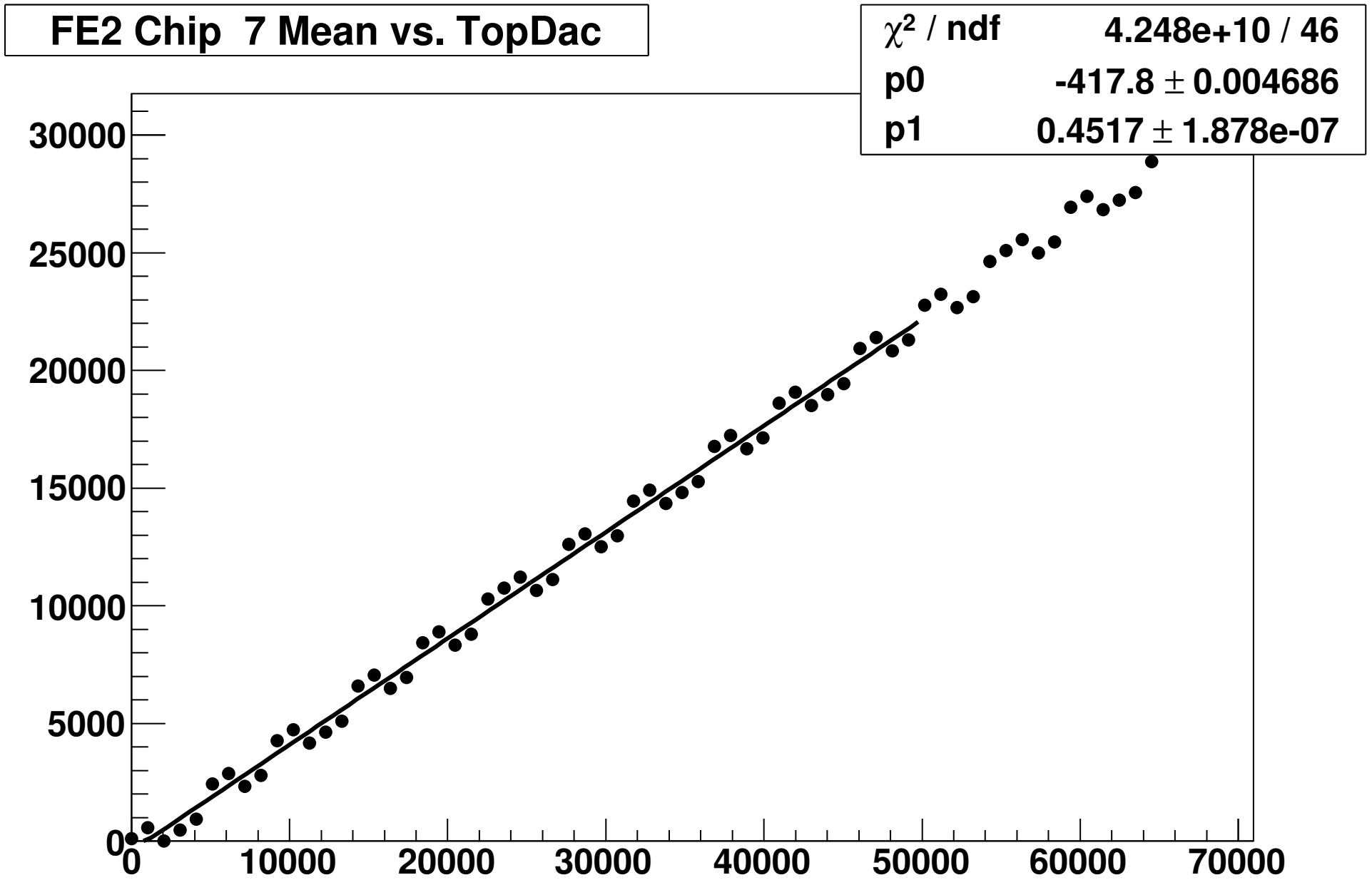
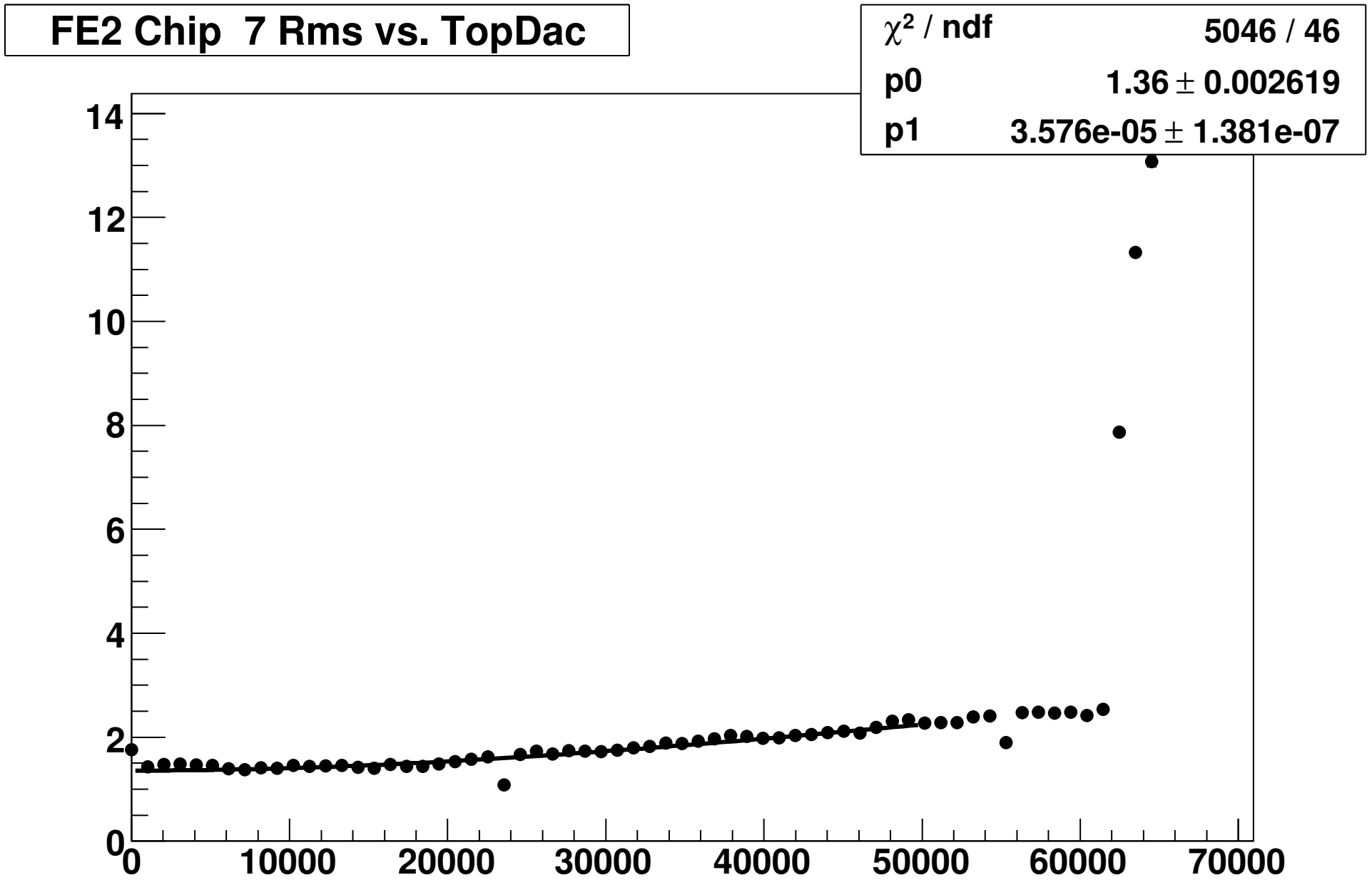
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

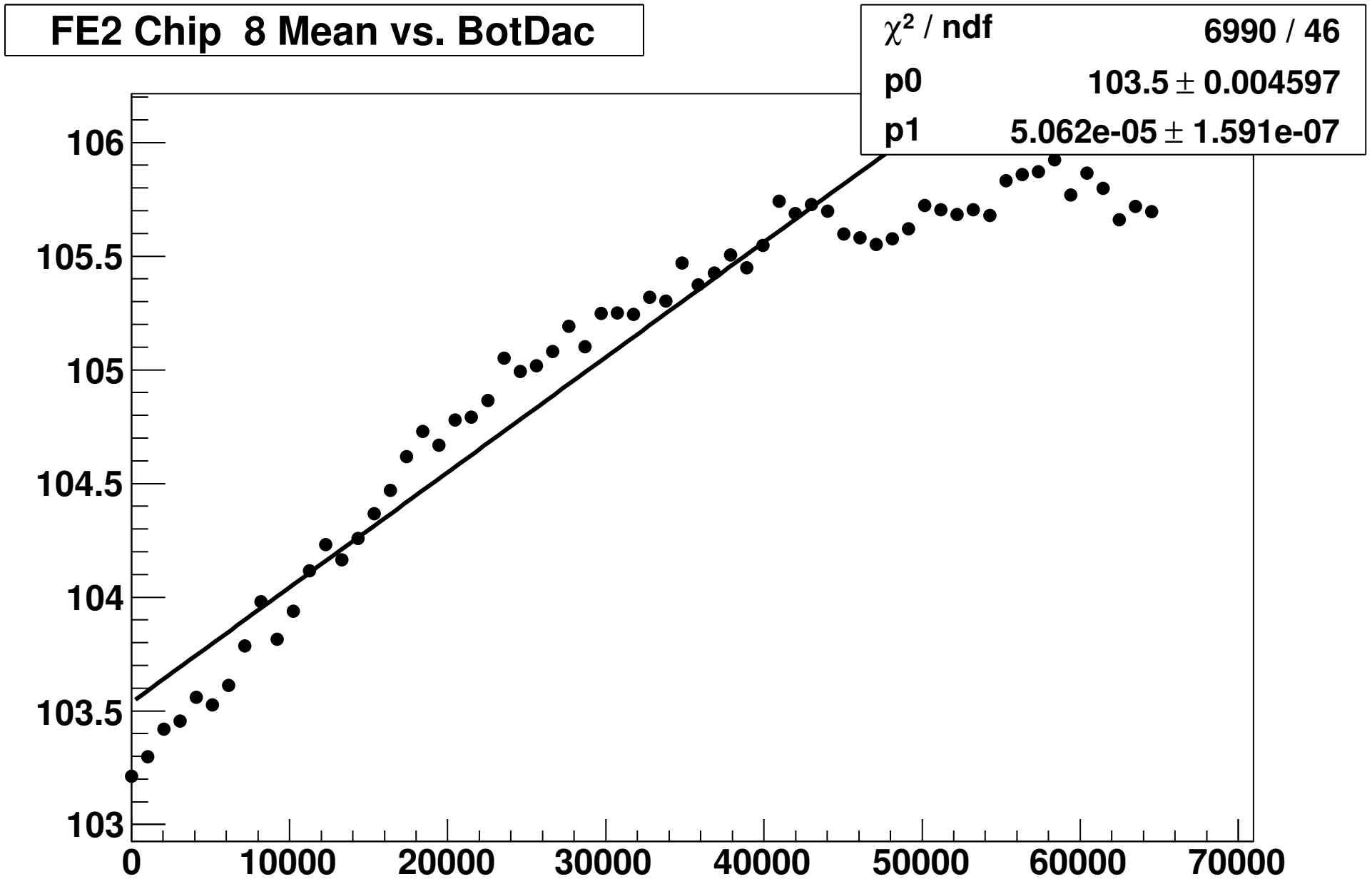

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 822.2 / 46
p0 1.372 ± 0.002629
p1 3.605e-05 ± 1.385e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

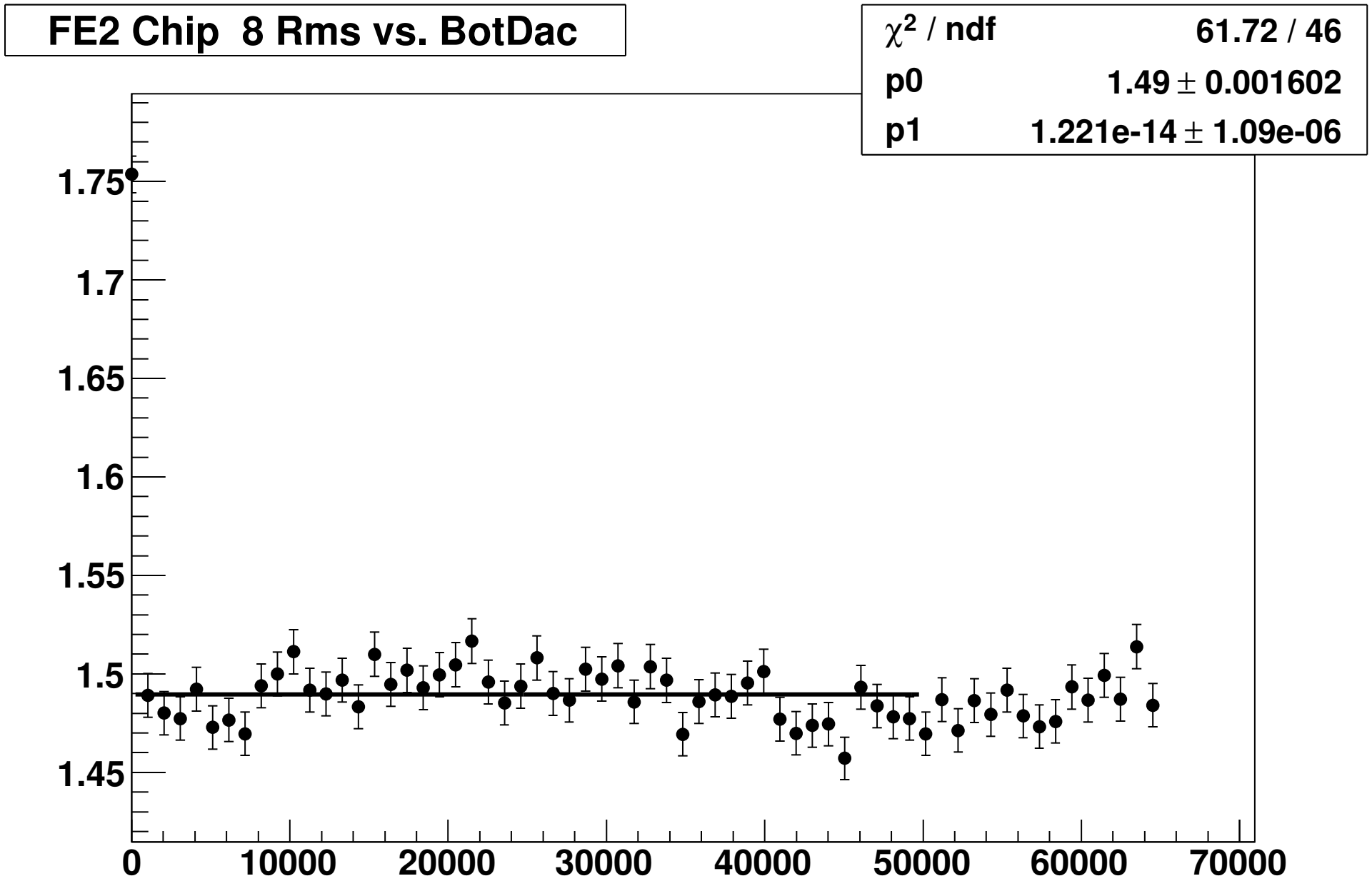

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 4024 / 46
p0 113 ± 0.004707
p1 4.04e-05 ± 1.623e-07
115
114.5
114
113.5
113
0
10000
20000
30000
40000
50000
60000
70000

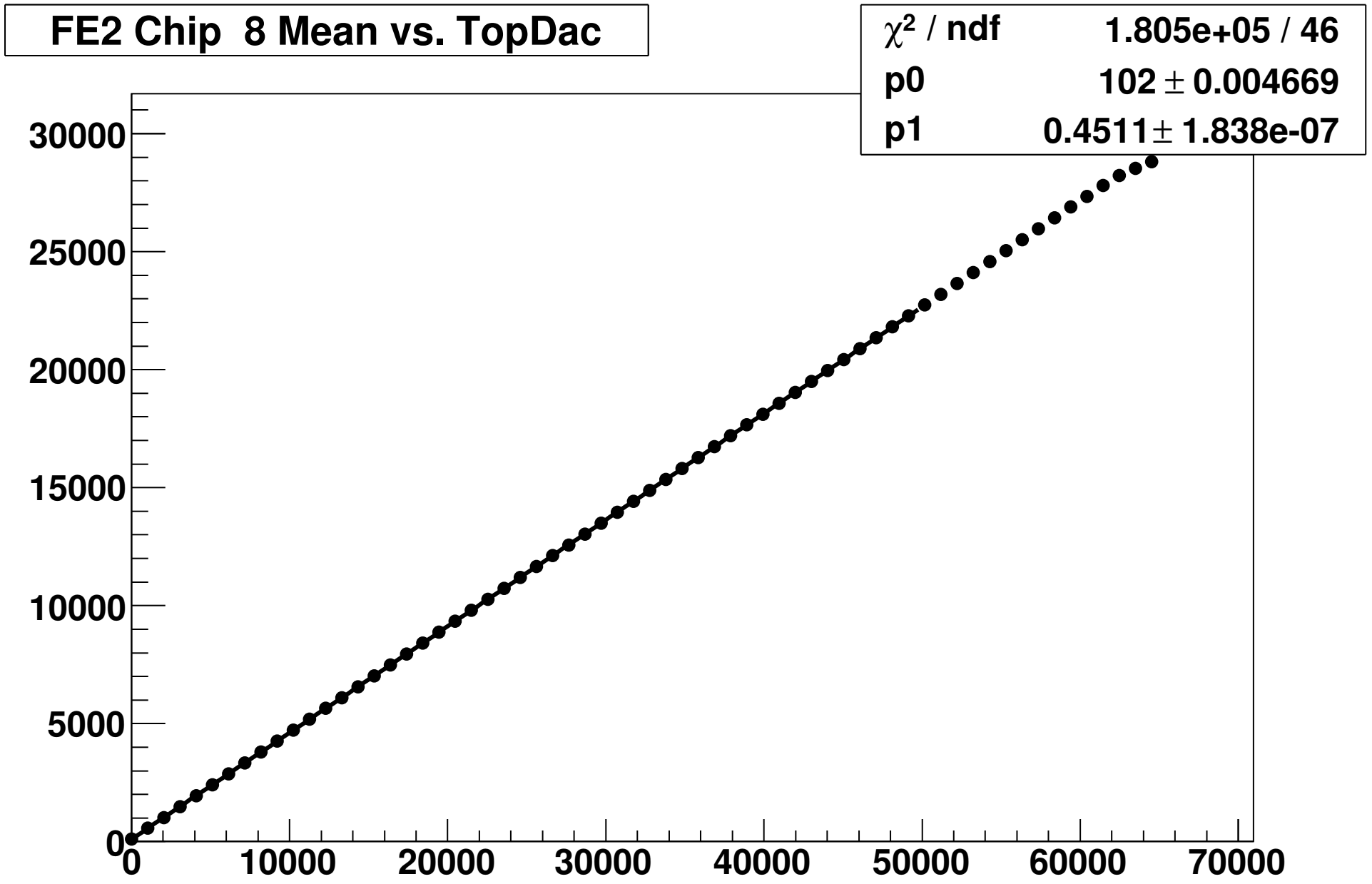

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 110 / 46
p0 1.511 ± 0.001626
p1 1.11e-15 ± 6.997e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

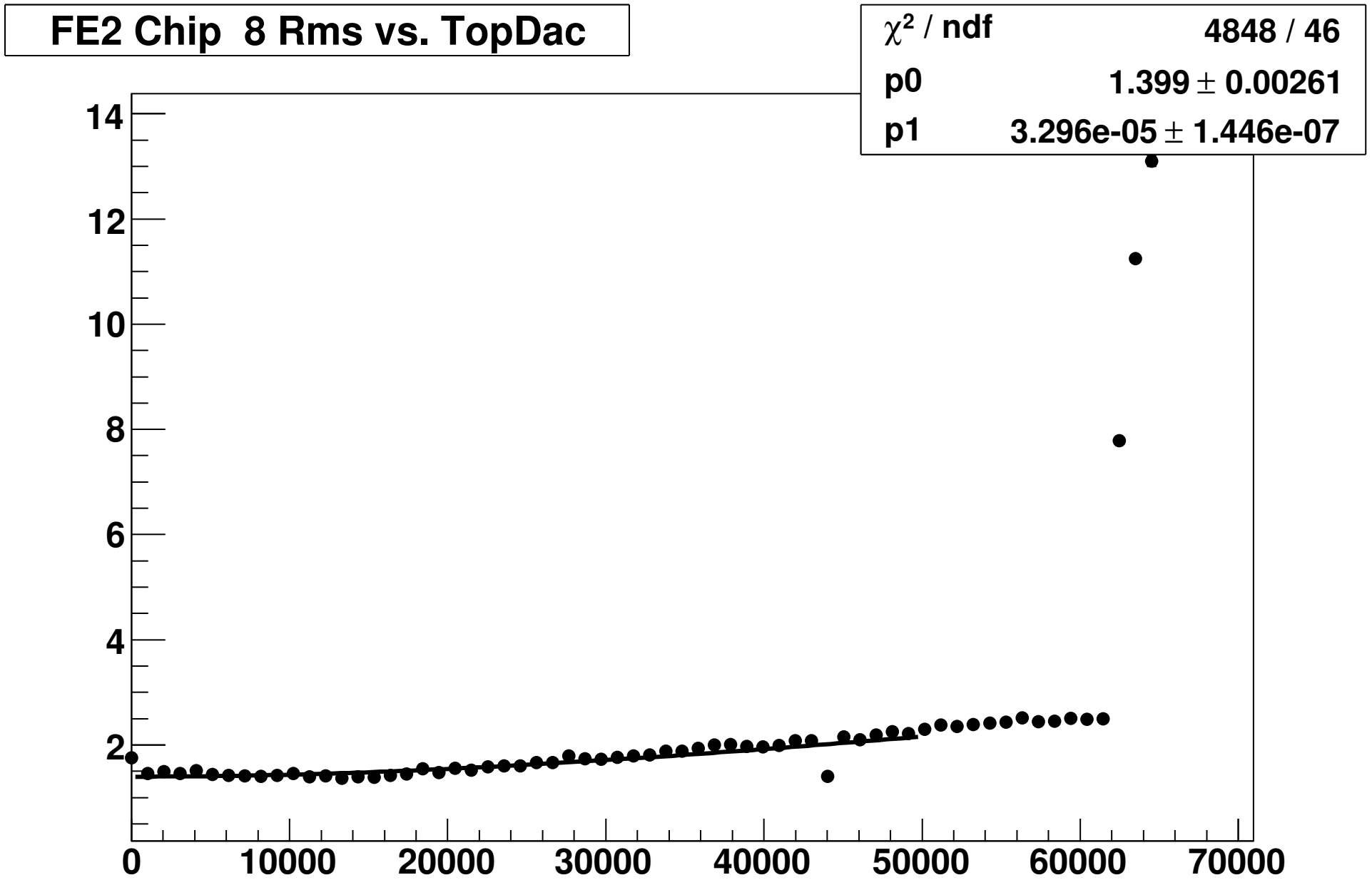

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 4.248e+10 / 46
p0 -417.8 ± 0.004686
p1 0.4517 ± 1.878e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 5046 / 46
p0 1.36 ± 0.002619
p1 3.576e-05 ± 1.381e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 6990 / 46
p0 103.5 ± 0.004597
p1 5.062e-05 ± 1.591e-07
106
105.5
105
104.5
104
103.5
103
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 61.72 / 46
p0 1.49 ± 0.001602
p1 1.221e-14 ± 1.09e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.805e+05 / 46
p0 102 ± 0.004669
p1 0.4511 ± 1.838e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 4848 / 46
p0 1.399 ± 0.00261
p1 3.296e-05 ± 1.446e-07
14
12
10
8
6
4
2
0
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20000
30000
40000
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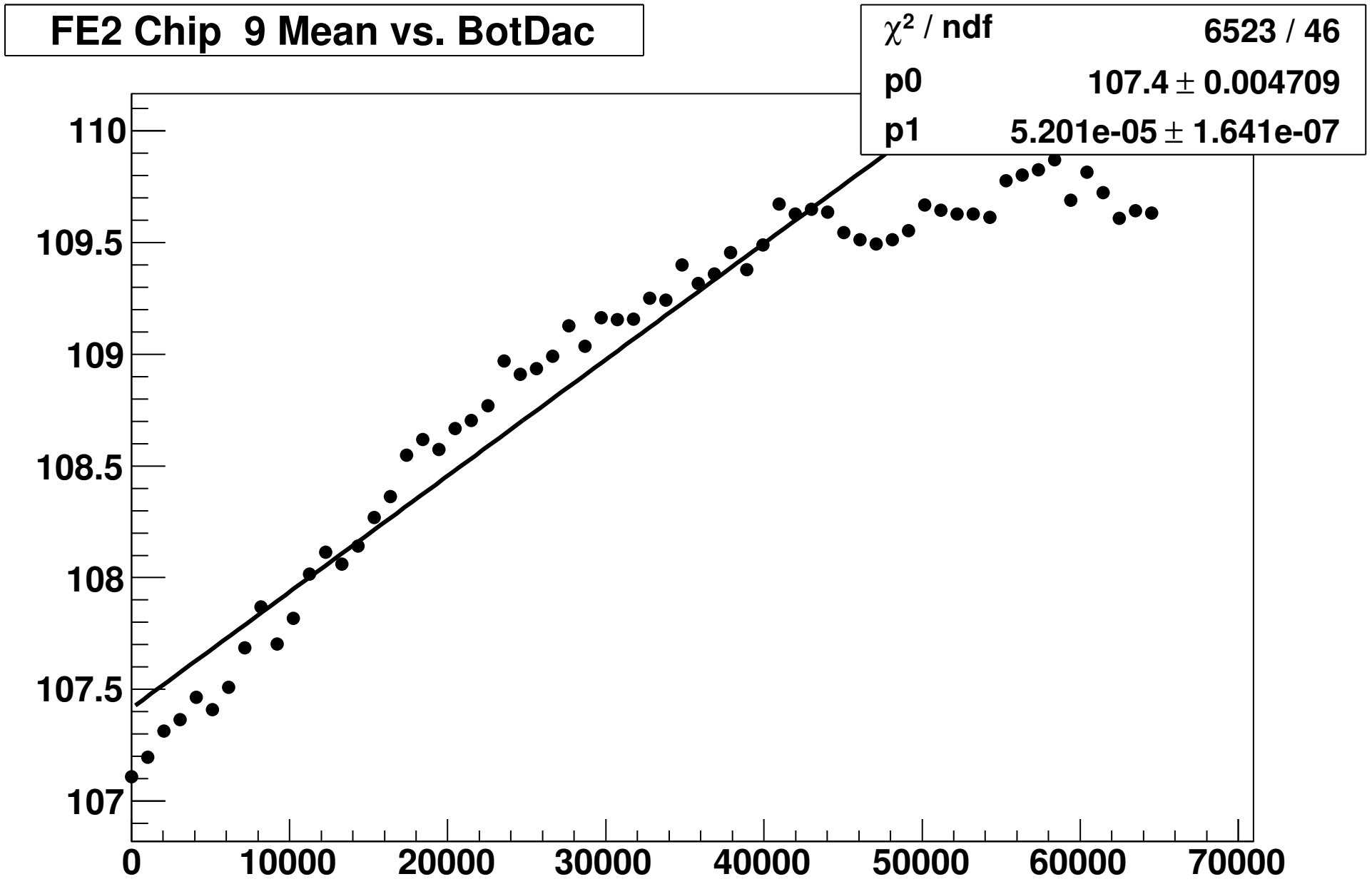
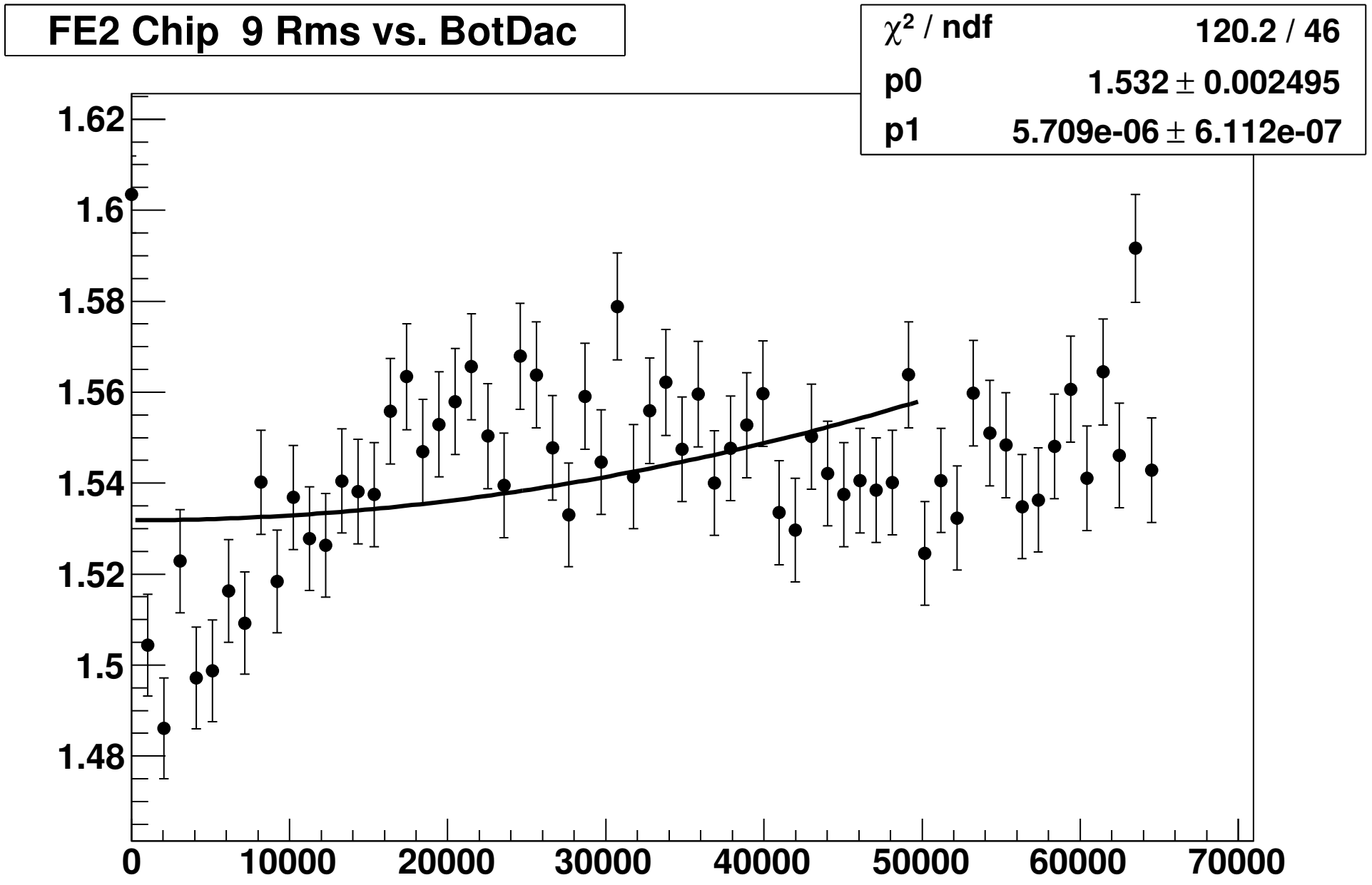
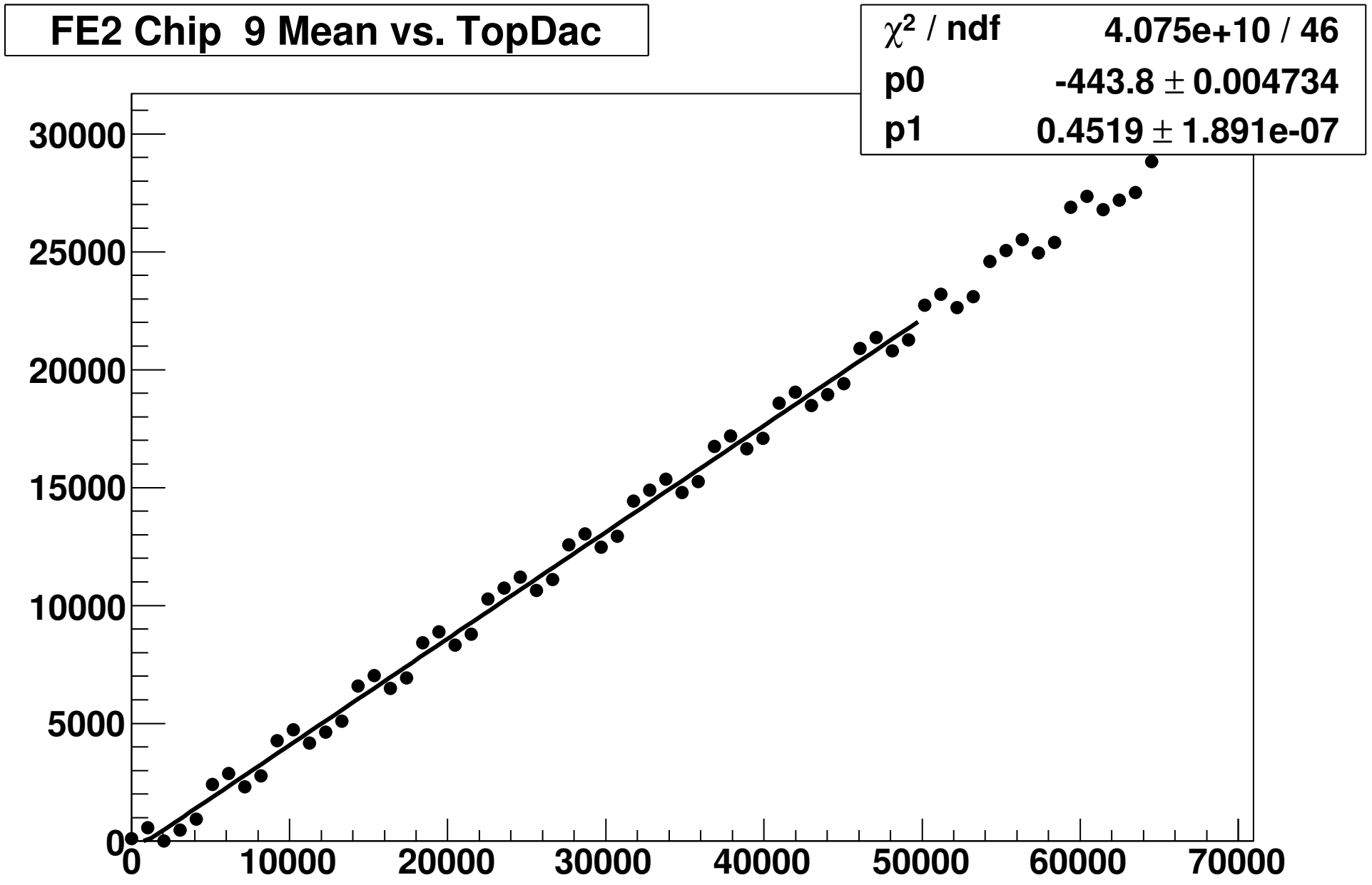
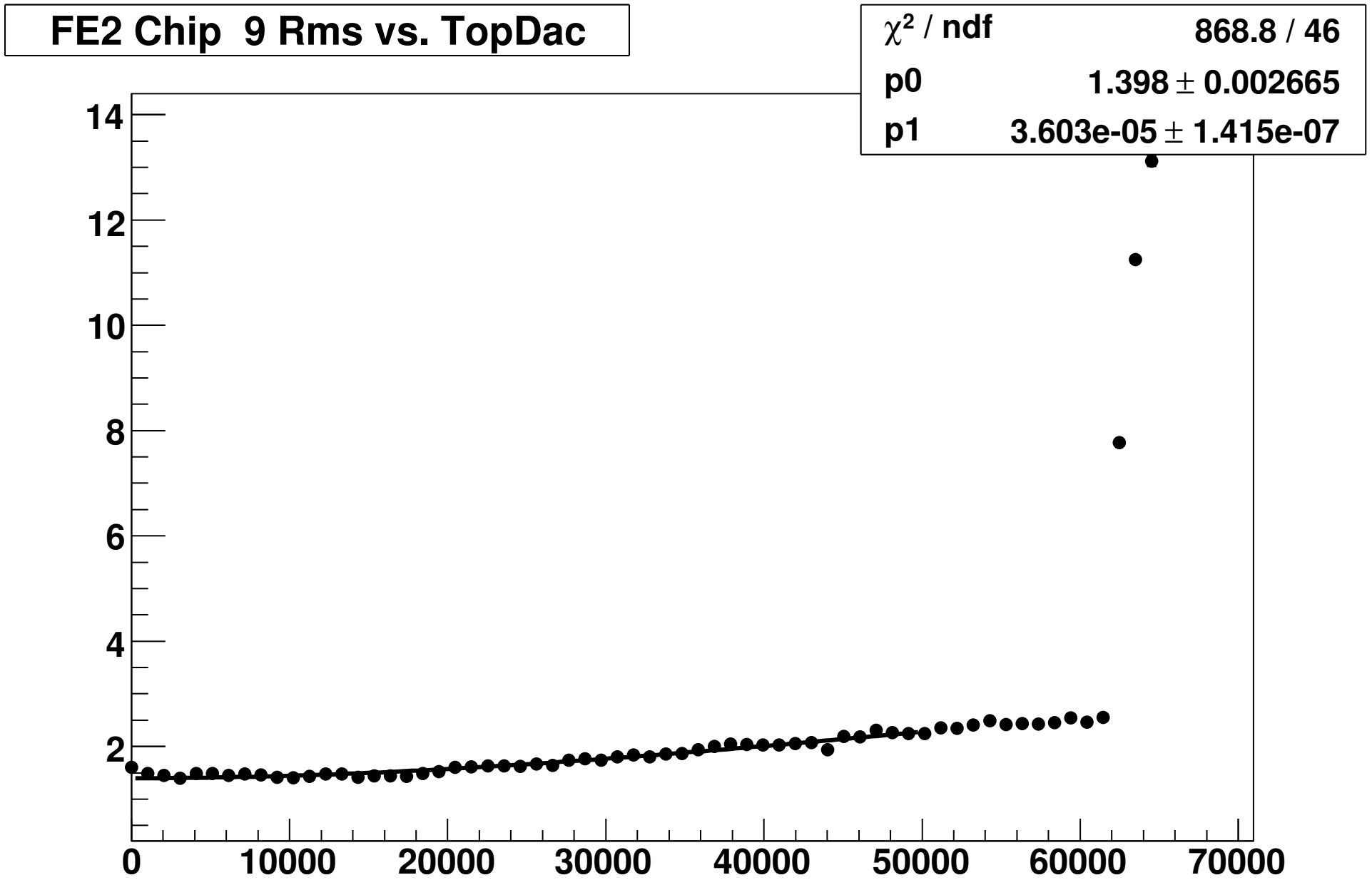
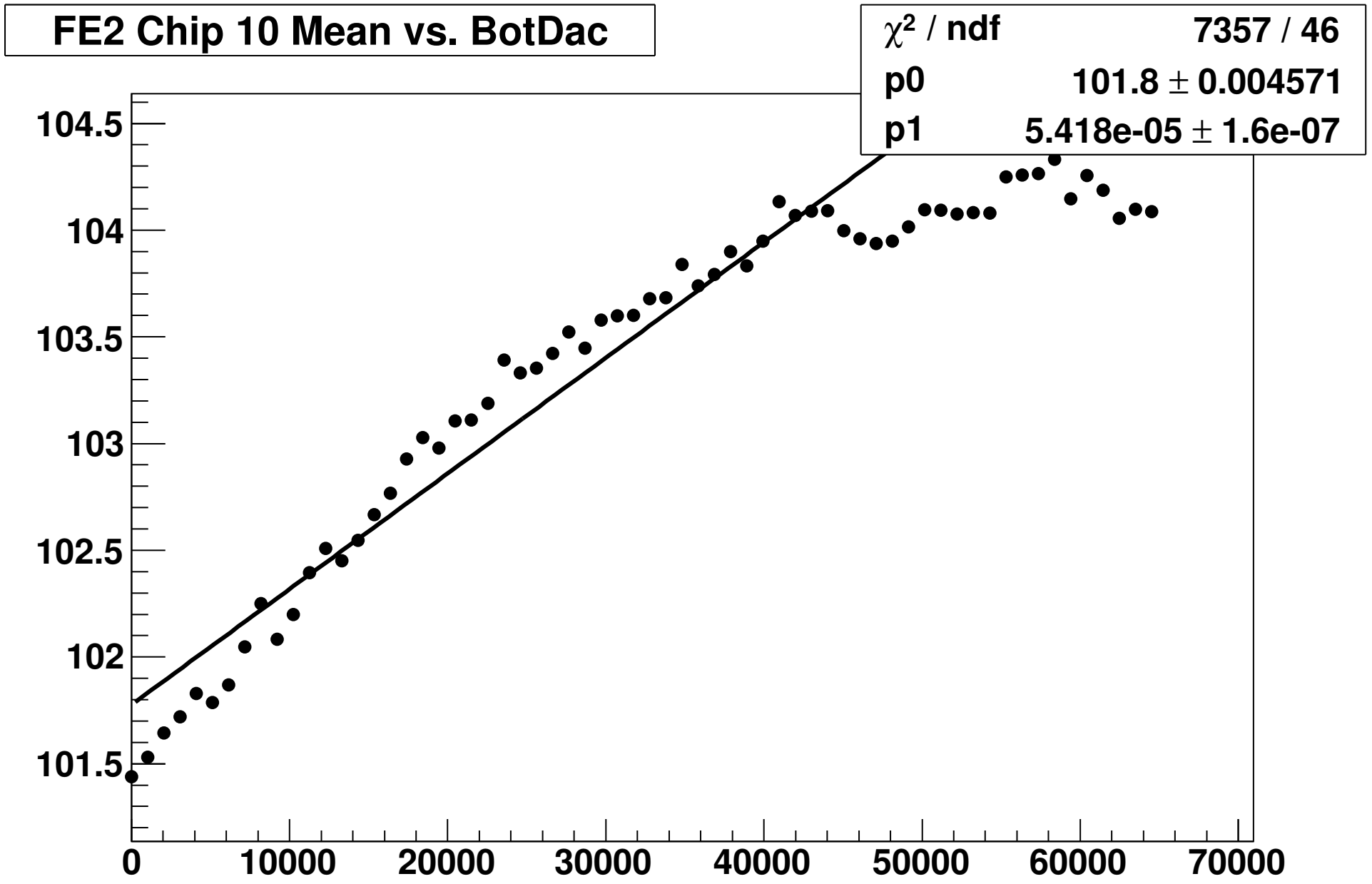
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 6523 / 46
p0 107.4 ± 0.004709
p1 5.201e-05 ± 1.641e-07
110
109.5
109
108.5
108
107.5
107
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 120.2 / 46
p0 1.532 ± 0.002495
p1 5.709e-06 ± 6.112e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 4.075e+10 / 46
p0 -443.8 ± 0.004734
p1 0.4519 ± 1.891e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 868.8 / 46
p0 1.398 ± 0.002665
p1 3.603e-05 ± 1.415e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 7357 / 46
p0 101.8 ± 0.004571
p1 5.418e-05 ± 1.6e-07
104.5
104
103.5
103
102.5
102
101.5
0
10000
20000
30000
40000
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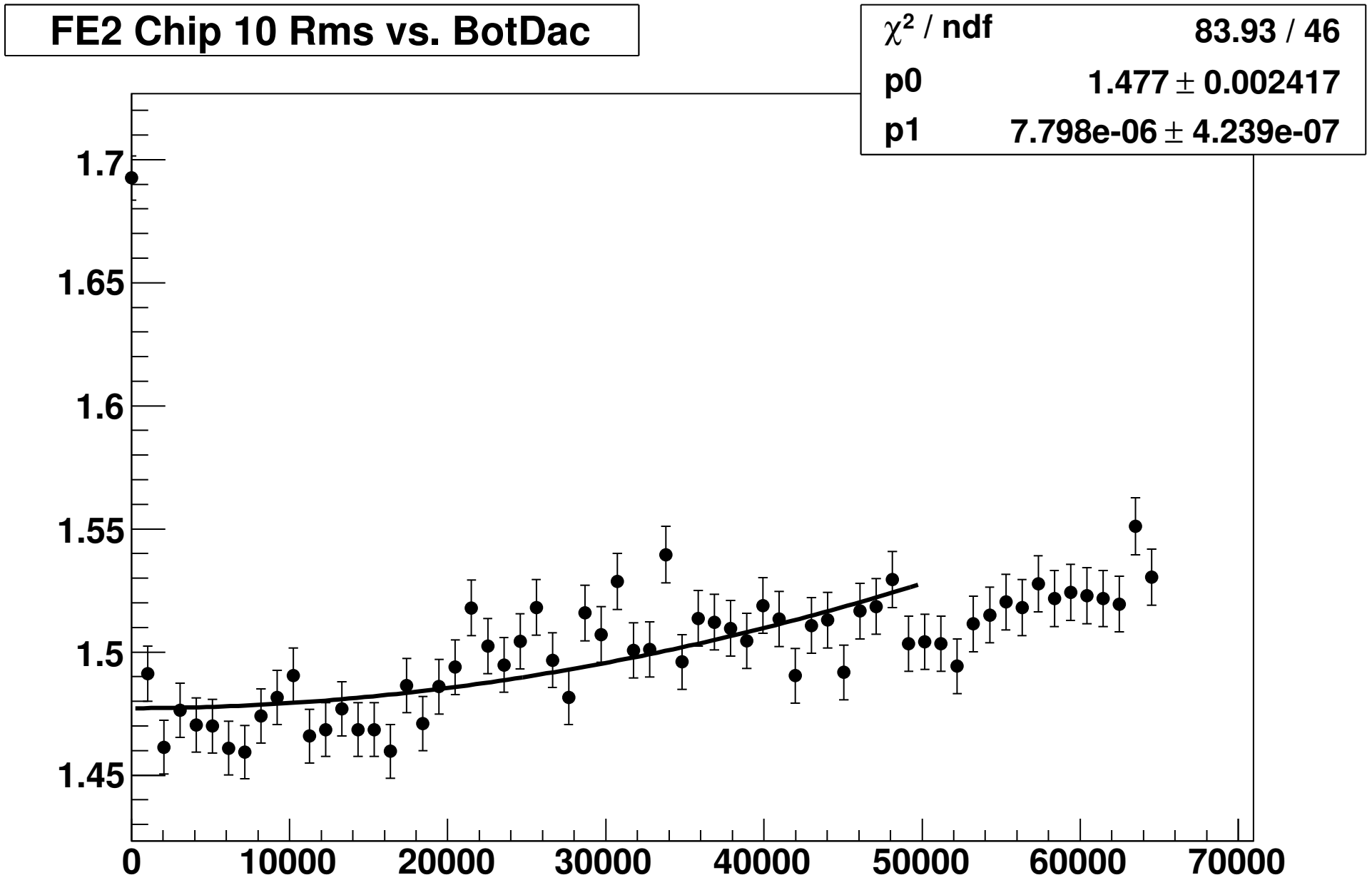
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 83.93 / 46
p0 1.477 ± 0.002417
p1 7.798e-06 ± 4.239e-07
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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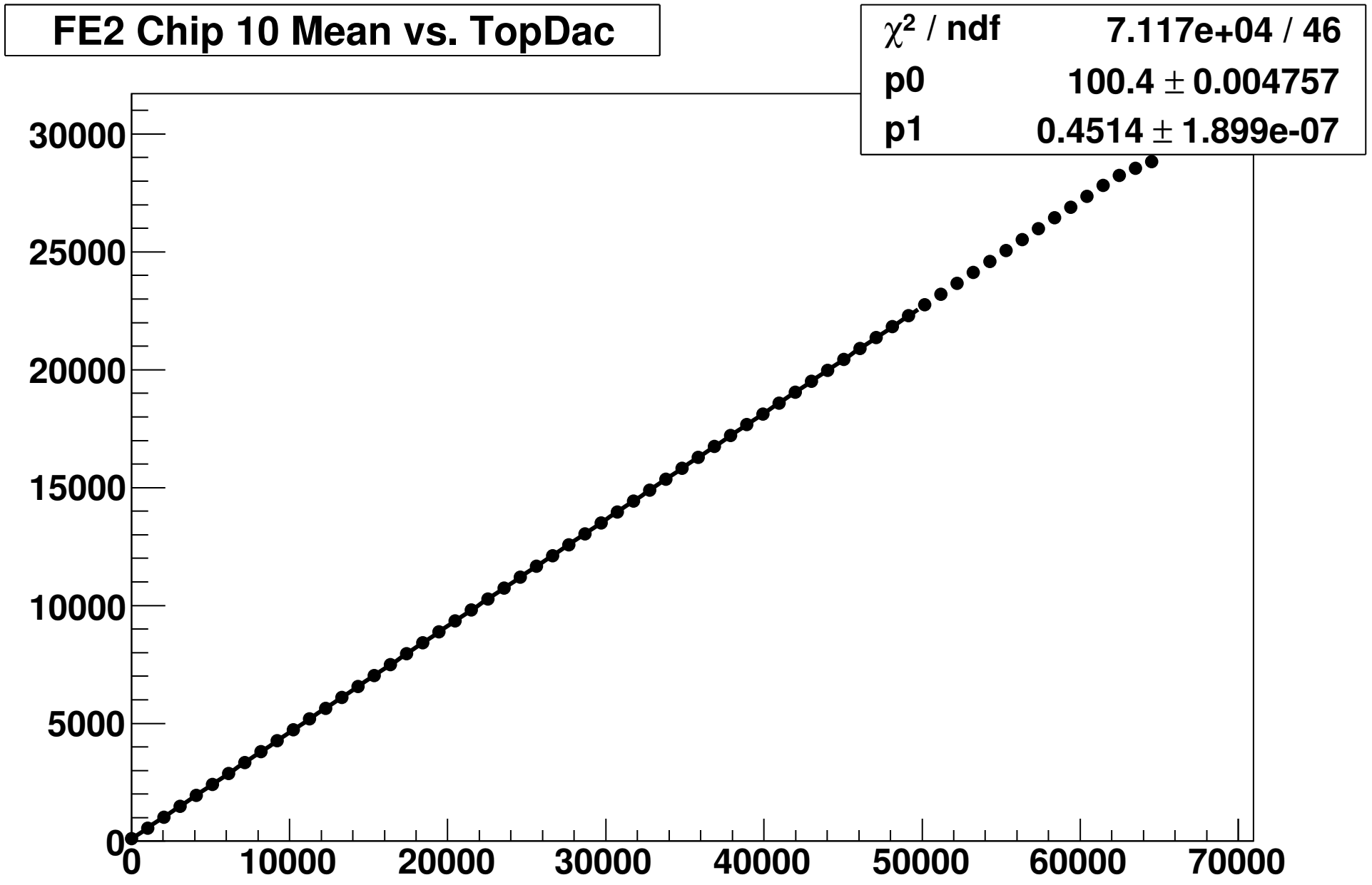
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 7.117e+04 / 46
p0 100.4 ± 0.004757
p1 0.4514 ± 1.899e-07
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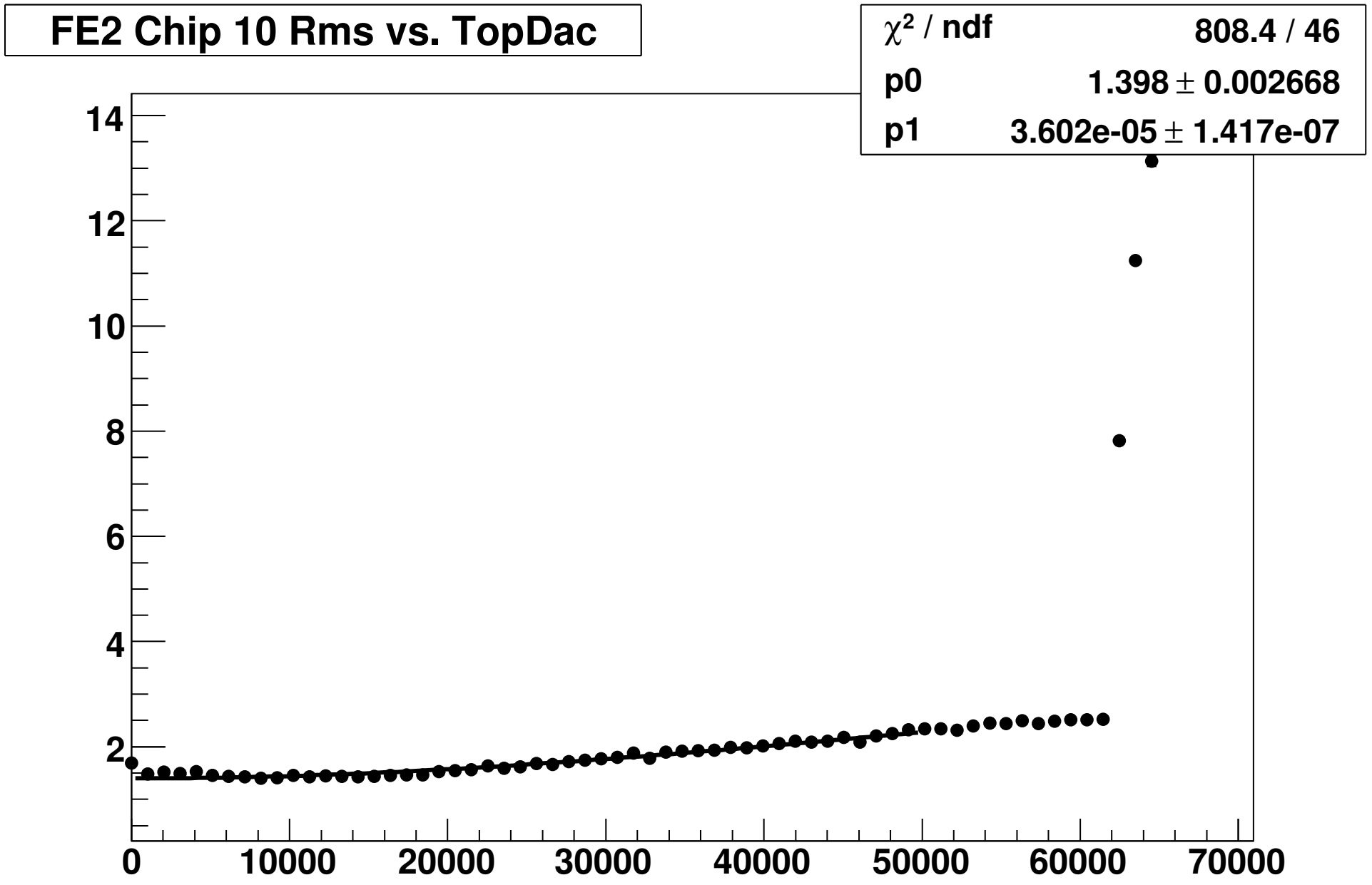
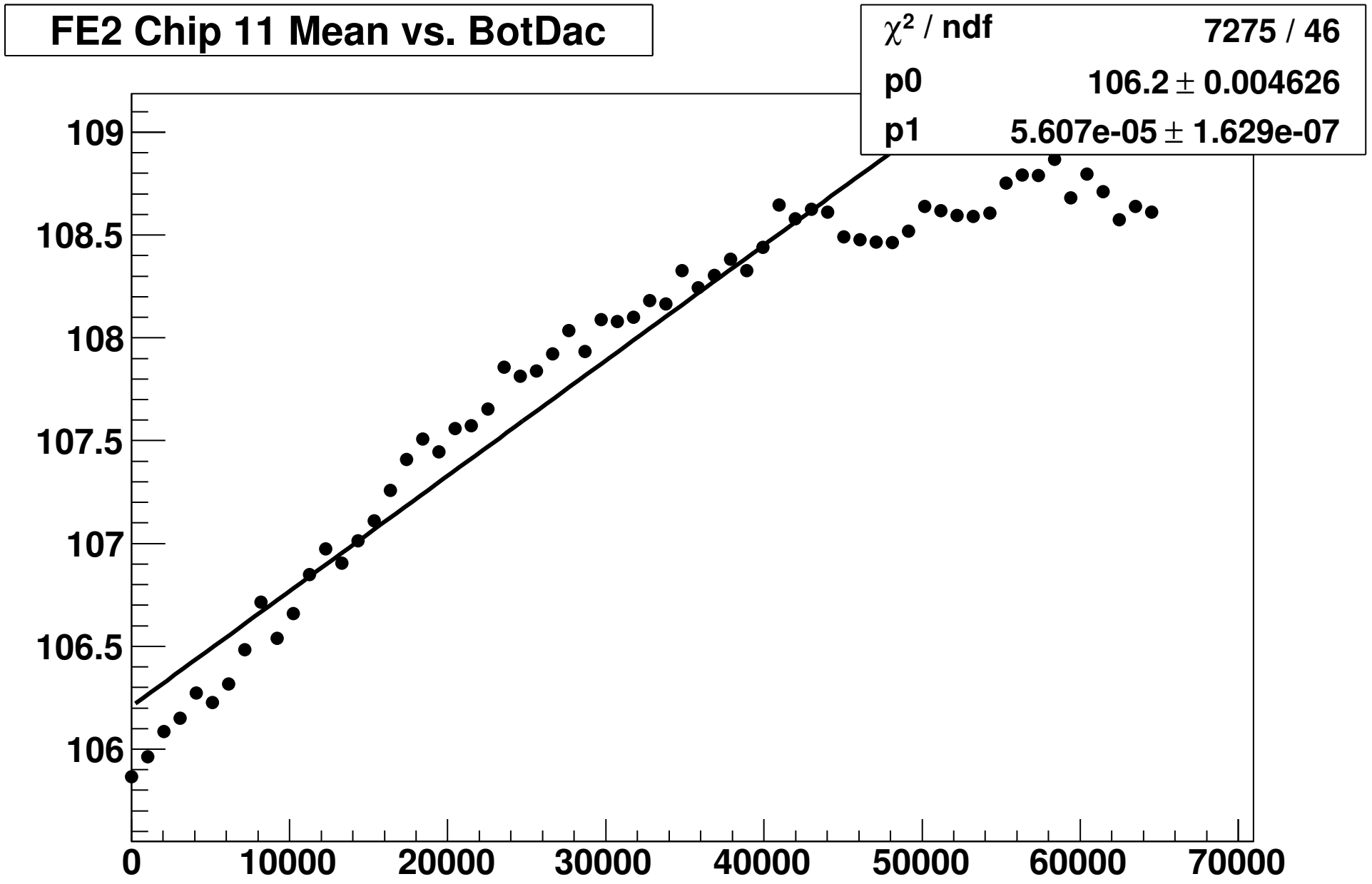
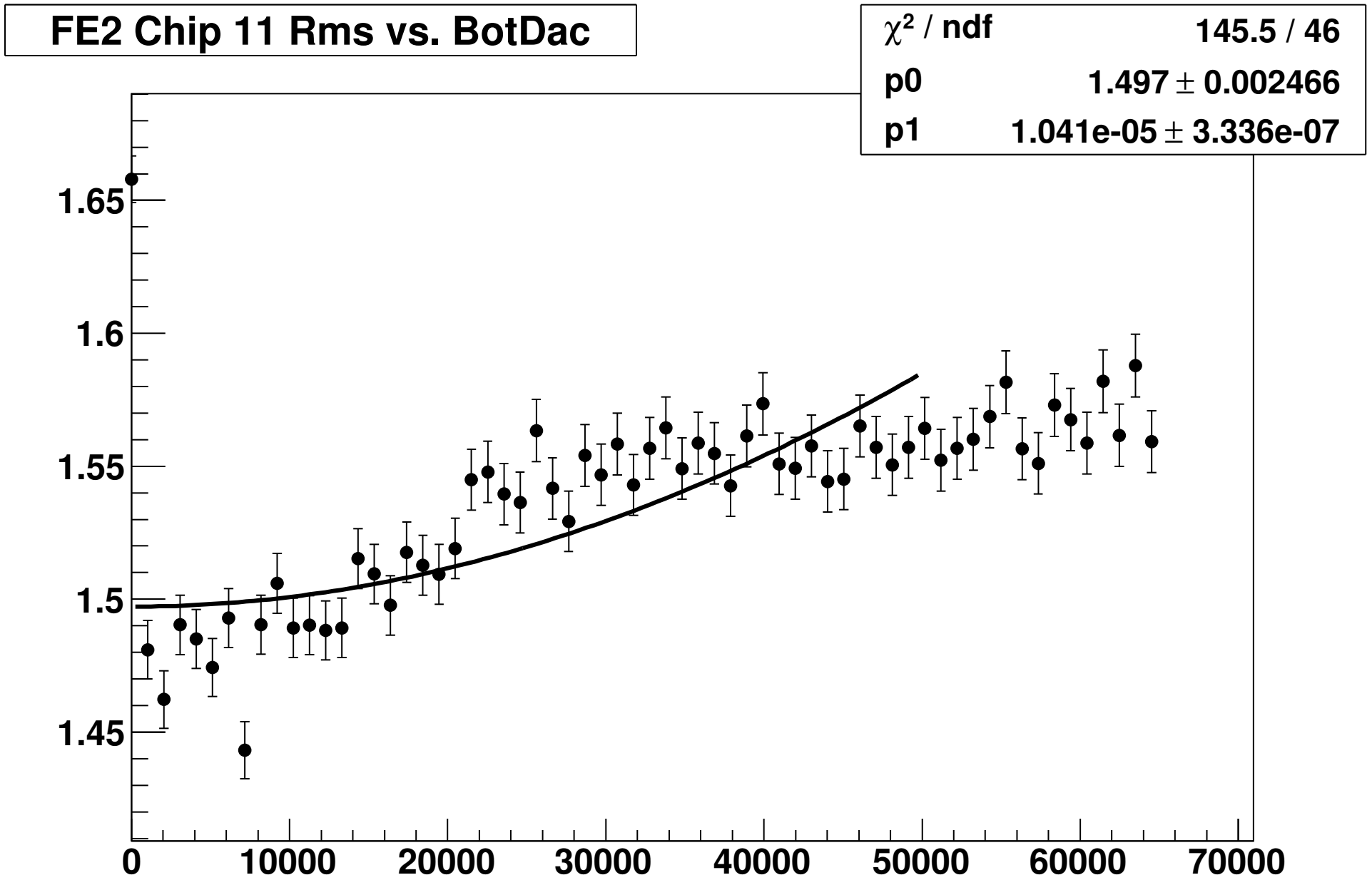
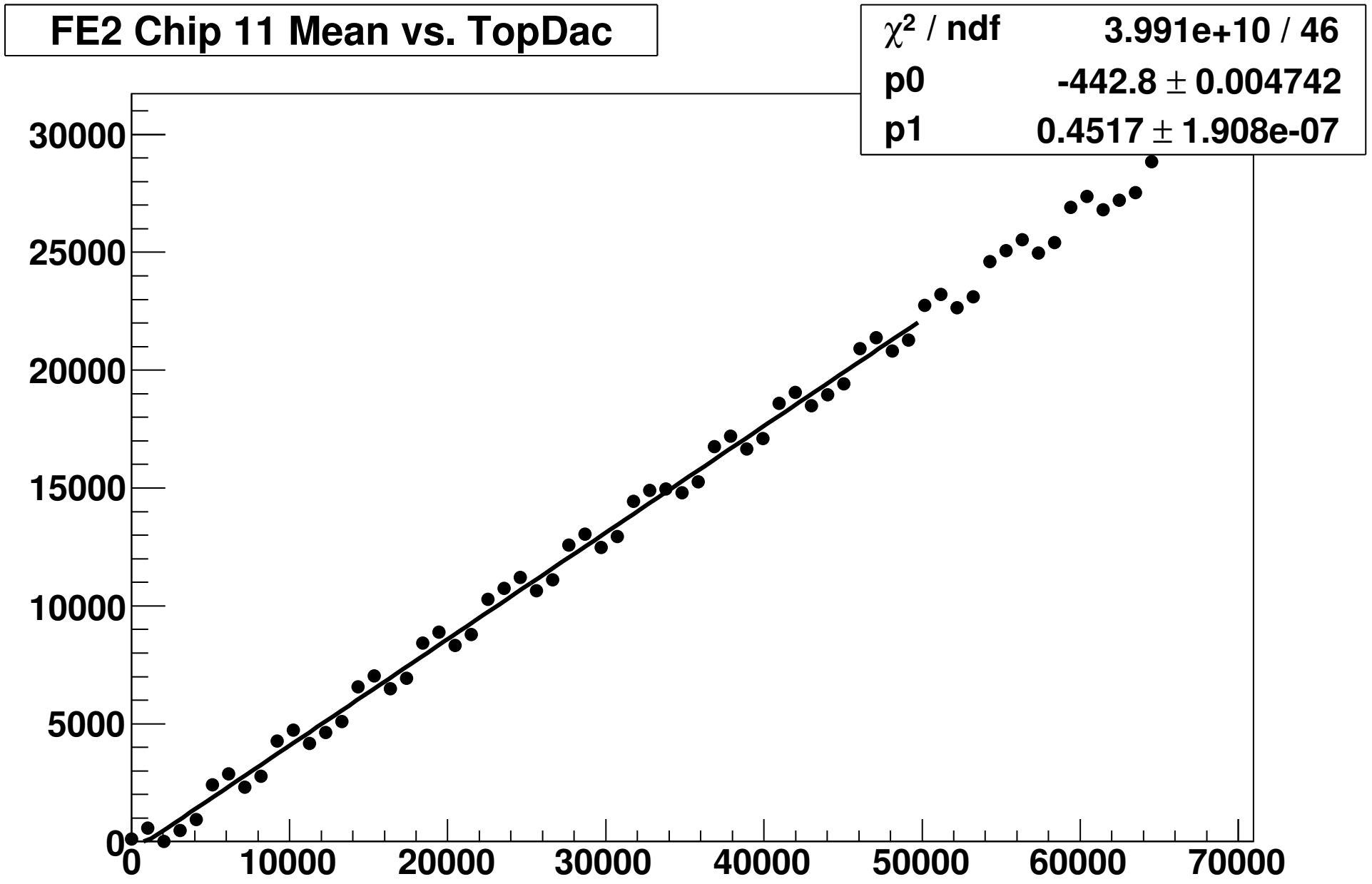
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 808.4 / 46
p0 1.398 ± 0.002668
p1 3.602e-05 ± 1.417e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 7275 / 46
p0 106.2 ± 0.004626
p1 5.607e-05 ± 1.629e-07
109
108.5
108
107.5
107
106.5
106
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 145.5 / 46
p0 1.497 ± 0.002466
p1 1.041e-05 ± 3.336e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 3.991e+10 / 46
p0 -442.8 ± 0.004742
p1 0.4517 ± 1.908e-07
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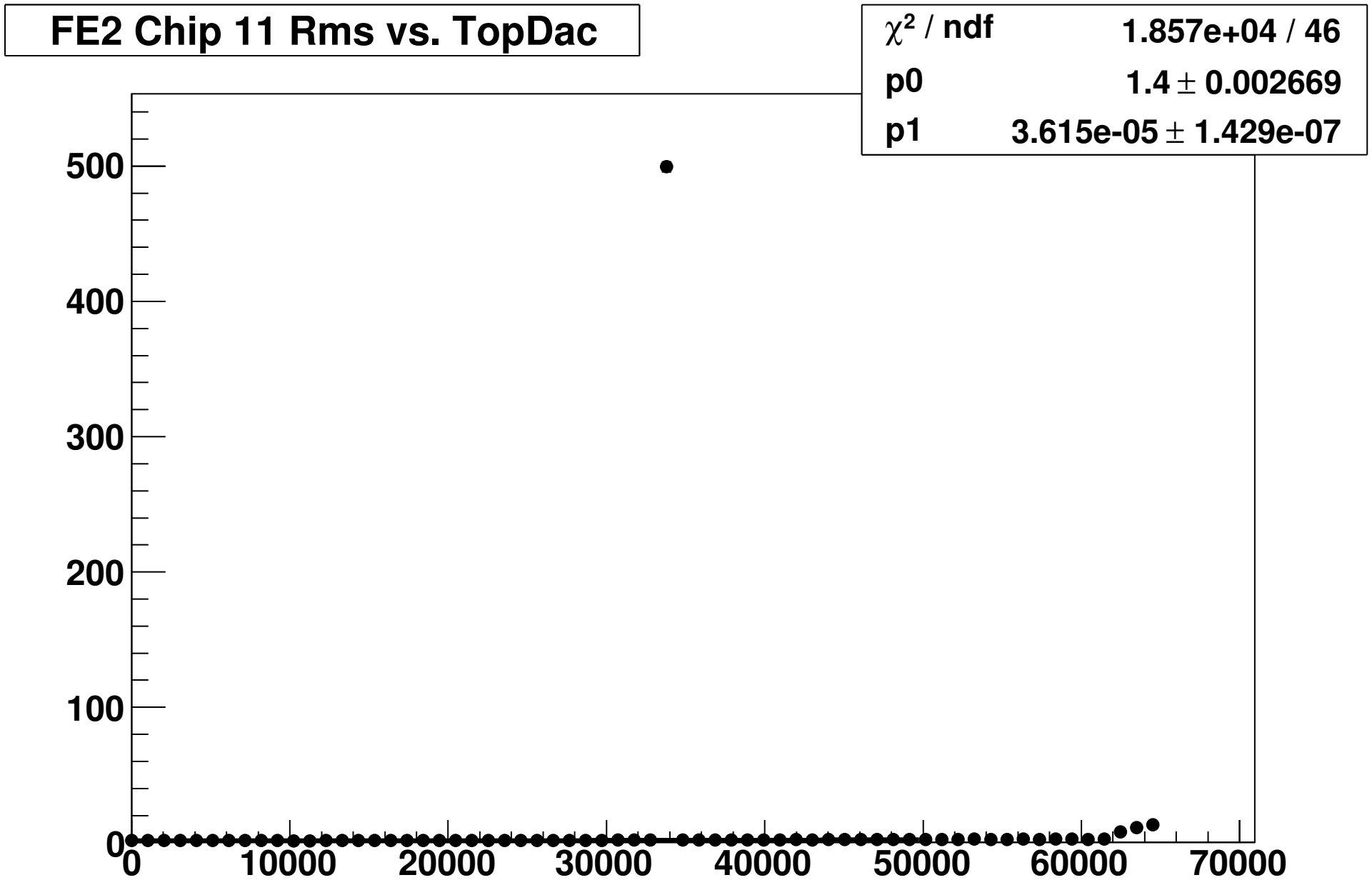
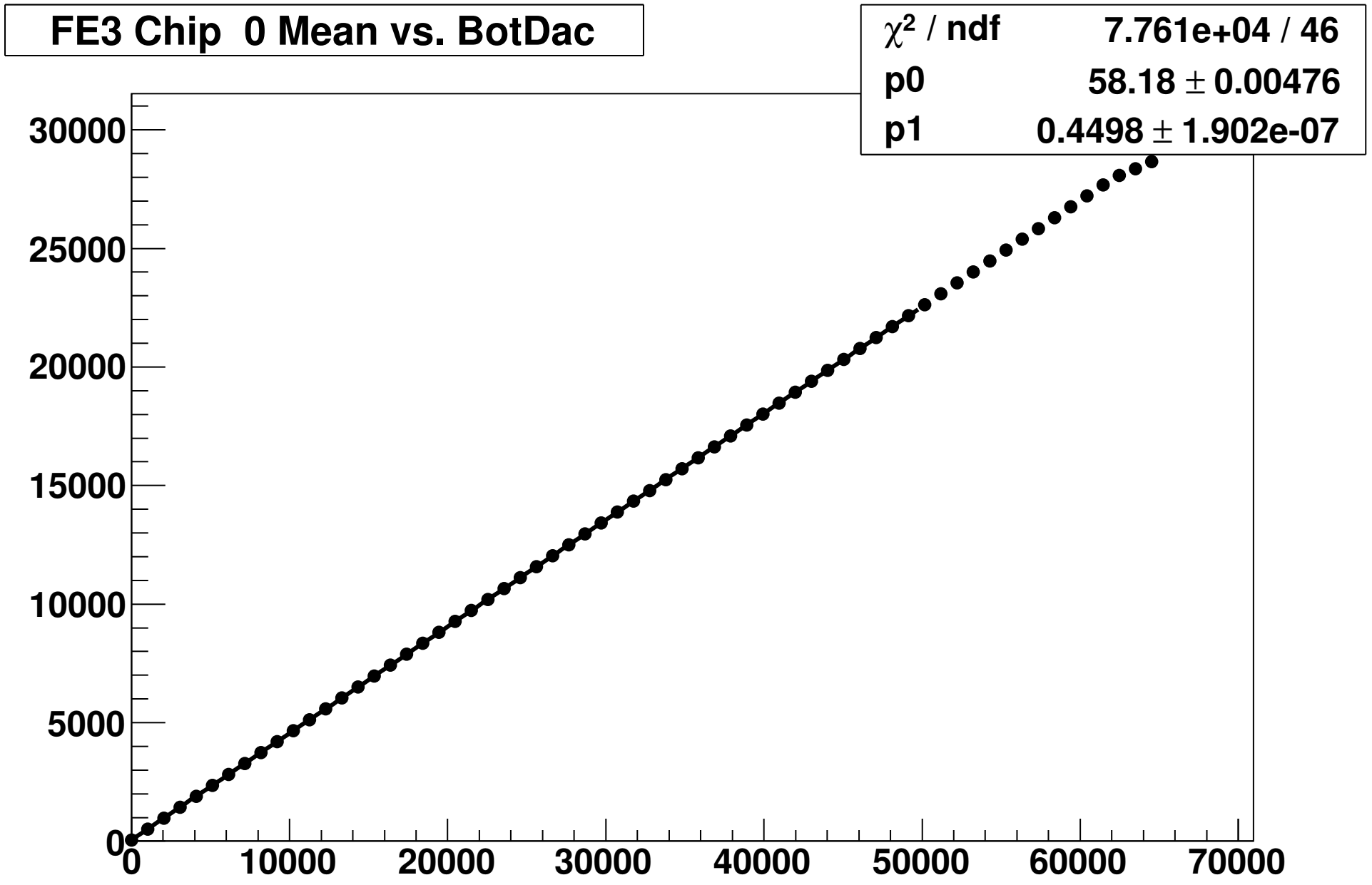
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1.857e+04 / 46
p0 1.4 ± 0.002669
p1 3.615e-05 ± 1.429e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 7.761e+04 / 46
p0 58.18 ± 0.00476
p1 0.4498 ± 1.902e-07
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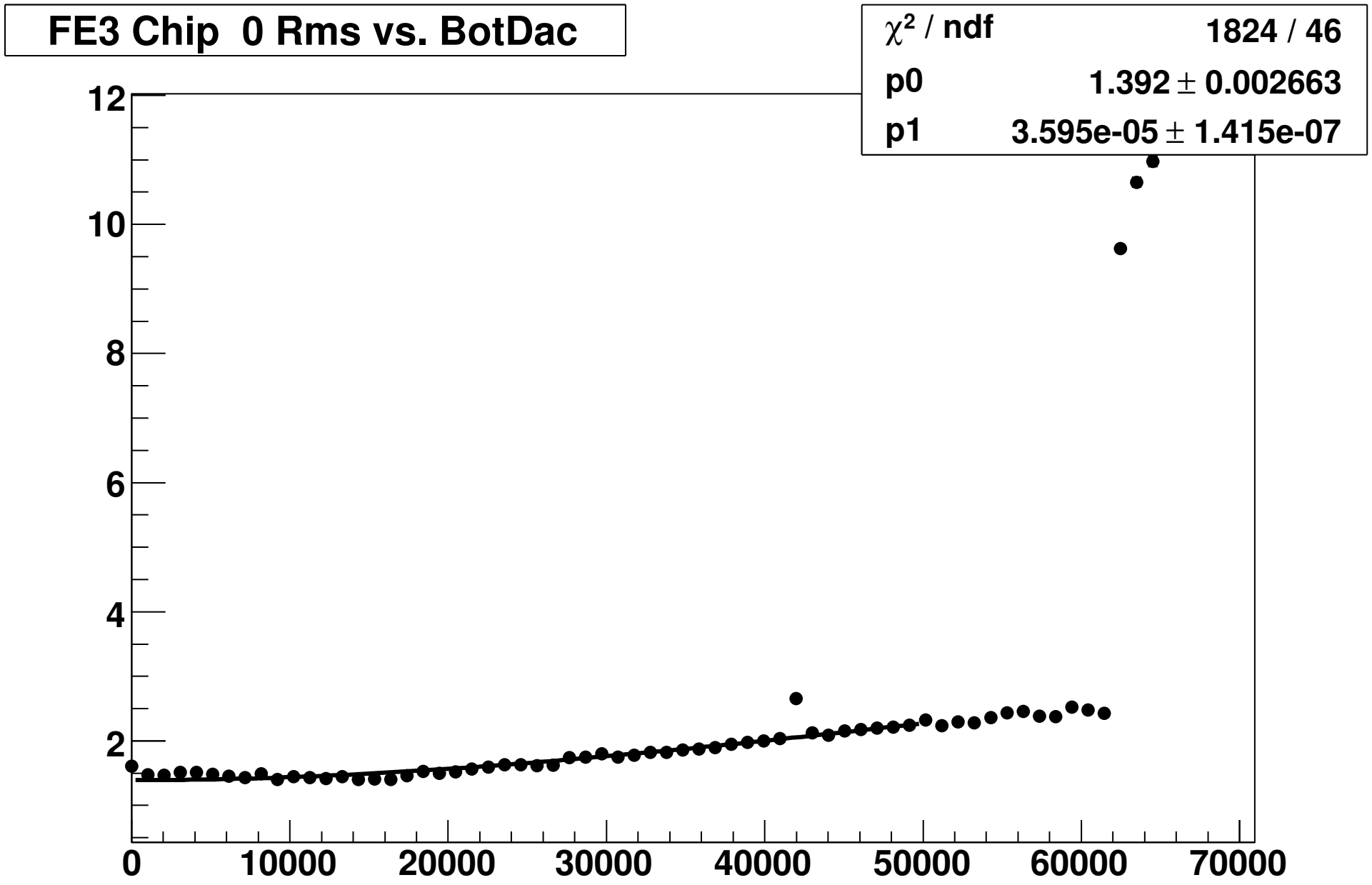
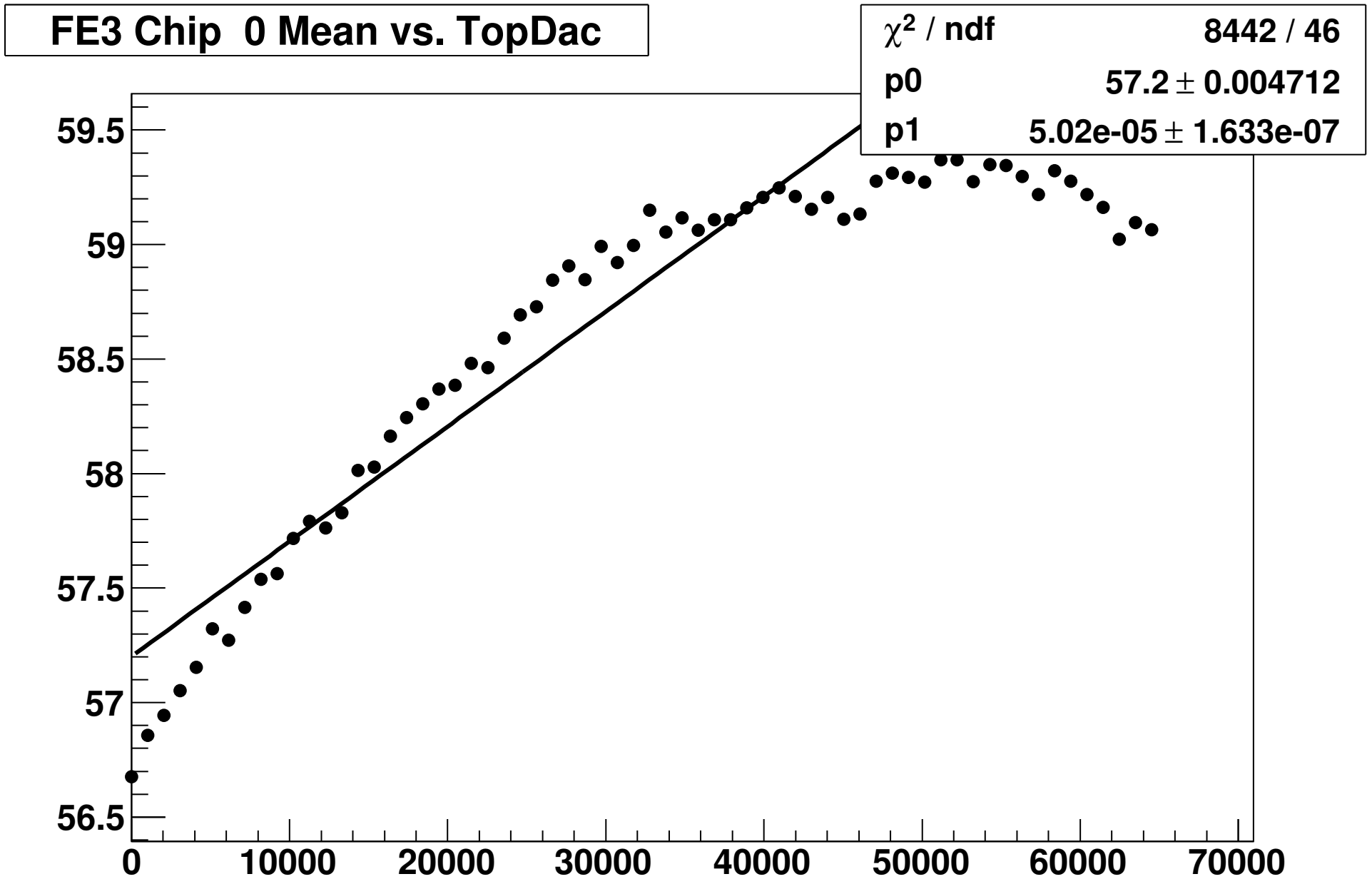
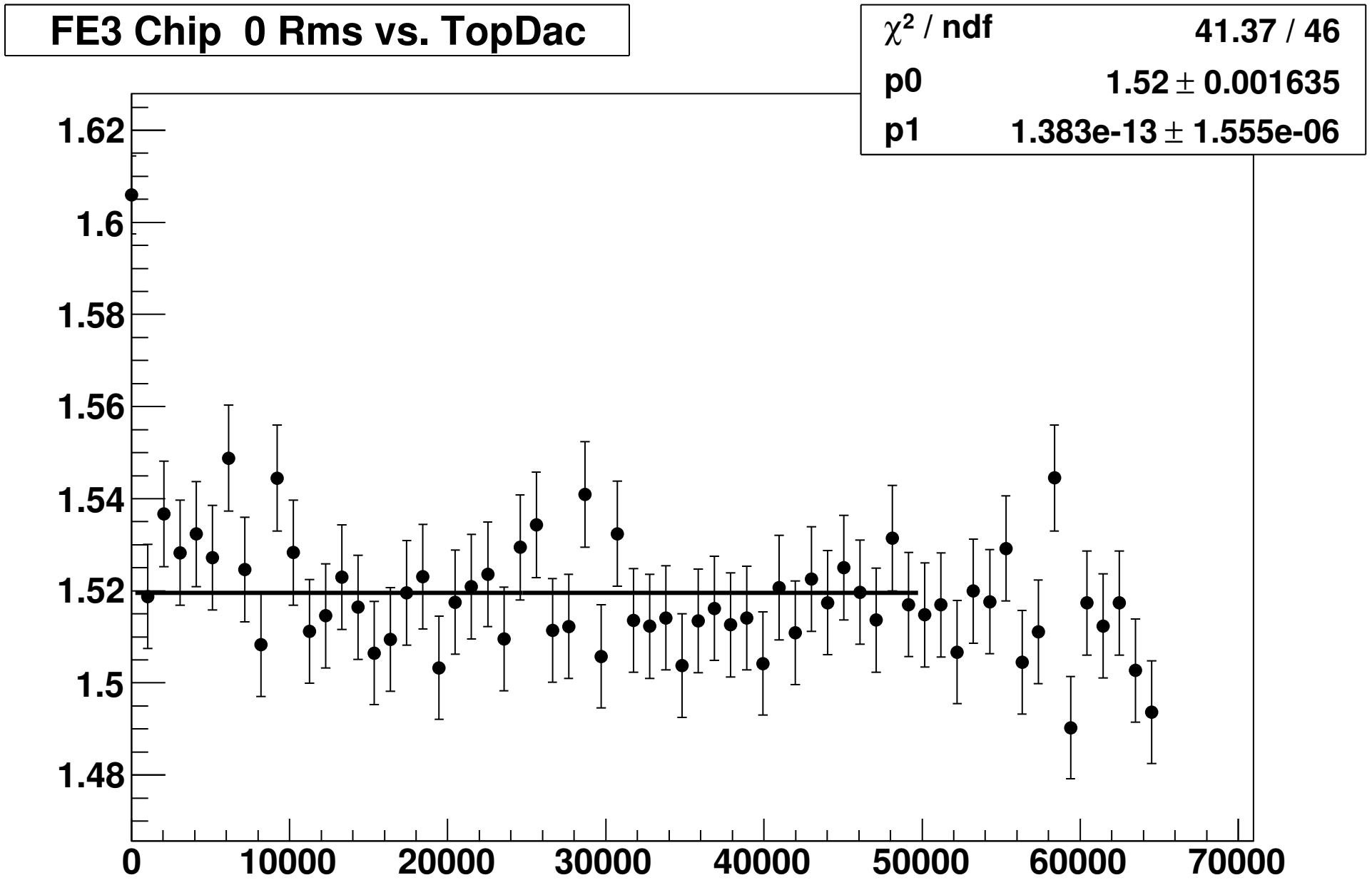
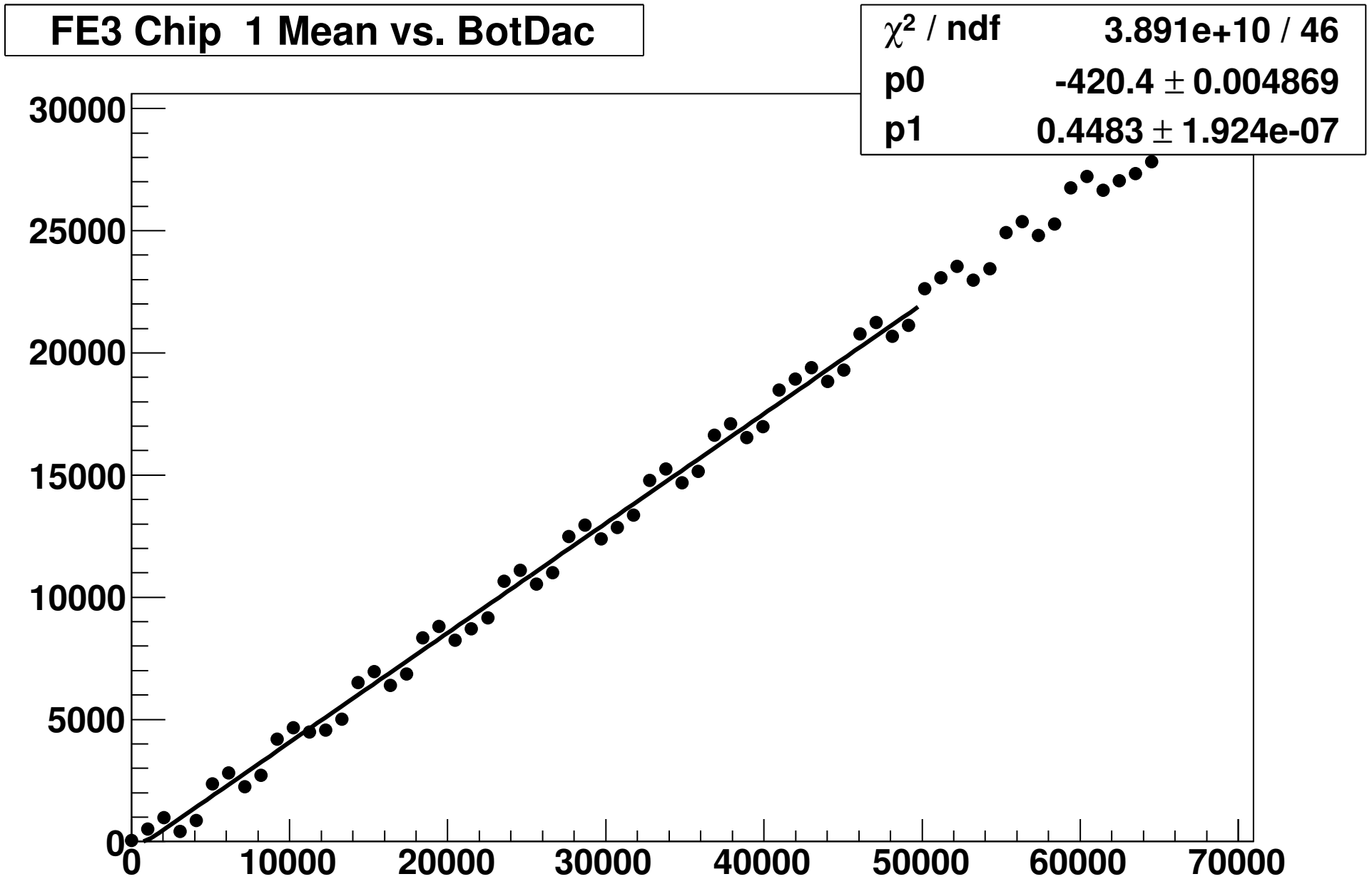
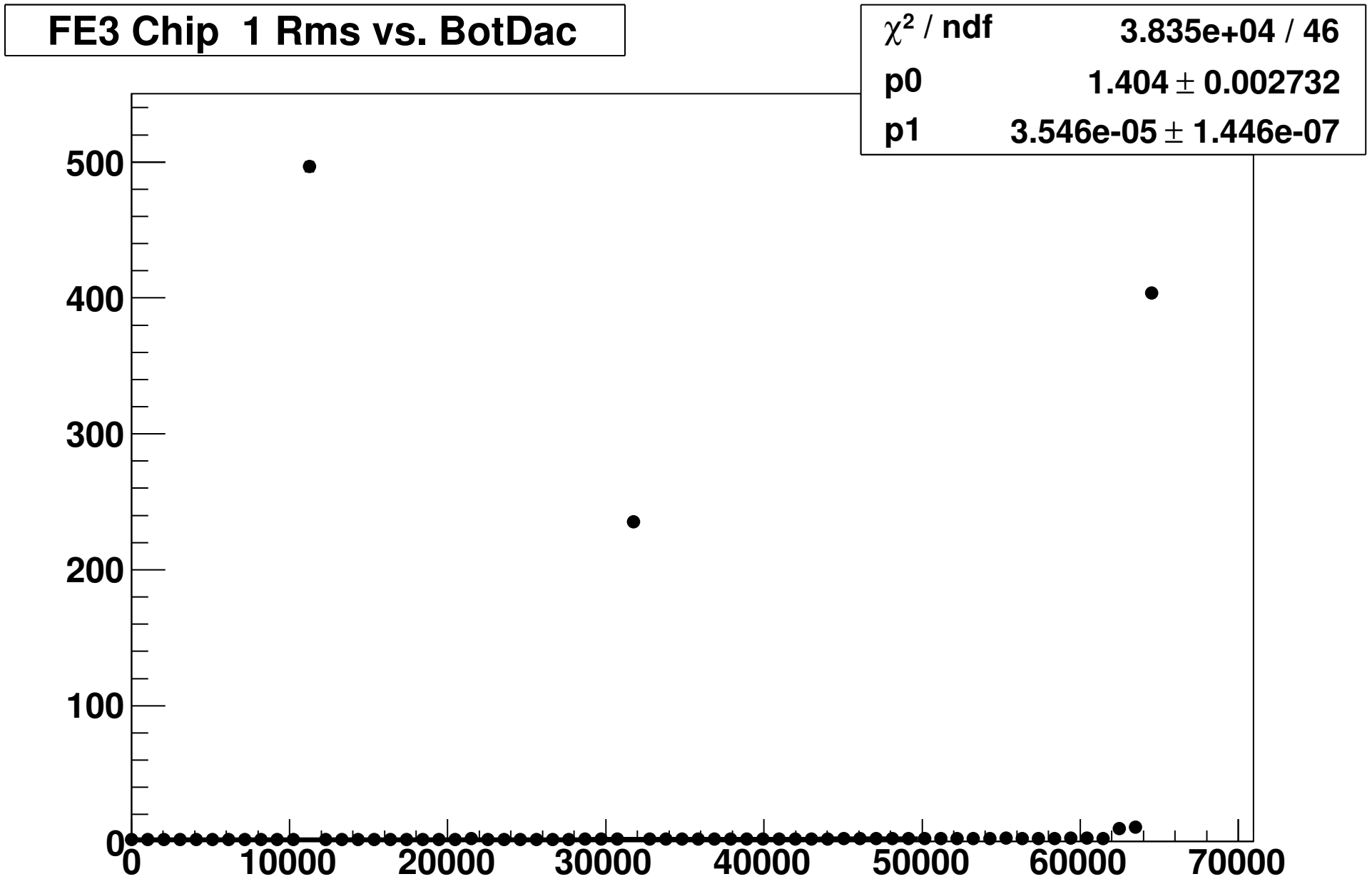
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

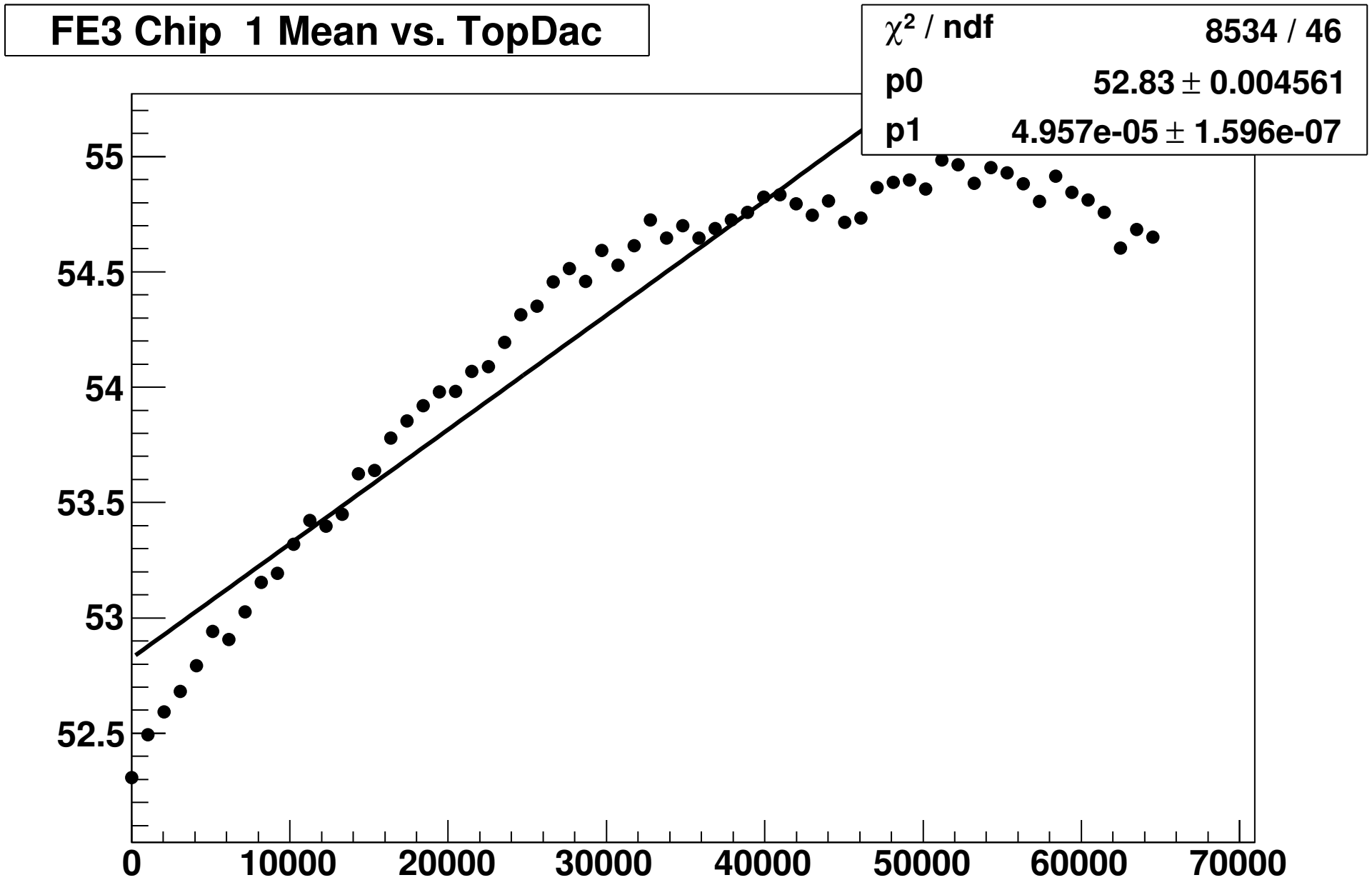

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1824 / 46
p0 1.392 ± 0.002663
p1 3.595e-05 ± 1.415e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

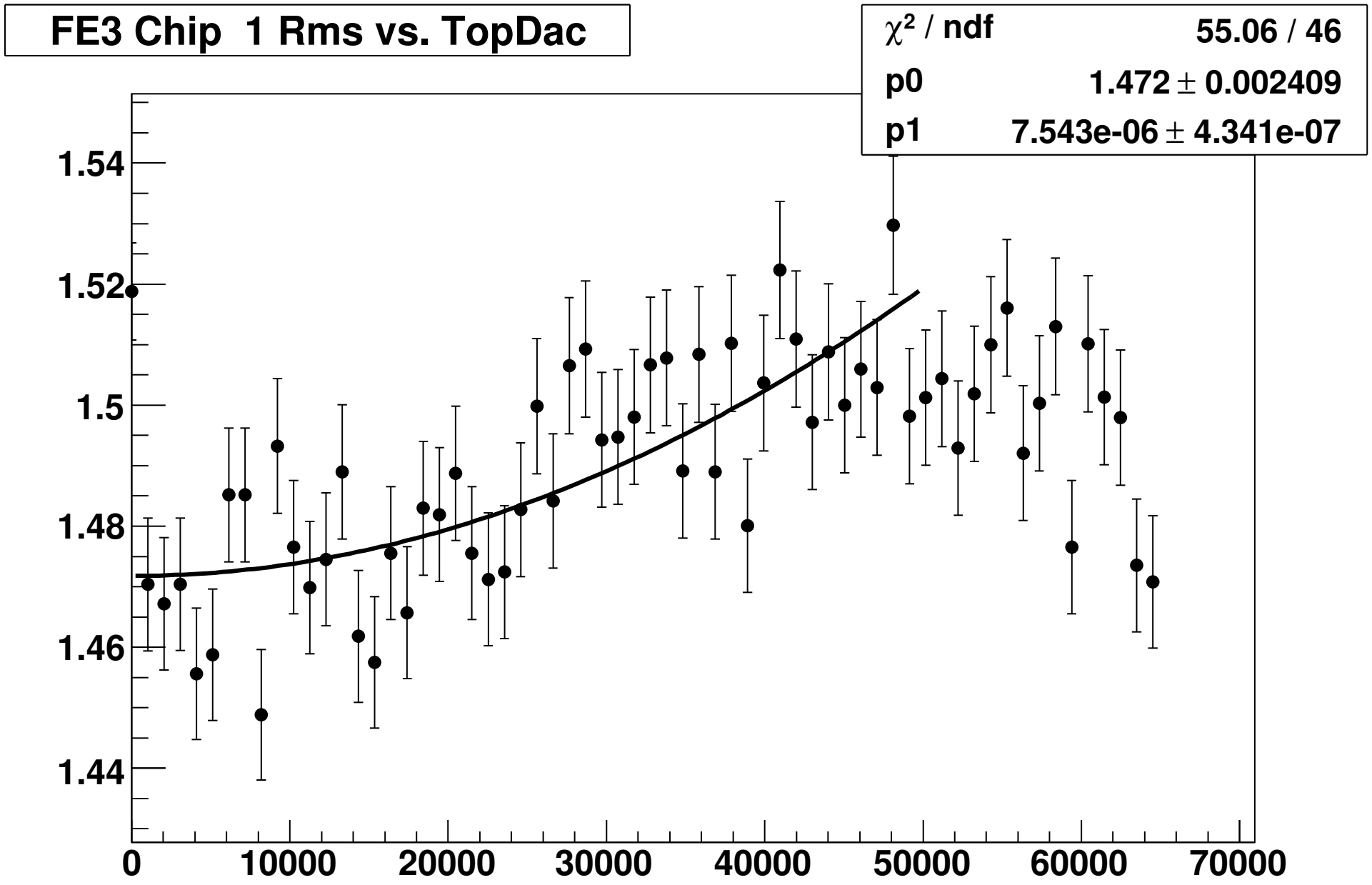

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 8442 / 46
p0 57.2 ± 0.004712
p1 5.02e-05 ± 1.633e-07
59.5
59
58.5
58
57.5
57
56.5
0
10000
20000
30000
40000
50000
60000
70000

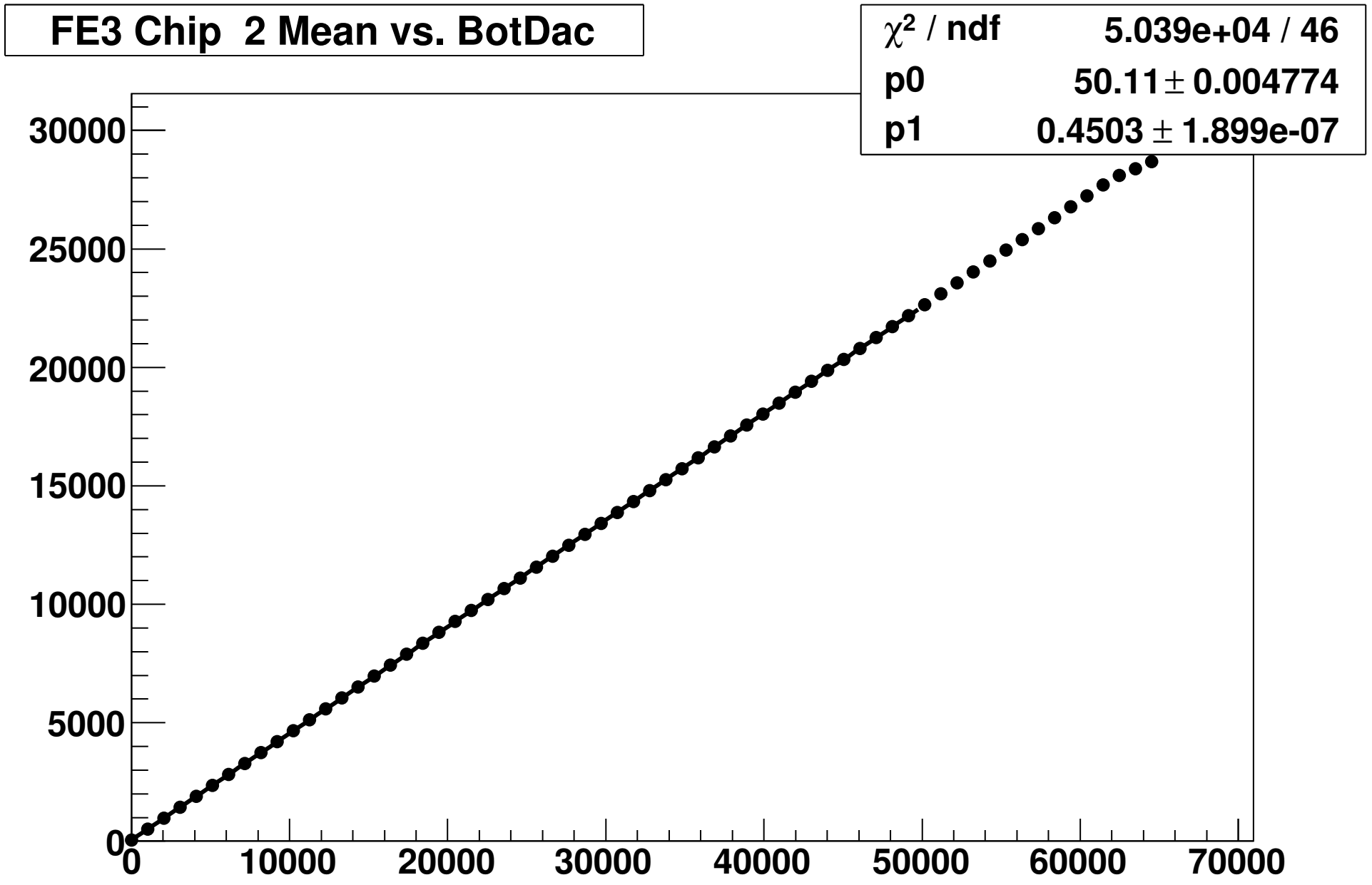

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 41.37 / 46
p0 1.52 ± 0.001635
p1 1.383e-13 ± 1.555e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 3.891e+10 / 46
p0 -420.4 ± 0.004869
p1 0.4483 ± 1.924e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 3.835e+04 / 46
p0 1.404 ± 0.002732
p1 3.546e-05 ± 1.446e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 8534 / 46
p0 52.83 ± 0.004561
p1 4.957e-05 ± 1.596e-07
55
54.5
54
53.5
53
52.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 55.06 / 46
p0 1.472 ± 0.002409
p1 7.543e-06 ± 4.341e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 5.039e+04 / 46
p0 50.11 ± 0.004774
p1 0.4503 ± 1.899e-07
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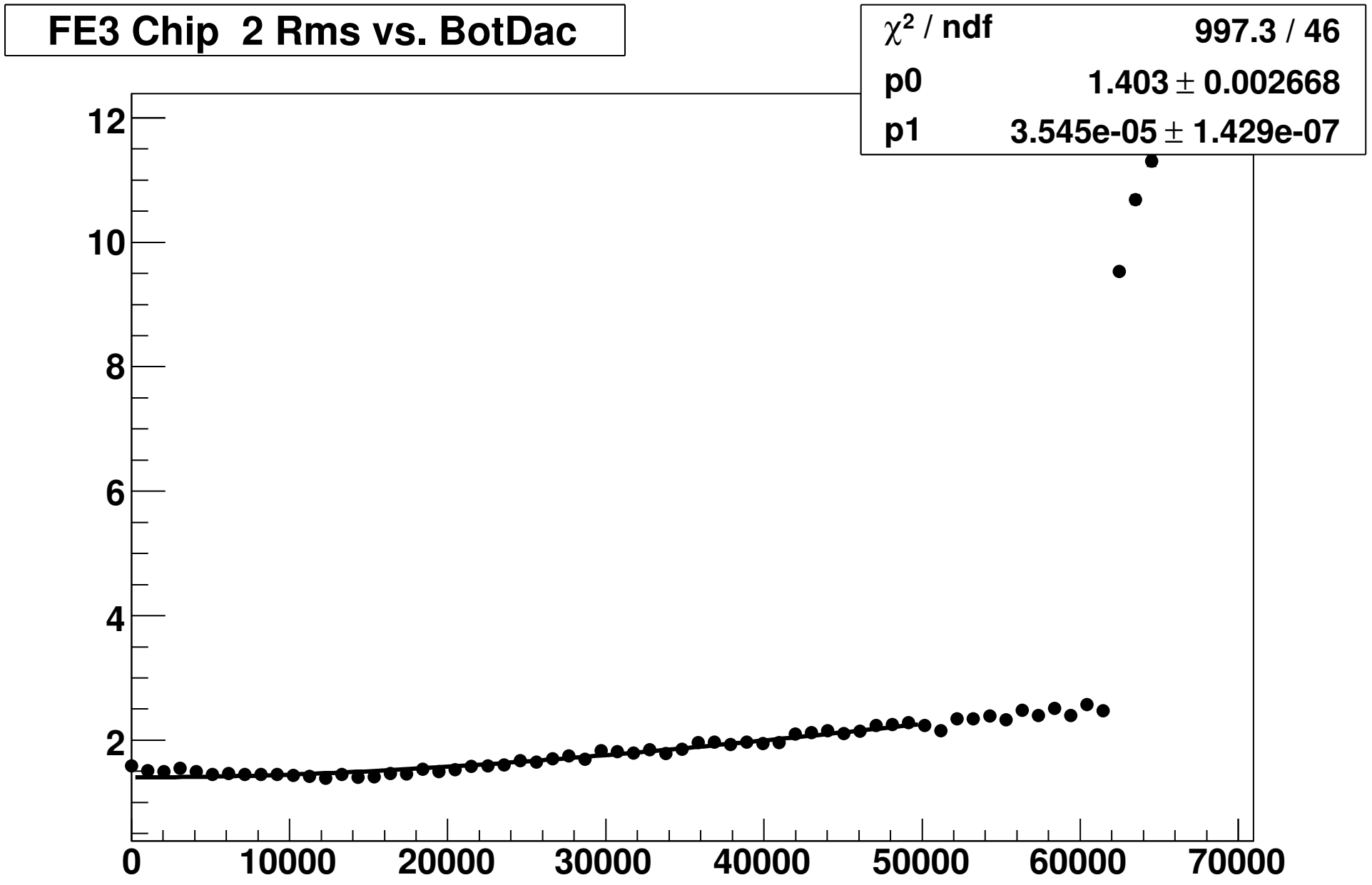
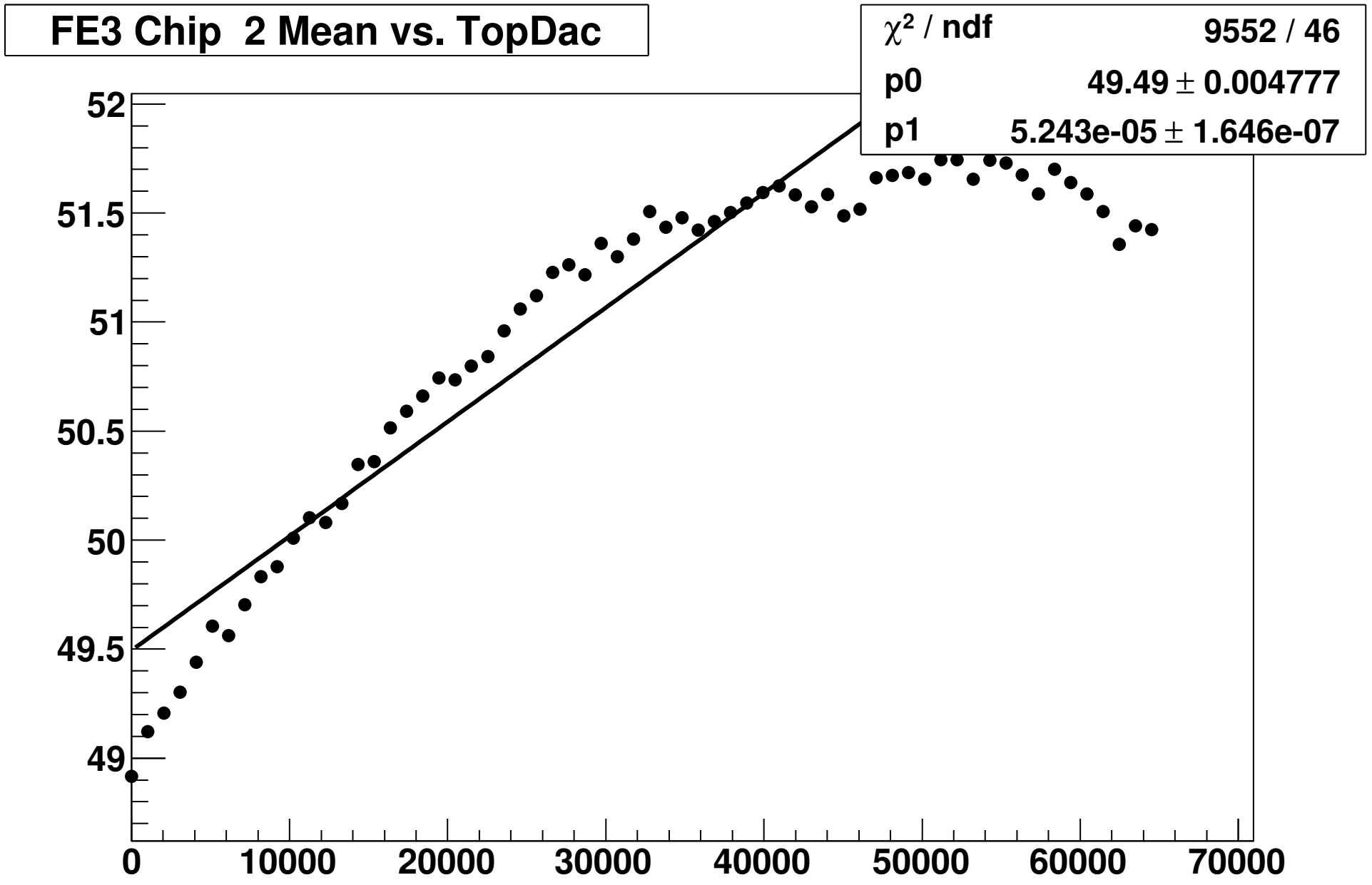
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 997.3 / 46
p0 1.403 ± 0.002668
p1 3.545e-05 ± 1.429e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 9552 / 46
p0 49.49 ± 0.004777
p1 5.243e-05 ± 1.646e-07
52
51.5
51
50.5
50
49.5
49
0
10000
20000
30000
40000
50000
60000
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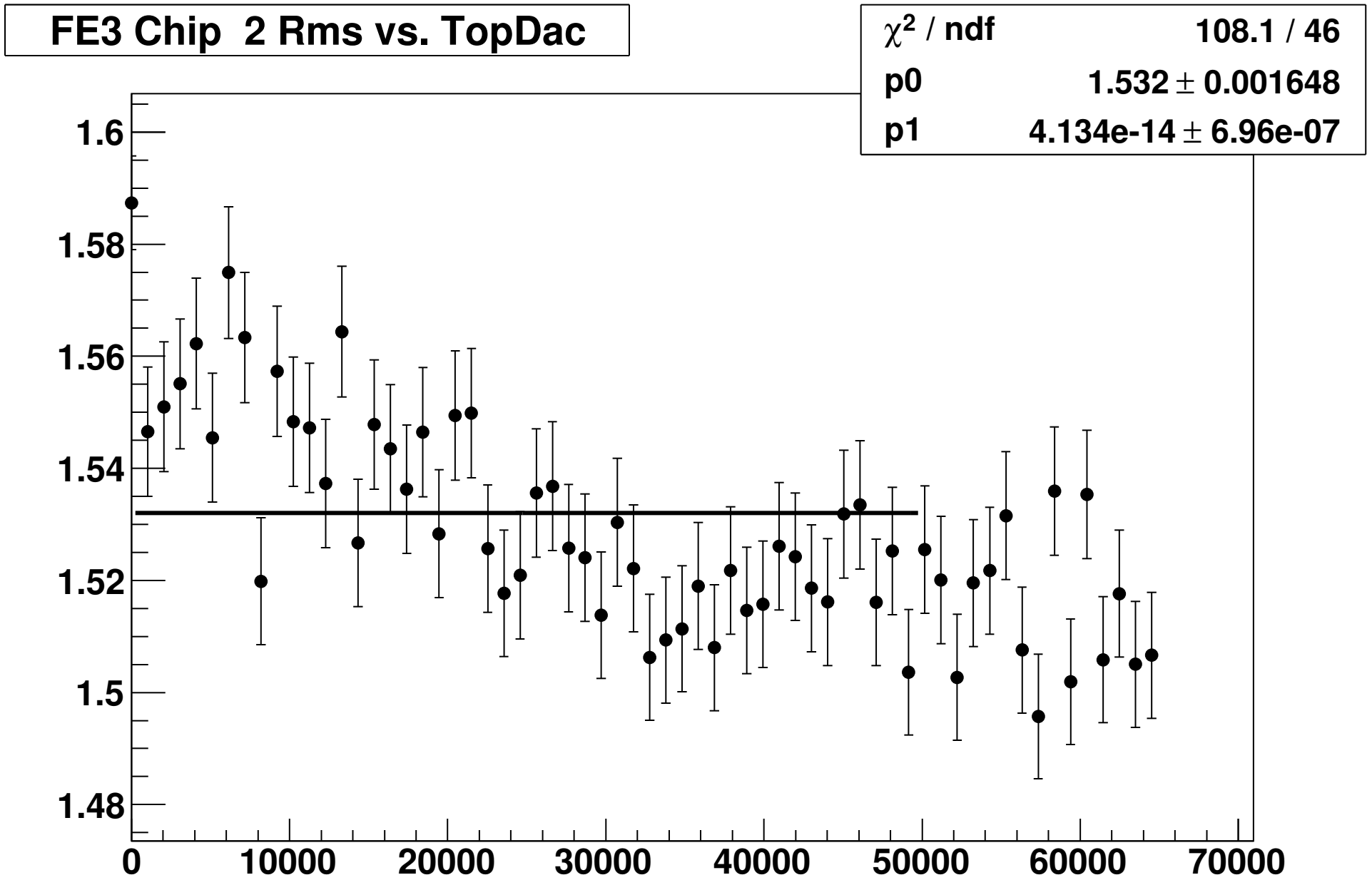
FE3 Chip 2 Rms vs. TopDac
χ² / ndf 108.1 / 46
p0 1.532 ± 0.001648
p1 4.134e-14 ± 6.96e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
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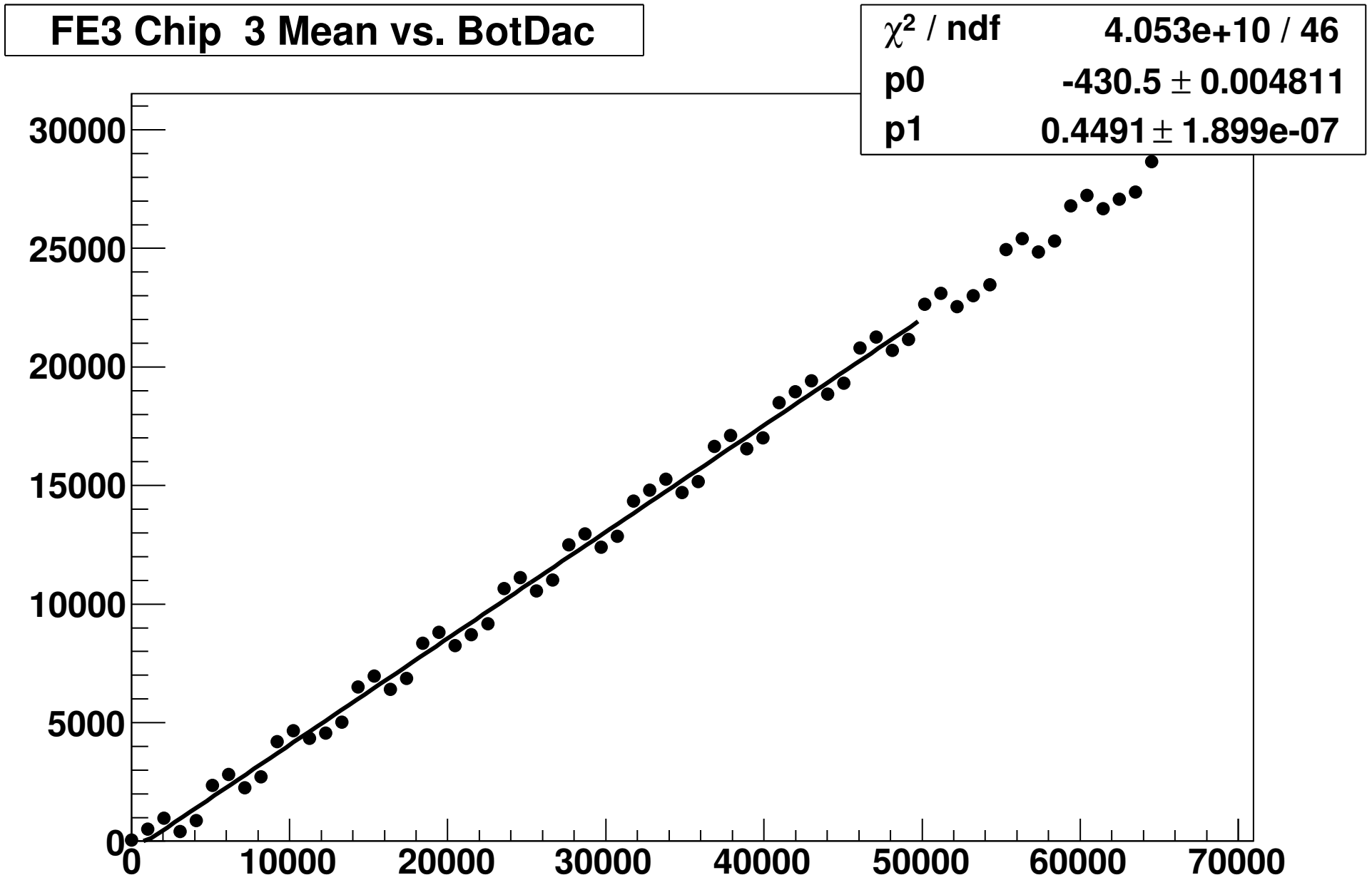
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 4.053e+10 / 46
p0 -430.5 ± 0.004811
p1 0.4491 ± 1.899e-07
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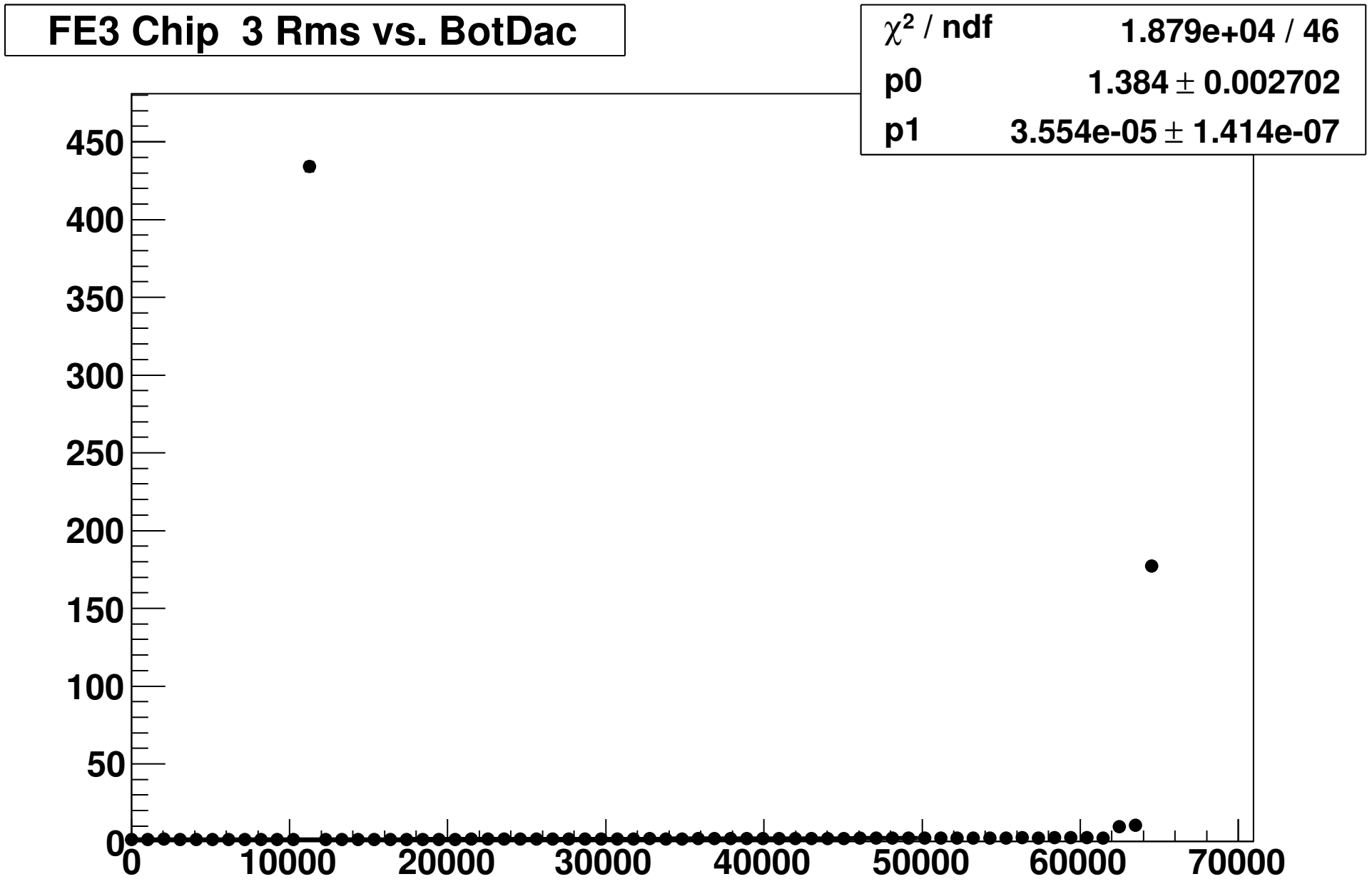
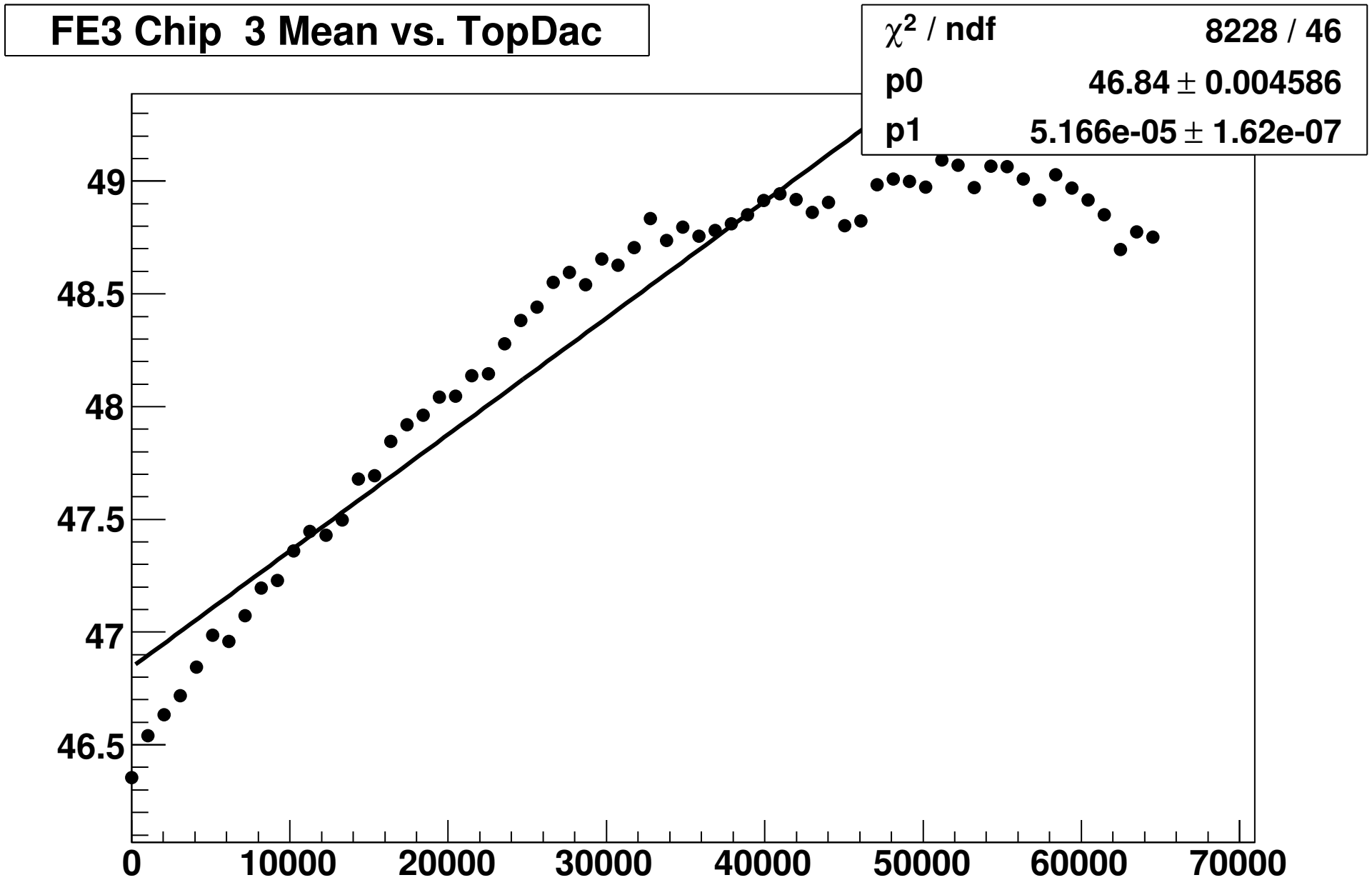
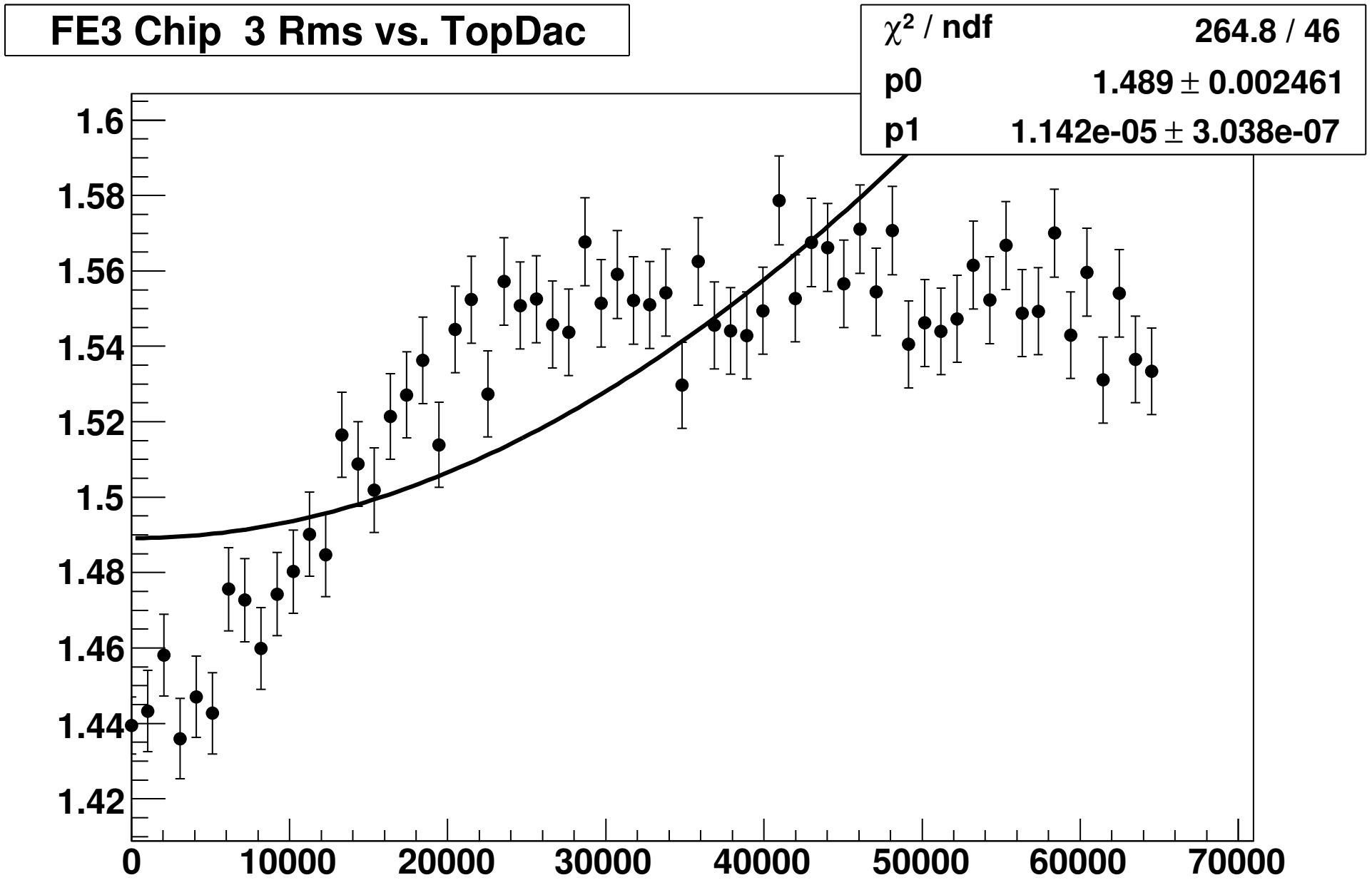
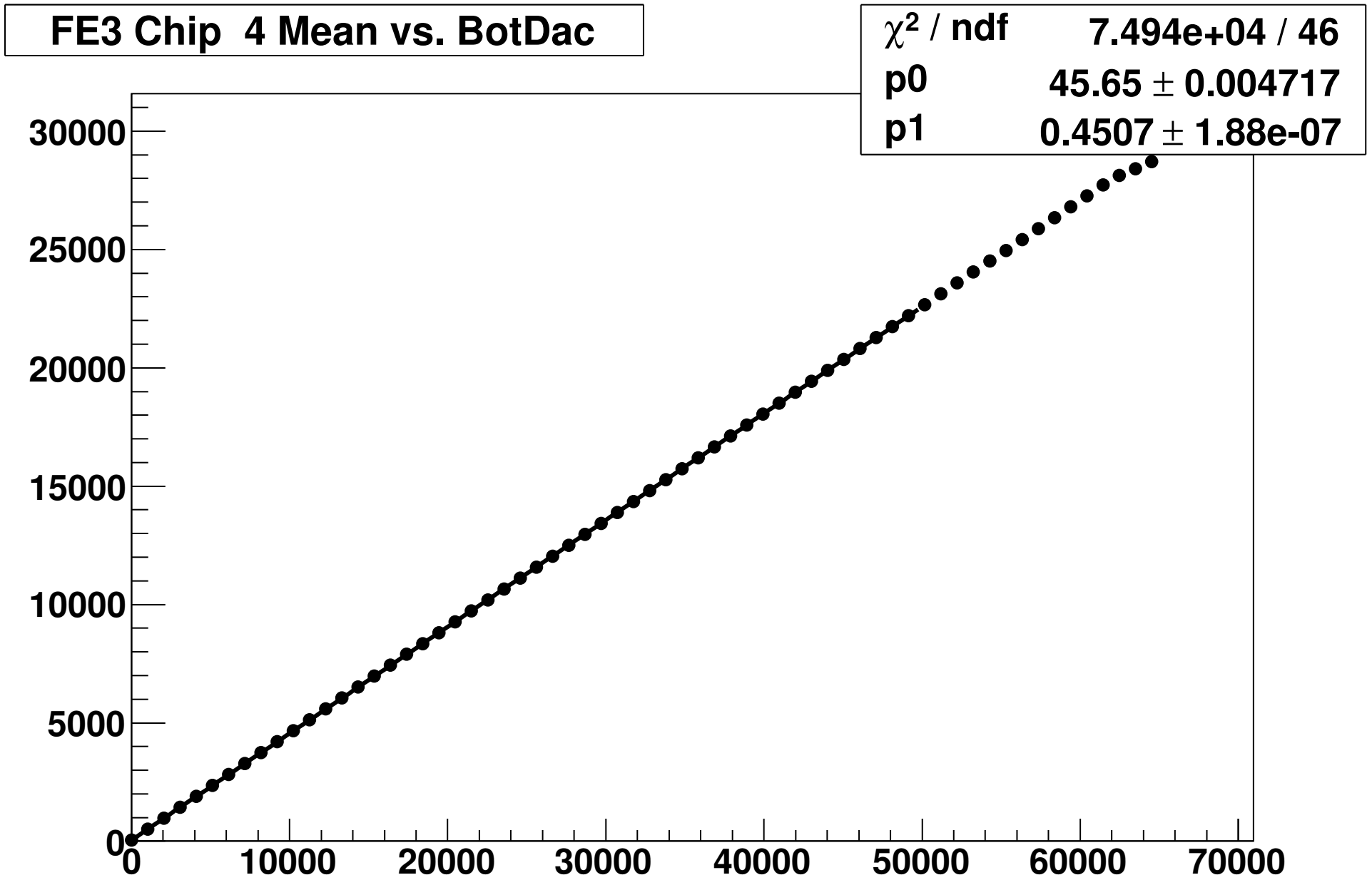
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1.879e+04 / 46
p0 1.384 ± 0.002702
p1 3.554e-05 ± 1.414e-07
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 8228 / 46
p0 46.84 ± 0.004586
p1 5.166e-05 ± 1.62e-07
49
48.5
48
47.5
47
46.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 264.8 / 46
p0 1.489 ± 0.002461
p1 1.142e-05 ± 3.038e-07
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


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 7.494e+04 / 46
p0 45.65 ± 0.004717
p1 0.4507 ± 1.88e-07
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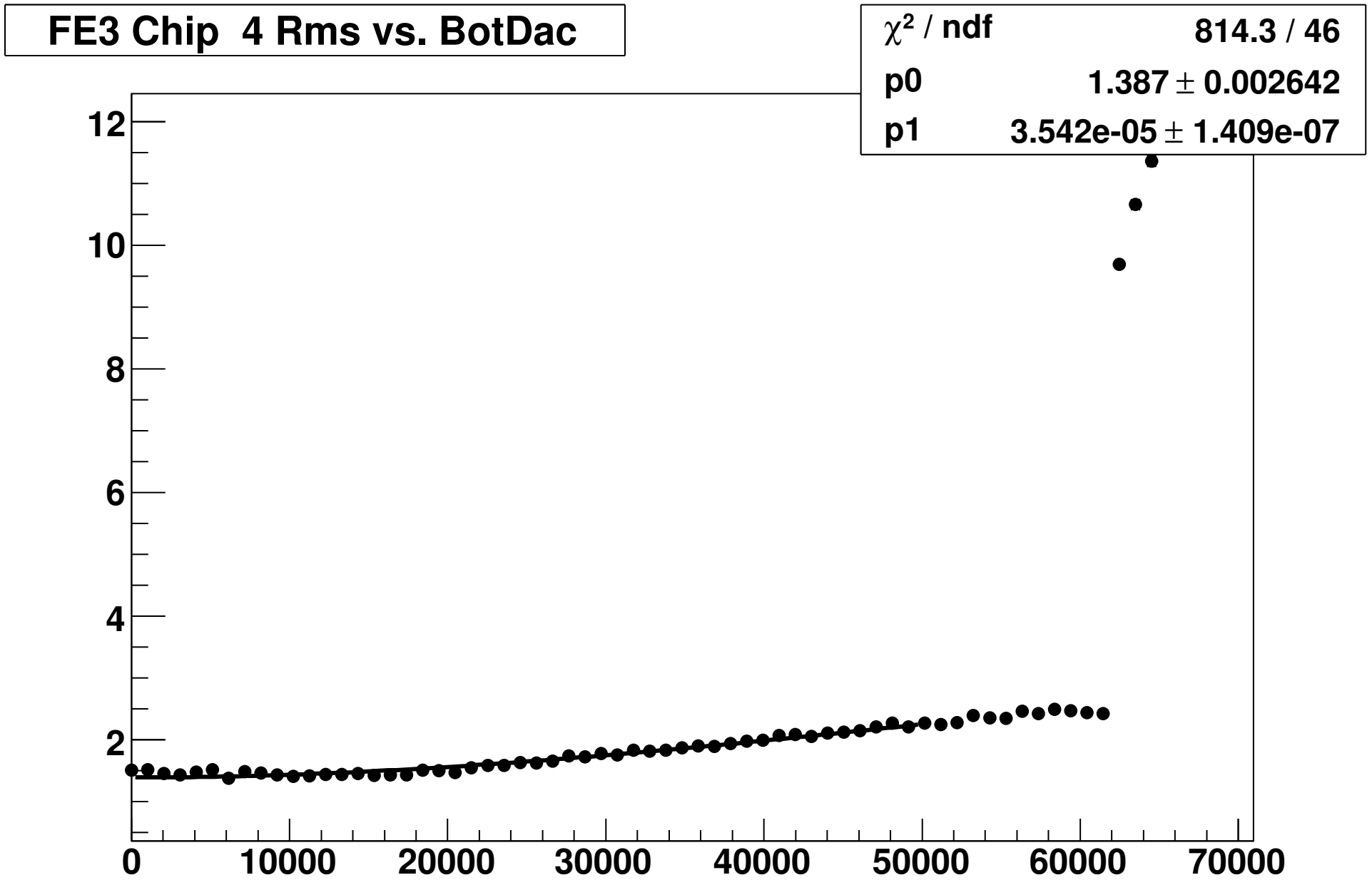
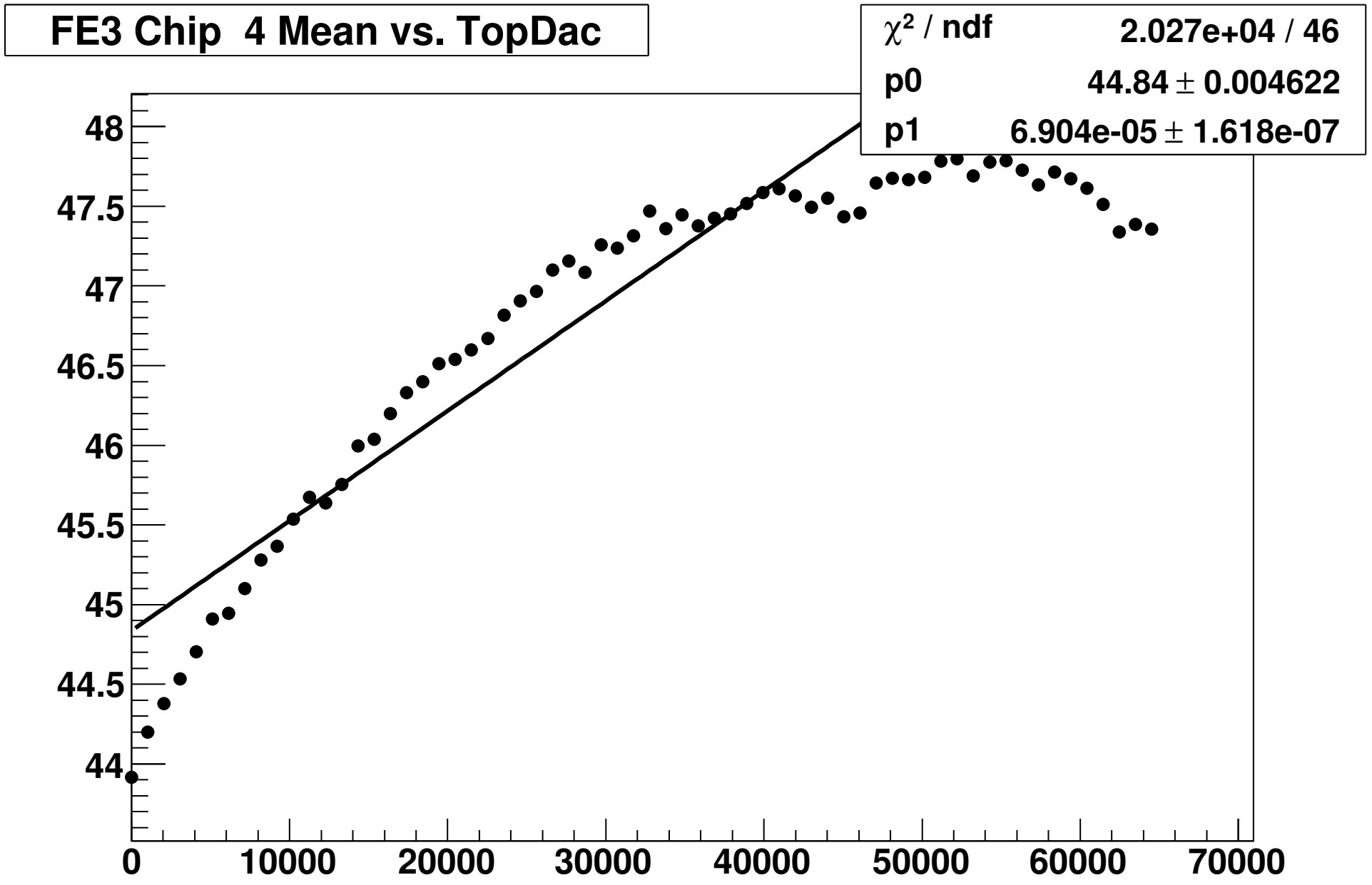
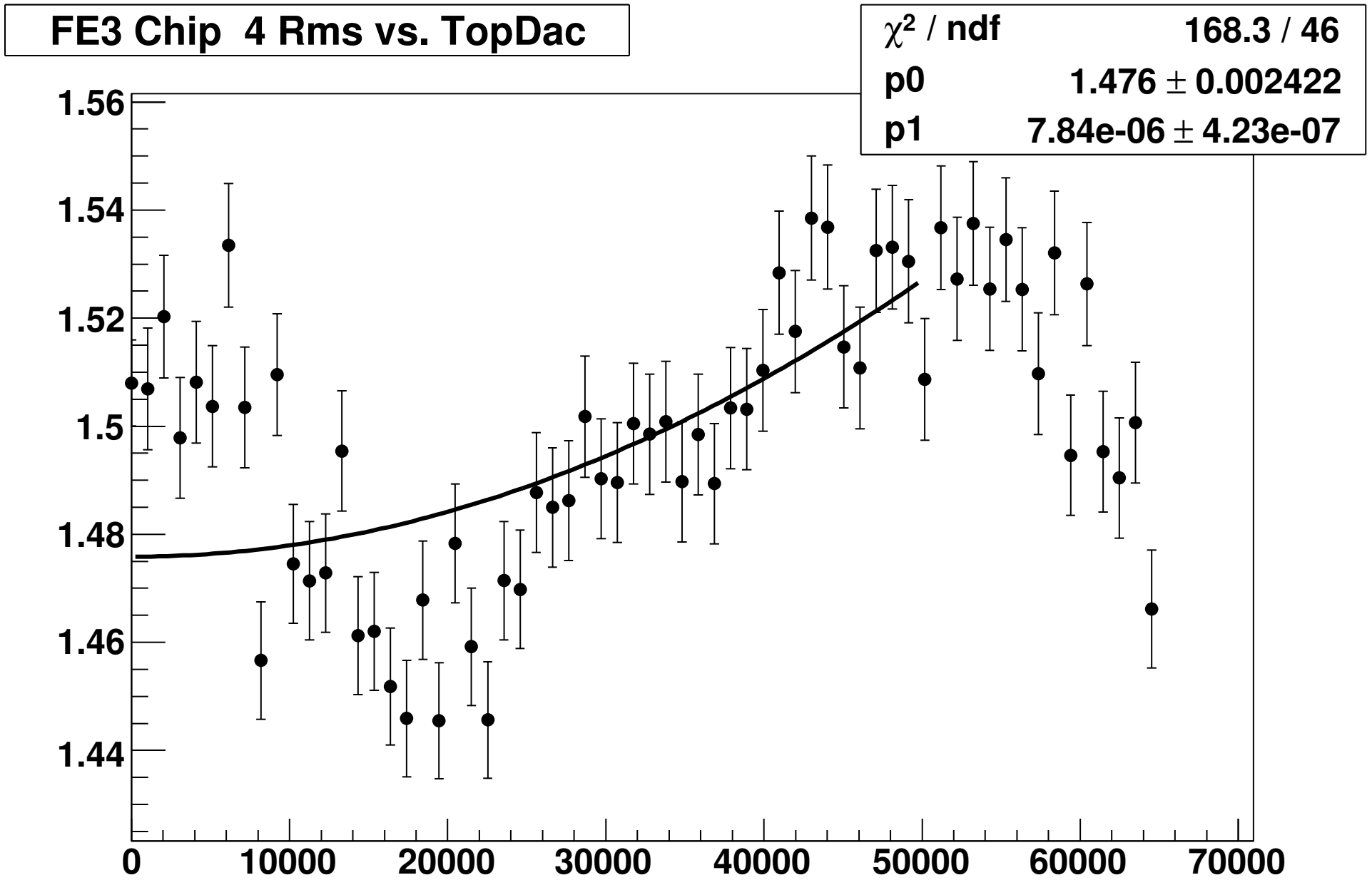
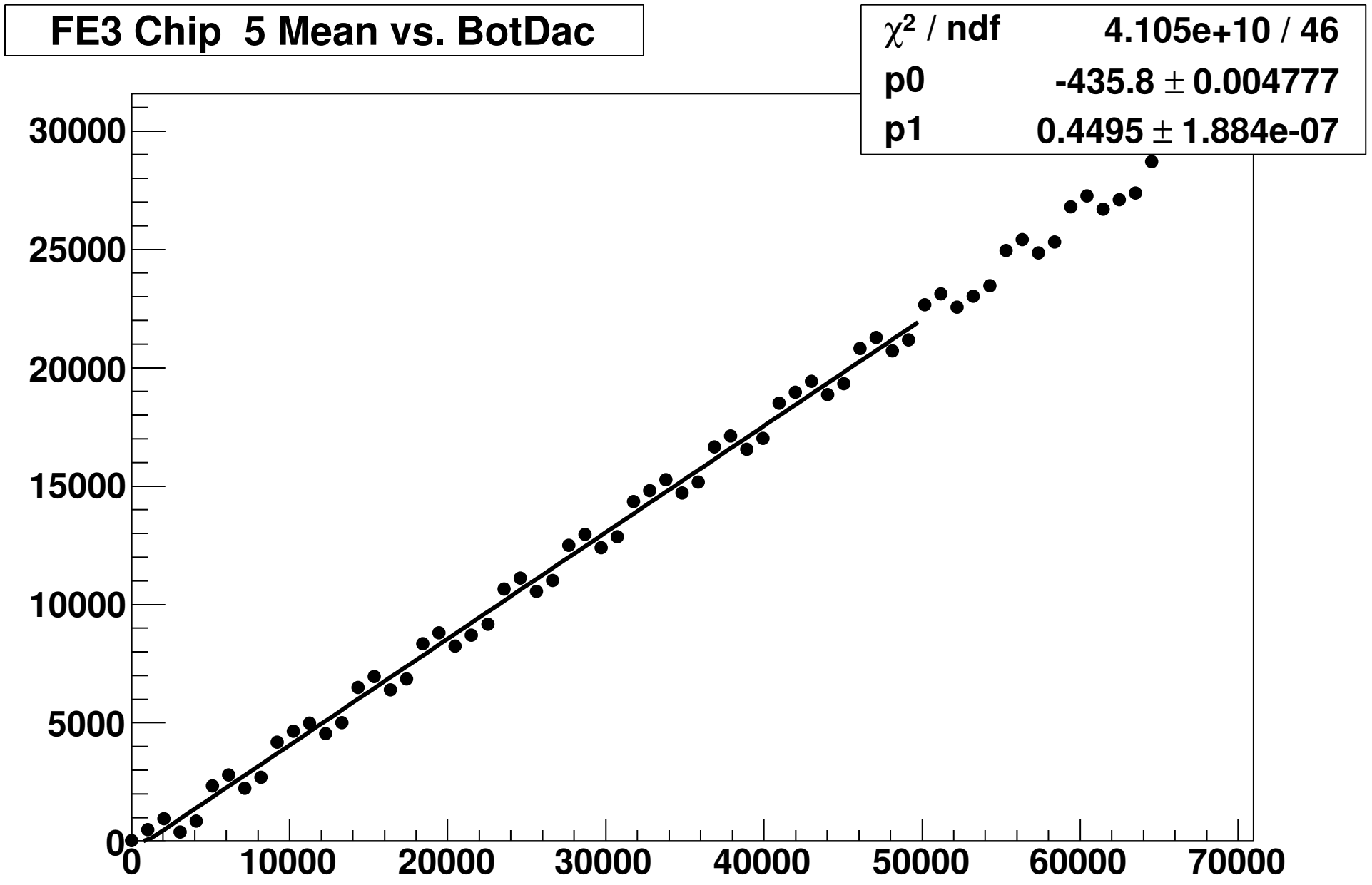
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 814.3 / 46
p0 1.387 ± 0.002642
p1 3.542e-05 ± 1.409e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 2.027e+04 / 46
p0 44.84 ± 0.004622
p1 6.904e-05 ± 1.618e-07
48
47.5
47
46.5
46
45.5
45
44.5
44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 168.3 / 46
p0 1.476 ± 0.002422
p1 7.84e-06 ± 4.23e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.105e+10 / 46
p0 -435.8 ± 0.004777
p1 0.4495 ± 1.884e-07
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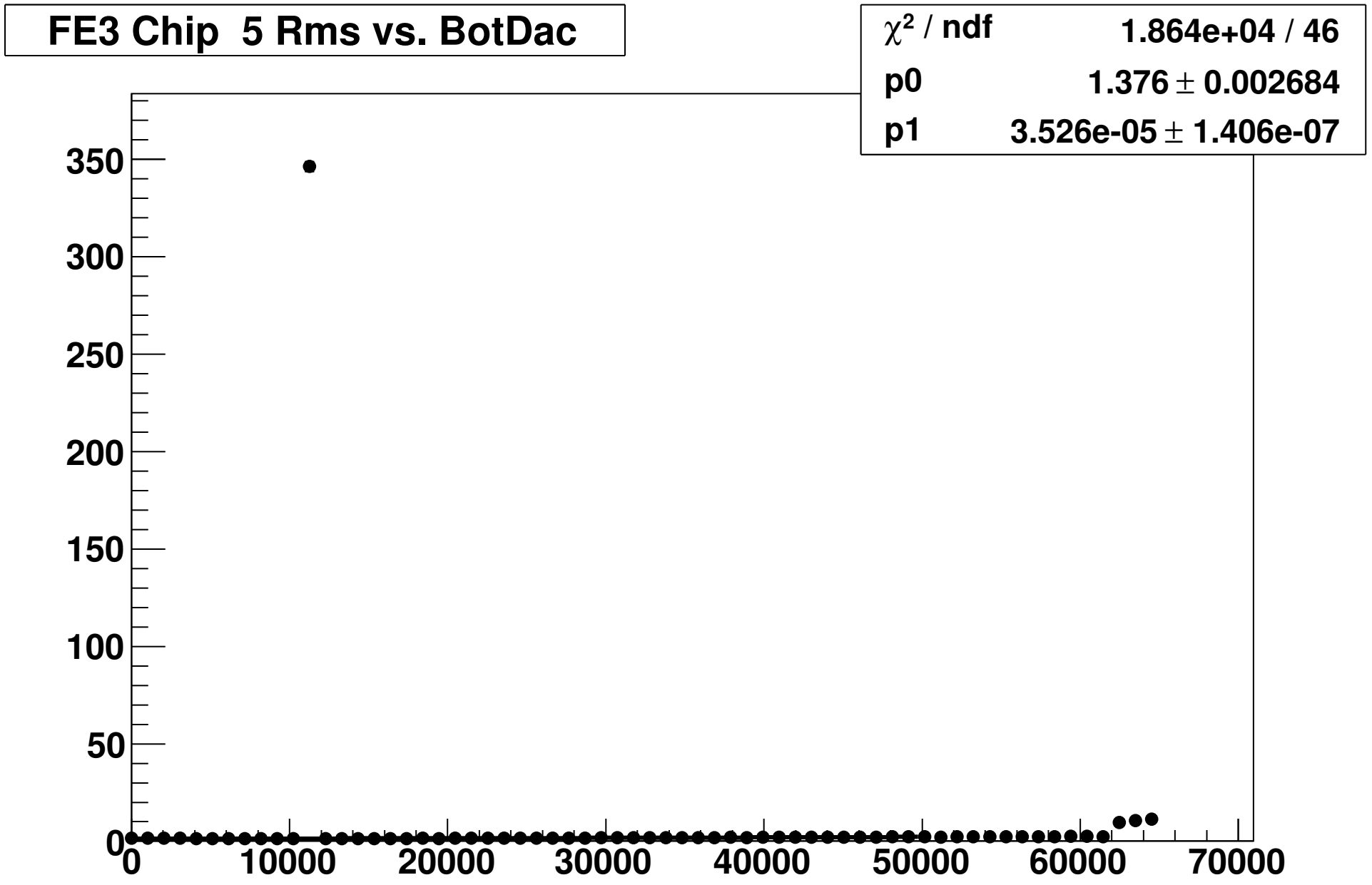
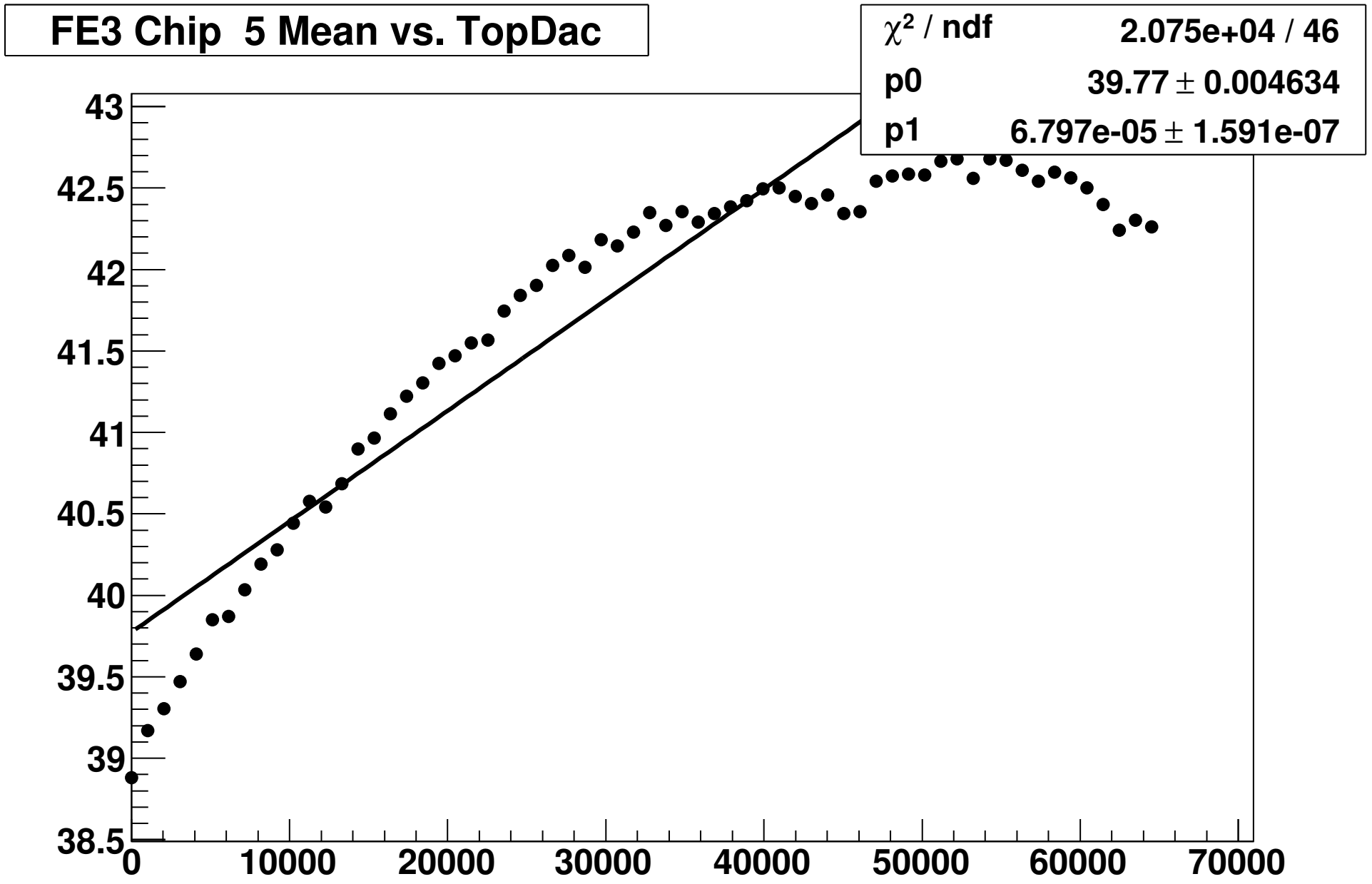
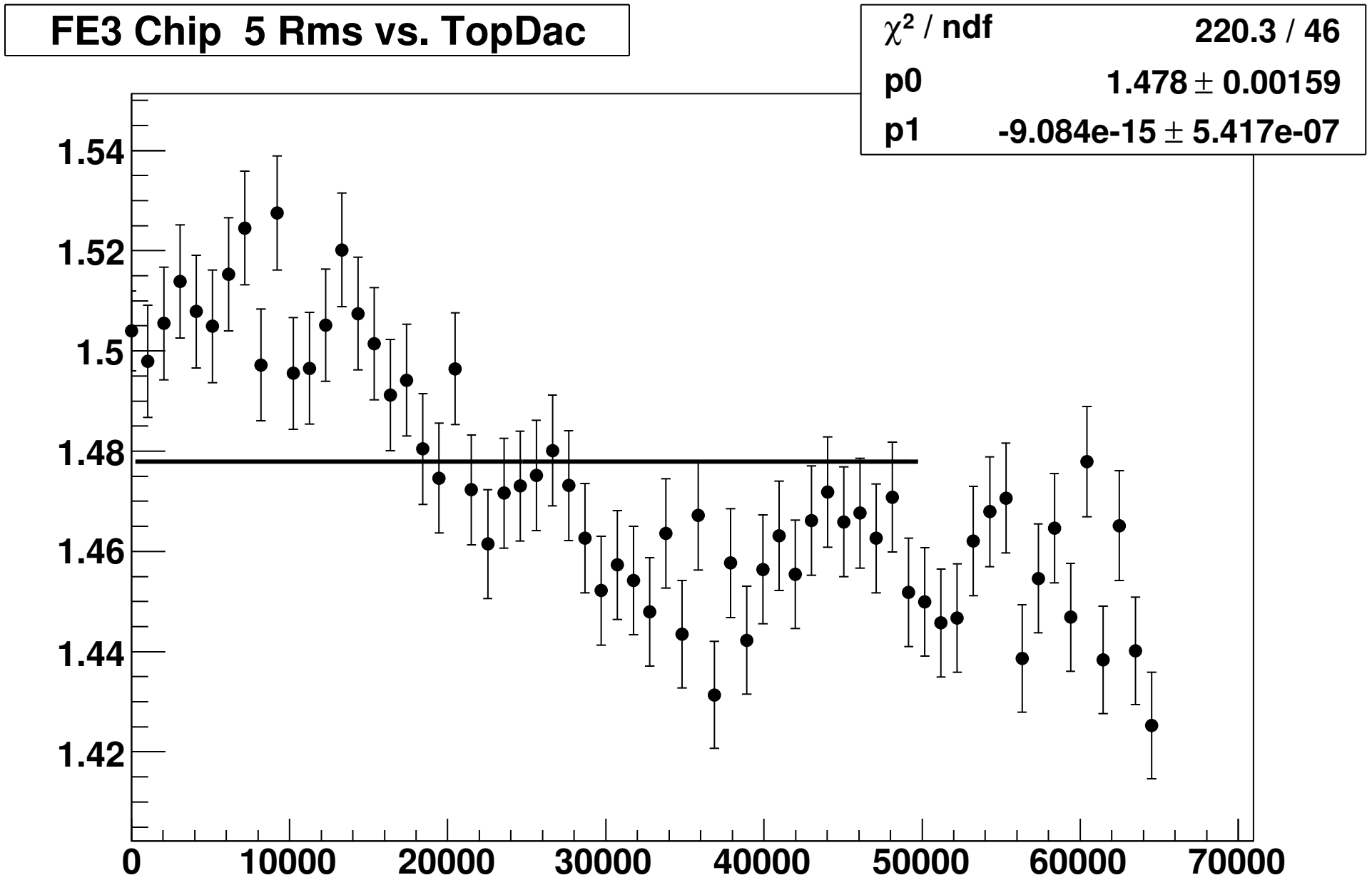
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1.864e+04 / 46
p0 1.376 ± 0.002684
p1 3.526e-05 ± 1.406e-07
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 2.075e+04 / 46
p0 39.77 ± 0.004634
p1 6.797e-05 ± 1.591e-07
43
42.5
42
41.5
41
40.5
40
39.5
39
38.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 220.3 / 46
p0 1.478 ± 0.00159
p1 -9.084e-15 ± 5.417e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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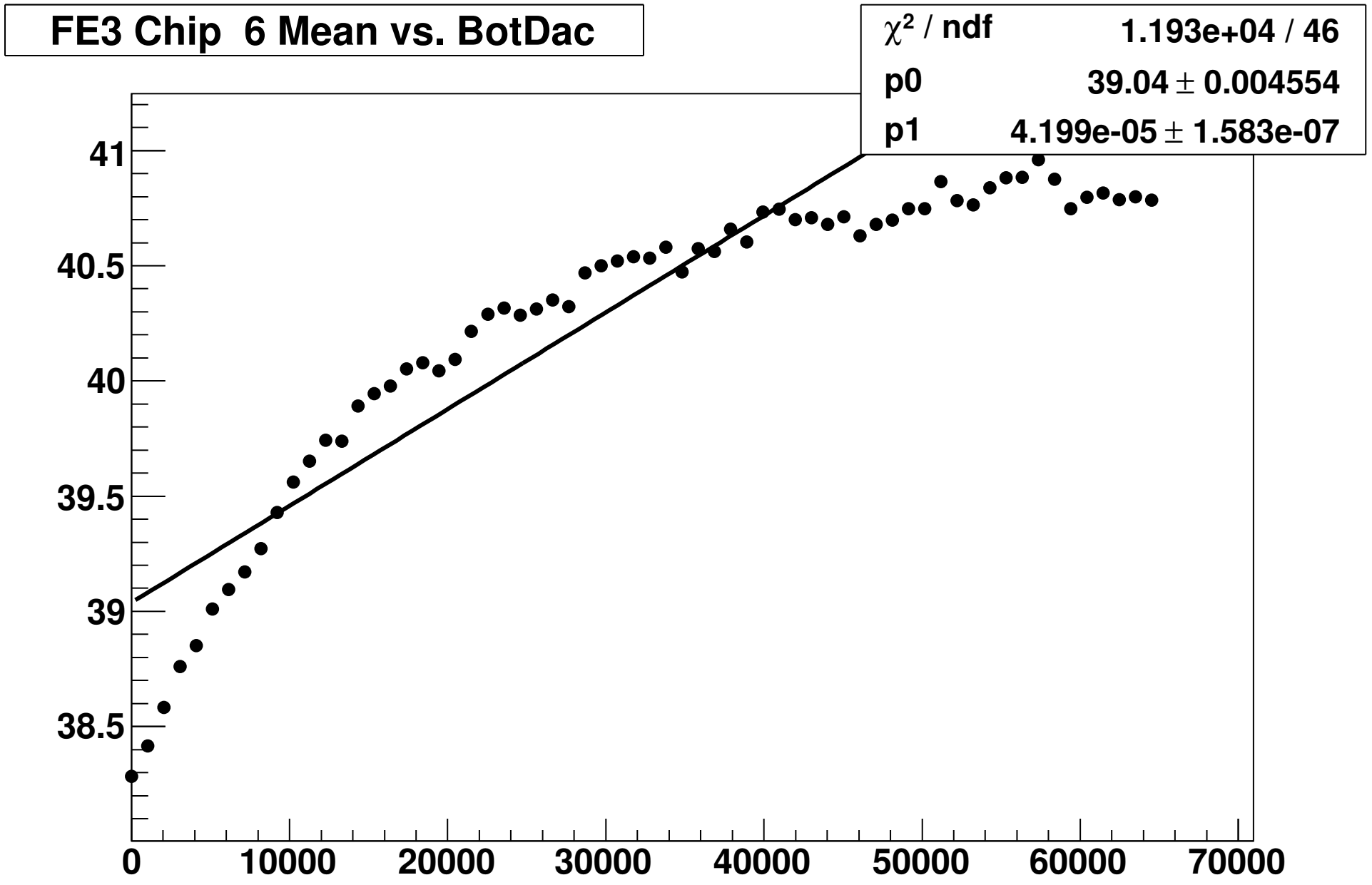
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 1.193e+04 / 46
p0 39.04 ± 0.004554
p1 4.199e-05 ± 1.583e-07
41
40.5
40
39.5
39
38.5
0
10000
20000
30000
40000
50000
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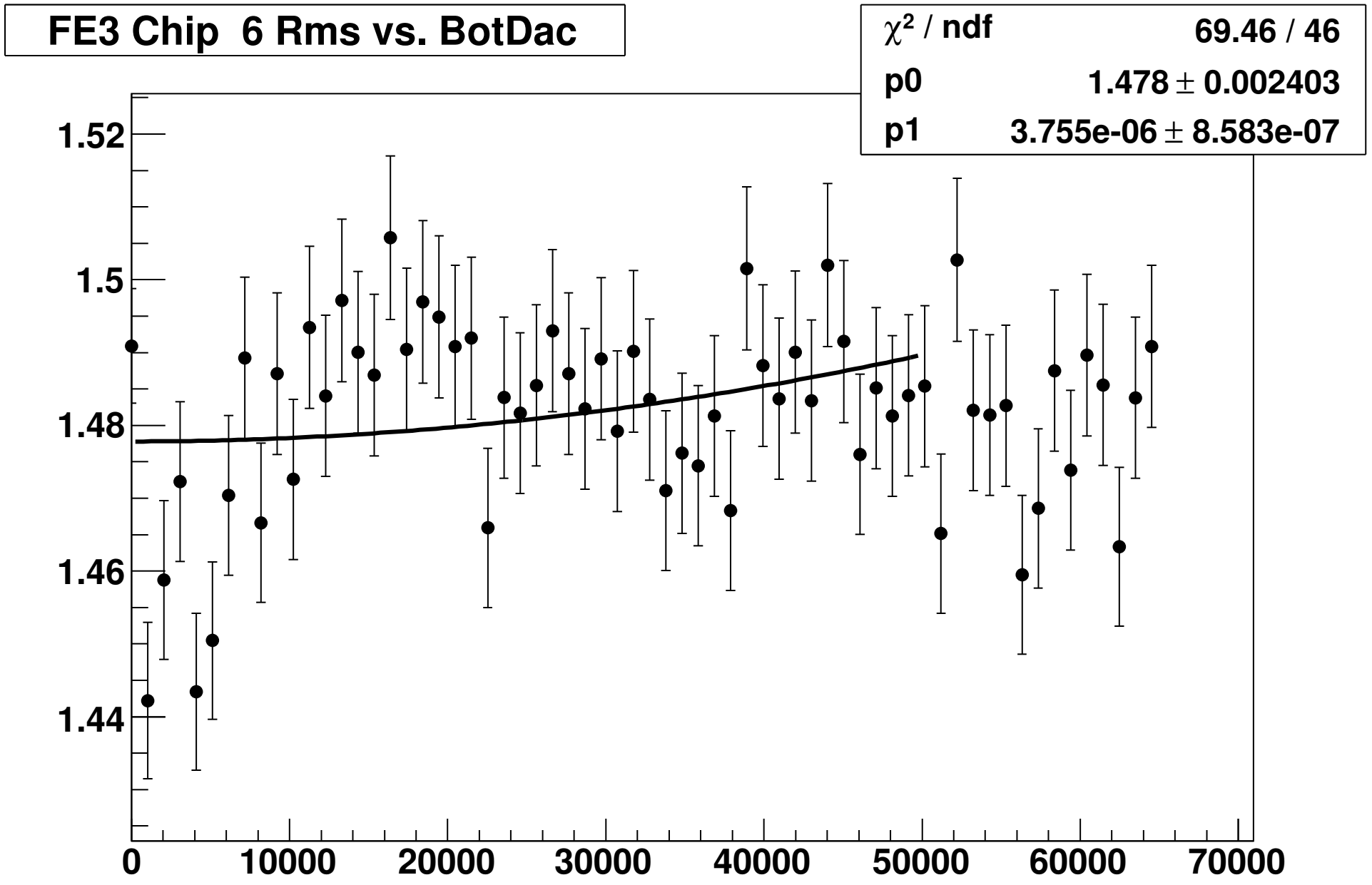
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 69.46 / 46
p0 1.478 ± 0.002403
p1 3.755e-06 ± 8.583e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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40000
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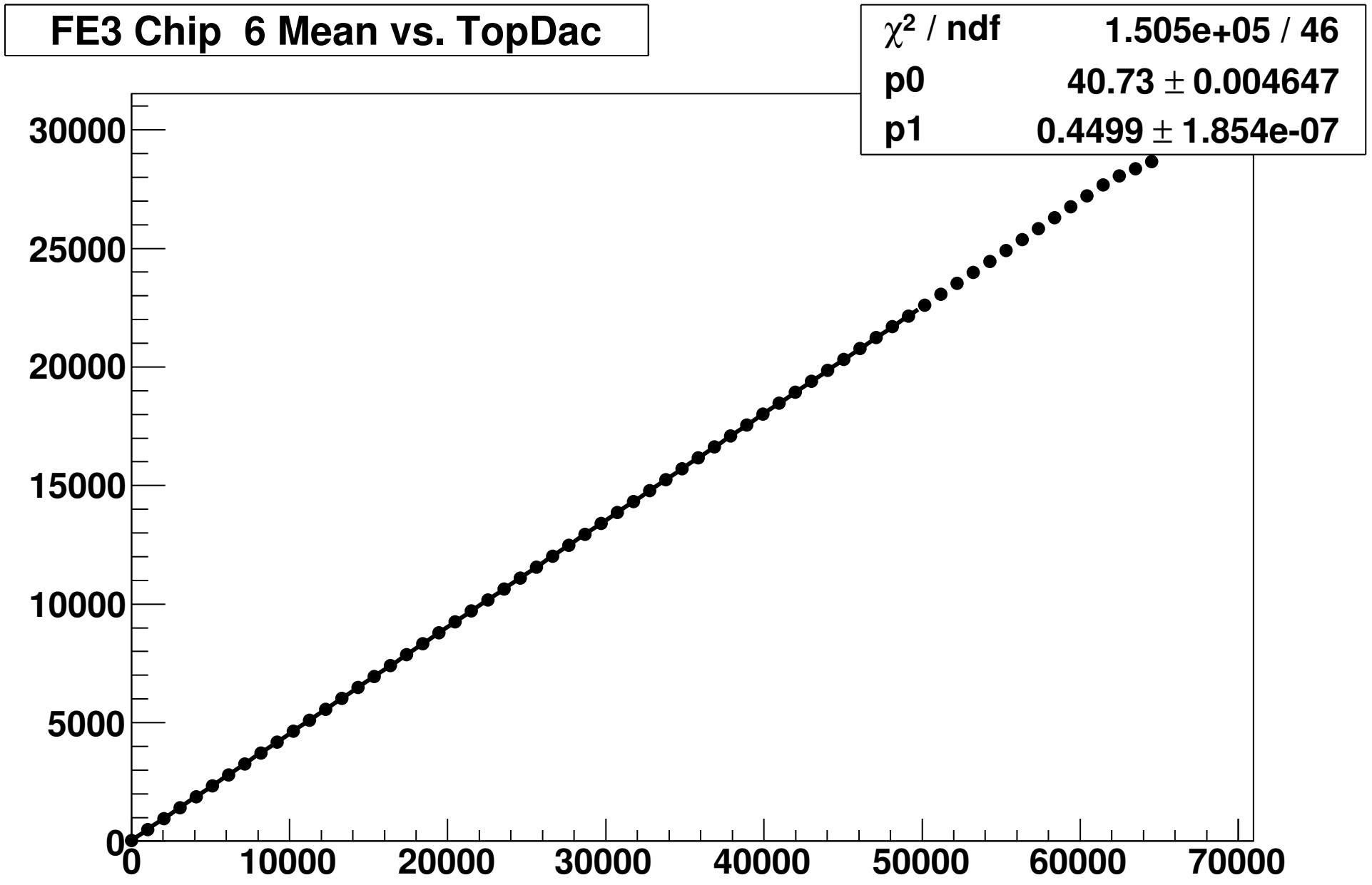
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.505e+05 / 46
p0 40.73 ± 0.004647
p1 0.4499 ± 1.854e-07
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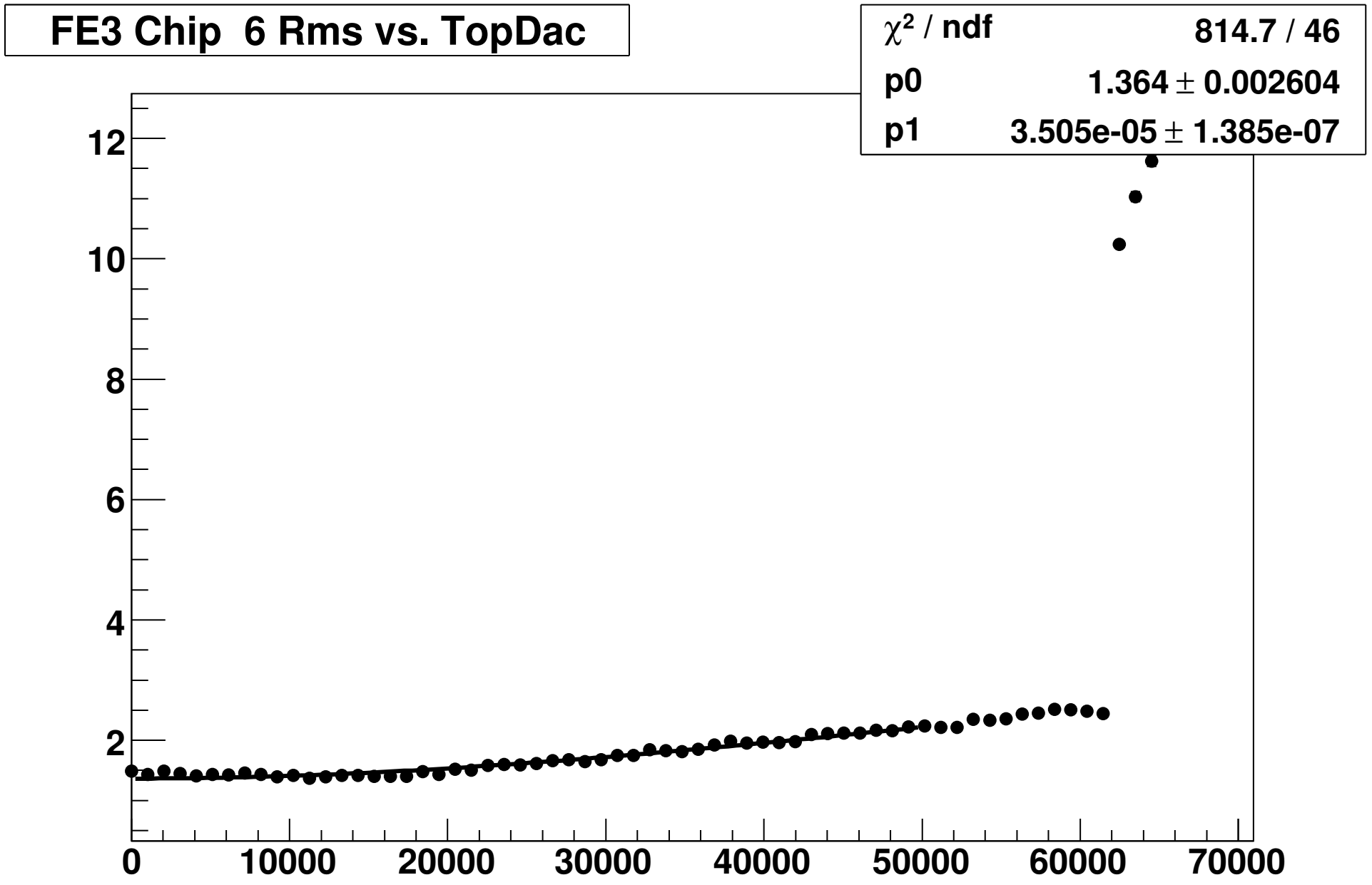
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 814.7 / 46
p0 1.364 ± 0.002604
p1 3.505e-05 ± 1.385e-07
12
10
8
6
4
2
0
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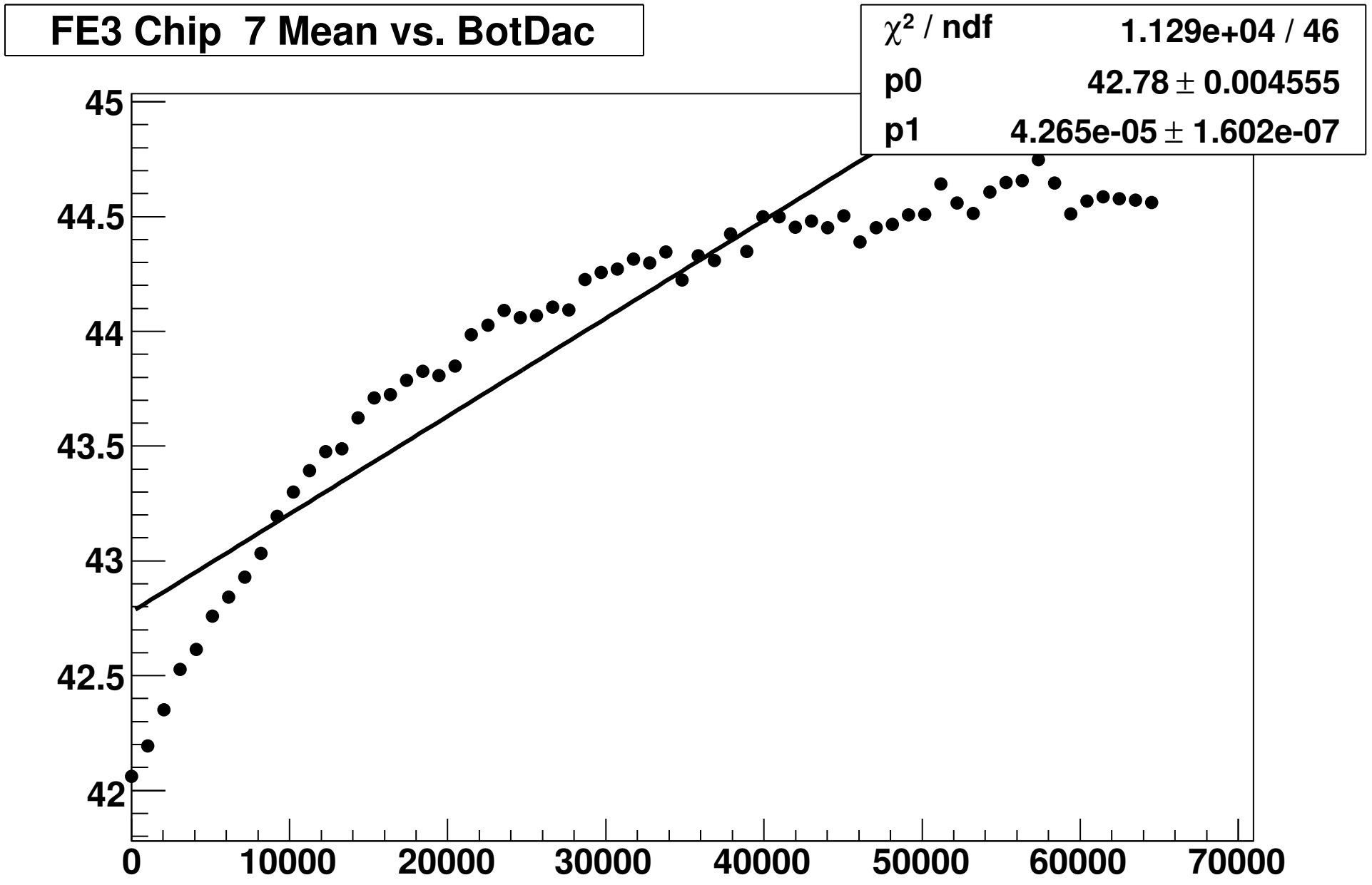
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1.129e+04 / 46
p0 42.78 ± 0.004555
p1 4.265e-05 ± 1.602e-07
45
44.5
44
43.5
43
42.5
42
0
10000
20000
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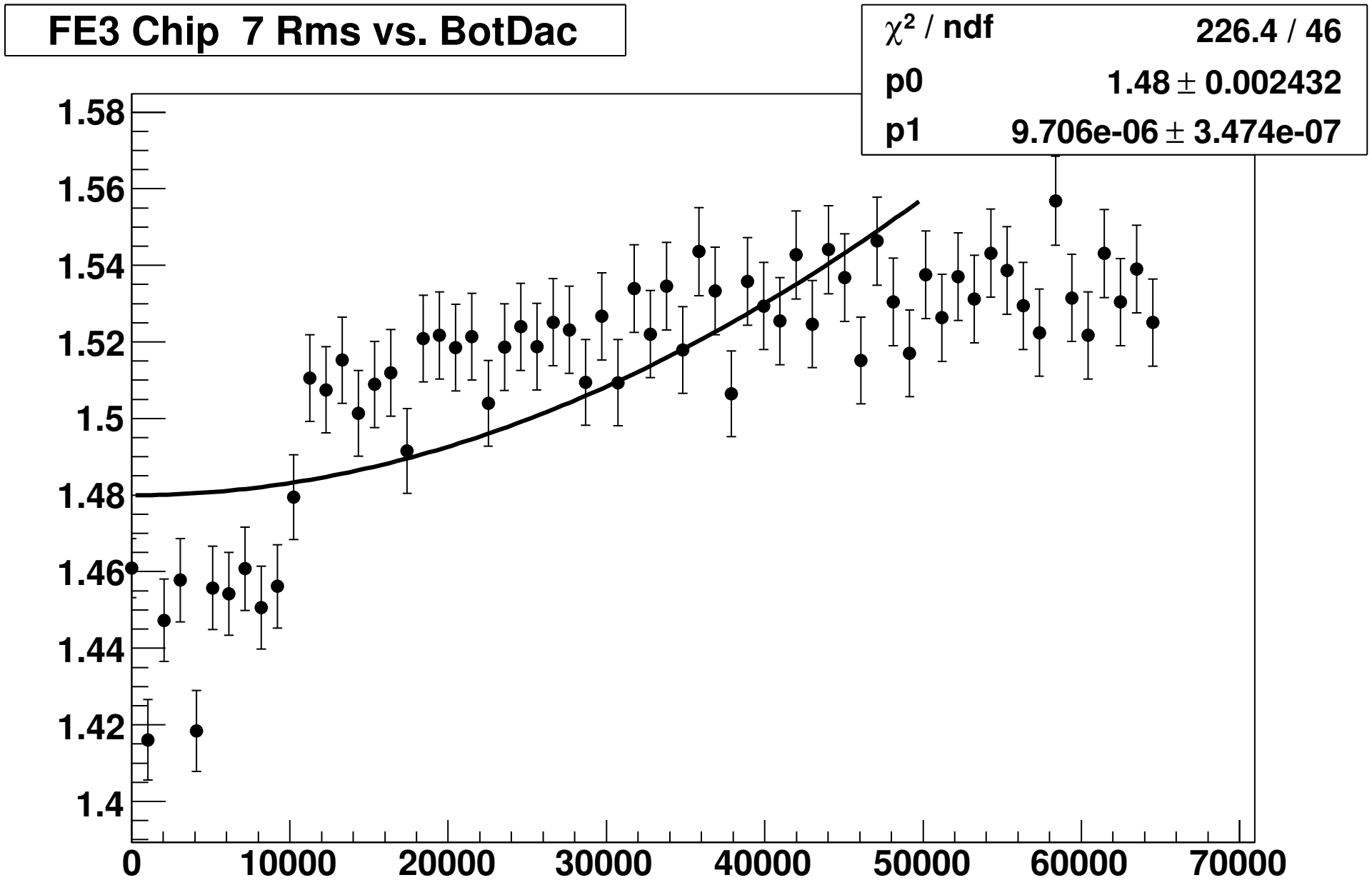
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 226.4 / 46
p0 1.48 ± 0.002432
p1 9.706e-06 ± 3.474e-07
1.58
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
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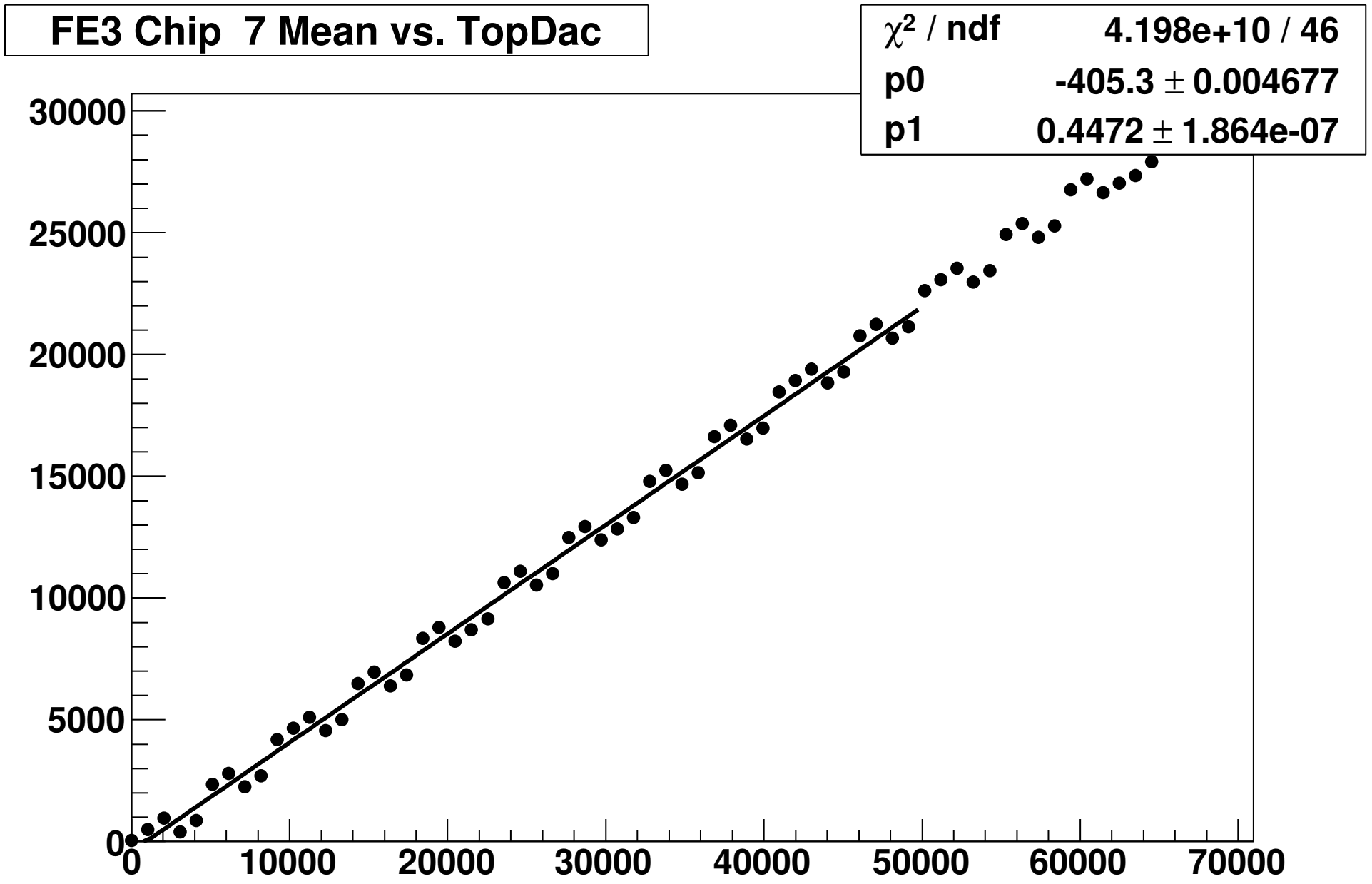
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 4.198e+10 / 46
p0 -405.3 ± 0.004677
p1 0.4472 ± 1.864e-07
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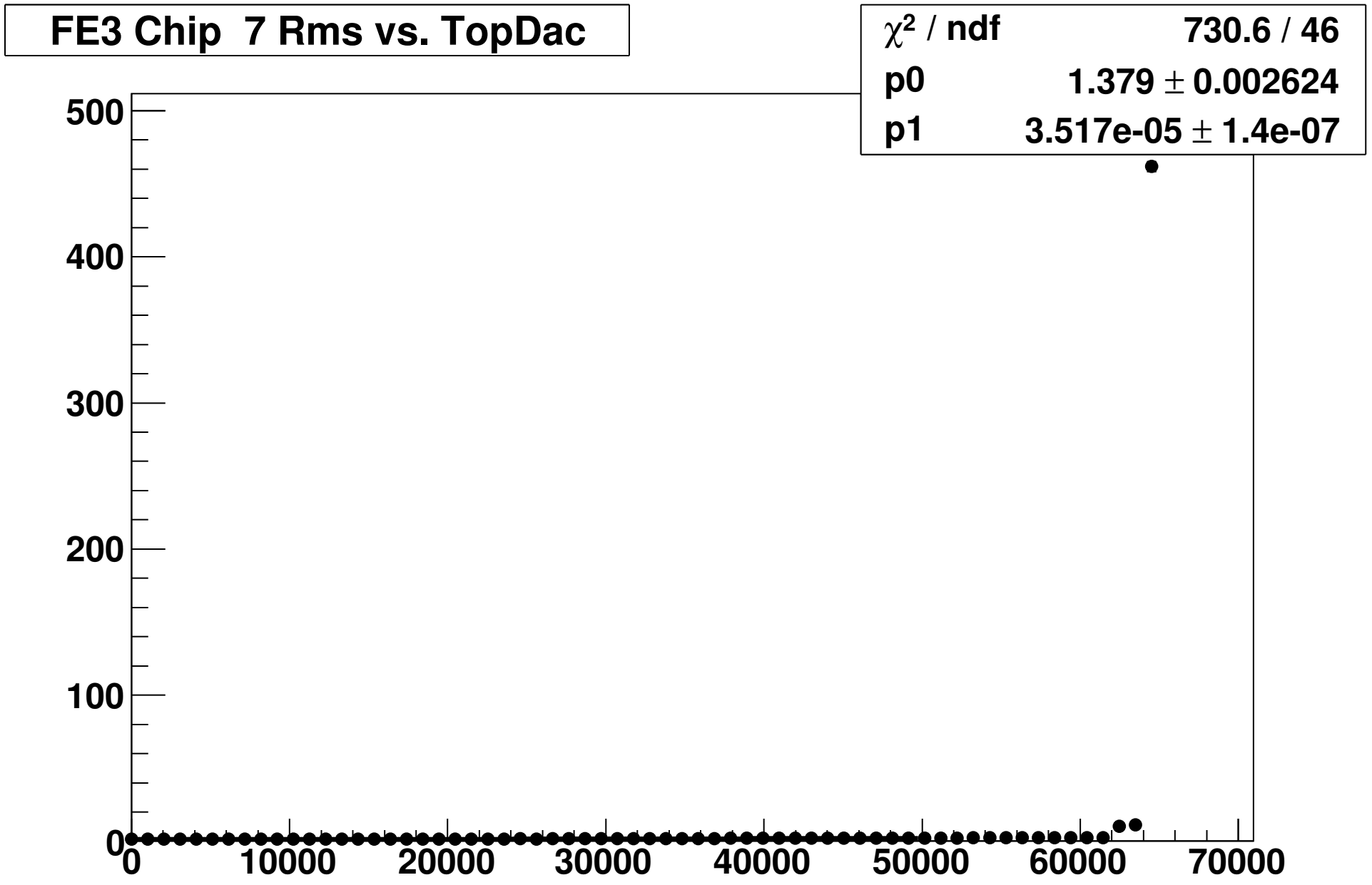
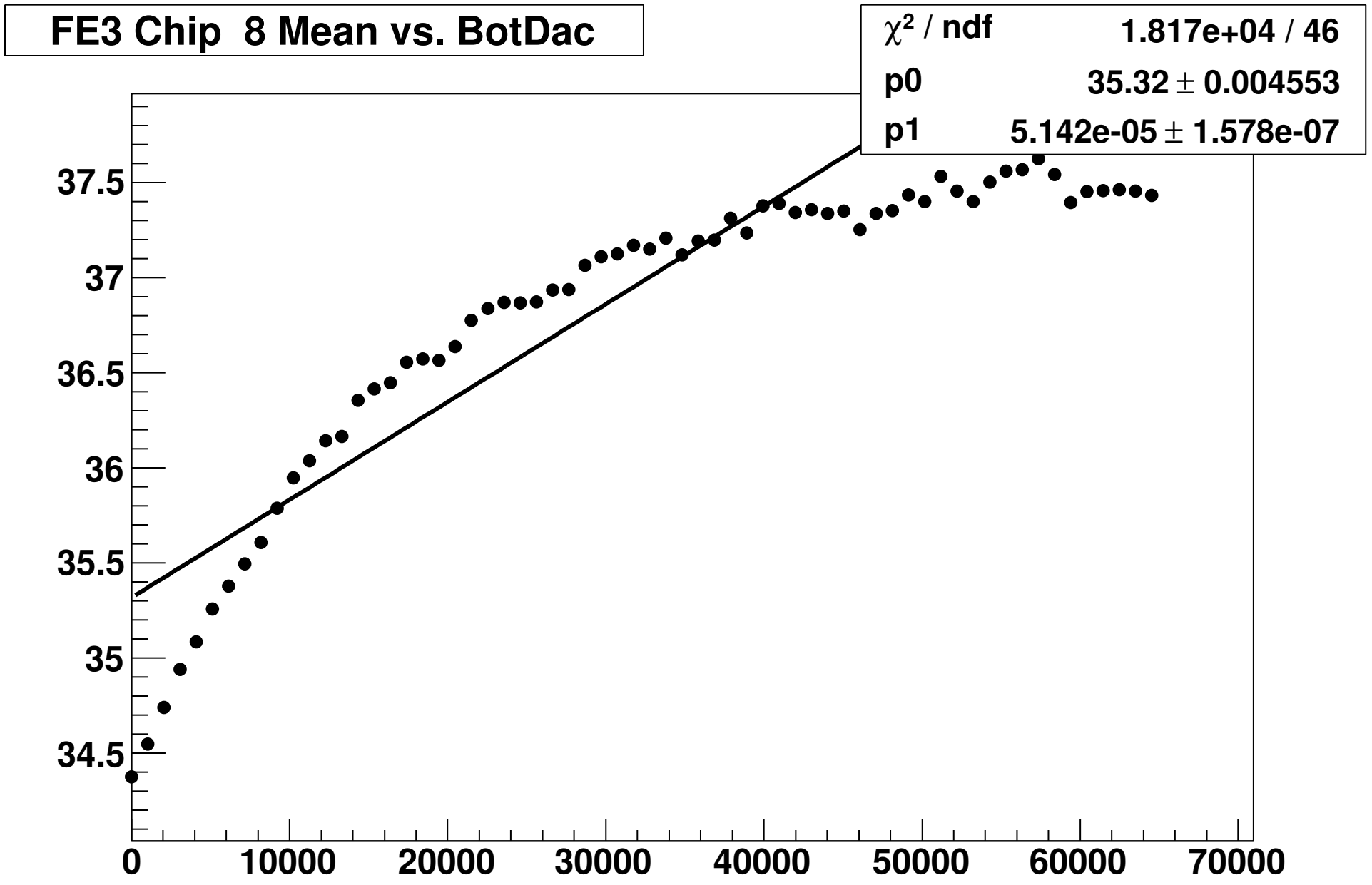
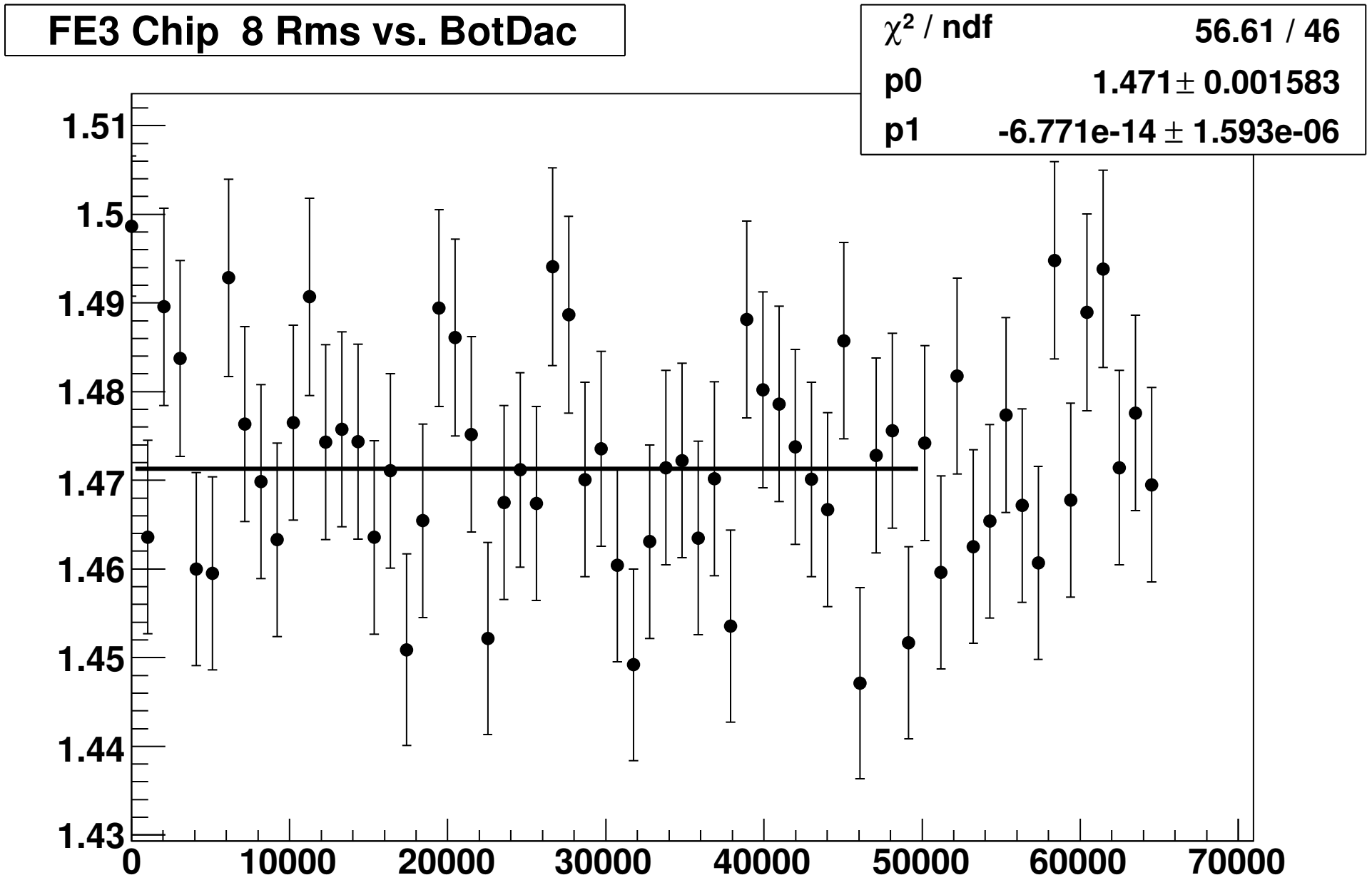
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 730.6 / 46
p0 1.379 ± 0.002624
p1 3.517e-05 ± 1.4e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 1.817e+04 / 46
p0 35.32 ± 0.004553
p1 5.142e-05 ± 1.578e-07
37.5
37
36.5
36
35.5
35
34.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 56.61 / 46
p0 1.471 ± 0.001583
p1 -6.771e-14 ± 1.593e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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50000
60000
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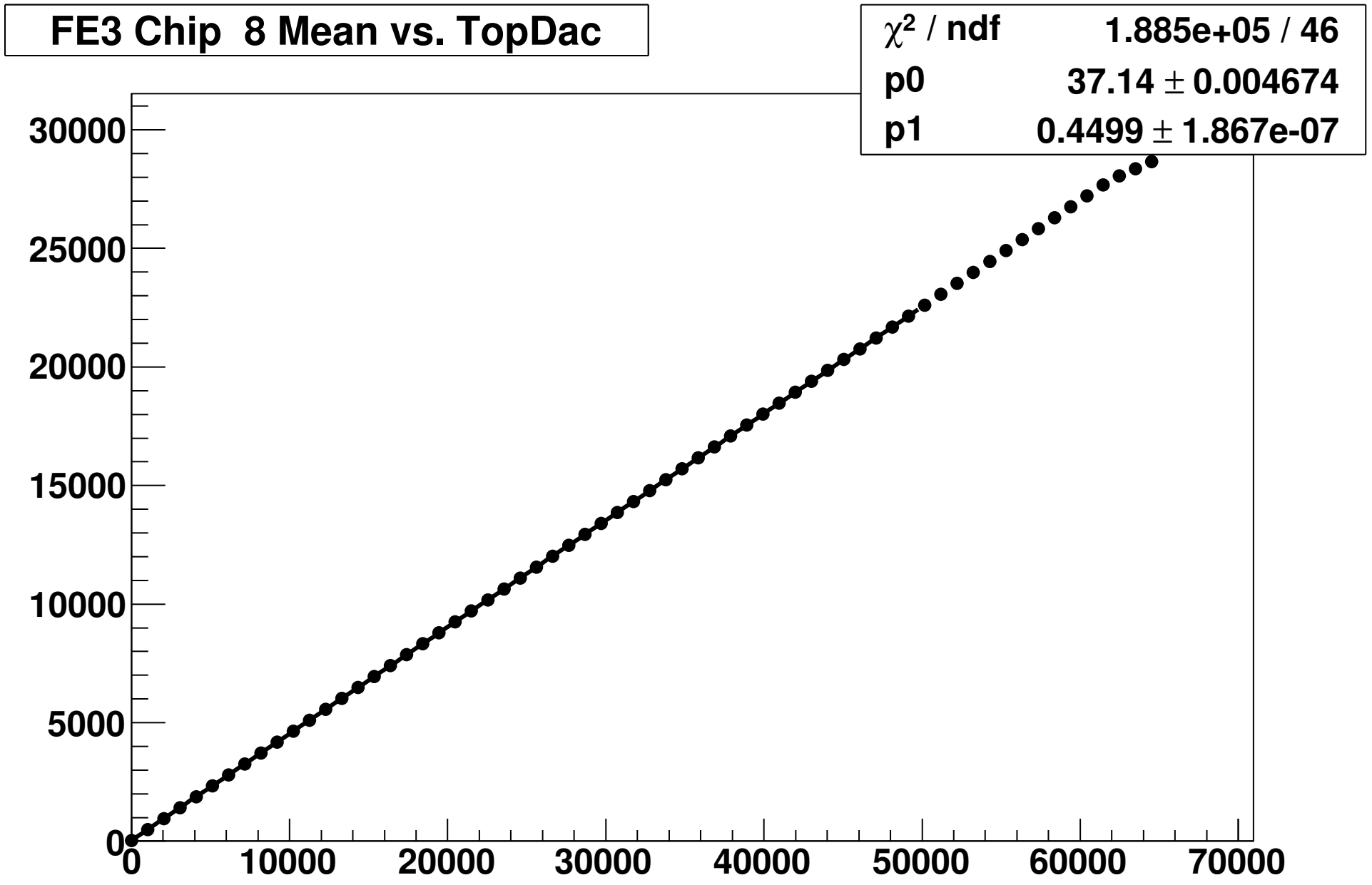
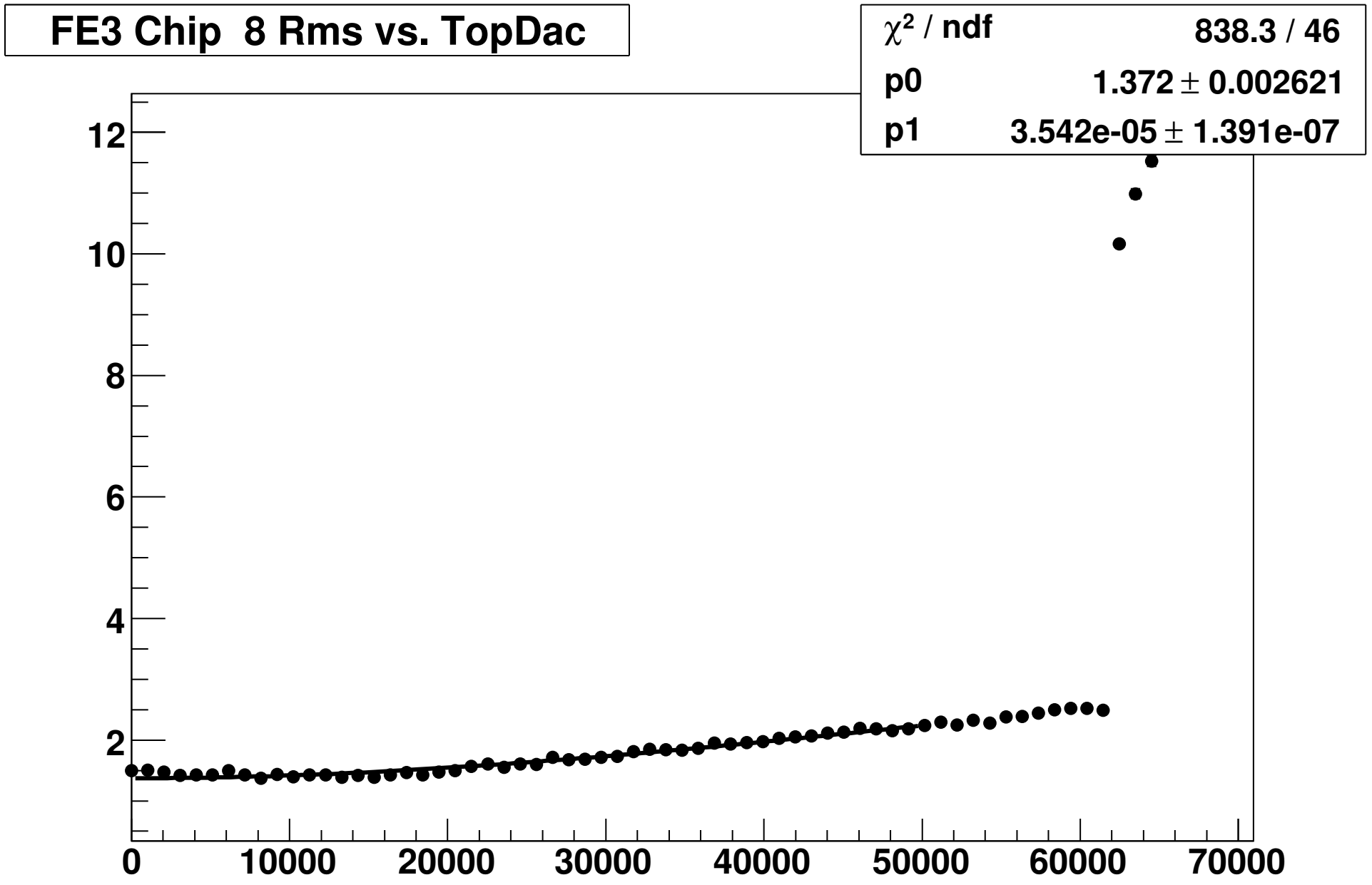
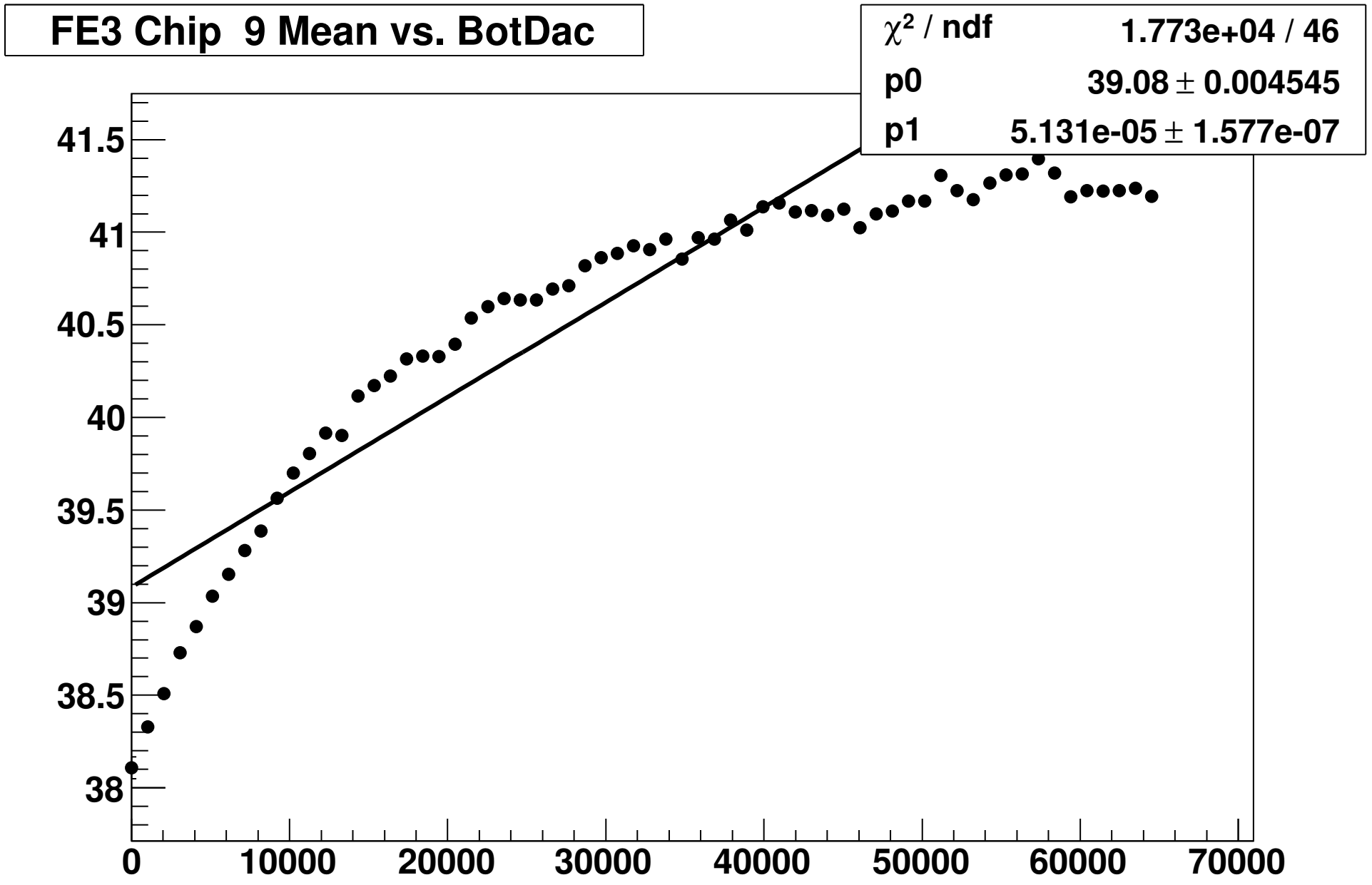
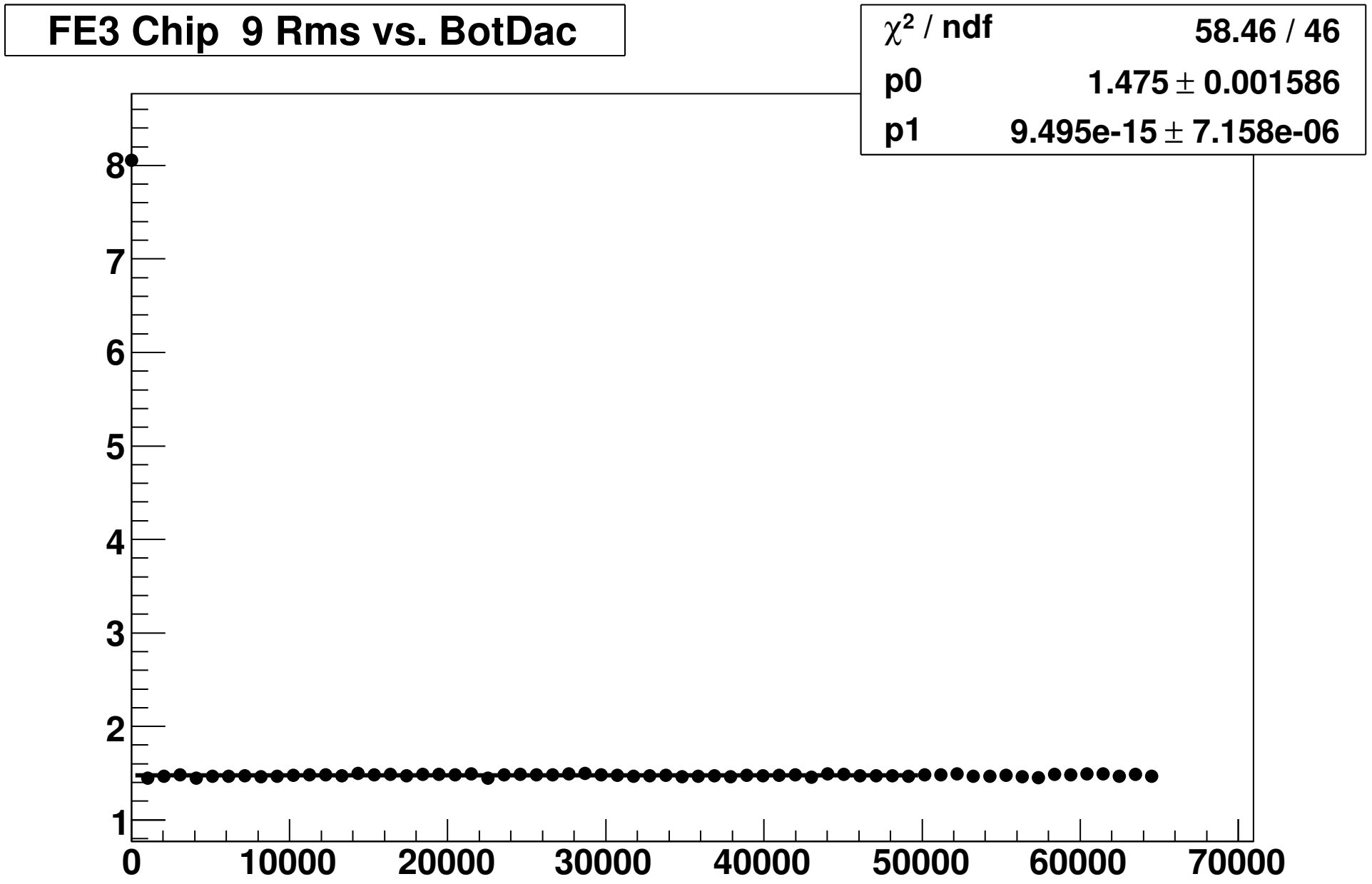

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.885e+05 / 46
p0 37.14 ± 0.004674
p1 0.4499 ± 1.867e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 838.3 / 46
p0 1.372 ± 0.002621
p1 3.542e-05 ± 1.391e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 1.773e+04 / 46
p0 39.08 ± 0.004545
p1 5.131e-05 ± 1.577e-07
41.5
41
40.5
40
39.5
39
38.5
38
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 58.46 / 46
p0 1.475 ± 0.001586
p1 9.495e-15 ± 7.158e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
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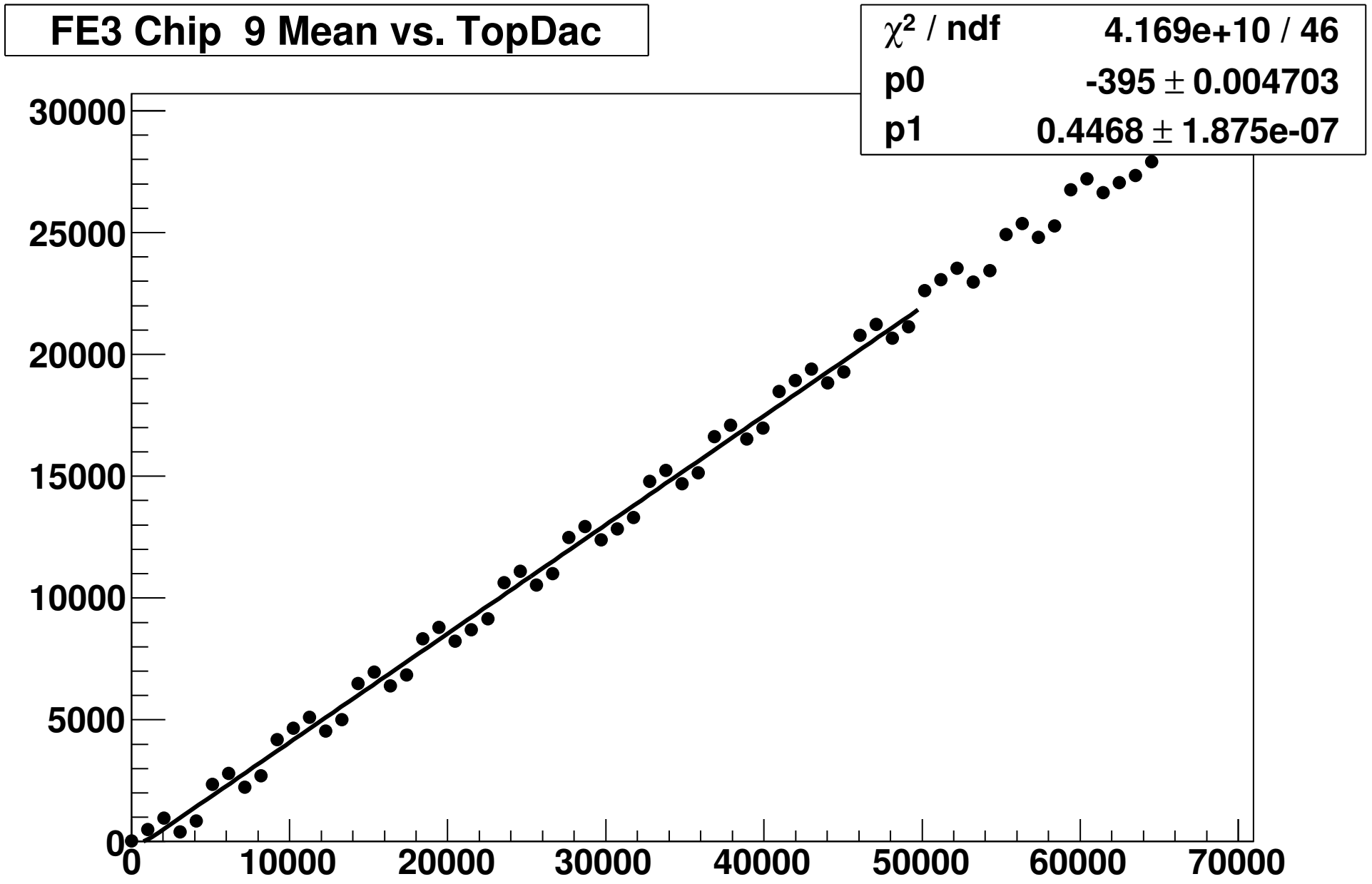
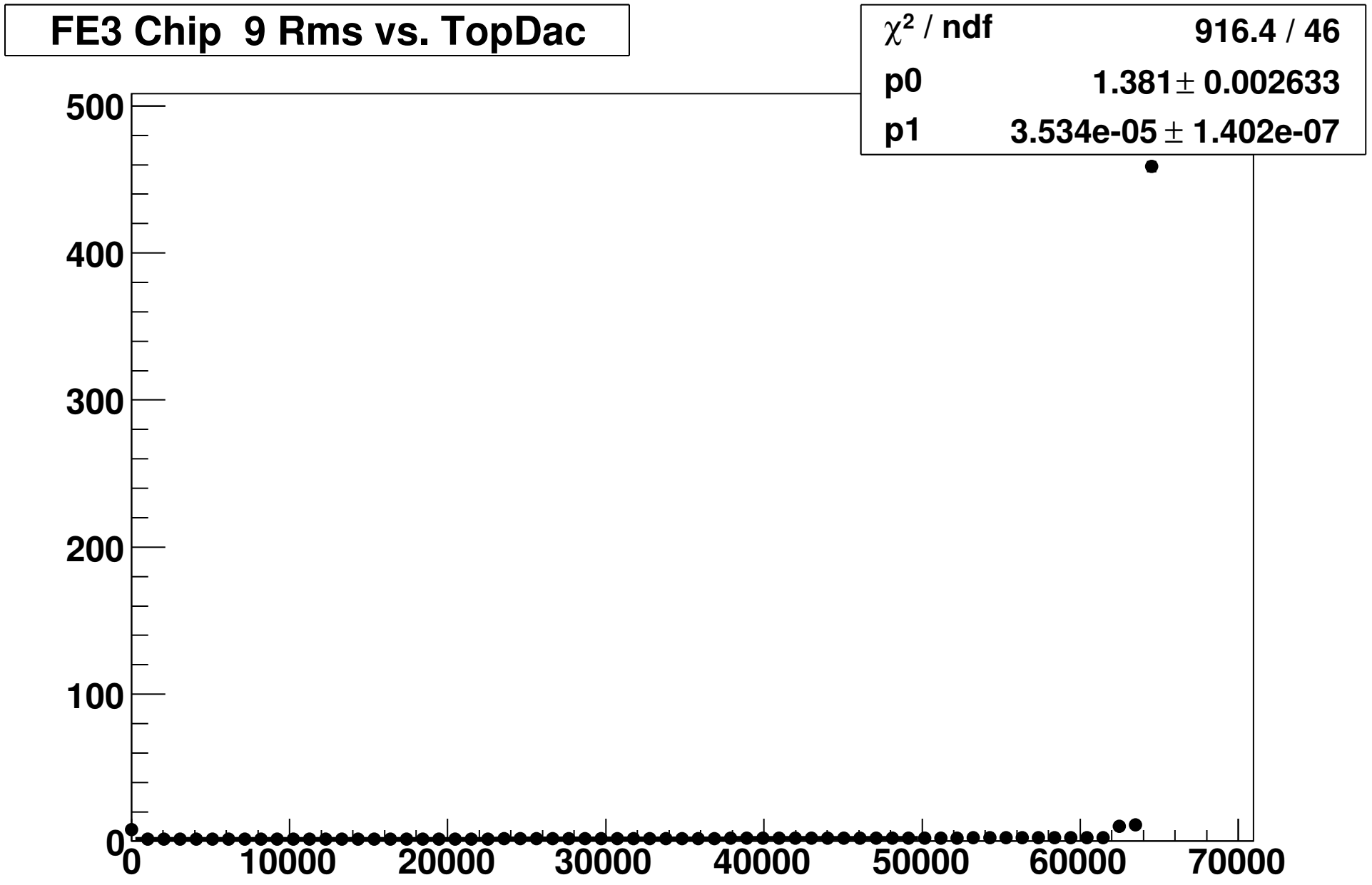
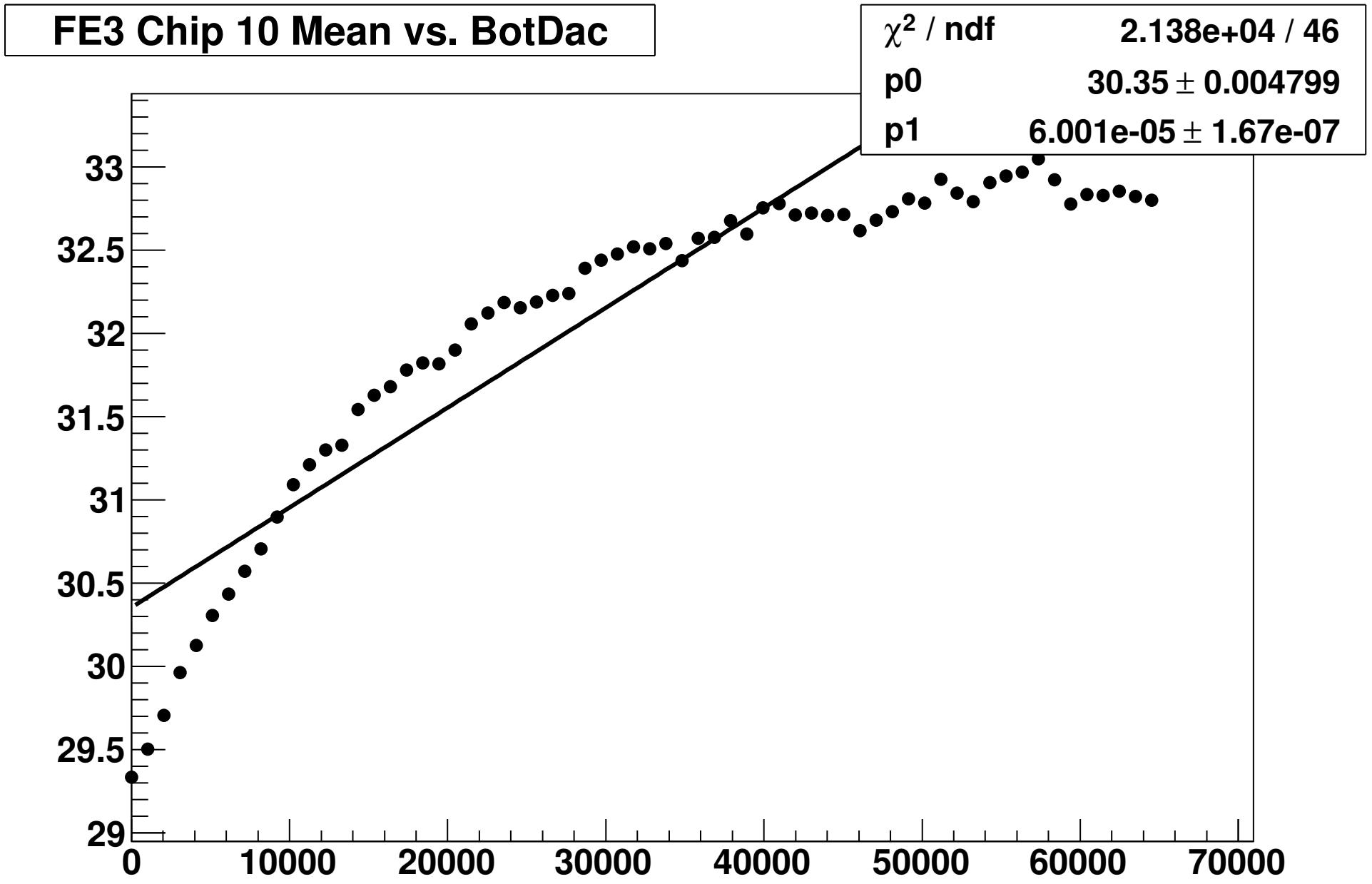
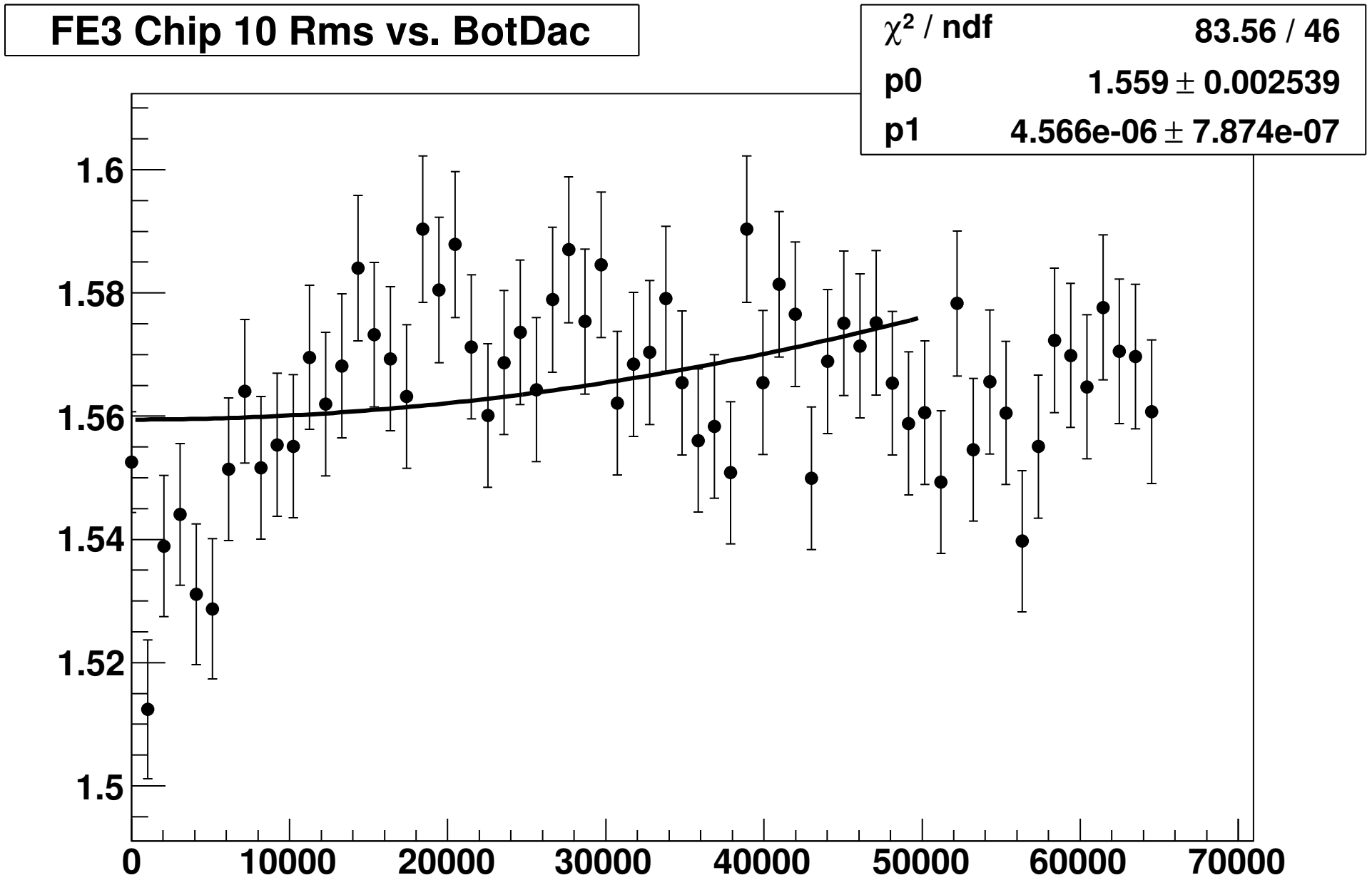
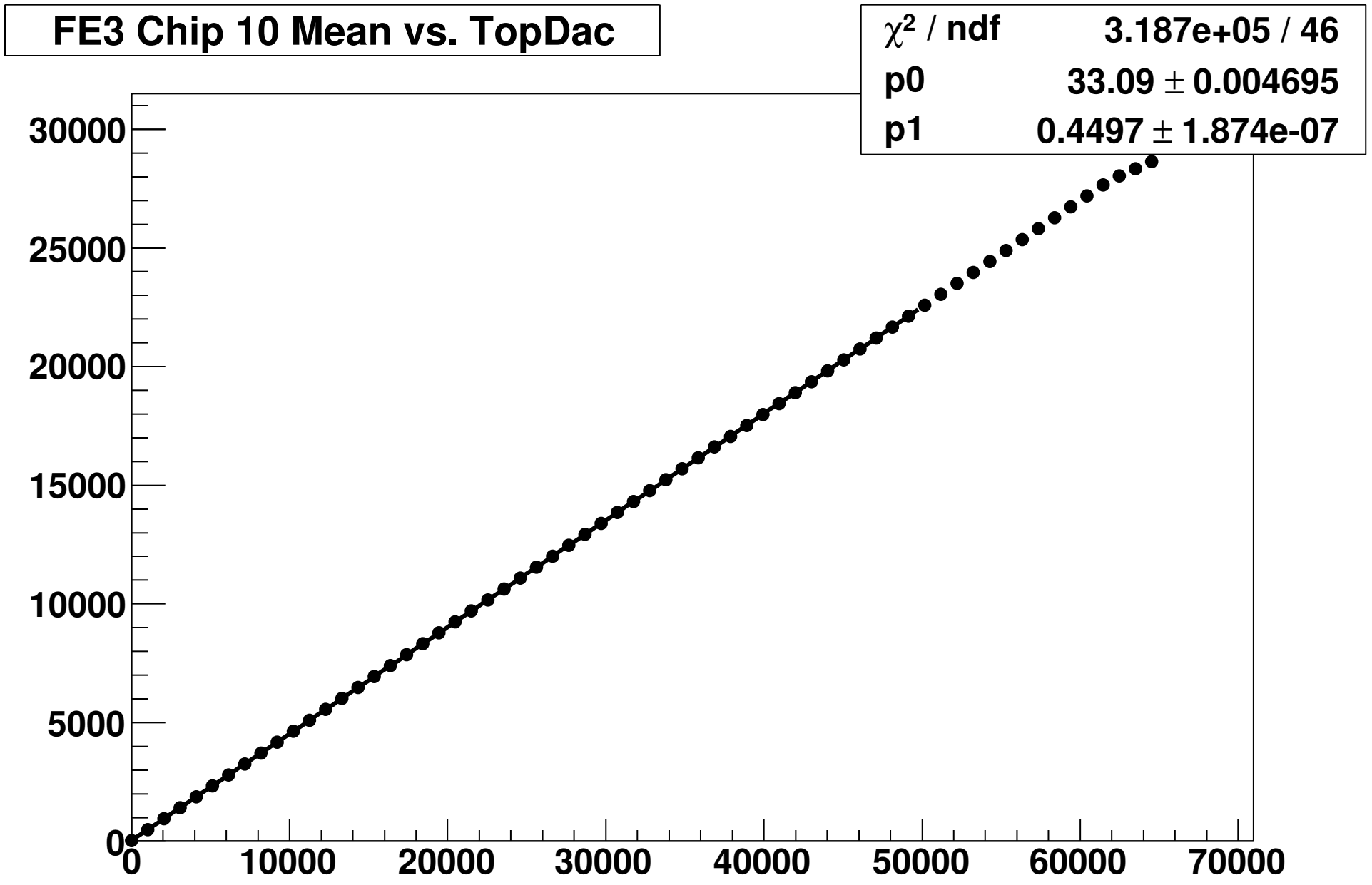
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 4.169e+10 / 46
p0 -395 ± 0.004703
p1 0.4468 ± 1.875e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 916.4 / 46
p0 1.381 ± 0.002633
p1 3.534e-05 ± 1.402e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 2.138e+04 / 46
p0 30.35 ± 0.004799
p1 6.001e-05 ± 1.67e-07
33
32.5
32
31.5
31
30.5
30
29.5
29
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 83.56 / 46
p0 1.559 ± 0.002539
p1 4.566e-06 ± 7.874e-07
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 3.187e+05 / 46
p0 33.09 ± 0.004695
p1 0.4497 ± 1.874e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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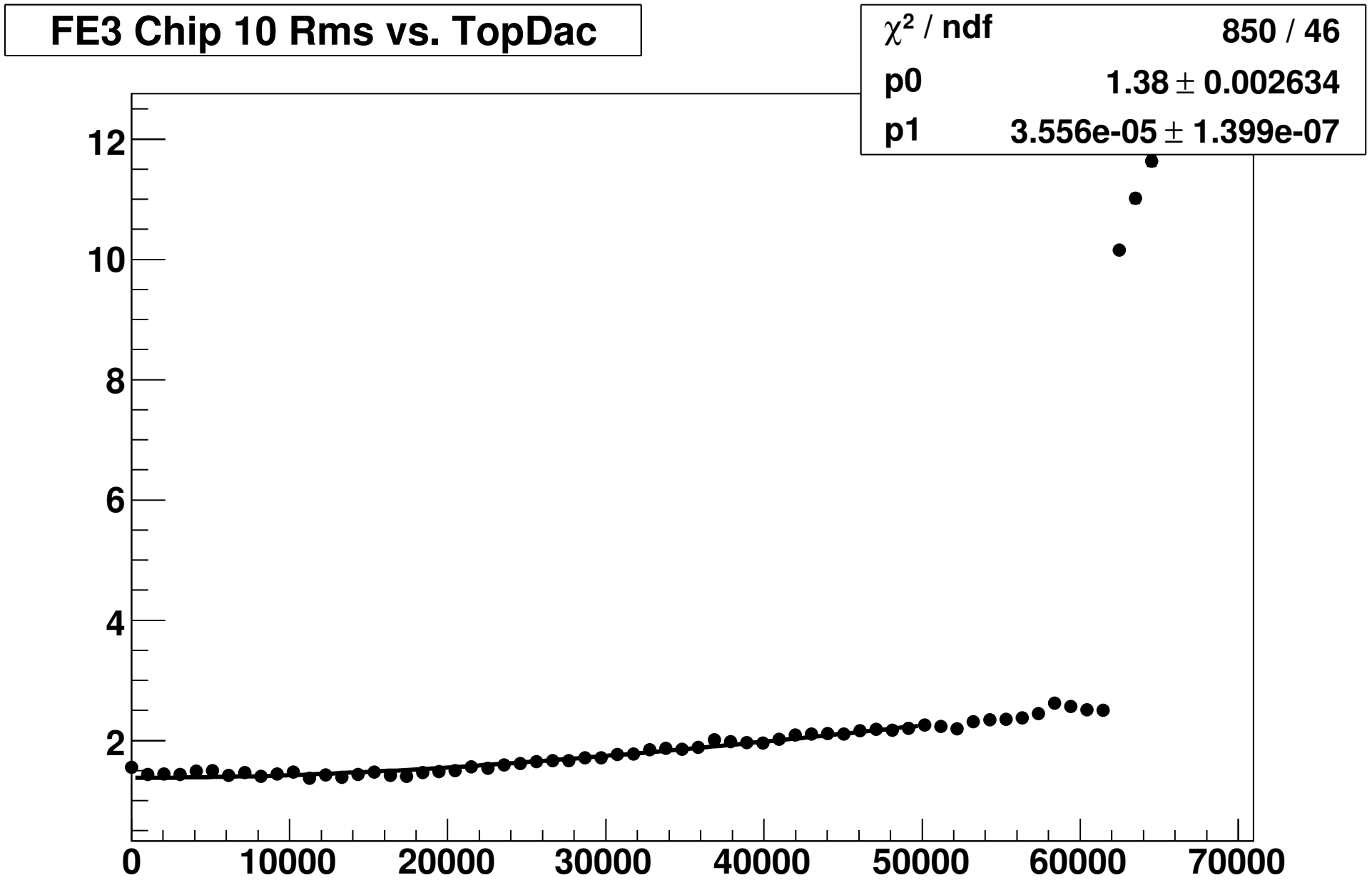
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 850 / 46
p0 1.38 ± 0.002634
p1 3.556e-05 ± 1.399e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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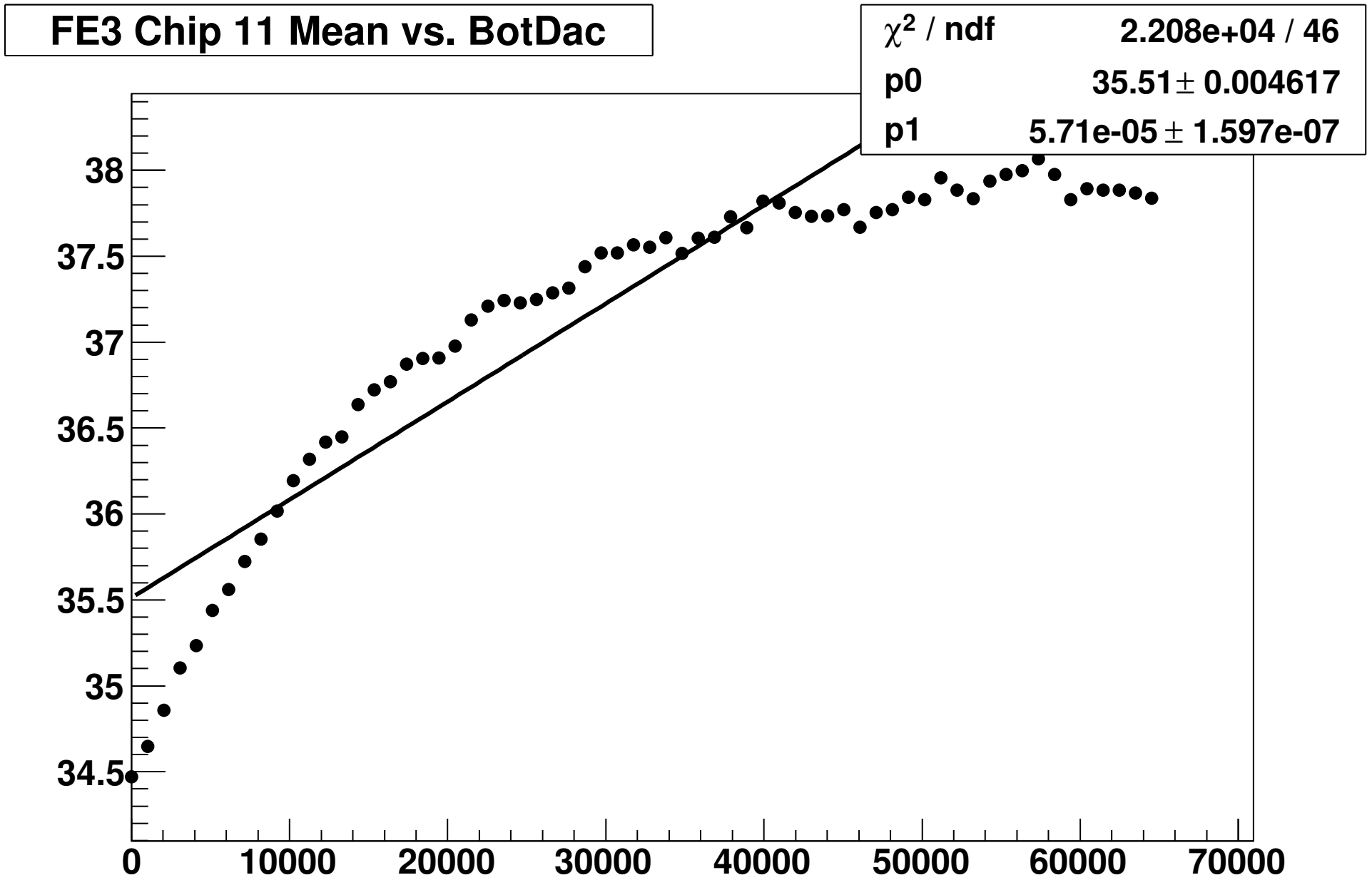
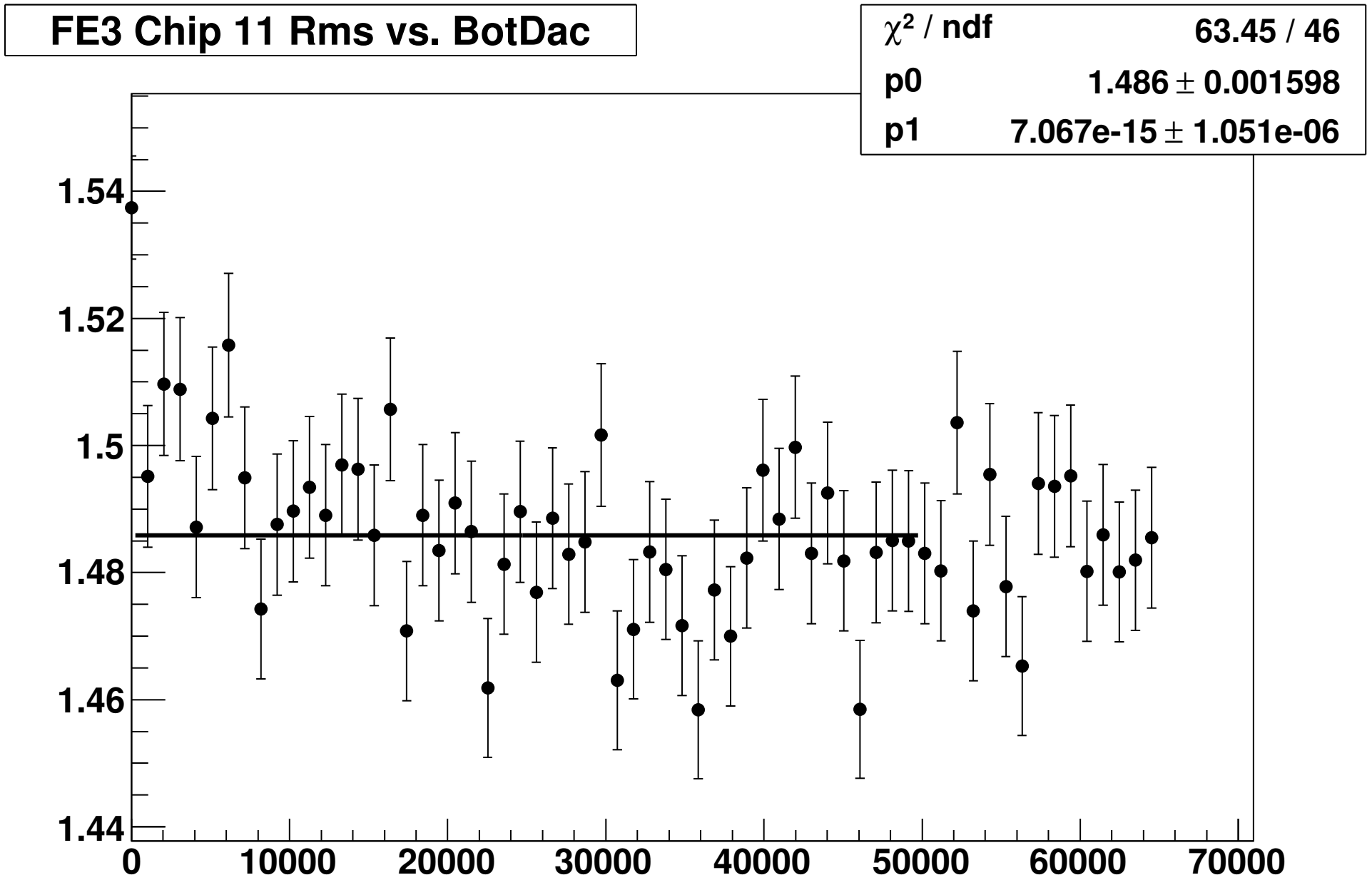
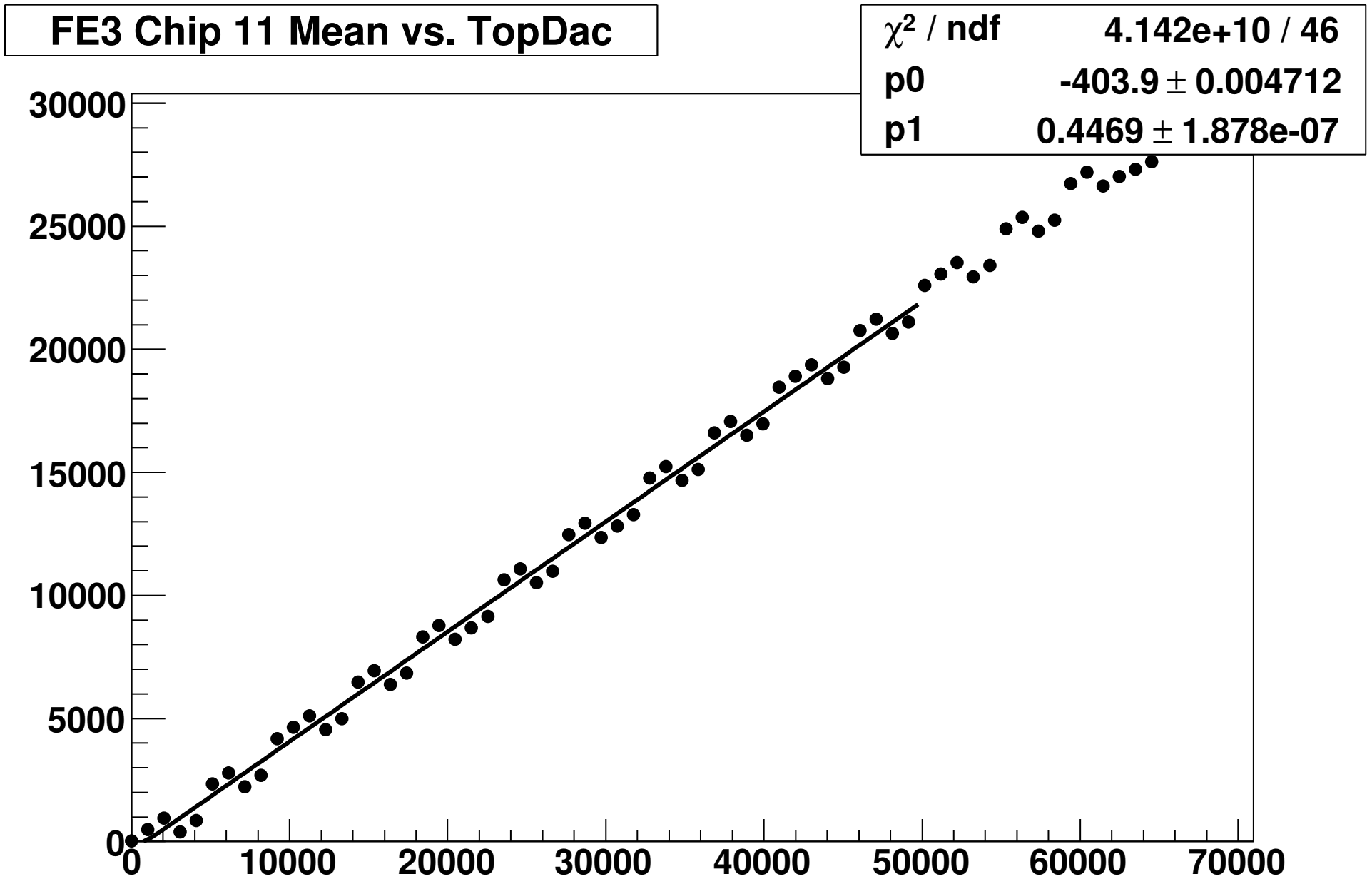
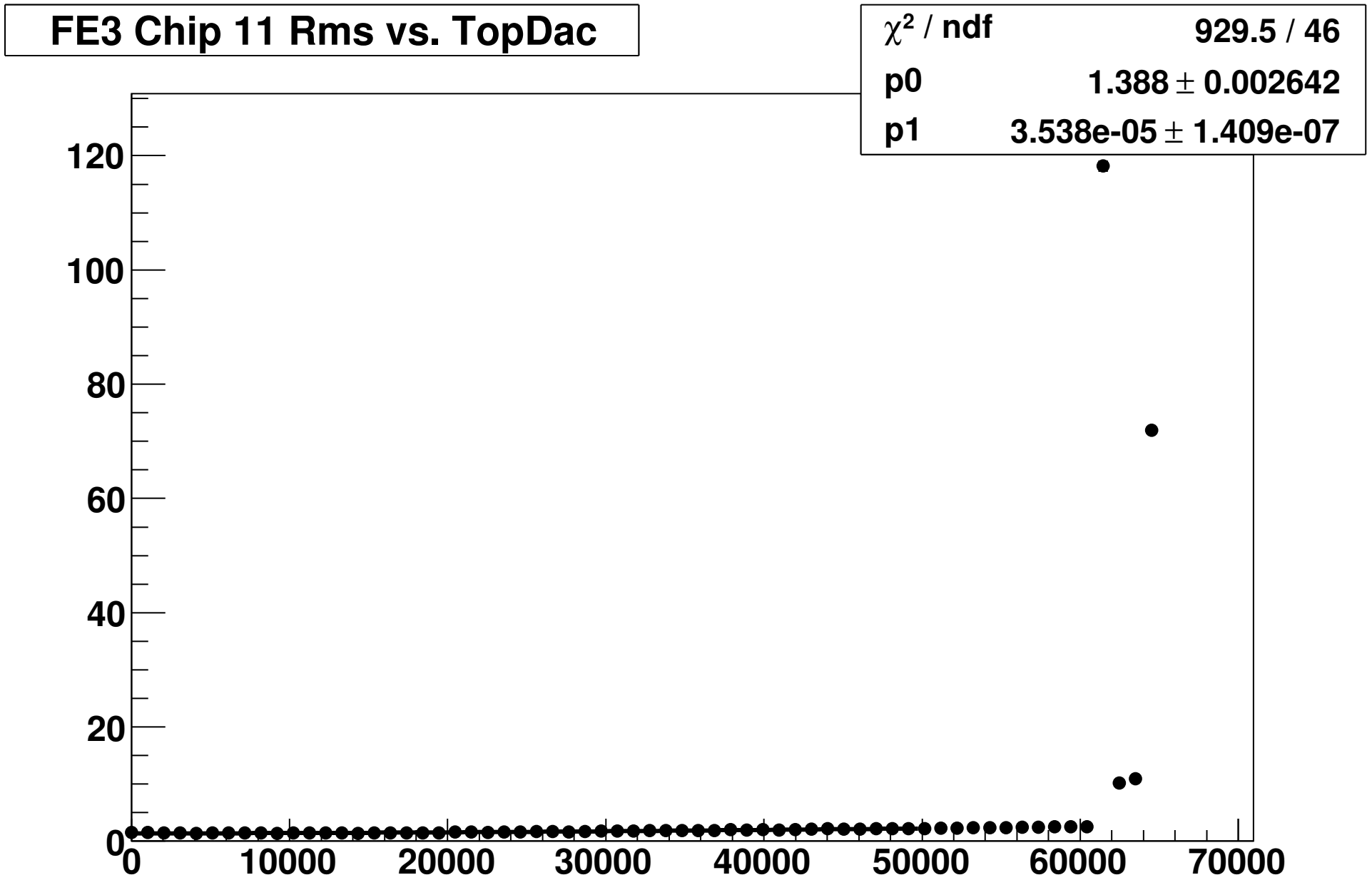
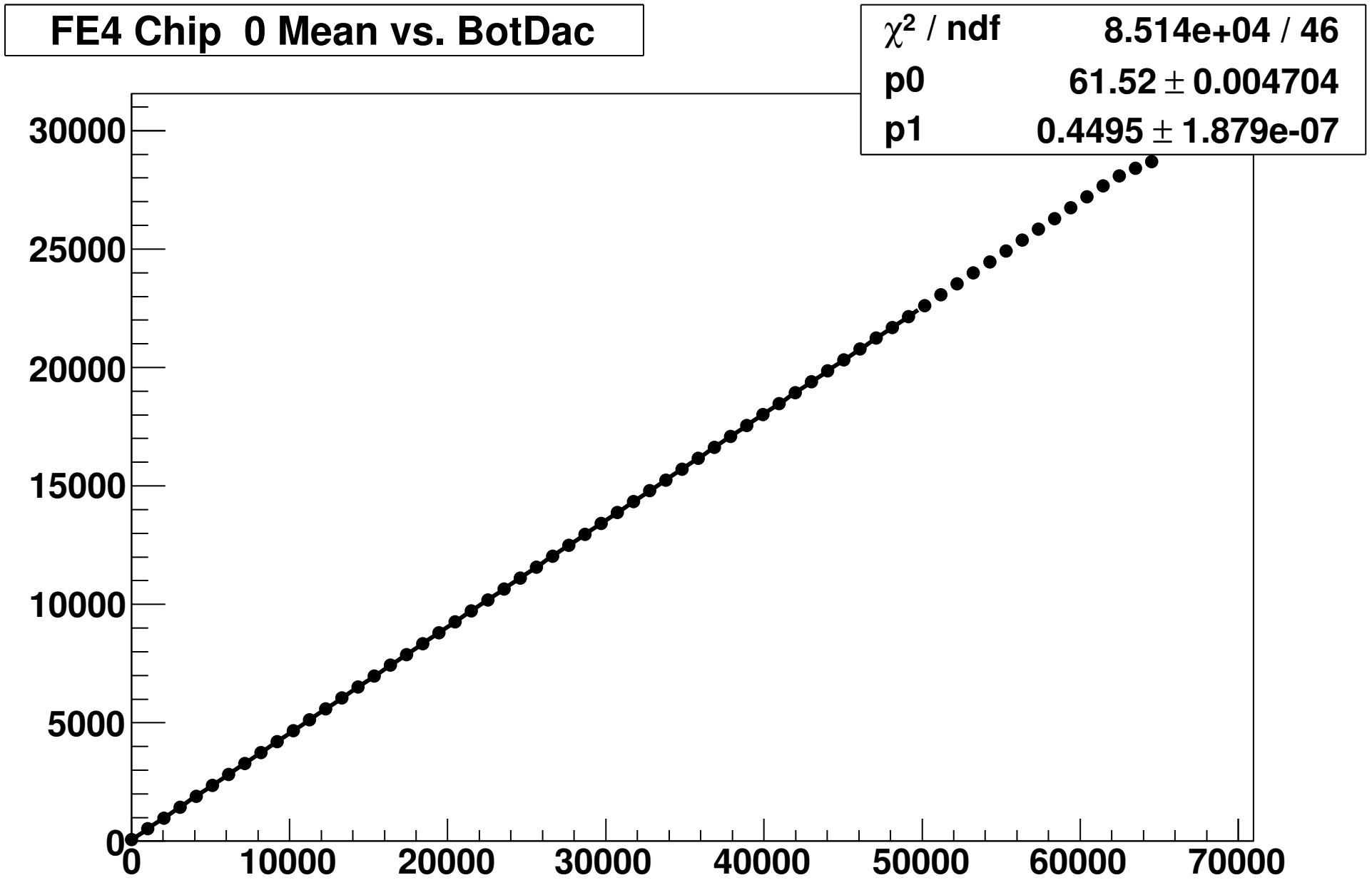
70000

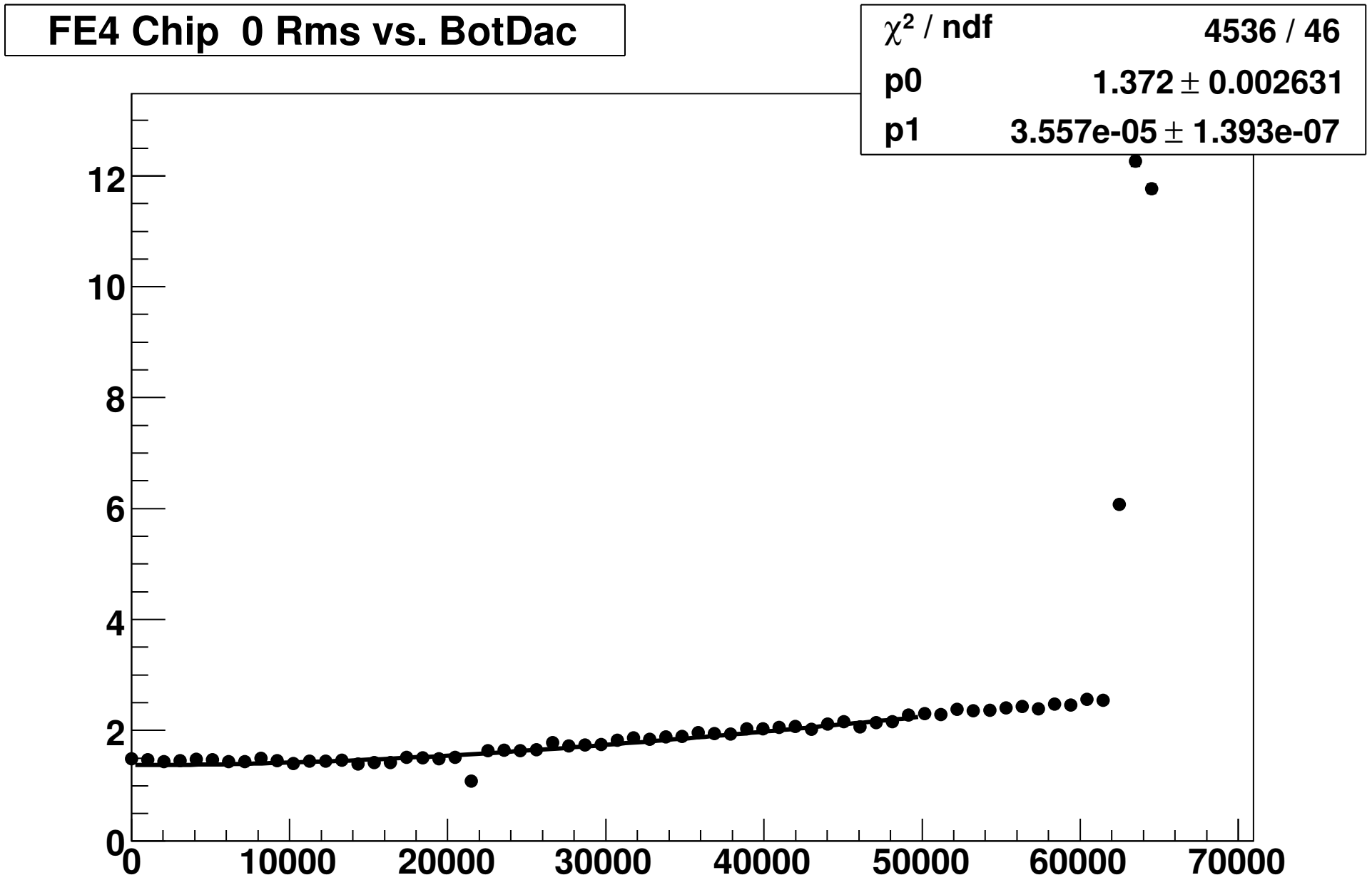

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 2.208e+04 / 46
p0 35.51 ± 0.004617
p1 5.71e-05 ± 1.597e-07
38
37.5
37
36.5
36
35.5
35
34.5
0
10000
20000
30000
40000
50000
60000
70000

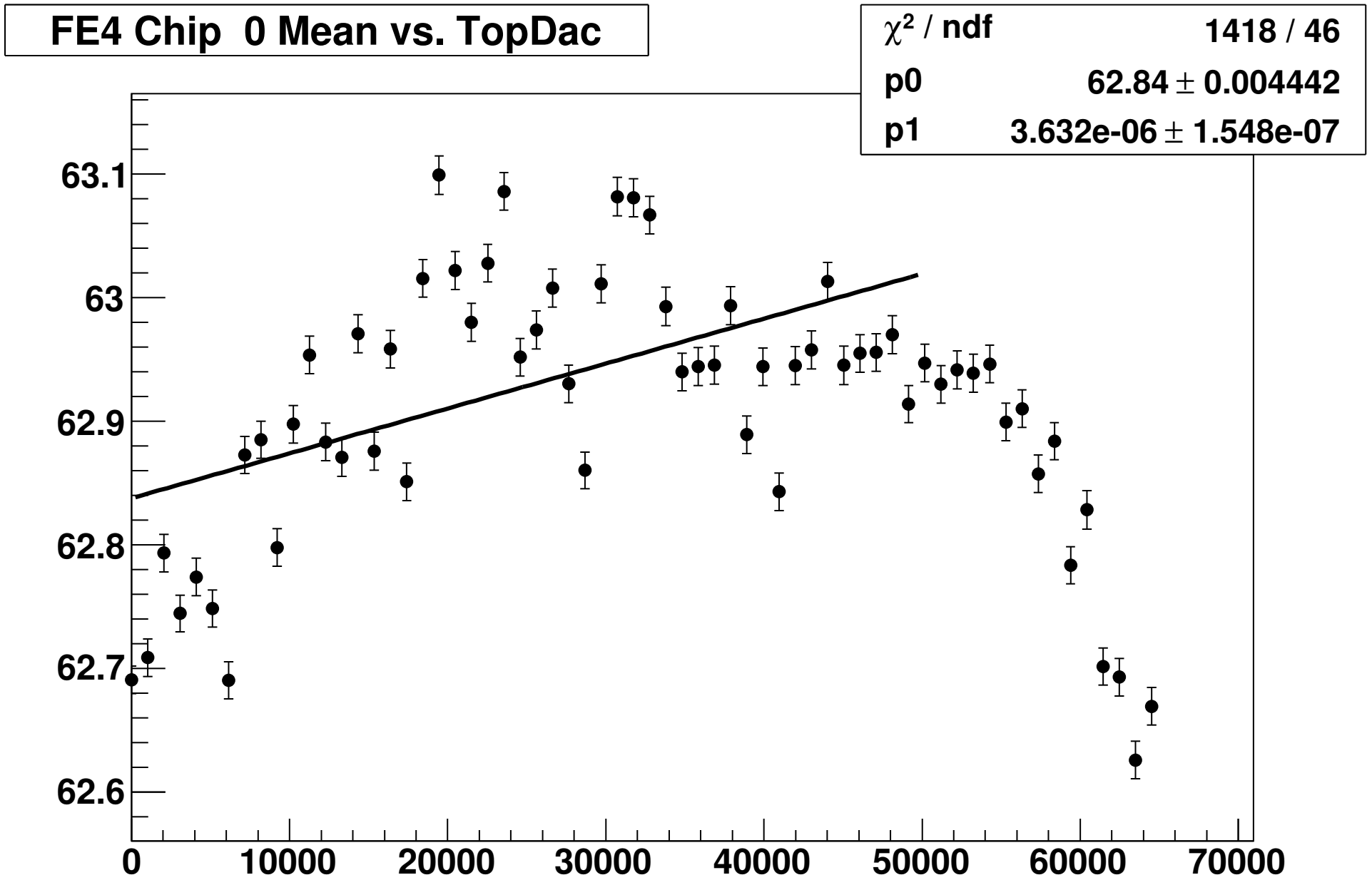

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 63.45 / 46
p0 1.486 ± 0.001598
p1 7.067e-15 ± 1.051e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

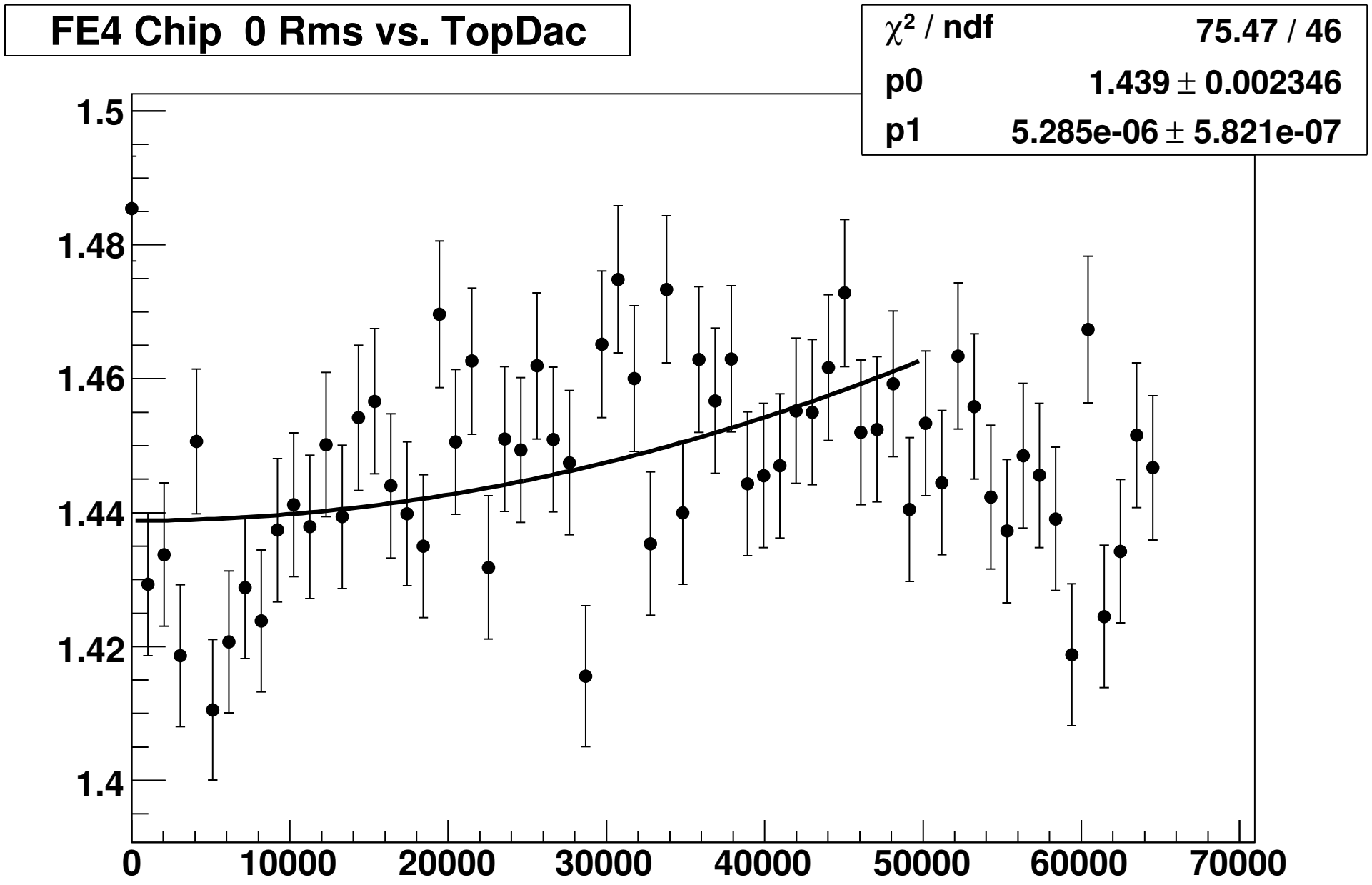

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.142e+10 / 46
p0 -403.9 ± 0.004712
p1 0.4469 ± 1.878e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

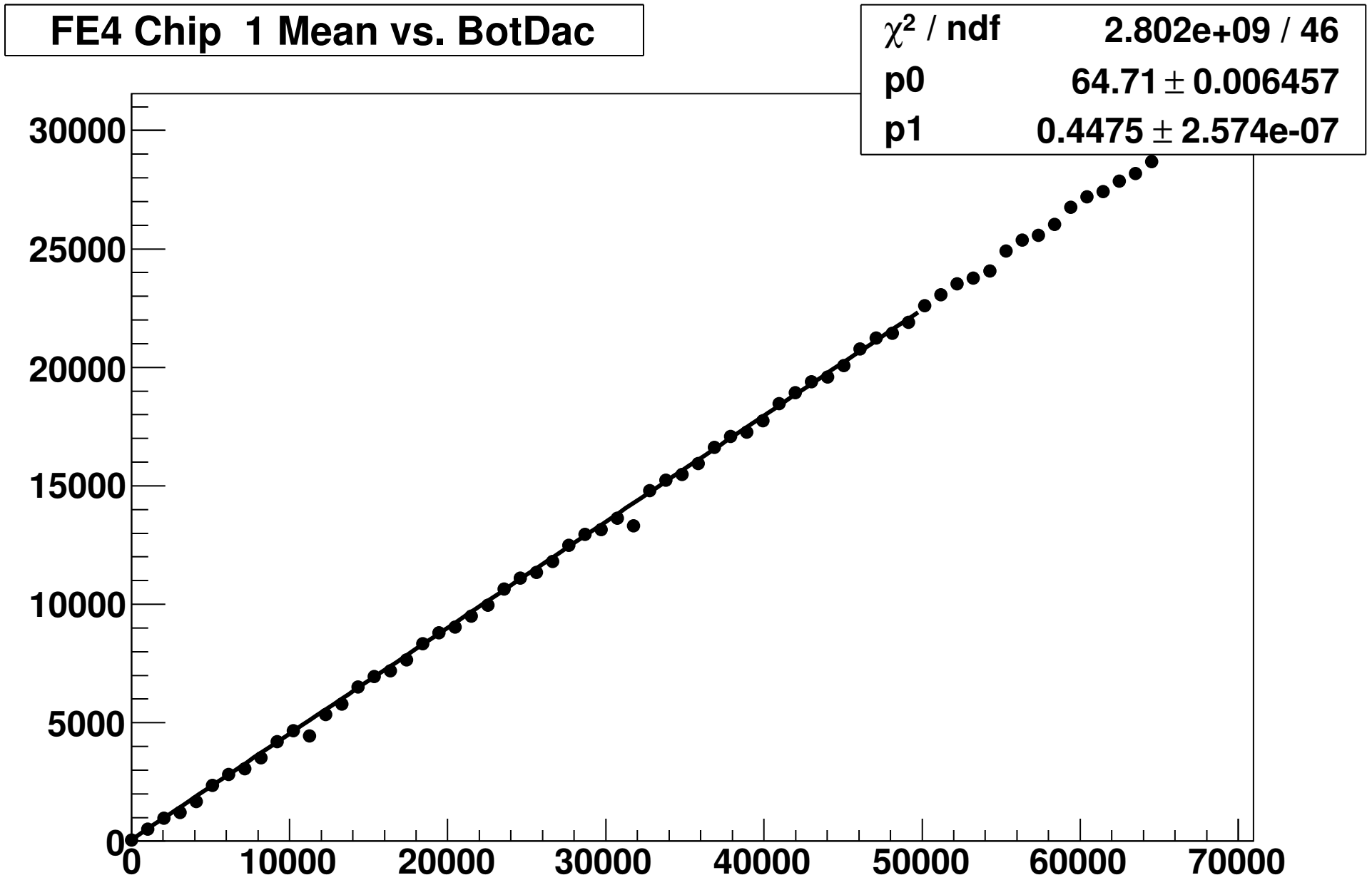

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 929.5 / 46
p0 1.388 ± 0.002642
p1 3.538e-05 ± 1.409e-07
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

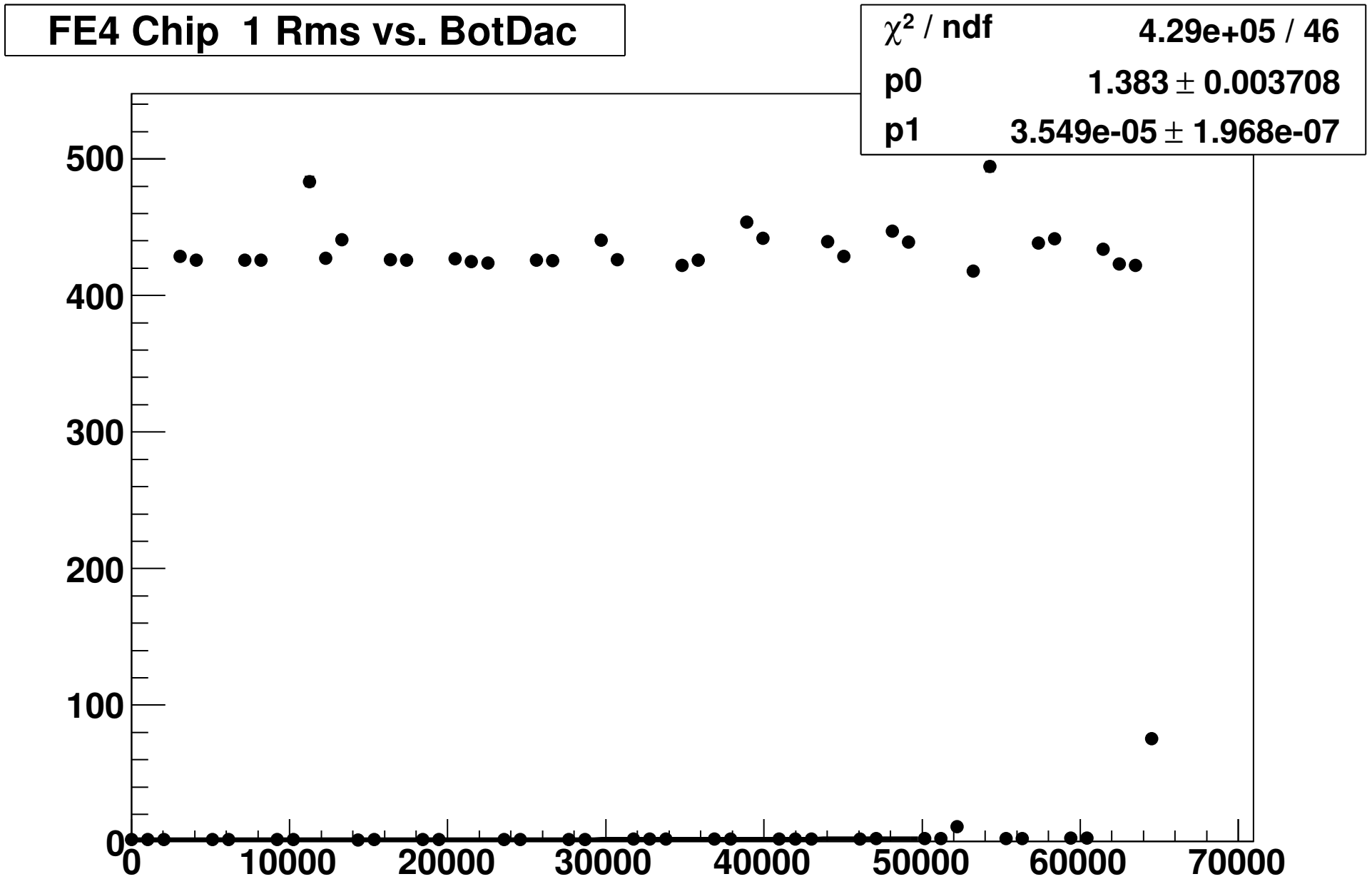

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 8.514e+04 / 46
p0 61.52 ± 0.004704
p1 0.4495 ± 1.879e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

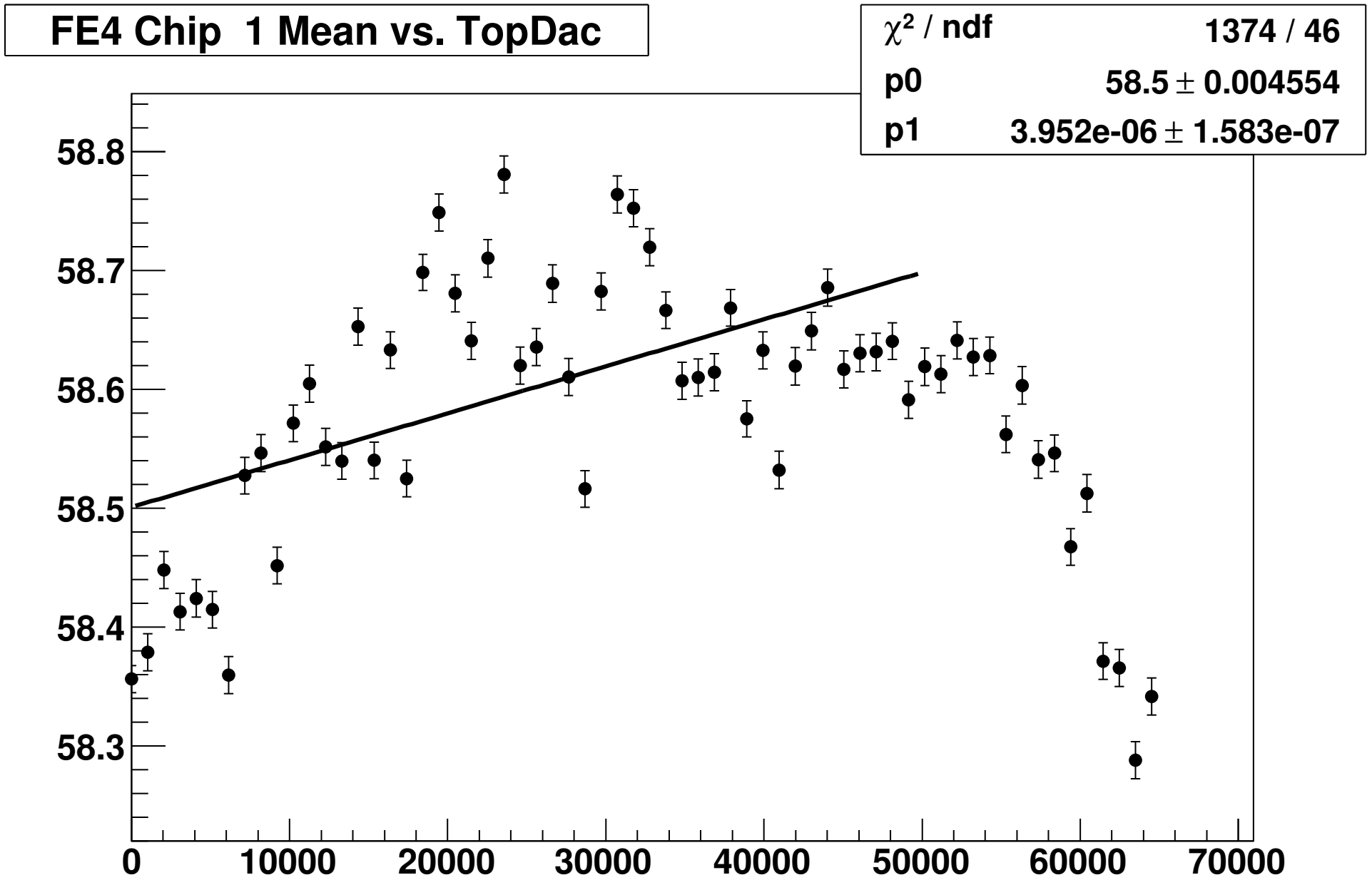

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 4536 / 46
p0 1.372 ± 0.002631
p1 3.557e-05 ± 1.393e-07
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000
70000

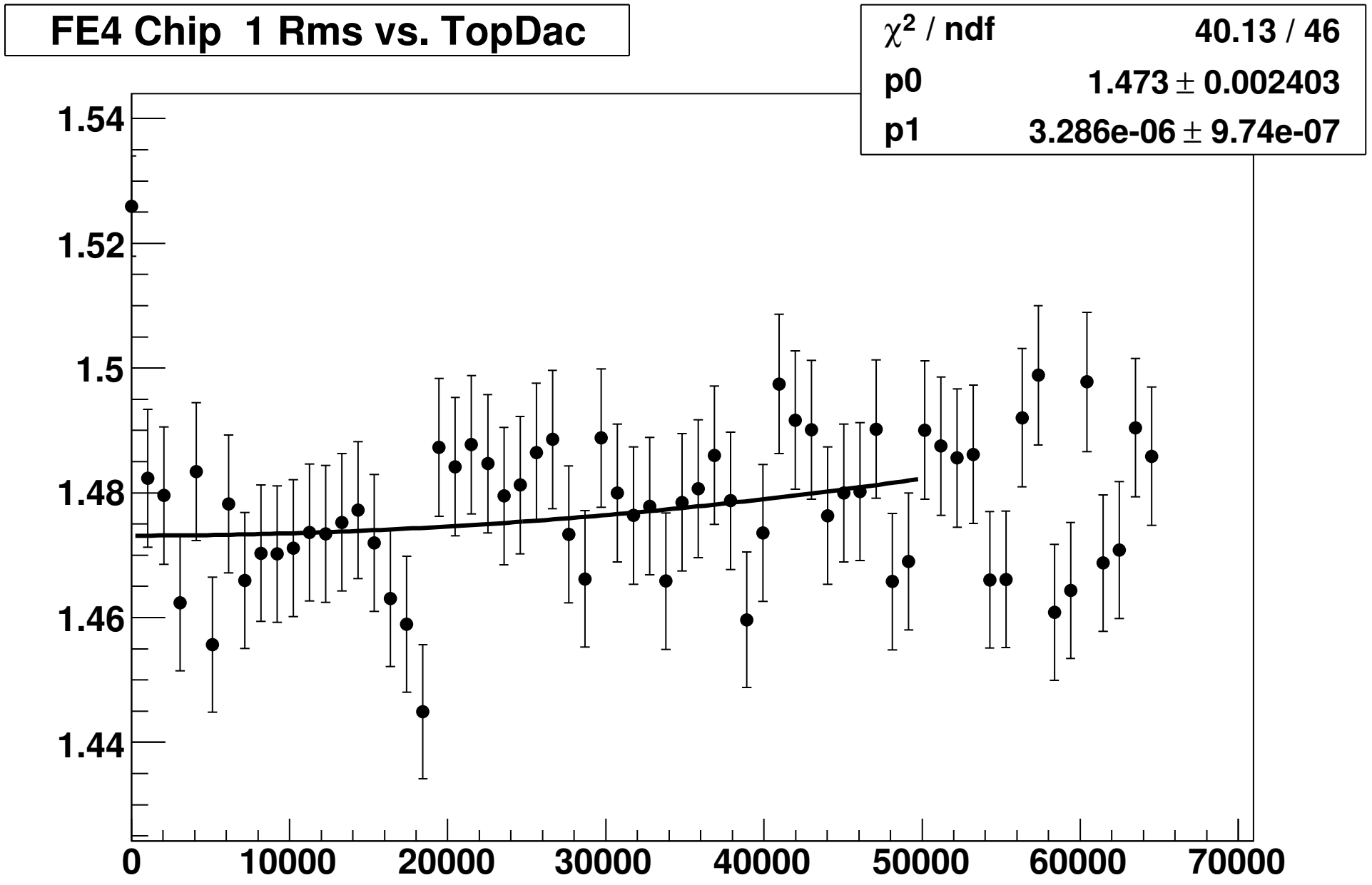

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 1418 / 46
p0 62.84 ± 0.004442
p1 3.632e-06 ± 1.548e-07
63.1
63
62.9
62.8
62.7
62.6
0
10000
20000
30000
40000
50000
60000
70000

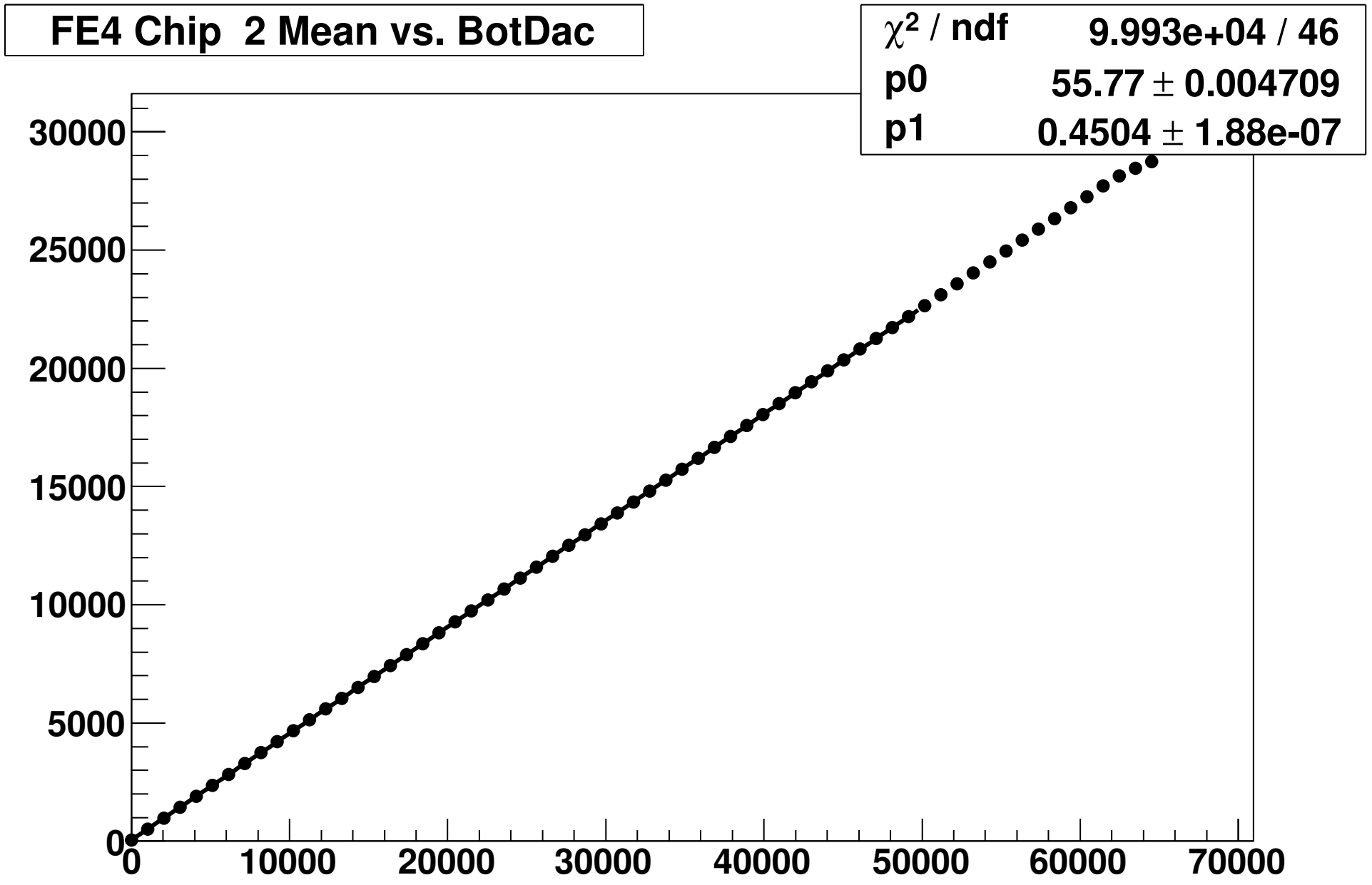

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 75.47 / 46
p0 1.439 ± 0.002346
p1 5.285e-06 ± 5.821e-07
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.802e+09 / 46
p0 64.71 ± 0.006457
p1 0.4475 ± 2.574e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 4.29e+05 / 46
p0 1.383 ± 0.003708
p1 3.549e-05 ± 1.968e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 1374 / 46
p0 58.5 ± 0.004554
p1 3.952e-06 ± 1.583e-07
58.8
58.7
58.6
58.5
58.4
58.3
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 40.13 / 46
p0 1.473 ± 0.002403
p1 3.286e-06 ± 9.74e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 9.993e+04 / 46
p0 55.77 ± 0.004709
p1 0.4504 ± 1.88e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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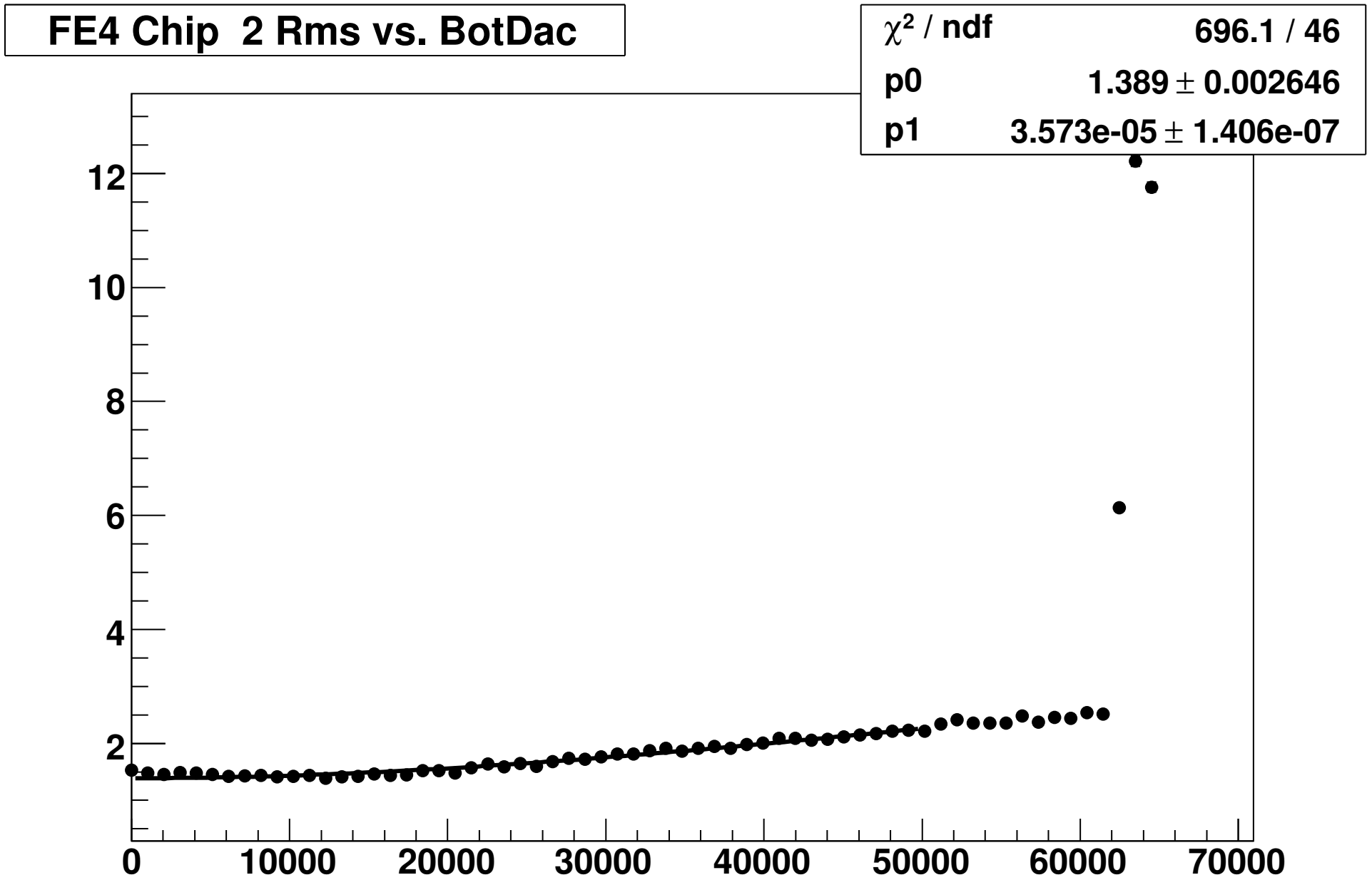
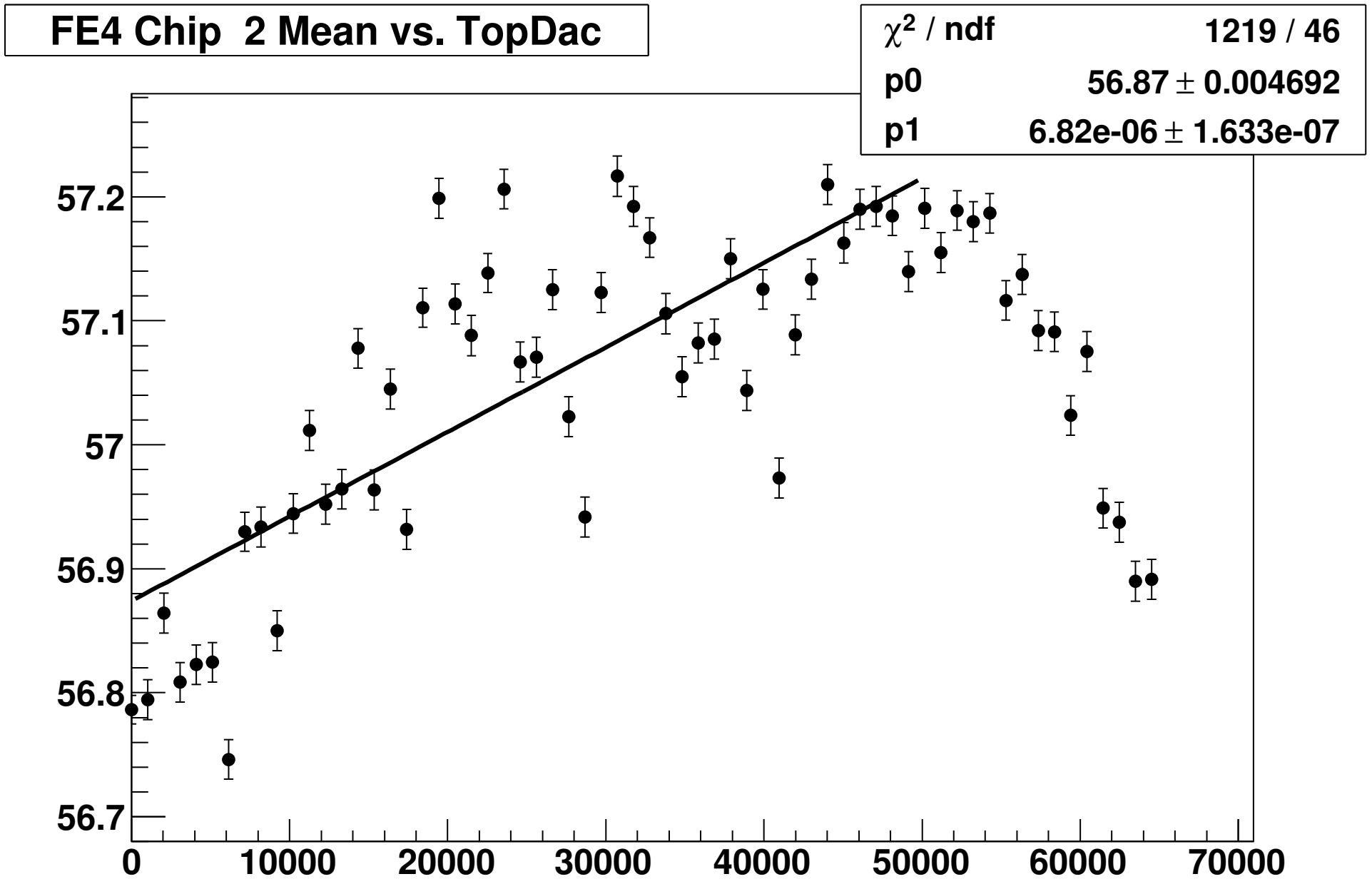

FE4 Chip 2 Rms vs. BotDac
χ² / ndf 696.1 / 46
p0 1.389 ± 0.002646
p1 3.573e-05 ± 1.406e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 1219 / 46
p0 56.87 ± 0.004692
p1 6.82e-06 ± 1.633e-07
57.2
57.1
57
56.9
56.8
56.7
0
10000
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40000
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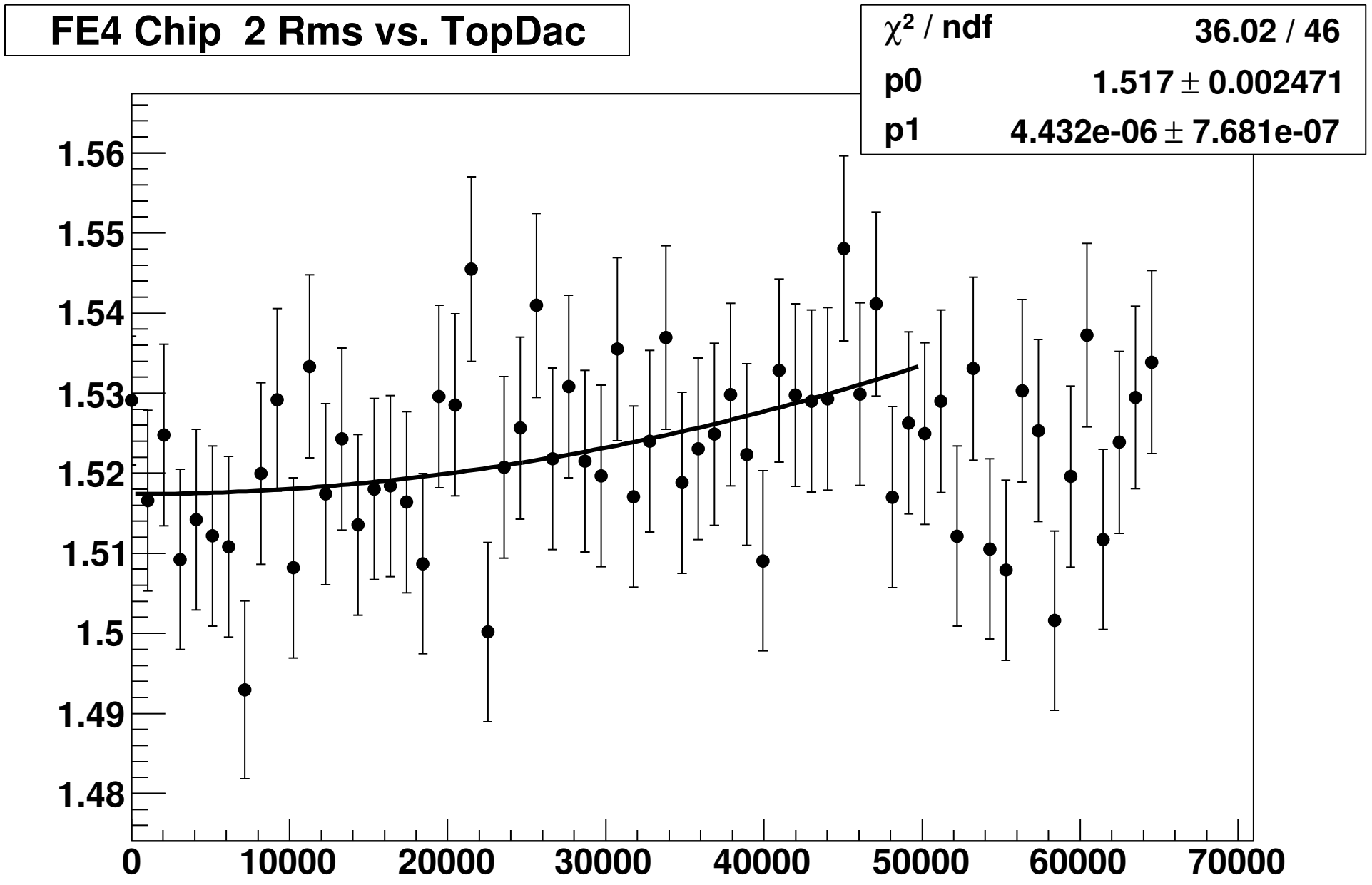
60000
70000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 36.02 / 46
p0 1.517 ± 0.002471
p1 4.432e-06 ± 7.681e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
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60000
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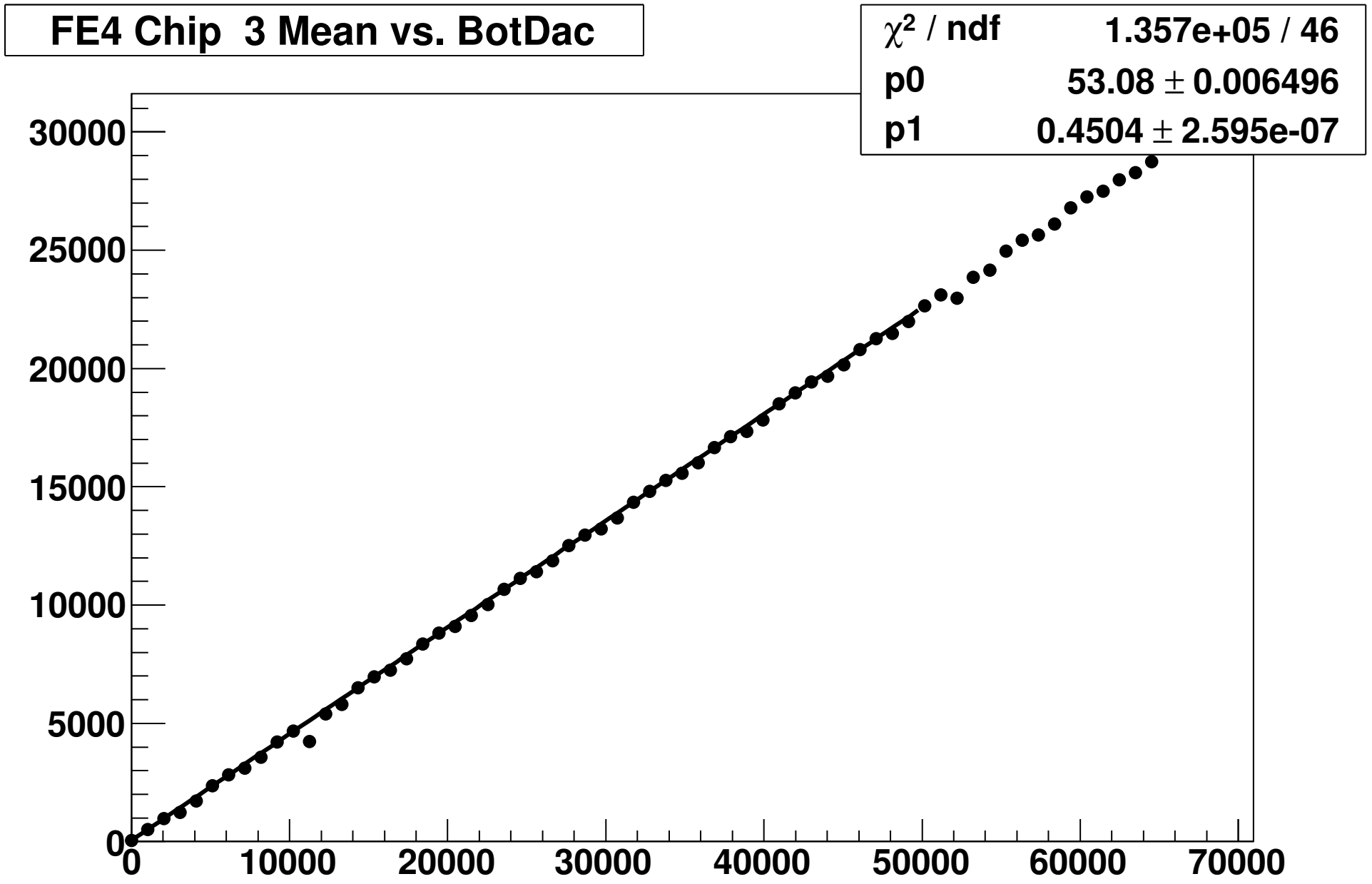
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.357e+05 / 46
p0 53.08 ± 0.006496
p1 0.4504 ± 2.595e-07
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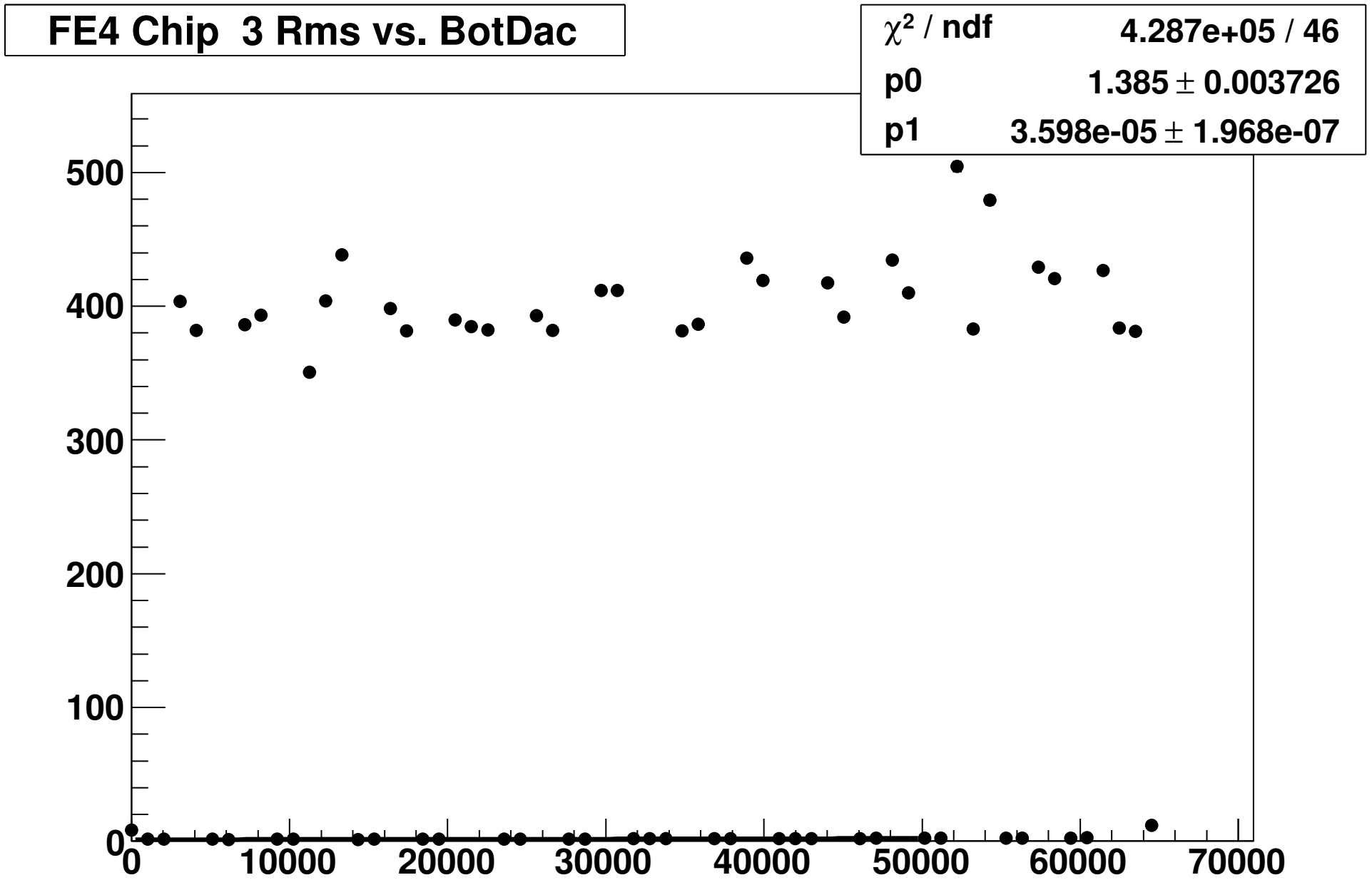
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 4.287e+05 / 46
p0 1.385 ± 0.003726
p1 3.598e-05 ± 1.968e-07
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400
300
200
100
0
0
10000
20000
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50000
60000
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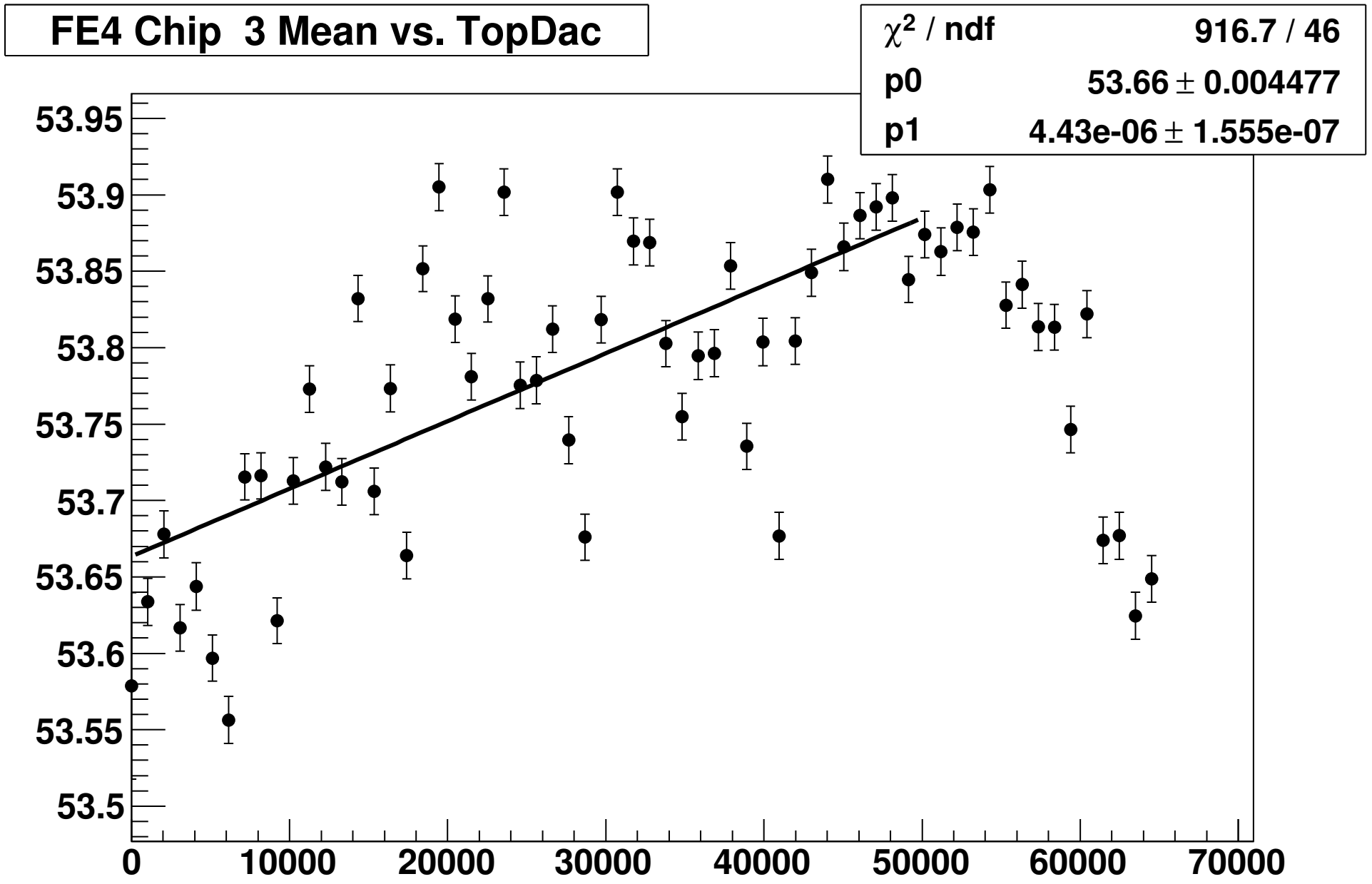
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 916.7 / 46
p0 53.66 ± 0.004477
p1 4.43e-06 ± 1.555e-07
53.95
53.9
53.85
53.8
53.75
53.7
53.65
53.6
53.55
53.5
0
10000
20000
30000
40000
50000
60000
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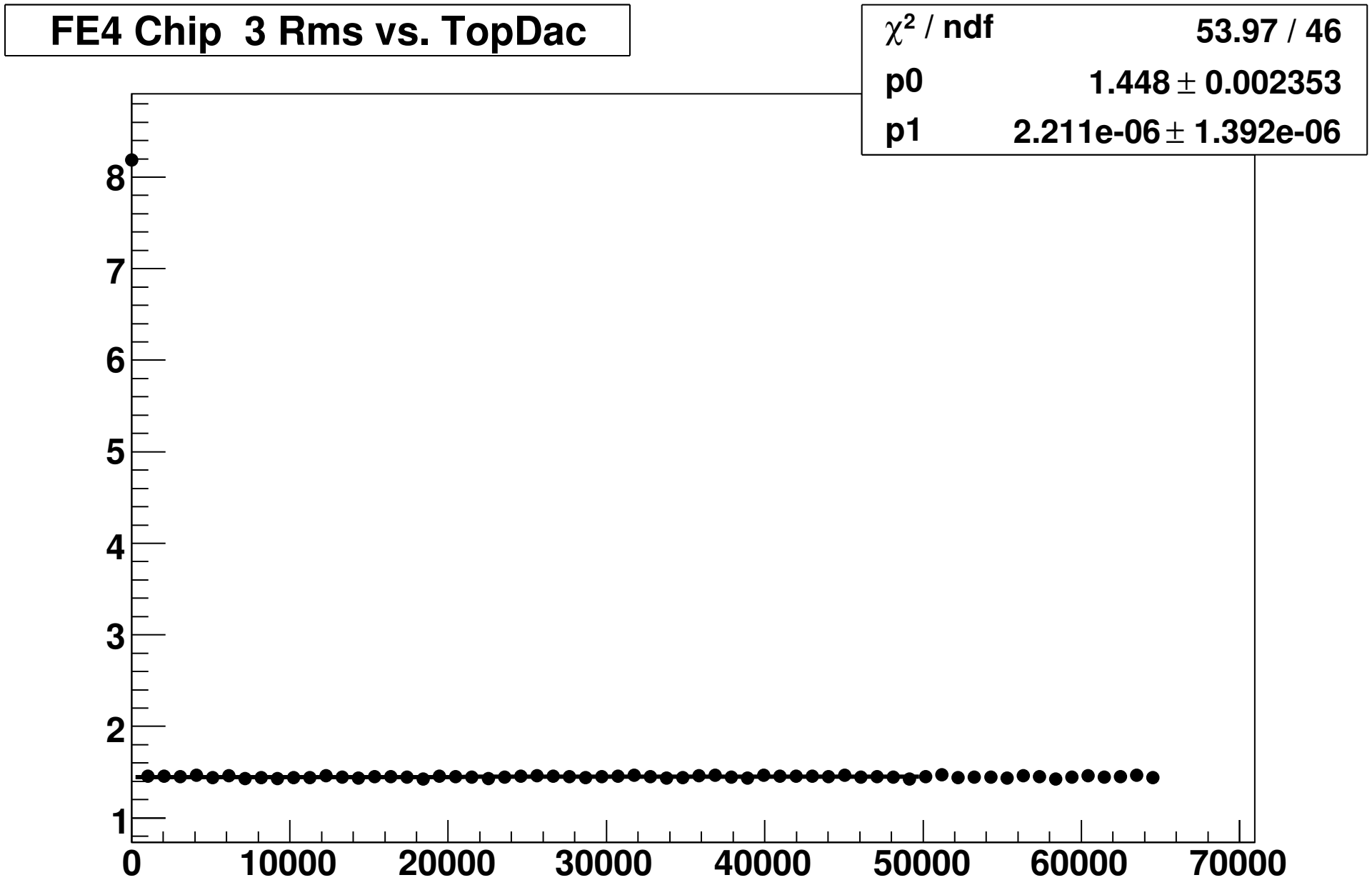
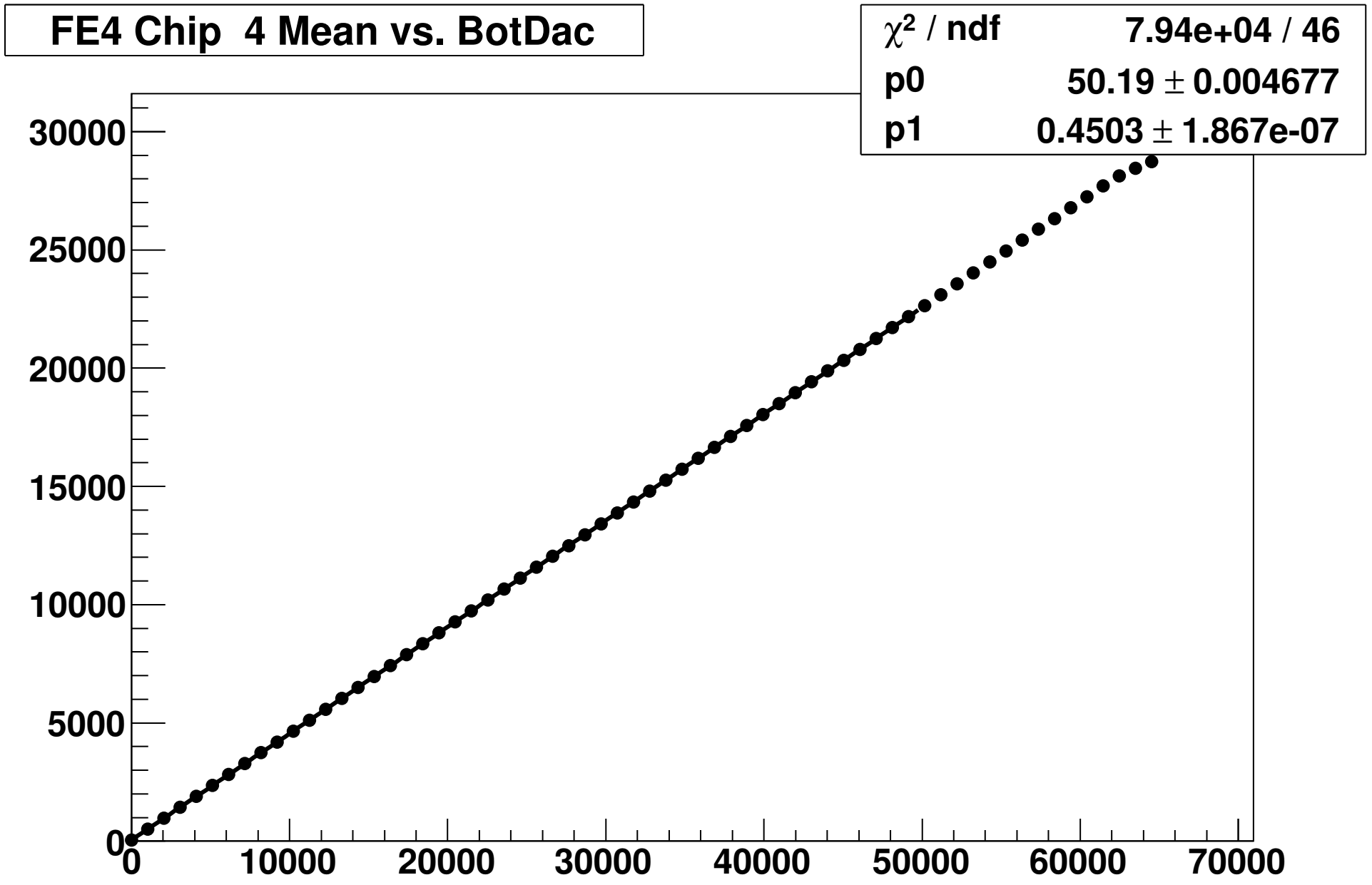

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 53.97 / 46
p0 1.448 ± 0.002353
p1 2.211e-06 ± 1.392e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 7.94e+04 / 46
p0 50.19 ± 0.004677
p1 0.4503 ± 1.867e-07
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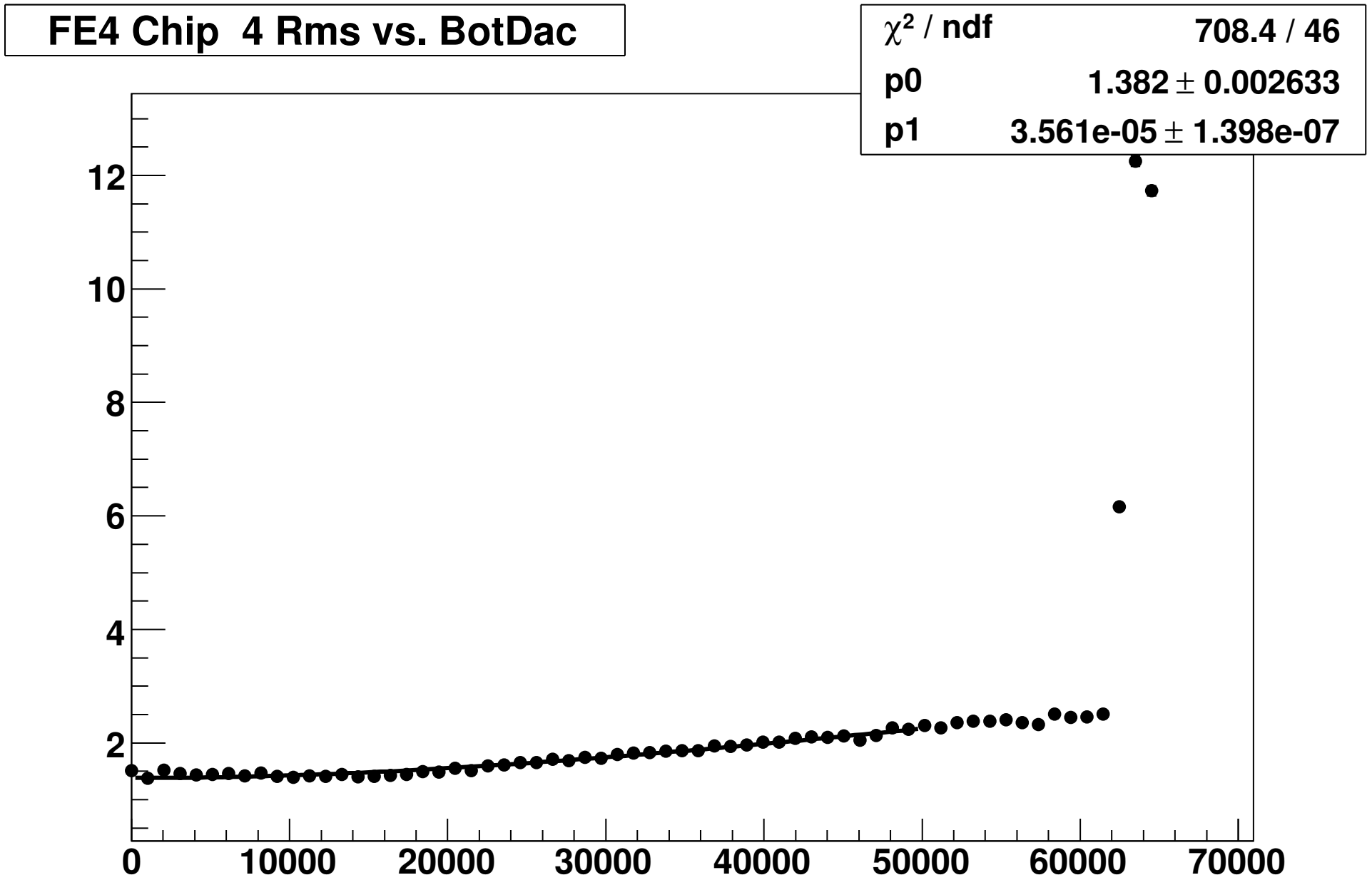
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 708.4 / 46
p0 1.382 ± 0.002633
p1 3.561e-05 ± 1.398e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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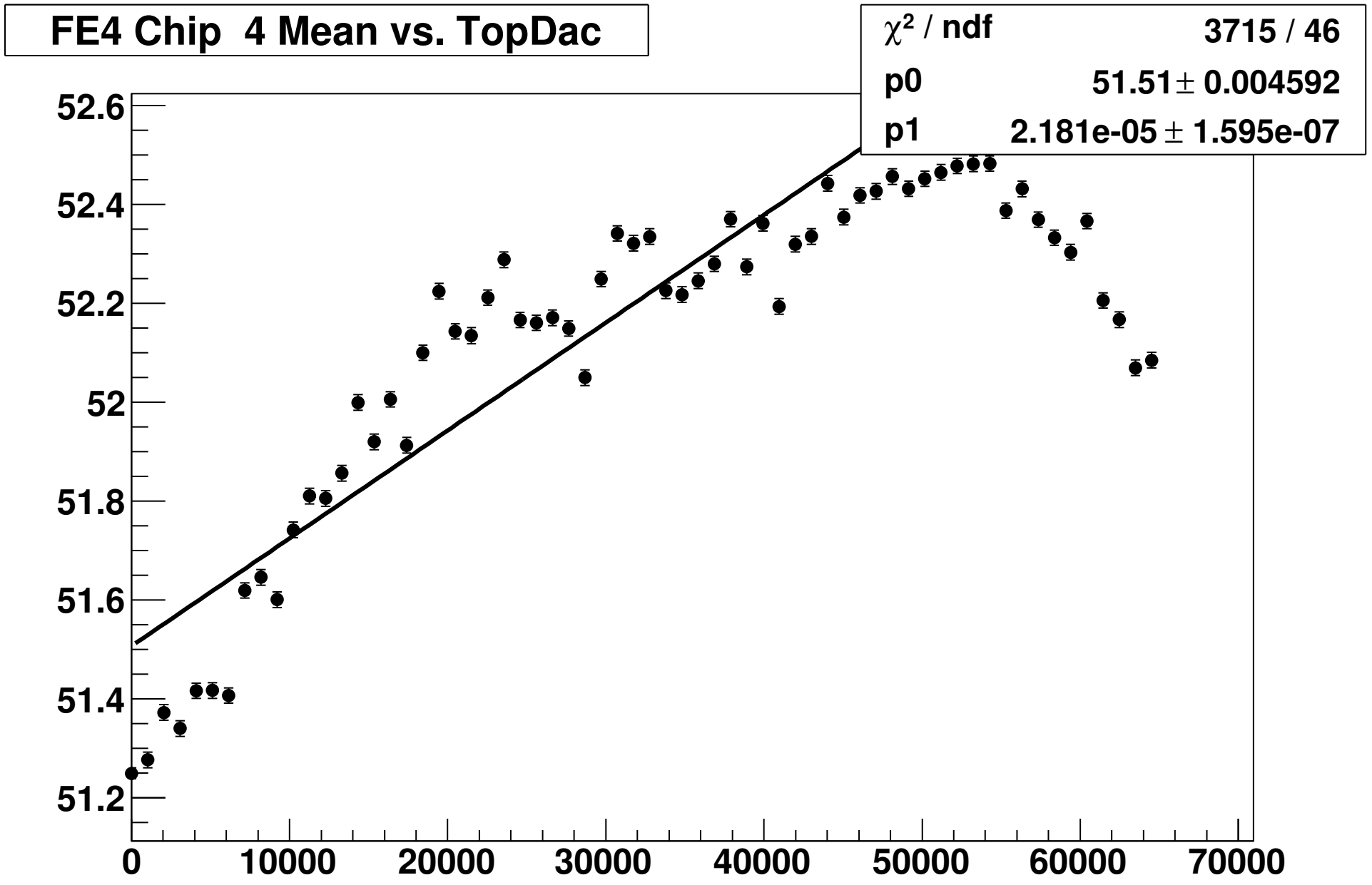
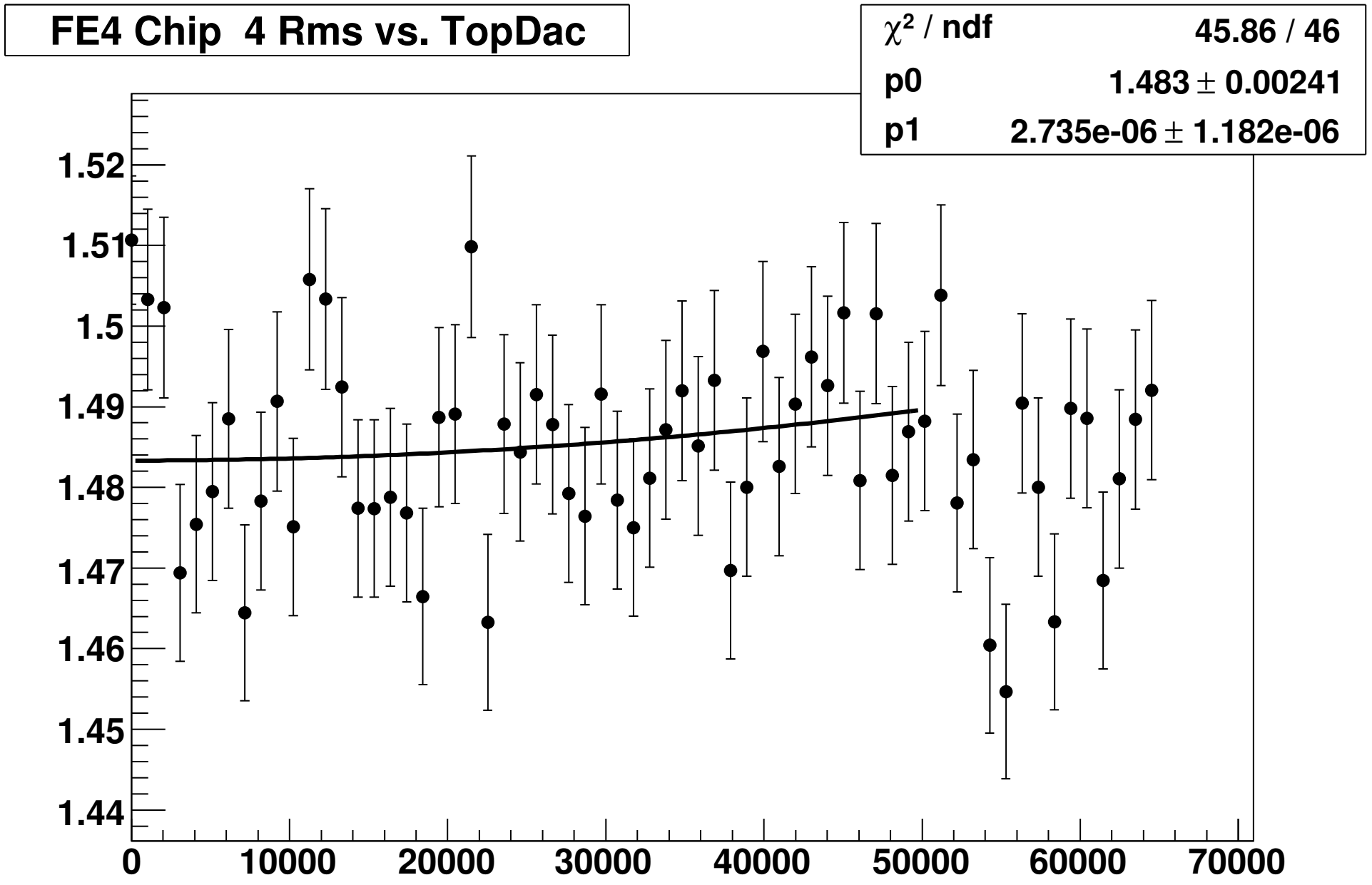

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 3715 / 46
p0 51.51 ± 0.004592
p1 2.181e-05 ± 1.595e-07
52.6
52.4
52.2
52
51.8
51.6
51.4
51.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 45.86 / 46
p0 1.483 ± 0.00241
p1 2.735e-06 ± 1.182e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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20000
30000
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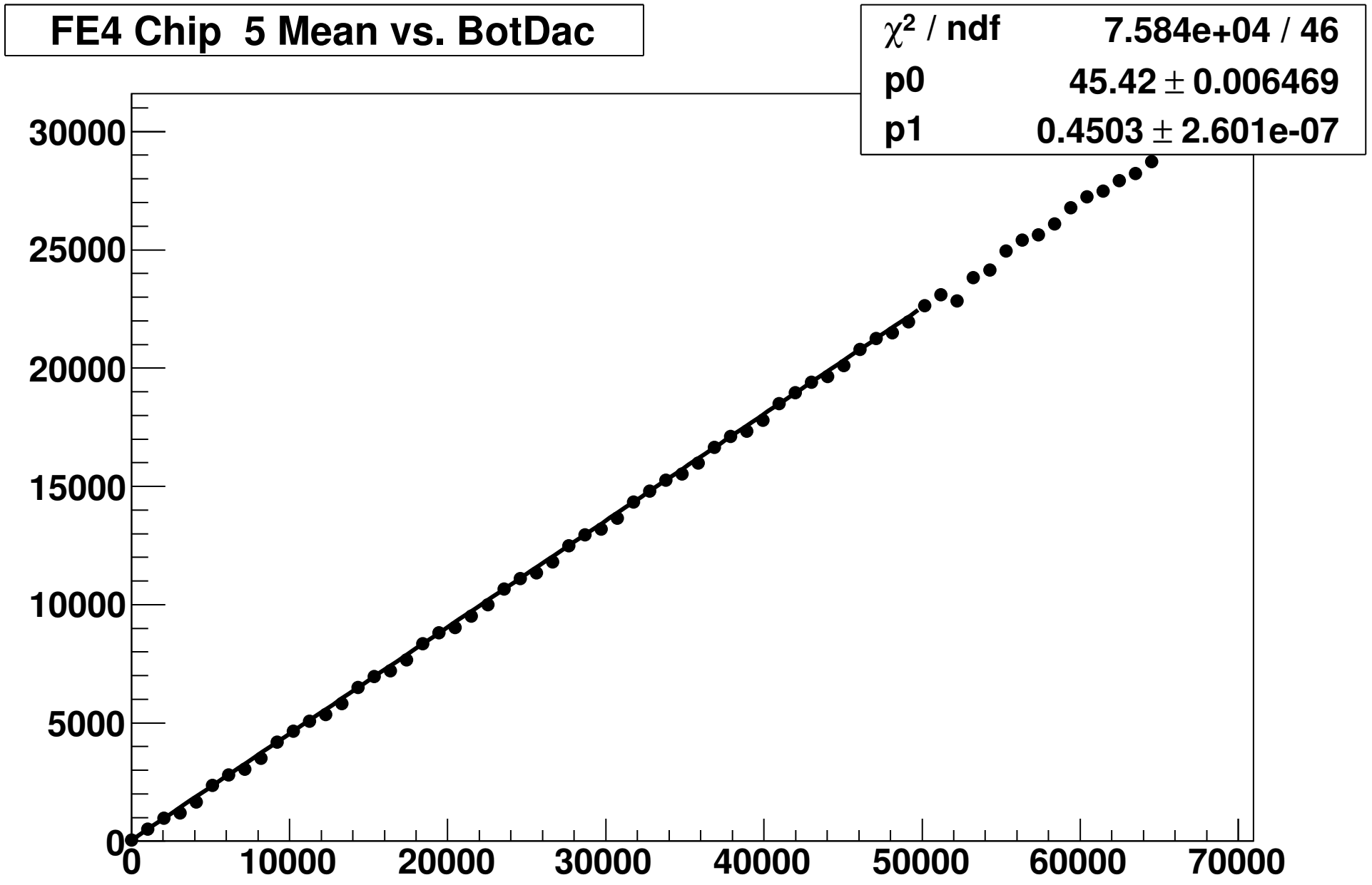
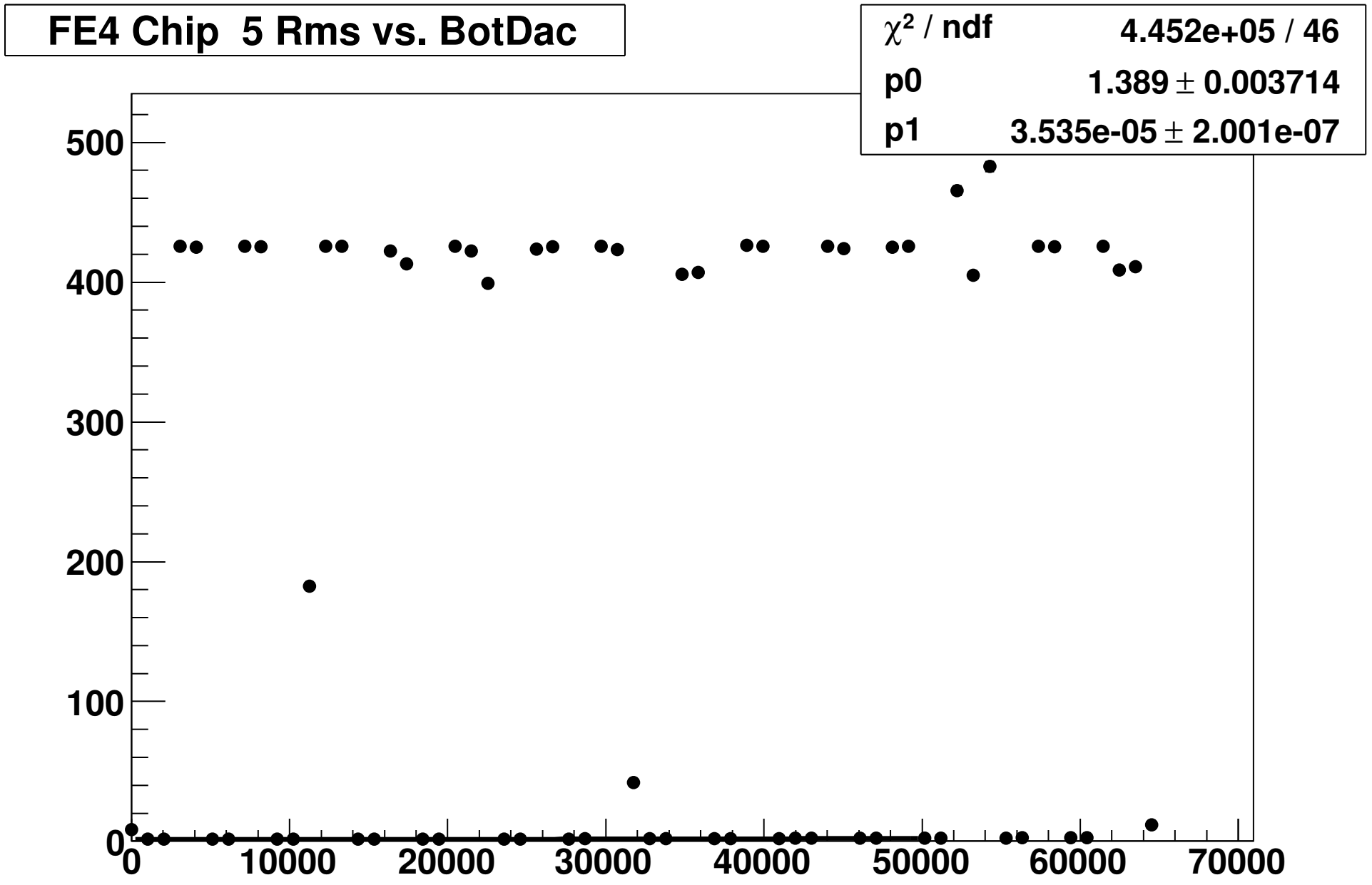
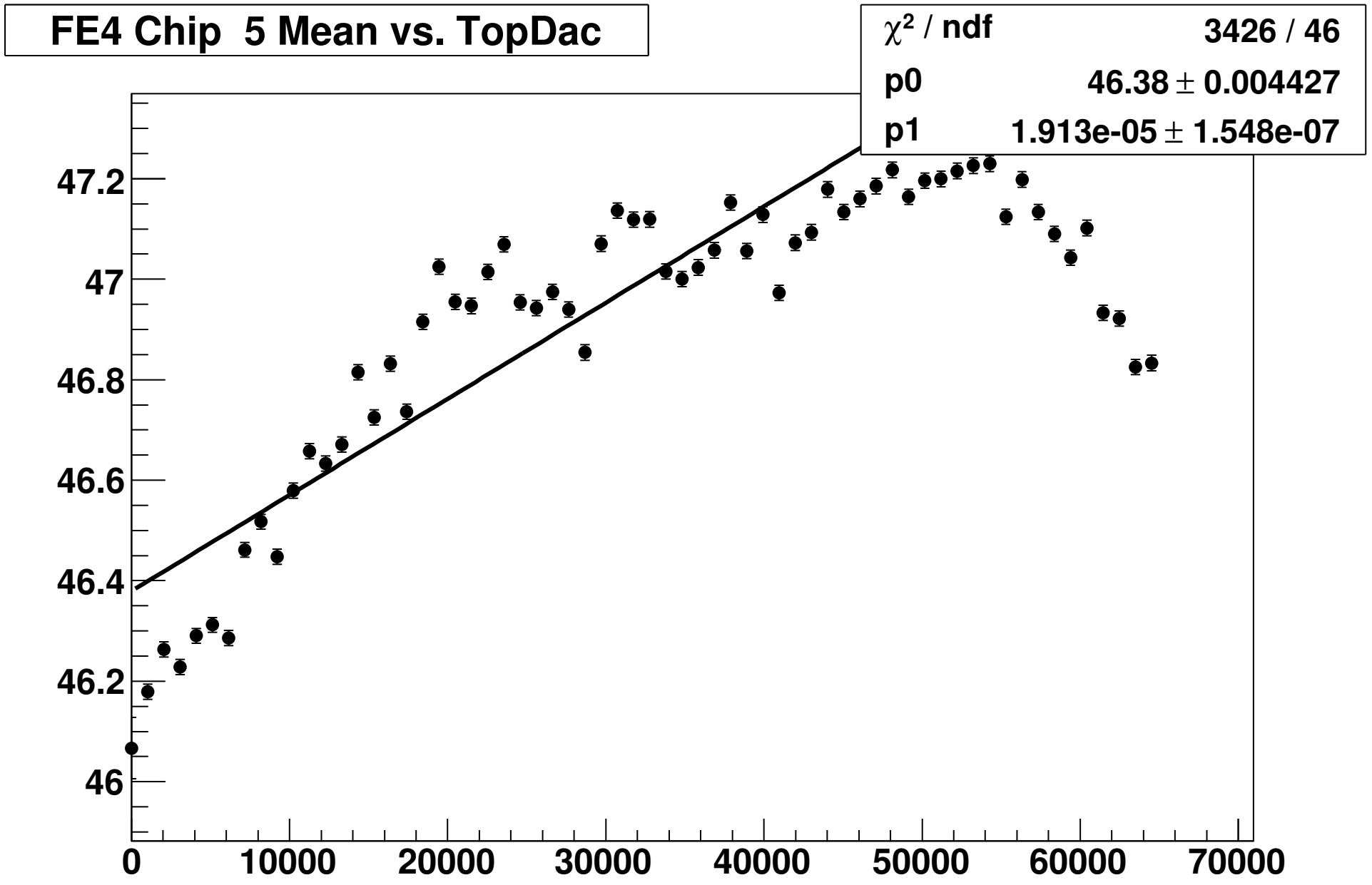
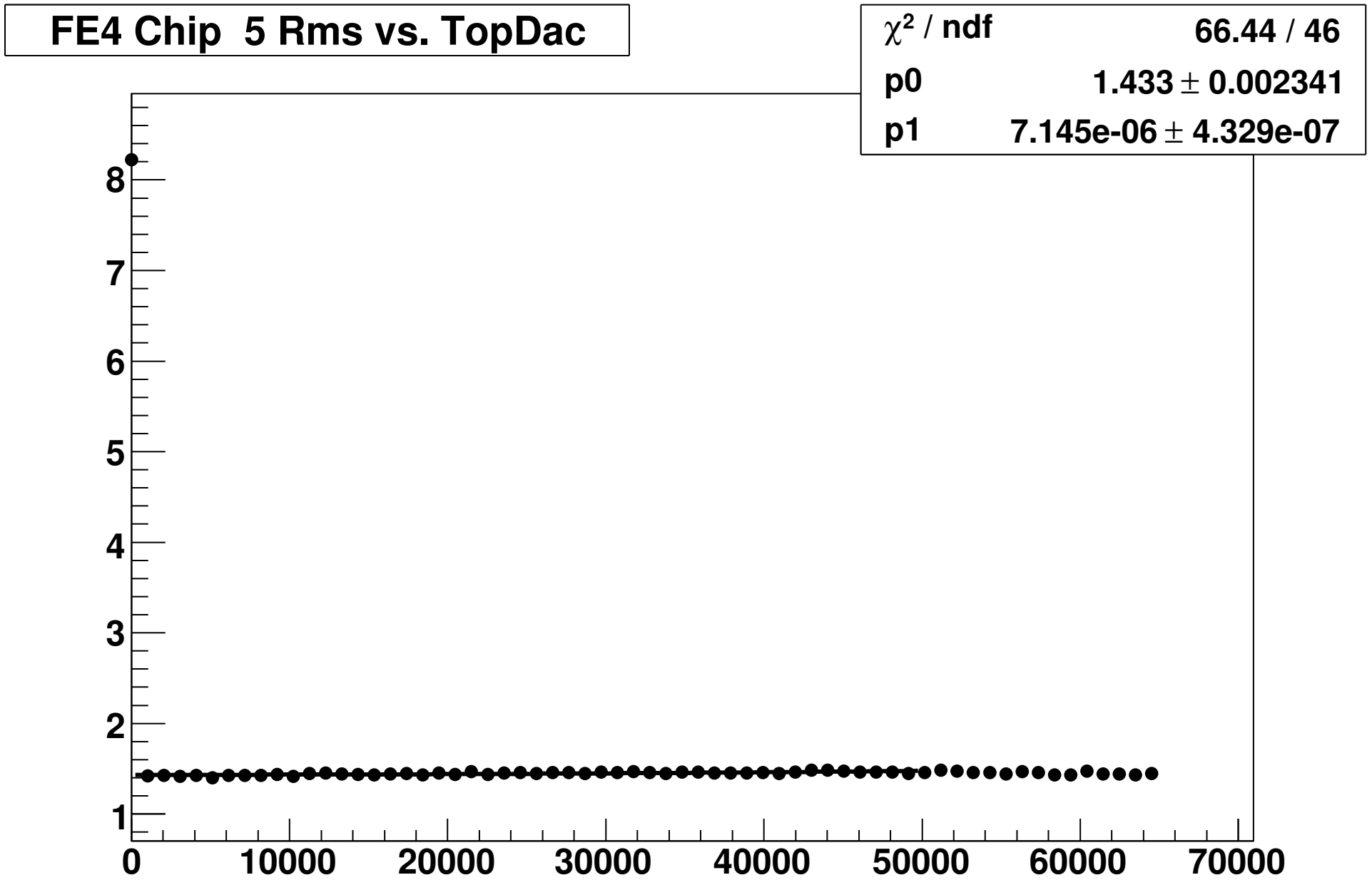
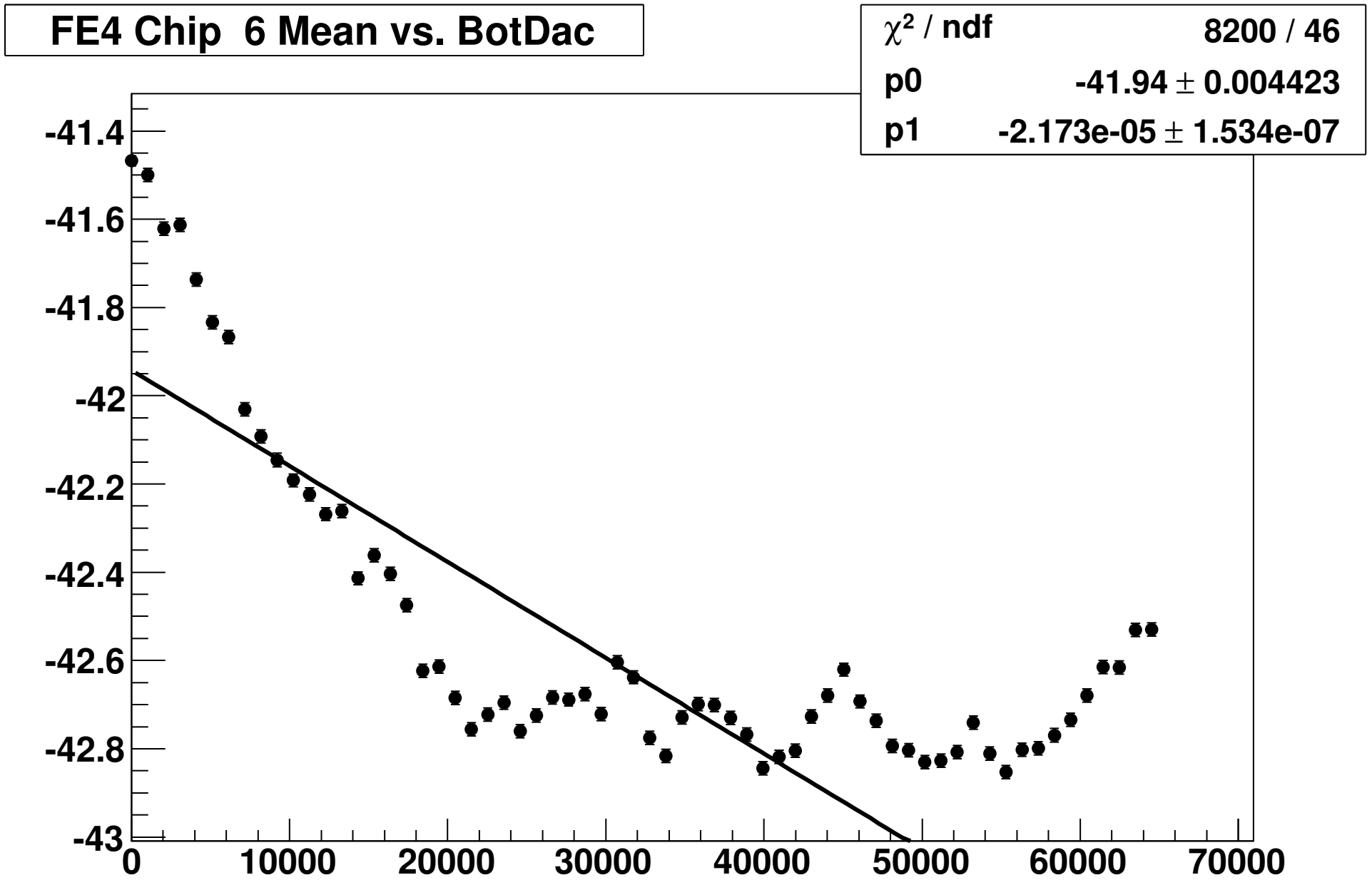
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 7.584e+04 / 46
p0 45.42 ± 0.006469
p1 0.4503 ± 2.601e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 4.452e+05 / 46
p0 1.389 ± 0.003714
p1 3.535e-05 ± 2.001e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 3426 / 46
p0 46.38 ± 0.004427
p1 1.913e-05 ± 1.548e-07
47.2
47
46.8
46.6
46.4
46.2
46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 66.44 / 46
p0 1.433 ± 0.002341
p1 7.145e-06 ± 4.329e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 8200 / 46
p0 -41.94 ± 0.004423
p1 -2.173e-05 ± 1.534e-07
-41.4
-41.6
-41.8
-42
-42.2
-42.4
-42.6
-42.8
-43
0
10000
20000
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50000
60000
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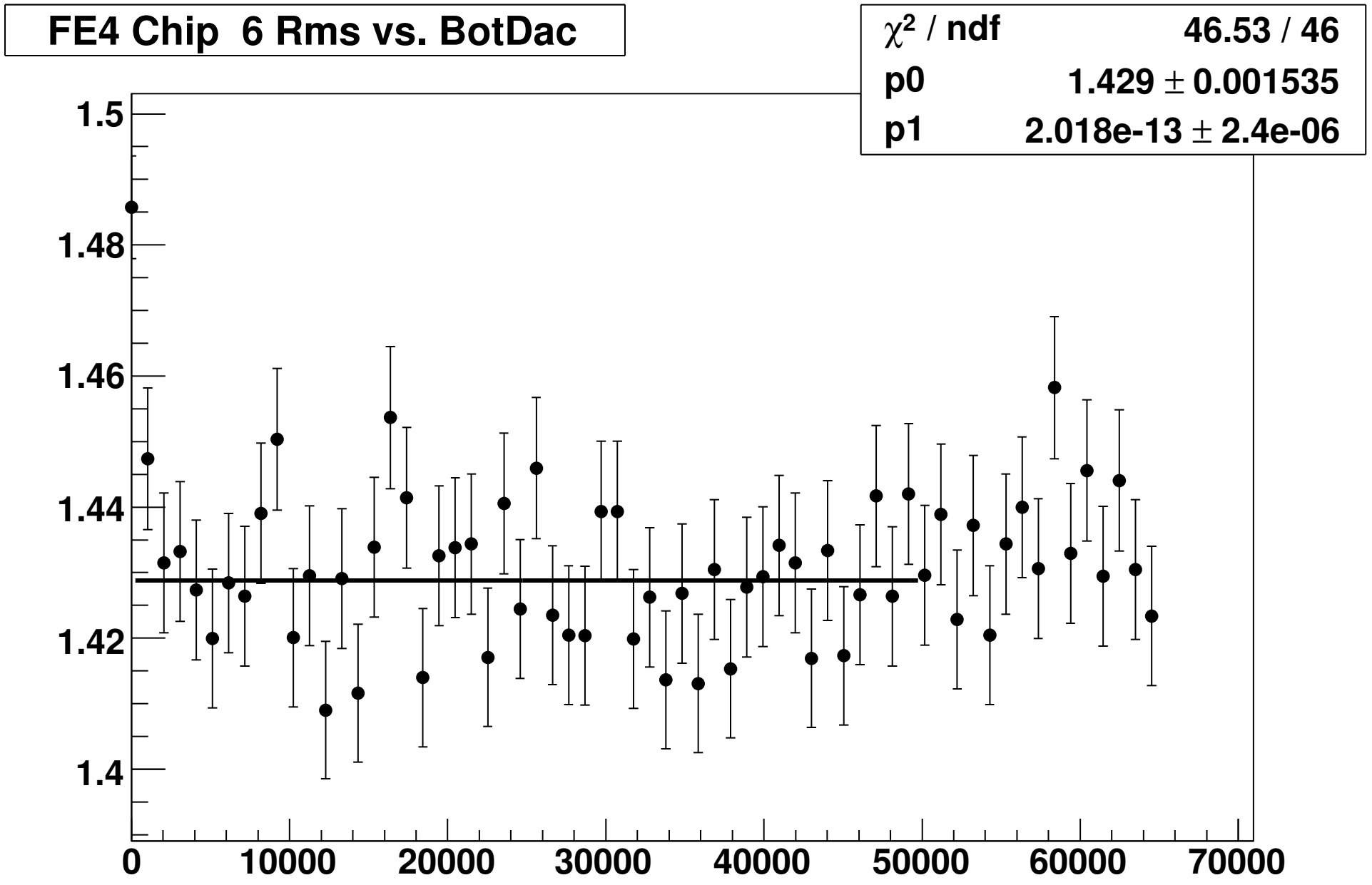
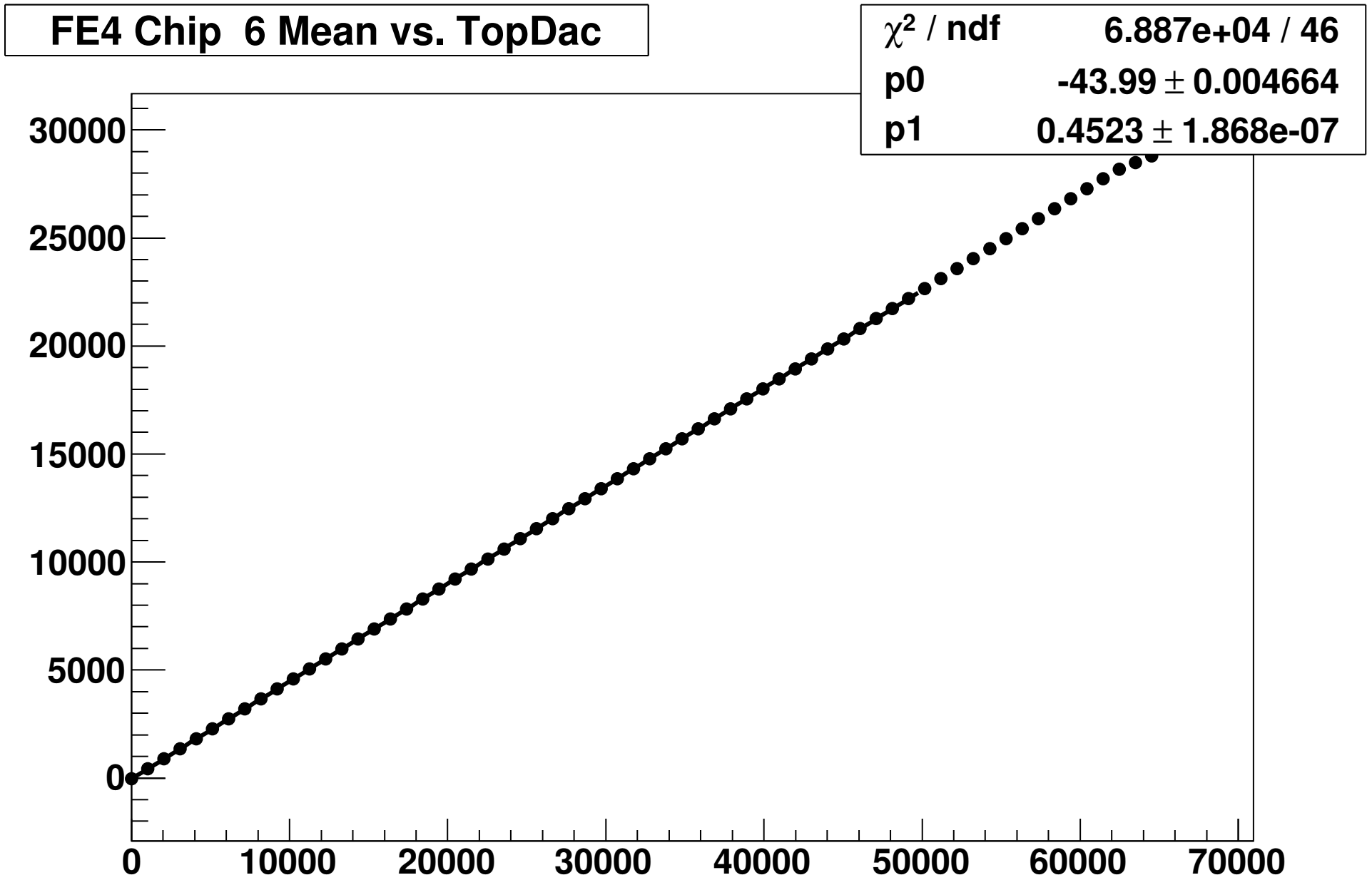
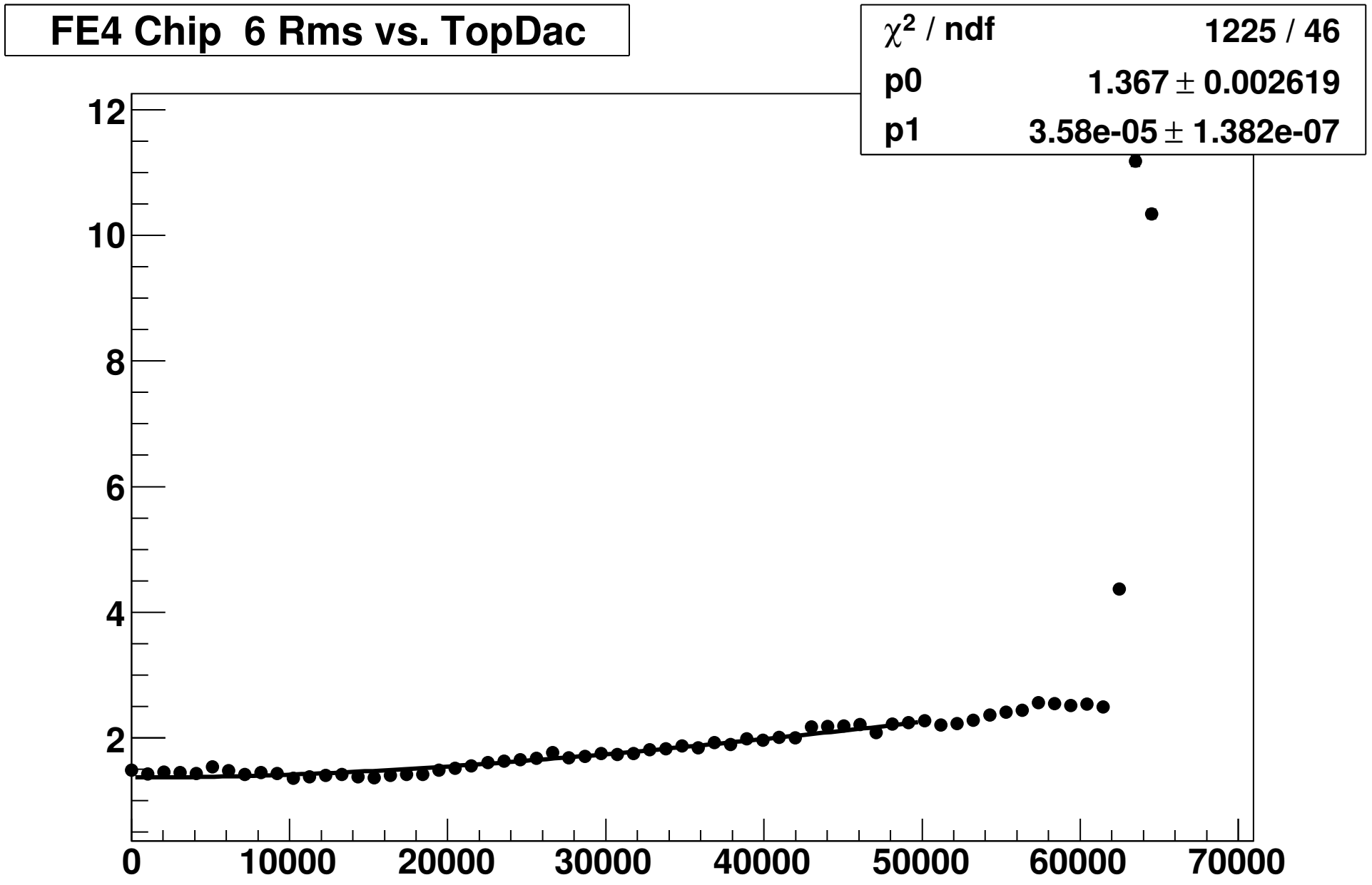
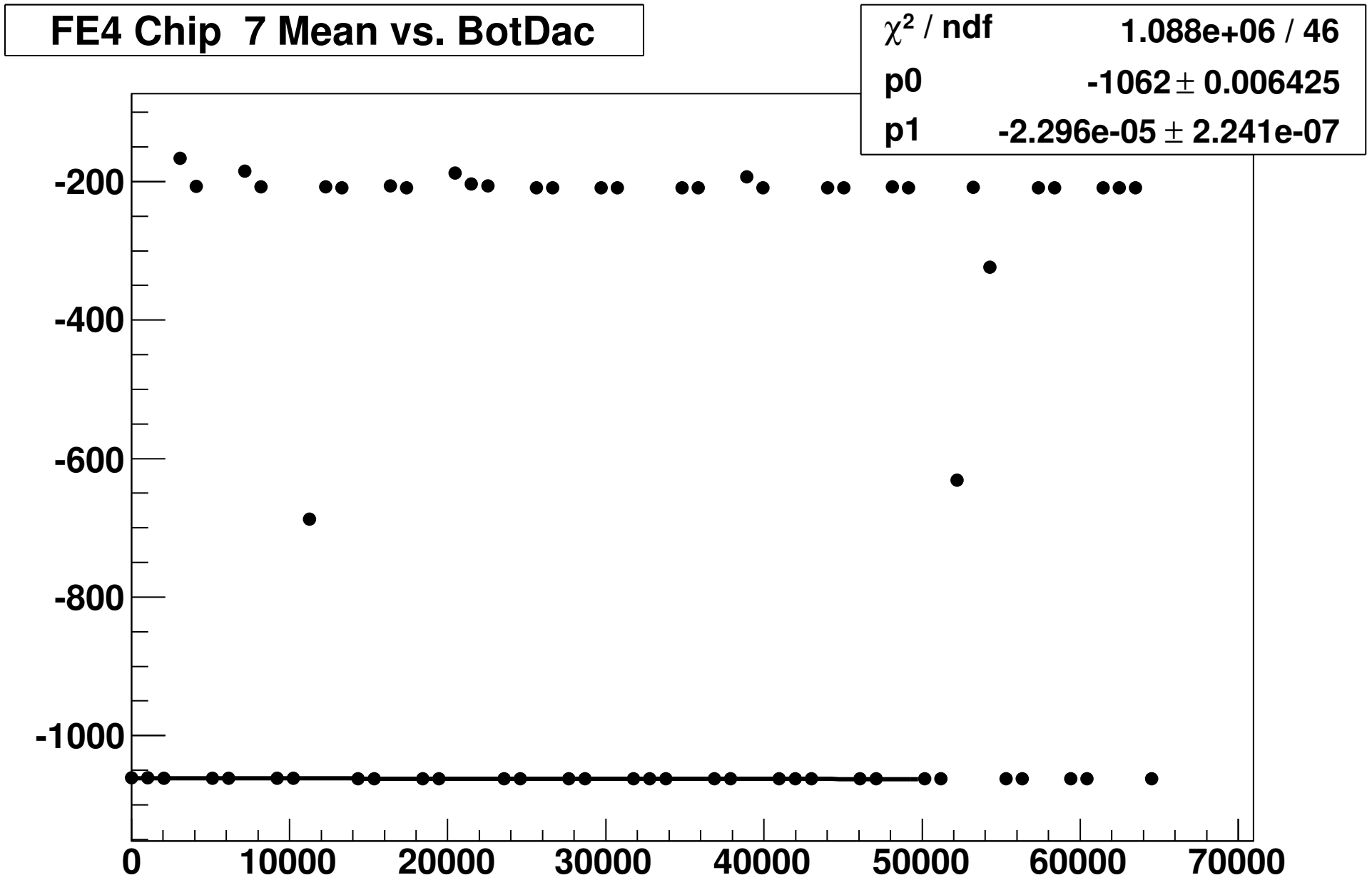
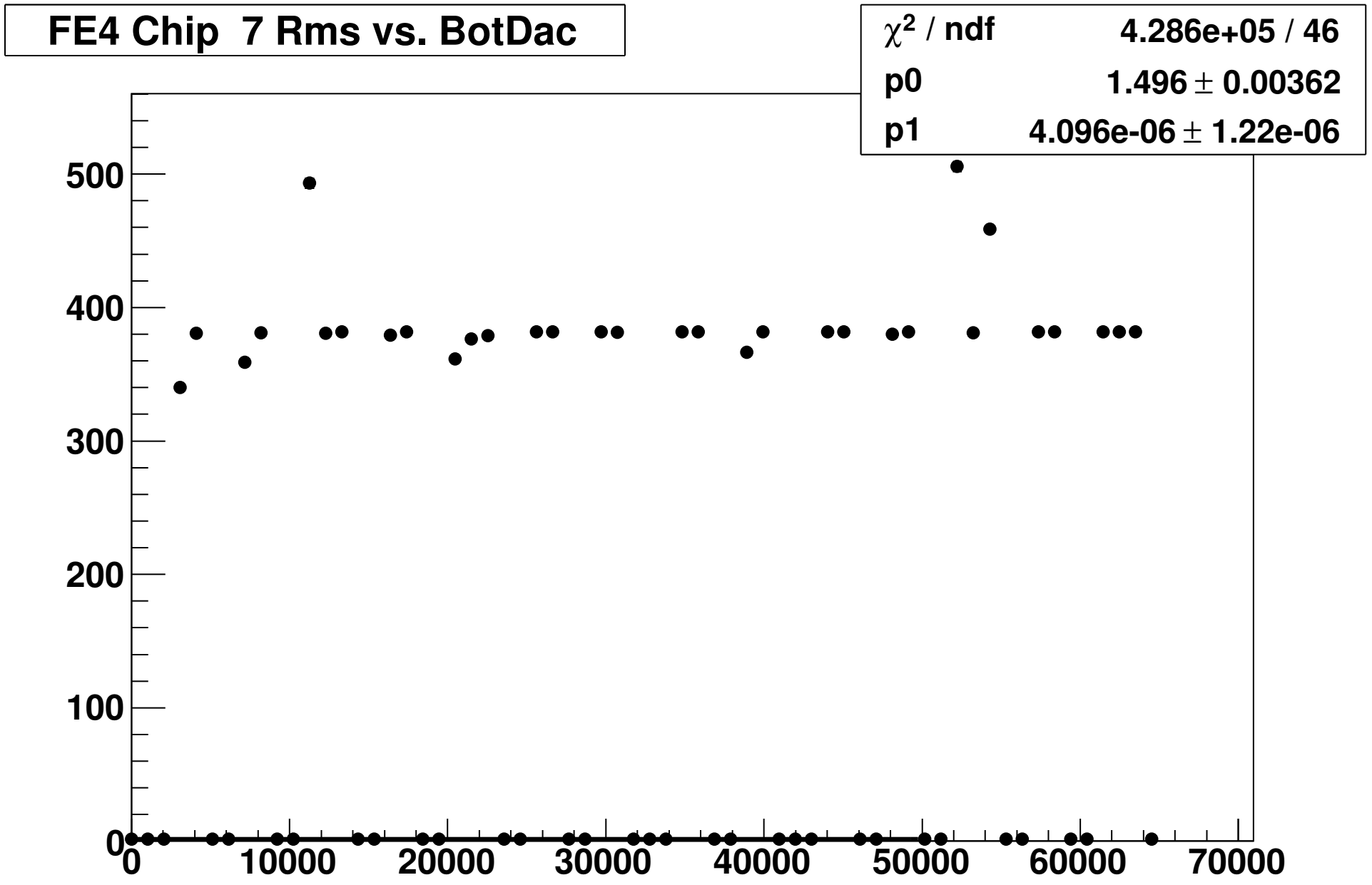
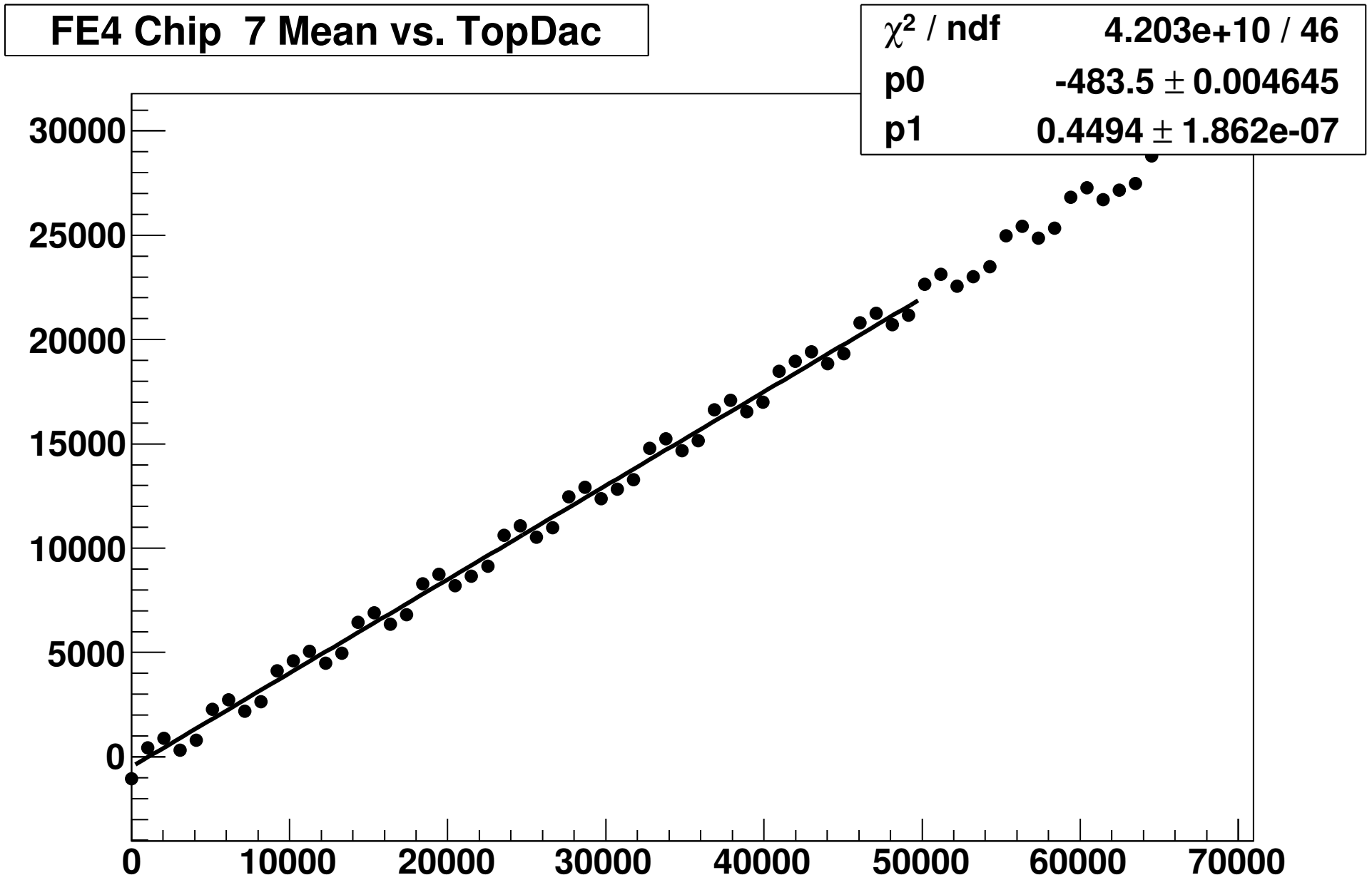

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 46.53 / 46
p0 1.429 ± 0.001535
p1 2.018e-13 ± 2.4e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 6.887e+04 / 46
p0 -43.99 ± 0.004664
p1 0.4523 ± 1.868e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1225 / 46
p0 1.367 ± 0.002619
p1 3.58e-05 ± 1.382e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 1.088e+06 / 46
p0 -1062 ± 0.006425
p1 -2.296e-05 ± 2.241e-07
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 4.286e+05 / 46
p0 1.496 ± 0.00362
p1 4.096e-06 ± 1.22e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 4.203e+10 / 46
p0 -483.5 ± 0.004645
p1 0.4494 ± 1.862e-07
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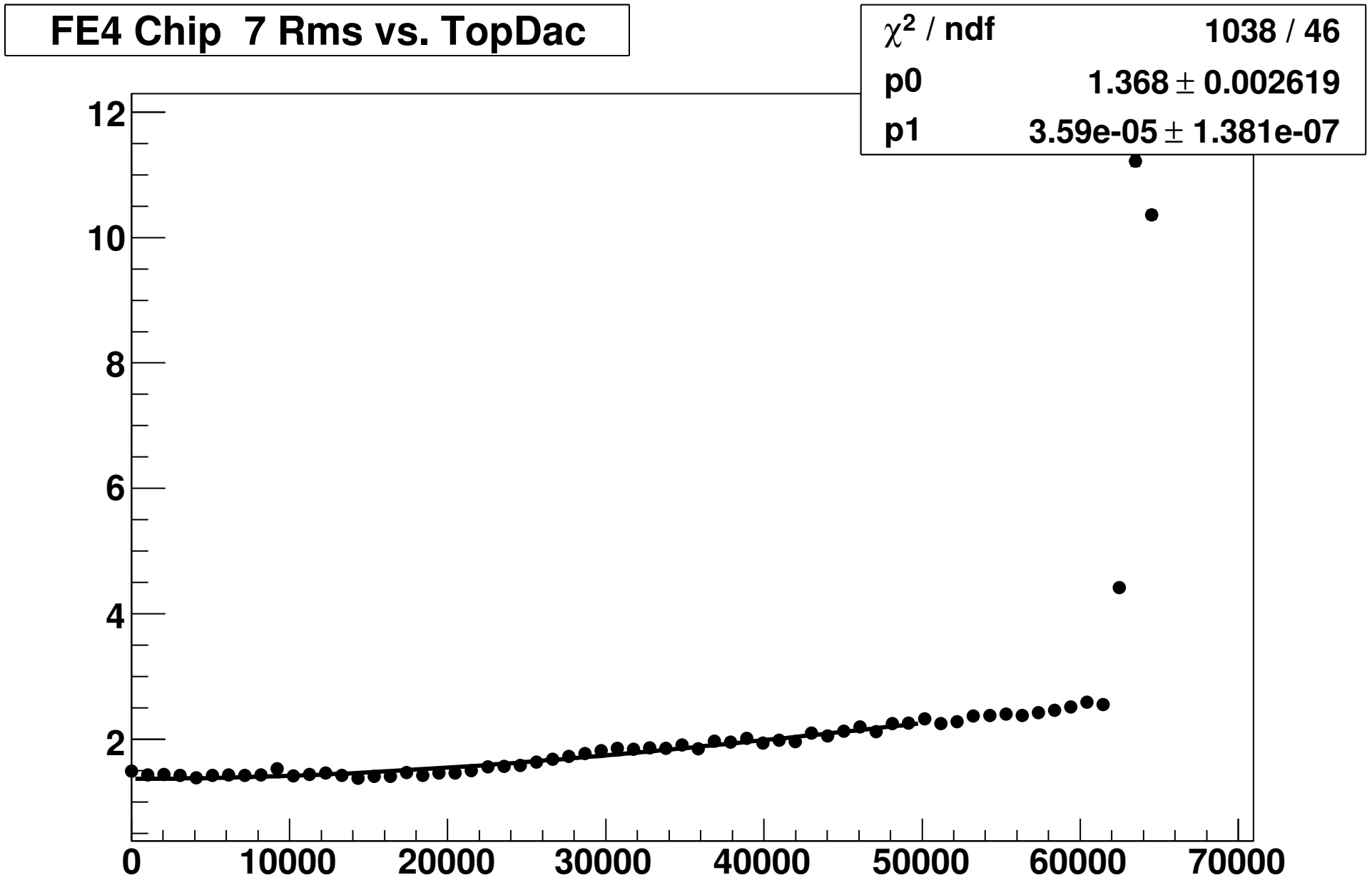
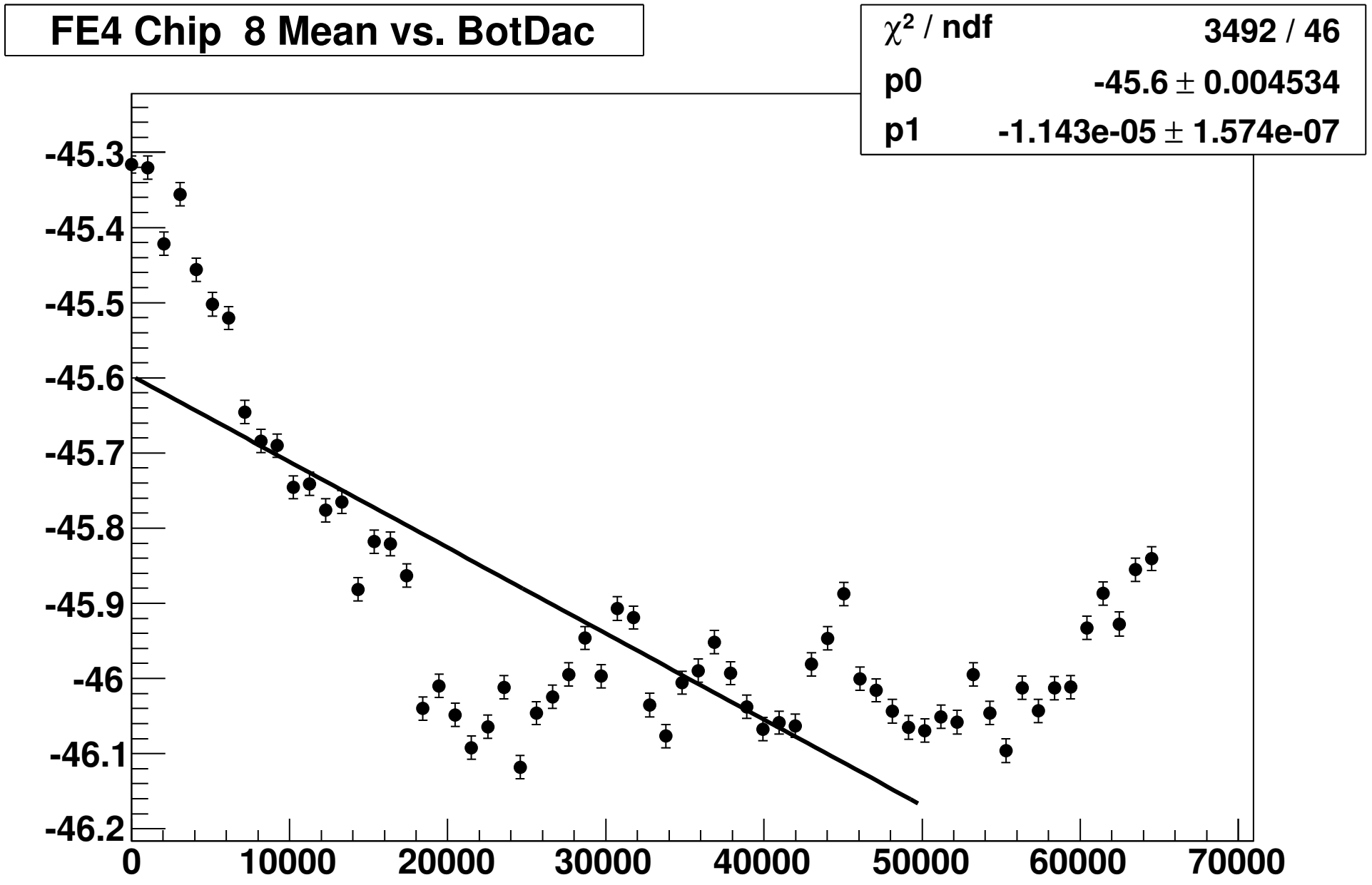
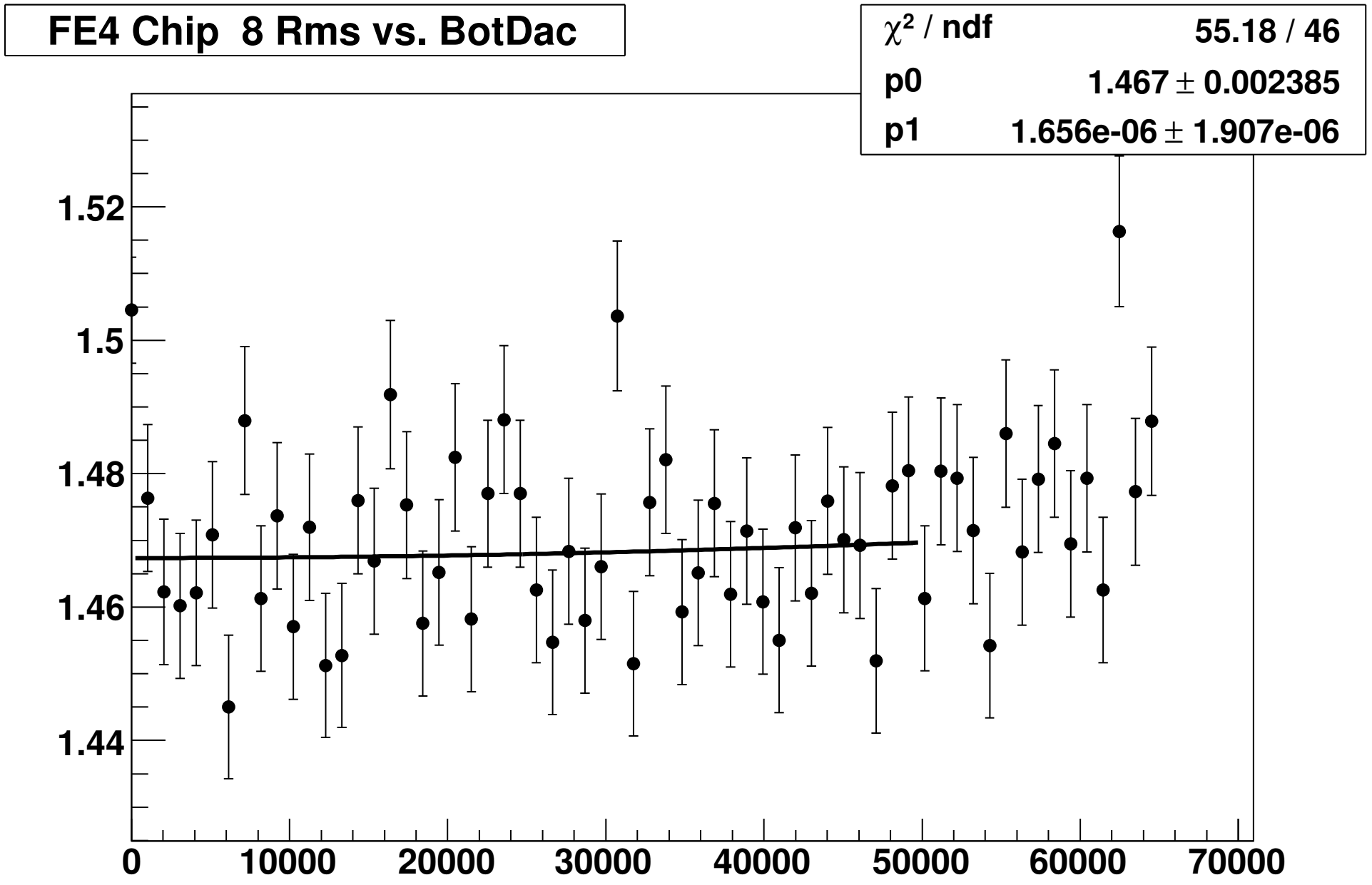
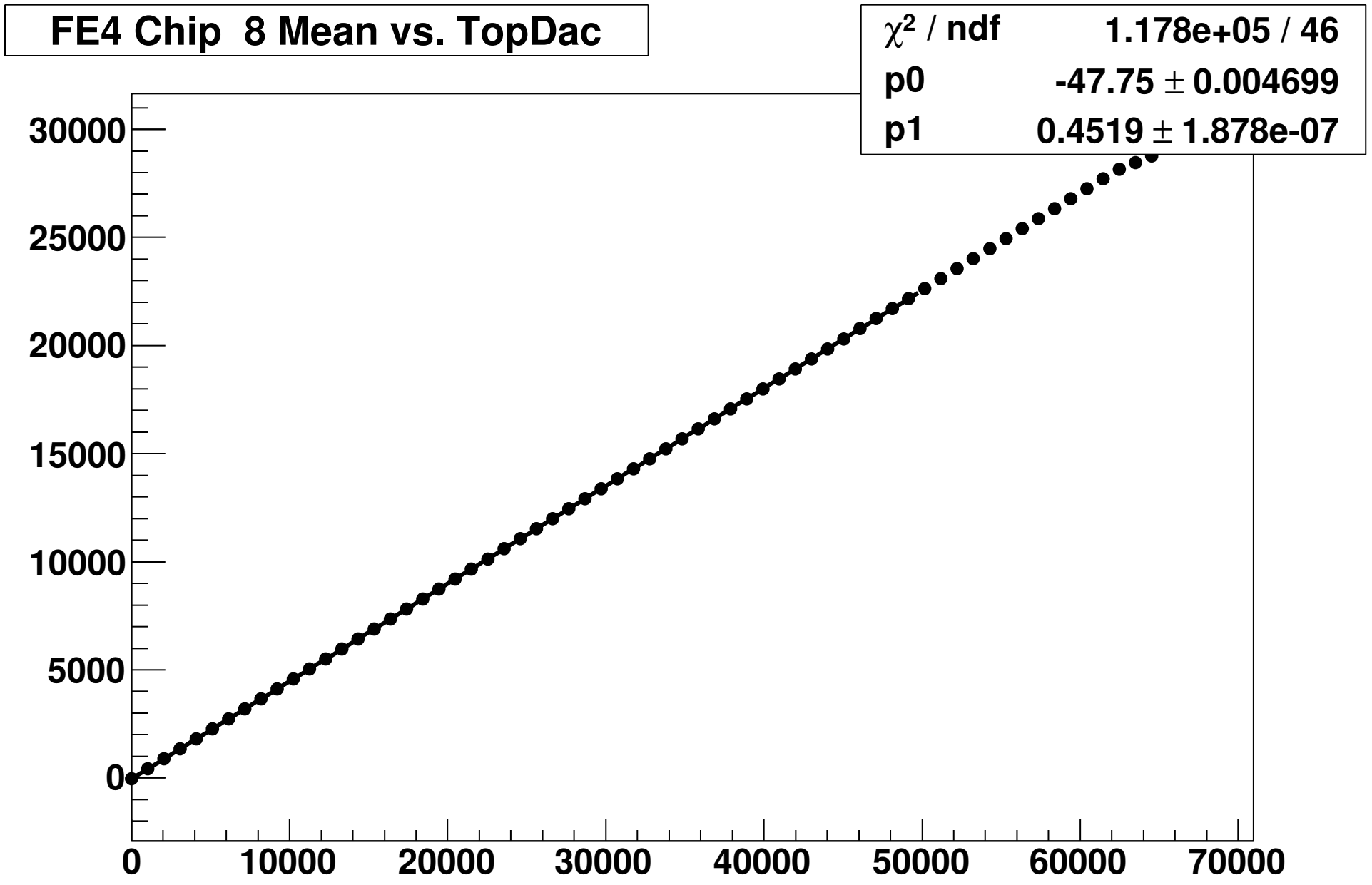
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1038 / 46
p0 1.368 ± 0.002619
p1 3.59e-05 ± 1.381e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 3492 / 46
p0 -45.6 ± 0.004534
p1 -1.143e-05 ± 1.574e-07
-45.3
-45.4
-45.5
-45.6
-45.7
-45.8
-45.9
-46
-46.1
-46.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 55.18 / 46
p0 1.467 ± 0.002385
p1 1.656e-06 ± 1.907e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.178e+05 / 46
p0 -47.75 ± 0.004699
p1 0.4519 ± 1.878e-07
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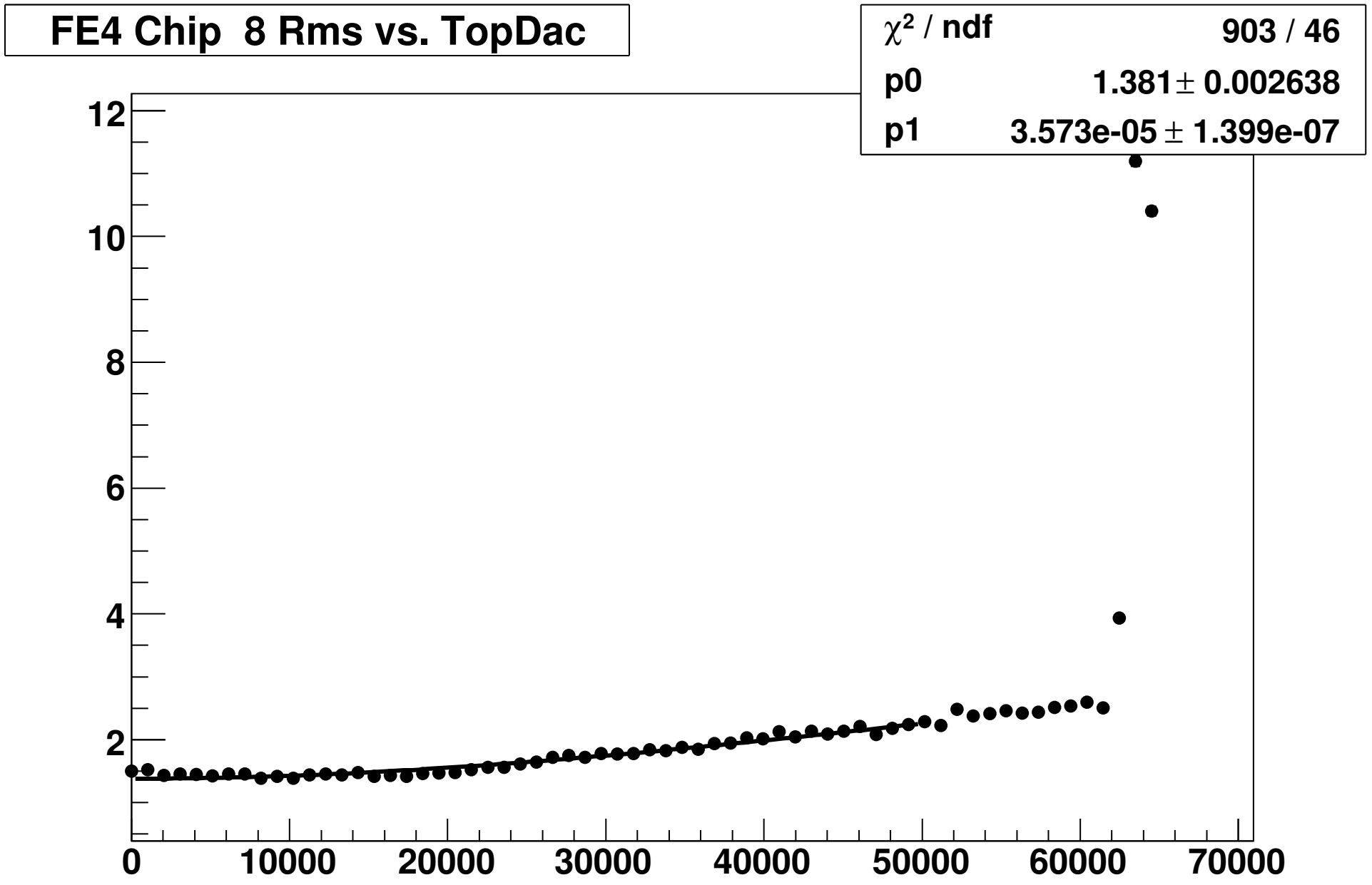
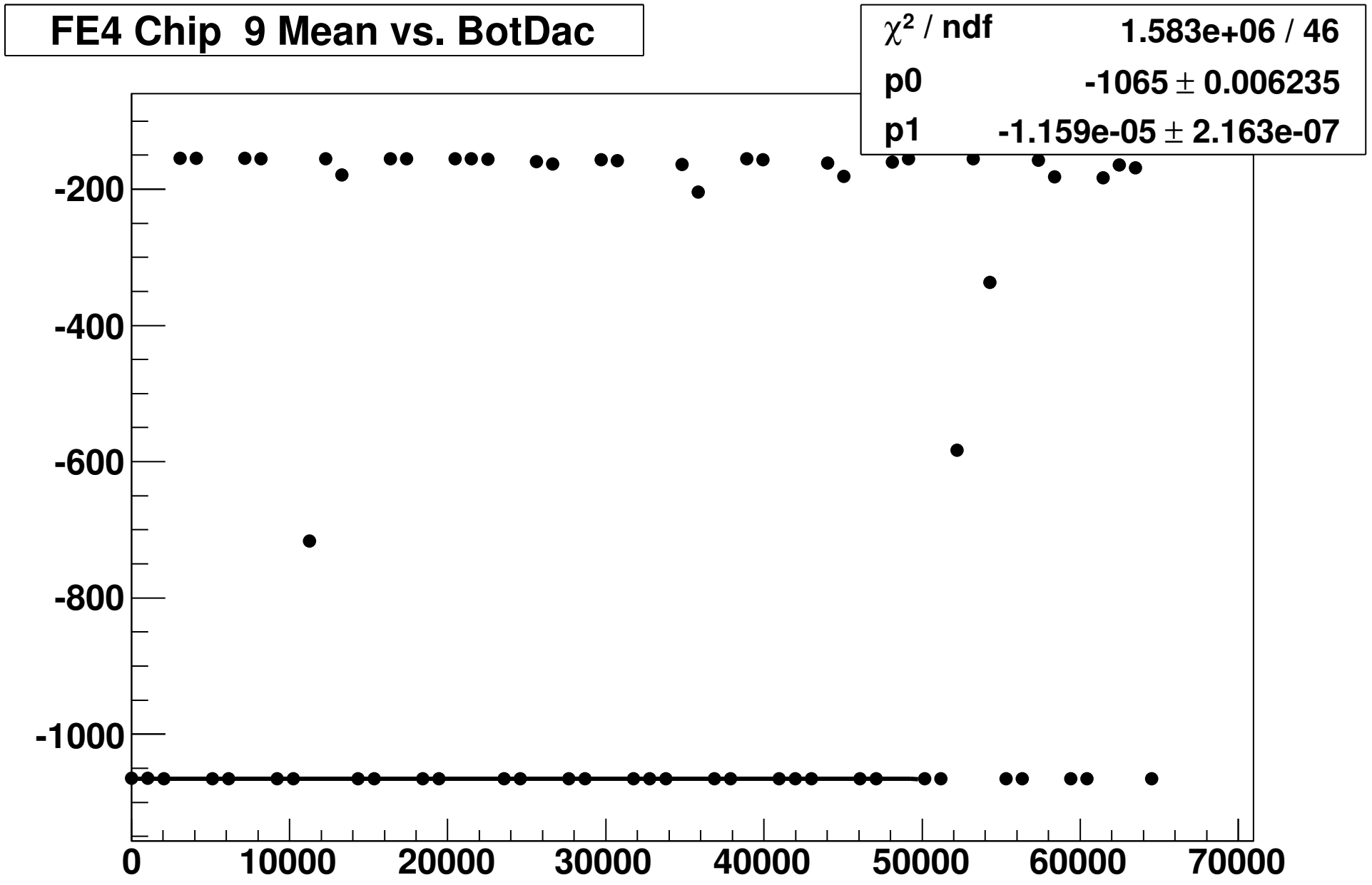
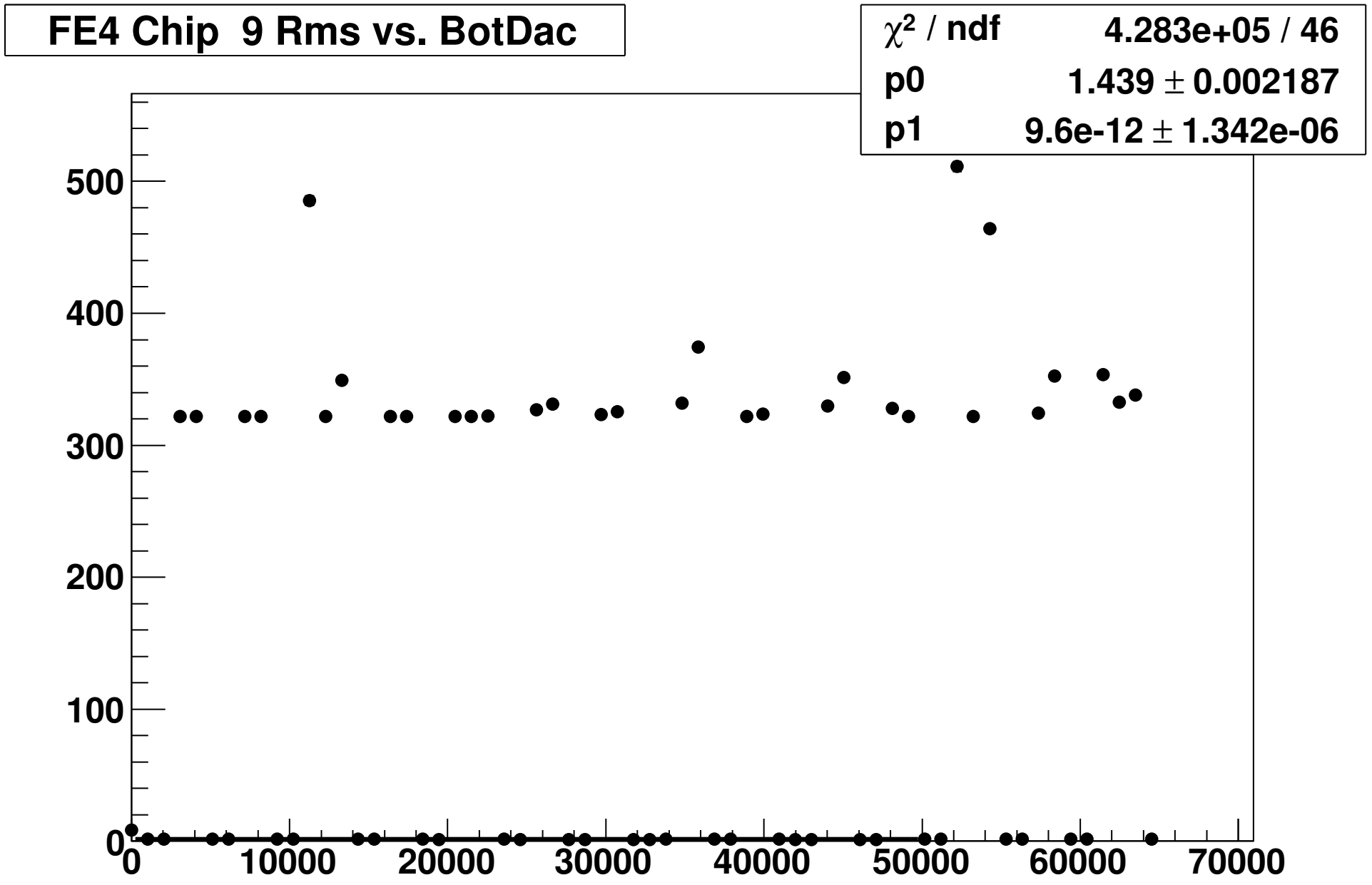
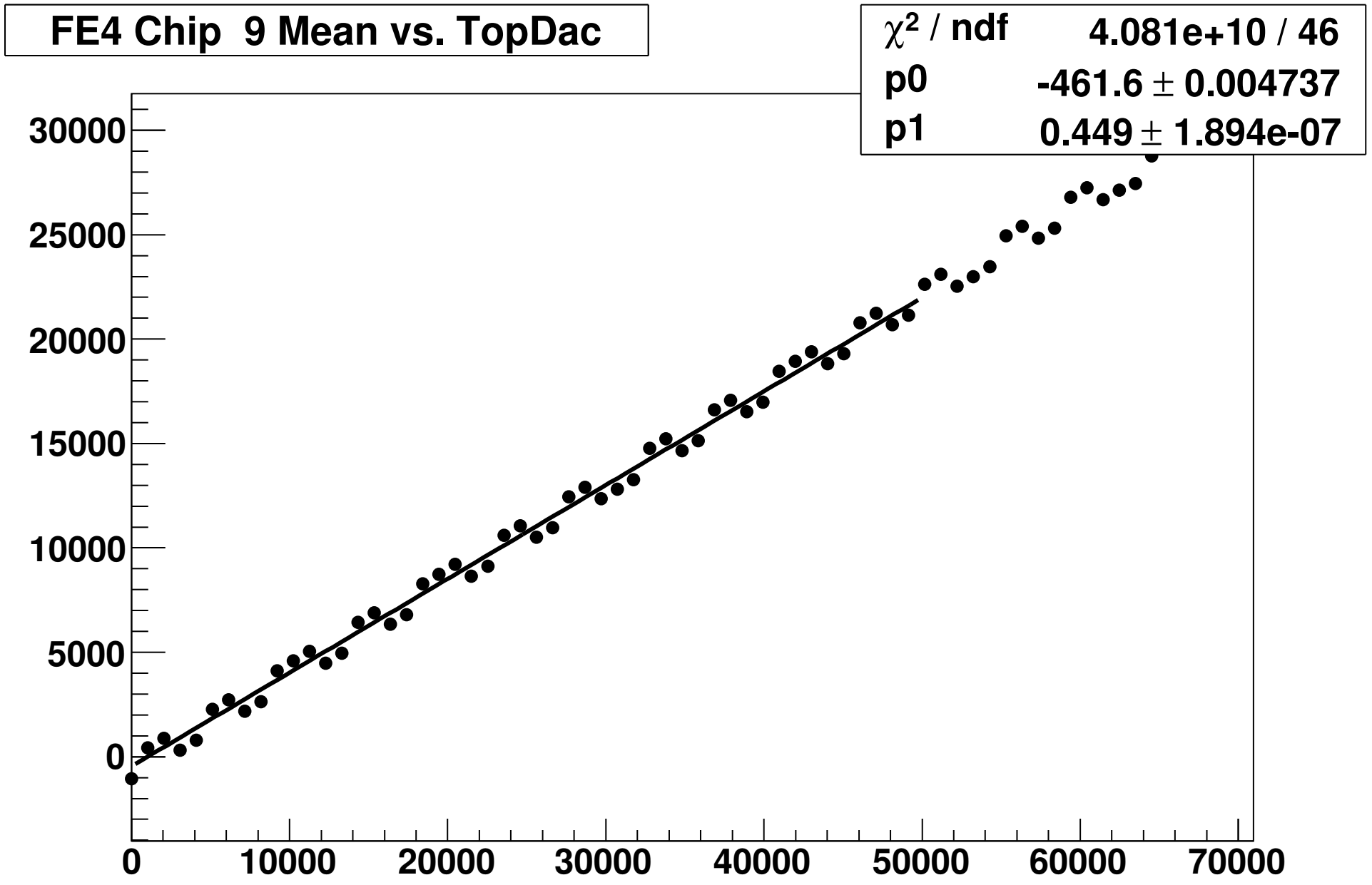
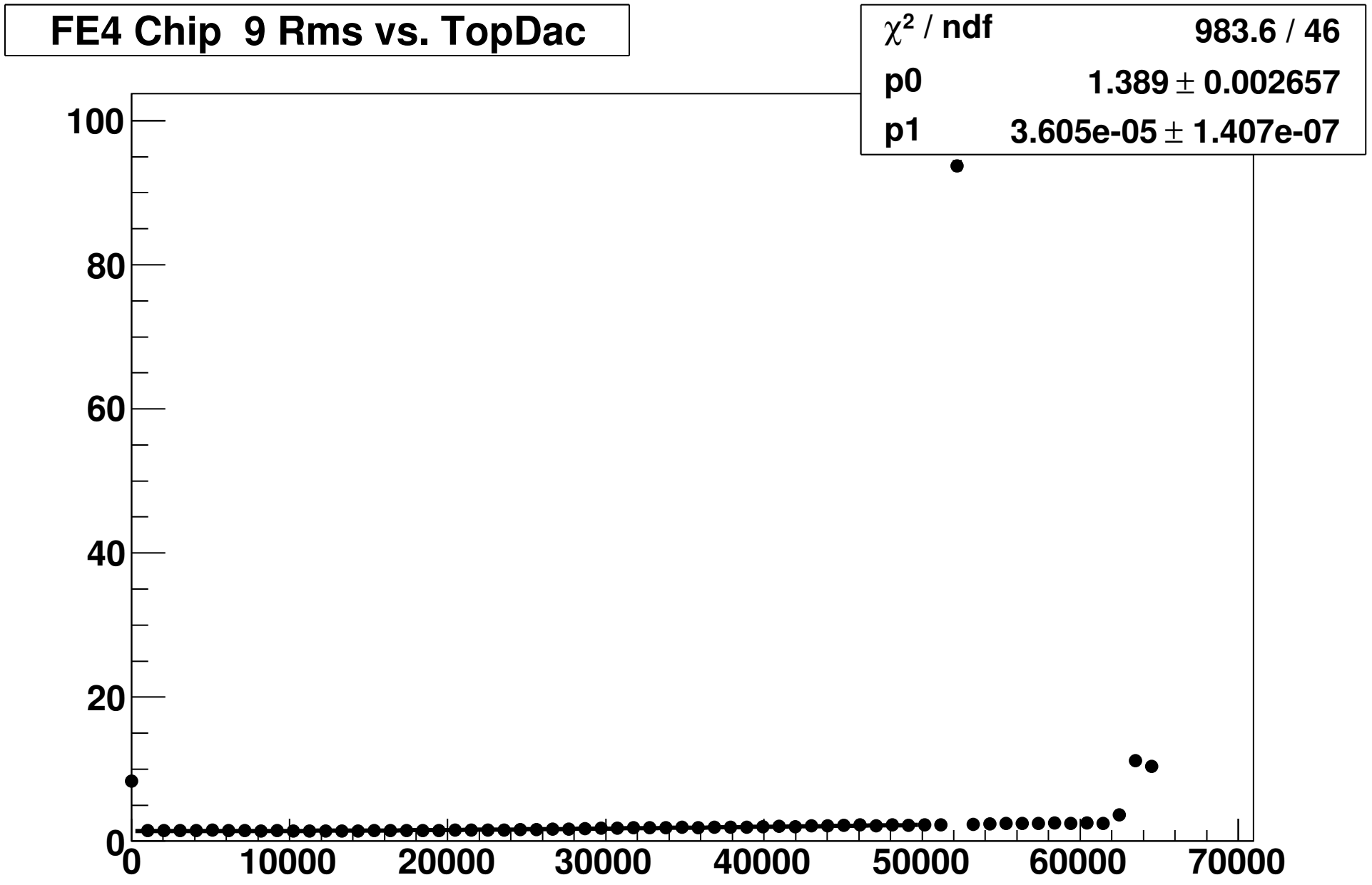
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

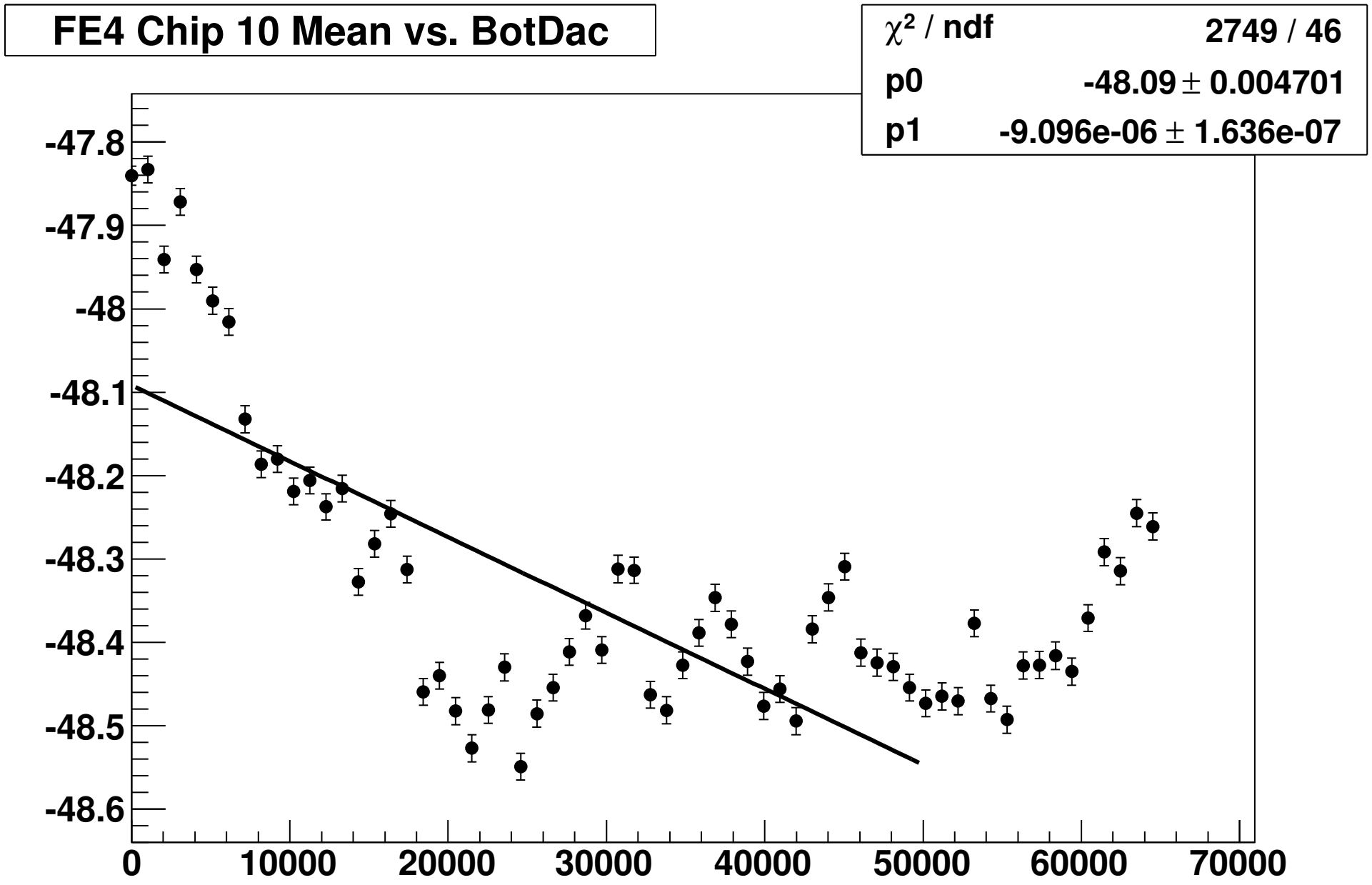

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 903 / 46
p0 1.381 ± 0.002638
p1 3.573e-05 ± 1.399e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

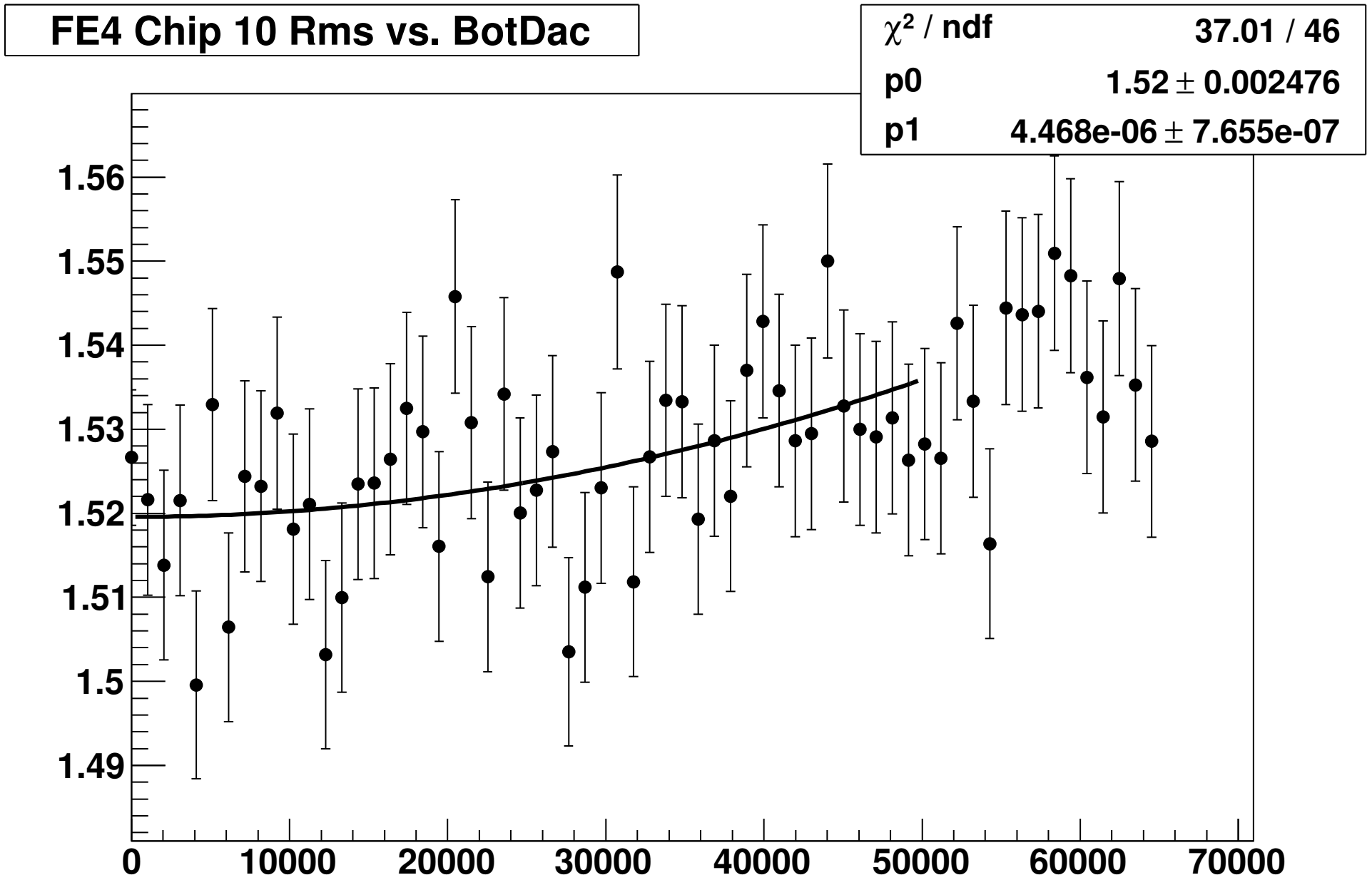

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 1.583e+06 / 46
p0 -1065 ± 0.006235
p1 -1.159e-05 ± 2.163e-07
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 4.283e+05 / 46
p0 1.439 ± 0.002187
p1 9.6e-12 ± 1.342e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 4.081e+10 / 46
p0 -461.6 ± 0.004737
p1 0.449 ± 1.894e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 983.6 / 46
p0 1.389 ± 0.002657
p1 3.605e-05 ± 1.407e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 2749 / 46
p0 -48.09 ± 0.004701
p1 -9.096e-06 ± 1.636e-07
-47.8
-47.9
-48
-48.1
-48.2
-48.3
-48.4
-48.5
-48.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 37.01 / 46
p0 1.52 ± 0.002476
p1 4.468e-06 ± 7.655e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
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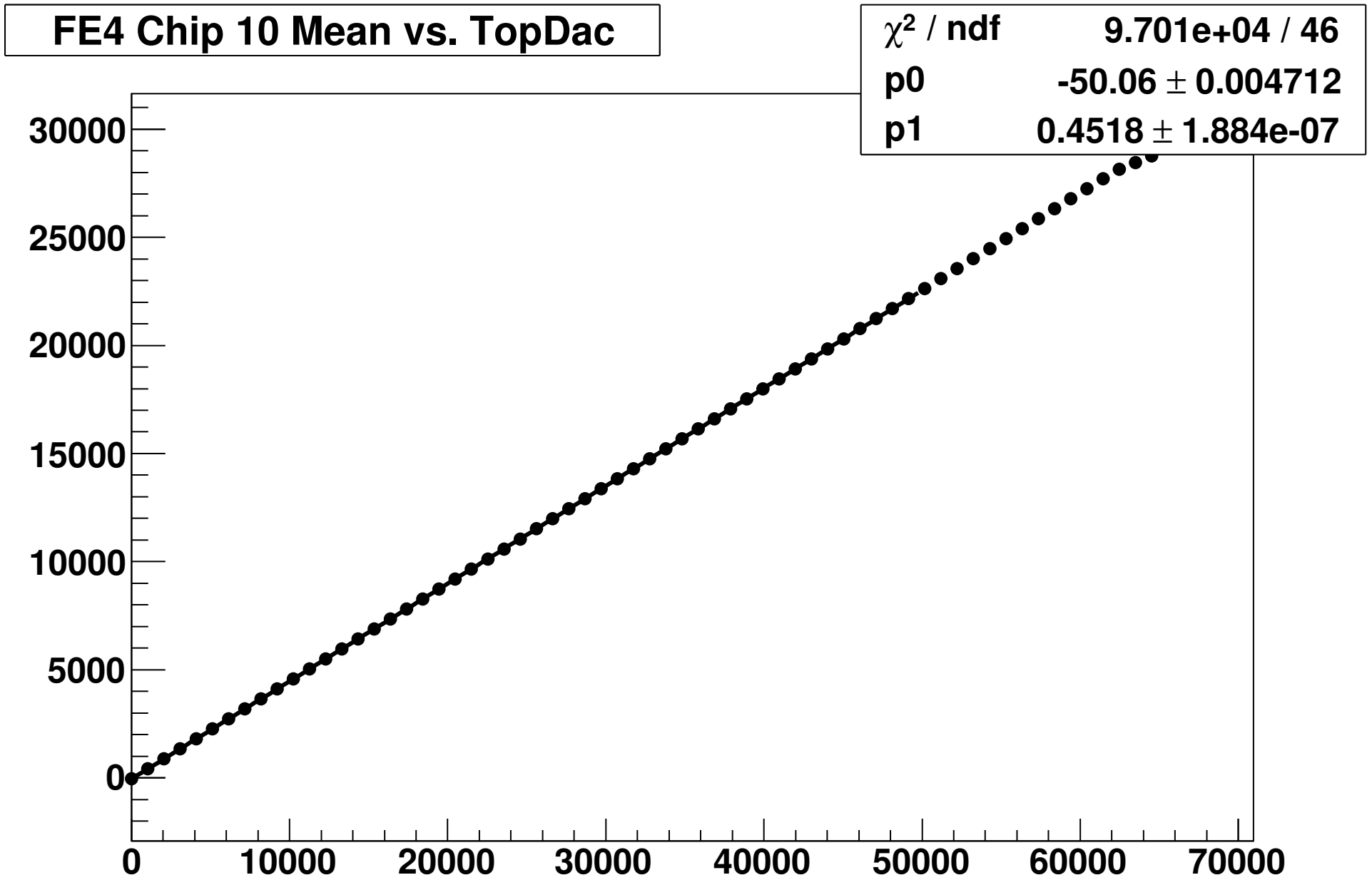
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 9.701e+04 / 46
p0 -50.06 ± 0.004712
p1 0.4518 ± 1.884e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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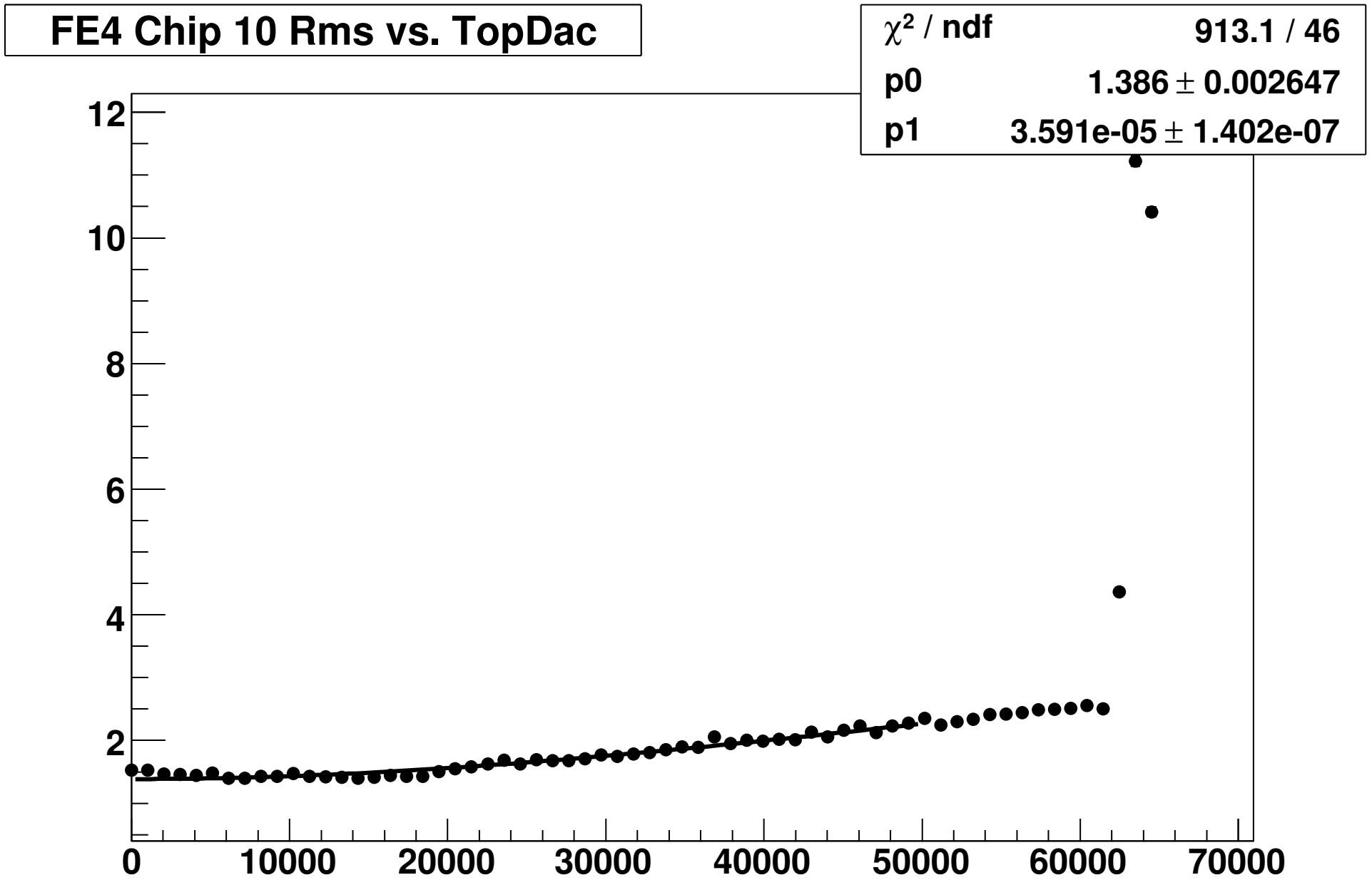
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 913.1 / 46
p0 1.386 ± 0.002647
p1 3.591e-05 ± 1.402e-07
12
10
8
6
4
2
0
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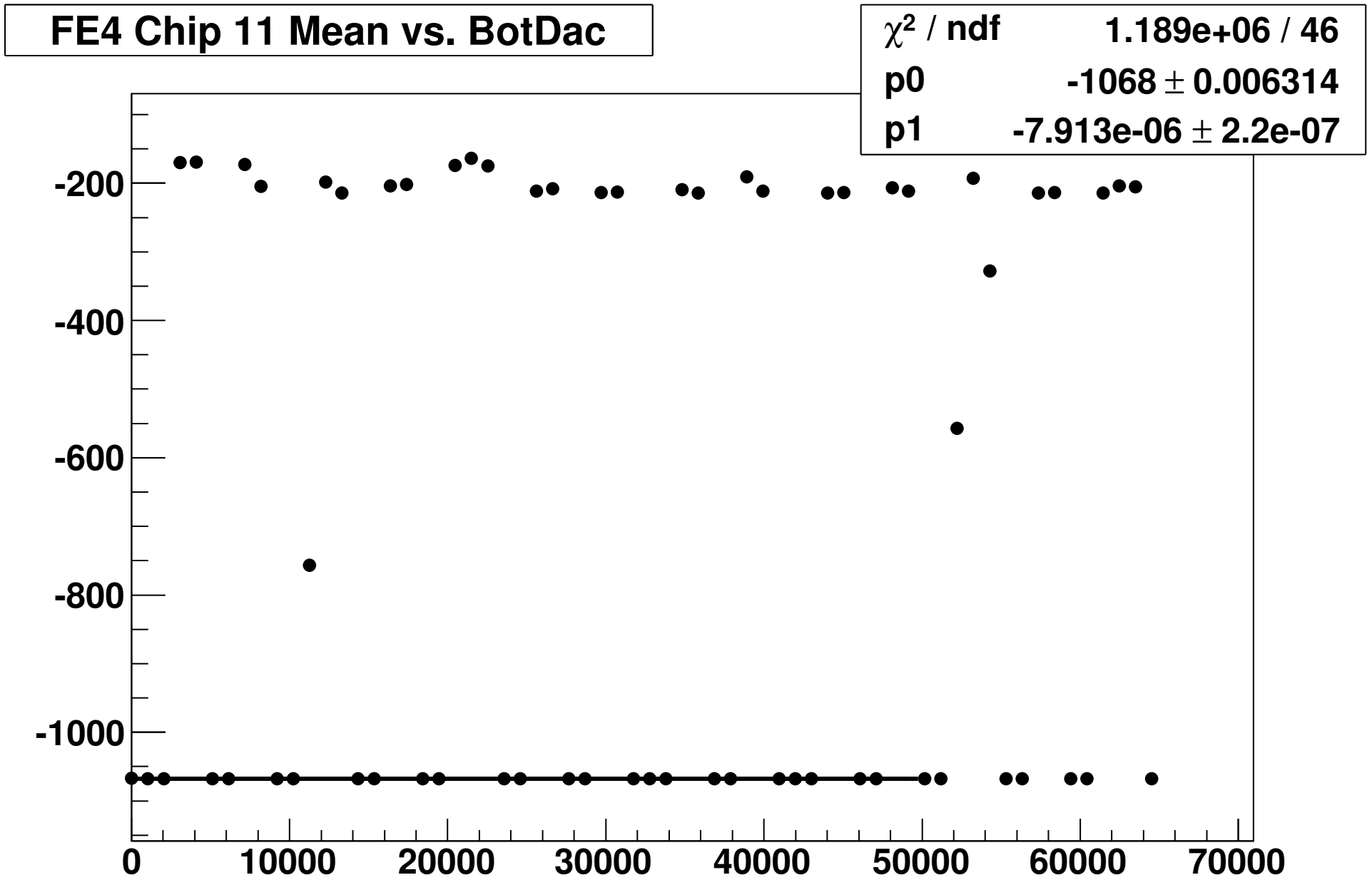
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 1.189e+06 / 46
p0 -1068 ± 0.006314
p1 -7.913e-06 ± 2.2e-07
-200
-400
-600
-800
-1000
0
10000
20000
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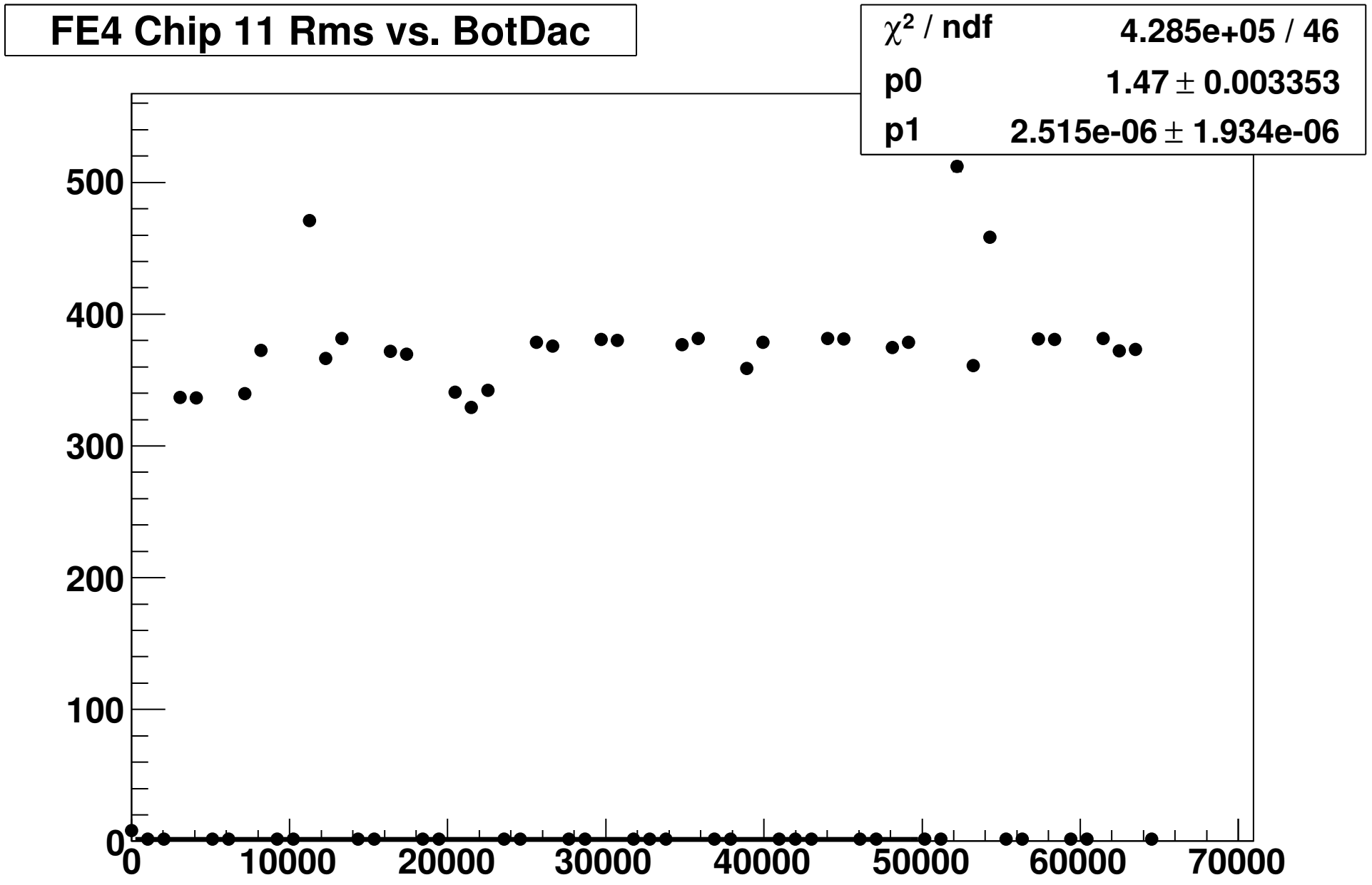
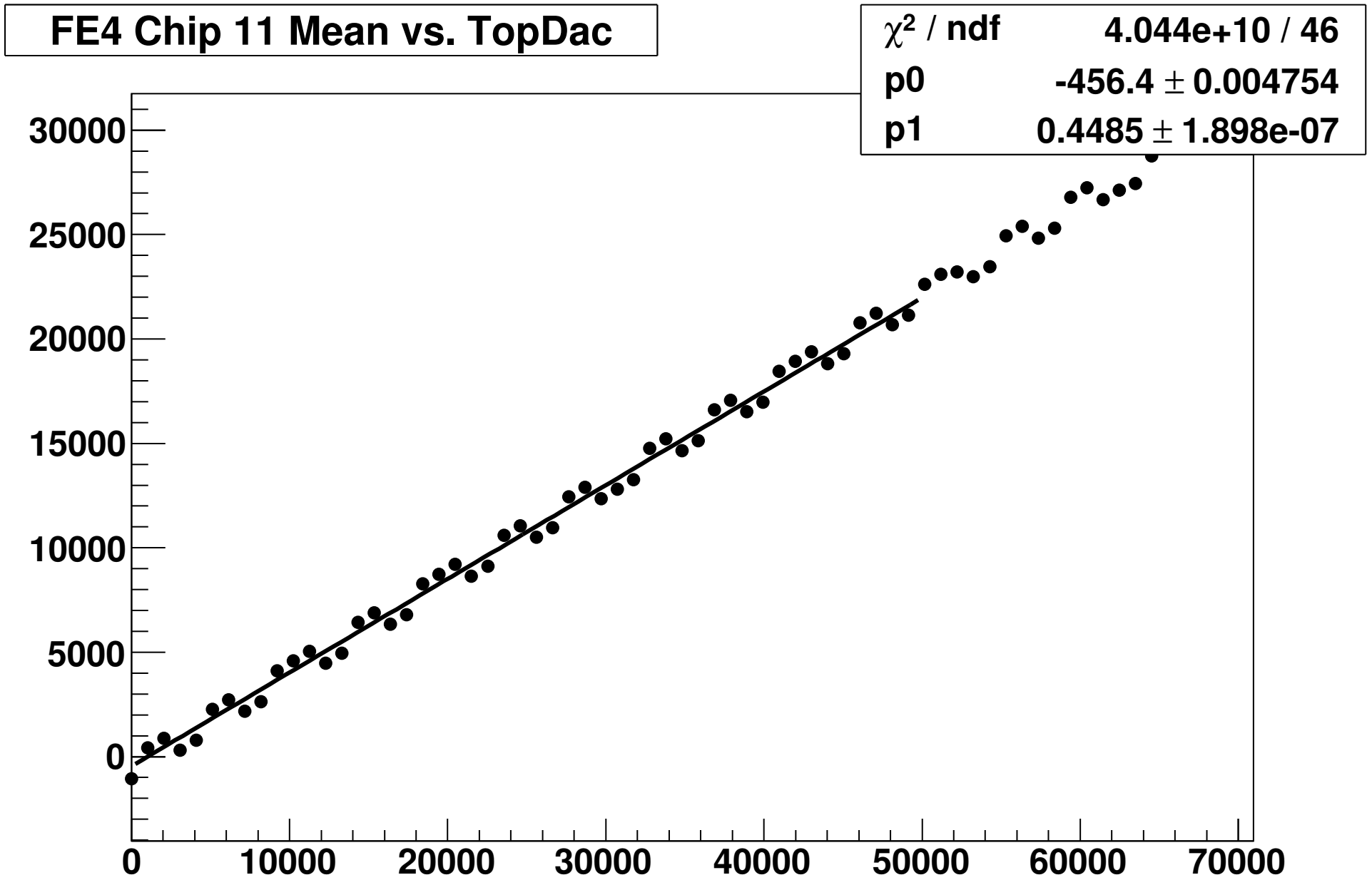
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 4.285e+05 / 46
p0 1.47 ± 0.003353
p1 2.515e-06 ± 1.934e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 4.044e+10 / 46
p0 -456.4 ± 0.004754
p1 0.4485 ± 1.898e-07
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15000
10000
5000
0
0
10000
20000
30000
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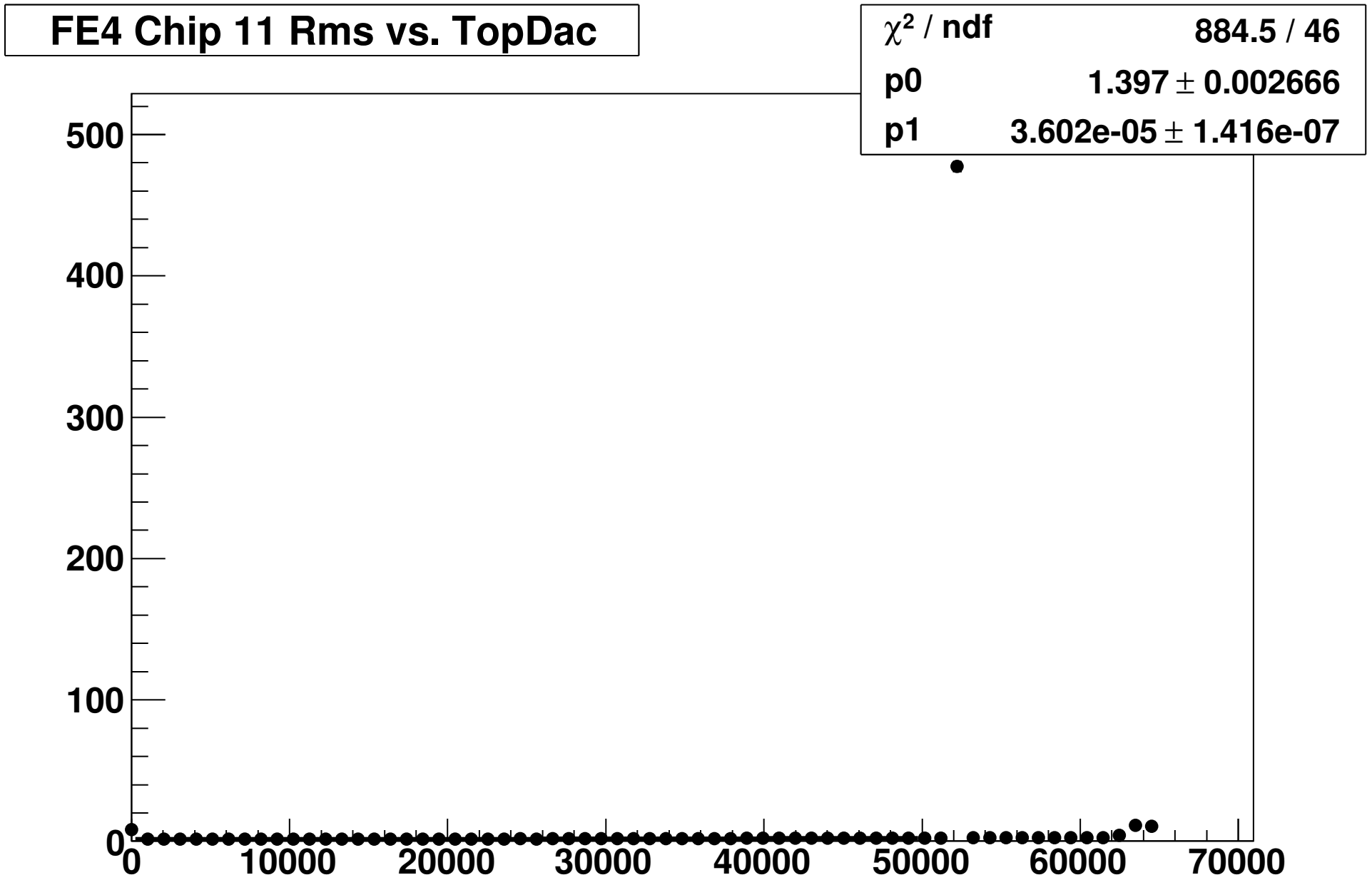
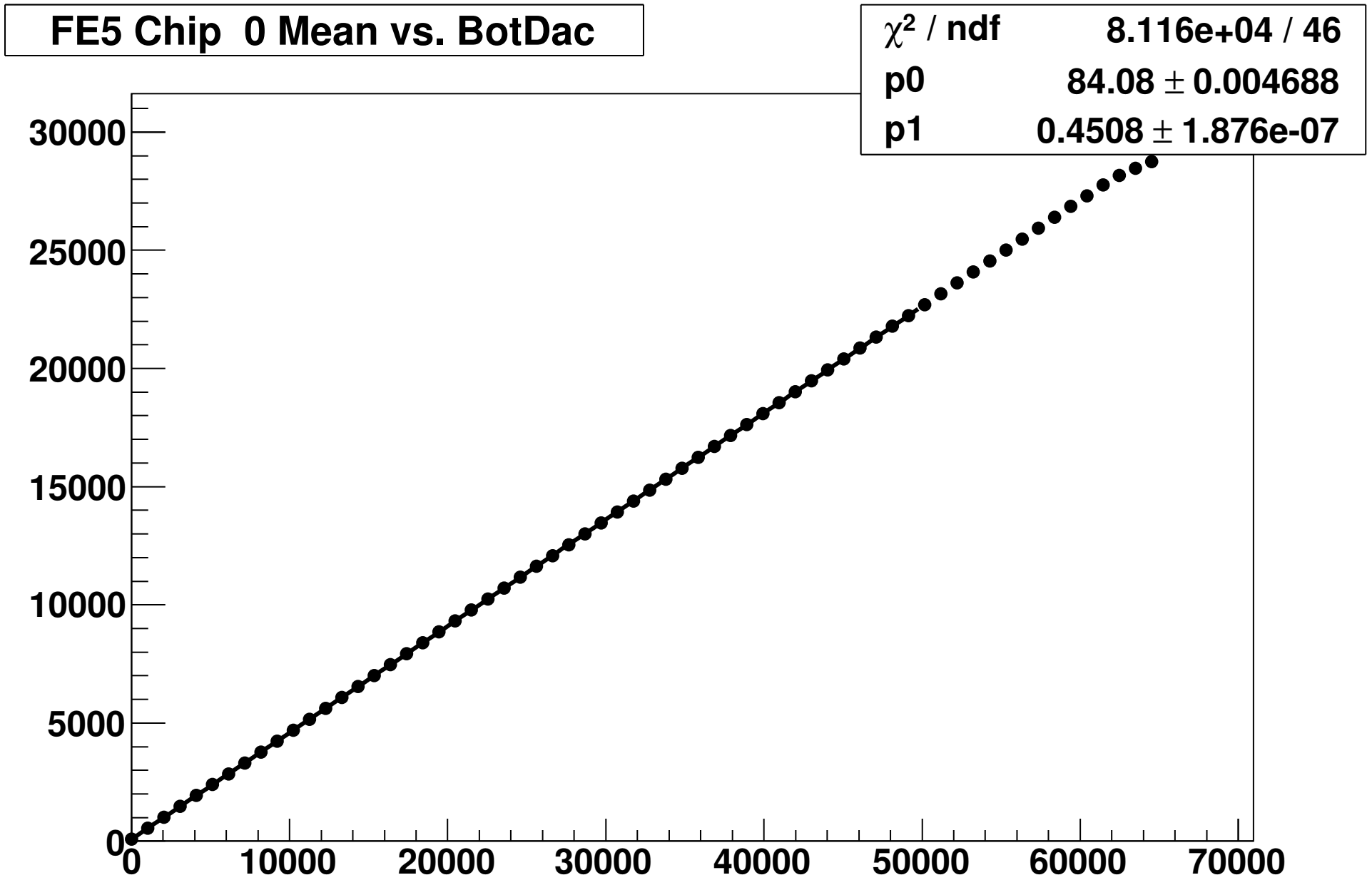
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 884.5 / 46
p0 1.397 ± 0.002666
p1 3.602e-05 ± 1.416e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 8.116e+04 / 46
p0 84.08 ± 0.004688
p1 0.4508 ± 1.876e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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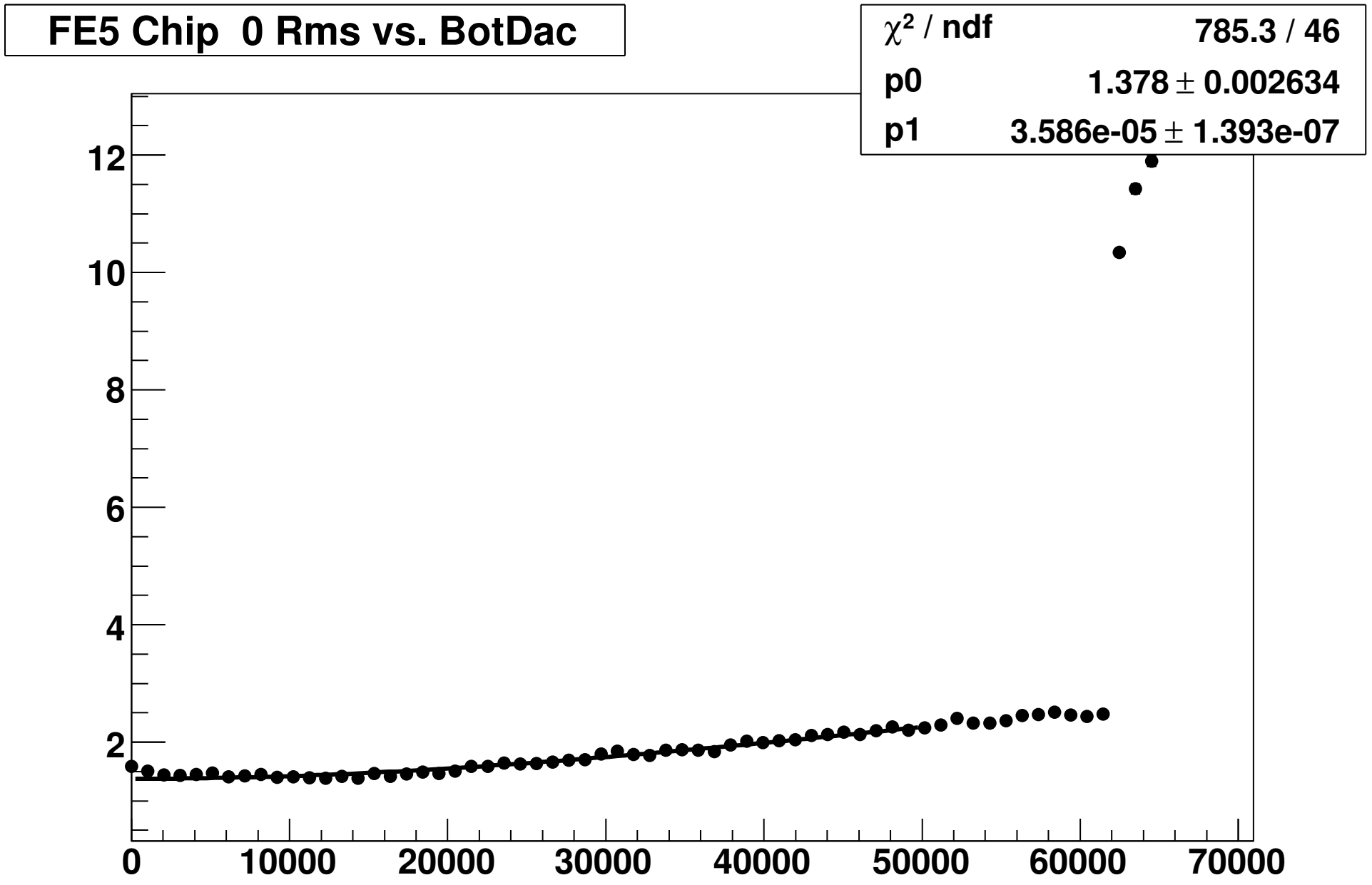
FE5 Chip 0 Rms vs. BotDac
χ² / ndf 785.3 / 46
p0 1.378 ± 0.002634
p1 3.586e-05 ± 1.393e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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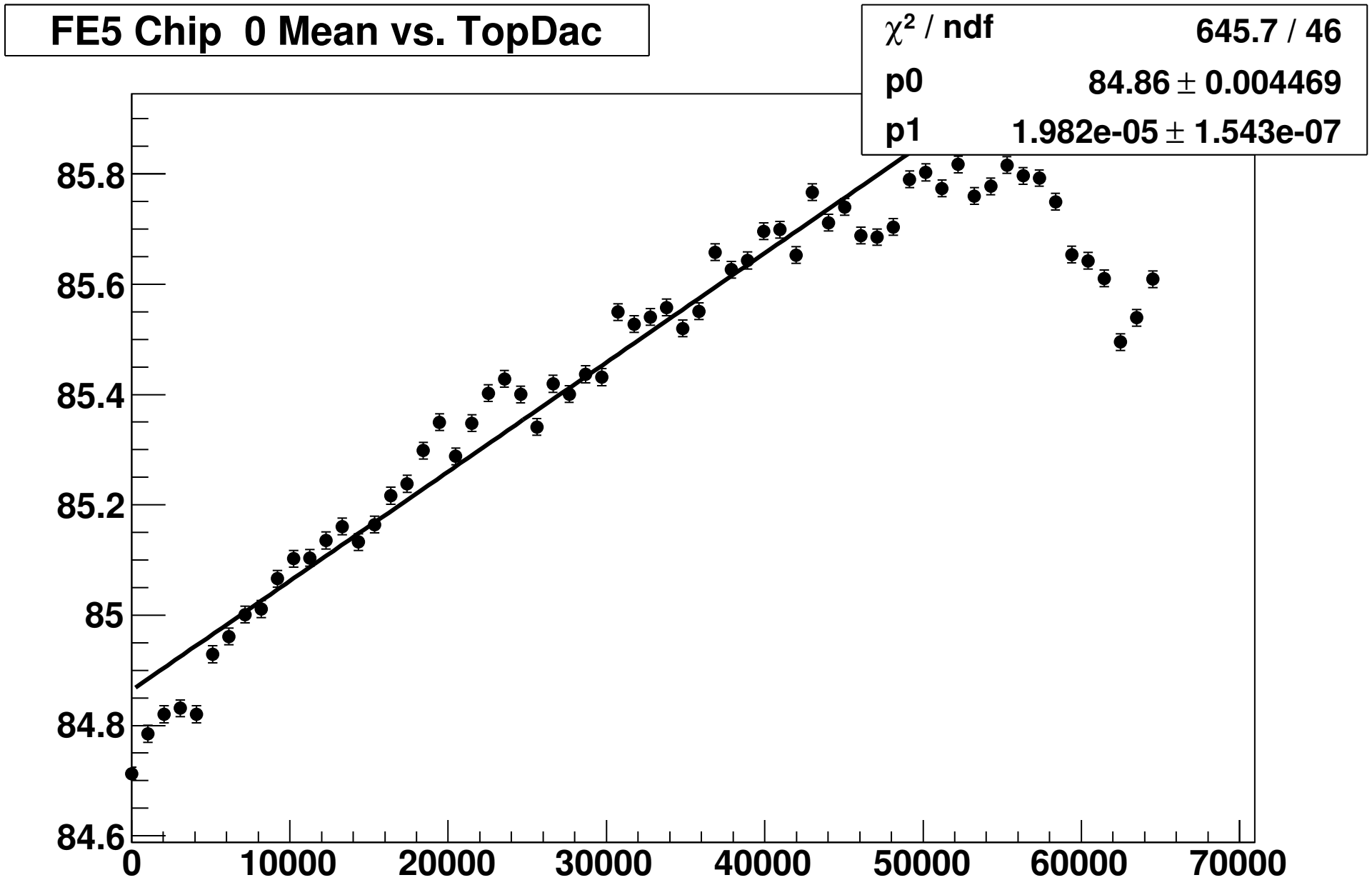
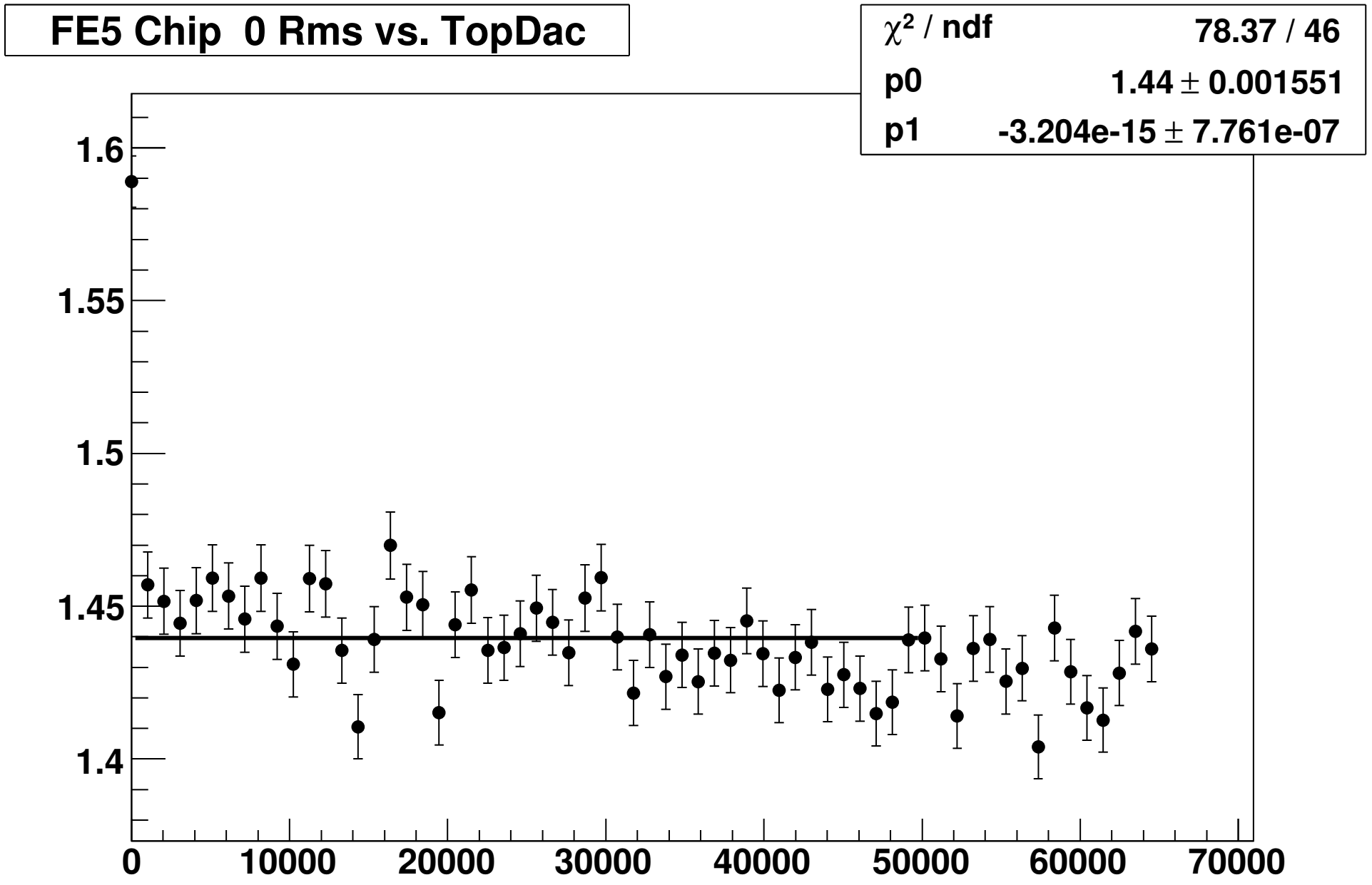

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 645.7 / 46
p0 84.86 ± 0.004469
p1 1.982e-05 ± 1.543e-07
85.8
85.6
85.4
85.2
85
84.8
84.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 78.37 / 46
p0 1.44 ± 0.001551
p1 -3.204e-15 ± 7.761e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
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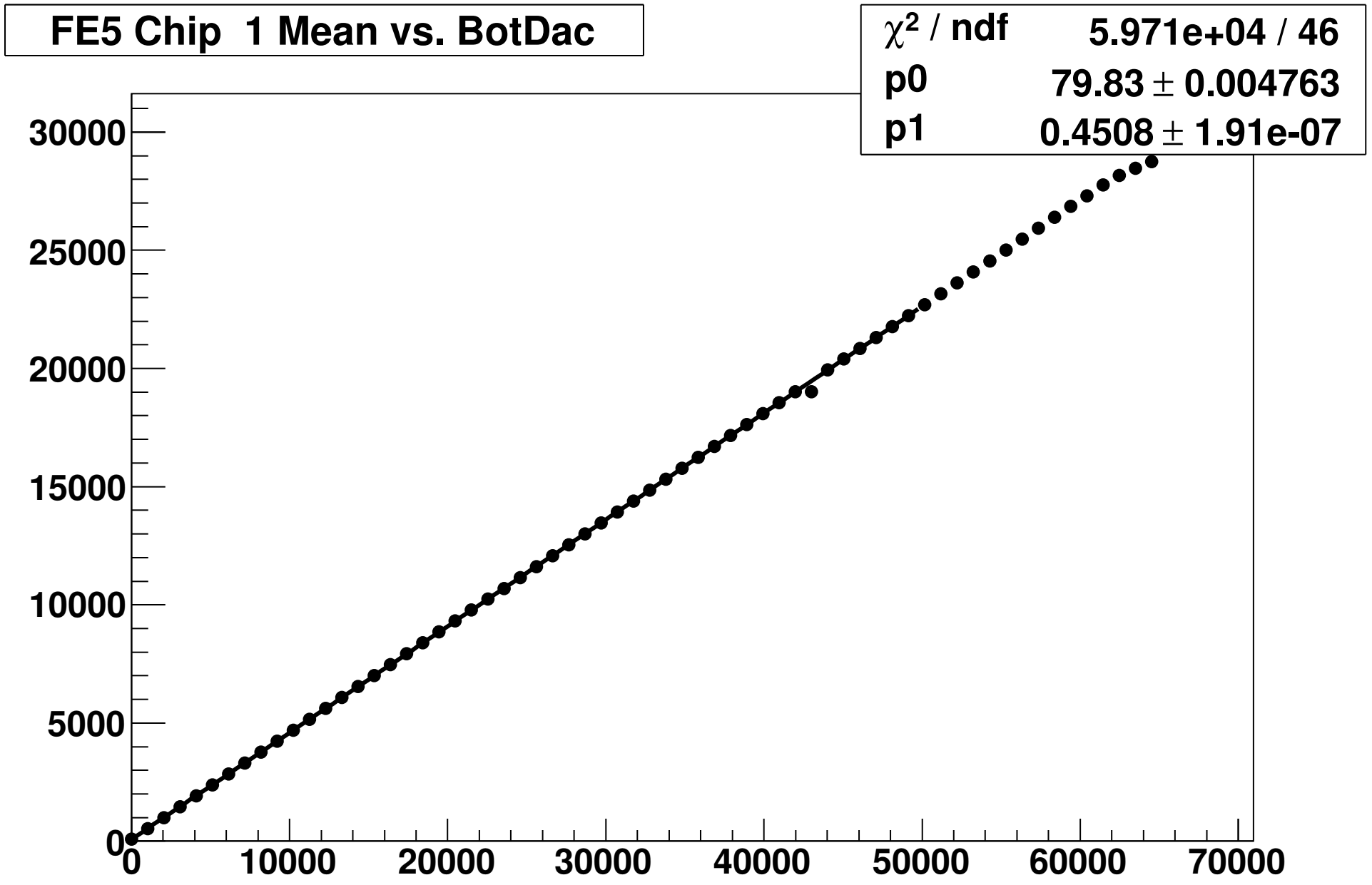
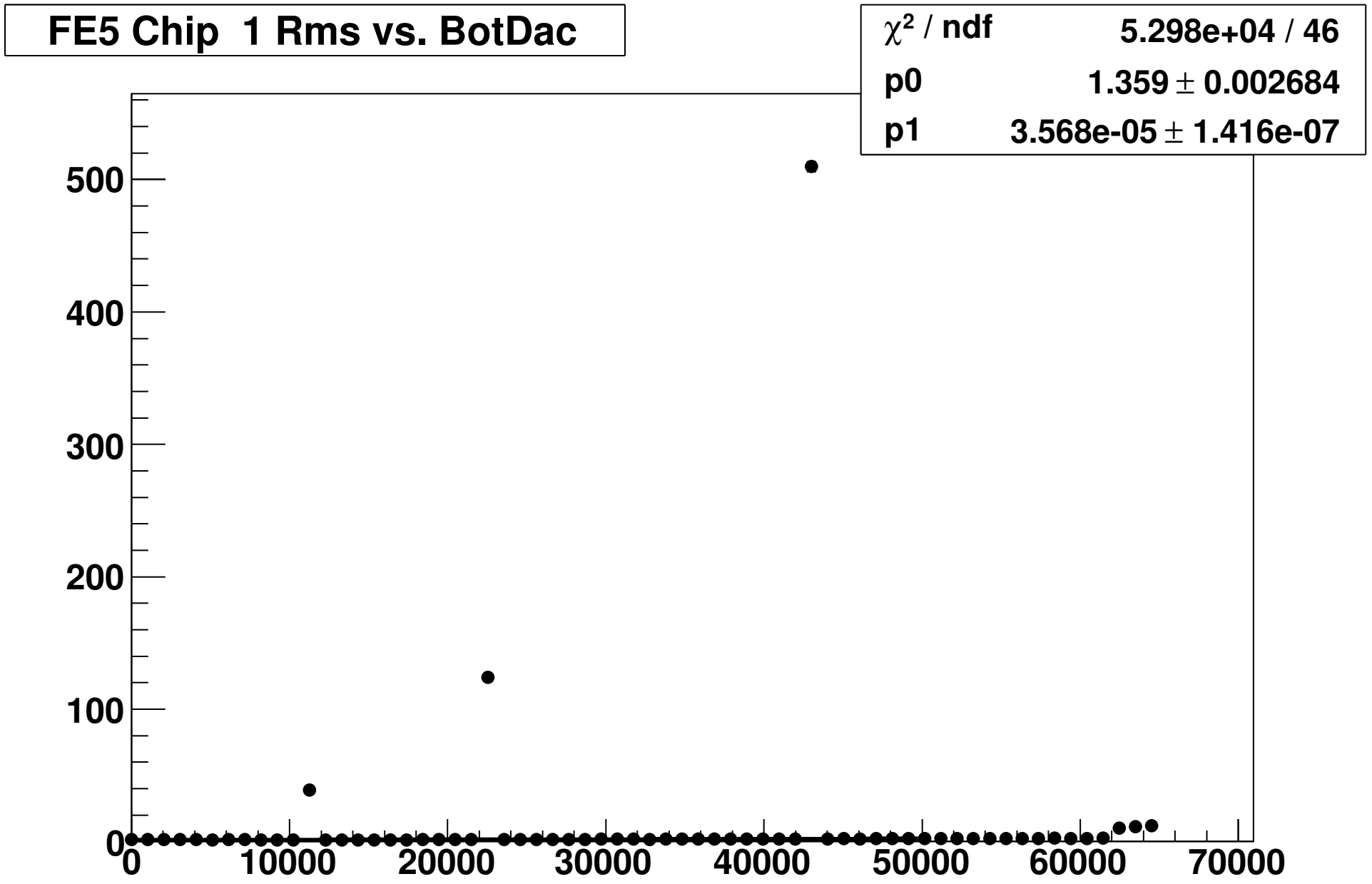
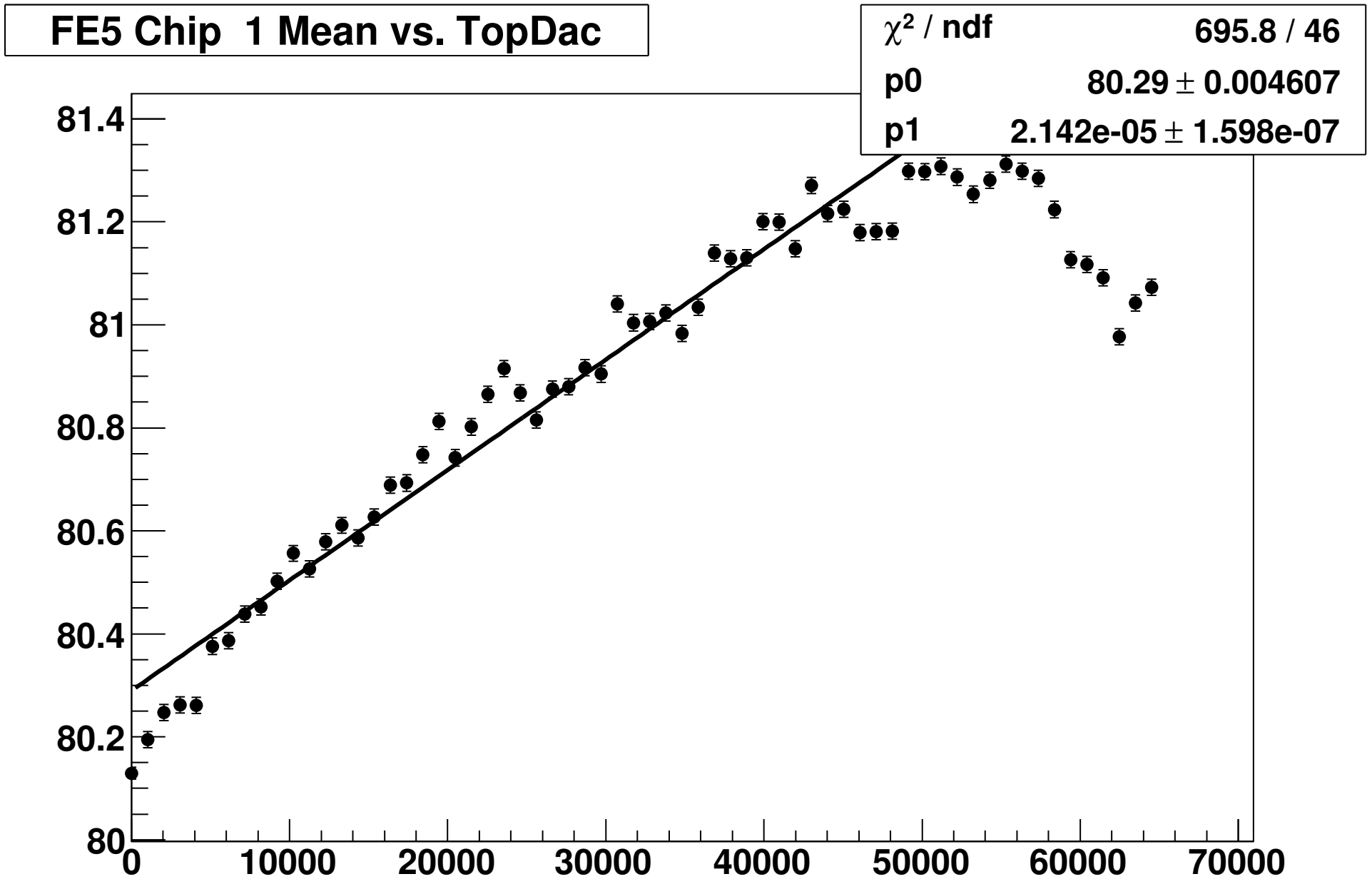
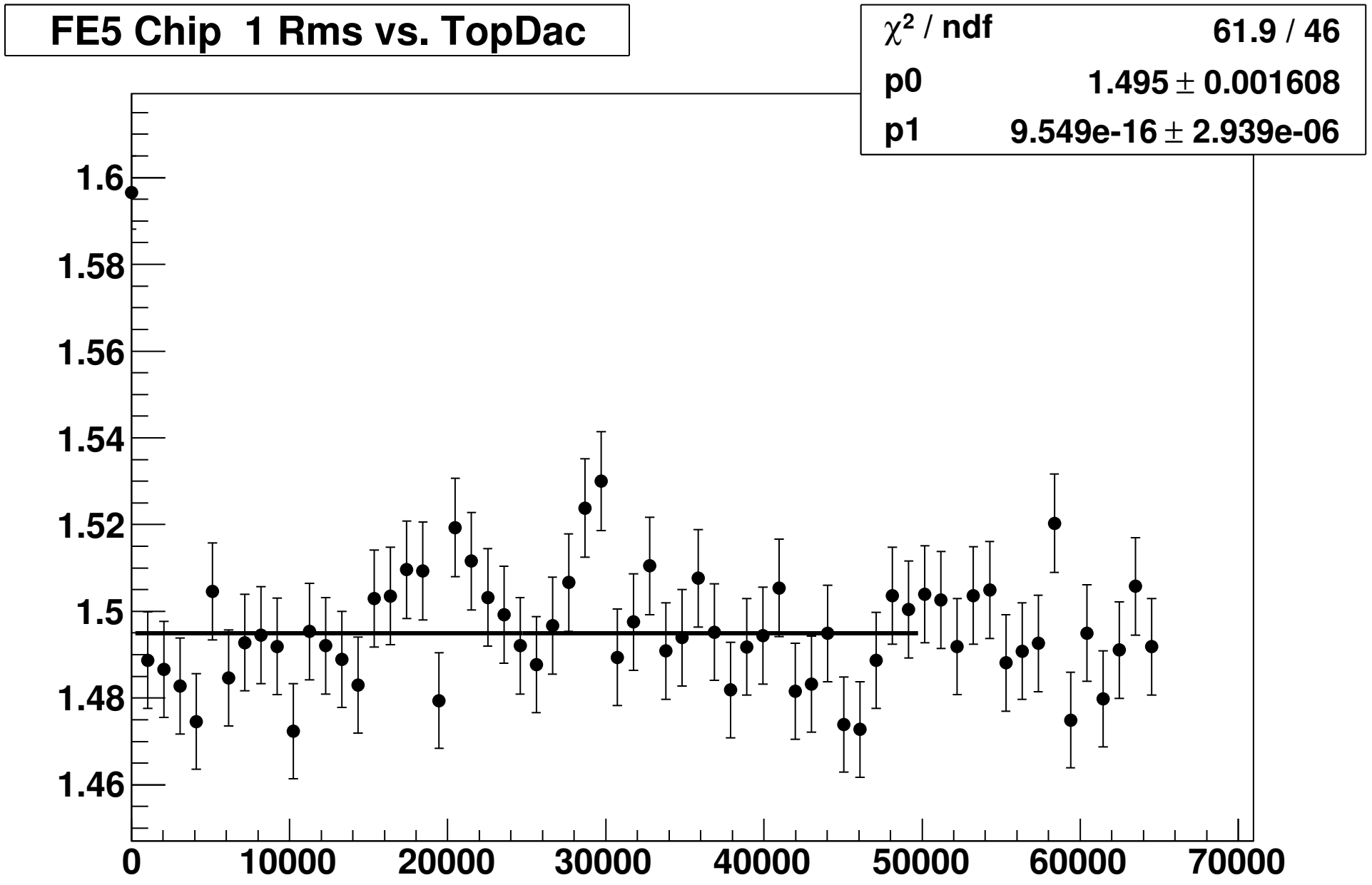
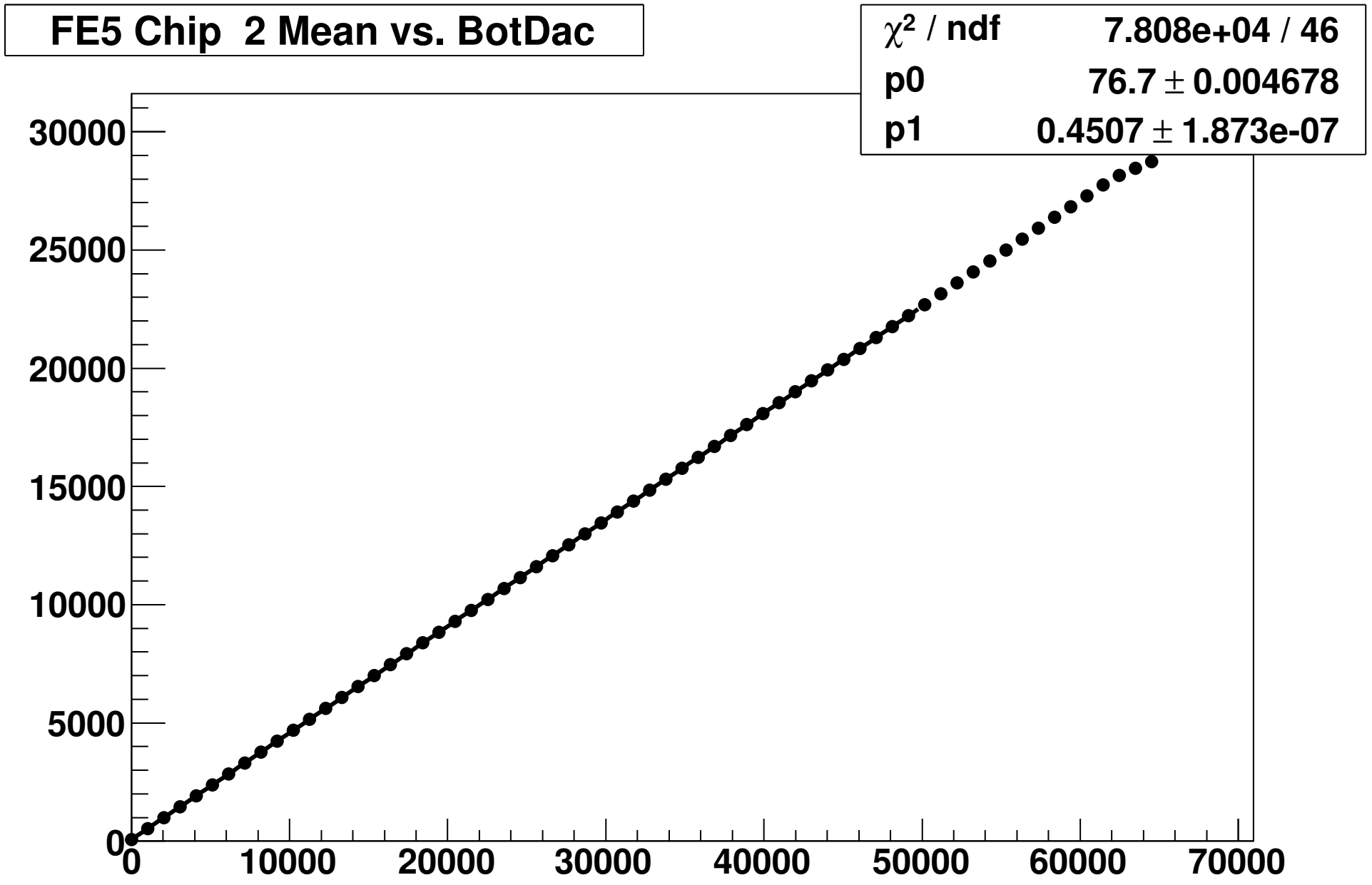
50000
60000
70000

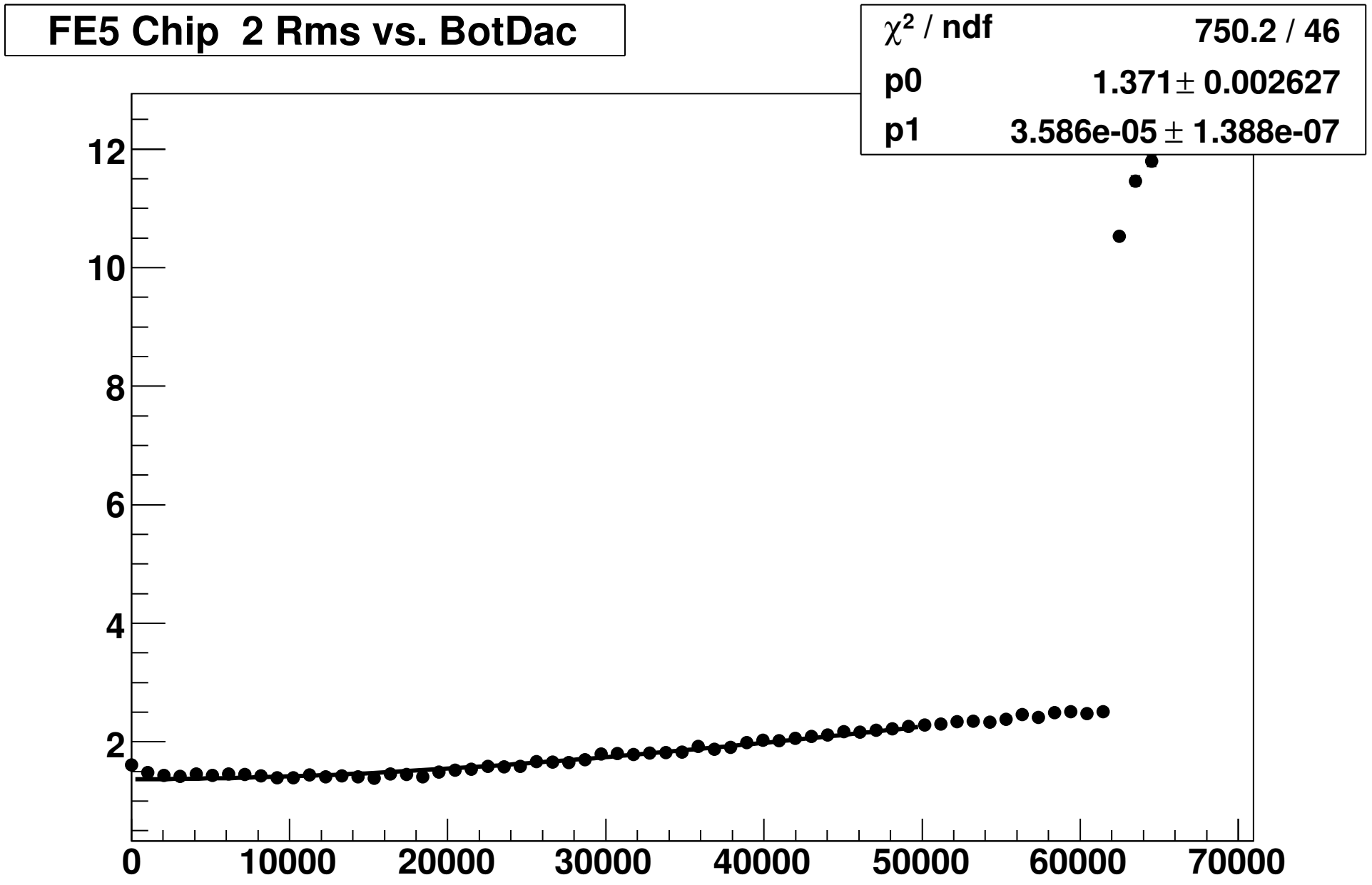

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.971e+04 / 46
p0 79.83 ± 0.004763
p1 0.4508 ± 1.91e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

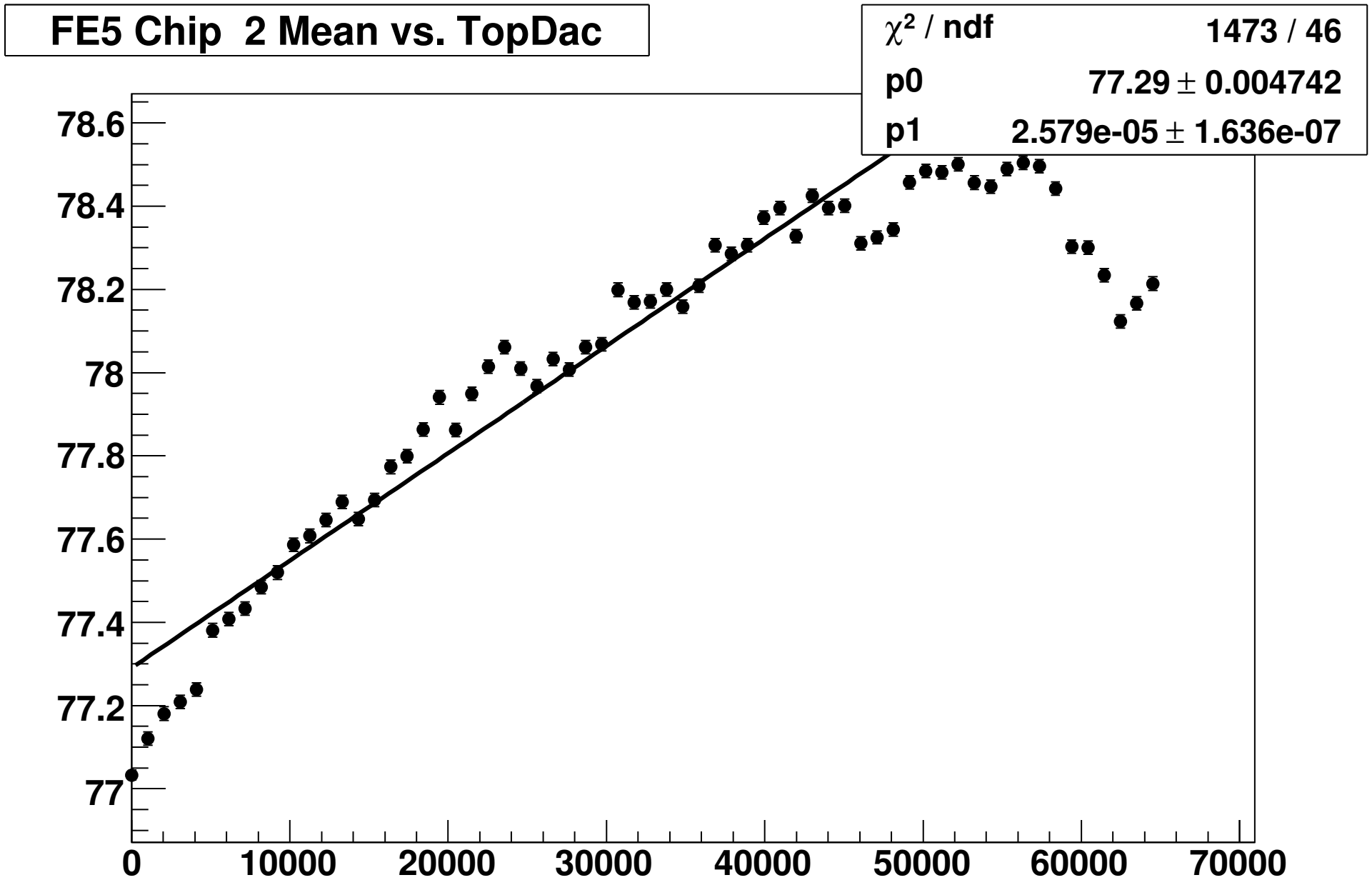

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 5.298e+04 / 46
p0 1.359 ± 0.002684
p1 3.568e-05 ± 1.416e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

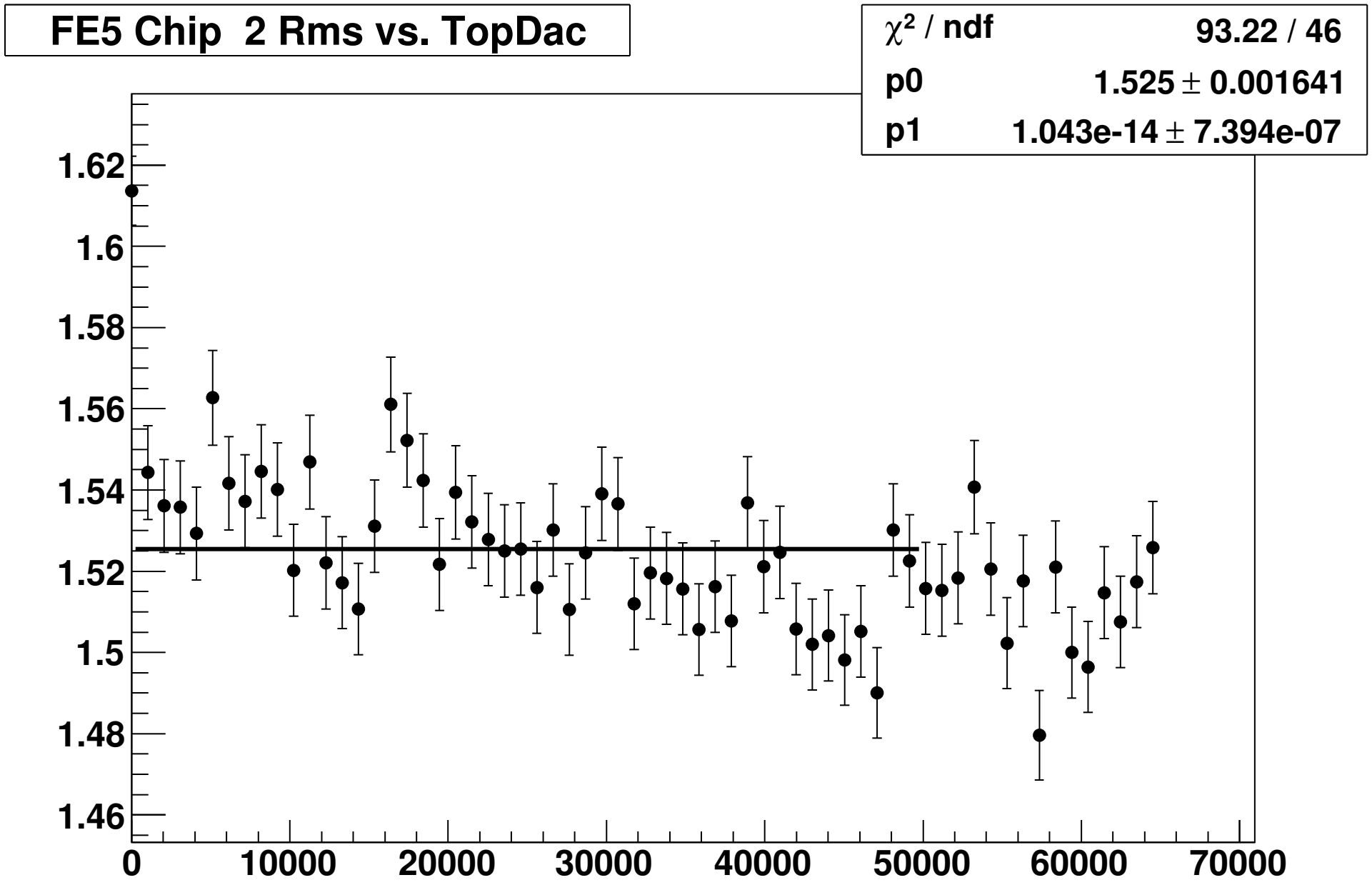

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 695.8 / 46
p0 80.29 ± 0.004607
p1 2.142e-05 ± 1.598e-07
81.4
81.2
81
80.8
80.6
80.4
80.2
80
0
10000
20000
30000
40000
50000
60000
70000

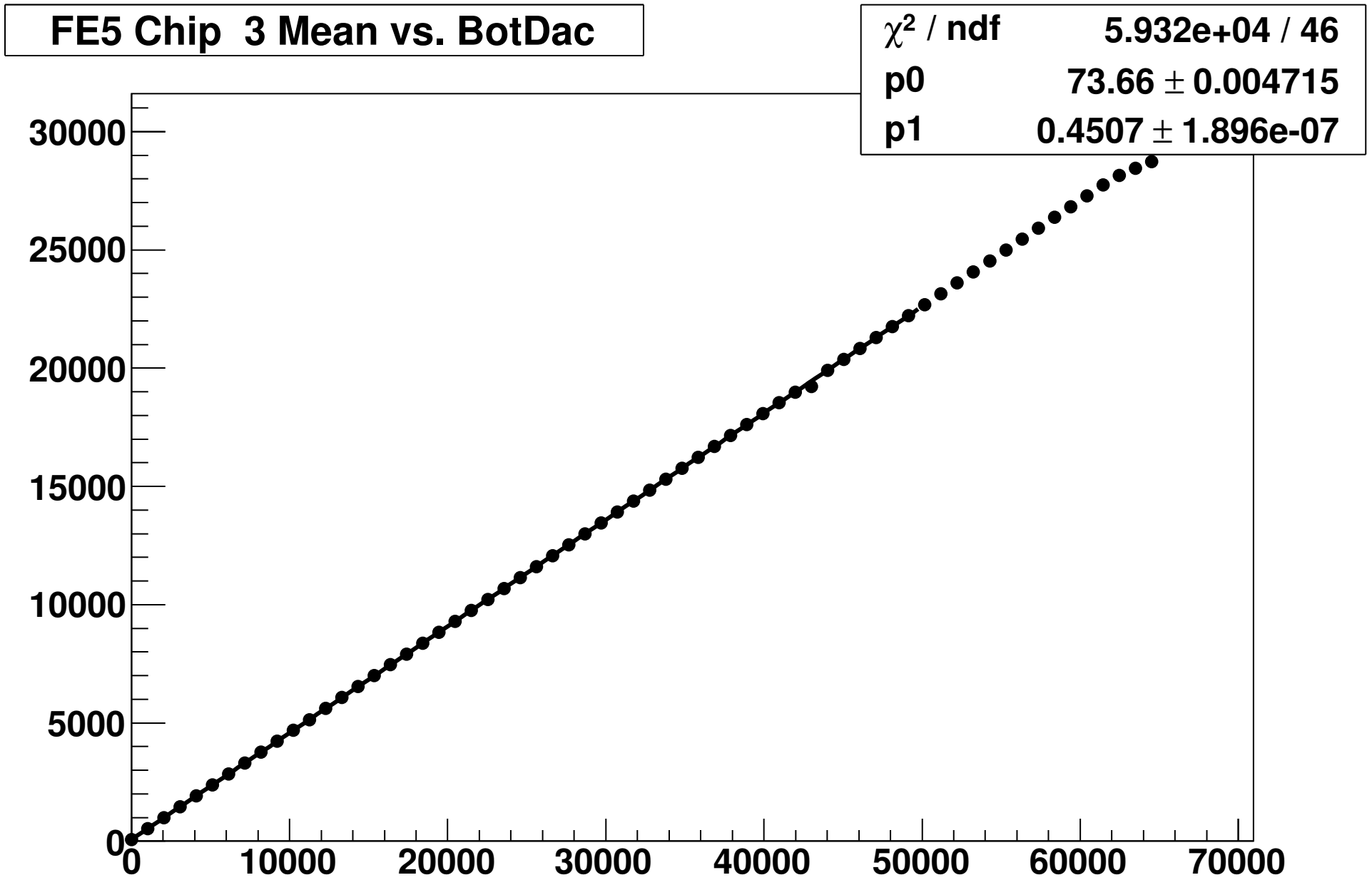

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 61.9 / 46
p0 1.495 ± 0.001608
p1 9.549e-16 ± 2.939e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

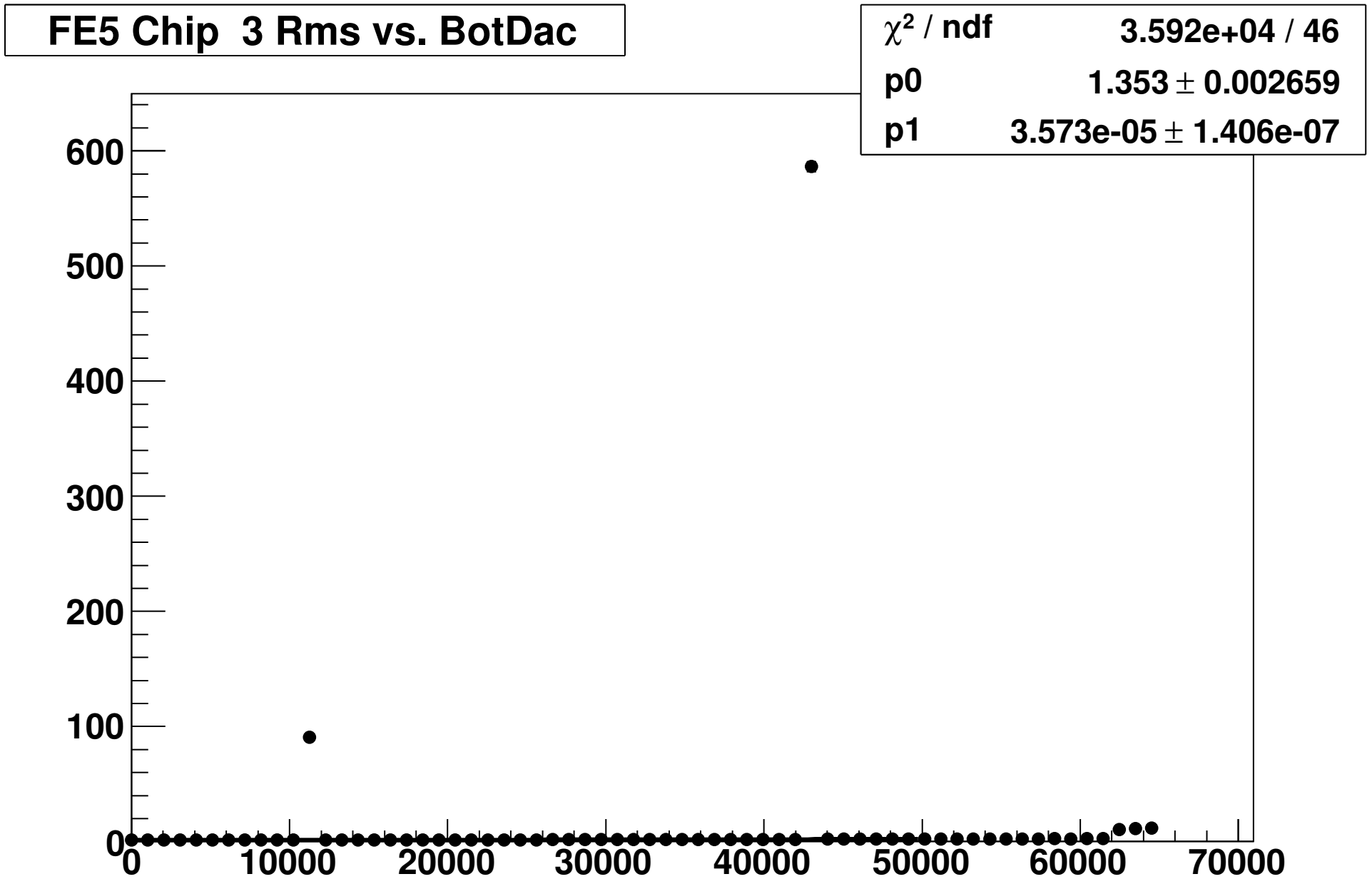

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 7.808e+04 / 46
p0 76.7 ± 0.004678
p1 0.4507 ± 1.873e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

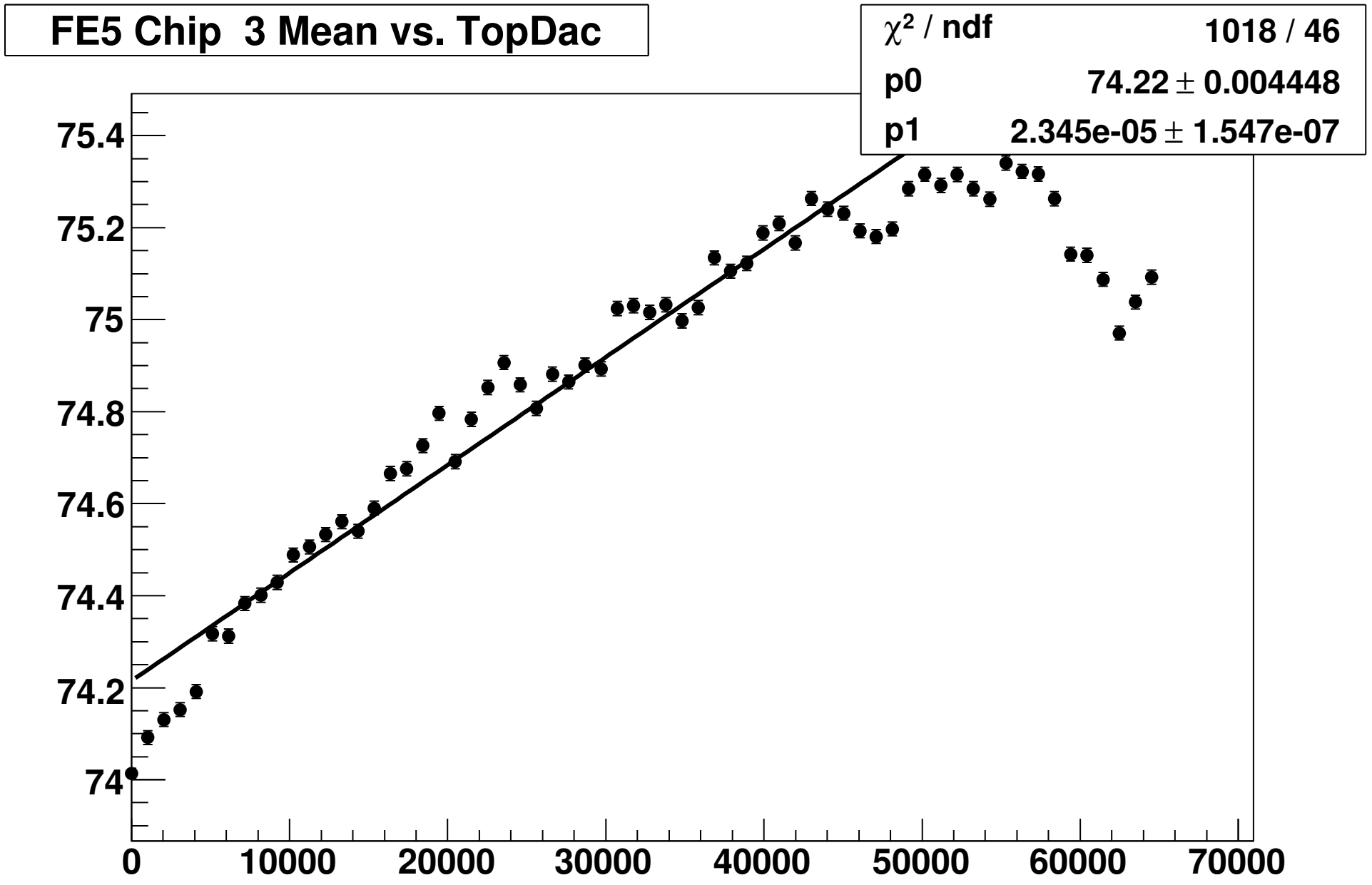

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 750.2 / 46
p0 1.371 ± 0.002627
p1 3.586e-05 ± 1.388e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

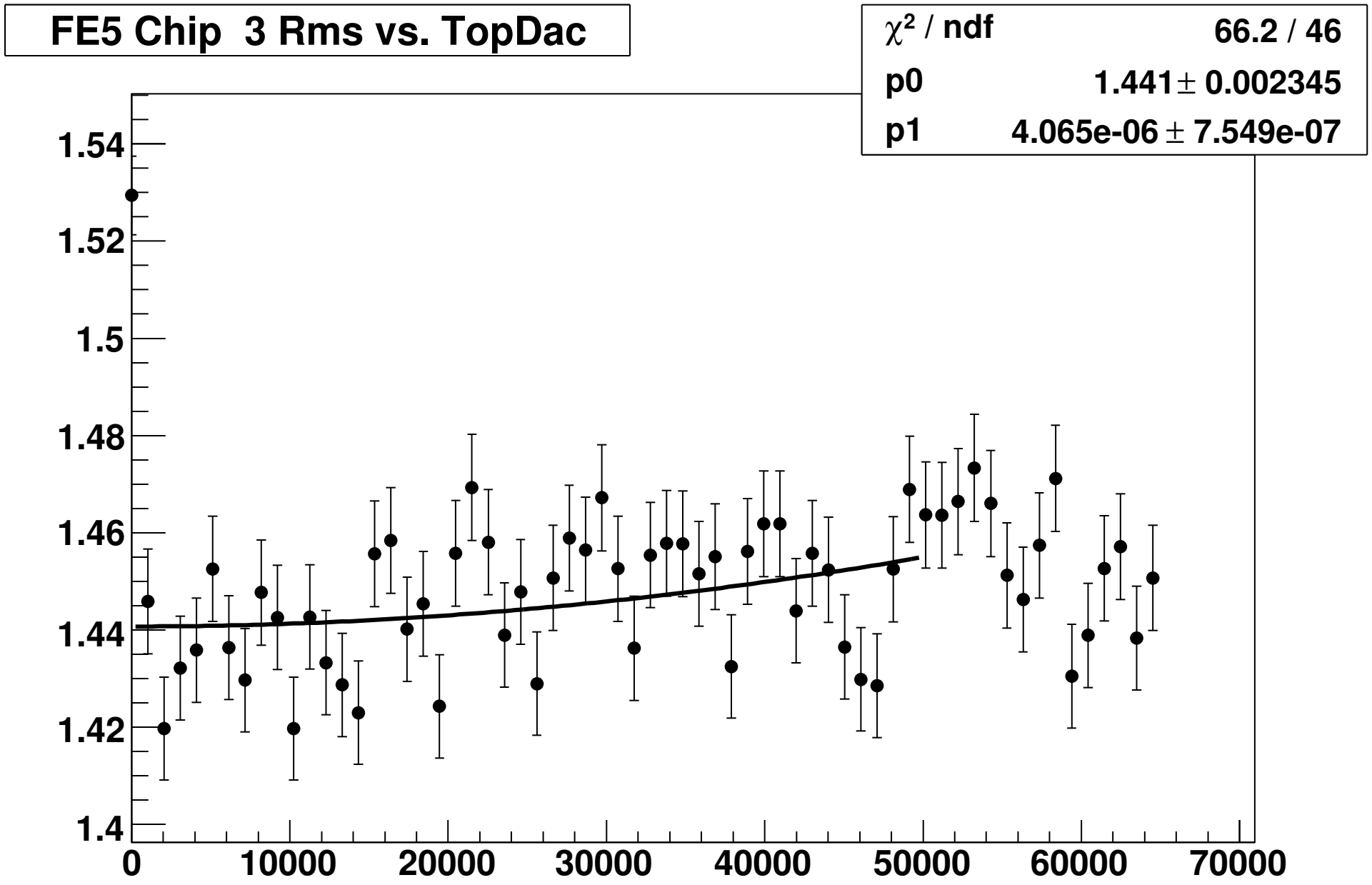

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 1473 / 46
p0 77.29 ± 0.004742
p1 2.579e-05 ± 1.636e-07
78.6
78.4
78.2
78
77.8
77.6
77.4
77.2
77
0
10000
20000
30000
40000
50000
60000
70000

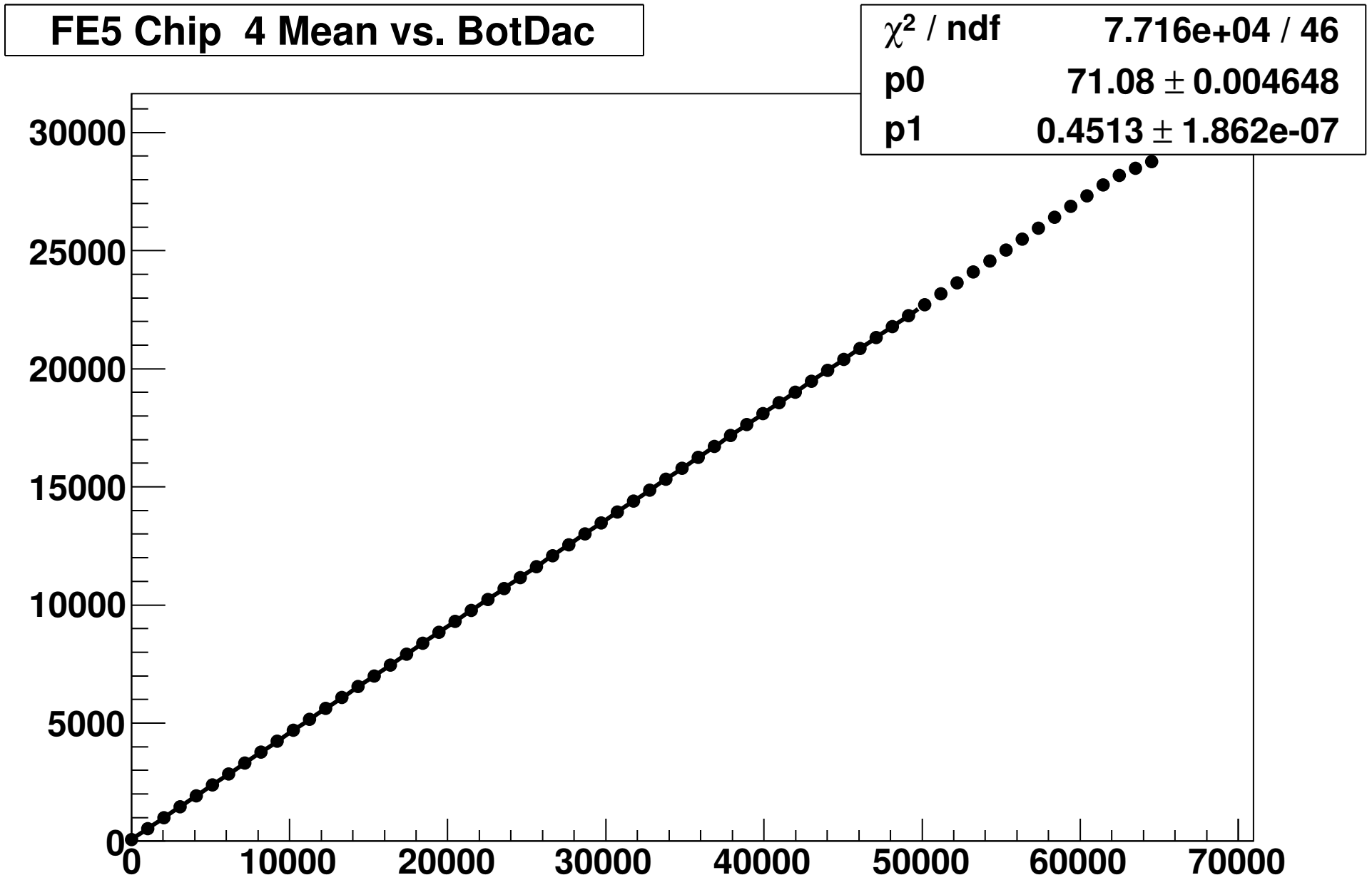

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 93.22 / 46
p0 1.525 ± 0.001641
p1 1.043e-14 ± 7.394e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

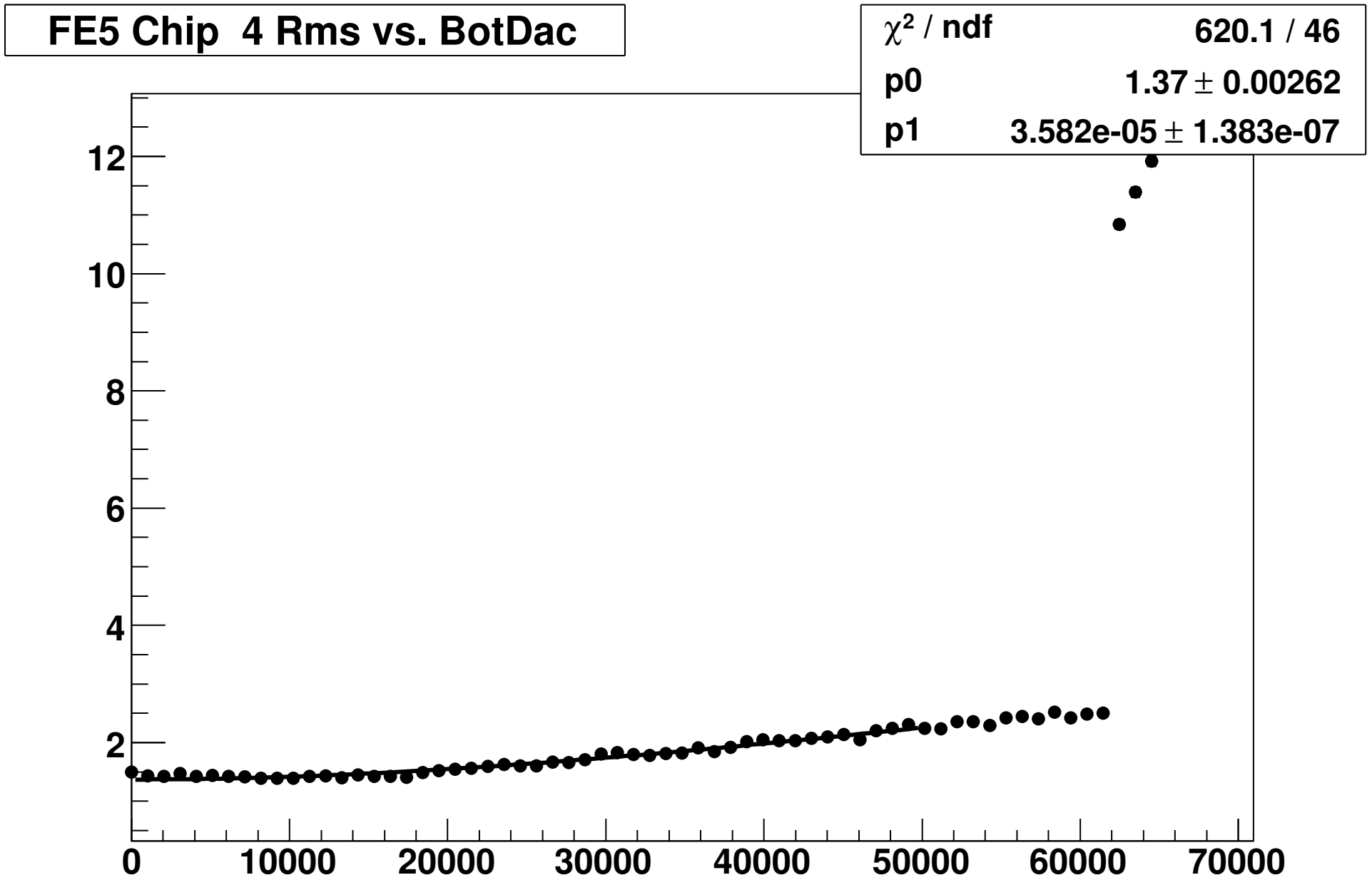

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 5.932e+04 / 46
p0 73.66 ± 0.004715
p1 0.4507 ± 1.896e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

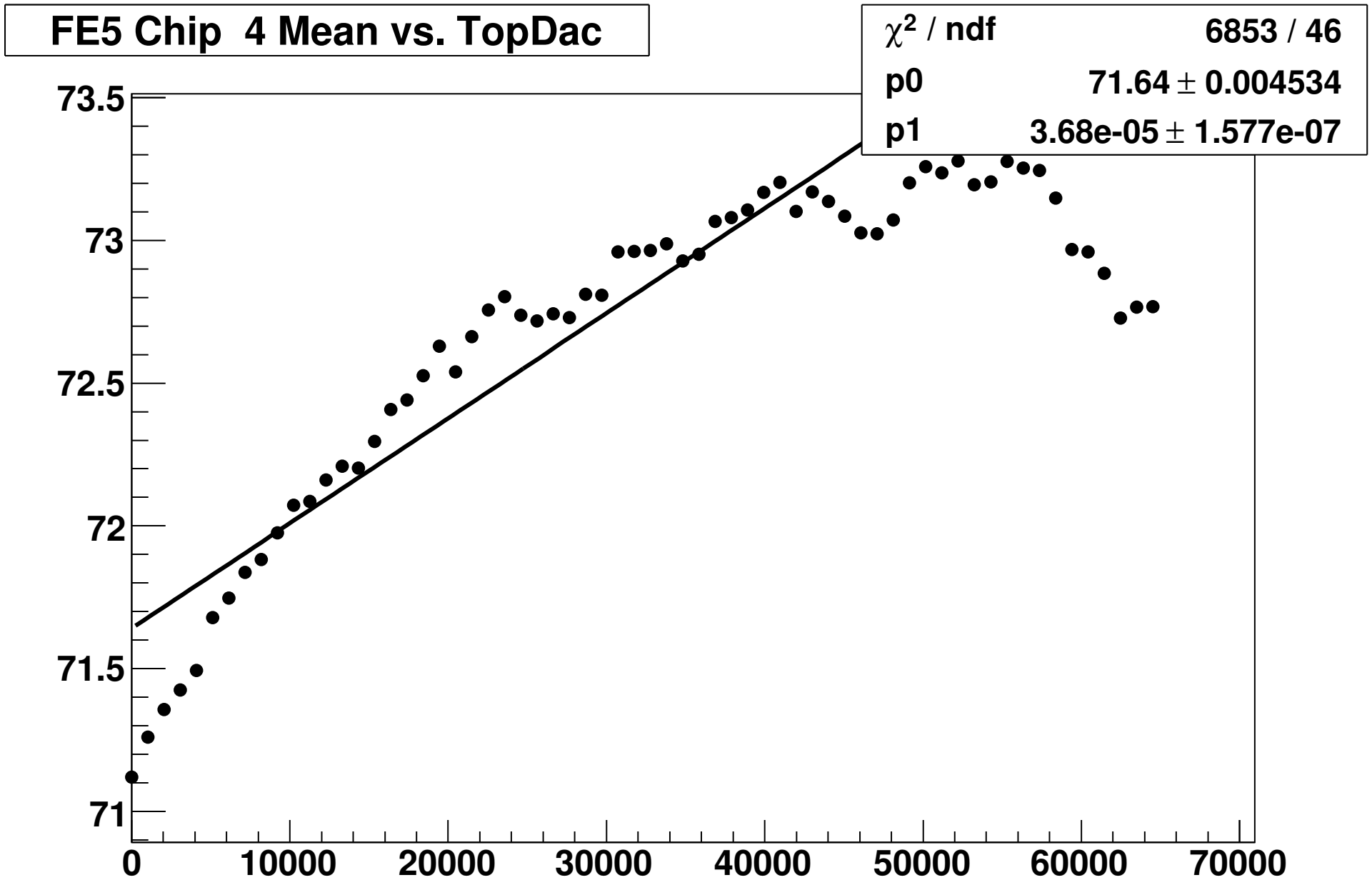

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 3.592e+04 / 46
p0 1.353 ± 0.002659
p1 3.573e-05 ± 1.406e-07
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

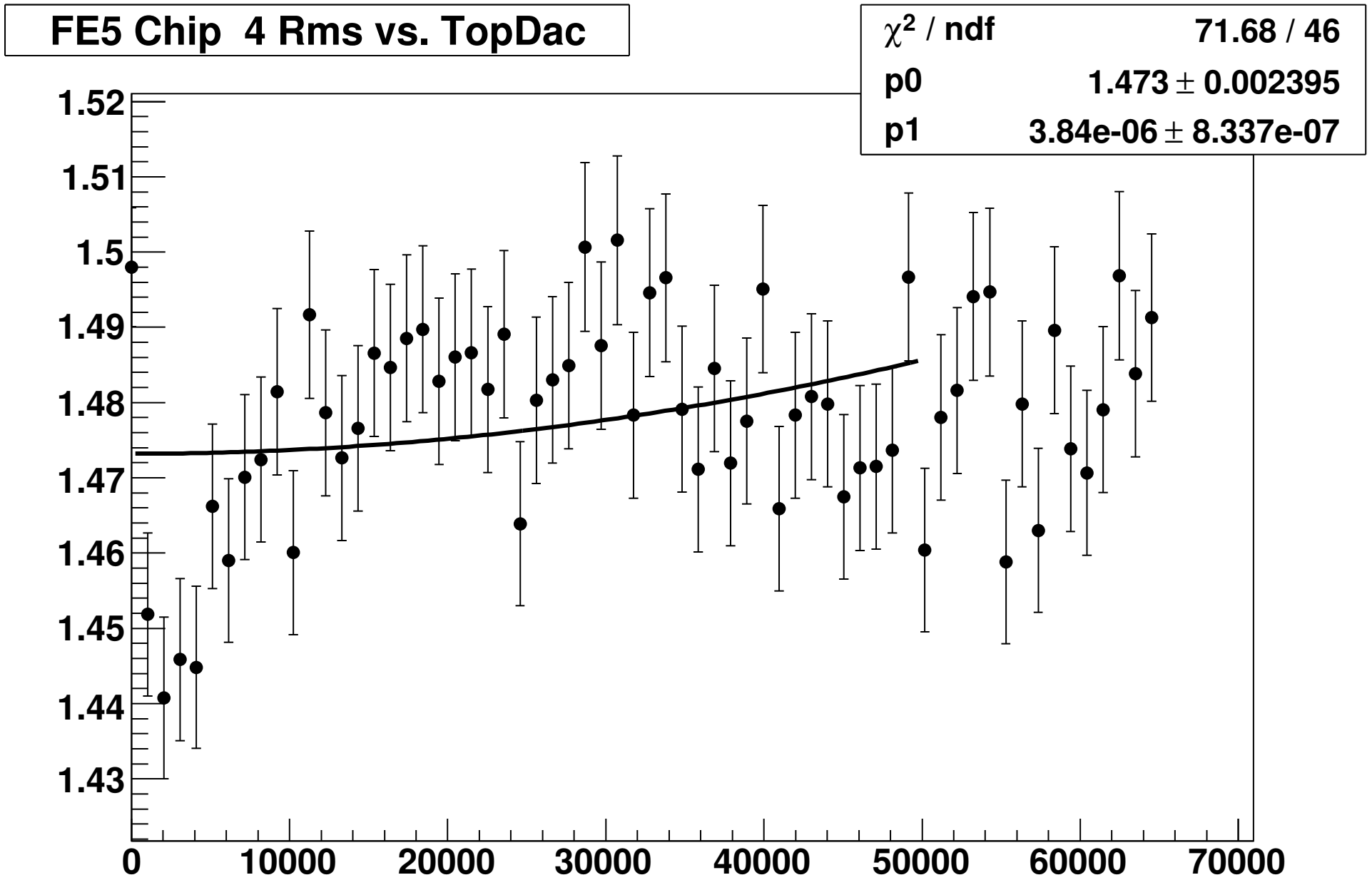

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 1018 / 46
p0 74.22 ± 0.004448
p1 2.345e-05 ± 1.547e-07
75.4
75.2
75
74.8
74.6
74.4
74.2
74
0
10000
20000
30000
40000
50000
60000
70000

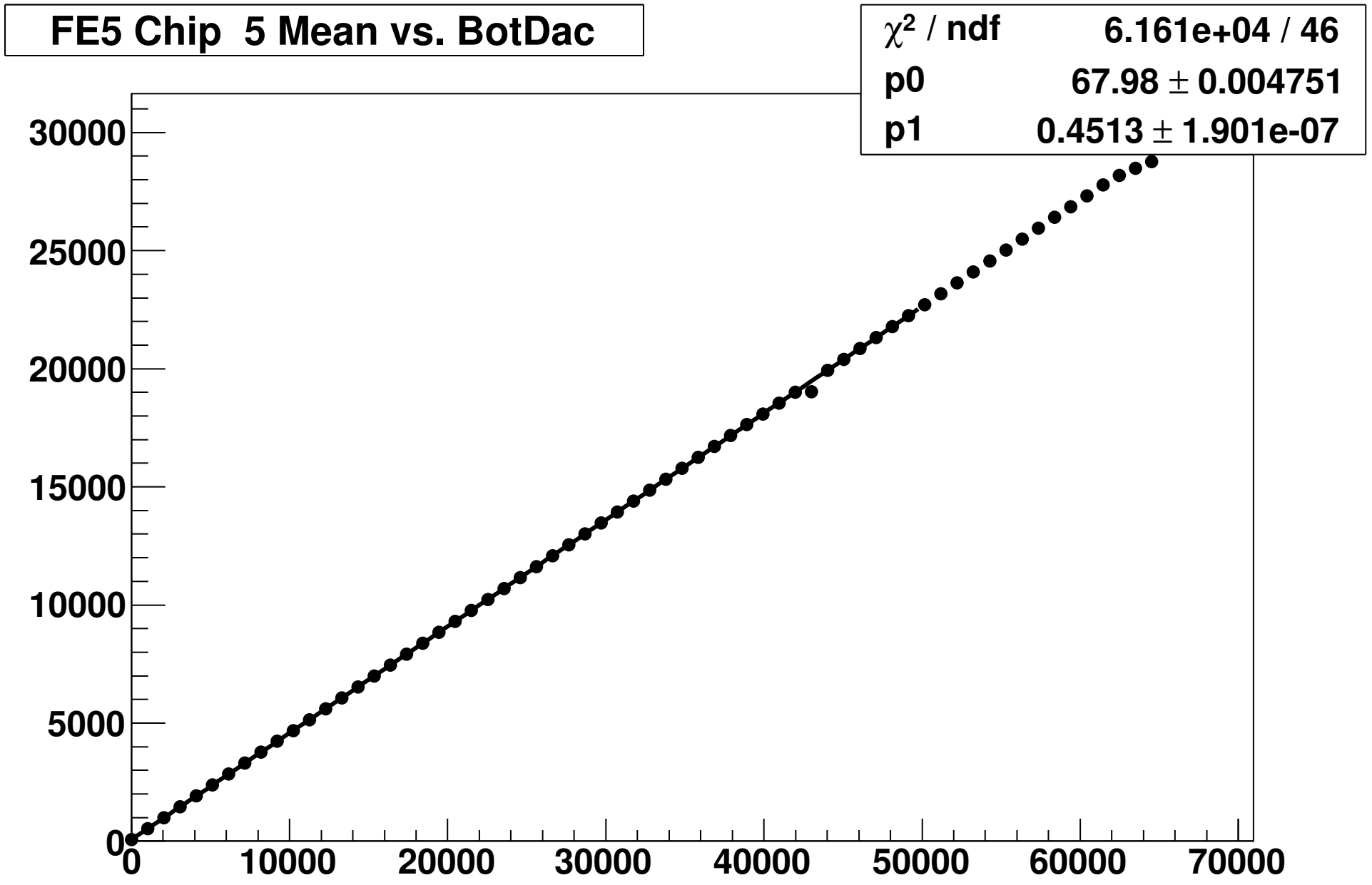

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 66.2 / 46
p0 1.441 ± 0.002345
p1 4.065e-06 ± 7.549e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

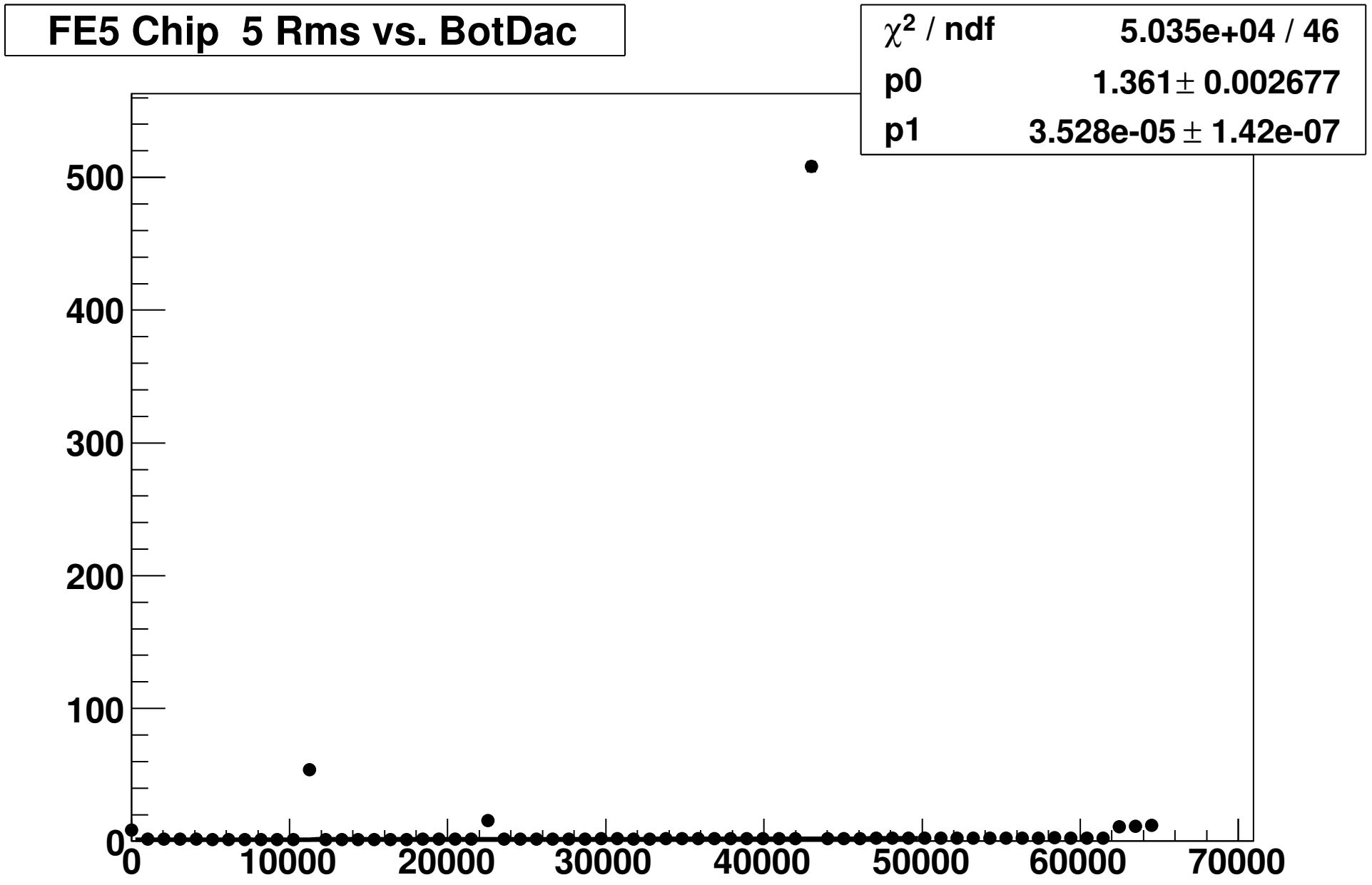

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.716e+04 / 46
p0 71.08 ± 0.004648
p1 0.4513 ± 1.862e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

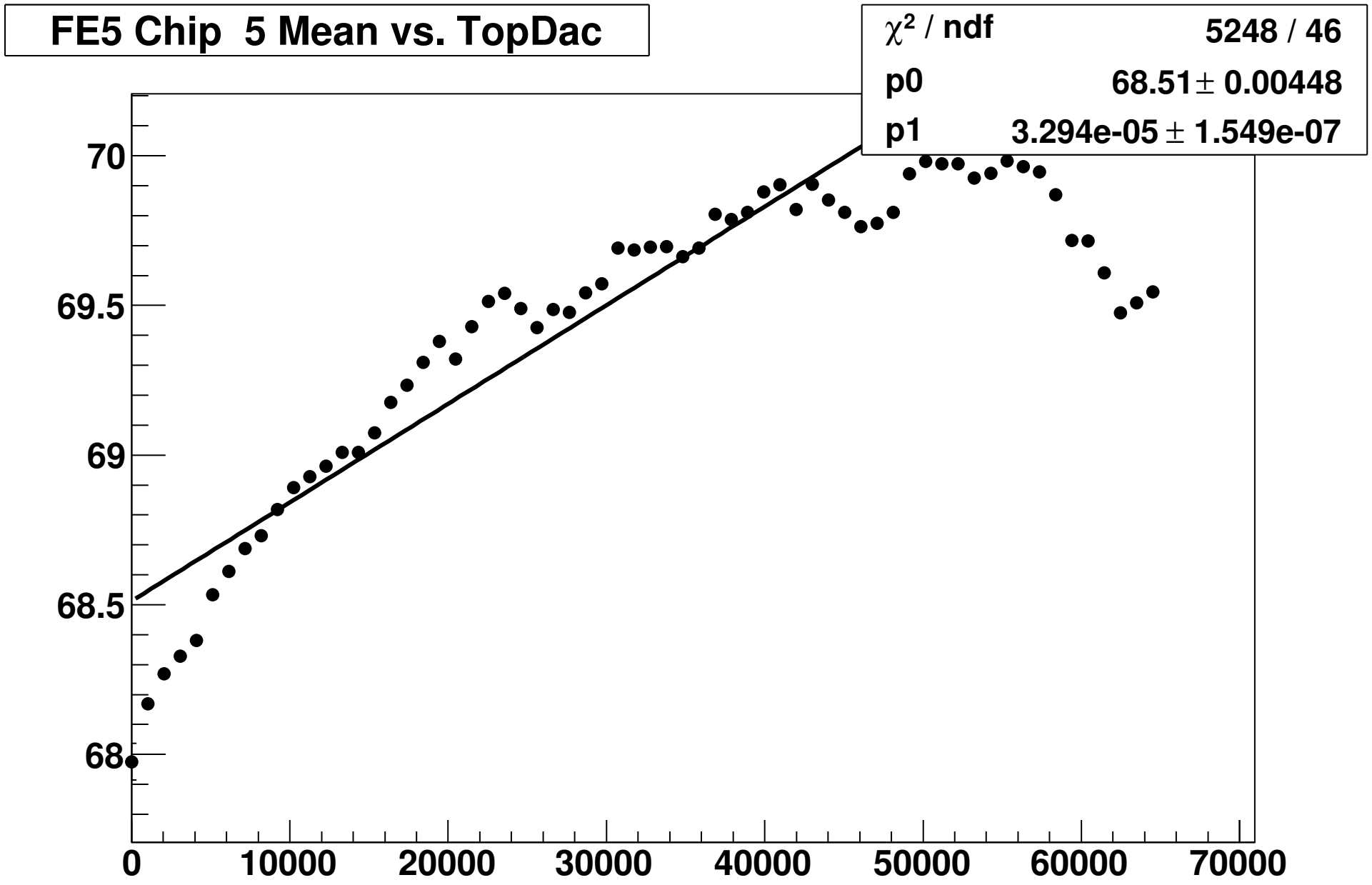

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 620.1 / 46
p0 1.37 ± 0.00262
p1 3.582e-05 ± 1.383e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

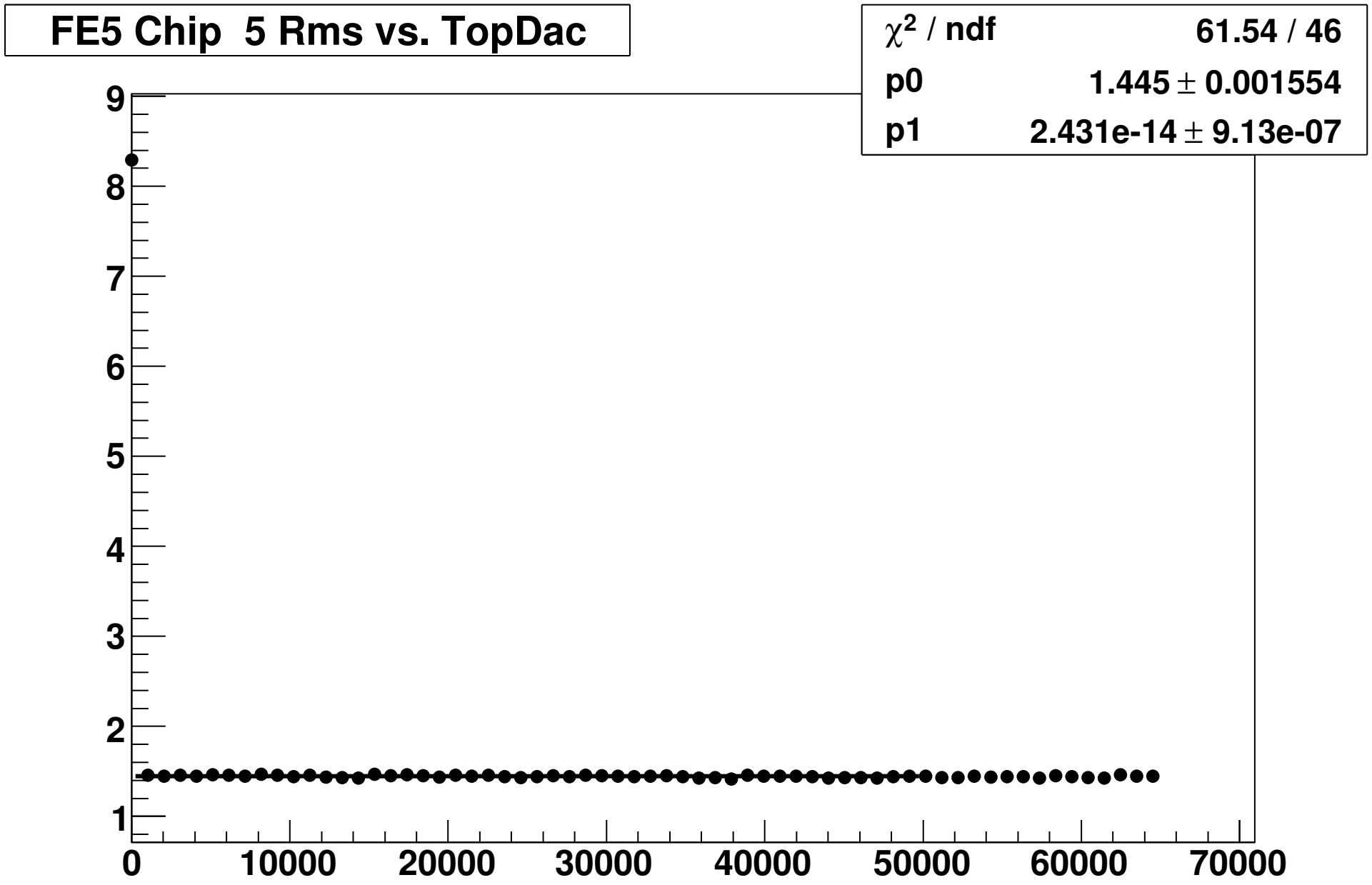

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 6853 / 46
p0 71.64 ± 0.004534
p1 3.68e-05 ± 1.577e-07
73.5
73
72.5
72
71.5
71
0
10000
20000
30000
40000
50000
60000
70000

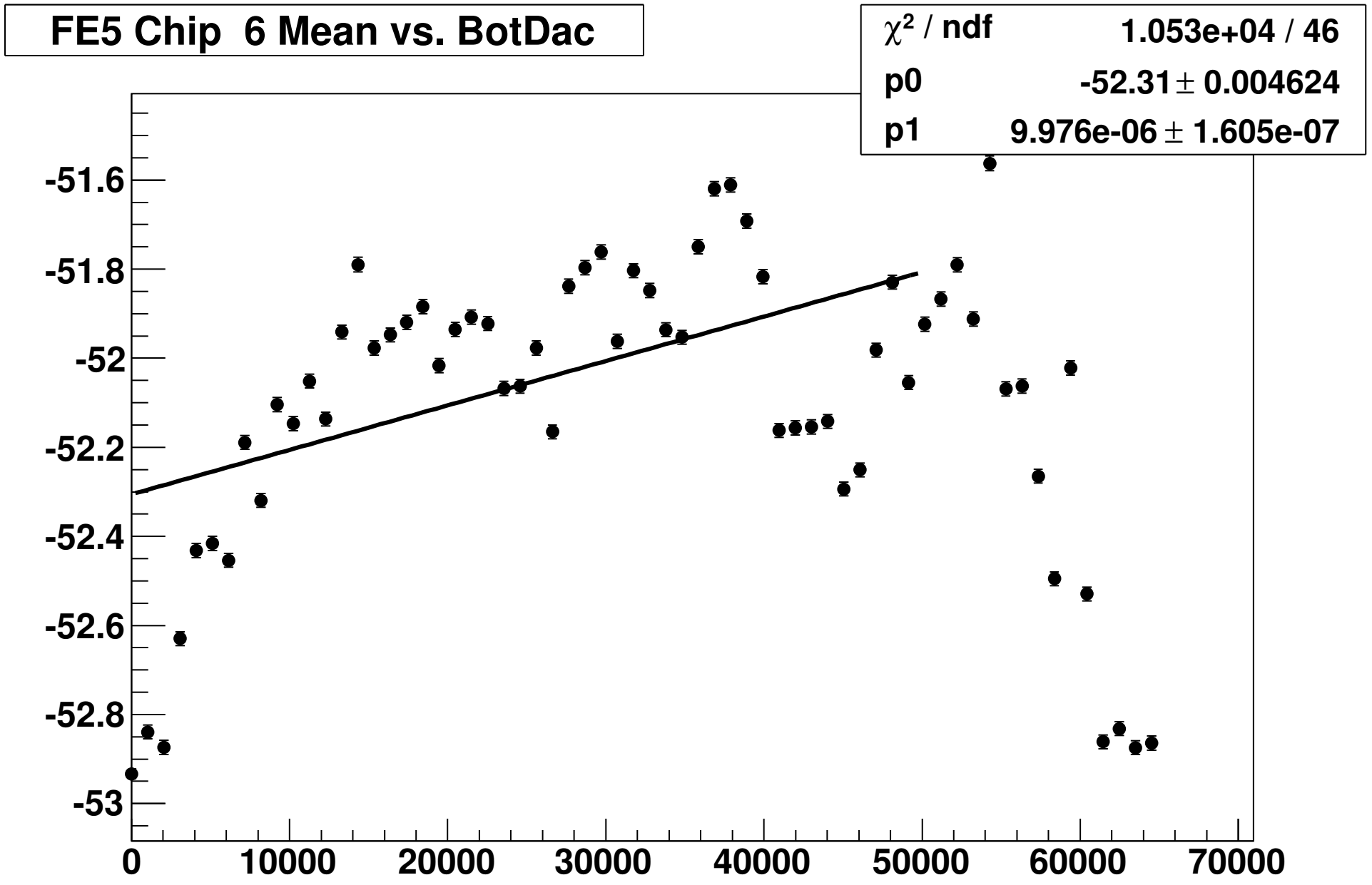

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 71.68 / 46
p0 1.473 ± 0.002395
p1 3.84e-06 ± 8.337e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

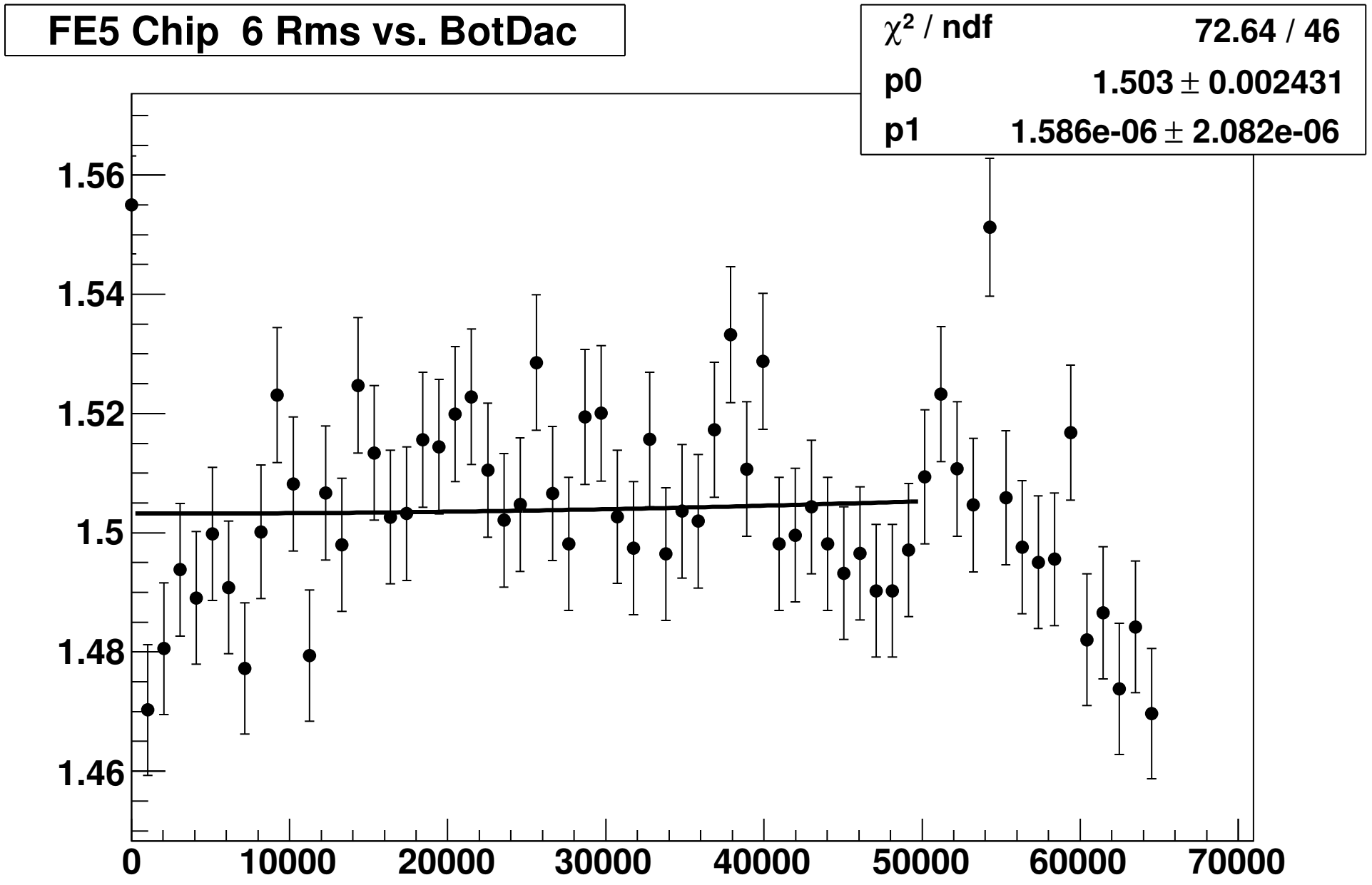

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 6.161e+04 / 46
p0 67.98 ± 0.004751
p1 0.4513 ± 1.901e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

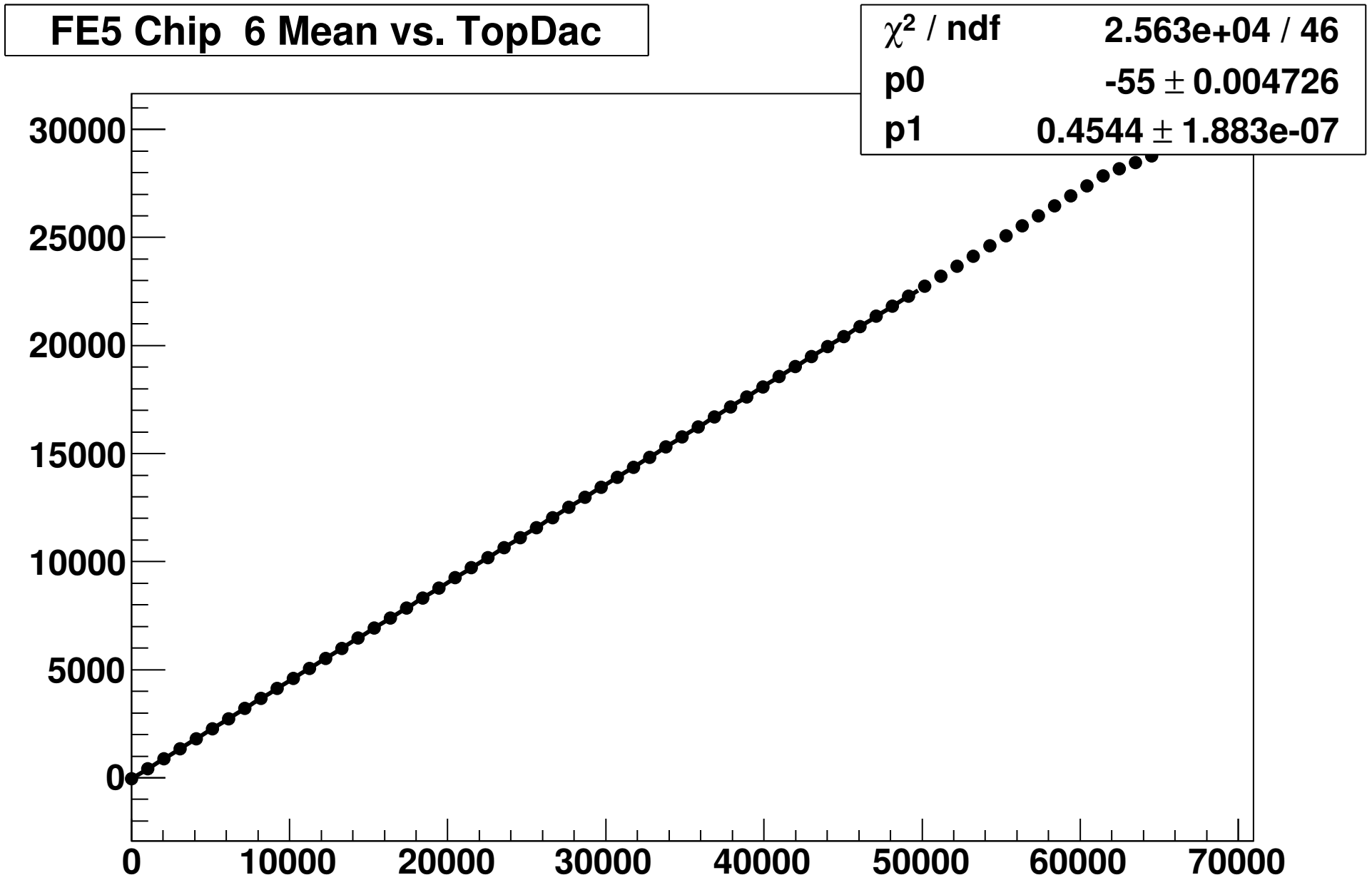

FE5 Chip 5 Rms vs. BotDac
χ² / ndf 5.035e+04 / 46
p0 1.361 ± 0.002677
p1 3.528e-05 ± 1.42e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 5248 / 46
p0 68.51 ± 0.00448
p1 3.294e-05 ± 1.549e-07
70
69.5
69
68.5
68
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 61.54 / 46
p0 1.445 ± 0.001554
p1 2.431e-14 ± 9.13e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1.053e+04 / 46
p0 -52.31 ± 0.004624
p1 9.976e-06 ± 1.605e-07
-51.6
-51.8
-52
-52.2
-52.4
-52.6
-52.8
-53
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 72.64 / 46
p0 1.503 ± 0.002431
p1 1.586e-06 ± 2.082e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 2.563e+04 / 46
p0 -55 ± 0.004726
p1 0.4544 ± 1.883e-07
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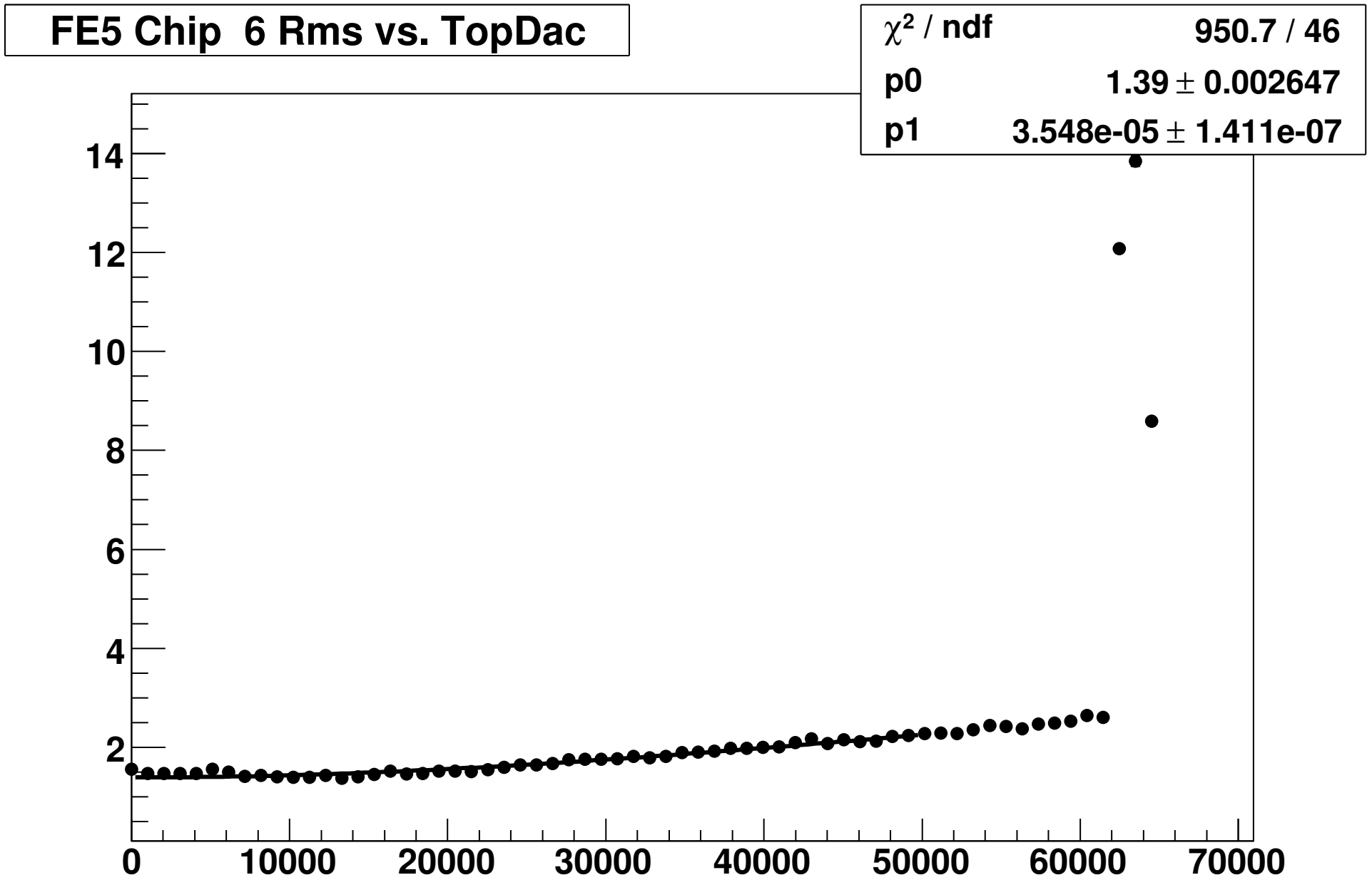
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 950.7 / 46
p0 1.39 ± 0.002647
p1 3.548e-05 ± 1.411e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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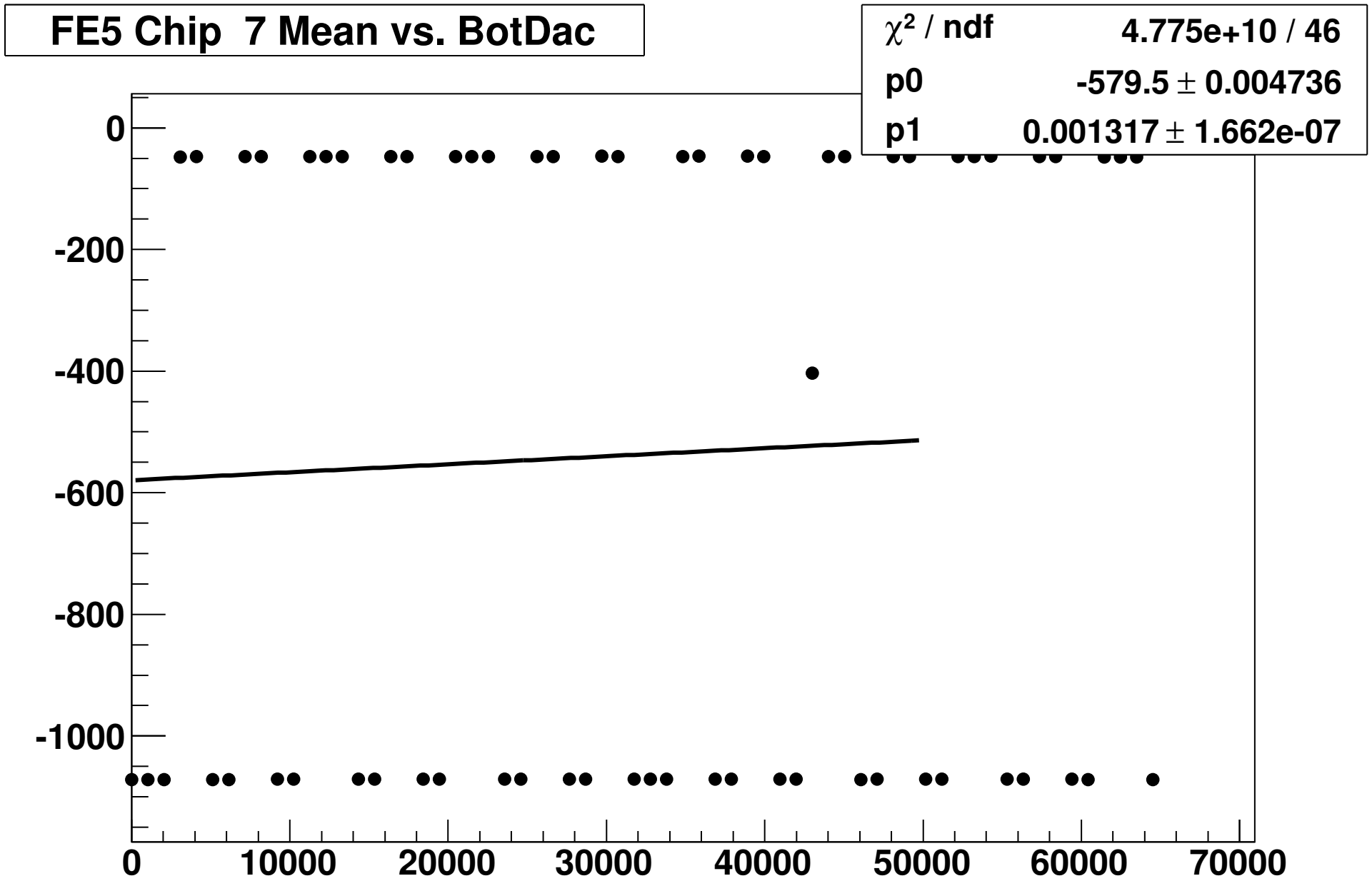
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 4.775e+10 / 46
p0 -579.5 ± 0.004736
p1 0.001317 ± 1.662e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
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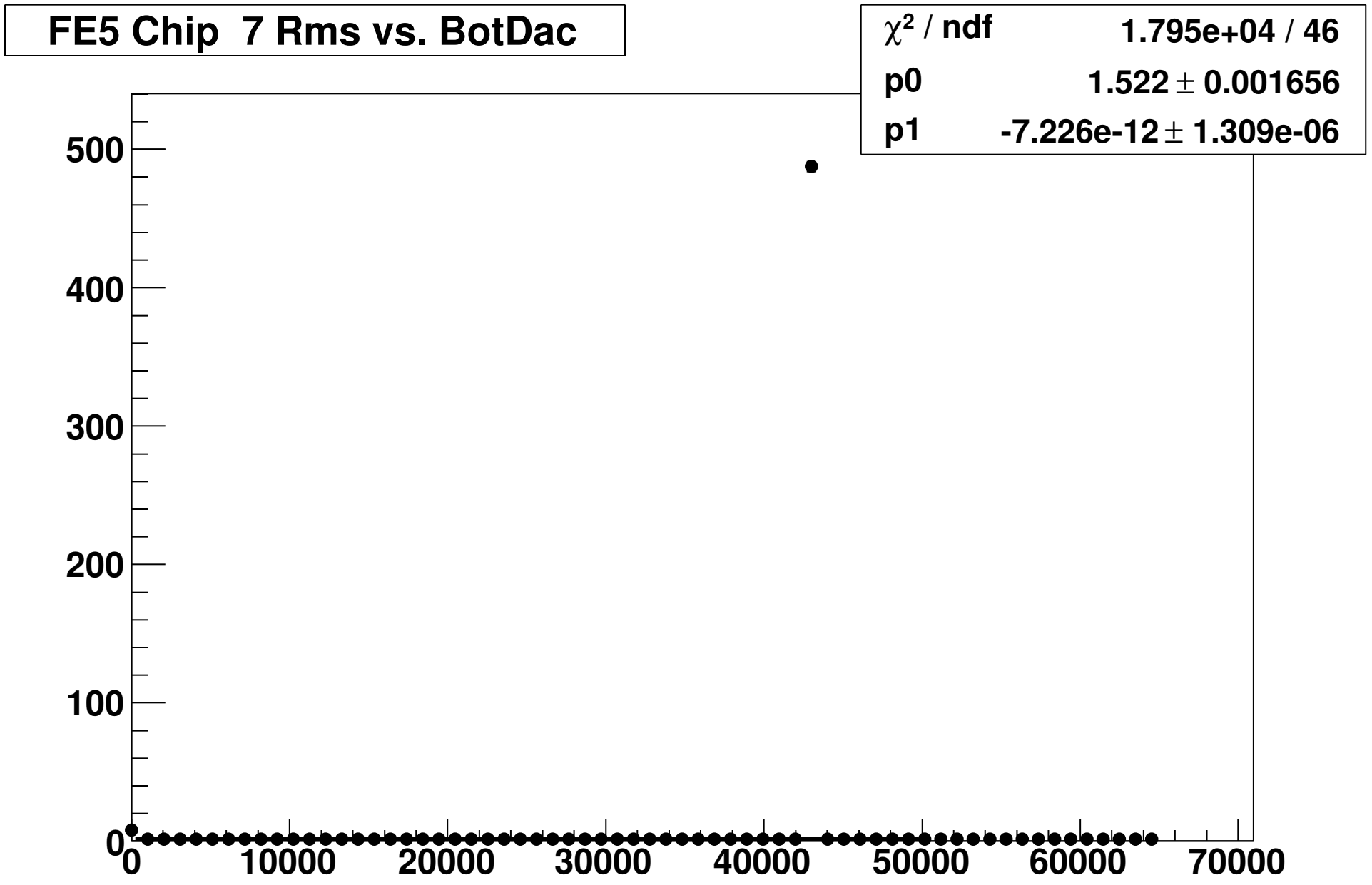
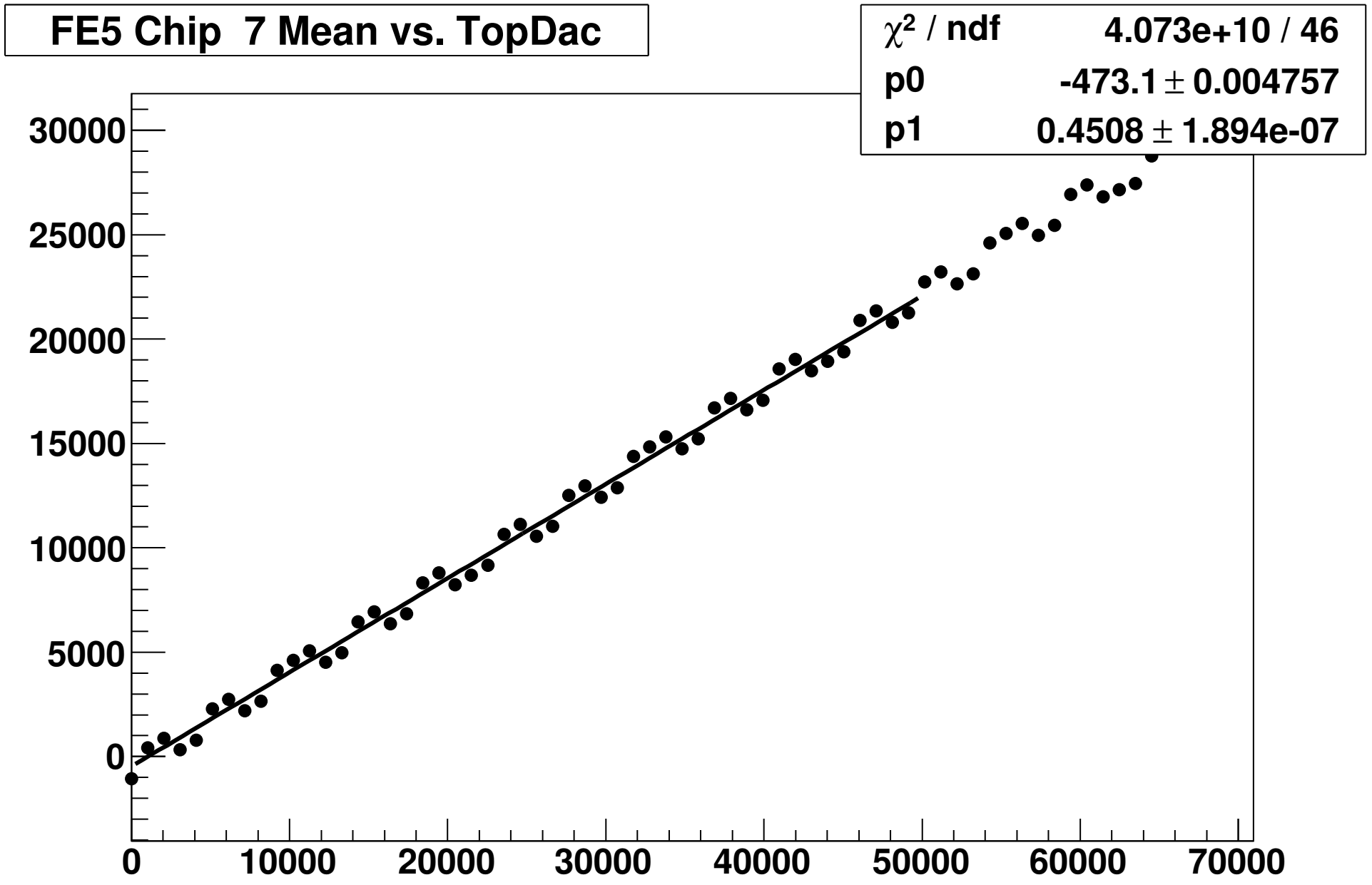
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 1.795e+04 / 46
p0 1.522 ± 0.001656
p1 -7.226e-12 ± 1.309e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 4.073e+10 / 46
p0 -473.1 ± 0.004757
p1 0.4508 ± 1.894e-07
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5000
0
0
10000
20000
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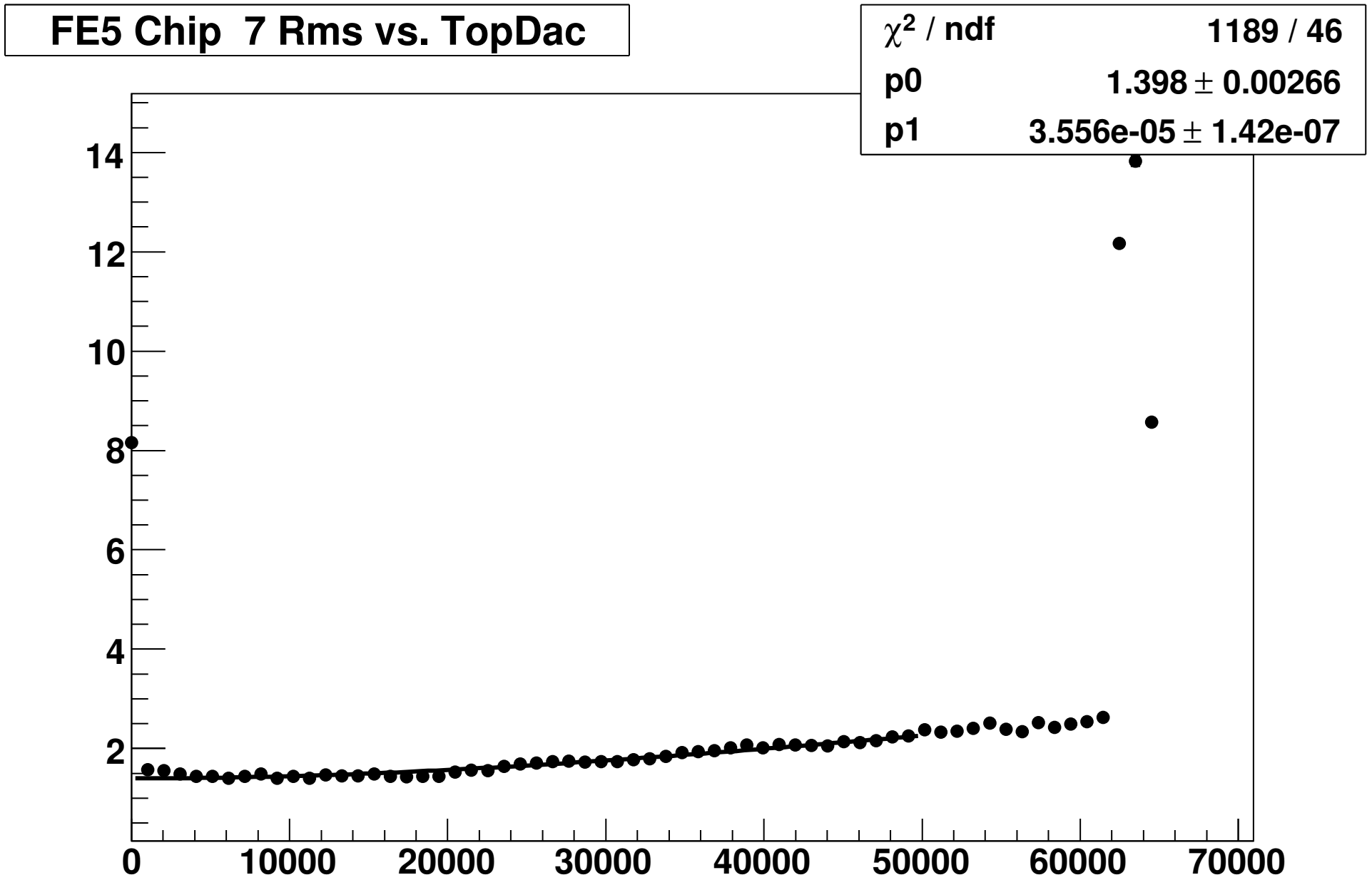
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1189 / 46
p0 1.398 ± 0.00266
p1 3.556e-05 ± 1.42e-07
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12
10
8
6
4
2
0
10000
20000
30000
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50000
60000
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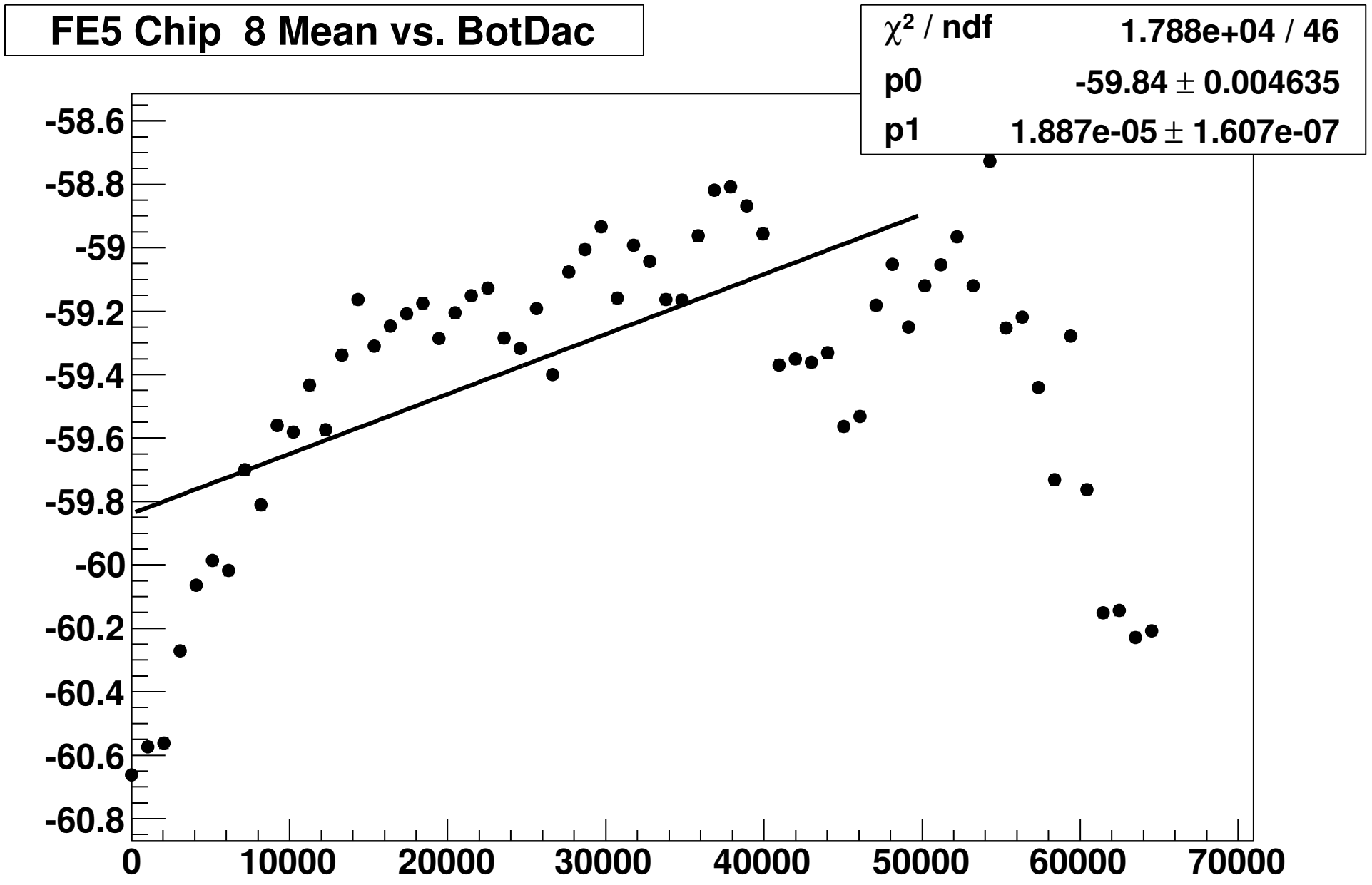
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1.788e+04 / 46
p0 -59.84 ± 0.004635
p1 1.887e-05 ± 1.607e-07
-58.6
-58.8
-59
-59.2
-59.4
-59.6
-59.8
-60
-60.2
-60.4
-60.6
-60.8
0
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20000
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60000
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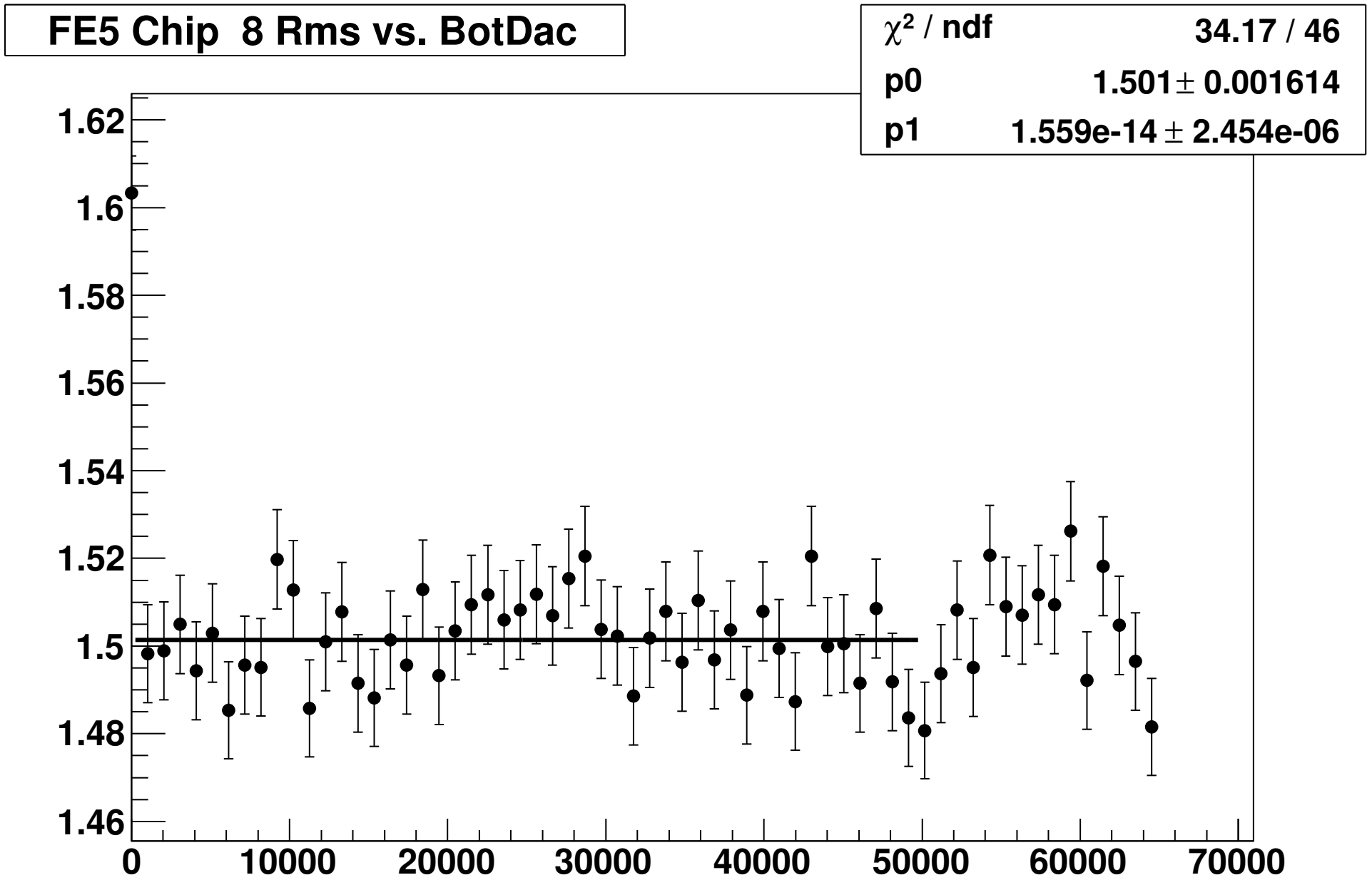
FE5 Chip 8 Rms vs. BotDac
χ² / ndf 34.17 / 46
p0 1.501 ± 0.001614
p1 1.559e-14 ± 2.454e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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20000
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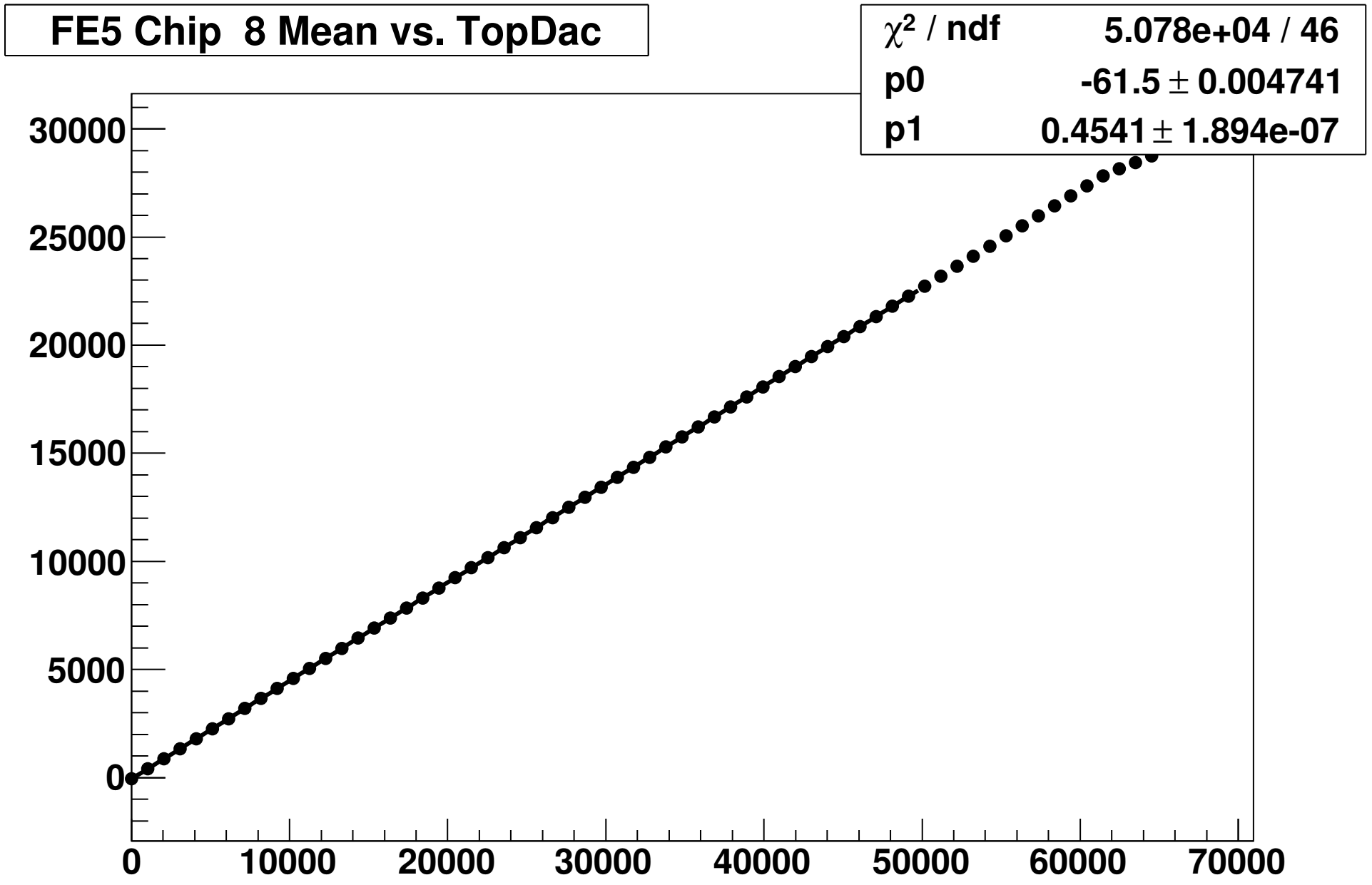
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.078e+04 / 46
p0 -61.5 ± 0.004741
p1 0.4541 ± 1.894e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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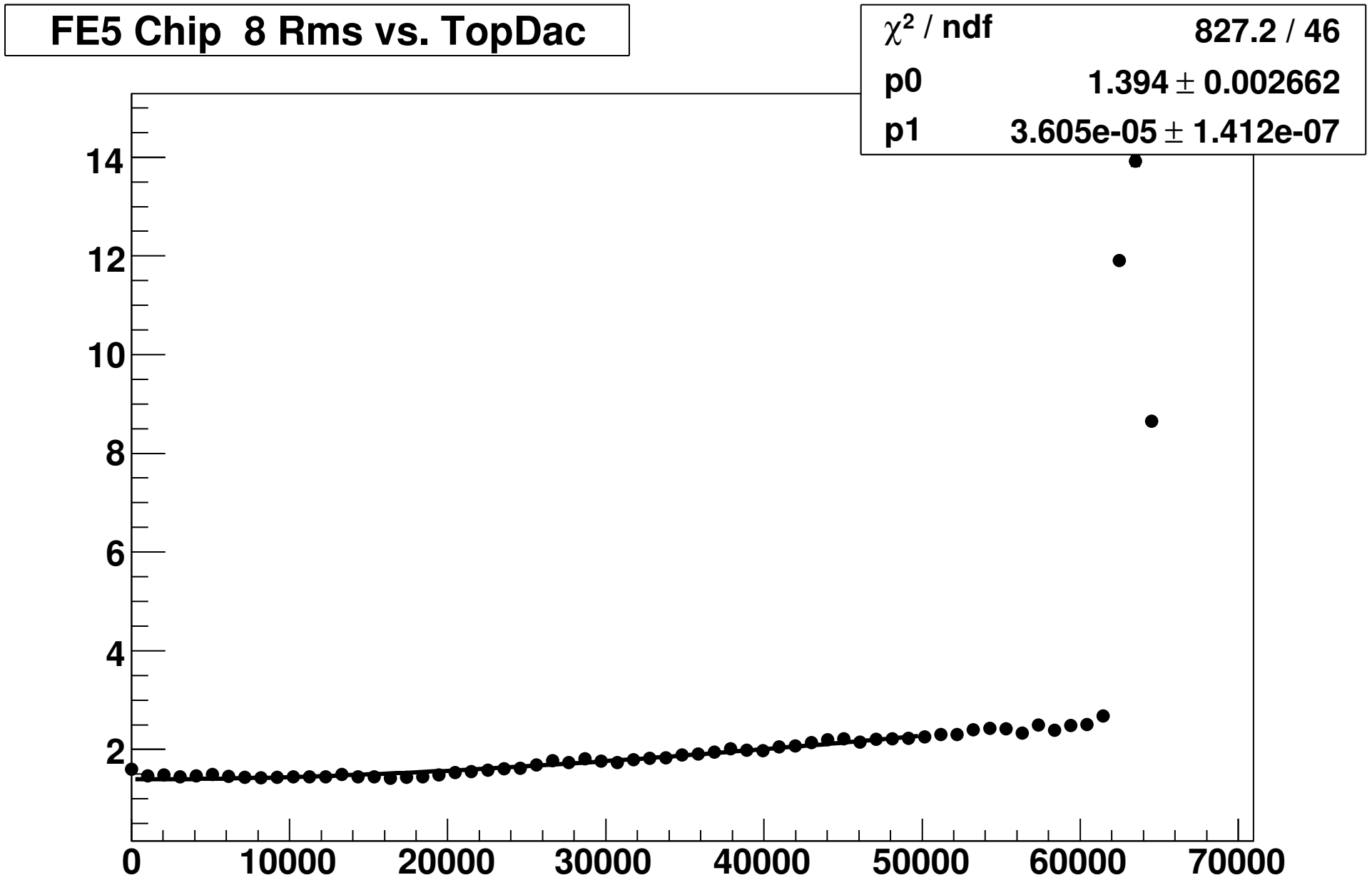
FE5 Chip 8 Rms vs. TopDac
χ² / ndf 827.2 / 46
p0 1.394 ± 0.002662
p1 3.605e-05 ± 1.412e-07
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12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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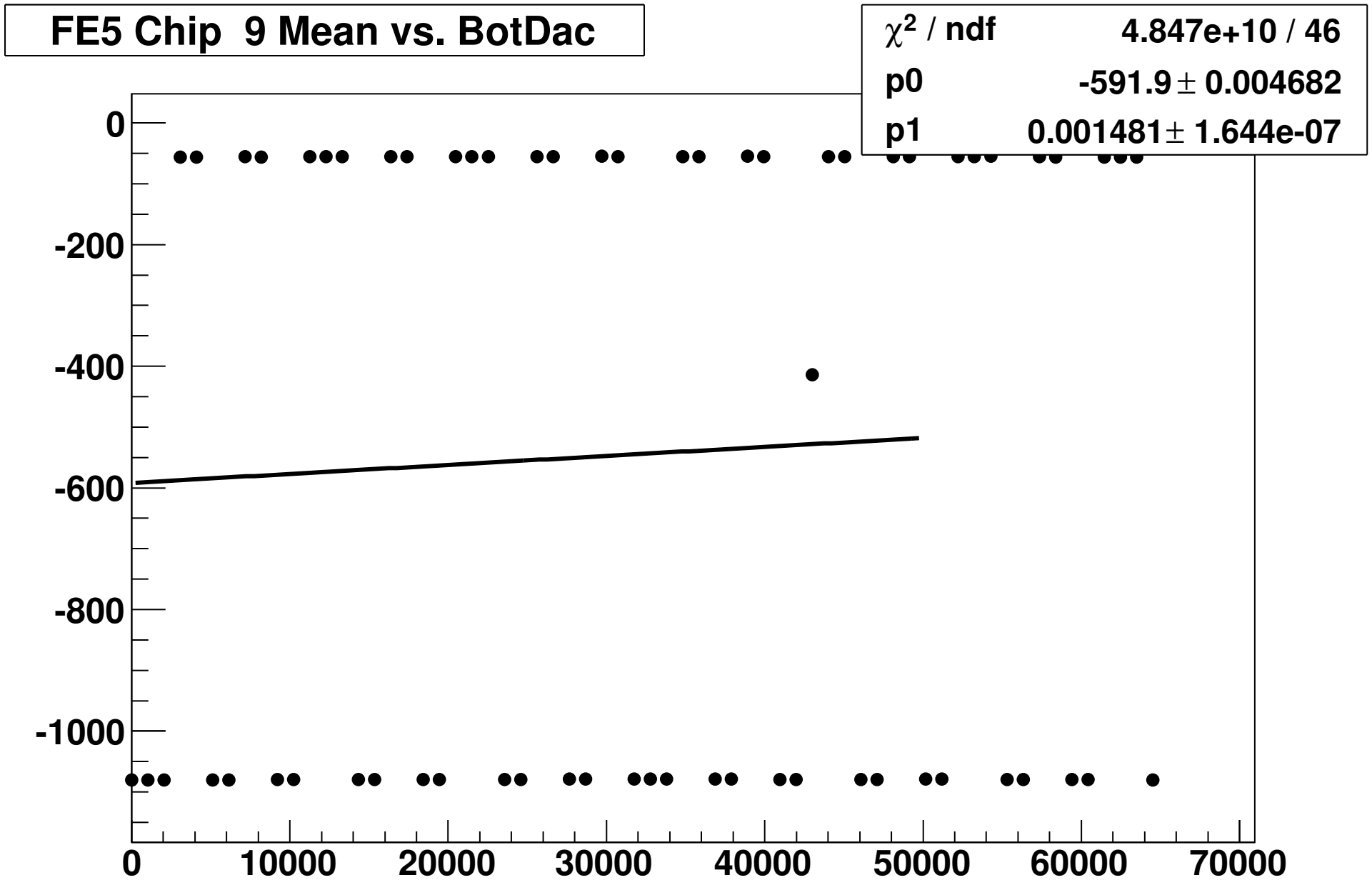
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 4.847e+10 / 46
p0 -591.9 ± 0.004682
p1 0.001481 ± 1.644e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
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50000
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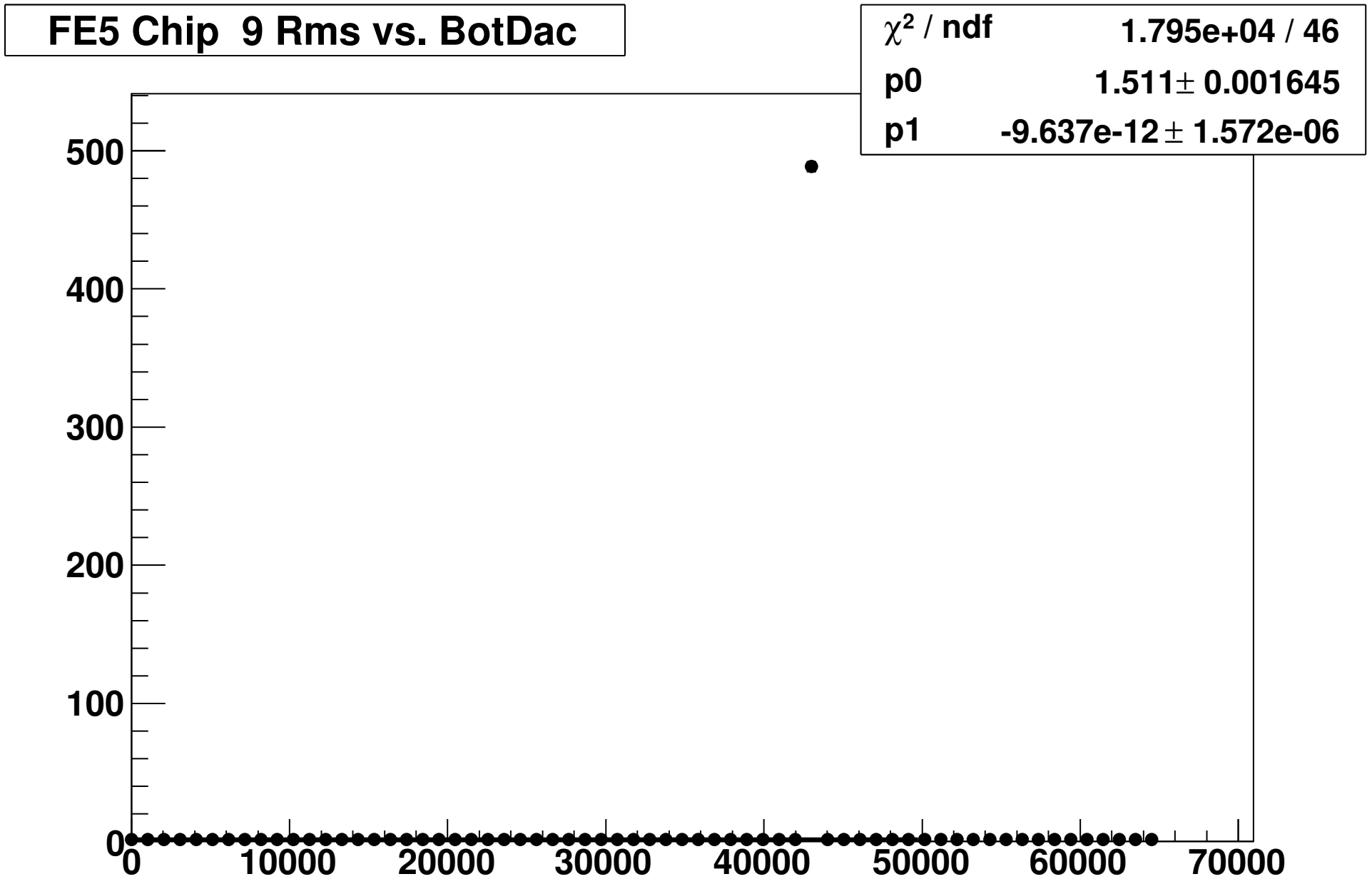
FE5 Chip 9 Rms vs. BotDac
χ² / ndf 1.795e+04 / 46
p0 1.511 ± 0.001645
p1 -9.637e-12 ± 1.572e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
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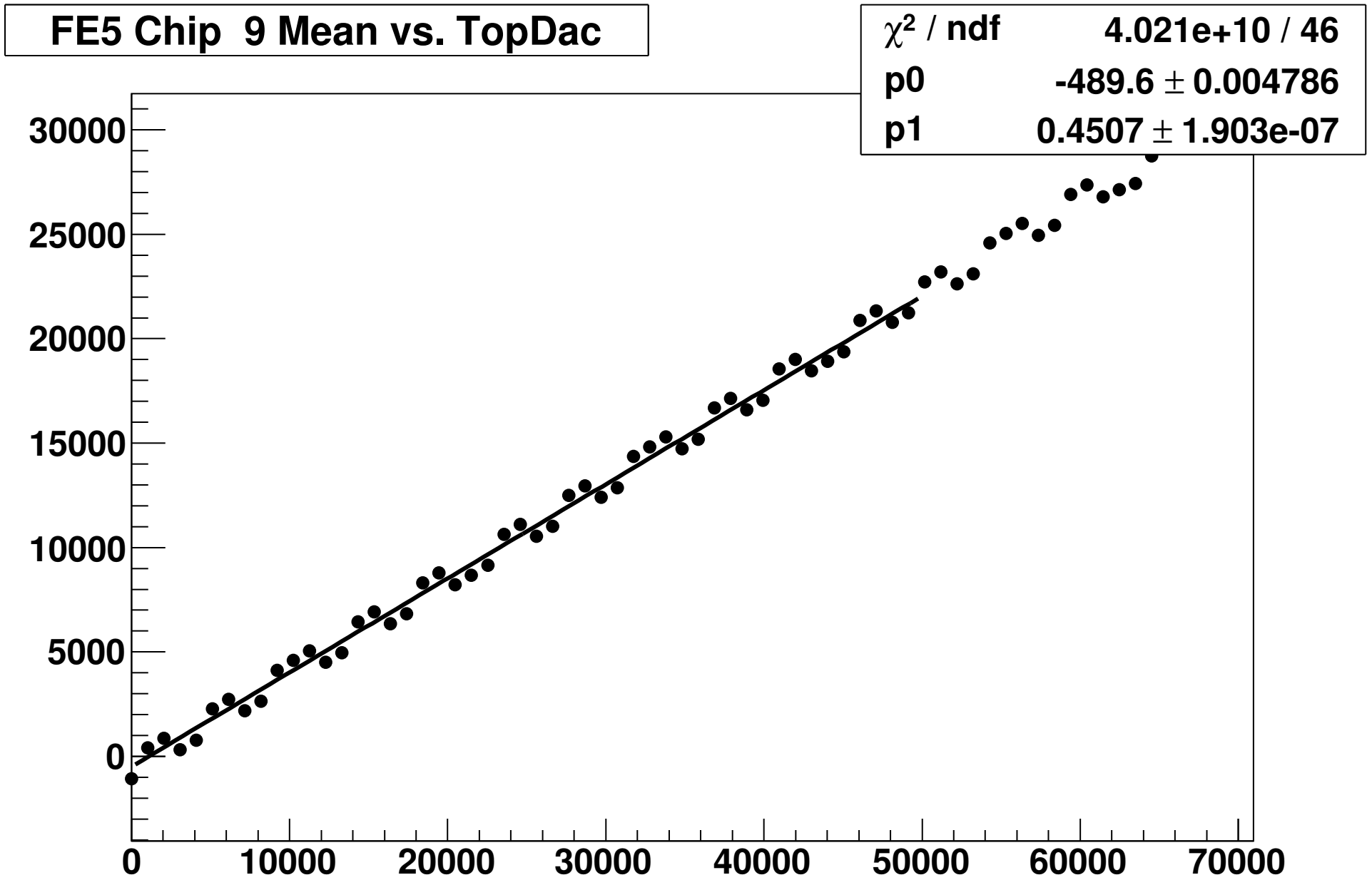
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 4.021e+10 / 46
p0 -489.6 ± 0.004786
p1 0.4507 ± 1.903e-07
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25000
20000
15000
10000
5000
0
0
10000
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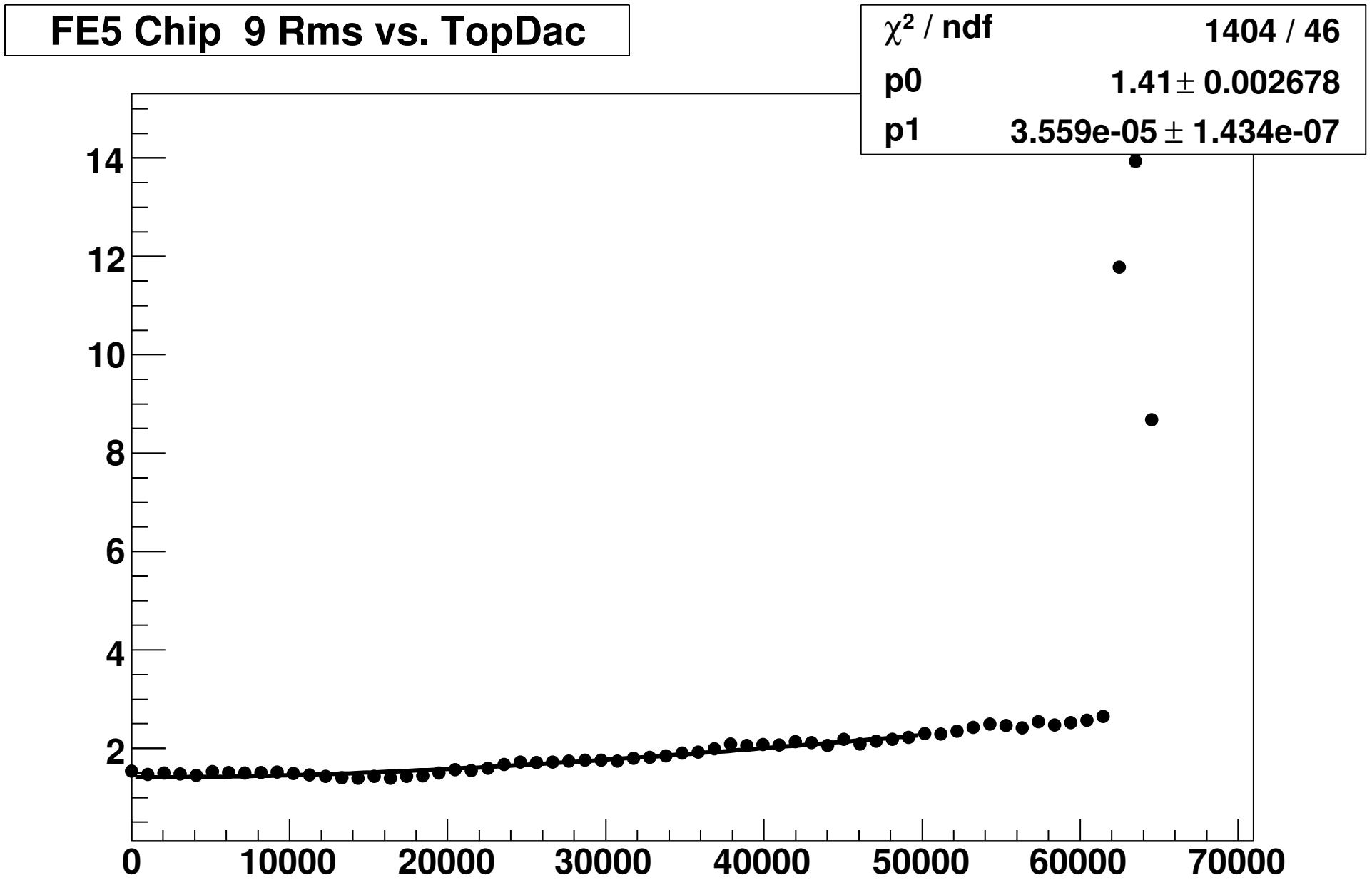
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1404 / 46
p0 1.41 ± 0.002678
p1 3.559e-05 ± 1.434e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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60000
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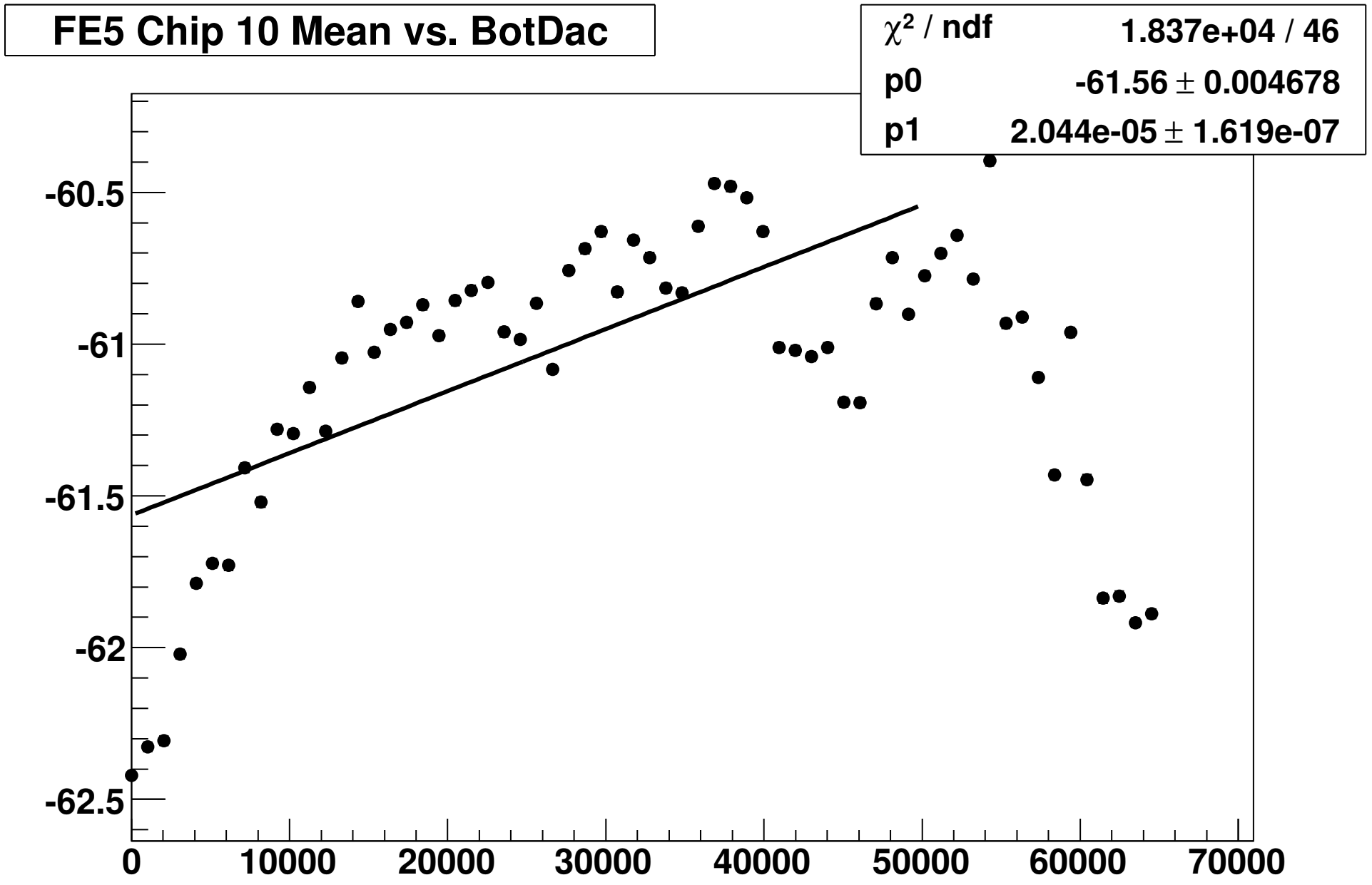
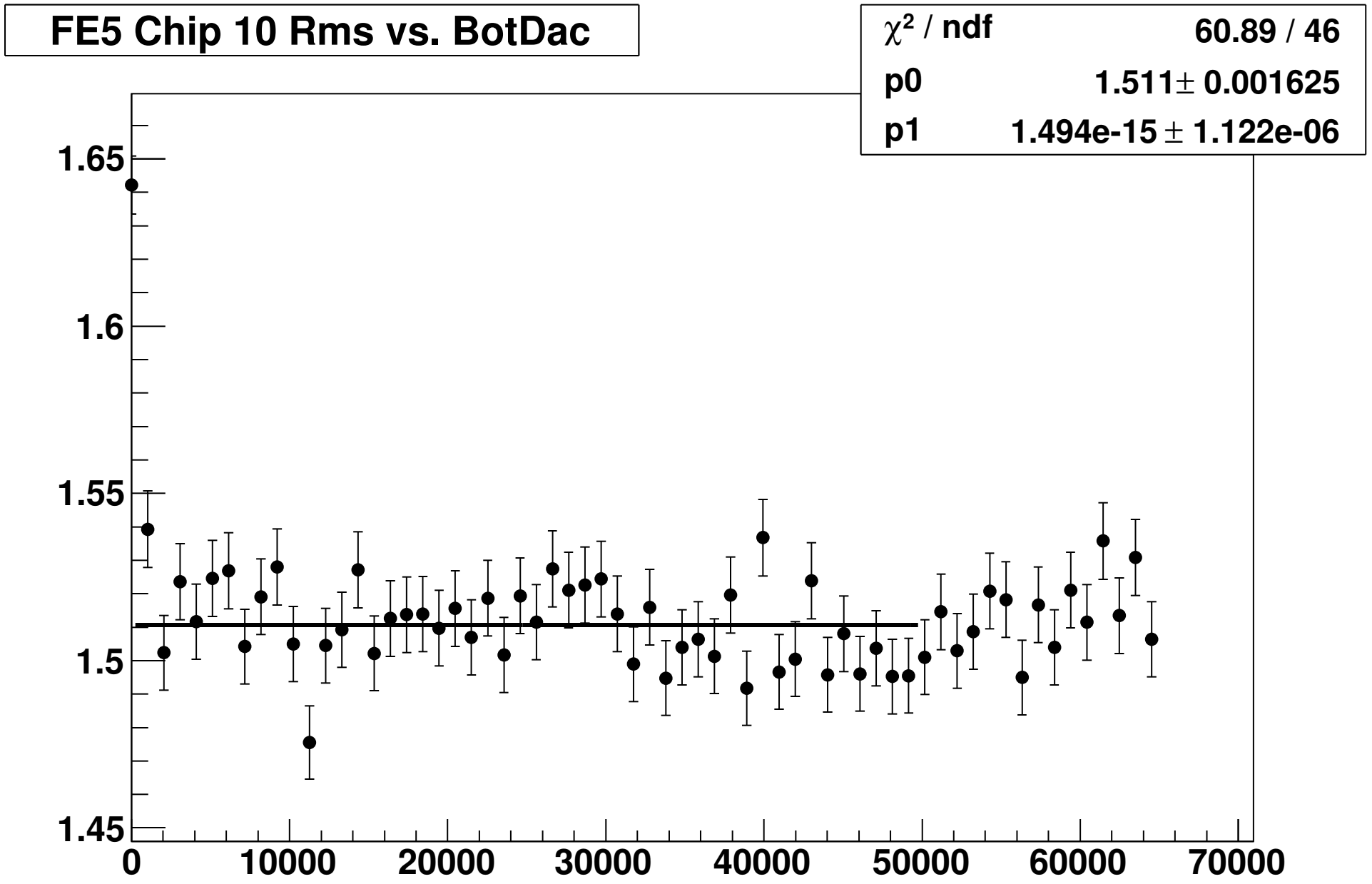
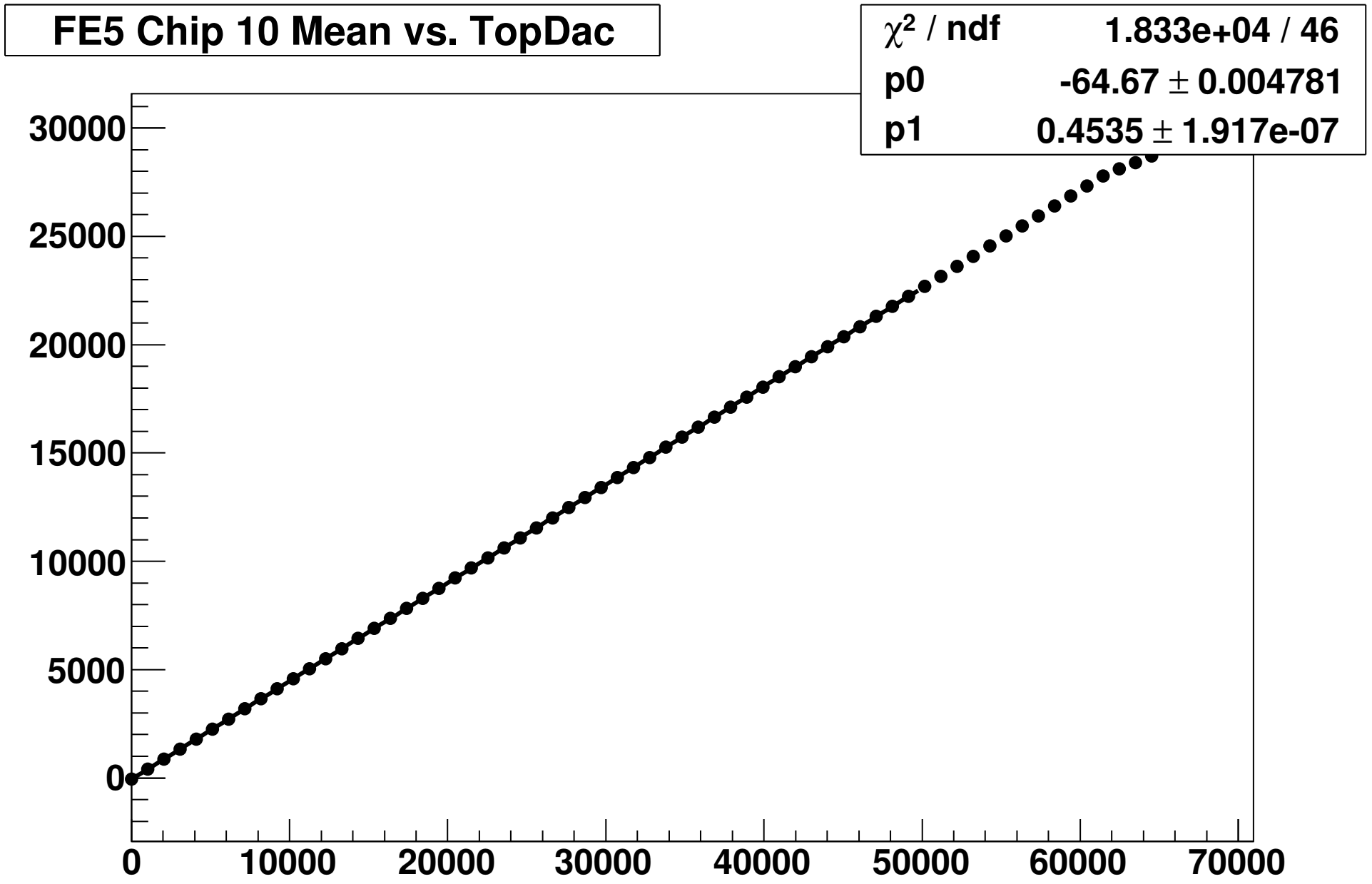

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 1.837e+04 / 46
p0 -61.56 ± 0.004678
p1 2.044e-05 ± 1.619e-07
-60.5
-61
-61.5
-62
-62.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 60.89 / 46
p0 1.511 ± 0.001625
p1 1.494e-15 ± 1.122e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.833e+04 / 46
p0 -64.67 ± 0.004781
p1 0.4535 ± 1.917e-07
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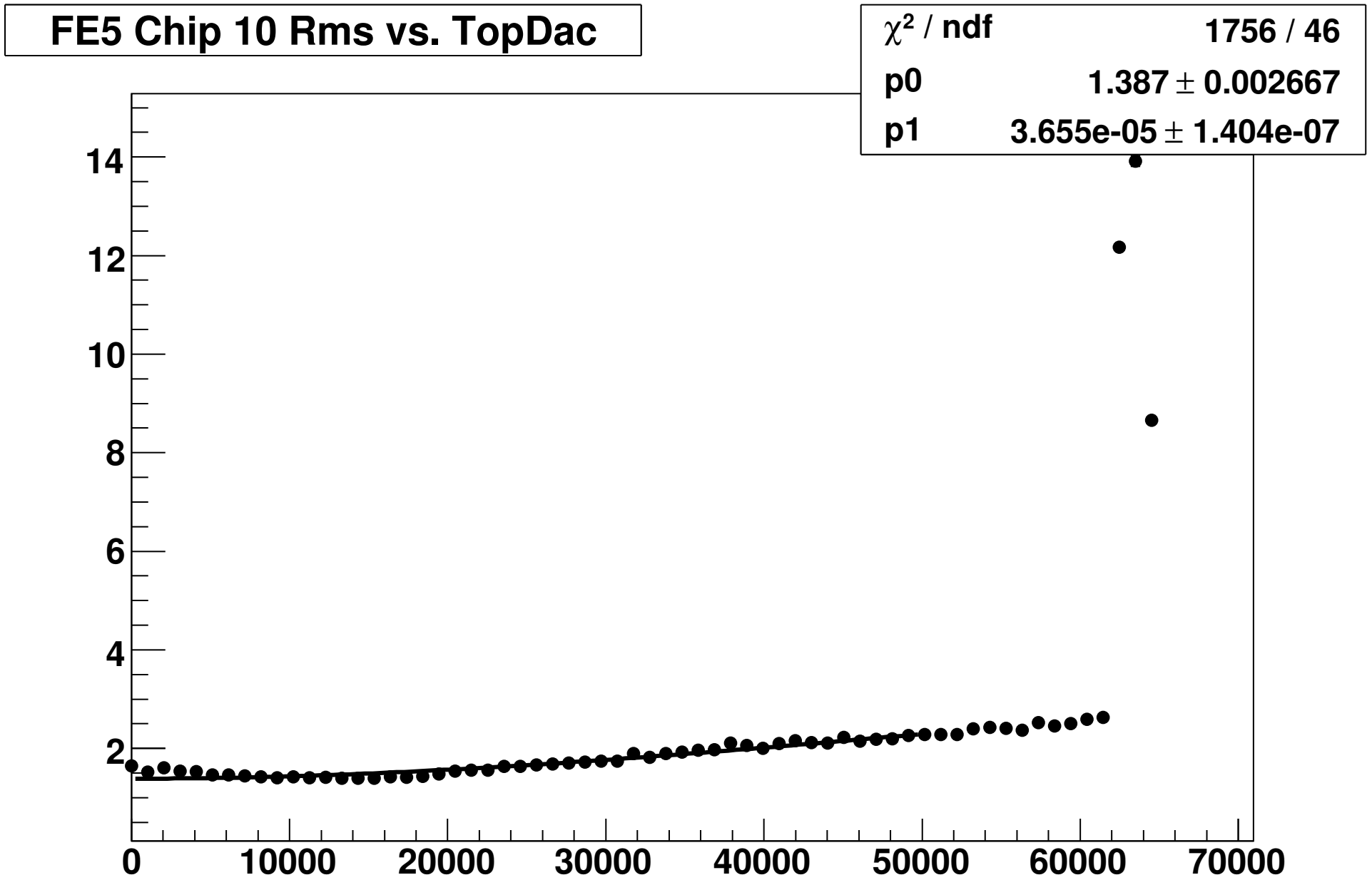
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1756 / 46
p0 1.387 ± 0.002667
p1 3.655e-05 ± 1.404e-07
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12
10
8
6
4
2
0
10000
20000
30000
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50000
60000
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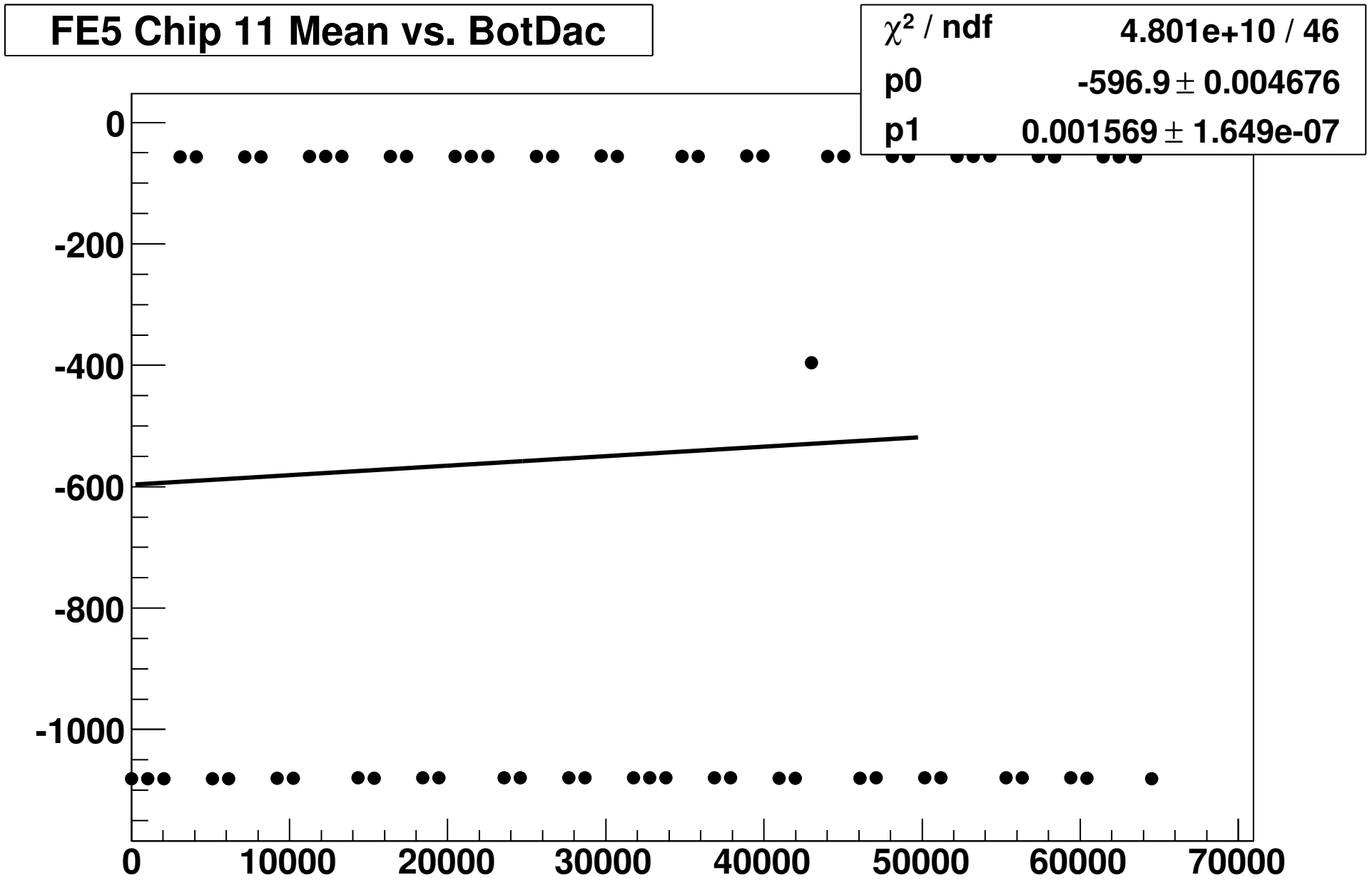
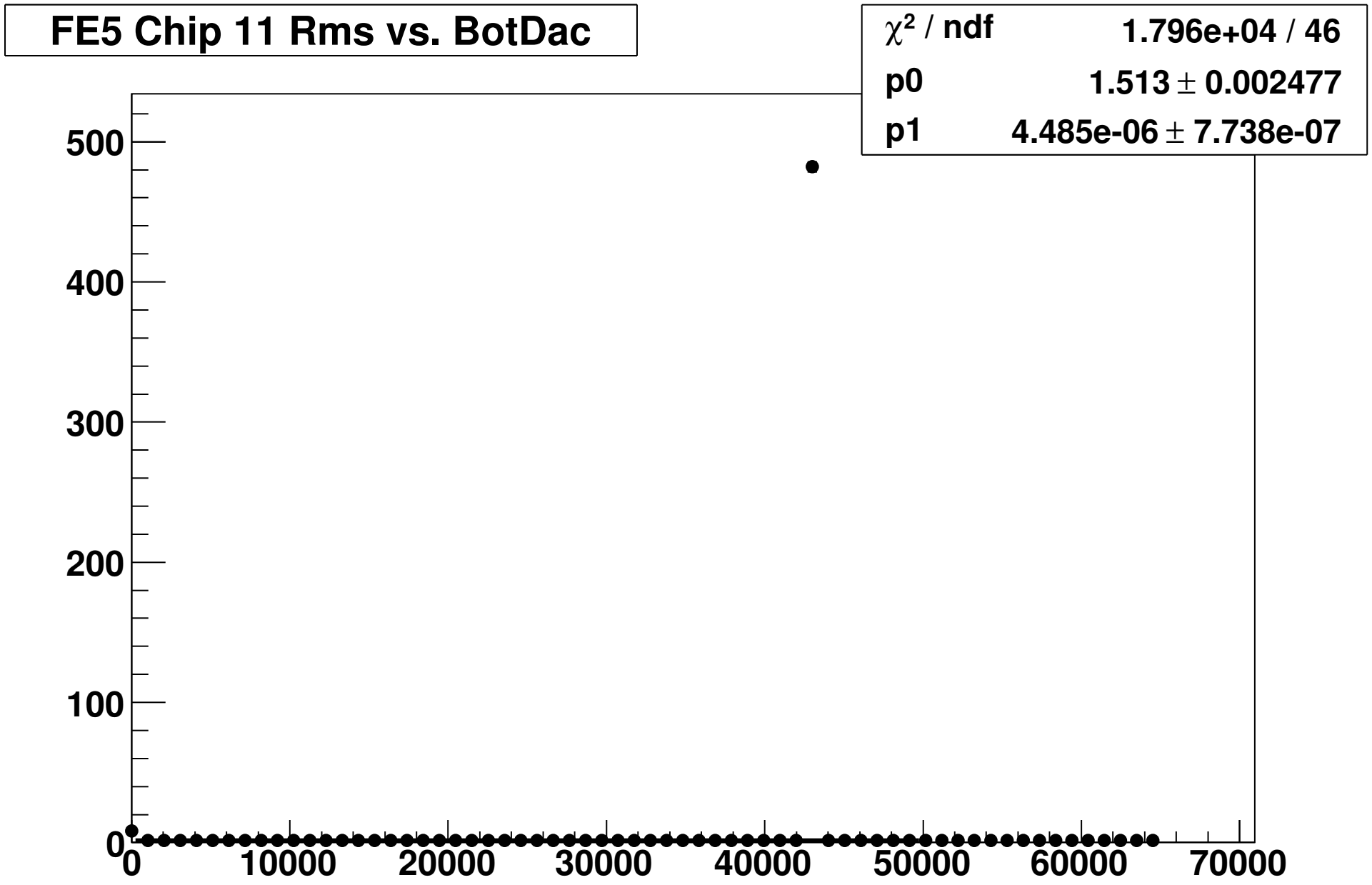
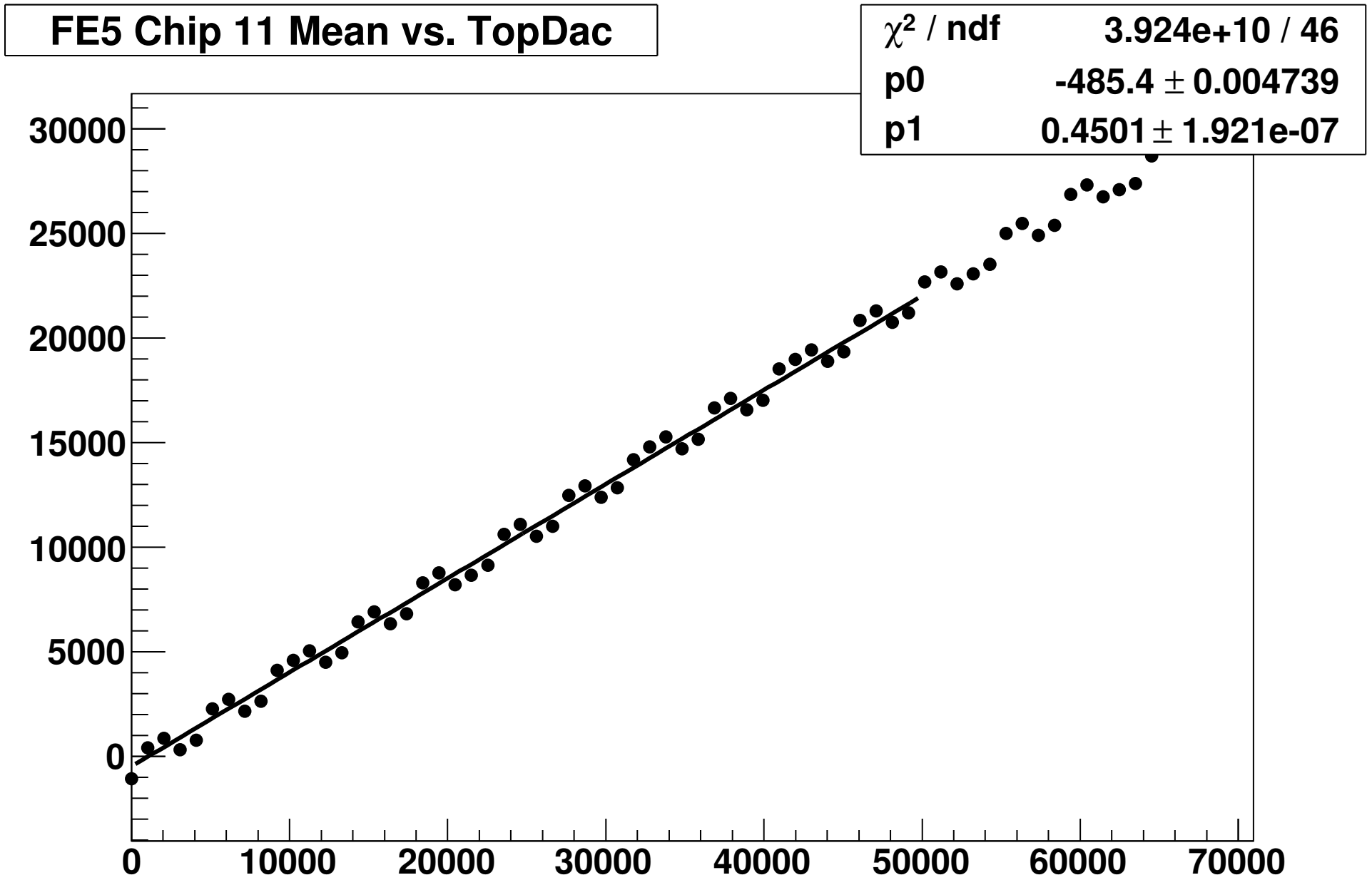

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 4.801e+10 / 46
p0 -596.9 ± 0.004676
p1 0.001569 ± 1.649e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 1.796e+04 / 46
p0 1.513 ± 0.002477
p1 4.485e-06 ± 7.738e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 3.924e+10 / 46
p0 -485.4 ± 0.004739
p1 0.4501 ± 1.921e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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60000
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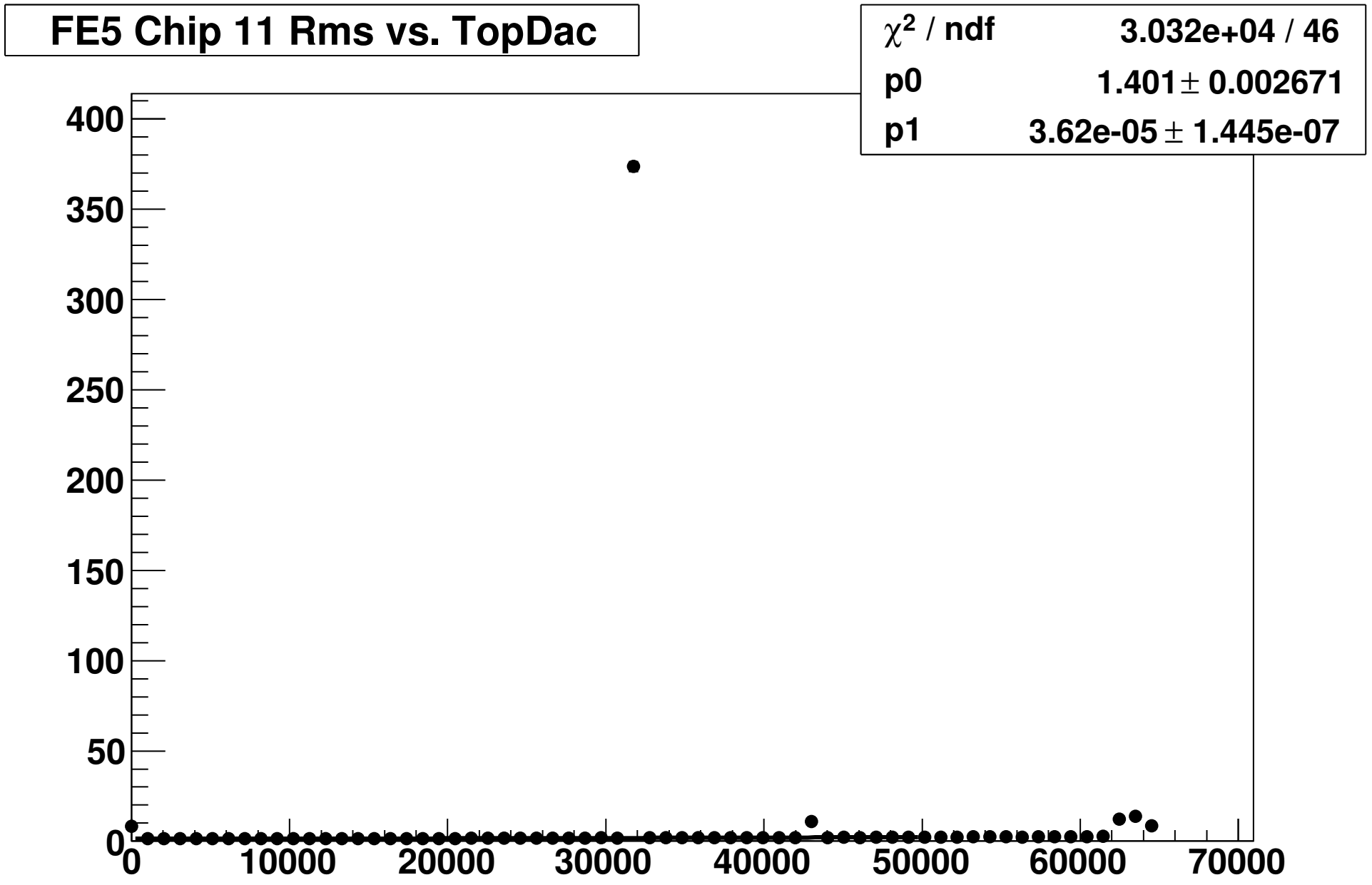
FE5 Chip 11 Rms vs. TopDac
χ² / ndf 3.032e+04 / 46
p0 1.401 ± 0.002671
p1 3.62e-05 ± 1.445e-07
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
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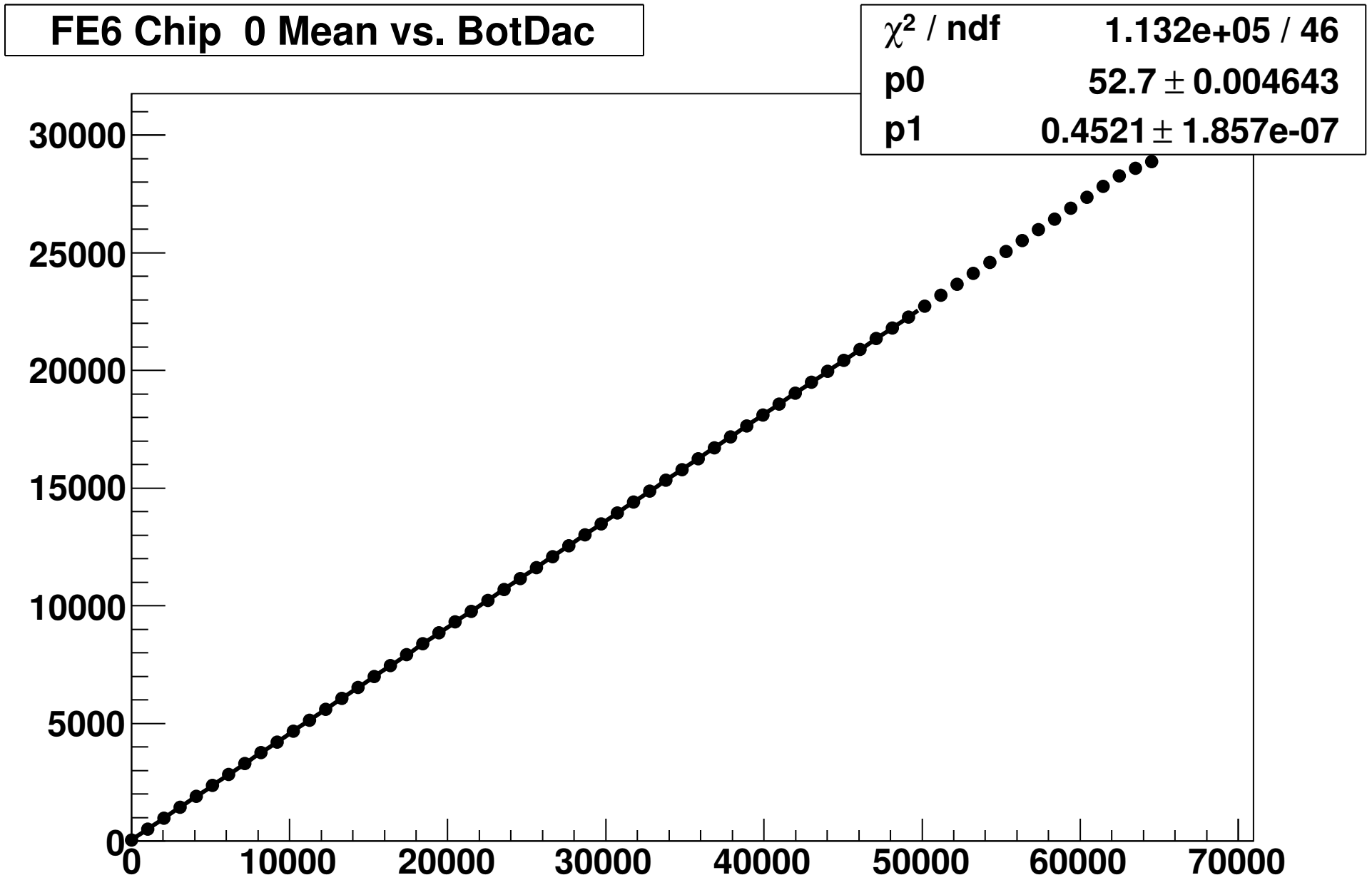
FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.132e+05 / 46
p0 52.7 ± 0.004643
p1 0.4521 ± 1.857e-07
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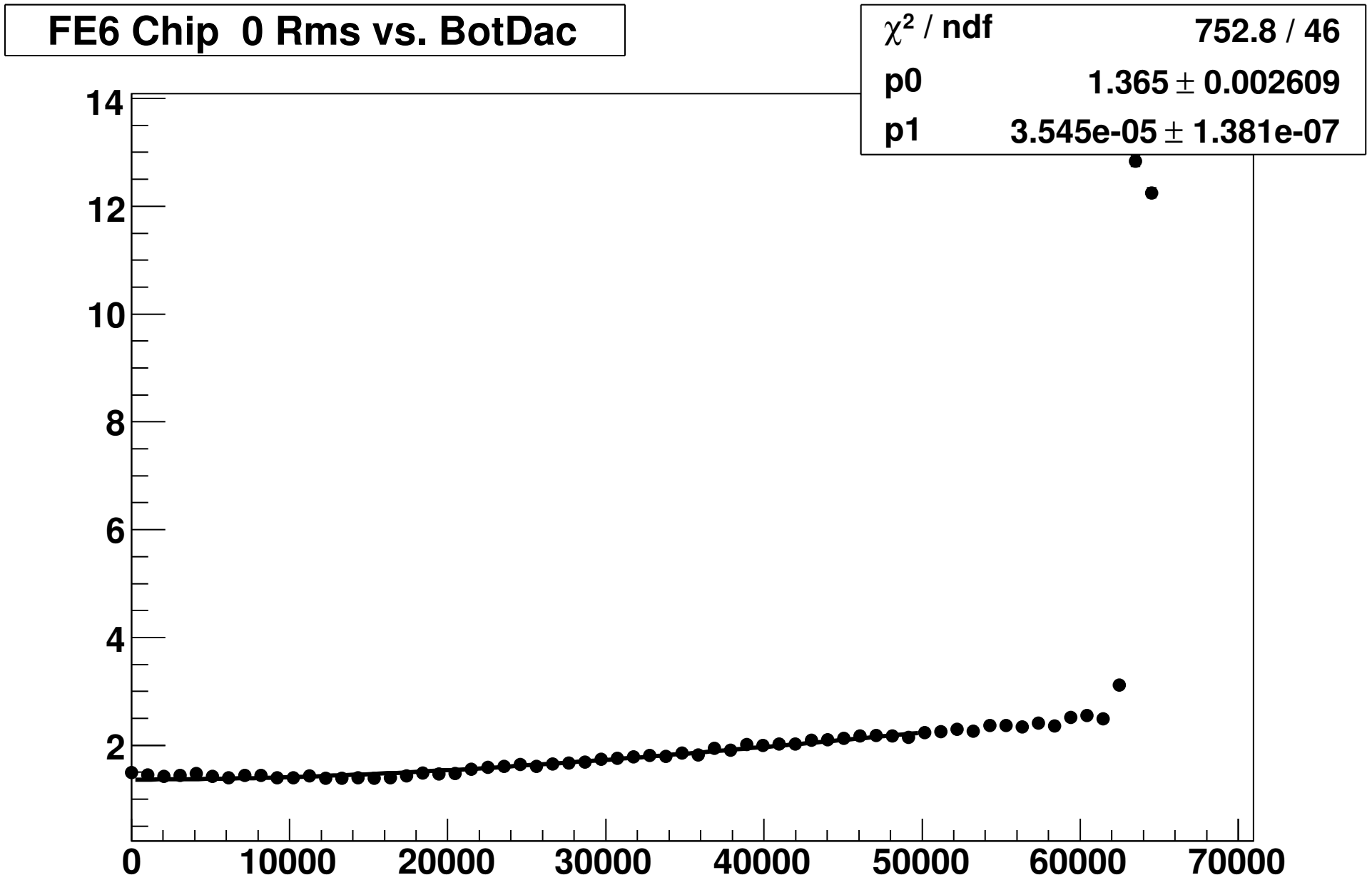
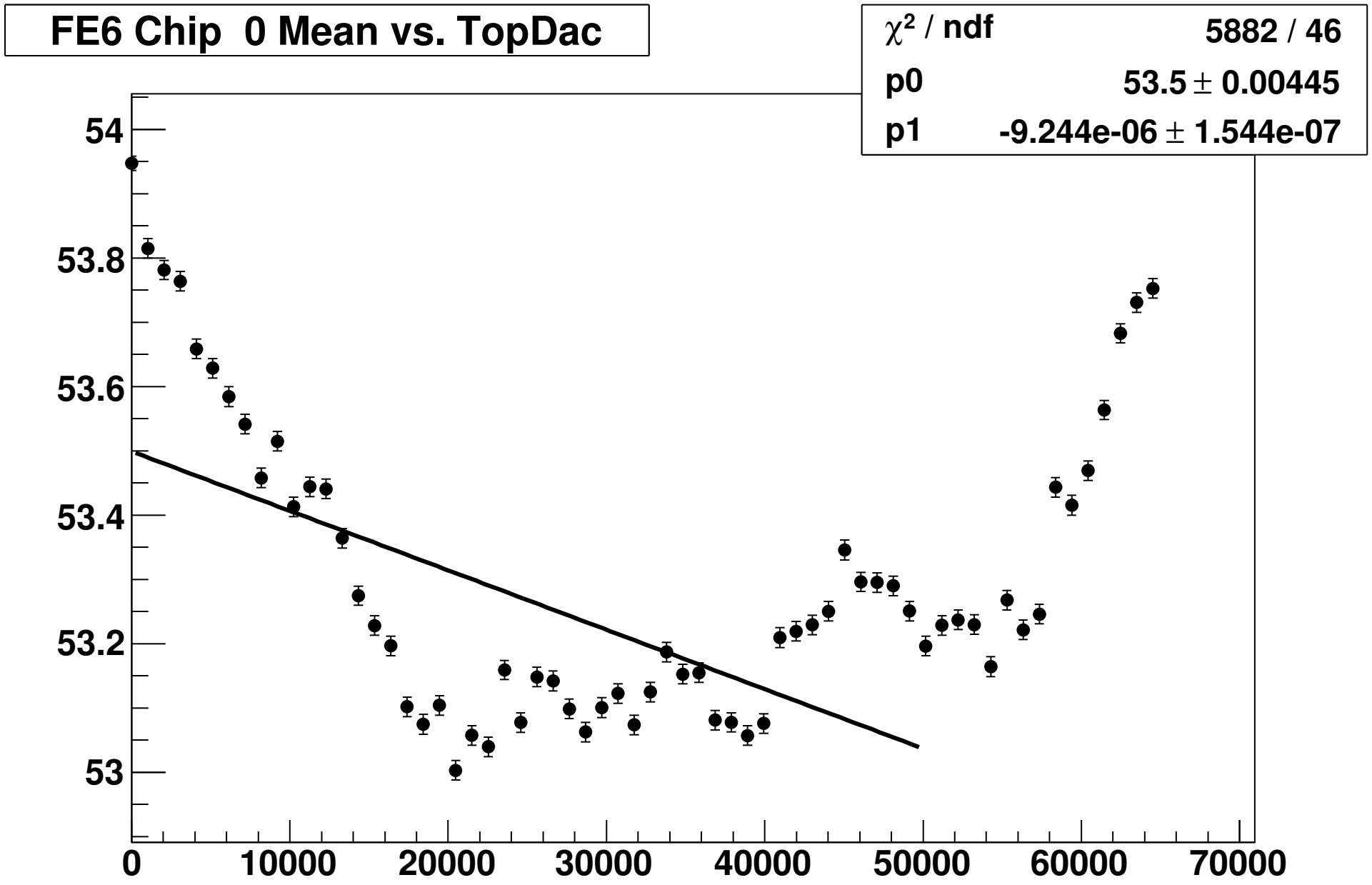
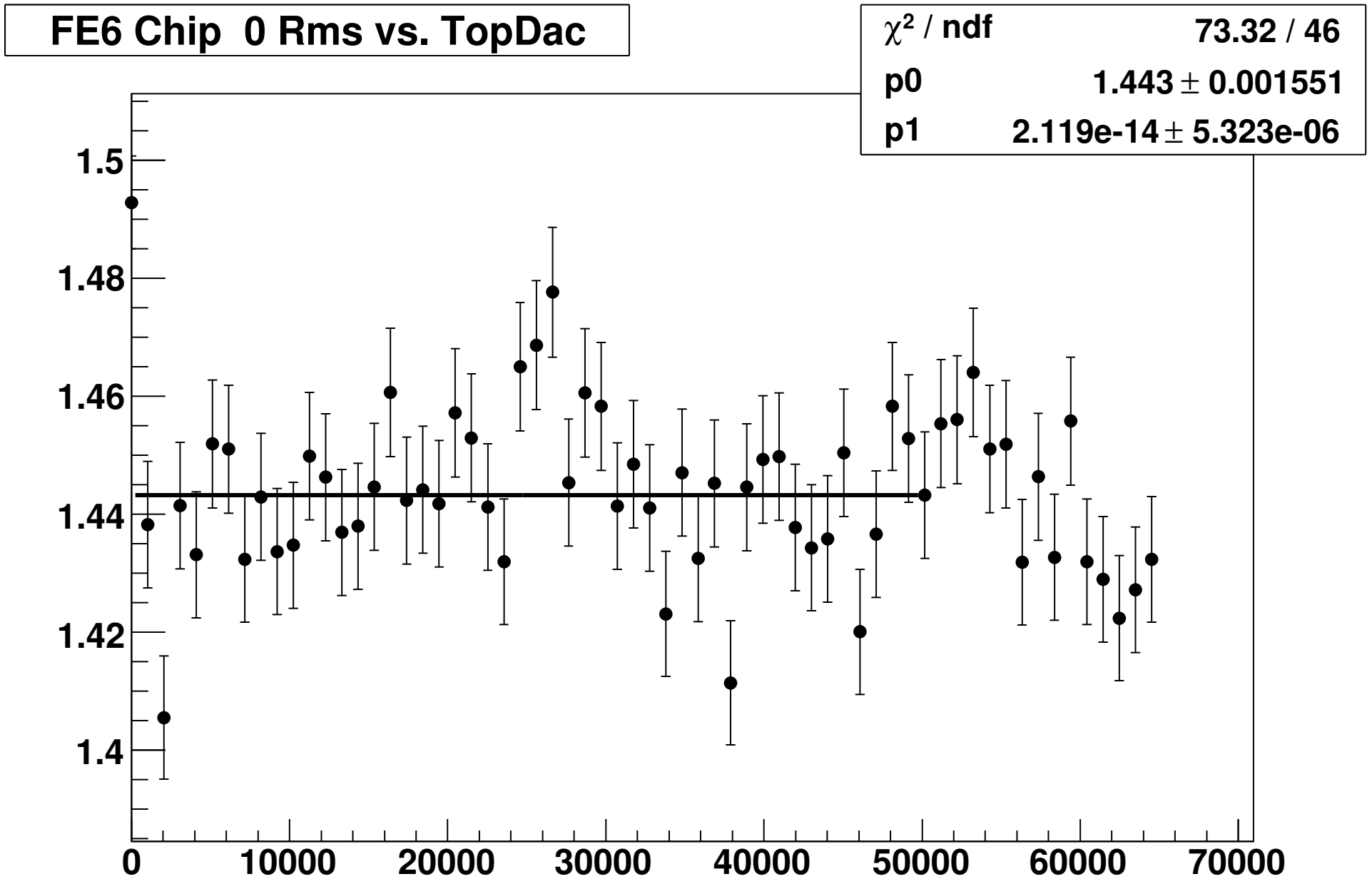
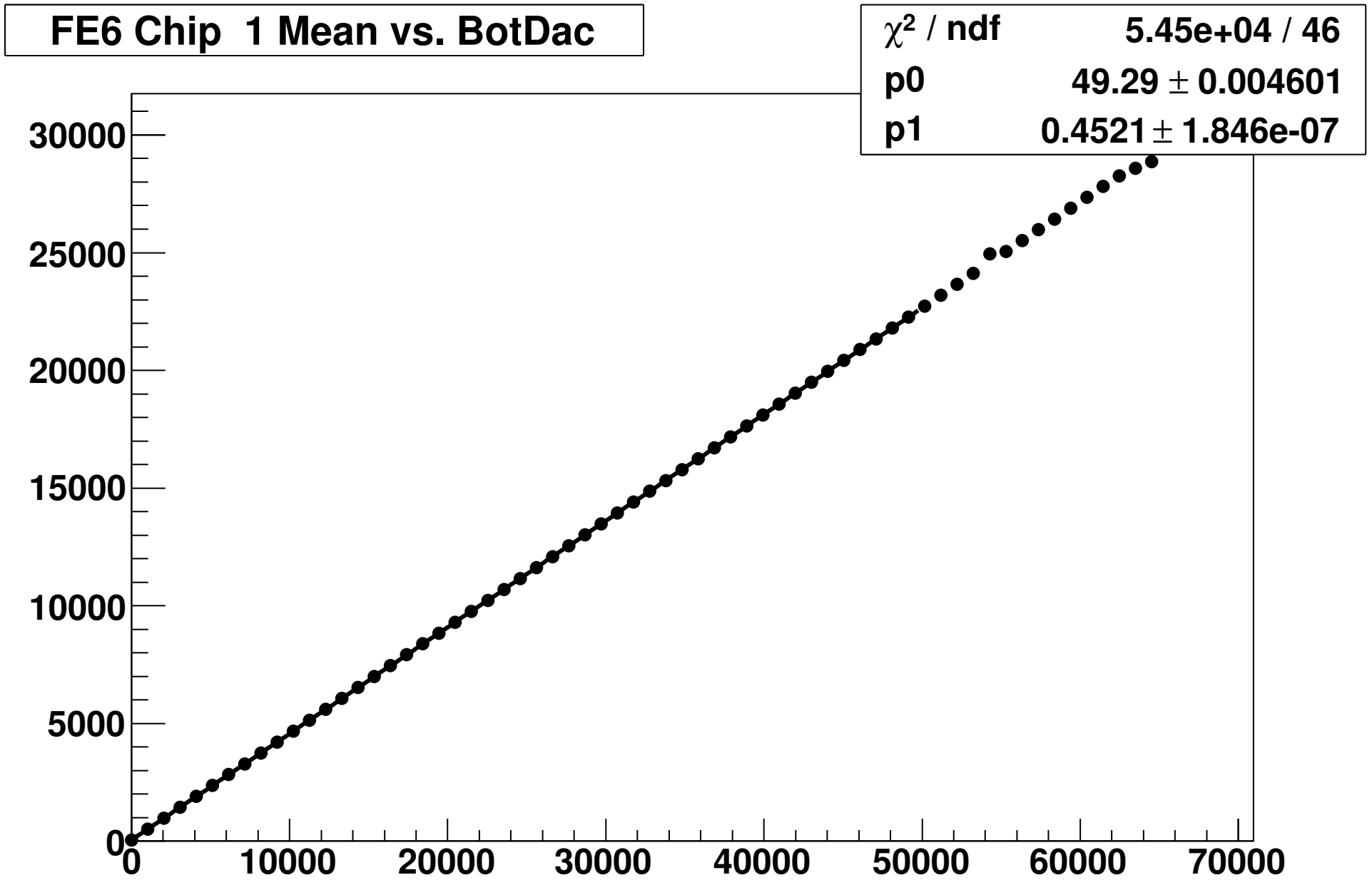
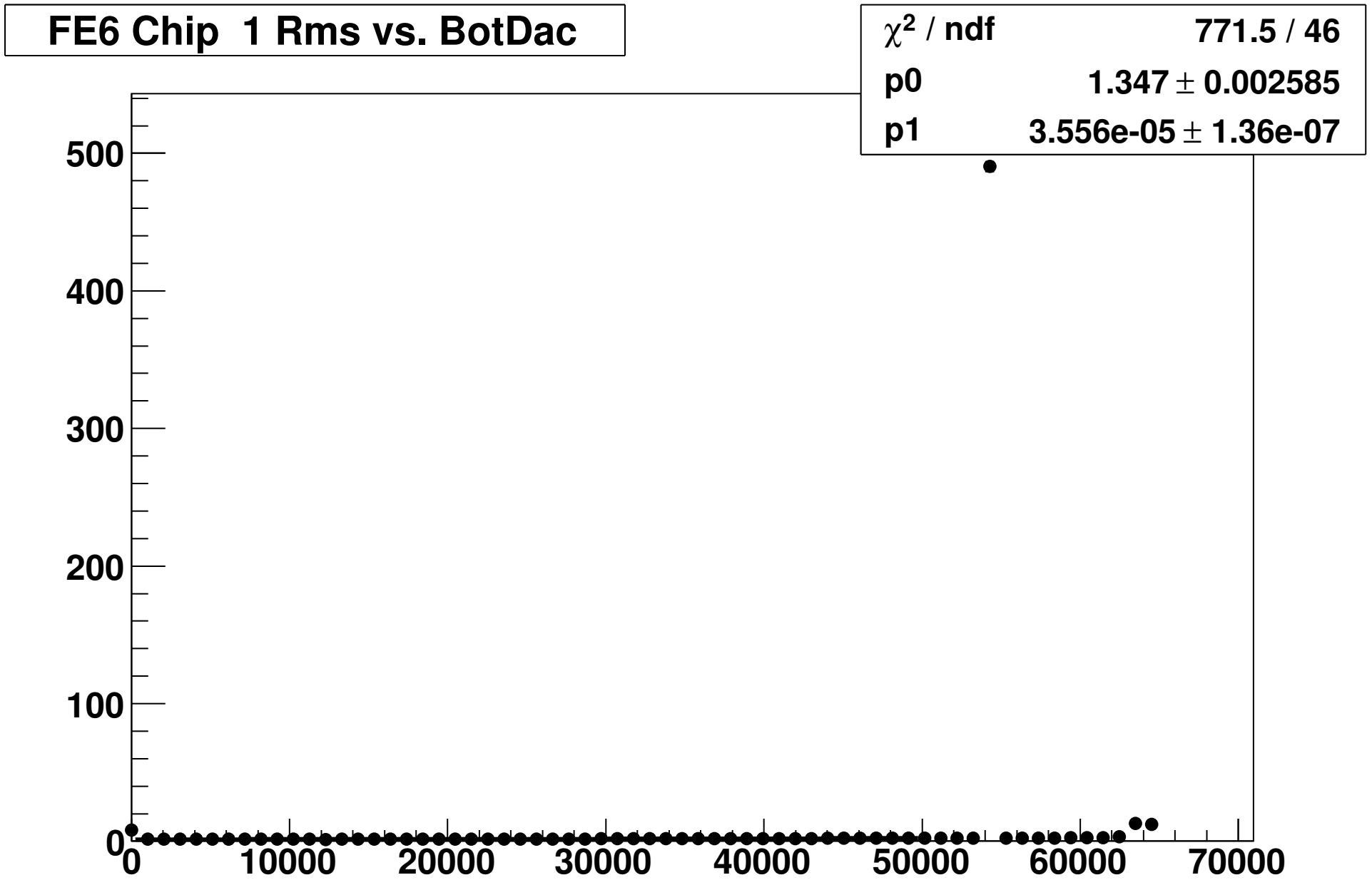
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

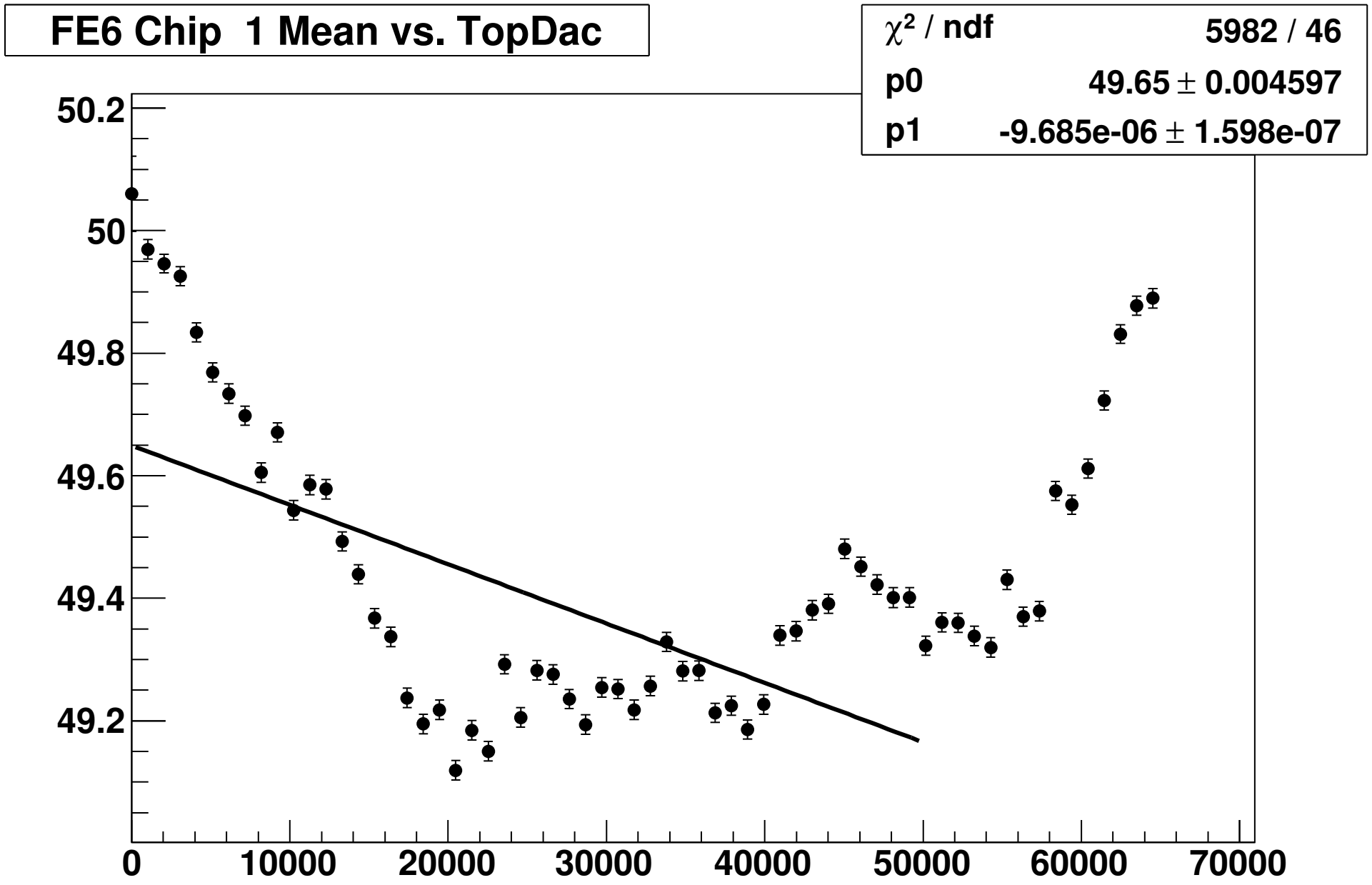

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 752.8 / 46
p0 1.365 ± 0.002609
p1 3.545e-05 ± 1.381e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

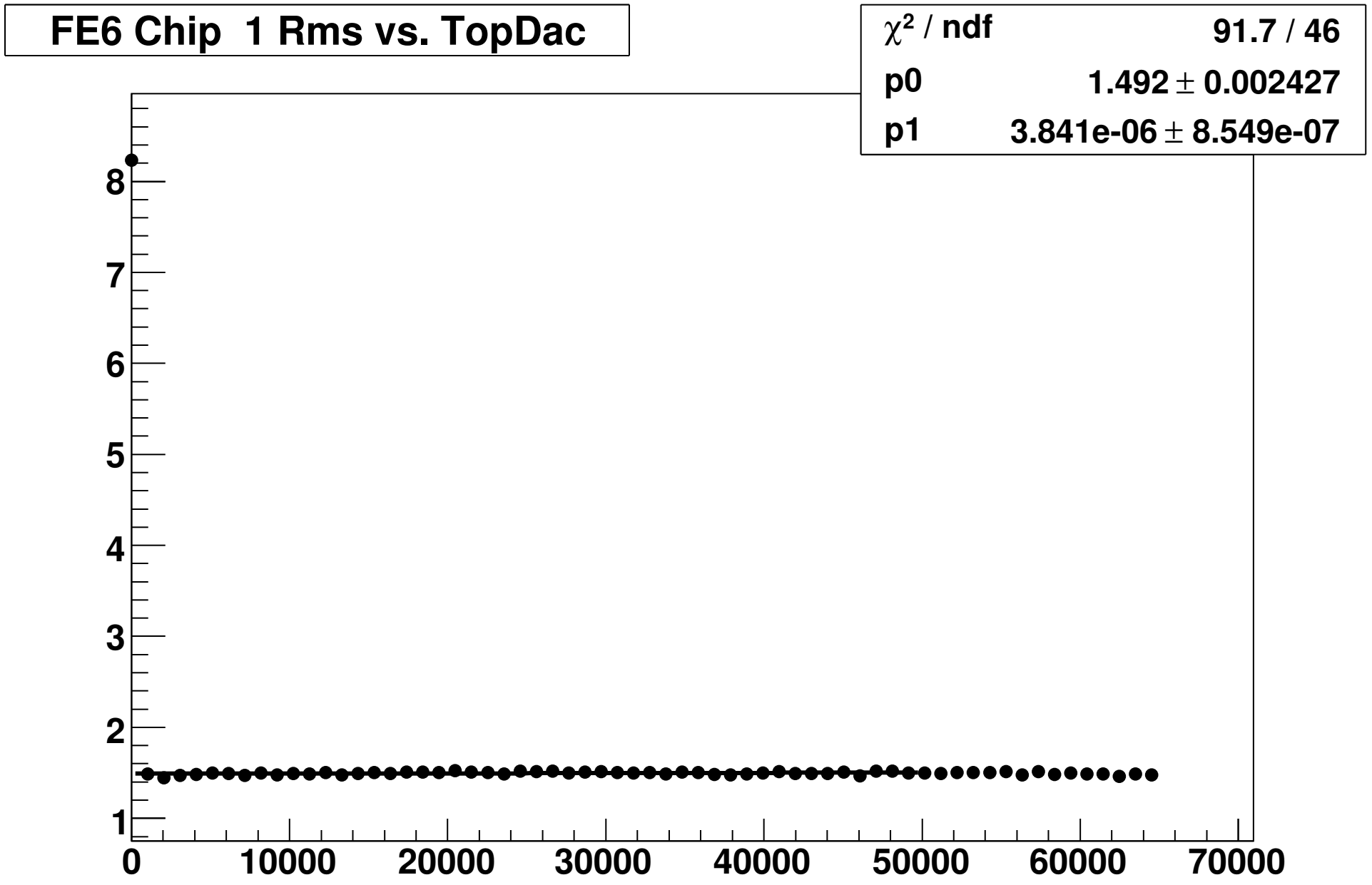

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 5882 / 46
p0 53.5 ± 0.00445
p1 -9.244e-06 ± 1.544e-07
54
53.8
53.6
53.4
53.2
53
0
10000
20000
30000
40000
50000
60000
70000

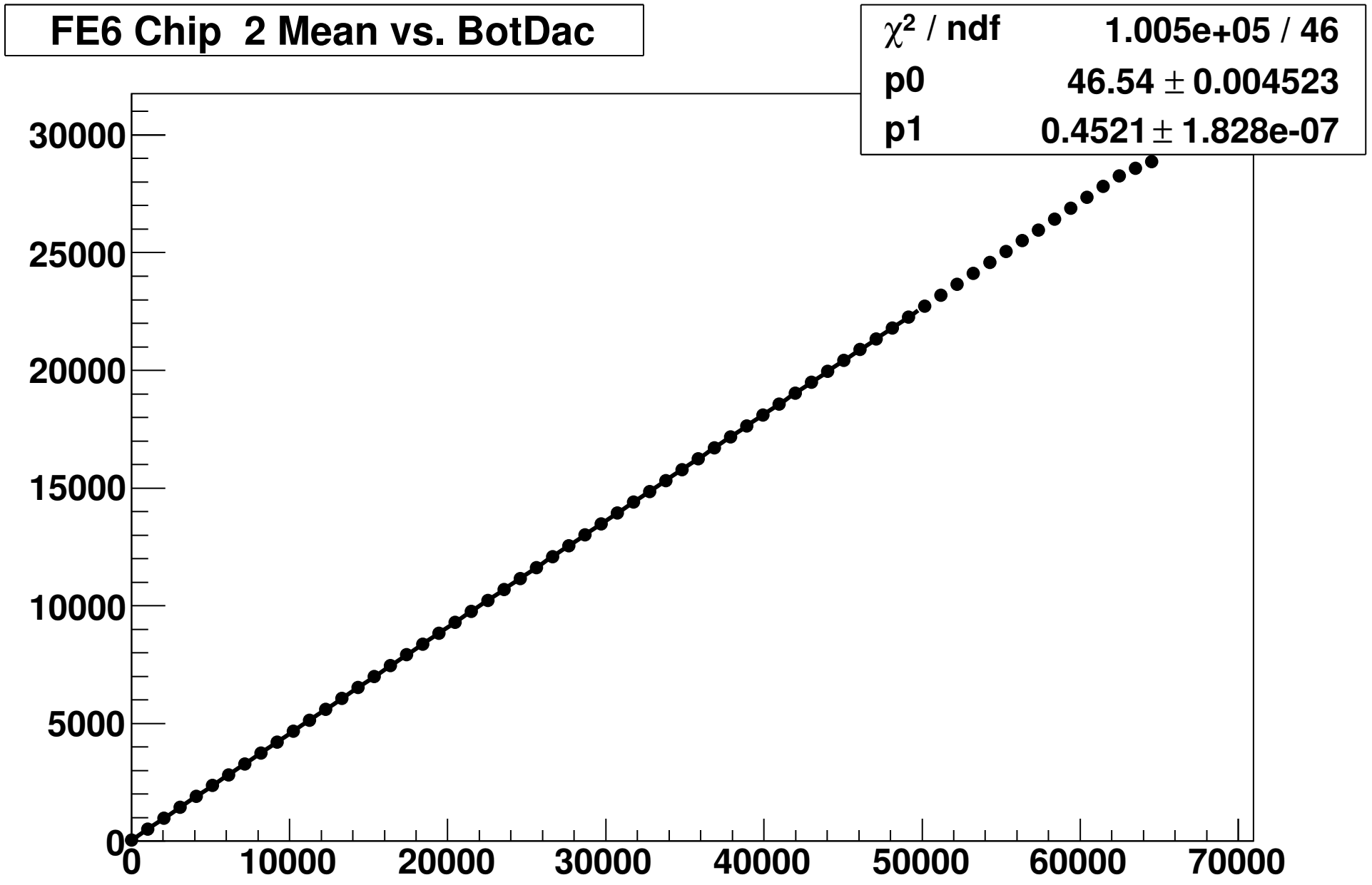

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 73.32 / 46
p0 1.443 ± 0.001551
p1 2.119e-14 ± 5.323e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

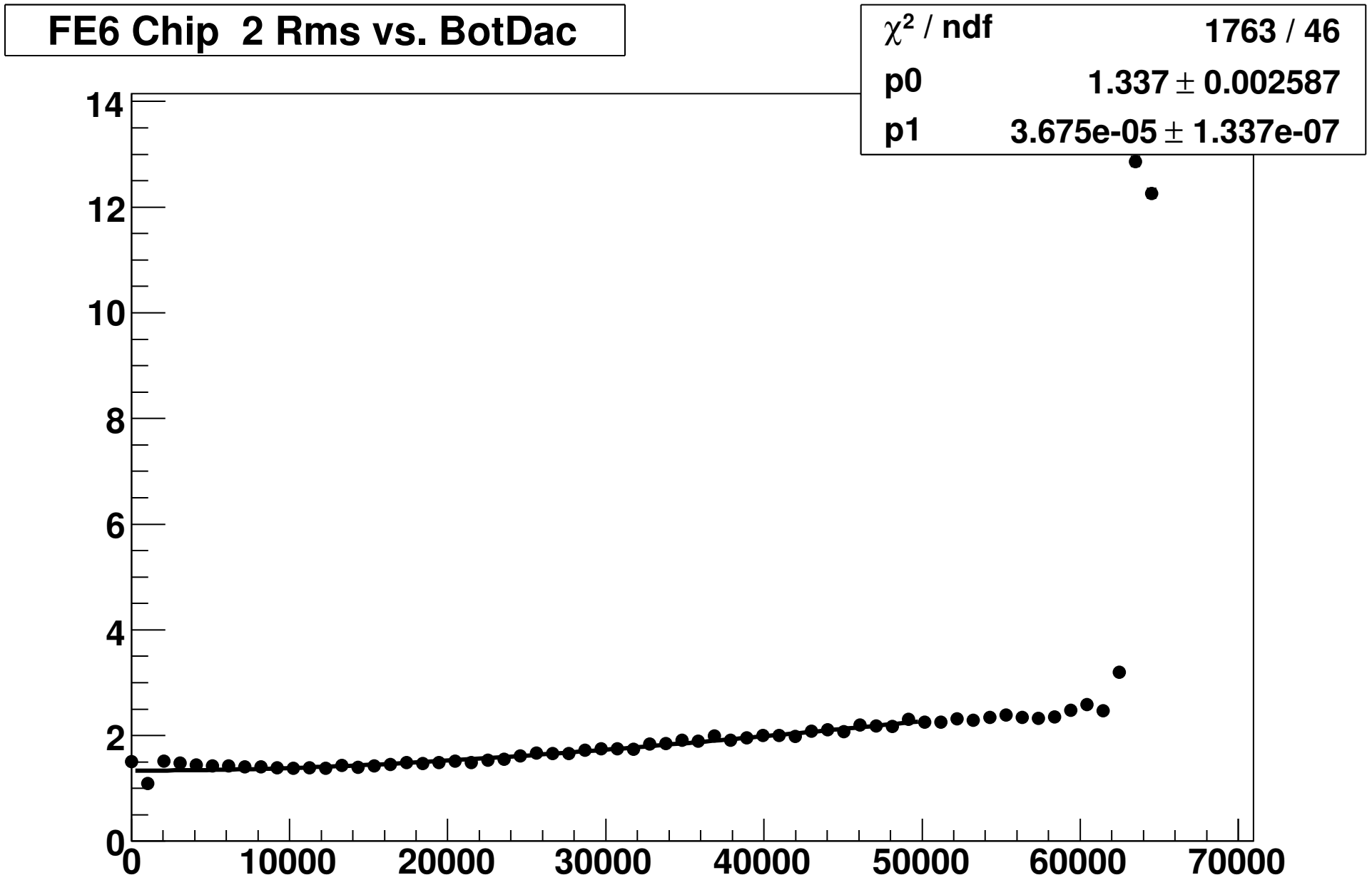

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 5.45e+04 / 46
p0 49.29 ± 0.004601
p1 0.4521 ± 1.846e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

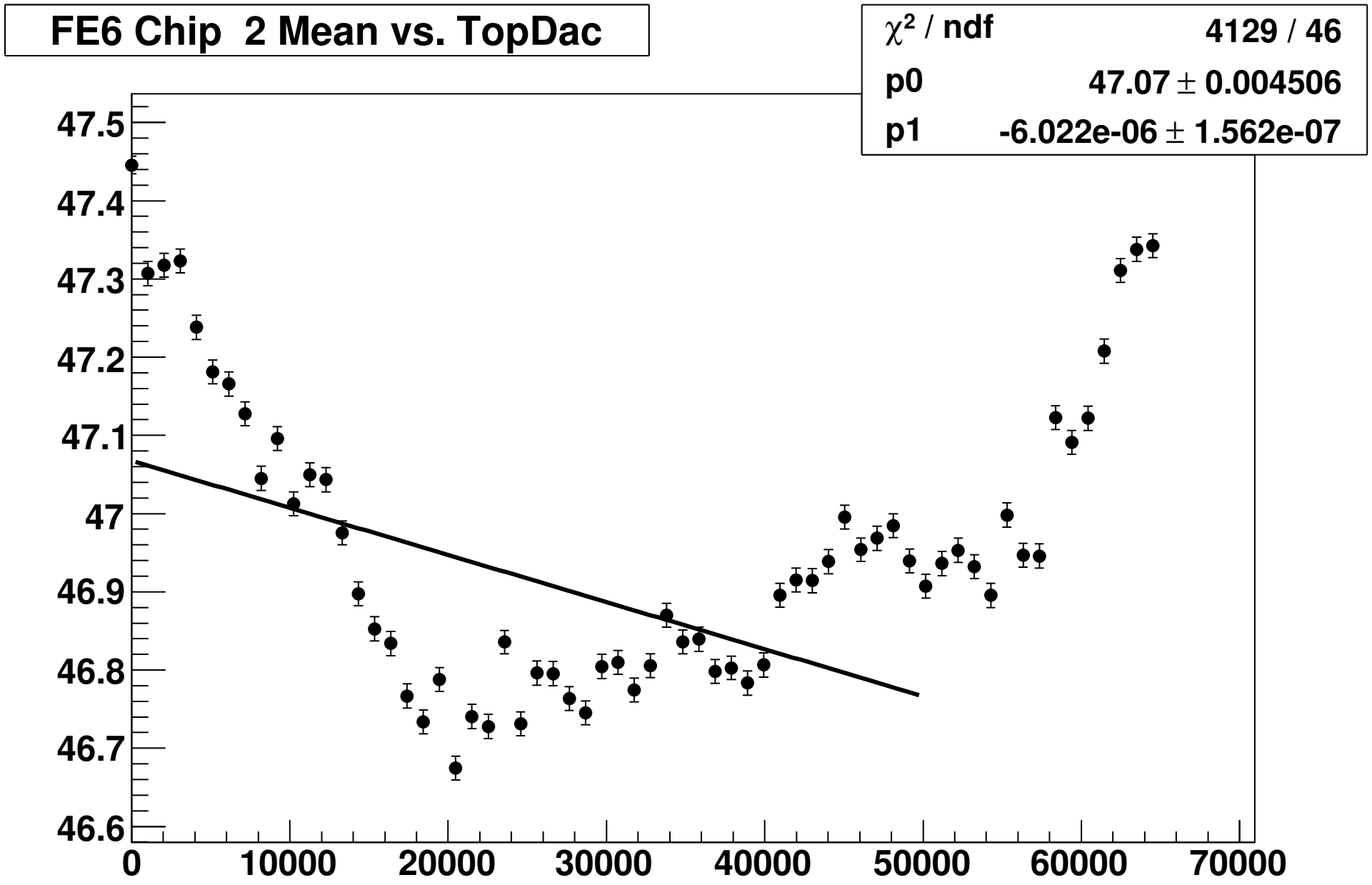

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 771.5 / 46
p0 1.347 ± 0.002585
p1 3.556e-05 ± 1.36e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

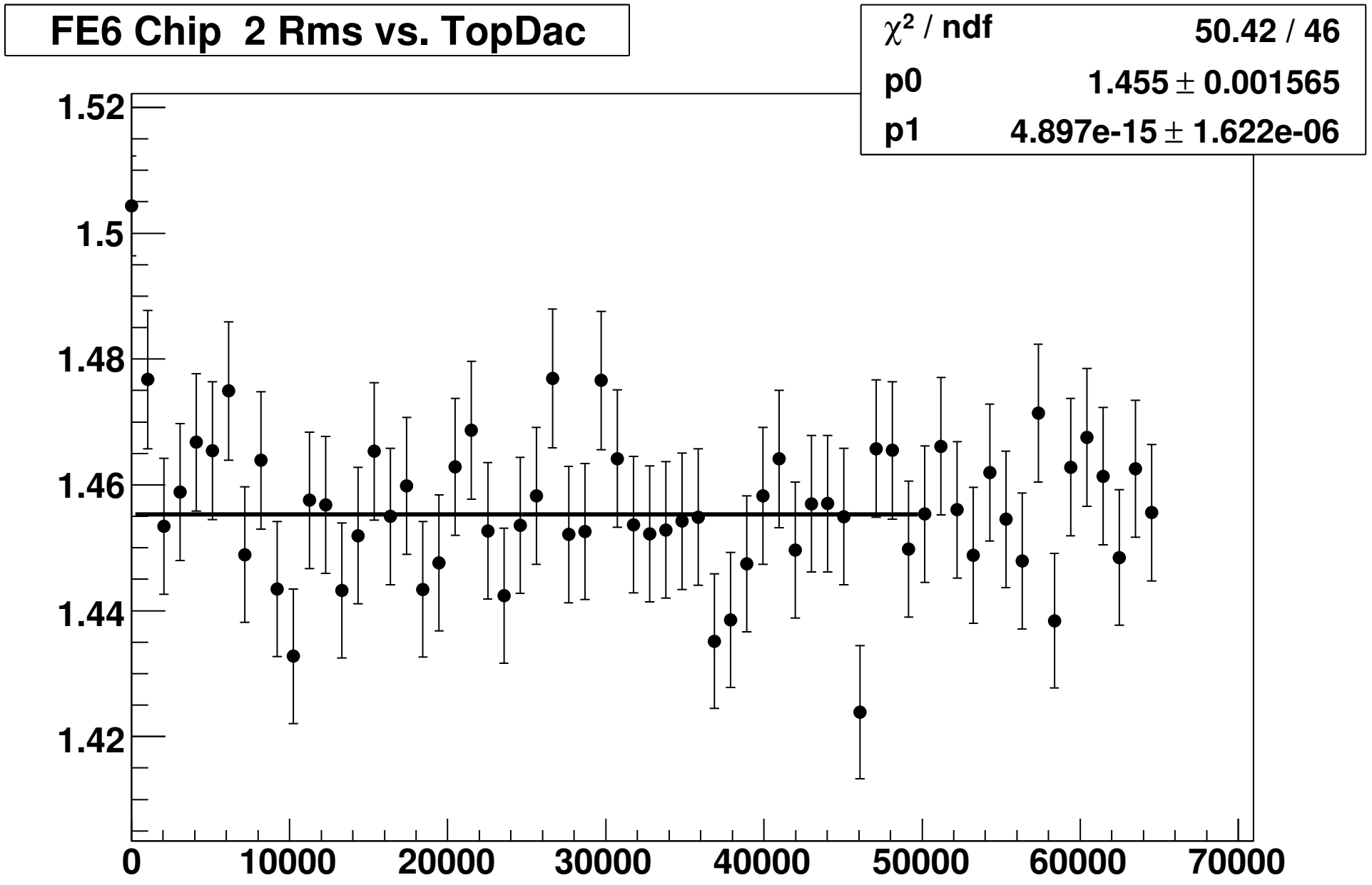

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 5982 / 46
p0 49.65 ± 0.004597
p1 -9.685e-06 ± 1.598e-07
50.2
50
49.8
49.6
49.4
49.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 91.7 / 46
p0 1.492 ± 0.002427
p1 3.841e-06 ± 8.549e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.005e+05 / 46
p0 46.54 ± 0.004523
p1 0.4521 ± 1.828e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1763 / 46
p0 1.337 ± 0.002587
p1 3.675e-05 ± 1.337e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 4129 / 46
p0 47.07 ± 0.004506
p1 -6.022e-06 ± 1.562e-07
47.5
47.4
47.3
47.2
47.1
47
46.9
46.8
46.7
46.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 50.42 / 46
p0 1.455 ± 0.001565
p1 4.897e-15 ± 1.622e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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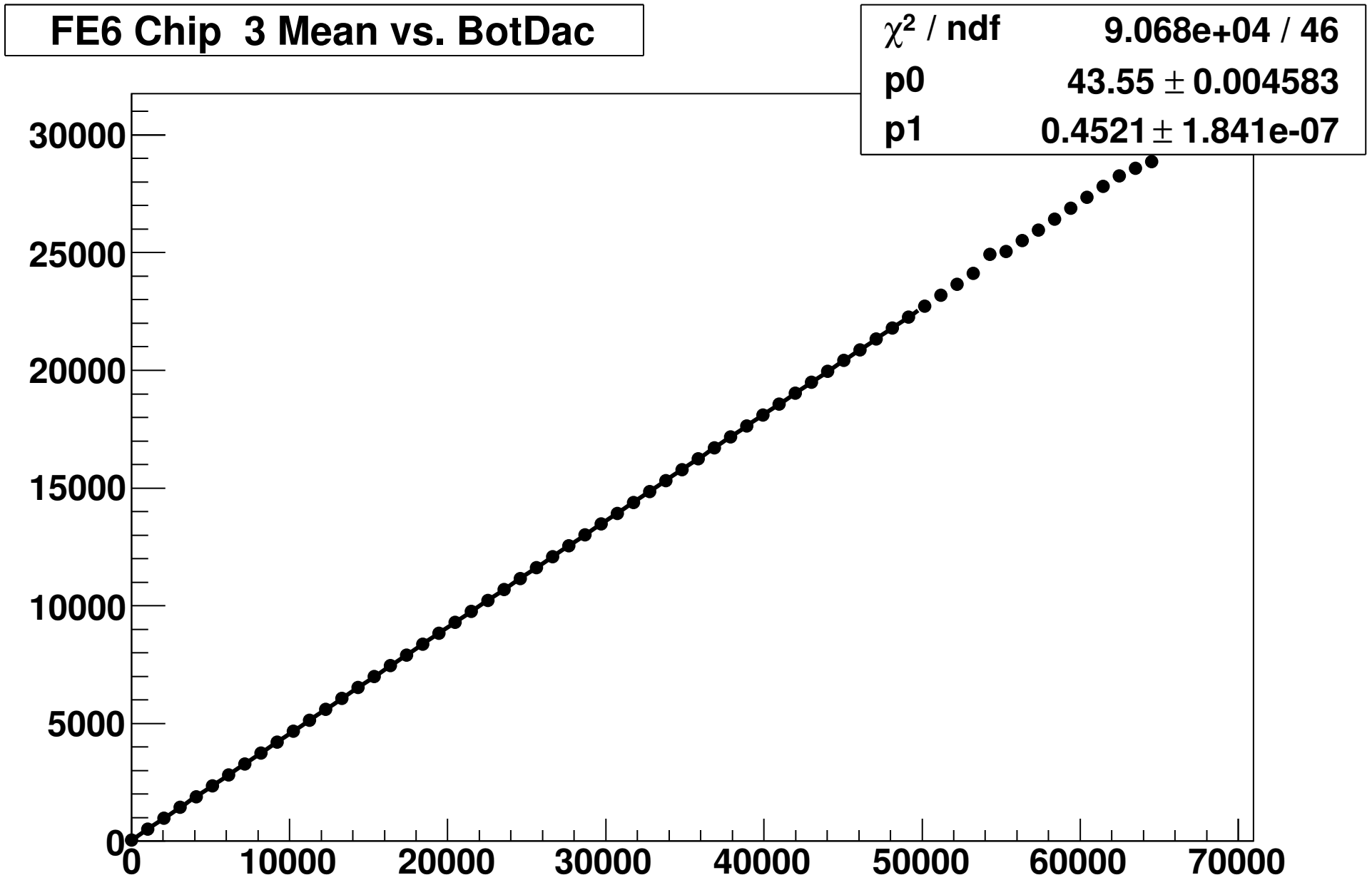
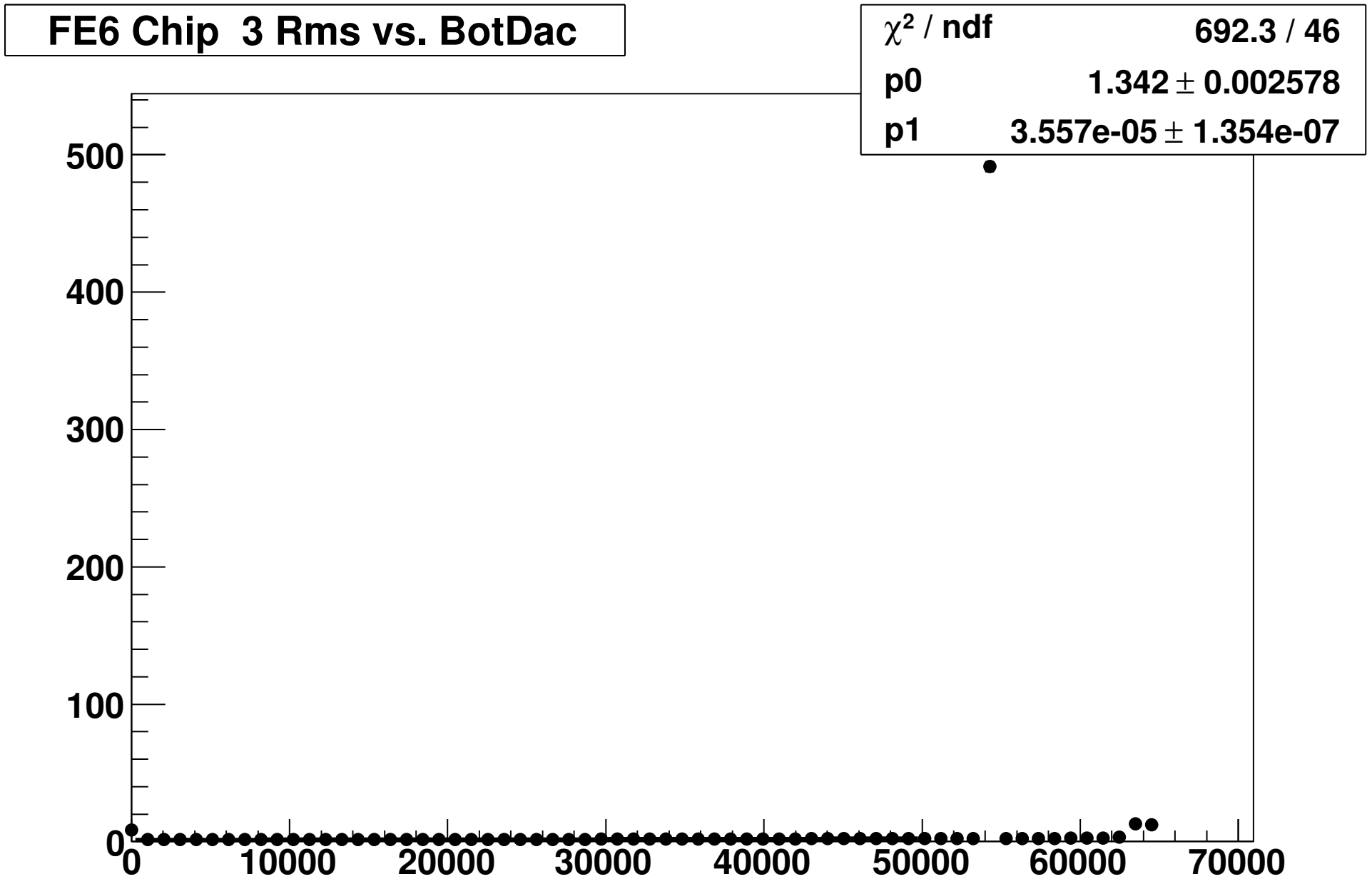
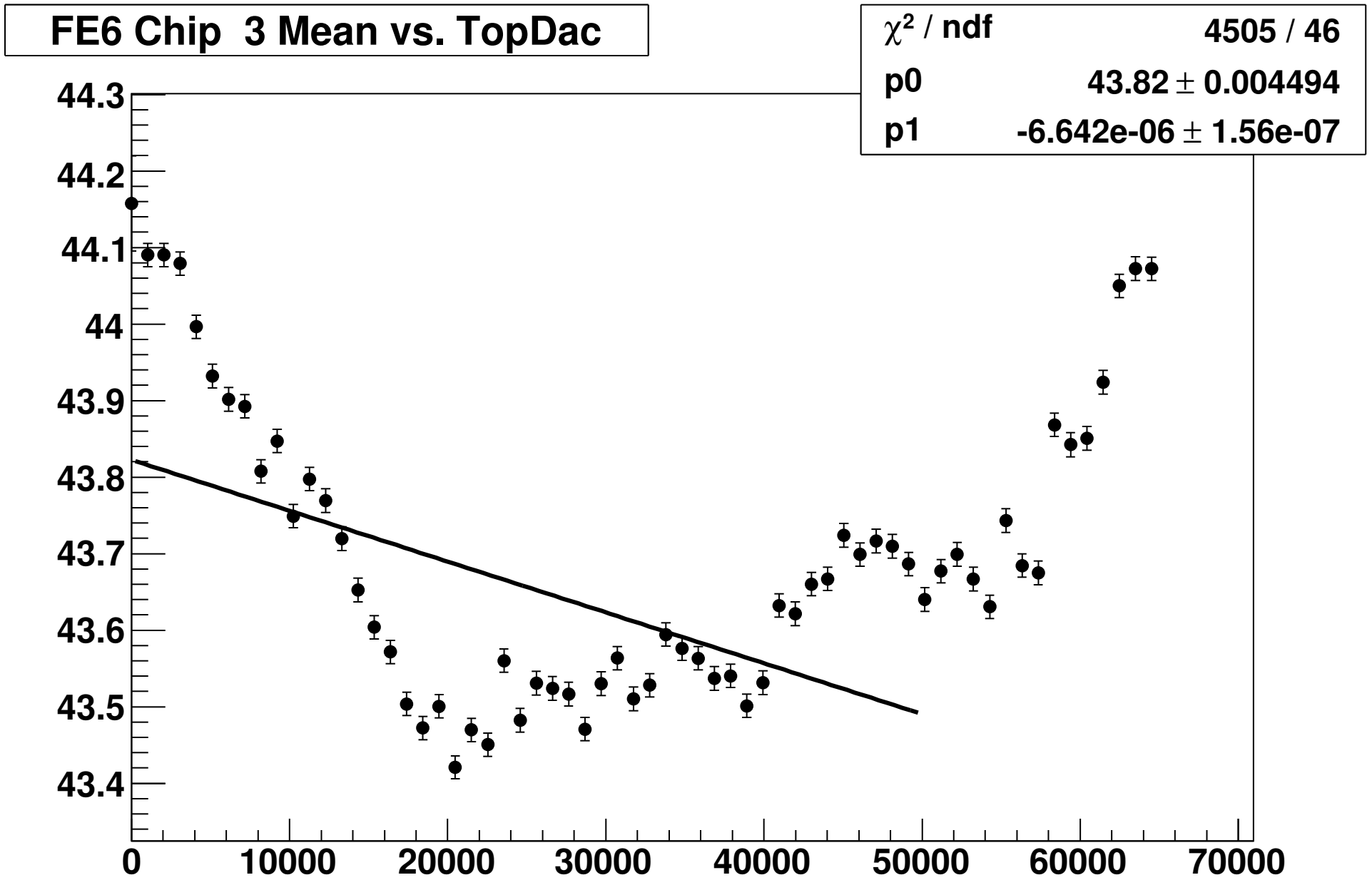
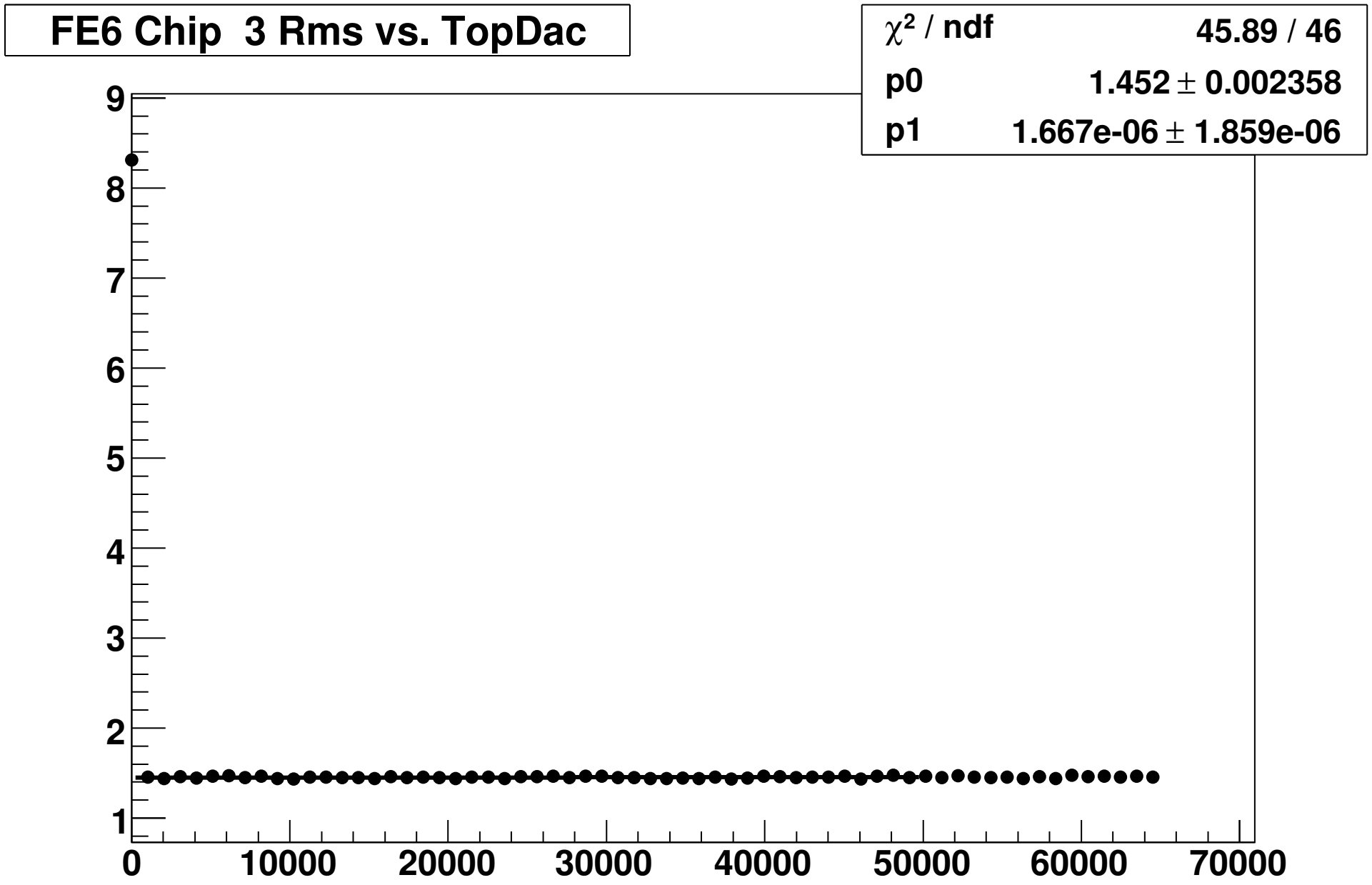
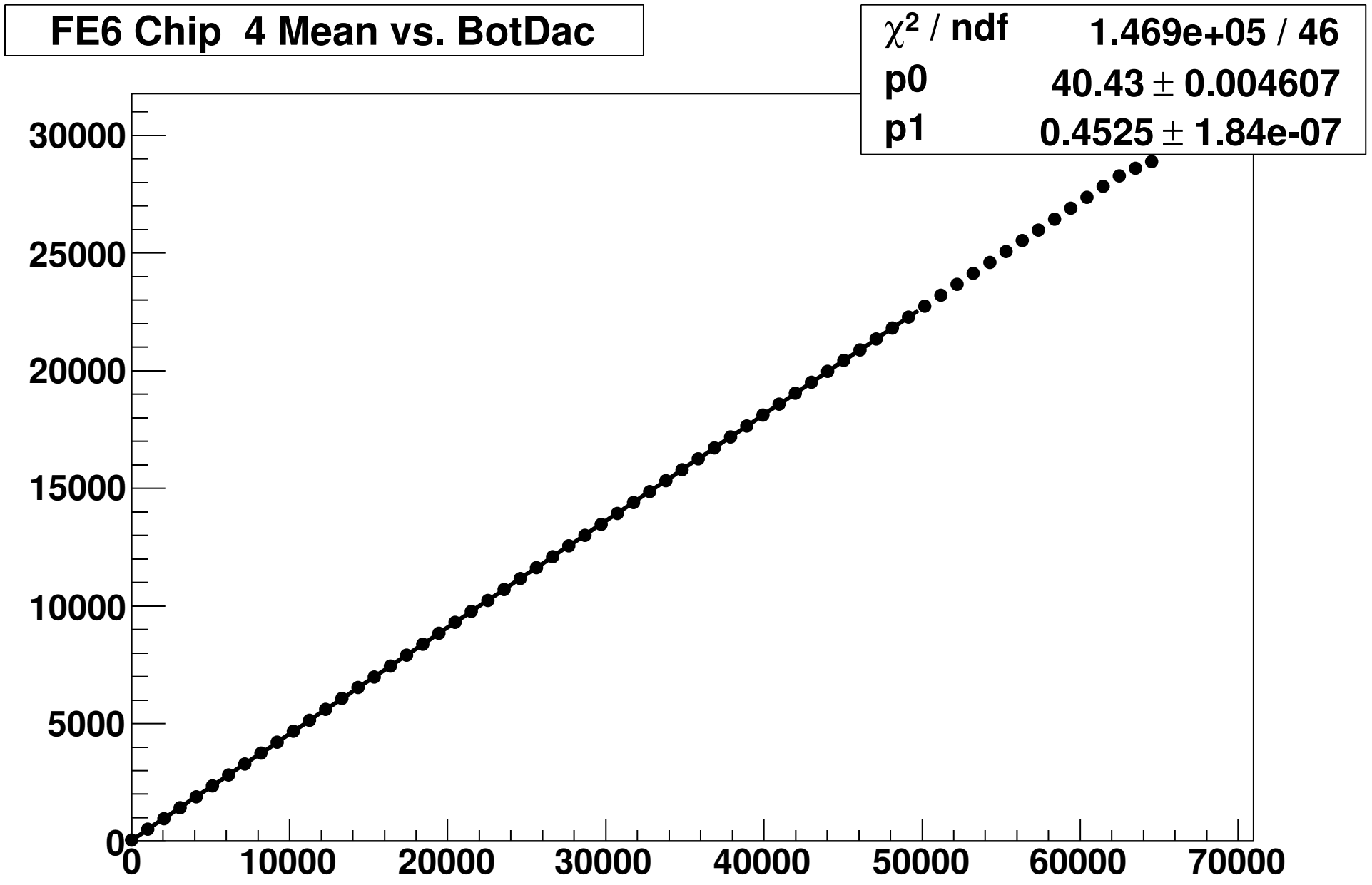

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.068e+04 / 46
p0 43.55 ± 0.004583
p1 0.4521 ± 1.841e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 692.3 / 46
p0 1.342 ± 0.002578
p1 3.557e-05 ± 1.354e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 4505 / 46
p0 43.82 ± 0.004494
p1 -6.642e-06 ± 1.56e-07
44.3
44.2
44.1
44
43.9
43.8
43.7
43.6
43.5
43.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 45.89 / 46
p0 1.452 ± 0.002358
p1 1.667e-06 ± 1.859e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.469e+05 / 46
p0 40.43 ± 0.004607
p1 0.4525 ± 1.84e-07
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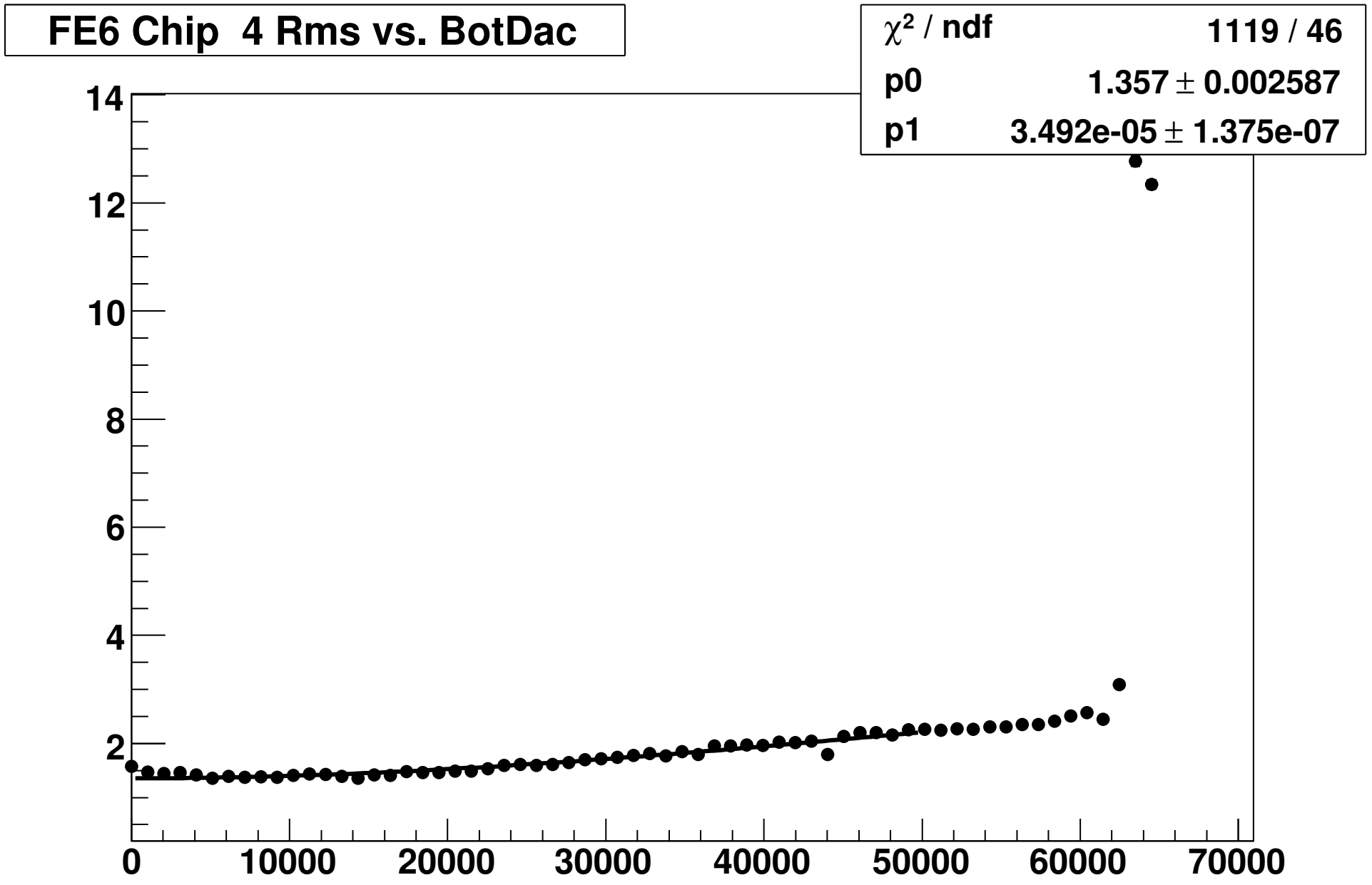
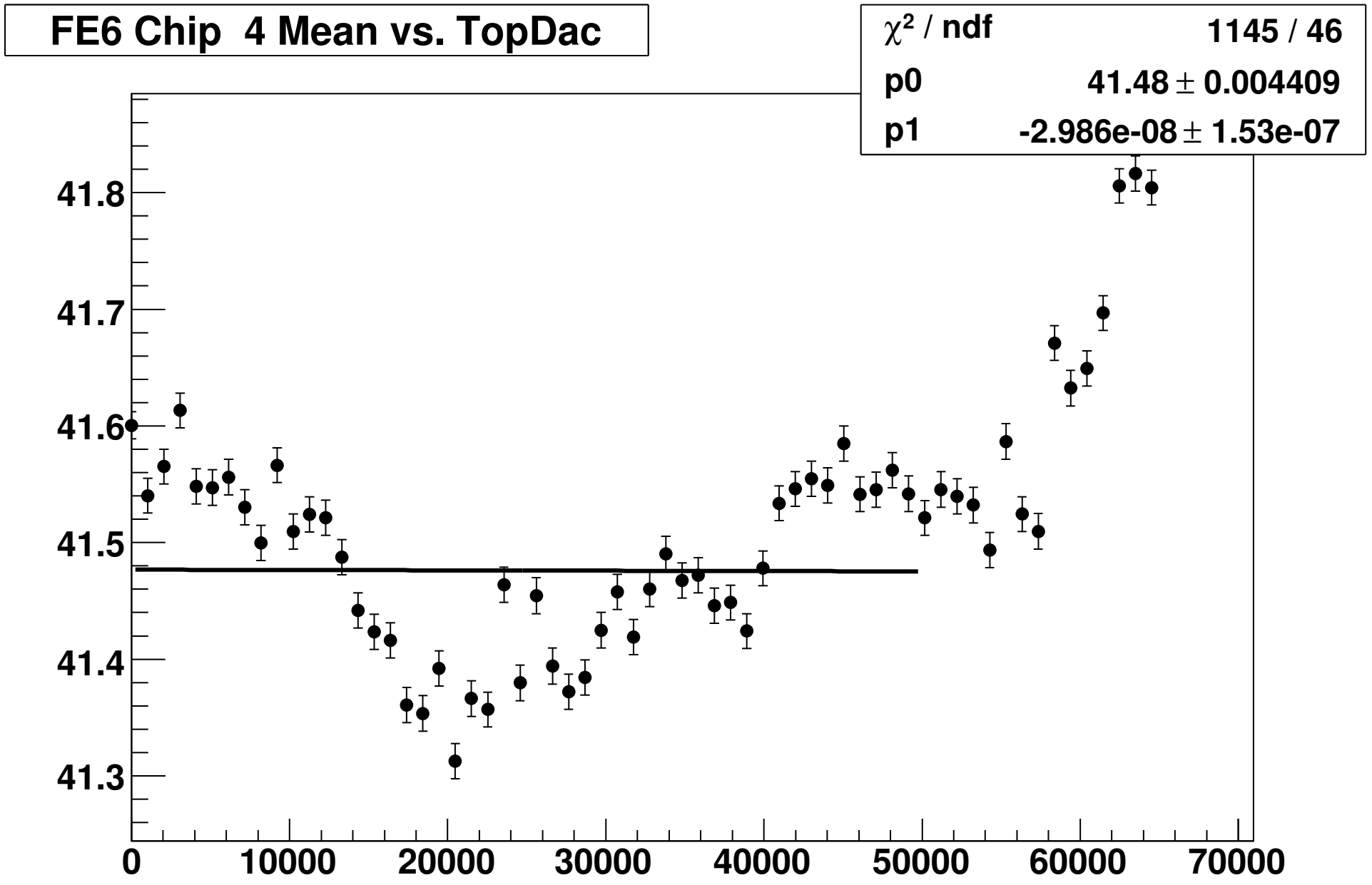
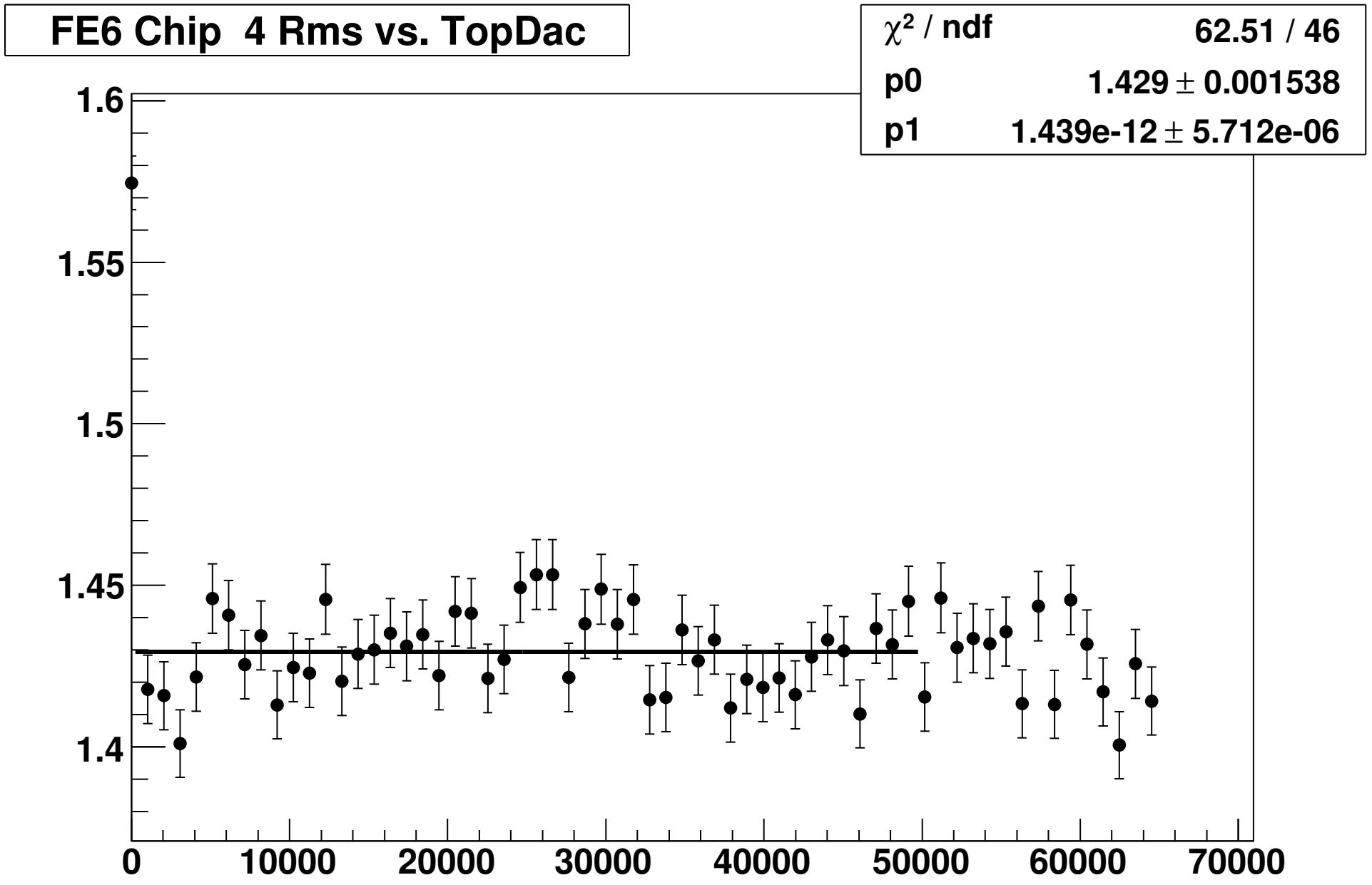
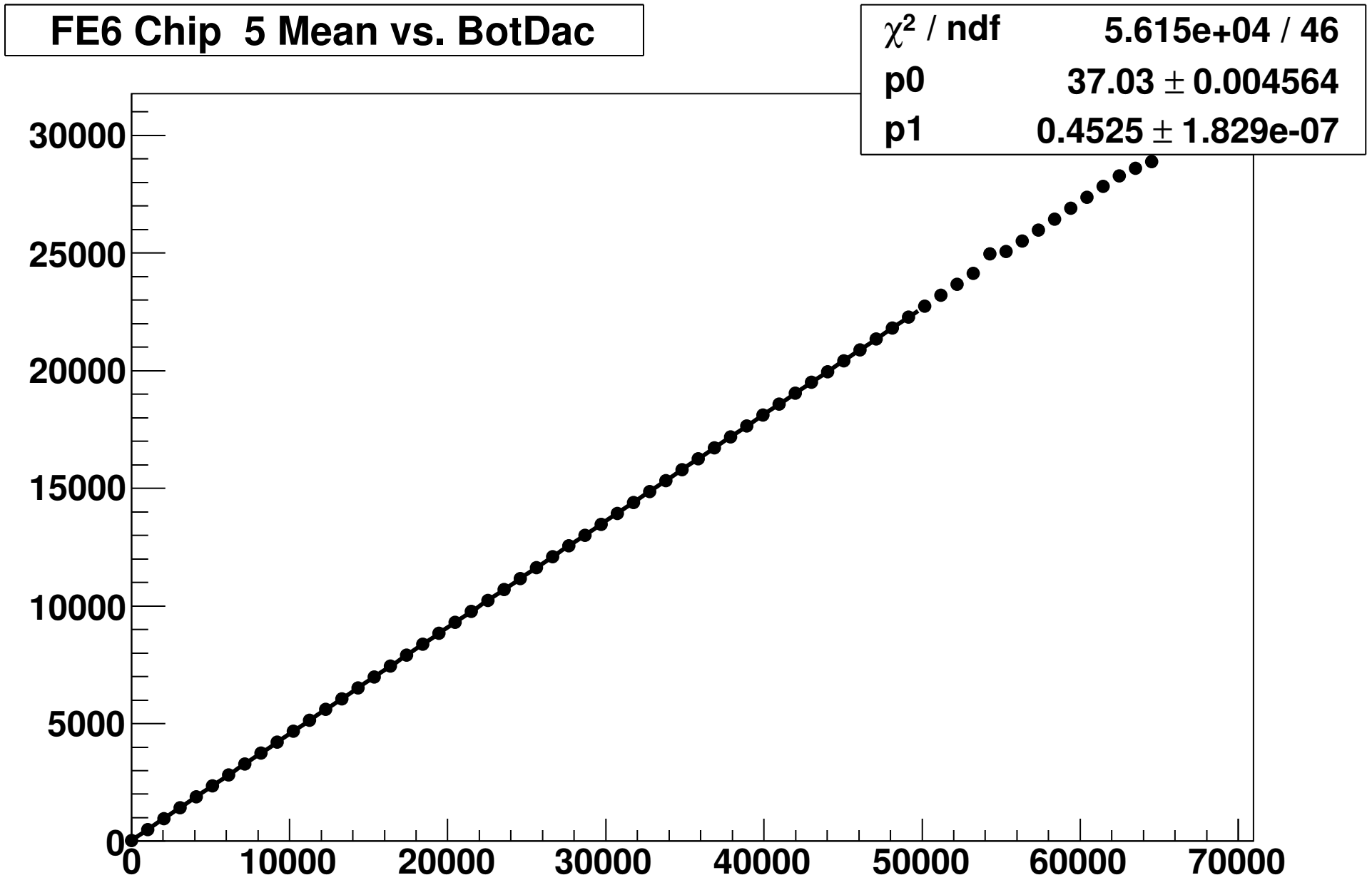
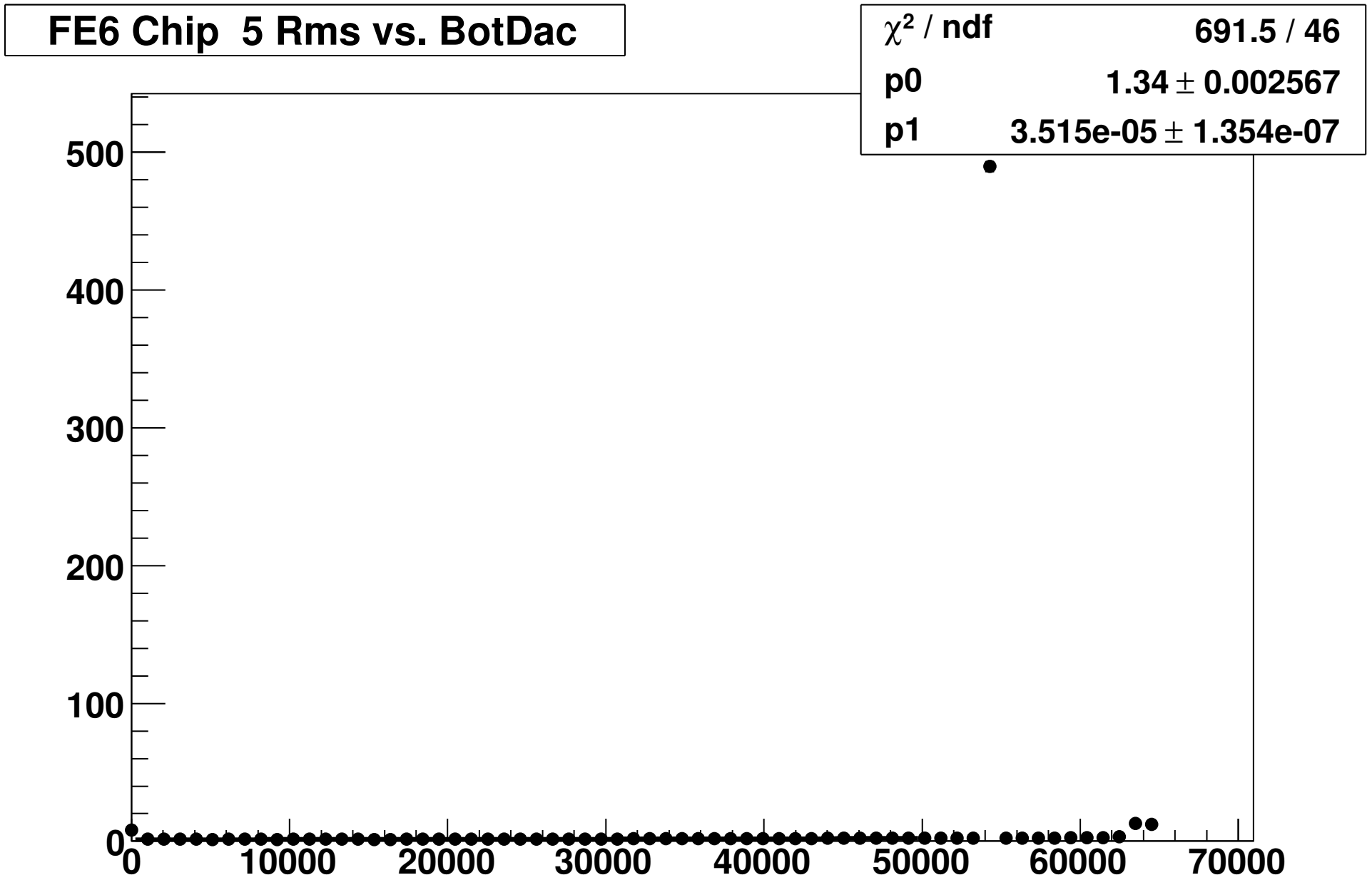
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

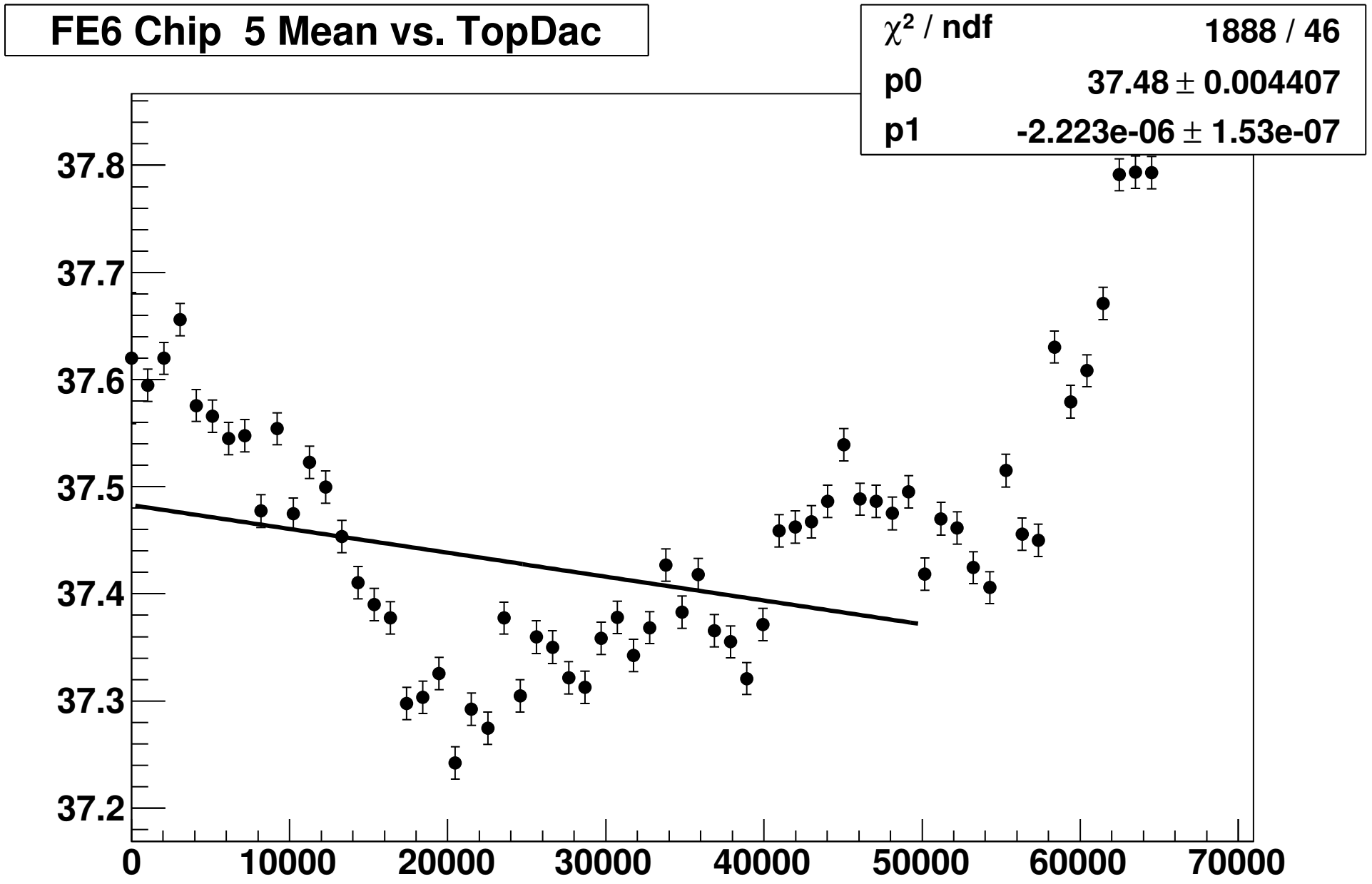

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1119 / 46
p0 1.357 ± 0.002587
p1 3.492e-05 ± 1.375e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

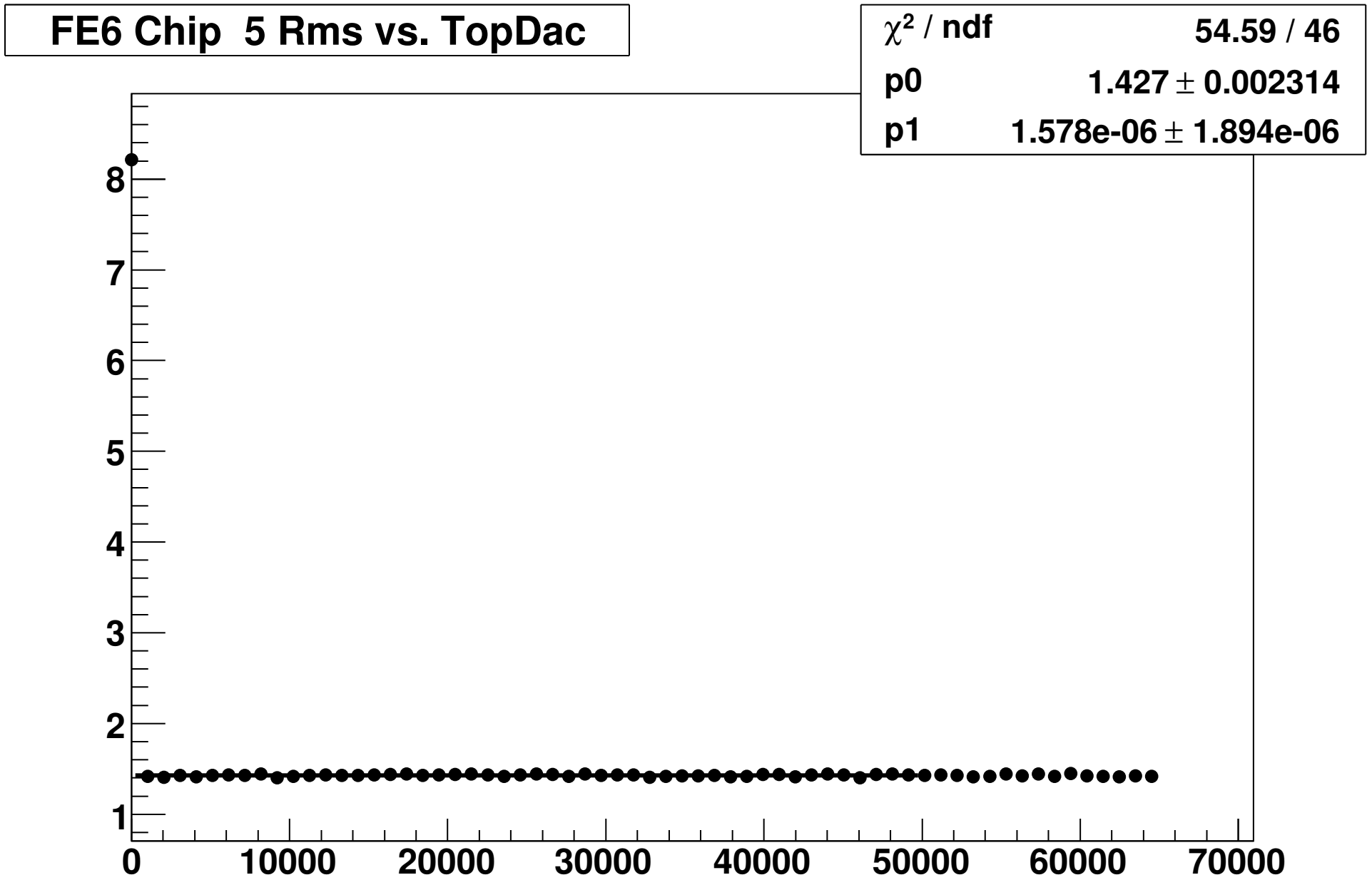

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 1145 / 46
p0 41.48 ± 0.004409
p1 -2.986e-08 ± 1.53e-07
41.8
41.7
41.6
41.5
41.4
41.3
0
10000
20000
30000
40000
50000
60000
70000

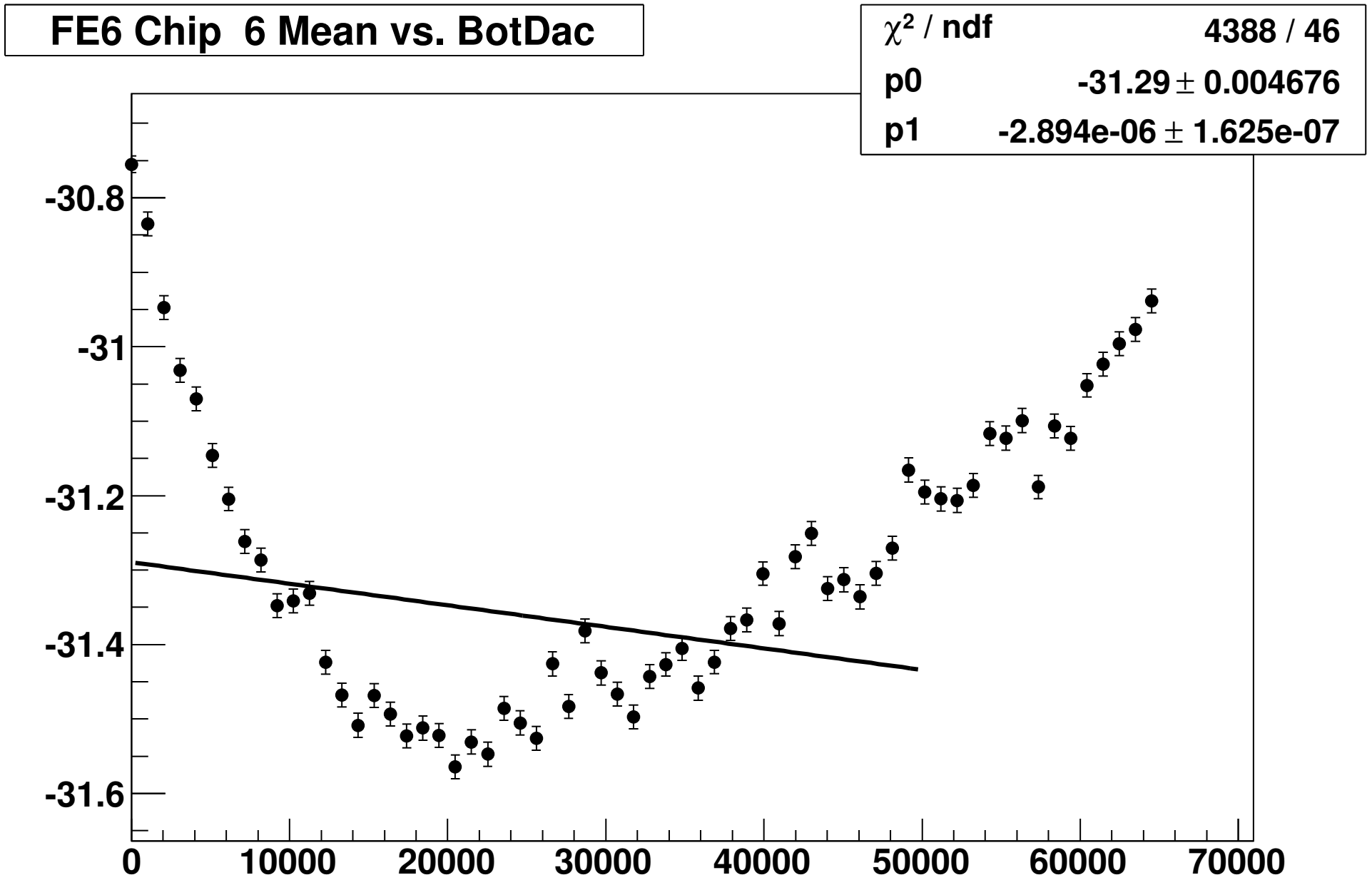

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 62.51 / 46
p0 1.429 ± 0.001538
p1 1.439e-12 ± 5.712e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

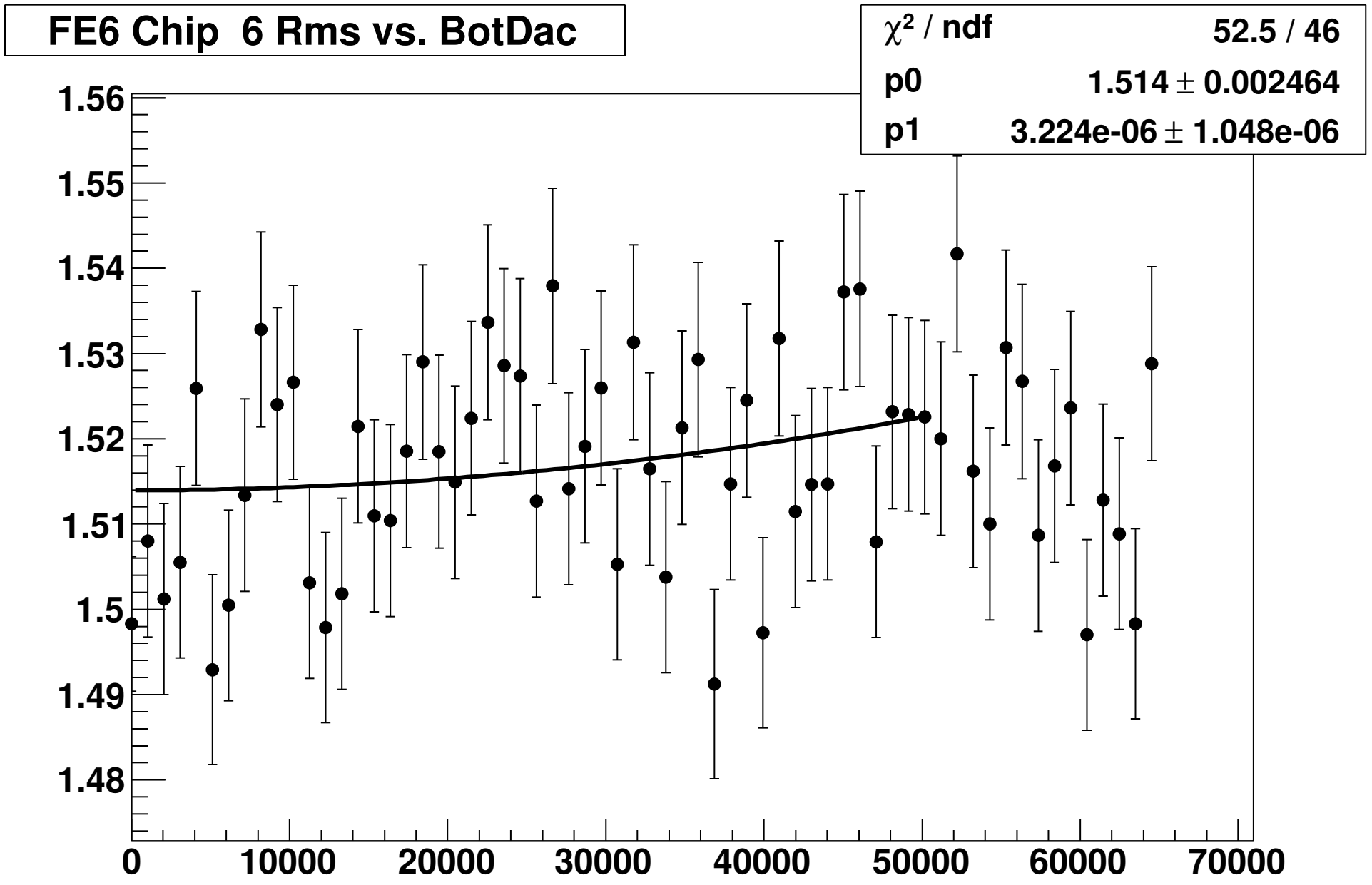

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 5.615e+04 / 46
p0 37.03 ± 0.004564
p1 0.4525 ± 1.829e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 691.5 / 46
p0 1.34 ± 0.002567
p1 3.515e-05 ± 1.354e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 1888 / 46
p0 37.48 ± 0.004407
p1 -2.223e-06 ± 1.53e-07
37.8
37.7
37.6
37.5
37.4
37.3
37.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 54.59 / 46
p0 1.427 ± 0.002314
p1 1.578e-06 ± 1.894e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 4388 / 46
p0 -31.29 ± 0.004676
p1 -2.894e-06 ± 1.625e-07
-30.8
-31
-31.2
-31.4
-31.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 52.5 / 46
p0 1.514 ± 0.002464
p1 3.224e-06 ± 1.048e-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
60000
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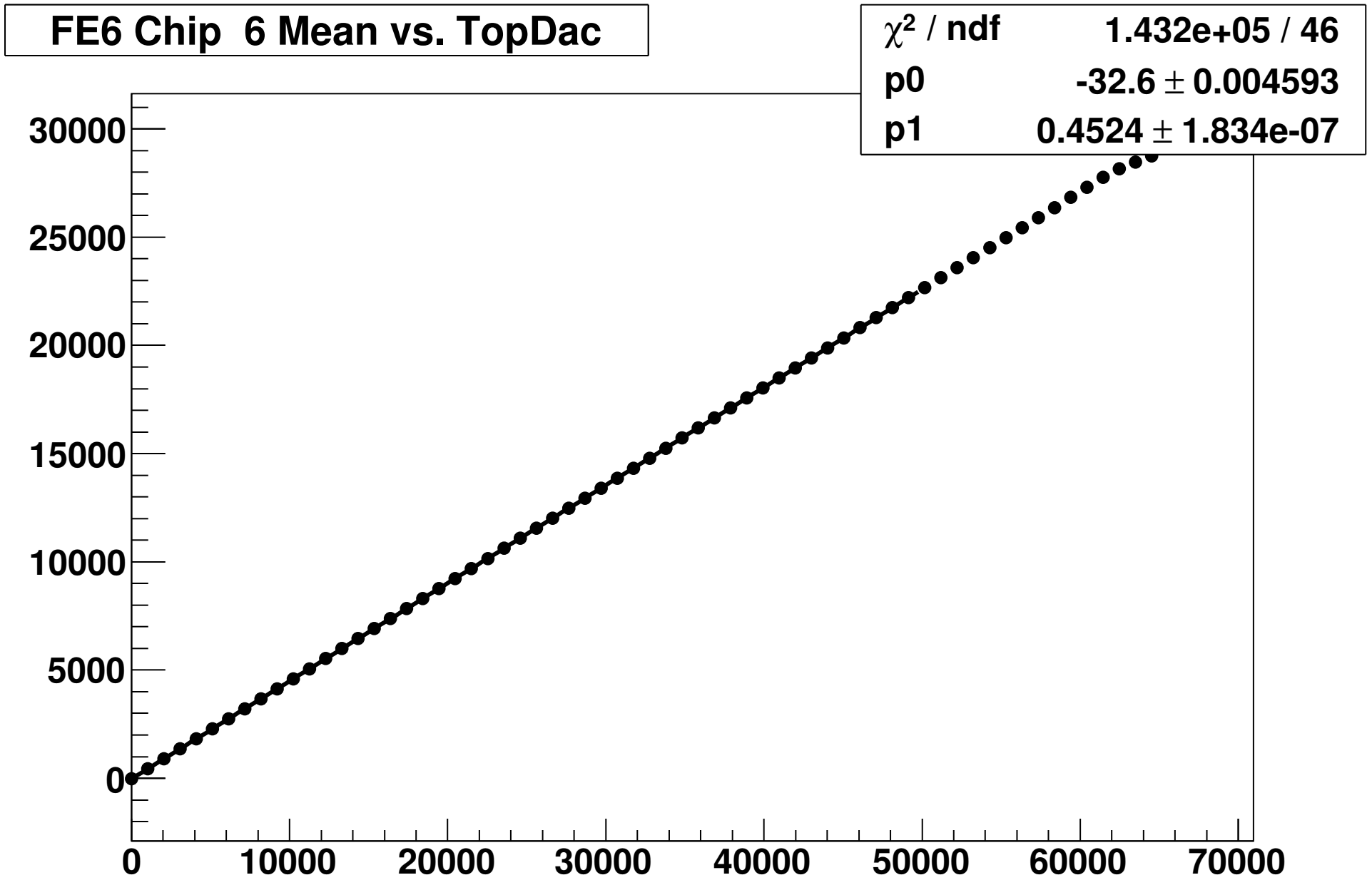
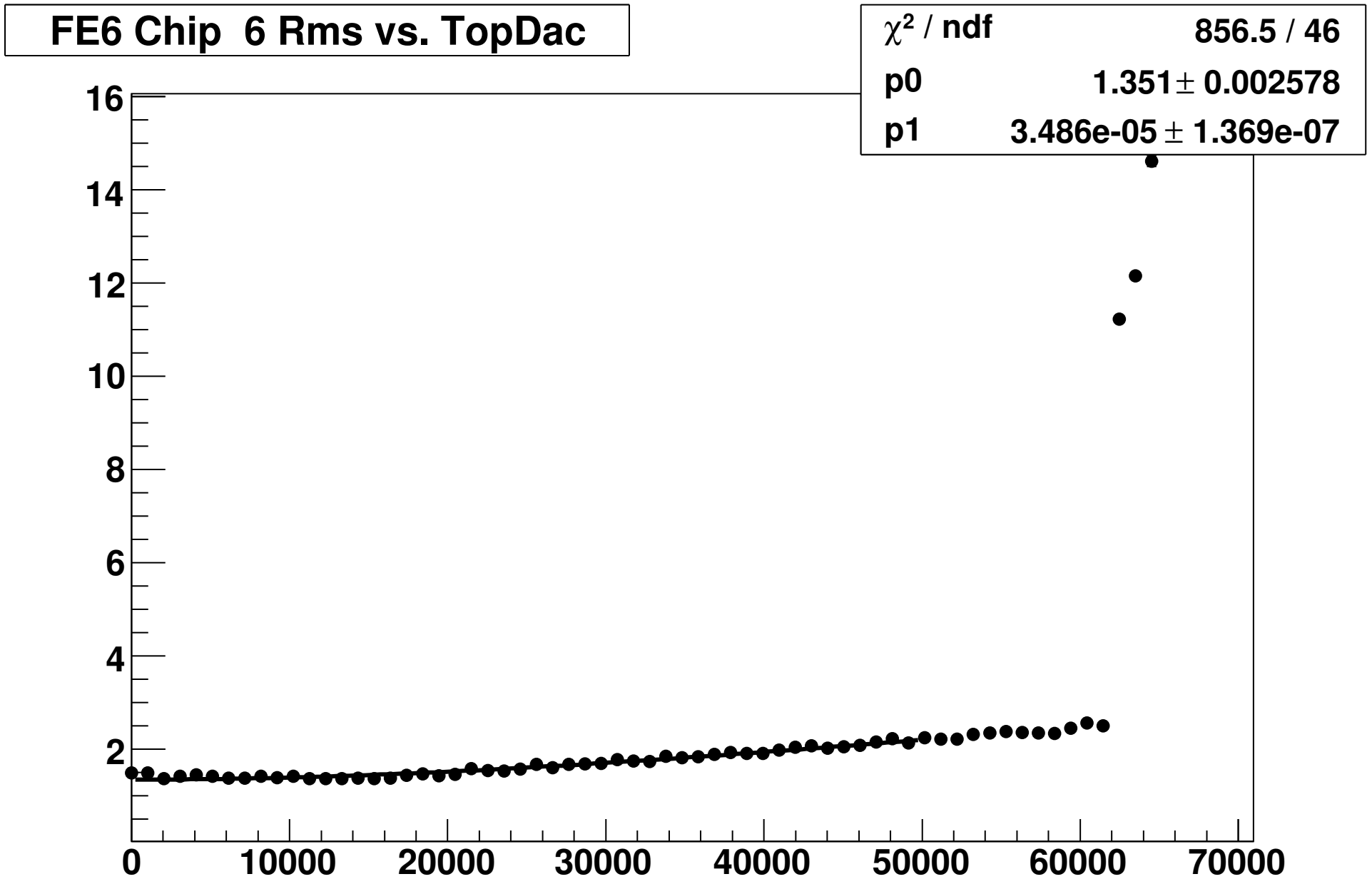

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.432e+05 / 46
p0 -32.6 ± 0.004593
p1 0.4524 ± 1.834e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 856.5 / 46
p0 1.351 ± 0.002578
p1 3.486e-05 ± 1.369e-07
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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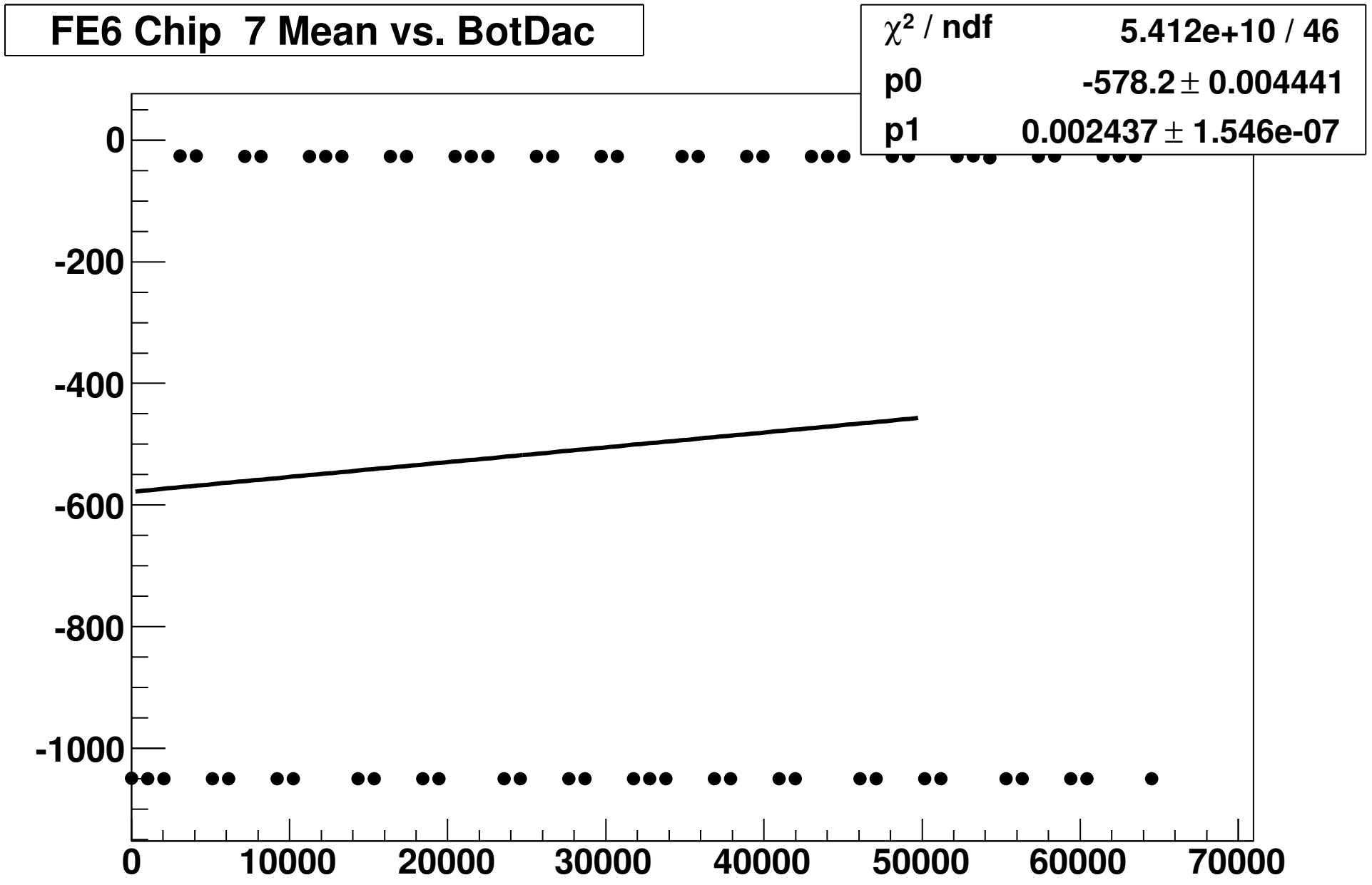
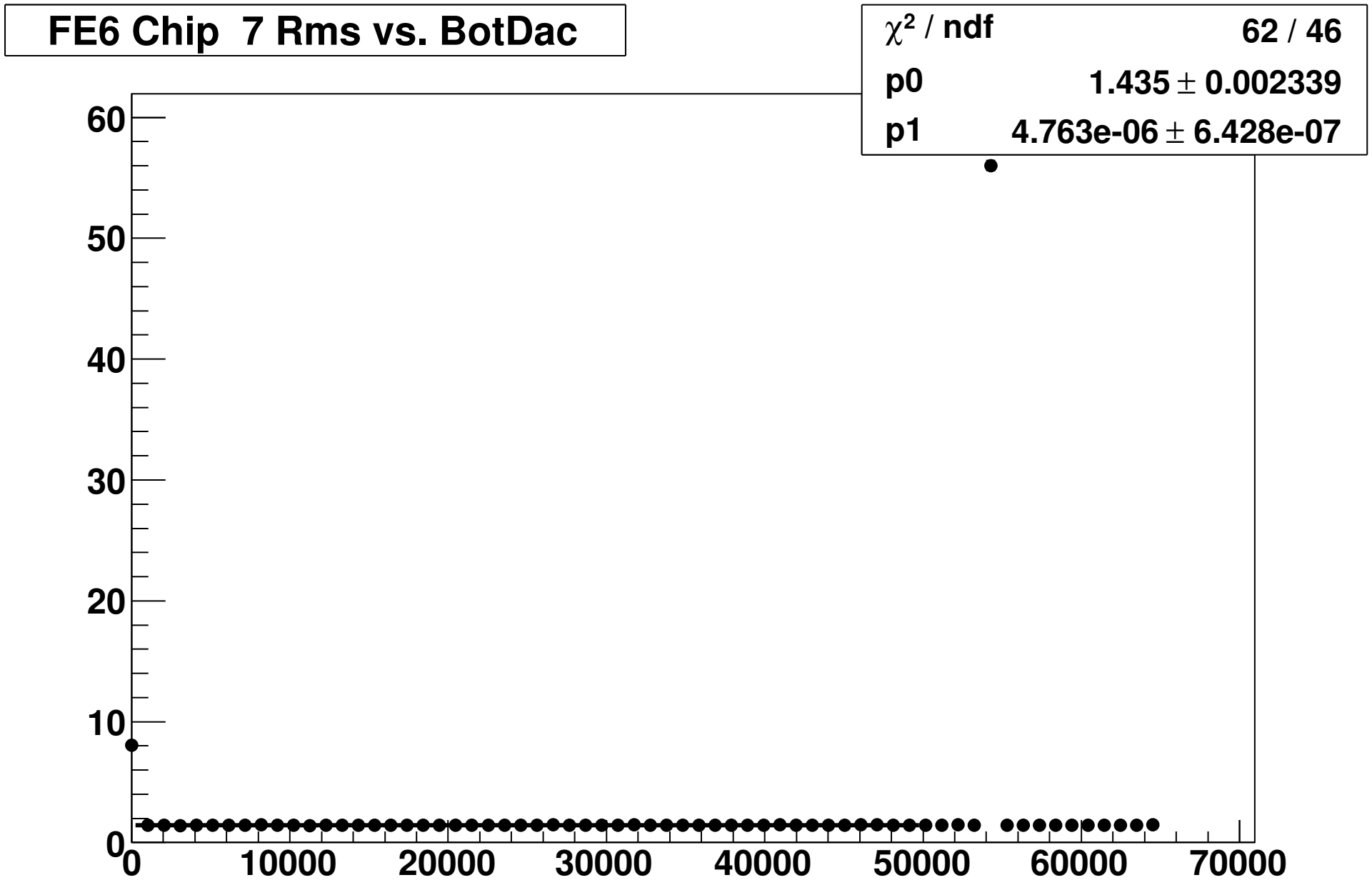
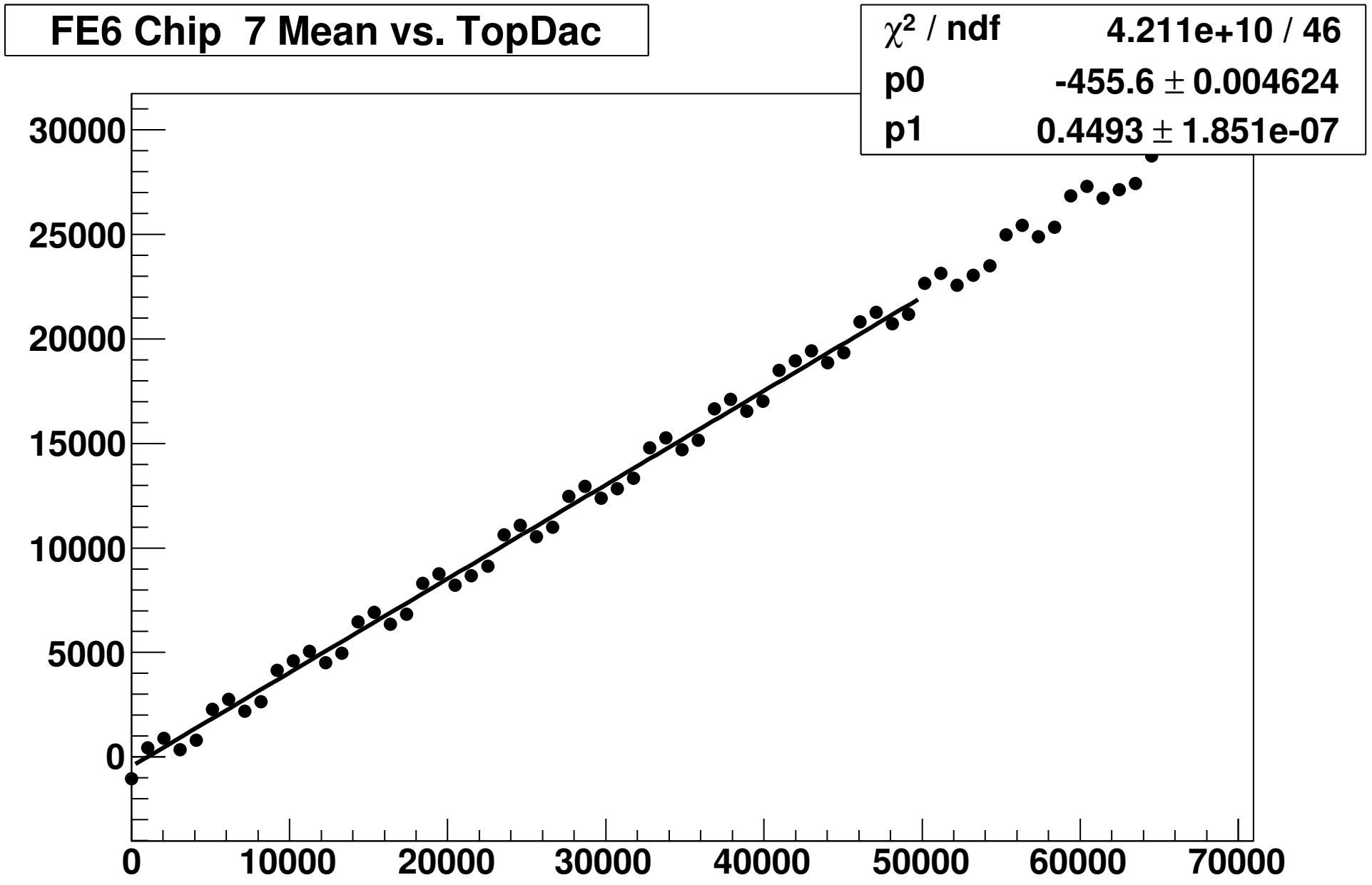
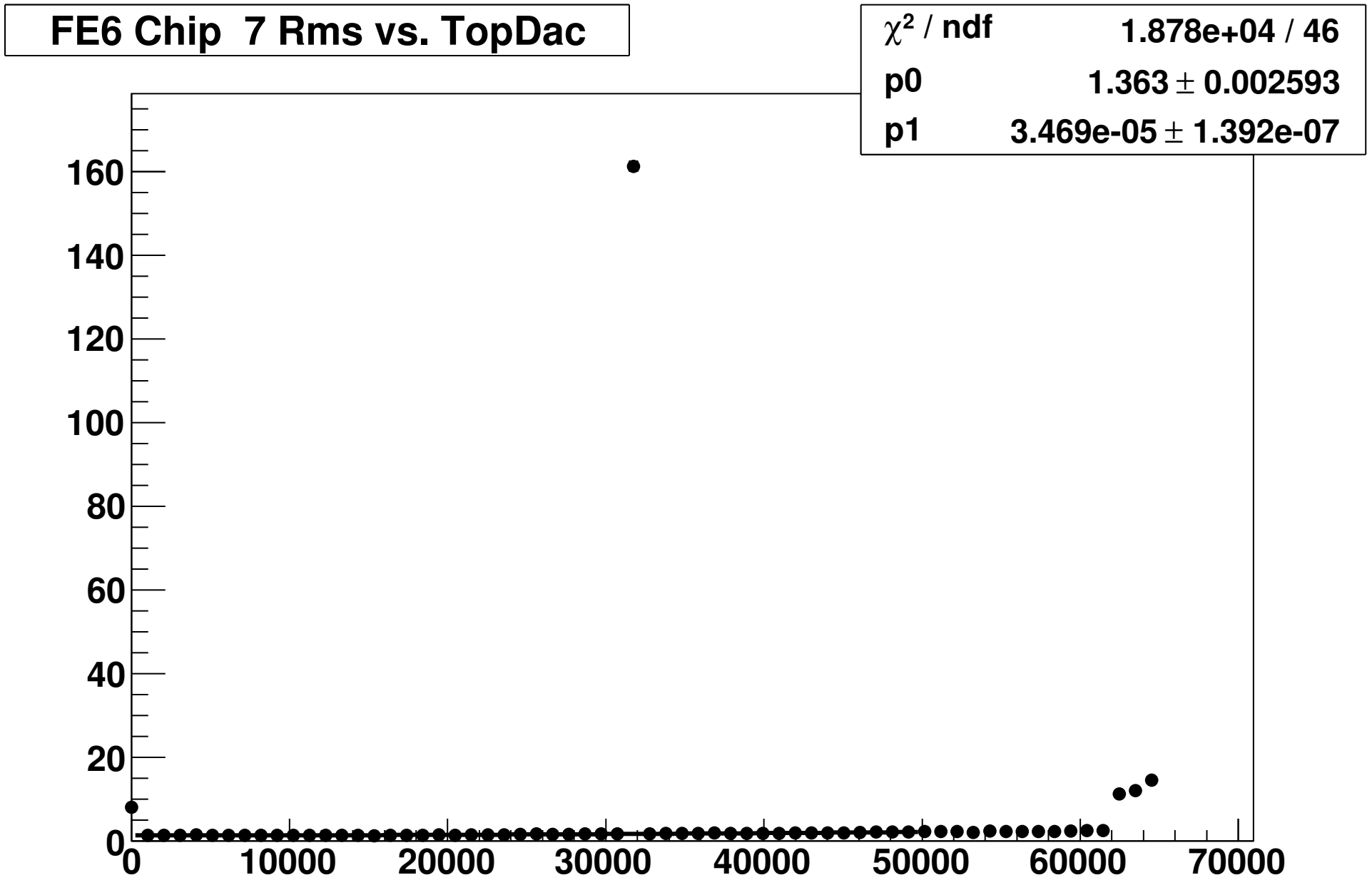
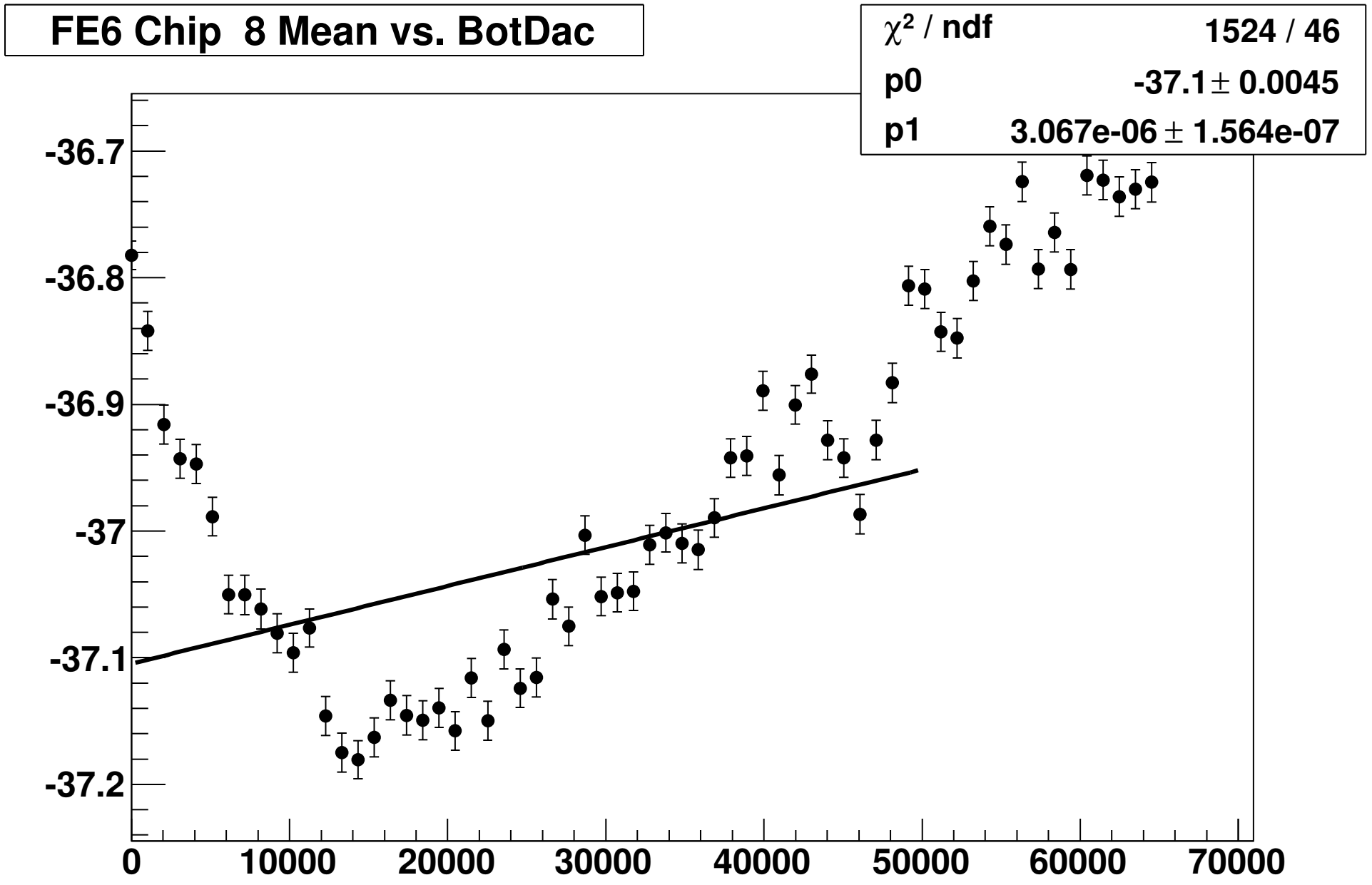
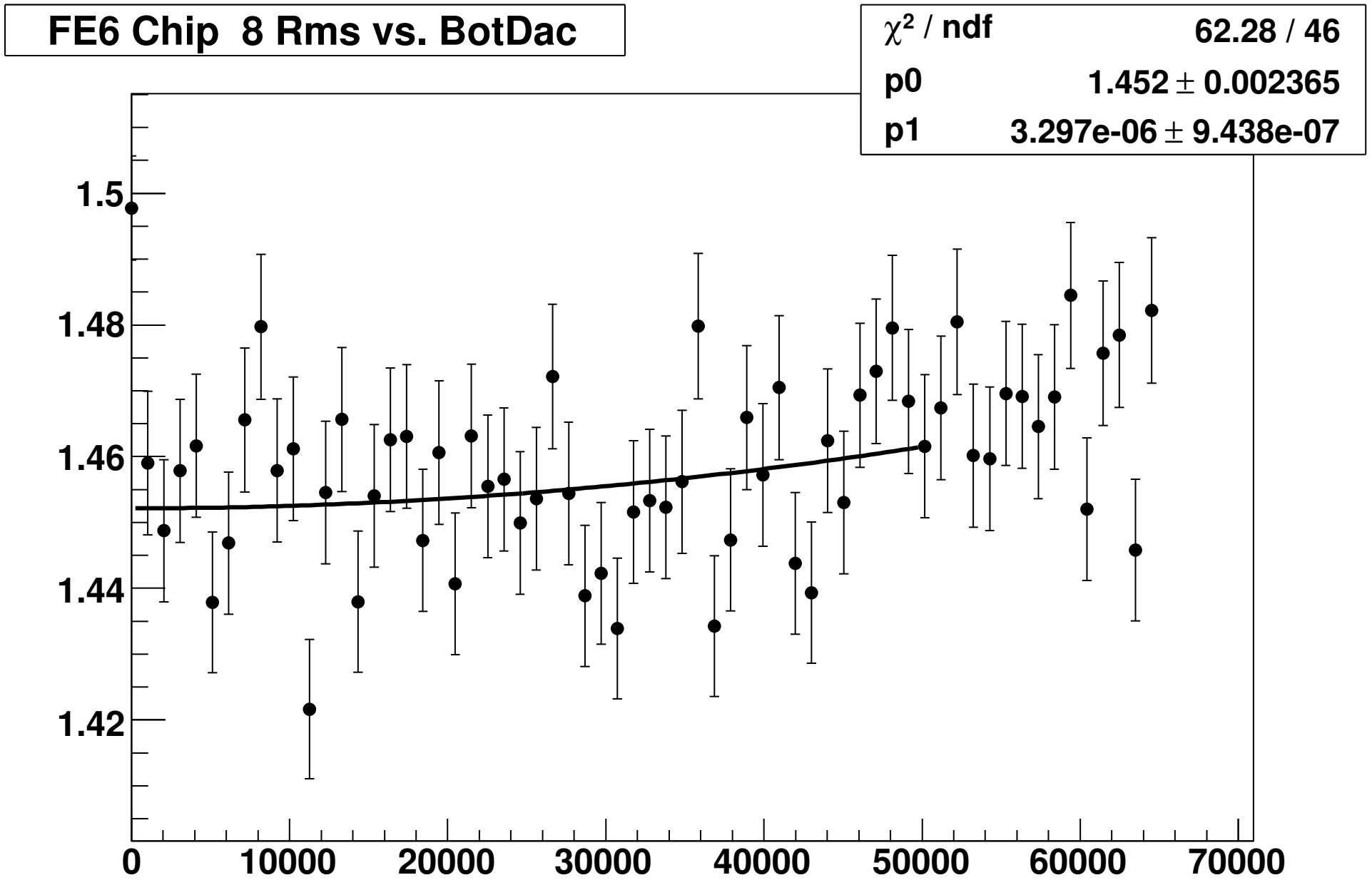

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 5.412e+10 / 46
p0 -578.2 ± 0.004441
p1 0.002437 ± 1.546e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

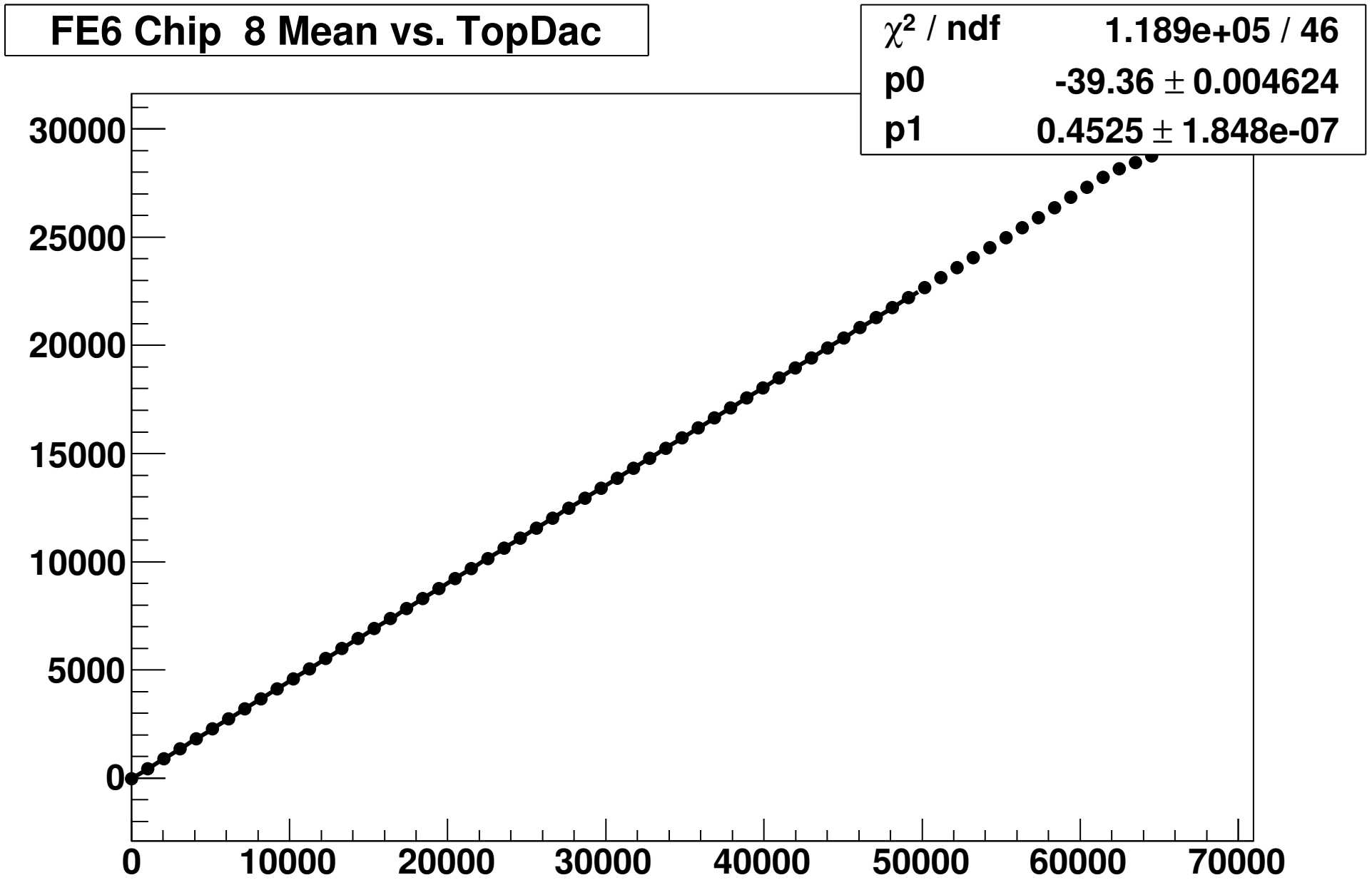

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 62 / 46
p0 1.435 ± 0.002339
p1 4.763e-06 ± 6.428e-07
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

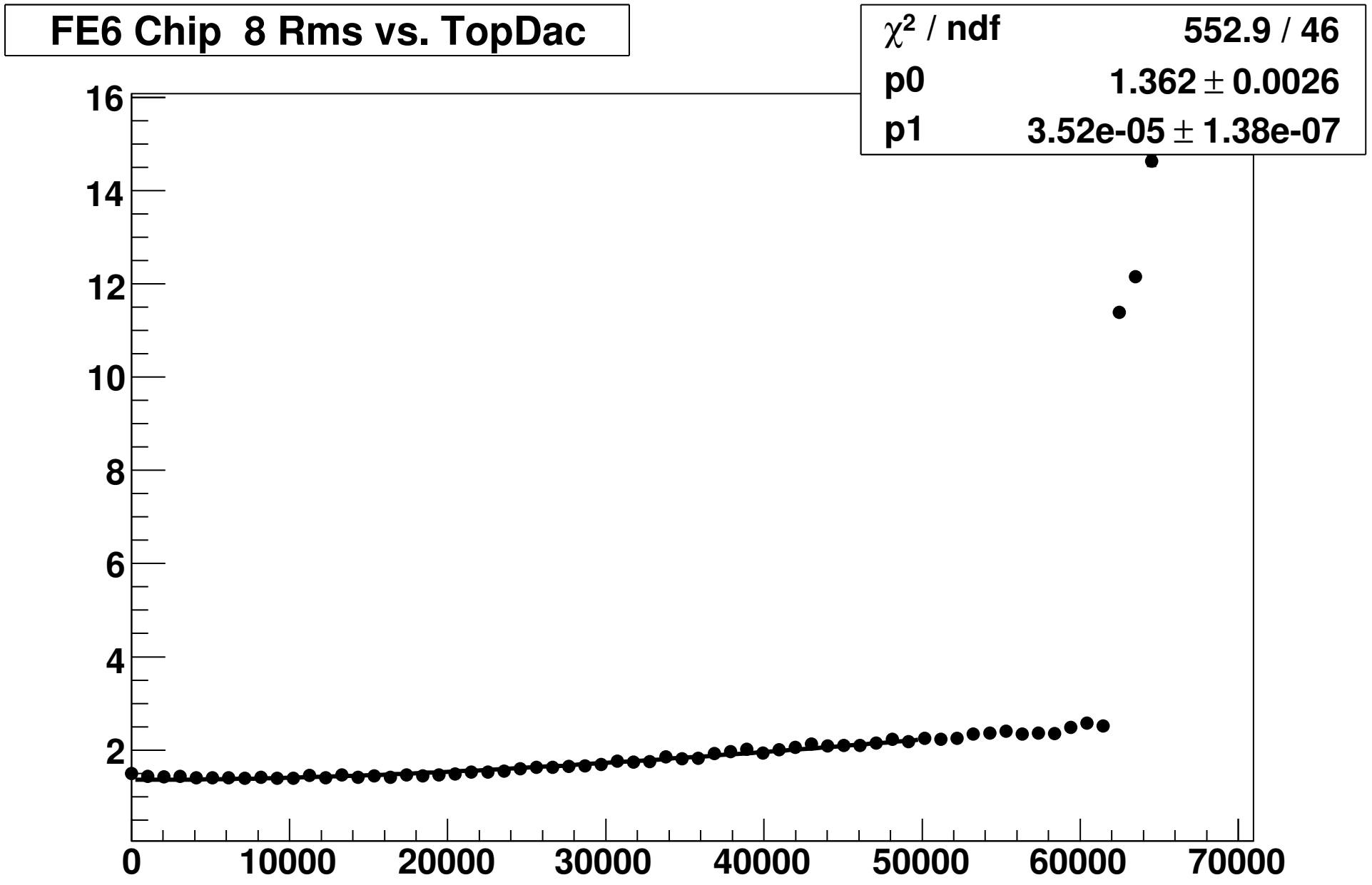

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 4.211e+10 / 46
p0 -455.6 ± 0.004624
p1 0.4493 ± 1.851e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

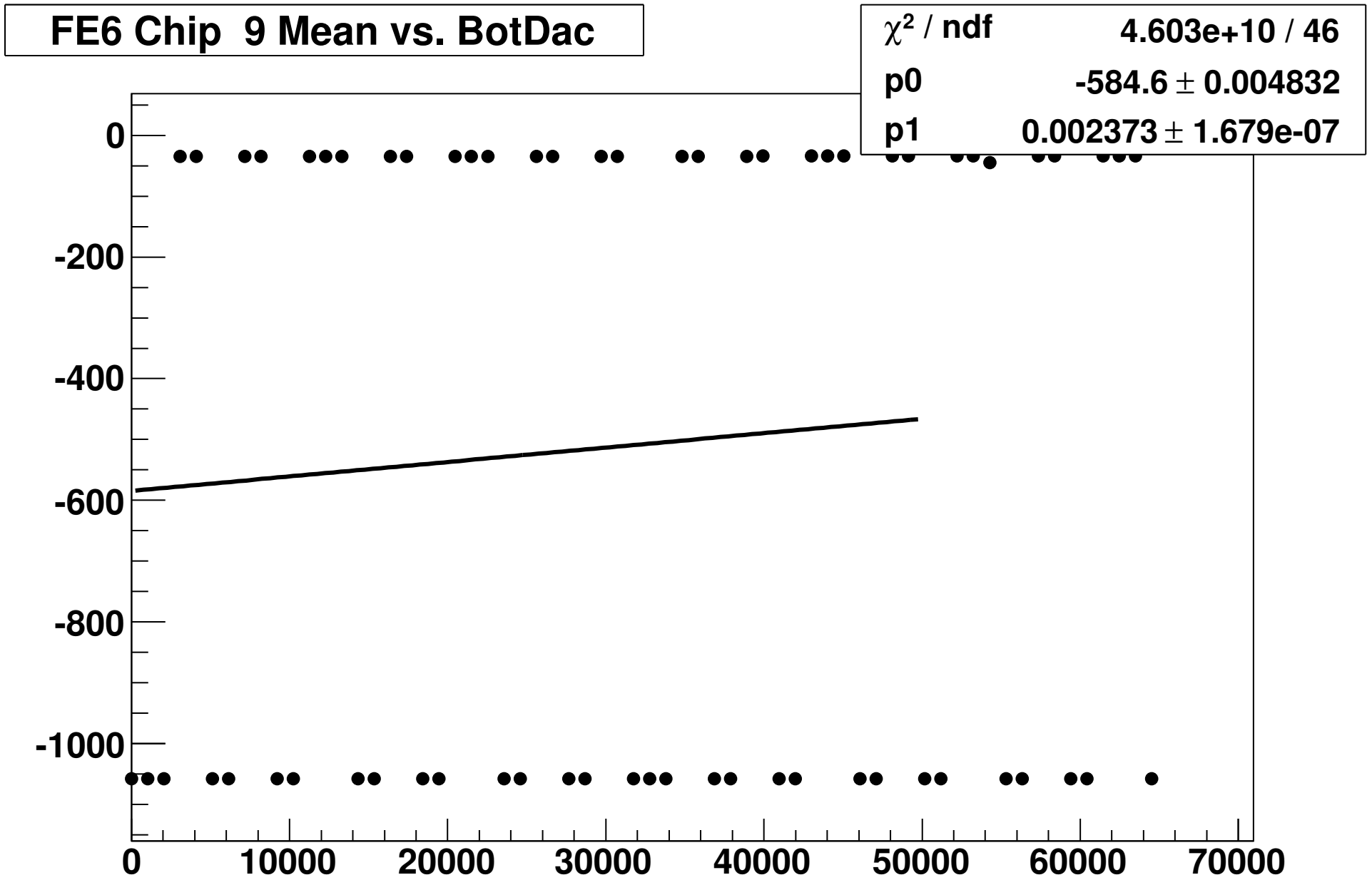

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1.878e+04 / 46
p0 1.363 ± 0.002593
p1 3.469e-05 ± 1.392e-07
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

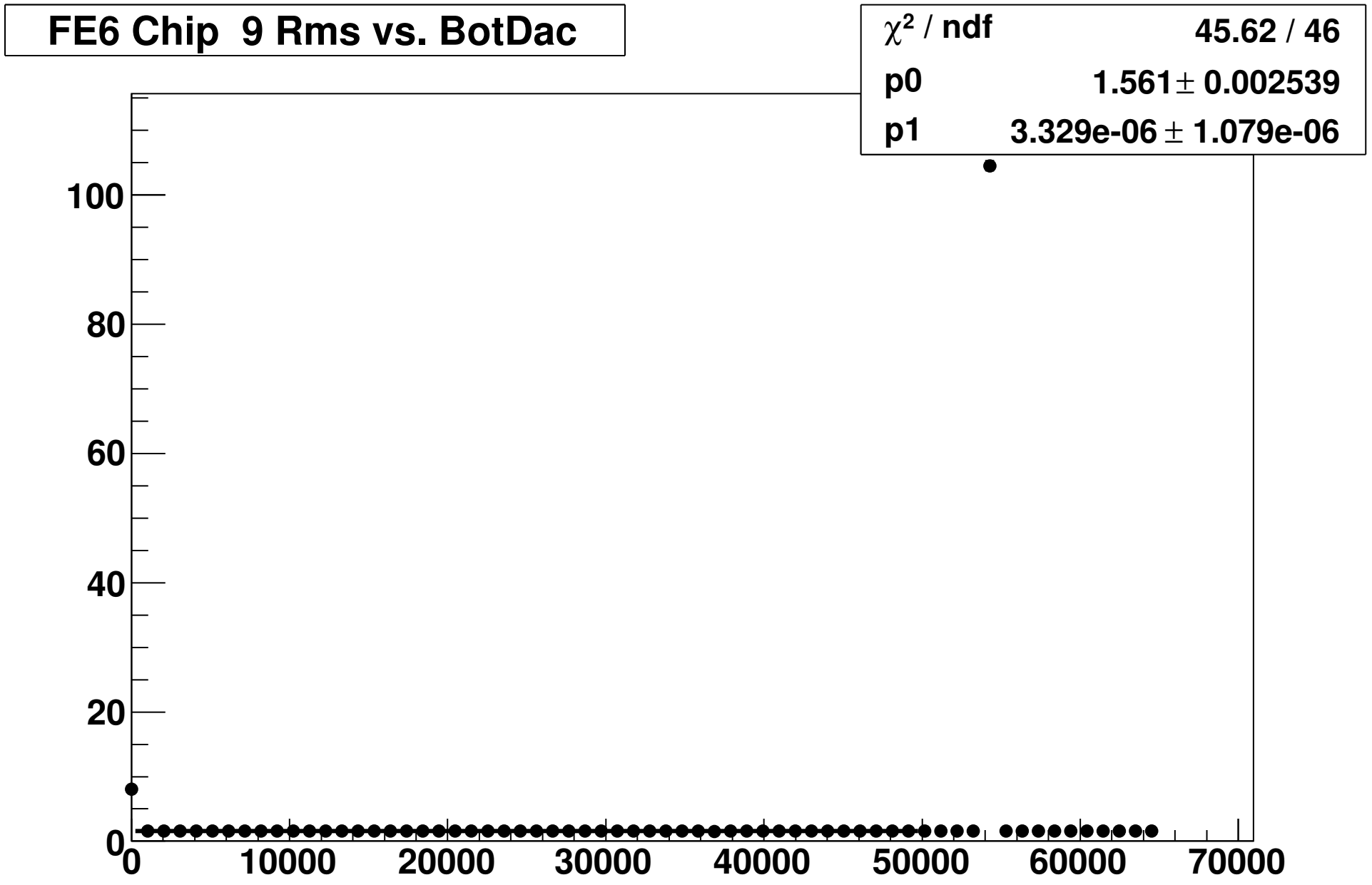

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 1524 / 46
p0 -37.1 ± 0.0045
p1 3.067e-06 ± 1.564e-07
-36.7
-36.8
-36.9
-37
-37.1
-37.2
0
10000
20000
30000
40000
50000
60000
70000

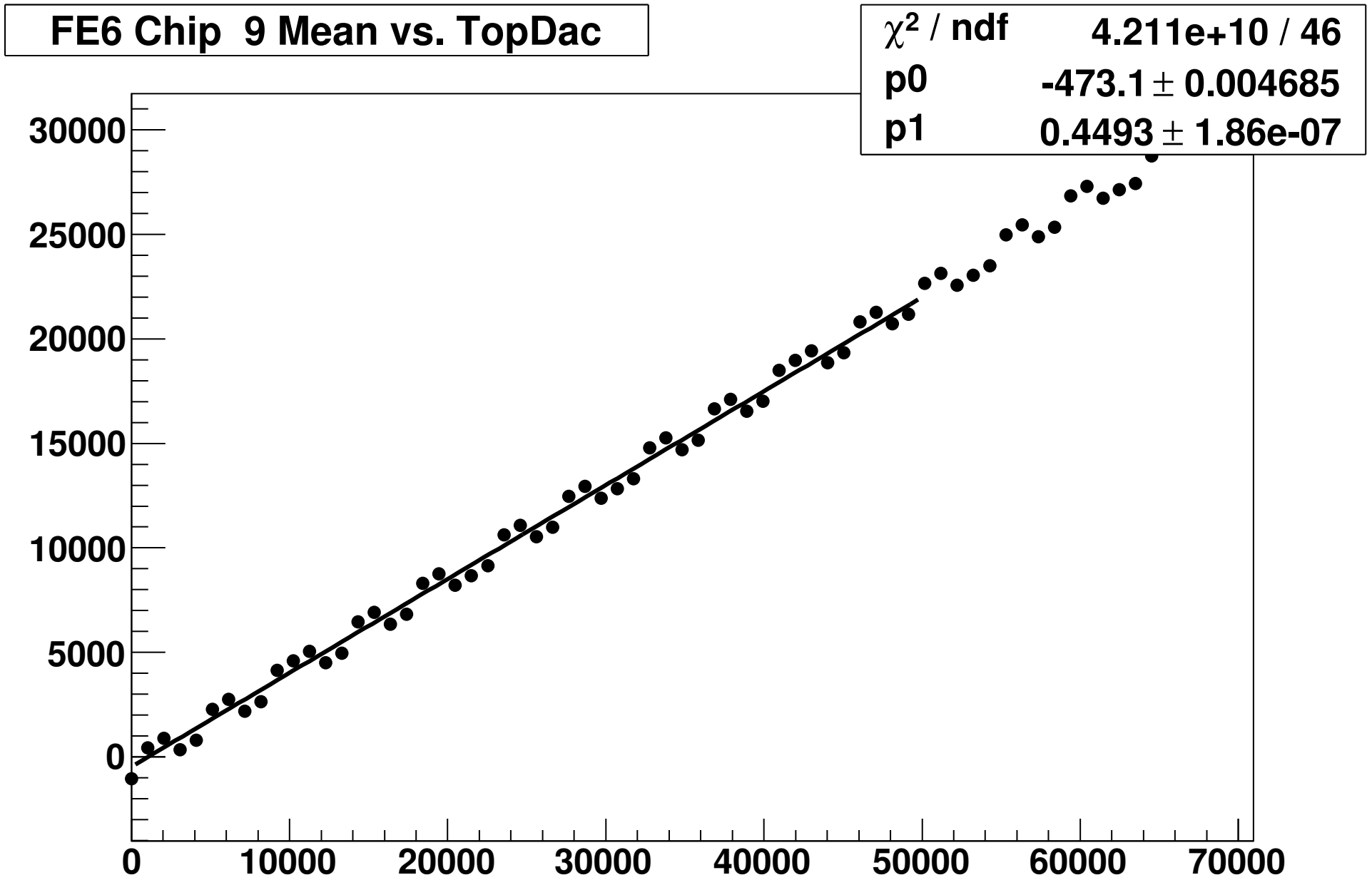

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 62.28 / 46
p0 1.452 ± 0.002365
p1 3.297e-06 ± 9.438e-07
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

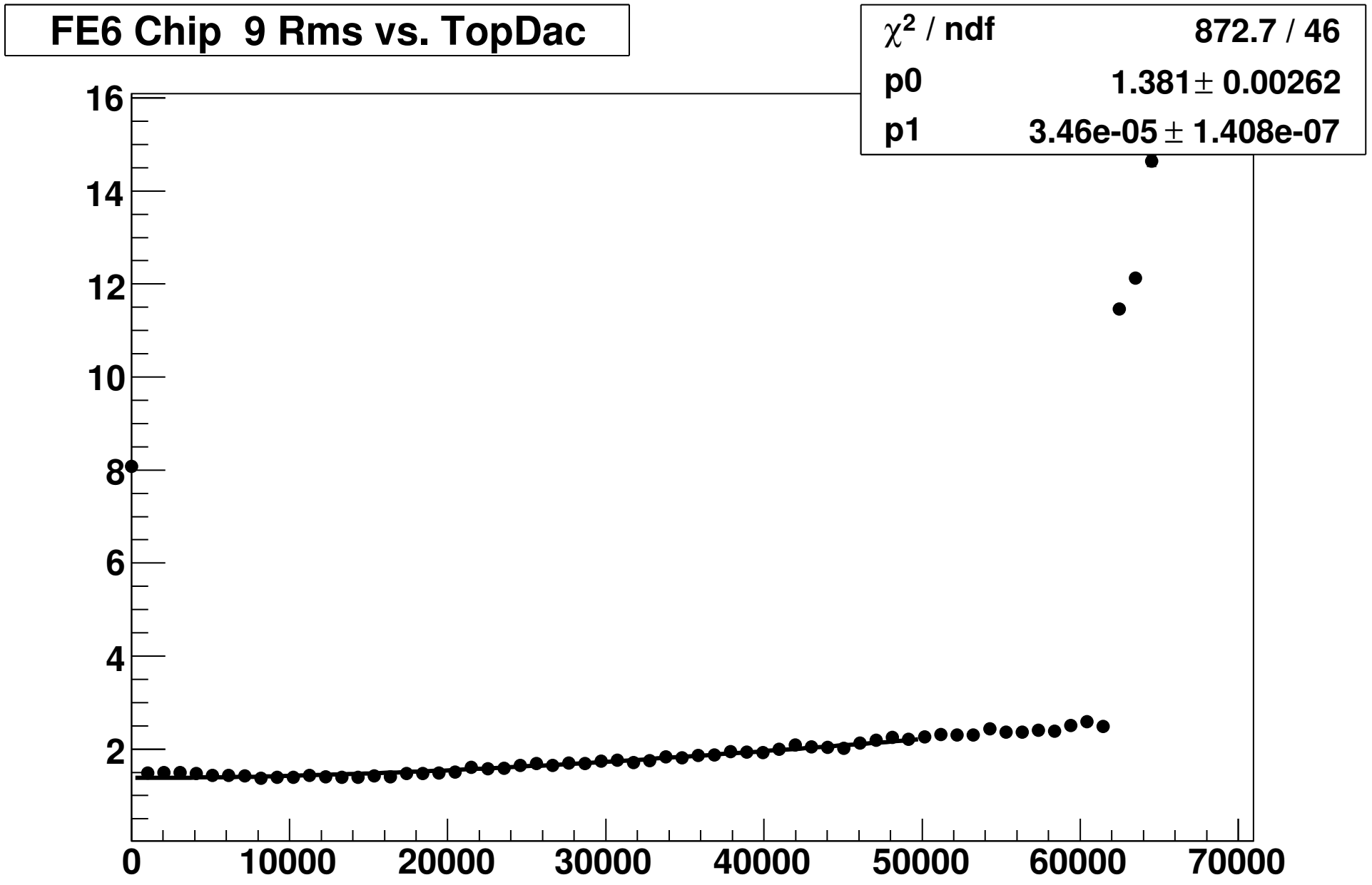

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.189e+05 / 46
p0 -39.36 ± 0.004624
p1 0.4525 ± 1.848e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

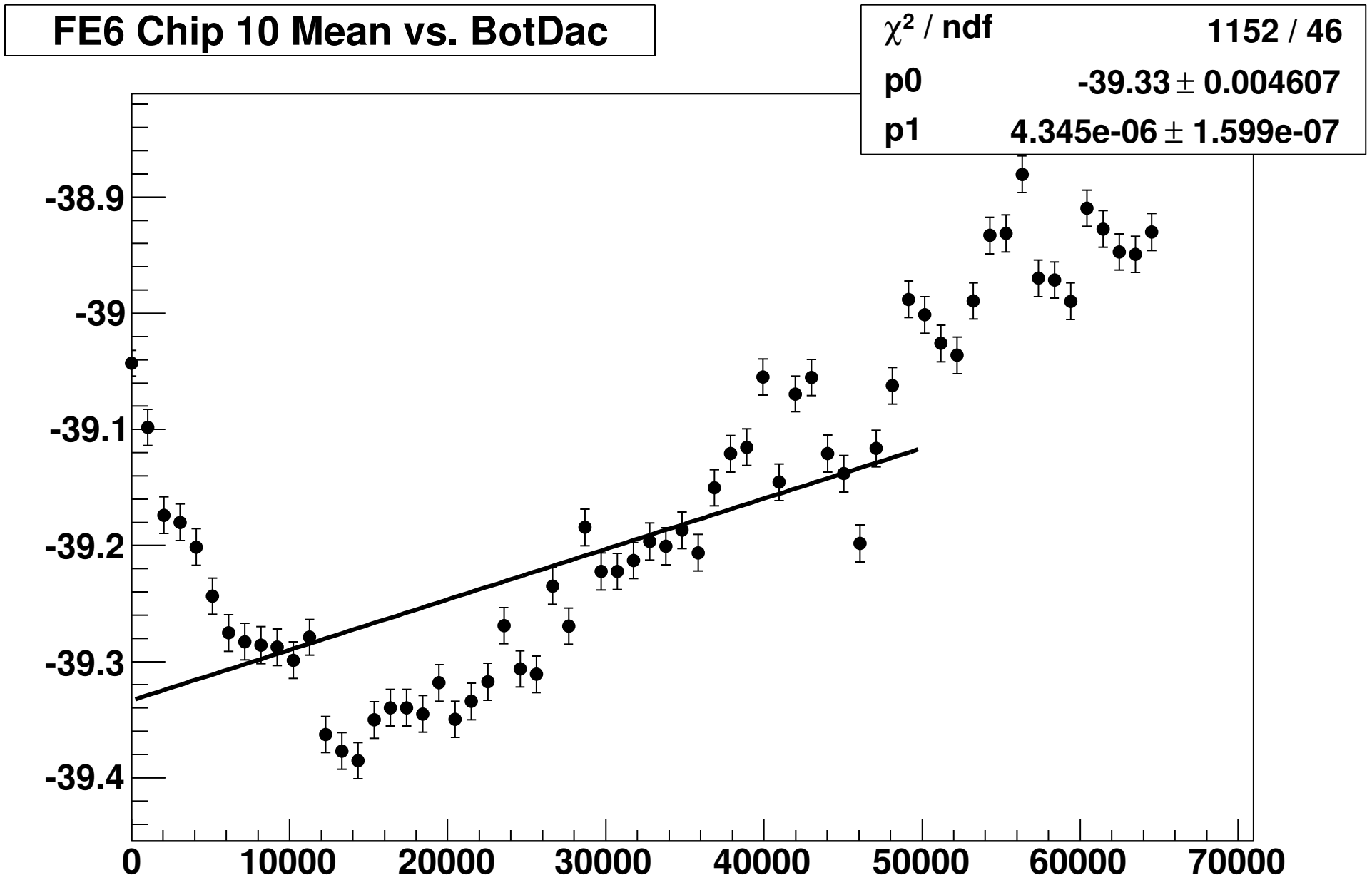

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 552.9 / 46
p0 1.362 ± 0.0026
p1 3.52e-05 ± 1.38e-07
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

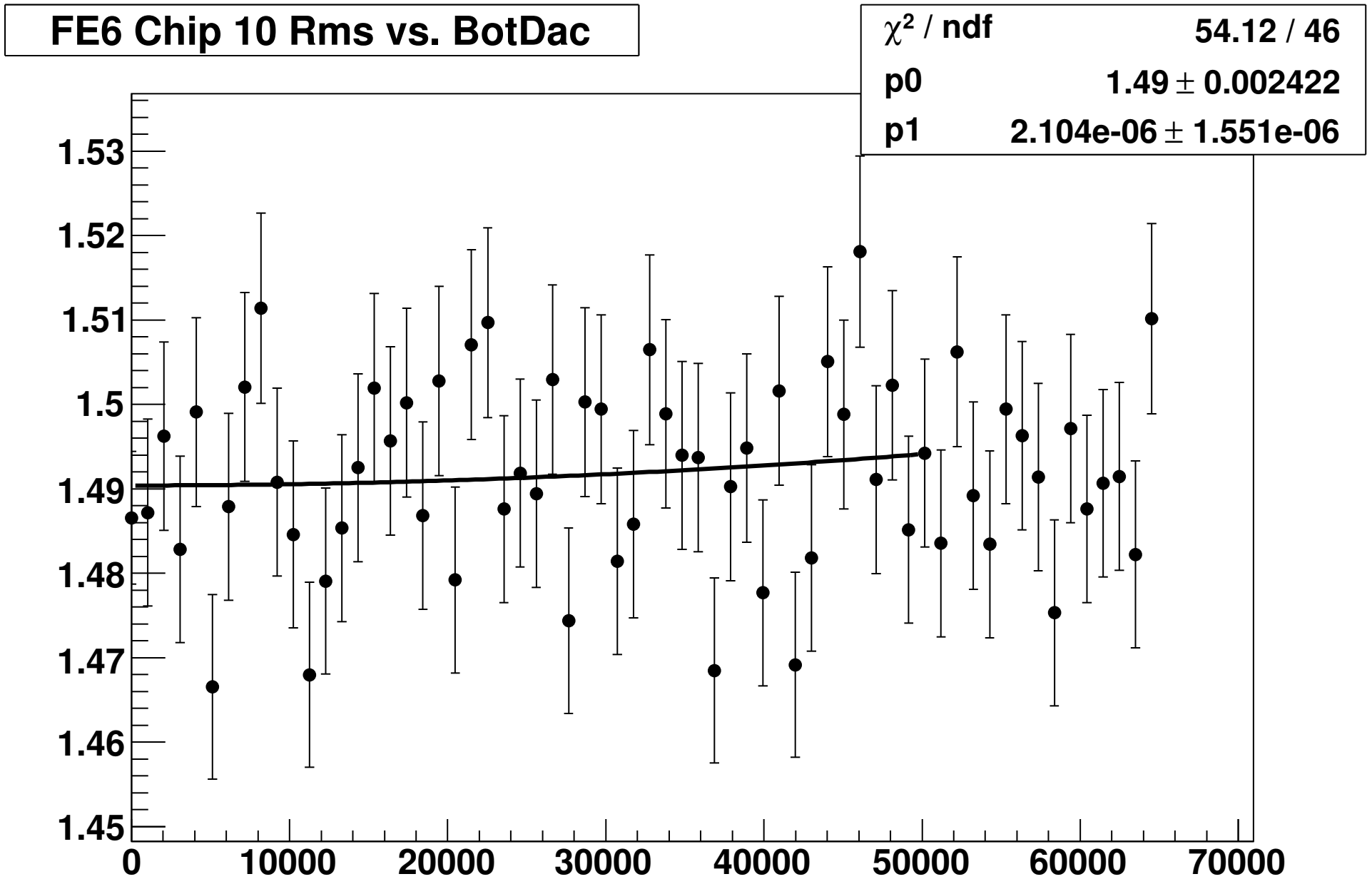

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 4.603e+10 / 46
p0 -584.6 ± 0.004832
p1 0.002373 ± 1.679e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000

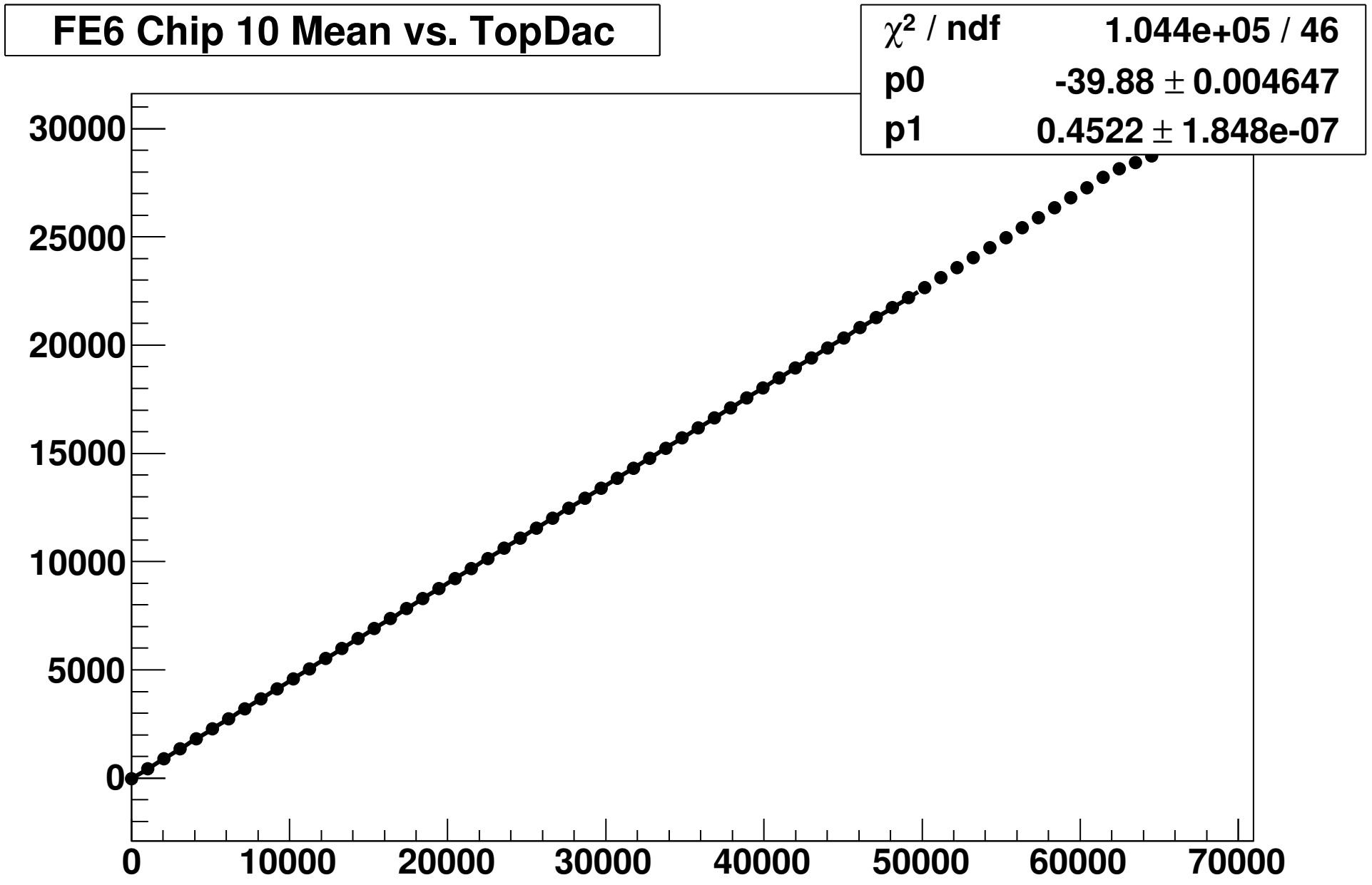

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 45.62 / 46
p0 1.561 ± 0.002539
p1 3.329e-06 ± 1.079e-06
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

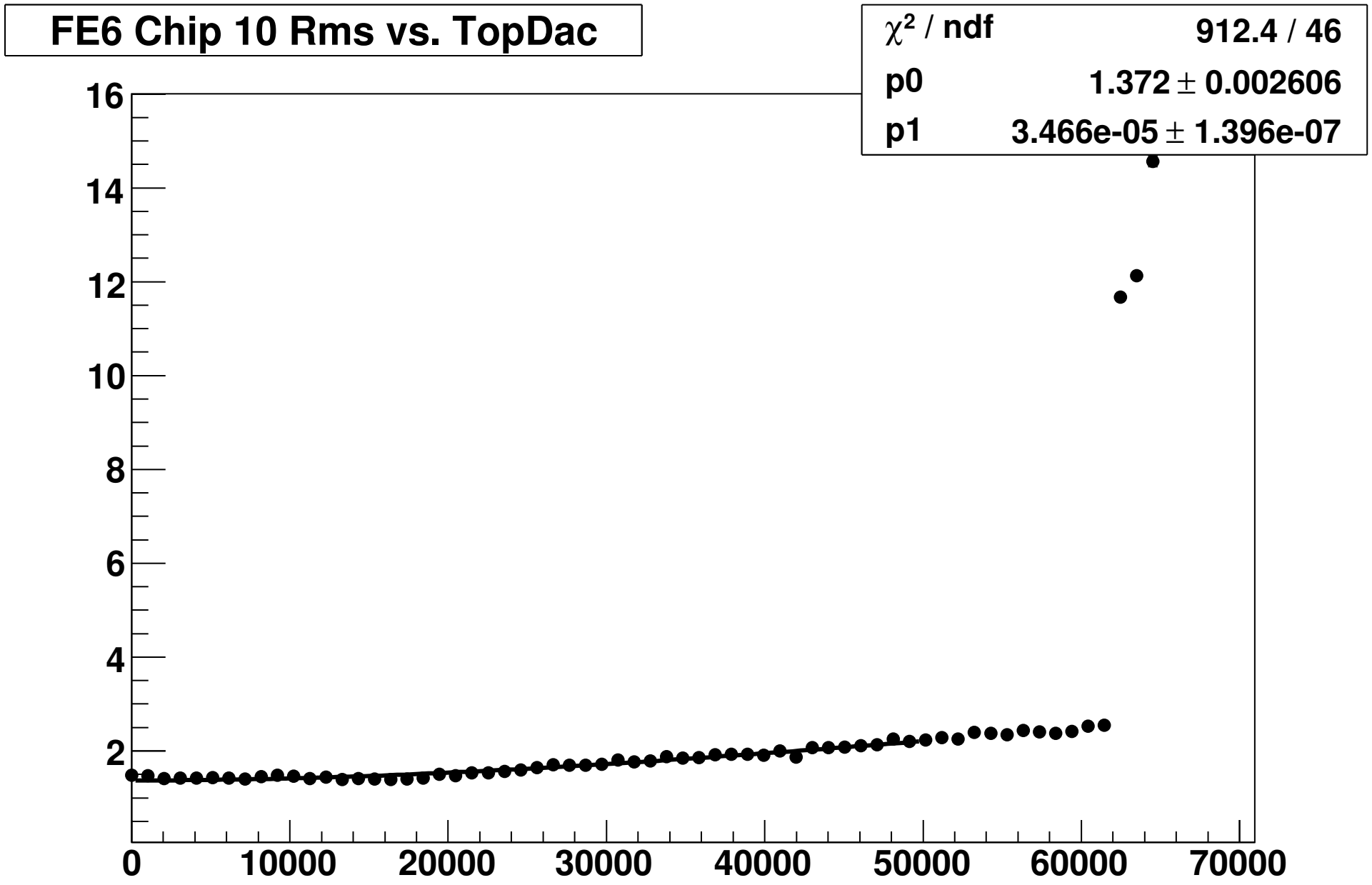

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 4.211e+10 / 46
p0 -473.1 ± 0.004685
p1 0.4493 ± 1.86e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

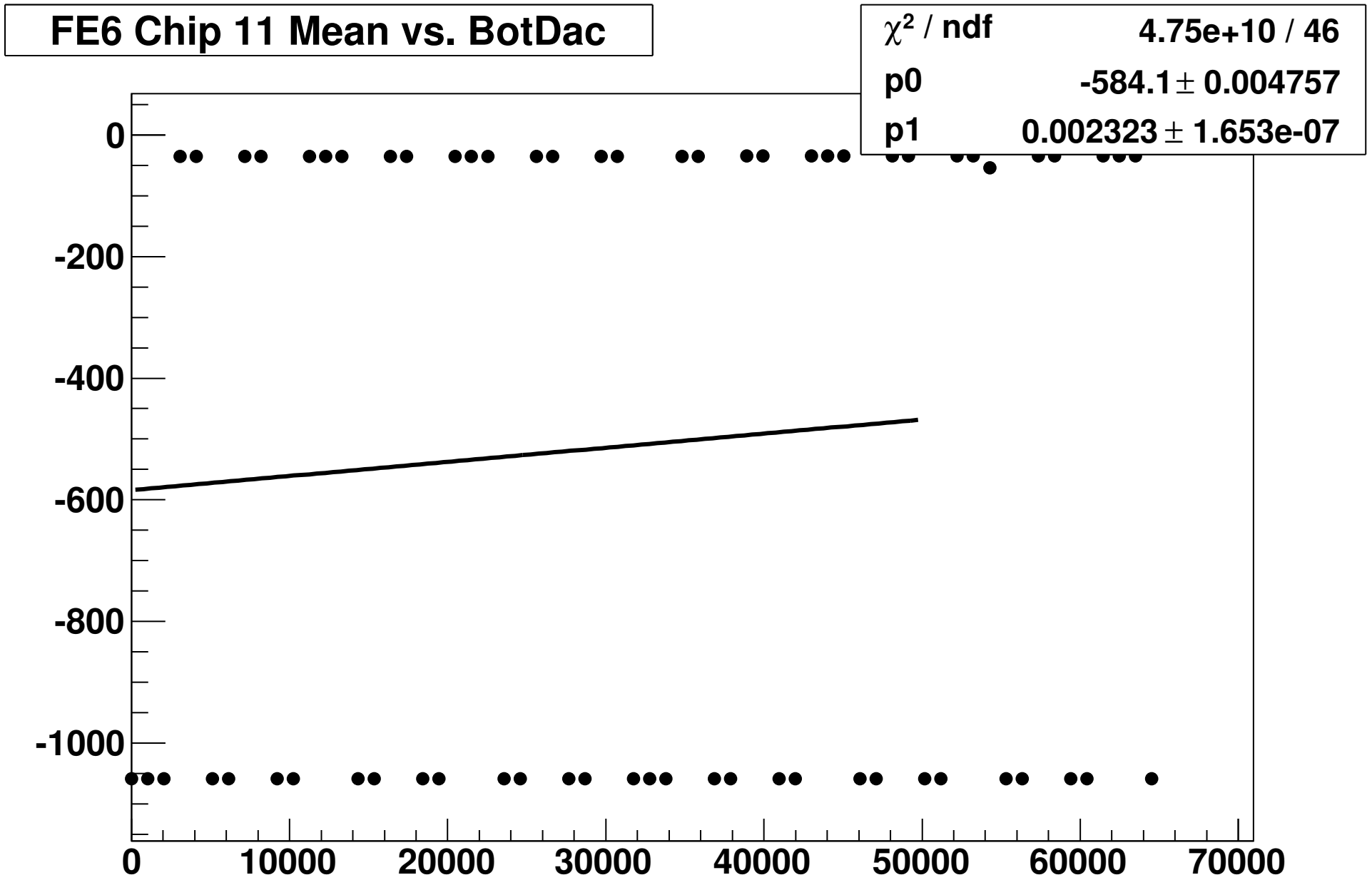

FE6 Chip 9 Rms vs. TopDac
χ² / ndf 872.7 / 46
p0 1.381 ± 0.00262
p1 3.46e-05 ± 1.408e-07
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 1152 / 46
p0 -39.33 ± 0.004607
p1 4.345e-06 ± 1.599e-07
-38.9
-39
-39.1
-39.2
-39.3
-39.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 54.12 / 46
p0 1.49 ± 0.002422
p1 2.104e-06 ± 1.551e-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


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.044e+05 / 46
p0 -39.88 ± 0.004647
p1 0.4522 ± 1.848e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 912.4 / 46
p0 1.372 ± 0.002606
p1 3.466e-05 ± 1.396e-07
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 4.75e+10 / 46
p0 -584.1 ± 0.004757
p1 0.002323 ± 1.653e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
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60000
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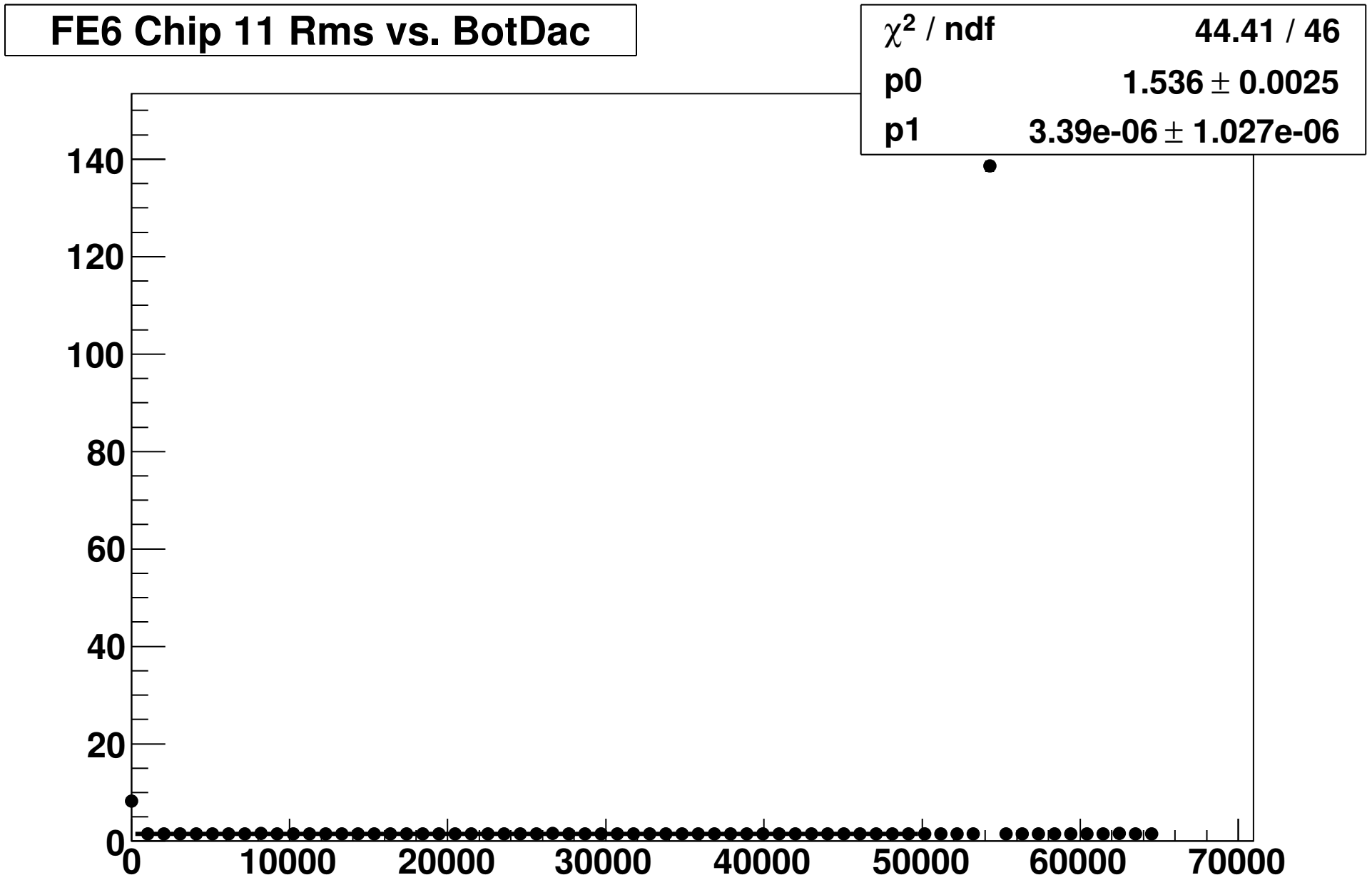
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 44.41 / 46
p0 1.536 ± 0.0025
p1 3.39e-06 ± 1.027e-06
140
120
100
80
60
40
20
0
0
10000
20000
30000
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60000
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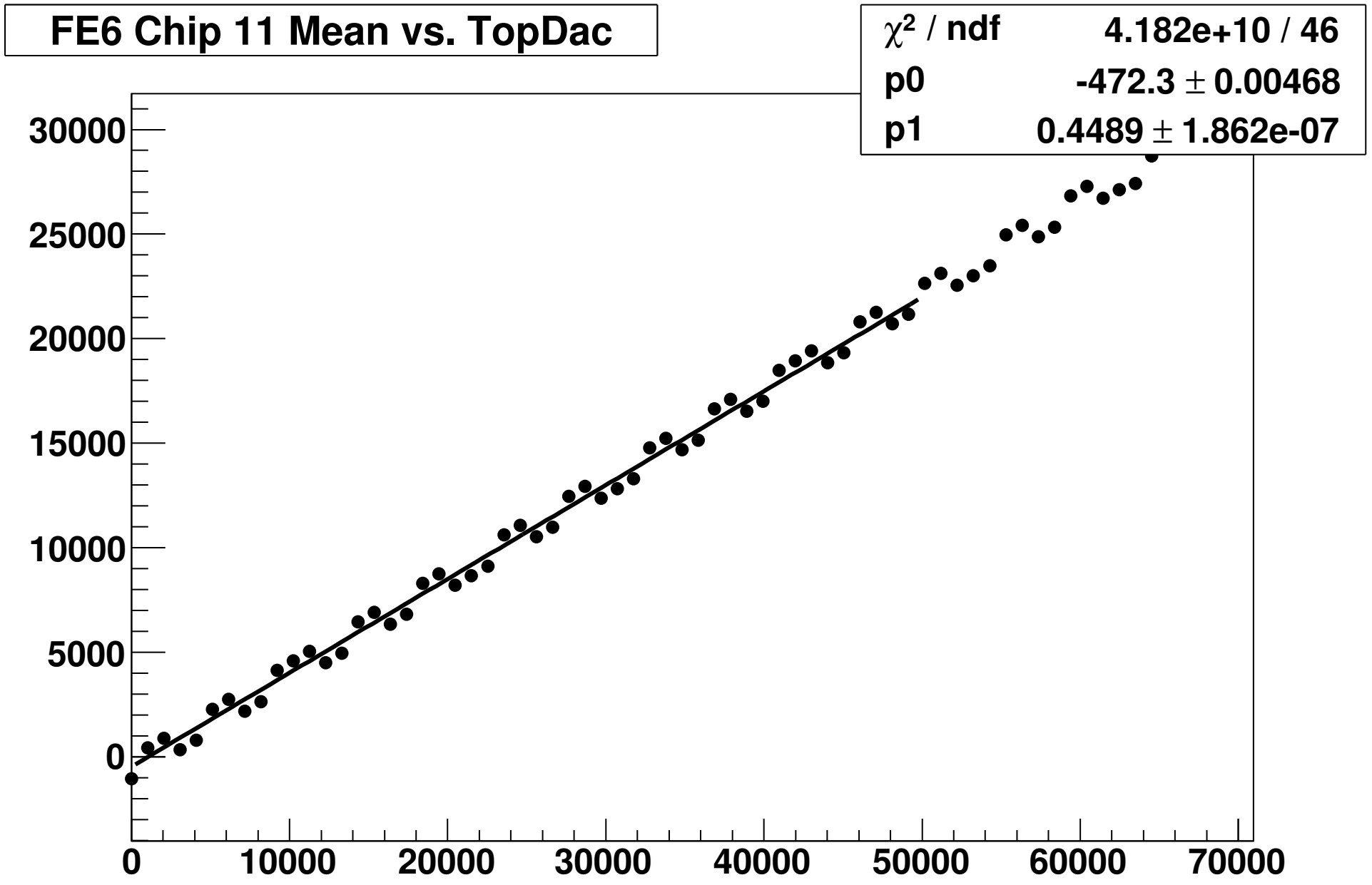
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 4.182e+10 / 46
p0 -472.3 ± 0.00468
p1 0.4489 ± 1.862e-07
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20000
15000
10000
5000
0
0
10000
20000
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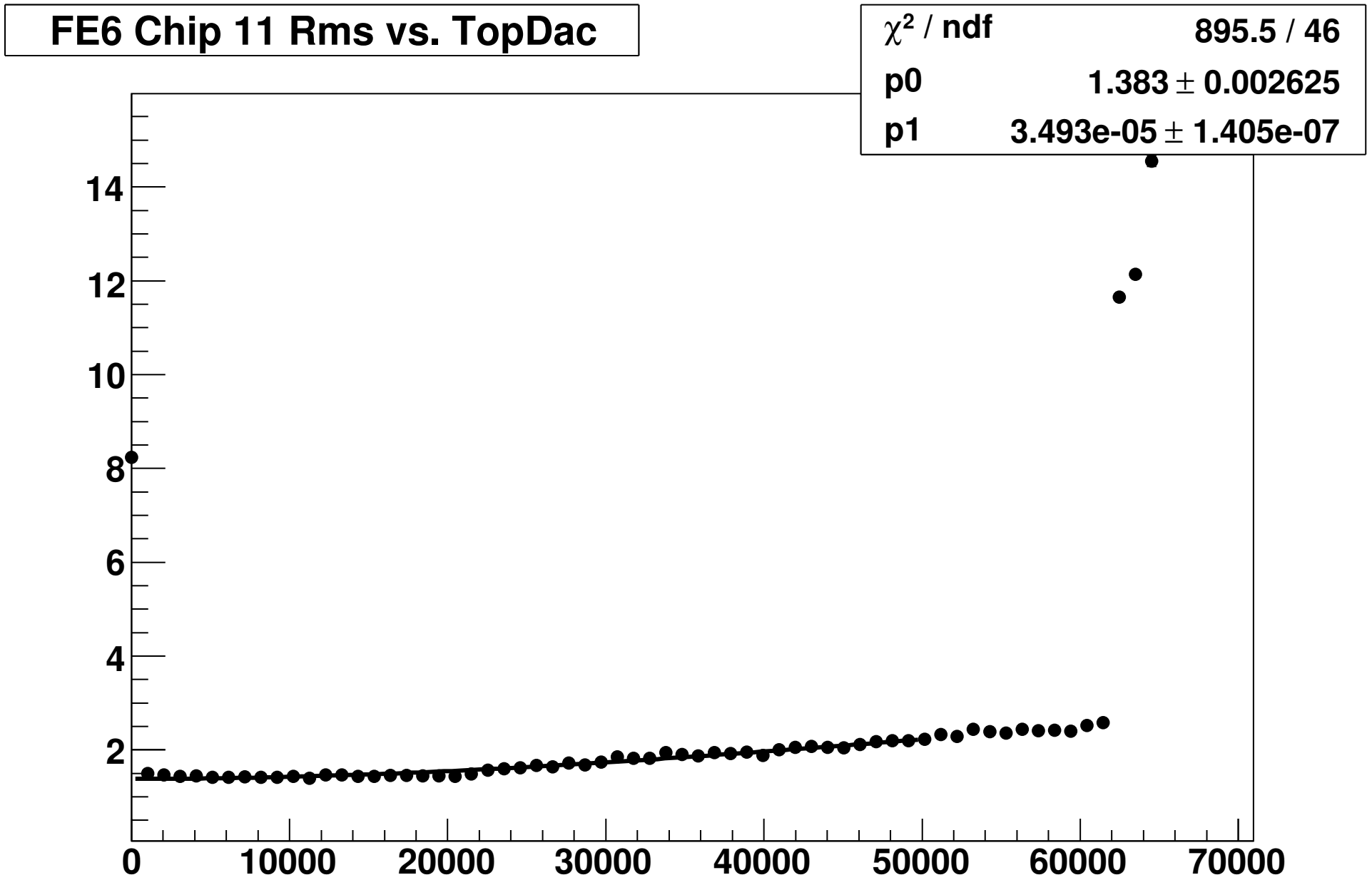
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 895.5 / 46
p0 1.383 ± 0.002625
p1 3.493e-05 ± 1.405e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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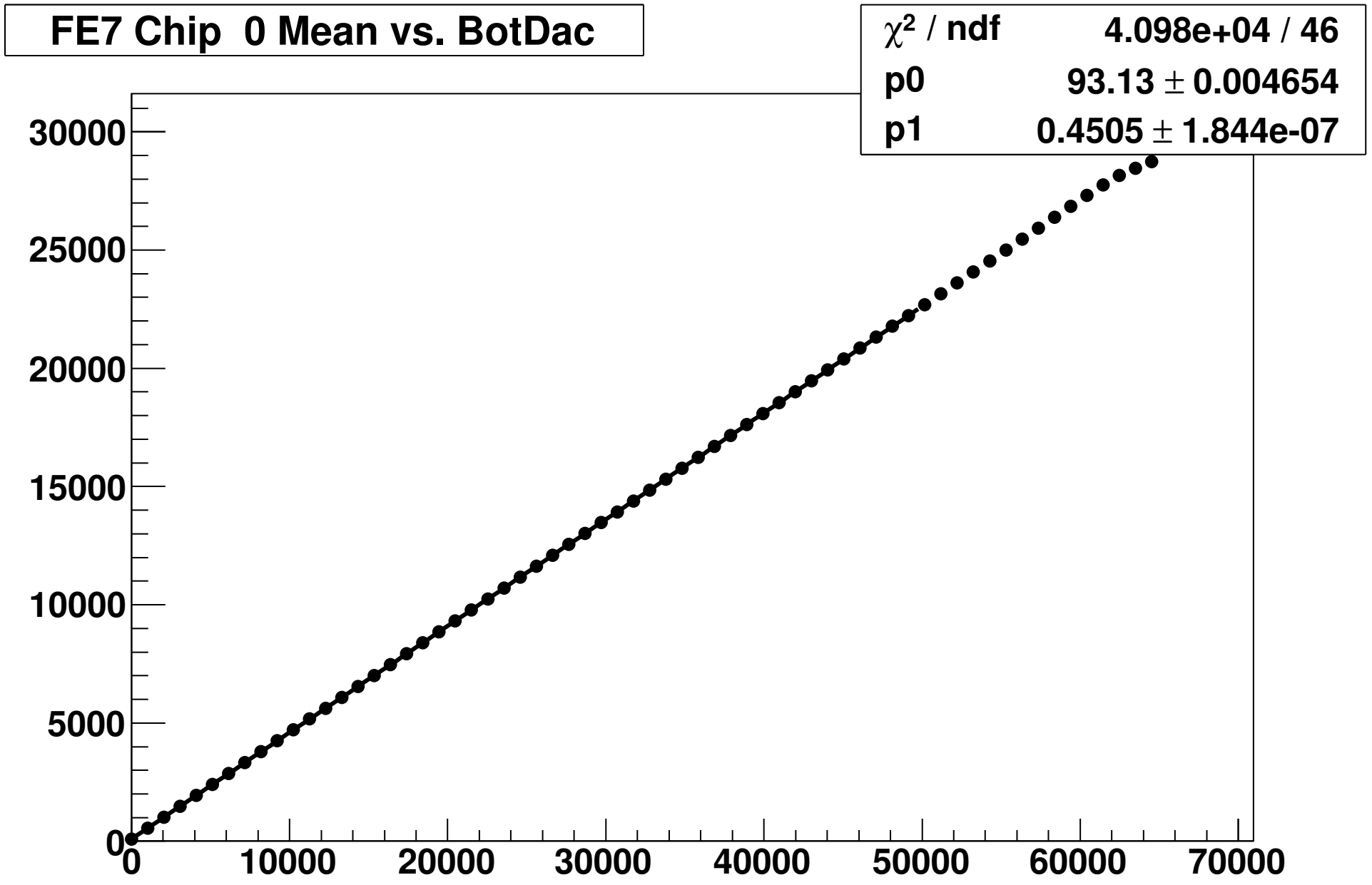
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 4.098e+04 / 46
p0 93.13 ± 0.004654
p1 0.4505 ± 1.844e-07
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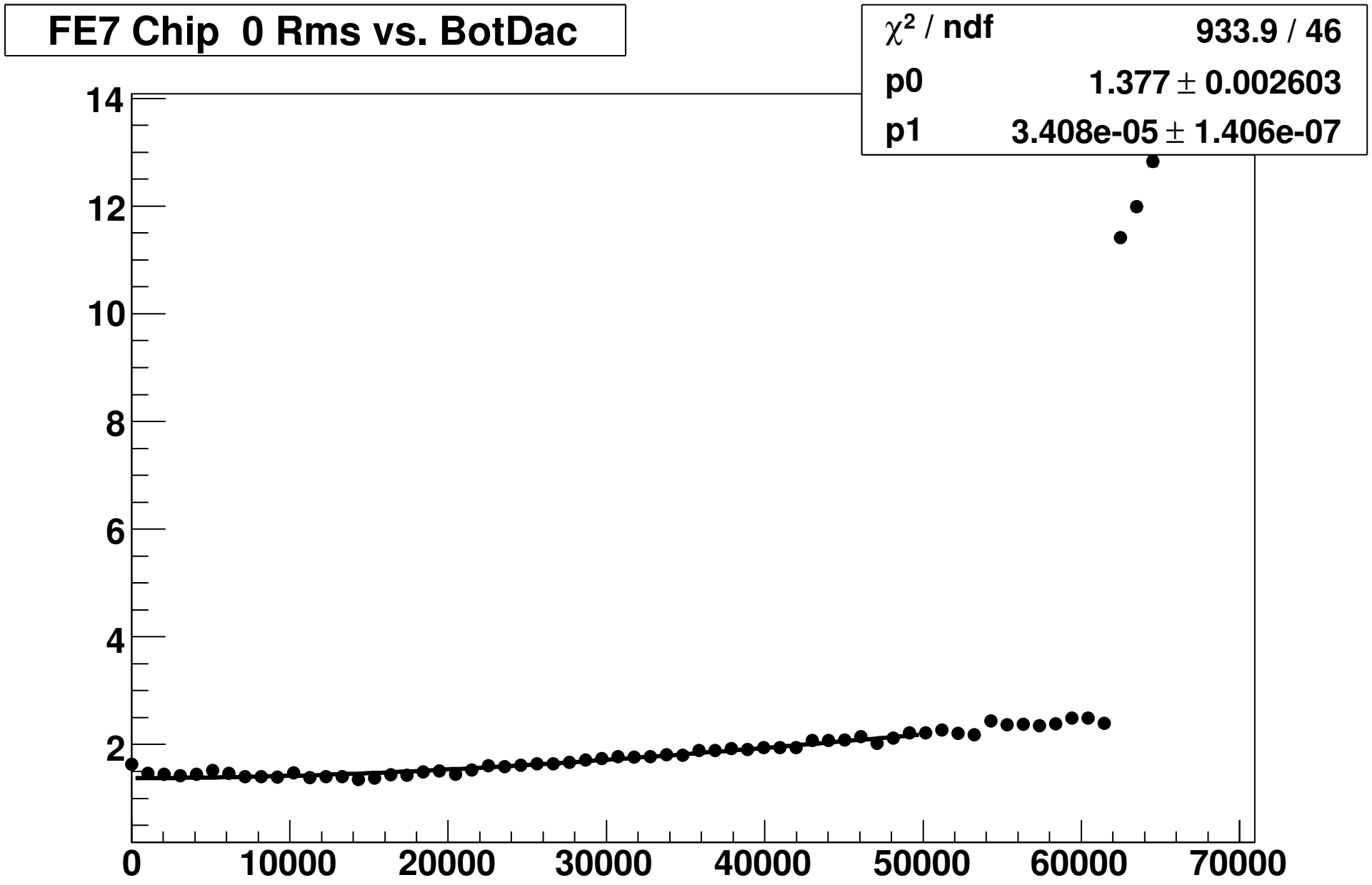
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 933.9 / 46
p0 1.377 ± 0.002603
p1 3.408e-05 ± 1.406e-07
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12
10
8
6
4
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20000
30000
40000
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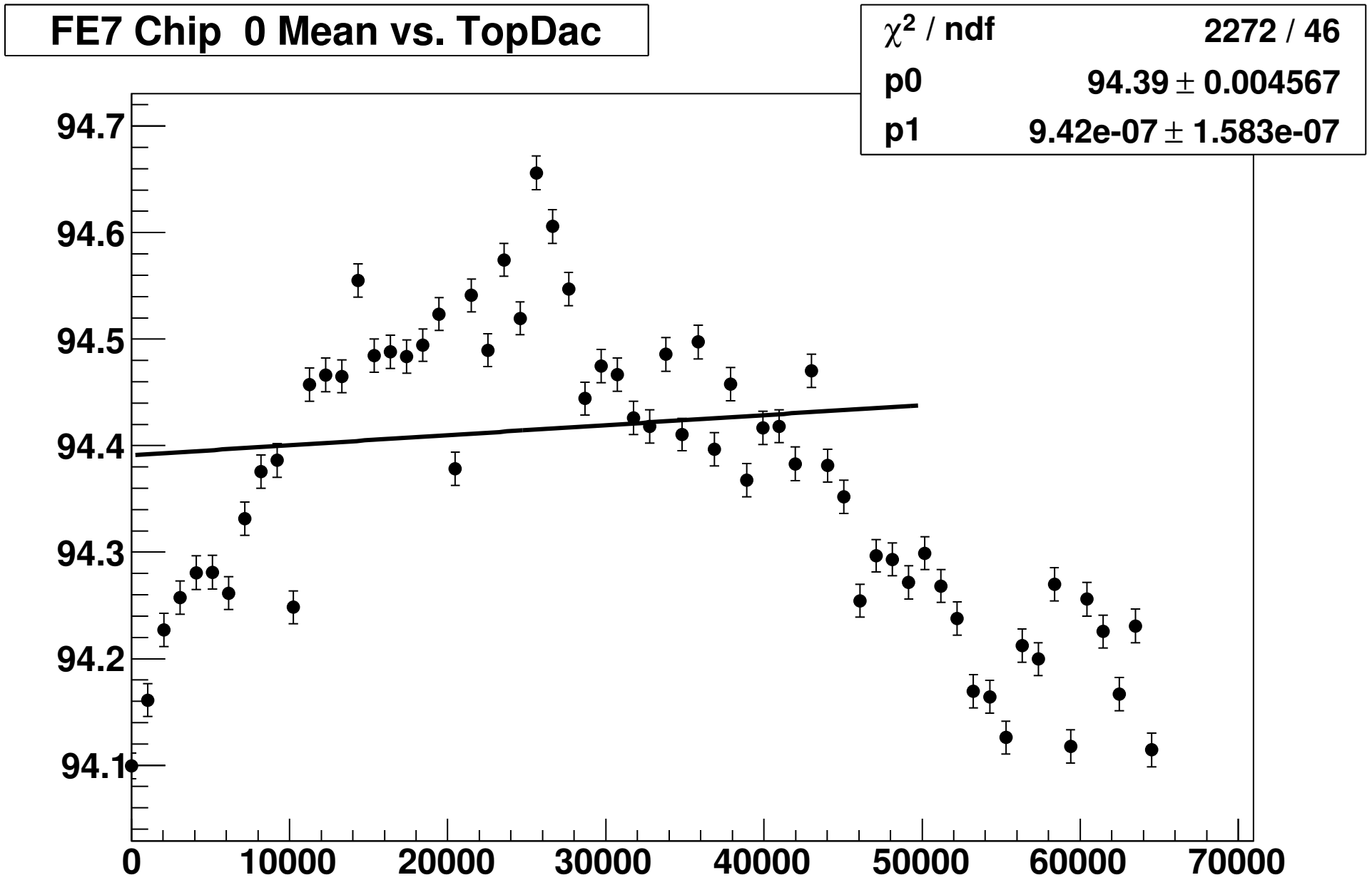
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 2272 / 46
p0 94.39 ± 0.004567
p1 9.42e-07 ± 1.583e-07
94.7
94.6
94.5
94.4
94.3
94.2
94.1
0
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30000
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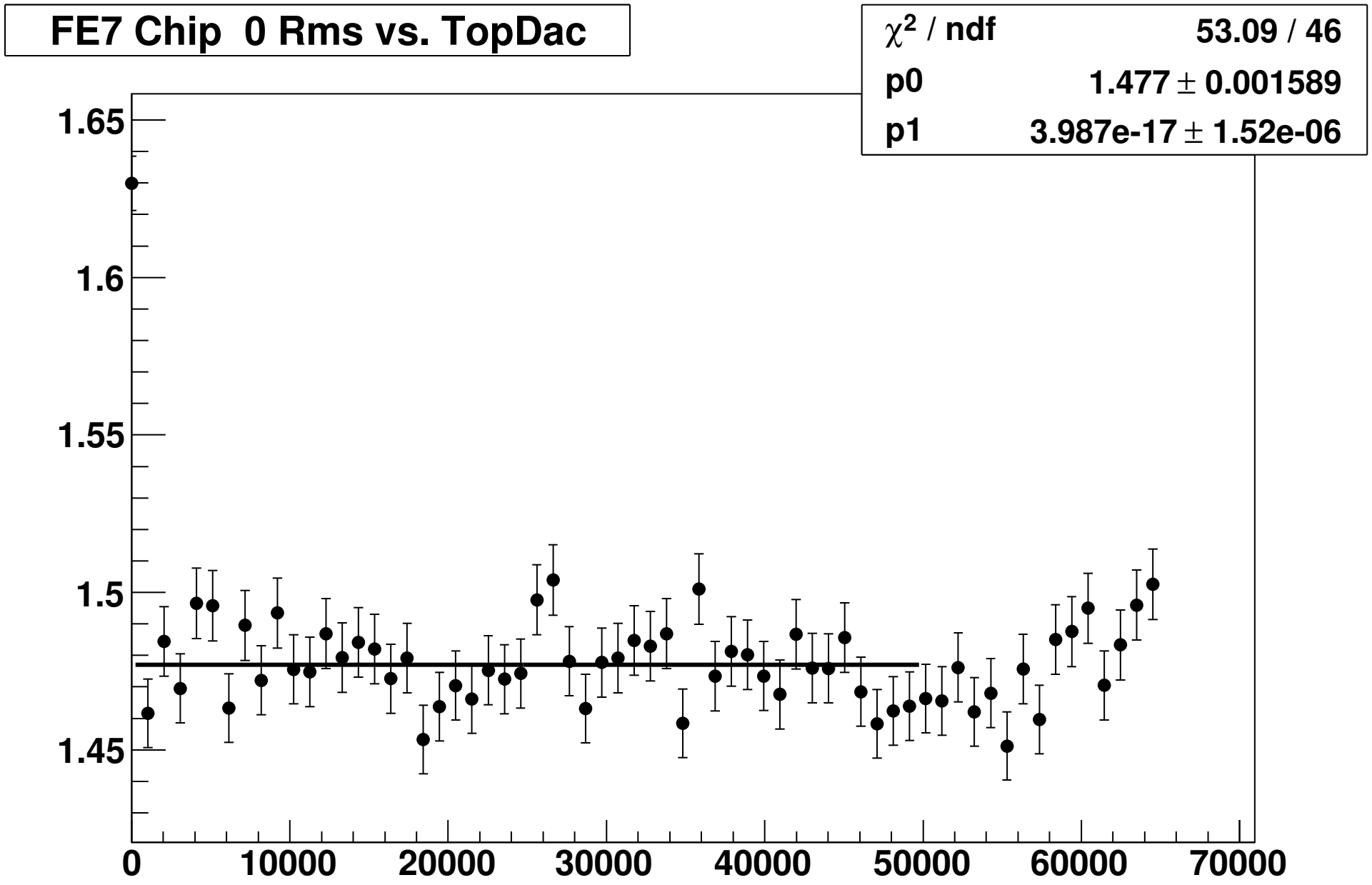
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 53.09 / 46
p0 1.477 ± 0.001589
p1 3.987e-17 ± 1.52e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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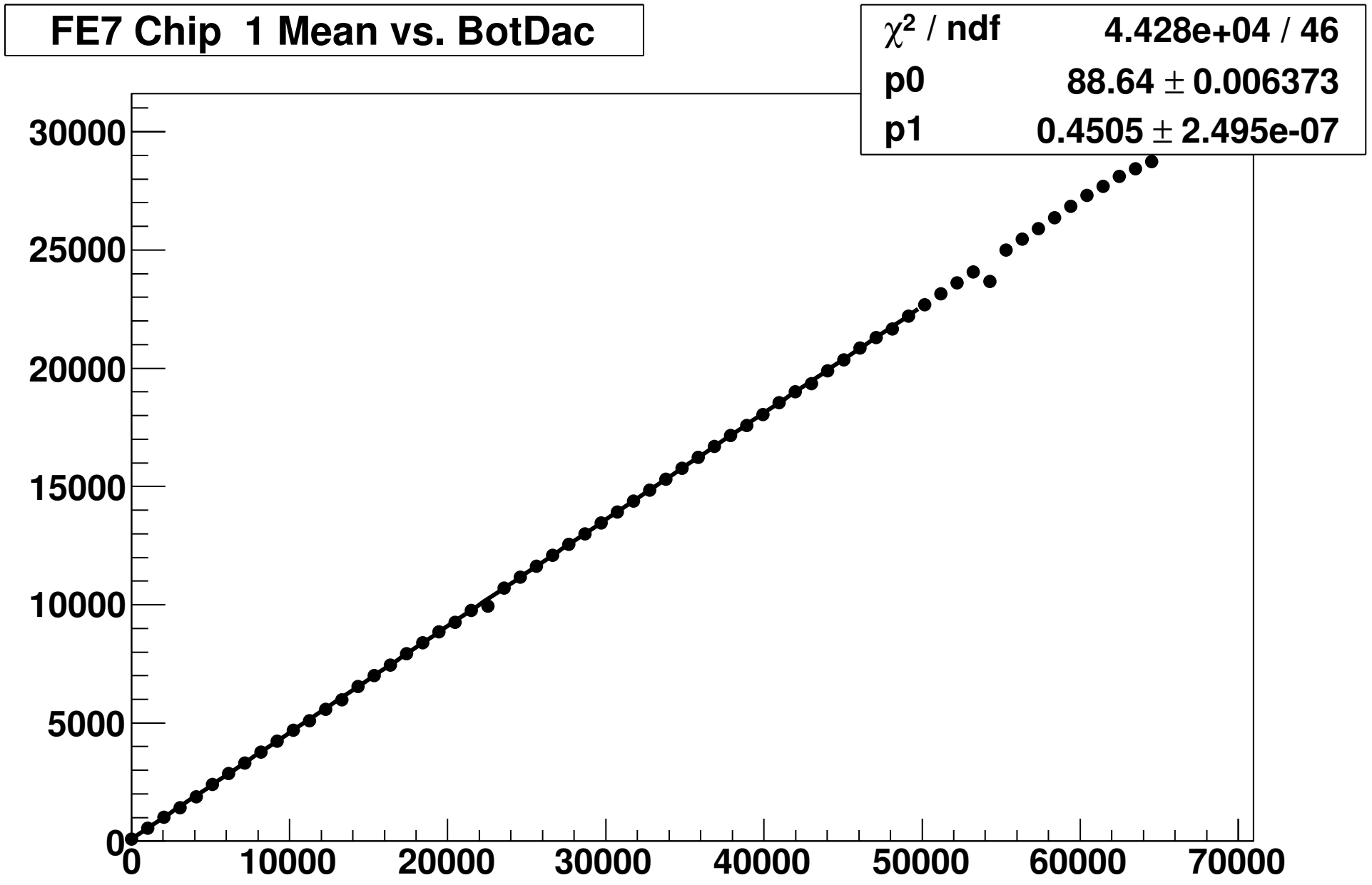
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 4.428e+04 / 46
p0 88.64 ± 0.006373
p1 0.4505 ± 2.495e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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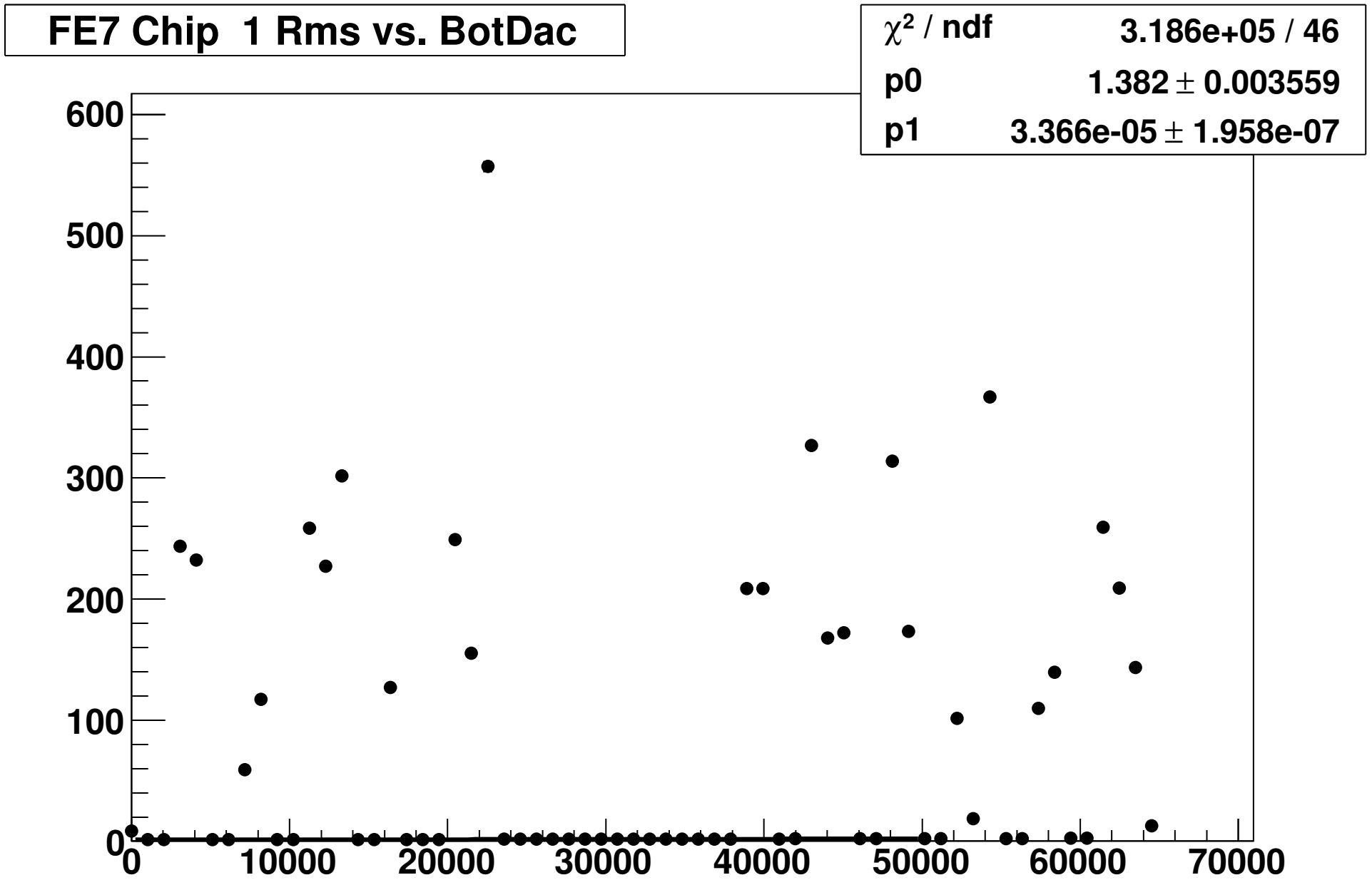
FE7 Chip 1 Rms vs. BotDac
χ² / ndf 3.186e+05 / 46
p0 1.382 ± 0.003559
p1 3.366e-05 ± 1.958e-07
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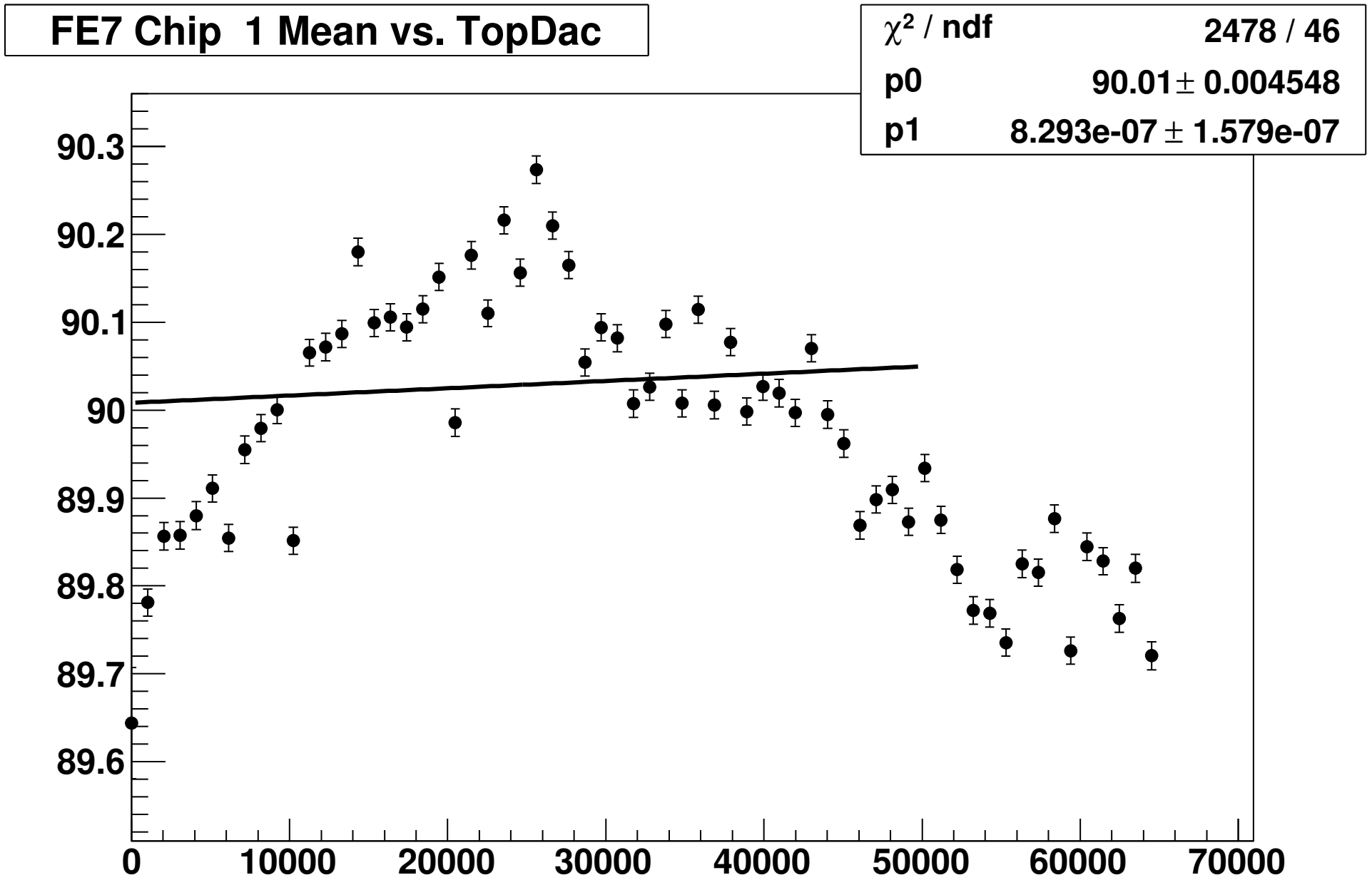
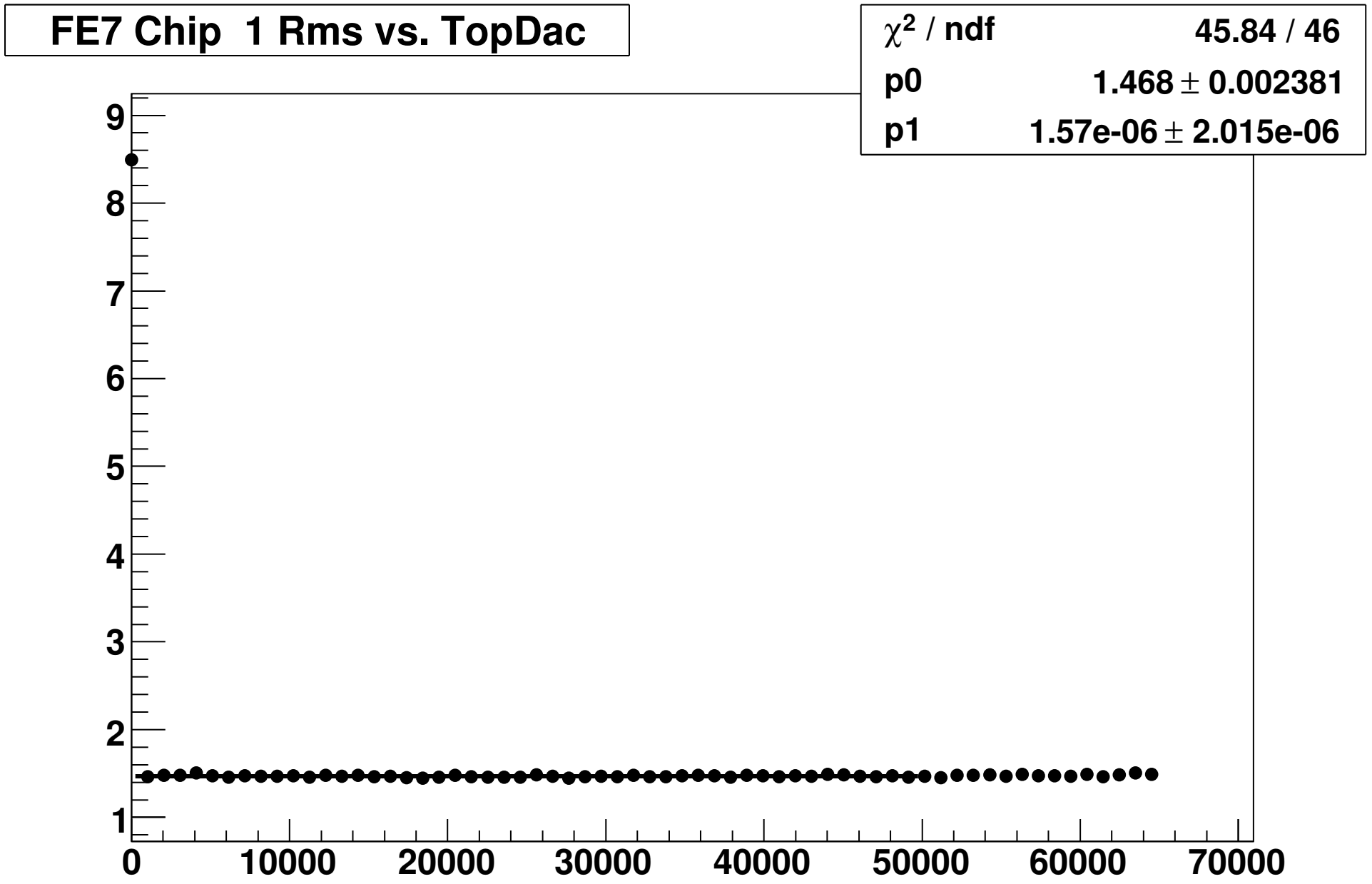
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 2478 / 46
p0 90.01 ± 0.004548
p1 8.293e-07 ± 1.579e-07
90.3
90.2
90.1
90
89.9
89.8
89.7
89.6
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 45.84 / 46
p0 1.468 ± 0.002381
p1 1.57e-06 ± 2.015e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
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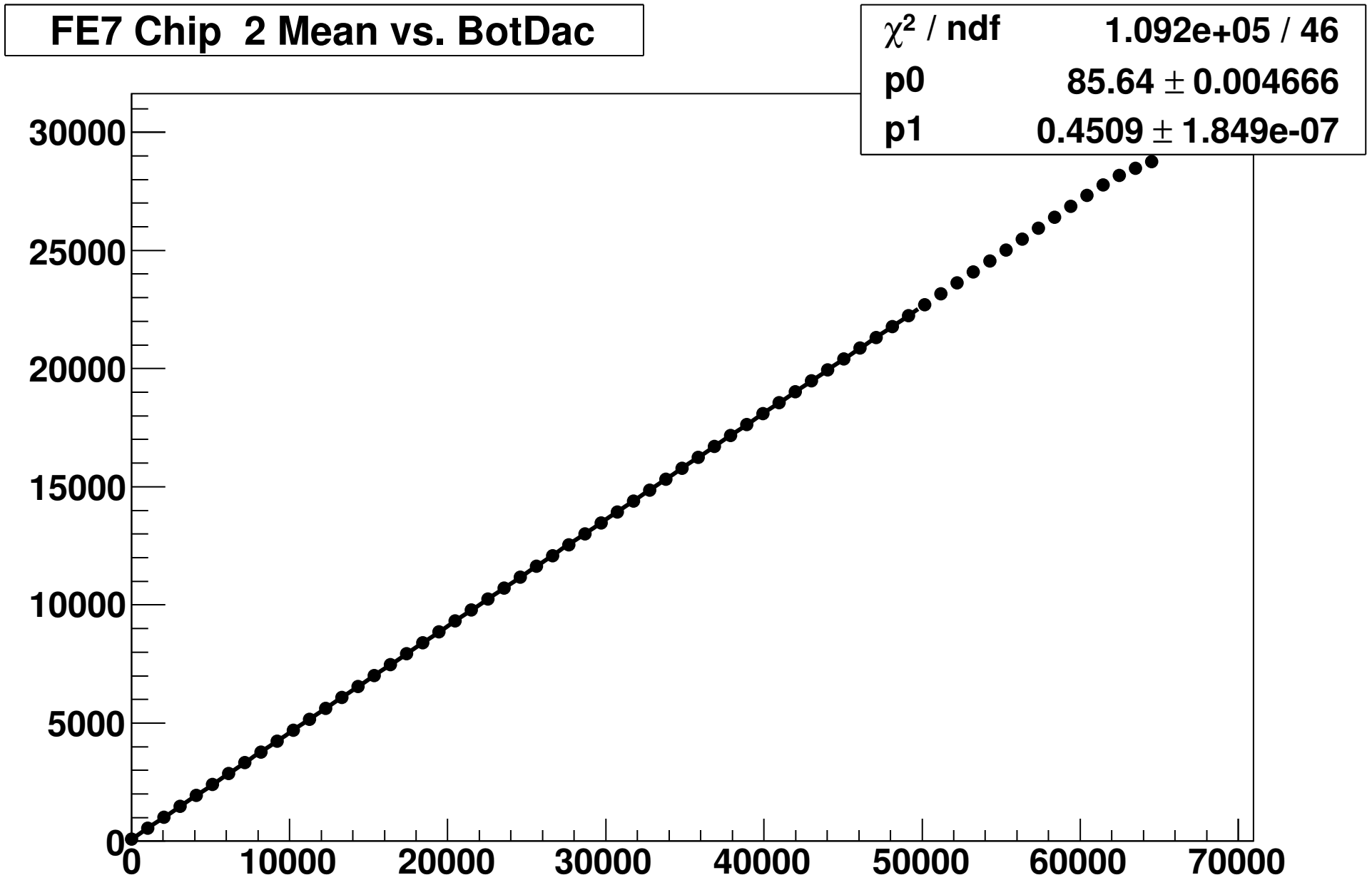
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.092e+05 / 46
p0 85.64 ± 0.004666
p1 0.4509 ± 1.849e-07
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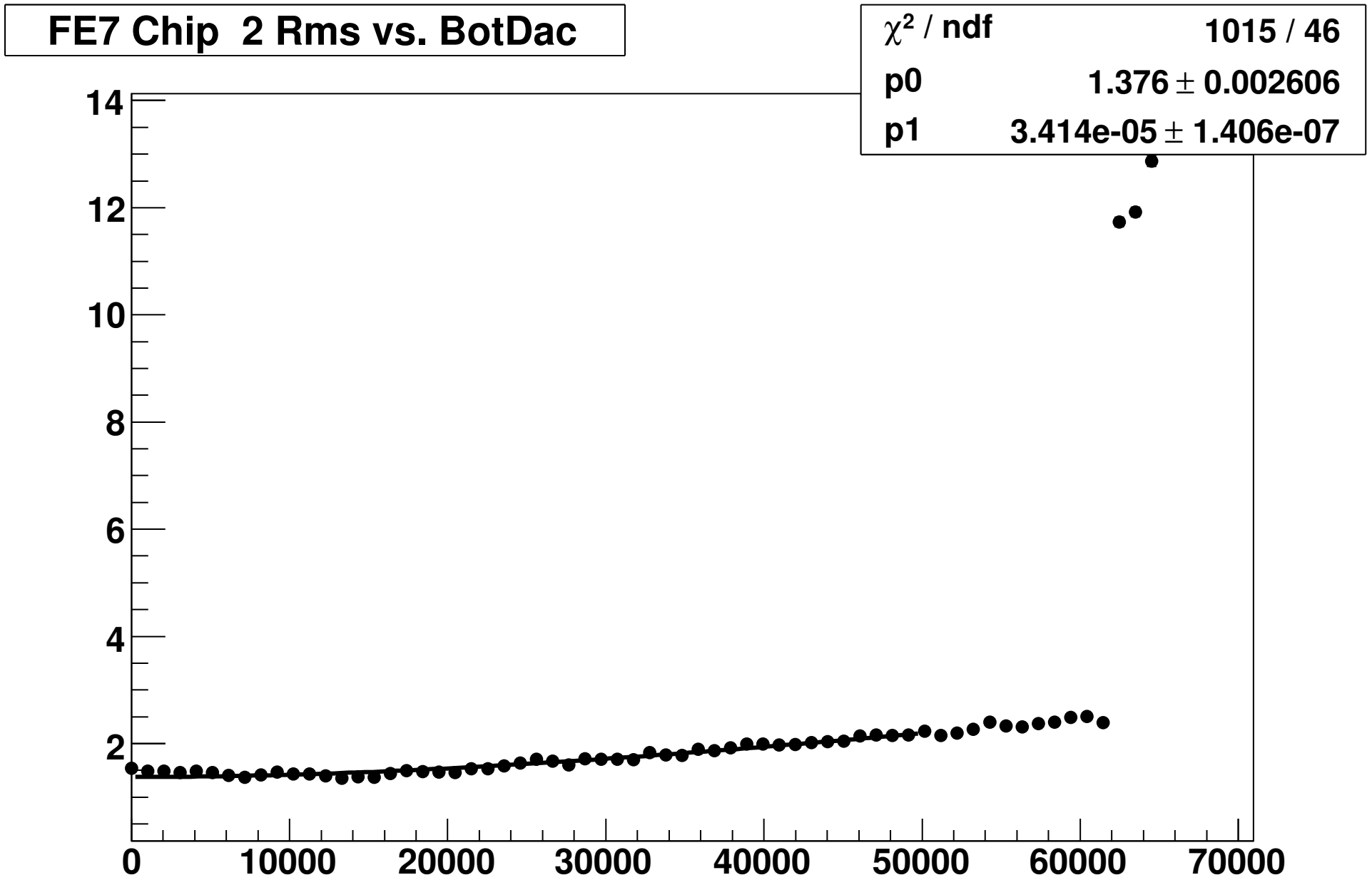
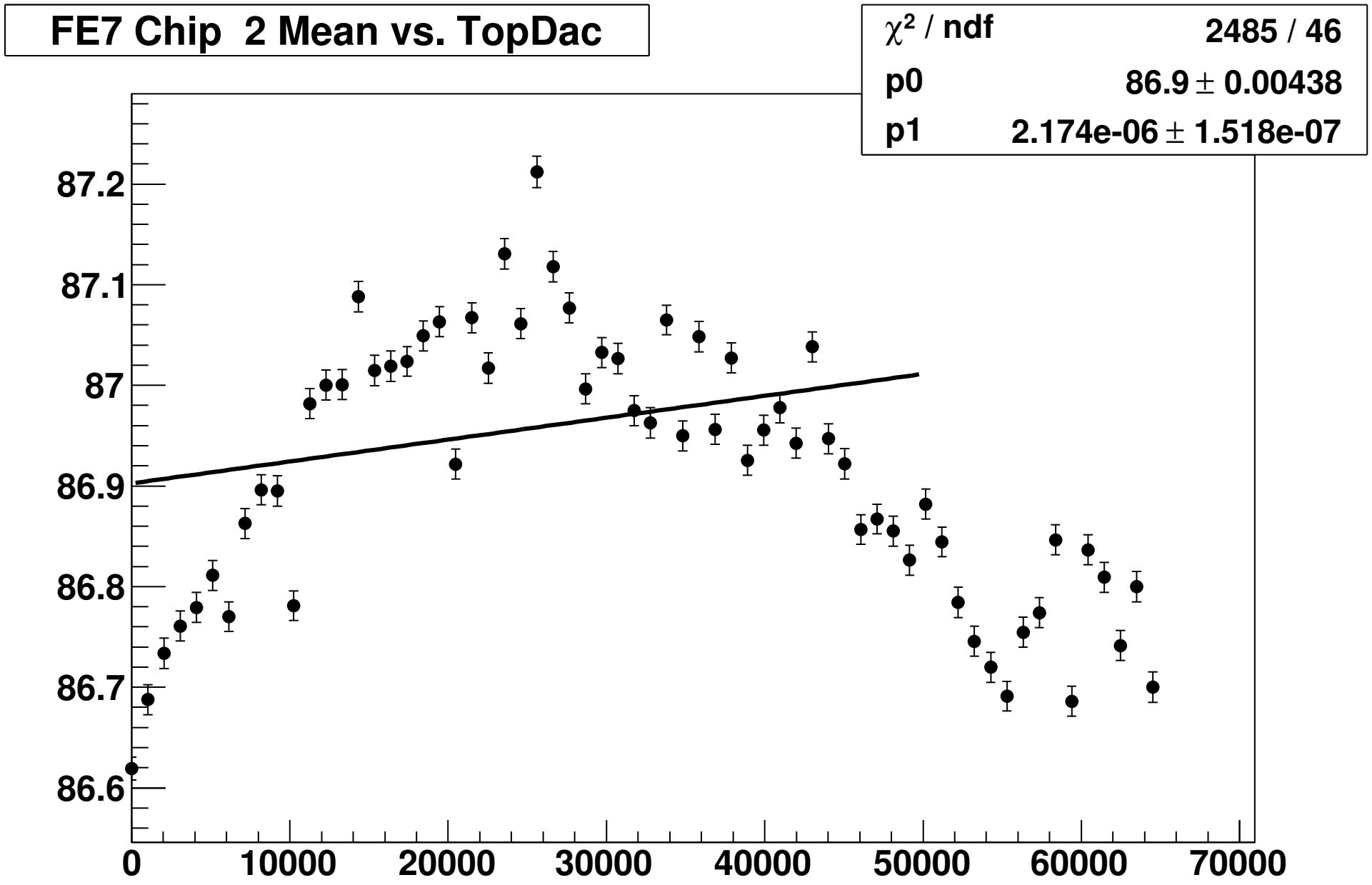
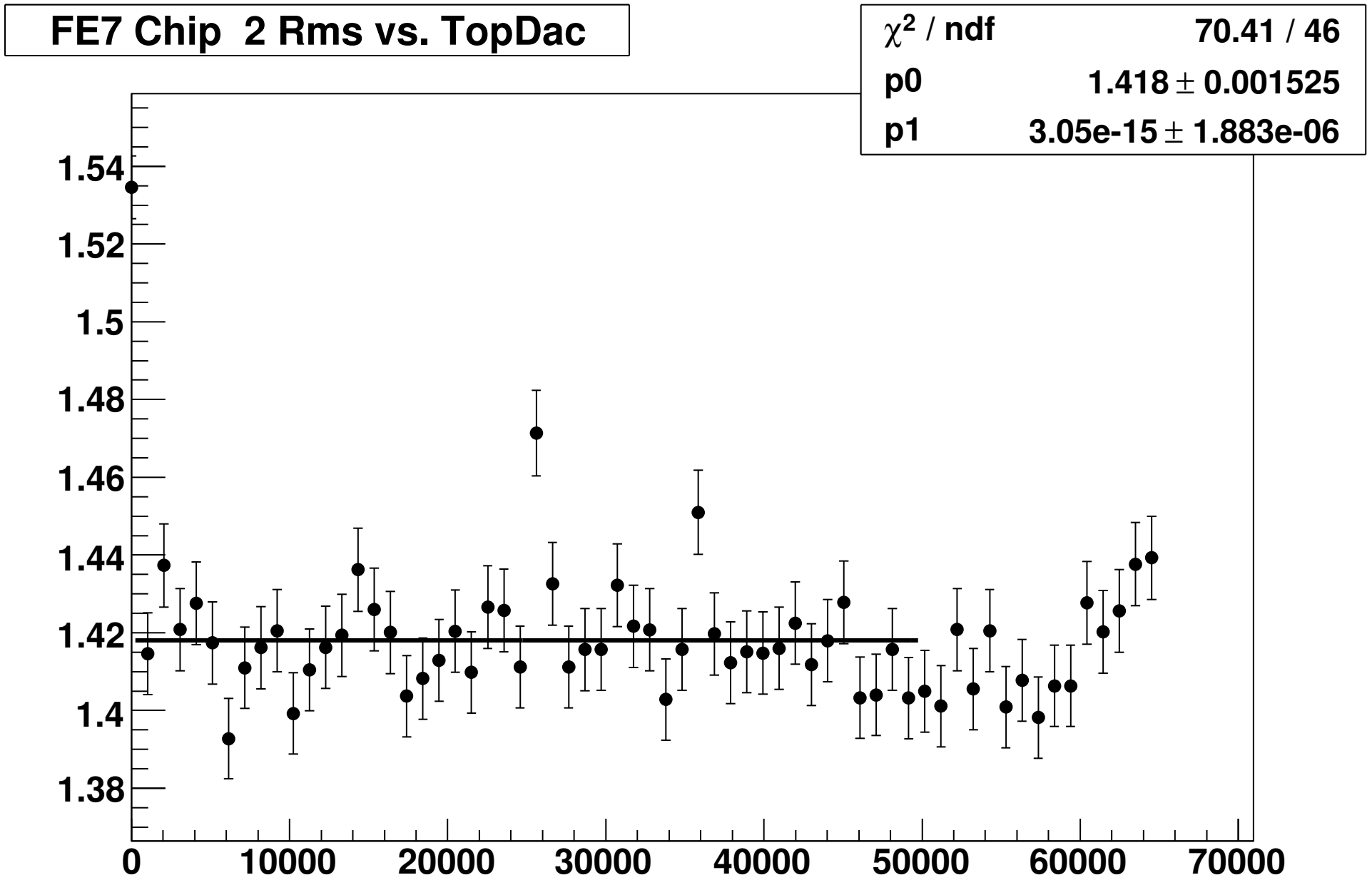
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1015 / 46
p0 1.376 ± 0.002606
p1 3.414e-05 ± 1.406e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 2485 / 46
p0 86.9 ± 0.00438
p1 2.174e-06 ± 1.518e-07
87.2
87.1
87
86.9
86.8
86.7
86.6
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 70.41 / 46
p0 1.418 ± 0.001525
p1 3.05e-15 ± 1.883e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
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20000
30000
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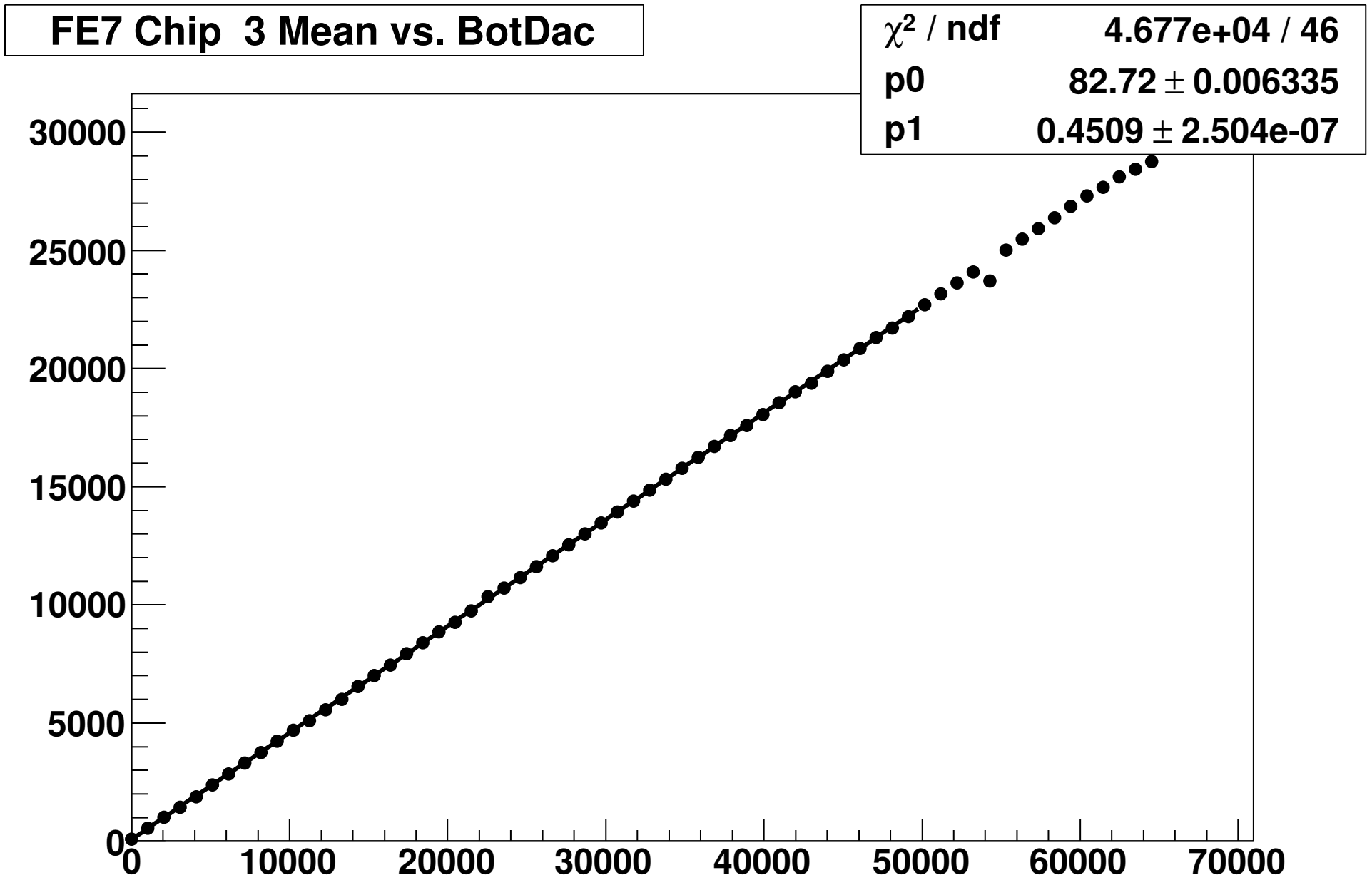
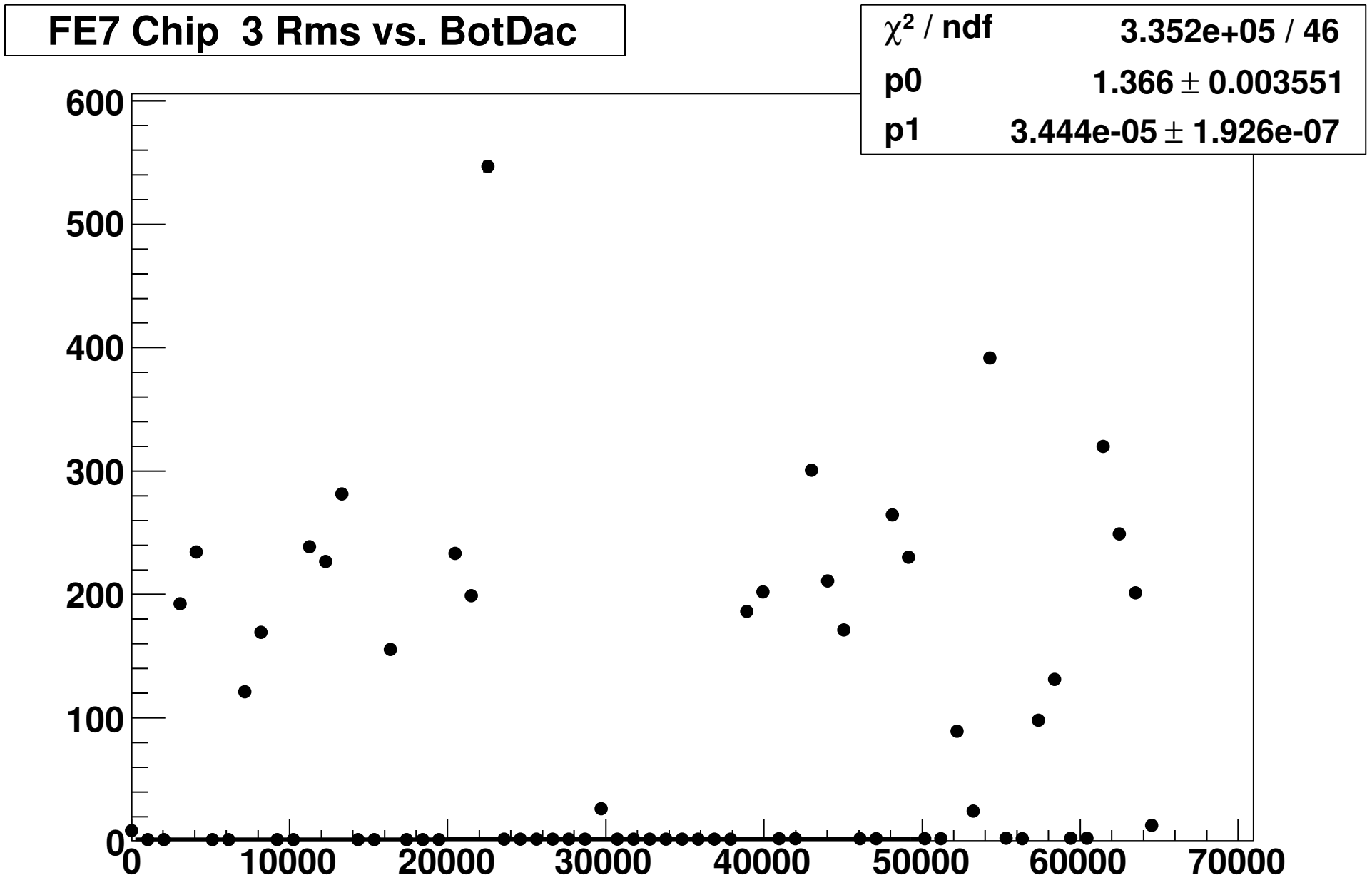
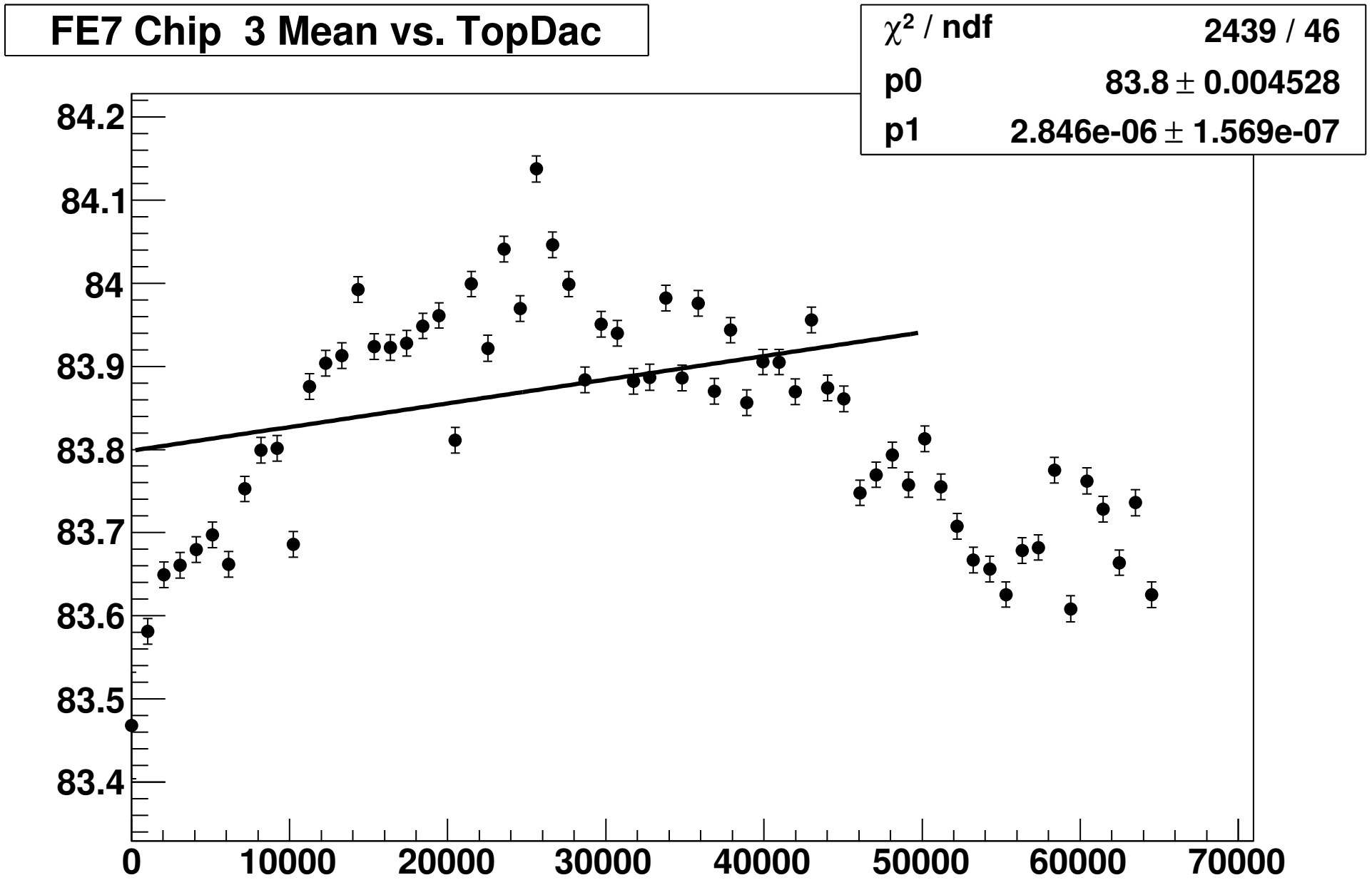
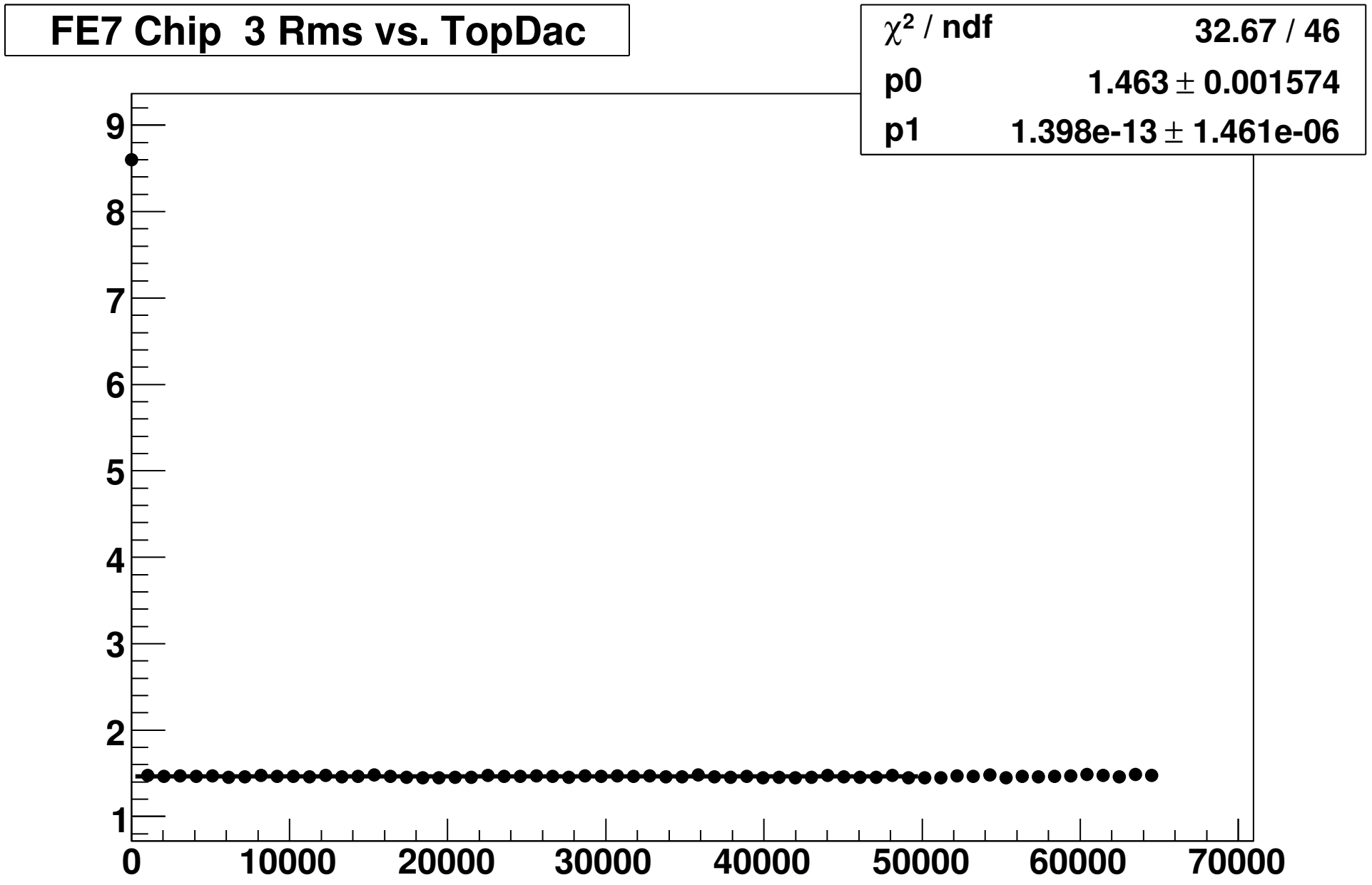

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.677e+04 / 46
p0 82.72 ± 0.006335
p1 0.4509 ± 2.504e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 3.352e+05 / 46
p0 1.366 ± 0.003551
p1 3.444e-05 ± 1.926e-07
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 2439 / 46
p0 83.8 ± 0.004528
p1 2.846e-06 ± 1.569e-07
84.2
84.1
84
83.9
83.8
83.7
83.6
83.5
83.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 32.67 / 46
p0 1.463 ± 0.001574
p1 1.398e-13 ± 1.461e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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50000
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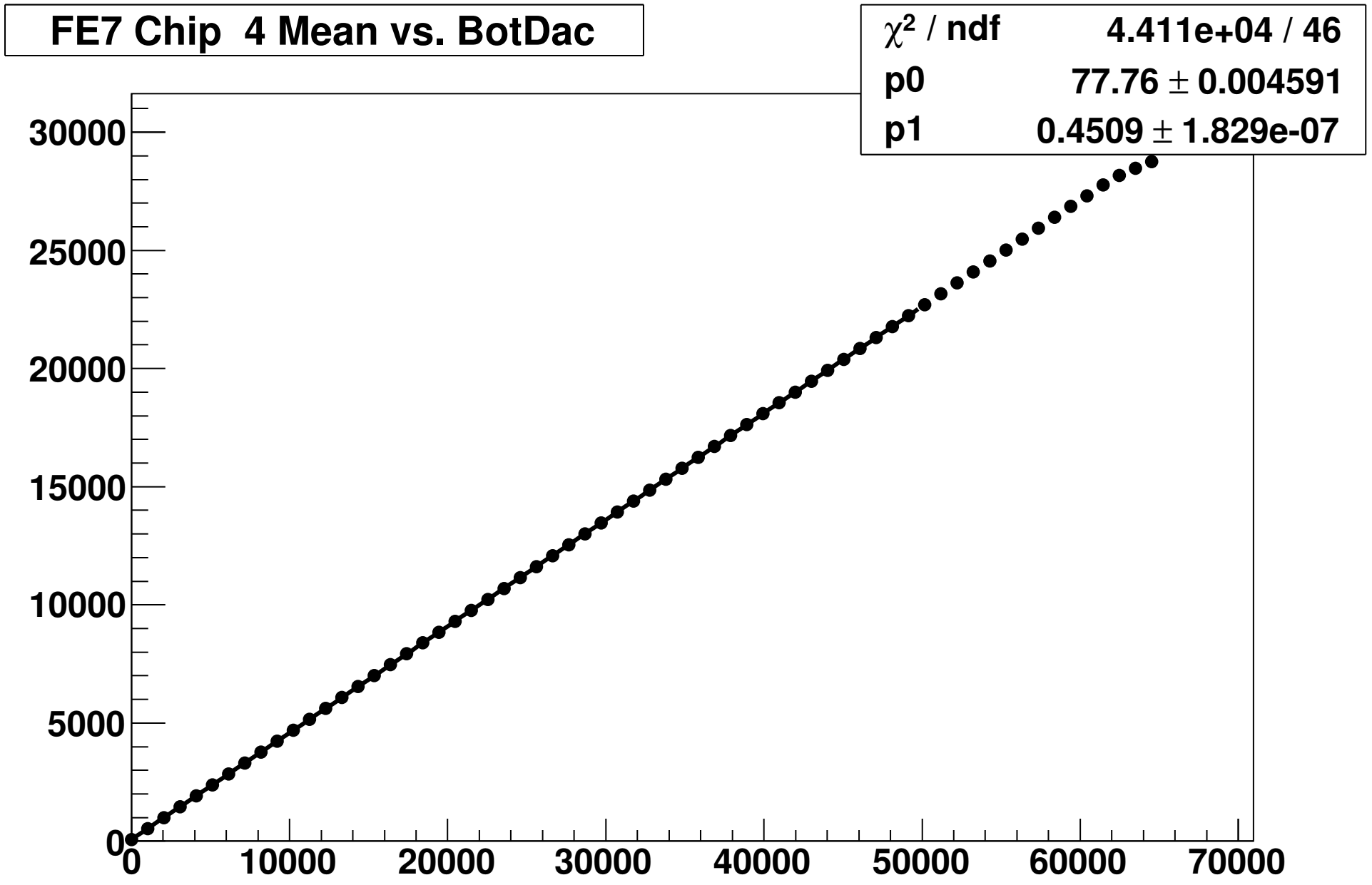
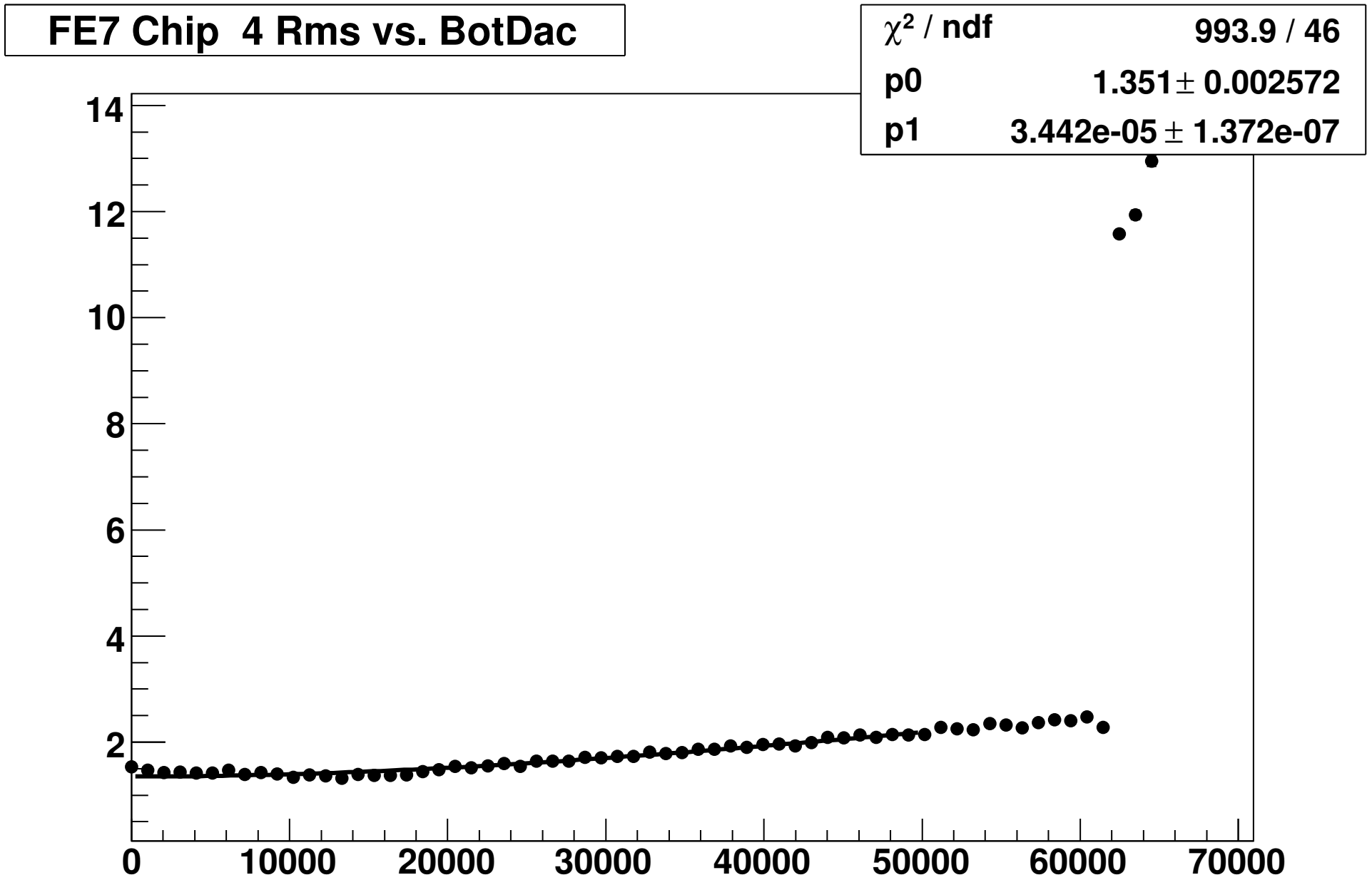
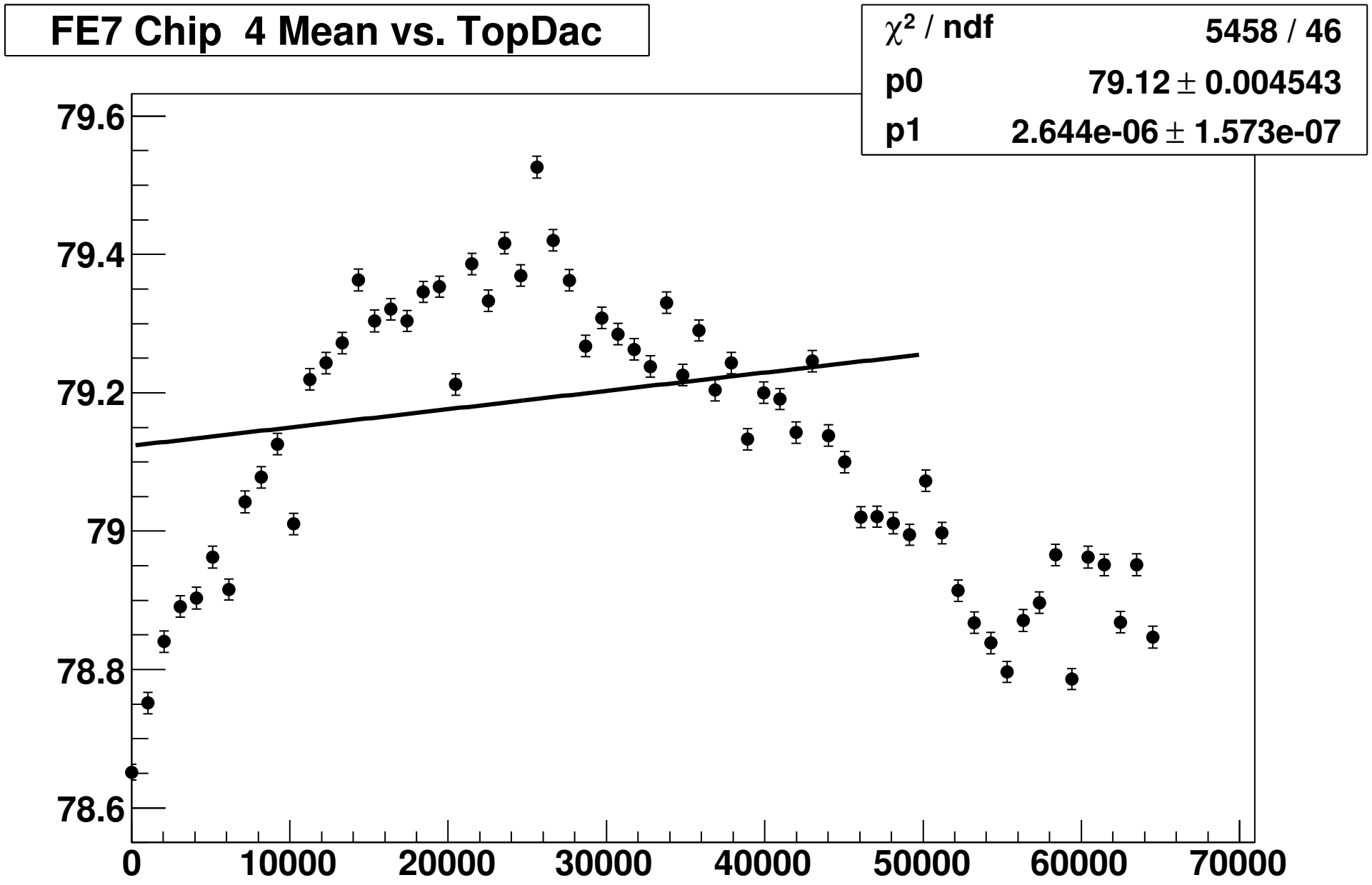
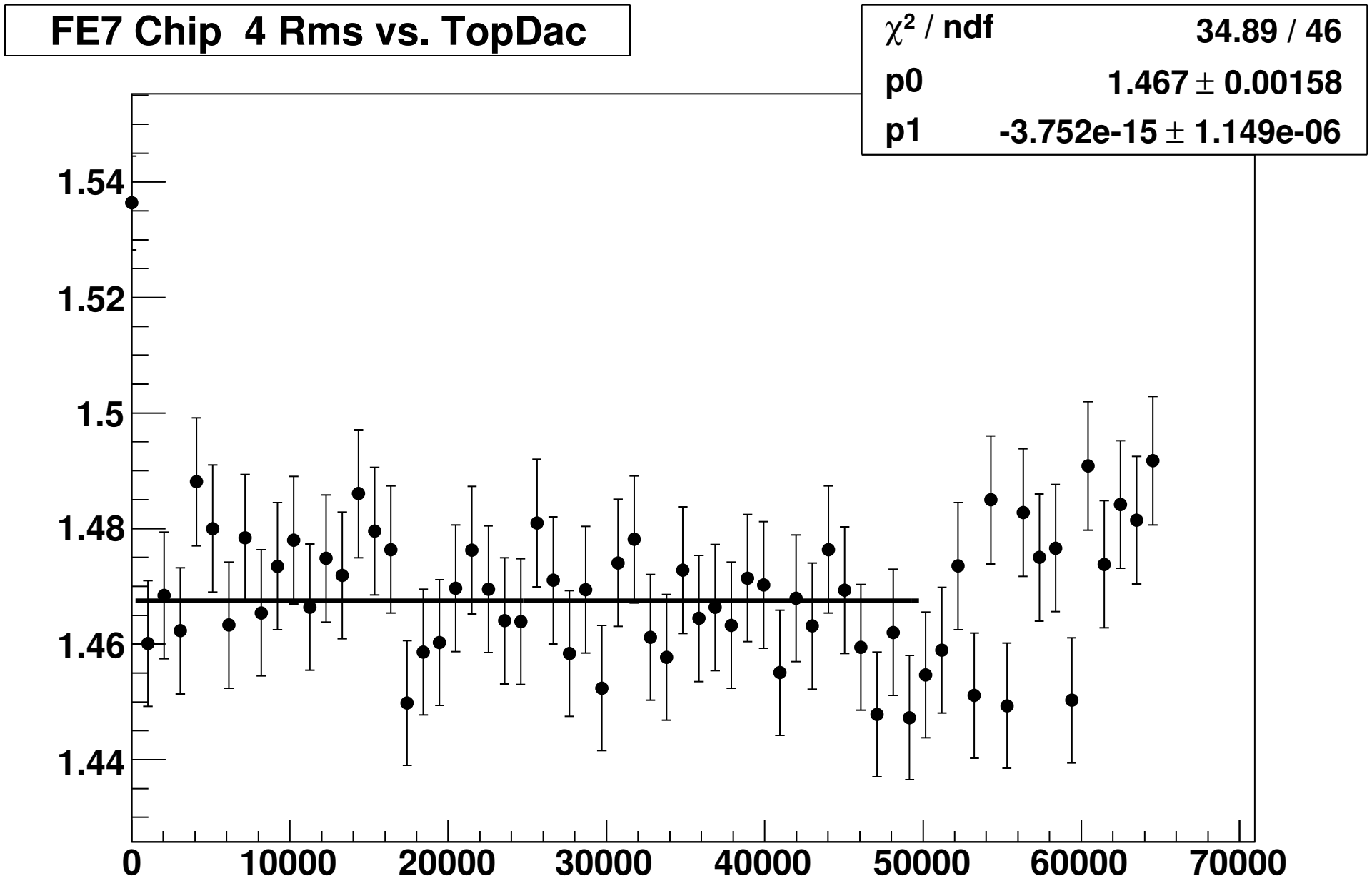
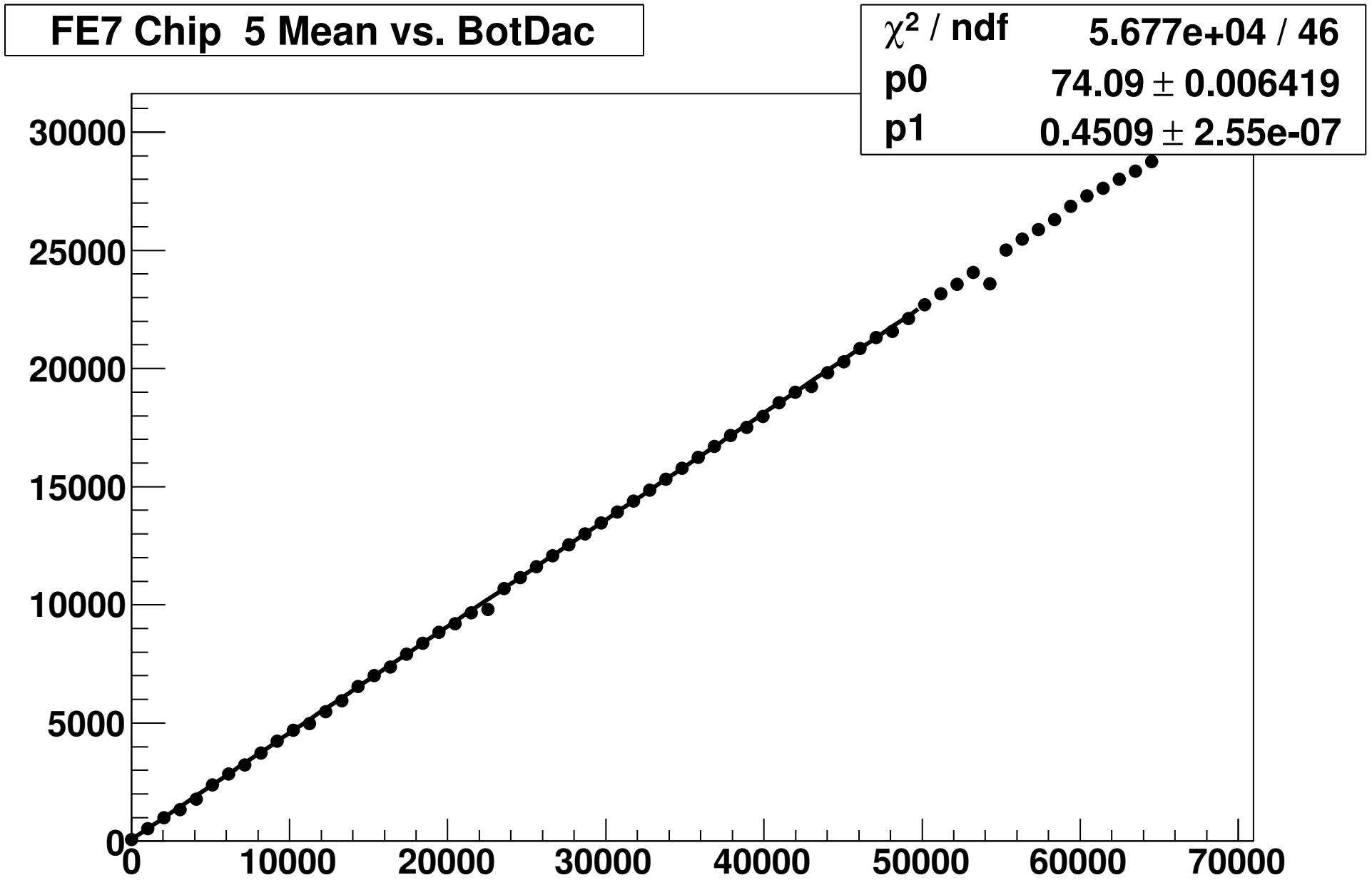
70000

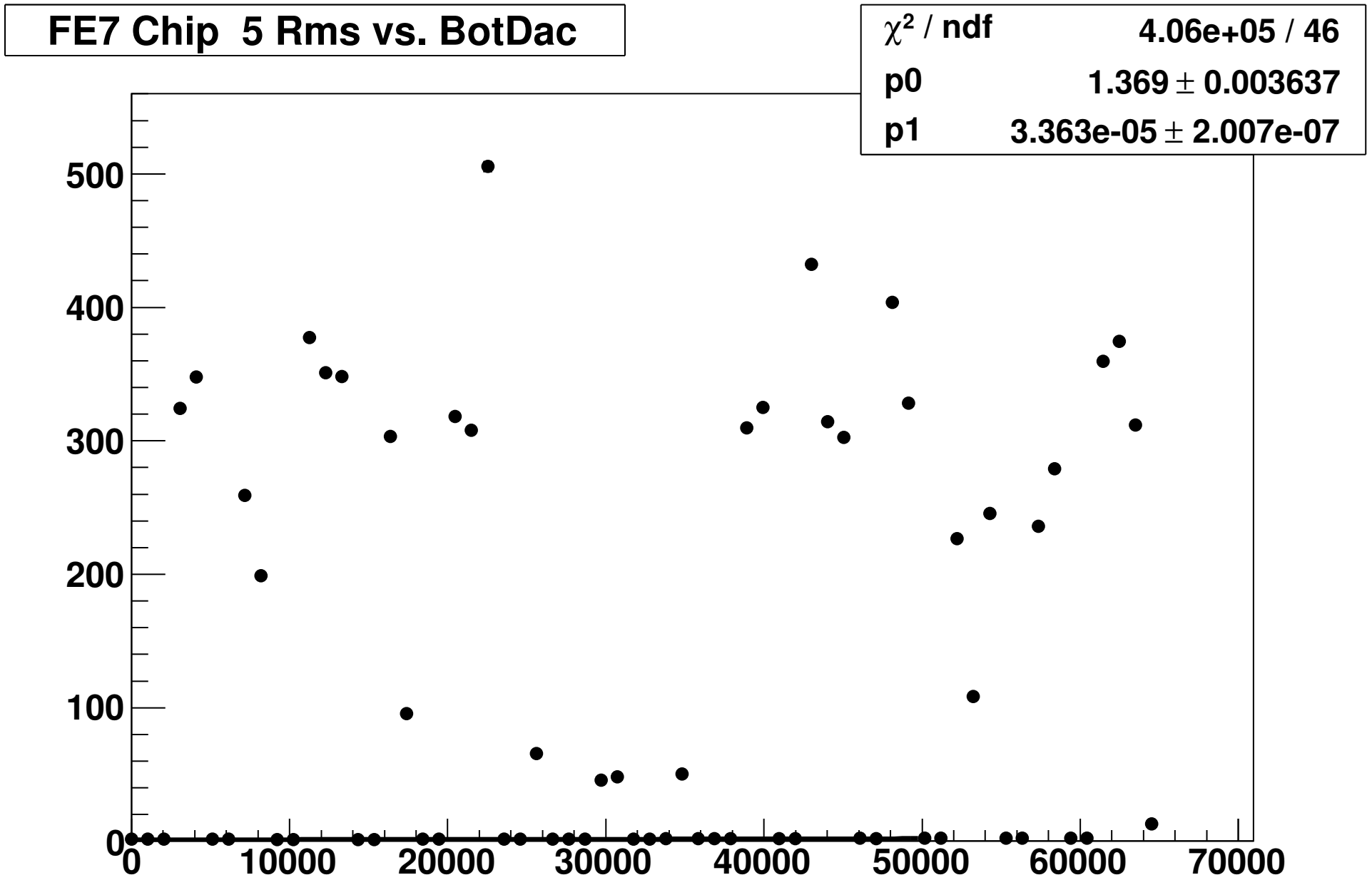

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 4.411e+04 / 46
p0 77.76 ± 0.004591
p1 0.4509 ± 1.829e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

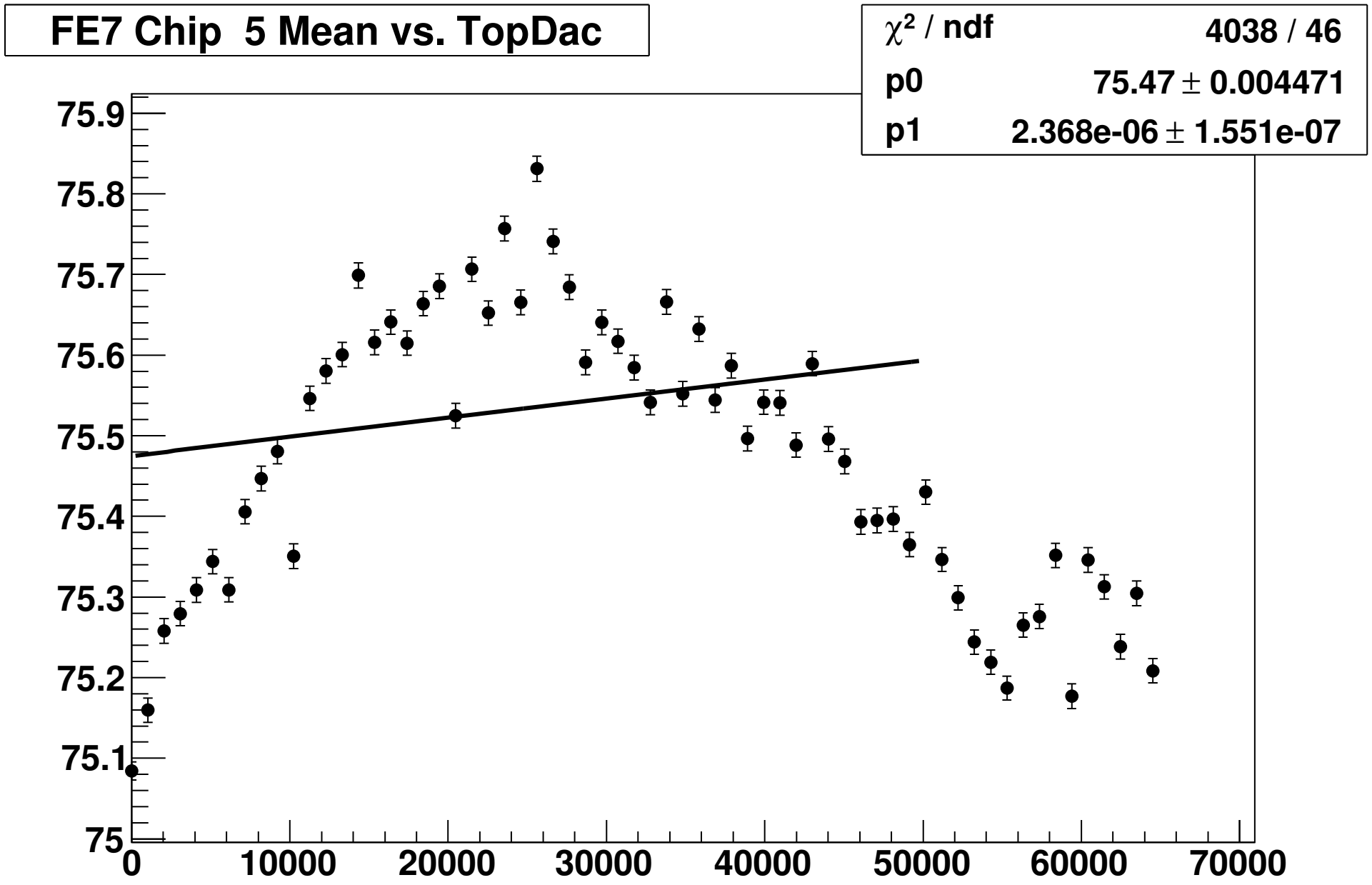

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 993.9 / 46
p0 1.351 ± 0.002572
p1 3.442e-05 ± 1.372e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

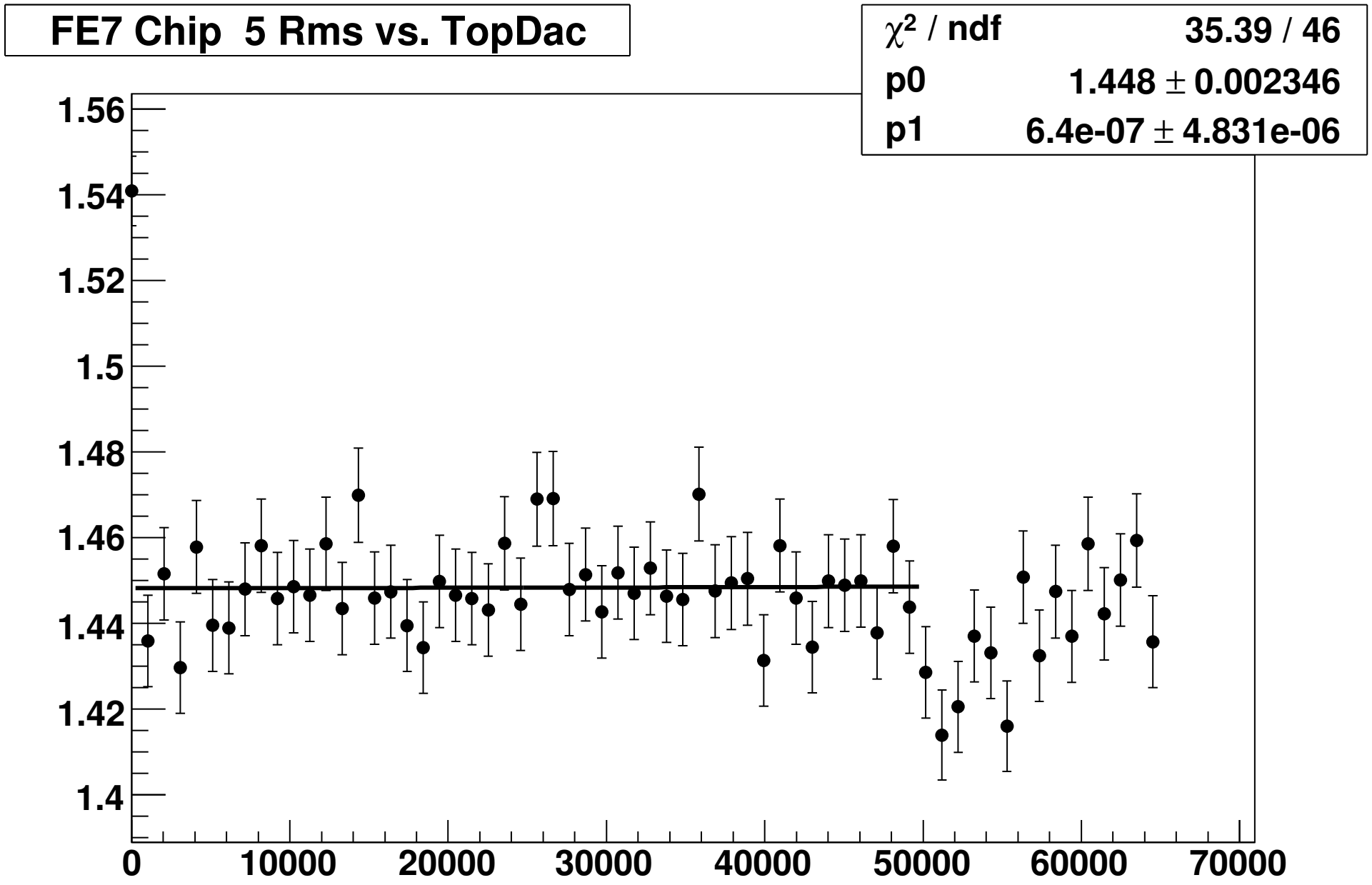

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 5458 / 46
p0 79.12 ± 0.004543
p1 2.644e-06 ± 1.573e-07
79.6
79.4
79.2
79
78.8
78.6
0
10000
20000
30000
40000
50000
60000
70000

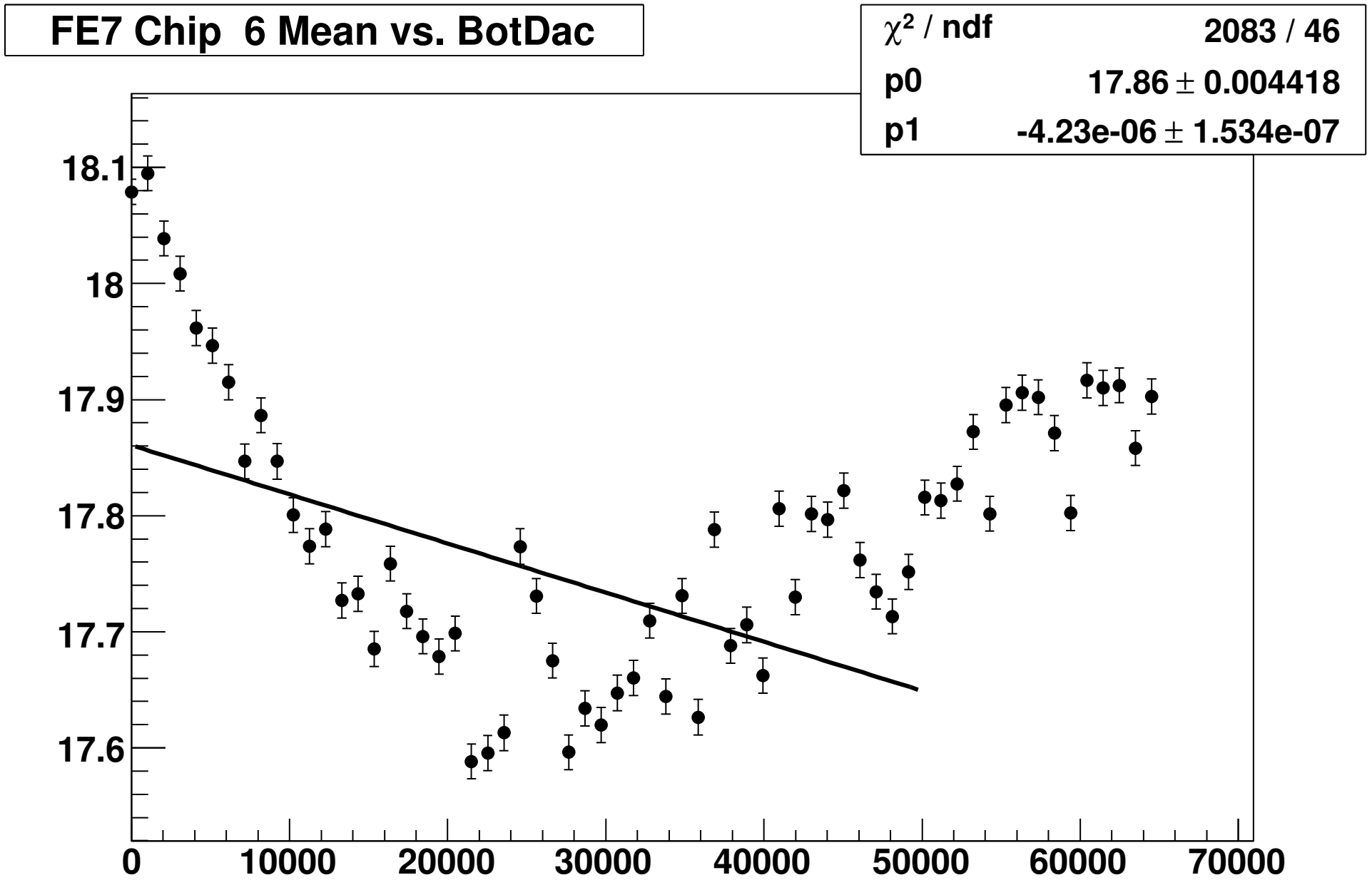

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 34.89 / 46
p0 1.467 ± 0.00158
p1 -3.752e-15 ± 1.149e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

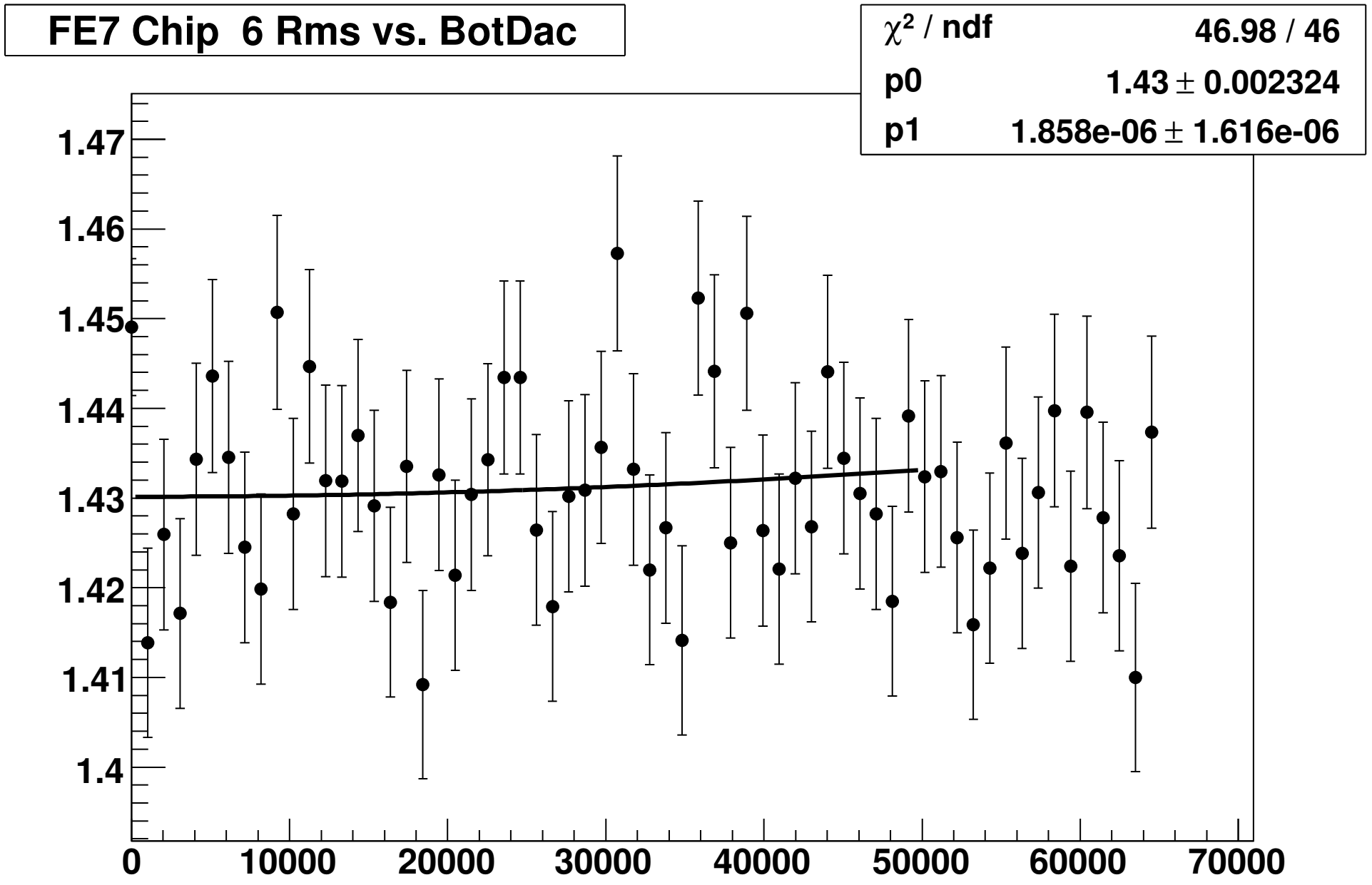

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 5.677e+04 / 46
p0 74.09 ± 0.006419
p1 0.4509 ± 2.55e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

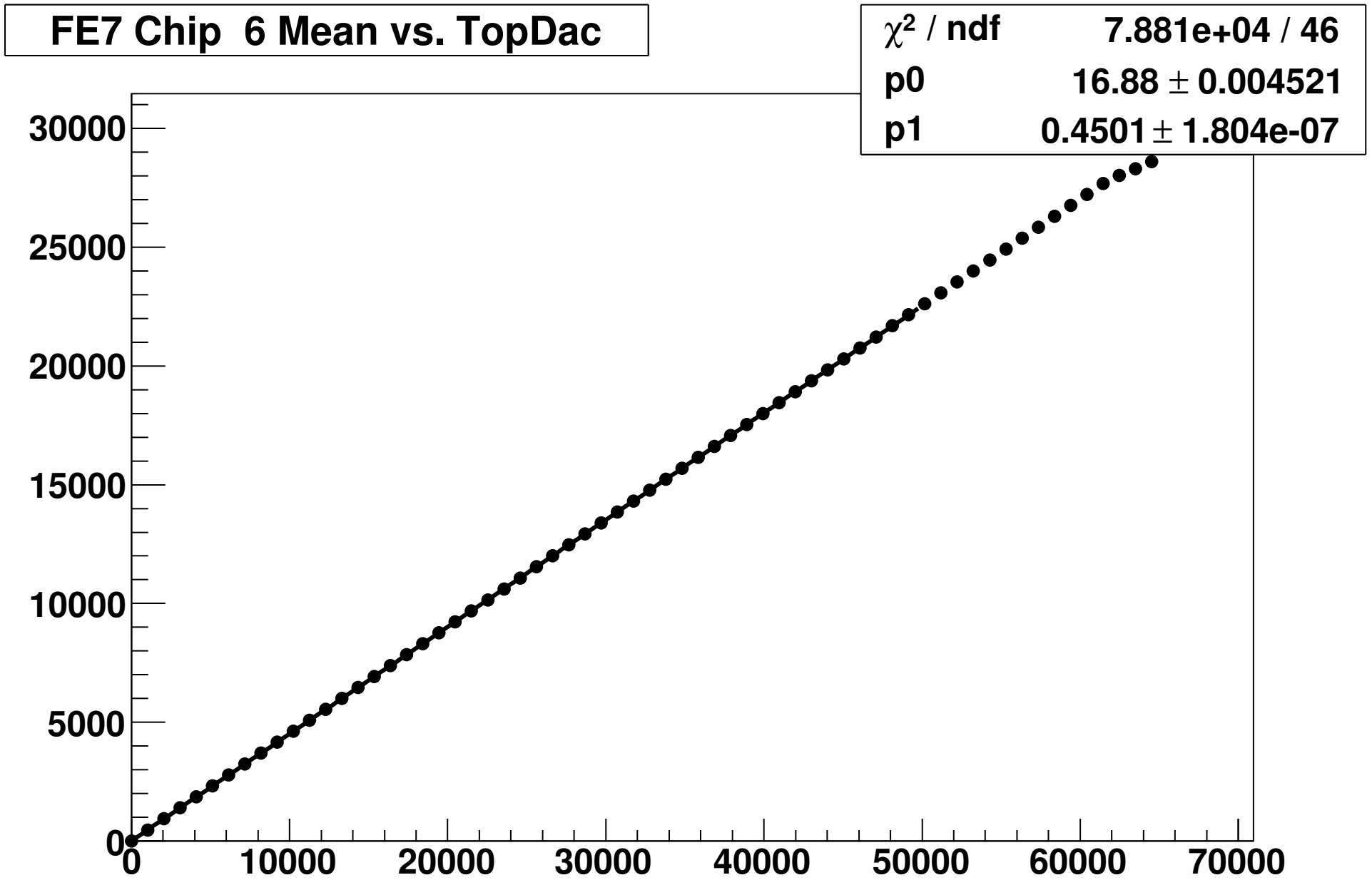

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 4.06e+05 / 46
p0 1.369 ± 0.003637
p1 3.363e-05 ± 2.007e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

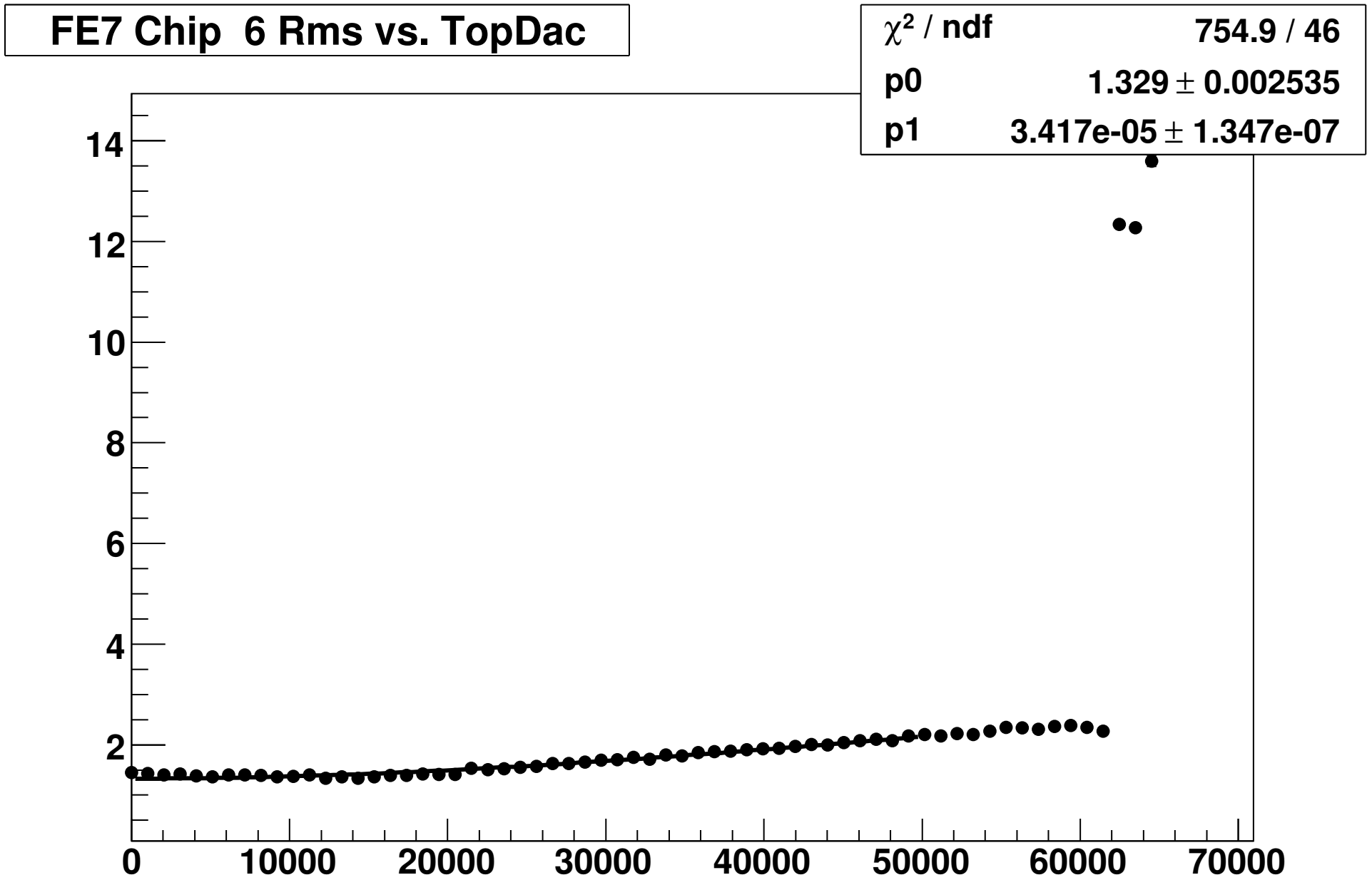

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 4038 / 46
p0 75.47 ± 0.004471
p1 2.368e-06 ± 1.551e-07
75.9
75.8
75.7
75.6
75.5
75.4
75.3
75.2
75.1
75
0
10000
20000
30000
40000
50000
60000
70000

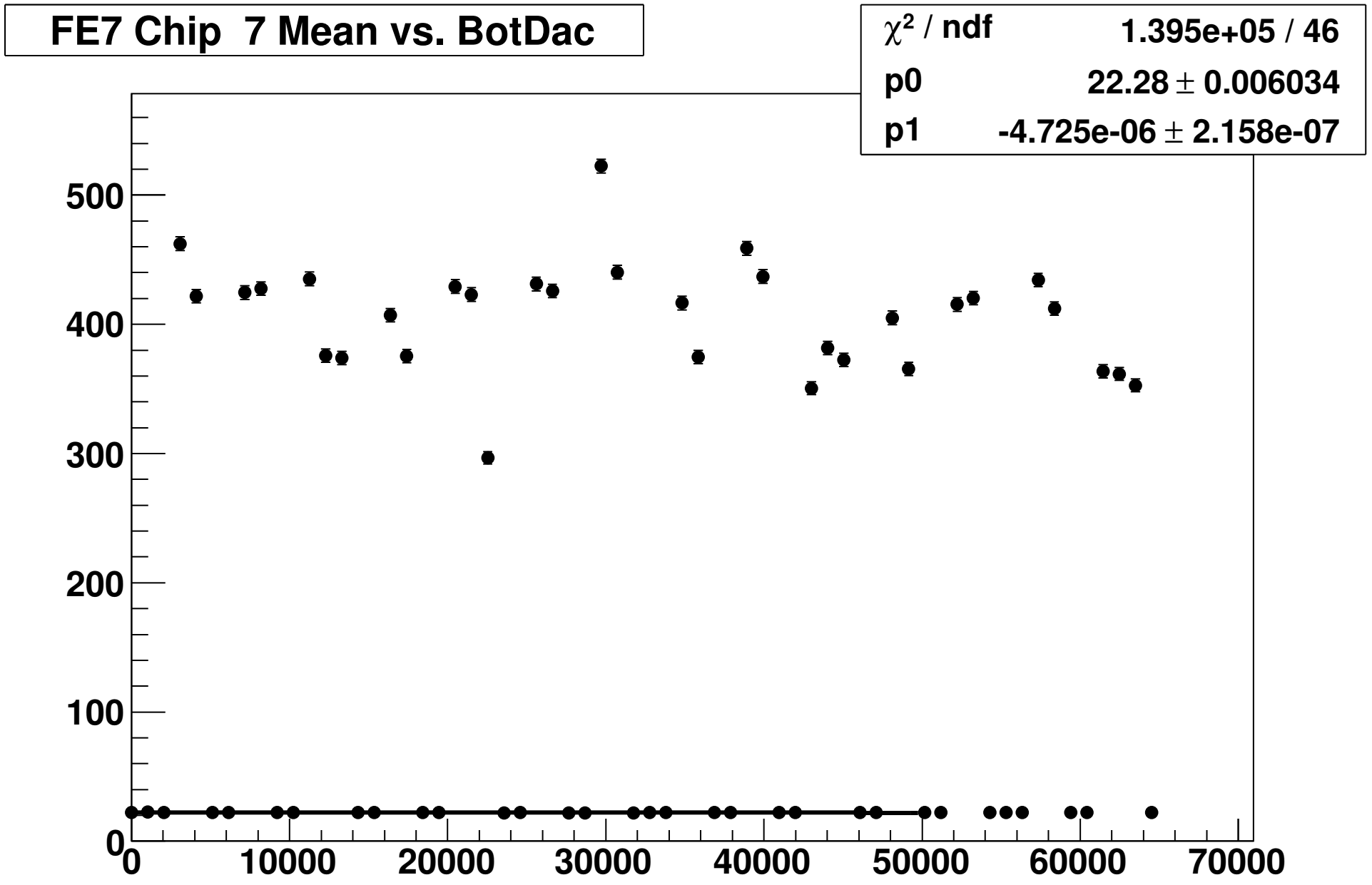

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 35.39 / 46
p0 1.448 ± 0.002346
p1 6.4e-07 ± 4.831e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

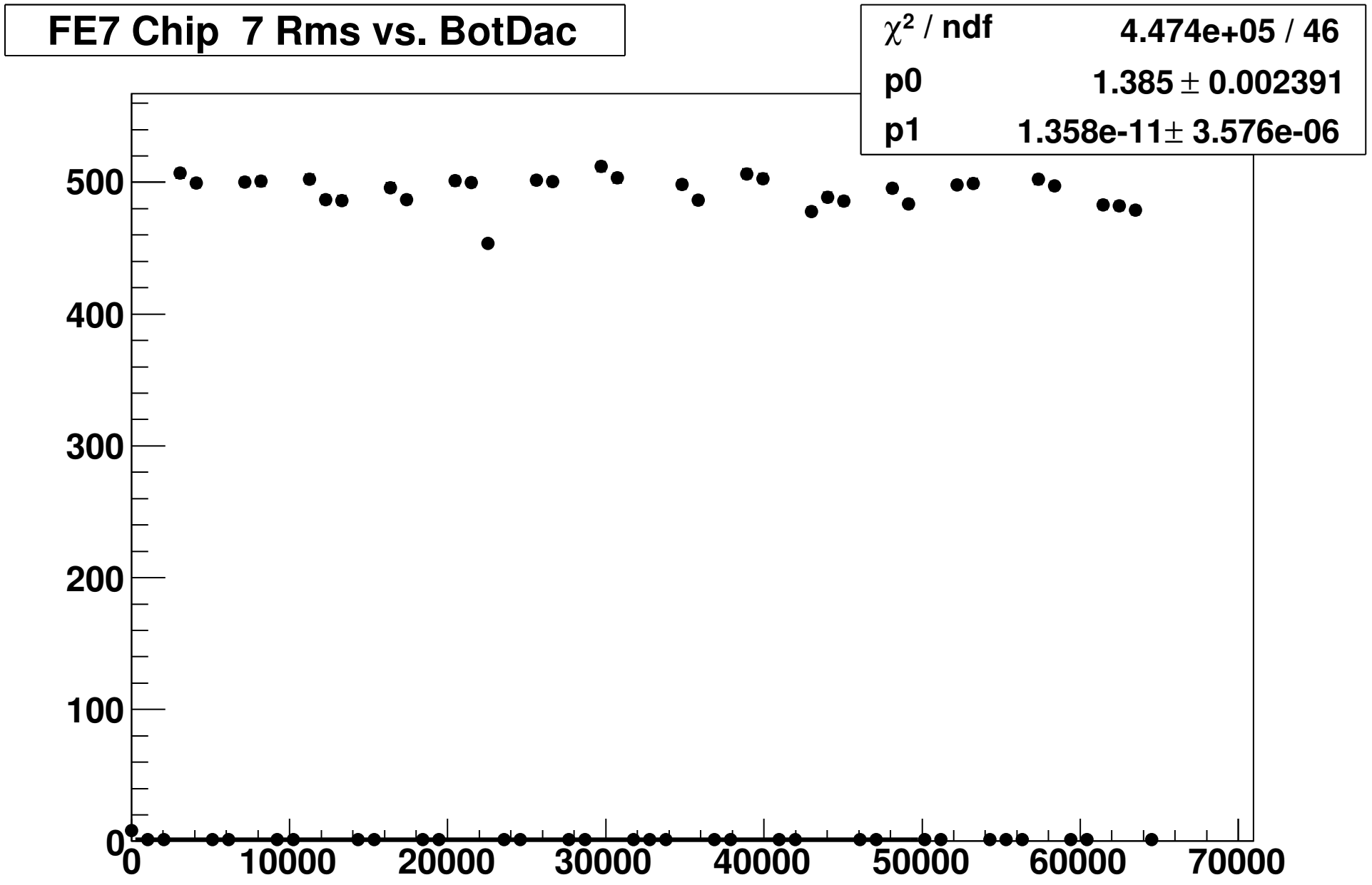

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 2083 / 46
p0 17.86 ± 0.004418
p1 -4.23e-06 ± 1.534e-07
18.1
18
17.9
17.8
17.7
17.6
0
10000
20000
30000
40000
50000
60000
70000

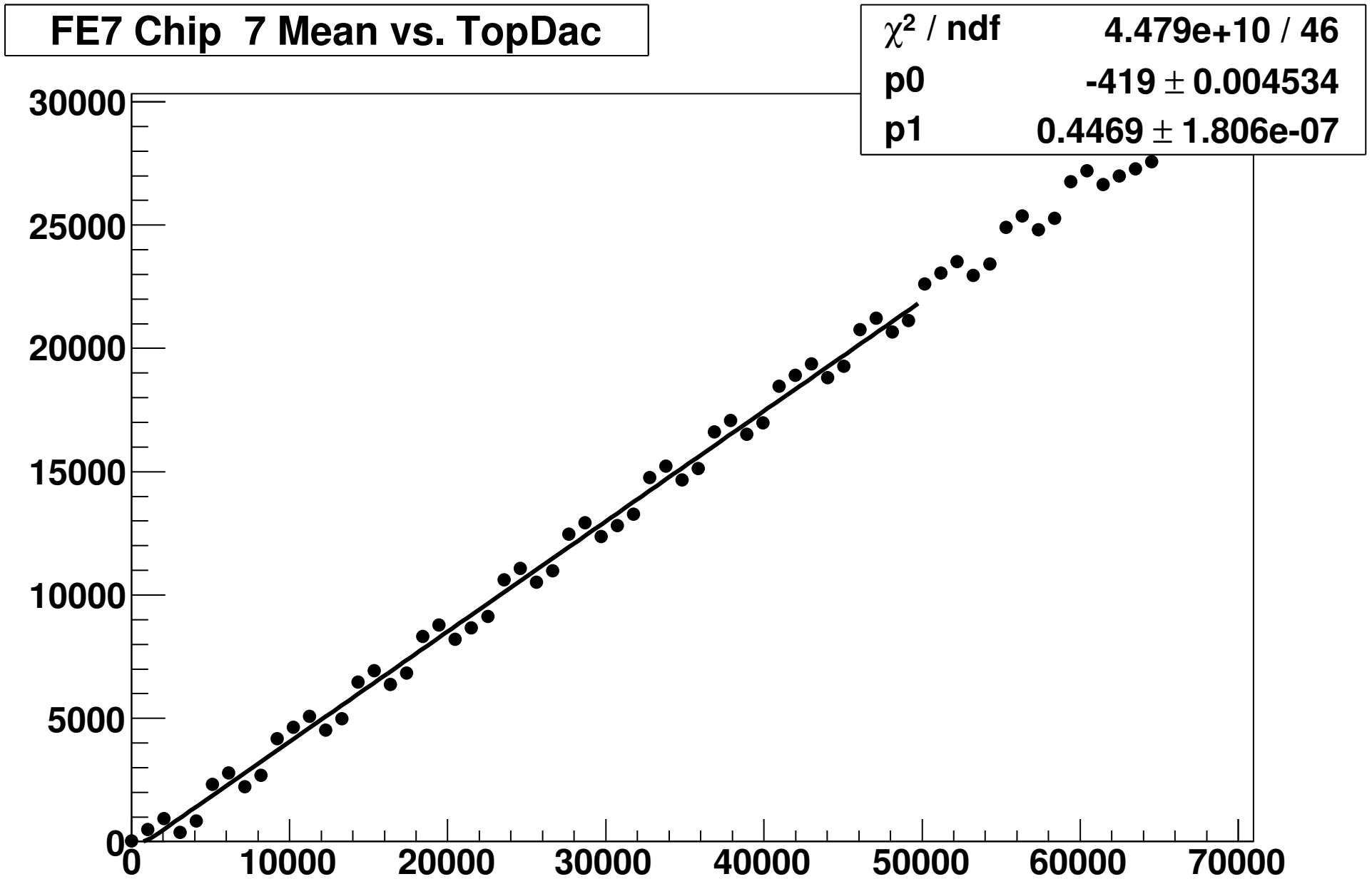

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 46.98 / 46
p0 1.43 ± 0.002324
p1 1.858e-06 ± 1.616e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

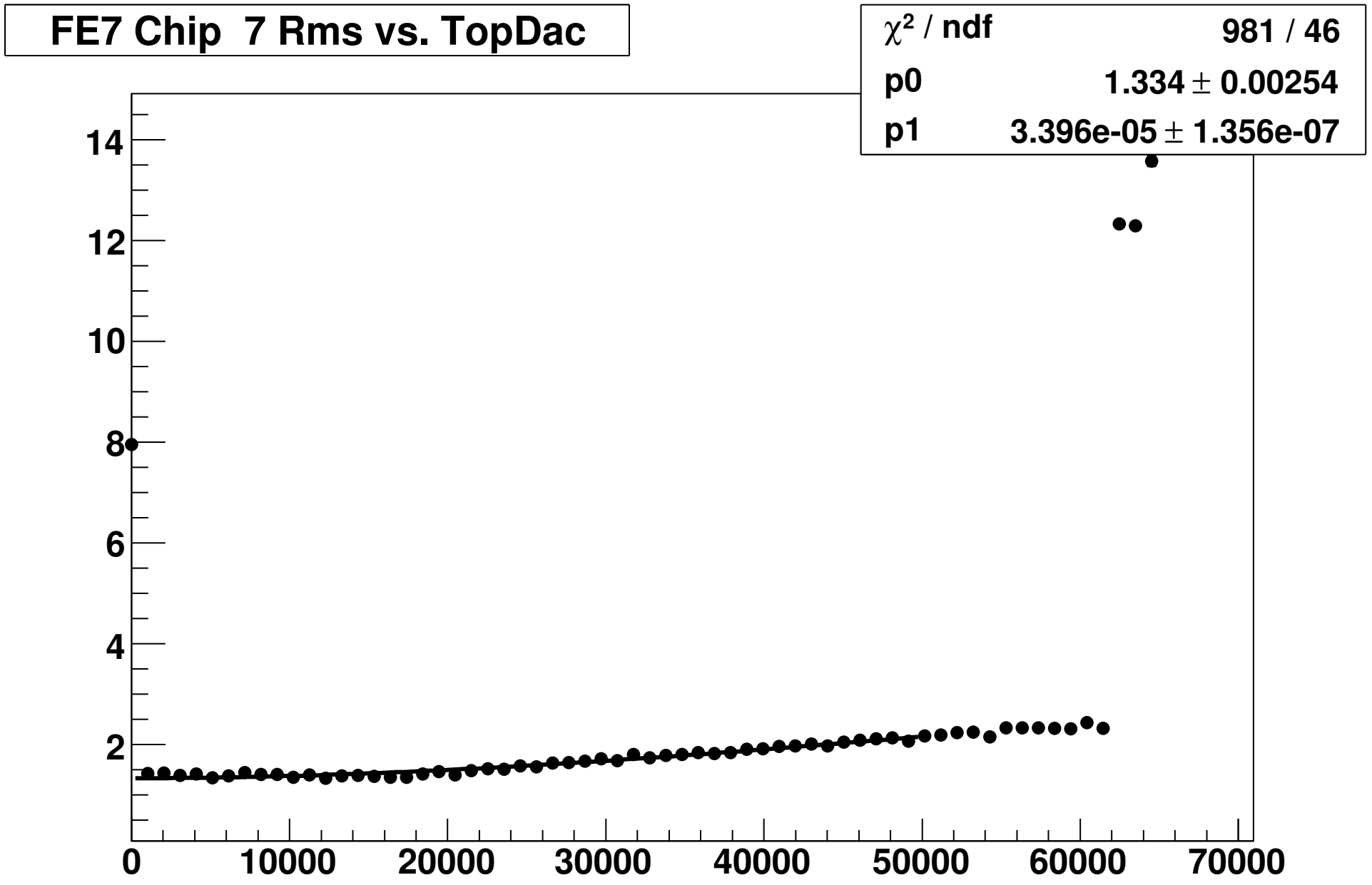

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 7.881e+04 / 46
p0 16.88 ± 0.004521
p1 0.4501 ± 1.804e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

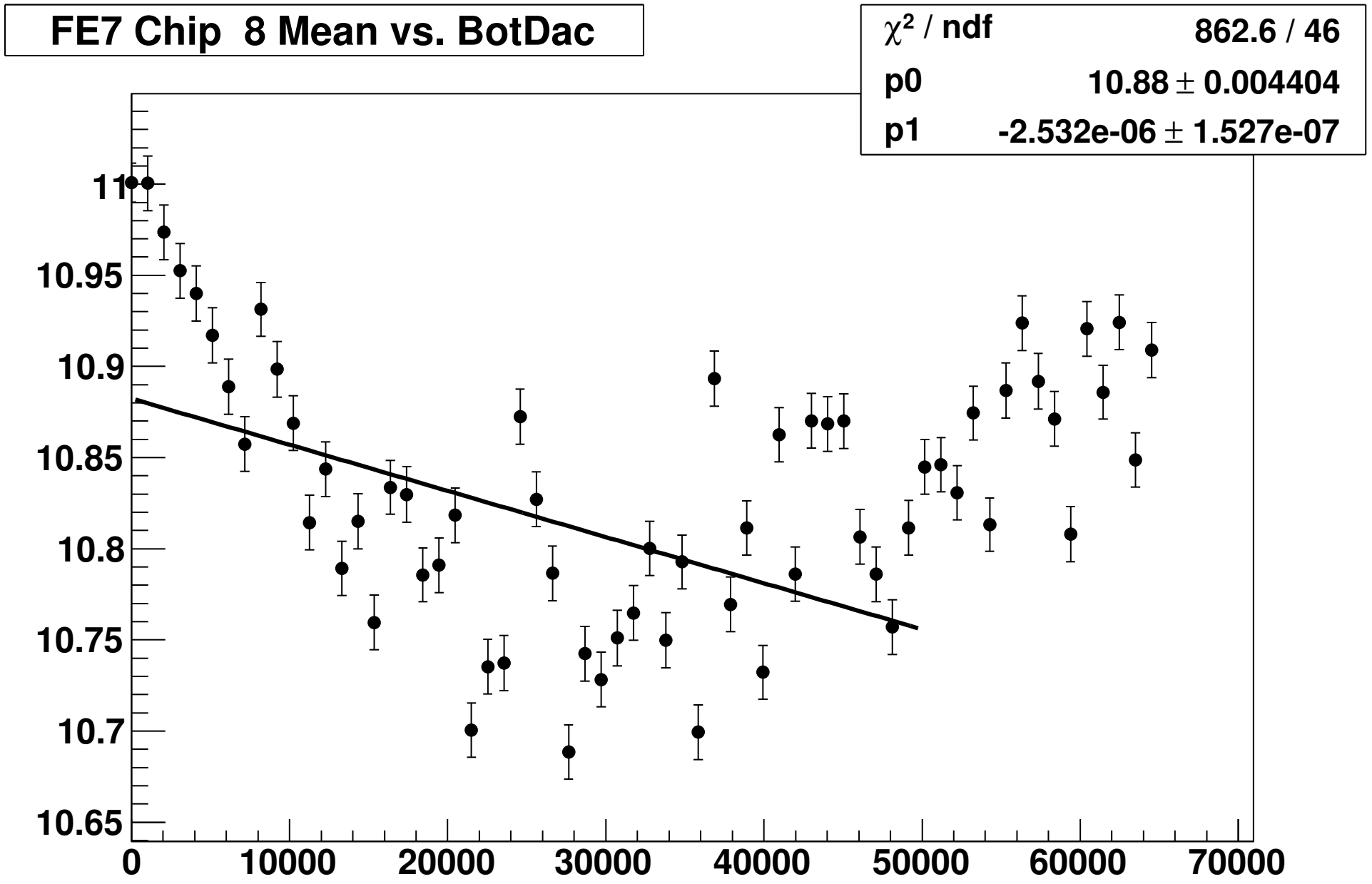

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 754.9 / 46
p0 1.329 ± 0.002535
p1 3.417e-05 ± 1.347e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

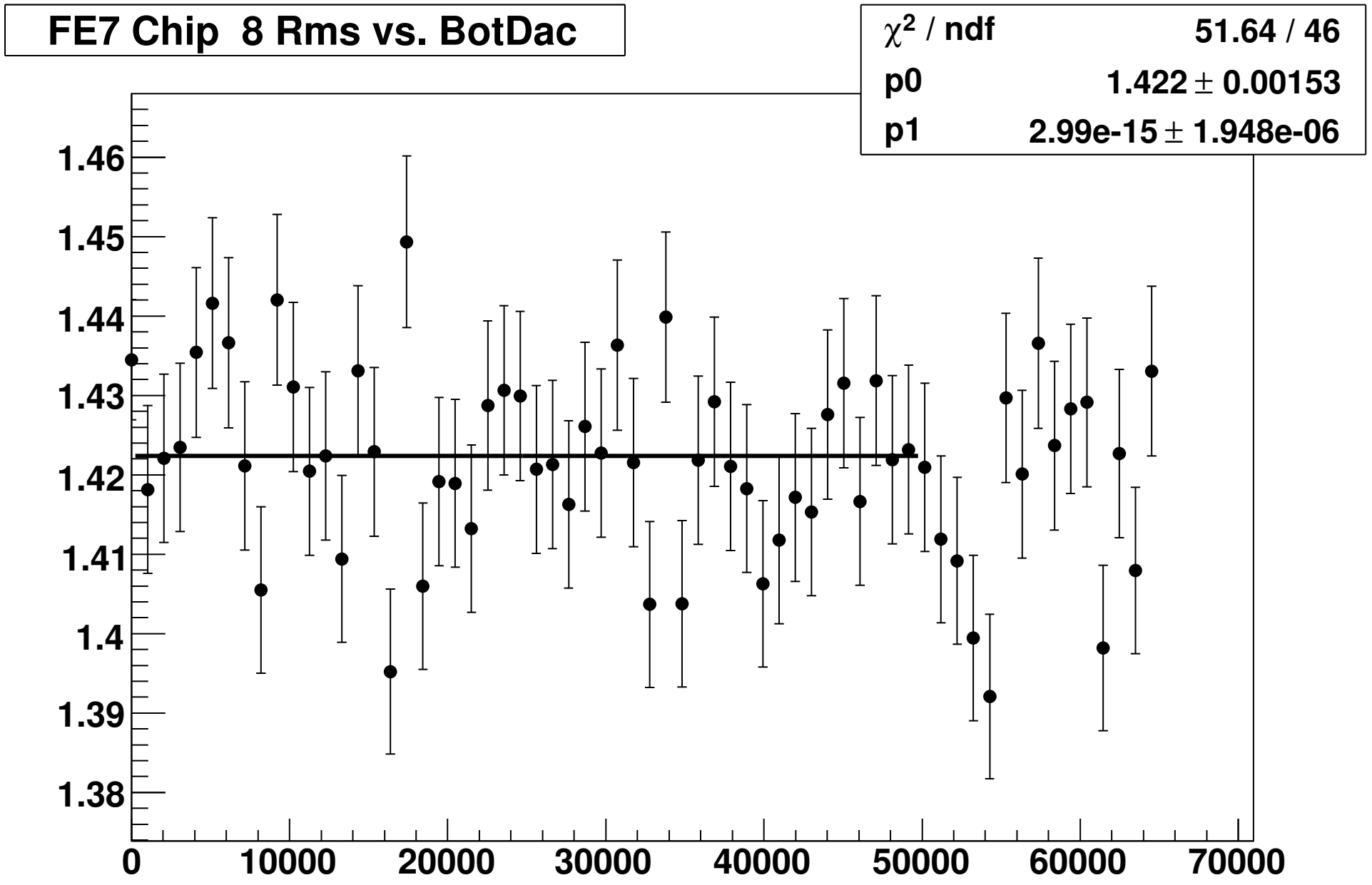

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 1.395e+05 / 46
p0 22.28 ± 0.006034
p1 -4.725e-06 ± 2.158e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

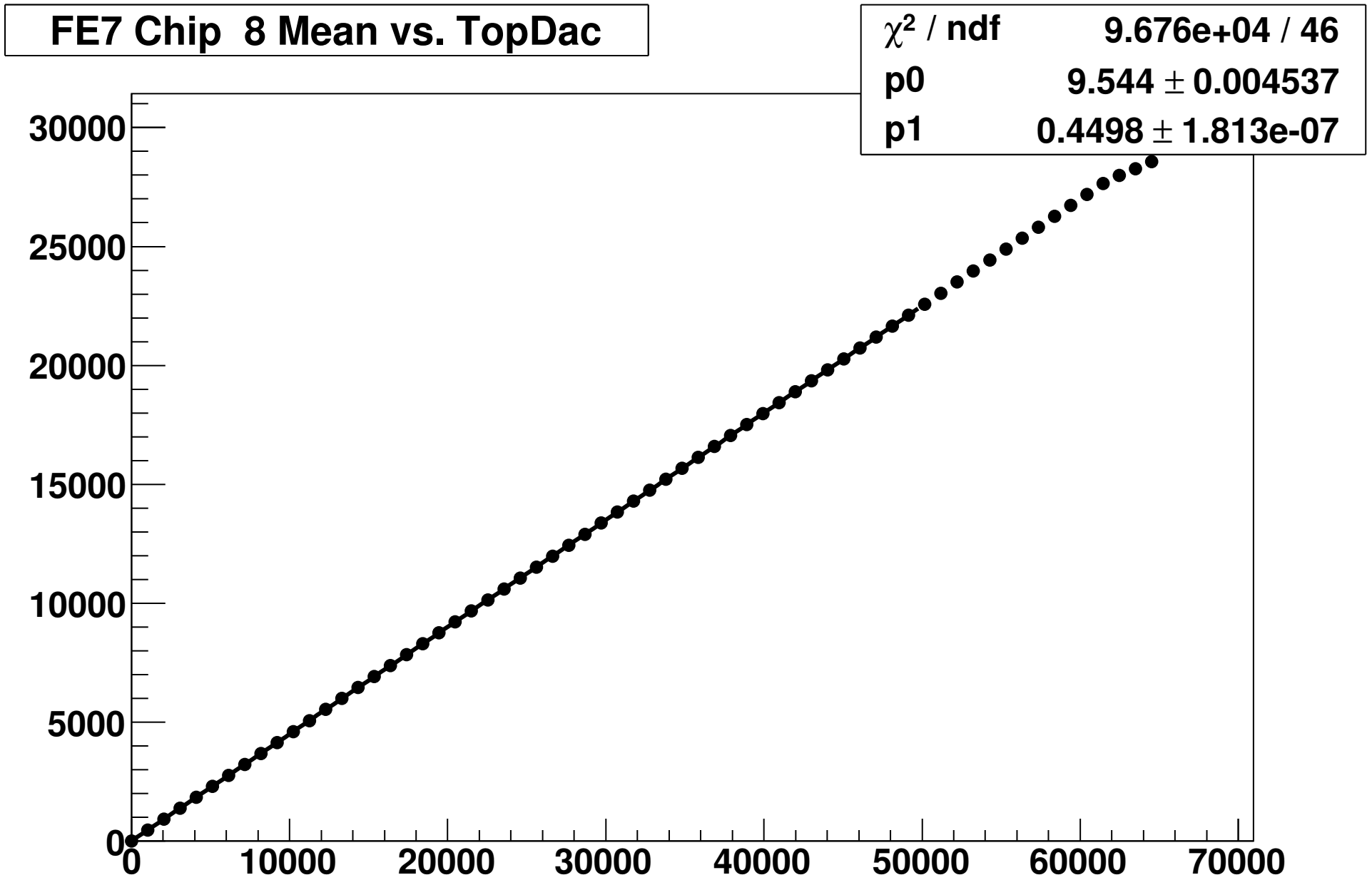

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 4.474e+05 / 46
p0 1.385 ± 0.002391
p1 1.358e-11 ± 3.576e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

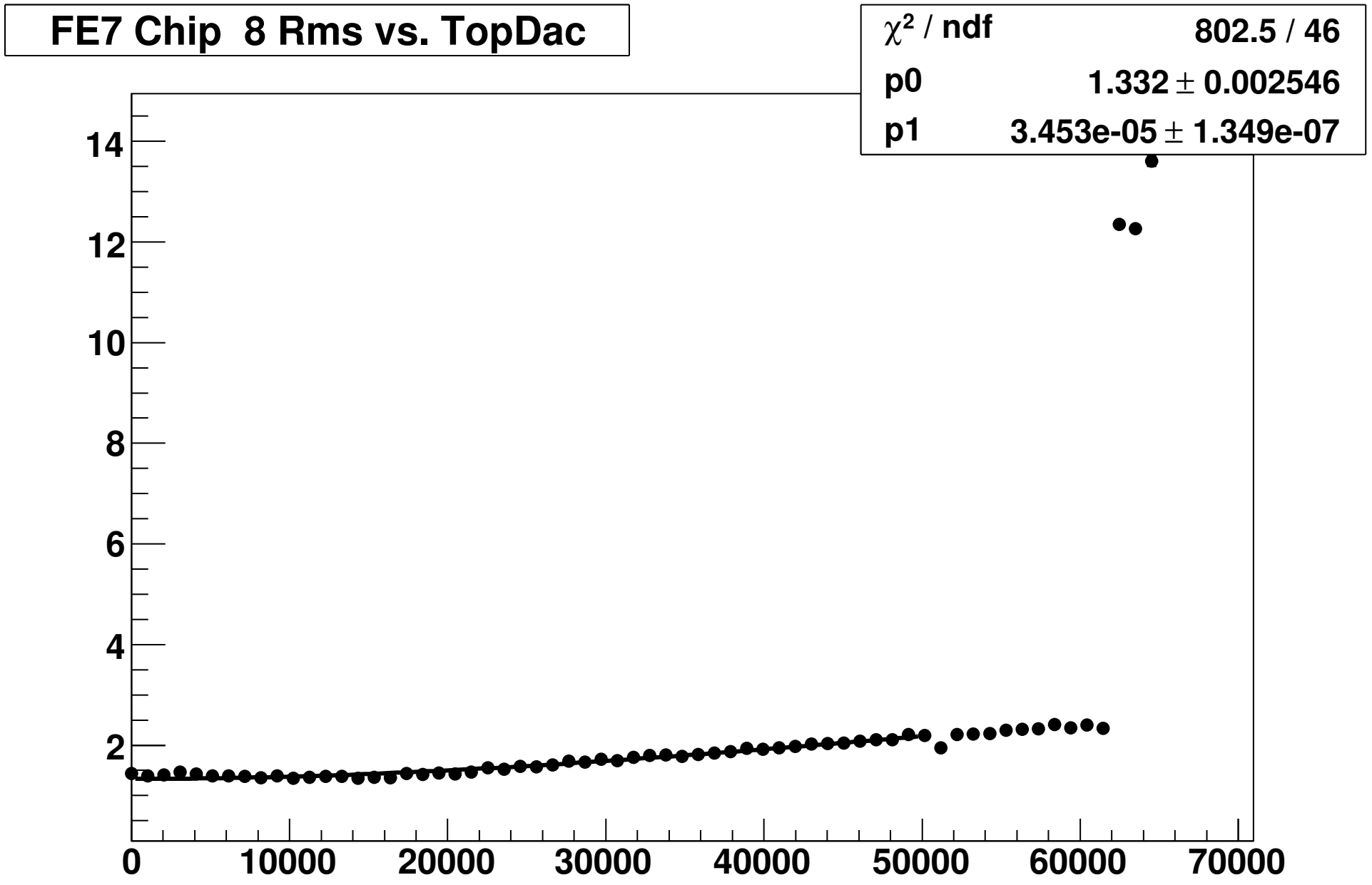

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 4.479e+10 / 46
p0 -419 ± 0.004534
p1 0.4469 ± 1.806e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

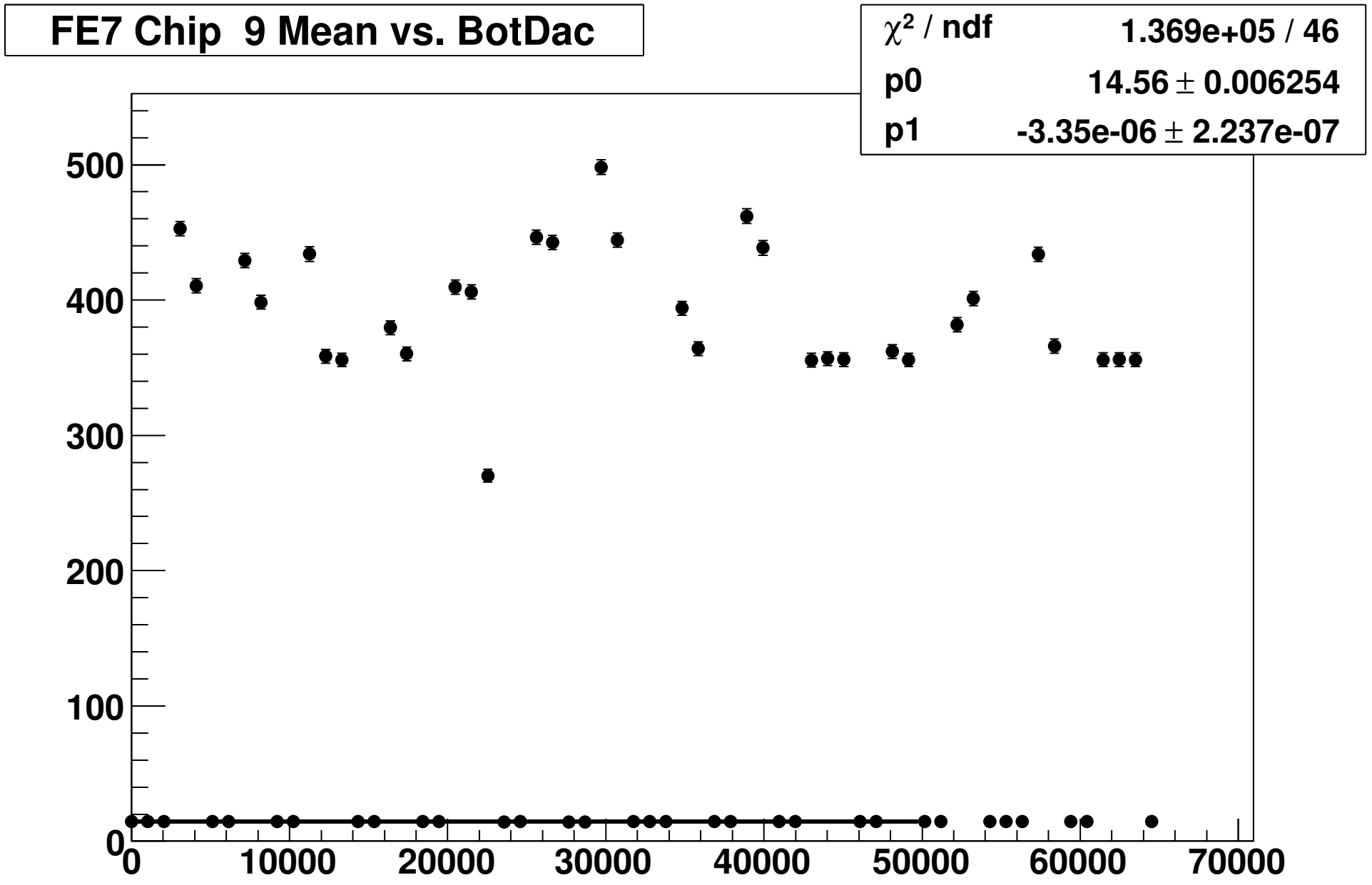

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 981 / 46
p0 1.334 ± 0.00254
p1 3.396e-05 ± 1.356e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

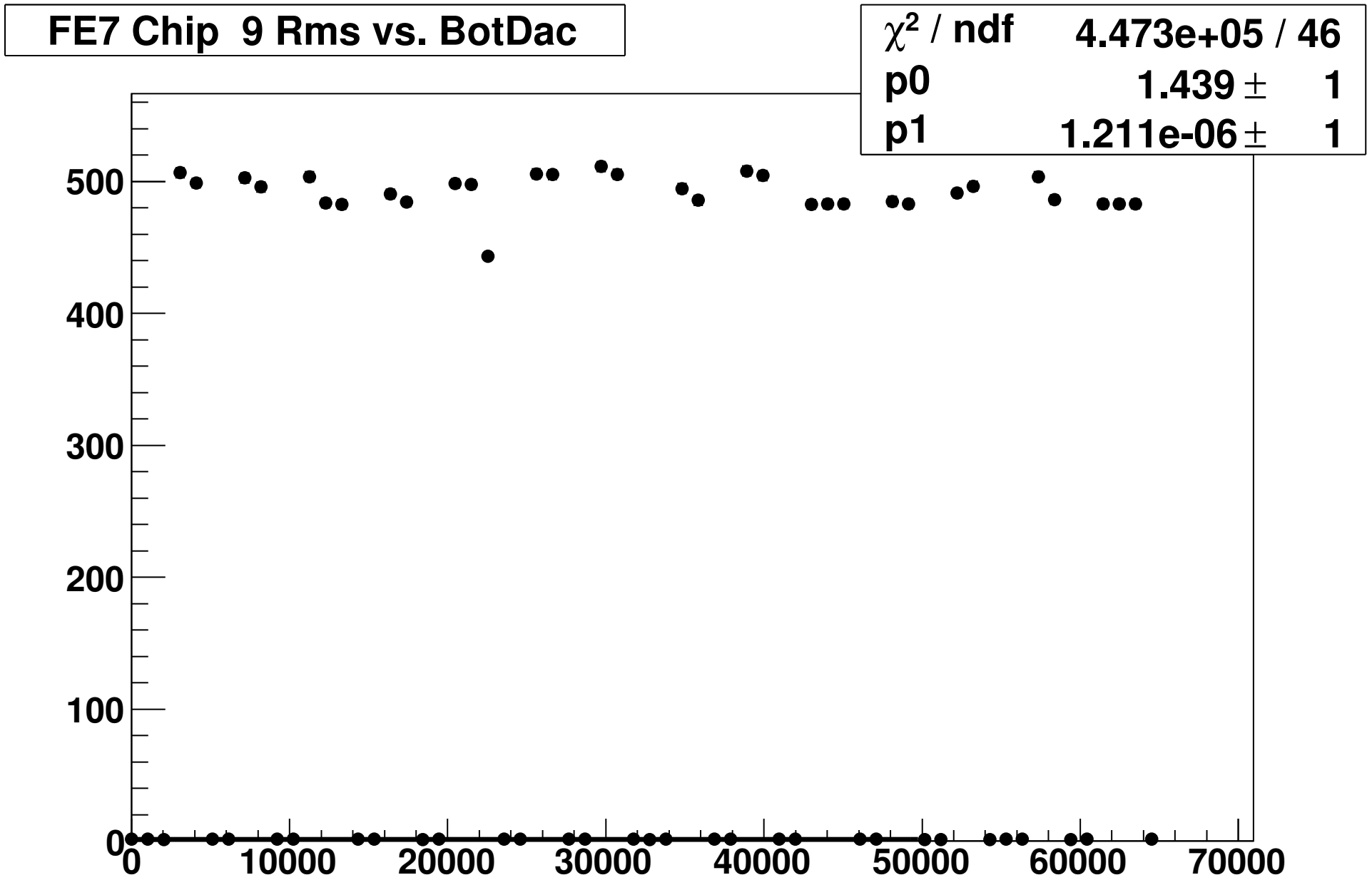

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 862.6 / 46
p0 10.88 ± 0.004404
p1 -2.532e-06 ± 1.527e-07
11
10.95
10.9
10.85
10.8
10.75
10.7
10.65
0
10000
20000
30000
40000
50000
60000
70000

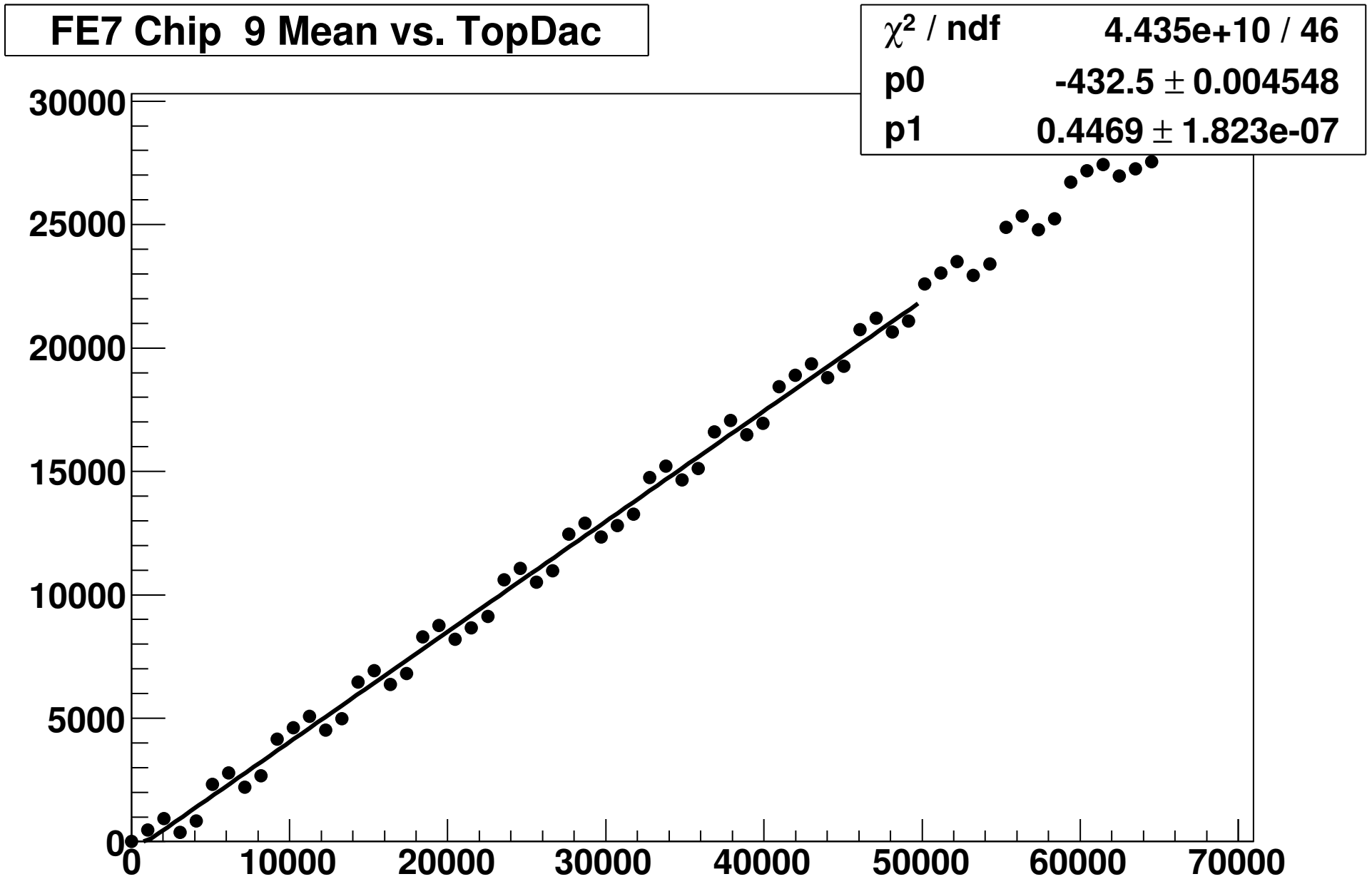

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 51.64 / 46
p0 1.422 ± 0.00153
p1 2.99e-15 ± 1.948e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000
70000

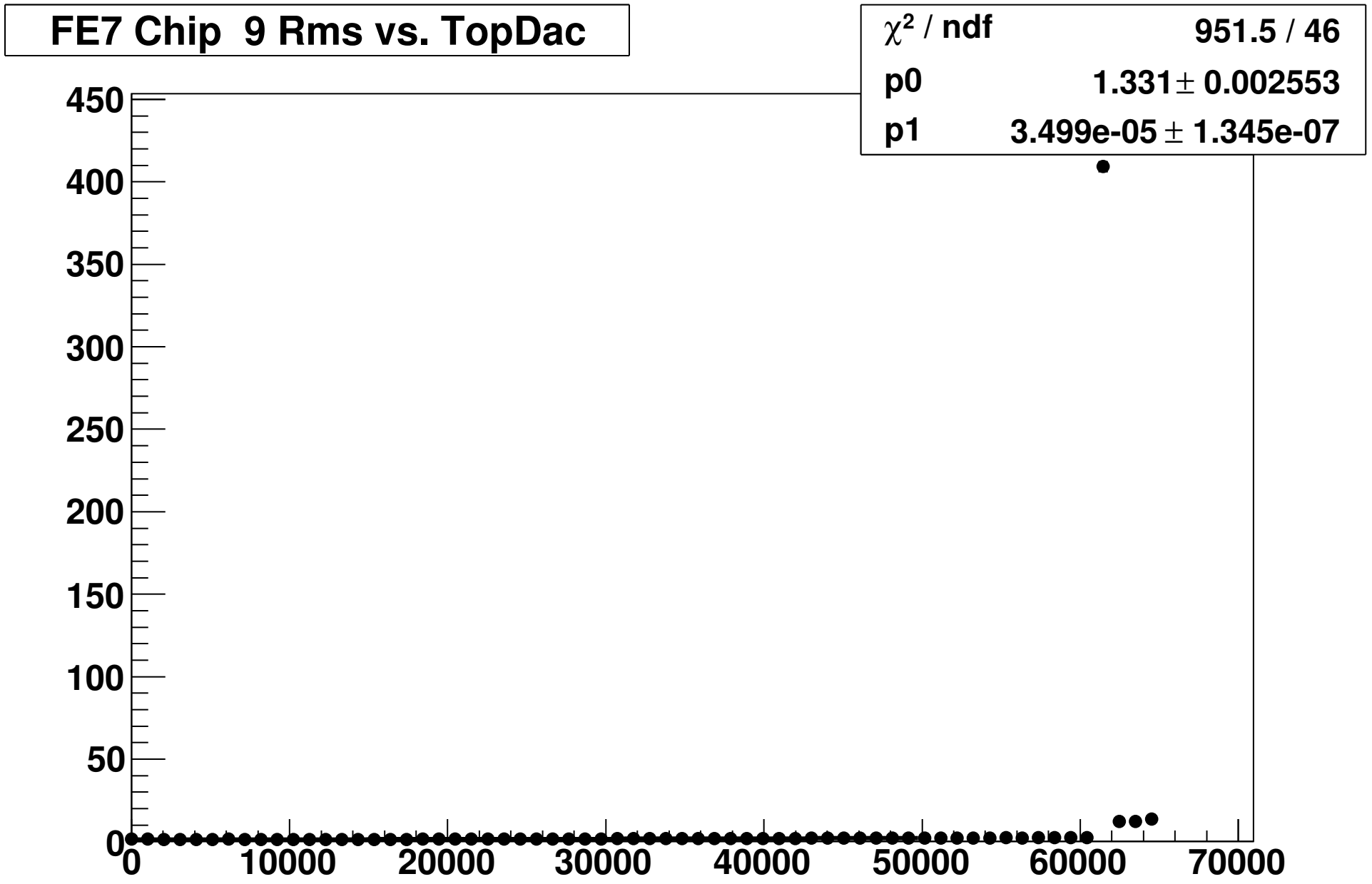

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 9.676e+04 / 46
p0 9.544 ± 0.004537
p1 0.4498 ± 1.813e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

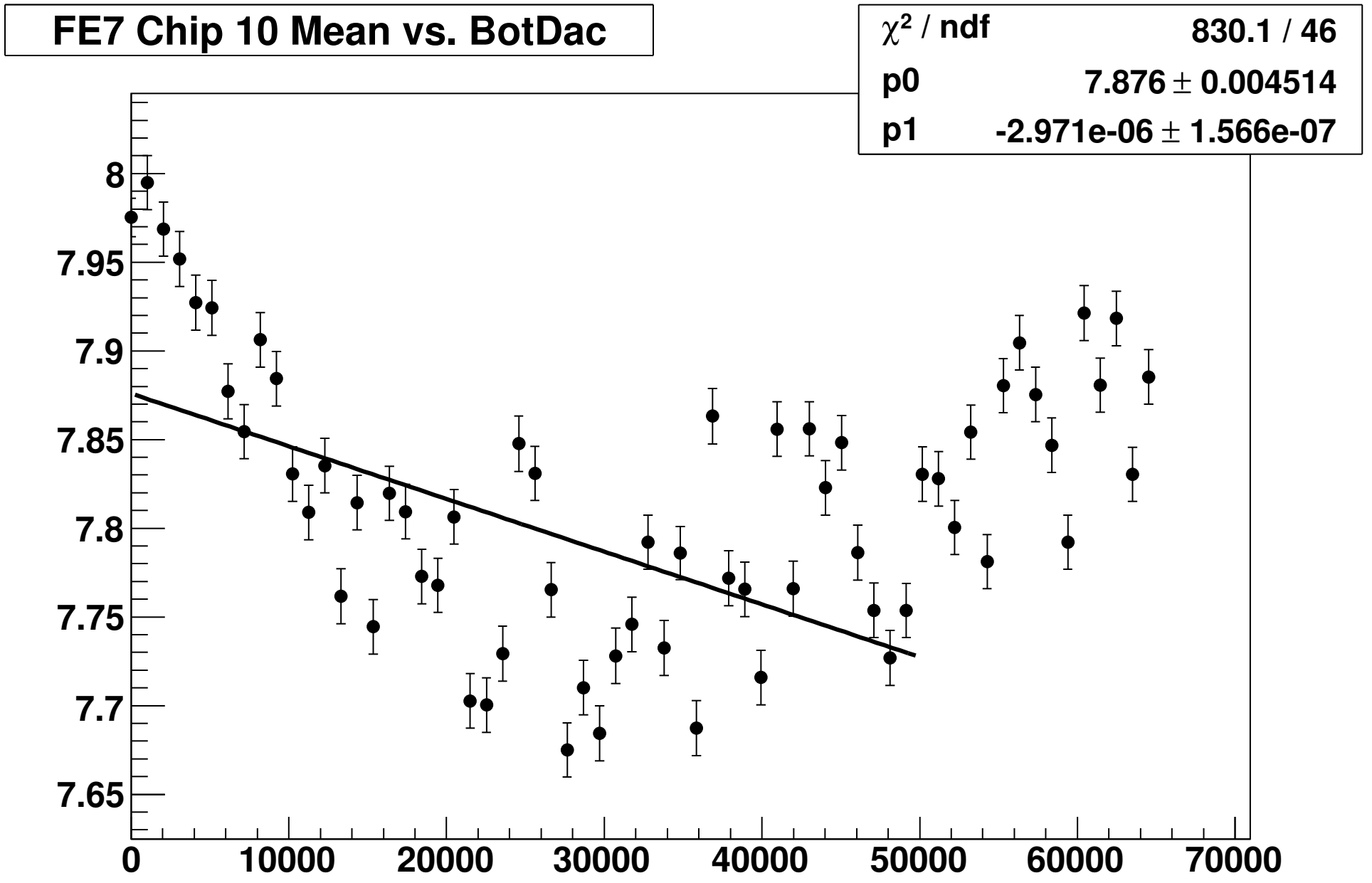

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 802.5 / 46
p0 1.332 ± 0.002546
p1 3.453e-05 ± 1.349e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

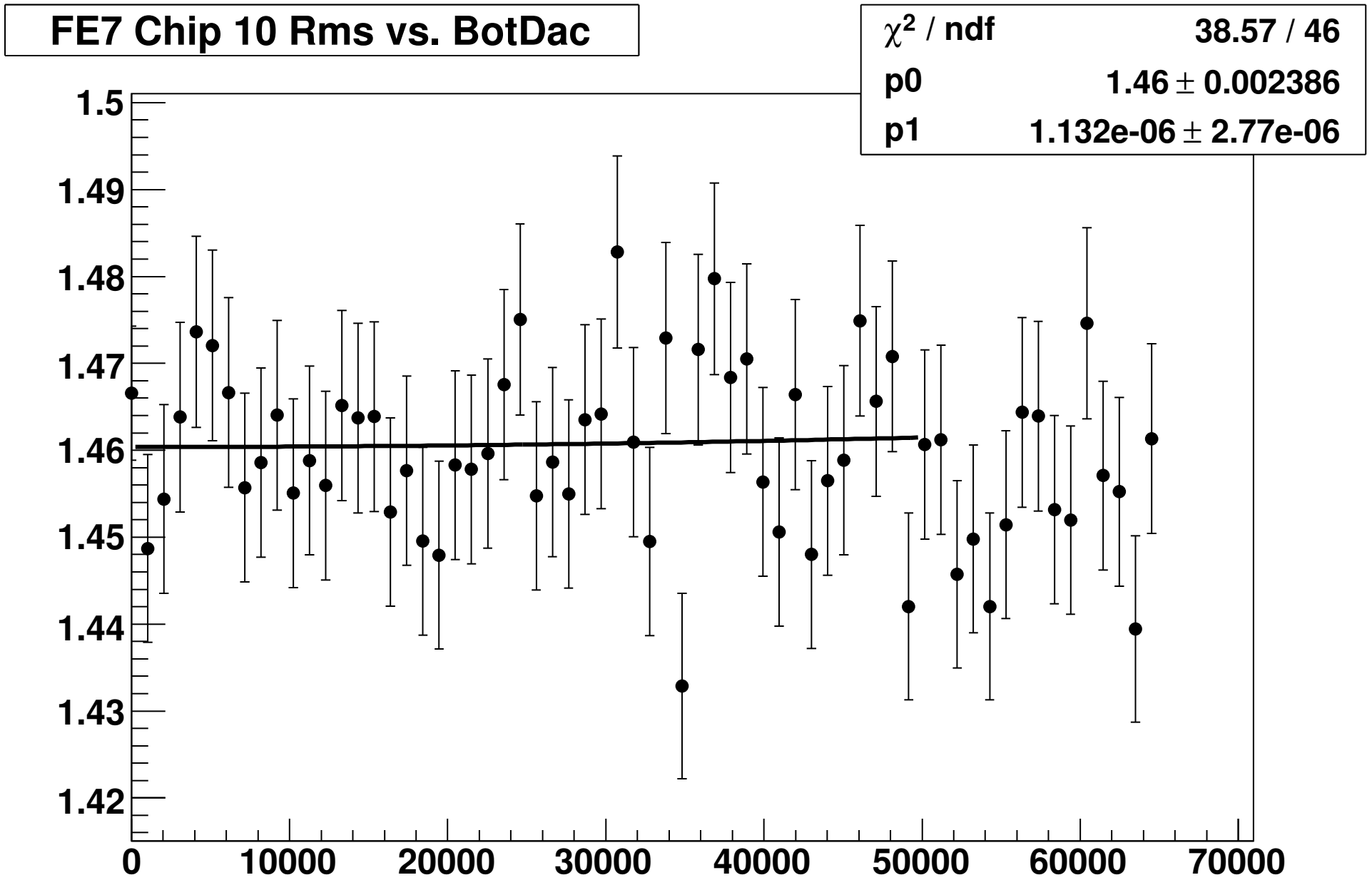

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 1.369e+05 / 46
p0 14.56 ± 0.006254
p1 -3.35e-06 ± 2.237e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

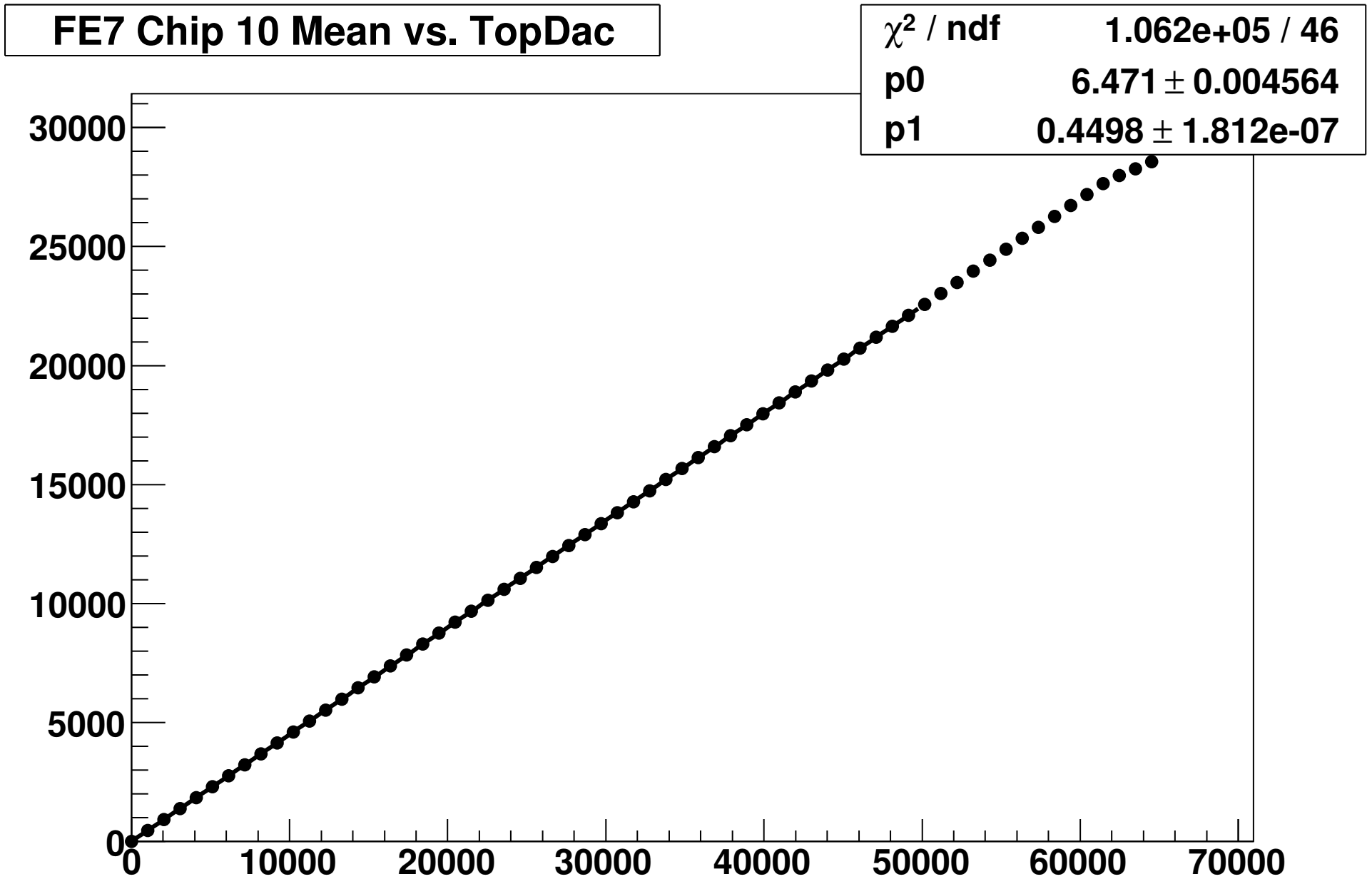

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 4.473e+05 / 46
p0 1.439 ± 1
p1 1.211e-06 ± 1
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

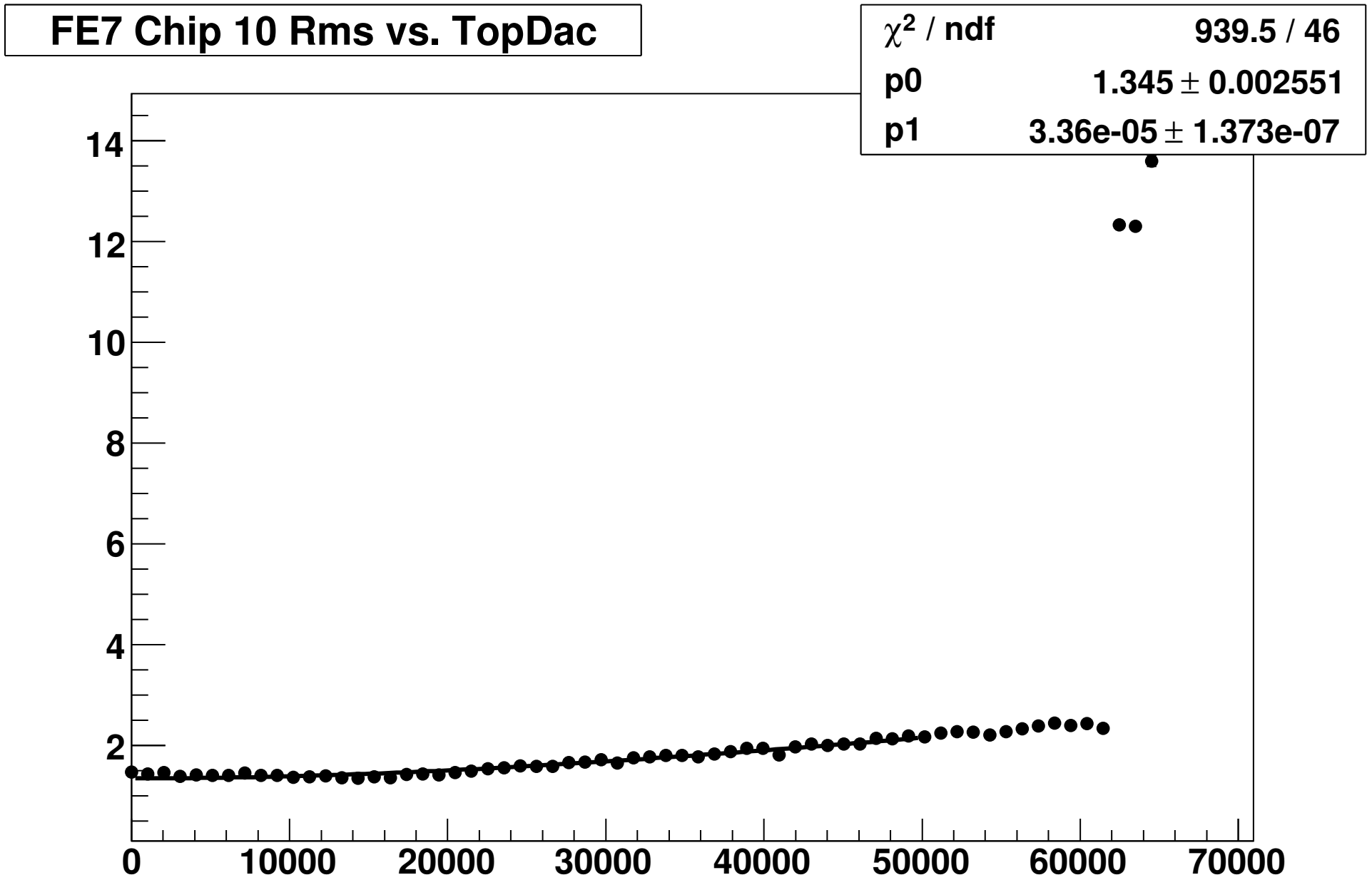

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 4.435e+10 / 46
p0 -432.5 ± 0.004548
p1 0.4469 ± 1.823e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

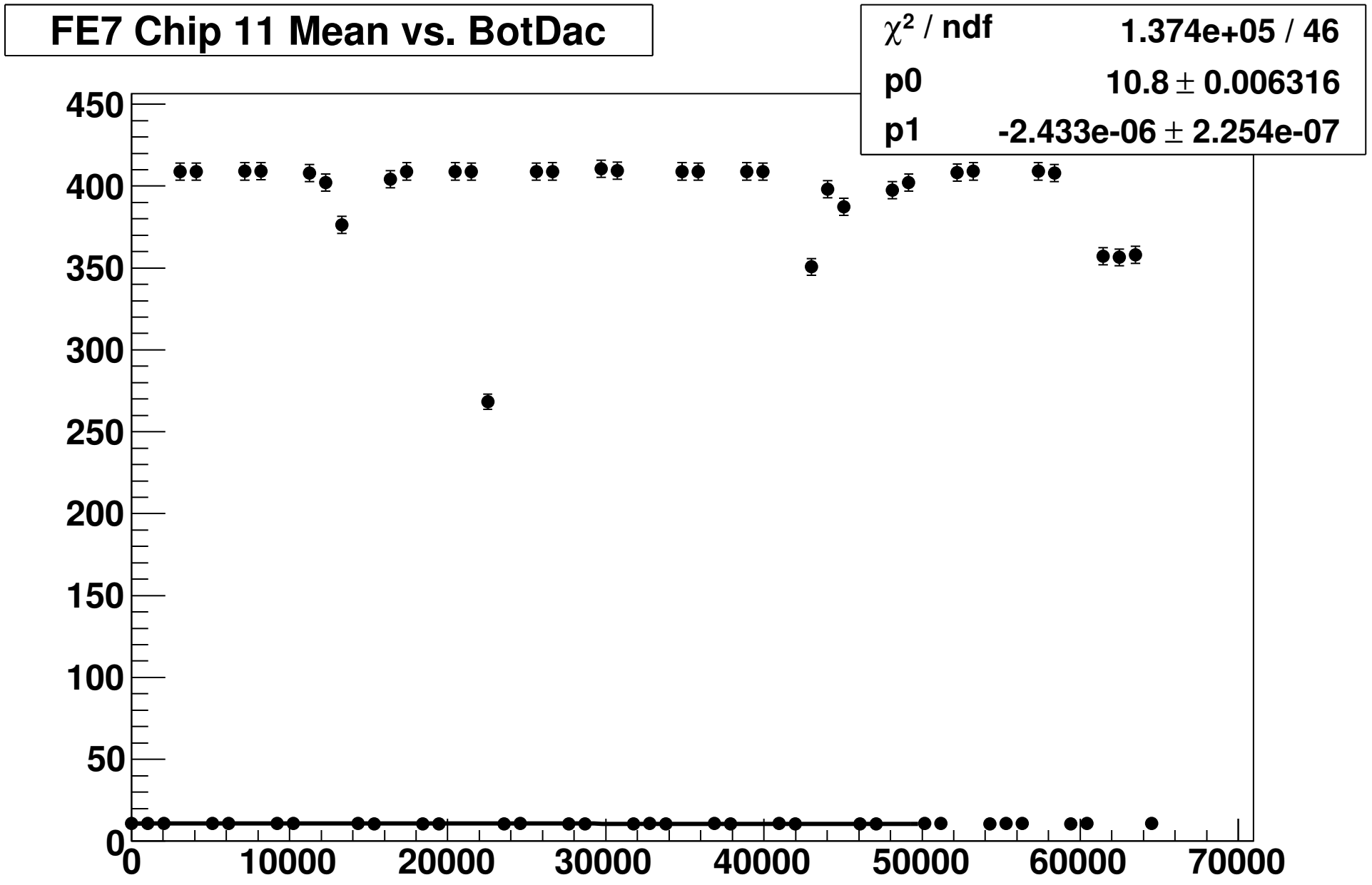

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 951.5 / 46
p0 1.331 ± 0.002553
p1 3.499e-05 ± 1.345e-07
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000

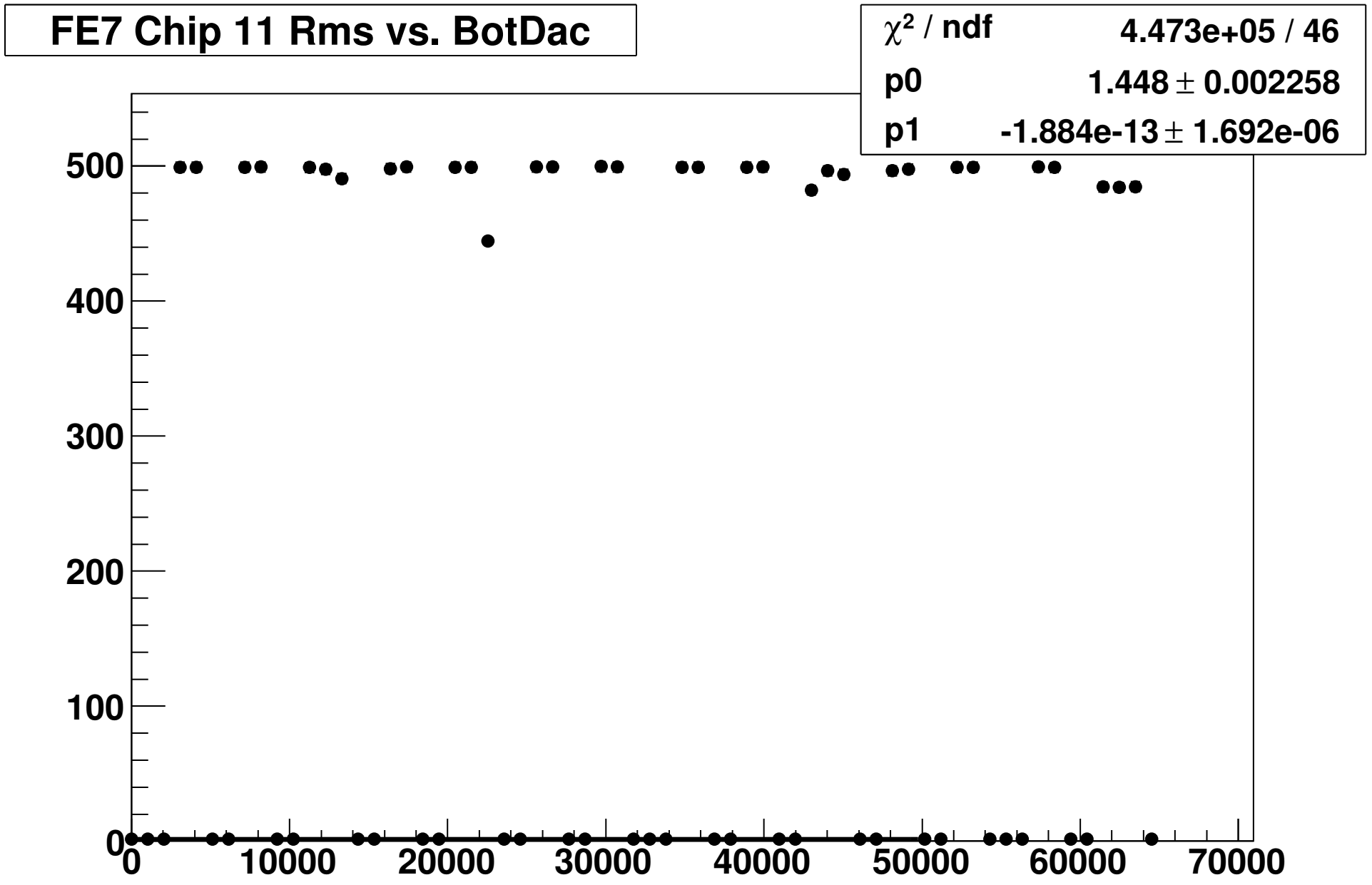

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 830.1 / 46
p0 7.876 ± 0.004514
p1 -2.971e-06 ± 1.566e-07
8
7.95
7.9
7.85
7.8
7.75
7.7
7.65
0
10000
20000
30000
40000
50000
60000
70000

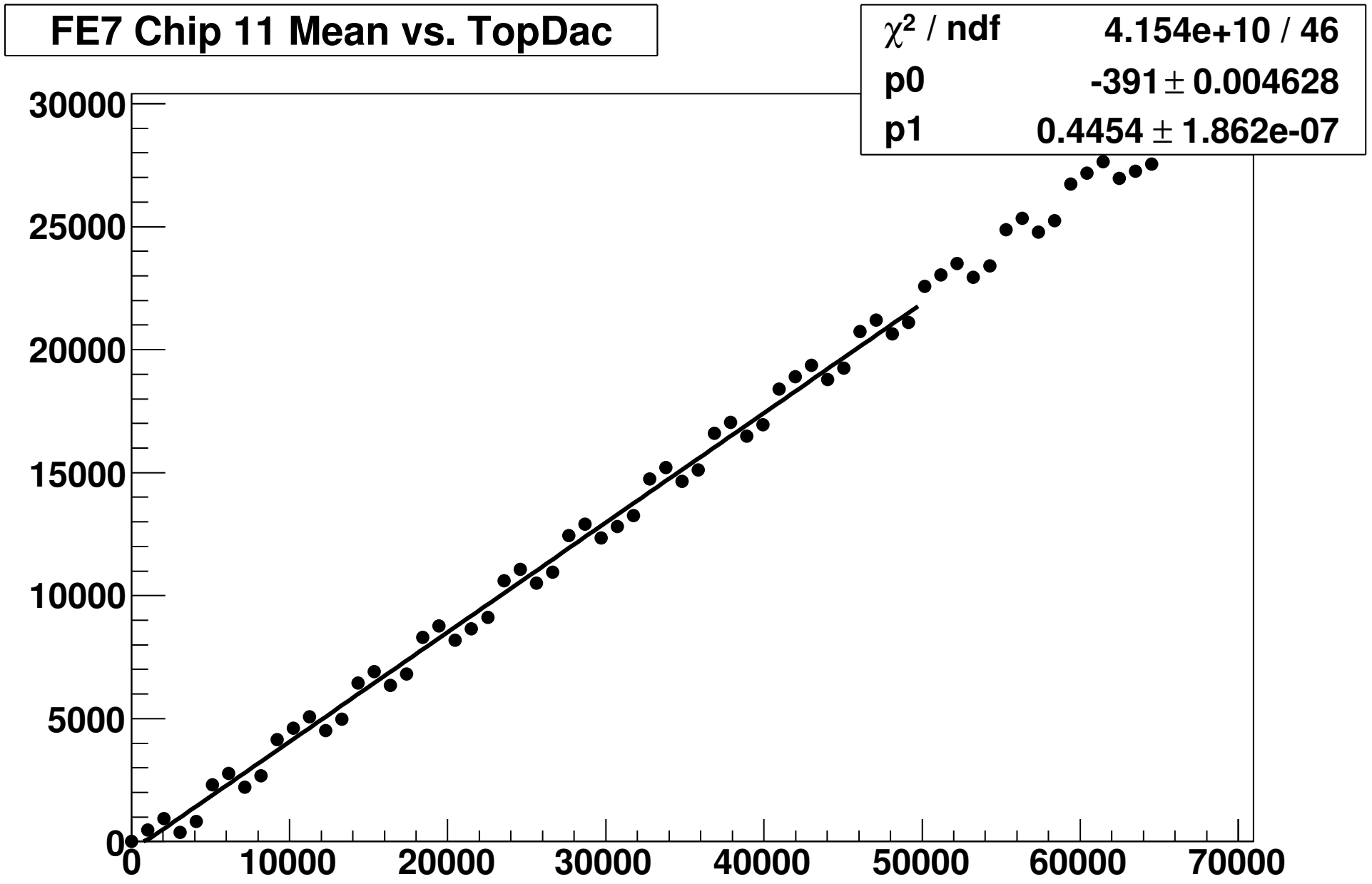

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 38.57 / 46
p0 1.46 ± 0.002386
p1 1.132e-06 ± 2.77e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

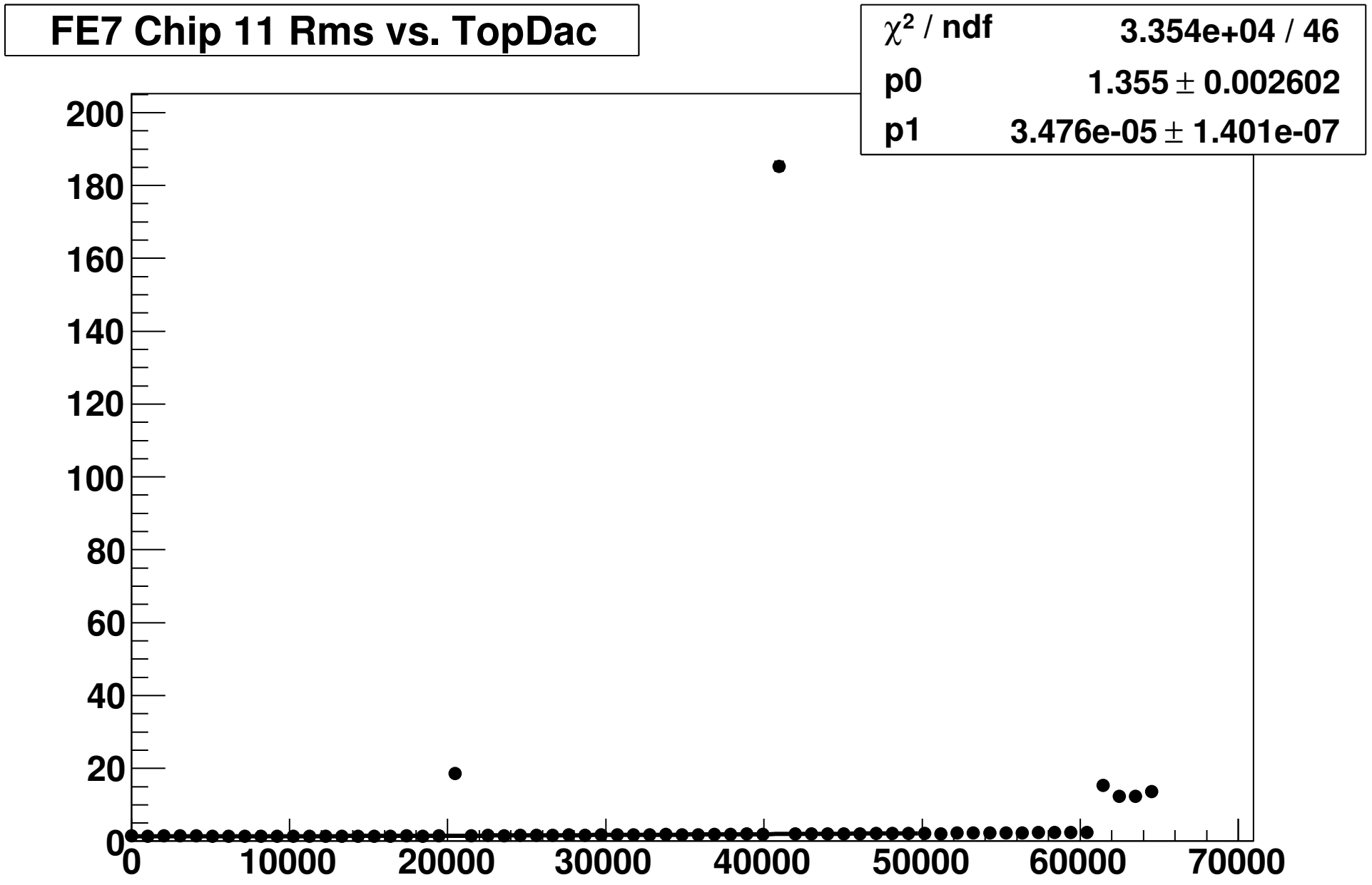

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.062e+05 / 46
p0 6.471 ± 0.004564
p1 0.4498 ± 1.812e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

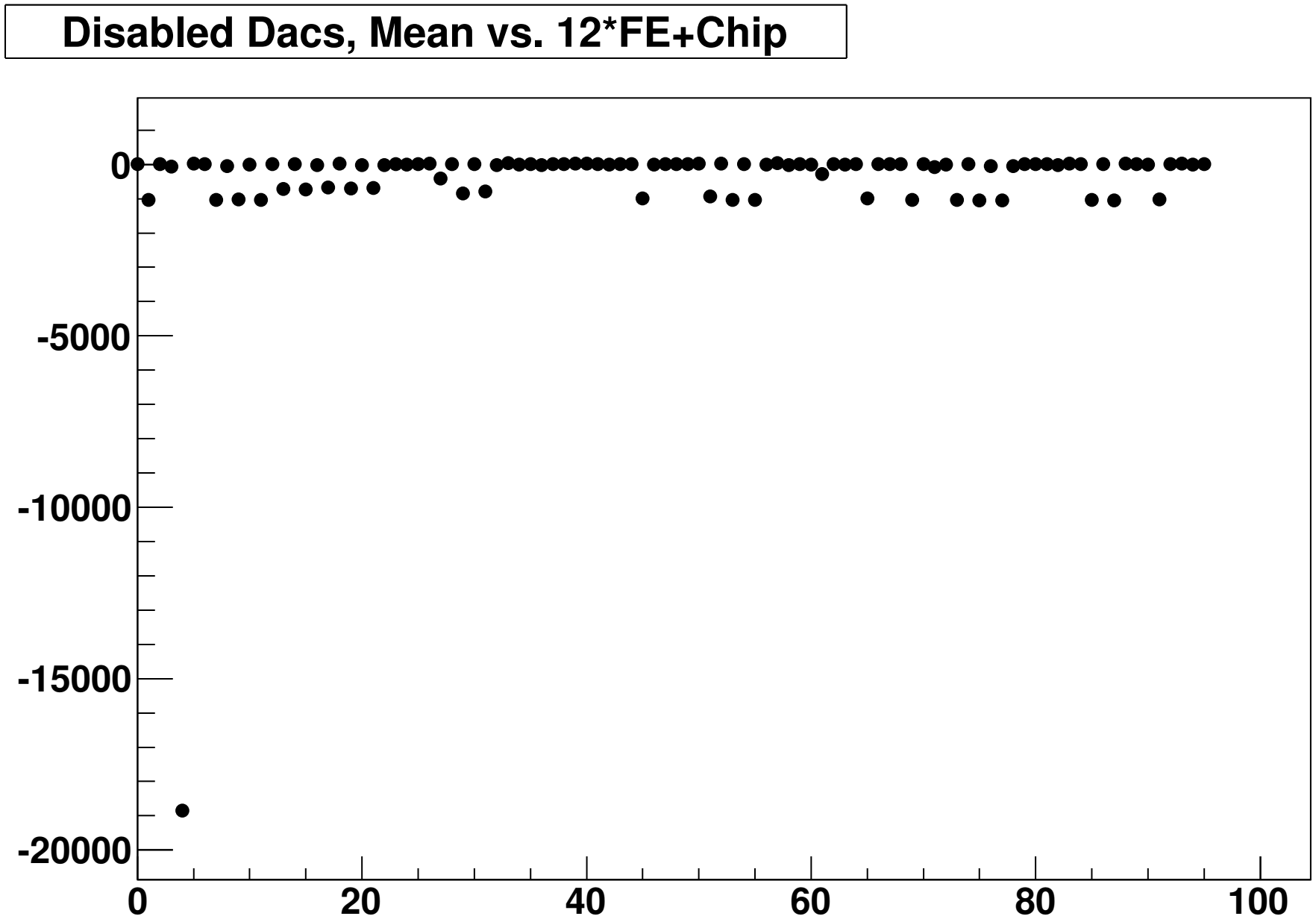

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 939.5 / 46
p0 1.345 ± 0.002551
p1 3.36e-05 ± 1.373e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

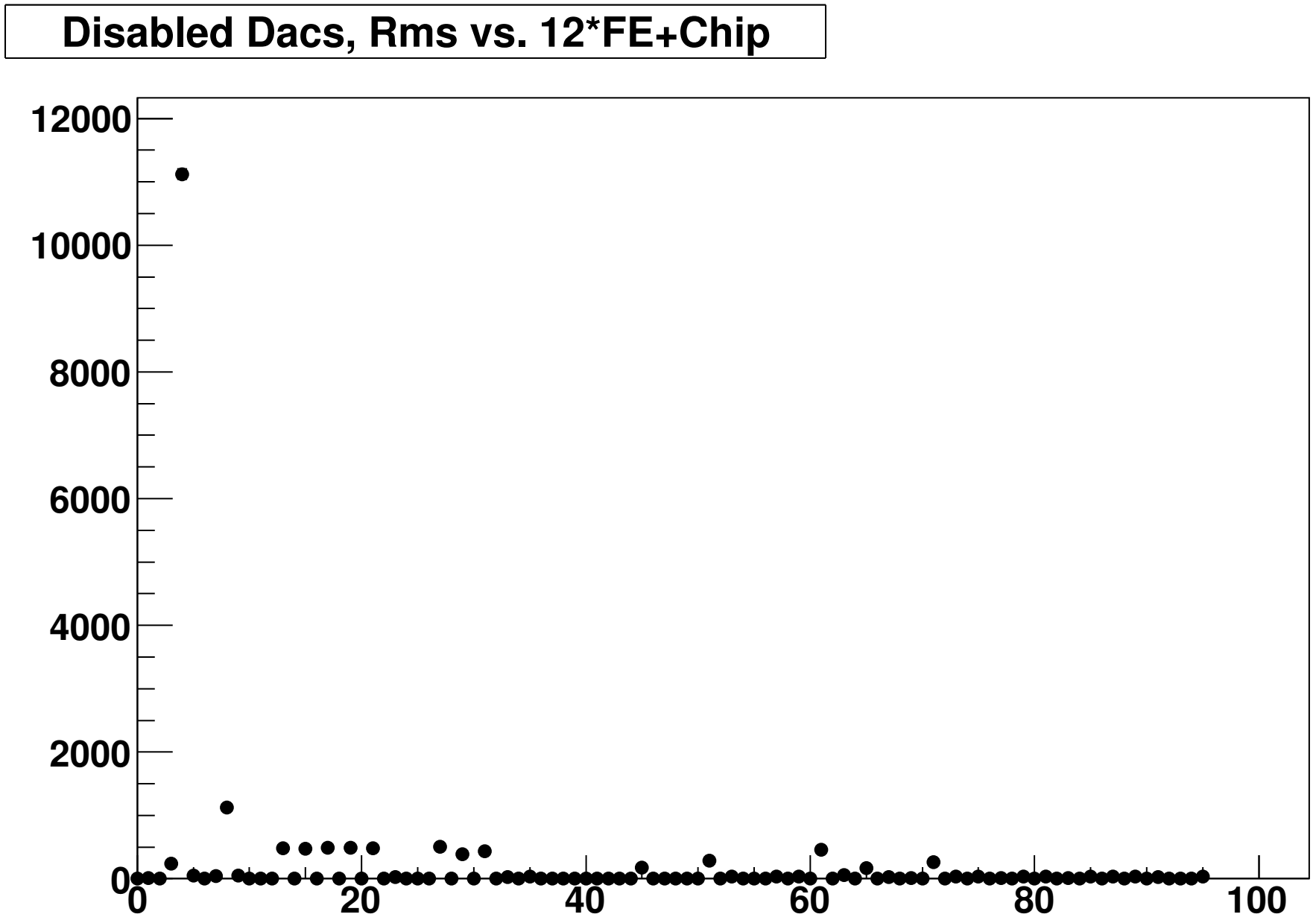

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 1.374e+05 / 46
p0 10.8 ± 0.006316
p1 -2.433e-06 ± 2.254e-07
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000

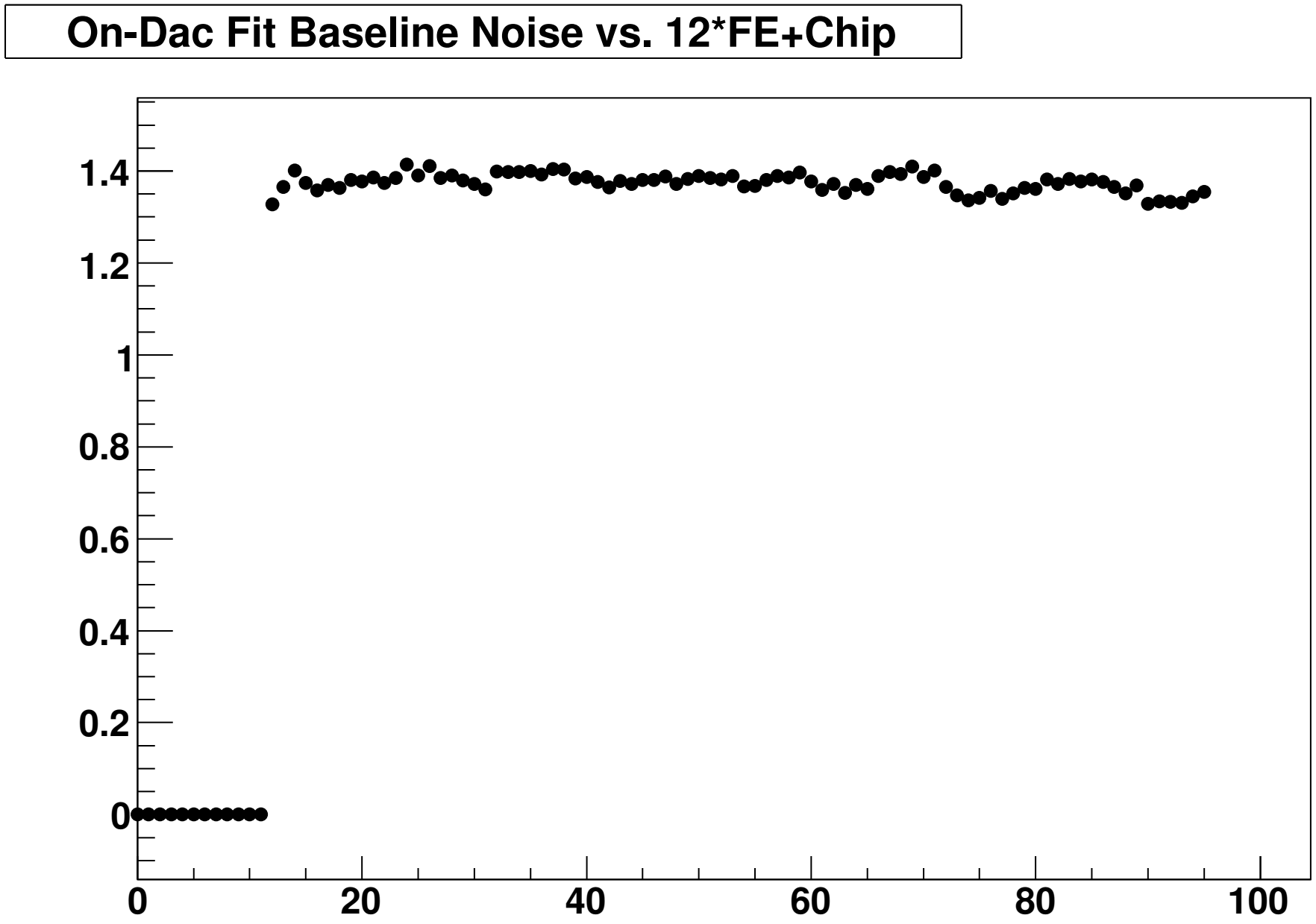

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 4.473e+05 / 46
p0 1.448 ± 0.002258
p1 -1.884e-13 ± 1.692e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

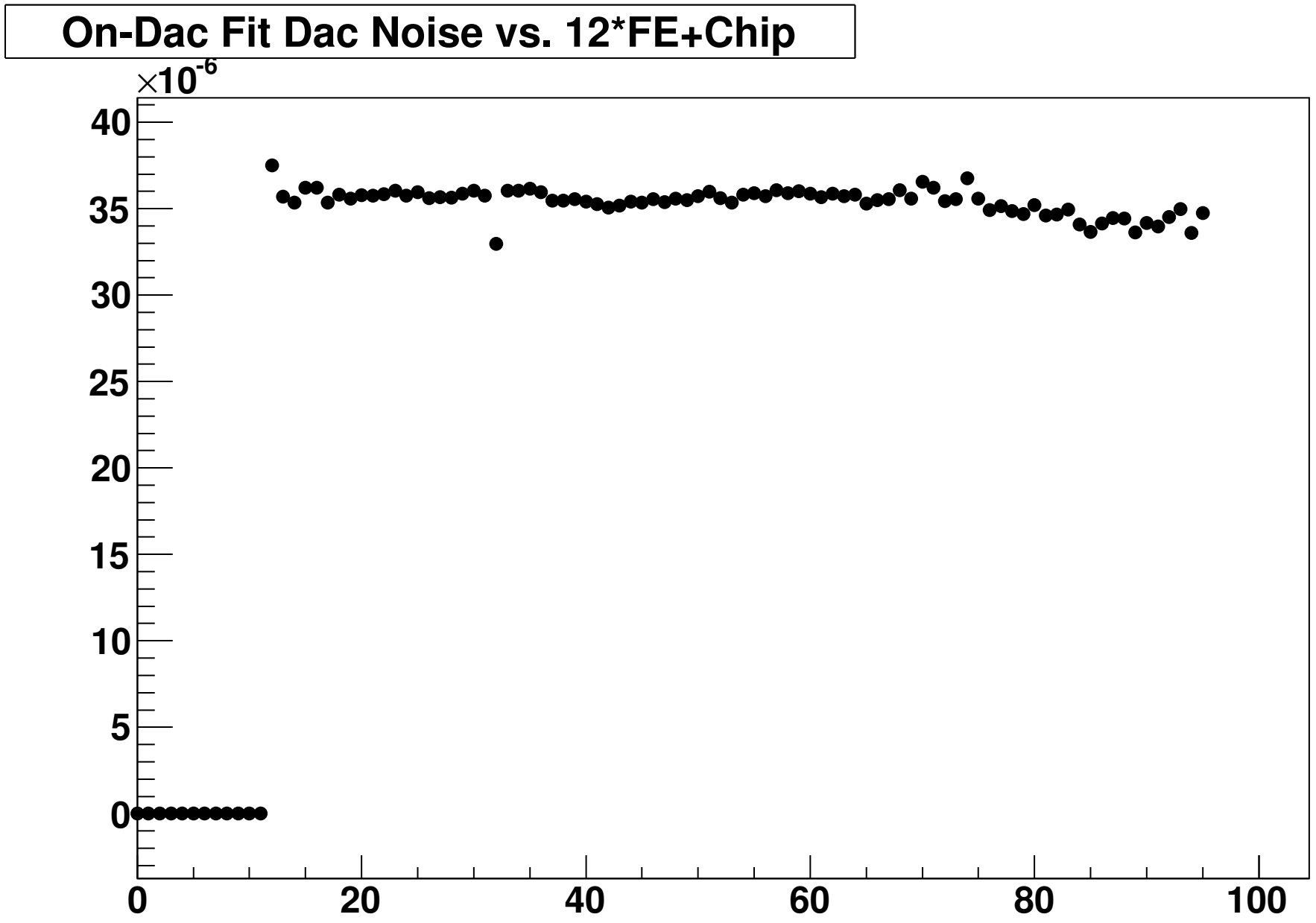

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 4.154e+10 / 46
p0 -391 ± 0.004628
p1 0.4454 ± 1.862e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

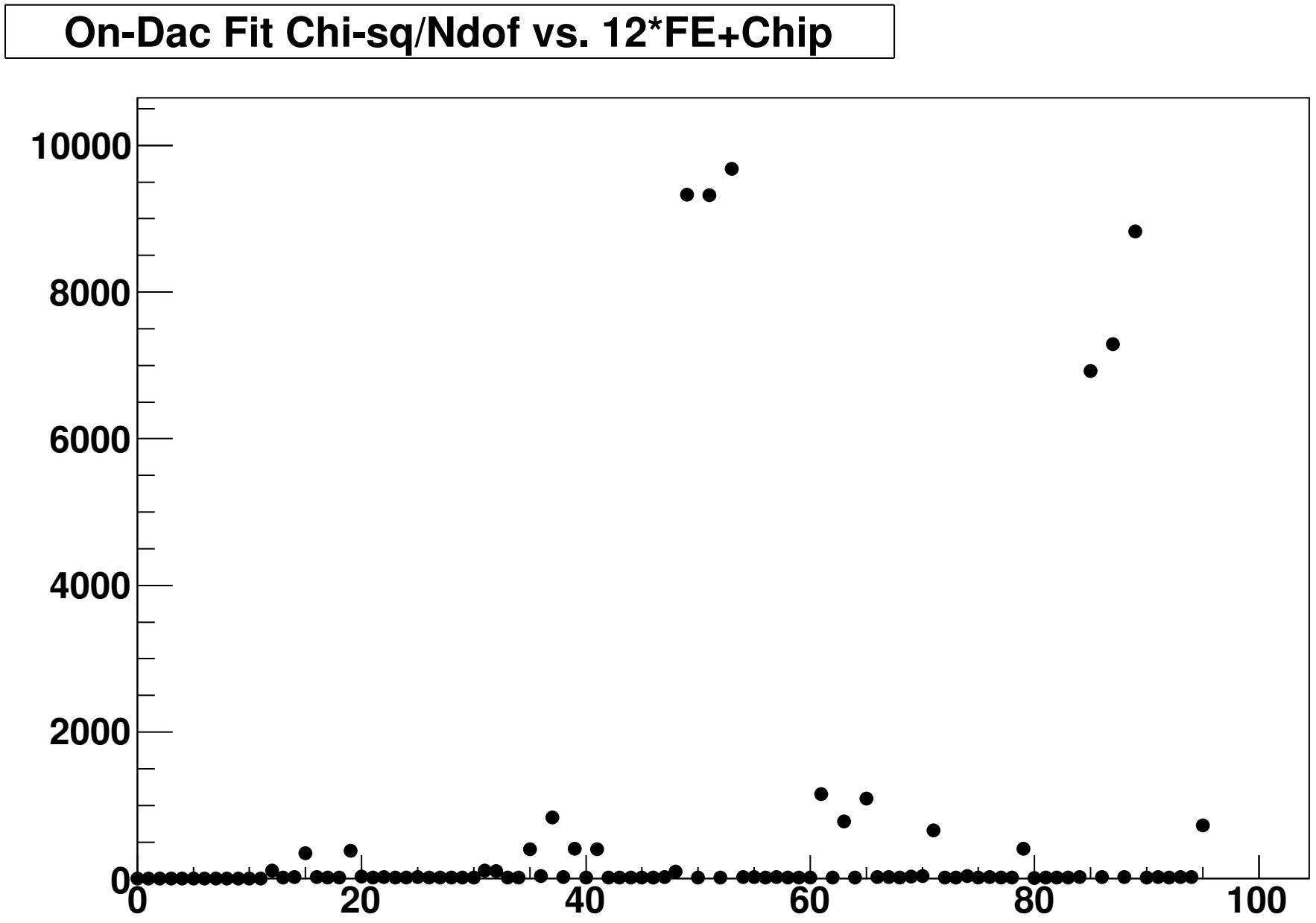

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 3.354e+04 / 46
p0 1.355 ± 0.002602
p1 3.476e-05 ± 1.401e-07
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

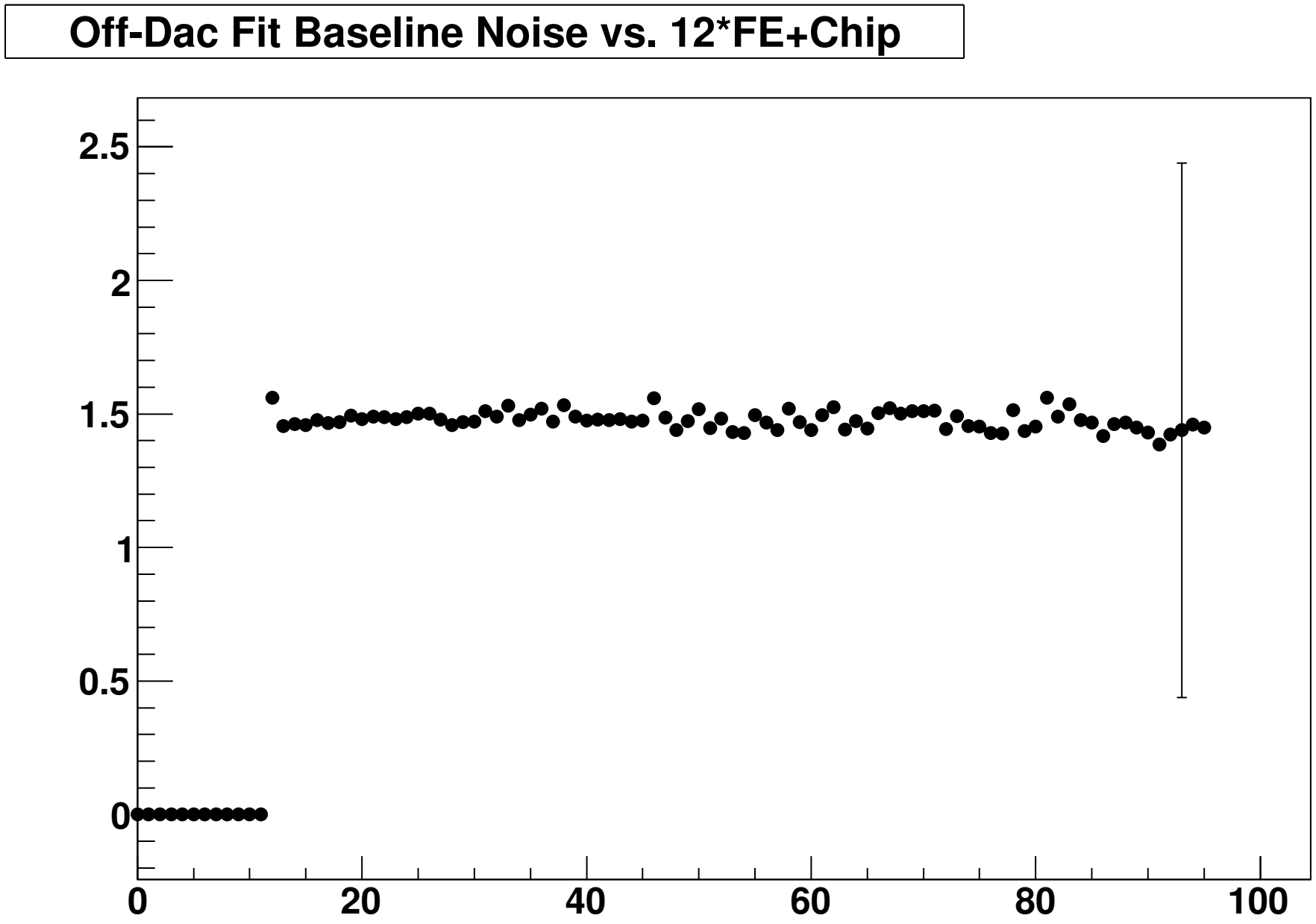

Disabled Dacs, Mean vs. 12*FE+Chip
0
-5000
-10000
-15000
-20000
0
20
40
60
80
100

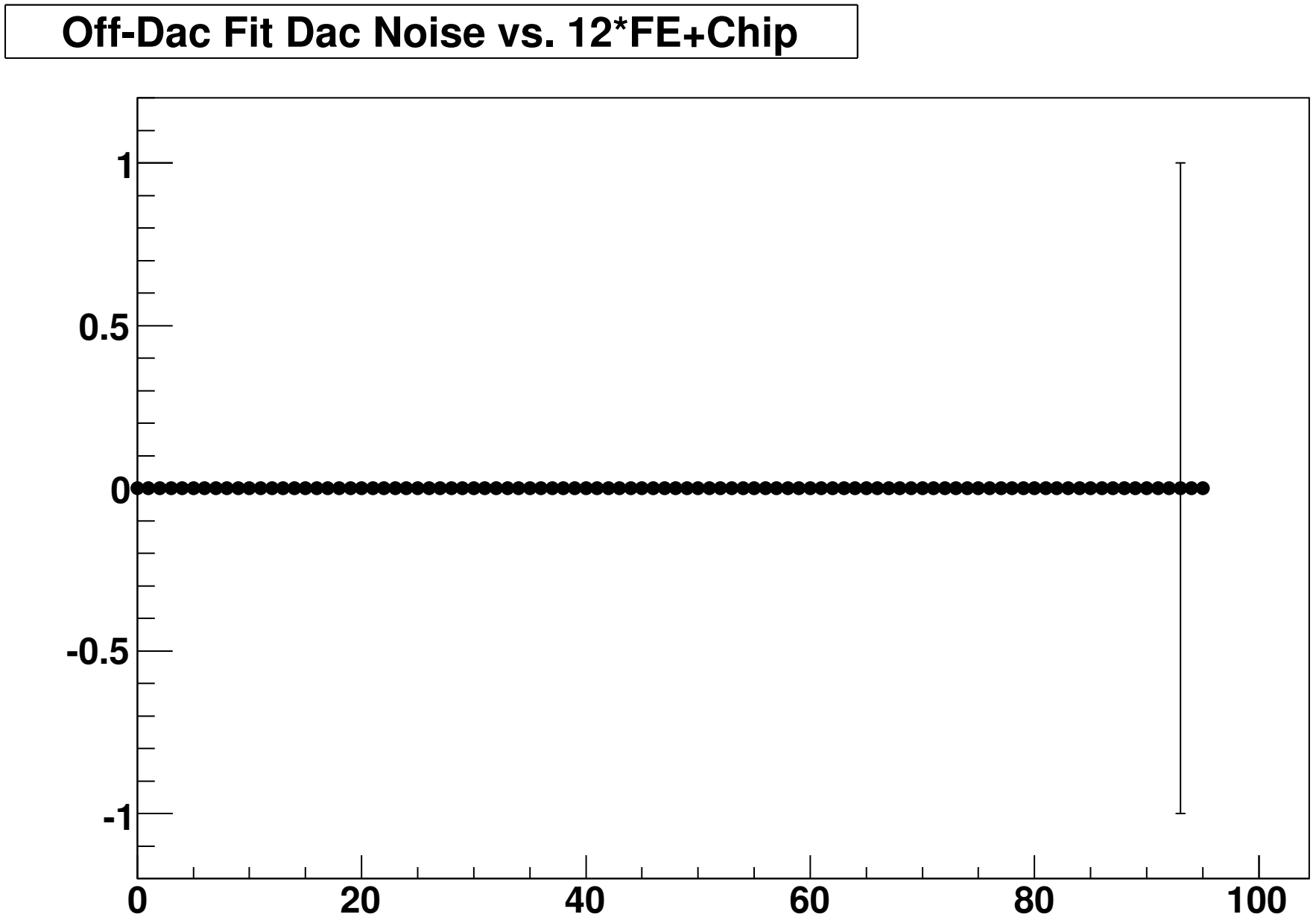

Disabled Dacs, Rms vs. 12*FE+Chip
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

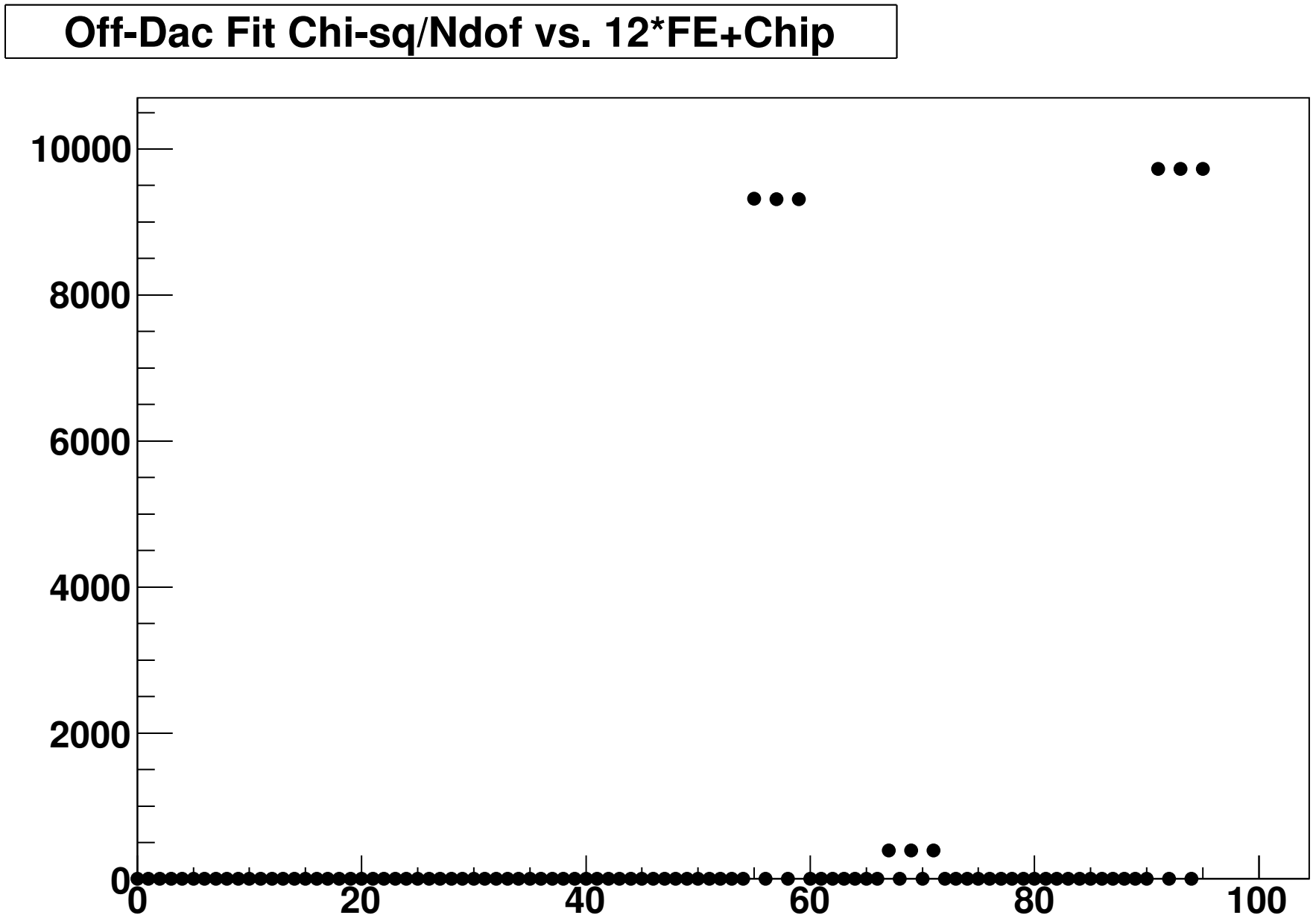

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

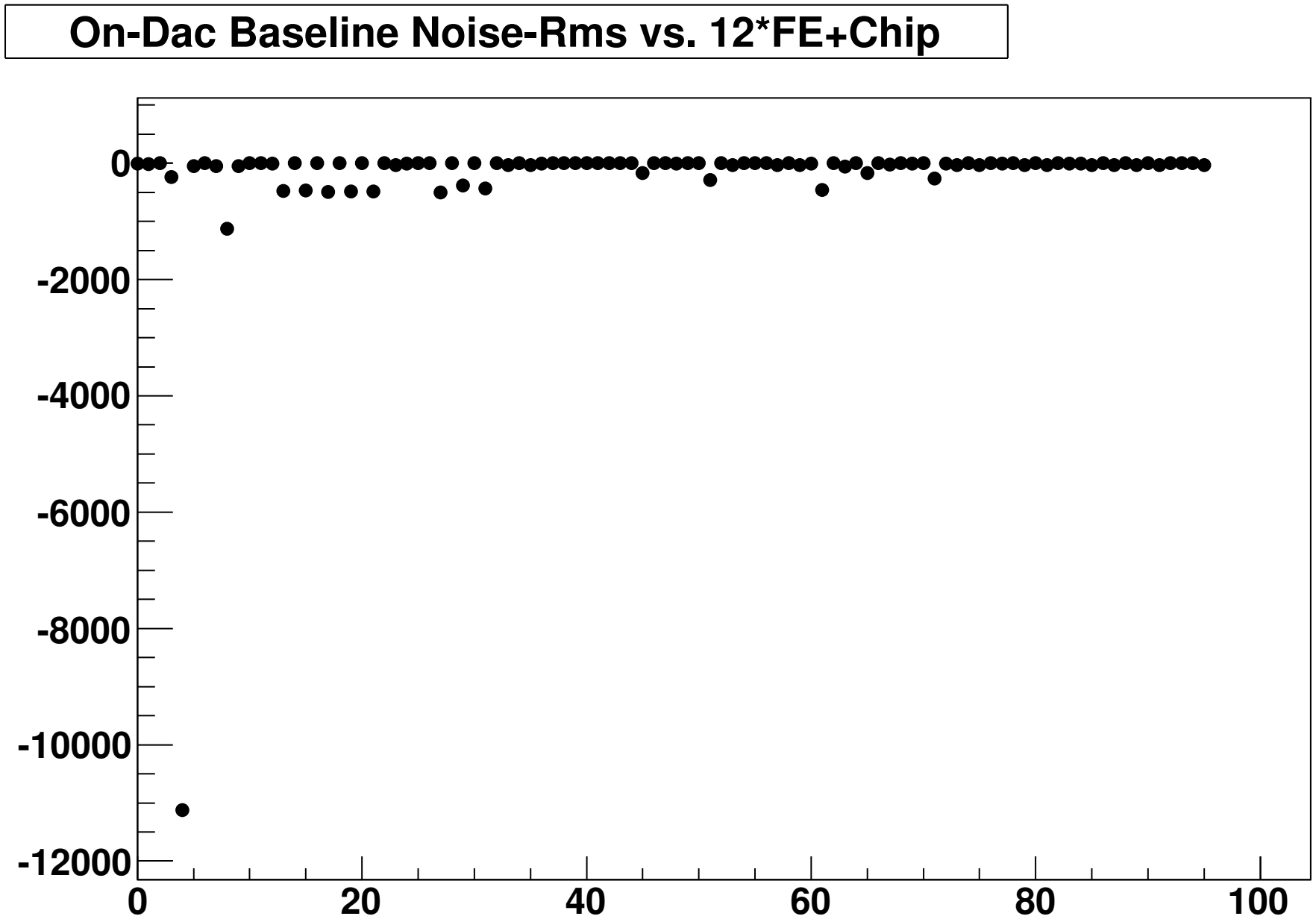

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100

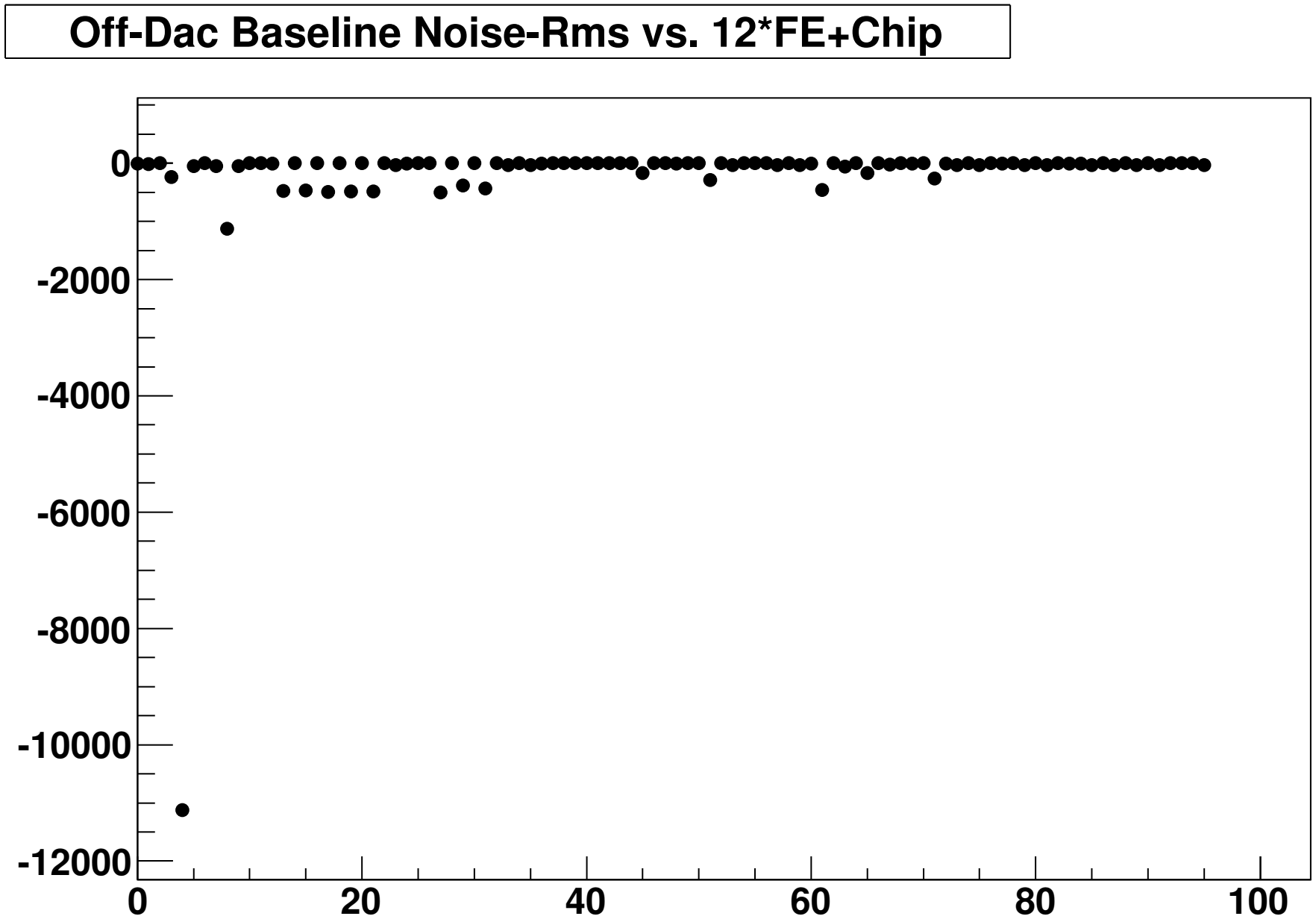

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
10000
8000
6000
4000
2000
0
0
20
40
60
80
100


Off-Dac Fit Baseline Noise vs. 12*FE+Chip
2.5
2
1.5
1
0.5
0
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
10000
8000
6000
4000
2000
0
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-2000
-4000
-6000
-8000
-10000
-12000
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-2000
-4000
-6000
-8000
-10000
-12000
0
20
40
60
80
100