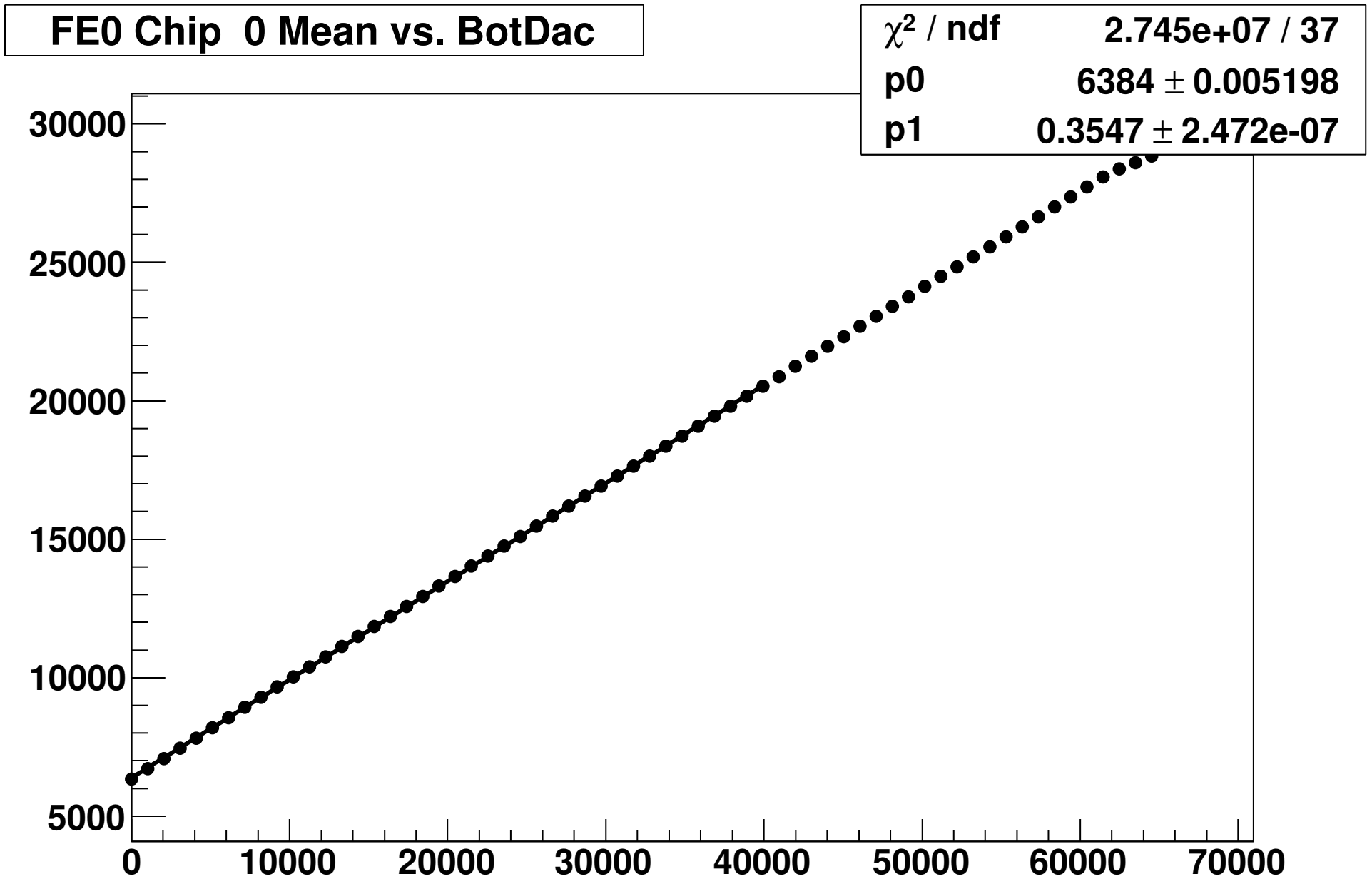
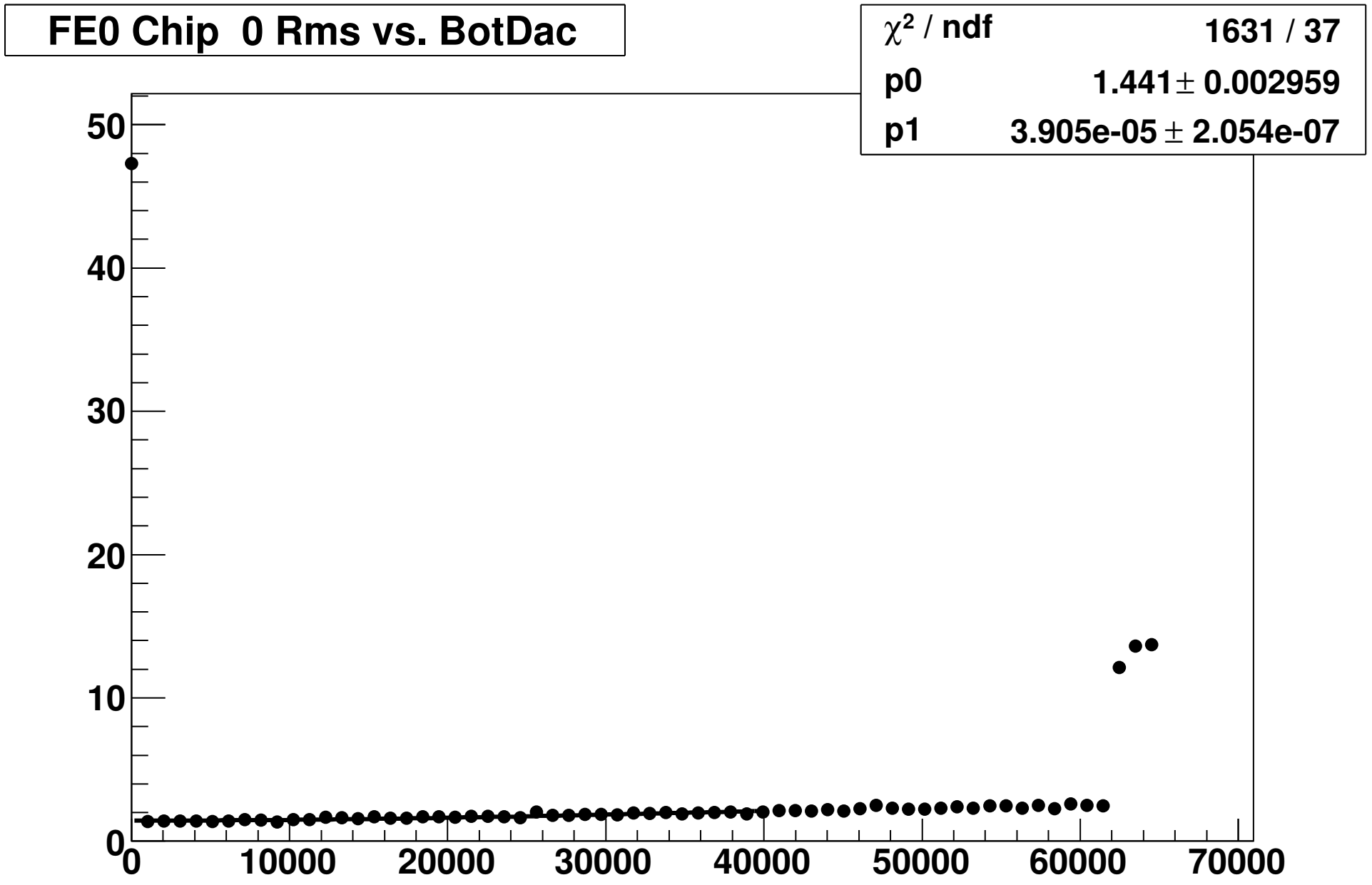
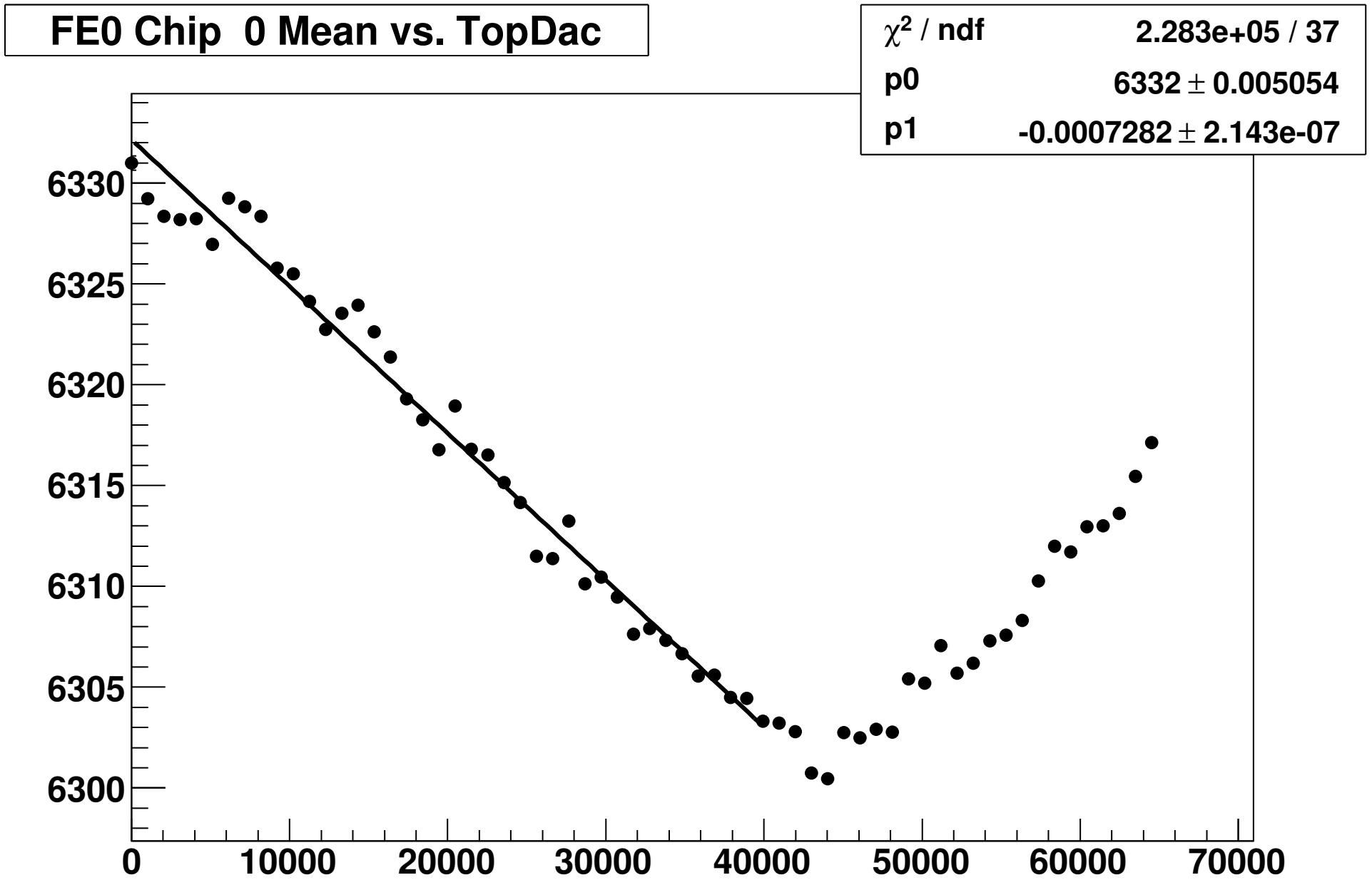

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 2.745e+07 / 37
p0 6384 ± 0.005198
p1 0.3547 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1631 / 37
p0 1.441 ± 0.002959
p1 3.905e-05 ± 2.054e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 2.283e+05 / 37
p0 6332 ± 0.005054
p1 -0.0007282 ± 2.143e-07
6330
6325
6320
6315
6310
6305
6300
0
10000
20000
30000
40000
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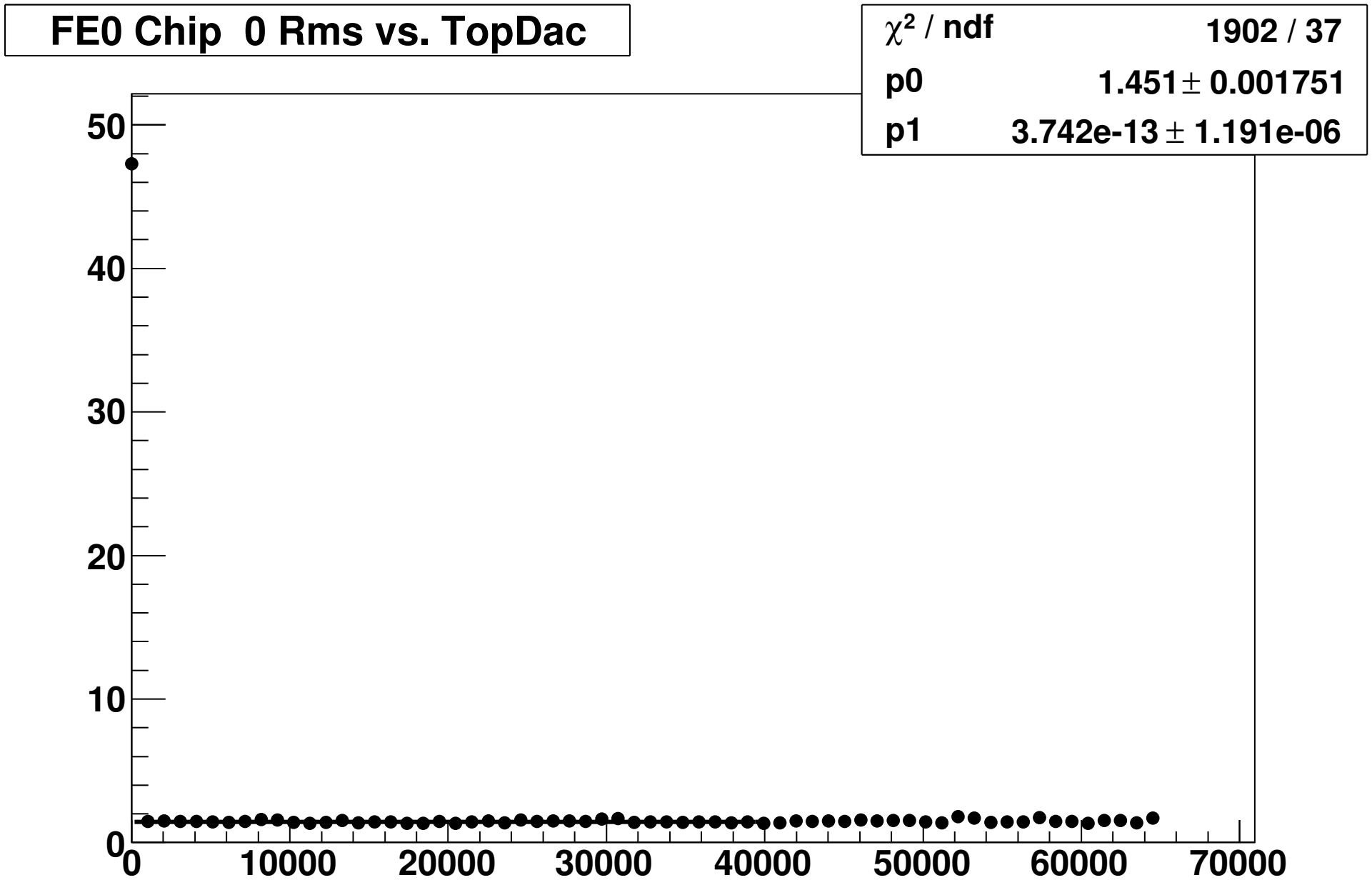
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 1902 / 37
p0 1.451 ± 0.001751
p1 3.742e-13 ± 1.191e-06
50
40
30
20
10
0
0
10000
20000
30000
40000
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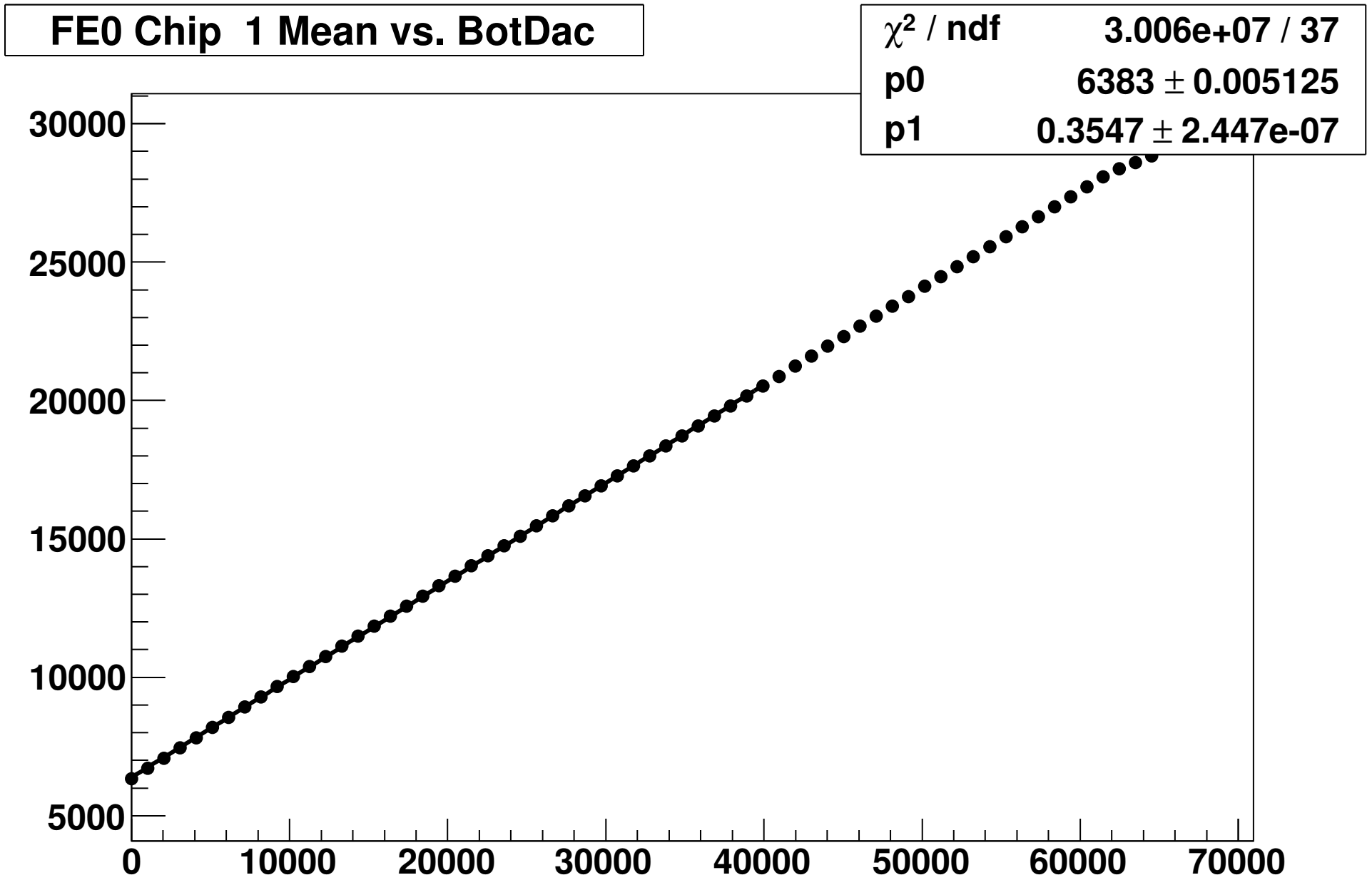
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 3.006e+07 / 37
p0 6383 ± 0.005125
p1 0.3547 ± 2.447e-07
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25000
20000
15000
10000
5000
0
10000
20000
30000
40000
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60000
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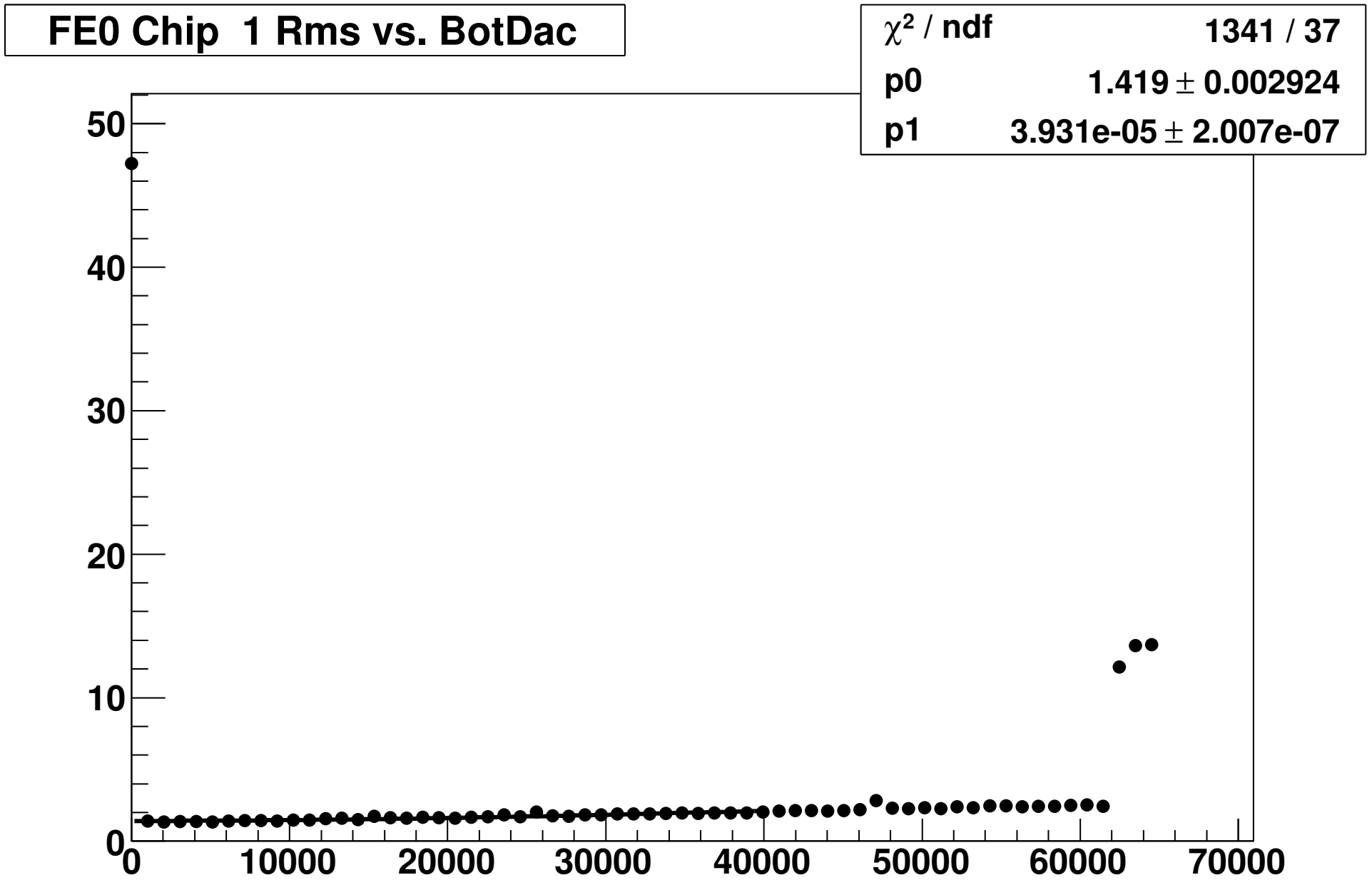
FE0 Chip 1 Rms vs. BotDac
χ² / ndf 1341 / 37
p0 1.419 ± 0.002924
p1 3.931e-05 ± 2.007e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
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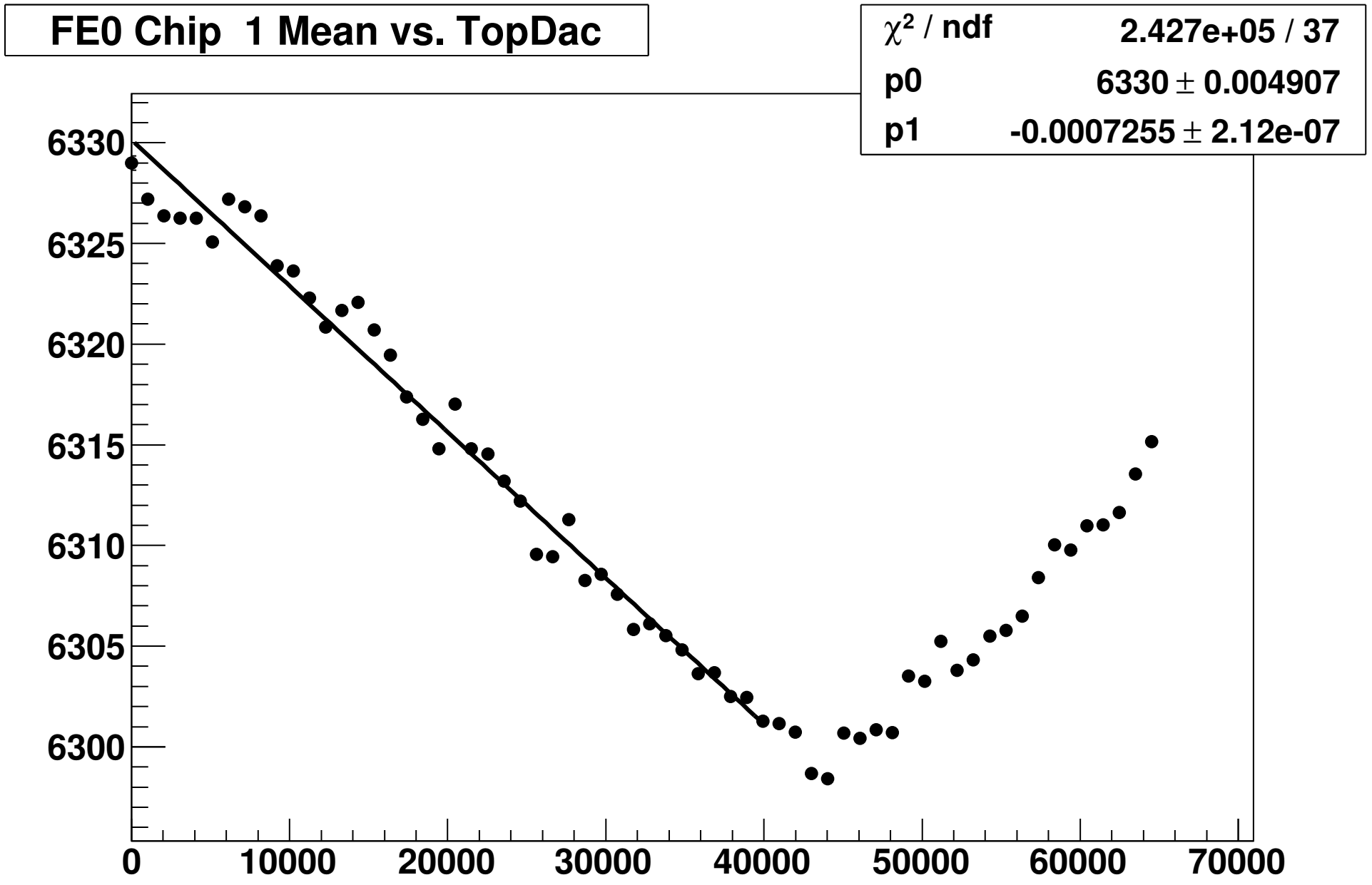
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 2.427e+05 / 37
p0 6330 ± 0.004907
p1 -0.0007255 ± 2.12e-07
6330
6325
6320
6315
6310
6305
6300
0
10000
20000
30000
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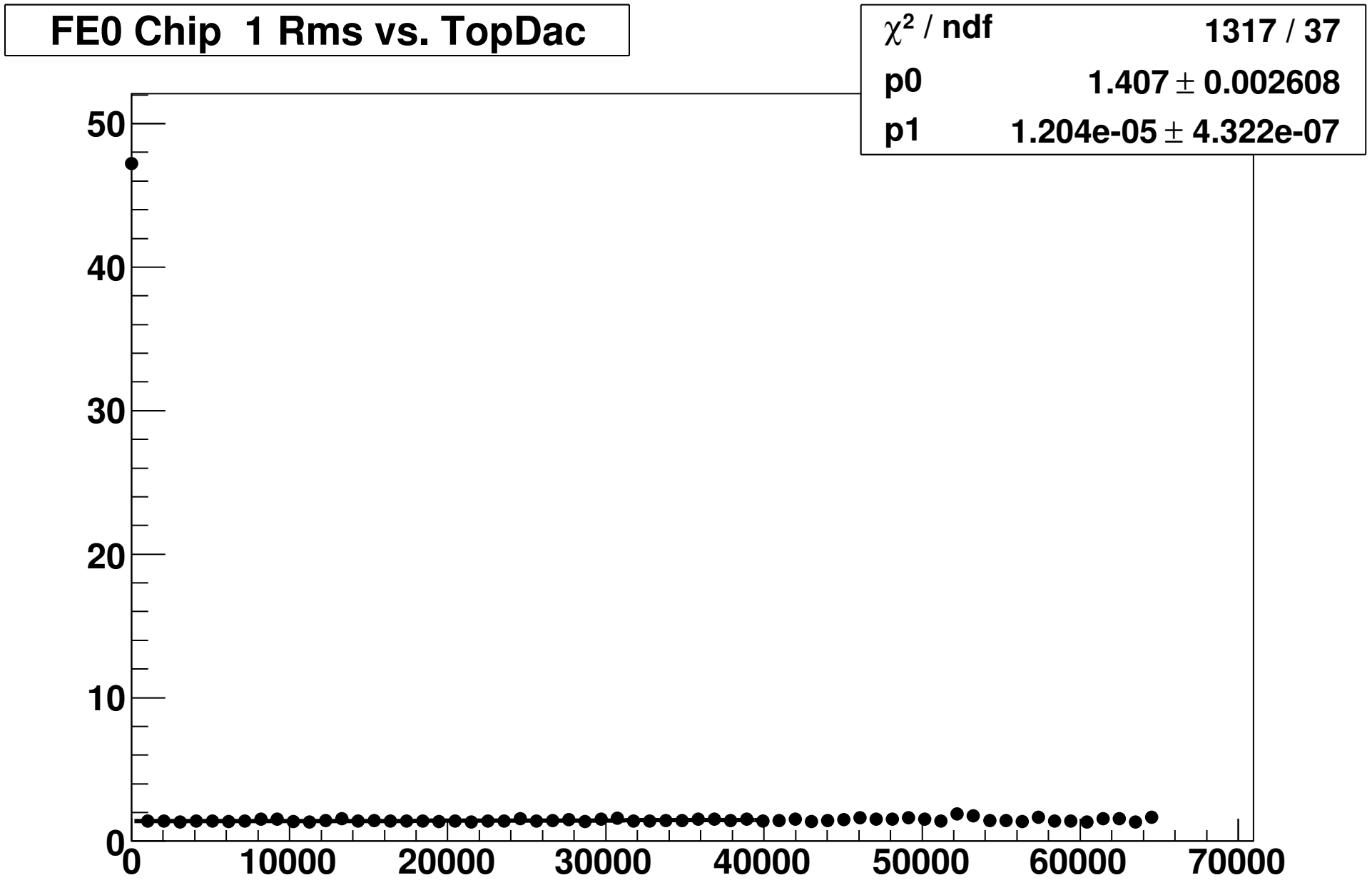
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 1317 / 37
p0 1.407 ± 0.002608
p1 1.204e-05 ± 4.322e-07
50
40
30
20
10
0
0
10000
20000
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40000
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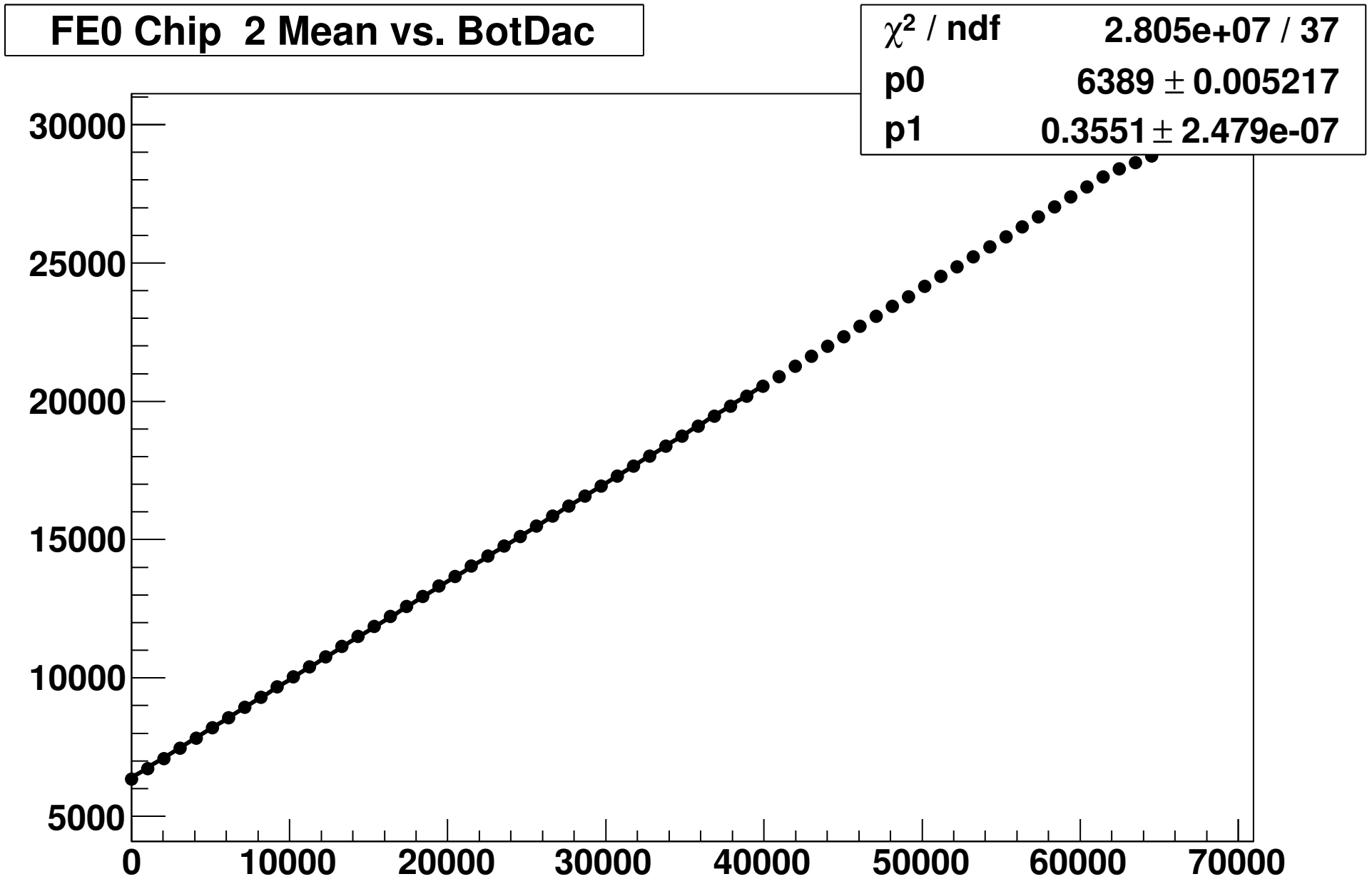
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 2.805e+07 / 37
p0 6389 ± 0.005217
p1 0.3551 ± 2.479e-07
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25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
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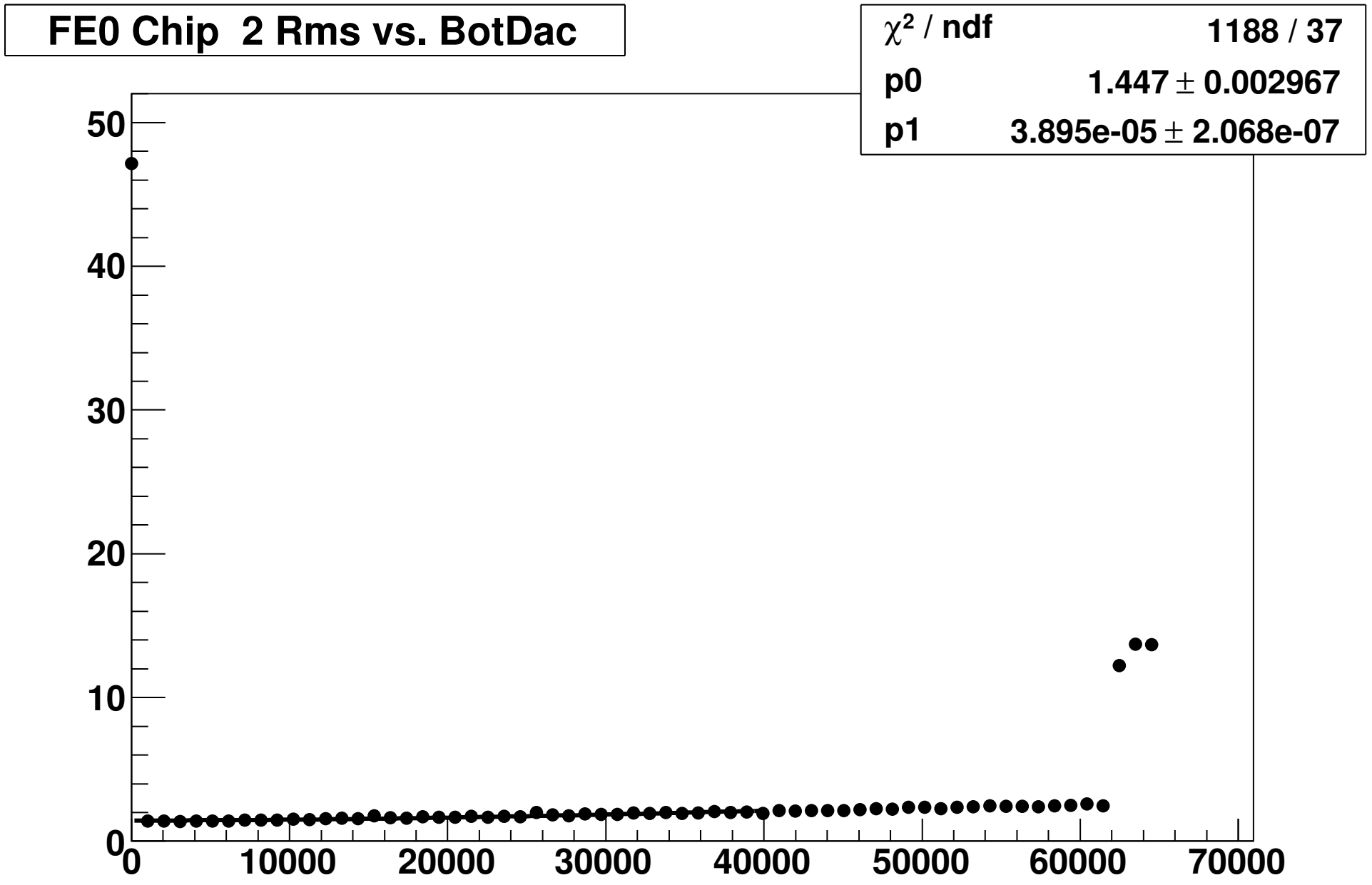
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1188 / 37
p0 1.447 ± 0.002967
p1 3.895e-05 ± 2.068e-07
50
40
30
20
10
0
0
10000
20000
30000
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50000
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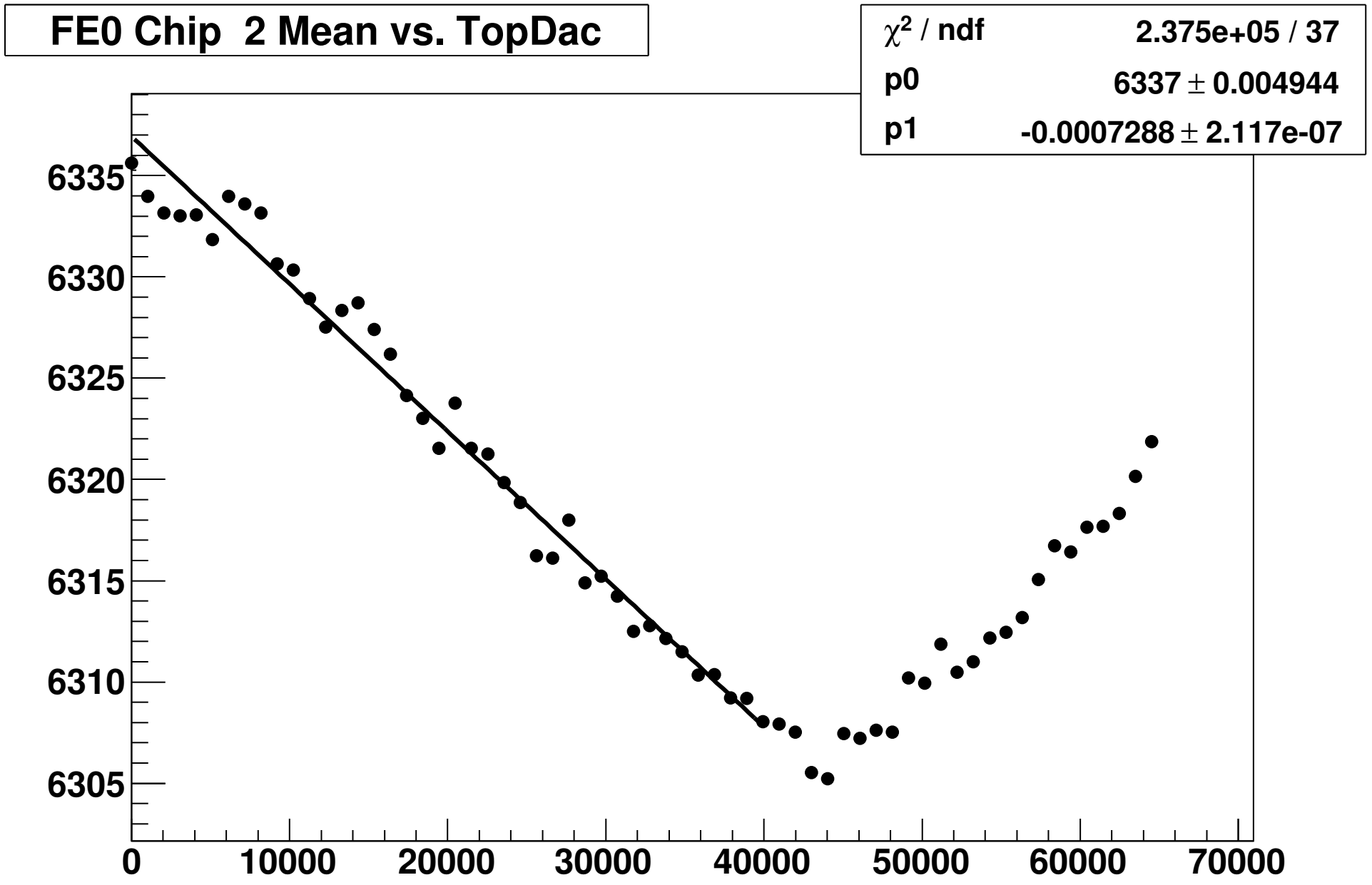
FE0 Chip 2 Mean vs. TopDac
χ² / ndf 2.375e+05 / 37
p0 6337 ± 0.004944
p1 -0.0007288 ± 2.117e-07
6335
6330
6325
6320
6315
6310
6305
0
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20000
30000
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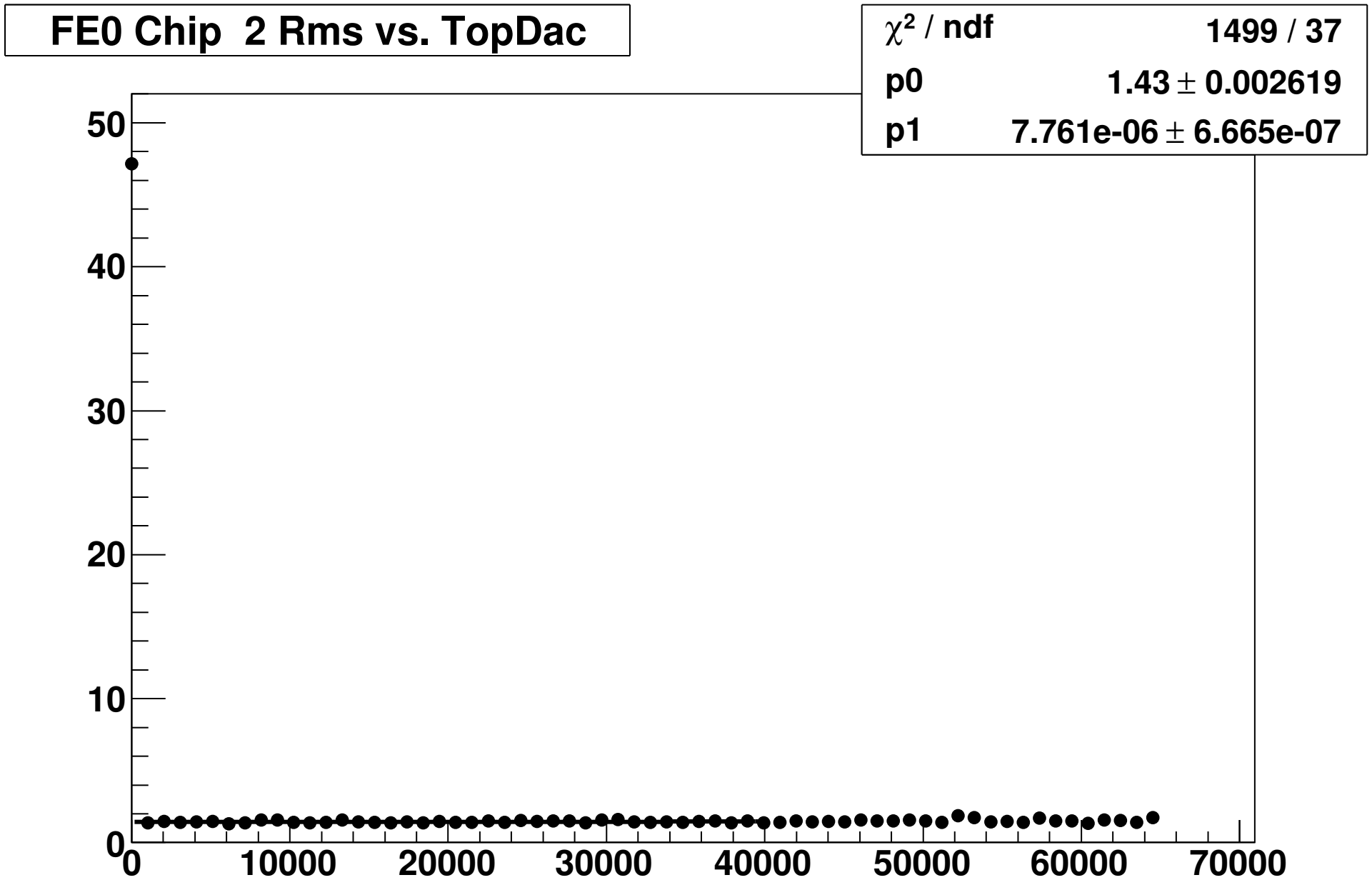
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 1499 / 37
p0 1.43 ± 0.002619
p1 7.761e-06 ± 6.665e-07
50
40
30
20
10
0
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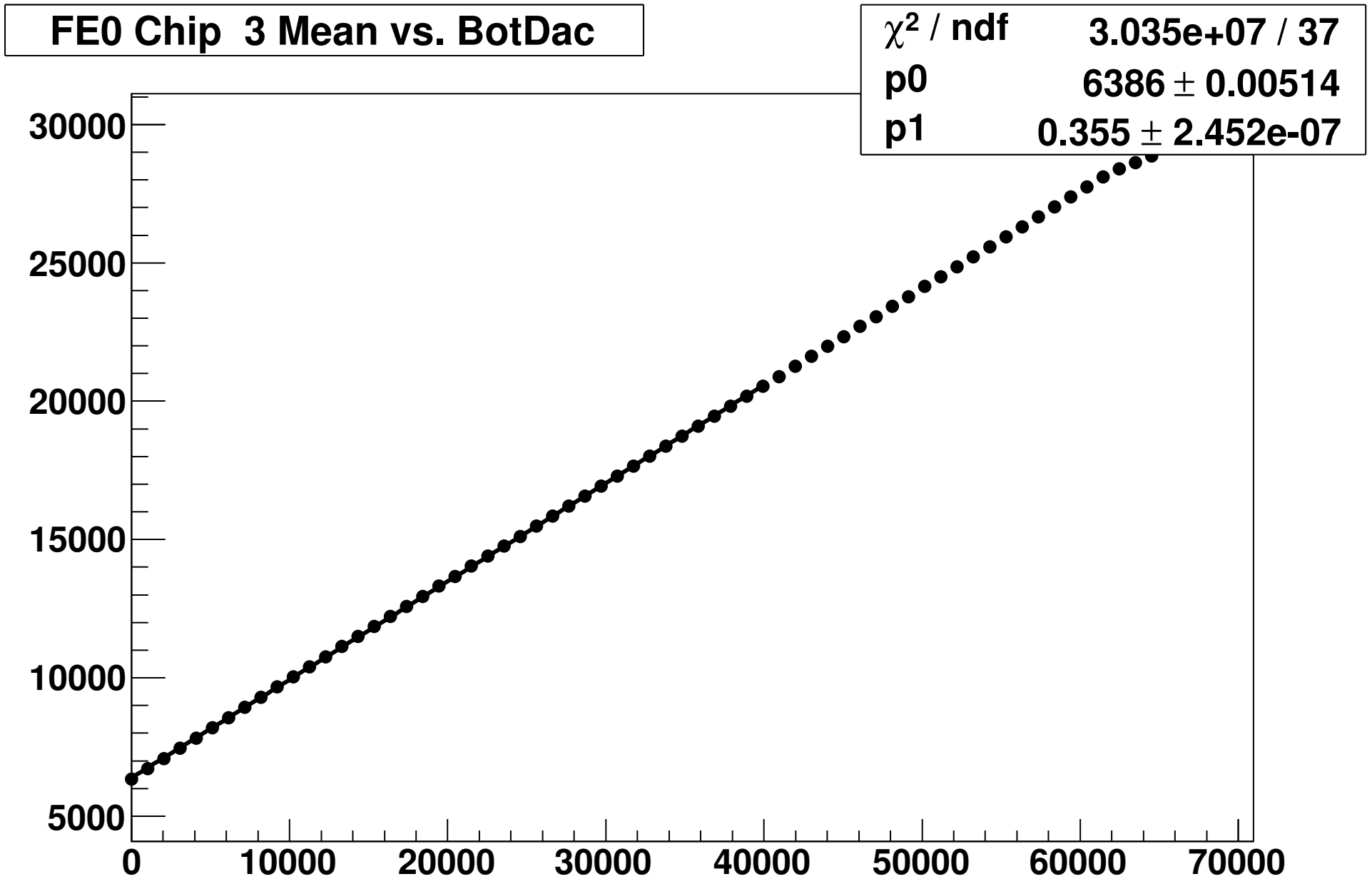
FE0 Chip 3 Mean vs. BotDac
χ² / ndf 3.035e+07 / 37
p0 6386 ± 0.00514
p1 0.355 ± 2.452e-07
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25000
20000
15000
10000
5000
0
10000
20000
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60000
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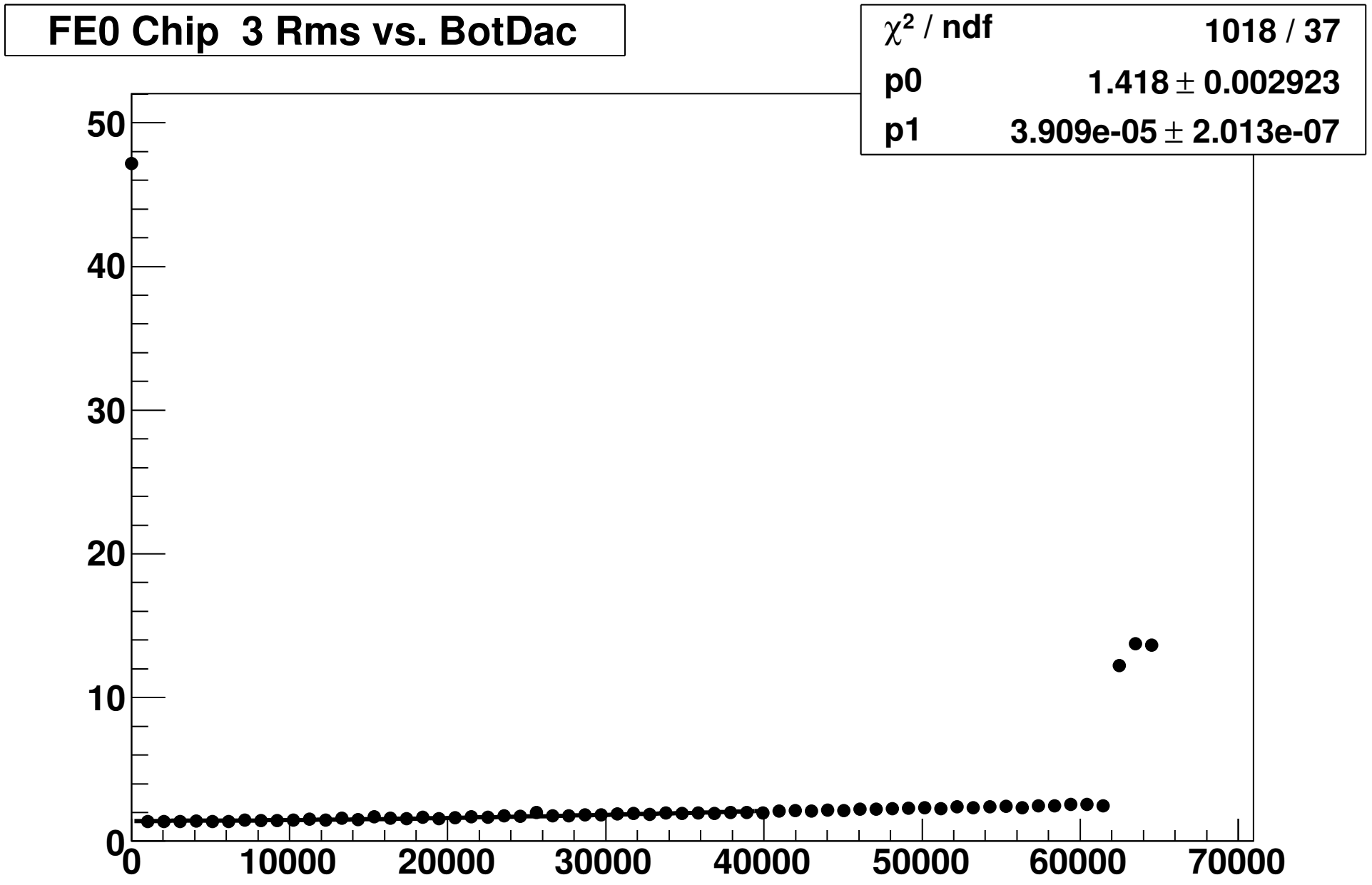
FE0 Chip 3 Rms vs. BotDac
χ² / ndf 1018 / 37
p0 1.418 ± 0.002923
p1 3.909e-05 ± 2.013e-07
50
40
30
20
10
0
0
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20000
30000
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50000
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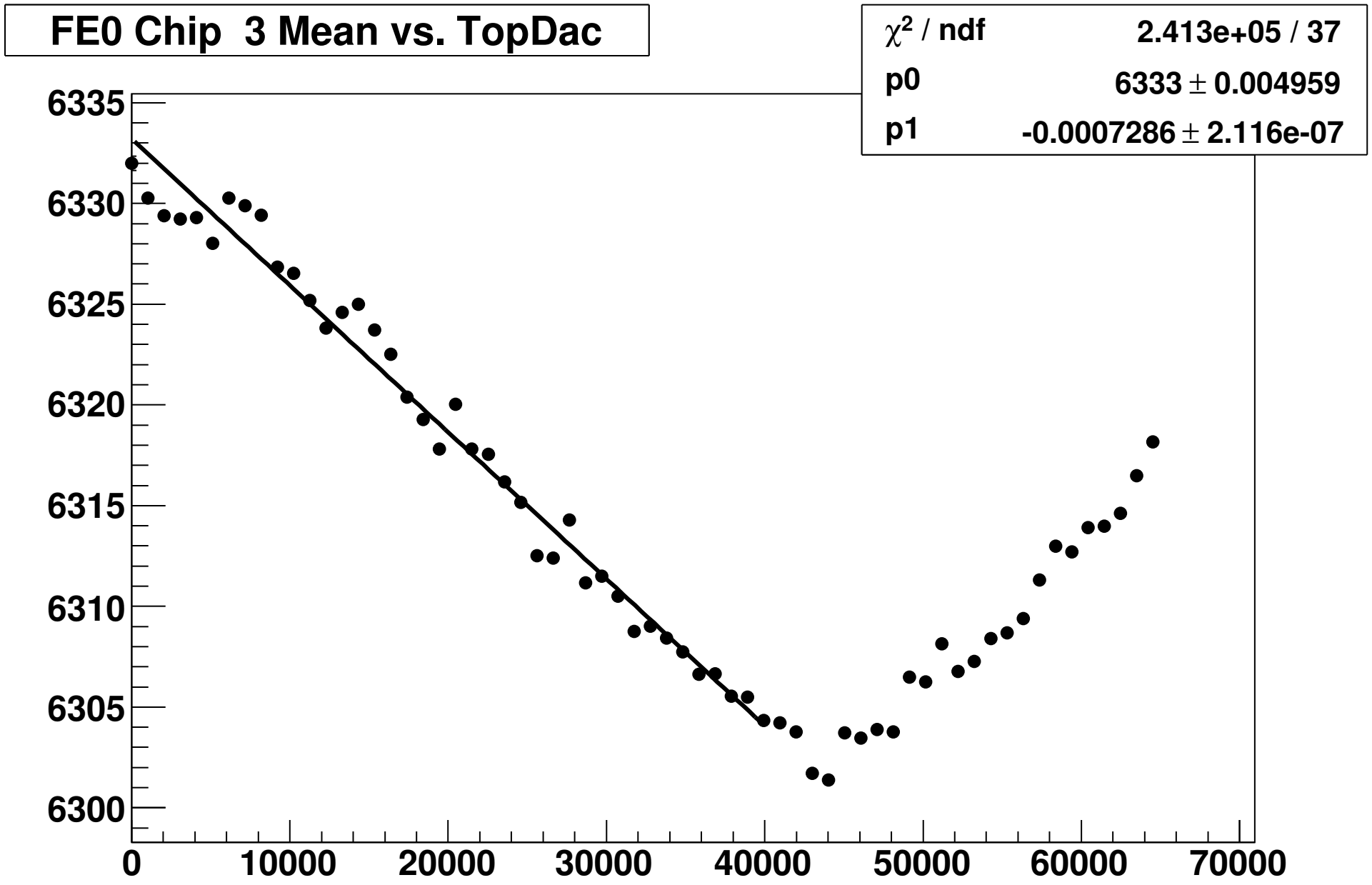
FE0 Chip 3 Mean vs. TopDac
χ² / ndf 2.413e+05 / 37
p0 6333 ± 0.004959
p1 -0.0007286 ± 2.116e-07
6335
6330
6325
6320
6315
6310
6305
6300
0
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20000
30000
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50000
60000
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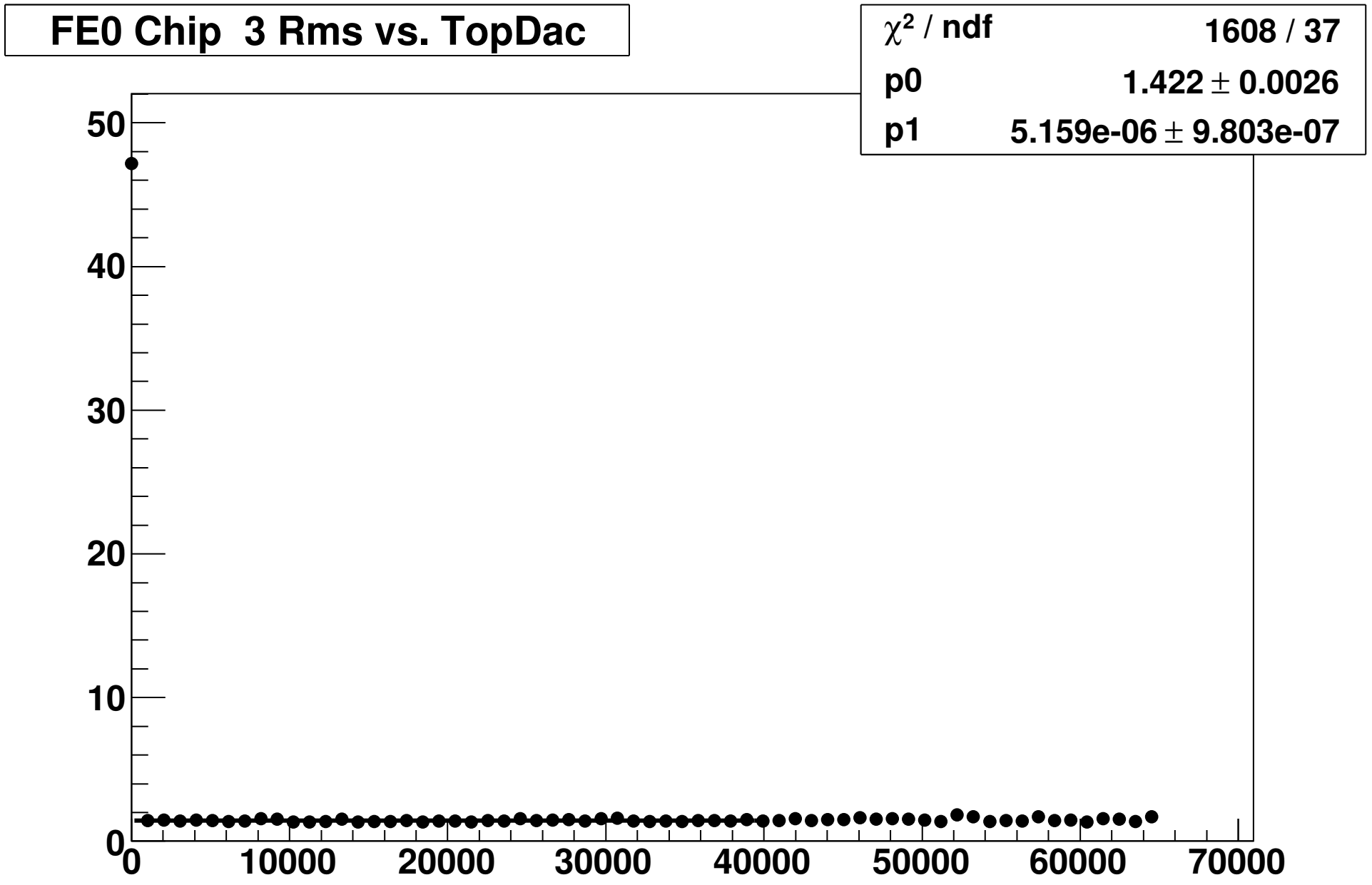
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 1608 / 37
p0 1.422 ± 0.0026
p1 5.159e-06 ± 9.803e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
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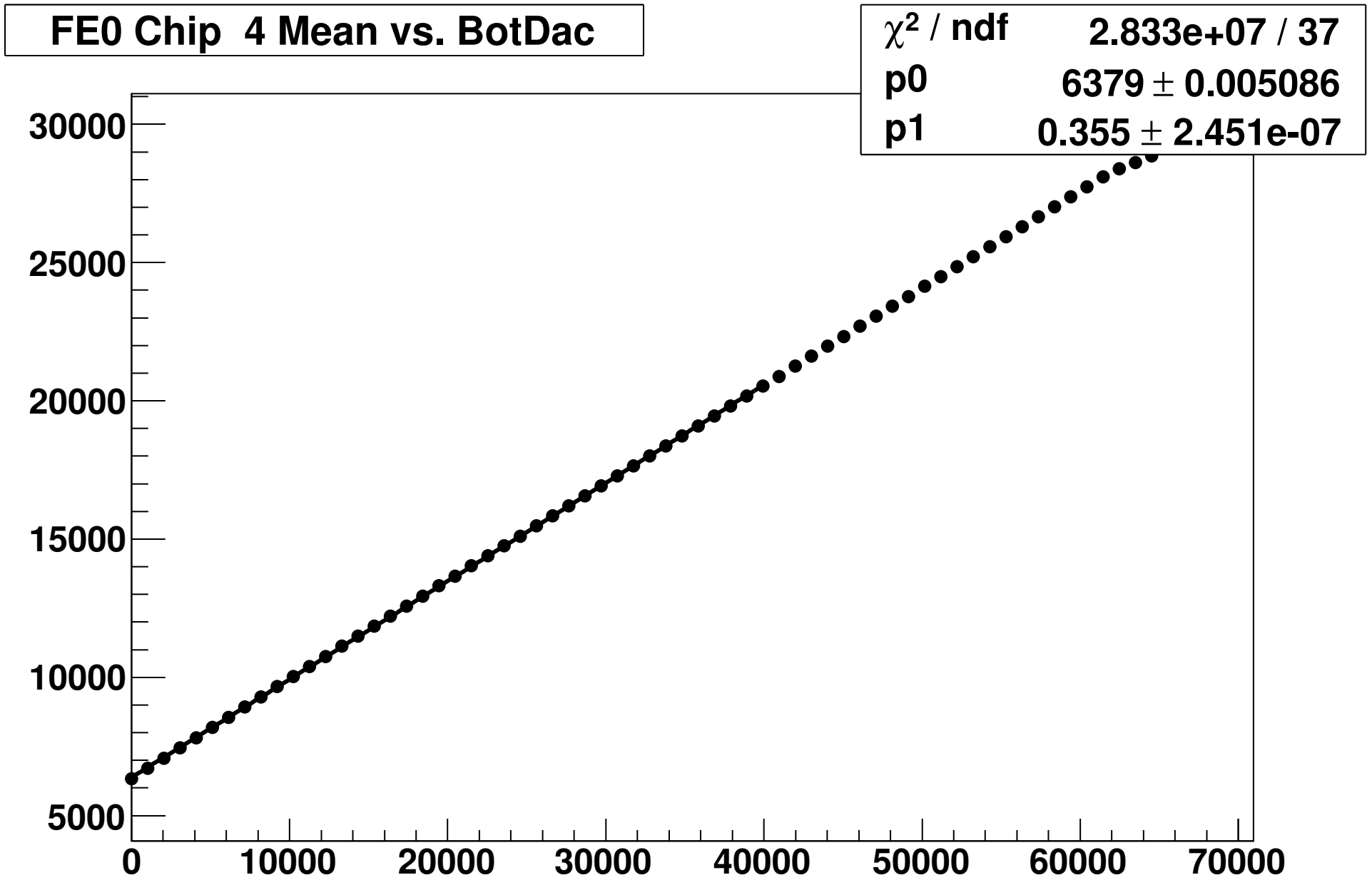
FE0 Chip 4 Mean vs. BotDac
χ² / ndf 2.833e+07 / 37
p0 6379 ± 0.005086
p1 0.355 ± 2.451e-07
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25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
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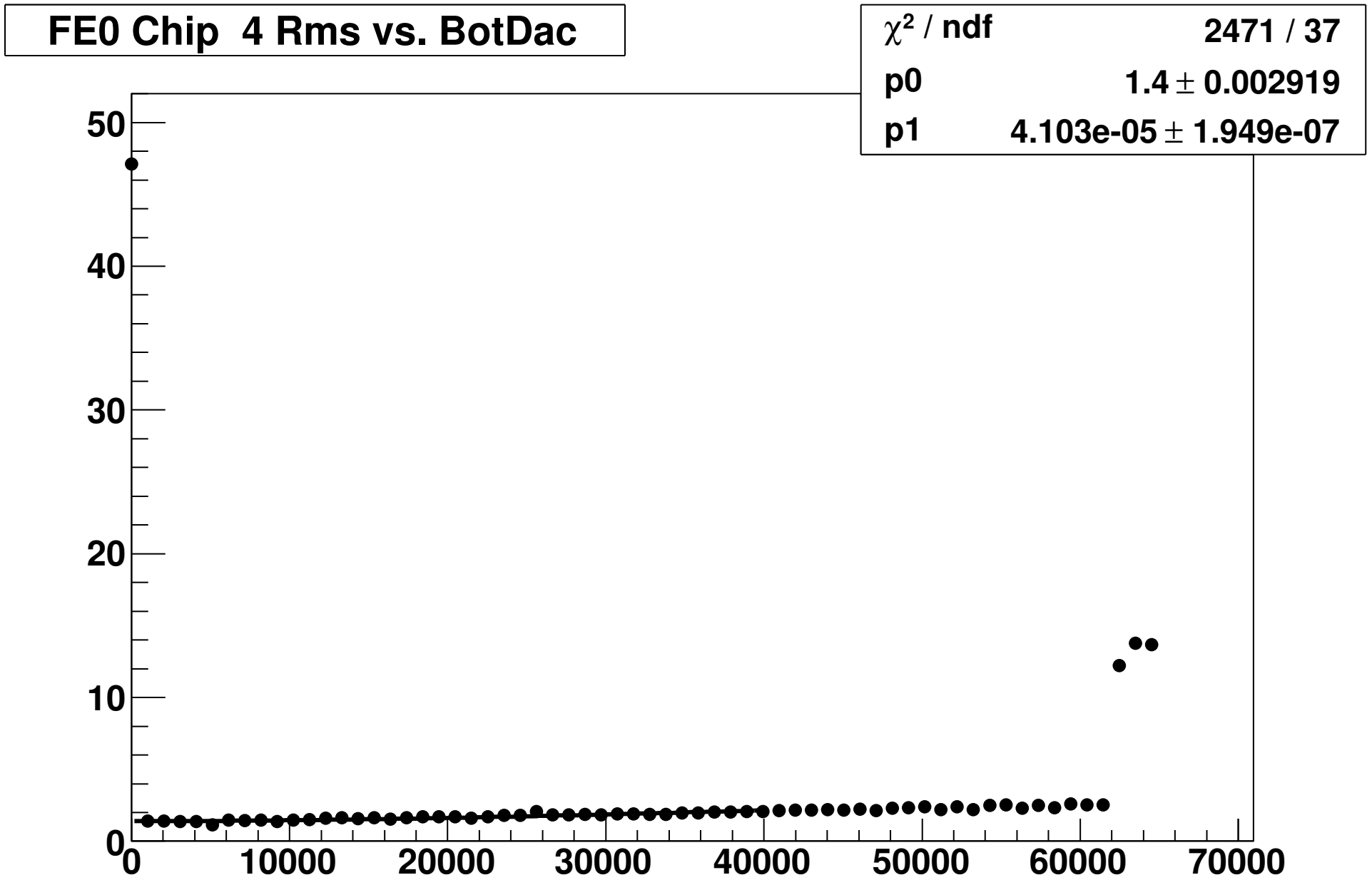
FE0 Chip 4 Rms vs. BotDac
χ² / ndf 2471 / 37
p0 1.4 ± 0.002919
p1 4.103e-05 ± 1.949e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
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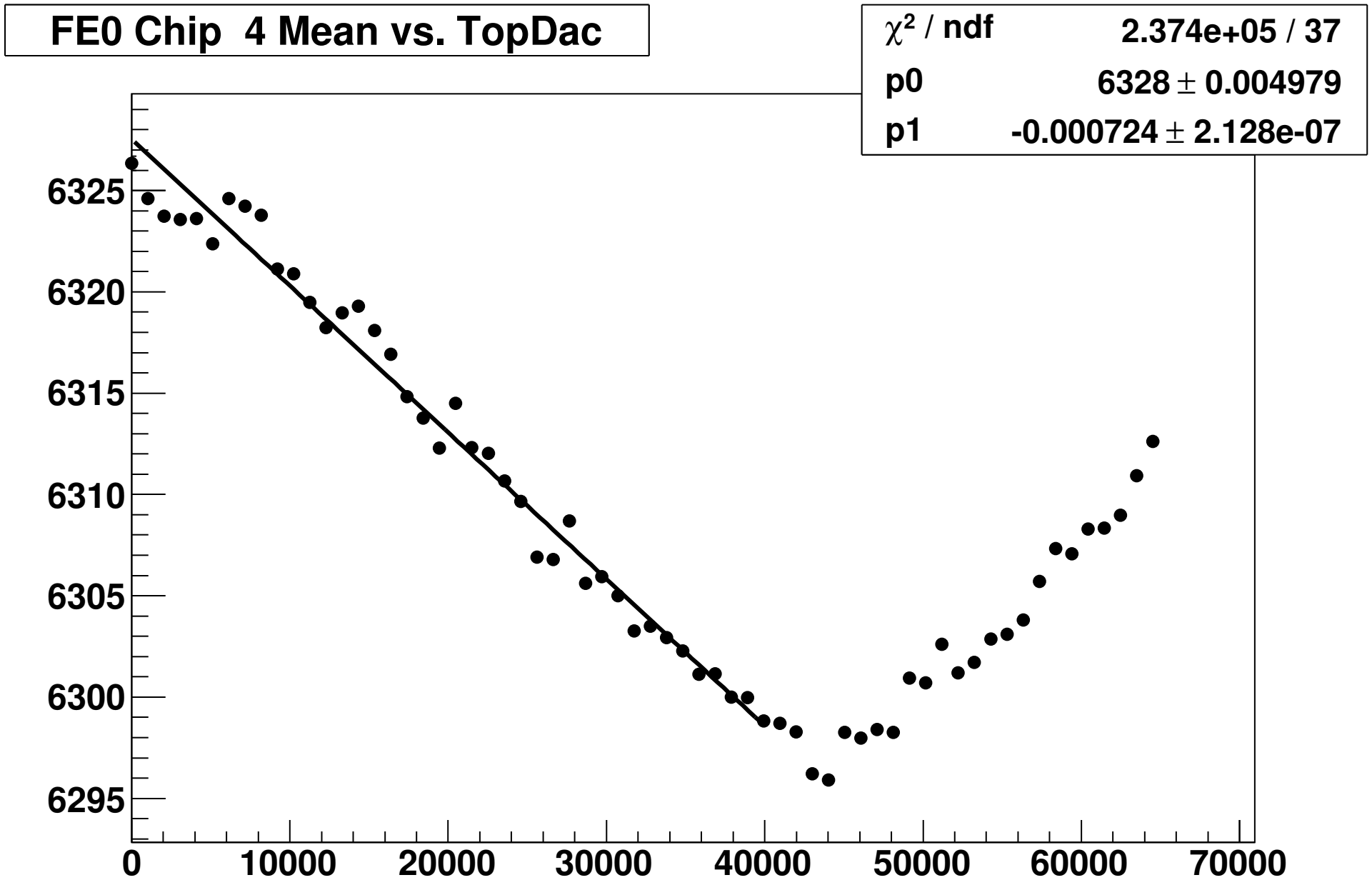
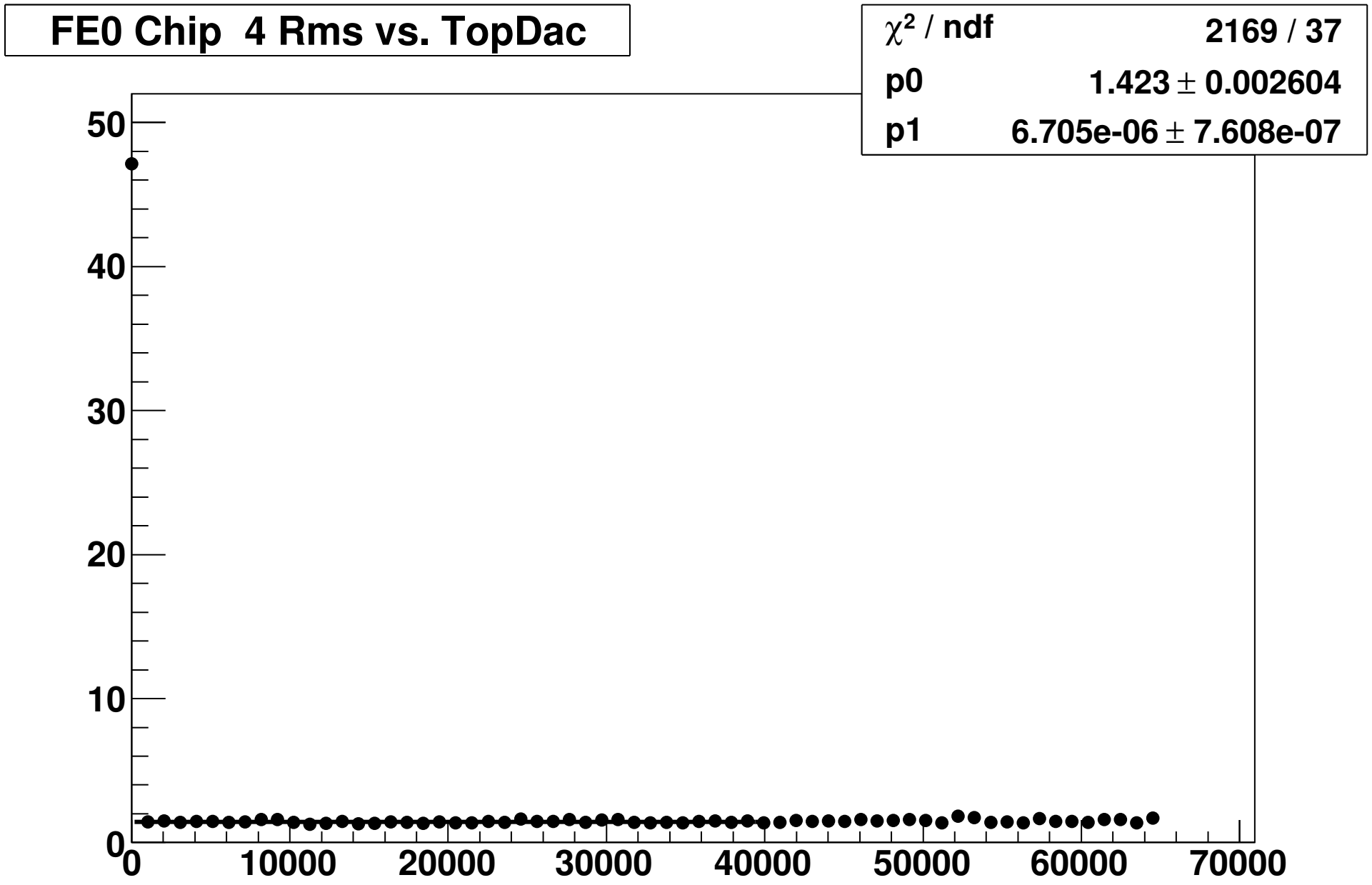
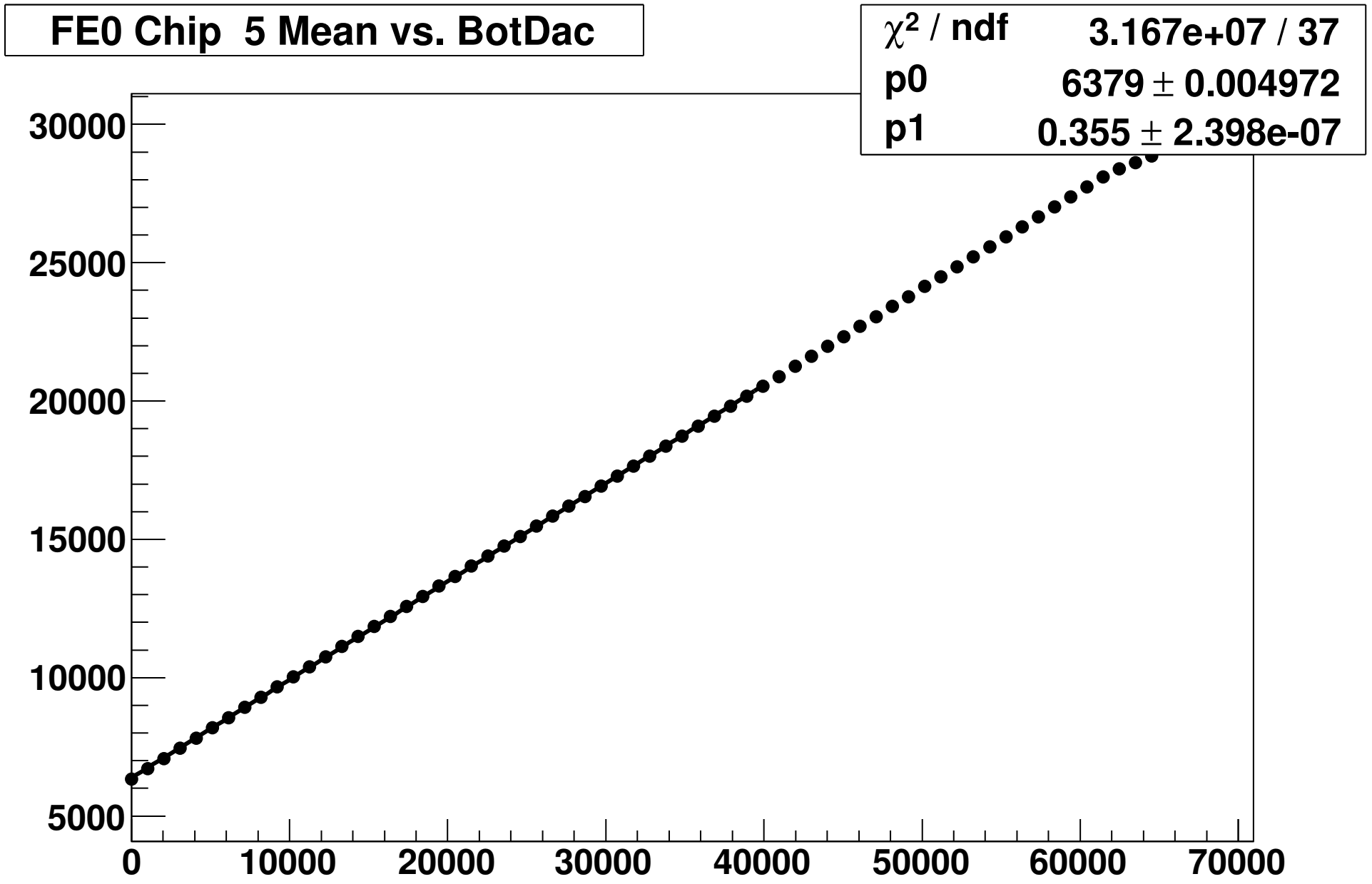

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 2.374e+05 / 37
p0 6328 ± 0.004979
p1 -0.000724 ± 2.128e-07
6325
6320
6315
6310
6305
6300
6295
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 2169 / 37
p0 1.423 ± 0.002604
p1 6.705e-06 ± 7.608e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 3.167e+07 / 37
p0 6379 ± 0.004972
p1 0.355 ± 2.398e-07
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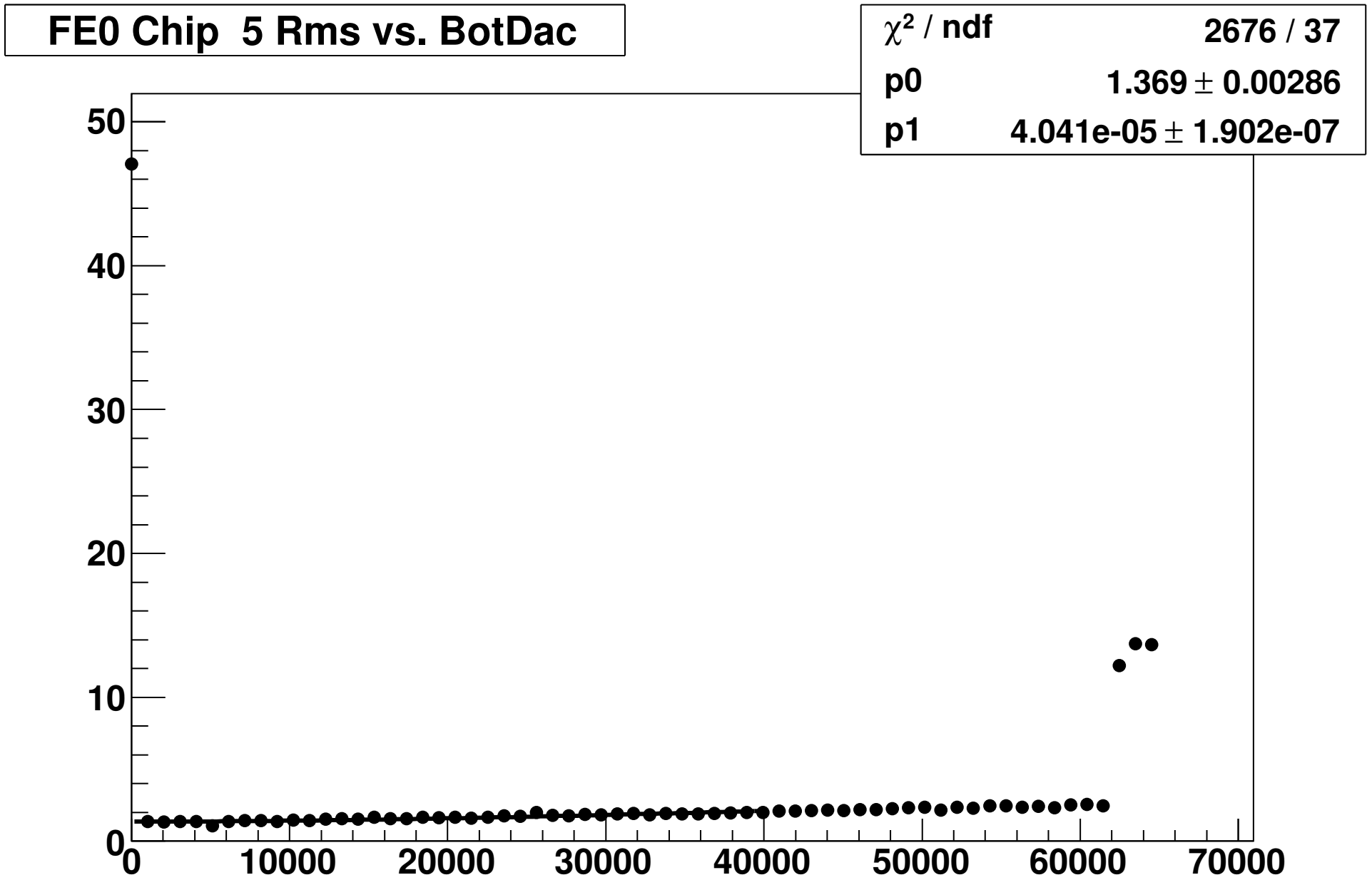
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 2676 / 37
p0 1.369 ± 0.00286
p1 4.041e-05 ± 1.902e-07
50
40
30
20
10
0
0
10000
20000
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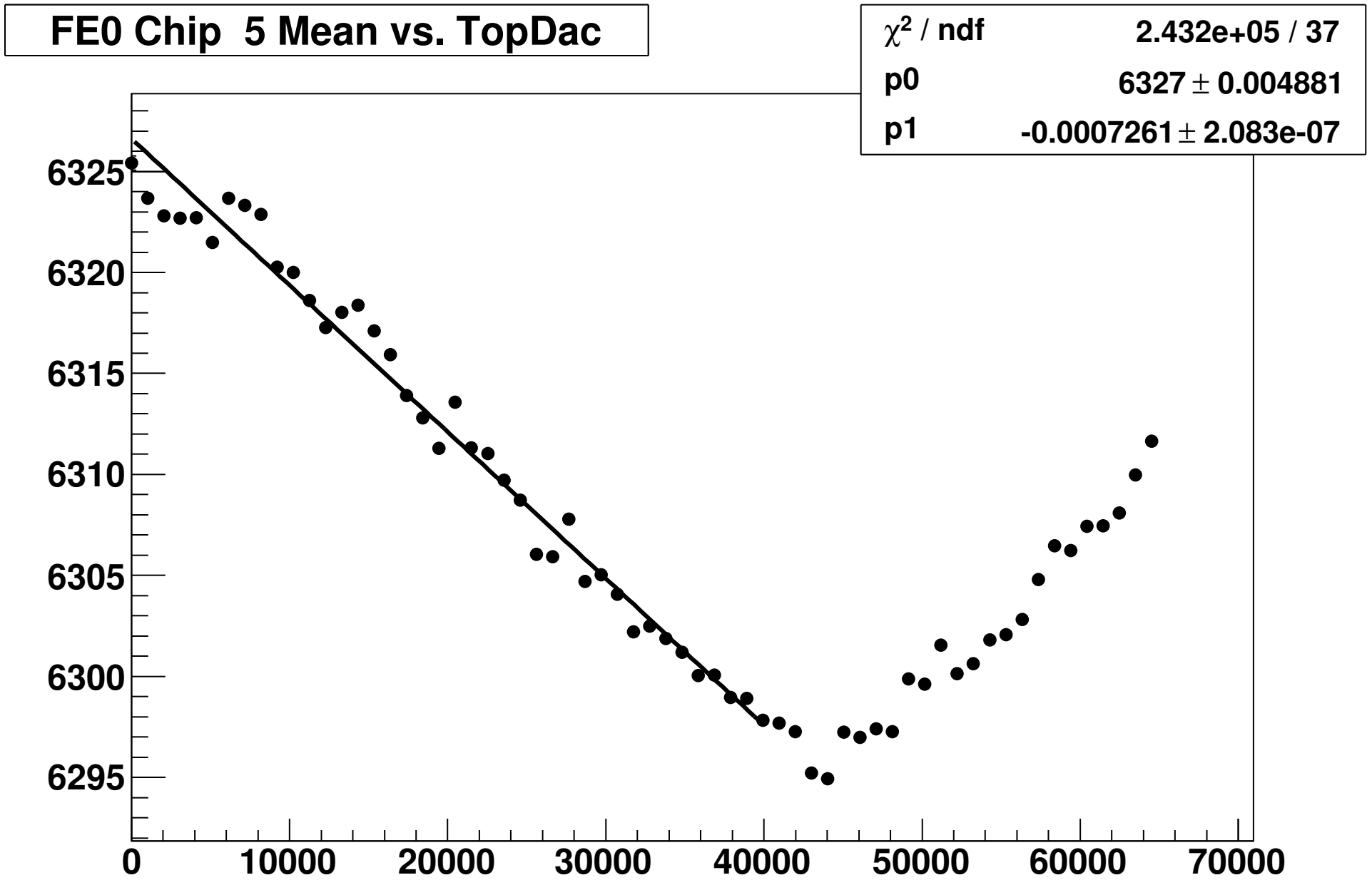
FE0 Chip 5 Mean vs. TopDac
χ² / ndf 2.432e+05 / 37
p0 6327 ± 0.004881
p1 -0.0007261 ± 2.083e-07
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6320
6315
6310
6305
6300
6295
0
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20000
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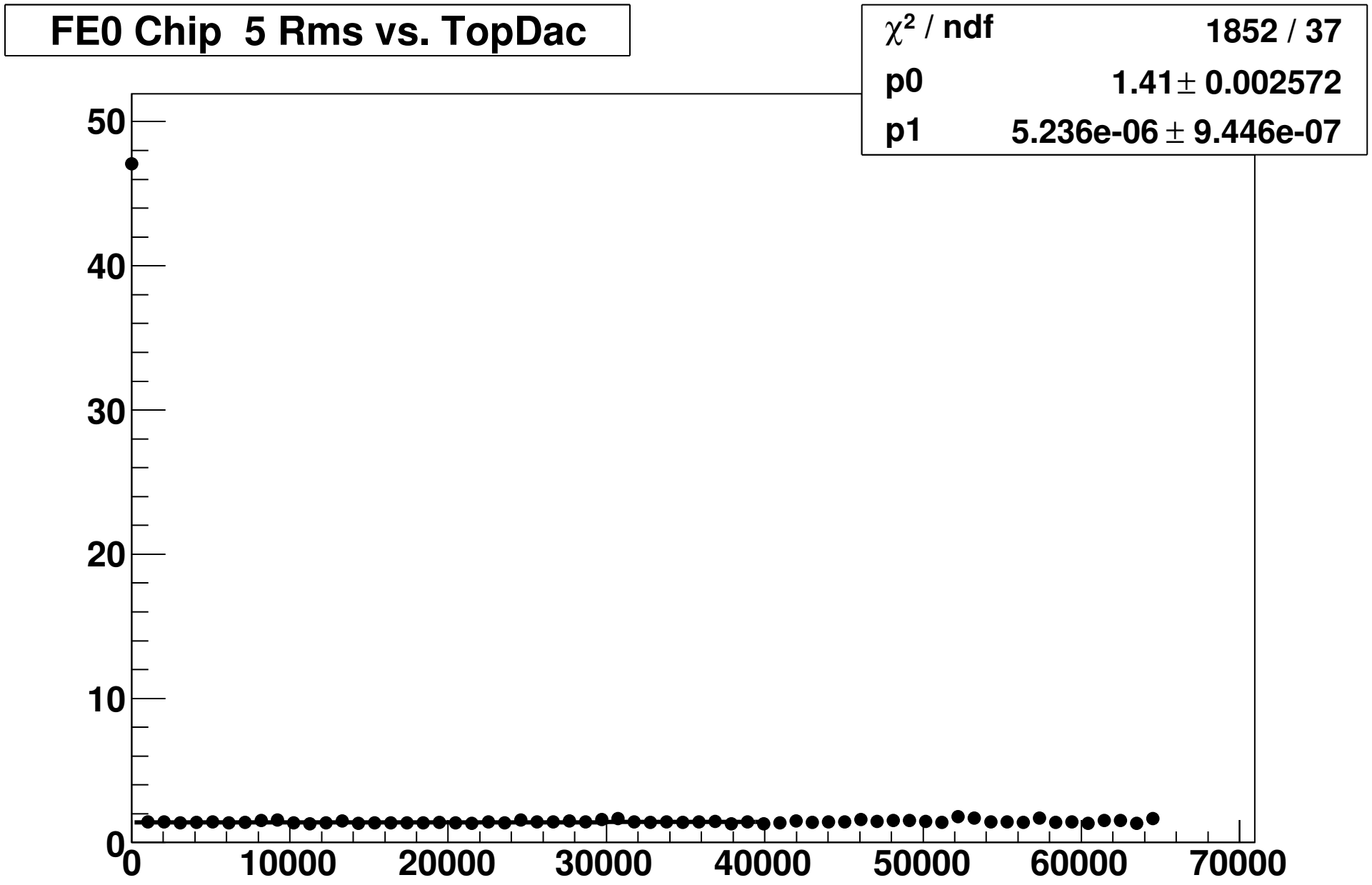
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 1852 / 37
p0 1.41 ± 0.002572
p1 5.236e-06 ± 9.446e-07
50
40
30
20
10
0
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10000
20000
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50000
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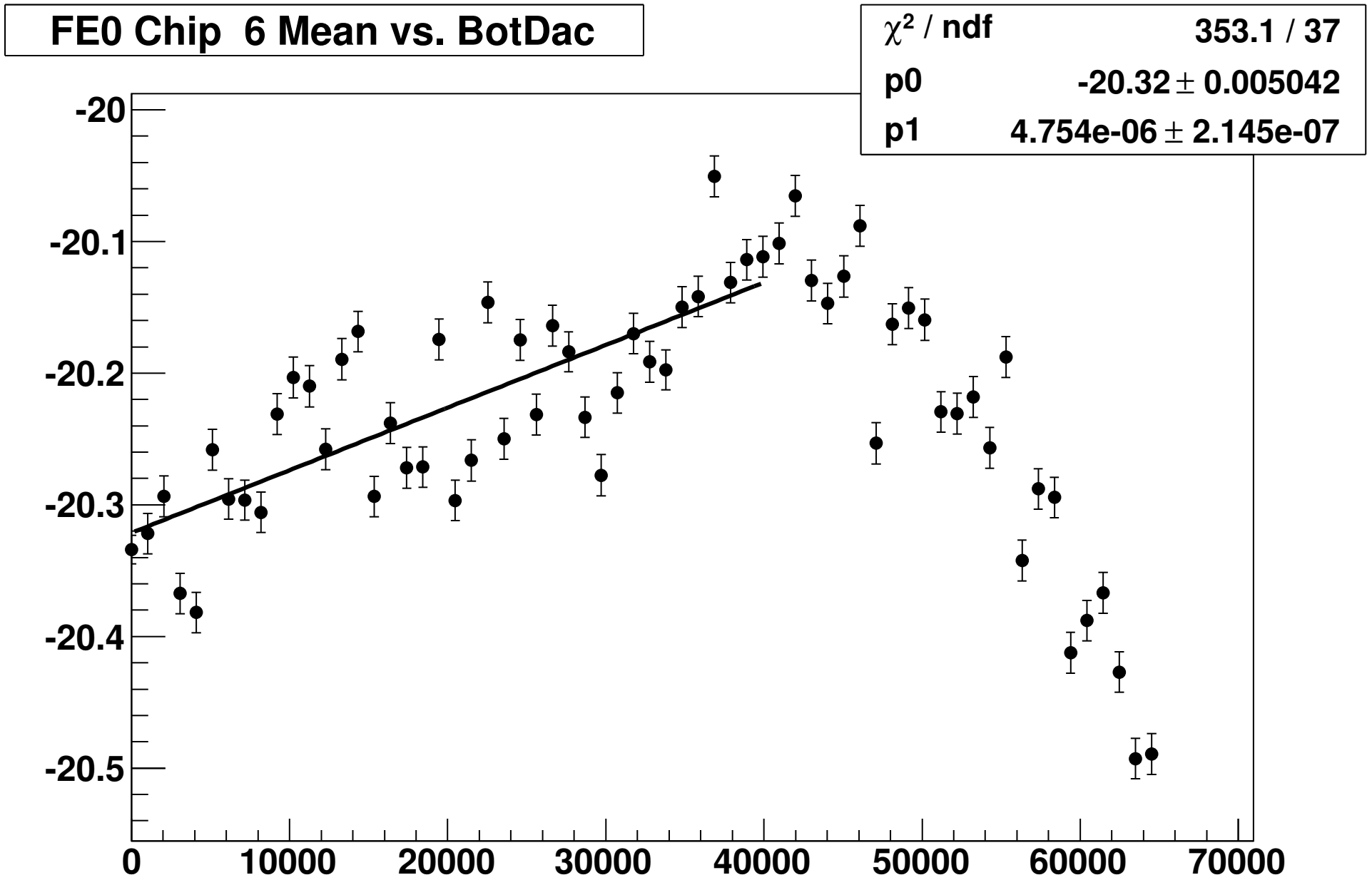
FE0 Chip 6 Mean vs. BotDac
χ² / ndf 353.1 / 37
p0 -20.32 ± 0.005042
p1 4.754e-06 ± 2.145e-07
-20
-20.1
-20.2
-20.3
-20.4
-20.5
0
10000
20000
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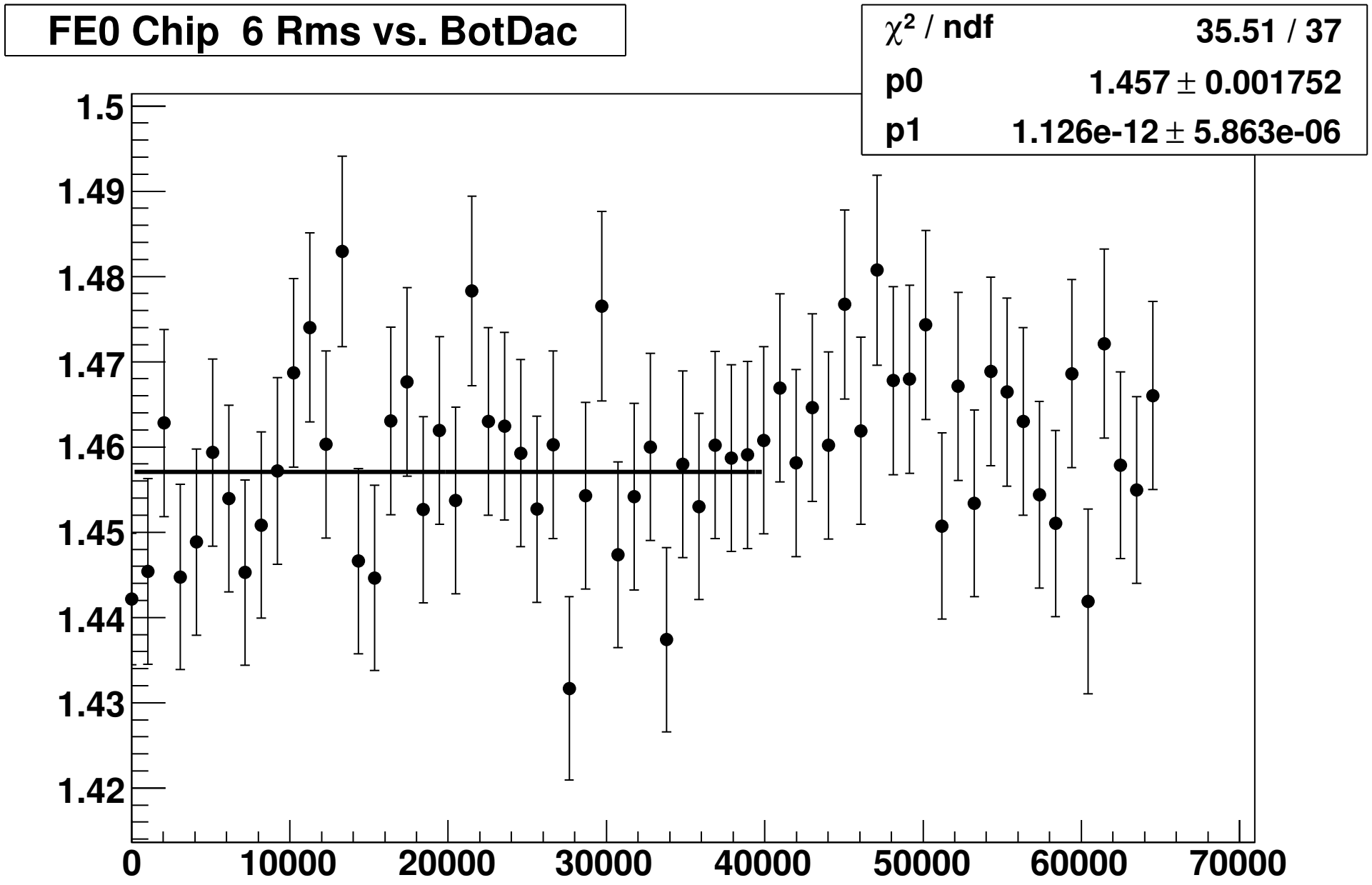
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 35.51 / 37
p0 1.457 ± 0.001752
p1 1.126e-12 ± 5.863e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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20000
30000
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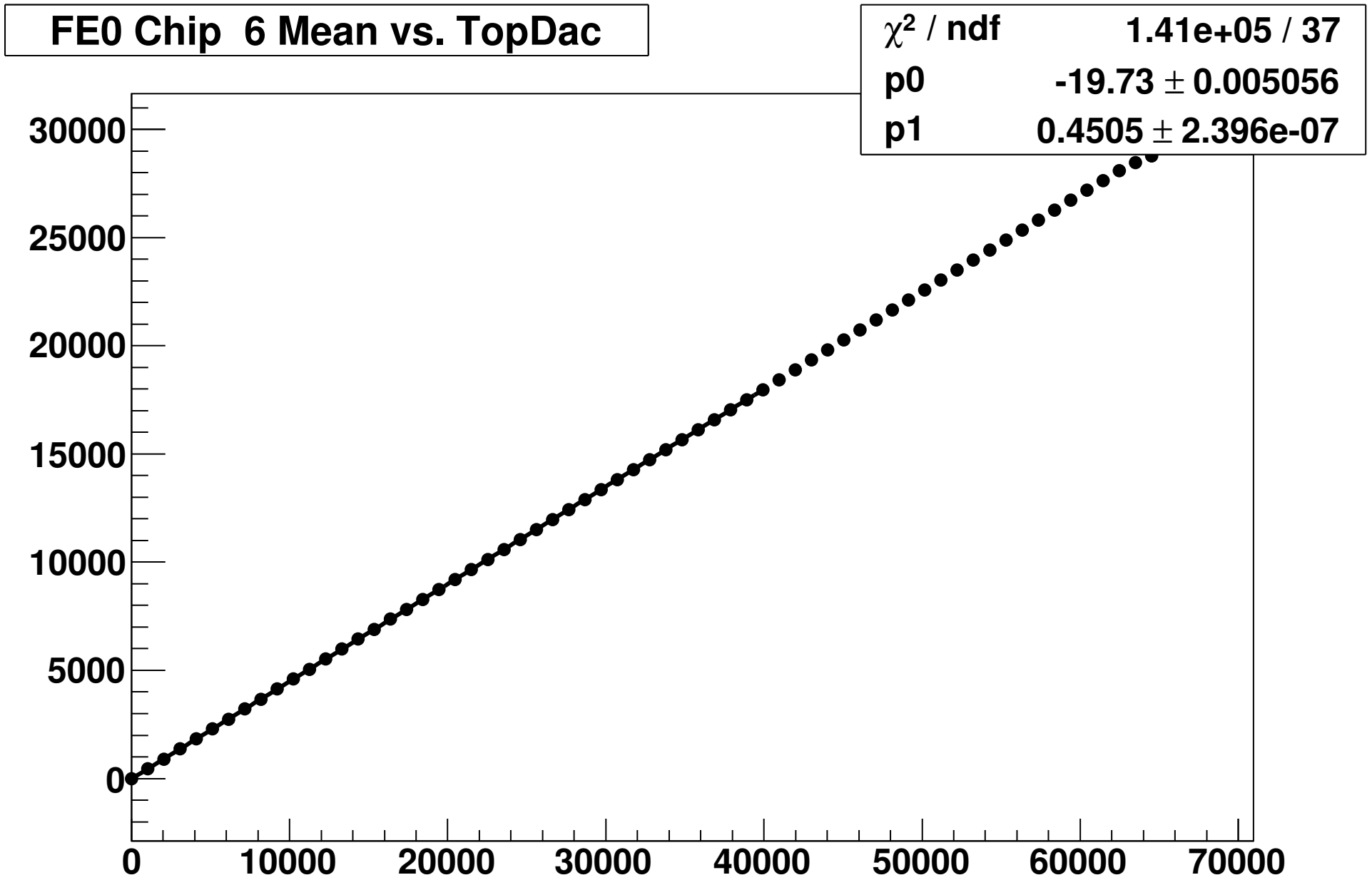
FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.41e+05 / 37
p0 -19.73 ± 0.005056
p1 0.4505 ± 2.396e-07
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20000
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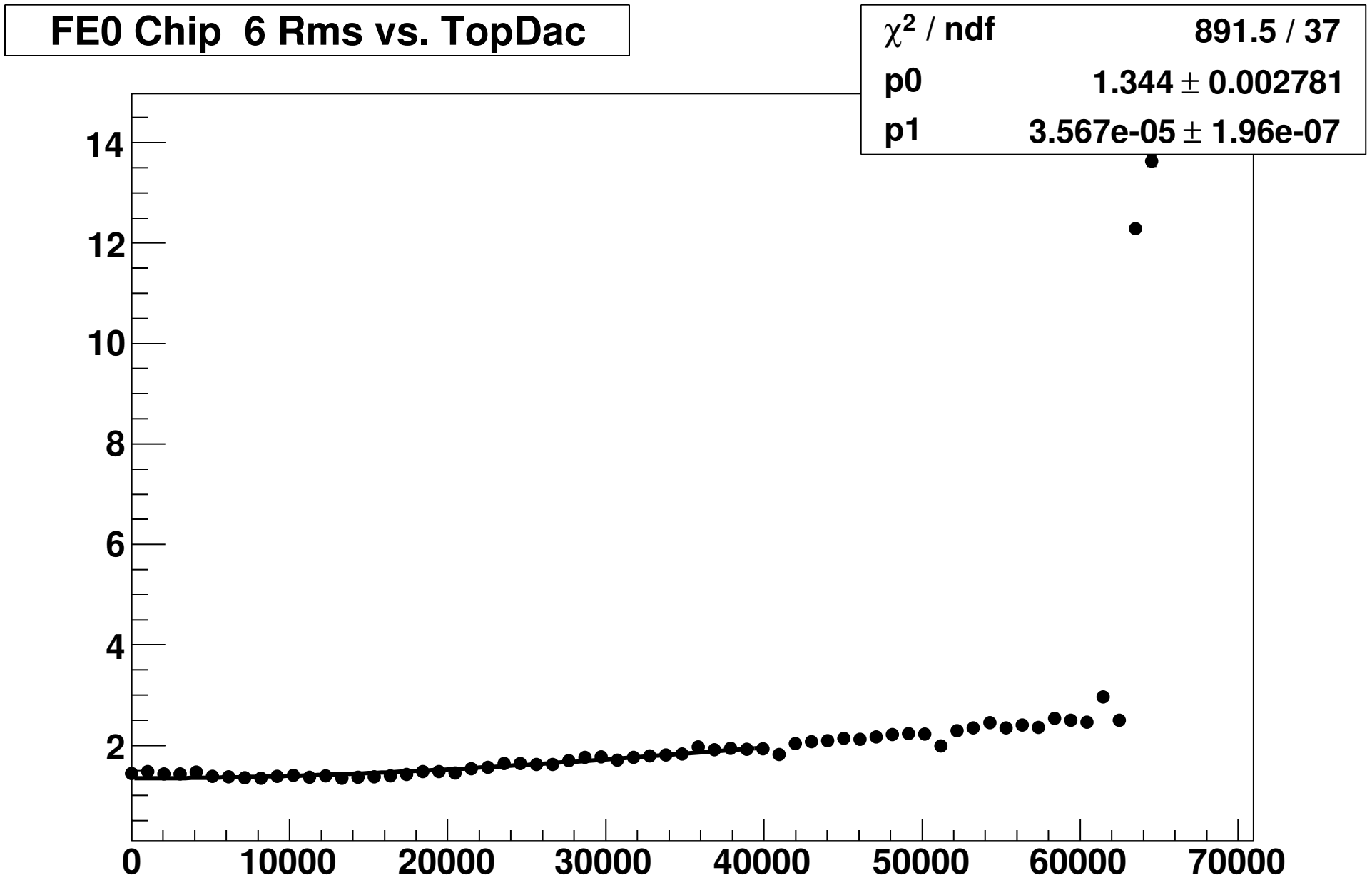
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 891.5 / 37
p0 1.344 ± 0.002781
p1 3.567e-05 ± 1.96e-07
14
12
10
8
6
4
2
0
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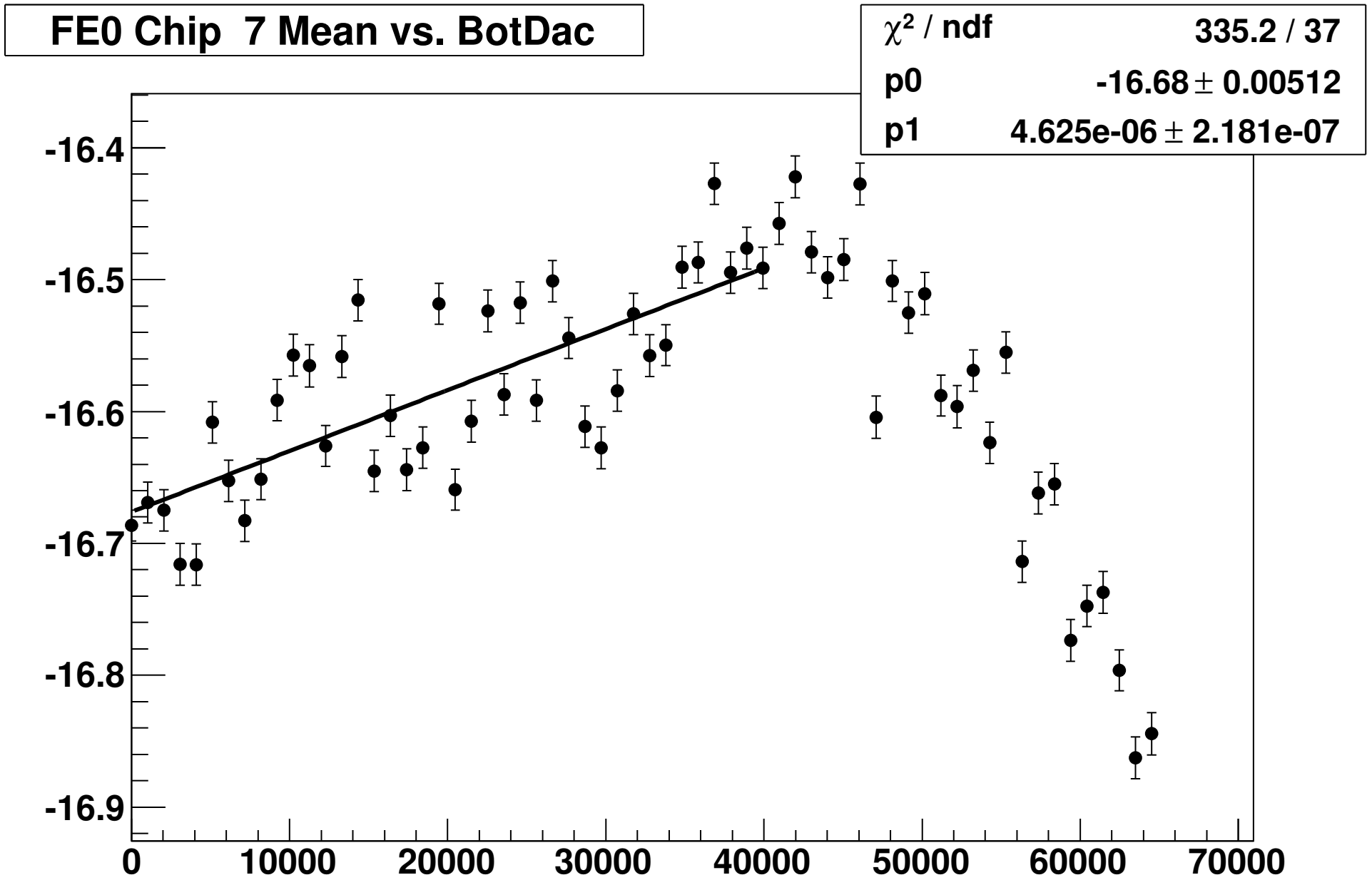
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 335.2 / 37
p0 -16.68 ± 0.00512
p1 4.625e-06 ± 2.181e-07
-16.4
-16.5
-16.6
-16.7
-16.8
-16.9
0
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20000
30000
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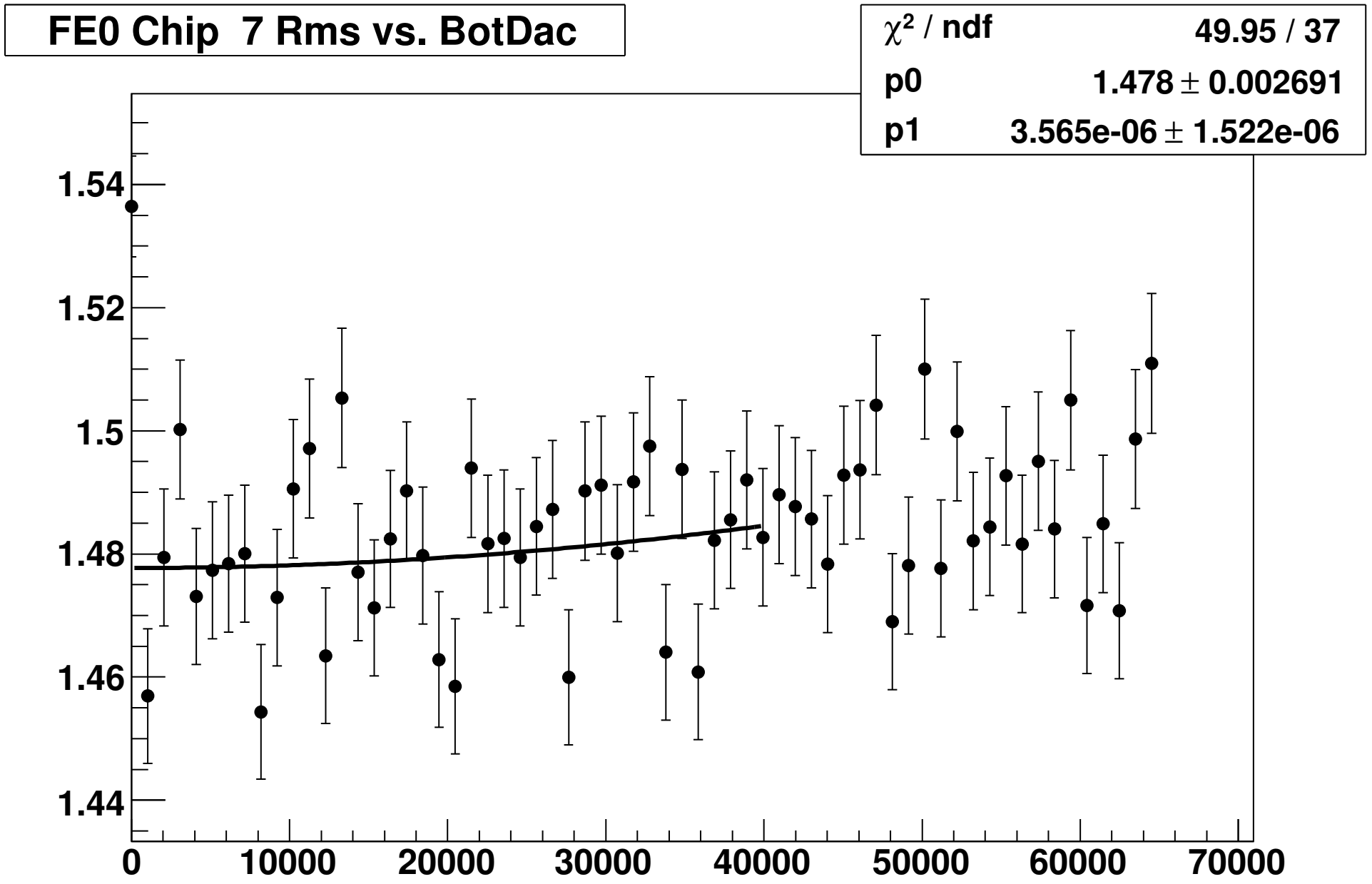
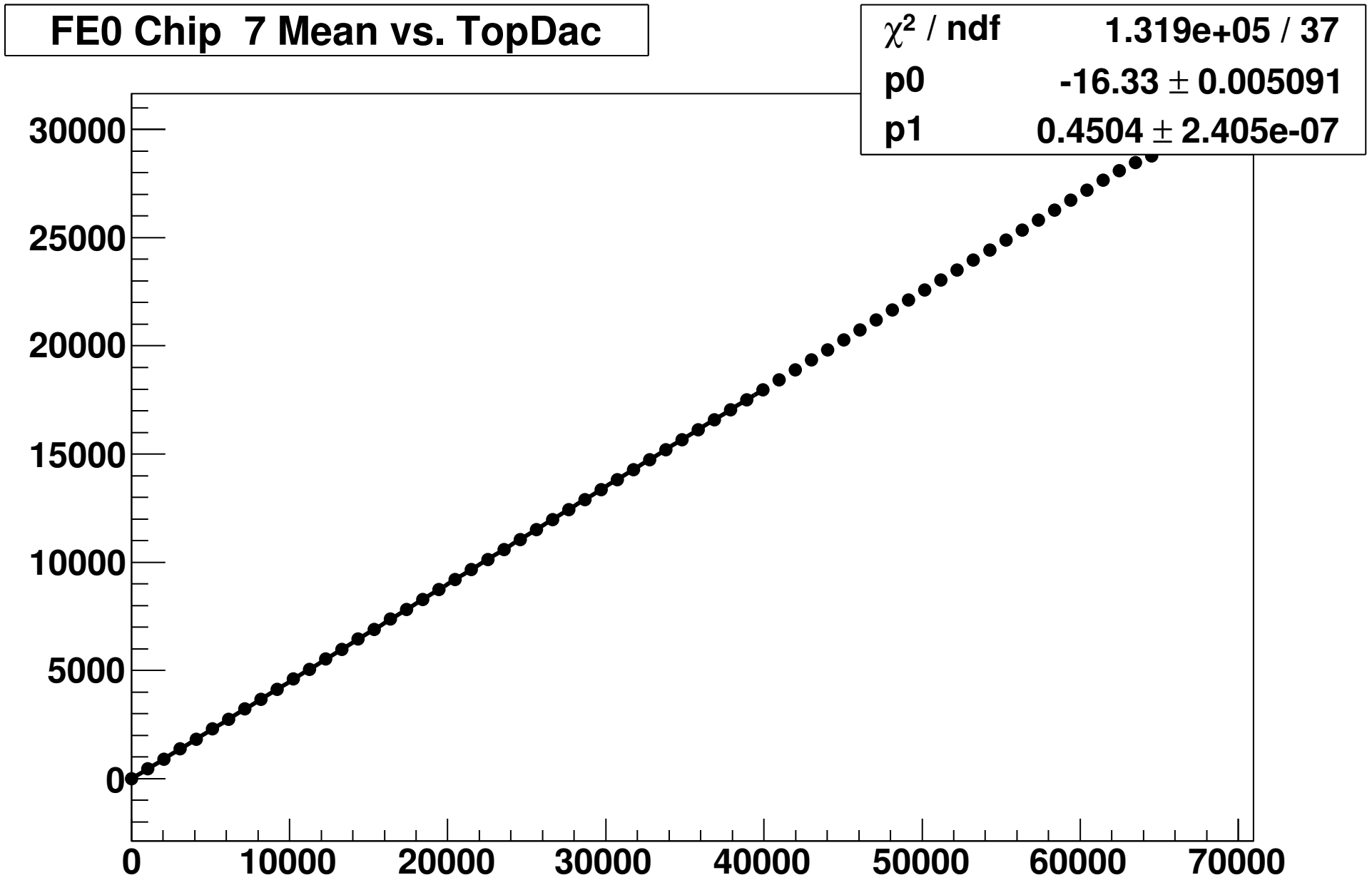
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 49.95 / 37
p0 1.478 ± 0.002691
p1 3.565e-06 ± 1.522e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.319e+05 / 37
p0 -16.33 ± 0.005091
p1 0.4504 ± 2.405e-07
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15000
10000
5000
0
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10000
20000
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40000
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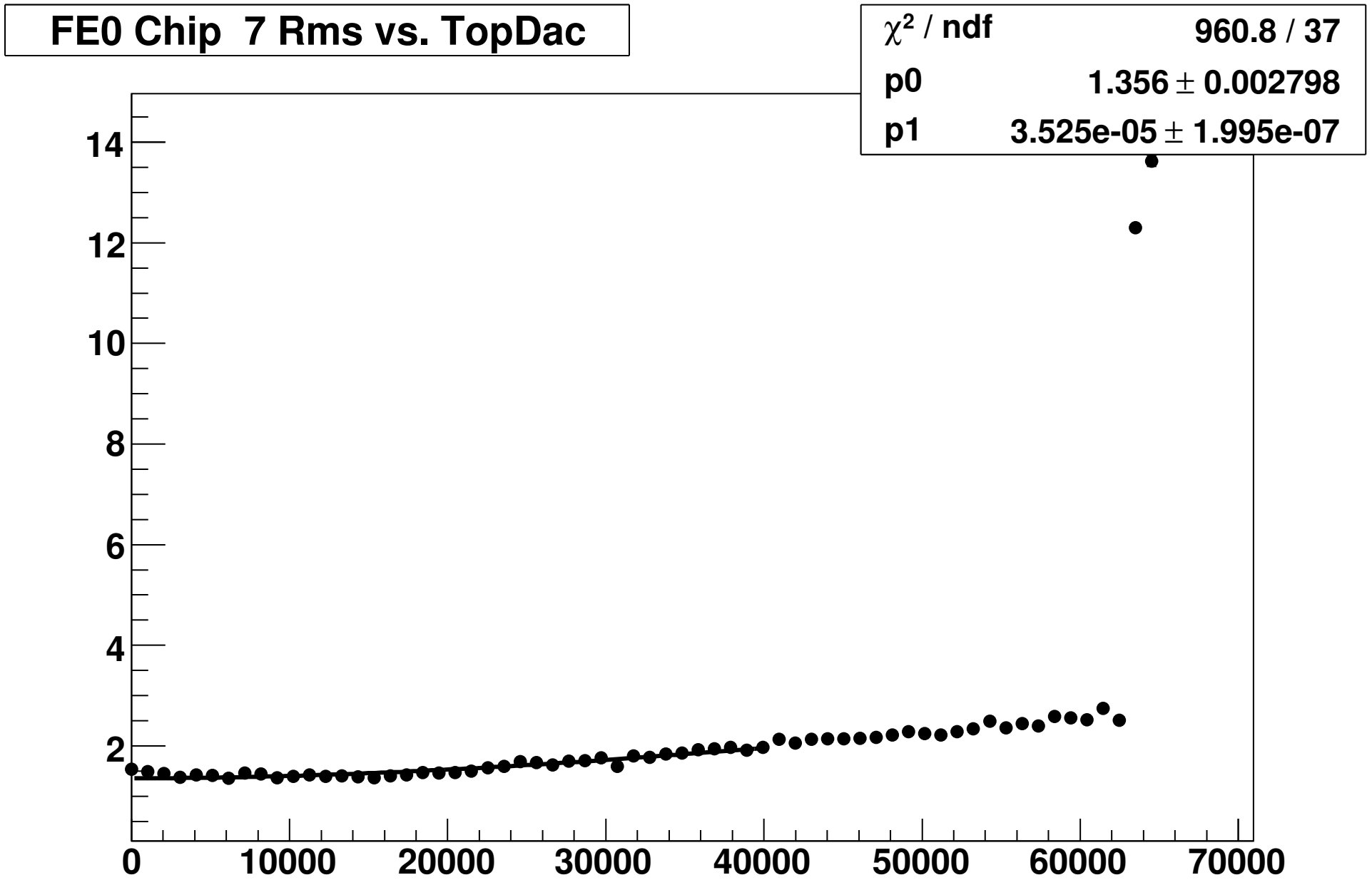
FE0 Chip 7 Rms vs. TopDac
χ² / ndf 960.8 / 37
p0 1.356 ± 0.002798
p1 3.525e-05 ± 1.995e-07
14
12
10
8
6
4
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20000
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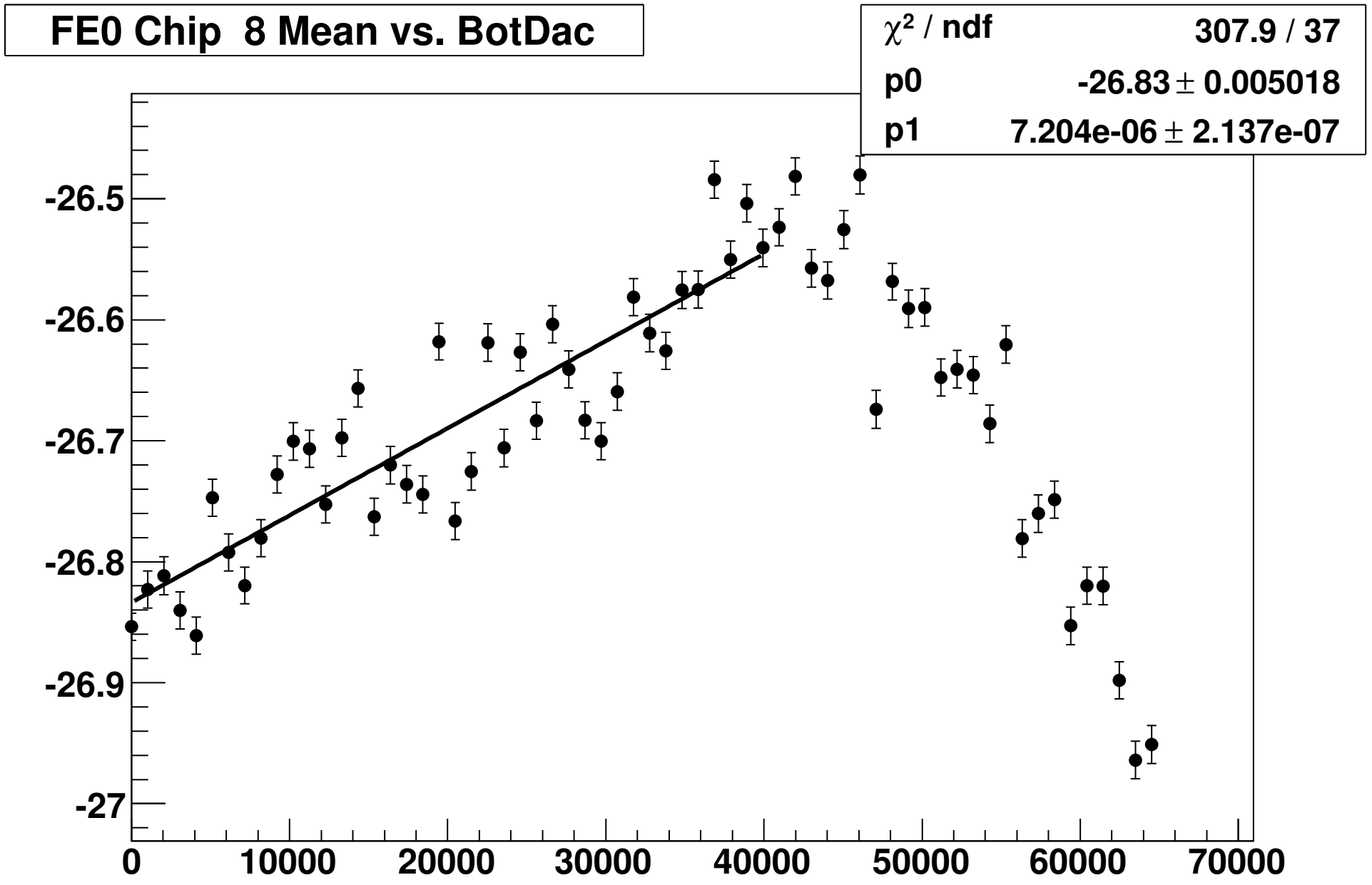
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 307.9 / 37
p0 -26.83 ± 0.005018
p1 7.204e-06 ± 2.137e-07
-26.5
-26.6
-26.7
-26.8
-26.9
-27
0
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40000
50000
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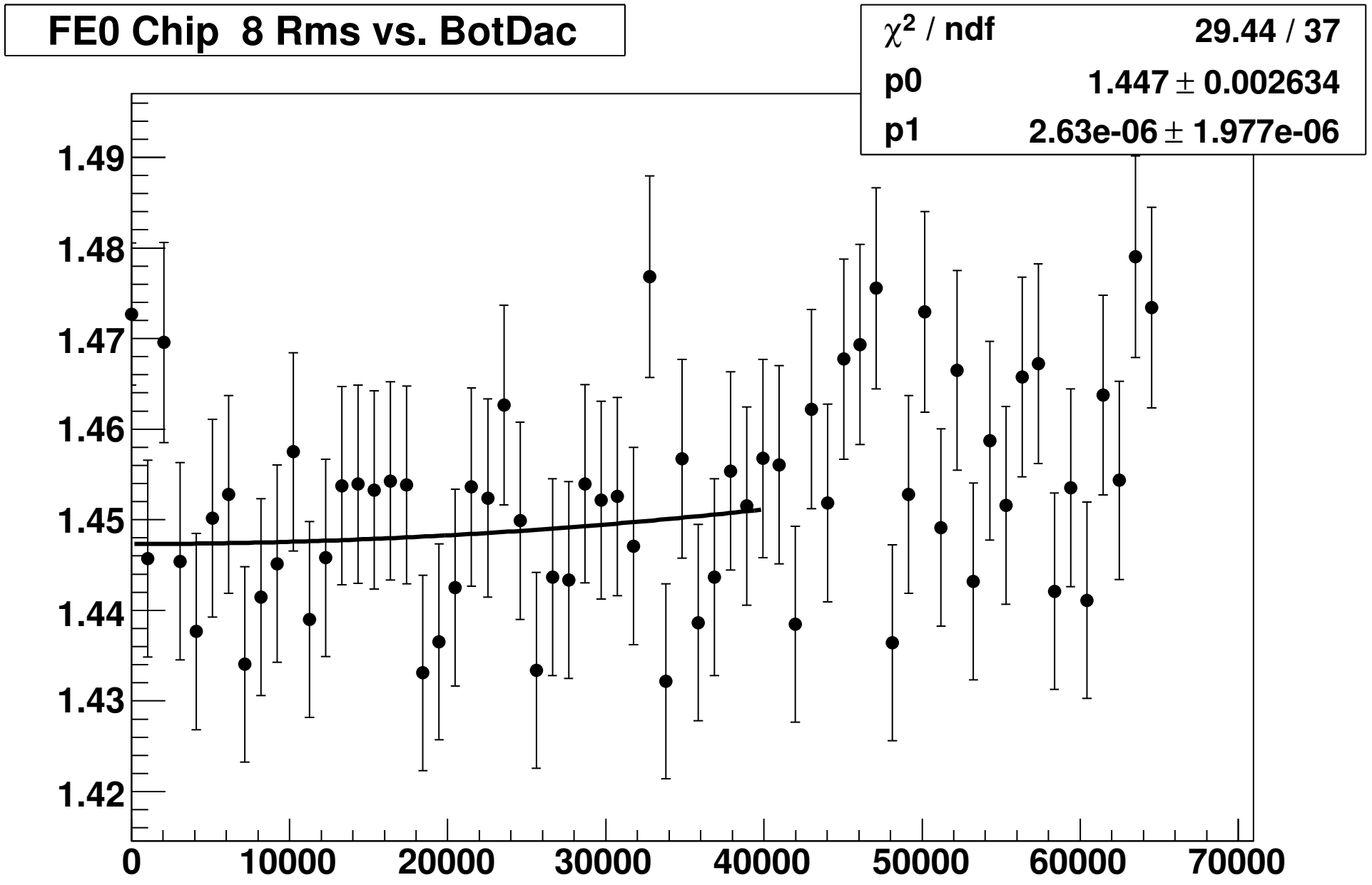
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 29.44 / 37
p0 1.447 ± 0.002634
p1 2.63e-06 ± 1.977e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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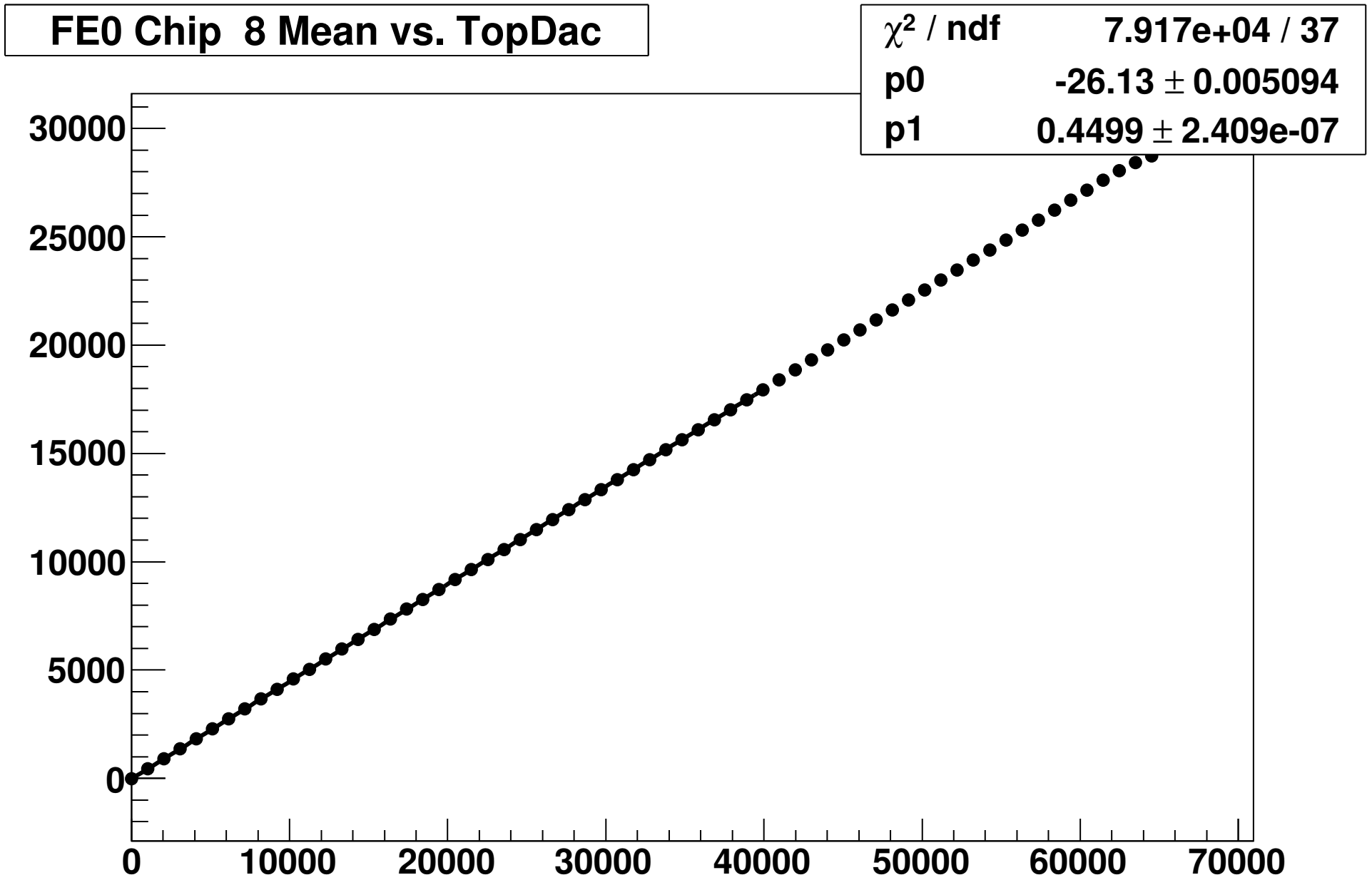
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 7.917e+04 / 37
p0 -26.13 ± 0.005094
p1 0.4499 ± 2.409e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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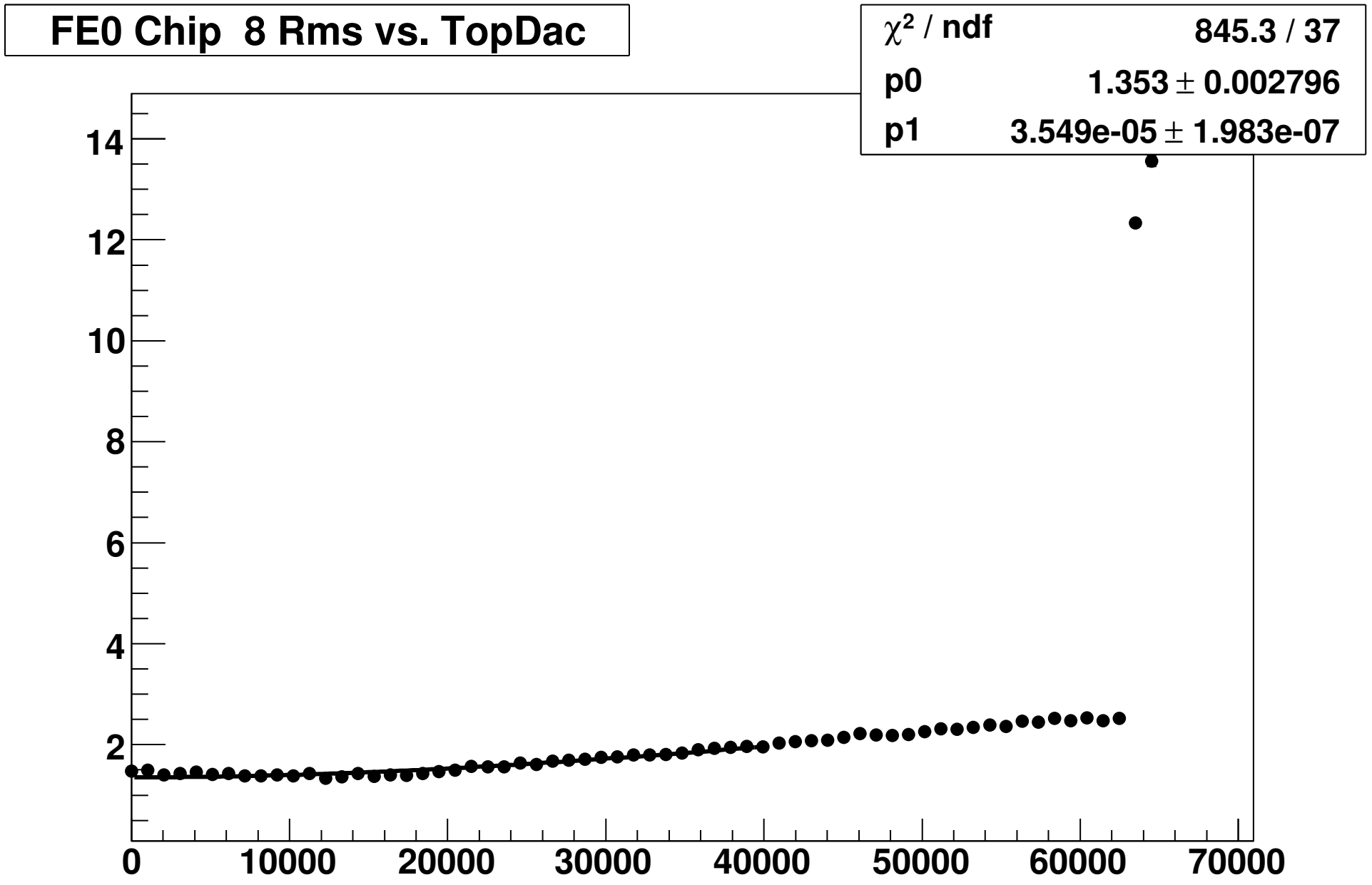
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 845.3 / 37
p0 1.353 ± 0.002796
p1 3.549e-05 ± 1.983e-07
14
12
10
8
6
4
2
0
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20000
30000
40000
50000
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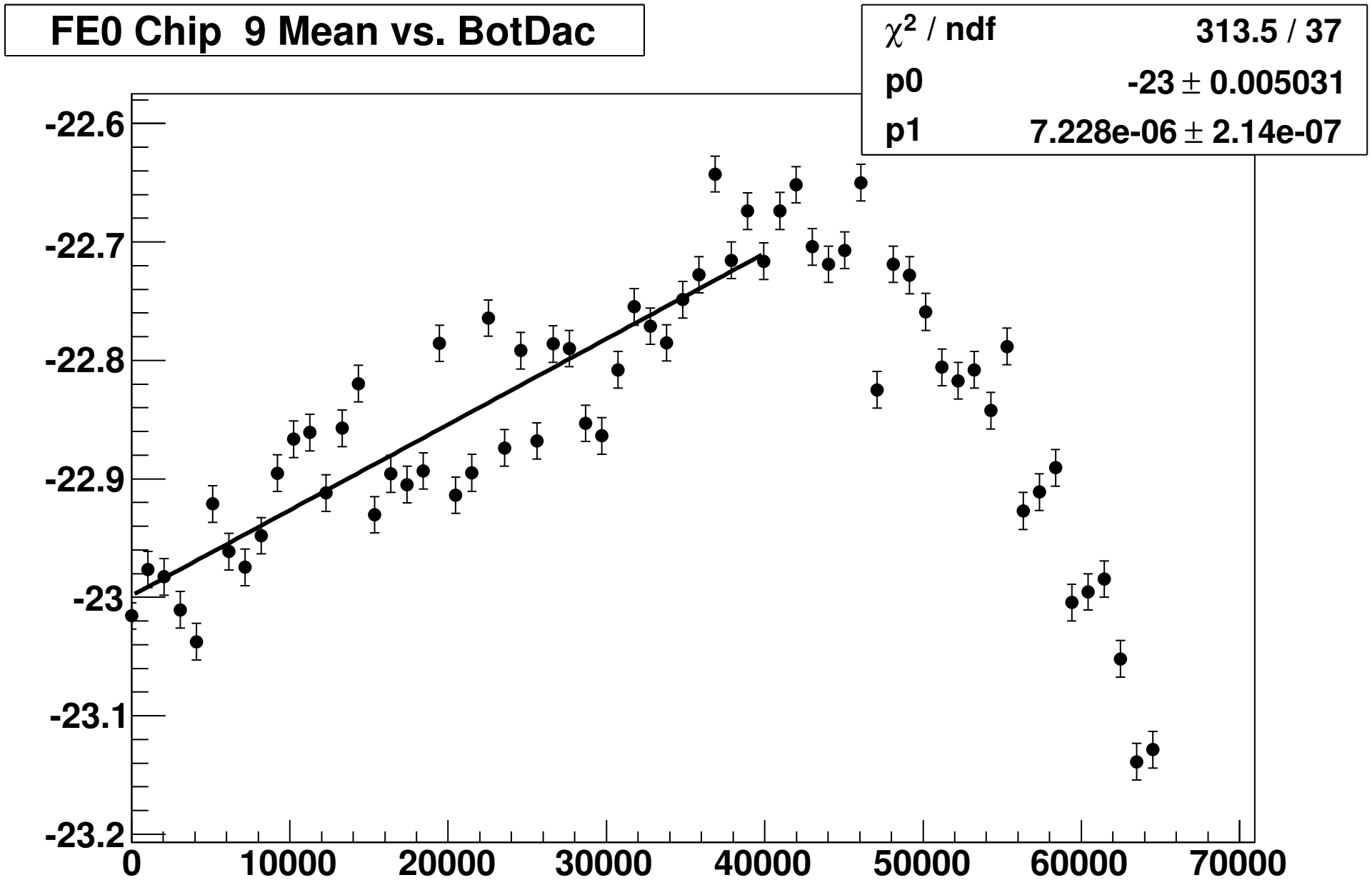
70000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 313.5 / 37
p0 -23 ± 0.005031
p1 7.228e-06 ± 2.14e-07
-22.6
-22.7
-22.8
-22.9
-23
-23.1
-23.2
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60000
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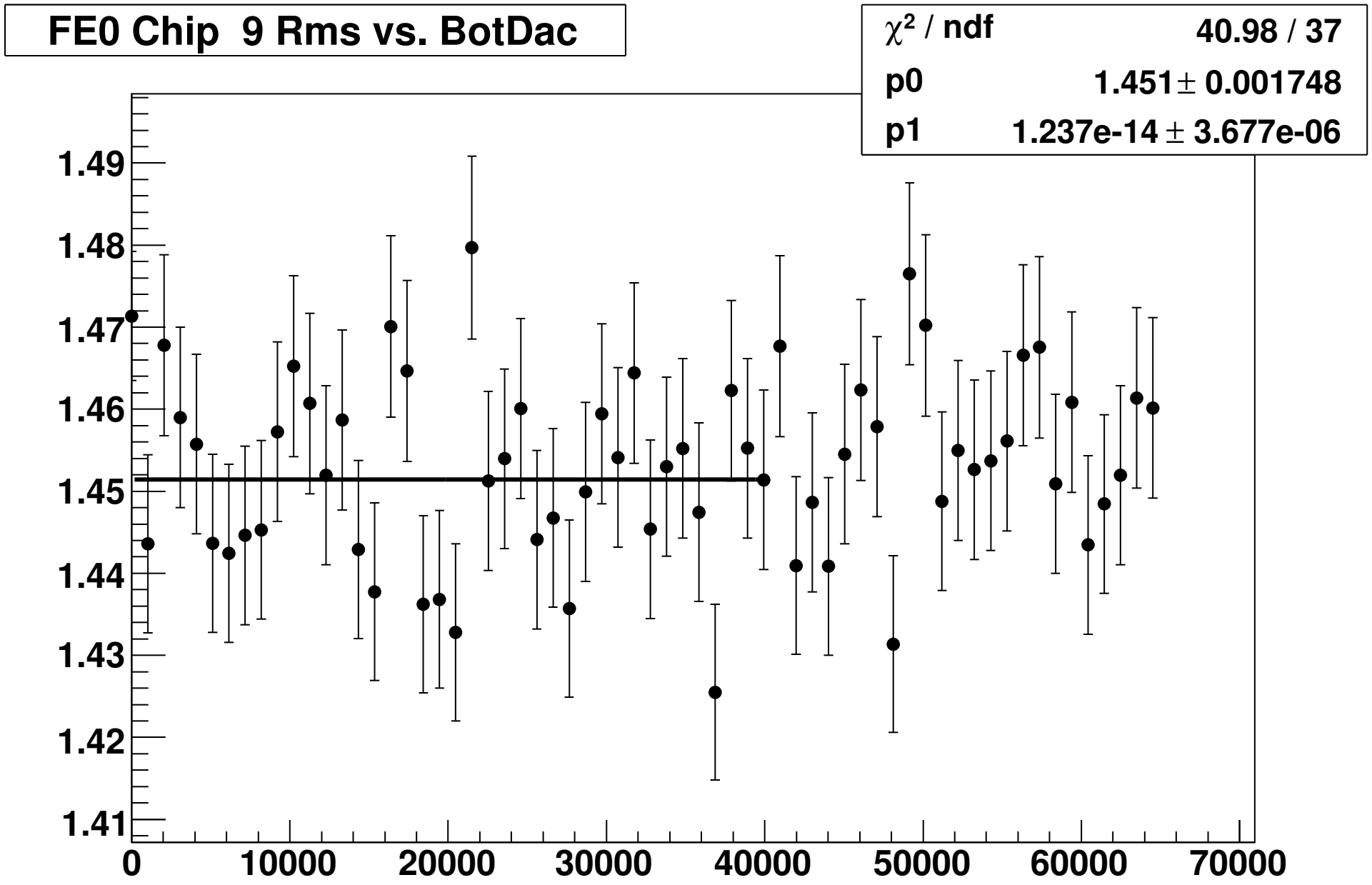
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 40.98 / 37
p0 1.451 ± 0.001748
p1 1.237e-14 ± 3.677e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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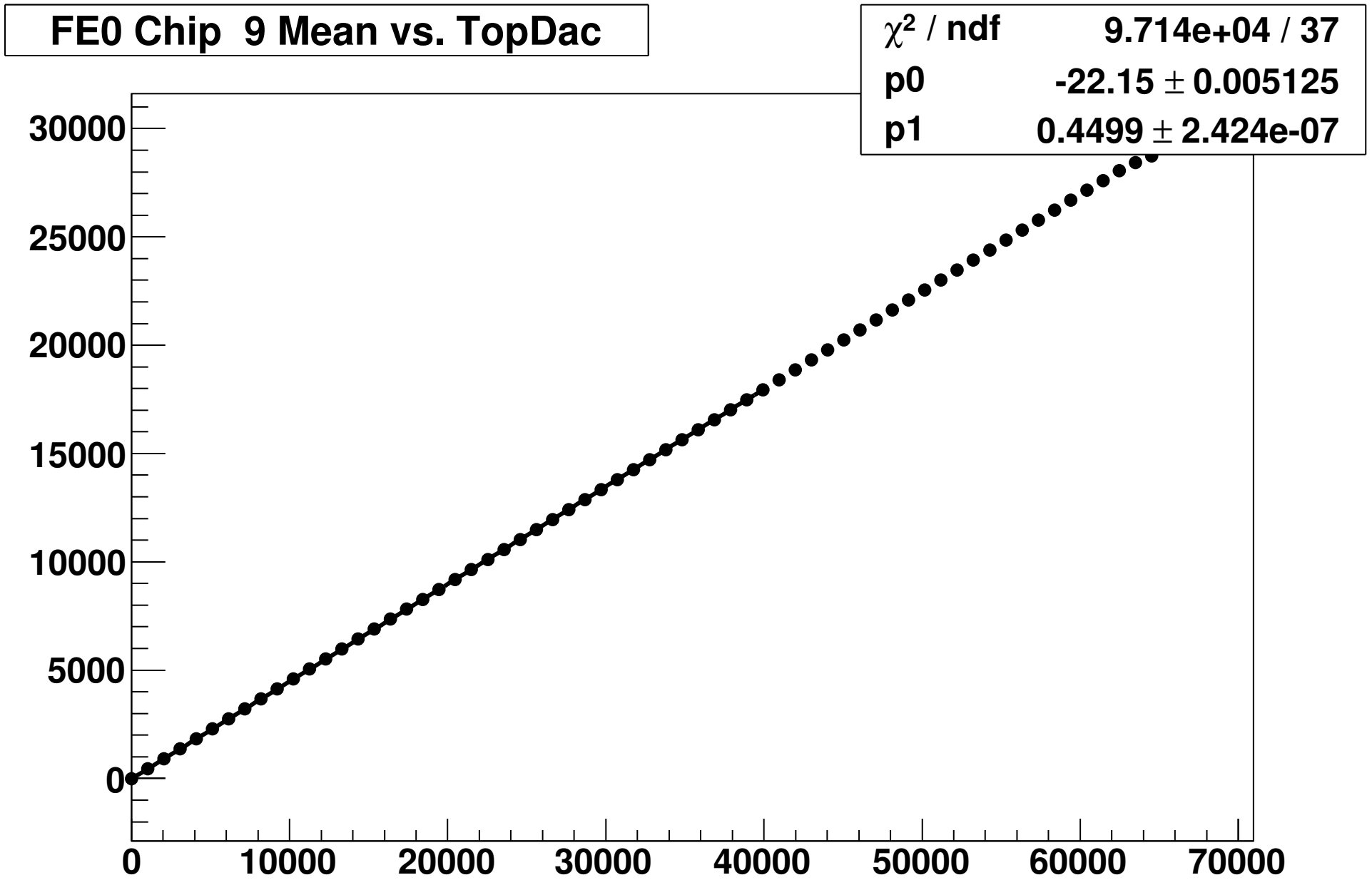
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 9.714e+04 / 37
p0 -22.15 ± 0.005125
p1 0.4499 ± 2.424e-07
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20000
15000
10000
5000
0
0
10000
20000
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60000
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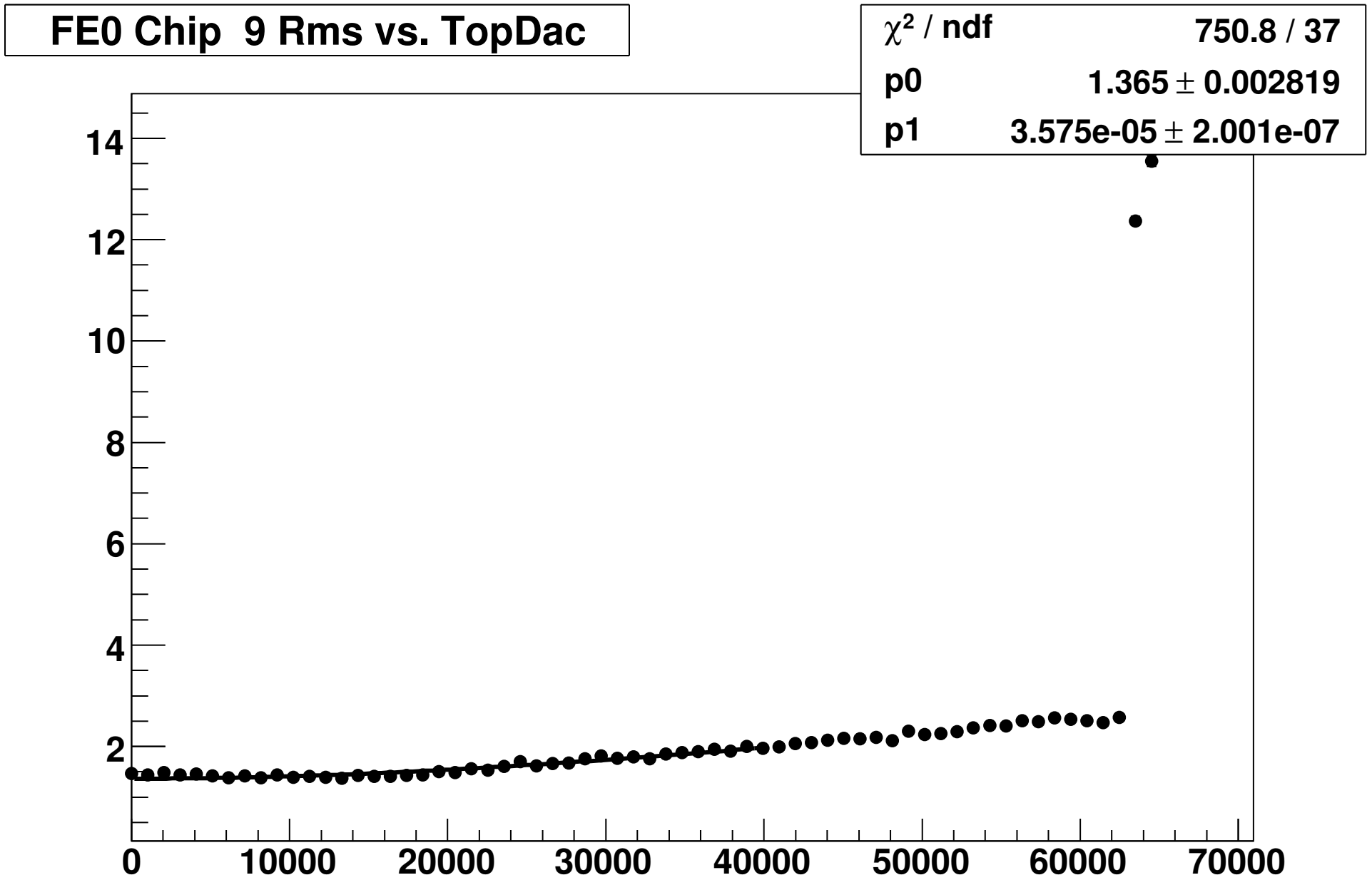
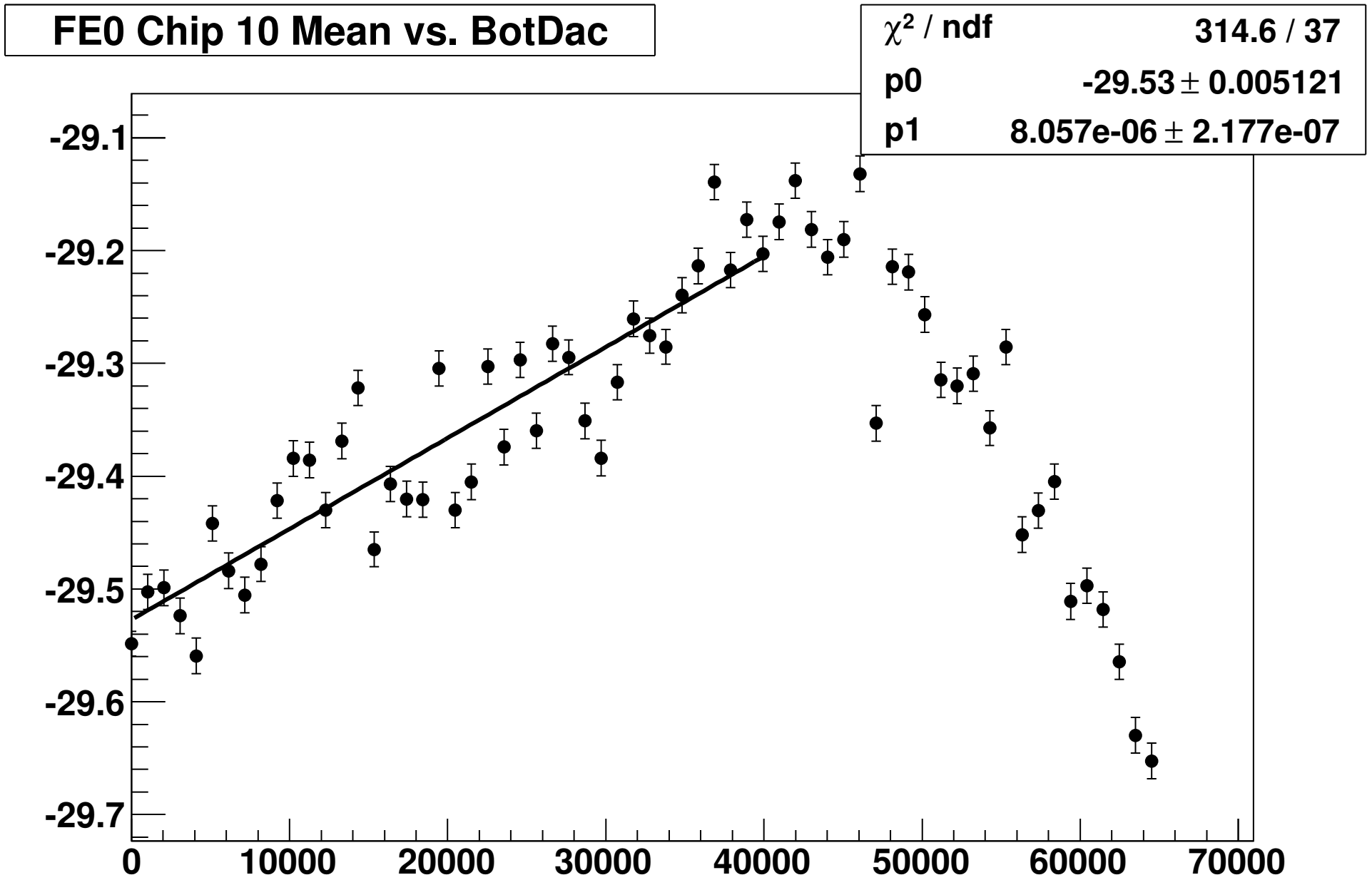

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 750.8 / 37
p0 1.365 ± 0.002819
p1 3.575e-05 ± 2.001e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 314.6 / 37
p0 -29.53 ± 0.005121
p1 8.057e-06 ± 2.177e-07
-29.1
-29.2
-29.3
-29.4
-29.5
-29.6
-29.7
0
10000
20000
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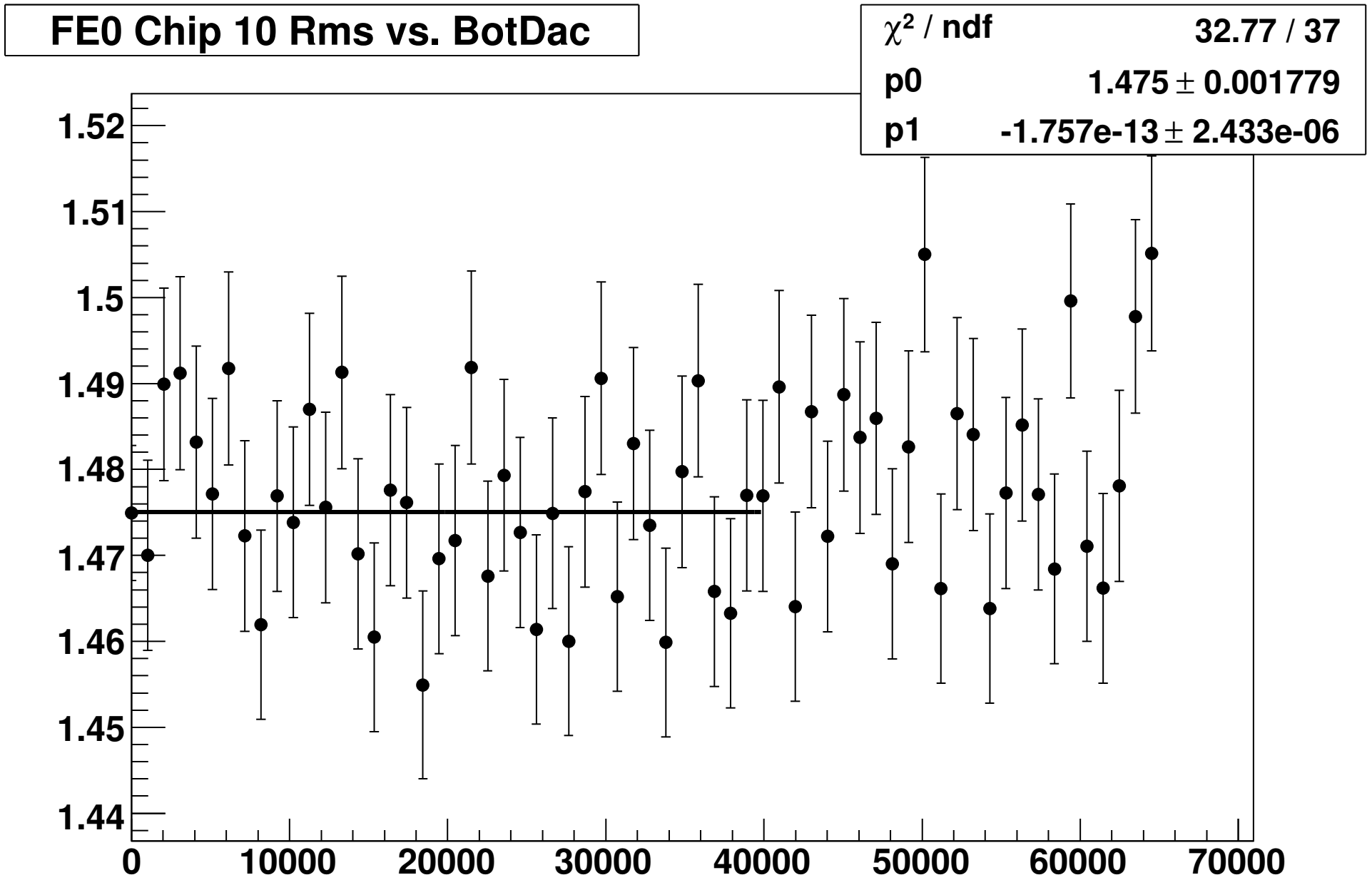
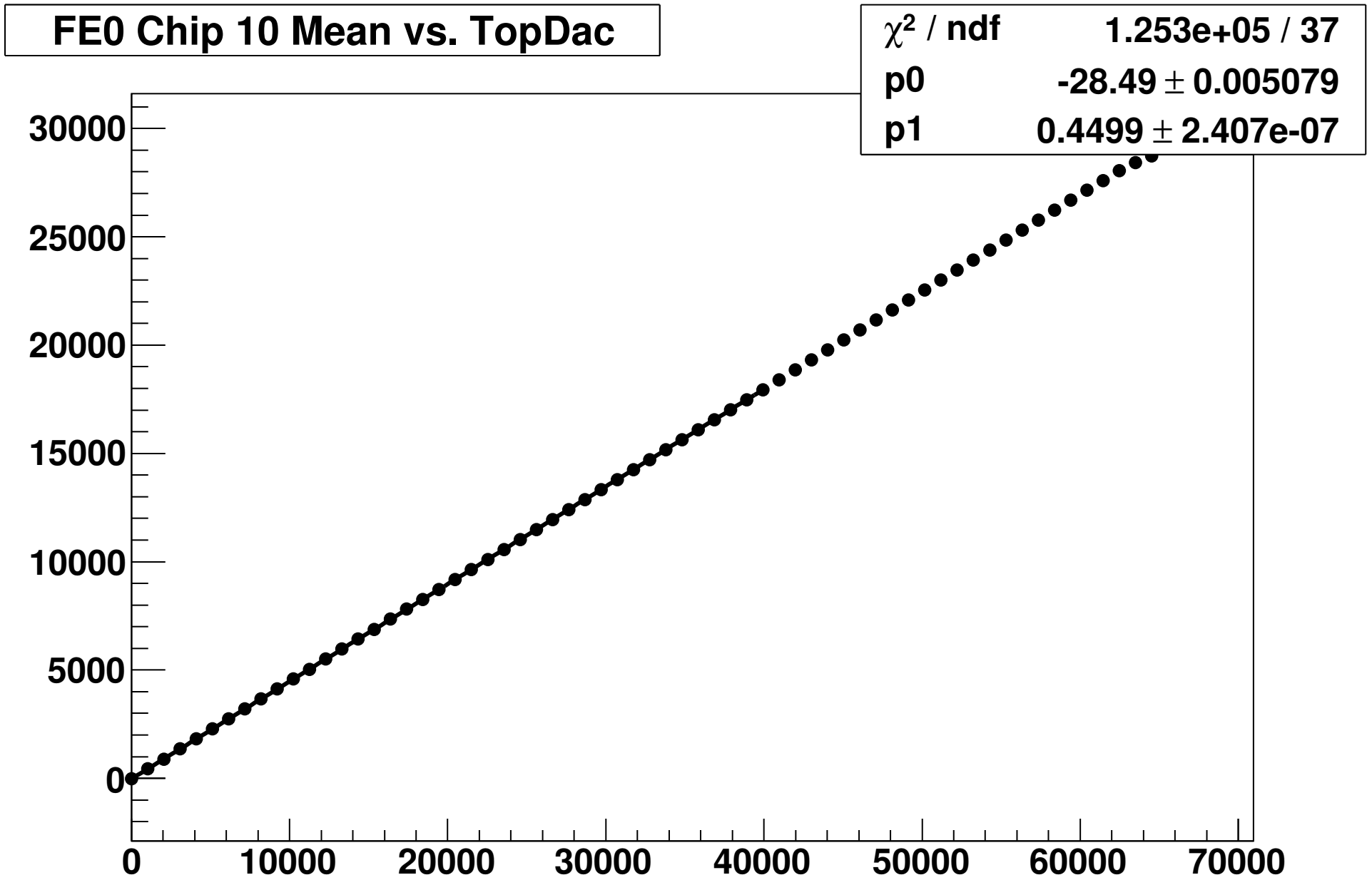
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 32.77 / 37
p0 1.475 ± 0.001779
p1 -1.757e-13 ± 2.433e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.253e+05 / 37
p0 -28.49 ± 0.005079
p1 0.4499 ± 2.407e-07
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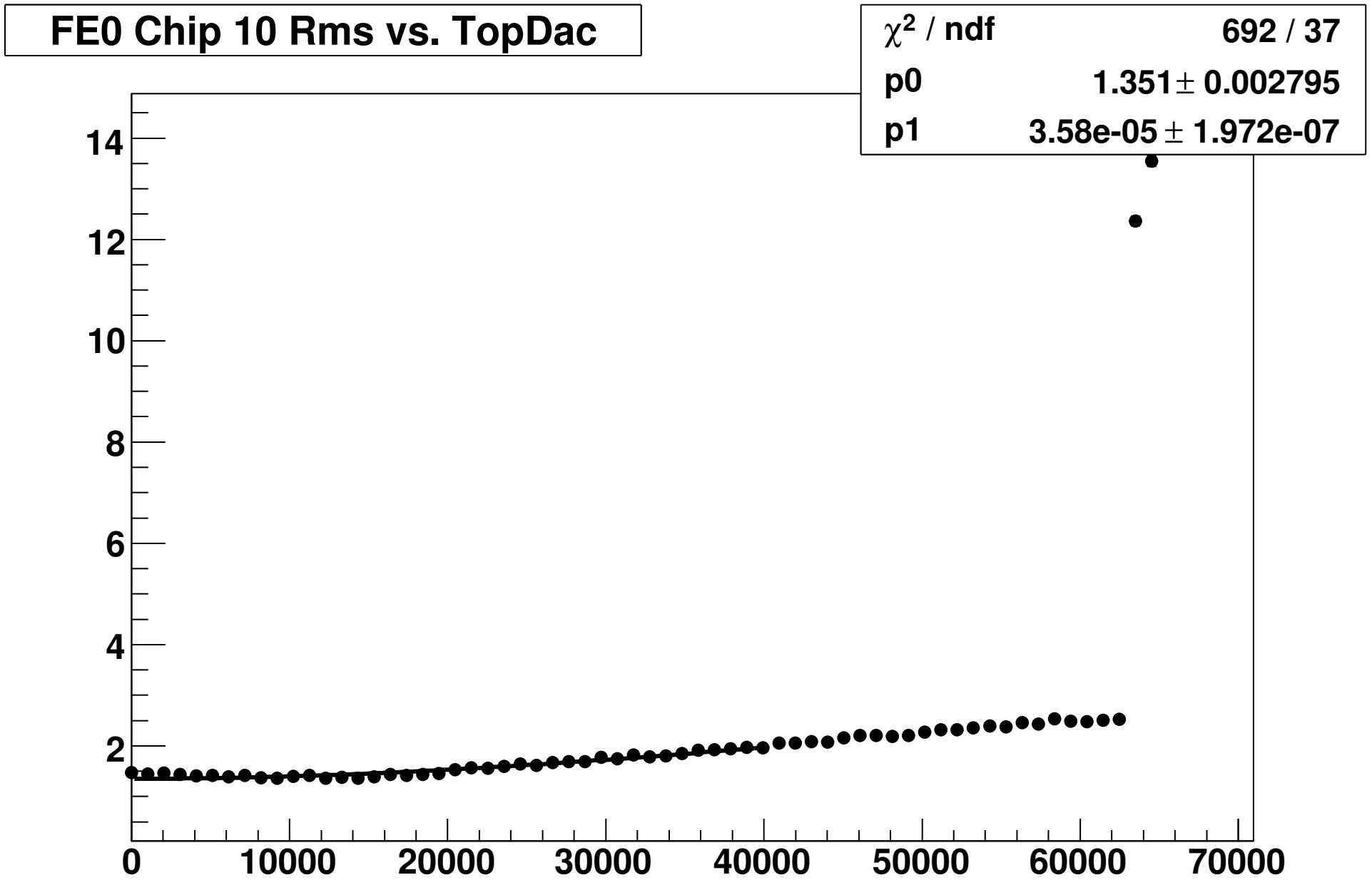
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 692 / 37
p0 1.351 ± 0.002795
p1 3.58e-05 ± 1.972e-07
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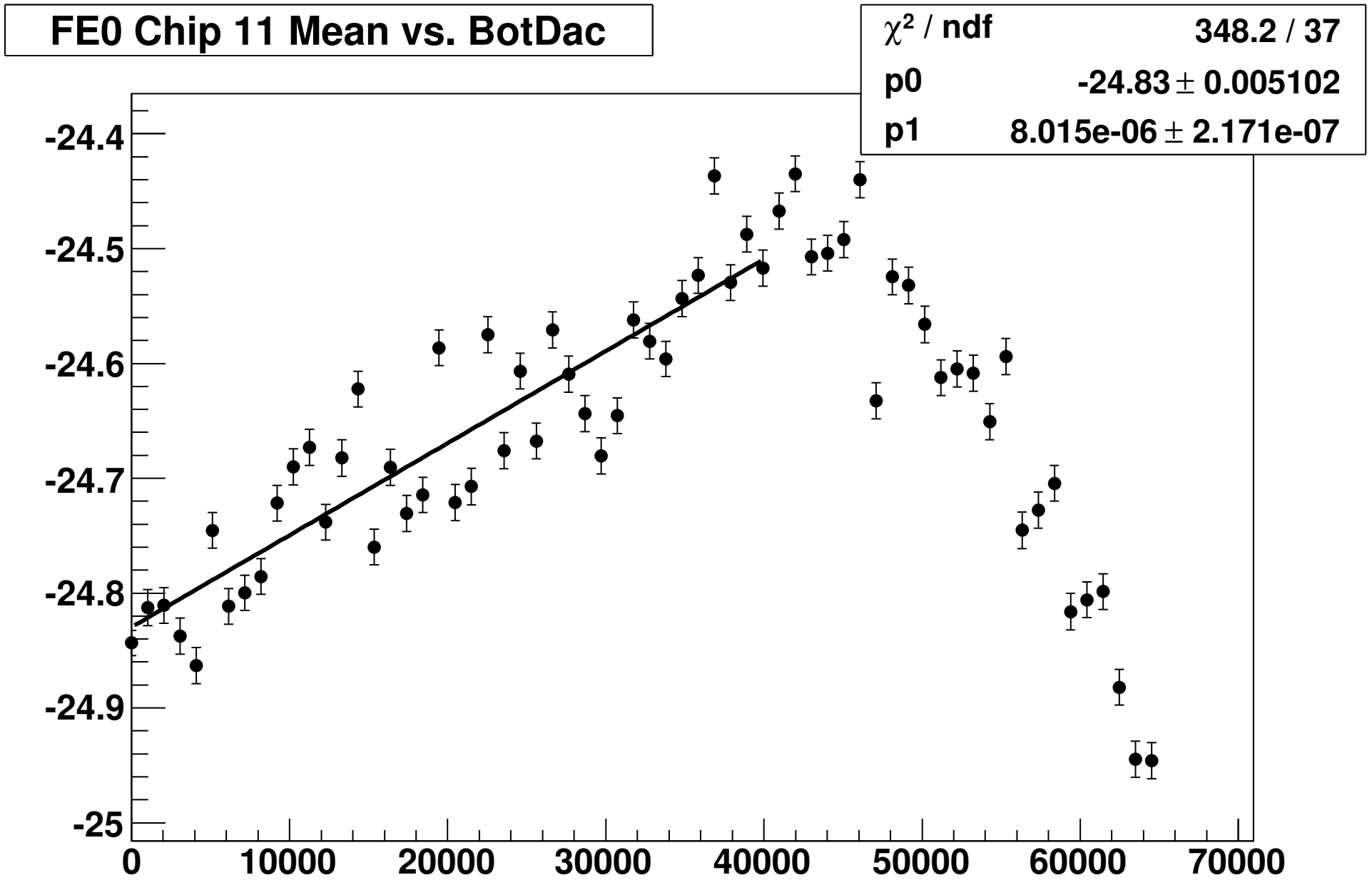
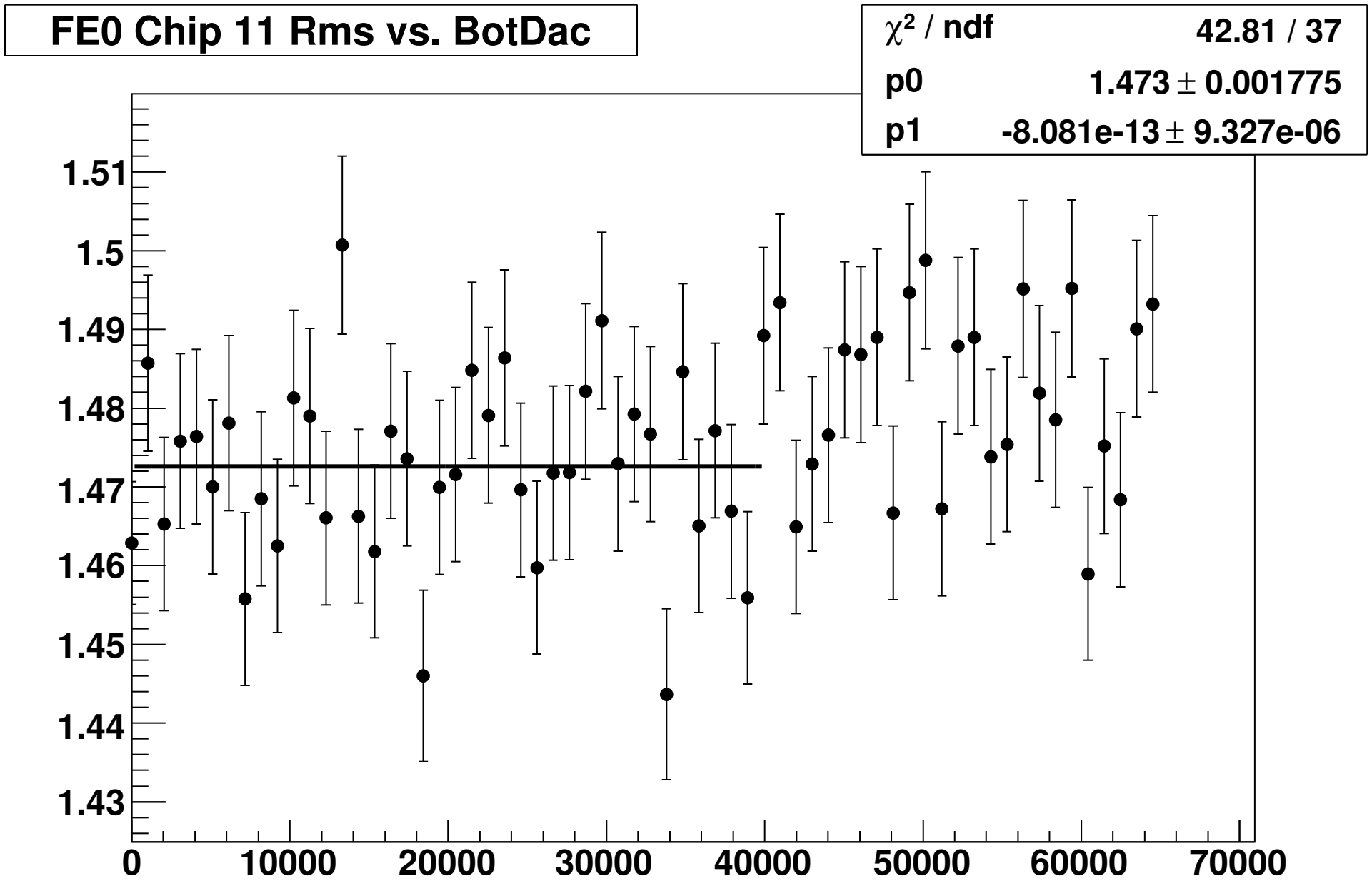
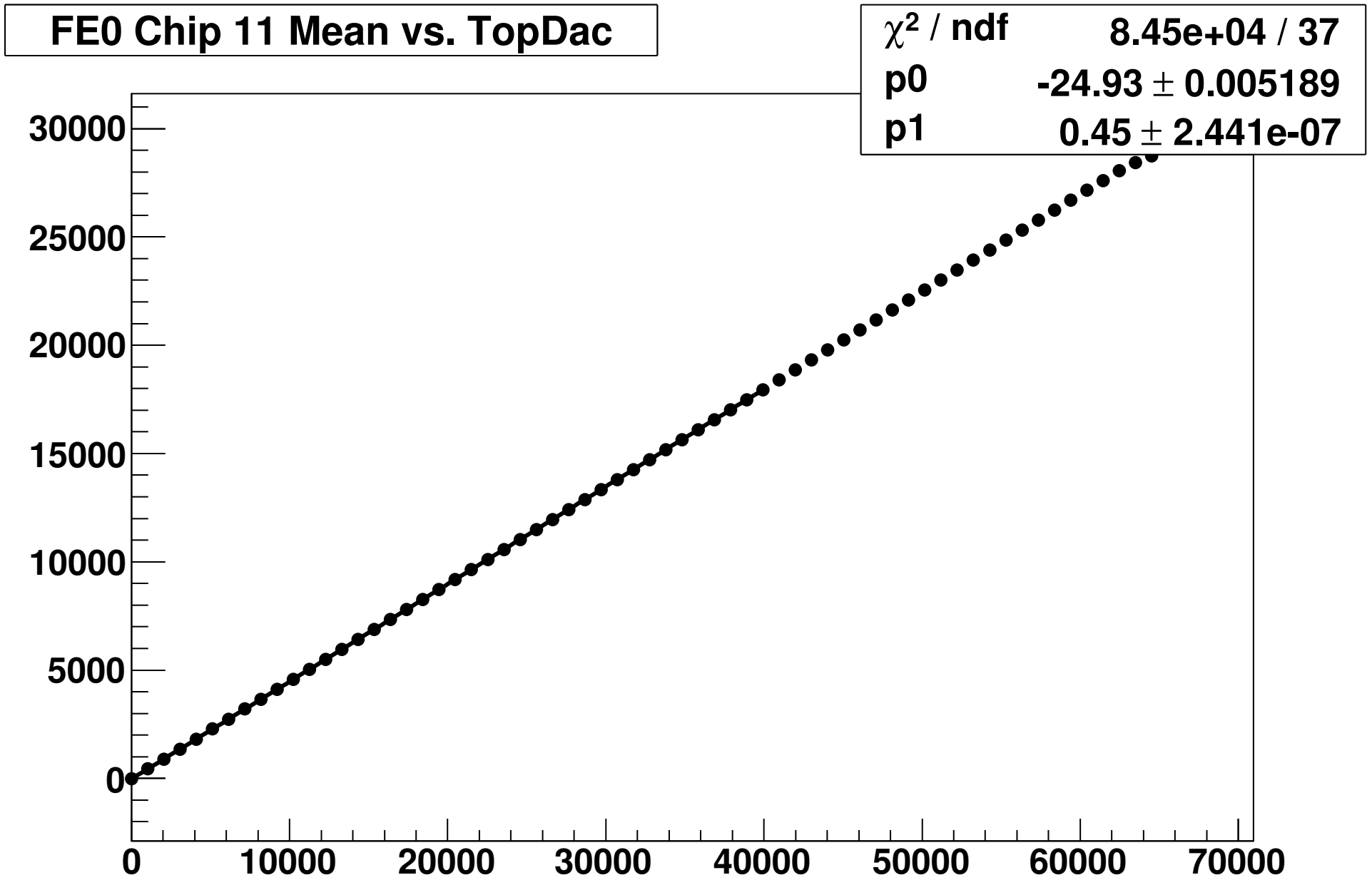
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 348.2 / 37
p0 -24.83 ± 0.005102
p1 8.015e-06 ± 2.171e-07
-24.4
-24.5
-24.6
-24.7
-24.8
-24.9
-25
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 42.81 / 37
p0 1.473 ± 0.001775
p1 -8.081e-13 ± 9.327e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 8.45e+04 / 37
p0 -24.93 ± 0.005189
p1 0.45 ± 2.441e-07
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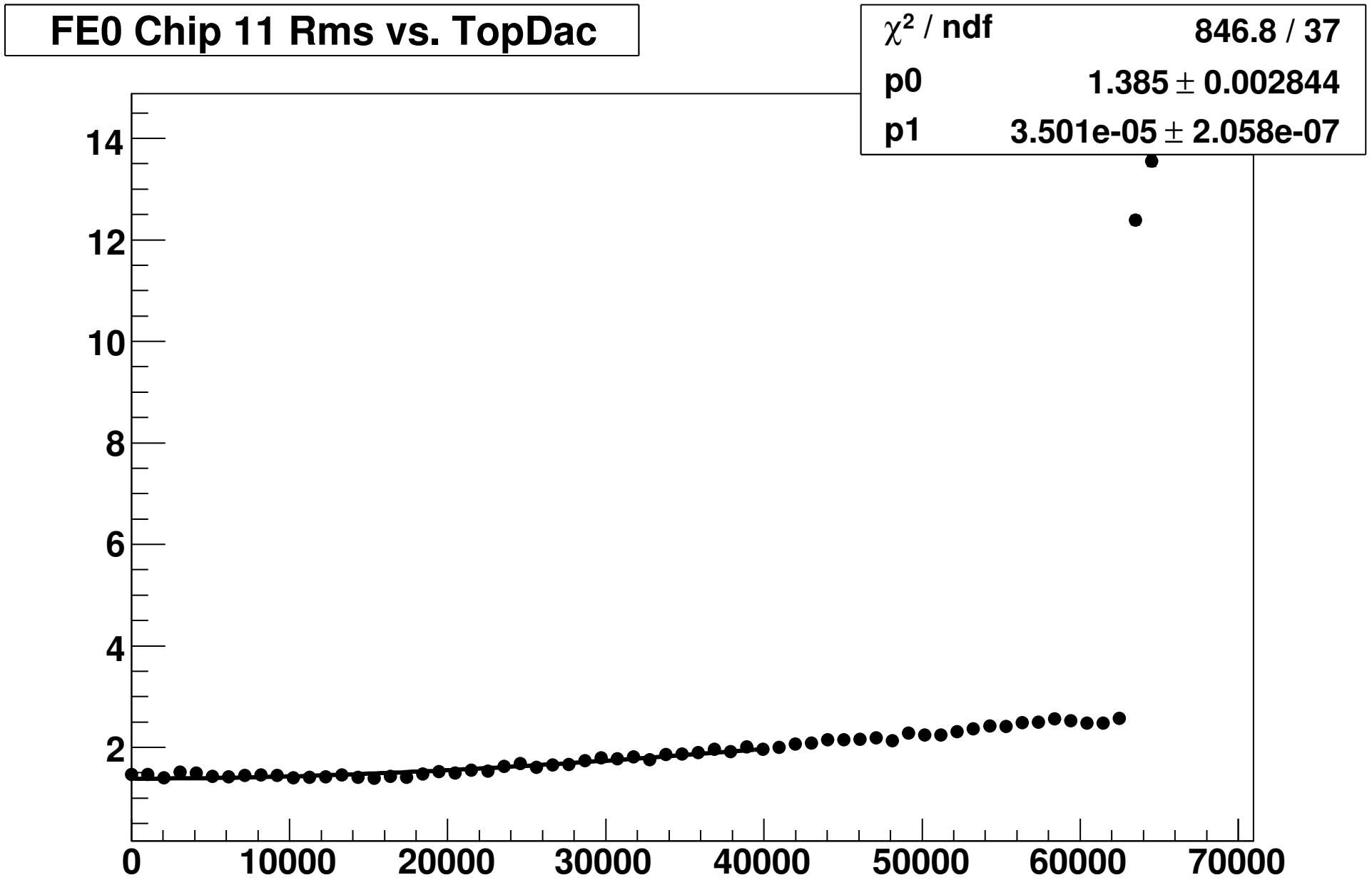
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 846.8 / 37
p0 1.385 ± 0.002844
p1 3.501e-05 ± 2.058e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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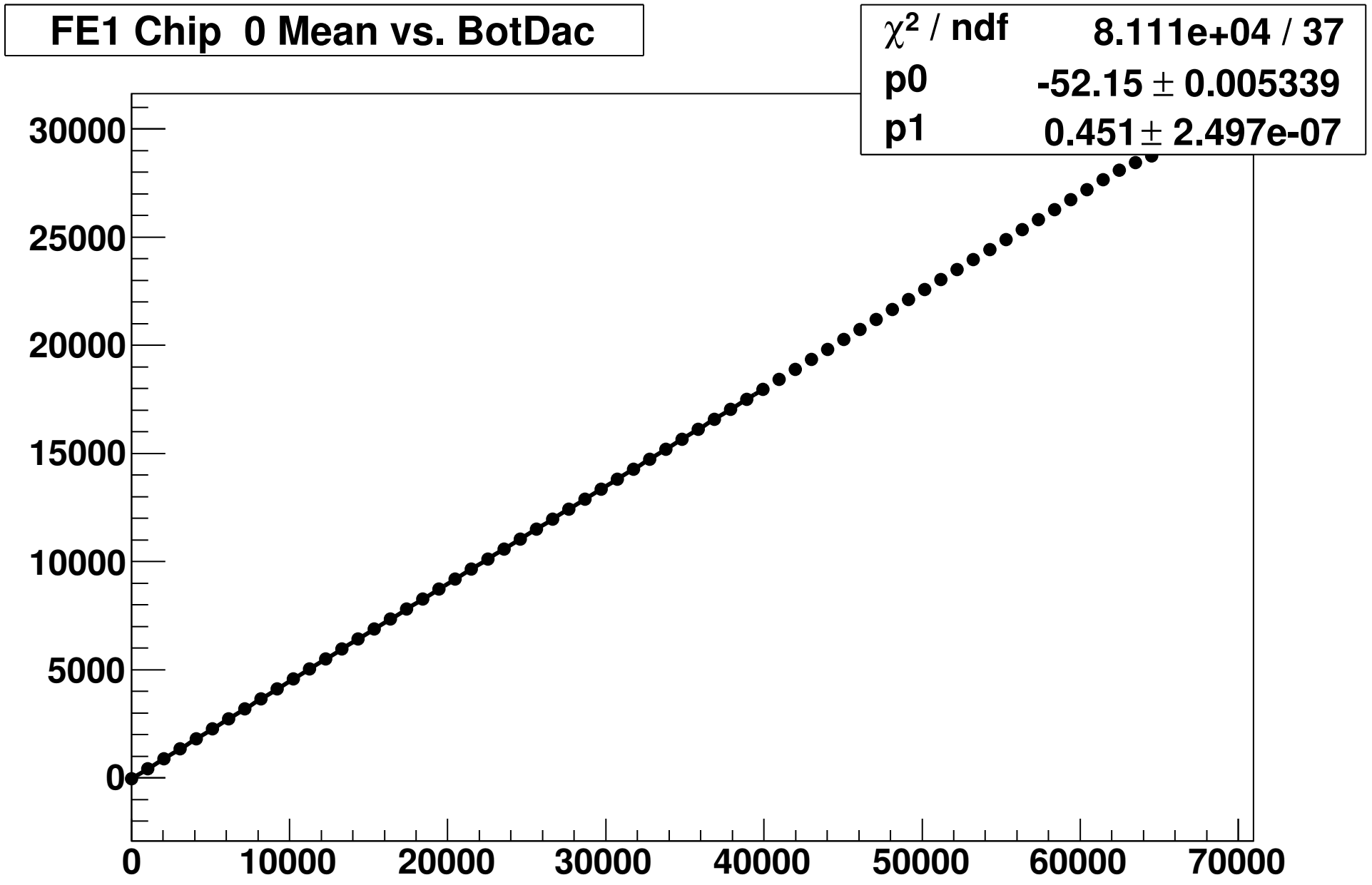
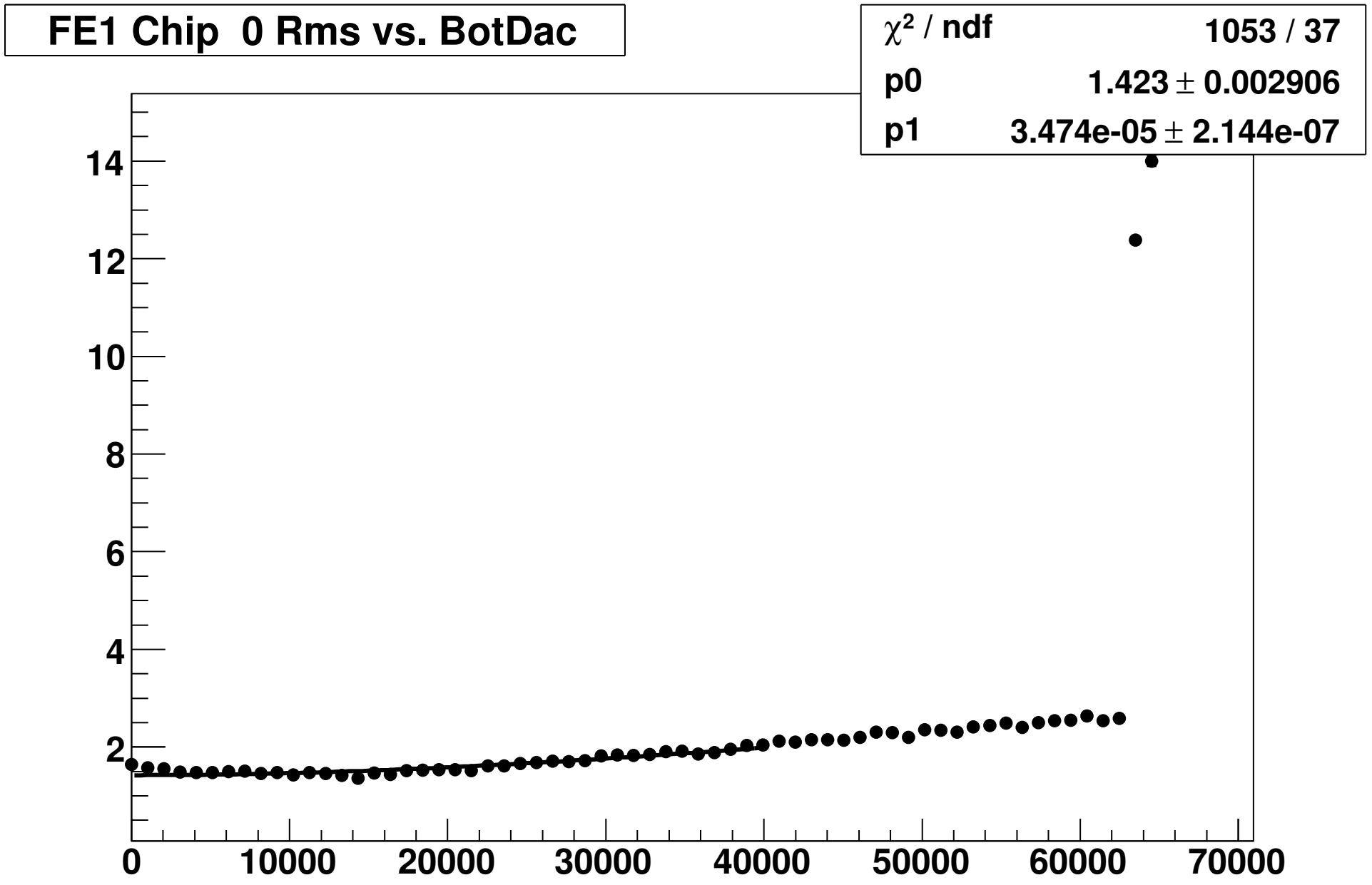

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 8.111e+04 / 37
p0 -52.15 ± 0.005339
p1 0.451 ± 2.497e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1053 / 37
p0 1.423 ± 0.002906
p1 3.474e-05 ± 2.144e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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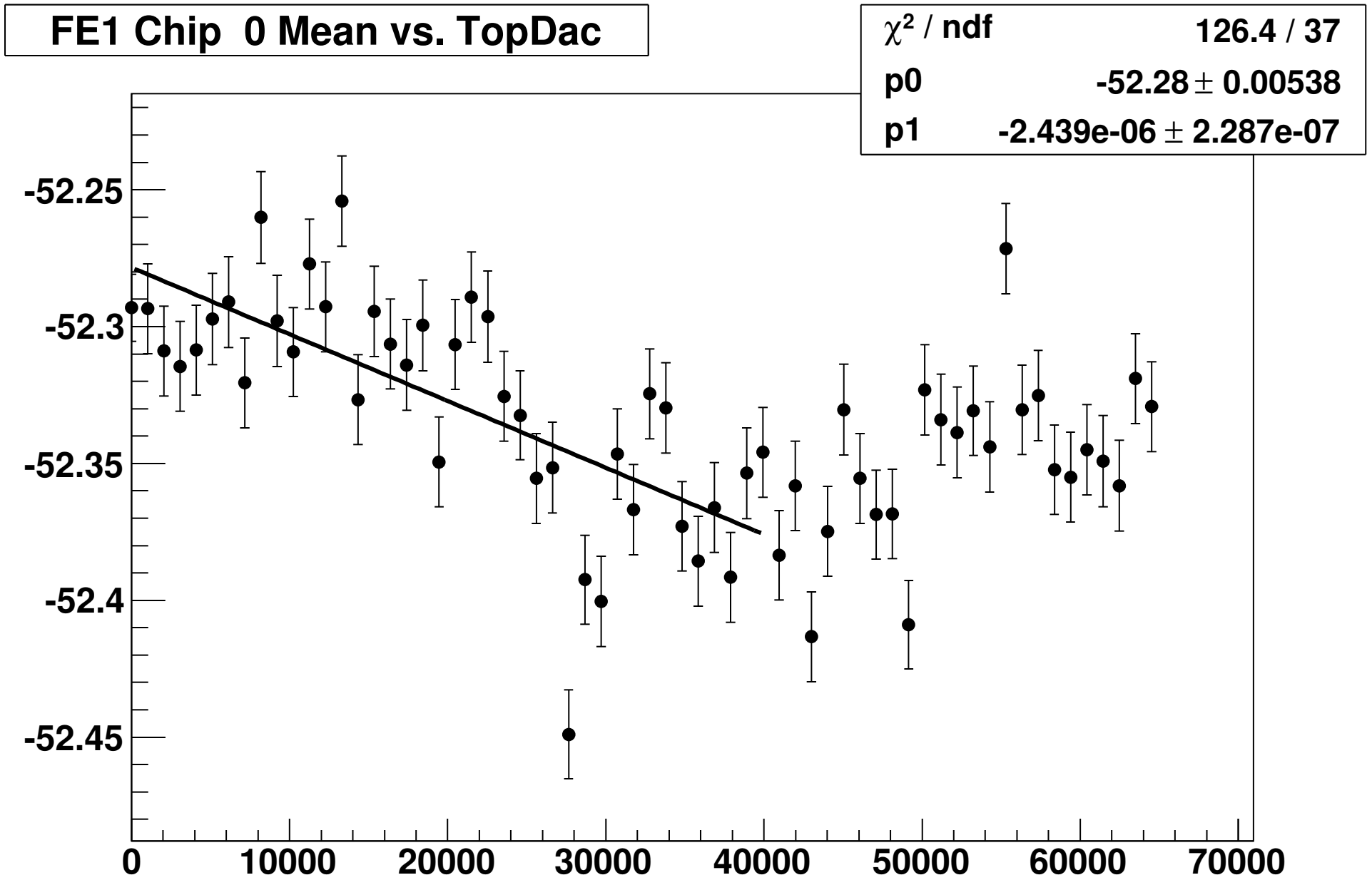
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 126.4 / 37
p0 -52.28 ± 0.00538
p1 -2.439e-06 ± 2.287e-07
-52.25
-52.3
-52.35
-52.4
-52.45
0
10000
20000
30000
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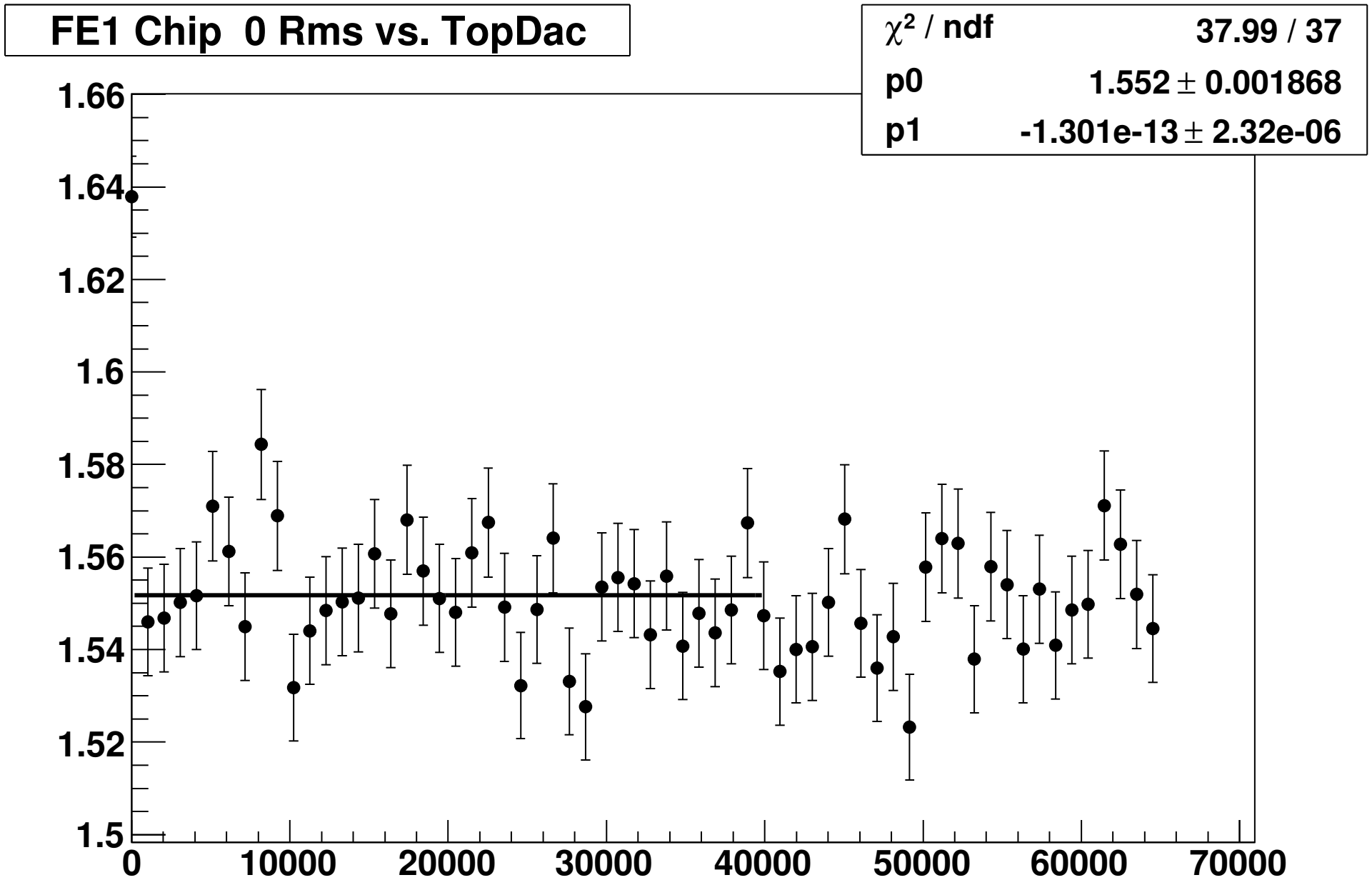
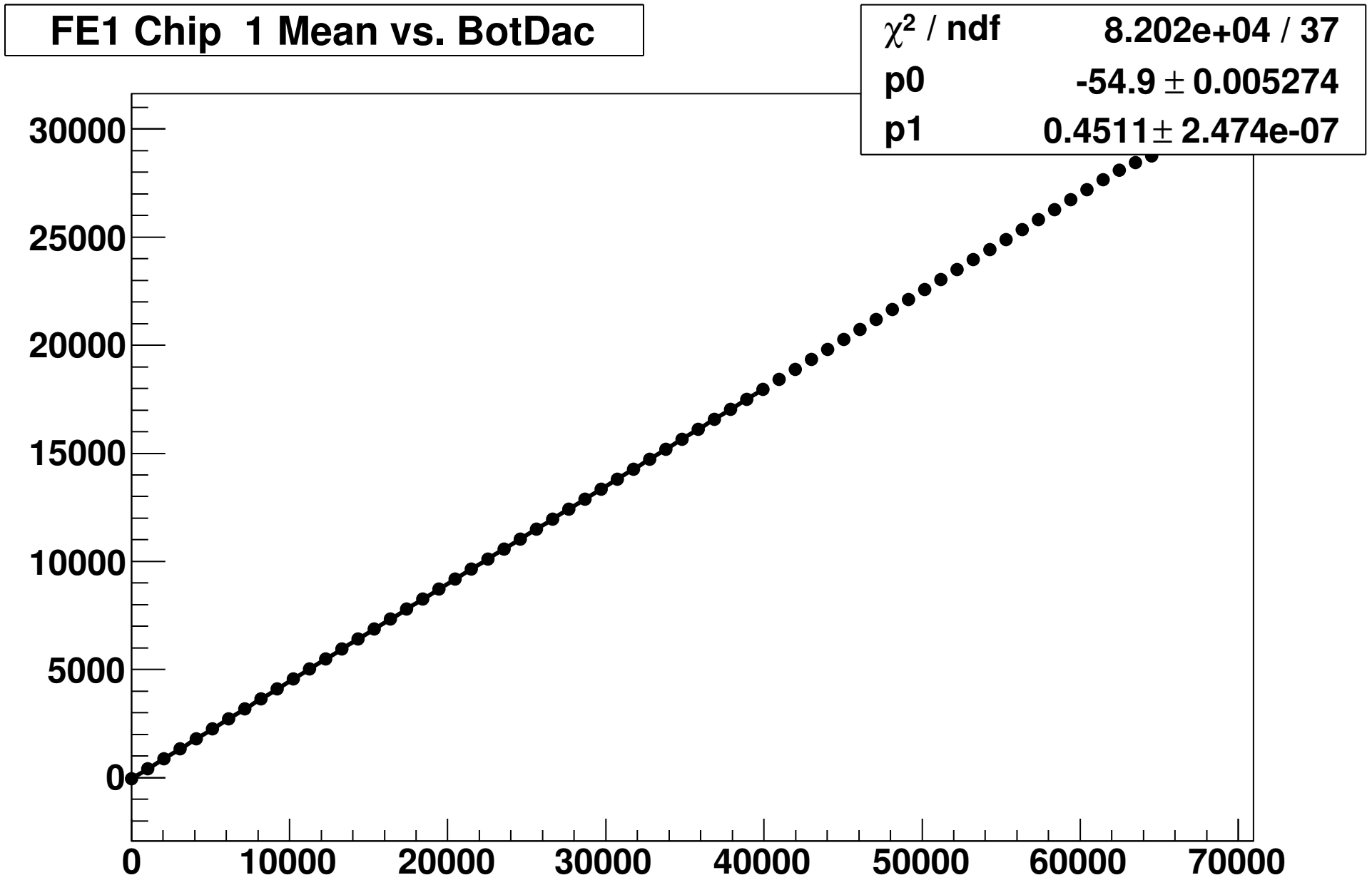
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 37.99 / 37
p0 1.552 ± 0.001868
p1 -1.301e-13 ± 2.32e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 8.202e+04 / 37
p0 -54.9 ± 0.005274
p1 0.4511 ± 2.474e-07
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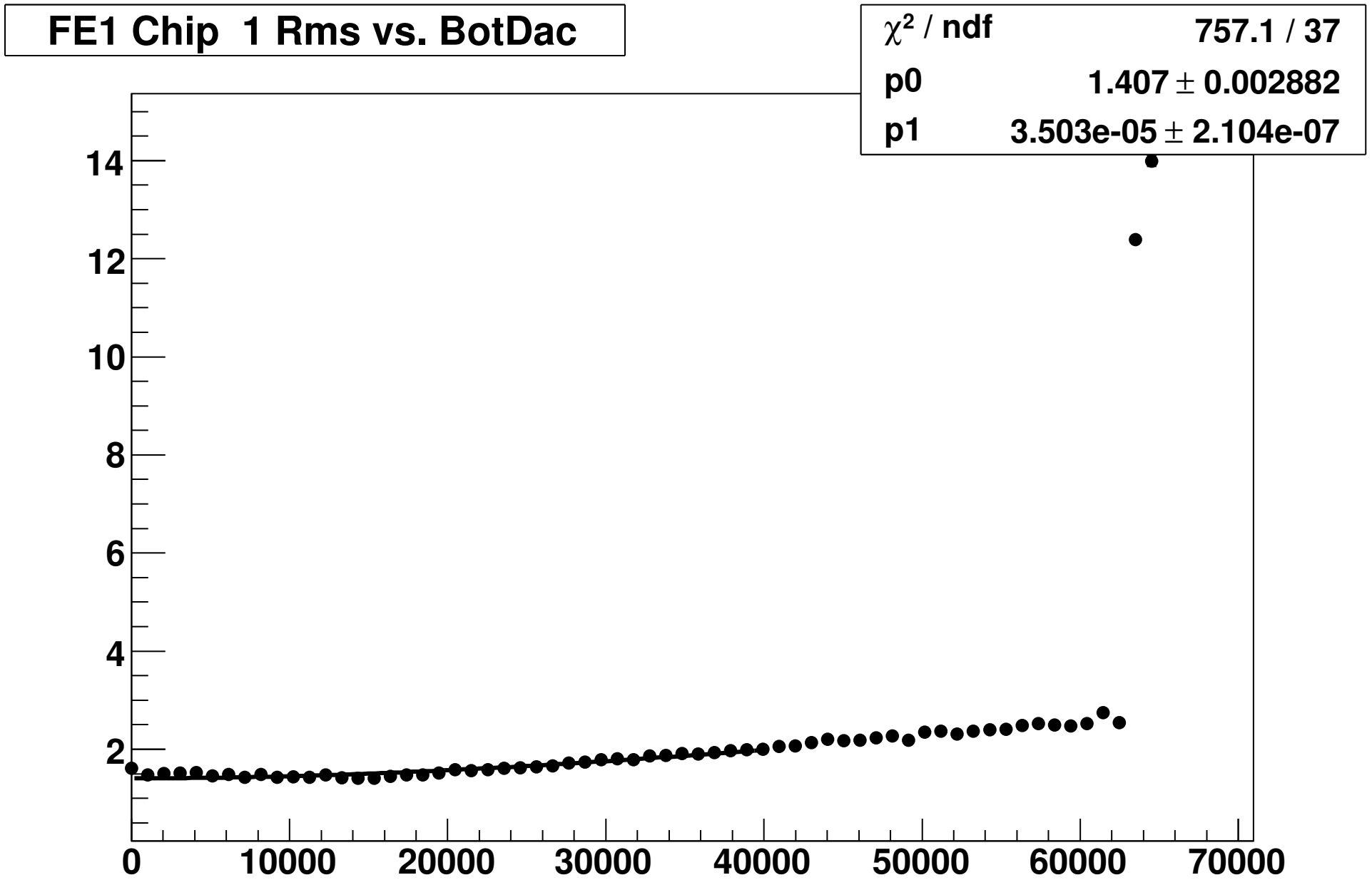
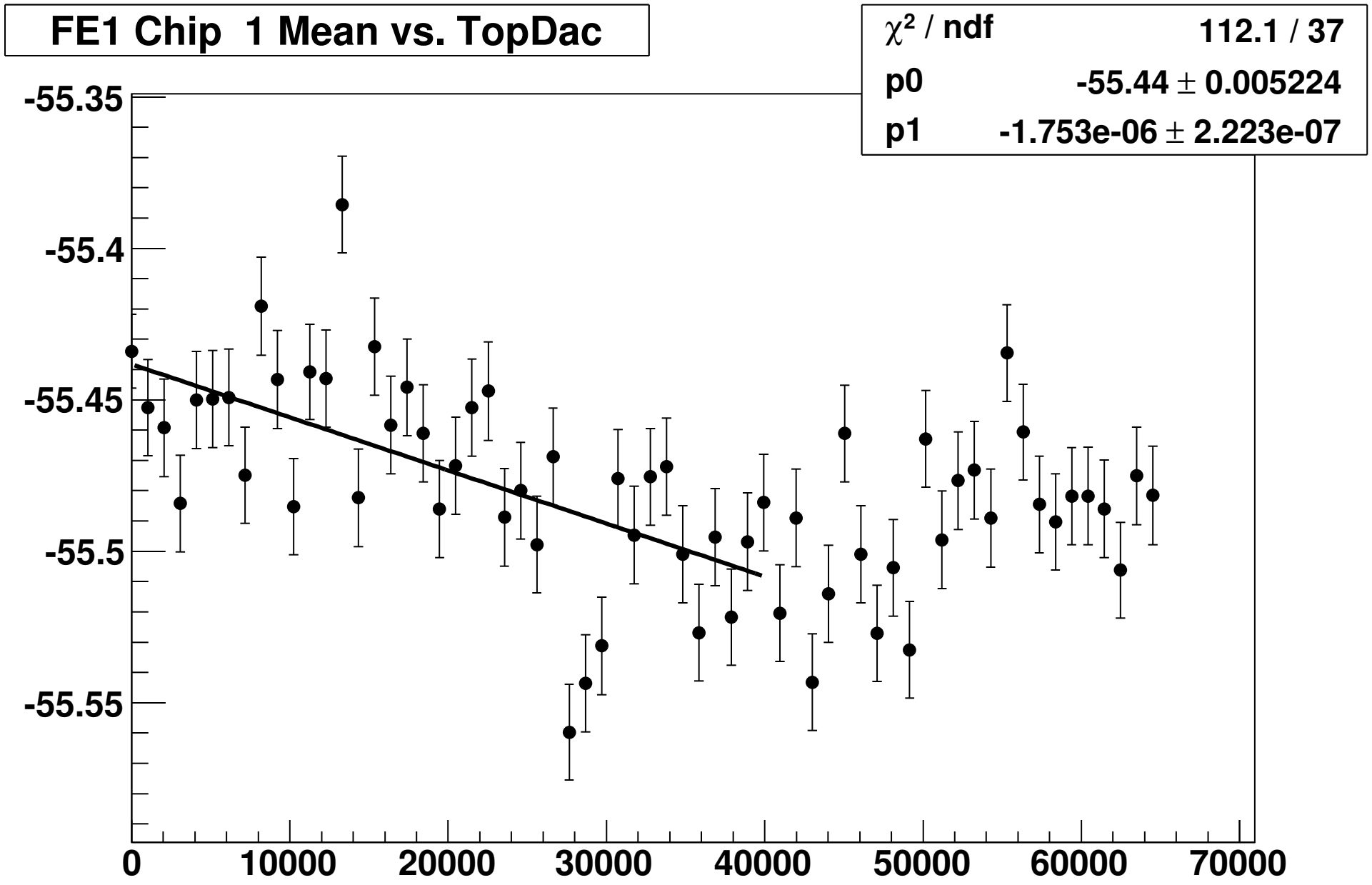
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 757.1 / 37
p0 1.407 ± 0.002882
p1 3.503e-05 ± 2.104e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 112.1 / 37
p0 -55.44 ± 0.005224
p1 -1.753e-06 ± 2.223e-07
-55.35
-55.4
-55.45
-55.5
-55.55
0
10000
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60000
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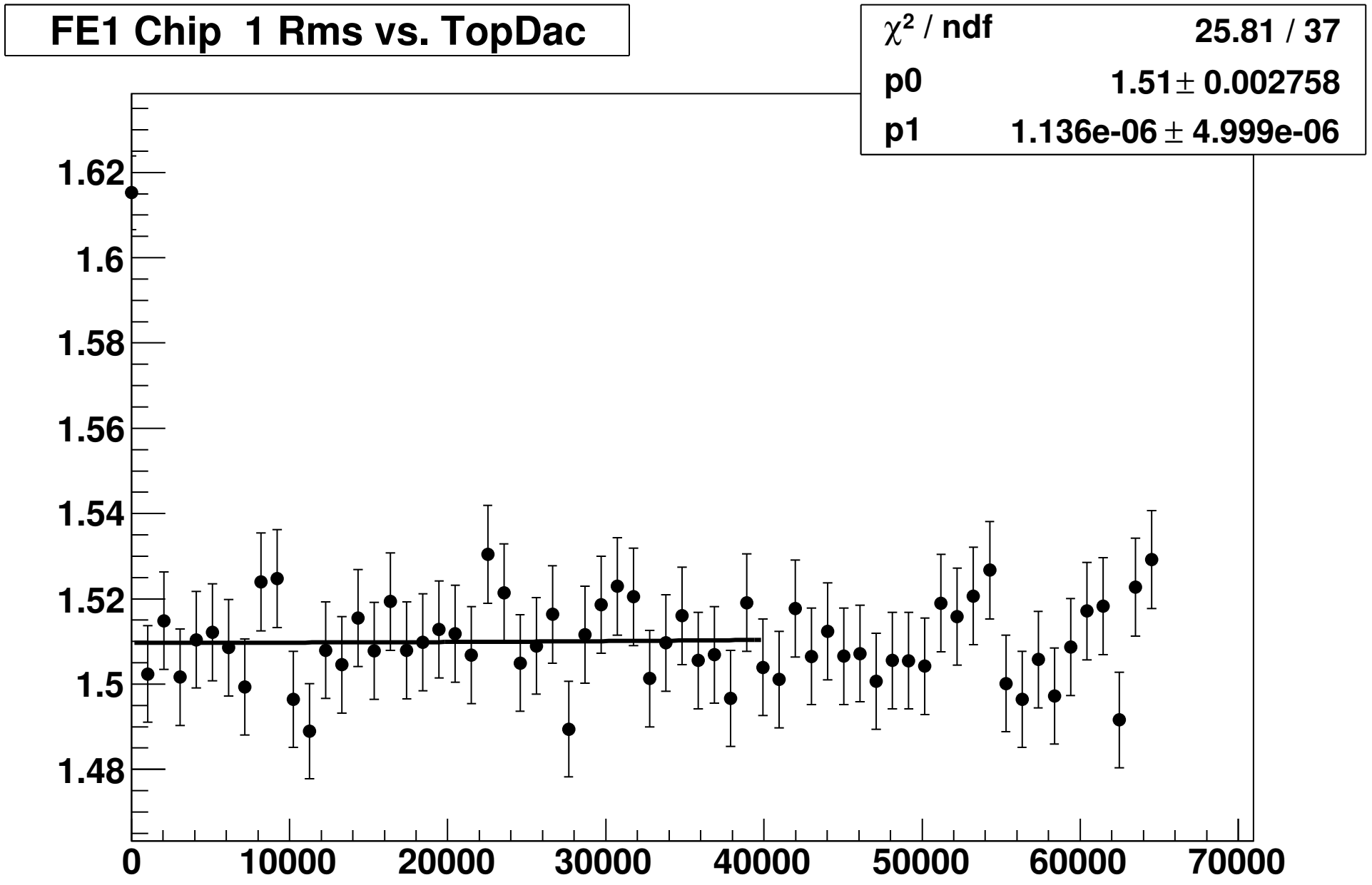
FE1 Chip 1 Rms vs. TopDac
χ² / ndf 25.81 / 37
p0 1.51 ± 0.002758
p1 1.136e-06 ± 4.999e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
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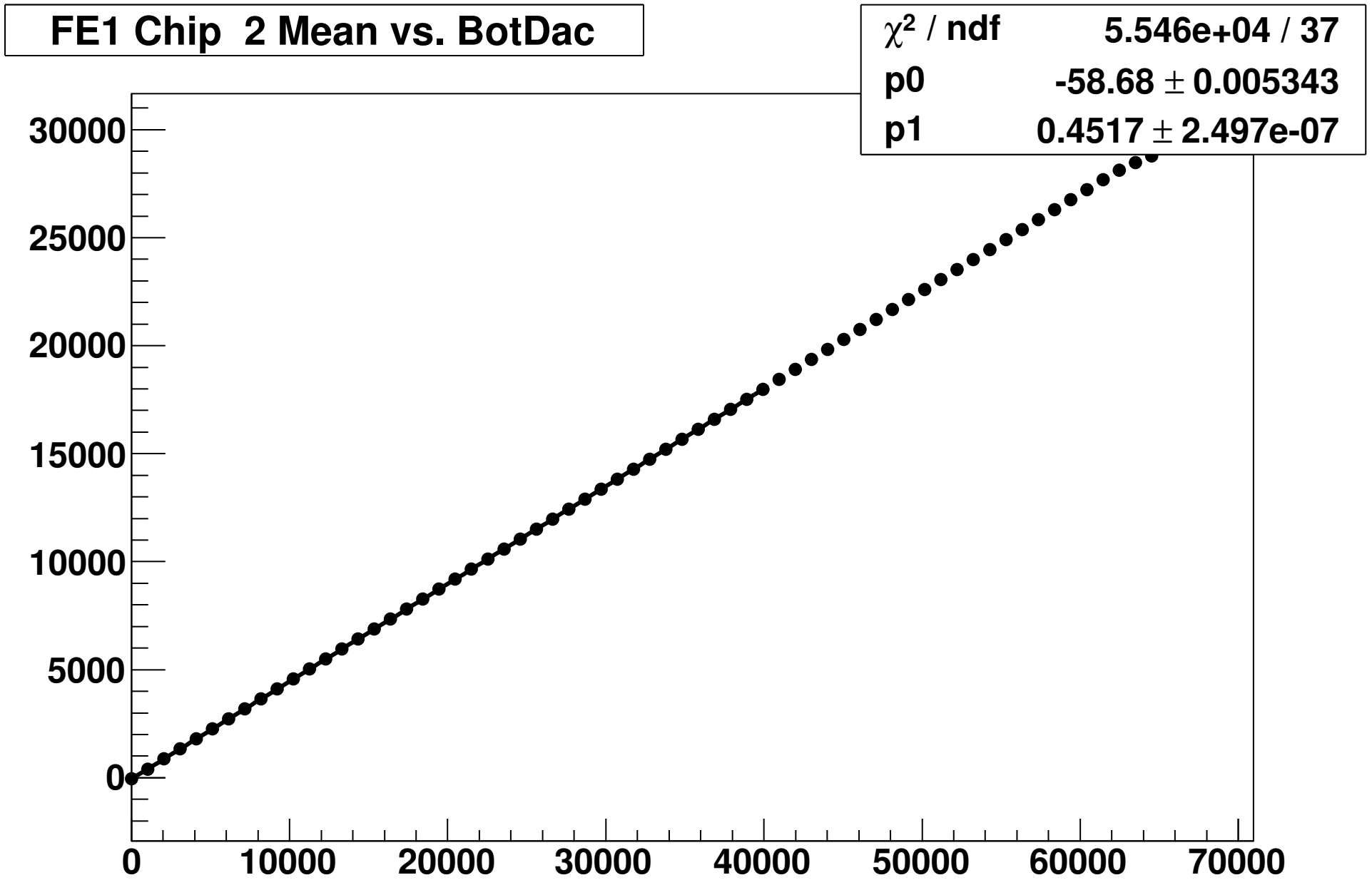
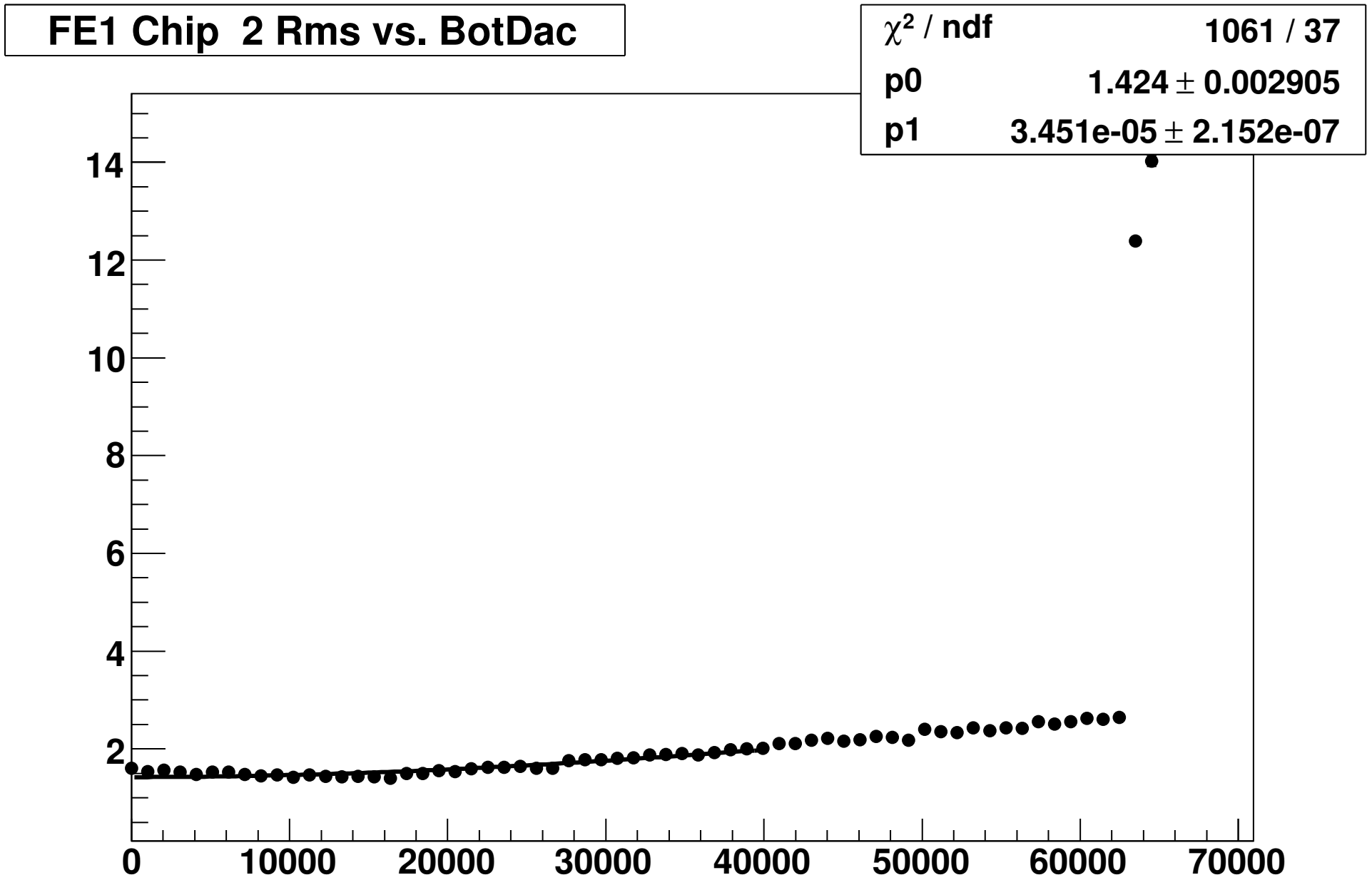
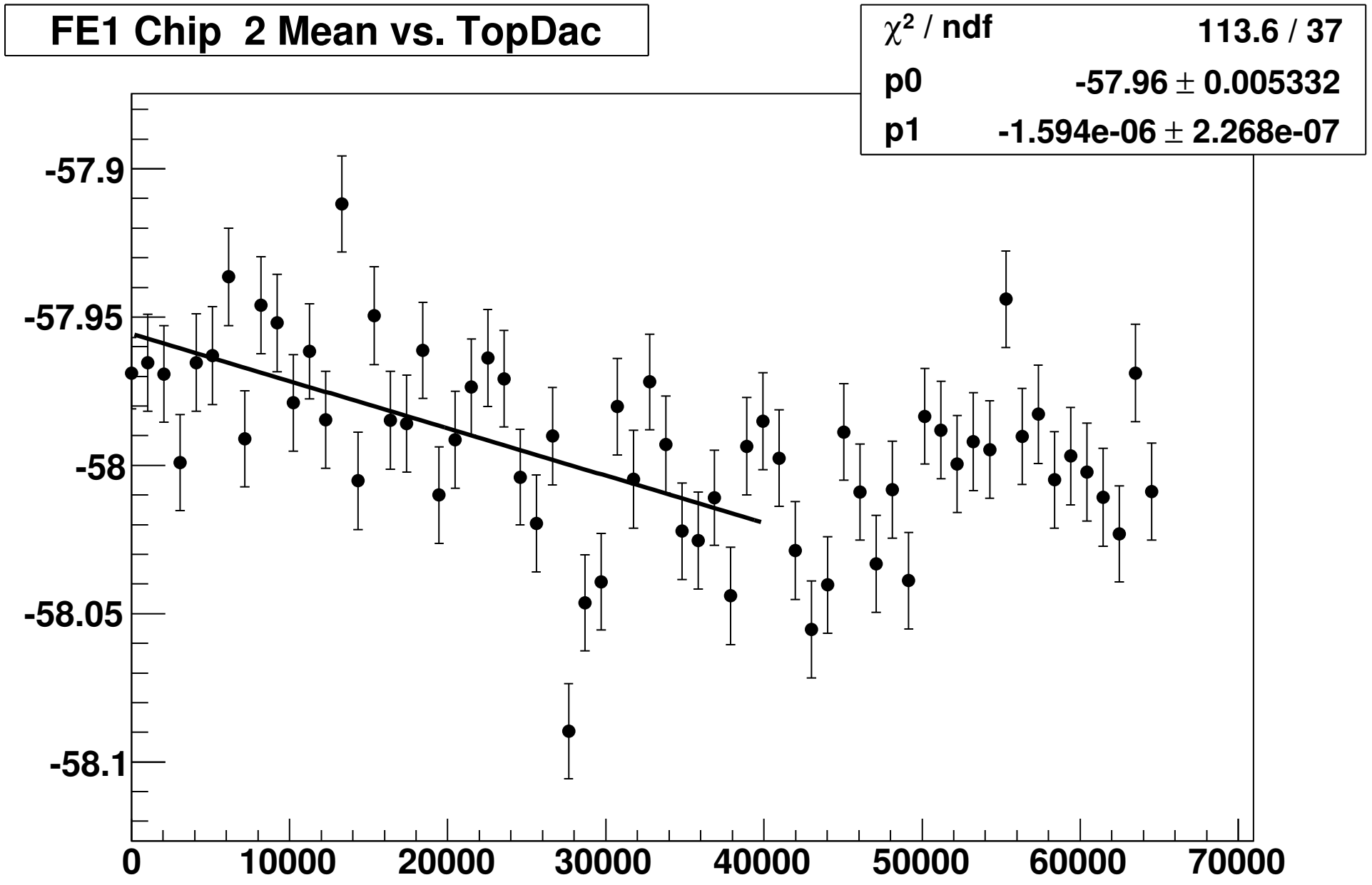
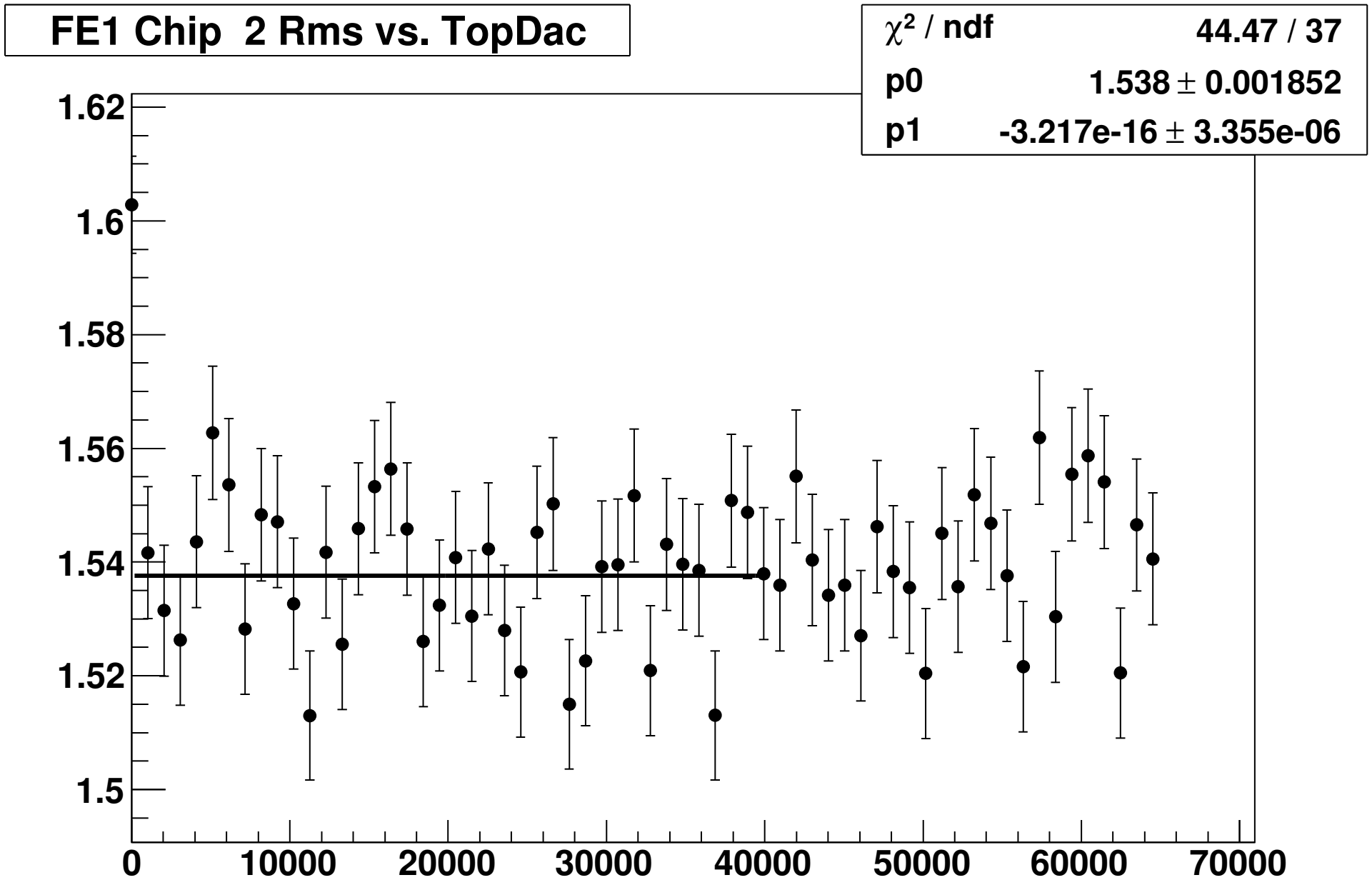
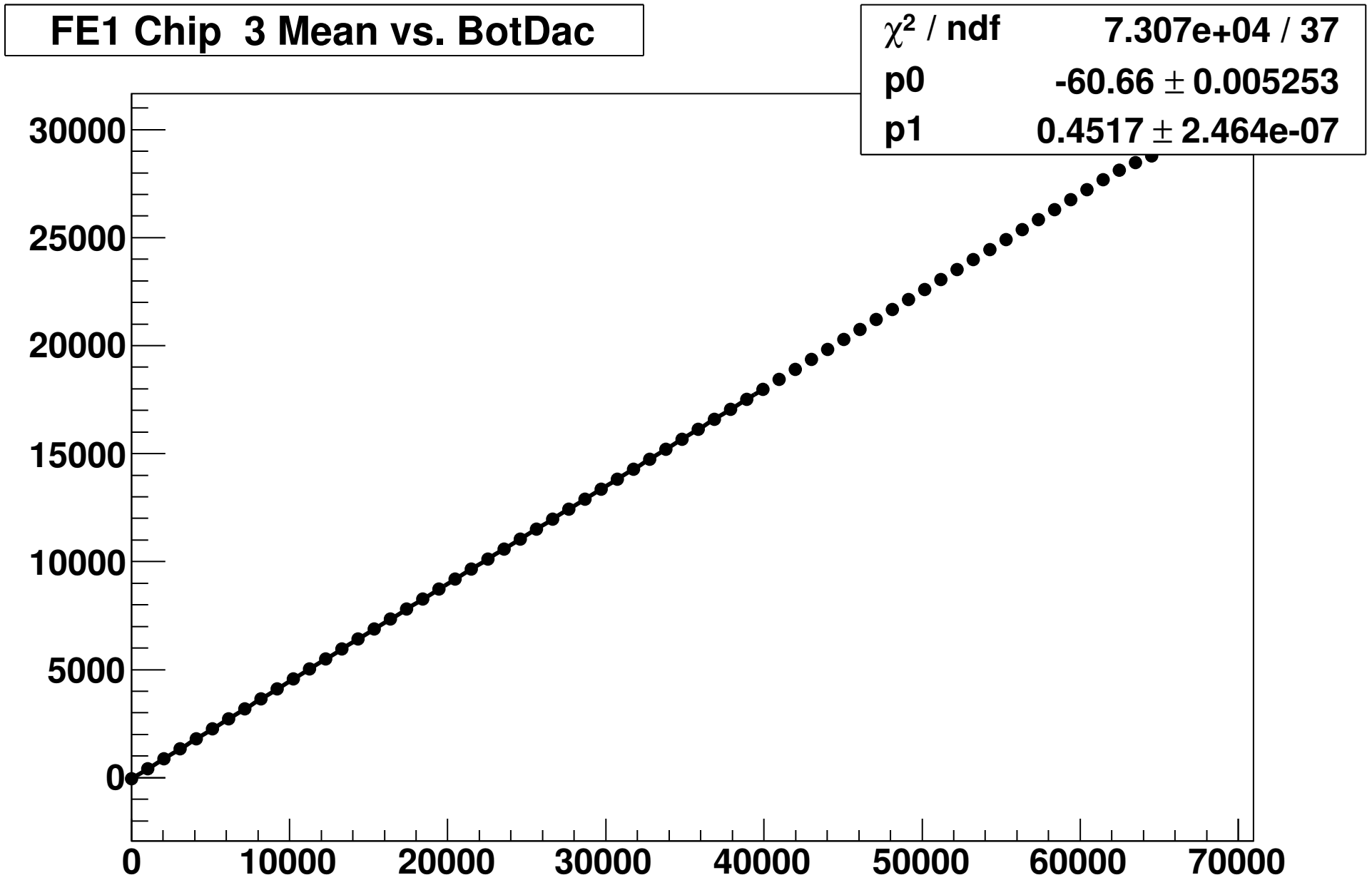
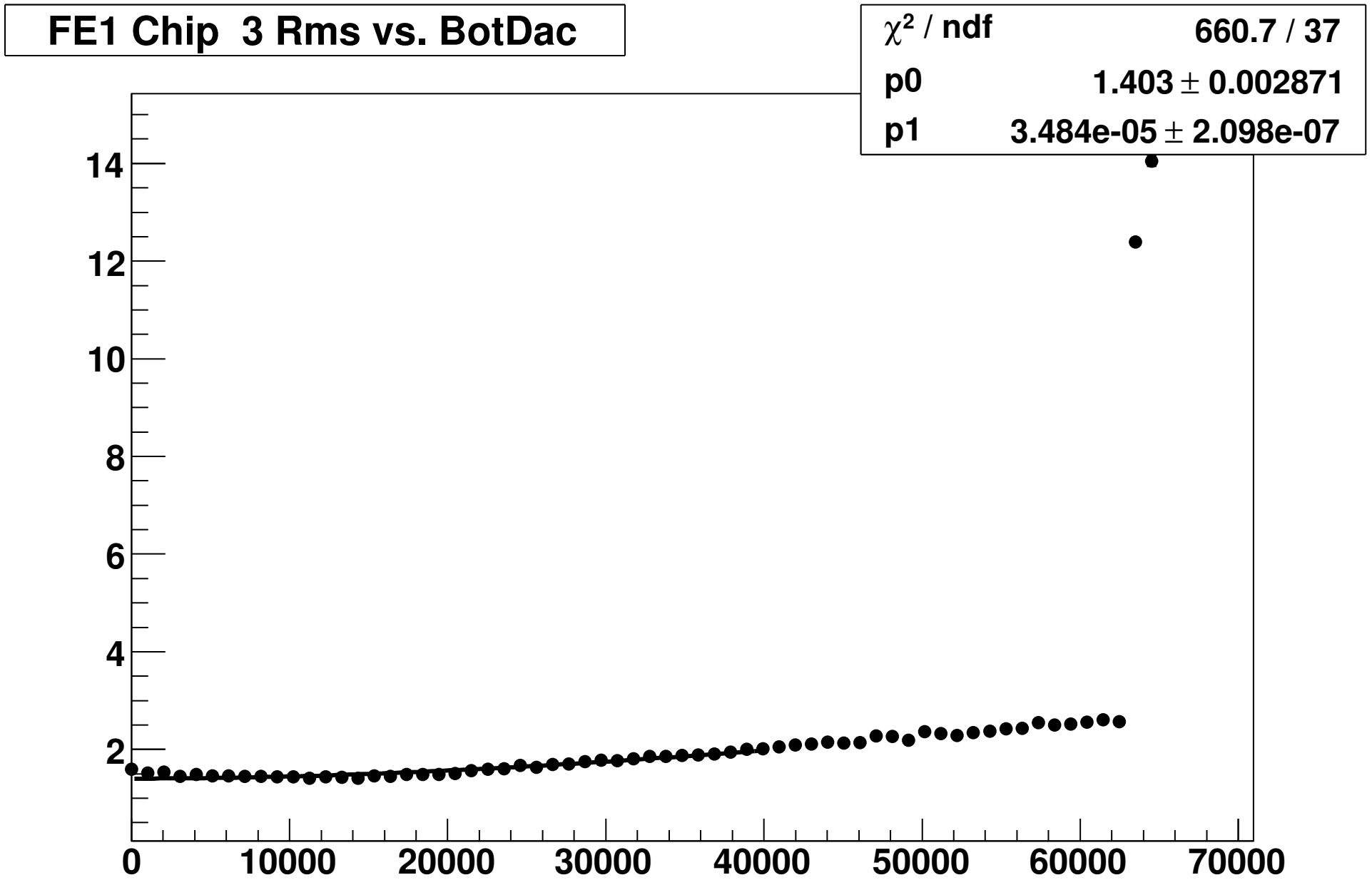

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 5.546e+04 / 37
p0 -58.68 ± 0.005343
p1 0.4517 ± 2.497e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

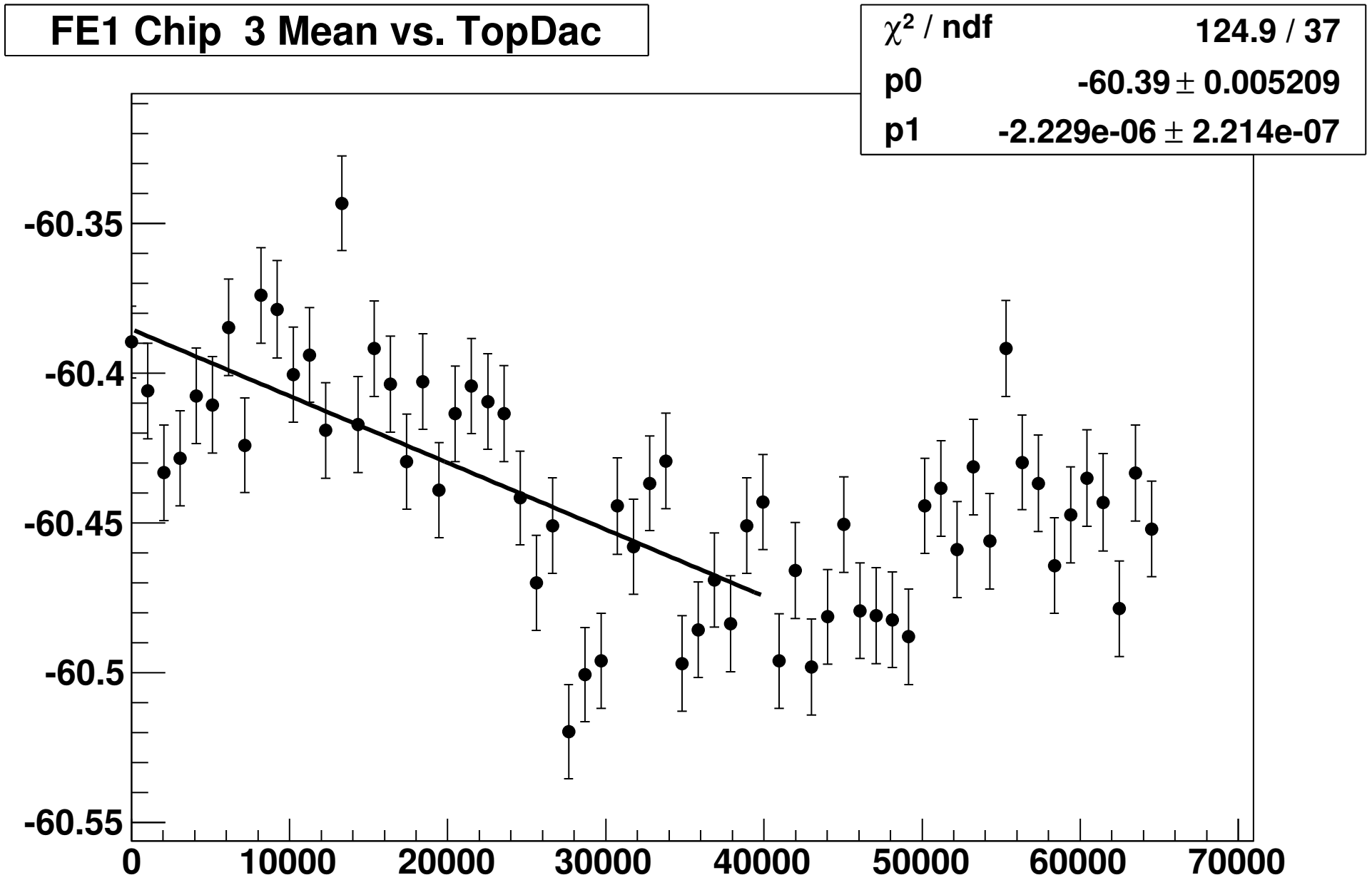

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1061 / 37
p0 1.424 ± 0.002905
p1 3.451e-05 ± 2.152e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

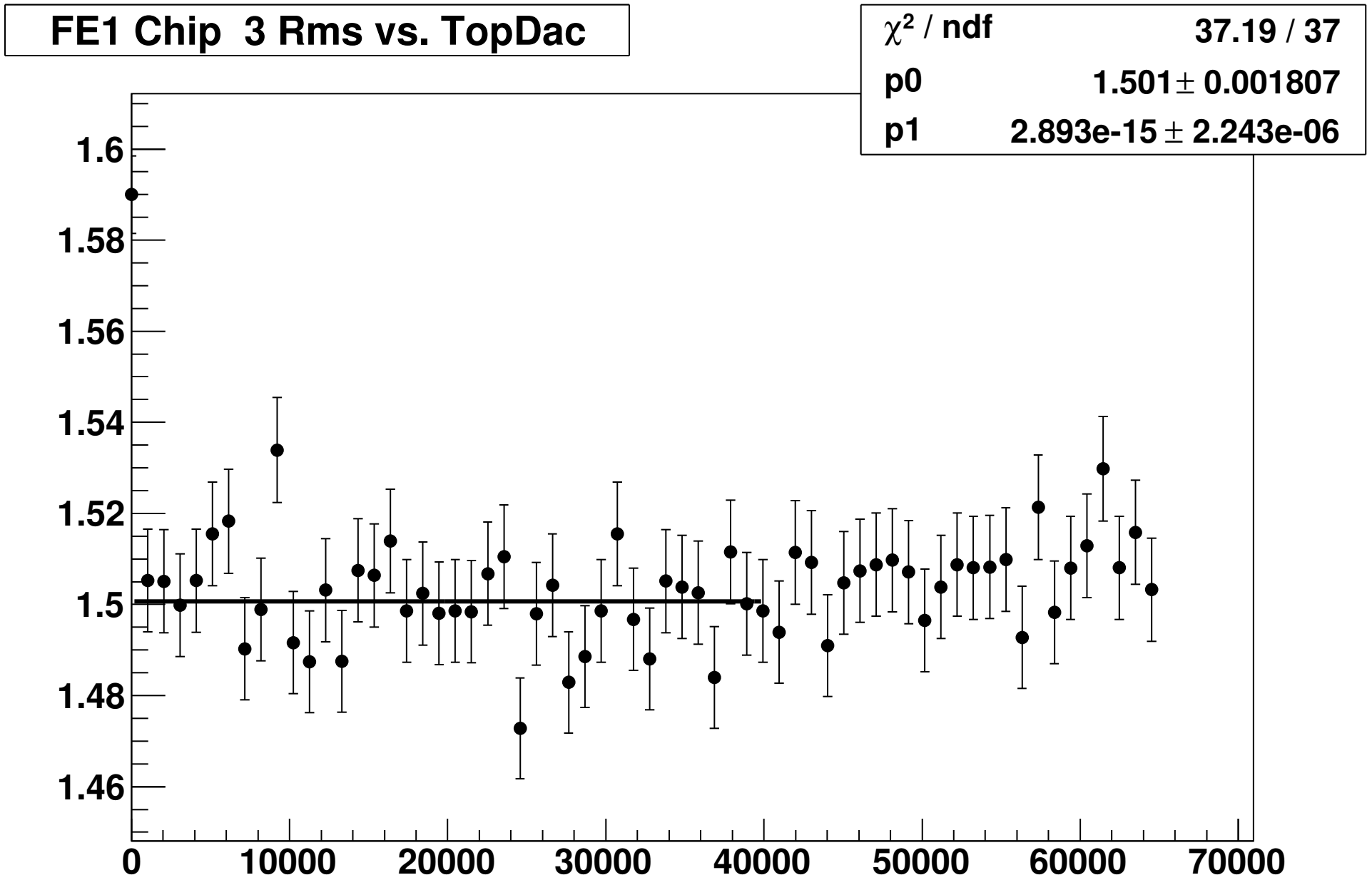

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 113.6 / 37
p0 -57.96 ± 0.005332
p1 -1.594e-06 ± 2.268e-07
-57.9
-57.95
-58
-58.05
-58.1
0
10000
20000
30000
40000
50000
60000
70000

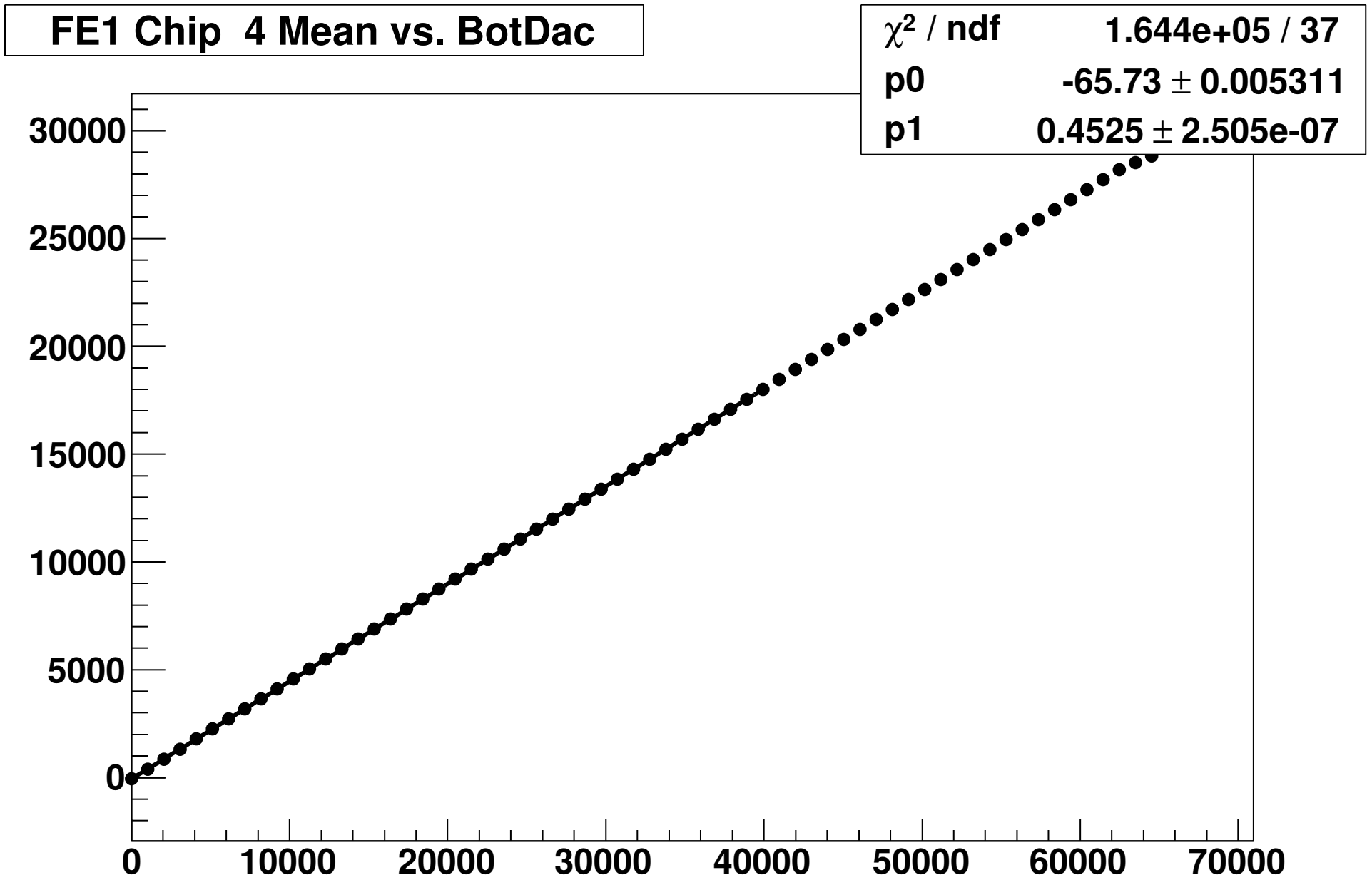

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 44.47 / 37
p0 1.538 ± 0.001852
p1 -3.217e-16 ± 3.355e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

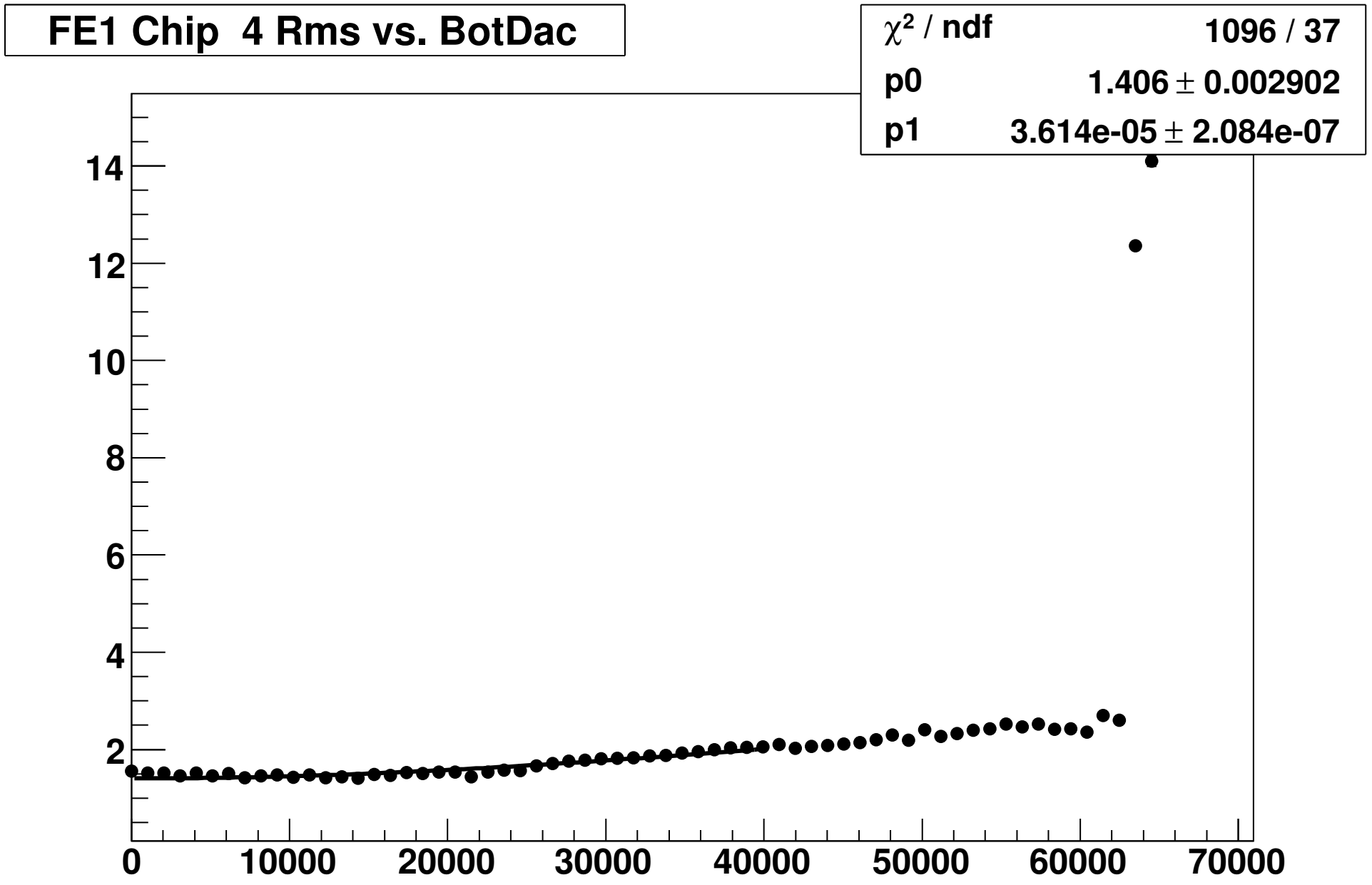

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 7.307e+04 / 37
p0 -60.66 ± 0.005253
p1 0.4517 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 660.7 / 37
p0 1.403 ± 0.002871
p1 3.484e-05 ± 2.098e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 124.9 / 37
p0 -60.39 ± 0.005209
p1 -2.229e-06 ± 2.214e-07
-60.35
-60.4
-60.45
-60.5
-60.55
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 37.19 / 37
p0 1.501 ± 0.001807
p1 2.893e-15 ± 2.243e-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


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.644e+05 / 37
p0 -65.73 ± 0.005311
p1 0.4525 ± 2.505e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1096 / 37
p0 1.406 ± 0.002902
p1 3.614e-05 ± 2.084e-07
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12
10
8
6
4
2
0
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20000
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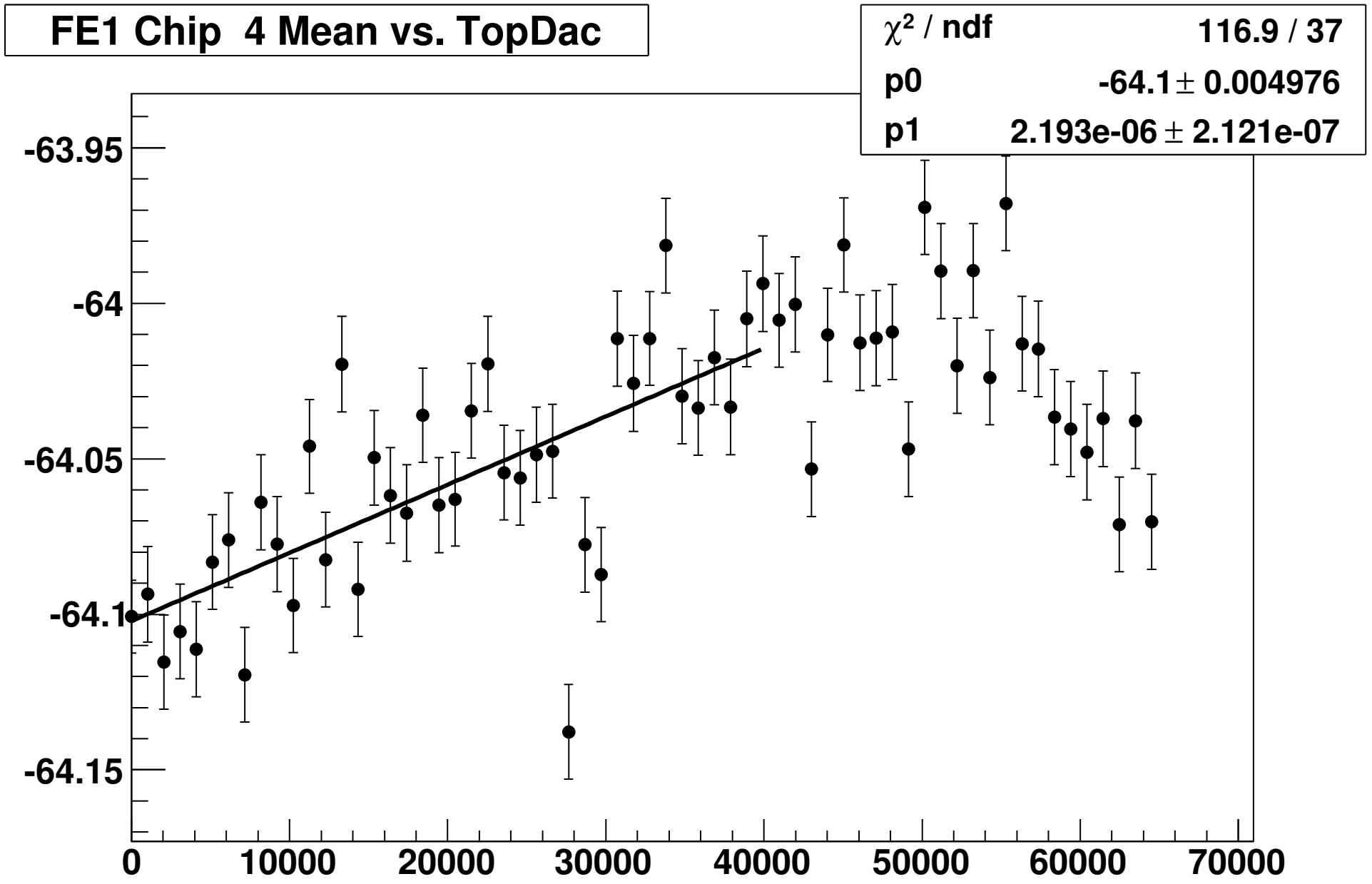
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 116.9 / 37
p0 -64.1 ± 0.004976
p1 2.193e-06 ± 2.121e-07
-63.95
-64
-64.05
-64.1
-64.15
0
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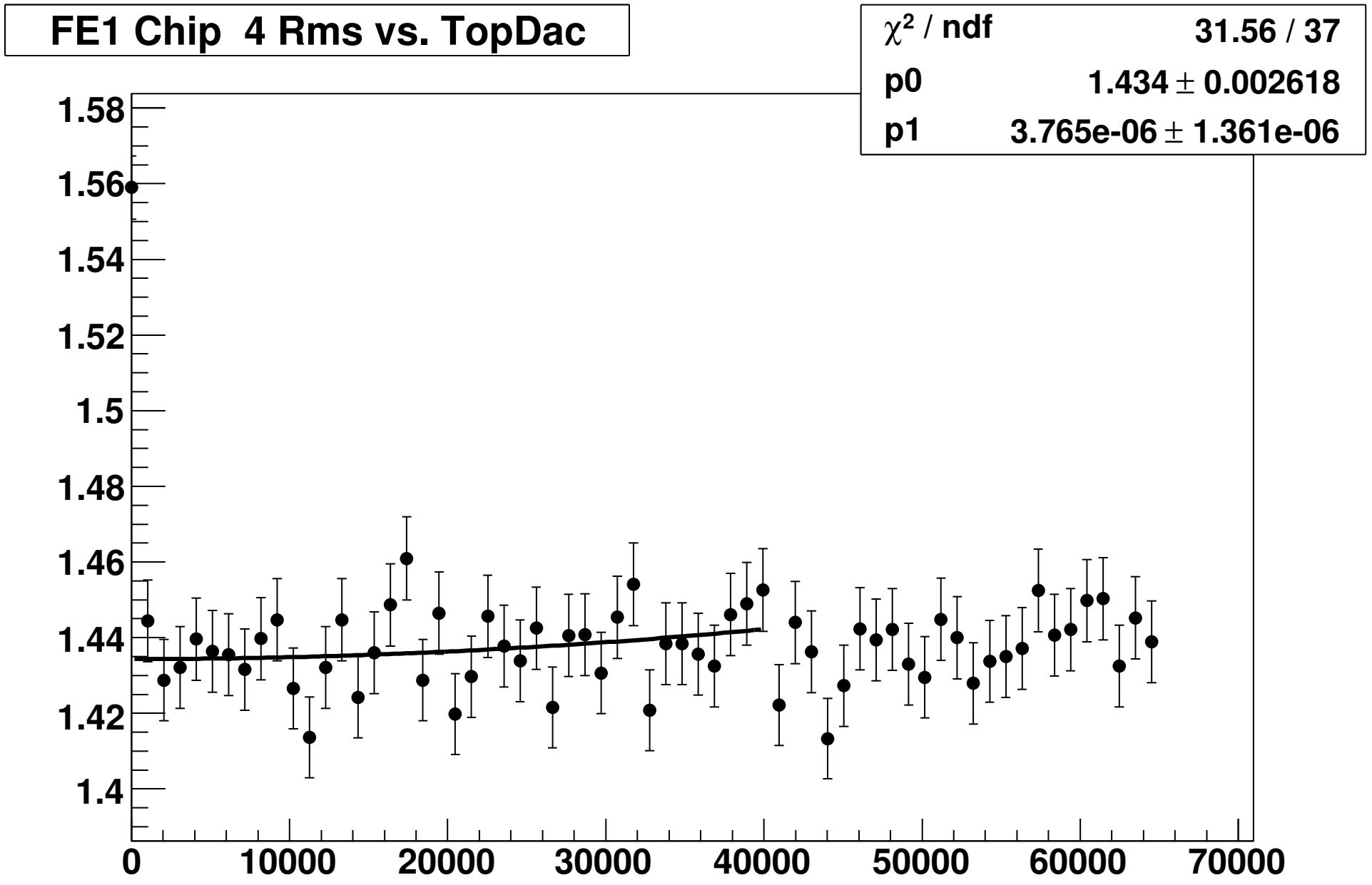
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 31.56 / 37
p0 1.434 ± 0.002618
p1 3.765e-06 ± 1.361e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
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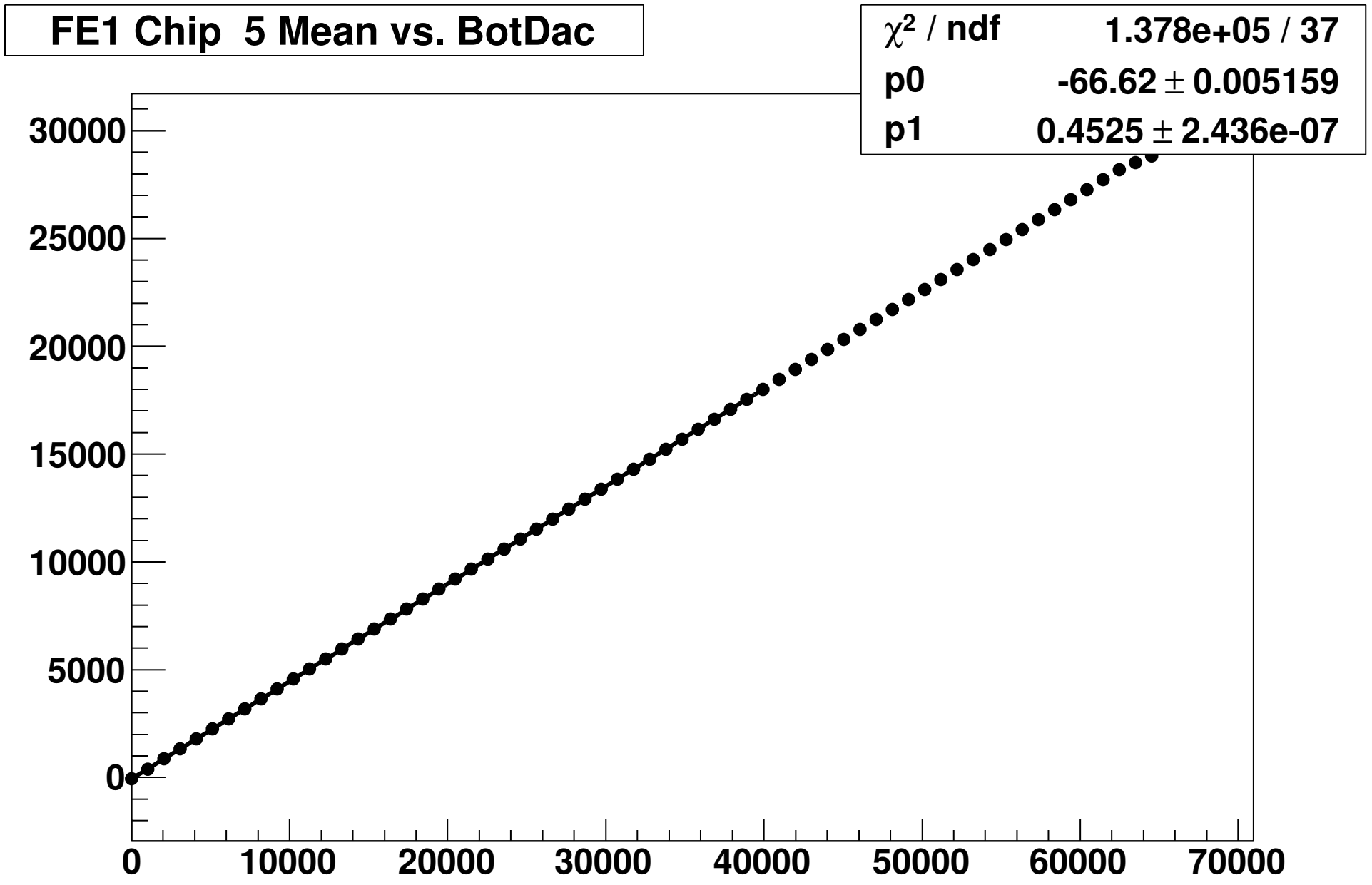
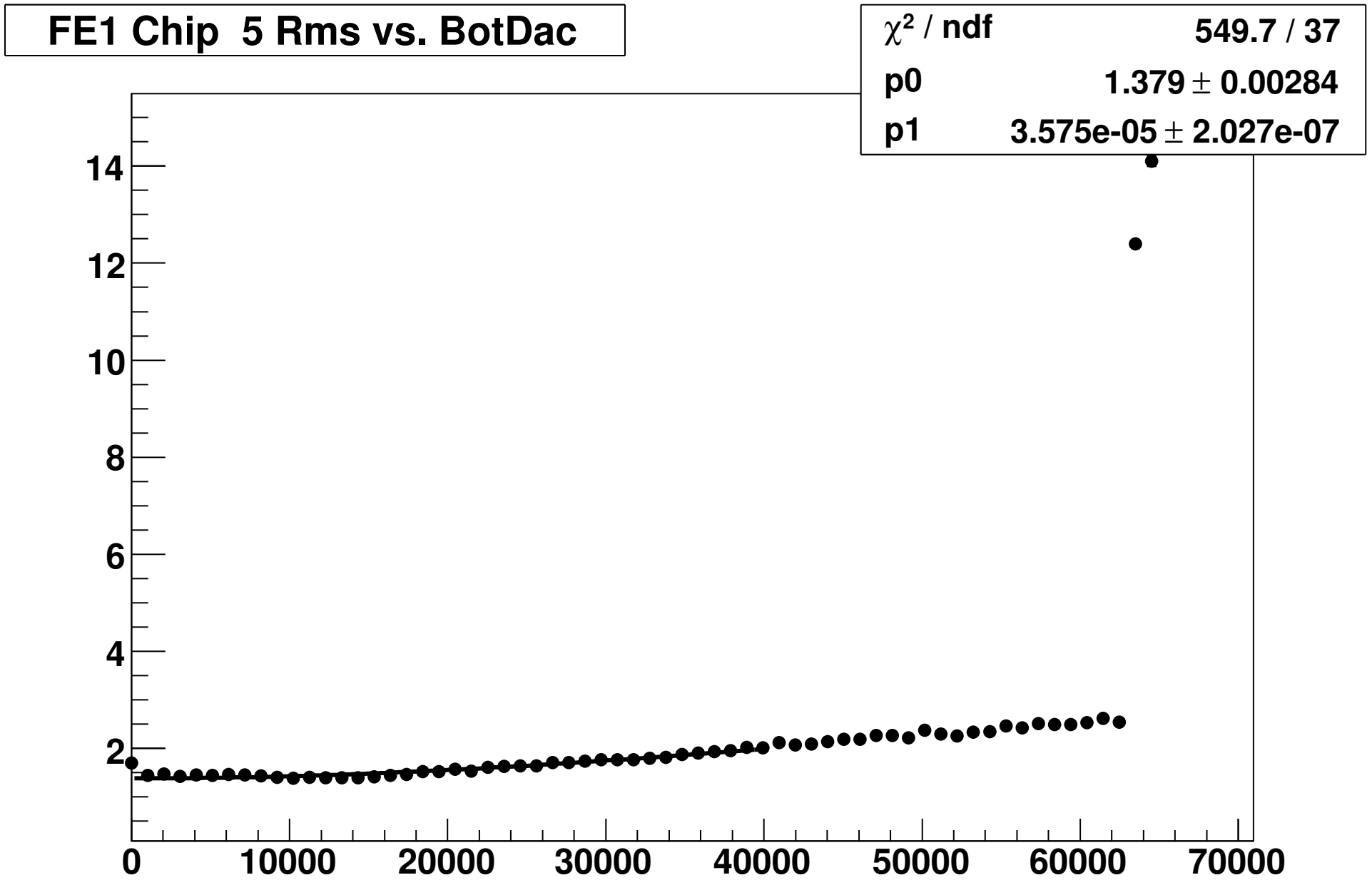
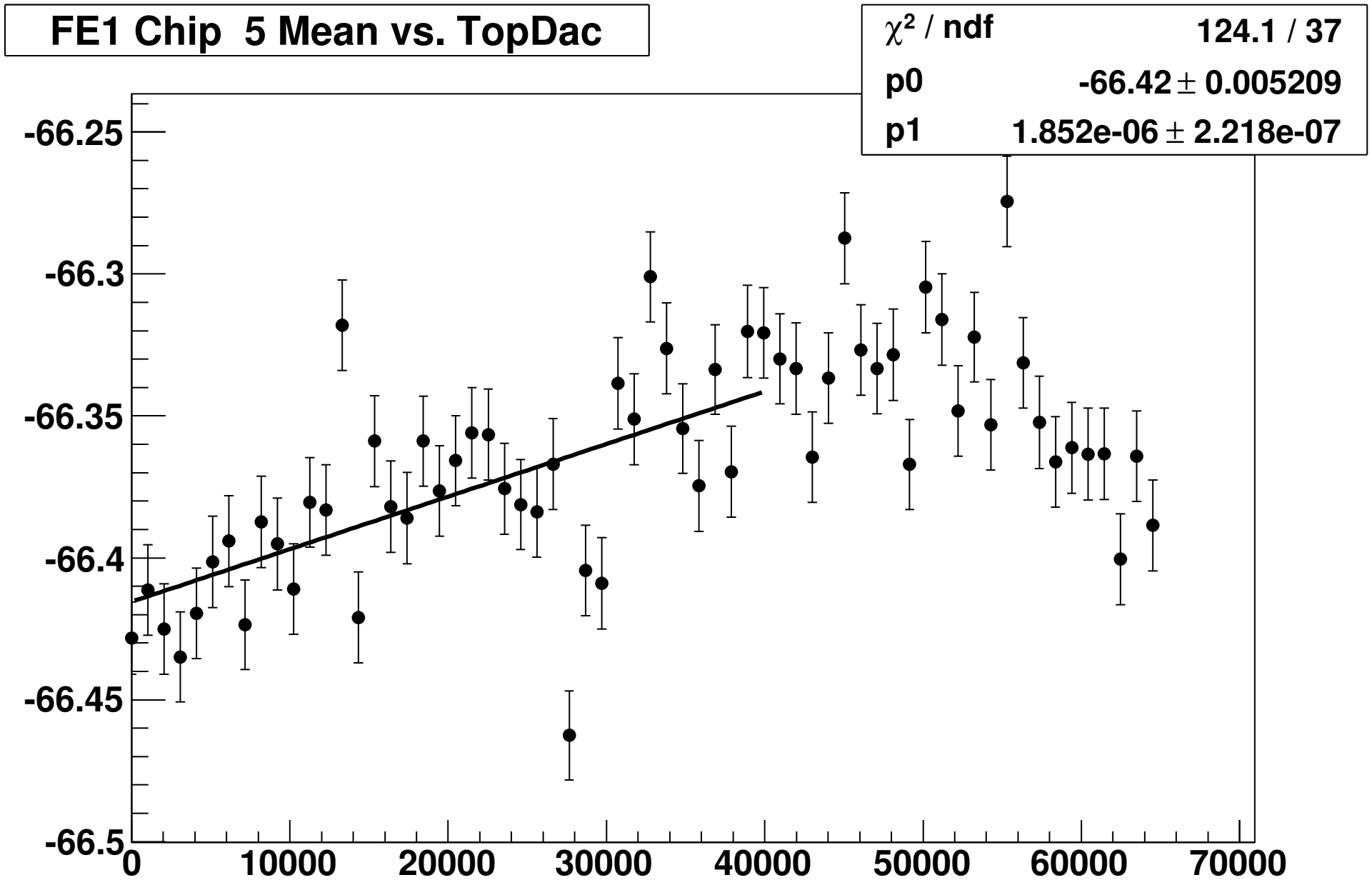
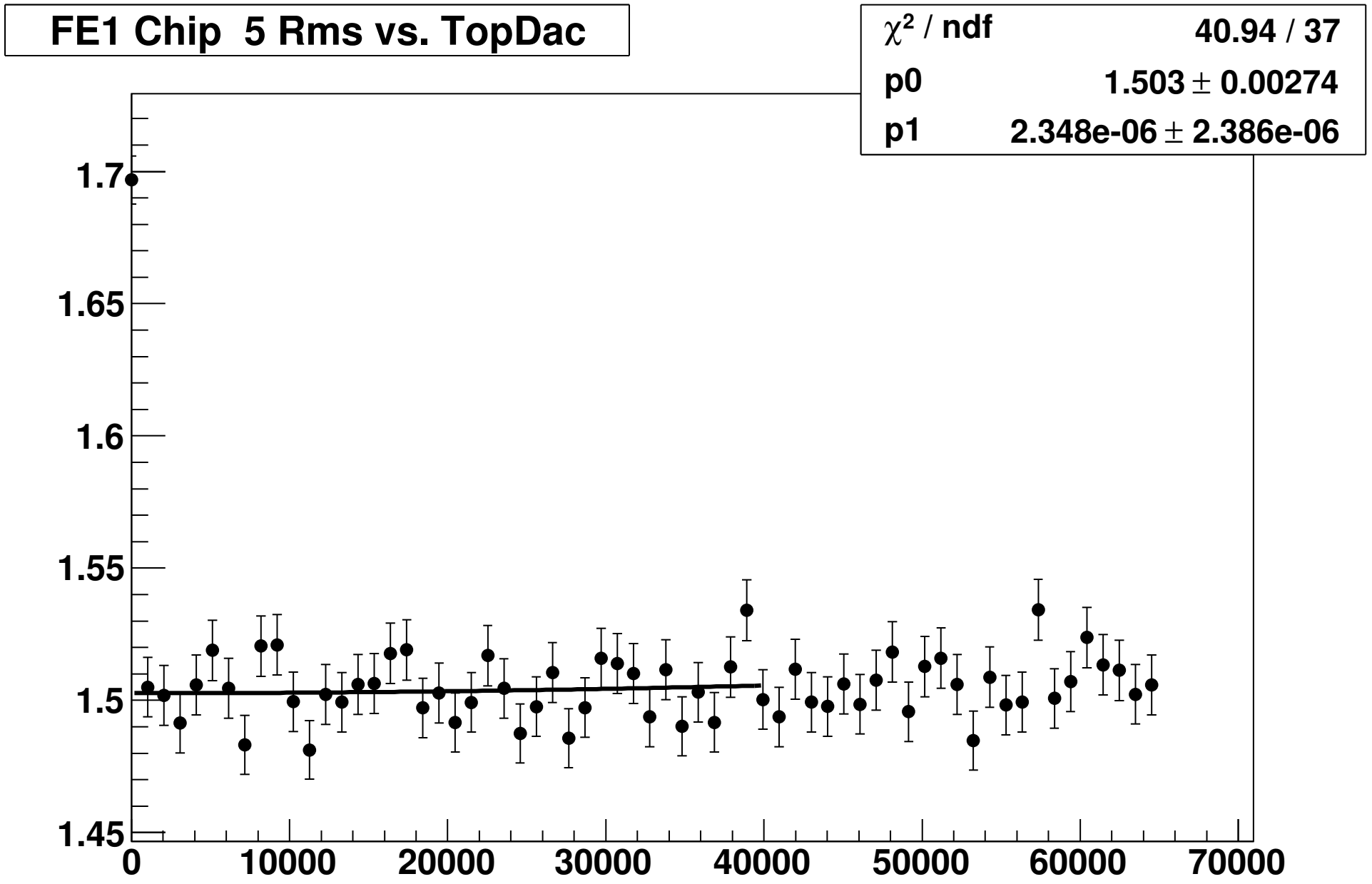
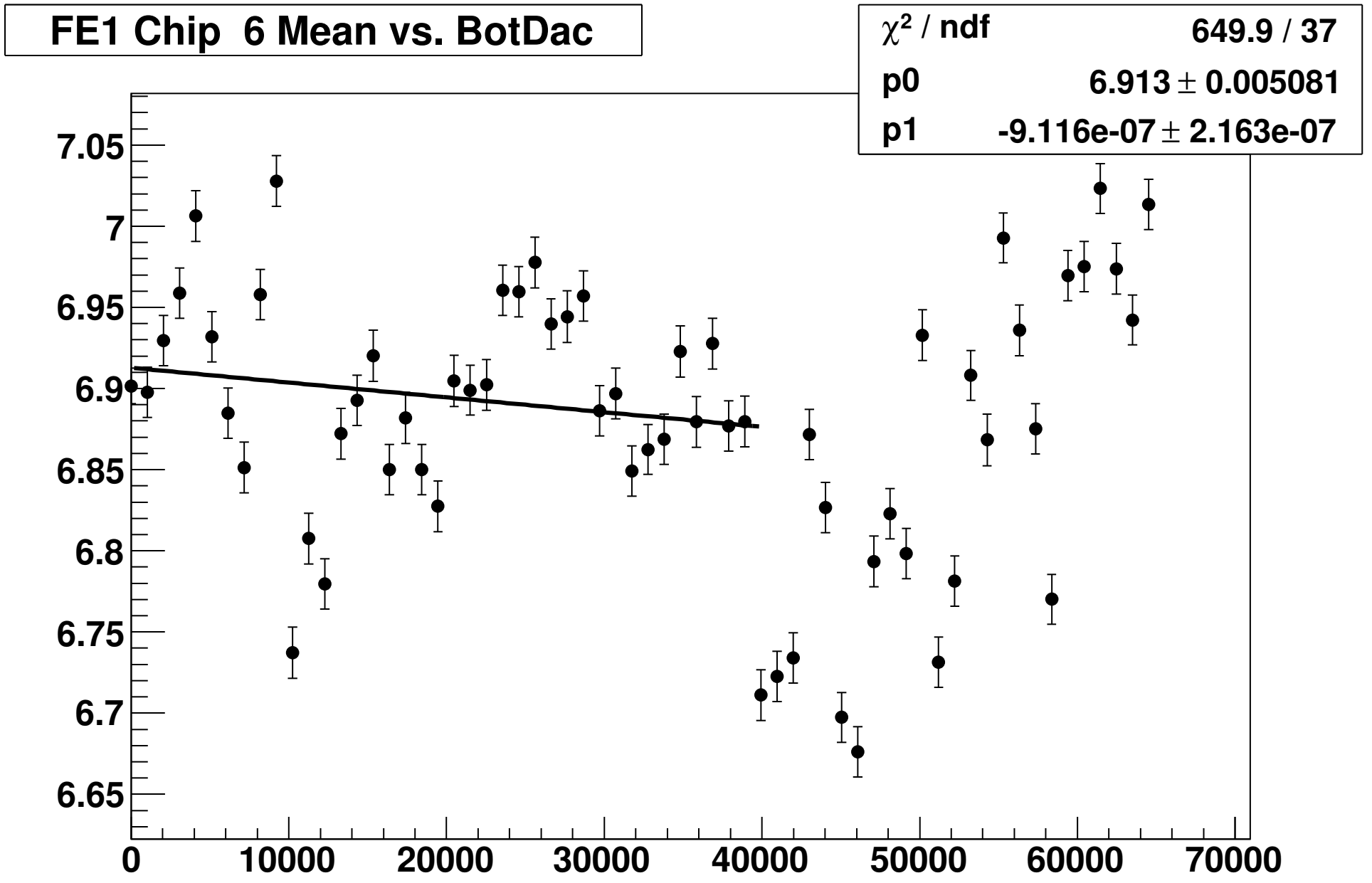
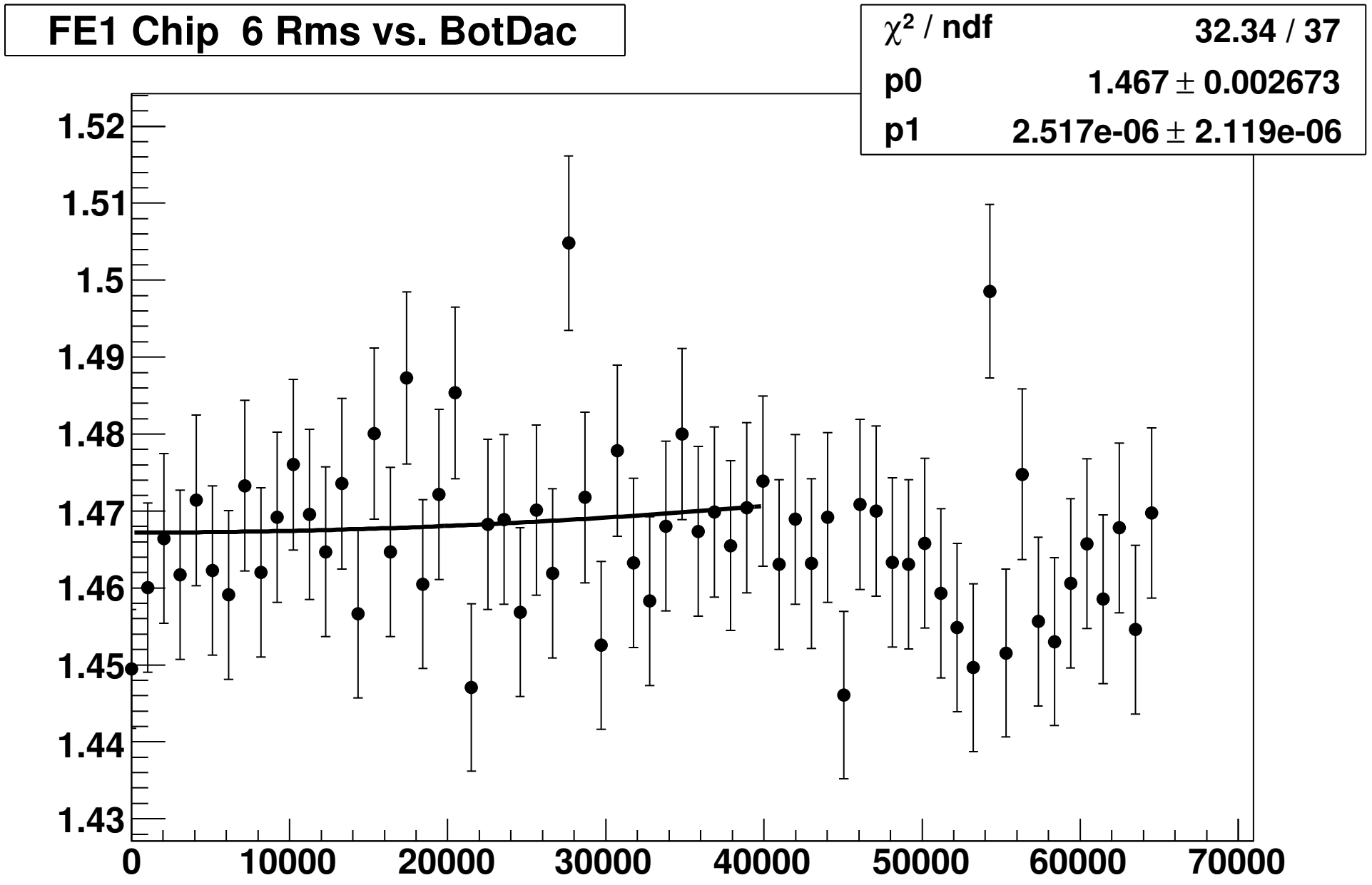

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.378e+05 / 37
p0 -66.62 ± 0.005159
p1 0.4525 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 549.7 / 37
p0 1.379 ± 0.00284
p1 3.575e-05 ± 2.027e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 124.1 / 37
p0 -66.42 ± 0.005209
p1 1.852e-06 ± 2.218e-07
-66.25
-66.3
-66.35
-66.4
-66.45
-66.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 40.94 / 37
p0 1.503 ± 0.00274
p1 2.348e-06 ± 2.386e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 649.9 / 37
p0 6.913 ± 0.005081
p1 -9.116e-07 ± 2.163e-07
7.05
7
6.95
6.9
6.85
6.8
6.75
6.7
6.65
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 32.34 / 37
p0 1.467 ± 0.002673
p1 2.517e-06 ± 2.119e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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50000
60000
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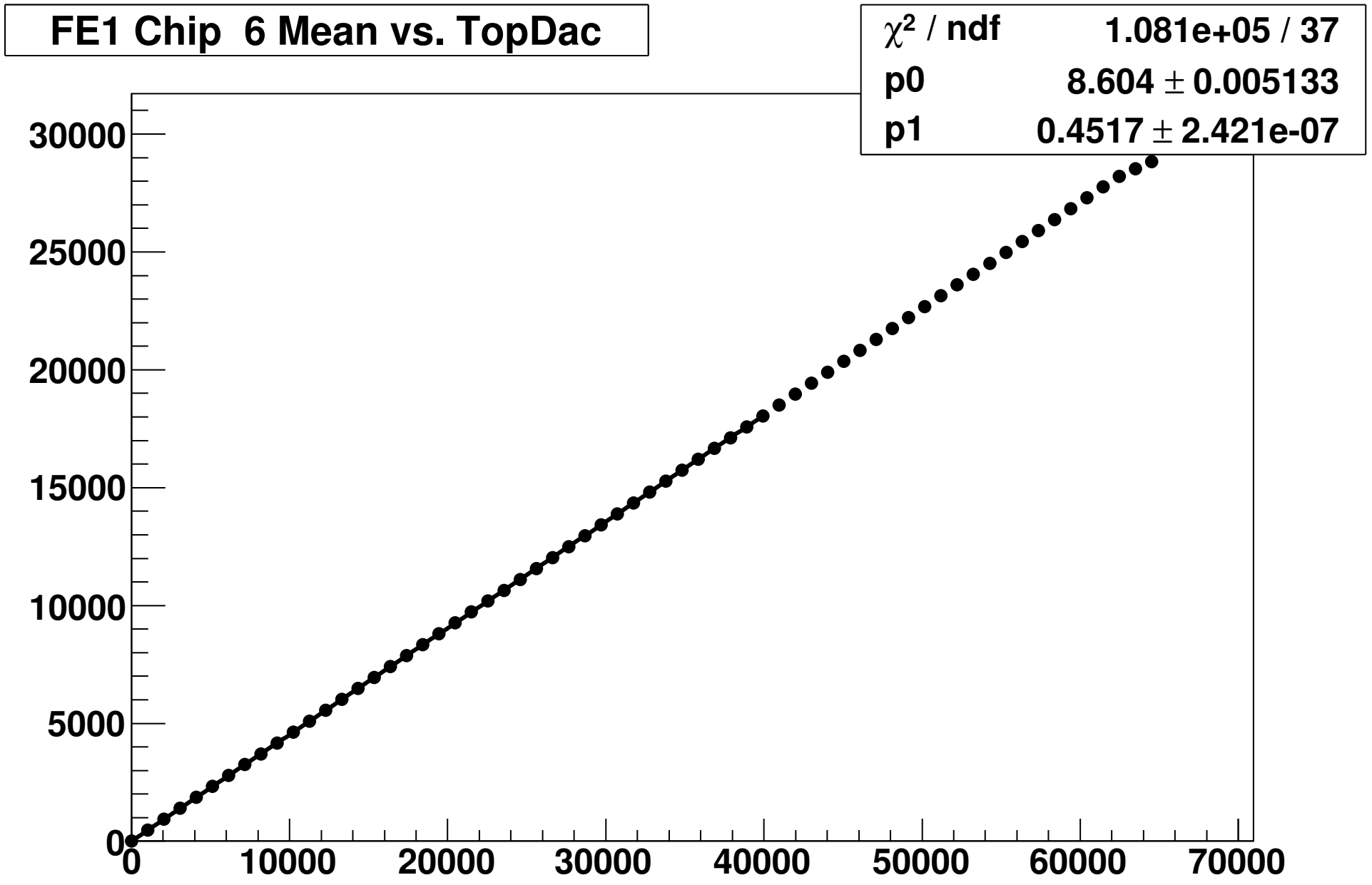
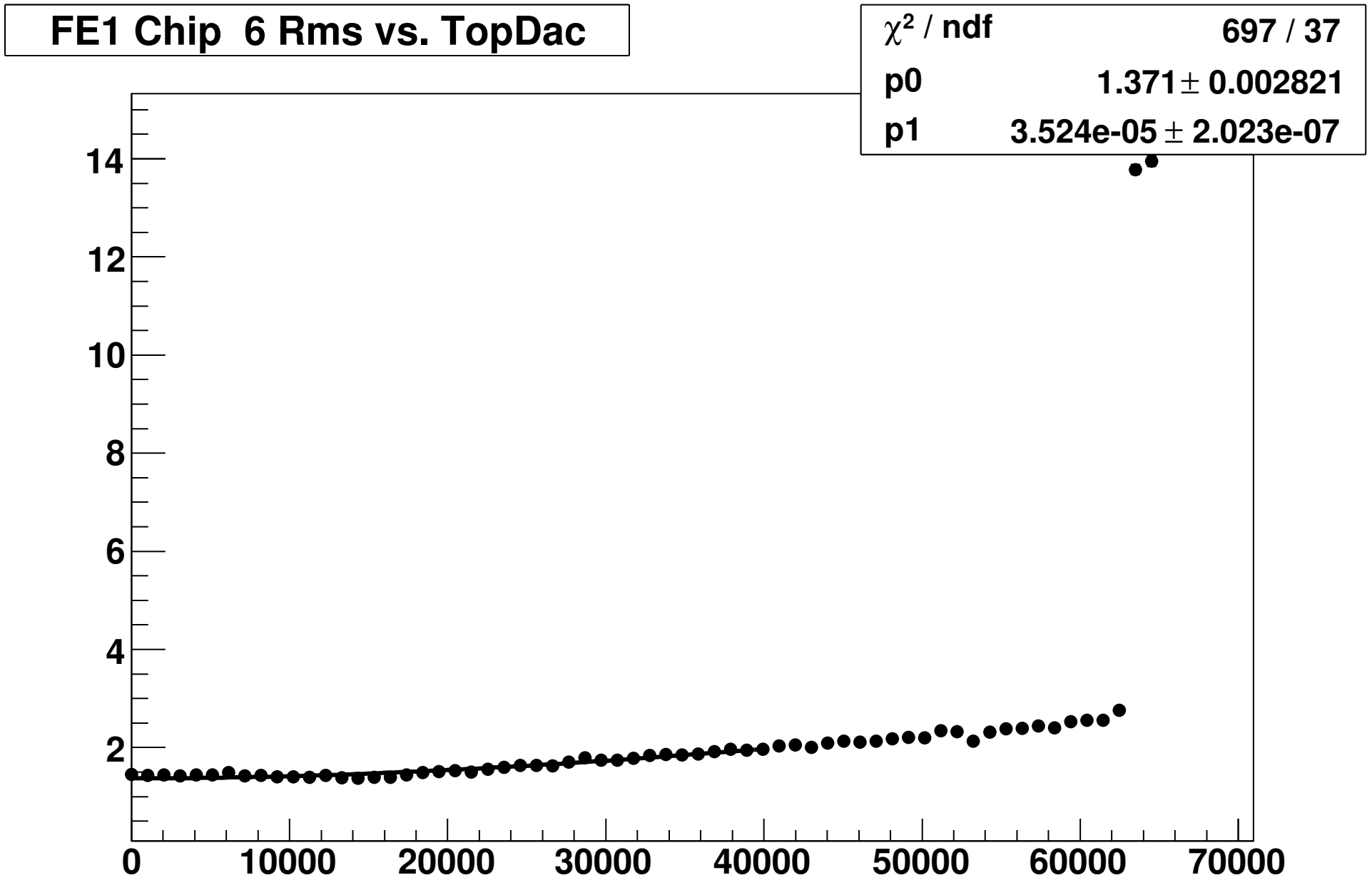
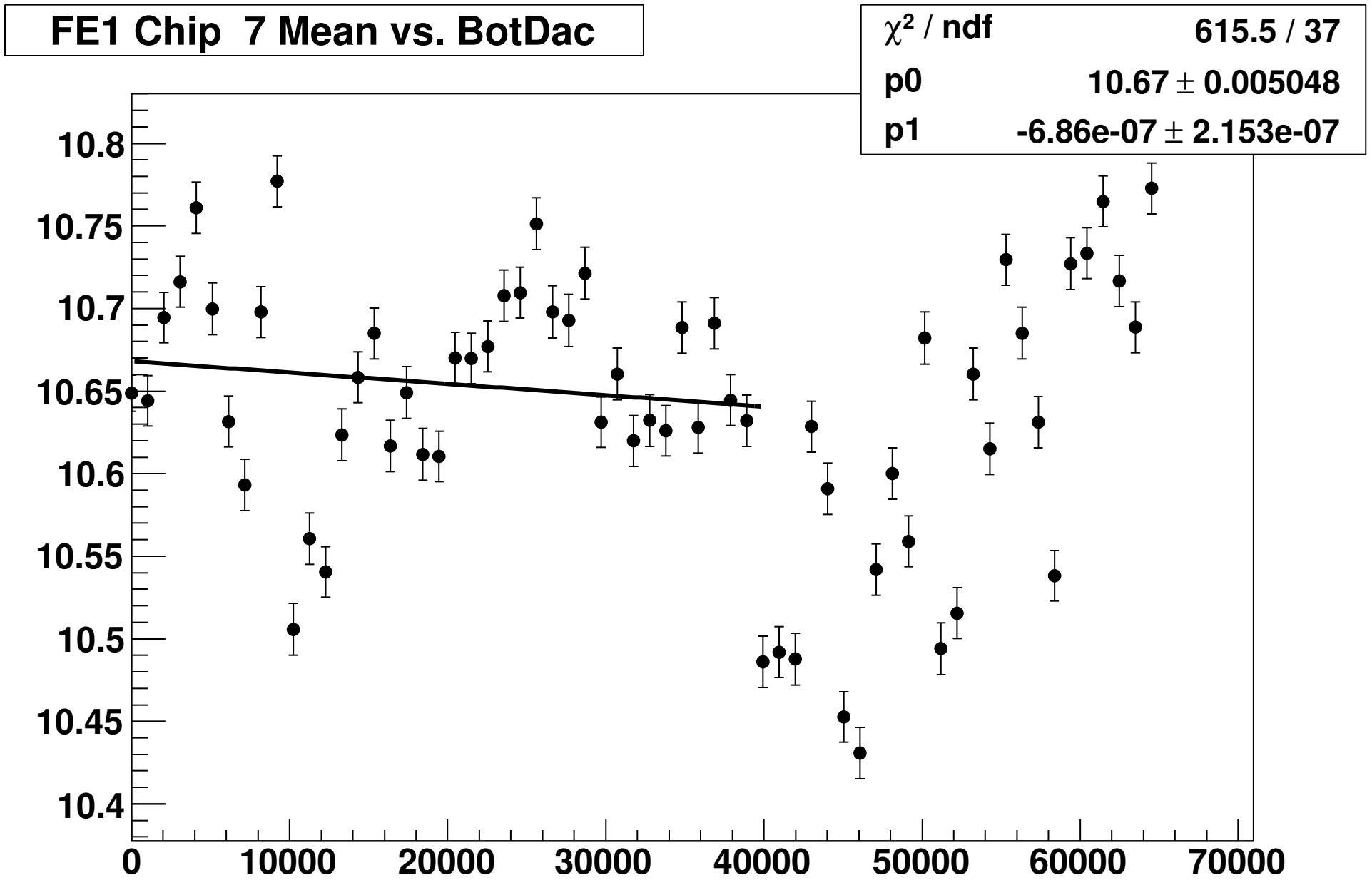
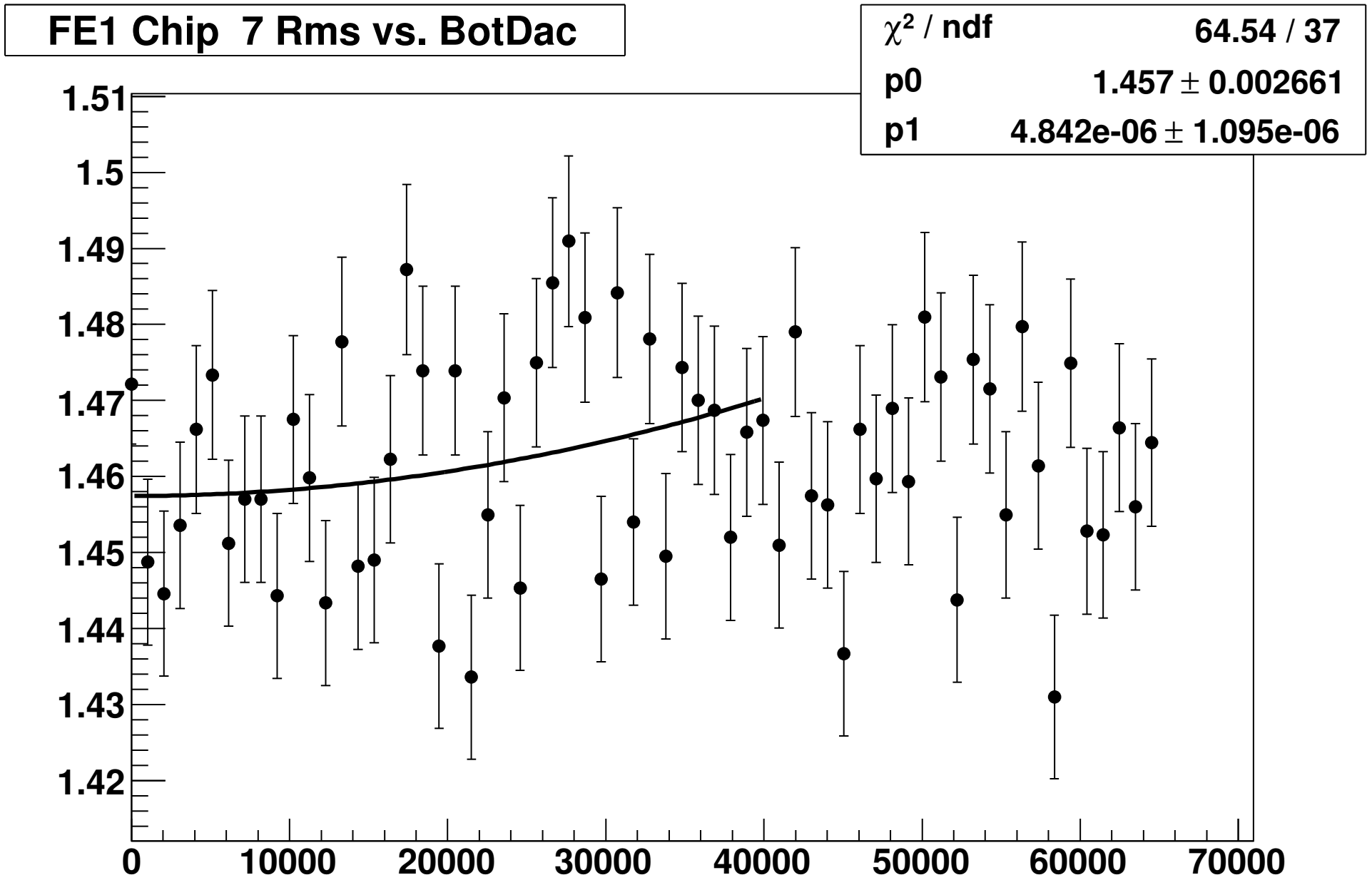
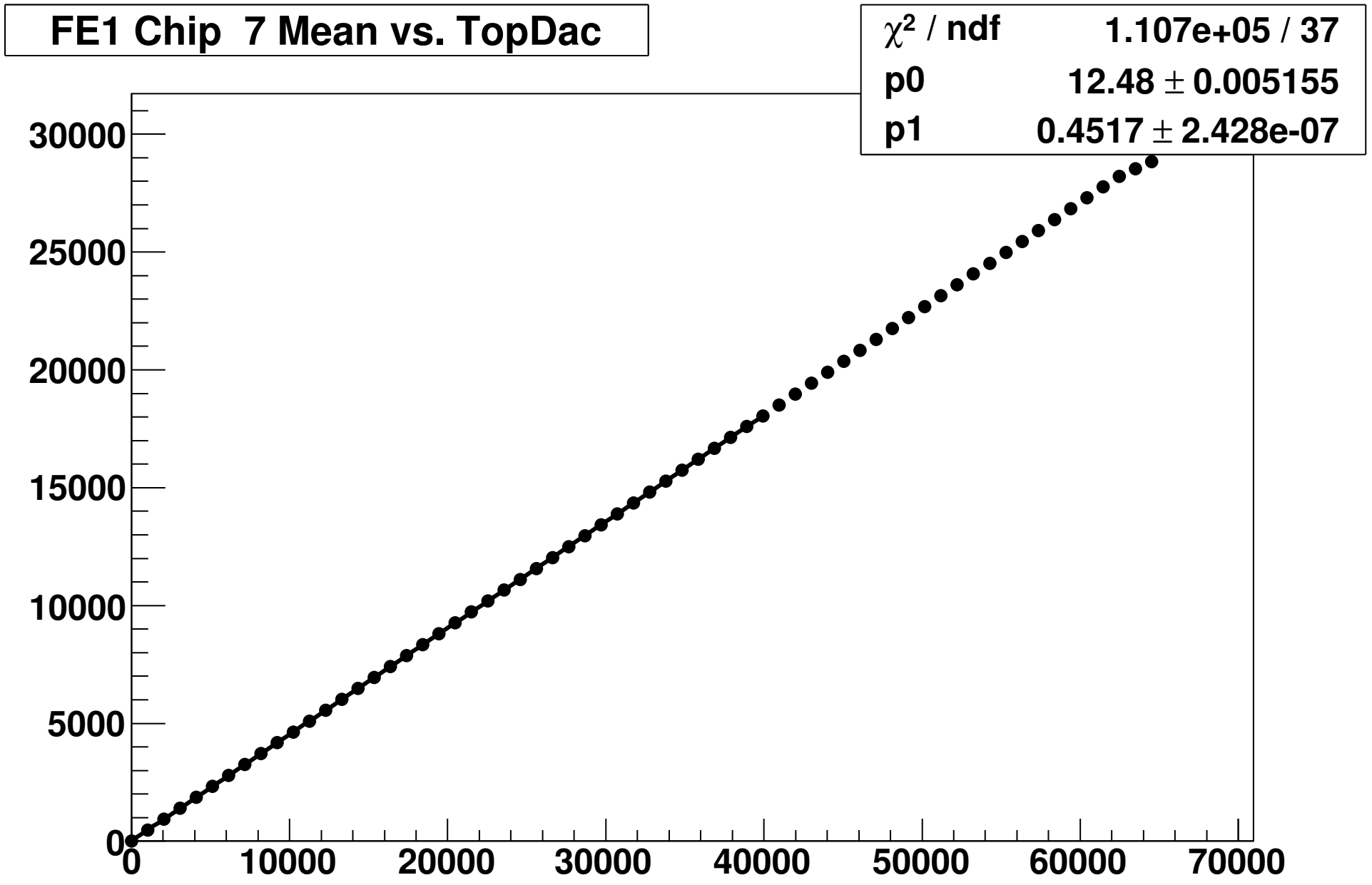
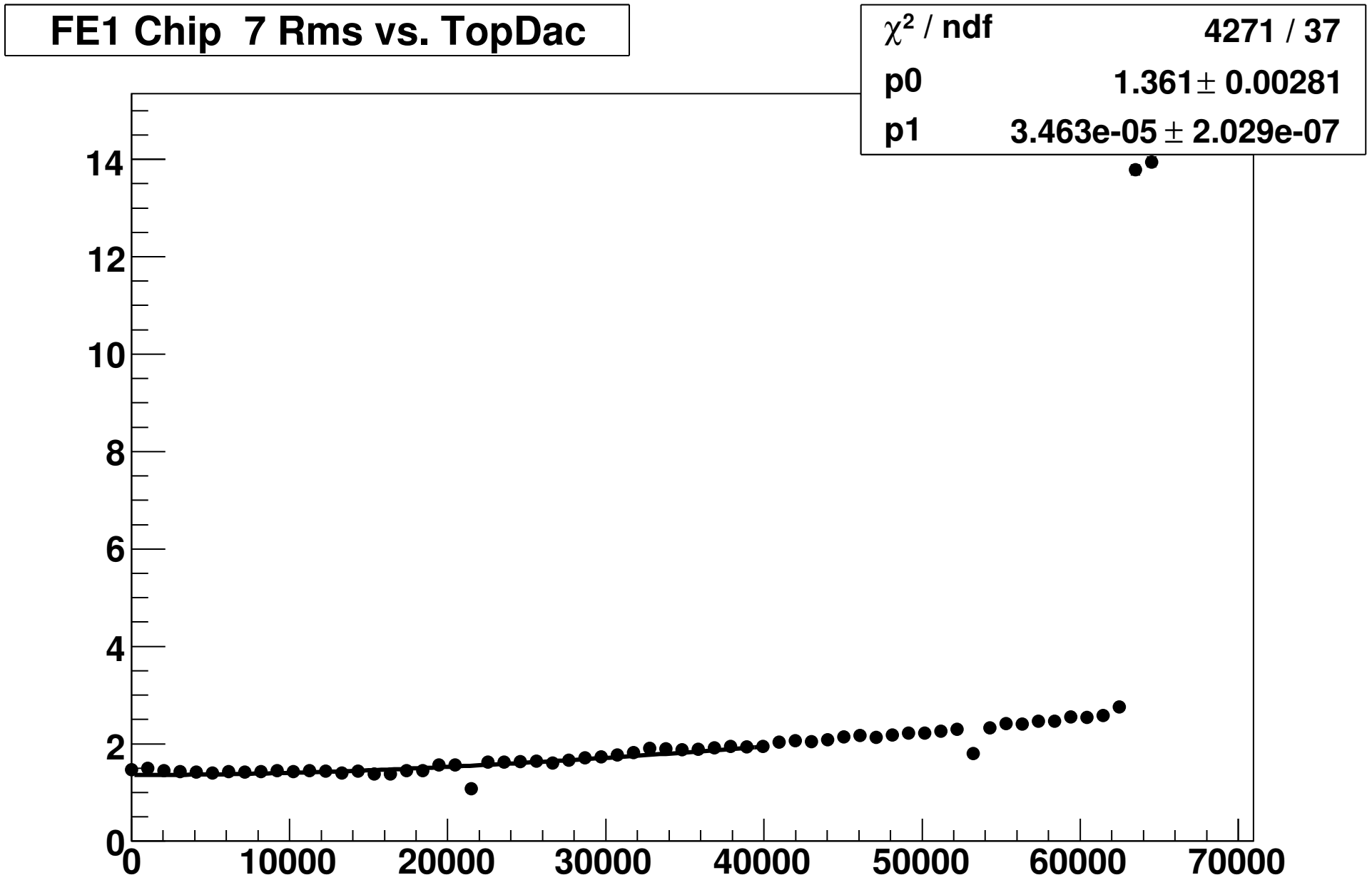

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.081e+05 / 37
p0 8.604 ± 0.005133
p1 0.4517 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

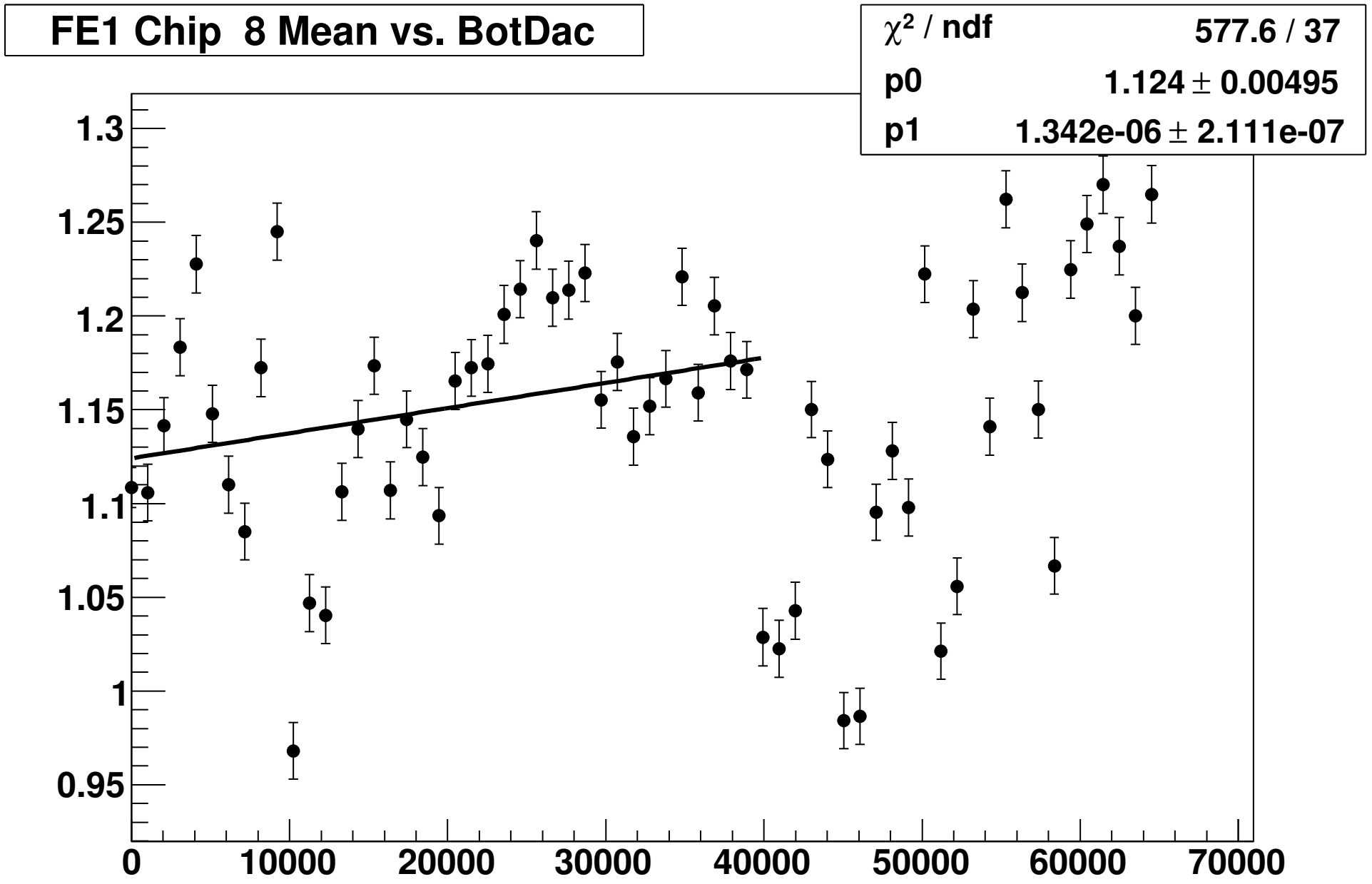

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 697 / 37
p0 1.371 ± 0.002821
p1 3.524e-05 ± 2.023e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

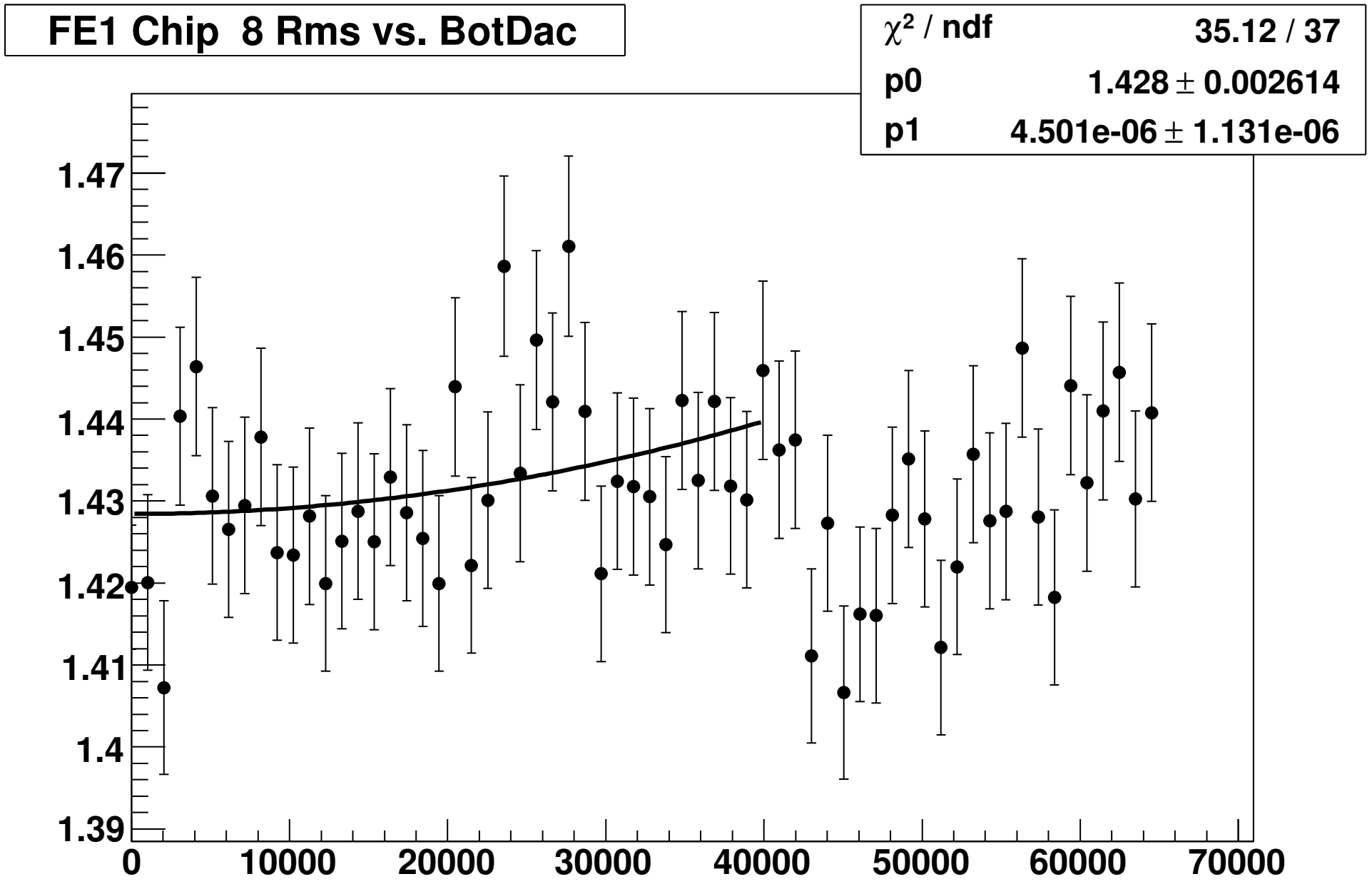

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 615.5 / 37
p0 10.67 ± 0.005048
p1 -6.86e-07 ± 2.153e-07
10.8
10.75
10.7
10.65
10.6
10.55
10.5
10.45
10.4
0
10000
20000
30000
40000
50000
60000
70000

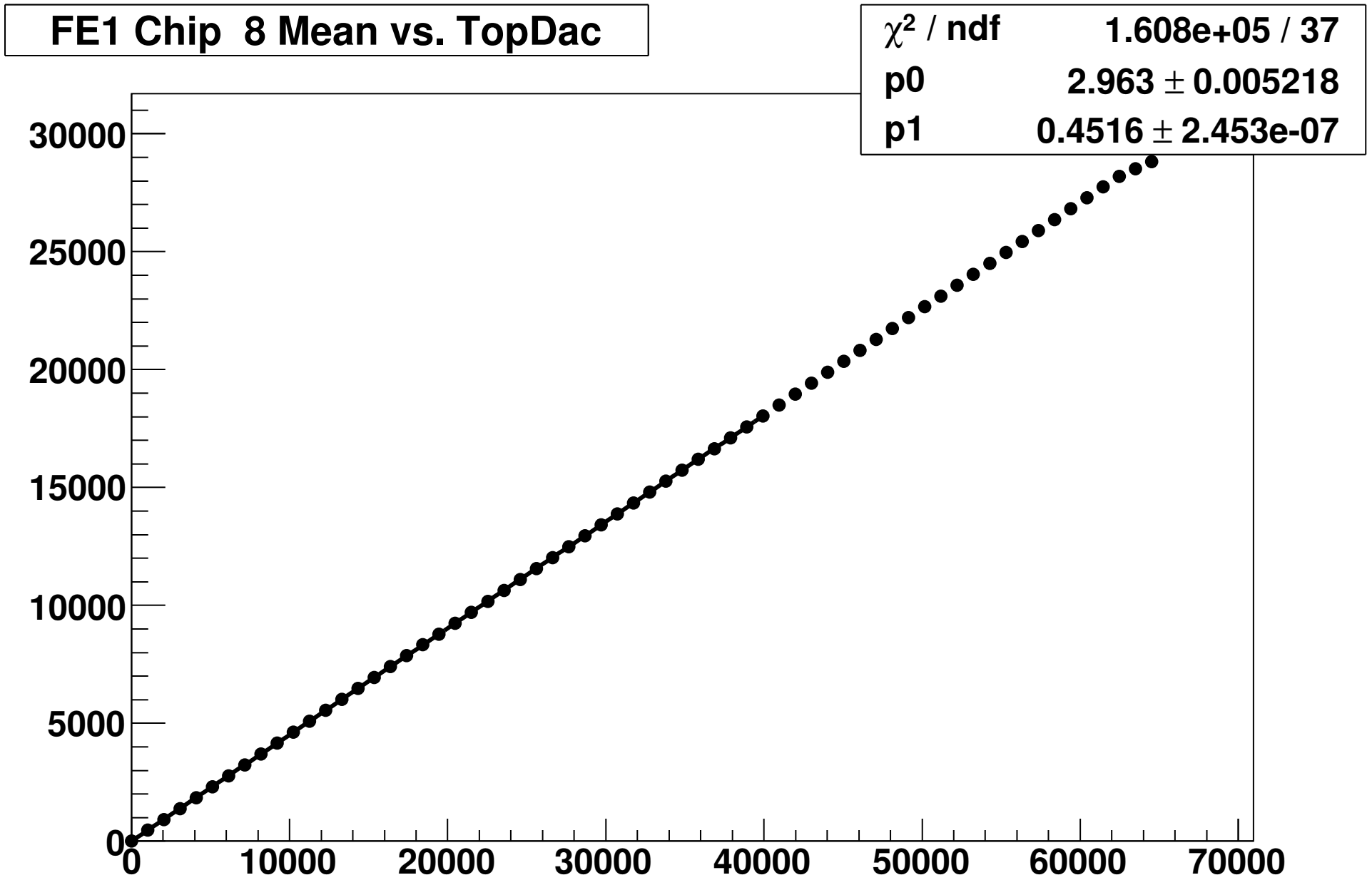

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 64.54 / 37
p0 1.457 ± 0.002661
p1 4.842e-06 ± 1.095e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

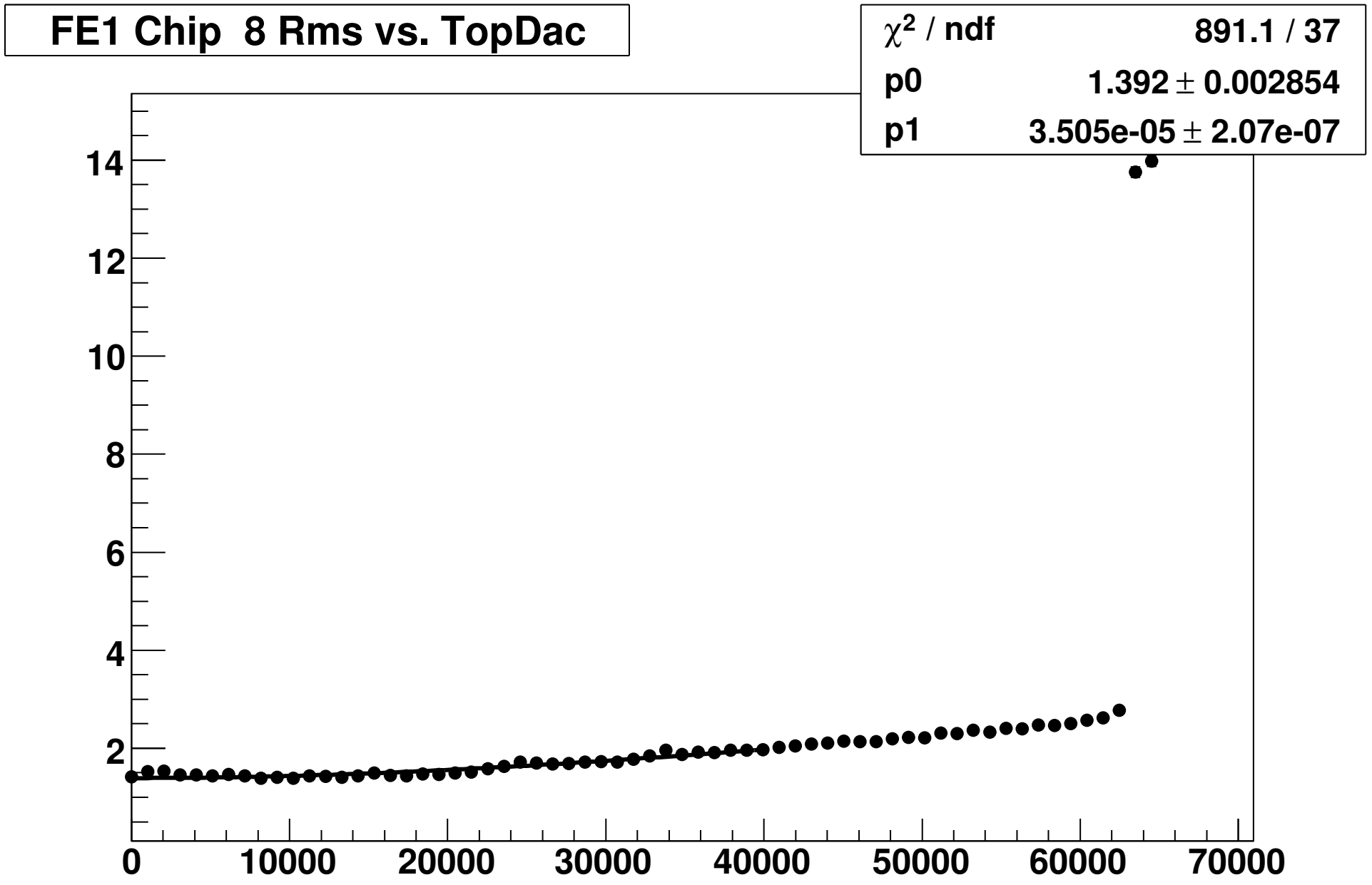

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.107e+05 / 37
p0 12.48 ± 0.005155
p1 0.4517 ± 2.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

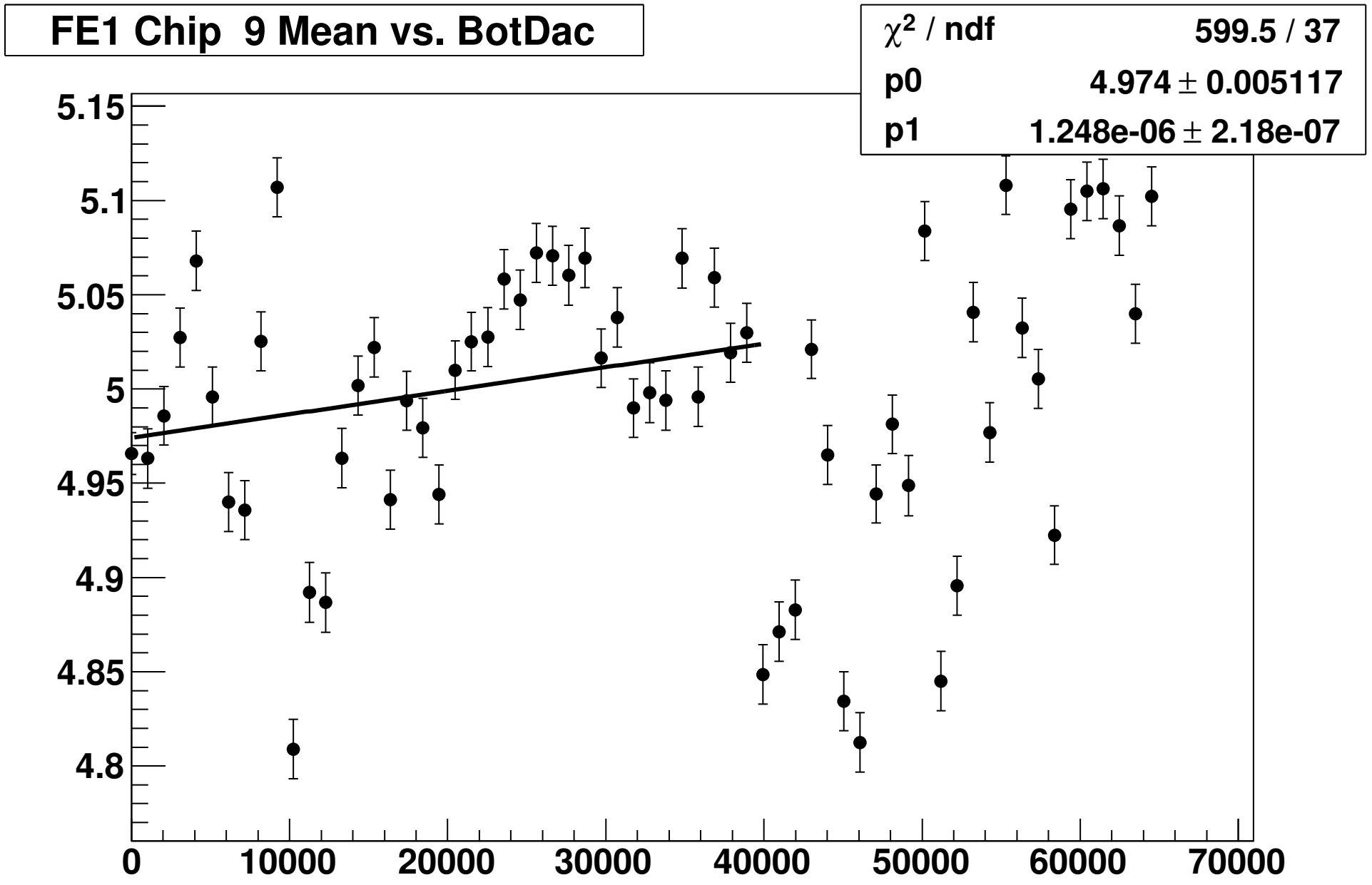

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 4271 / 37
p0 1.361 ± 0.00281
p1 3.463e-05 ± 2.029e-07
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

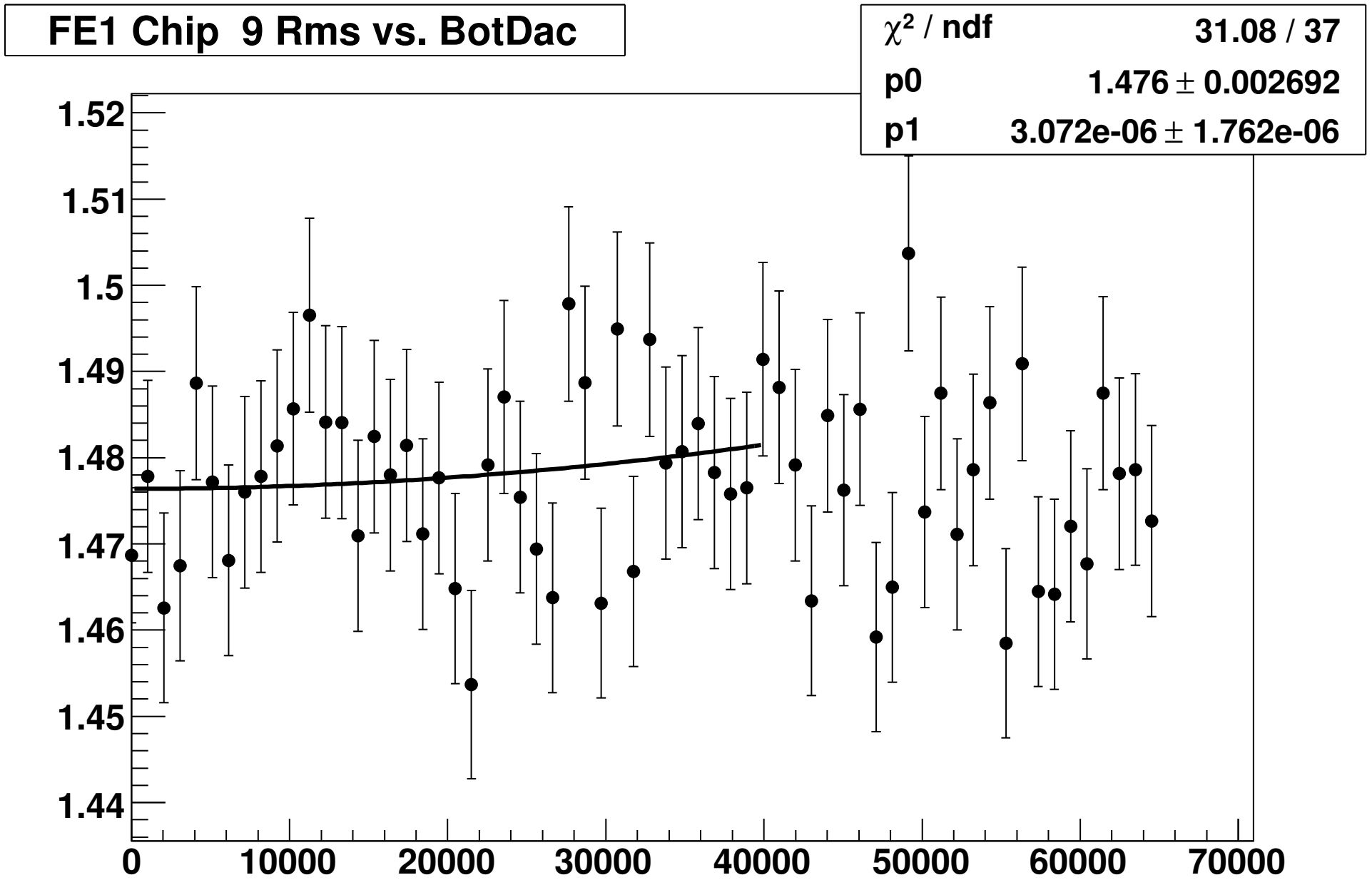

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 577.6 / 37
p0 1.124 ± 0.00495
p1 1.342e-06 ± 2.111e-07
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
40000
50000
60000
70000

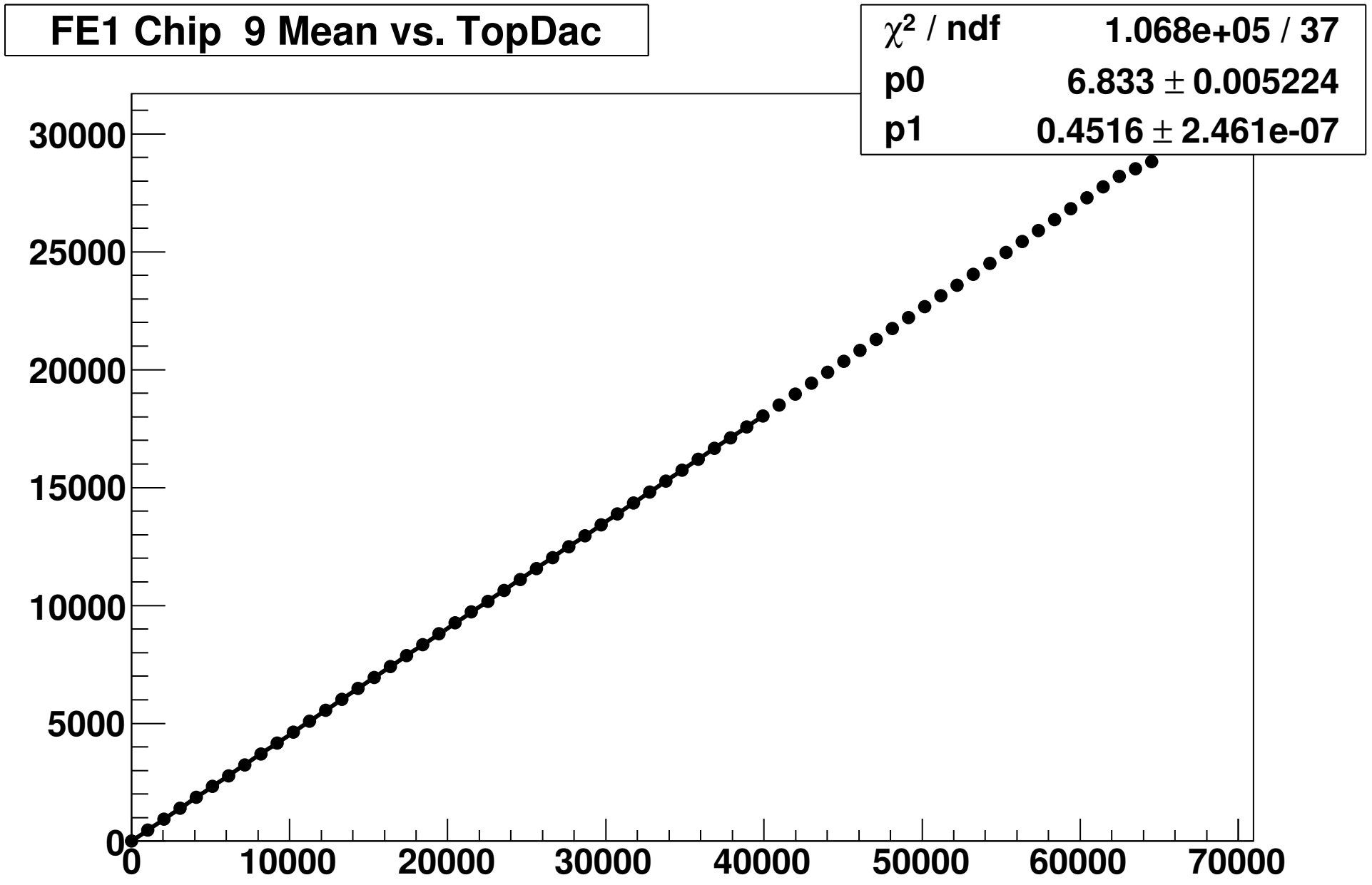

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 35.12 / 37
p0 1.428 ± 0.002614
p1 4.501e-06 ± 1.131e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

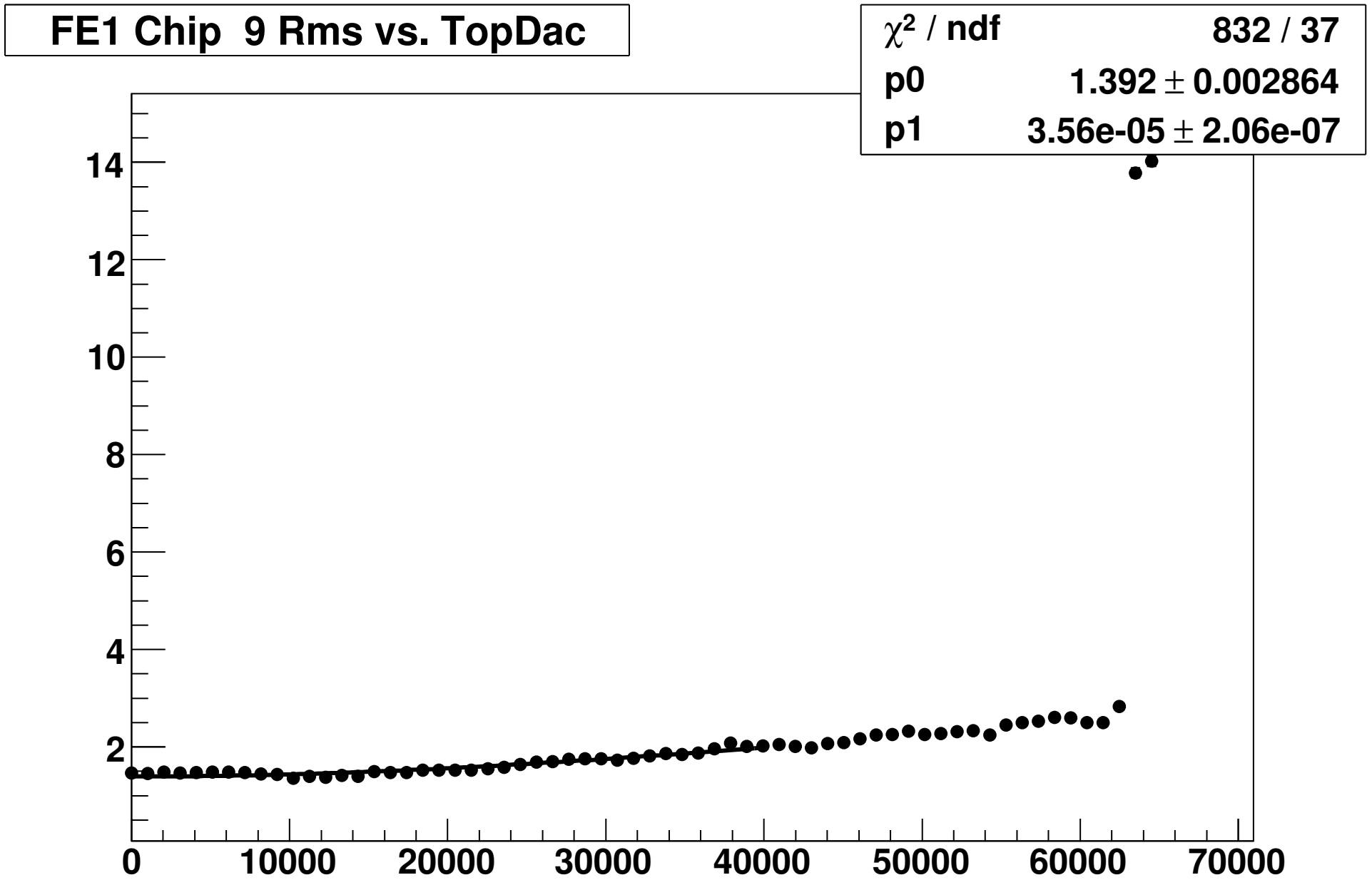

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.608e+05 / 37
p0 2.963 ± 0.005218
p1 0.4516 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

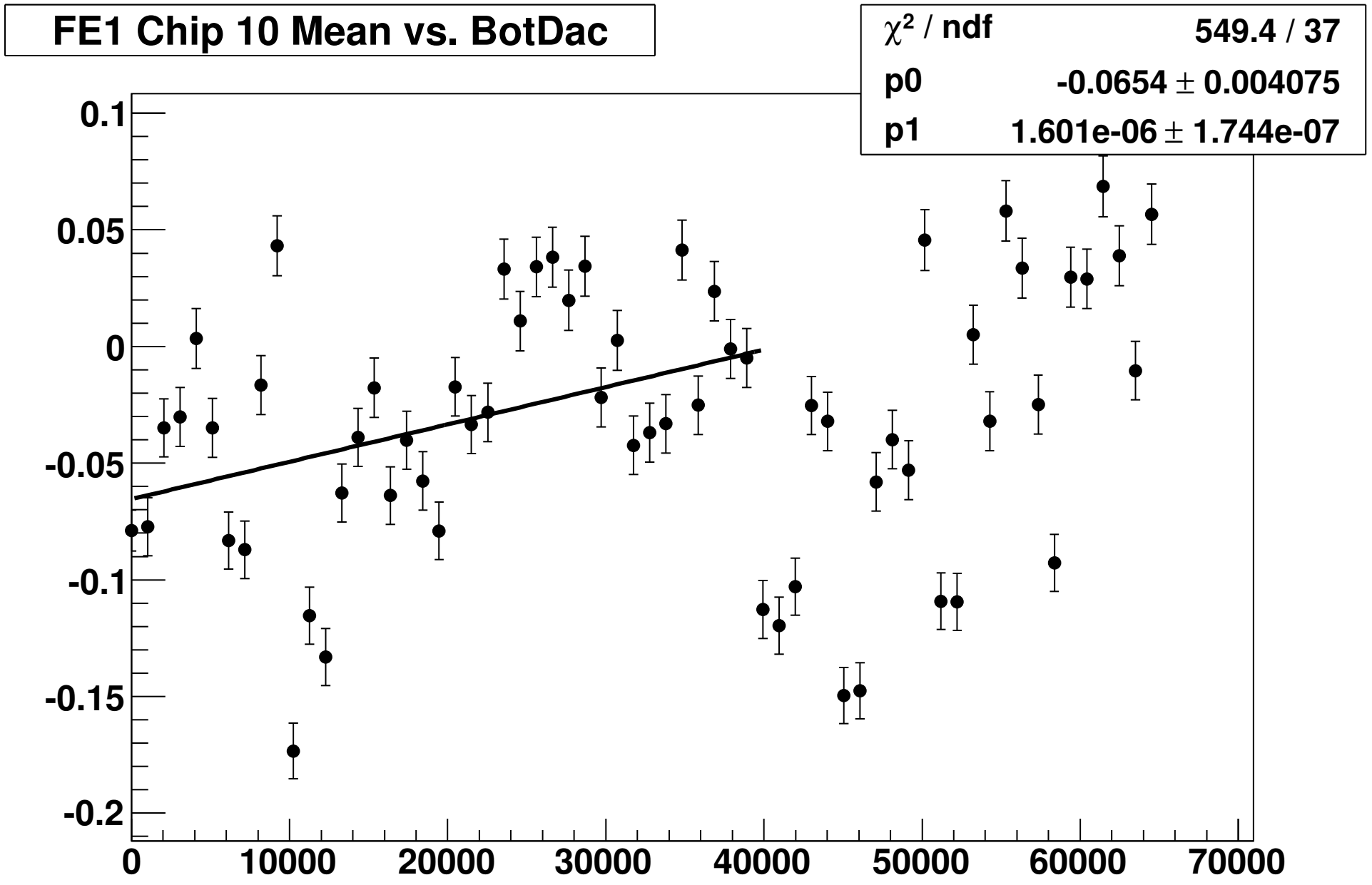

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 891.1 / 37
p0 1.392 ± 0.002854
p1 3.505e-05 ± 2.07e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

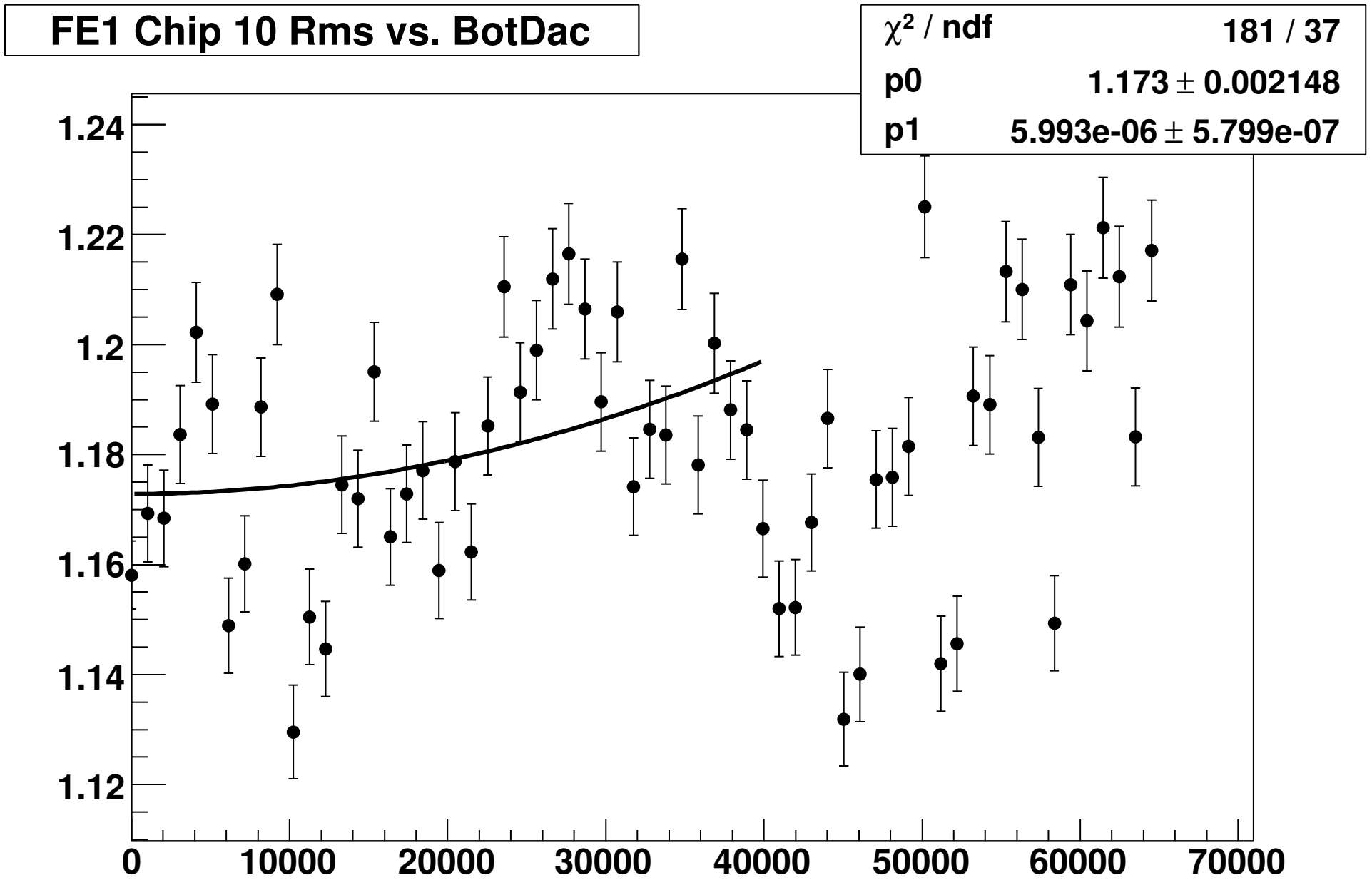

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 599.5 / 37
p0 4.974 ± 0.005117
p1 1.248e-06 ± 2.18e-07
5.15
5.1
5.05
5
4.95
4.9
4.85
4.8
0
10000
20000
30000
40000
50000
60000
70000

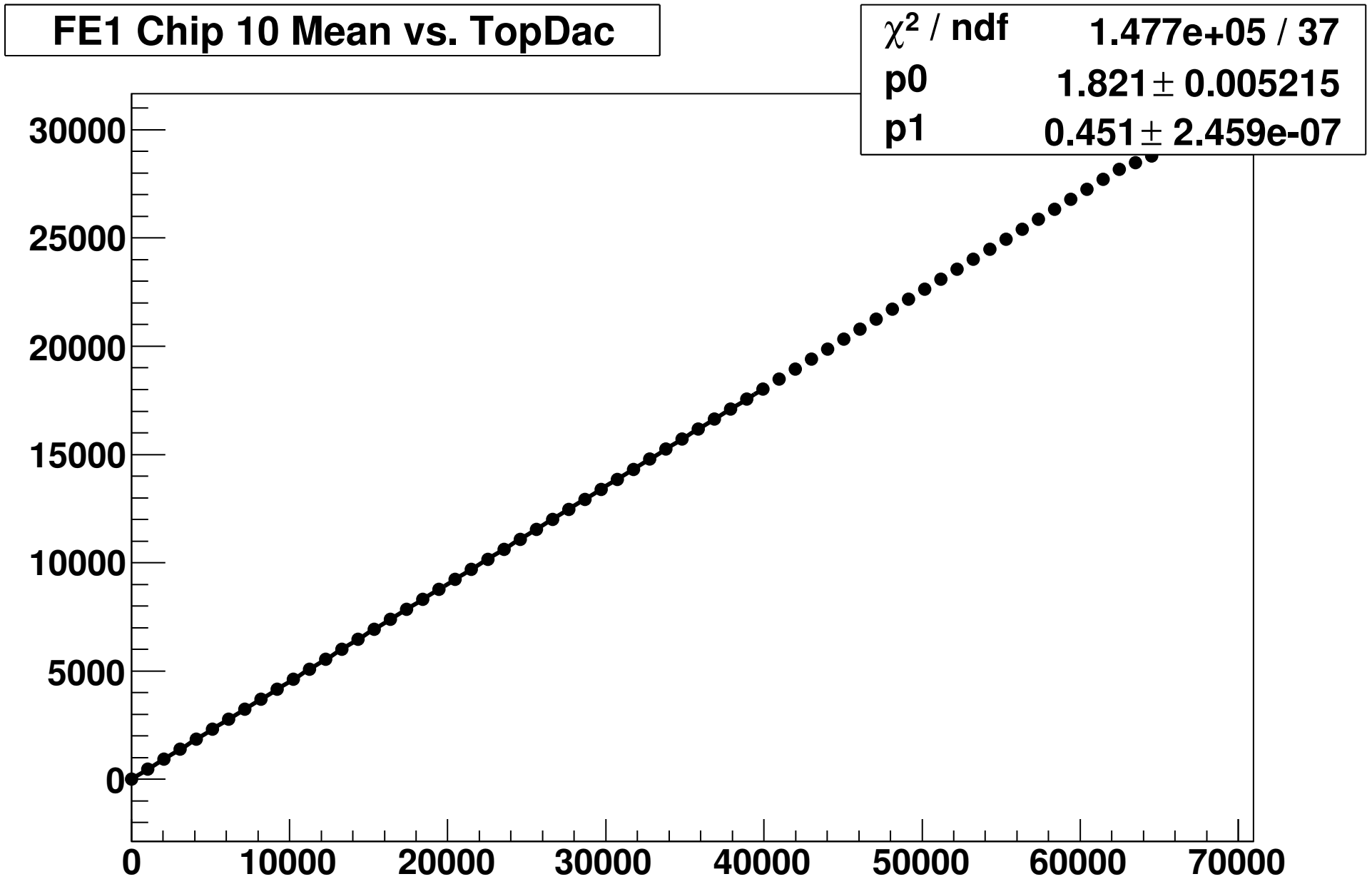

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 31.08 / 37
p0 1.476 ± 0.002692
p1 3.072e-06 ± 1.762e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

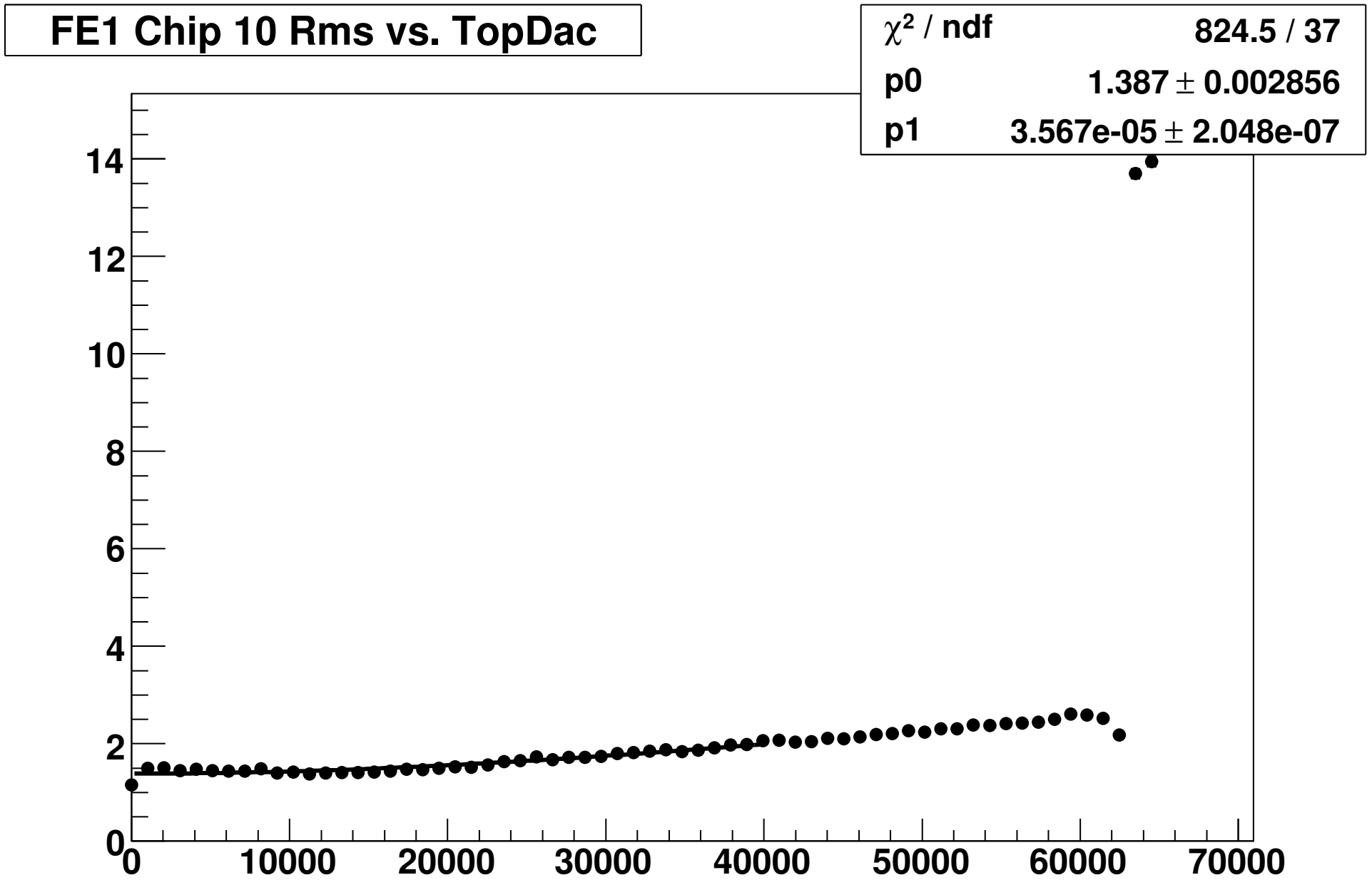

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.068e+05 / 37
p0 6.833 ± 0.005224
p1 0.4516 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

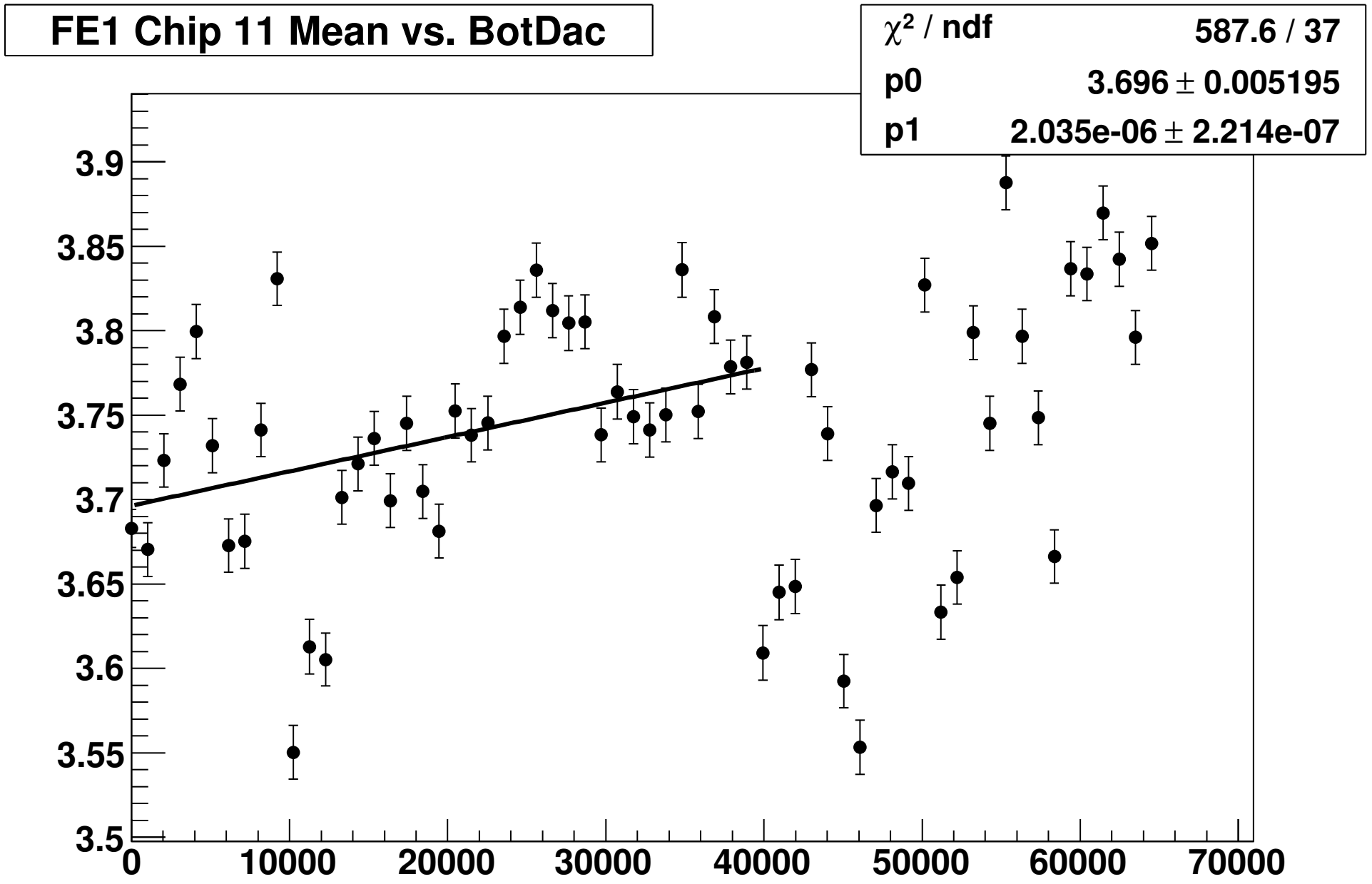

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 832 / 37
p0 1.392 ± 0.002864
p1 3.56e-05 ± 2.06e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

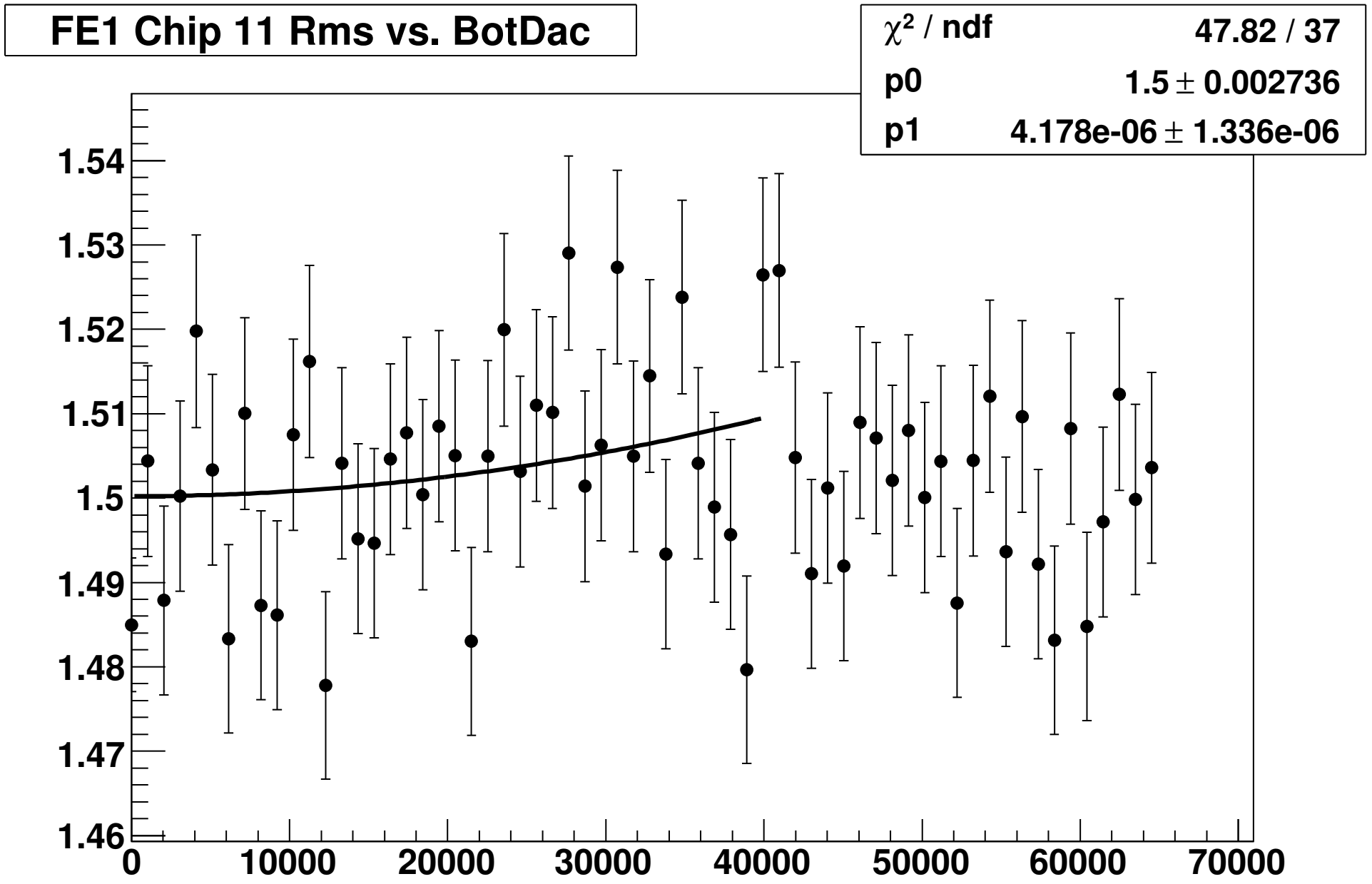

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 549.4 / 37
p0 -0.0654 ± 0.004075
p1 1.601e-06 ± 1.744e-07
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
0
10000
20000
30000
40000
50000
60000
70000

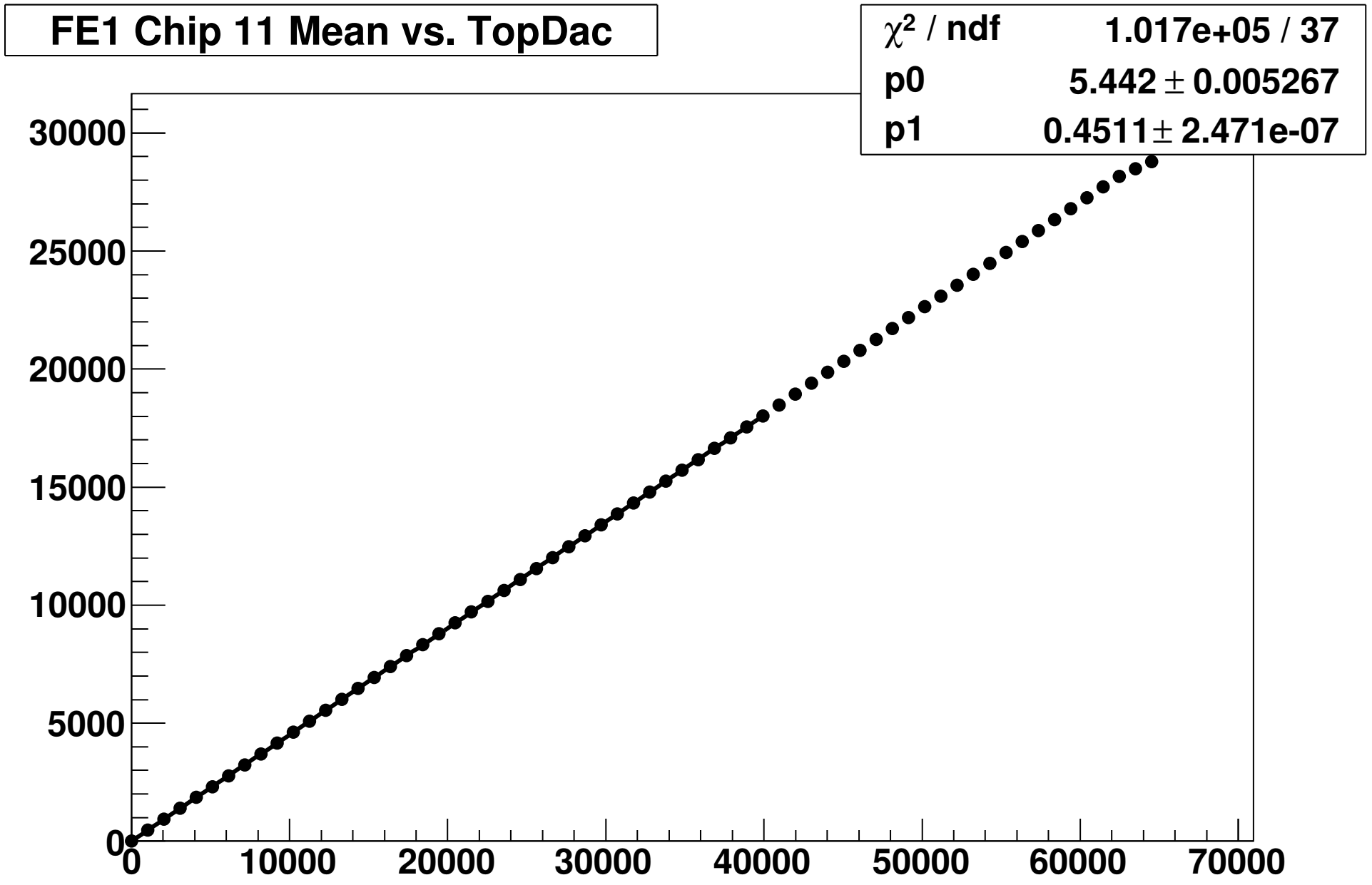

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 181 / 37
p0 1.173 ± 0.002148
p1 5.993e-06 ± 5.799e-07
1.24
1.22
1.2
1.18
1.16
1.14
1.12
0
10000
20000
30000
40000
50000
60000
70000

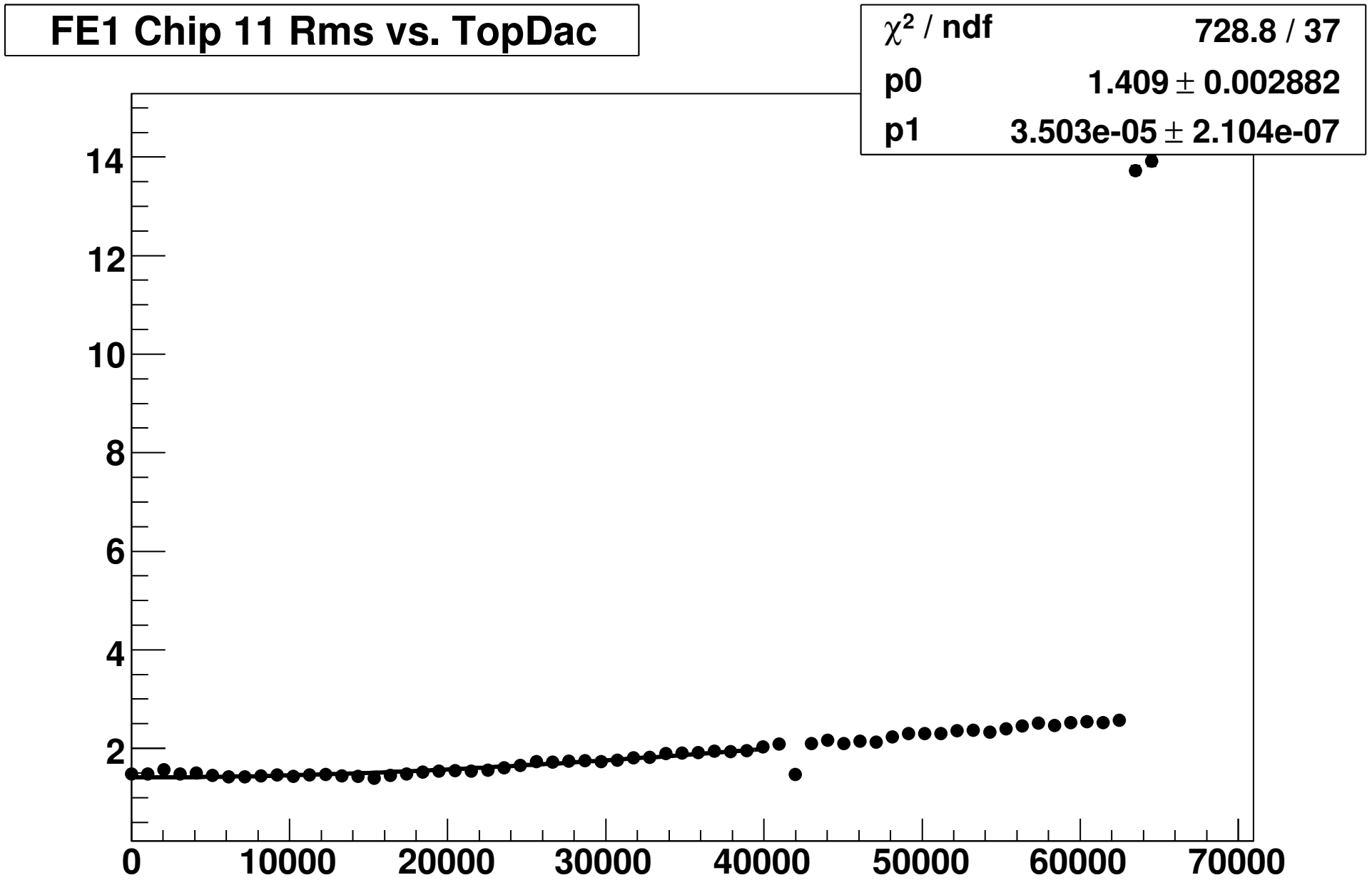

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.477e+05 / 37
p0 1.821 ± 0.005215
p1 0.451 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

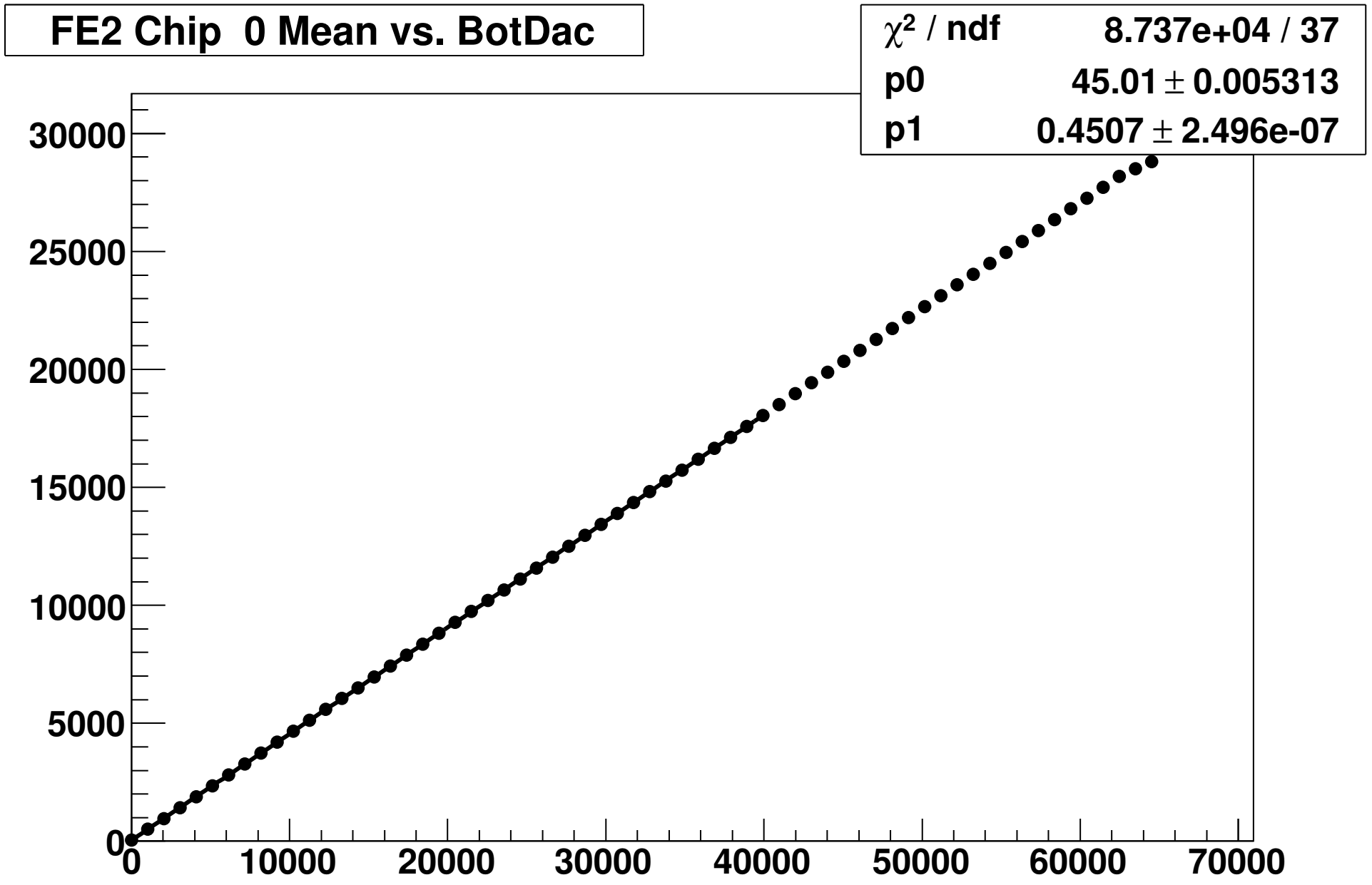

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 824.5 / 37
p0 1.387 ± 0.002856
p1 3.567e-05 ± 2.048e-07
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

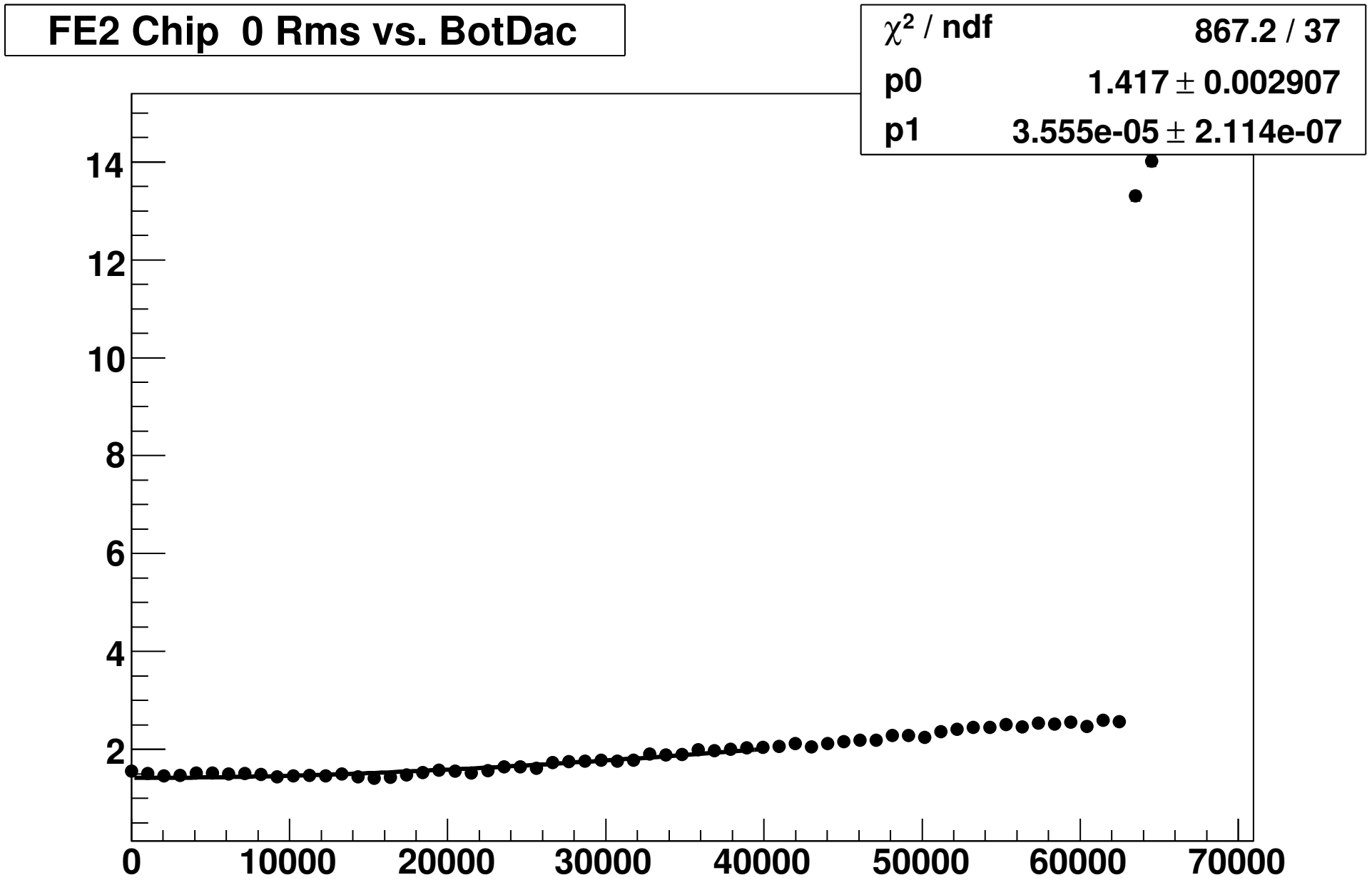

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 587.6 / 37
p0 3.696 ± 0.005195
p1 2.035e-06 ± 2.214e-07
3.9
3.85
3.8
3.75
3.7
3.65
3.6
3.55
3.5
0
10000
20000
30000
40000
50000
60000
70000

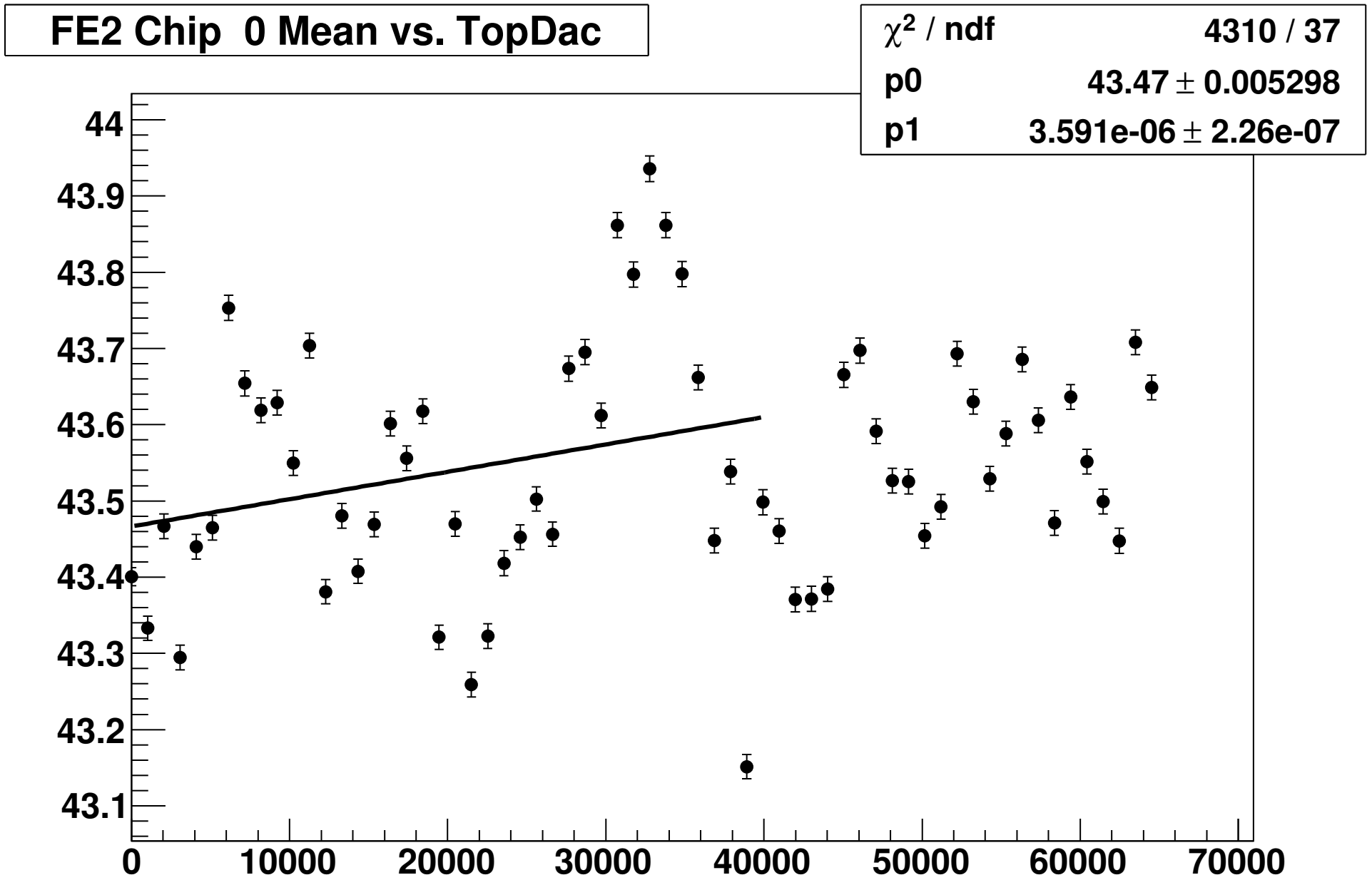

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 47.82 / 37
p0 1.5 ± 0.002736
p1 4.178e-06 ± 1.336e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

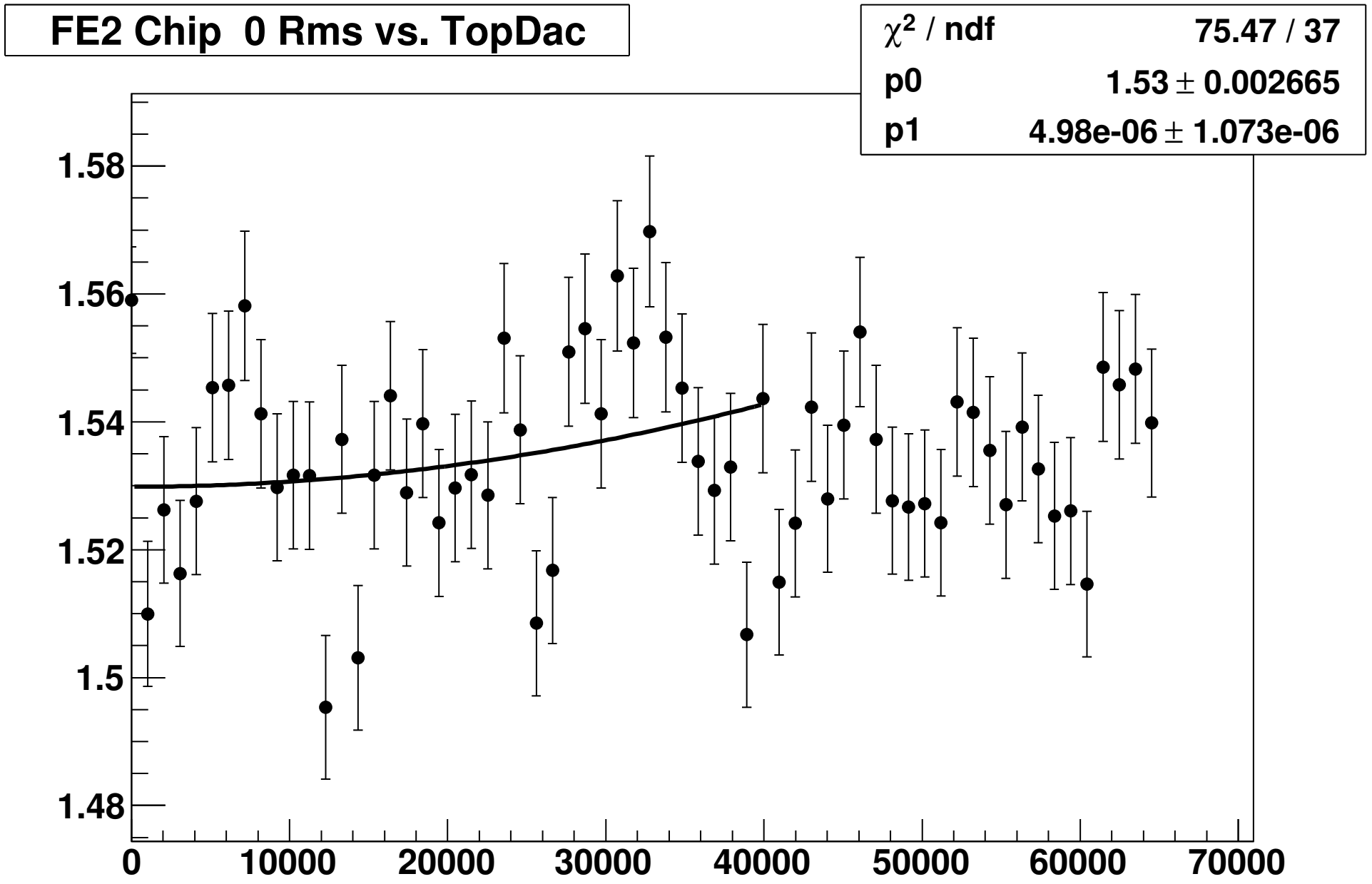

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.017e+05 / 37
p0 5.442 ± 0.005267
p1 0.4511 ± 2.471e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 728.8 / 37
p0 1.409 ± 0.002882
p1 3.503e-05 ± 2.104e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 8.737e+04 / 37
p0 45.01 ± 0.005313
p1 0.4507 ± 2.496e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 867.2 / 37
p0 1.417 ± 0.002907
p1 3.555e-05 ± 2.114e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 4310 / 37
p0 43.47 ± 0.005298
p1 3.591e-06 ± 2.26e-07
44
43.9
43.8
43.7
43.6
43.5
43.4
43.3
43.2
43.1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 75.47 / 37
p0 1.53 ± 0.002665
p1 4.98e-06 ± 1.073e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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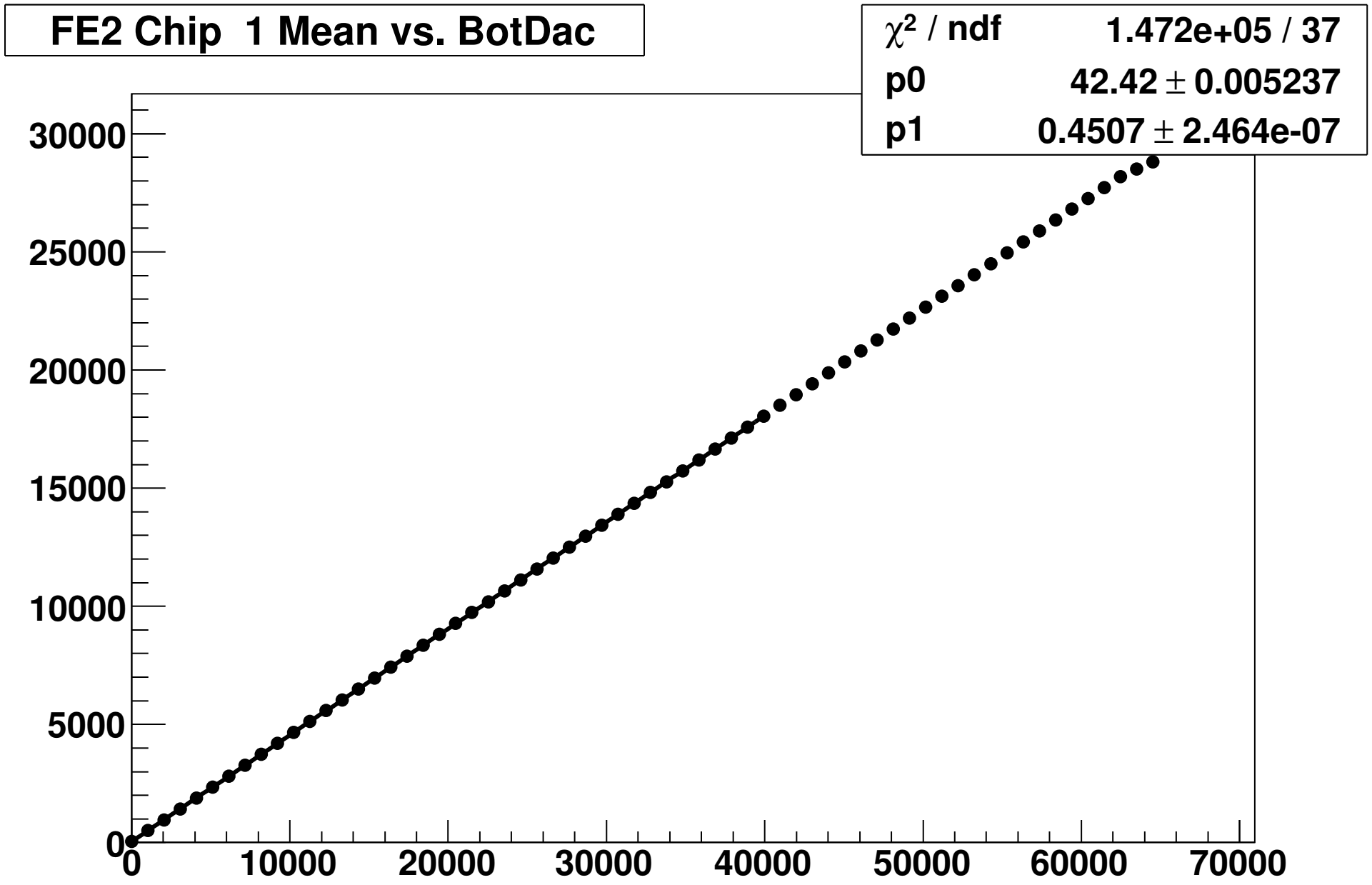
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.472e+05 / 37
p0 42.42 ± 0.005237
p1 0.4507 ± 2.464e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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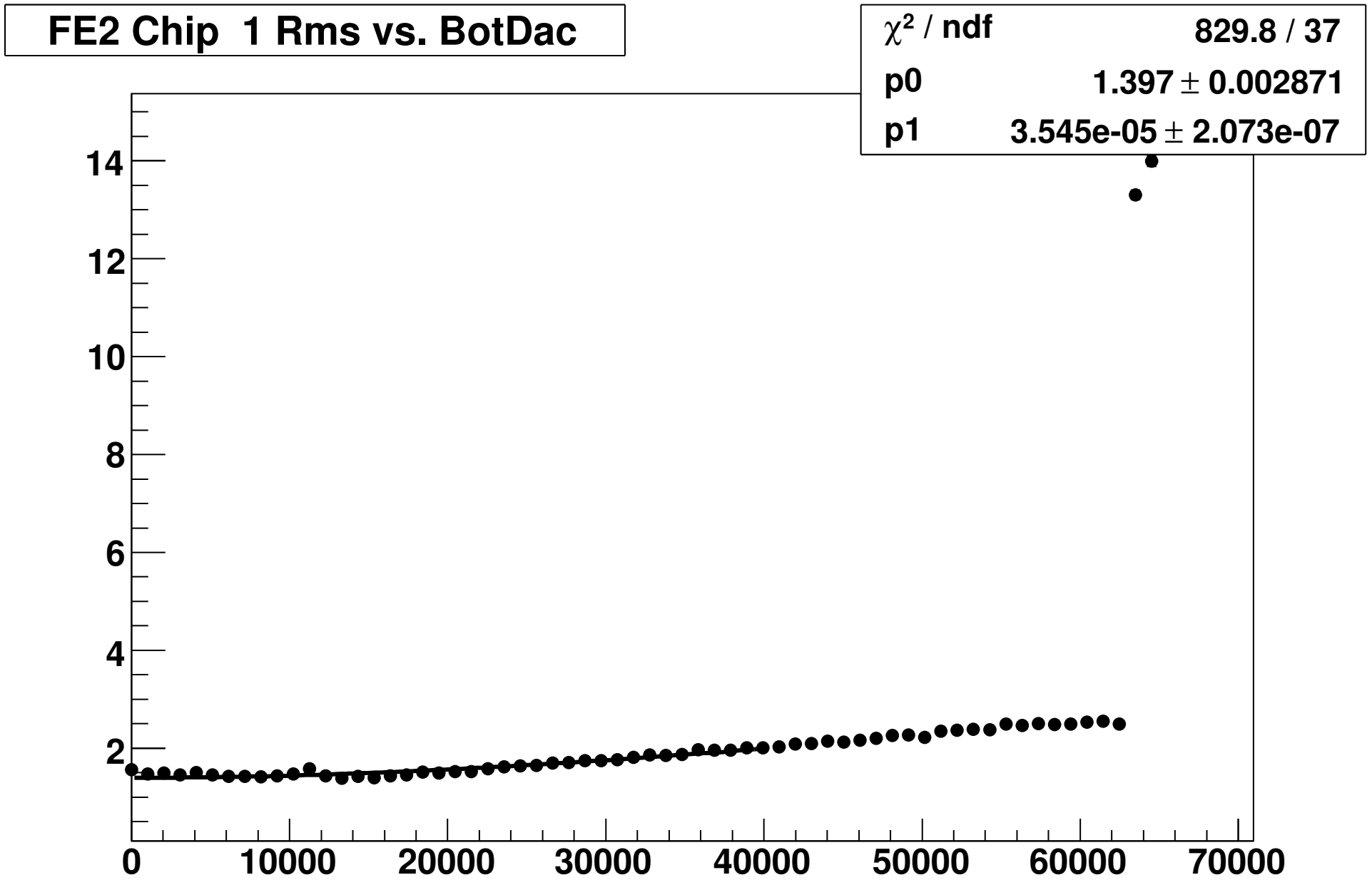
FE2 Chip 1 Rms vs. BotDac
χ² / ndf 829.8 / 37
p0 1.397 ± 0.002871
p1 3.545e-05 ± 2.073e-07
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12
10
8
6
4
2
0
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20000
30000
40000
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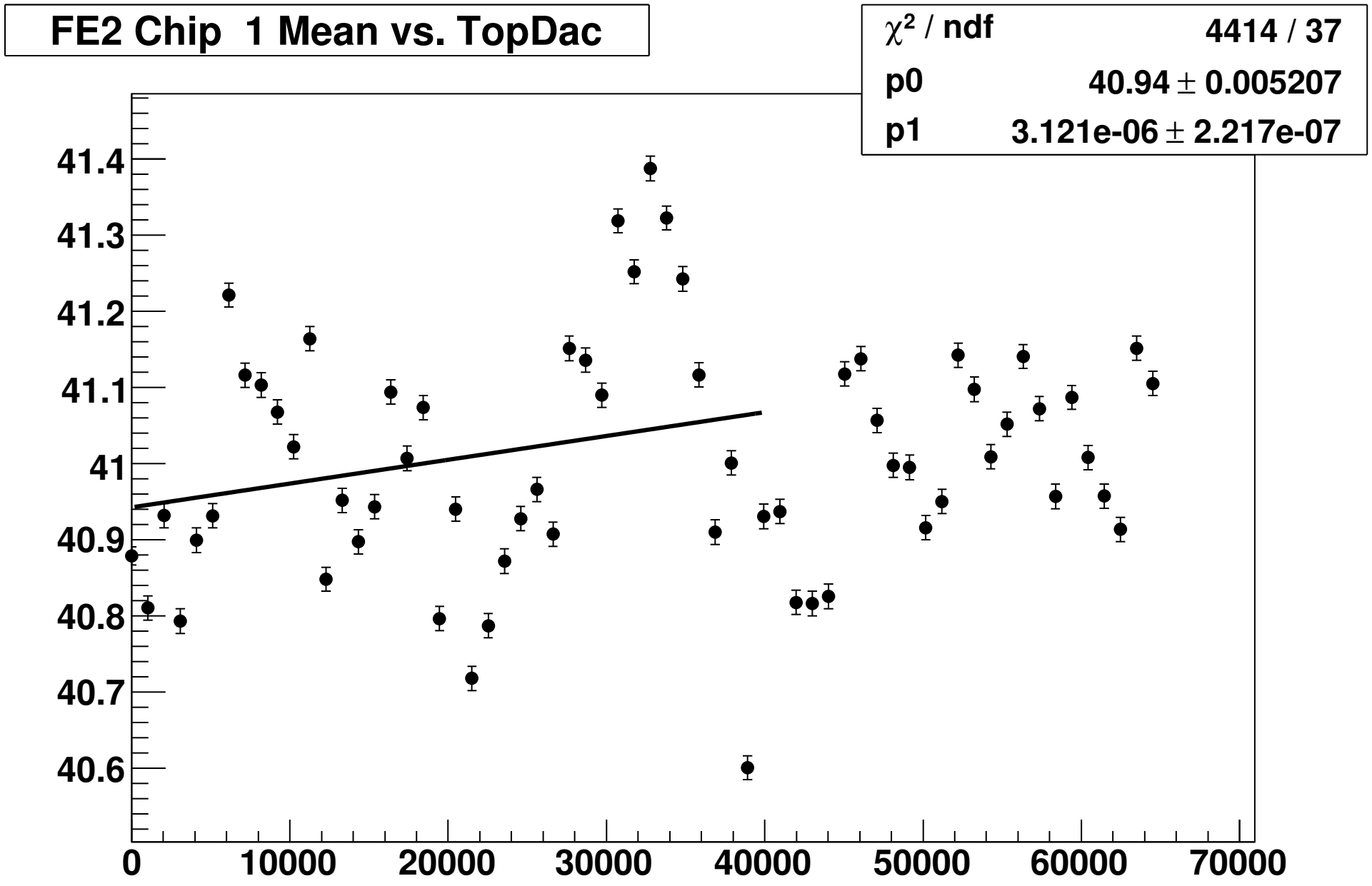
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 4414 / 37
p0 40.94 ± 0.005207
p1 3.121e-06 ± 2.217e-07
41.4
41.3
41.2
41.1
41
40.9
40.8
40.7
40.6
0
10000
20000
30000
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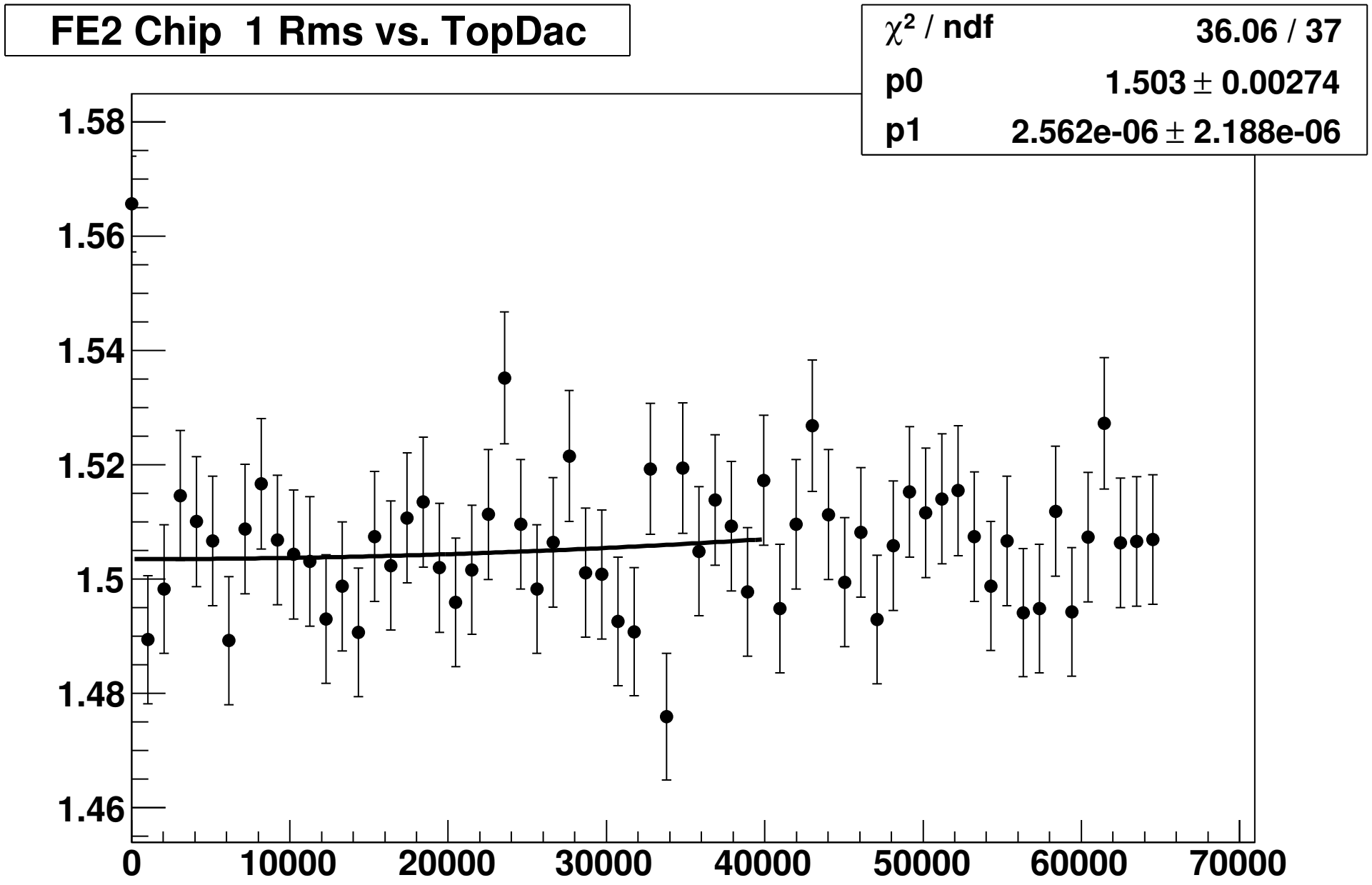
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 36.06 / 37
p0 1.503 ± 0.00274
p1 2.562e-06 ± 2.188e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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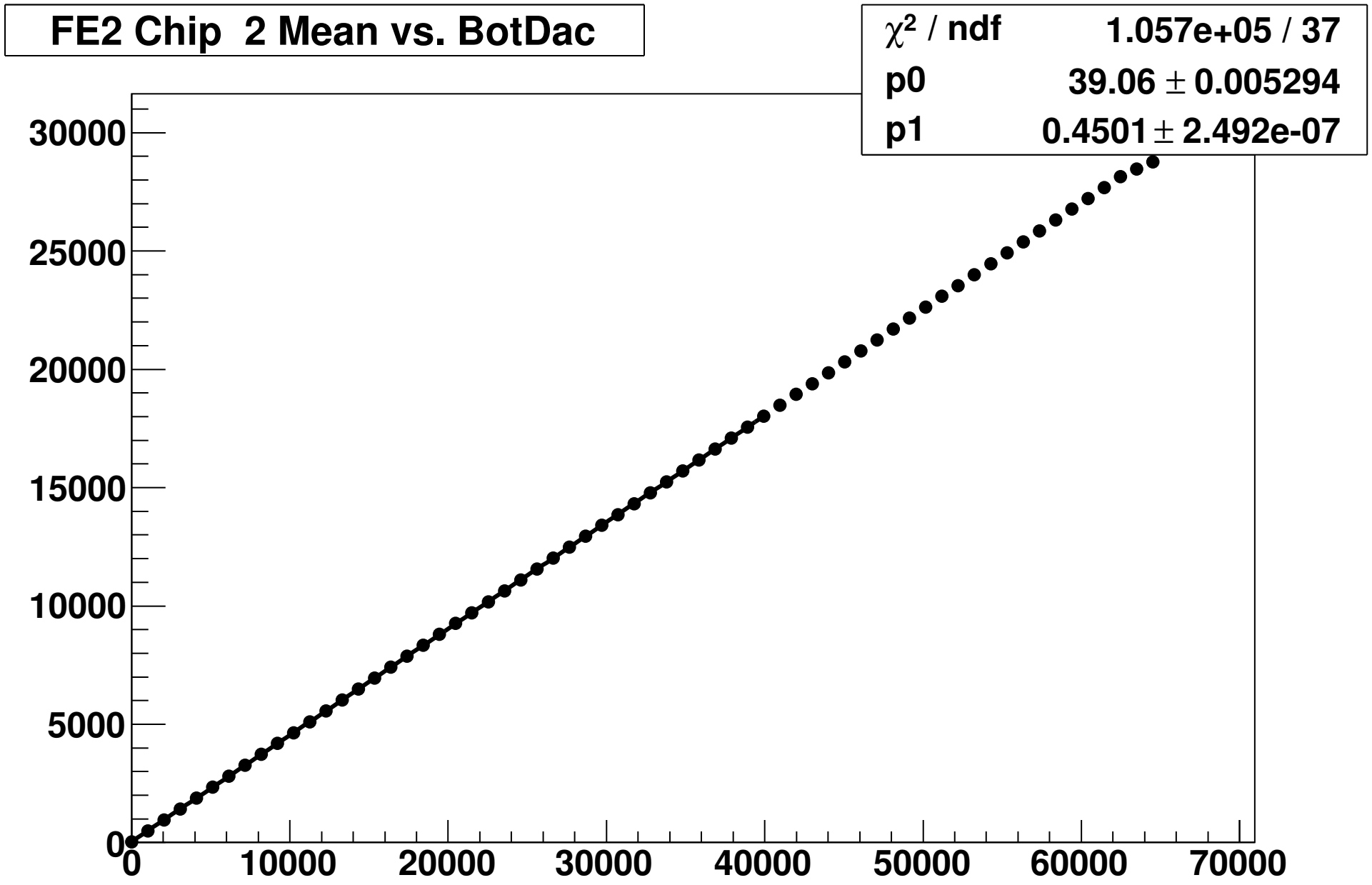
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.057e+05 / 37
p0 39.06 ± 0.005294
p1 0.4501 ± 2.492e-07
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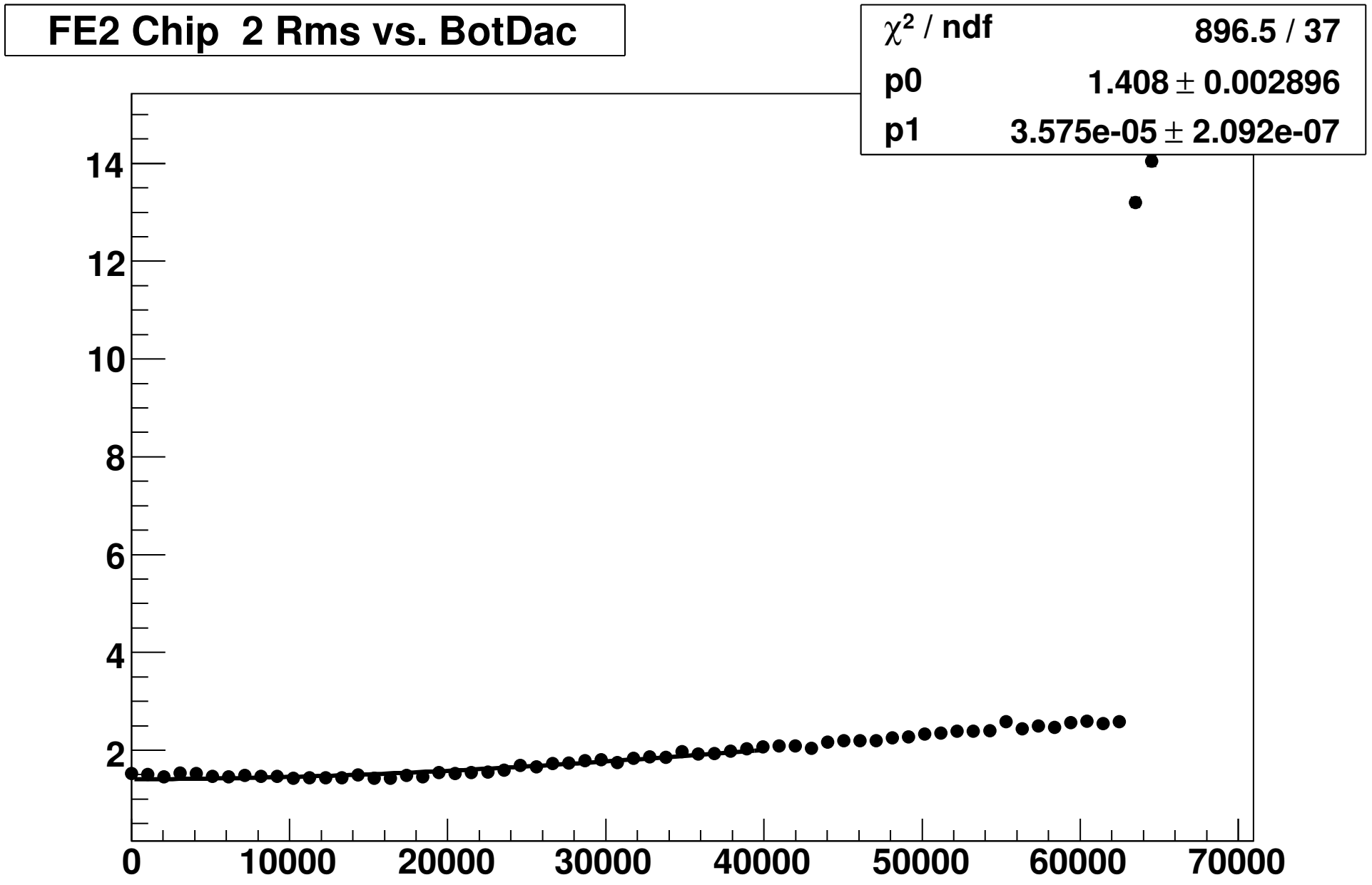
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 896.5 / 37
p0 1.408 ± 0.002896
p1 3.575e-05 ± 2.092e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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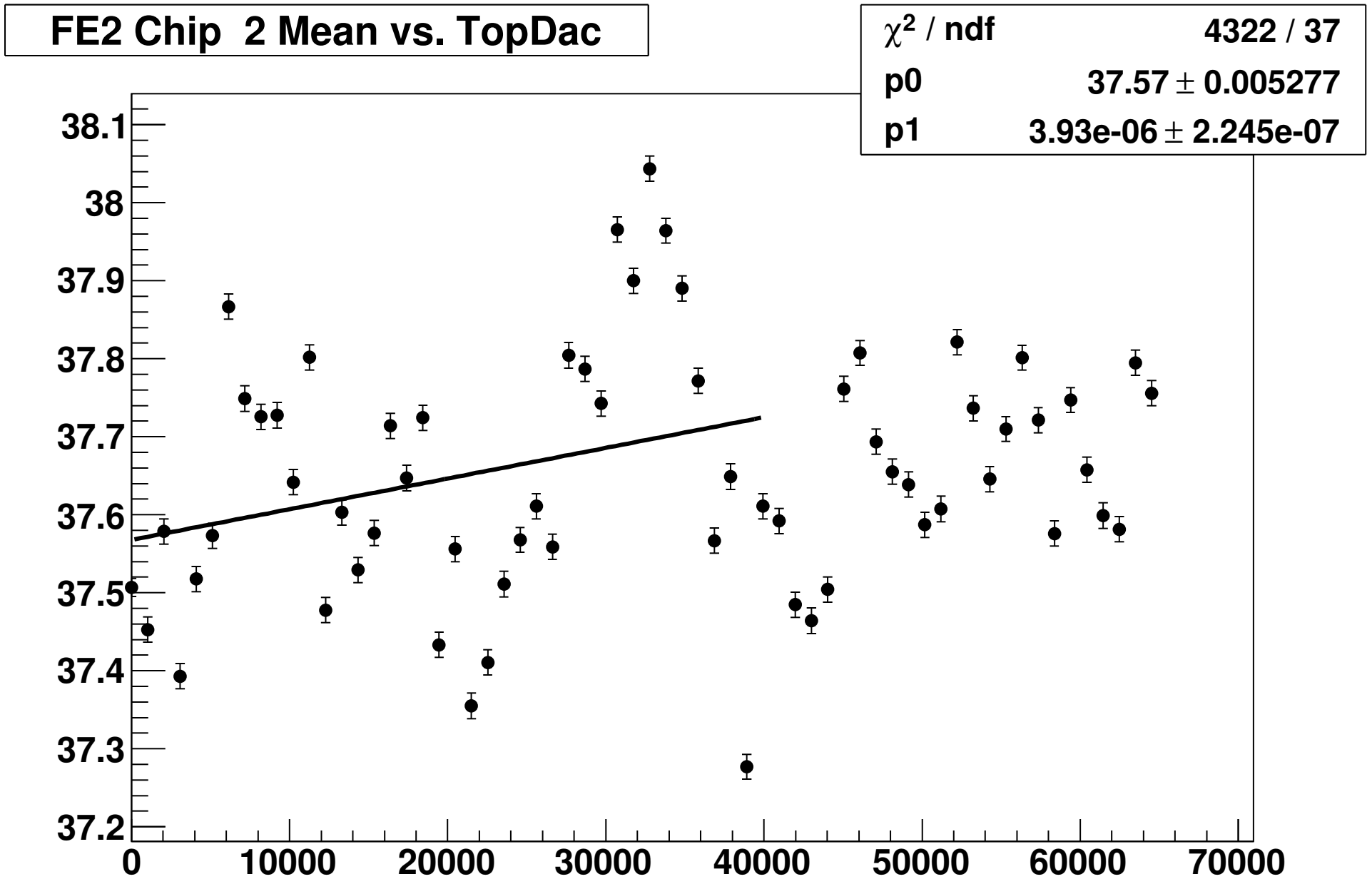
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 4322 / 37
p0 37.57 ± 0.005277
p1 3.93e-06 ± 2.245e-07
38.1
38
37.9
37.8
37.7
37.6
37.5
37.4
37.3
37.2
0
10000
20000
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40000
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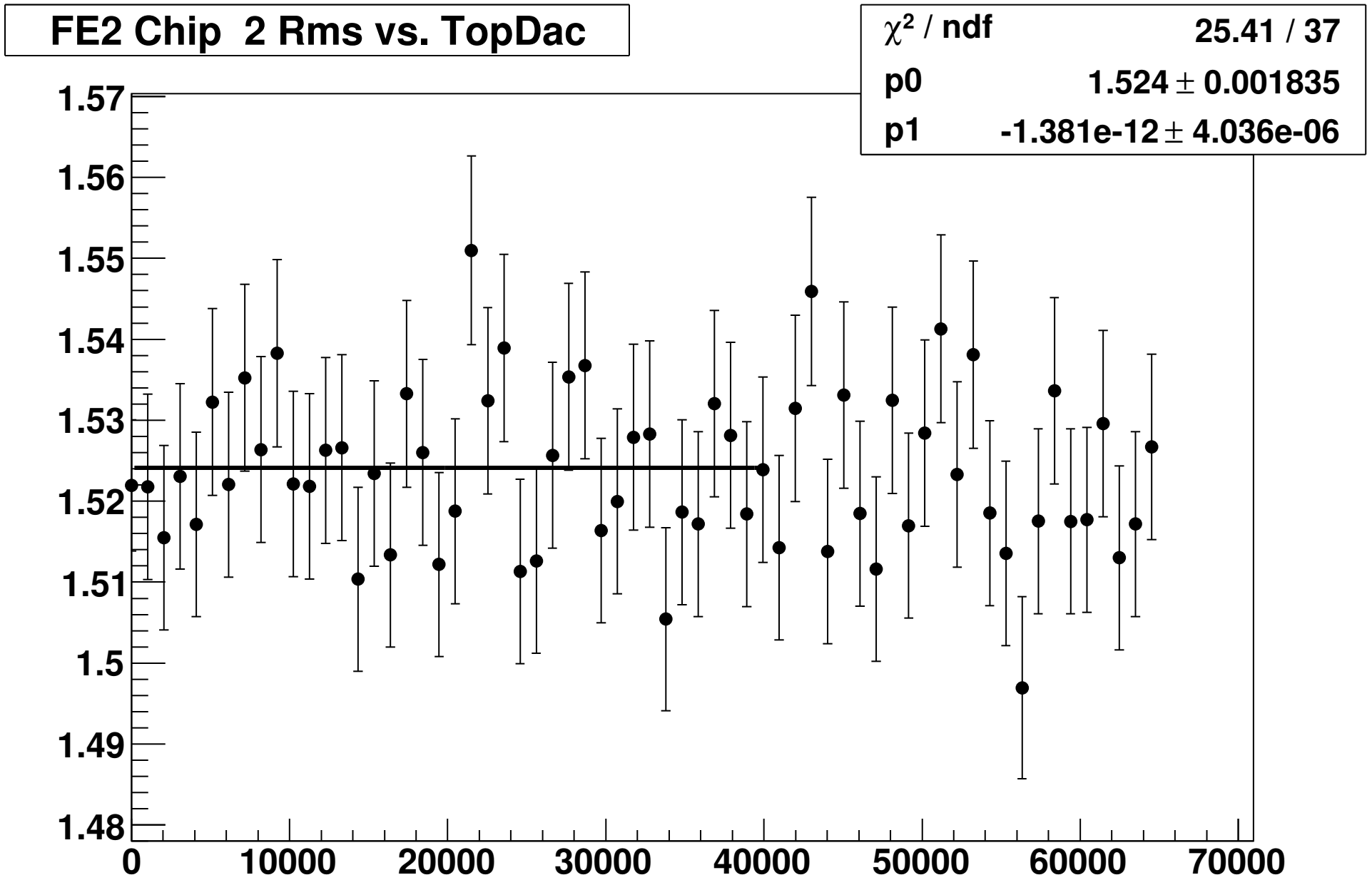
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 25.41 / 37
p0 1.524 ± 0.001835
p1 -1.381e-12 ± 4.036e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
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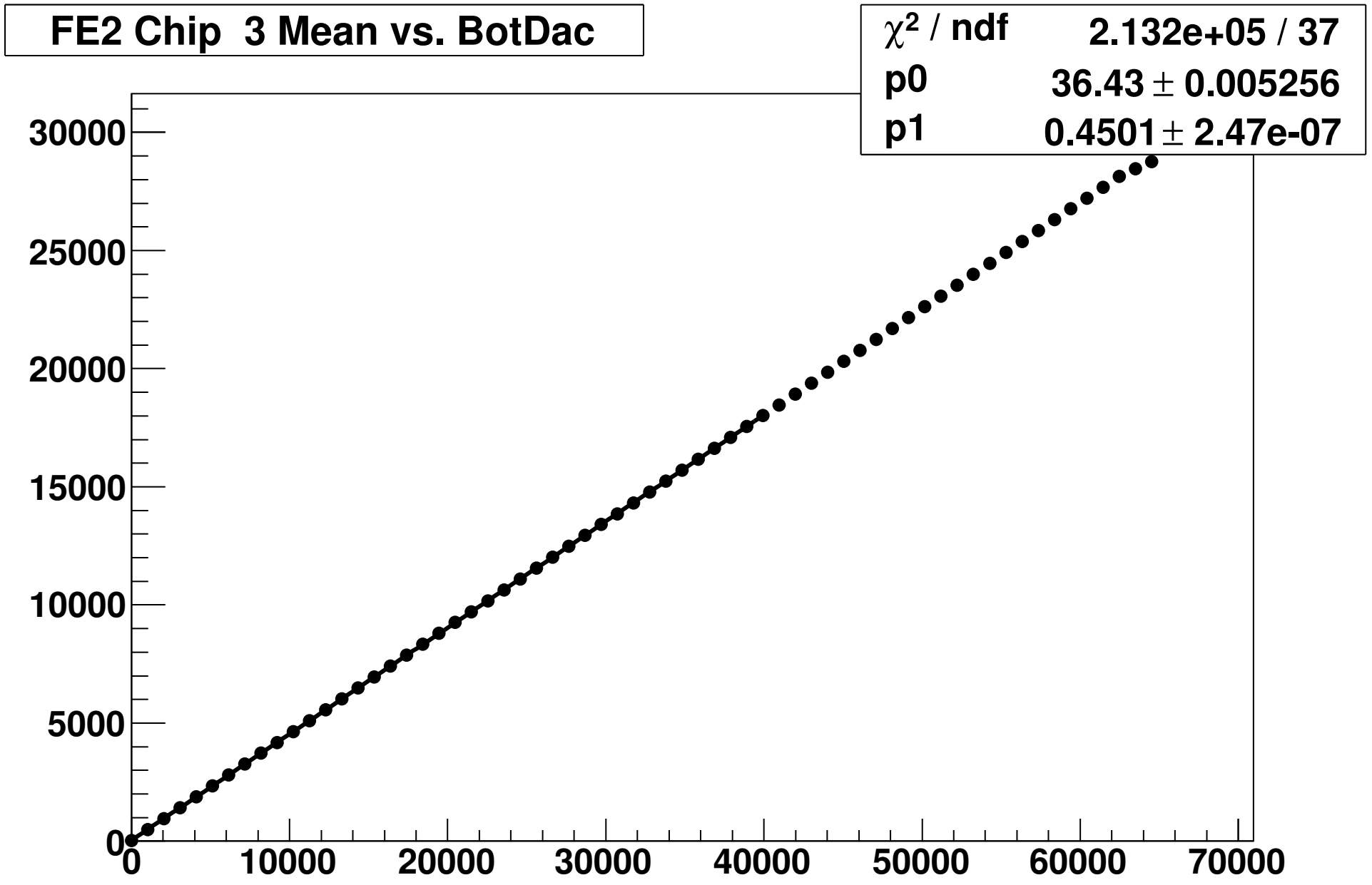
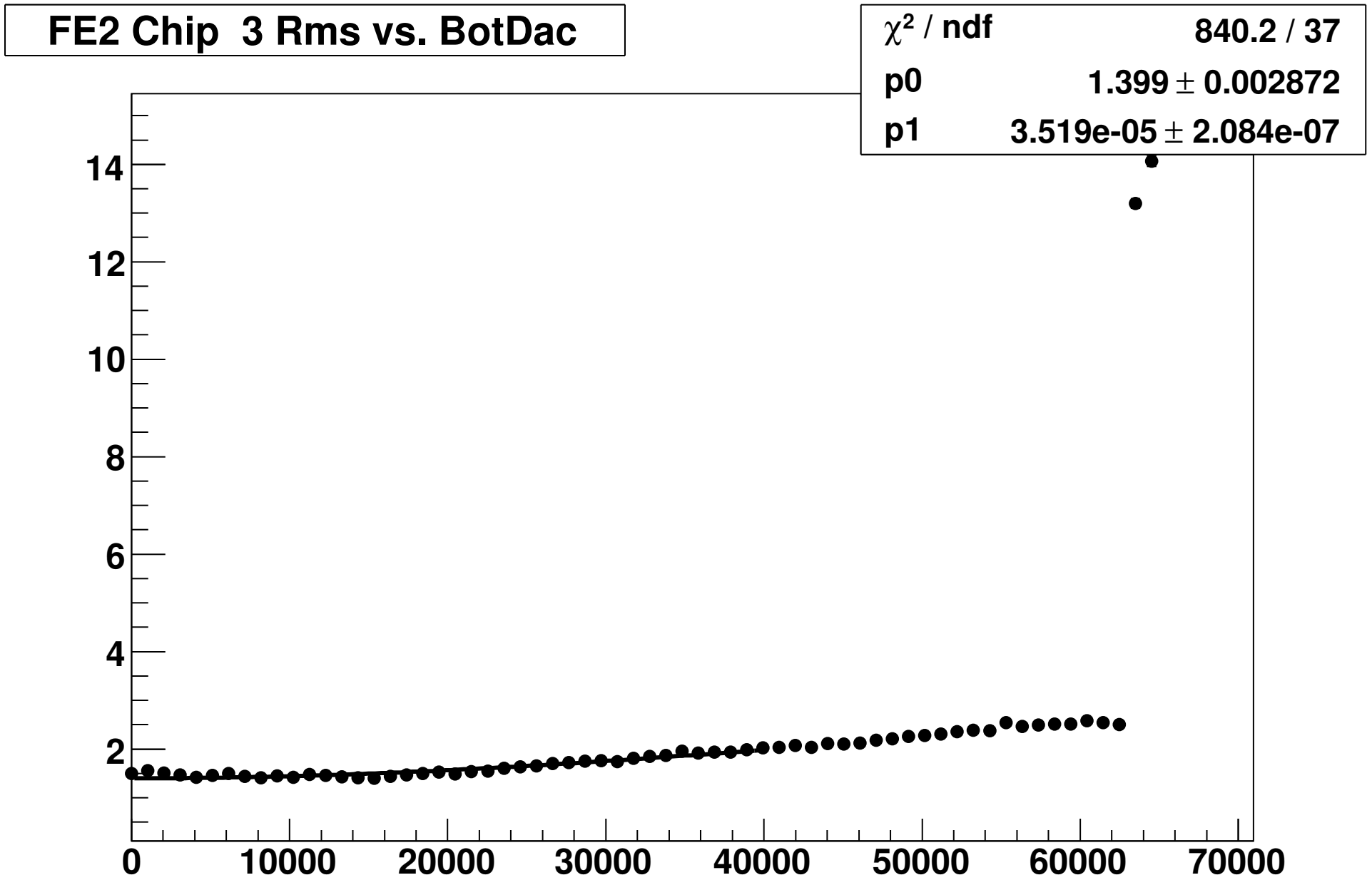
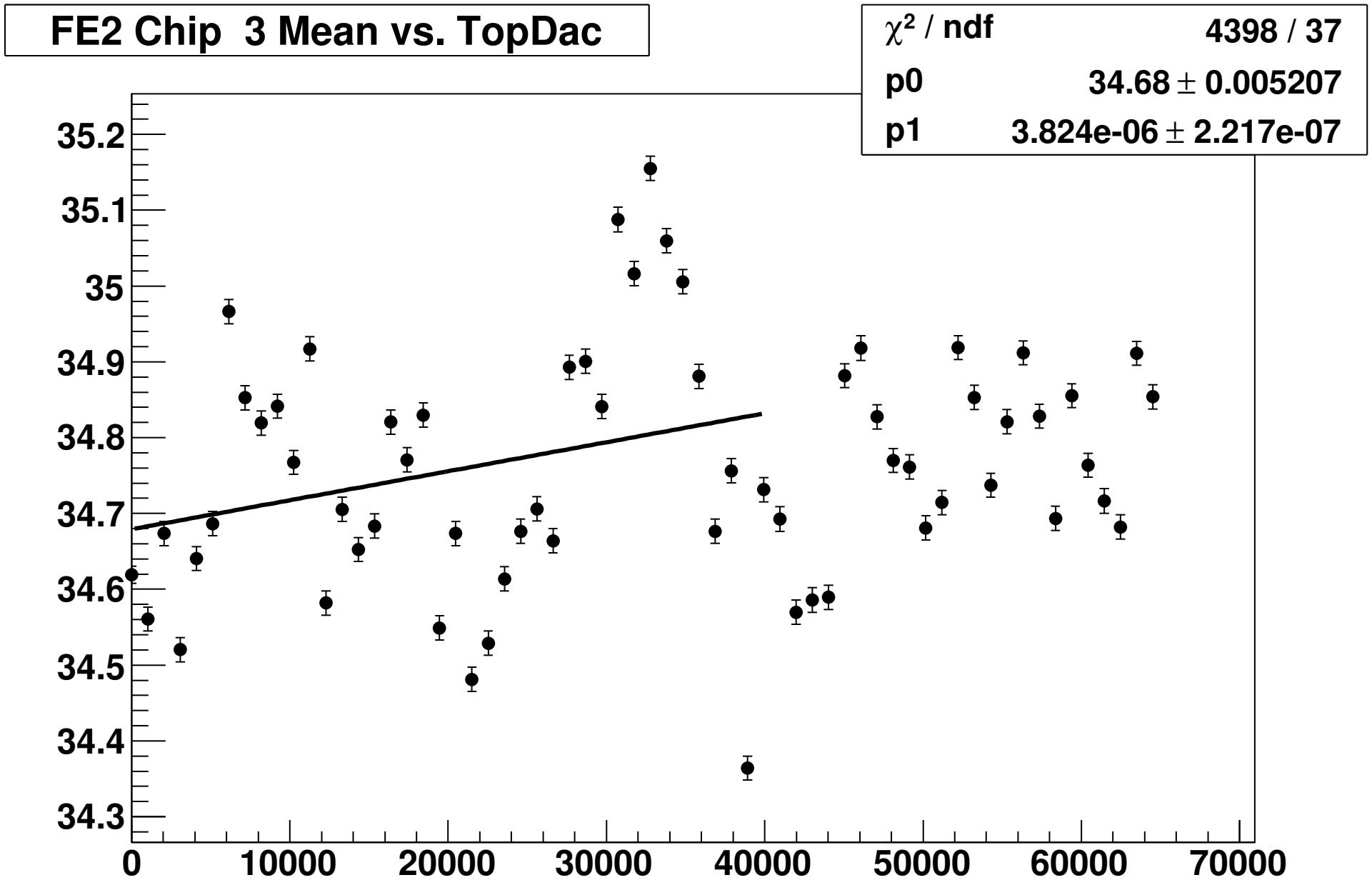
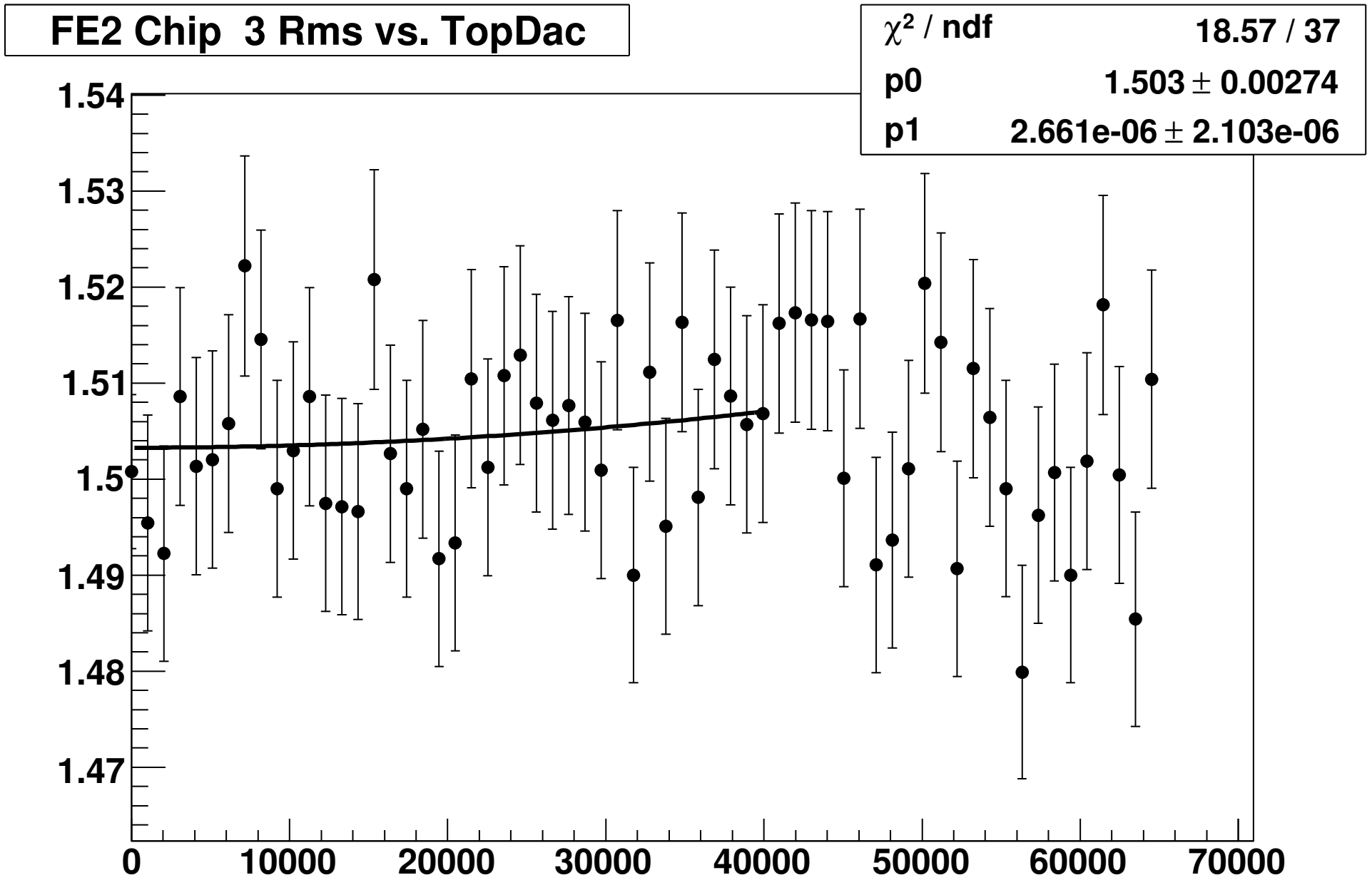
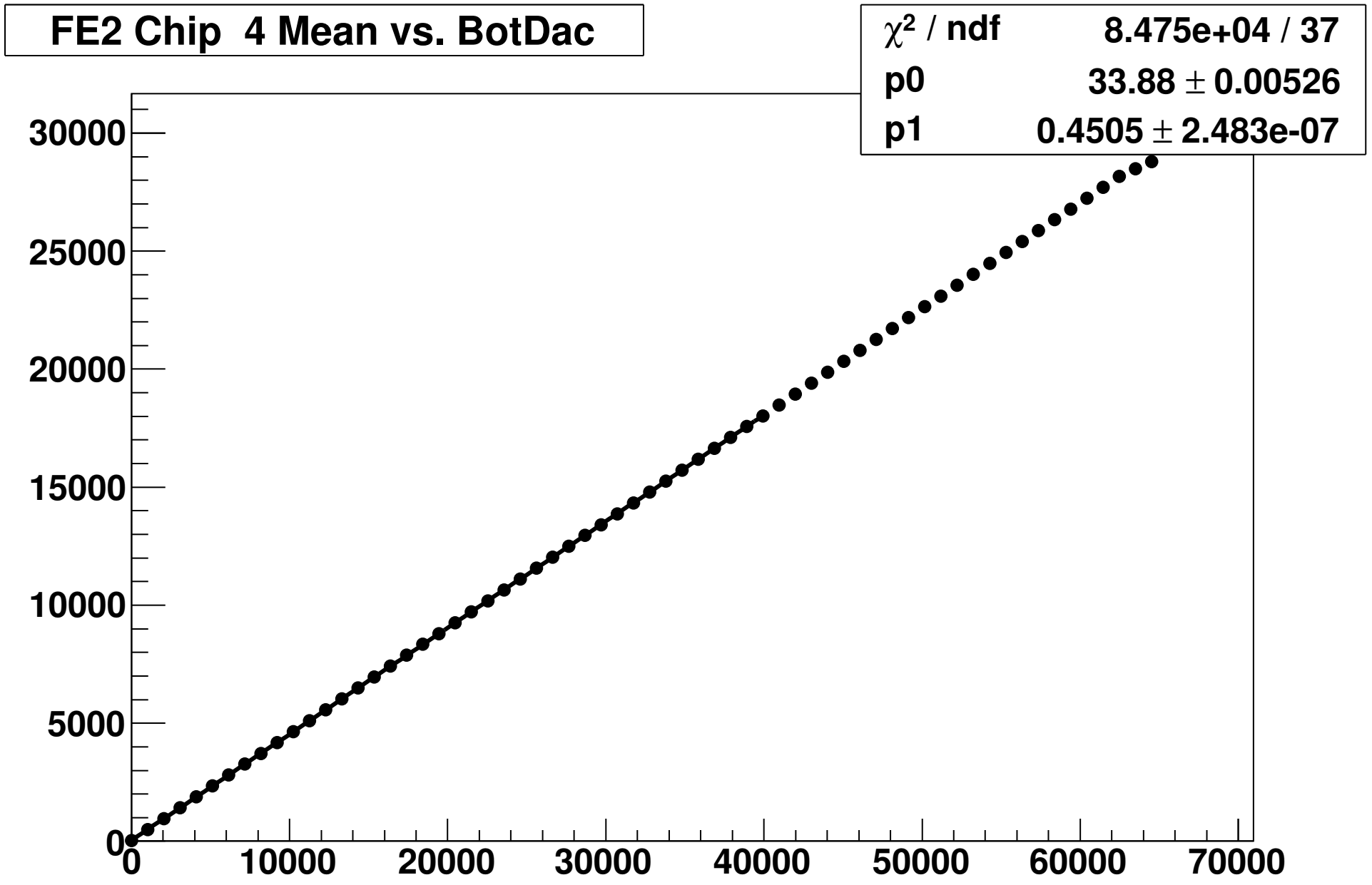
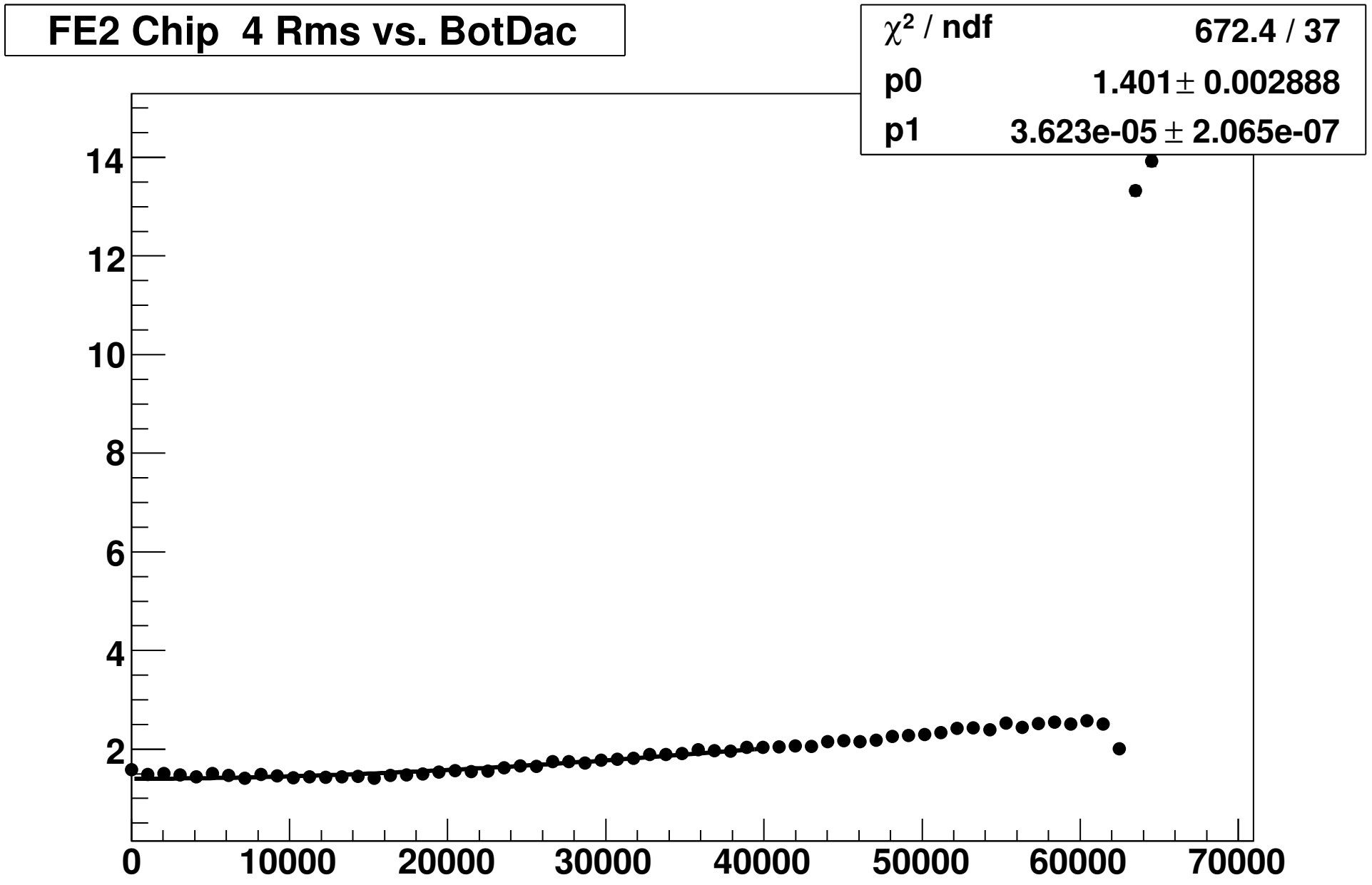

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2.132e+05 / 37
p0 36.43 ± 0.005256
p1 0.4501 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

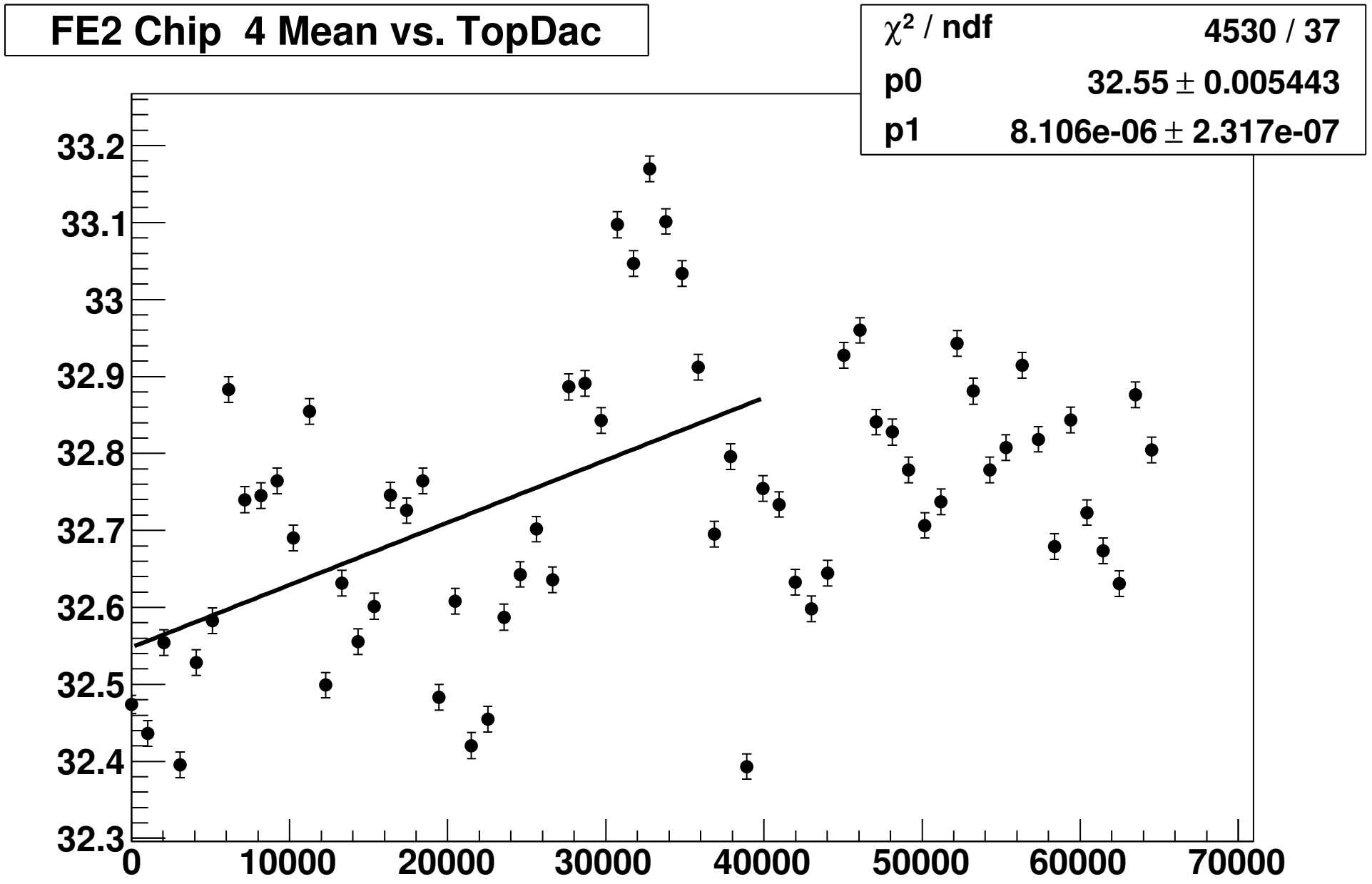

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 840.2 / 37
p0 1.399 ± 0.002872
p1 3.519e-05 ± 2.084e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

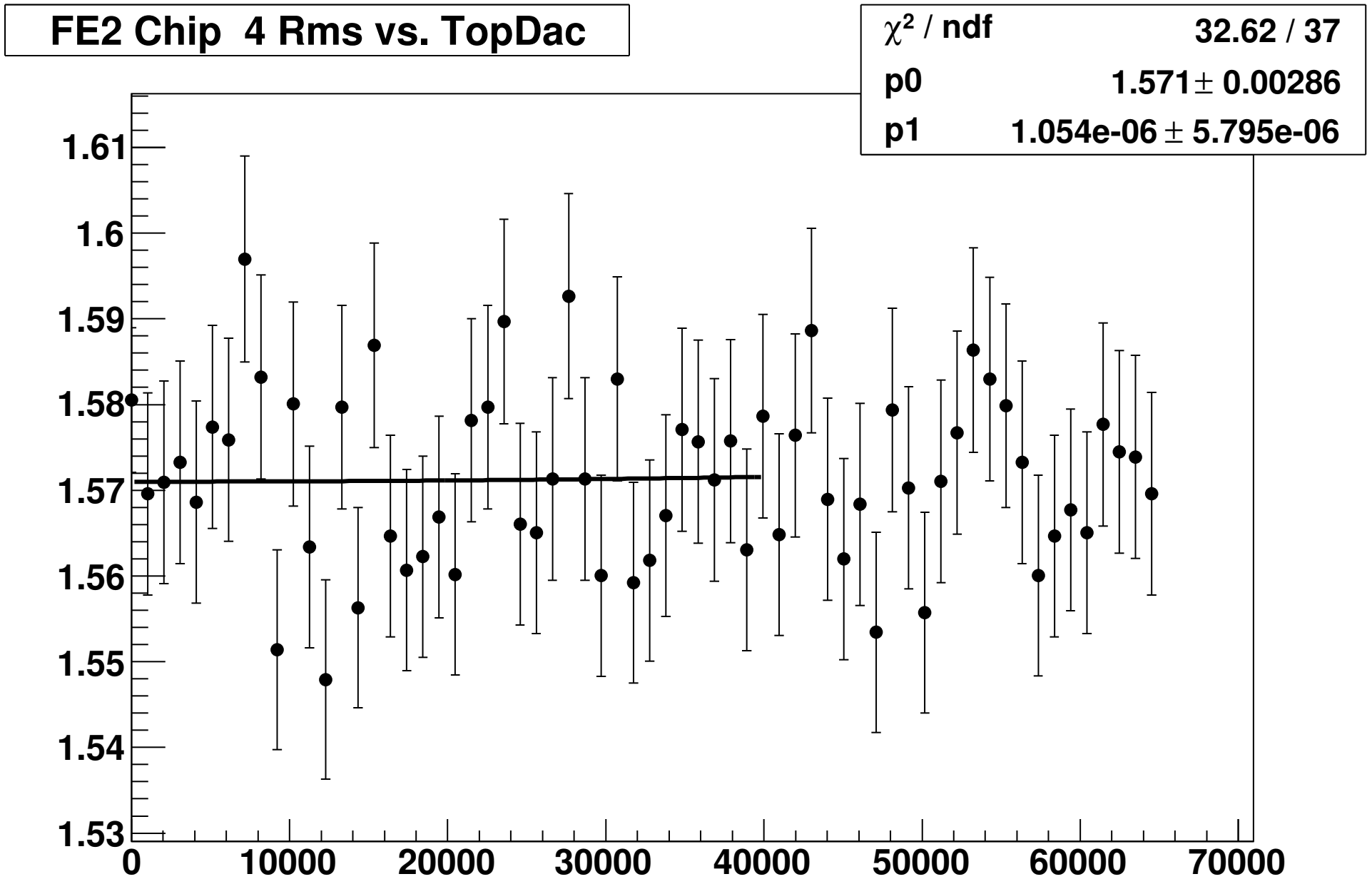

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 4398 / 37
p0 34.68 ± 0.005207
p1 3.824e-06 ± 2.217e-07
35.2
35.1
35
34.9
34.8
34.7
34.6
34.5
34.4
34.3
0
10000
20000
30000
40000
50000
60000
70000

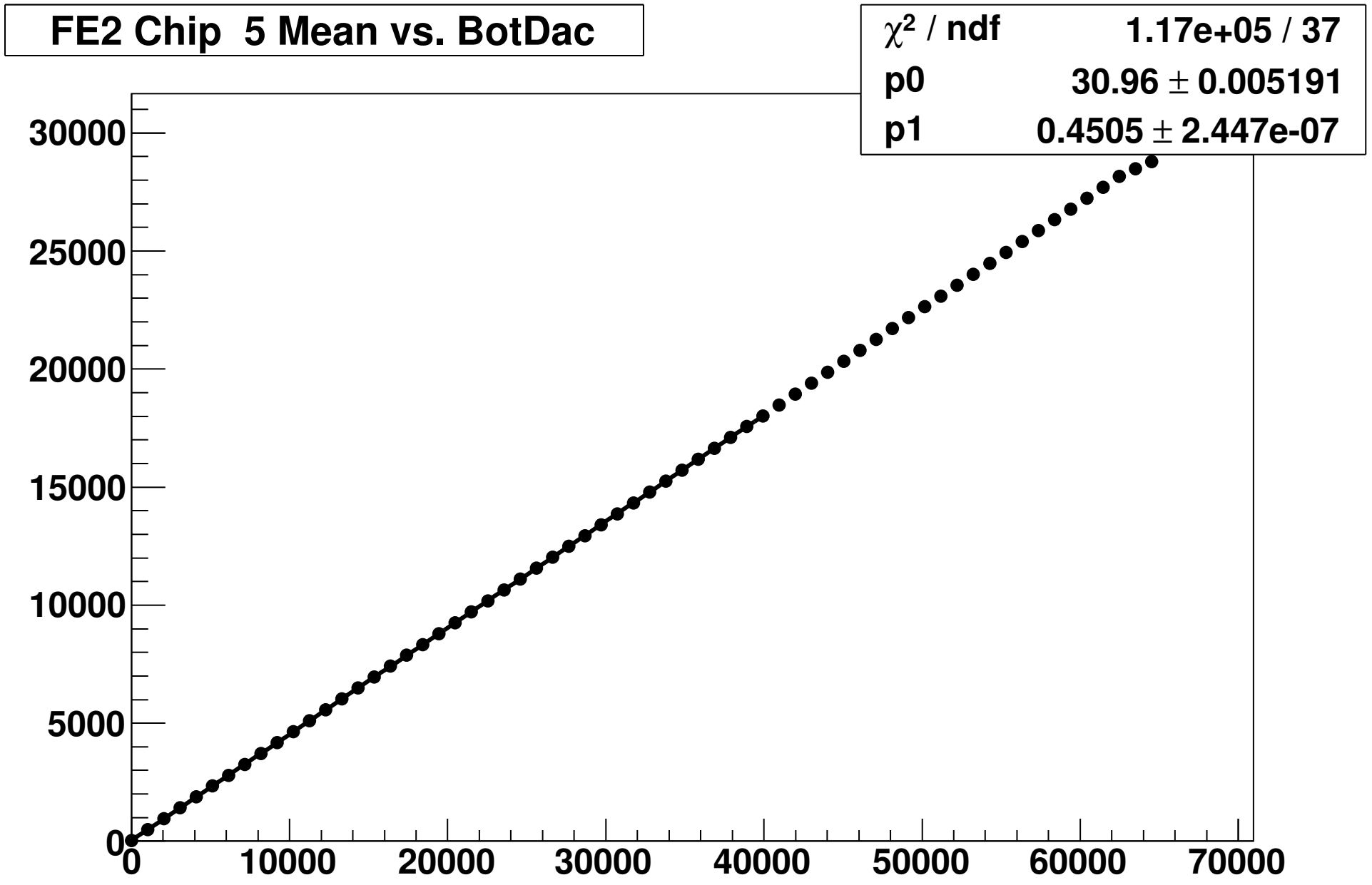

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 18.57 / 37
p0 1.503 ± 0.00274
p1 2.661e-06 ± 2.103e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

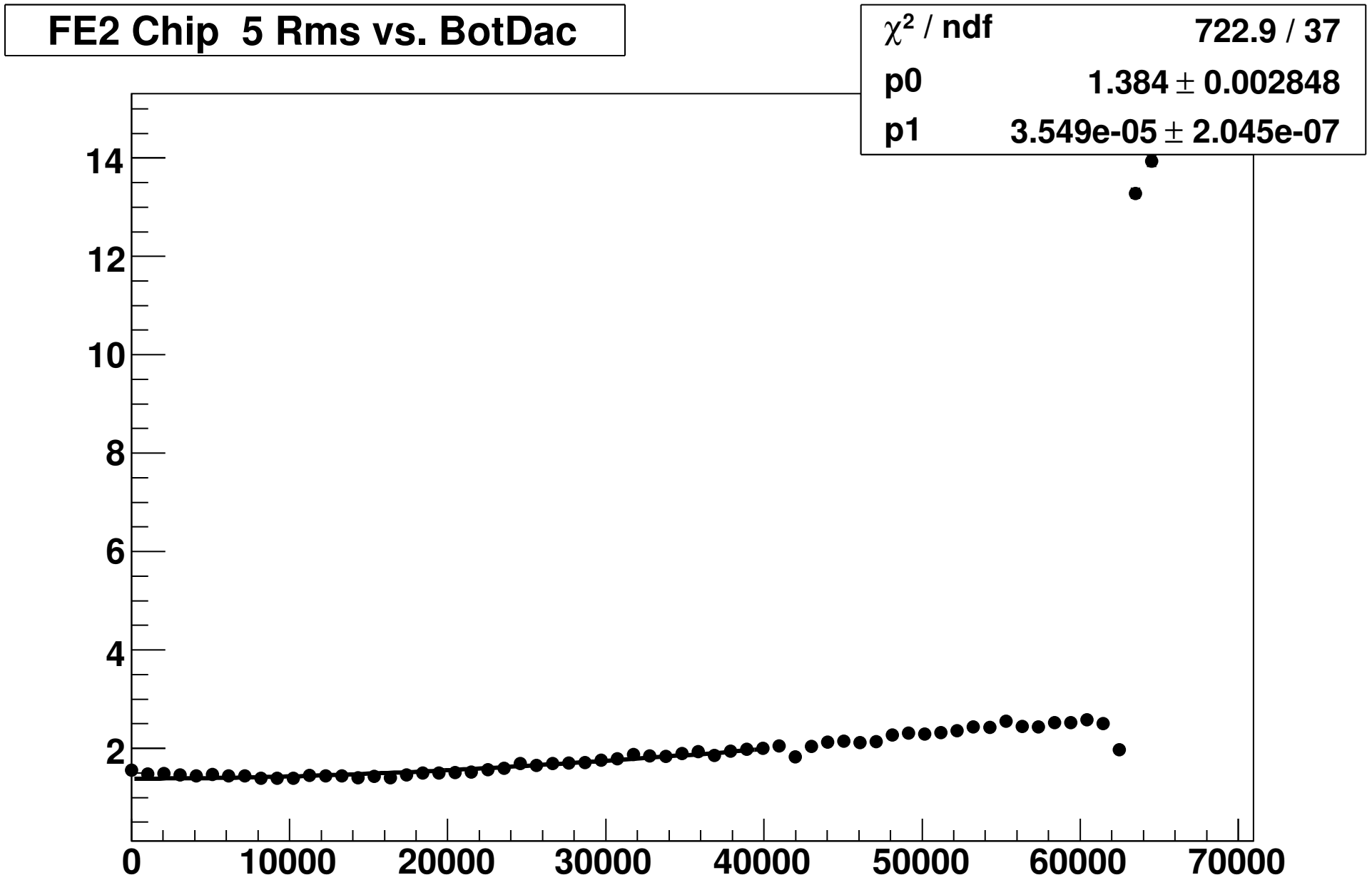

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 8.475e+04 / 37
p0 33.88 ± 0.00526
p1 0.4505 ± 2.483e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

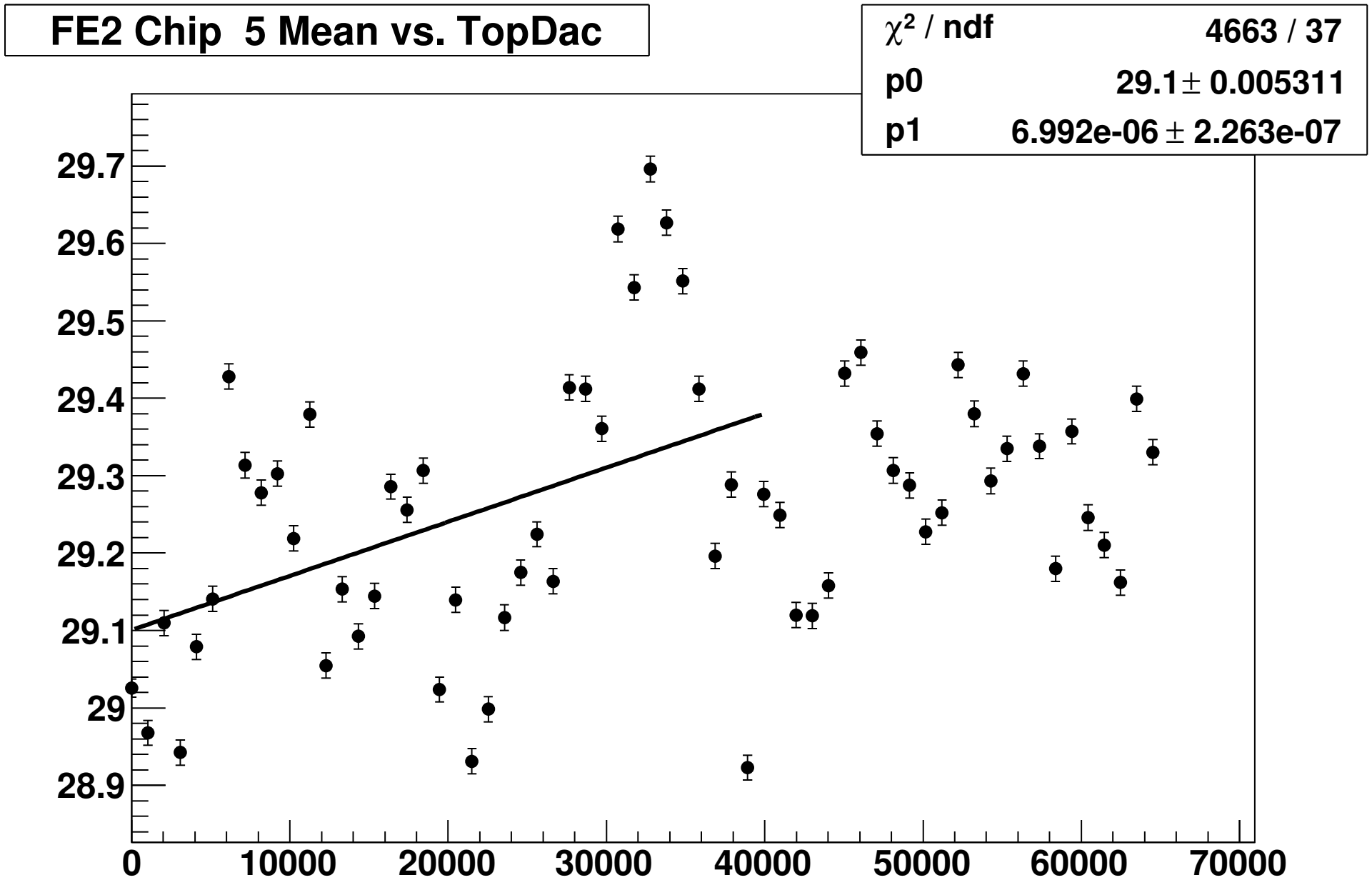

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 672.4 / 37
p0 1.401 ± 0.002888
p1 3.623e-05 ± 2.065e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 4530 / 37
p0 32.55 ± 0.005443
p1 8.106e-06 ± 2.317e-07
33.2
33.1
33
32.9
32.8
32.7
32.6
32.5
32.4
32.3
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 32.62 / 37
p0 1.571 ± 0.00286
p1 1.054e-06 ± 5.795e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.17e+05 / 37
p0 30.96 ± 0.005191
p1 0.4505 ± 2.447e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 722.9 / 37
p0 1.384 ± 0.002848
p1 3.549e-05 ± 2.045e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 4663 / 37
p0 29.1 ± 0.005311
p1 6.992e-06 ± 2.263e-07
29.7
29.6
29.5
29.4
29.3
29.2
29.1
29
28.9
0
10000
20000
30000
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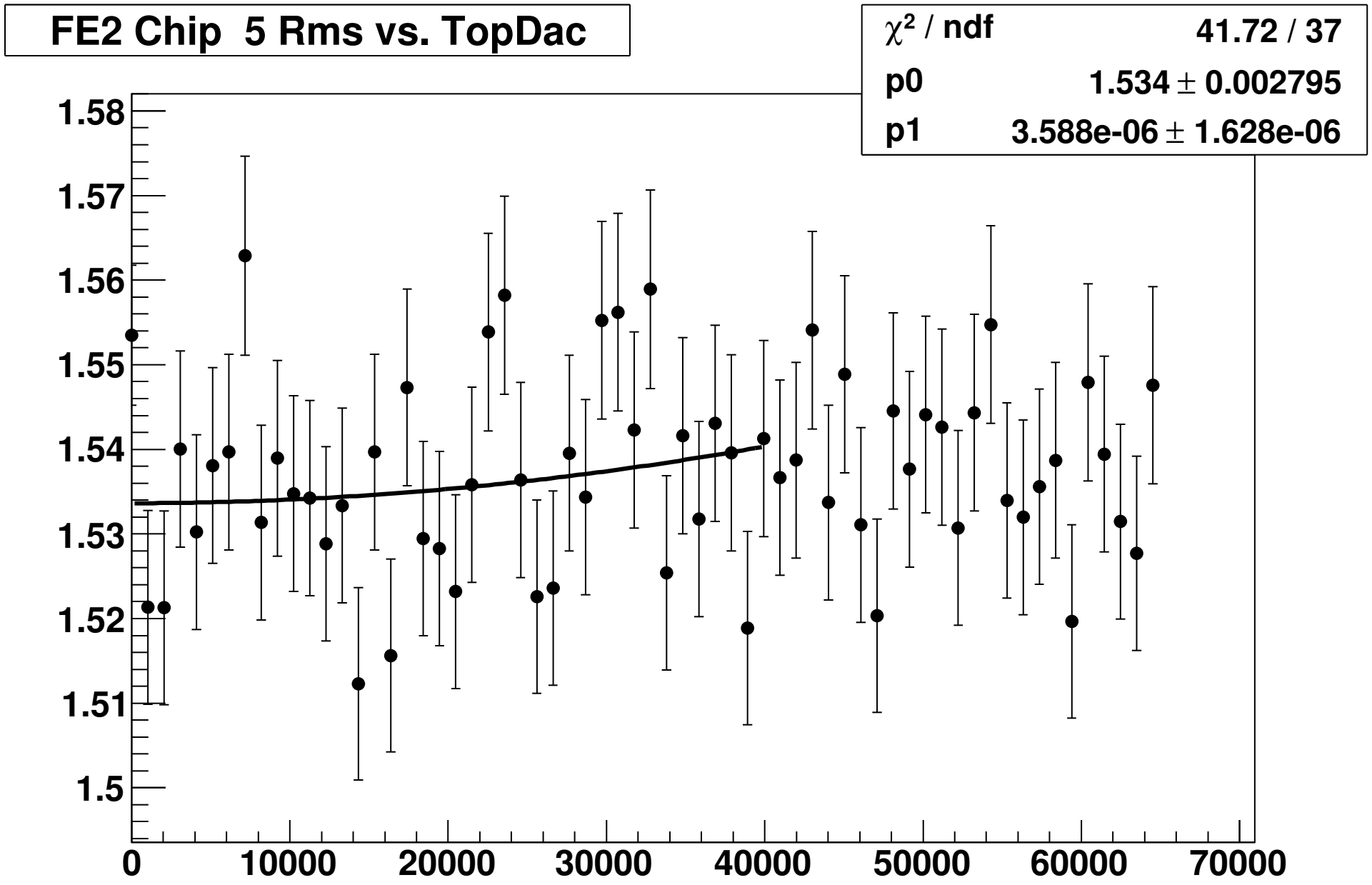
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 41.72 / 37
p0 1.534 ± 0.002795
p1 3.588e-06 ± 1.628e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
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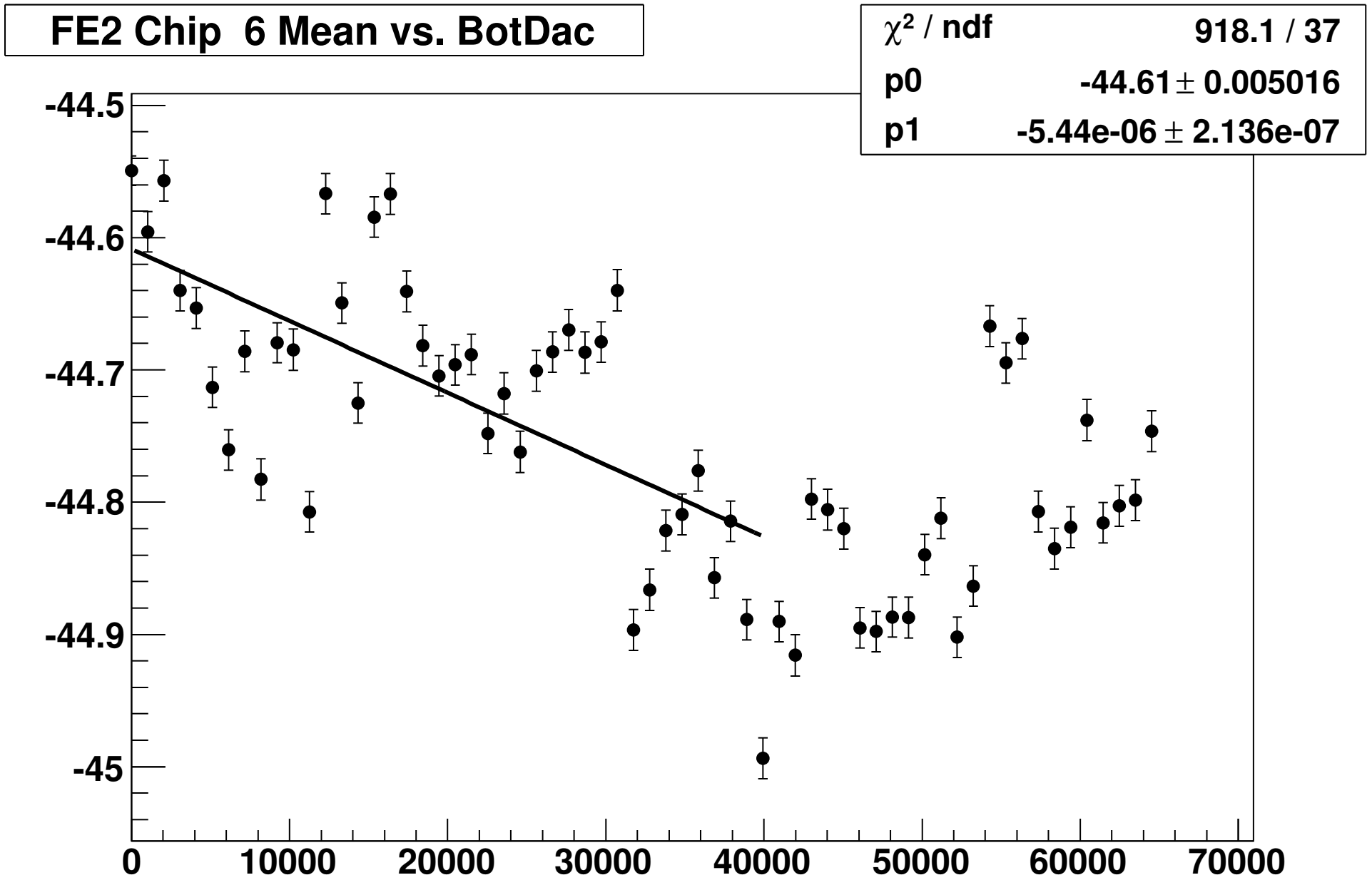
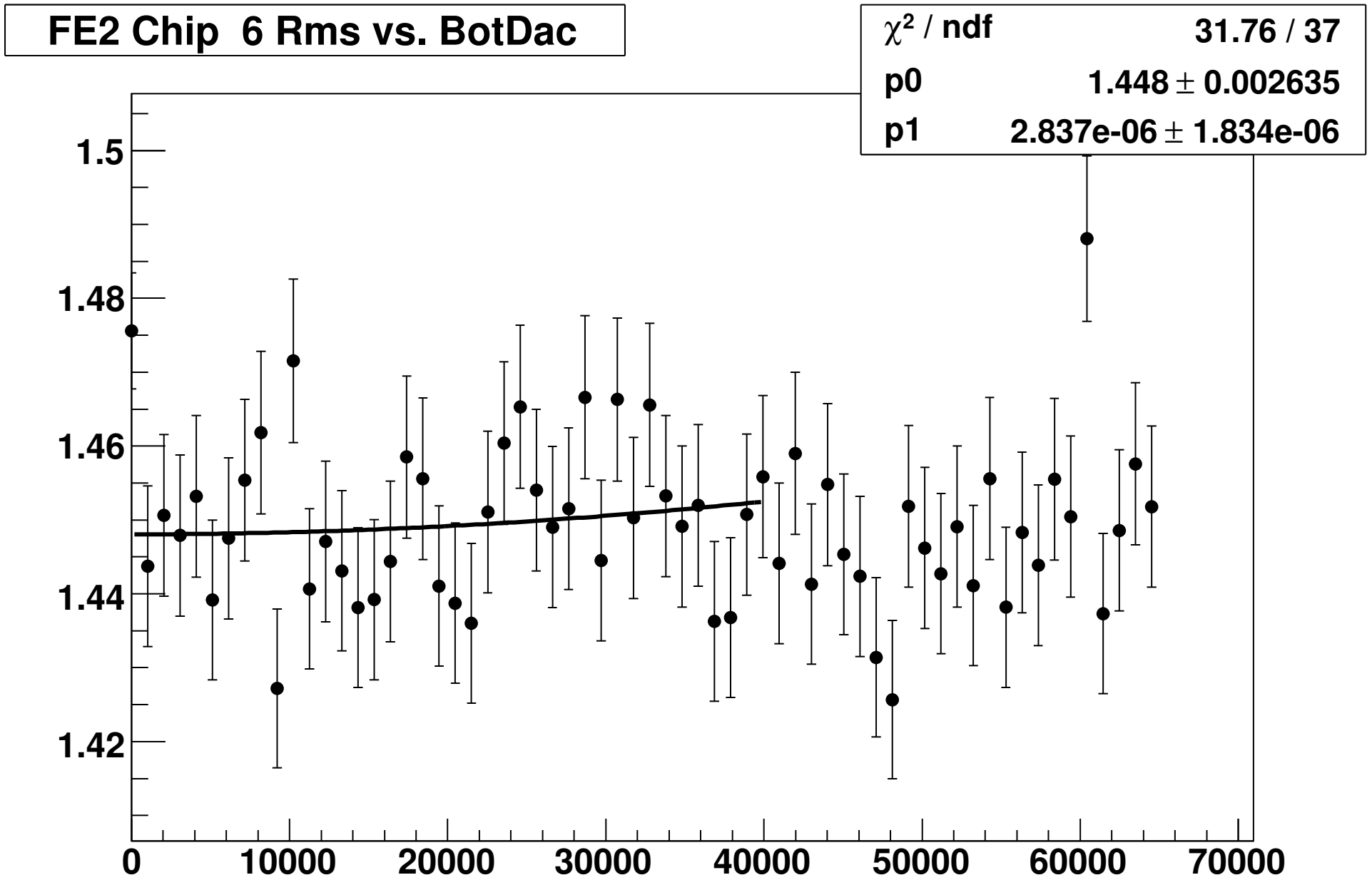
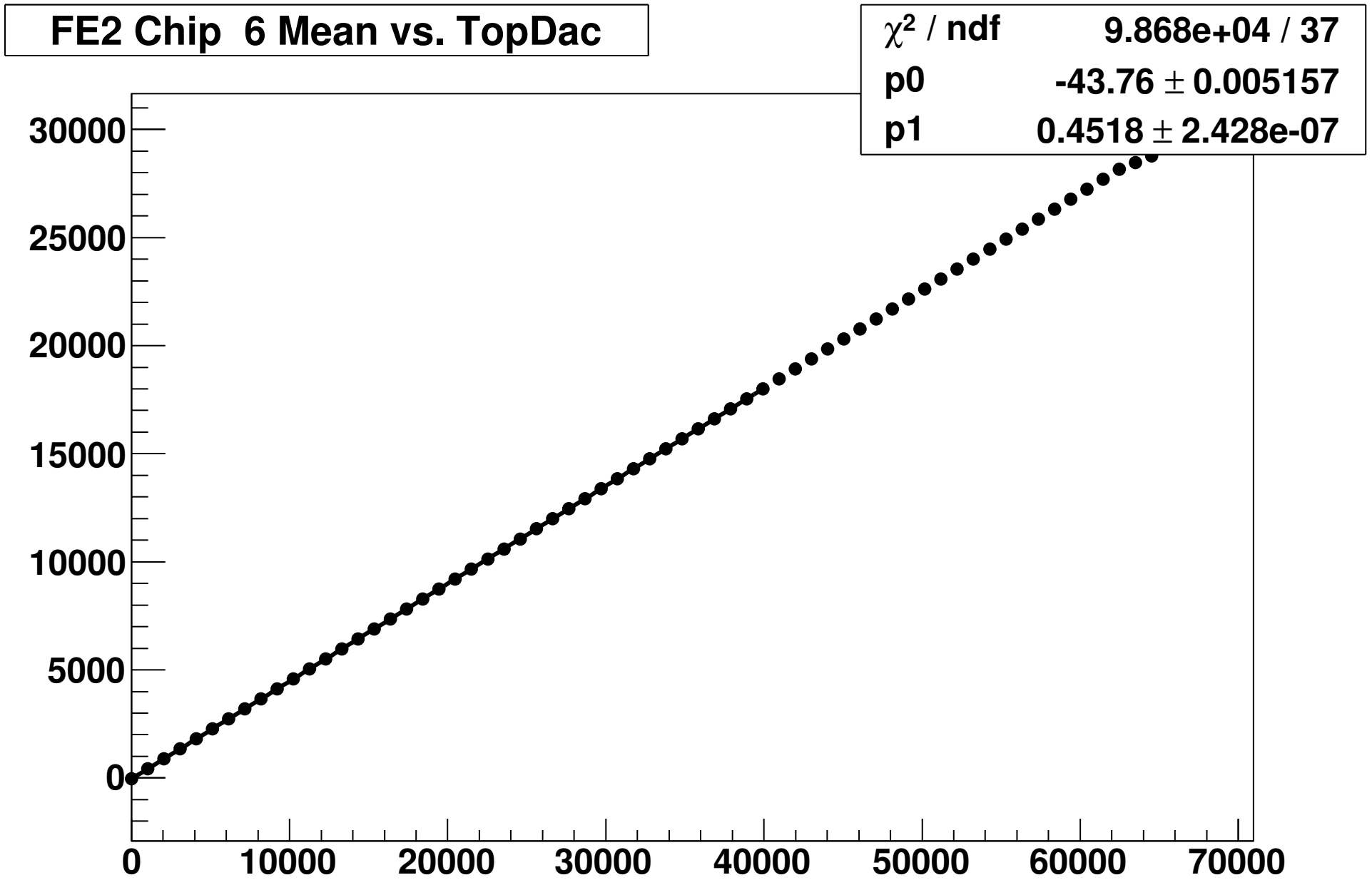
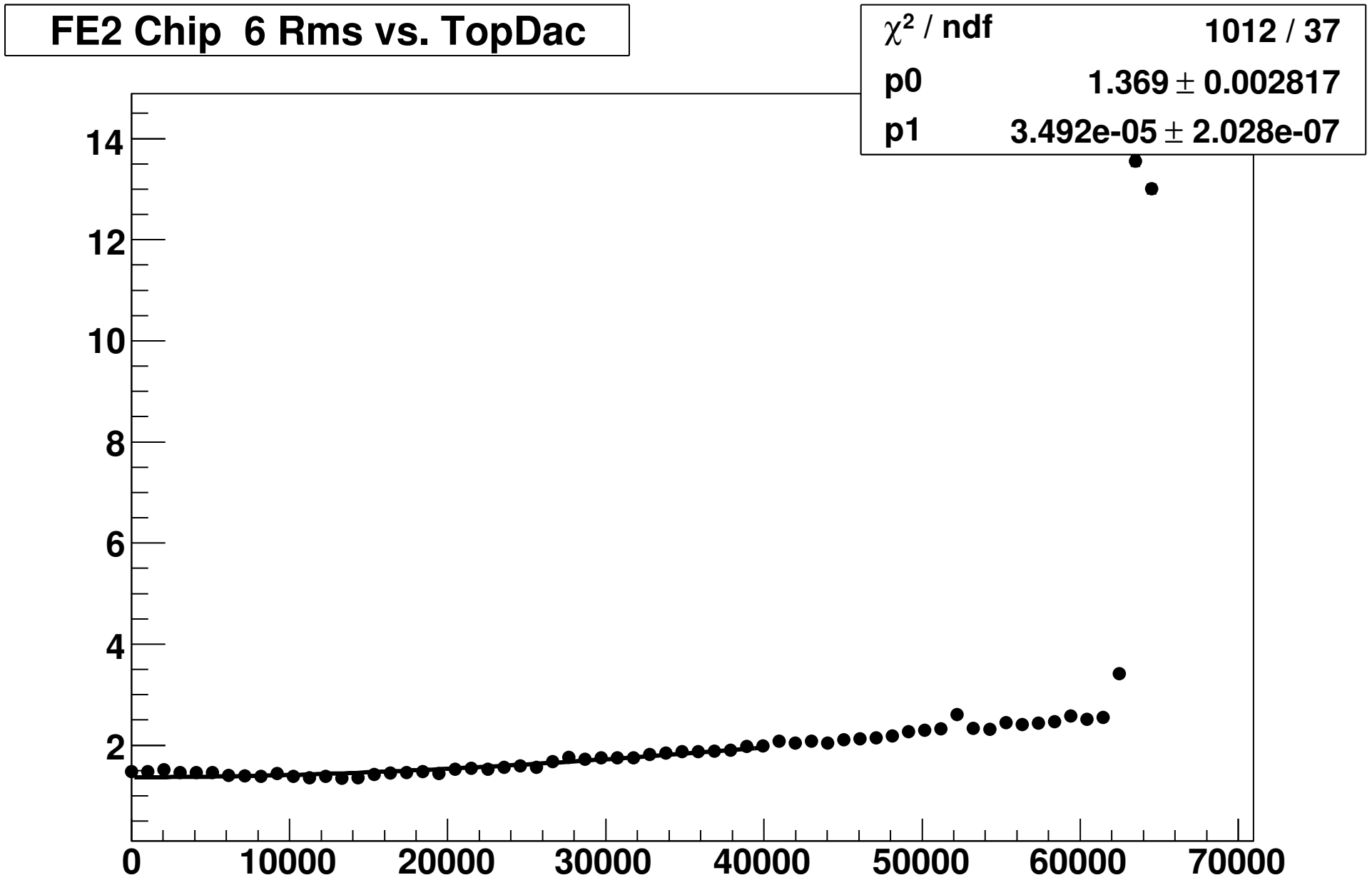
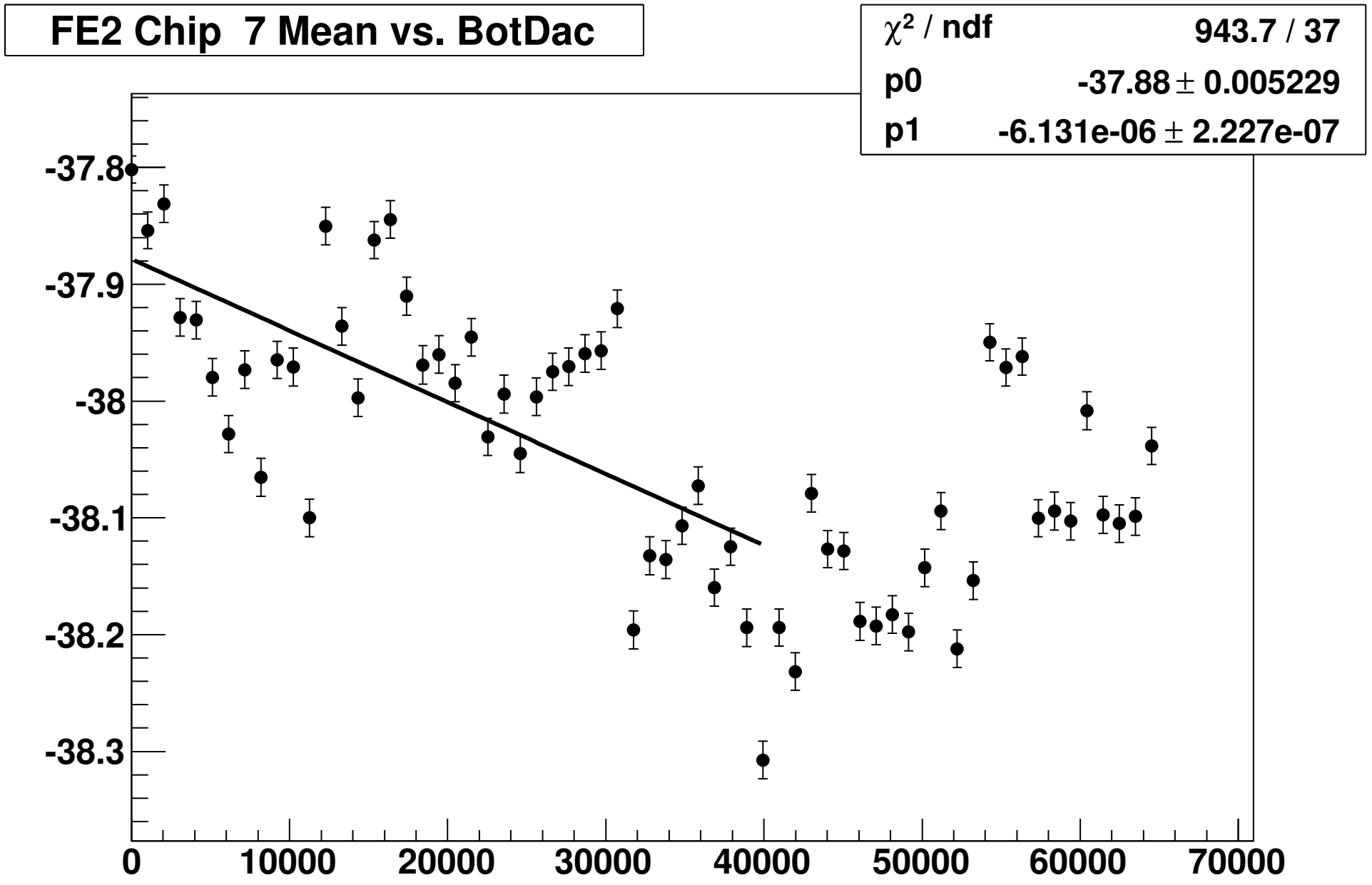
50000
60000
70000

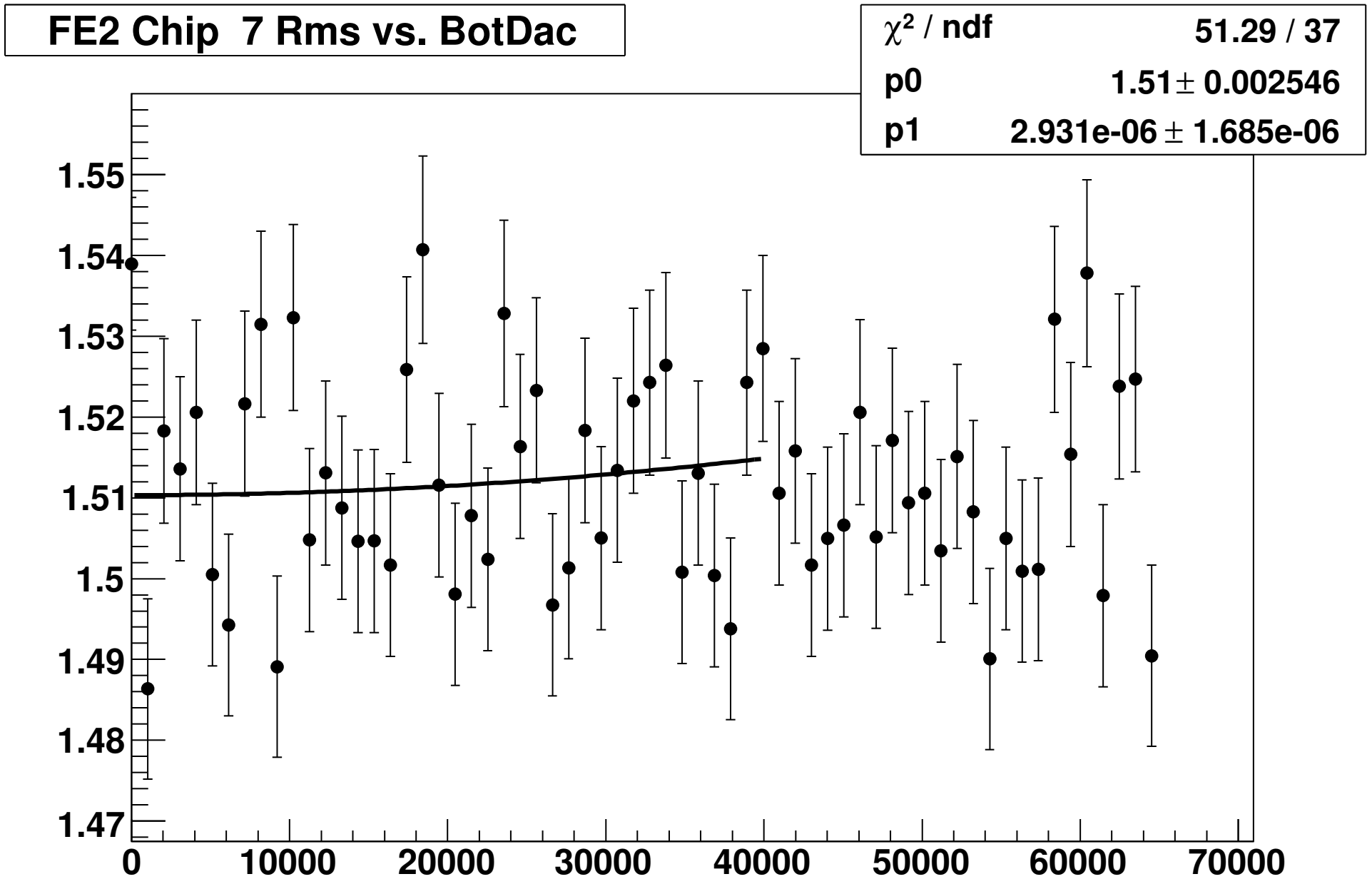

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 918.1 / 37
p0 -44.61 ± 0.005016
p1 -5.44e-06 ± 2.136e-07
-44.5
-44.6
-44.7
-44.8
-44.9
-45
0
10000
20000
30000
40000
50000
60000
70000

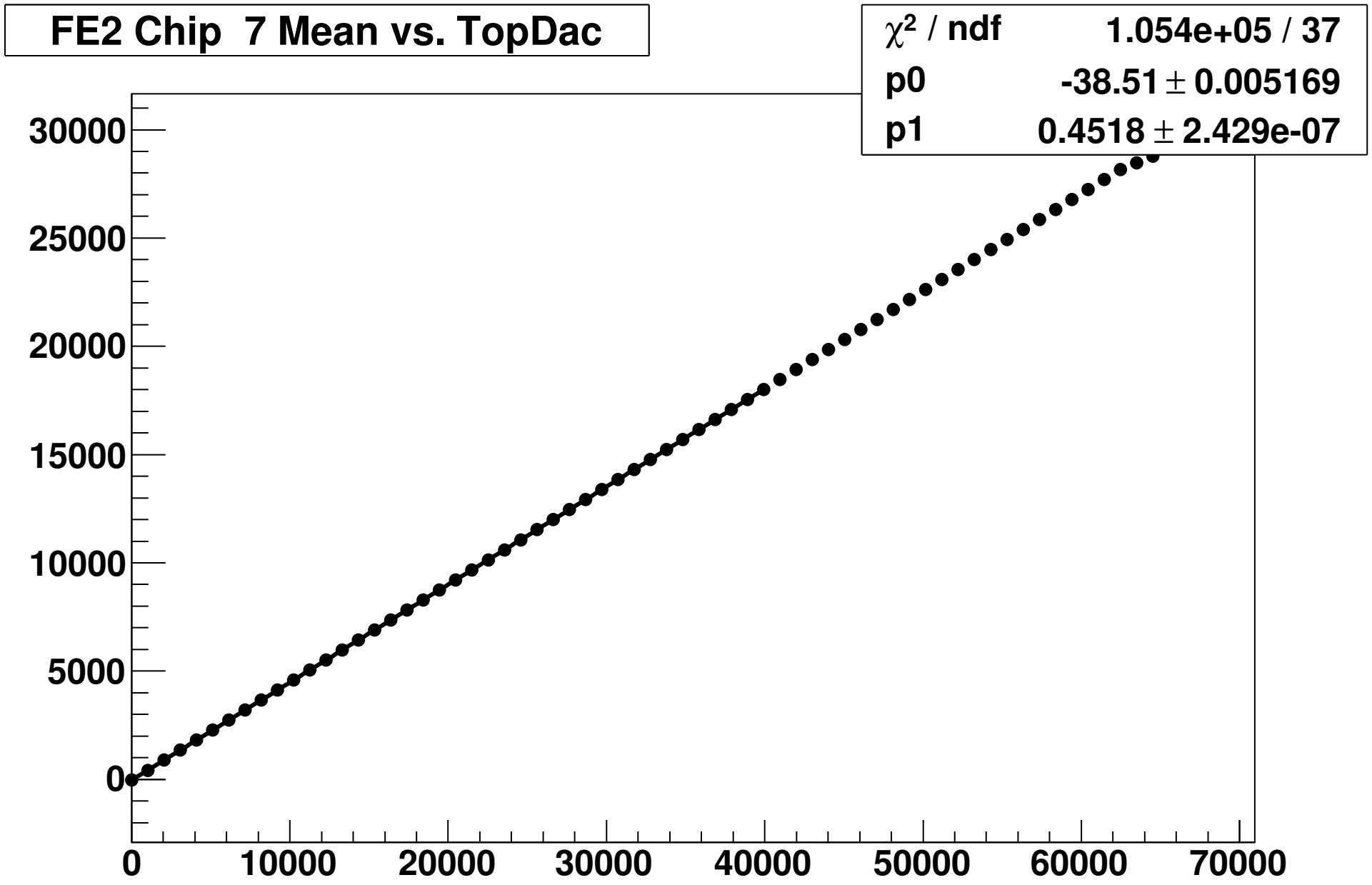

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 31.76 / 37
p0 1.448 ± 0.002635
p1 2.837e-06 ± 1.834e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

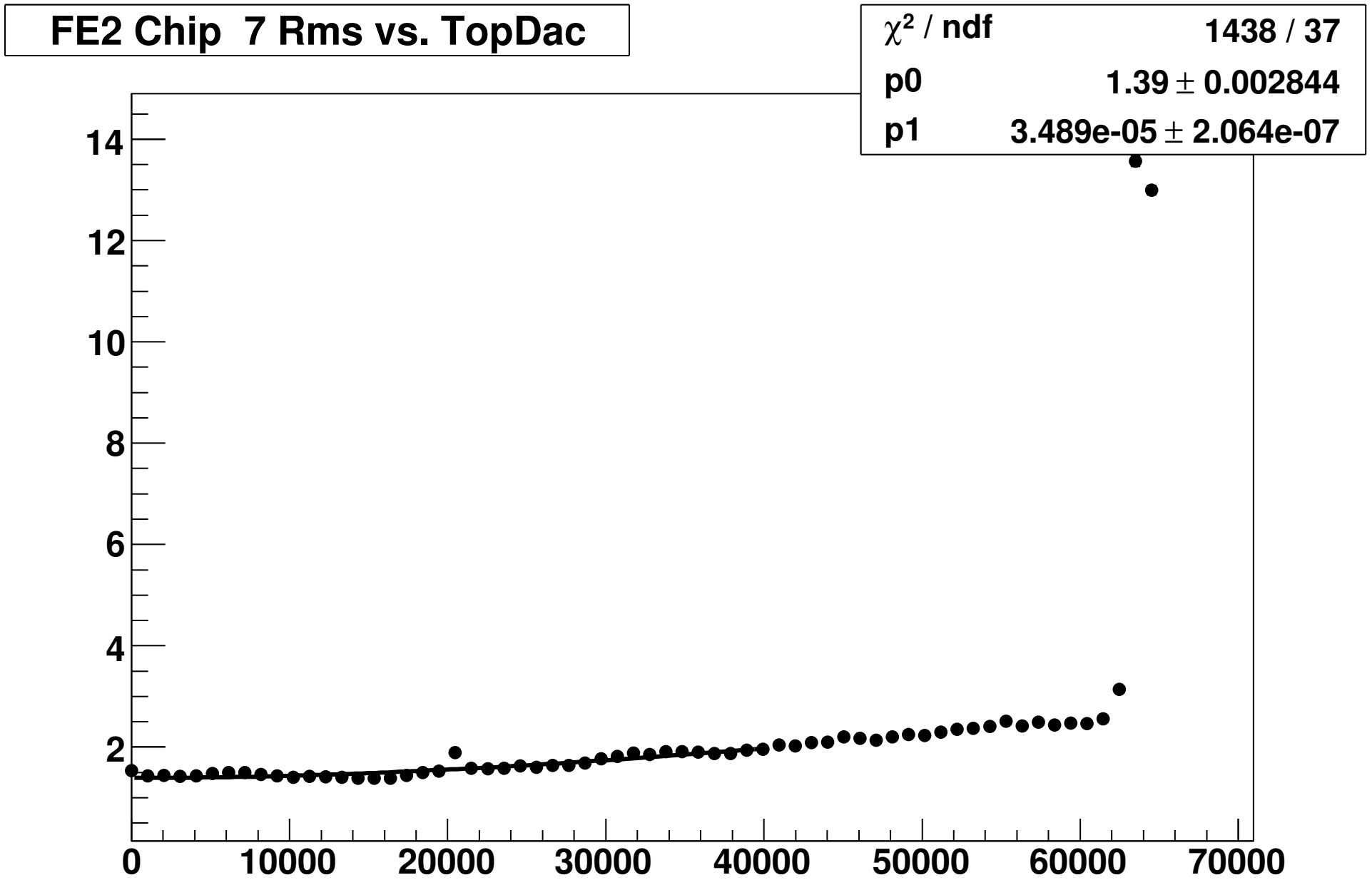

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 9.868e+04 / 37
p0 -43.76 ± 0.005157
p1 0.4518 ± 2.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

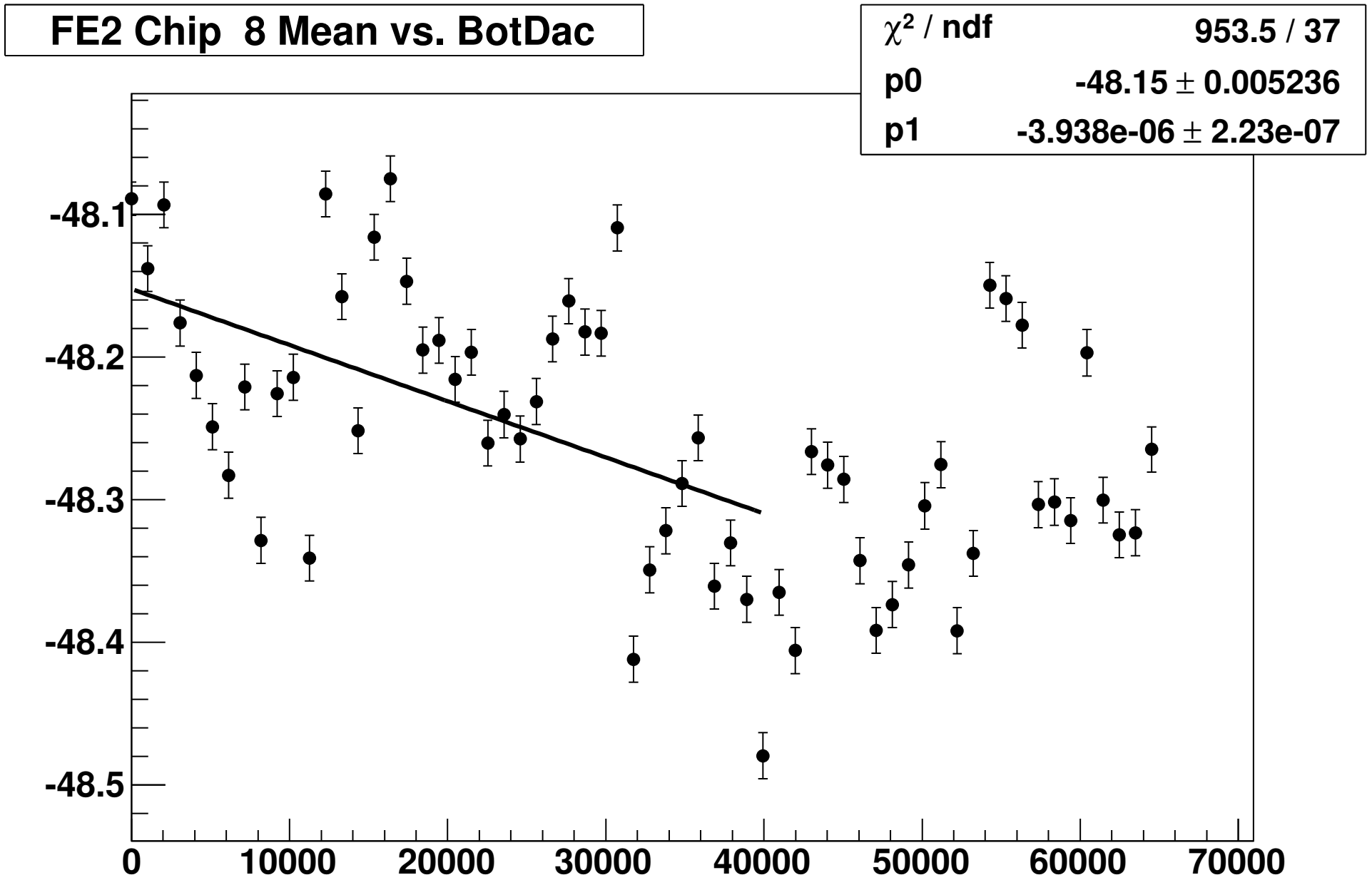

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1012 / 37
p0 1.369 ± 0.002817
p1 3.492e-05 ± 2.028e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

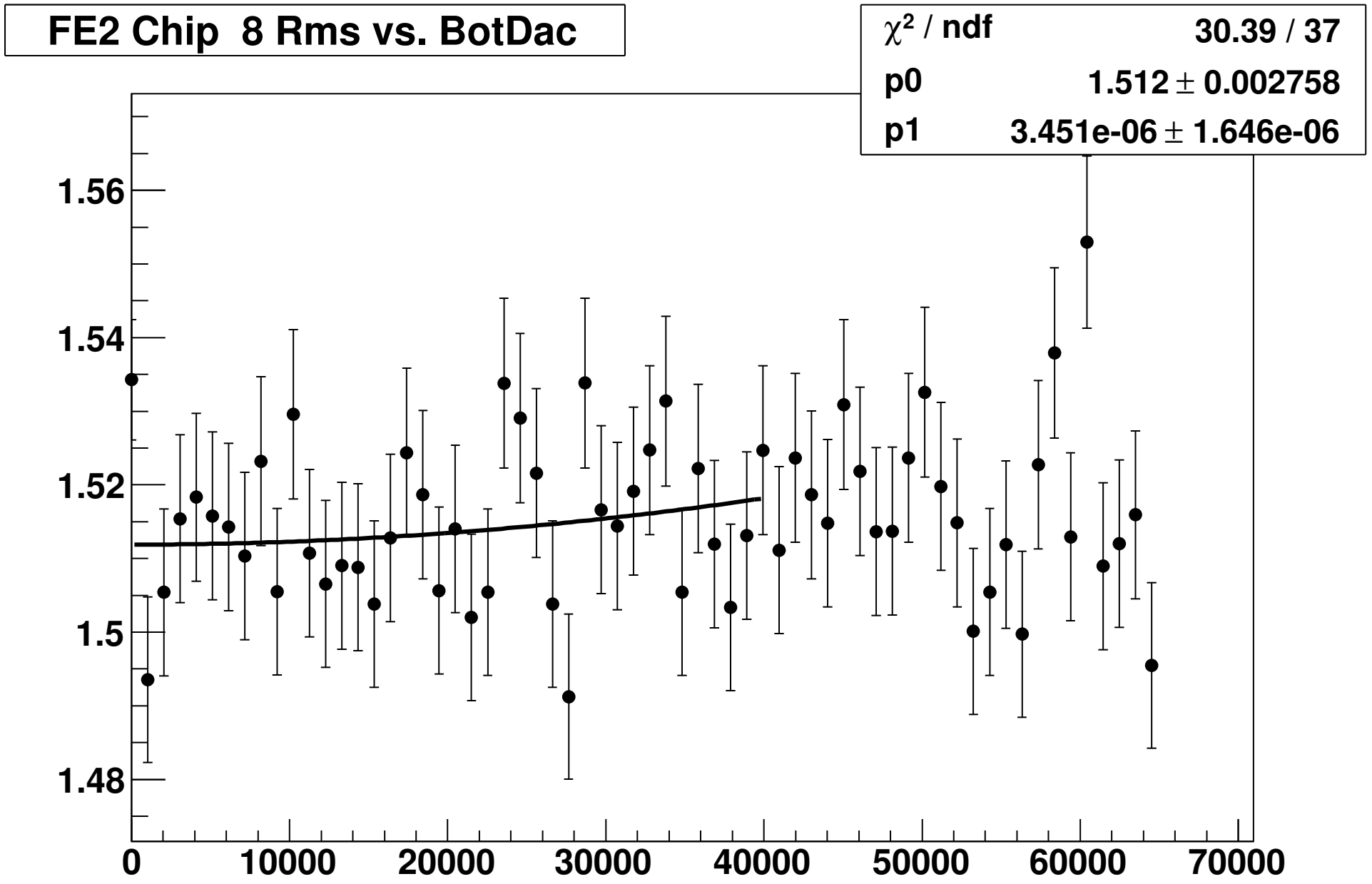

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 943.7 / 37
p0 -37.88 ± 0.005229
p1 -6.131e-06 ± 2.227e-07
-37.8
-37.9
-38
-38.1
-38.2
-38.3
0
10000
20000
30000
40000
50000
60000
70000

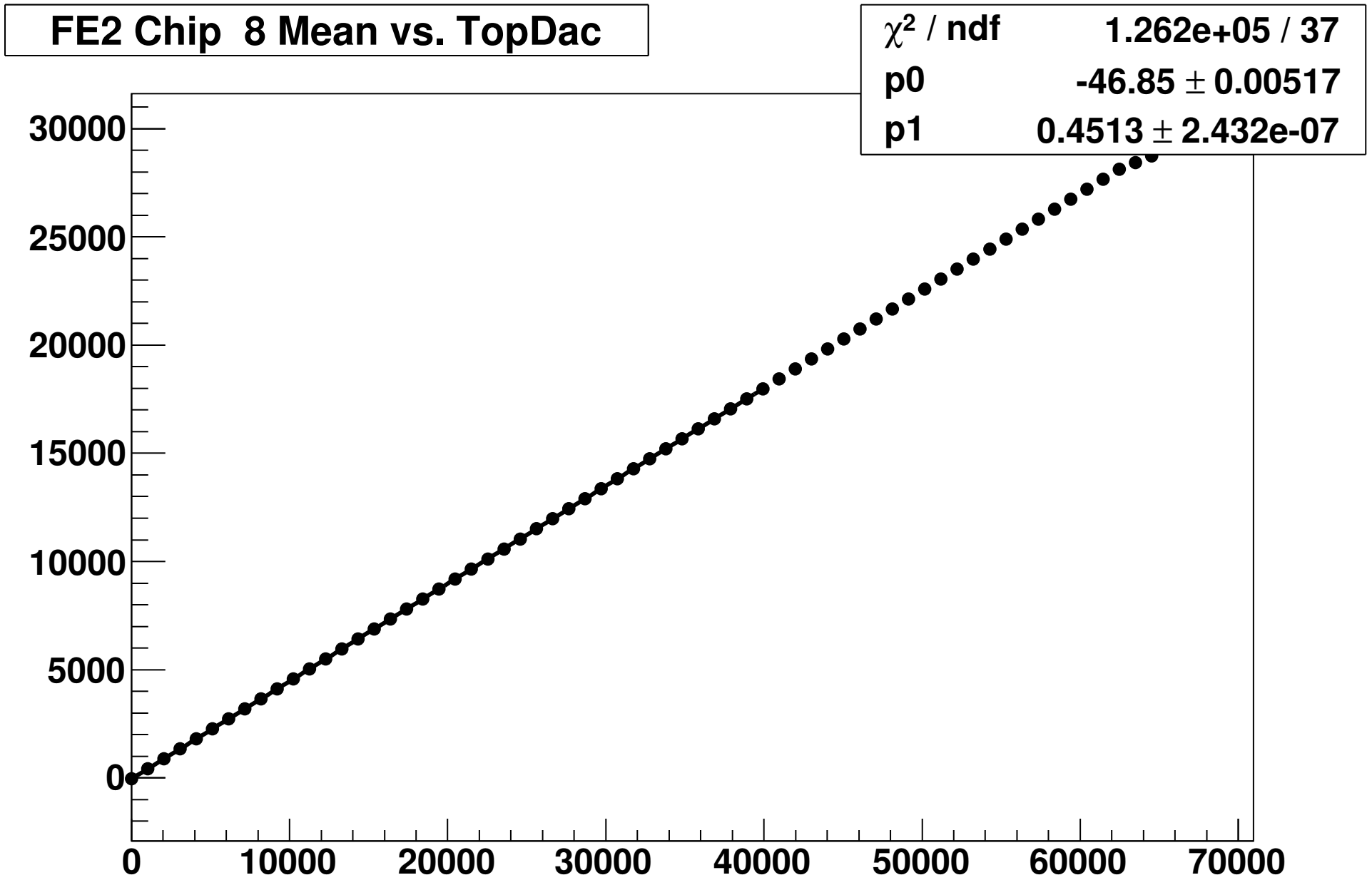

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 51.29 / 37
p0 1.51 ± 0.002546
p1 2.931e-06 ± 1.685e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

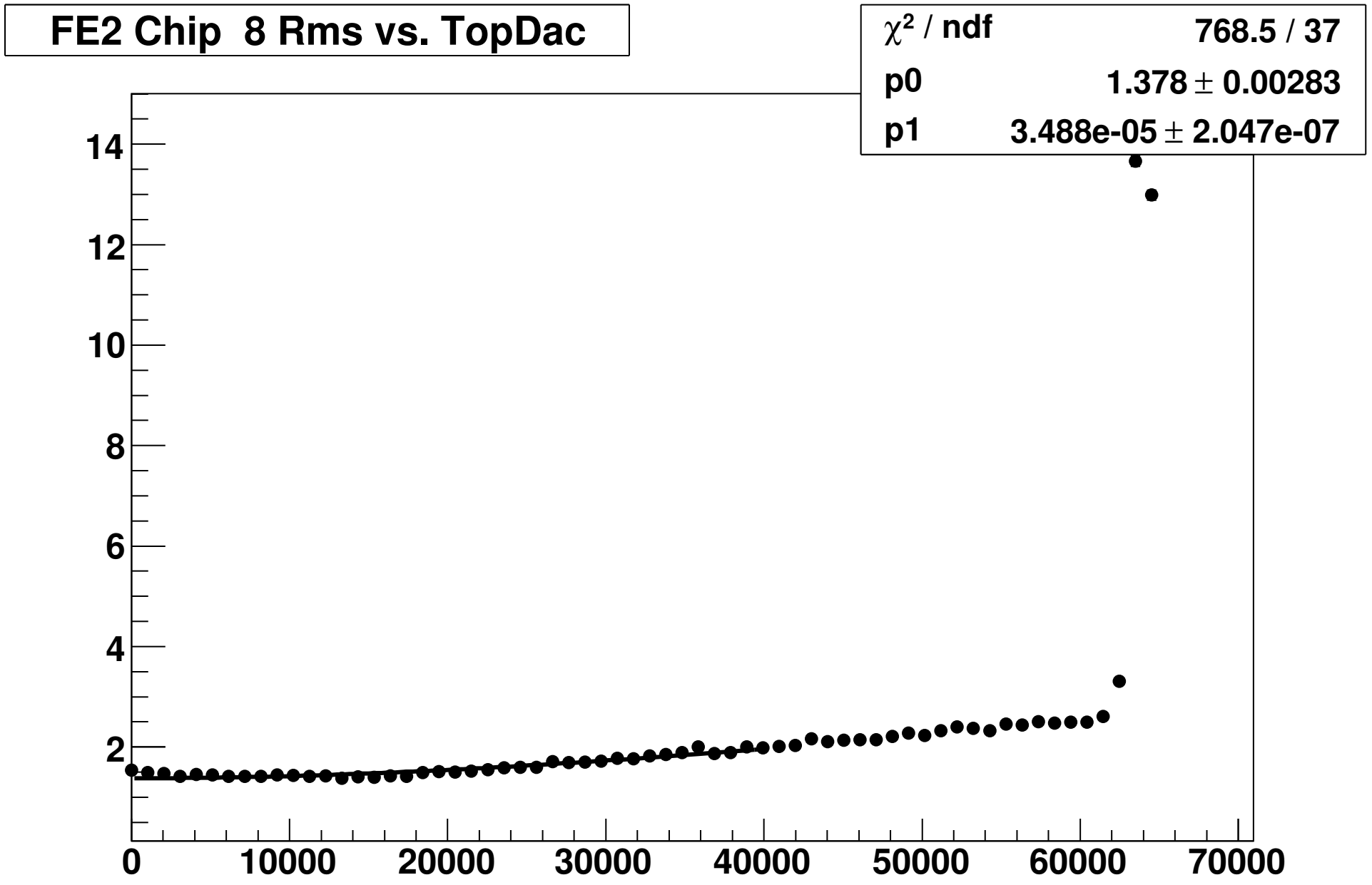

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.054e+05 / 37
p0 -38.51 ± 0.005169
p1 0.4518 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

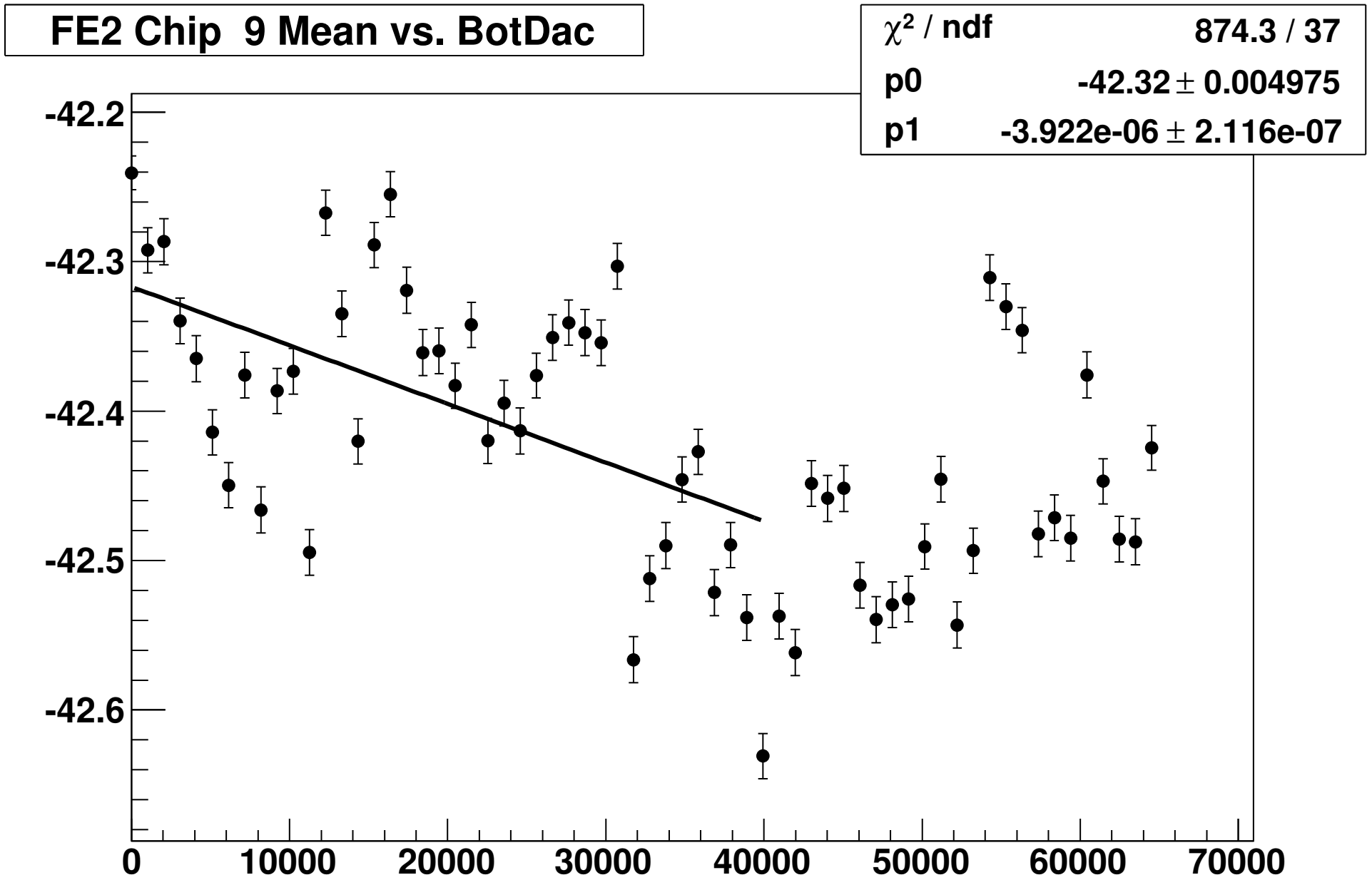

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1438 / 37
p0 1.39 ± 0.002844
p1 3.489e-05 ± 2.064e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 953.5 / 37
p0 -48.15 ± 0.005236
p1 -3.938e-06 ± 2.23e-07
-48.1
-48.2
-48.3
-48.4
-48.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 30.39 / 37
p0 1.512 ± 0.002758
p1 3.451e-06 ± 1.646e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.262e+05 / 37
p0 -46.85 ± 0.00517
p1 0.4513 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 768.5 / 37
p0 1.378 ± 0.00283
p1 3.488e-05 ± 2.047e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 874.3 / 37
p0 -42.32 ± 0.004975
p1 -3.922e-06 ± 2.116e-07
-42.2
-42.3
-42.4
-42.5
-42.6
0
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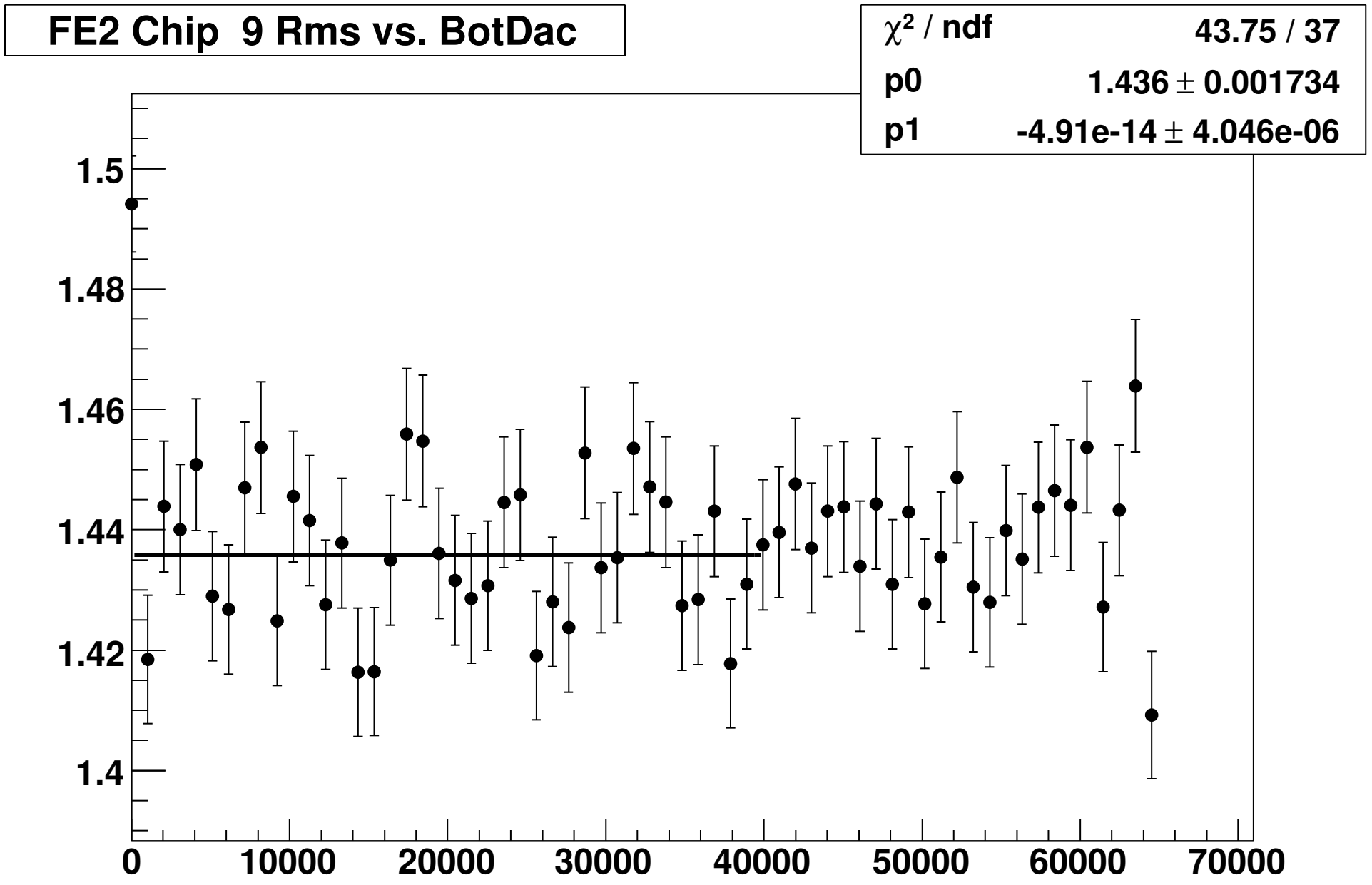
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 43.75 / 37
p0 1.436 ± 0.001734
p1 -4.91e-14 ± 4.046e-06
1.5
1.48
1.46
1.44
1.42
1.4
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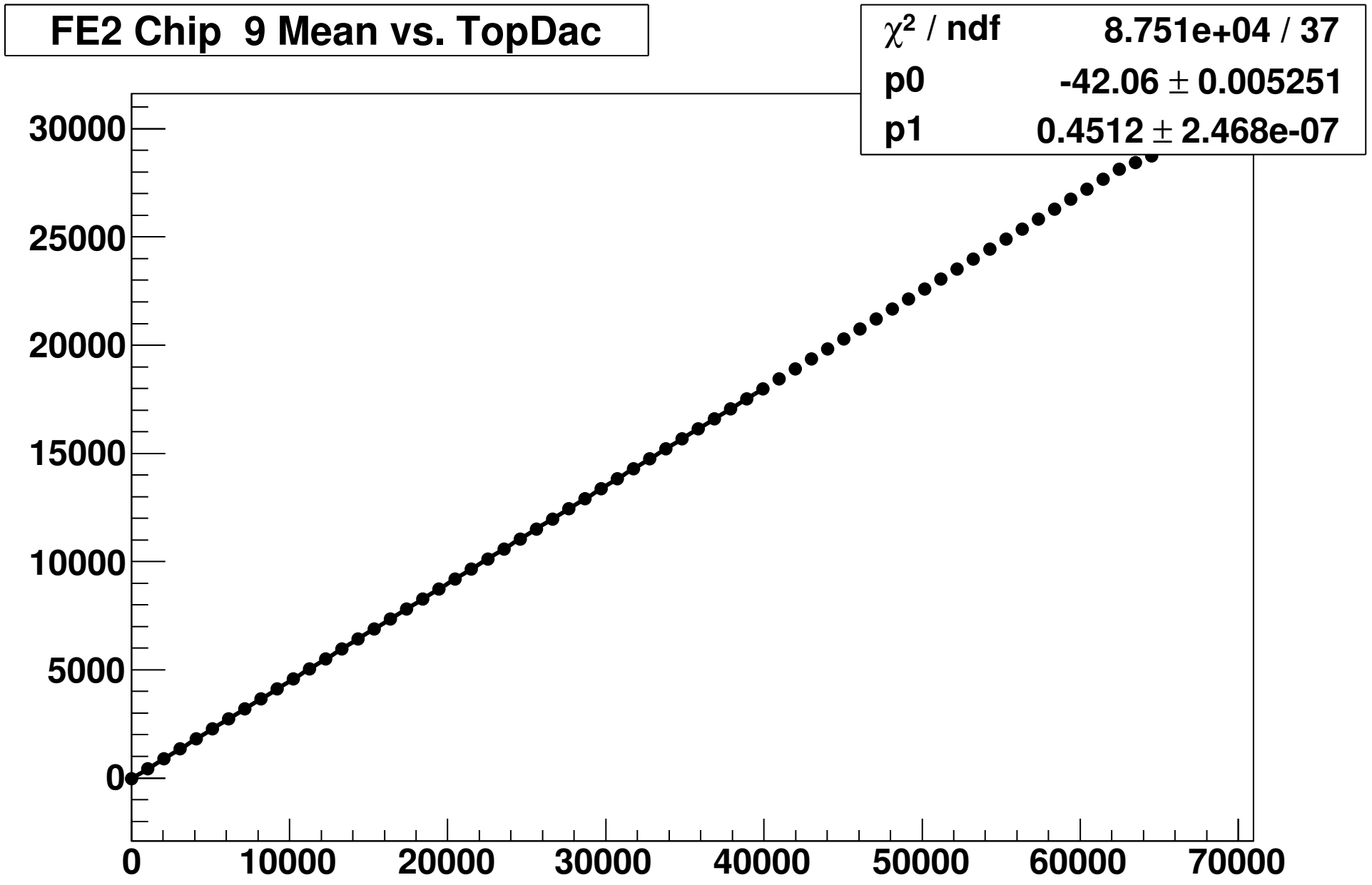
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 8.751e+04 / 37
p0 -42.06 ± 0.005251
p1 0.4512 ± 2.468e-07
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10000
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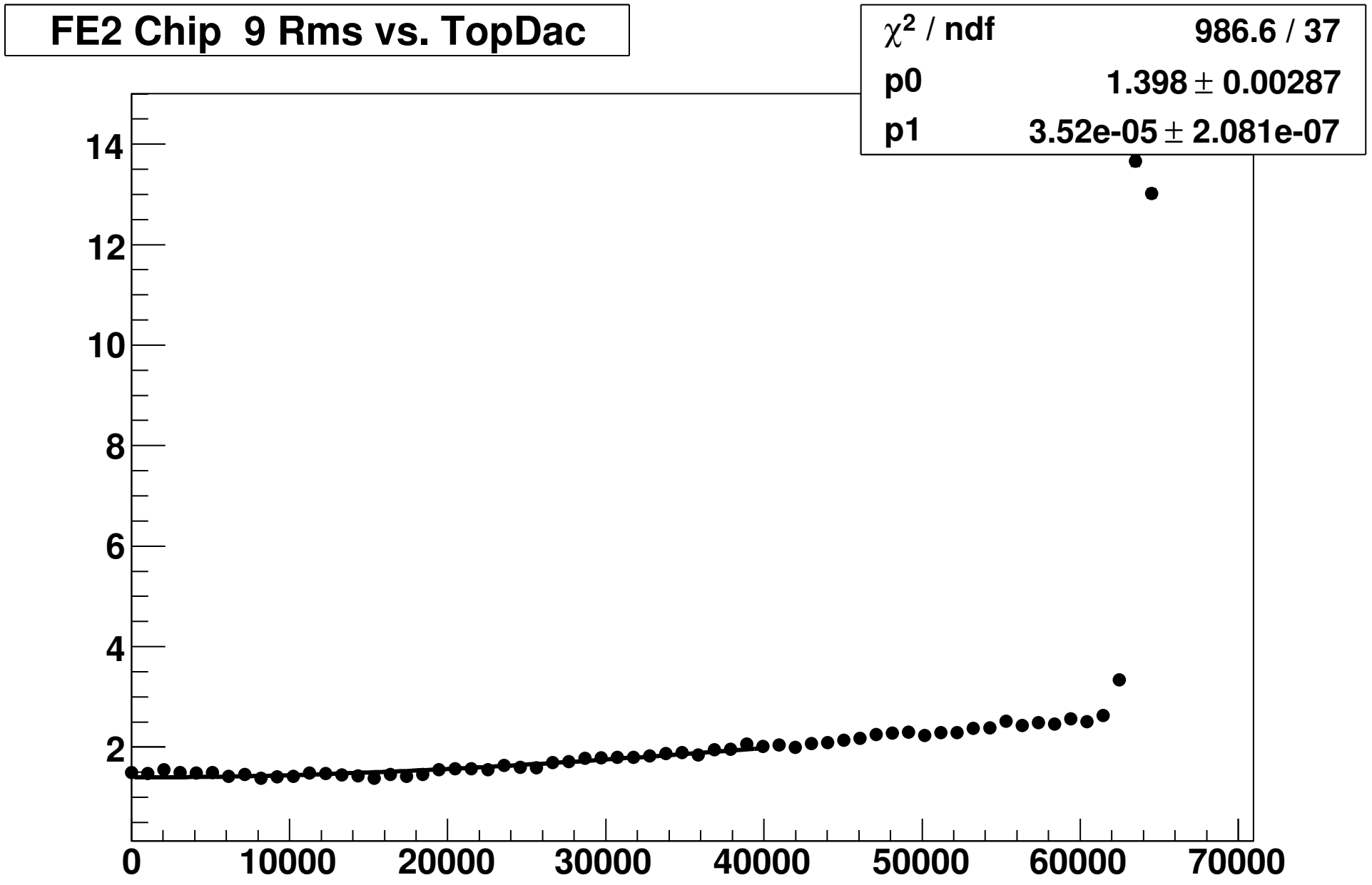
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 986.6 / 37
p0 1.398 ± 0.00287
p1 3.52e-05 ± 2.081e-07
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12
10
8
6
4
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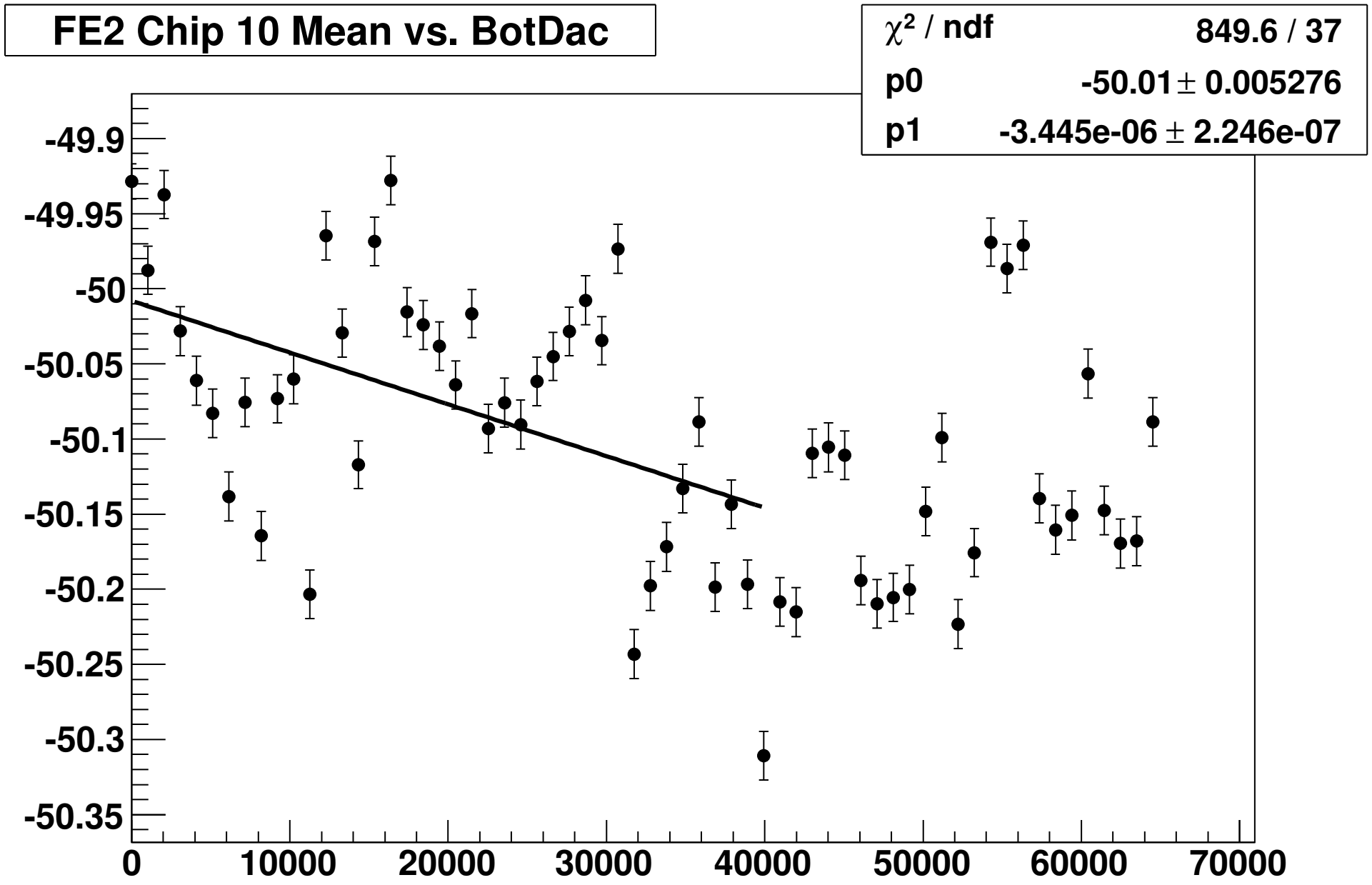
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 849.6 / 37
p0 -50.01 ± 0.005276
p1 -3.445e-06 ± 2.246e-07
-49.9
-49.95
-50
-50.05
-50.1
-50.15
-50.2
-50.25
-50.3
-50.35
0
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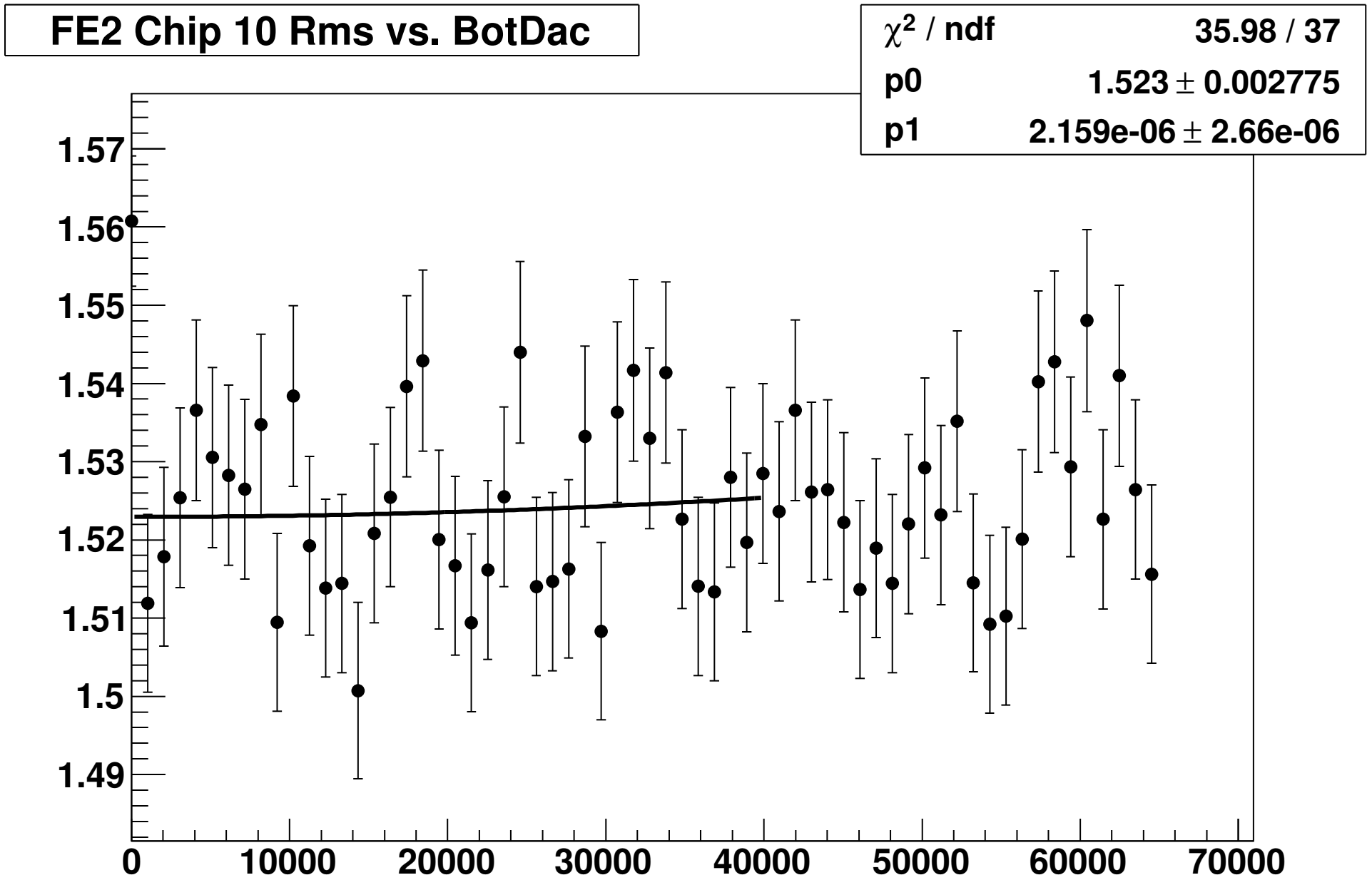
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 35.98 / 37
p0 1.523 ± 0.002775
p1 2.159e-06 ± 2.66e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
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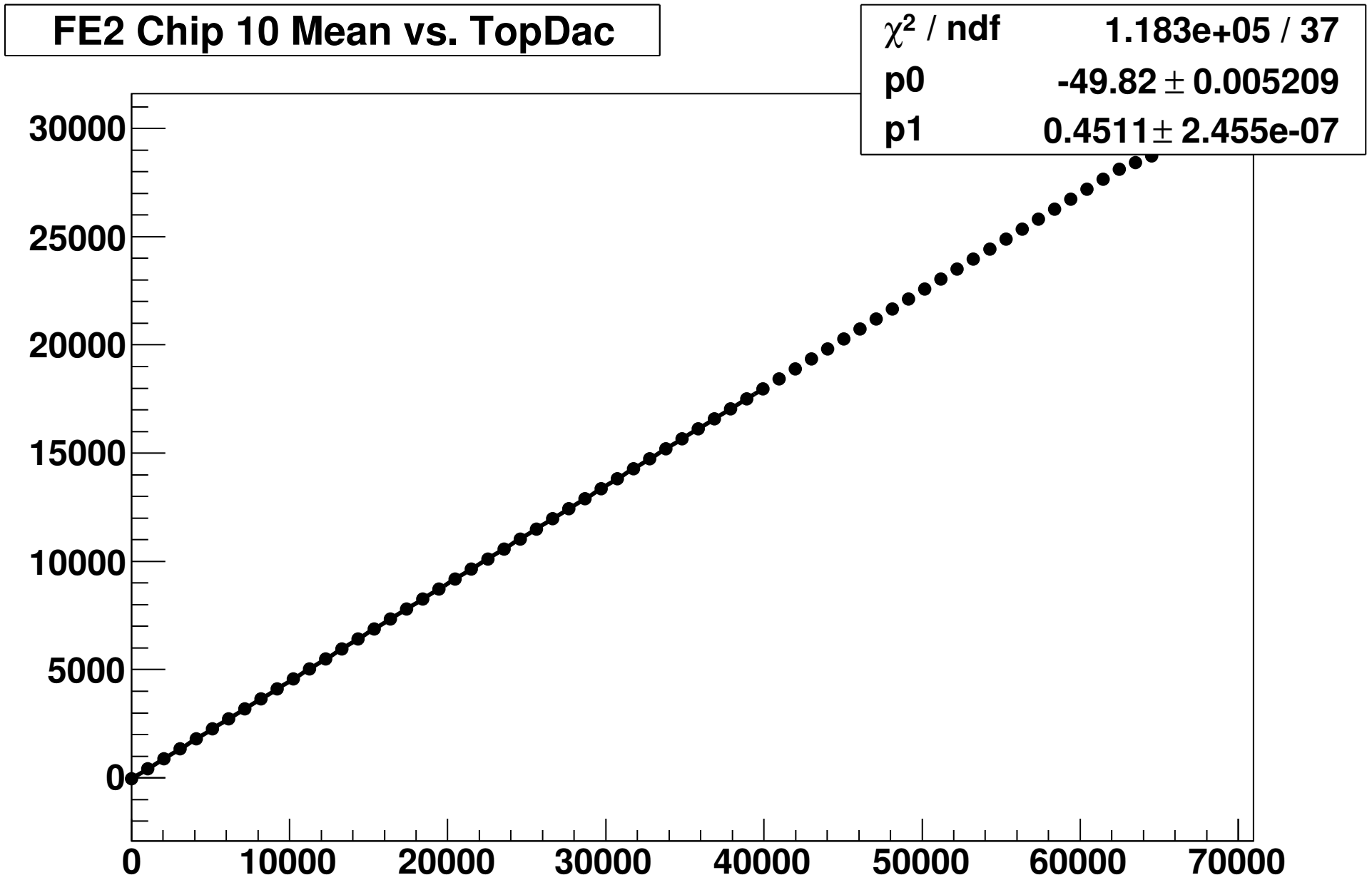
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.183e+05 / 37
p0 -49.82 ± 0.005209
p1 0.4511 ± 2.455e-07
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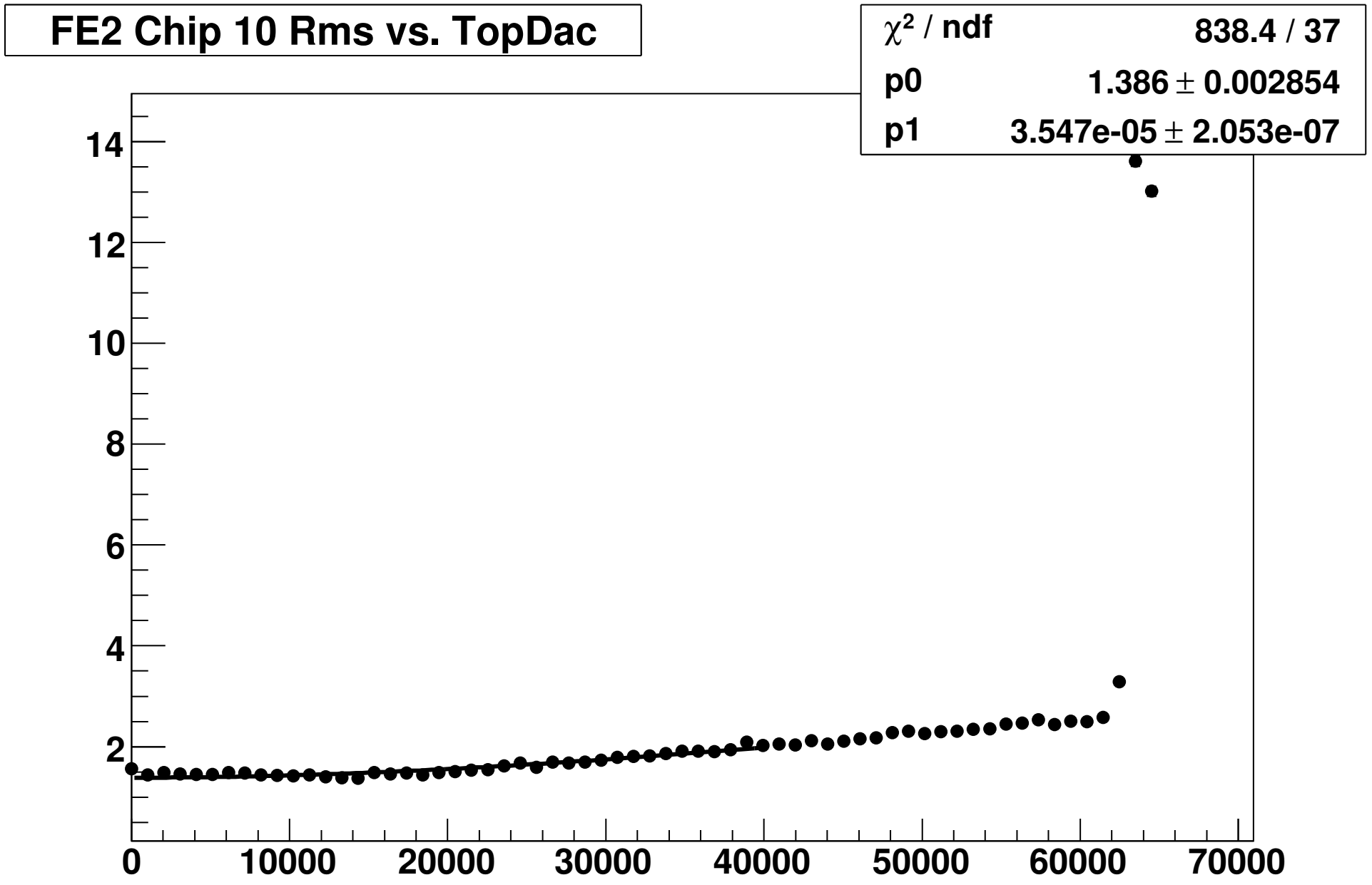
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 838.4 / 37
p0 1.386 ± 0.002854
p1 3.547e-05 ± 2.053e-07
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12
10
8
6
4
2
0
10000
20000
30000
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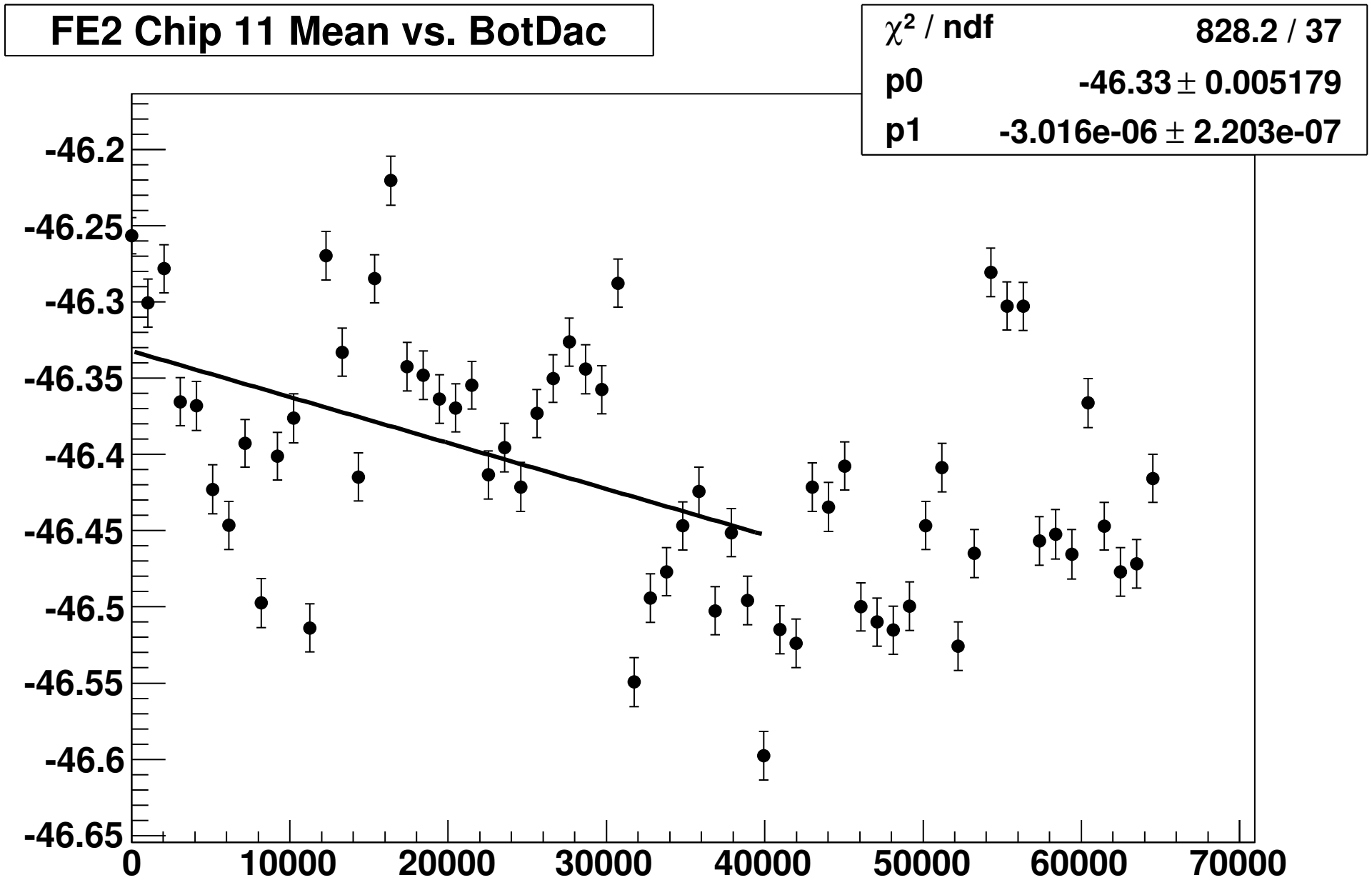
FE2 Chip 11 Mean vs. BotDac
χ² / ndf 828.2 / 37
p0 -46.33 ± 0.005179
p1 -3.016e-06 ± 2.203e-07
-46.2
-46.25
-46.3
-46.35
-46.4
-46.45
-46.5
-46.55
-46.6
-46.65
0
10000
20000
30000
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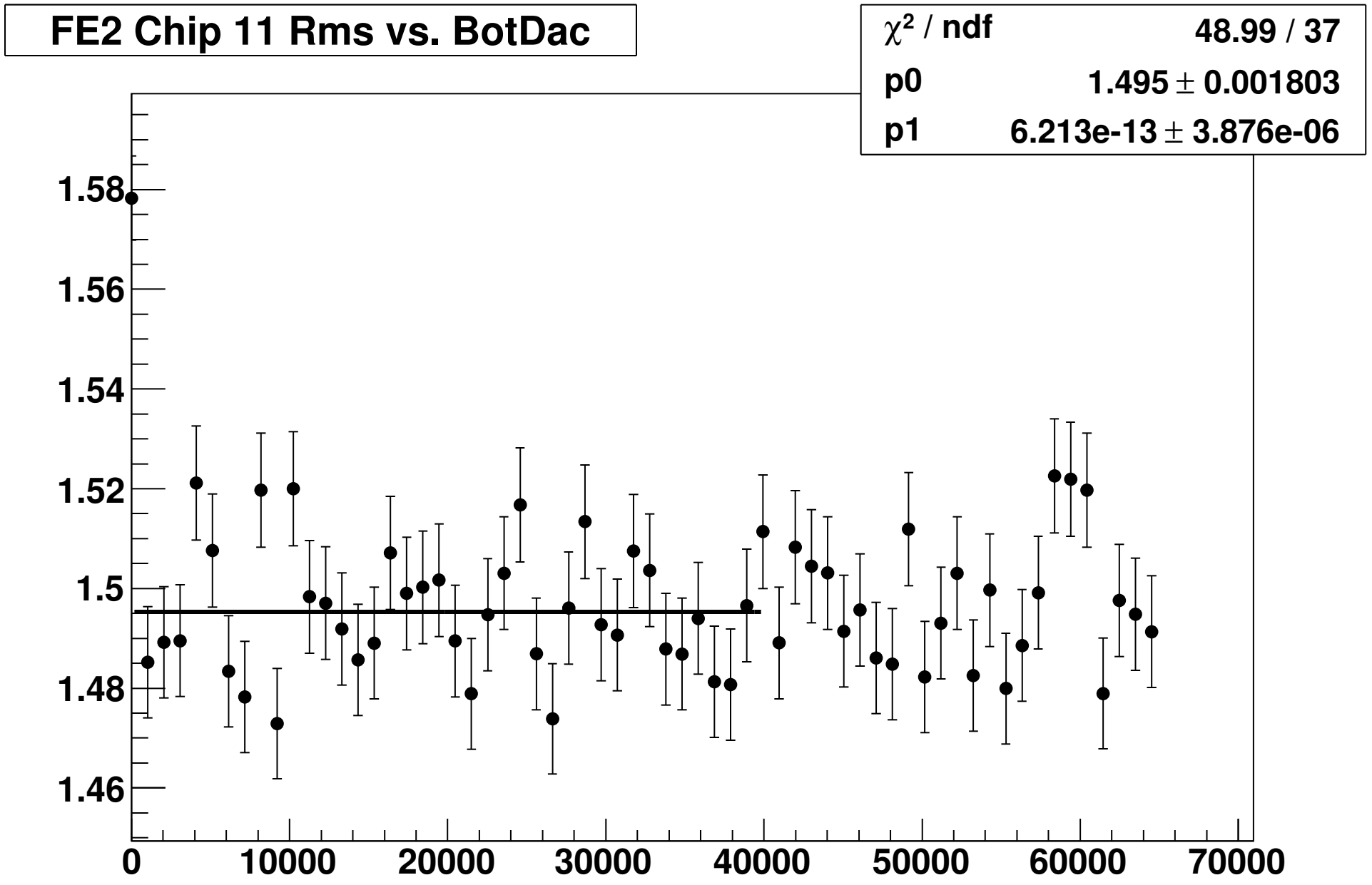
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 48.99 / 37
p0 1.495 ± 0.001803
p1 6.213e-13 ± 3.876e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
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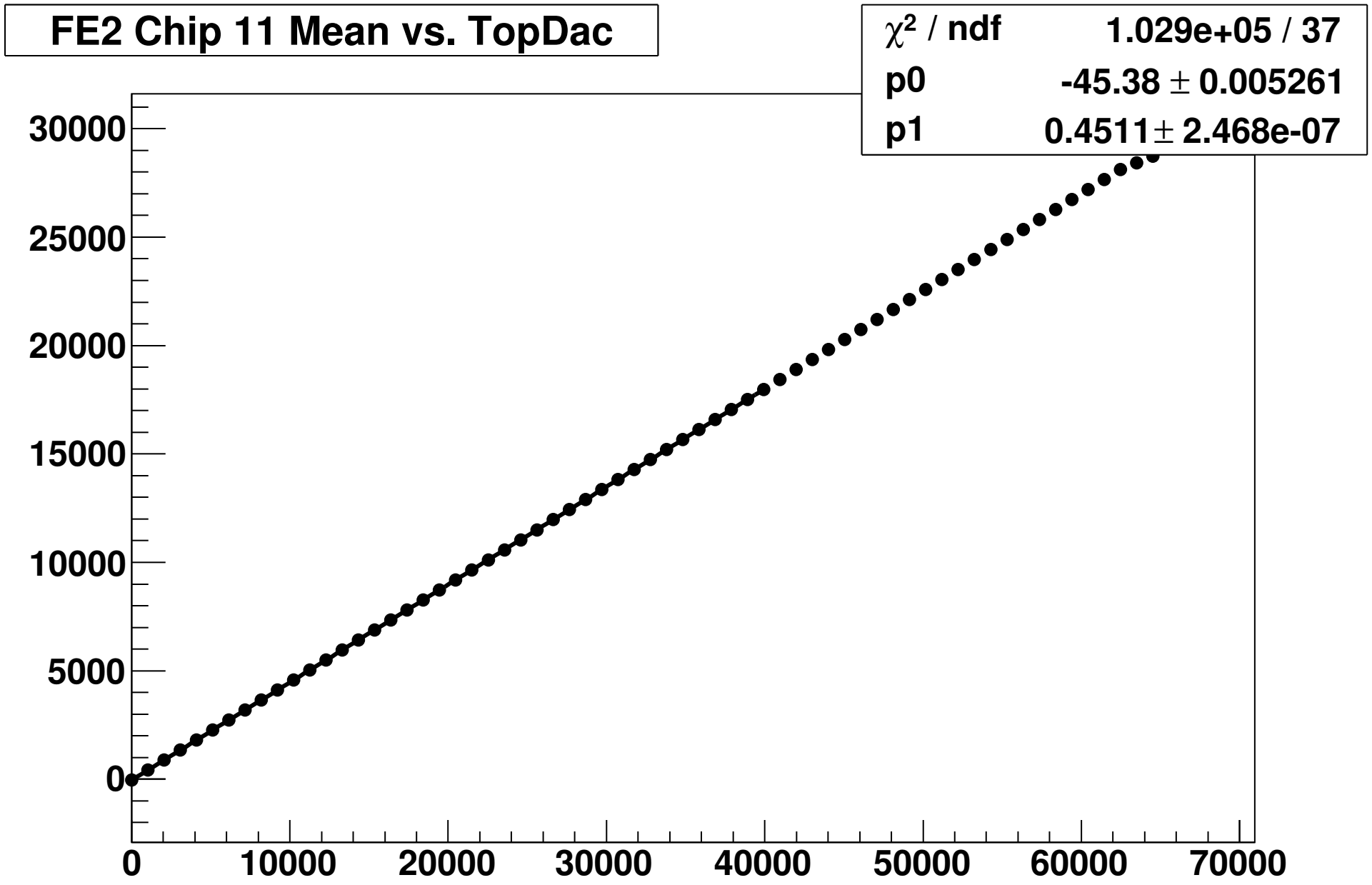
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.029e+05 / 37
p0 -45.38 ± 0.005261
p1 0.4511 ± 2.468e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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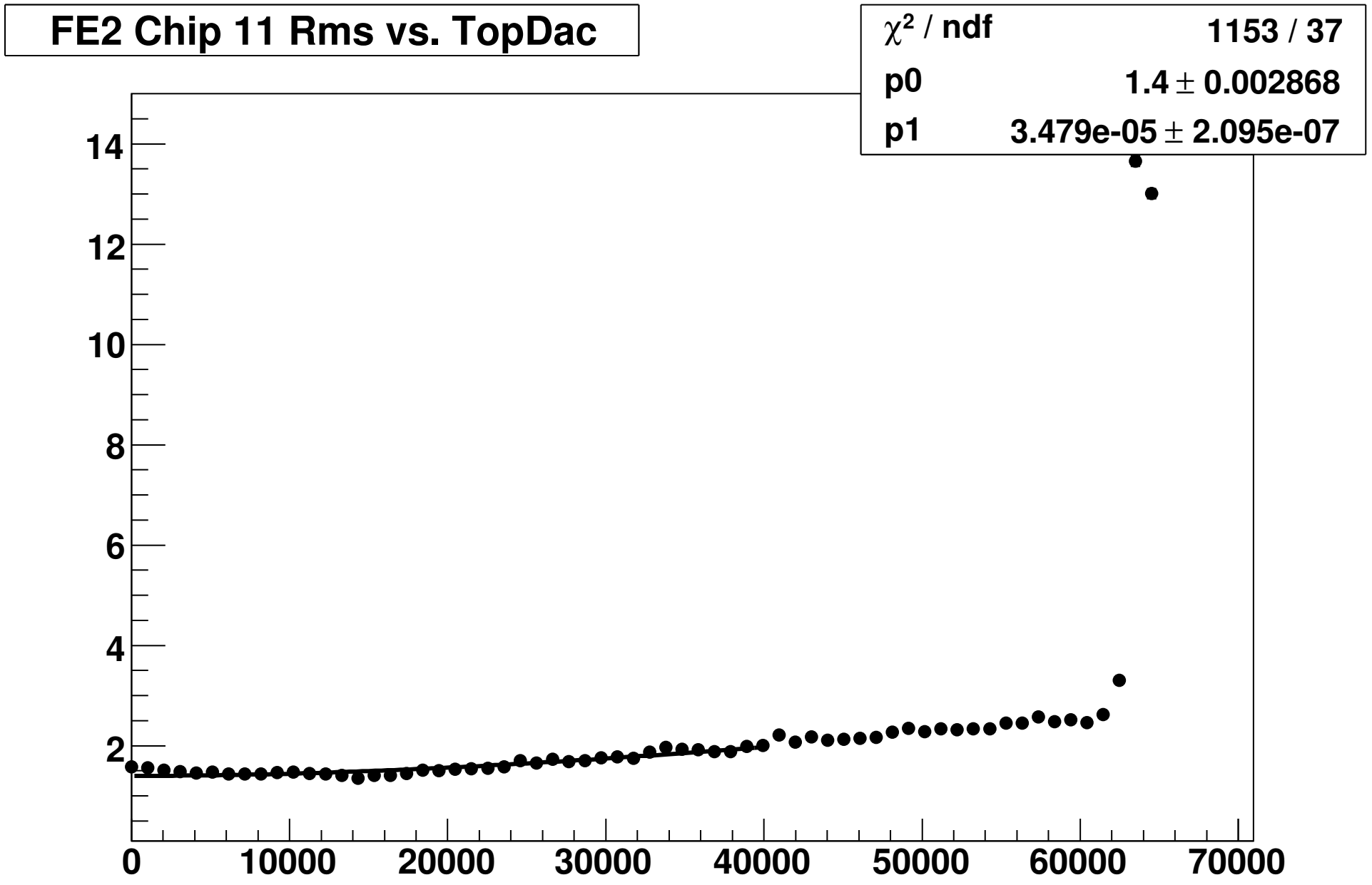
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1153 / 37
p0 1.4 ± 0.002868
p1 3.479e-05 ± 2.095e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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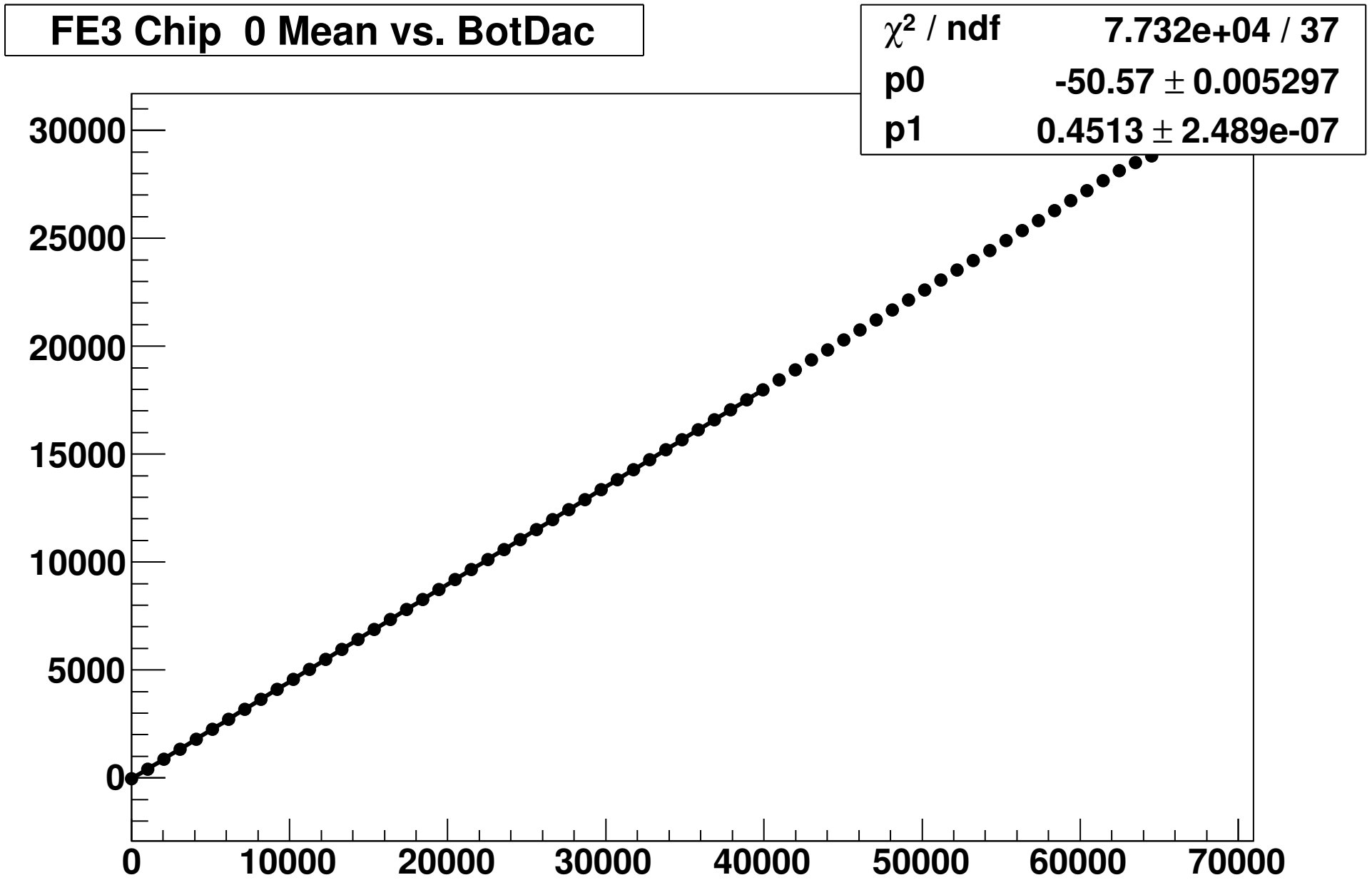
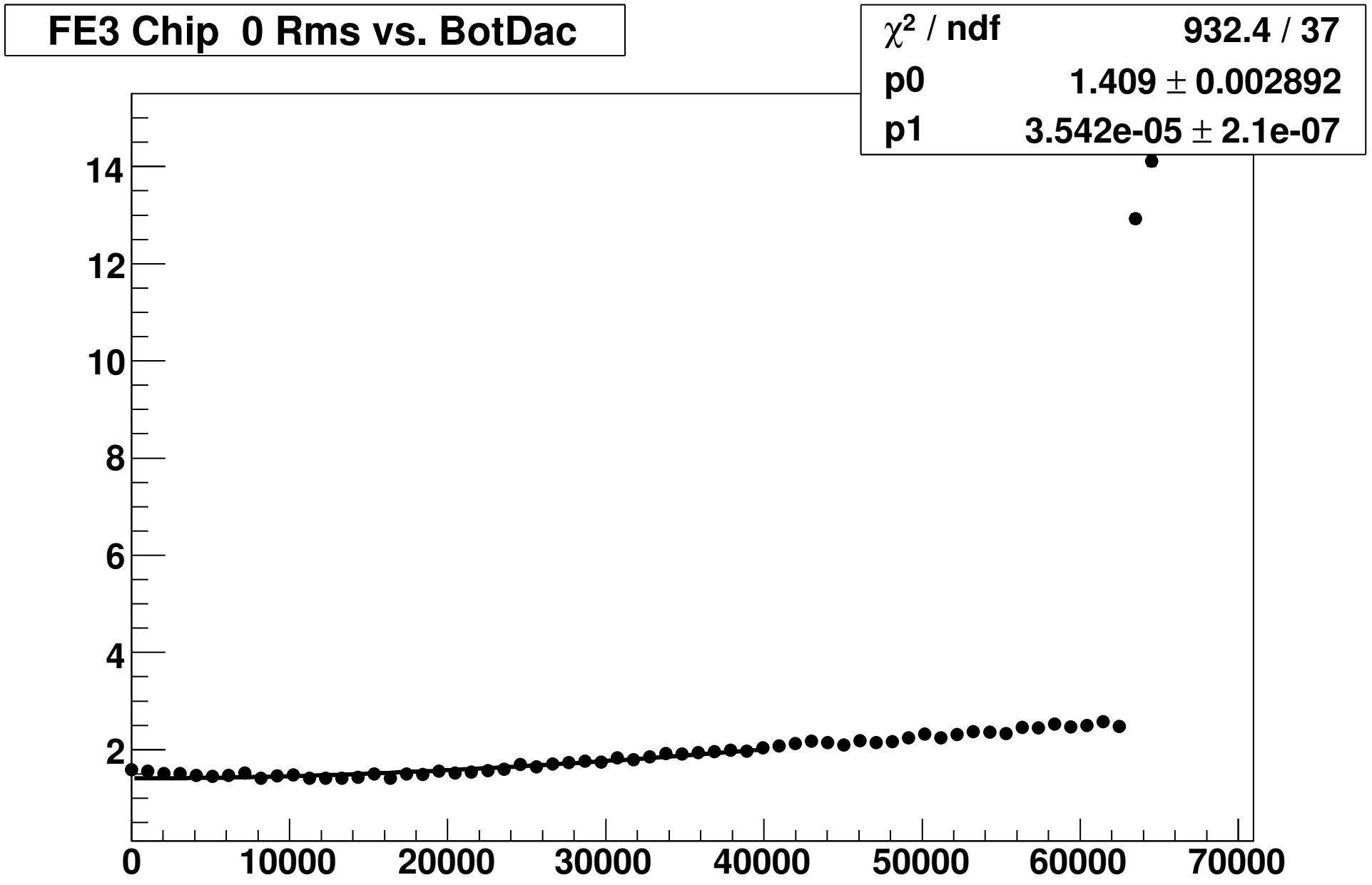

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 7.732e+04 / 37
p0 -50.57 ± 0.005297
p1 0.4513 ± 2.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 932.4 / 37
p0 1.409 ± 0.002892
p1 3.542e-05 ± 2.1e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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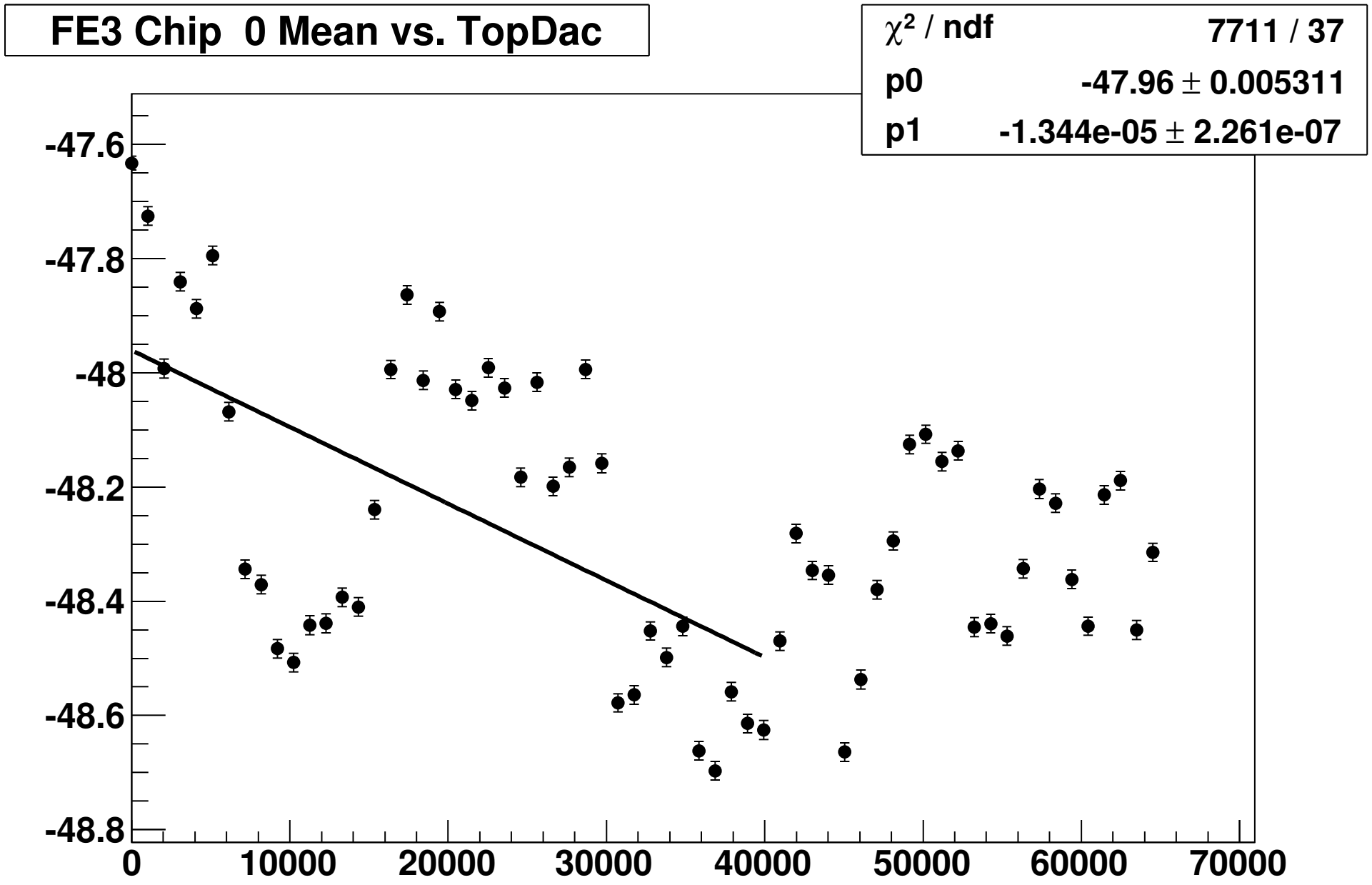
FE3 Chip 0 Mean vs. TopDac
χ² / ndf 7711 / 37
p0 -47.96 ± 0.005311
p1 -1.344e-05 ± 2.261e-07
-47.6
-47.8
-48
-48.2
-48.4
-48.6
-48.8
0
10000
20000
30000
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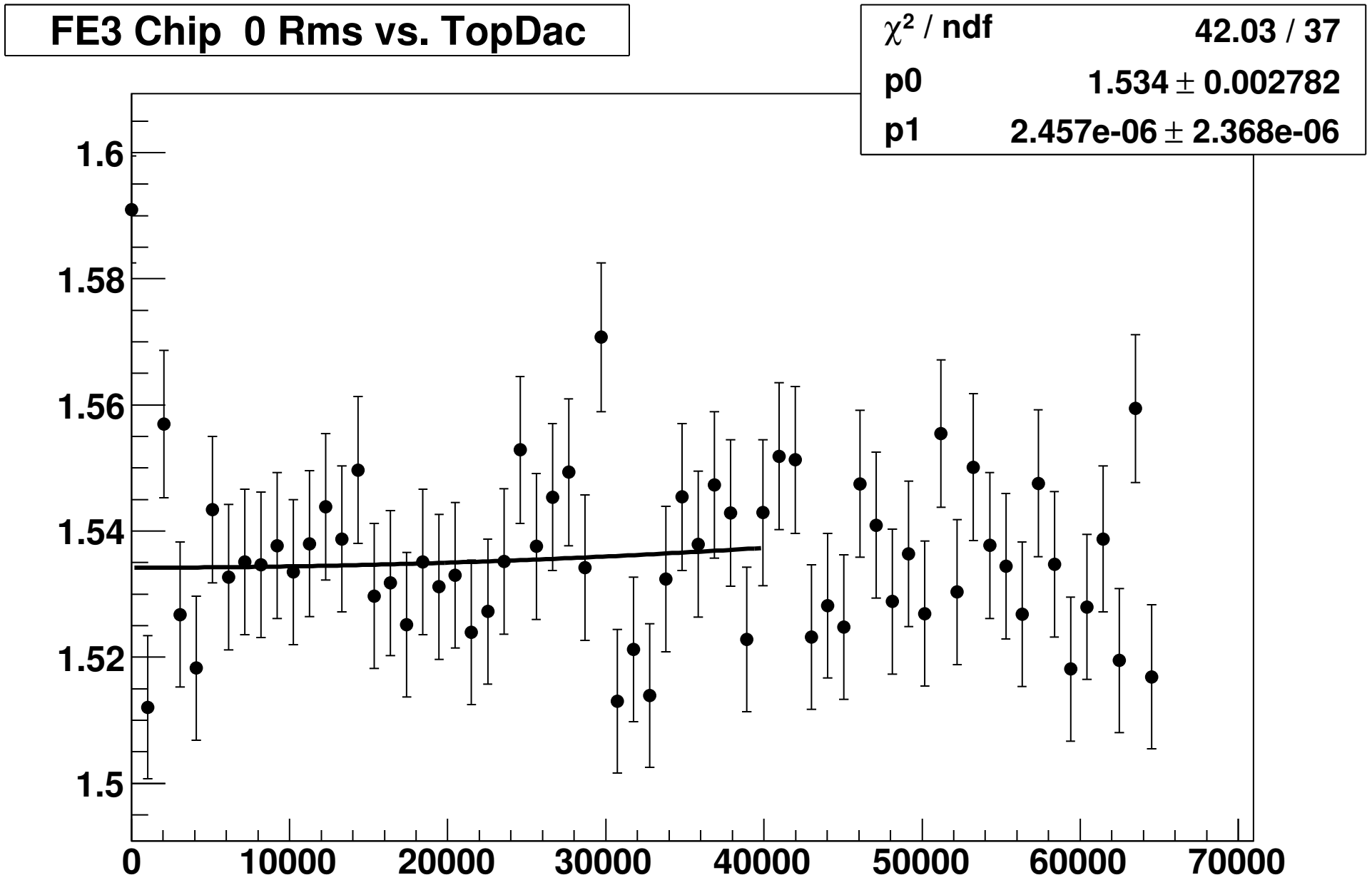
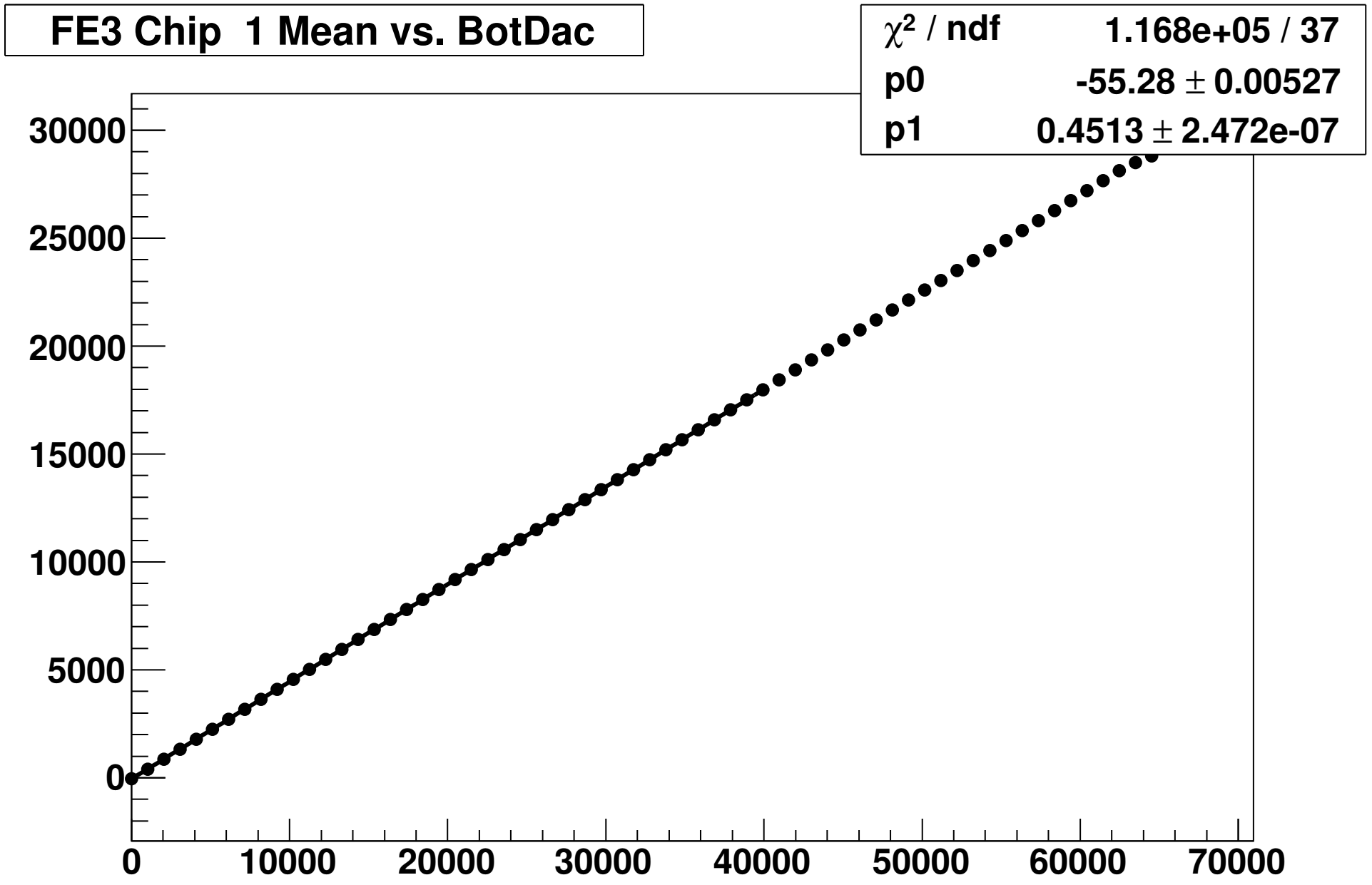
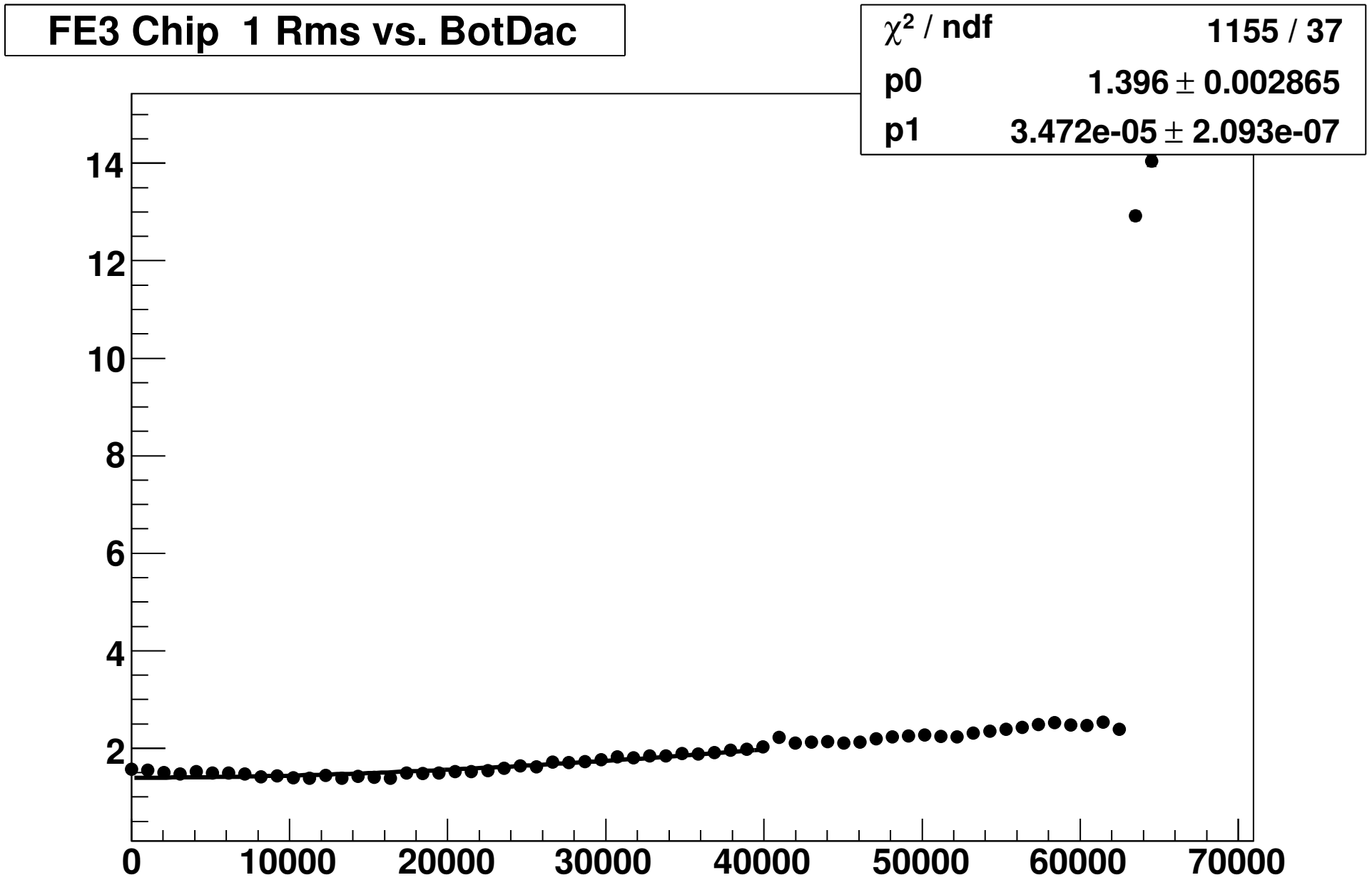
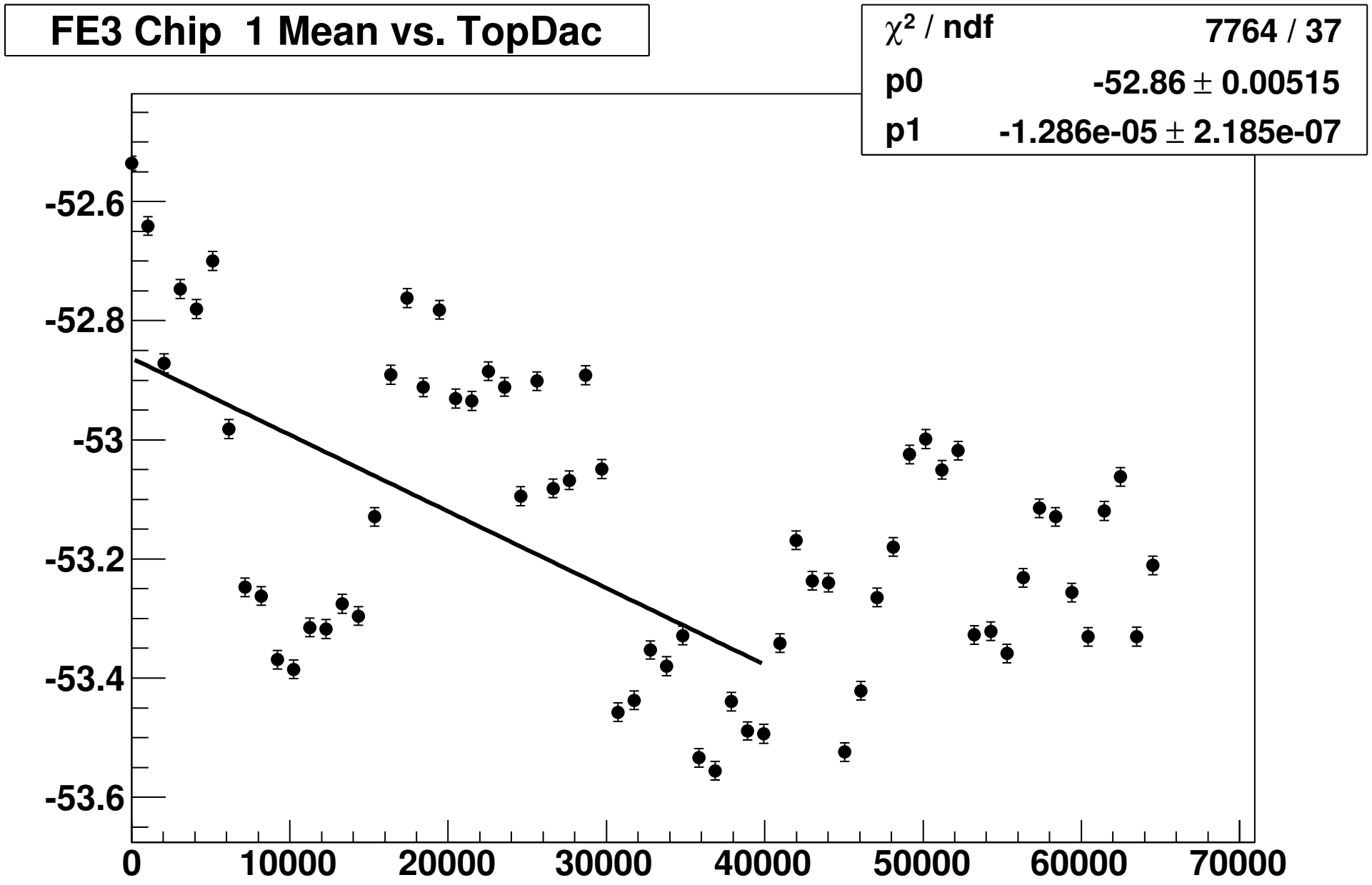
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 42.03 / 37
p0 1.534 ± 0.002782
p1 2.457e-06 ± 2.368e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.168e+05 / 37
p0 -55.28 ± 0.00527
p1 0.4513 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 1155 / 37
p0 1.396 ± 0.002865
p1 3.472e-05 ± 2.093e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 7764 / 37
p0 -52.86 ± 0.00515
p1 -1.286e-05 ± 2.185e-07
-52.6
-52.8
-53
-53.2
-53.4
-53.6
0
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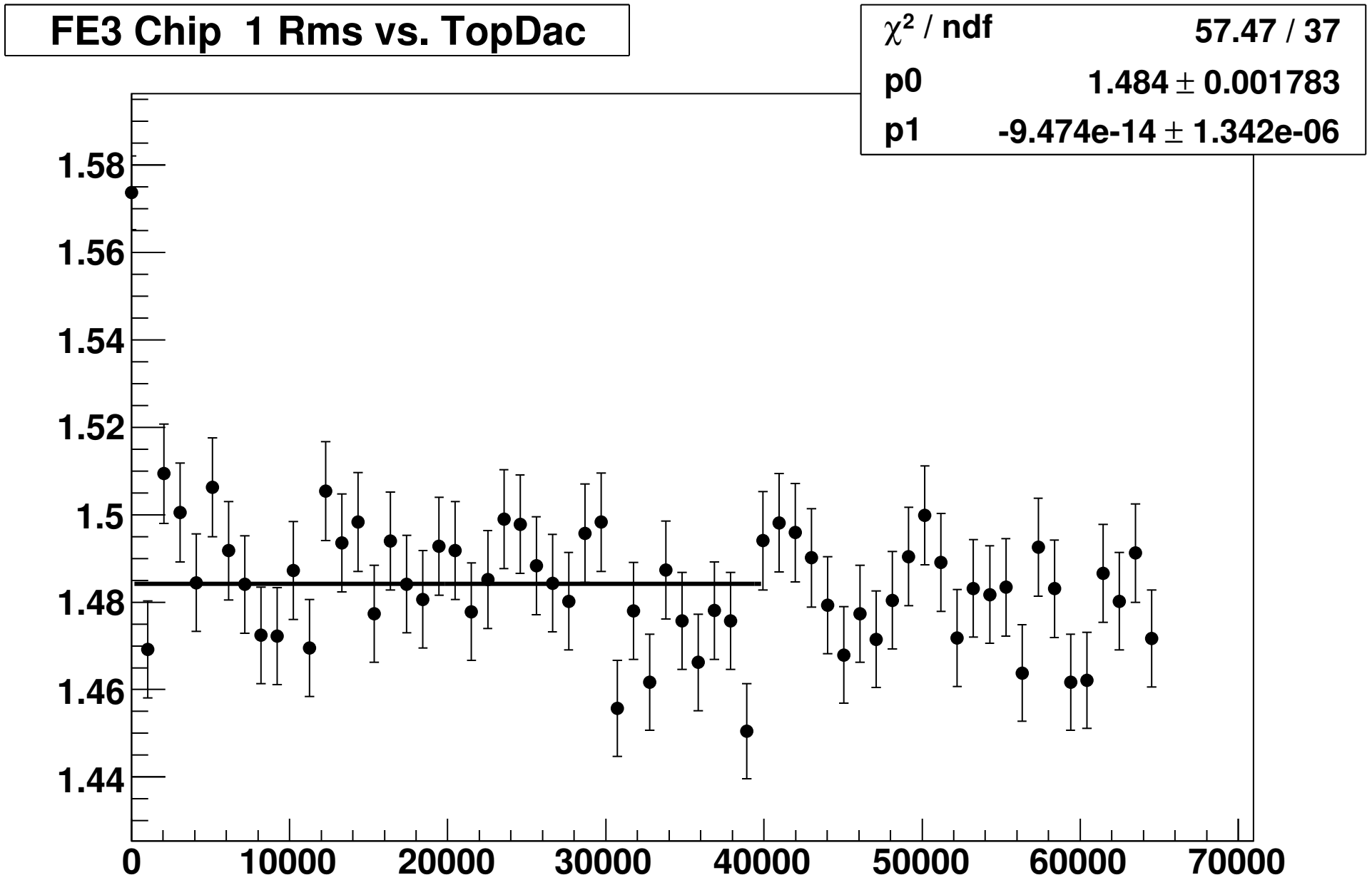
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 57.47 / 37
p0 1.484 ± 0.001783
p1 -9.474e-14 ± 1.342e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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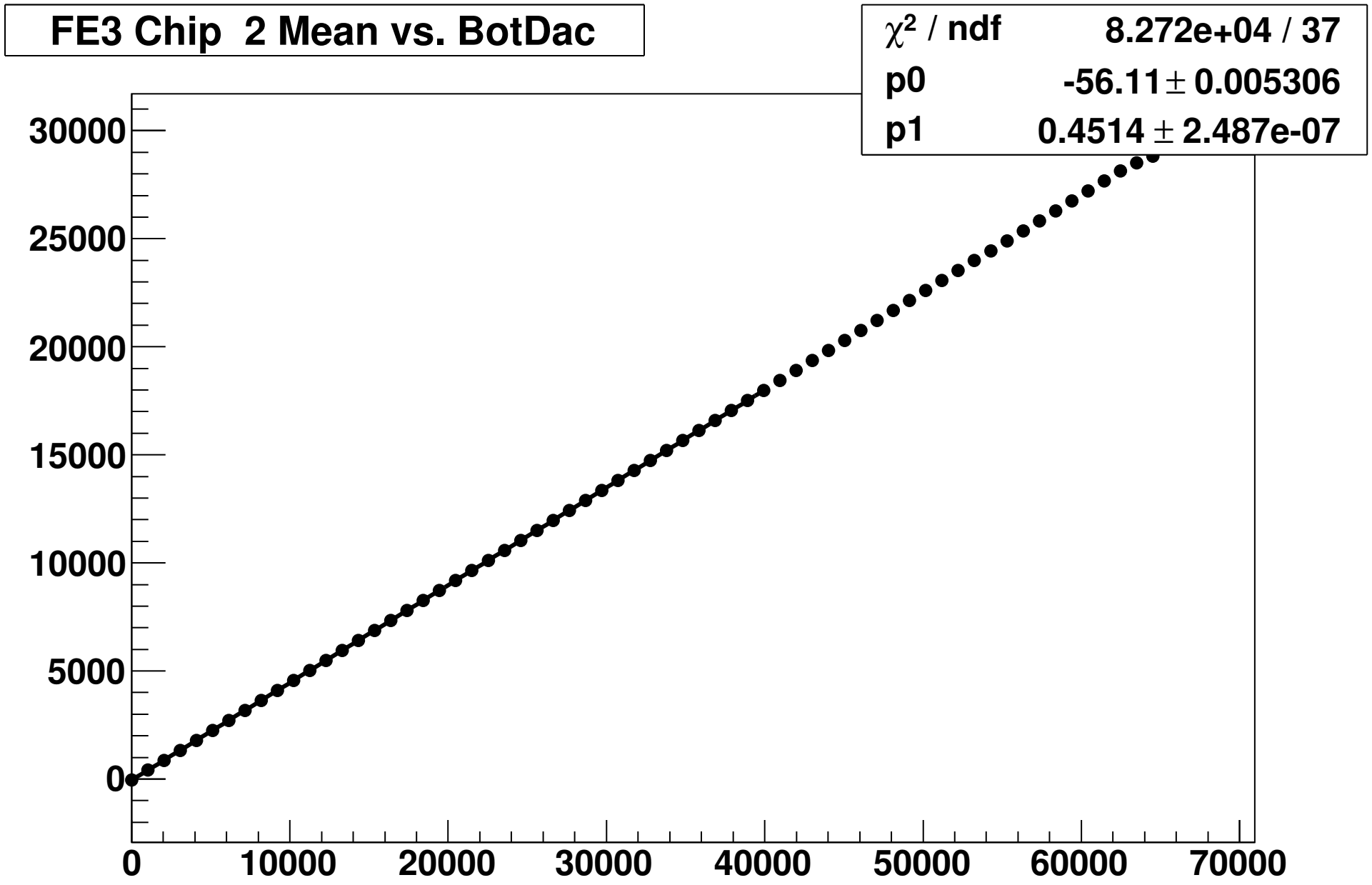
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 8.272e+04 / 37
p0 -56.11 ± 0.005306
p1 0.4514 ± 2.487e-07
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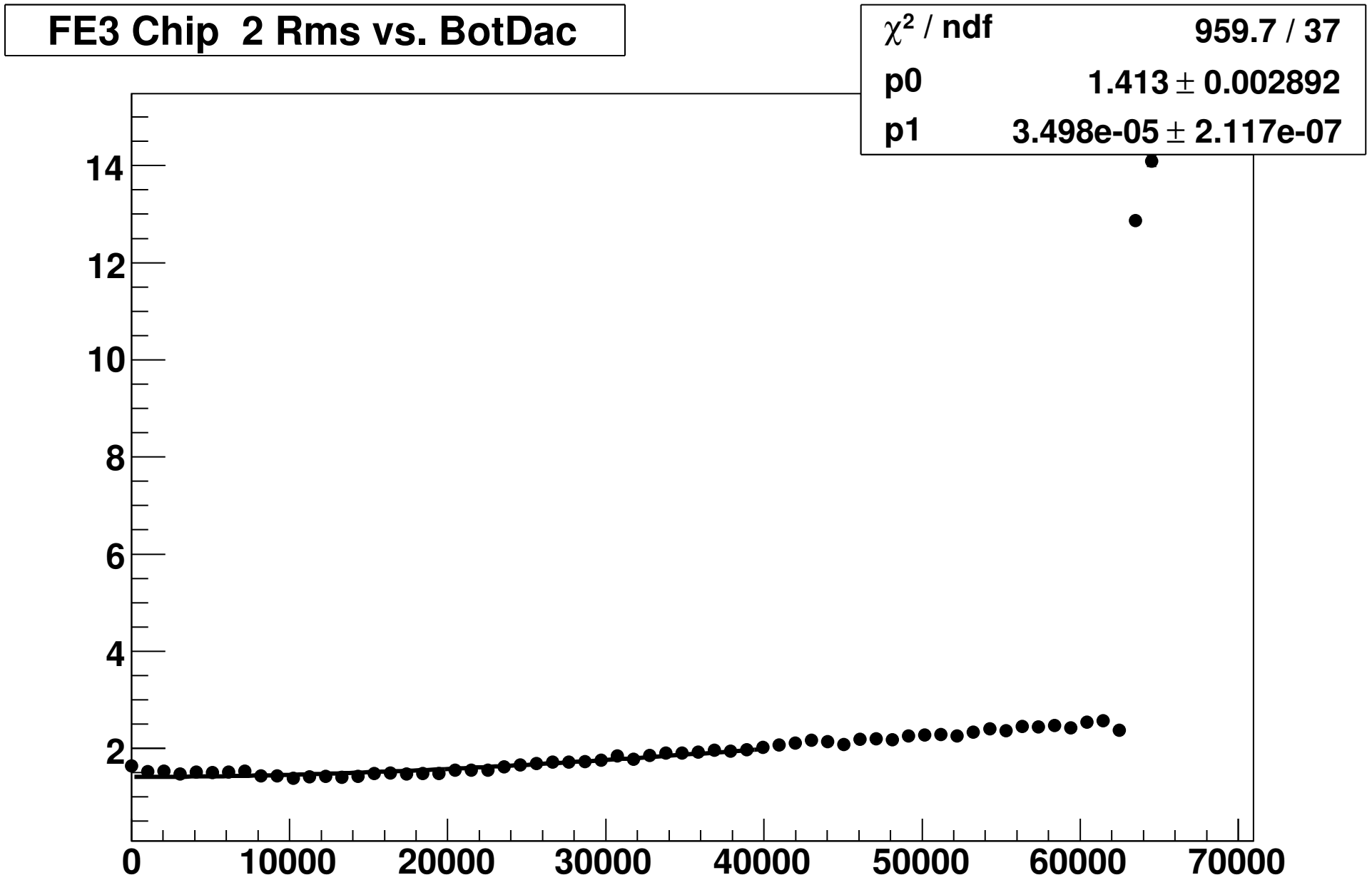
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 959.7 / 37
p0 1.413 ± 0.002892
p1 3.498e-05 ± 2.117e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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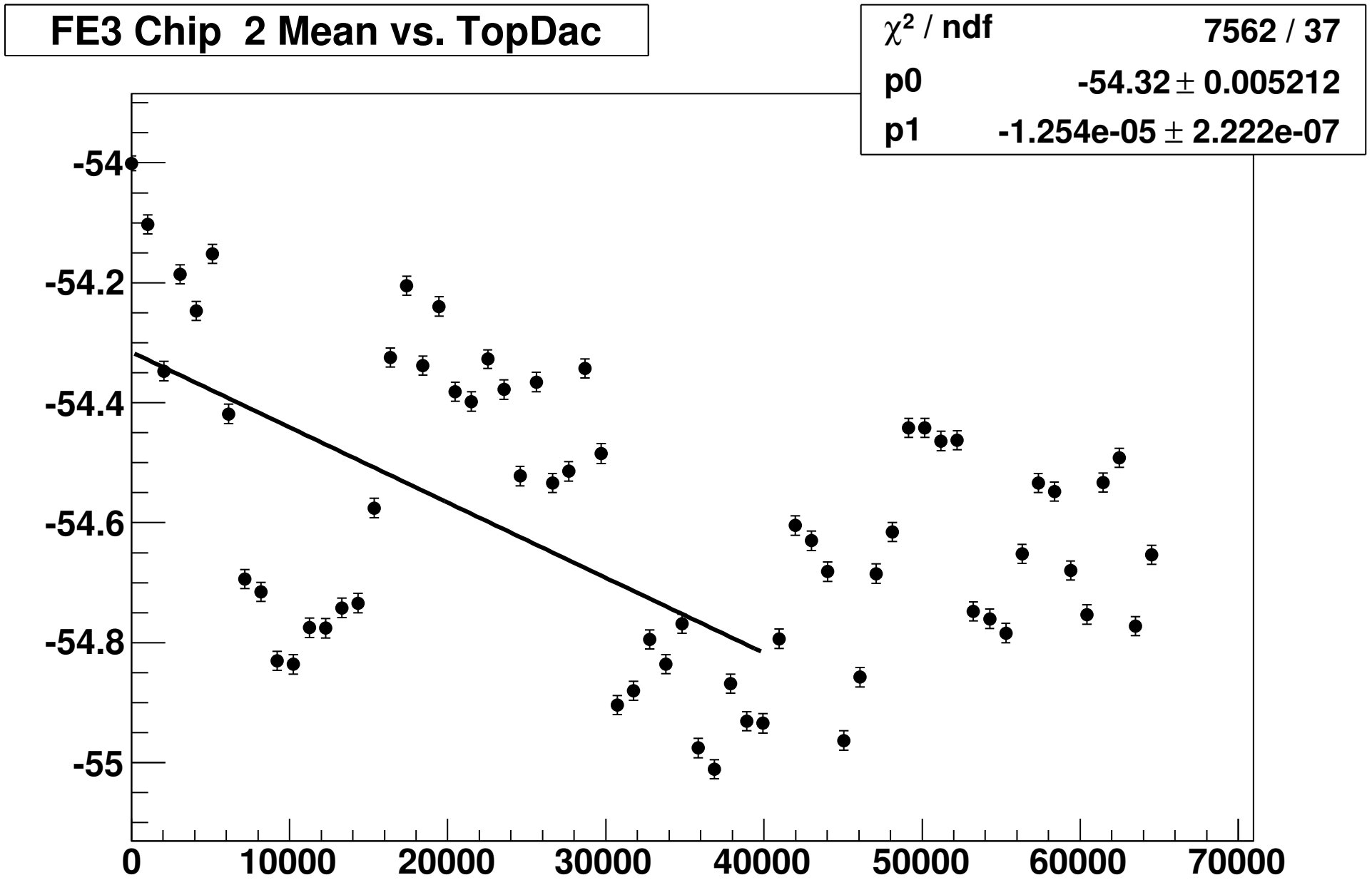
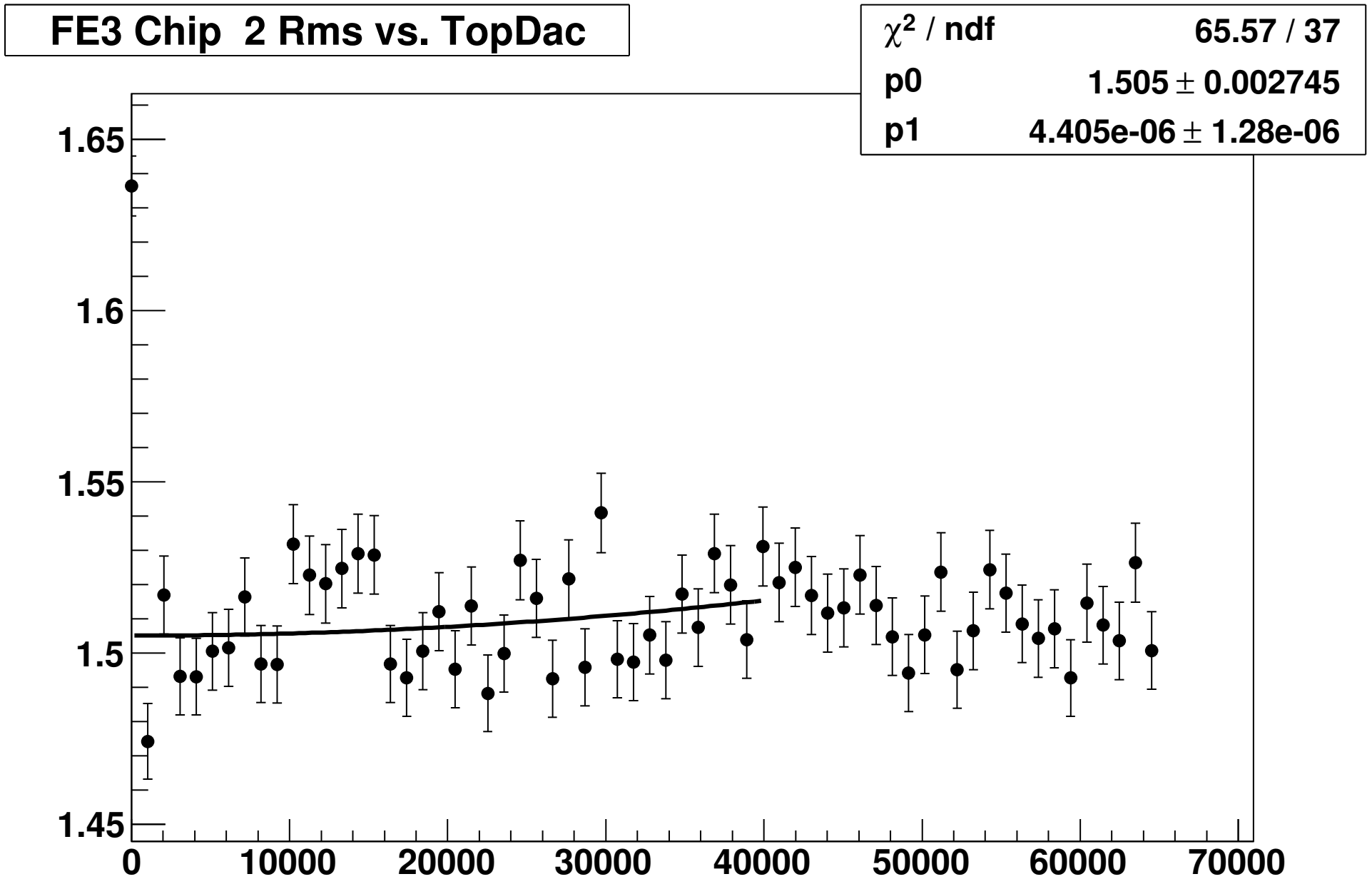

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 7562 / 37
p0 -54.32 ± 0.005212
p1 -1.254e-05 ± 2.222e-07
-54
-54.2
-54.4
-54.6
-54.8
-55
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 65.57 / 37
p0 1.505 ± 0.002745
p1 4.405e-06 ± 1.28e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
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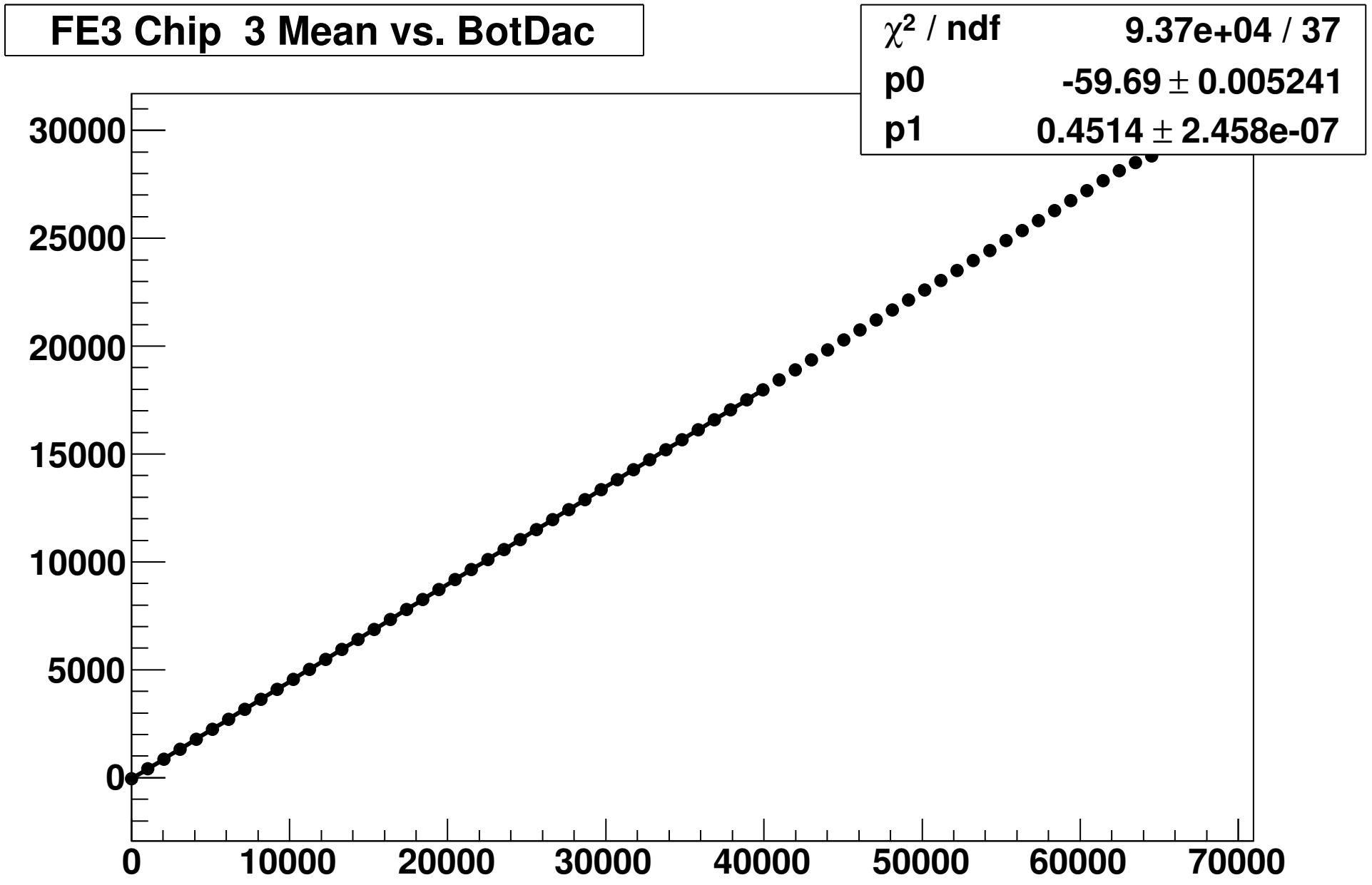
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 9.37e+04 / 37
p0 -59.69 ± 0.005241
p1 0.4514 ± 2.458e-07
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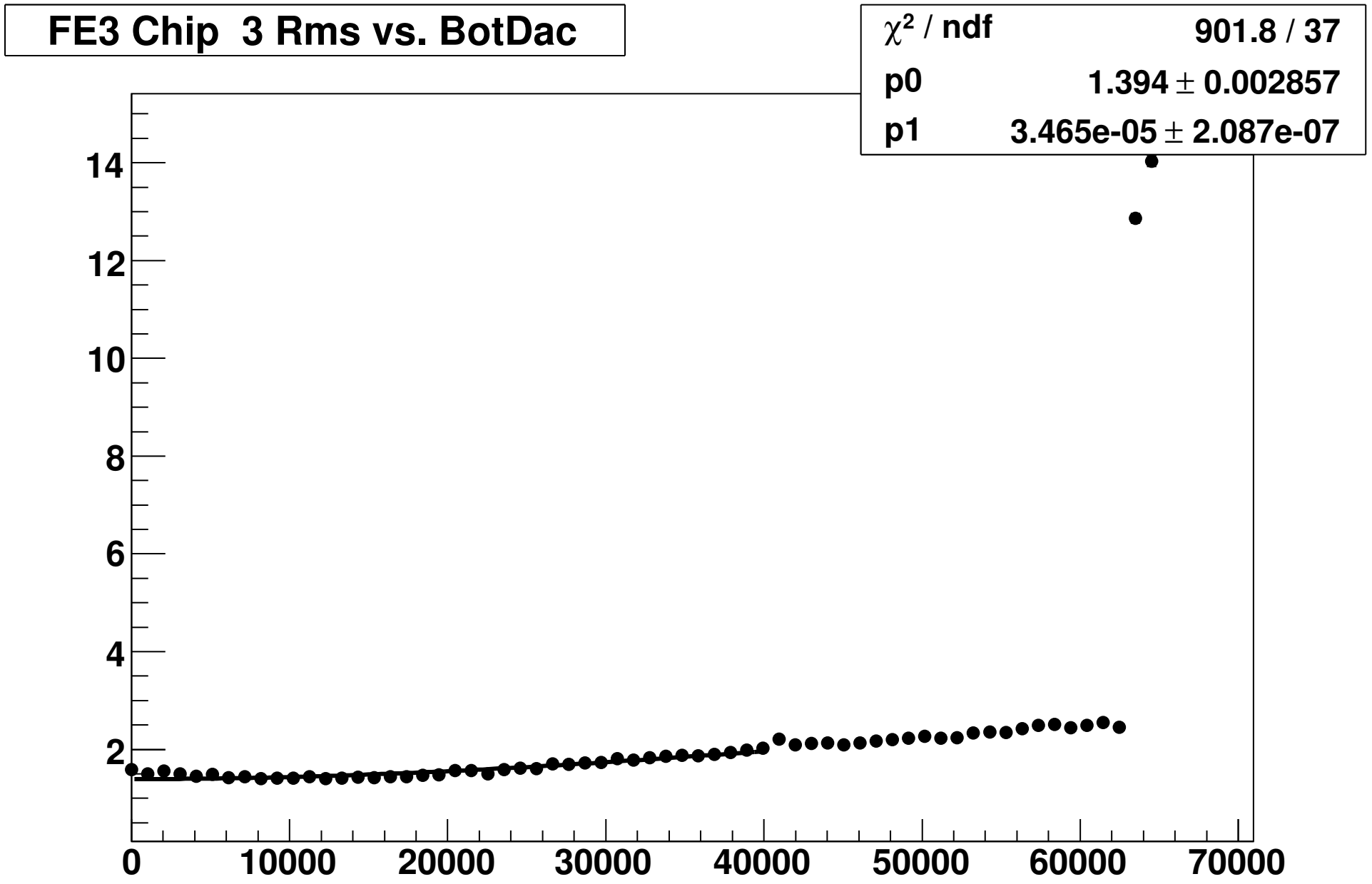
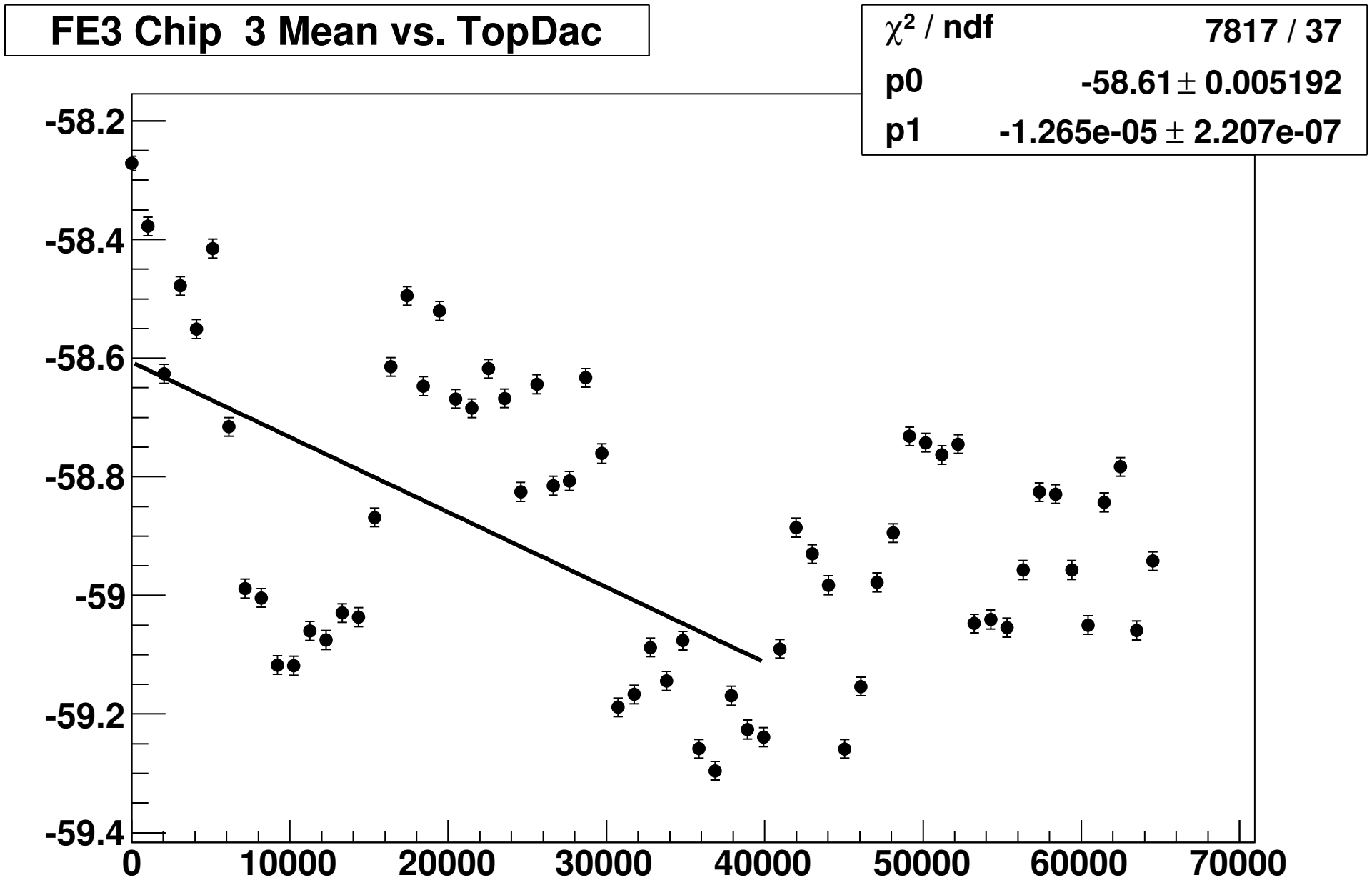
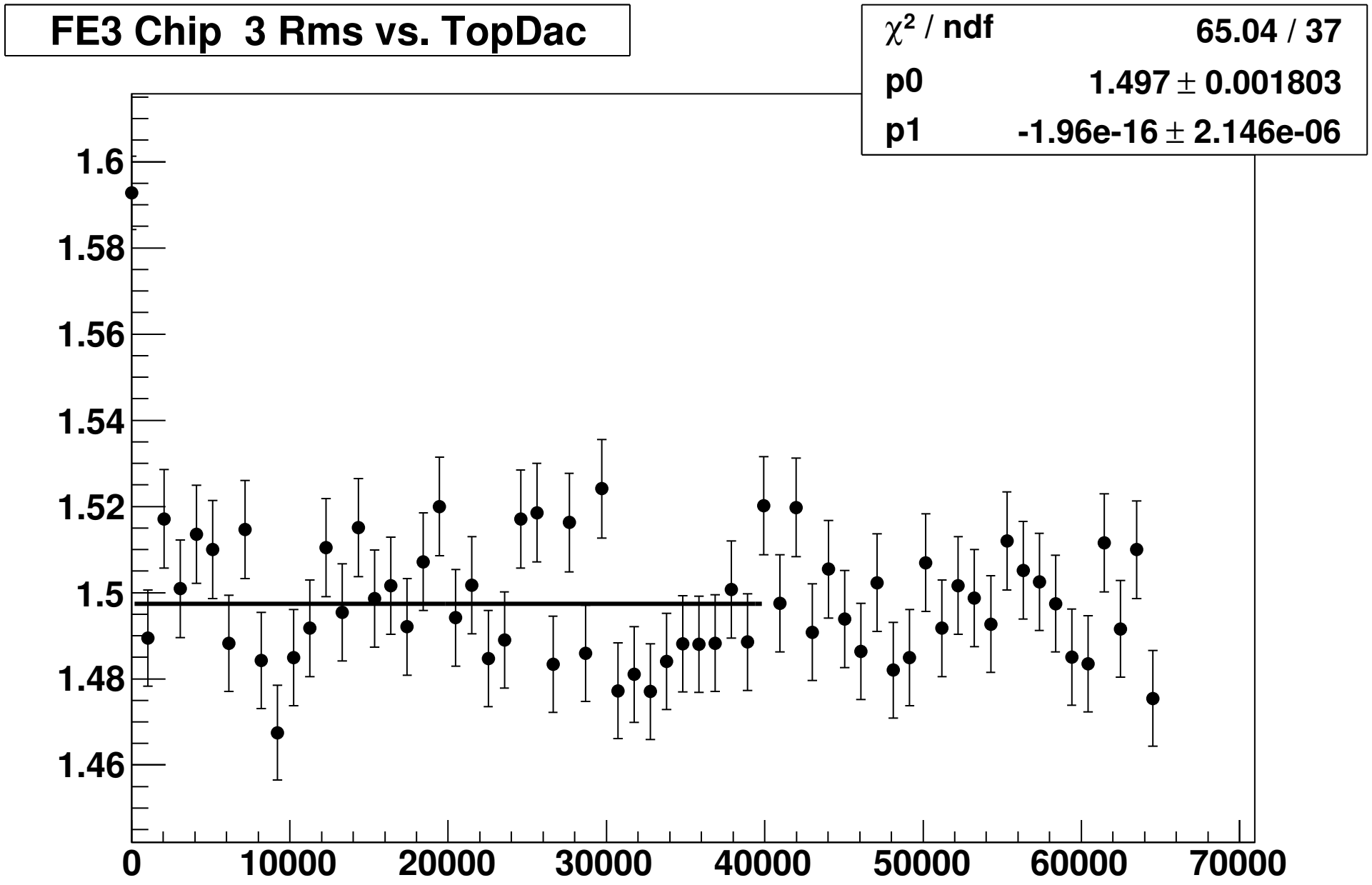
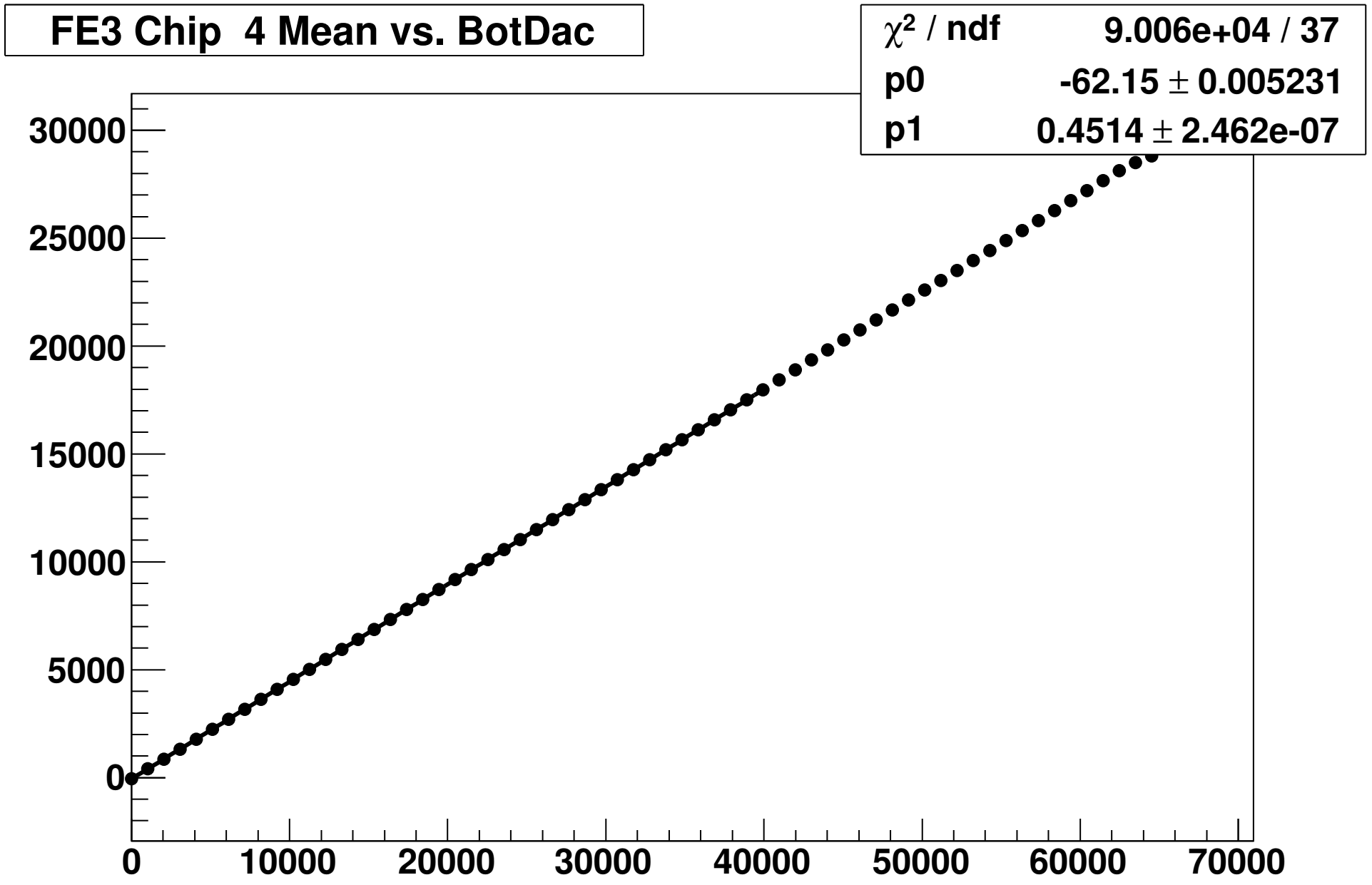
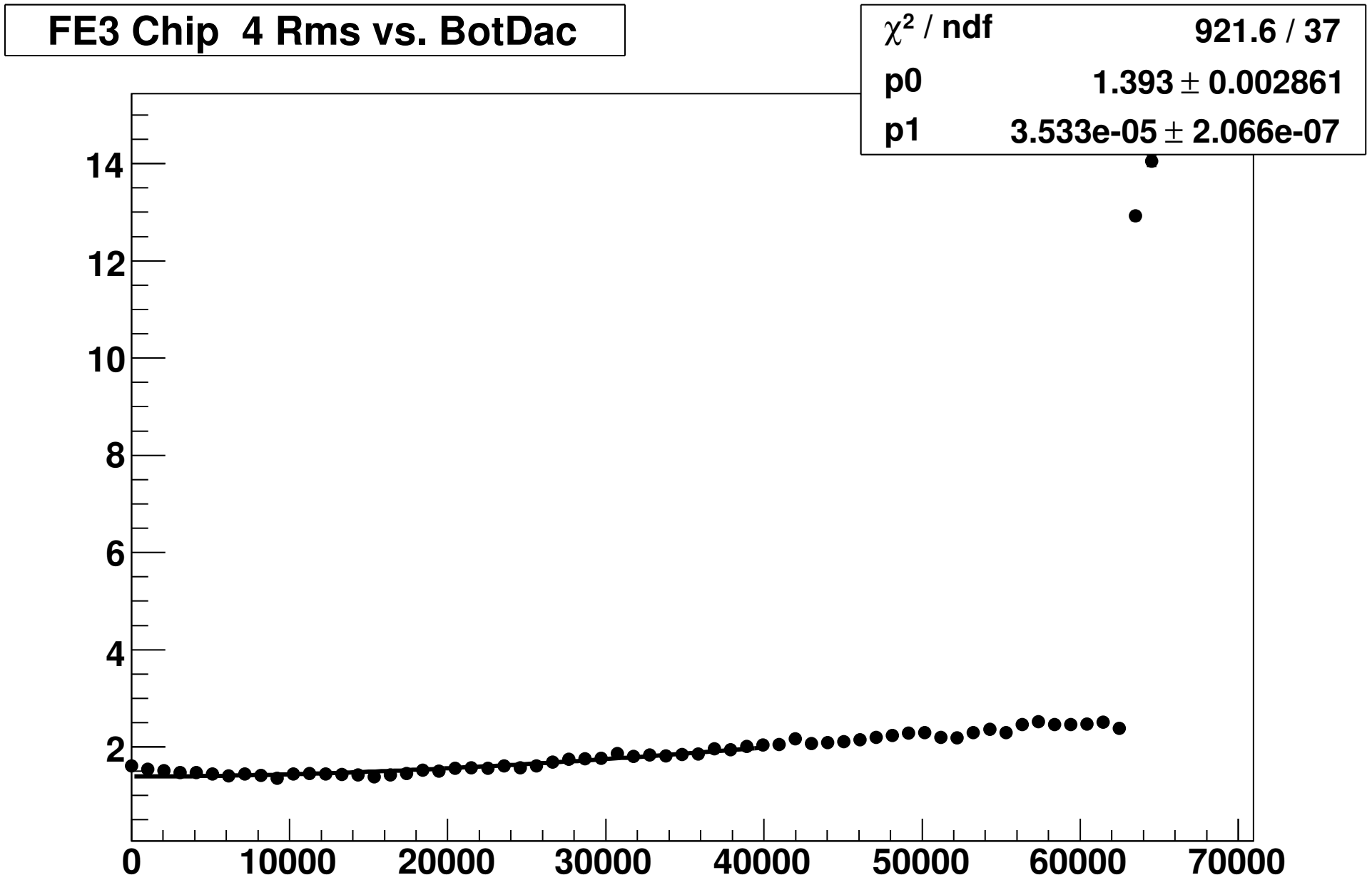
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 901.8 / 37
p0 1.394 ± 0.002857
p1 3.465e-05 ± 2.087e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 7817 / 37
p0 -58.61 ± 0.005192
p1 -1.265e-05 ± 2.207e-07
-58.2
-58.4
-58.6
-58.8
-59
-59.2
-59.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 65.04 / 37
p0 1.497 ± 0.001803
p1 -1.96e-16 ± 2.146e-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


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 9.006e+04 / 37
p0 -62.15 ± 0.005231
p1 0.4514 ± 2.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 921.6 / 37
p0 1.393 ± 0.002861
p1 3.533e-05 ± 2.066e-07
14
12
10
8
6
4
2
0
10000
20000
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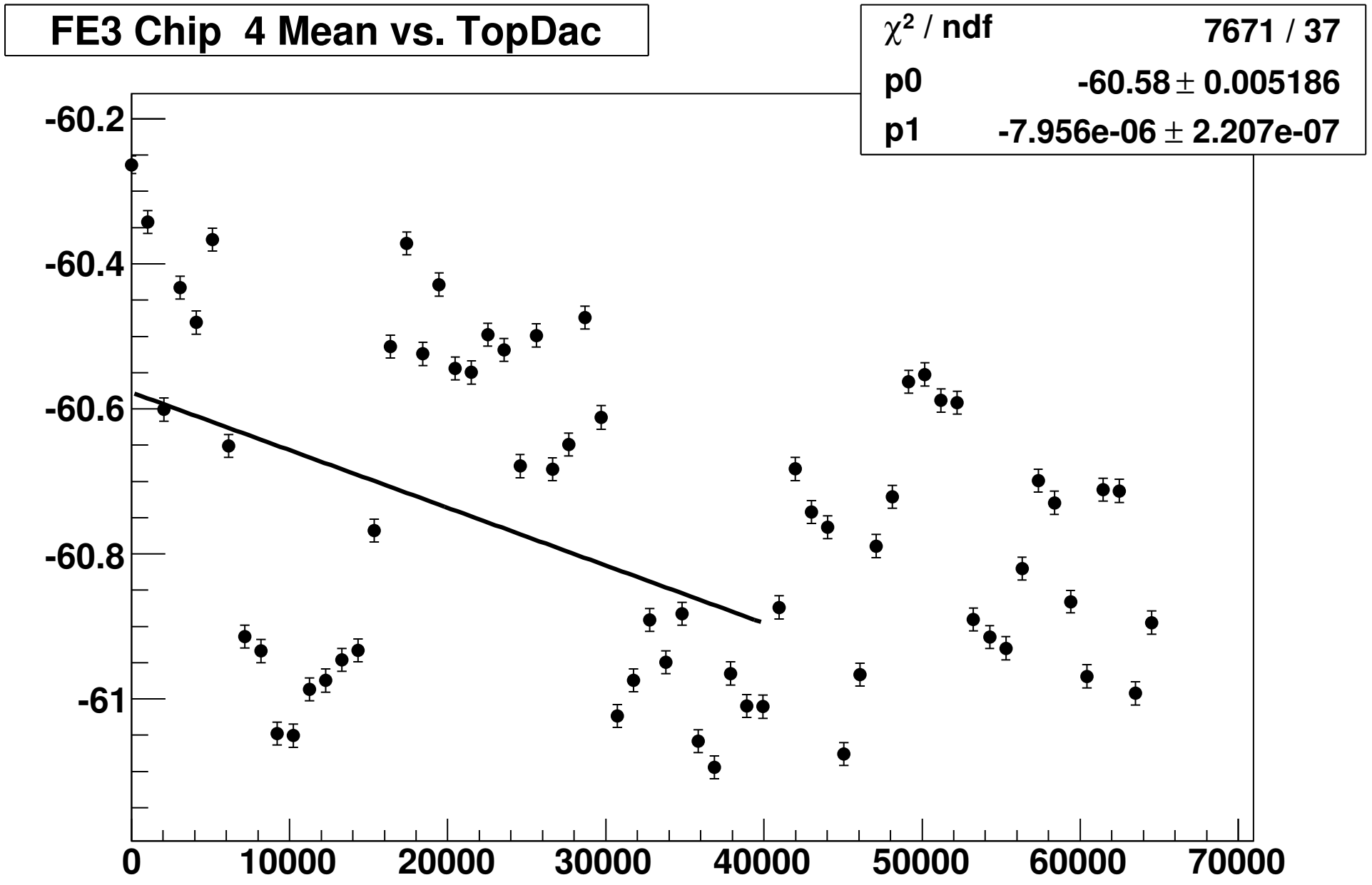
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 7671 / 37
p0 -60.58 ± 0.005186
p1 -7.956e-06 ± 2.207e-07
-60.2
-60.4
-60.6
-60.8
-61
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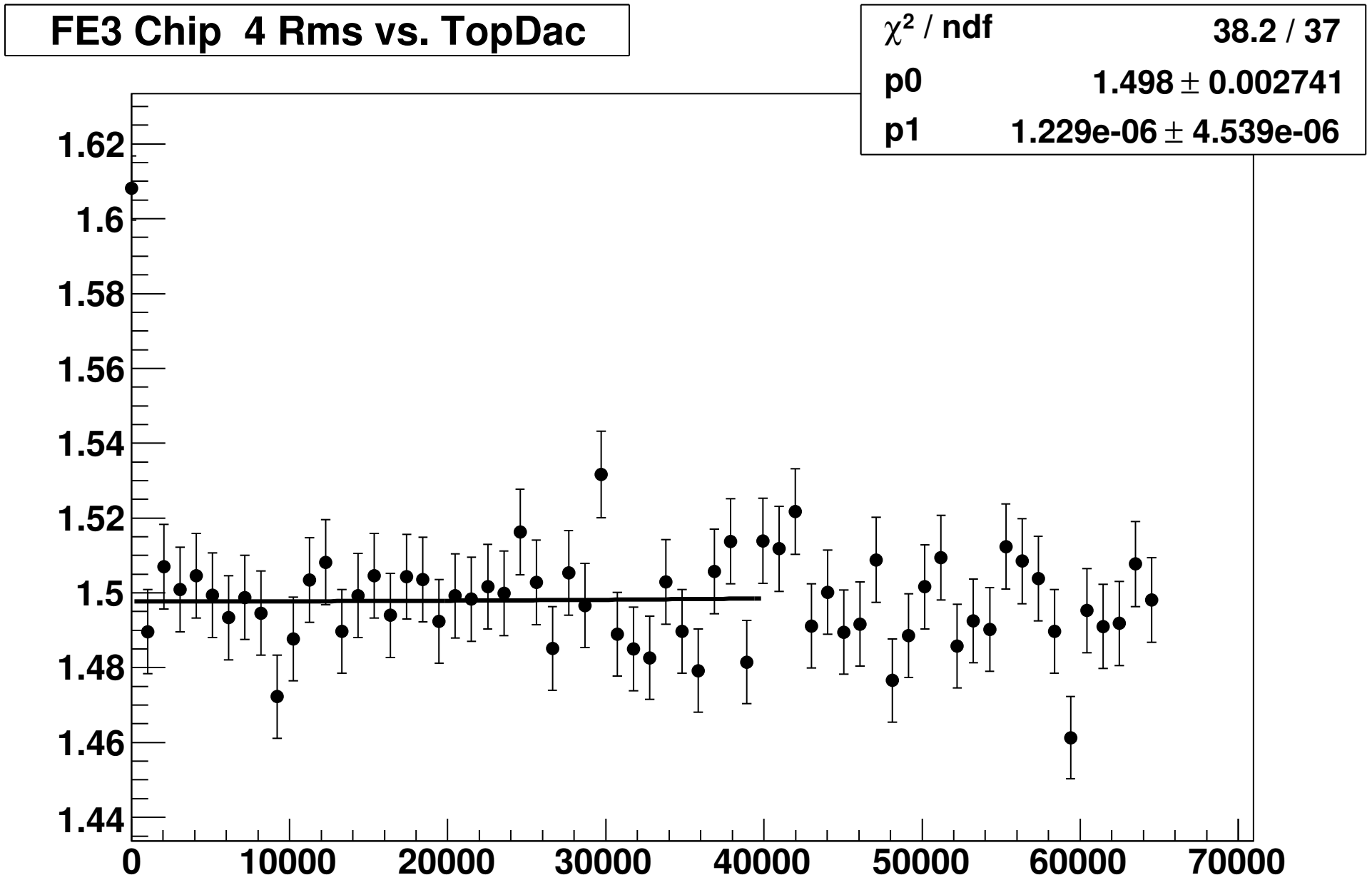
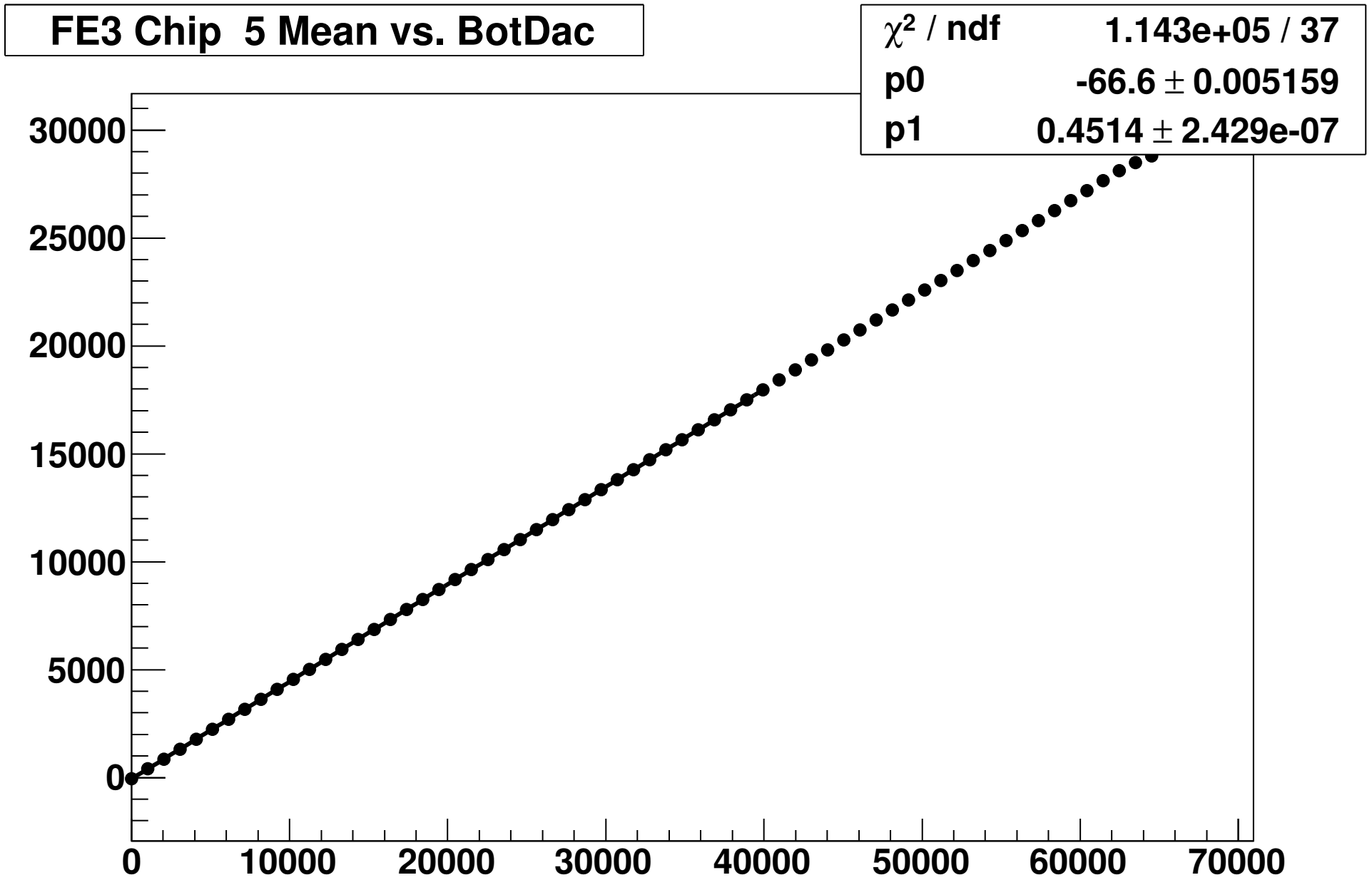
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 38.2 / 37
p0 1.498 ± 0.002741
p1 1.229e-06 ± 4.539e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.143e+05 / 37
p0 -66.6 ± 0.005159
p1 0.4514 ± 2.429e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
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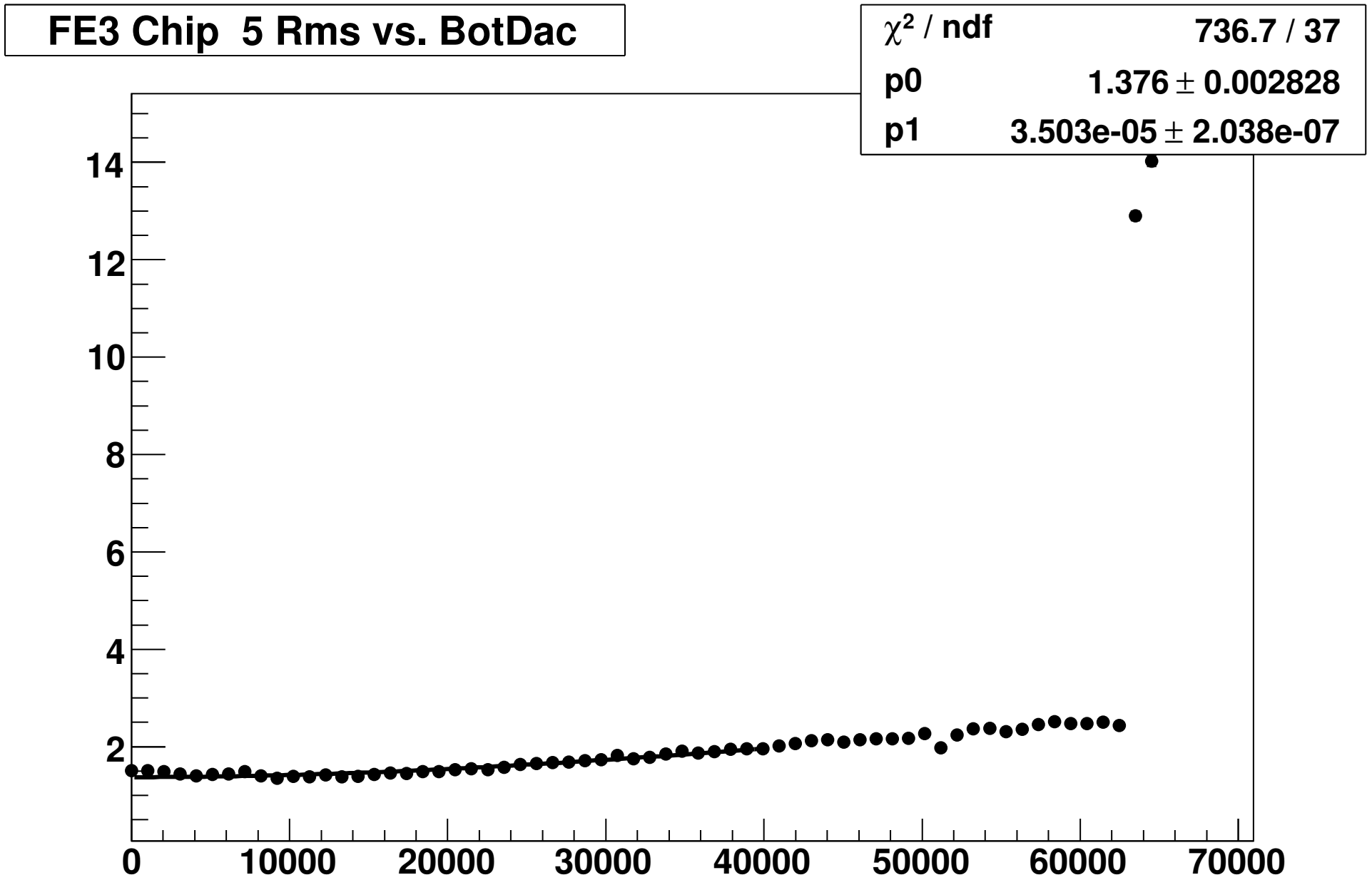
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 736.7 / 37
p0 1.376 ± 0.002828
p1 3.503e-05 ± 2.038e-07
14
12
10
8
6
4
2
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60000
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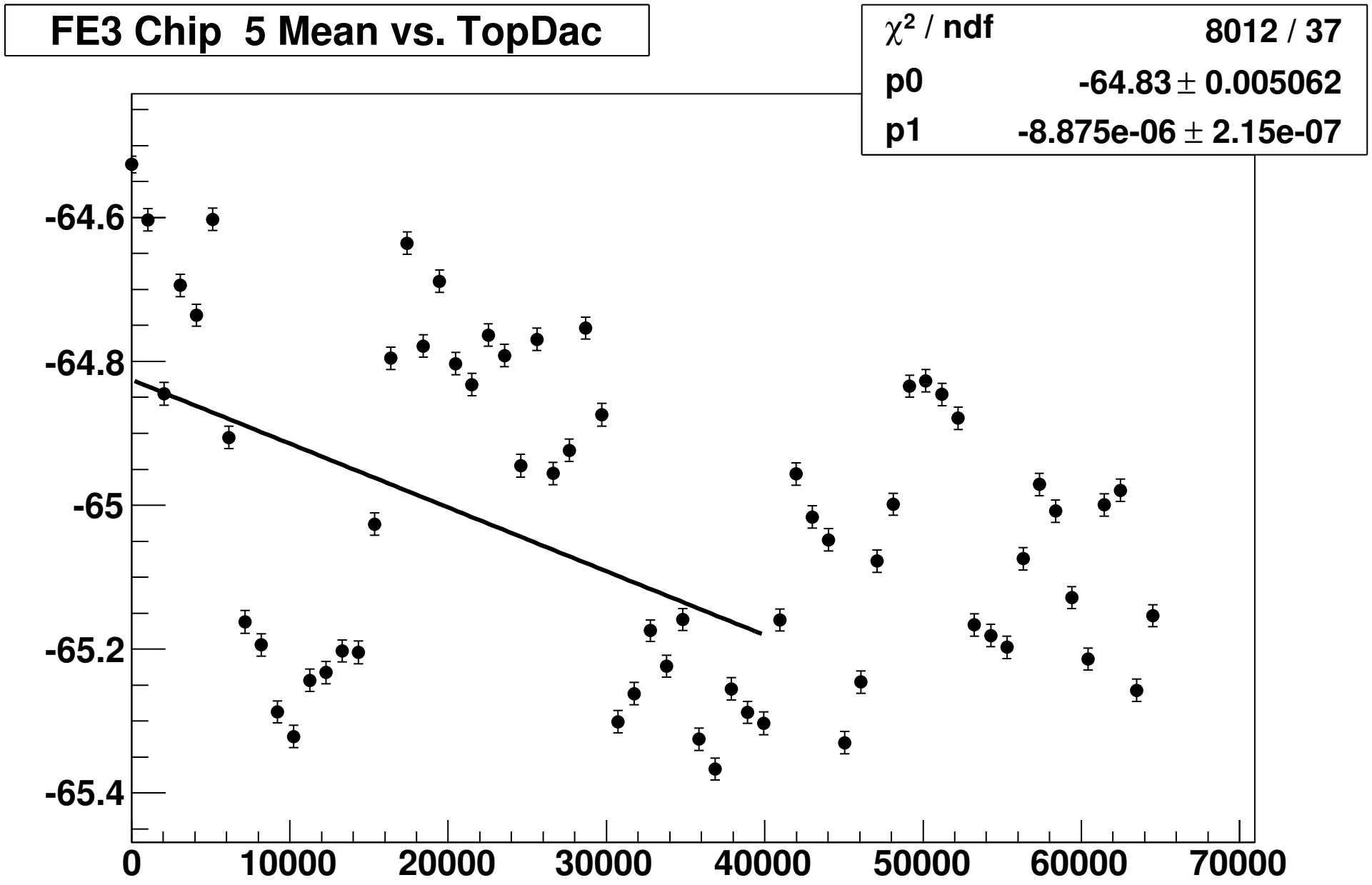
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 8012 / 37
p0 -64.83 ± 0.005062
p1 -8.875e-06 ± 2.15e-07
-64.6
-64.8
-65
-65.2
-65.4
0
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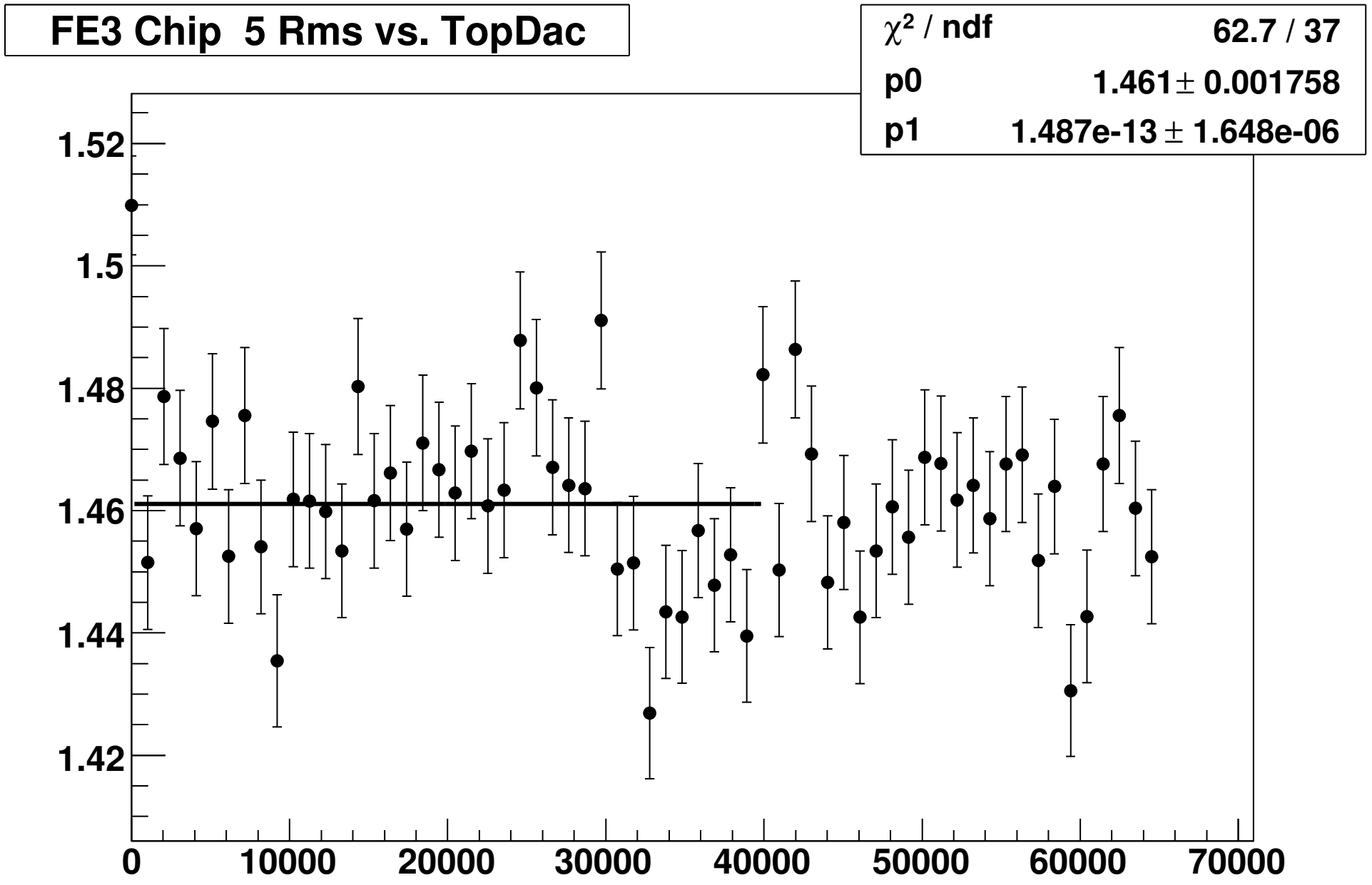
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 62.7 / 37
p0 1.461 ± 0.001758
p1 1.487e-13 ± 1.648e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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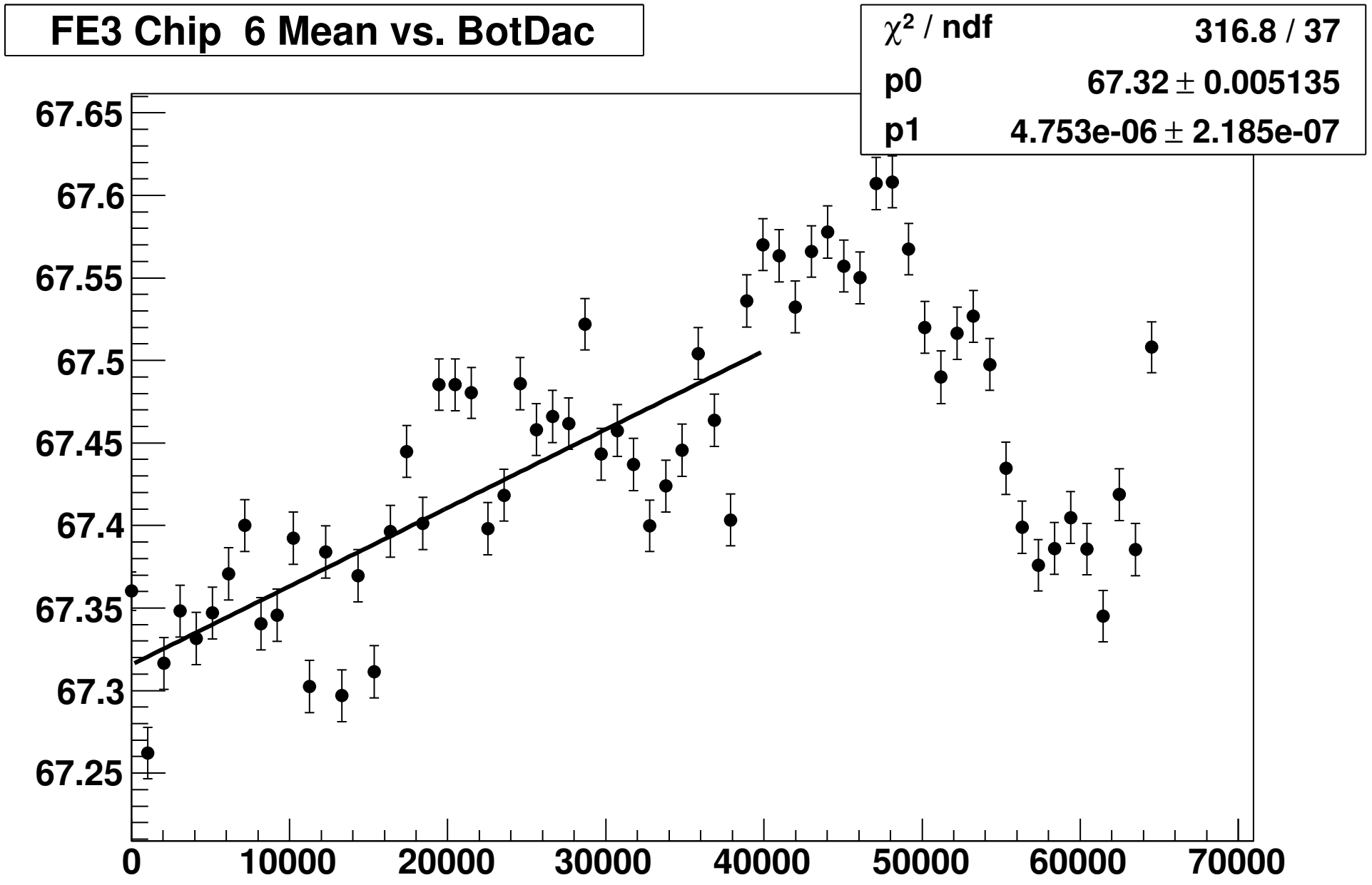
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 316.8 / 37
p0 67.32 ± 0.005135
p1 4.753e-06 ± 2.185e-07
67.65
67.6
67.55
67.5
67.45
67.4
67.35
67.3
67.25
0
10000
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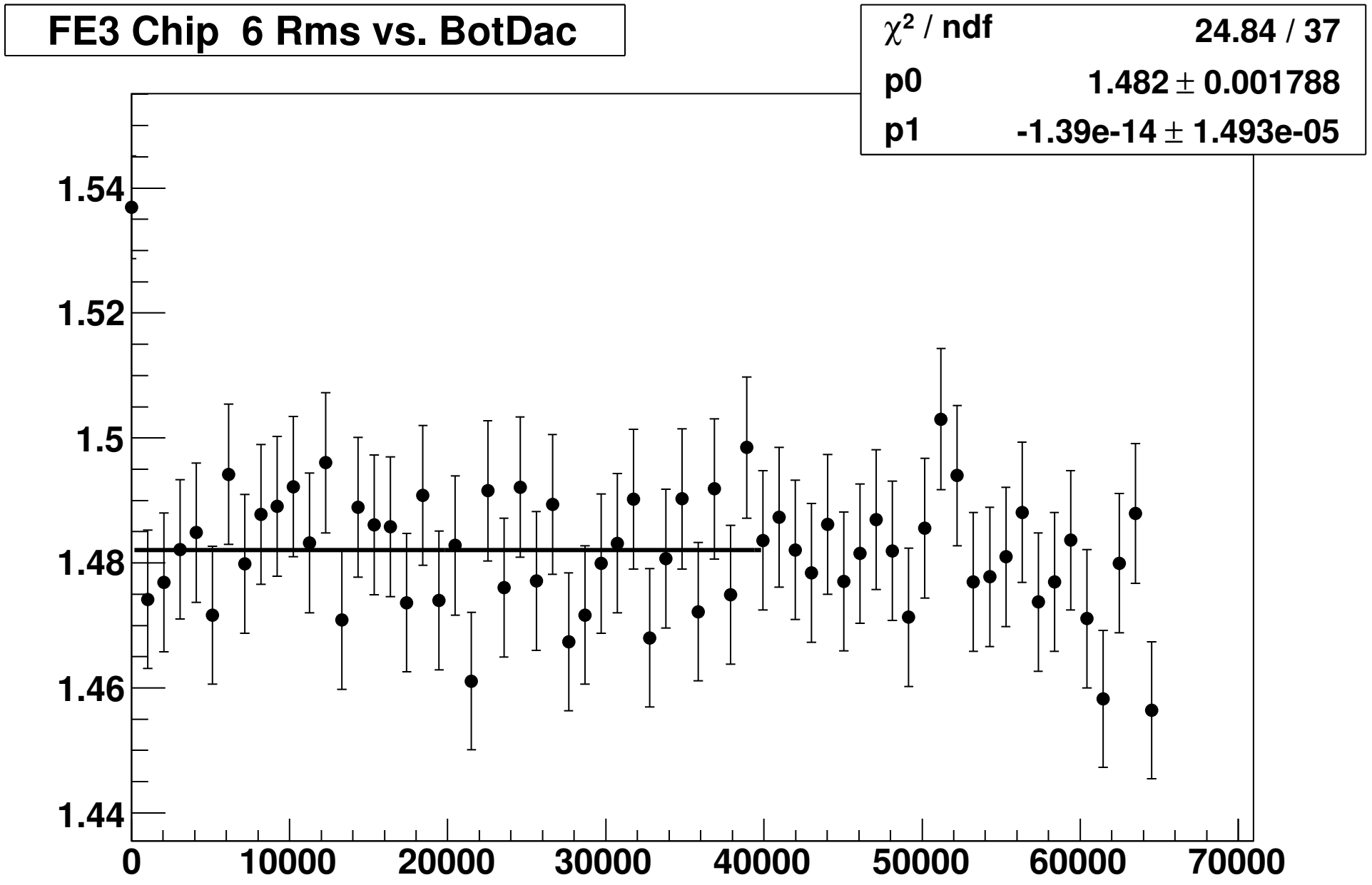
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 24.84 / 37
p0 1.482 ± 0.001788
p1 -1.39e-14 ± 1.493e-05
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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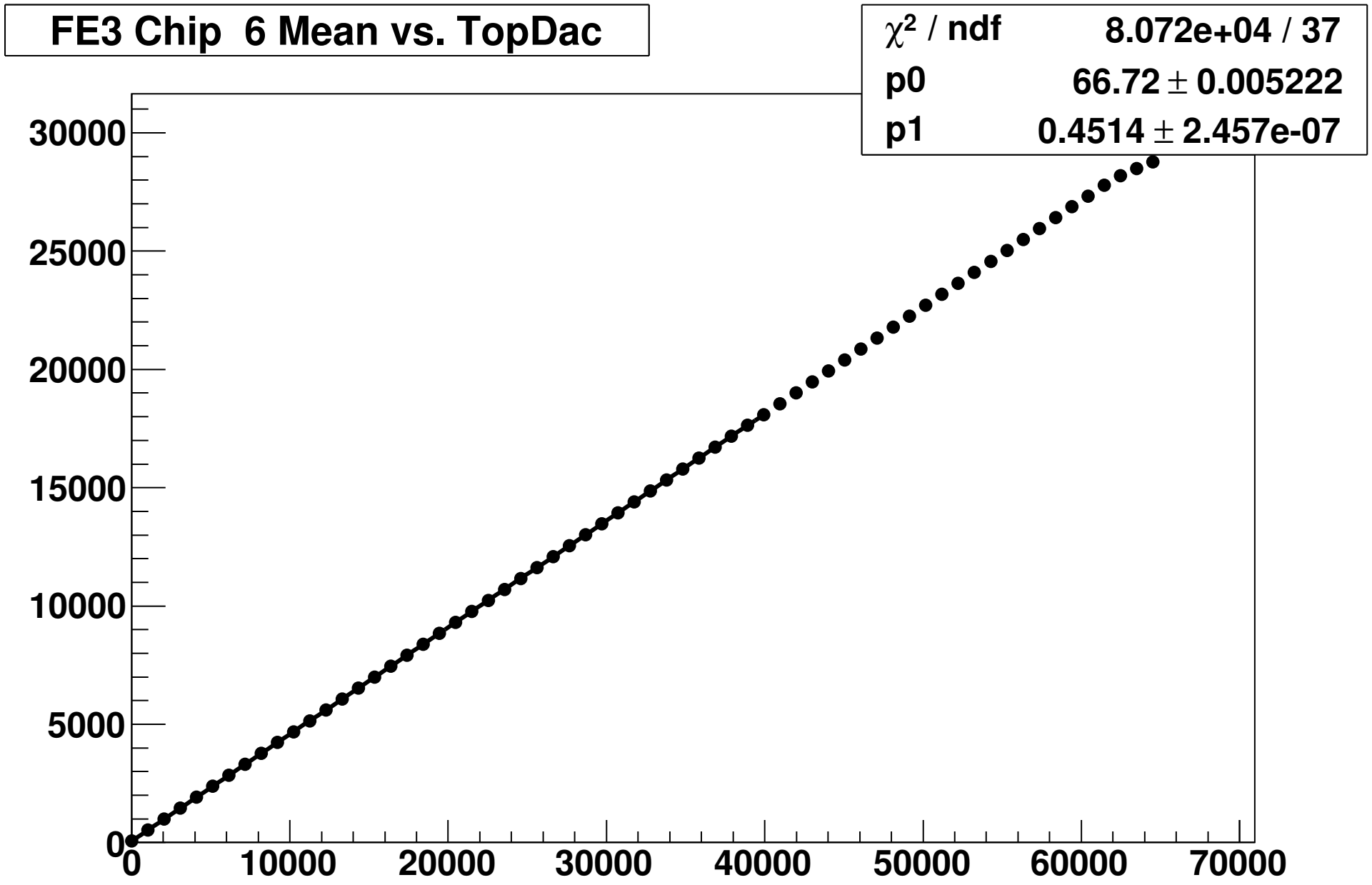
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 8.072e+04 / 37
p0 66.72 ± 0.005222
p1 0.4514 ± 2.457e-07
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15000
10000
5000
0
0
10000
20000
30000
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60000
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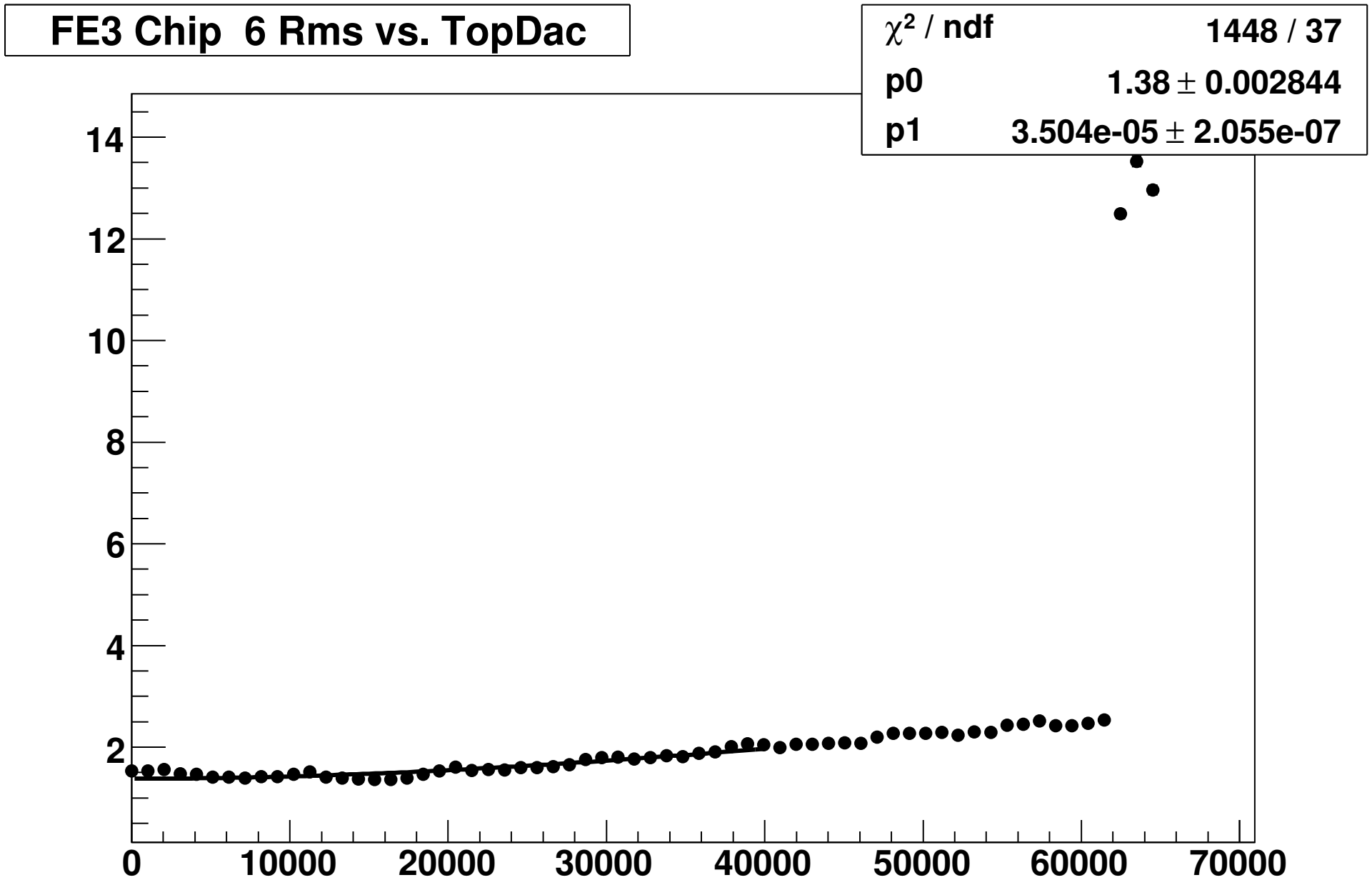
FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1448 / 37
p0 1.38 ± 0.002844
p1 3.504e-05 ± 2.055e-07
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12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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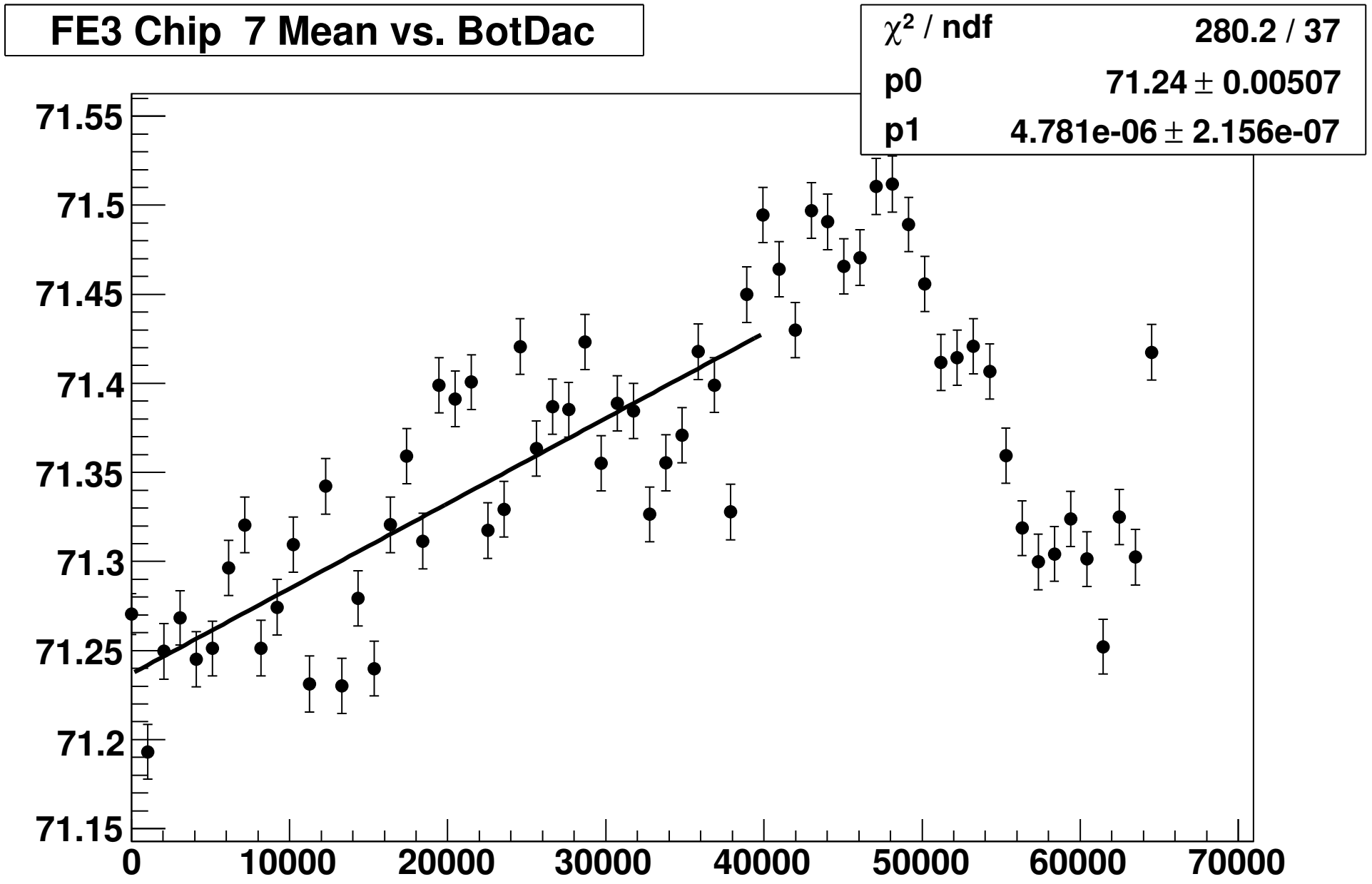
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 280.2 / 37
p0 71.24 ± 0.00507
p1 4.781e-06 ± 2.156e-07
71.55
71.5
71.45
71.4
71.35
71.3
71.25
71.2
71.15
0
10000
20000
30000
40000
50000
60000
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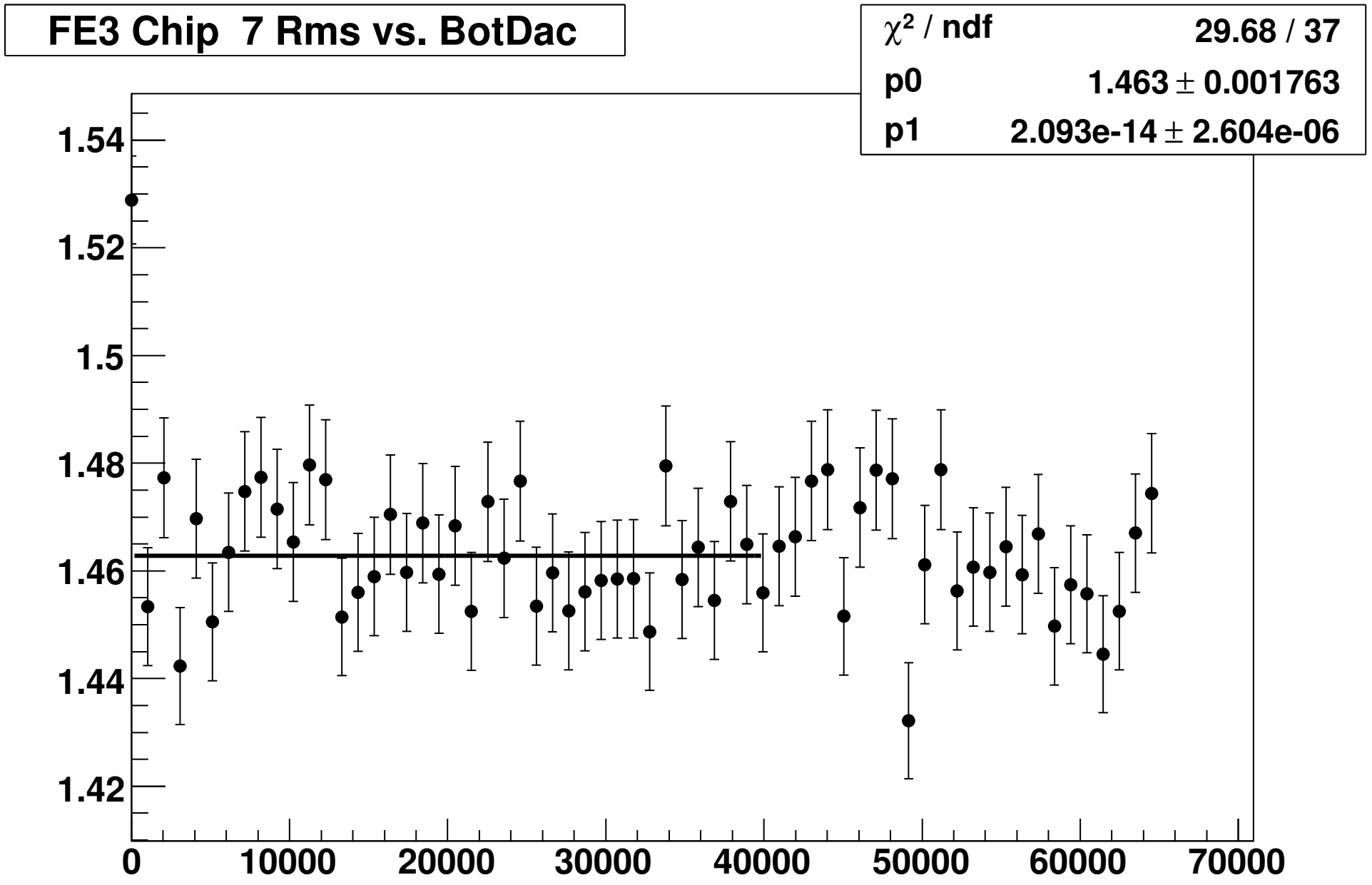
FE3 Chip 7 Rms vs. BotDac
χ² / ndf 29.68 / 37
p0 1.463 ± 0.001763
p1 2.093e-14 ± 2.604e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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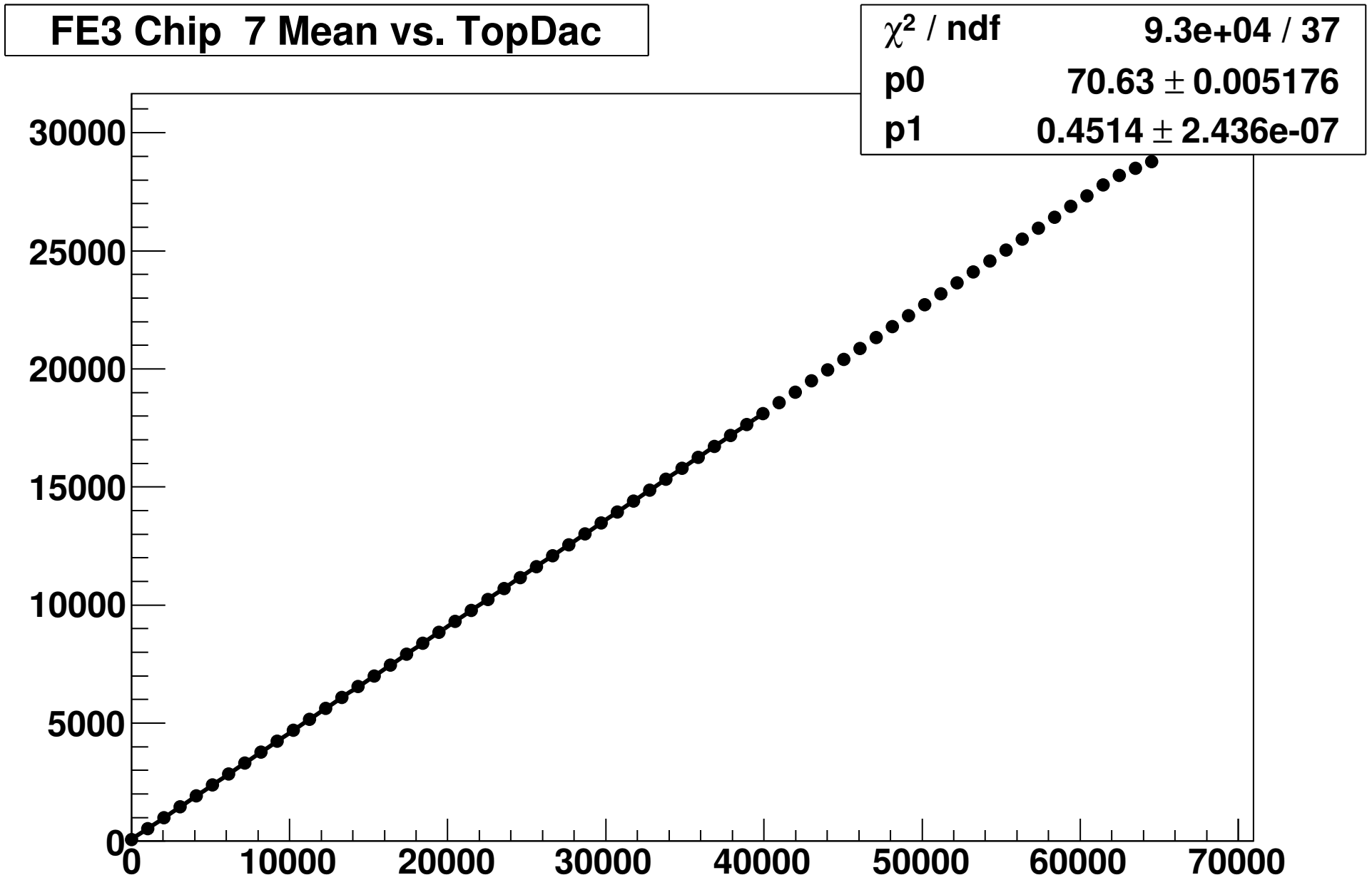
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 9.3e+04 / 37
p0 70.63 ± 0.005176
p1 0.4514 ± 2.436e-07
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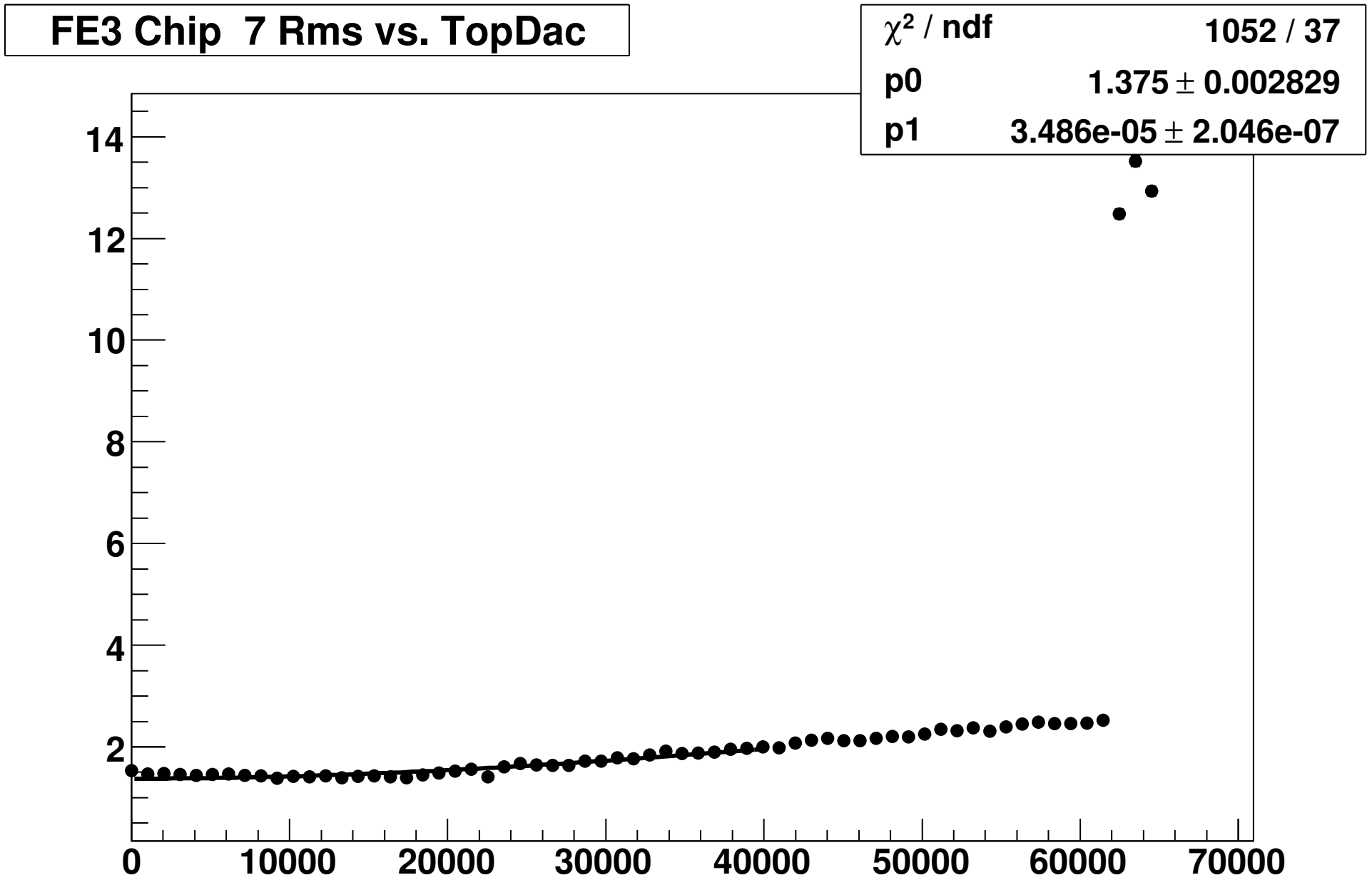
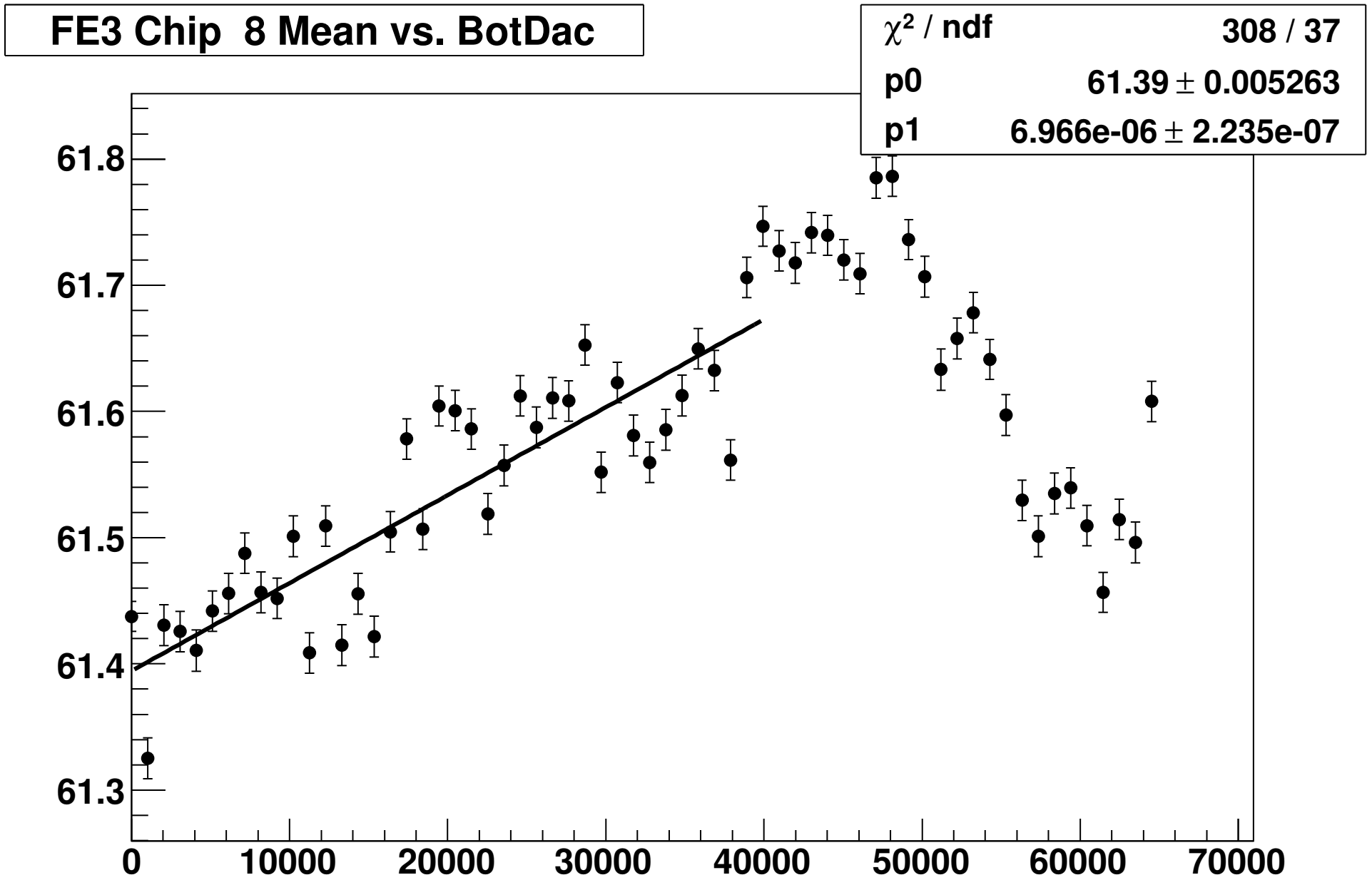
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1052 / 37
p0 1.375 ± 0.002829
p1 3.486e-05 ± 2.046e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 308 / 37
p0 61.39 ± 0.005263
p1 6.966e-06 ± 2.235e-07
61.8
61.7
61.6
61.5
61.4
61.3
0
10000
20000
30000
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60000
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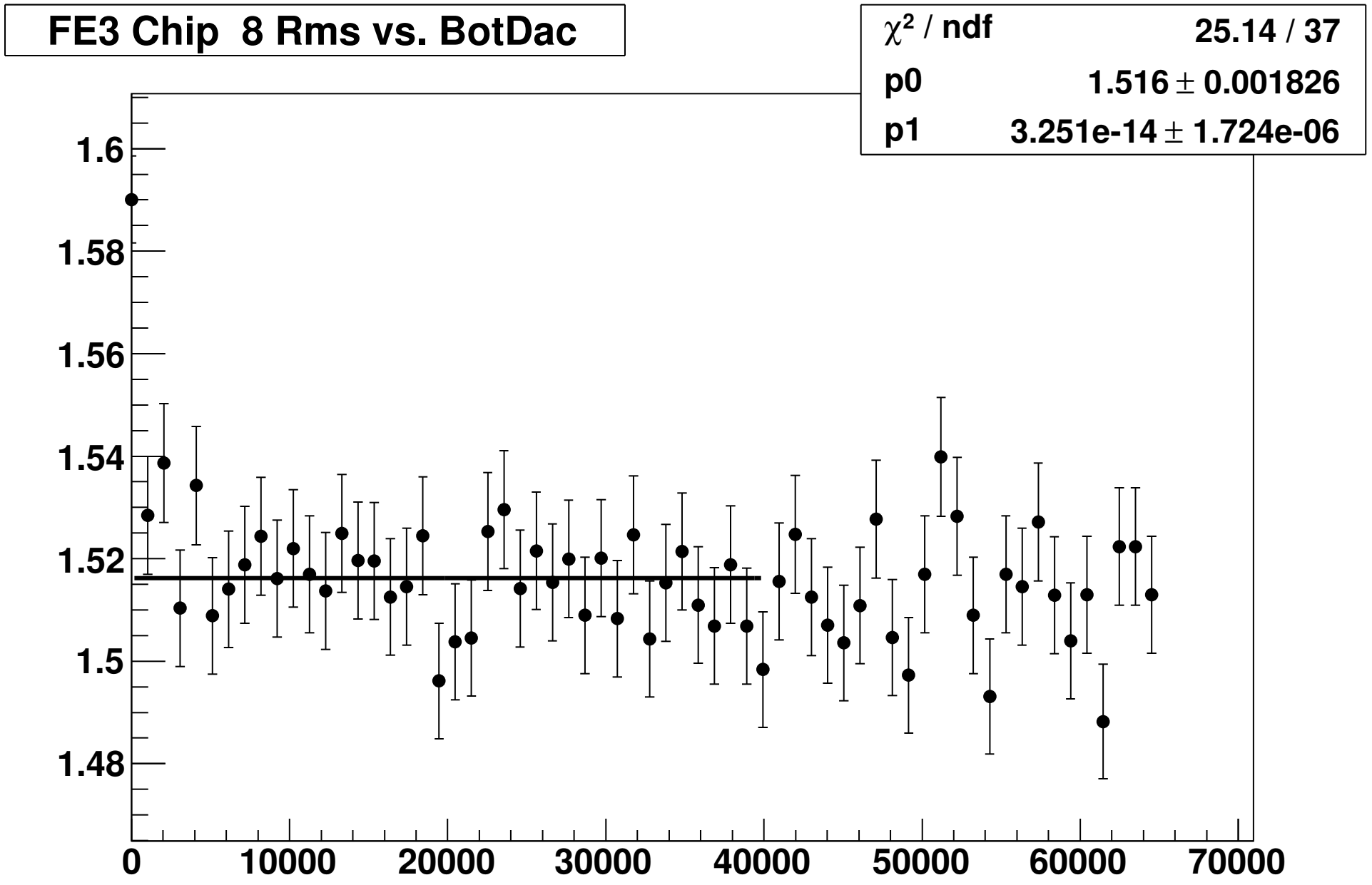
FE3 Chip 8 Rms vs. BotDac
χ² / ndf 25.14 / 37
p0 1.516 ± 0.001826
p1 3.251e-14 ± 1.724e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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50000
60000
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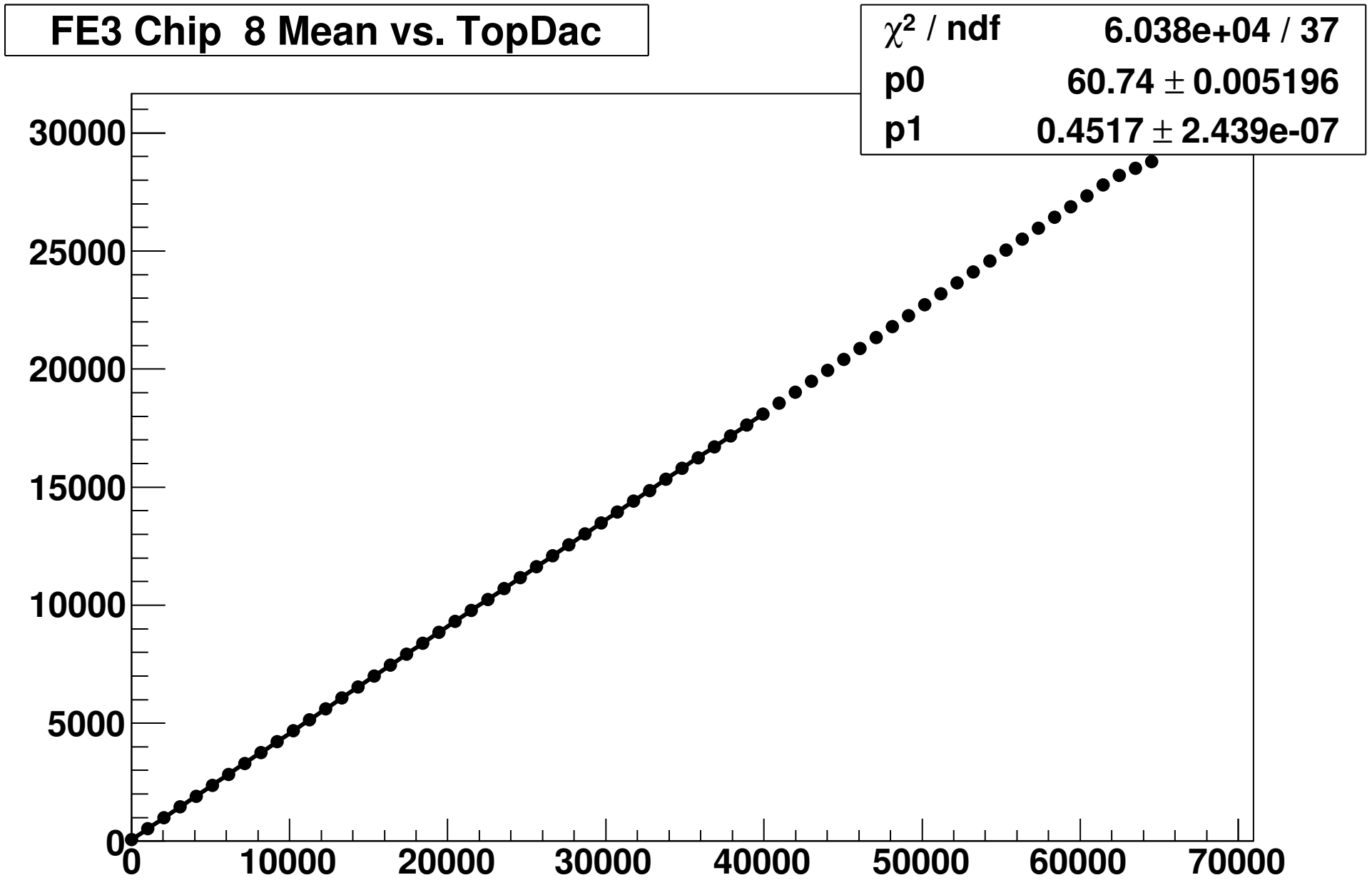
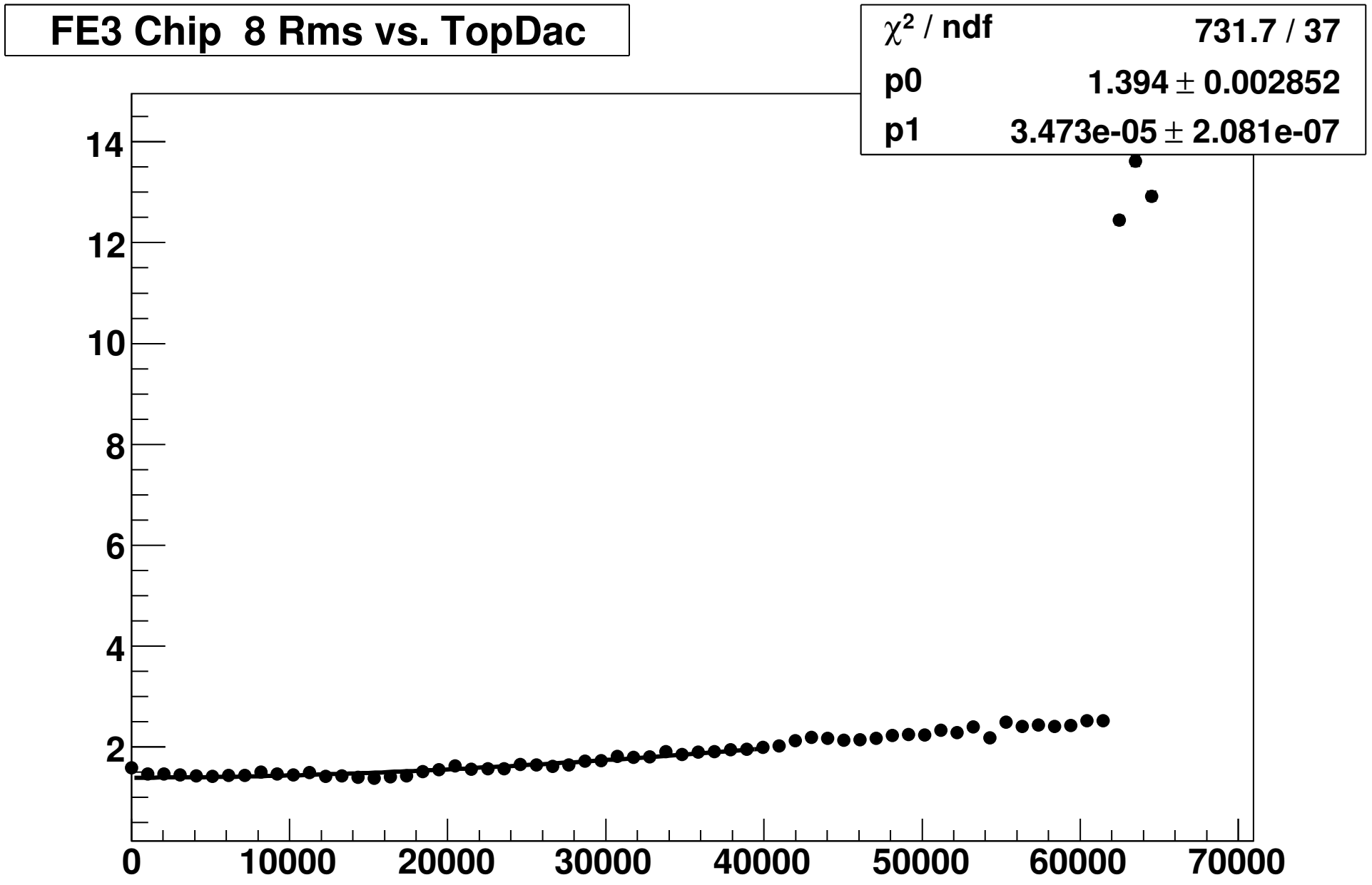

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 6.038e+04 / 37
p0 60.74 ± 0.005196
p1 0.4517 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 731.7 / 37
p0 1.394 ± 0.002852
p1 3.473e-05 ± 2.081e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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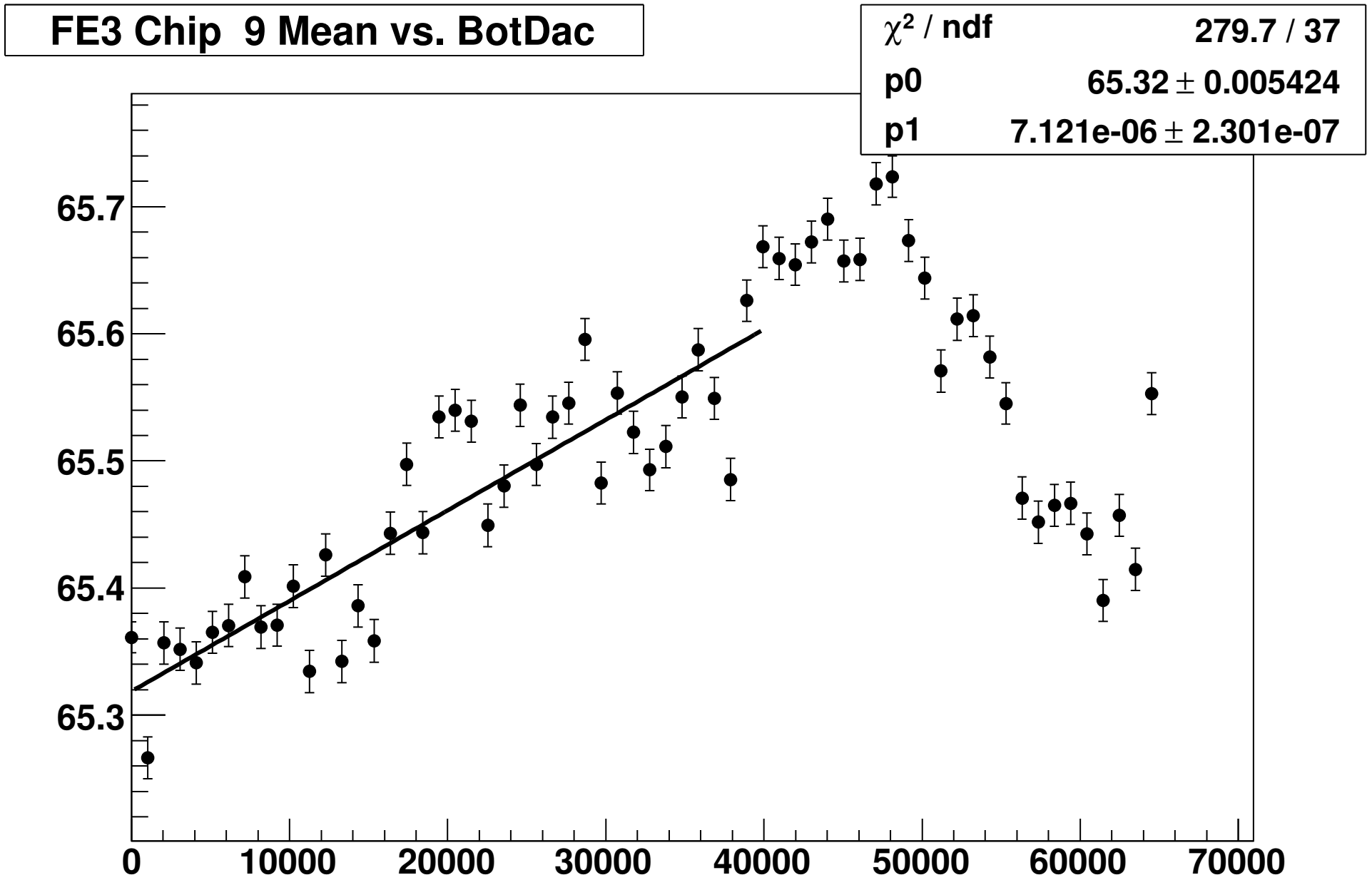
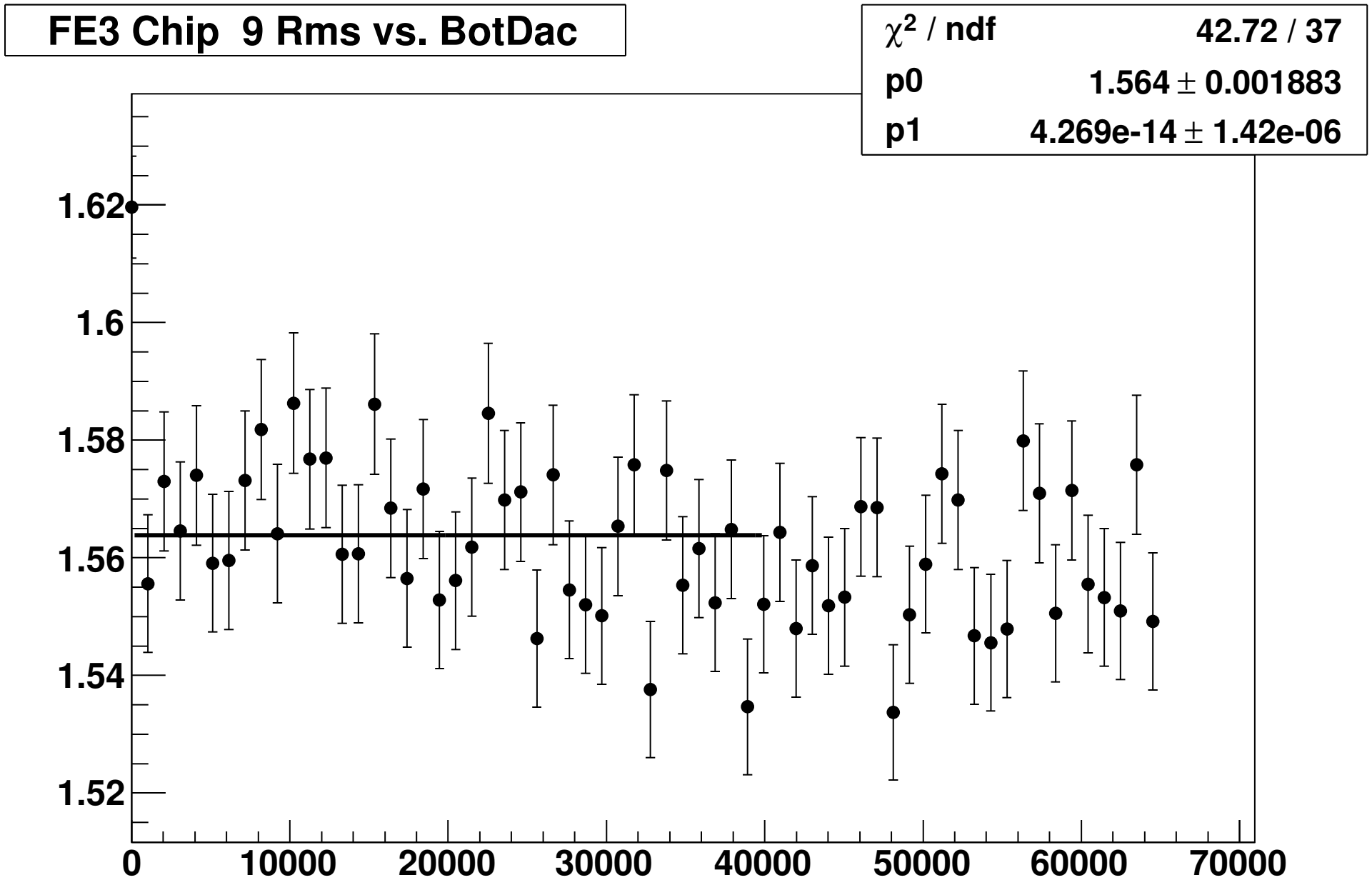

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 279.7 / 37
p0 65.32 ± 0.005424
p1 7.121e-06 ± 2.301e-07
65.7
65.6
65.5
65.4
65.3
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 42.72 / 37
p0 1.564 ± 0.001883
p1 4.269e-14 ± 1.42e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
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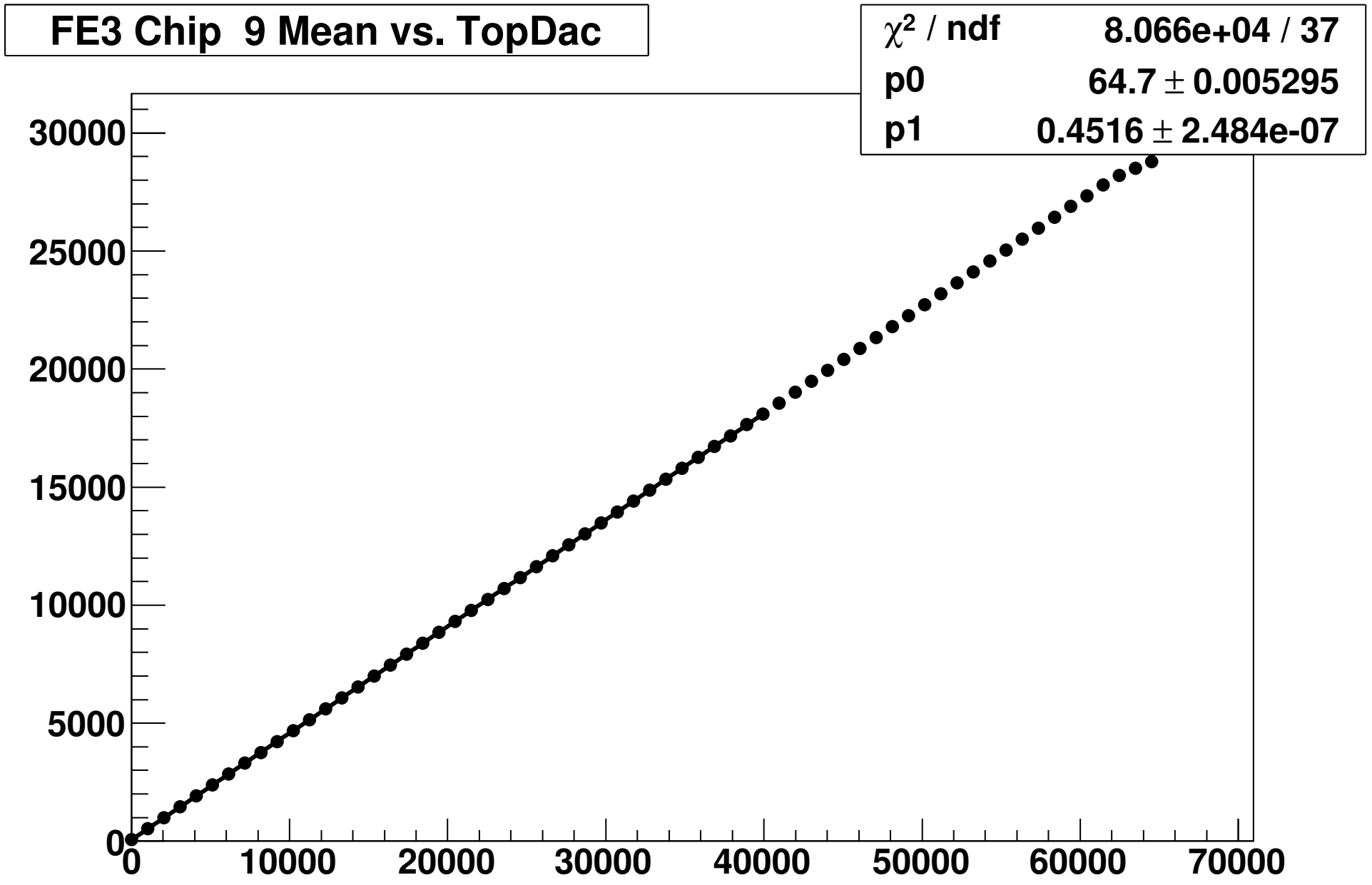
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.066e+04 / 37
p0 64.7 ± 0.005295
p1 0.4516 ± 2.484e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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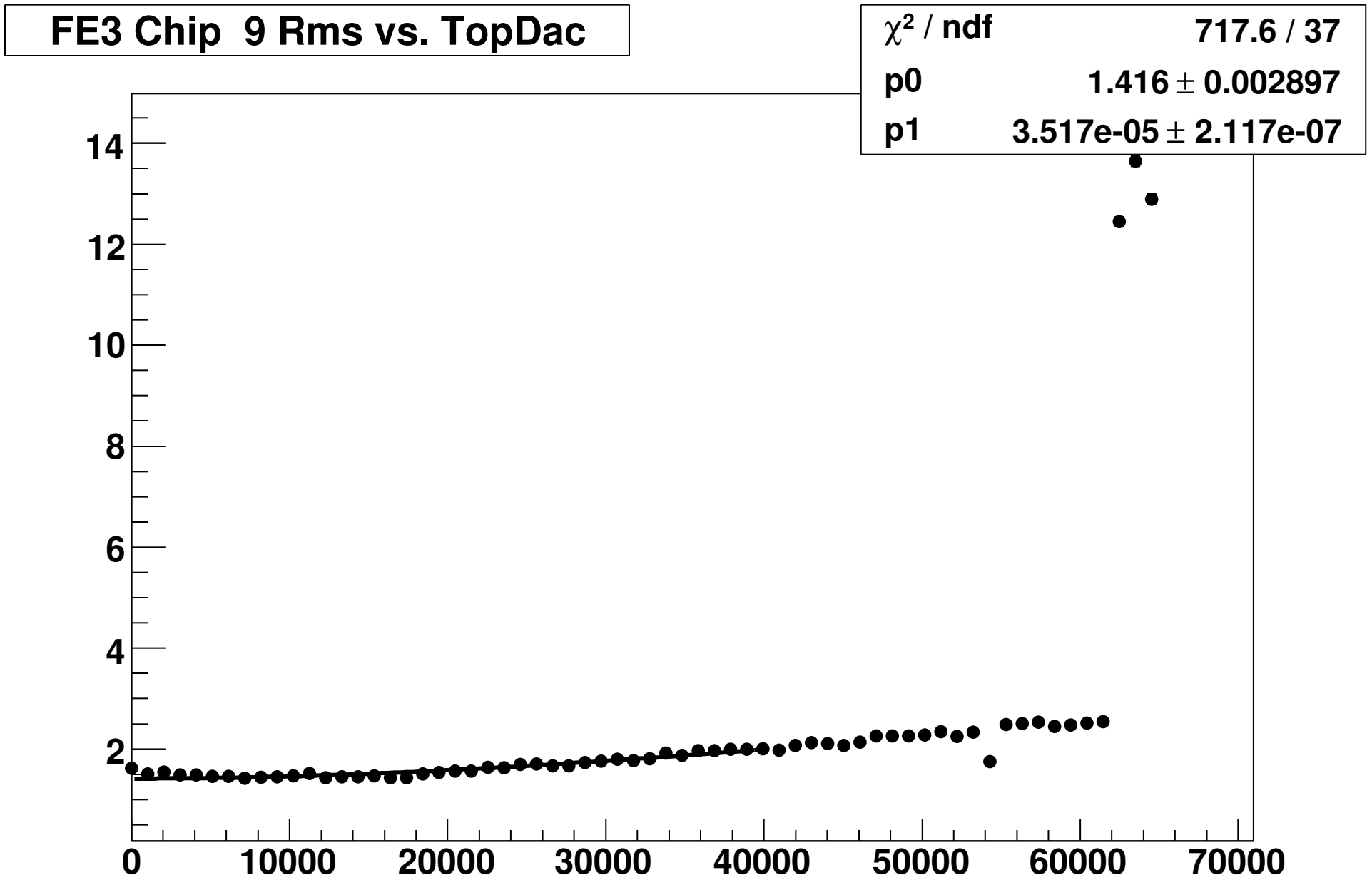
FE3 Chip 9 Rms vs. TopDac
χ² / ndf 717.6 / 37
p0 1.416 ± 0.002897
p1 3.517e-05 ± 2.117e-07
14
12
10
8
6
4
2
0
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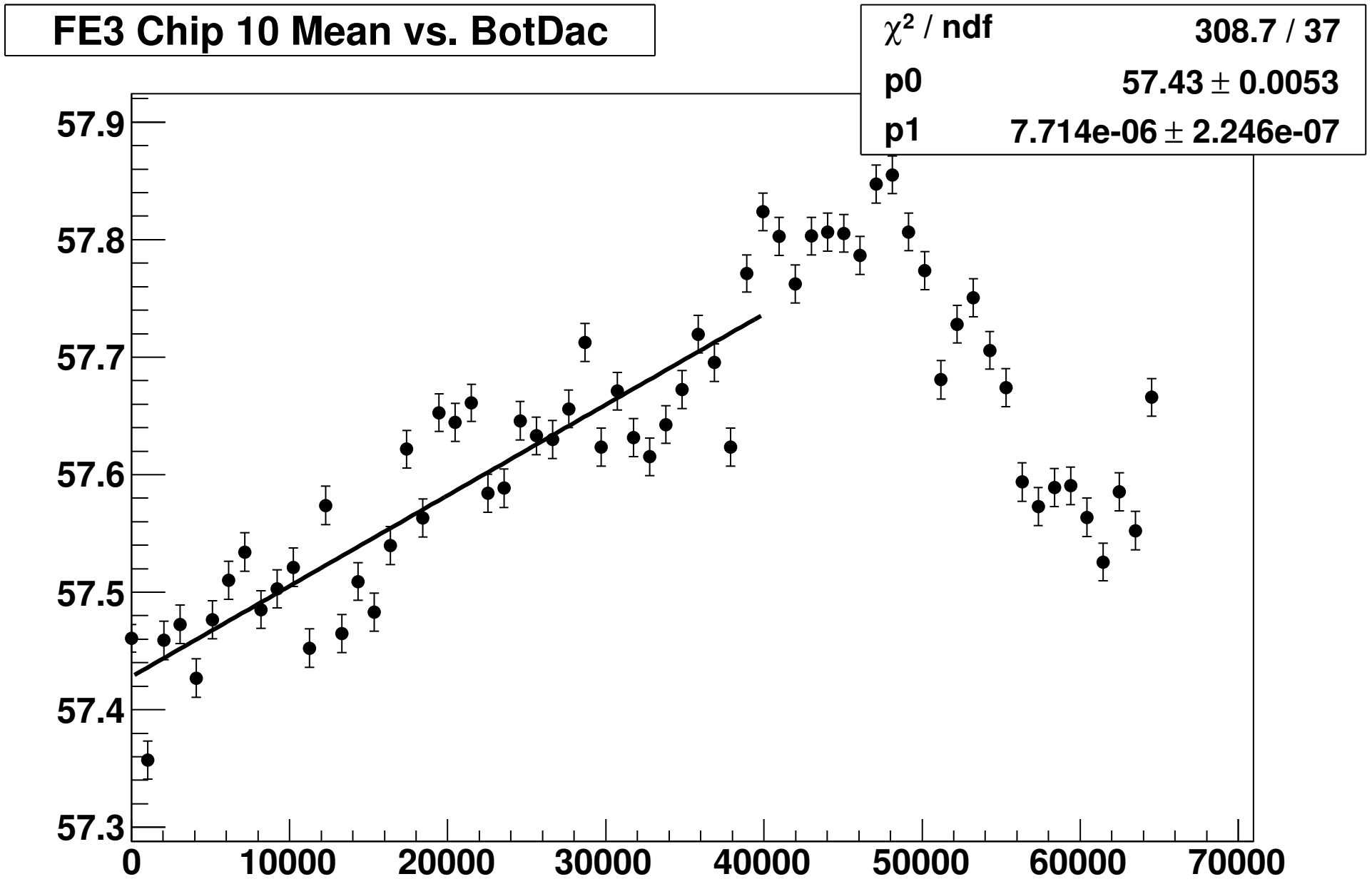
FE3 Chip 10 Mean vs. BotDac
χ² / ndf 308.7 / 37
p0 57.43 ± 0.0053
p1 7.714e-06 ± 2.246e-07
57.9
57.8
57.7
57.6
57.5
57.4
57.3
0
10000
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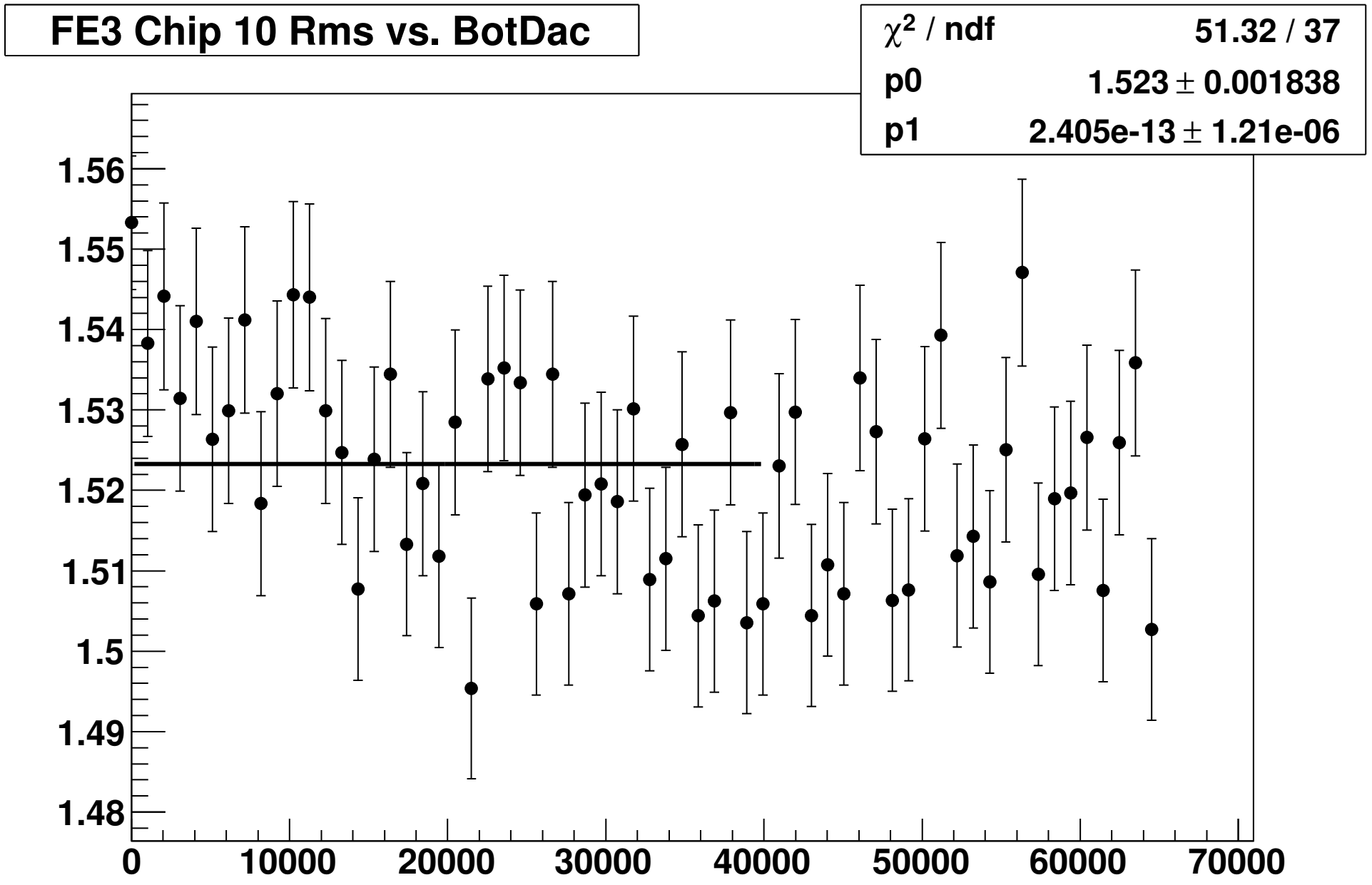
FE3 Chip 10 Rms vs. BotDac
χ² / ndf 51.32 / 37
p0 1.523 ± 0.001838
p1 2.405e-13 ± 1.21e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
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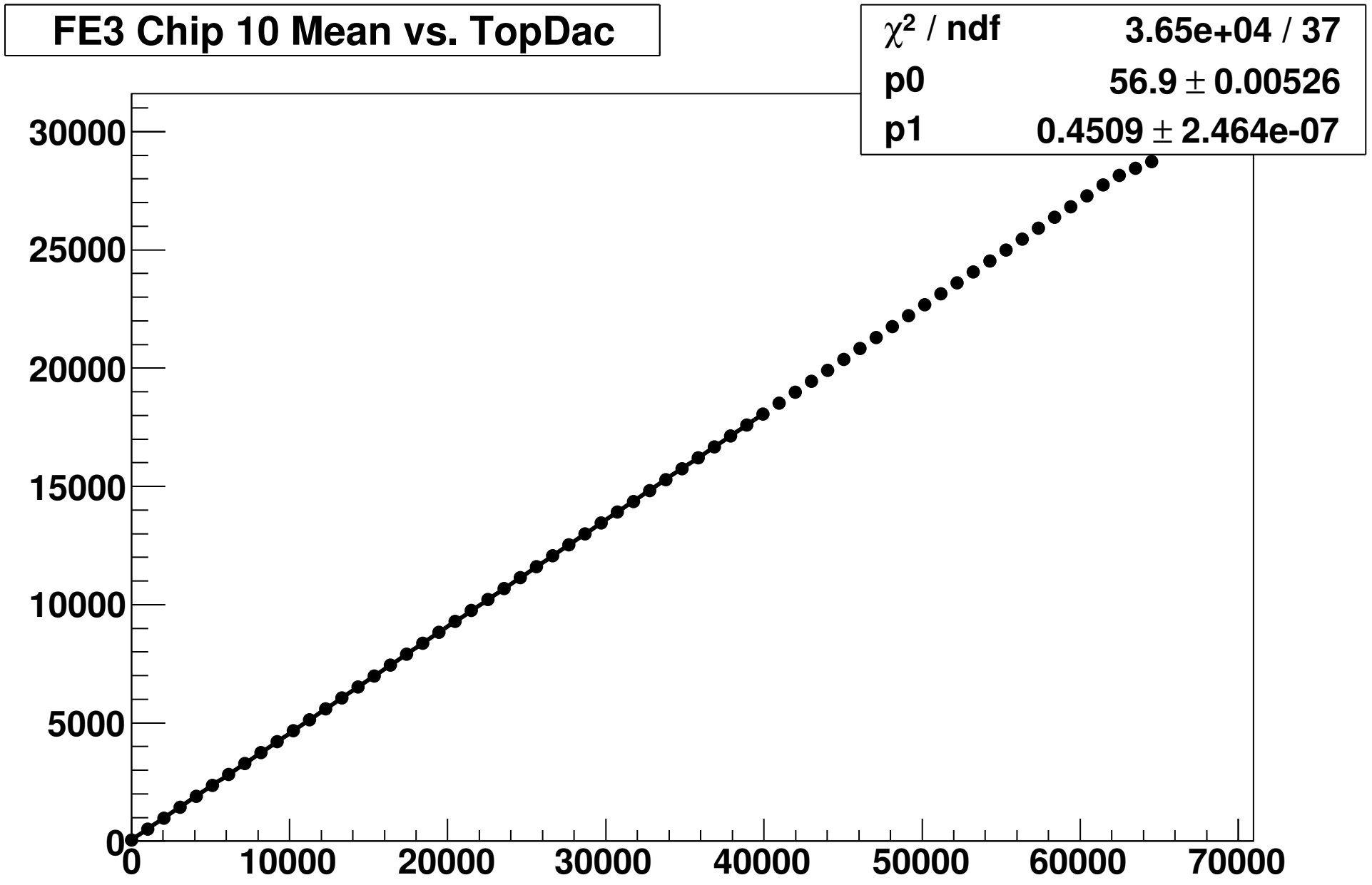
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 3.65e+04 / 37
p0 56.9 ± 0.00526
p1 0.4509 ± 2.464e-07
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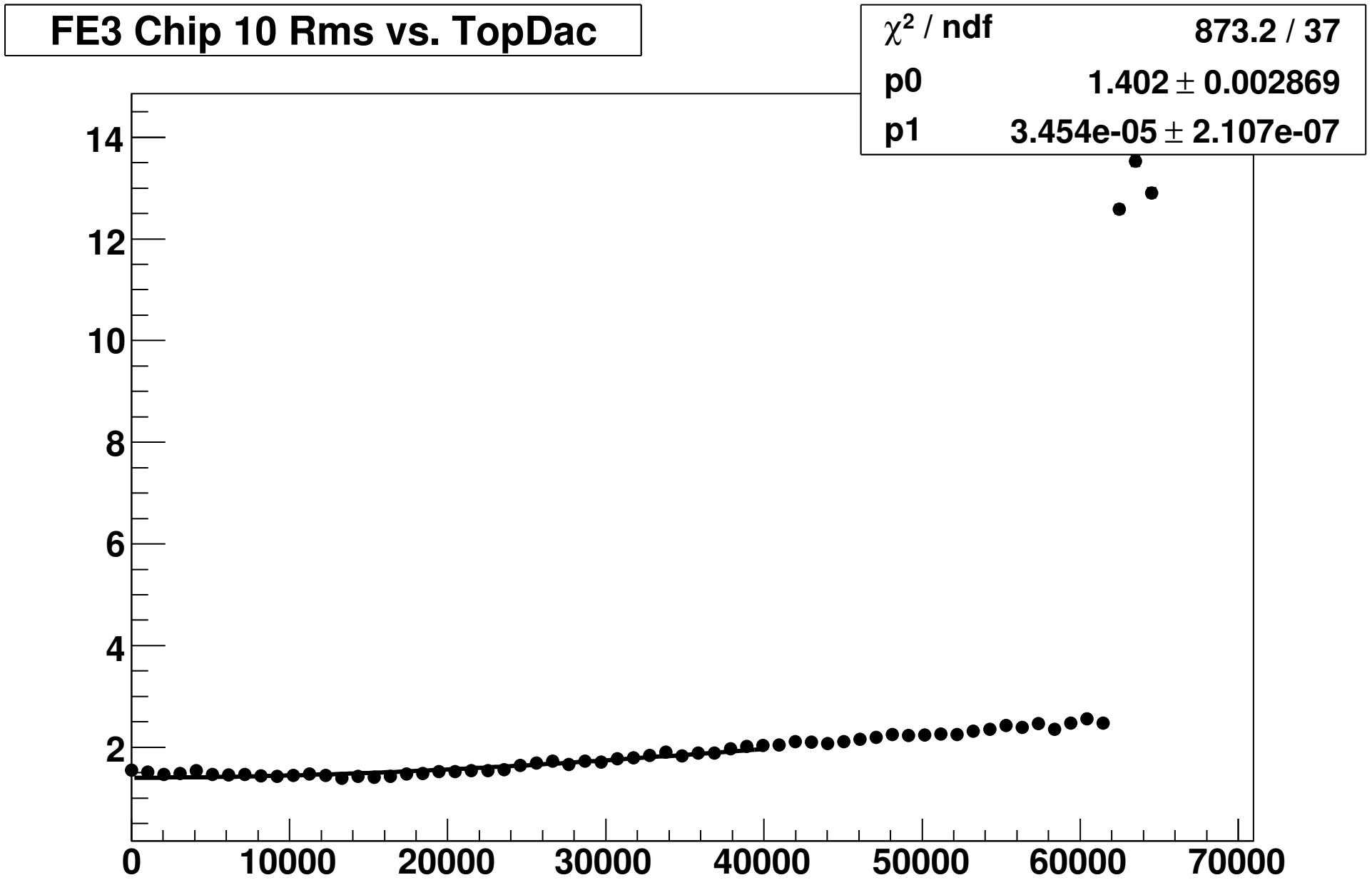
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 873.2 / 37
p0 1.402 ± 0.002869
p1 3.454e-05 ± 2.107e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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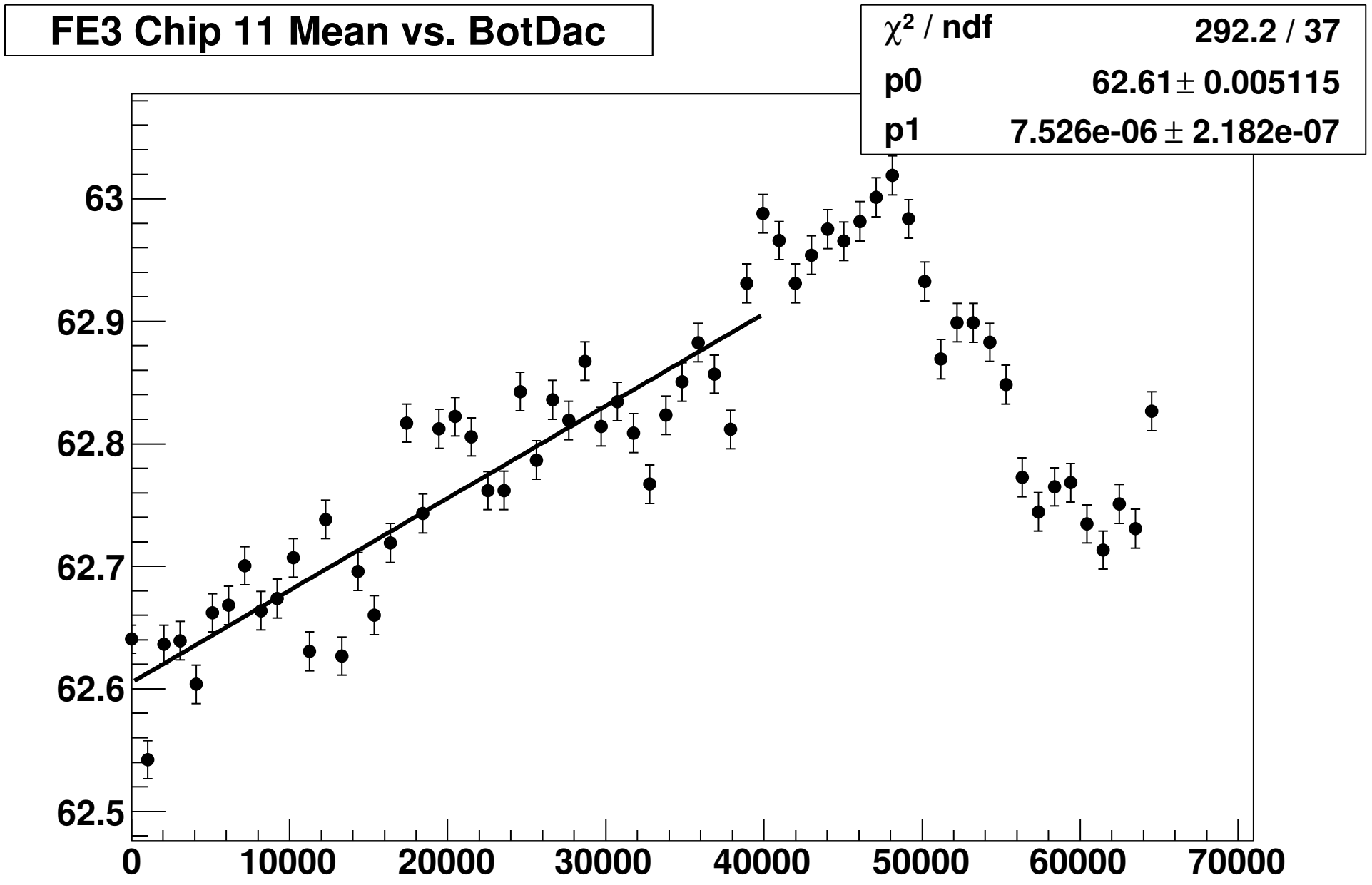
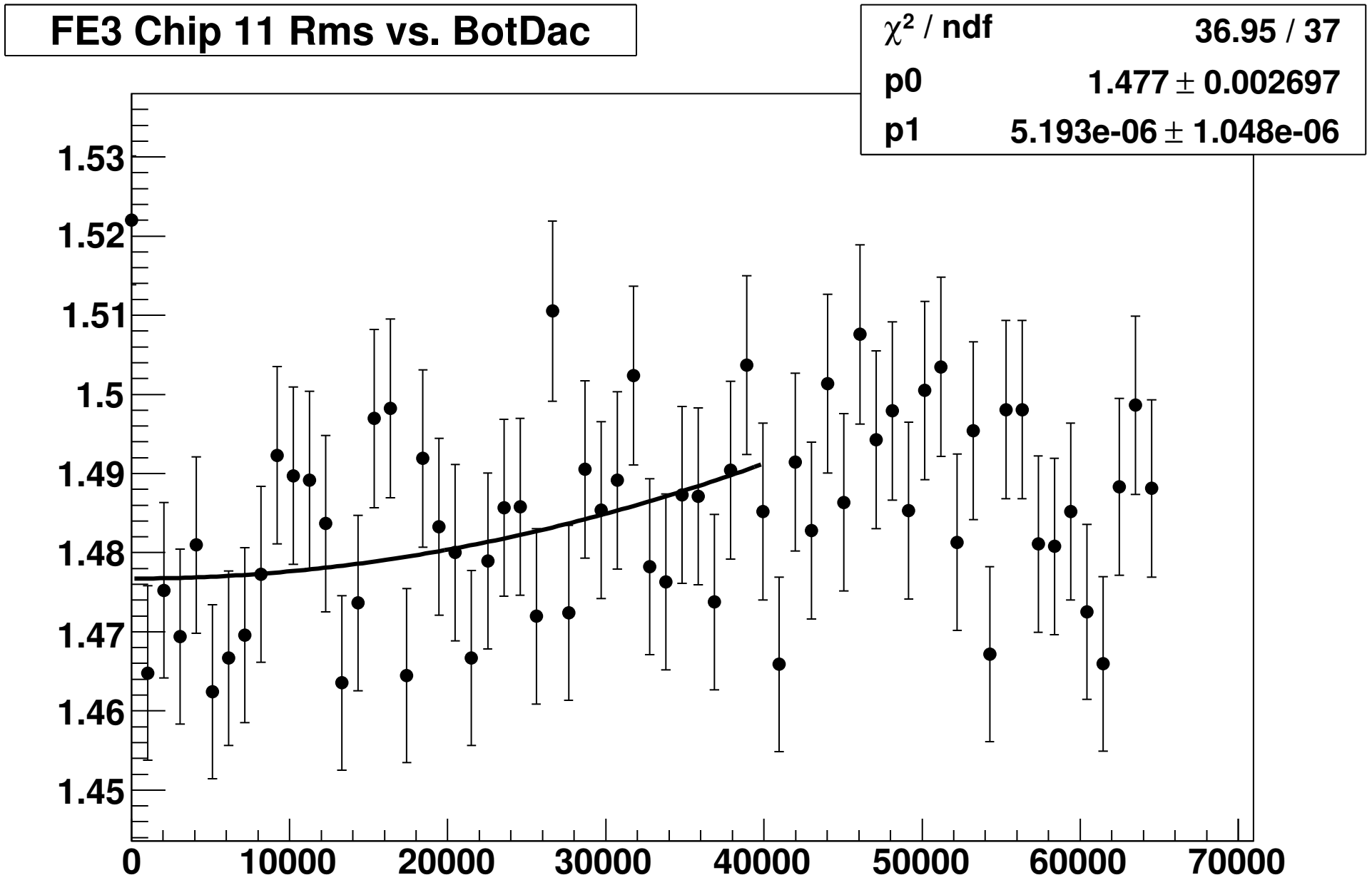
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 292.2 / 37
p0 62.61 ± 0.005115
p1 7.526e-06 ± 2.182e-07
63
62.9
62.8
62.7
62.6
62.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 36.95 / 37
p0 1.477 ± 0.002697
p1 5.193e-06 ± 1.048e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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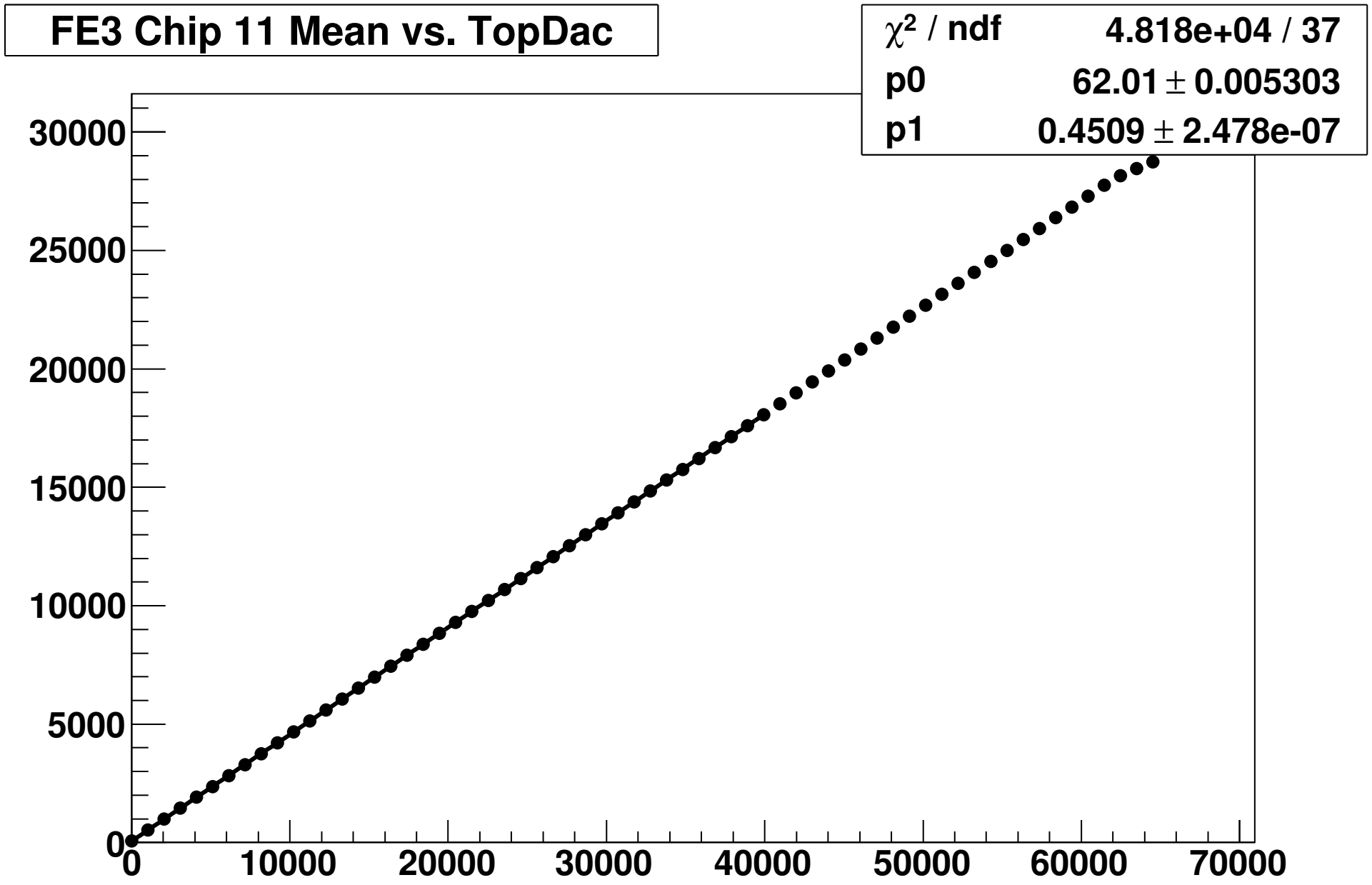
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.818e+04 / 37
p0 62.01 ± 0.005303
p1 0.4509 ± 2.478e-07
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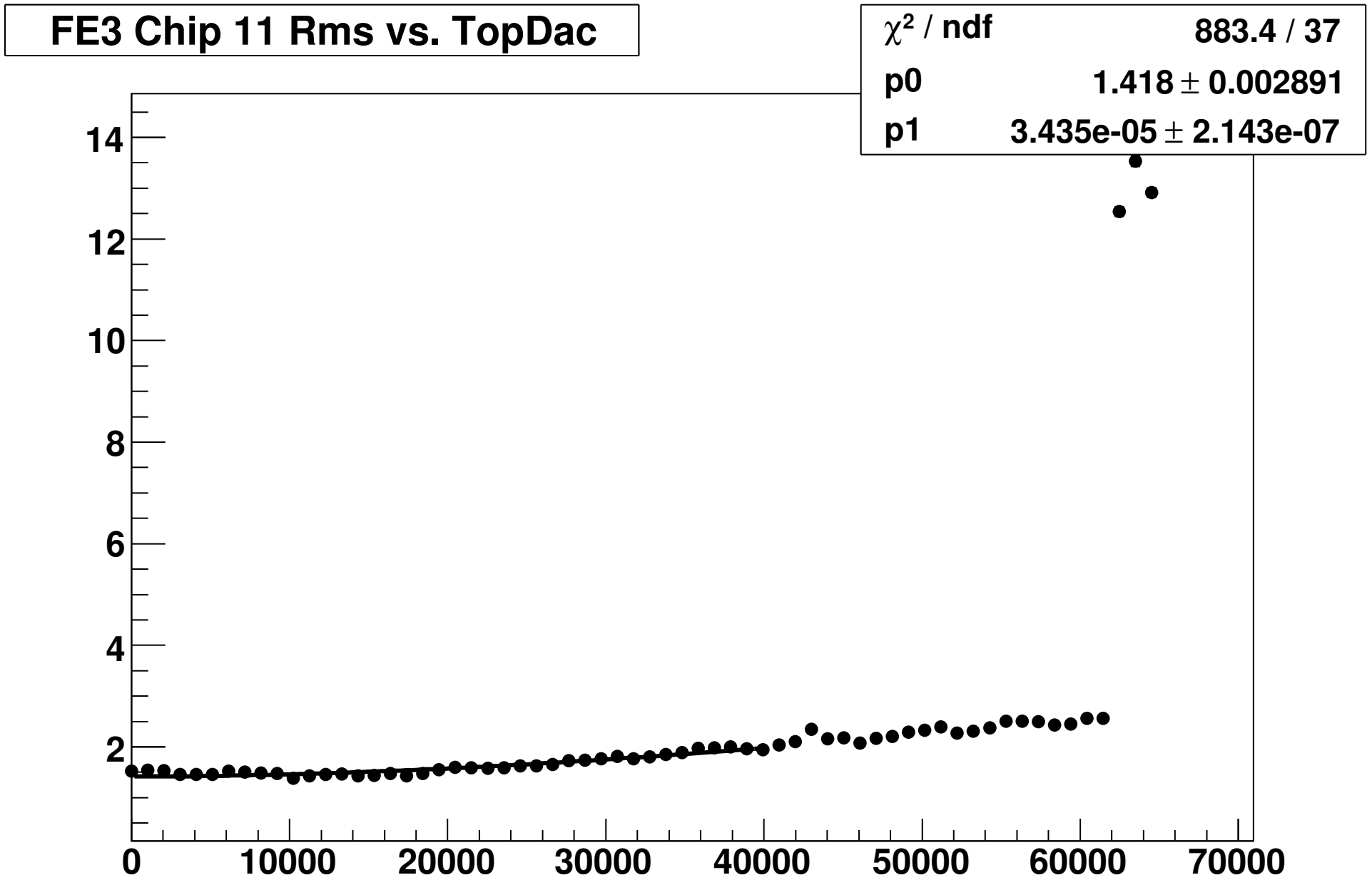
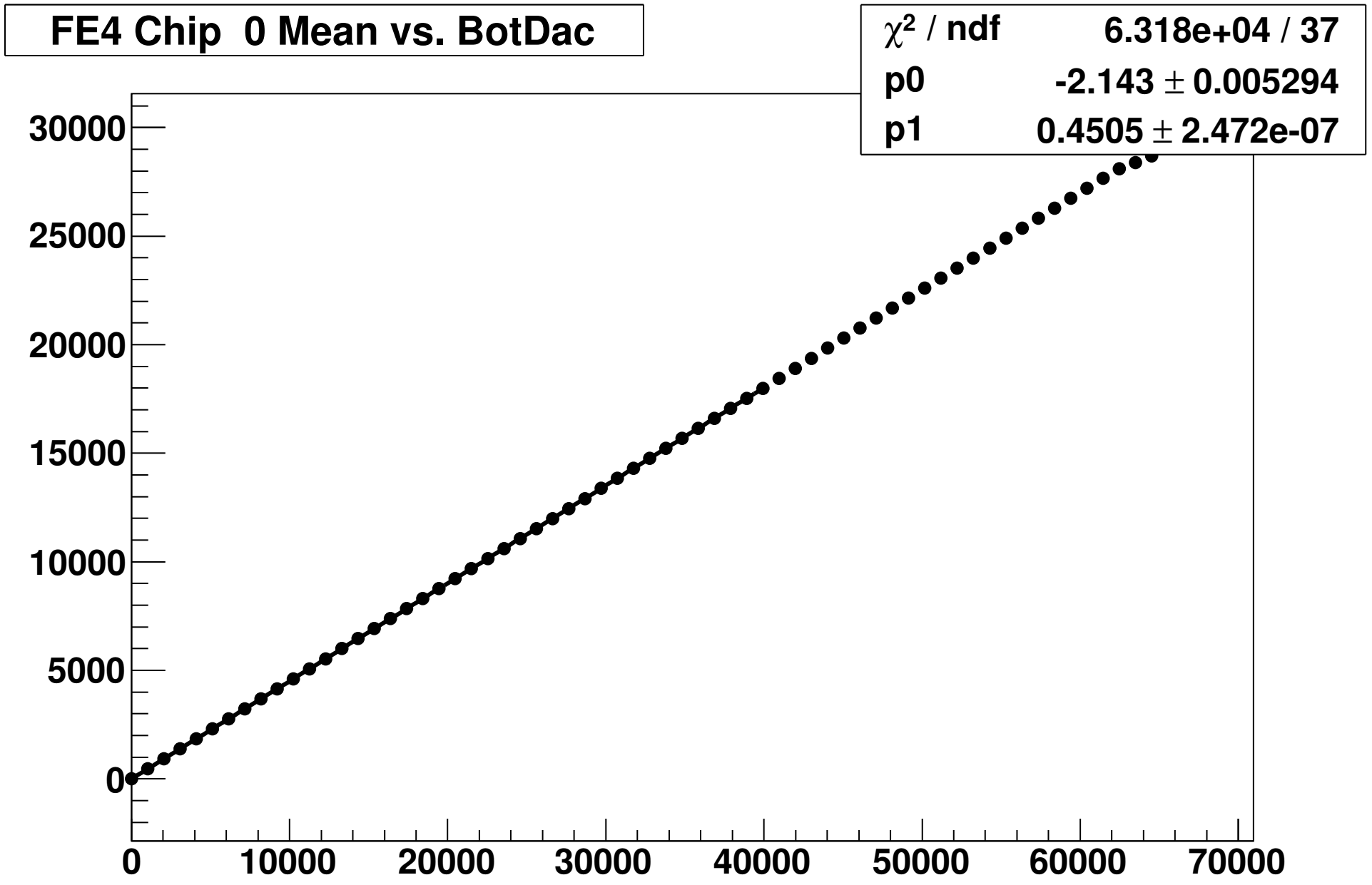
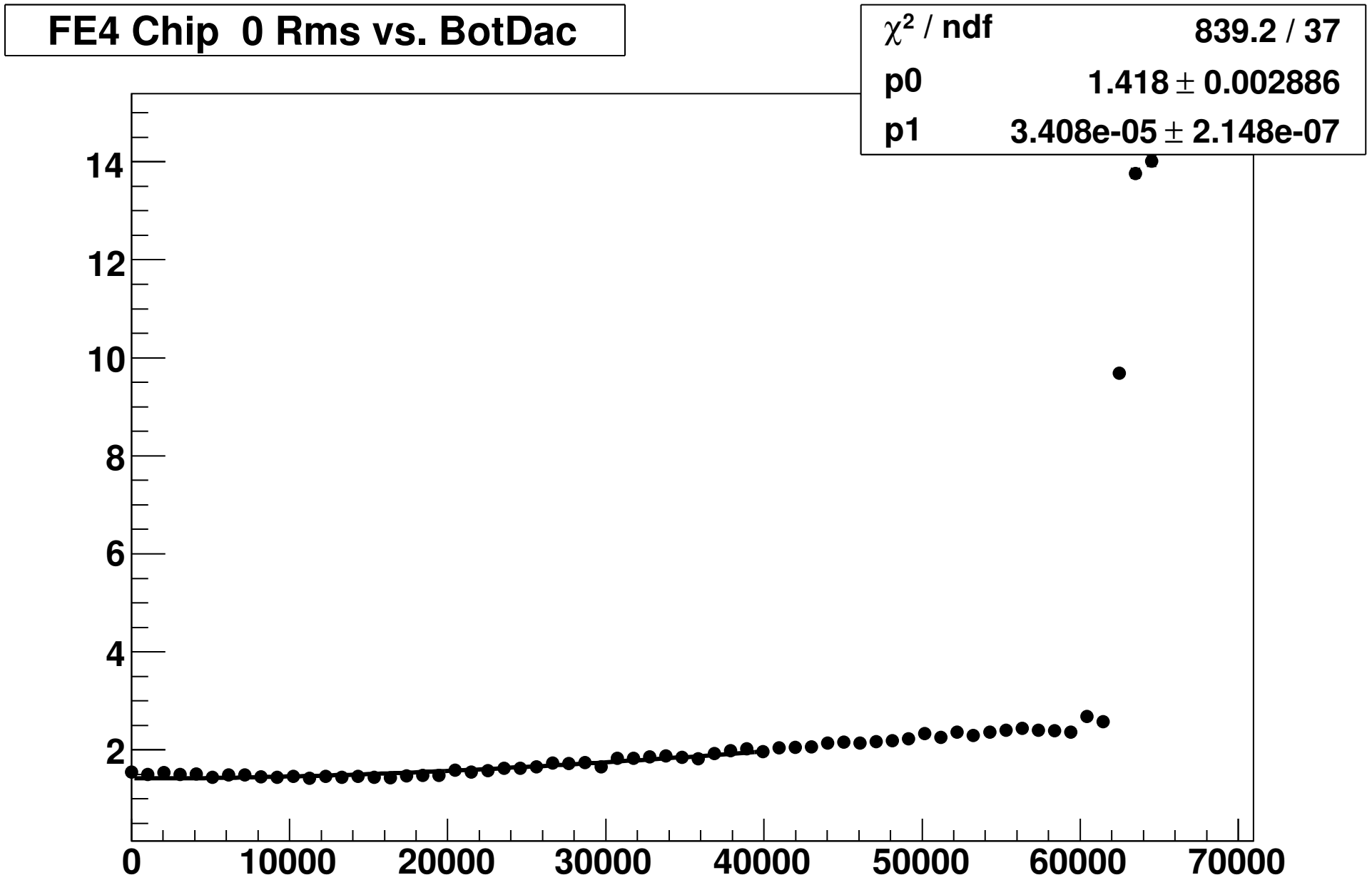
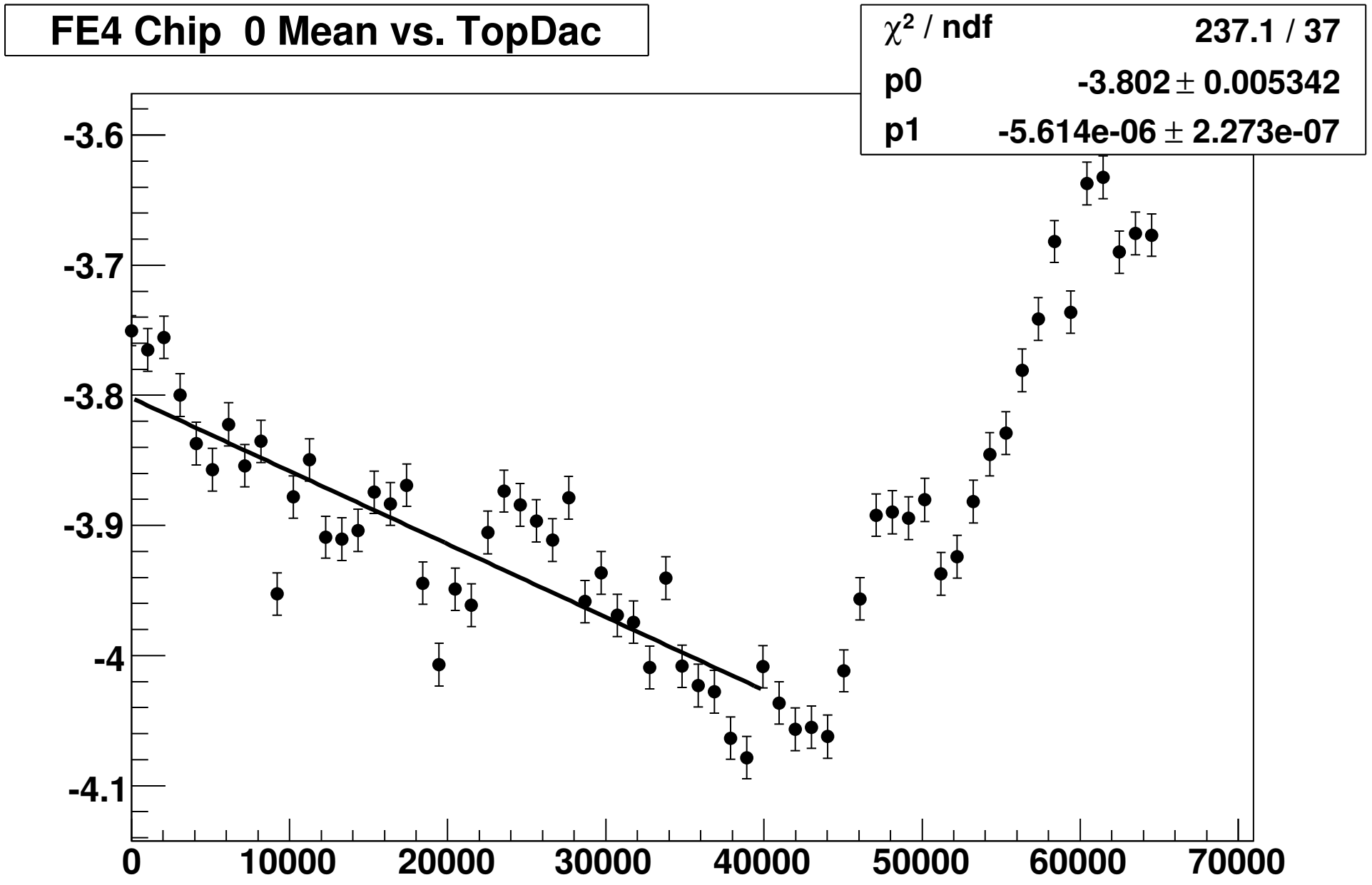
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 883.4 / 37
p0 1.418 ± 0.002891
p1 3.435e-05 ± 2.143e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 6.318e+04 / 37
p0 -2.143 ± 0.005294
p1 0.4505 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 839.2 / 37
p0 1.418 ± 0.002886
p1 3.408e-05 ± 2.148e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 237.1 / 37
p0 -3.802 ± 0.005342
p1 -5.614e-06 ± 2.273e-07
-3.6
-3.7
-3.8
-3.9
-4
-4.1
0
10000
20000
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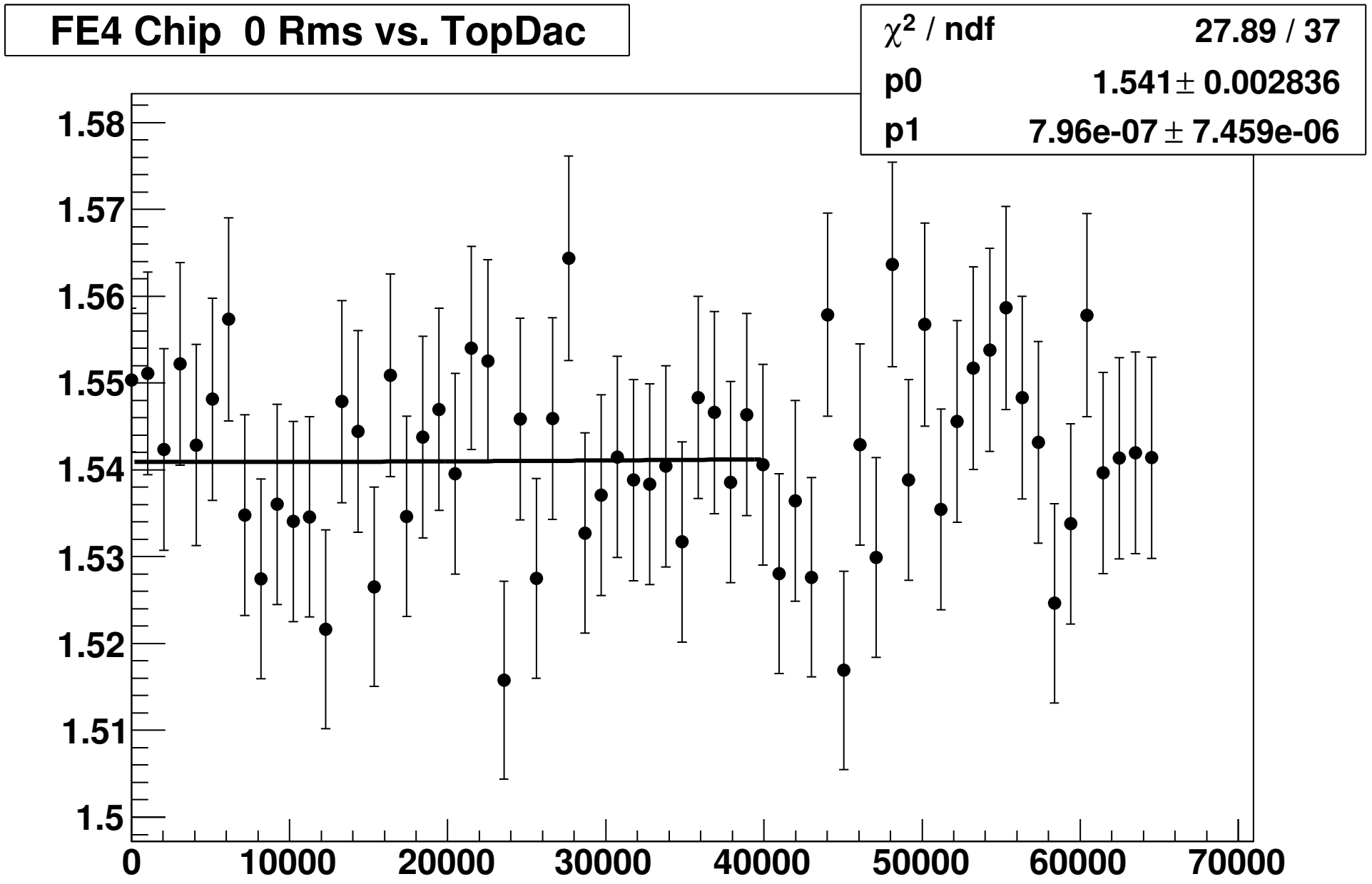
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 27.89 / 37
p0 1.541 ± 0.002836
p1 7.96e-07 ± 7.459e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
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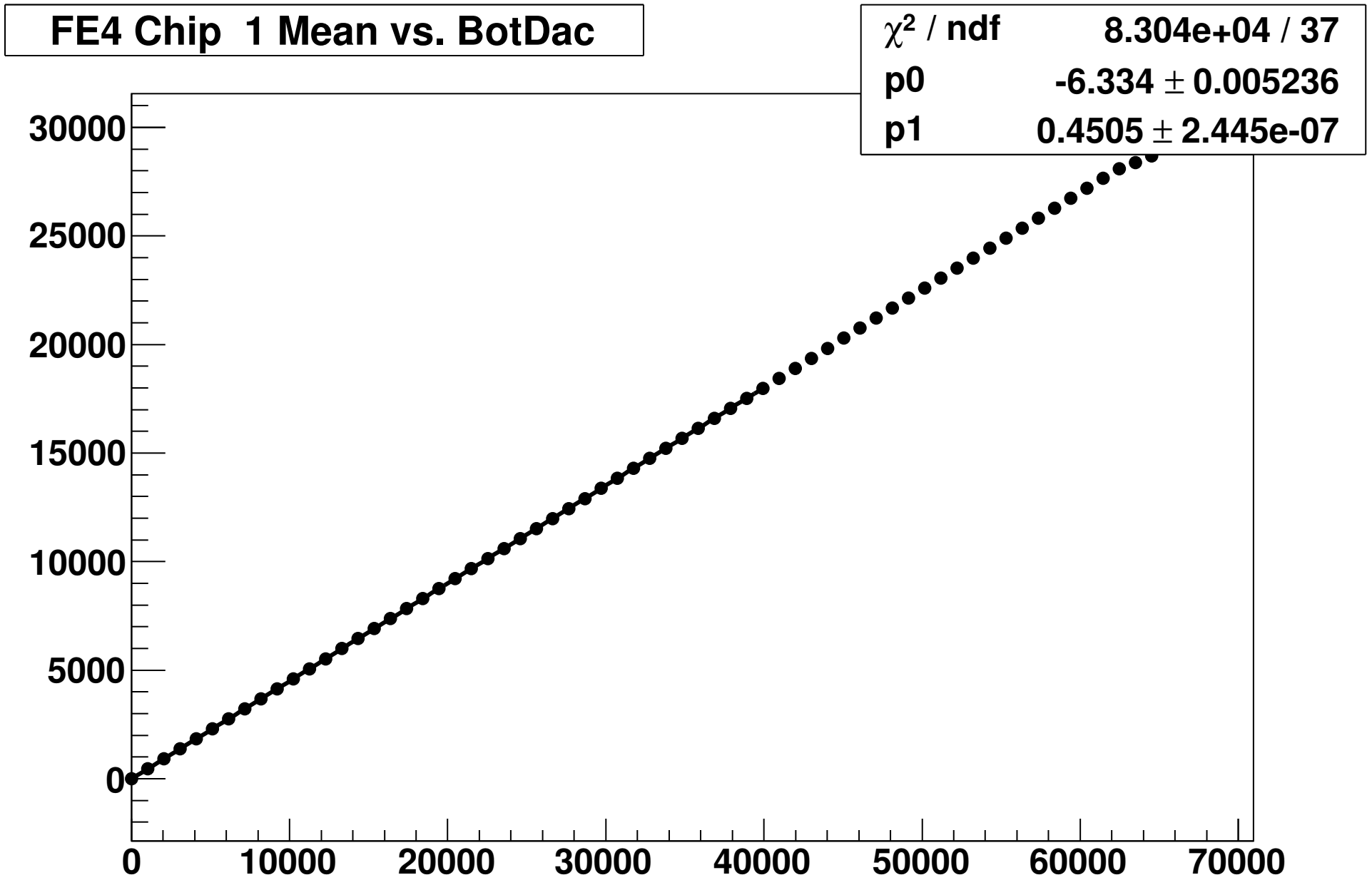
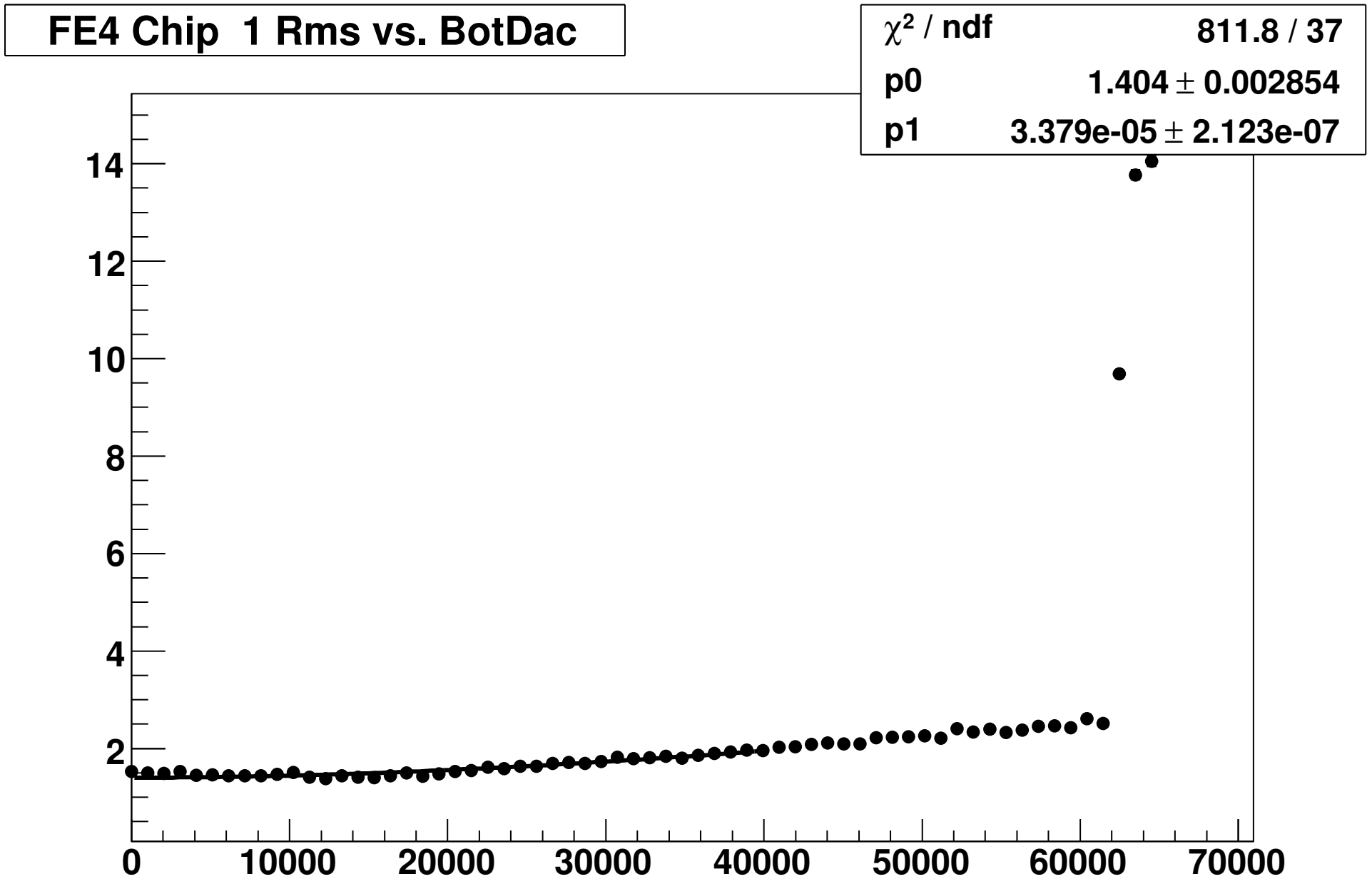
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 8.304e+04 / 37
p0 -6.334 ± 0.005236
p1 0.4505 ± 2.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 811.8 / 37
p0 1.404 ± 0.002854
p1 3.379e-05 ± 2.123e-07
14
12
10
8
6
4
2
0
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20000
30000
40000
50000
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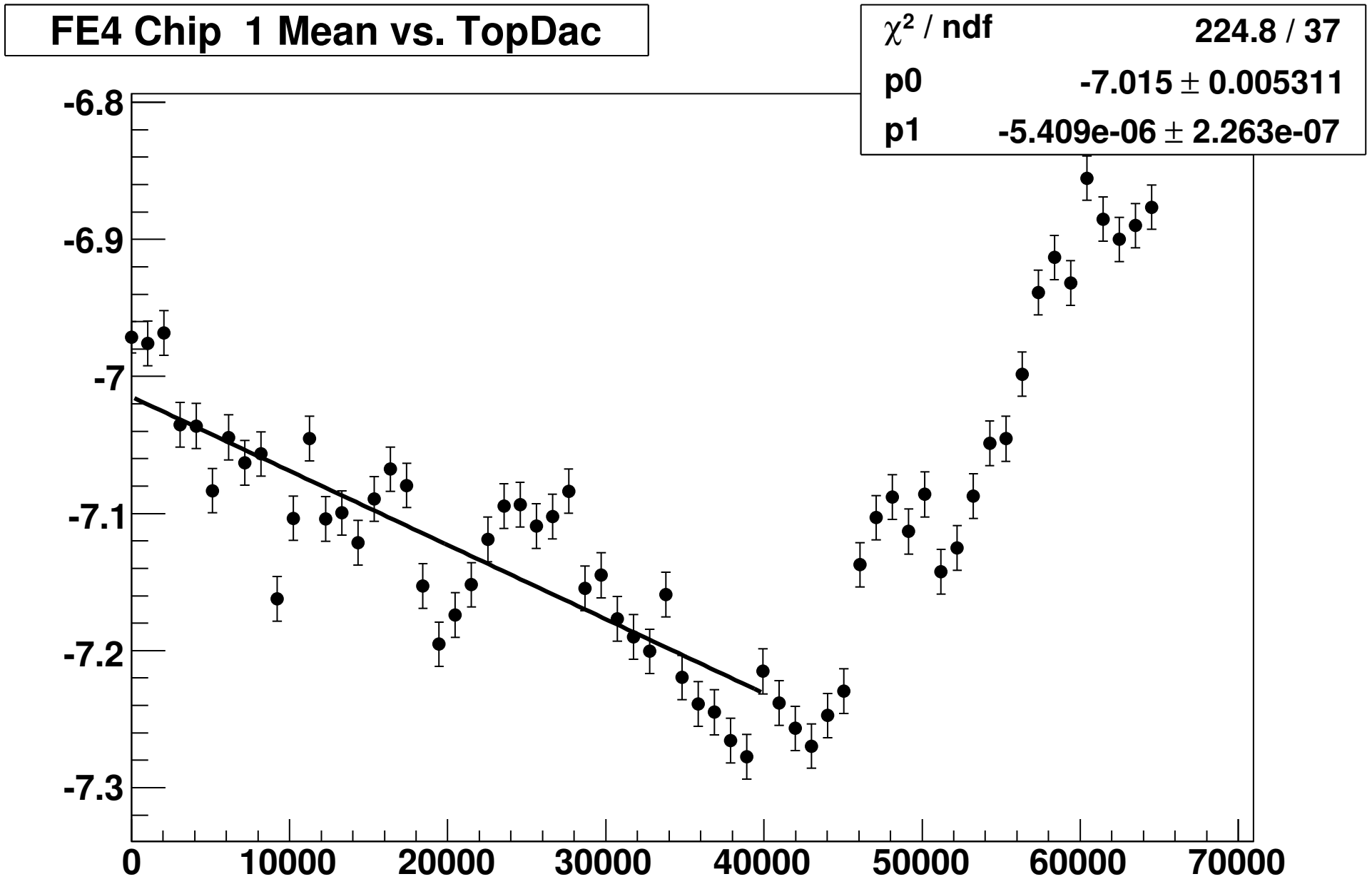
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 224.8 / 37
p0 -7.015 ± 0.005311
p1 -5.409e-06 ± 2.263e-07
-6.8
-6.9
-7
-7.1
-7.2
-7.3
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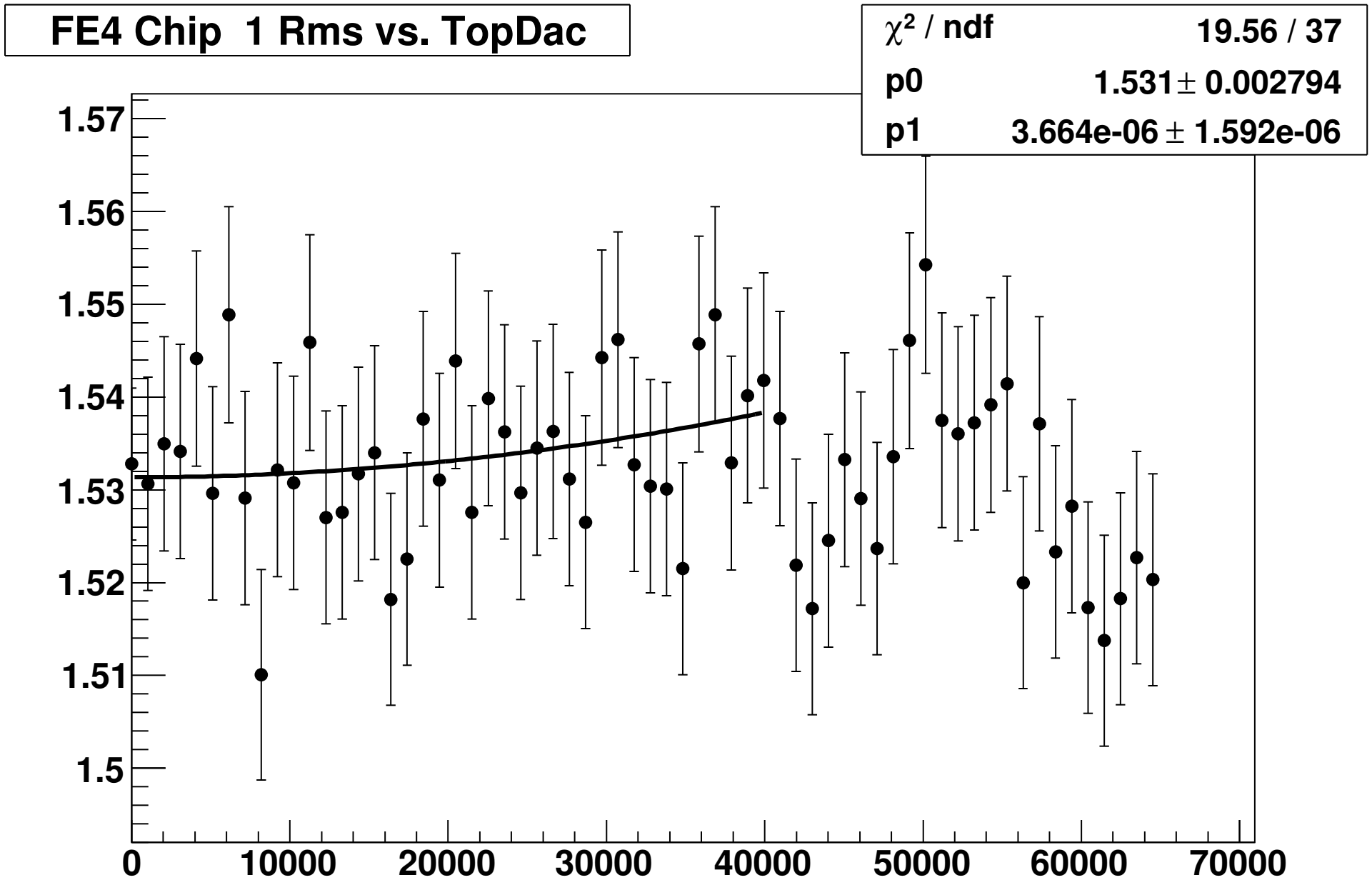
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 19.56 / 37
p0 1.531 ± 0.002794
p1 3.664e-06 ± 1.592e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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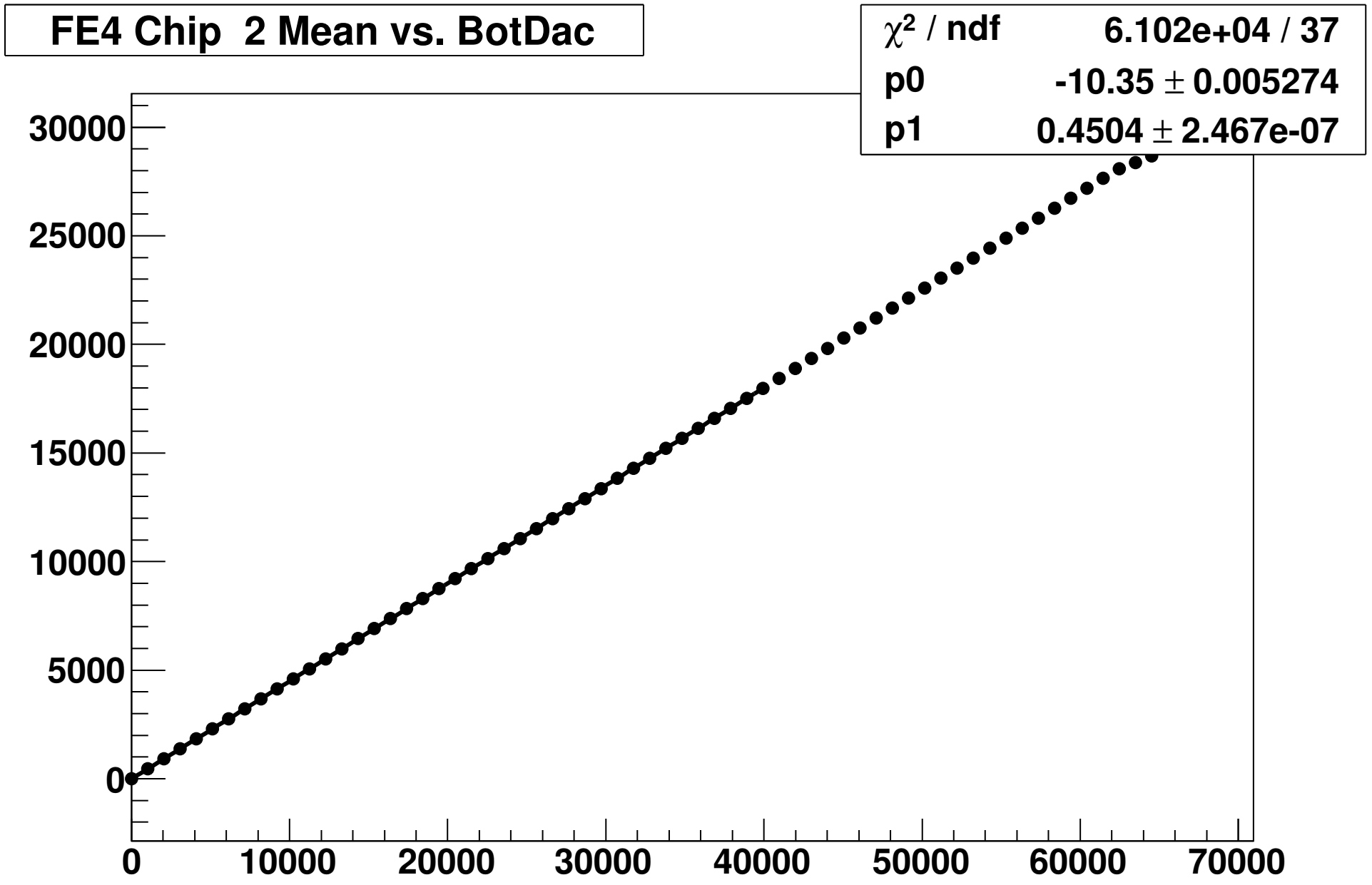
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 6.102e+04 / 37
p0 -10.35 ± 0.005274
p1 0.4504 ± 2.467e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
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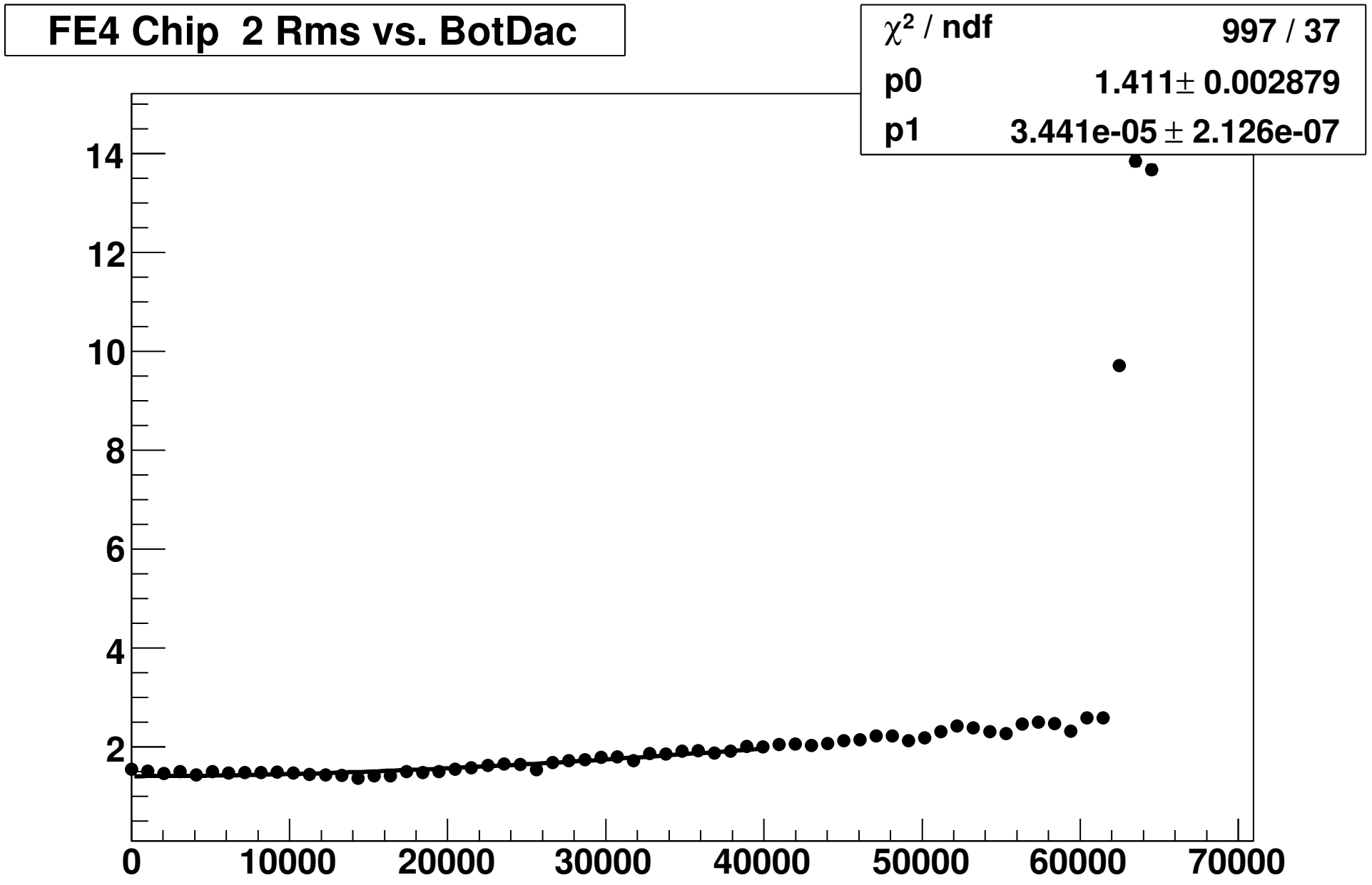
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 997 / 37
p0 1.411 ± 0.002879
p1 3.441e-05 ± 2.126e-07
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12
10
8
6
4
2
0
10000
20000
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50000
60000
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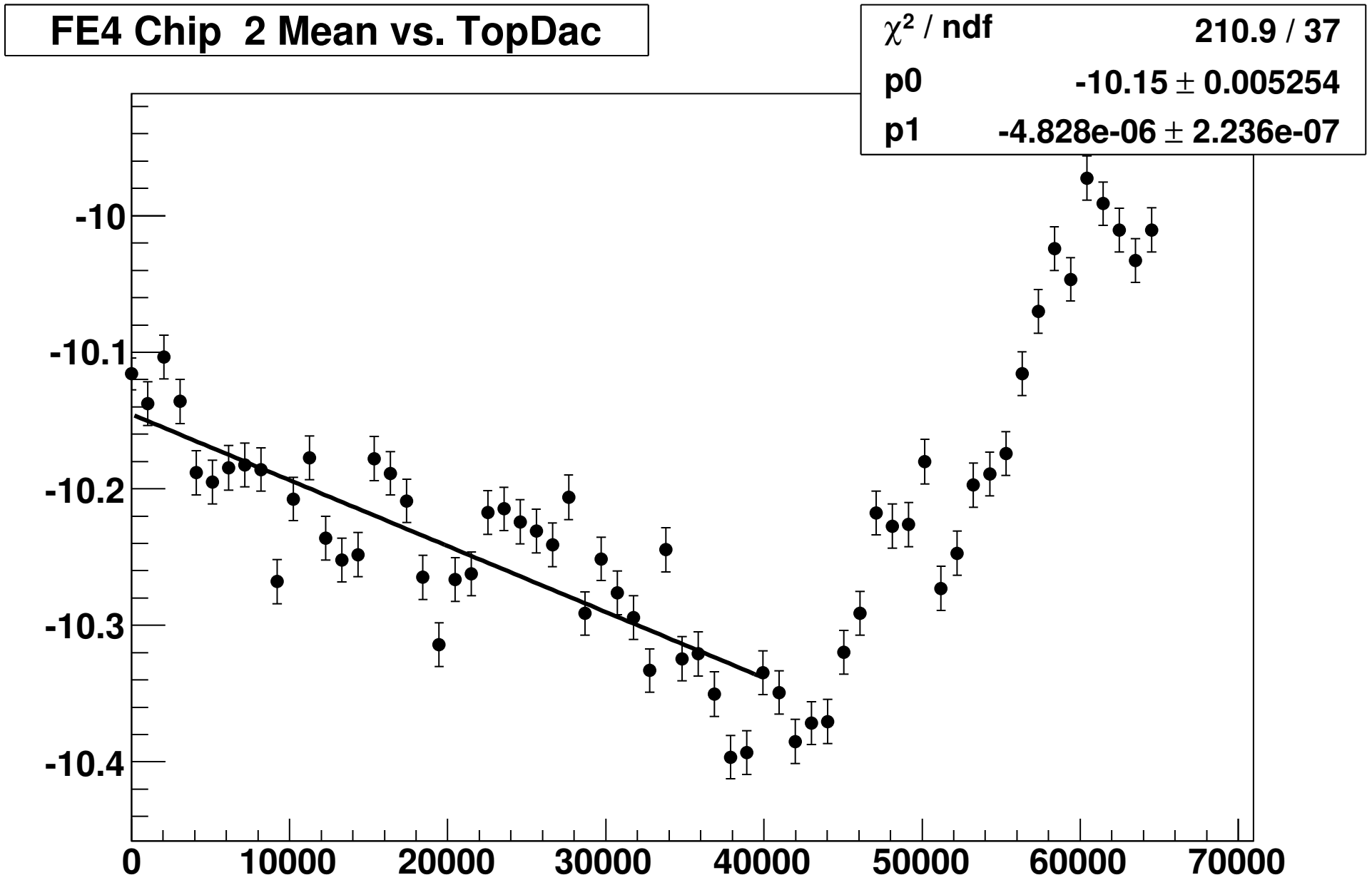
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 210.9 / 37
p0 -10.15 ± 0.005254
p1 -4.828e-06 ± 2.236e-07
-10
-10.1
-10.2
-10.3
-10.4
0
10000
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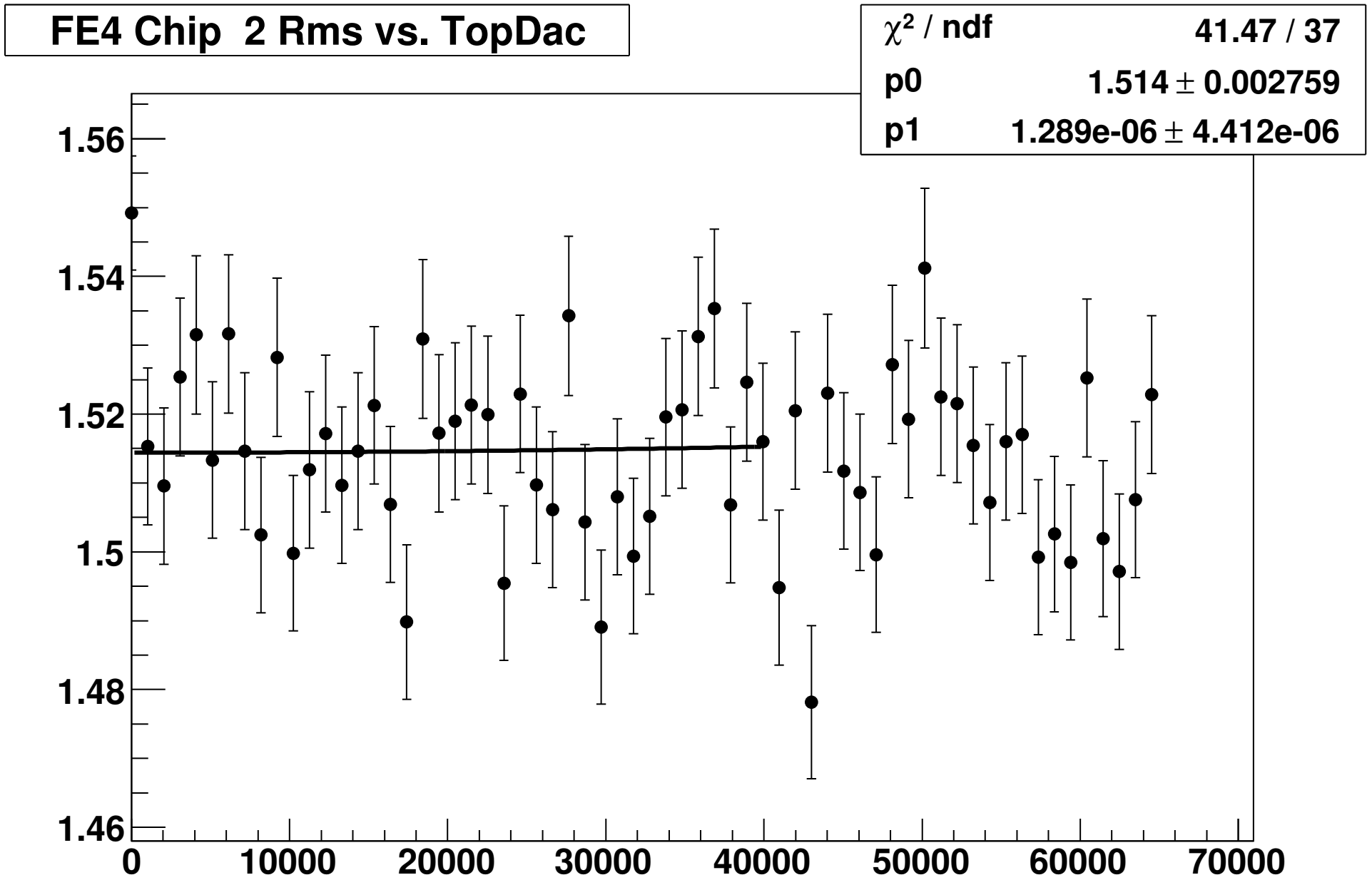
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 41.47 / 37
p0 1.514 ± 0.002759
p1 1.289e-06 ± 4.412e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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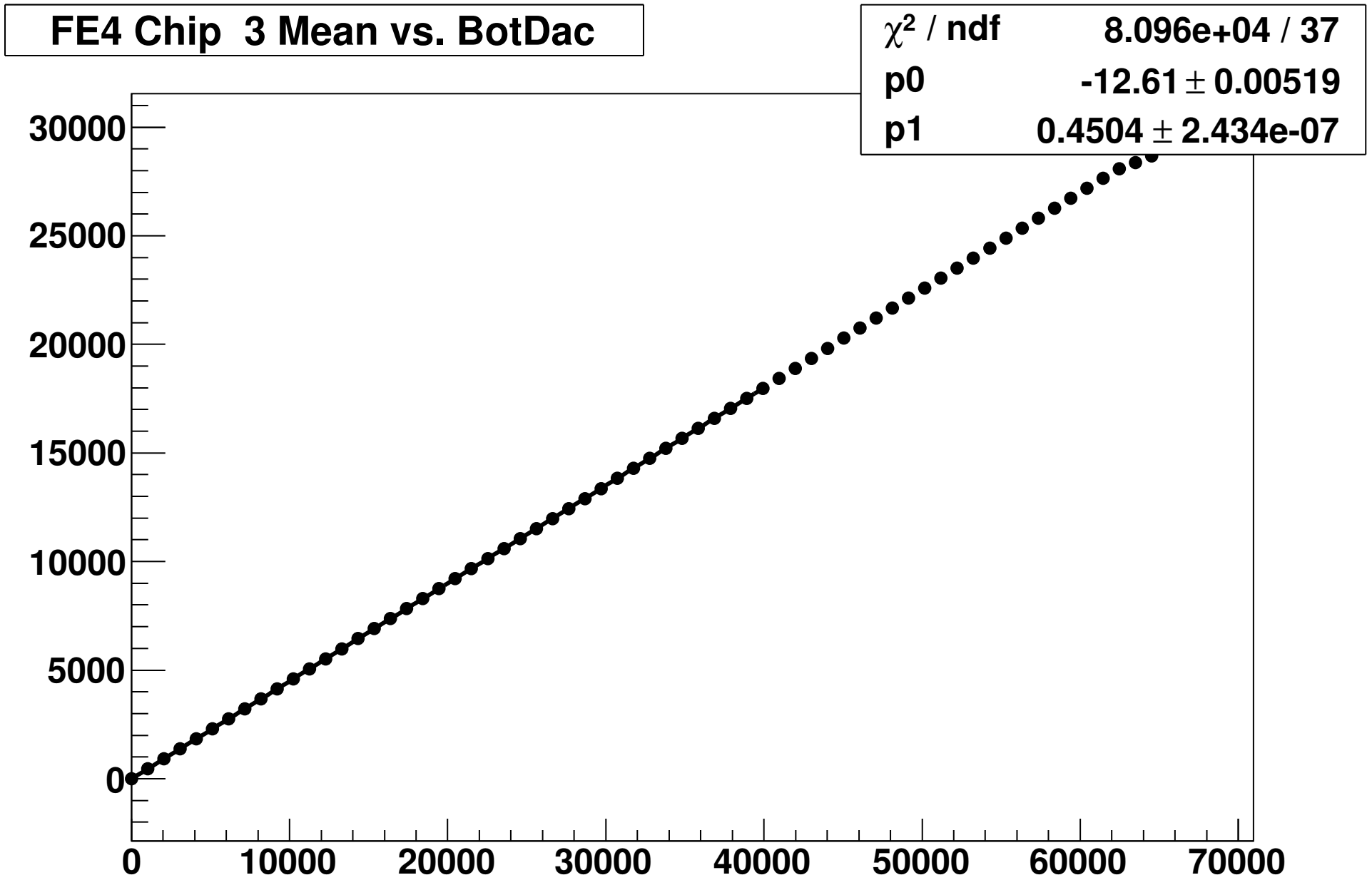
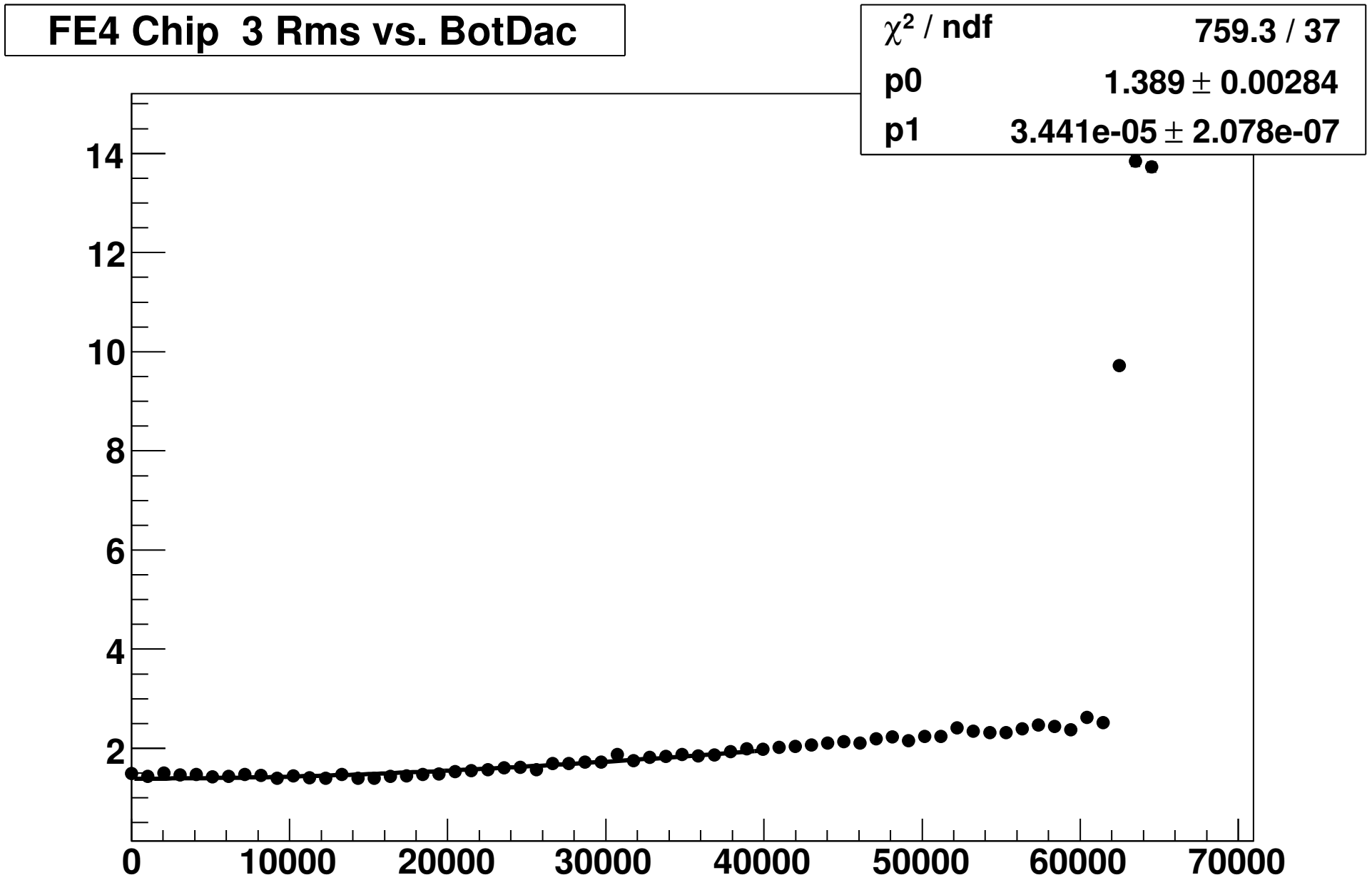
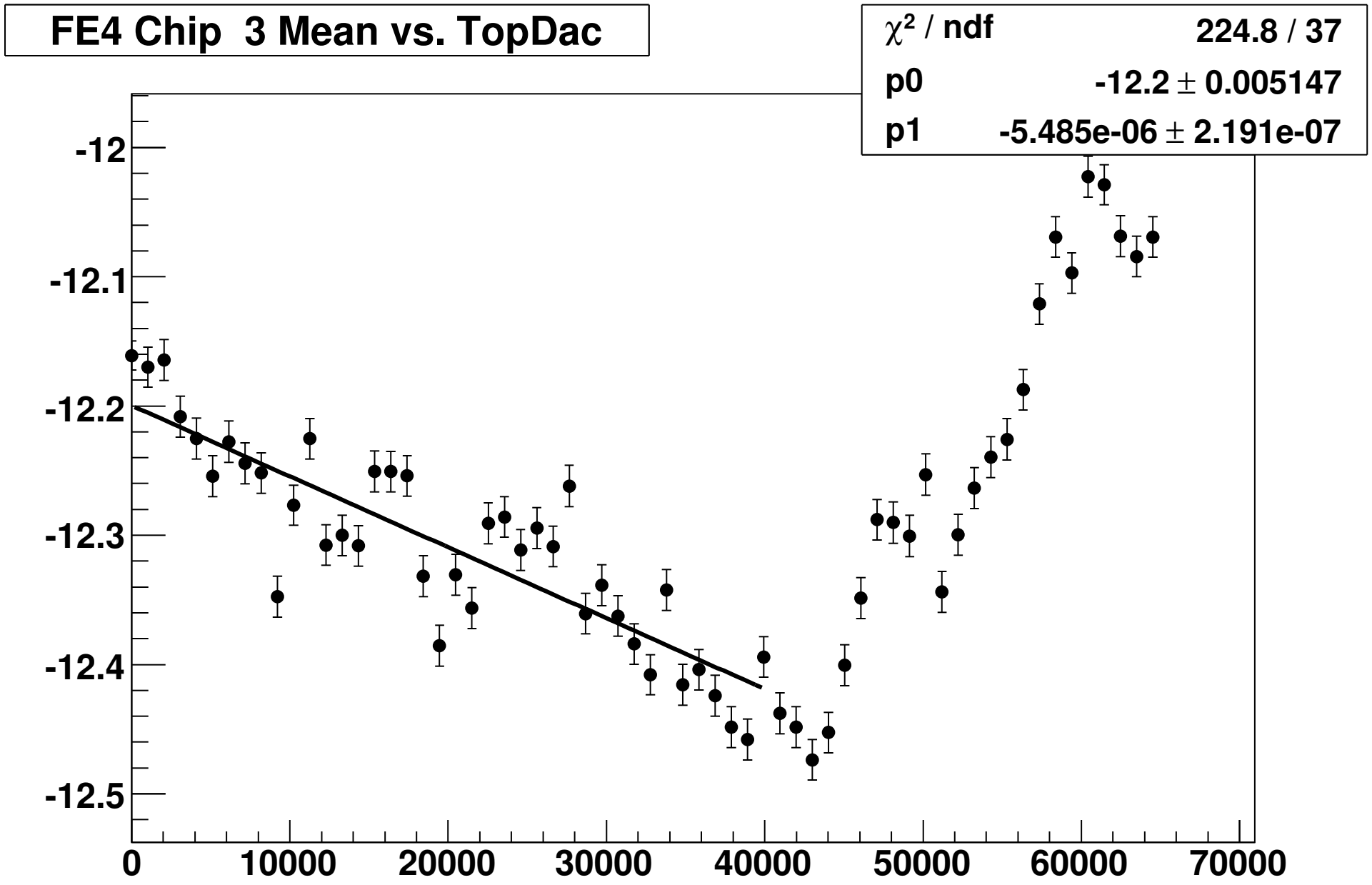

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 8.096e+04 / 37
p0 -12.61 ± 0.00519
p1 0.4504 ± 2.434e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 759.3 / 37
p0 1.389 ± 0.00284
p1 3.441e-05 ± 2.078e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 224.8 / 37
p0 -12.2 ± 0.005147
p1 -5.485e-06 ± 2.191e-07
-12
-12.1
-12.2
-12.3
-12.4
-12.5
0
10000
20000
30000
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60000
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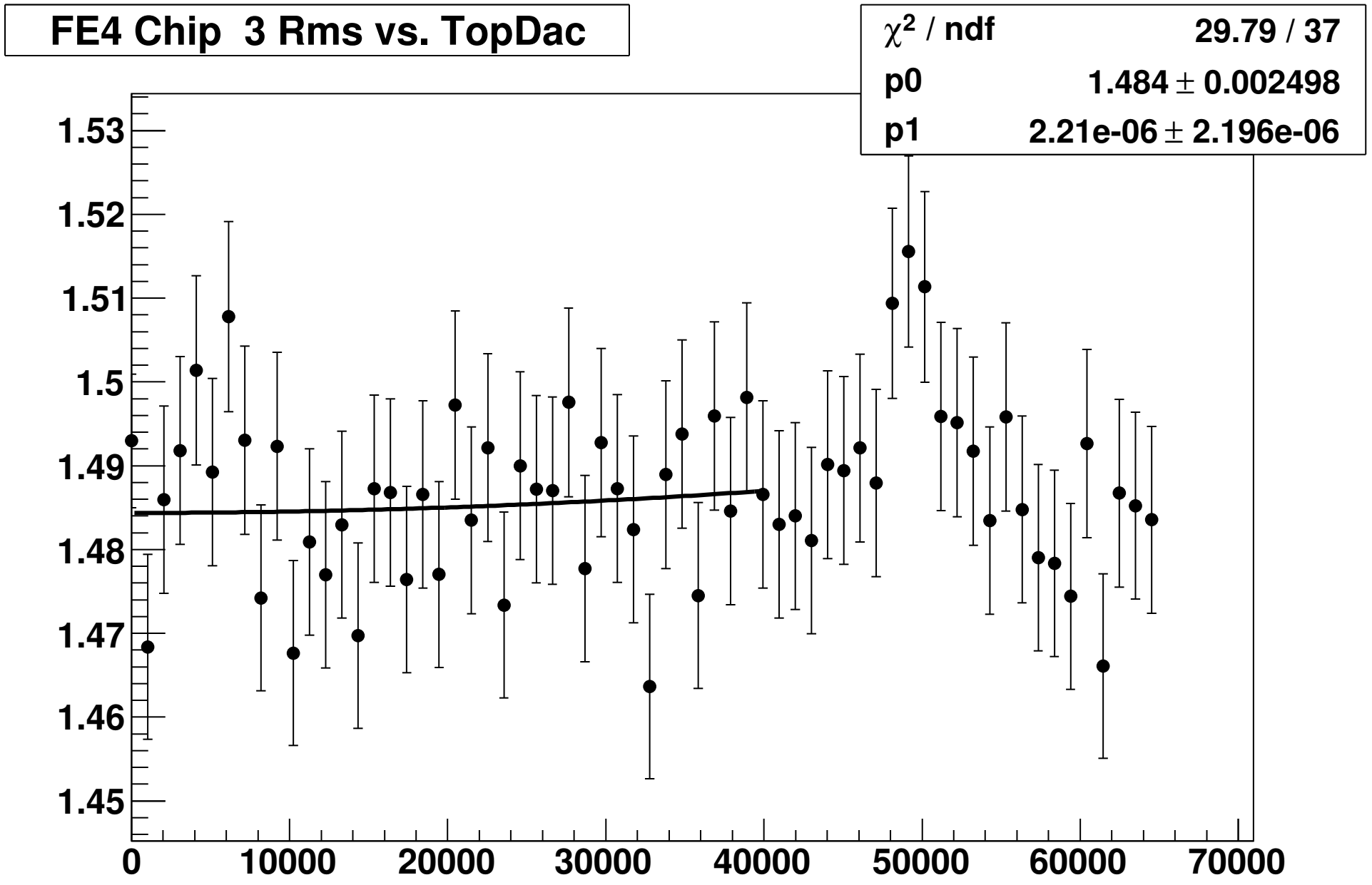
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 29.79 / 37
p0 1.484 ± 0.002498
p1 2.21e-06 ± 2.196e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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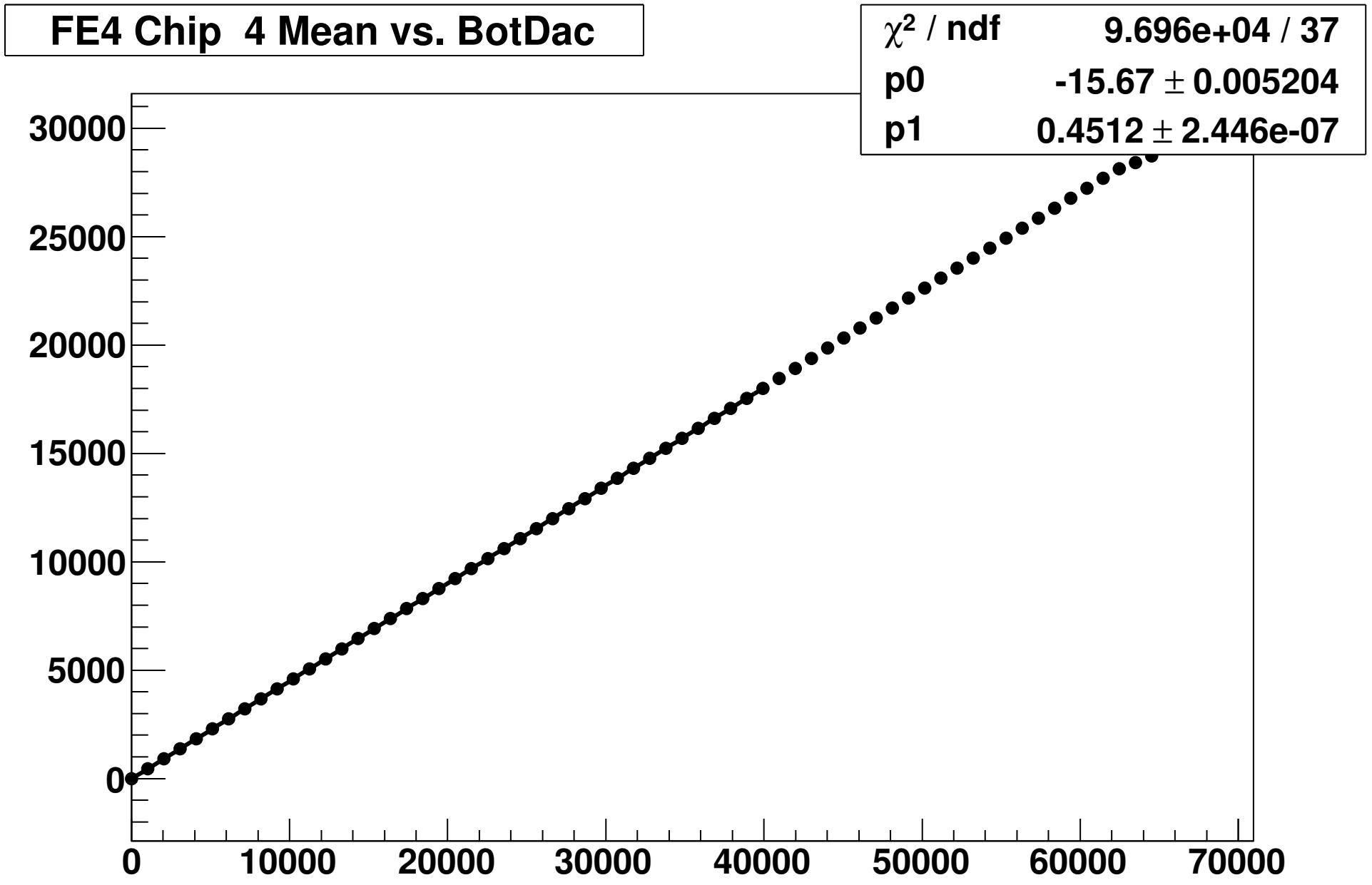
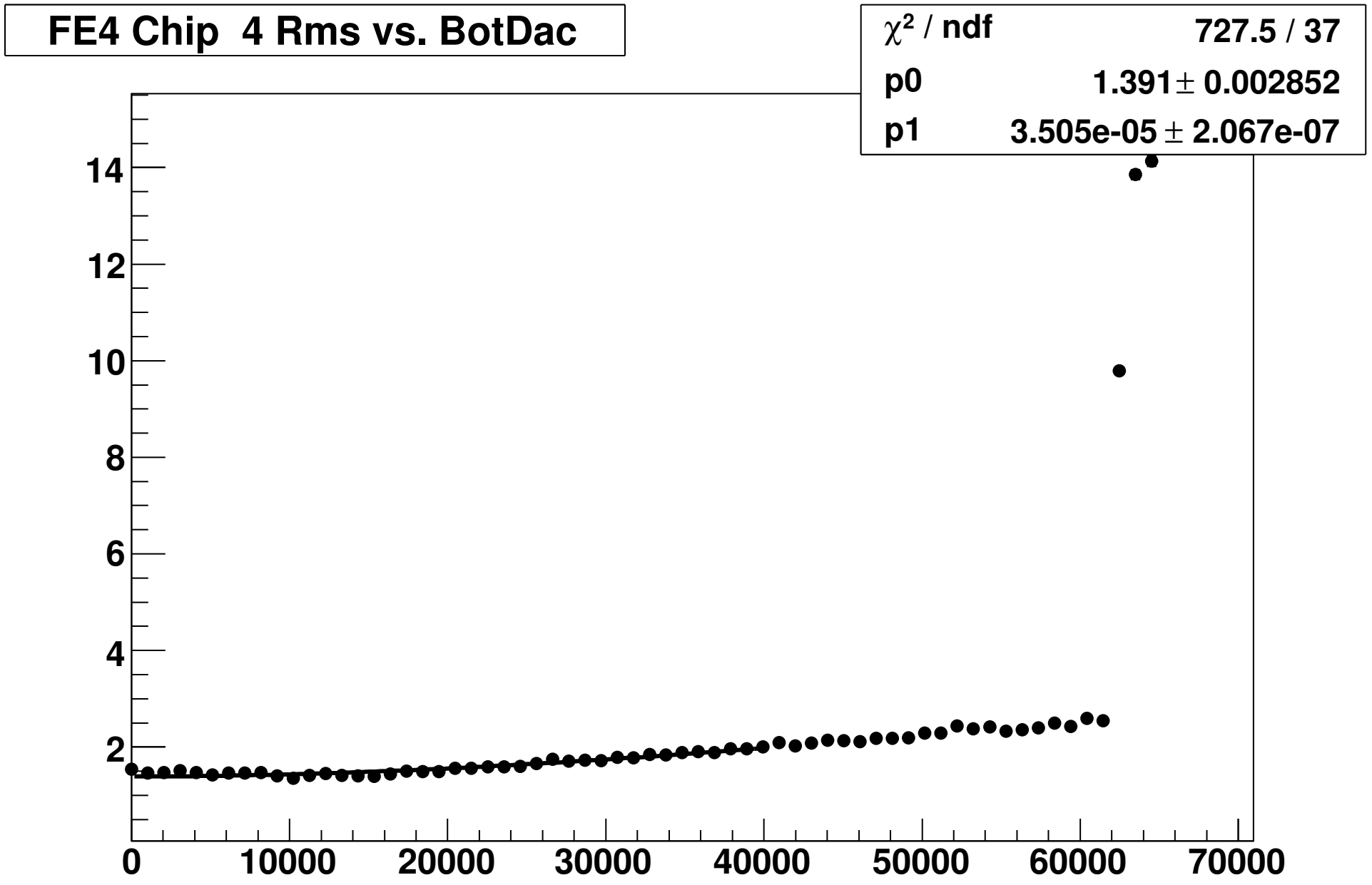

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 9.696e+04 / 37
p0 -15.67 ± 0.005204
p1 0.4512 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 727.5 / 37
p0 1.391 ± 0.002852
p1 3.505e-05 ± 2.067e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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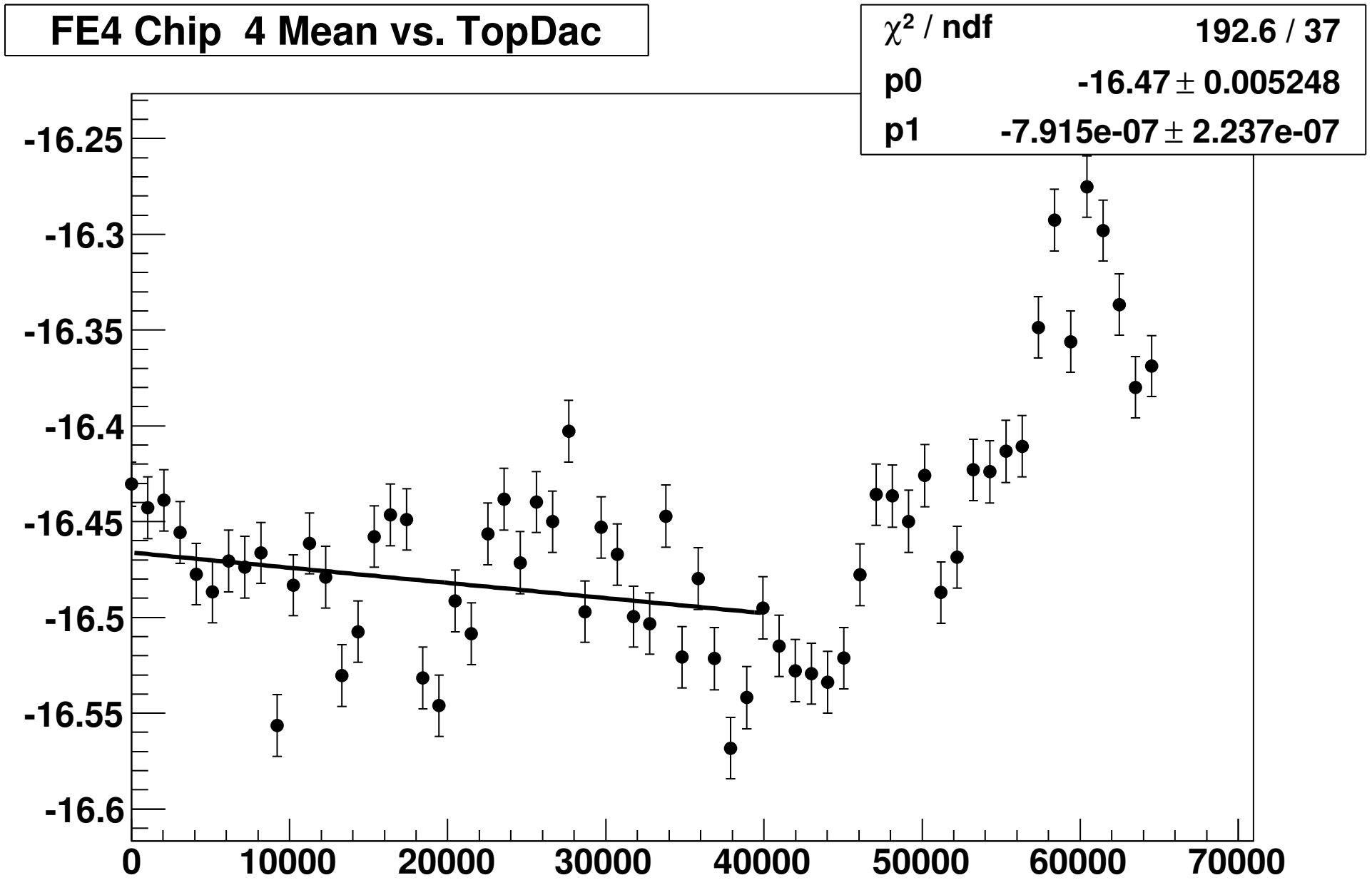
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 192.6 / 37
p0 -16.47 ± 0.005248
p1 -7.915e-07 ± 2.237e-07
-16.25
-16.3
-16.35
-16.4
-16.45
-16.5
-16.55
-16.6
0
10000
20000
30000
40000
50000
60000
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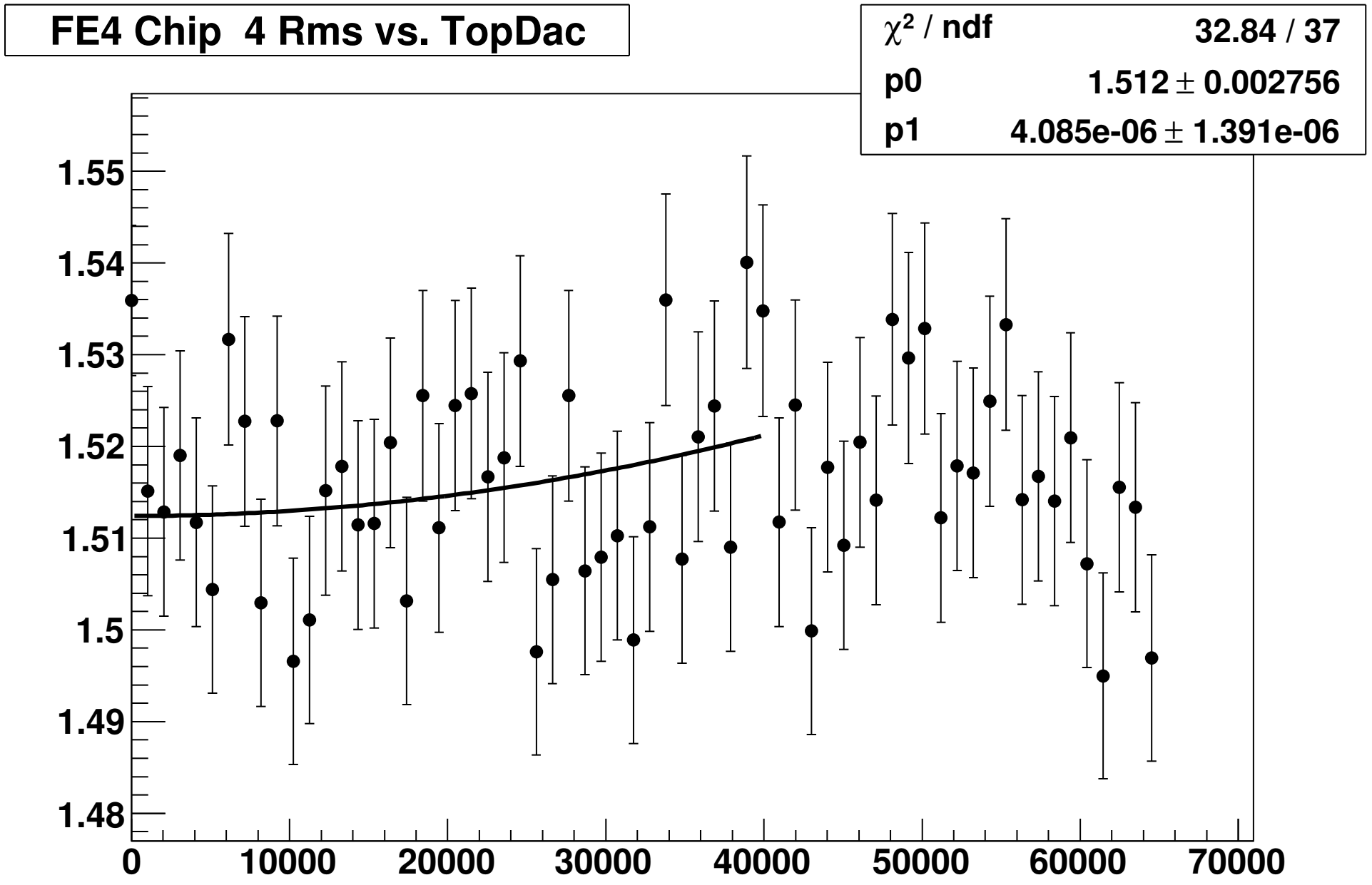
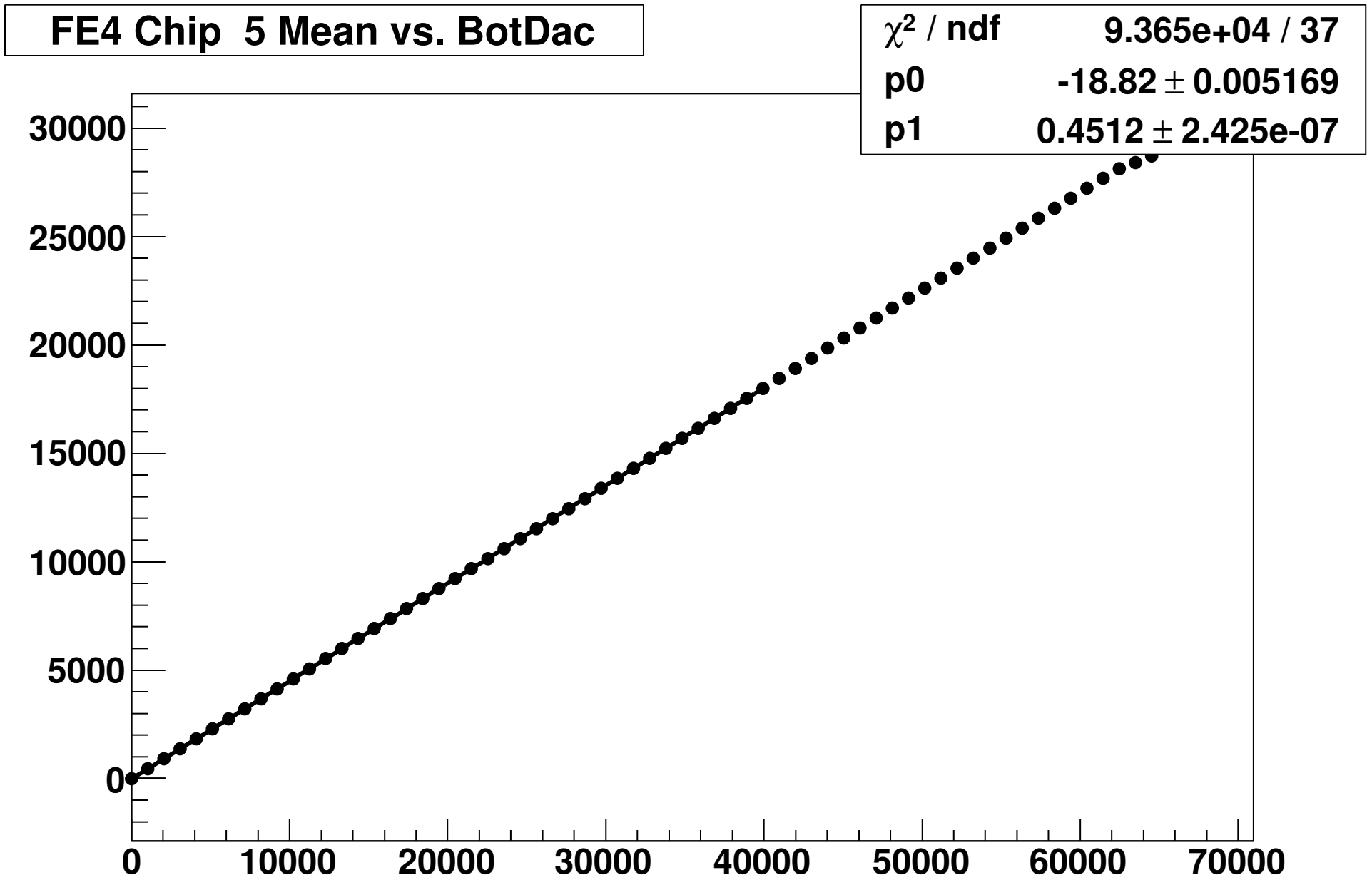
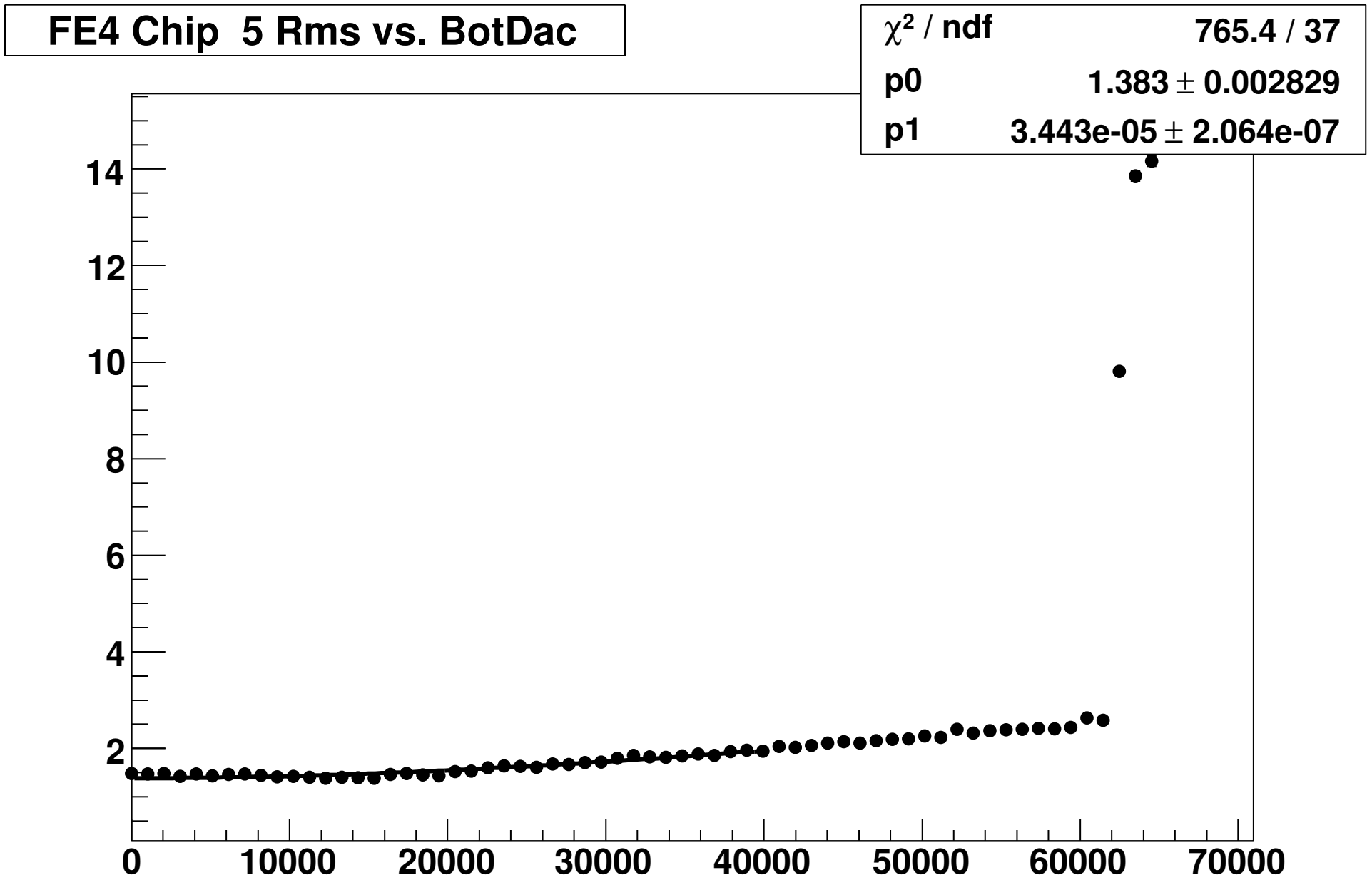
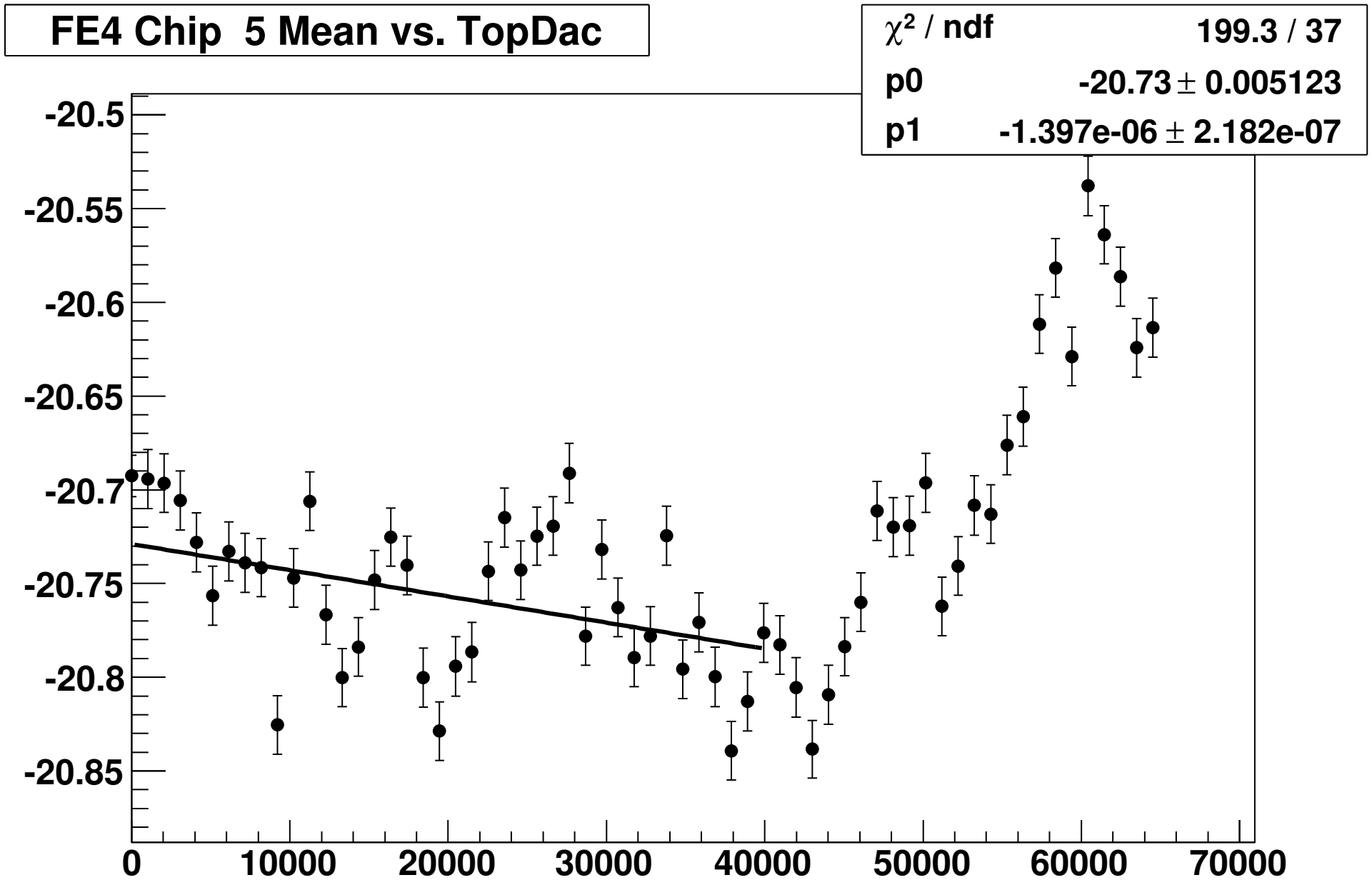
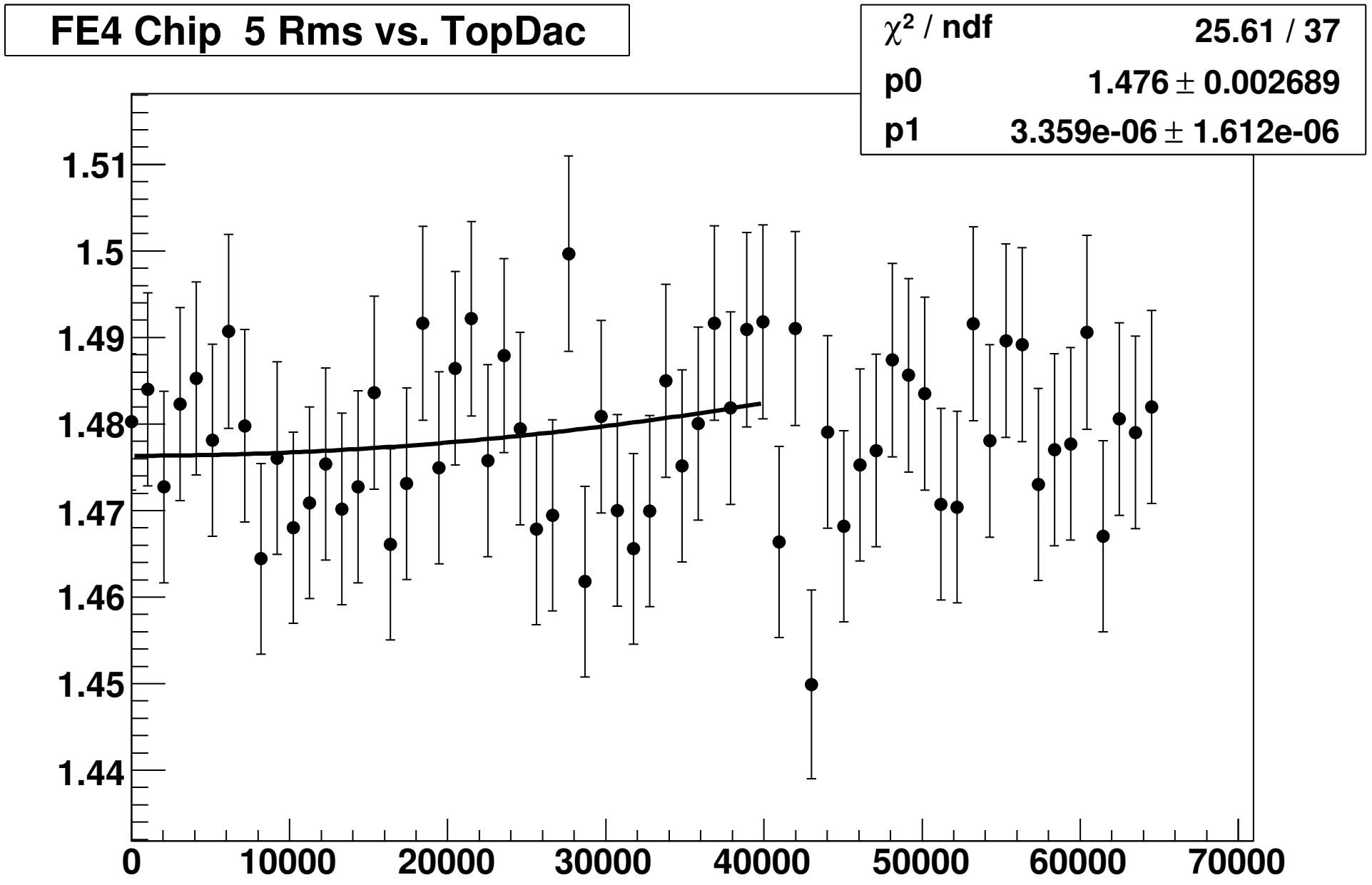
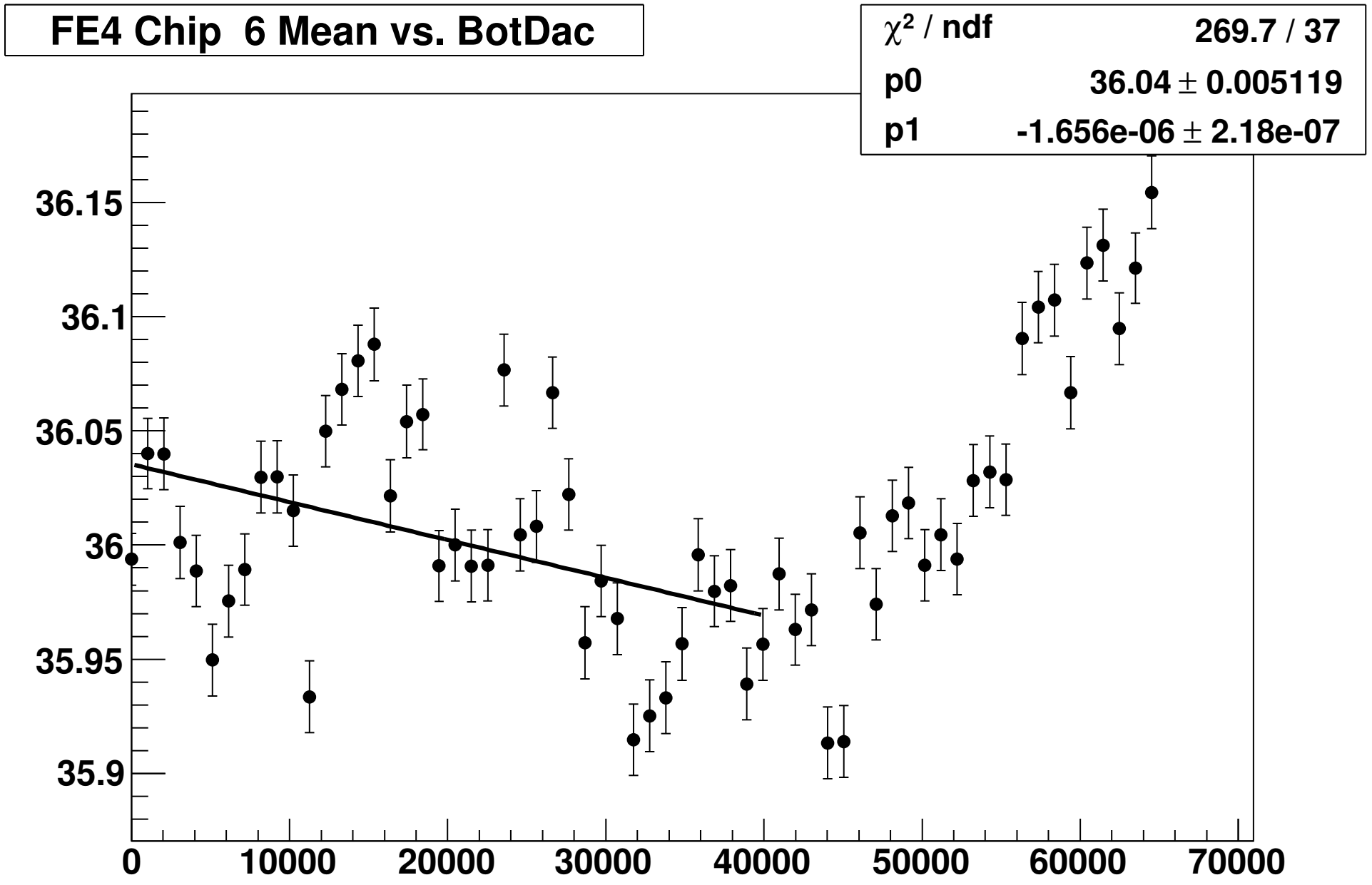

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 32.84 / 37
p0 1.512 ± 0.002756
p1 4.085e-06 ± 1.391e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

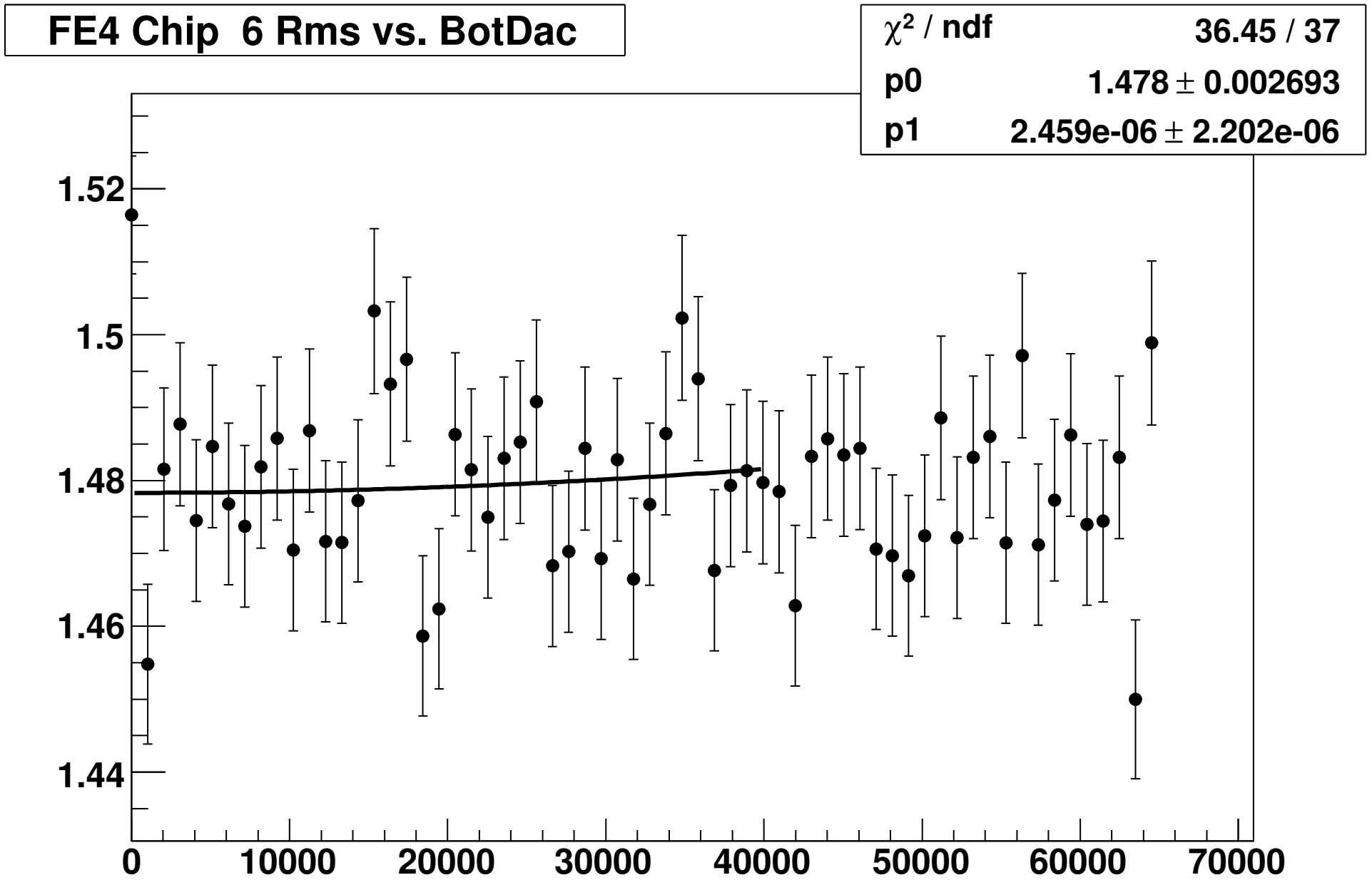

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 9.365e+04 / 37
p0 -18.82 ± 0.005169
p1 0.4512 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 765.4 / 37
p0 1.383 ± 0.002829
p1 3.443e-05 ± 2.064e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 199.3 / 37
p0 -20.73 ± 0.005123
p1 -1.397e-06 ± 2.182e-07
-20.5
-20.55
-20.6
-20.65
-20.7
-20.75
-20.8
-20.85
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 25.61 / 37
p0 1.476 ± 0.002689
p1 3.359e-06 ± 1.612e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 269.7 / 37
p0 36.04 ± 0.005119
p1 -1.656e-06 ± 2.18e-07
36.15
36.1
36.05
36
35.95
35.9
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 36.45 / 37
p0 1.478 ± 0.002693
p1 2.459e-06 ± 2.202e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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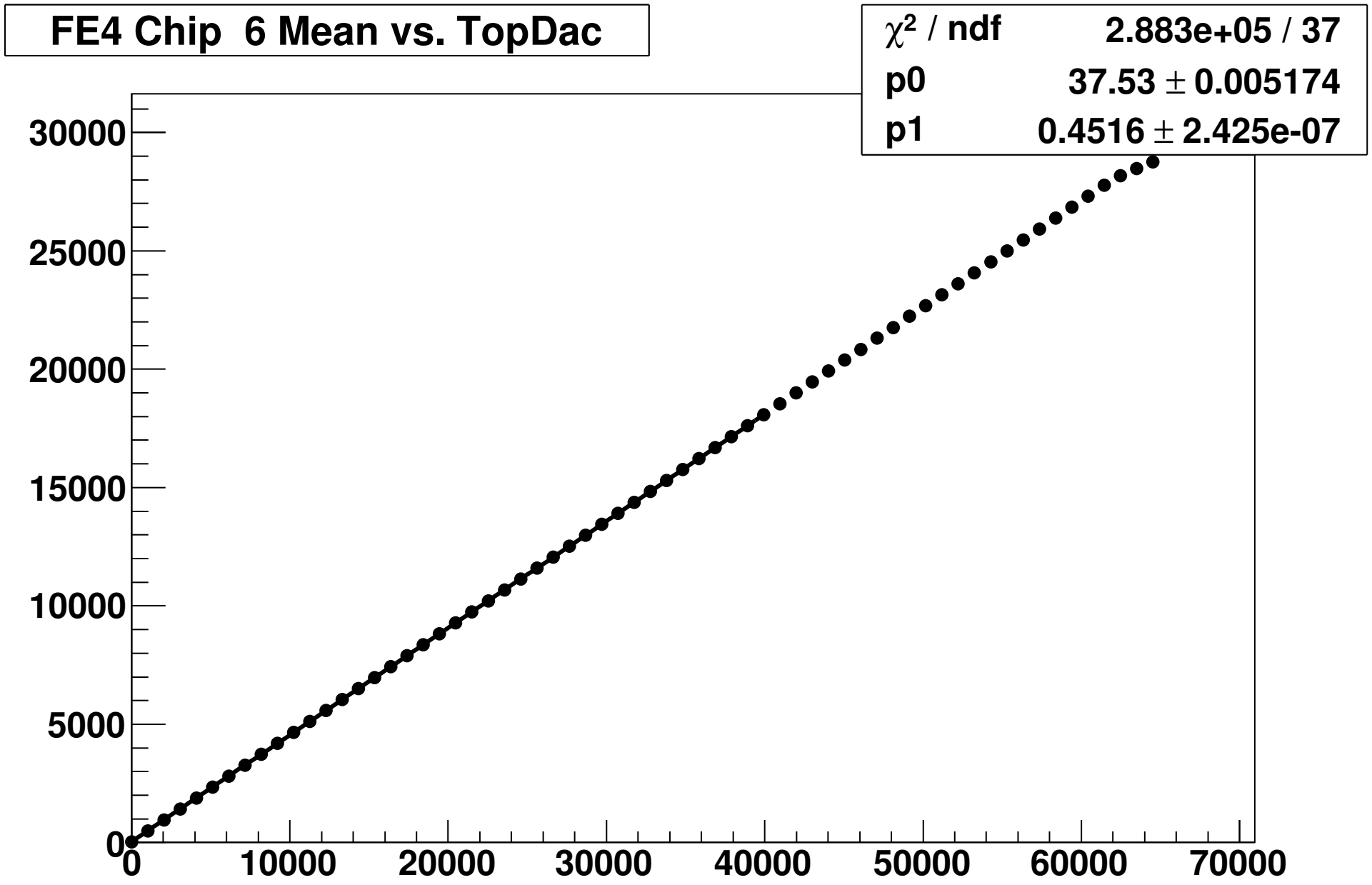
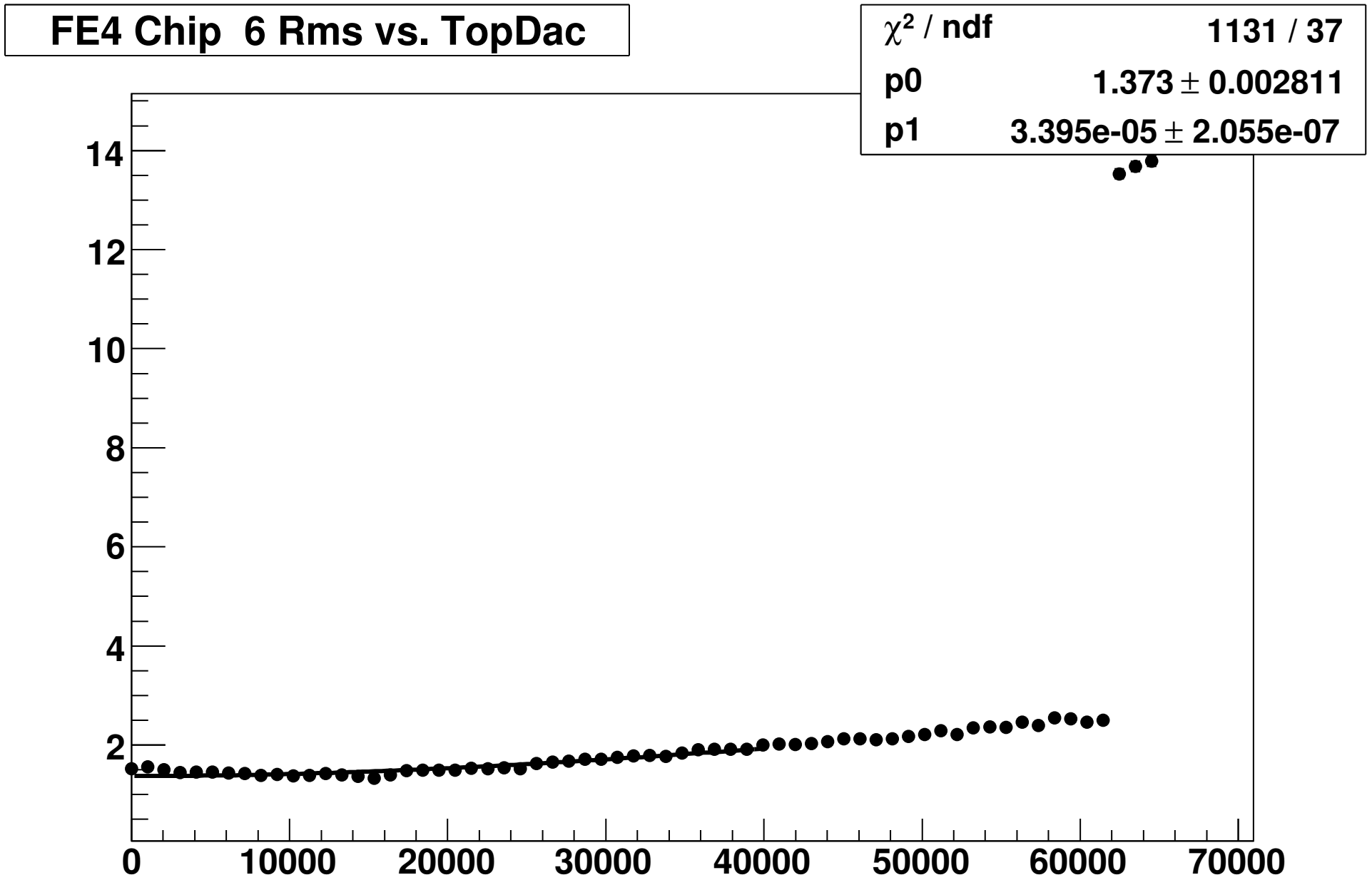
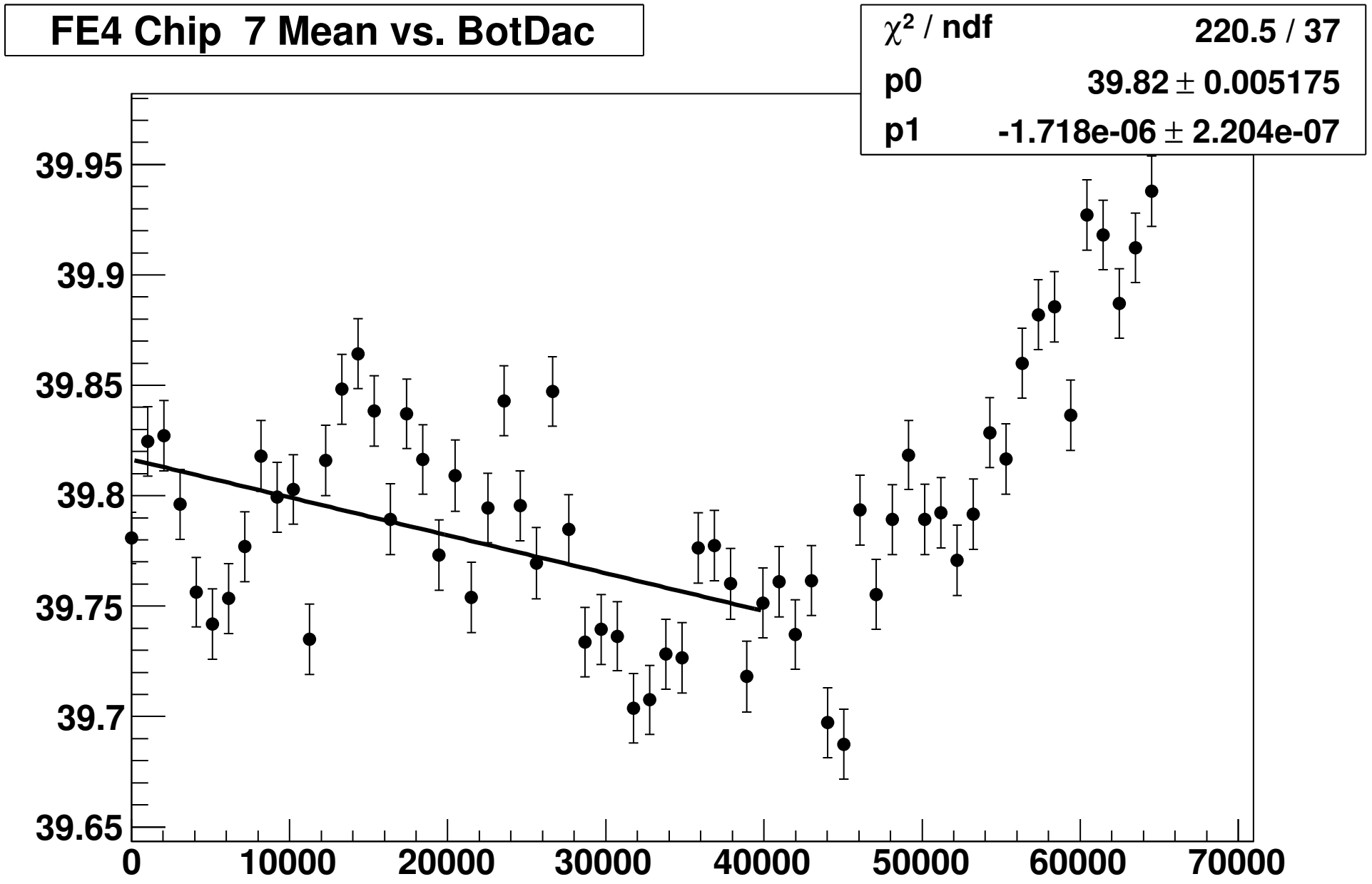
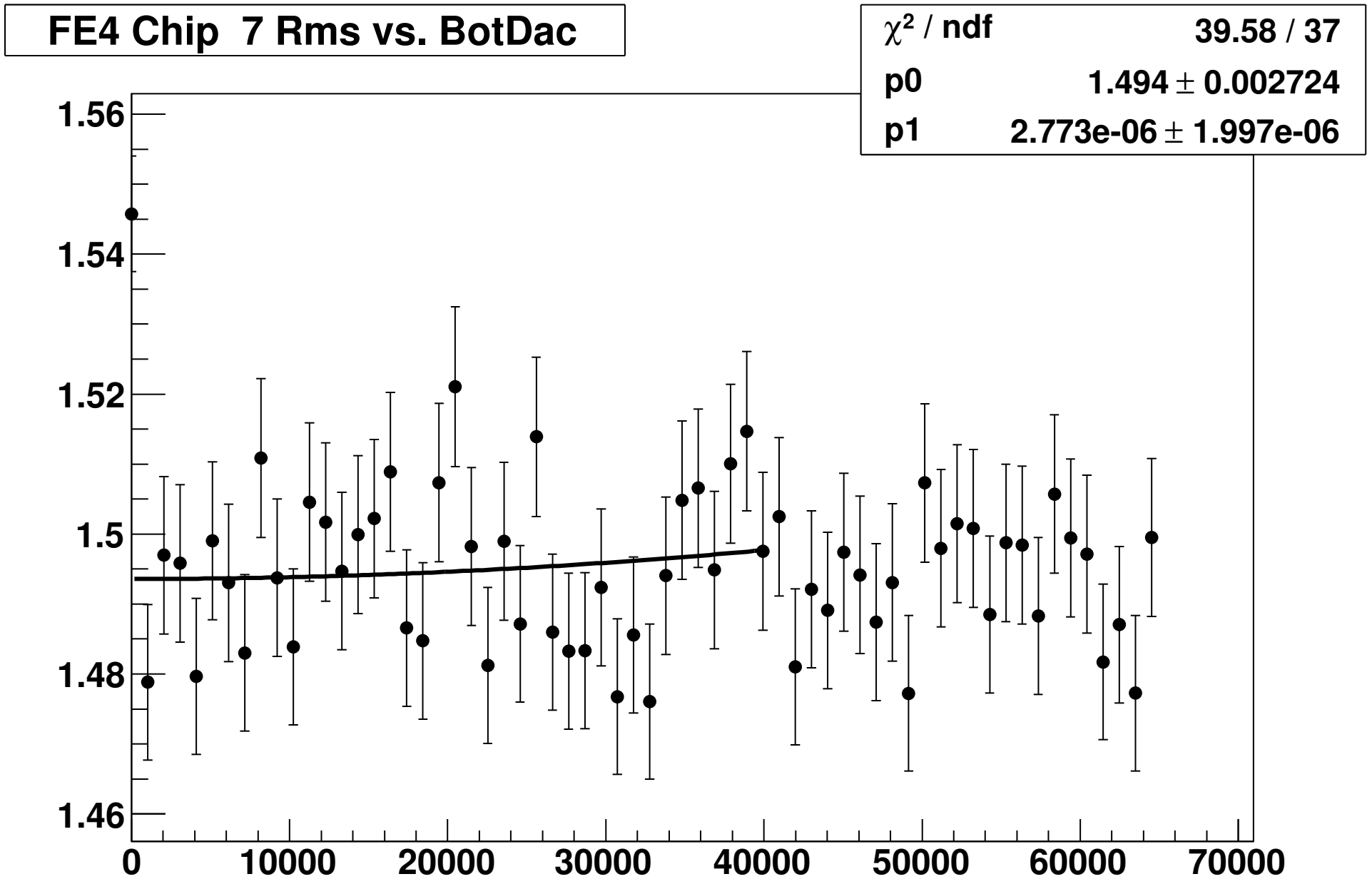
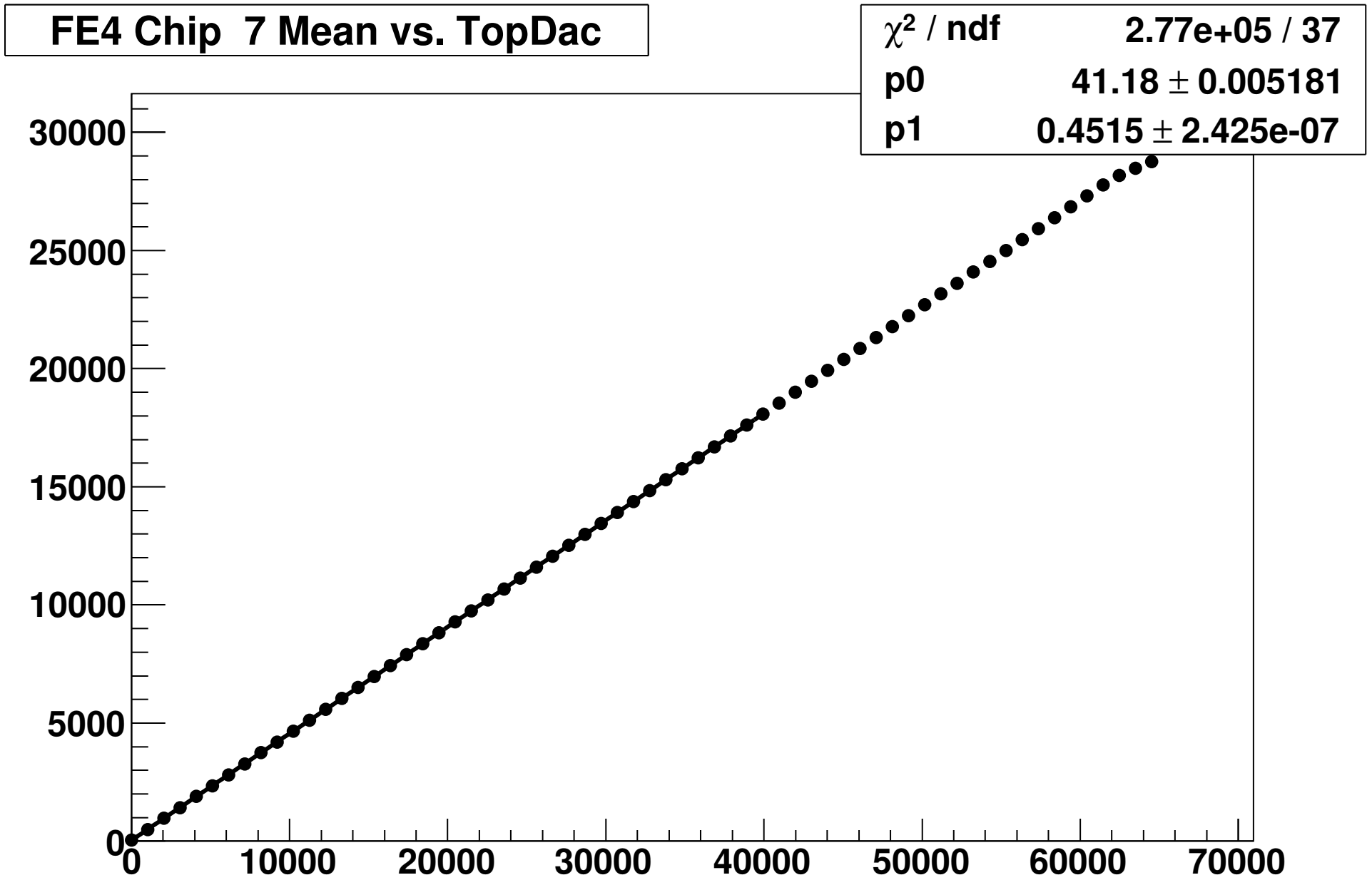
60000
70000

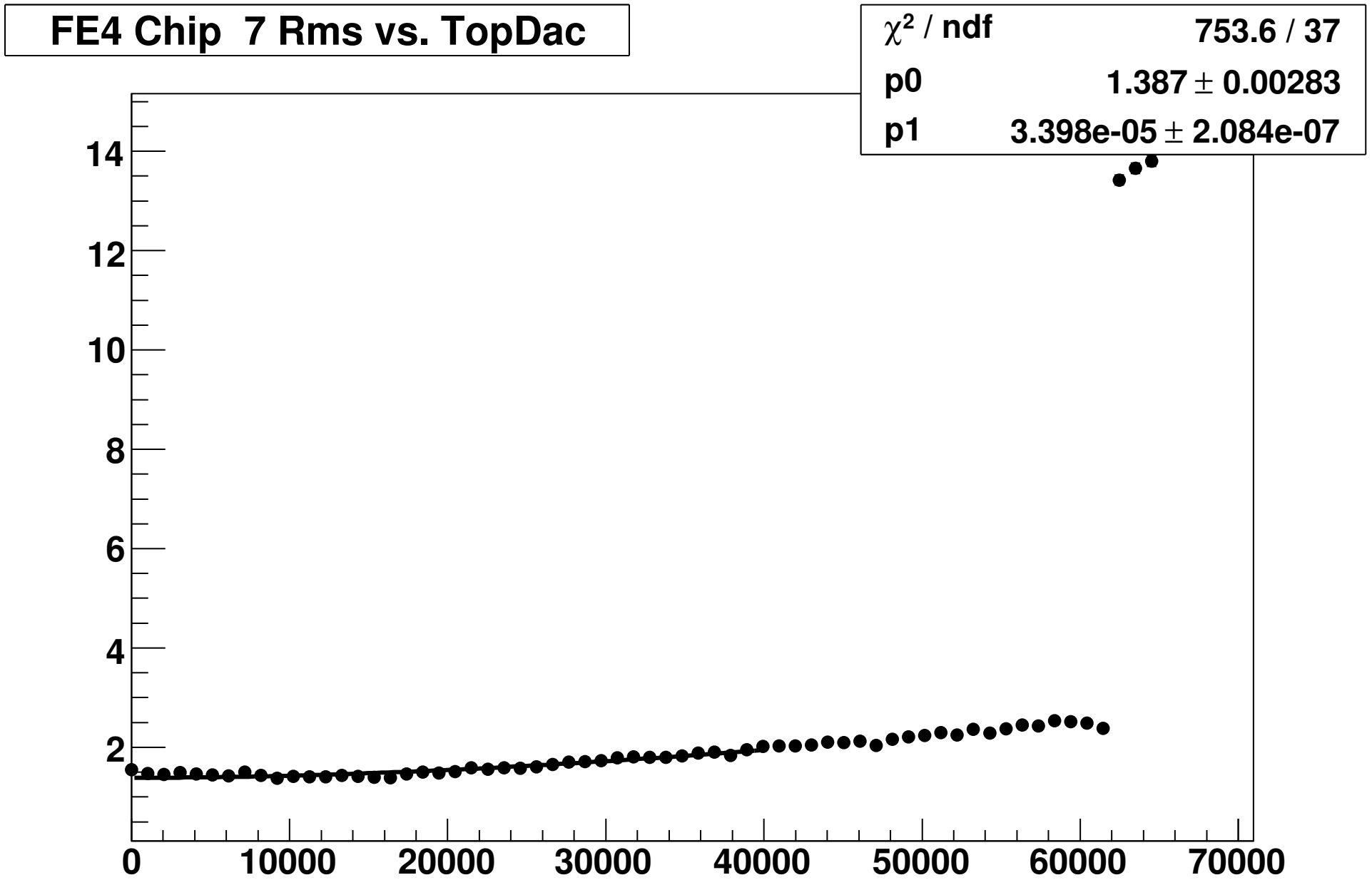

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 2.883e+05 / 37
p0 37.53 ± 0.005174
p1 0.4516 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

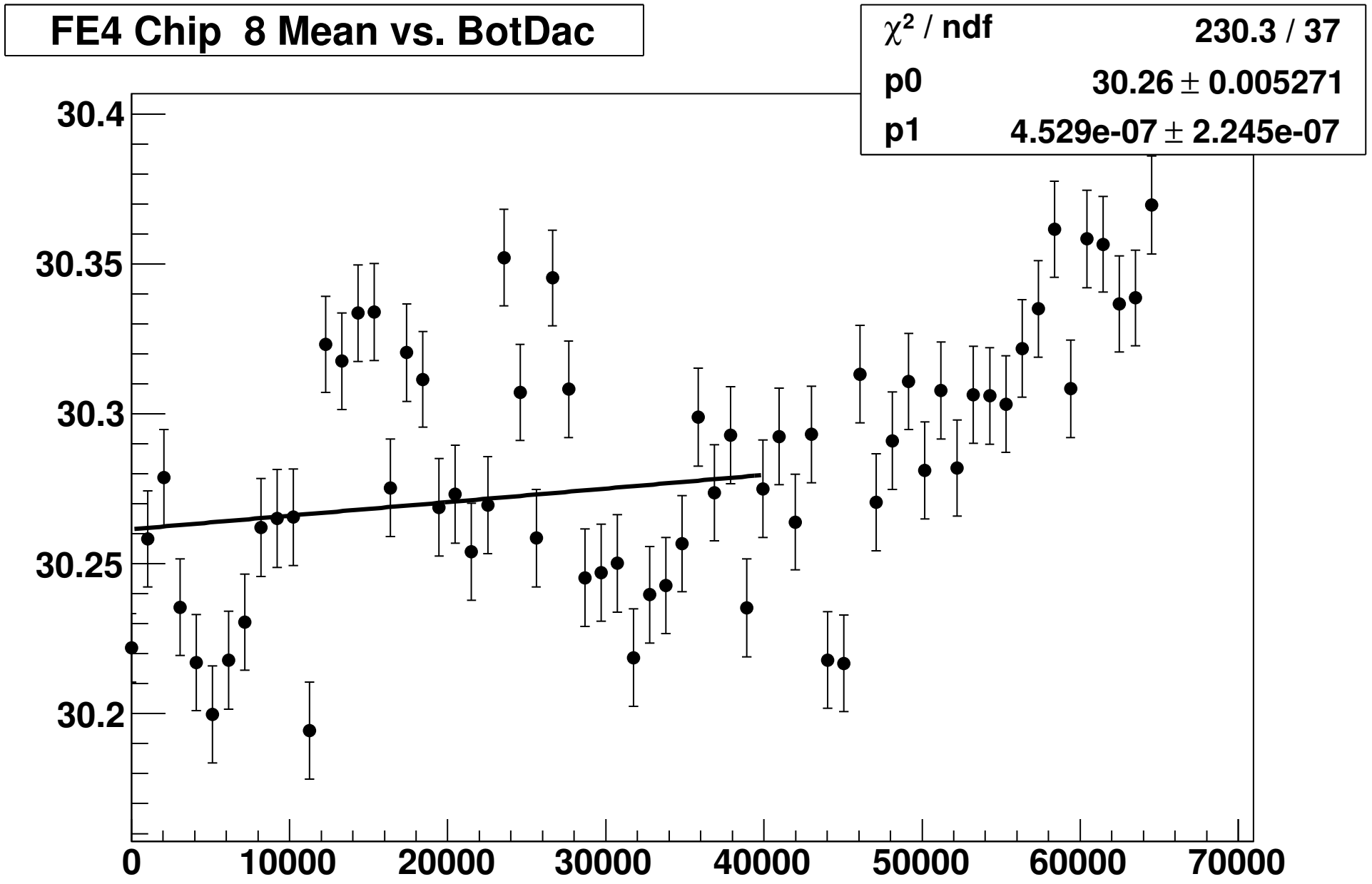

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1131 / 37
p0 1.373 ± 0.002811
p1 3.395e-05 ± 2.055e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

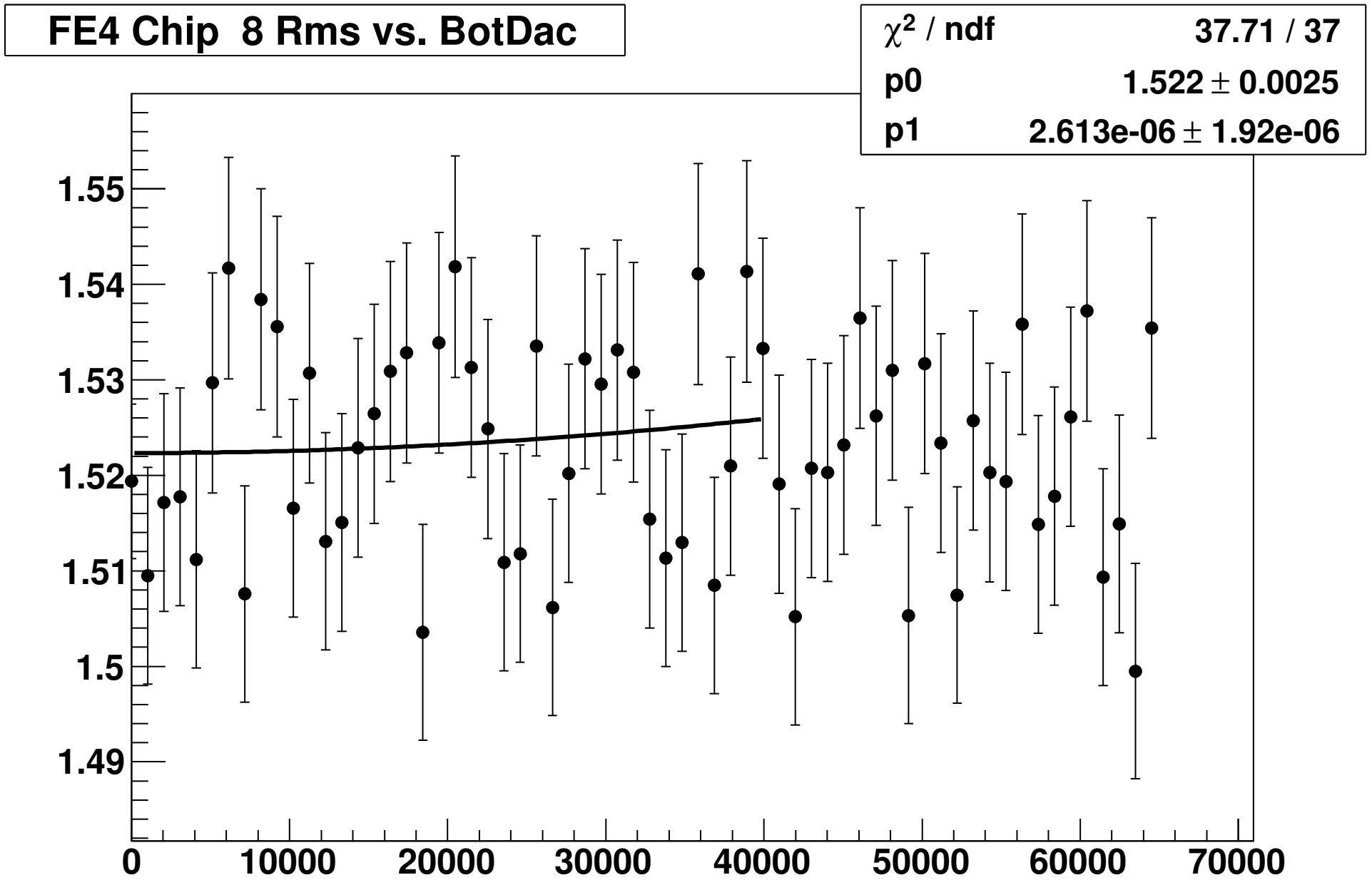

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 220.5 / 37
p0 39.82 ± 0.005175
p1 -1.718e-06 ± 2.204e-07
39.95
39.9
39.85
39.8
39.75
39.7
39.65
0
10000
20000
30000
40000
50000
60000
70000

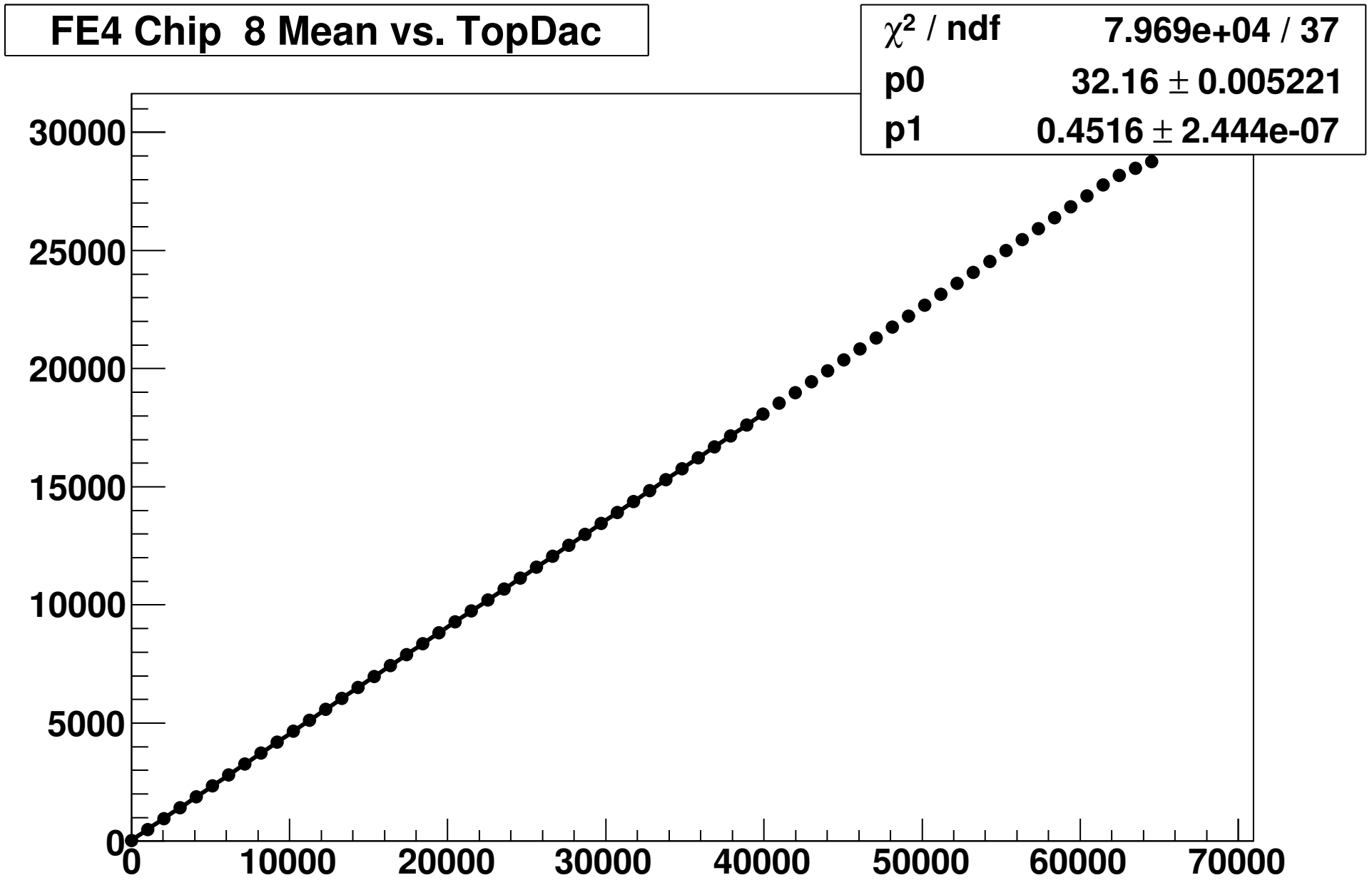

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 39.58 / 37
p0 1.494 ± 0.002724
p1 2.773e-06 ± 1.997e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

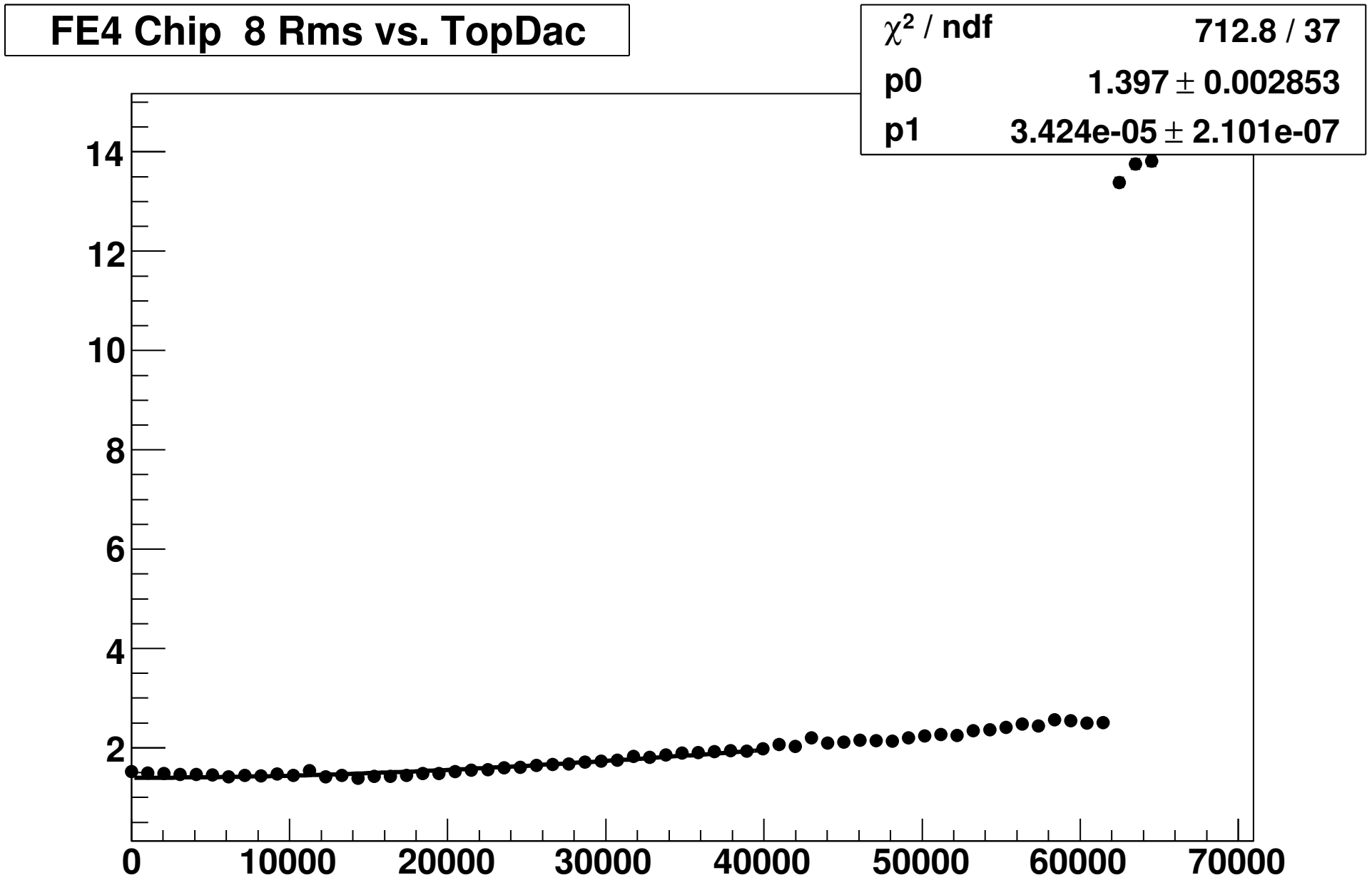

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 2.77e+05 / 37
p0 41.18 ± 0.005181
p1 0.4515 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

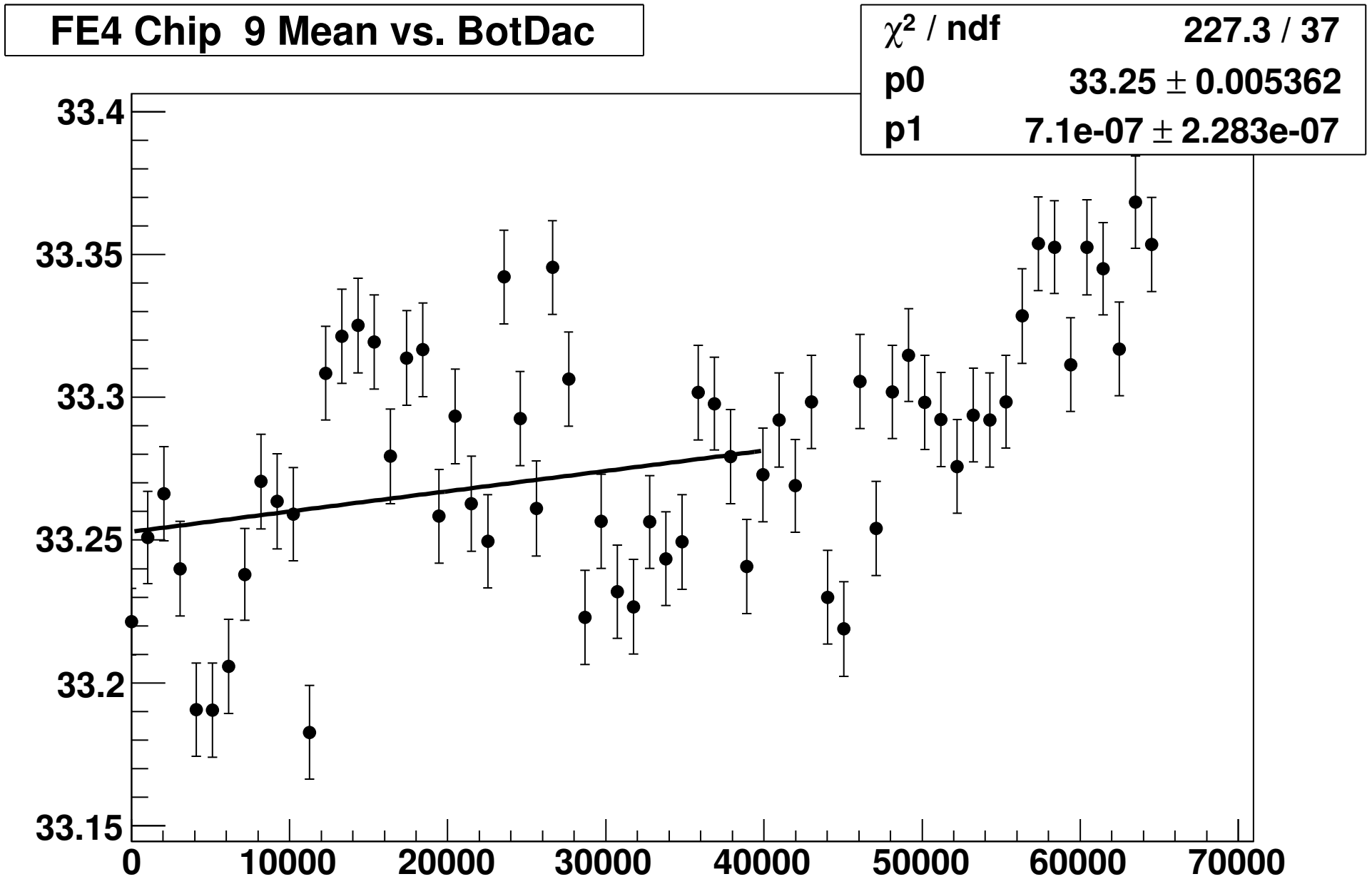

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 753.6 / 37
p0 1.387 ± 0.00283
p1 3.398e-05 ± 2.084e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

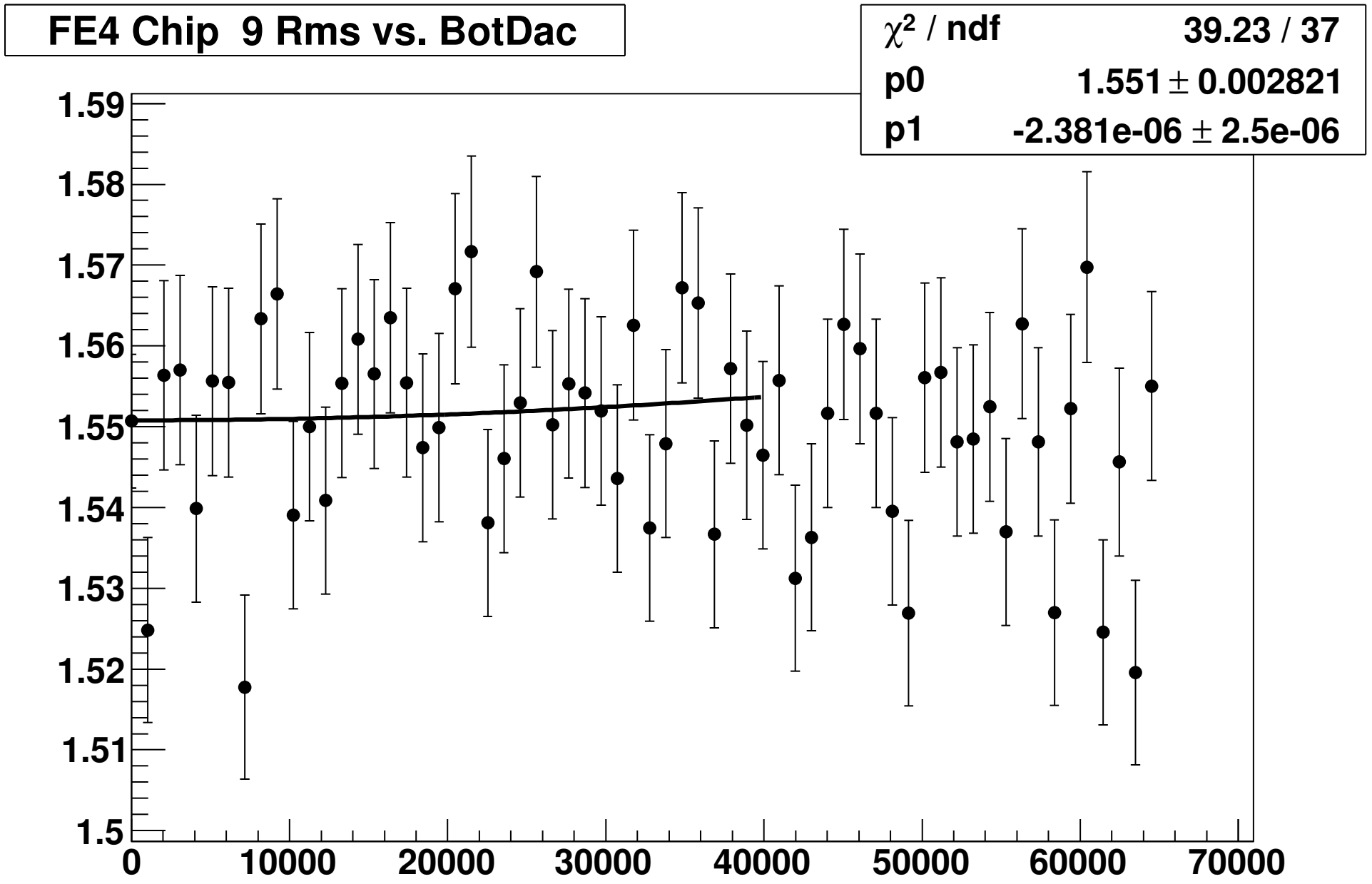

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 230.3 / 37
p0 30.26 ± 0.005271
p1 4.529e-07 ± 2.245e-07
30.4
30.35
30.3
30.25
30.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 37.71 / 37
p0 1.522 ± 0.0025
p1 2.613e-06 ± 1.92e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 7.969e+04 / 37
p0 32.16 ± 0.005221
p1 0.4516 ± 2.444e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 712.8 / 37
p0 1.397 ± 0.002853
p1 3.424e-05 ± 2.101e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 227.3 / 37
p0 33.25 ± 0.005362
p1 7.1e-07 ± 2.283e-07
33.4
33.35
33.3
33.25
33.2
33.15
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 39.23 / 37
p0 1.551 ± 0.002821
p1 -2.381e-06 ± 2.5e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
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40000
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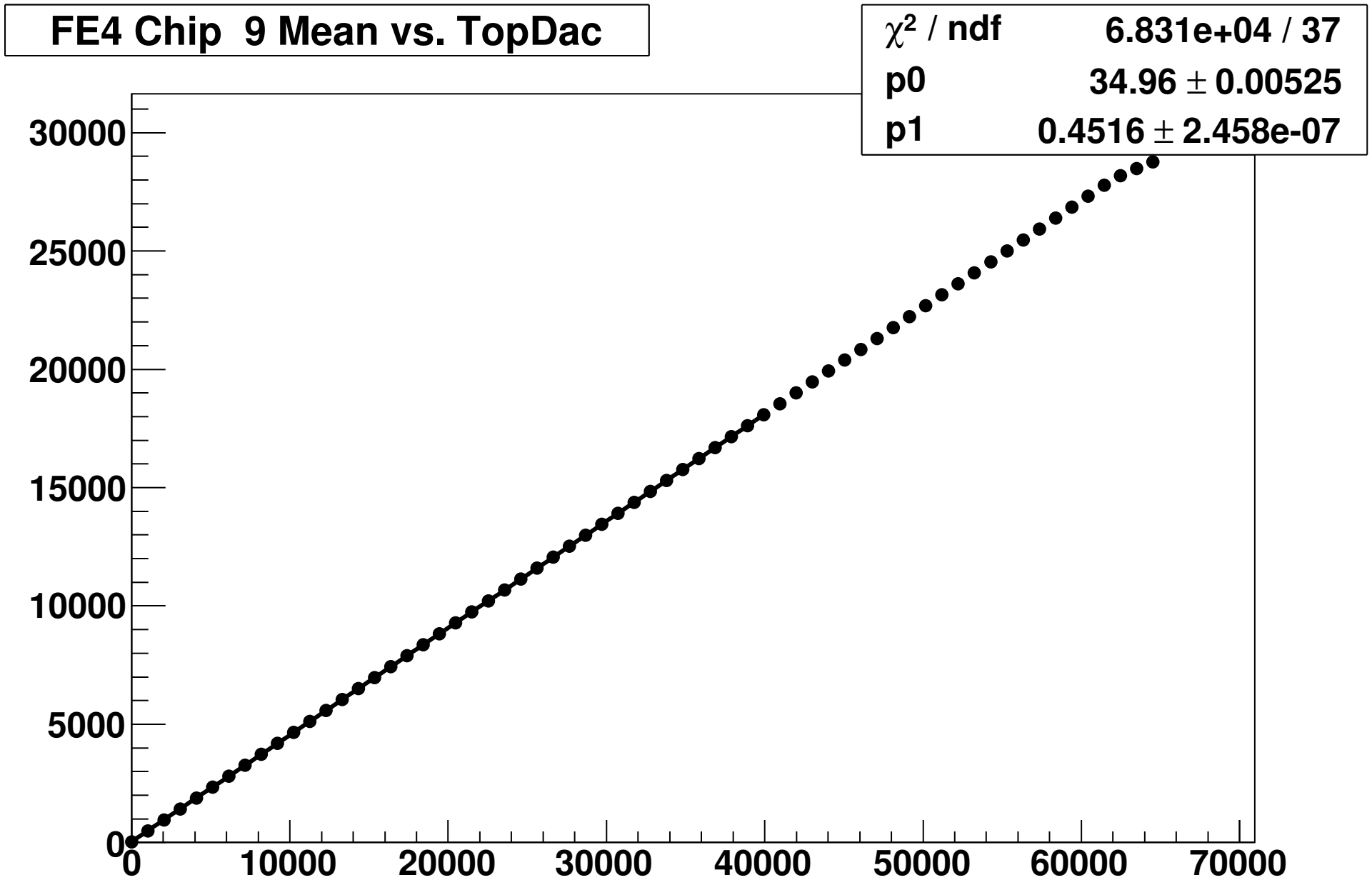
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 6.831e+04 / 37
p0 34.96 ± 0.00525
p1 0.4516 ± 2.458e-07
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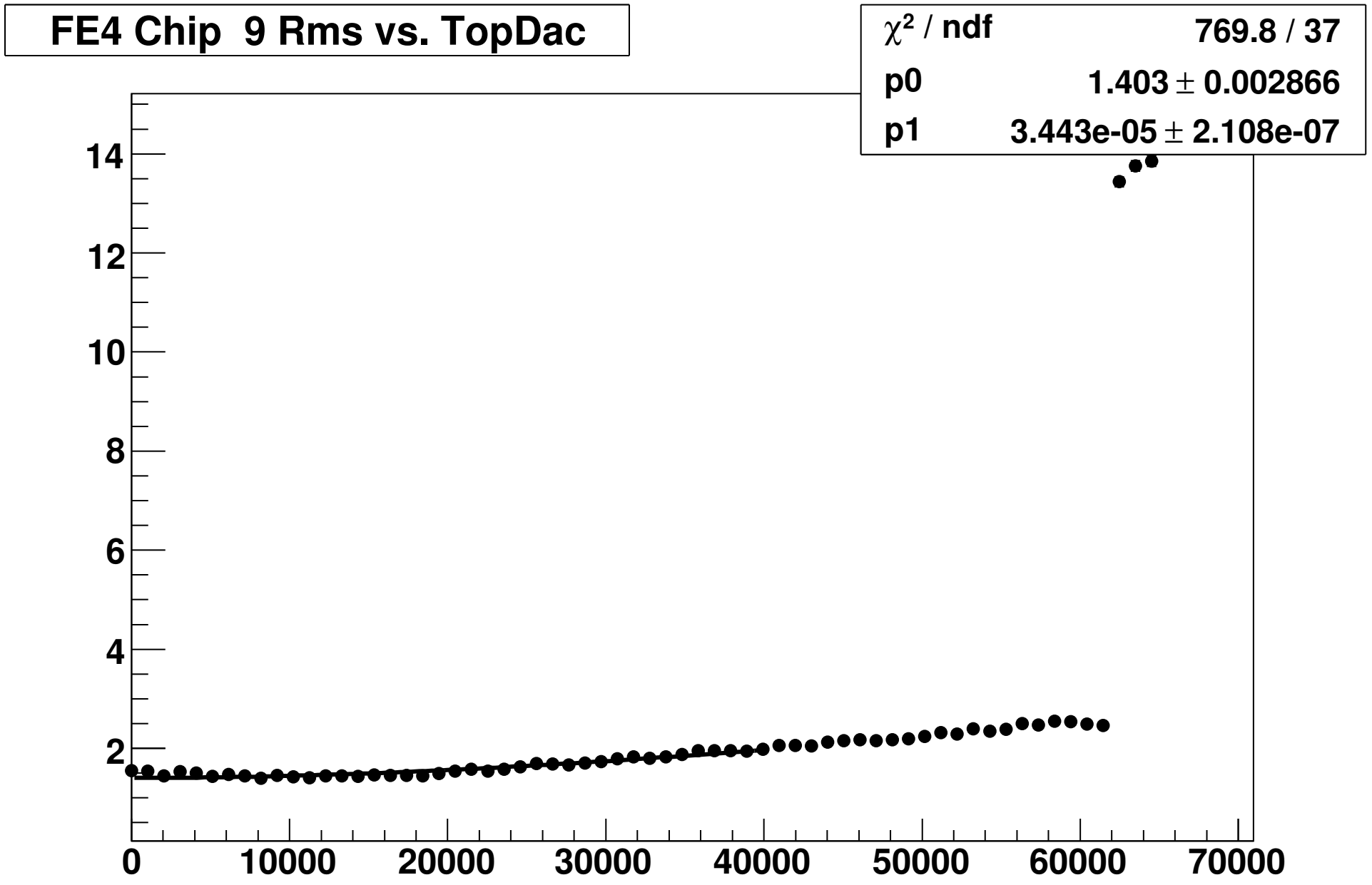
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 769.8 / 37
p0 1.403 ± 0.002866
p1 3.443e-05 ± 2.108e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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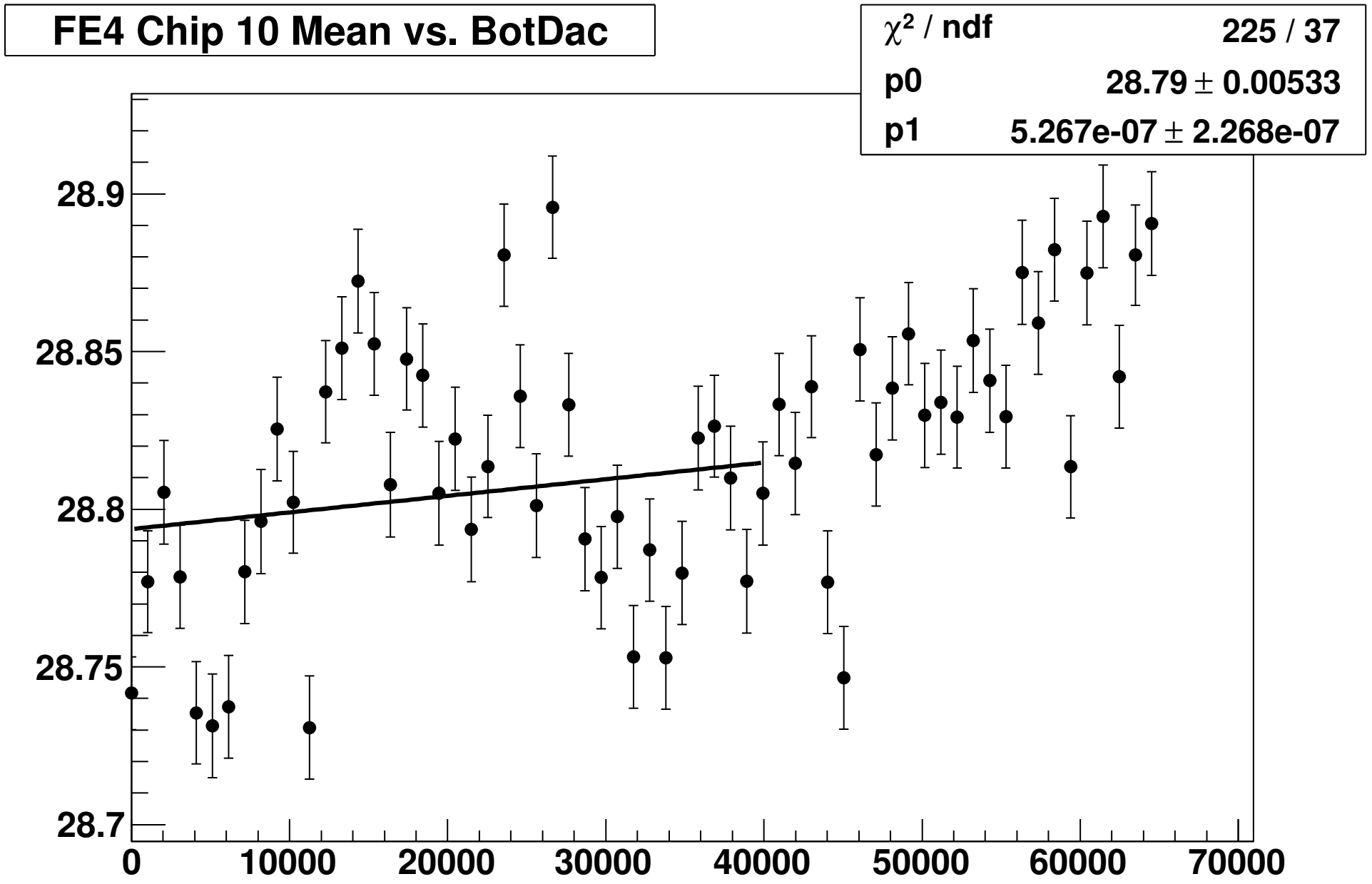
50000
60000
70000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 225 / 37
p0 28.79 ± 0.00533
p1 5.267e-07 ± 2.268e-07
28.9
28.85
28.8
28.75
28.7
0
10000
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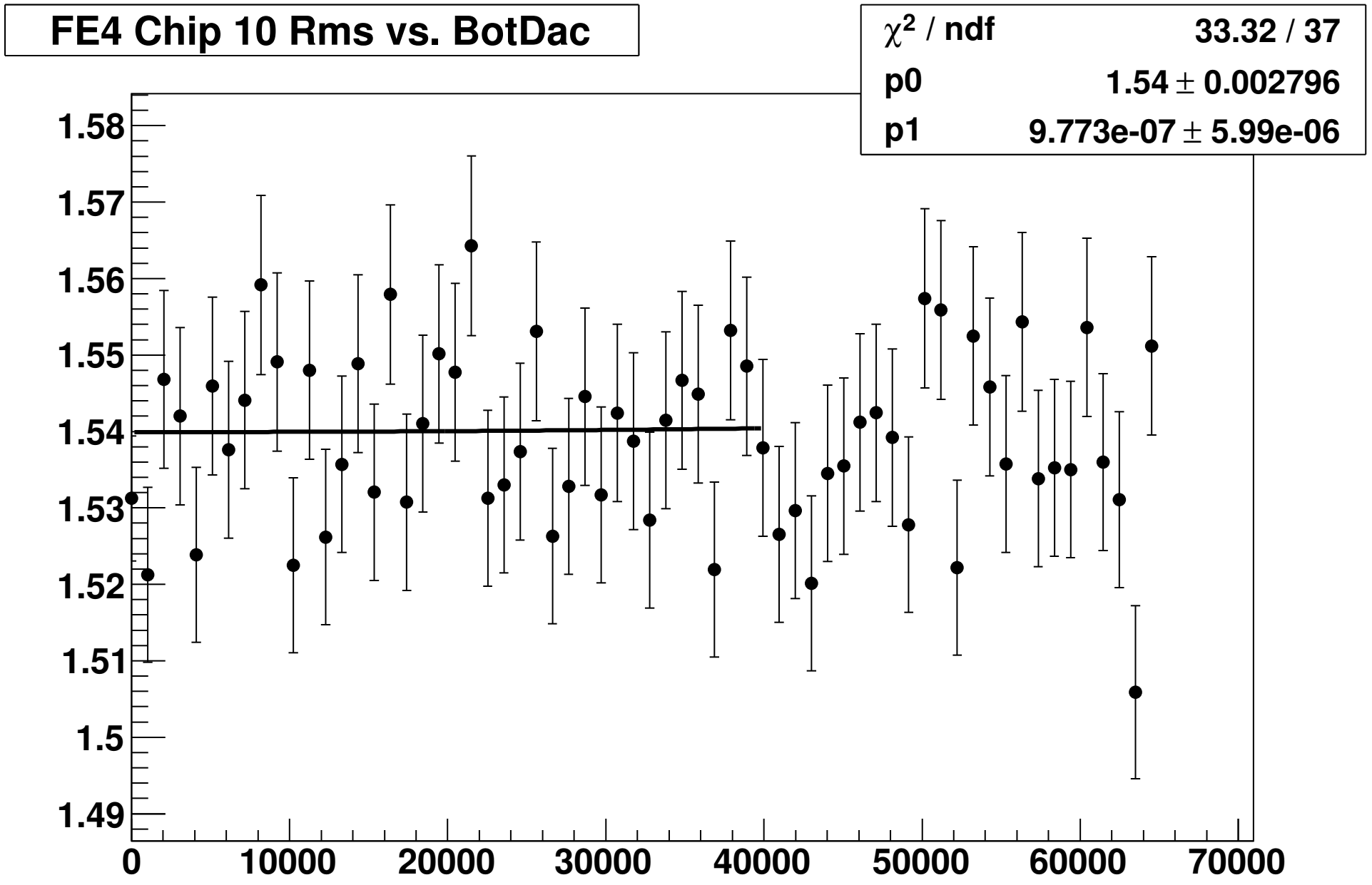
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 33.32 / 37
p0 1.54 ± 0.002796
p1 9.773e-07 ± 5.99e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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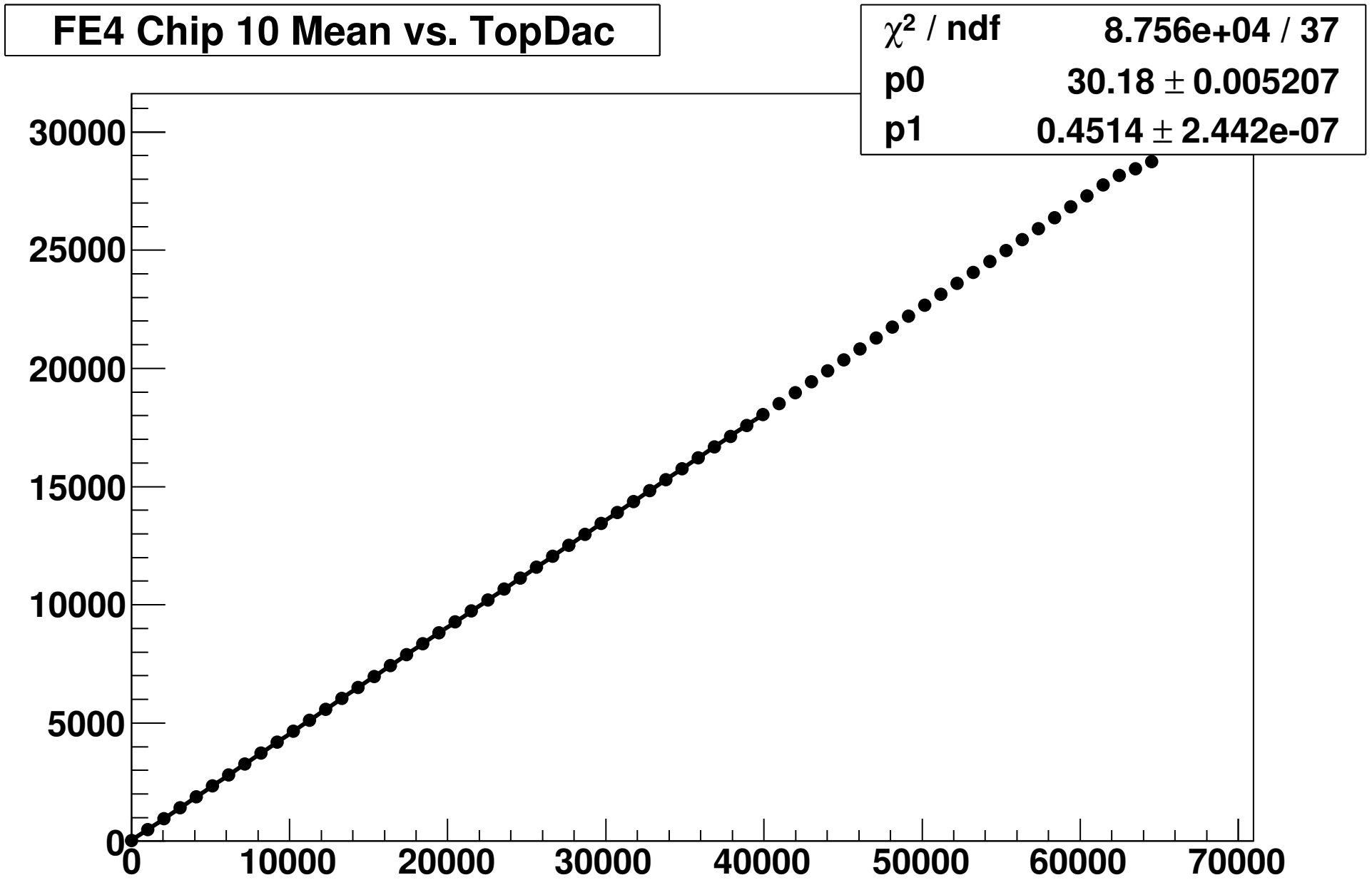
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 8.756e+04 / 37
p0 30.18 ± 0.005207
p1 0.4514 ± 2.442e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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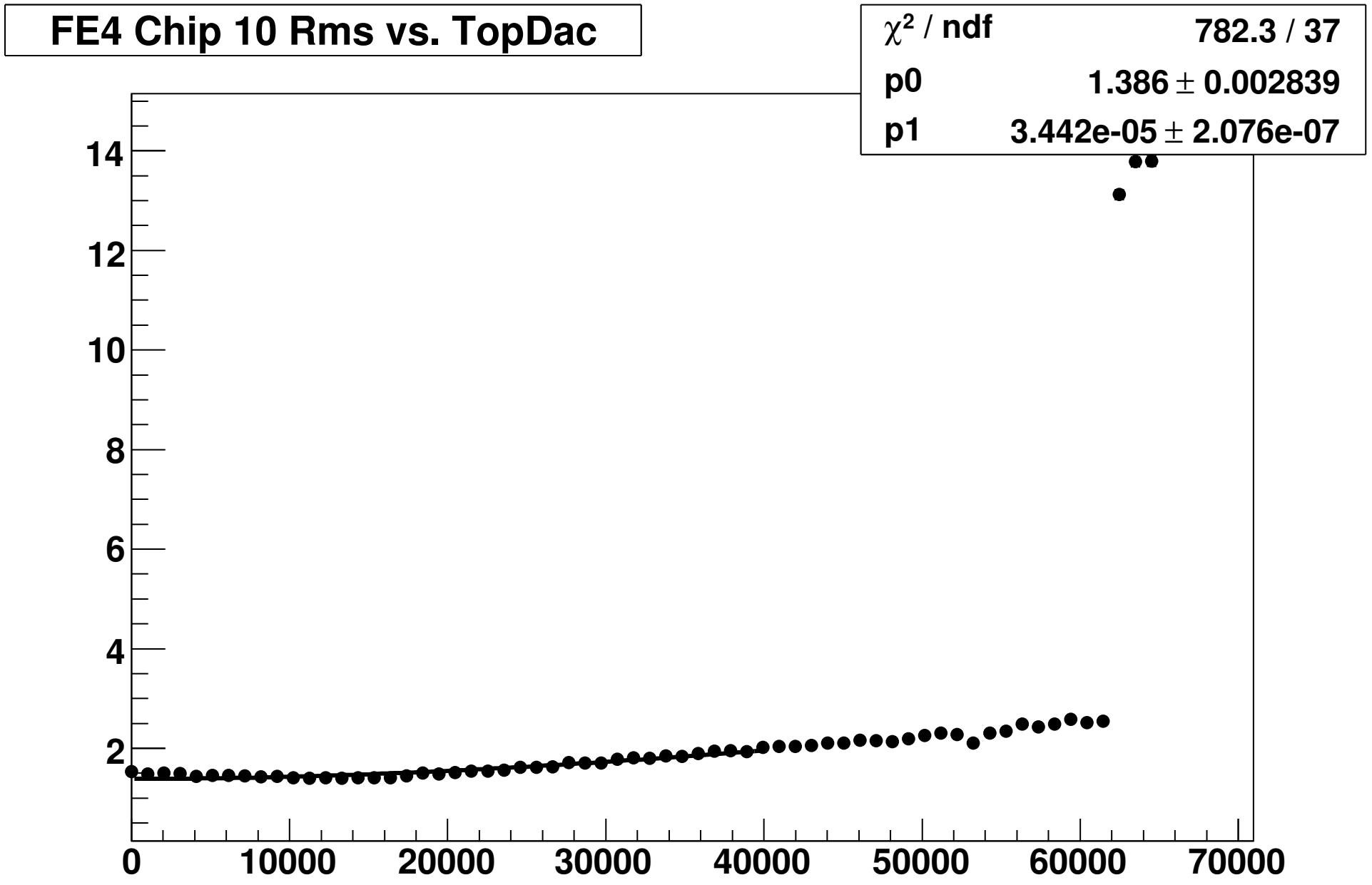
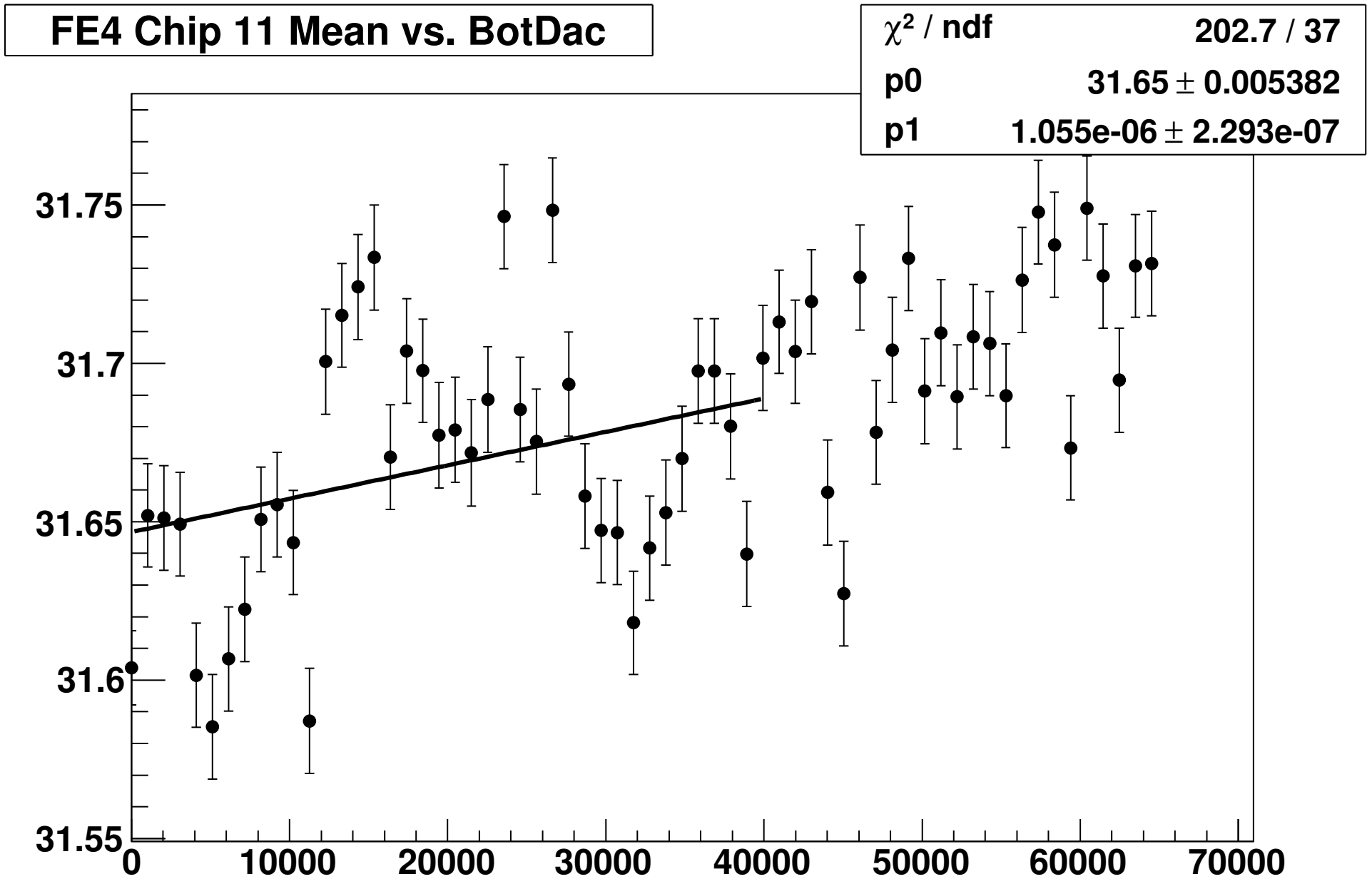

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 782.3 / 37
p0 1.386 ± 0.002839
p1 3.442e-05 ± 2.076e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 202.7 / 37
p0 31.65 ± 0.005382
p1 1.055e-06 ± 2.293e-07
31.75
31.7
31.65
31.6
31.55
0
10000
20000
30000
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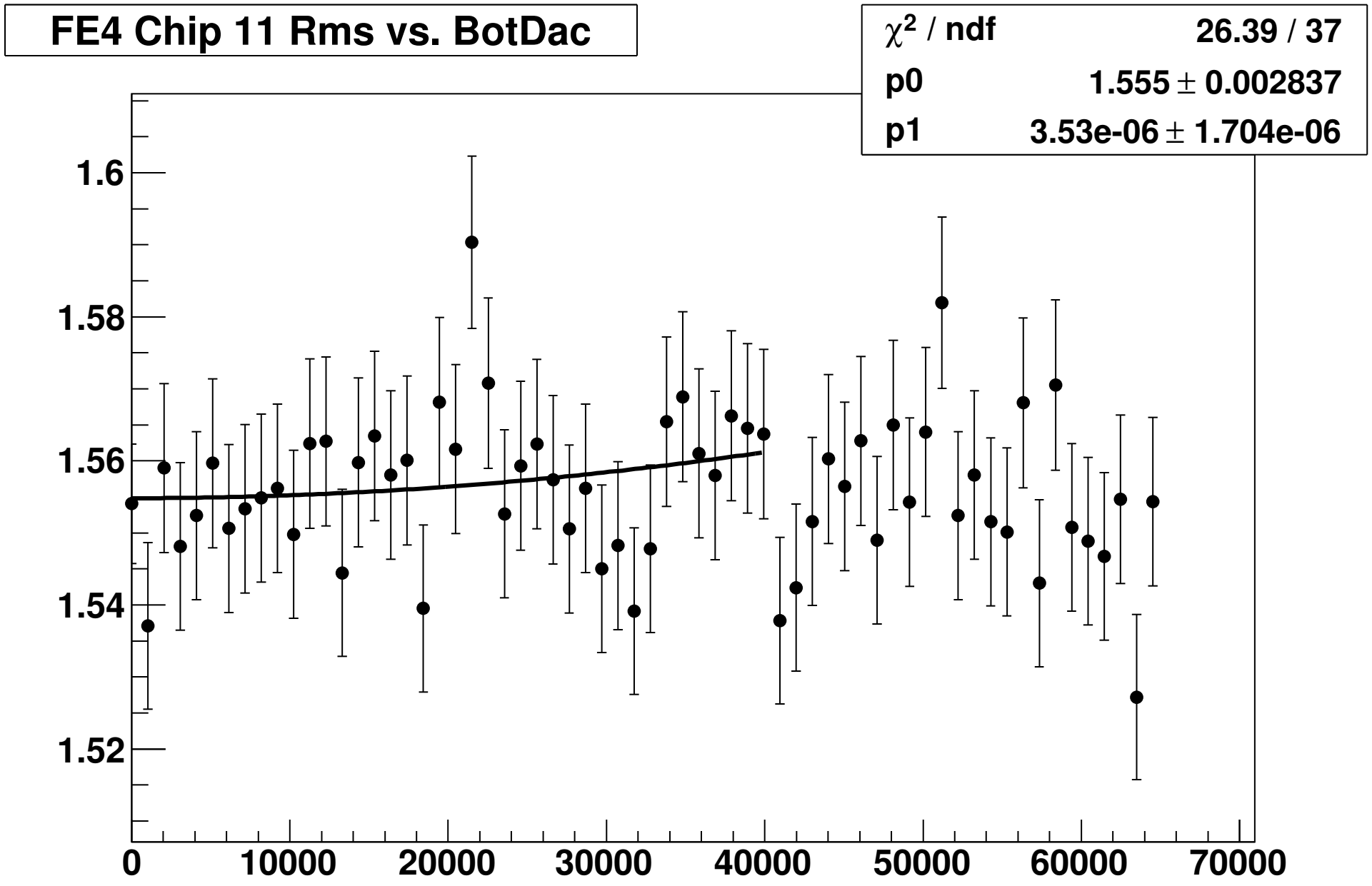
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 26.39 / 37
p0 1.555 ± 0.002837
p1 3.53e-06 ± 1.704e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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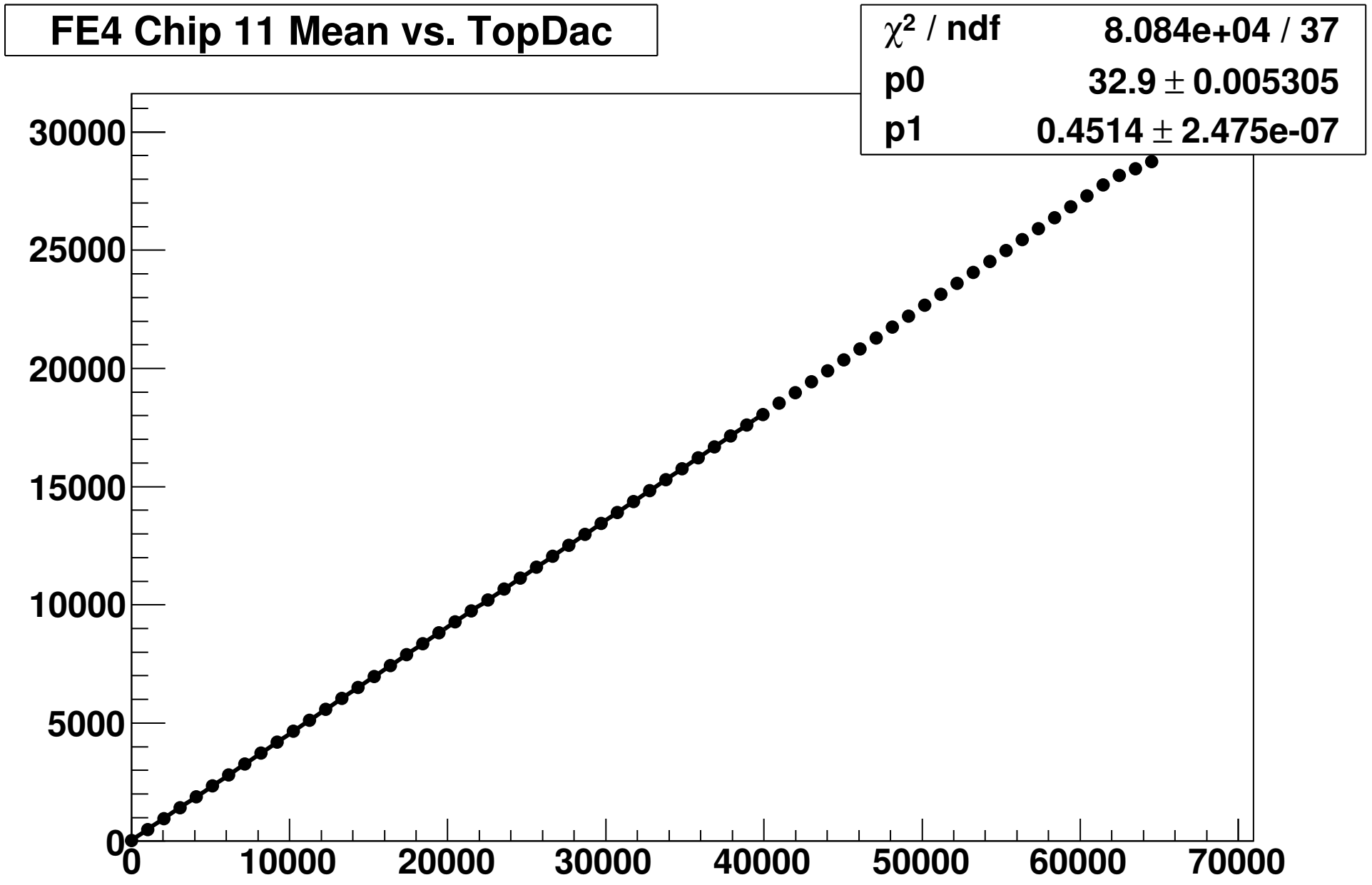
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.084e+04 / 37
p0 32.9 ± 0.005305
p1 0.4514 ± 2.475e-07
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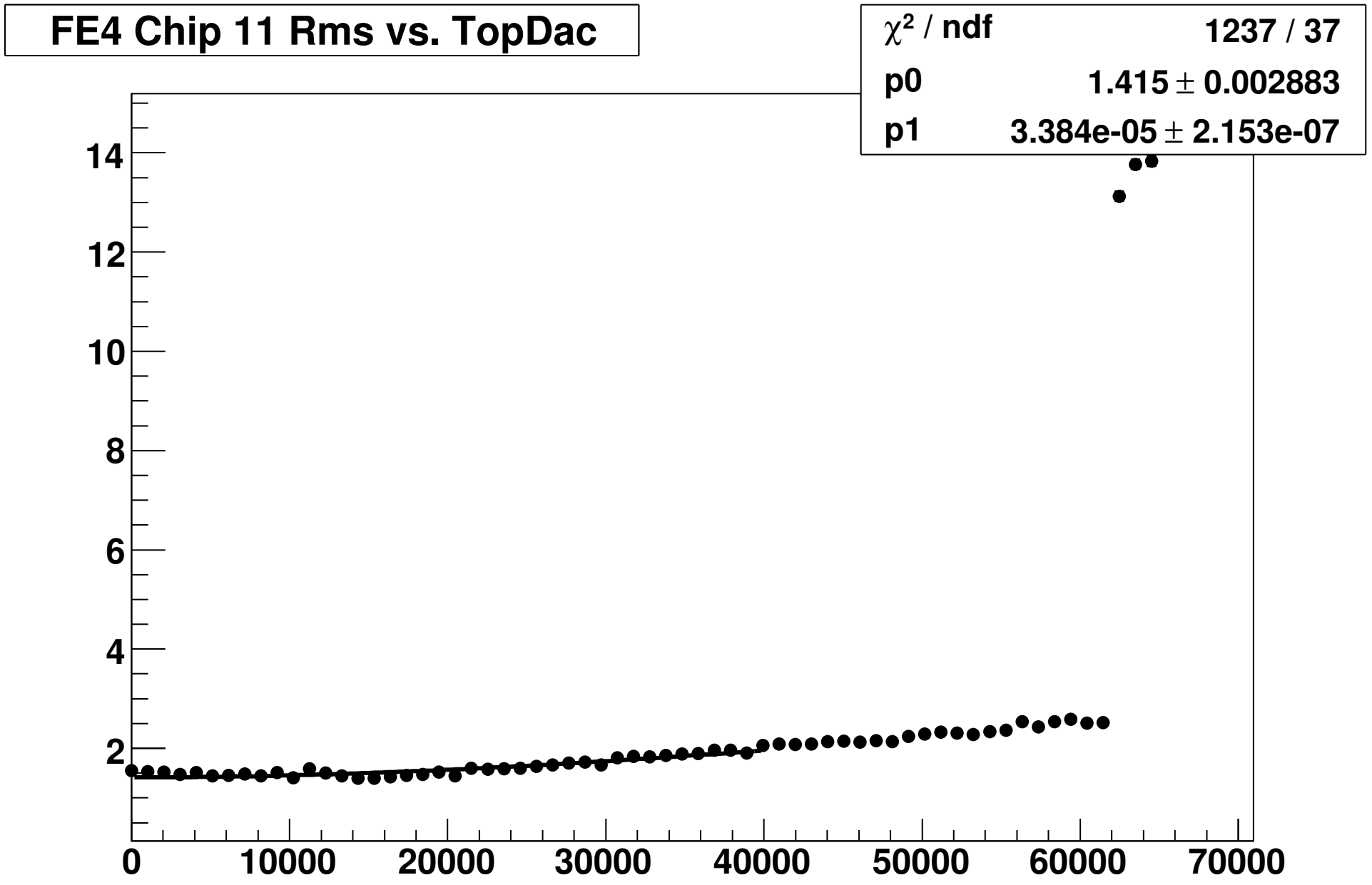
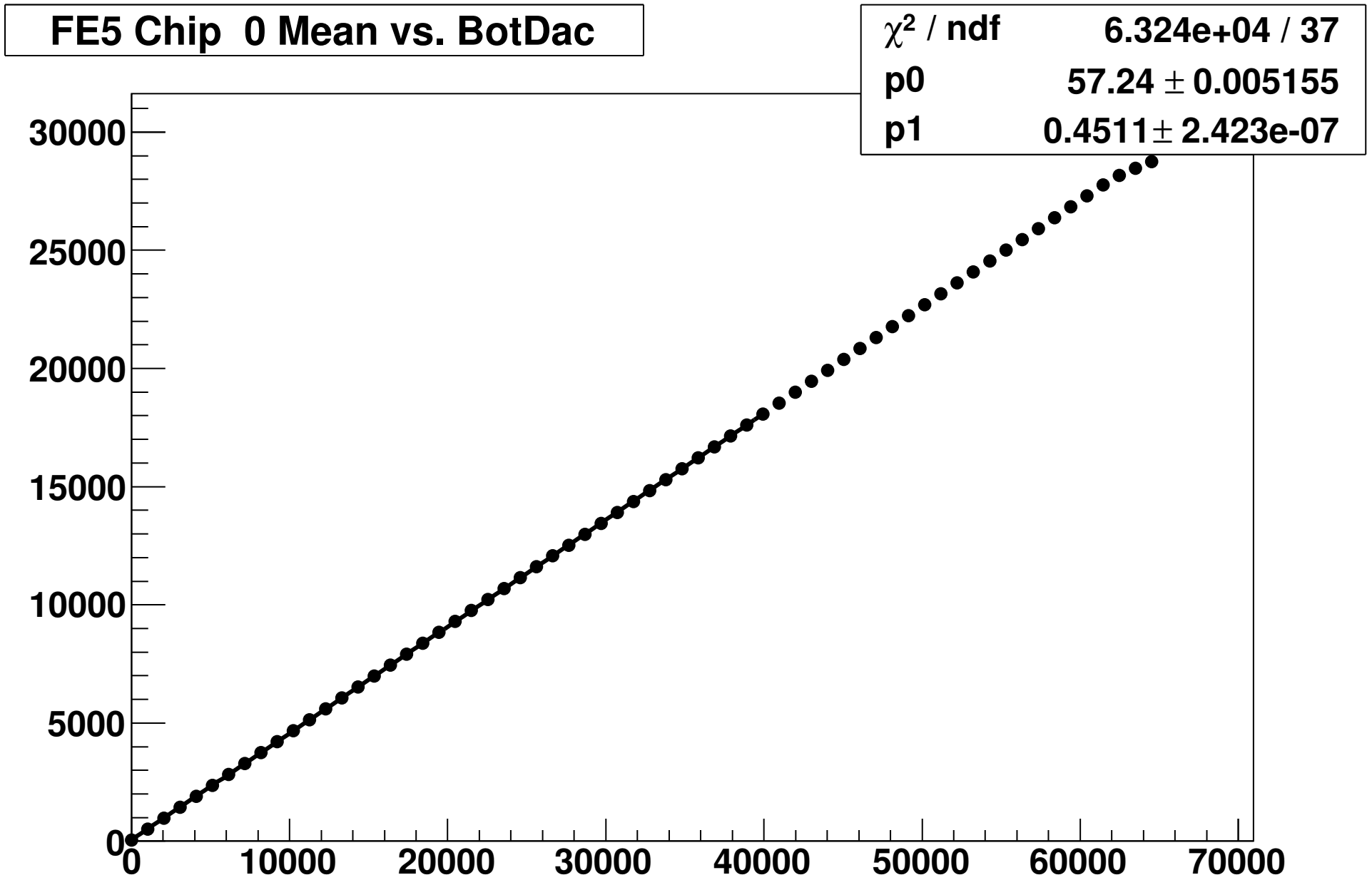
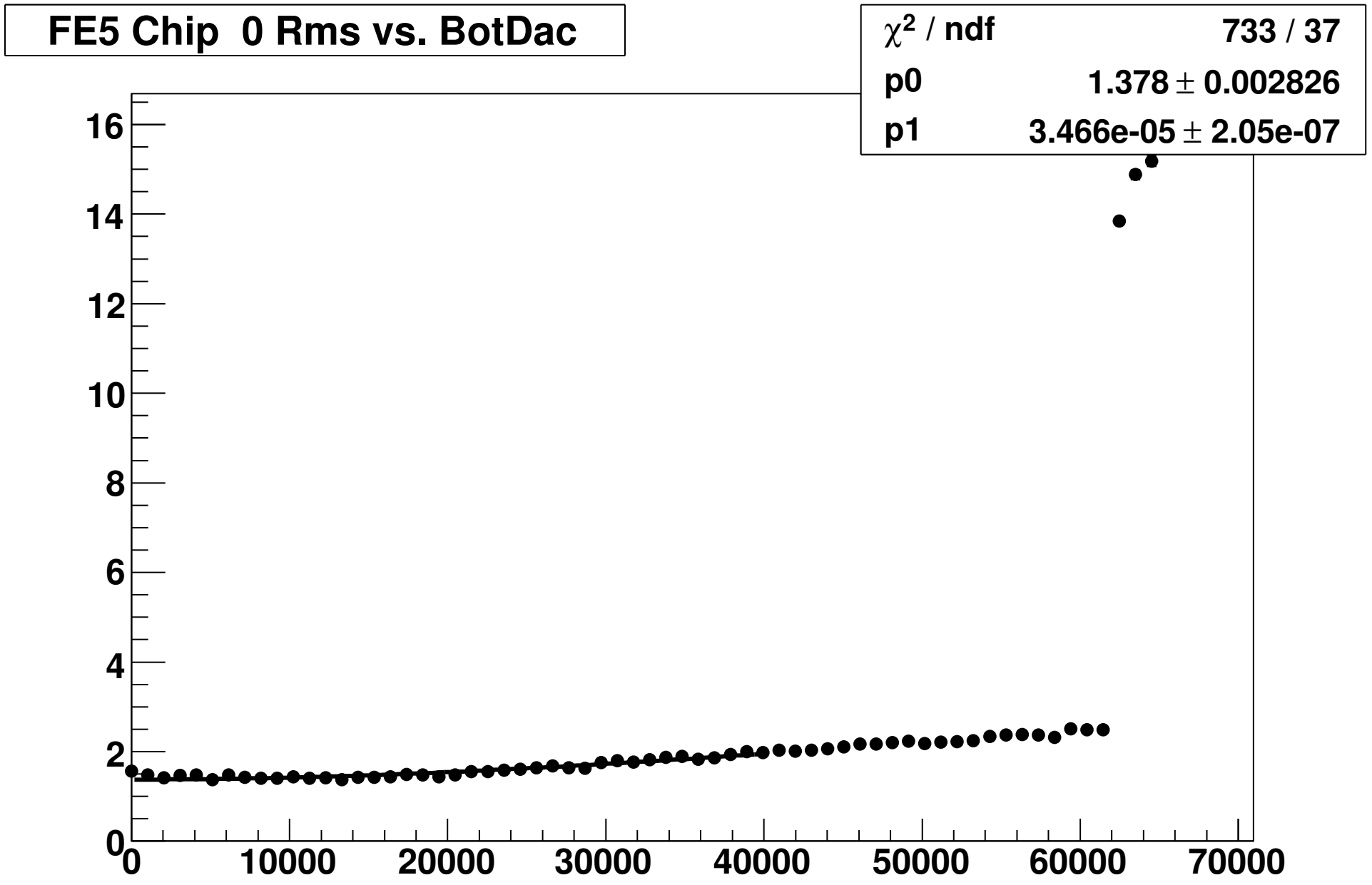
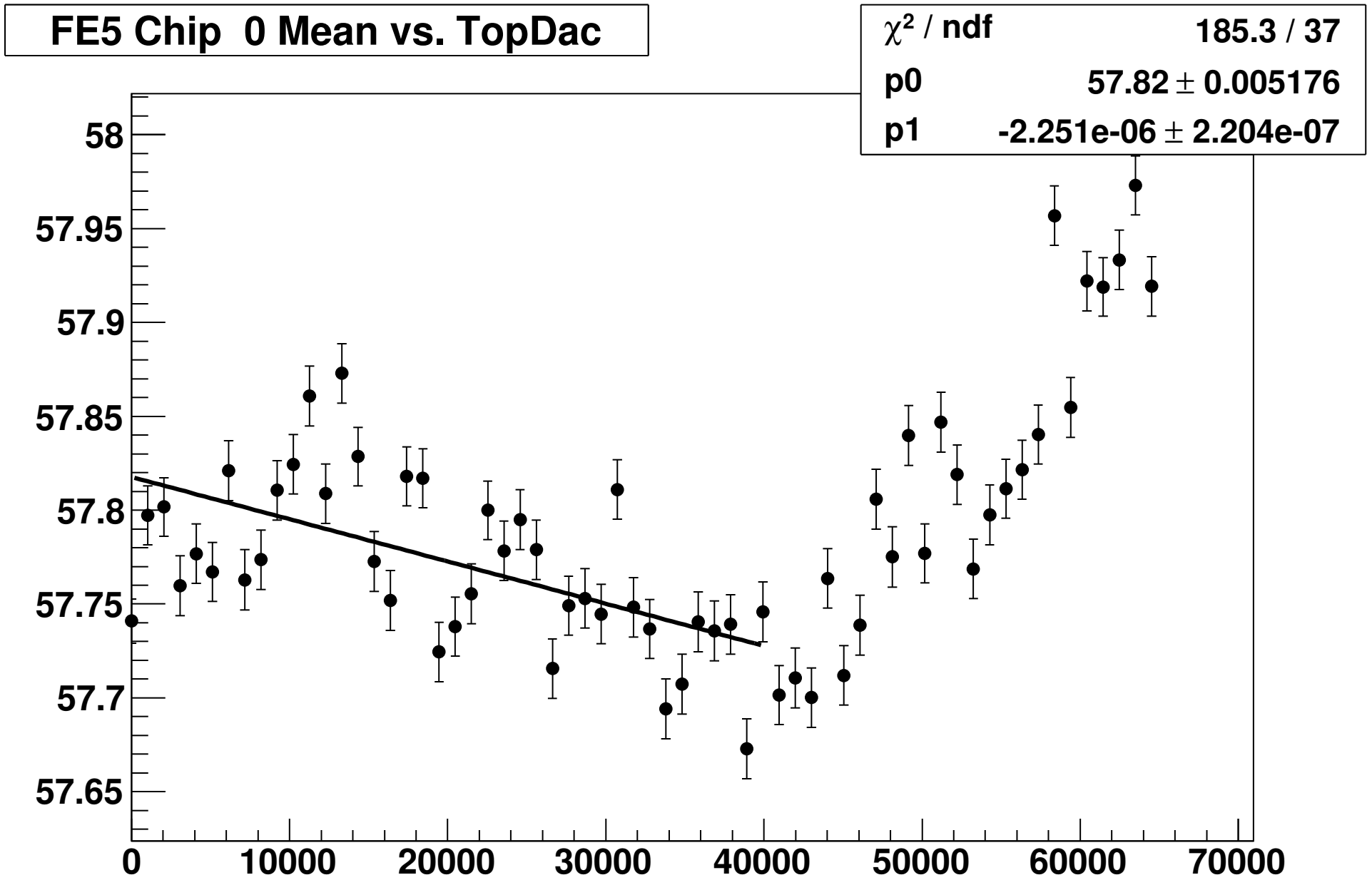
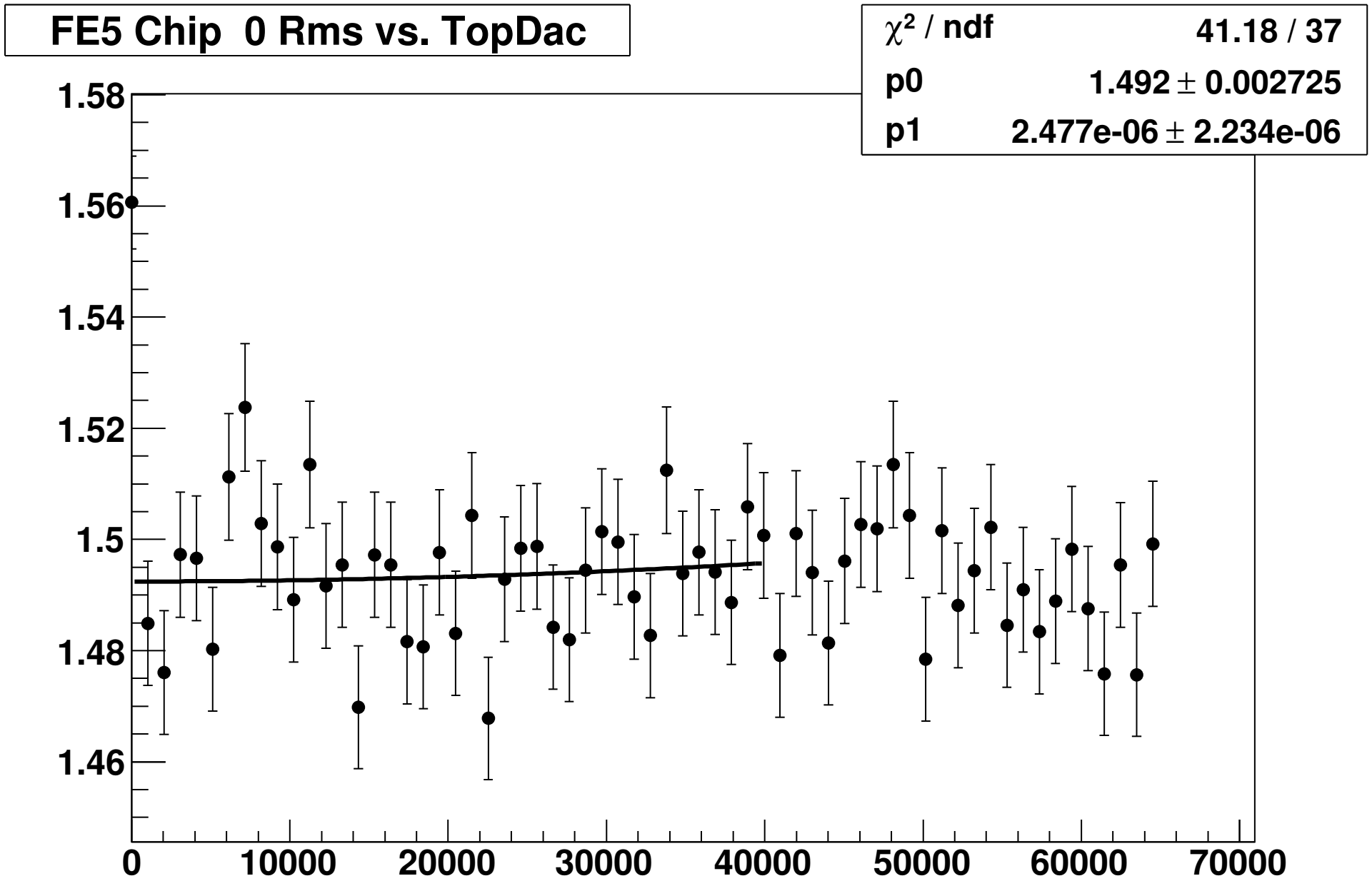
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

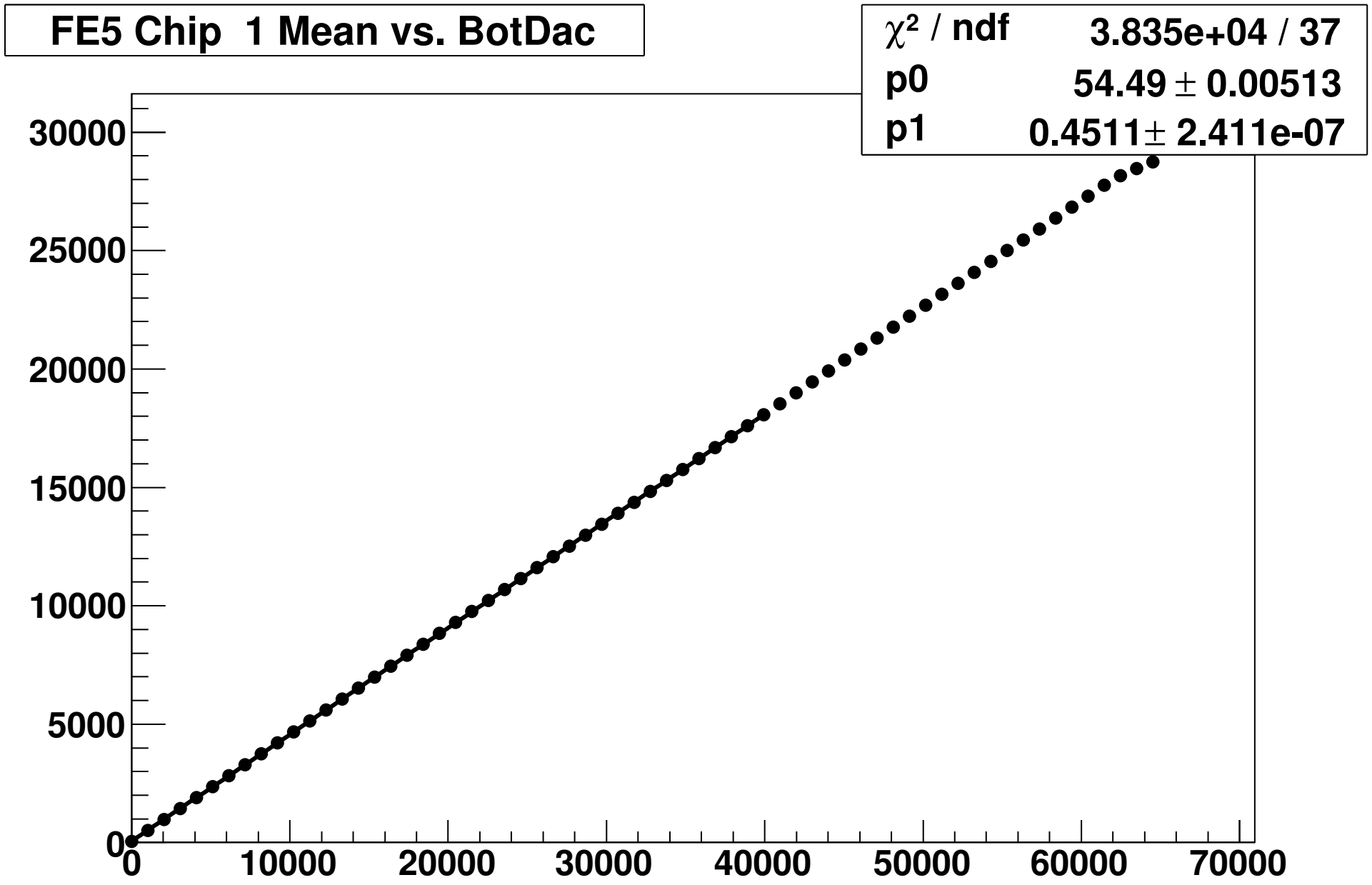

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1237 / 37
p0 1.415 ± 0.002883
p1 3.384e-05 ± 2.153e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

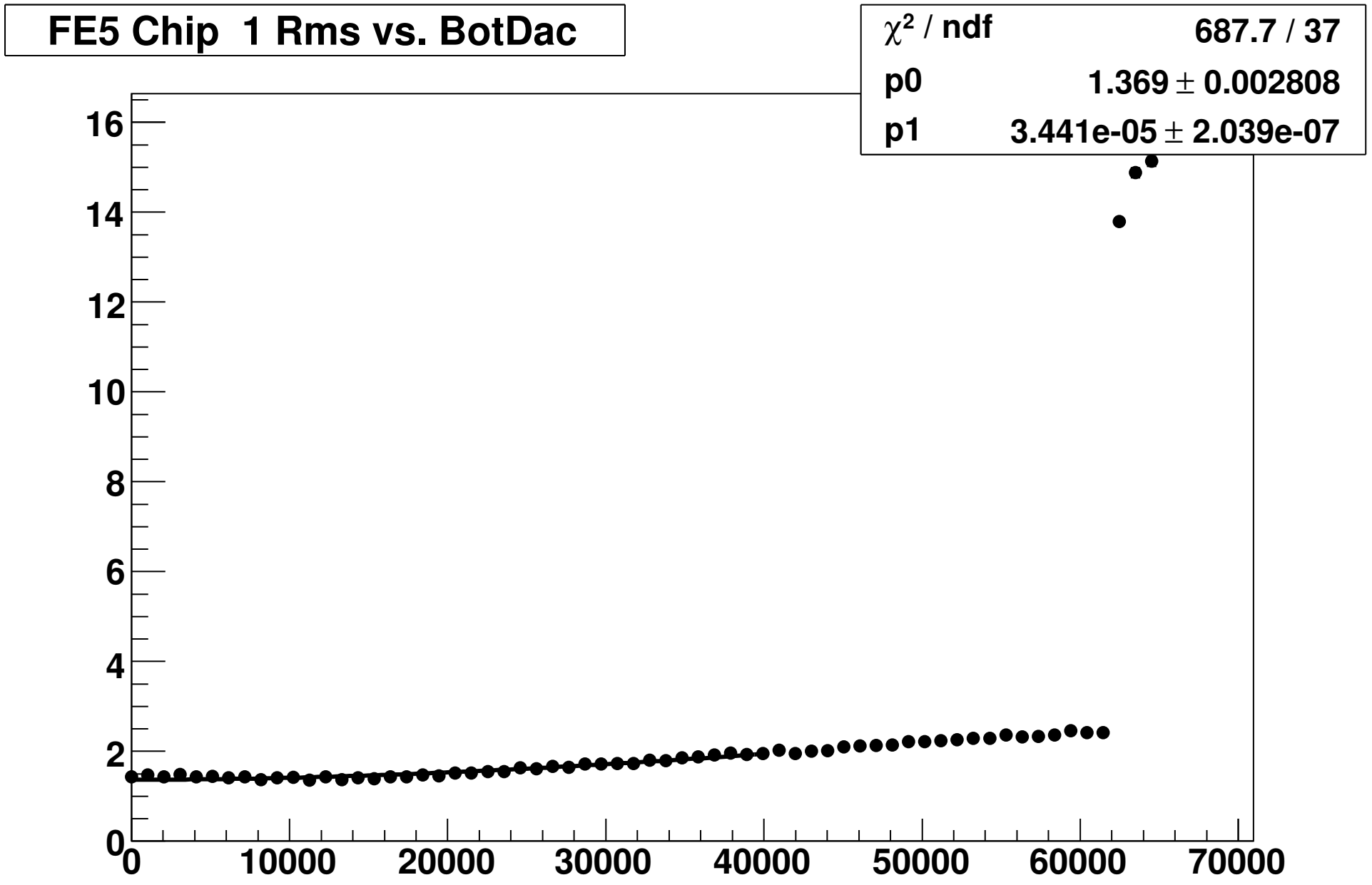

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 6.324e+04 / 37
p0 57.24 ± 0.005155
p1 0.4511 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

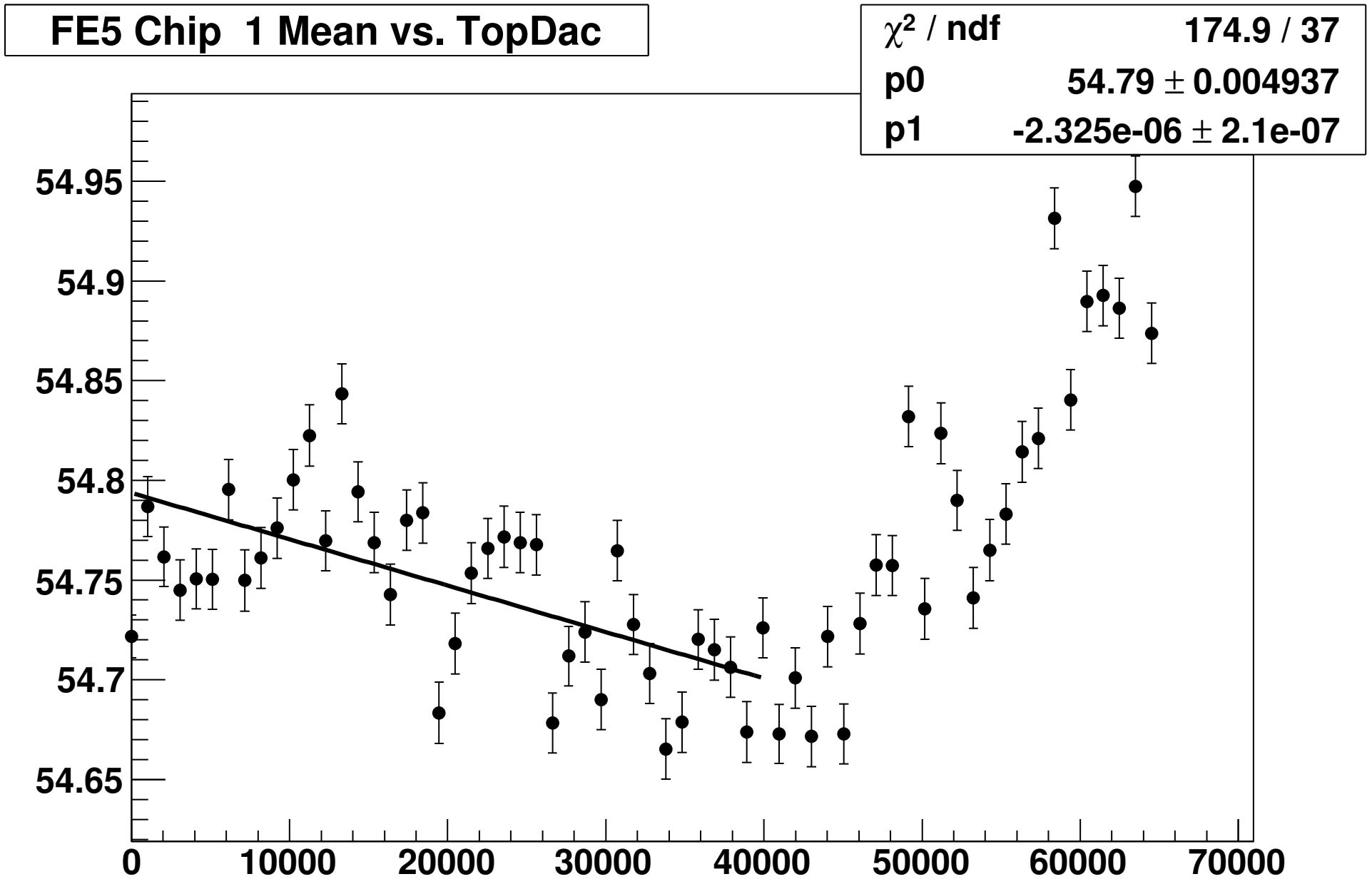

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 733 / 37
p0 1.378 ± 0.002826
p1 3.466e-05 ± 2.05e-07
0
2
4
6
8
10
12
14
16
0
10000
20000
30000
40000
50000
60000
70000

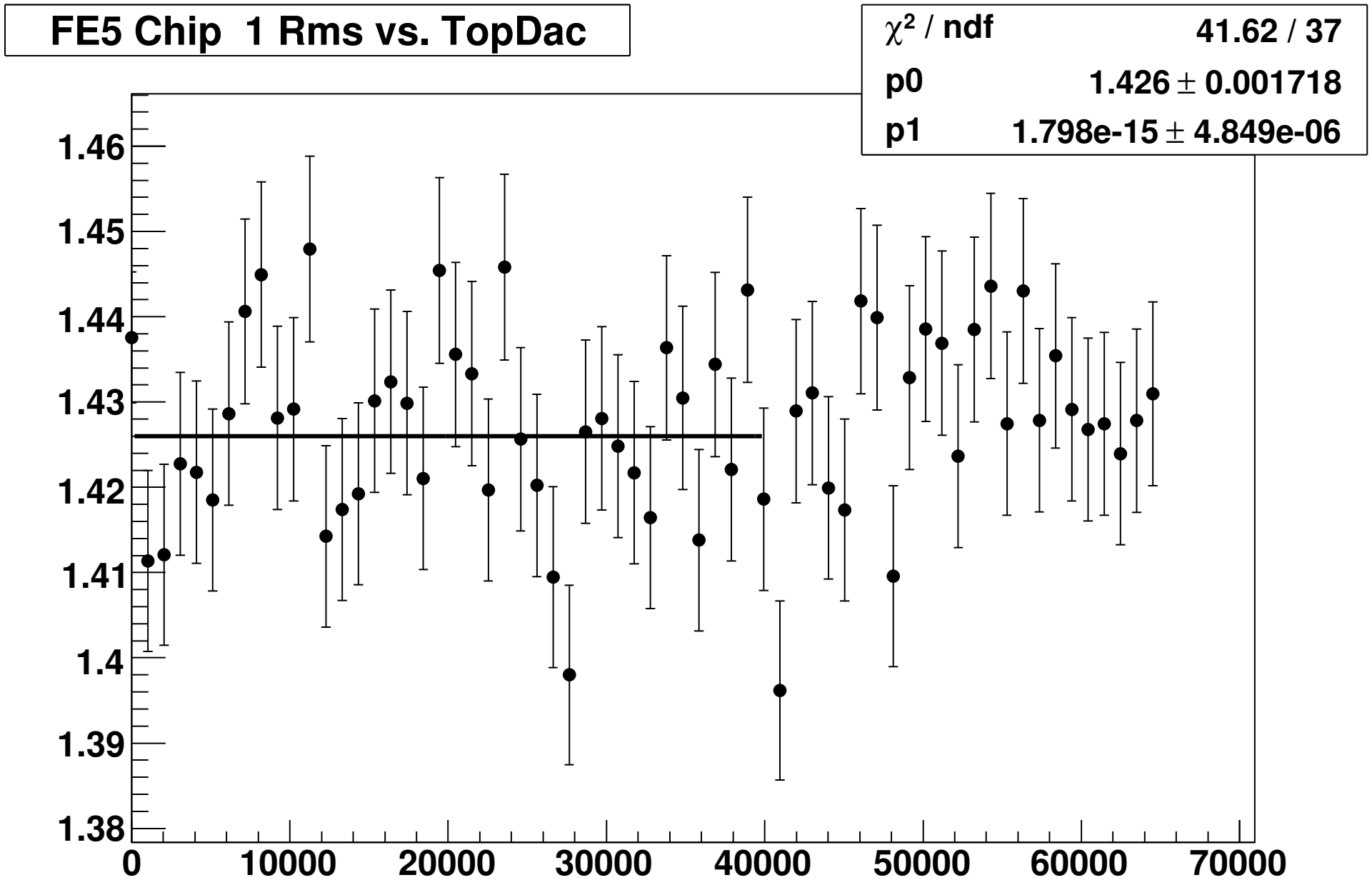

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 185.3 / 37
p0 57.82 ± 0.005176
p1 -2.251e-06 ± 2.204e-07
58
57.95
57.9
57.85
57.8
57.75
57.7
57.65
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 41.18 / 37
p0 1.492 ± 0.002725
p1 2.477e-06 ± 2.234e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 3.835e+04 / 37
p0 54.49 ± 0.00513
p1 0.4511 ± 2.411e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 687.7 / 37
p0 1.369 ± 0.002808
p1 3.441e-05 ± 2.039e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 174.9 / 37
p0 54.79 ± 0.004937
p1 -2.325e-06 ± 2.1e-07
54.95
54.9
54.85
54.8
54.75
54.7
54.65
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 41.62 / 37
p0 1.426 ± 0.001718
p1 1.798e-15 ± 4.849e-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
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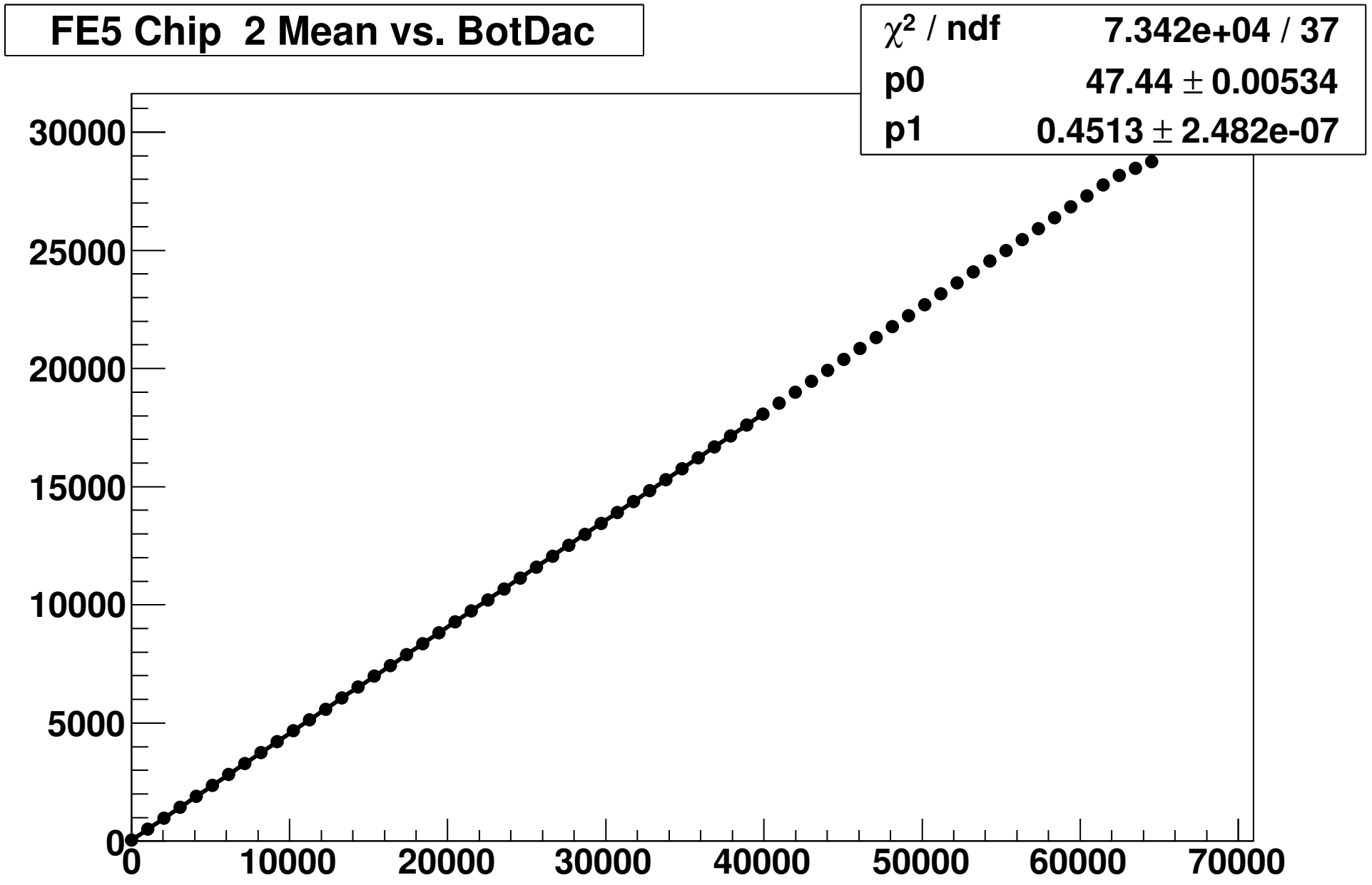
FE5 Chip 2 Mean vs. BotDac
χ² / ndf 7.342e+04 / 37
p0 47.44 ± 0.00534
p1 0.4513 ± 2.482e-07
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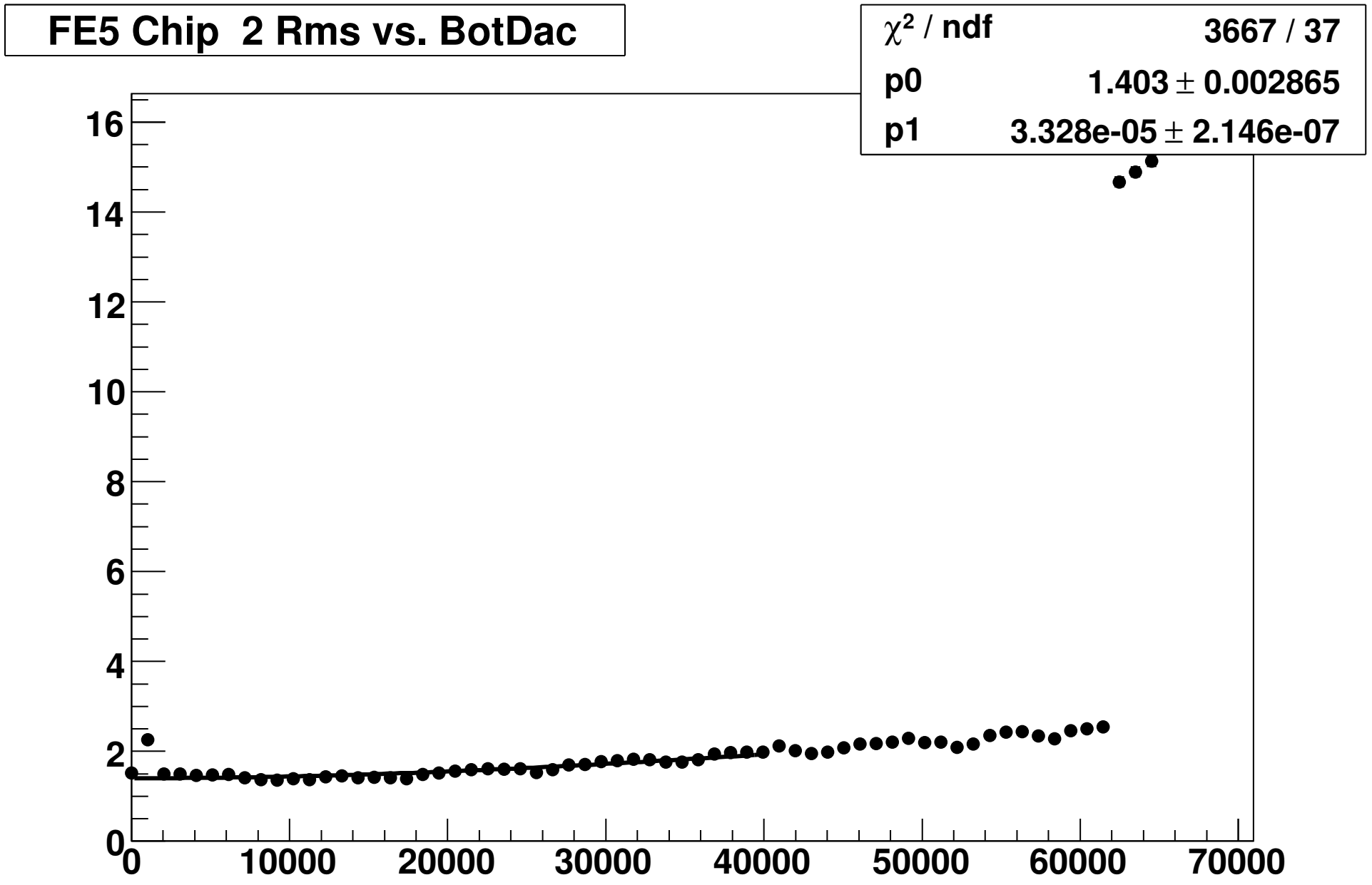
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 3667 / 37
p0 1.403 ± 0.002865
p1 3.328e-05 ± 2.146e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
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60000
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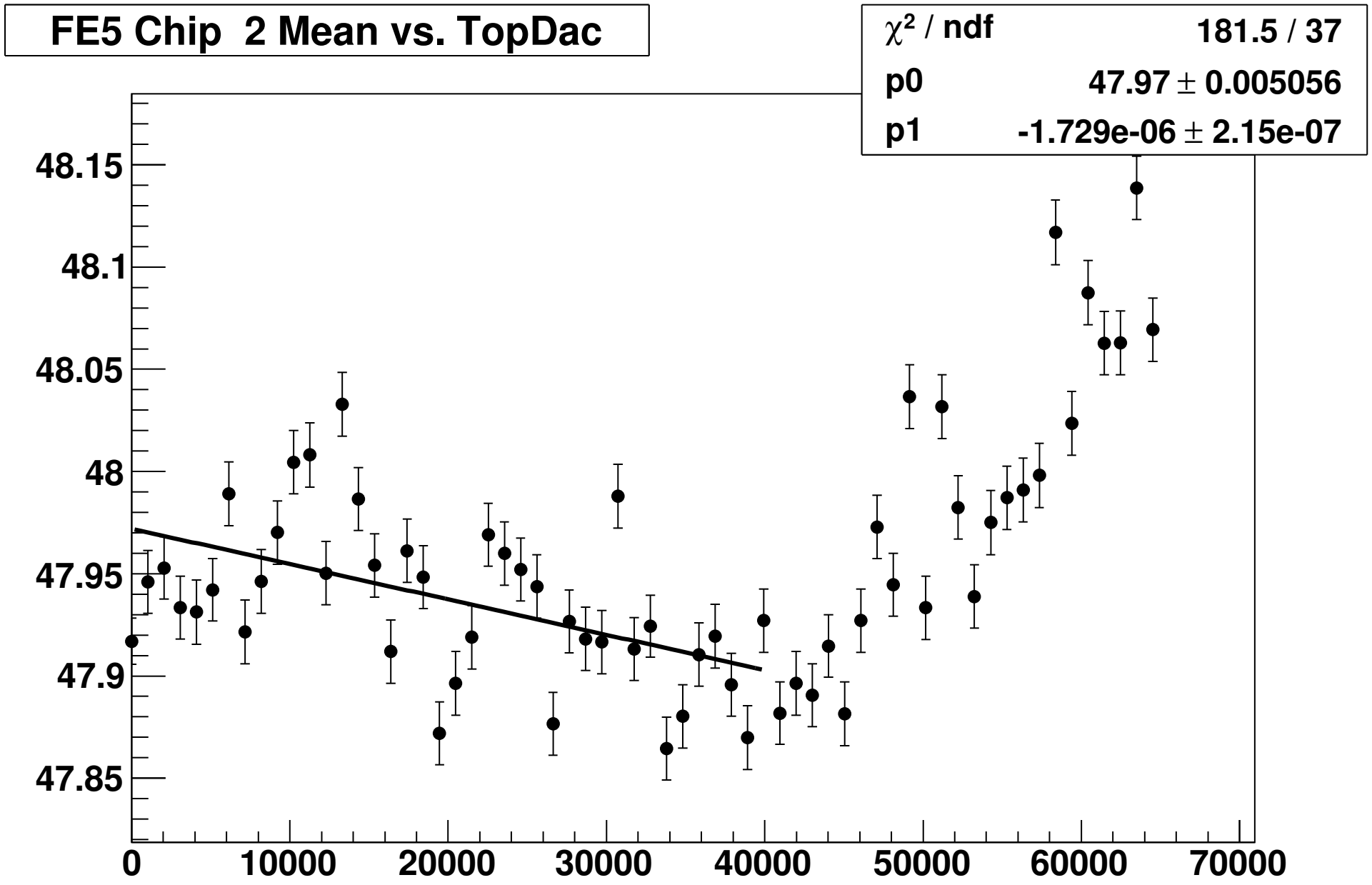
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 181.5 / 37
p0 47.97 ± 0.005056
p1 -1.729e-06 ± 2.15e-07
48.15
48.1
48.05
48
47.95
47.9
47.85
0
10000
20000
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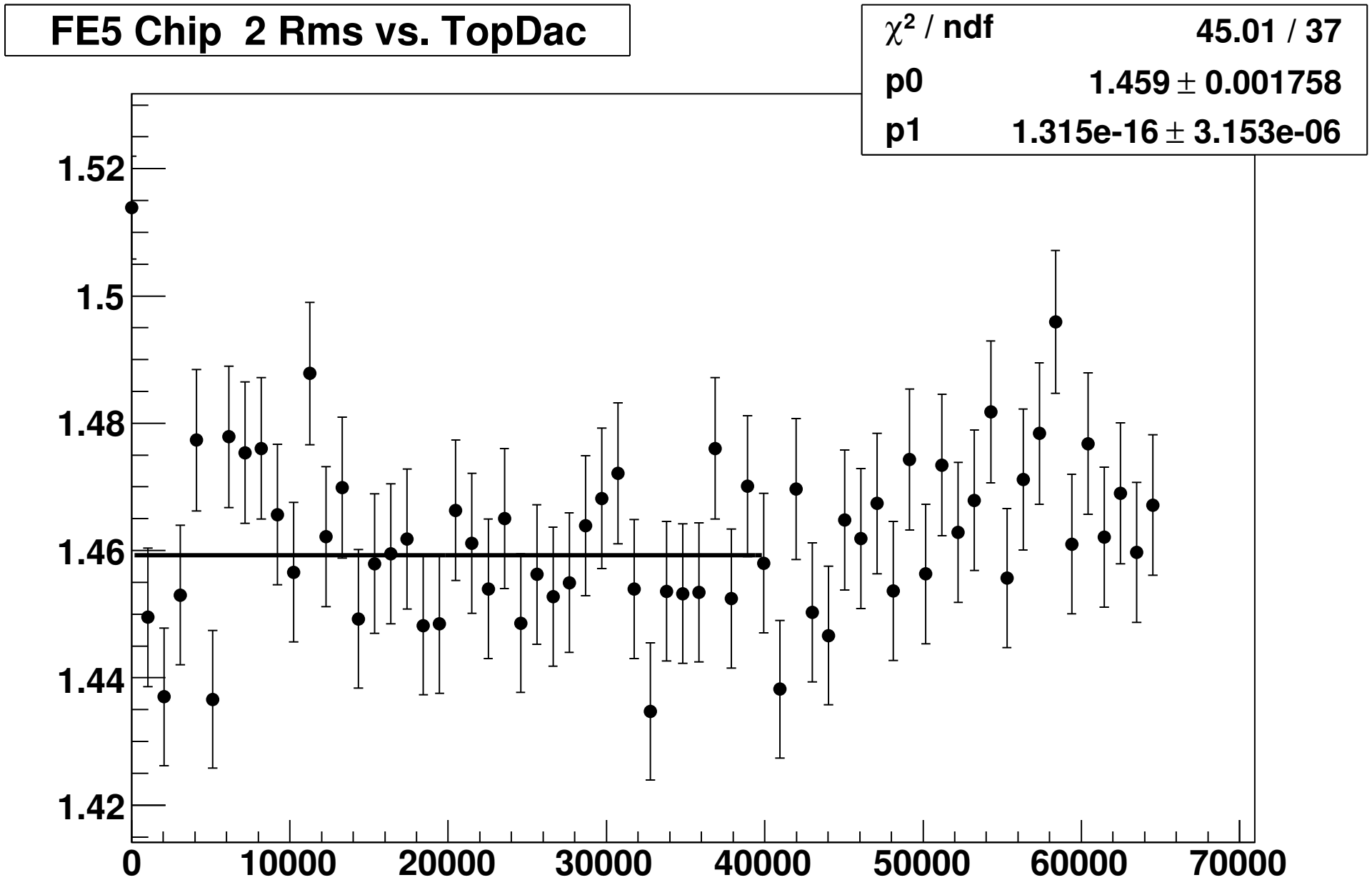
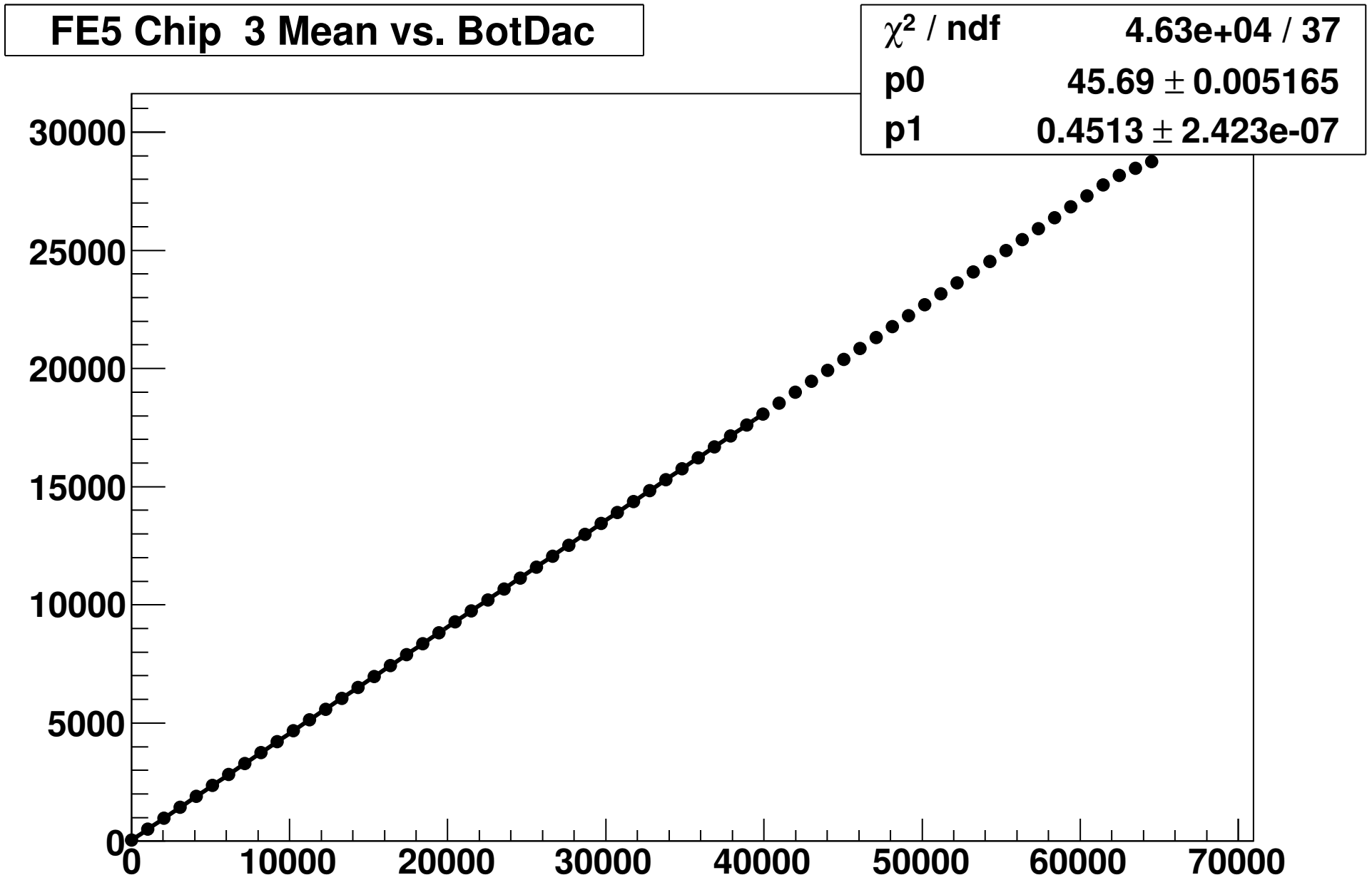
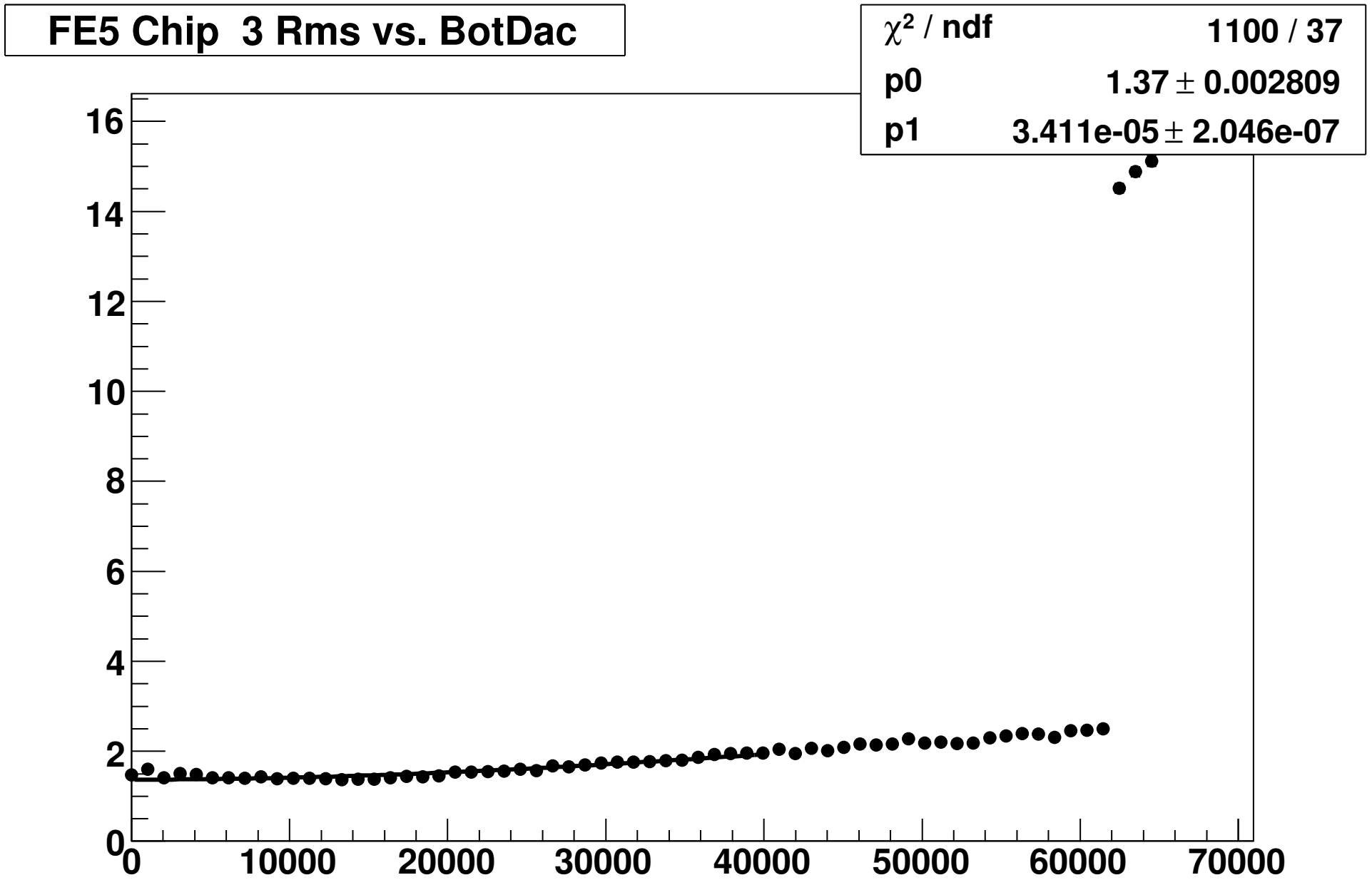
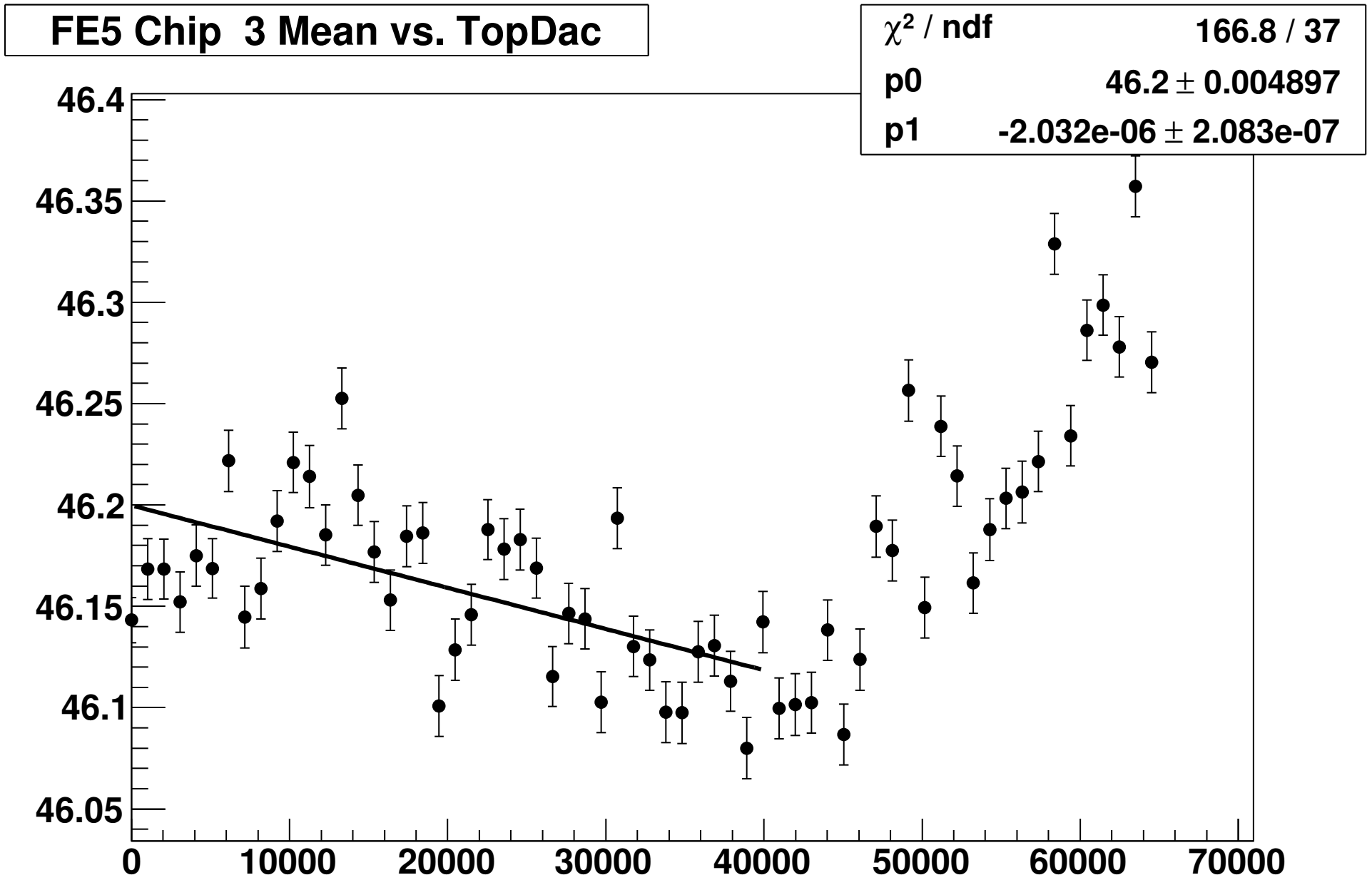
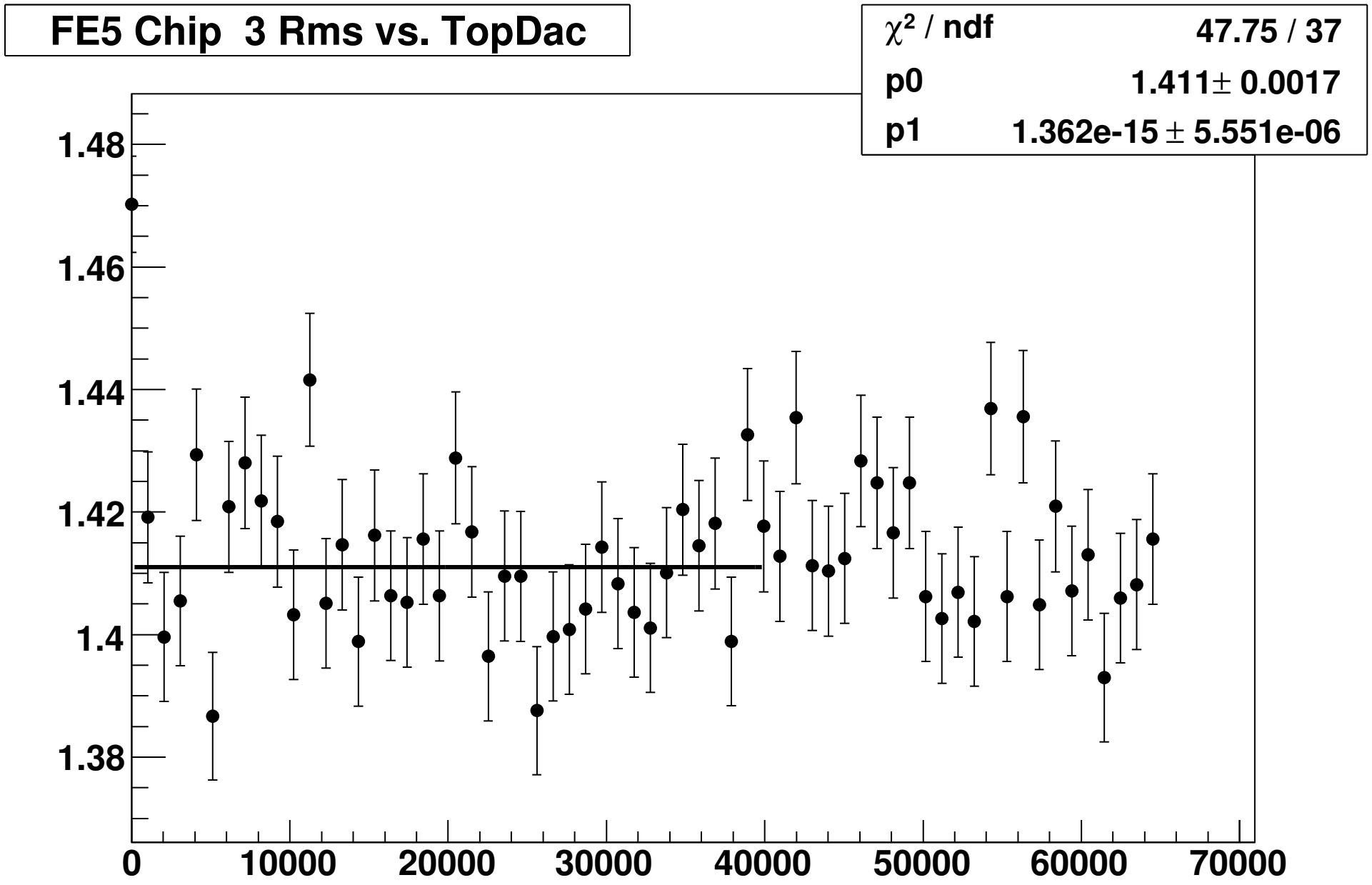
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 45.01 / 37
p0 1.459 ± 0.001758
p1 1.315e-16 ± 3.153e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 4.63e+04 / 37
p0 45.69 ± 0.005165
p1 0.4513 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1100 / 37
p0 1.37 ± 0.002809
p1 3.411e-05 ± 2.046e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 166.8 / 37
p0 46.2 ± 0.004897
p1 -2.032e-06 ± 2.083e-07
46.4
46.35
46.3
46.25
46.2
46.15
46.1
46.05
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 47.75 / 37
p0 1.411 ± 0.0017
p1 1.362e-15 ± 5.551e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
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40000
50000
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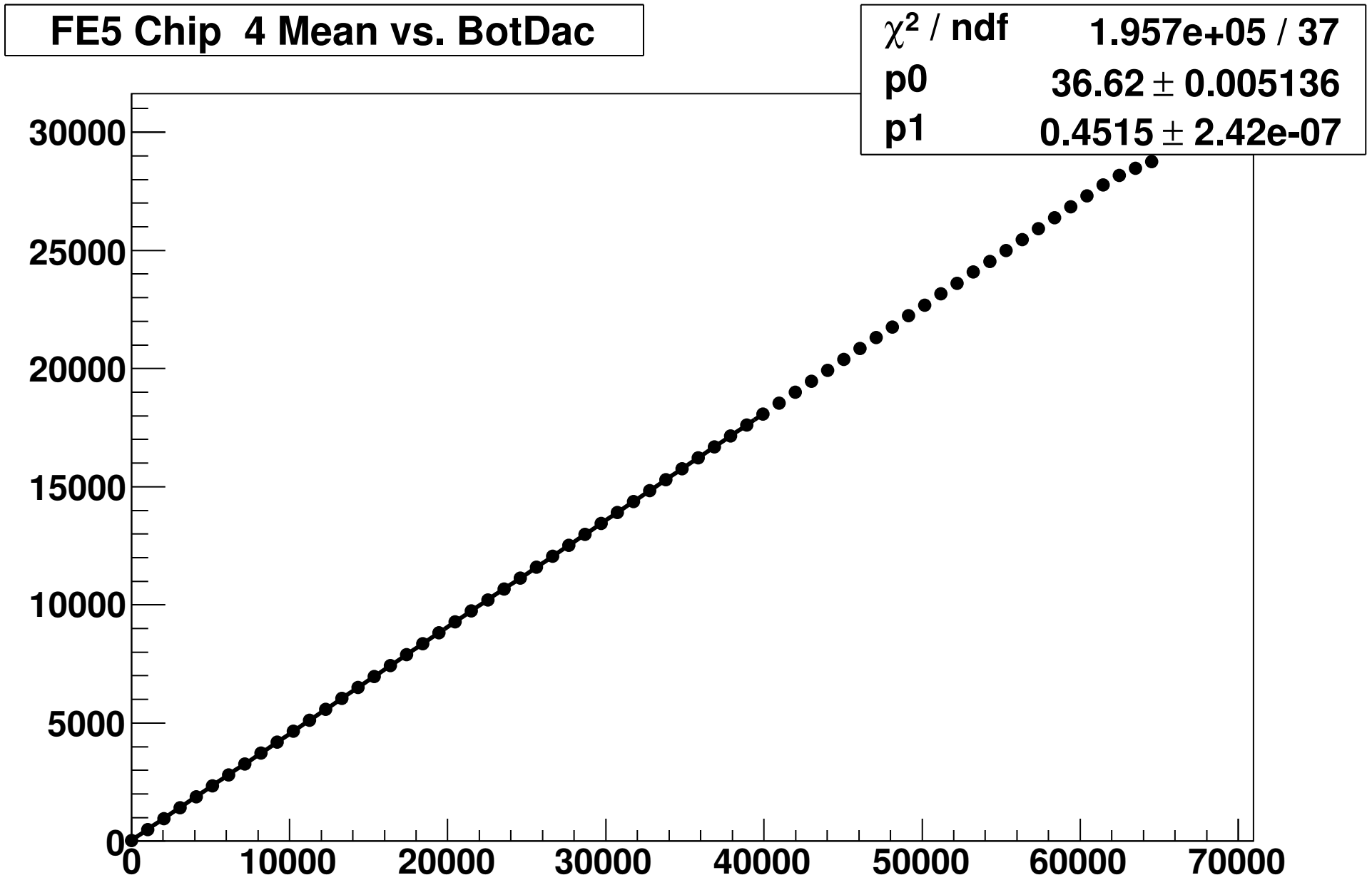
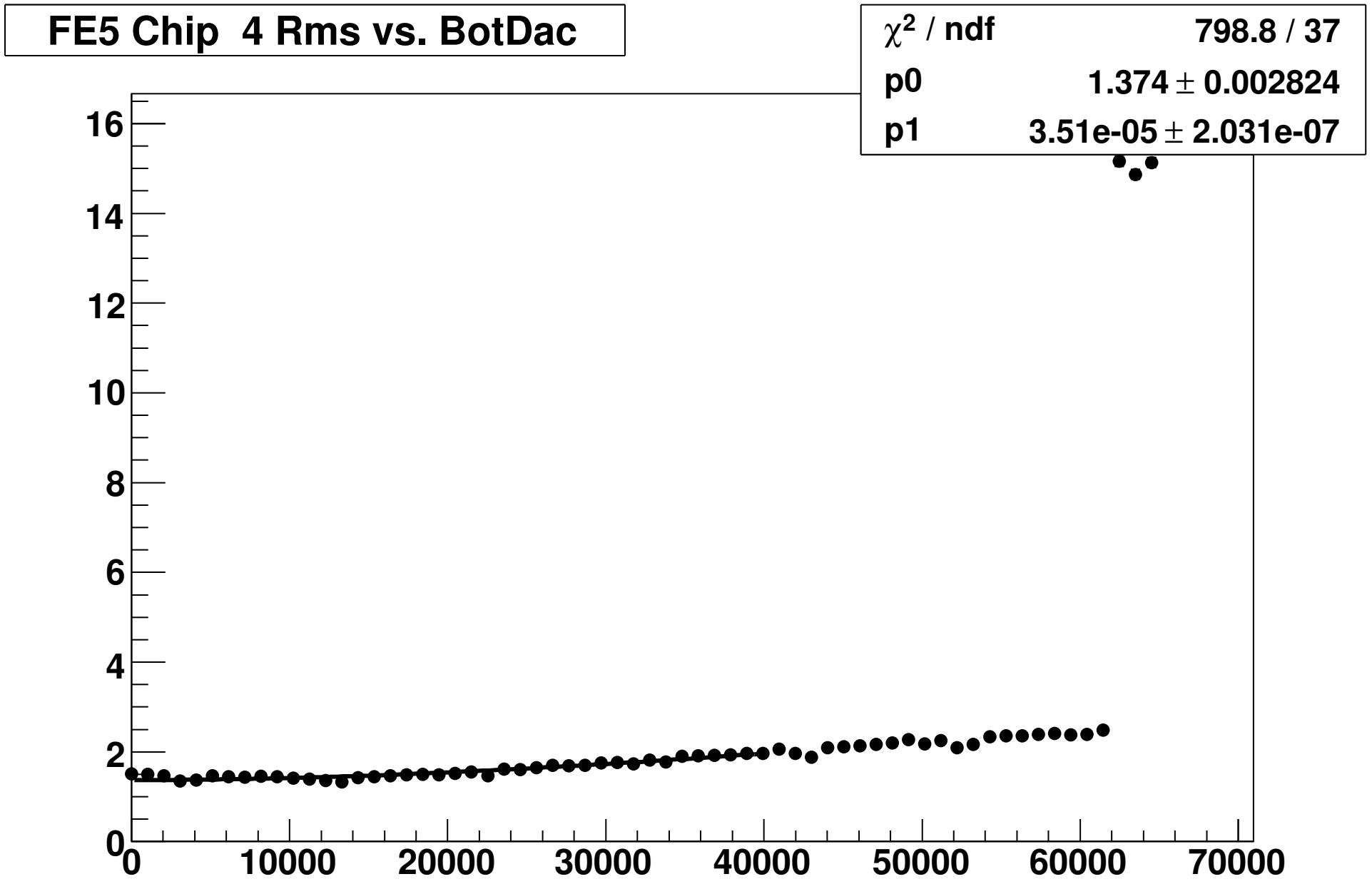
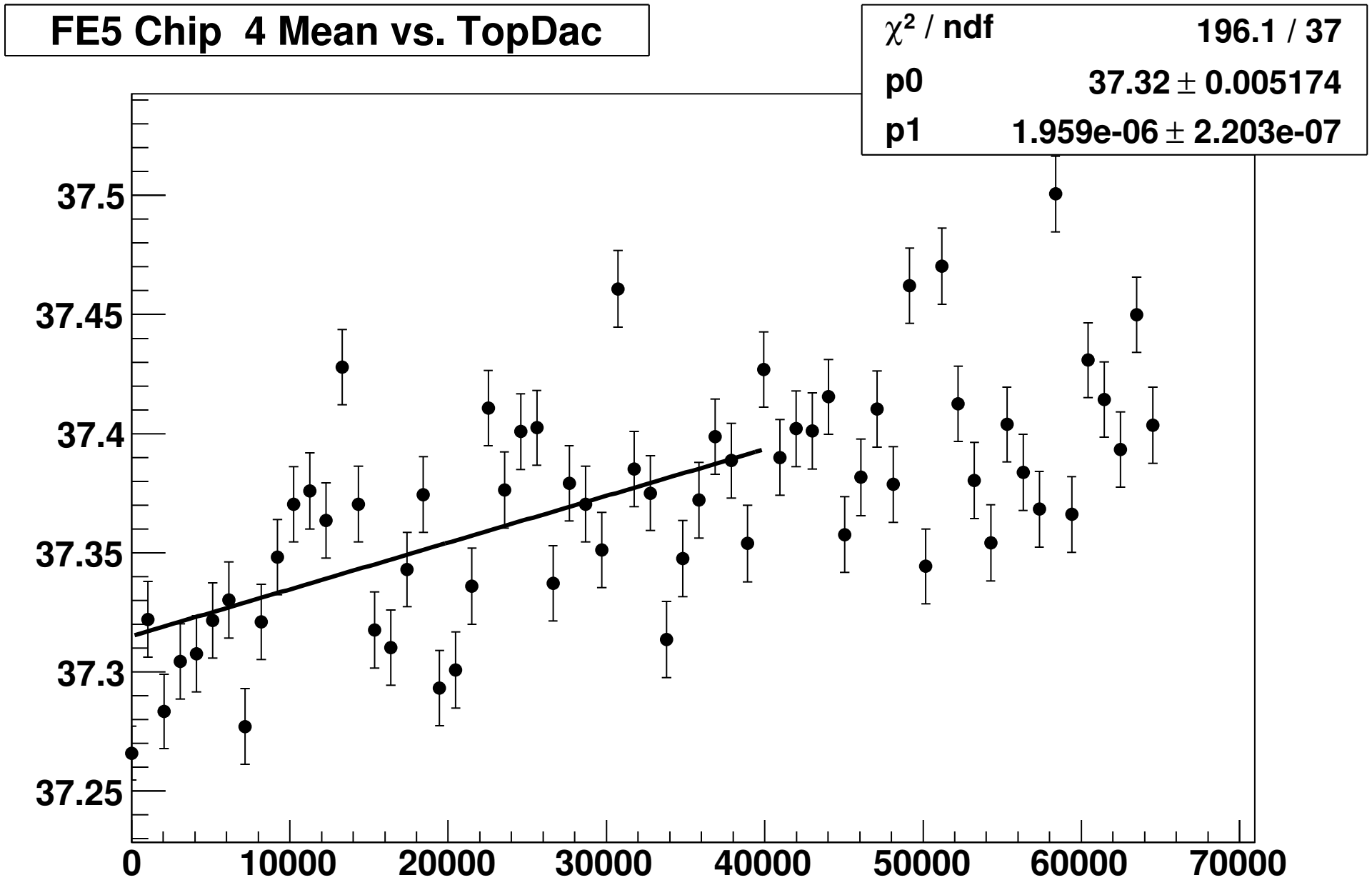
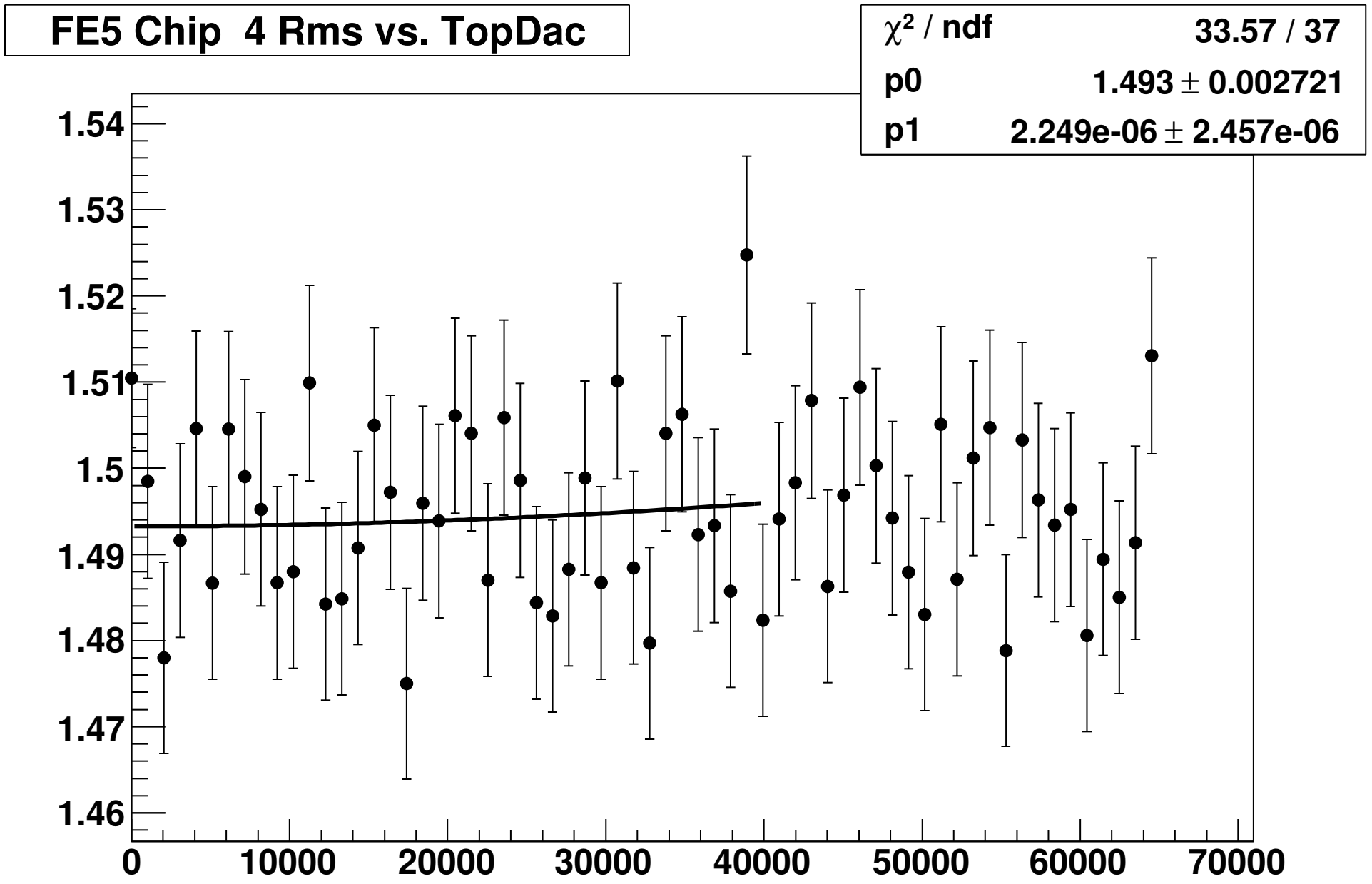
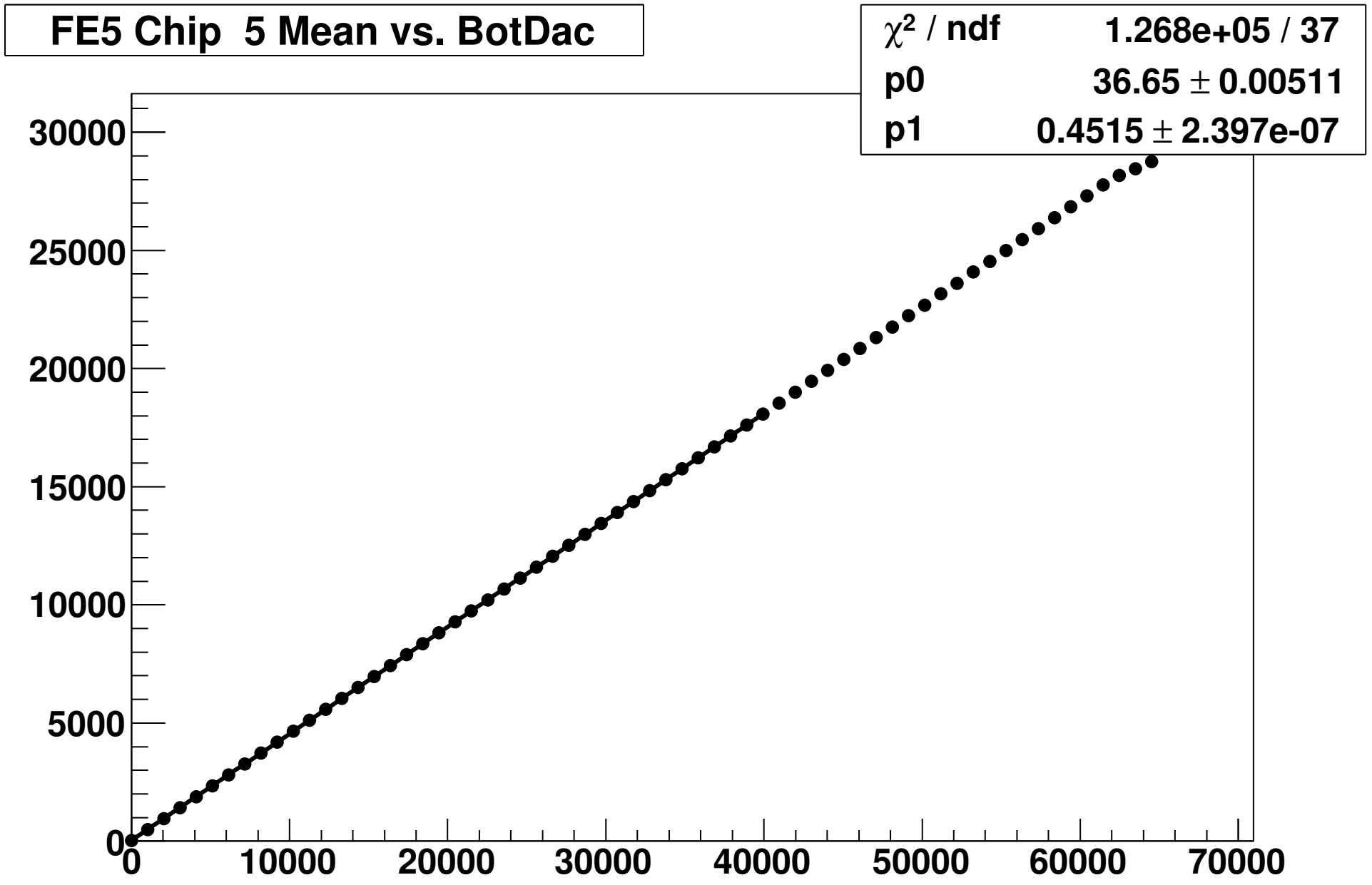
70000

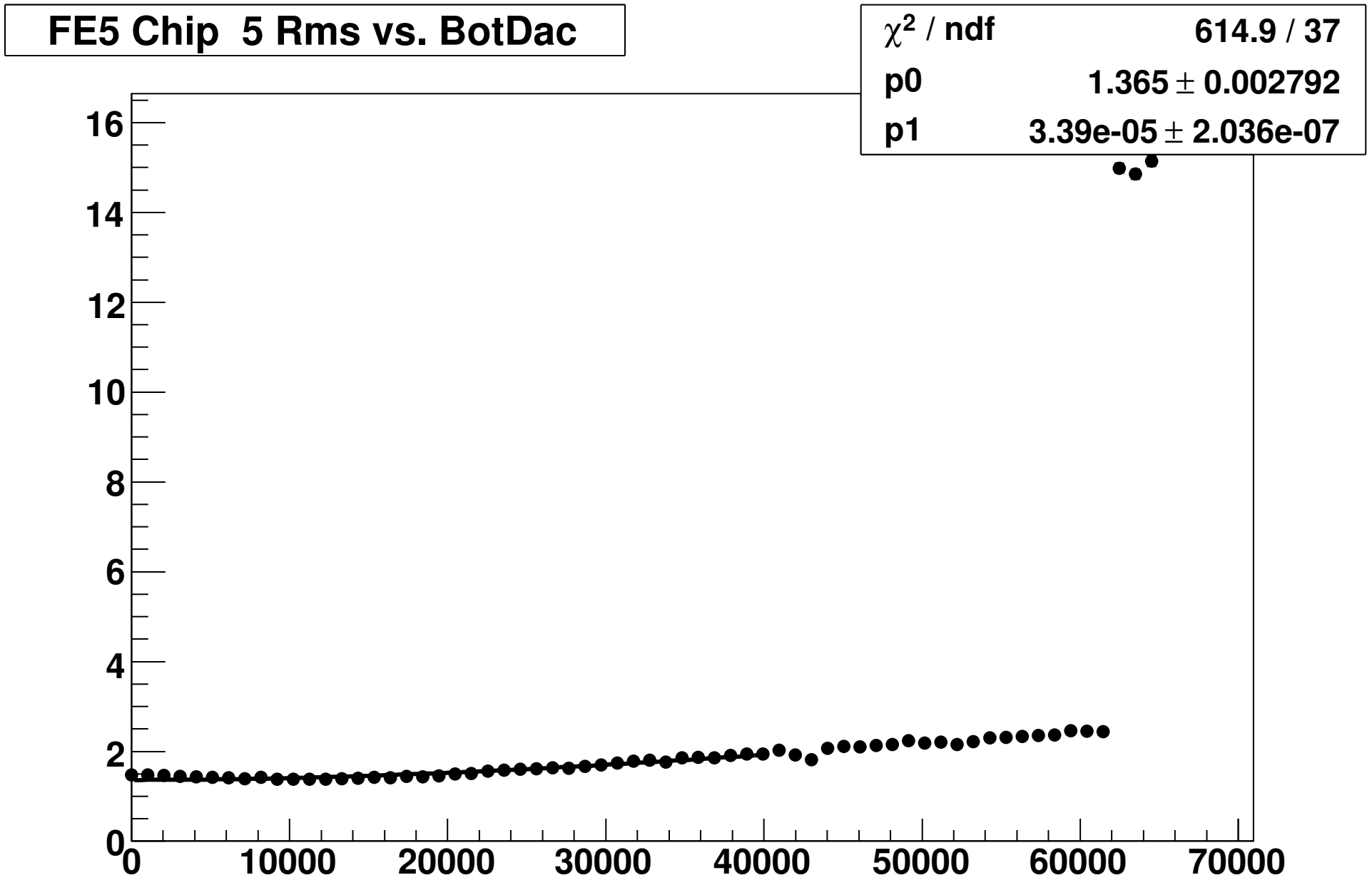

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.957e+05 / 37
p0 36.62 ± 0.005136
p1 0.4515 ± 2.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

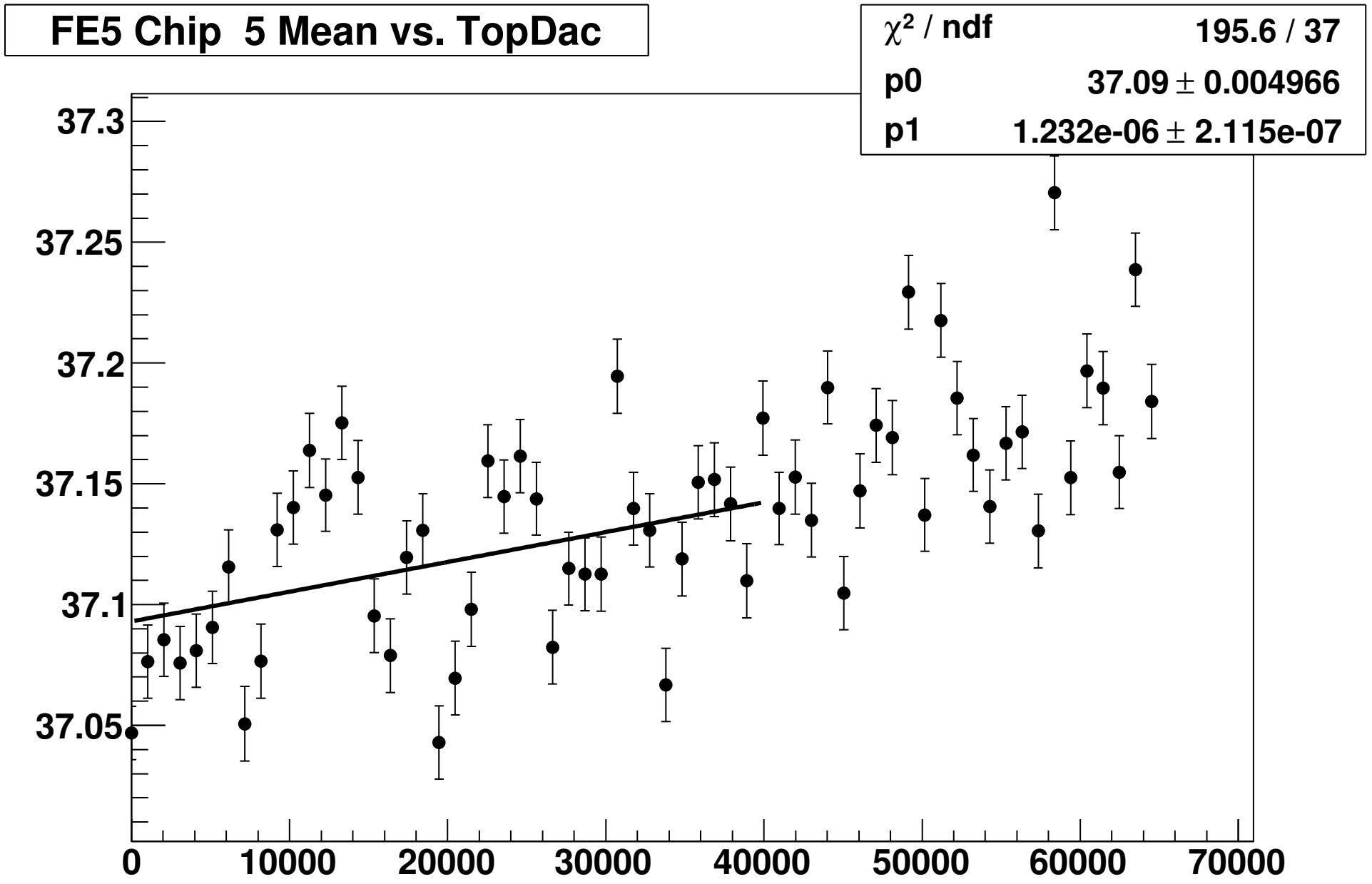

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 798.8 / 37
p0 1.374 ± 0.002824
p1 3.51e-05 ± 2.031e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

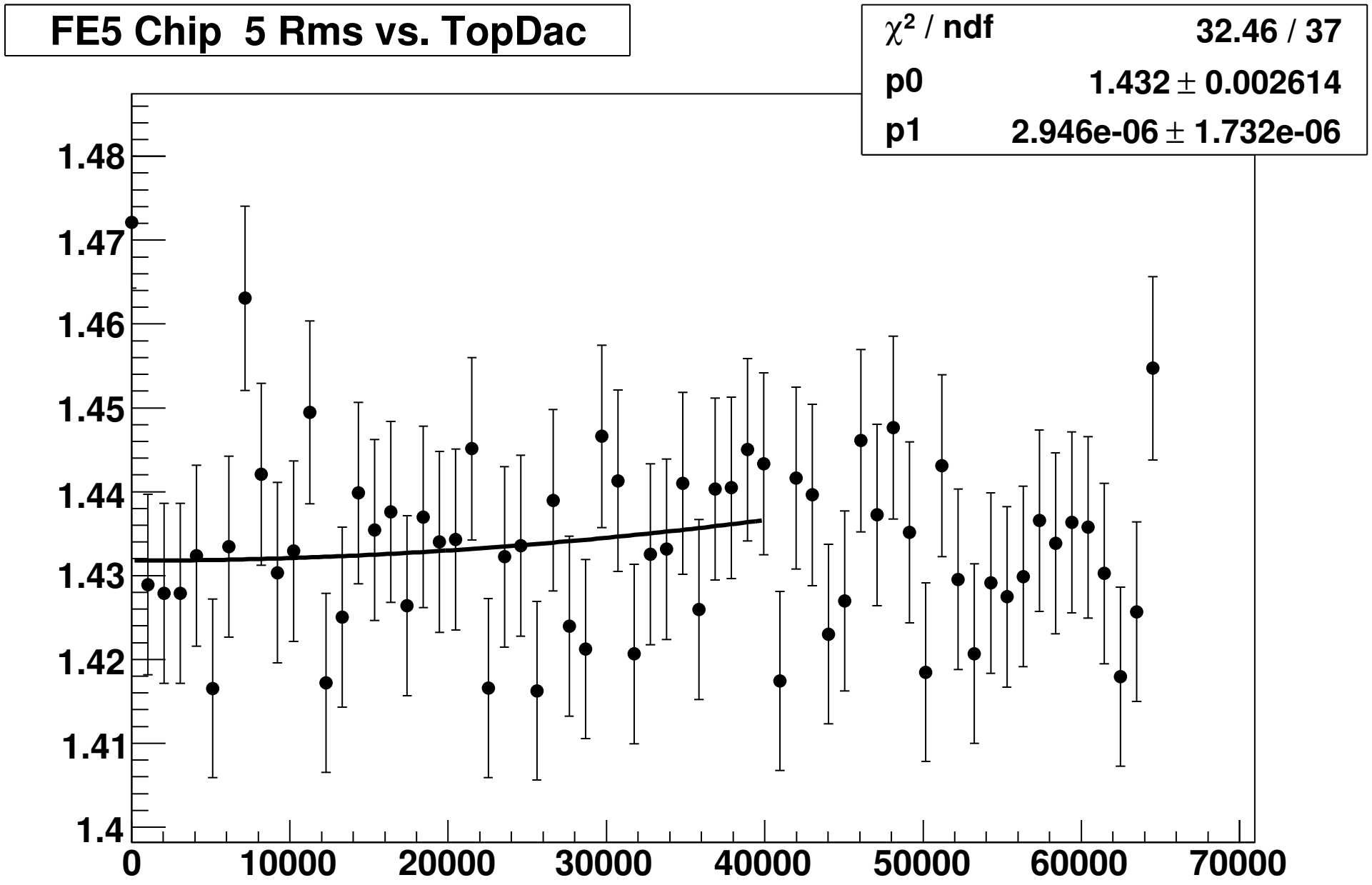

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 196.1 / 37
p0 37.32 ± 0.005174
p1 1.959e-06 ± 2.203e-07
37.5
37.45
37.4
37.35
37.3
37.25
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 33.57 / 37
p0 1.493 ± 0.002721
p1 2.249e-06 ± 2.457e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.268e+05 / 37
p0 36.65 ± 0.00511
p1 0.4515 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 614.9 / 37
p0 1.365 ± 0.002792
p1 3.39e-05 ± 2.036e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 195.6 / 37
p0 37.09 ± 0.004966
p1 1.232e-06 ± 2.115e-07
37.3
37.25
37.2
37.15
37.1
37.05
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 32.46 / 37
p0 1.432 ± 0.002614
p1 2.946e-06 ± 1.732e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
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20000
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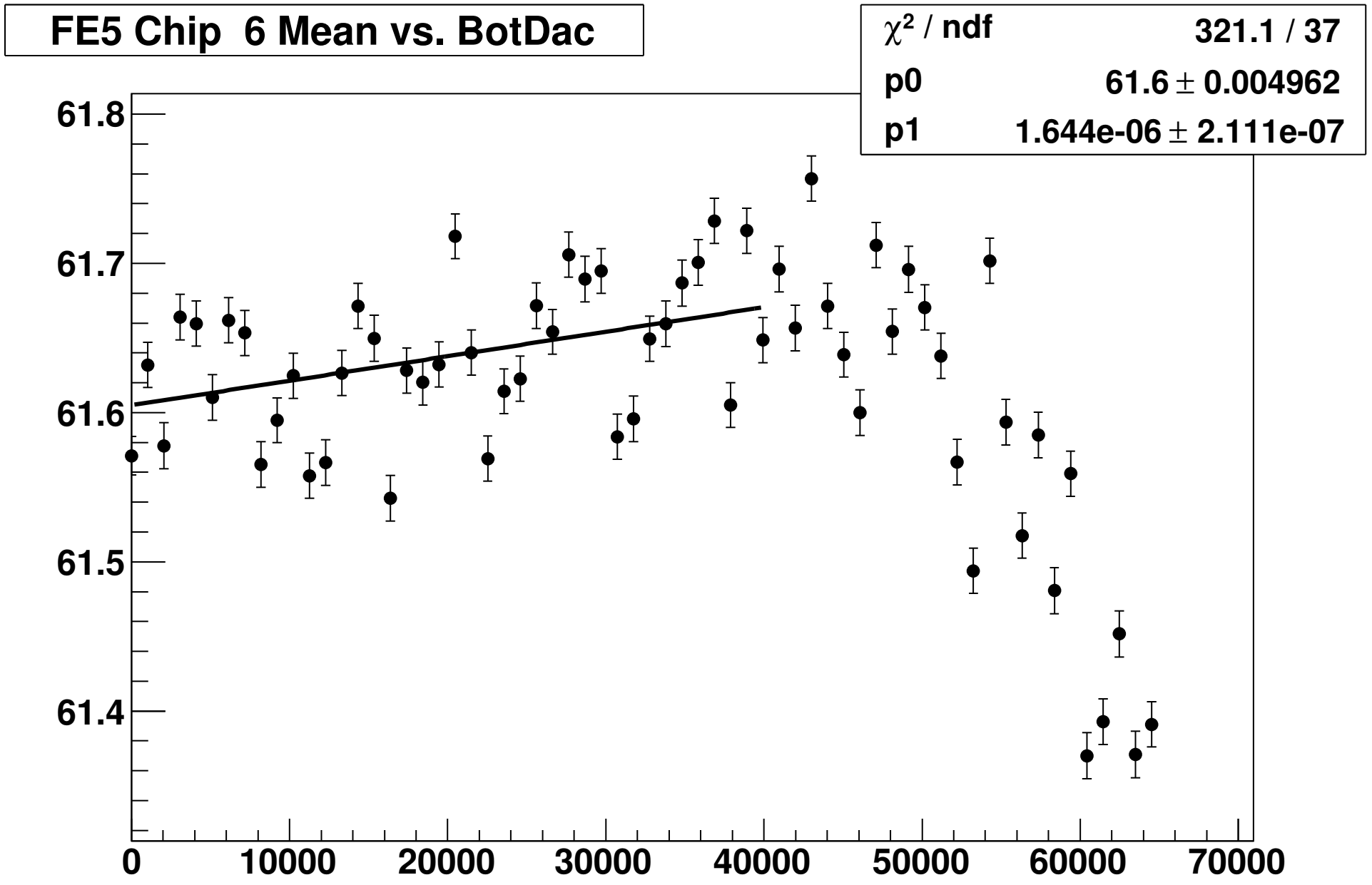
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 321.1 / 37
p0 61.6 ± 0.004962
p1 1.644e-06 ± 2.111e-07
61.8
61.7
61.6
61.5
61.4
0
10000
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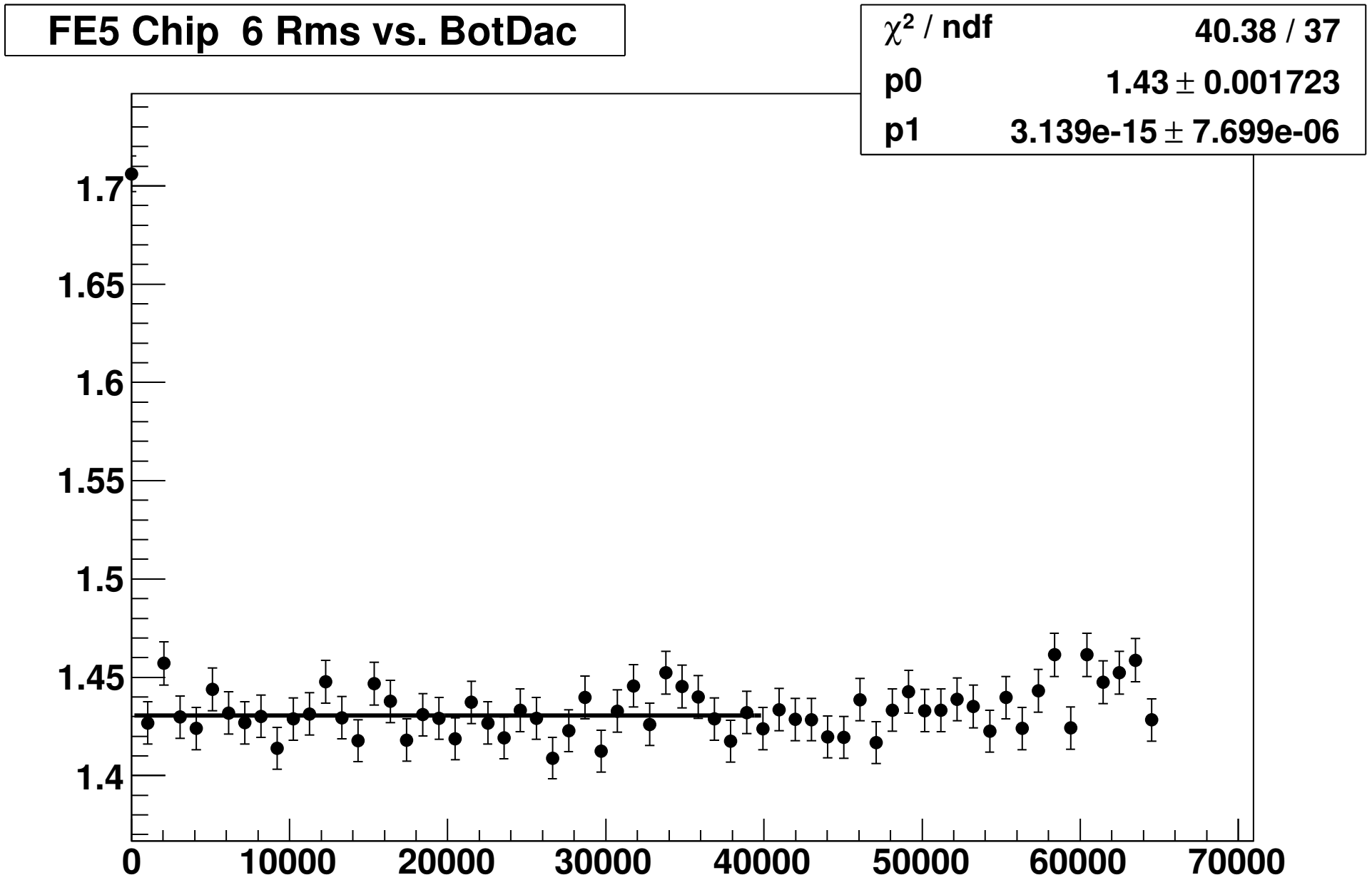
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 40.38 / 37
p0 1.43 ± 0.001723
p1 3.139e-15 ± 7.699e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
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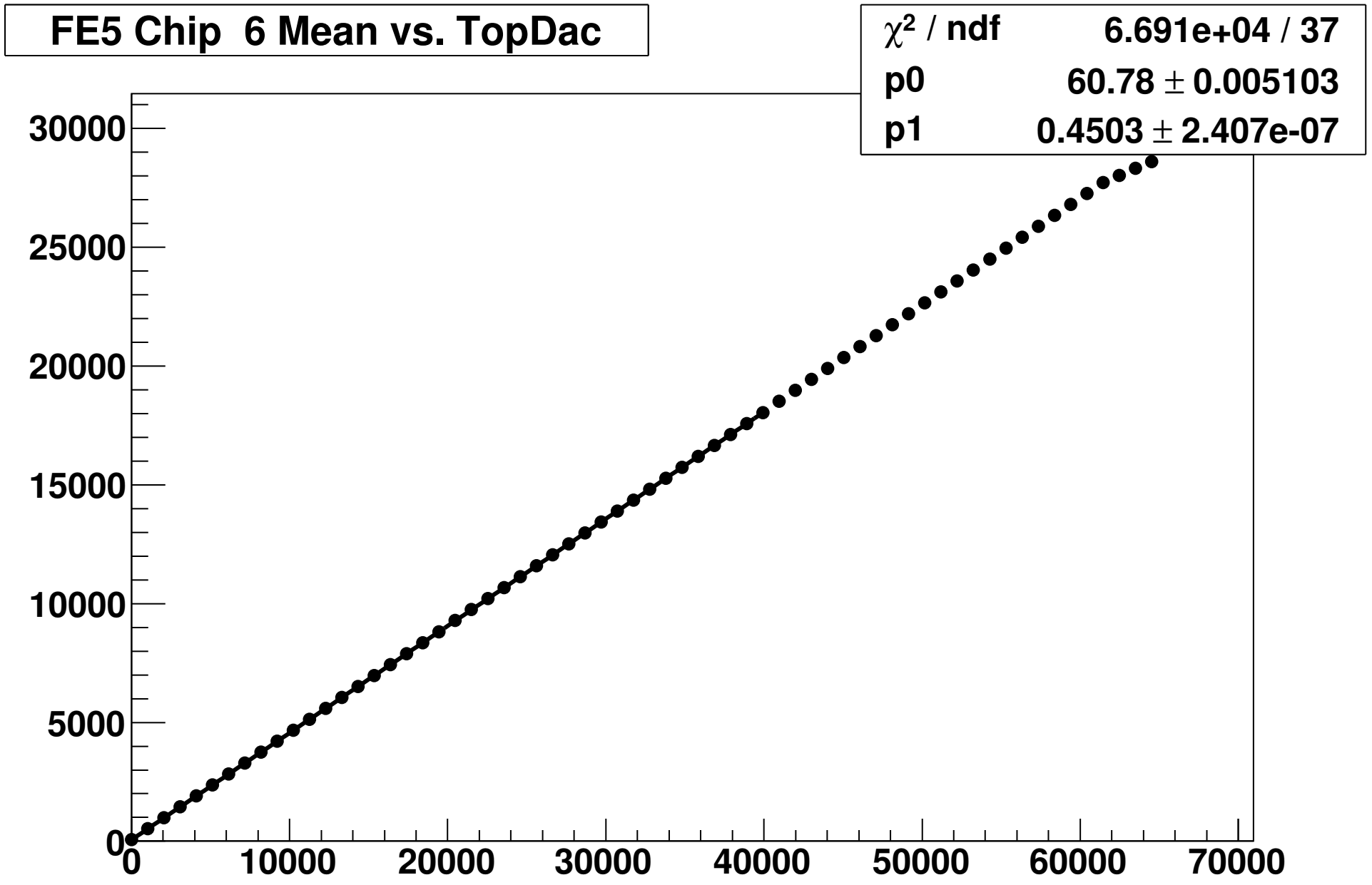
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 6.691e+04 / 37
p0 60.78 ± 0.005103
p1 0.4503 ± 2.407e-07
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25000
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15000
10000
5000
0
0
10000
20000
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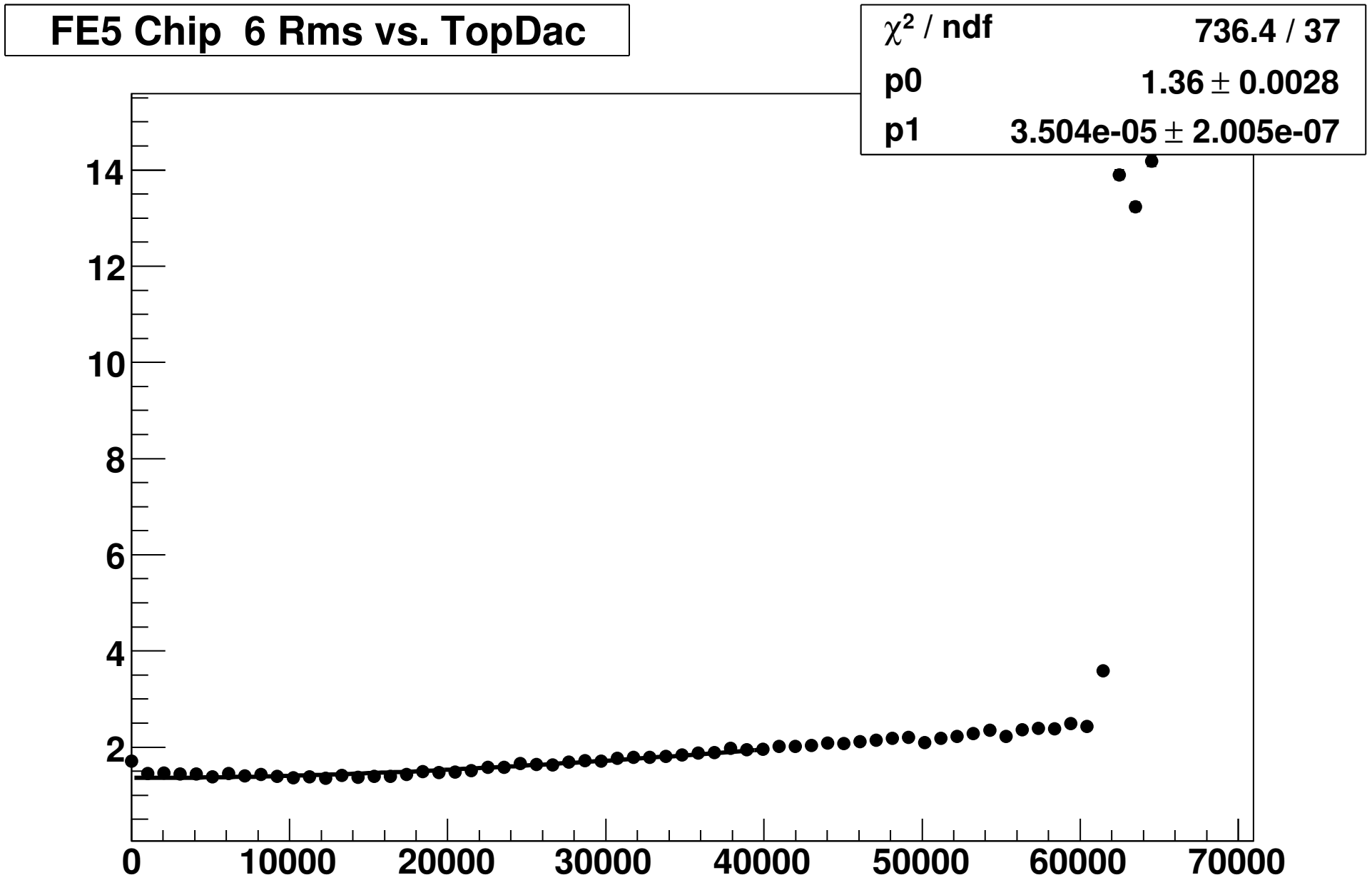
FE5 Chip 6 Rms vs. TopDac
χ² / ndf 736.4 / 37
p0 1.36 ± 0.0028
p1 3.504e-05 ± 2.005e-07
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10
8
6
4
2
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10000
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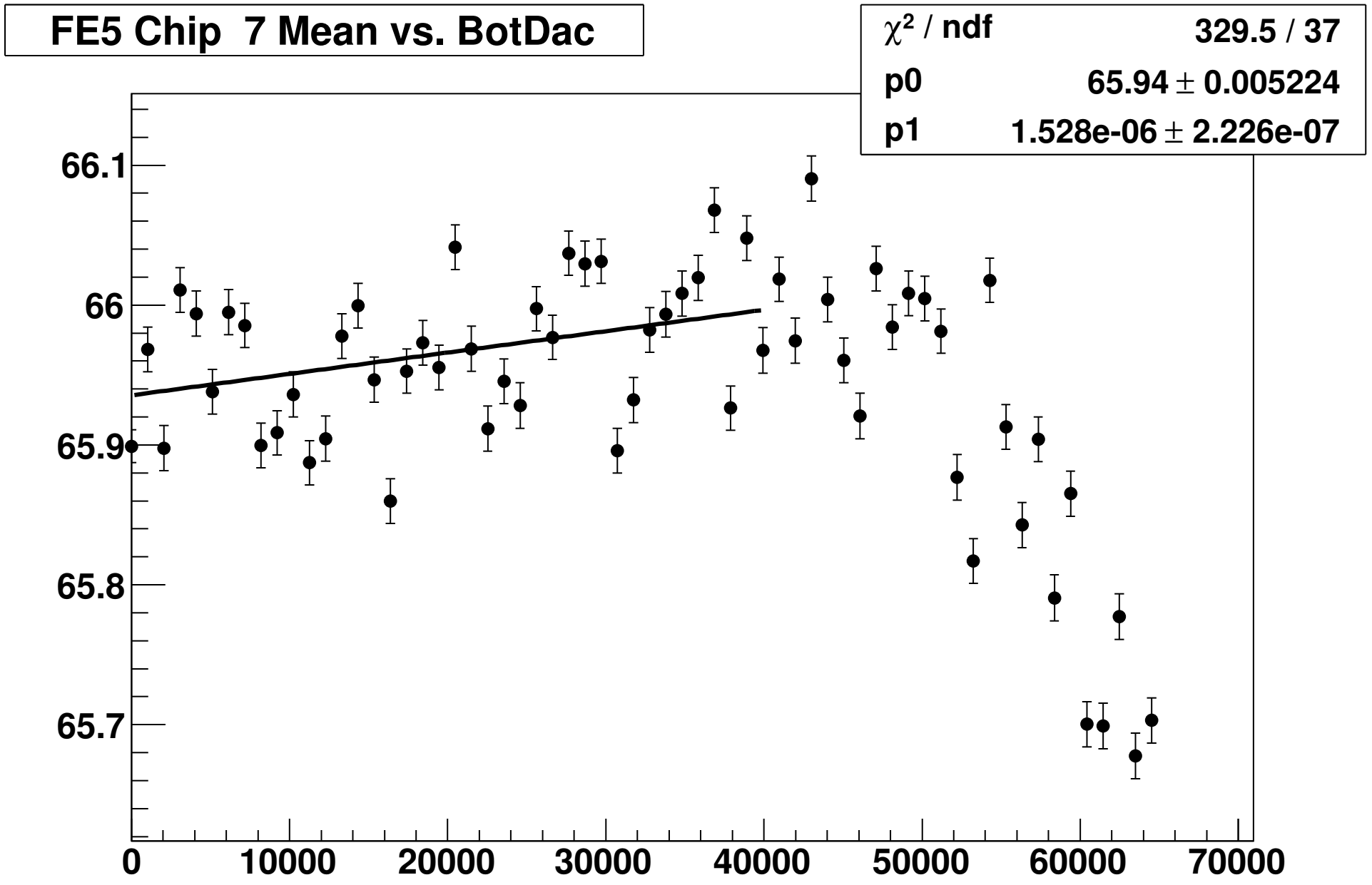
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 329.5 / 37
p0 65.94 ± 0.005224
p1 1.528e-06 ± 2.226e-07
66.1
66
65.9
65.8
65.7
0
10000
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40000
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60000
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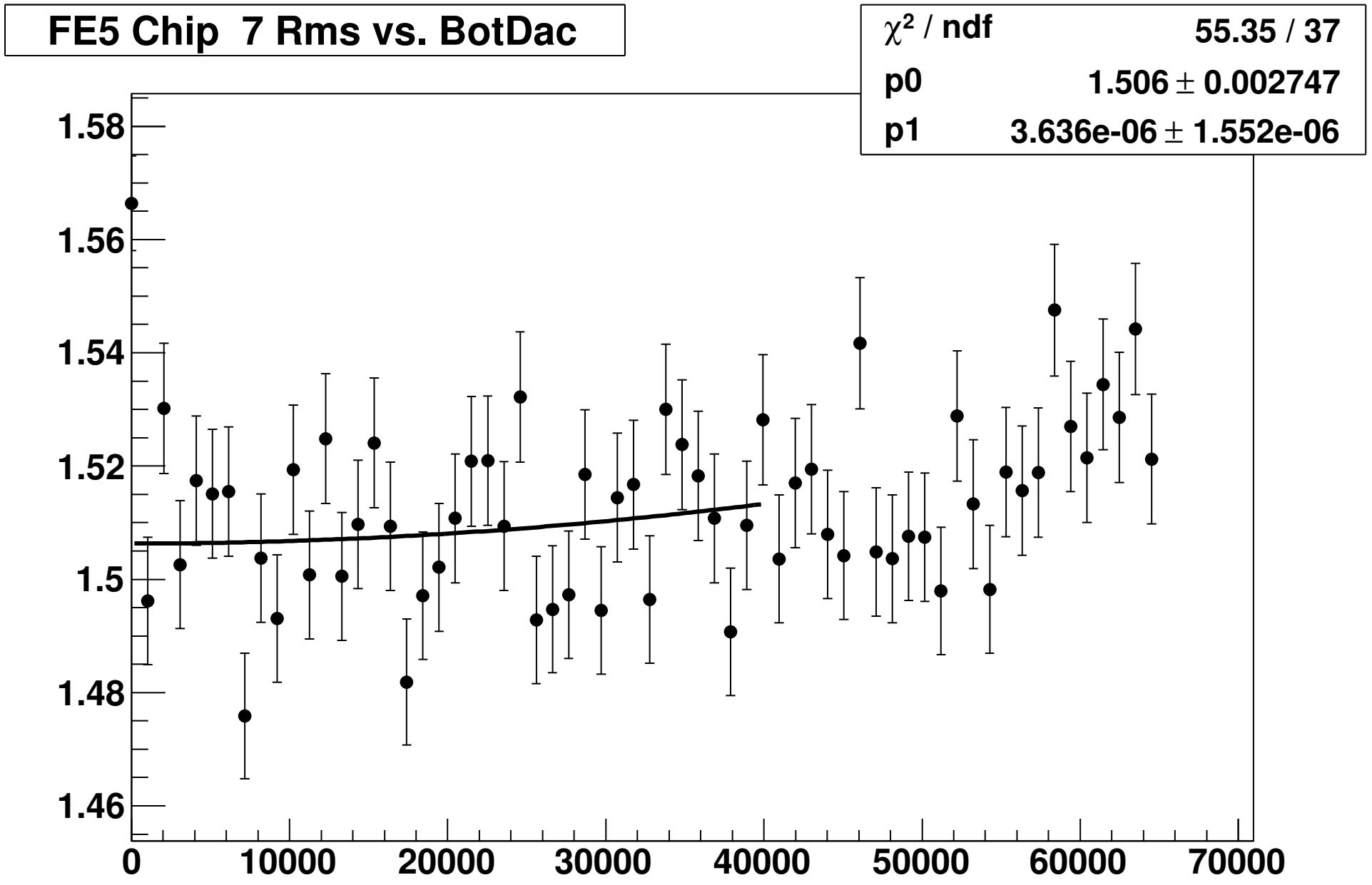
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 55.35 / 37
p0 1.506 ± 0.002747
p1 3.636e-06 ± 1.552e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
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10000
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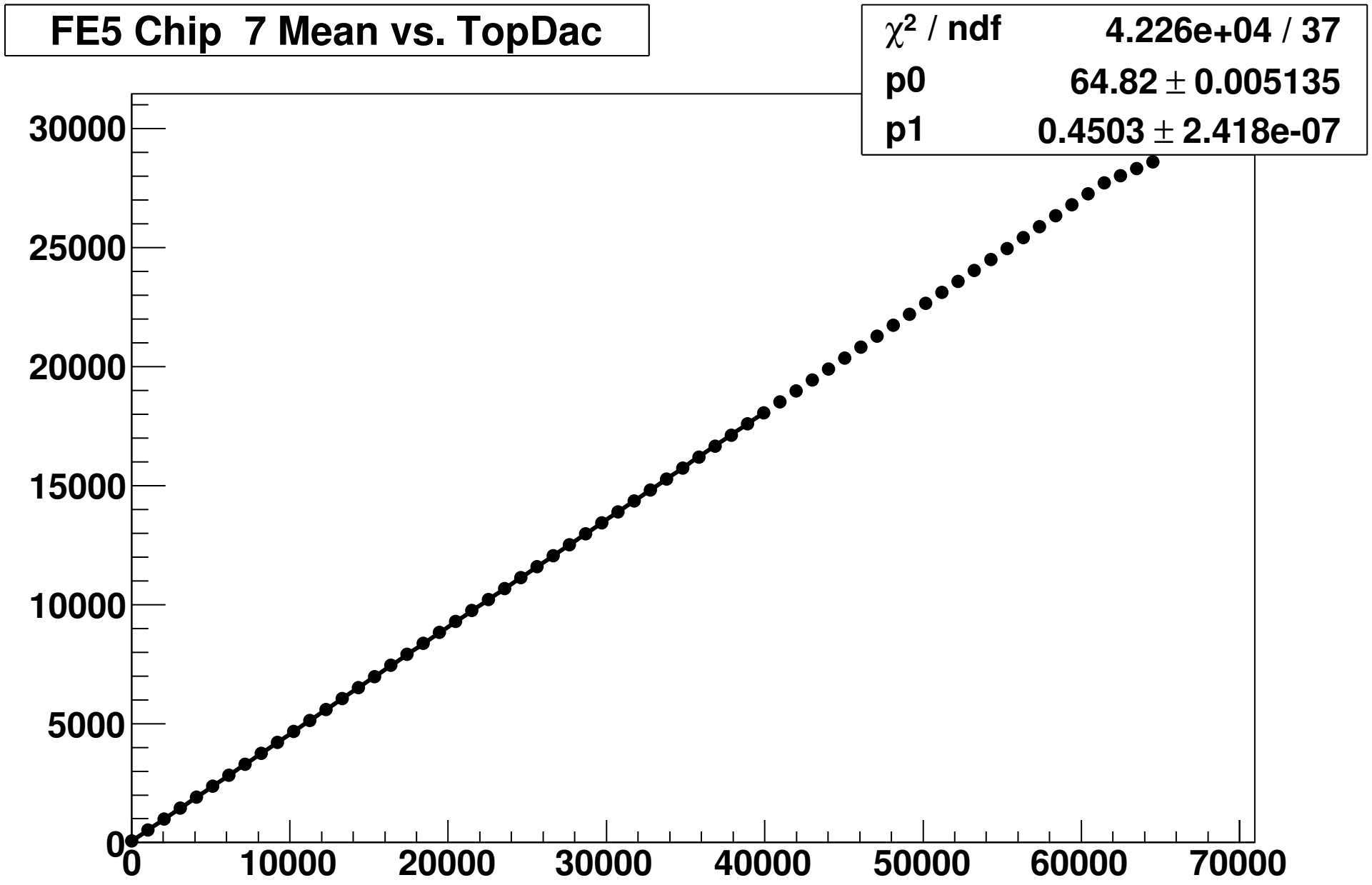
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 4.226e+04 / 37
p0 64.82 ± 0.005135
p1 0.4503 ± 2.418e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
40000
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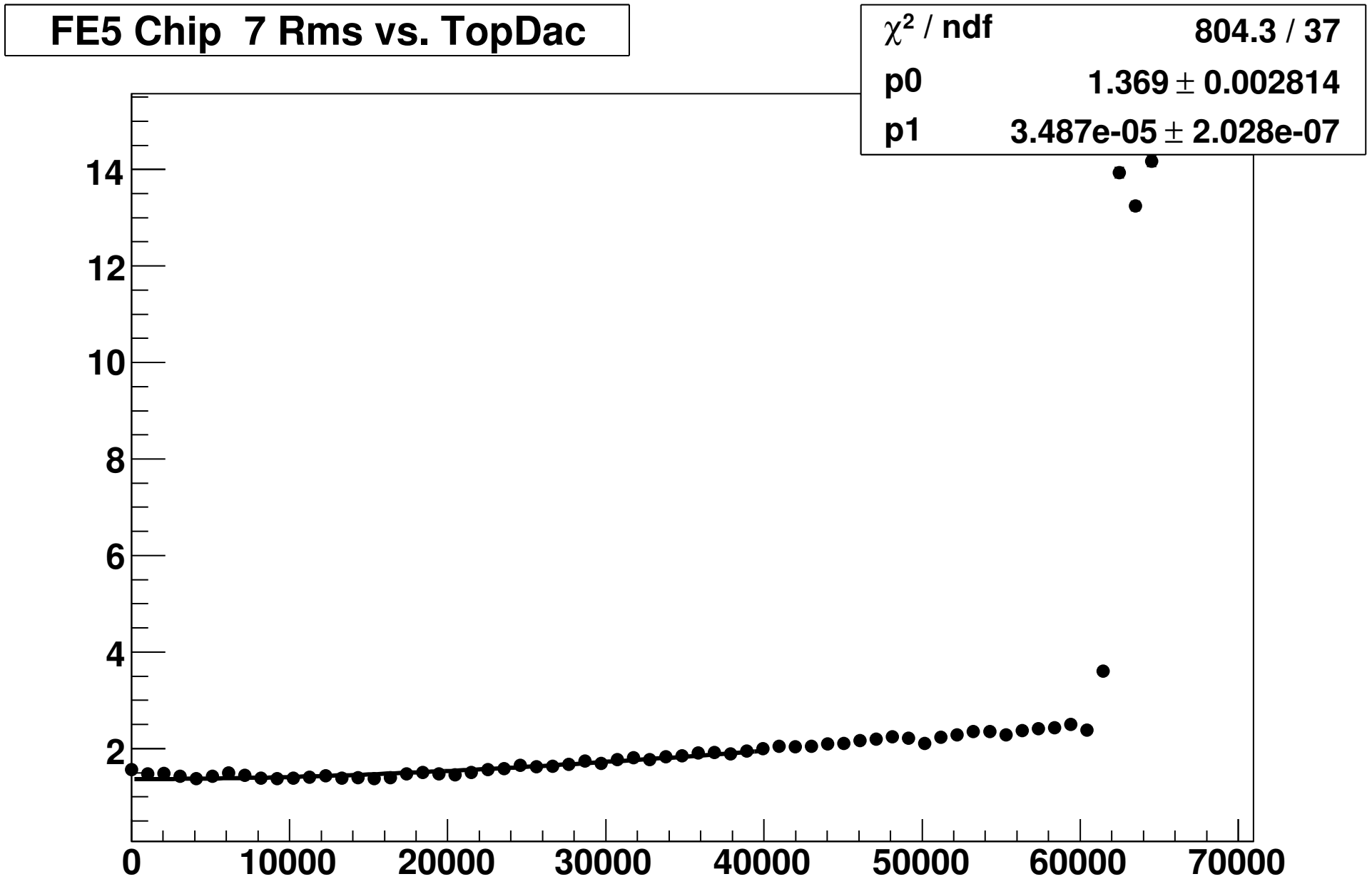
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 804.3 / 37
p0 1.369 ± 0.002814
p1 3.487e-05 ± 2.028e-07
14
12
10
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6
4
2
0
10000
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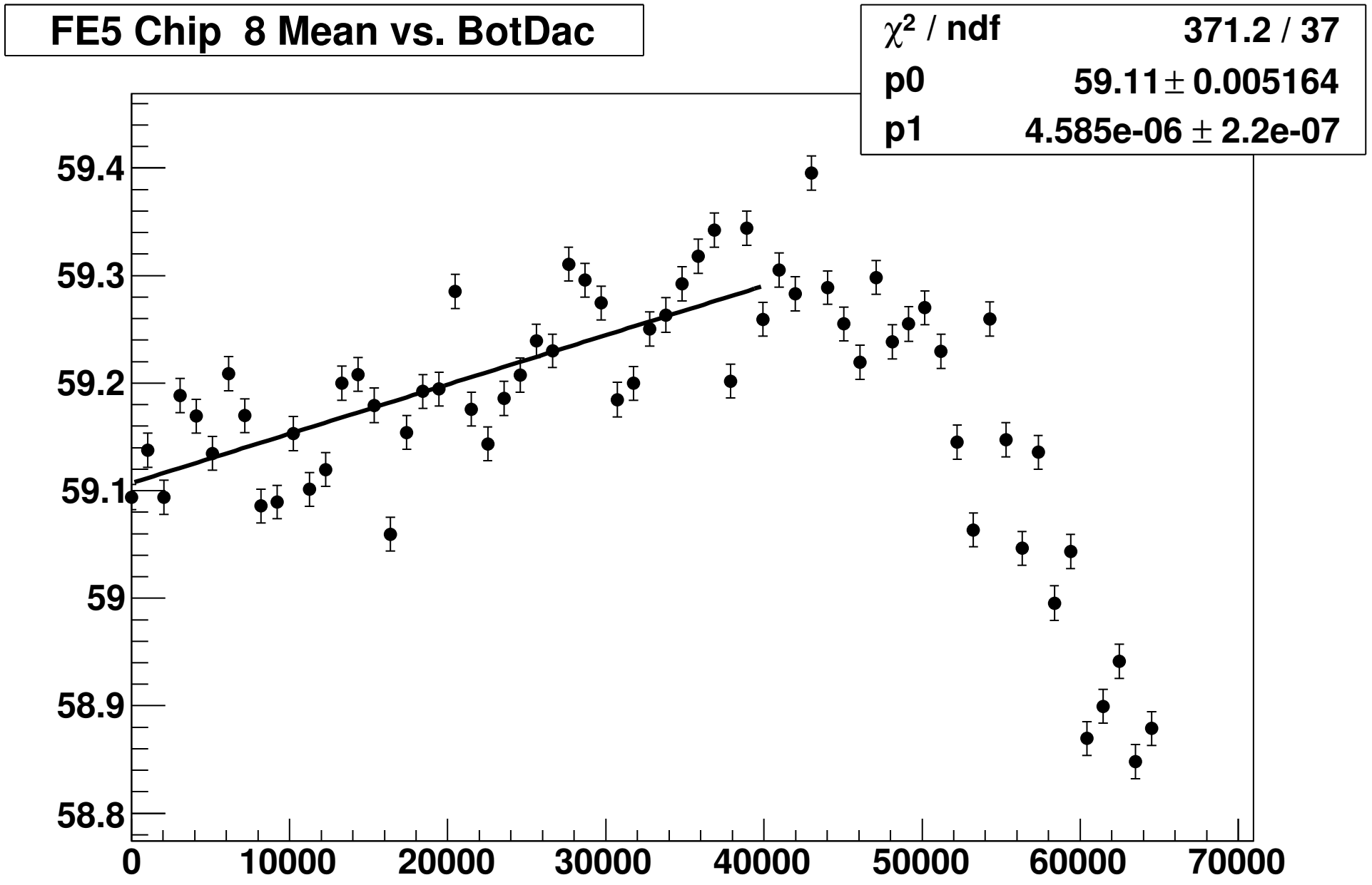
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 371.2 / 37
p0 59.11 ± 0.005164
p1 4.585e-06 ± 2.2e-07
59.4
59.3
59.2
59.1
59
58.9
58.8
0
10000
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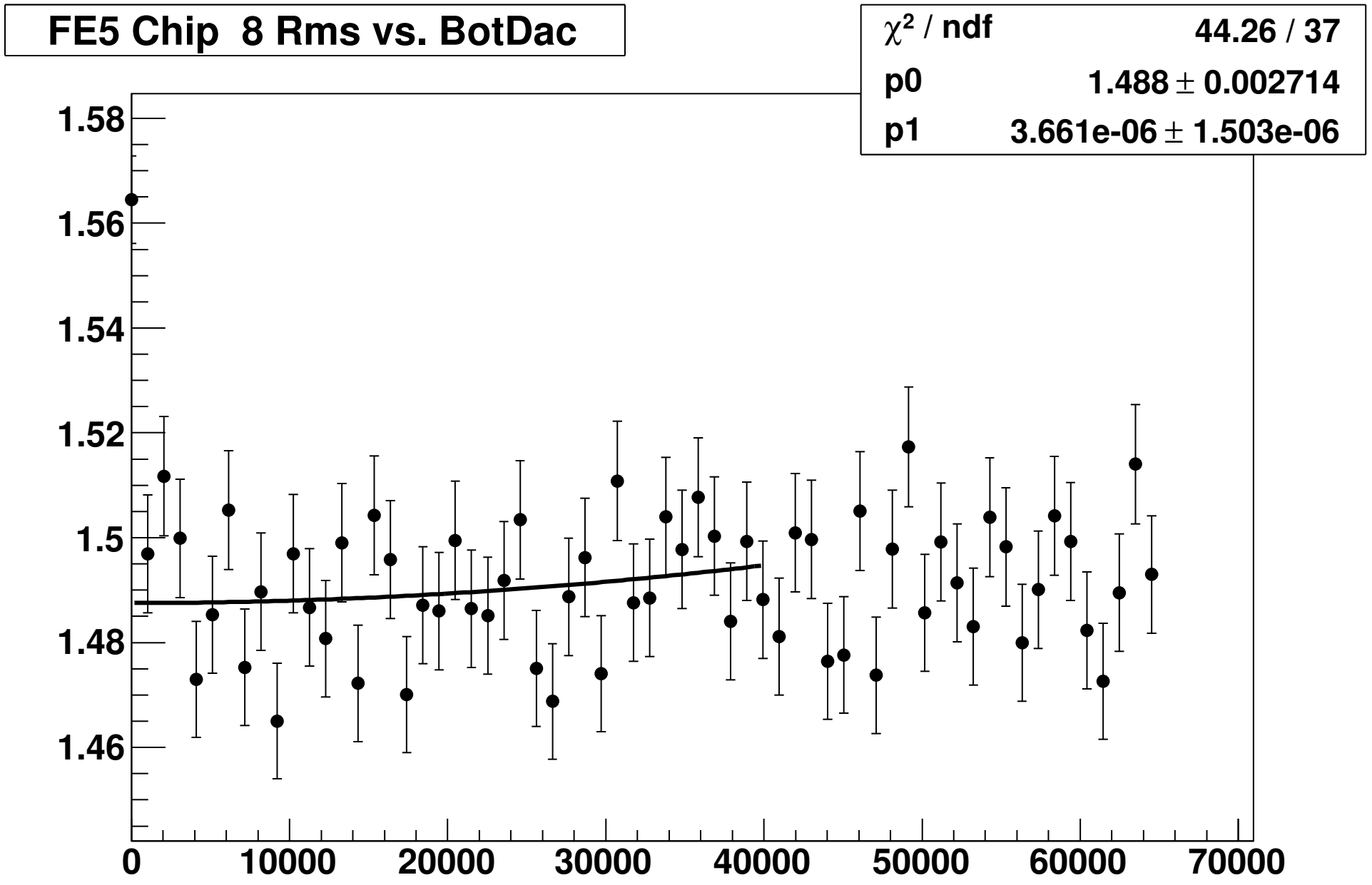
FE5 Chip 8 Rms vs. BotDac
χ² / ndf 44.26 / 37
p0 1.488 ± 0.002714
p1 3.661e-06 ± 1.503e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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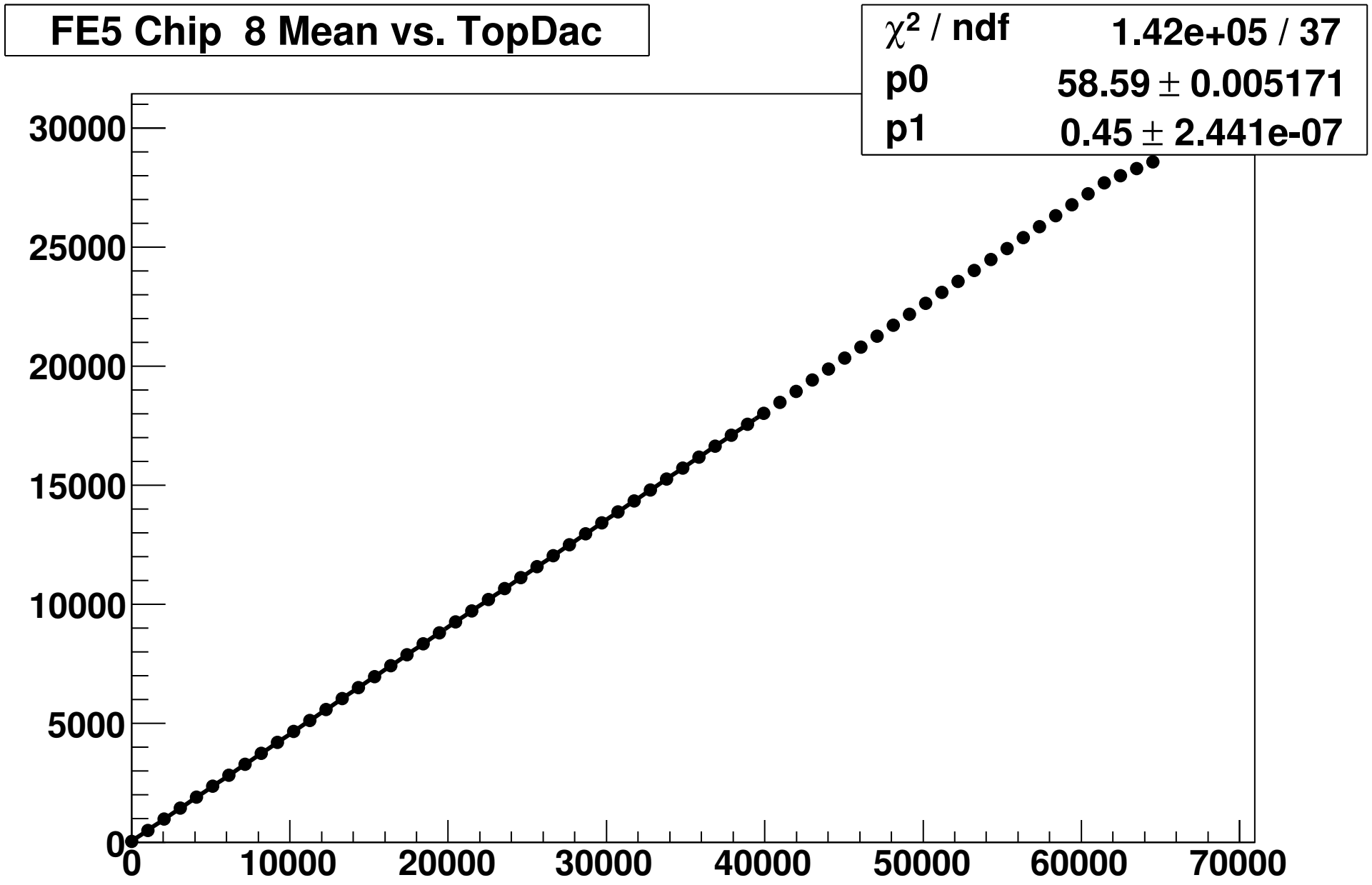
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.42e+05 / 37
p0 58.59 ± 0.005171
p1 0.45 ± 2.441e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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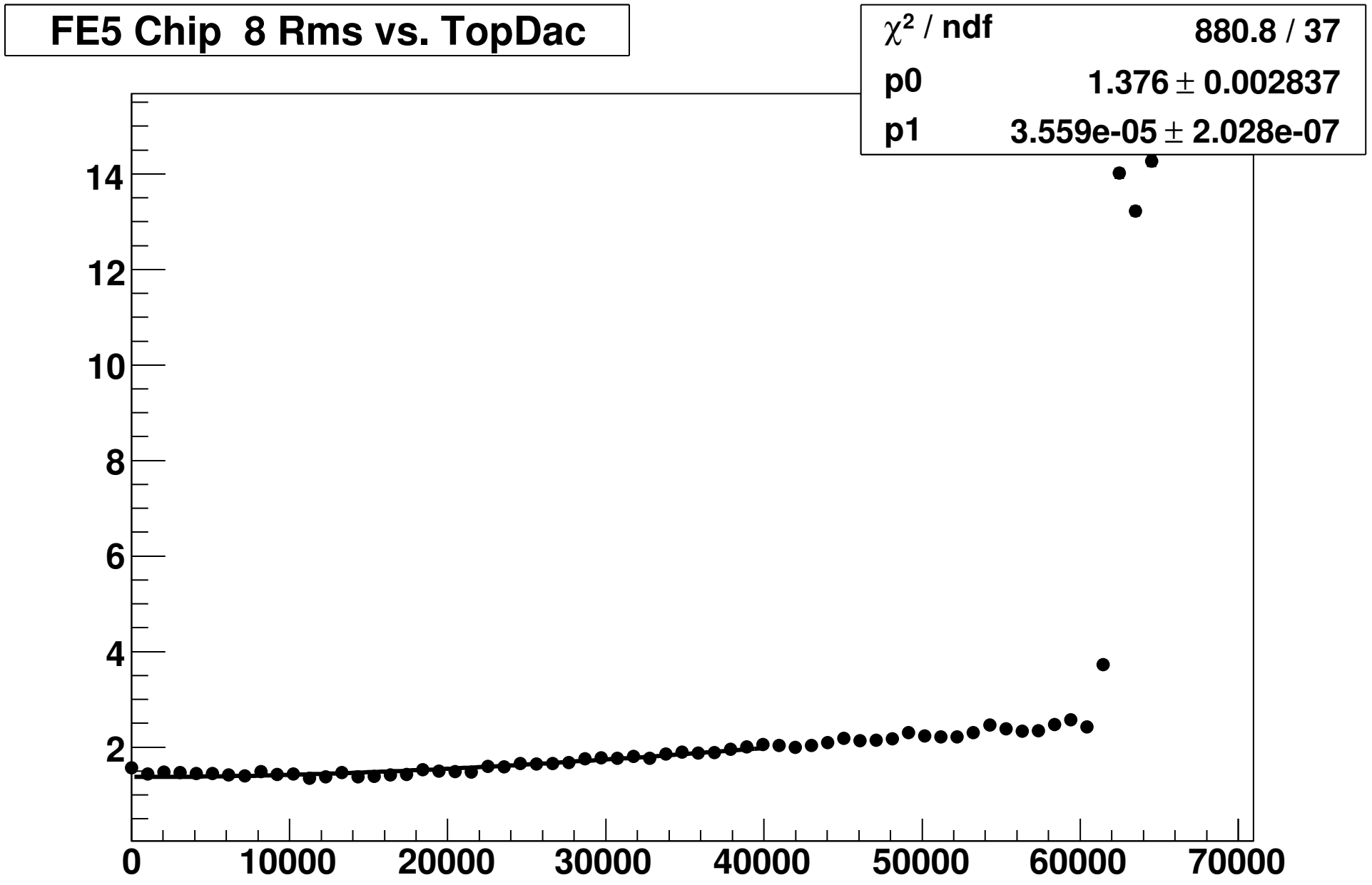
FE5 Chip 8 Rms vs. TopDac
χ² / ndf 880.8 / 37
p0 1.376 ± 0.002837
p1 3.559e-05 ± 2.028e-07
14
12
10
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6
4
2
0
10000
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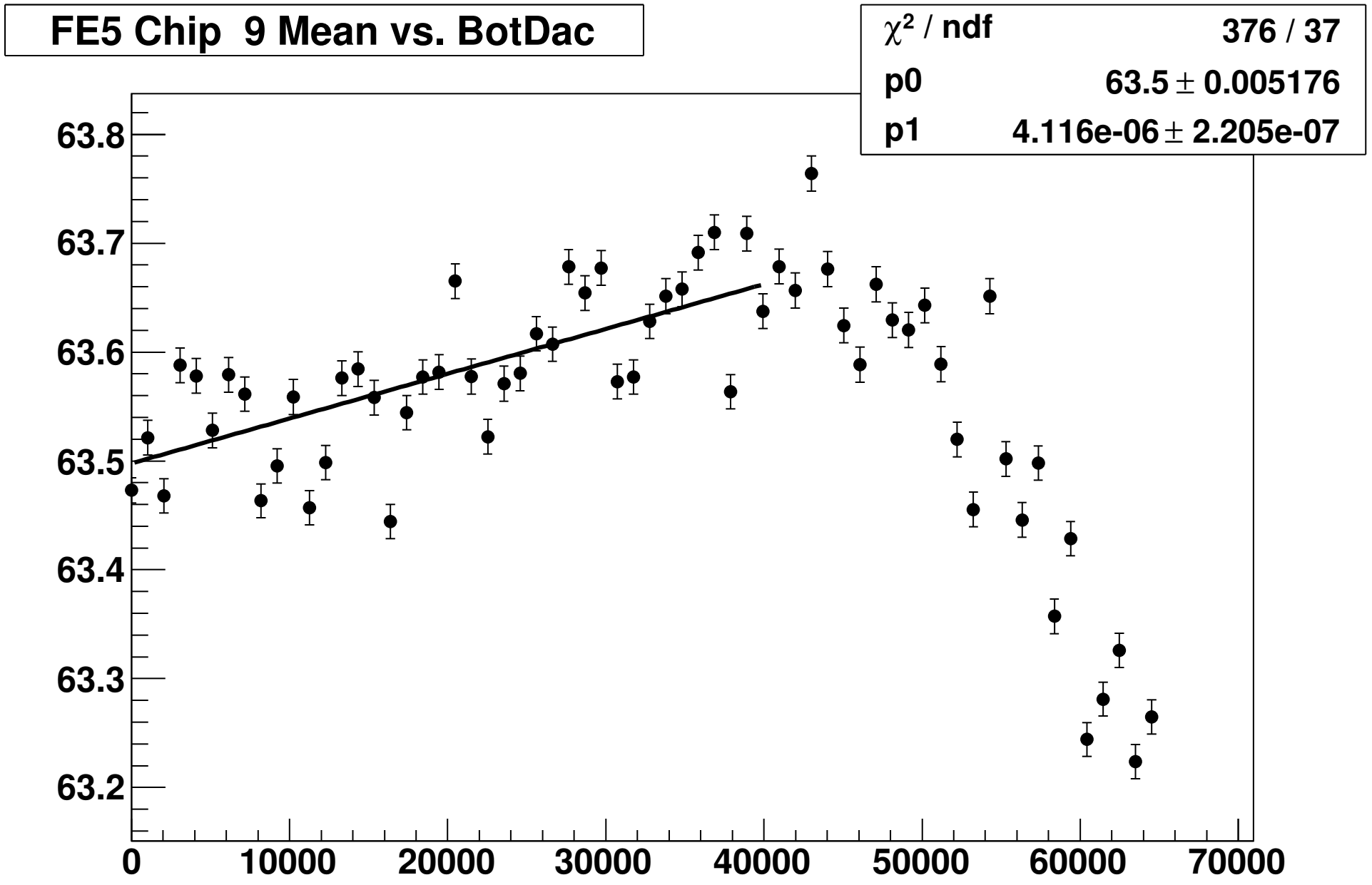
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 376 / 37
p0 63.5 ± 0.005176
p1 4.116e-06 ± 2.205e-07
63.8
63.7
63.6
63.5
63.4
63.3
63.2
0
10000
20000
30000
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50000
60000
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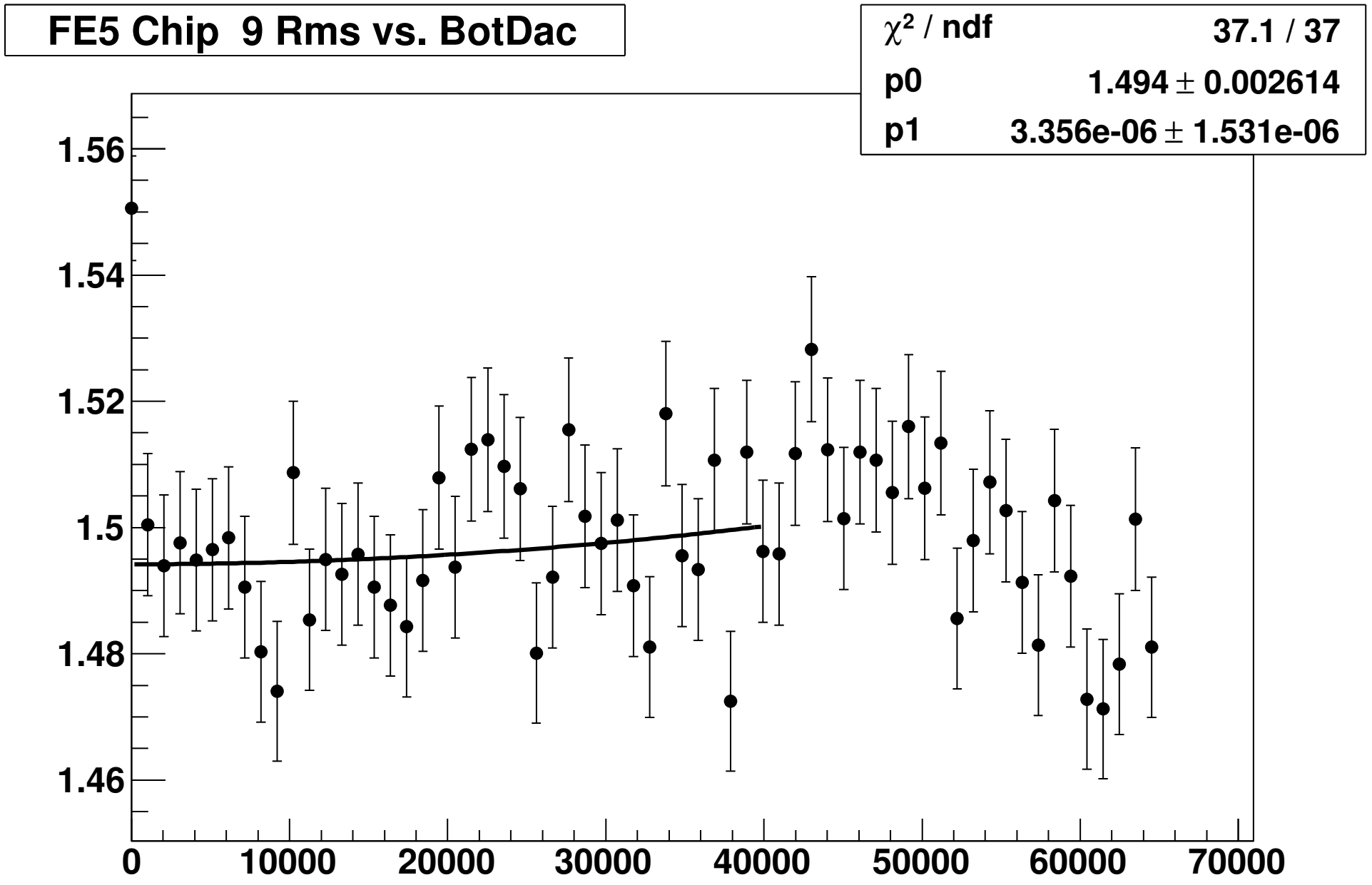
FE5 Chip 9 Rms vs. BotDac
χ² / ndf 37.1 / 37
p0 1.494 ± 0.002614
p1 3.356e-06 ± 1.531e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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60000
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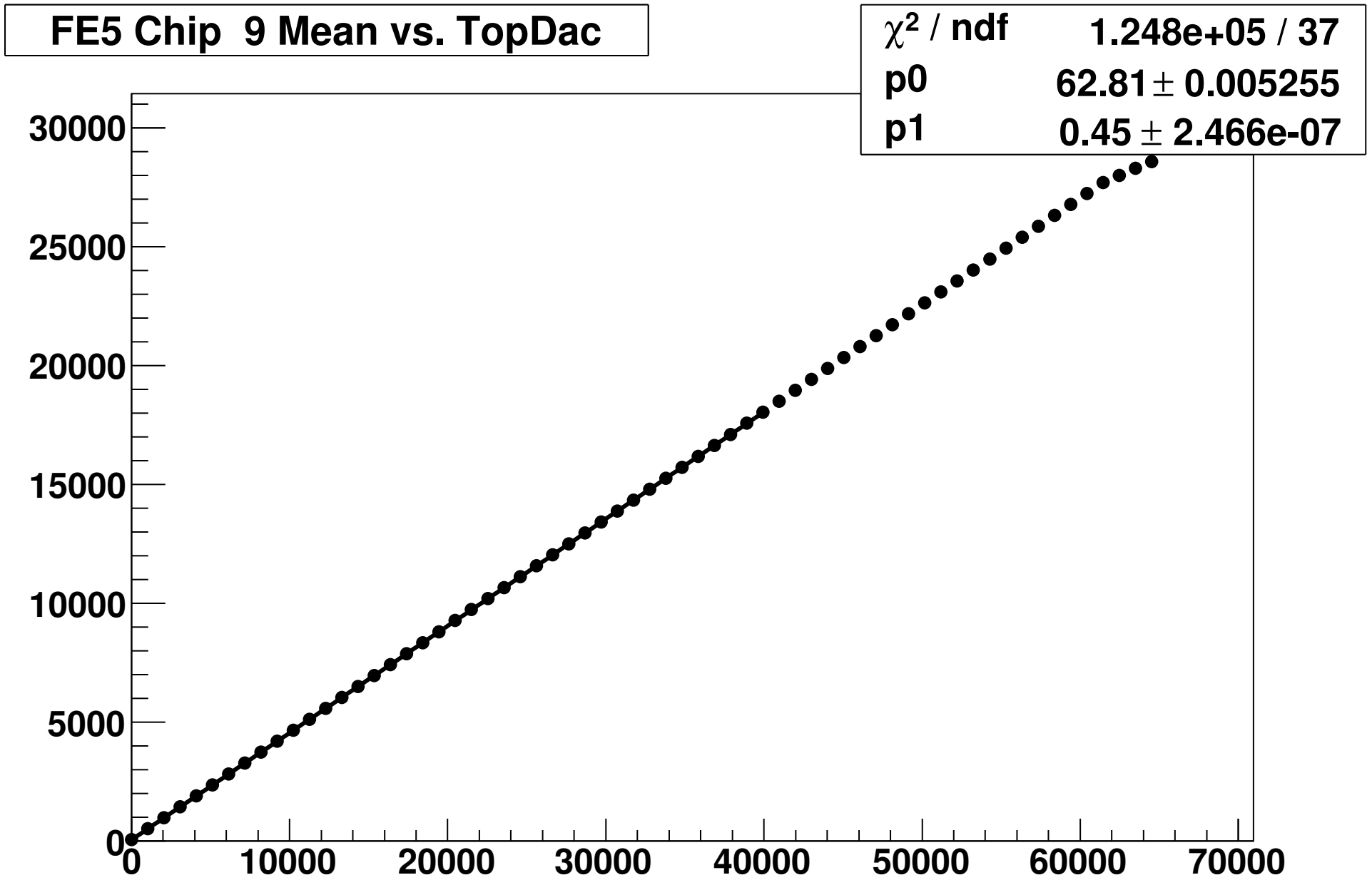
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.248e+05 / 37
p0 62.81 ± 0.005255
p1 0.45 ± 2.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
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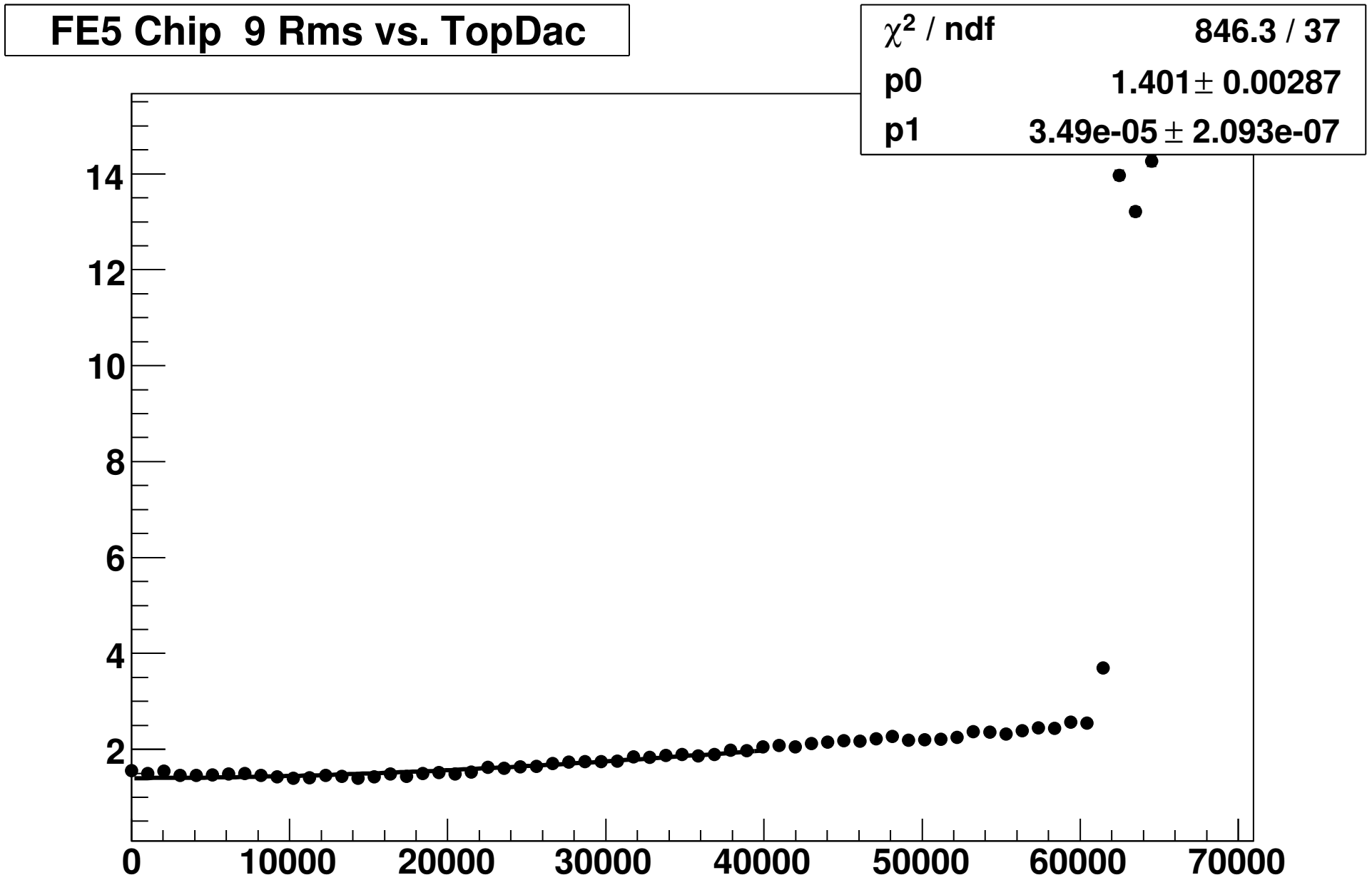
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 846.3 / 37
p0 1.401 ± 0.00287
p1 3.49e-05 ± 2.093e-07
14
12
10
8
6
4
2
0
10000
20000
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40000
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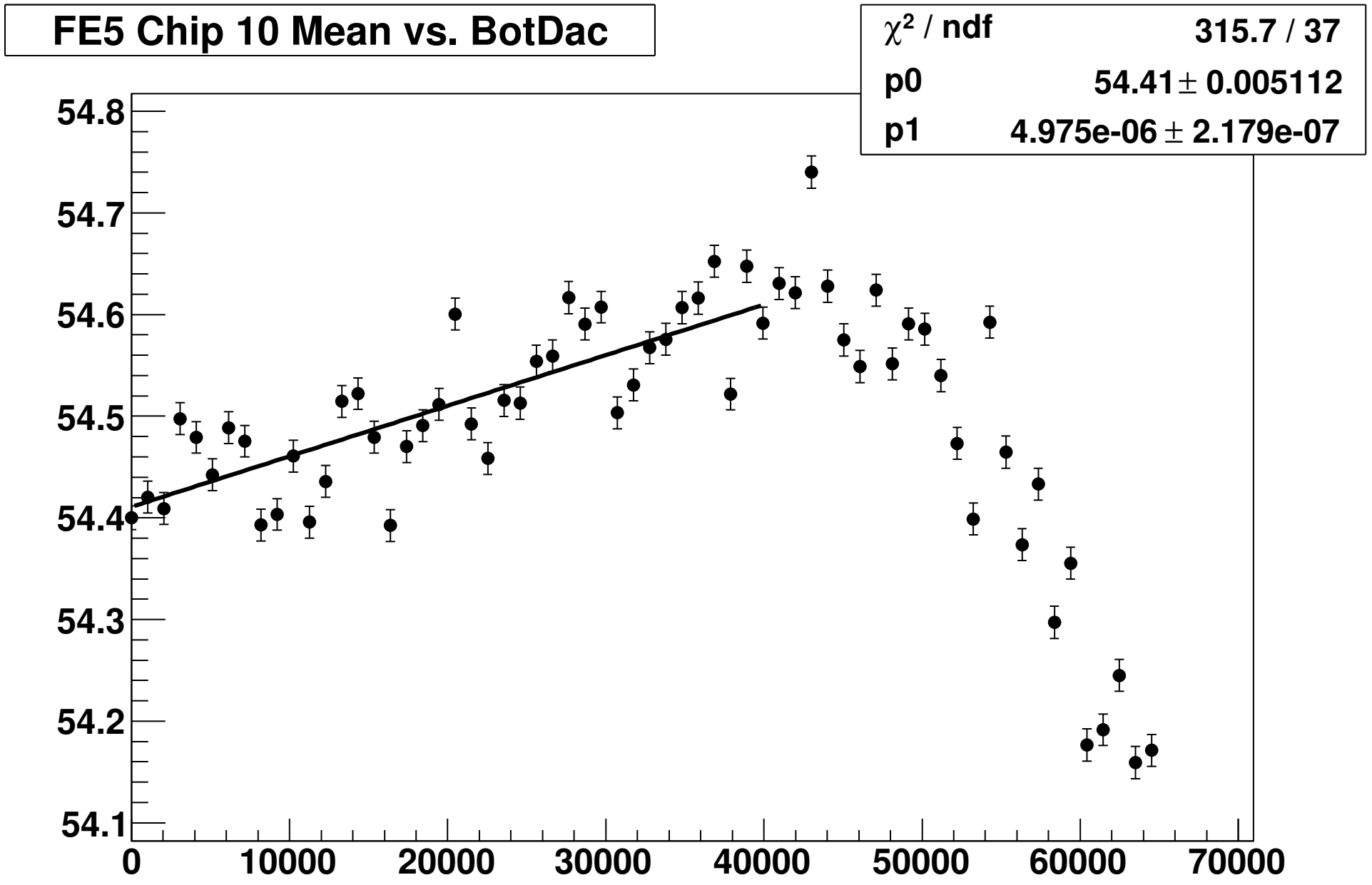
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 315.7 / 37
p0 54.41 ± 0.005112
p1 4.975e-06 ± 2.179e-07
54.8
54.7
54.6
54.5
54.4
54.3
54.2
54.1
0
10000
20000
30000
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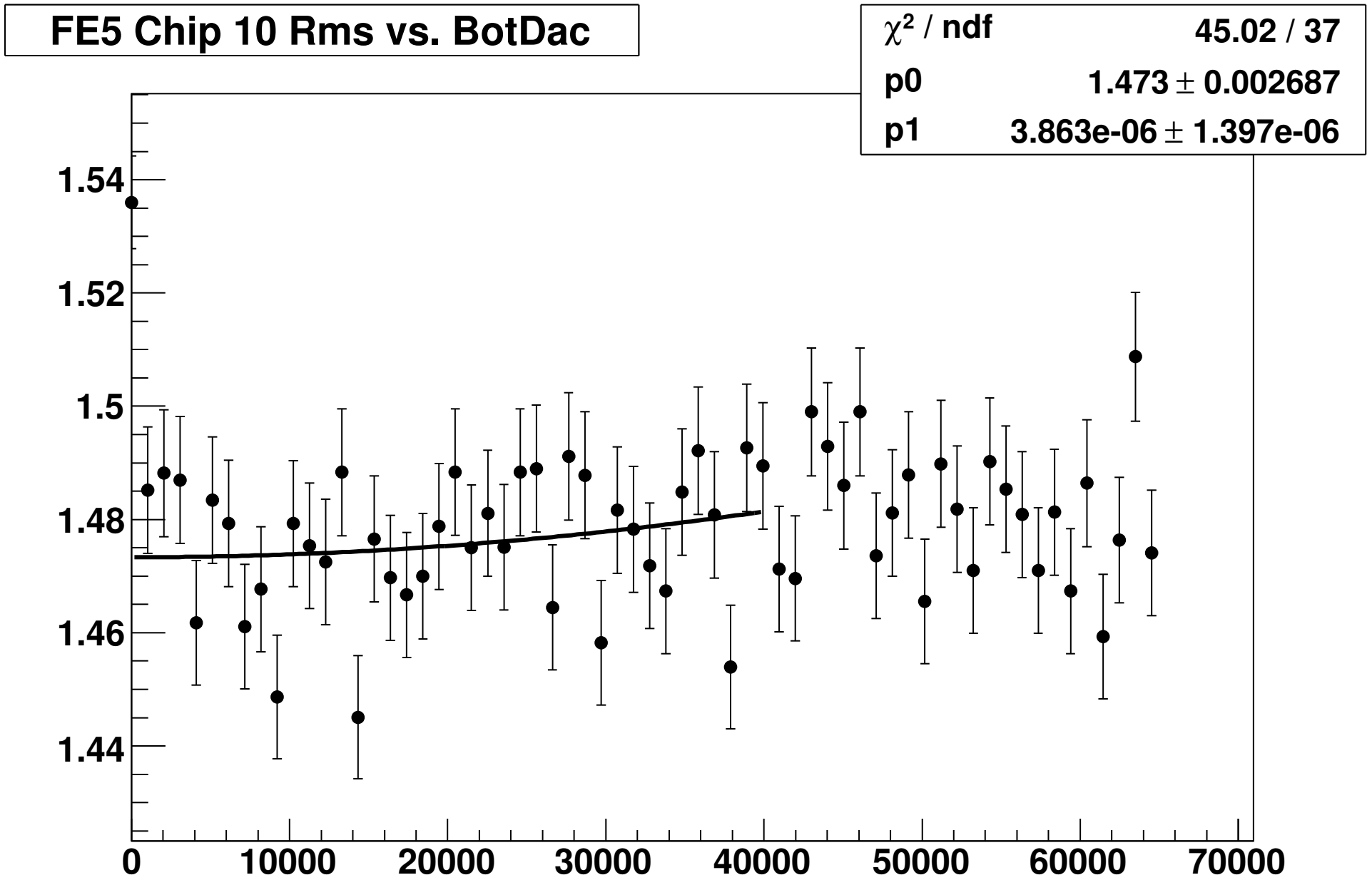
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 45.02 / 37
p0 1.473 ± 0.002687
p1 3.863e-06 ± 1.397e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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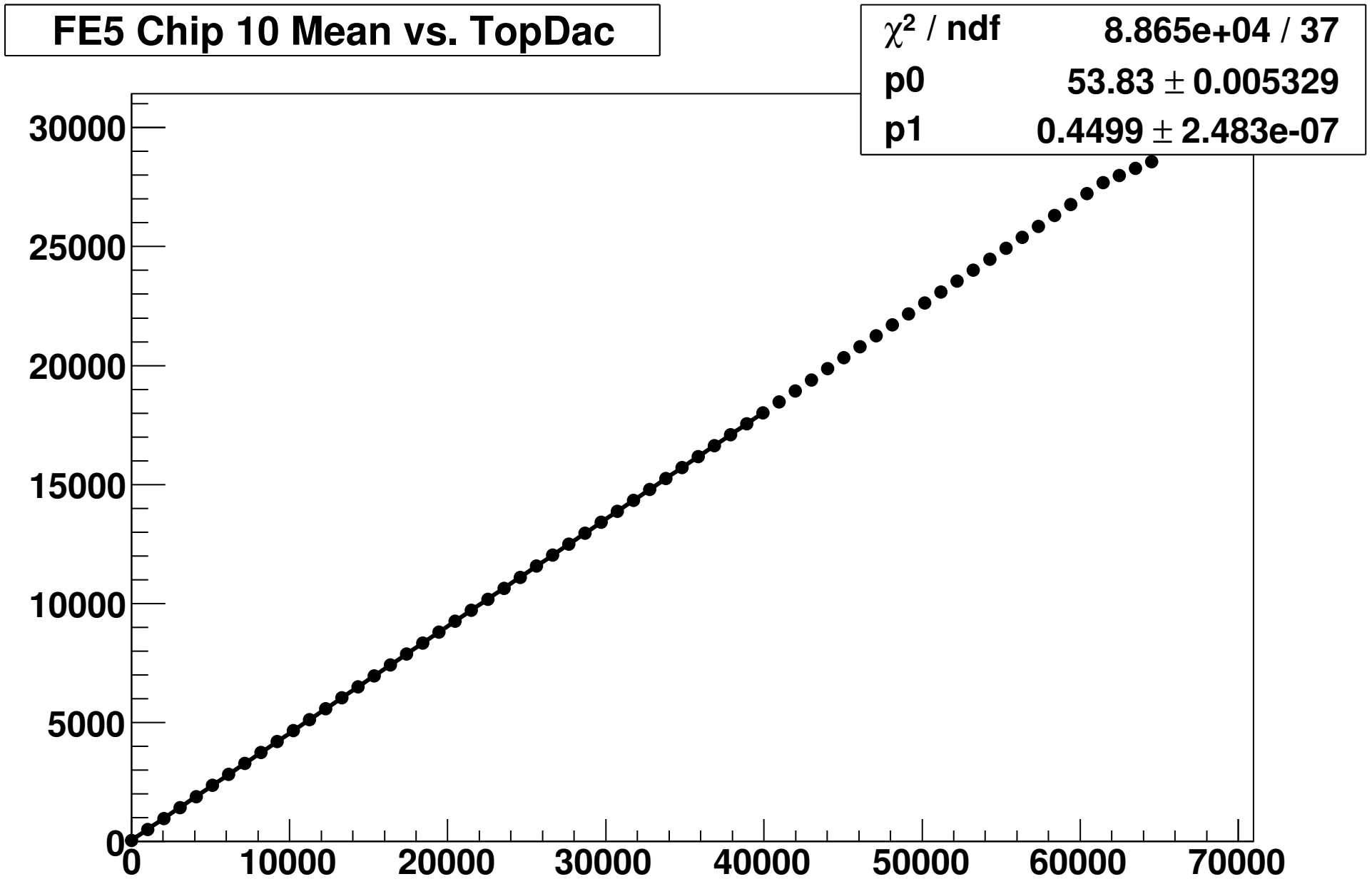
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 8.865e+04 / 37
p0 53.83 ± 0.005329
p1 0.4499 ± 2.483e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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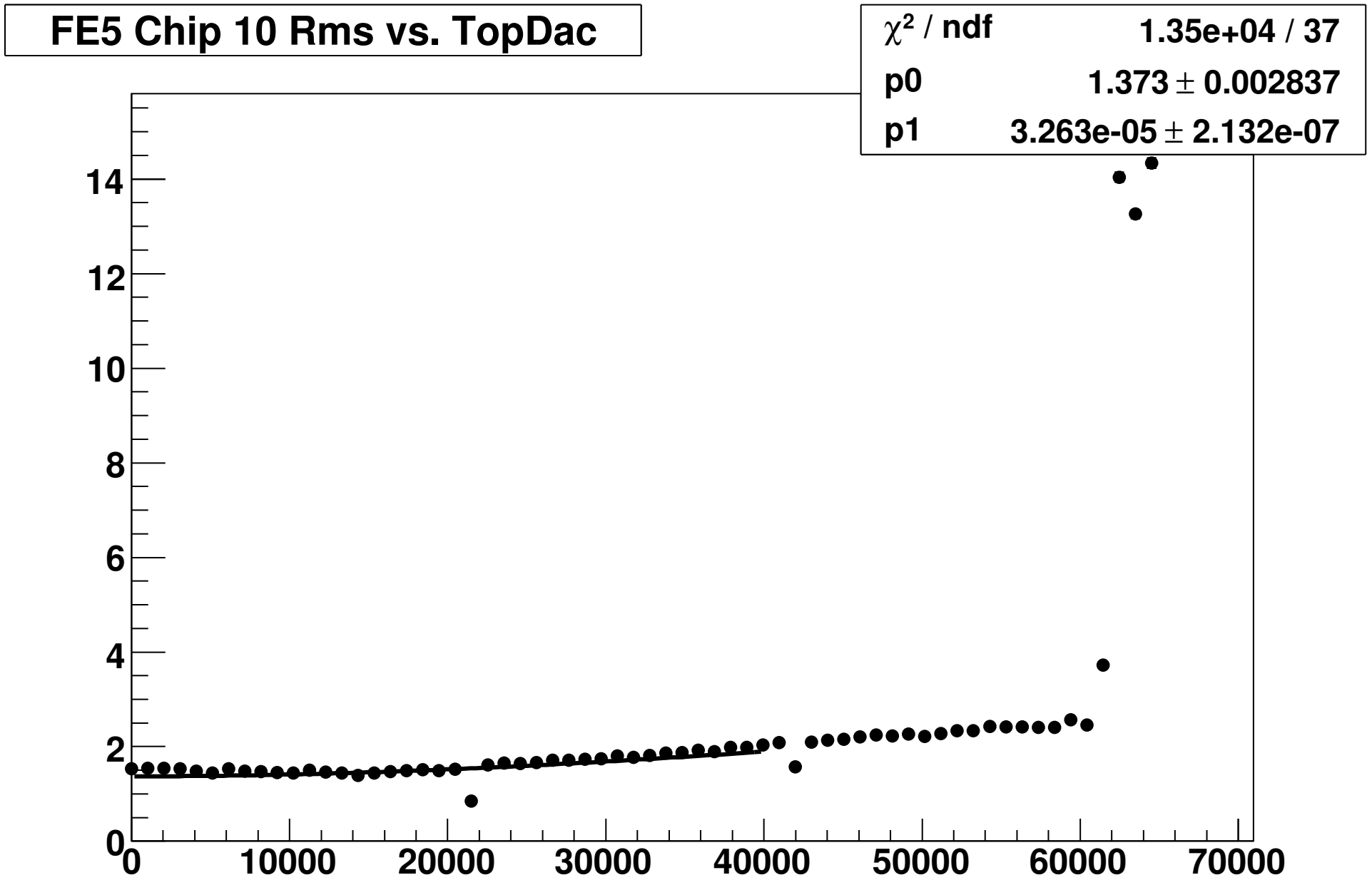
FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1.35e+04 / 37
p0 1.373 ± 0.002837
p1 3.263e-05 ± 2.132e-07
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2
4
6
8
10
12
14
0
10000
20000
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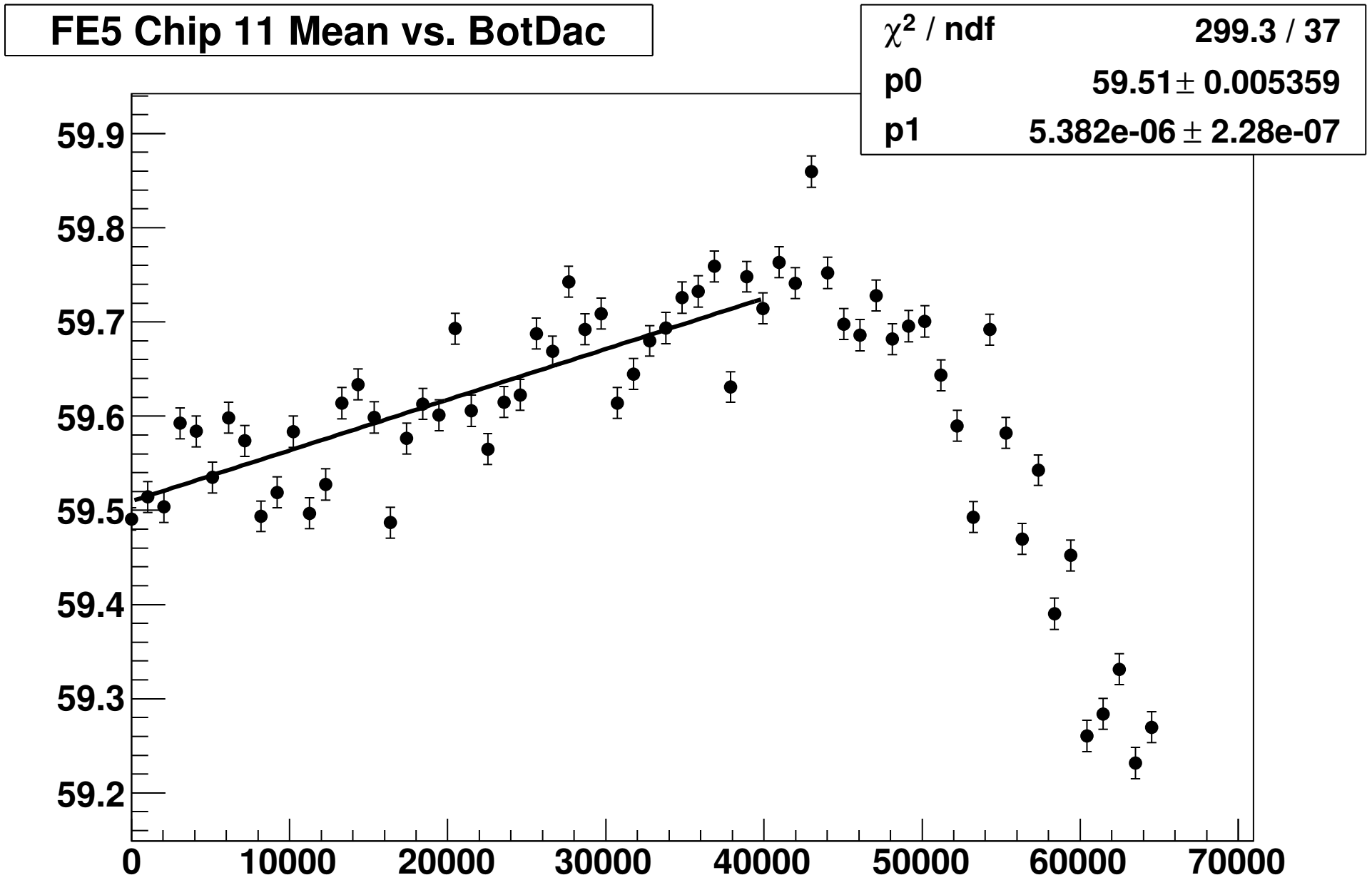
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 299.3 / 37
p0 59.51 ± 0.005359
p1 5.382e-06 ± 2.28e-07
59.9
59.8
59.7
59.6
59.5
59.4
59.3
59.2
0
10000
20000
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50000
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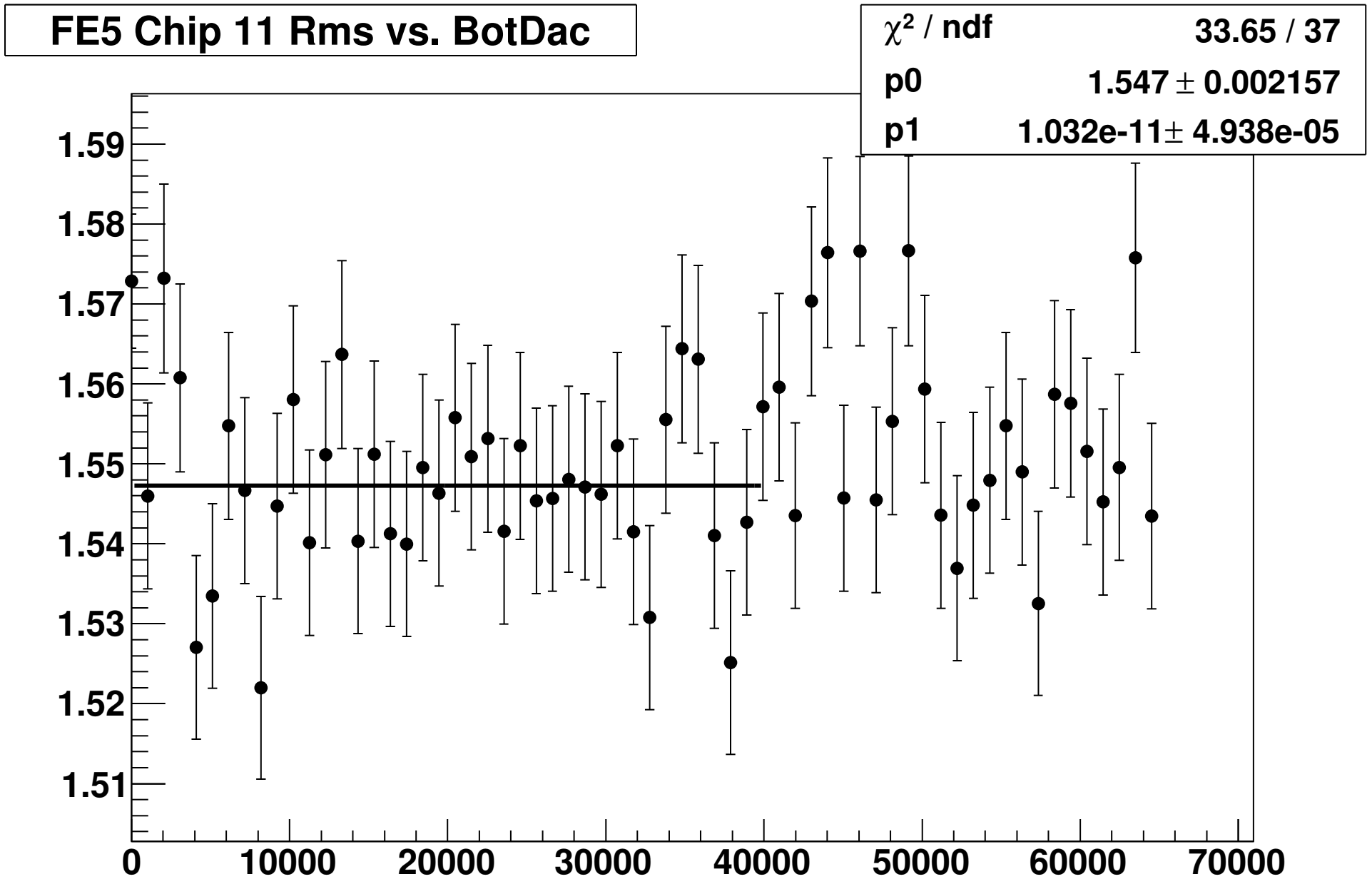
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 33.65 / 37
p0 1.547 ± 0.002157
p1 1.032e-11 ± 4.938e-05
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
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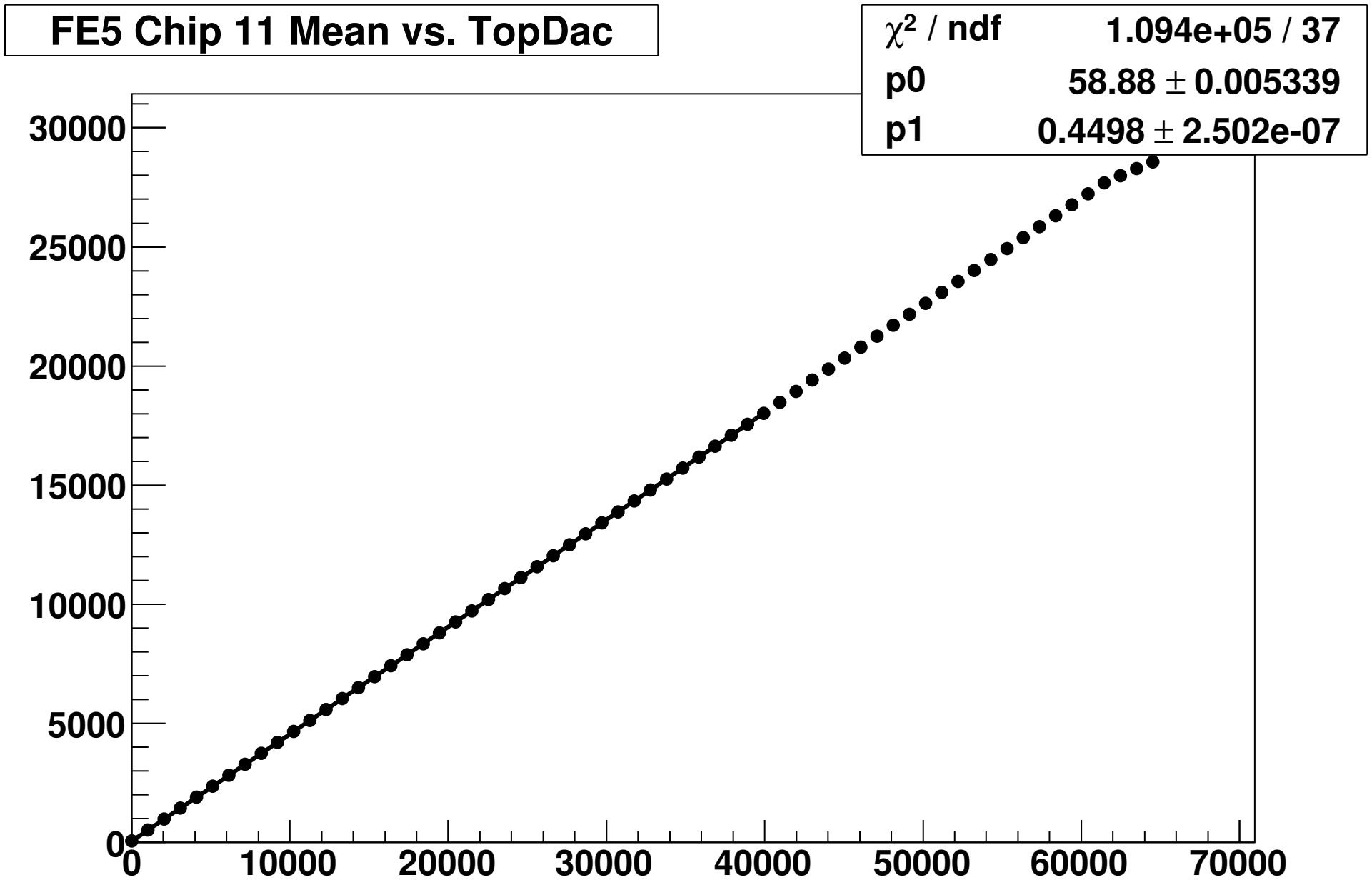
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.094e+05 / 37
p0 58.88 ± 0.005339
p1 0.4498 ± 2.502e-07
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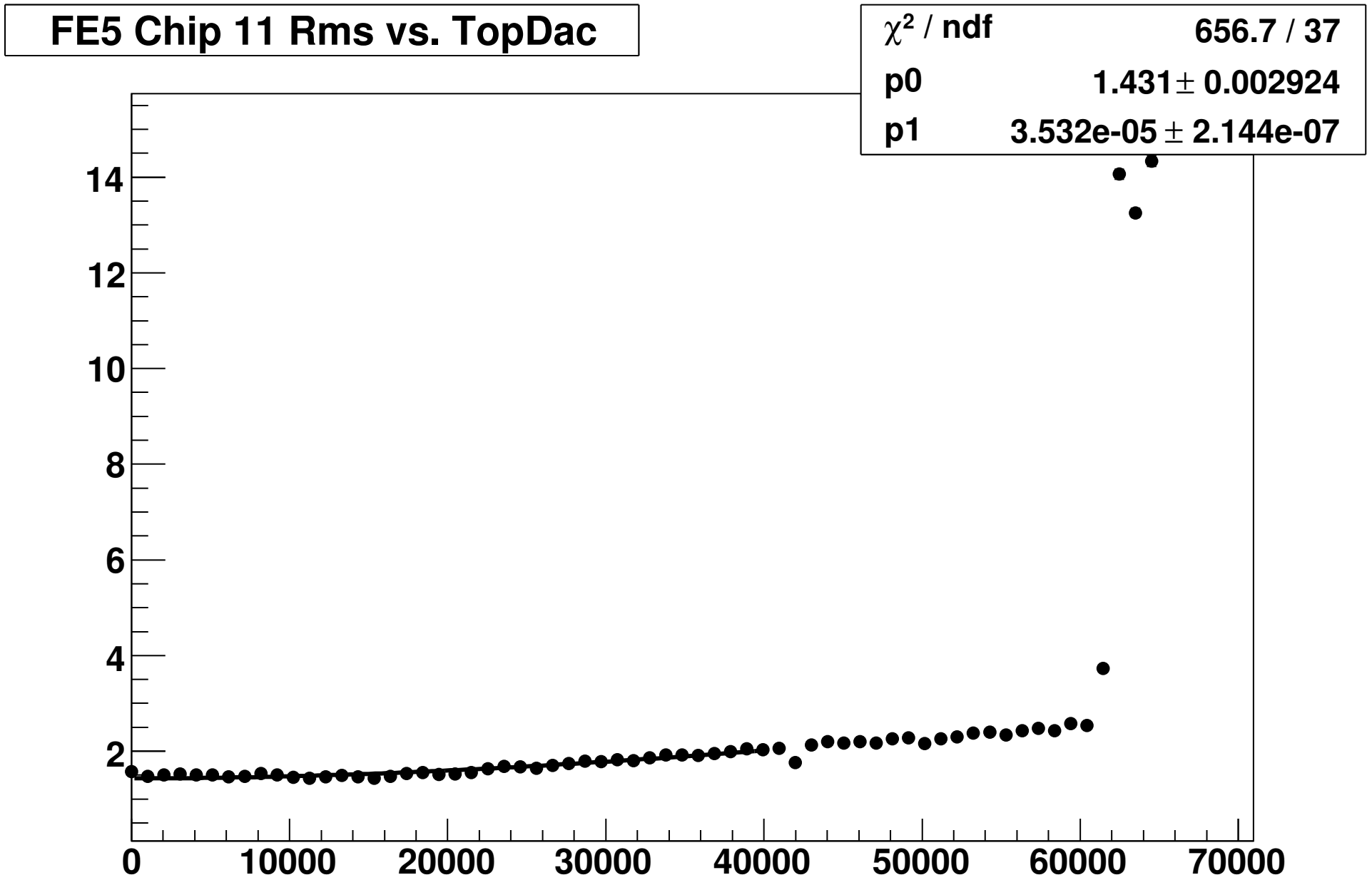
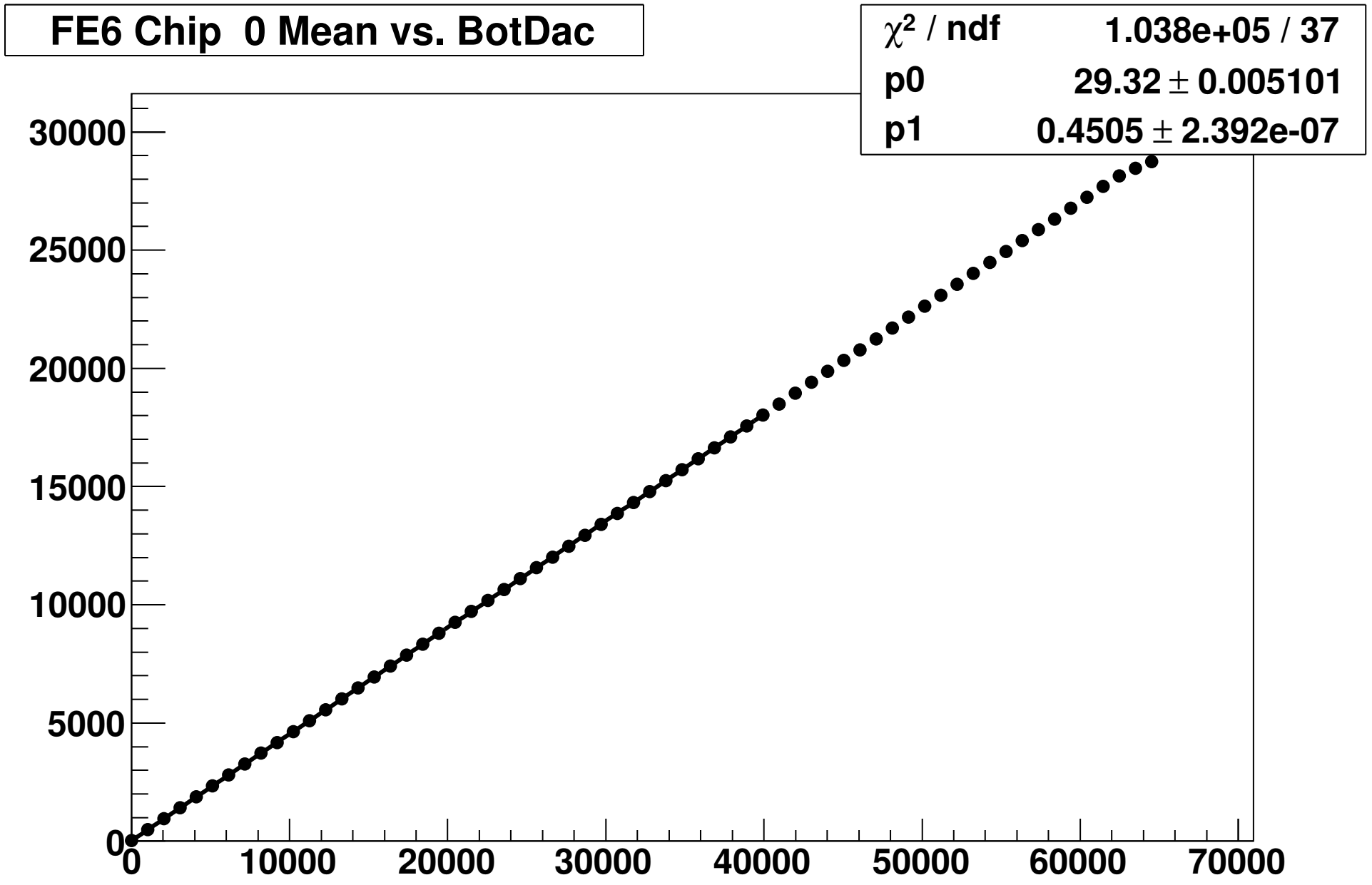
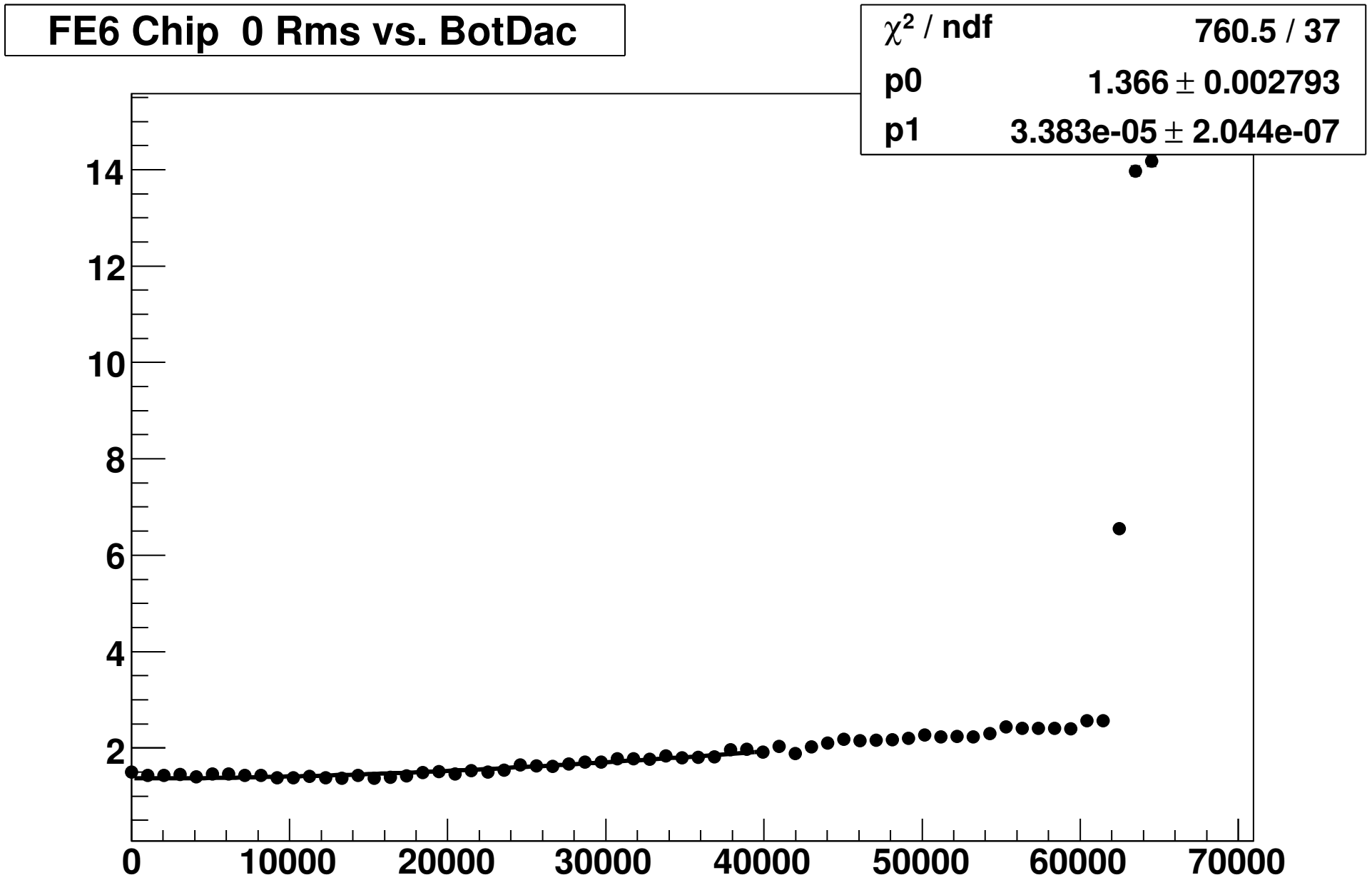
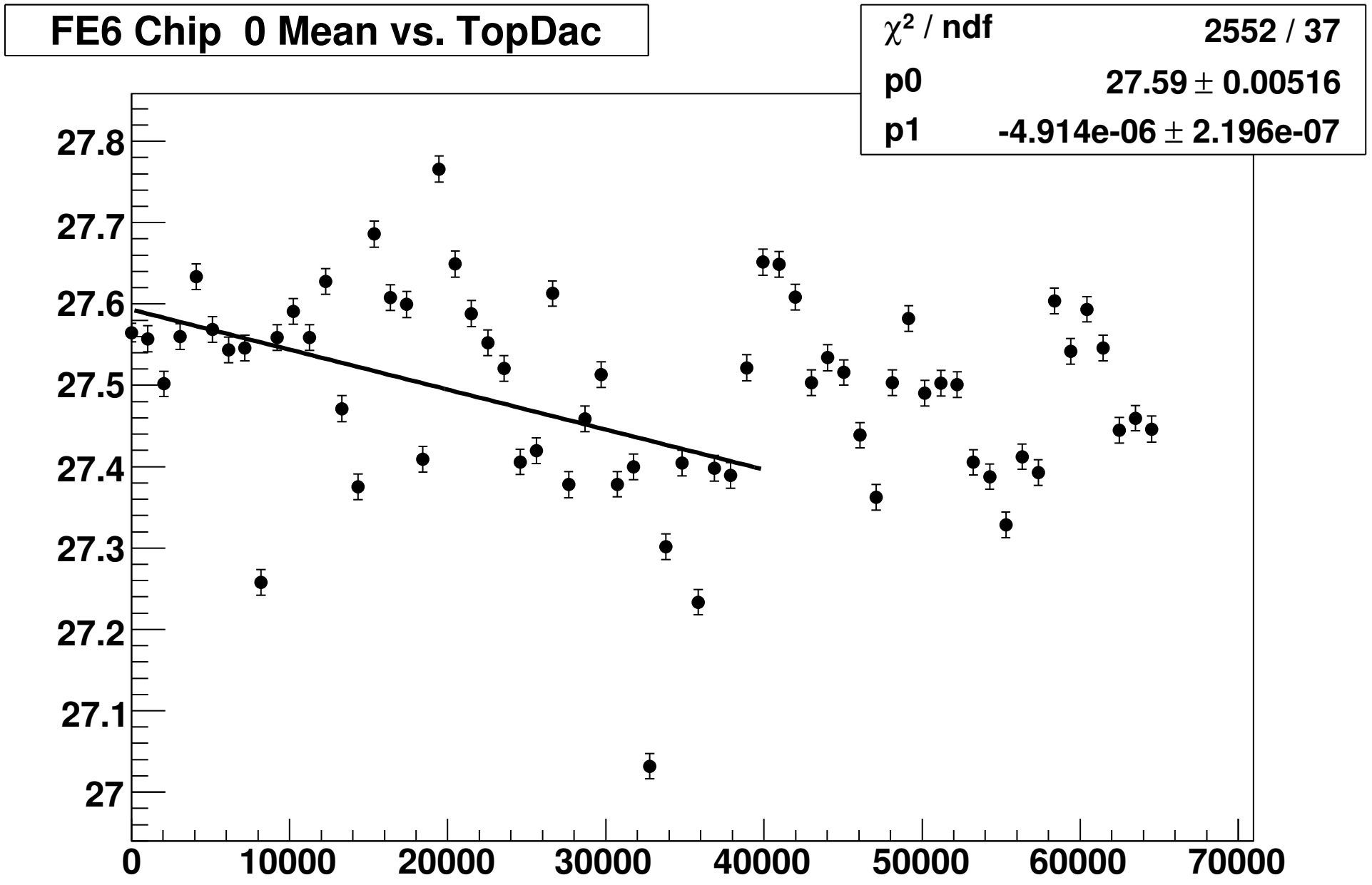
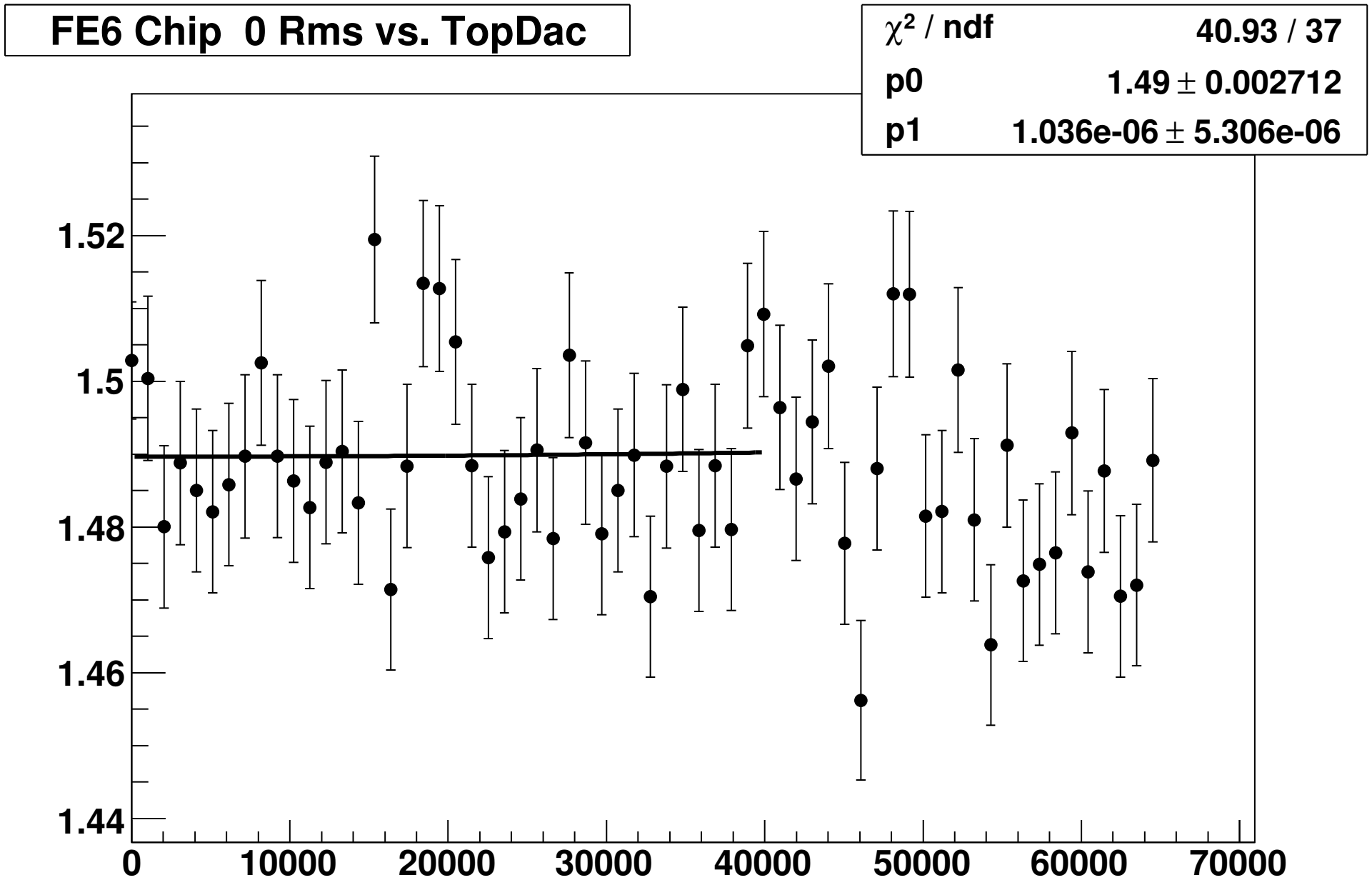
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

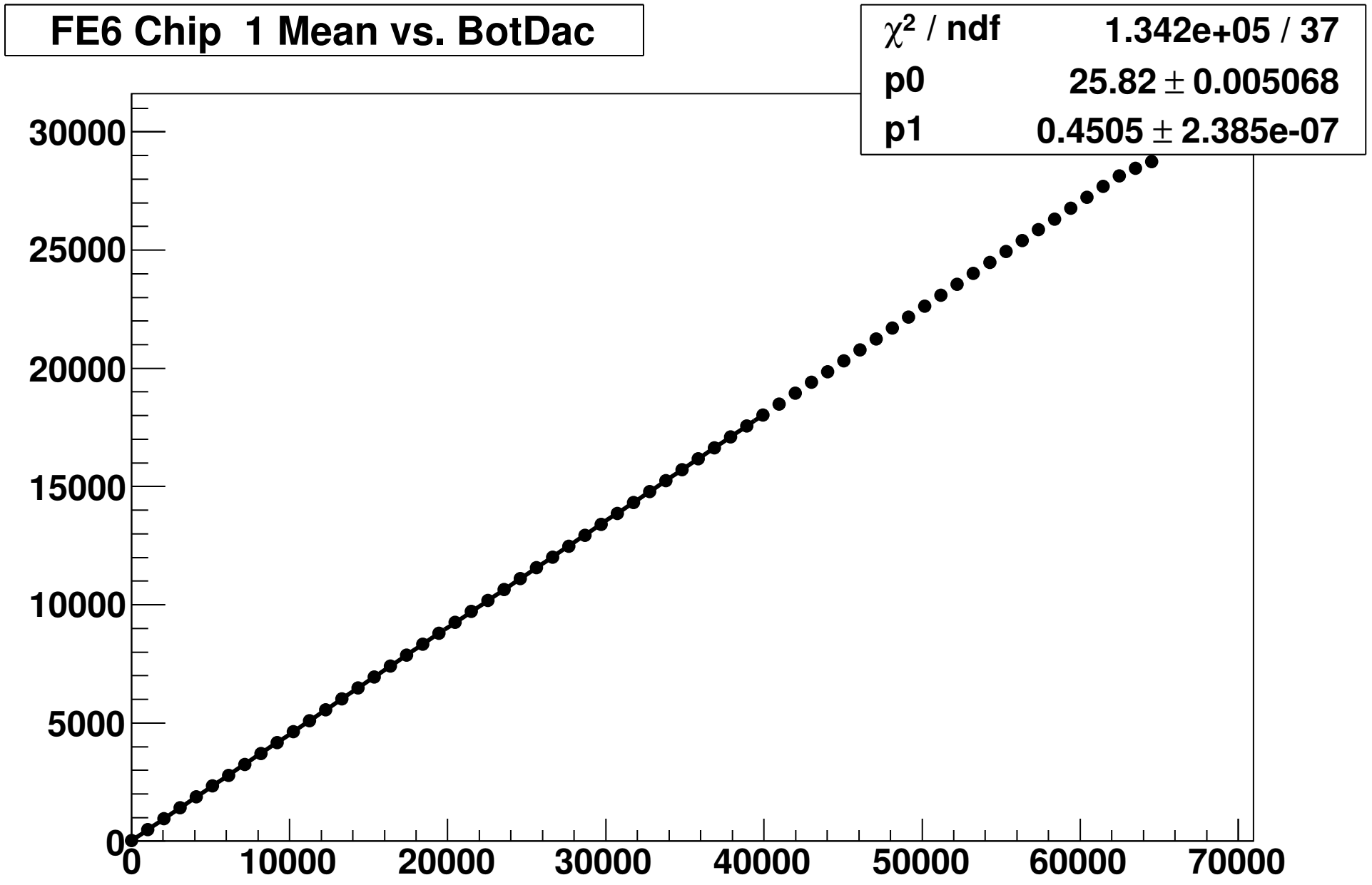

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 656.7 / 37
p0 1.431 ± 0.002924
p1 3.532e-05 ± 2.144e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

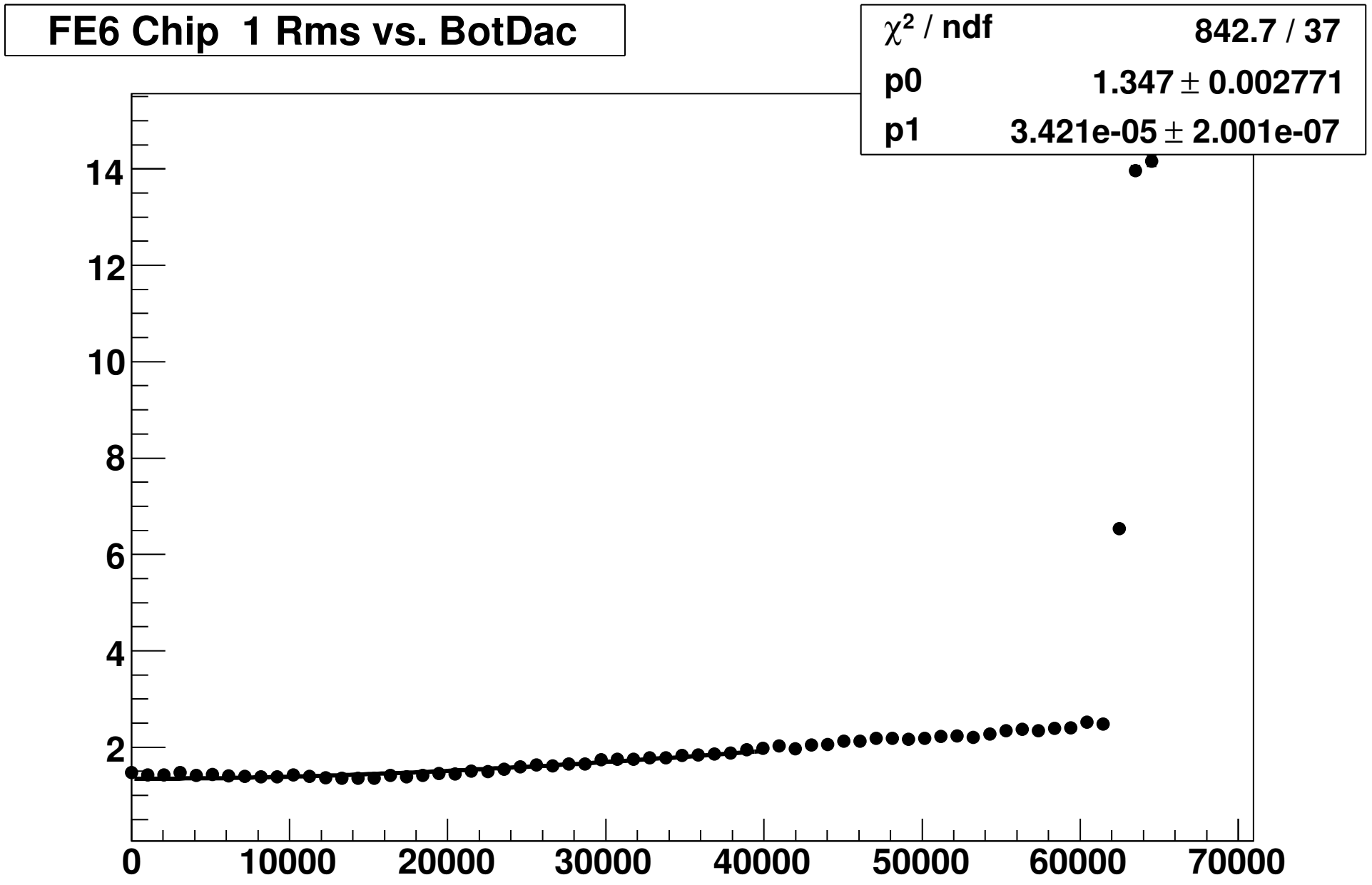

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.038e+05 / 37
p0 29.32 ± 0.005101
p1 0.4505 ± 2.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 760.5 / 37
p0 1.366 ± 0.002793
p1 3.383e-05 ± 2.044e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 2552 / 37
p0 27.59 ± 0.00516
p1 -4.914e-06 ± 2.196e-07
27.8
27.7
27.6
27.5
27.4
27.3
27.2
27.1
27
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 40.93 / 37
p0 1.49 ± 0.002712
p1 1.036e-06 ± 5.306e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.342e+05 / 37
p0 25.82 ± 0.005068
p1 0.4505 ± 2.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 842.7 / 37
p0 1.347 ± 0.002771
p1 3.421e-05 ± 2.001e-07
14
12
10
8
6
4
2
0
10000
20000
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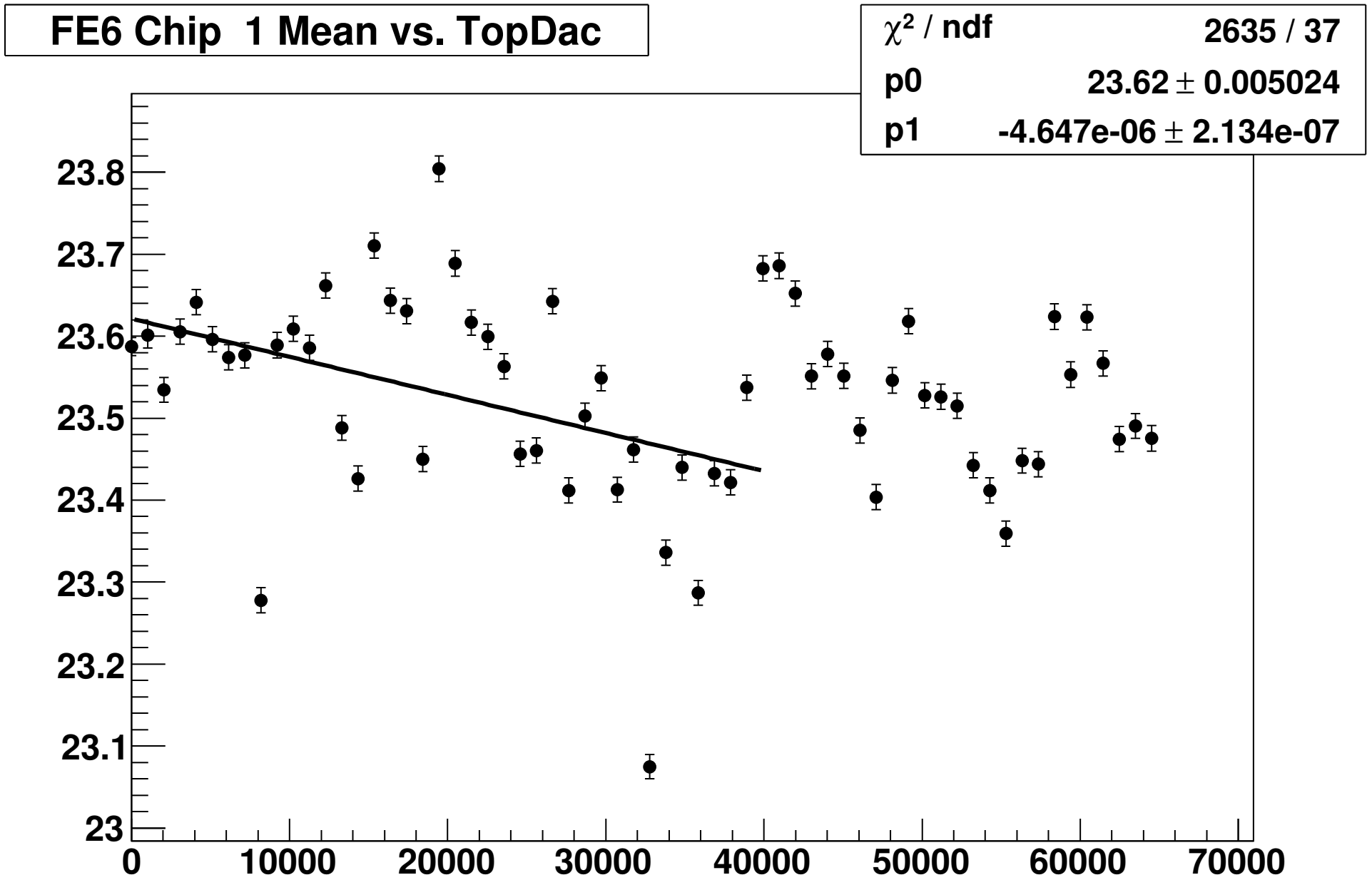
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 2635 / 37
p0 23.62 ± 0.005024
p1 -4.647e-06 ± 2.134e-07
23.8
23.7
23.6
23.5
23.4
23.3
23.2
23.1
23
0
10000
20000
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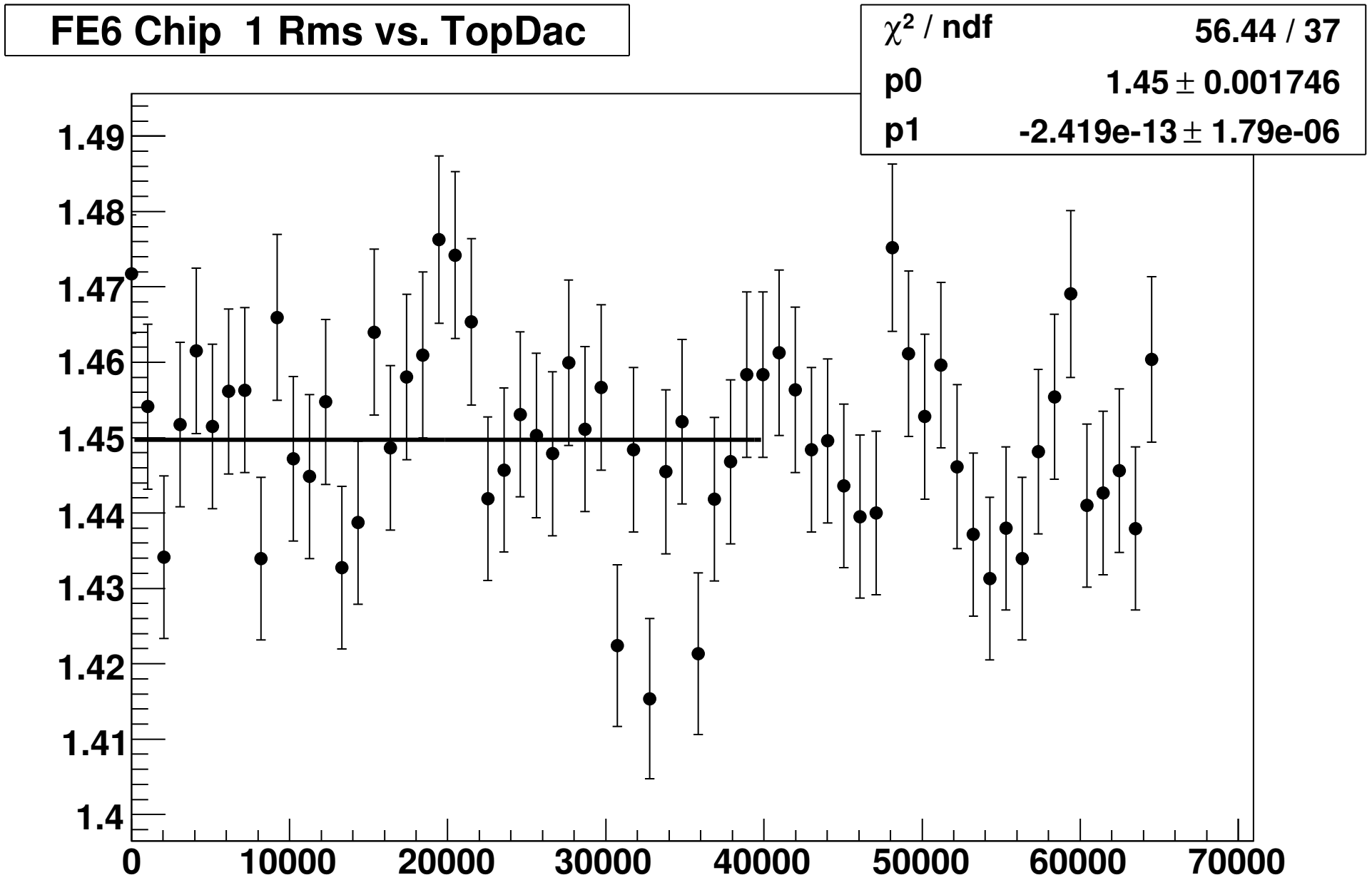
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 56.44 / 37
p0 1.45 ± 0.001746
p1 -2.419e-13 ± 1.79e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
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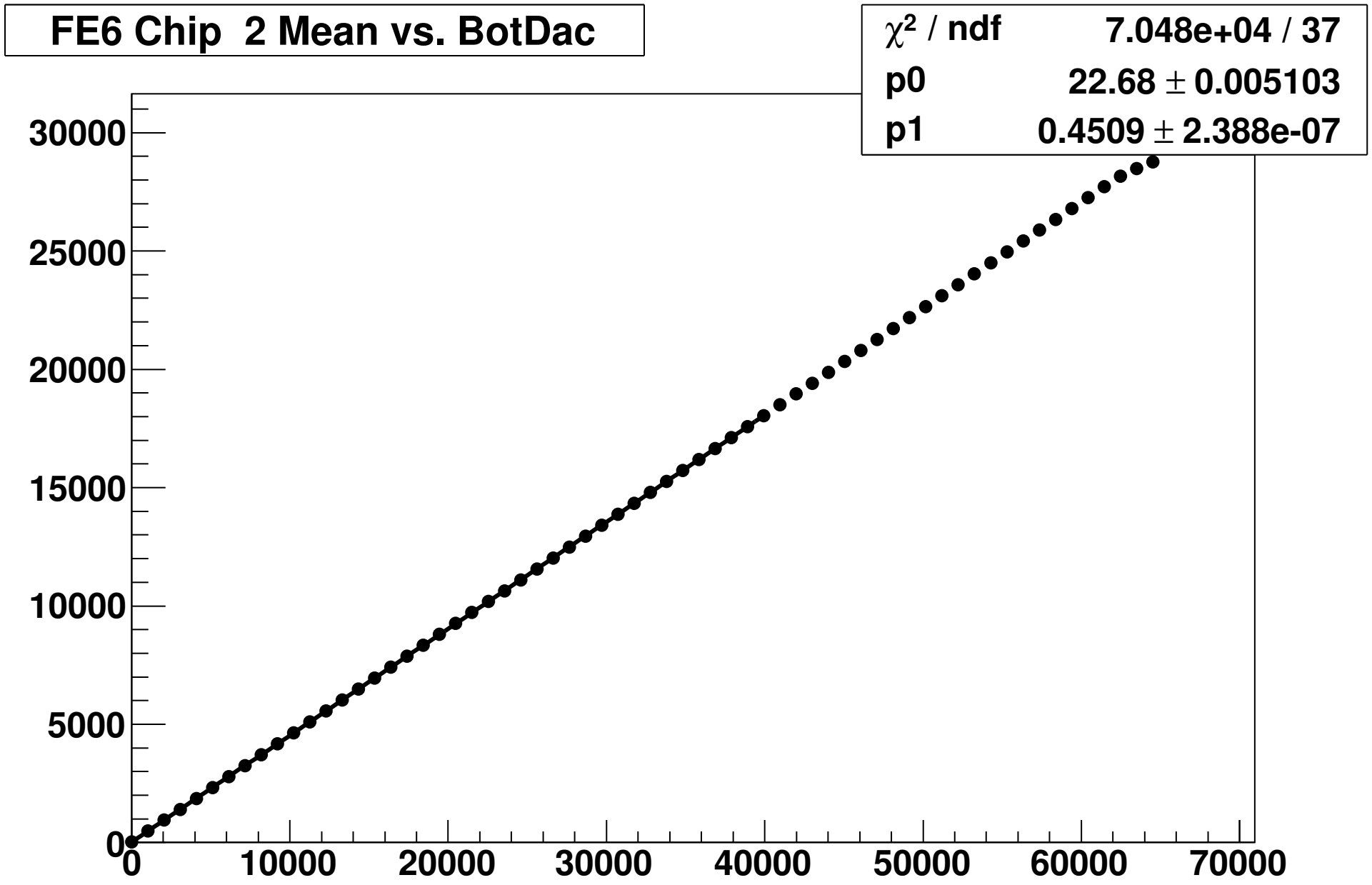
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 7.048e+04 / 37
p0 22.68 ± 0.005103
p1 0.4509 ± 2.388e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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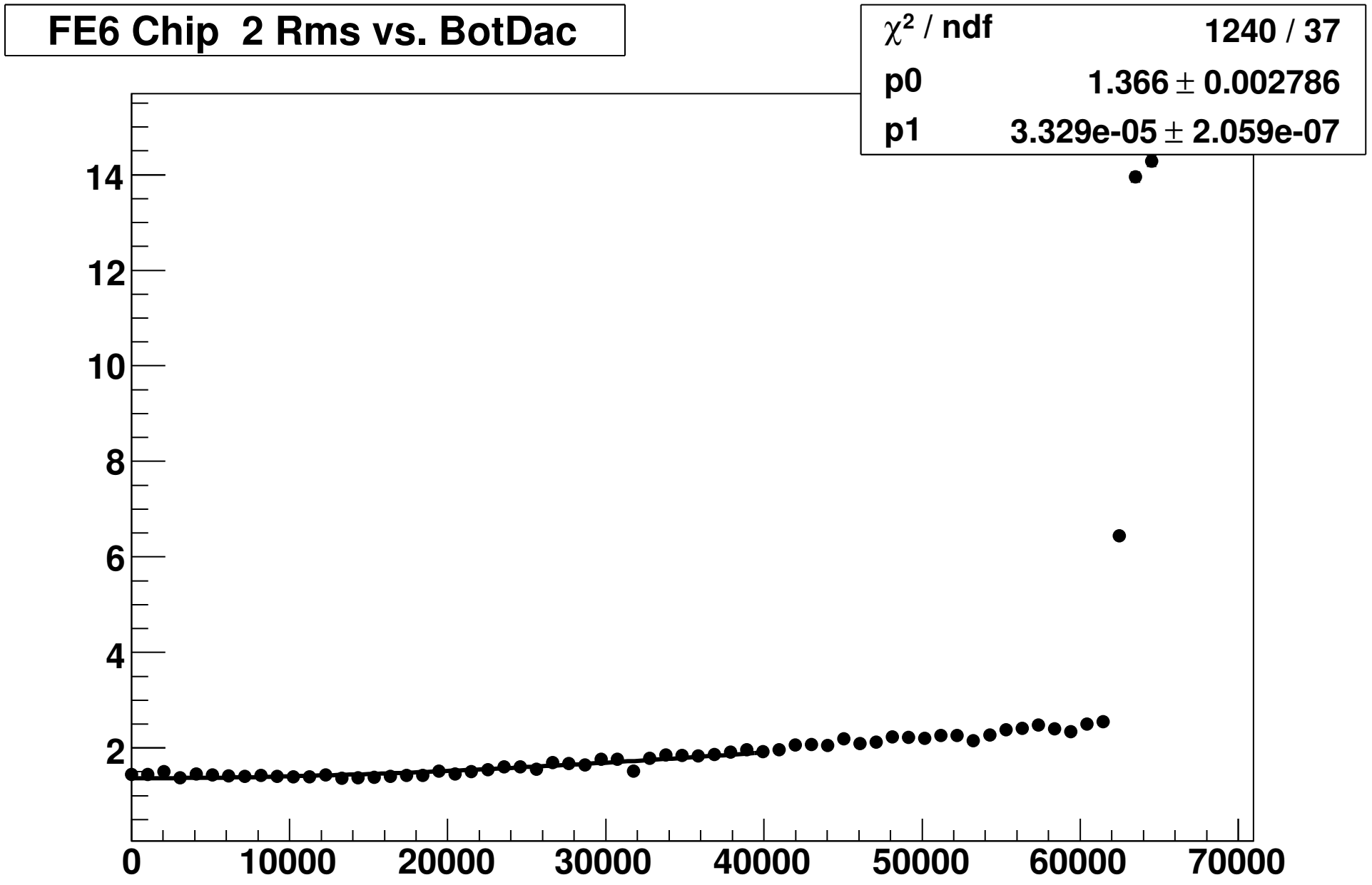
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1240 / 37
p0 1.366 ± 0.002786
p1 3.329e-05 ± 2.059e-07
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12
10
8
6
4
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30000
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60000
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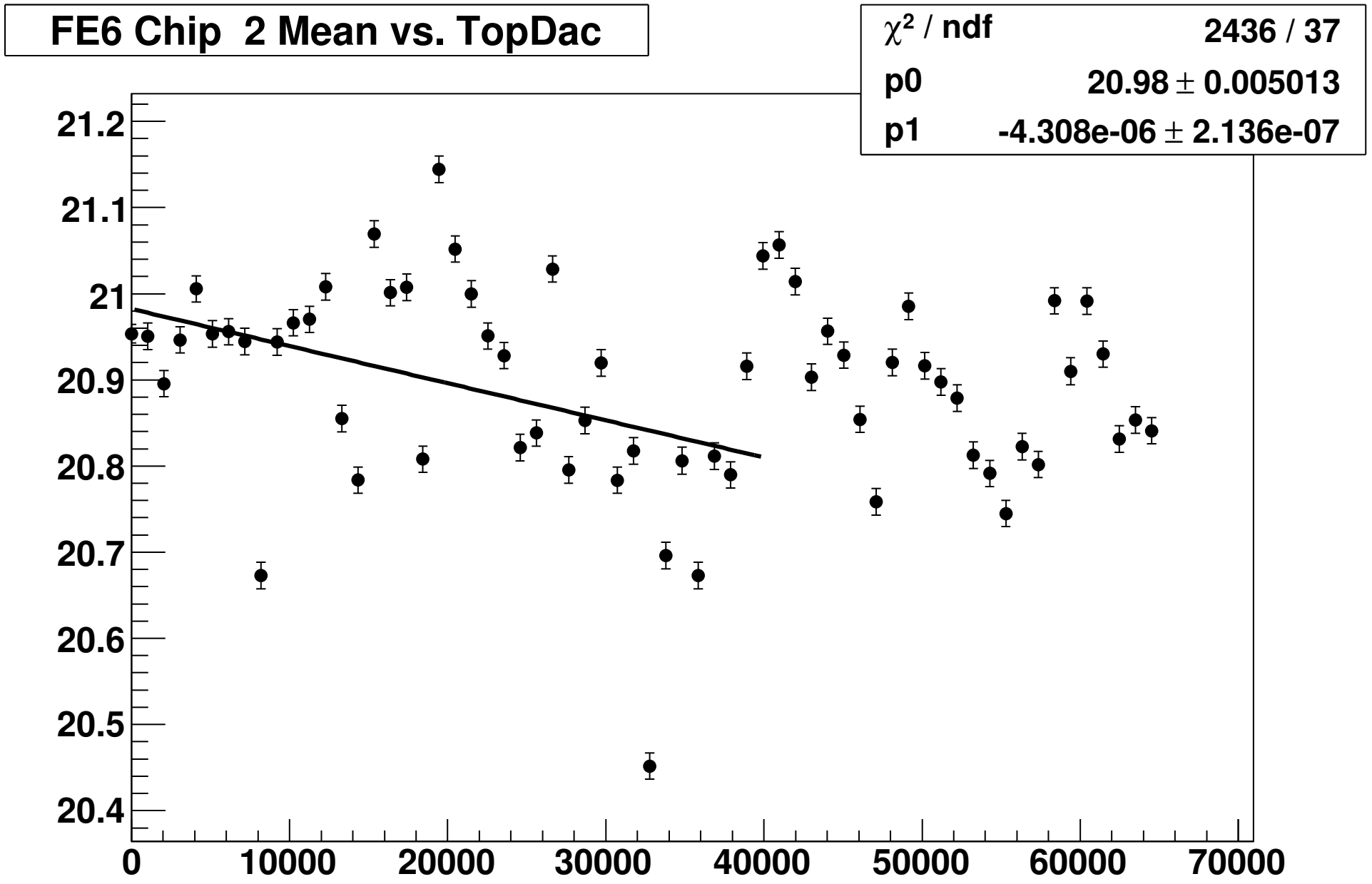
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 2436 / 37
p0 20.98 ± 0.005013
p1 -4.308e-06 ± 2.136e-07
21.2
21.1
21
20.9
20.8
20.7
20.6
20.5
20.4
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30000
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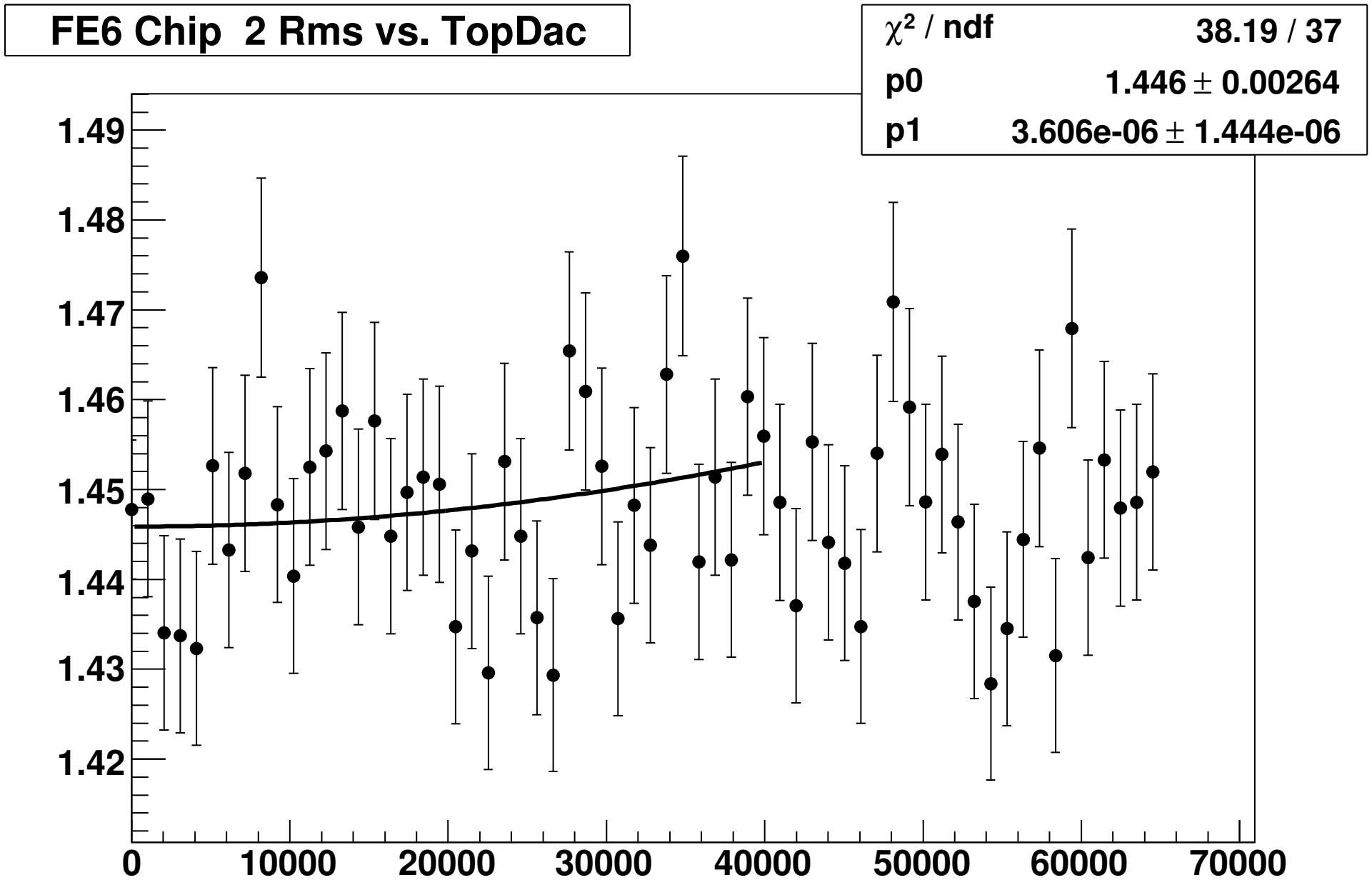
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 38.19 / 37
p0 1.446 ± 0.00264
p1 3.606e-06 ± 1.444e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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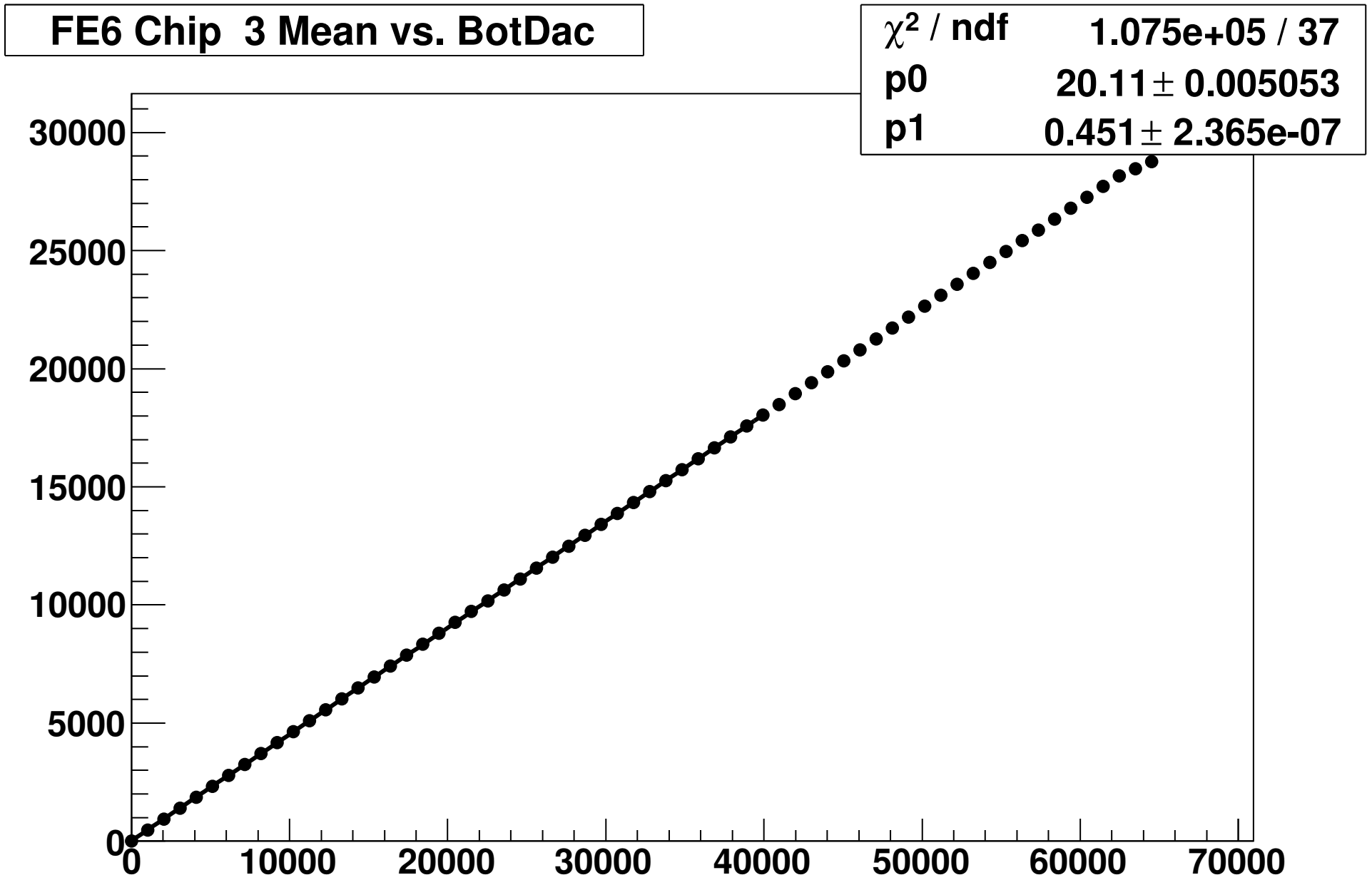
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.075e+05 / 37
p0 20.11 ± 0.005053
p1 0.451 ± 2.365e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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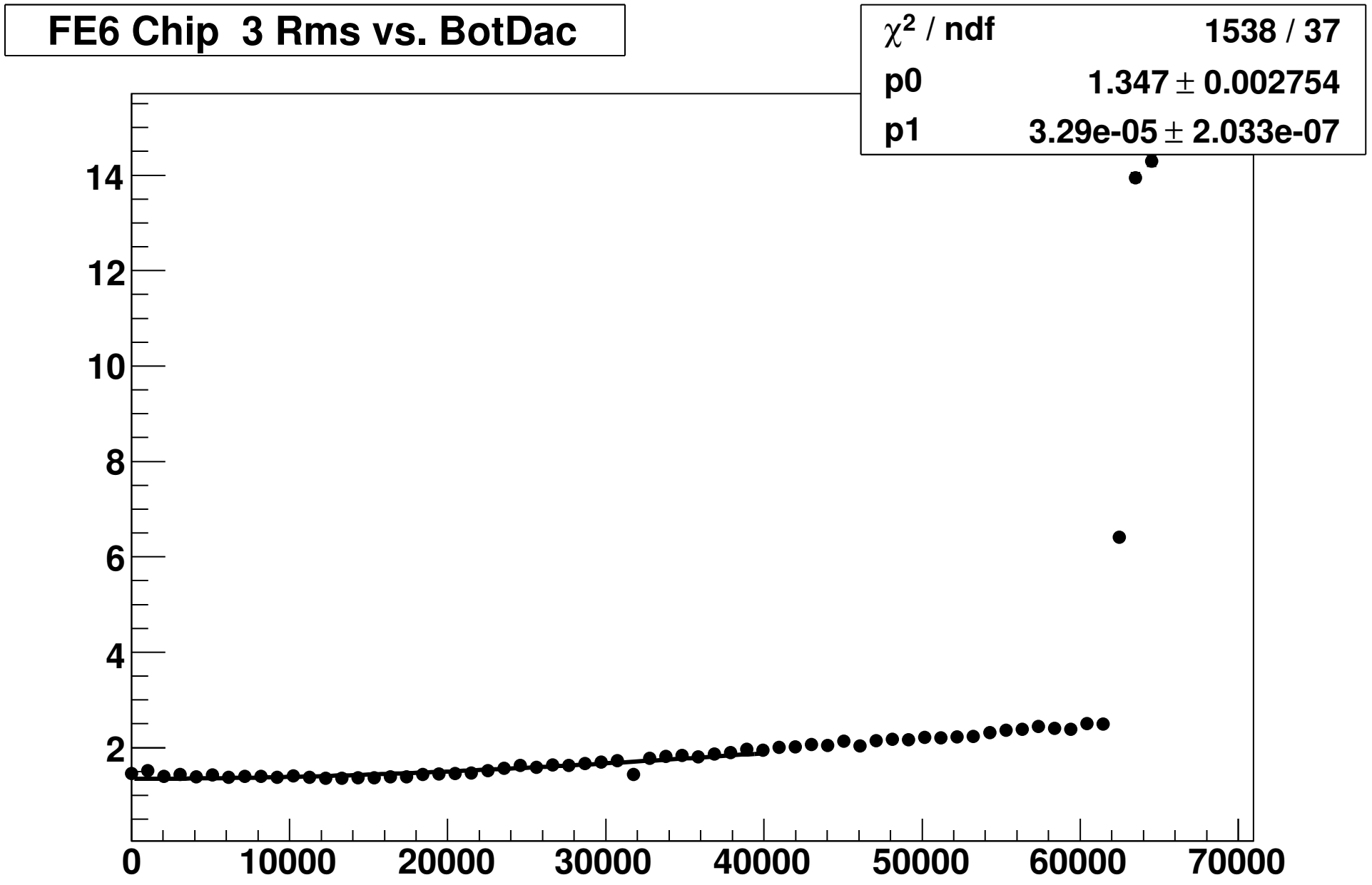
FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1538 / 37
p0 1.347 ± 0.002754
p1 3.29e-05 ± 2.033e-07
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12
10
8
6
4
2
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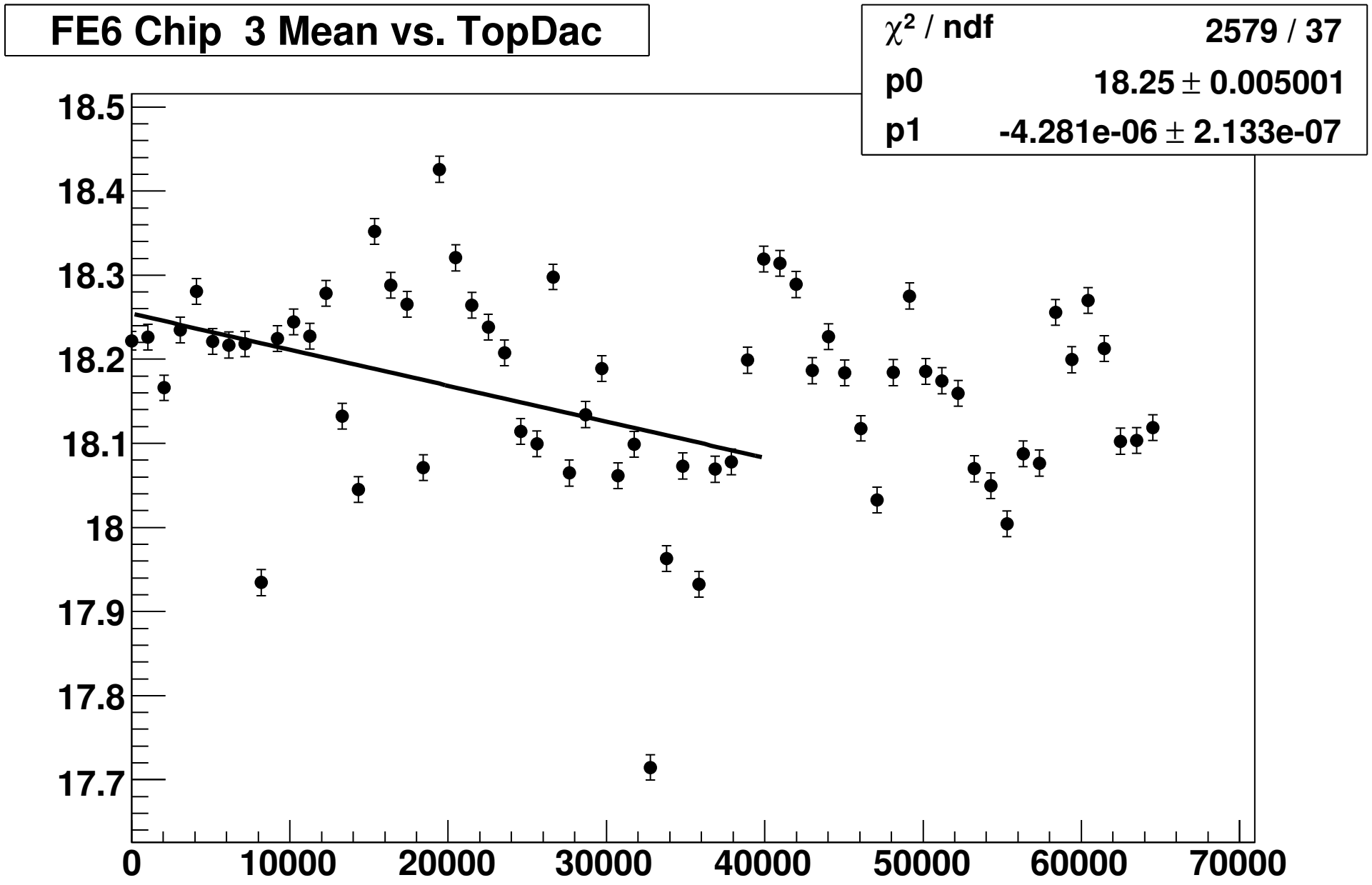
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 2579 / 37
p0 18.25 ± 0.005001
p1 -4.281e-06 ± 2.133e-07
18.5
18.4
18.3
18.2
18.1
18
17.9
17.8
17.7
0
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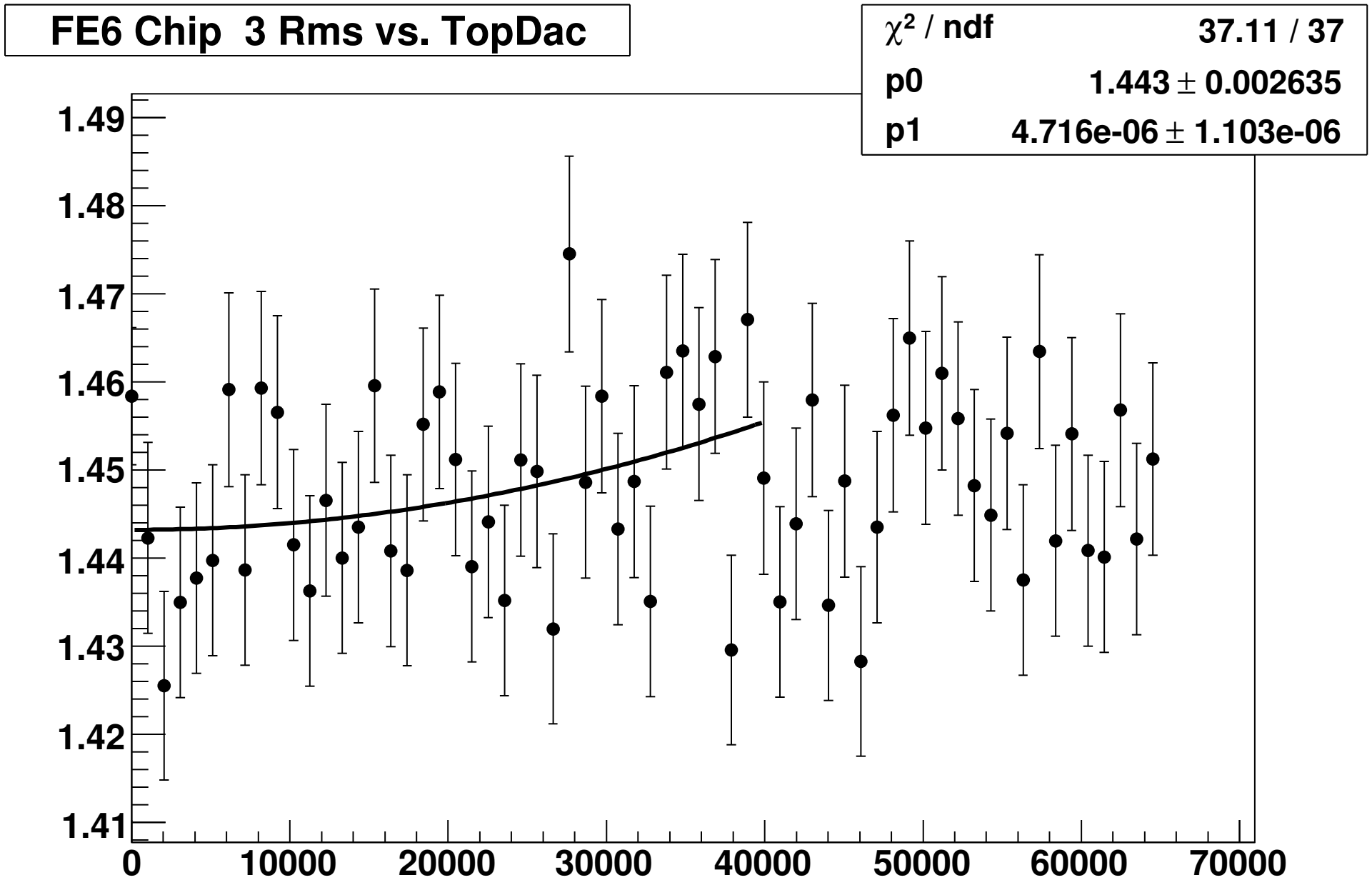
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 37.11 / 37
p0 1.443 ± 0.002635
p1 4.716e-06 ± 1.103e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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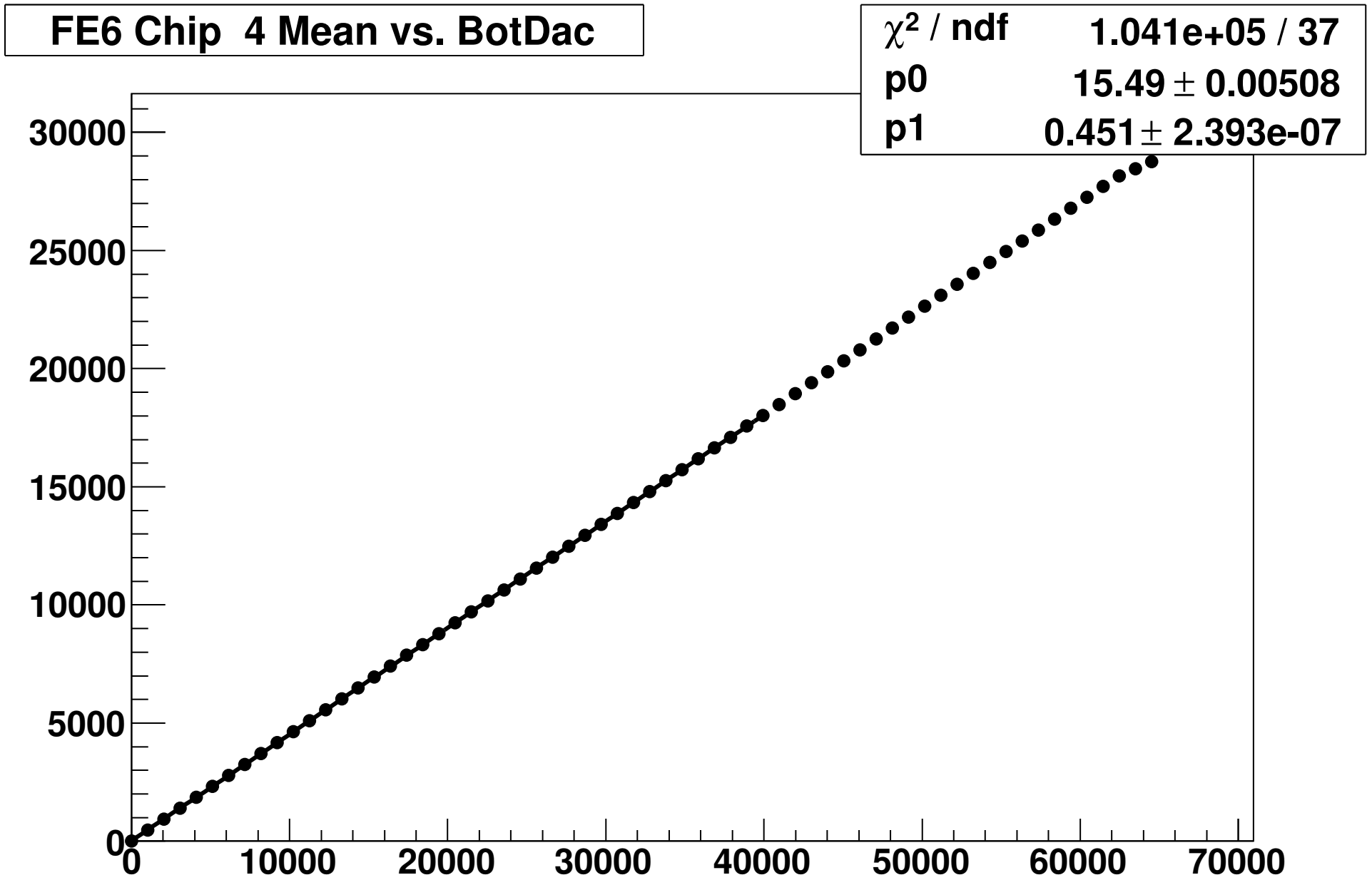
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.041e+05 / 37
p0 15.49 ± 0.00508
p1 0.451 ± 2.393e-07
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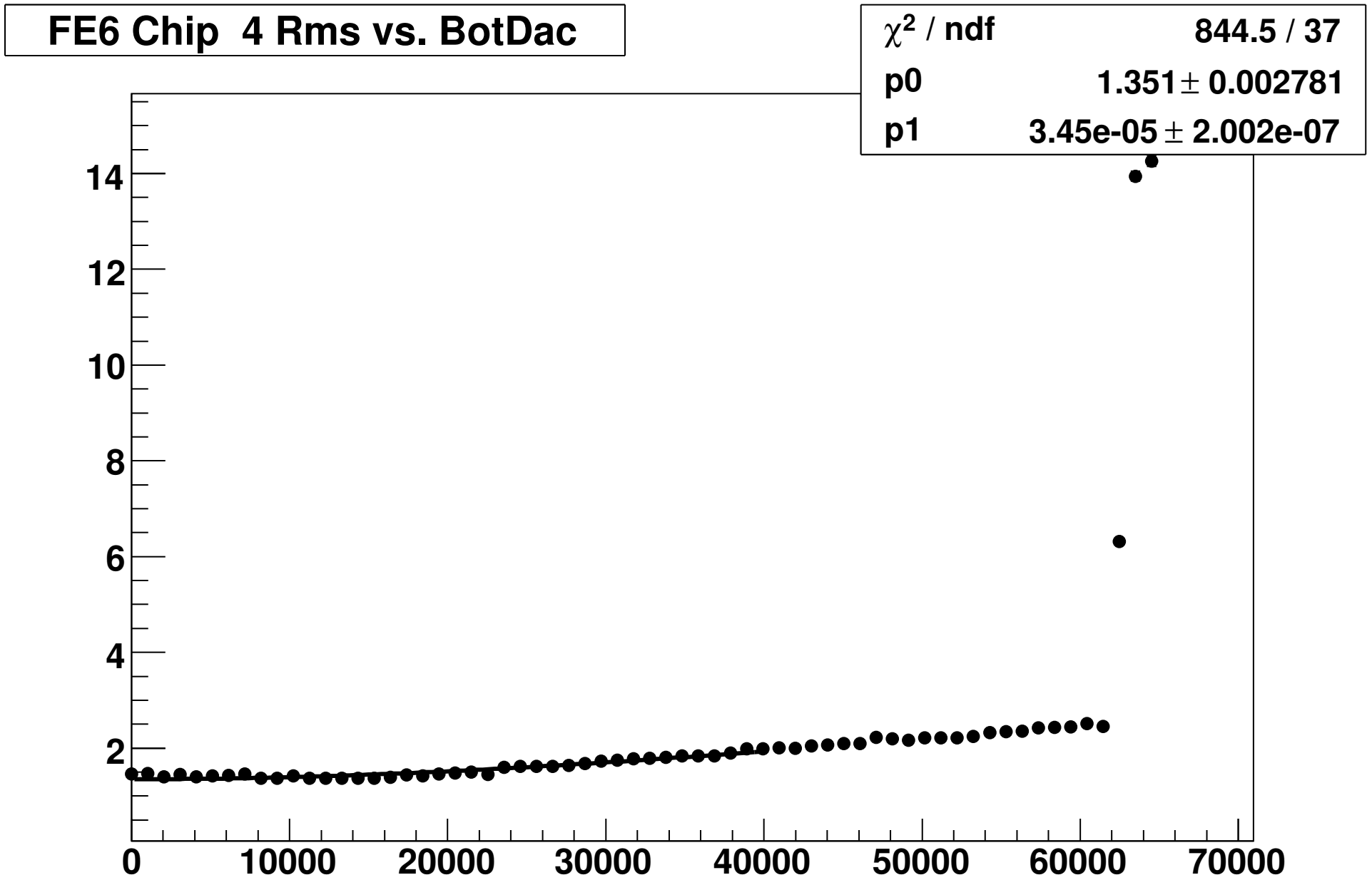
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 844.5 / 37
p0 1.351 ± 0.002781
p1 3.45e-05 ± 2.002e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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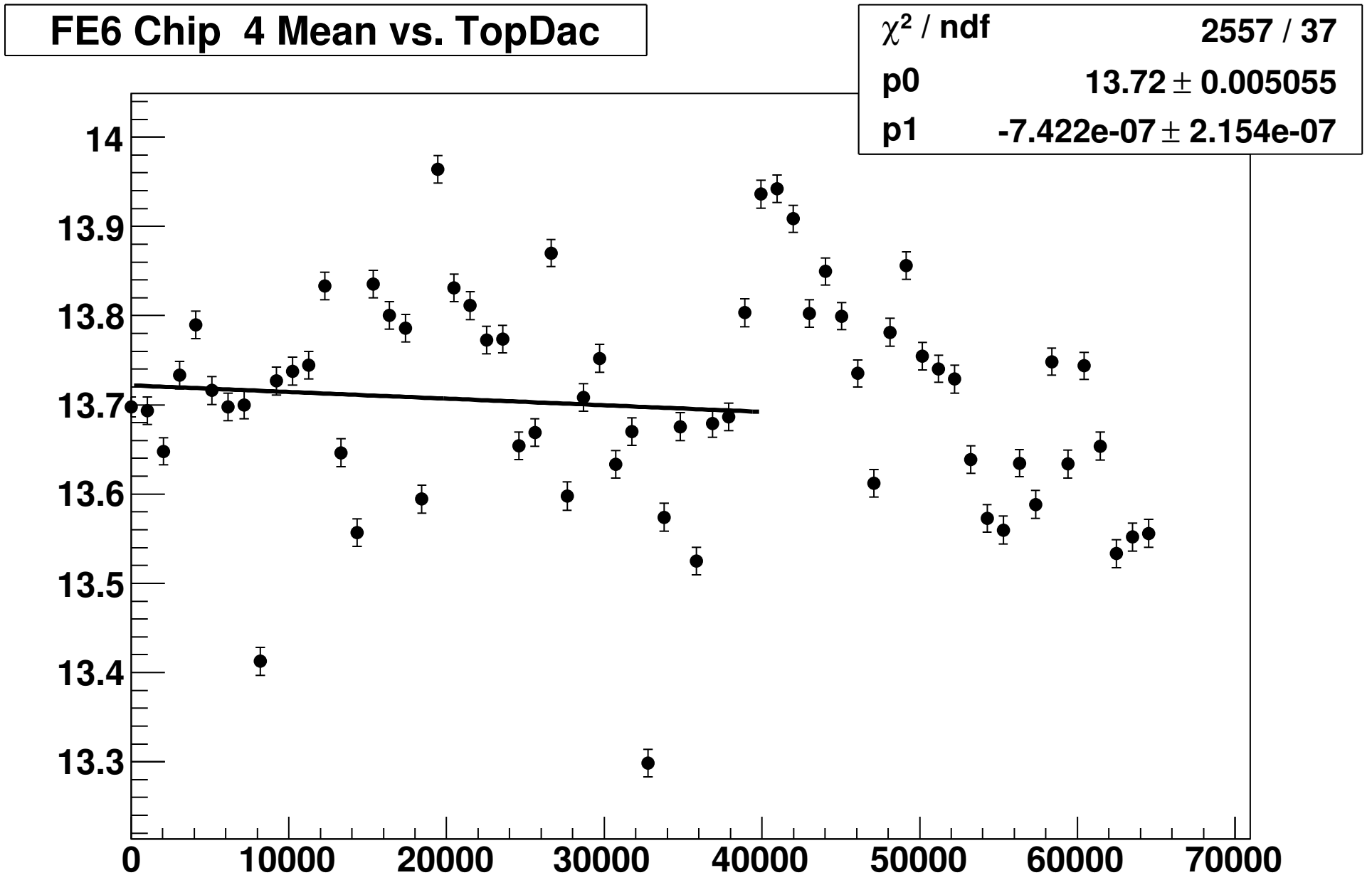
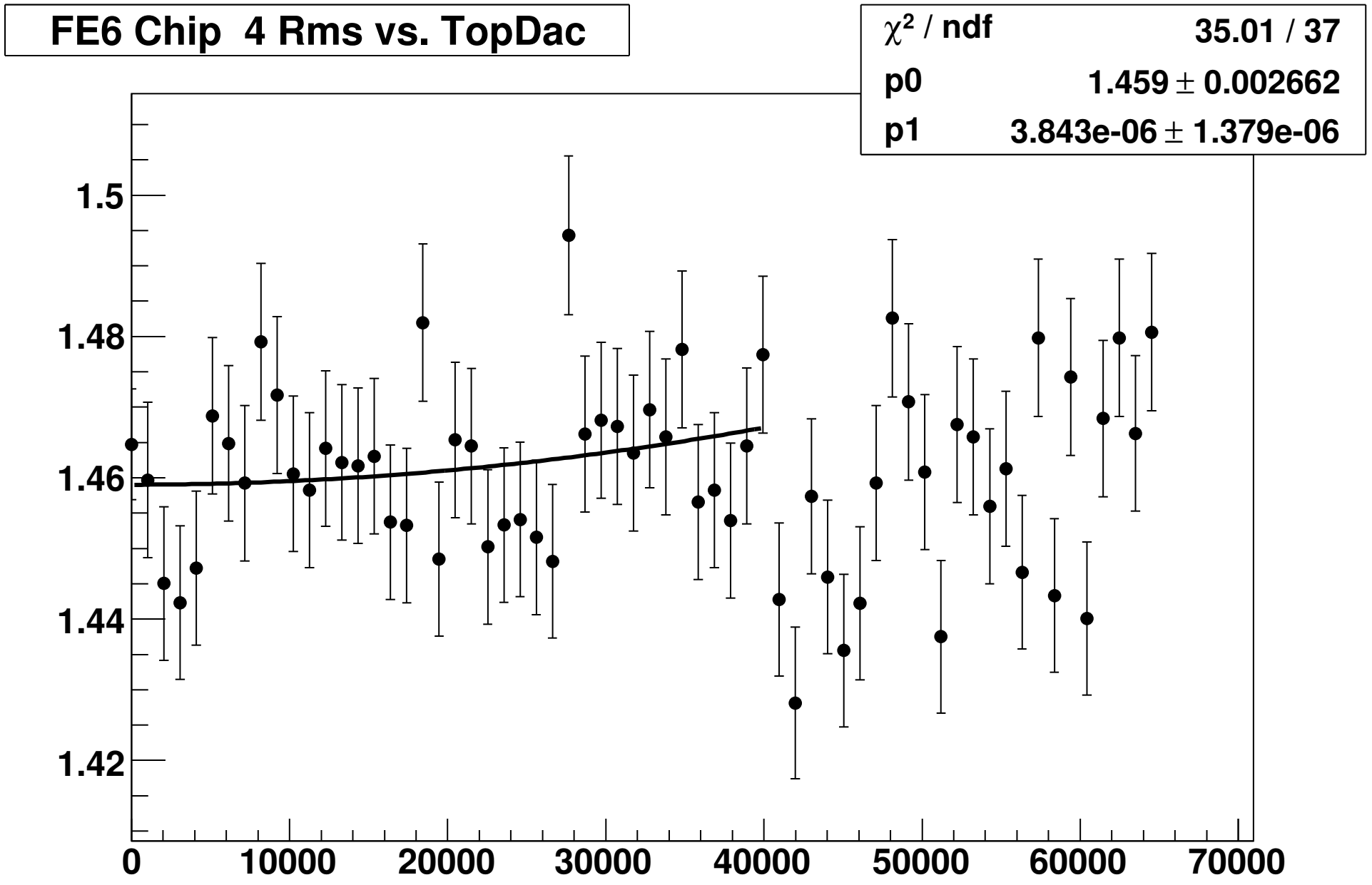
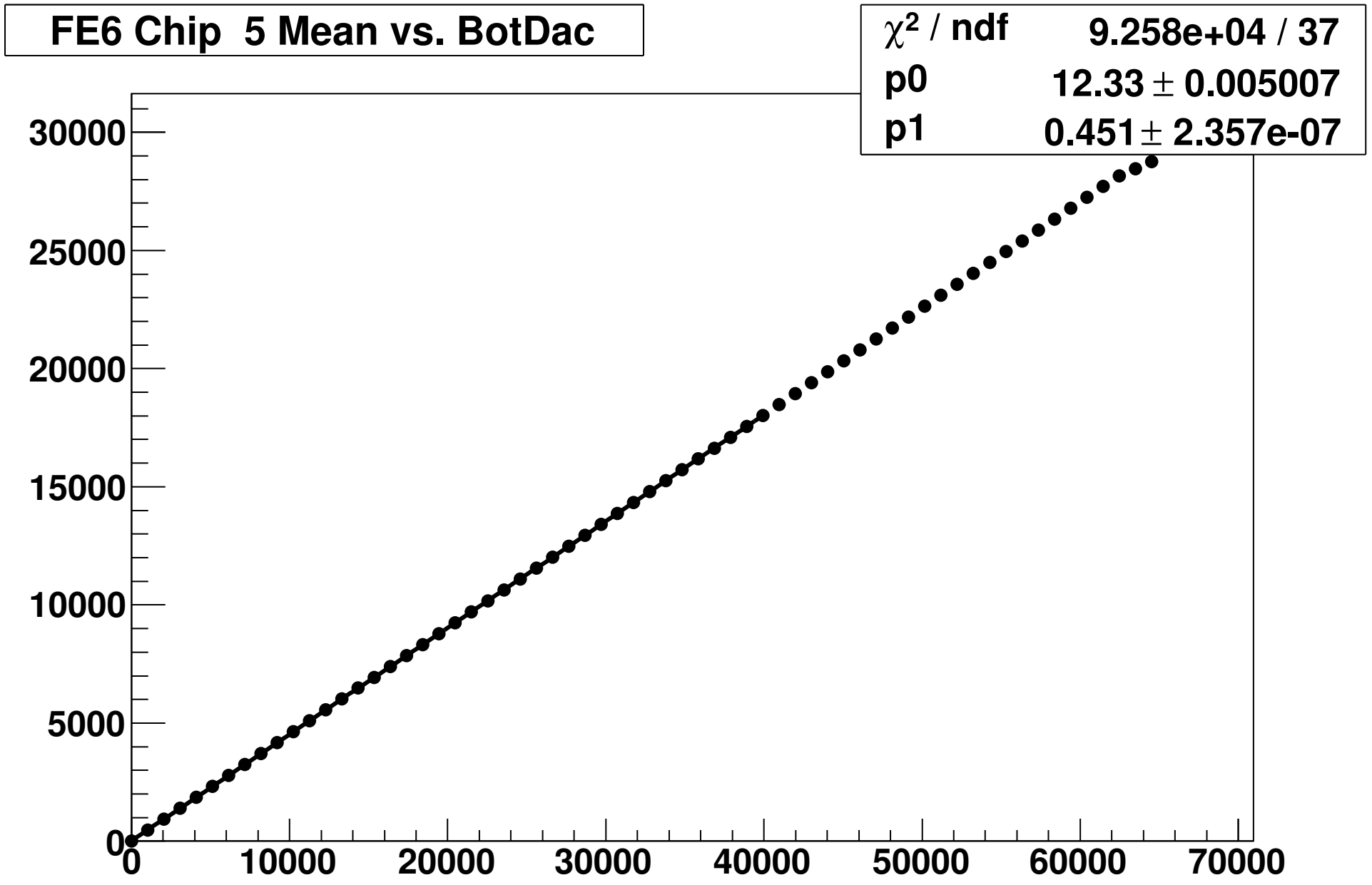
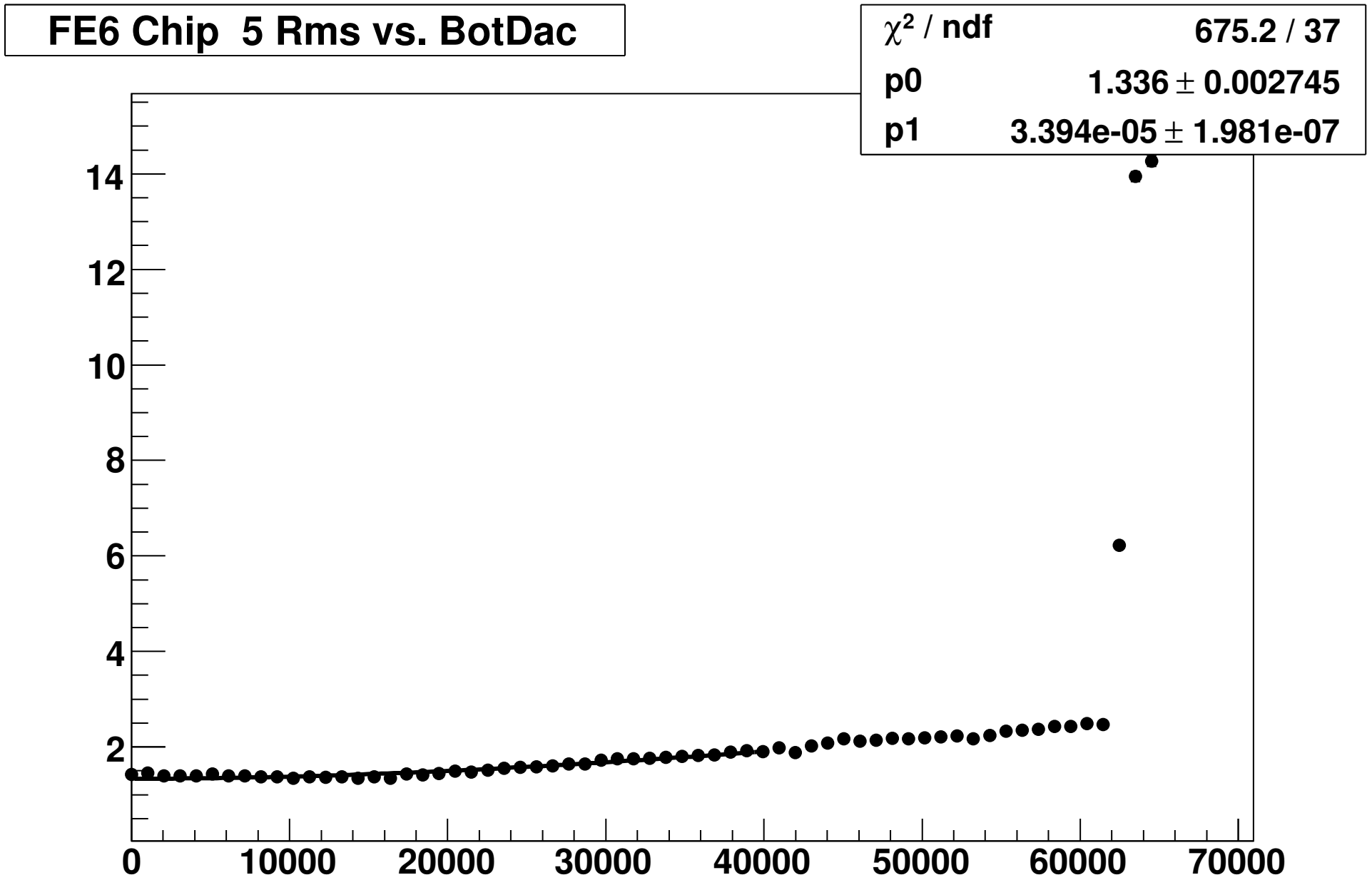
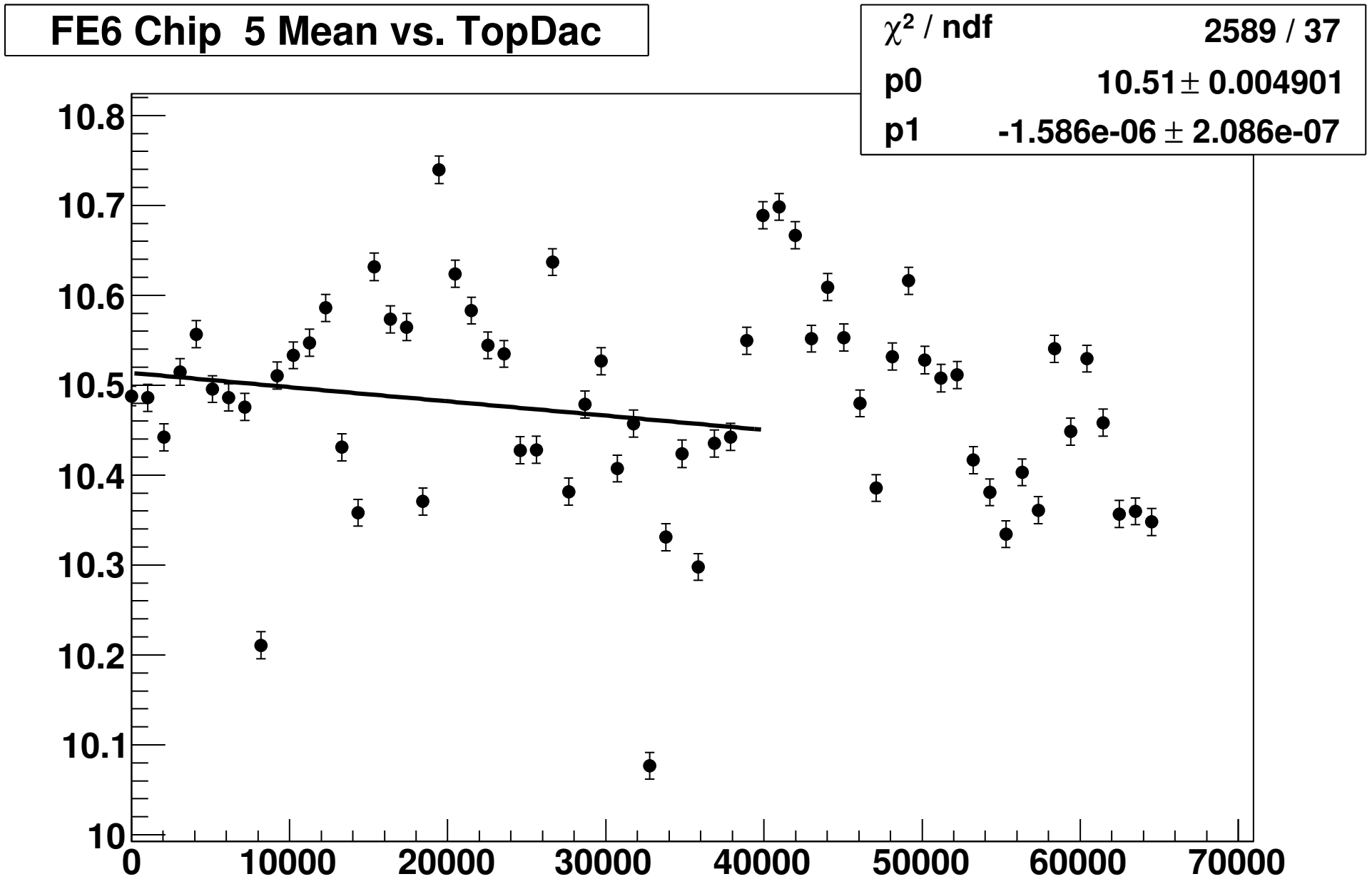
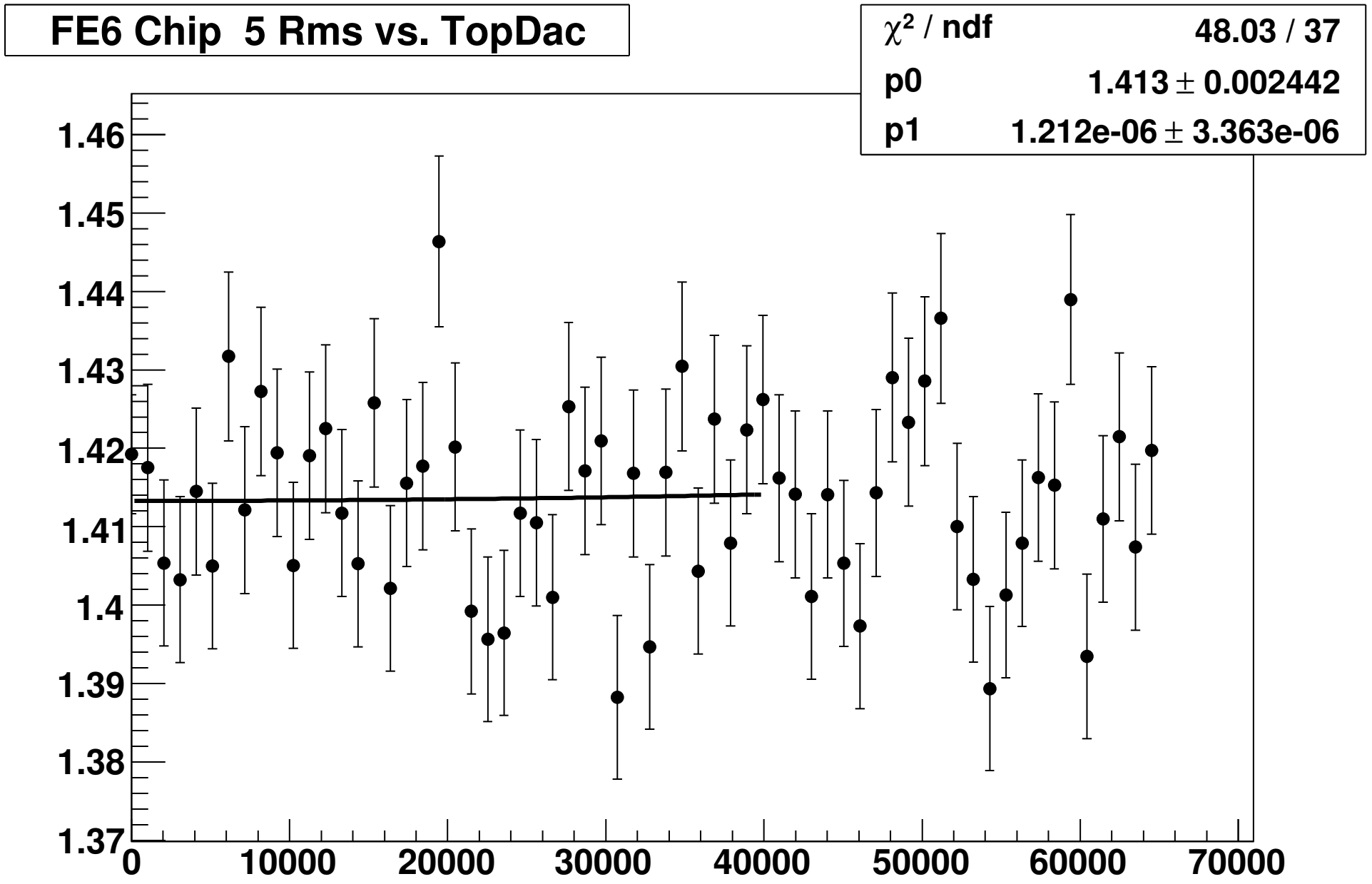

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 2557 / 37
p0 13.72 ± 0.005055
p1 -7.422e-07 ± 2.154e-07
14
13.9
13.8
13.7
13.6
13.5
13.4
13.3
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 35.01 / 37
p0 1.459 ± 0.002662
p1 3.843e-06 ± 1.379e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 9.258e+04 / 37
p0 12.33 ± 0.005007
p1 0.451 ± 2.357e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 675.2 / 37
p0 1.336 ± 0.002745
p1 3.394e-05 ± 1.981e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 2589 / 37
p0 10.51 ± 0.004901
p1 -1.586e-06 ± 2.086e-07
10.8
10.7
10.6
10.5
10.4
10.3
10.2
10.1
10
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 48.03 / 37
p0 1.413 ± 0.002442
p1 1.212e-06 ± 3.363e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
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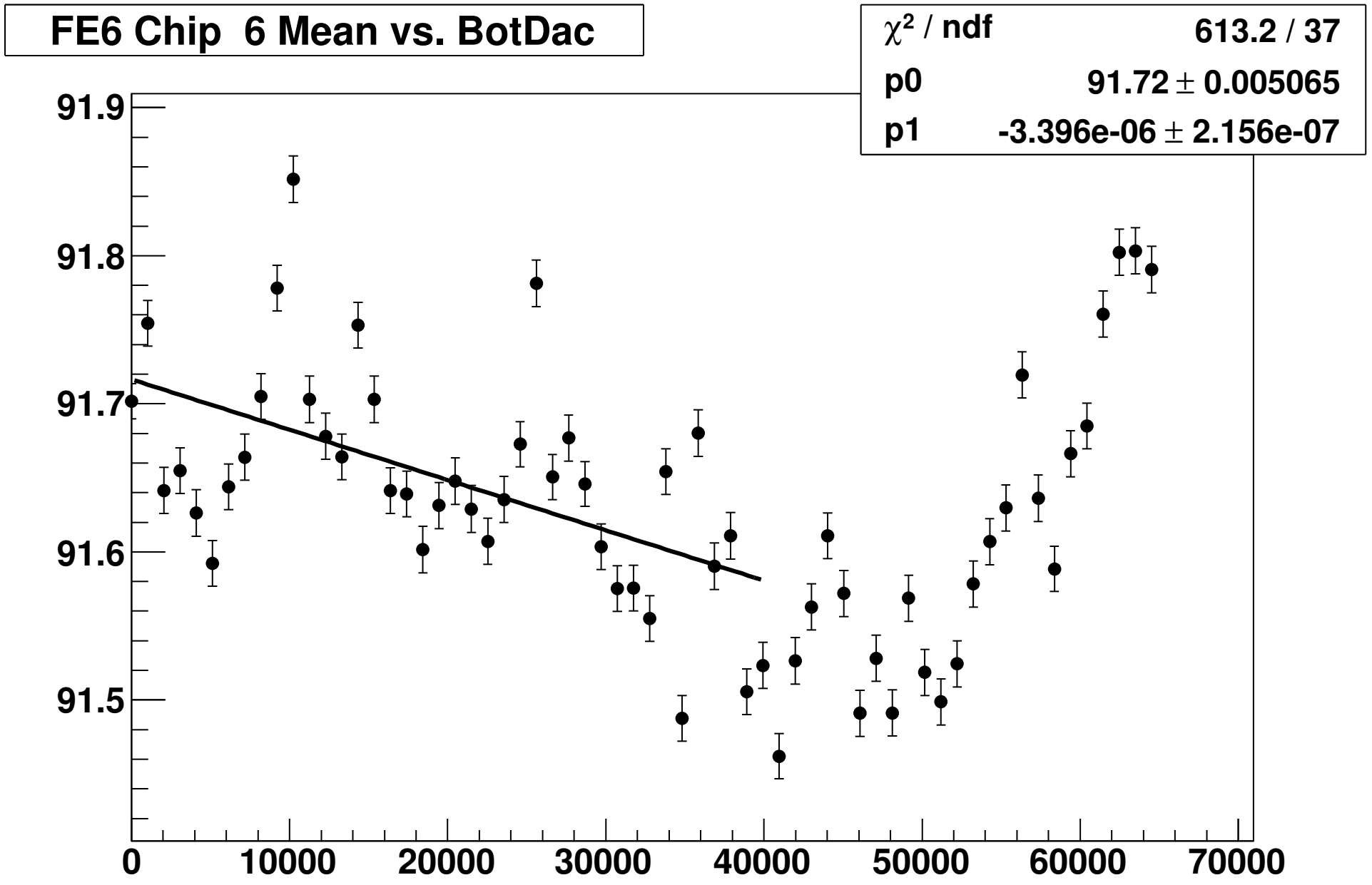
50000
60000
70000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 613.2 / 37
p0 91.72 ± 0.005065
p1 -3.396e-06 ± 2.156e-07
91.9
91.8
91.7
91.6
91.5
0
10000
20000
30000
40000
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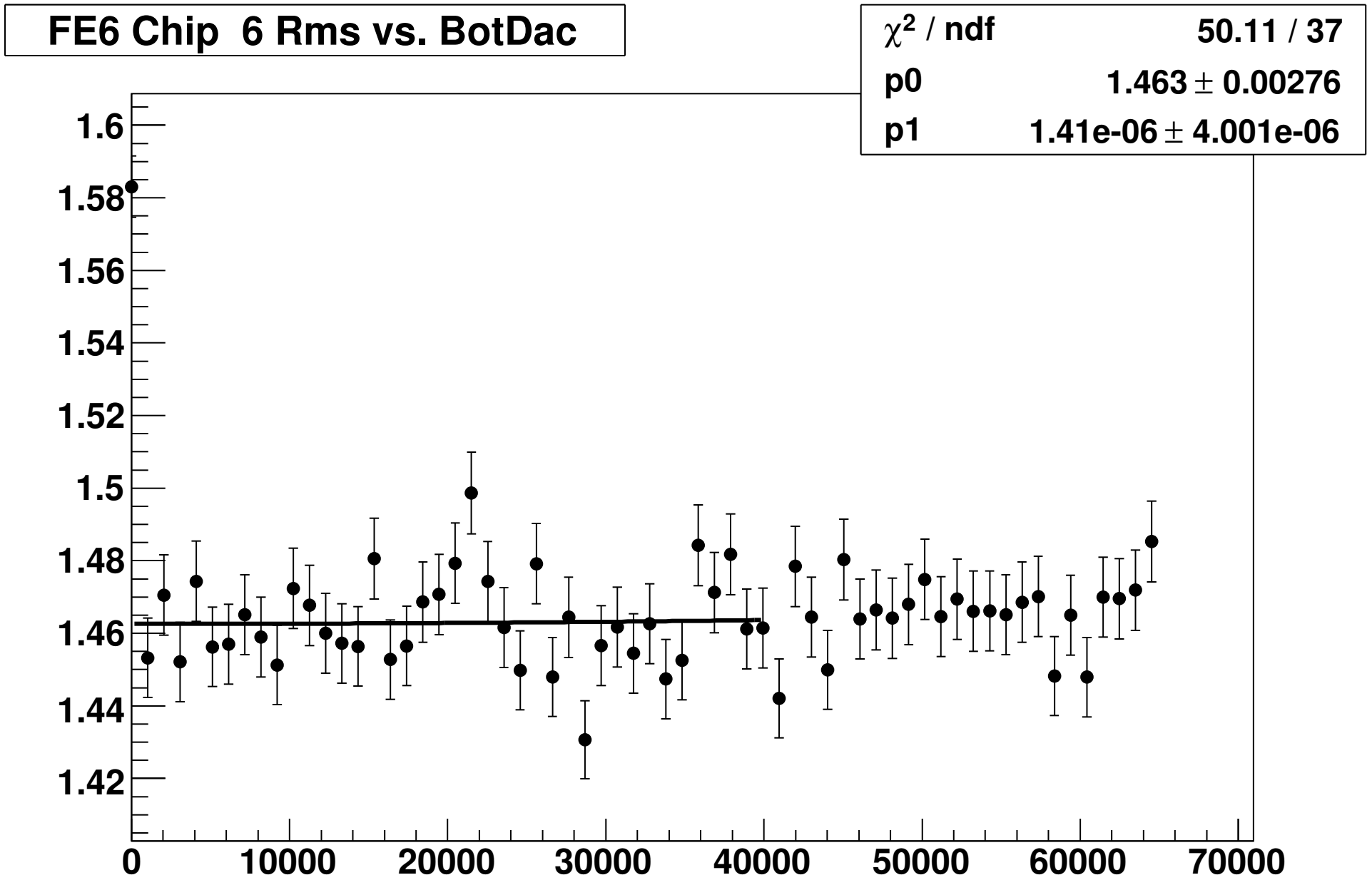
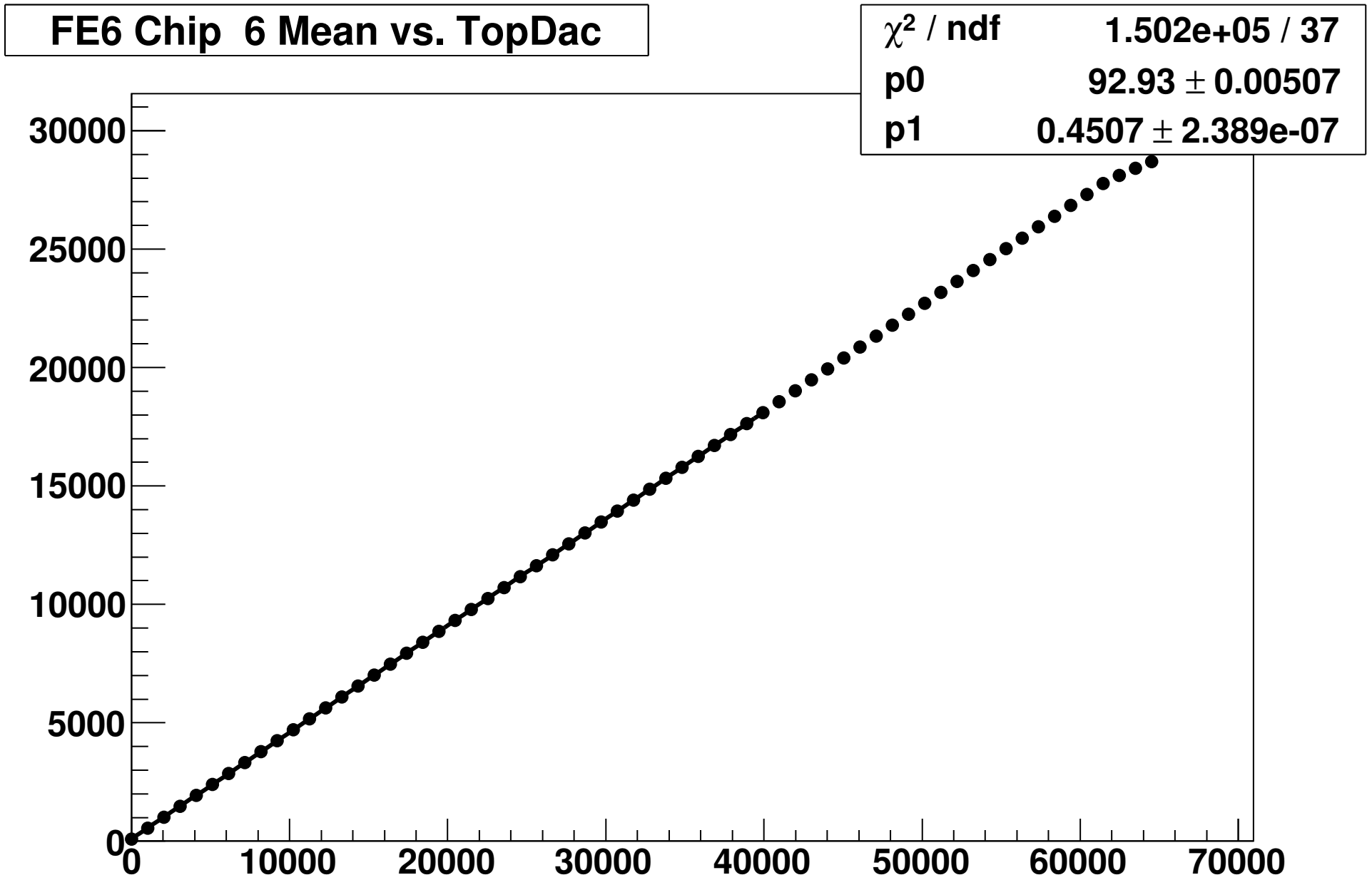
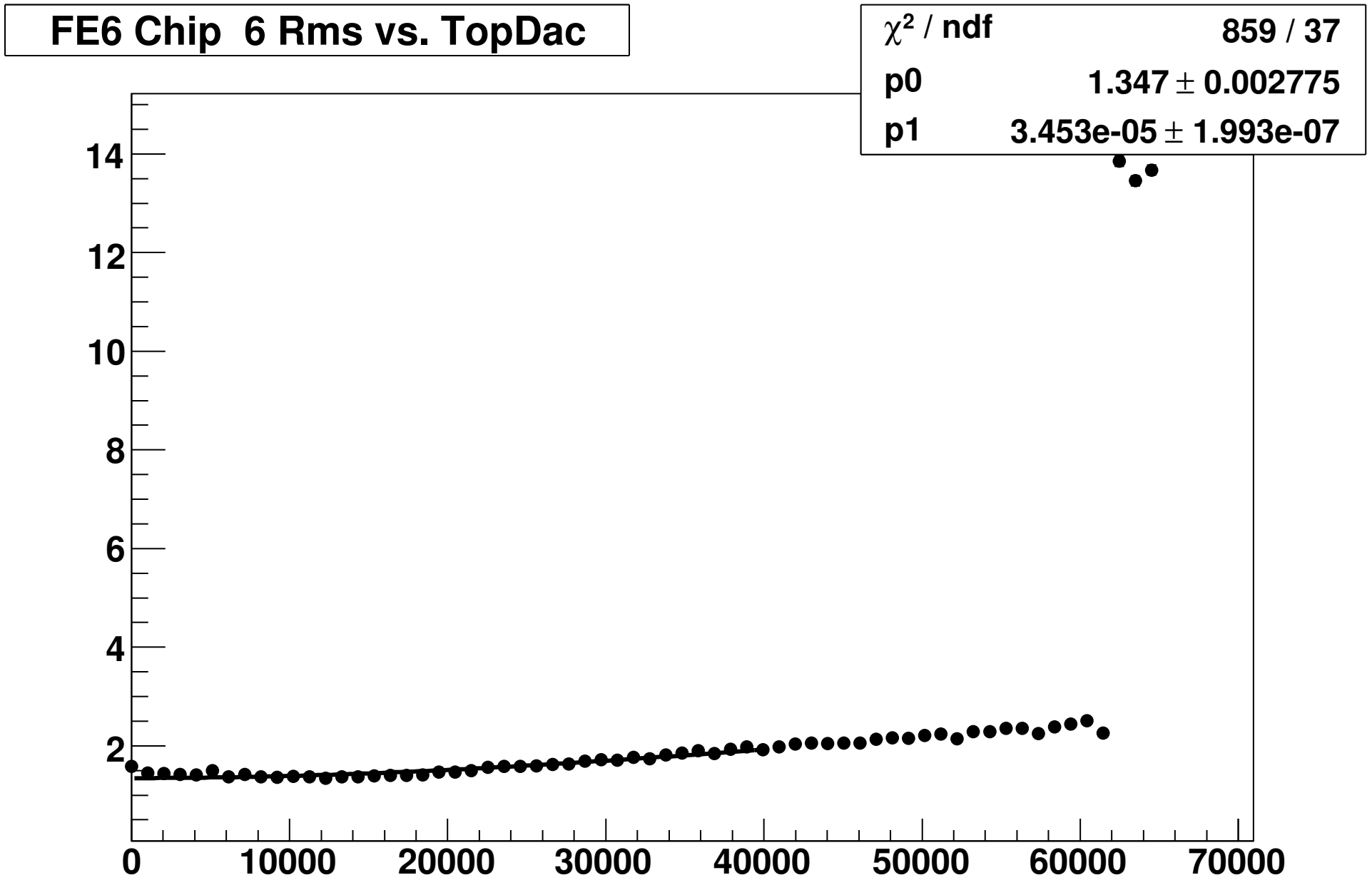
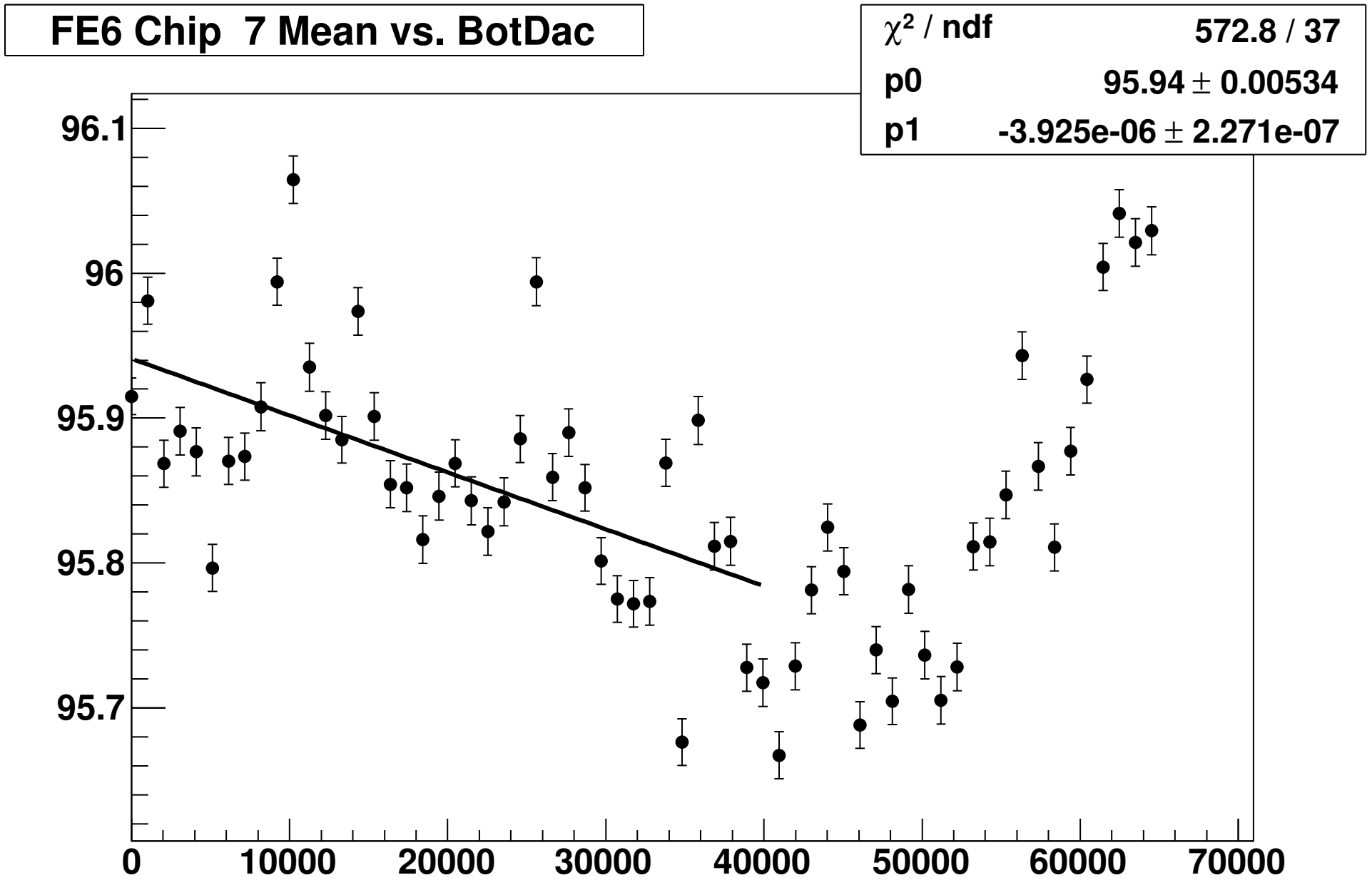
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 50.11 / 37
p0 1.463 ± 0.00276
p1 1.41e-06 ± 4.001e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.502e+05 / 37
p0 92.93 ± 0.00507
p1 0.4507 ± 2.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 859 / 37
p0 1.347 ± 0.002775
p1 3.453e-05 ± 1.993e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 572.8 / 37
p0 95.94 ± 0.00534
p1 -3.925e-06 ± 2.271e-07
96.1
96
95.9
95.8
95.7
0
10000
20000
30000
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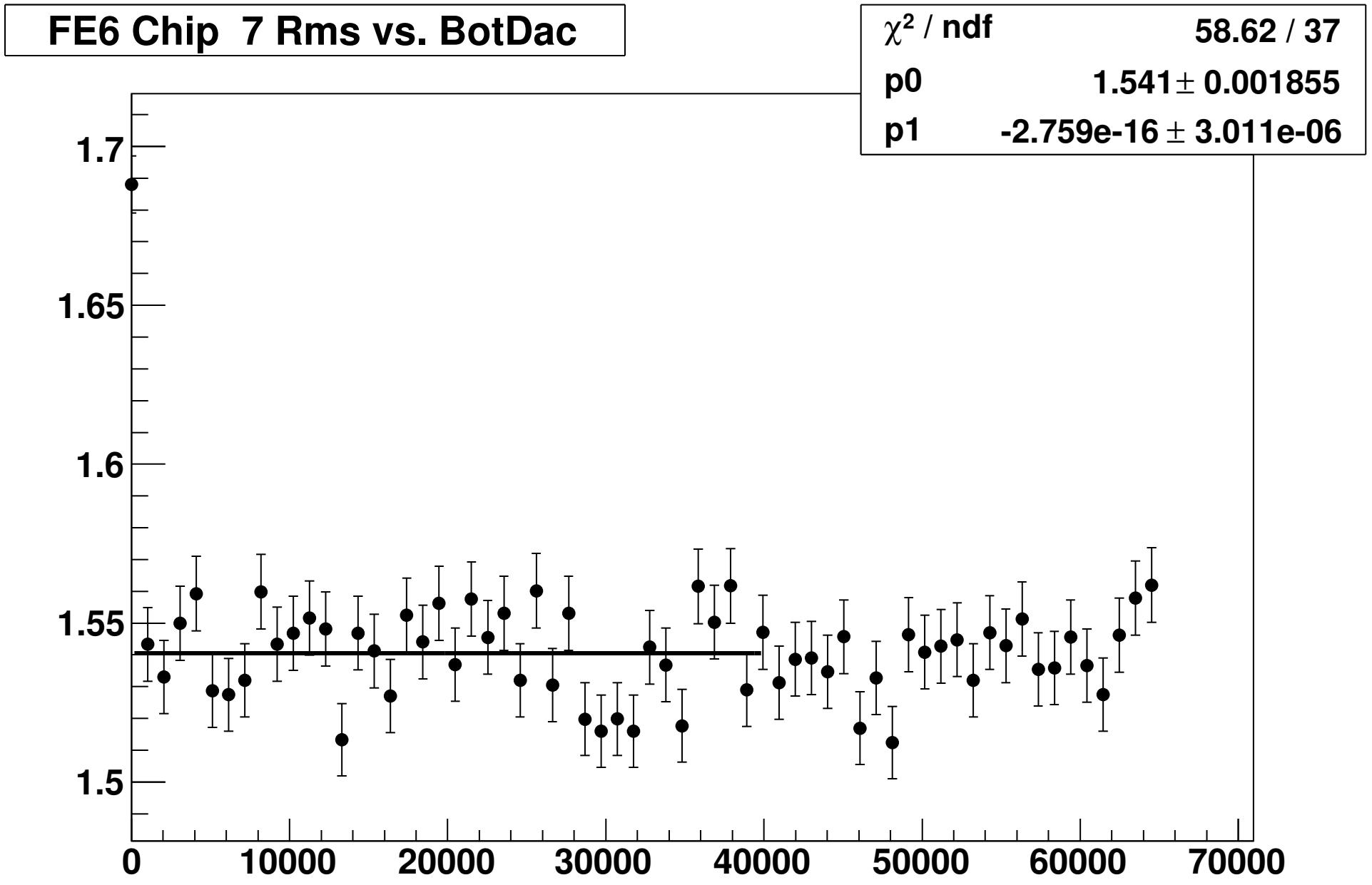
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 58.62 / 37
p0 1.541 ± 0.001855
p1 -2.759e-16 ± 3.011e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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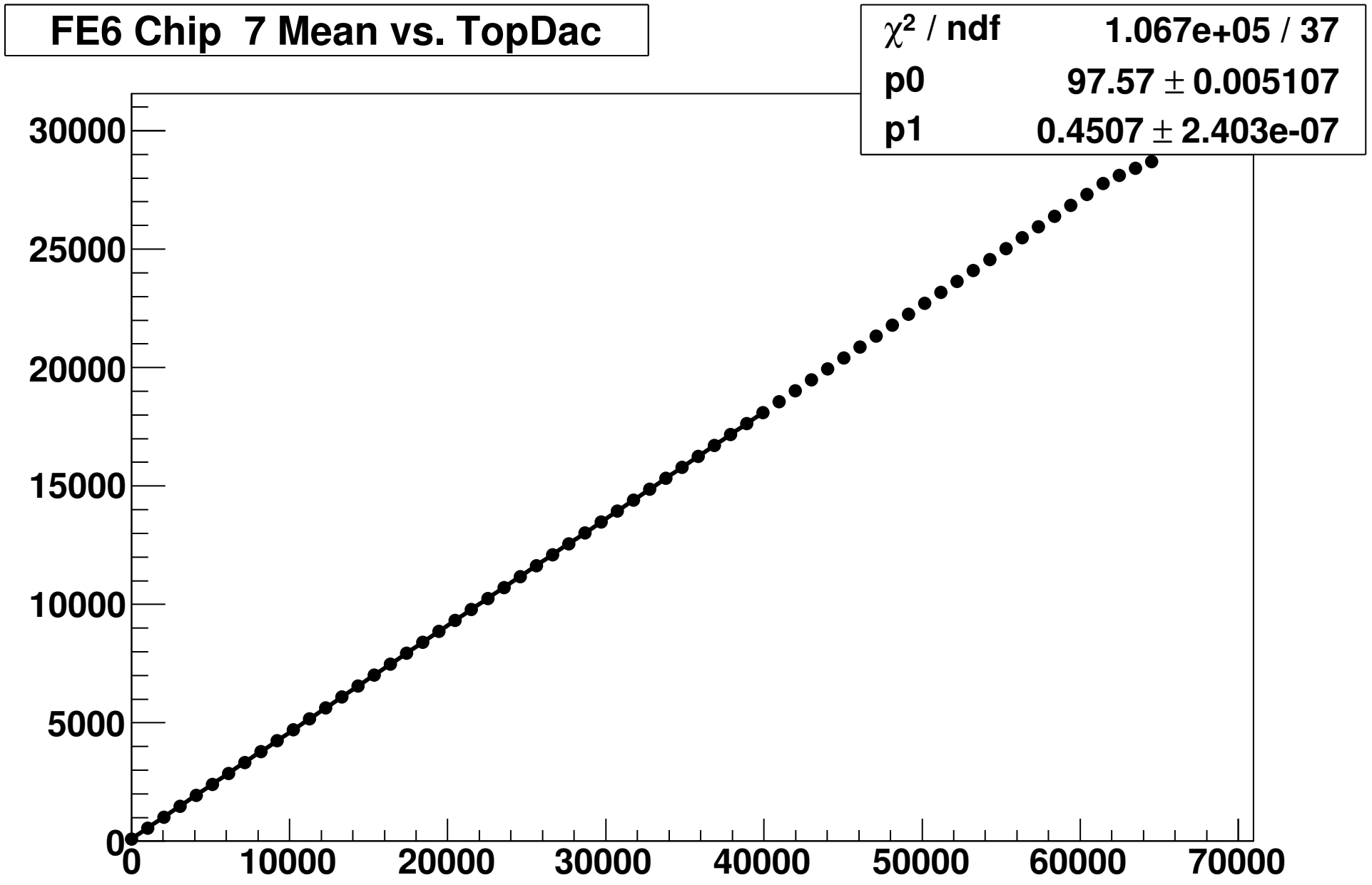
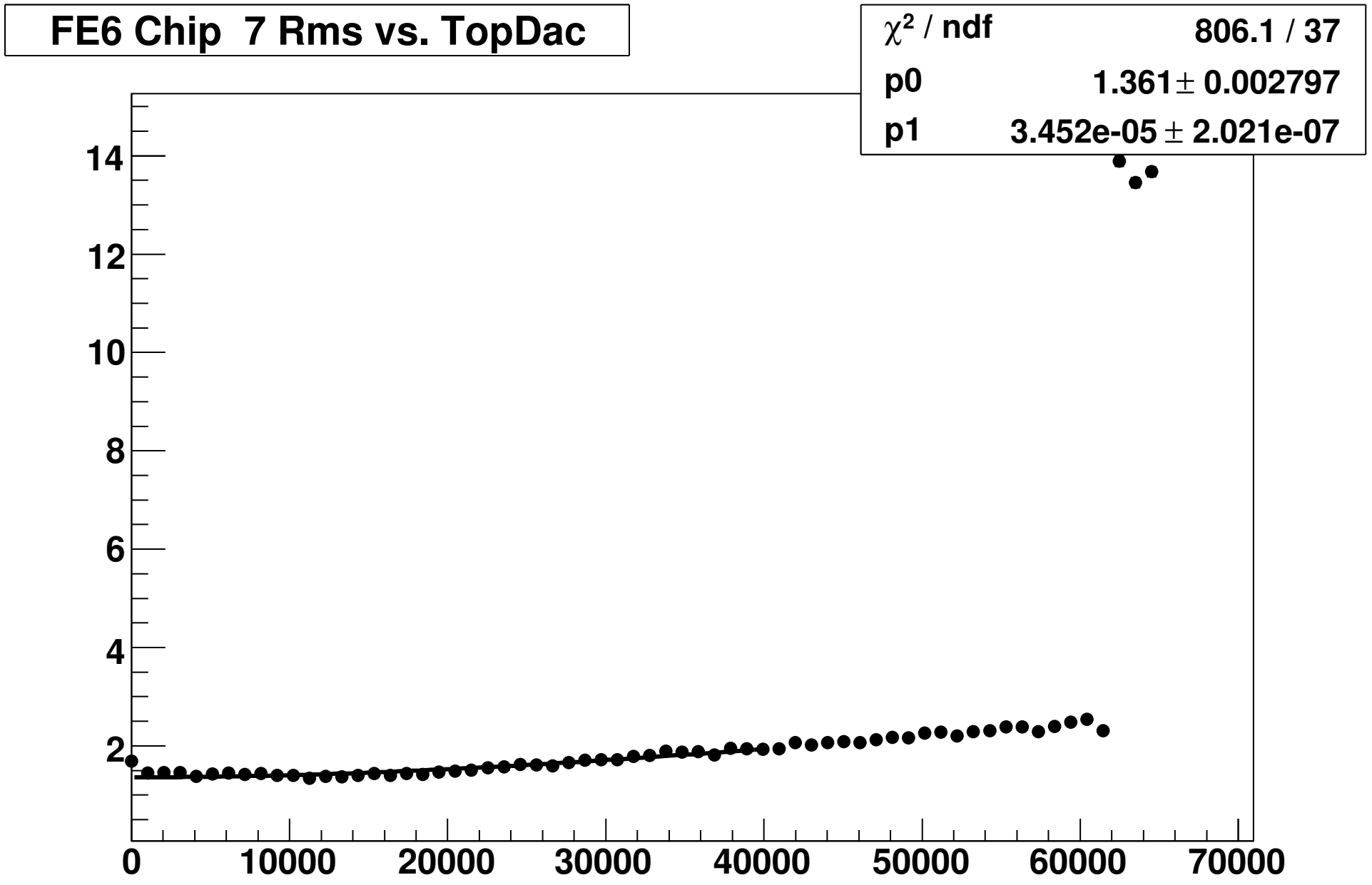
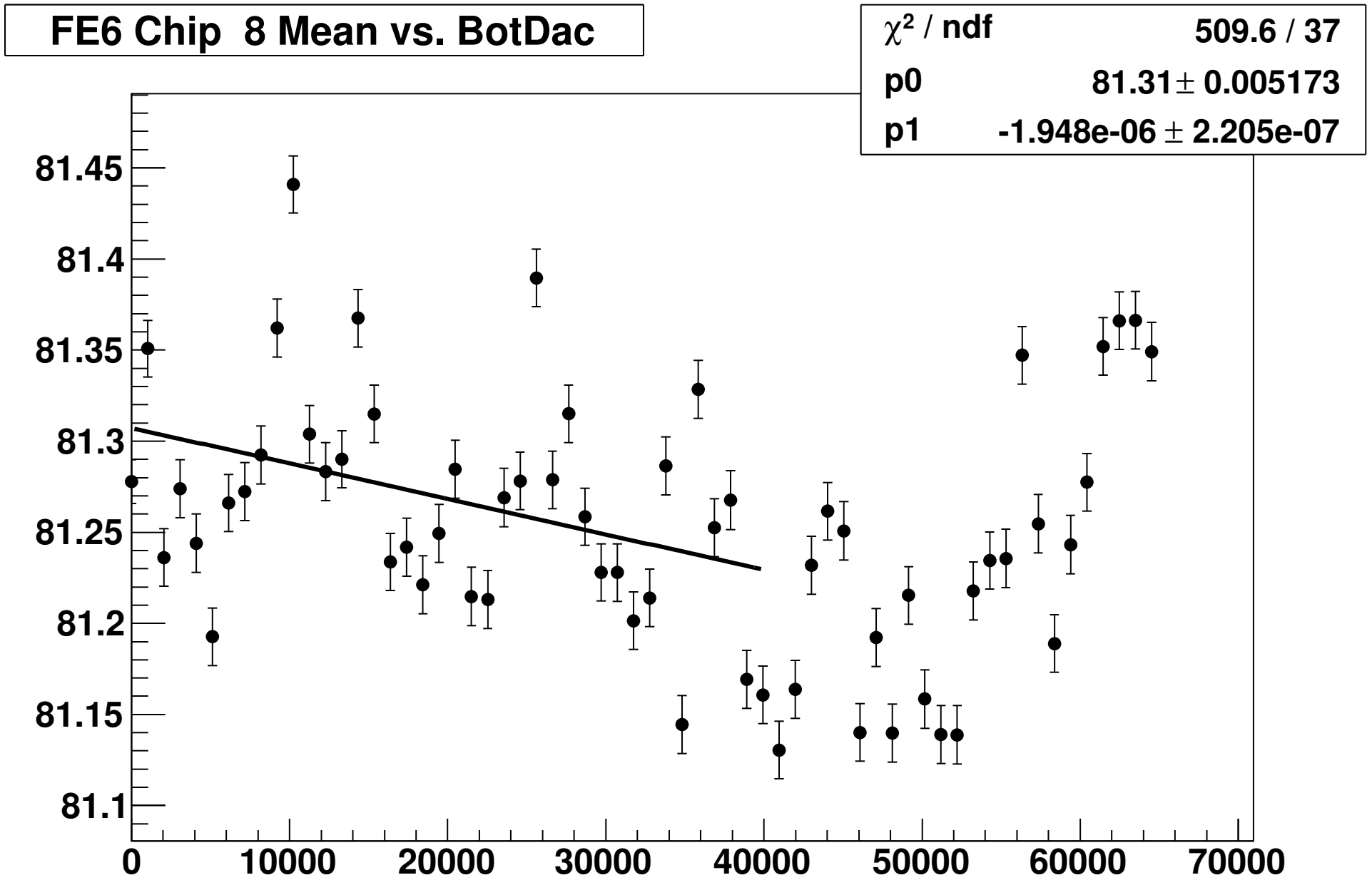
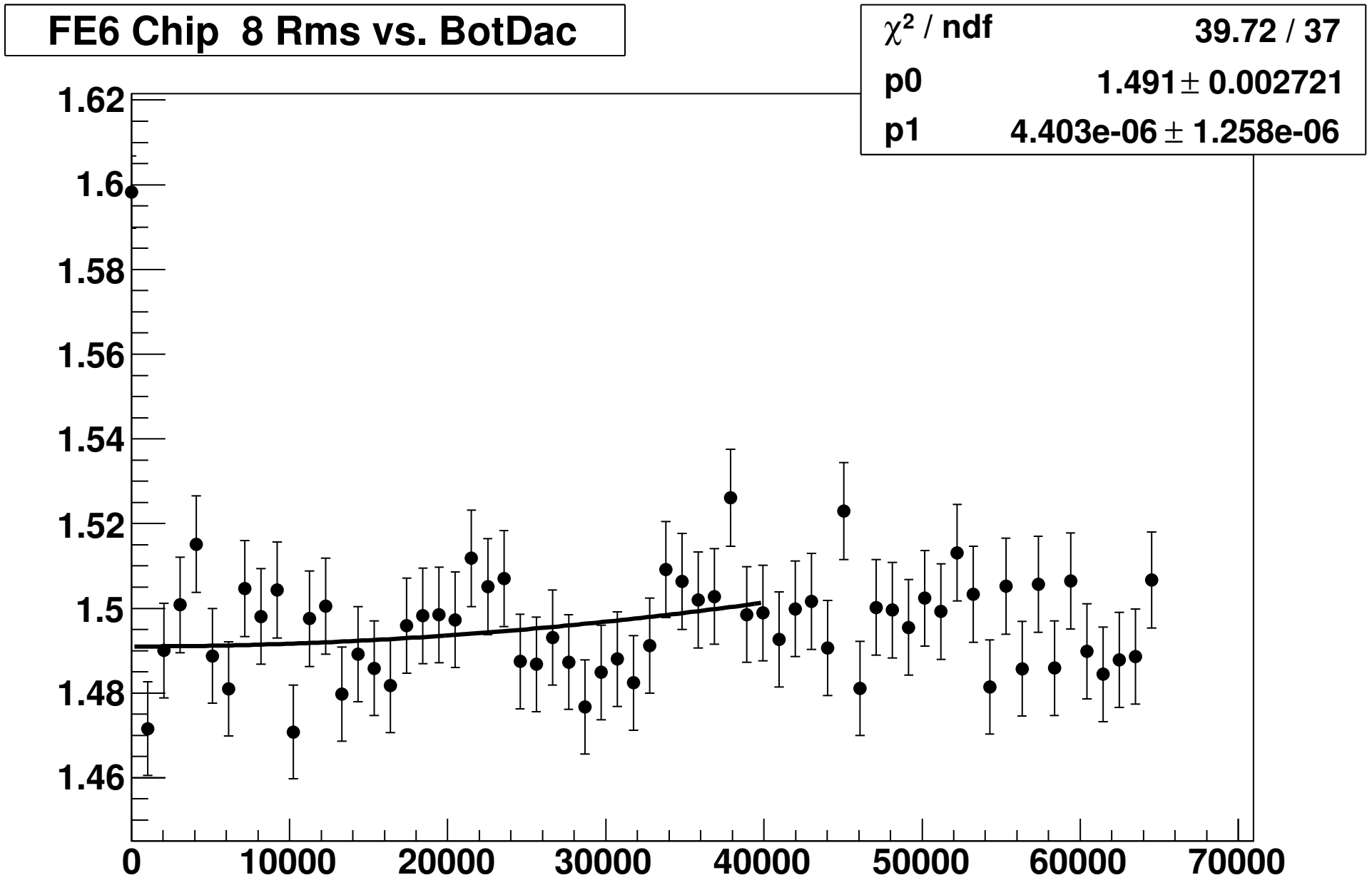
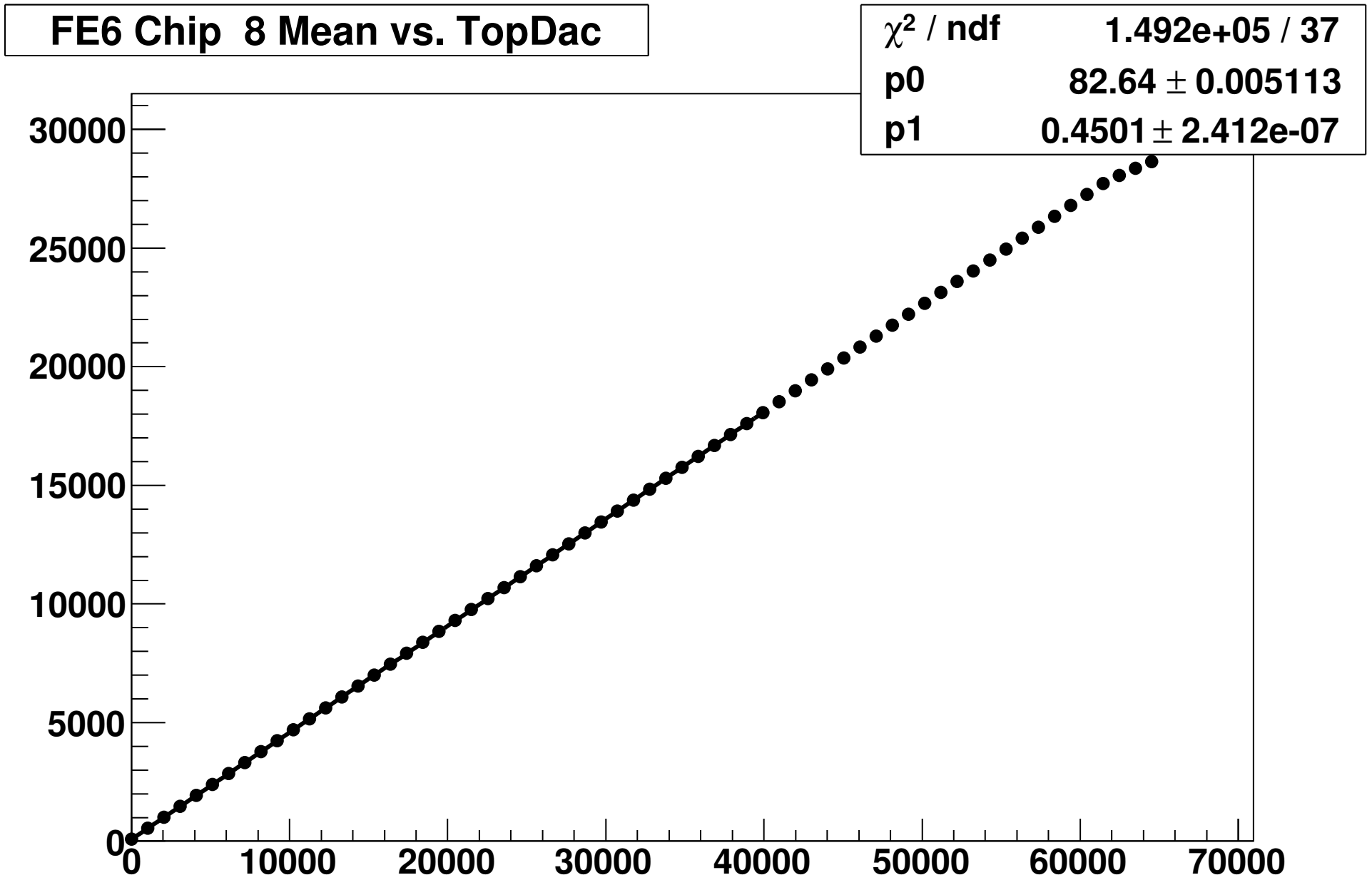
60000
70000

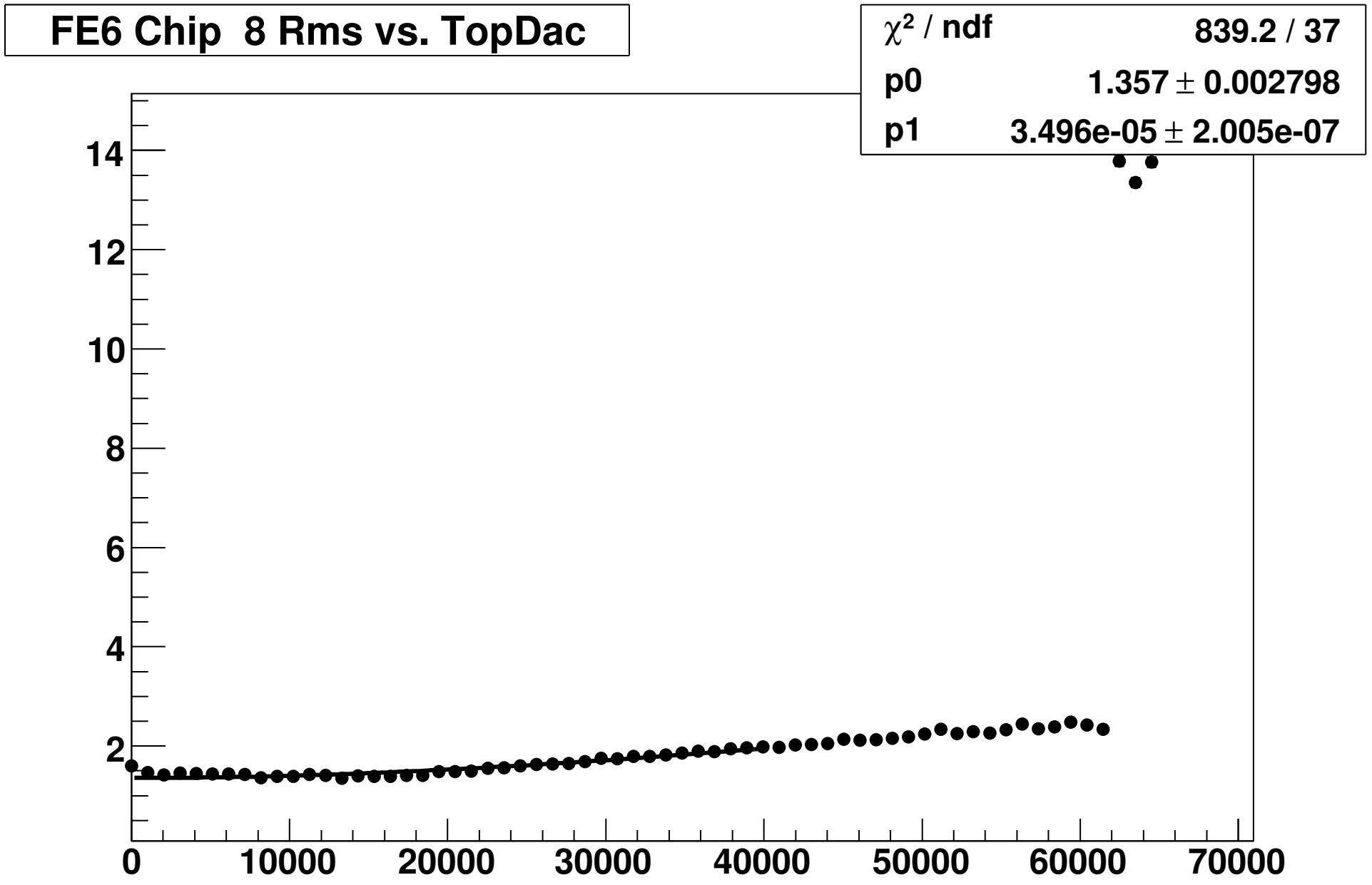

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.067e+05 / 37
p0 97.57 ± 0.005107
p1 0.4507 ± 2.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

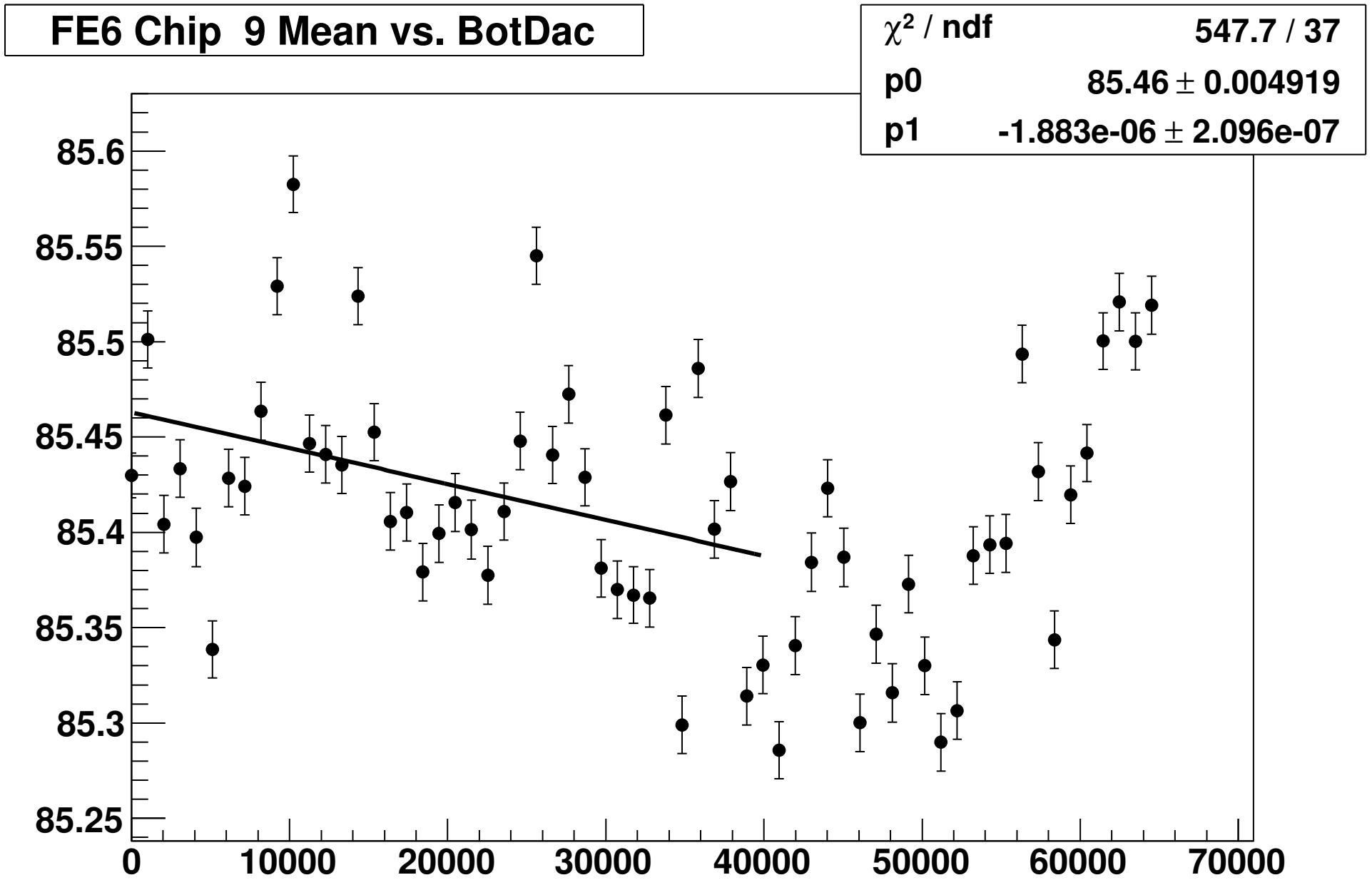

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 806.1 / 37
p0 1.361 ± 0.002797
p1 3.452e-05 ± 2.021e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

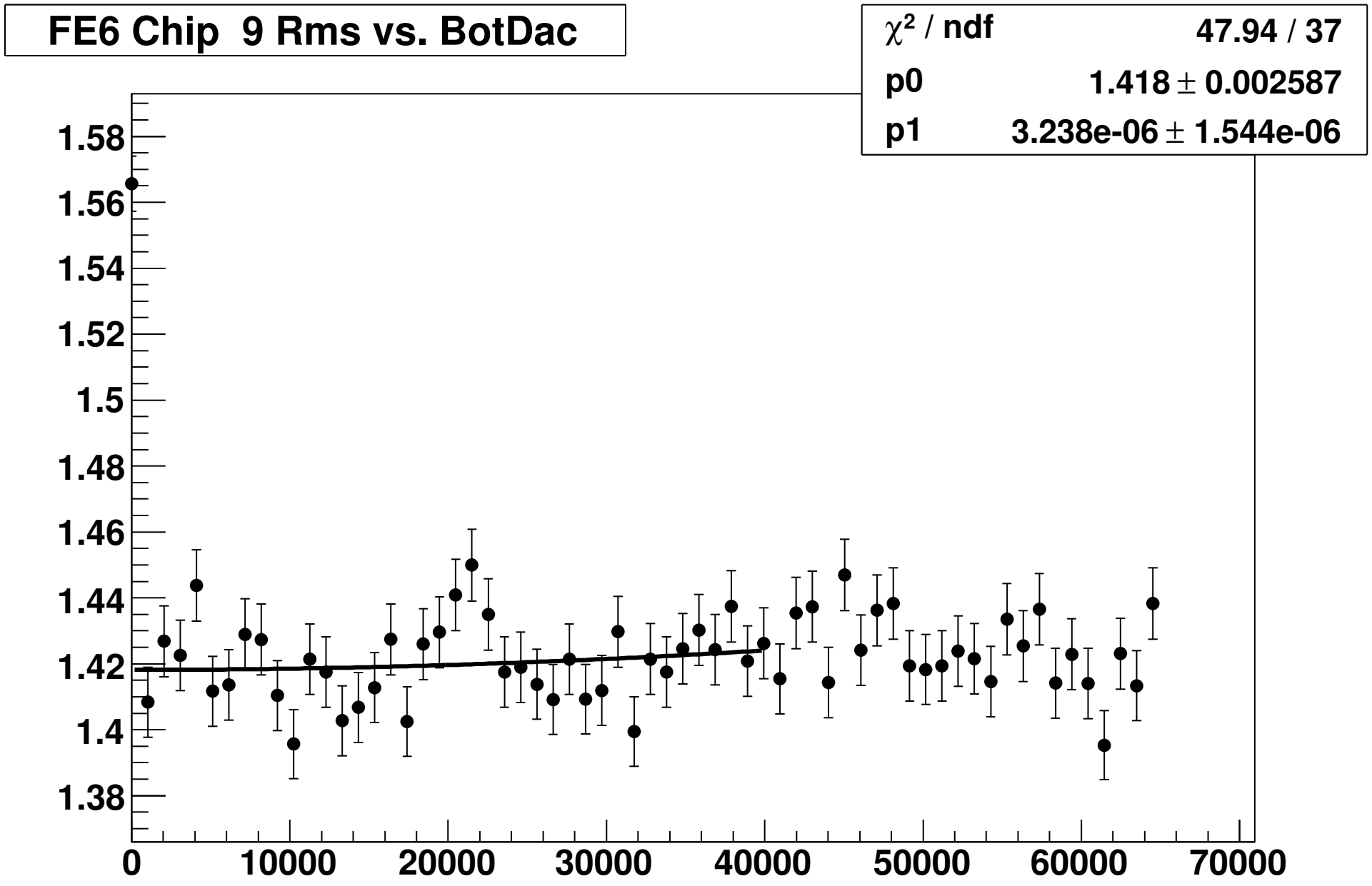

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 509.6 / 37
p0 81.31 ± 0.005173
p1 -1.948e-06 ± 2.205e-07
81.45
81.4
81.35
81.3
81.25
81.2
81.15
81.1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 39.72 / 37
p0 1.491 ± 0.002721
p1 4.403e-06 ± 1.258e-06
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


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.492e+05 / 37
p0 82.64 ± 0.005113
p1 0.4501 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 839.2 / 37
p0 1.357 ± 0.002798
p1 3.496e-05 ± 2.005e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 547.7 / 37
p0 85.46 ± 0.004919
p1 -1.883e-06 ± 2.096e-07
85.6
85.55
85.5
85.45
85.4
85.35
85.3
85.25
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 47.94 / 37
p0 1.418 ± 0.002587
p1 3.238e-06 ± 1.544e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
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40000
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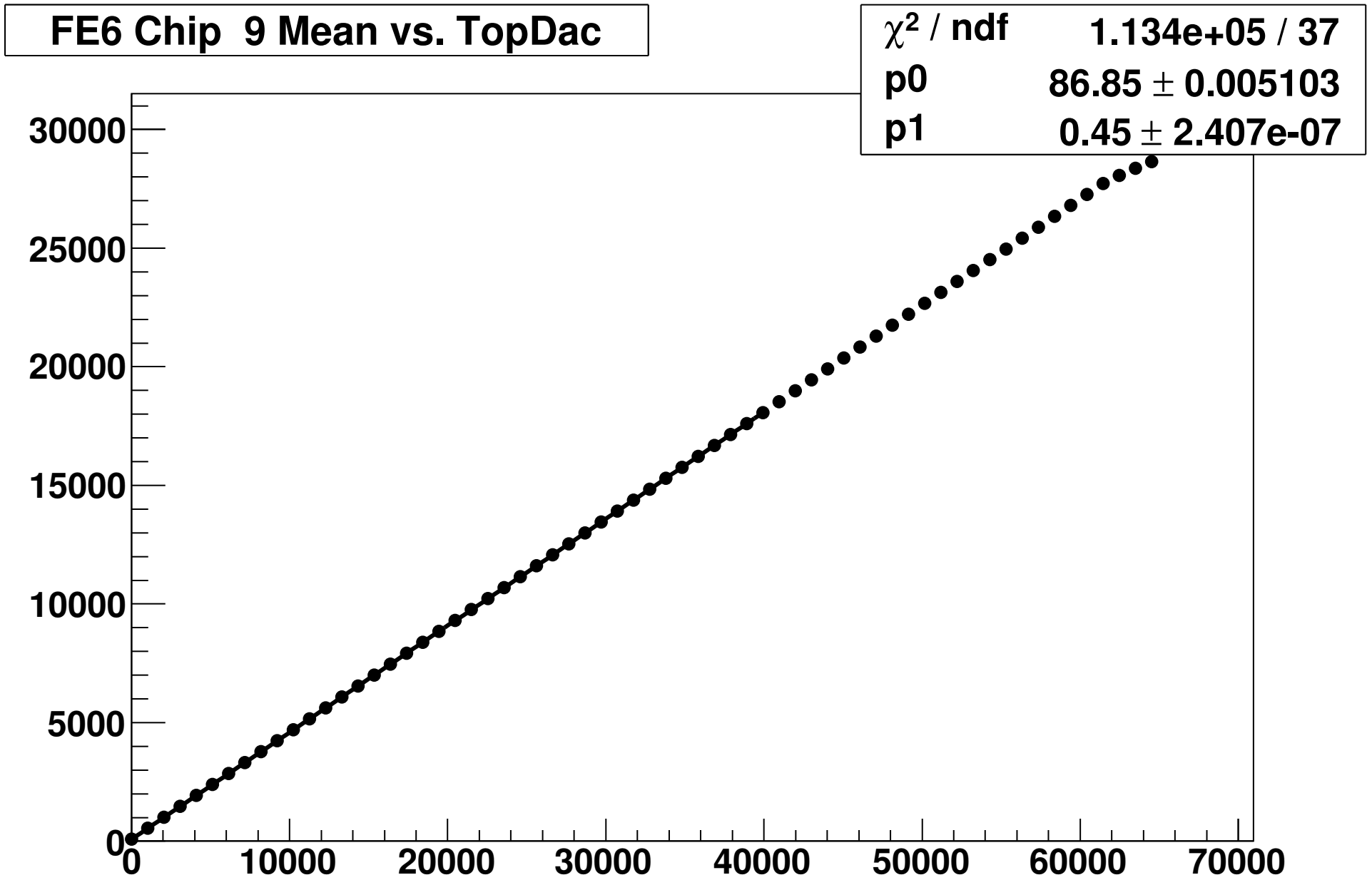
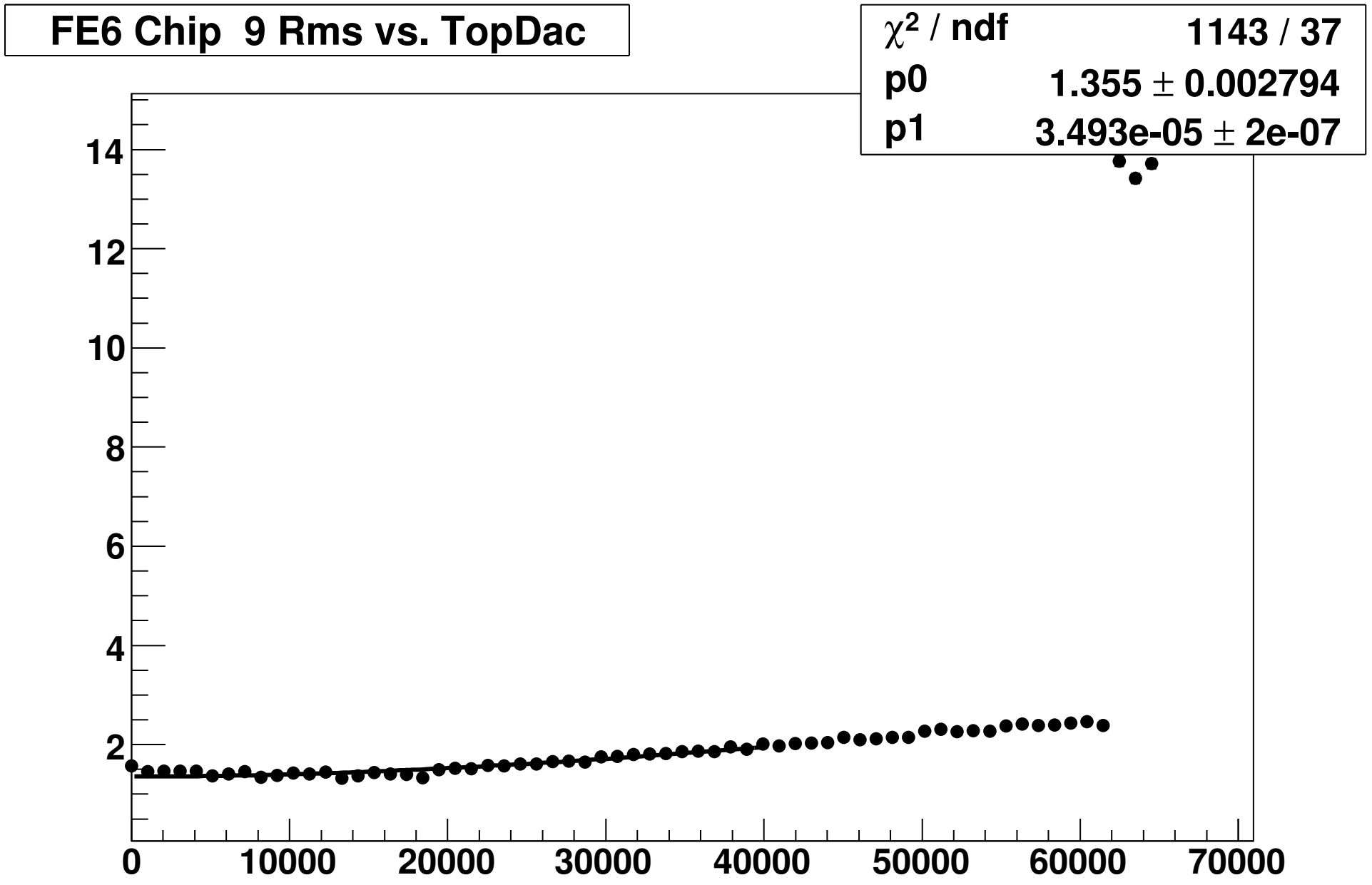
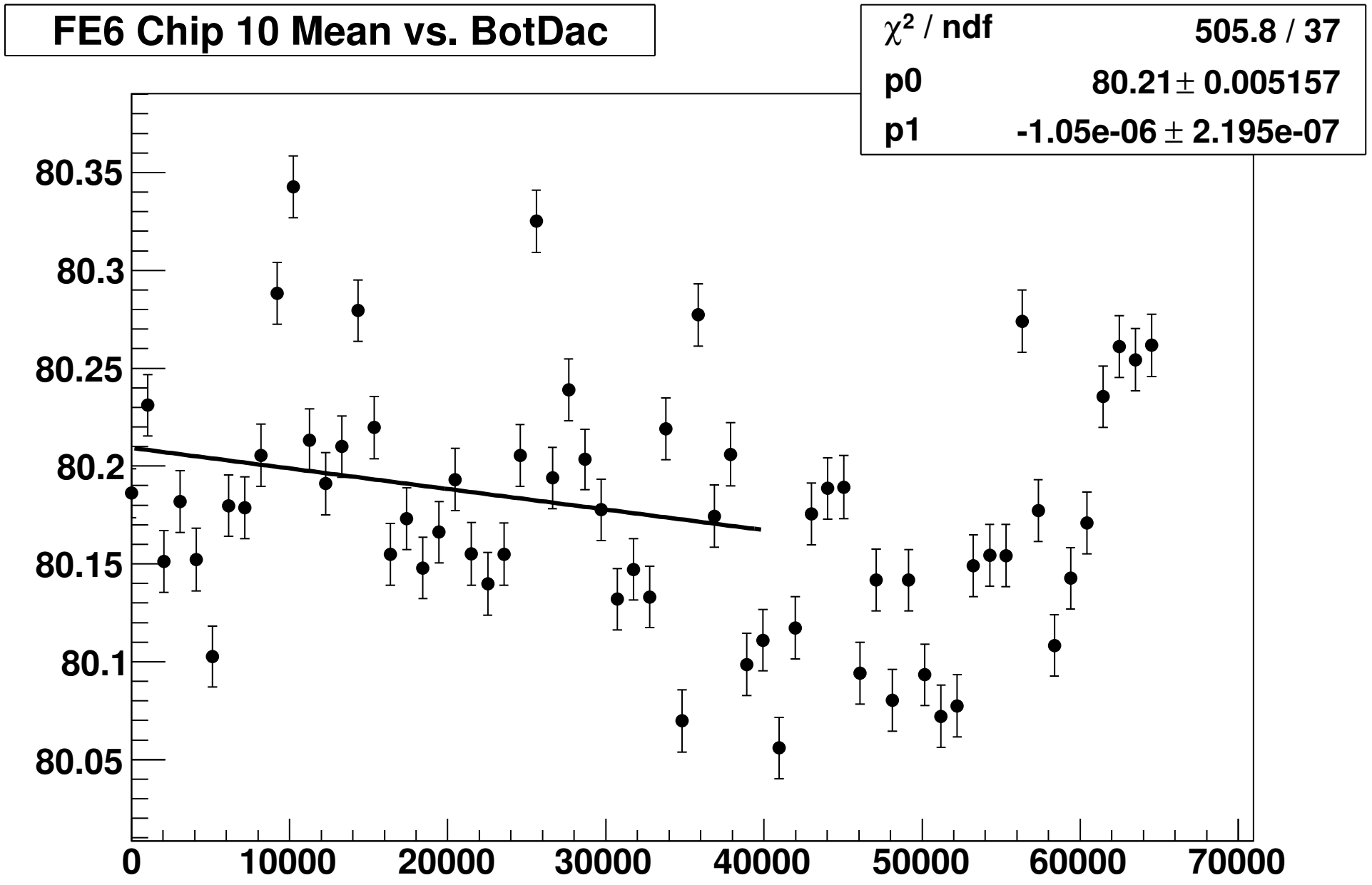
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.134e+05 / 37
p0 86.85 ± 0.005103
p1 0.45 ± 2.407e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1143 / 37
p0 1.355 ± 0.002794
p1 3.493e-05 ± 2e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 505.8 / 37
p0 80.21 ± 0.005157
p1 -1.05e-06 ± 2.195e-07
80.35
80.3
80.25
80.2
80.15
80.1
80.05
0
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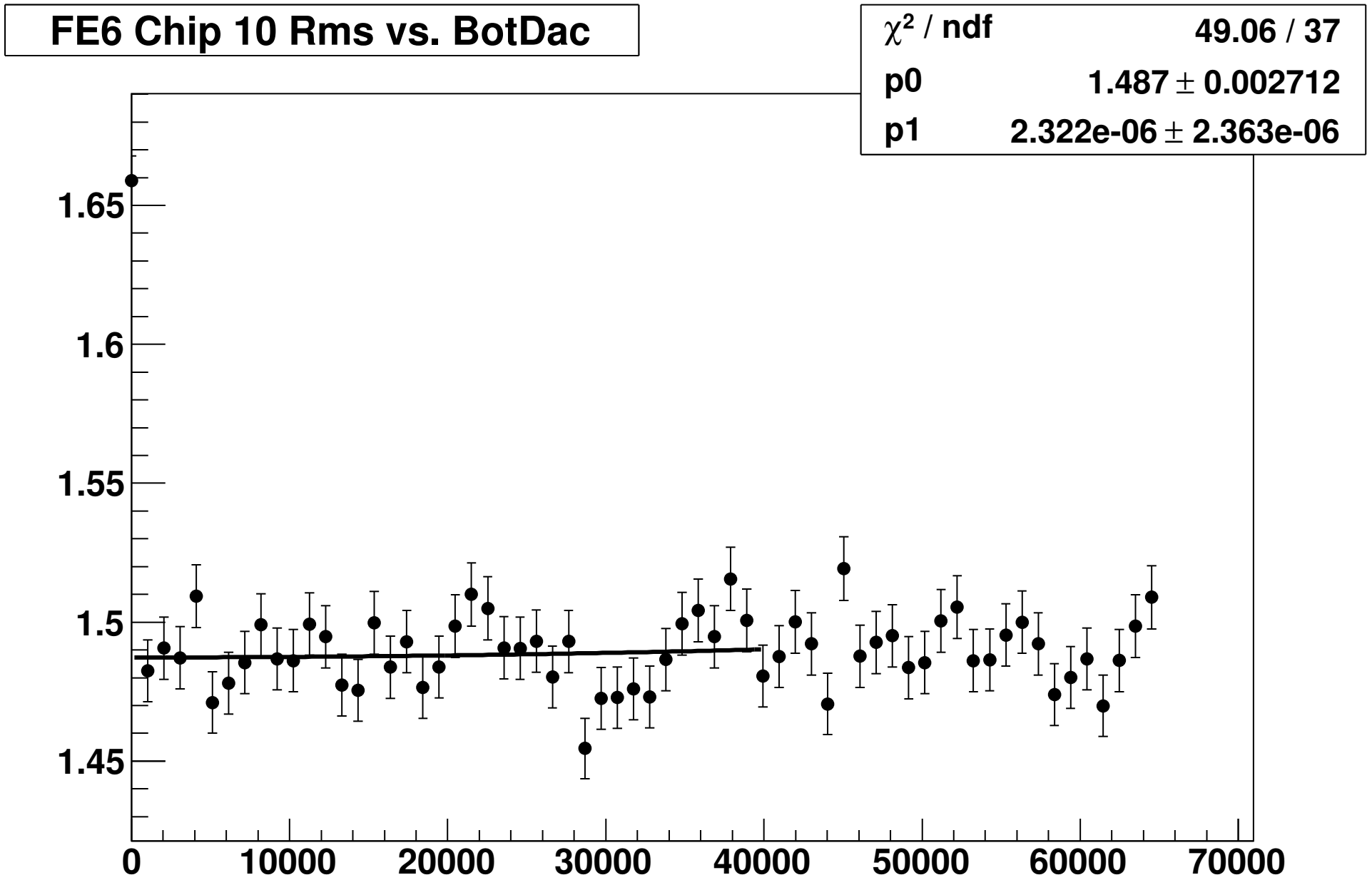
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 49.06 / 37
p0 1.487 ± 0.002712
p1 2.322e-06 ± 2.363e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
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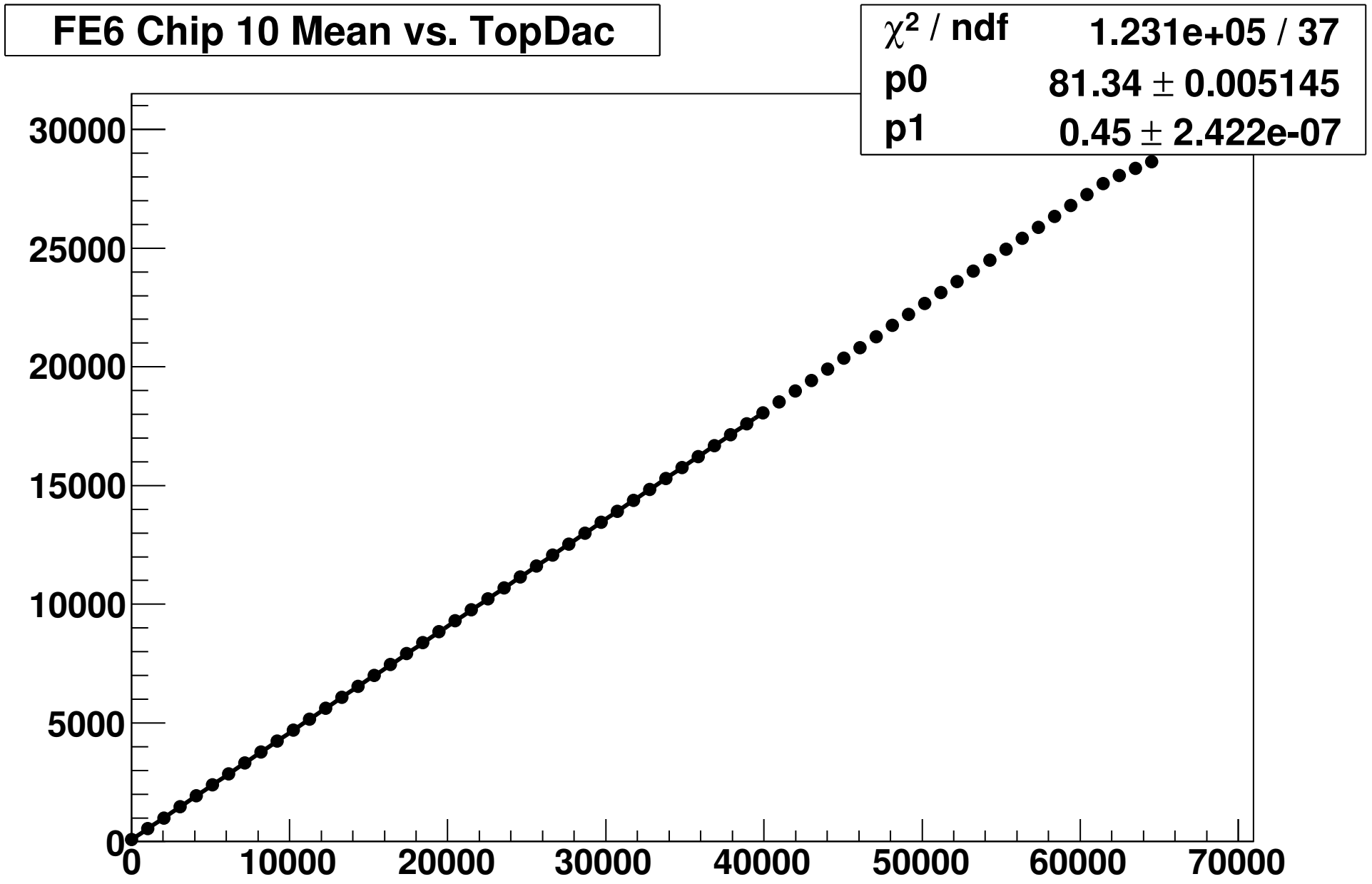
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.231e+05 / 37
p0 81.34 ± 0.005145
p1 0.45 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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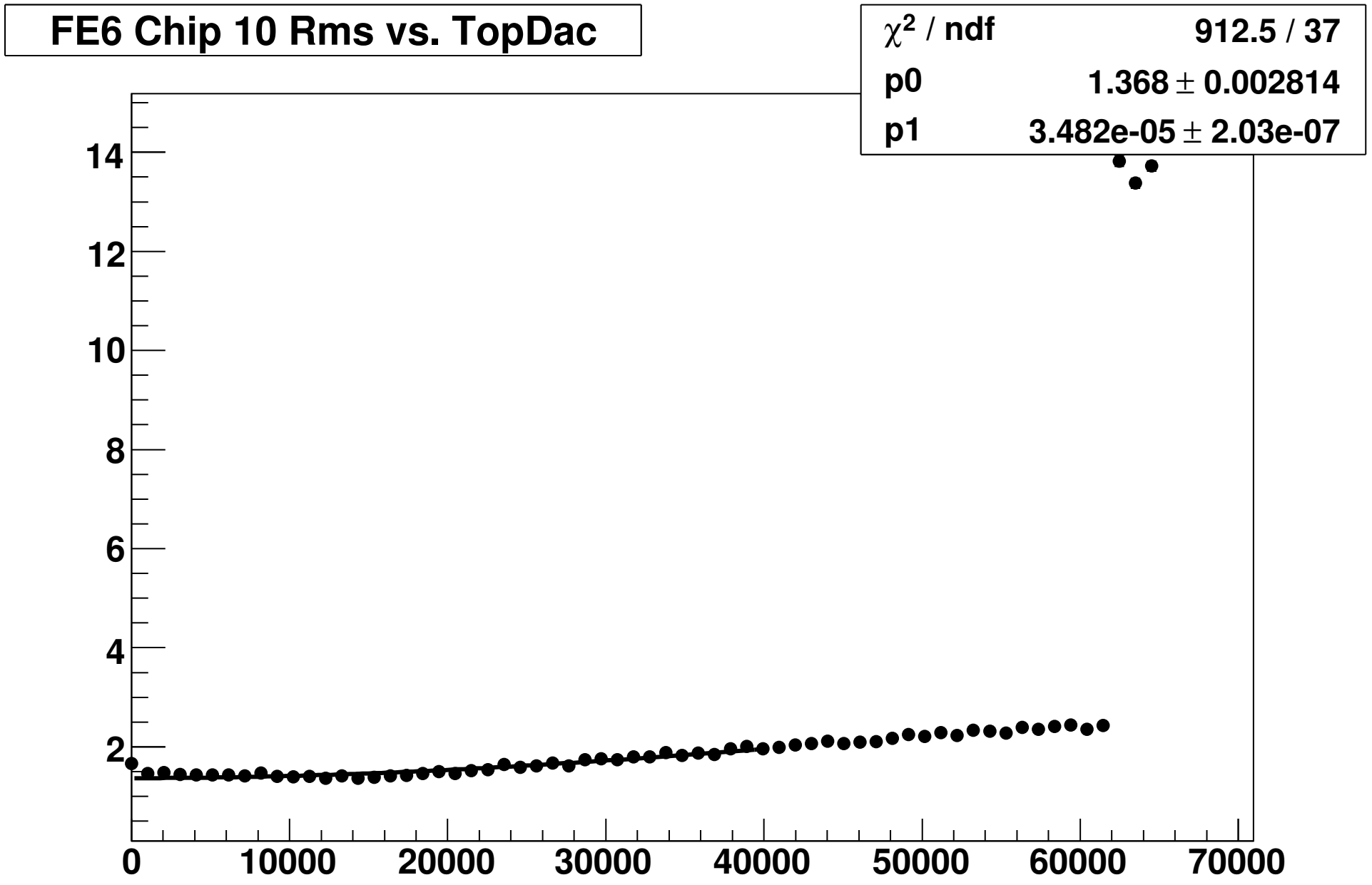
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 912.5 / 37
p0 1.368 ± 0.002814
p1 3.482e-05 ± 2.03e-07
14
12
10
8
6
4
2
0
10000
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30000
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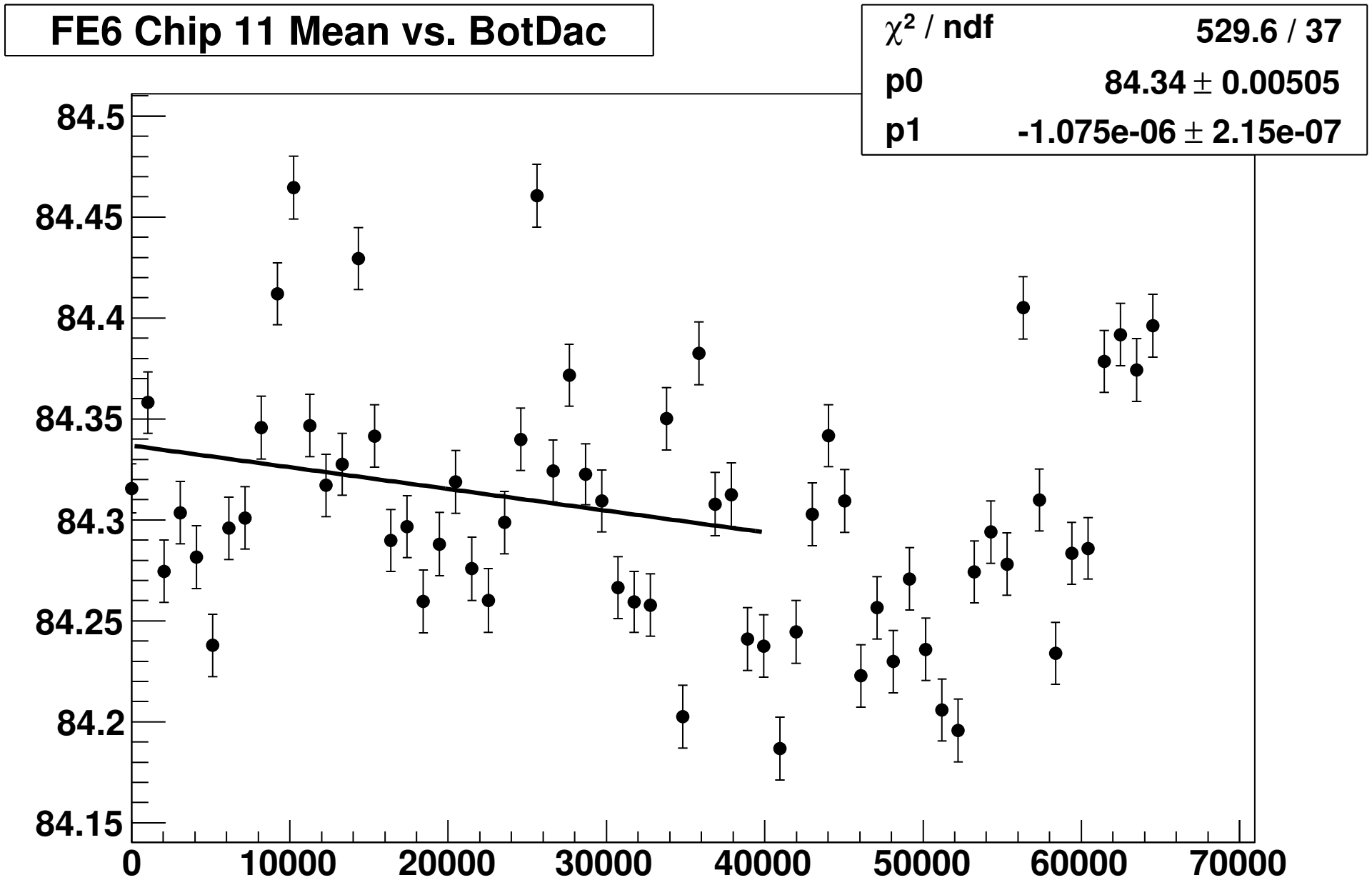
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 529.6 / 37
p0 84.34 ± 0.00505
p1 -1.075e-06 ± 2.15e-07
84.5
84.45
84.4
84.35
84.3
84.25
84.2
84.15
0
10000
20000
30000
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50000
60000
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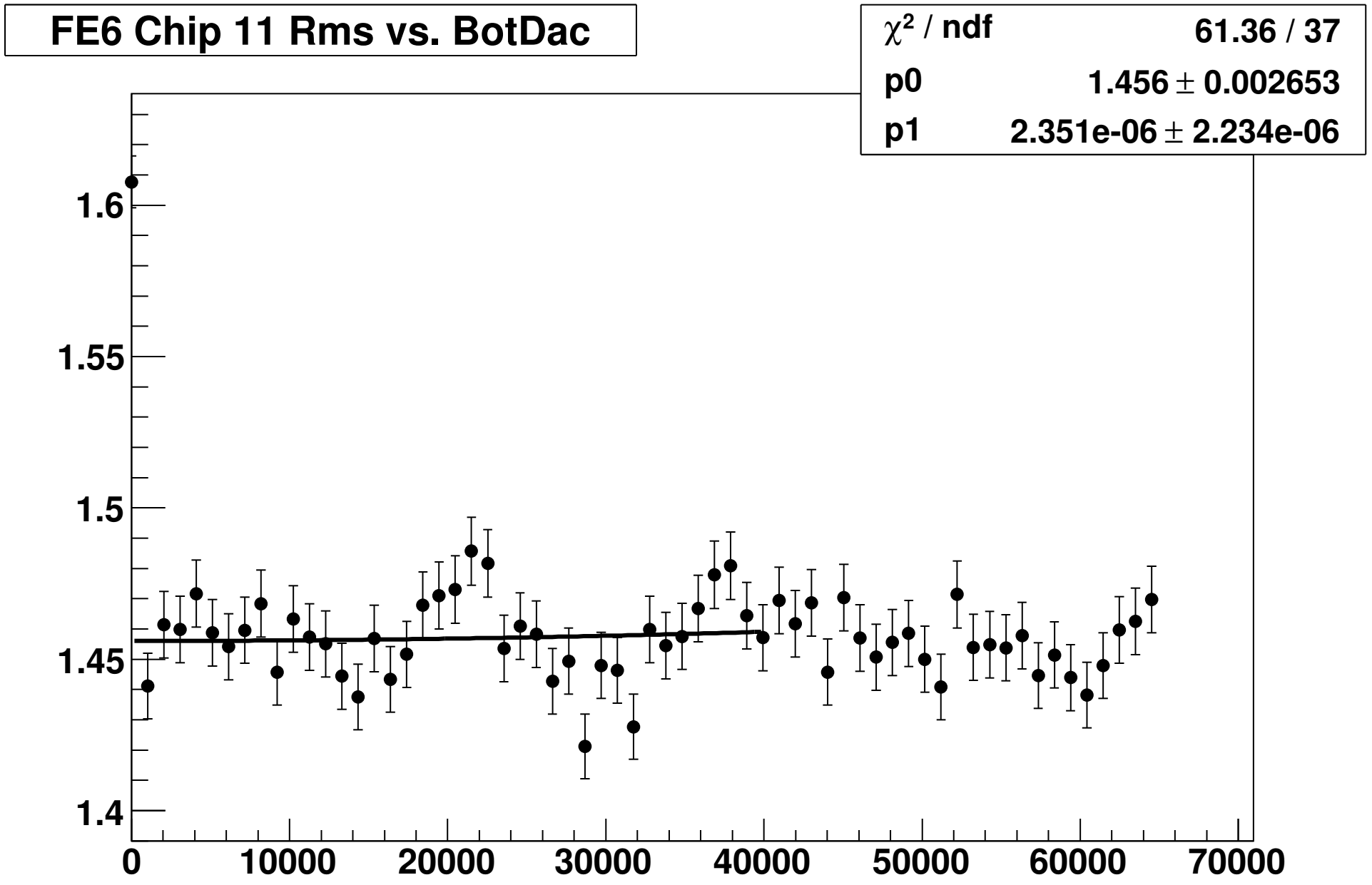
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 61.36 / 37
p0 1.456 ± 0.002653
p1 2.351e-06 ± 2.234e-06
1.6
1.55
1.5
1.45
1.4
0
10000
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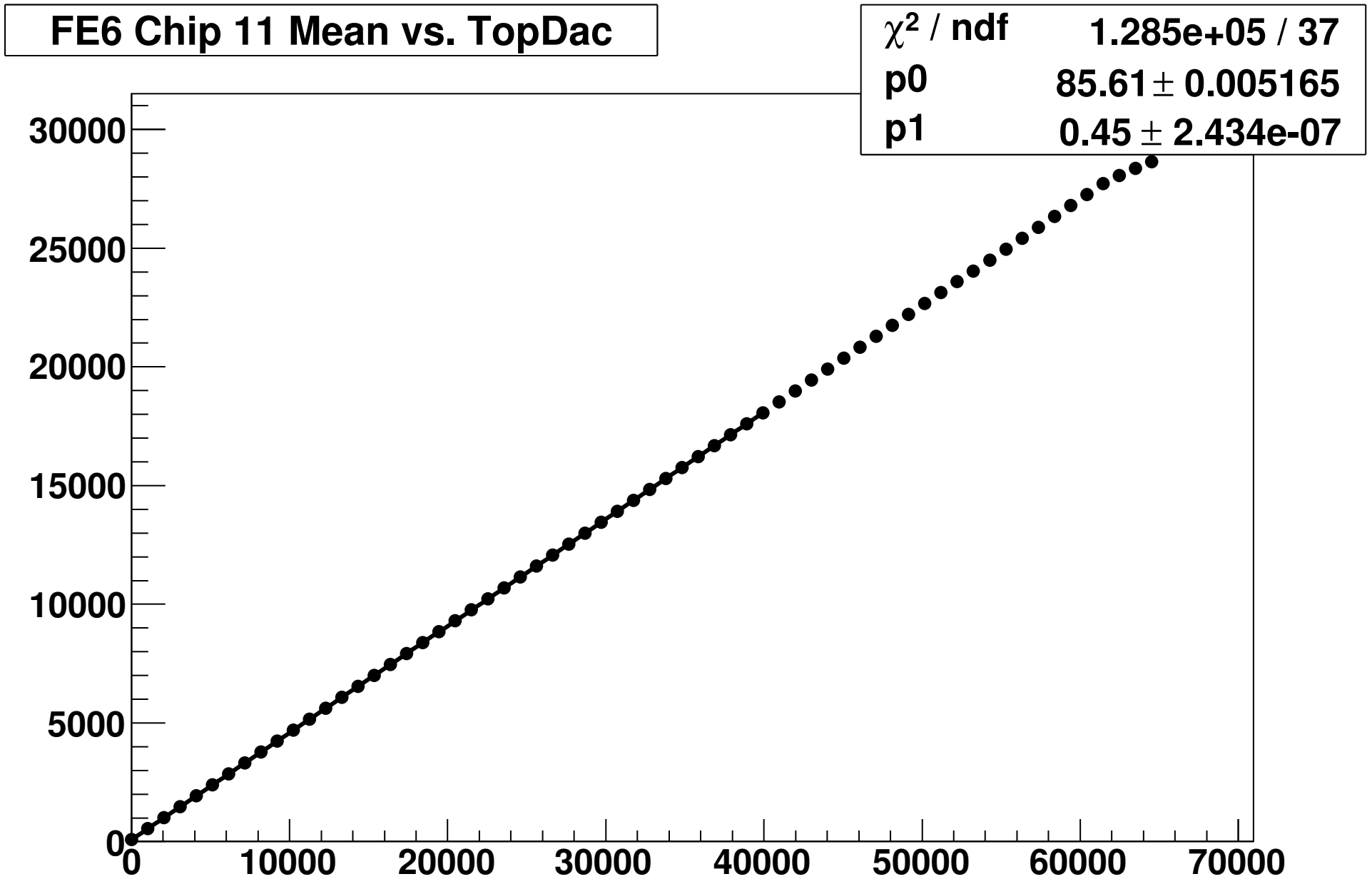
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.285e+05 / 37
p0 85.61 ± 0.005165
p1 0.45 ± 2.434e-07
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20000
15000
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5000
0
0
10000
20000
30000
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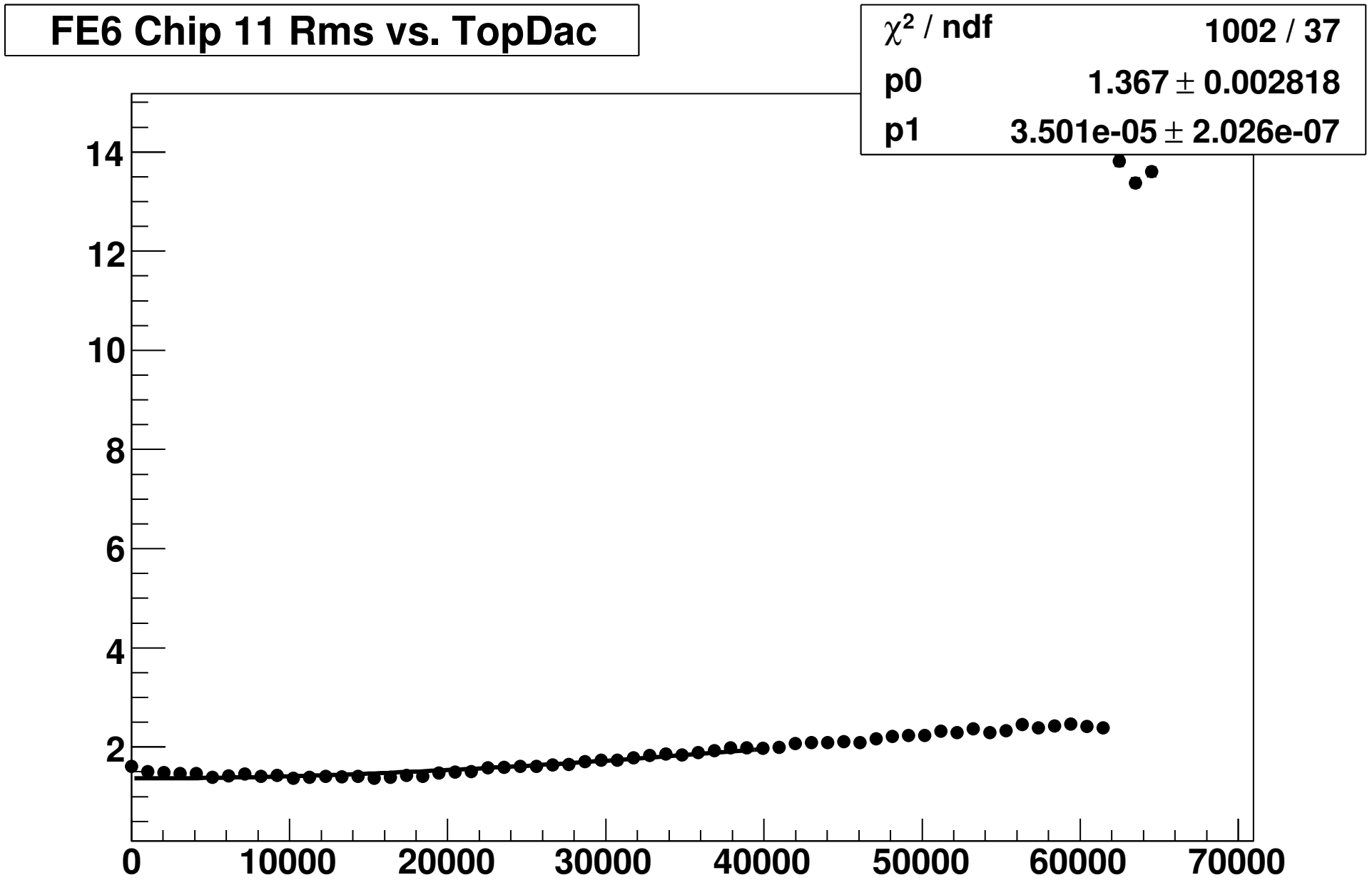
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1002 / 37
p0 1.367 ± 0.002818
p1 3.501e-05 ± 2.026e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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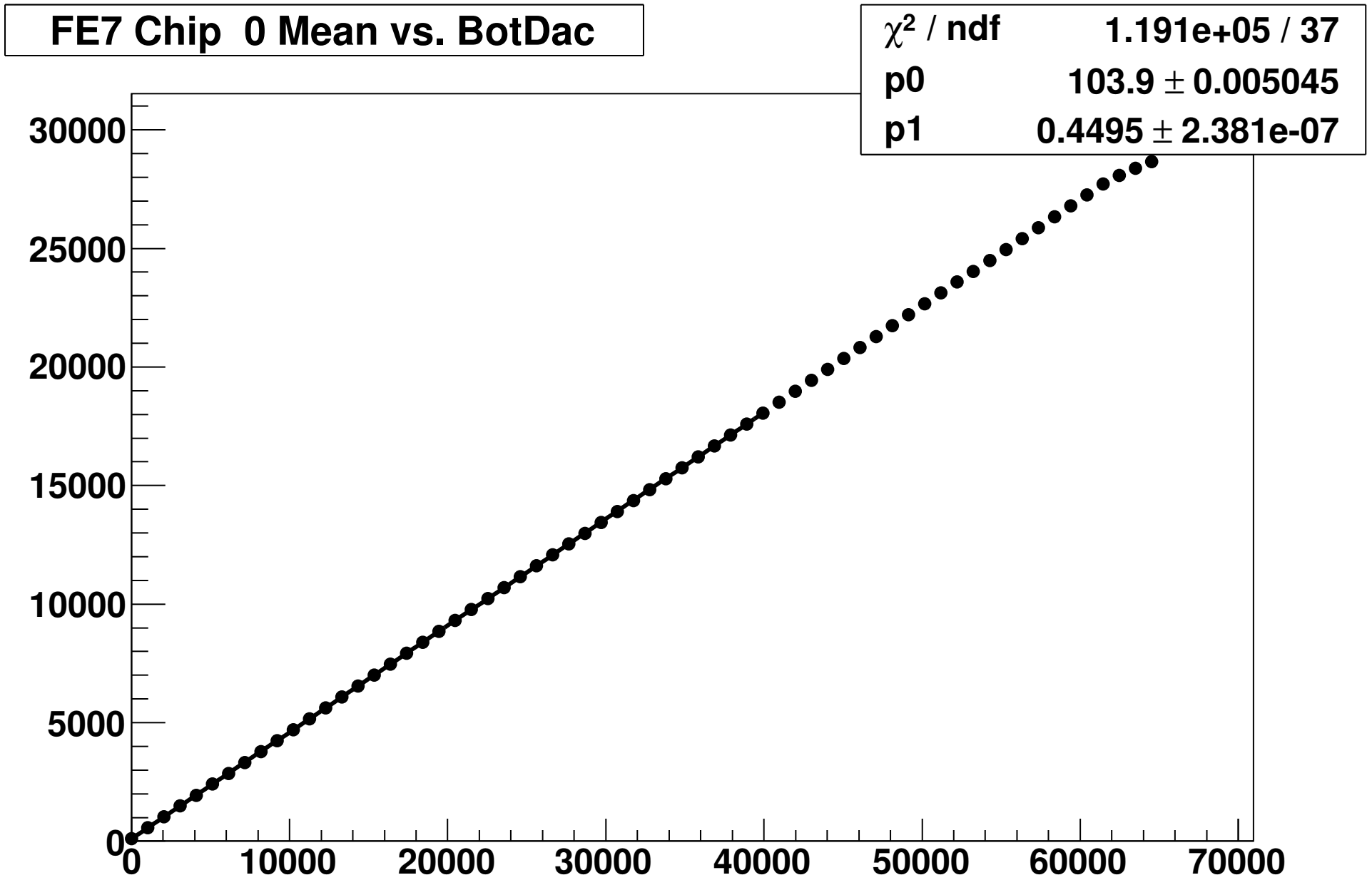
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.191e+05 / 37
p0 103.9 ± 0.005045
p1 0.4495 ± 2.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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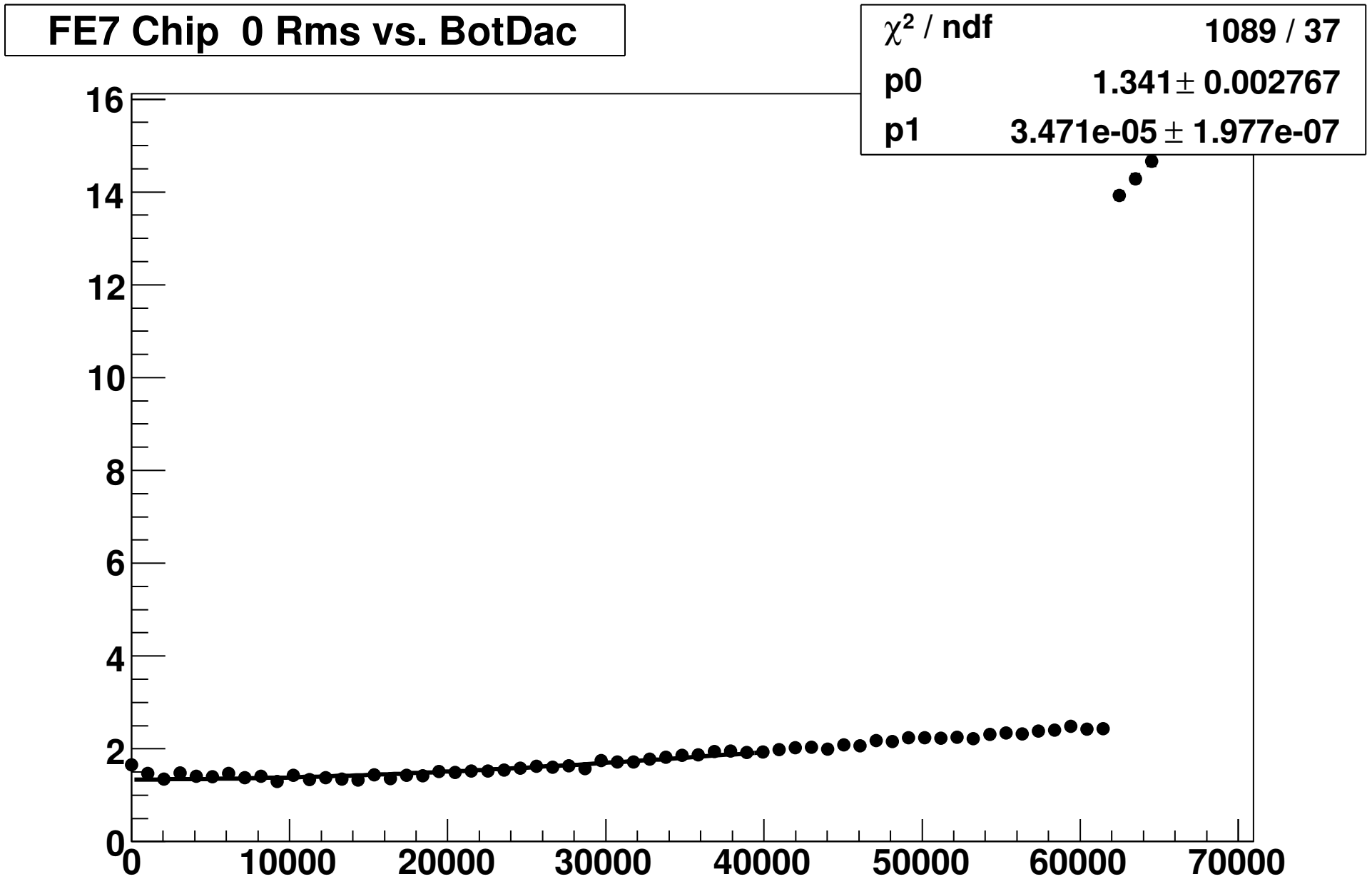
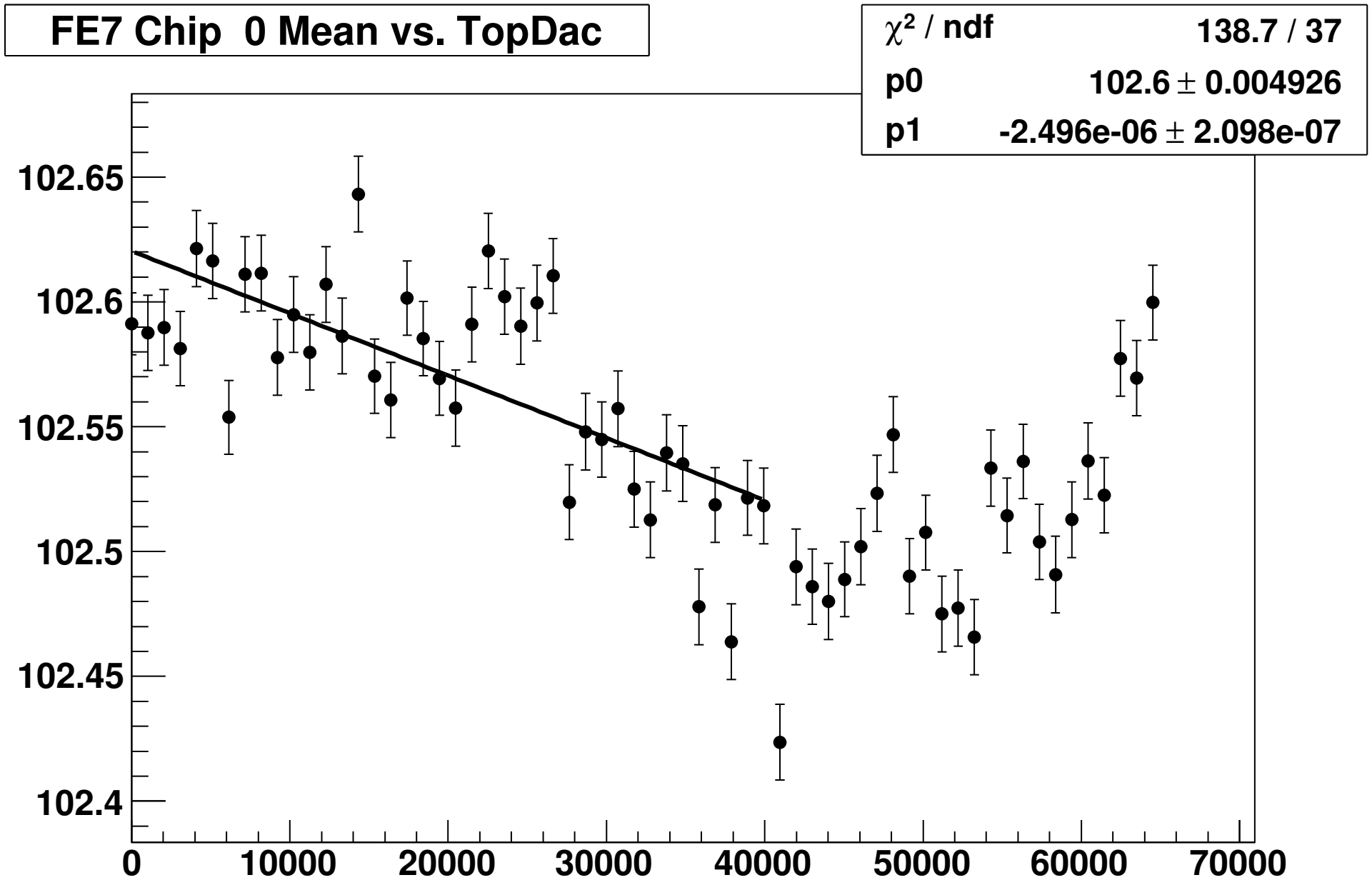
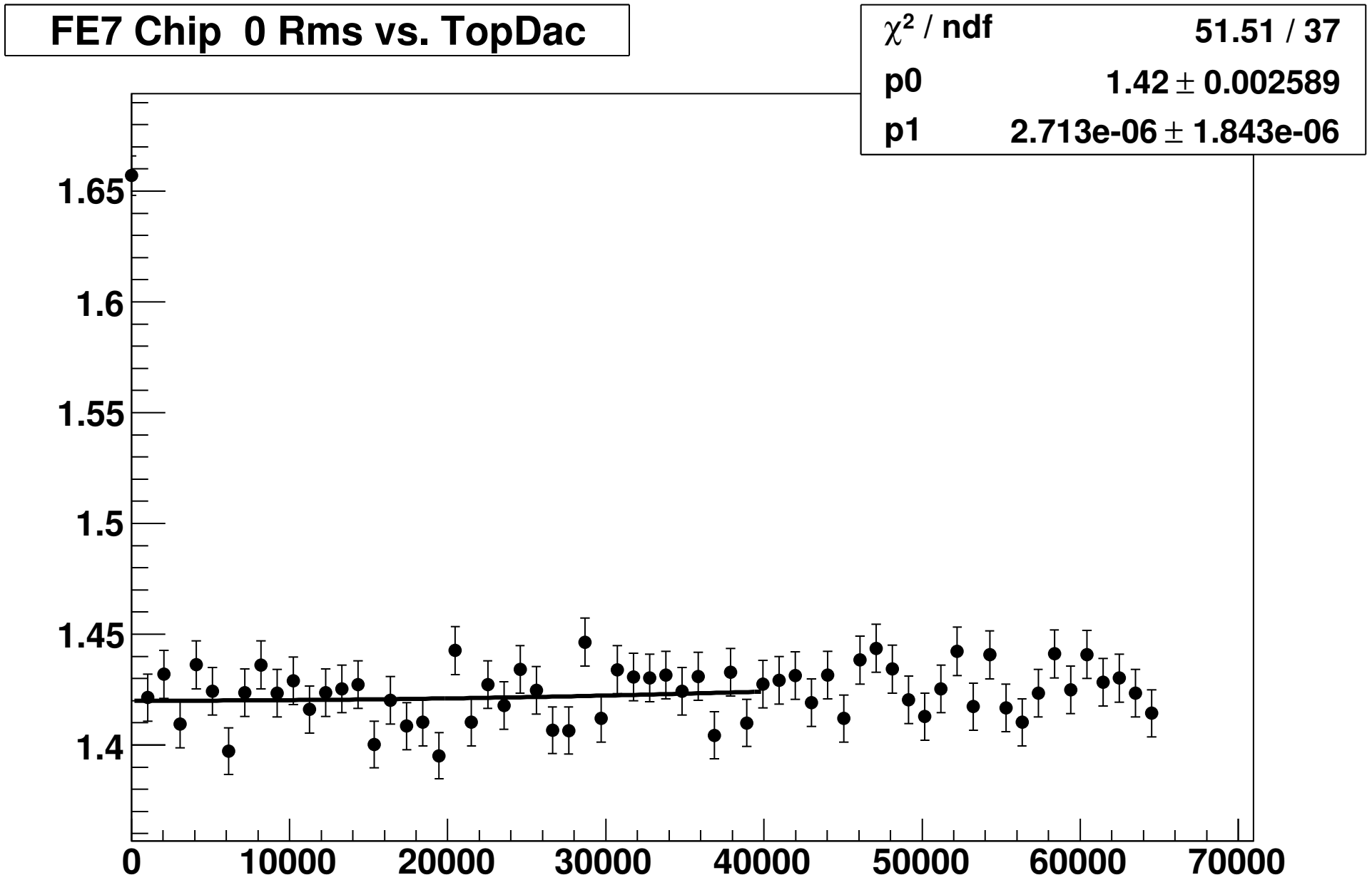

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1089 / 37
p0 1.341 ± 0.002767
p1 3.471e-05 ± 1.977e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 138.7 / 37
p0 102.6 ± 0.004926
p1 -2.496e-06 ± 2.098e-07
102.65
102.6
102.55
102.5
102.45
102.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 51.51 / 37
p0 1.42 ± 0.002589
p1 2.713e-06 ± 1.843e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
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50000
60000
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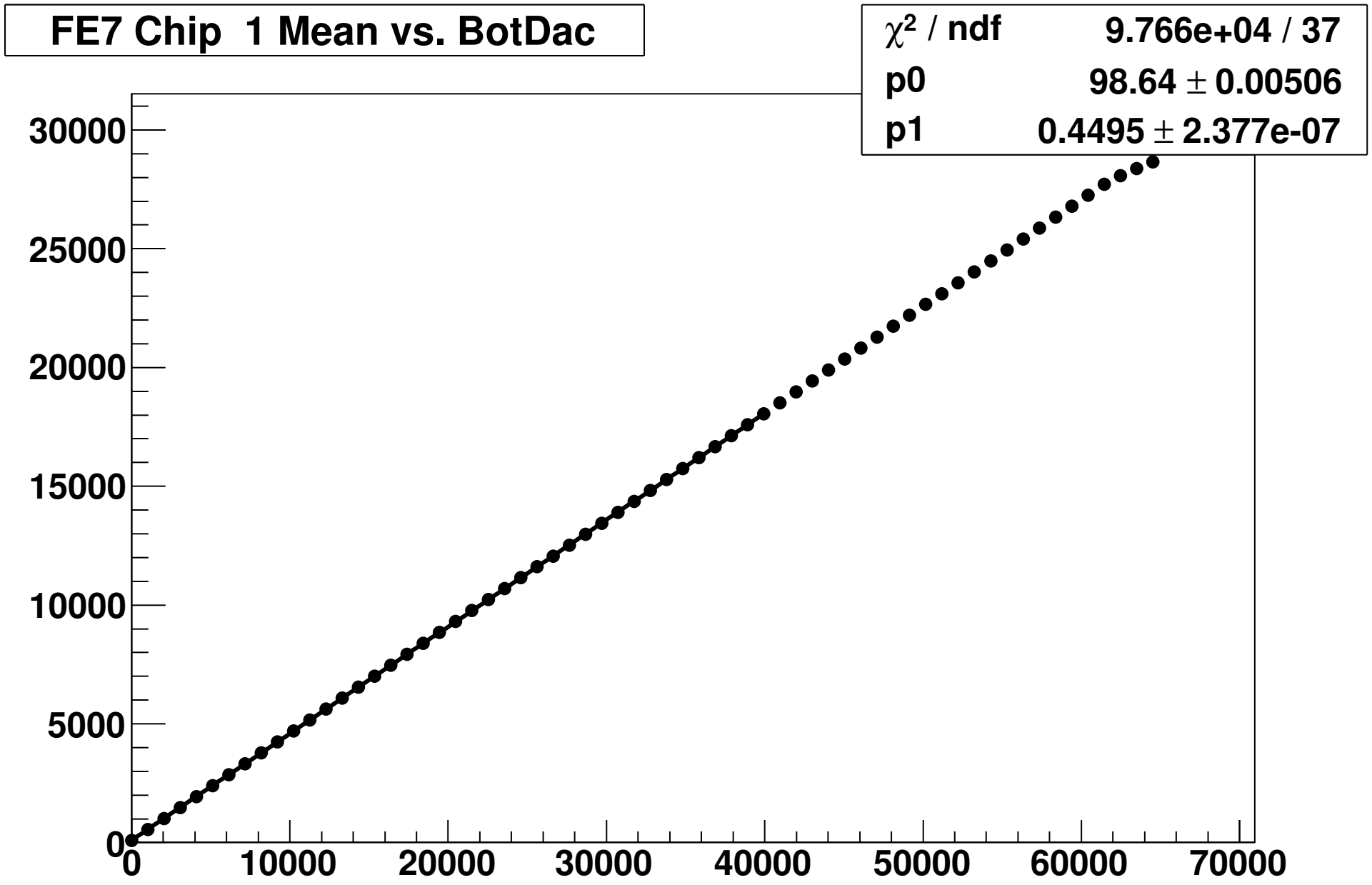
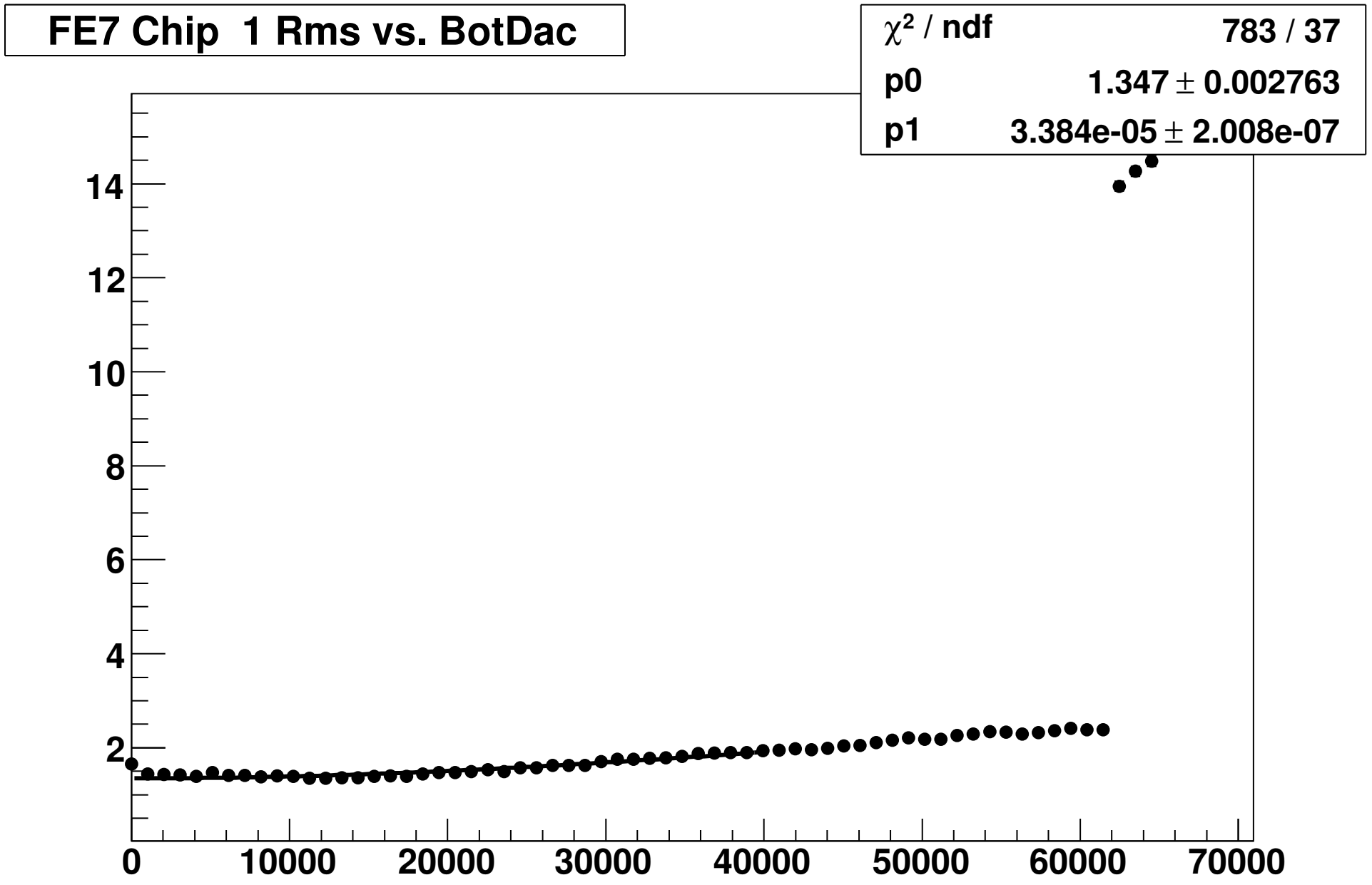

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 9.766e+04 / 37
p0 98.64 ± 0.00506
p1 0.4495 ± 2.377e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 783 / 37
p0 1.347 ± 0.002763
p1 3.384e-05 ± 2.008e-07
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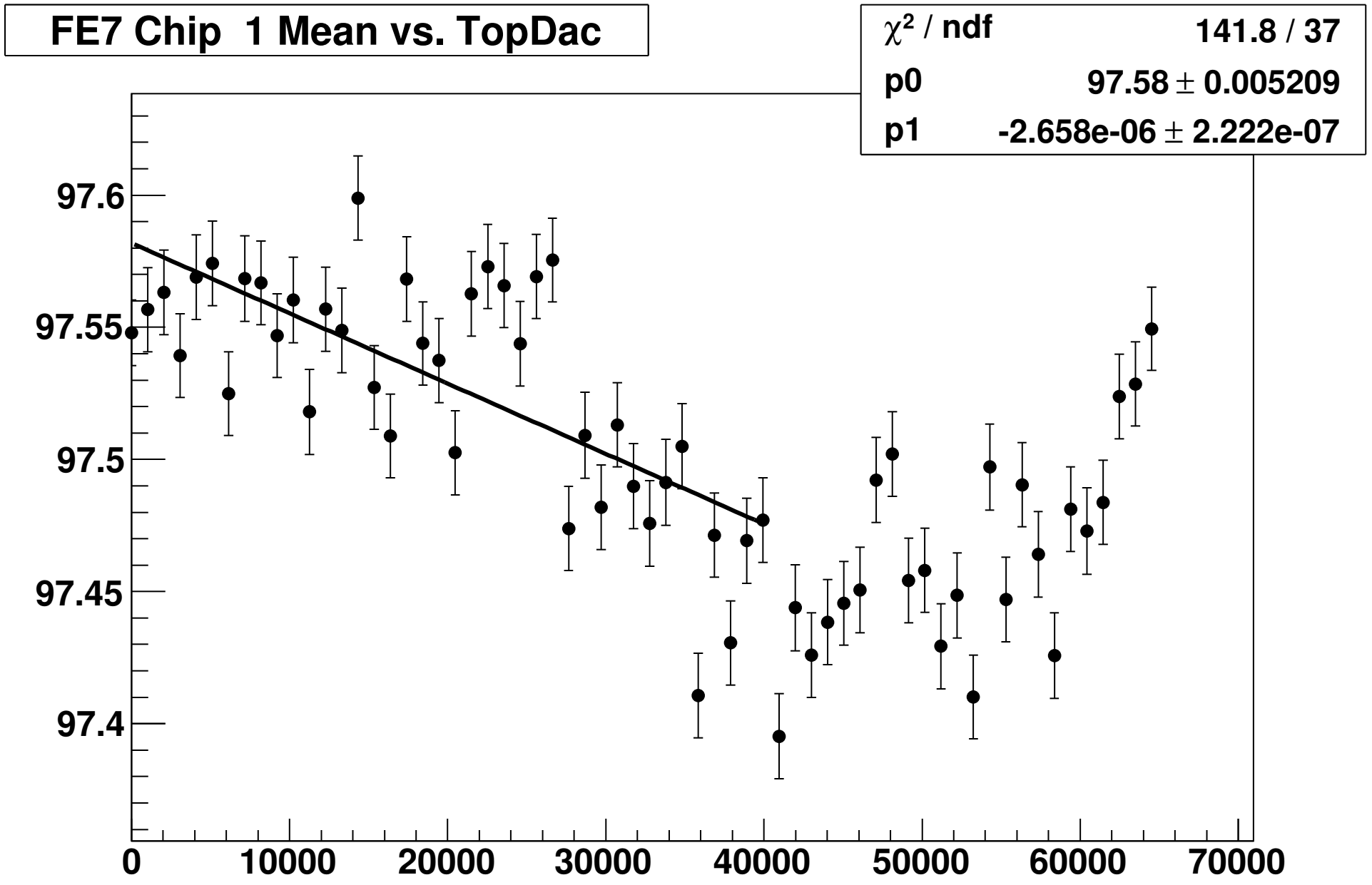
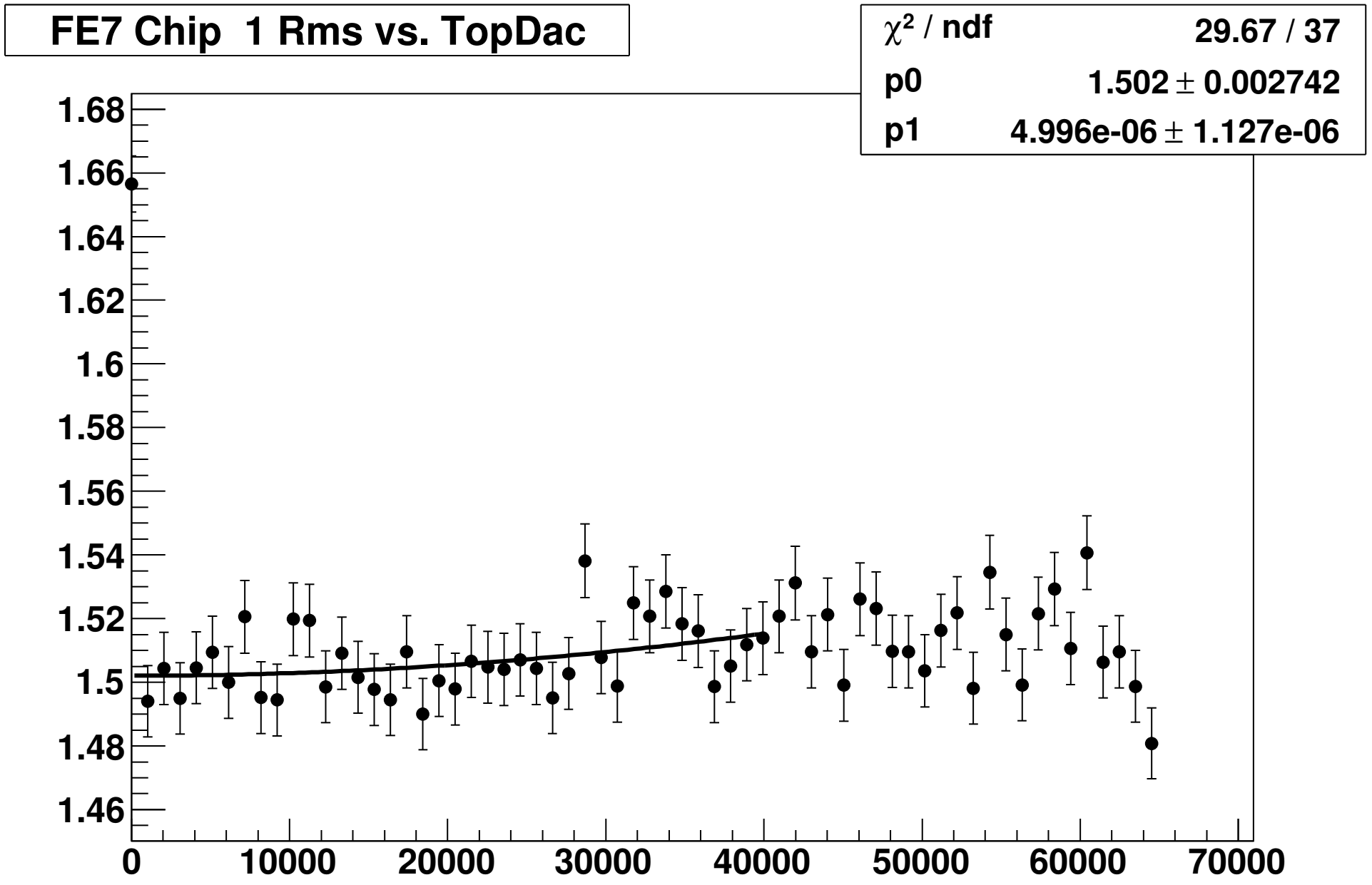
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 141.8 / 37
p0 97.58 ± 0.005209
p1 -2.658e-06 ± 2.222e-07
97.6
97.55
97.5
97.45
97.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 29.67 / 37
p0 1.502 ± 0.002742
p1 4.996e-06 ± 1.127e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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60000
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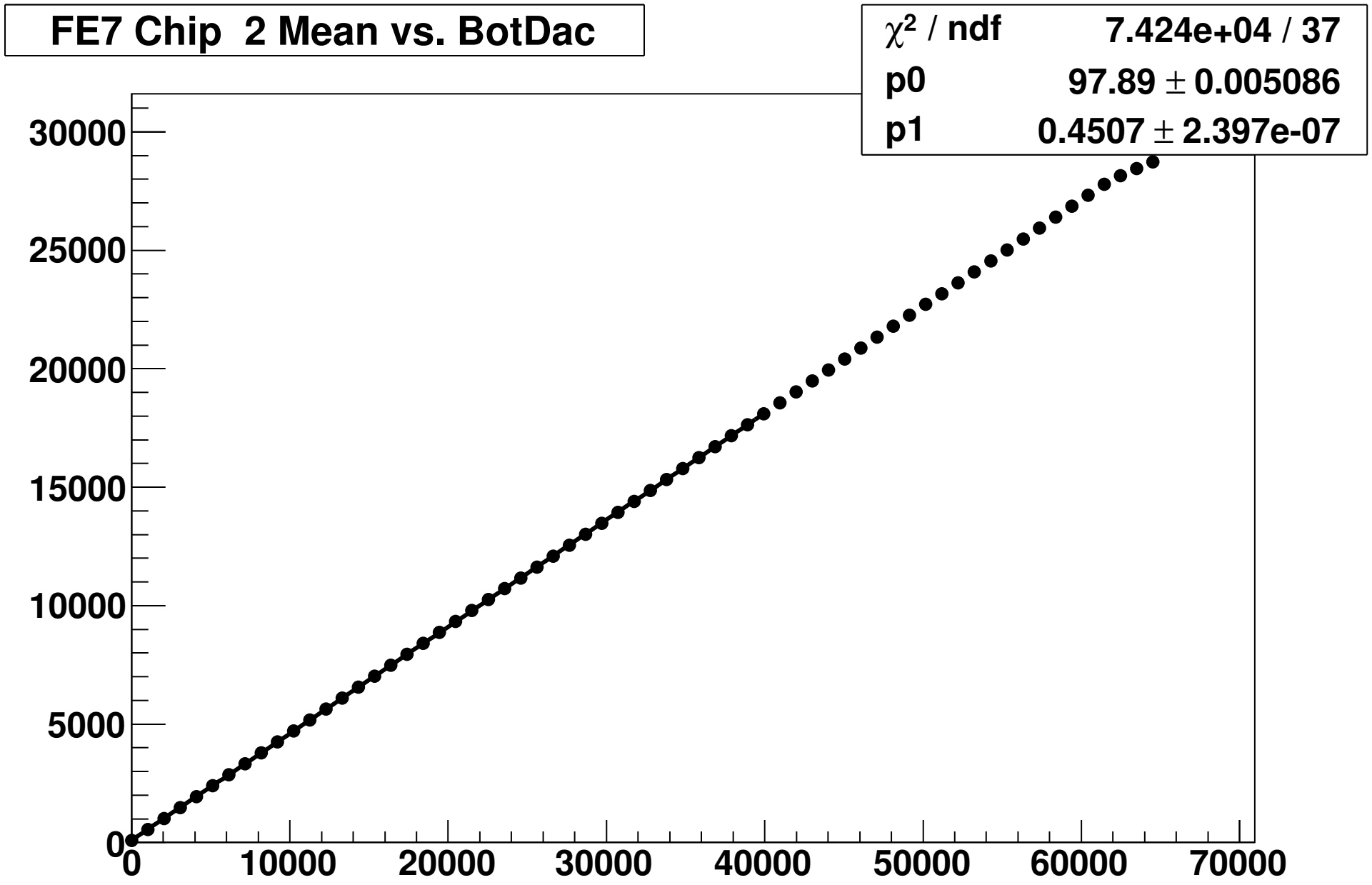
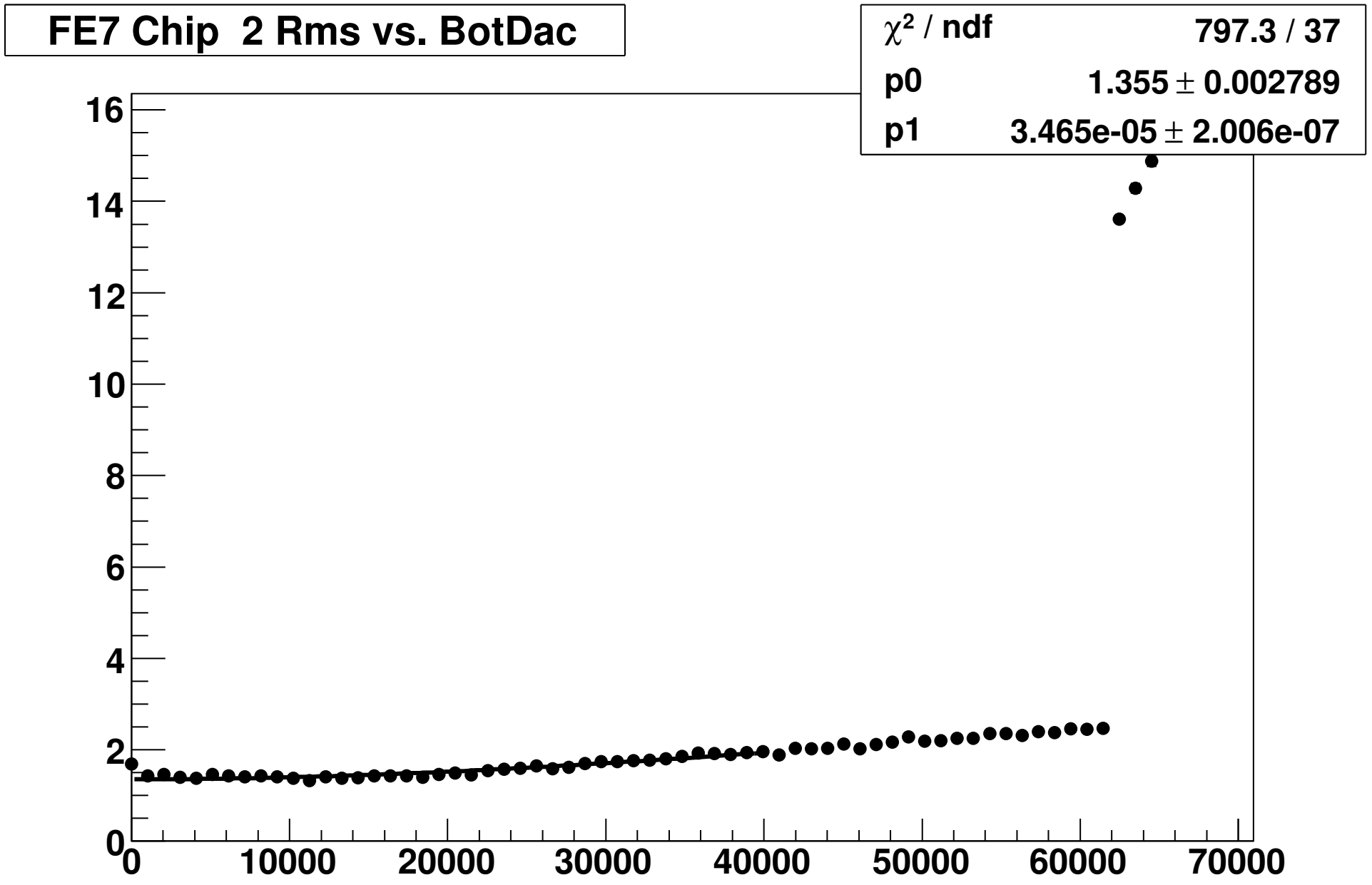
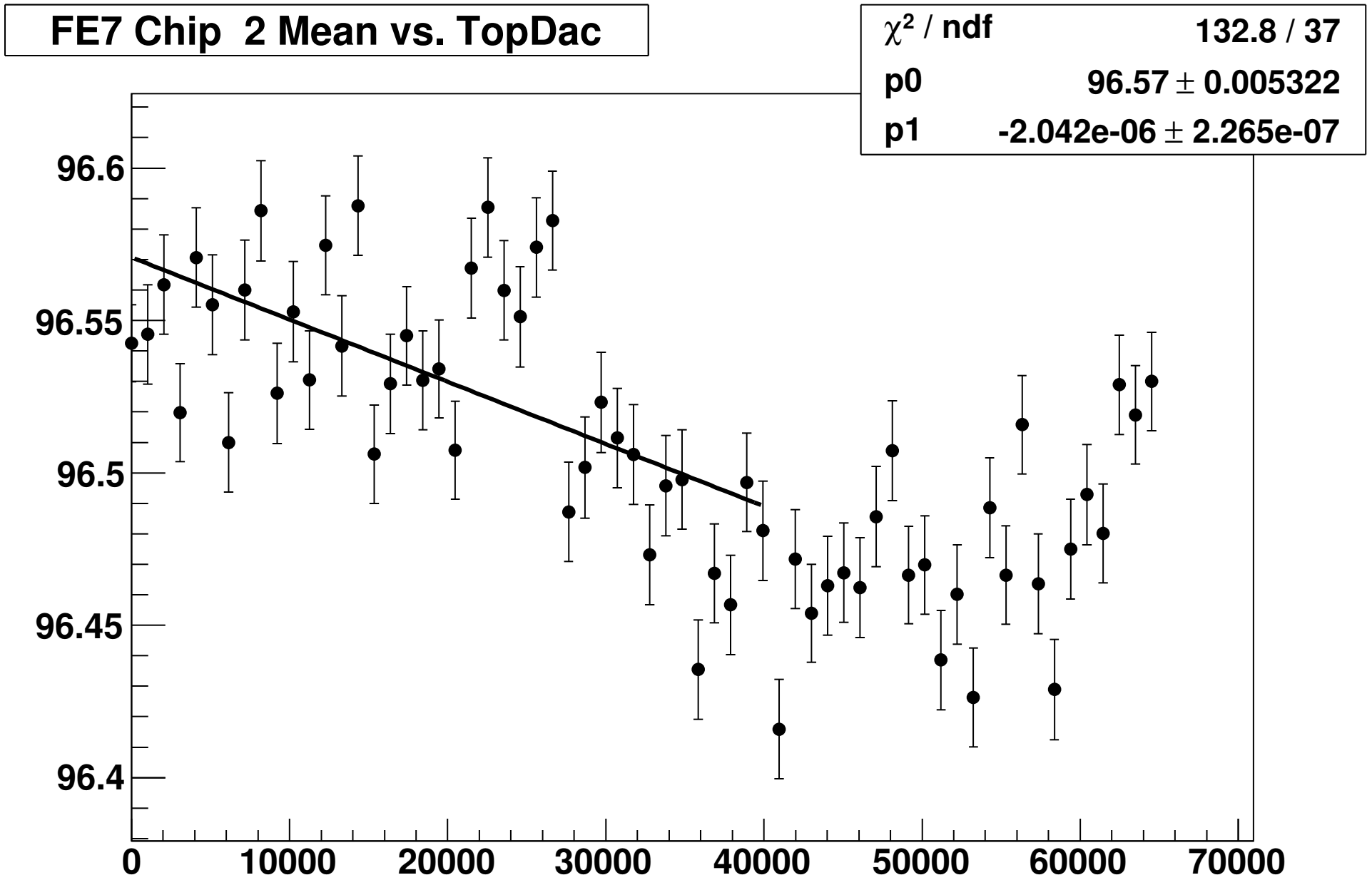
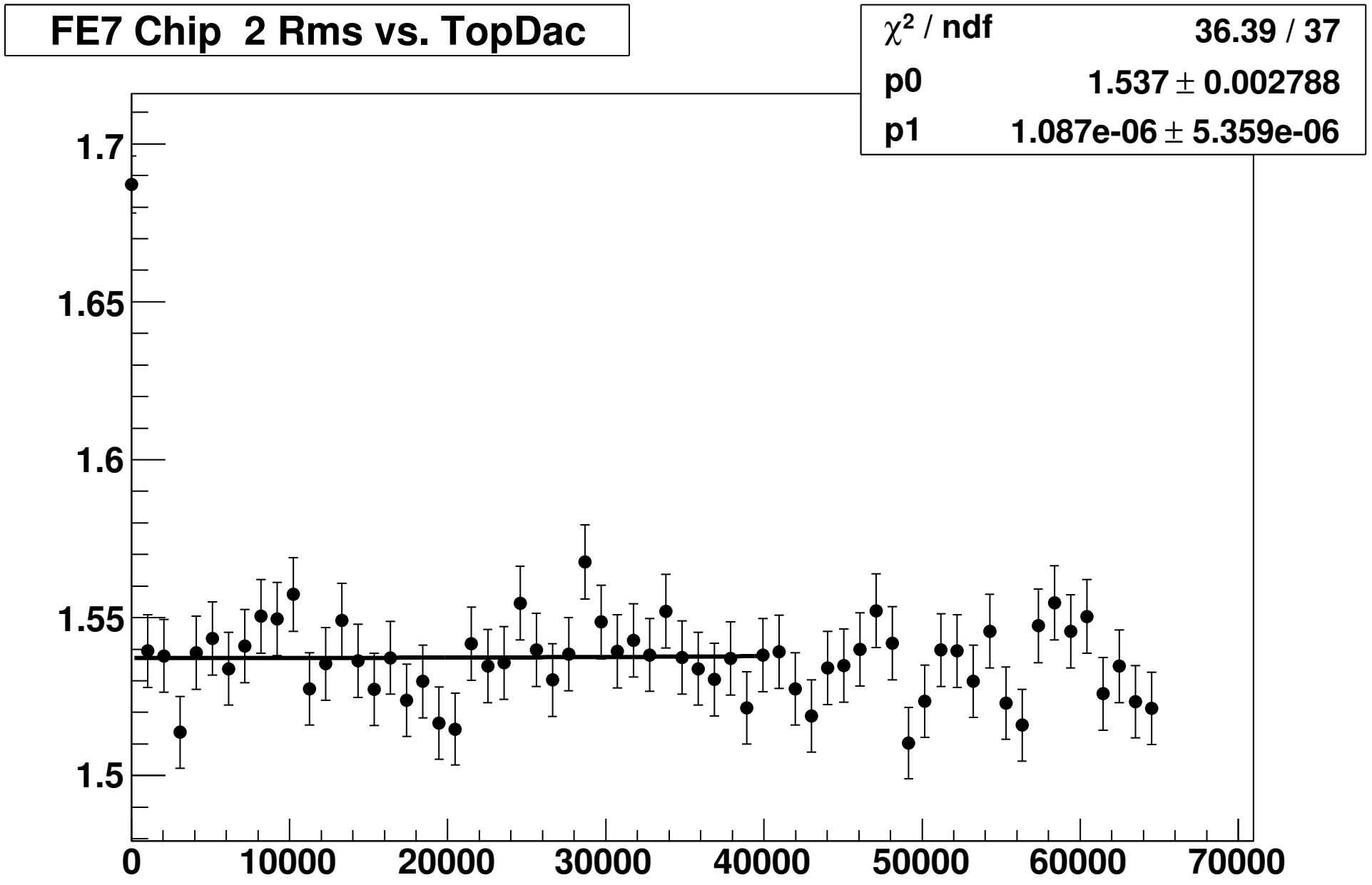

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 7.424e+04 / 37
p0 97.89 ± 0.005086
p1 0.4507 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 797.3 / 37
p0 1.355 ± 0.002789
p1 3.465e-05 ± 2.006e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 132.8 / 37
p0 96.57 ± 0.005322
p1 -2.042e-06 ± 2.265e-07
96.6
96.55
96.5
96.45
96.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 36.39 / 37
p0 1.537 ± 0.002788
p1 1.087e-06 ± 5.359e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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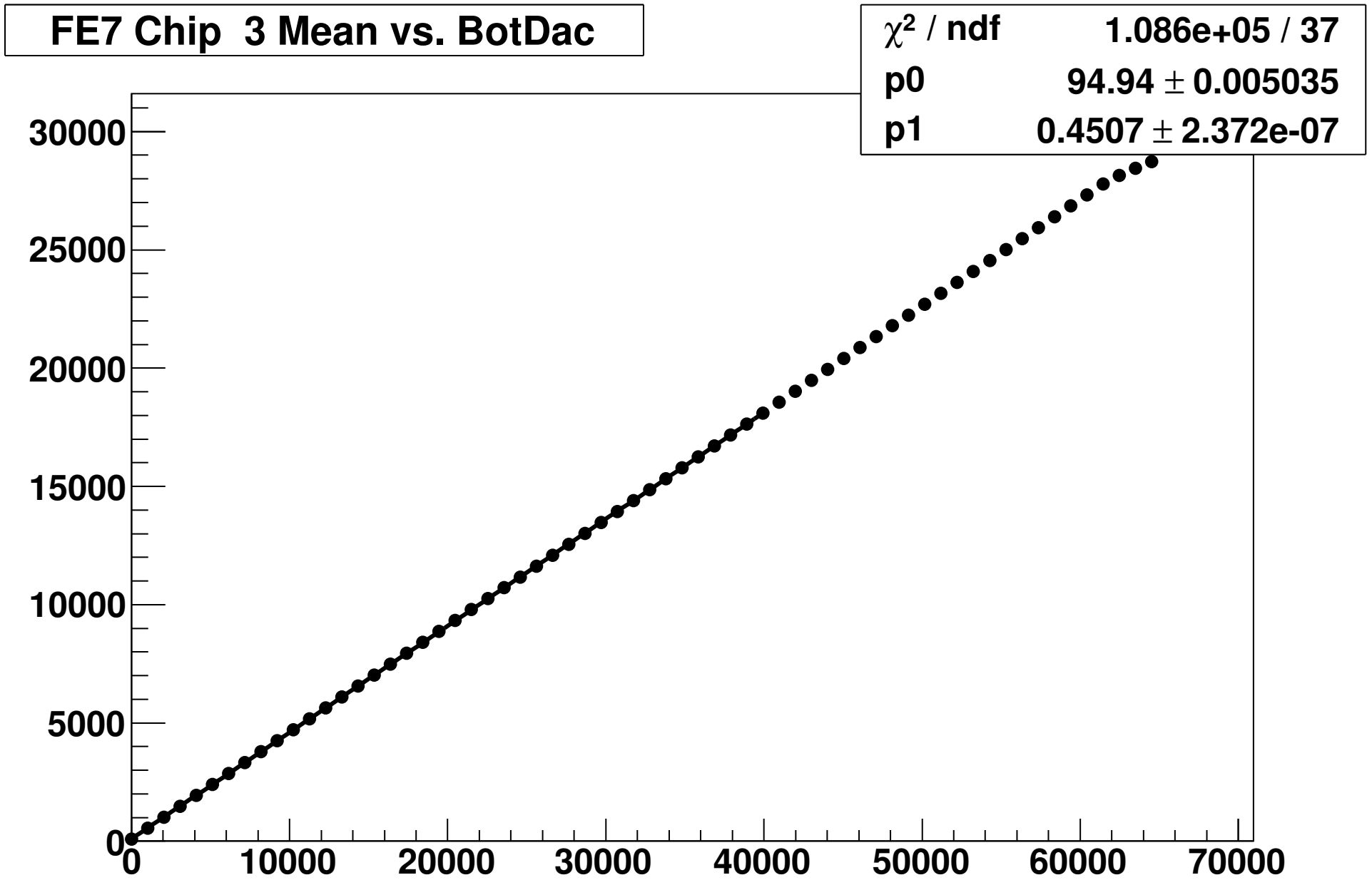
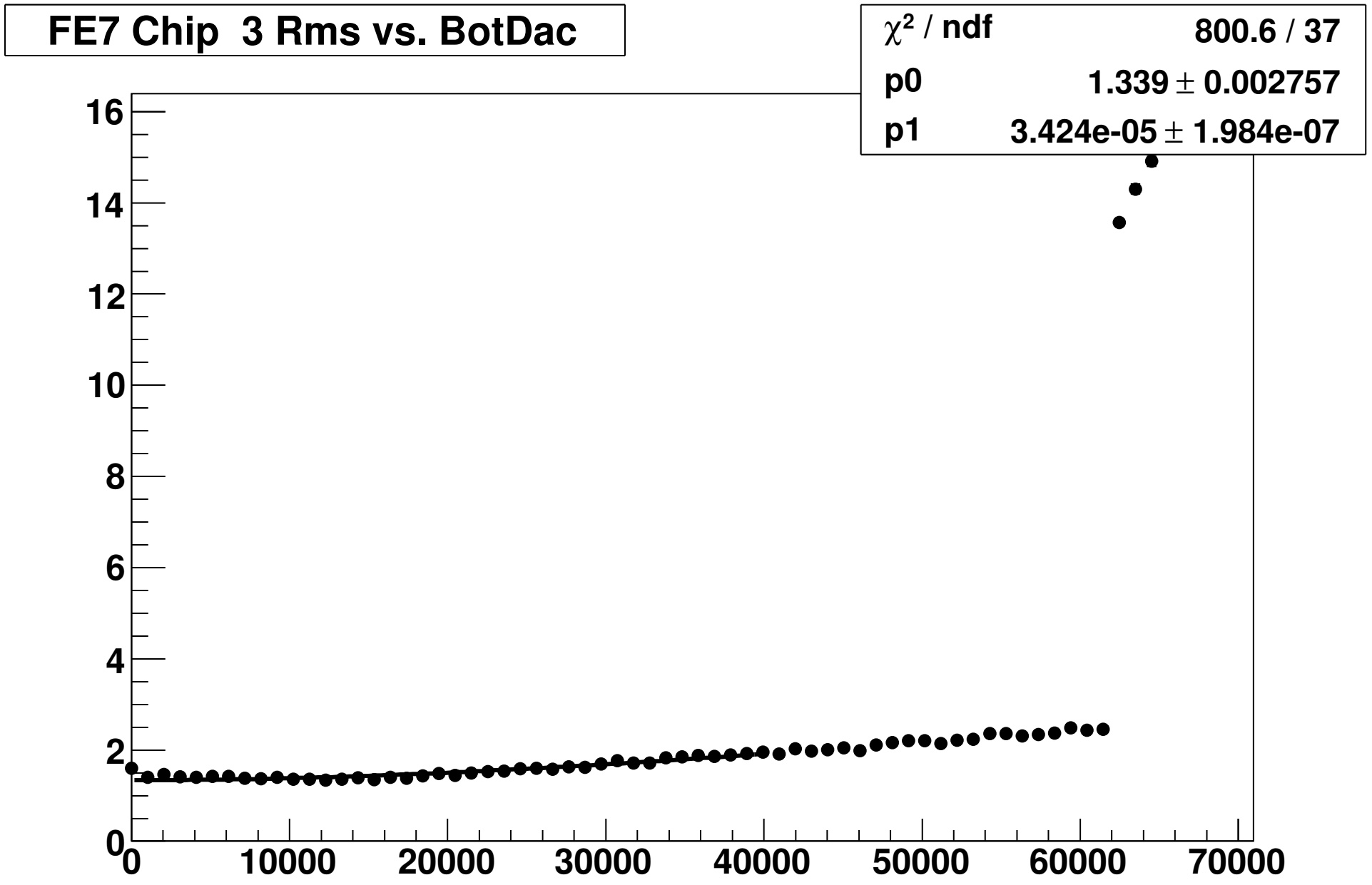
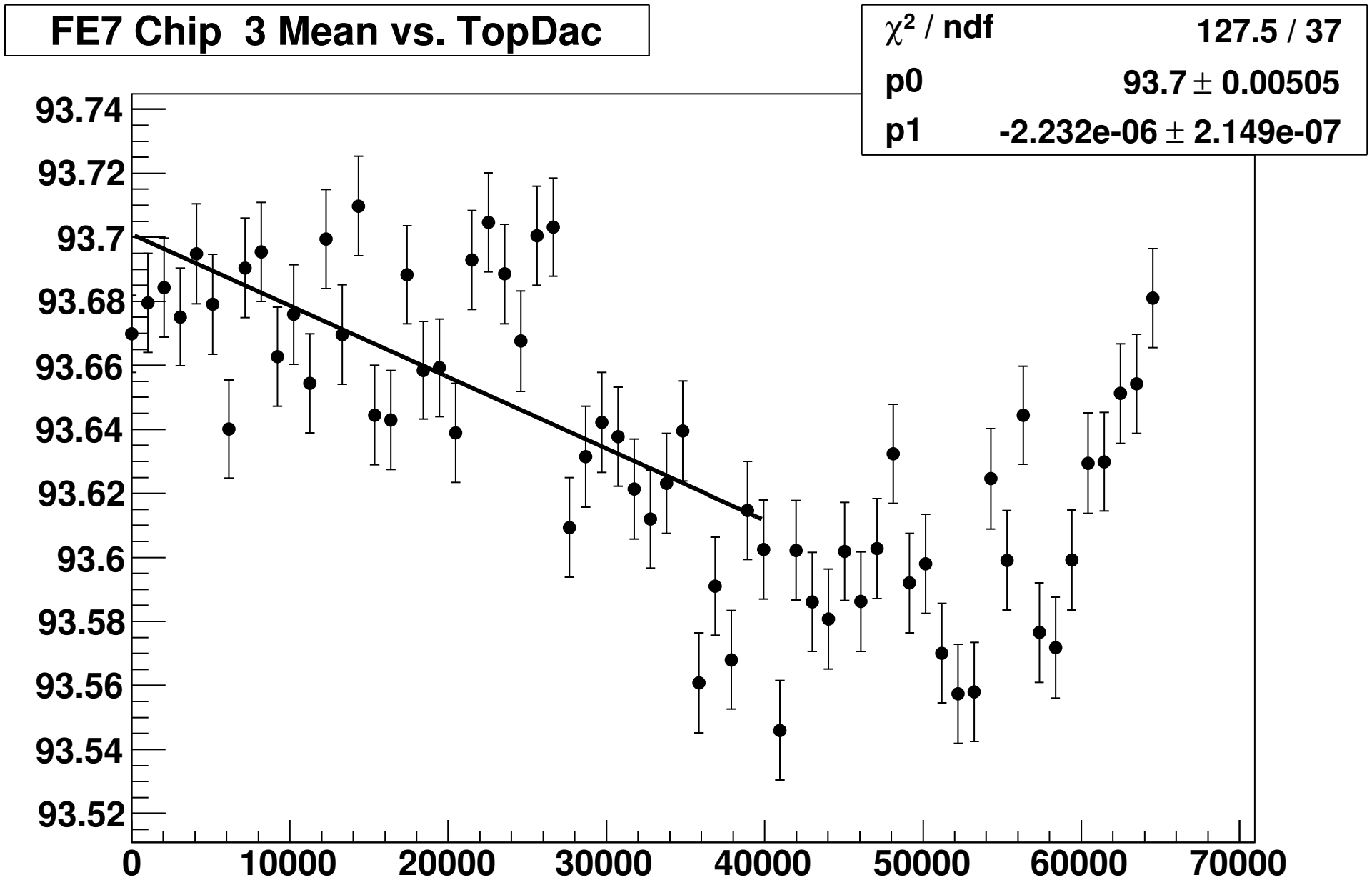
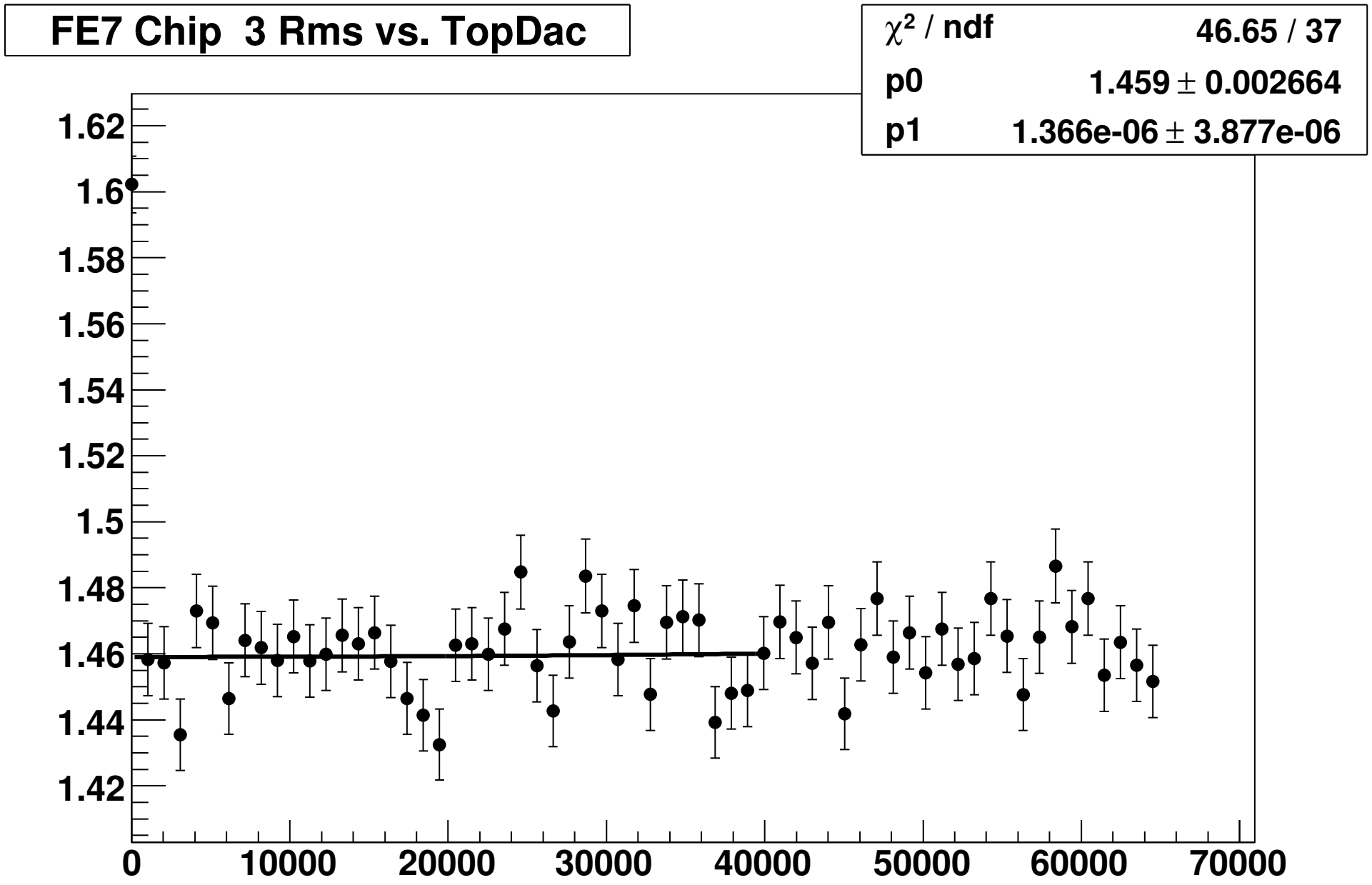
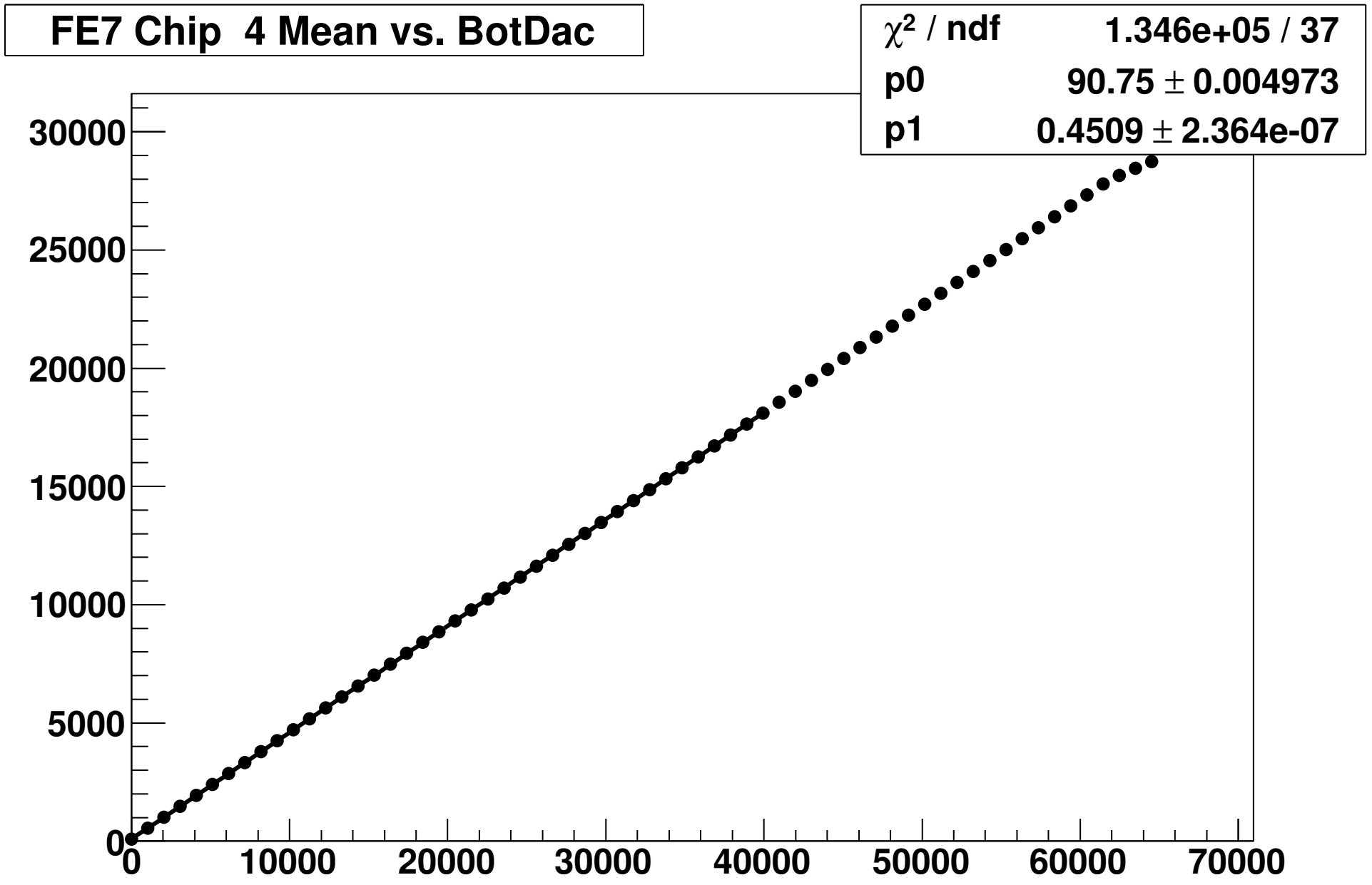
50000
60000
70000

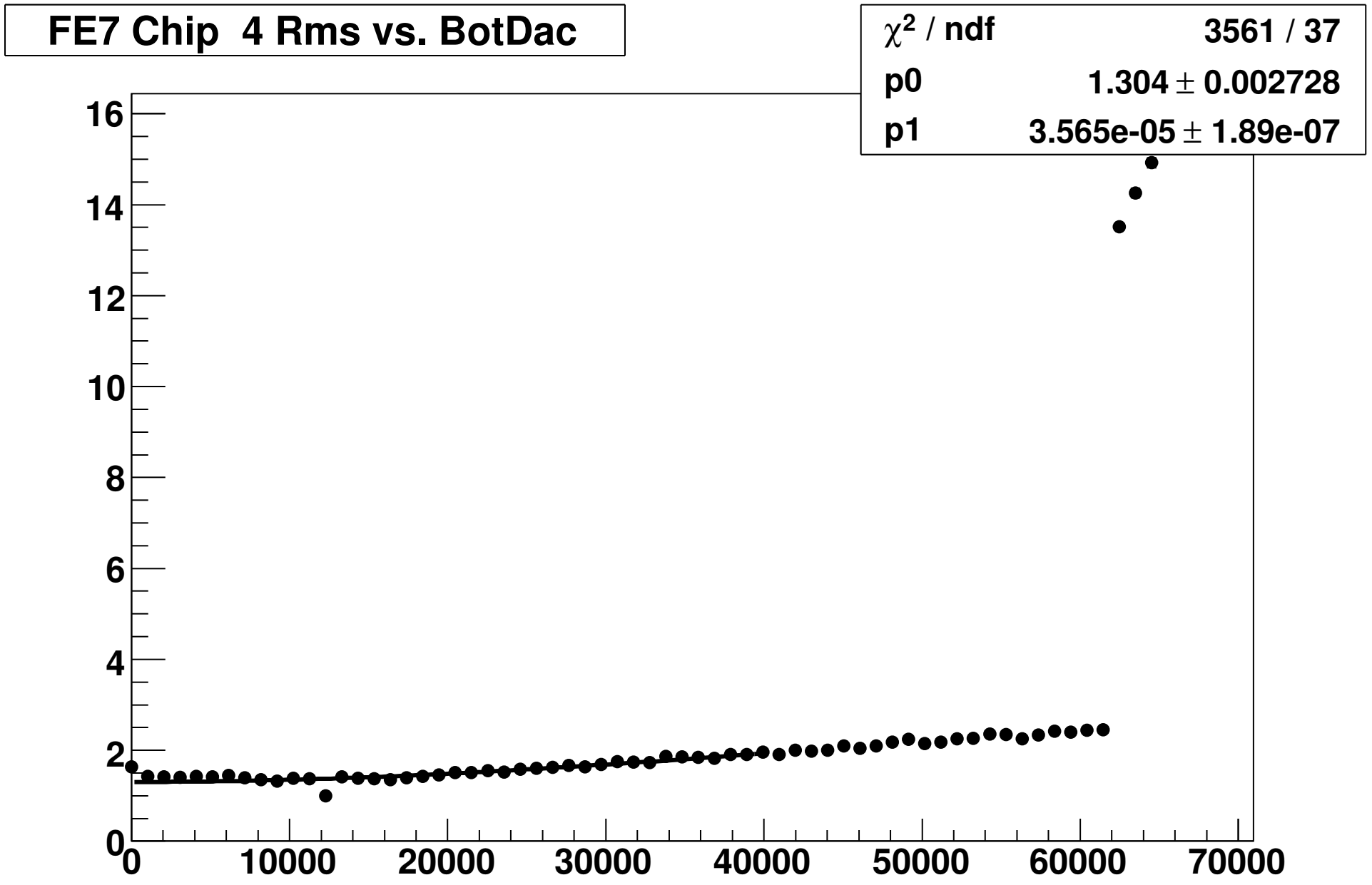

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.086e+05 / 37
p0 94.94 ± 0.005035
p1 0.4507 ± 2.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

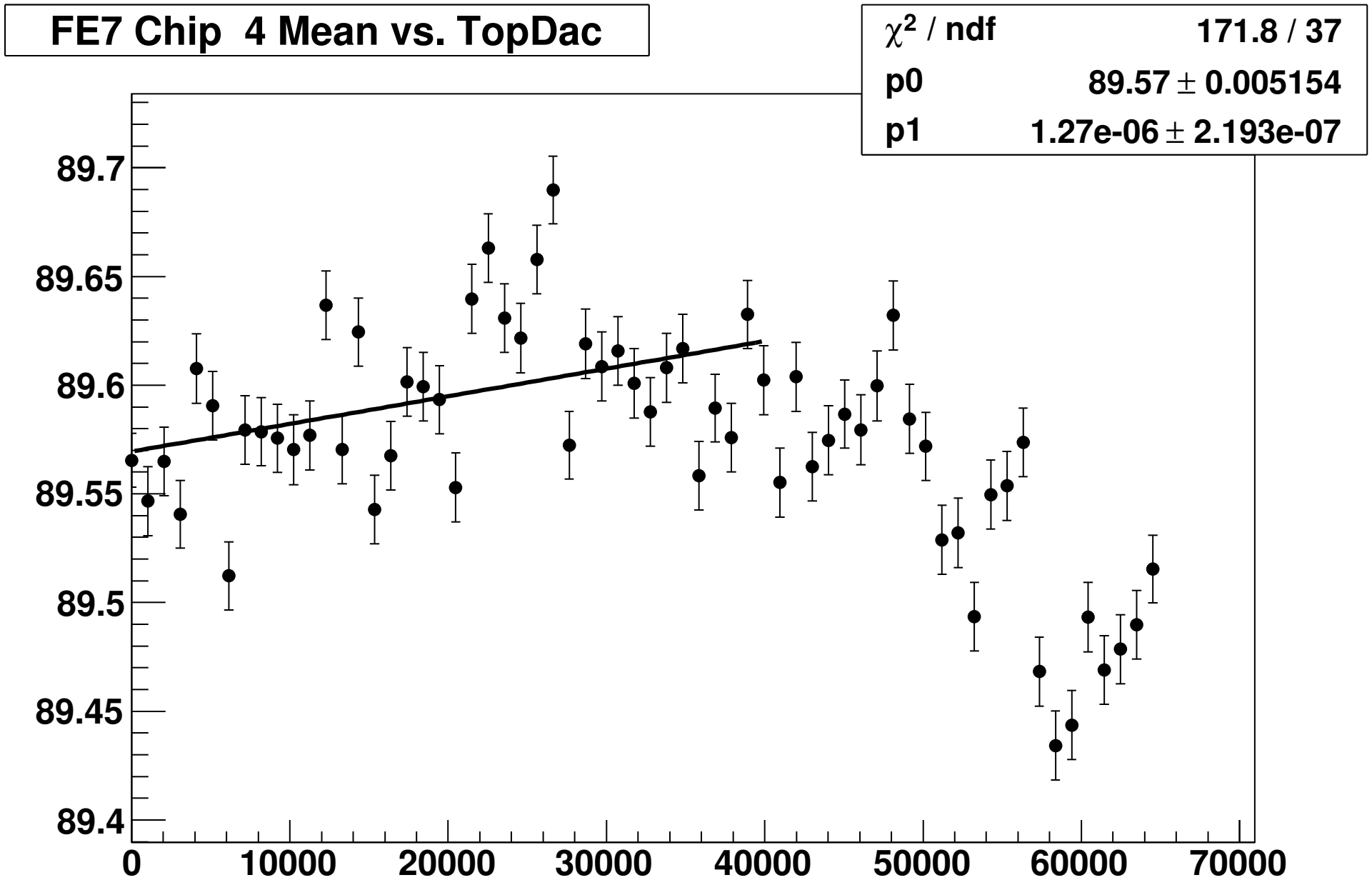

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 800.6 / 37
p0 1.339 ± 0.002757
p1 3.424e-05 ± 1.984e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

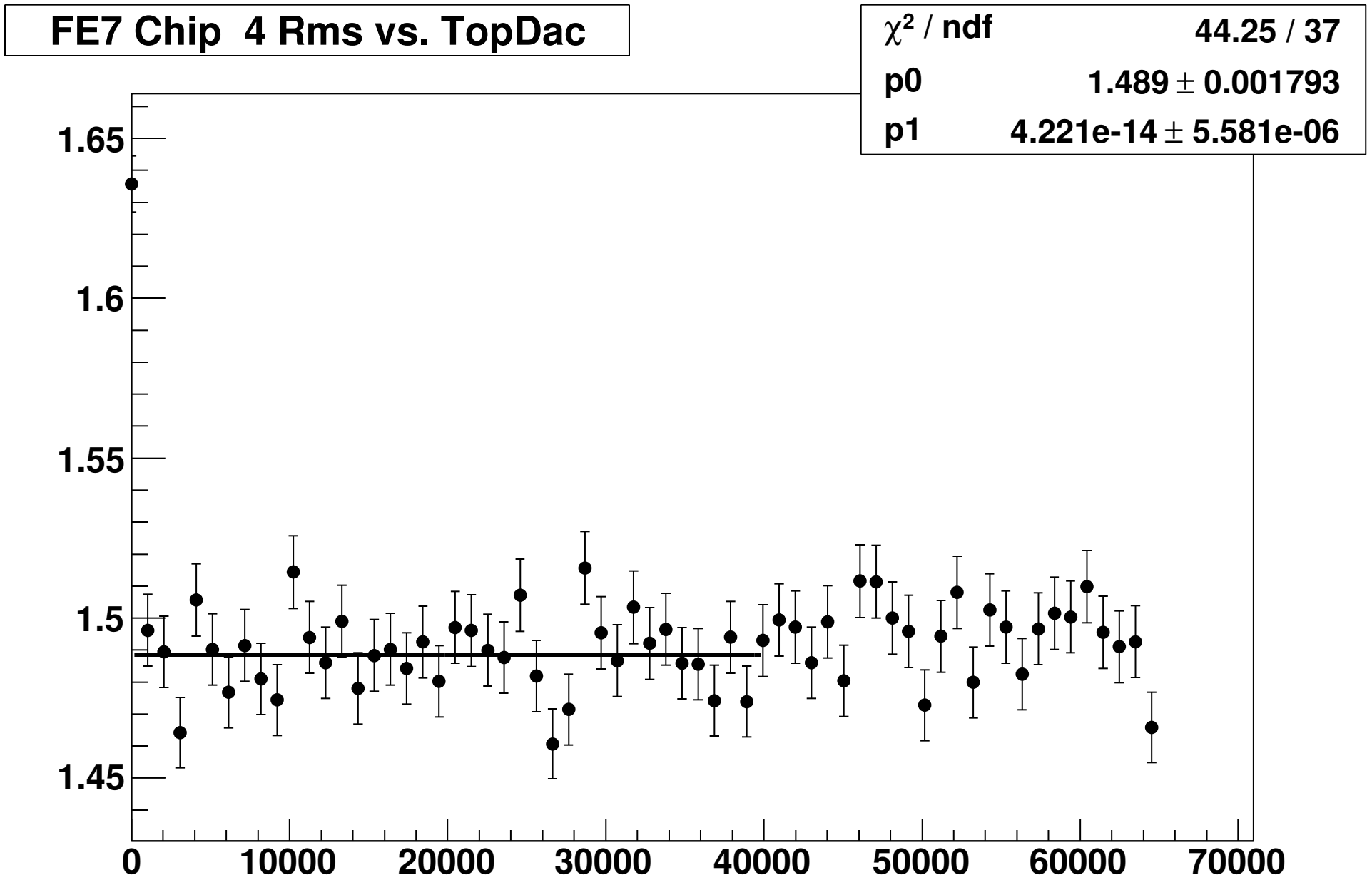

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 127.5 / 37
p0 93.7 ± 0.00505
p1 -2.232e-06 ± 2.149e-07
93.74
93.72
93.7
93.68
93.66
93.64
93.62
93.6
93.58
93.56
93.54
93.52
0
10000
20000
30000
40000
50000
60000
70000

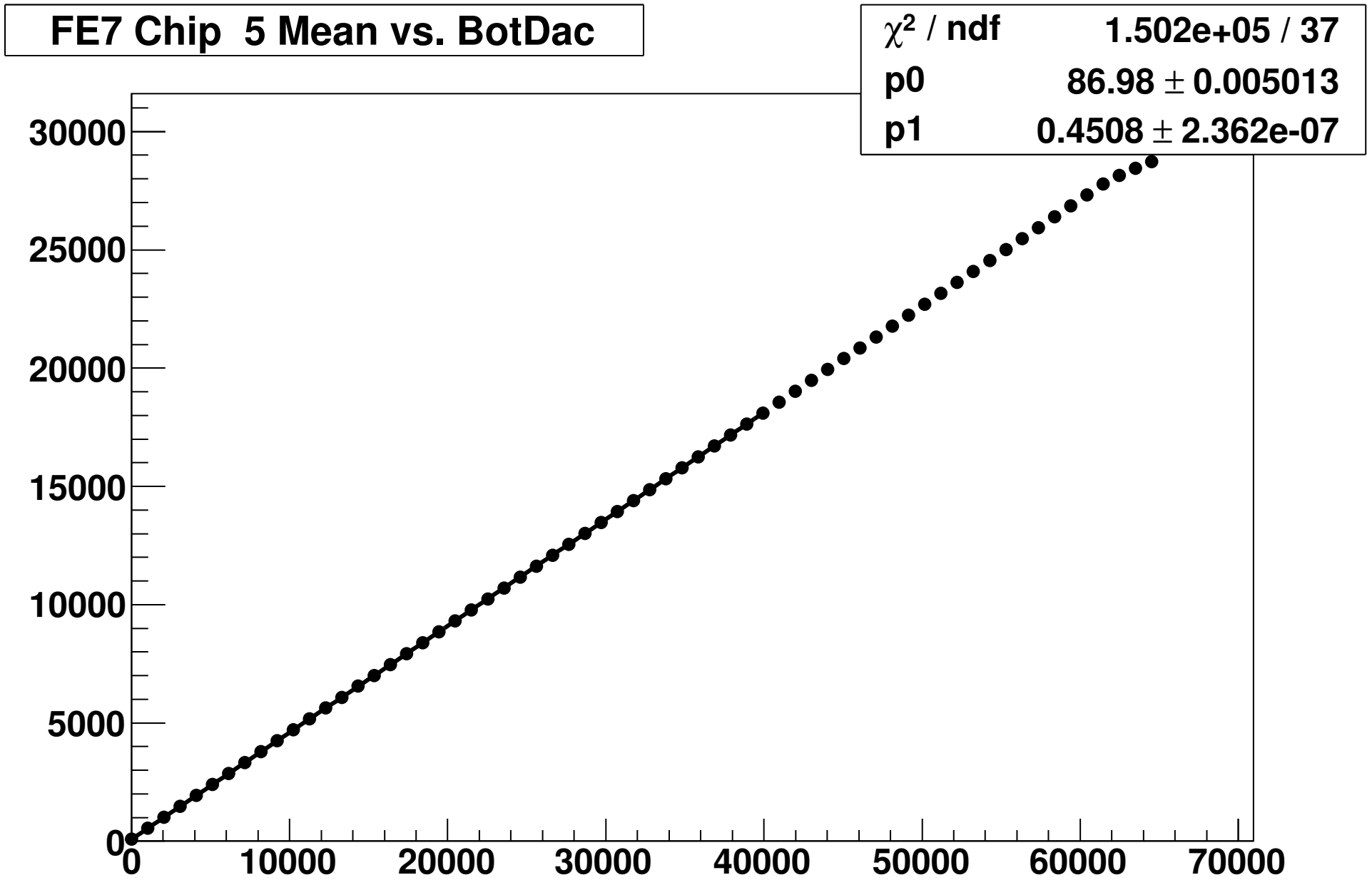

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 46.65 / 37
p0 1.459 ± 0.002664
p1 1.366e-06 ± 3.877e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

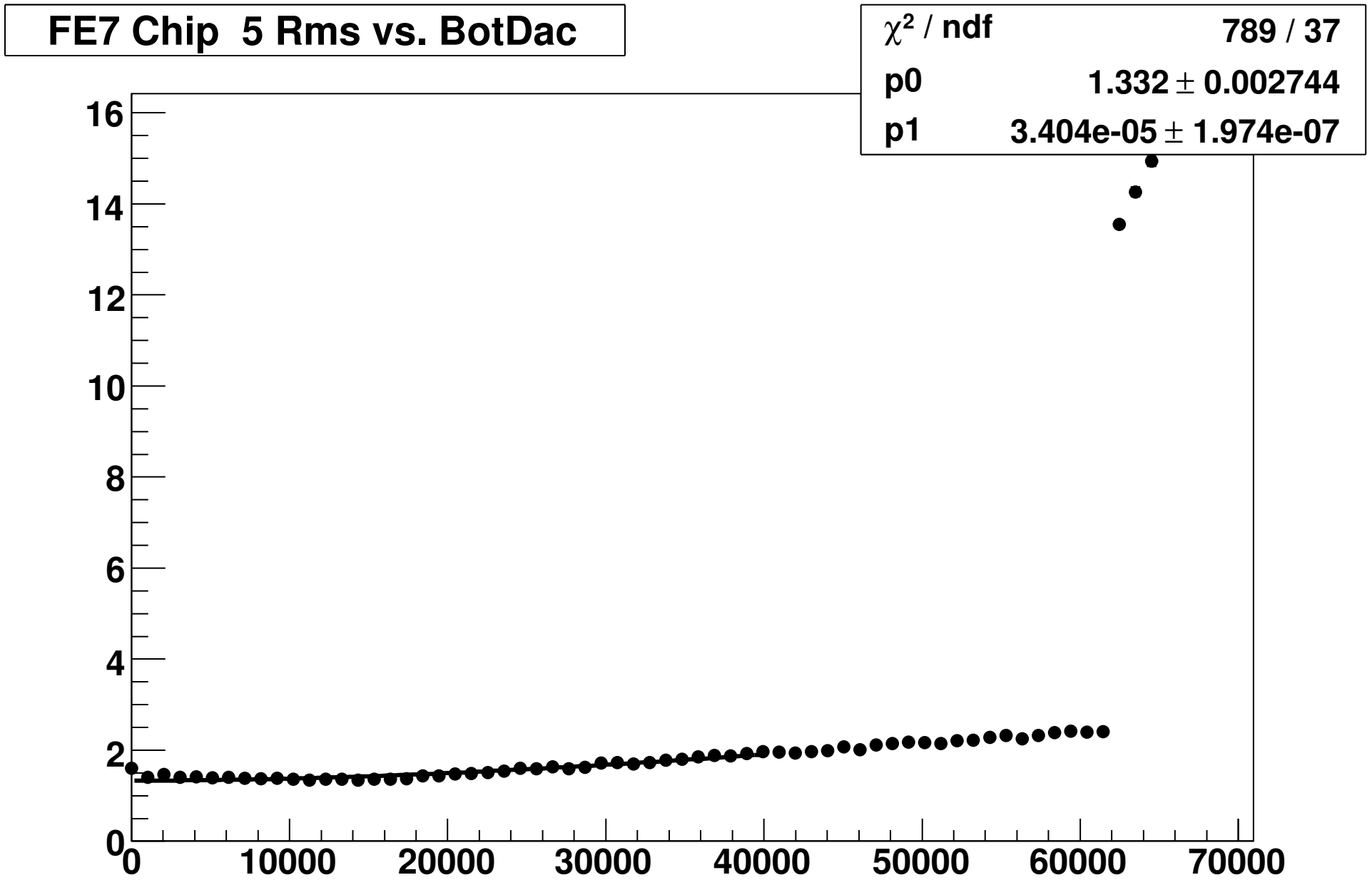

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.346e+05 / 37
p0 90.75 ± 0.004973
p1 0.4509 ± 2.364e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

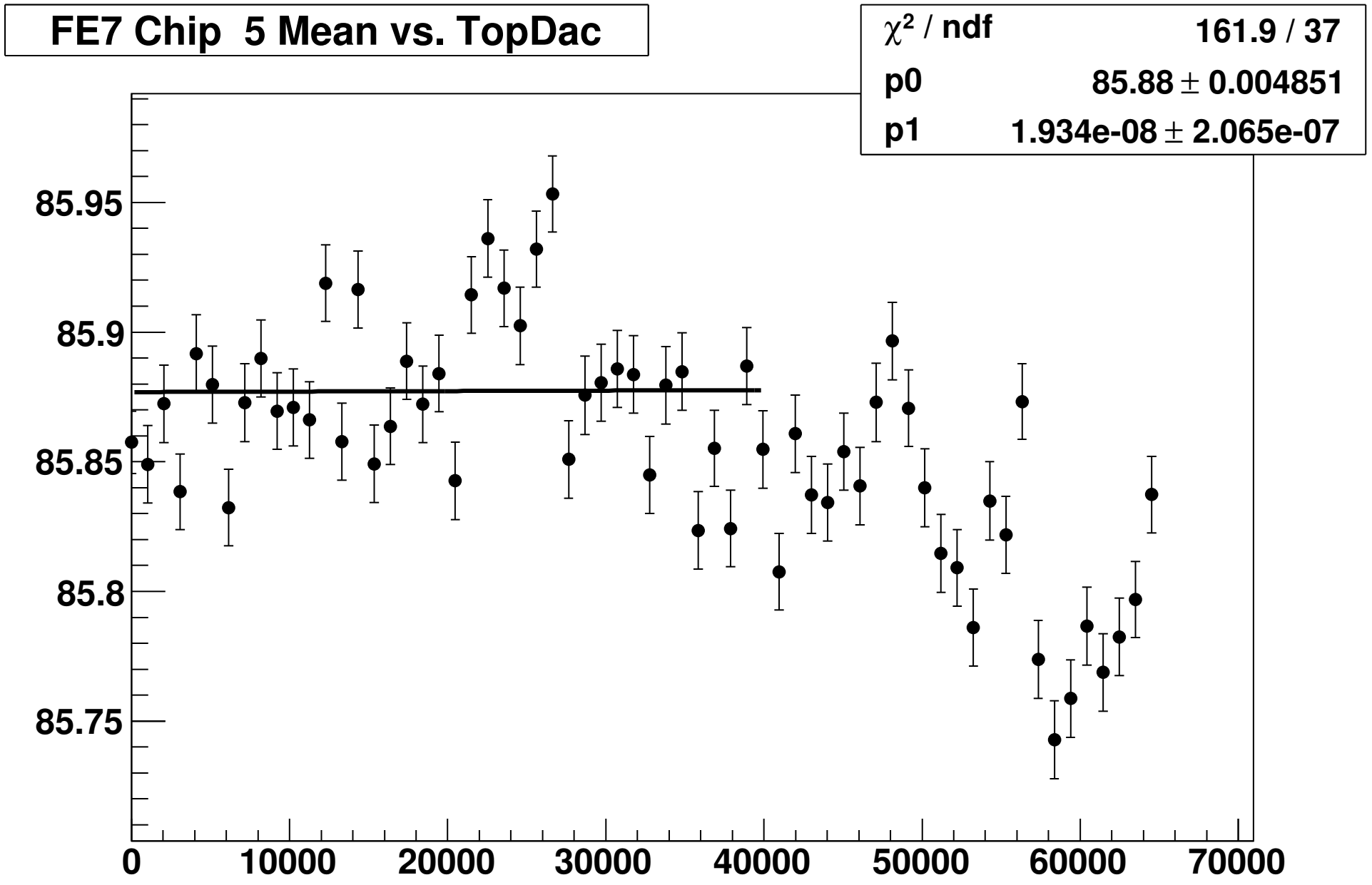

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 3561 / 37
p0 1.304 ± 0.002728
p1 3.565e-05 ± 1.89e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 171.8 / 37
p0 89.57 ± 0.005154
p1 1.27e-06 ± 2.193e-07
89.7
89.65
89.6
89.55
89.5
89.45
89.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 44.25 / 37
p0 1.489 ± 0.001793
p1 4.221e-14 ± 5.581e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.502e+05 / 37
p0 86.98 ± 0.005013
p1 0.4508 ± 2.362e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 789 / 37
p0 1.332 ± 0.002744
p1 3.404e-05 ± 1.974e-07
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 161.9 / 37
p0 85.88 ± 0.004851
p1 1.934e-08 ± 2.065e-07
85.95
85.9
85.85
85.8
85.75
0
10000
20000
30000
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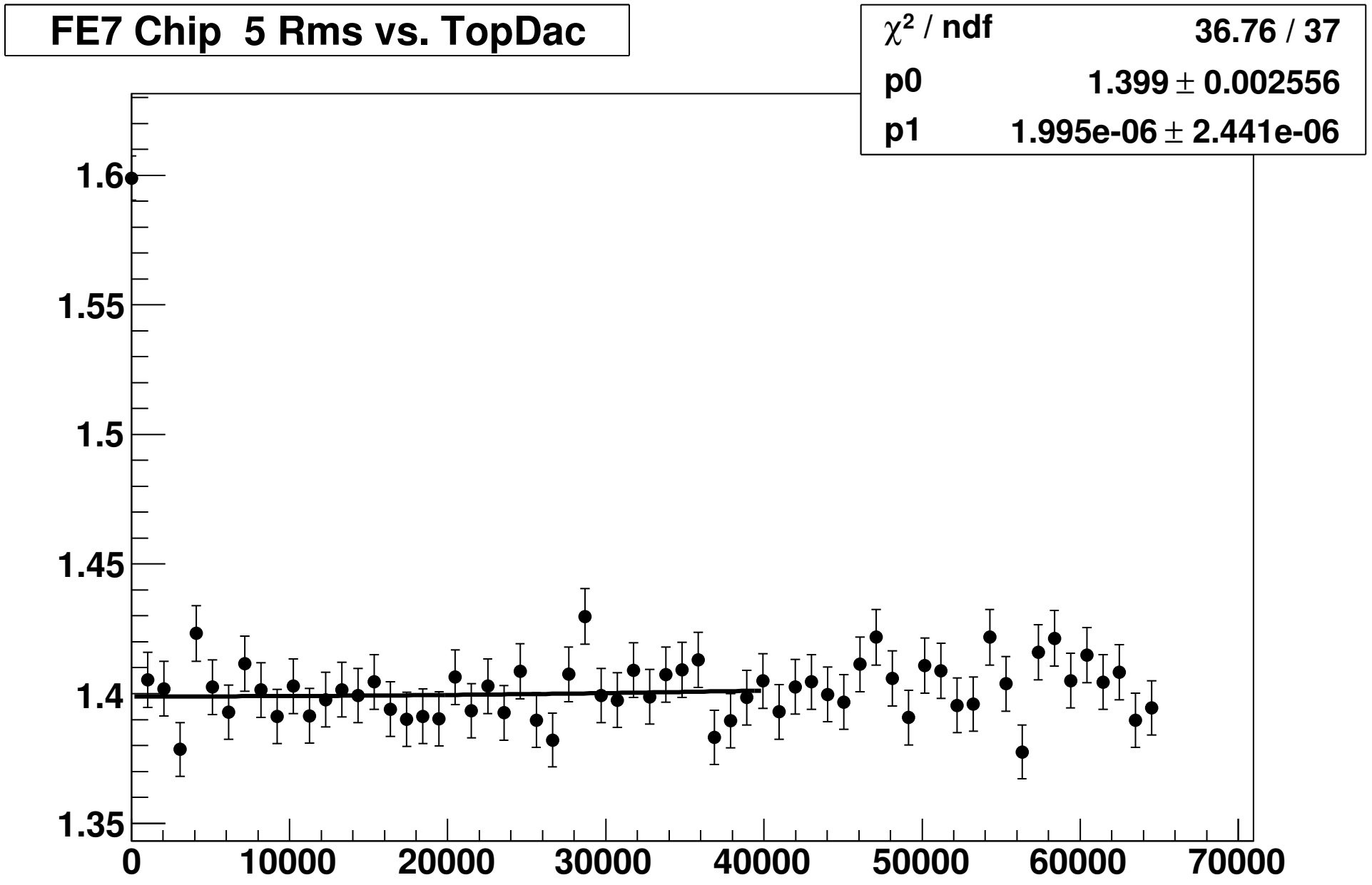
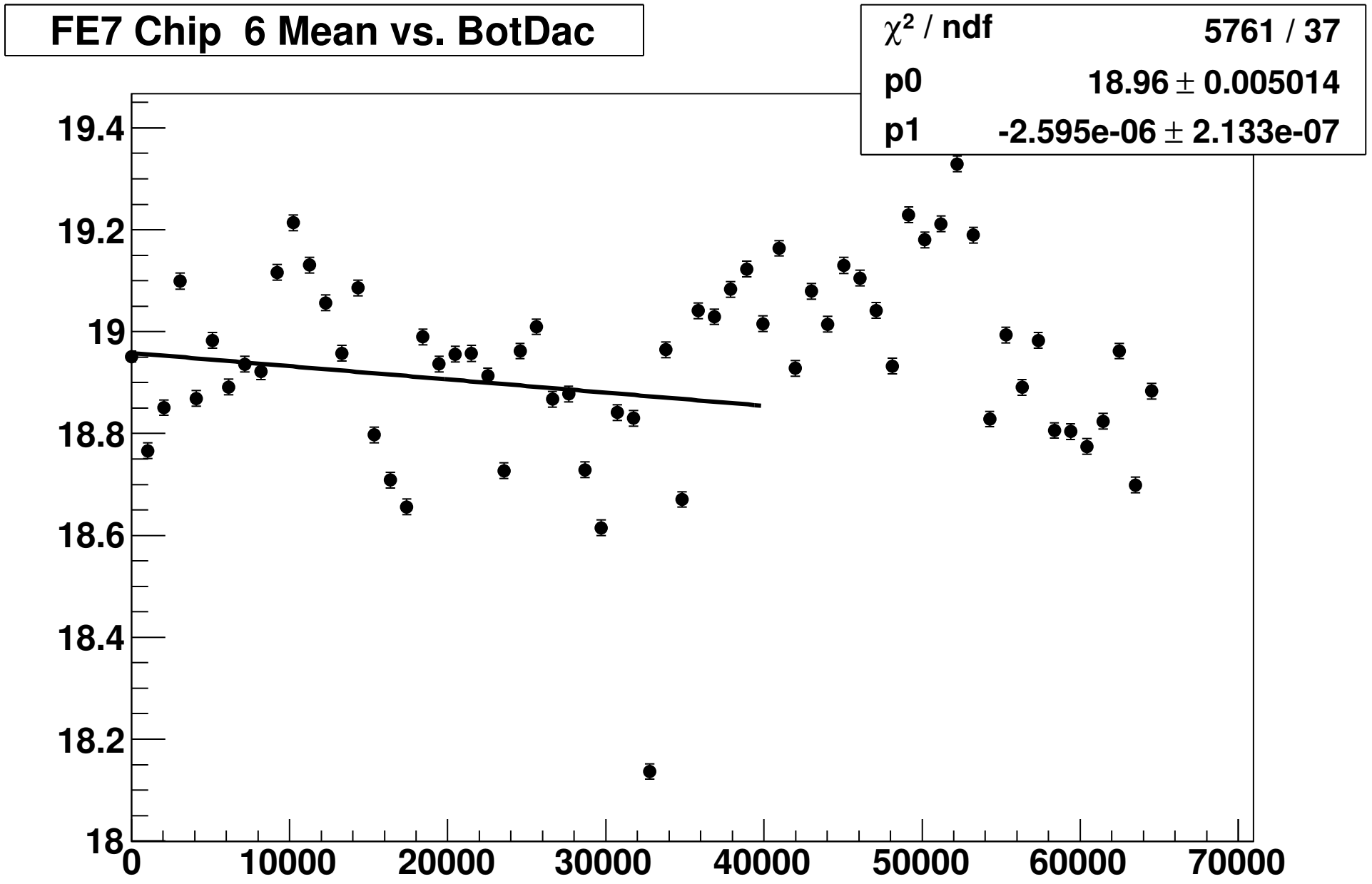
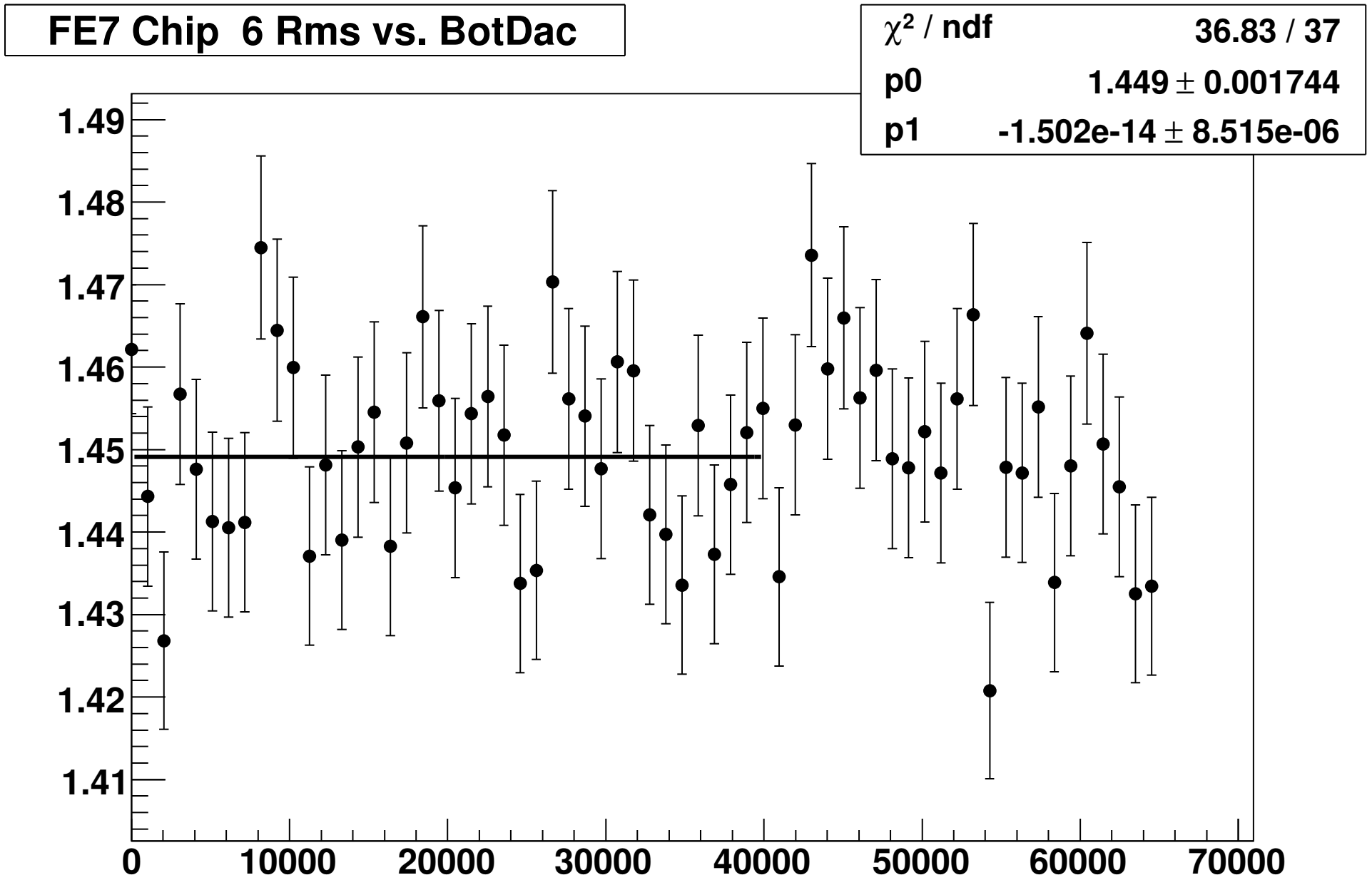
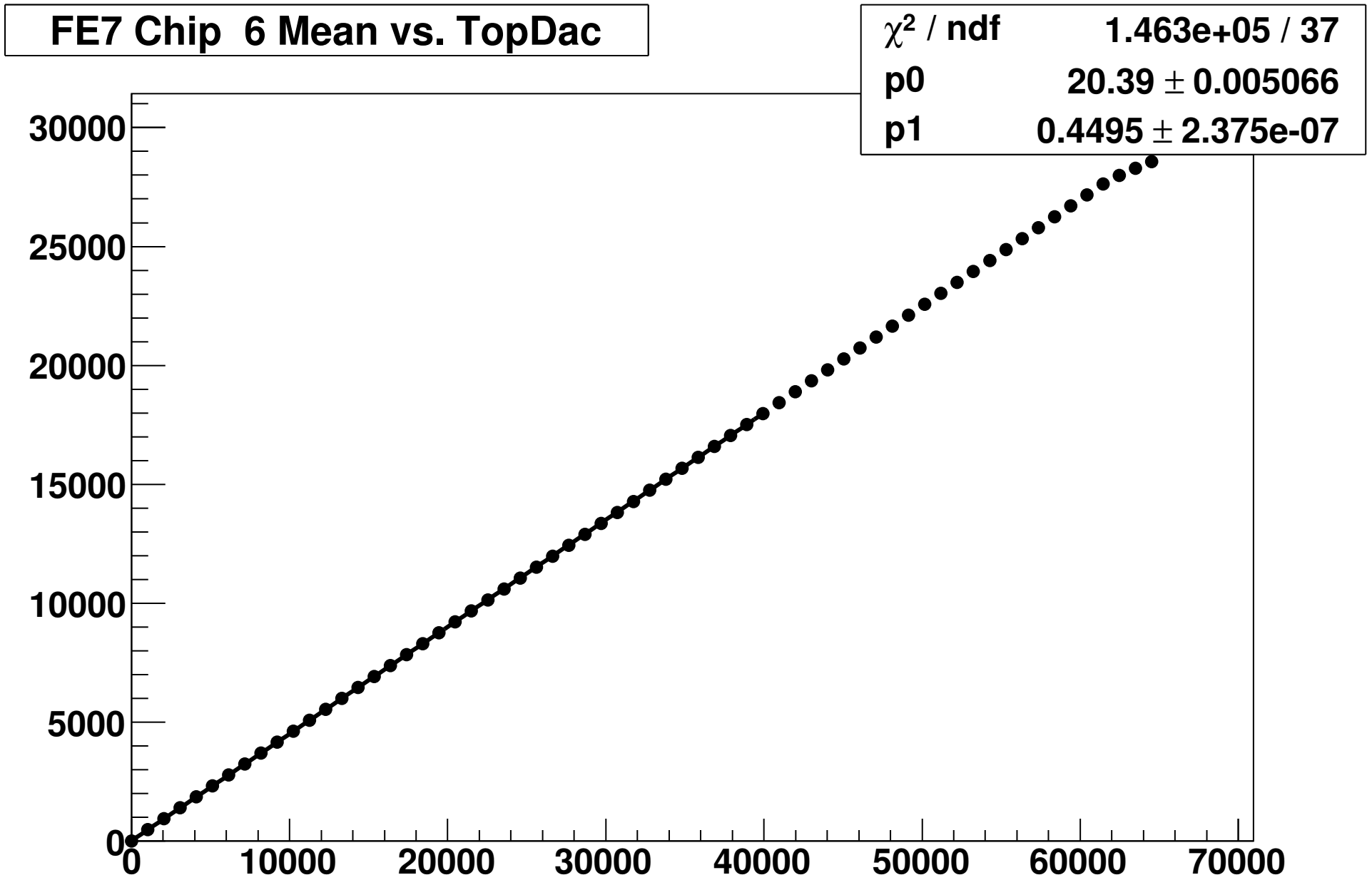
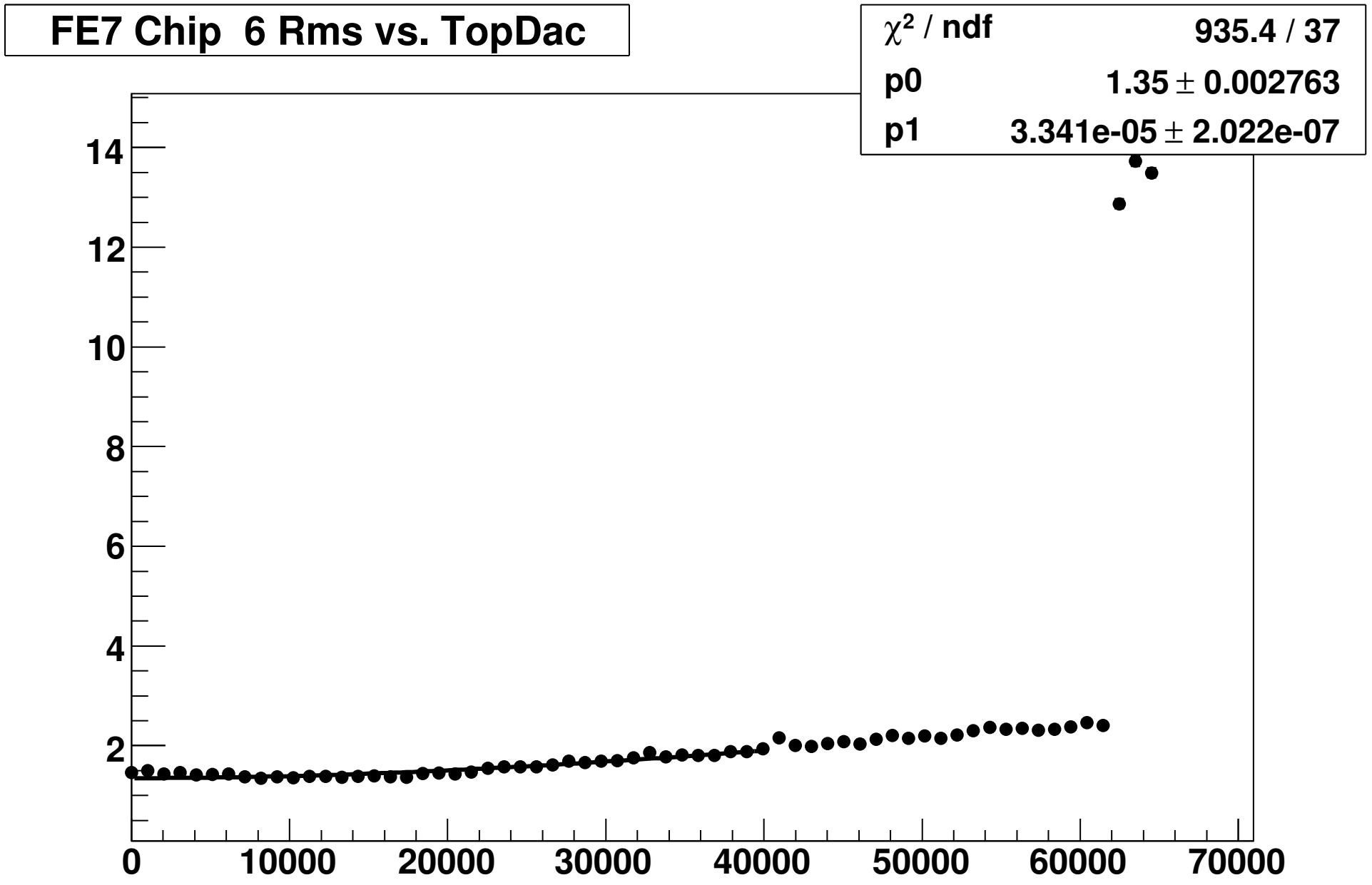
50000
60000
70000

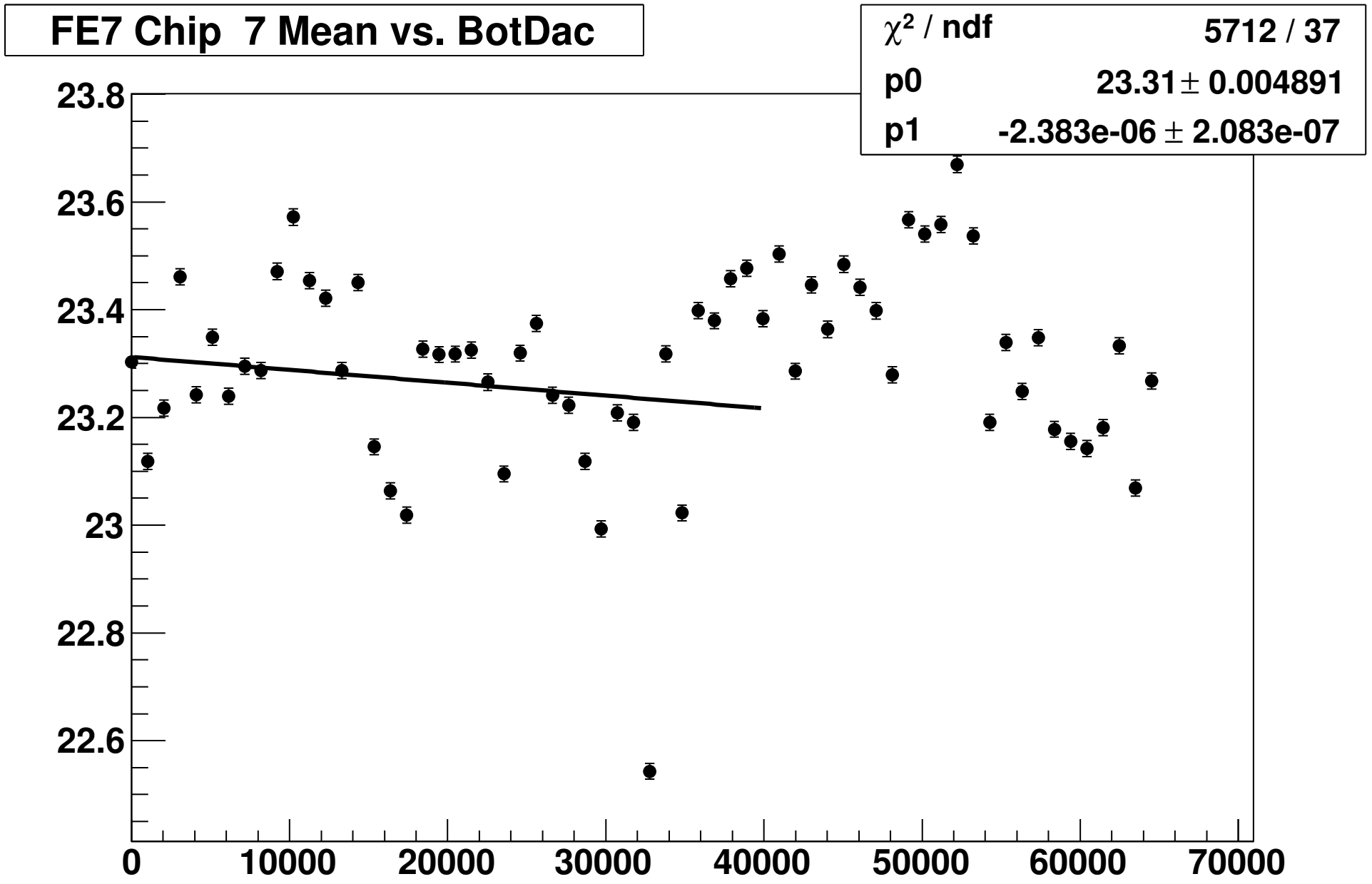

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 36.76 / 37
p0 1.399 ± 0.002556
p1 1.995e-06 ± 2.441e-06
1.6
1.55
1.5
1.45
1.4
1.35
0
10000
20000
30000
40000
50000
60000
70000

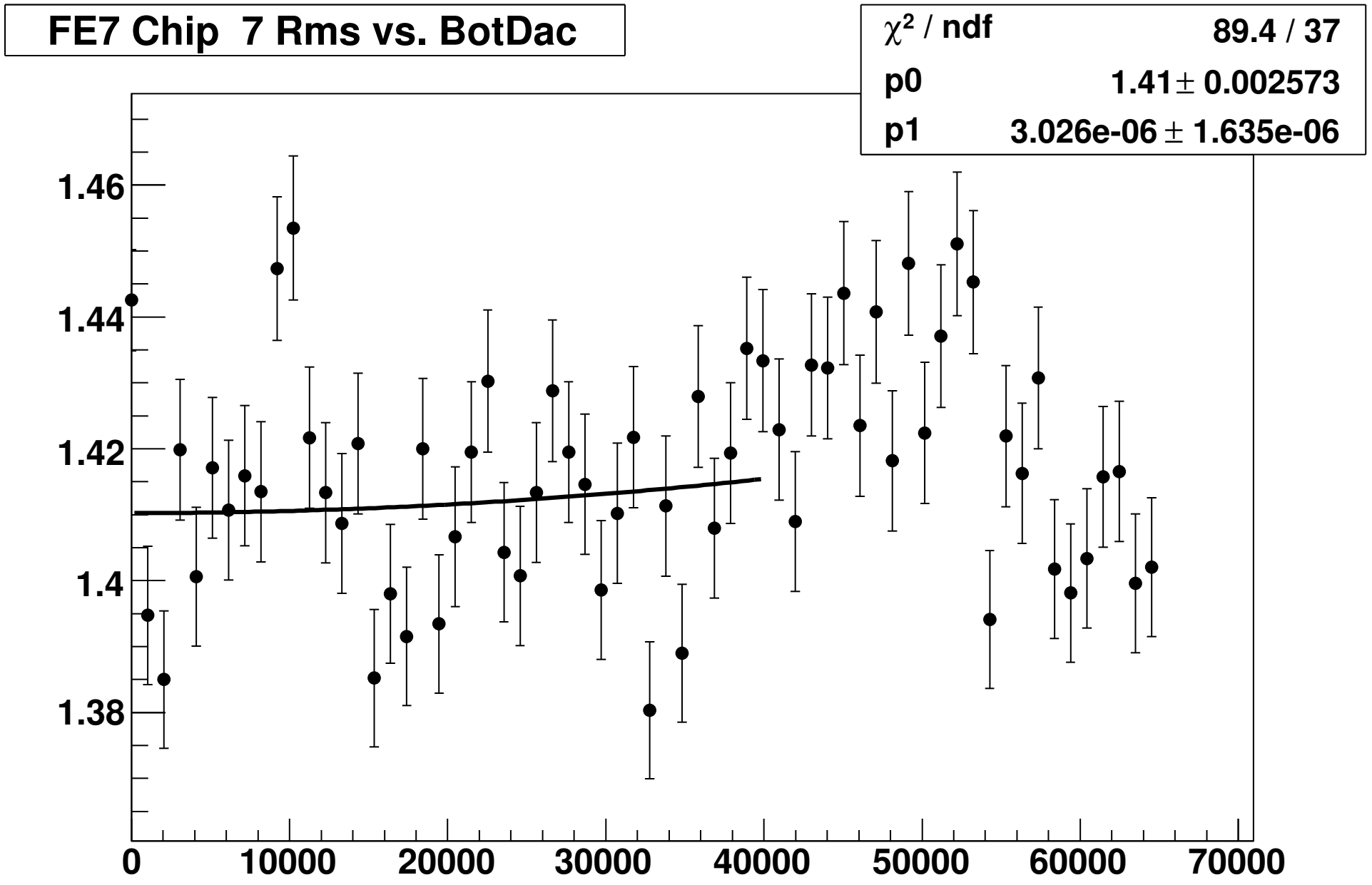

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 5761 / 37
p0 18.96 ± 0.005014
p1 -2.595e-06 ± 2.133e-07
19.4
19.2
19
18.8
18.6
18.4
18.2
18
0
10000
20000
30000
40000
50000
60000
70000

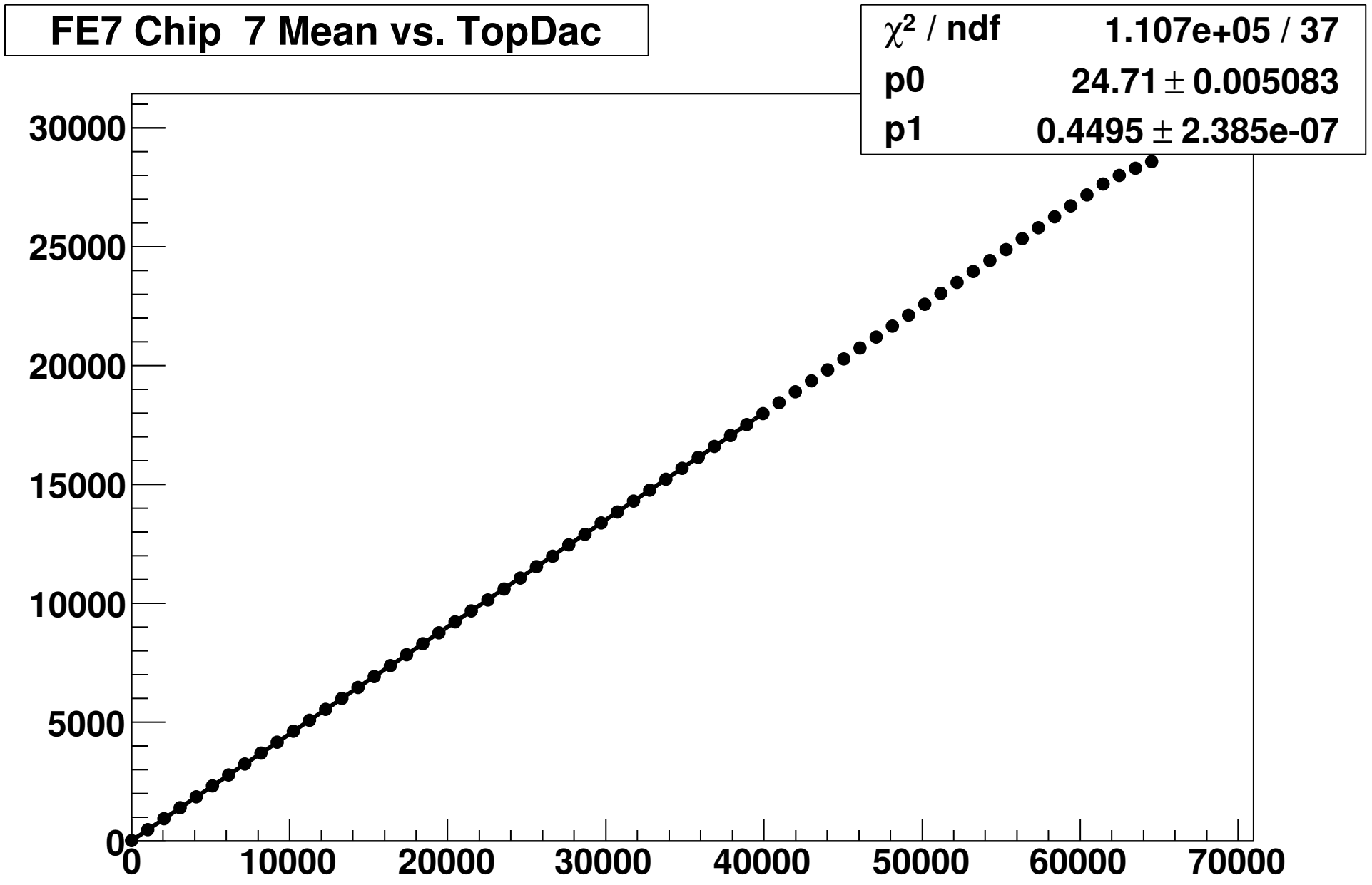

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 36.83 / 37
p0 1.449 ± 0.001744
p1 -1.502e-14 ± 8.515e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

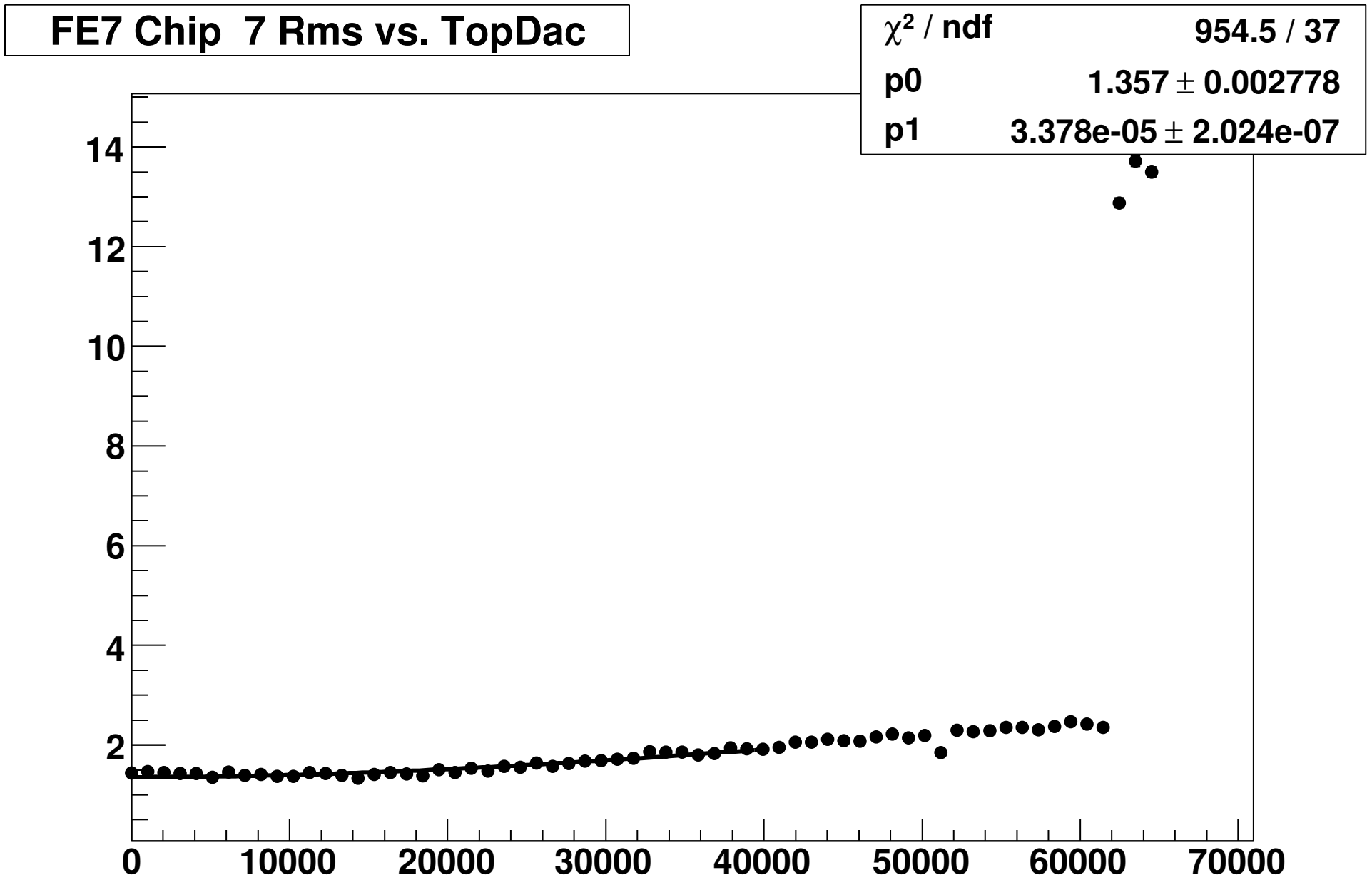

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.463e+05 / 37
p0 20.39 ± 0.005066
p1 0.4495 ± 2.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

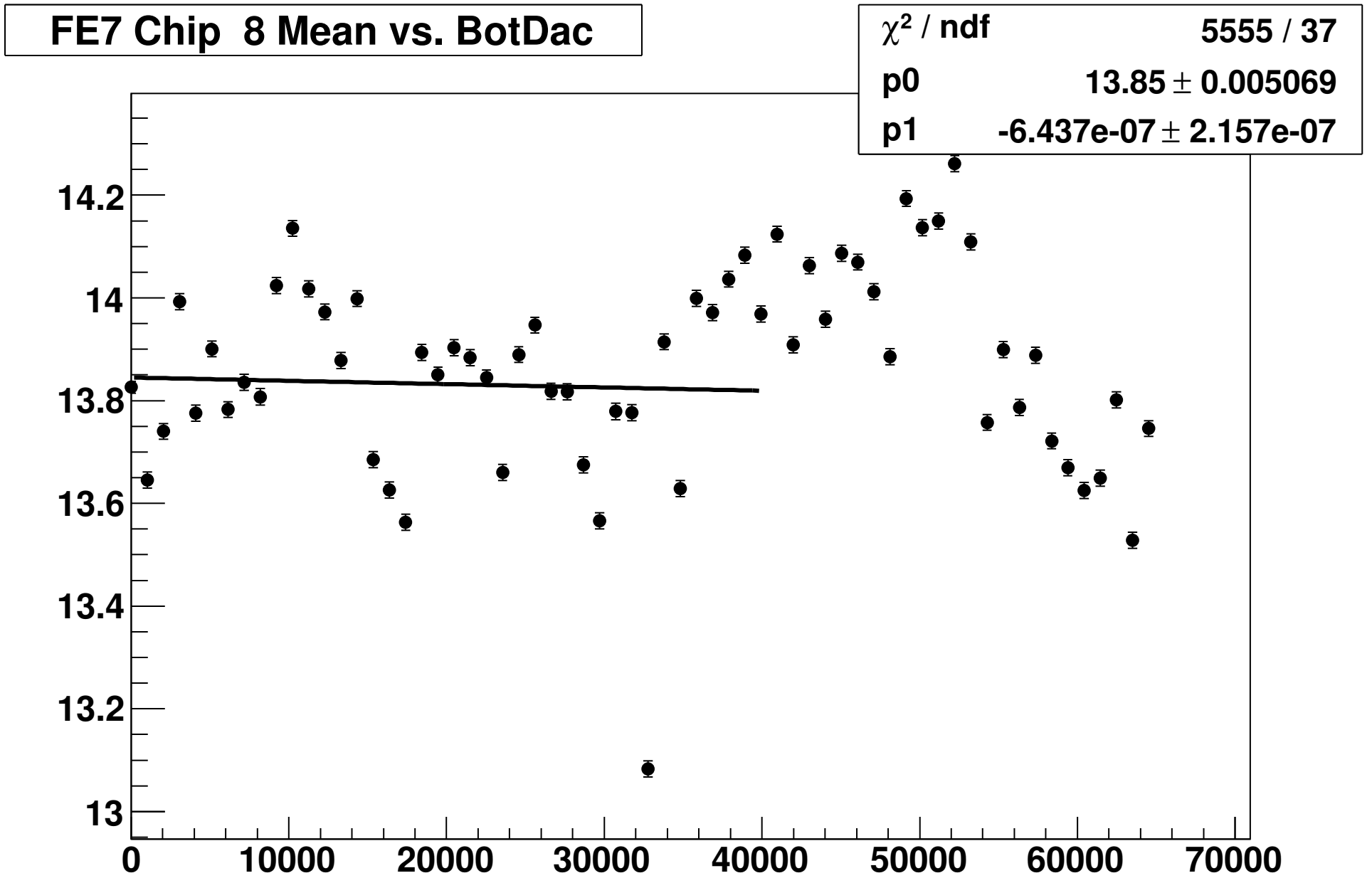

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 935.4 / 37
p0 1.35 ± 0.002763
p1 3.341e-05 ± 2.022e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

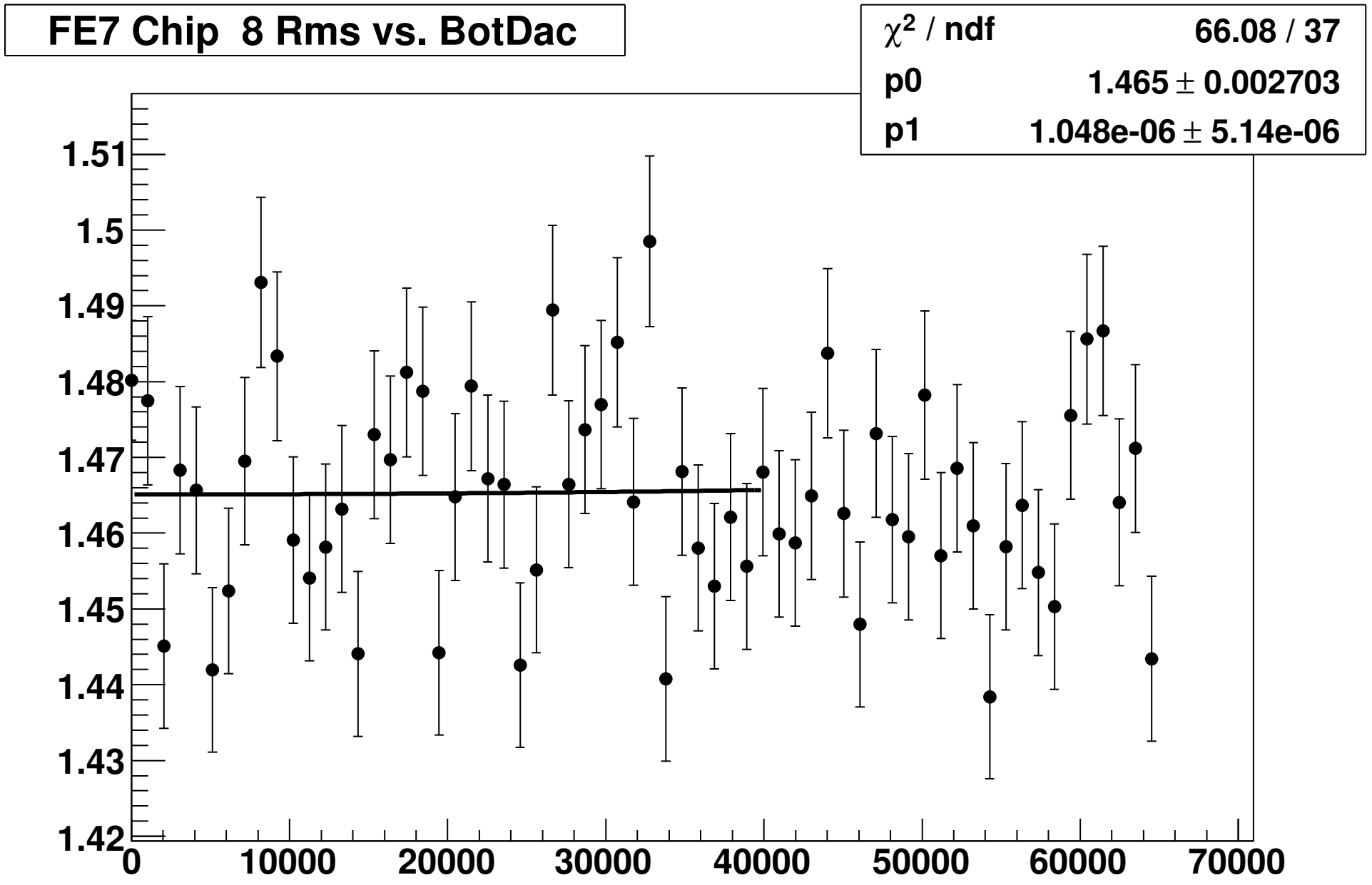

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 5712 / 37
p0 23.31 ± 0.004891
p1 -2.383e-06 ± 2.083e-07
23.8
23.6
23.4
23.2
23
22.8
22.6
0
10000
20000
30000
40000
50000
60000
70000

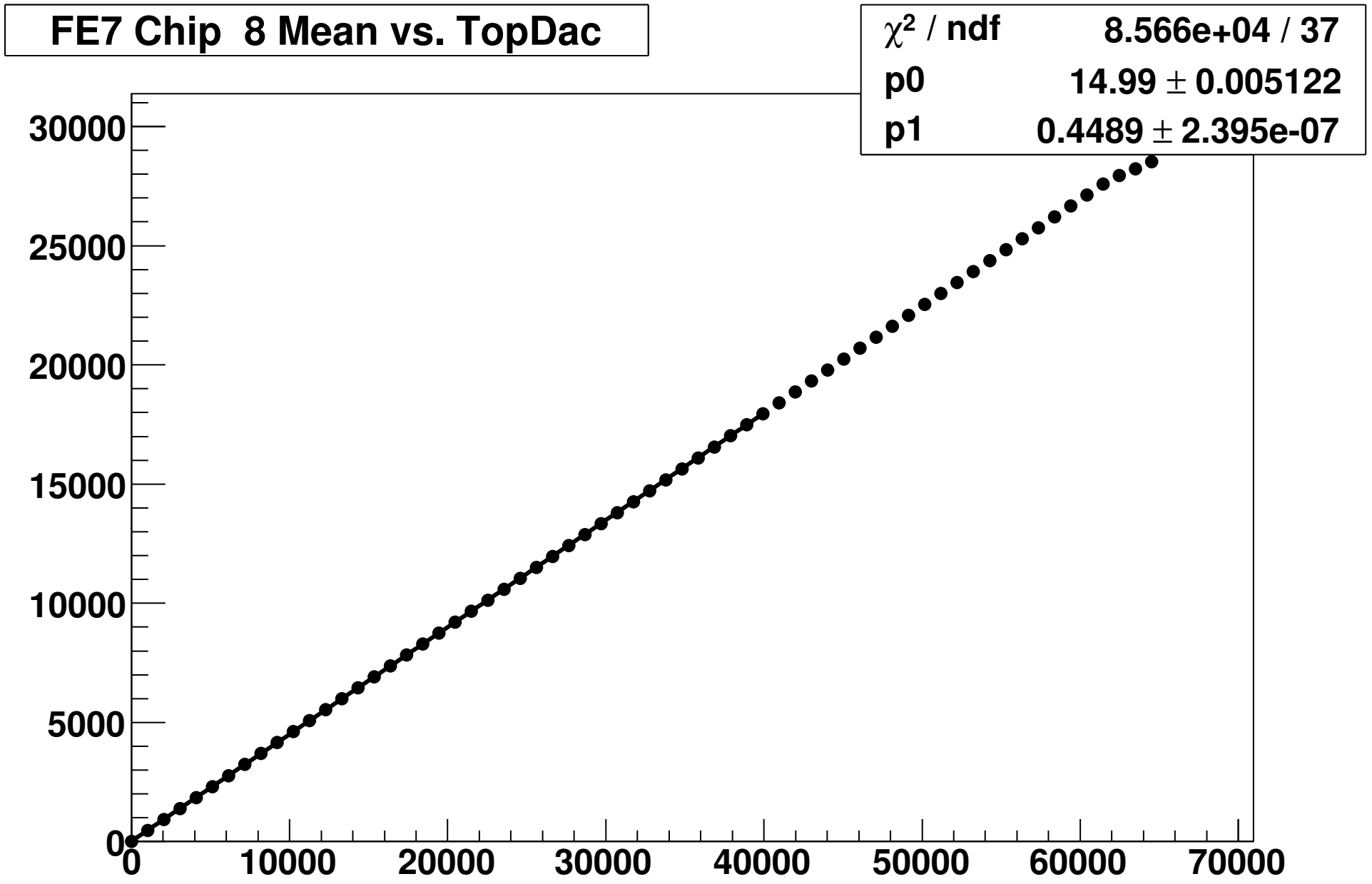

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 89.4 / 37
p0 1.41 ± 0.002573
p1 3.026e-06 ± 1.635e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

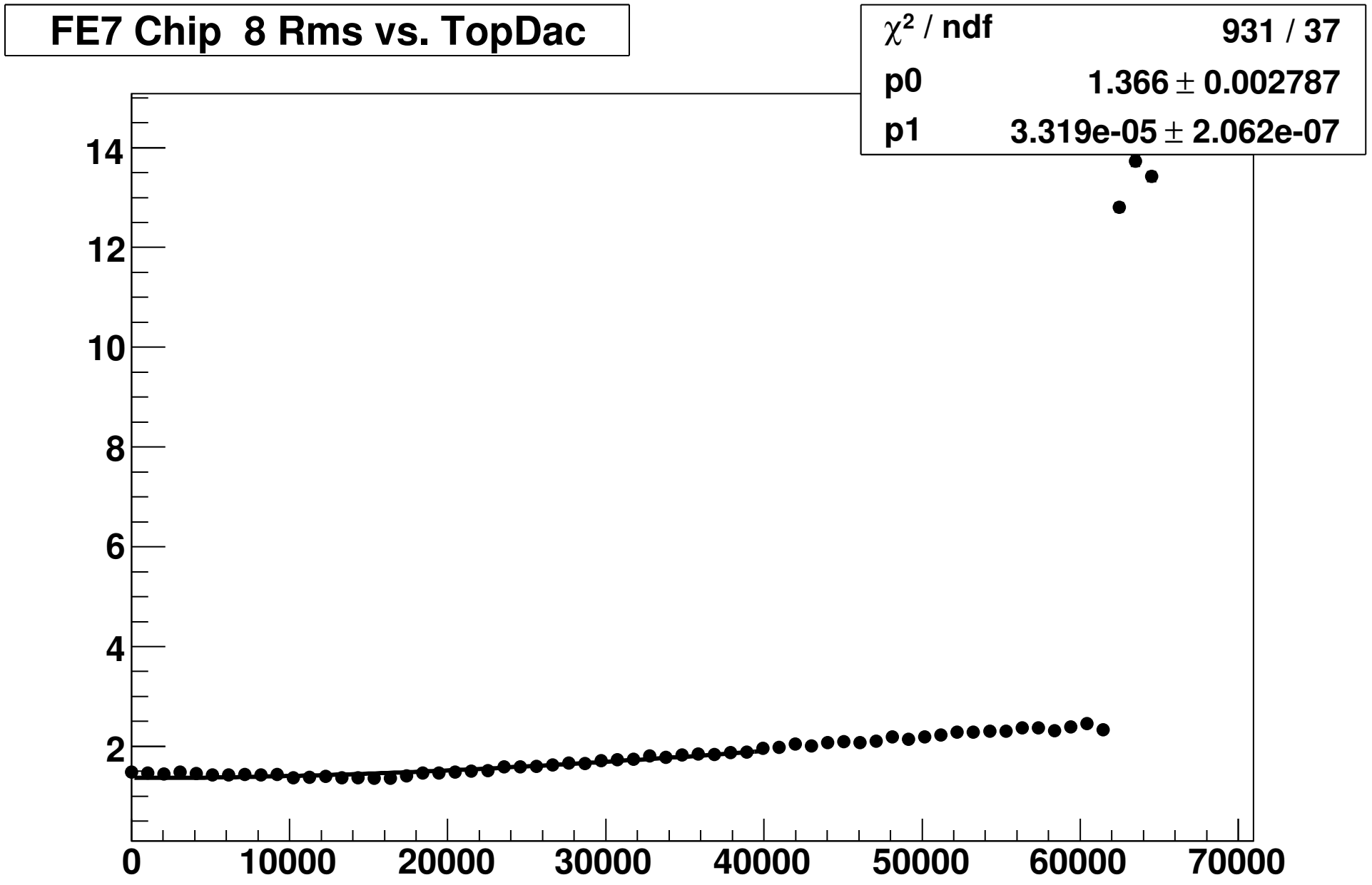

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.107e+05 / 37
p0 24.71 ± 0.005083
p1 0.4495 ± 2.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

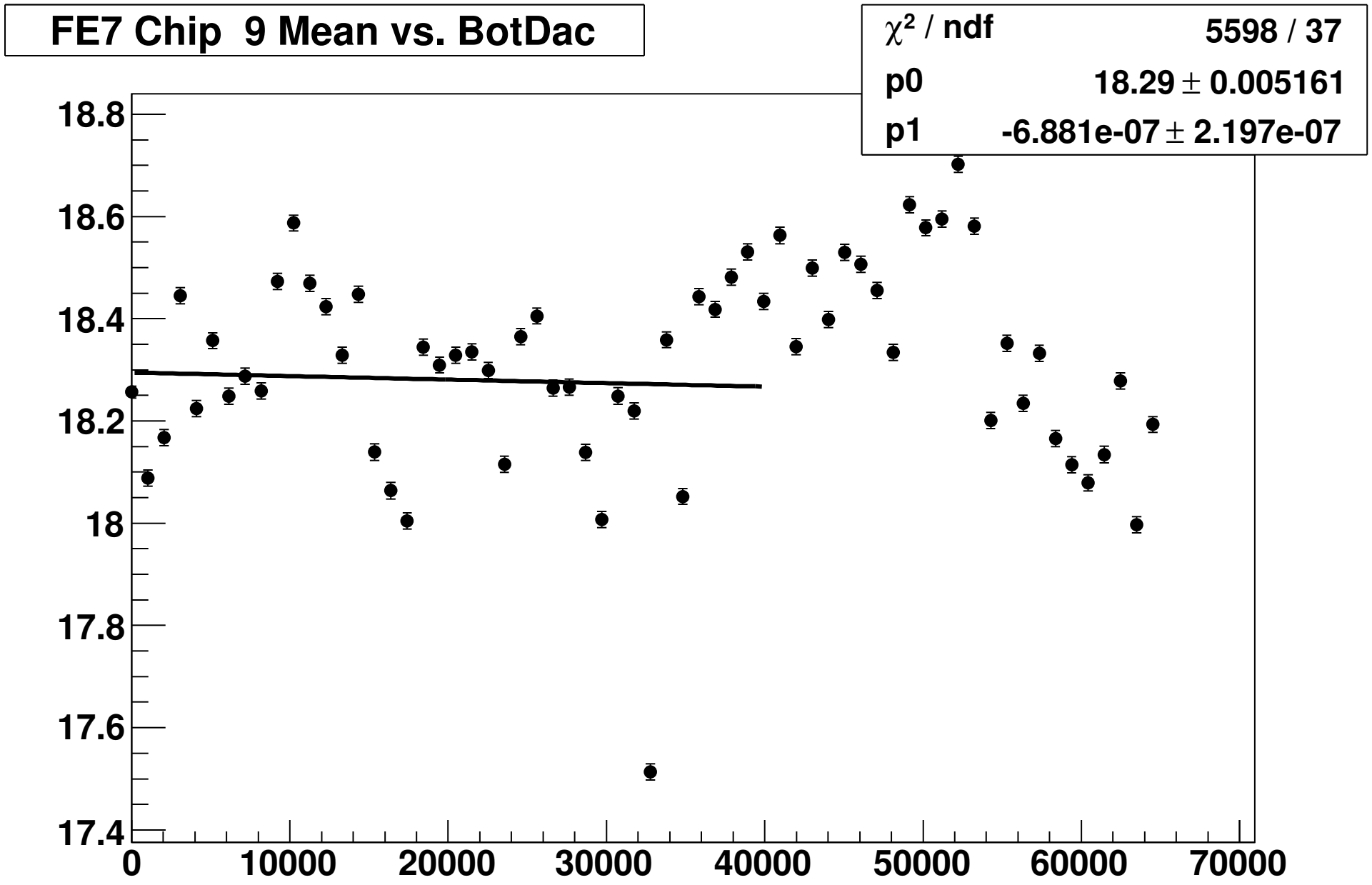

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 954.5 / 37
p0 1.357 ± 0.002778
p1 3.378e-05 ± 2.024e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

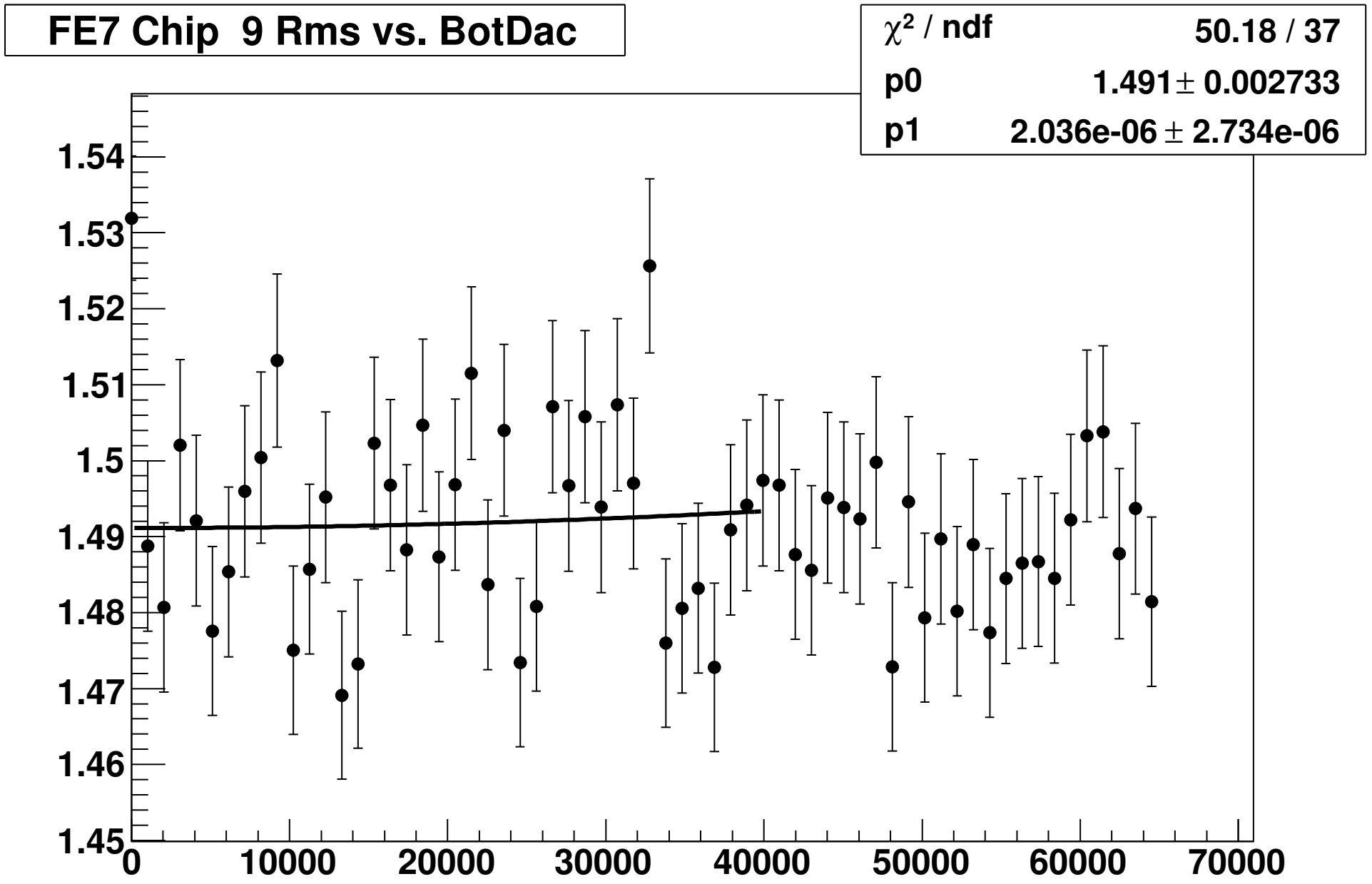

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 5555 / 37
p0 13.85 ± 0.005069
p1 -6.437e-07 ± 2.157e-07
14.2
14
13.8
13.6
13.4
13.2
13
0
10000
20000
30000
40000
50000
60000
70000

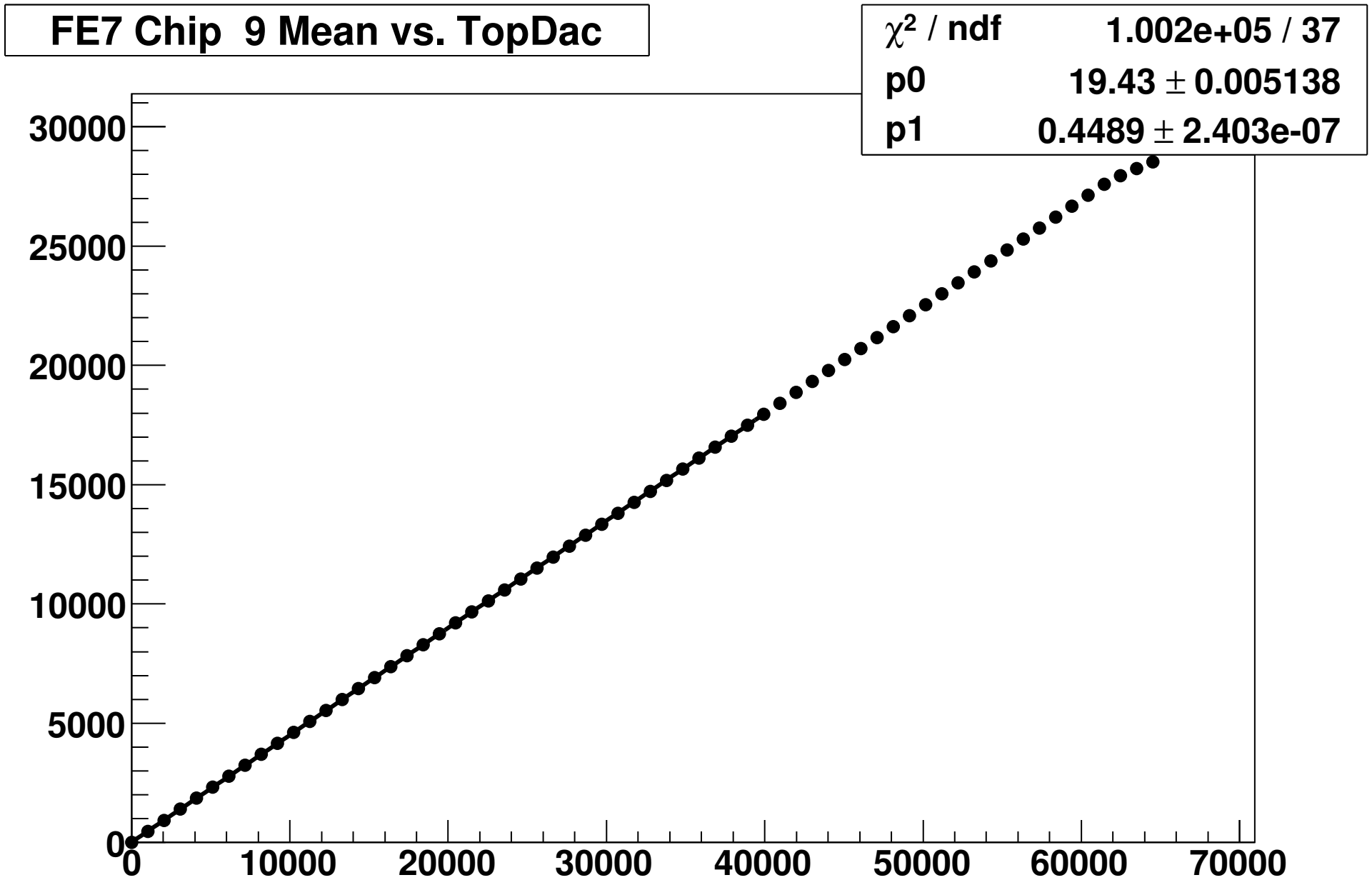

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 66.08 / 37
p0 1.465 ± 0.002703
p1 1.048e-06 ± 5.14e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

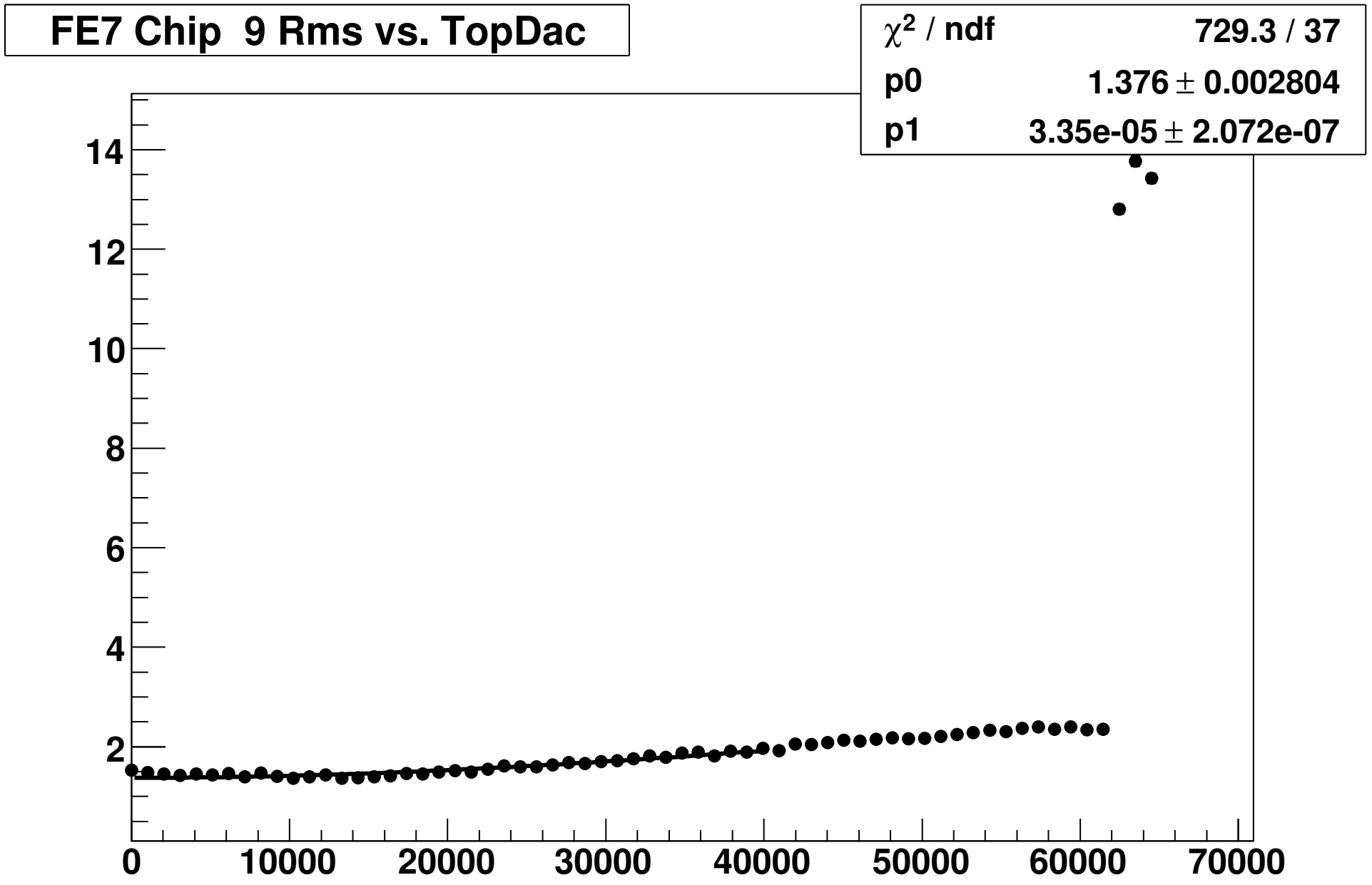

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 8.566e+04 / 37
p0 14.99 ± 0.005122
p1 0.4489 ± 2.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

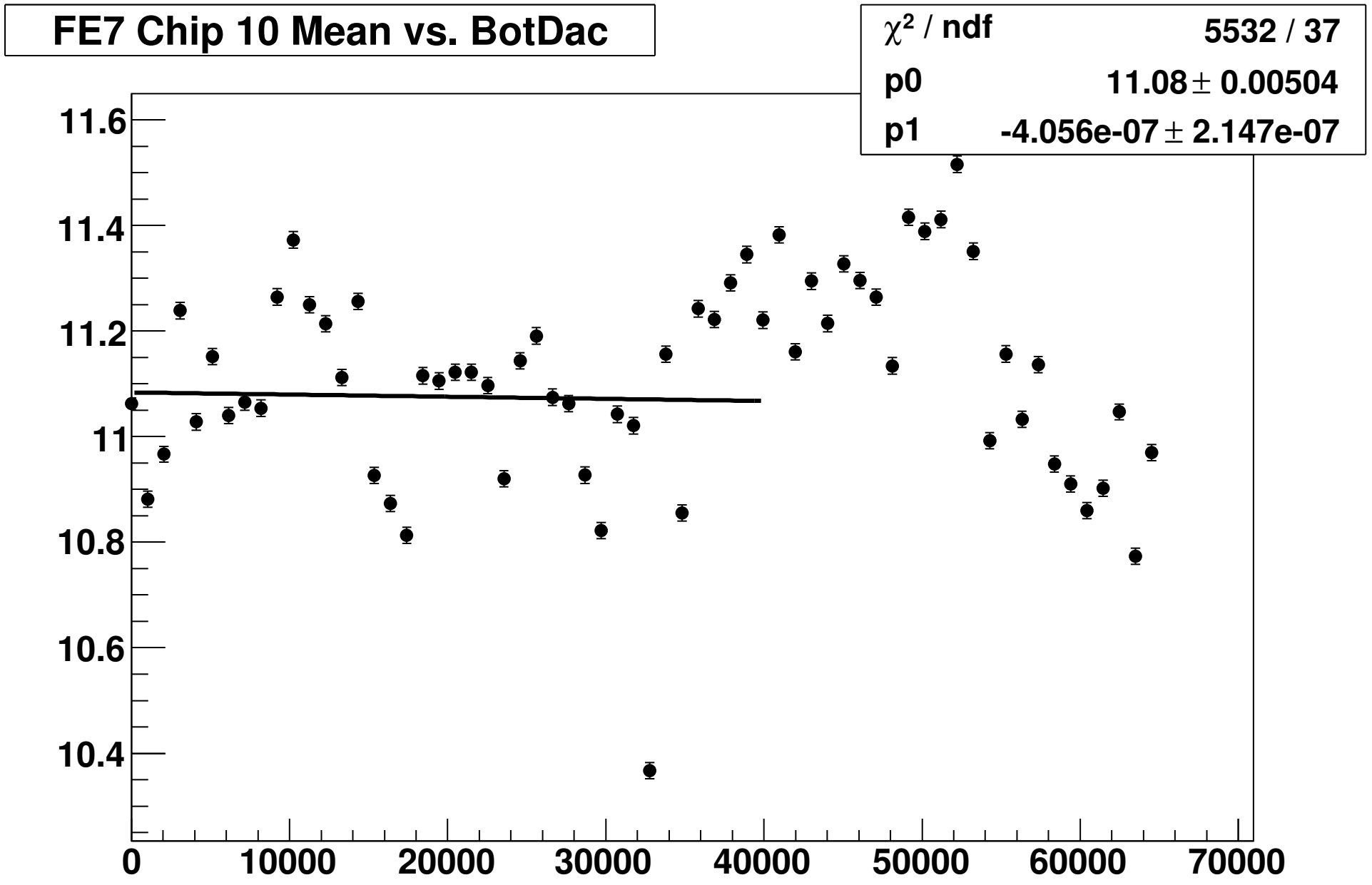

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 931 / 37
p0 1.366 ± 0.002787
p1 3.319e-05 ± 2.062e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

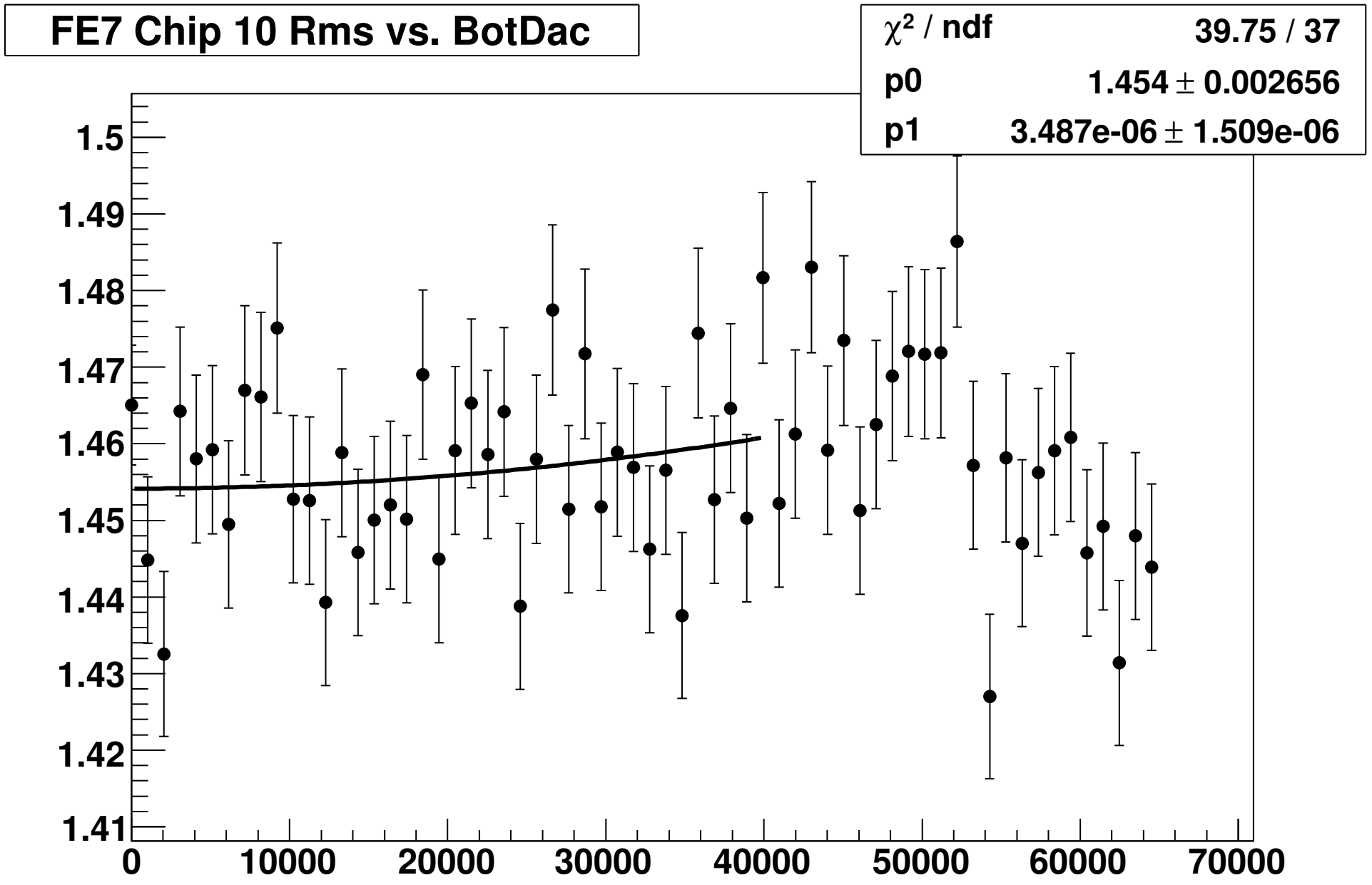

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 5598 / 37
p0 18.29 ± 0.005161
p1 -6.881e-07 ± 2.197e-07
18.8
18.6
18.4
18.2
18
17.8
17.6
17.4
0
10000
20000
30000
40000
50000
60000
70000

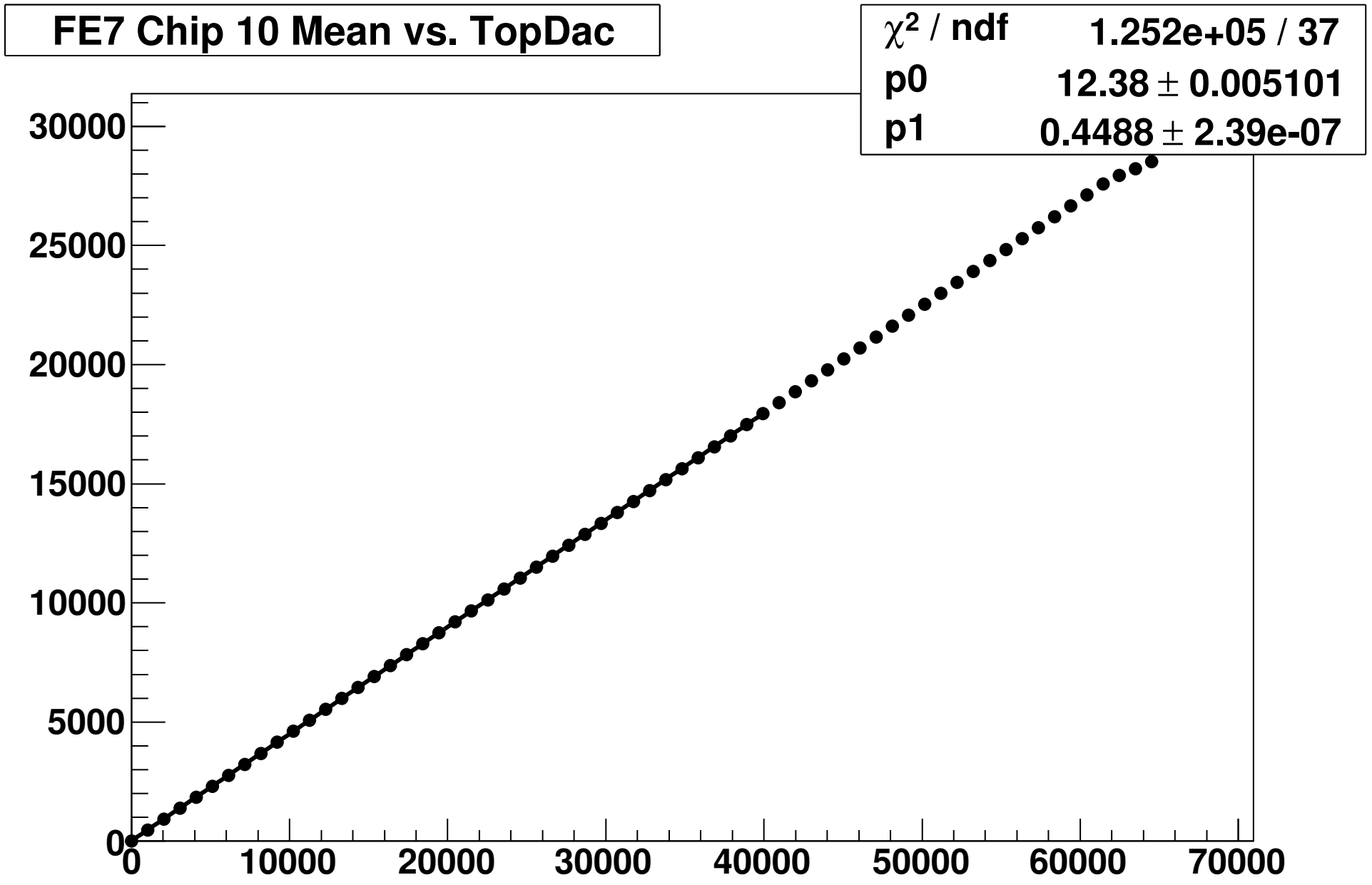

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 50.18 / 37
p0 1.491 ± 0.002733
p1 2.036e-06 ± 2.734e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

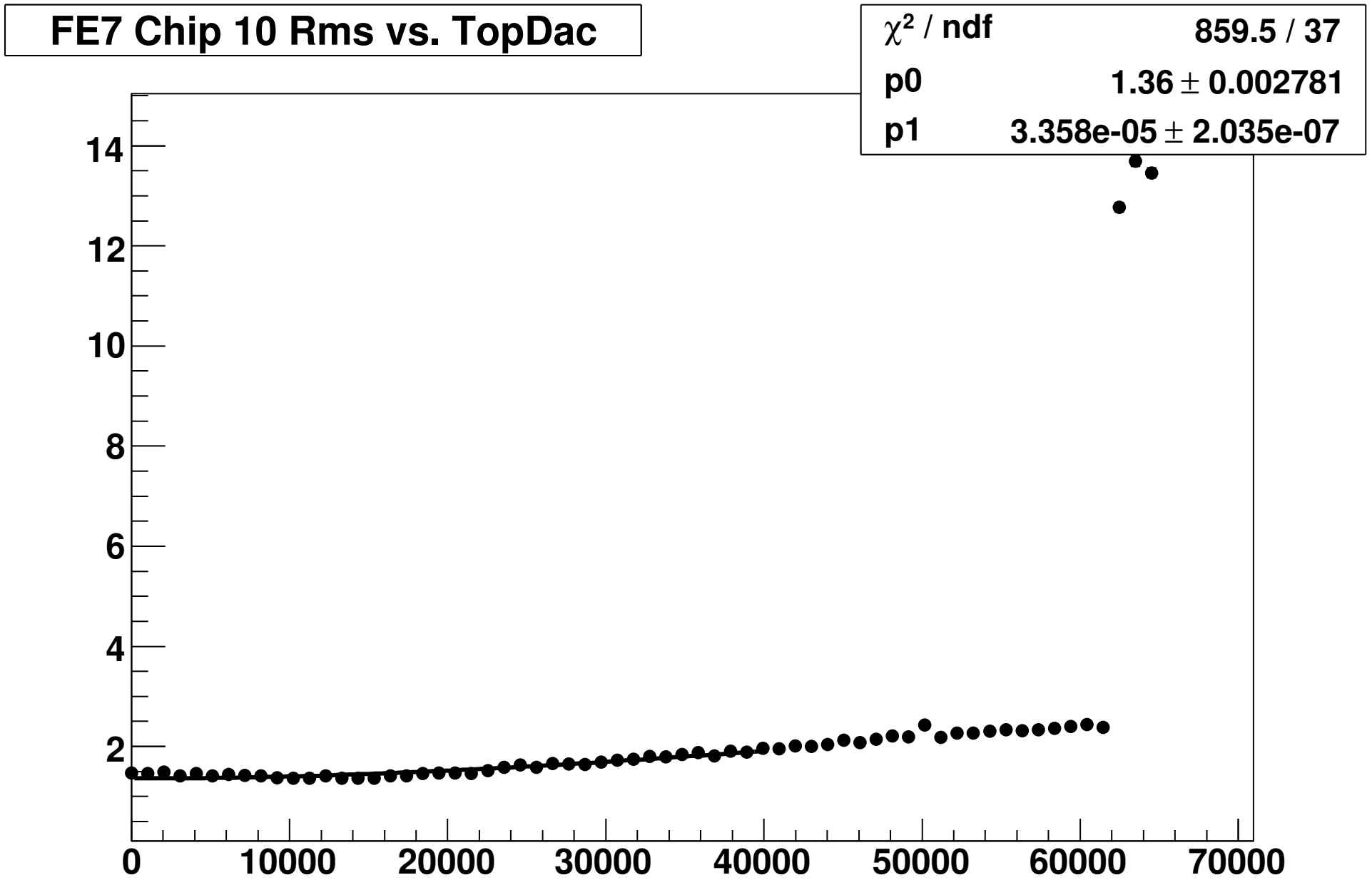

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.002e+05 / 37
p0 19.43 ± 0.005138
p1 0.4489 ± 2.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

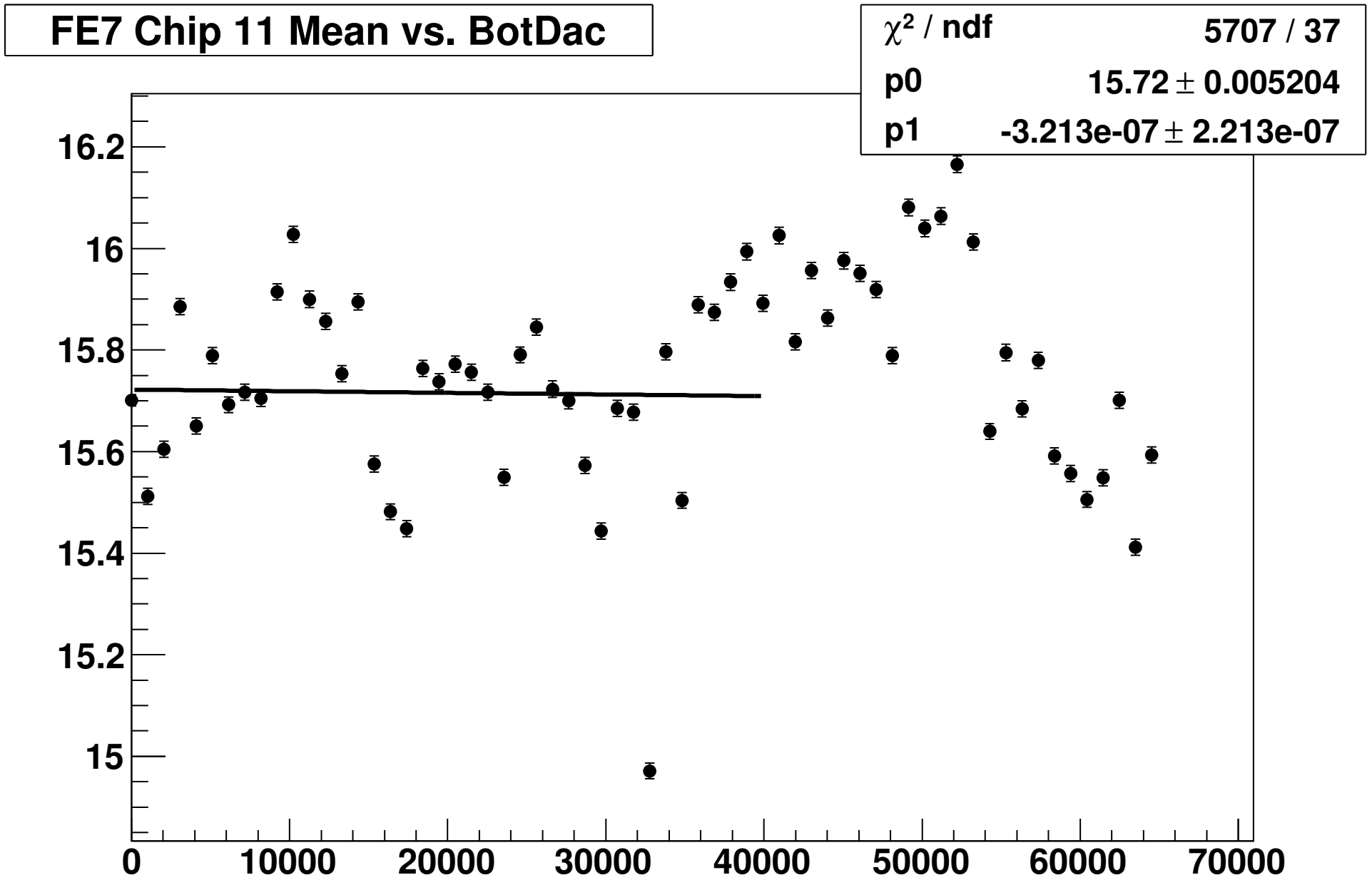

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 729.3 / 37
p0 1.376 ± 0.002804
p1 3.35e-05 ± 2.072e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

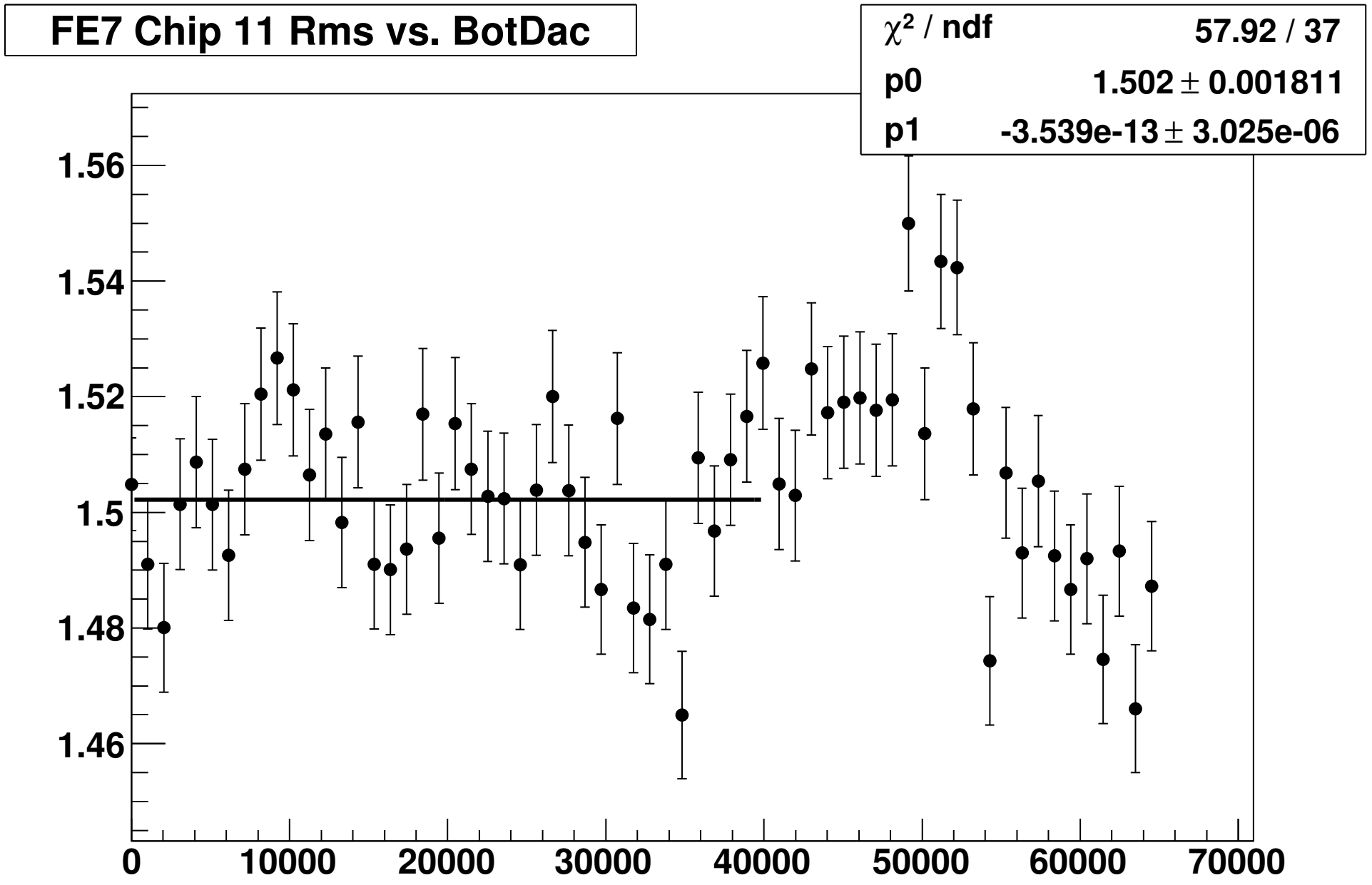

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 5532 / 37
p0 11.08 ± 0.00504
p1 -4.056e-07 ± 2.147e-07
11.6
11.4
11.2
11
10.8
10.6
10.4
0
10000
20000
30000
40000
50000
60000
70000

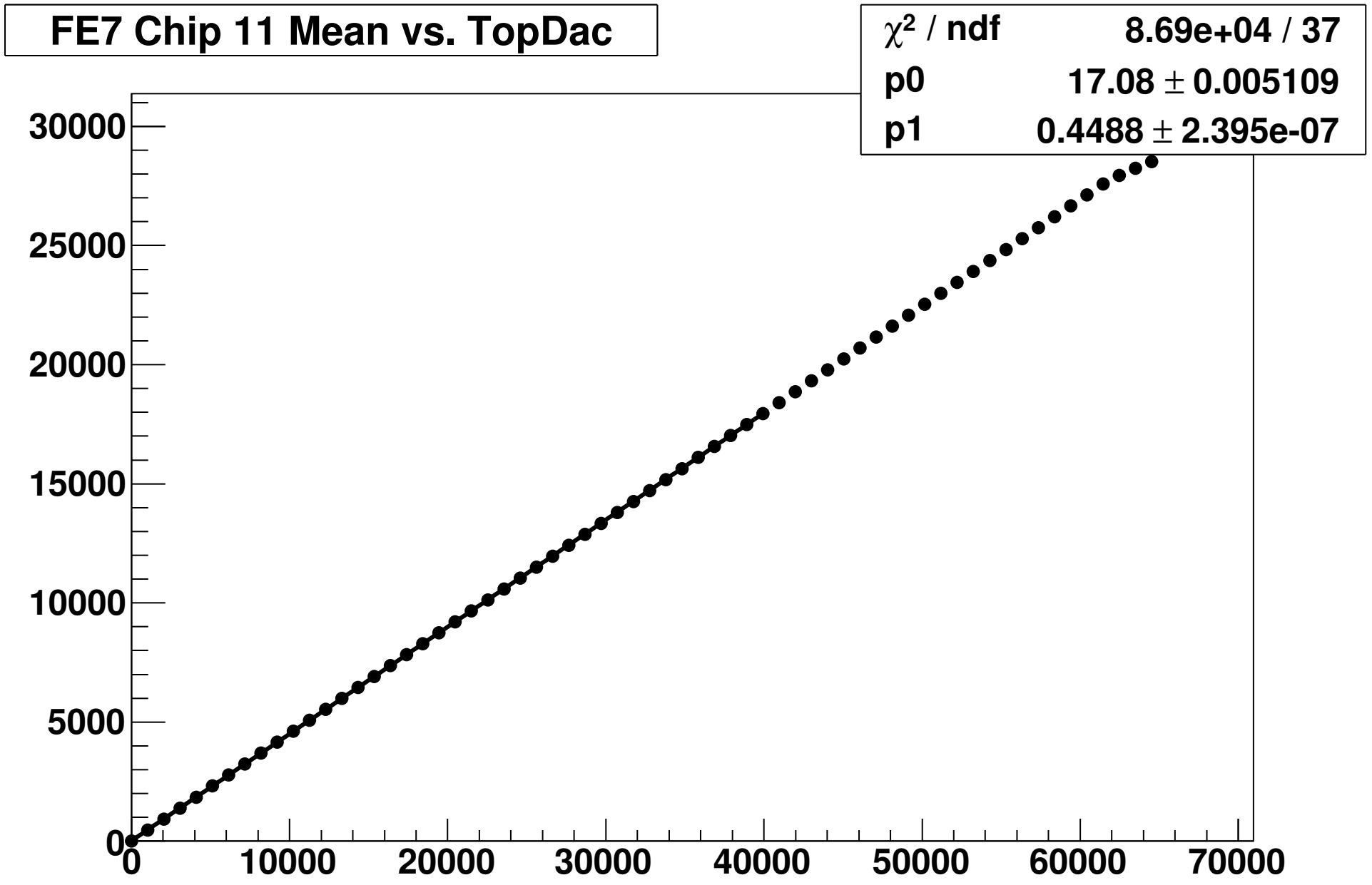

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 39.75 / 37
p0 1.454 ± 0.002656
p1 3.487e-06 ± 1.509e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

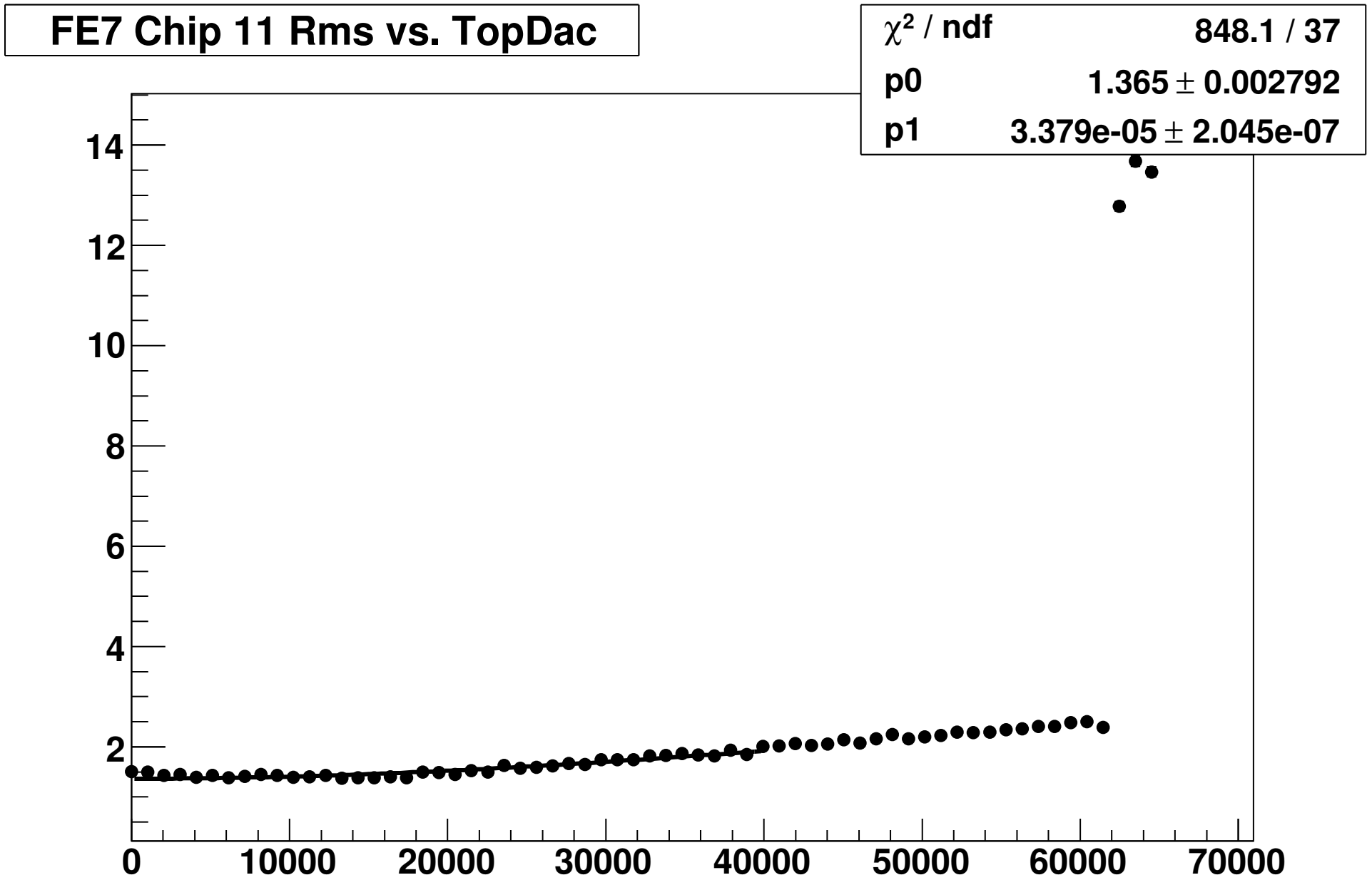

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.252e+05 / 37
p0 12.38 ± 0.005101
p1 0.4488 ± 2.39e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

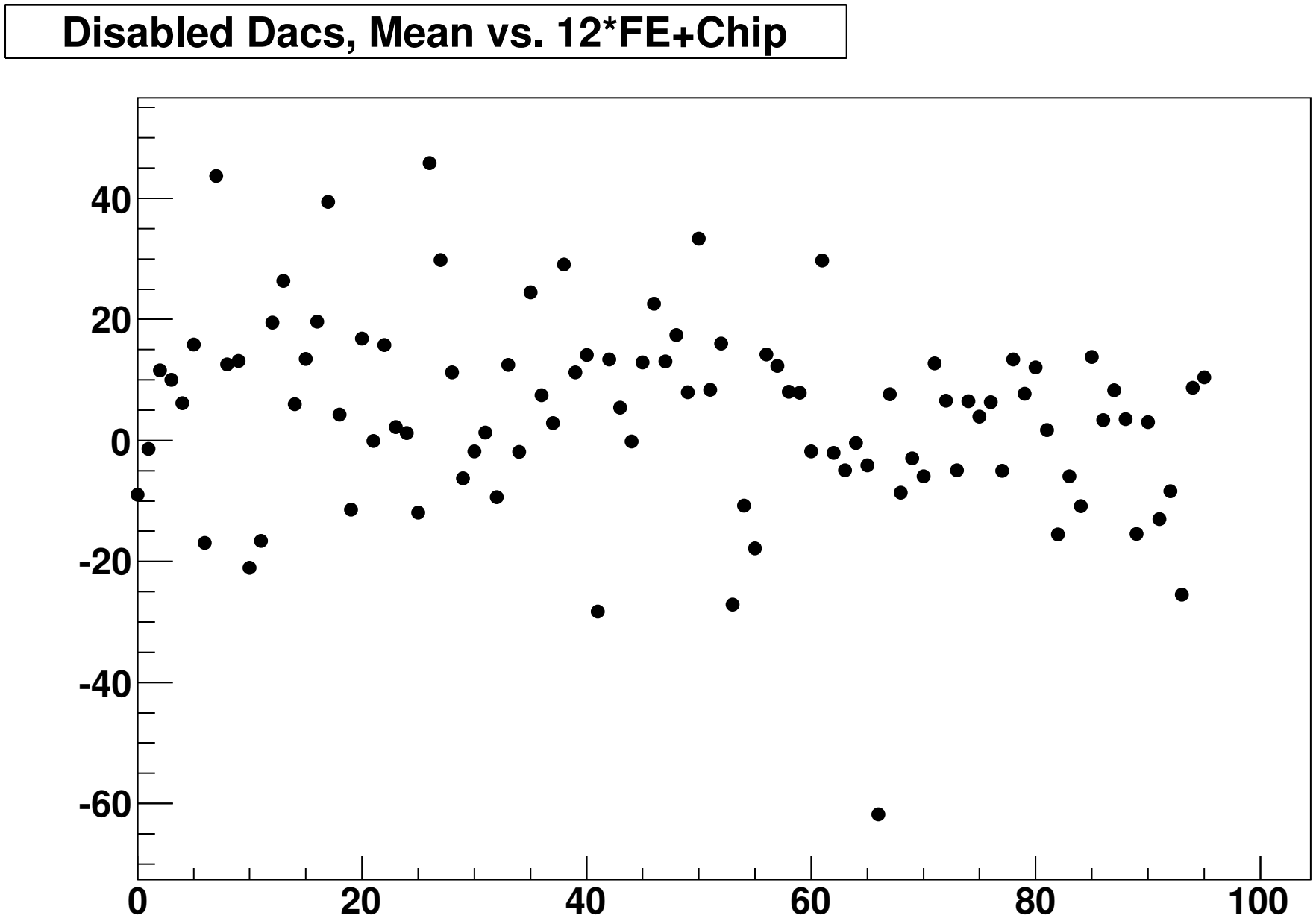

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 859.5 / 37
p0 1.36 ± 0.002781
p1 3.358e-05 ± 2.035e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

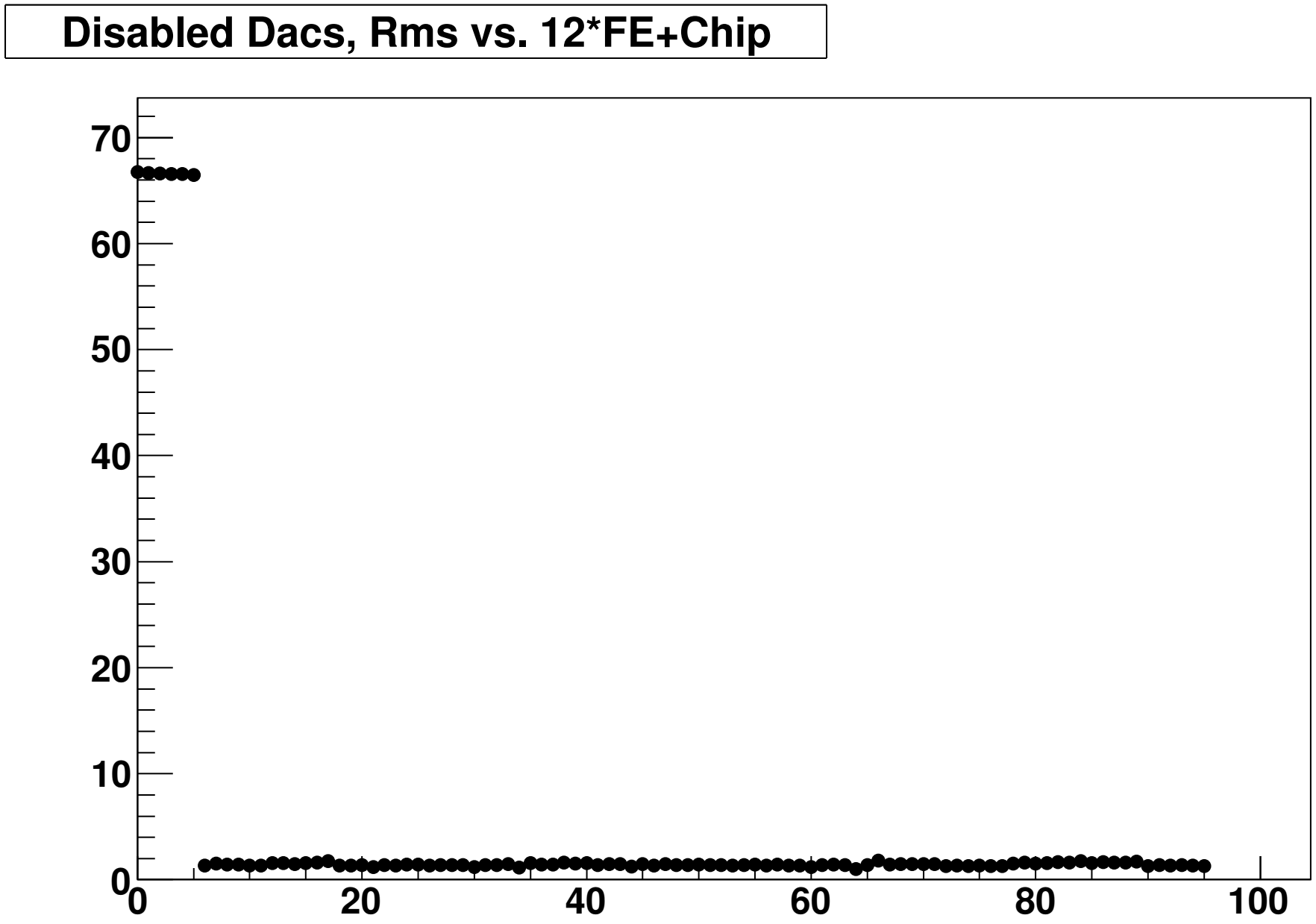

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 5707 / 37
p0 15.72 ± 0.005204
p1 -3.213e-07 ± 2.213e-07
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000

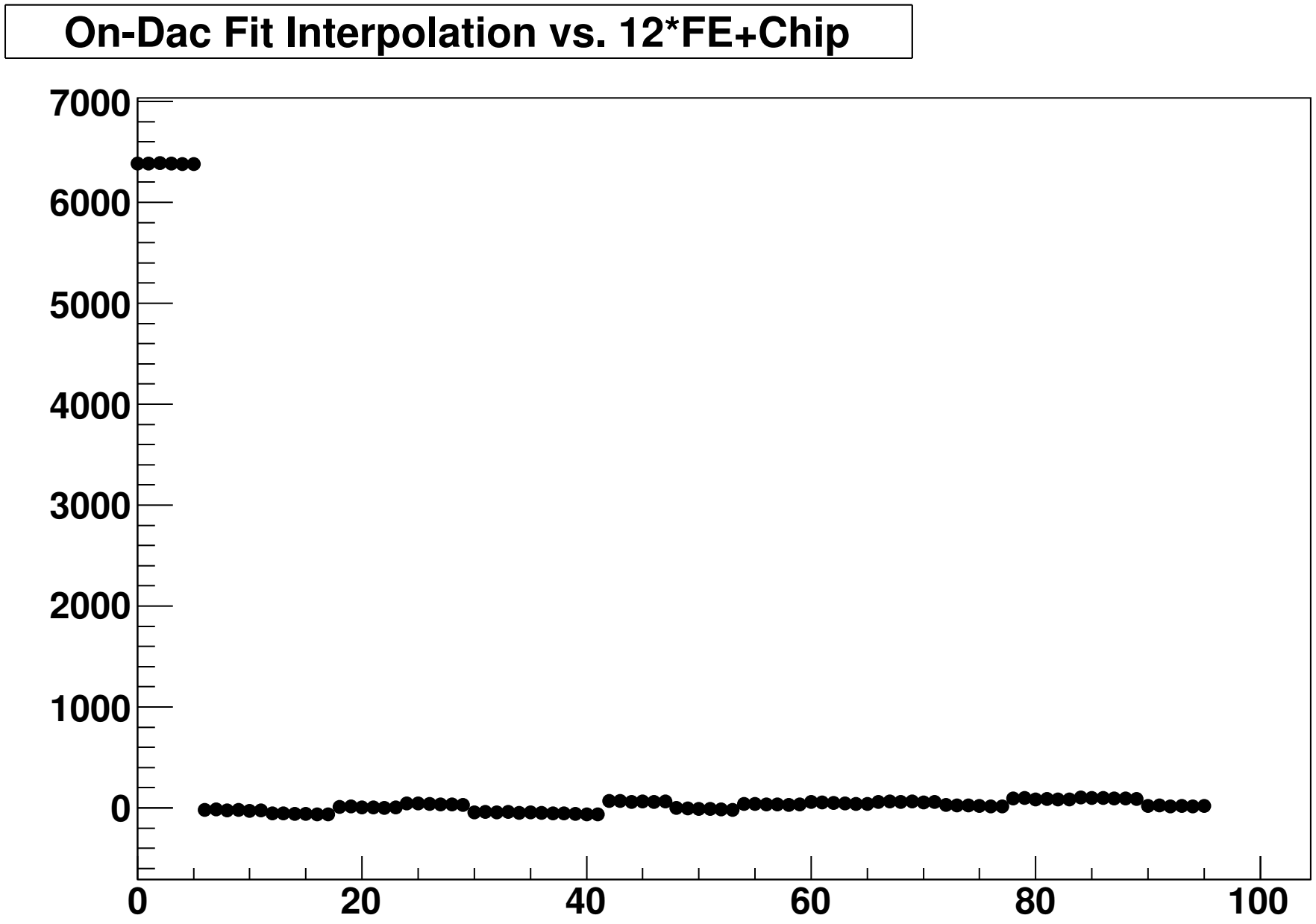

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 57.92 / 37
p0 1.502 ± 0.001811
p1 -3.539e-13 ± 3.025e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

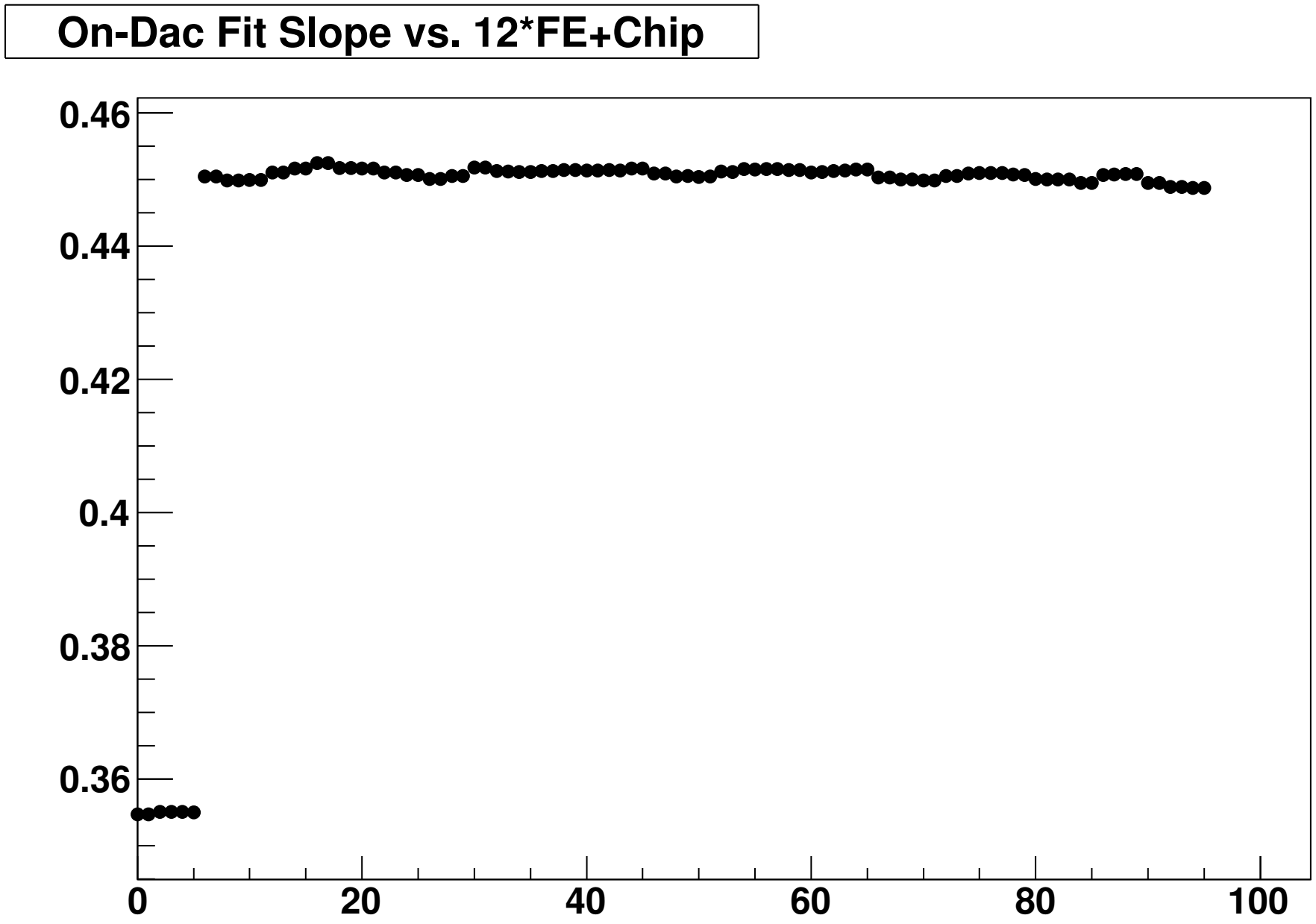

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 8.69e+04 / 37
p0 17.08 ± 0.005109
p1 0.4488 ± 2.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

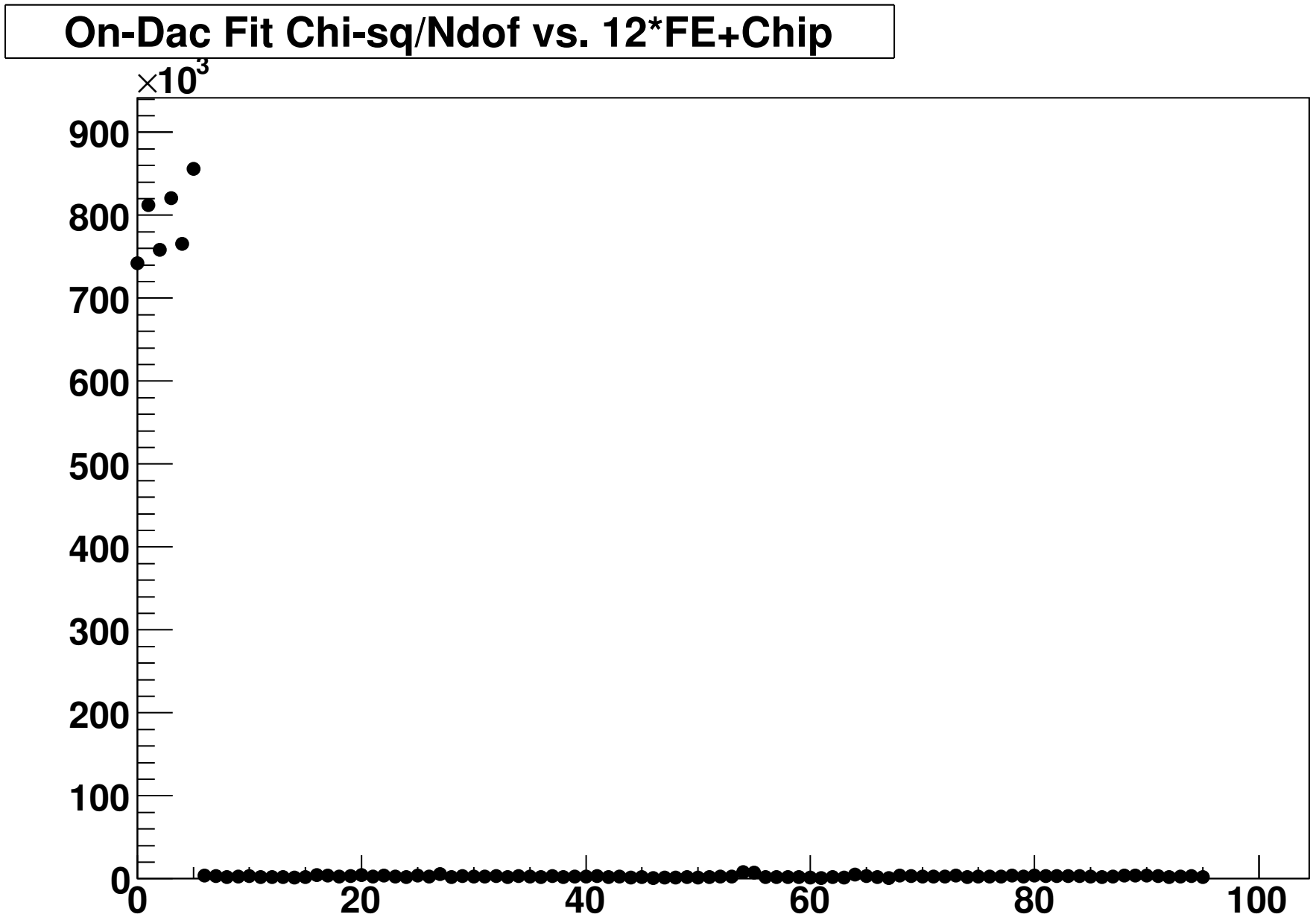

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 848.1 / 37
p0 1.365 ± 0.002792
p1 3.379e-05 ± 2.045e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

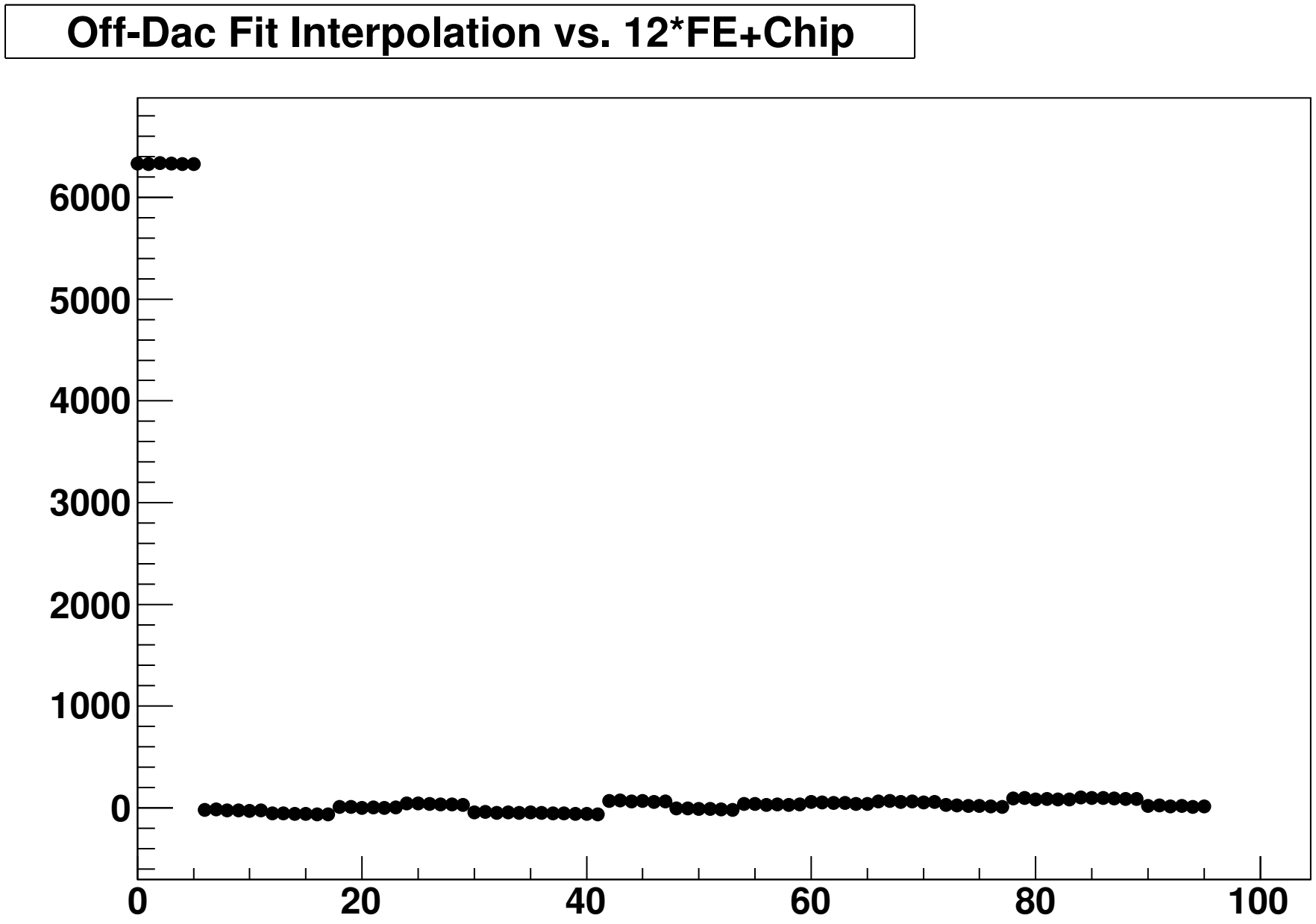

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
-60
0
20
40
60
80
100

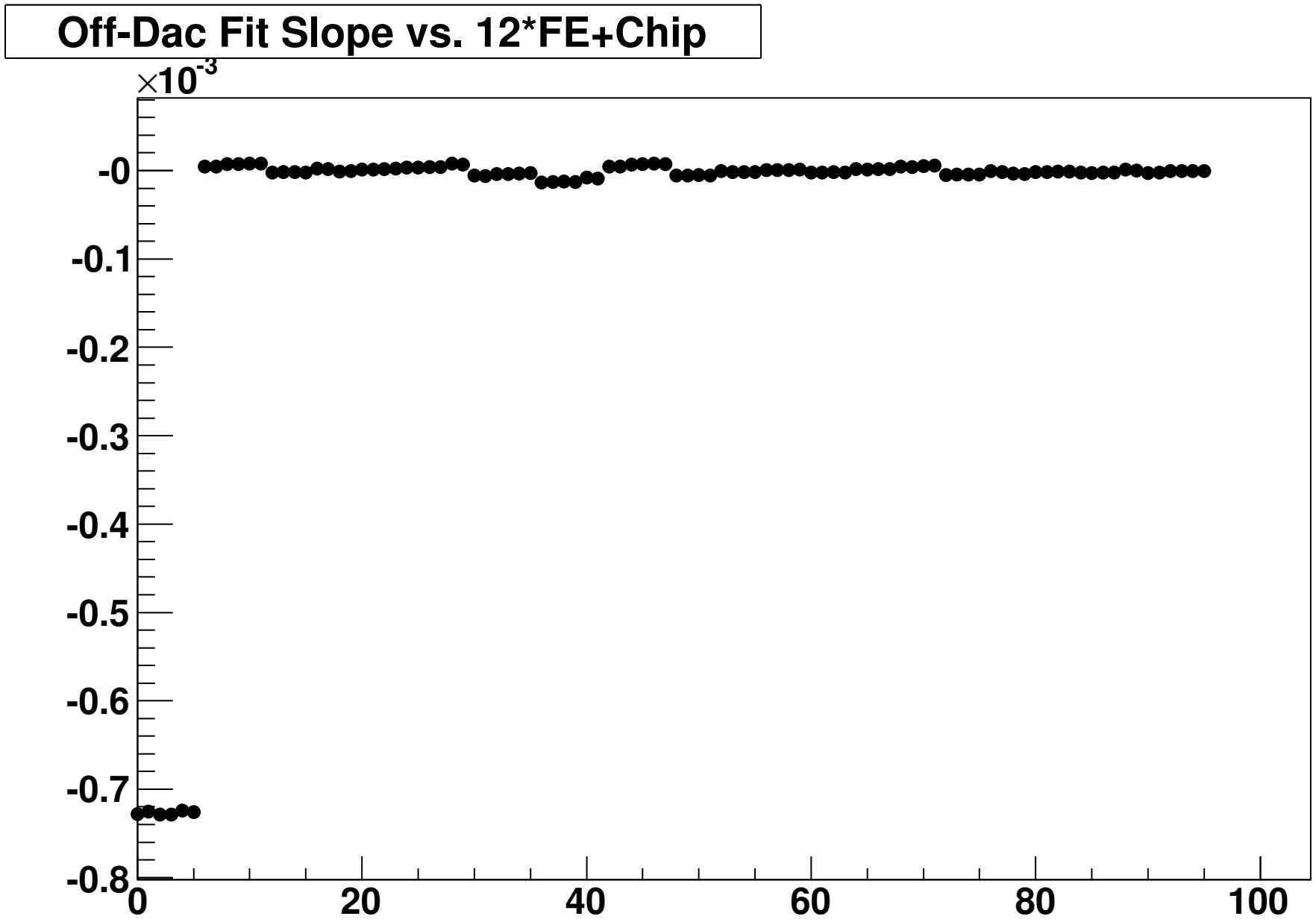

Disabled Dacs, Rms vs. 12*FE+Chip
70
60
50
40
30
20
10
0
0
20
40
60
80
100

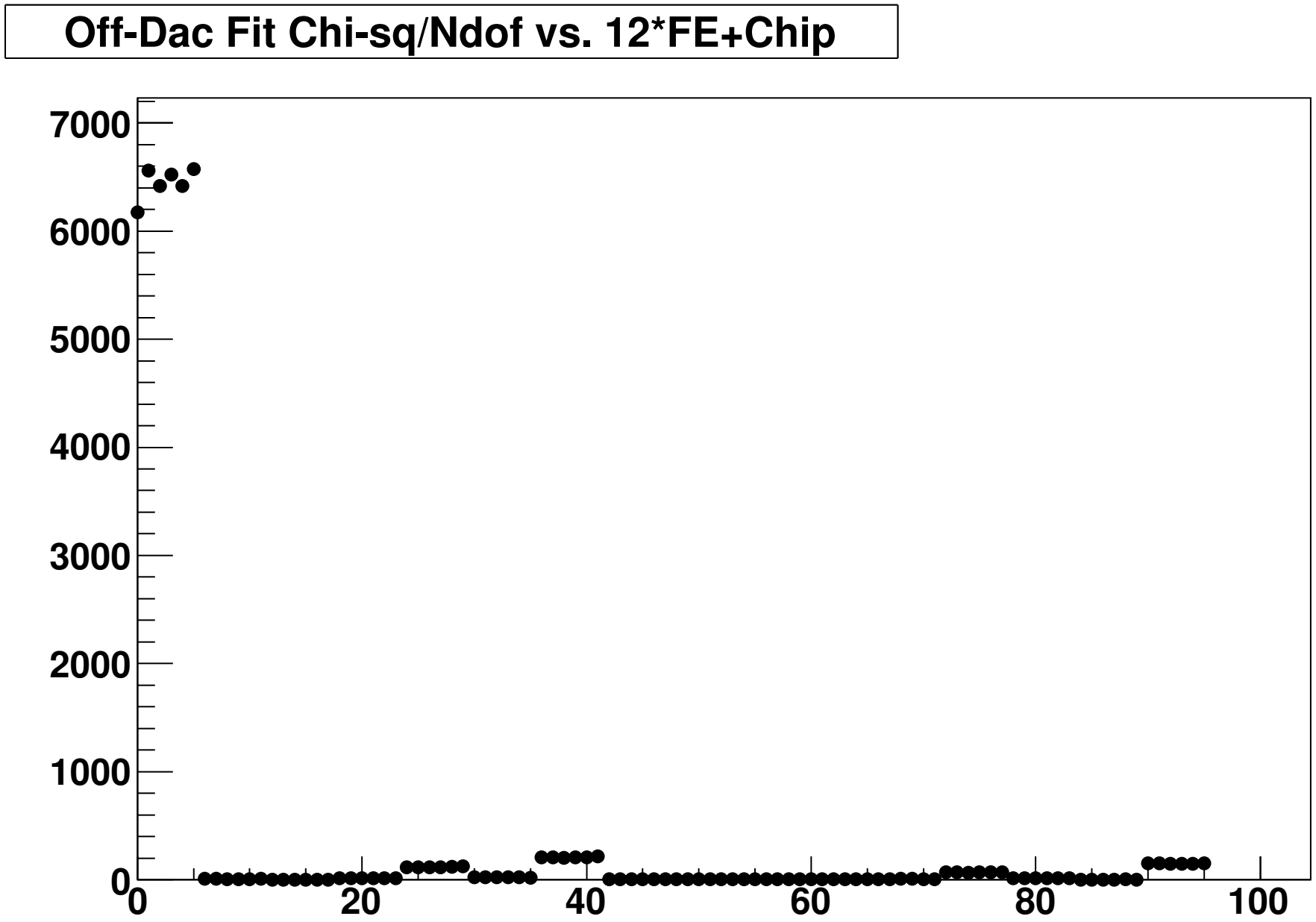

On-Dac Fit Interpolation vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

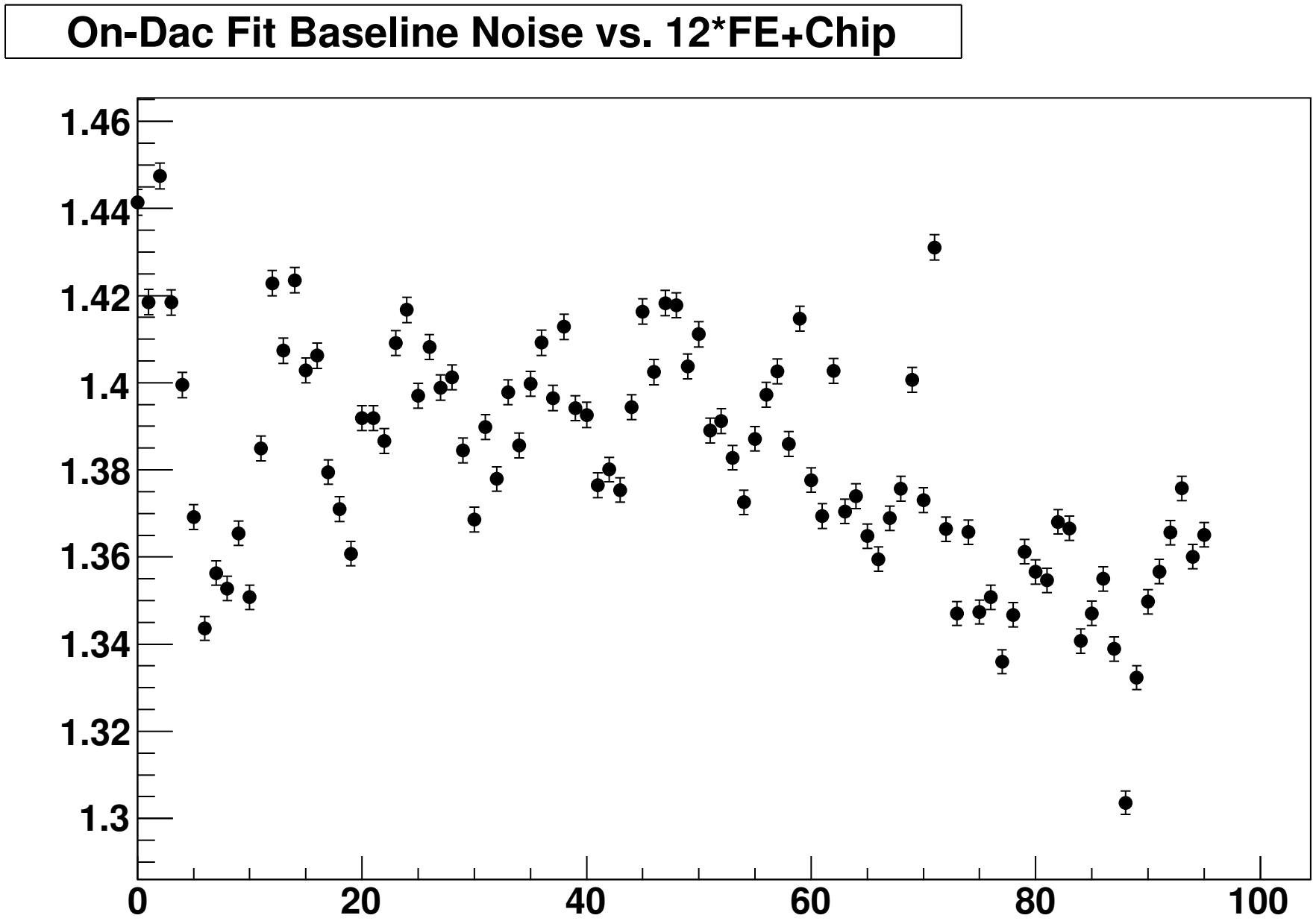

On-Dac Fit Slope vs. 12*FE+Chip
0.46
0.44
0.42
0.4
0.38
0.36
0
20
40
60
80
100

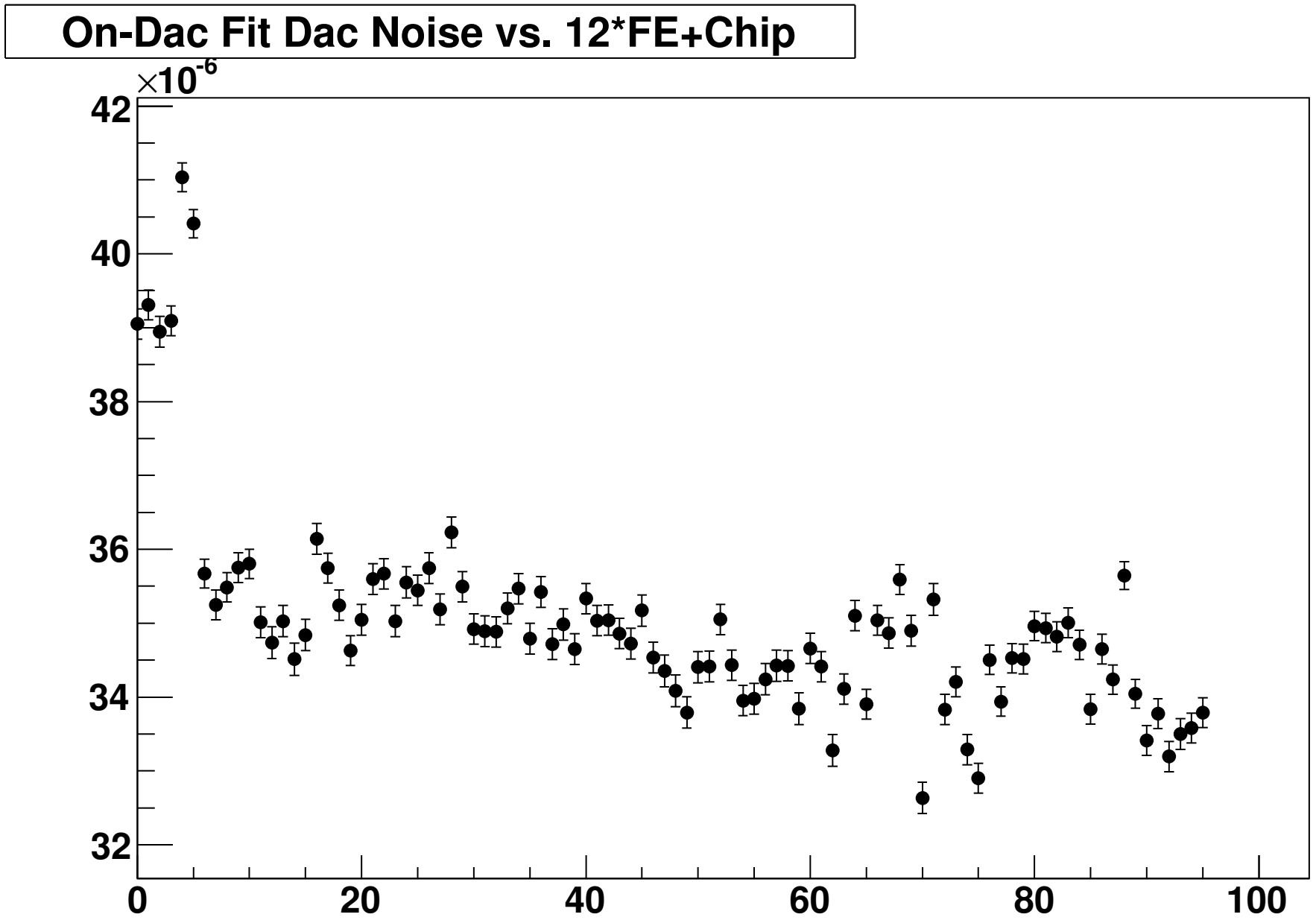

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
900
800
700
600
500
400
300
200
100
0
0
20
40
60
80
100

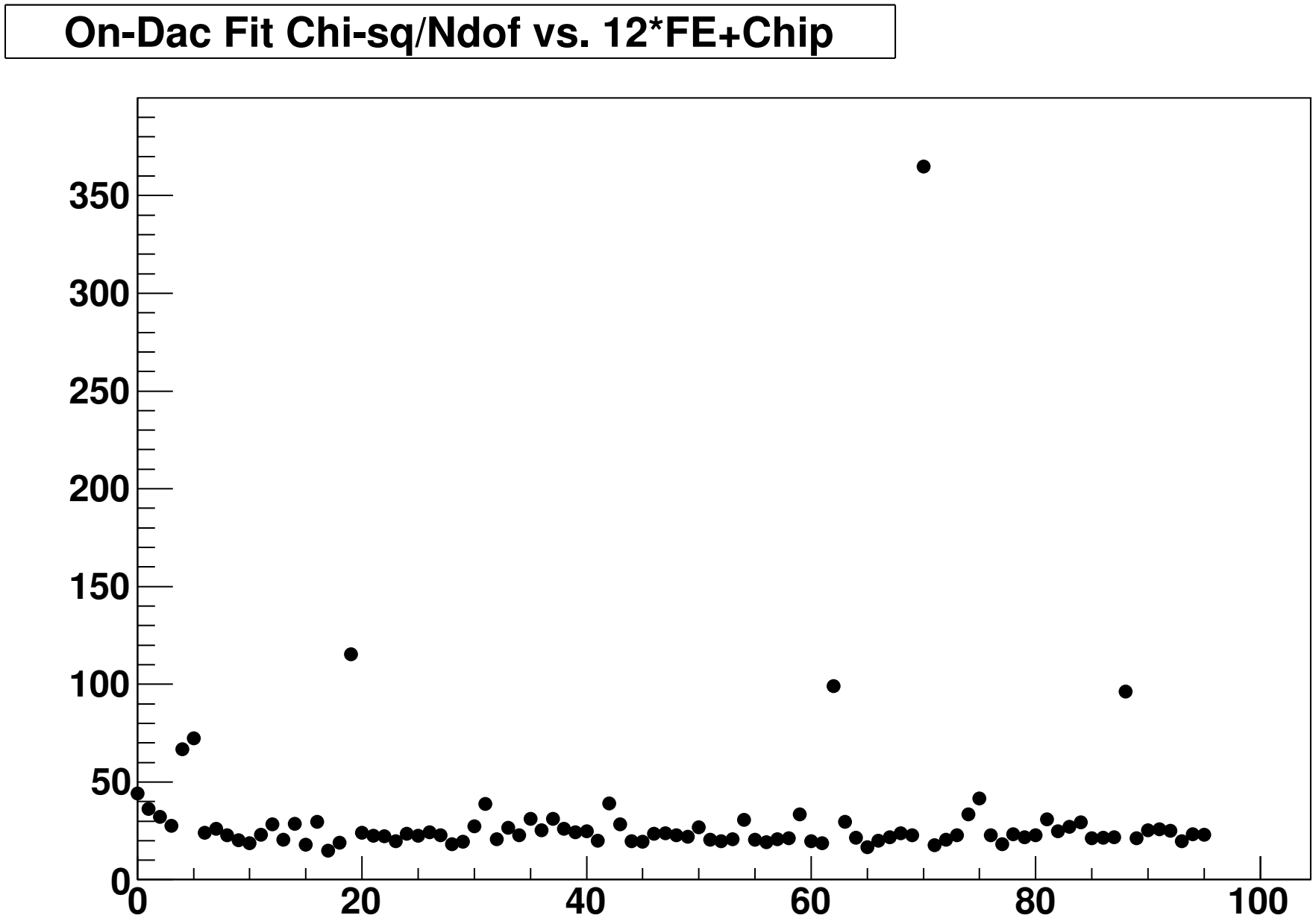

Off-Dac Fit Interpolation vs. 12*FE+Chip
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

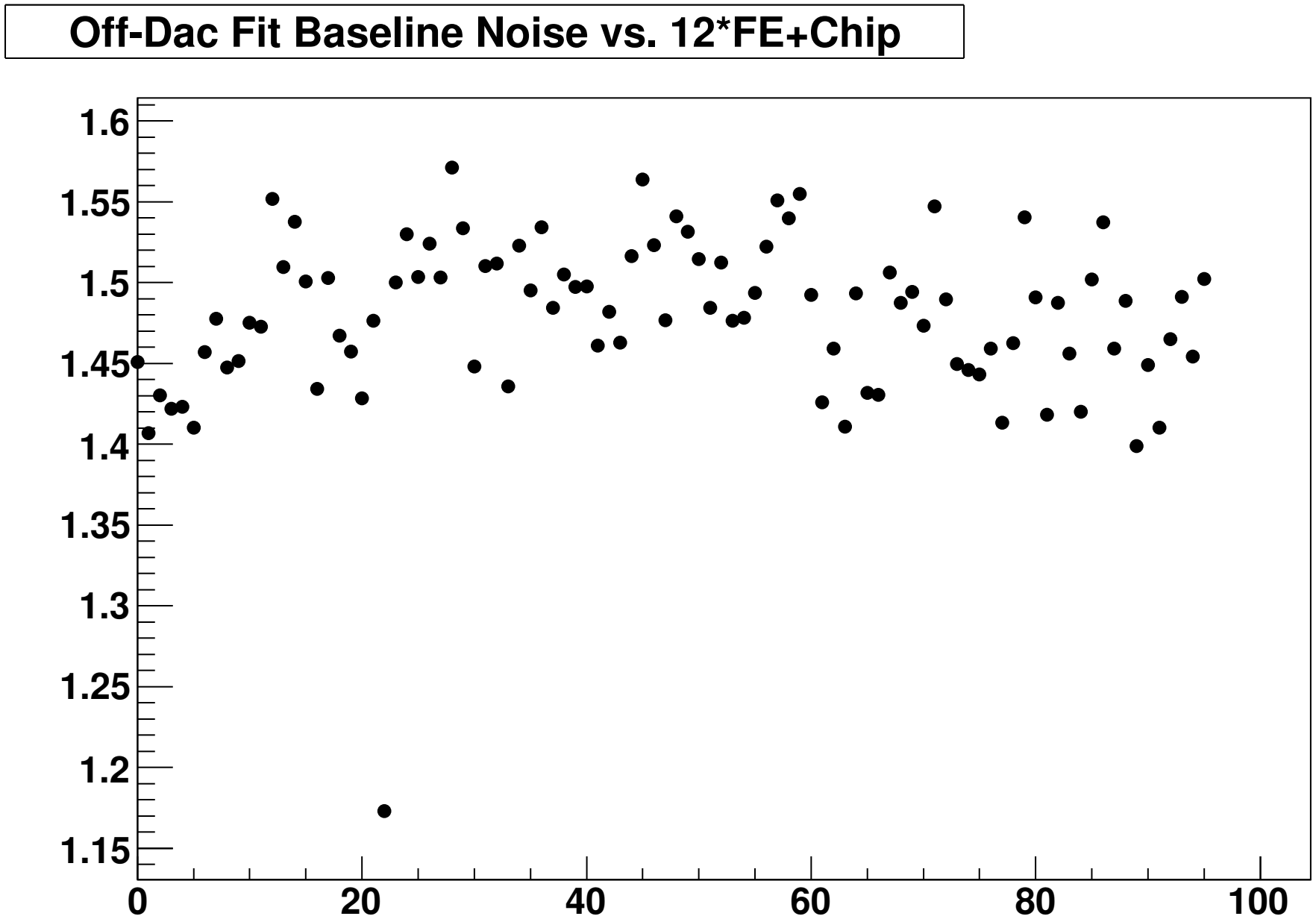

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-3
-0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-0.7
-0.8
0
20
40
60
80
100

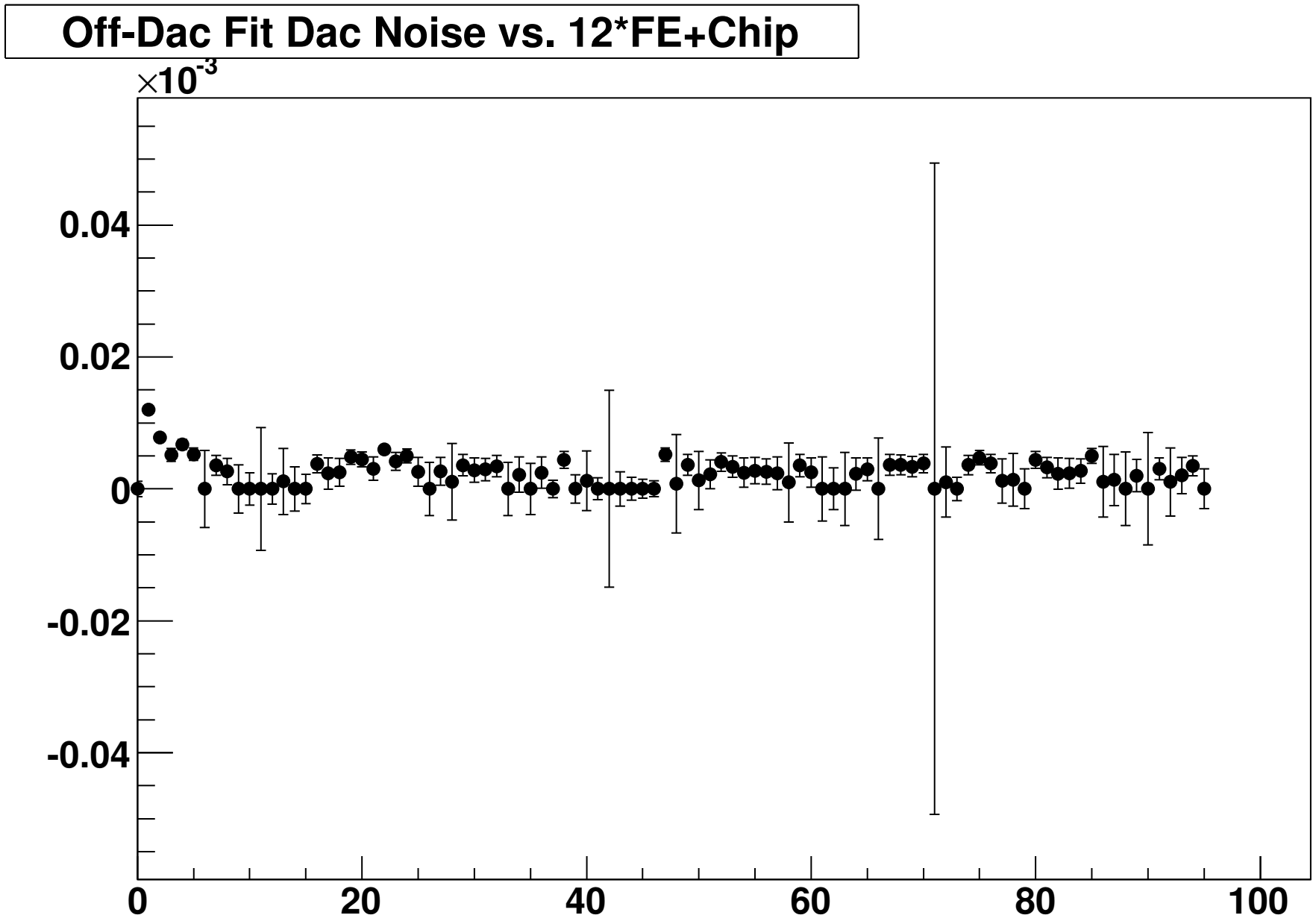

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

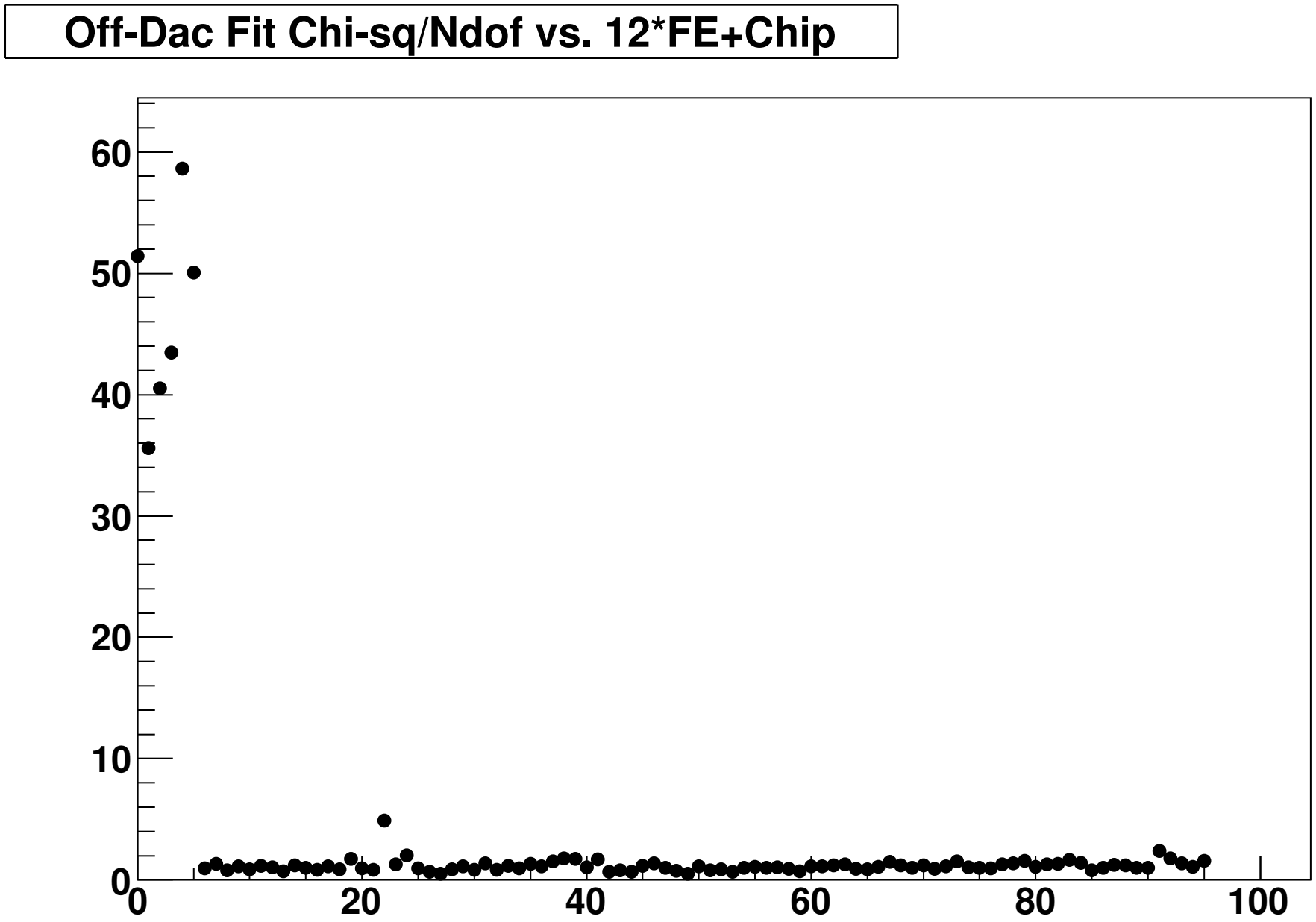

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.46
1.44
1.42
1.4
1.38
1.36
1.34
1.32
1.3
0
20
40
60
80
100

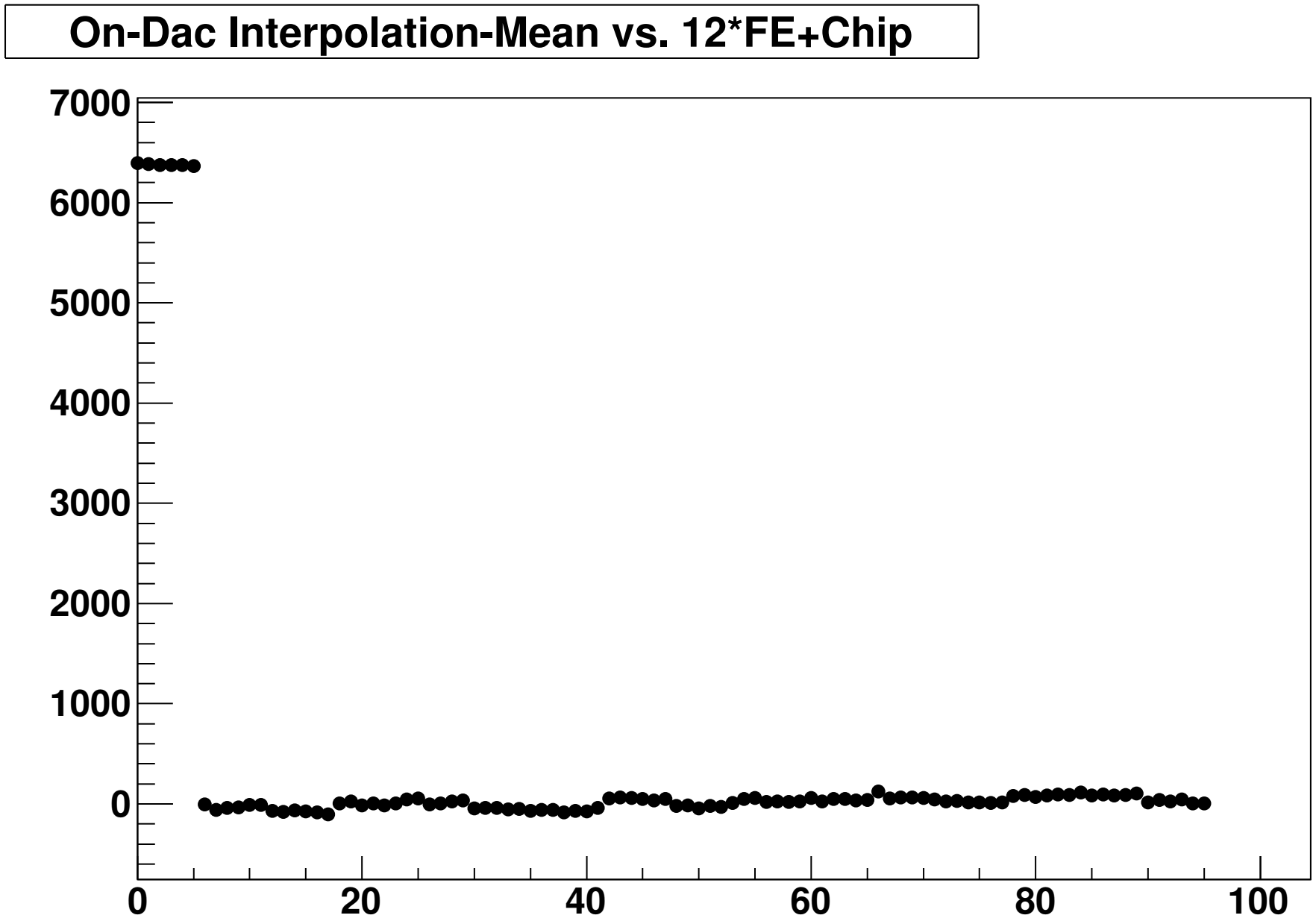

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
42
40
38
36
34
32
0
20
40
60
80
100

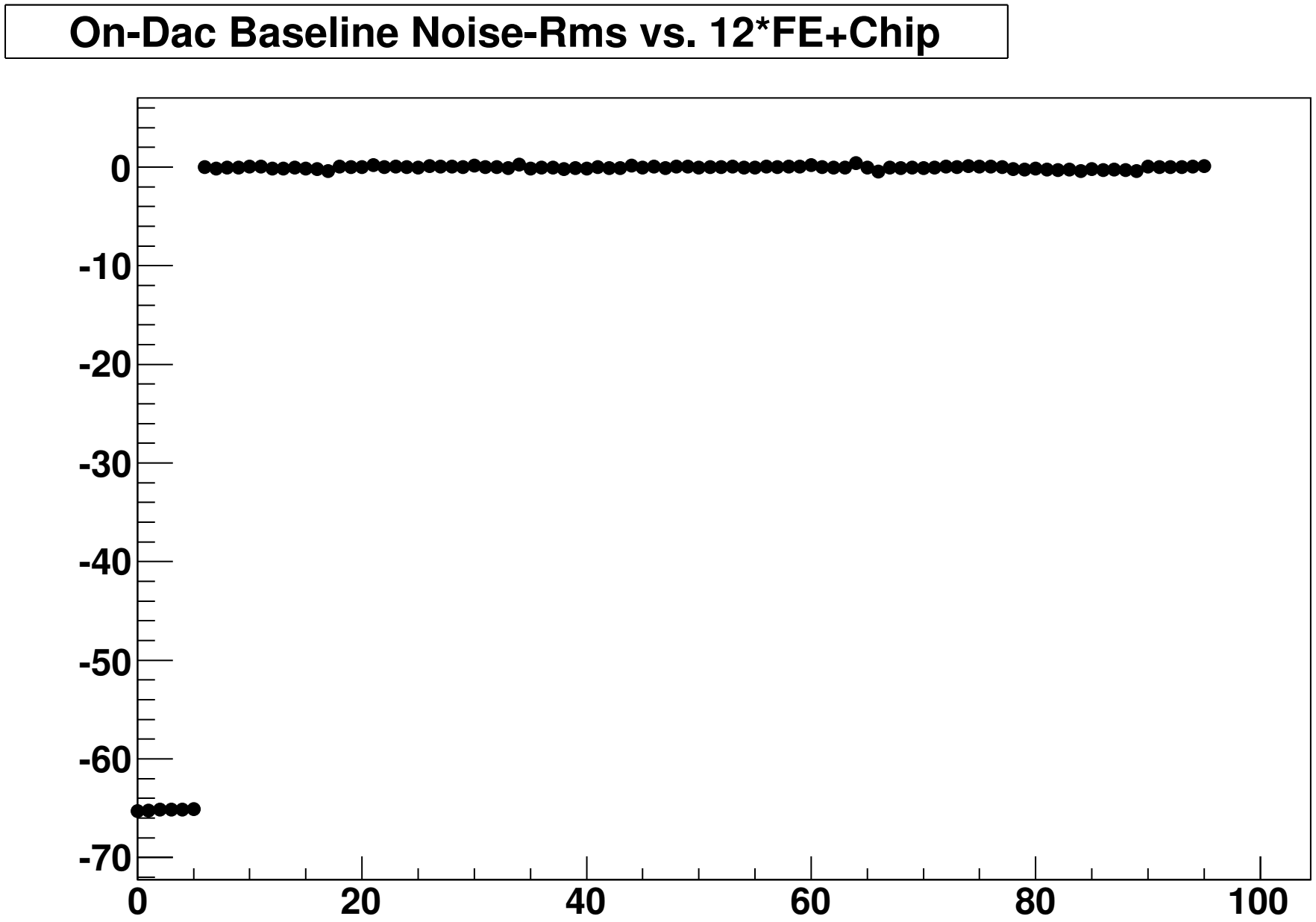

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
350
300
250
200
150
100
50
0
0
20
40
60
80
100

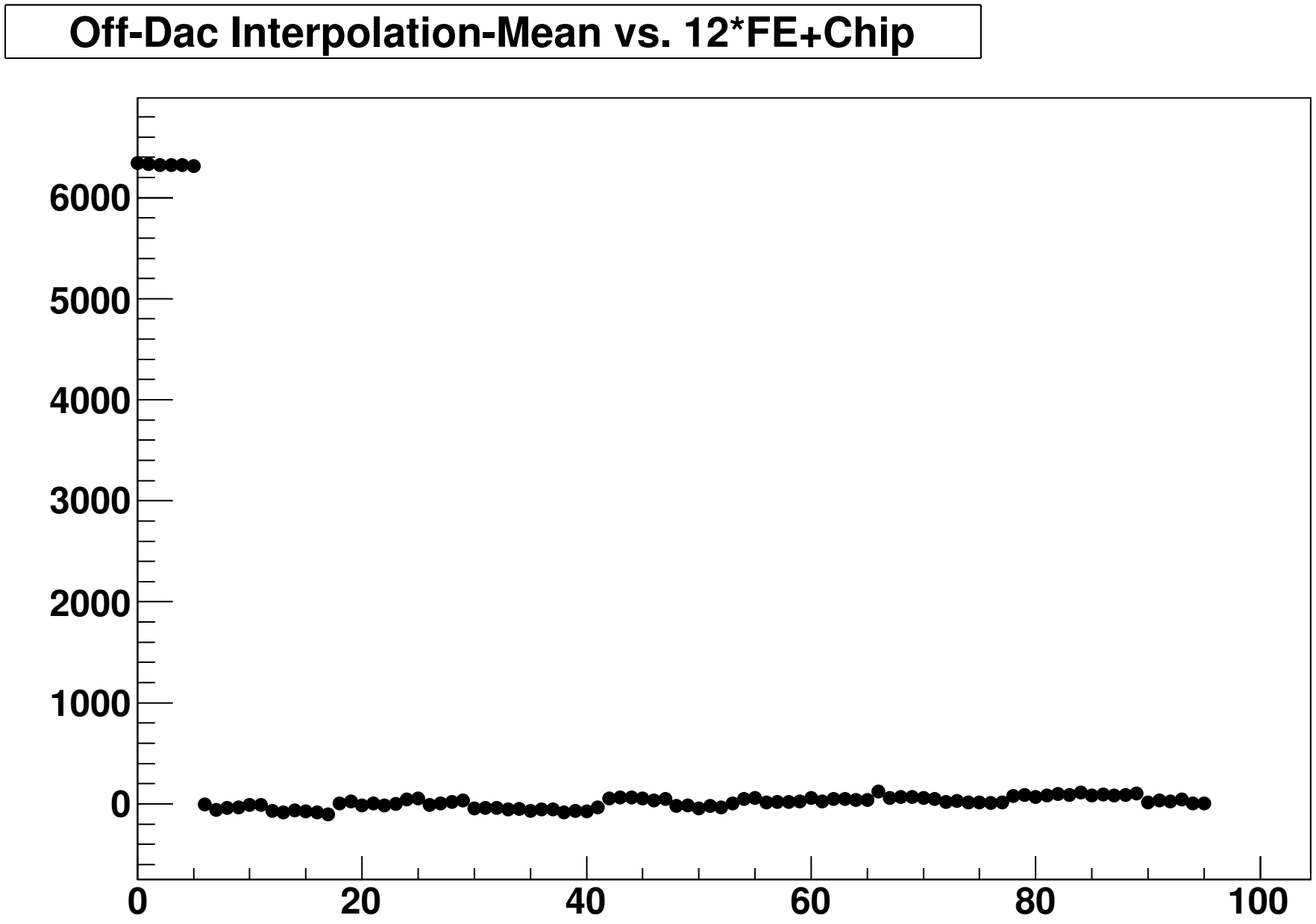

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.55
1.5
1.45
1.4
1.35
1.3
1.25
1.2
1.15
0
20
40
60
80
100

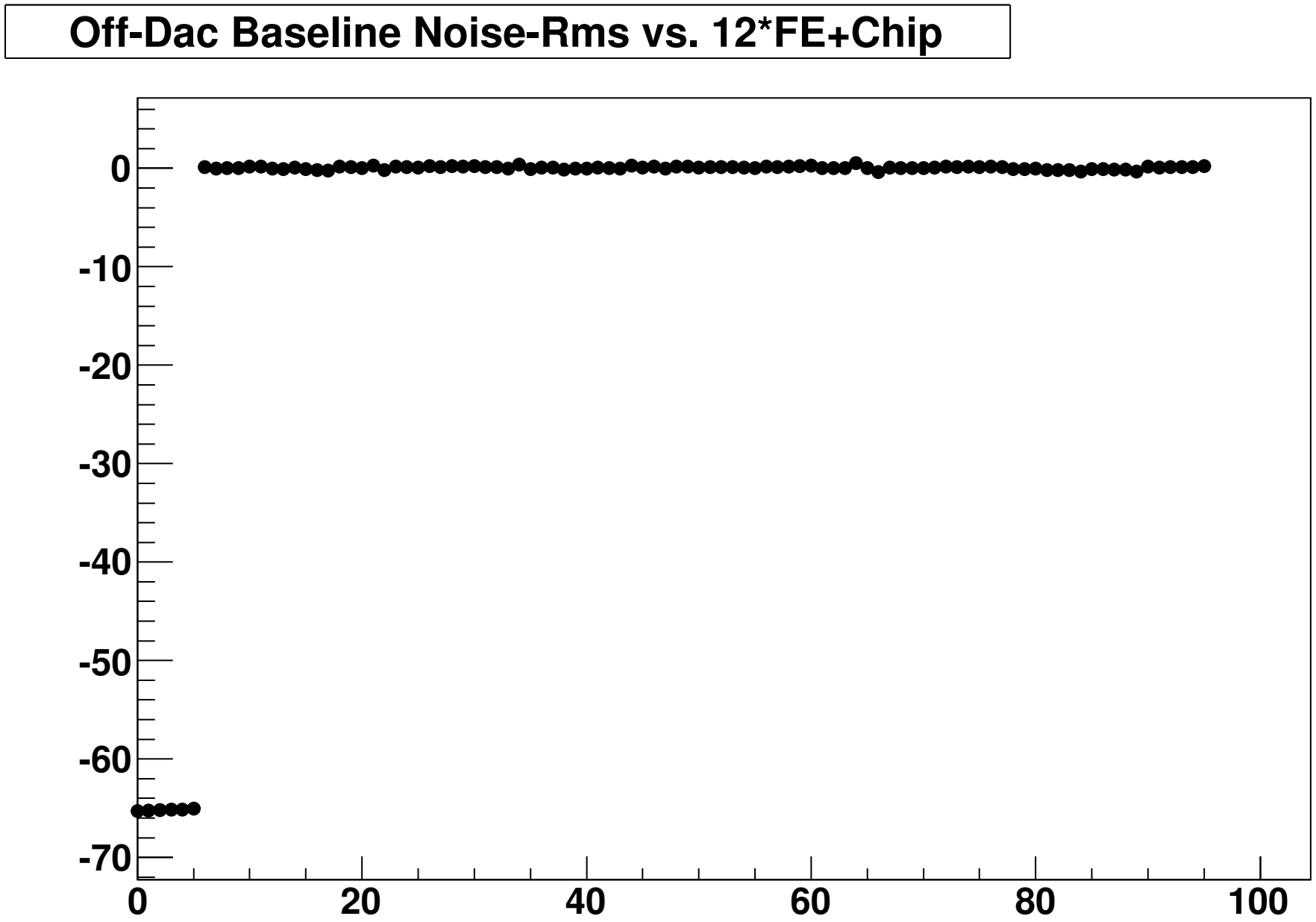

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-10
-20
-30
-40
-50
-60
-70
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-10
-20
-30
-40
-50
-60
-70
0
20
40
60
80
100