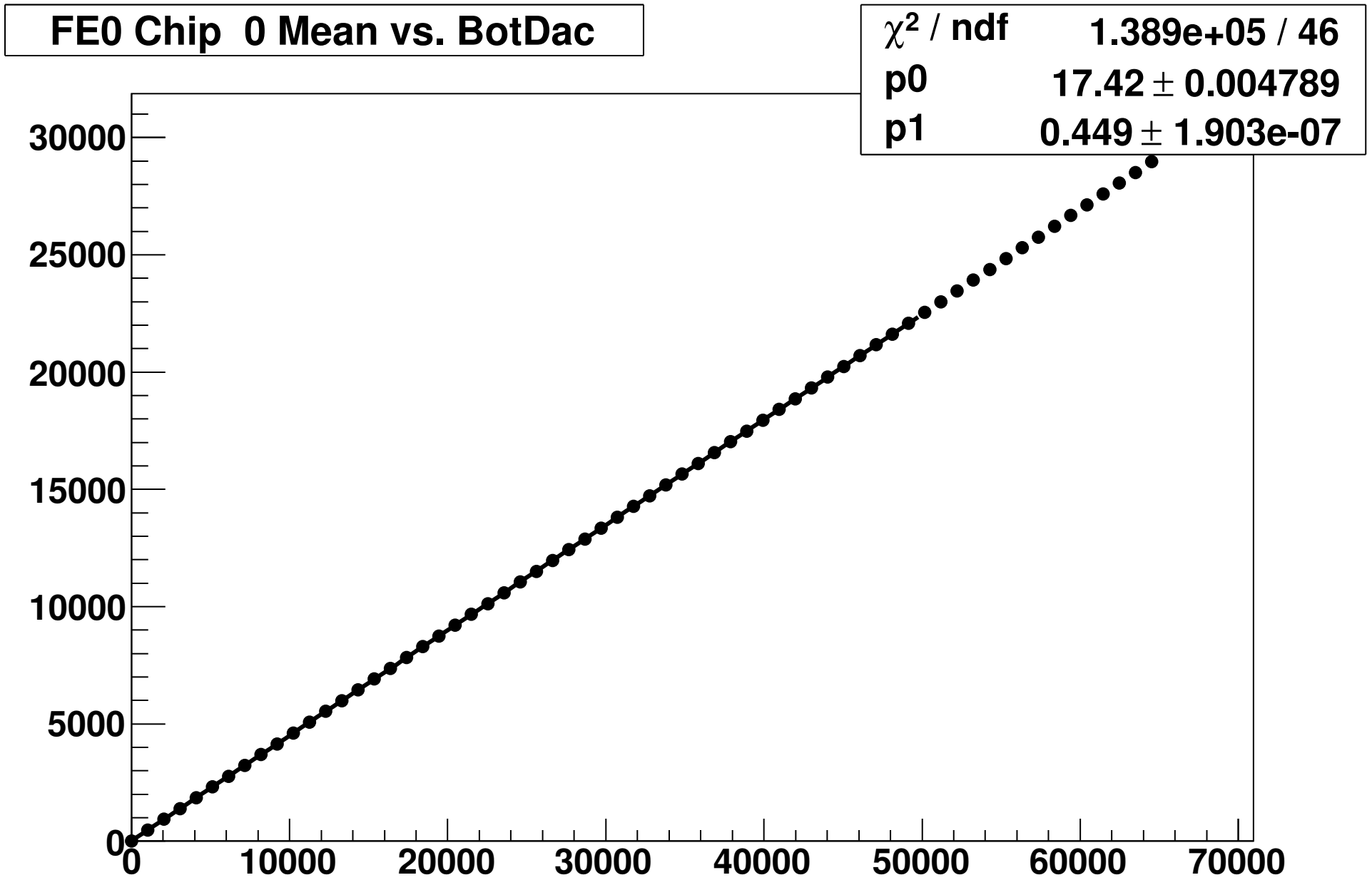
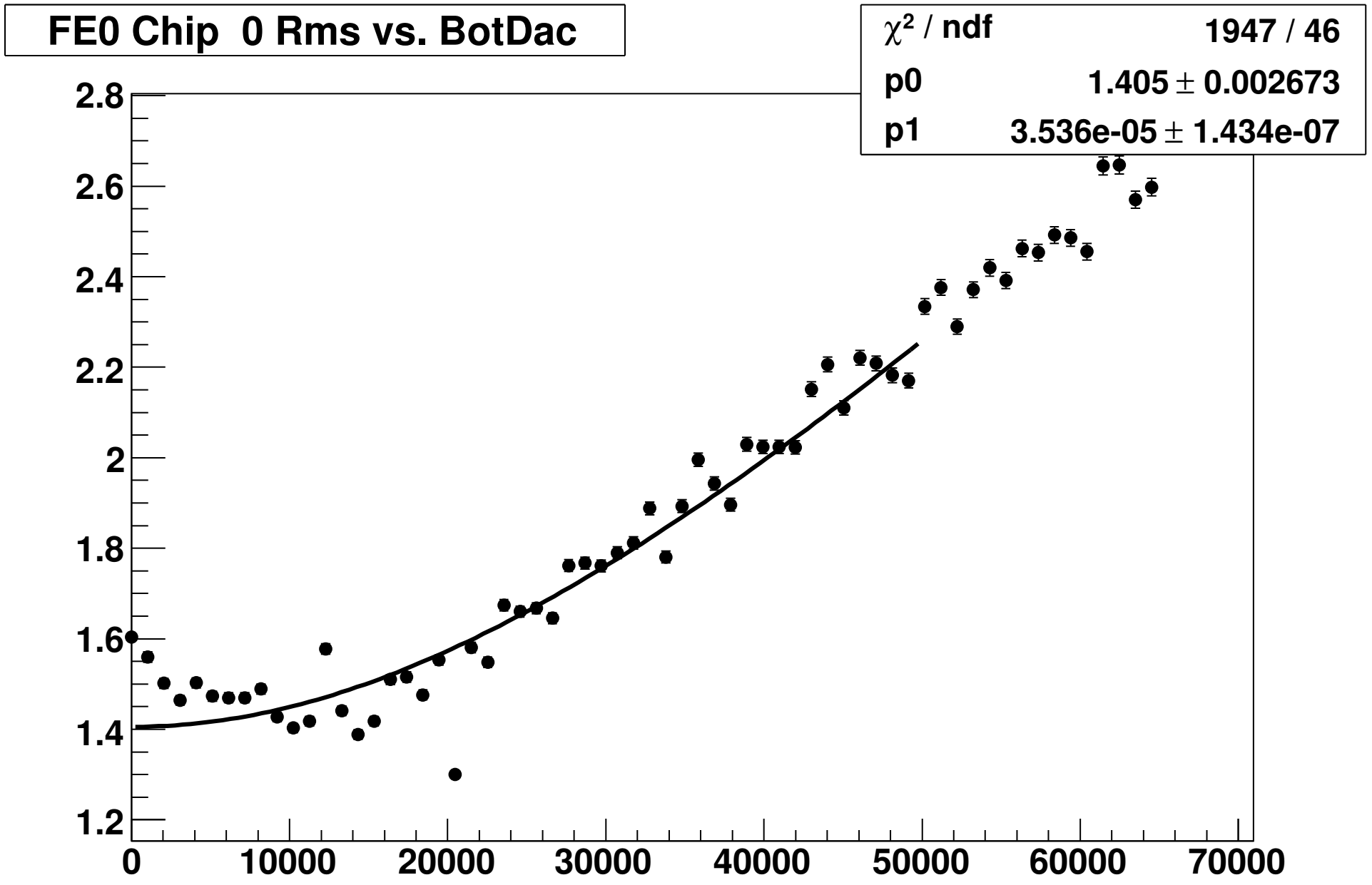

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.389e+05 / 46
p0 17.42 ± 0.004789
p1 0.449 ± 1.903e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1947 / 46
p0 1.405 ± 0.002673
p1 3.536e-05 ± 1.434e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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20000
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60000
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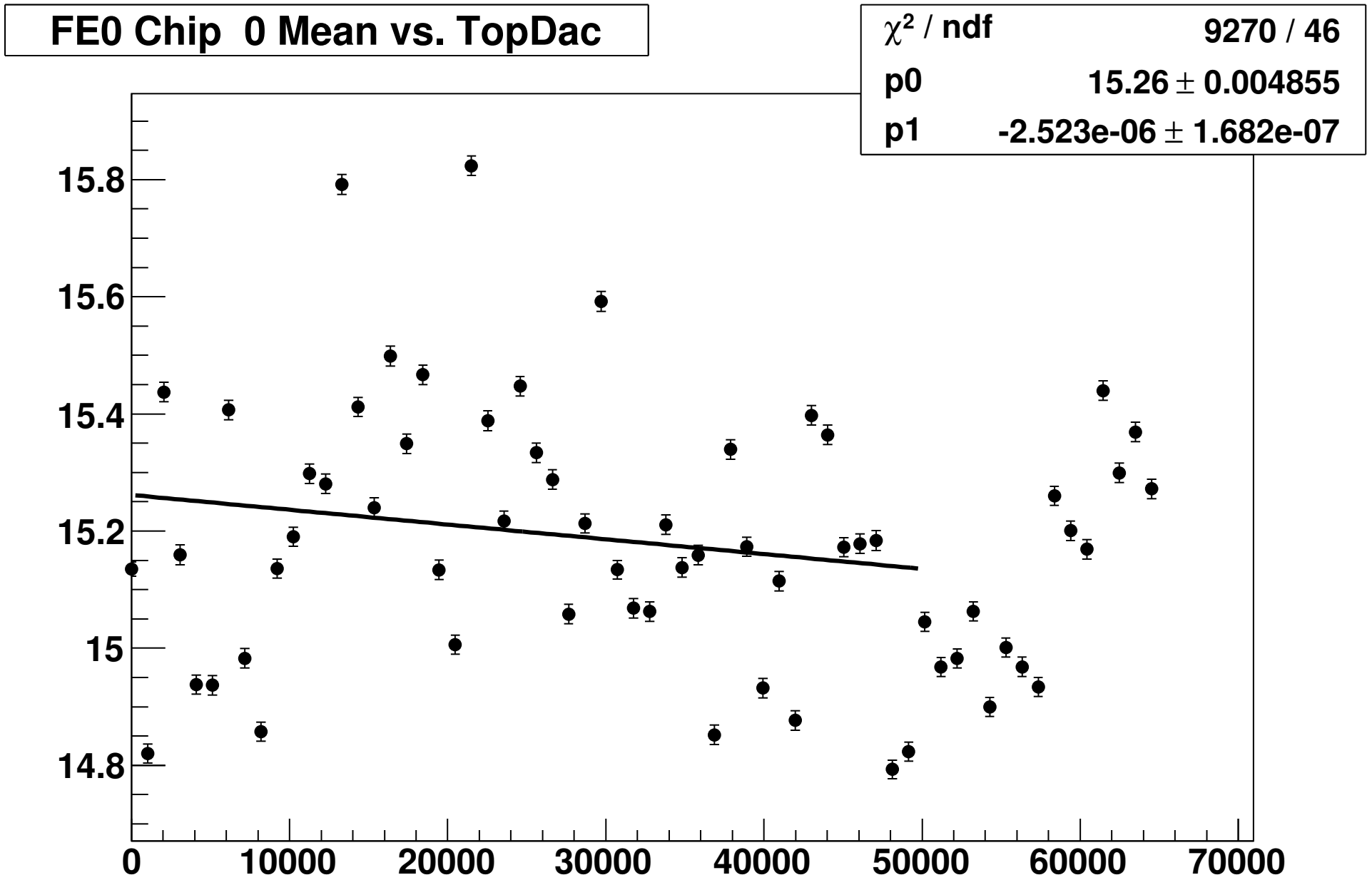
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 9270 / 46
p0 15.26 ± 0.004855
p1 -2.523e-06 ± 1.682e-07
15.8
15.6
15.4
15.2
15
14.8
0
10000
20000
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50000
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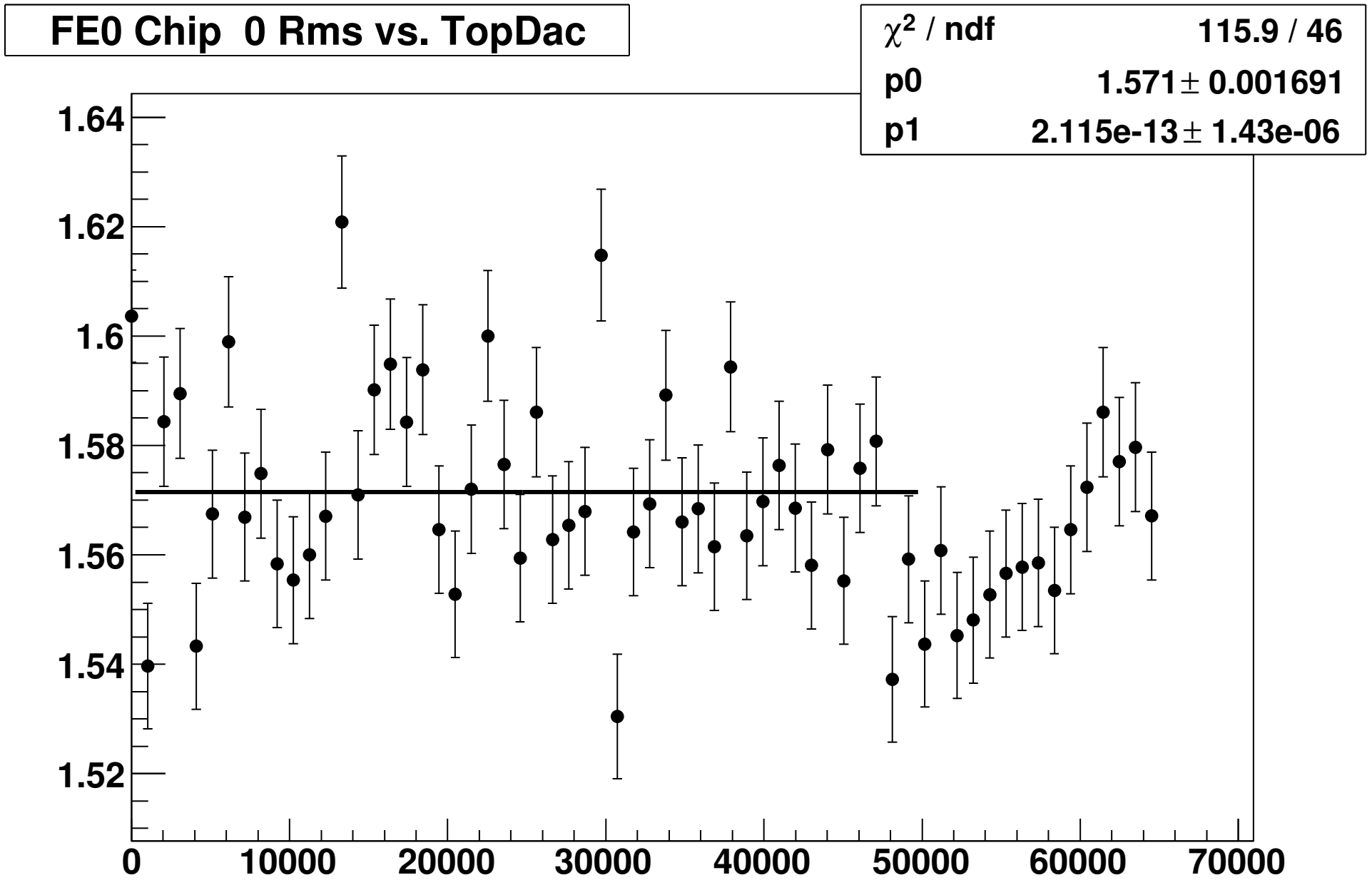
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 115.9 / 46
p0 1.571 ± 0.001691
p1 2.115e-13 ± 1.43e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
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20000
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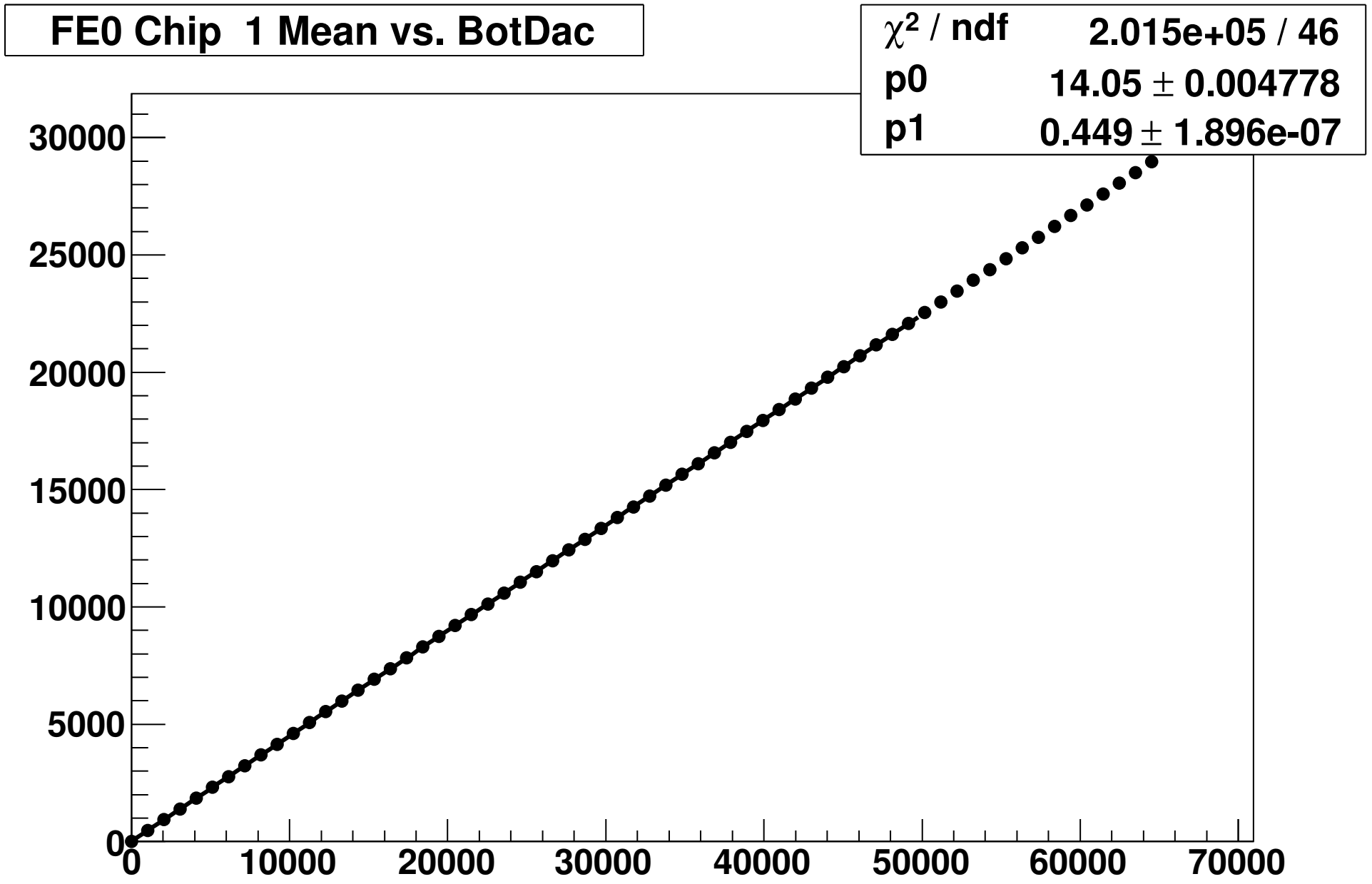
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 2.015e+05 / 46
p0 14.05 ± 0.004778
p1 0.449 ± 1.896e-07
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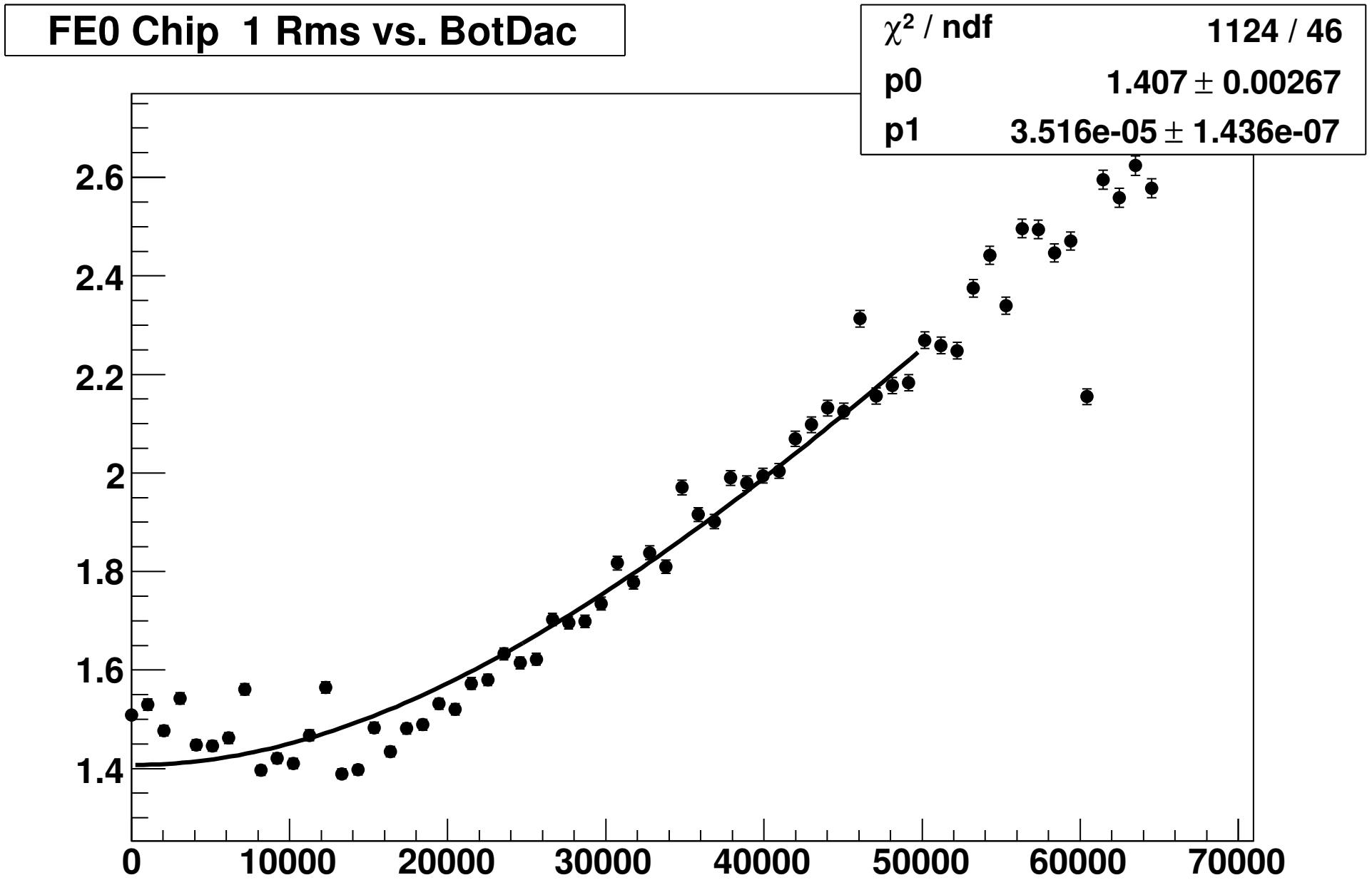
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 1124 / 46
p0 1.407 ± 0.00267
p1 3.516e-05 ± 1.436e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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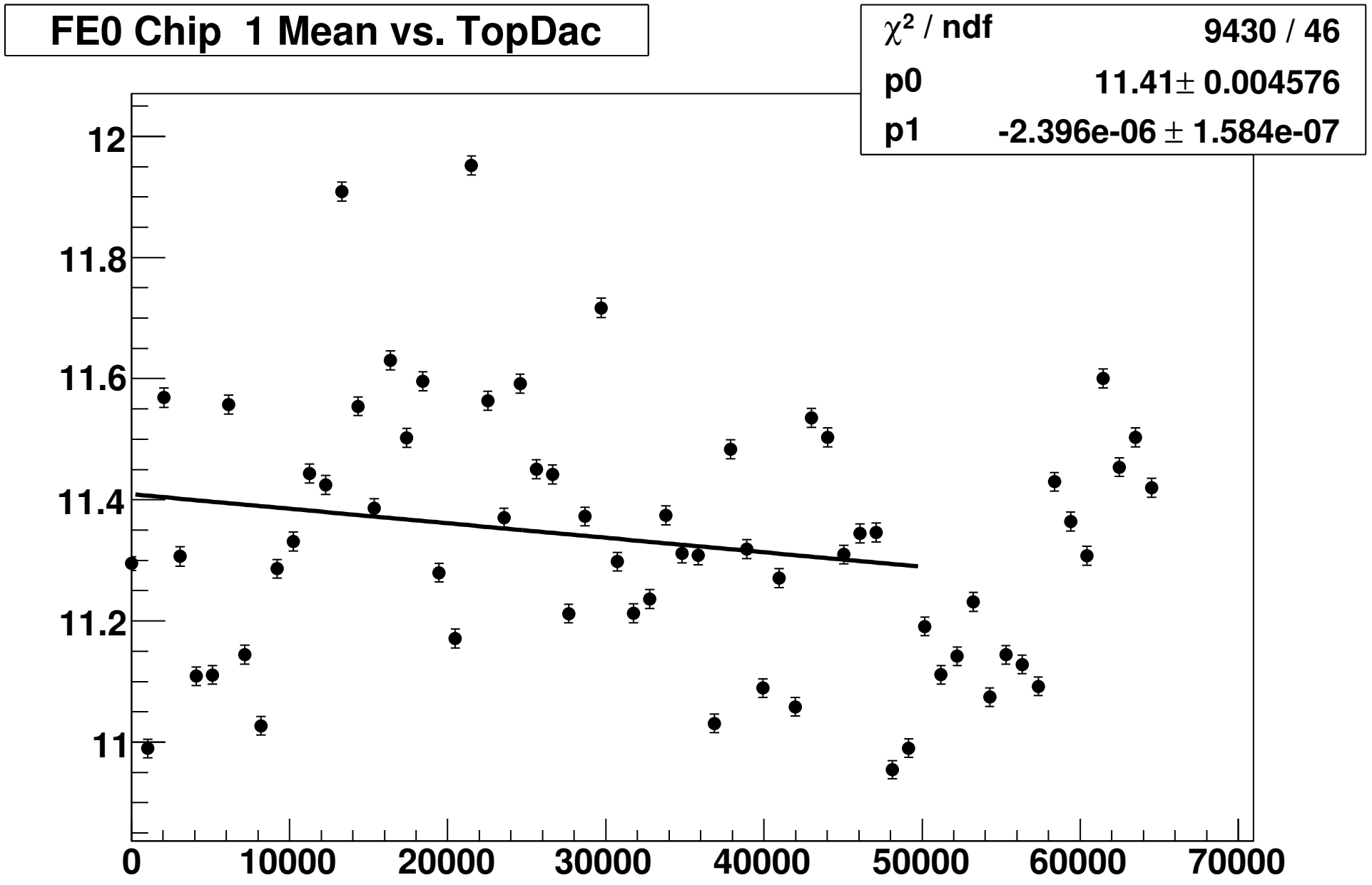
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 9430 / 46
p0 11.41 ± 0.004576
p1 -2.396e-06 ± 1.584e-07
12
11.8
11.6
11.4
11.2
11
0
10000
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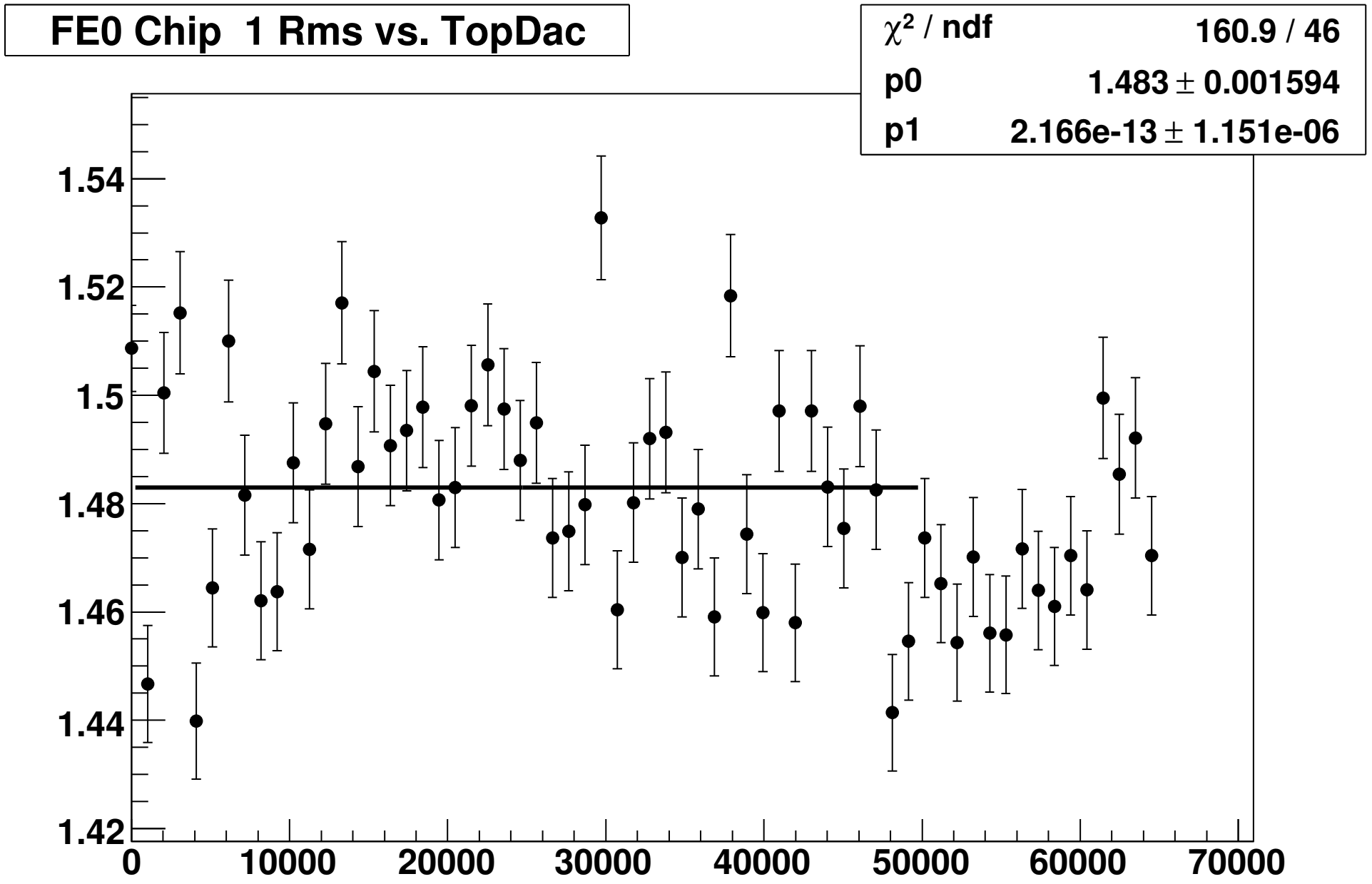
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 160.9 / 46
p0 1.483 ± 0.001594
p1 2.166e-13 ± 1.151e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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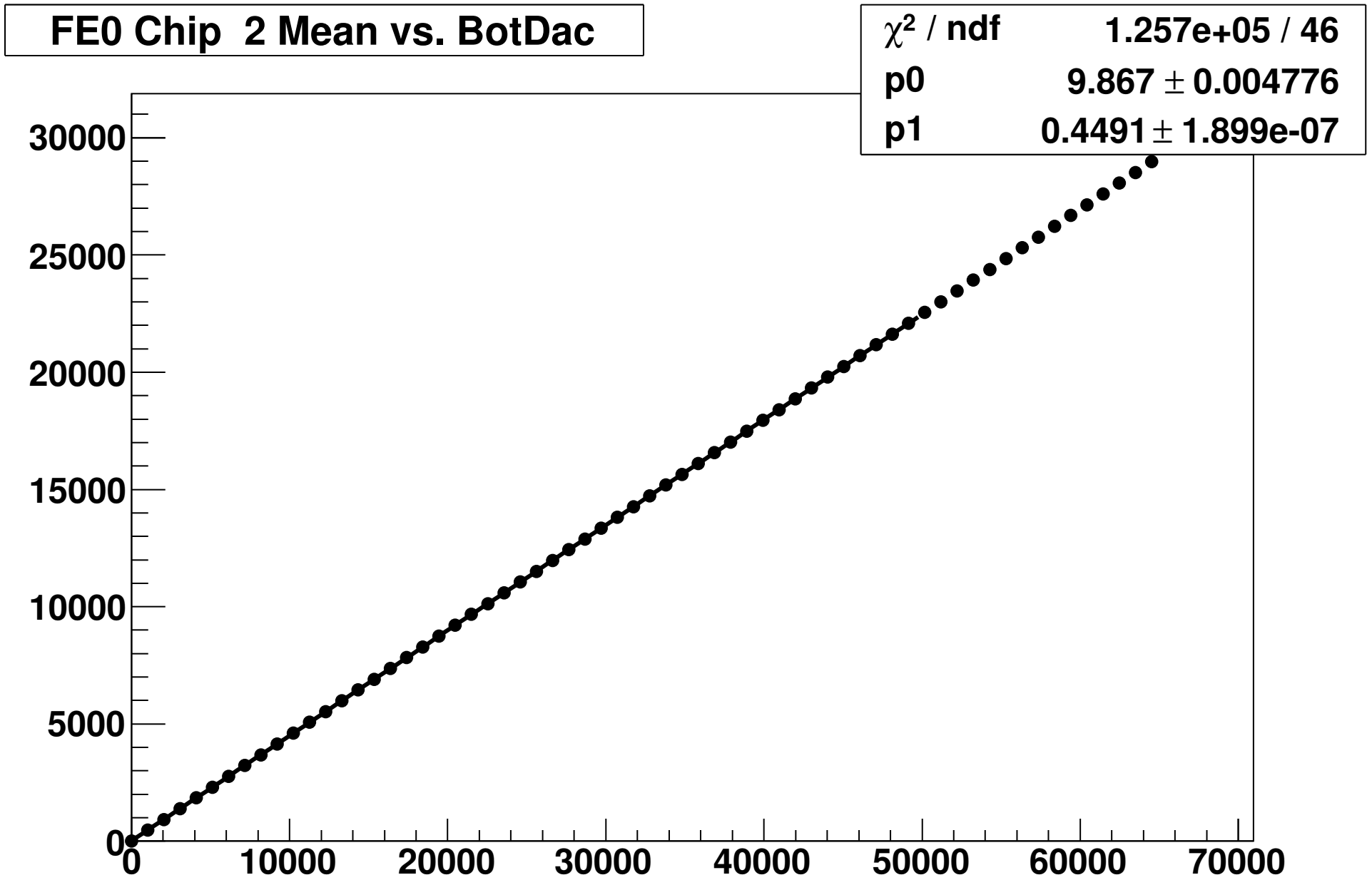
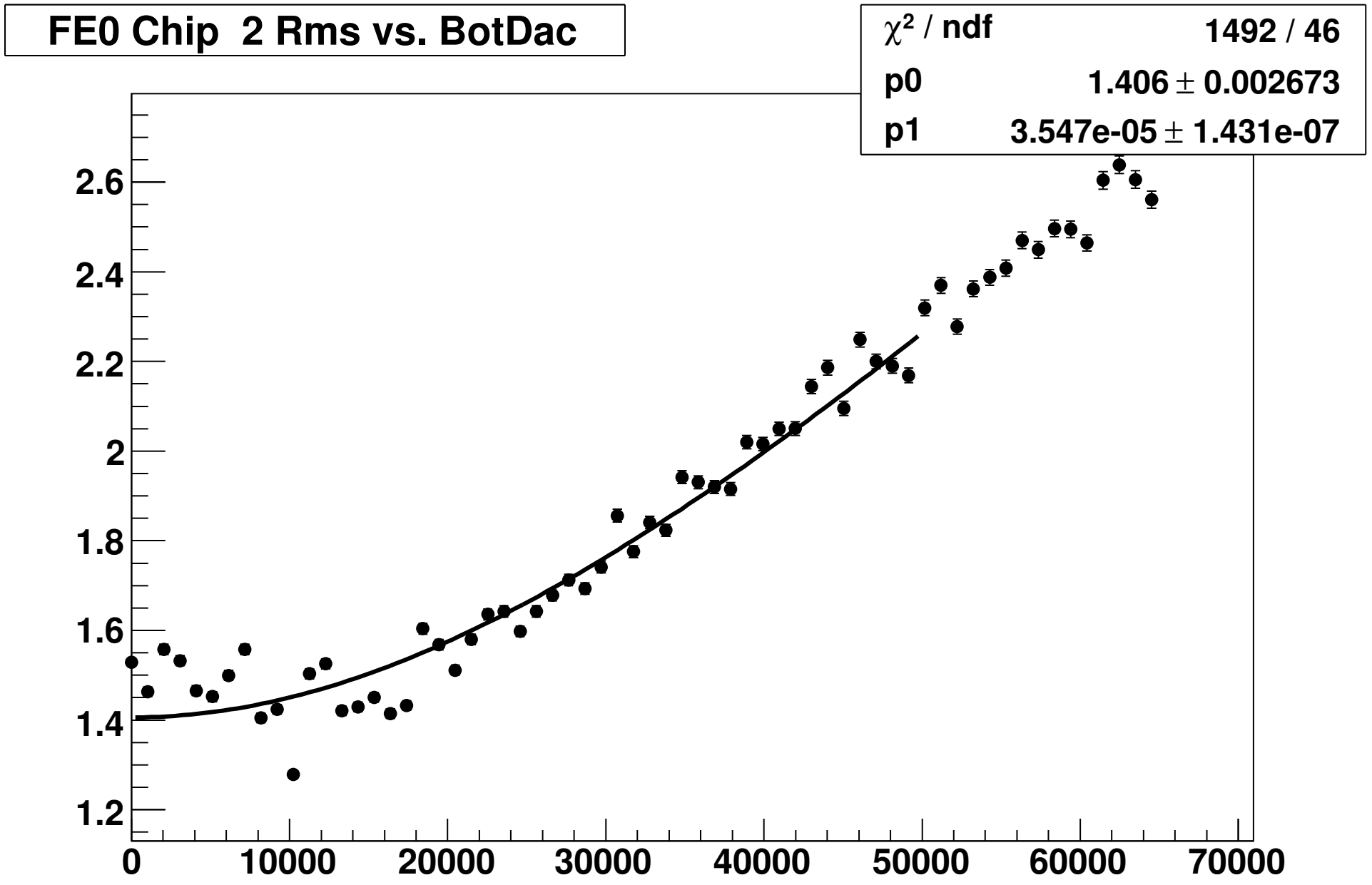
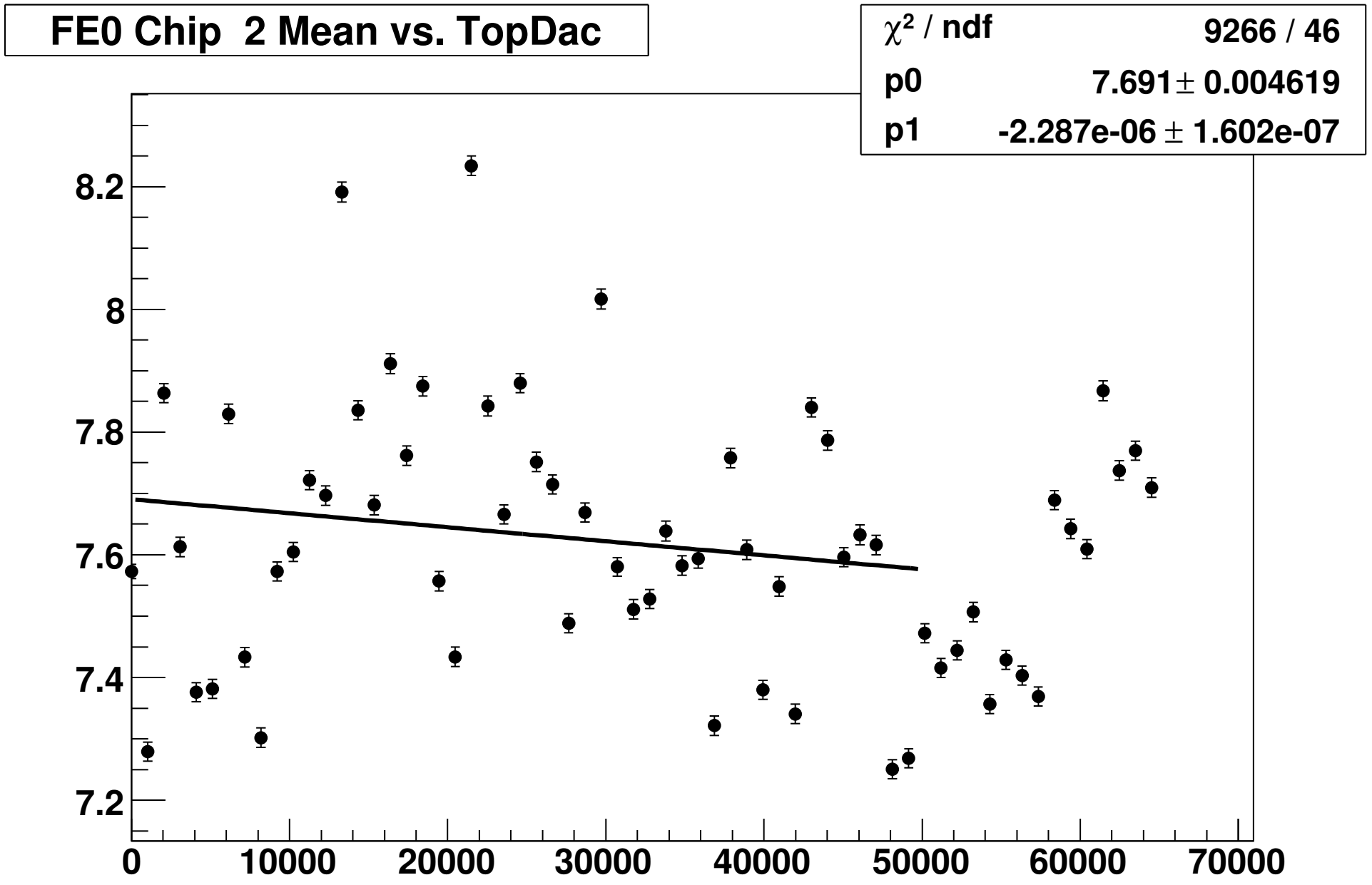
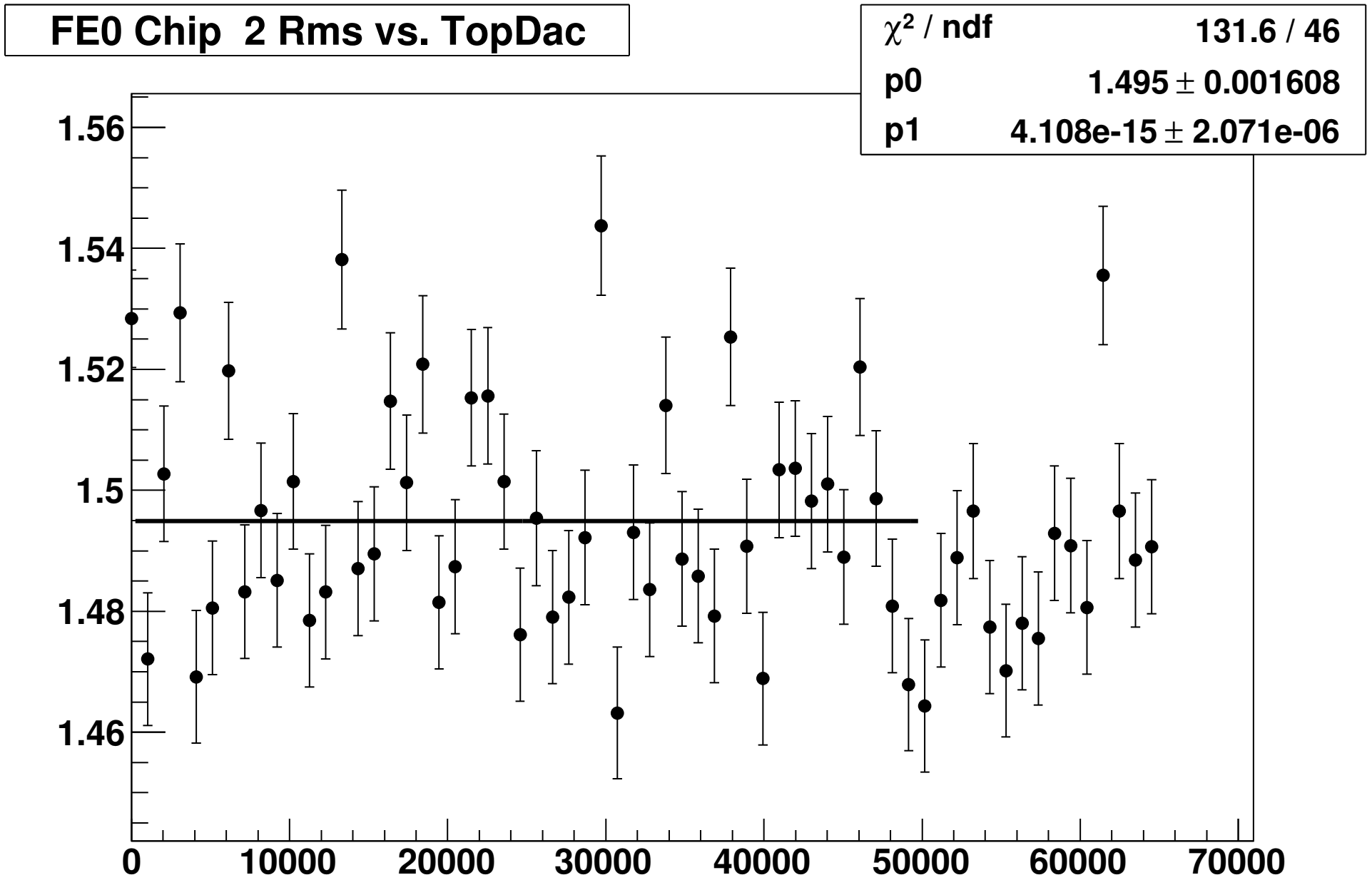
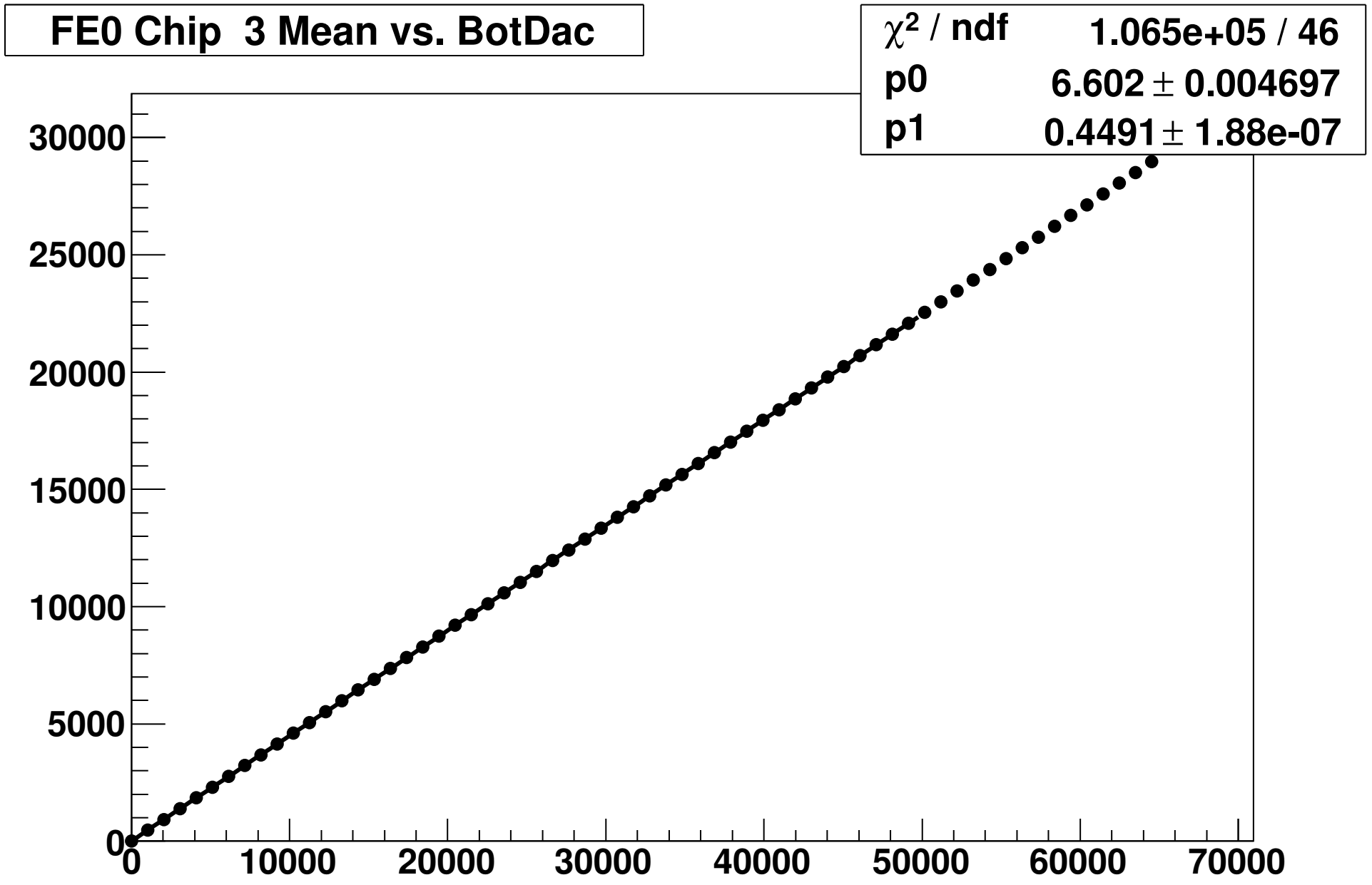
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.257e+05 / 46
p0 9.867 ± 0.004776
p1 0.4491 ± 1.899e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1492 / 46
p0 1.406 ± 0.002673
p1 3.547e-05 ± 1.431e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 9266 / 46
p0 7.691 ± 0.004619
p1 -2.287e-06 ± 1.602e-07
8.2
8
7.8
7.6
7.4
7.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 131.6 / 46
p0 1.495 ± 0.001608
p1 4.108e-15 ± 2.071e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.065e+05 / 46
p0 6.602 ± 0.004697
p1 0.4491 ± 1.88e-07
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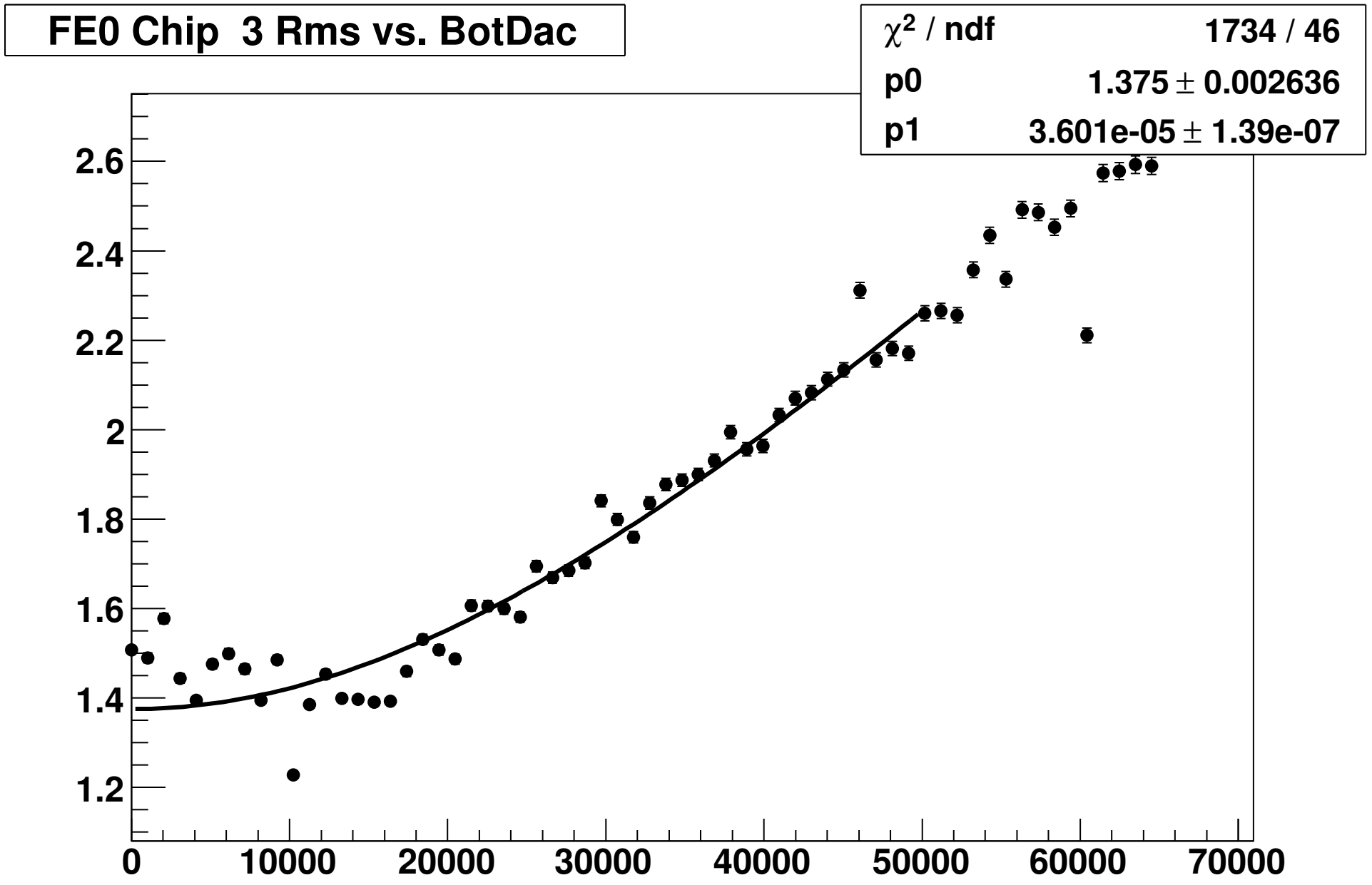
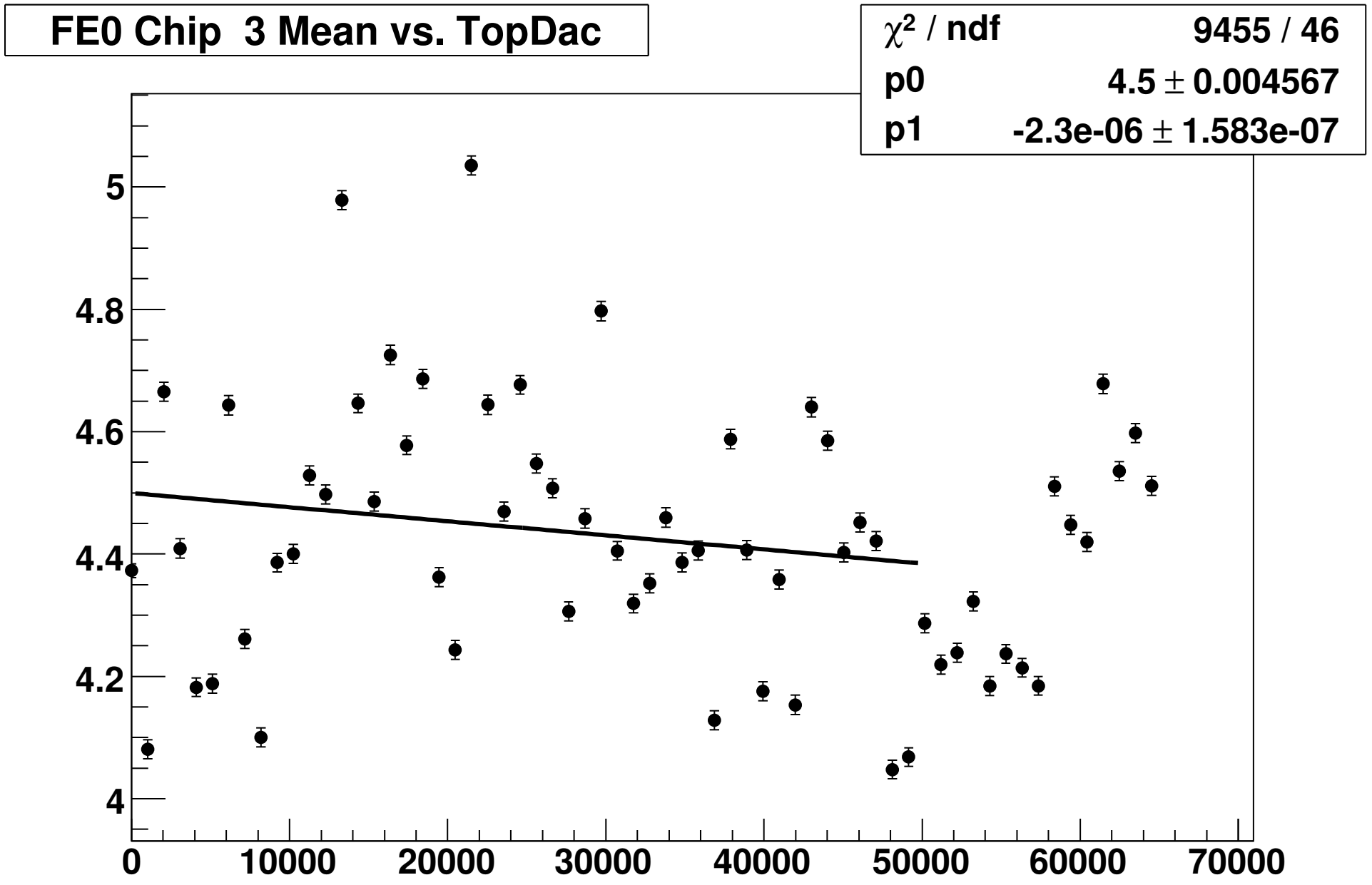
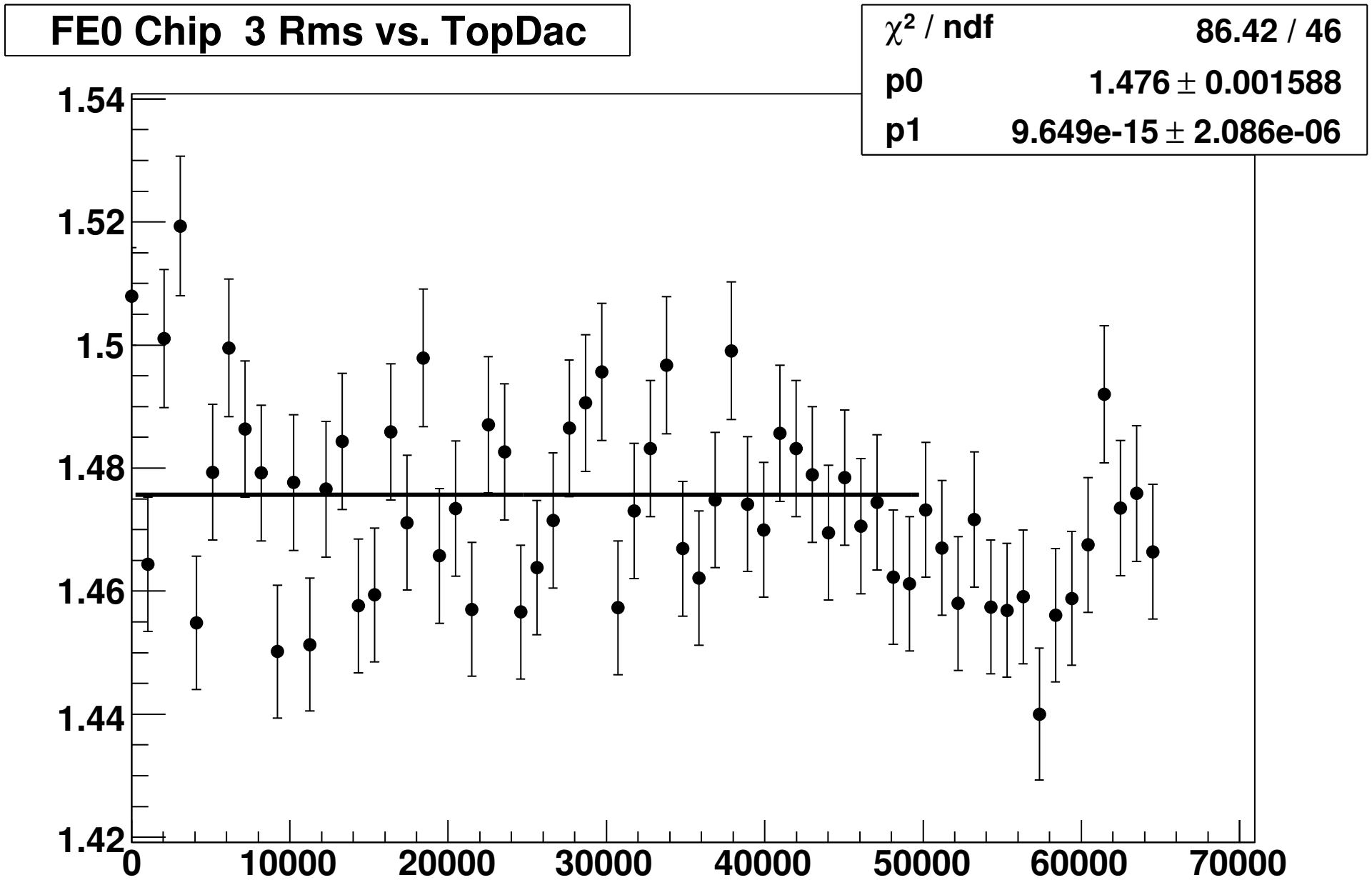
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 1734 / 46
p0 1.375 ± 0.002636
p1 3.601e-05 ± 1.39e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 9455 / 46
p0 4.5 ± 0.004567
p1 -2.3e-06 ± 1.583e-07
5
4.8
4.6
4.4
4.2
4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 86.42 / 46
p0 1.476 ± 0.001588
p1 9.649e-15 ± 2.086e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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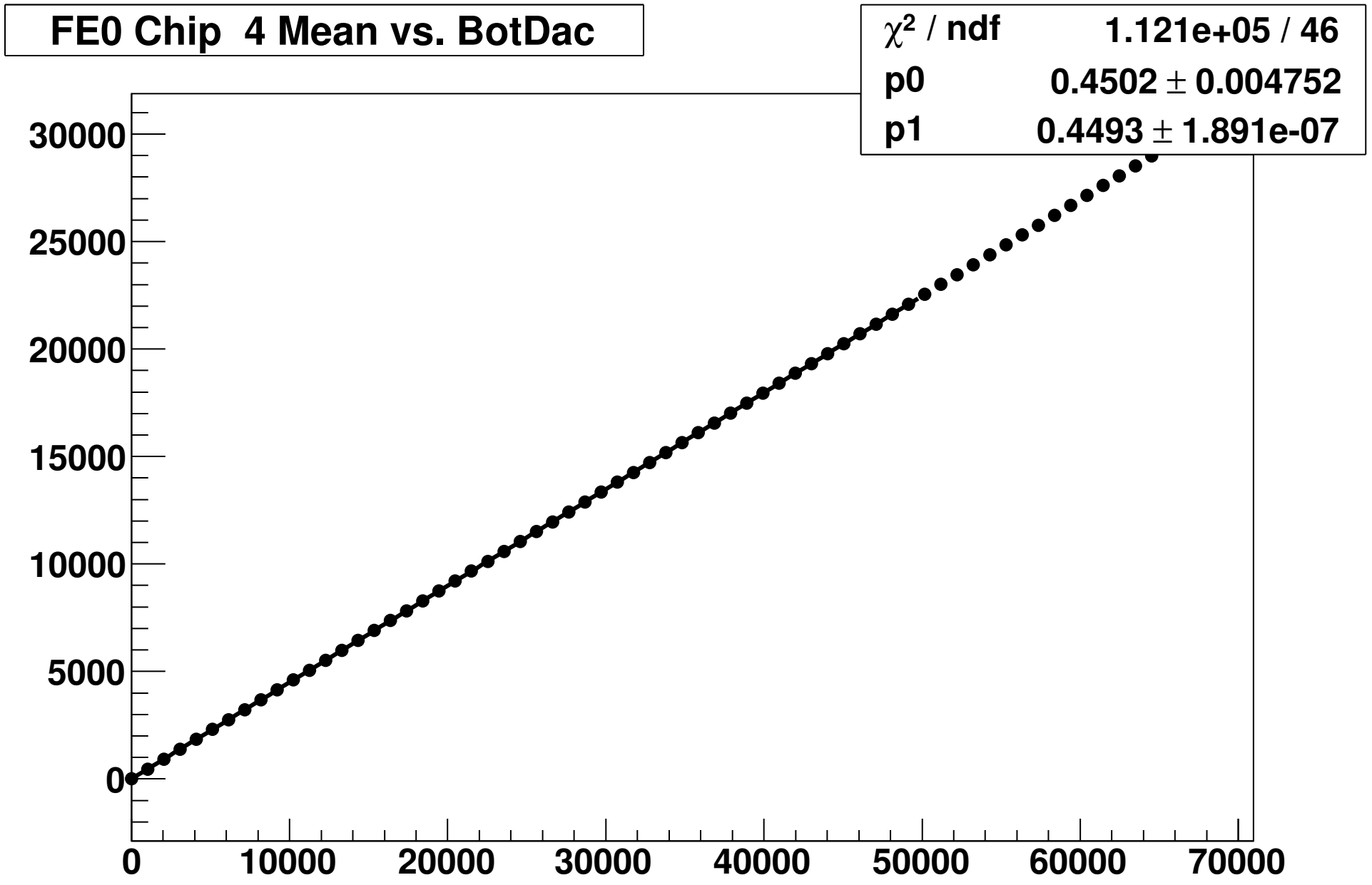
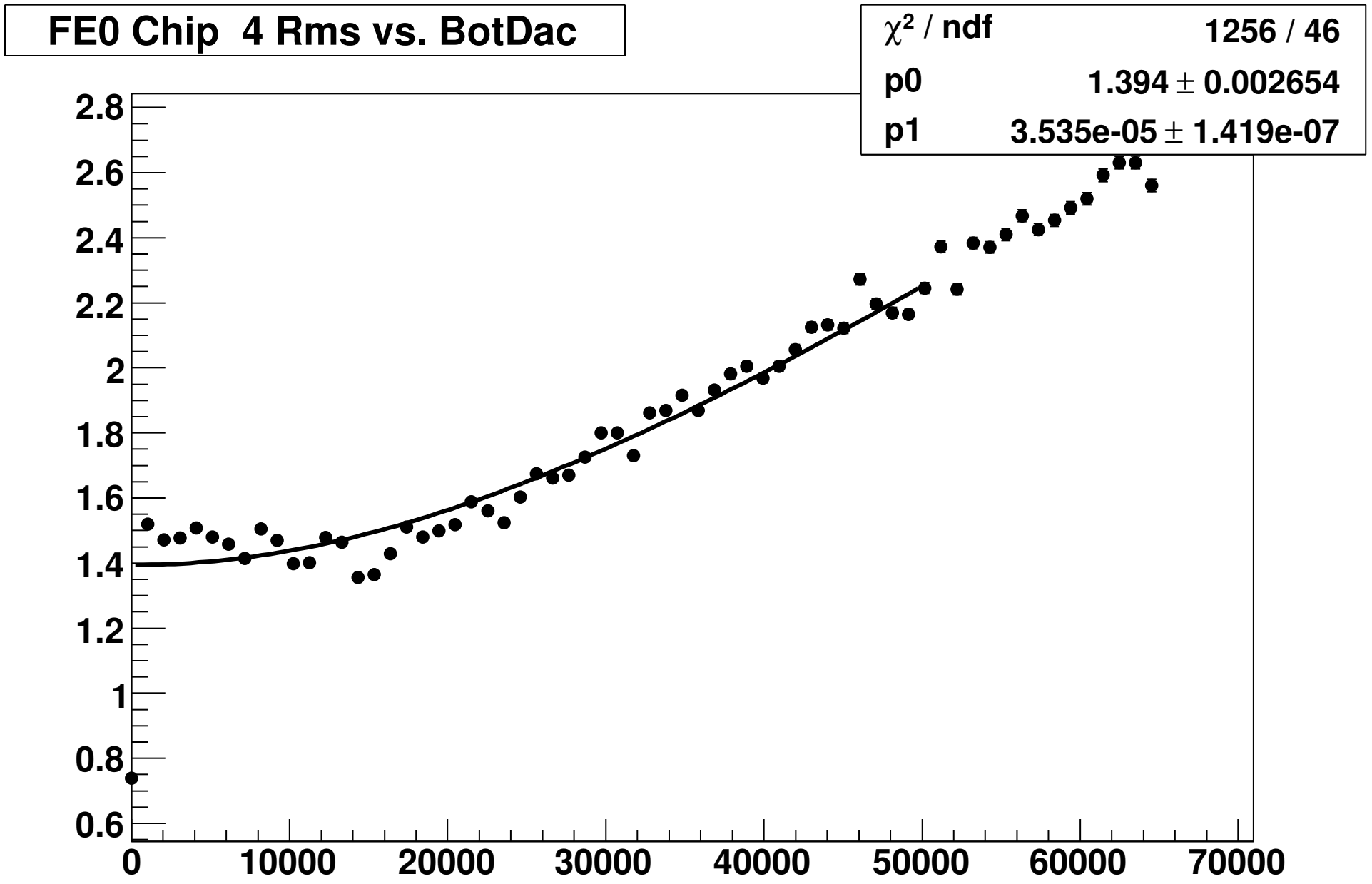
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.121e+05 / 46
p0 0.4502 ± 0.004752
p1 0.4493 ± 1.891e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1256 / 46
p0 1.394 ± 0.002654
p1 3.535e-05 ± 1.419e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
10000
20000
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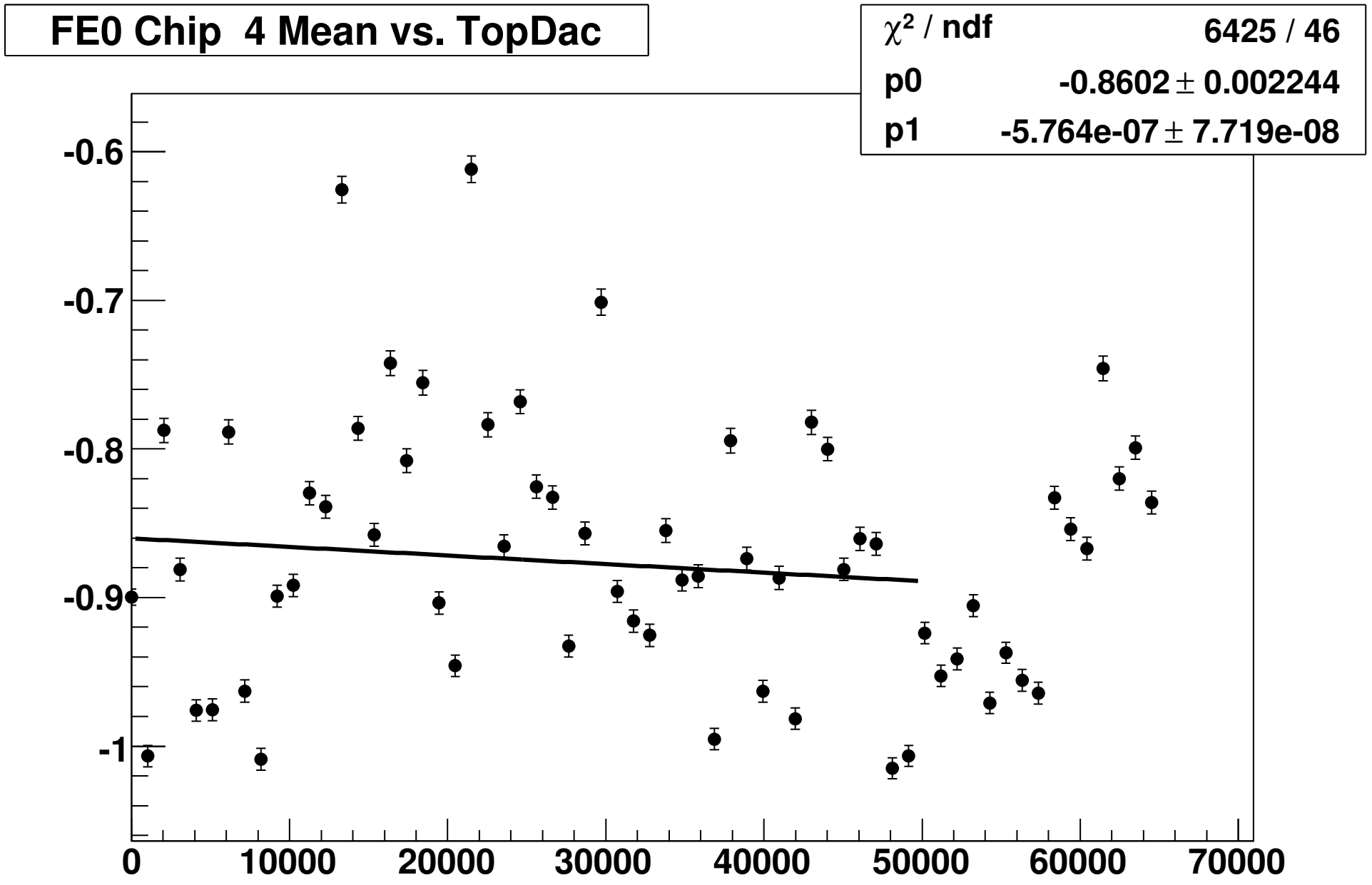
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 6425 / 46
p0 -0.8602 ± 0.002244
p1 -5.764e-07 ± 7.719e-08
-0.6
-0.7
-0.8
-0.9
-1
0
10000
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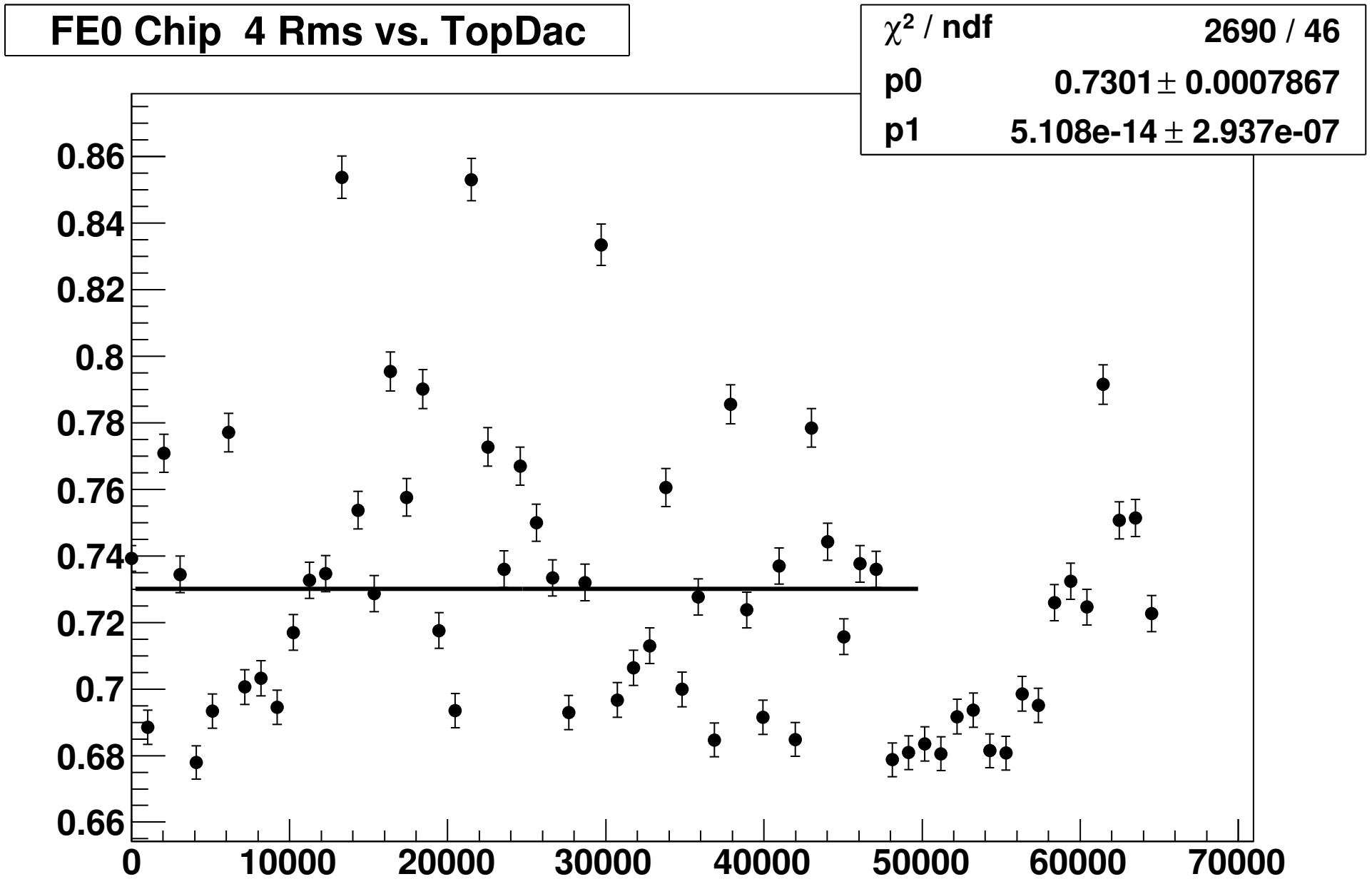
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 2690 / 46
p0 0.7301 ± 0.0007867
p1 5.108e-14 ± 2.937e-07
0.86
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
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20000
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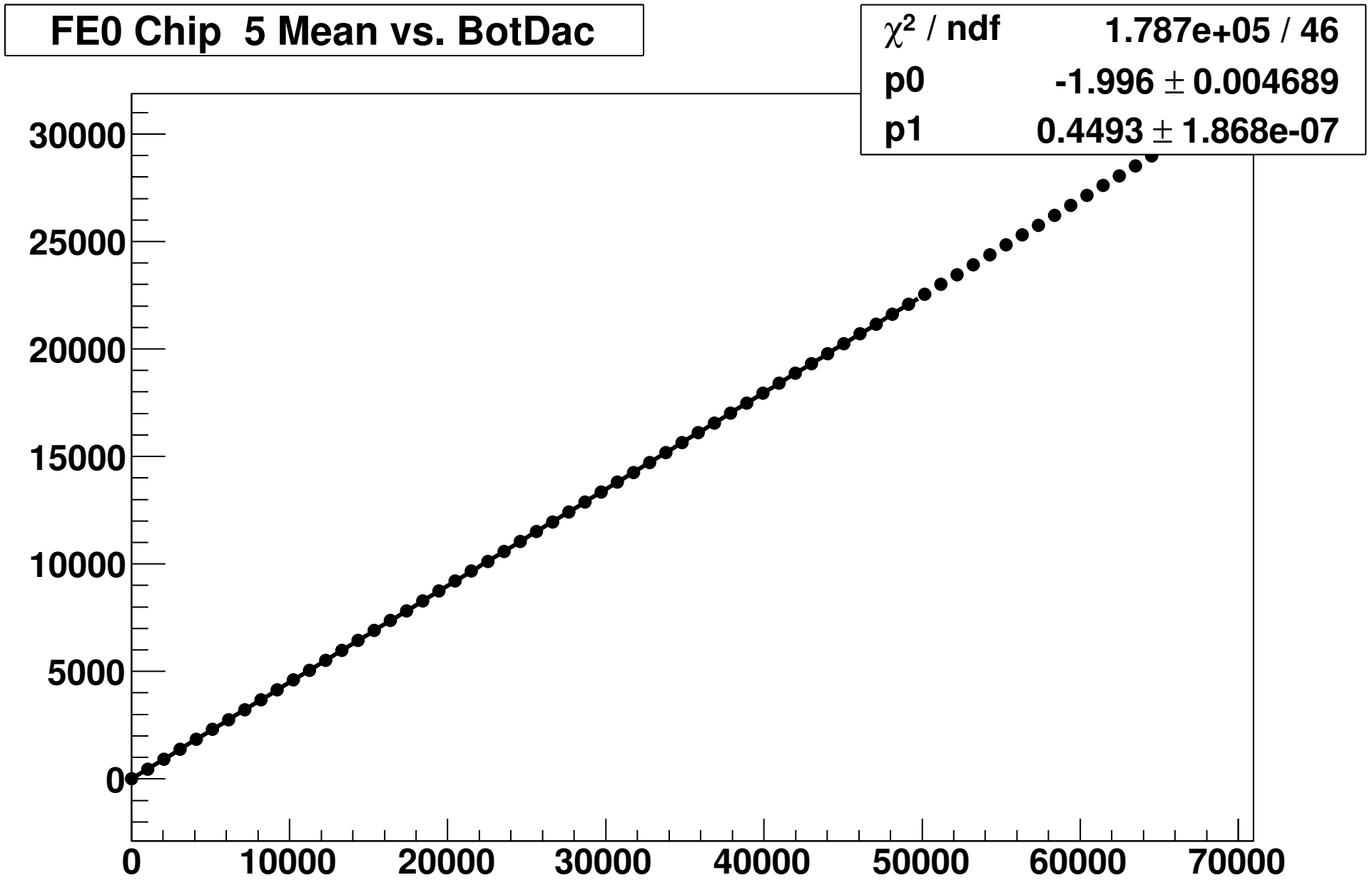
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.787e+05 / 46
p0 -1.996 ± 0.004689
p1 0.4493 ± 1.868e-07
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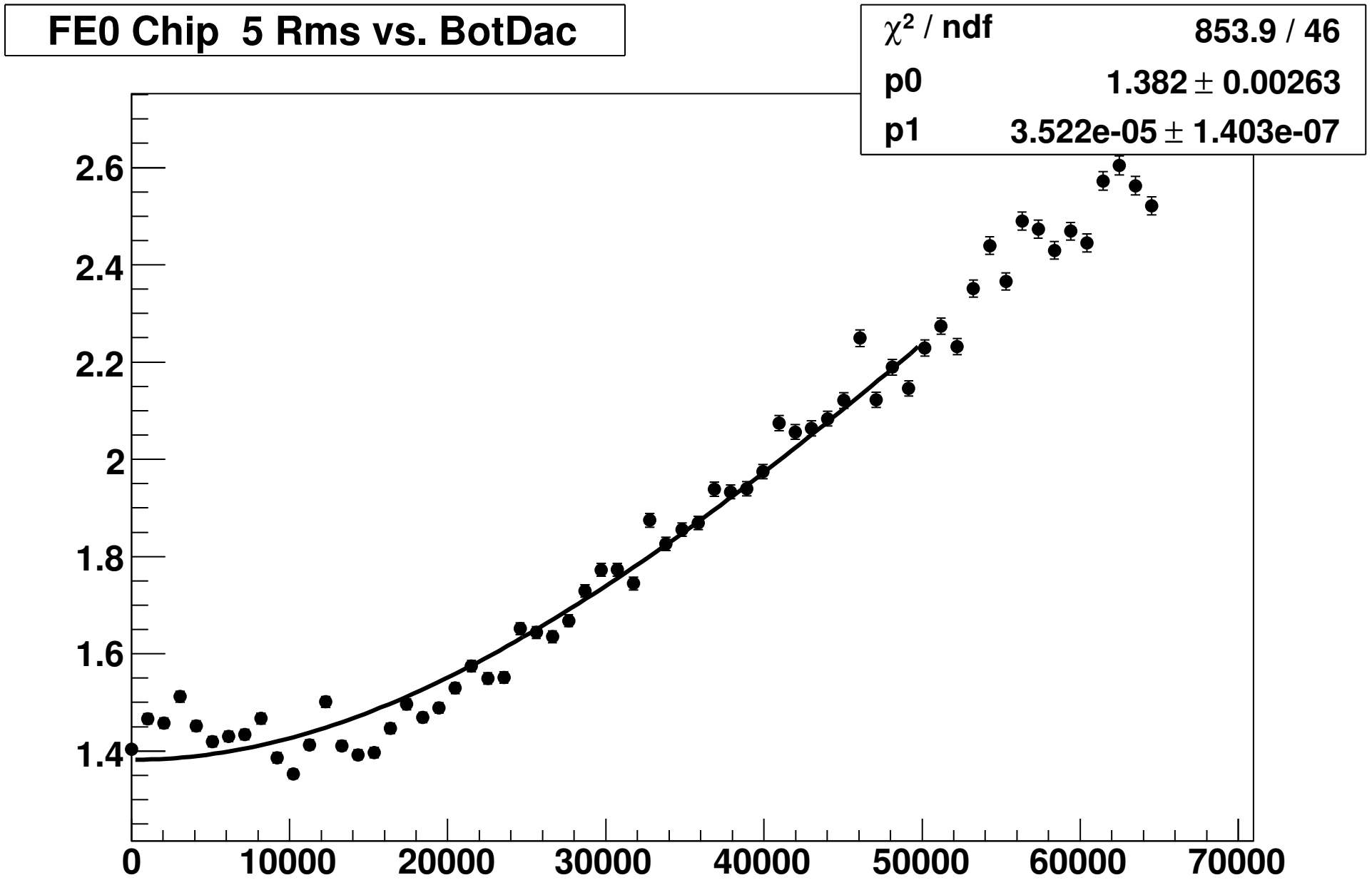
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 853.9 / 46
p0 1.382 ± 0.00263
p1 3.522e-05 ± 1.403e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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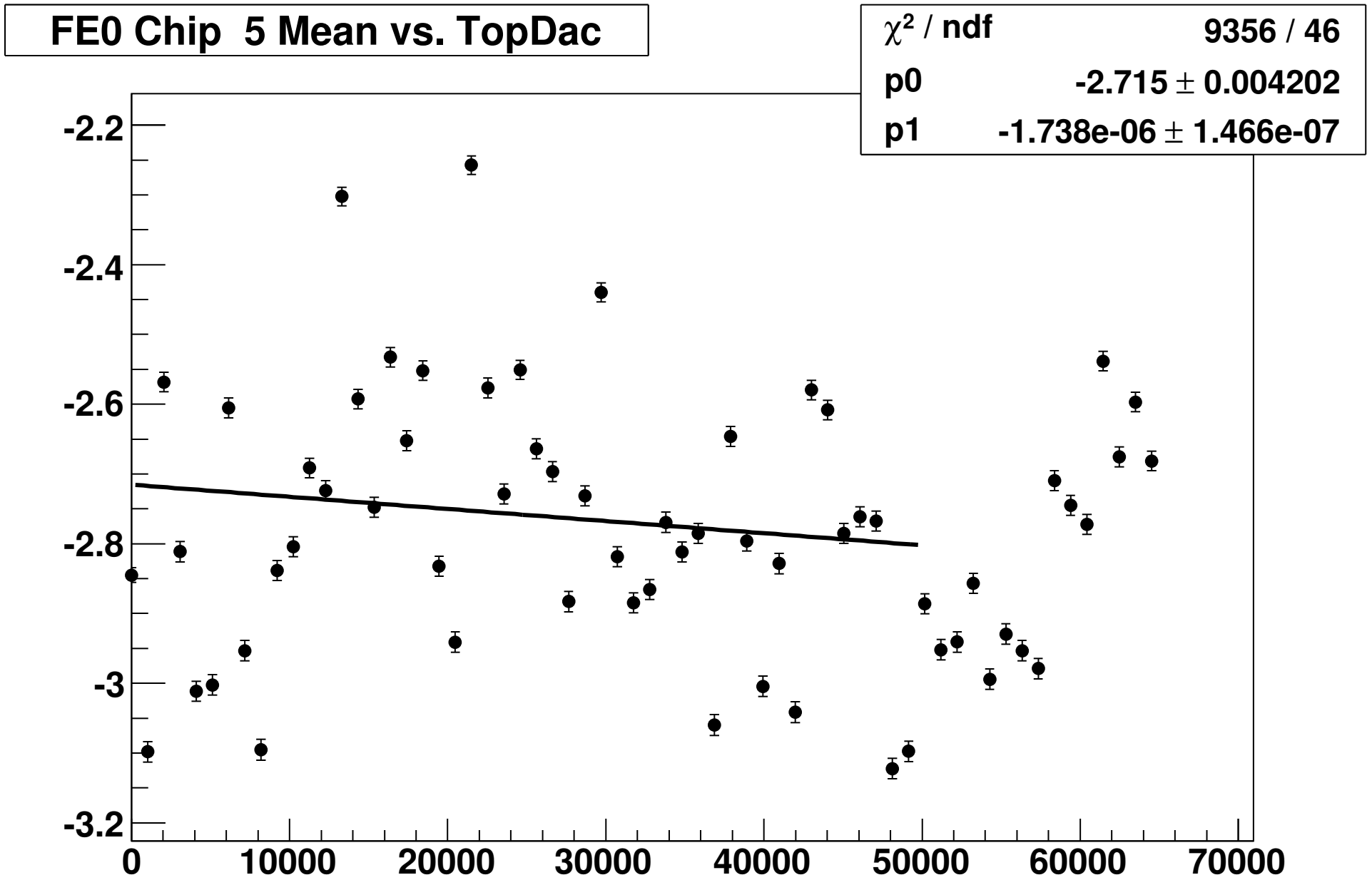
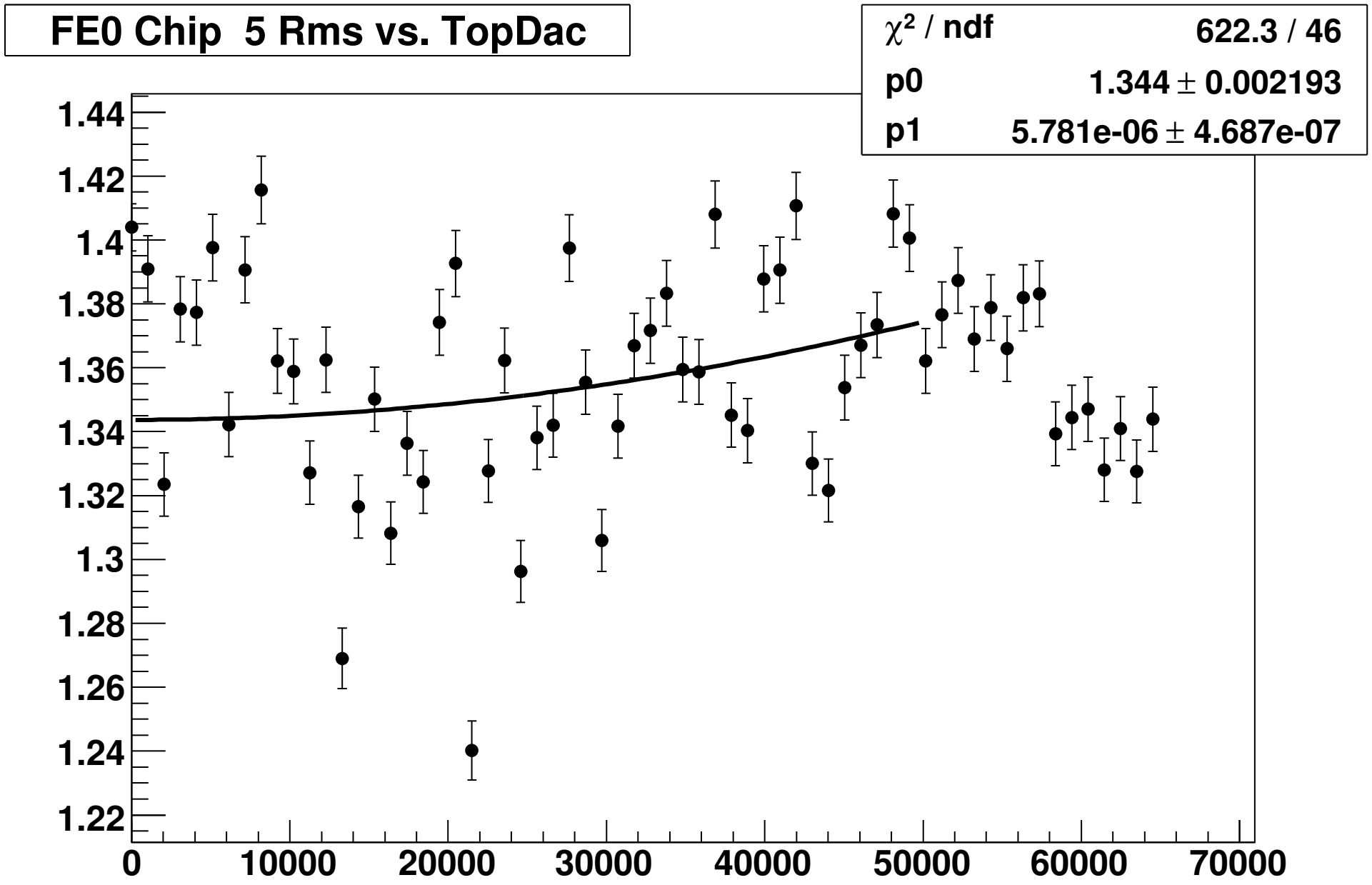
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 9356 / 46
p0 -2.715 ± 0.004202
p1 -1.738e-06 ± 1.466e-07
-2.2
-2.4
-2.6
-2.8
-3
-3.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 622.3 / 46
p0 1.344 ± 0.002193
p1 5.781e-06 ± 4.687e-07
1.44
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
1.26
1.24
1.22
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20000
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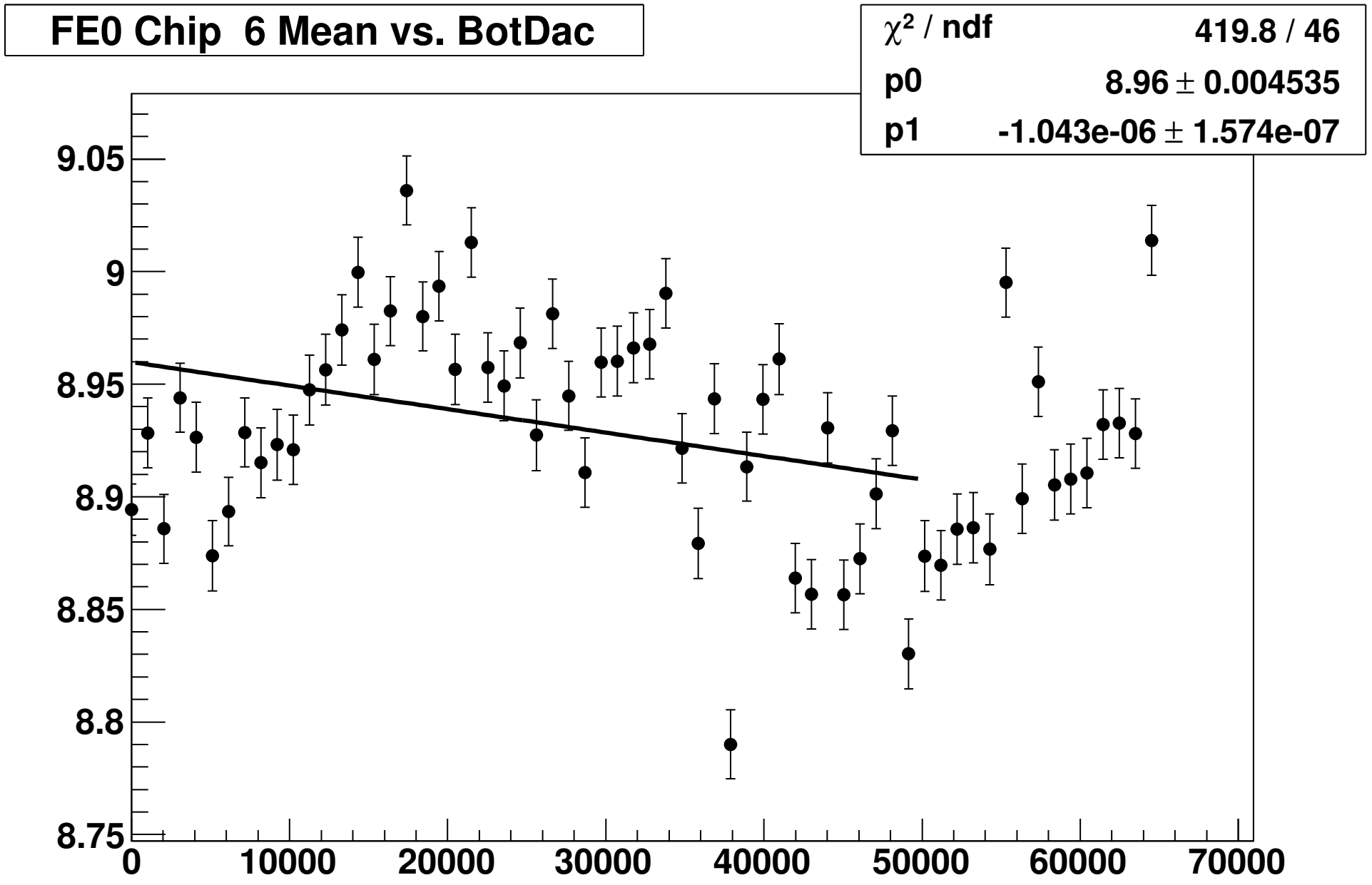
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 419.8 / 46
p0 8.96 ± 0.004535
p1 -1.043e-06 ± 1.574e-07
9.05
9
8.95
8.9
8.85
8.8
8.75
0
10000
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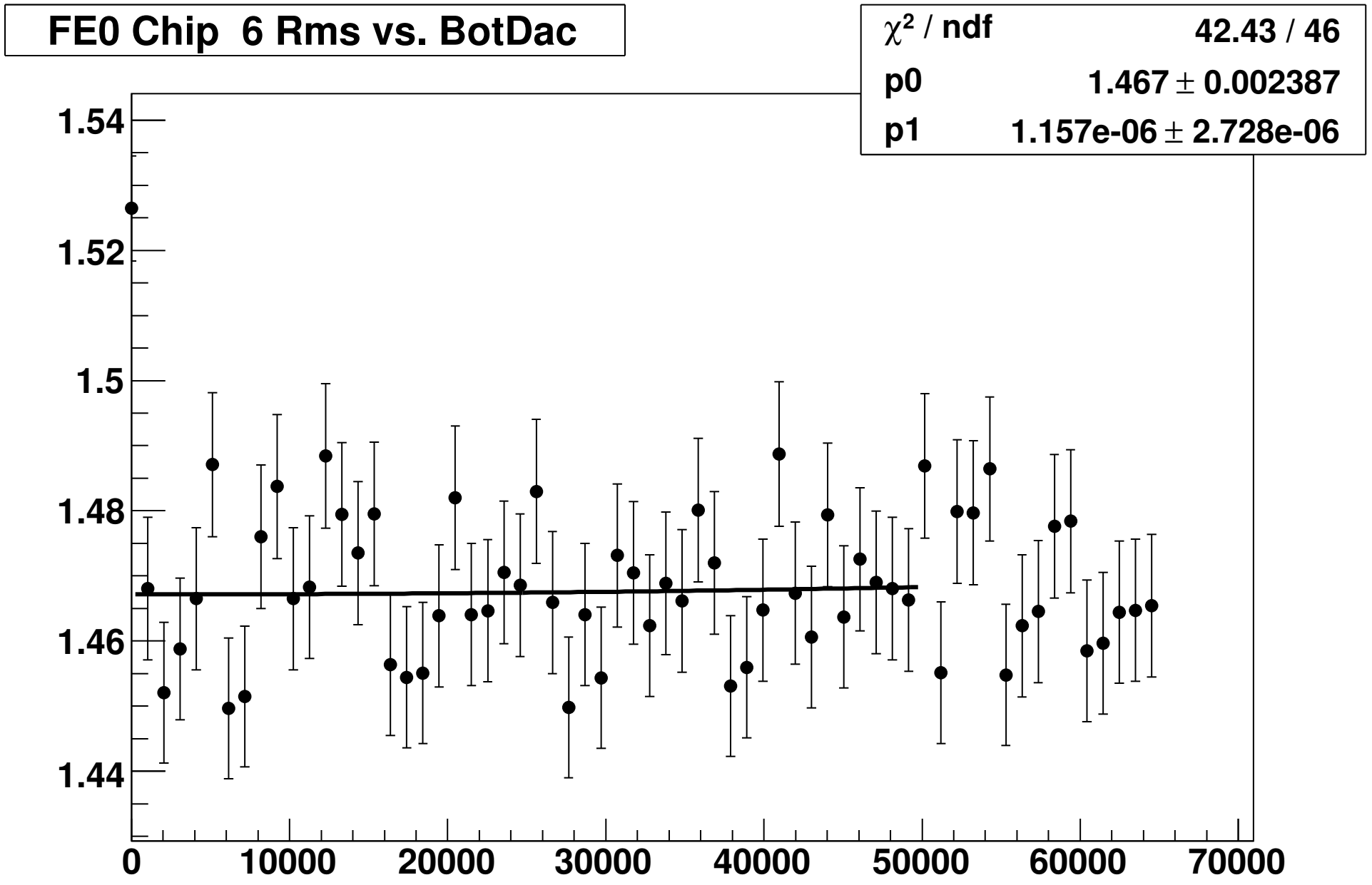
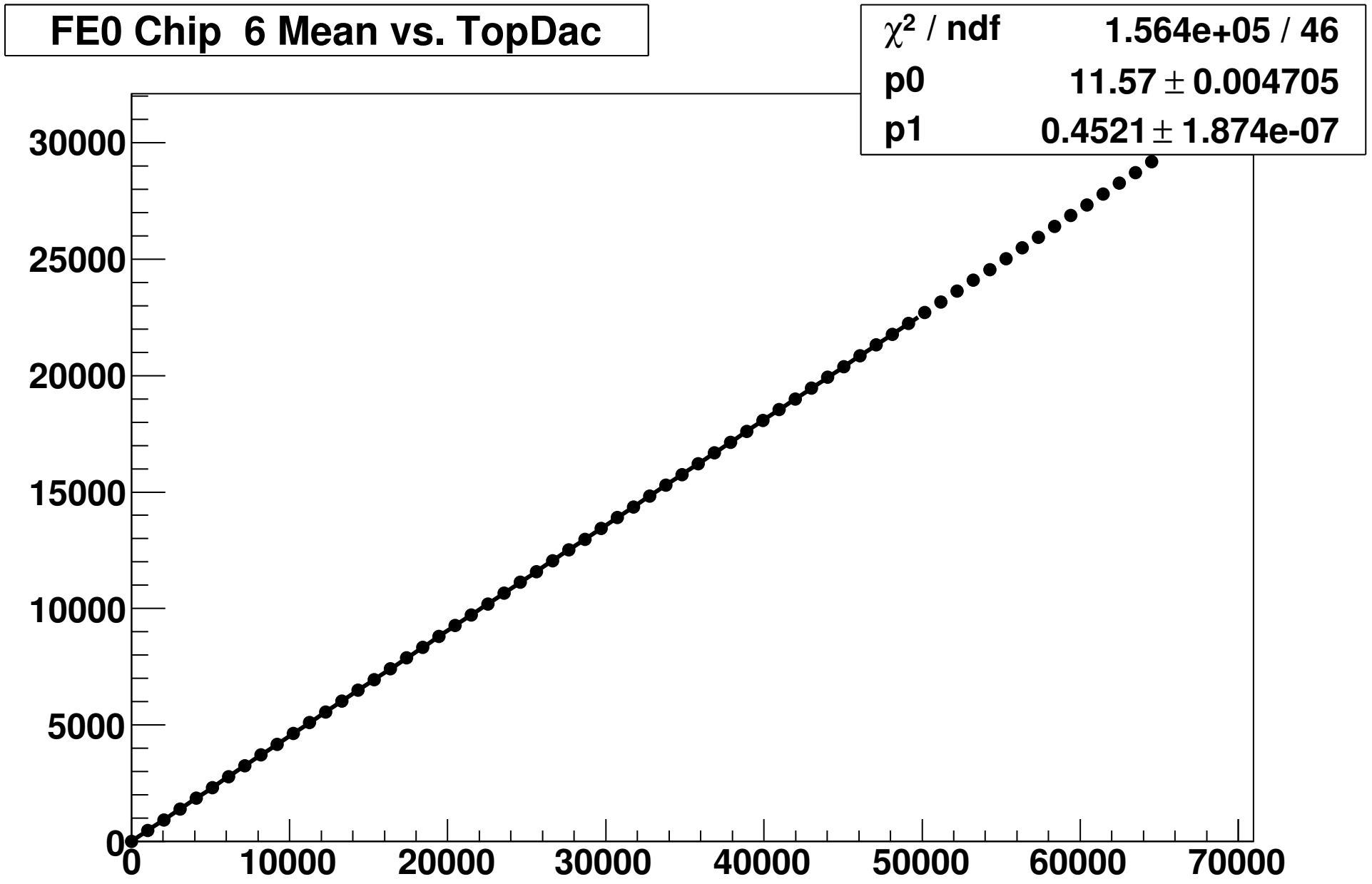
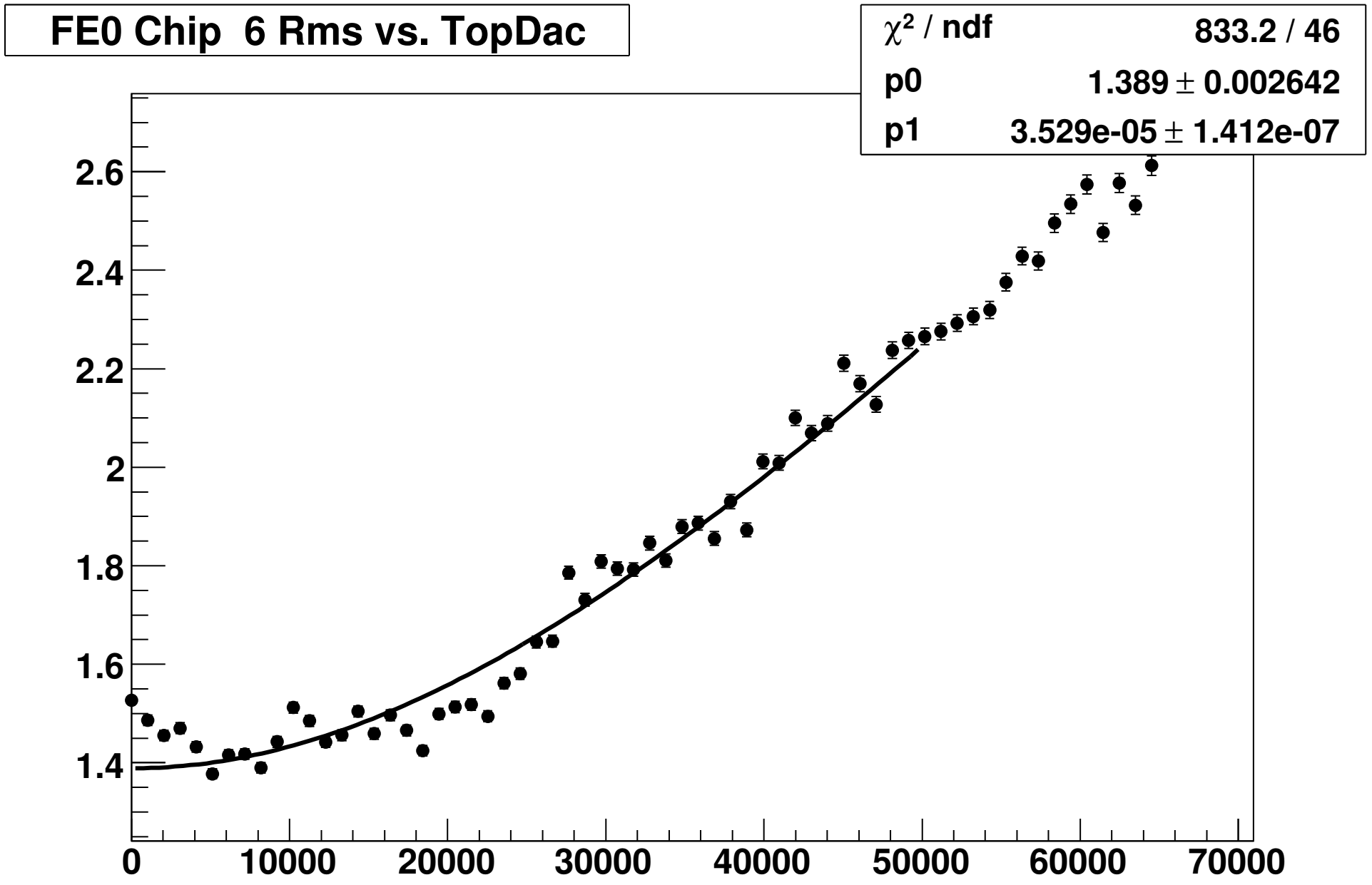
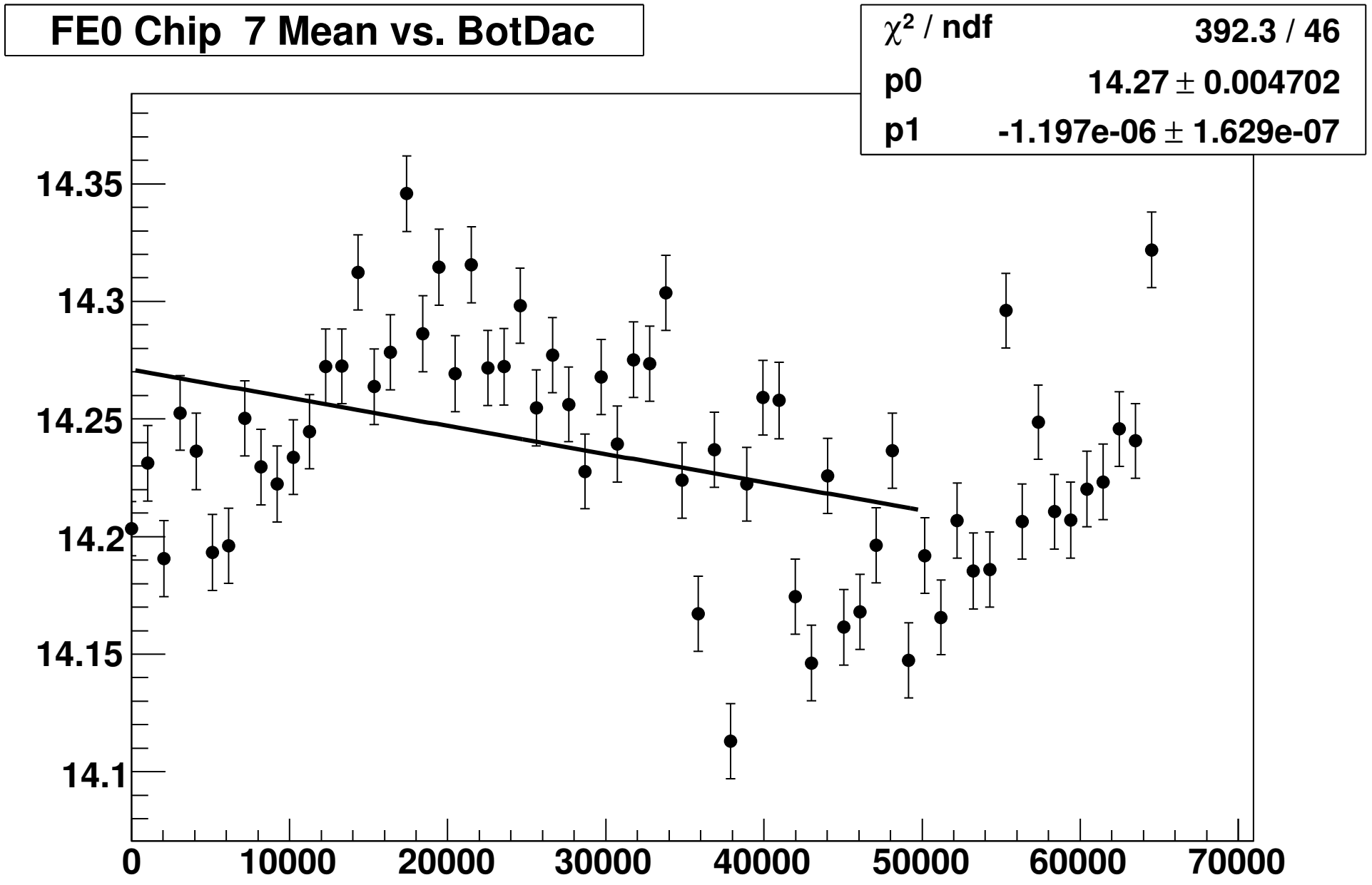
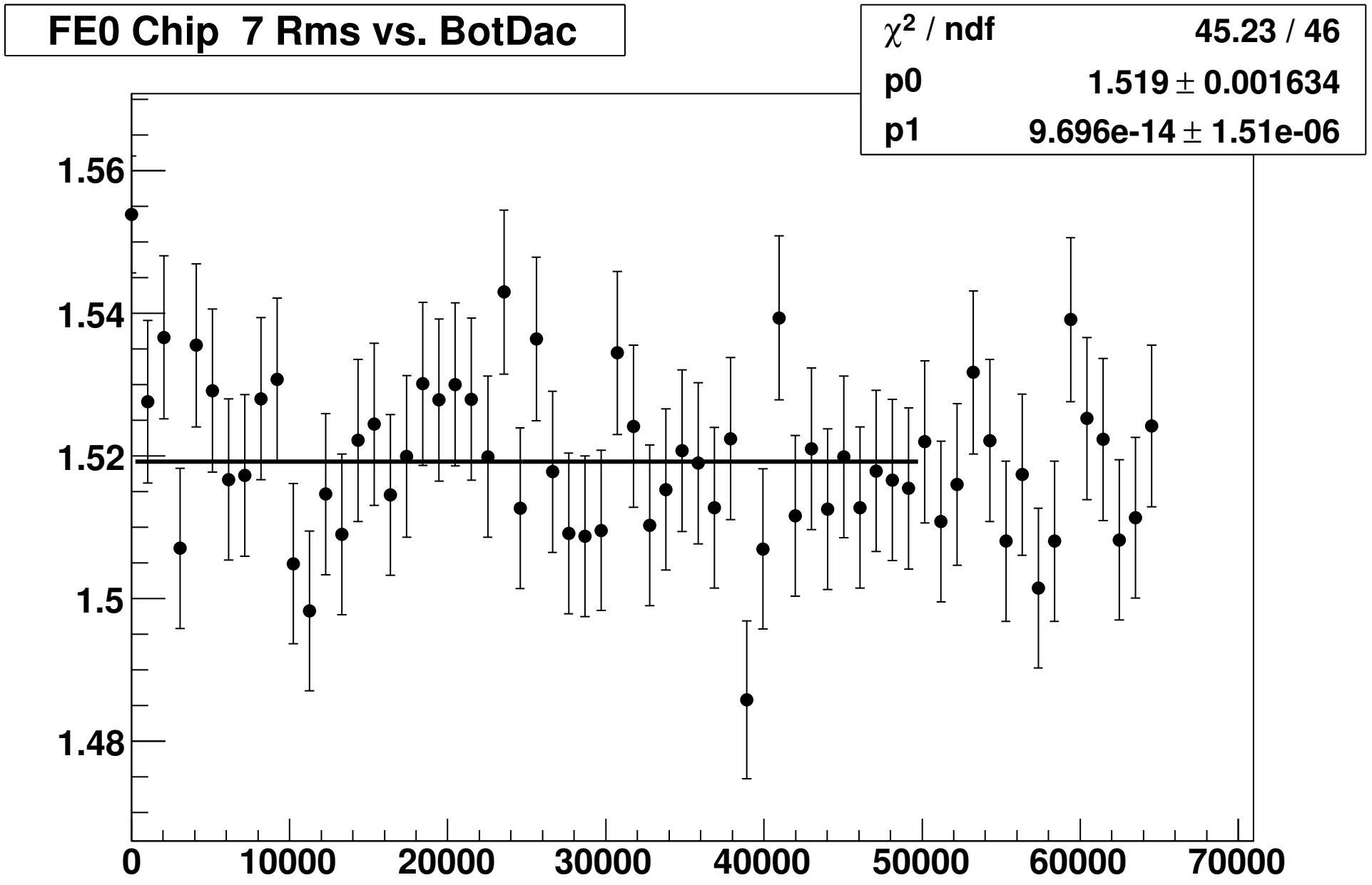
50000
60000
70000

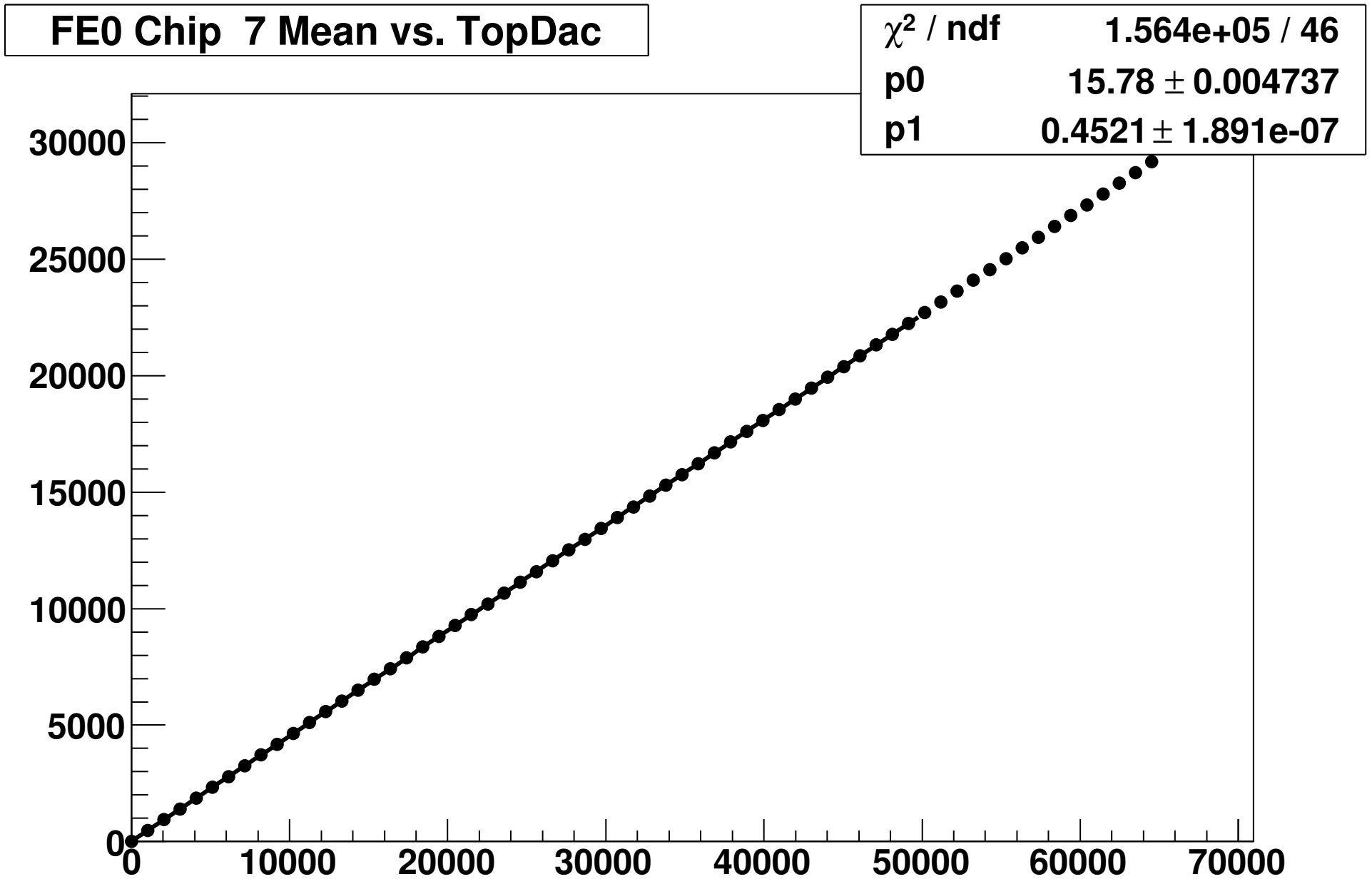

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 42.43 / 46
p0 1.467 ± 0.002387
p1 1.157e-06 ± 2.728e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

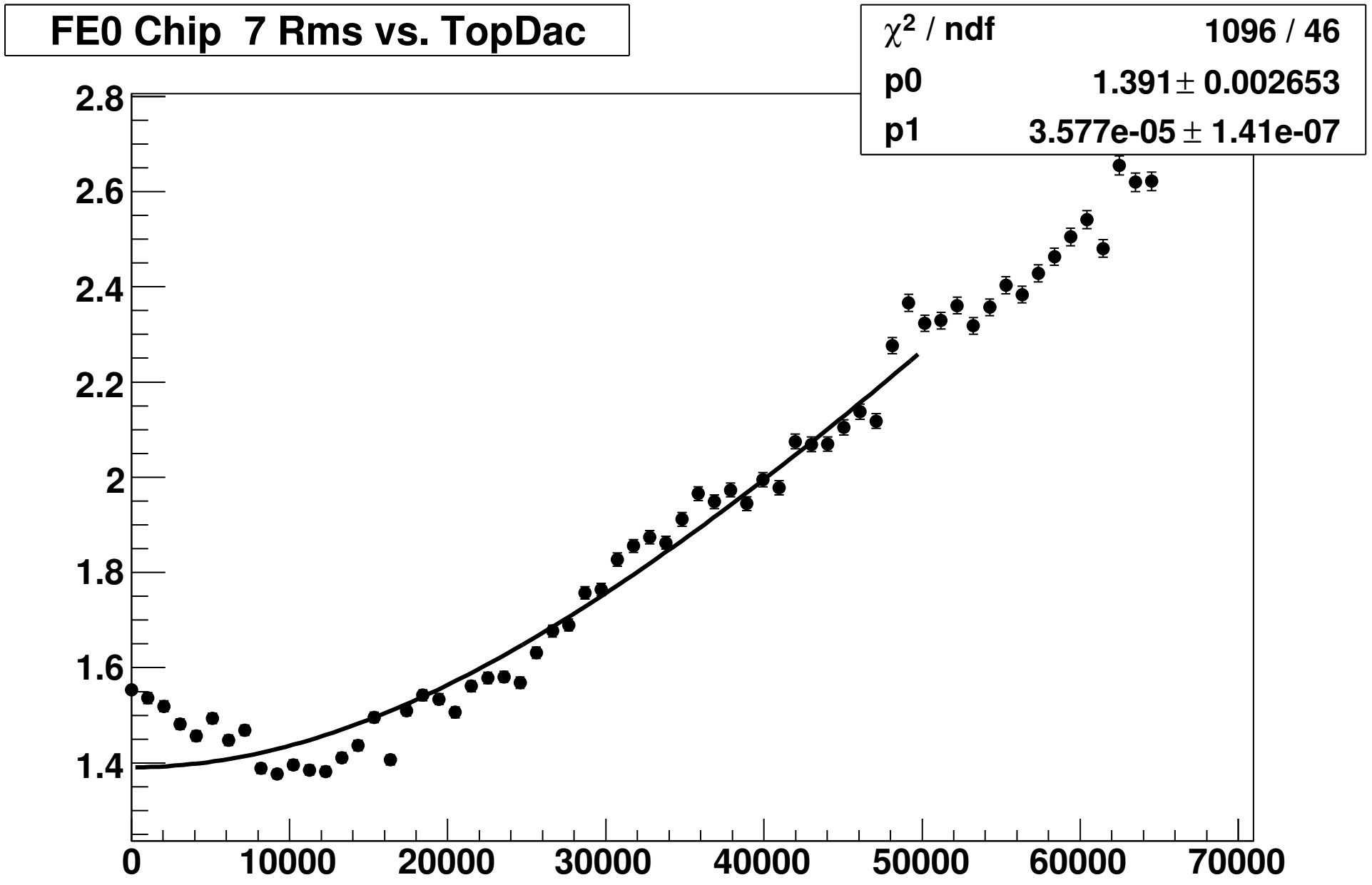

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.564e+05 / 46
p0 11.57 ± 0.004705
p1 0.4521 ± 1.874e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 833.2 / 46
p0 1.389 ± 0.002642
p1 3.529e-05 ± 1.412e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 392.3 / 46
p0 14.27 ± 0.004702
p1 -1.197e-06 ± 1.629e-07
14.35
14.3
14.25
14.2
14.15
14.1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 45.23 / 46
p0 1.519 ± 0.001634
p1 9.696e-14 ± 1.51e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.564e+05 / 46
p0 15.78 ± 0.004737
p1 0.4521 ± 1.891e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1096 / 46
p0 1.391 ± 0.002653
p1 3.577e-05 ± 1.41e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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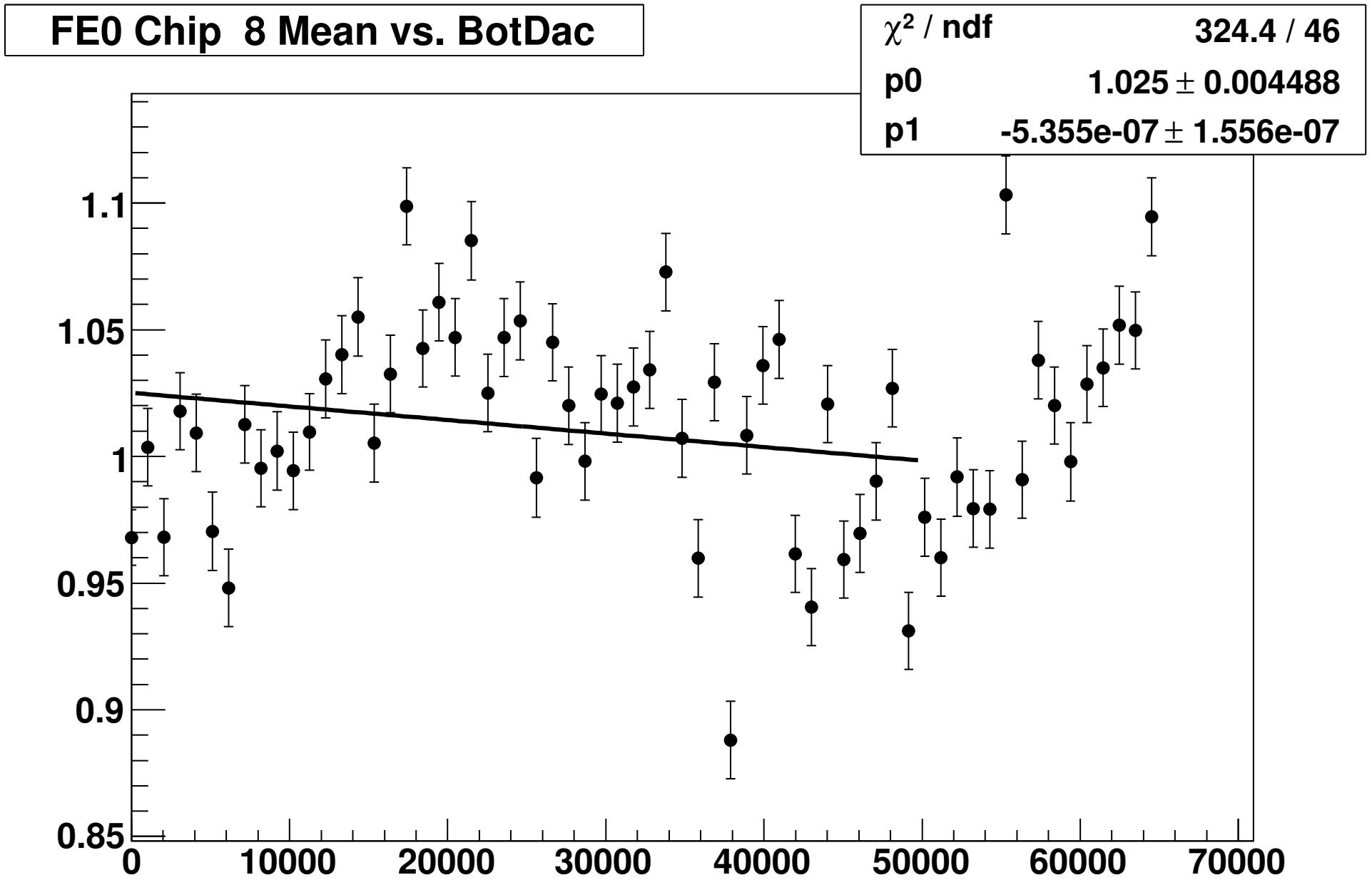
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 324.4 / 46
p0 1.025 ± 0.004488
p1 -5.355e-07 ± 1.556e-07
1.1
1.05
1
0.95
0.9
0.85
0
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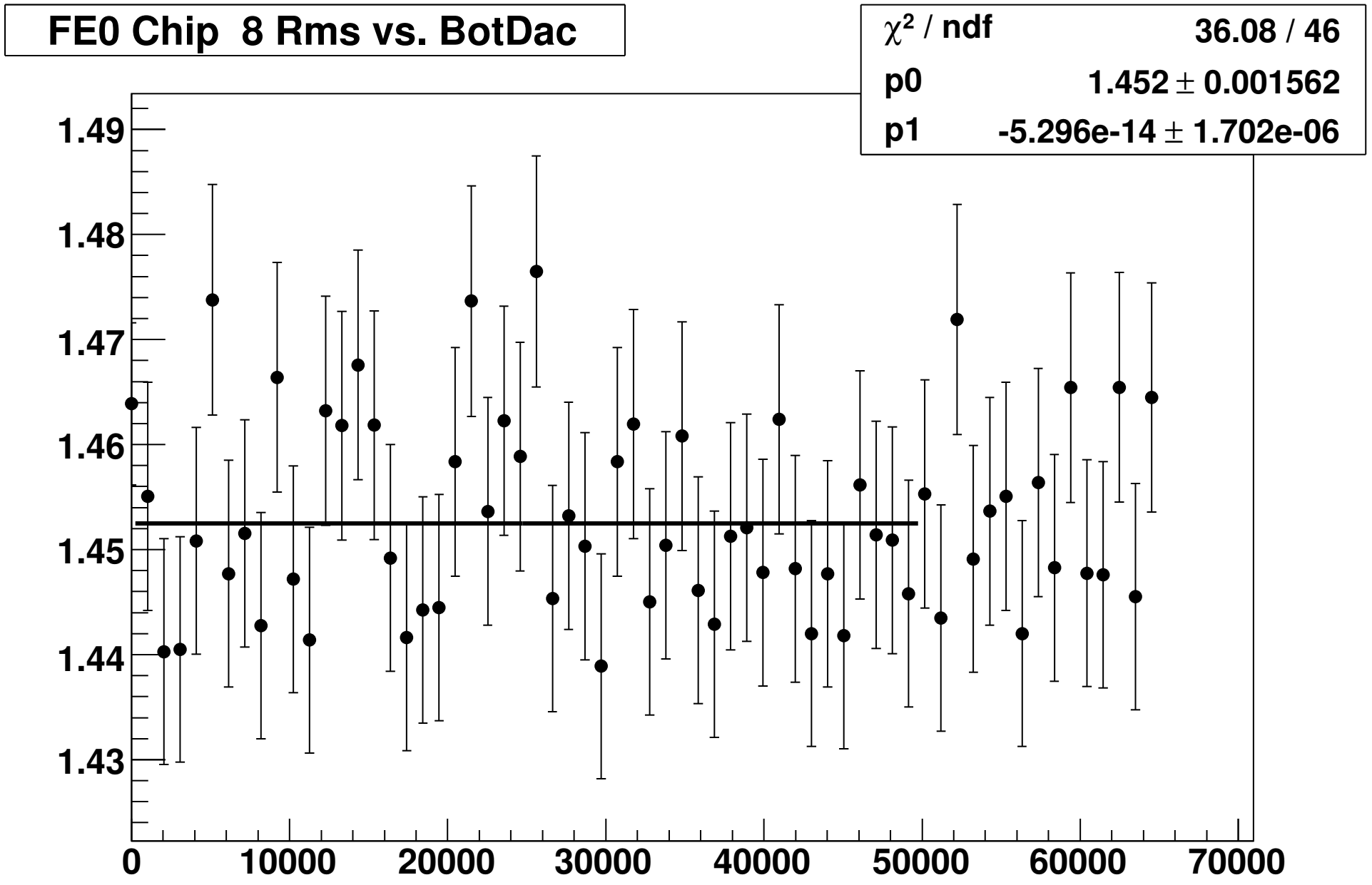
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 36.08 / 46
p0 1.452 ± 0.001562
p1 -5.296e-14 ± 1.702e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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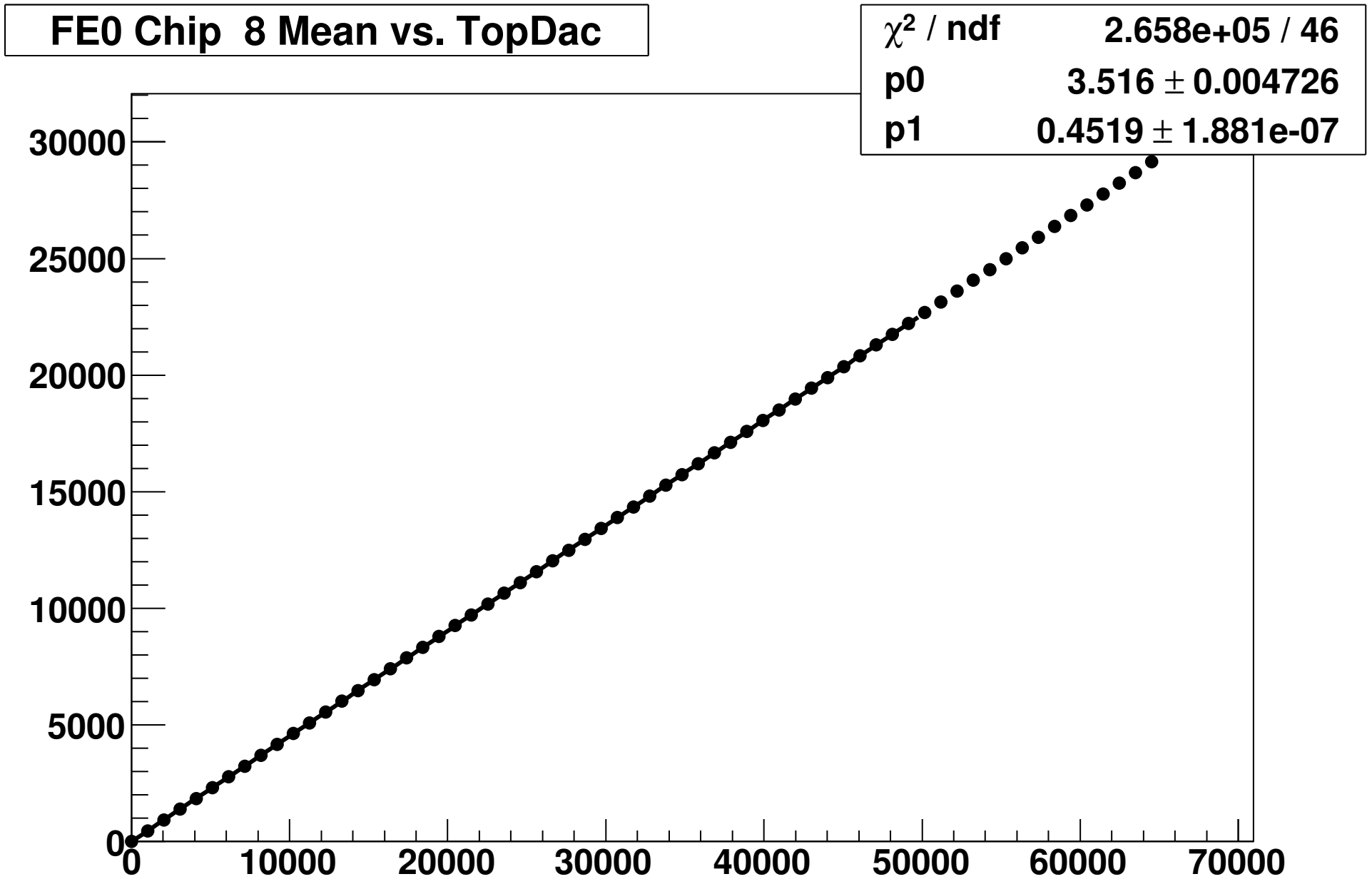
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 2.658e+05 / 46
p0 3.516 ± 0.004726
p1 0.4519 ± 1.881e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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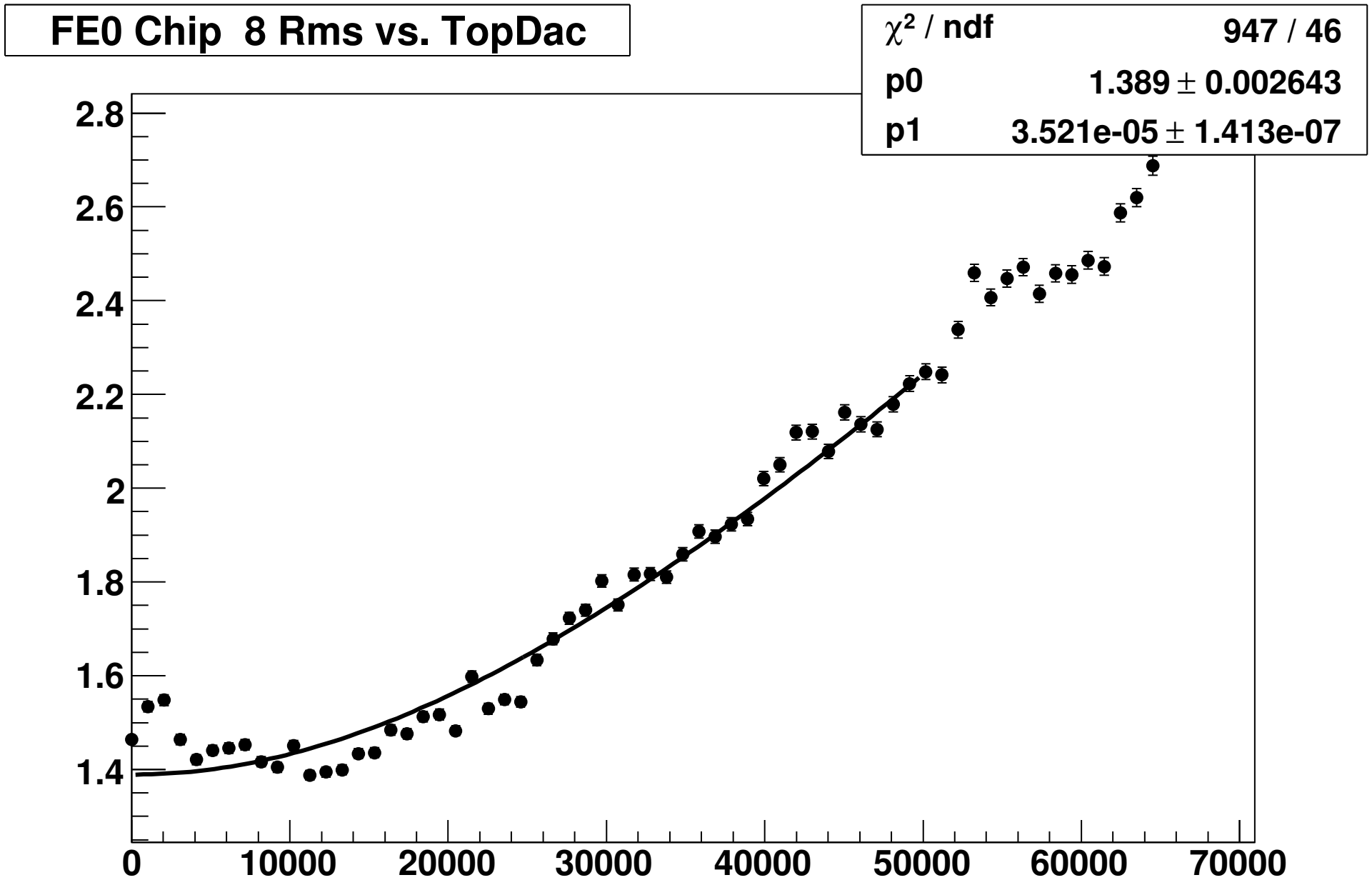
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 947 / 46
p0 1.389 ± 0.002643
p1 3.521e-05 ± 1.413e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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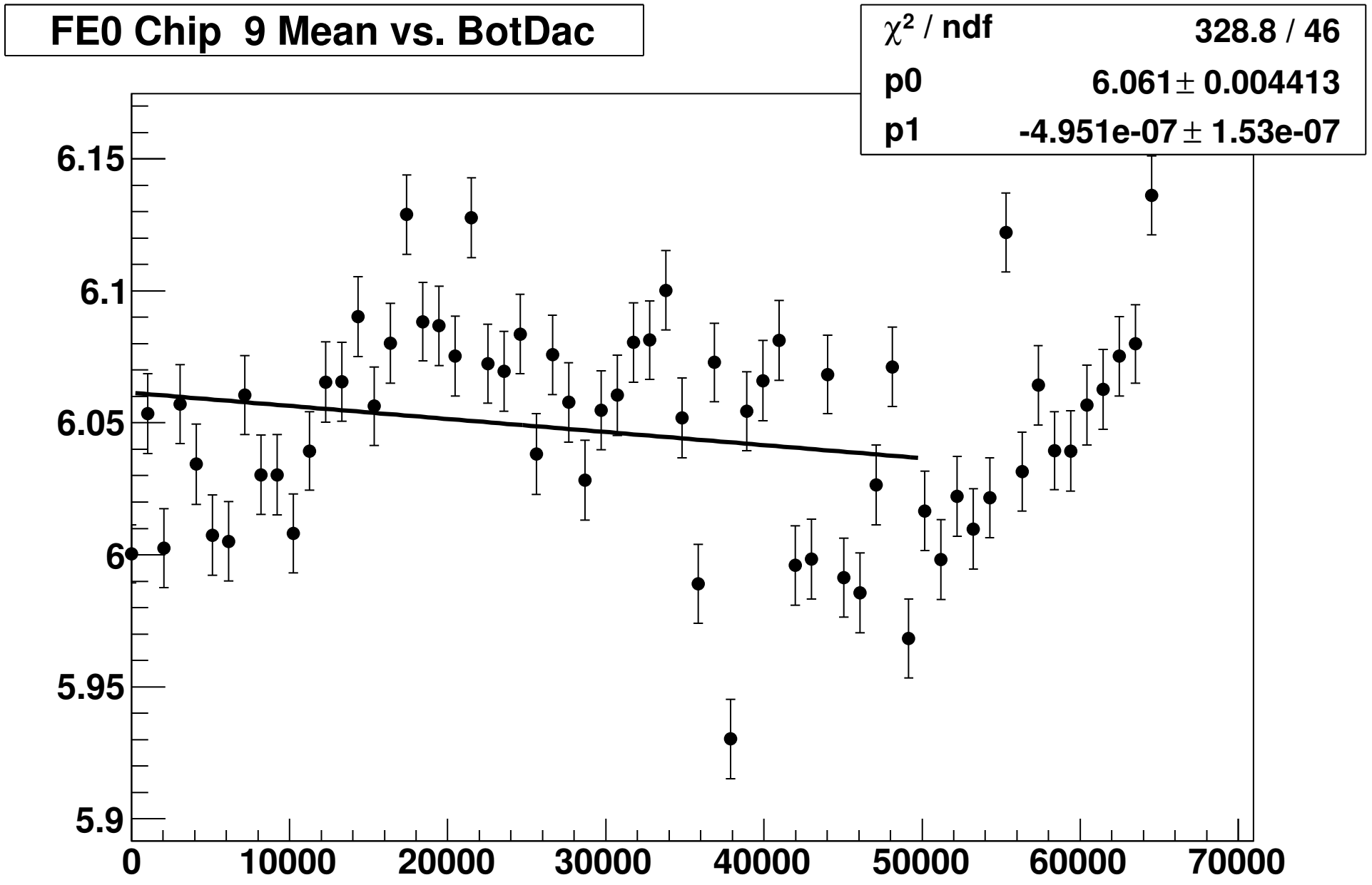
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 328.8 / 46
p0 6.061 ± 0.004413
p1 -4.951e-07 ± 1.53e-07
6.15
6.1
6.05
6
5.95
5.9
0
10000
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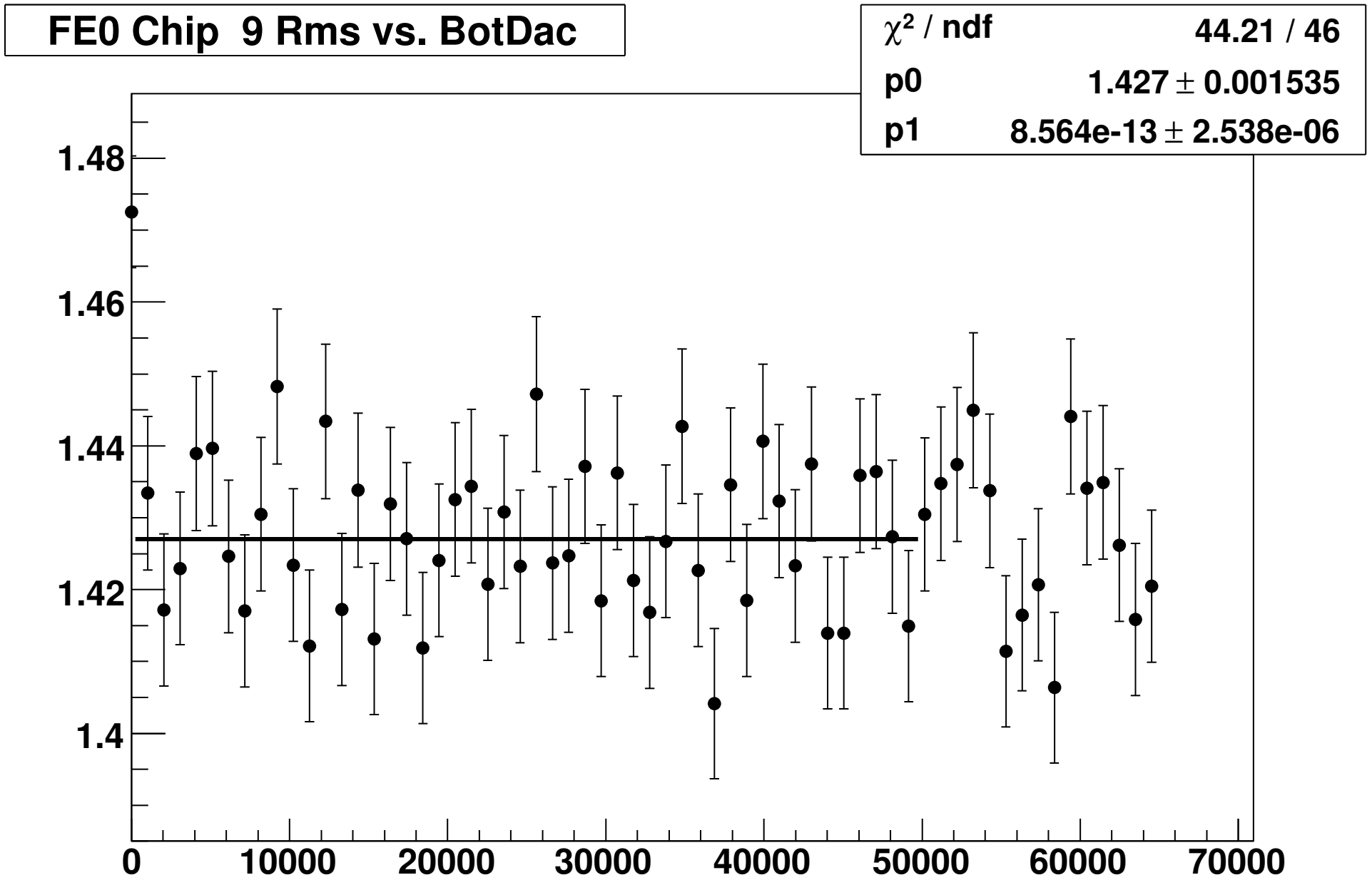
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 44.21 / 46
p0 1.427 ± 0.001535
p1 8.564e-13 ± 2.538e-06
1.48
1.46
1.44
1.42
1.4
0
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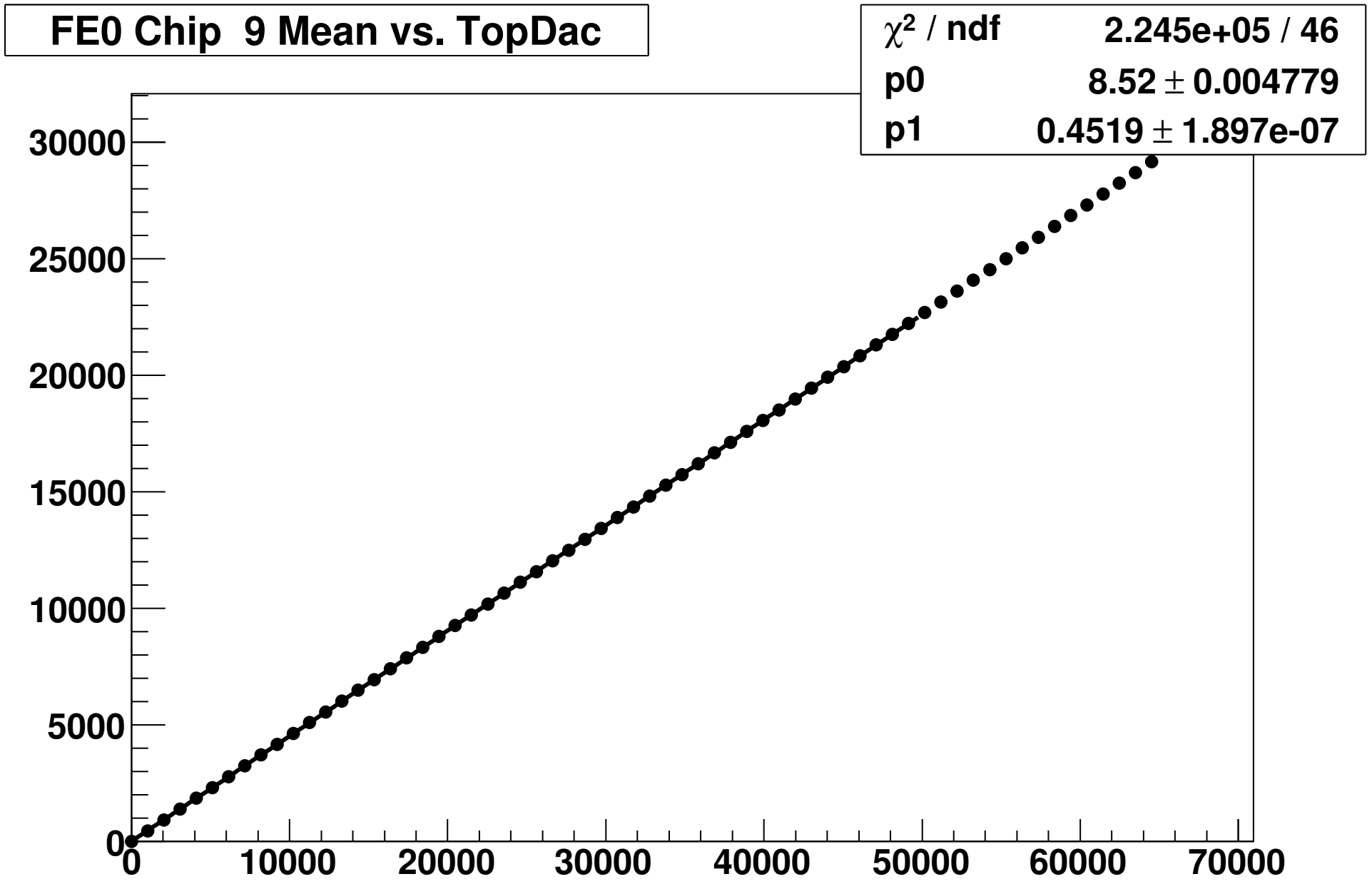
60000
70000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 2.245e+05 / 46
p0 8.52 ± 0.004779
p1 0.4519 ± 1.897e-07
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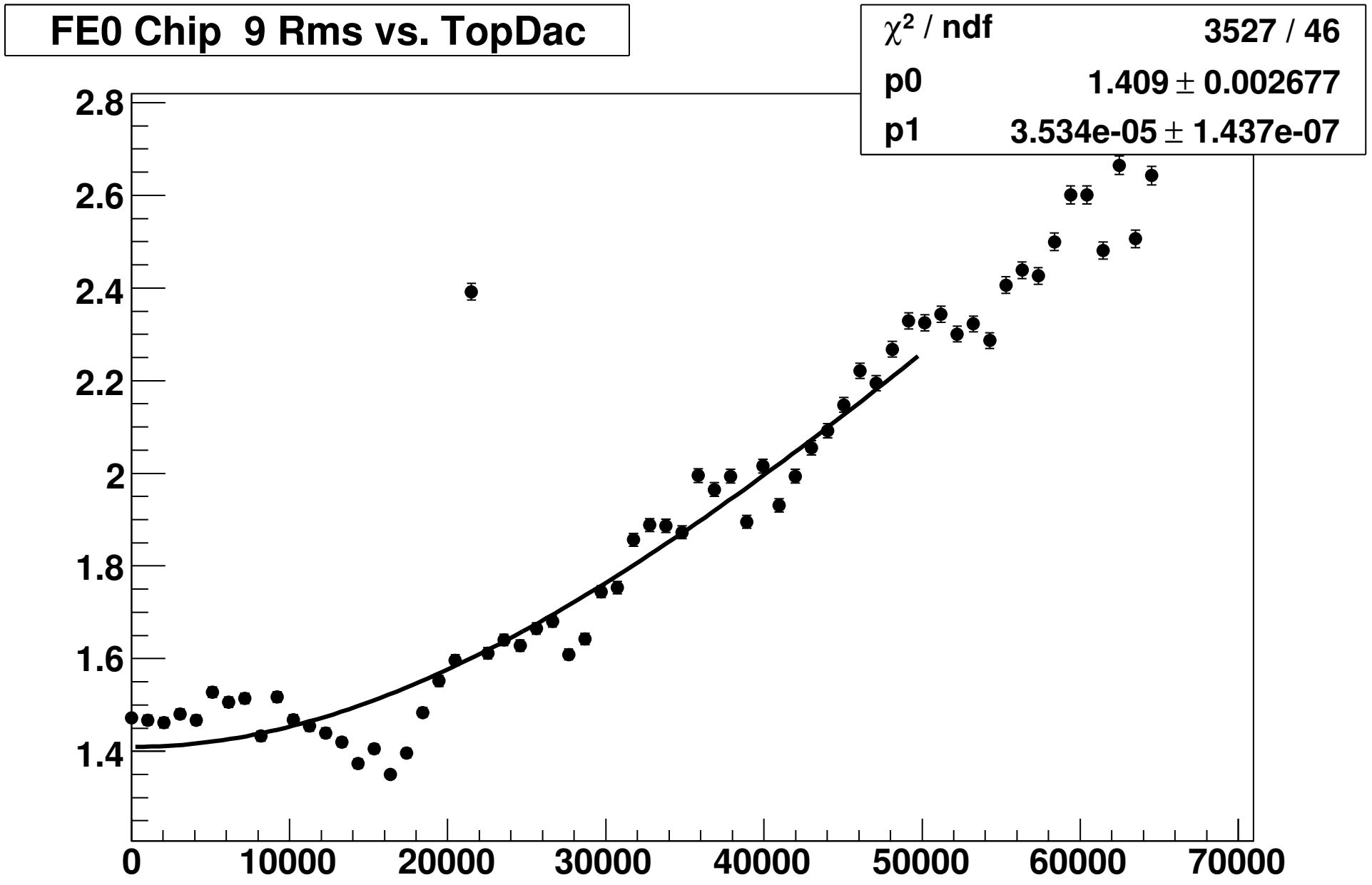
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 3527 / 46
p0 1.409 ± 0.002677
p1 3.534e-05 ± 1.437e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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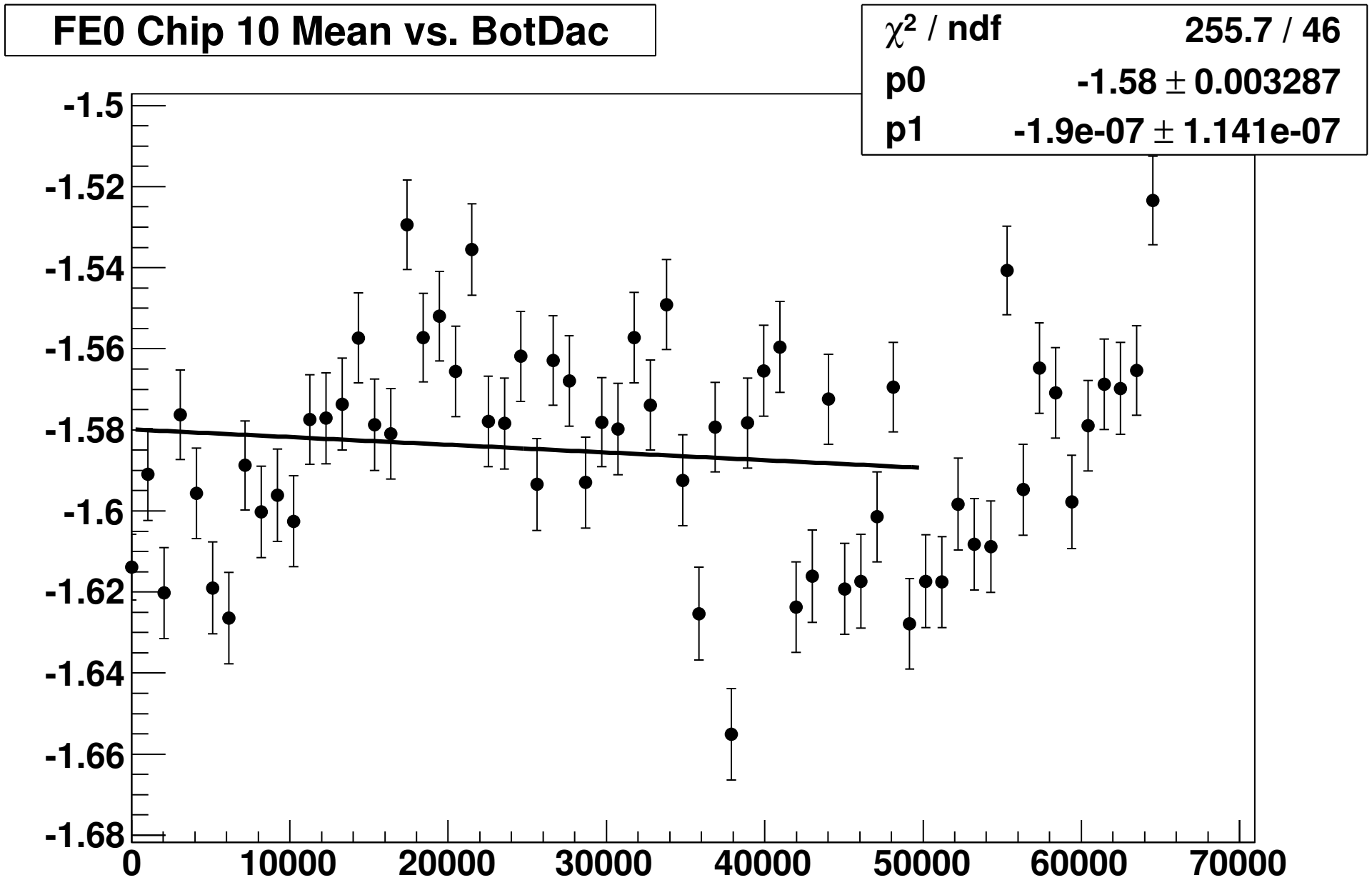
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 255.7 / 46
p0 -1.58 ± 0.003287
p1 -1.9e-07 ± 1.141e-07
-1.5
-1.52
-1.54
-1.56
-1.58
-1.6
-1.62
-1.64
-1.66
-1.68
0
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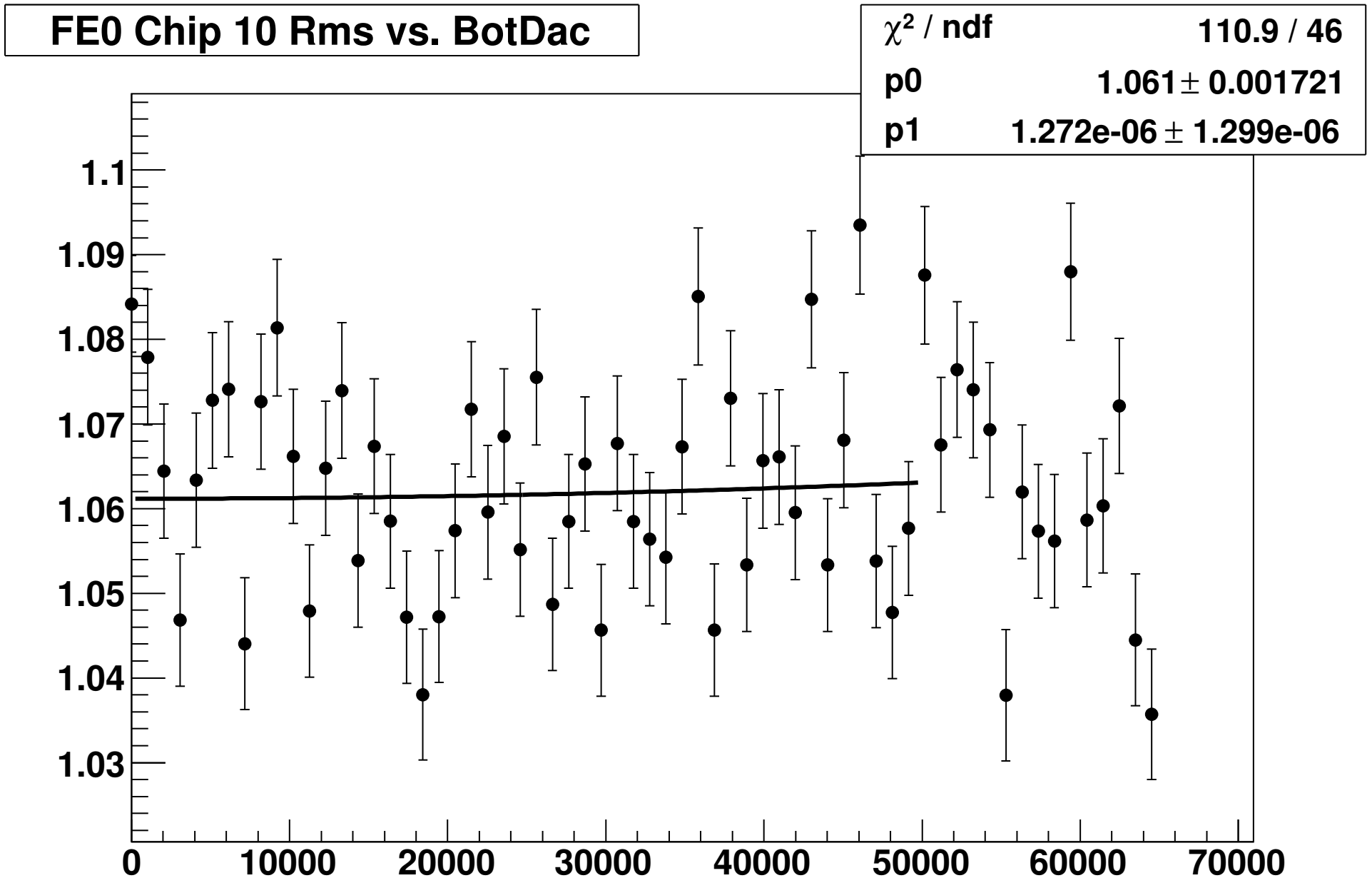
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 110.9 / 46
p0 1.061 ± 0.001721
p1 1.272e-06 ± 1.299e-06
1.1
1.09
1.08
1.07
1.06
1.05
1.04
1.03
0
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50000
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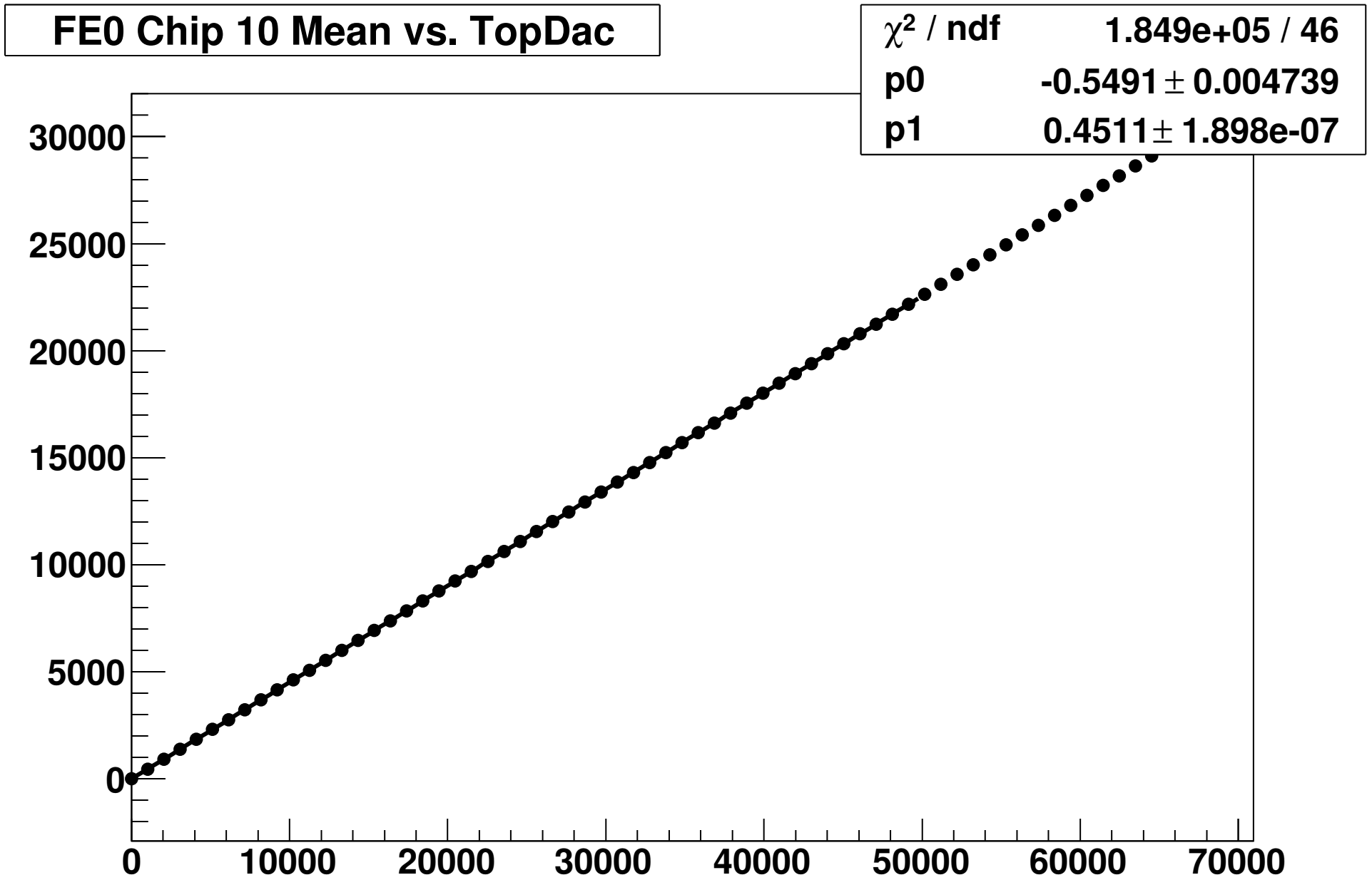
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.849e+05 / 46
p0 -0.5491 ± 0.004739
p1 0.4511 ± 1.898e-07
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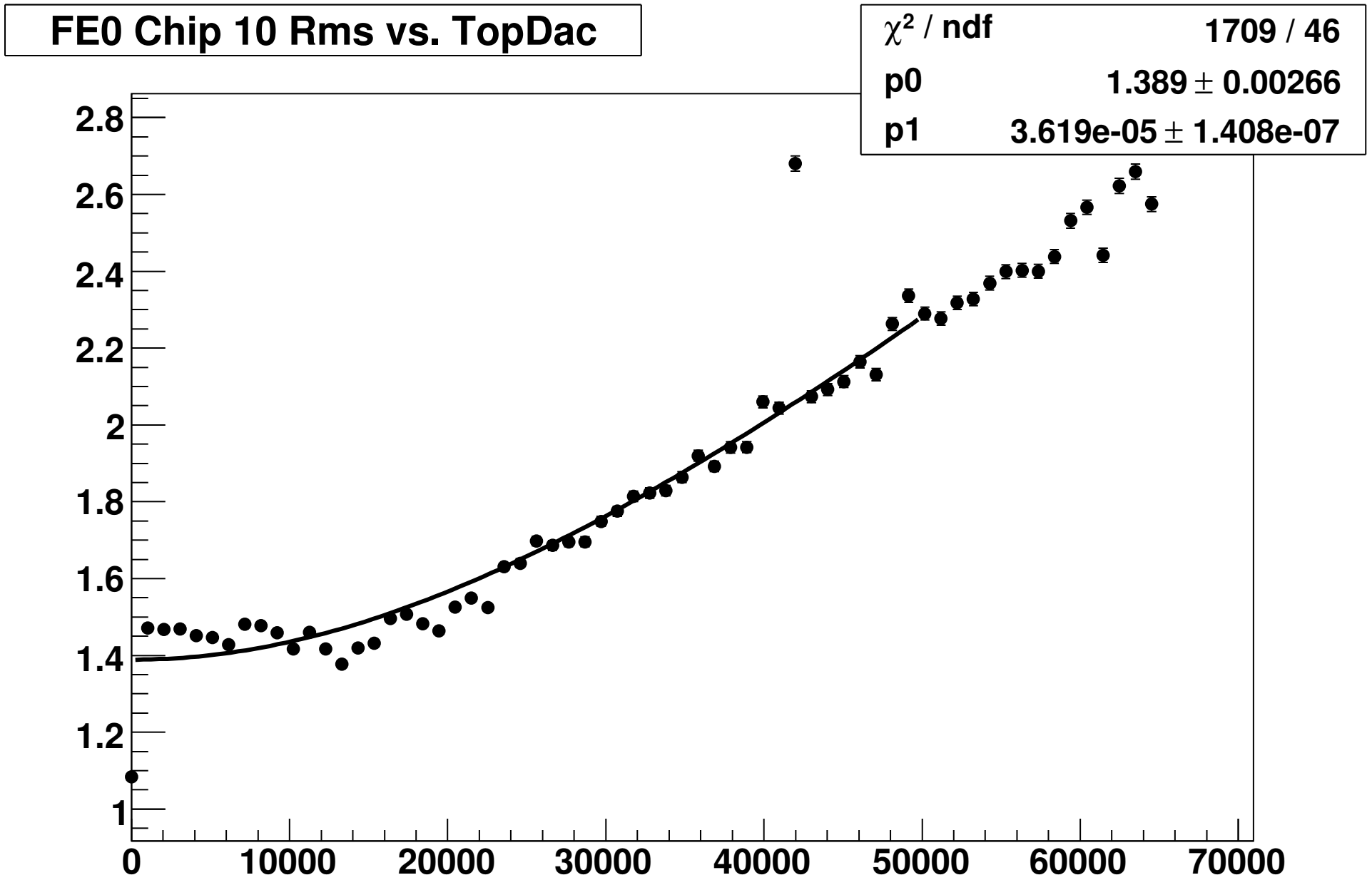
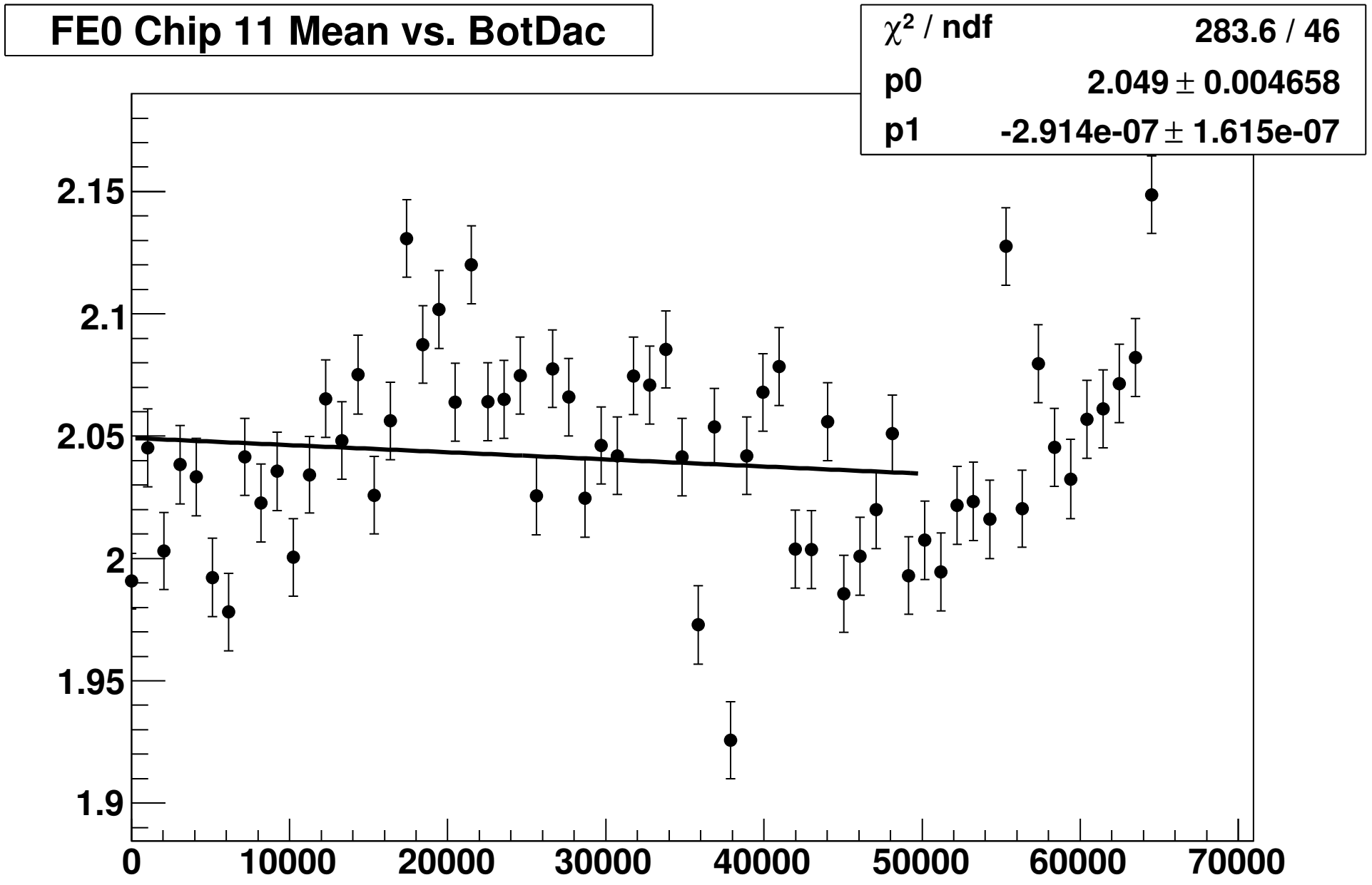
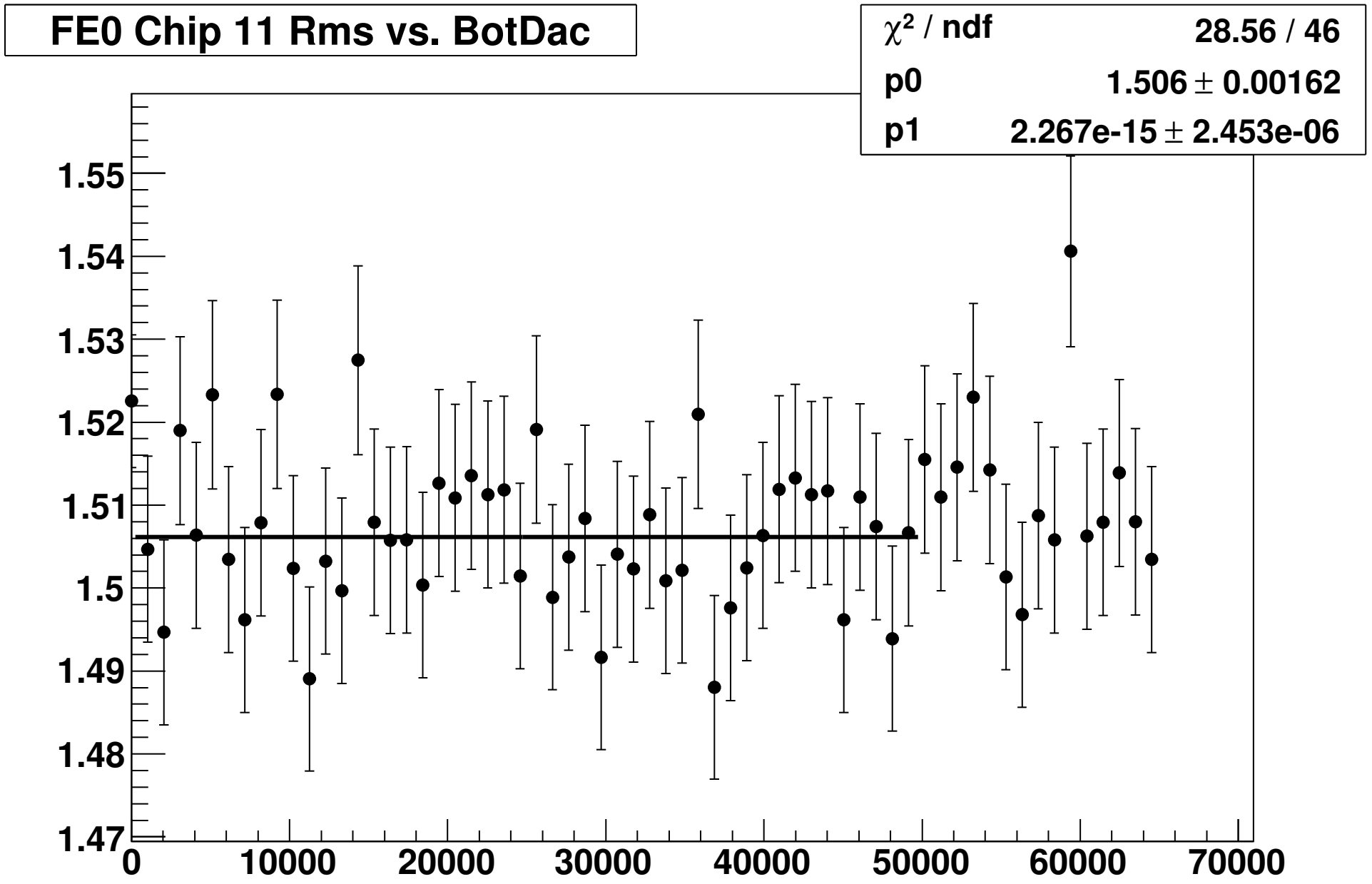
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1709 / 46
p0 1.389 ± 0.00266
p1 3.619e-05 ± 1.408e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 283.6 / 46
p0 2.049 ± 0.004658
p1 -2.914e-07 ± 1.615e-07
2.15
2.1
2.05
2
1.95
1.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 28.56 / 46
p0 1.506 ± 0.00162
p1 2.267e-15 ± 2.453e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
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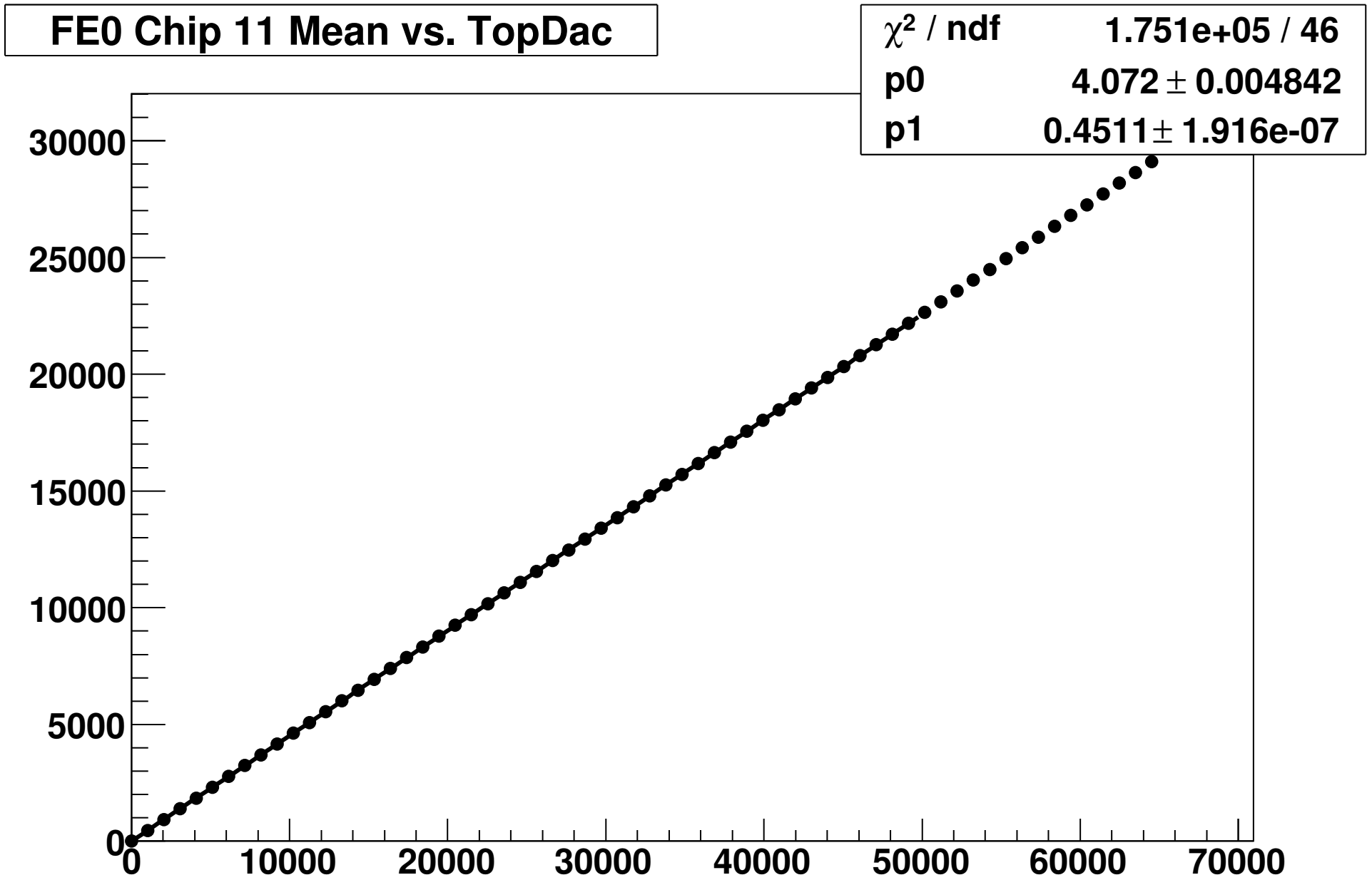
FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.751e+05 / 46
p0 4.072 ± 0.004842
p1 0.4511 ± 1.916e-07
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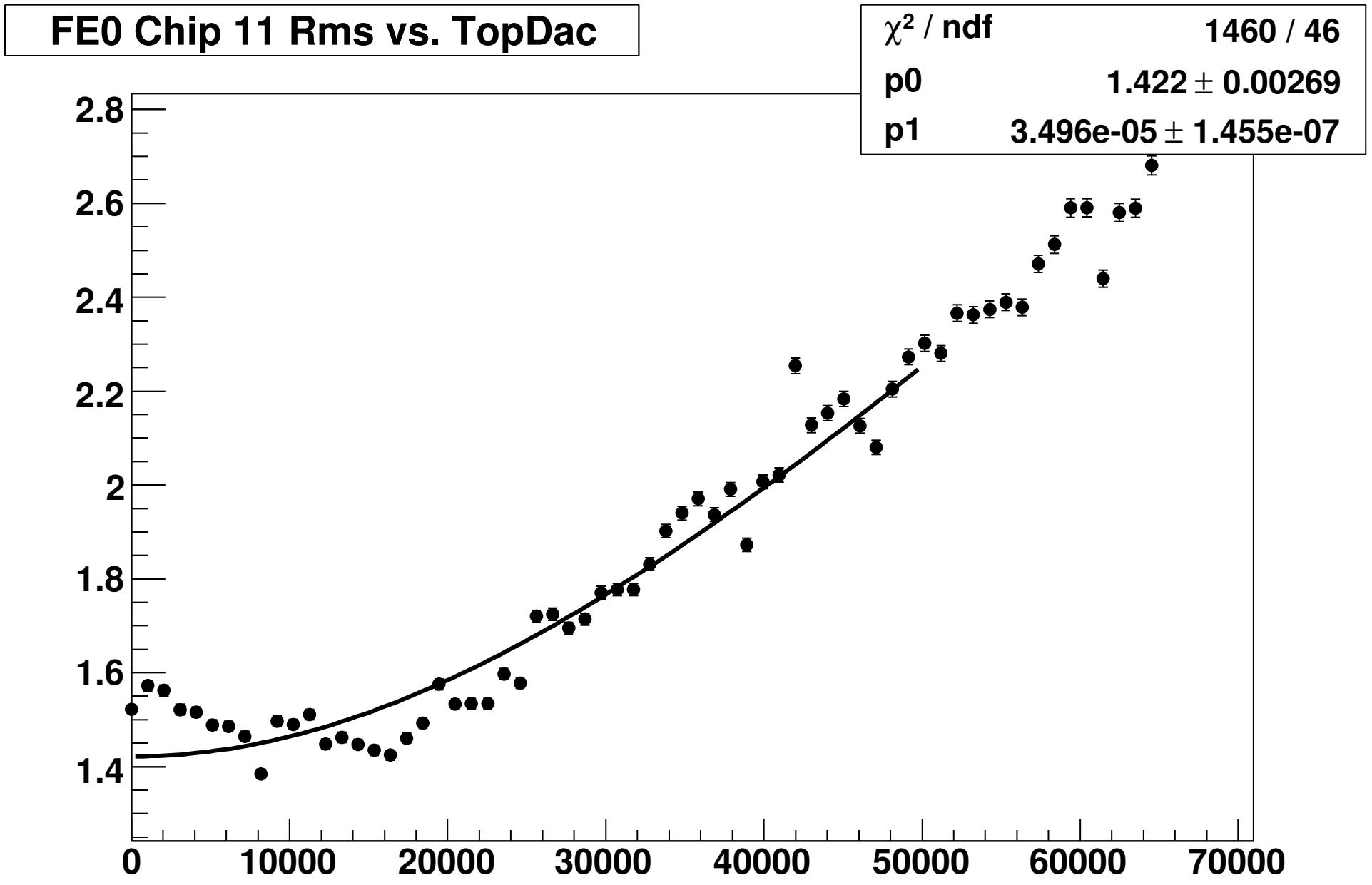
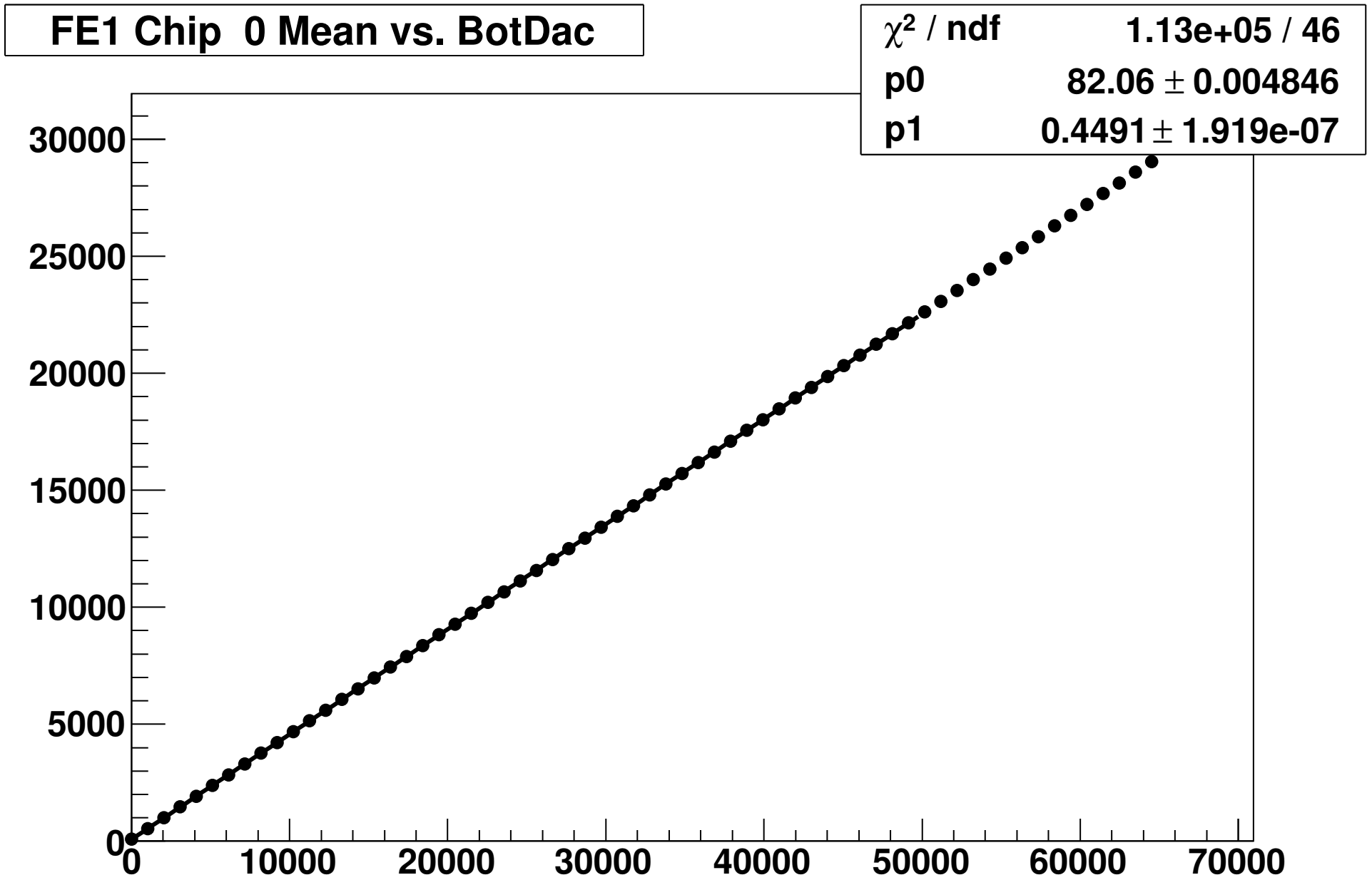
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1460 / 46
p0 1.422 ± 0.00269
p1 3.496e-05 ± 1.455e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.13e+05 / 46
p0 82.06 ± 0.004846
p1 0.4491 ± 1.919e-07
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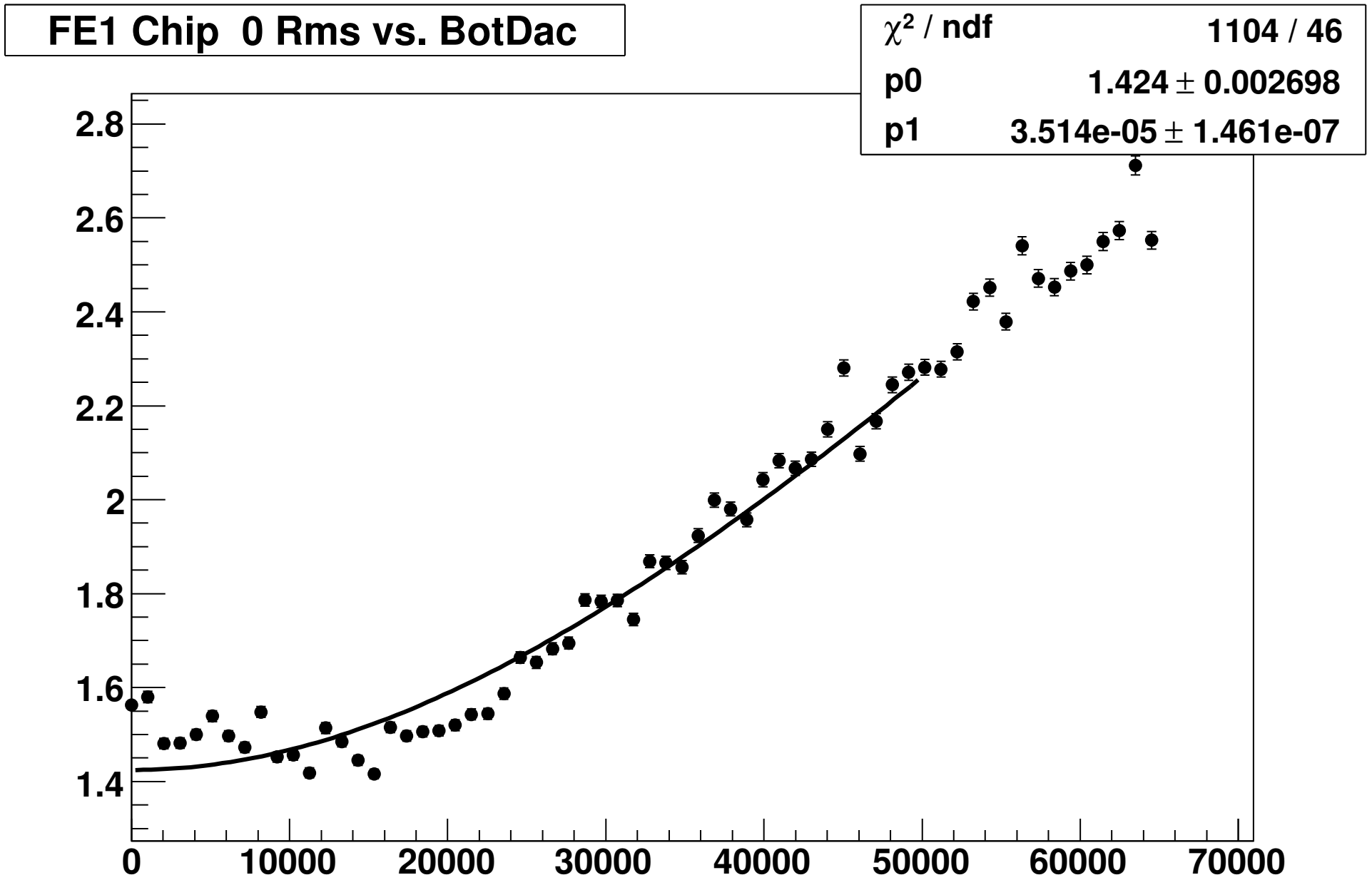
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1104 / 46
p0 1.424 ± 0.002698
p1 3.514e-05 ± 1.461e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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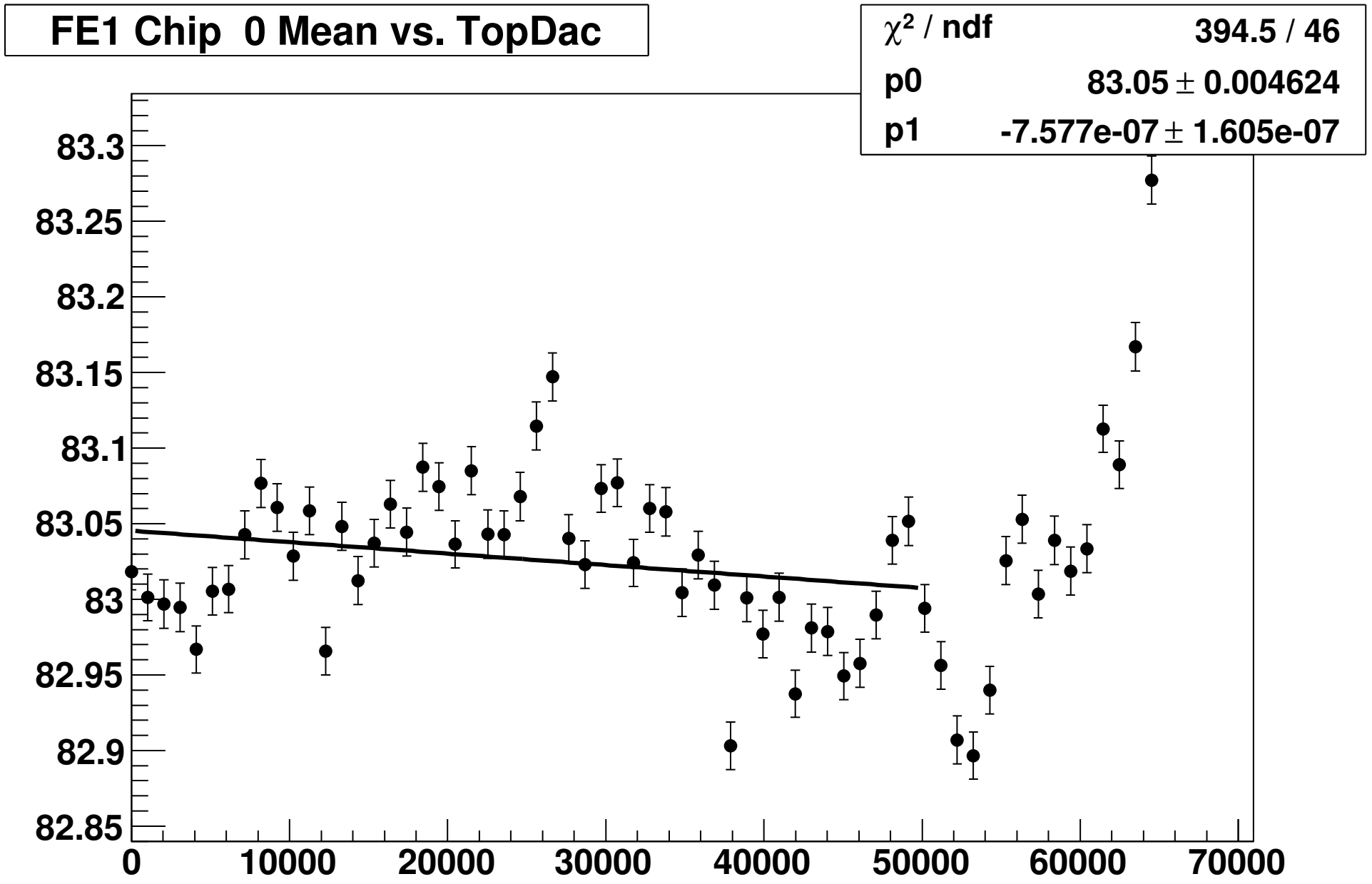
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 394.5 / 46
p0 83.05 ± 0.004624
p1 -7.577e-07 ± 1.605e-07
83.3
83.25
83.2
83.15
83.1
83.05
83
82.95
82.9
82.85
0
10000
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30000
40000
50000
60000
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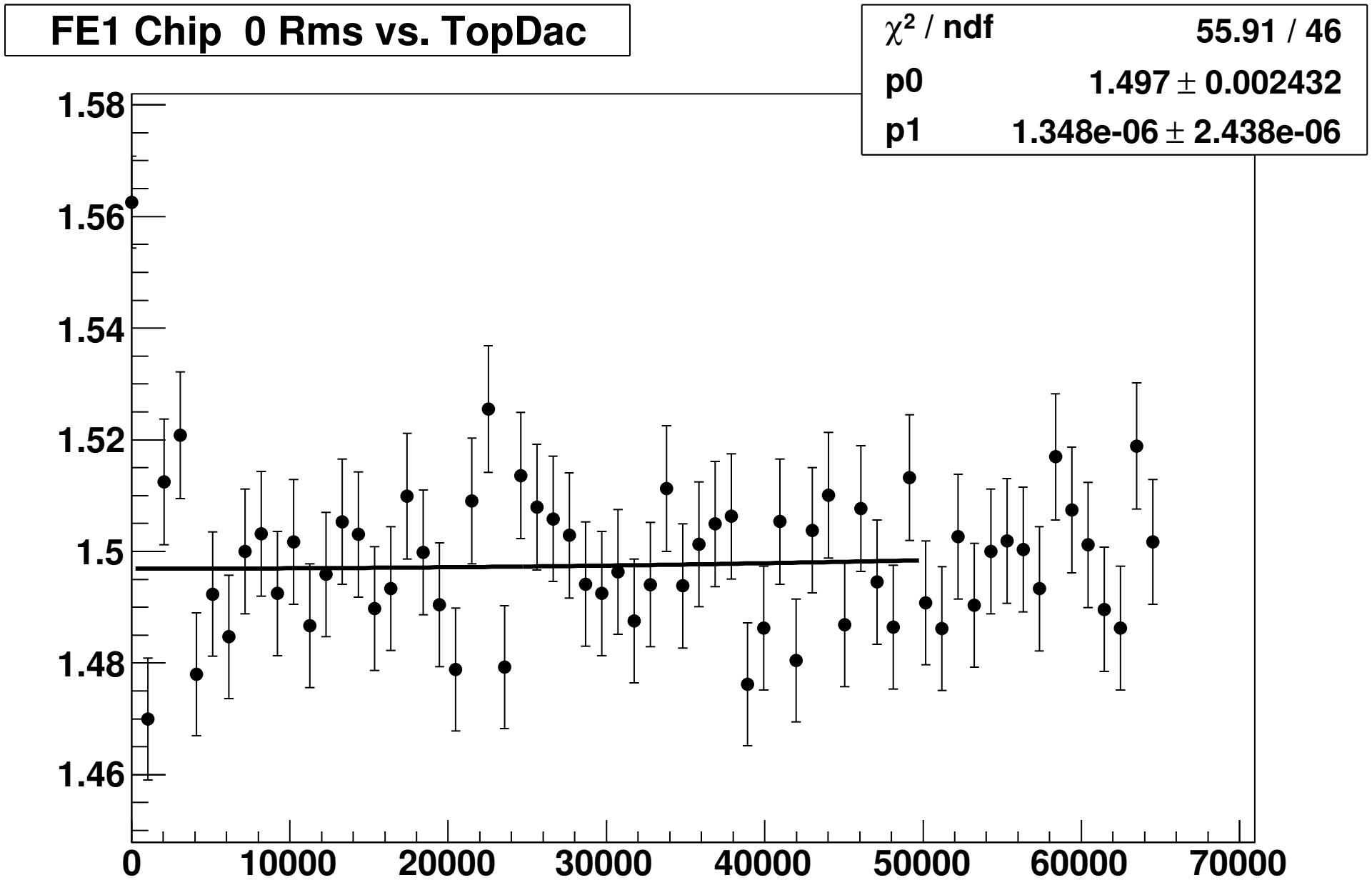
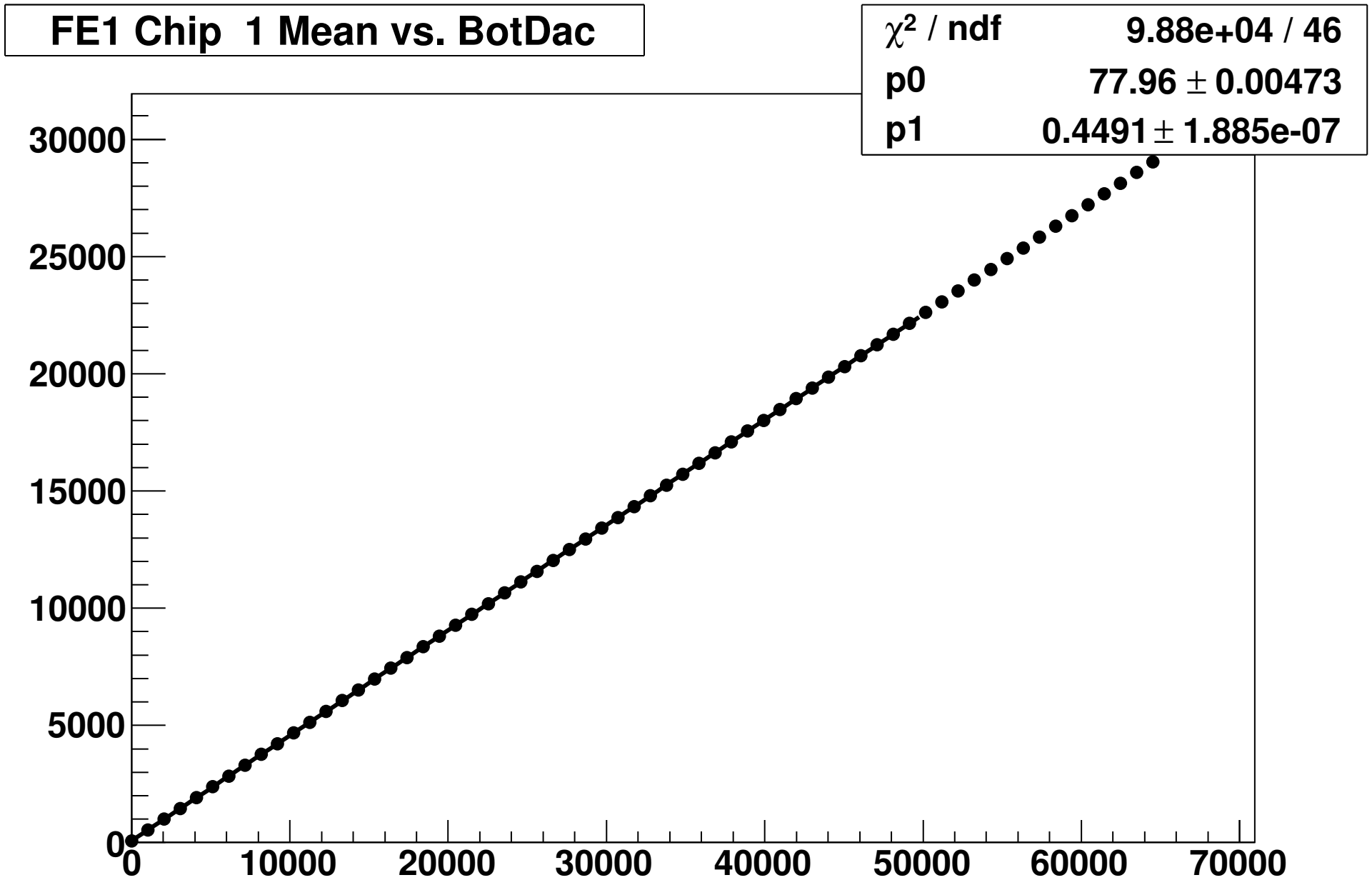

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 55.91 / 46
p0 1.497 ± 0.002432
p1 1.348e-06 ± 2.438e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 9.88e+04 / 46
p0 77.96 ± 0.00473
p1 0.4491 ± 1.885e-07
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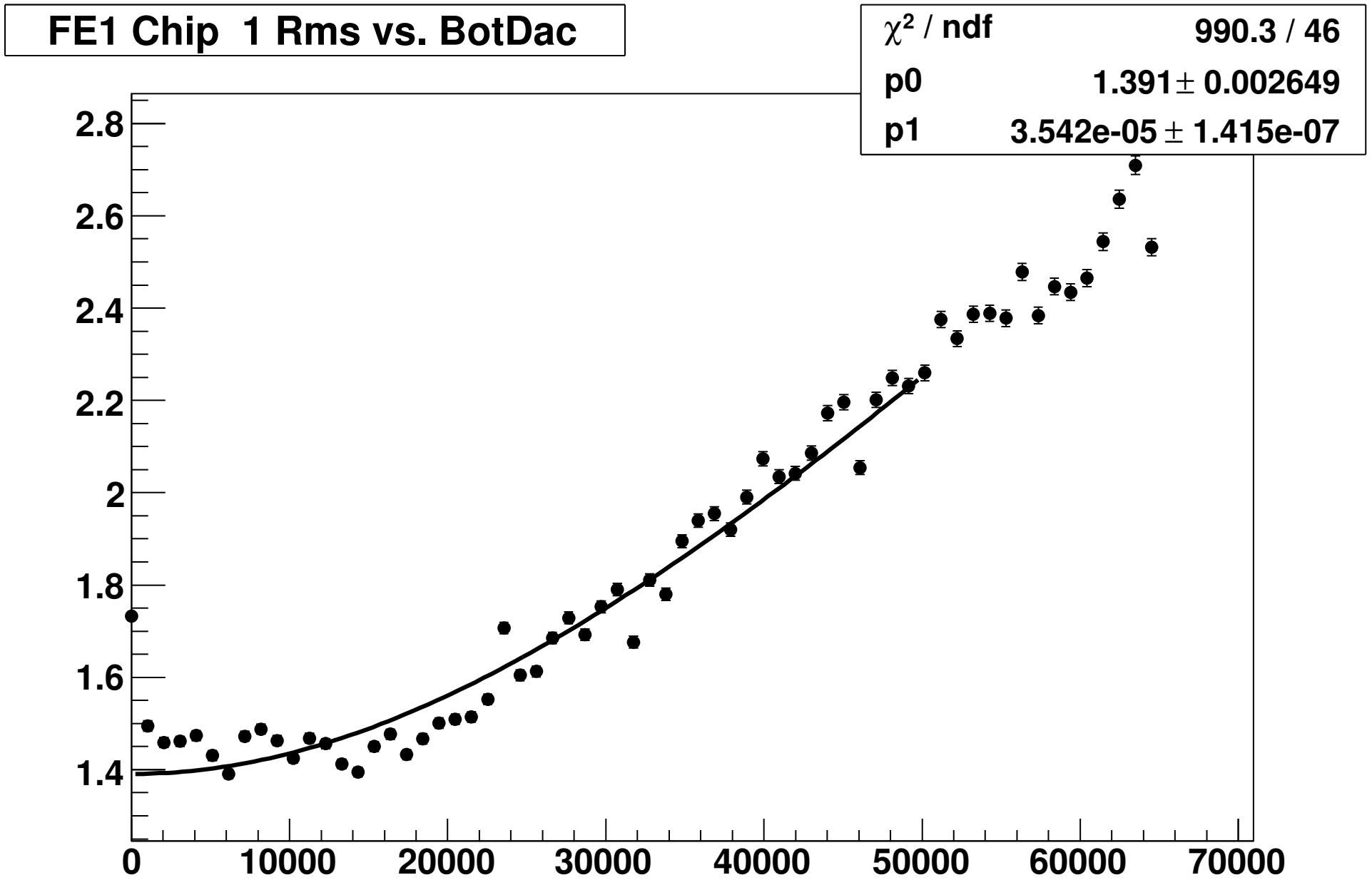
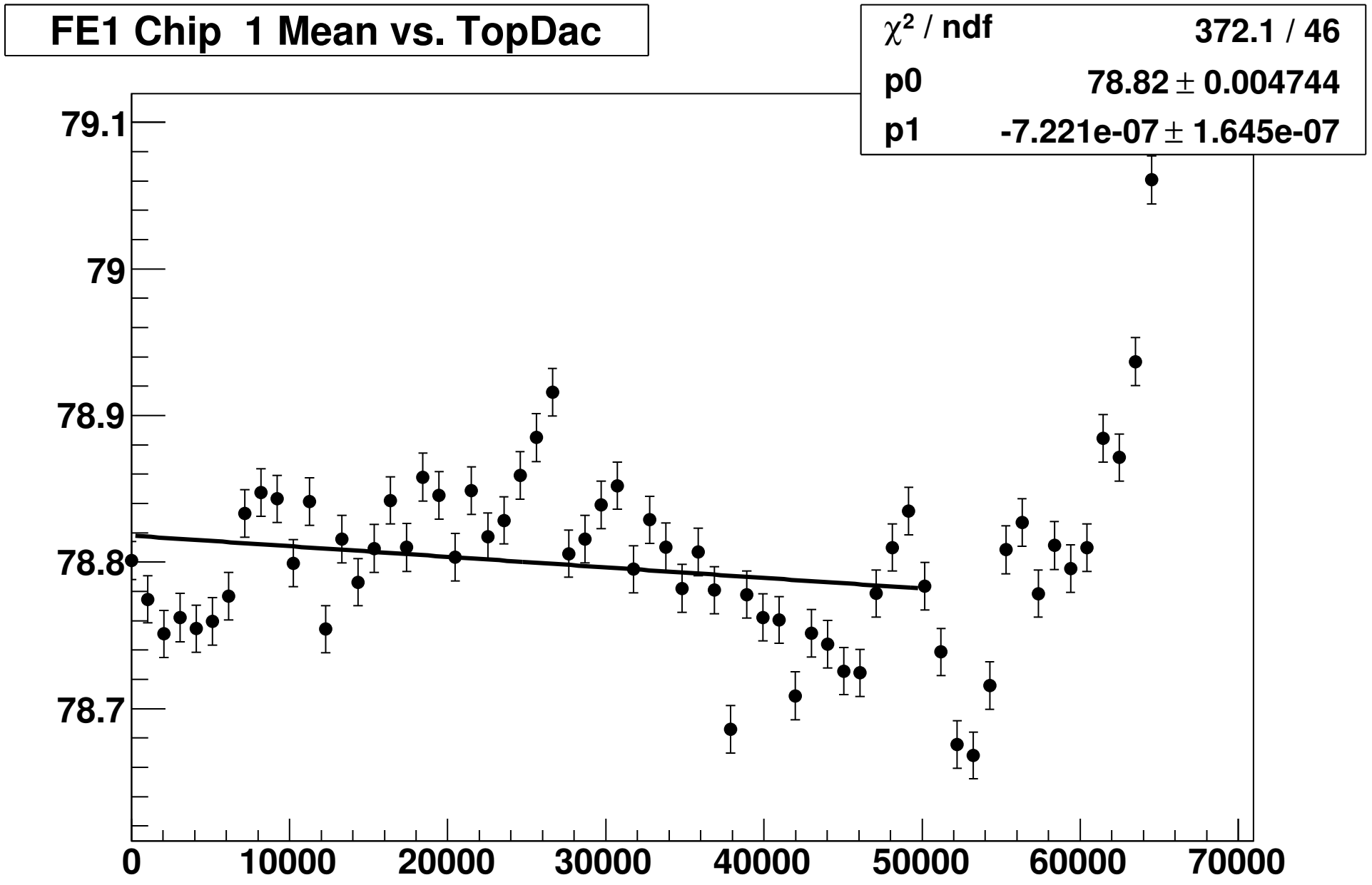
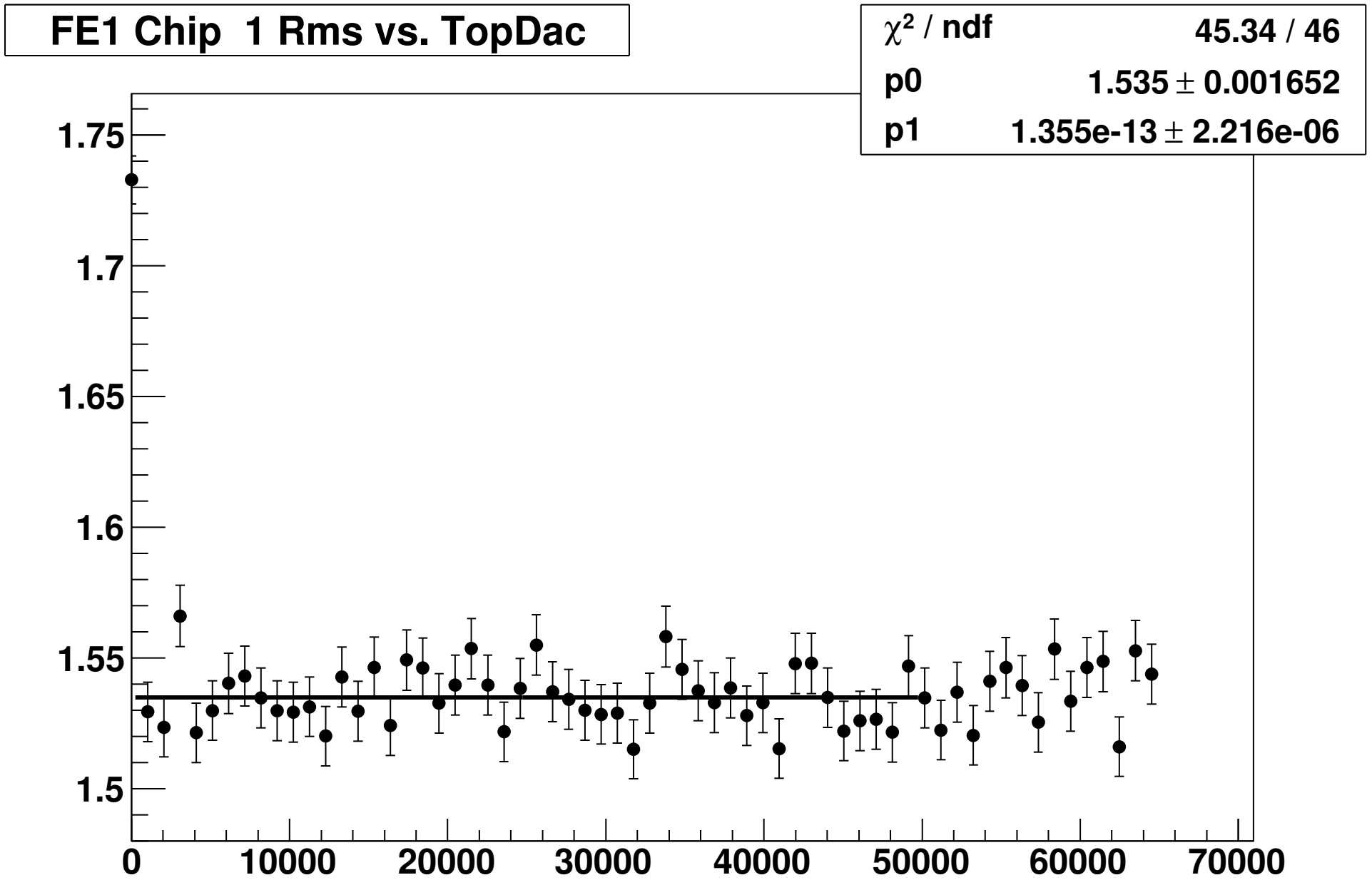
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 990.3 / 46
p0 1.391 ± 0.002649
p1 3.542e-05 ± 1.415e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 372.1 / 46
p0 78.82 ± 0.004744
p1 -7.221e-07 ± 1.645e-07
79.1
79
78.9
78.8
78.7
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 45.34 / 46
p0 1.535 ± 0.001652
p1 1.355e-13 ± 2.216e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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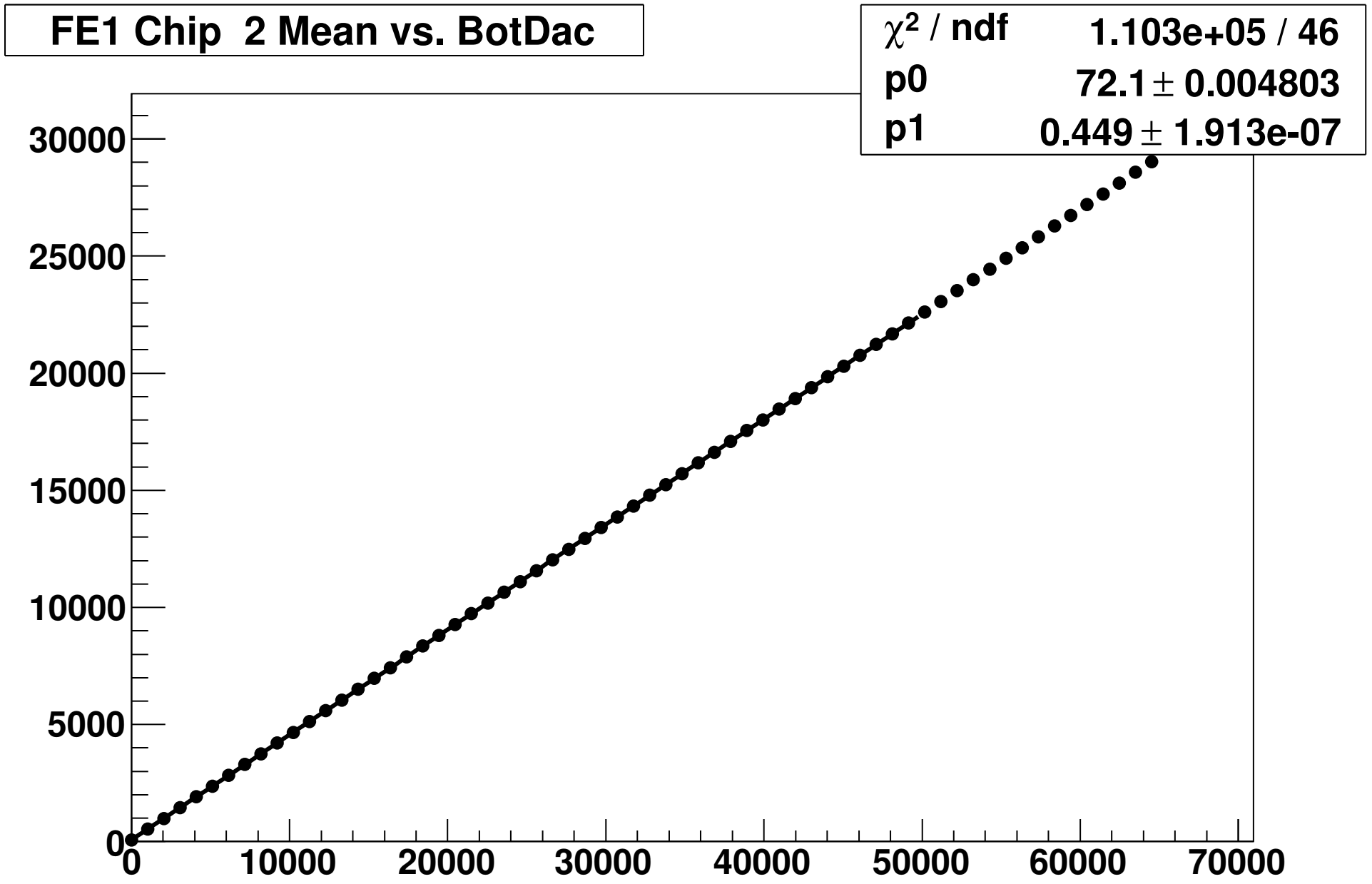
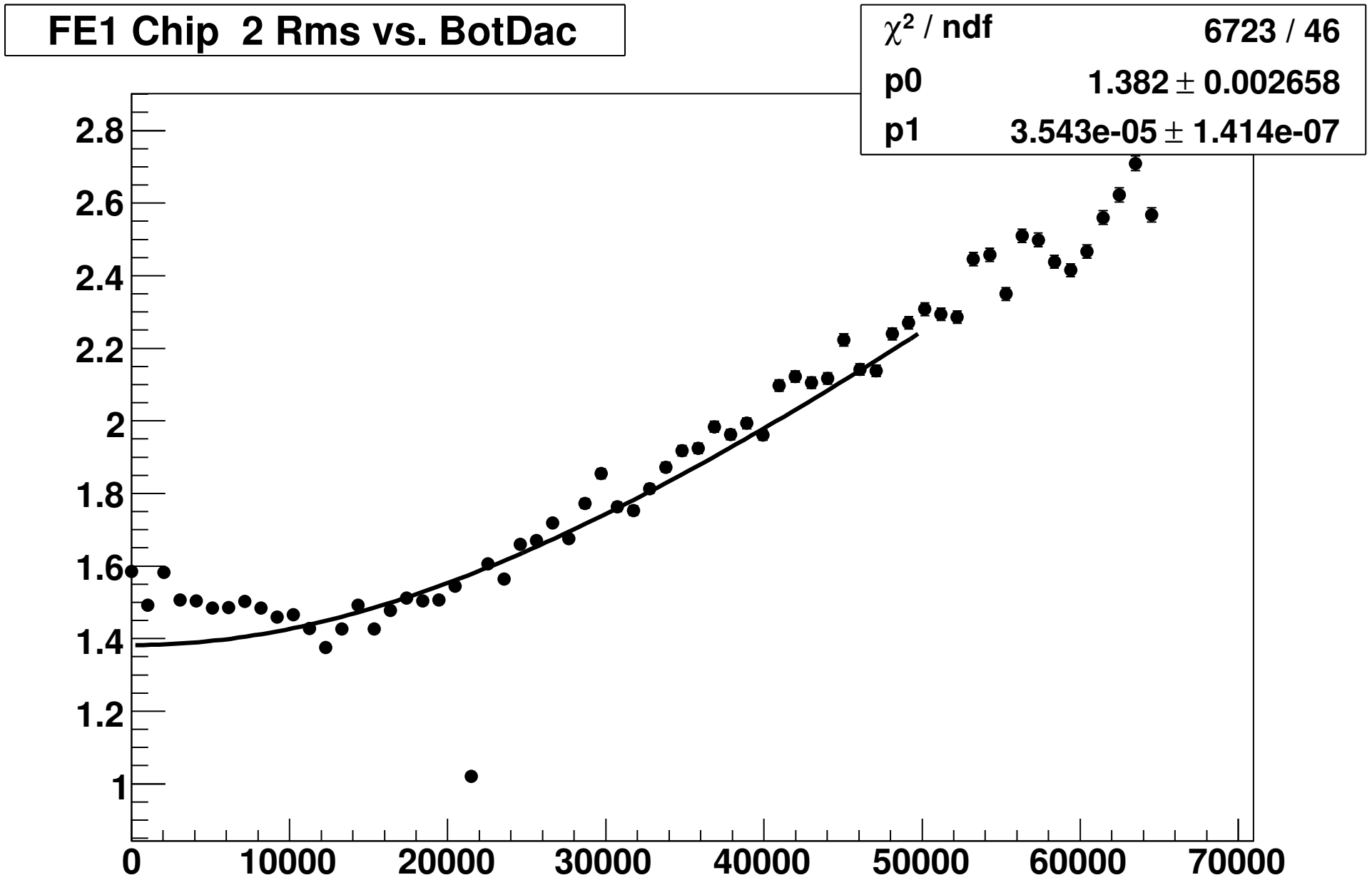
50000
60000
70000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.103e+05 / 46
p0 72.1 ± 0.004803
p1 0.449 ± 1.913e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 6723 / 46
p0 1.382 ± 0.002658
p1 3.543e-05 ± 1.414e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
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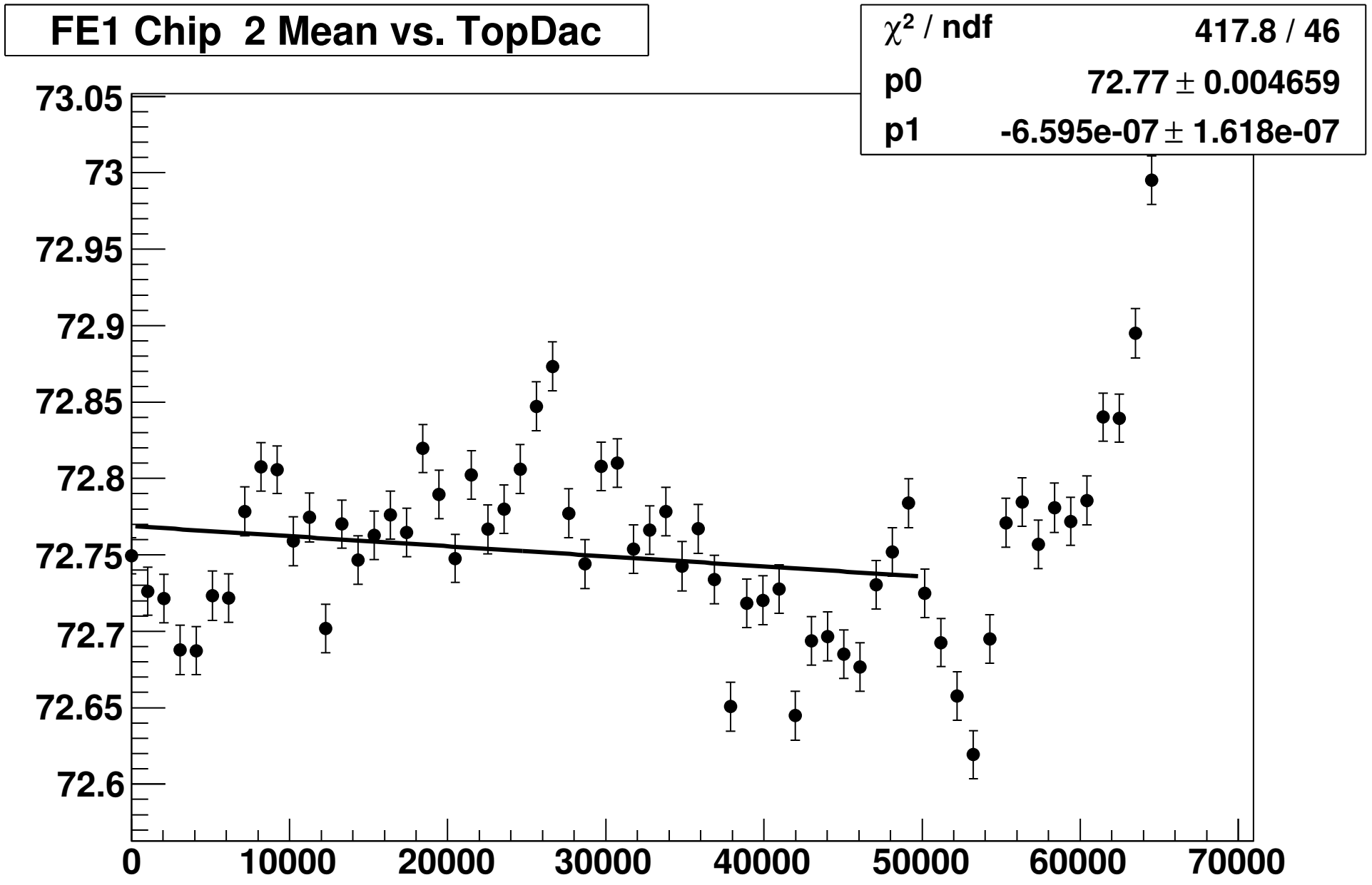
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 417.8 / 46
p0 72.77 ± 0.004659
p1 -6.595e-07 ± 1.618e-07
73.05
73
72.95
72.9
72.85
72.8
72.75
72.7
72.65
72.6
0
10000
20000
30000
40000
50000
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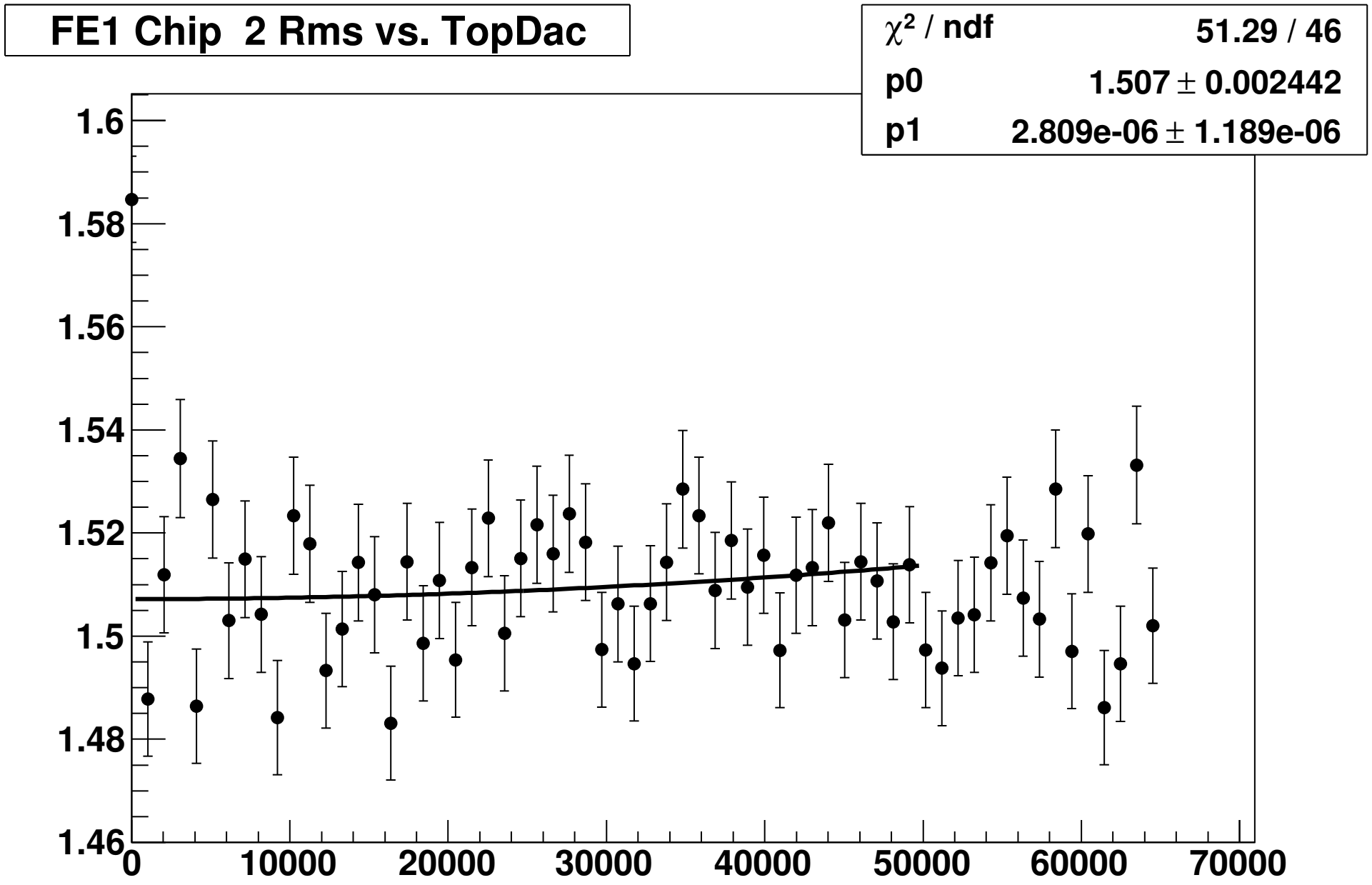
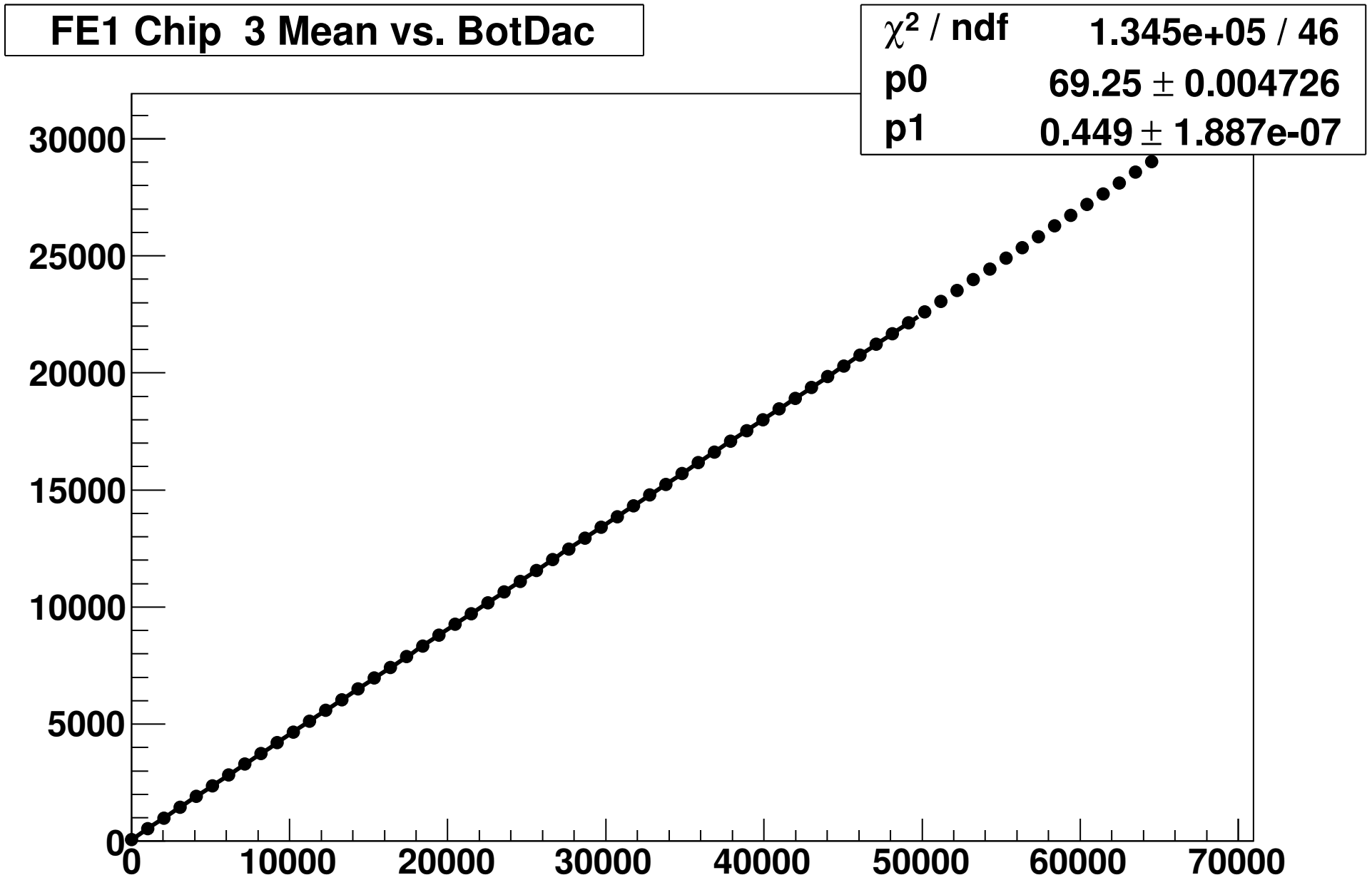
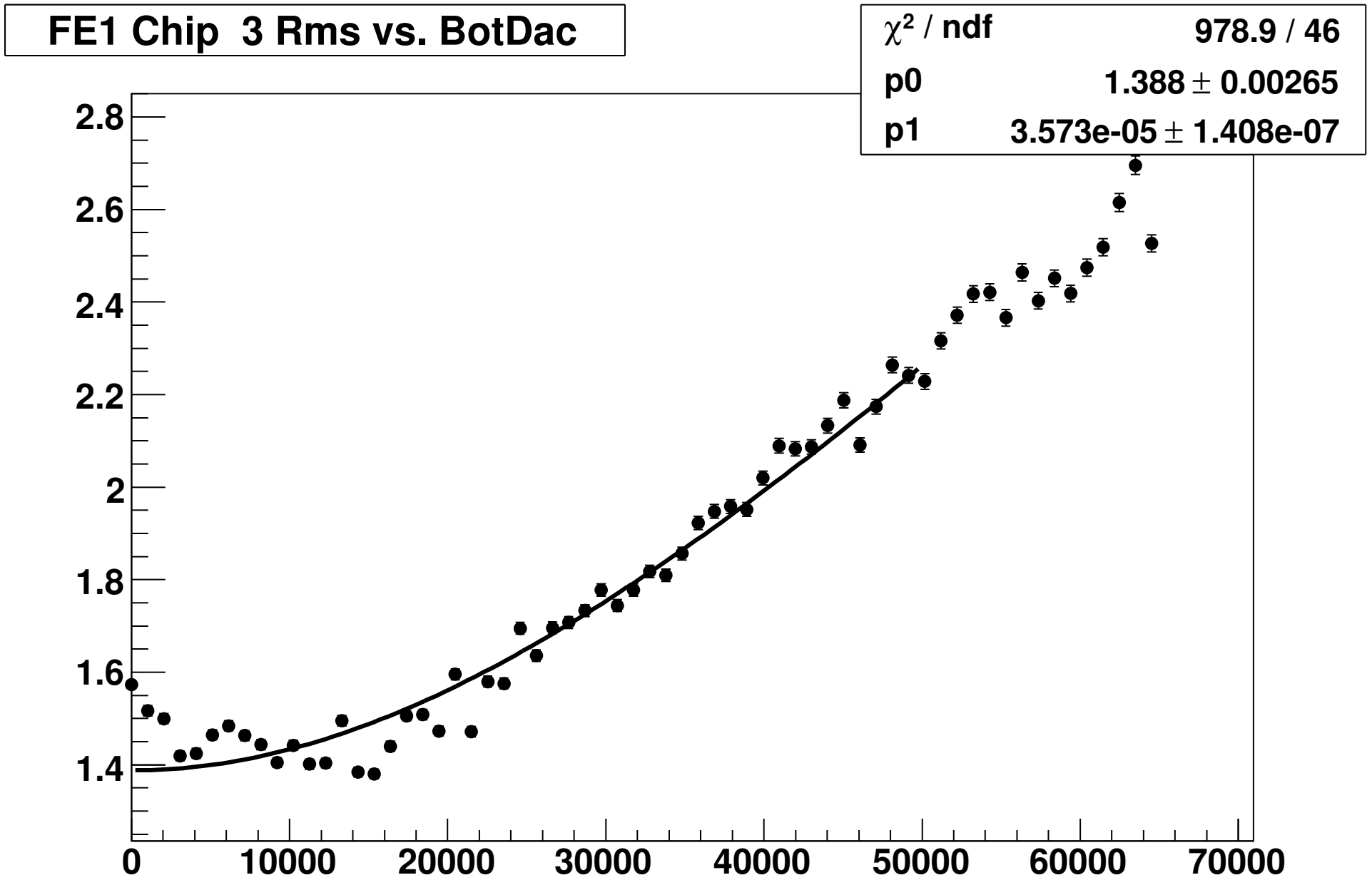
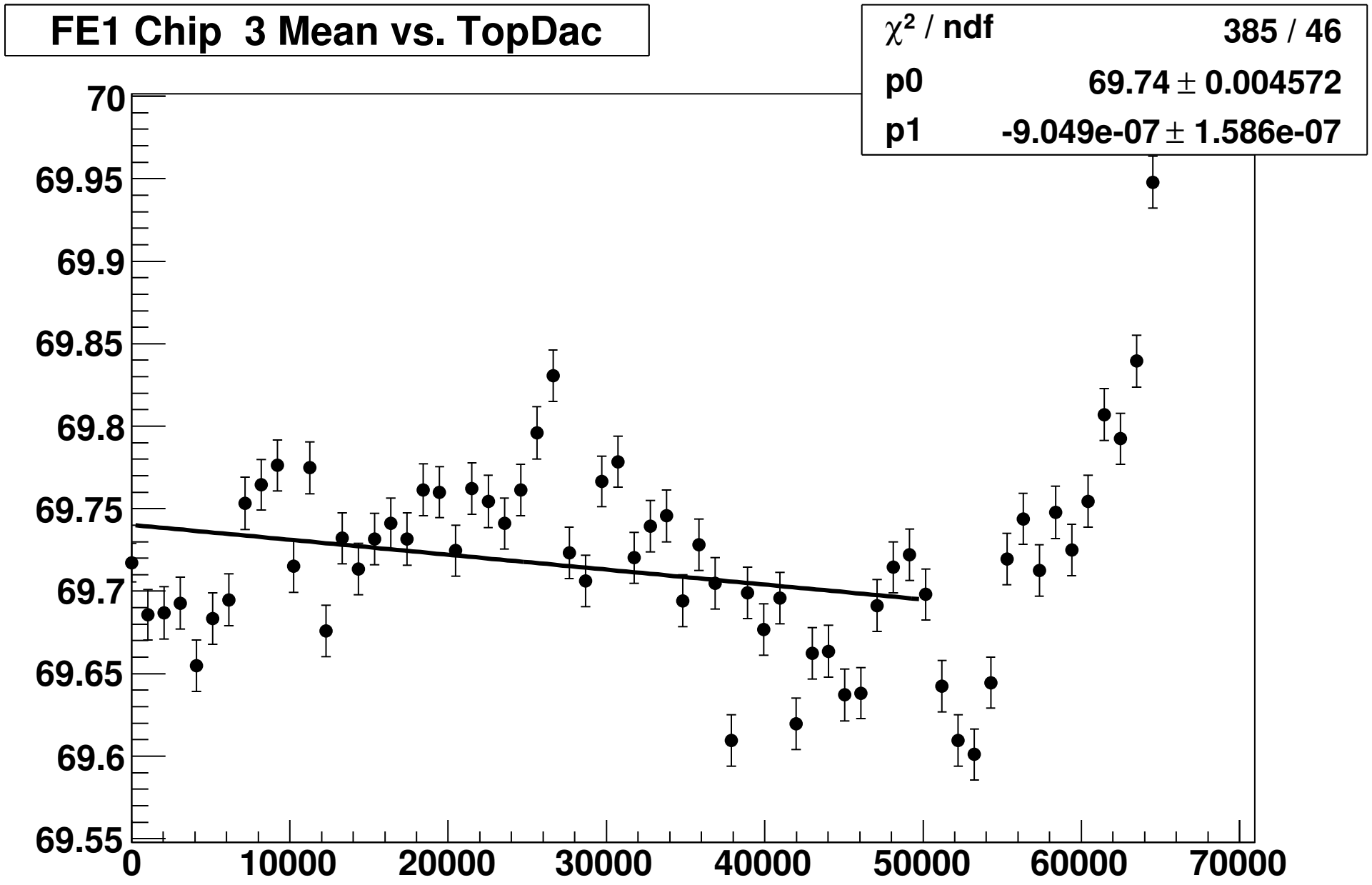

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 51.29 / 46
p0 1.507 ± 0.002442
p1 2.809e-06 ± 1.189e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.345e+05 / 46
p0 69.25 ± 0.004726
p1 0.449 ± 1.887e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 978.9 / 46
p0 1.388 ± 0.00265
p1 3.573e-05 ± 1.408e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 385 / 46
p0 69.74 ± 0.004572
p1 -9.049e-07 ± 1.586e-07
70
69.95
69.9
69.85
69.8
69.75
69.7
69.65
69.6
69.55
0
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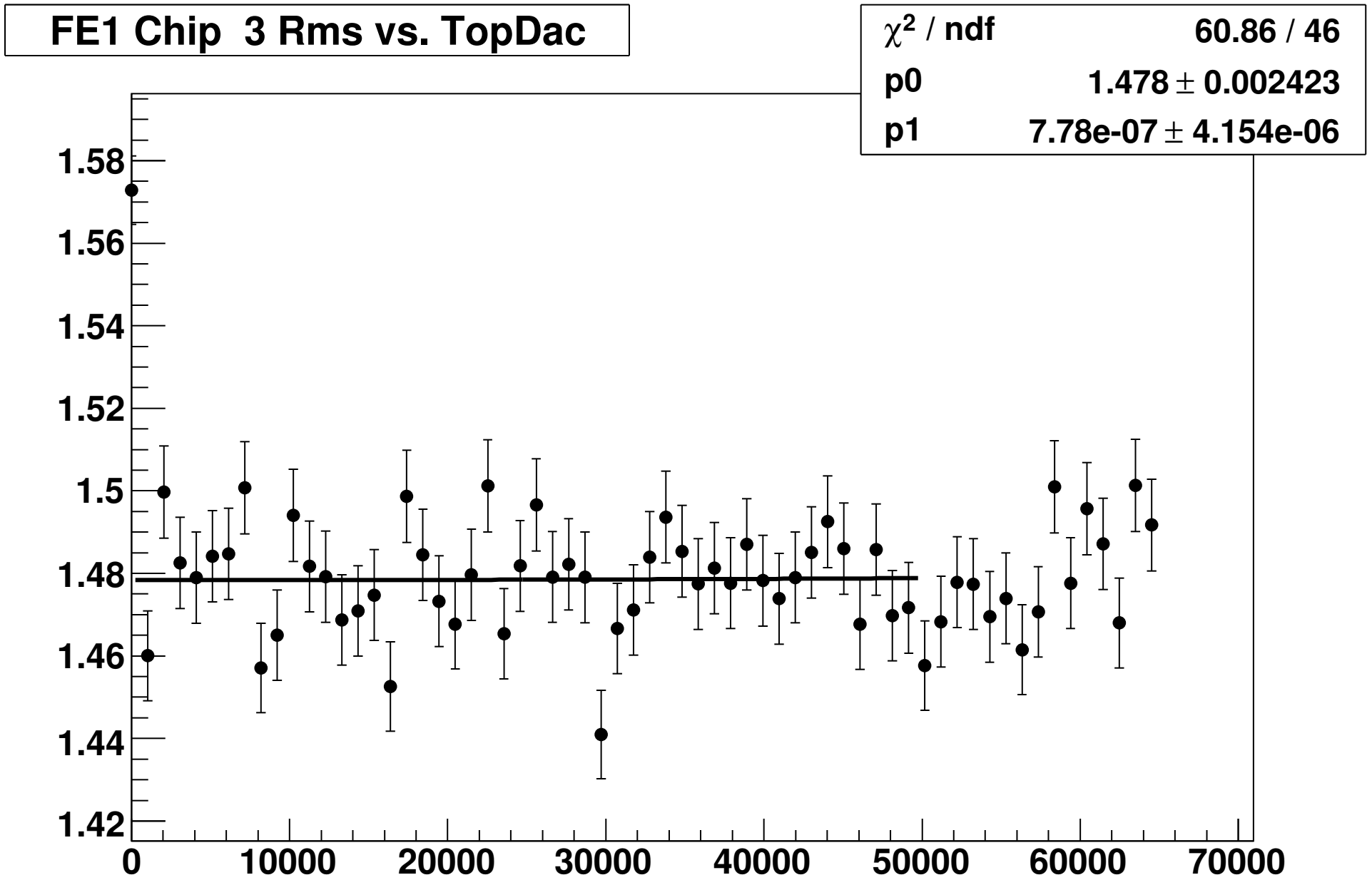
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 60.86 / 46
p0 1.478 ± 0.002423
p1 7.78e-07 ± 4.154e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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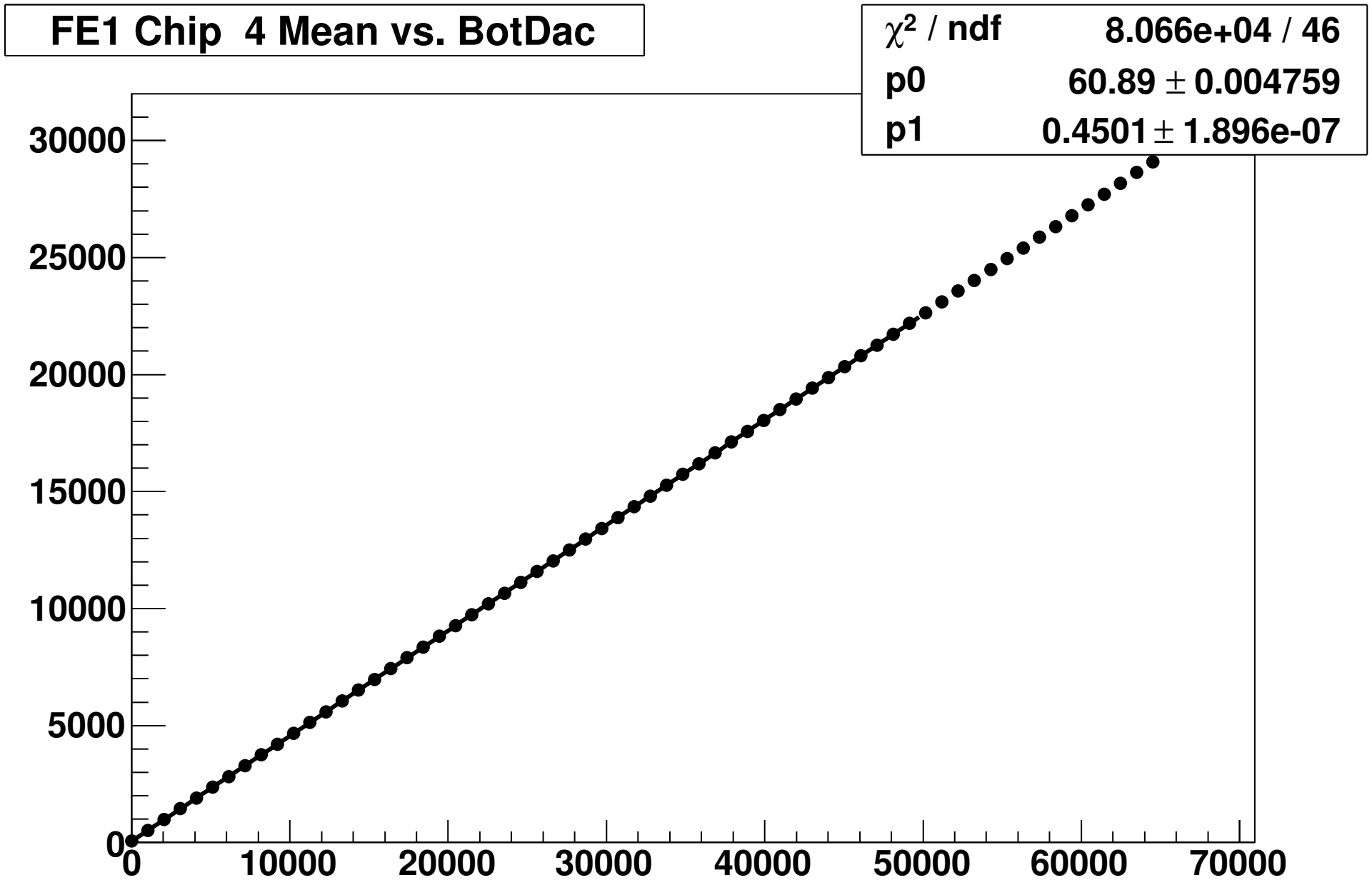
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 8.066e+04 / 46
p0 60.89 ± 0.004759
p1 0.4501 ± 1.896e-07
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25000
20000
15000
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5000
0
0
10000
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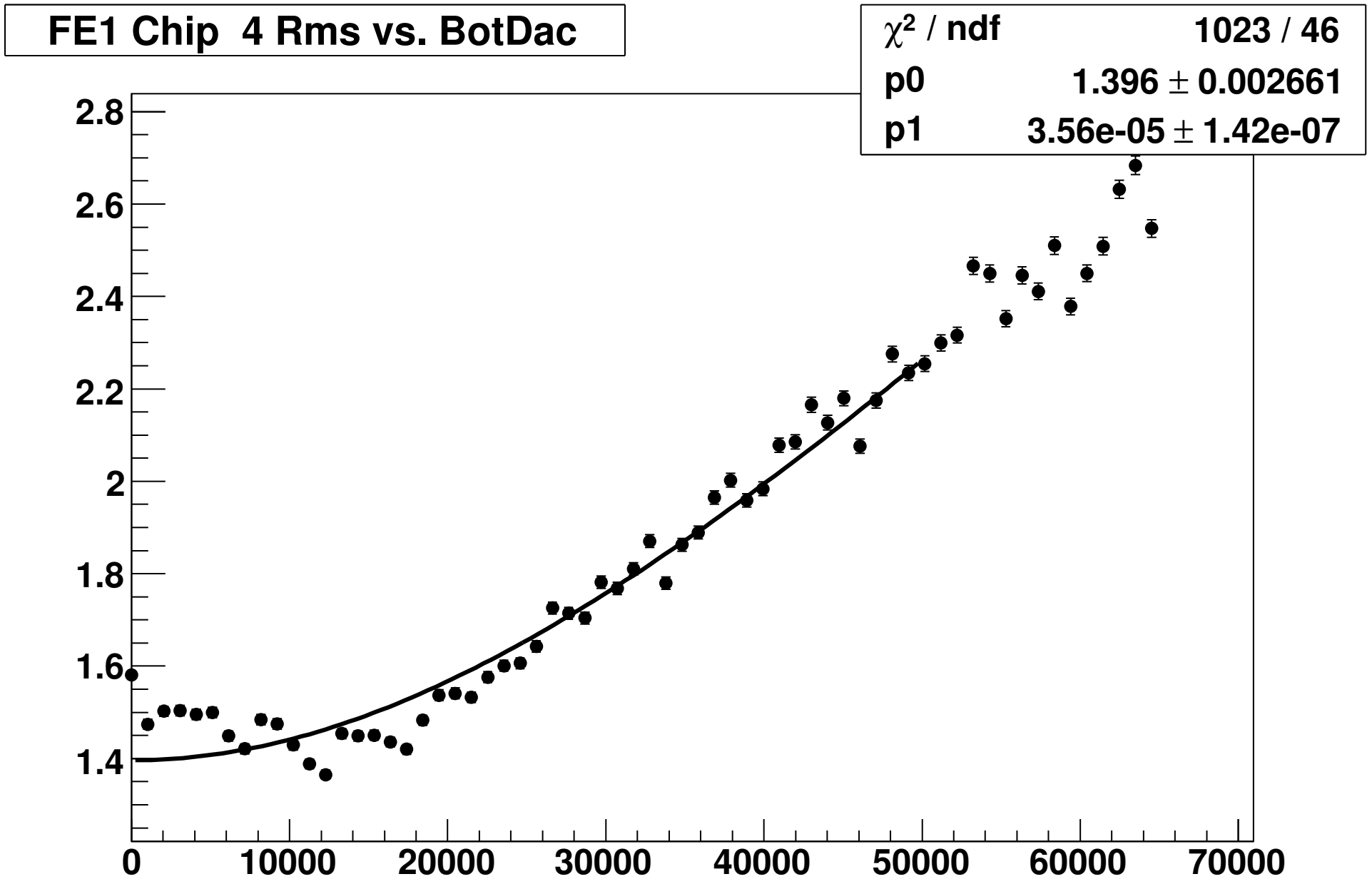
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1023 / 46
p0 1.396 ± 0.002661
p1 3.56e-05 ± 1.42e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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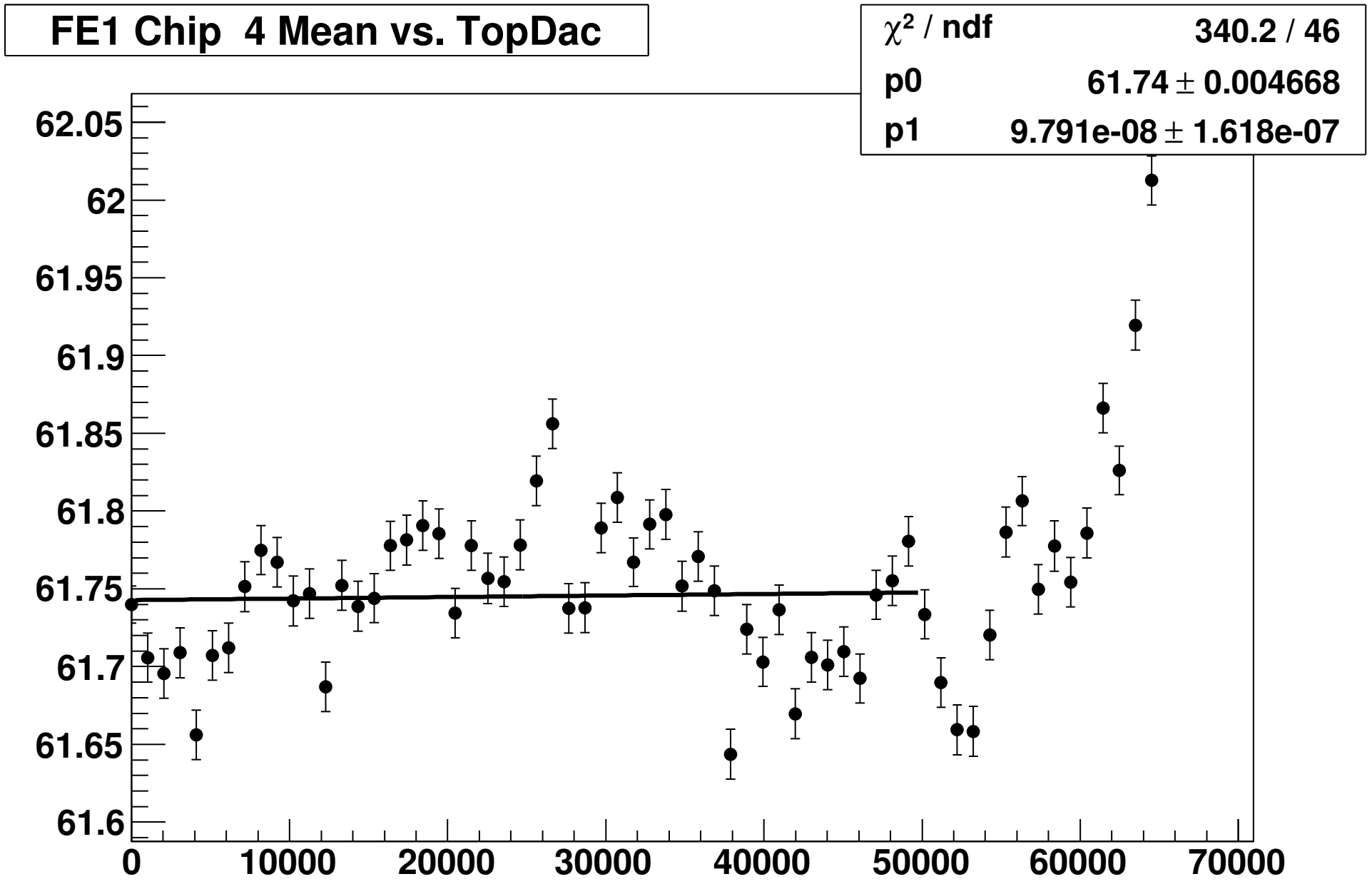
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 340.2 / 46
p0 61.74 ± 0.004668
p1 9.791e-08 ± 1.618e-07
62.05
62
61.95
61.9
61.85
61.8
61.75
61.7
61.65
61.6
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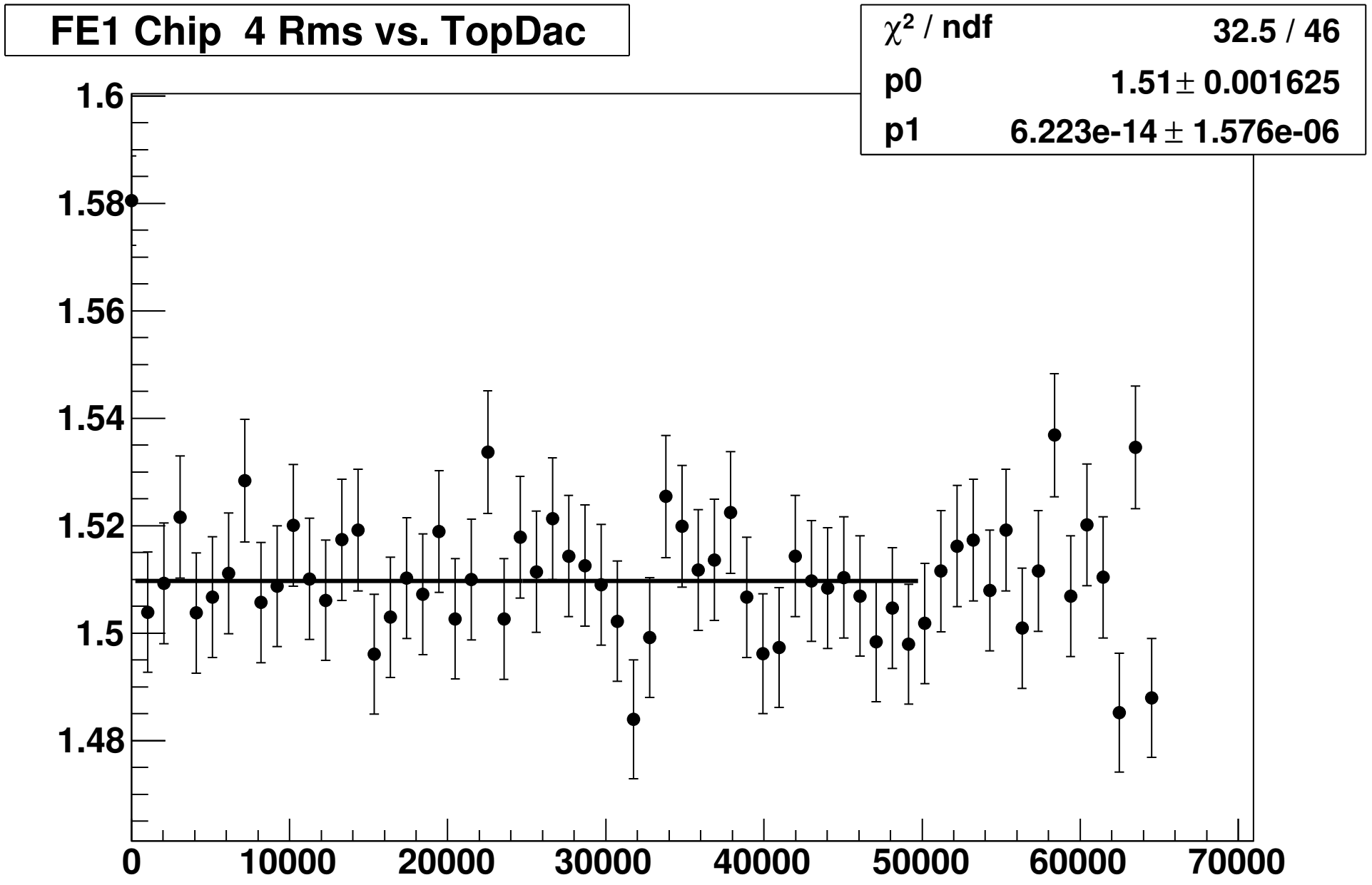
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 32.5 / 46
p0 1.51 ± 0.001625
p1 6.223e-14 ± 1.576e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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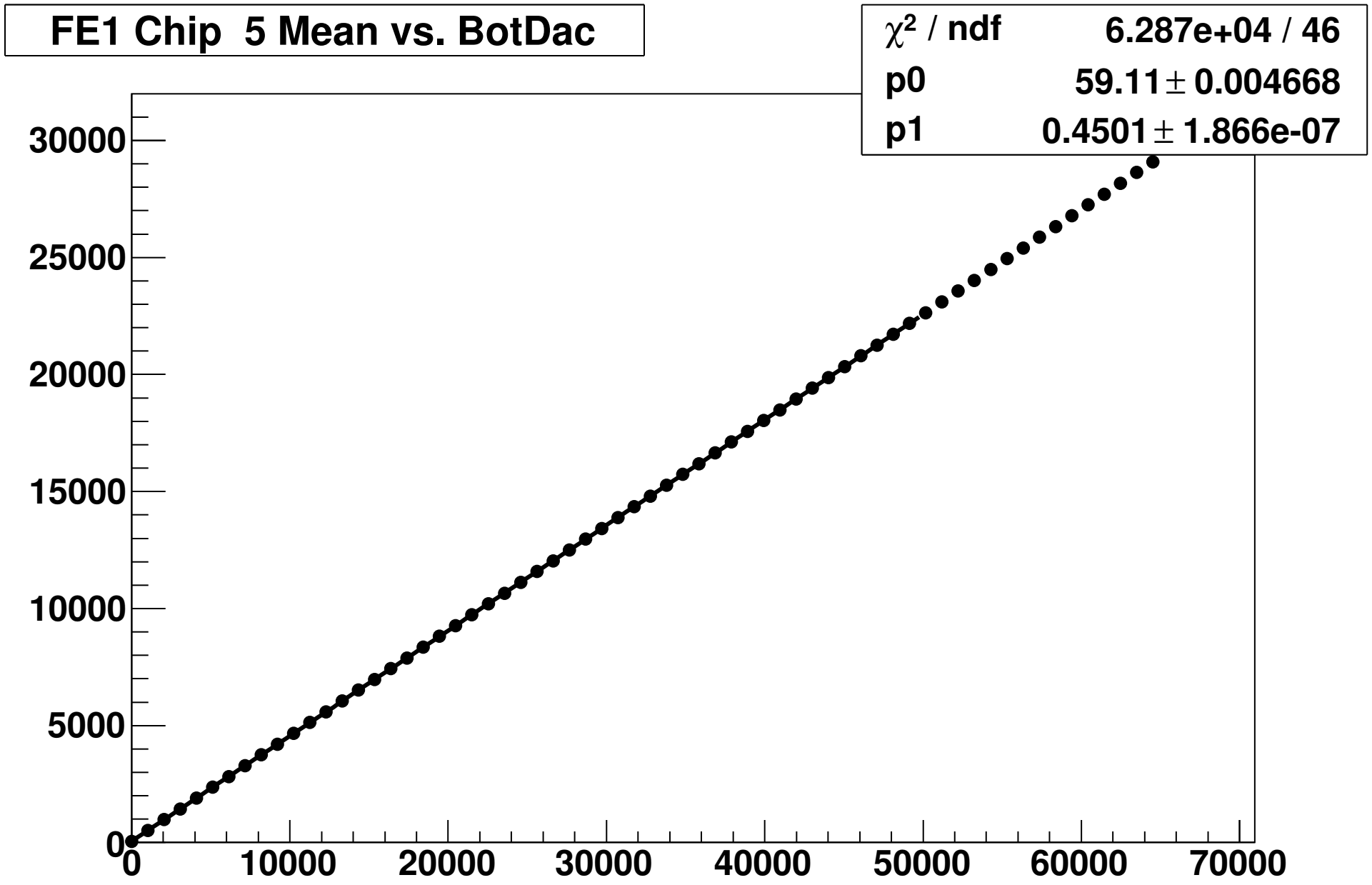
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 6.287e+04 / 46
p0 59.11 ± 0.004668
p1 0.4501 ± 1.866e-07
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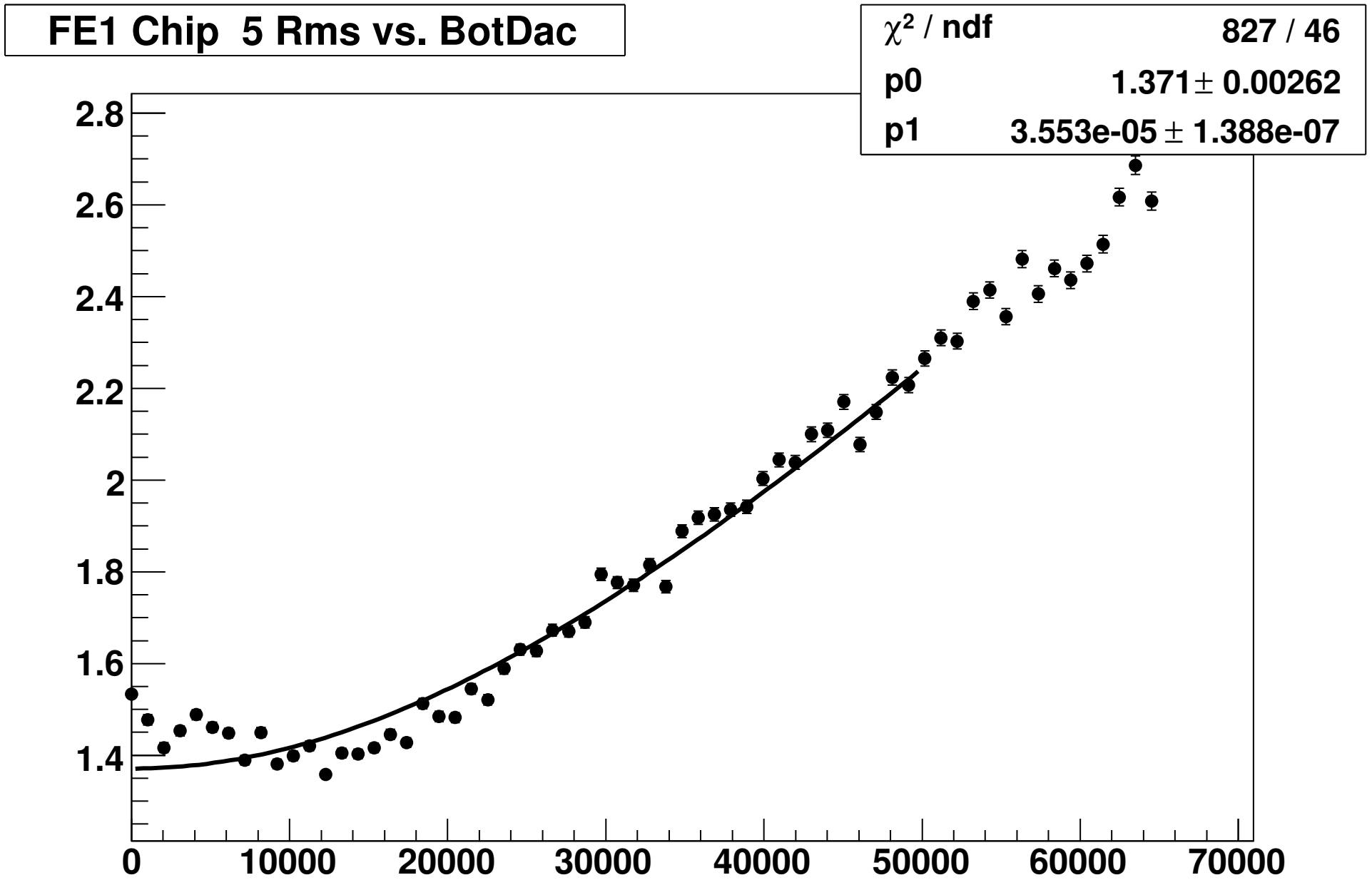
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 827 / 46
p0 1.371 ± 0.00262
p1 3.553e-05 ± 1.388e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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60000
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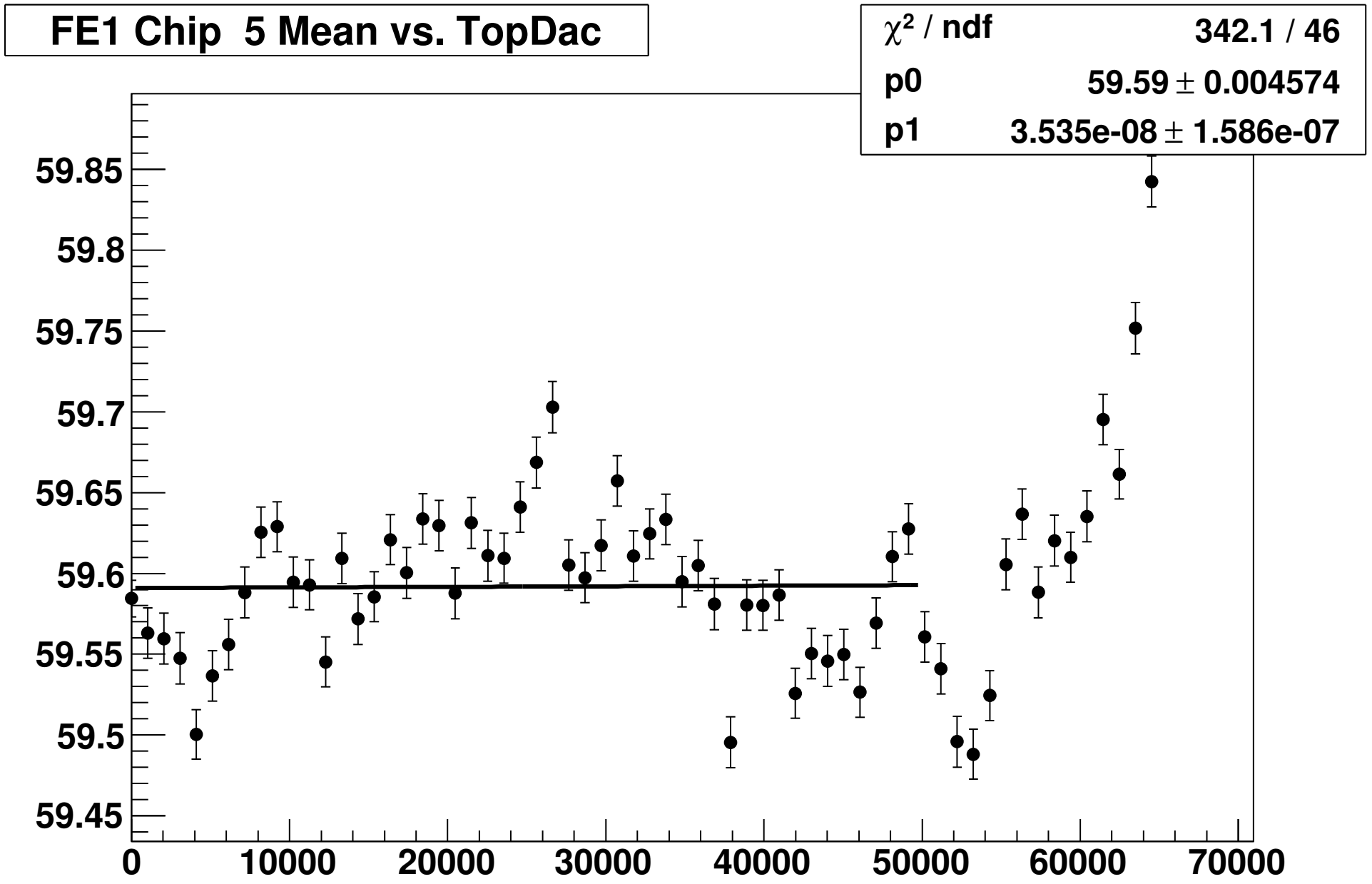
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 342.1 / 46
p0 59.59 ± 0.004574
p1 3.535e-08 ± 1.586e-07
59.85
59.8
59.75
59.7
59.65
59.6
59.55
59.5
59.45
0
10000
20000
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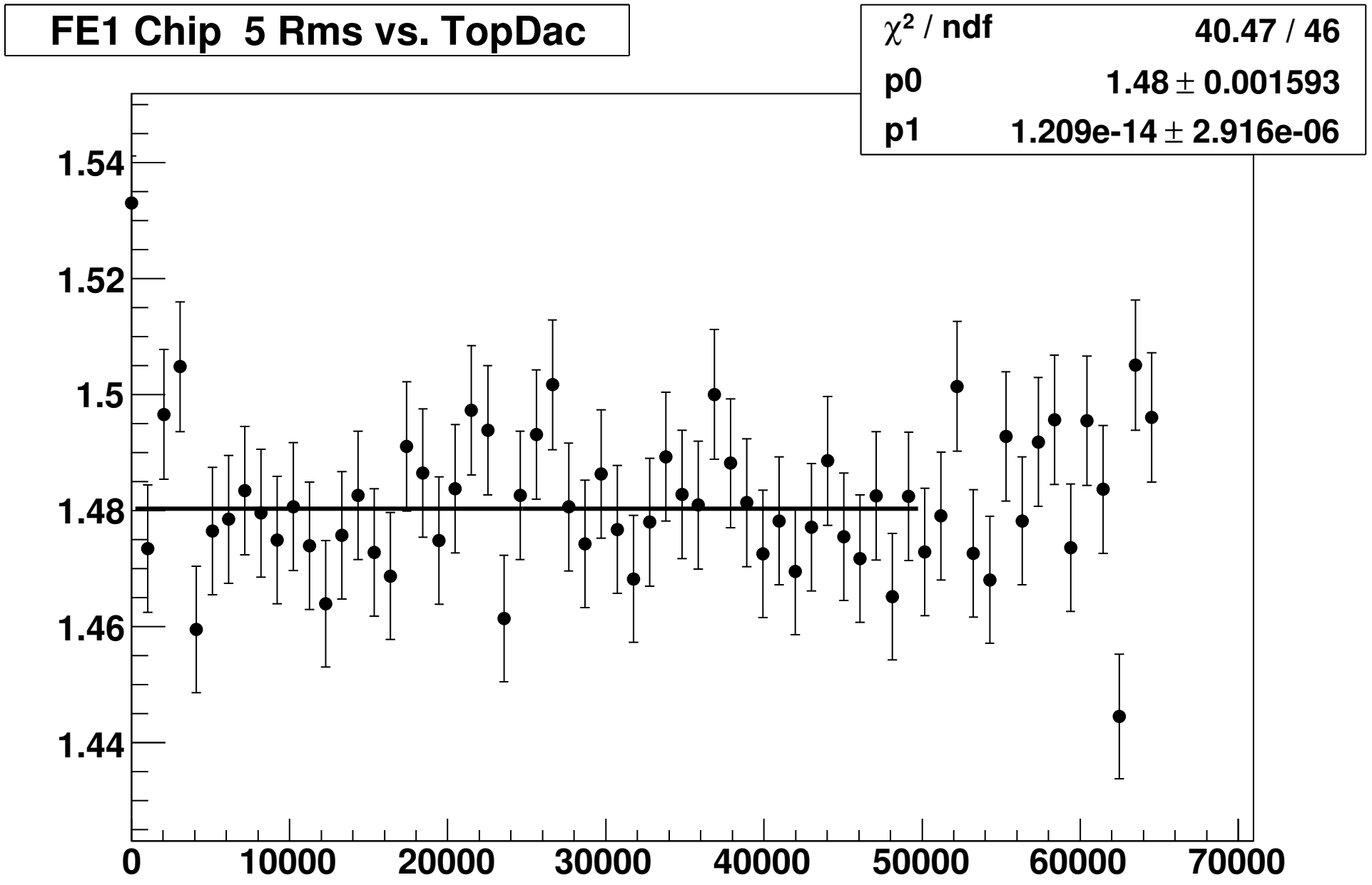
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 40.47 / 46
p0 1.48 ± 0.001593
p1 1.209e-14 ± 2.916e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
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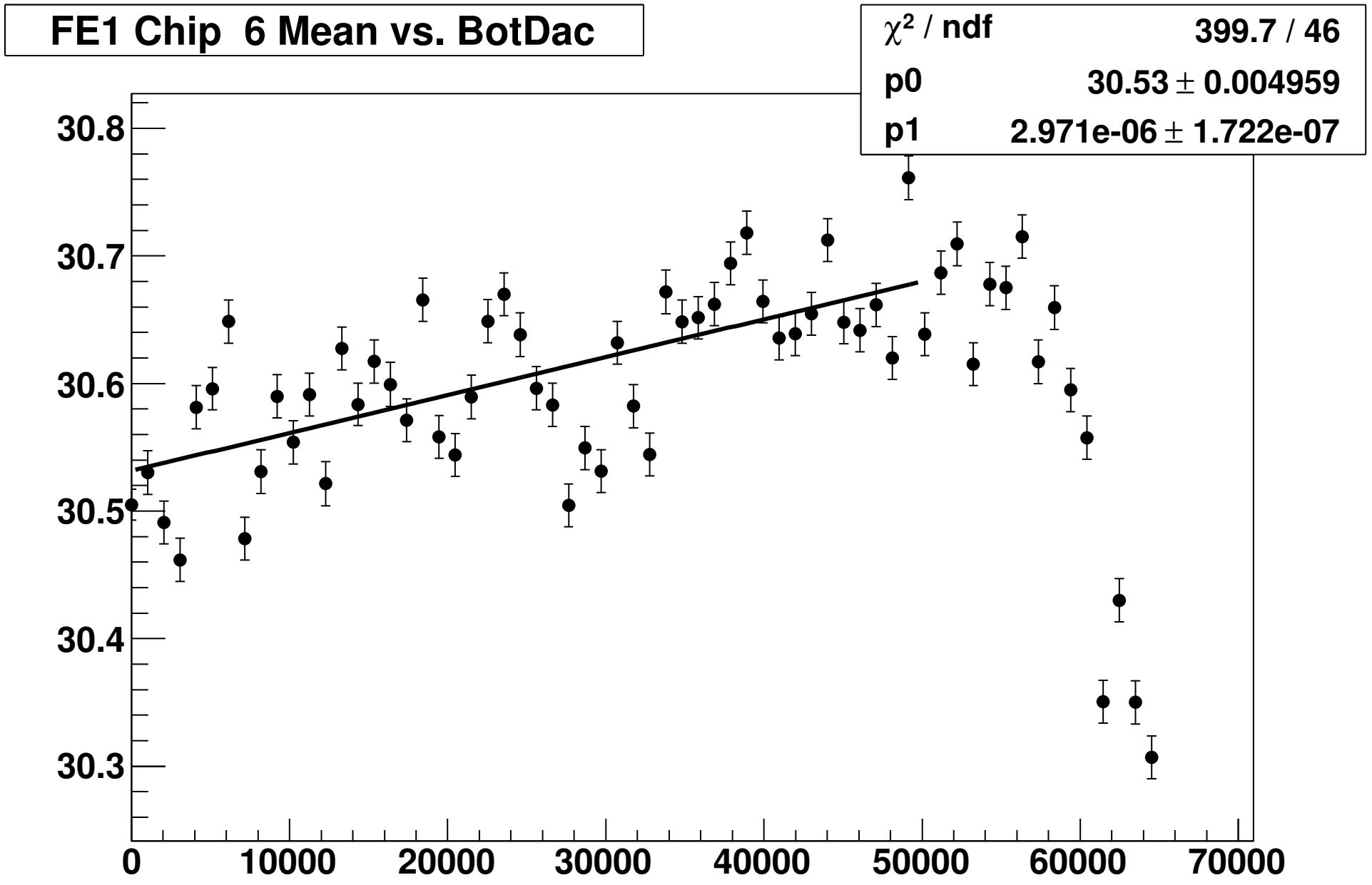
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 399.7 / 46
p0 30.53 ± 0.004959
p1 2.971e-06 ± 1.722e-07
30.8
30.7
30.6
30.5
30.4
30.3
0
10000
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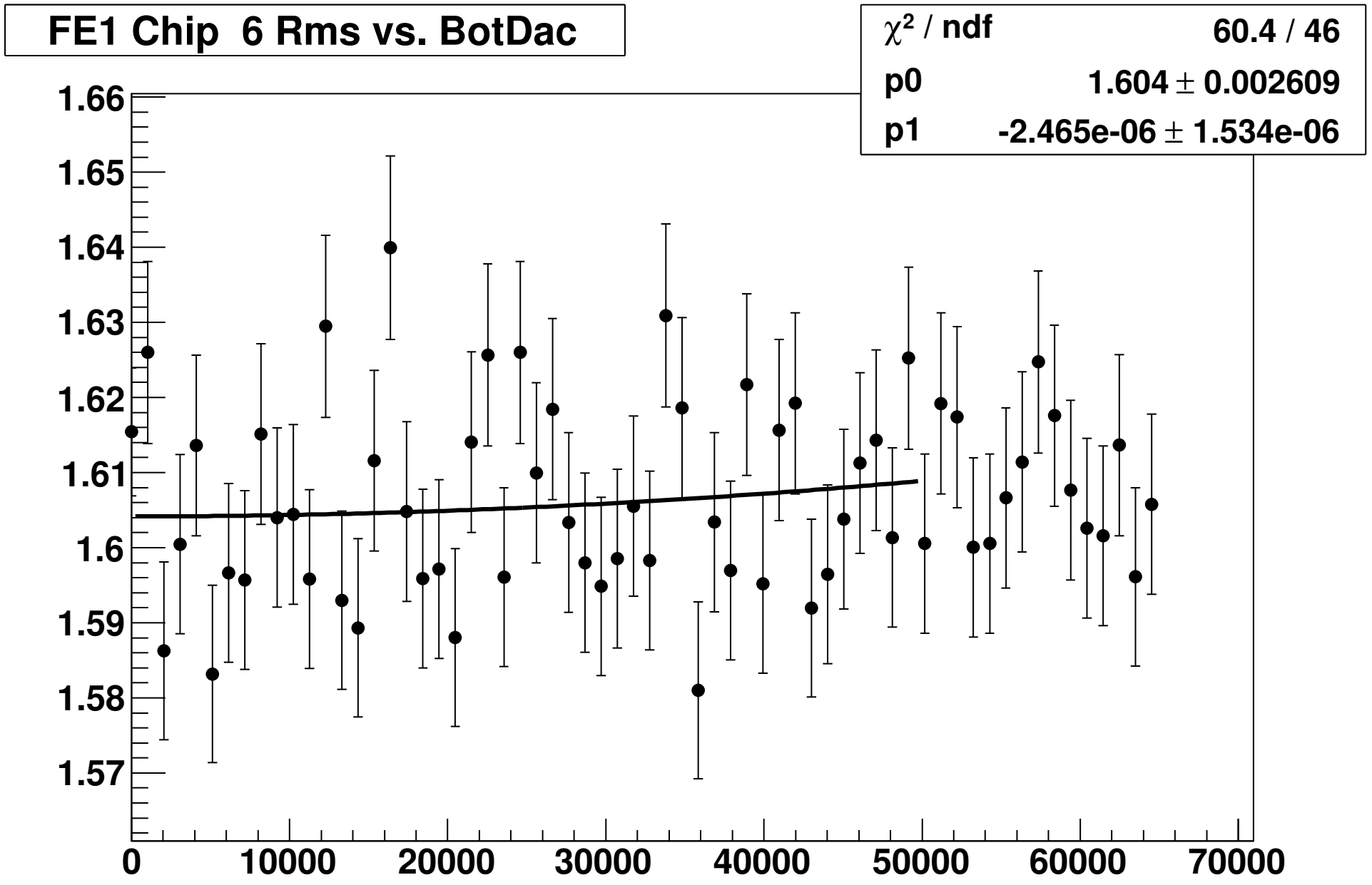
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 60.4 / 46
p0 1.604 ± 0.002609
p1 -2.465e-06 ± 1.534e-06
1.66
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
0
10000
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60000
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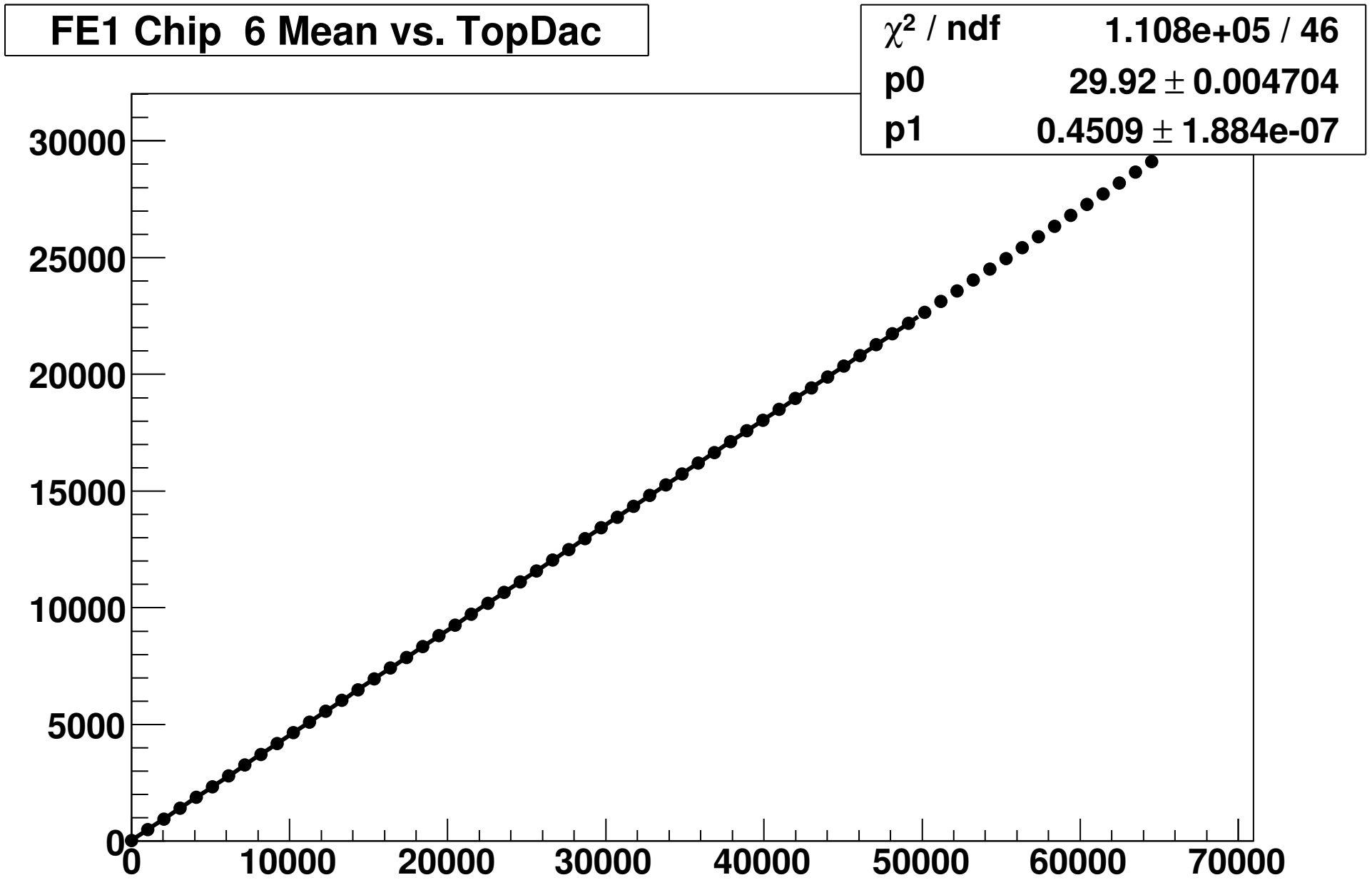
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.108e+05 / 46
p0 29.92 ± 0.004704
p1 0.4509 ± 1.884e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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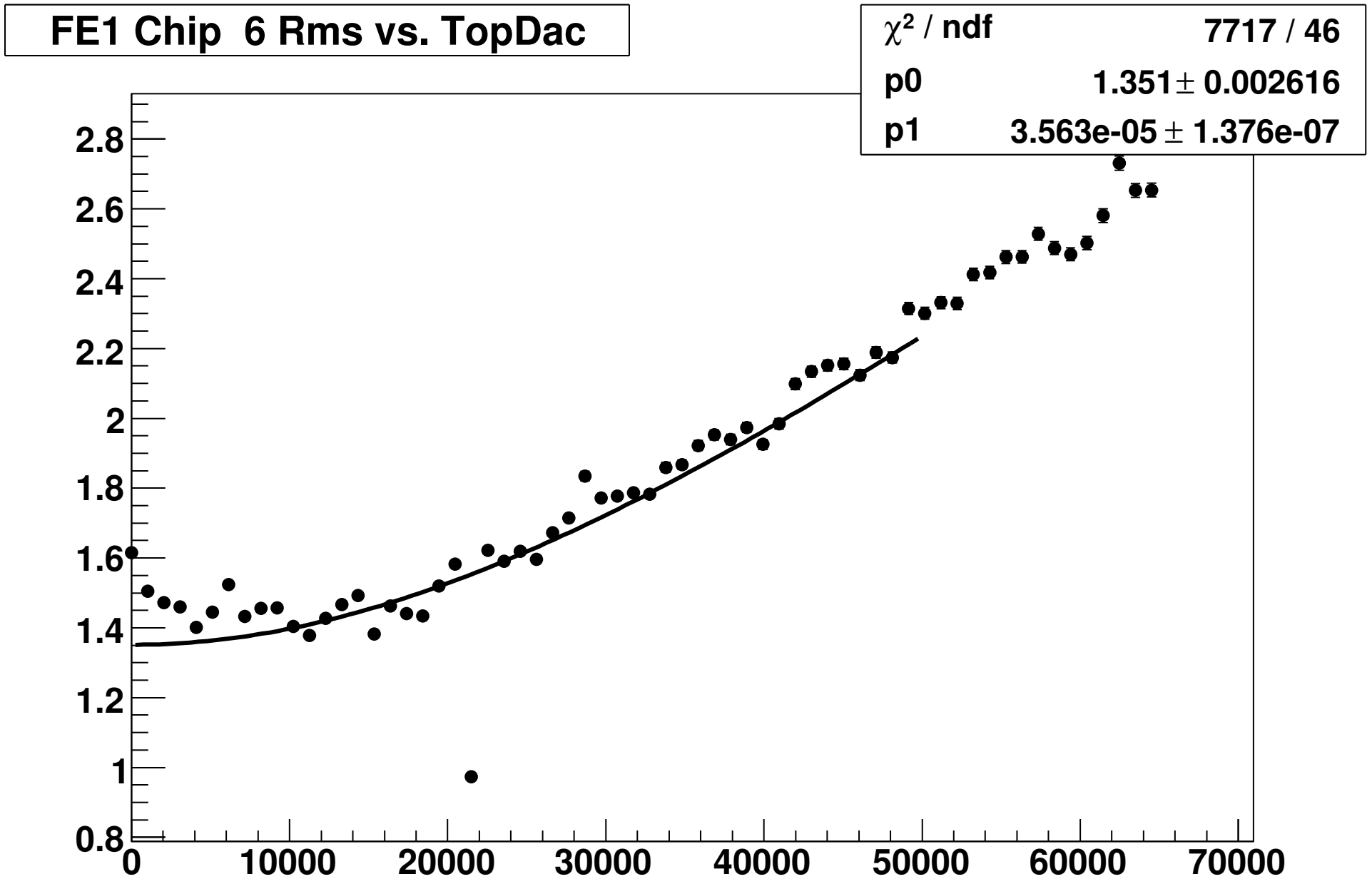
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 7717 / 46
p0 1.351 ± 0.002616
p1 3.563e-05 ± 1.376e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
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10000
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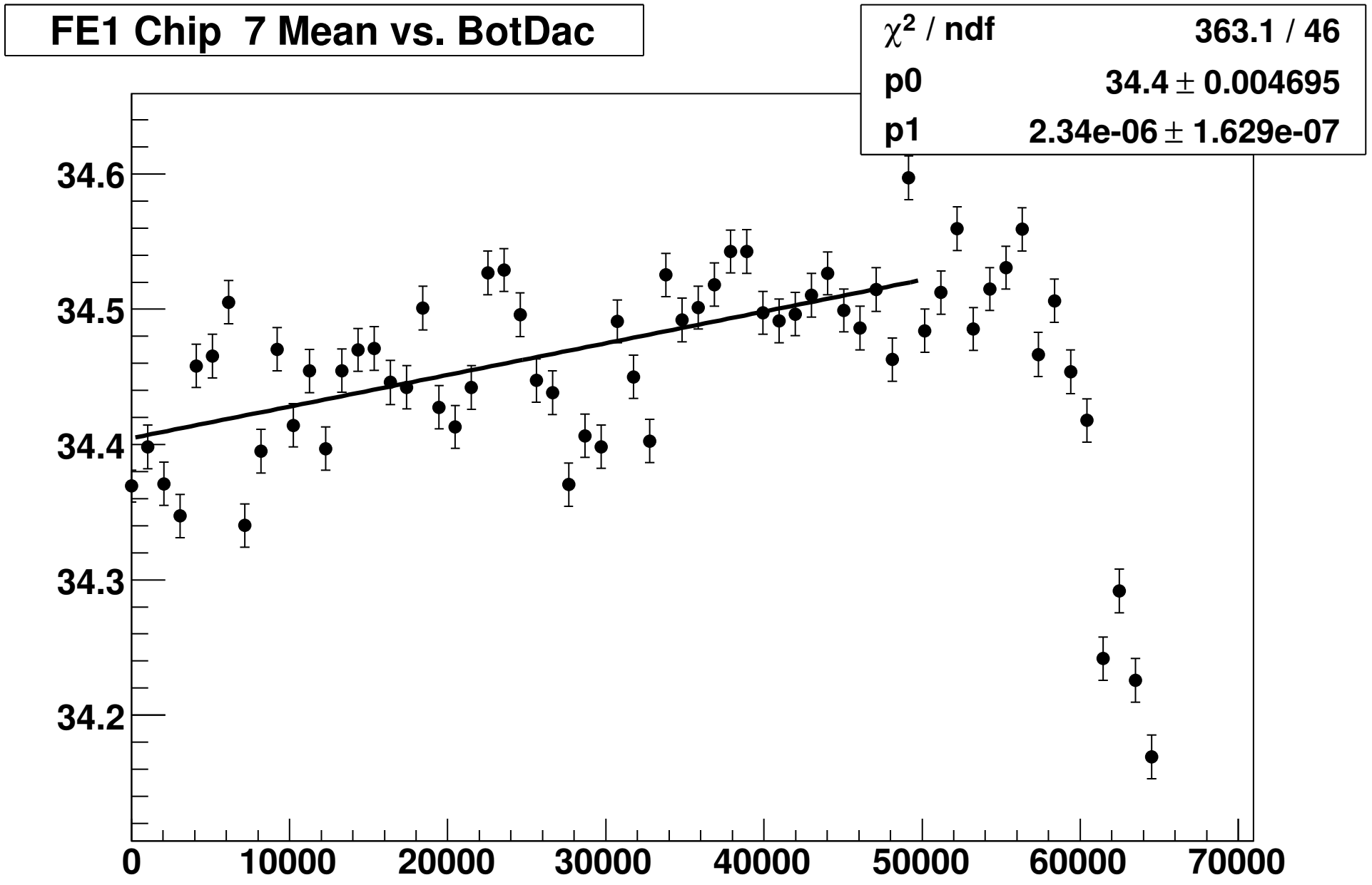
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 363.1 / 46
p0 34.4 ± 0.004695
p1 2.34e-06 ± 1.629e-07
34.6
34.5
34.4
34.3
34.2
0
10000
20000
30000
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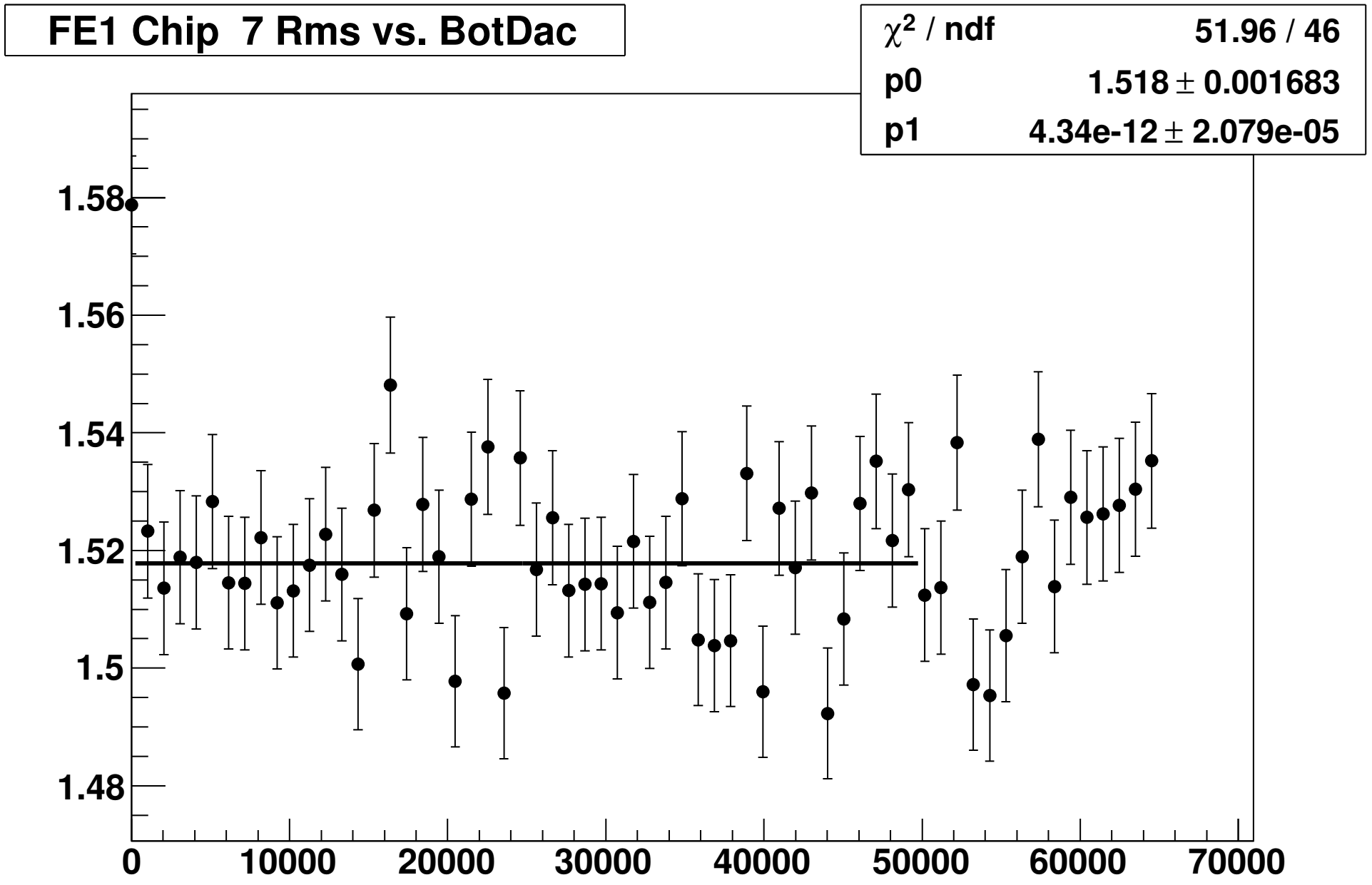
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 51.96 / 46
p0 1.518 ± 0.001683
p1 4.34e-12 ± 2.079e-05
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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50000
60000
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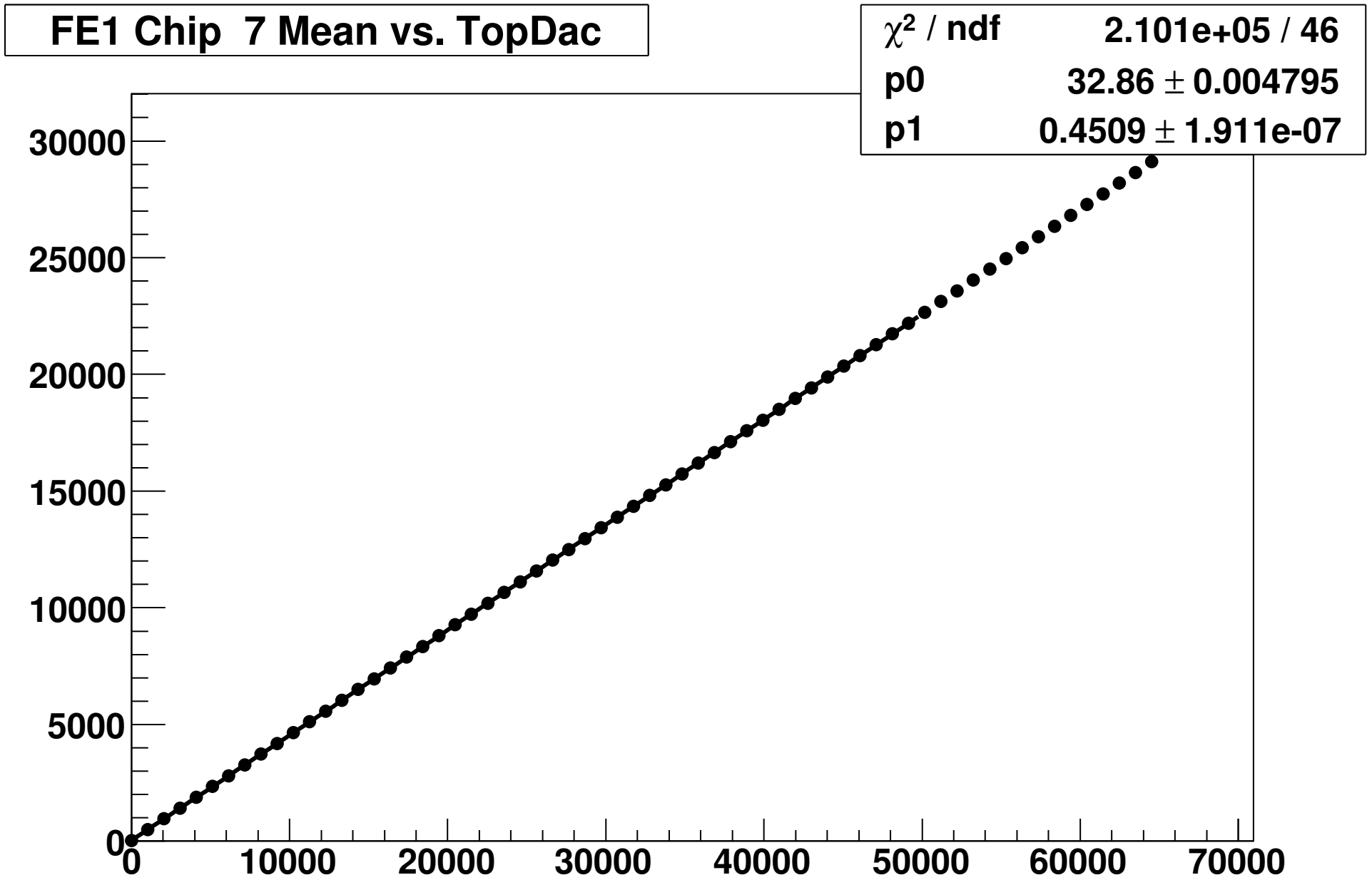
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 2.101e+05 / 46
p0 32.86 ± 0.004795
p1 0.4509 ± 1.911e-07
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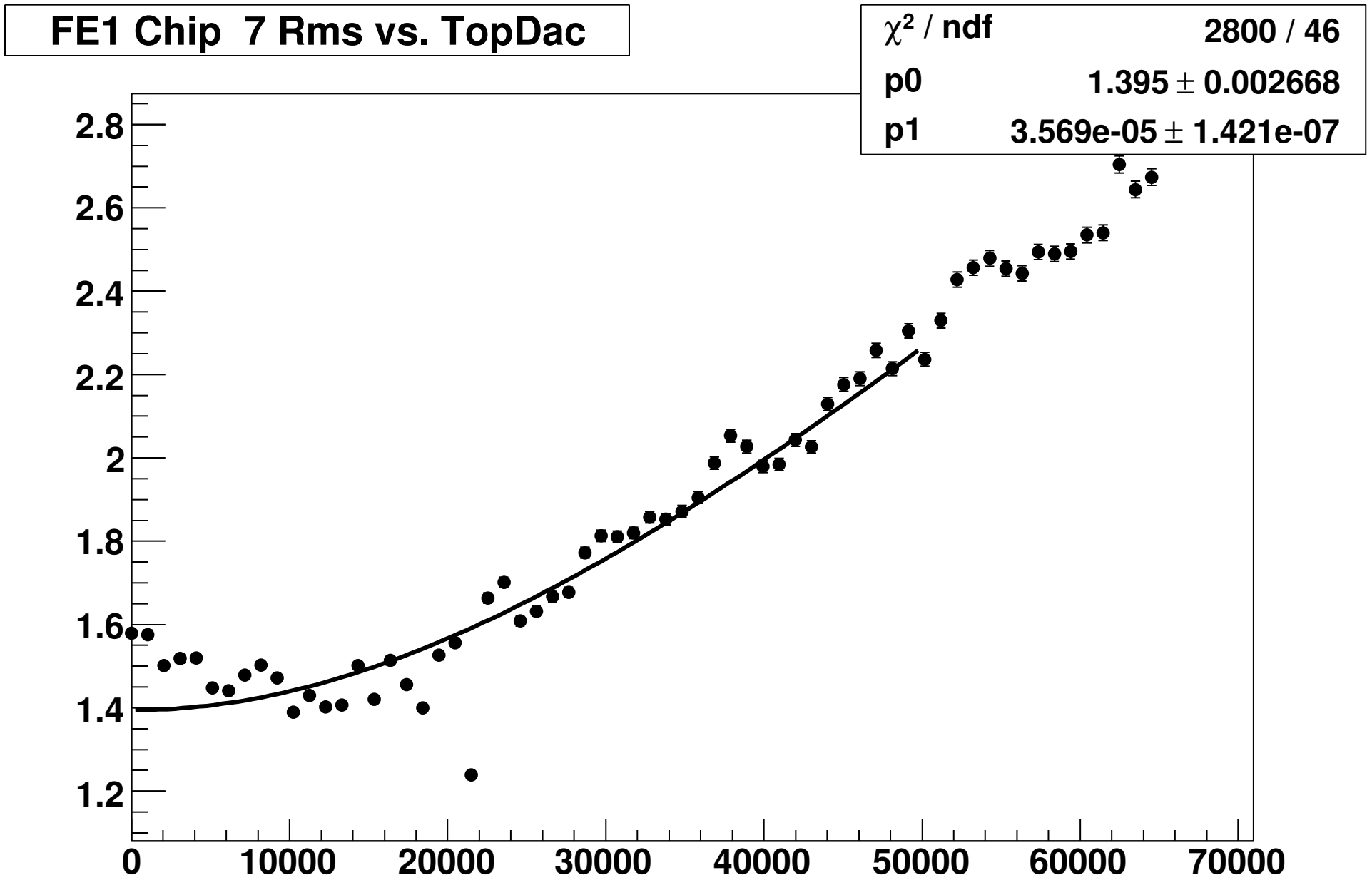
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 2800 / 46
p0 1.395 ± 0.002668
p1 3.569e-05 ± 1.421e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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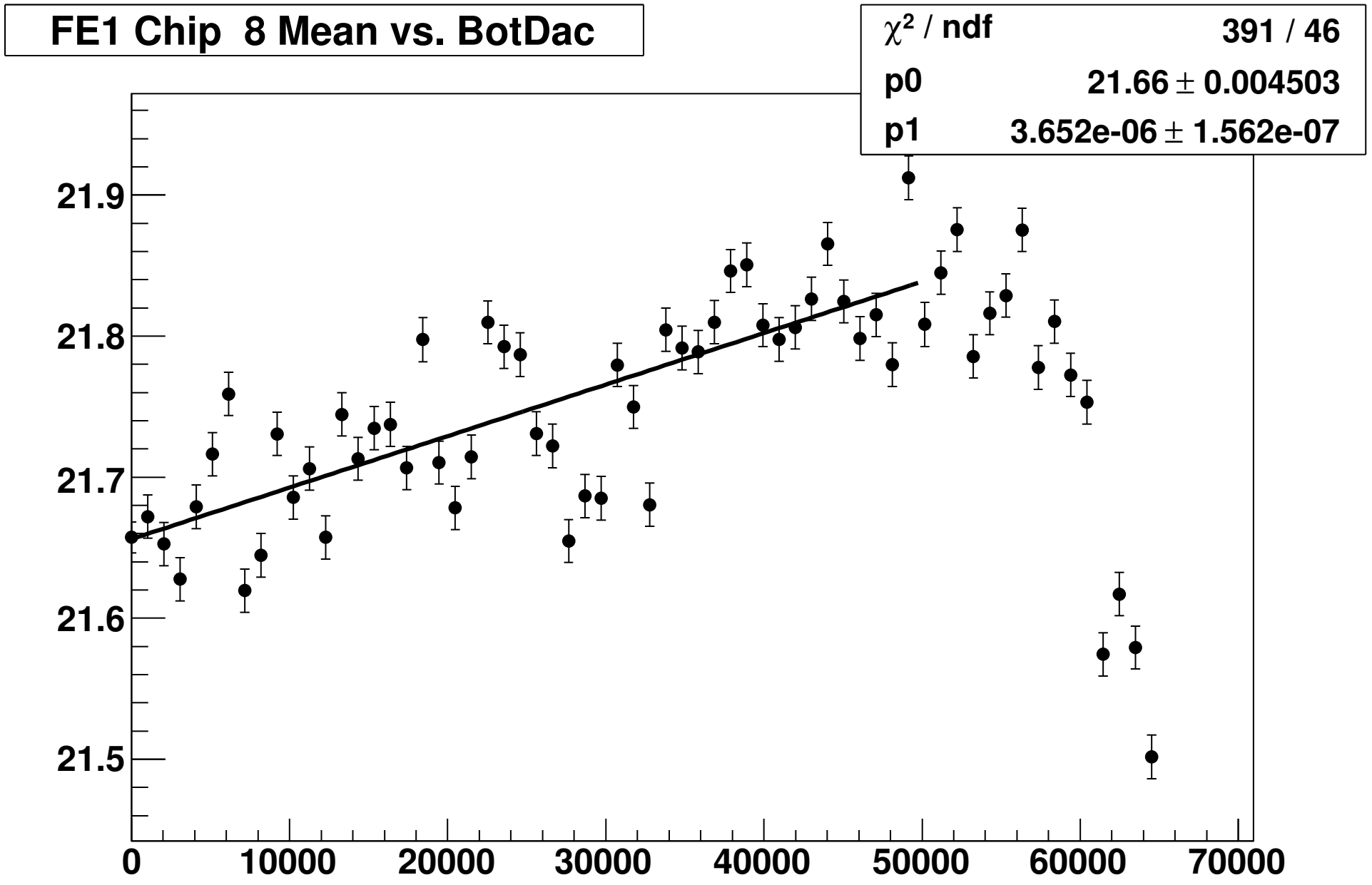
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 391 / 46
p0 21.66 ± 0.004503
p1 3.652e-06 ± 1.562e-07
21.9
21.8
21.7
21.6
21.5
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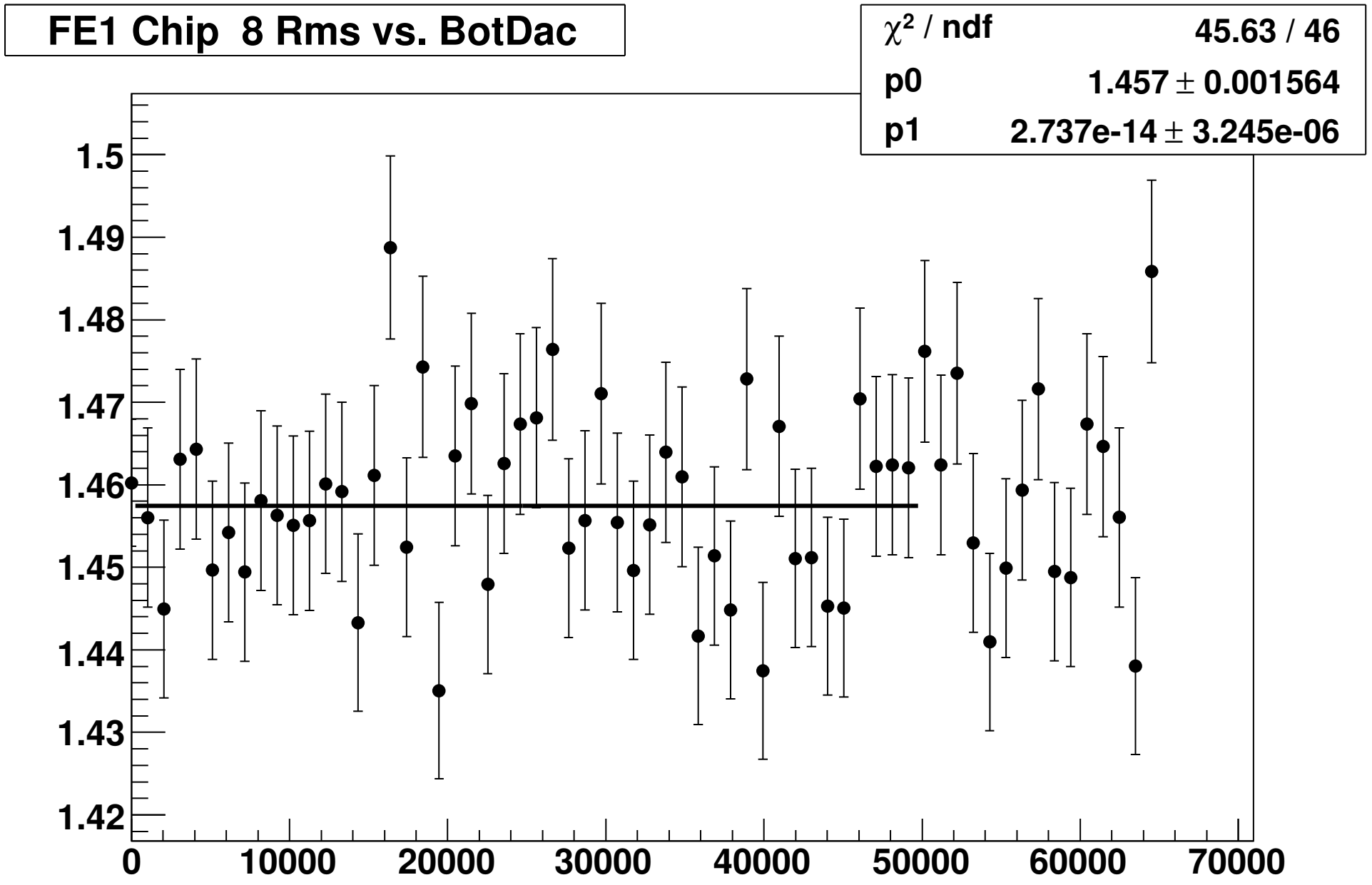
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 45.63 / 46
p0 1.457 ± 0.001564
p1 2.737e-14 ± 3.245e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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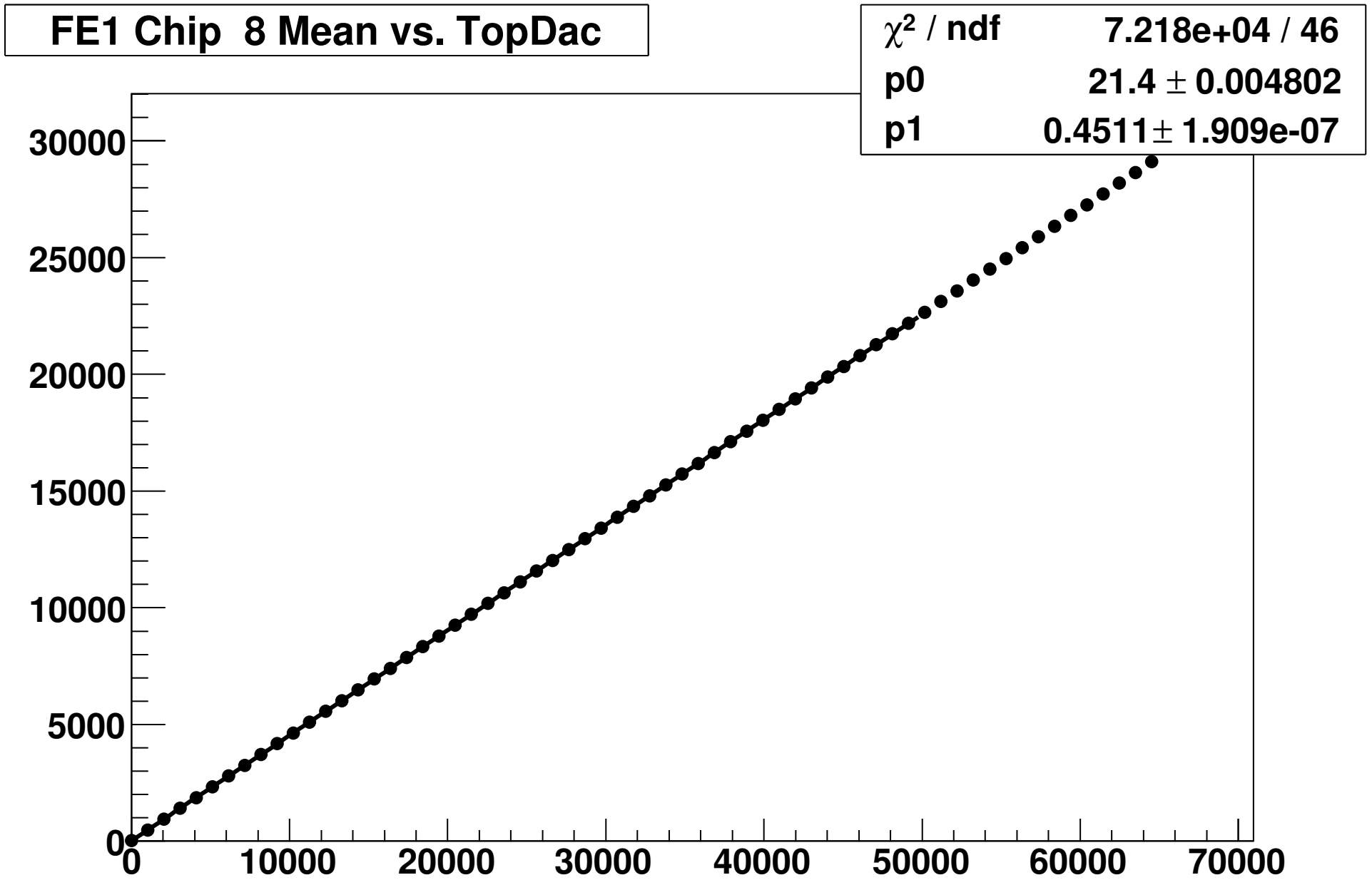
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 7.218e+04 / 46
p0 21.4 ± 0.004802
p1 0.4511 ± 1.909e-07
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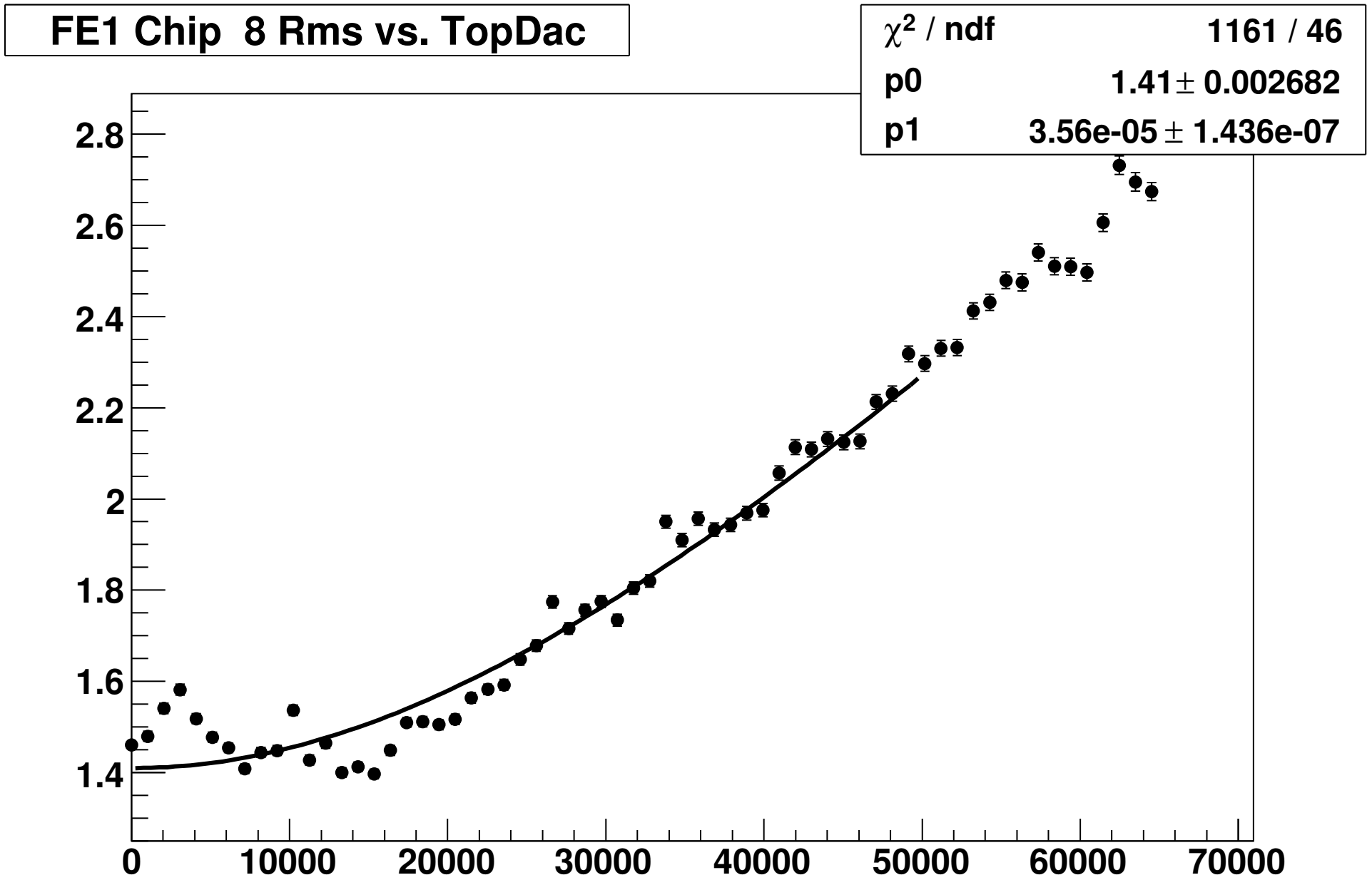
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1161 / 46
p0 1.41 ± 0.002682
p1 3.56e-05 ± 1.436e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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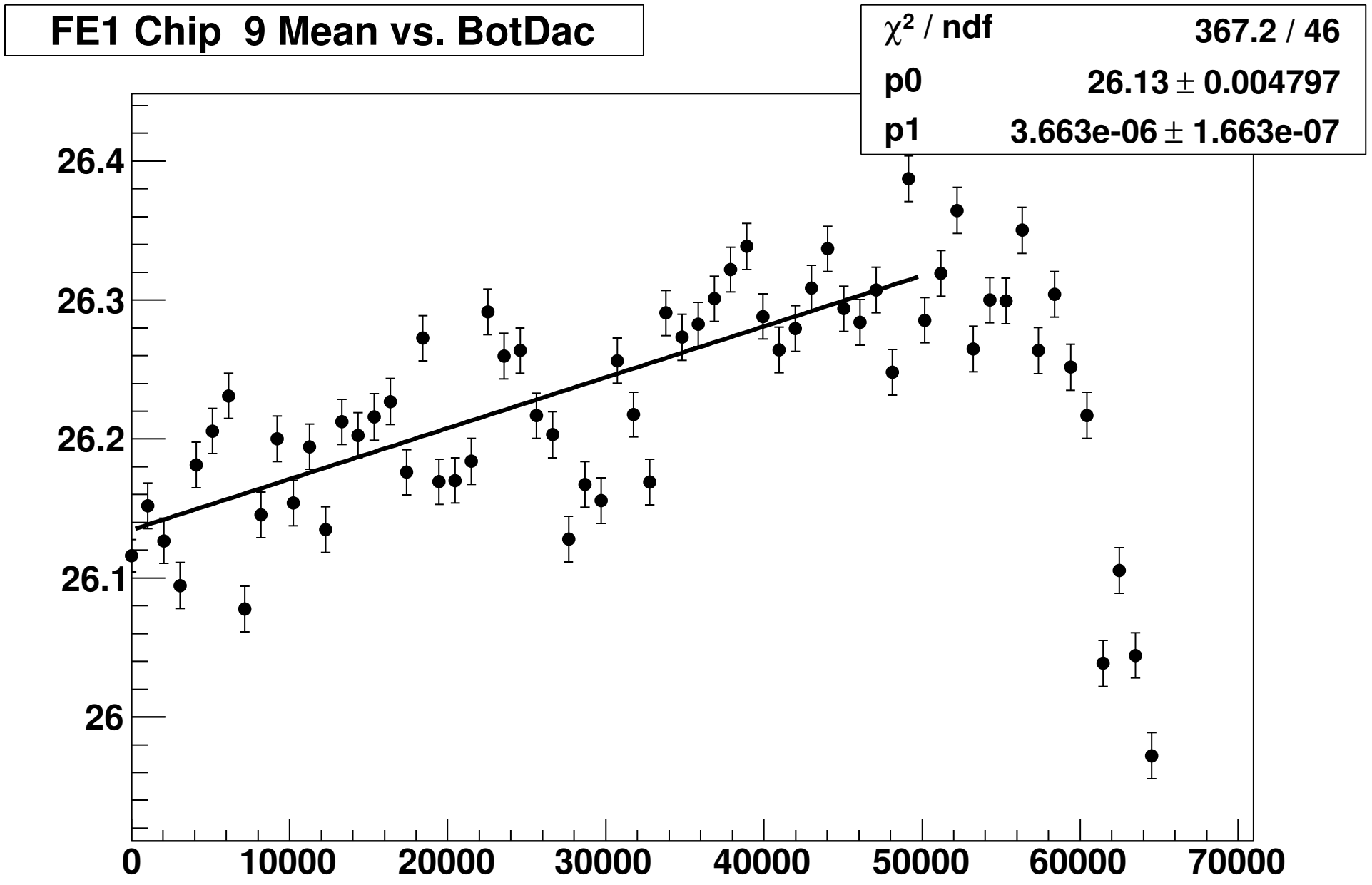
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 367.2 / 46
p0 26.13 ± 0.004797
p1 3.663e-06 ± 1.663e-07
26.4
26.3
26.2
26.1
26
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40000
50000
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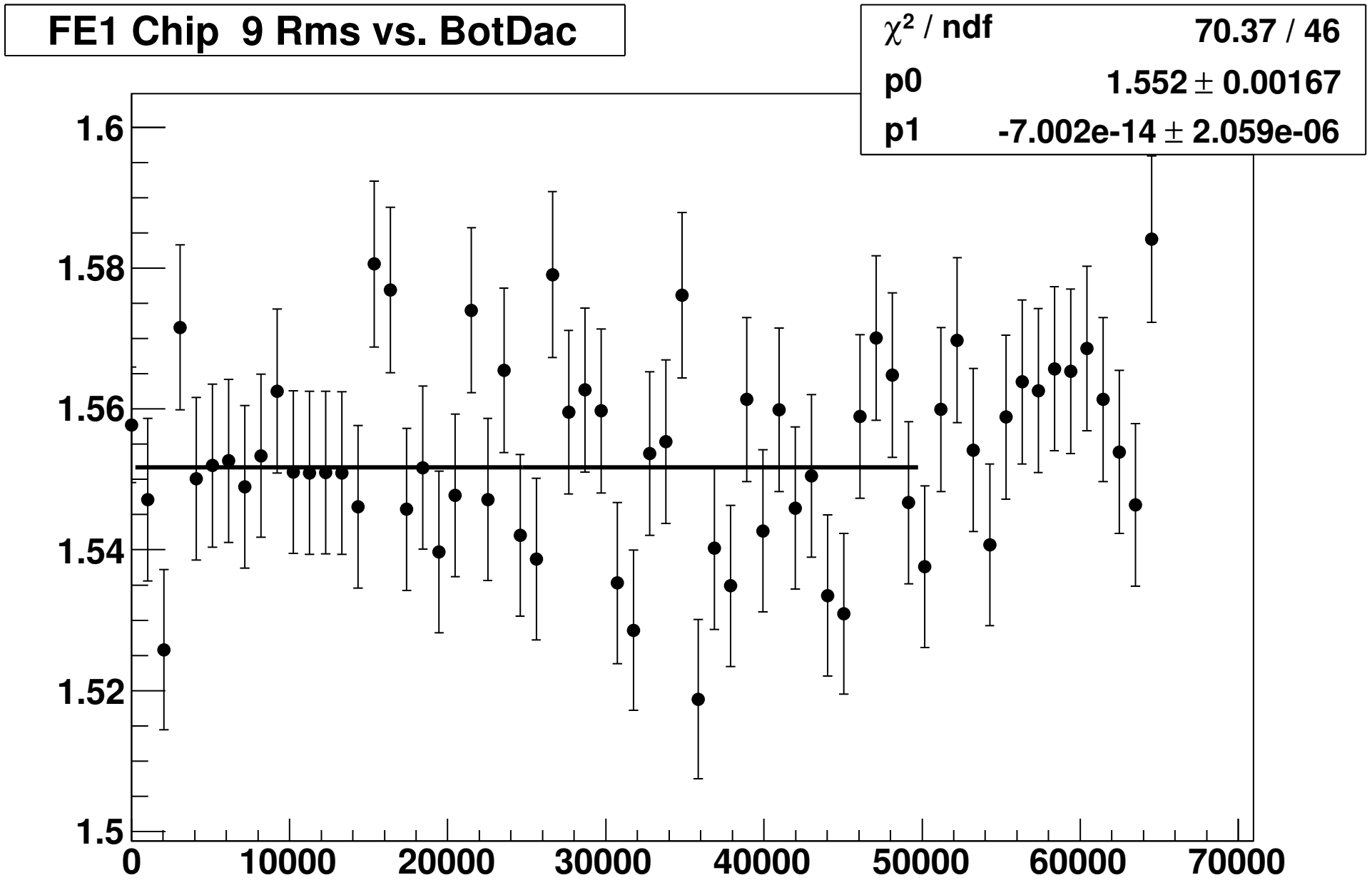
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 70.37 / 46
p0 1.552 ± 0.00167
p1 -7.002e-14 ± 2.059e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
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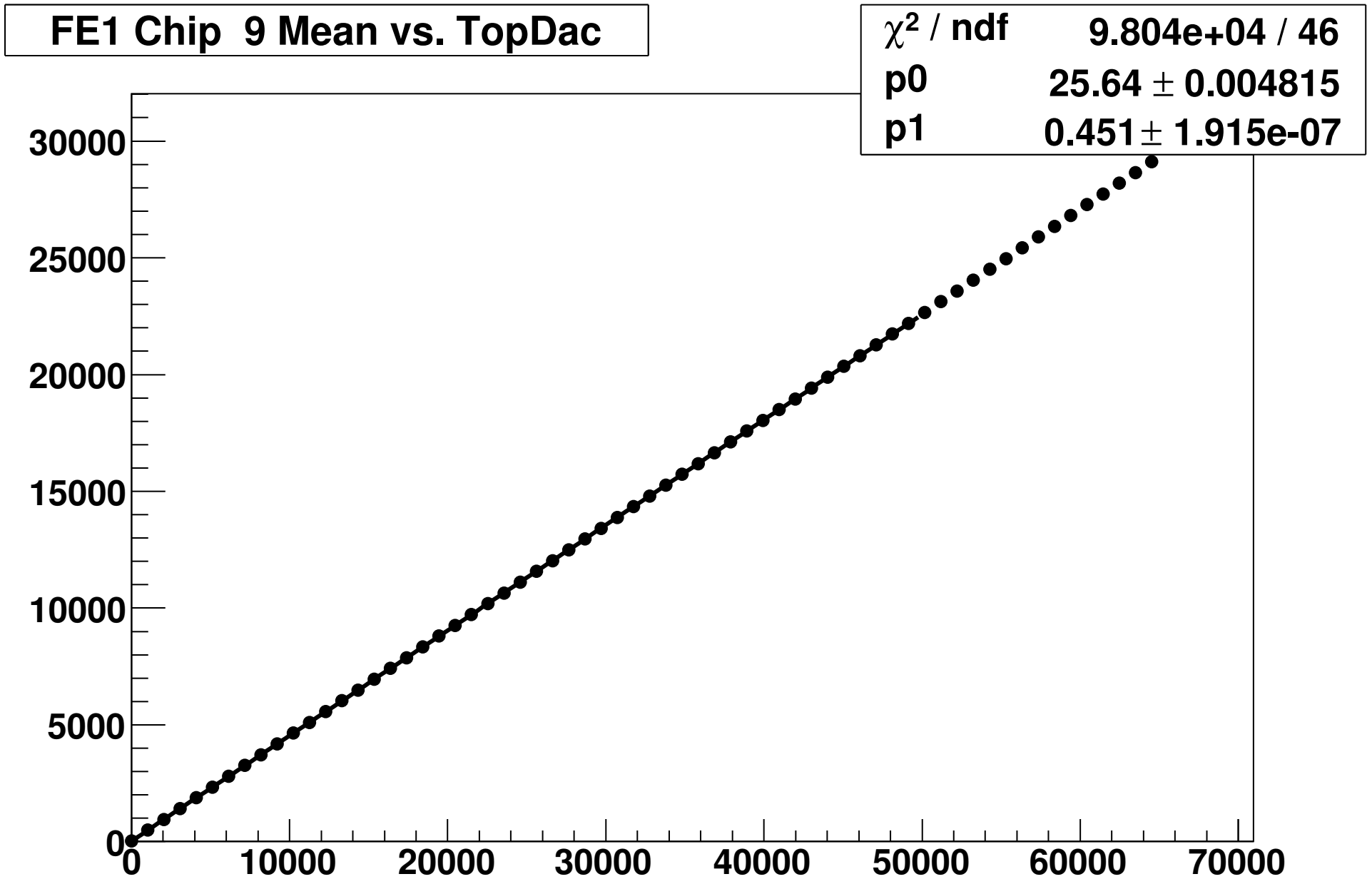
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 9.804e+04 / 46
p0 25.64 ± 0.004815
p1 0.451 ± 1.915e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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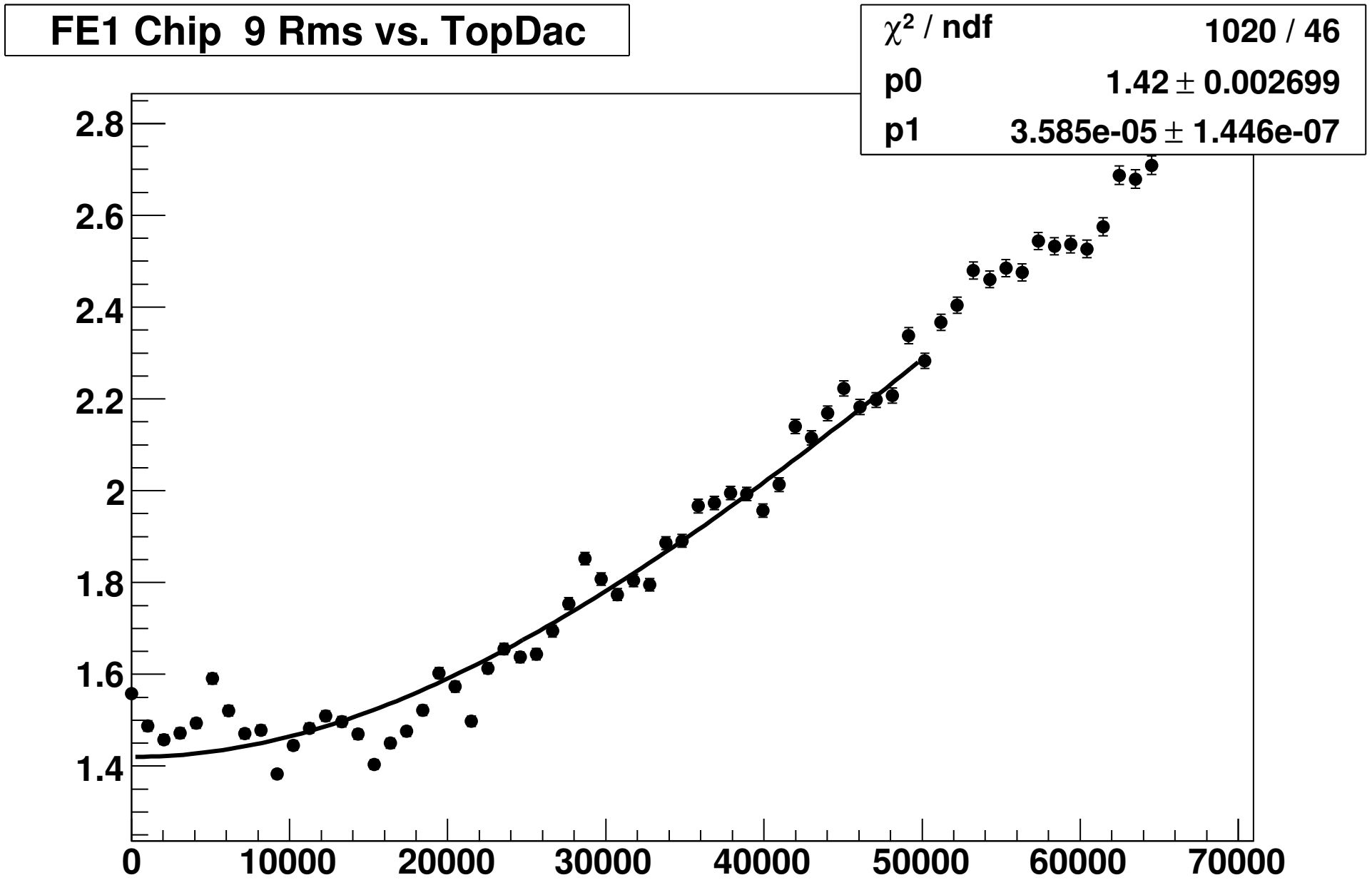
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1020 / 46
p0 1.42 ± 0.002699
p1 3.585e-05 ± 1.446e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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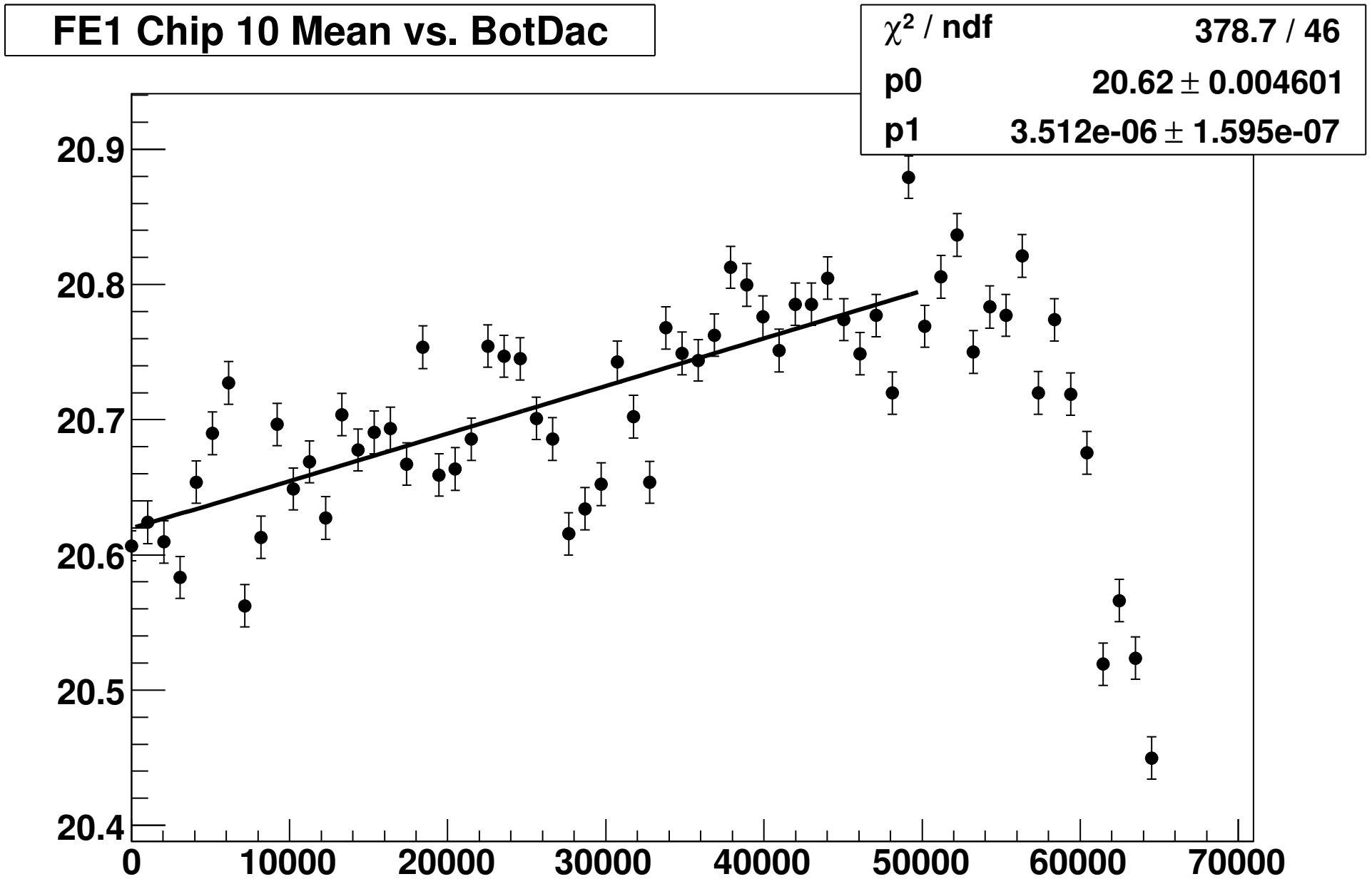
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 378.7 / 46
p0 20.62 ± 0.004601
p1 3.512e-06 ± 1.595e-07
20.9
20.8
20.7
20.6
20.5
20.4
0
10000
20000
30000
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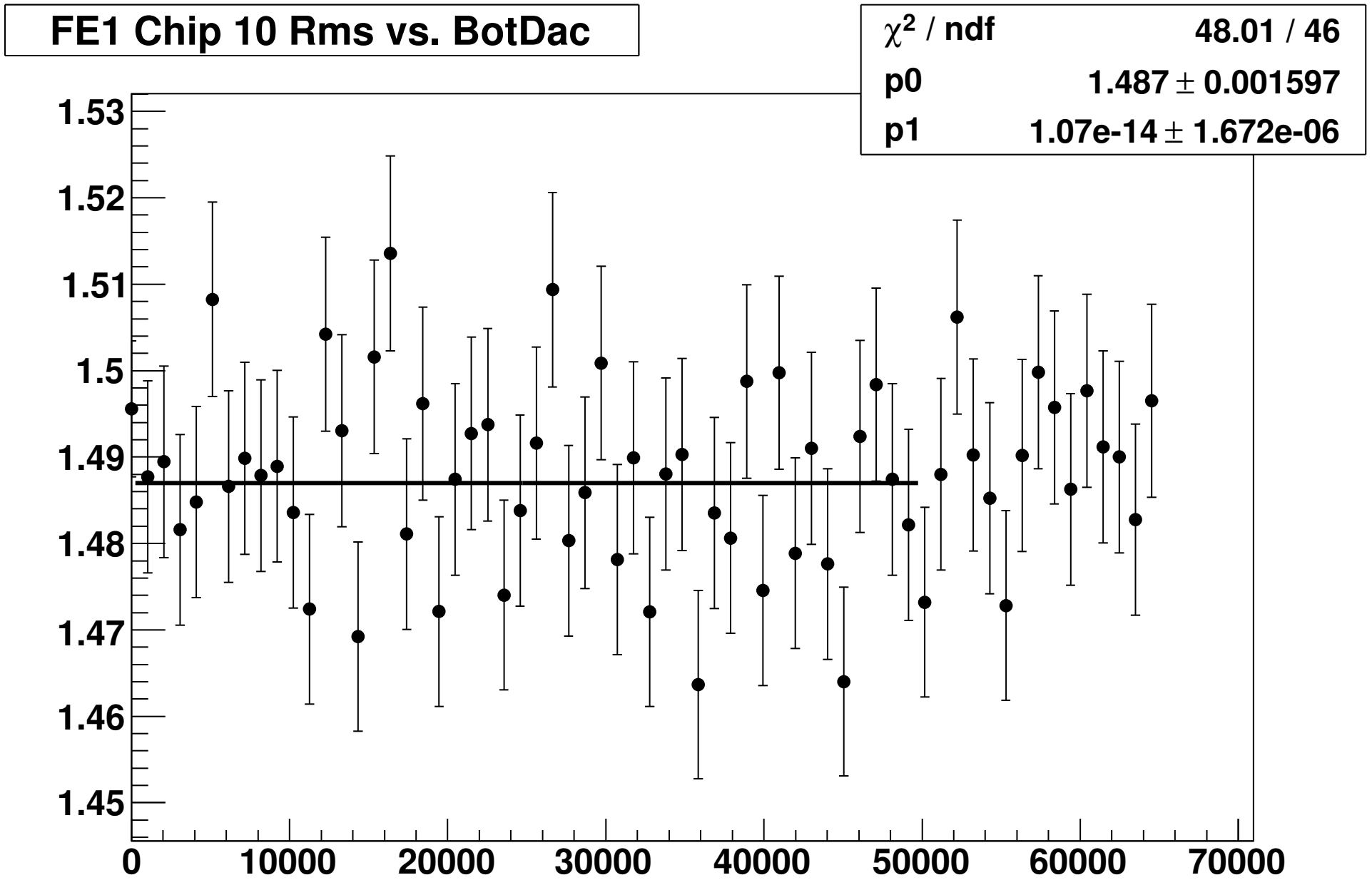
FE1 Chip 10 Rms vs. BotDac
χ² / ndf 48.01 / 46
p0 1.487 ± 0.001597
p1 1.07e-14 ± 1.672e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
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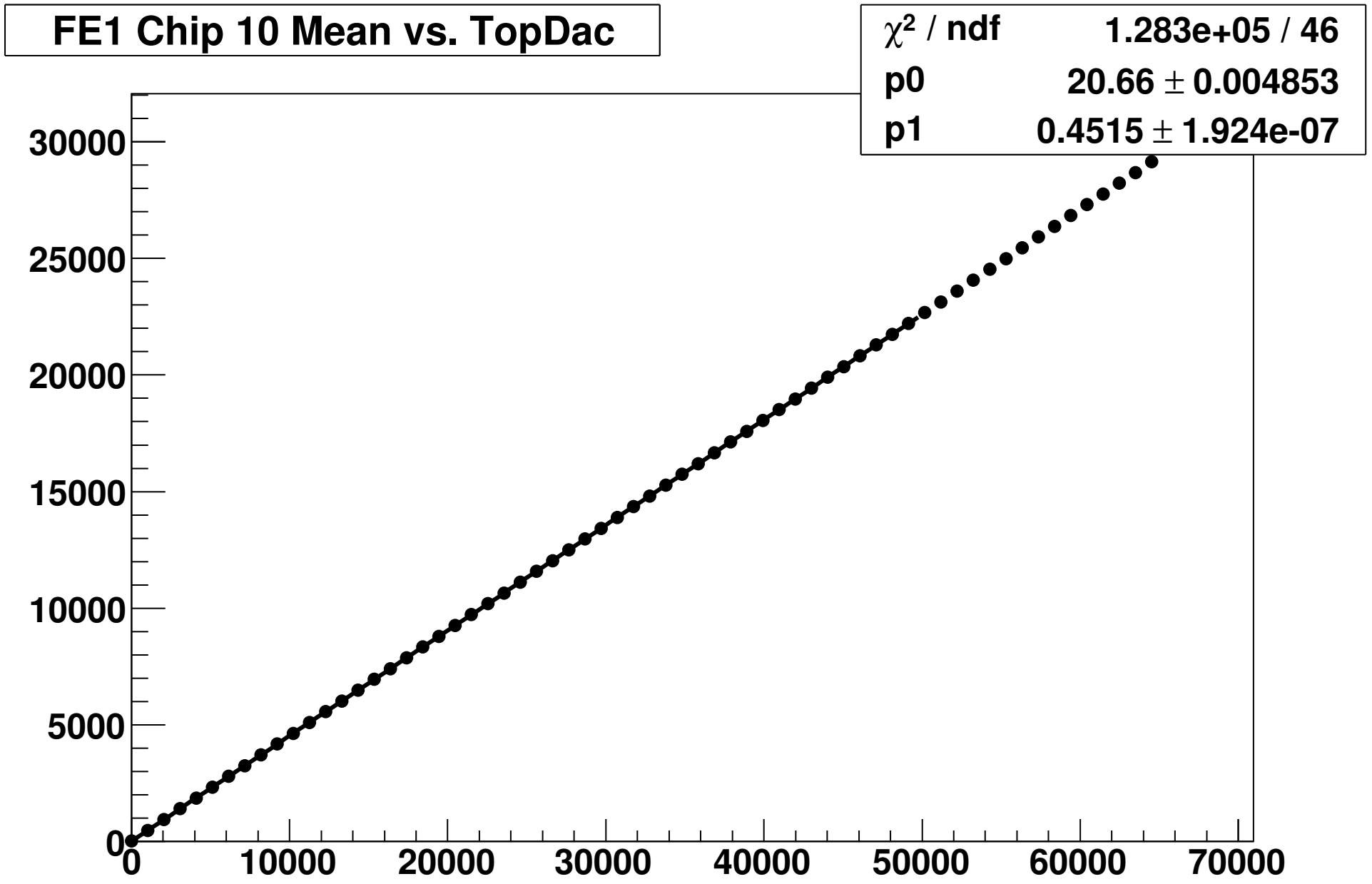
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.283e+05 / 46
p0 20.66 ± 0.004853
p1 0.4515 ± 1.924e-07
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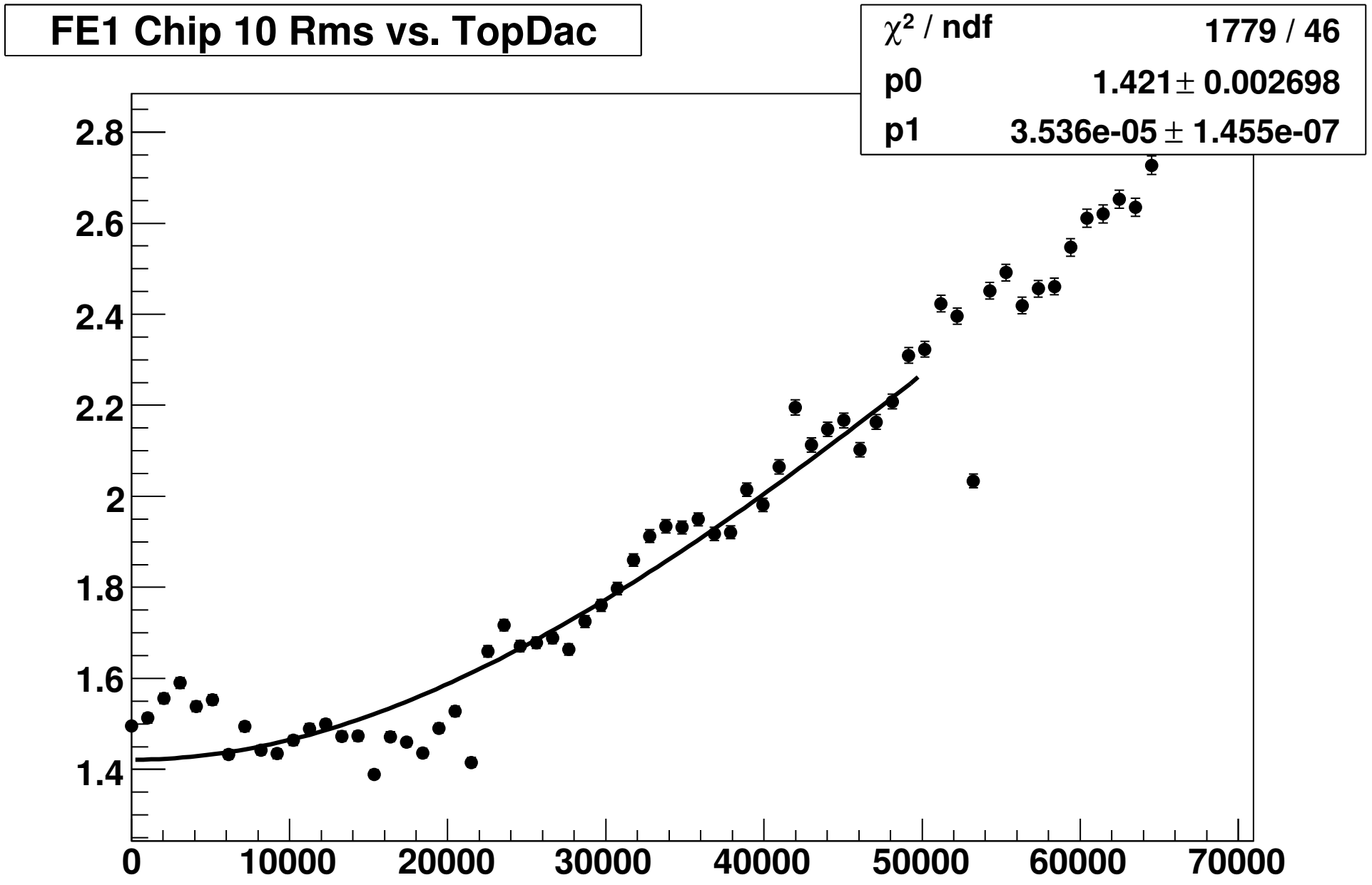
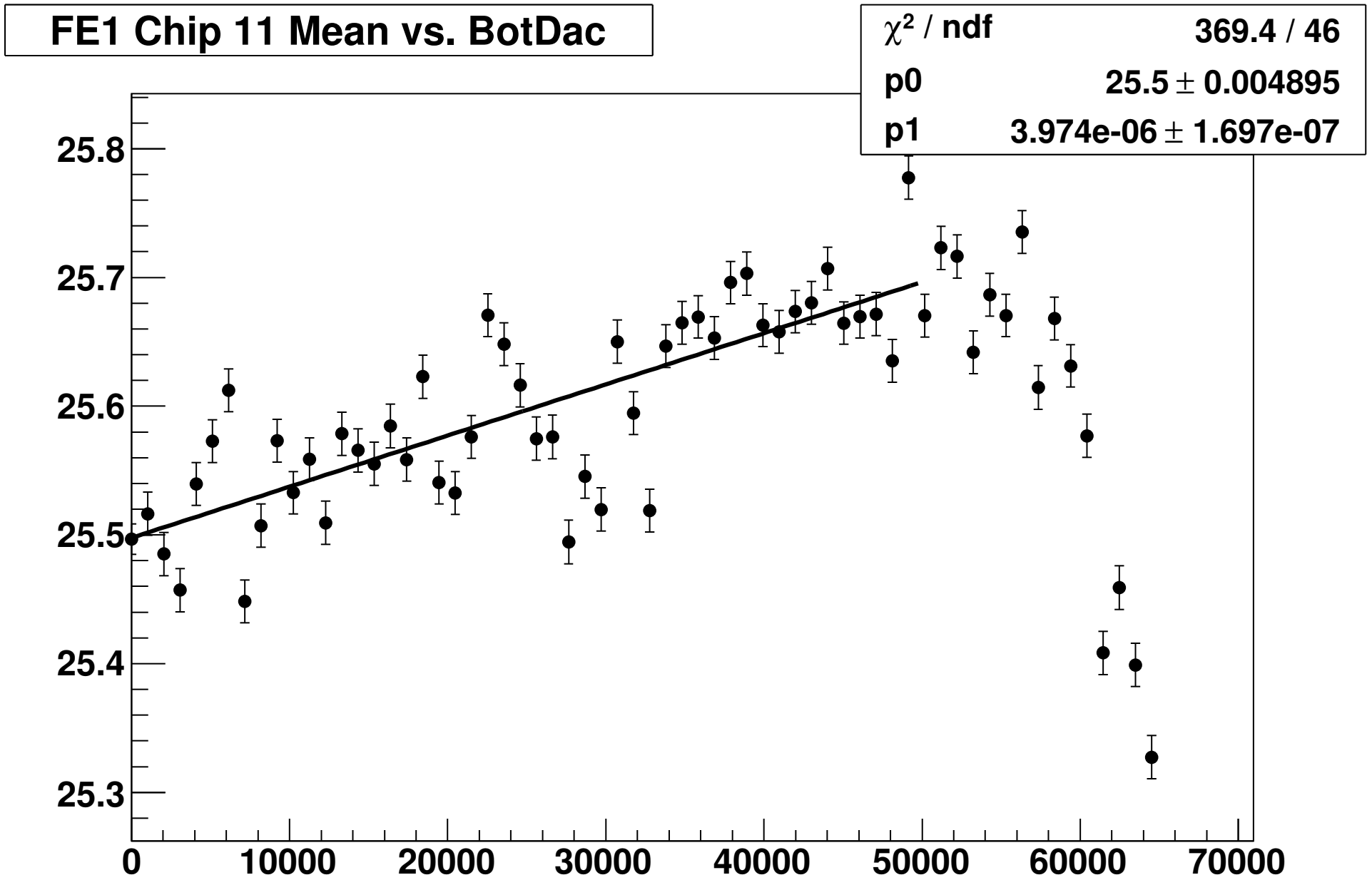
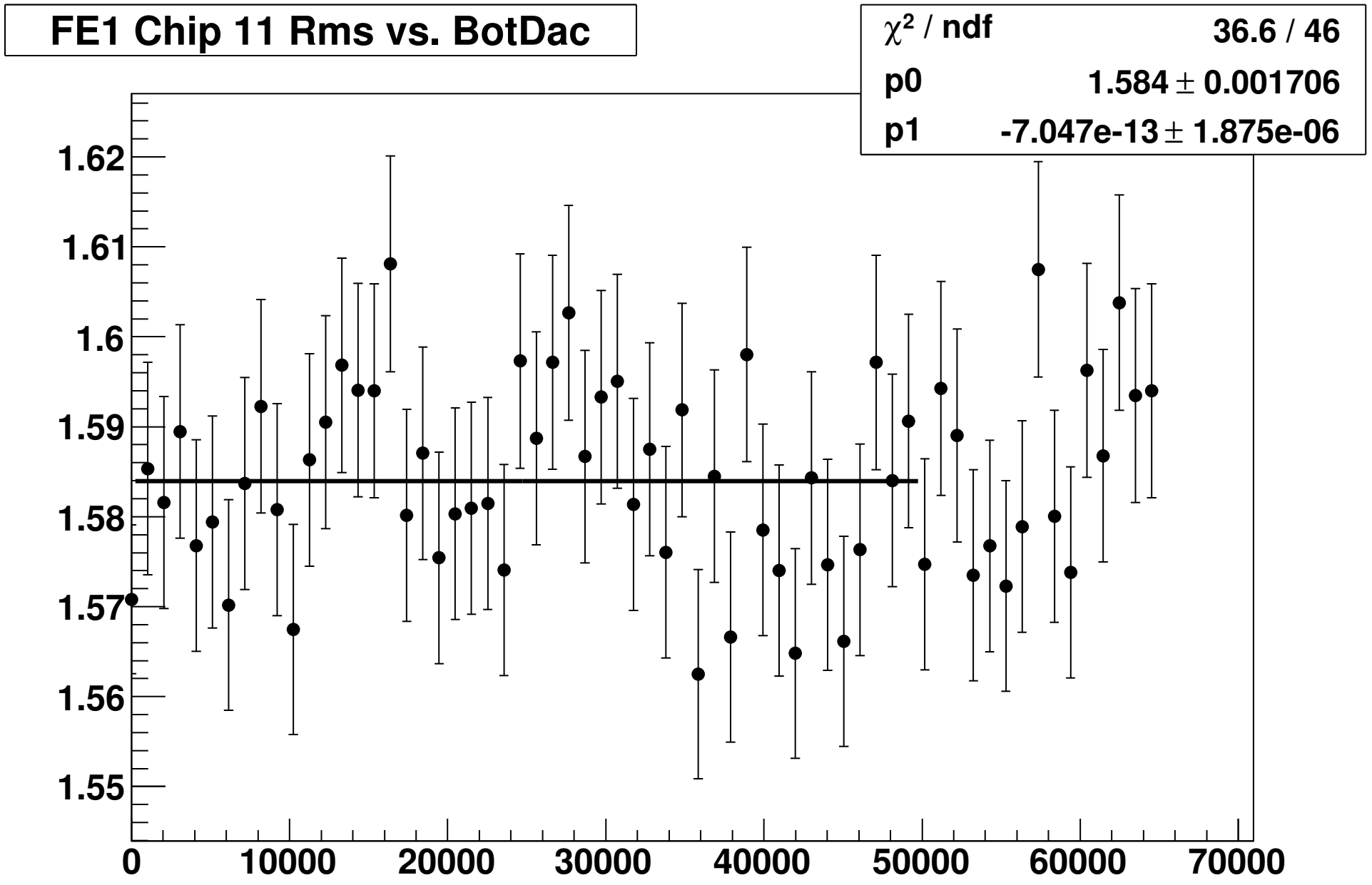
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1779 / 46
p0 1.421 ± 0.002698
p1 3.536e-05 ± 1.455e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 369.4 / 46
p0 25.5 ± 0.004895
p1 3.974e-06 ± 1.697e-07
25.8
25.7
25.6
25.5
25.4
25.3
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 36.6 / 46
p0 1.584 ± 0.001706
p1 -7.047e-13 ± 1.875e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
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20000
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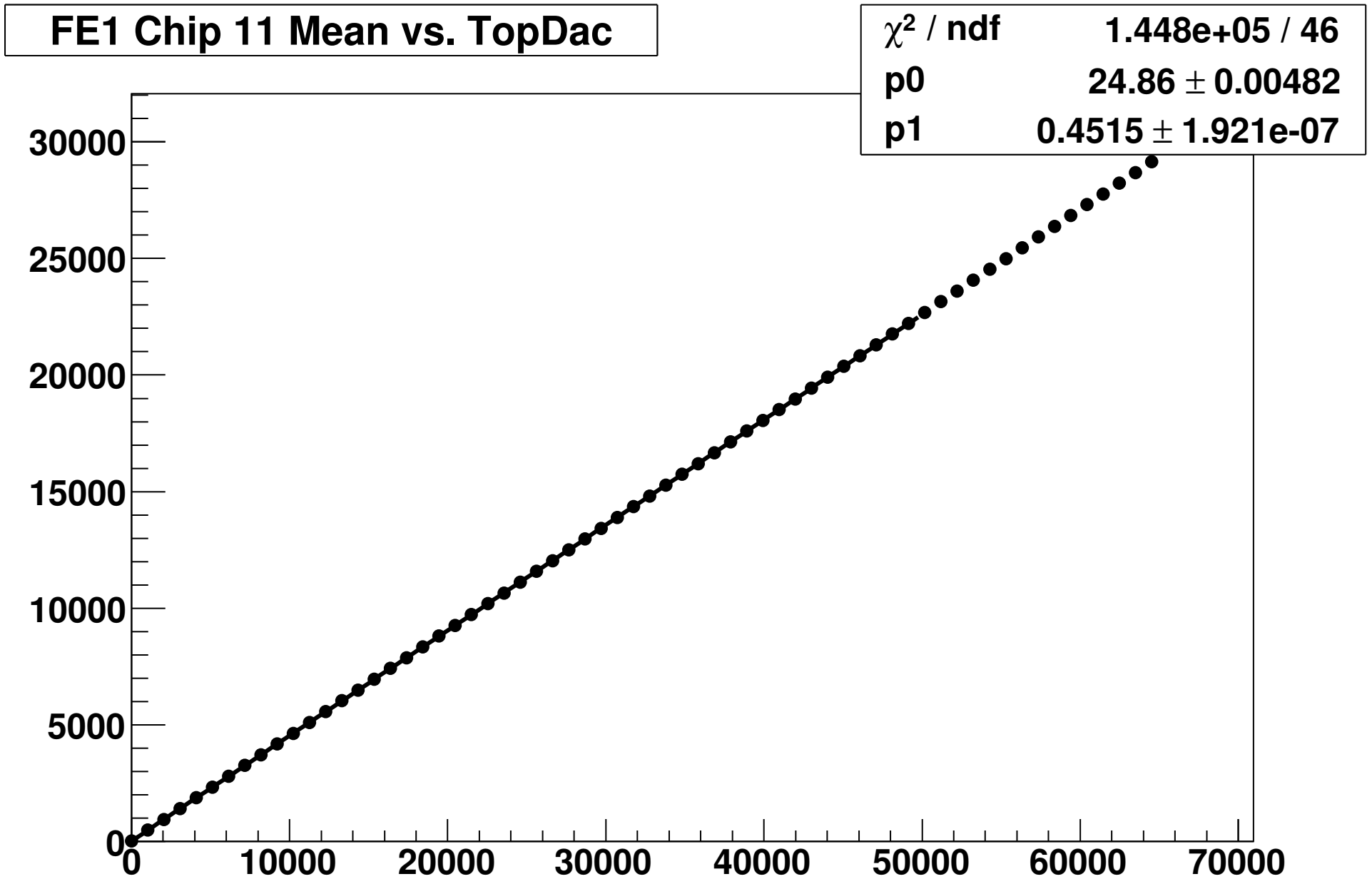
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.448e+05 / 46
p0 24.86 ± 0.00482
p1 0.4515 ± 1.921e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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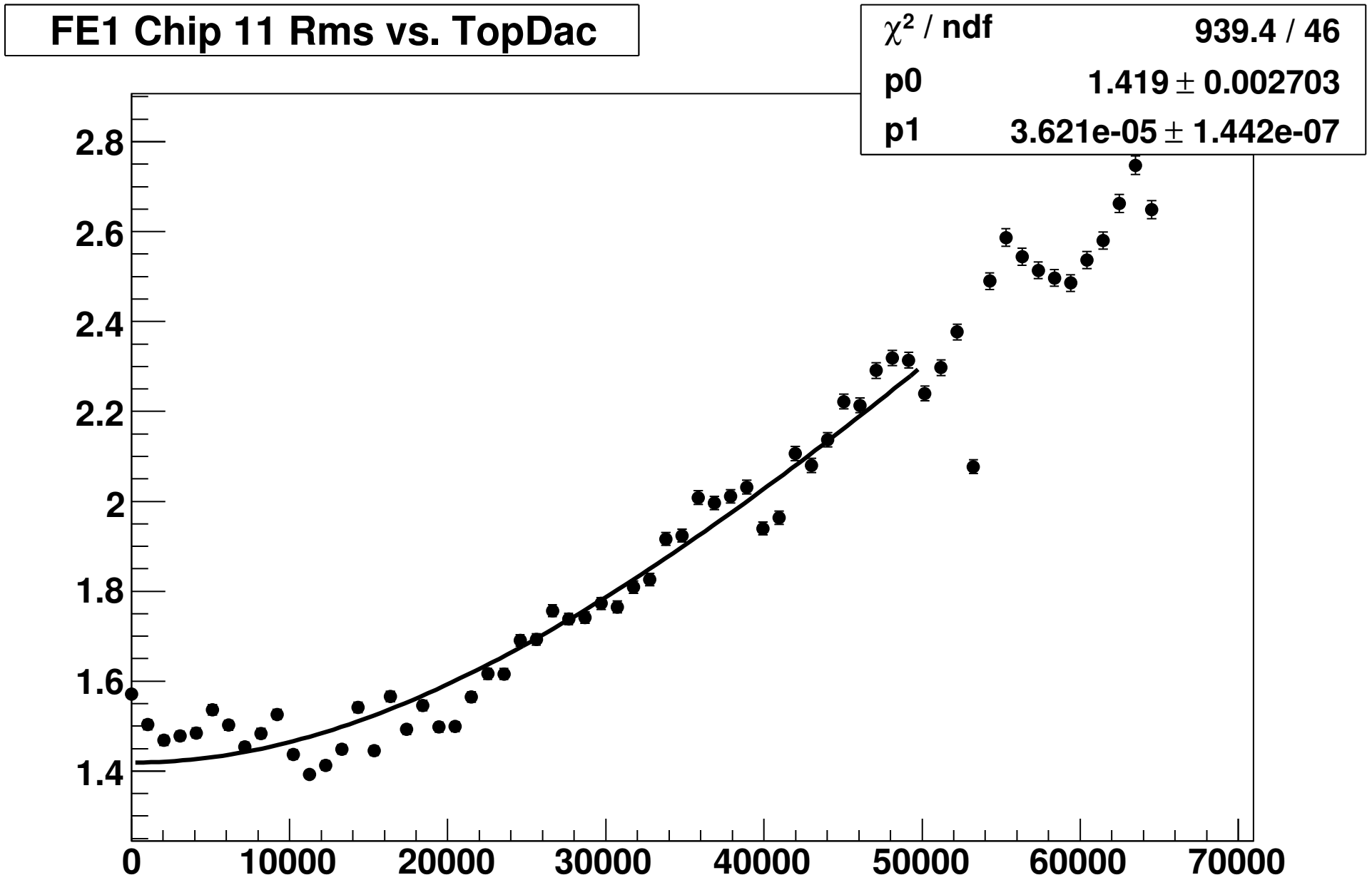
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 939.4 / 46
p0 1.419 ± 0.002703
p1 3.621e-05 ± 1.442e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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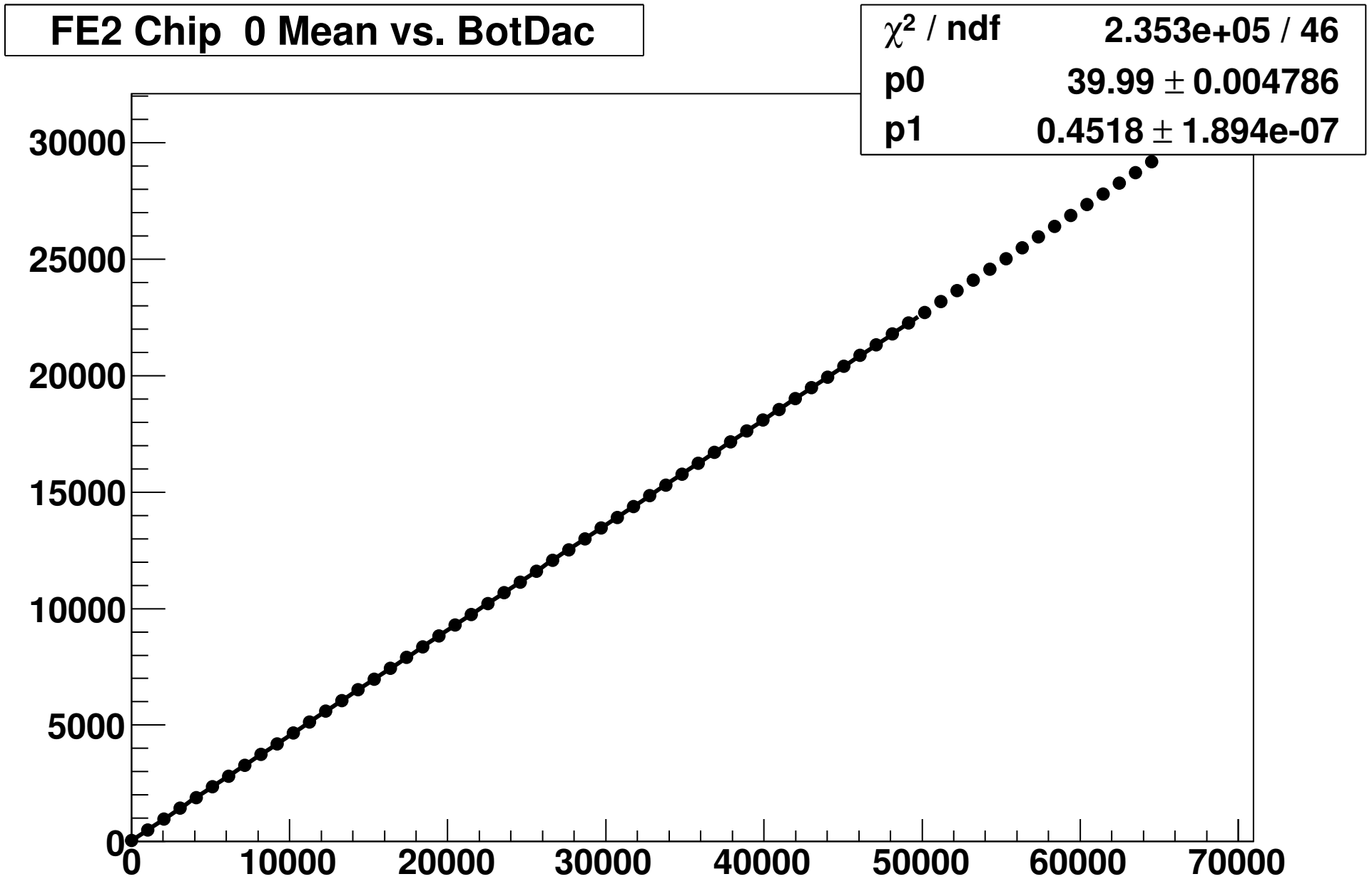
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 2.353e+05 / 46
p0 39.99 ± 0.004786
p1 0.4518 ± 1.894e-07
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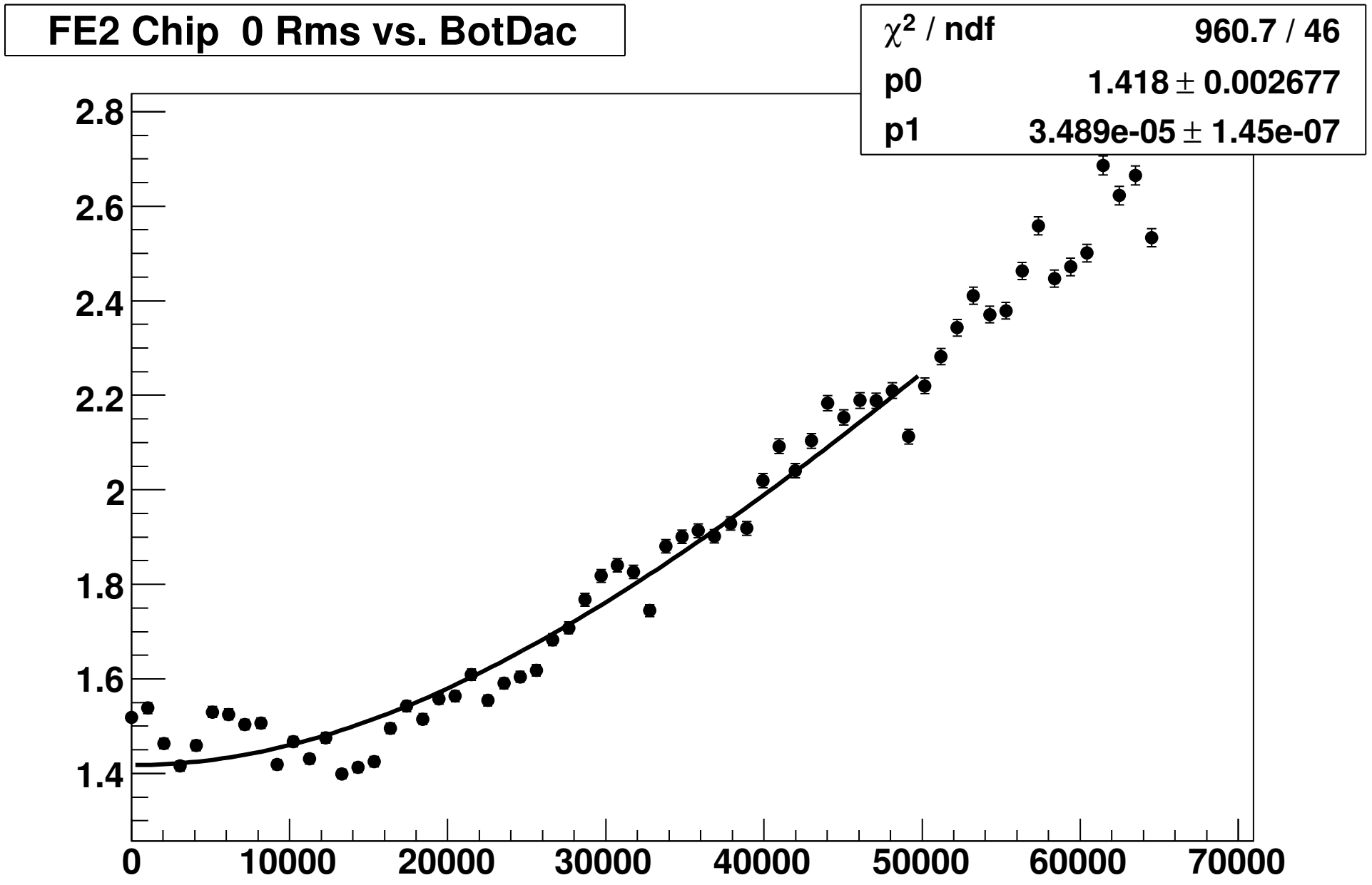
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 960.7 / 46
p0 1.418 ± 0.002677
p1 3.489e-05 ± 1.45e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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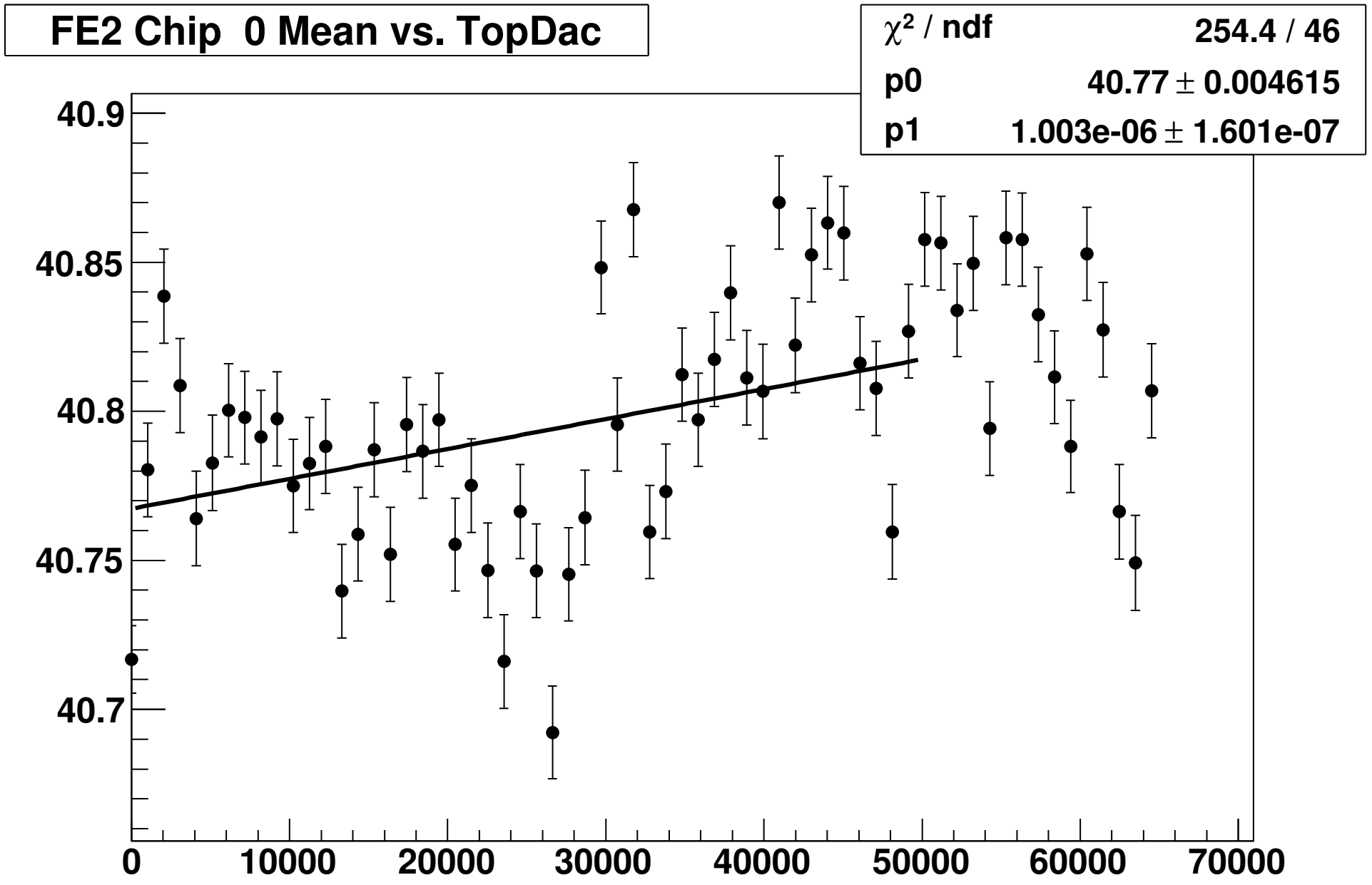
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 254.4 / 46
p0 40.77 ± 0.004615
p1 1.003e-06 ± 1.601e-07
40.9
40.85
40.8
40.75
40.7
0
10000
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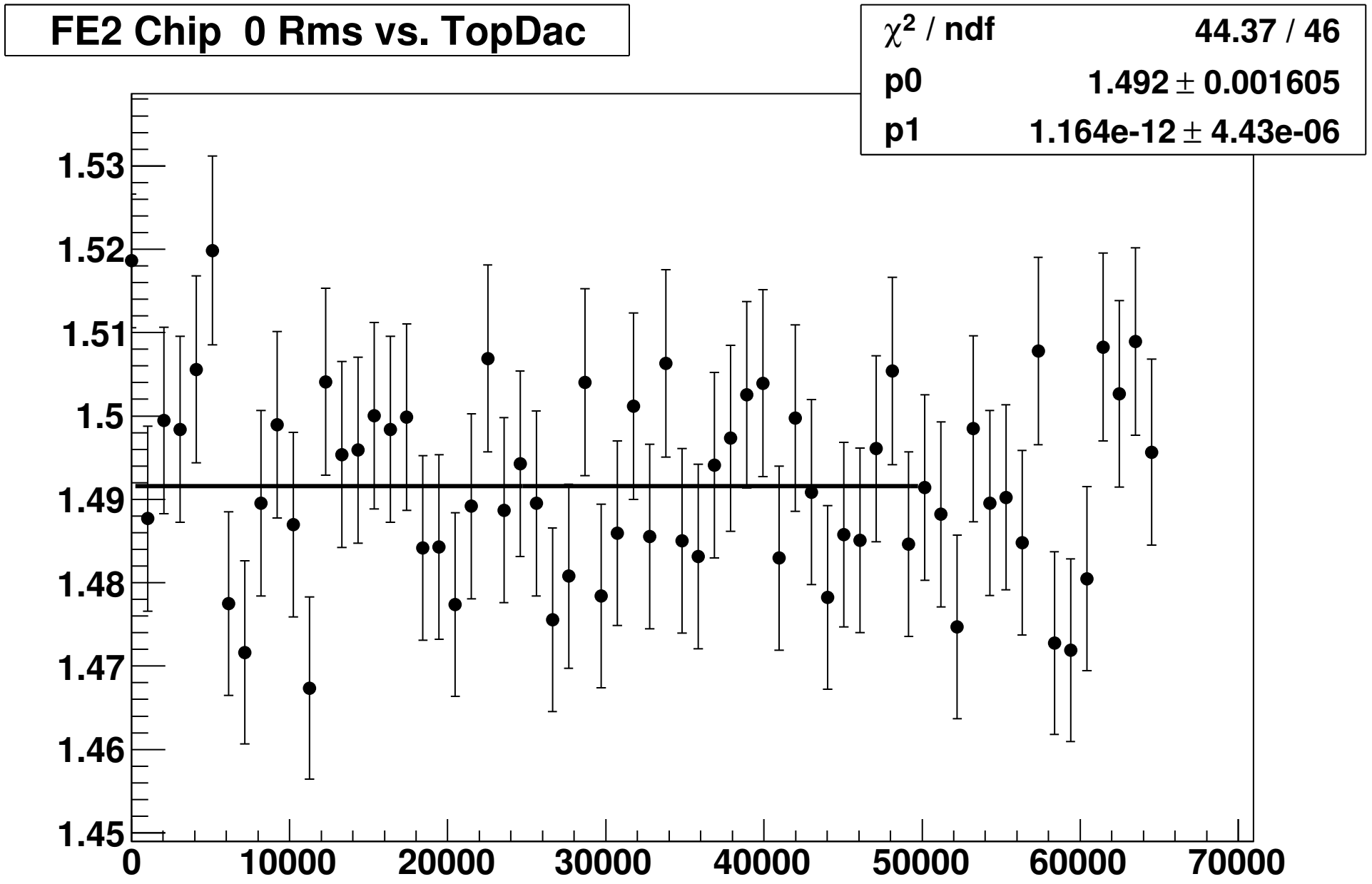
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 44.37 / 46
p0 1.492 ± 0.001605
p1 1.164e-12 ± 4.43e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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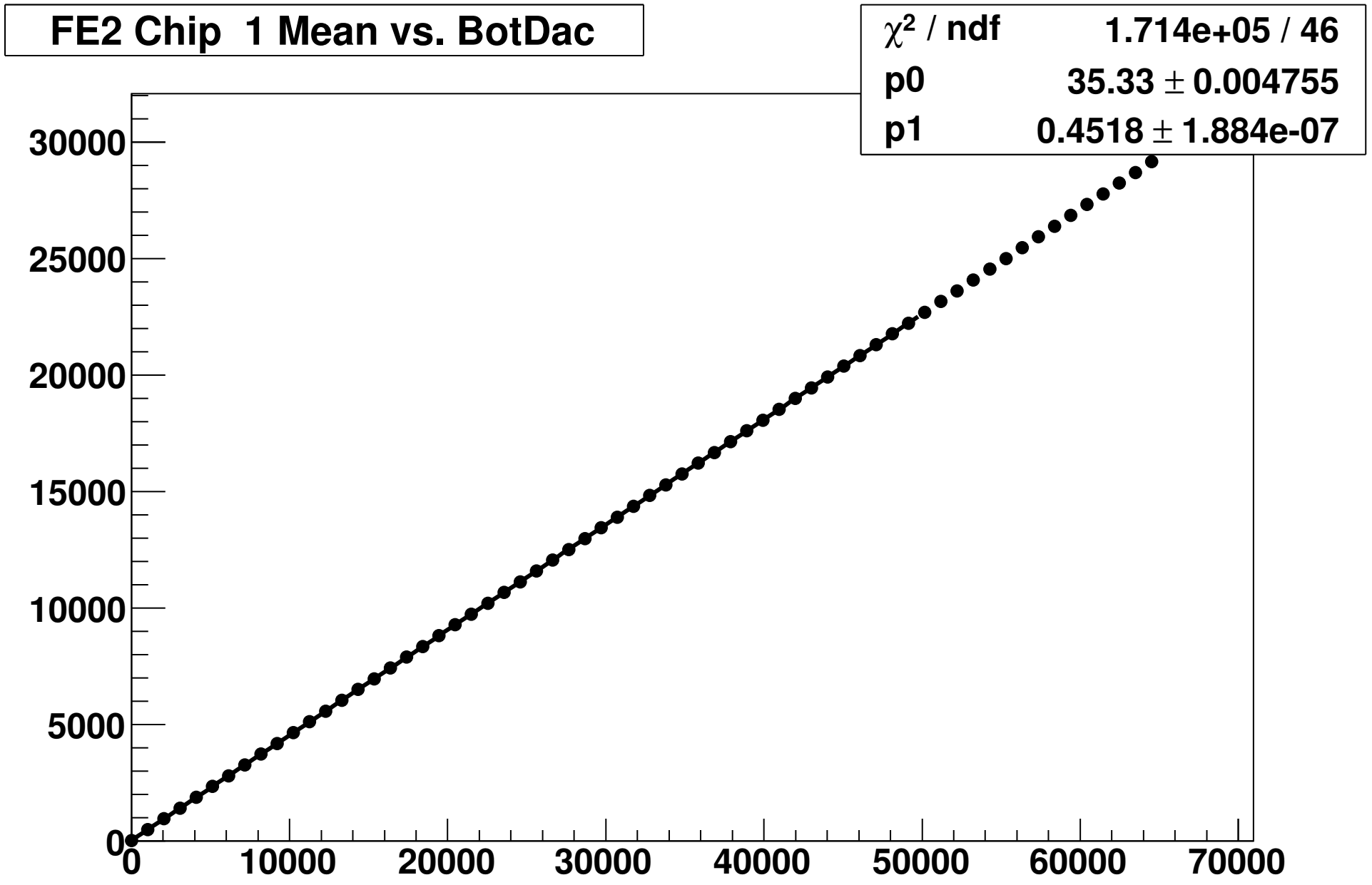
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.714e+05 / 46
p0 35.33 ± 0.004755
p1 0.4518 ± 1.884e-07
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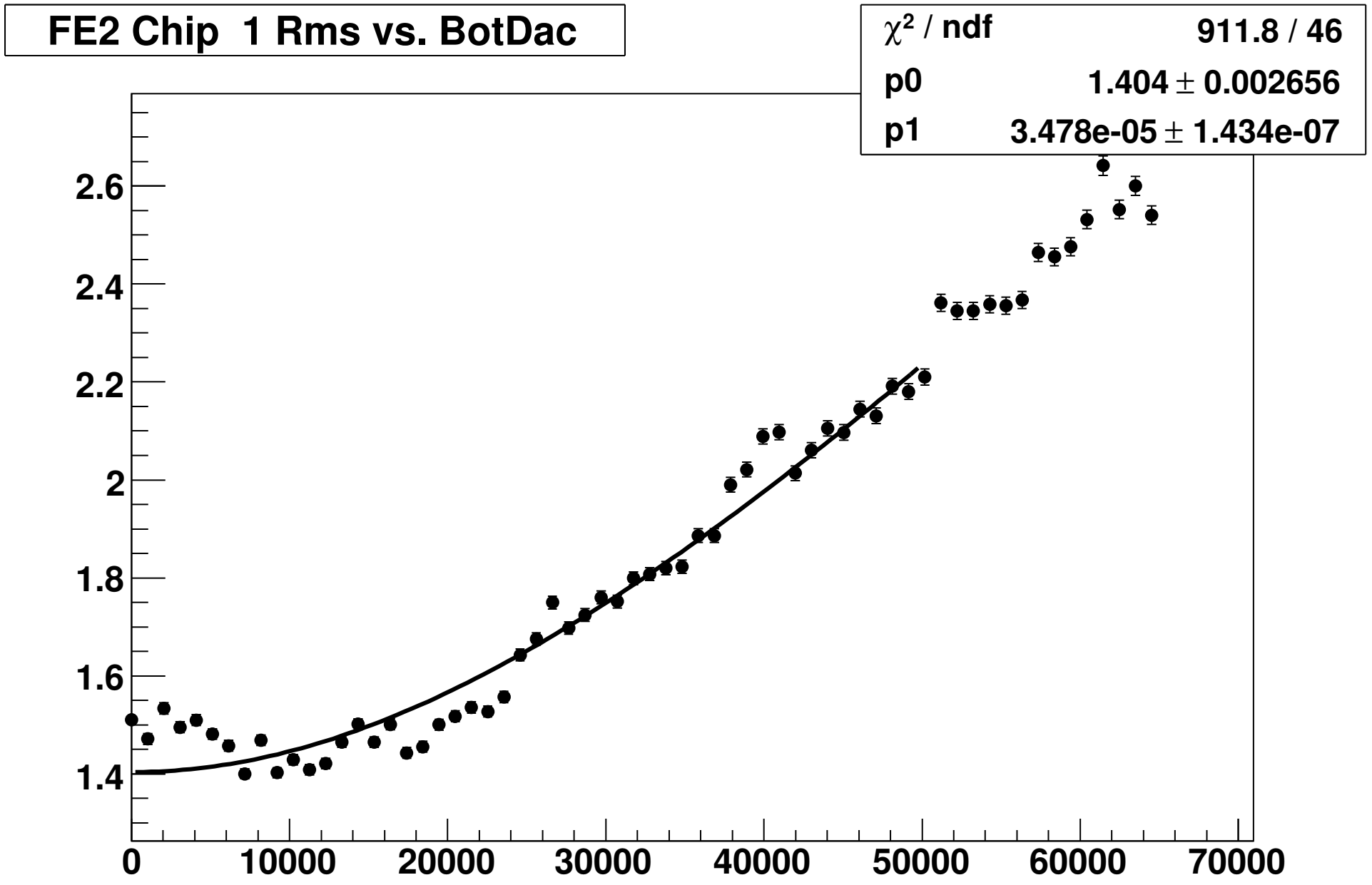
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 911.8 / 46
p0 1.404 ± 0.002656
p1 3.478e-05 ± 1.434e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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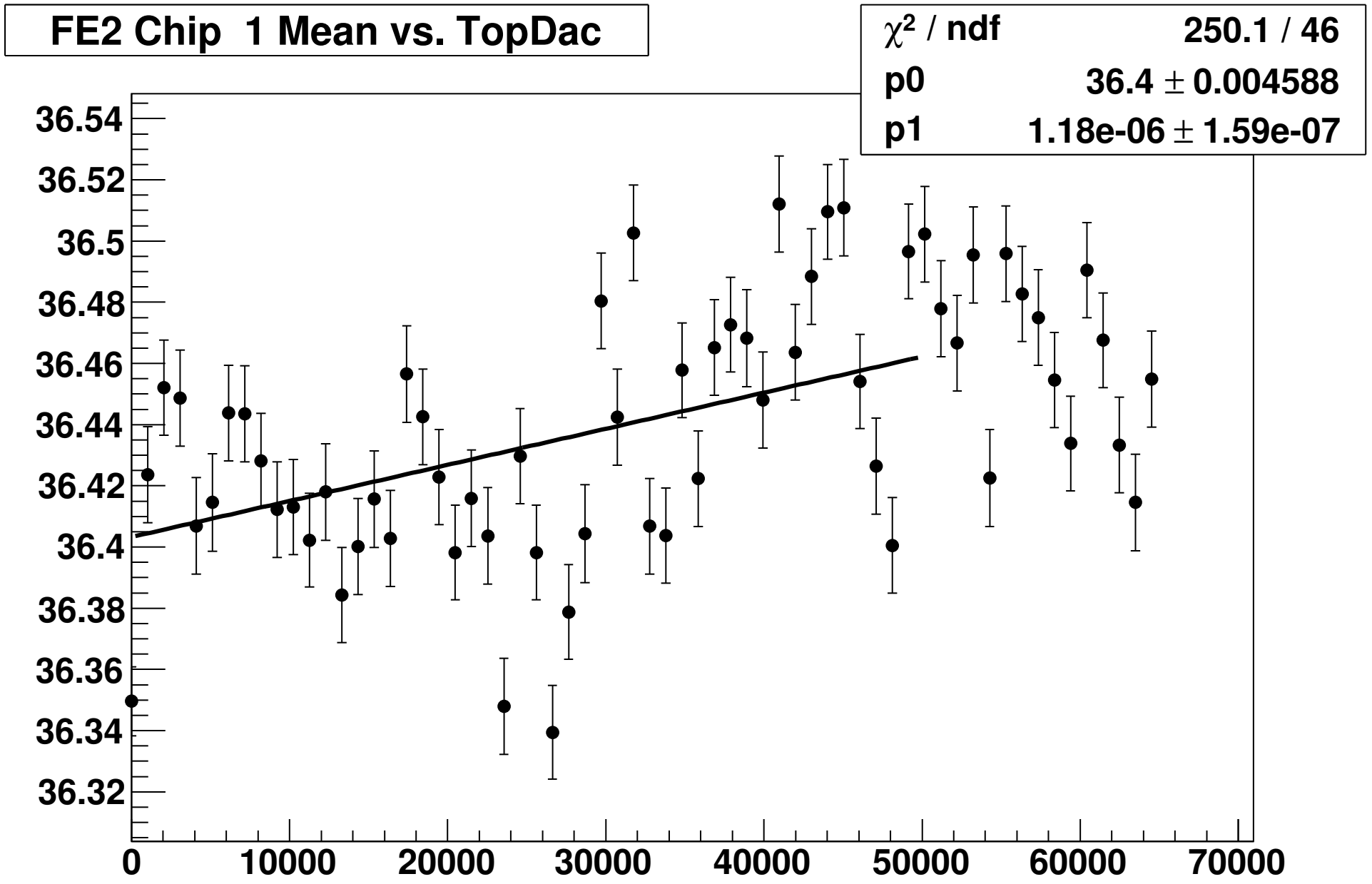
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 250.1 / 46
p0 36.4 ± 0.004588
p1 1.18e-06 ± 1.59e-07
36.54
36.52
36.5
36.48
36.46
36.44
36.42
36.4
36.38
36.36
36.34
36.32
0
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50000
60000
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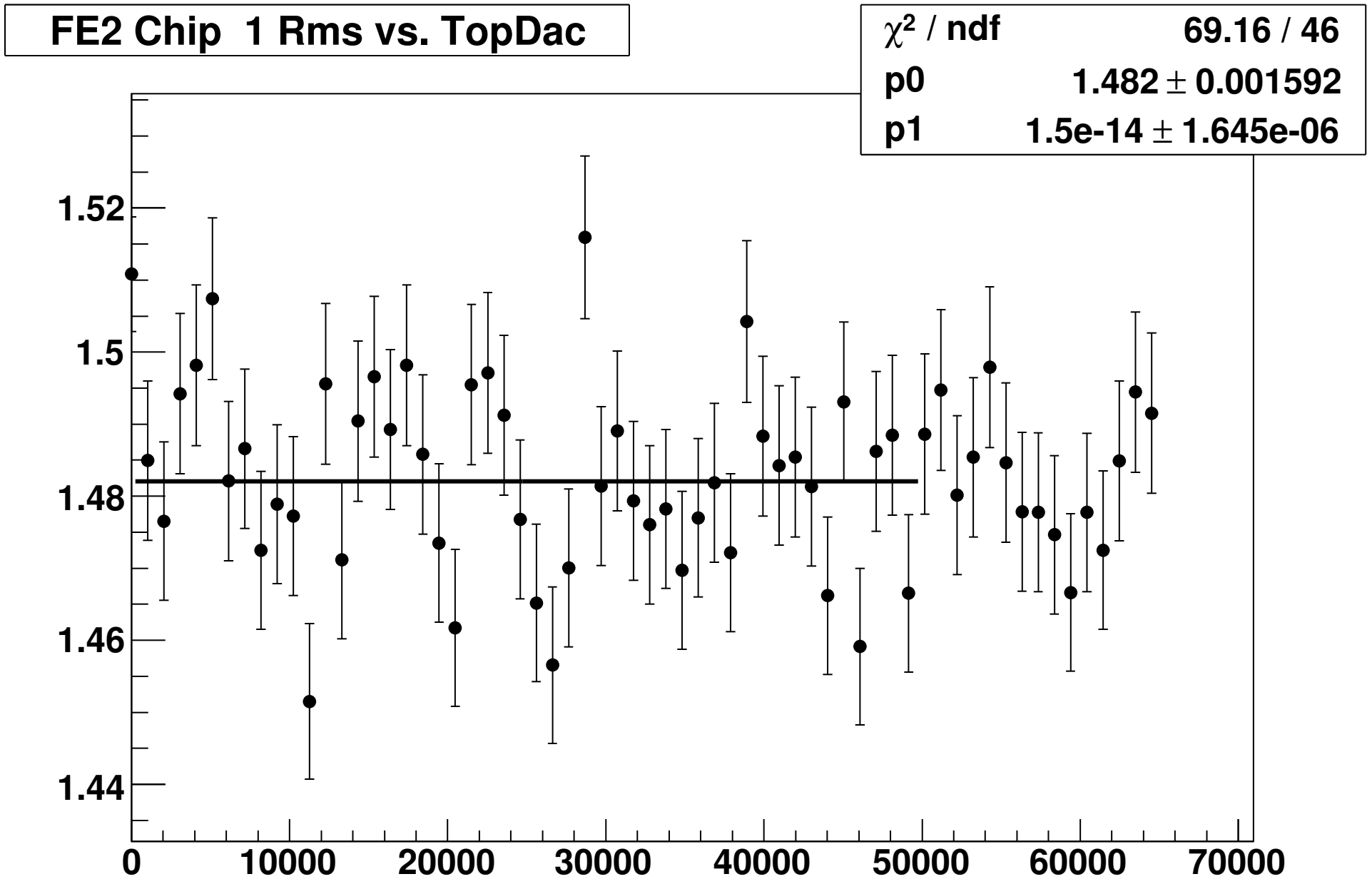
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 69.16 / 46
p0 1.482 ± 0.001592
p1 1.5e-14 ± 1.645e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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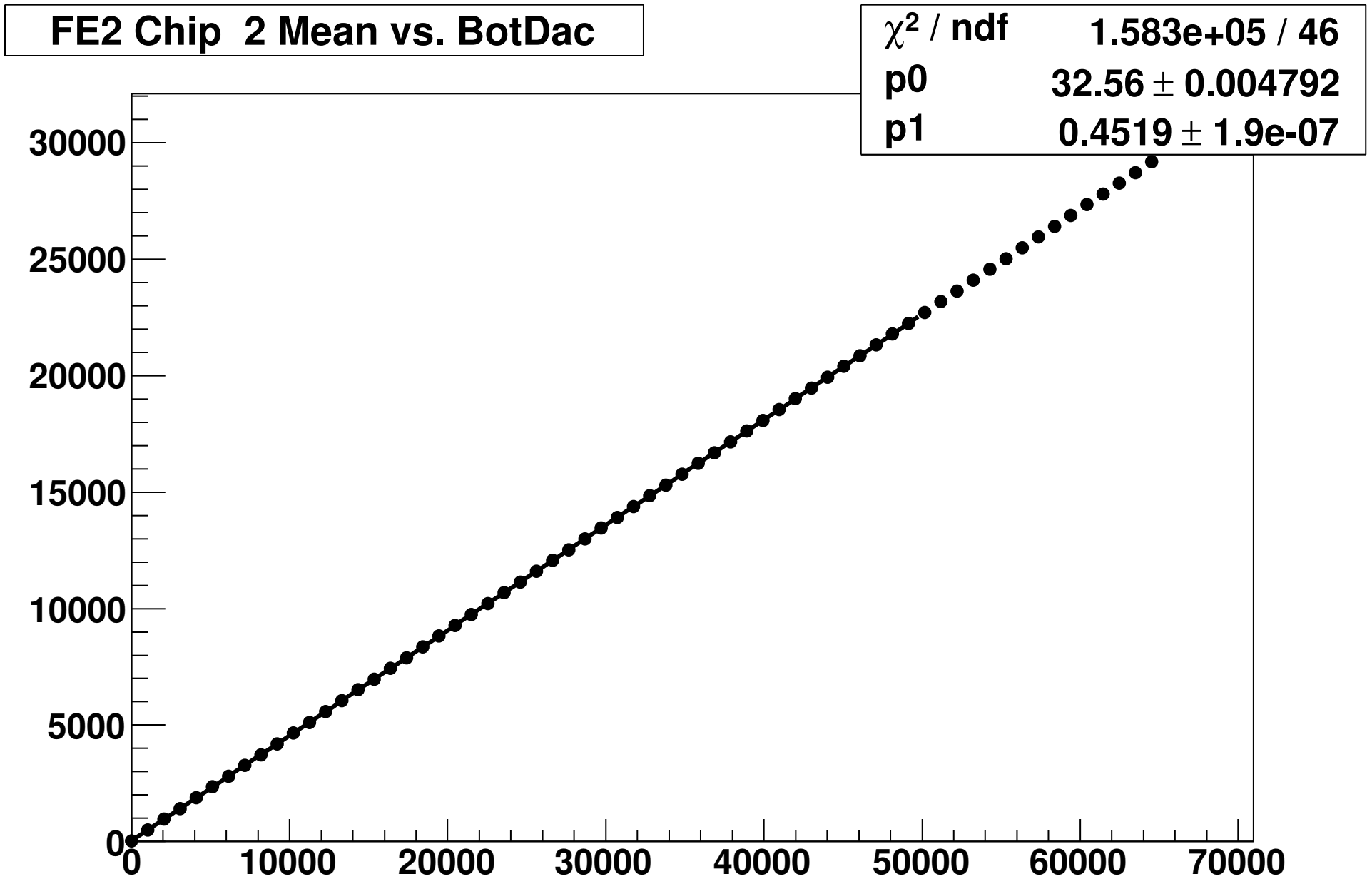
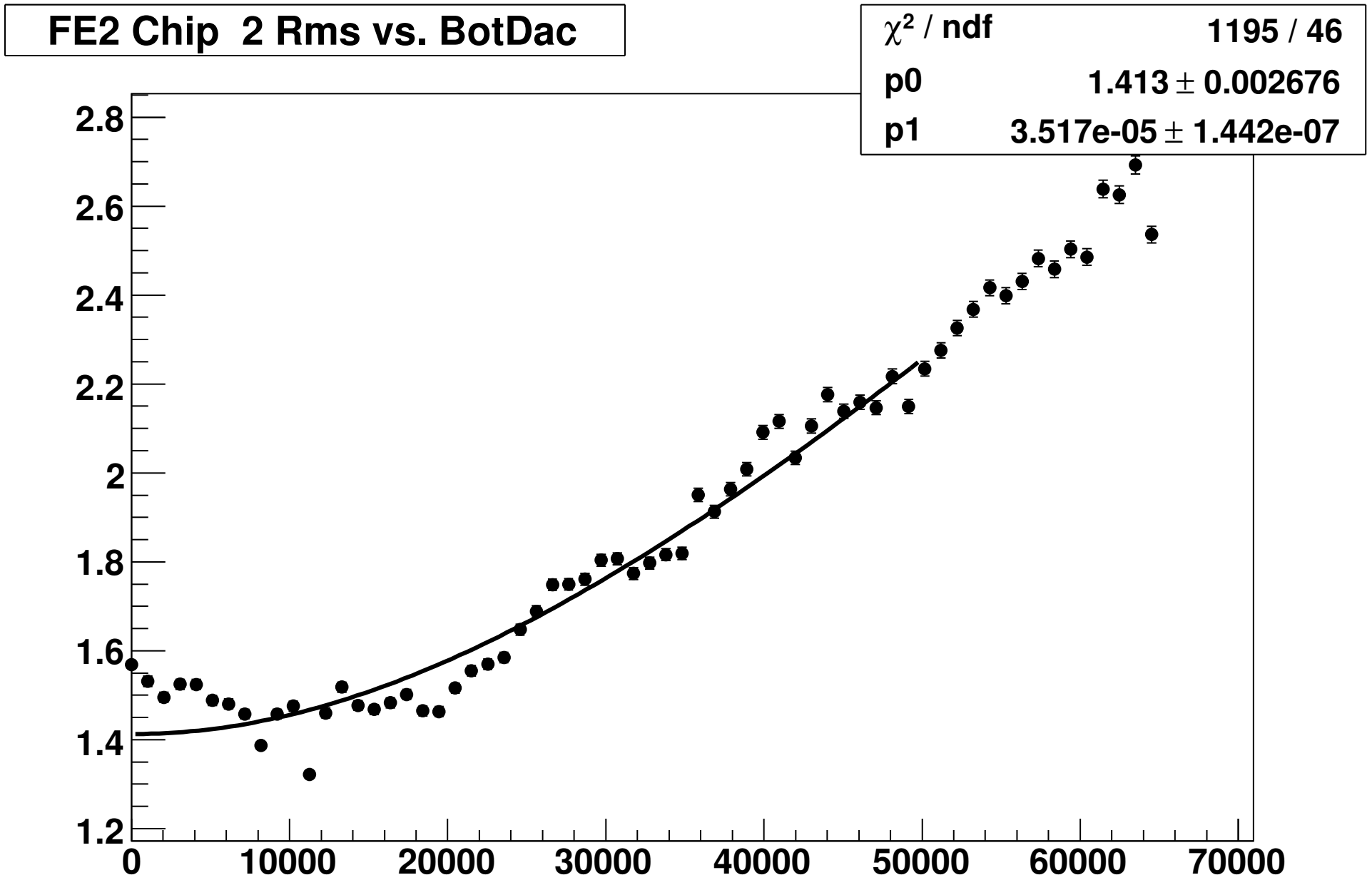
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.583e+05 / 46
p0 32.56 ± 0.004792
p1 0.4519 ± 1.9e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 1195 / 46
p0 1.413 ± 0.002676
p1 3.517e-05 ± 1.442e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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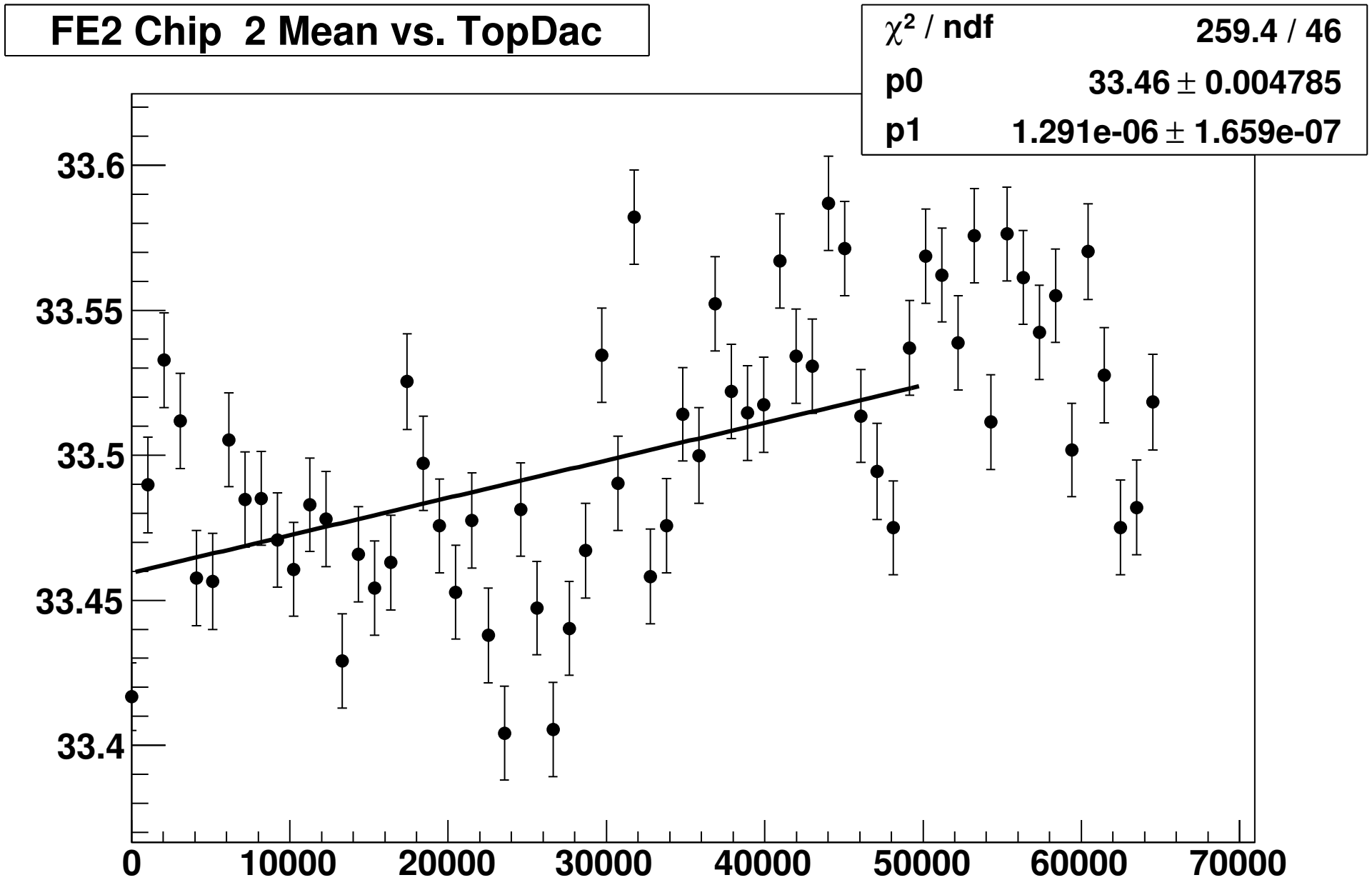
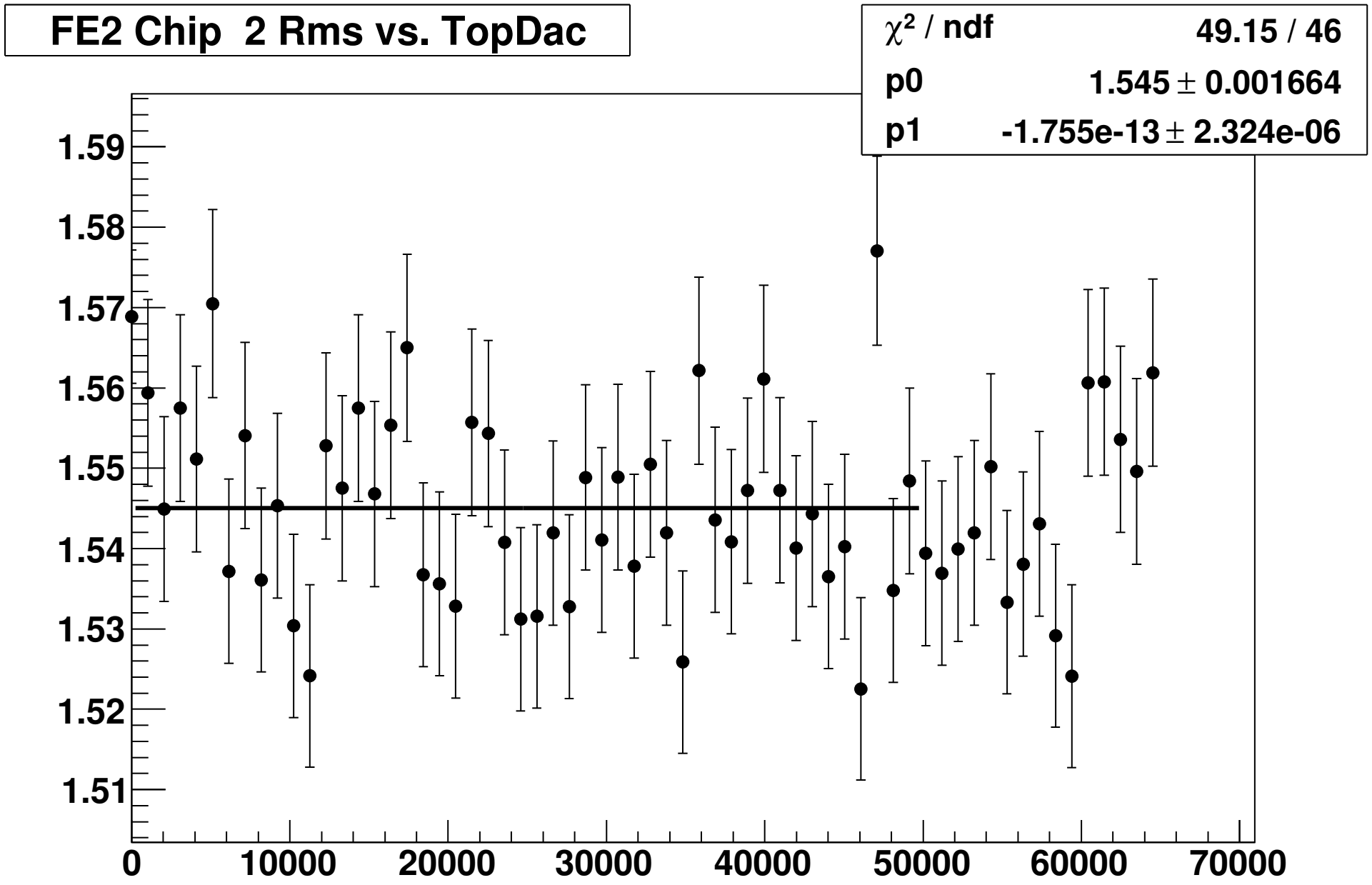

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 259.4 / 46
p0 33.46 ± 0.004785
p1 1.291e-06 ± 1.659e-07
33.6
33.55
33.5
33.45
33.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 49.15 / 46
p0 1.545 ± 0.001664
p1 -1.755e-13 ± 2.324e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
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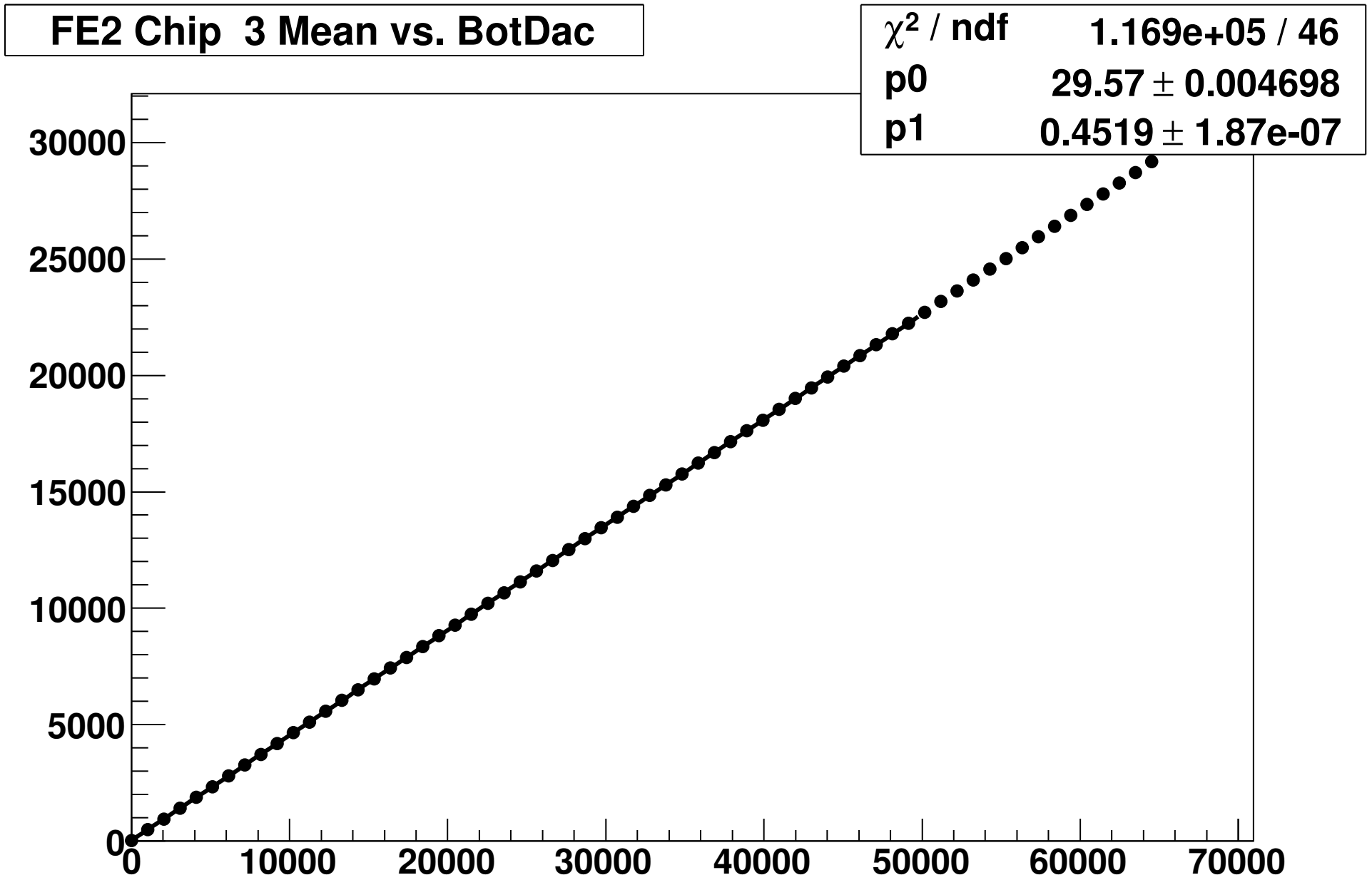
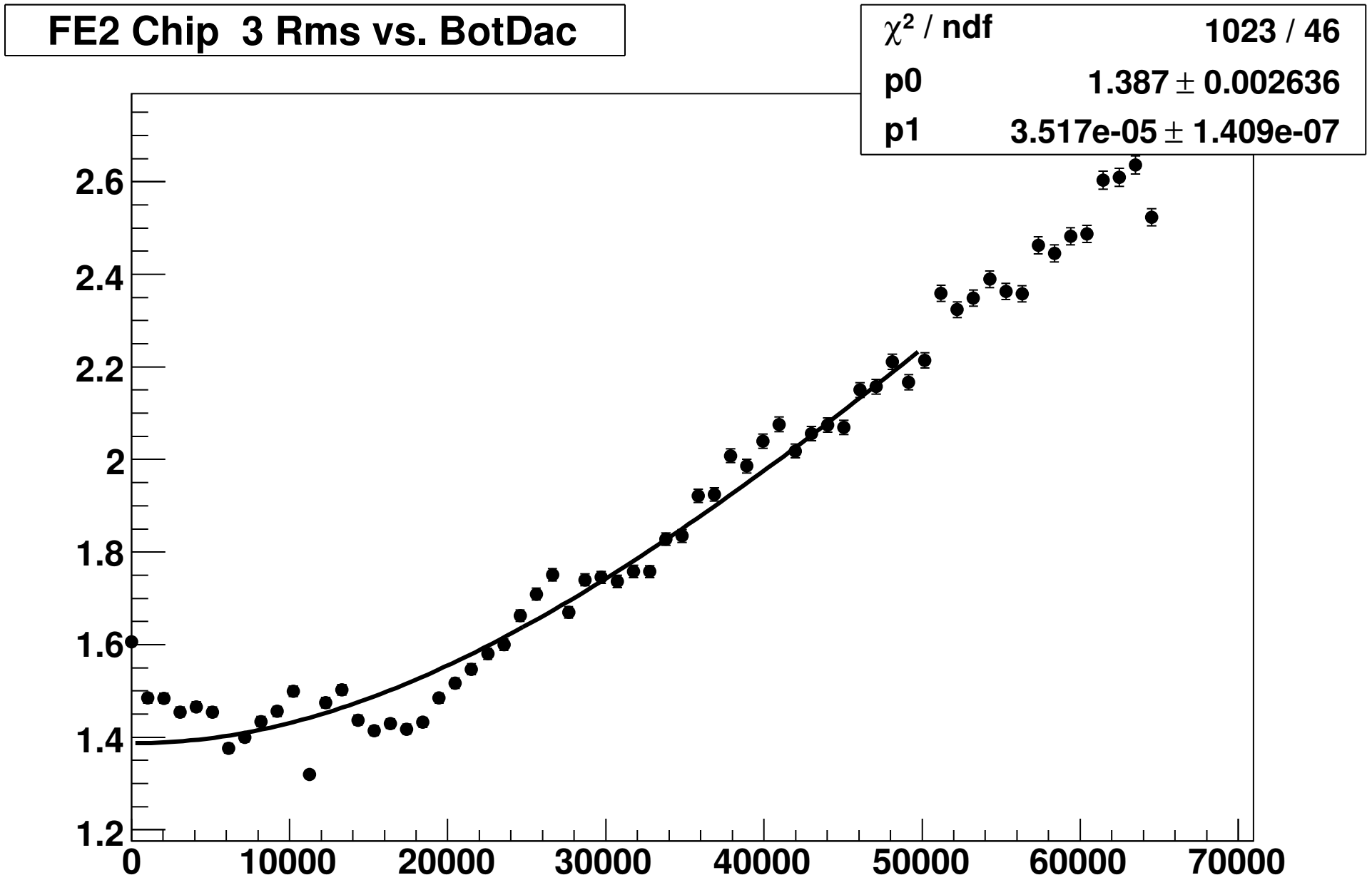
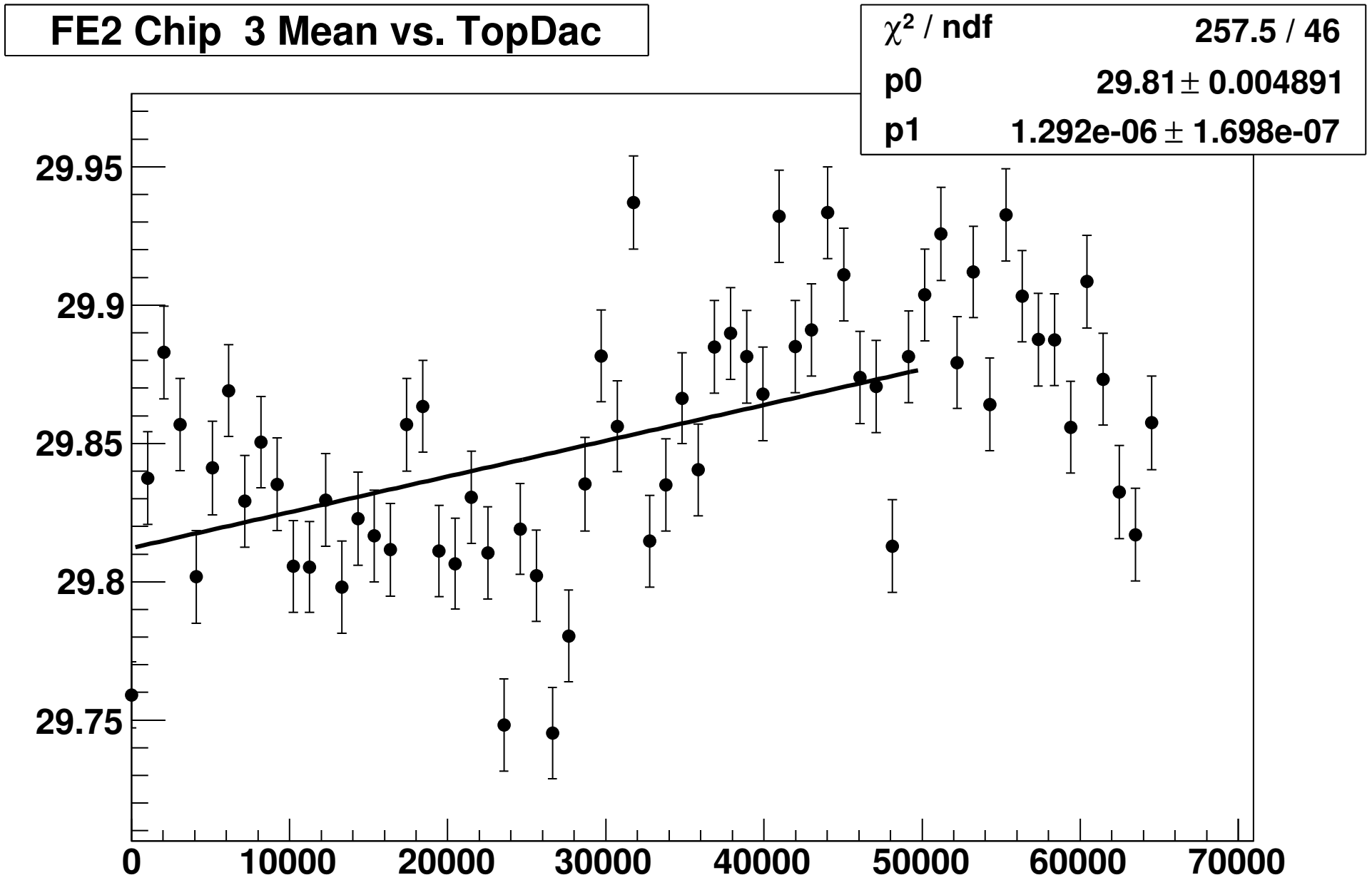
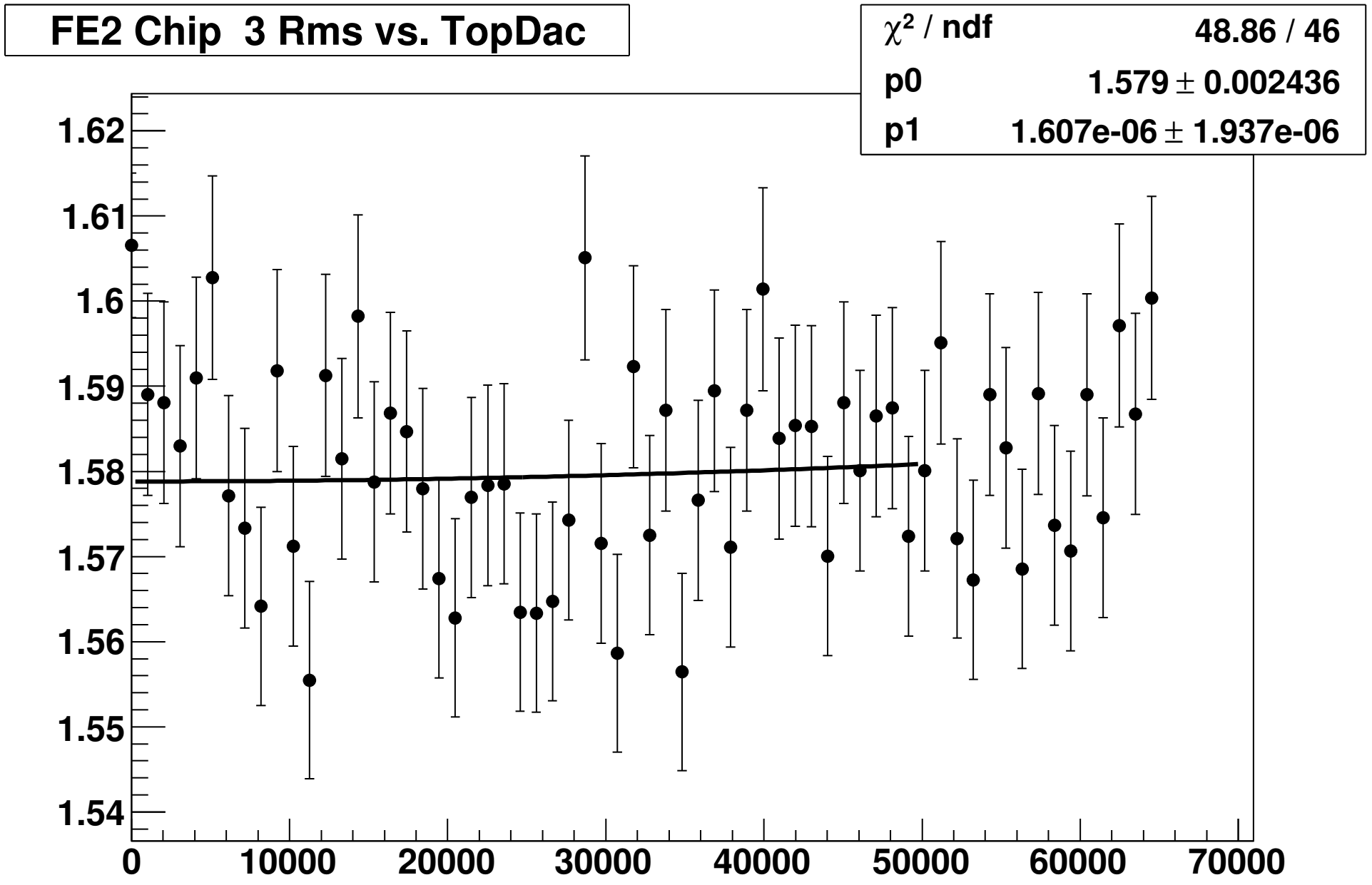

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.169e+05 / 46
p0 29.57 ± 0.004698
p1 0.4519 ± 1.87e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 1023 / 46
p0 1.387 ± 0.002636
p1 3.517e-05 ± 1.409e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 257.5 / 46
p0 29.81 ± 0.004891
p1 1.292e-06 ± 1.698e-07
29.95
29.9
29.85
29.8
29.75
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 48.86 / 46
p0 1.579 ± 0.002436
p1 1.607e-06 ± 1.937e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
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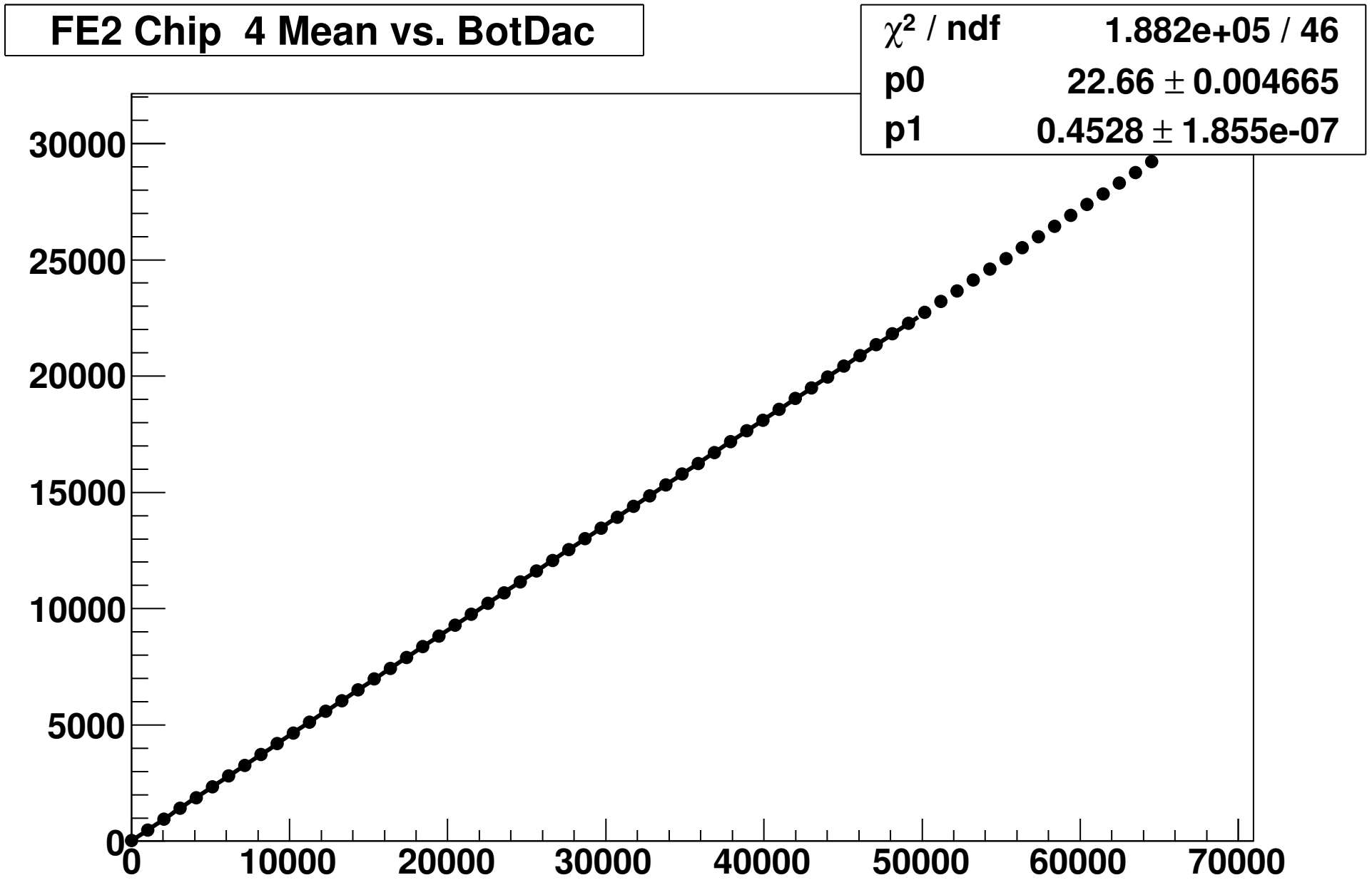
FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.882e+05 / 46
p0 22.66 ± 0.004665
p1 0.4528 ± 1.855e-07
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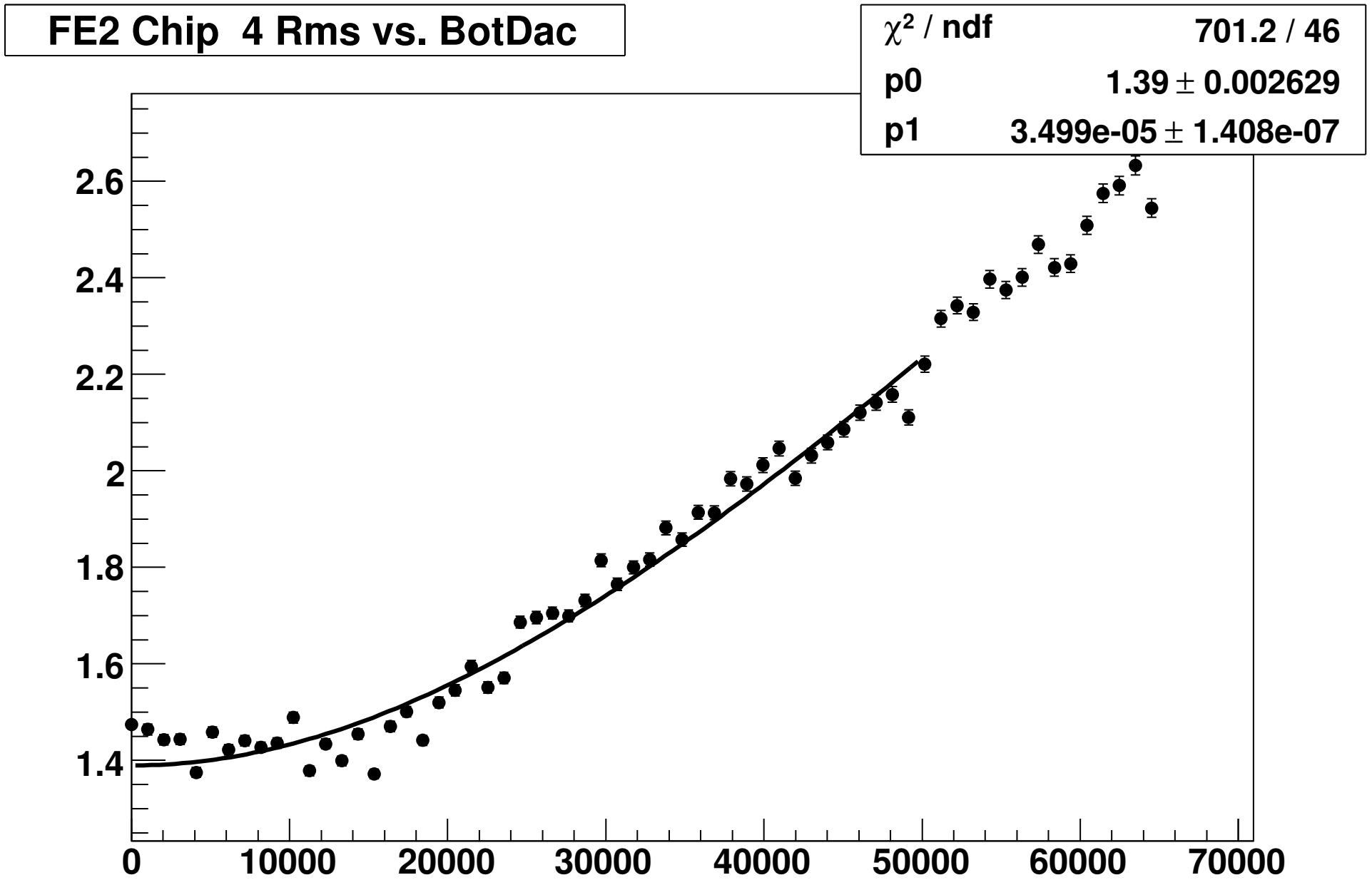
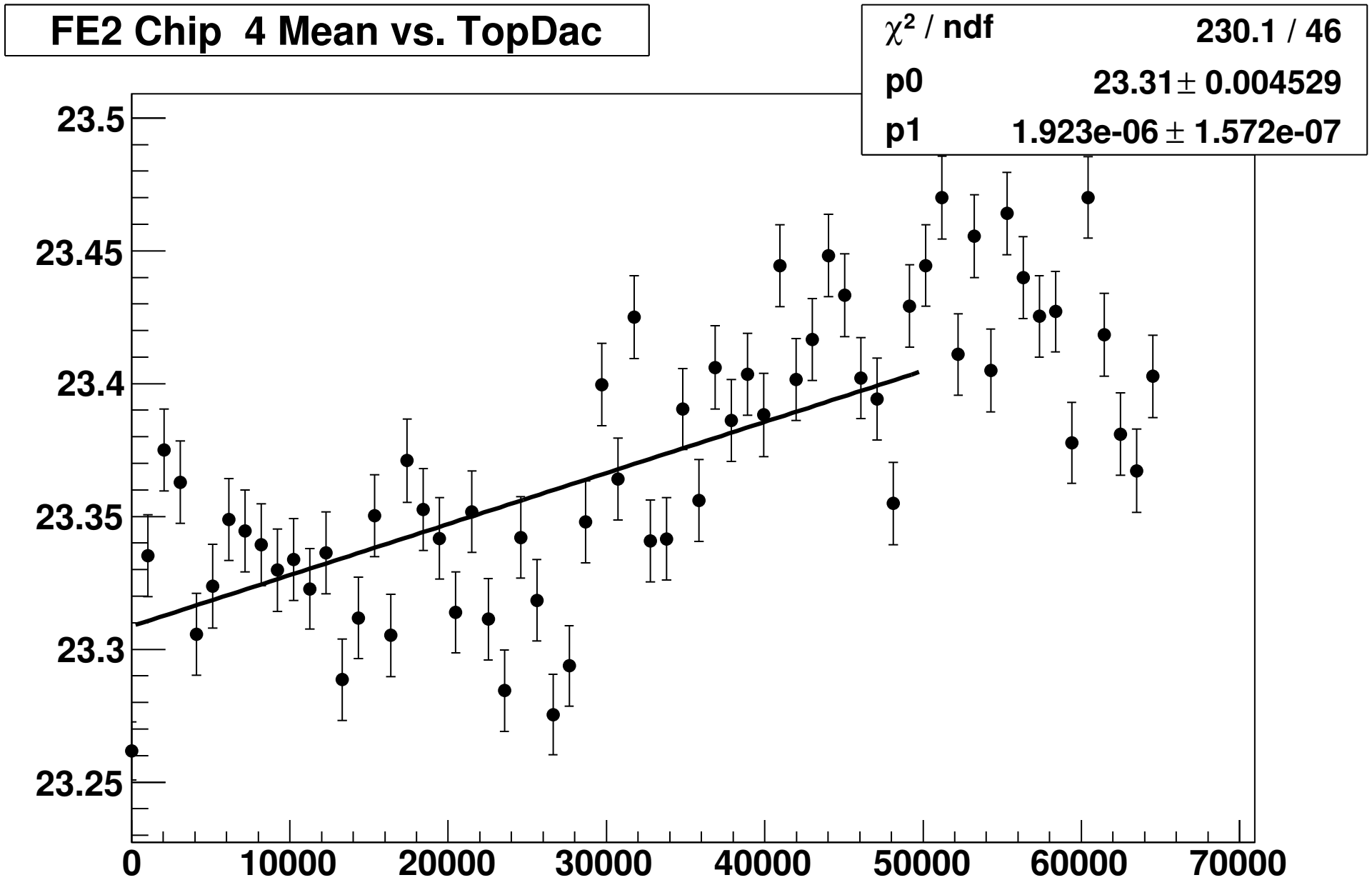
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 701.2 / 46
p0 1.39 ± 0.002629
p1 3.499e-05 ± 1.408e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 230.1 / 46
p0 23.31 ± 0.004529
p1 1.923e-06 ± 1.572e-07
23.5
23.45
23.4
23.35
23.3
23.25
0
10000
20000
30000
40000
50000
60000
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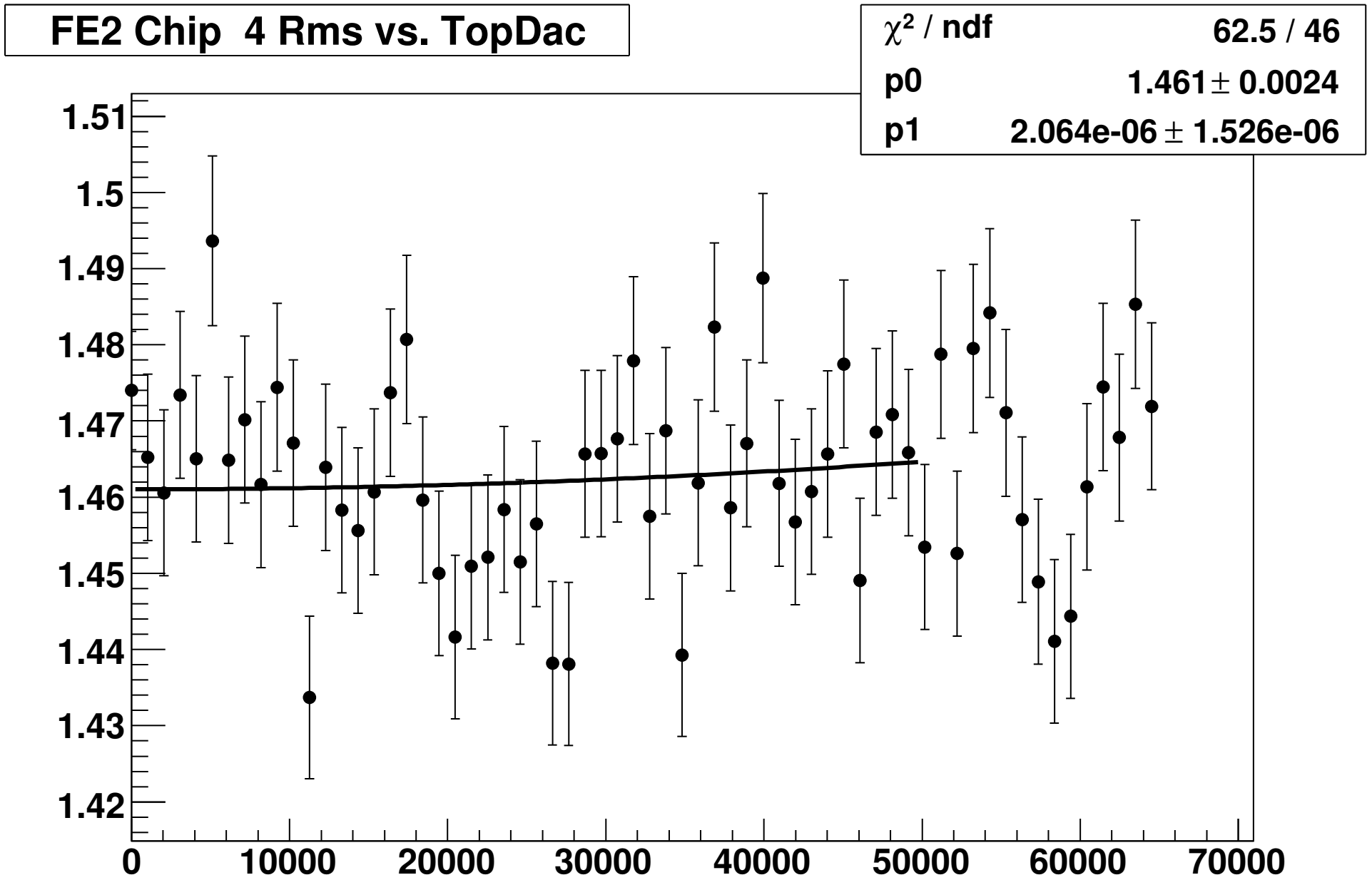
FE2 Chip 4 Rms vs. TopDac
χ² / ndf 62.5 / 46
p0 1.461 ± 0.0024
p1 2.064e-06 ± 1.526e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
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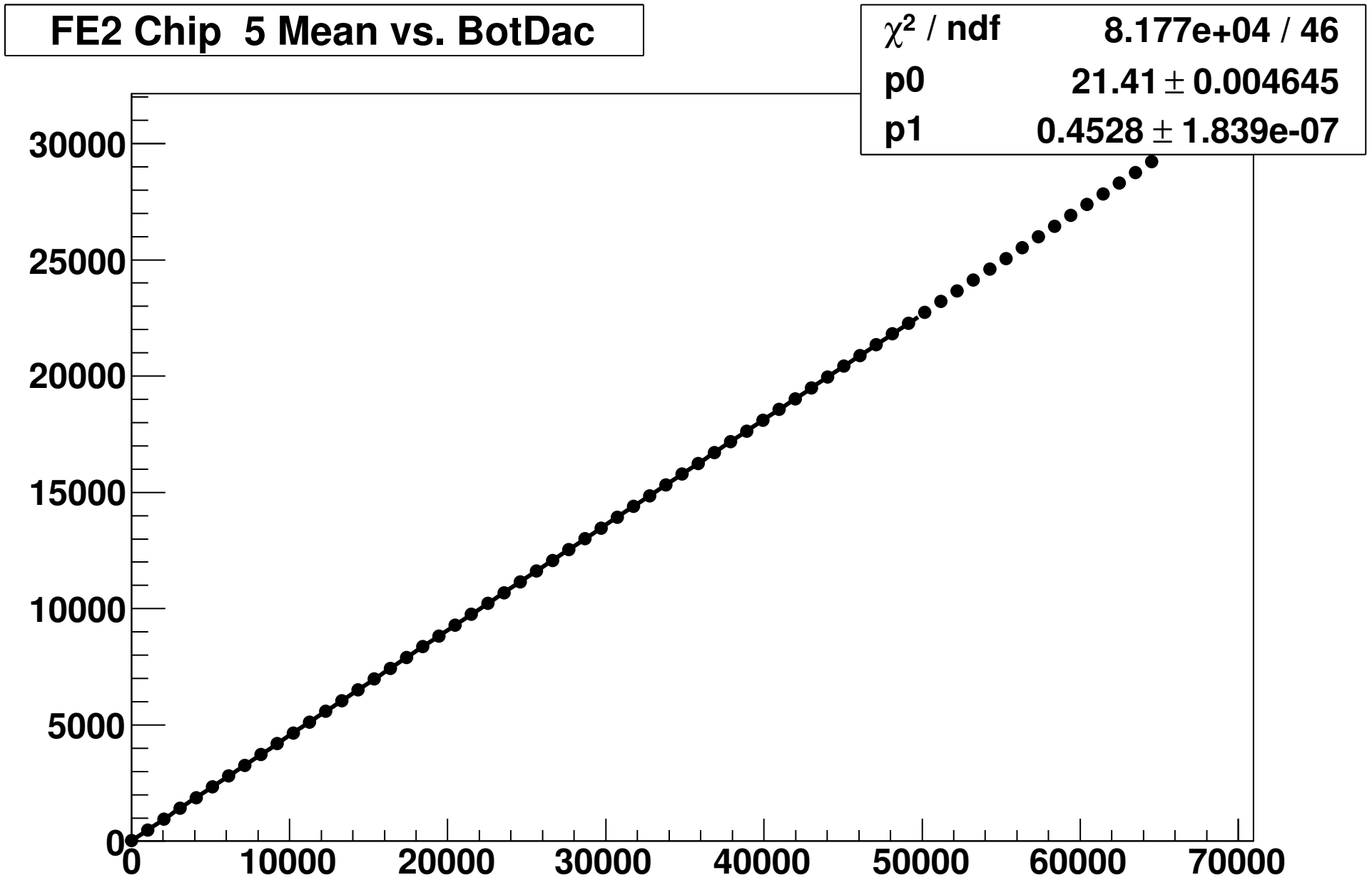
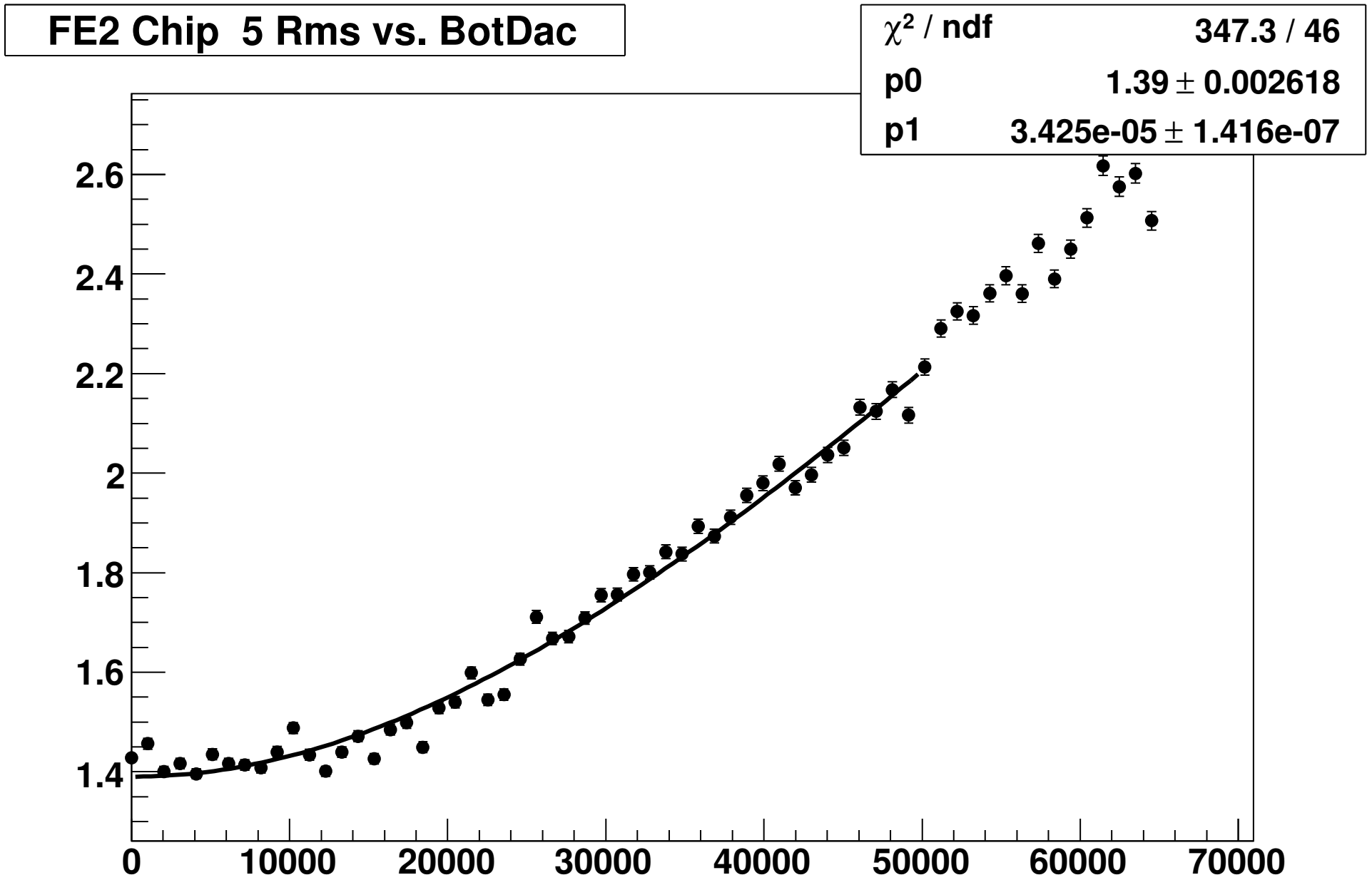
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 8.177e+04 / 46
p0 21.41 ± 0.004645
p1 0.4528 ± 1.839e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 347.3 / 46
p0 1.39 ± 0.002618
p1 3.425e-05 ± 1.416e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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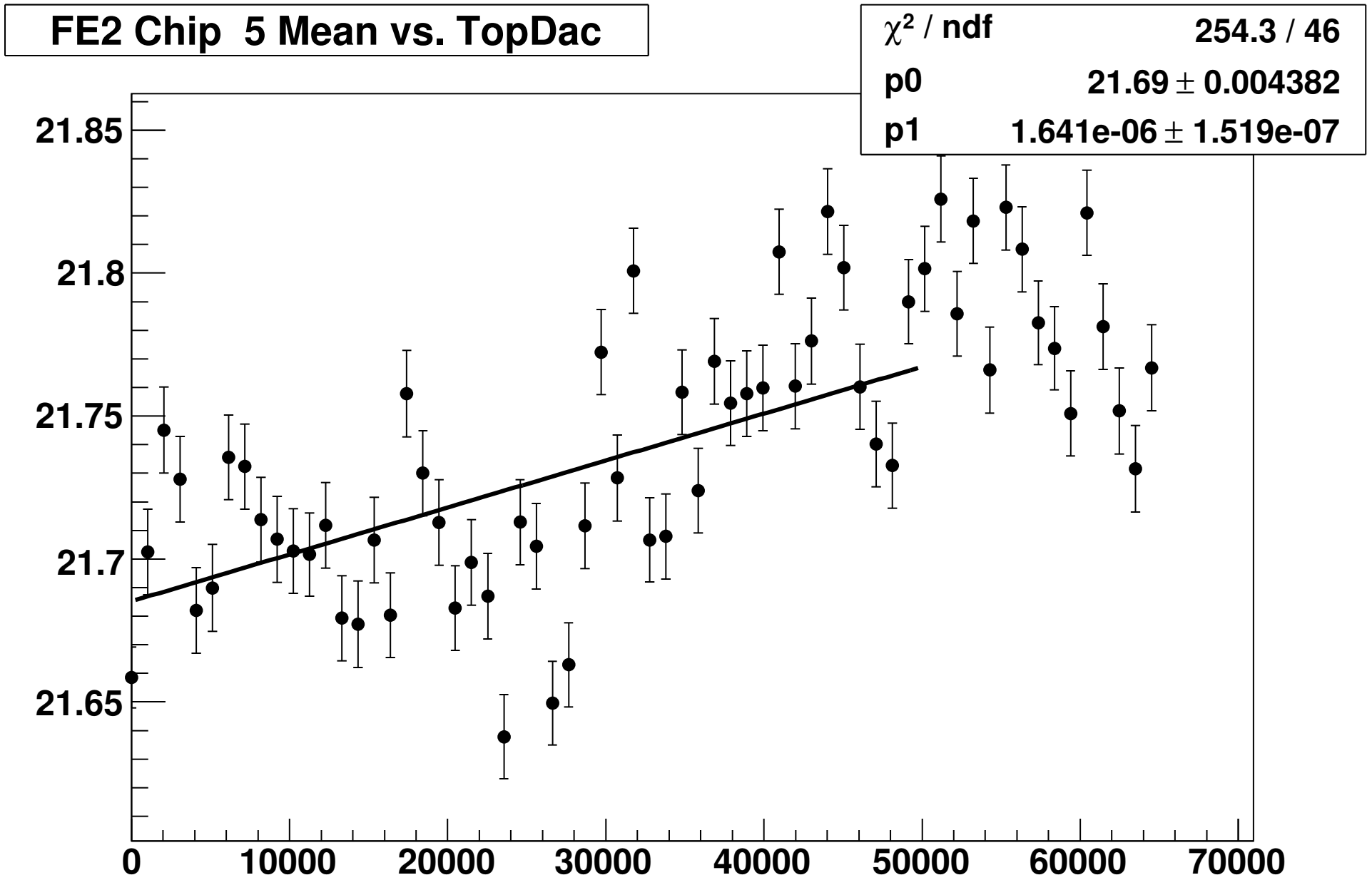
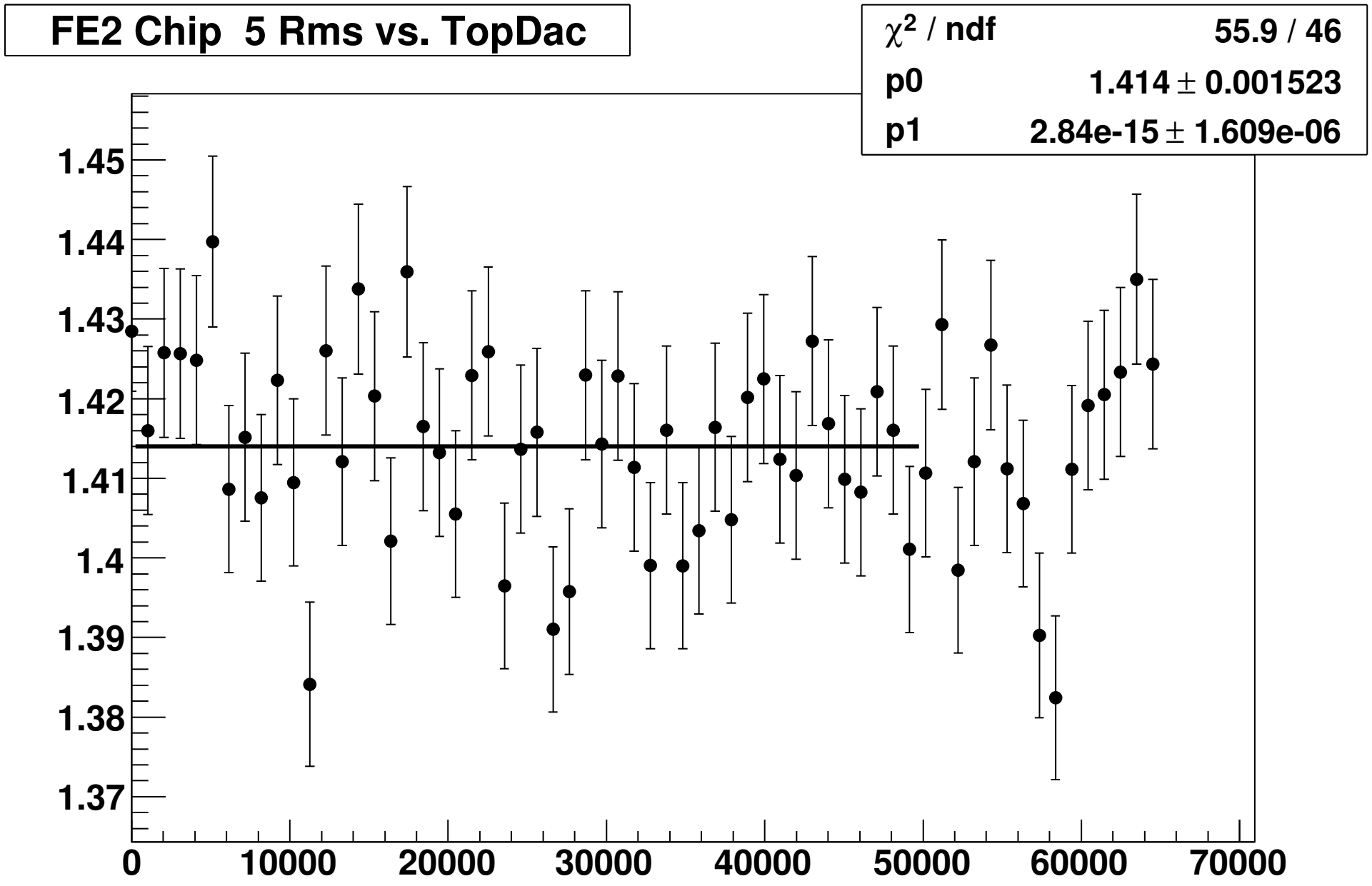

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 254.3 / 46
p0 21.69 ± 0.004382
p1 1.641e-06 ± 1.519e-07
21.85
21.8
21.75
21.7
21.65
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 55.9 / 46
p0 1.414 ± 0.001523
p1 2.84e-15 ± 1.609e-06
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
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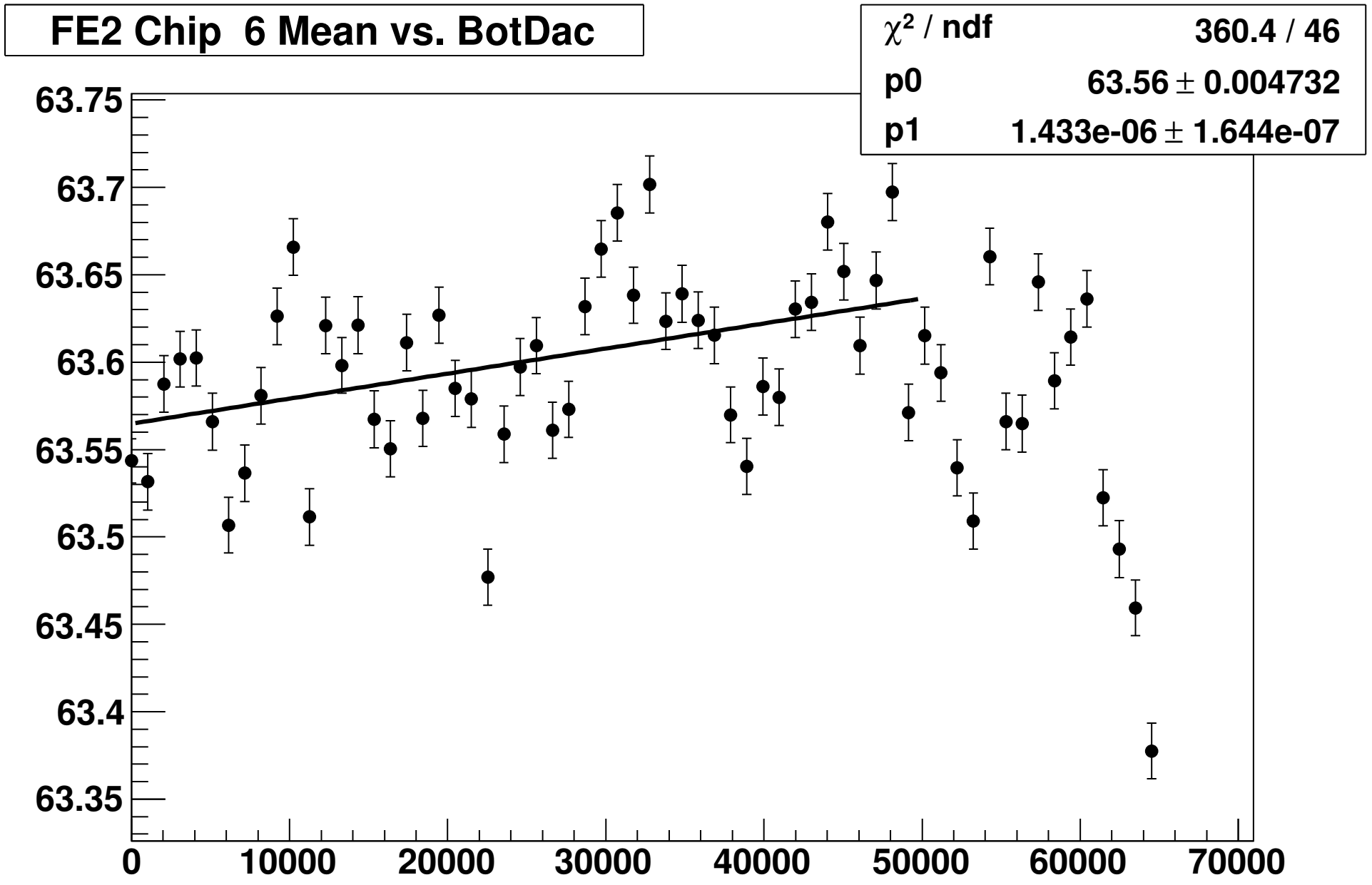
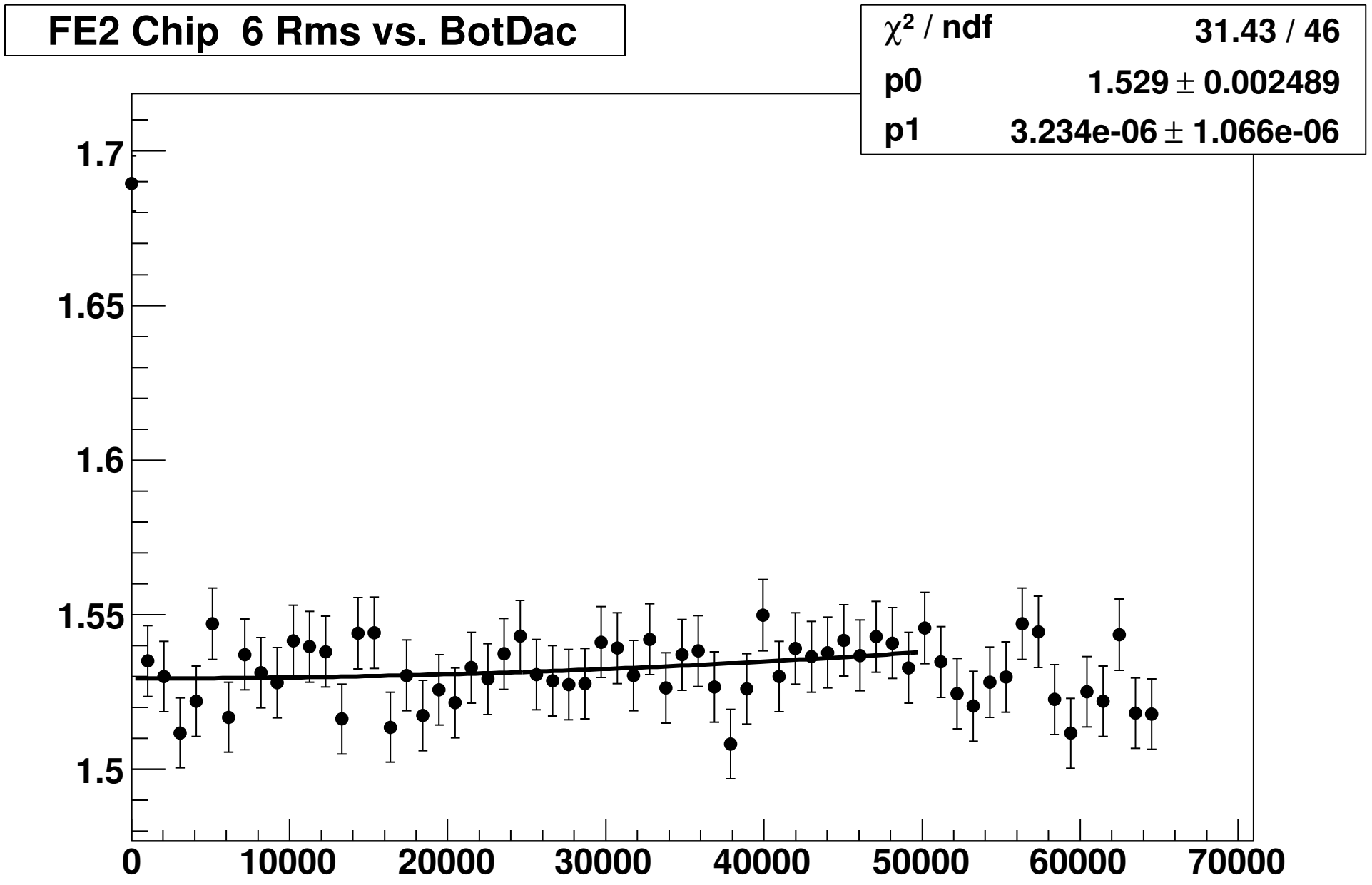
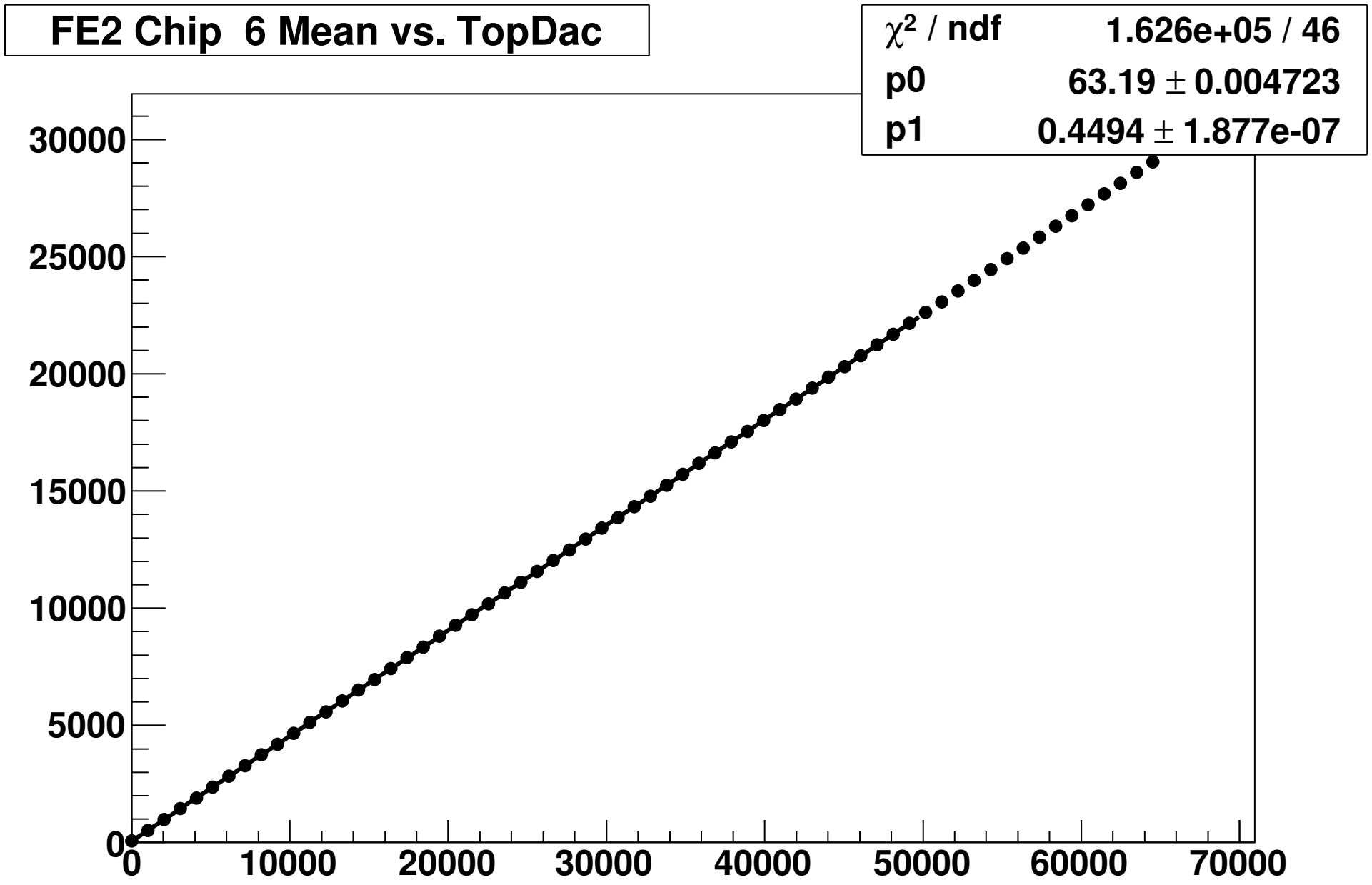
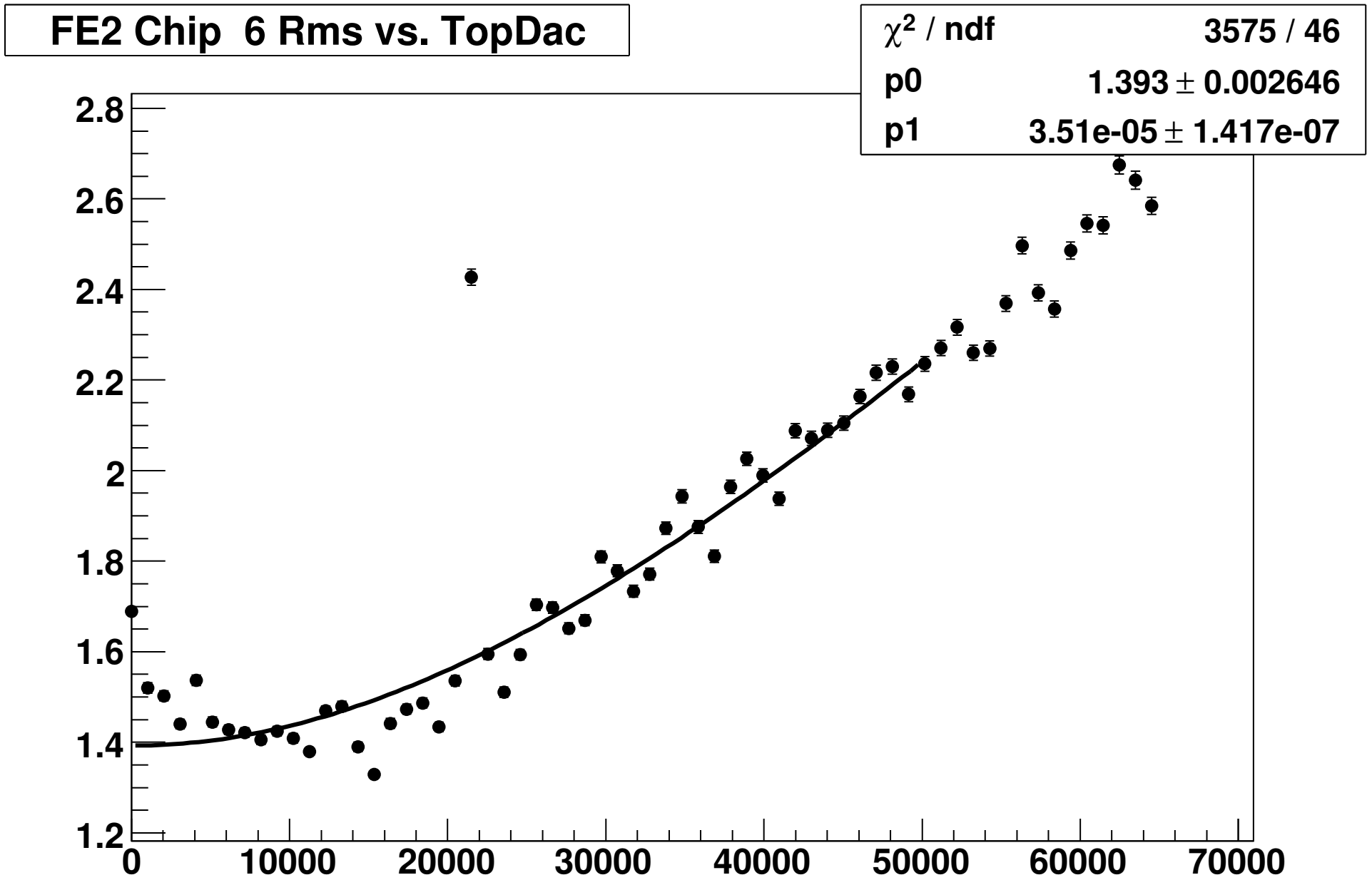
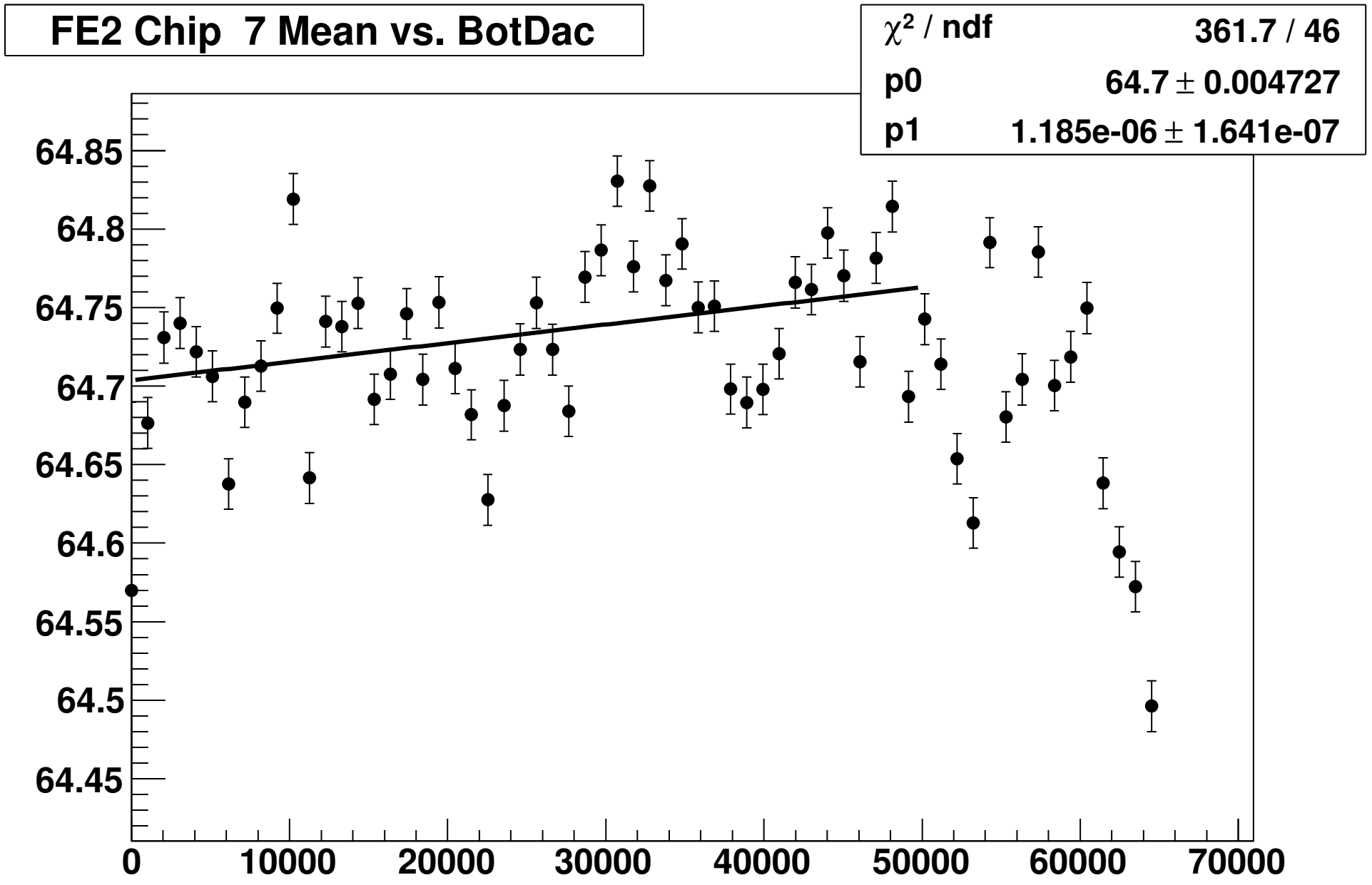

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 360.4 / 46
p0 63.56 ± 0.004732
p1 1.433e-06 ± 1.644e-07
63.75
63.7
63.65
63.6
63.55
63.5
63.45
63.4
63.35
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 31.43 / 46
p0 1.529 ± 0.002489
p1 3.234e-06 ± 1.066e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.626e+05 / 46
p0 63.19 ± 0.004723
p1 0.4494 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 3575 / 46
p0 1.393 ± 0.002646
p1 3.51e-05 ± 1.417e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 361.7 / 46
p0 64.7 ± 0.004727
p1 1.185e-06 ± 1.641e-07
64.85
64.8
64.75
64.7
64.65
64.6
64.55
64.5
64.45
0
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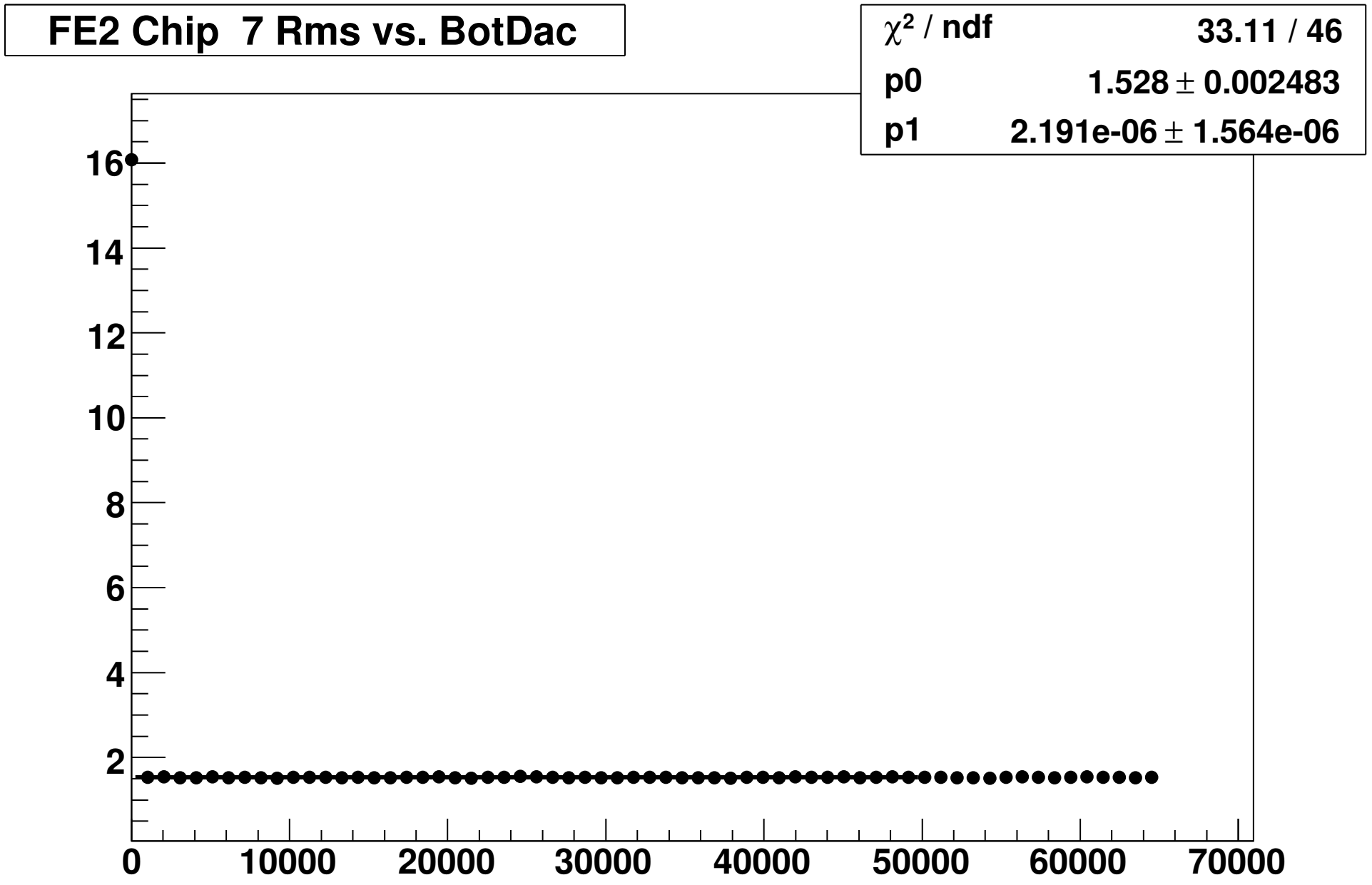
FE2 Chip 7 Rms vs. BotDac
χ² / ndf 33.11 / 46
p0 1.528 ± 0.002483
p1 2.191e-06 ± 1.564e-06
16
14
12
10
8
6
4
2
0
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20000
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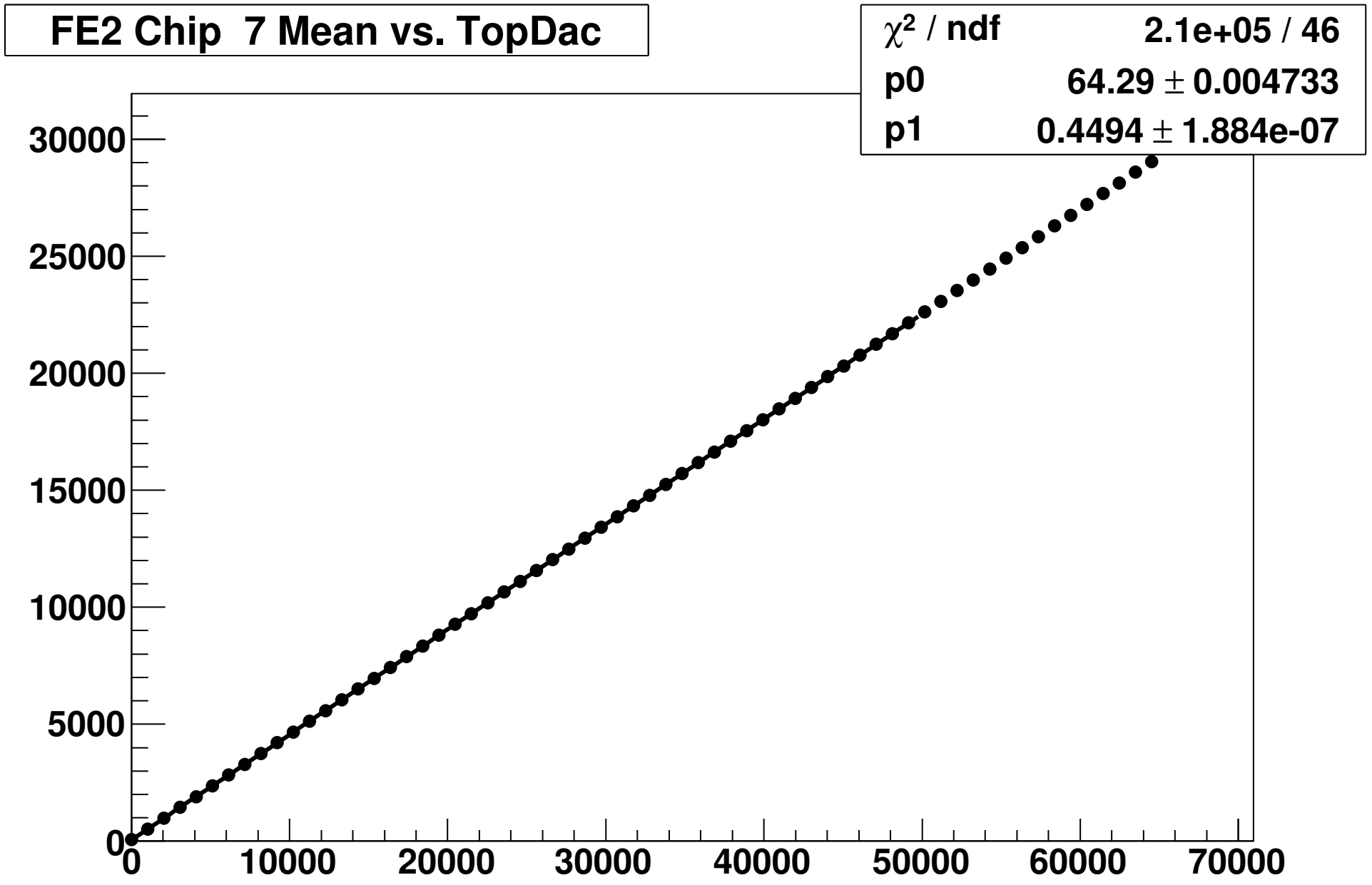
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 2.1e+05 / 46
p0 64.29 ± 0.004733
p1 0.4494 ± 1.884e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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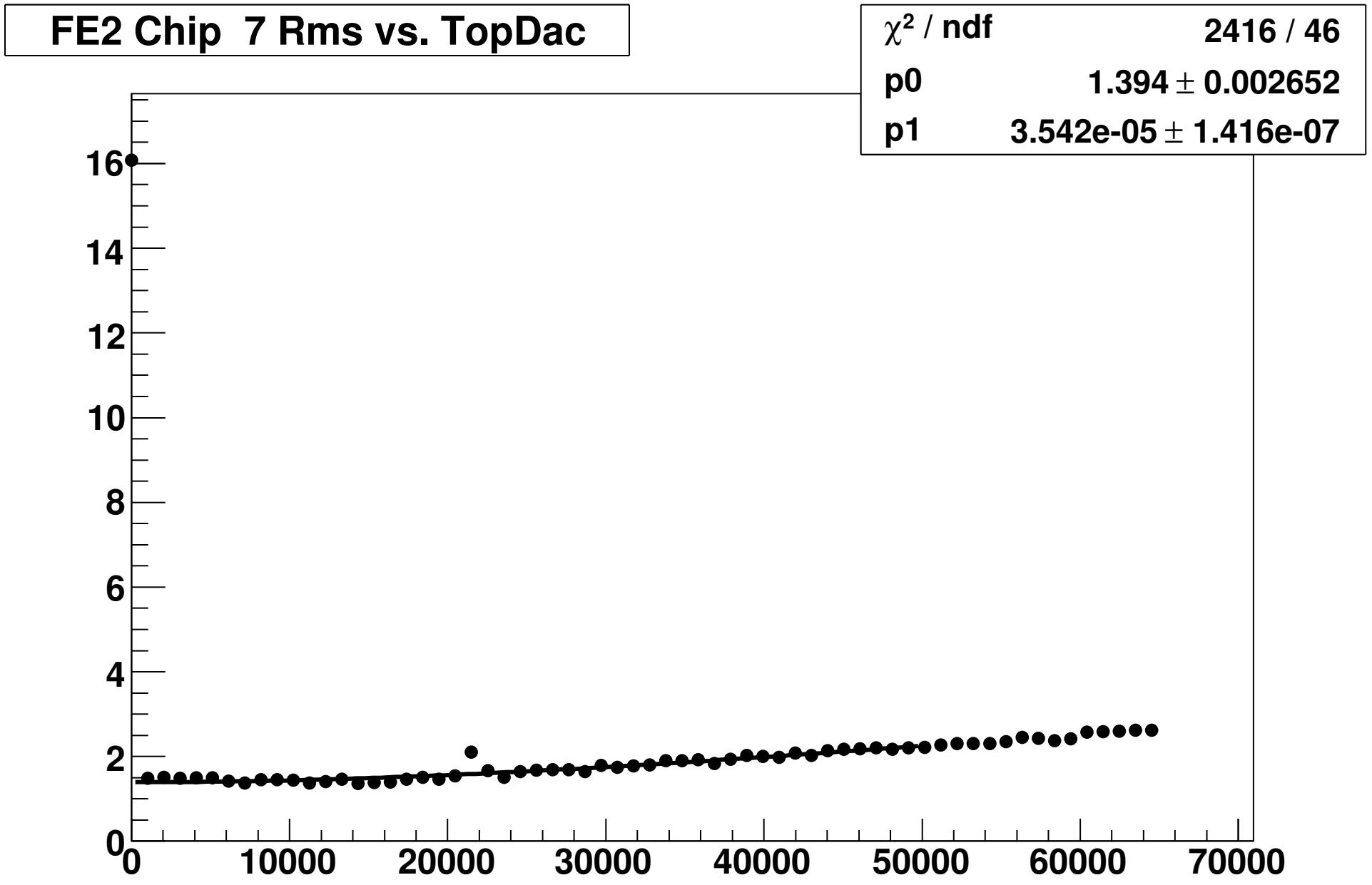
FE2 Chip 7 Rms vs. TopDac
χ² / ndf 2416 / 46
p0 1.394 ± 0.002652
p1 3.542e-05 ± 1.416e-07
0
2
4
6
8
10
12
14
16
0
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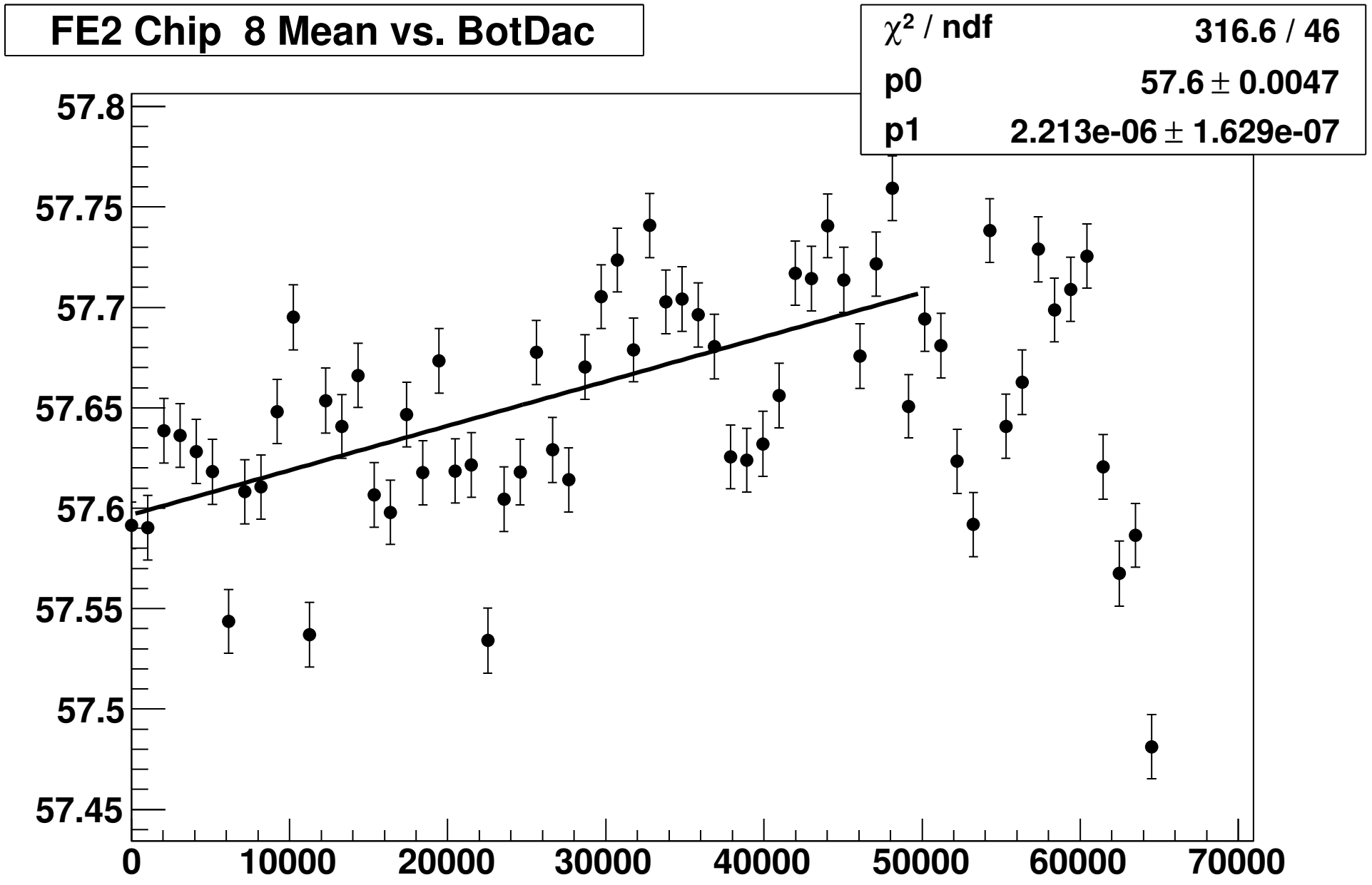
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 316.6 / 46
p0 57.6 ± 0.0047
p1 2.213e-06 ± 1.629e-07
57.8
57.75
57.7
57.65
57.6
57.55
57.5
57.45
0
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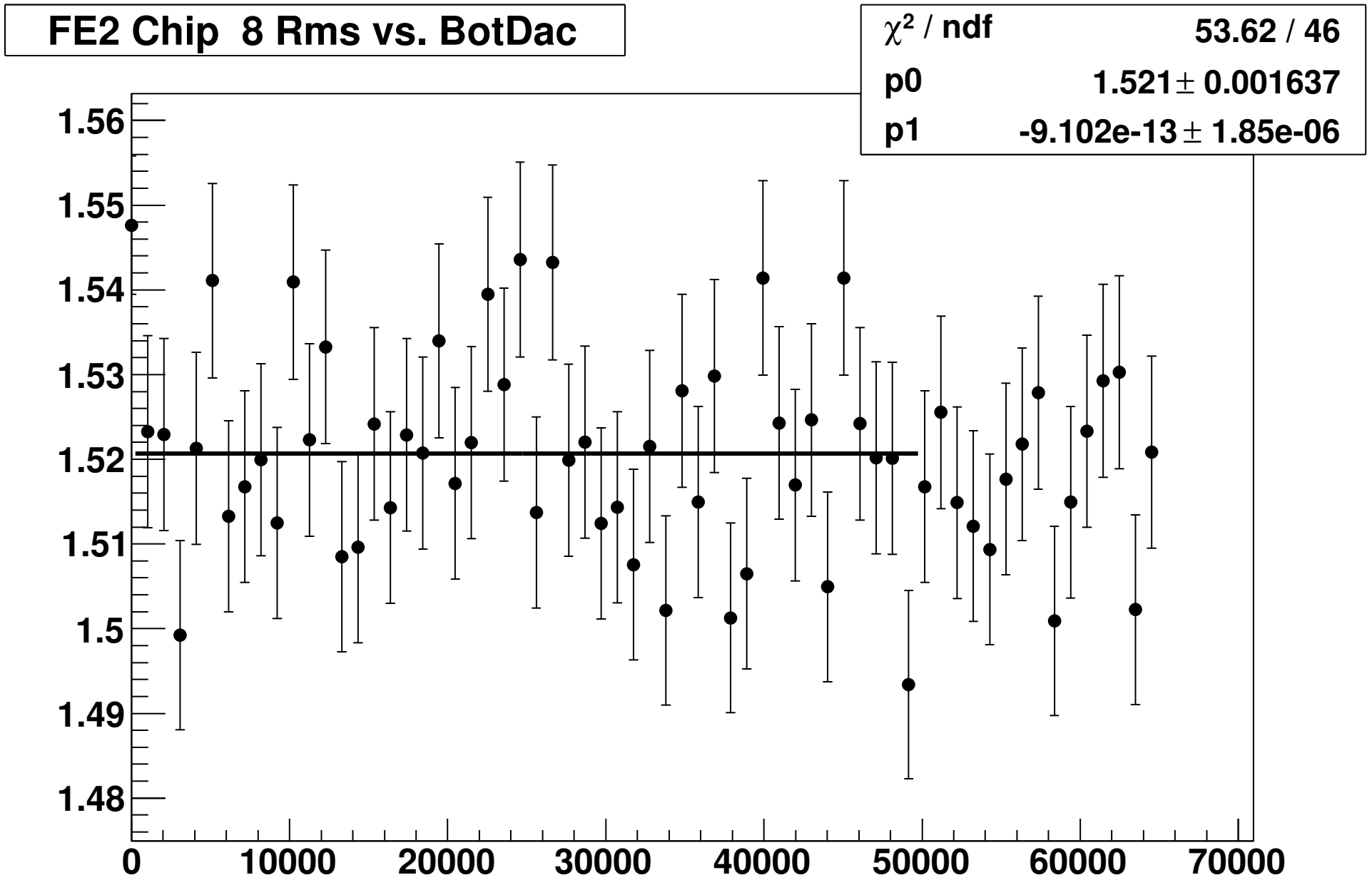
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 53.62 / 46
p0 1.521 ± 0.001637
p1 -9.102e-13 ± 1.85e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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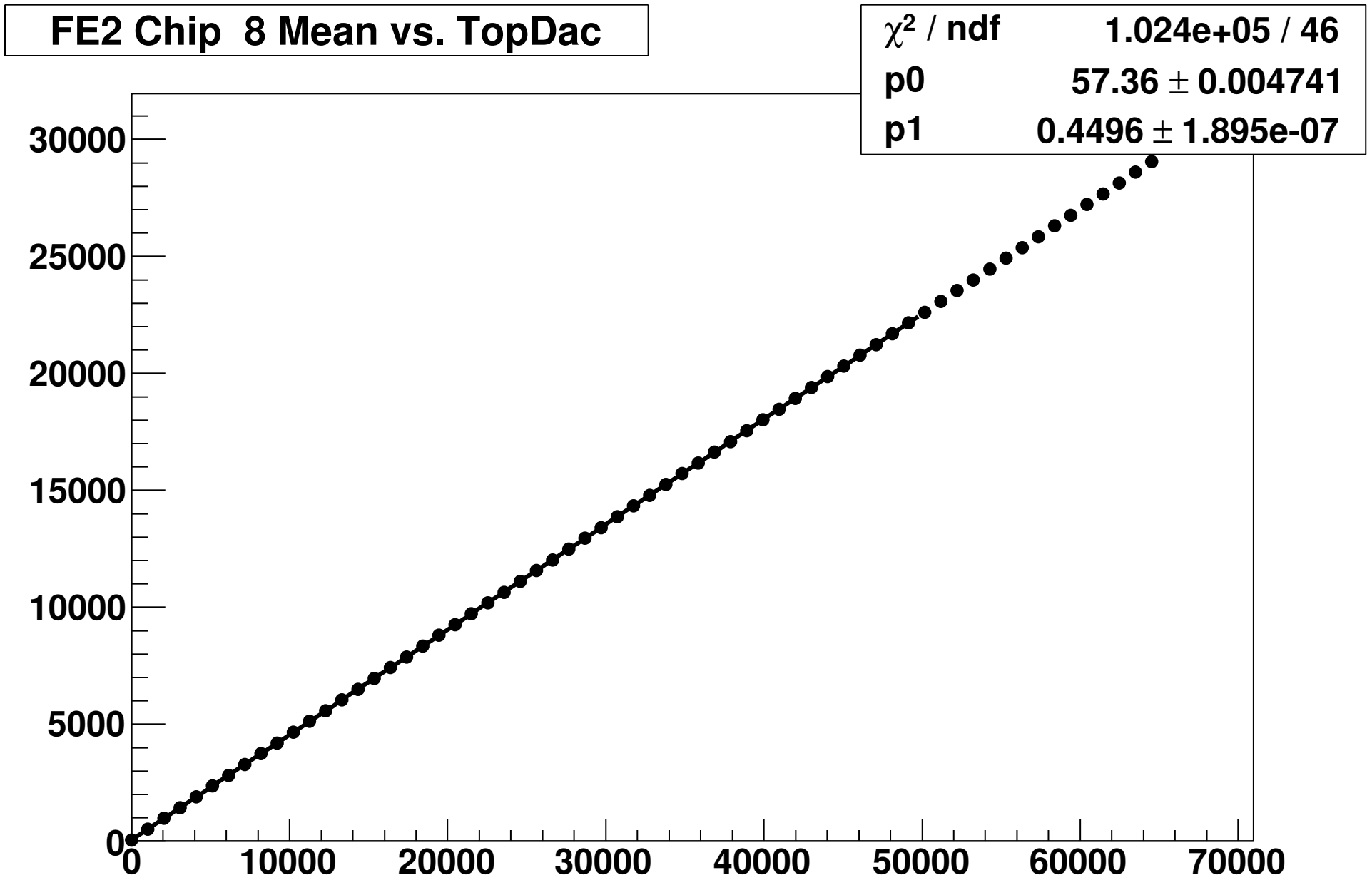
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.024e+05 / 46
p0 57.36 ± 0.004741
p1 0.4496 ± 1.895e-07
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25000
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15000
10000
5000
0
0
10000
20000
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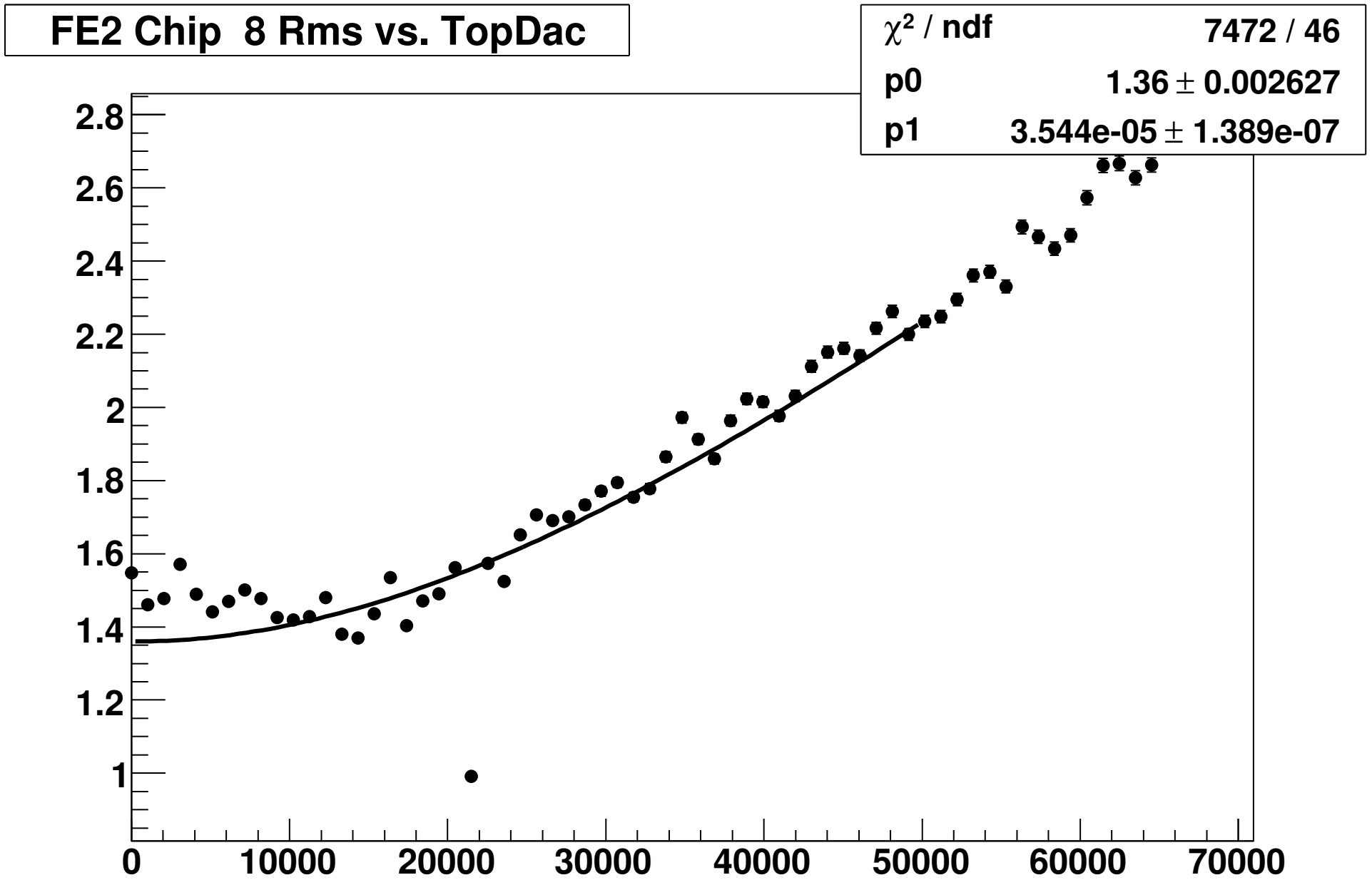
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 7472 / 46
p0 1.36 ± 0.002627
p1 3.544e-05 ± 1.389e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
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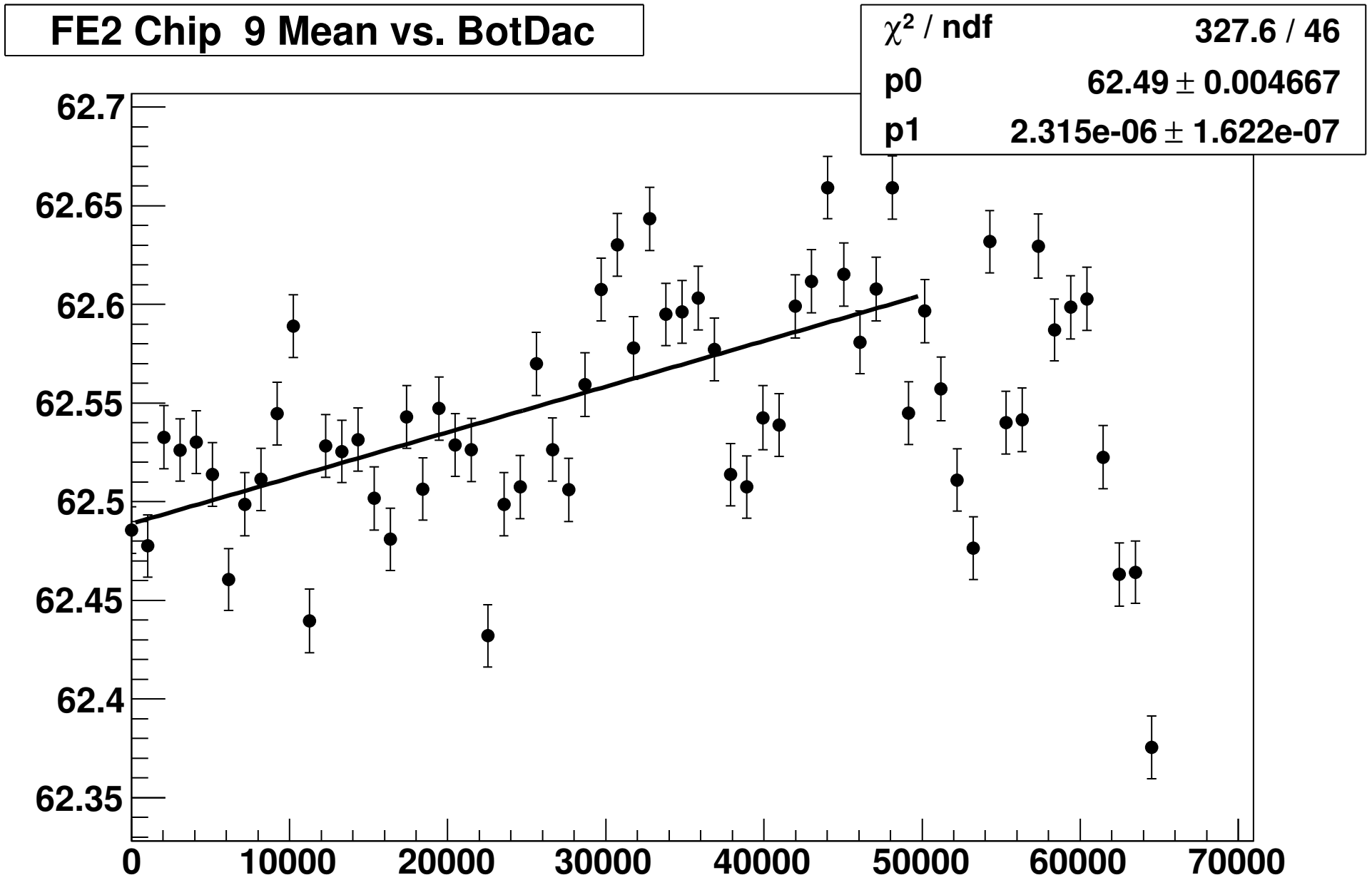
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 327.6 / 46
p0 62.49 ± 0.004667
p1 2.315e-06 ± 1.622e-07
62.7
62.65
62.6
62.55
62.5
62.45
62.4
62.35
0
10000
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50000
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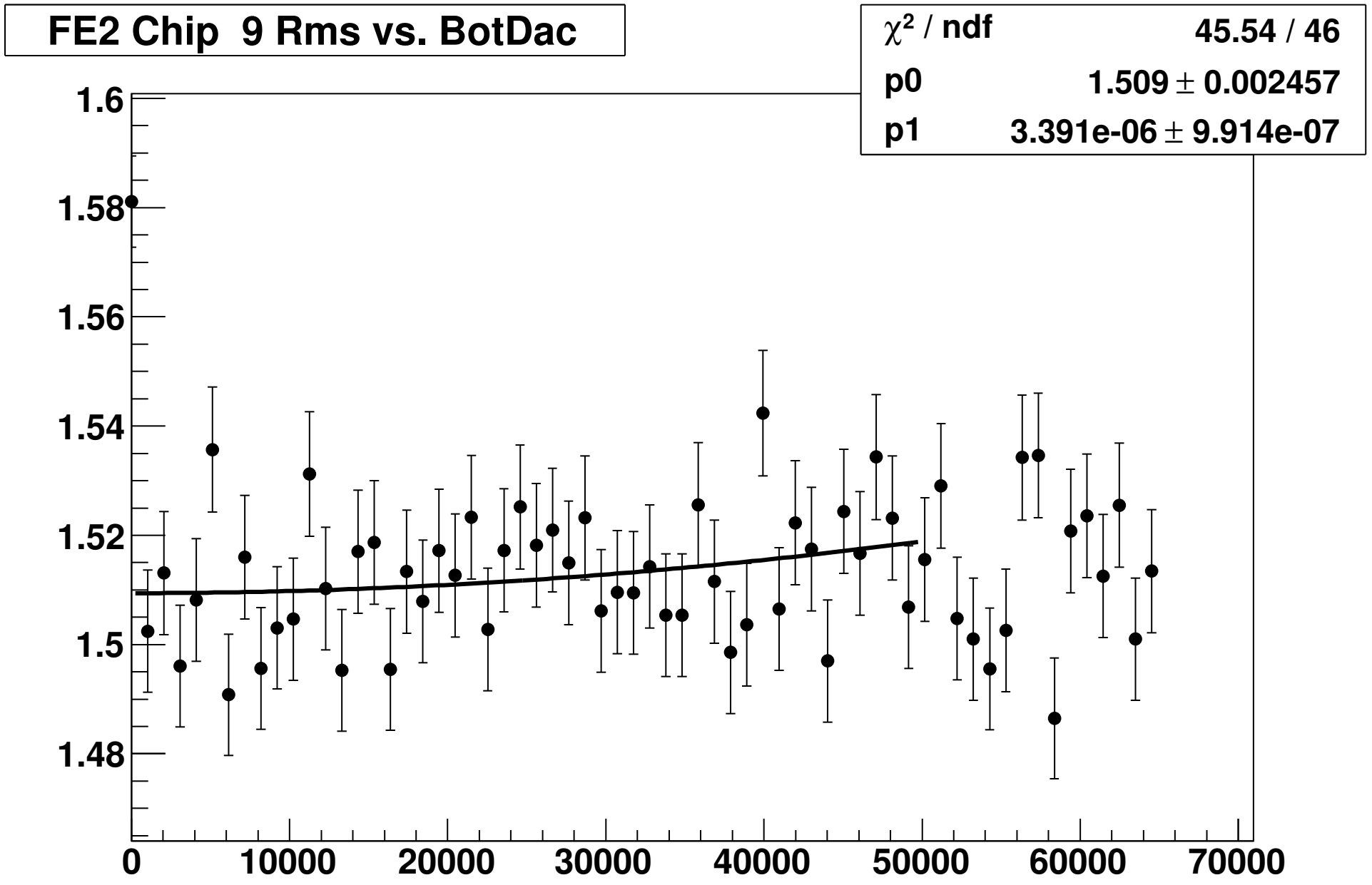
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 45.54 / 46
p0 1.509 ± 0.002457
p1 3.391e-06 ± 9.914e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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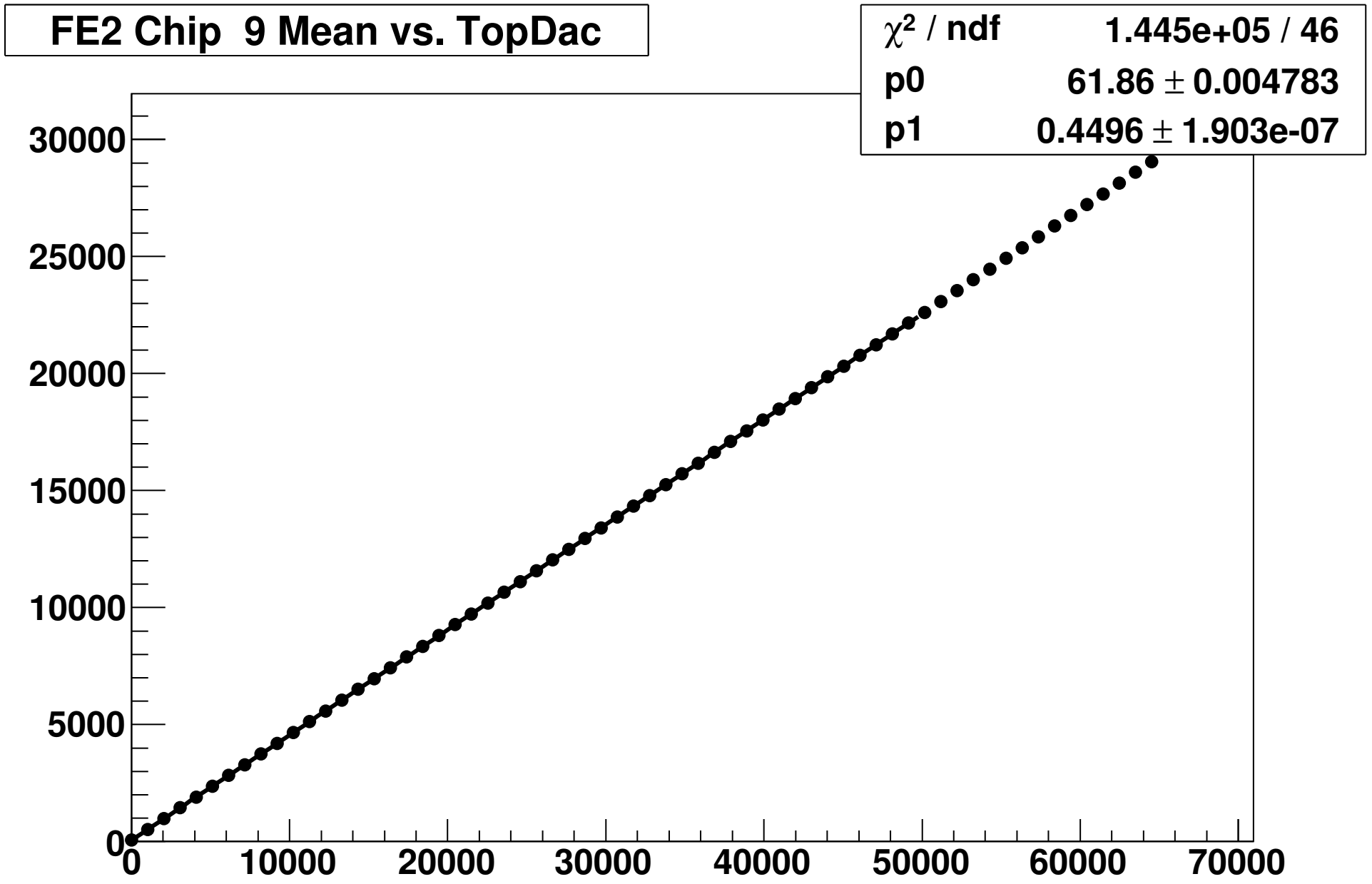
50000
60000
70000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.445e+05 / 46
p0 61.86 ± 0.004783
p1 0.4496 ± 1.903e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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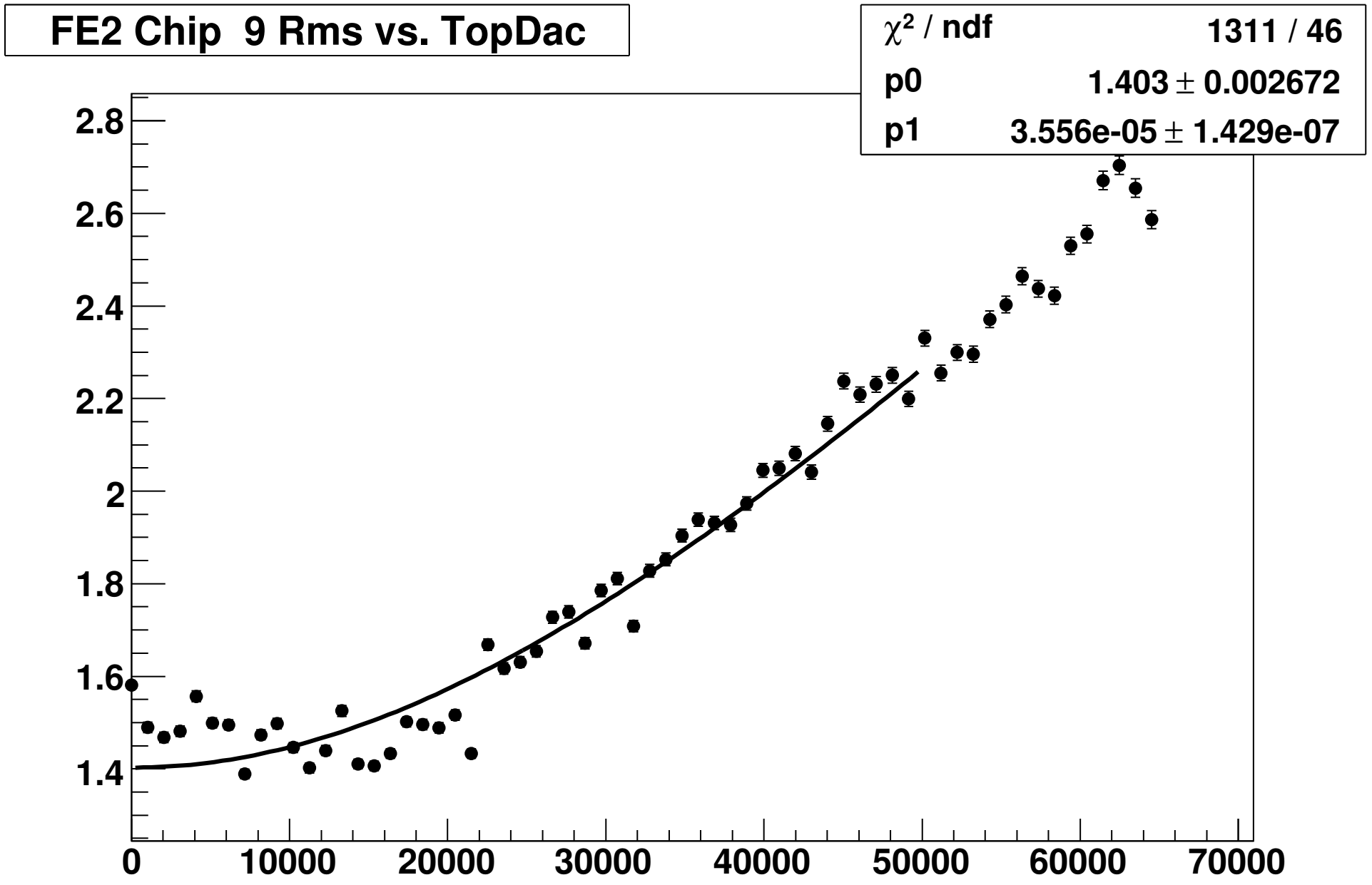
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1311 / 46
p0 1.403 ± 0.002672
p1 3.556e-05 ± 1.429e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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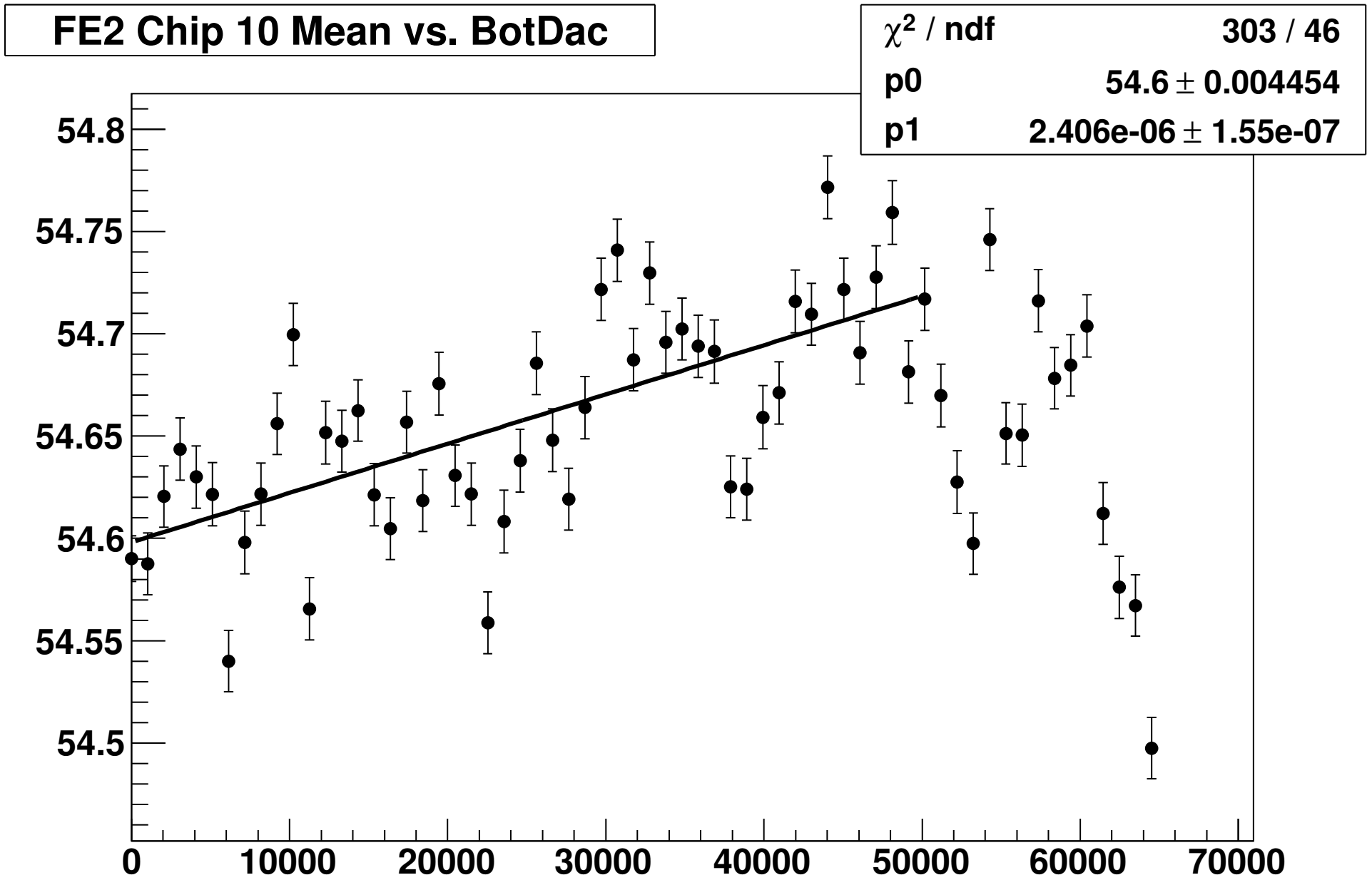
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 303 / 46
p0 54.6 ± 0.004454
p1 2.406e-06 ± 1.55e-07
54.8
54.75
54.7
54.65
54.6
54.55
54.5
0
10000
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30000
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50000
60000
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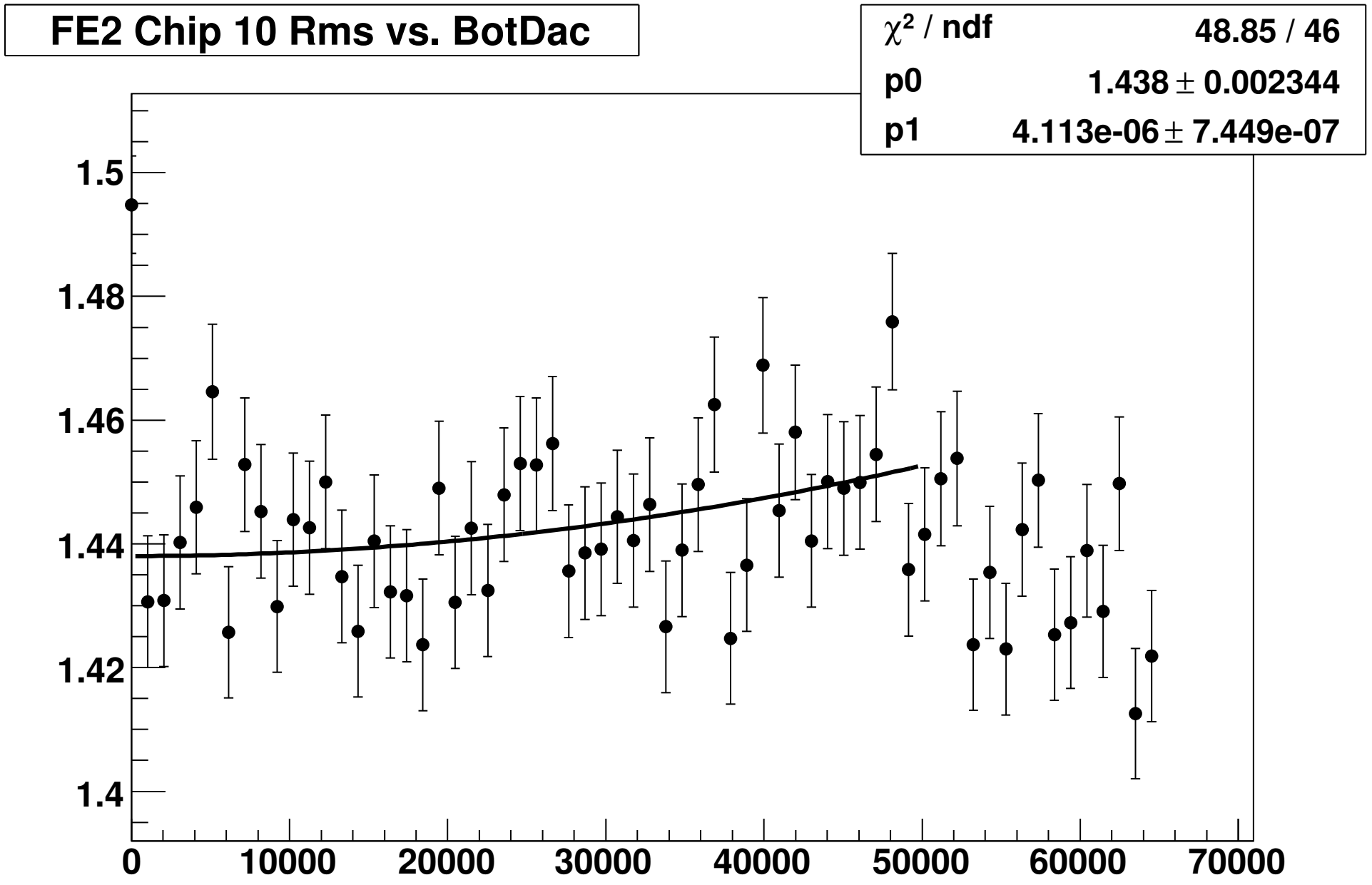
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 48.85 / 46
p0 1.438 ± 0.002344
p1 4.113e-06 ± 7.449e-07
1.5
1.48
1.46
1.44
1.42
1.4
0
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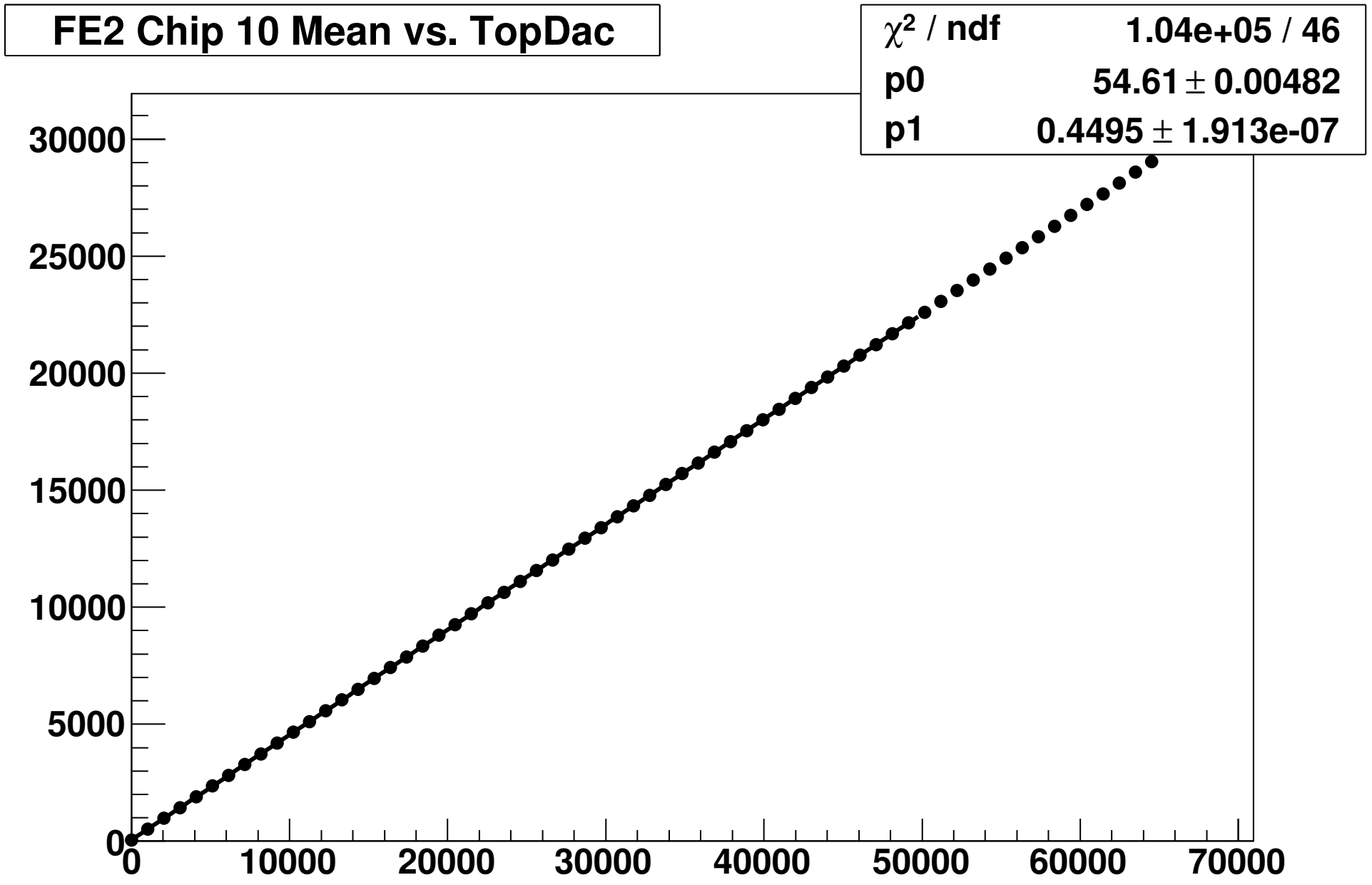
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.04e+05 / 46
p0 54.61 ± 0.00482
p1 0.4495 ± 1.913e-07
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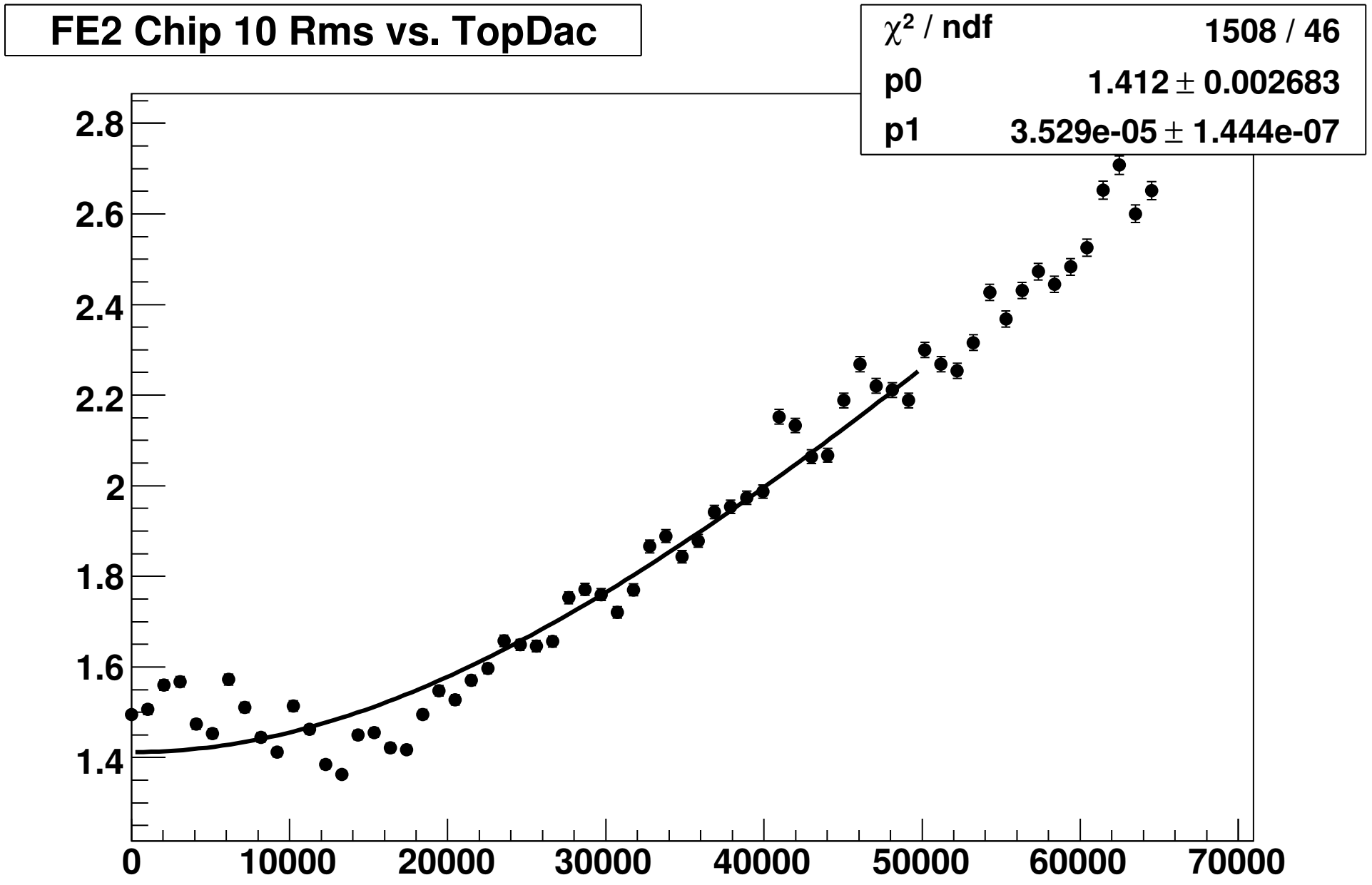
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1508 / 46
p0 1.412 ± 0.002683
p1 3.529e-05 ± 1.444e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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50000
60000
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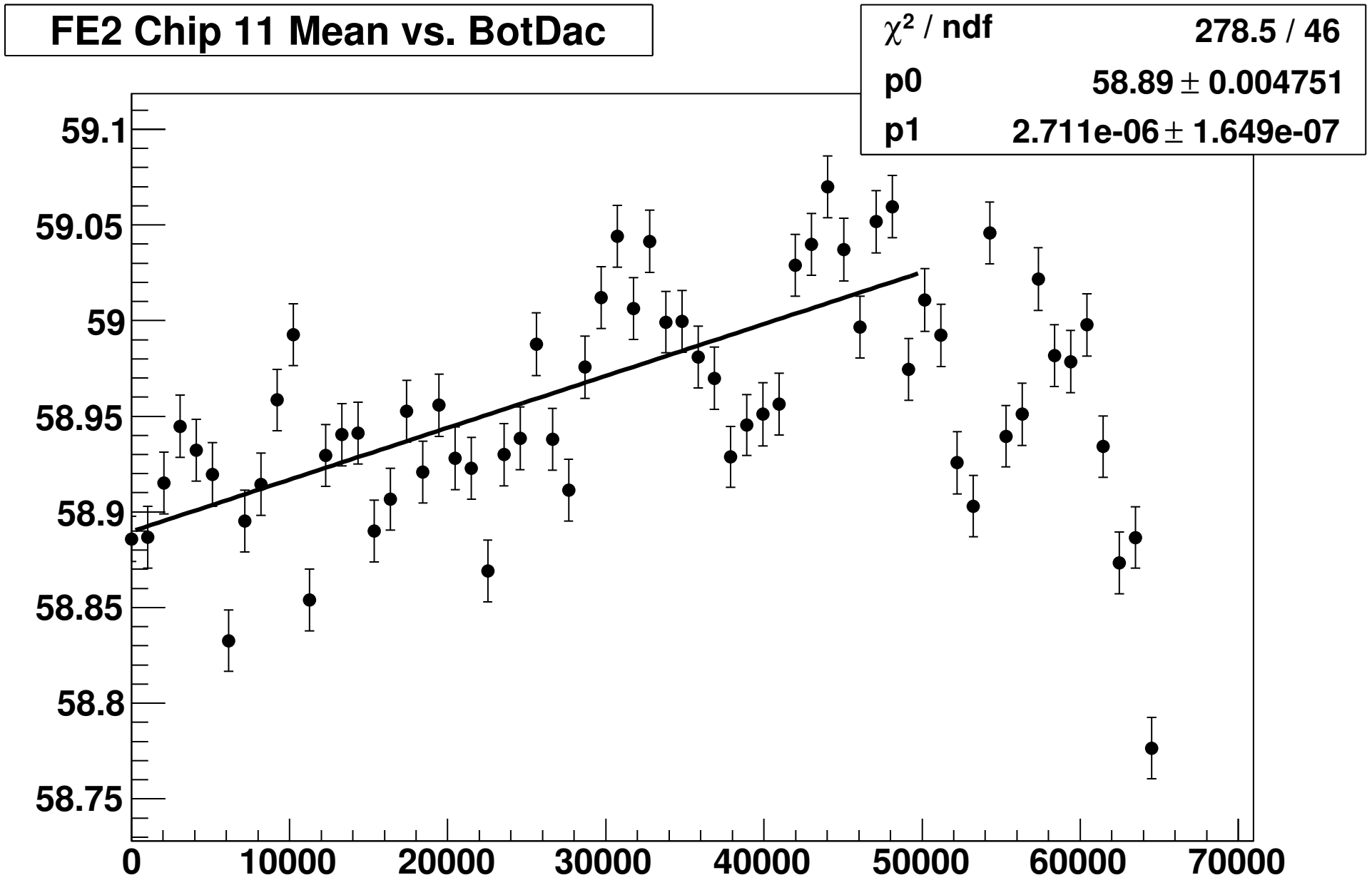
FE2 Chip 11 Mean vs. BotDac
χ² / ndf 278.5 / 46
p0 58.89 ± 0.004751
p1 2.711e-06 ± 1.649e-07
59.1
59.05
59
58.95
58.9
58.85
58.8
58.75
0
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30000
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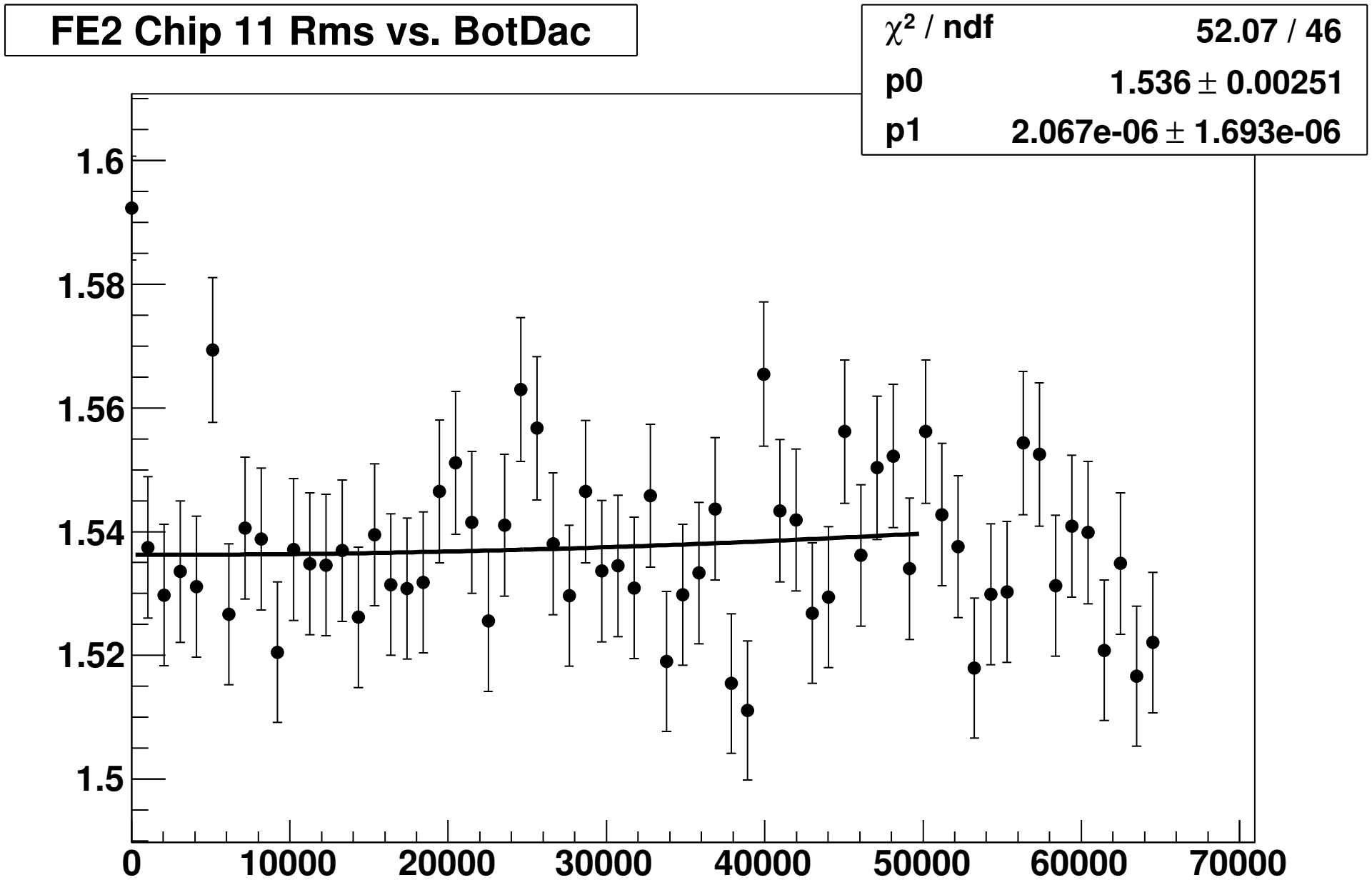
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 52.07 / 46
p0 1.536 ± 0.00251
p1 2.067e-06 ± 1.693e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
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20000
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60000
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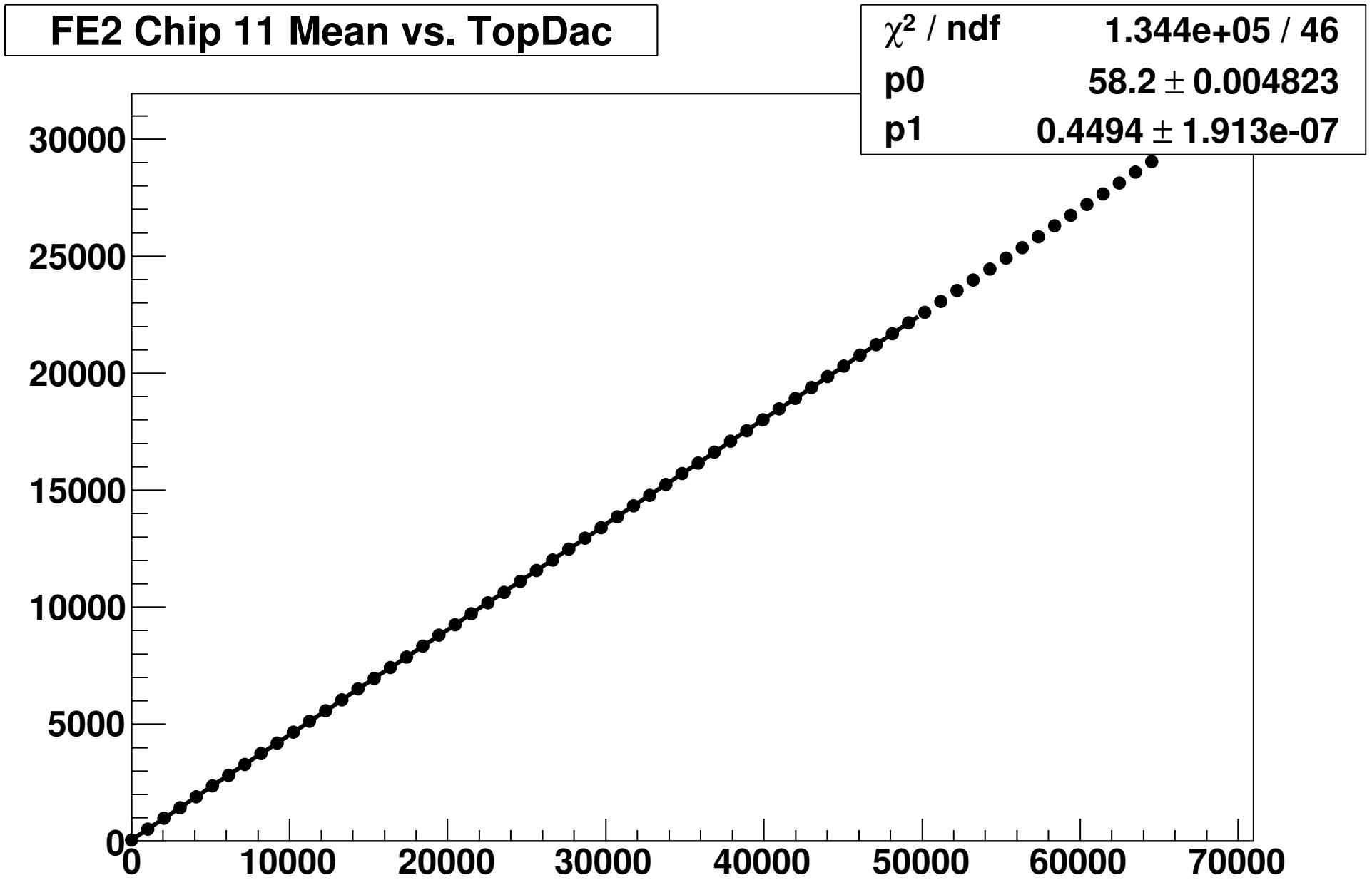
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.344e+05 / 46
p0 58.2 ± 0.004823
p1 0.4494 ± 1.913e-07
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25000
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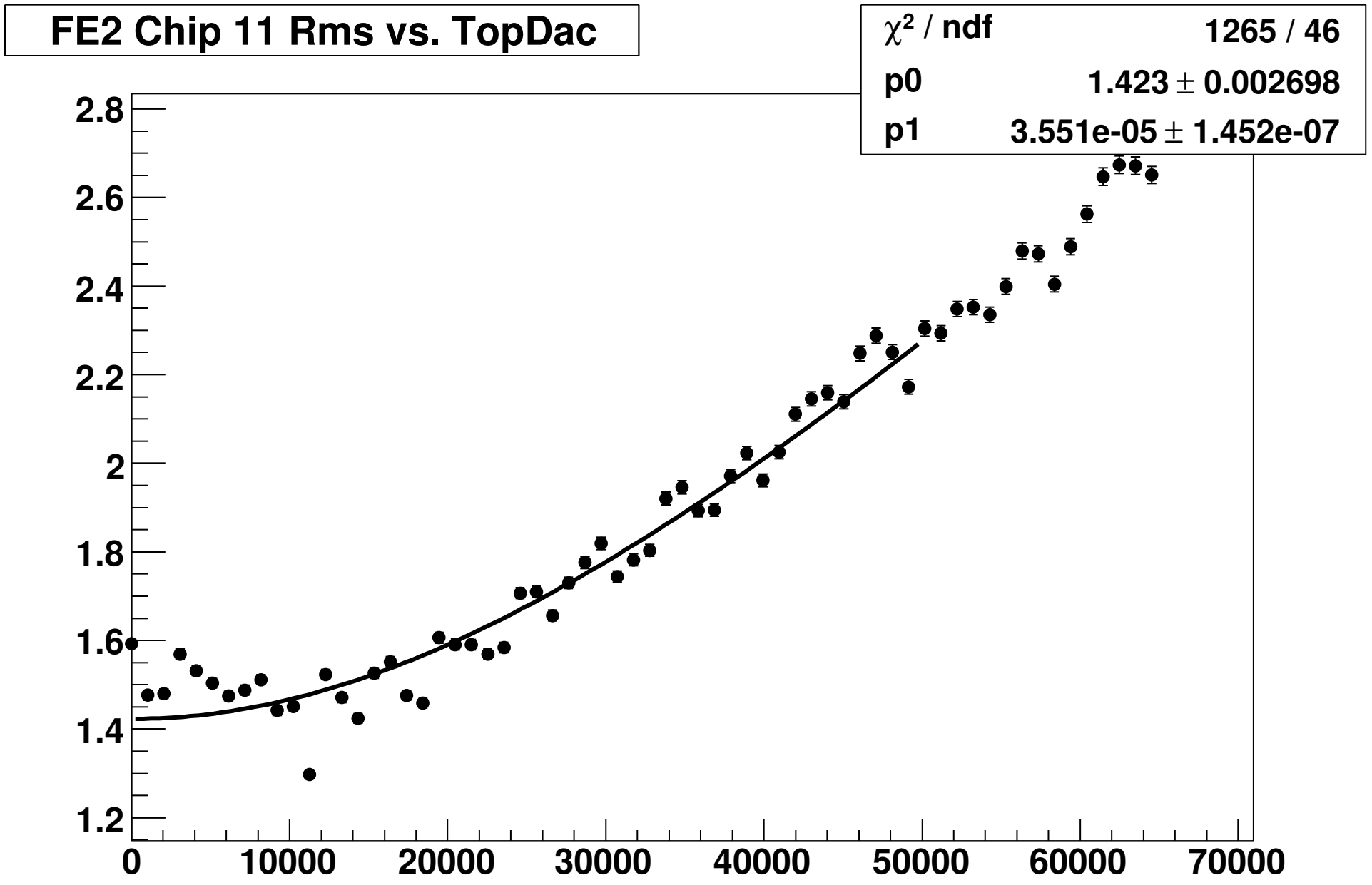
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1265 / 46
p0 1.423 ± 0.002698
p1 3.551e-05 ± 1.452e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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60000
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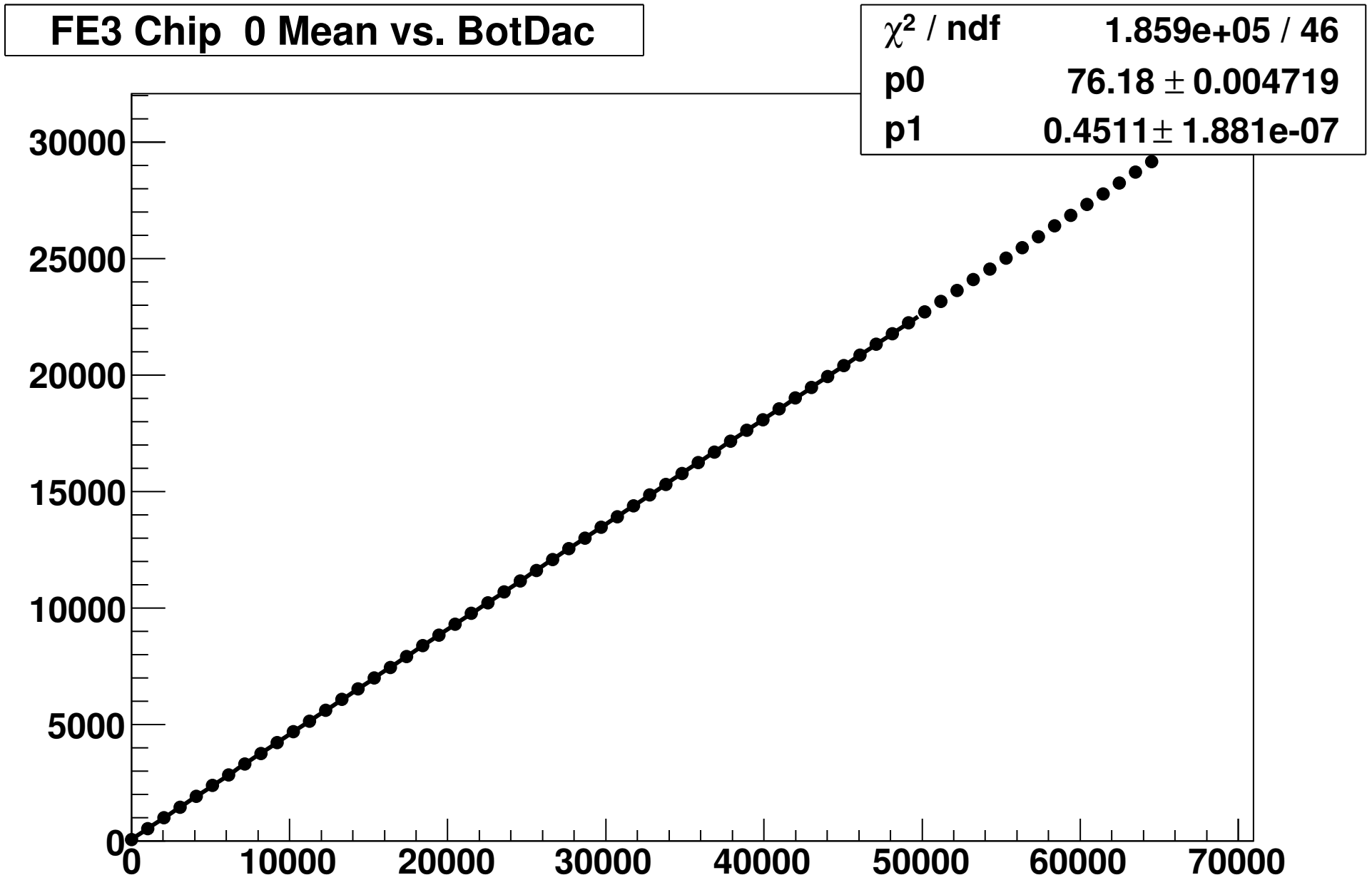
FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.859e+05 / 46
p0 76.18 ± 0.004719
p1 0.4511 ± 1.881e-07
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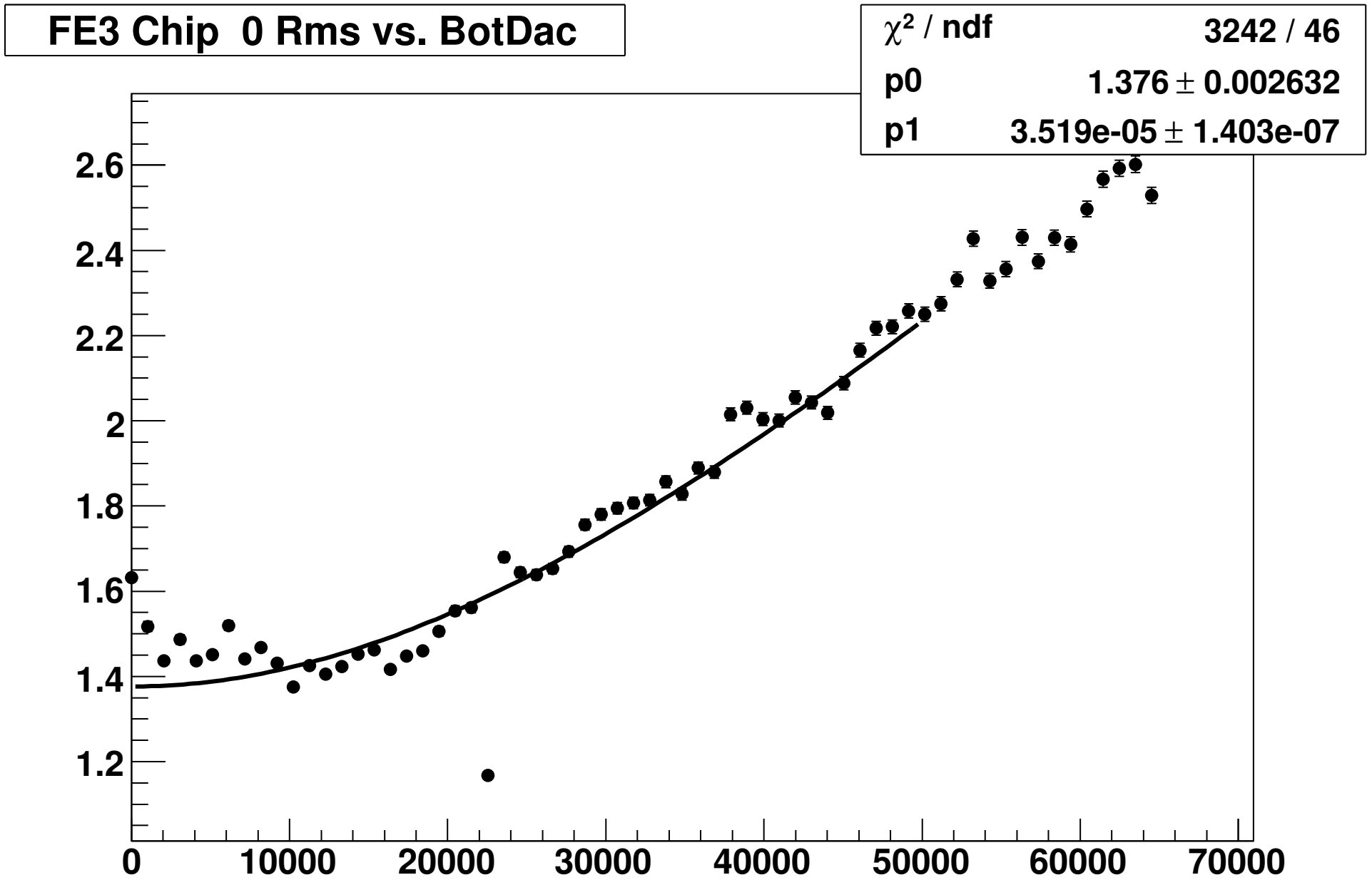
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 3242 / 46
p0 1.376 ± 0.002632
p1 3.519e-05 ± 1.403e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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60000
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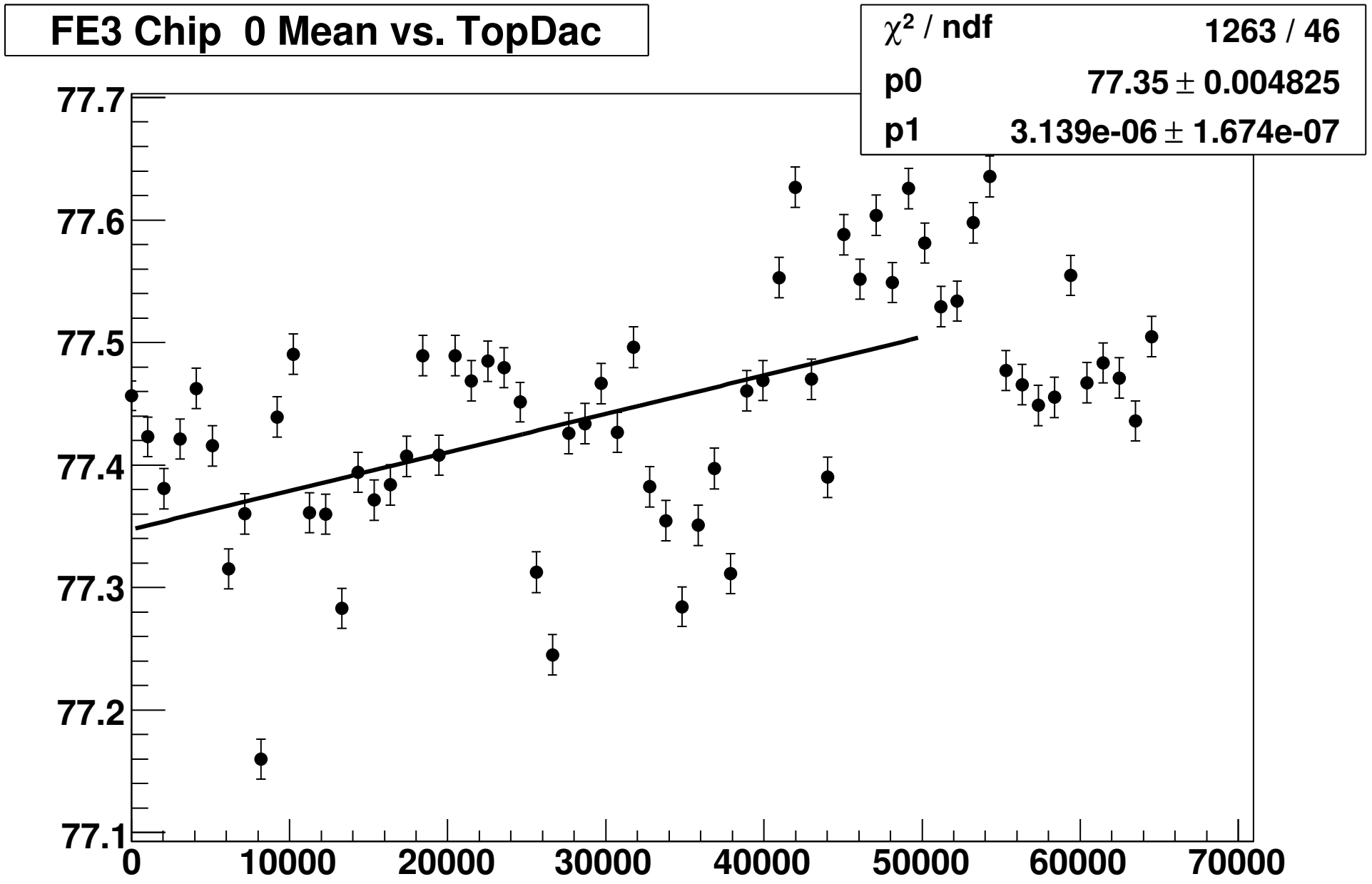
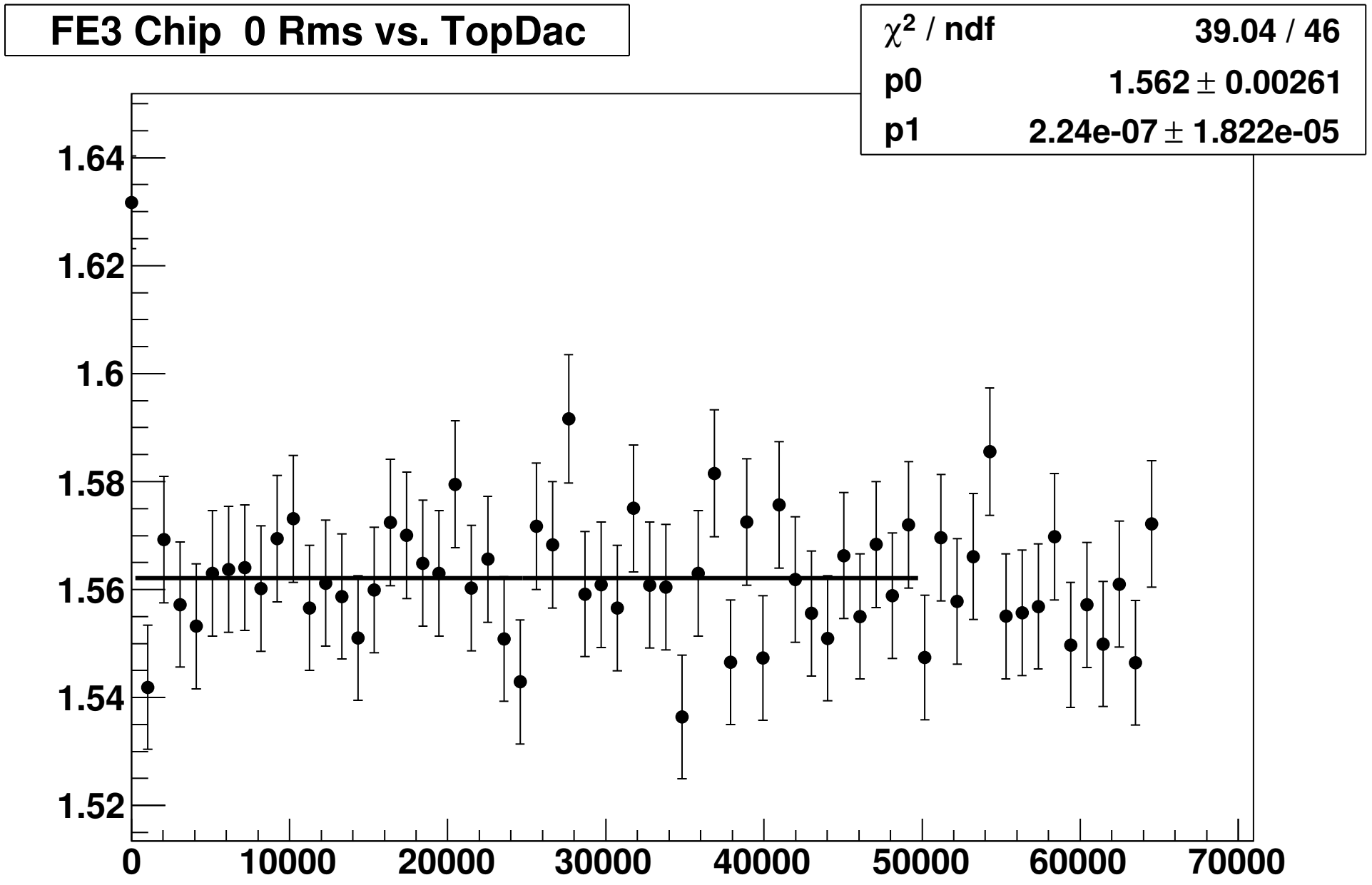
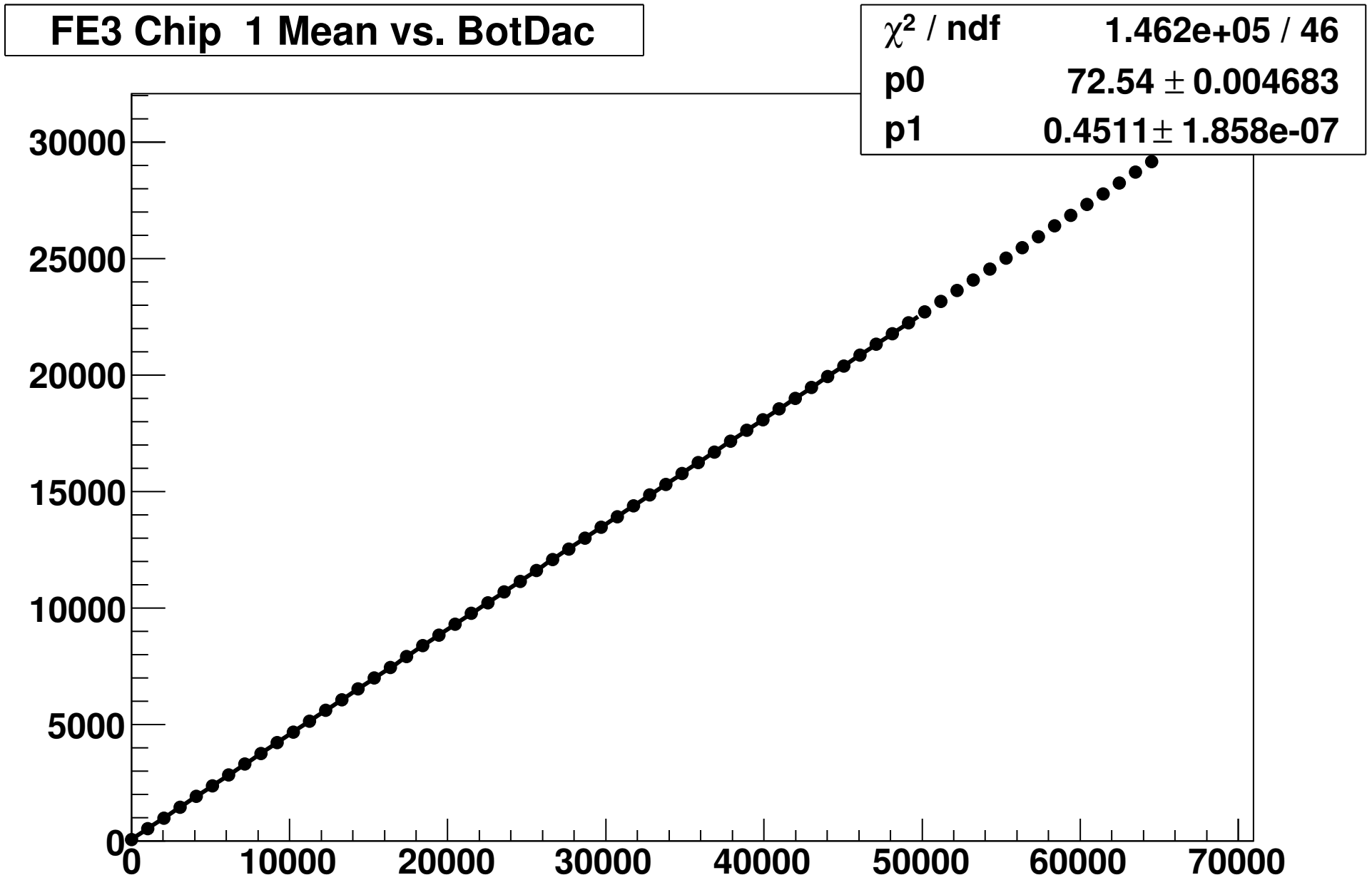

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1263 / 46
p0 77.35 ± 0.004825
p1 3.139e-06 ± 1.674e-07
77.7
77.6
77.5
77.4
77.3
77.2
77.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 39.04 / 46
p0 1.562 ± 0.00261
p1 2.24e-07 ± 1.822e-05
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.462e+05 / 46
p0 72.54 ± 0.004683
p1 0.4511 ± 1.858e-07
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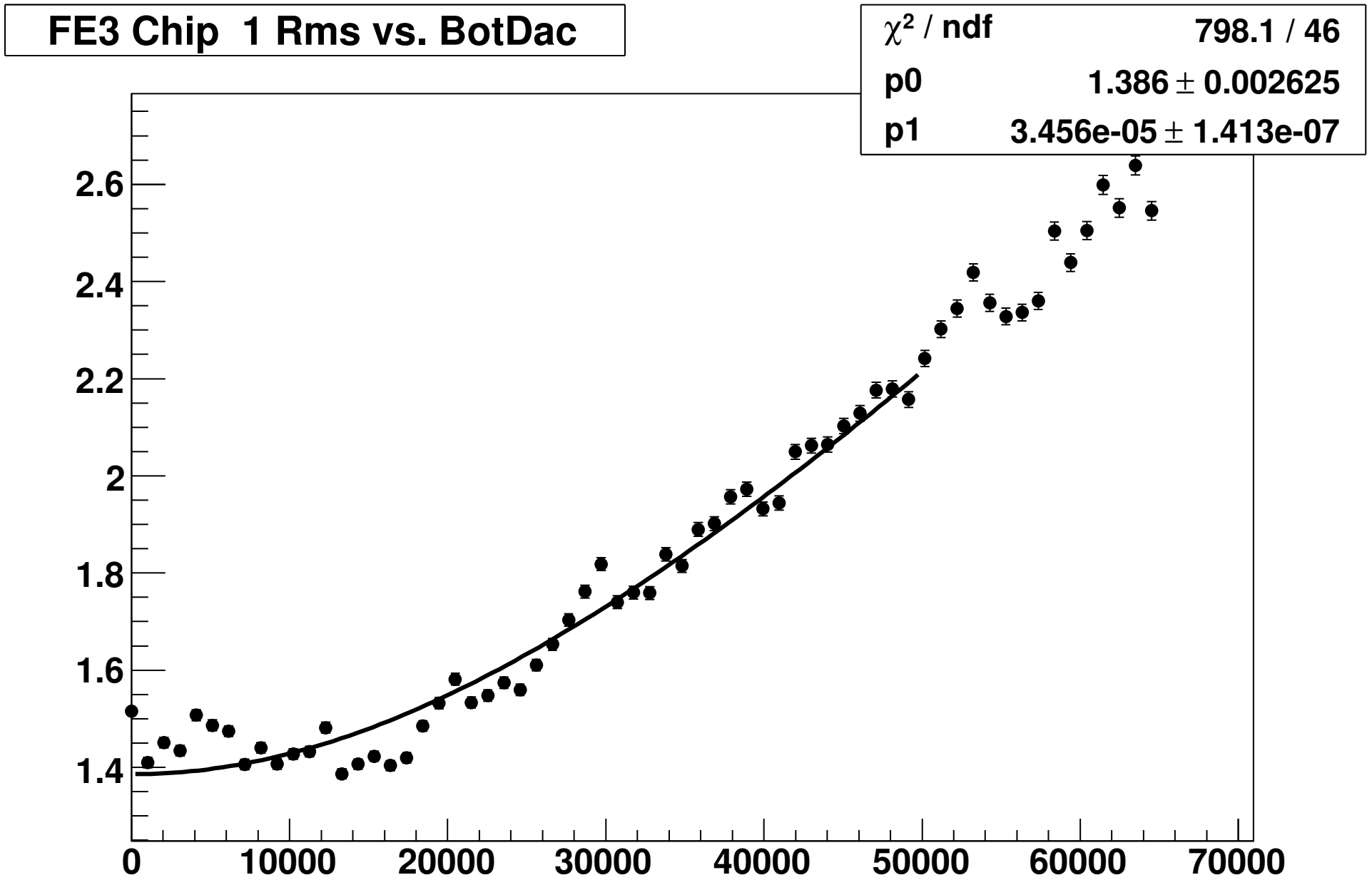
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 798.1 / 46
p0 1.386 ± 0.002625
p1 3.456e-05 ± 1.413e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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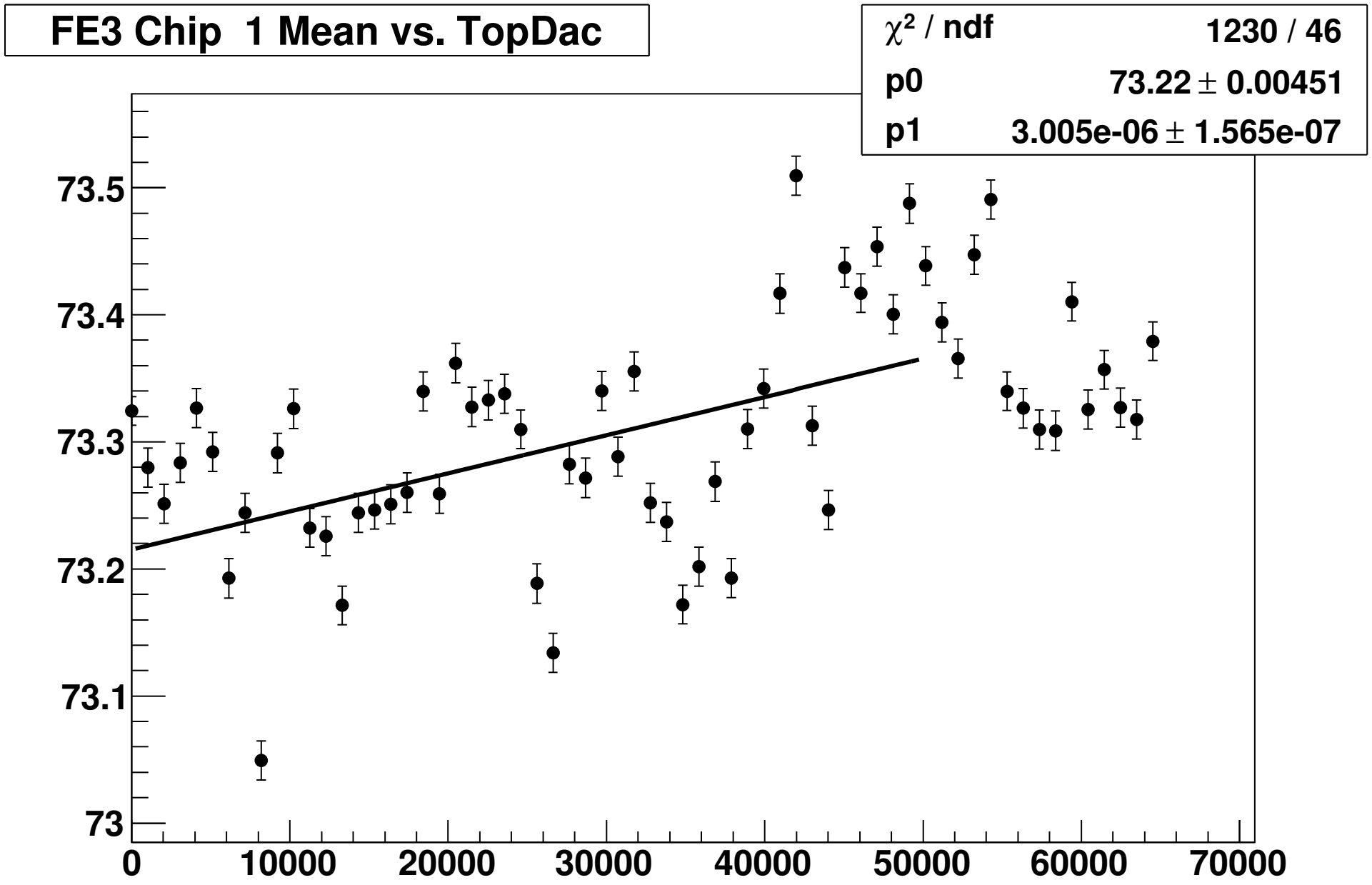
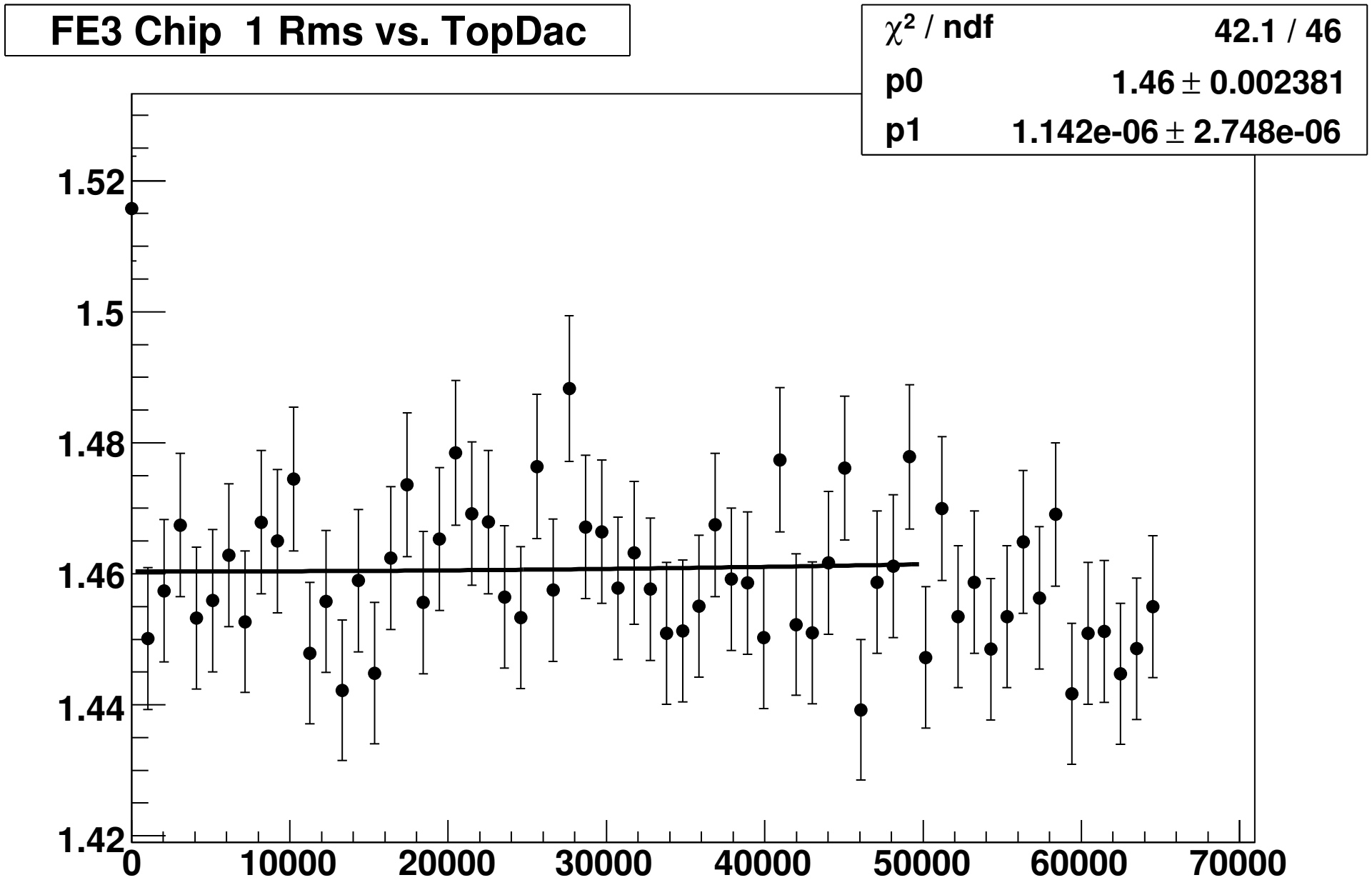
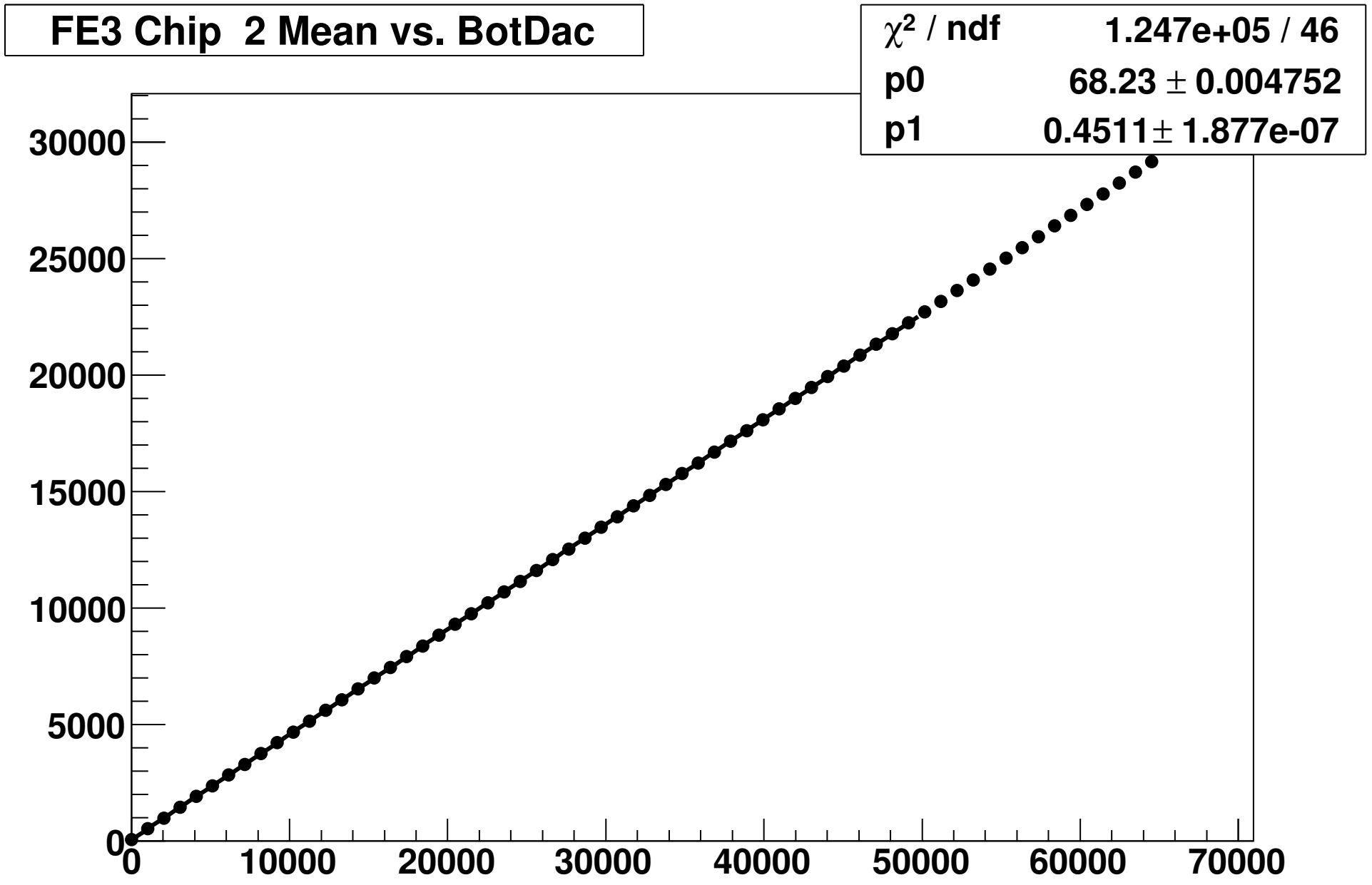
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1230 / 46
p0 73.22 ± 0.00451
p1 3.005e-06 ± 1.565e-07
73.5
73.4
73.3
73.2
73.1
73
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 42.1 / 46
p0 1.46 ± 0.002381
p1 1.142e-06 ± 2.748e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.247e+05 / 46
p0 68.23 ± 0.004752
p1 0.4511 ± 1.877e-07
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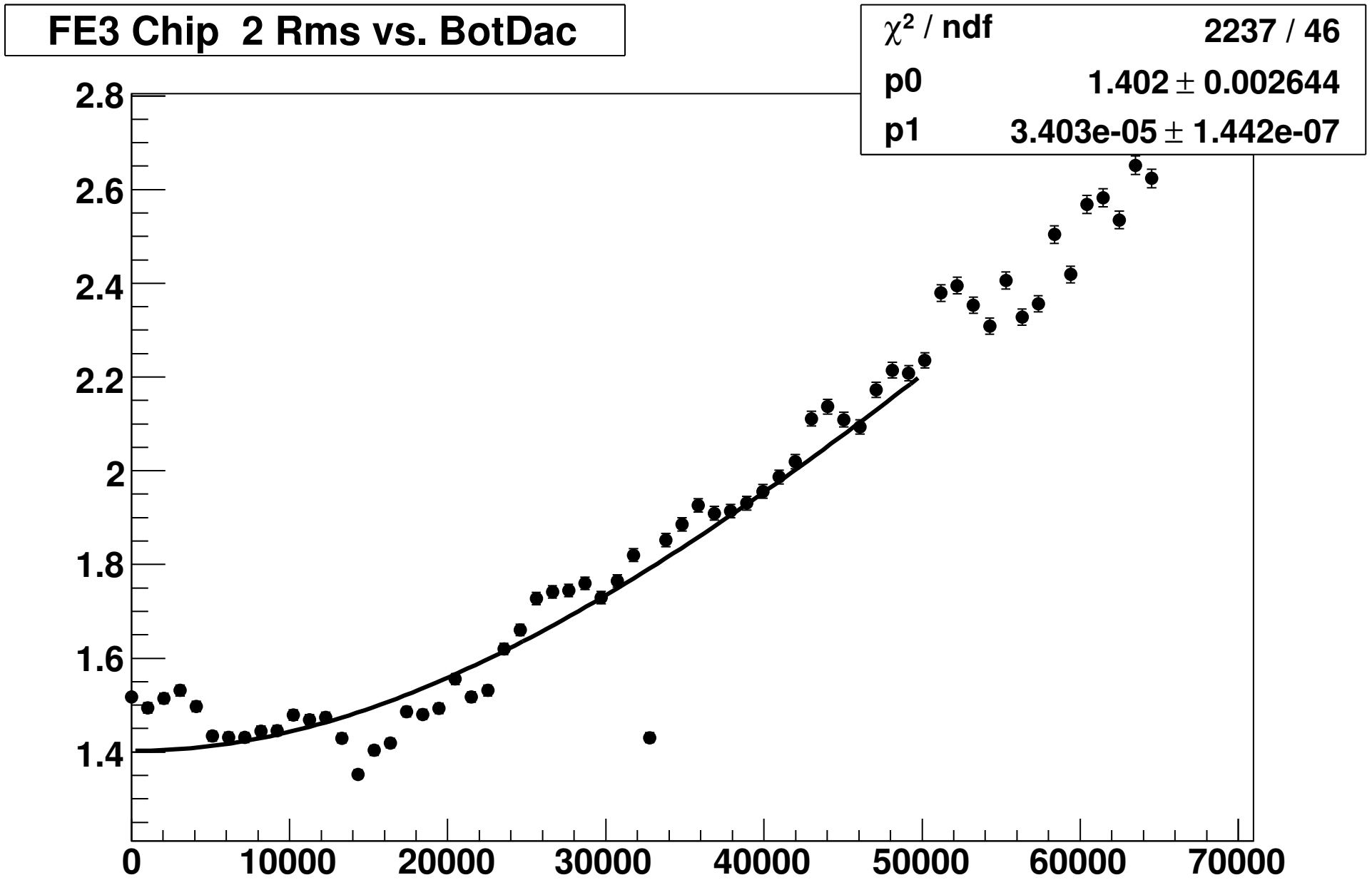
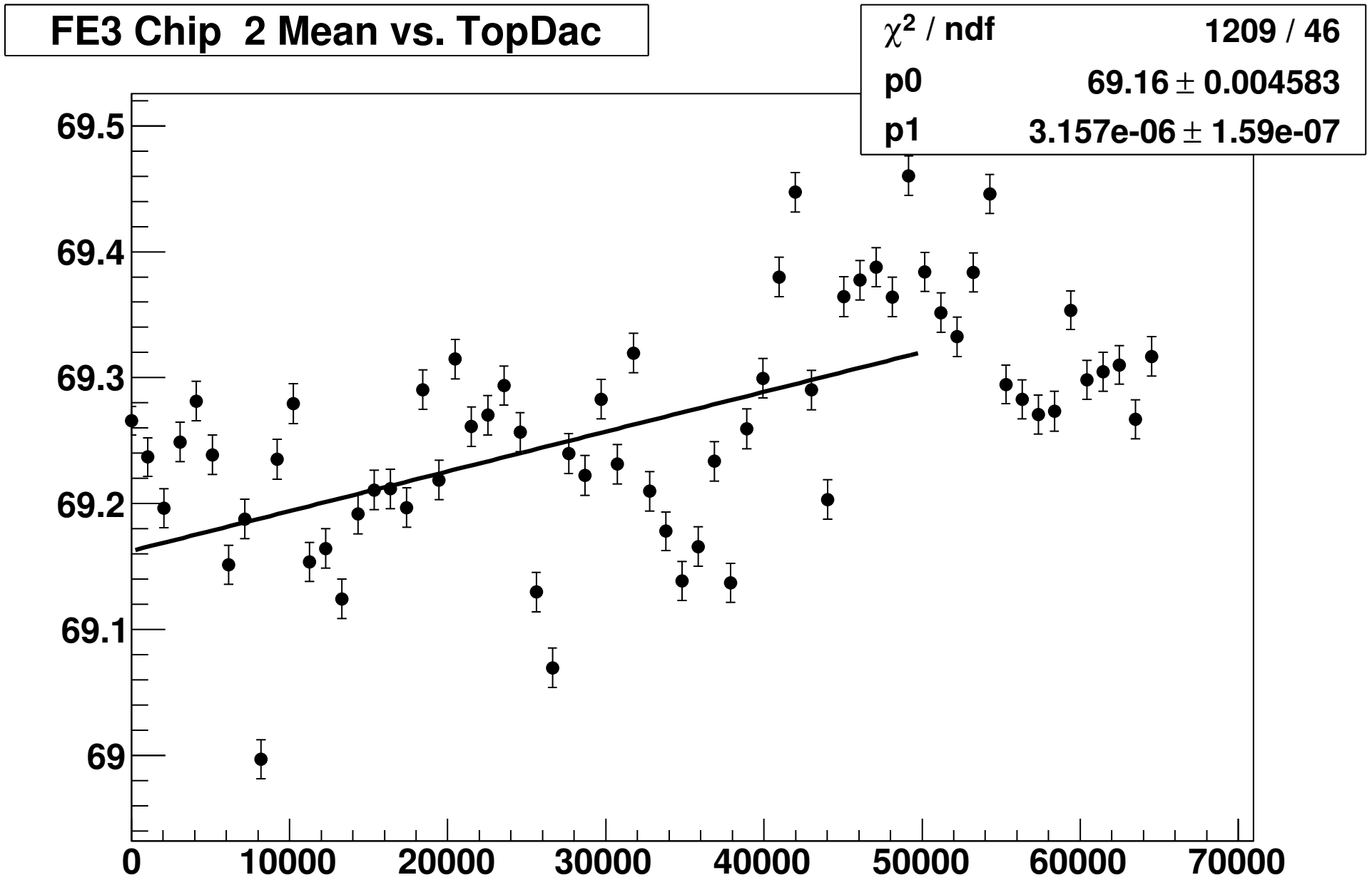
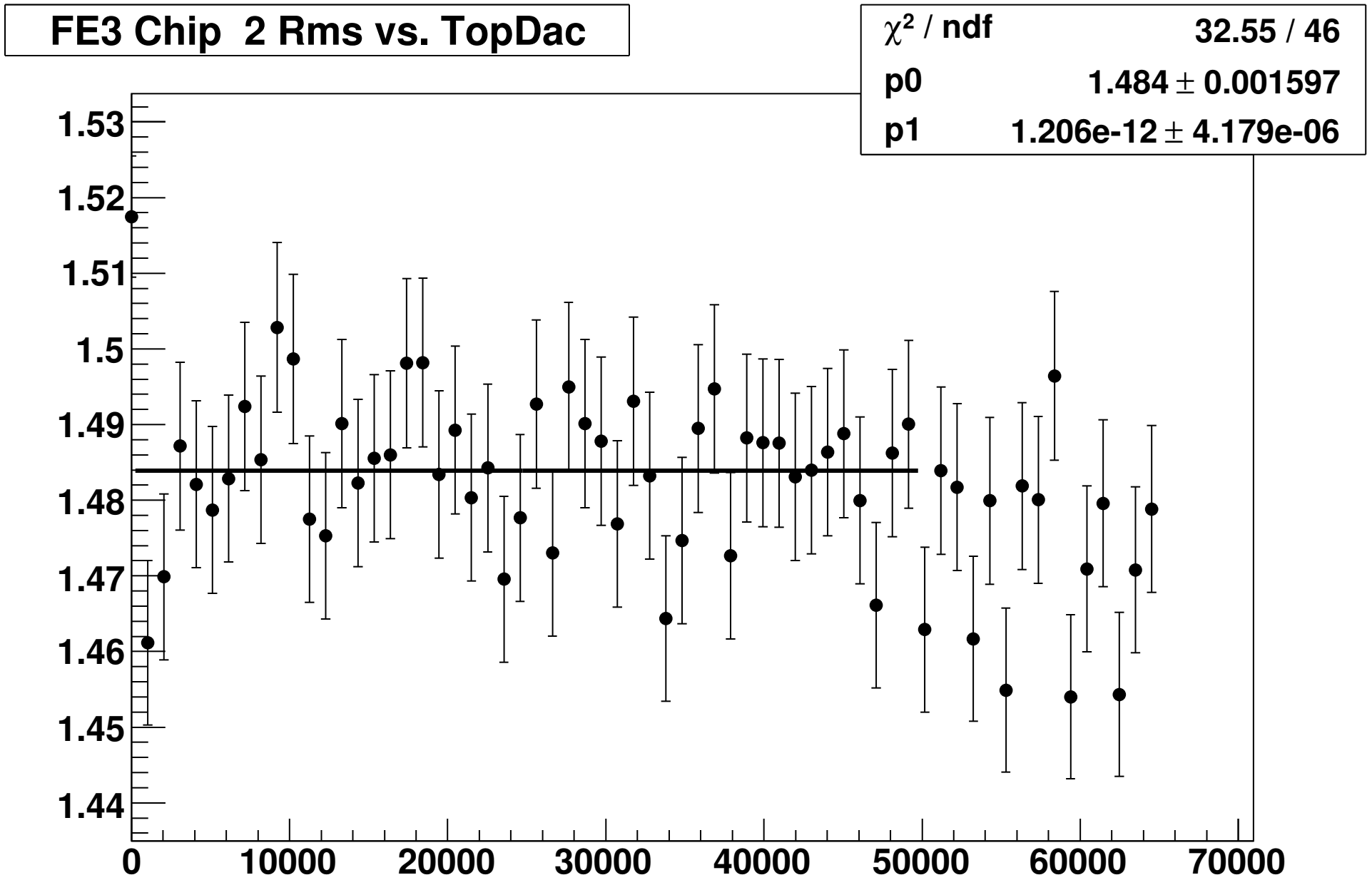
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 2237 / 46
p0 1.402 ± 0.002644
p1 3.403e-05 ± 1.442e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1209 / 46
p0 69.16 ± 0.004583
p1 3.157e-06 ± 1.59e-07
69.5
69.4
69.3
69.2
69.1
69
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 32.55 / 46
p0 1.484 ± 0.001597
p1 1.206e-12 ± 4.179e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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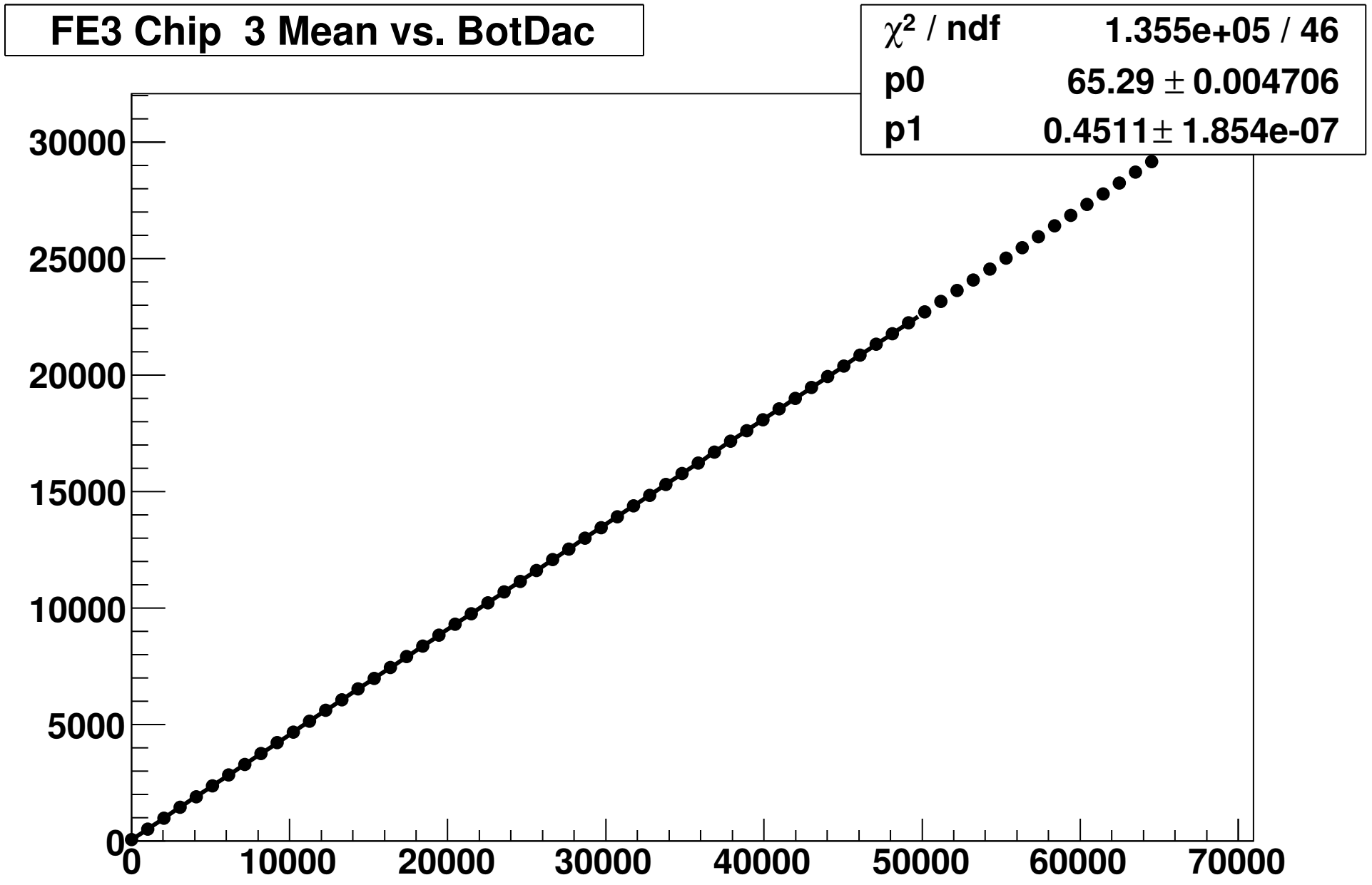
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.355e+05 / 46
p0 65.29 ± 0.004706
p1 0.4511 ± 1.854e-07
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15000
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5000
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10000
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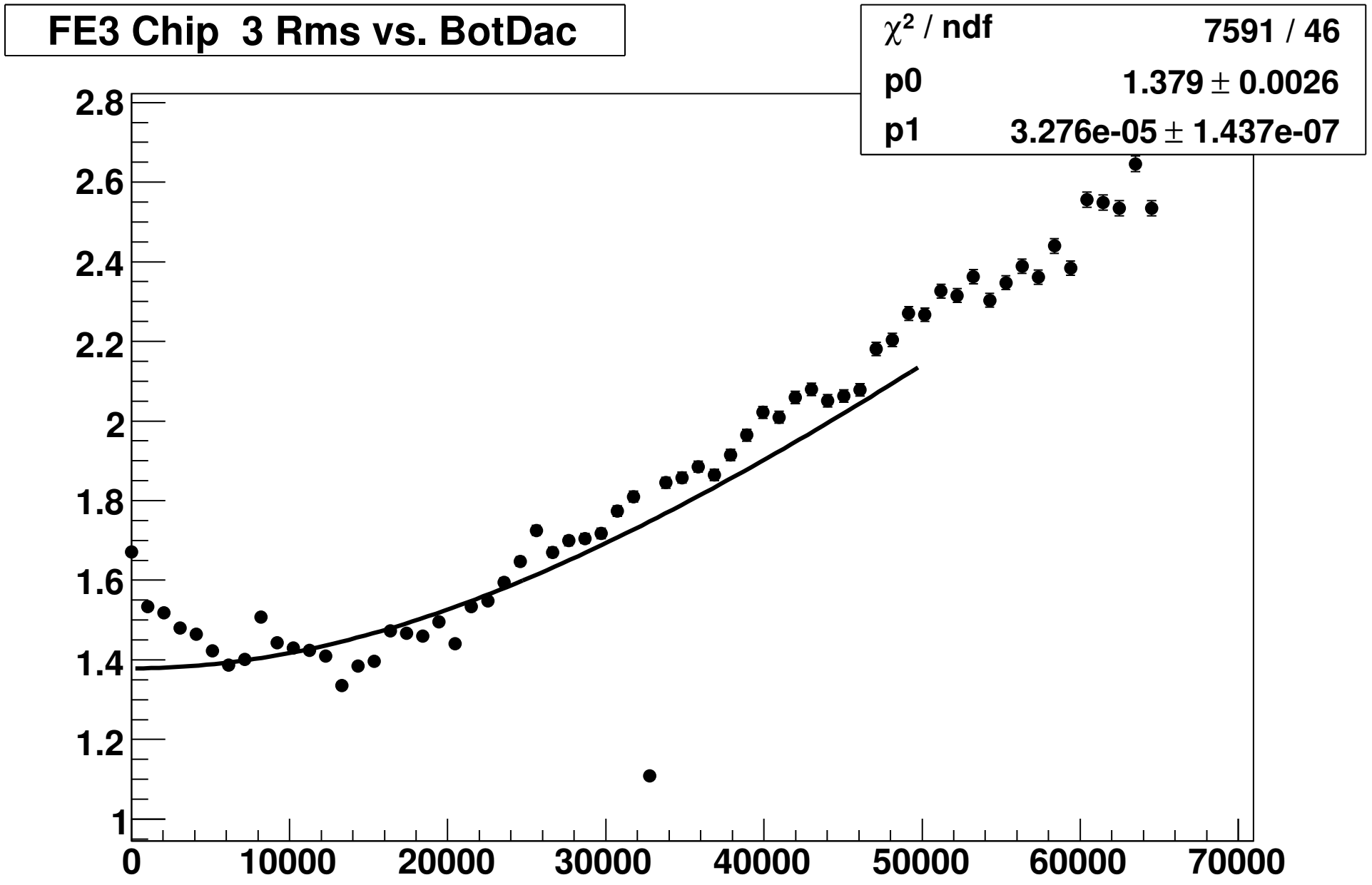
FE3 Chip 3 Rms vs. BotDac
χ² / ndf 7591 / 46
p0 1.379 ± 0.0026
p1 3.276e-05 ± 1.437e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
1.2
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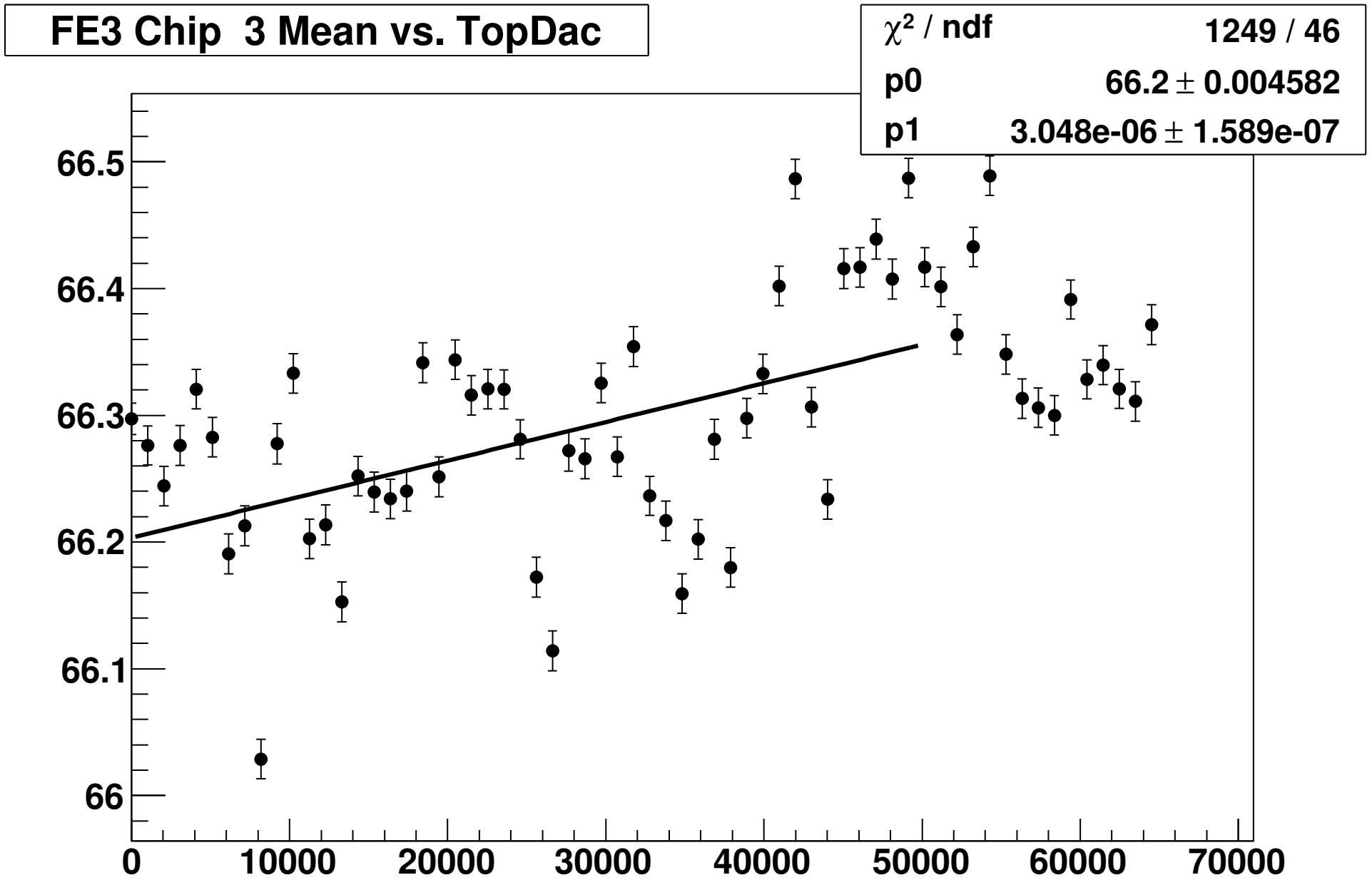
FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1249 / 46
p0 66.2 ± 0.004582
p1 3.048e-06 ± 1.589e-07
66.5
66.4
66.3
66.2
66.1
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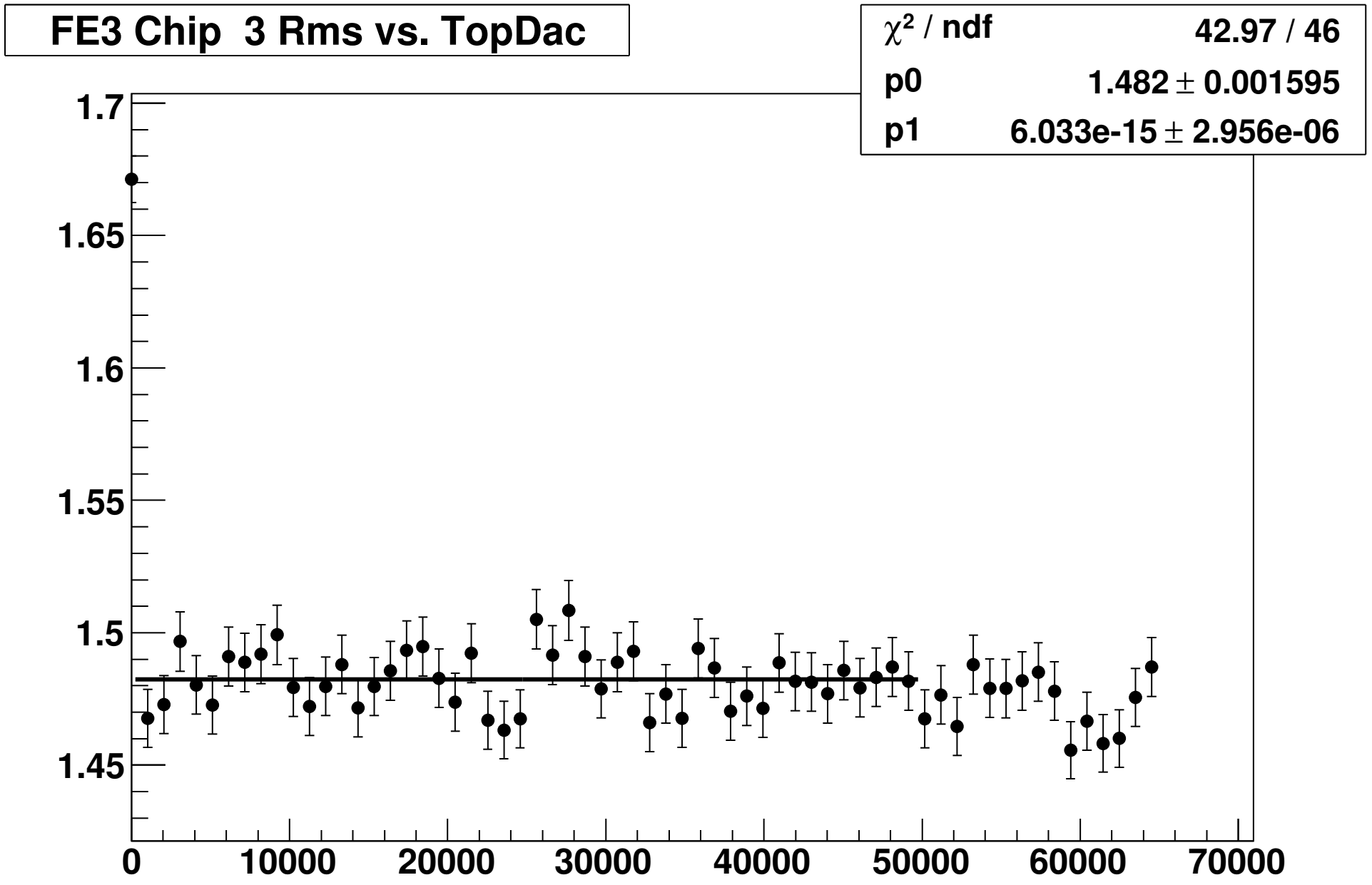
FE3 Chip 3 Rms vs. TopDac
χ² / ndf 42.97 / 46
p0 1.482 ± 0.001595
p1 6.033e-15 ± 2.956e-06
1.7
1.65
1.6
1.55
1.5
1.45
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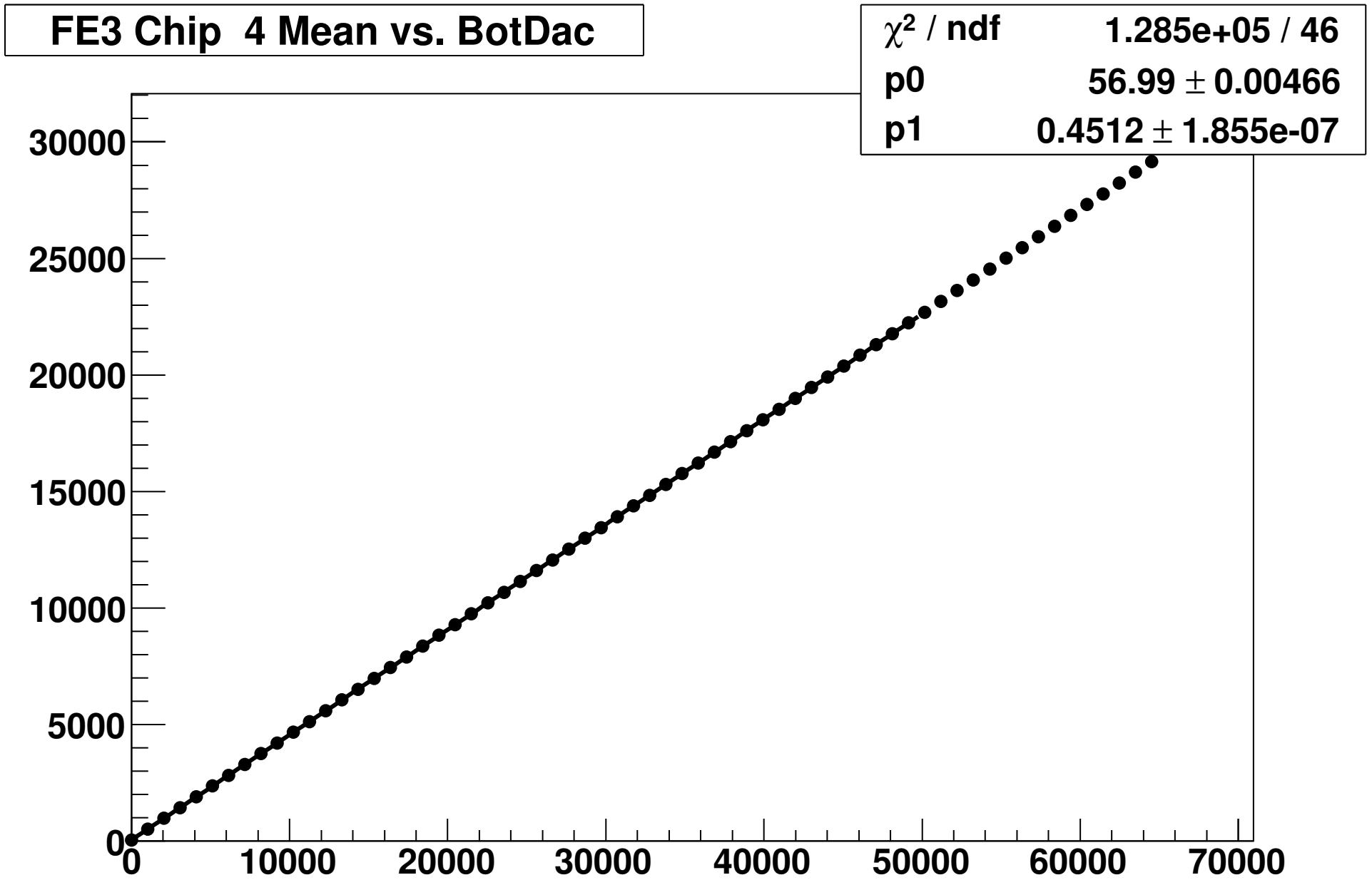
FE3 Chip 4 Mean vs. BotDac
χ² / ndf 1.285e+05 / 46
p0 56.99 ± 0.00466
p1 0.4512 ± 1.855e-07
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15000
10000
5000
0
0
10000
20000
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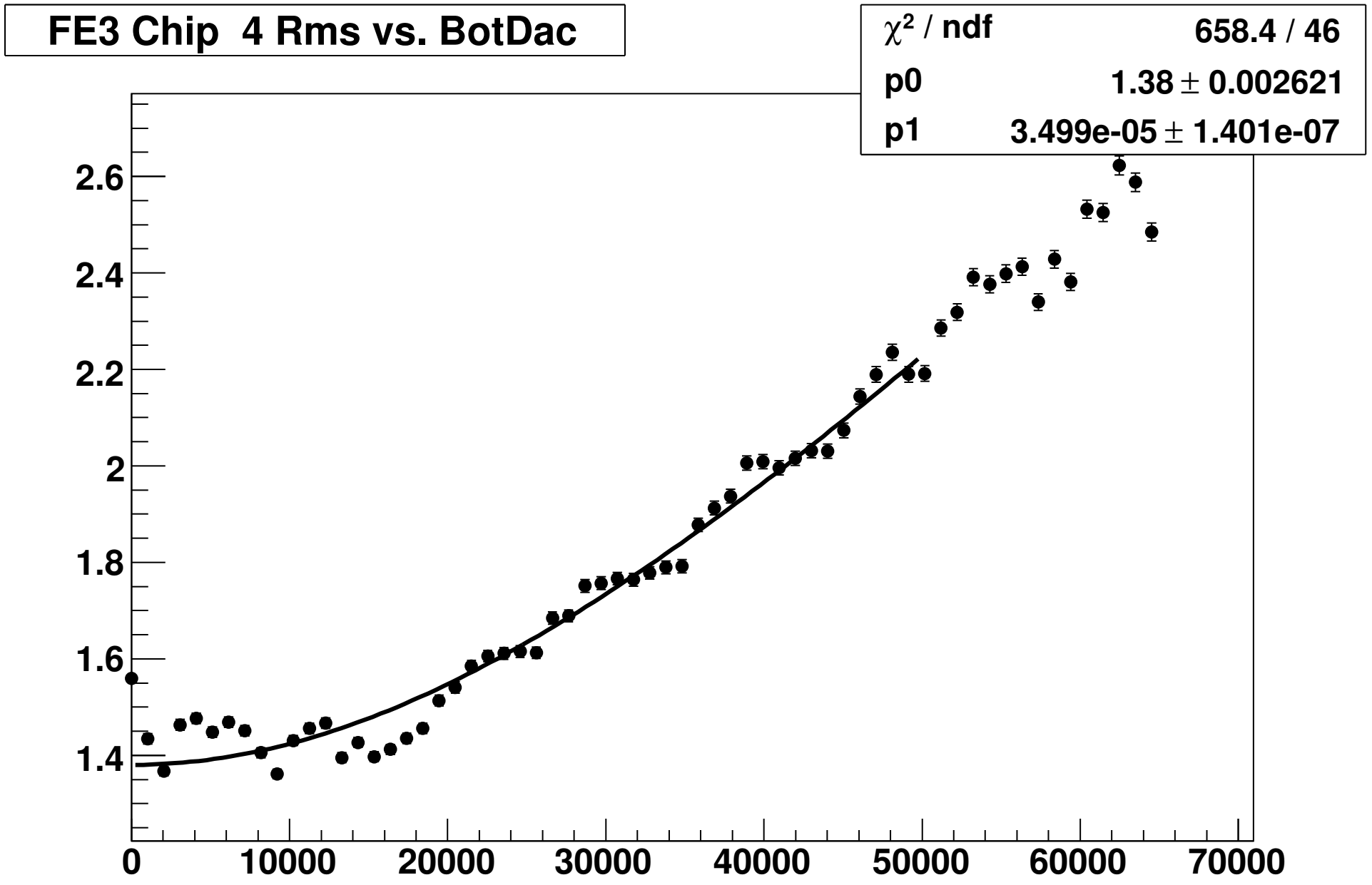
FE3 Chip 4 Rms vs. BotDac
χ² / ndf 658.4 / 46
p0 1.38 ± 0.002621
p1 3.499e-05 ± 1.401e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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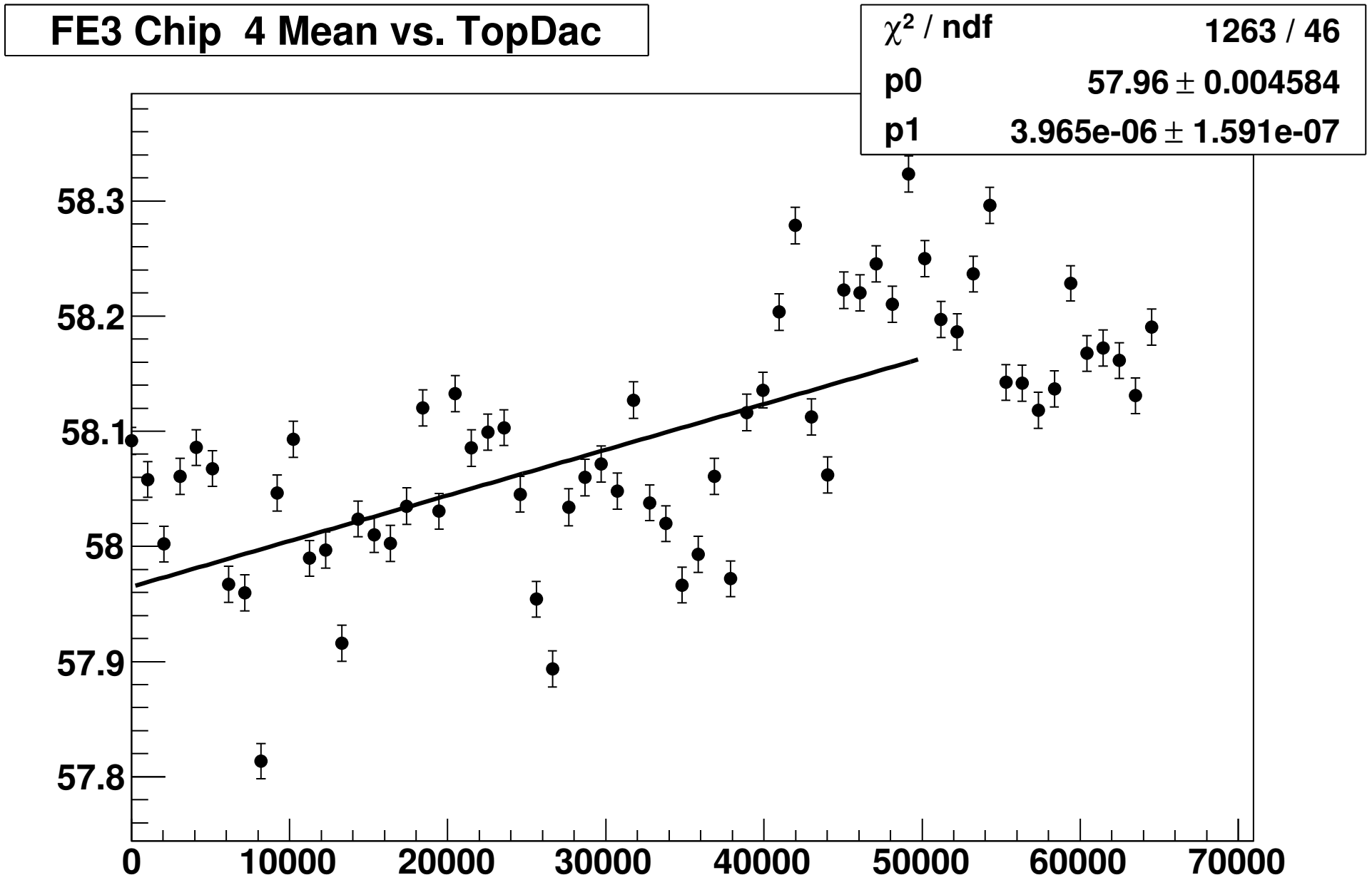
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 1263 / 46
p0 57.96 ± 0.004584
p1 3.965e-06 ± 1.591e-07
58.3
58.2
58.1
58
57.9
57.8
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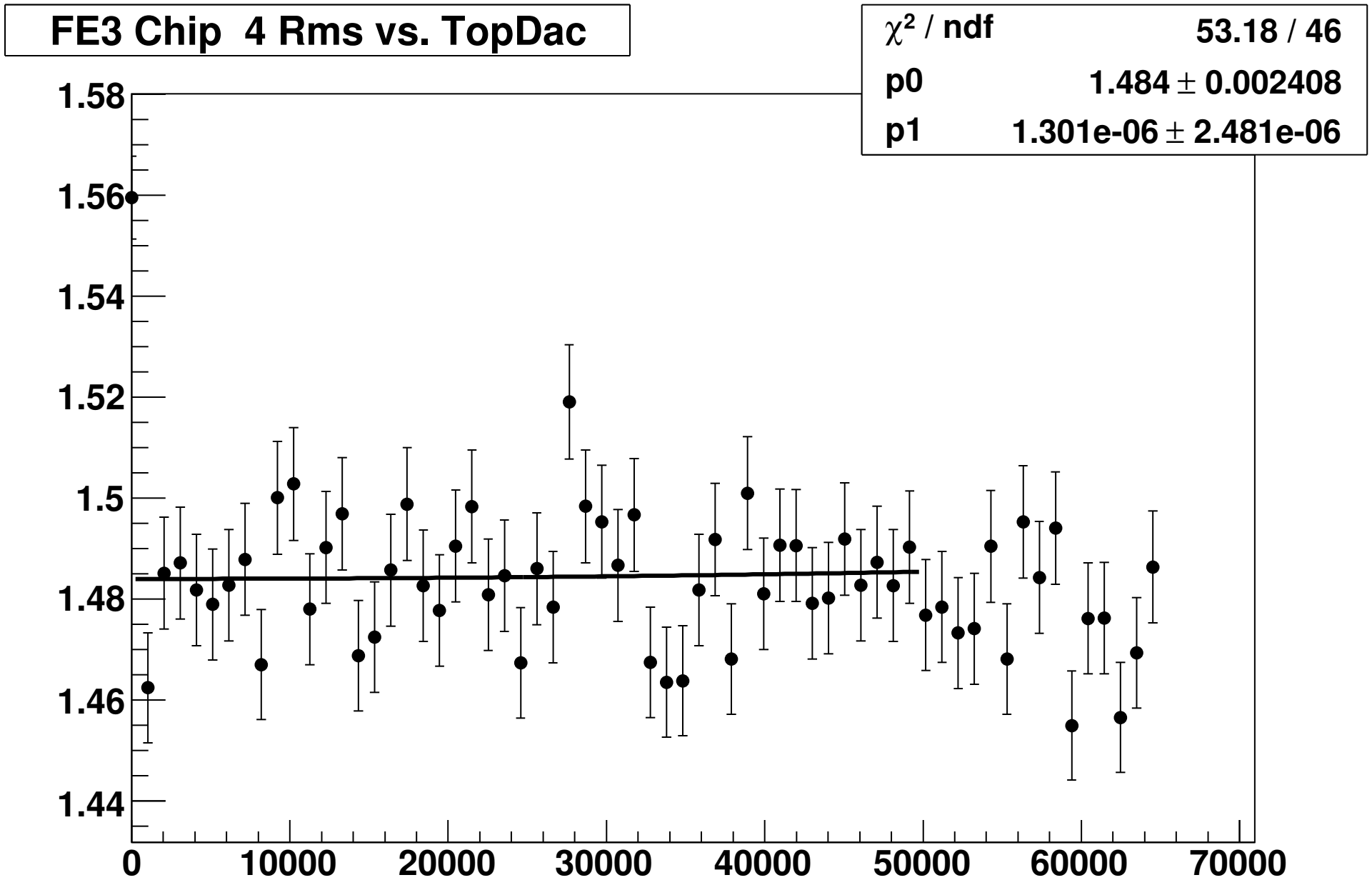
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 53.18 / 46
p0 1.484 ± 0.002408
p1 1.301e-06 ± 2.481e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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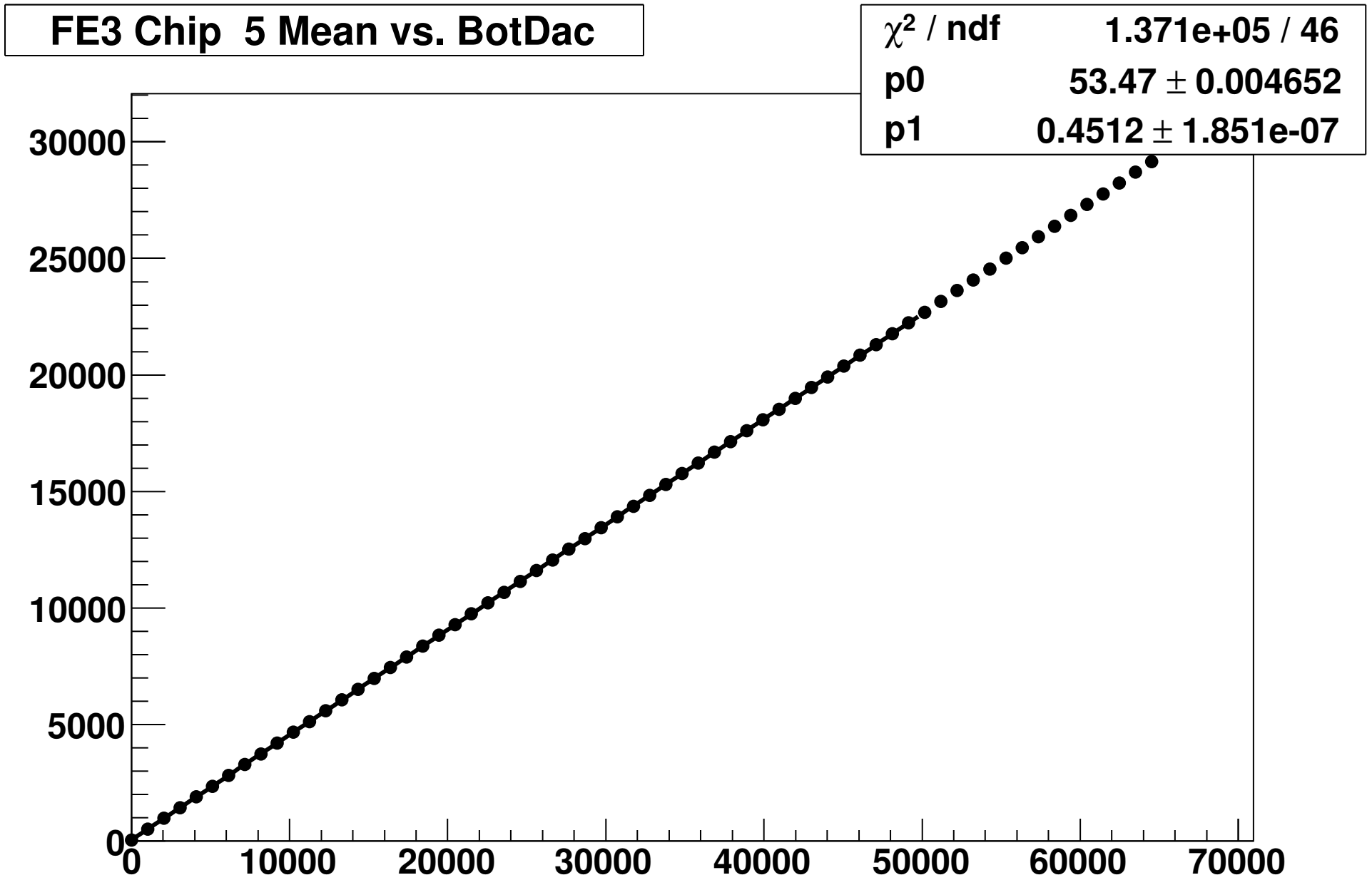
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.371e+05 / 46
p0 53.47 ± 0.004652
p1 0.4512 ± 1.851e-07
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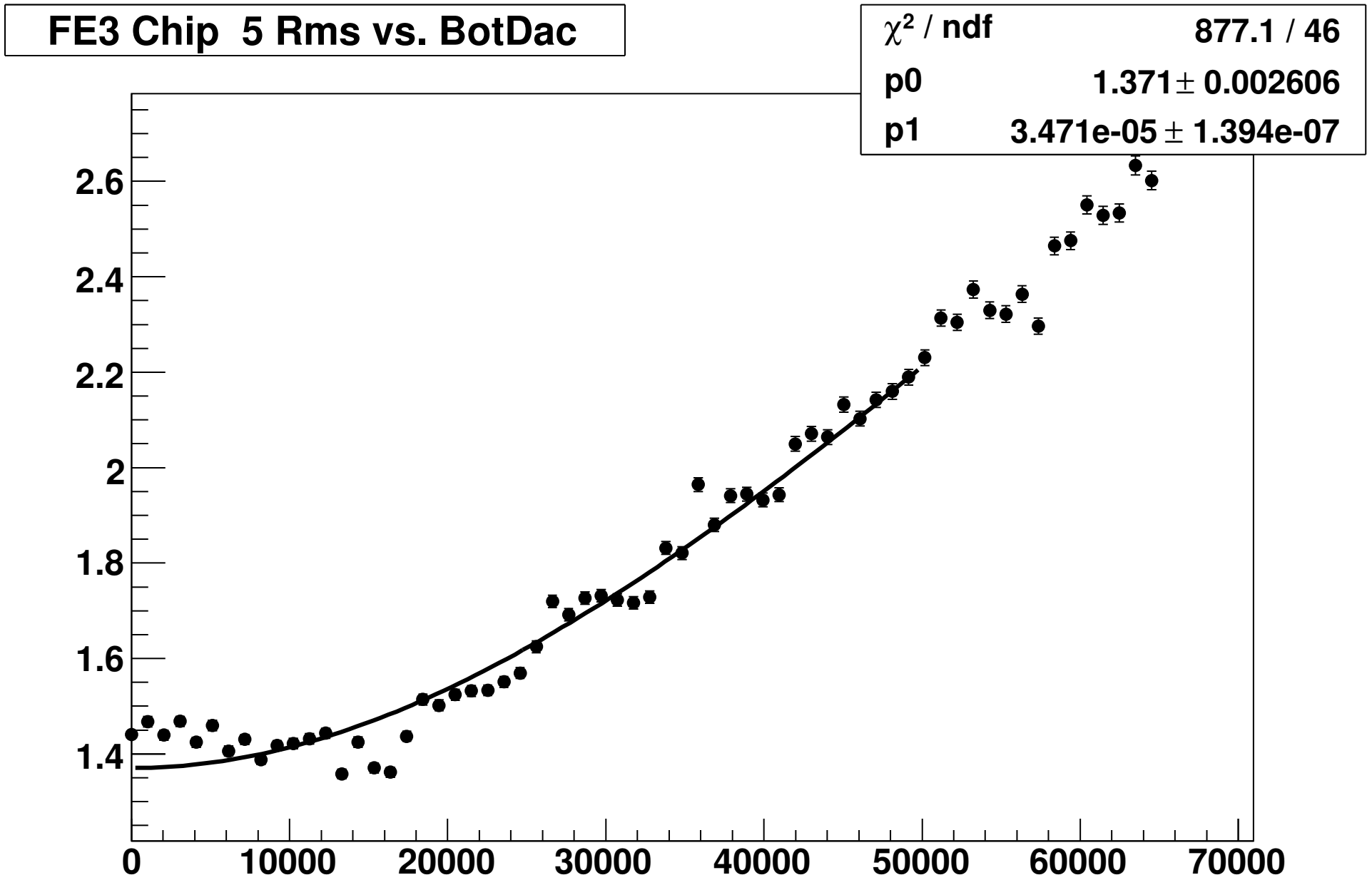
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 877.1 / 46
p0 1.371 ± 0.002606
p1 3.471e-05 ± 1.394e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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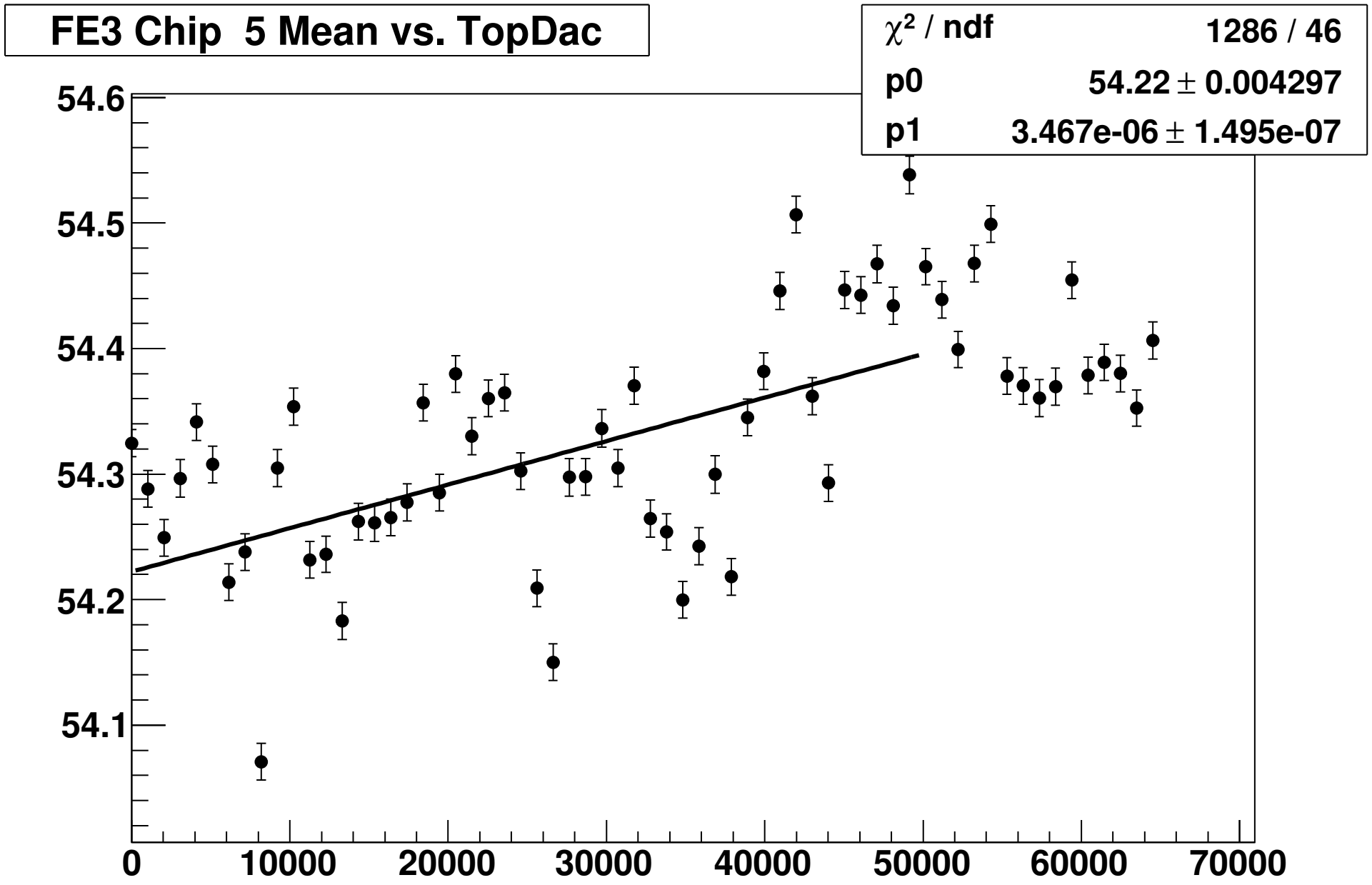
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1286 / 46
p0 54.22 ± 0.004297
p1 3.467e-06 ± 1.495e-07
54.6
54.5
54.4
54.3
54.2
54.1
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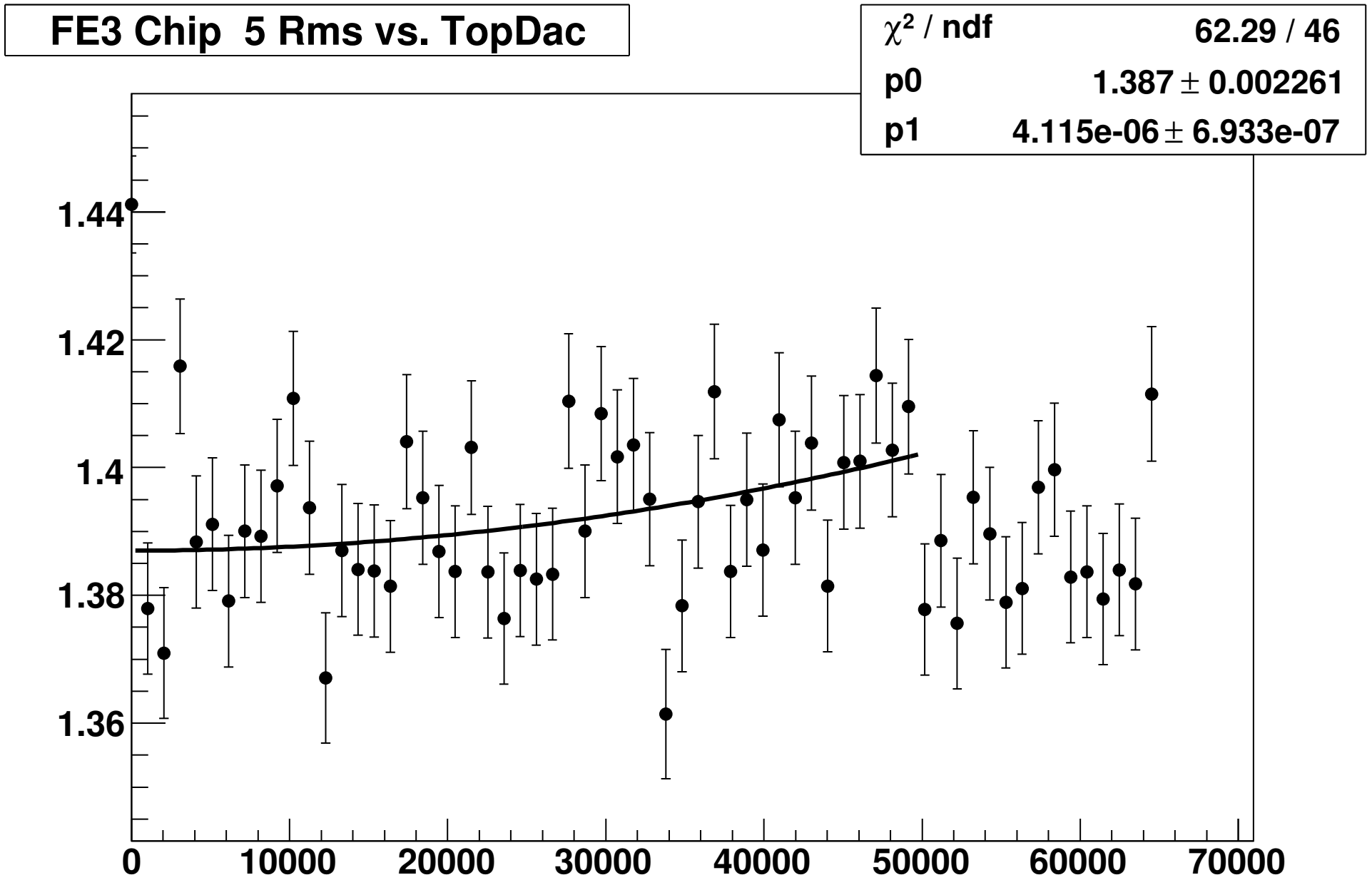
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 62.29 / 46
p0 1.387 ± 0.002261
p1 4.115e-06 ± 6.933e-07
1.44
1.42
1.4
1.38
1.36
0
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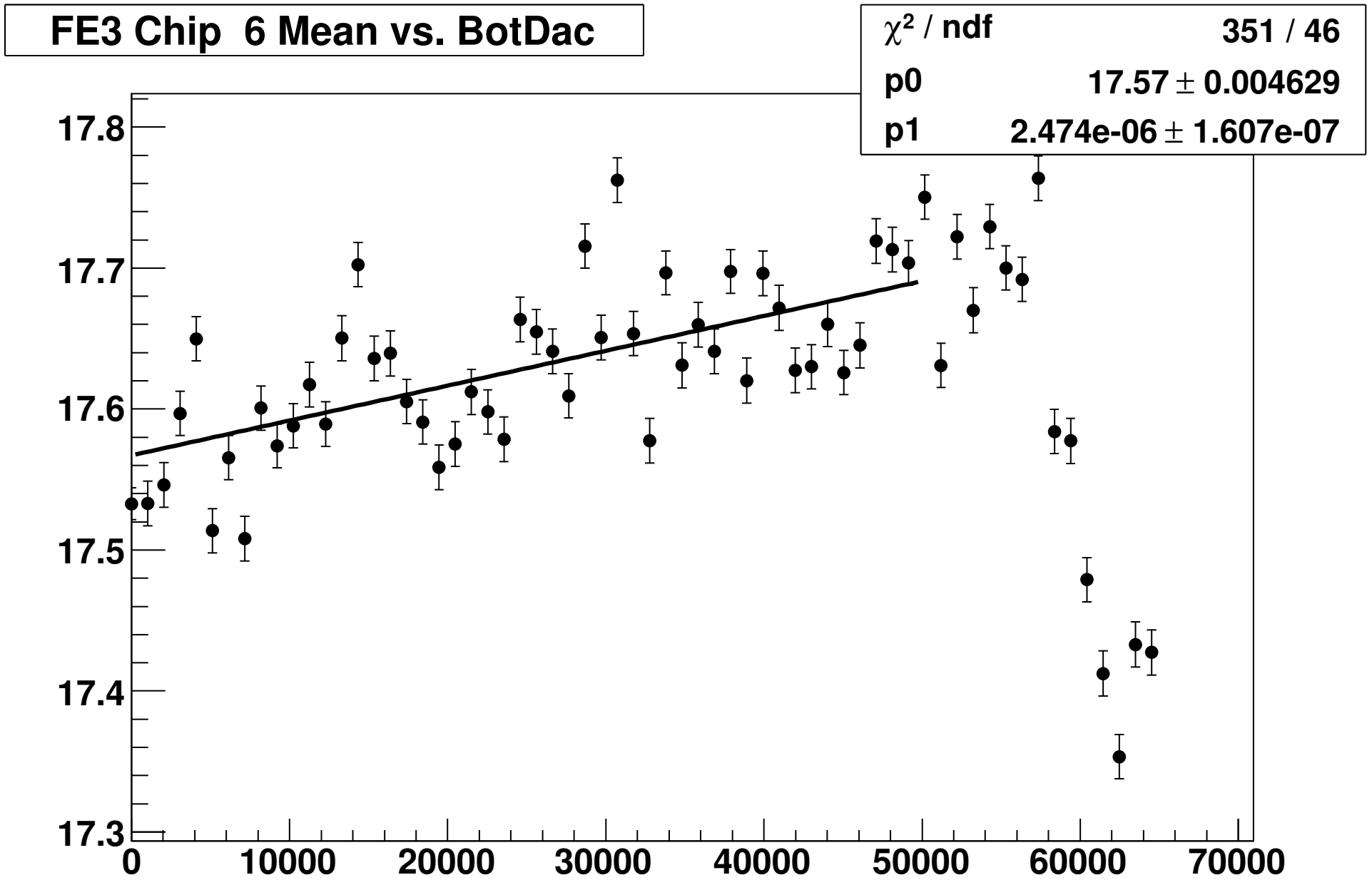
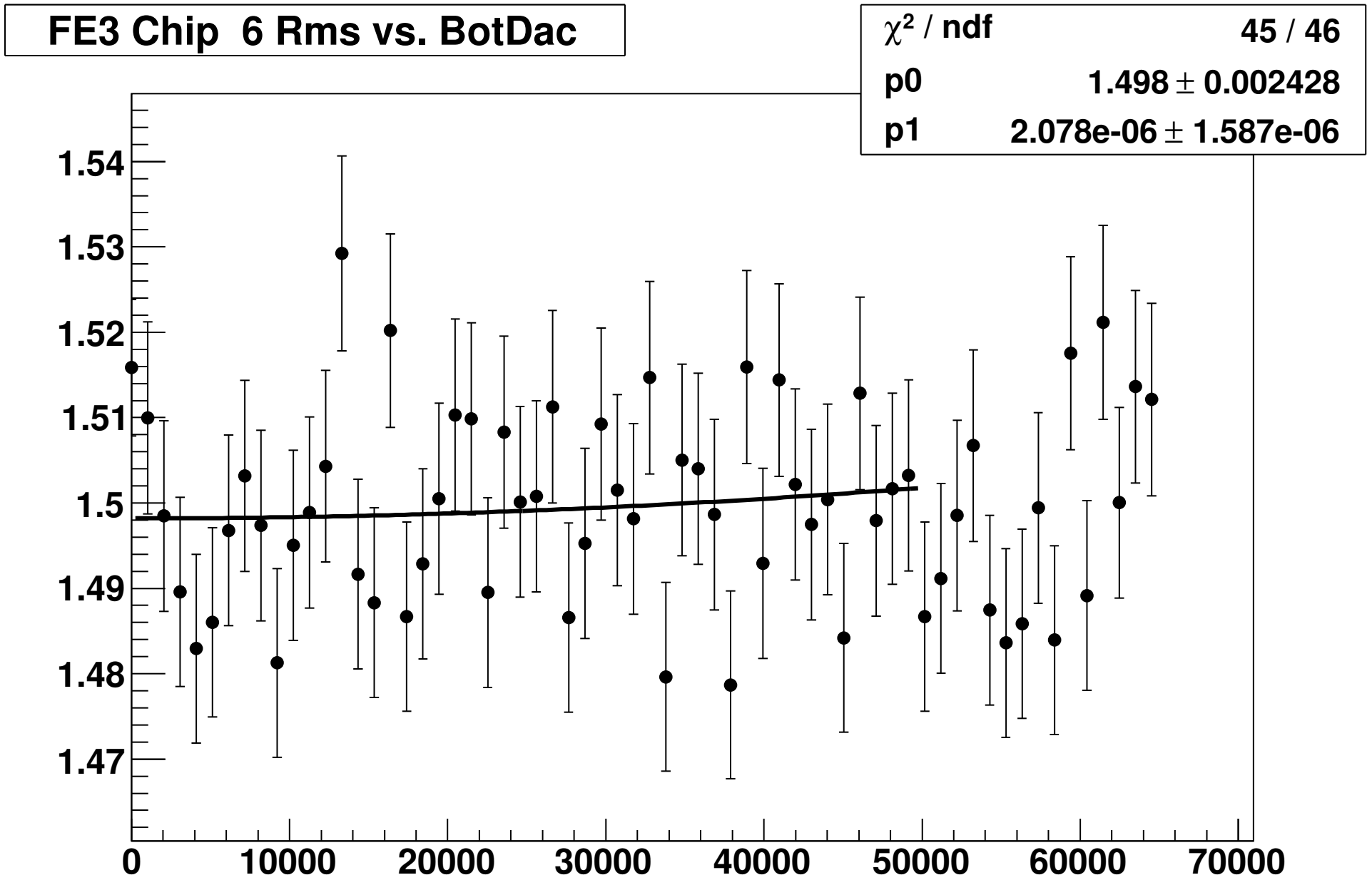
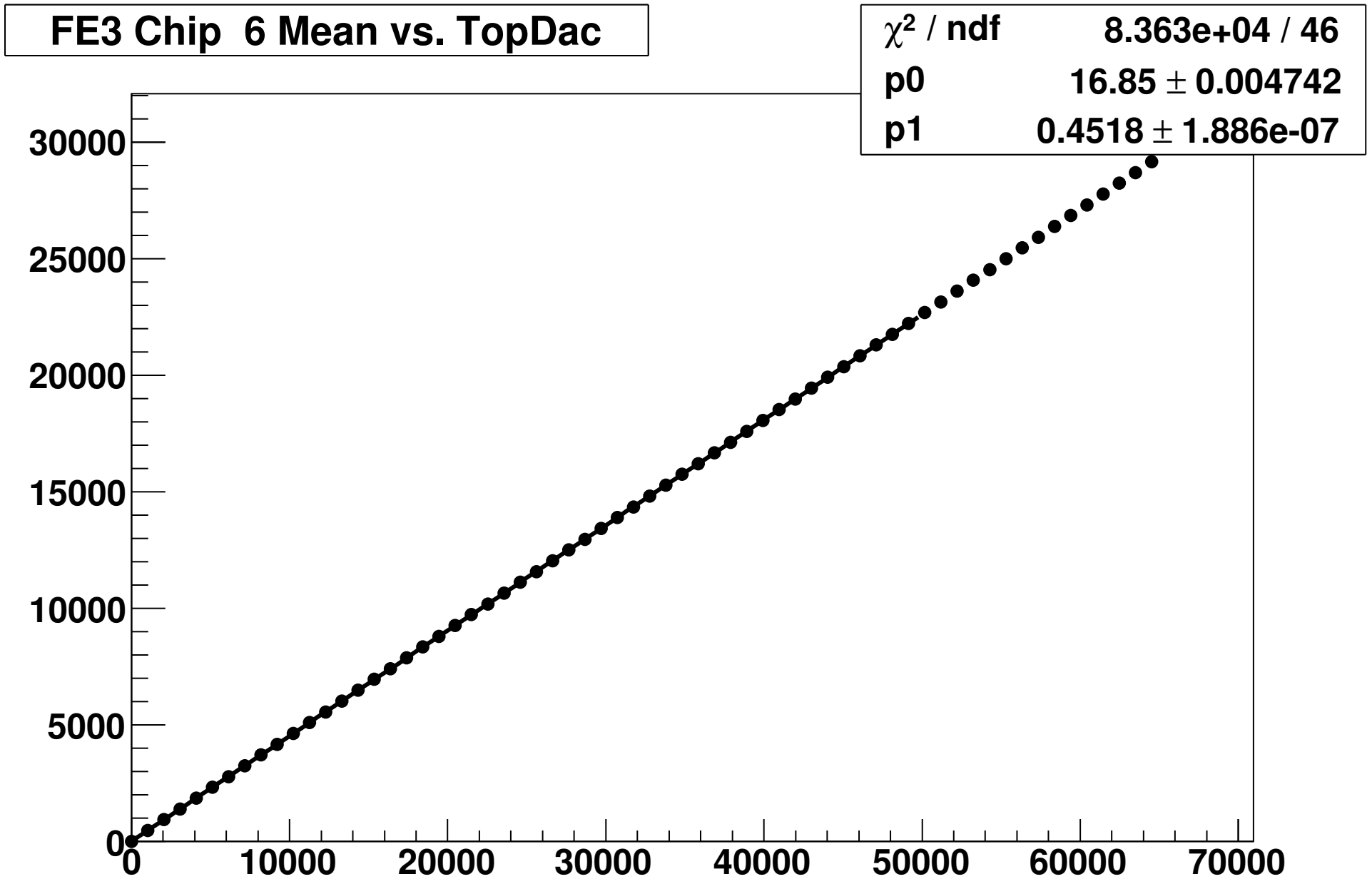

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 351 / 46
p0 17.57 ± 0.004629
p1 2.474e-06 ± 1.607e-07
17.8
17.7
17.6
17.5
17.4
17.3
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 45 / 46
p0 1.498 ± 0.002428
p1 2.078e-06 ± 1.587e-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


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 8.363e+04 / 46
p0 16.85 ± 0.004742
p1 0.4518 ± 1.886e-07
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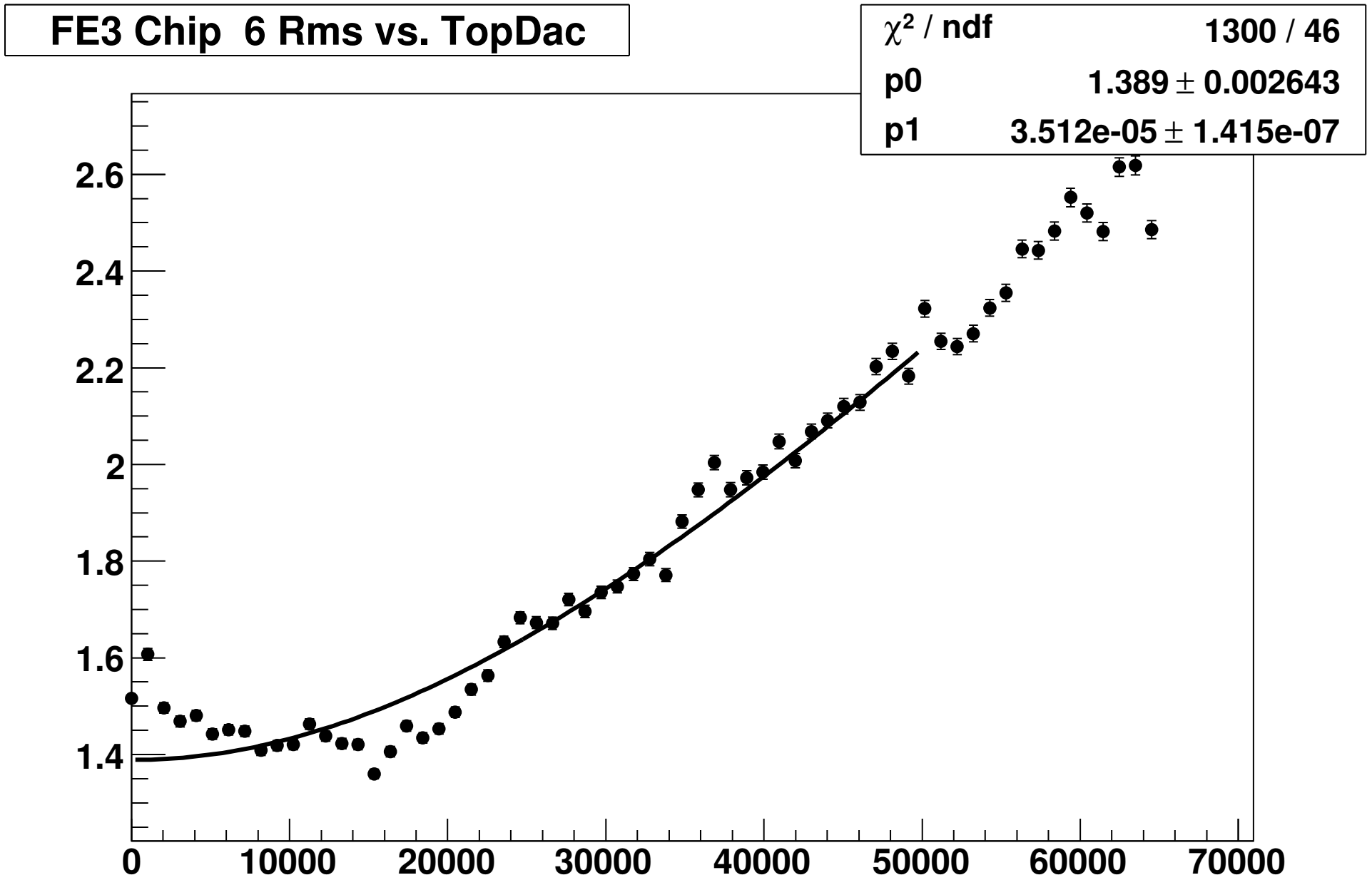
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1300 / 46
p0 1.389 ± 0.002643
p1 3.512e-05 ± 1.415e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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50000
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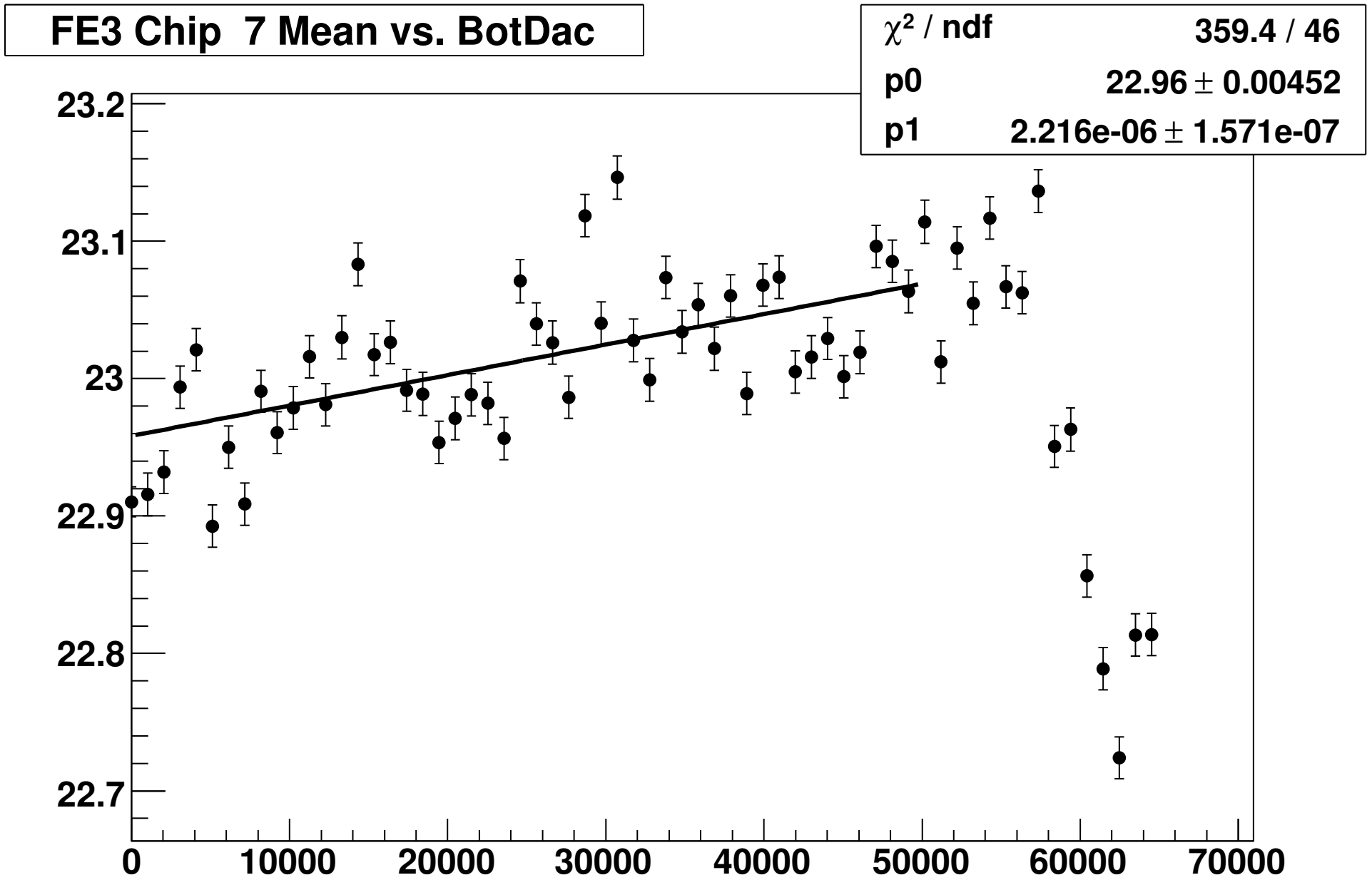
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 359.4 / 46
p0 22.96 ± 0.00452
p1 2.216e-06 ± 1.571e-07
23.2
23.1
23
22.9
22.8
22.7
0
10000
20000
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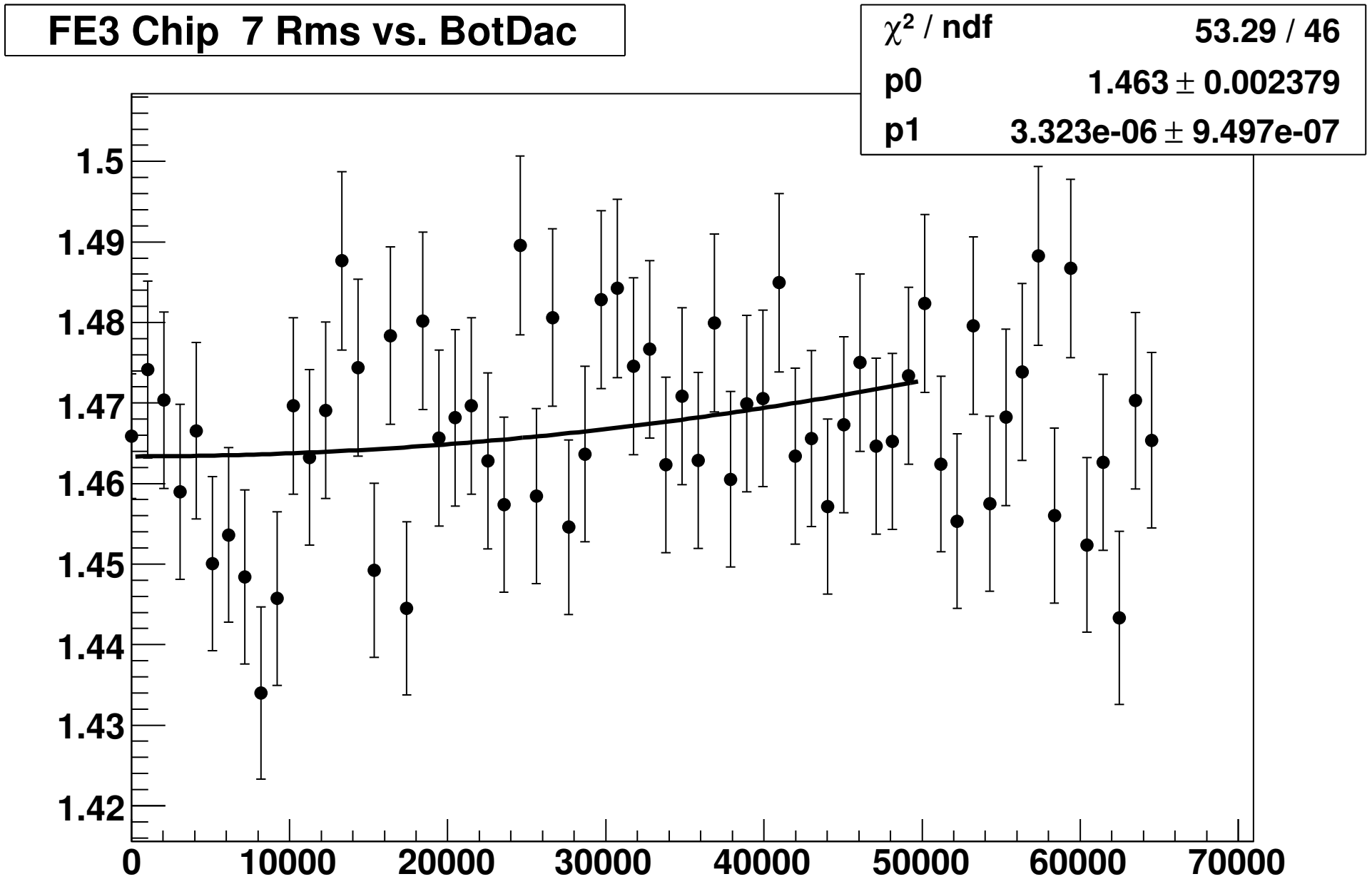
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 53.29 / 46
p0 1.463 ± 0.002379
p1 3.323e-06 ± 9.497e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
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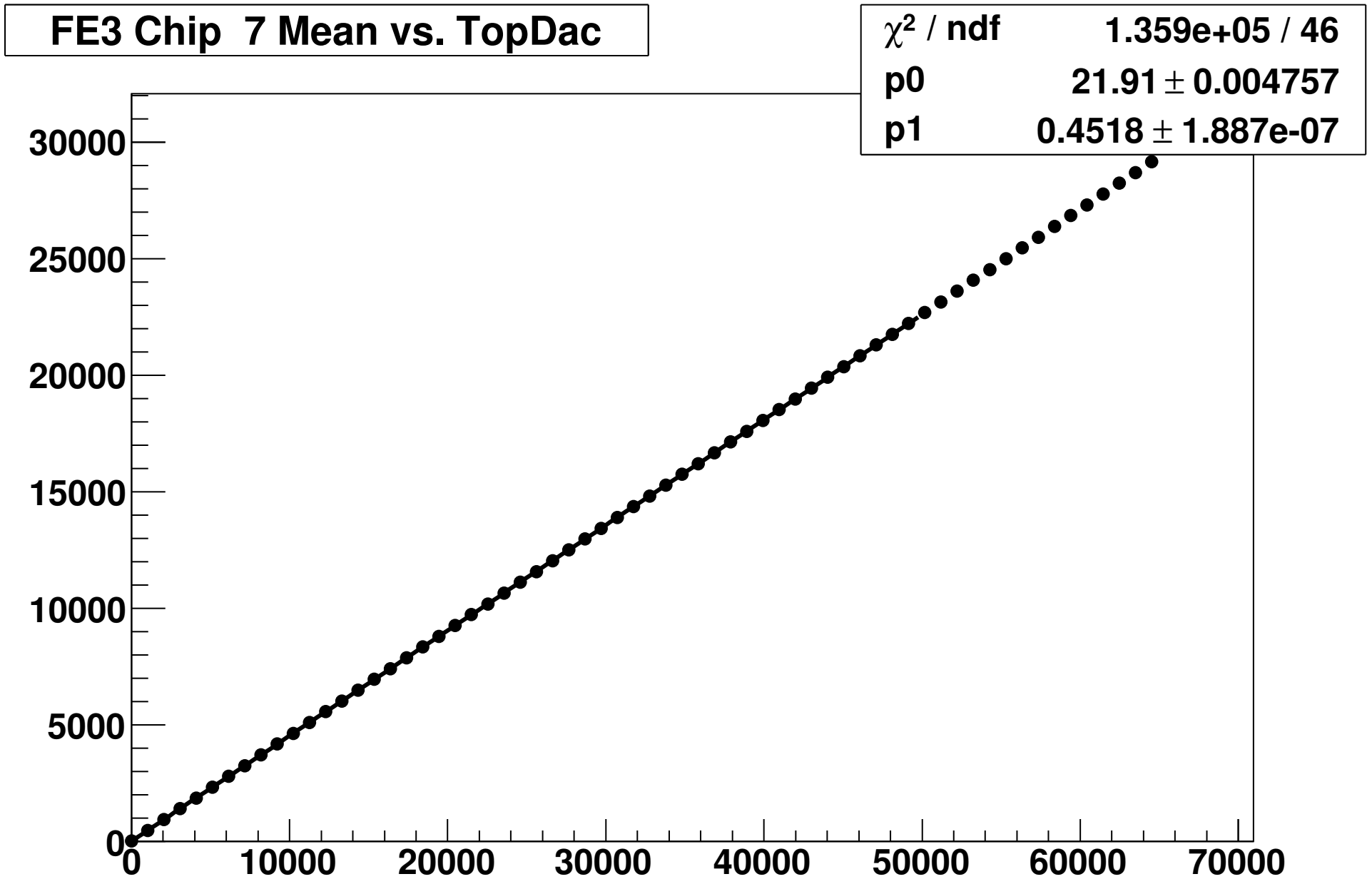
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.359e+05 / 46
p0 21.91 ± 0.004757
p1 0.4518 ± 1.887e-07
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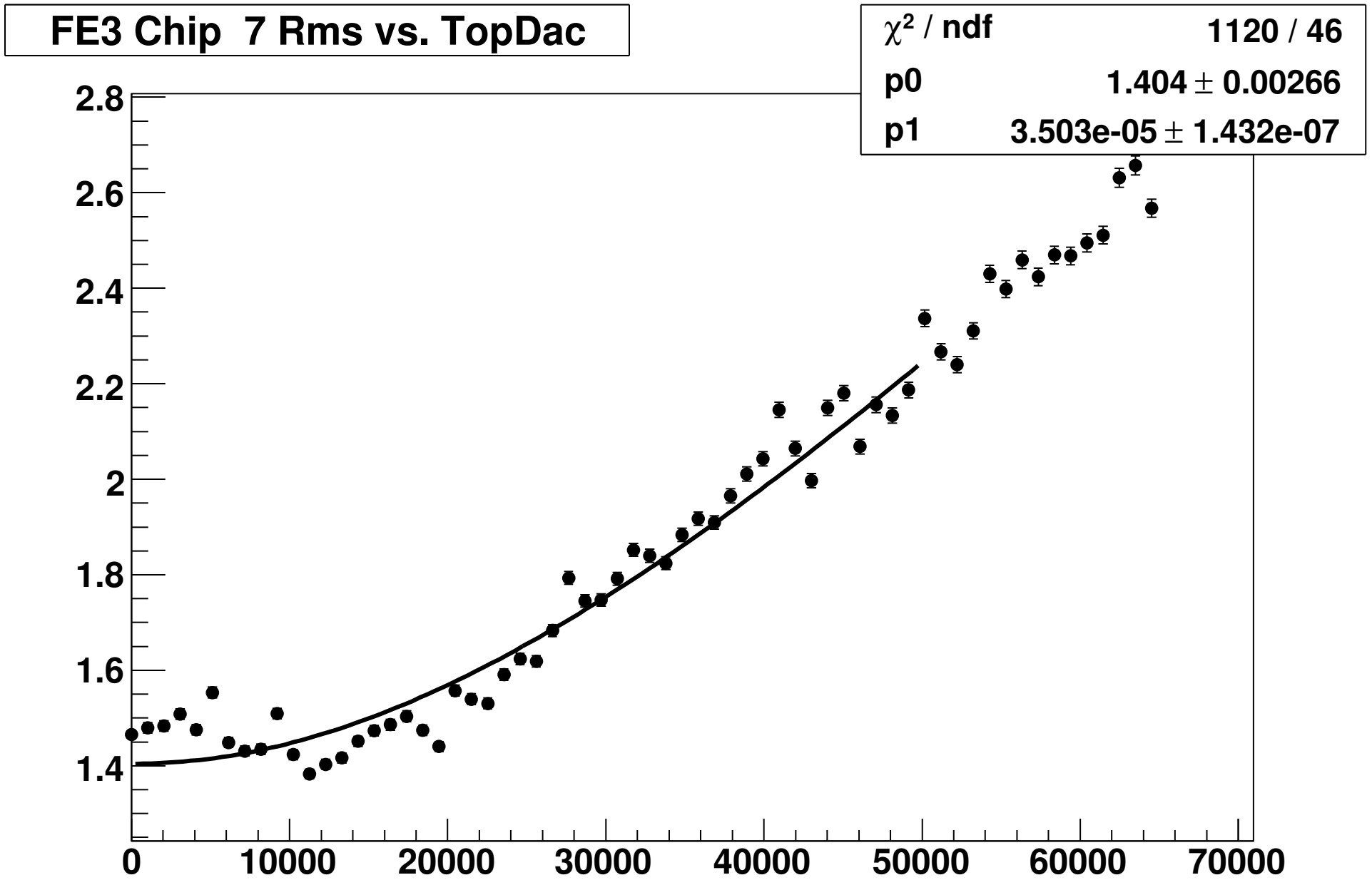
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1120 / 46
p0 1.404 ± 0.00266
p1 3.503e-05 ± 1.432e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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50000
60000
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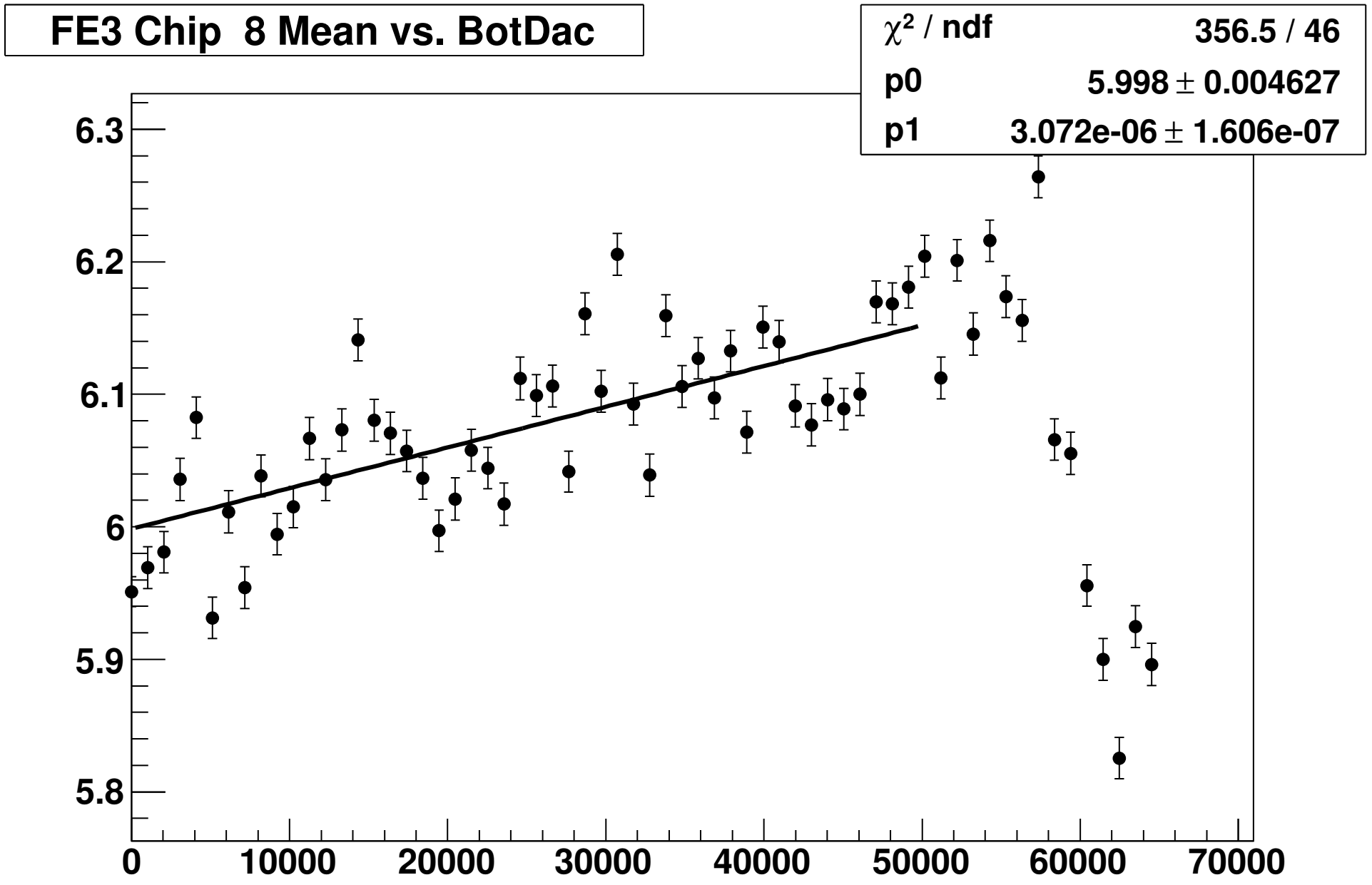
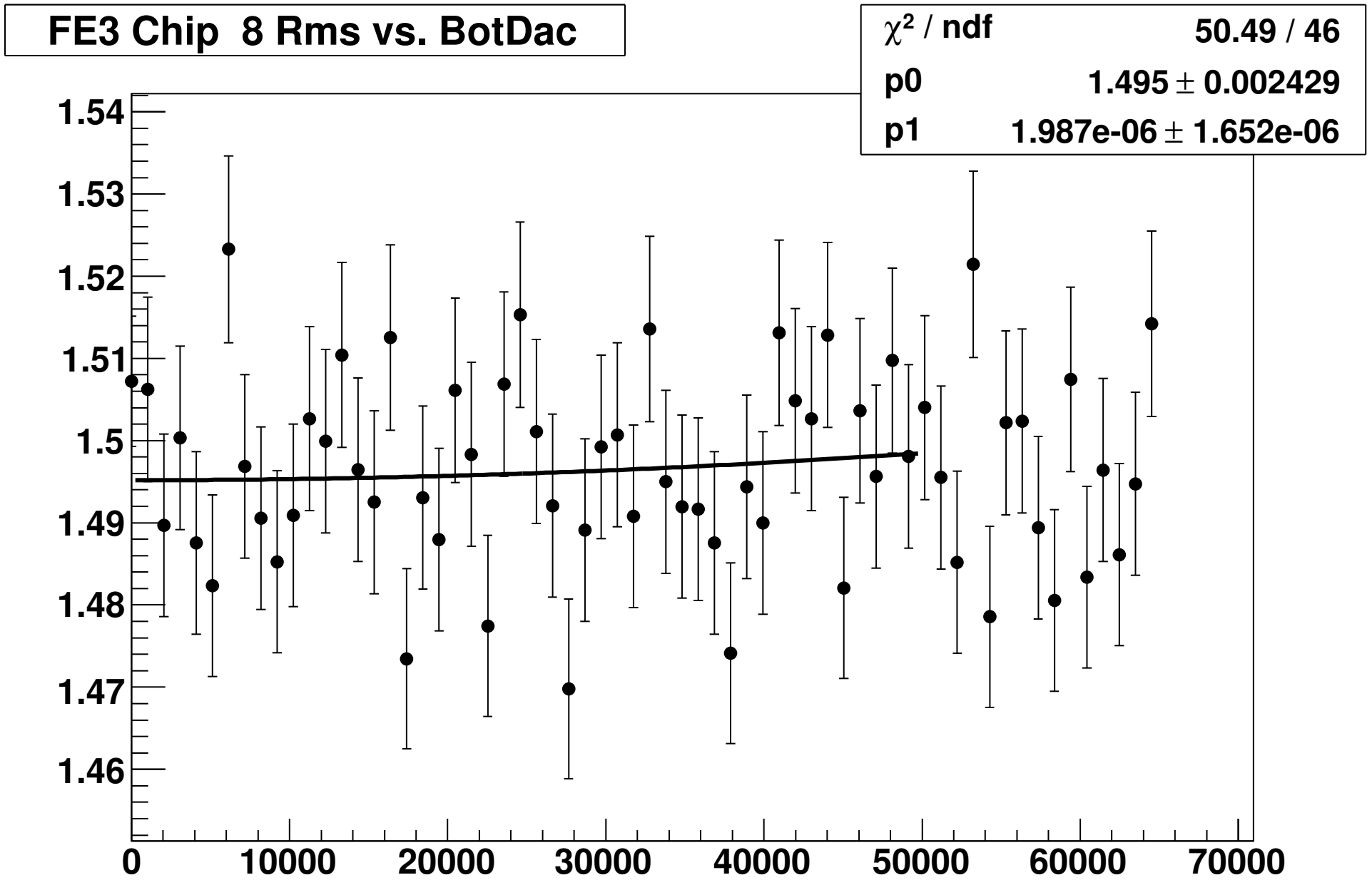

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 356.5 / 46
p0 5.998 ± 0.004627
p1 3.072e-06 ± 1.606e-07
6.3
6.2
6.1
6
5.9
5.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 50.49 / 46
p0 1.495 ± 0.002429
p1 1.987e-06 ± 1.652e-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
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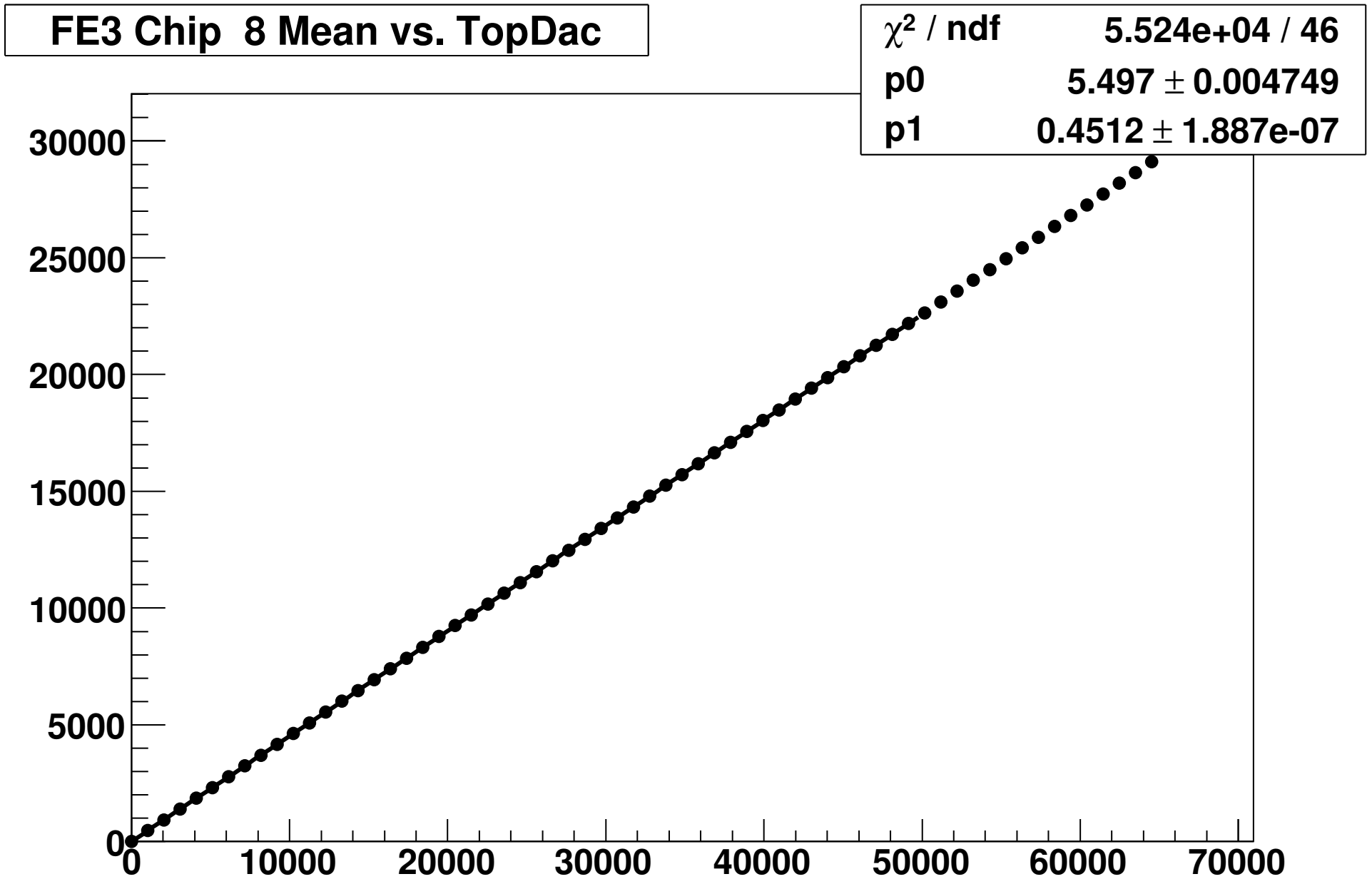
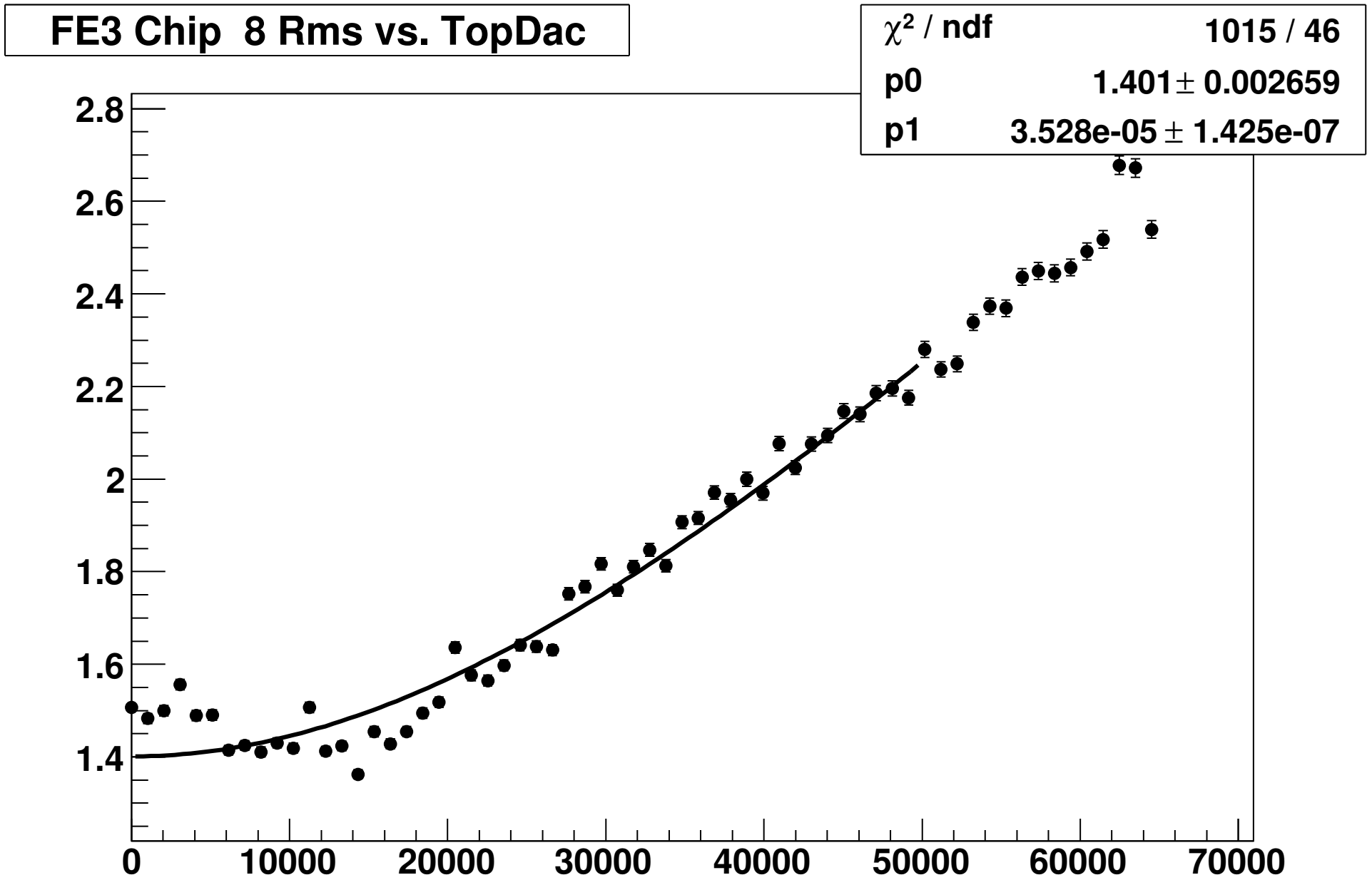

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 5.524e+04 / 46
p0 5.497 ± 0.004749
p1 0.4512 ± 1.887e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1015 / 46
p0 1.401 ± 0.002659
p1 3.528e-05 ± 1.425e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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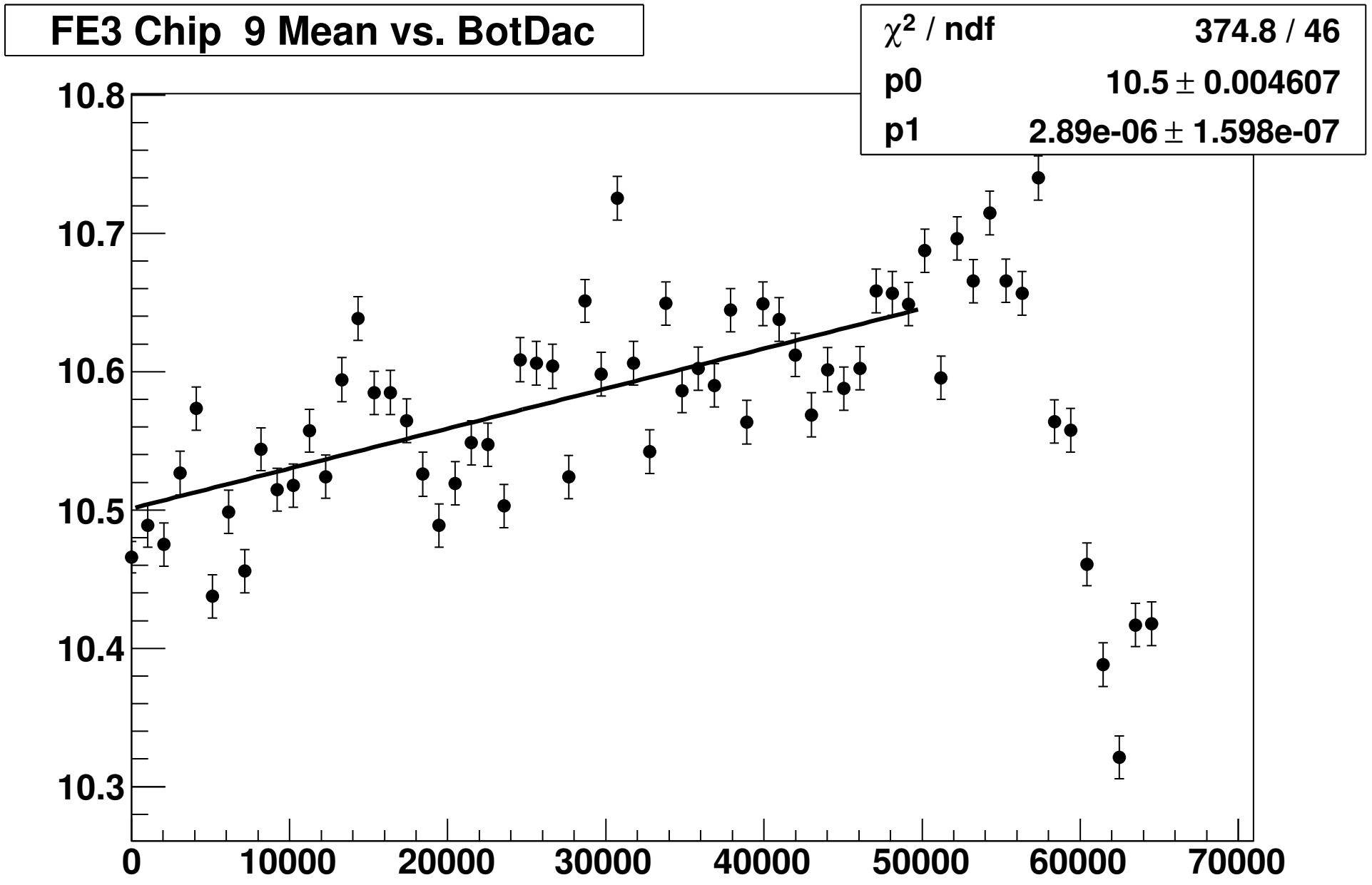
FE3 Chip 9 Mean vs. BotDac
χ² / ndf 374.8 / 46
p0 10.5 ± 0.004607
p1 2.89e-06 ± 1.598e-07
10.8
10.7
10.6
10.5
10.4
10.3
0
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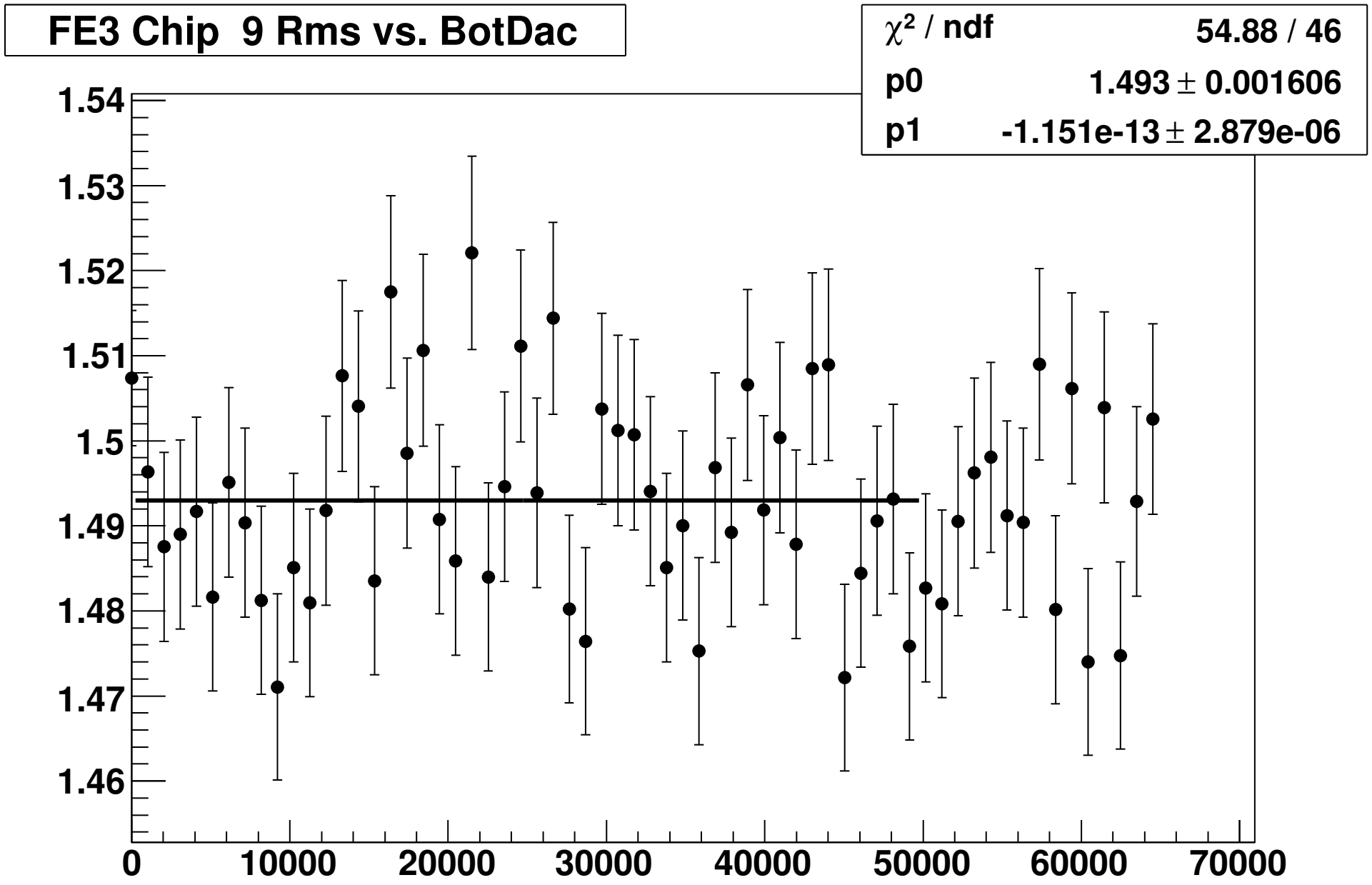
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 54.88 / 46
p0 1.493 ± 0.001606
p1 -1.151e-13 ± 2.879e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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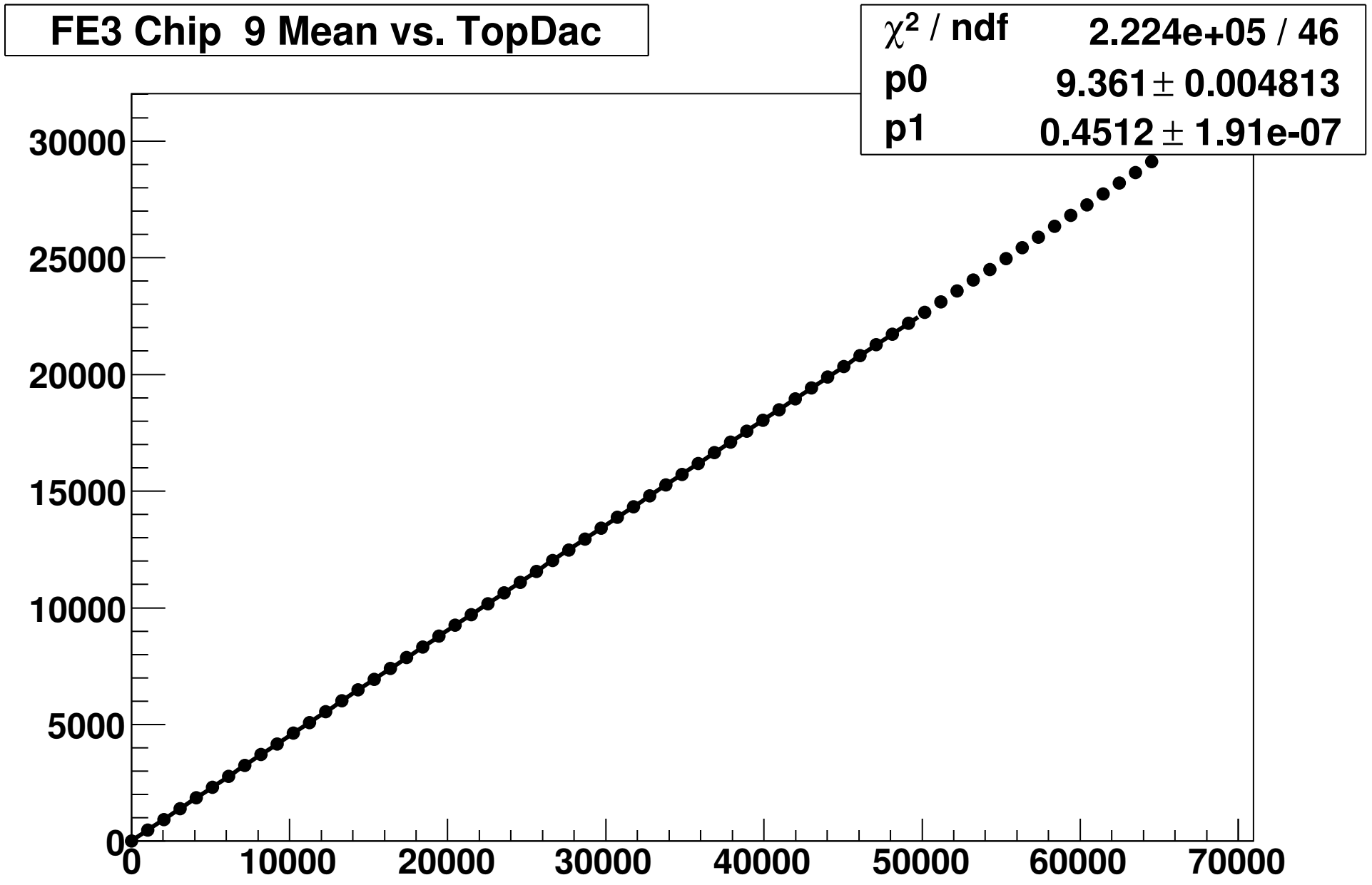
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.224e+05 / 46
p0 9.361 ± 0.004813
p1 0.4512 ± 1.91e-07
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5000
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20000
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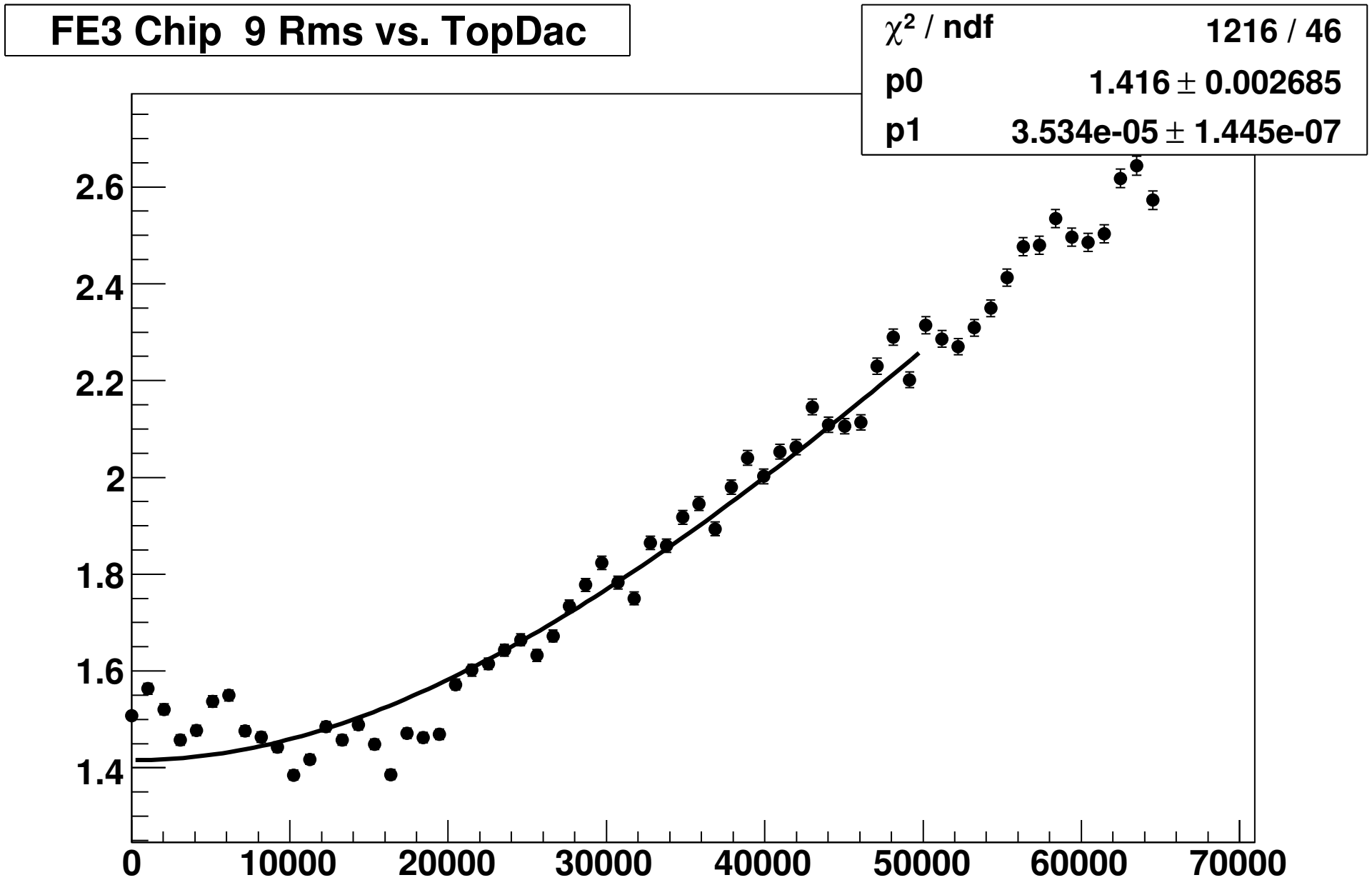
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1216 / 46
p0 1.416 ± 0.002685
p1 3.534e-05 ± 1.445e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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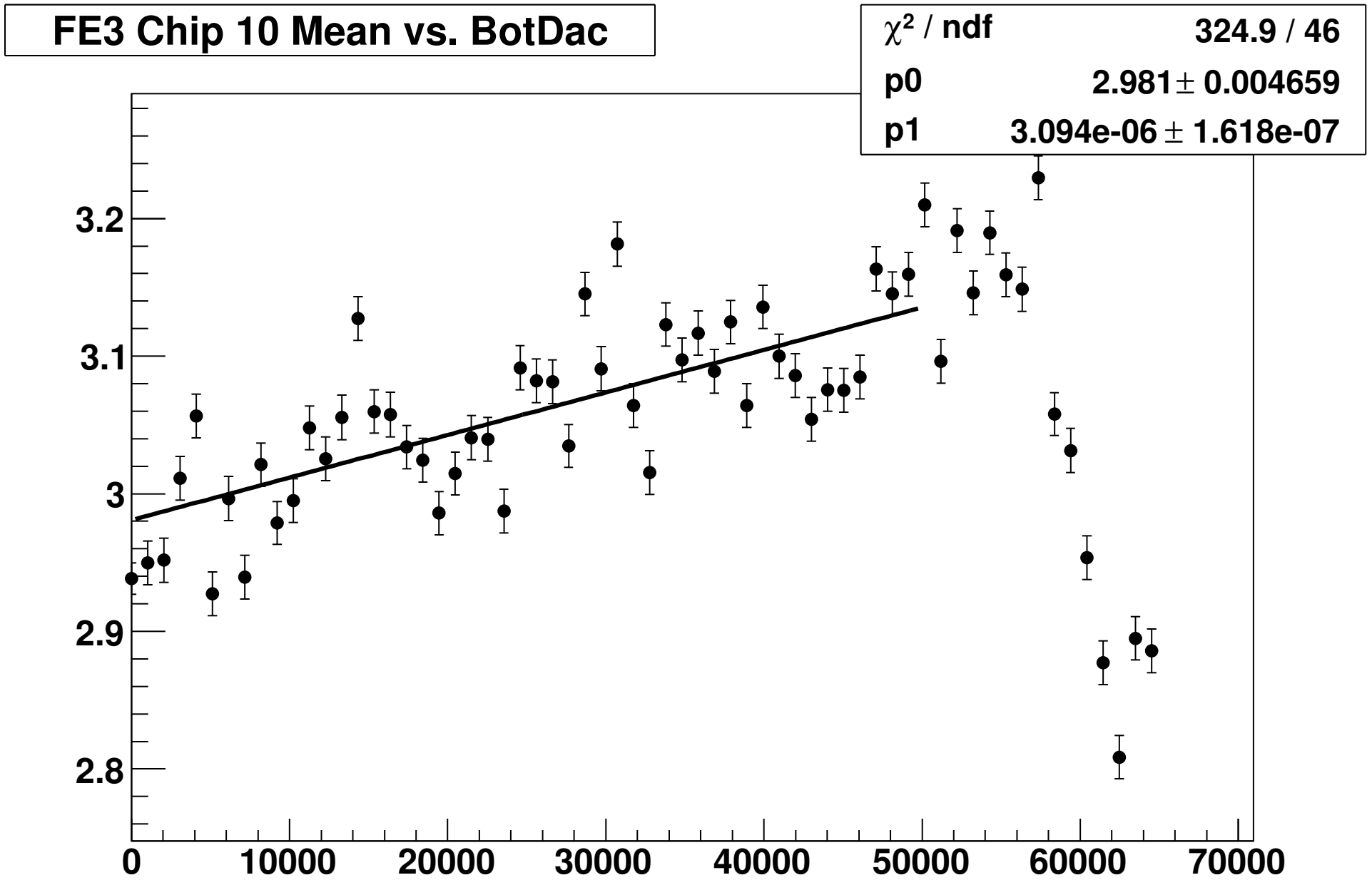
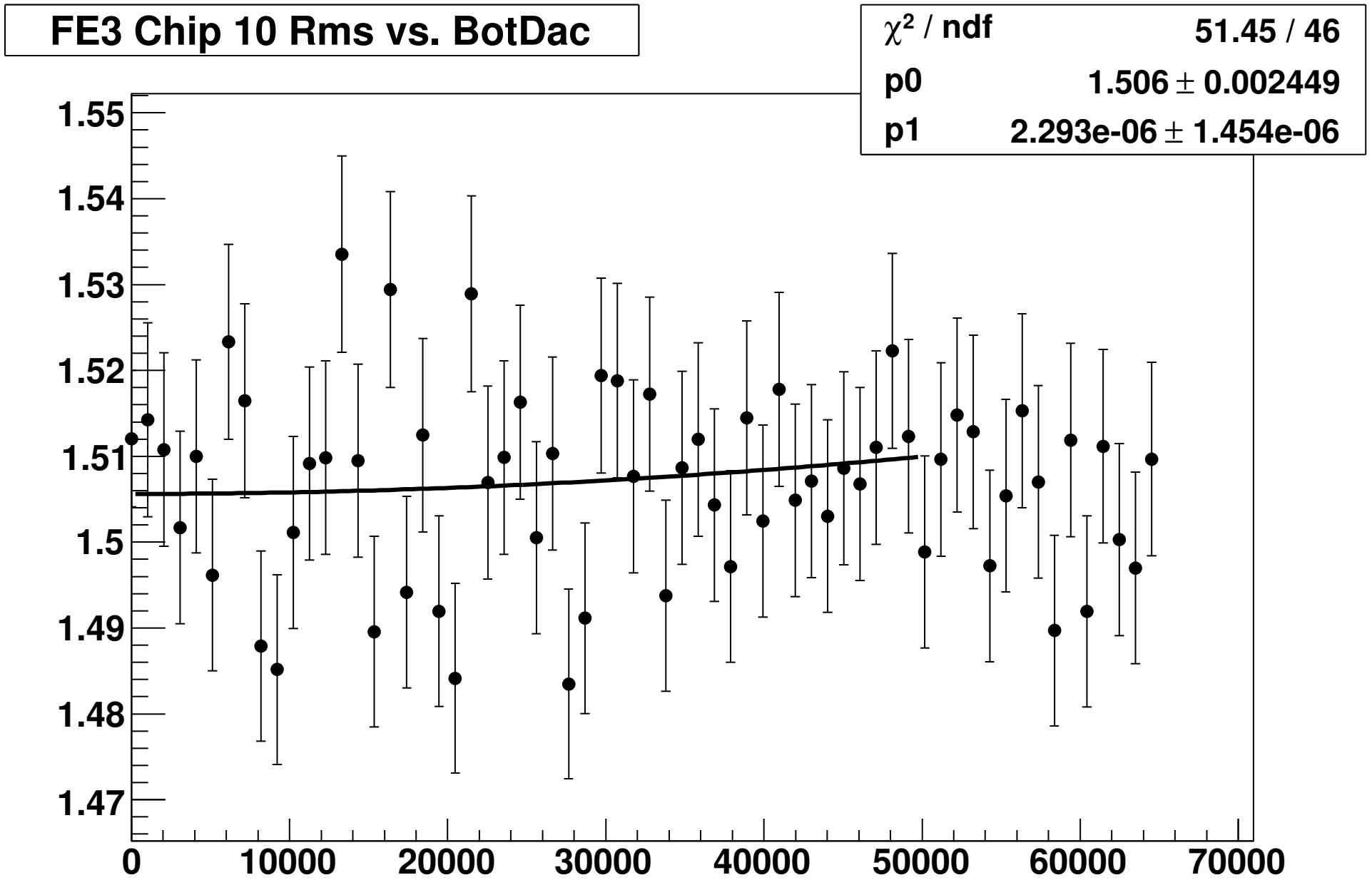

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 324.9 / 46
p0 2.981 ± 0.004659
p1 3.094e-06 ± 1.618e-07
3.2
3.1
3
2.9
2.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 51.45 / 46
p0 1.506 ± 0.002449
p1 2.293e-06 ± 1.454e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
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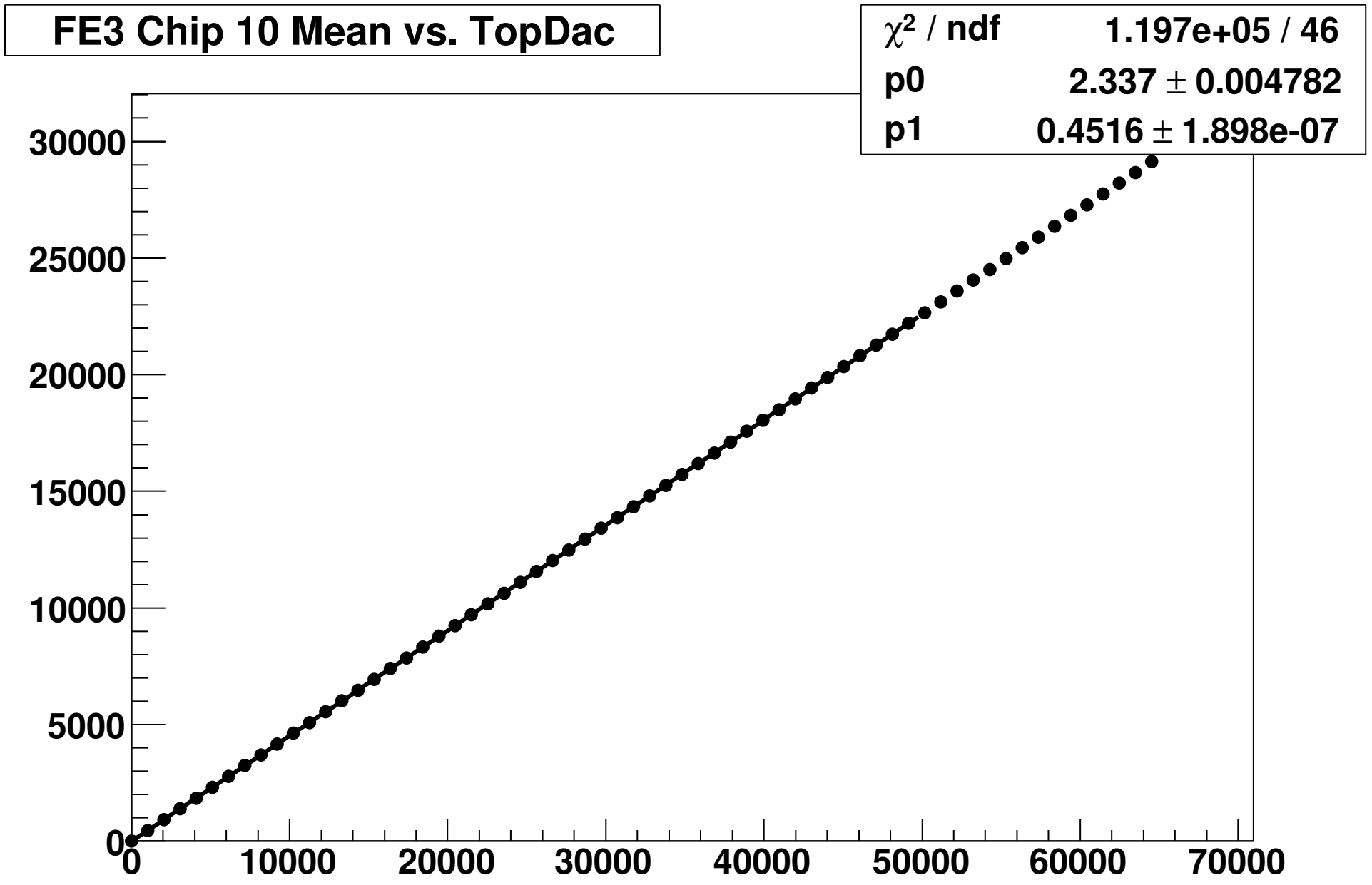
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.197e+05 / 46
p0 2.337 ± 0.004782
p1 0.4516 ± 1.898e-07
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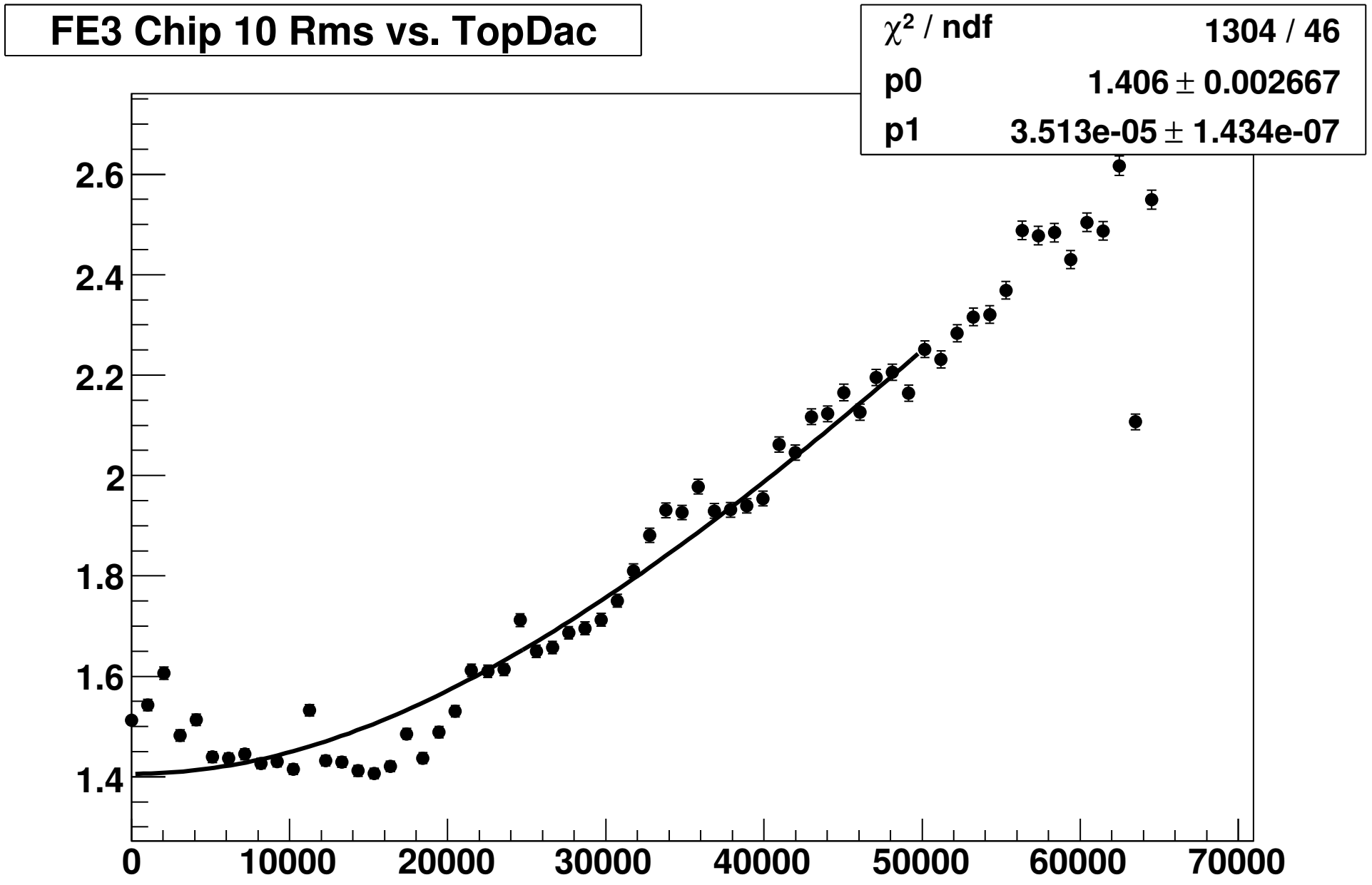
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1304 / 46
p0 1.406 ± 0.002667
p1 3.513e-05 ± 1.434e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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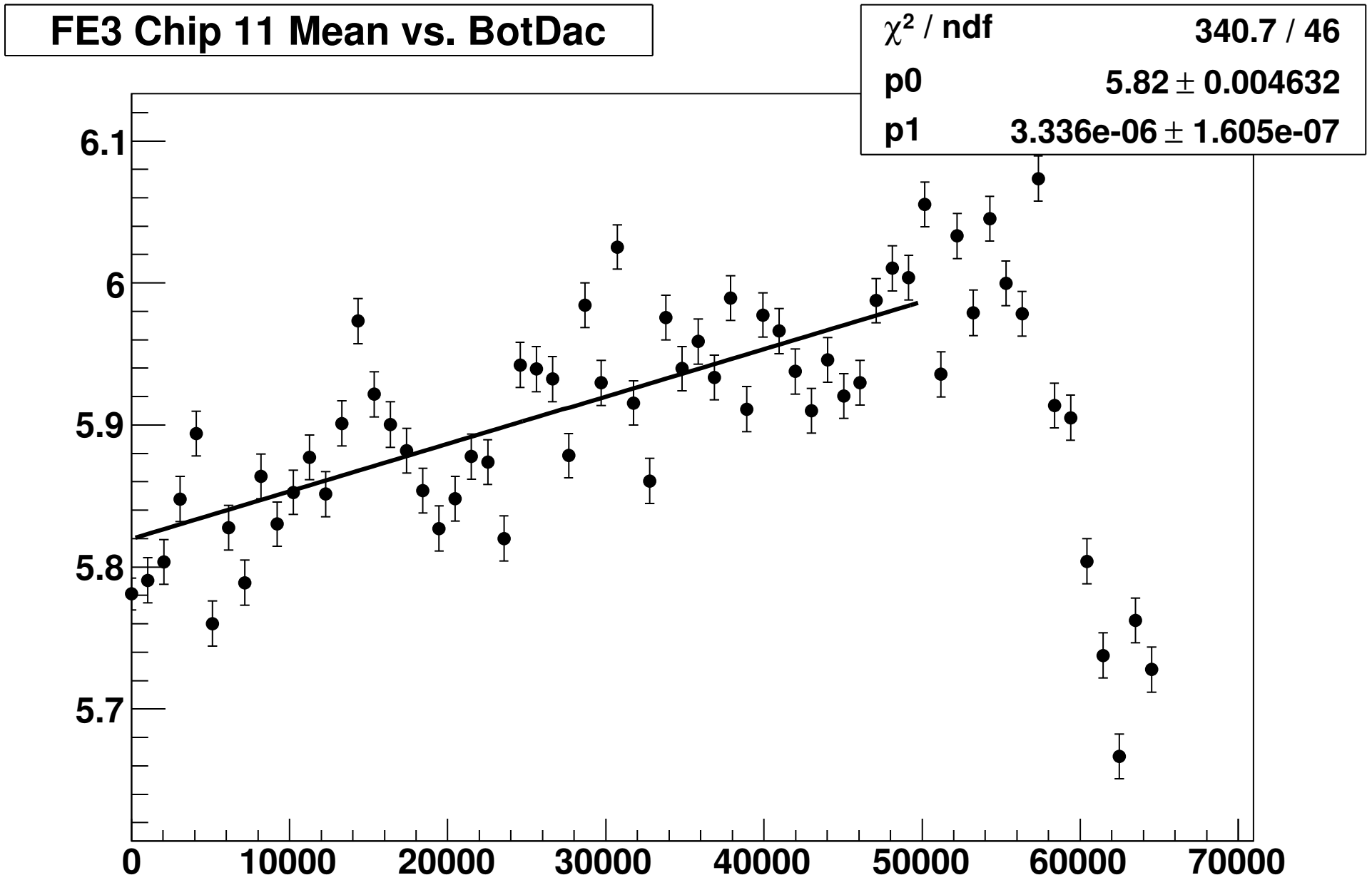
FE3 Chip 11 Mean vs. BotDac
χ² / ndf 340.7 / 46
p0 5.82 ± 0.004632
p1 3.336e-06 ± 1.605e-07
6.1
6
5.9
5.8
5.7
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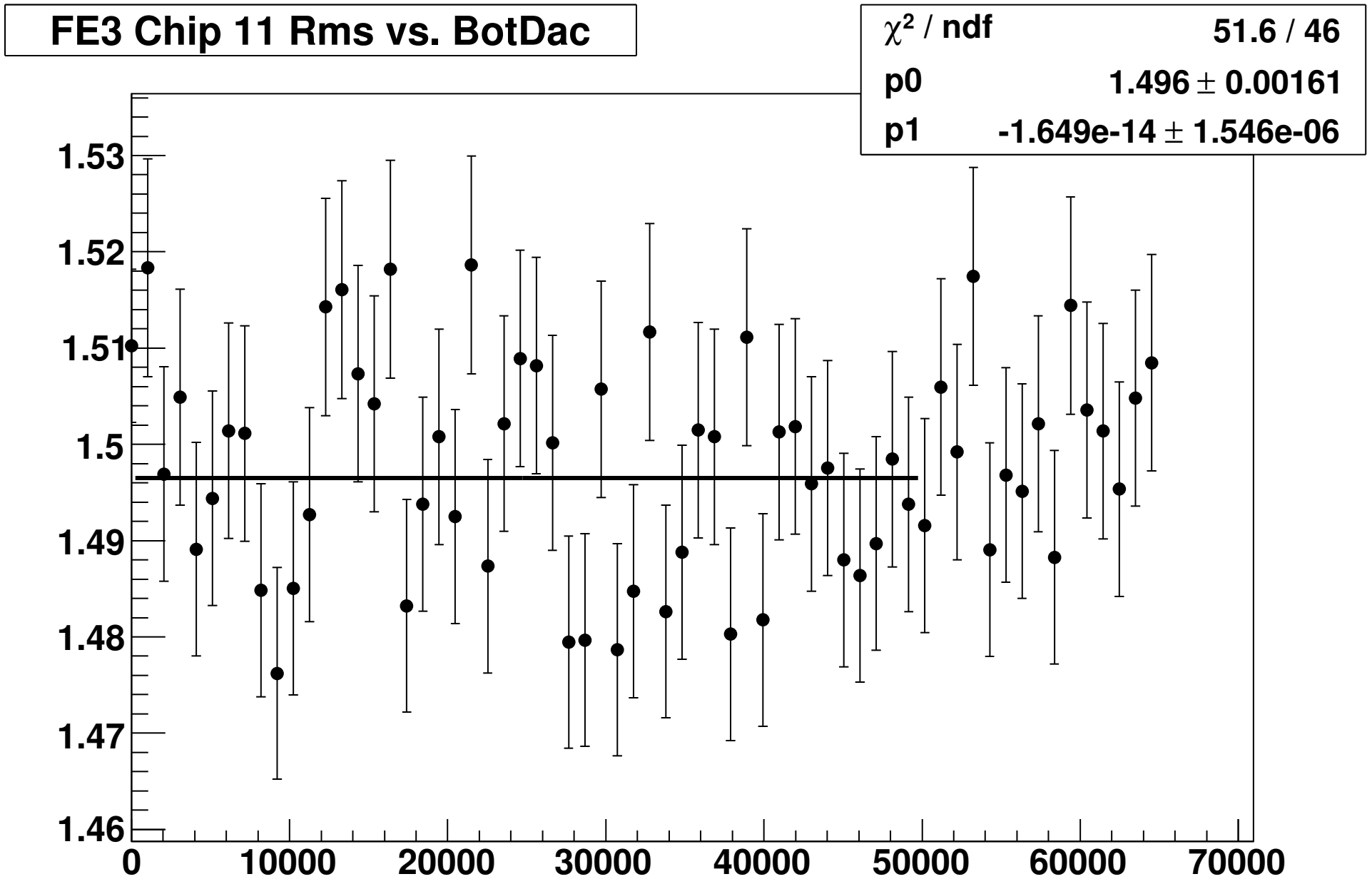
FE3 Chip 11 Rms vs. BotDac
χ² / ndf 51.6 / 46
p0 1.496 ± 0.00161
p1 -1.649e-14 ± 1.546e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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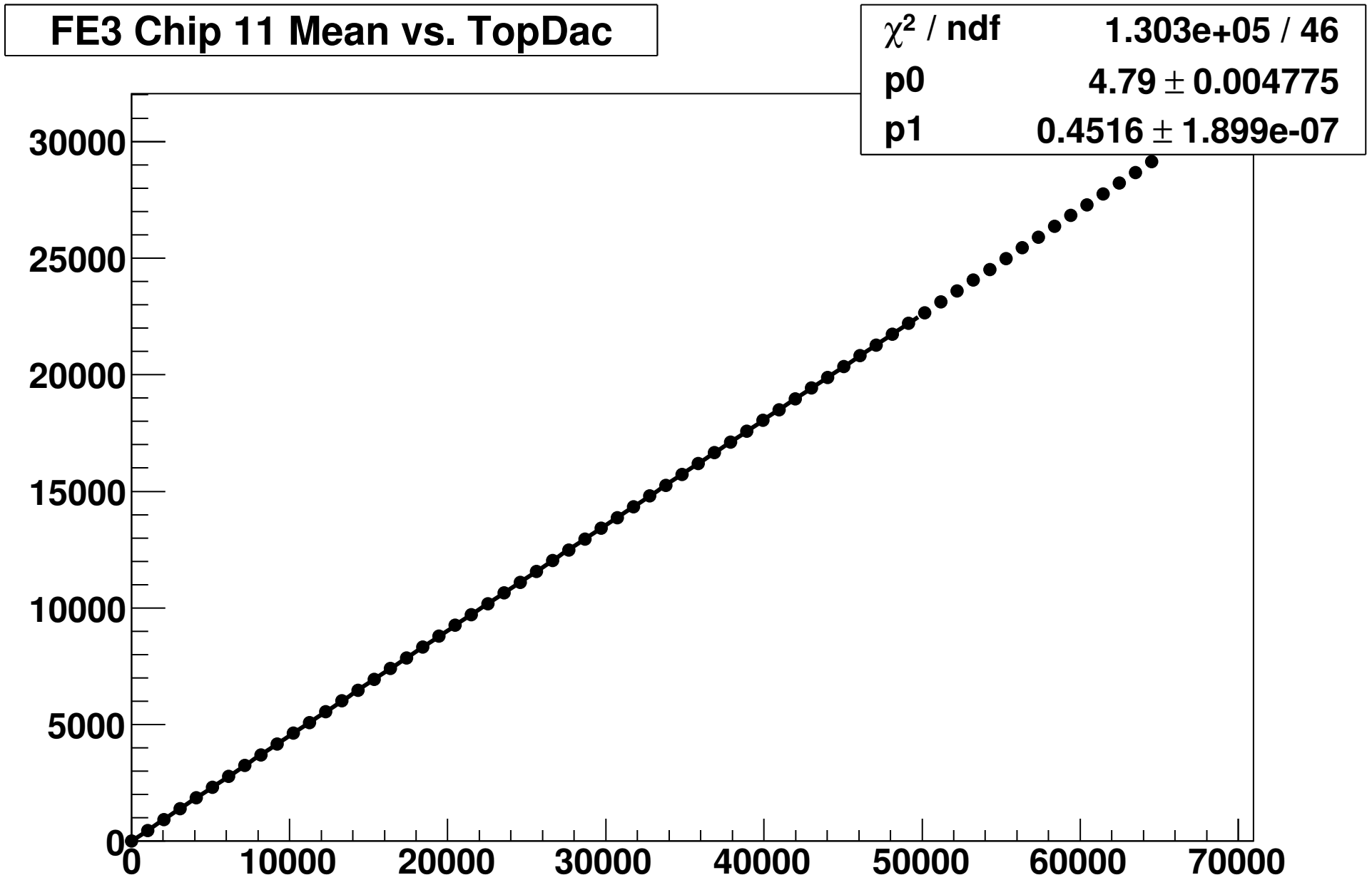
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.303e+05 / 46
p0 4.79 ± 0.004775
p1 0.4516 ± 1.899e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
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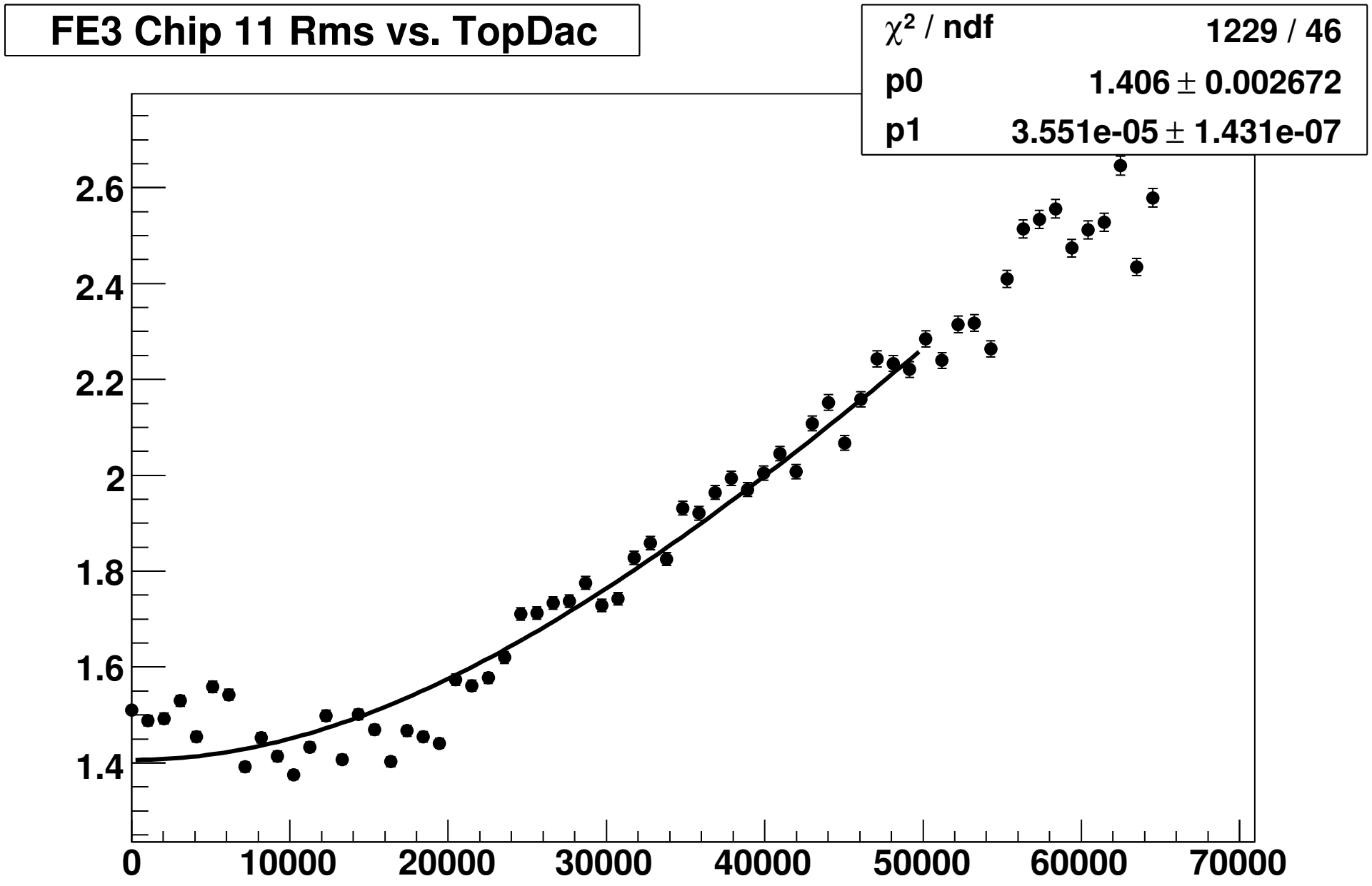
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1229 / 46
p0 1.406 ± 0.002672
p1 3.551e-05 ± 1.431e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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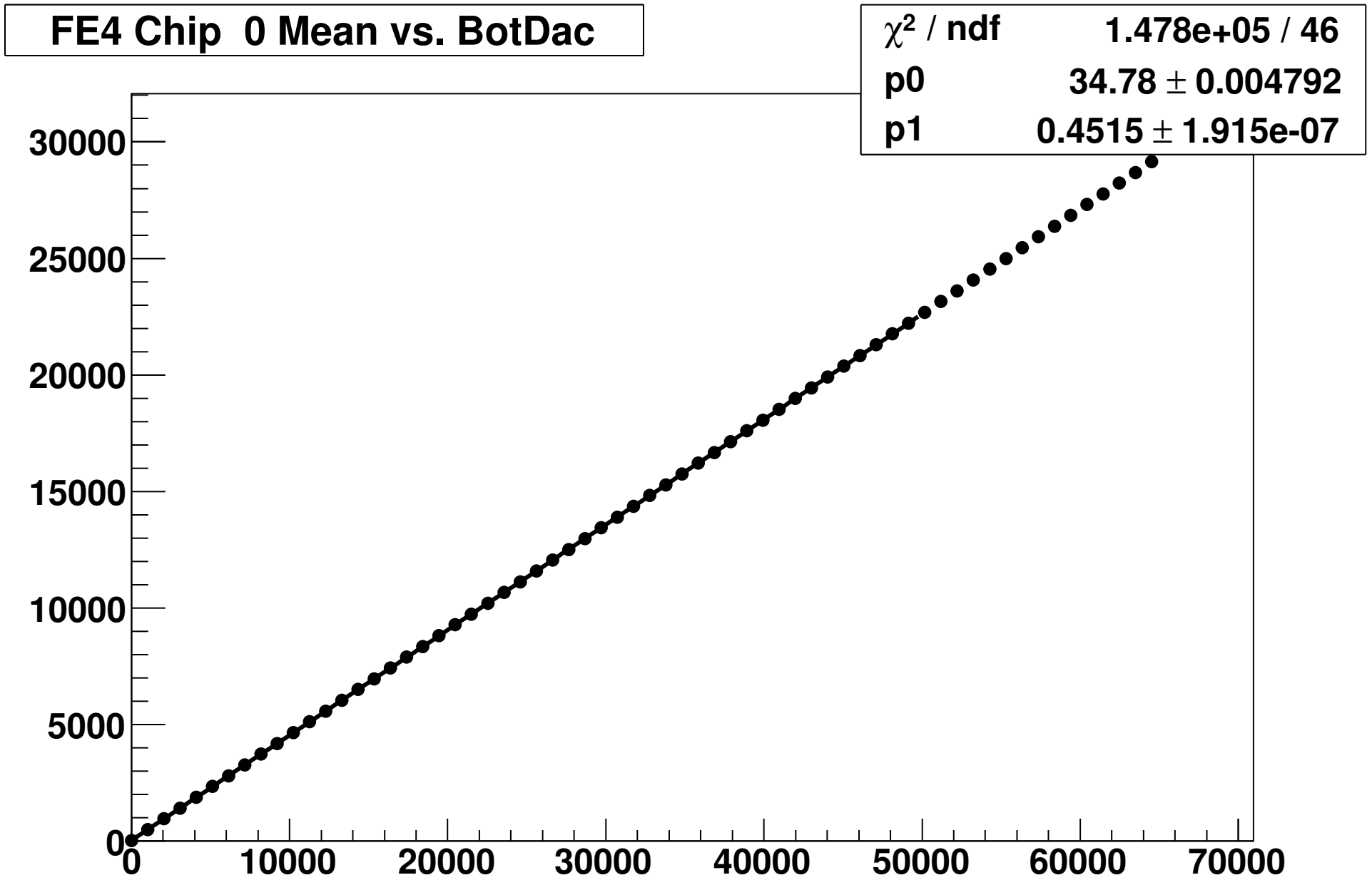
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 1.478e+05 / 46
p0 34.78 ± 0.004792
p1 0.4515 ± 1.915e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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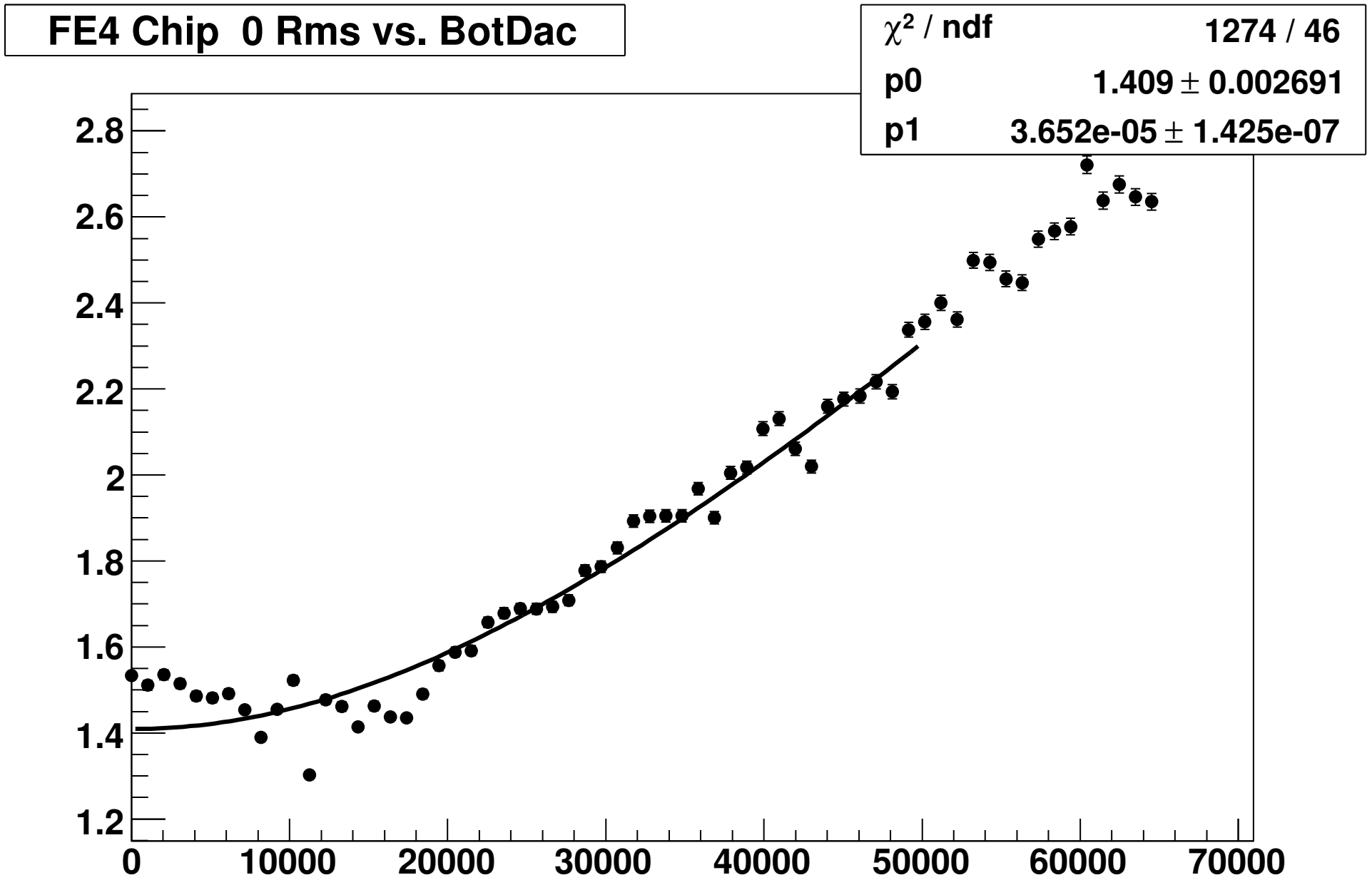
FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1274 / 46
p0 1.409 ± 0.002691
p1 3.652e-05 ± 1.425e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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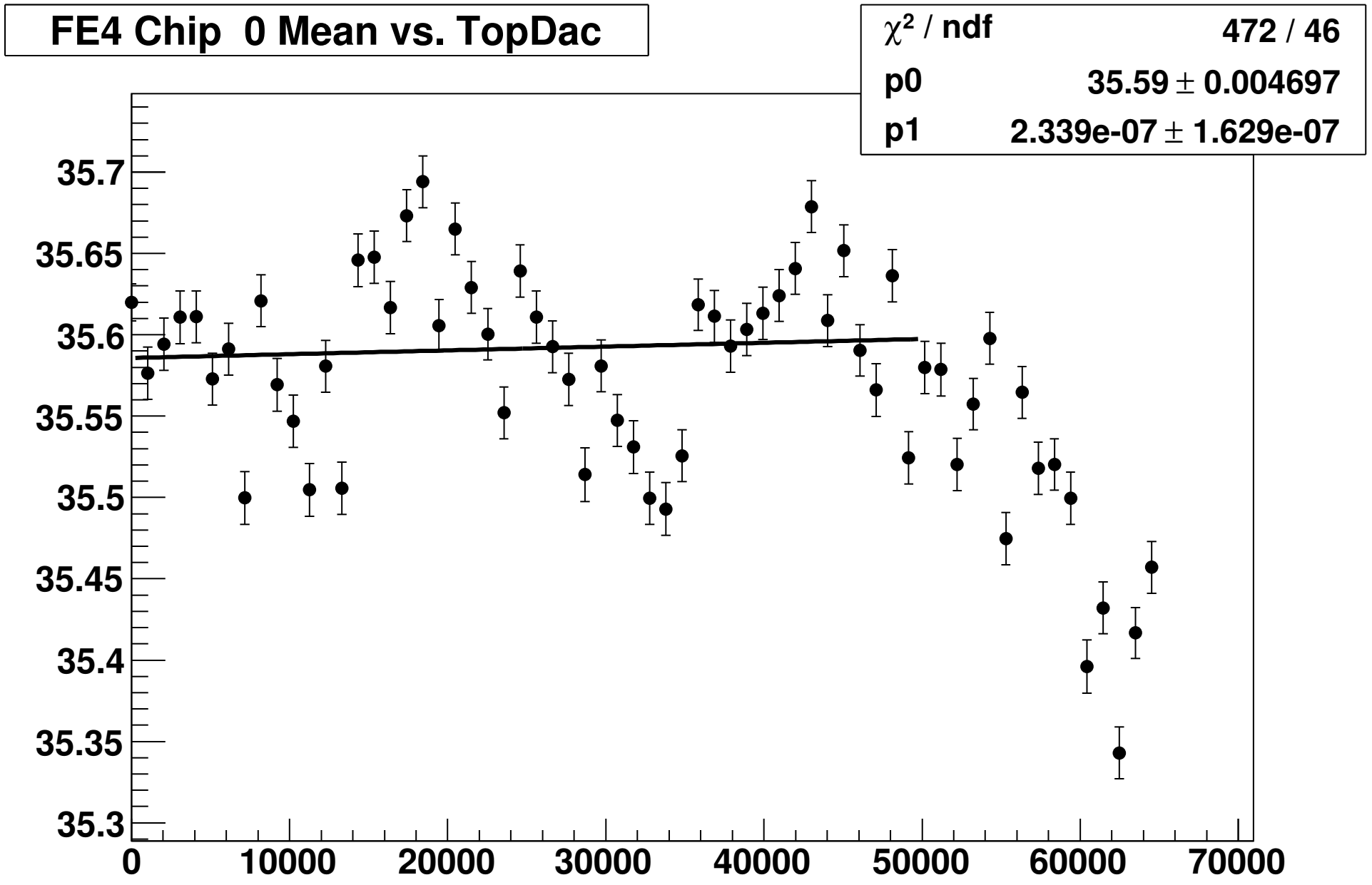
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 472 / 46
p0 35.59 ± 0.004697
p1 2.339e-07 ± 1.629e-07
35.7
35.65
35.6
35.55
35.5
35.45
35.4
35.35
35.3
0
10000
20000
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50000
60000
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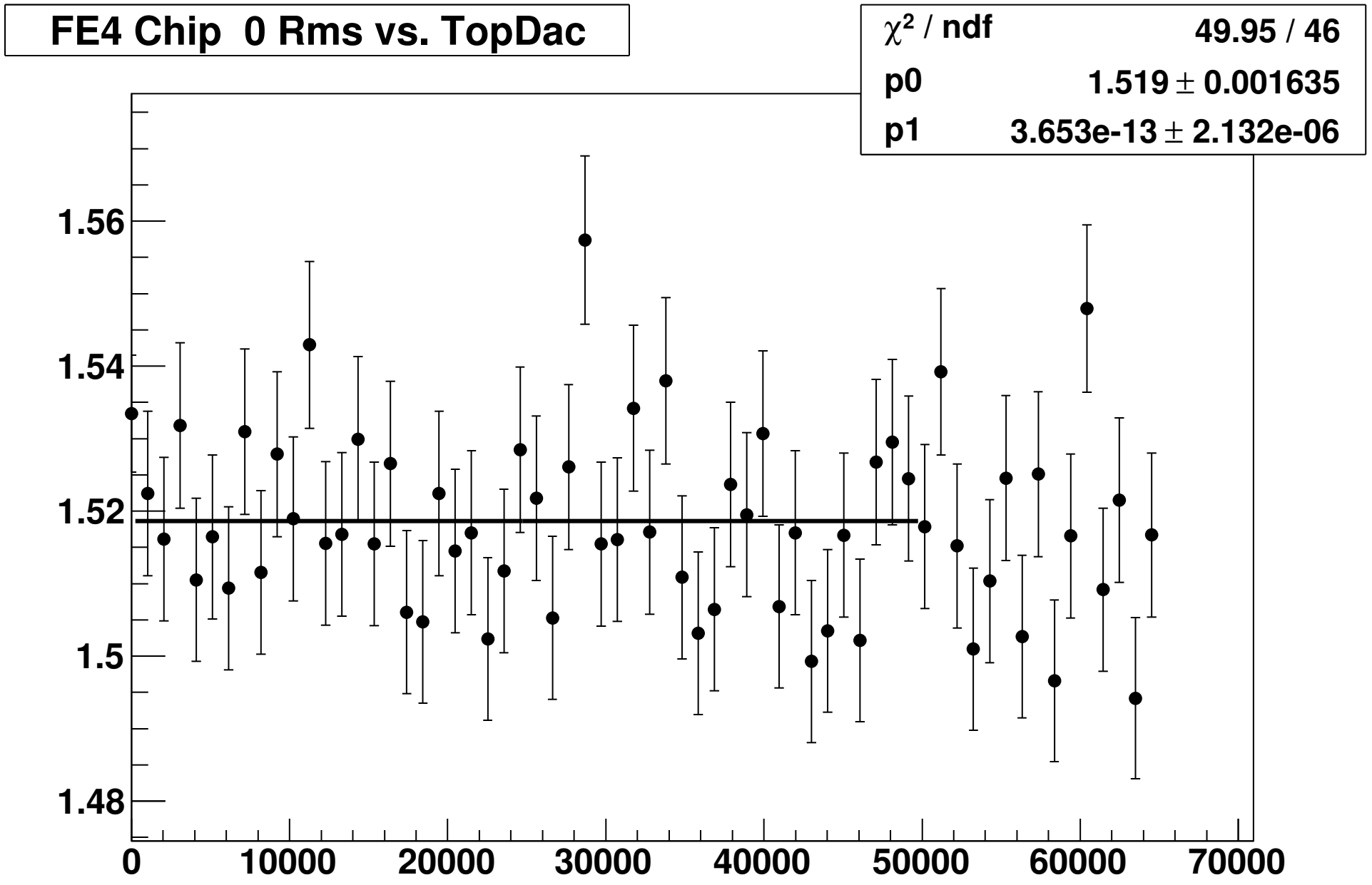
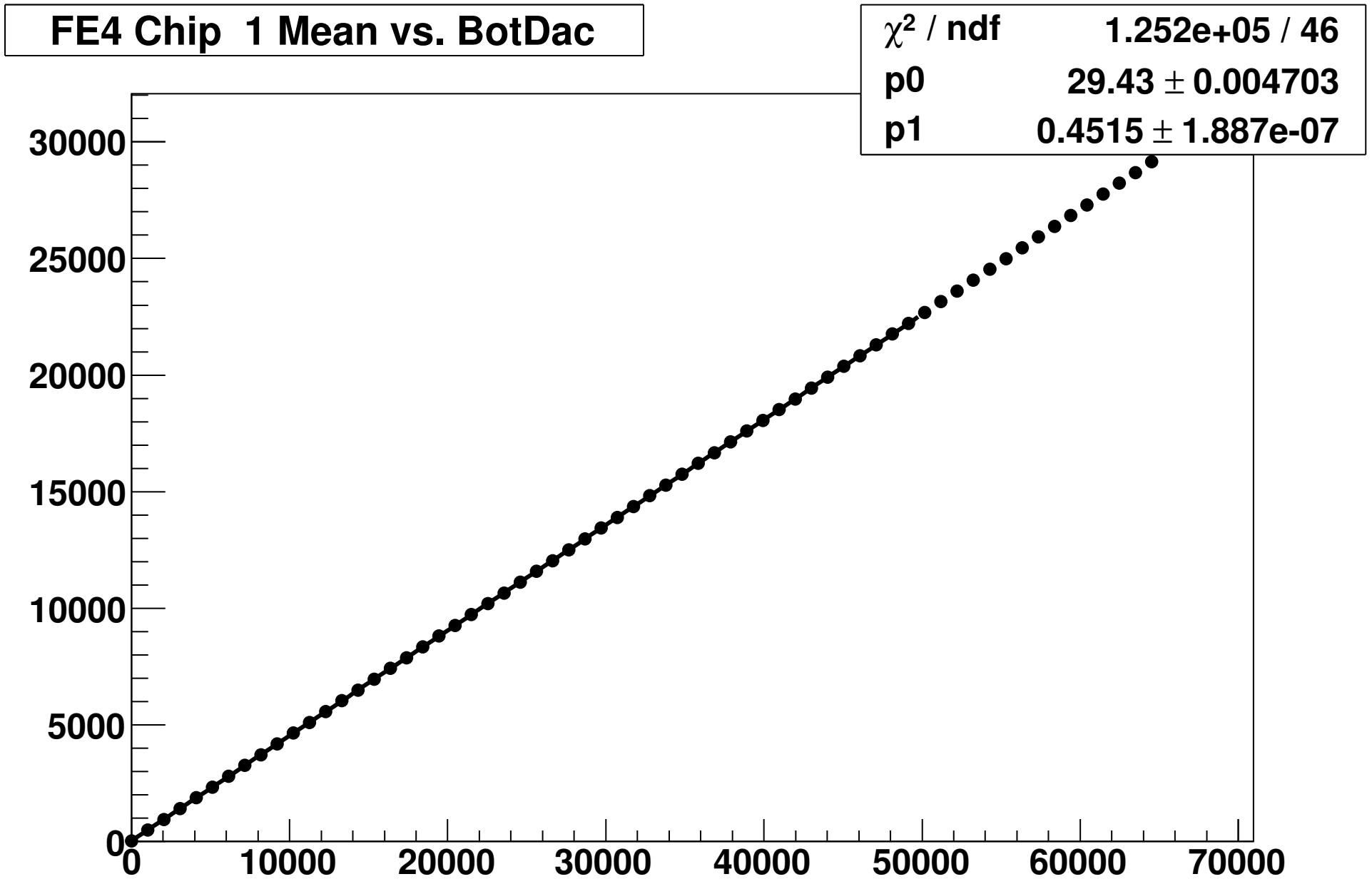

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 49.95 / 46
p0 1.519 ± 0.001635
p1 3.653e-13 ± 2.132e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.252e+05 / 46
p0 29.43 ± 0.004703
p1 0.4515 ± 1.887e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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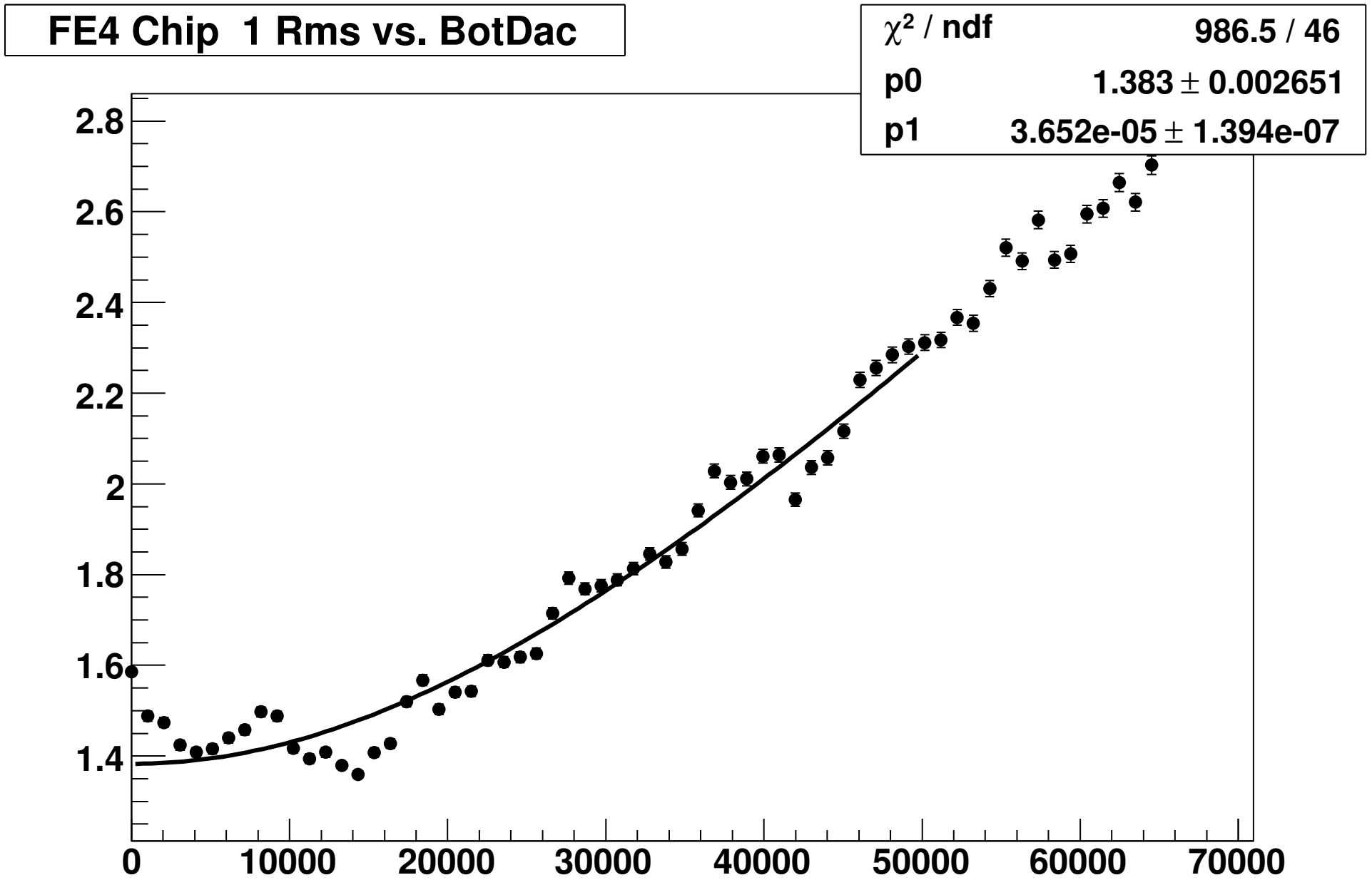
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 986.5 / 46
p0 1.383 ± 0.002651
p1 3.652e-05 ± 1.394e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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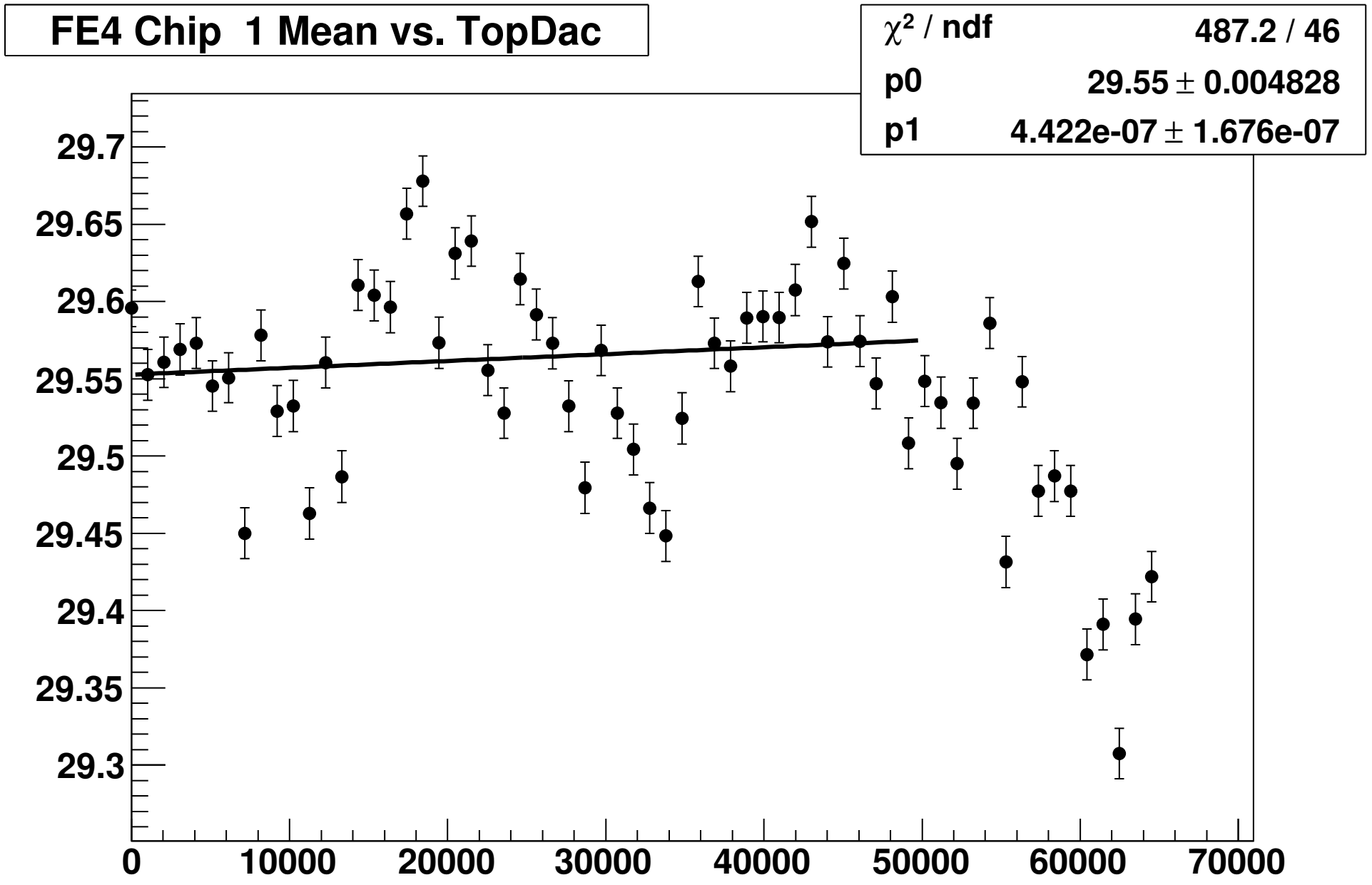
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 487.2 / 46
p0 29.55 ± 0.004828
p1 4.422e-07 ± 1.676e-07
29.7
29.65
29.6
29.55
29.5
29.45
29.4
29.35
29.3
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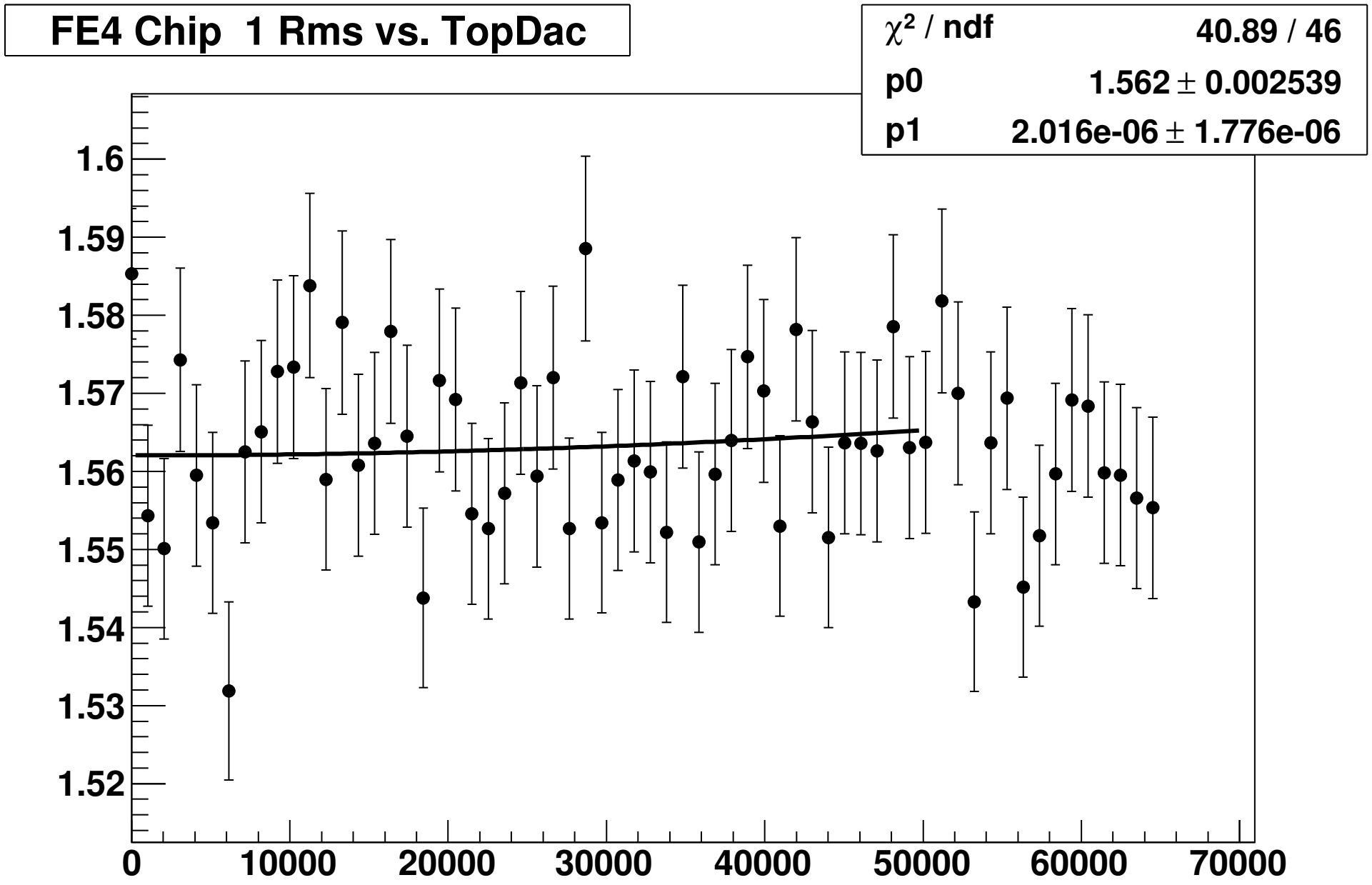
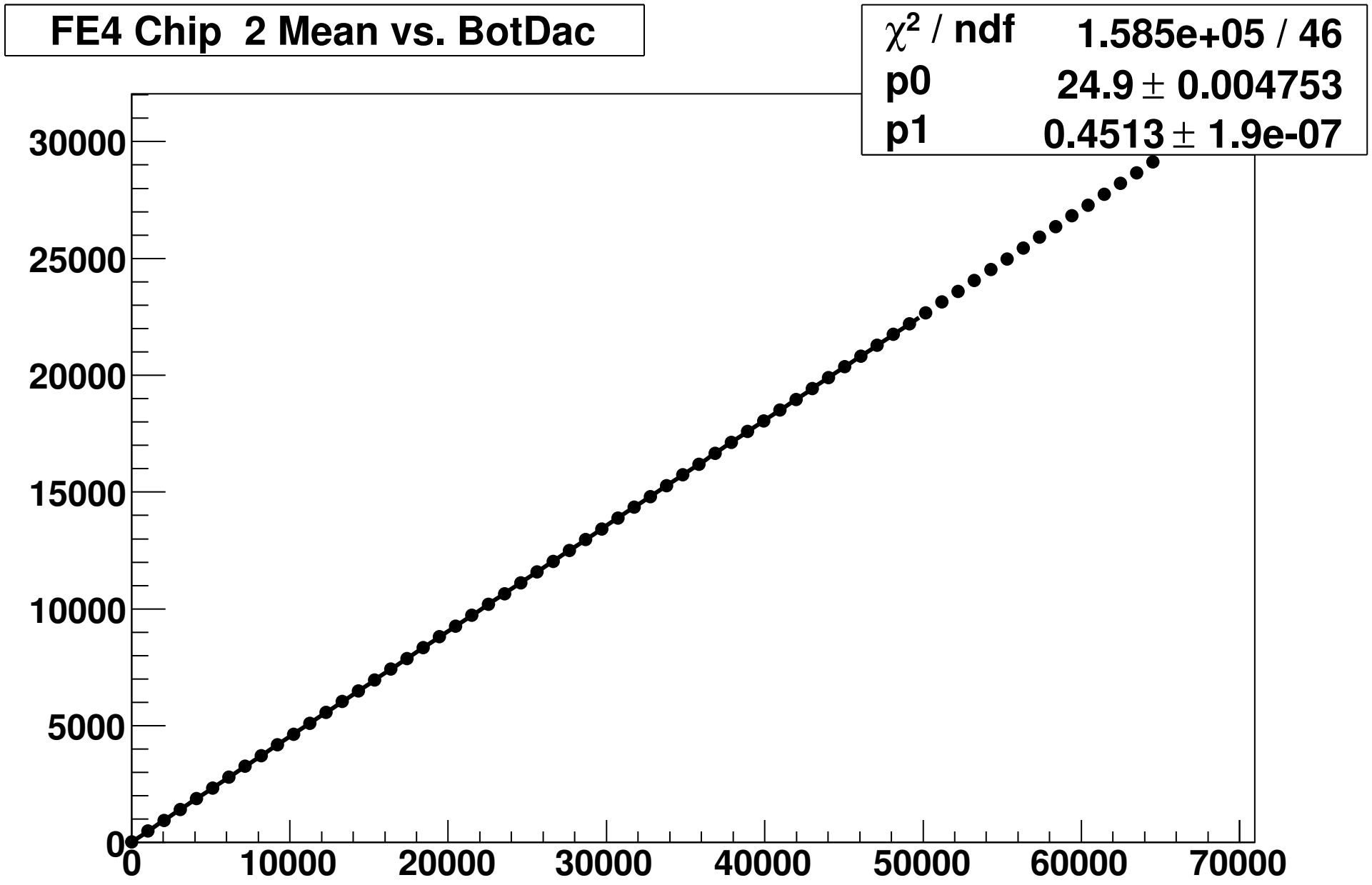

FE4 Chip 1 Rms vs. TopDac
χ² / ndf 40.89 / 46
p0 1.562 ± 0.002539
p1 2.016e-06 ± 1.776e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.585e+05 / 46
p0 24.9 ± 0.004753
p1 0.4513 ± 1.9e-07
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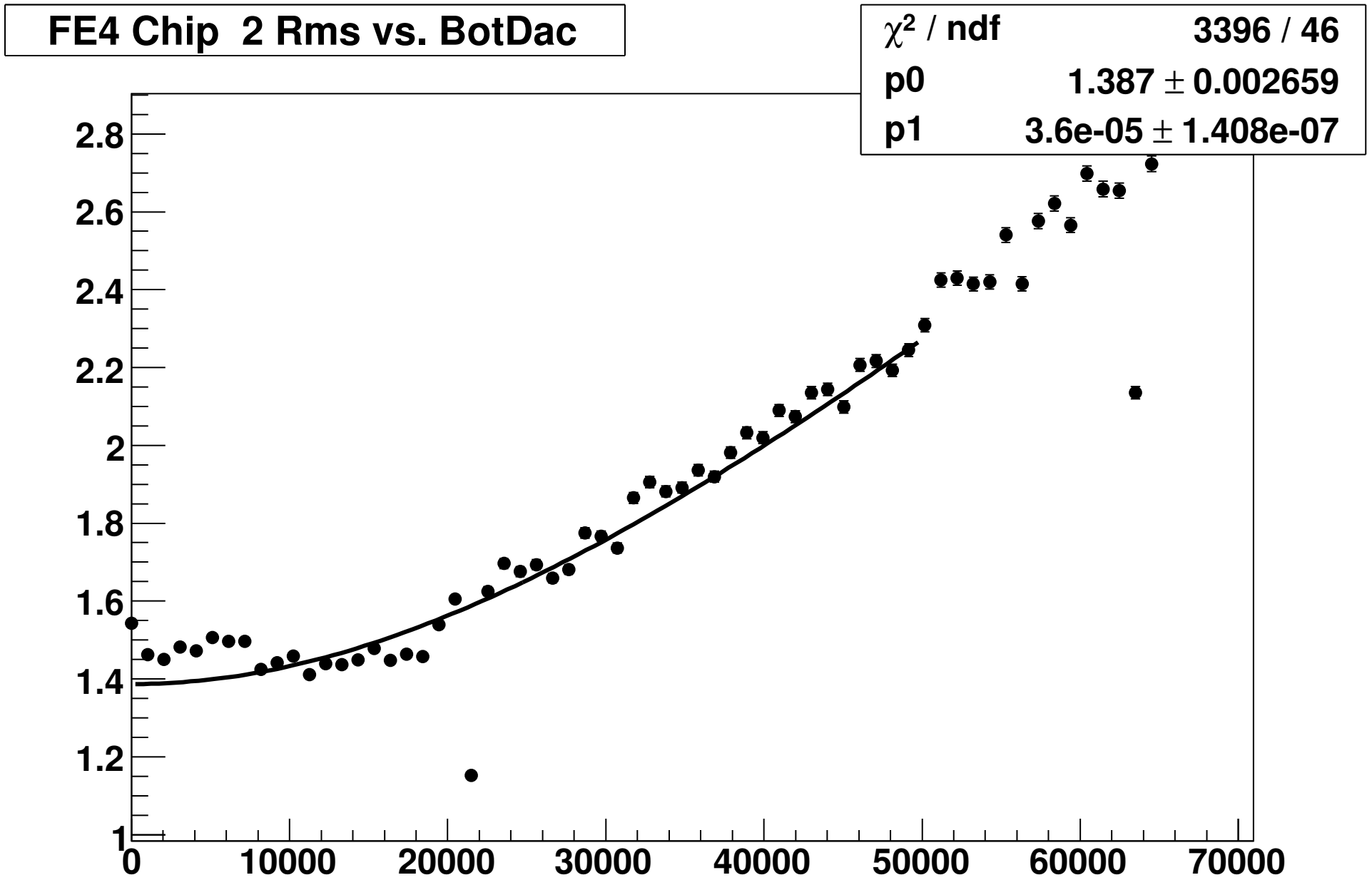
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 3396 / 46
p0 1.387 ± 0.002659
p1 3.6e-05 ± 1.408e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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60000
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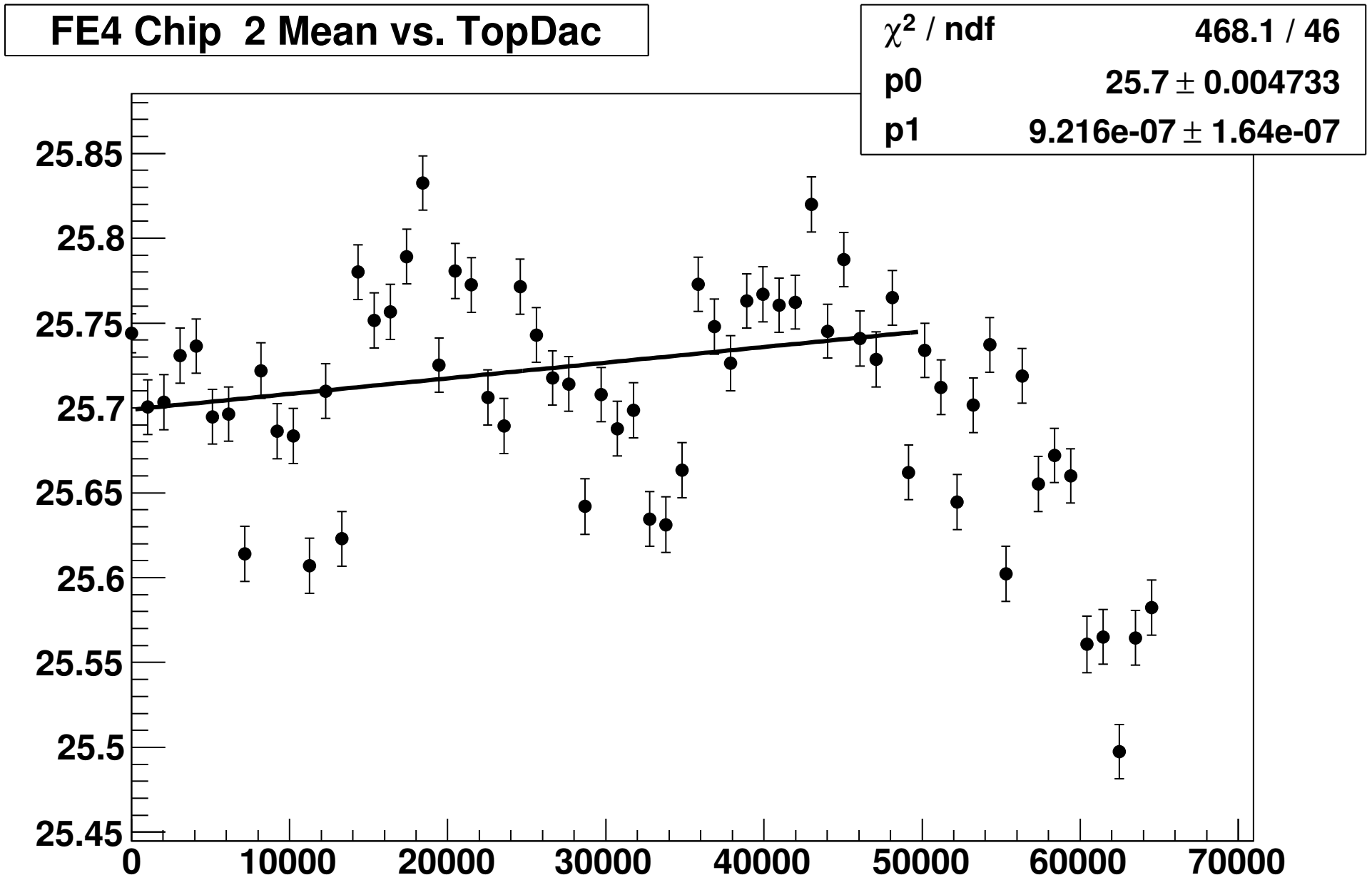
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 468.1 / 46
p0 25.7 ± 0.004733
p1 9.216e-07 ± 1.64e-07
25.85
25.8
25.75
25.7
25.65
25.6
25.55
25.5
25.45
0
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20000
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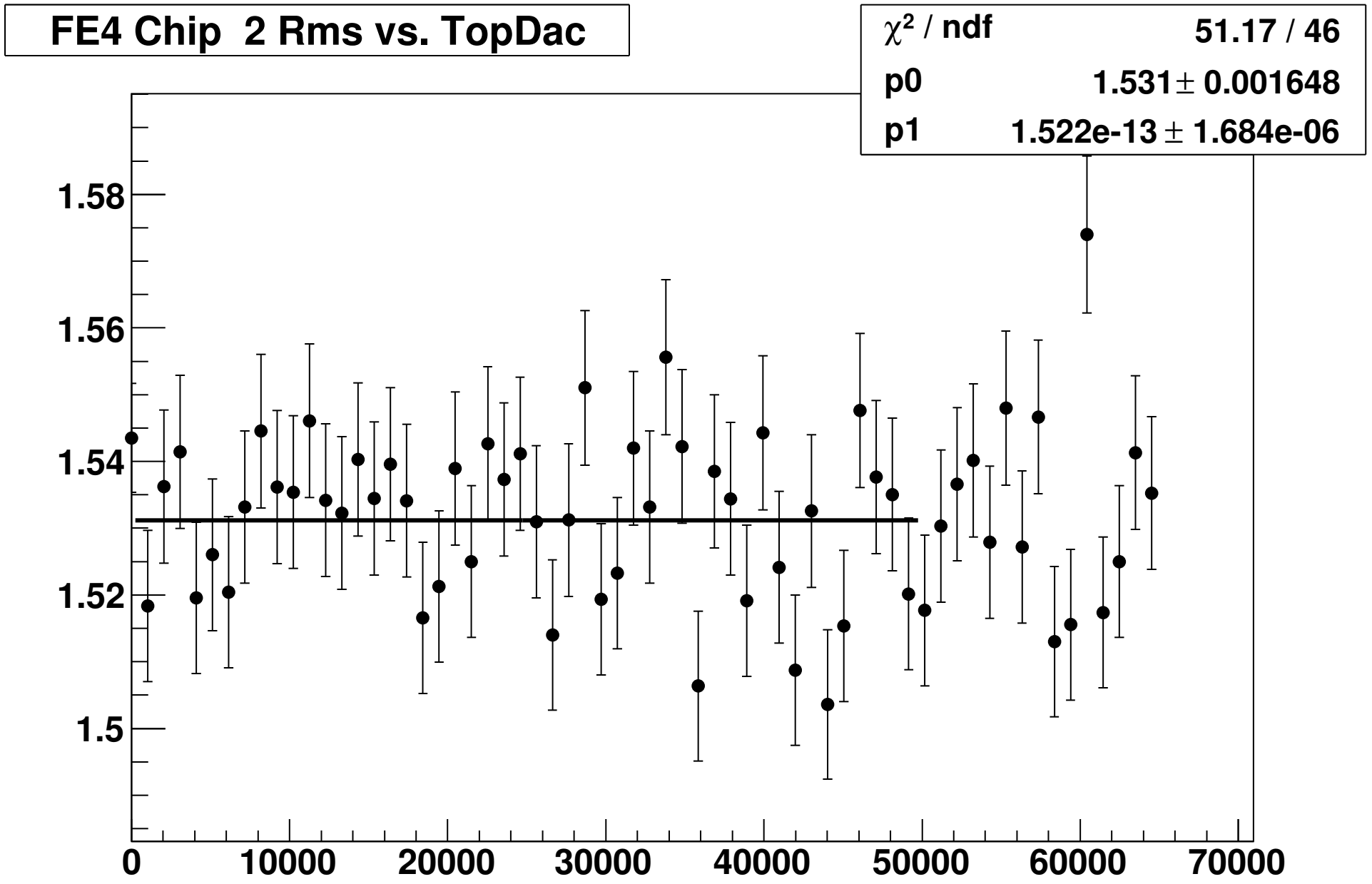
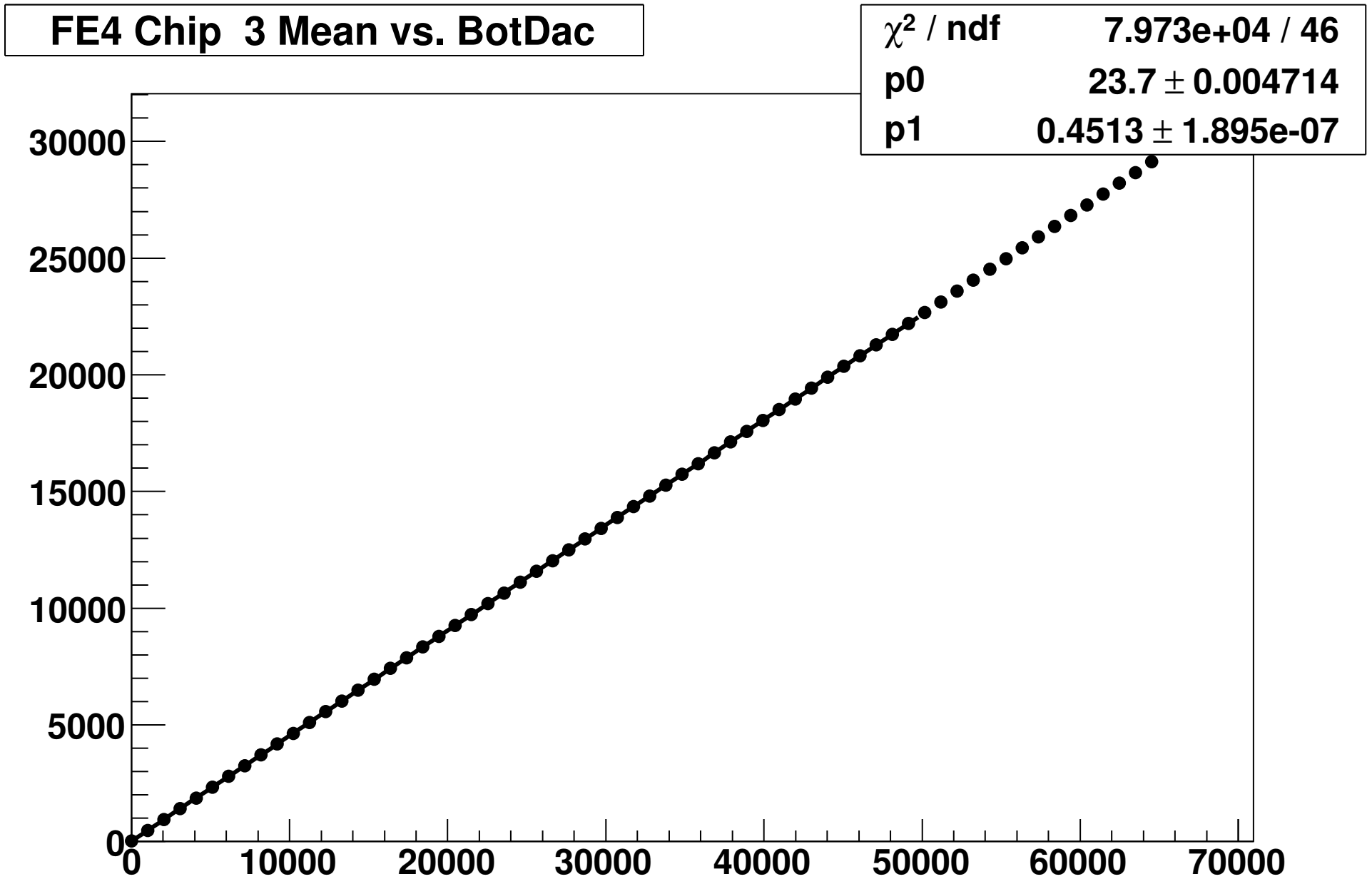
50000
60000
70000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 51.17 / 46
p0 1.531 ± 0.001648
p1 1.522e-13 ± 1.684e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 7.973e+04 / 46
p0 23.7 ± 0.004714
p1 0.4513 ± 1.895e-07
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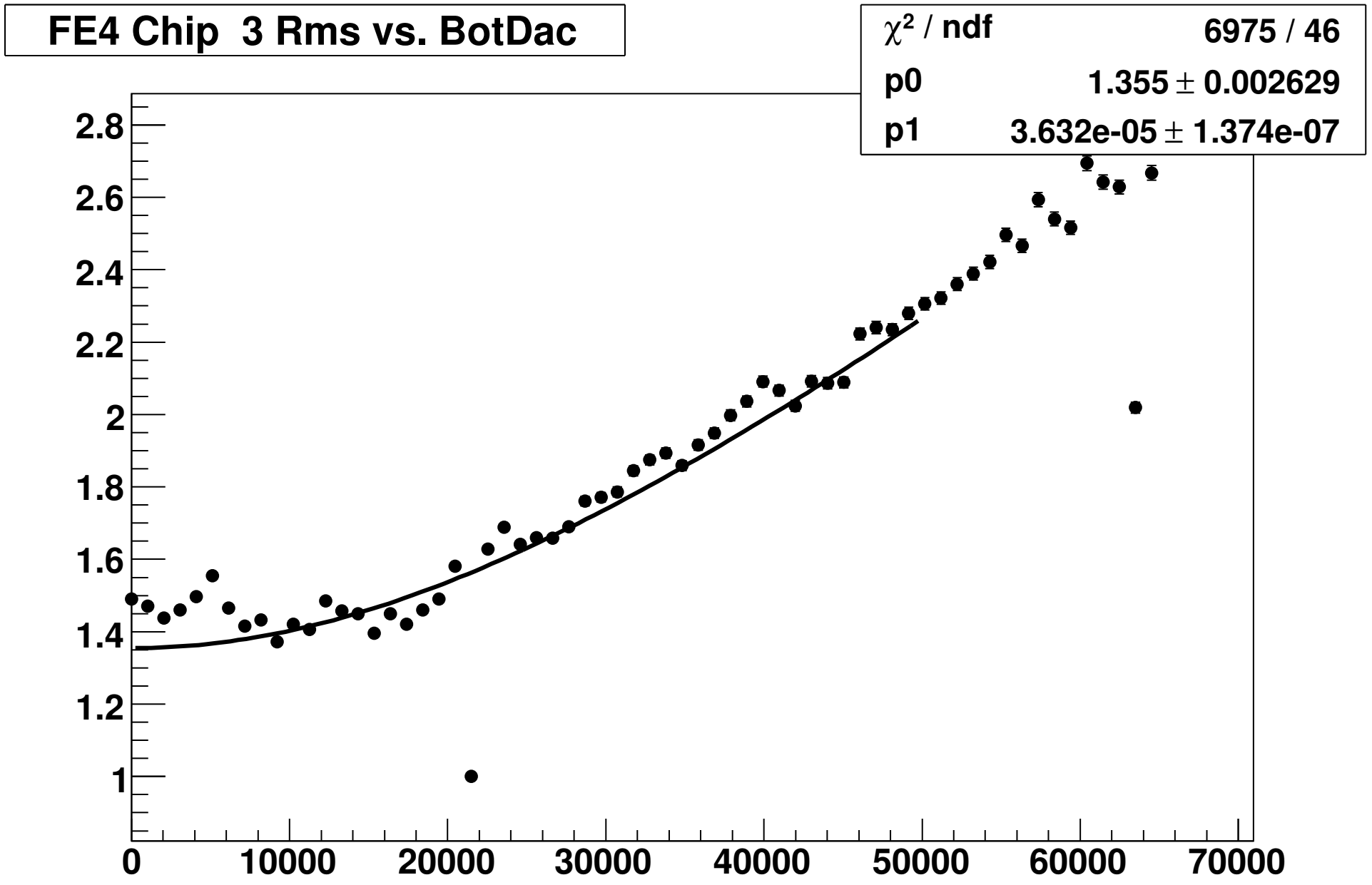
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 6975 / 46
p0 1.355 ± 0.002629
p1 3.632e-05 ± 1.374e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
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50000
60000
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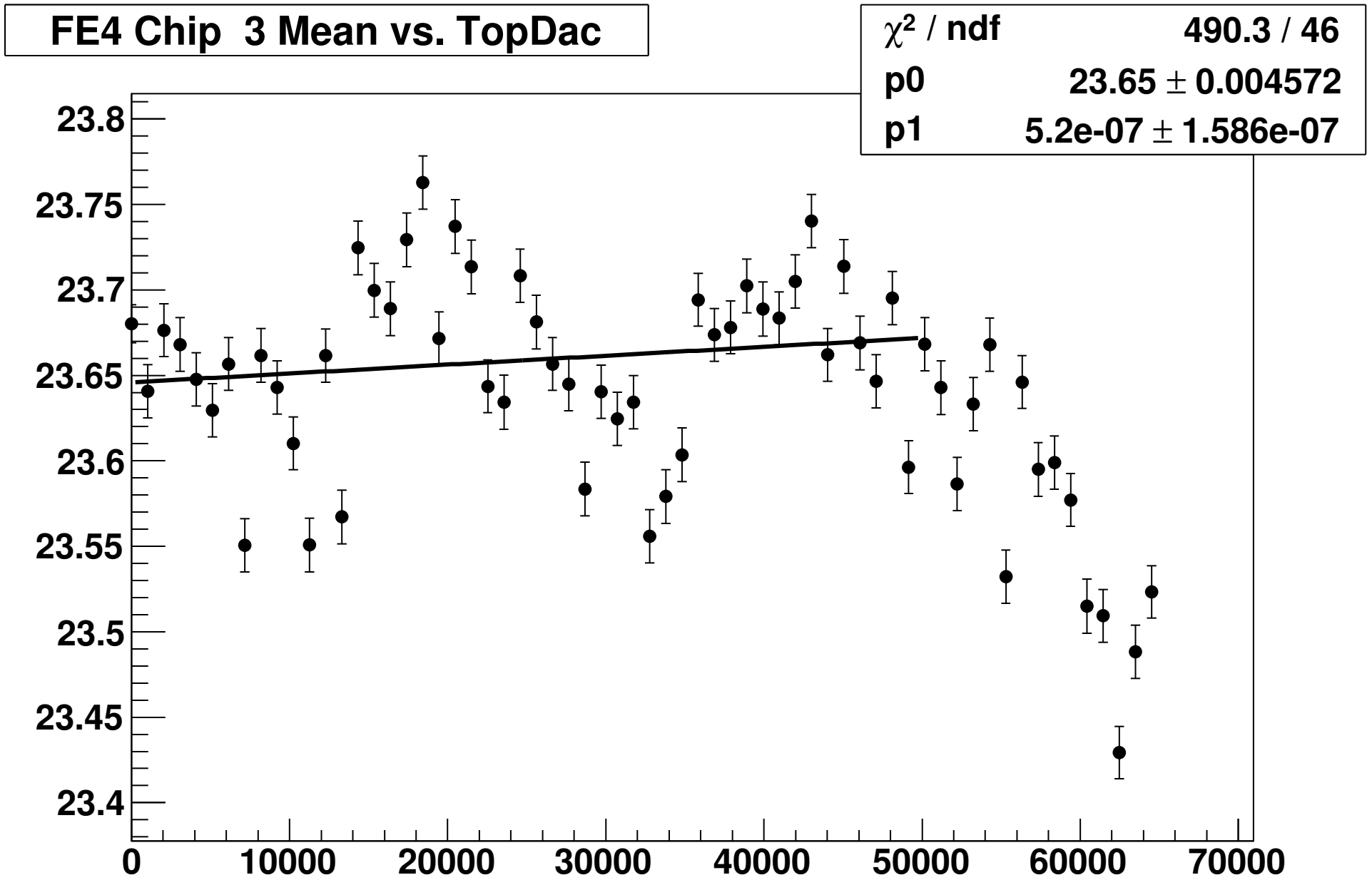
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 490.3 / 46
p0 23.65 ± 0.004572
p1 5.2e-07 ± 1.586e-07
23.8
23.75
23.7
23.65
23.6
23.55
23.5
23.45
23.4
0
10000
20000
30000
40000
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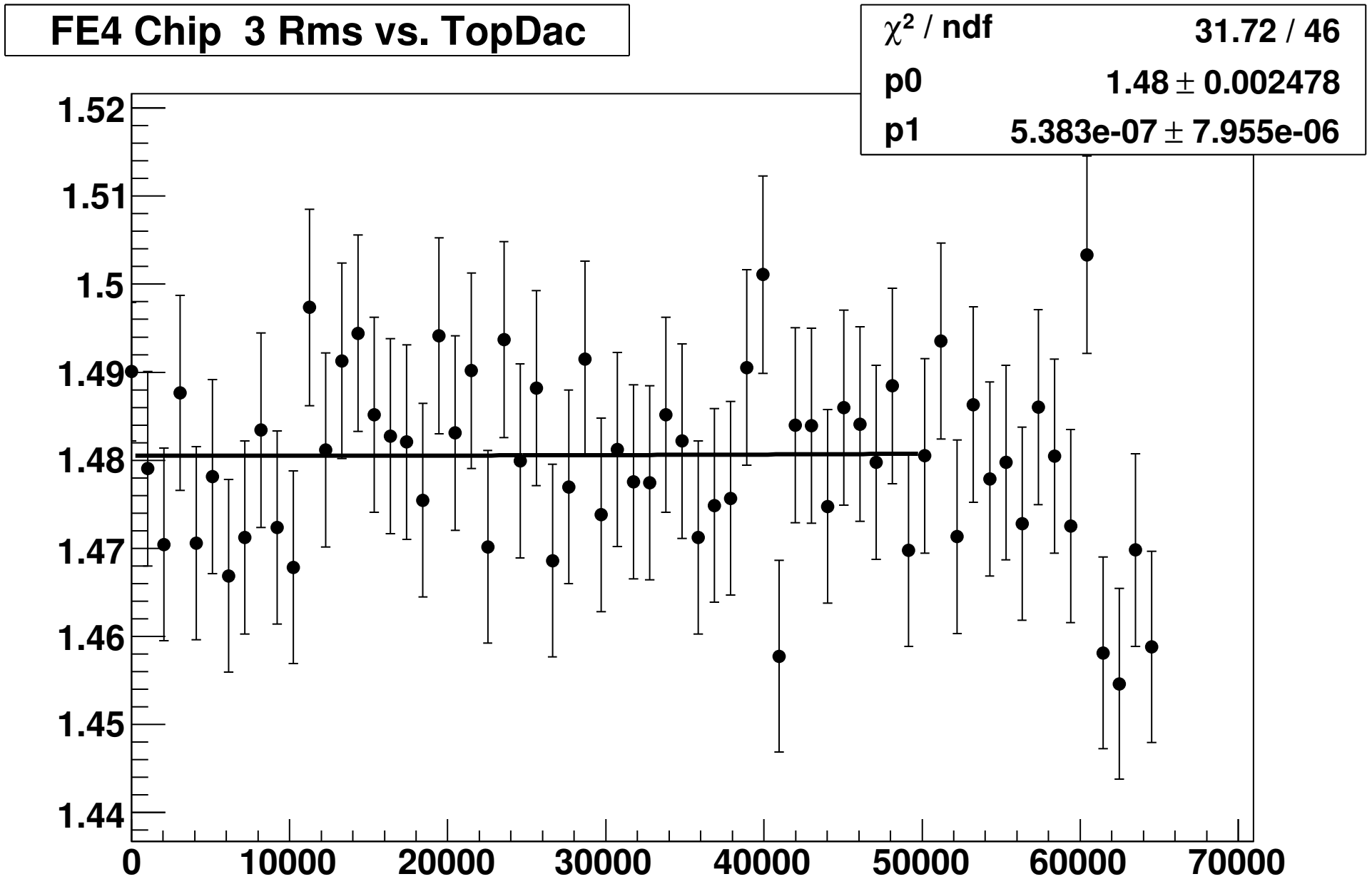
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 31.72 / 46
p0 1.48 ± 0.002478
p1 5.383e-07 ± 7.955e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
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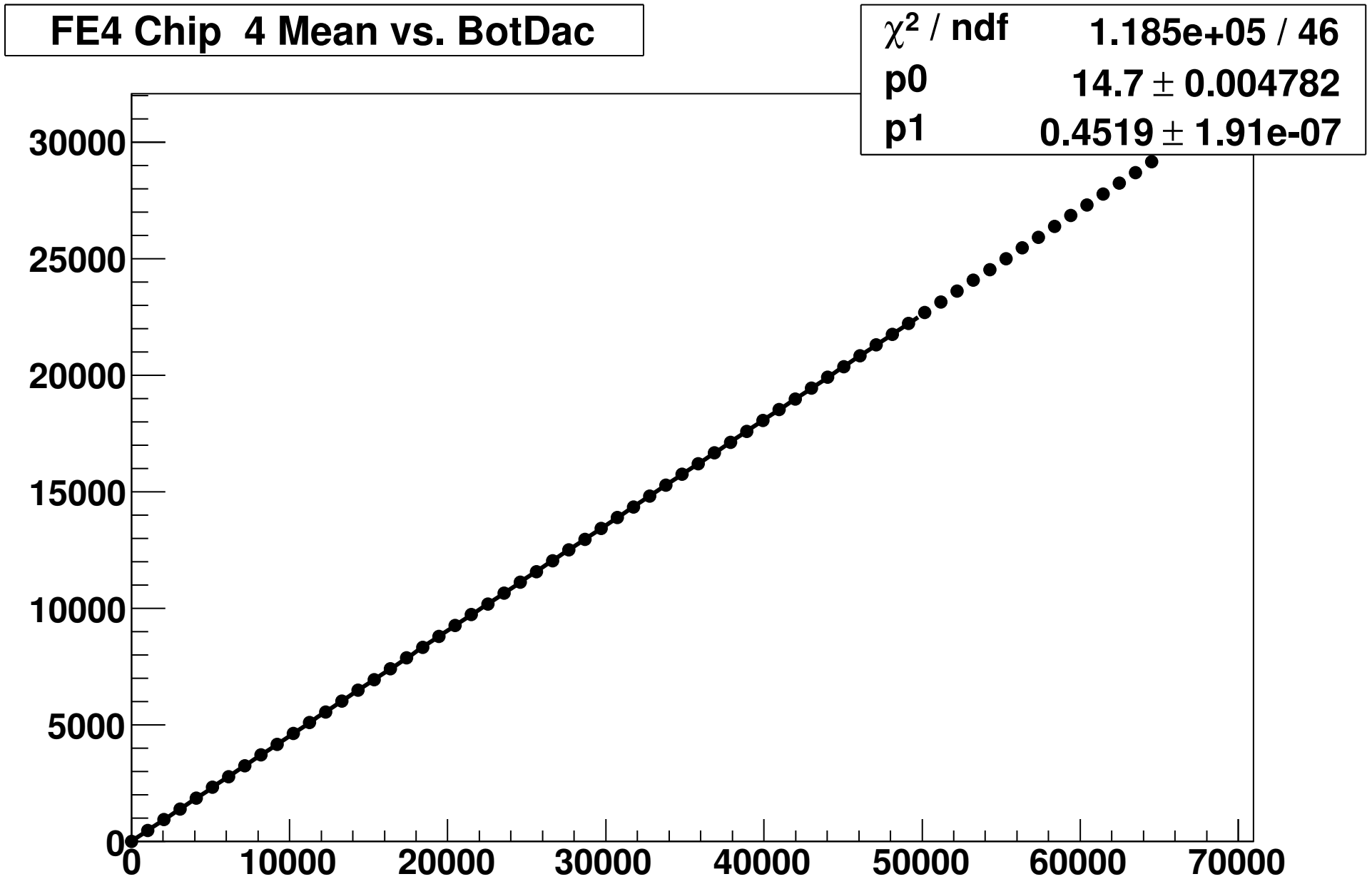
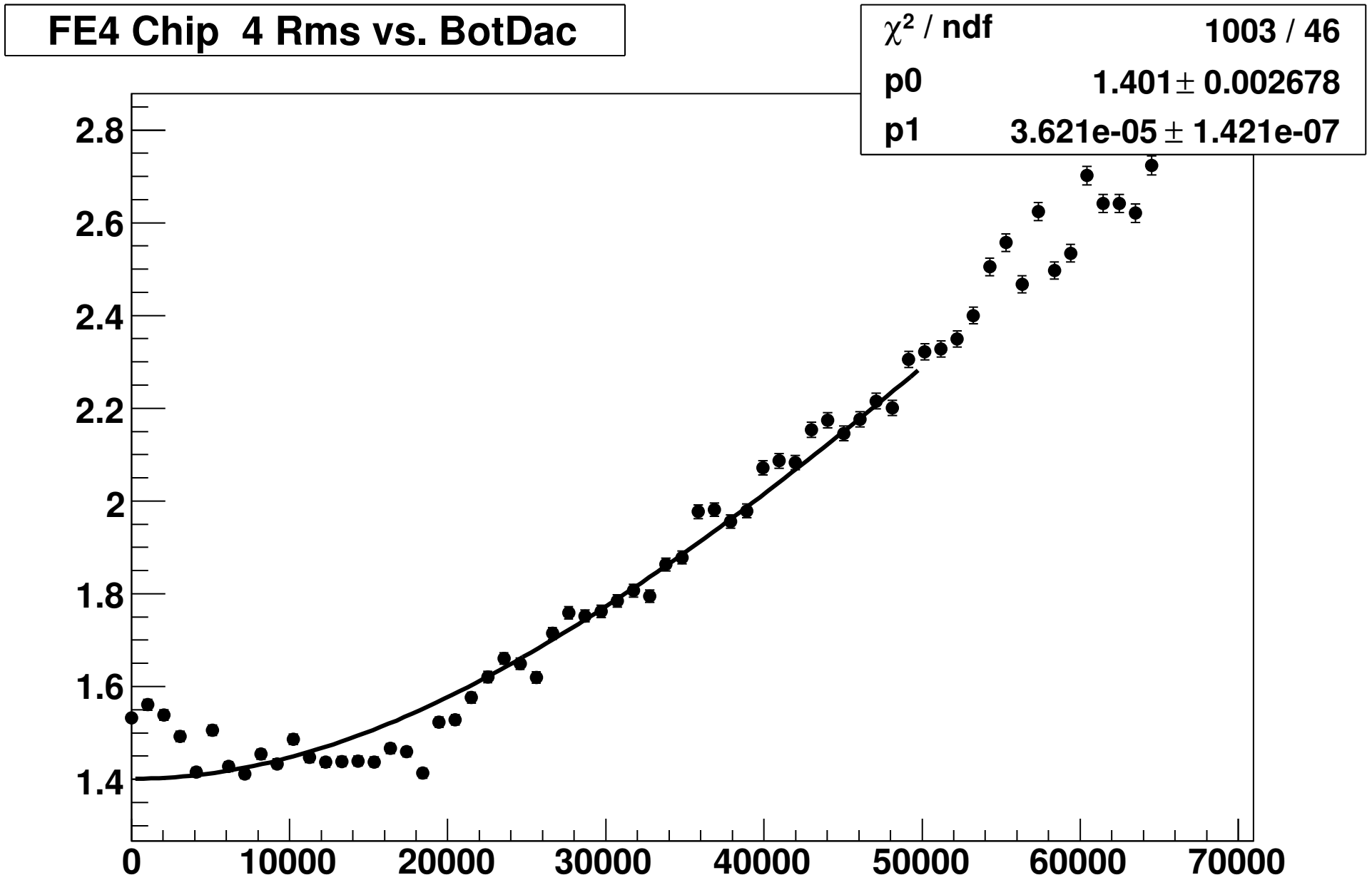
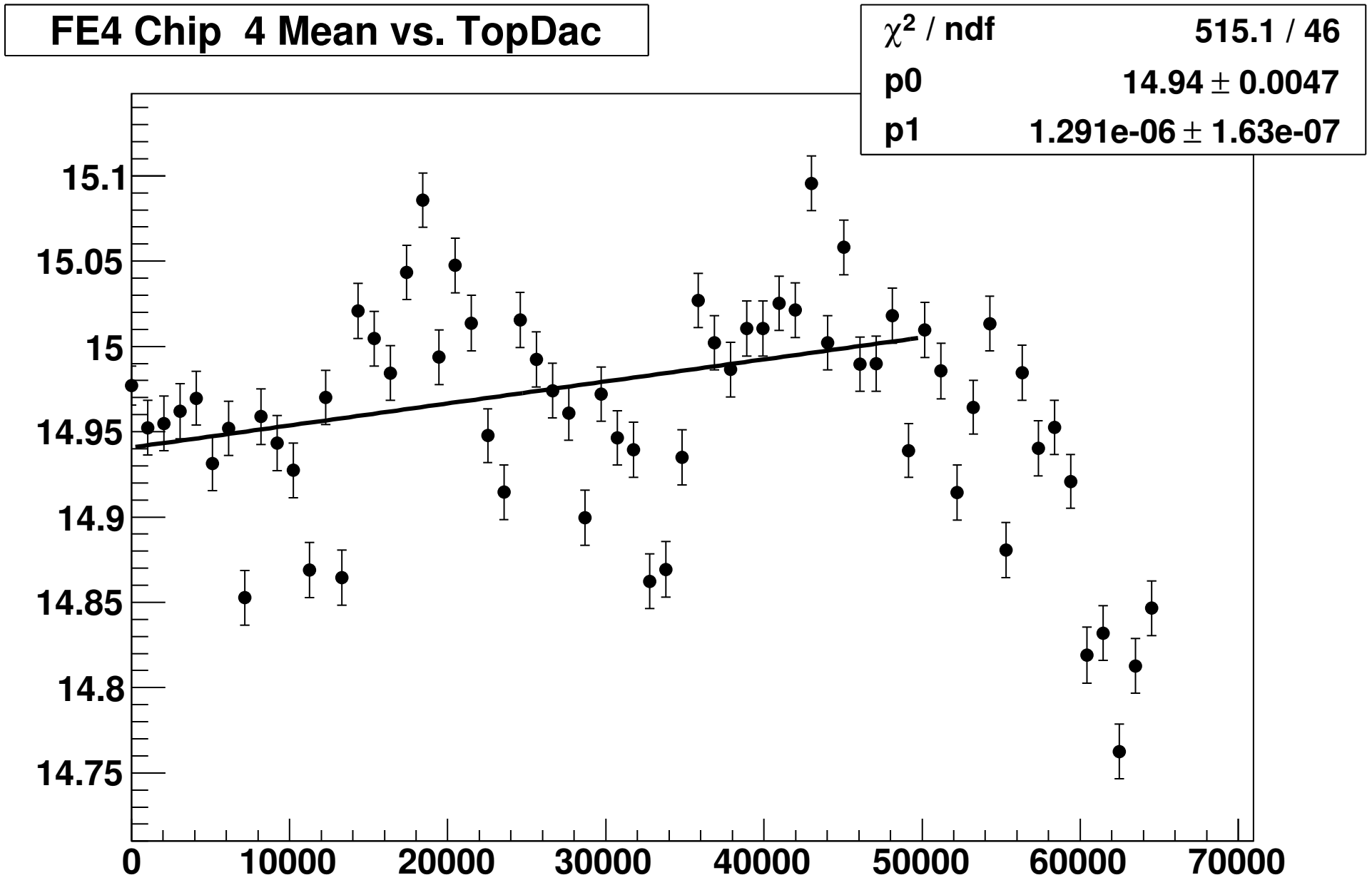
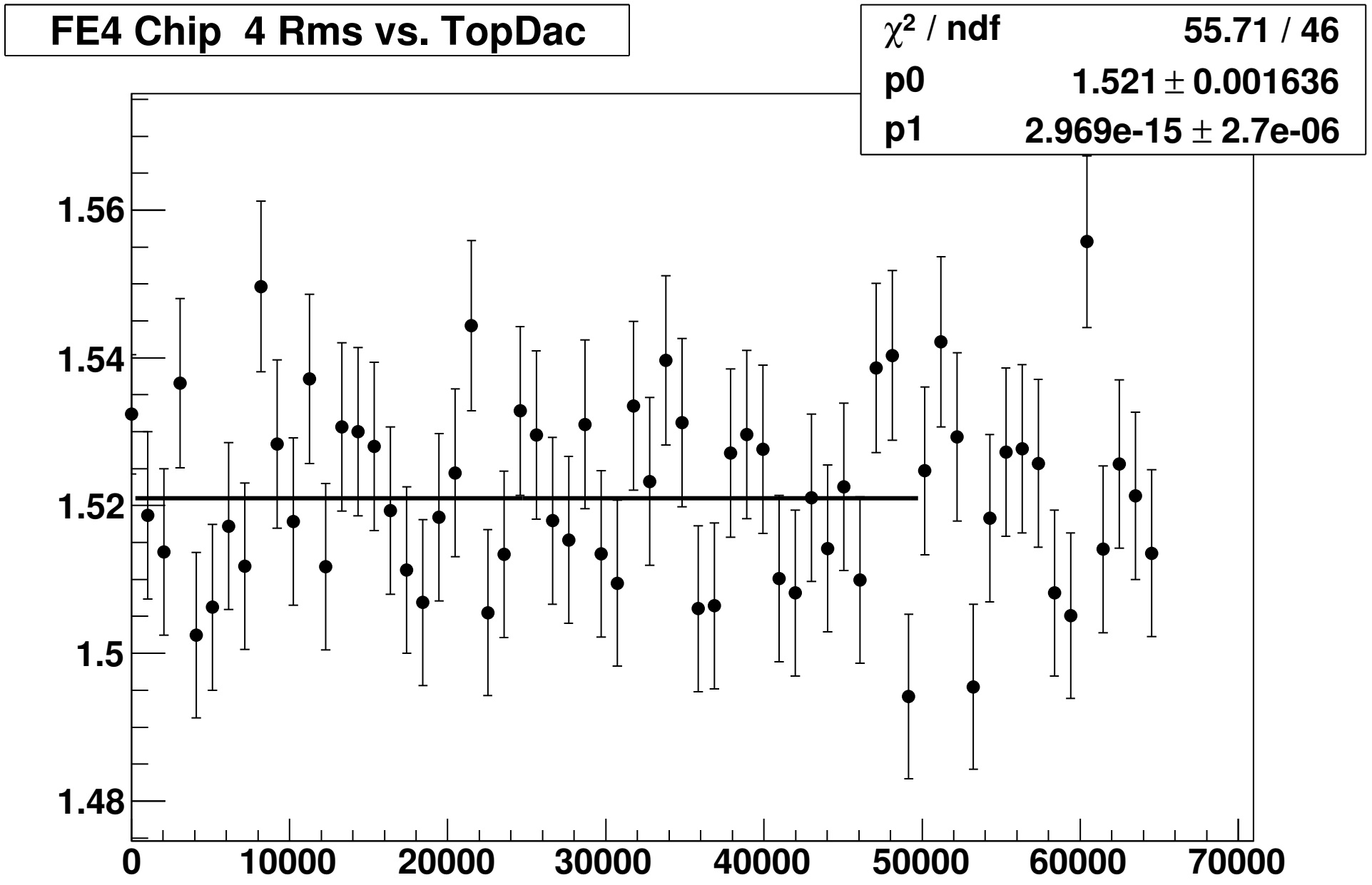
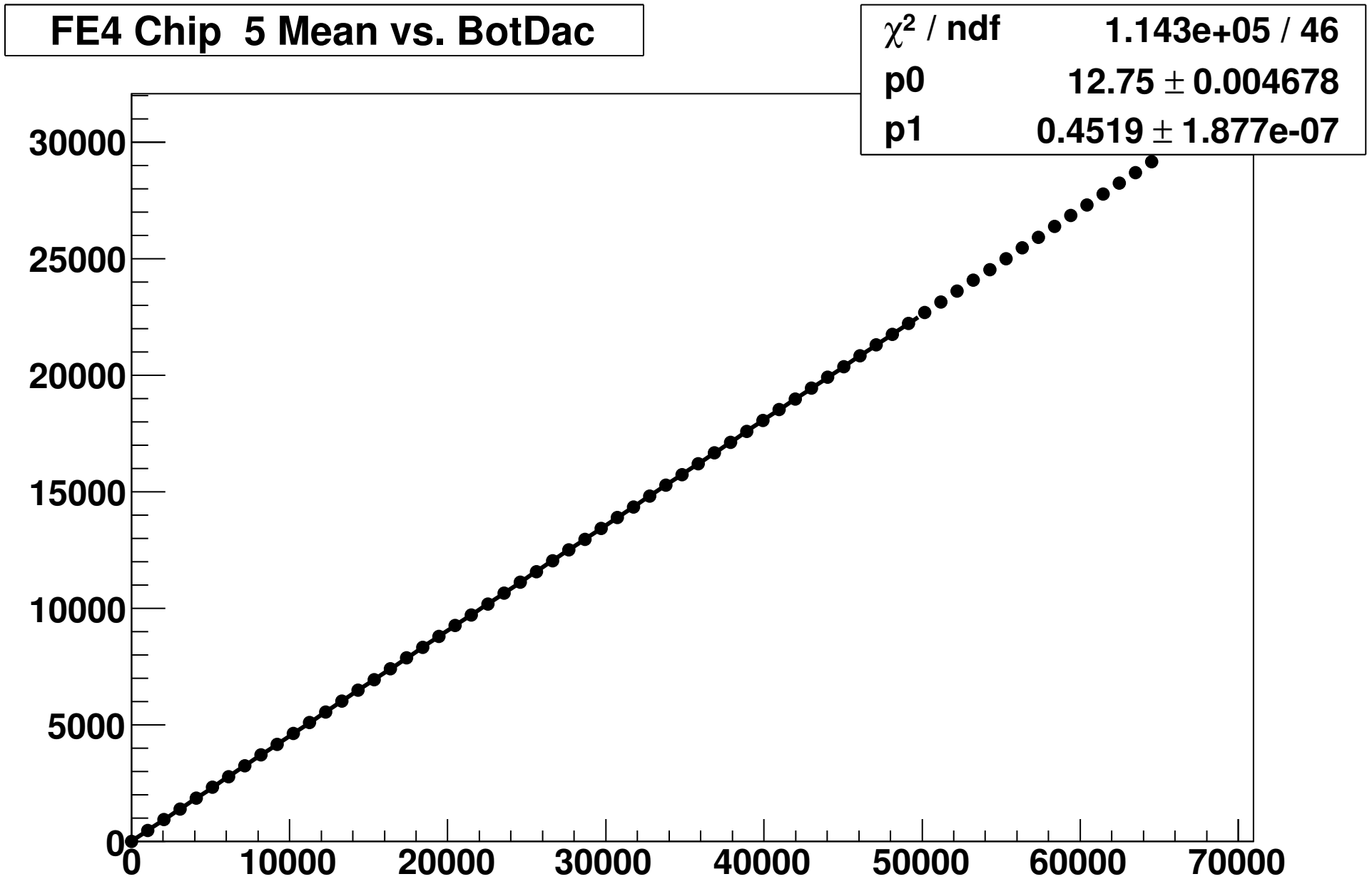
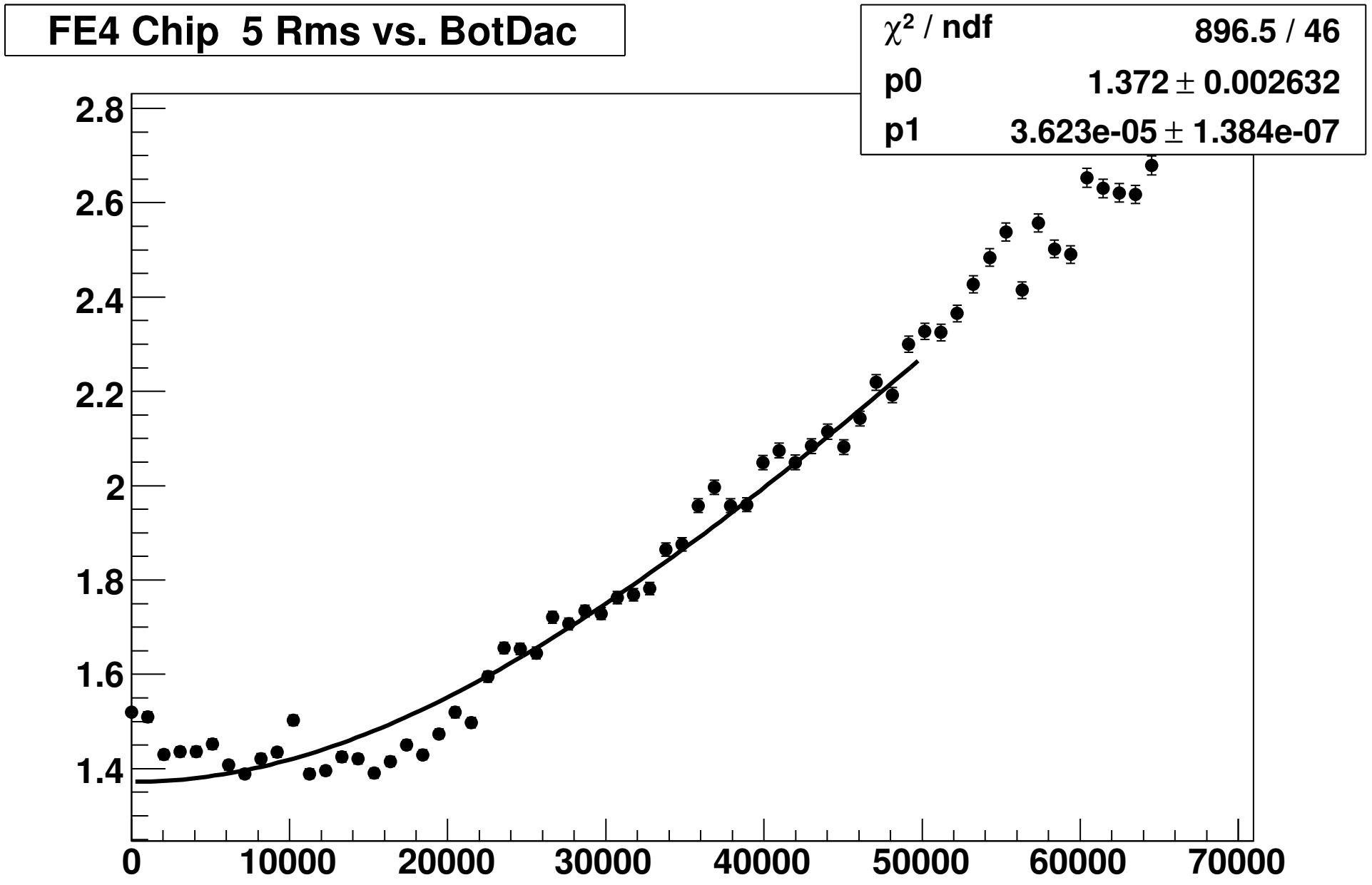

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 1.185e+05 / 46
p0 14.7 ± 0.004782
p1 0.4519 ± 1.91e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

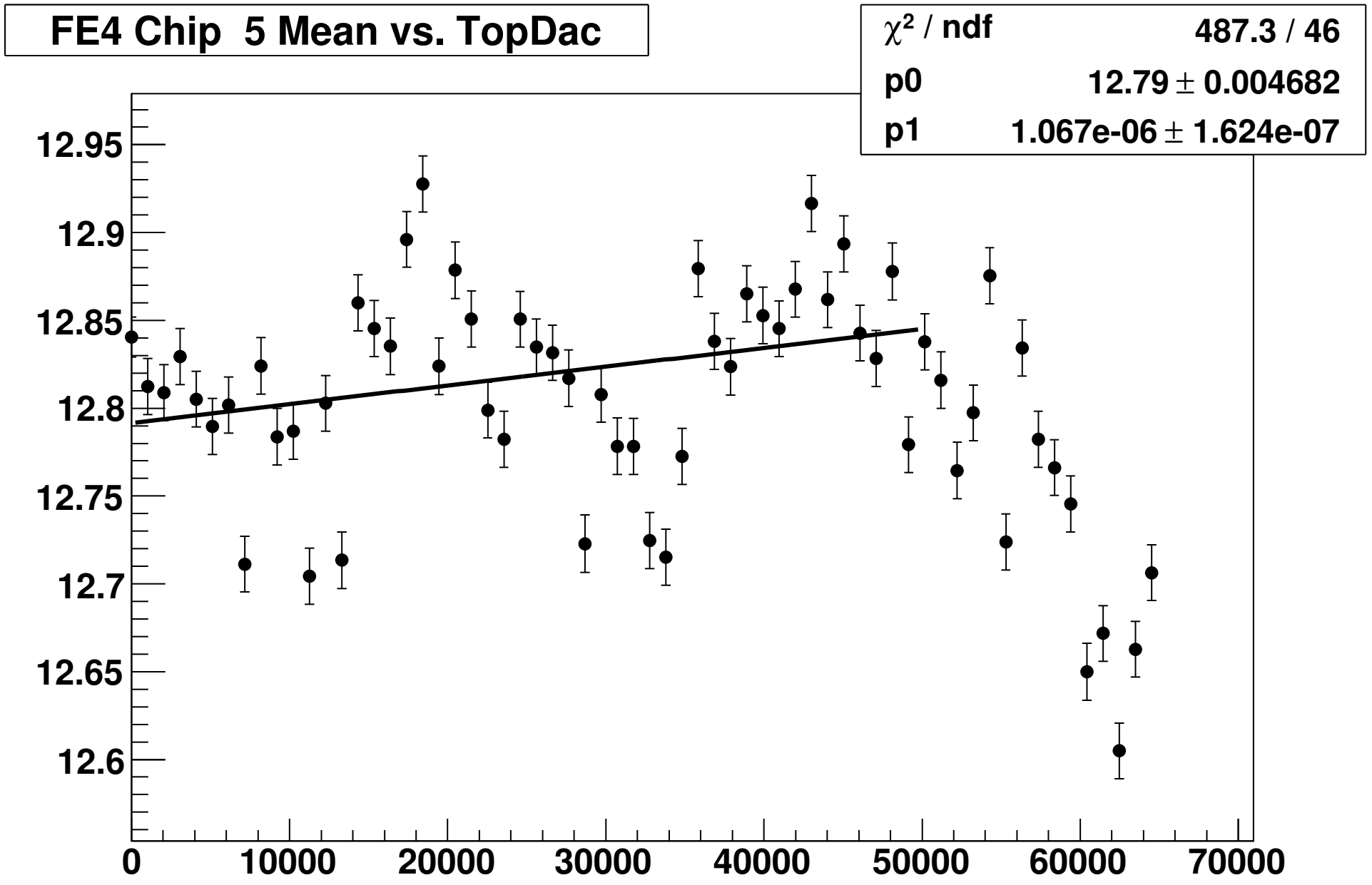

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 1003 / 46
p0 1.401 ± 0.002678
p1 3.621e-05 ± 1.421e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

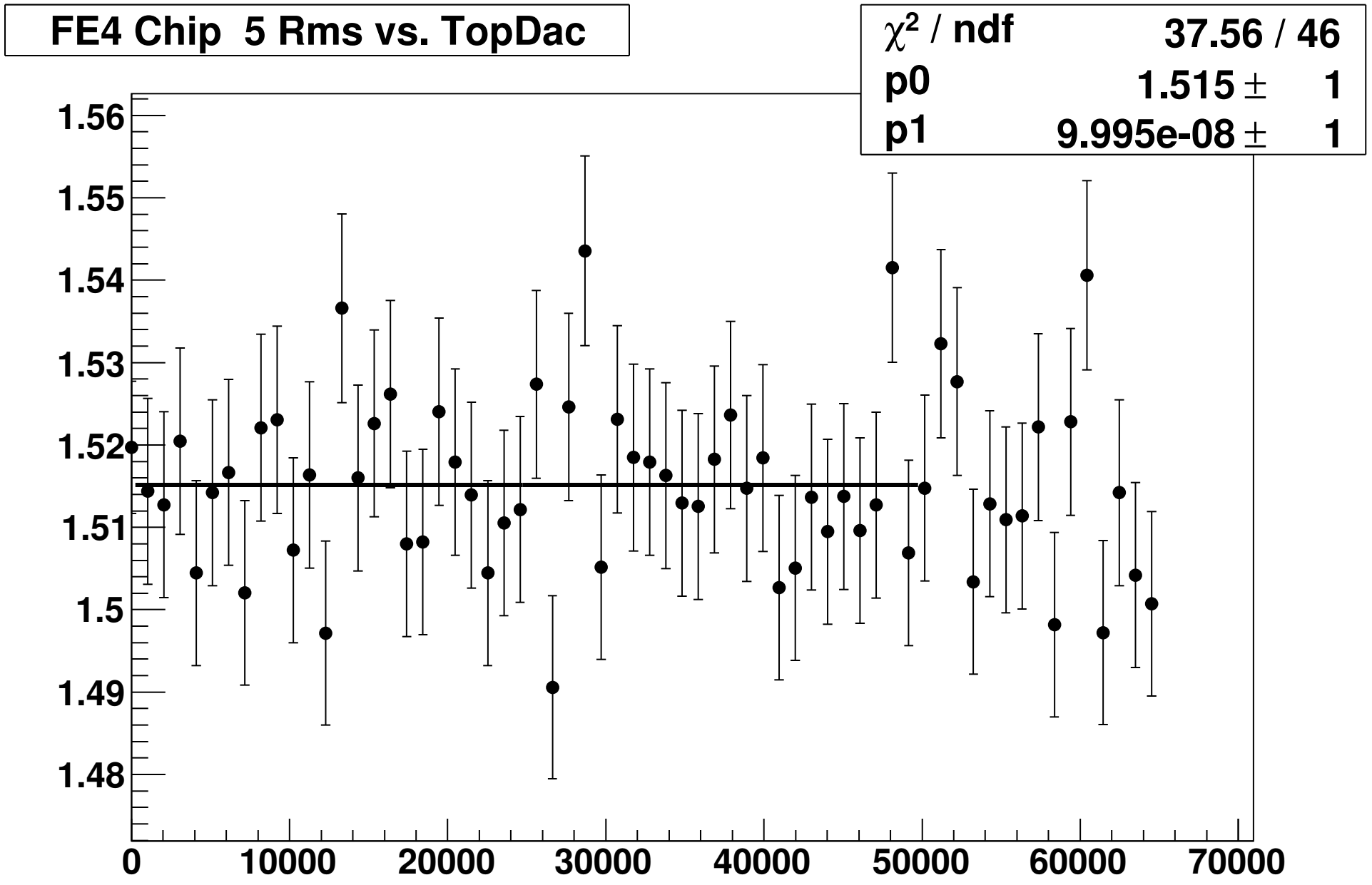

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 515.1 / 46
p0 14.94 ± 0.0047
p1 1.291e-06 ± 1.63e-07
15.1
15.05
15
14.95
14.9
14.85
14.8
14.75
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 55.71 / 46
p0 1.521 ± 0.001636
p1 2.969e-15 ± 2.7e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.143e+05 / 46
p0 12.75 ± 0.004678
p1 0.4519 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 896.5 / 46
p0 1.372 ± 0.002632
p1 3.623e-05 ± 1.384e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 487.3 / 46
p0 12.79 ± 0.004682
p1 1.067e-06 ± 1.624e-07
12.95
12.9
12.85
12.8
12.75
12.7
12.65
12.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 37.56 / 46
p0 1.515 ± 1
p1 9.995e-08 ± 1
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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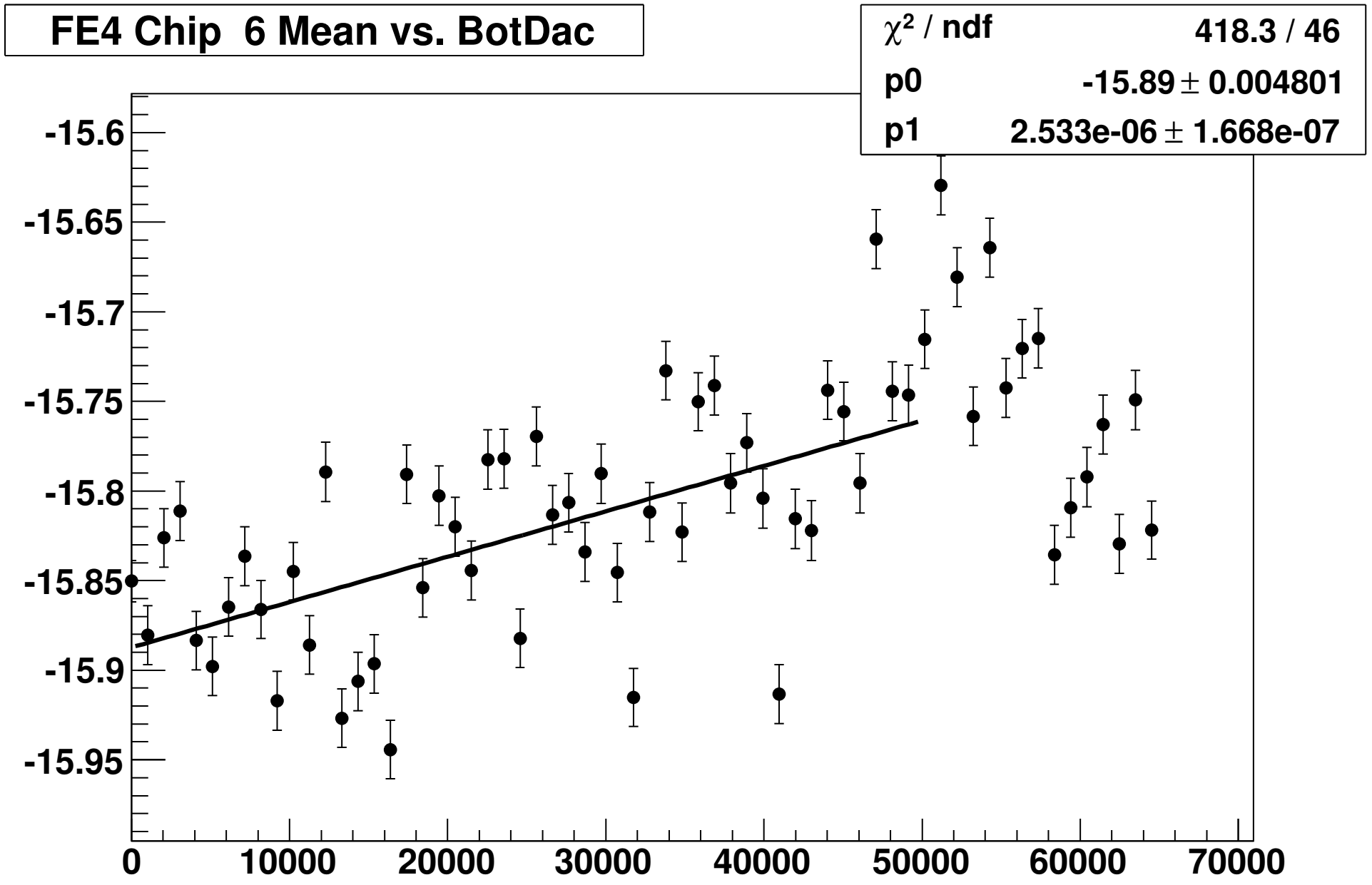
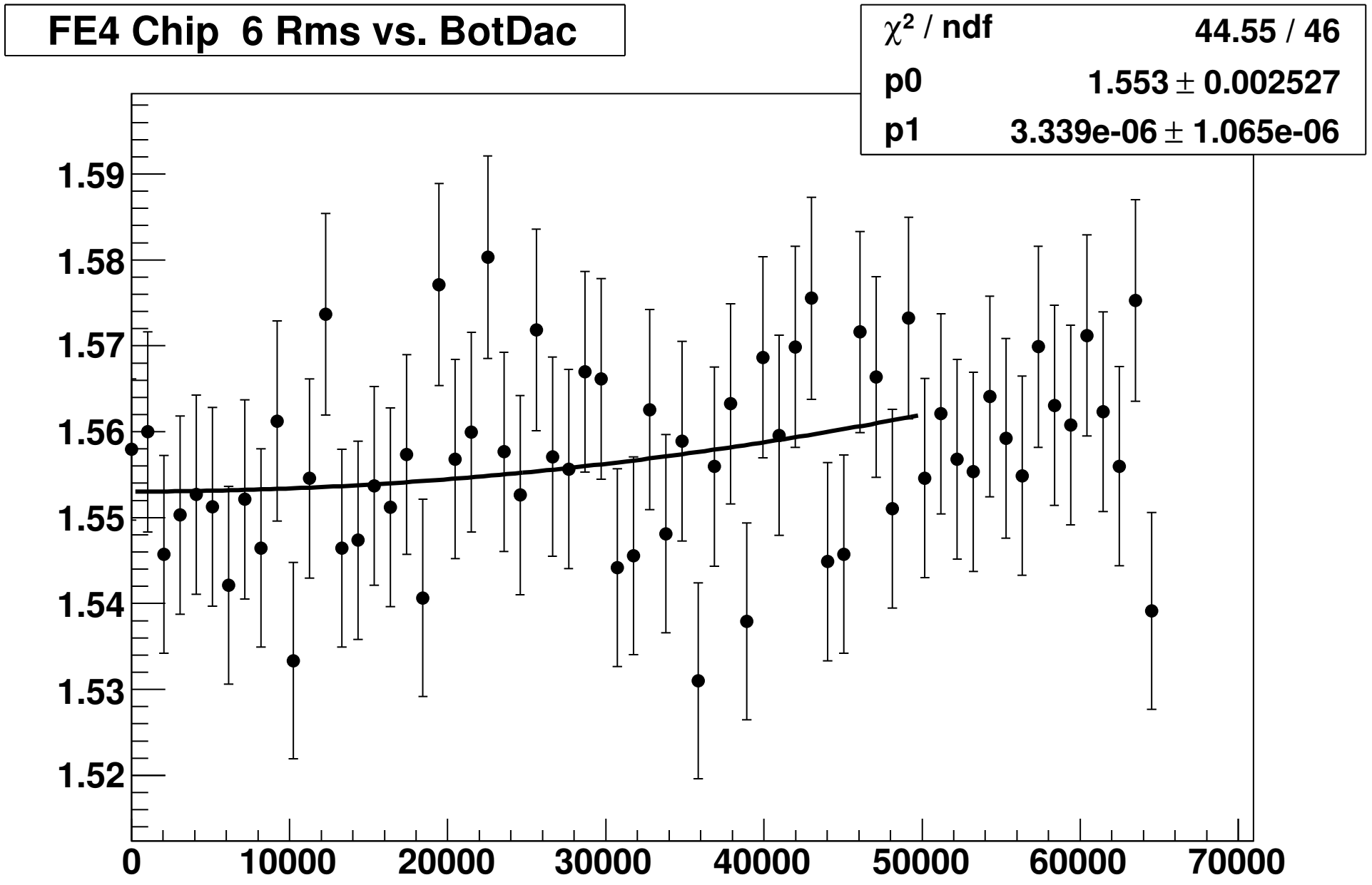

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 418.3 / 46
p0 -15.89 ± 0.004801
p1 2.533e-06 ± 1.668e-07
-15.6
-15.65
-15.7
-15.75
-15.8
-15.85
-15.9
-15.95
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 44.55 / 46
p0 1.553 ± 0.002527
p1 3.339e-06 ± 1.065e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
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50000
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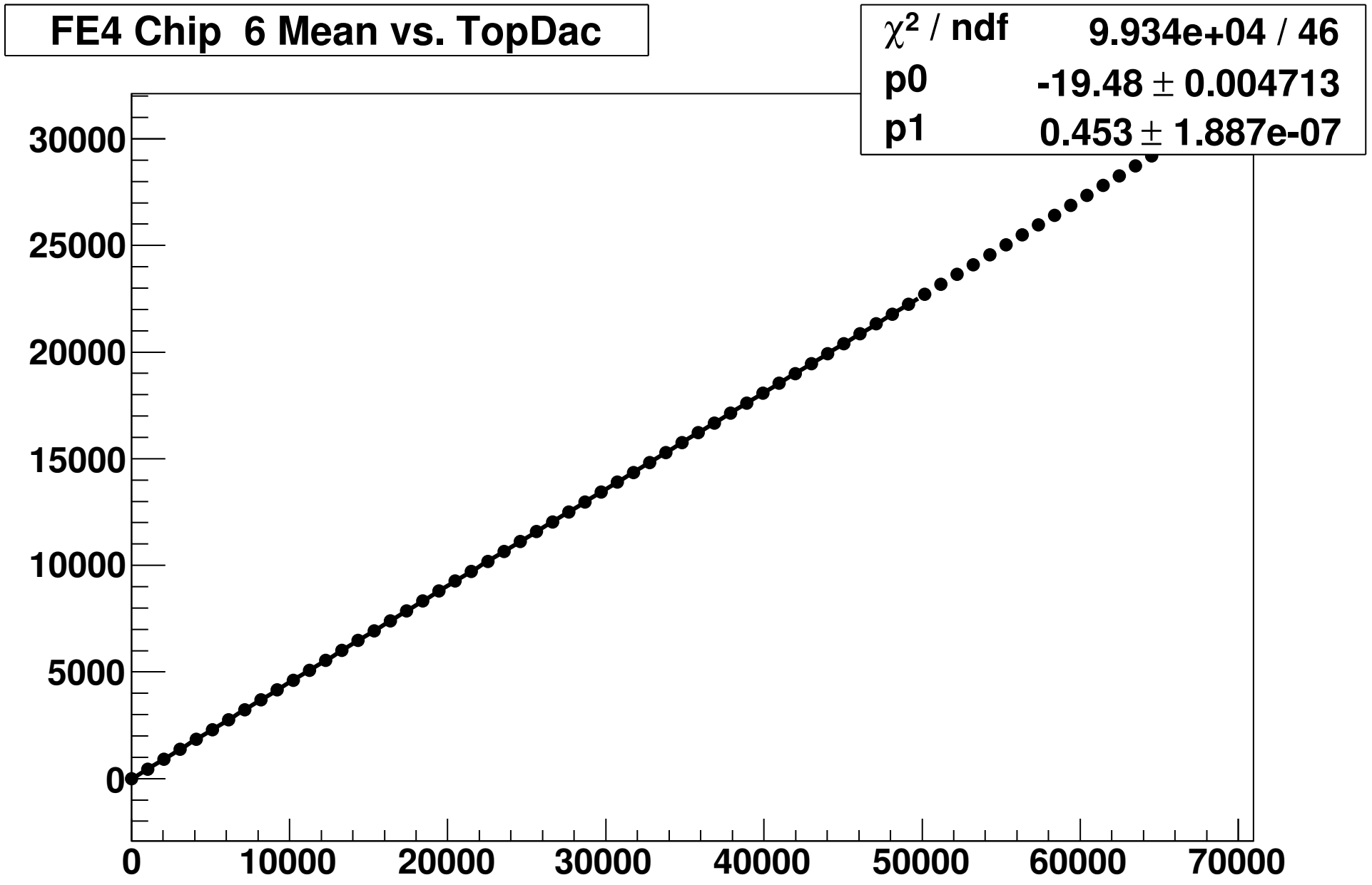
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 9.934e+04 / 46
p0 -19.48 ± 0.004713
p1 0.453 ± 1.887e-07
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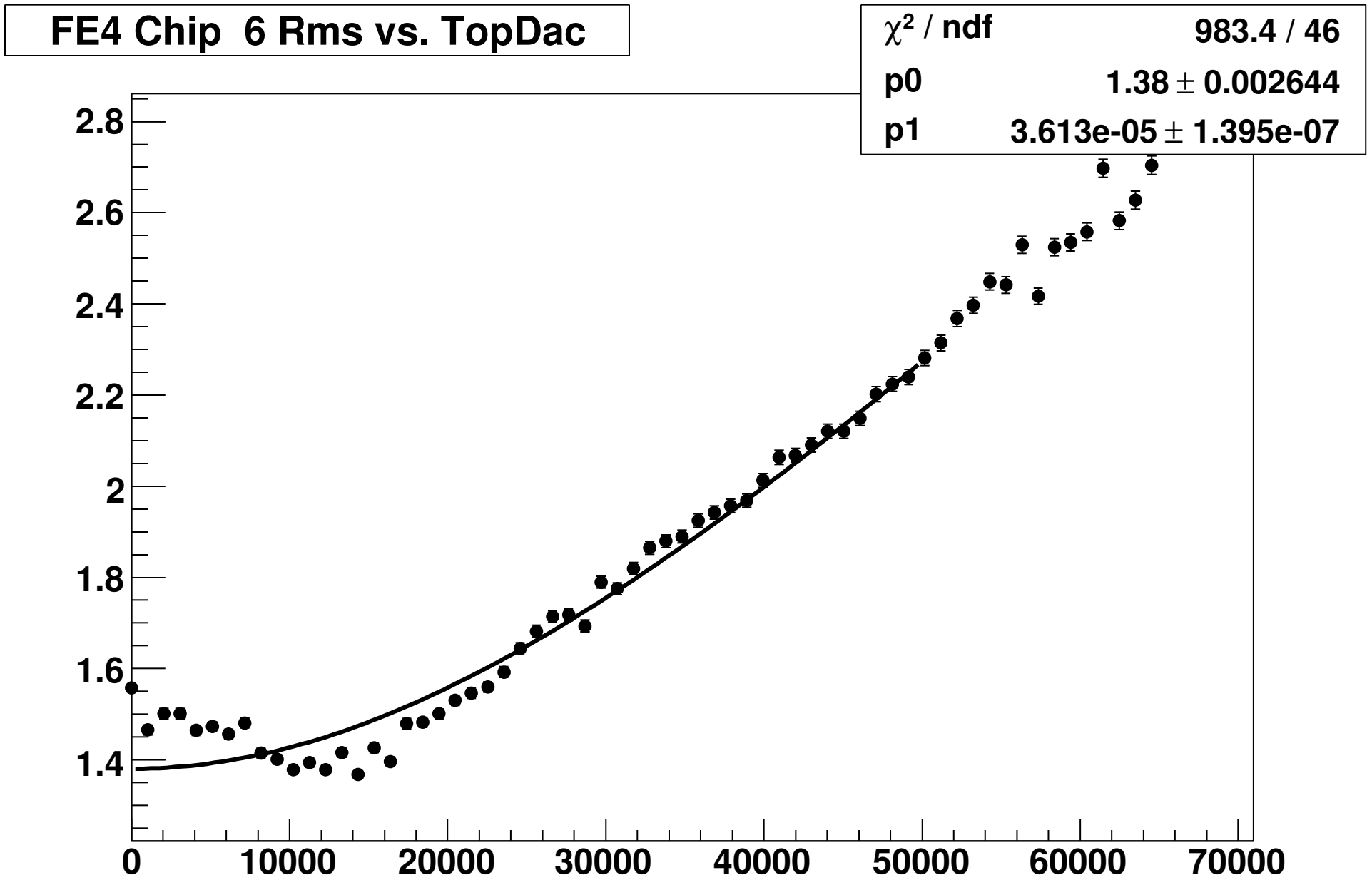
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 983.4 / 46
p0 1.38 ± 0.002644
p1 3.613e-05 ± 1.395e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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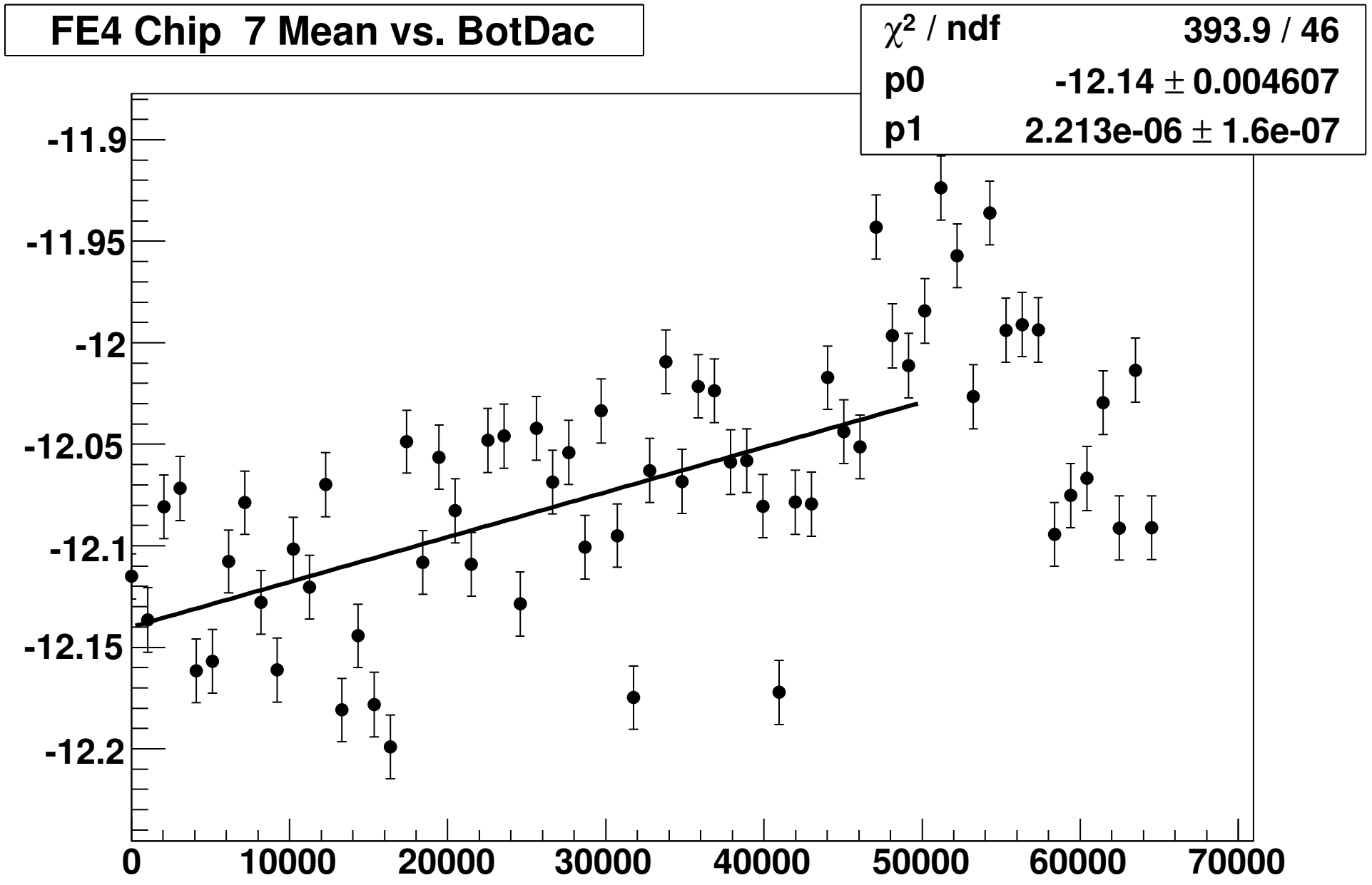
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 393.9 / 46
p0 -12.14 ± 0.004607
p1 2.213e-06 ± 1.6e-07
-11.9
-11.95
-12
-12.05
-12.1
-12.15
-12.2
0
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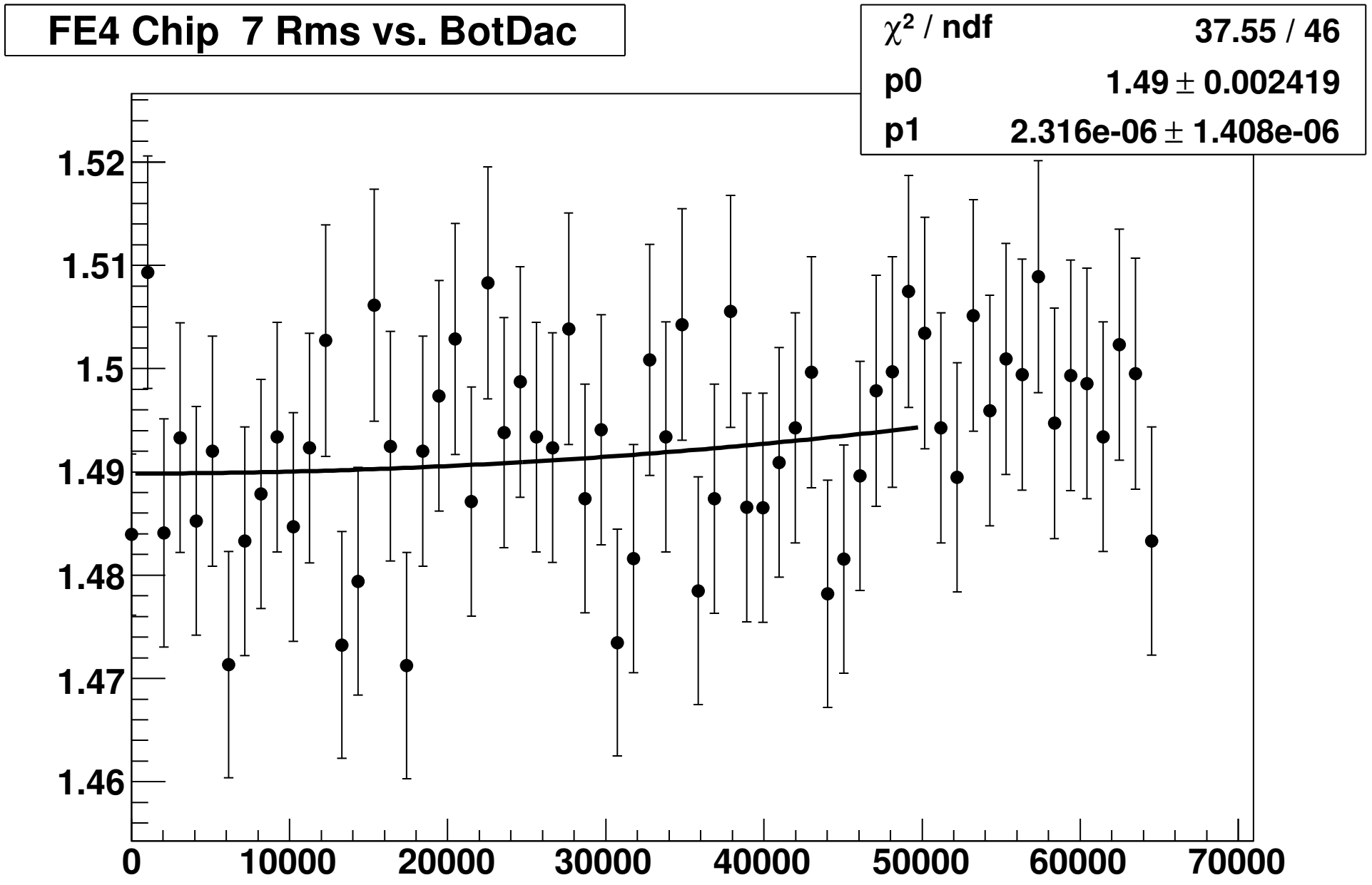
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 37.55 / 46
p0 1.49 ± 0.002419
p1 2.316e-06 ± 1.408e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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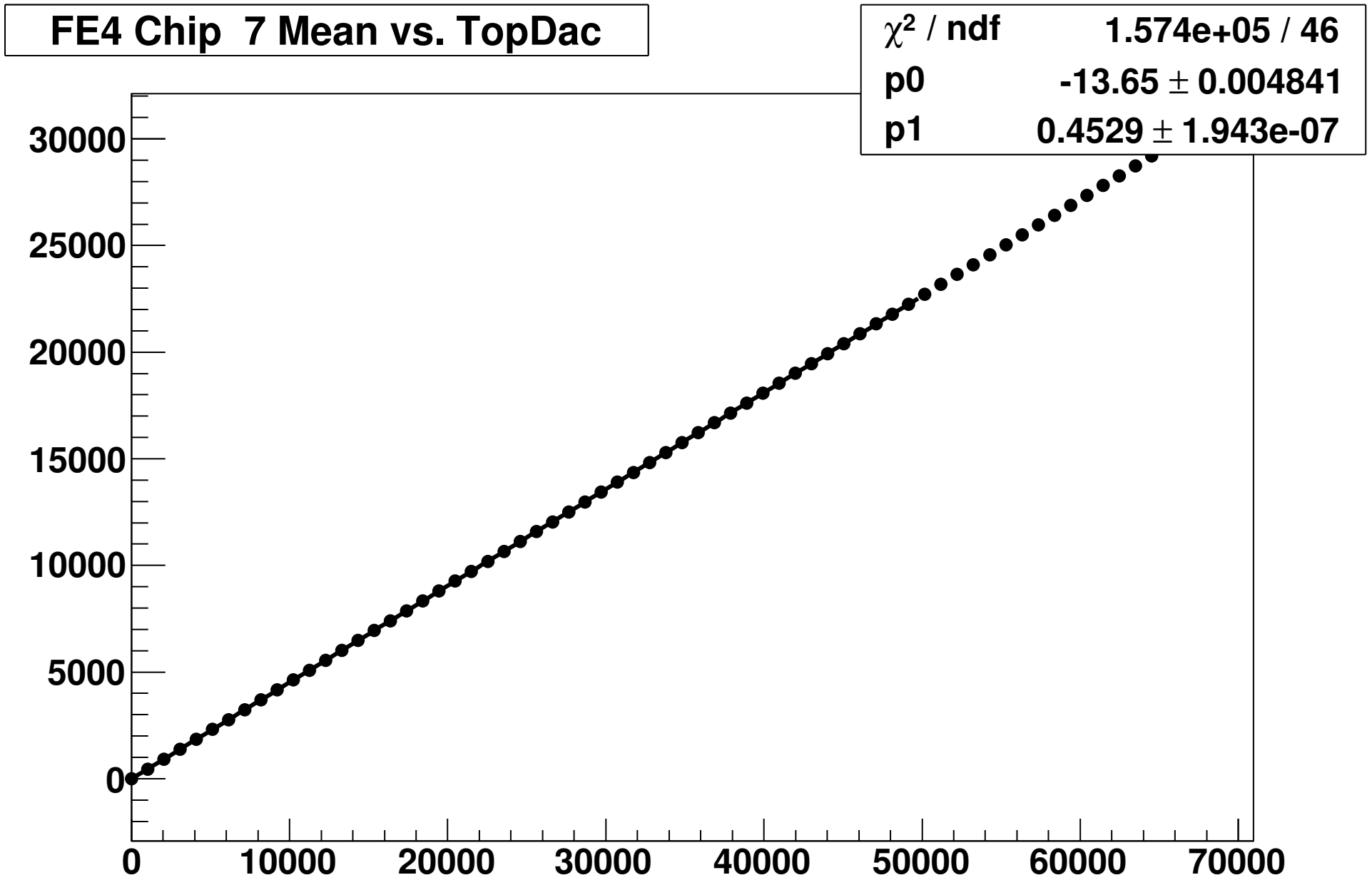
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.574e+05 / 46
p0 -13.65 ± 0.004841
p1 0.4529 ± 1.943e-07
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15000
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5000
0
0
10000
20000
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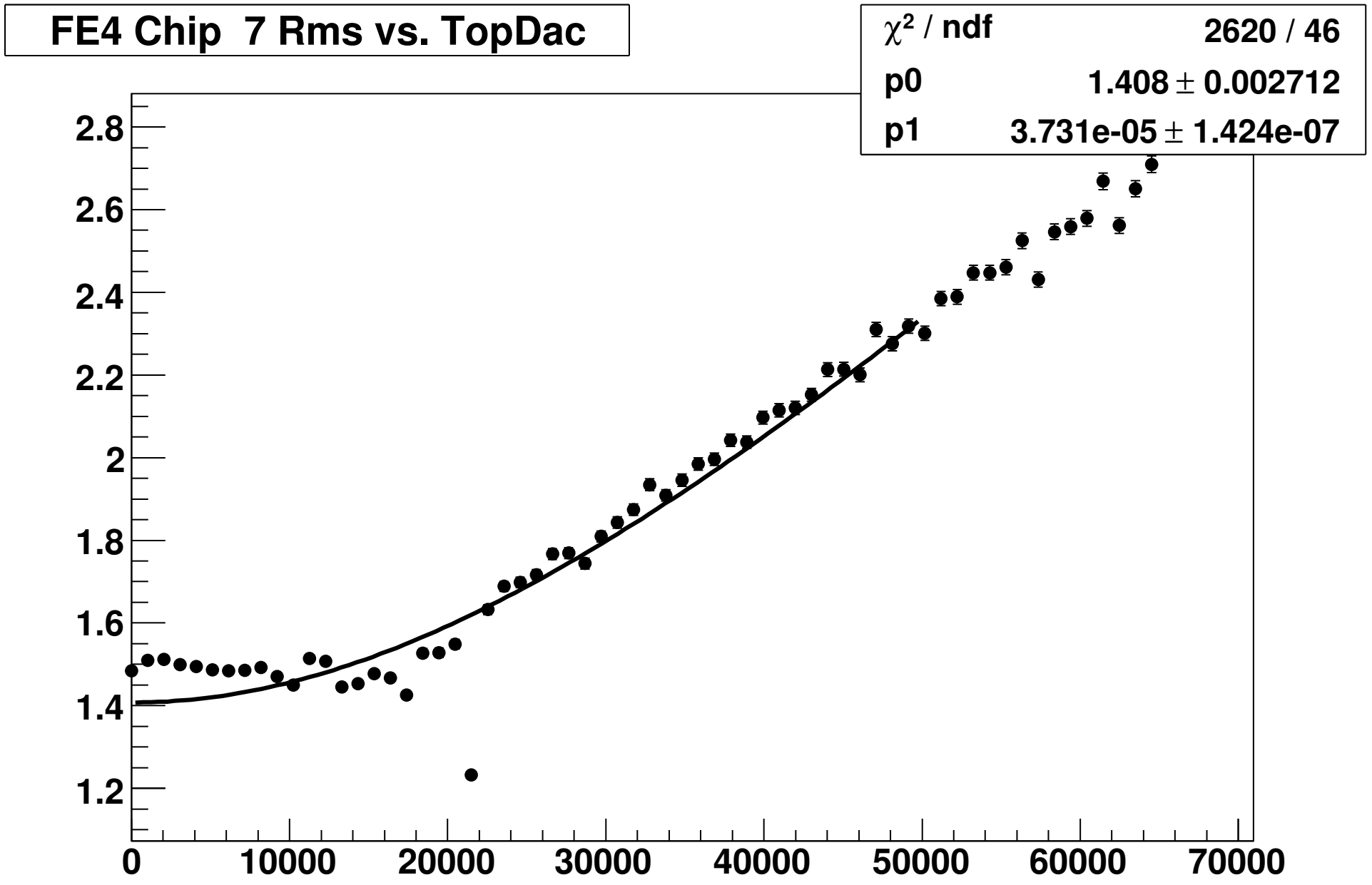
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 2620 / 46
p0 1.408 ± 0.002712
p1 3.731e-05 ± 1.424e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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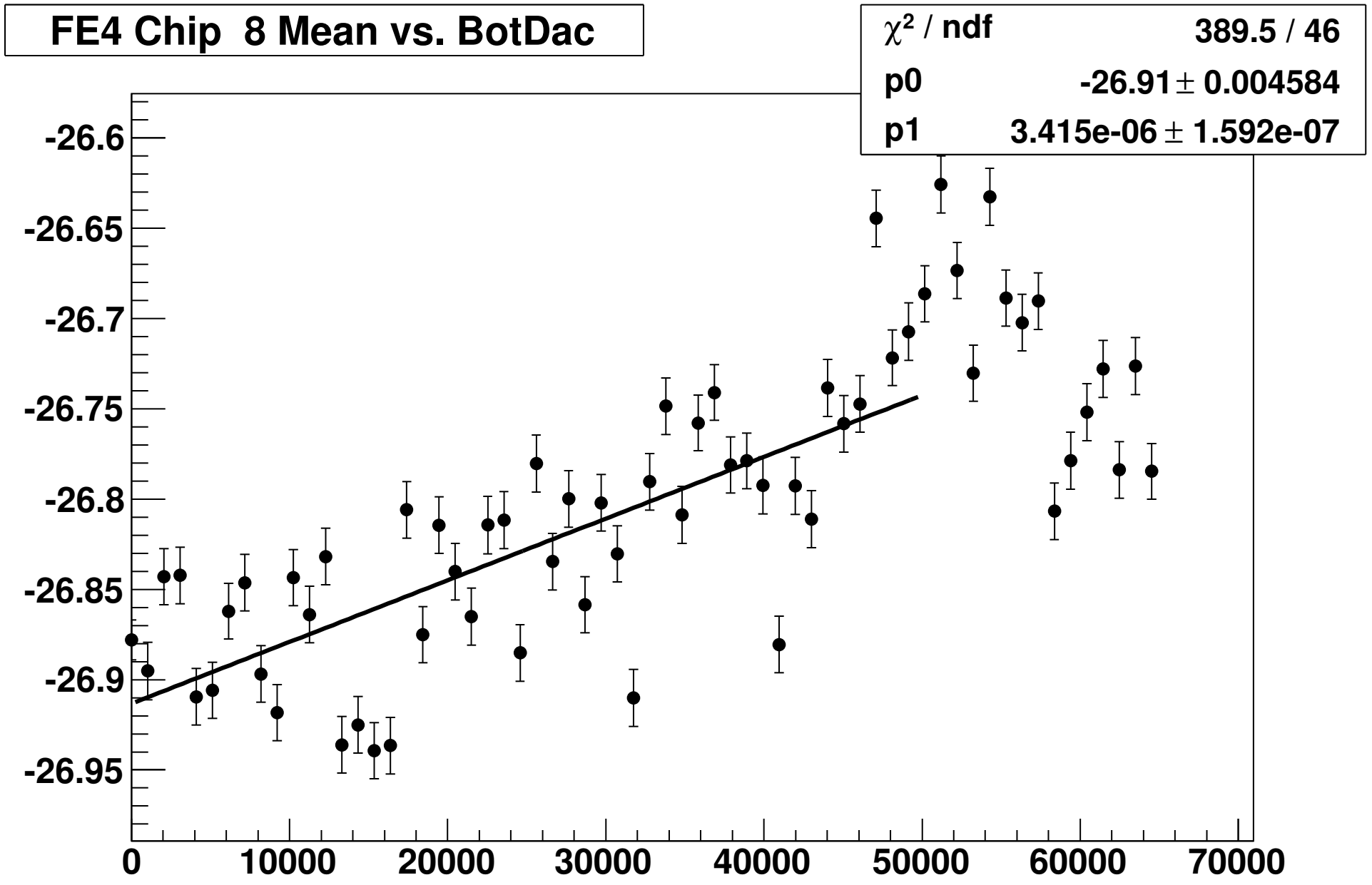
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 389.5 / 46
p0 -26.91 ± 0.004584
p1 3.415e-06 ± 1.592e-07
-26.6
-26.65
-26.7
-26.75
-26.8
-26.85
-26.9
-26.95
0
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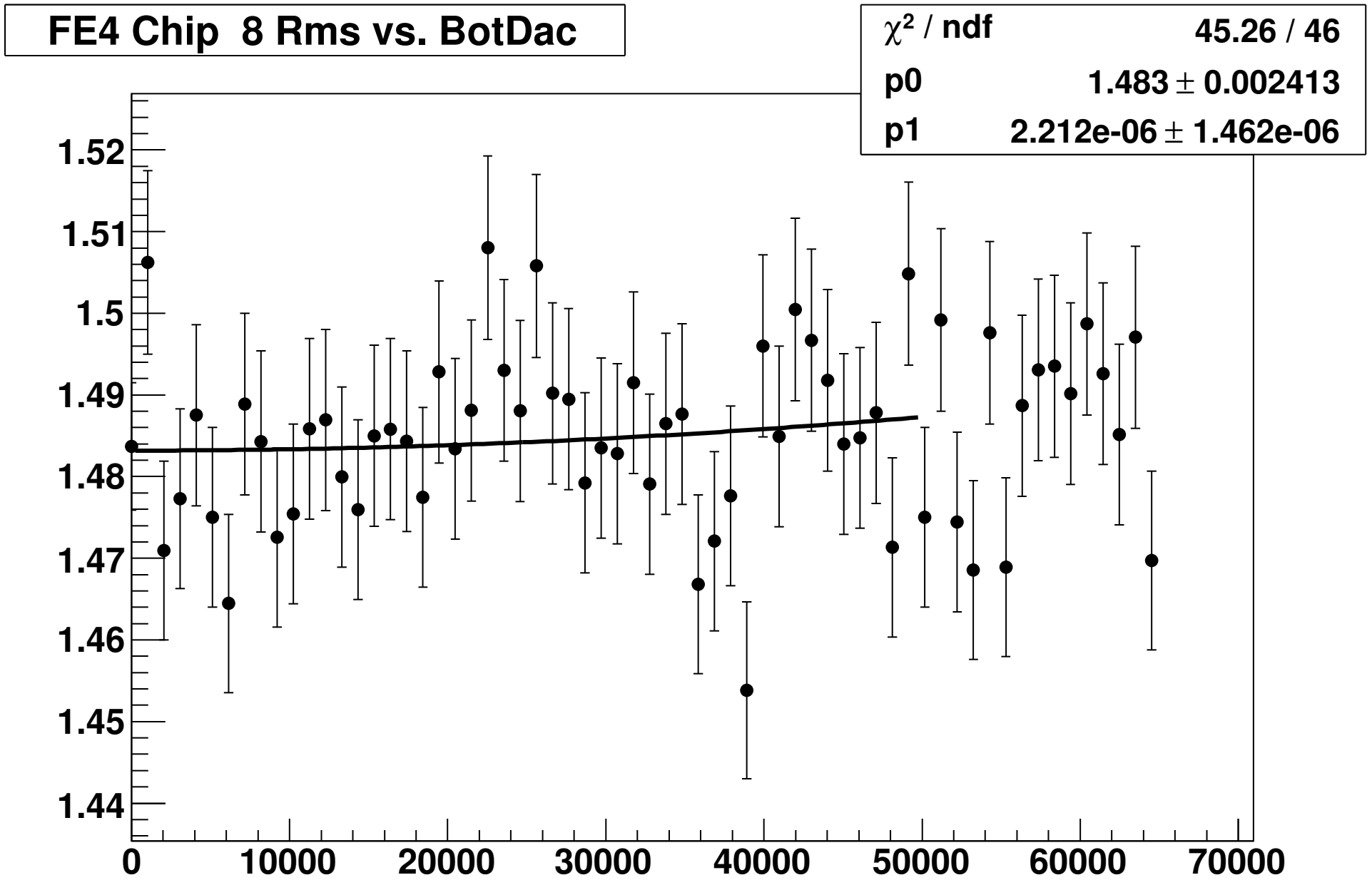
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 45.26 / 46
p0 1.483 ± 0.002413
p1 2.212e-06 ± 1.462e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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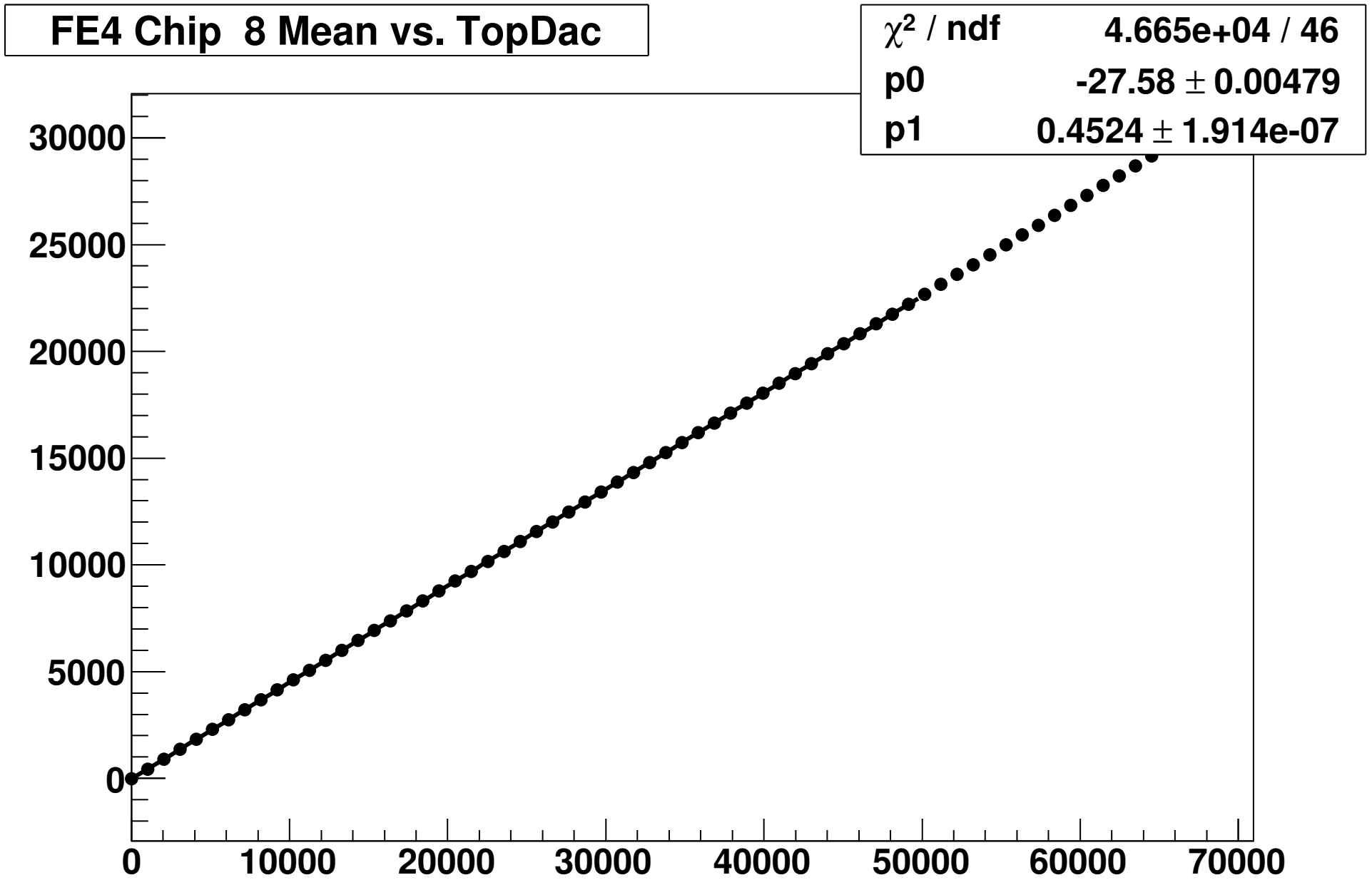
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 4.665e+04 / 46
p0 -27.58 ± 0.00479
p1 0.4524 ± 1.914e-07
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15000
10000
5000
0
0
10000
20000
30000
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50000
60000
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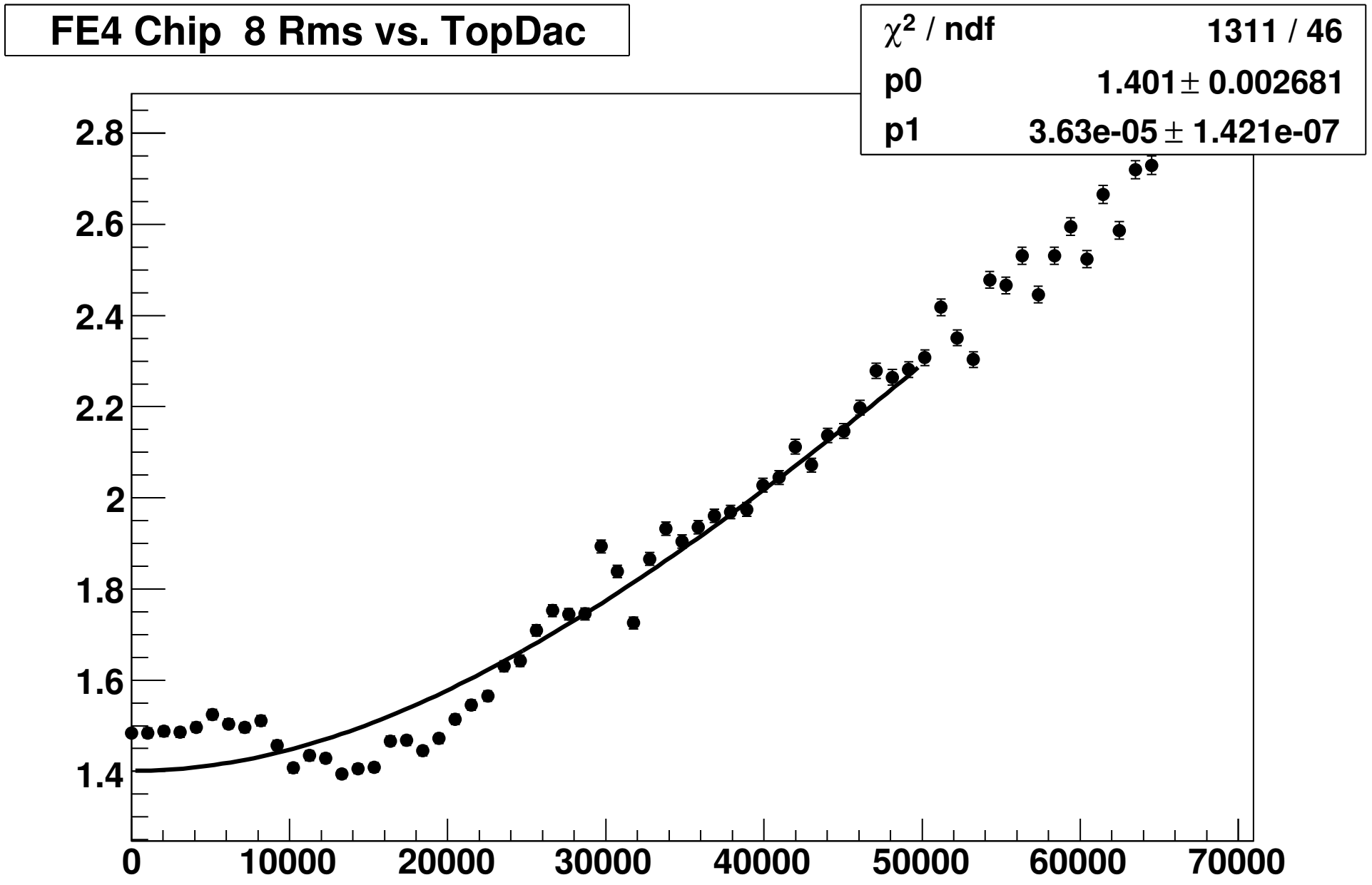
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 1311 / 46
p0 1.401 ± 0.002681
p1 3.63e-05 ± 1.421e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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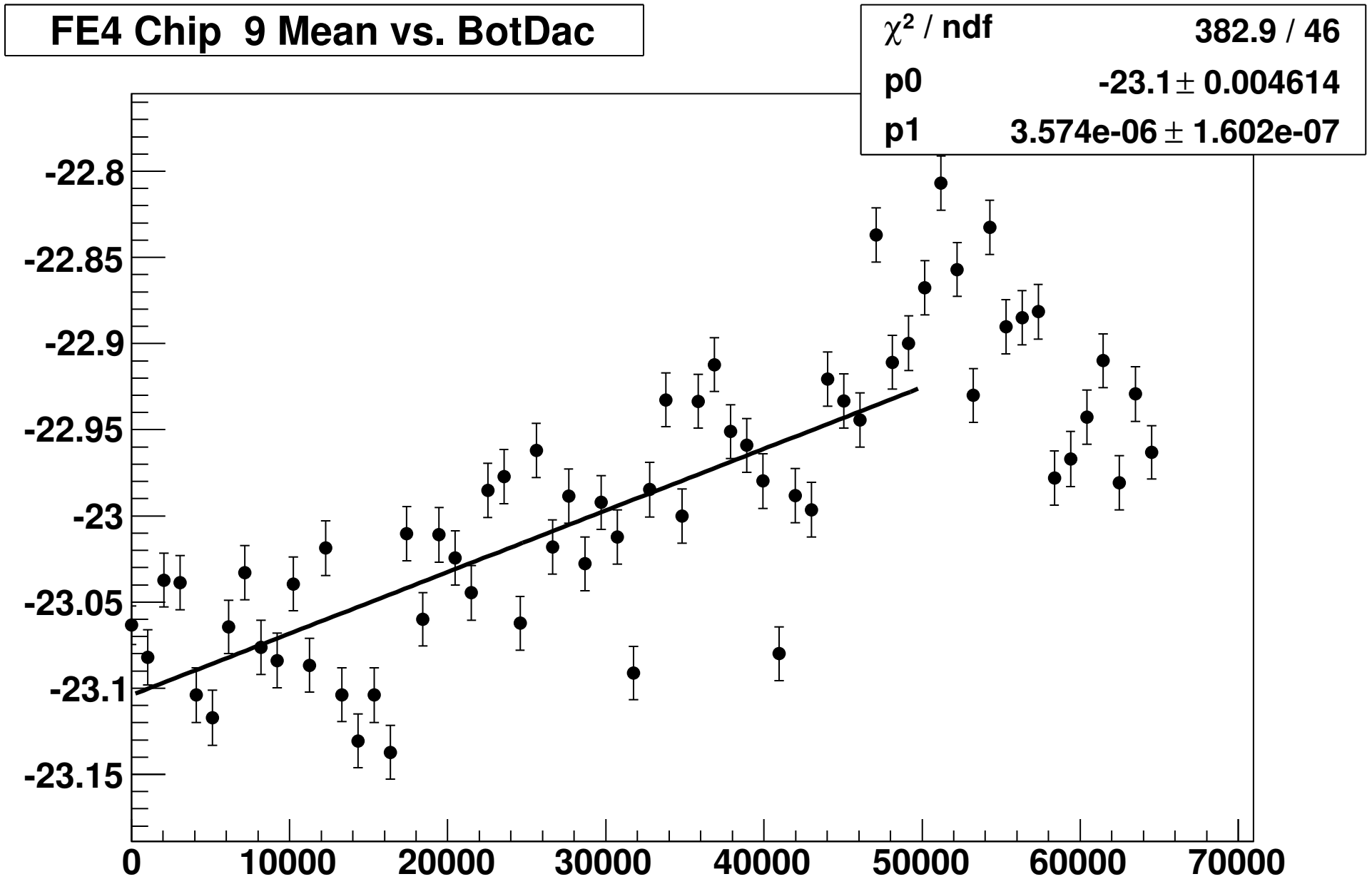
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 382.9 / 46
p0 -23.1 ± 0.004614
p1 3.574e-06 ± 1.602e-07
-22.8
-22.85
-22.9
-22.95
-23
-23.05
-23.1
-23.15
0
10000
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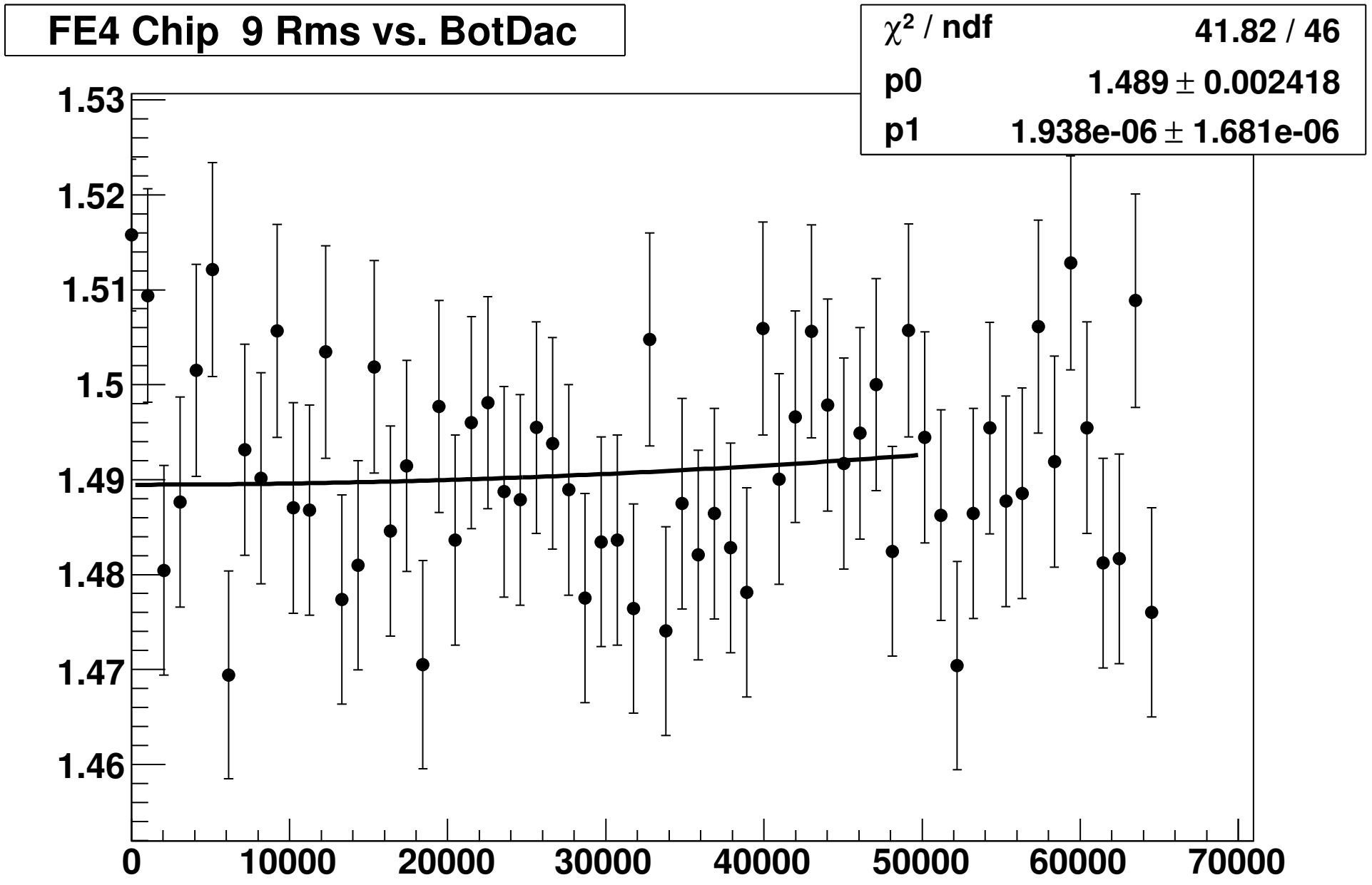
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 41.82 / 46
p0 1.489 ± 0.002418
p1 1.938e-06 ± 1.681e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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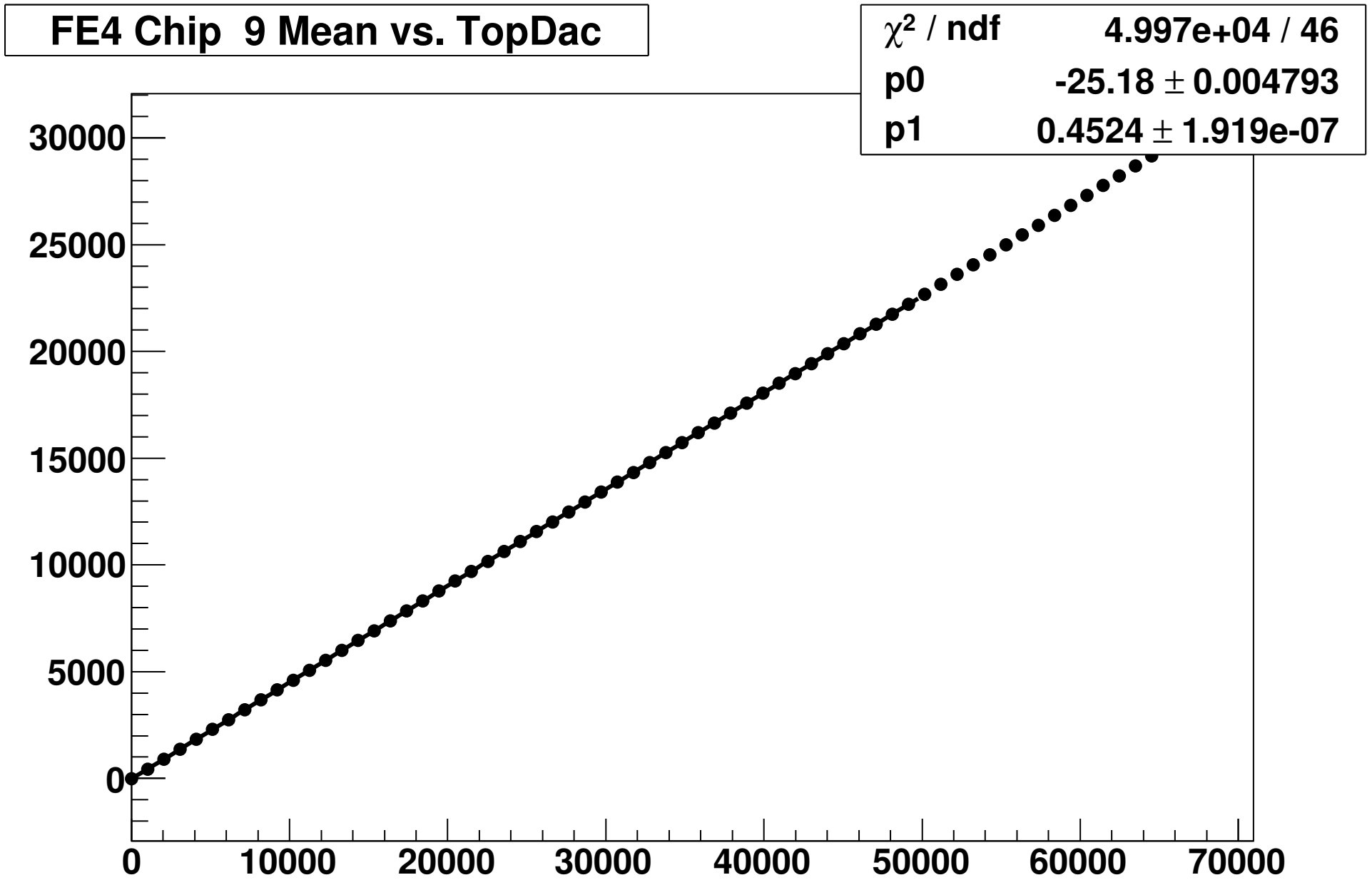
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 4.997e+04 / 46
p0 -25.18 ± 0.004793
p1 0.4524 ± 1.919e-07
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15000
10000
5000
0
0
10000
20000
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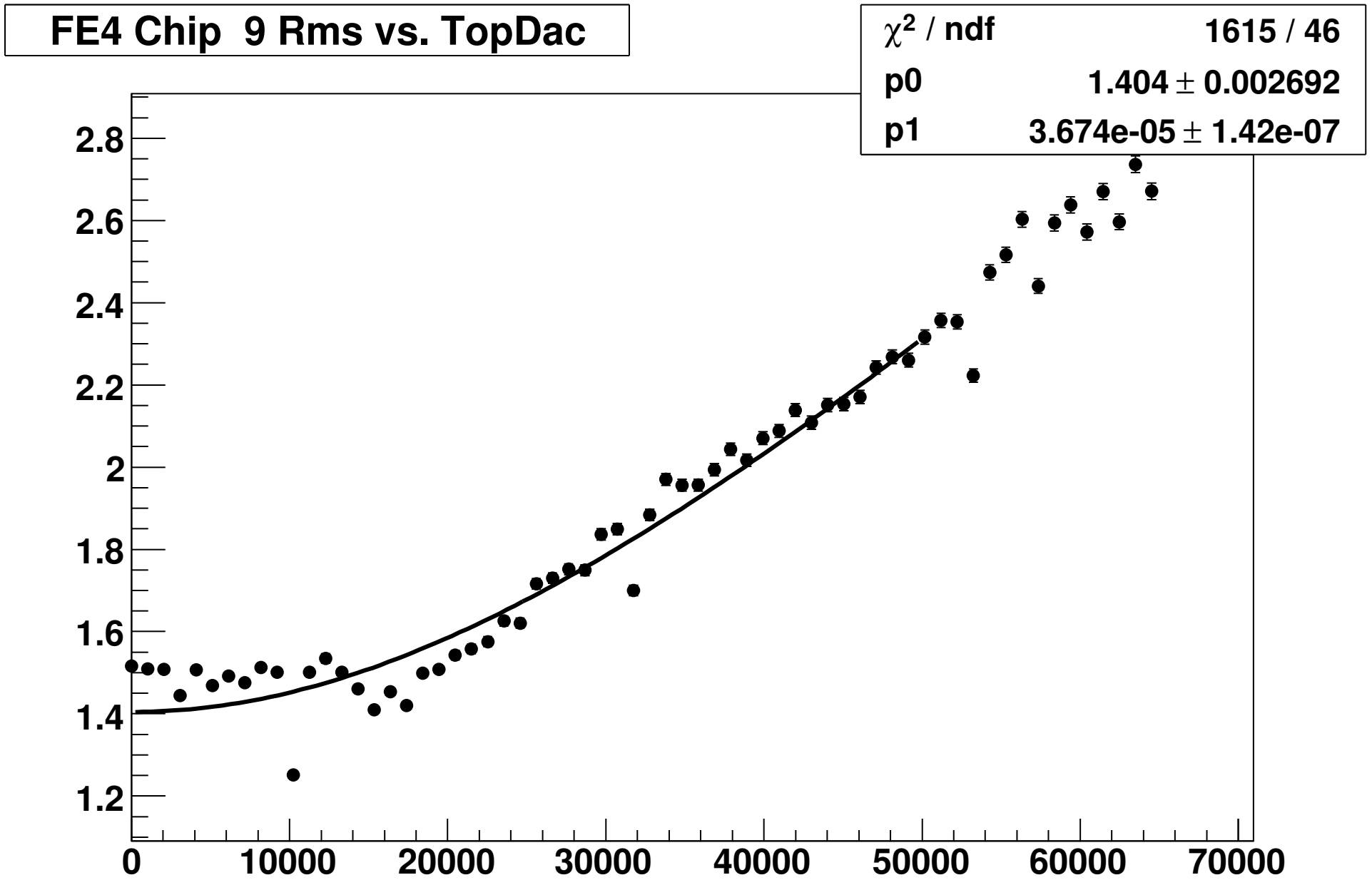
FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1615 / 46
p0 1.404 ± 0.002692
p1 3.674e-05 ± 1.42e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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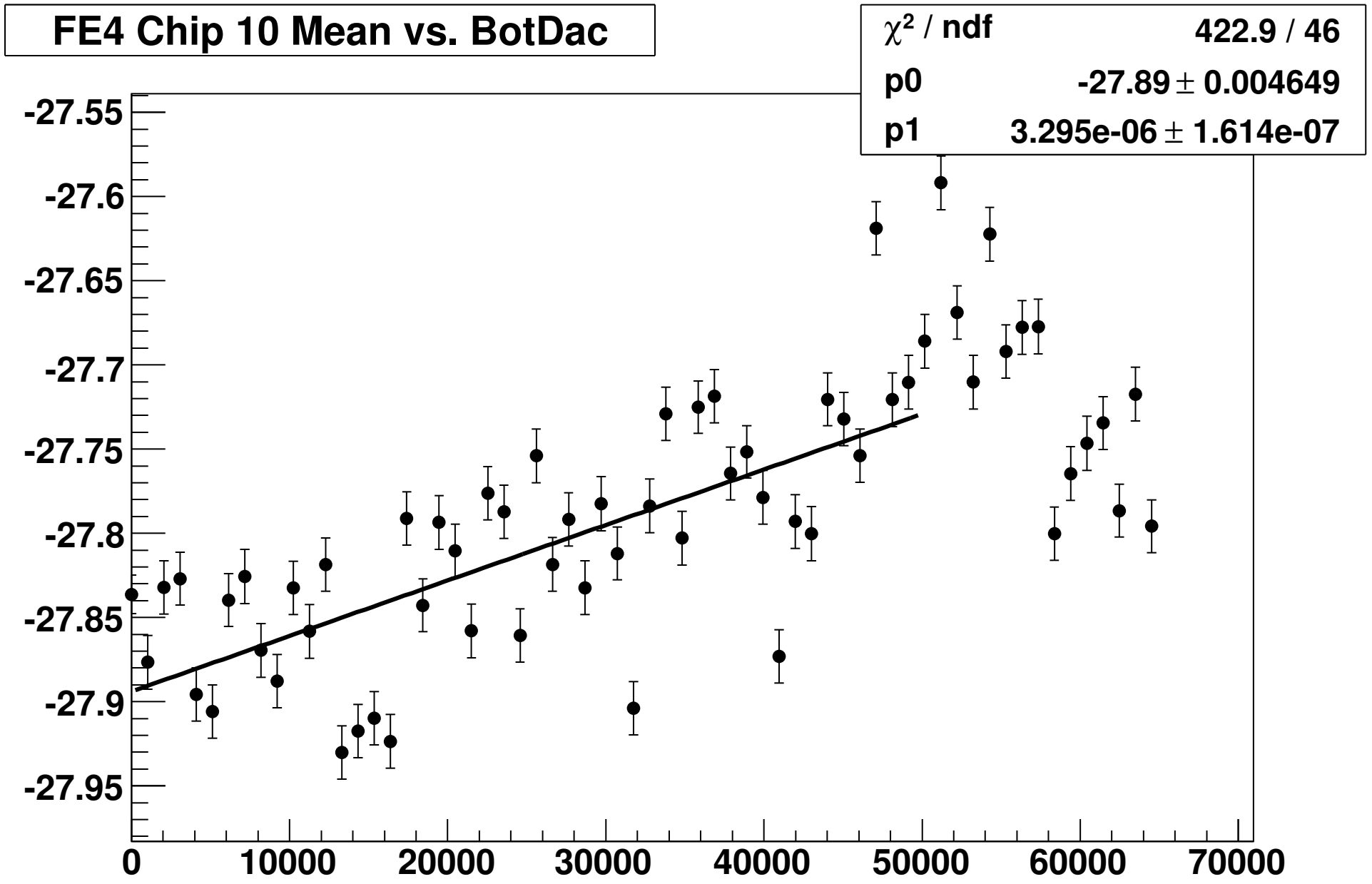
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 422.9 / 46
p0 -27.89 ± 0.004649
p1 3.295e-06 ± 1.614e-07
-27.55
-27.6
-27.65
-27.7
-27.75
-27.8
-27.85
-27.9
-27.95
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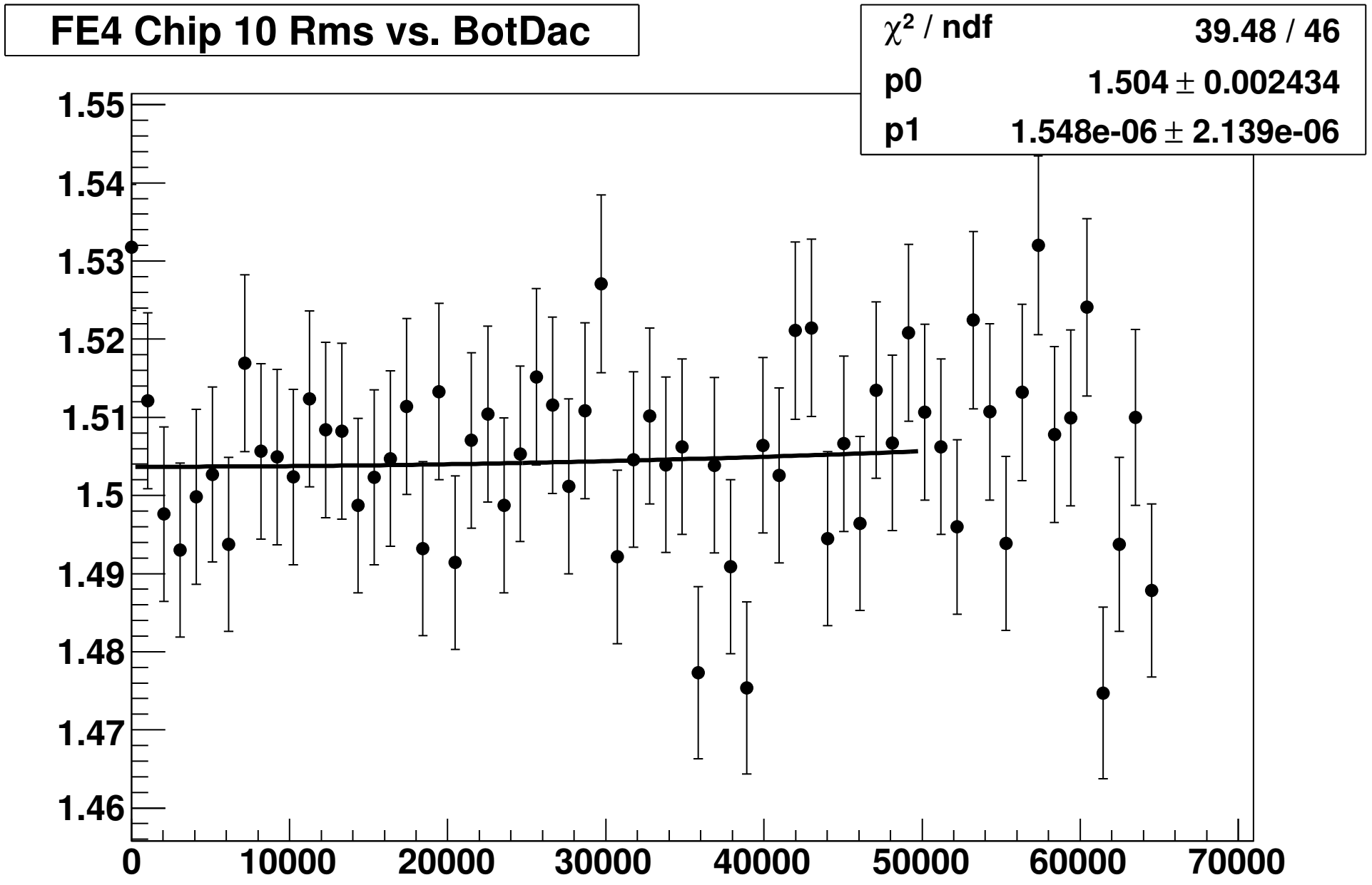
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 39.48 / 46
p0 1.504 ± 0.002434
p1 1.548e-06 ± 2.139e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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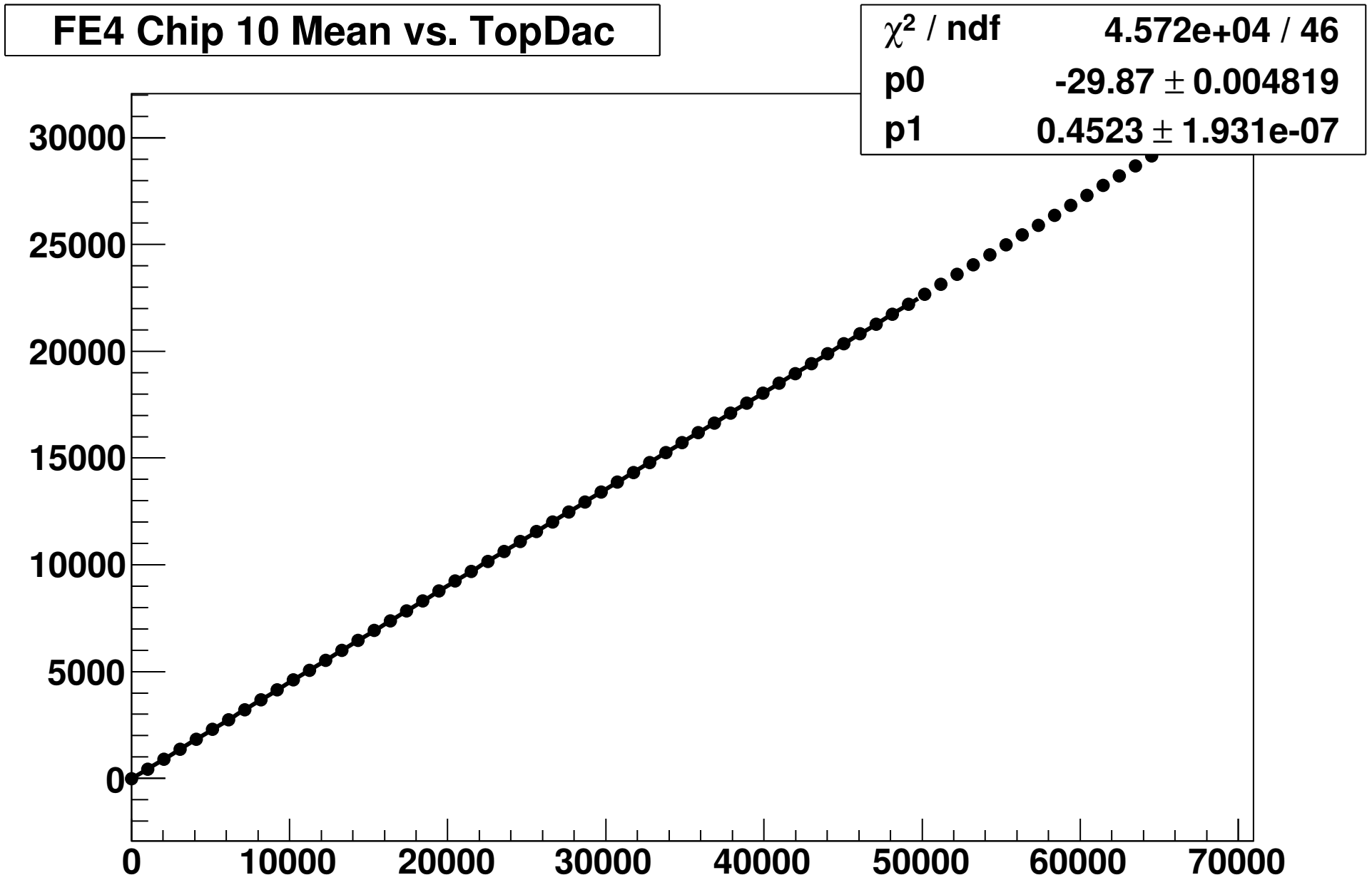
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 4.572e+04 / 46
p0 -29.87 ± 0.004819
p1 0.4523 ± 1.931e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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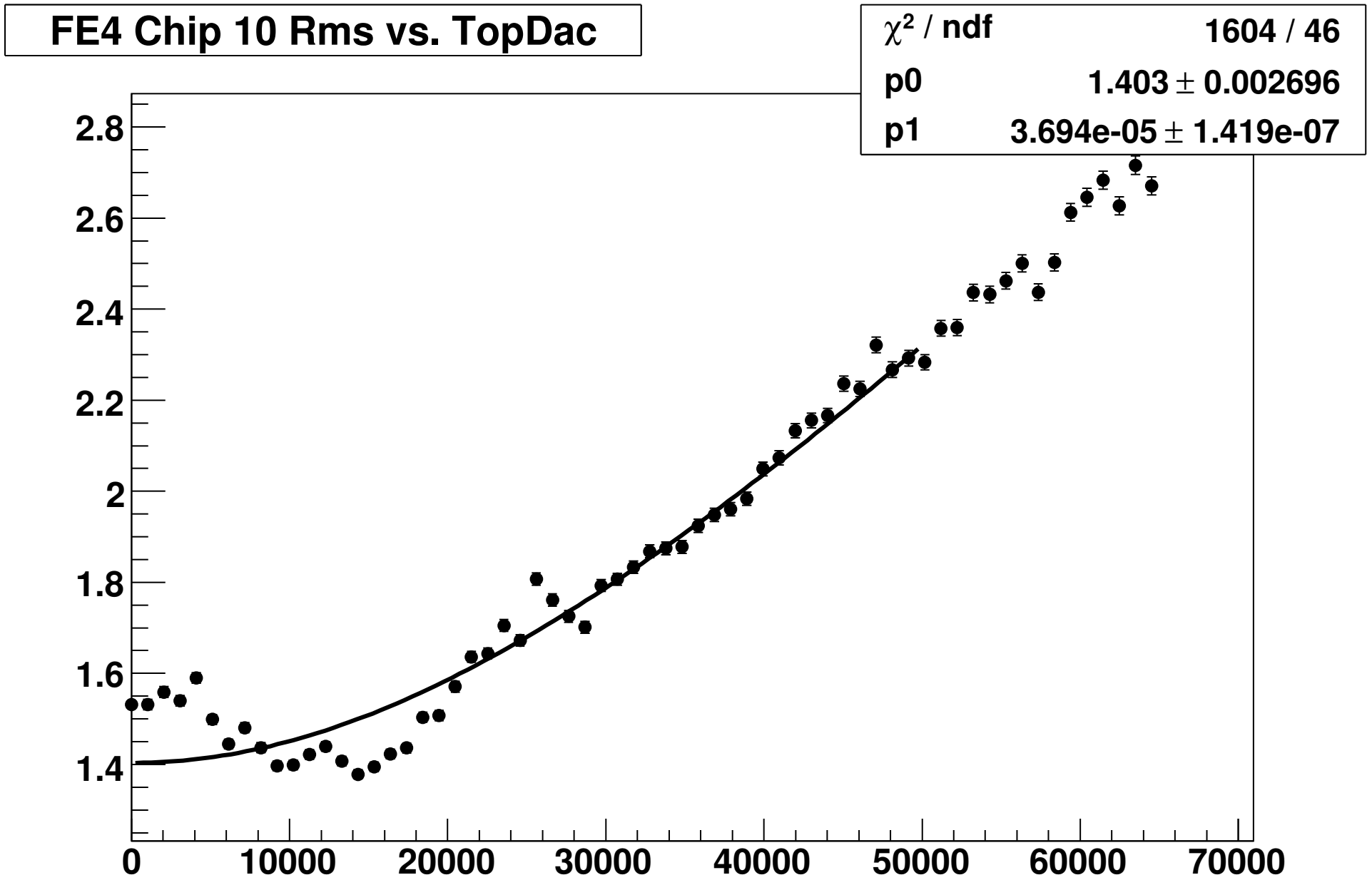
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1604 / 46
p0 1.403 ± 0.002696
p1 3.694e-05 ± 1.419e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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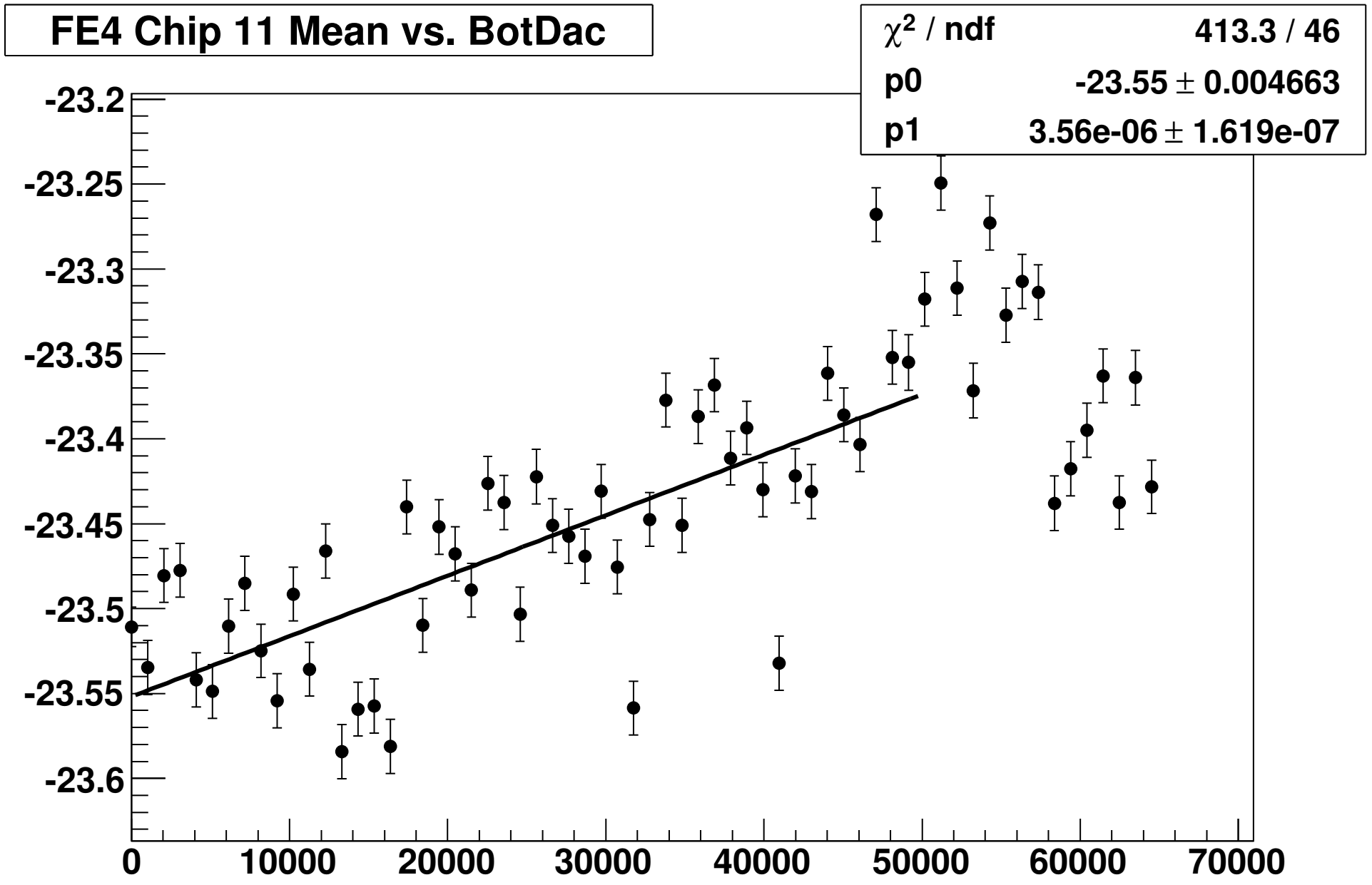
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 413.3 / 46
p0 -23.55 ± 0.004663
p1 3.56e-06 ± 1.619e-07
-23.2
-23.25
-23.3
-23.35
-23.4
-23.45
-23.5
-23.55
-23.6
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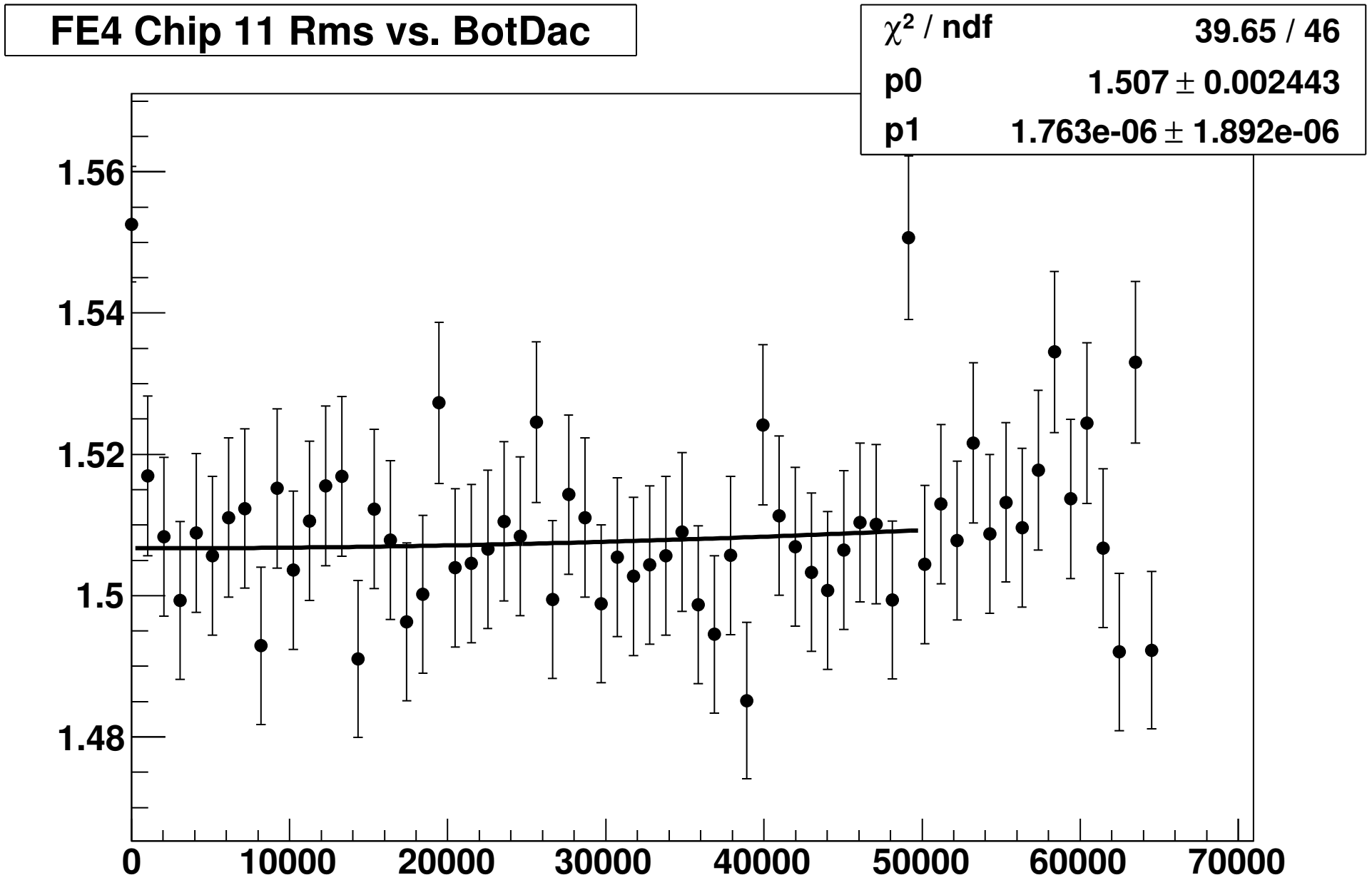
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 39.65 / 46
p0 1.507 ± 0.002443
p1 1.763e-06 ± 1.892e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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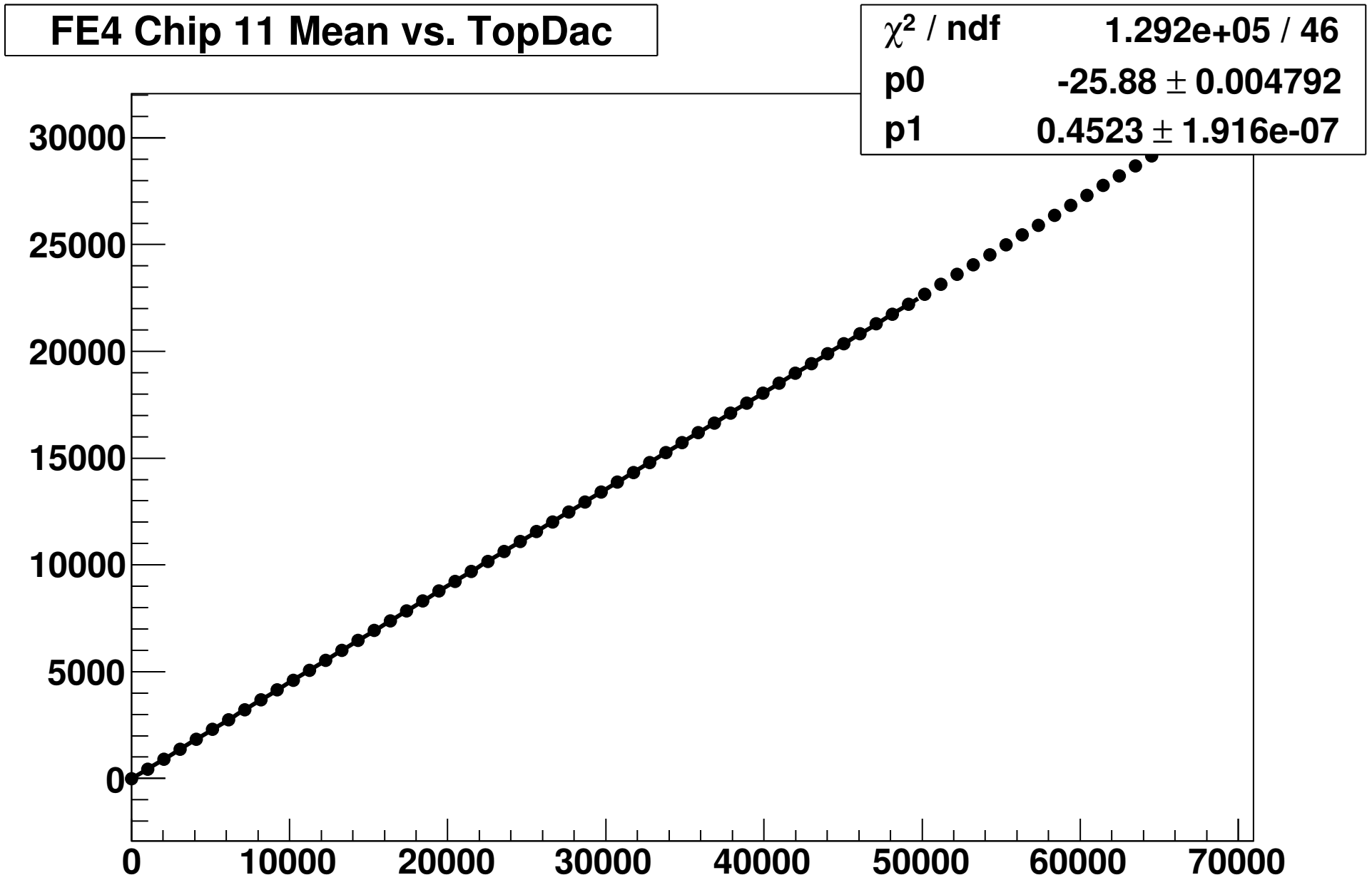
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.292e+05 / 46
p0 -25.88 ± 0.004792
p1 0.4523 ± 1.916e-07
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15000
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5000
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10000
20000
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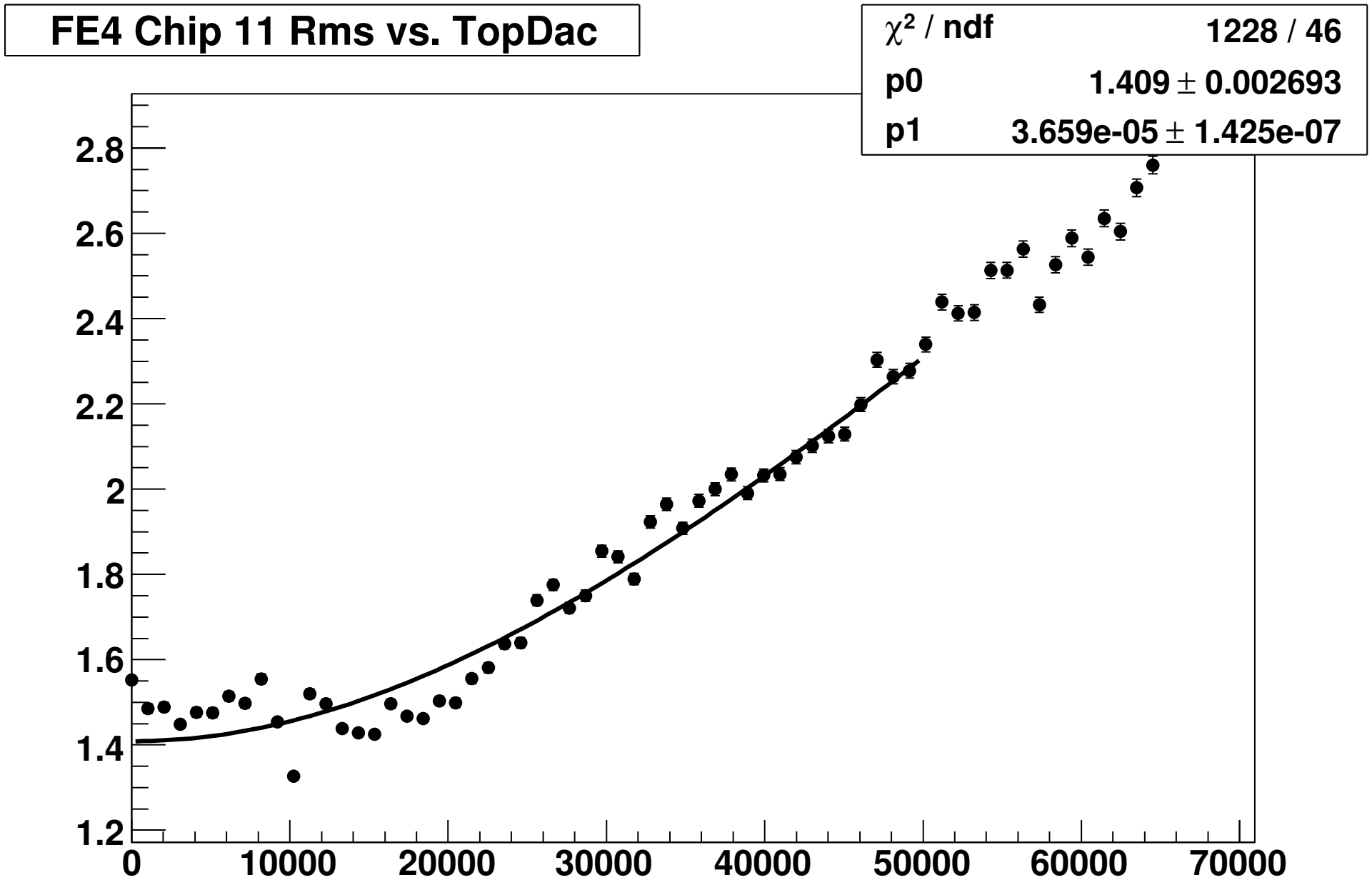
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1228 / 46
p0 1.409 ± 0.002693
p1 3.659e-05 ± 1.425e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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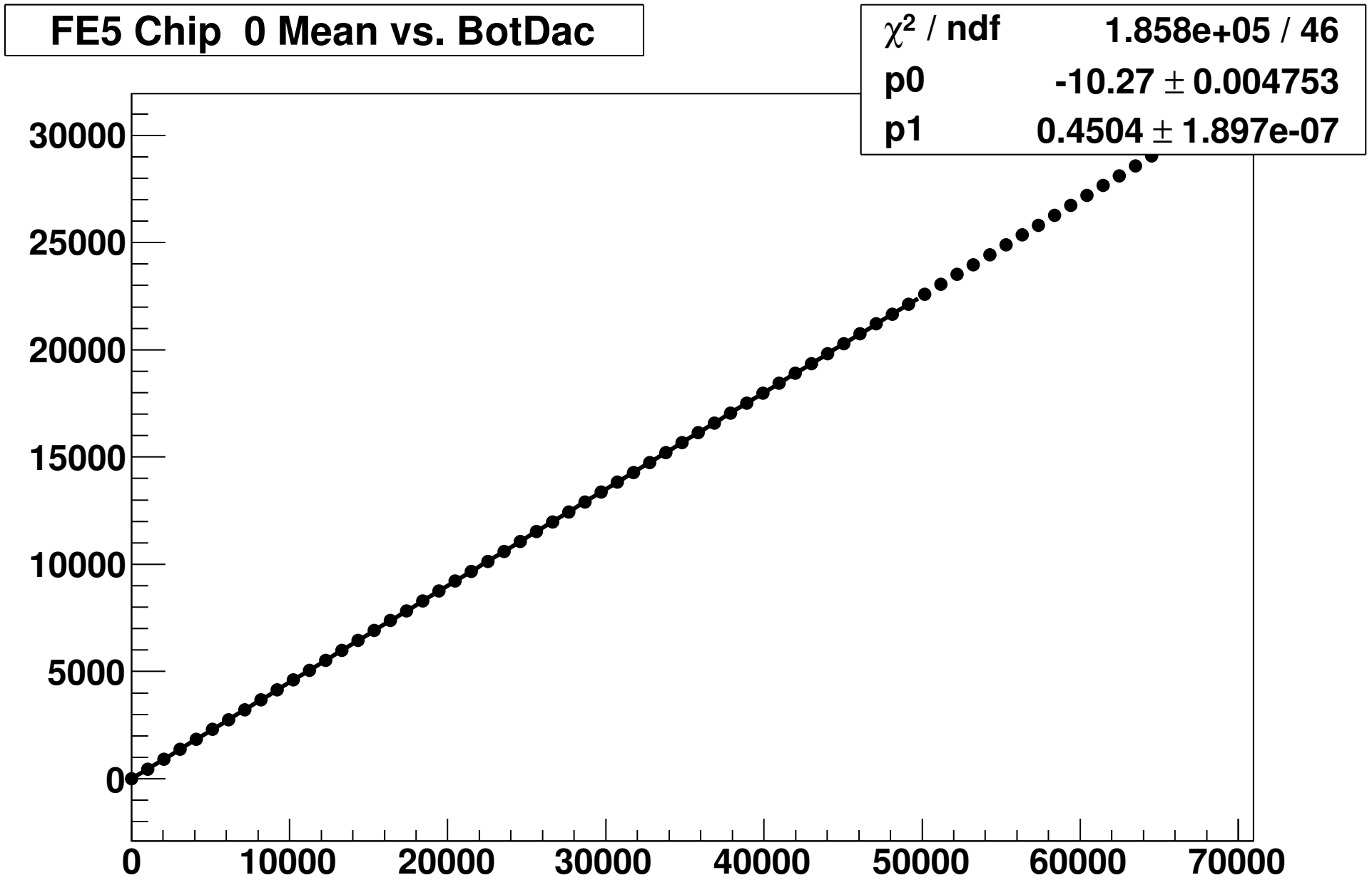
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.858e+05 / 46
p0 -10.27 ± 0.004753
p1 0.4504 ± 1.897e-07
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20000
15000
10000
5000
0
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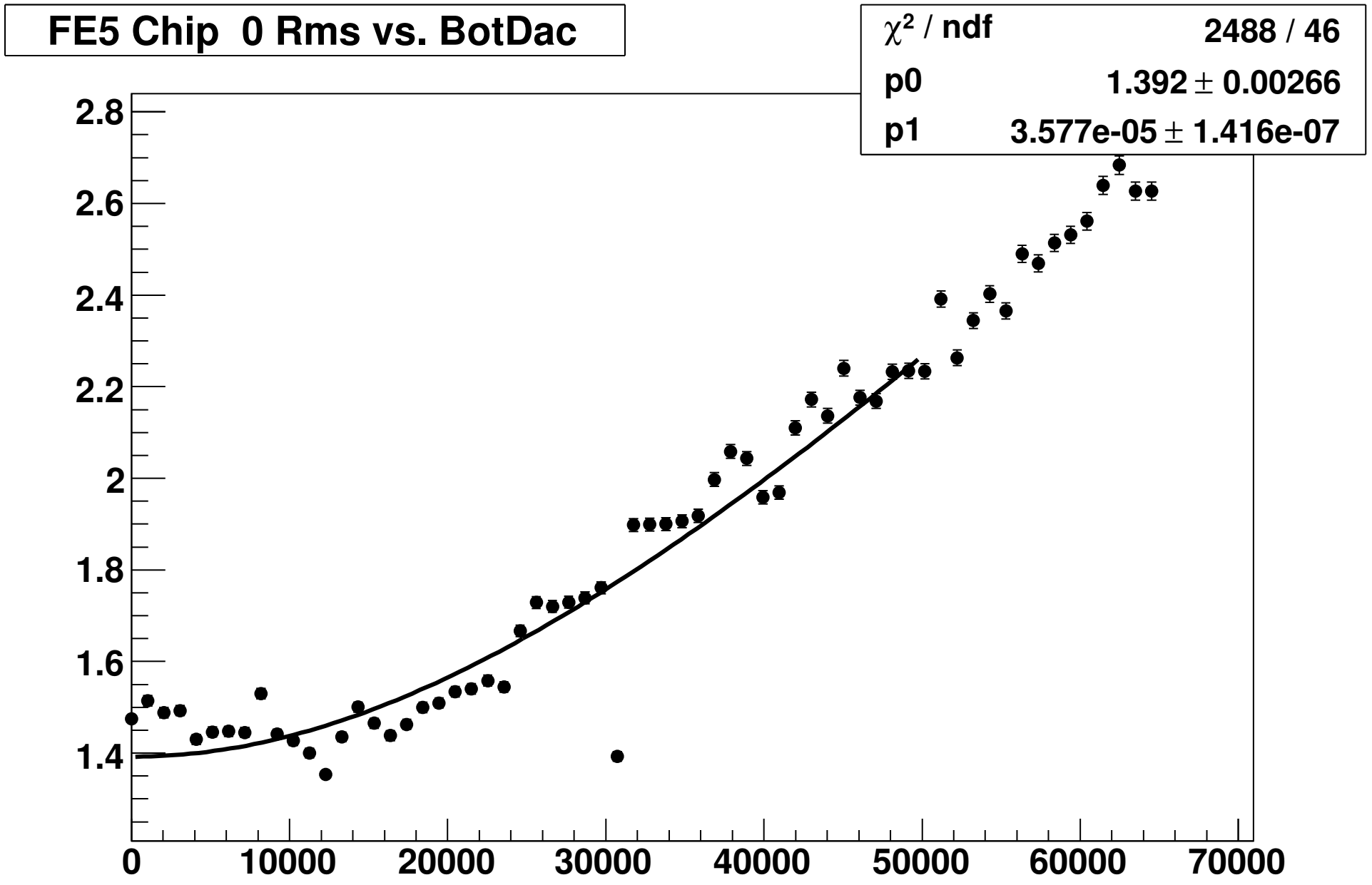
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 2488 / 46
p0 1.392 ± 0.00266
p1 3.577e-05 ± 1.416e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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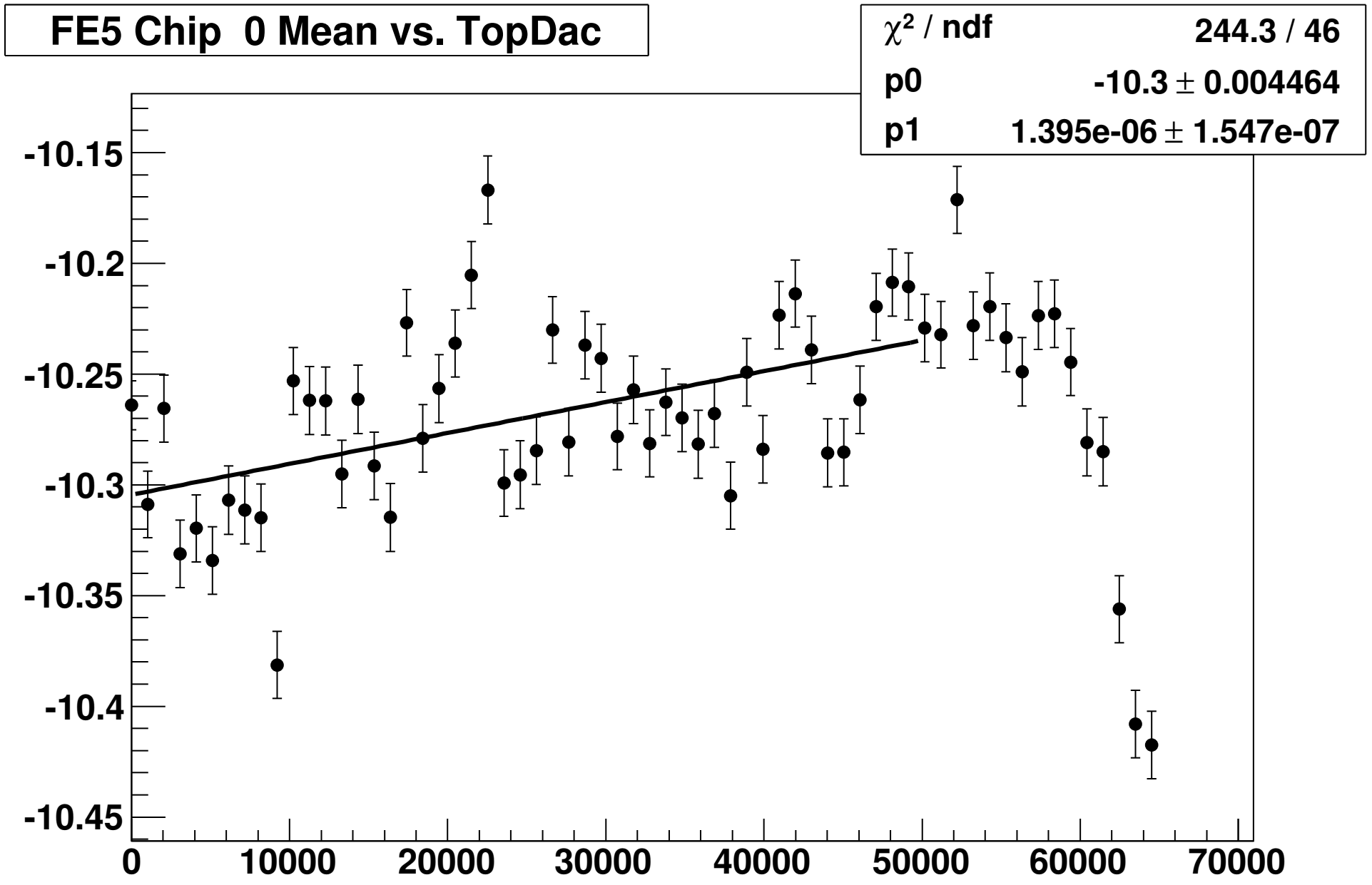
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 244.3 / 46
p0 -10.3 ± 0.004464
p1 1.395e-06 ± 1.547e-07
-10.15
-10.2
-10.25
-10.3
-10.35
-10.4
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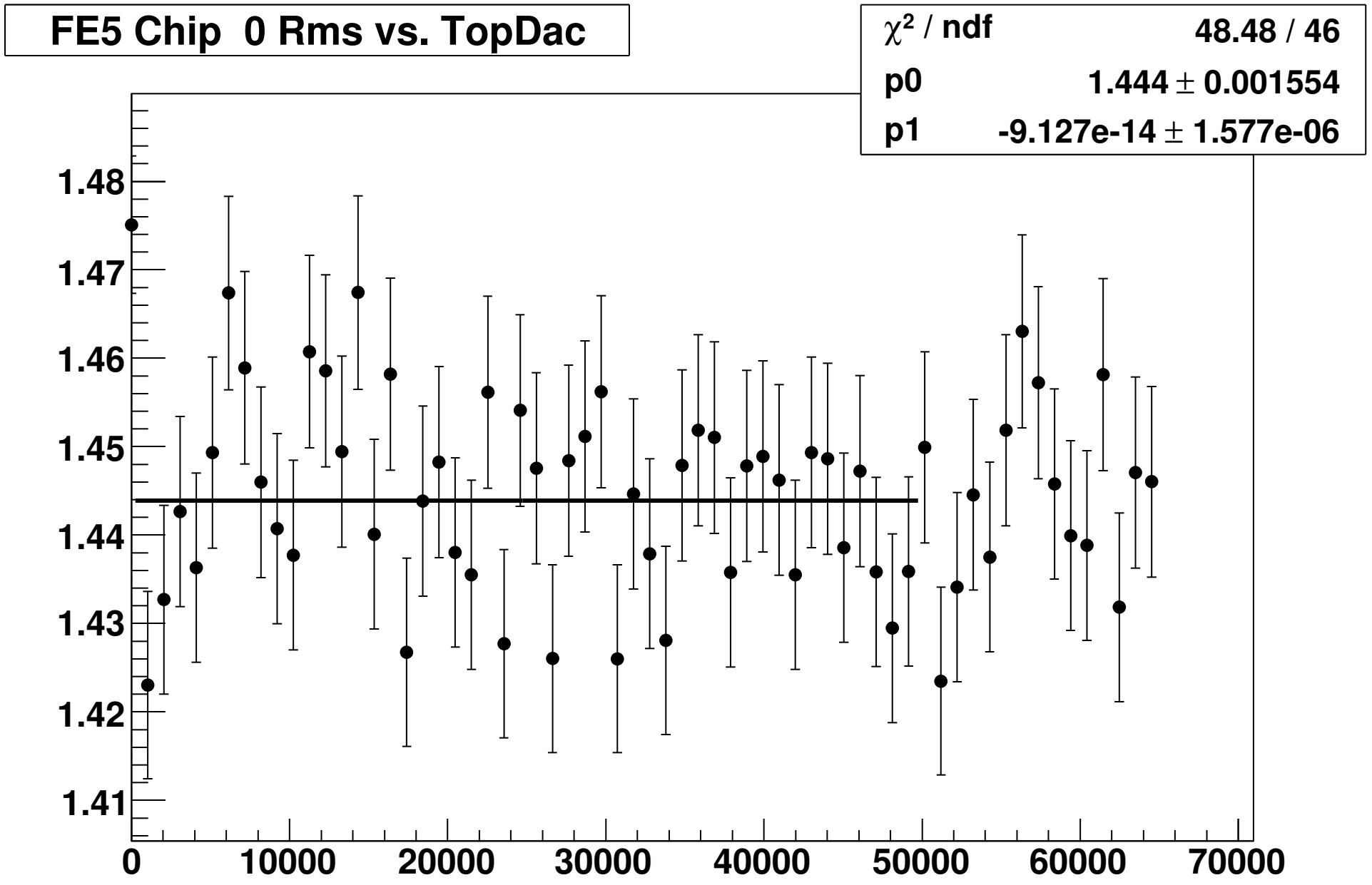
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 48.48 / 46
p0 1.444 ± 0.001554
p1 -9.127e-14 ± 1.577e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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20000
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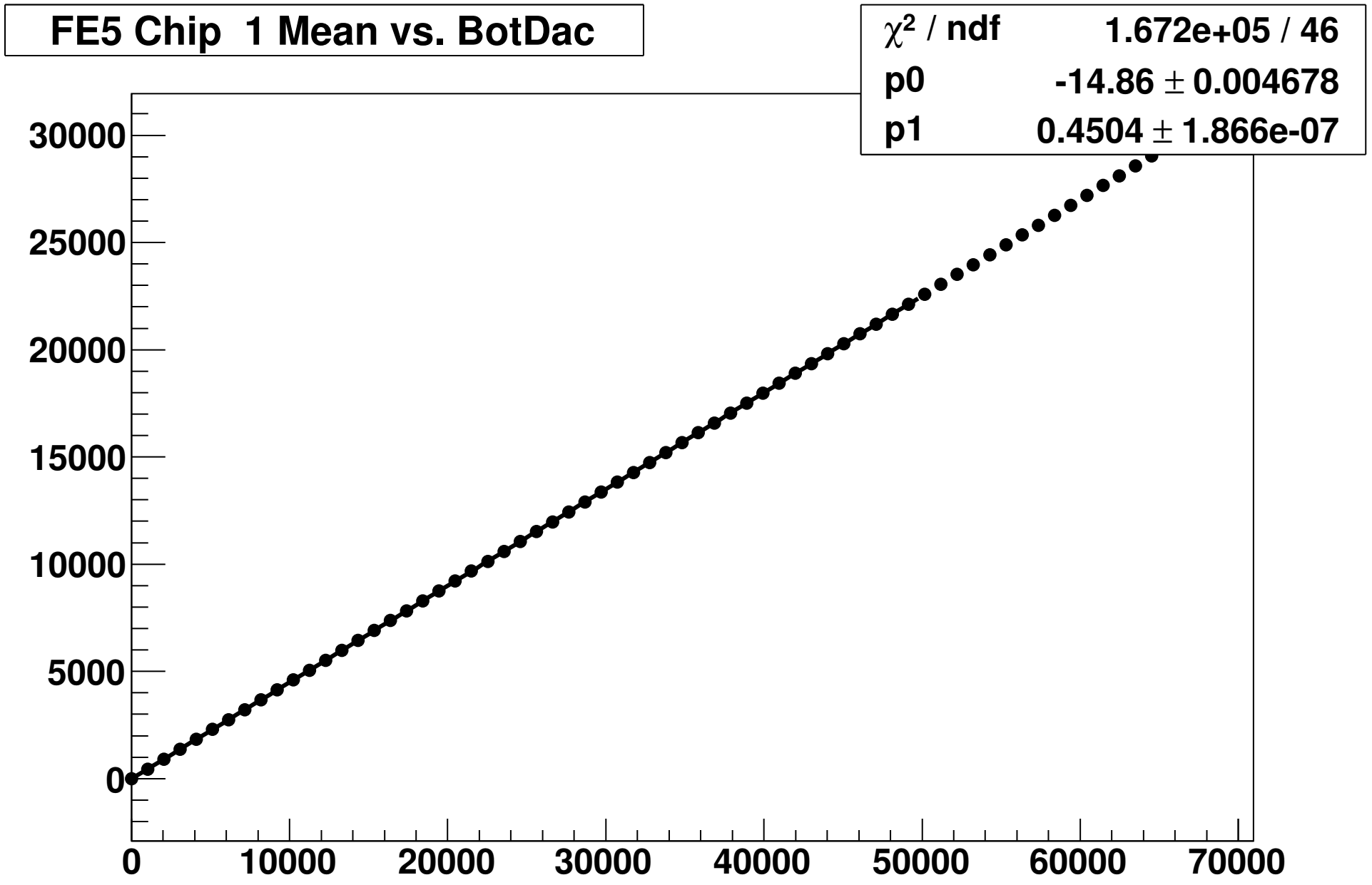
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.672e+05 / 46
p0 -14.86 ± 0.004678
p1 0.4504 ± 1.866e-07
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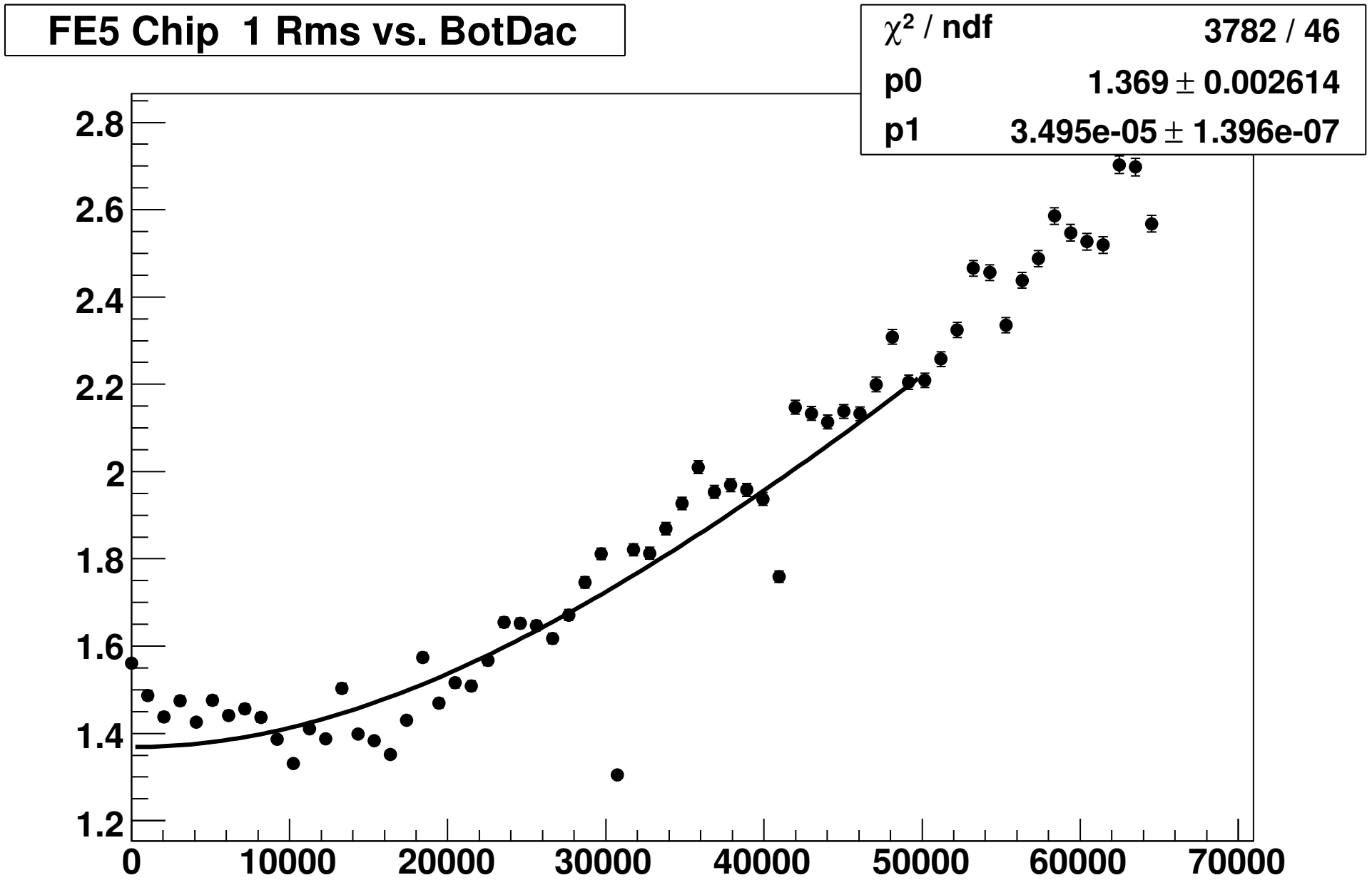
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 3782 / 46
p0 1.369 ± 0.002614
p1 3.495e-05 ± 1.396e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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30000
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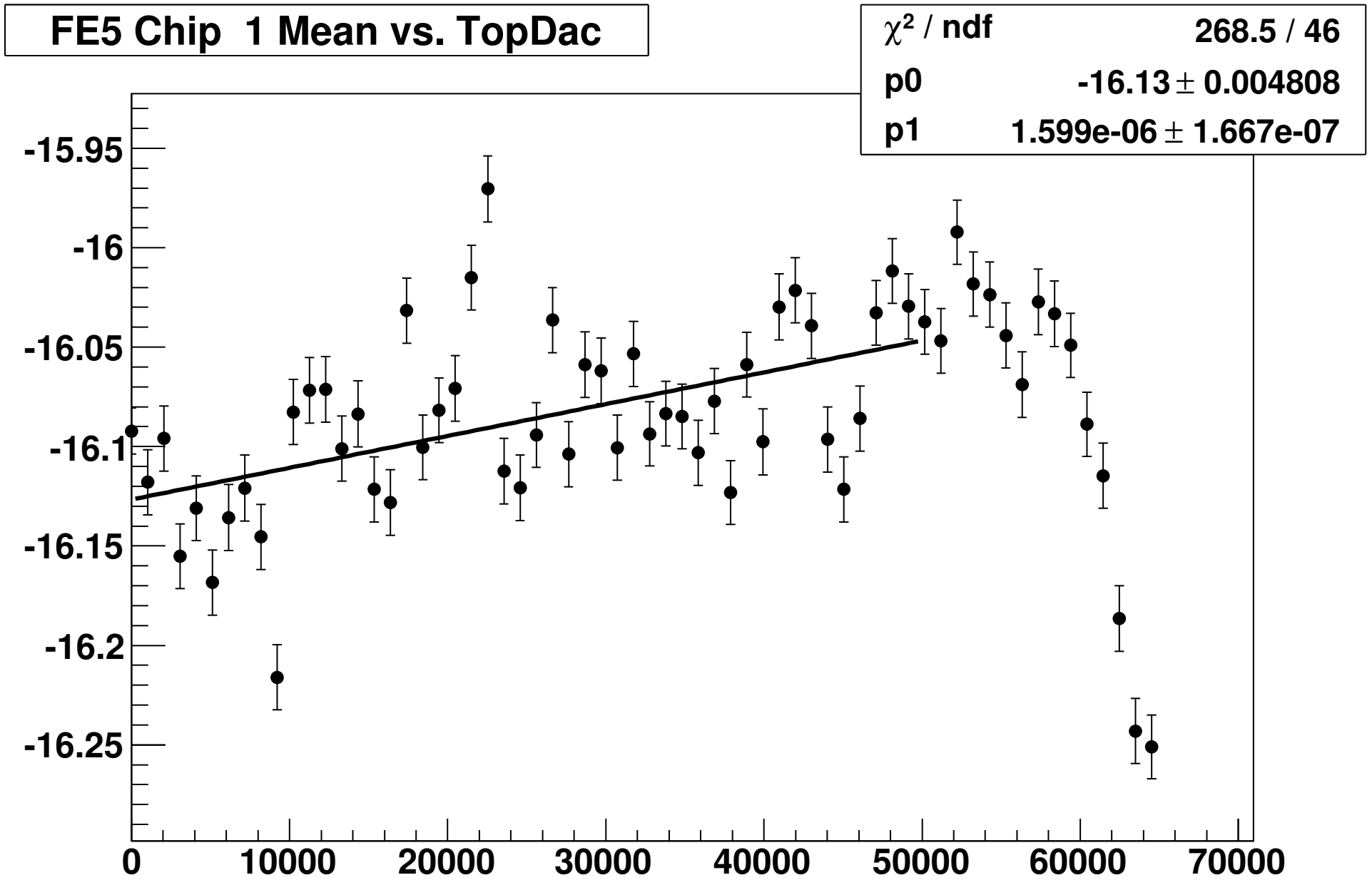
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 268.5 / 46
p0 -16.13 ± 0.004808
p1 1.599e-06 ± 1.667e-07
-15.95
-16
-16.05
-16.1
-16.15
-16.2
-16.25
0
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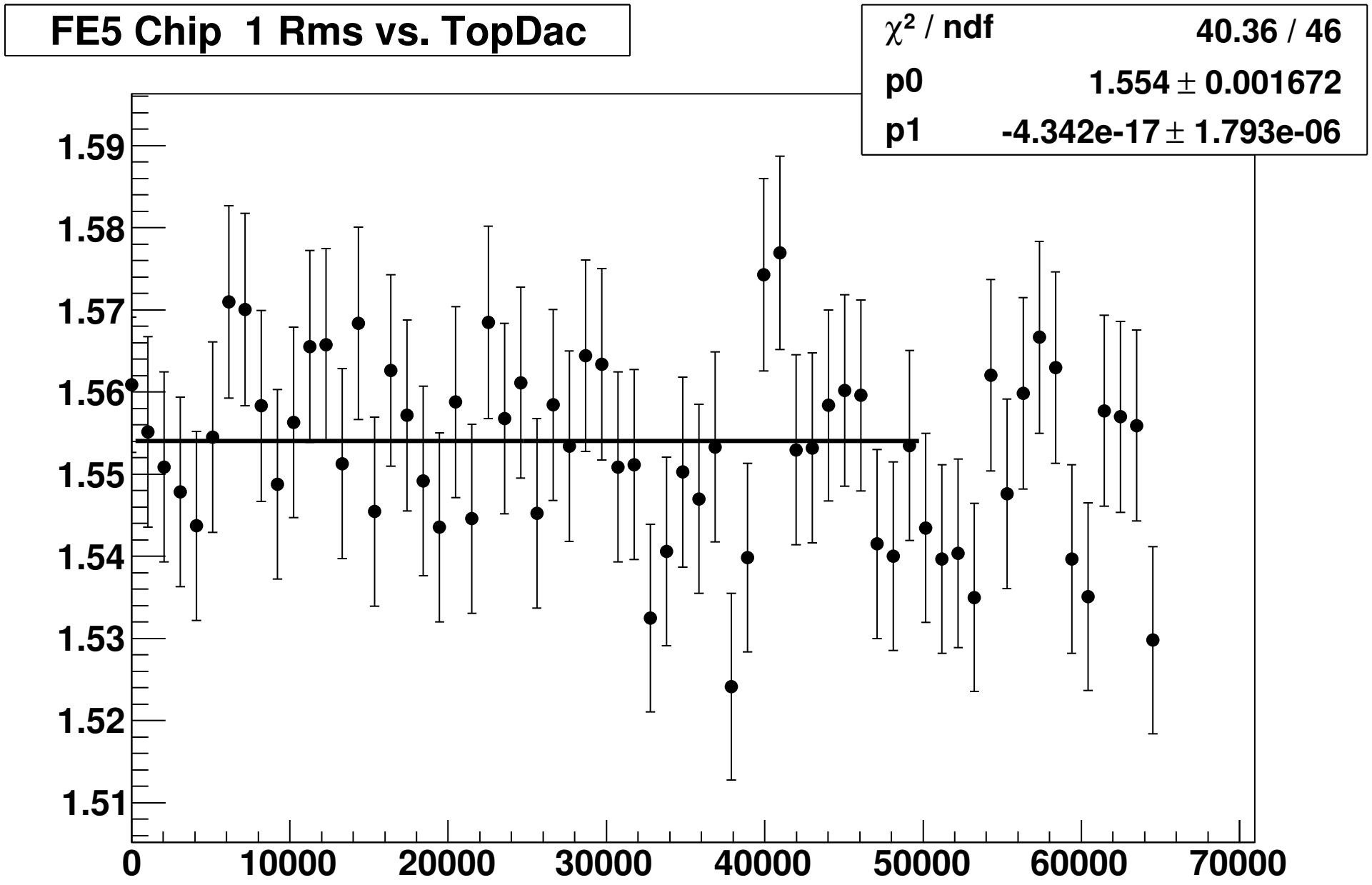
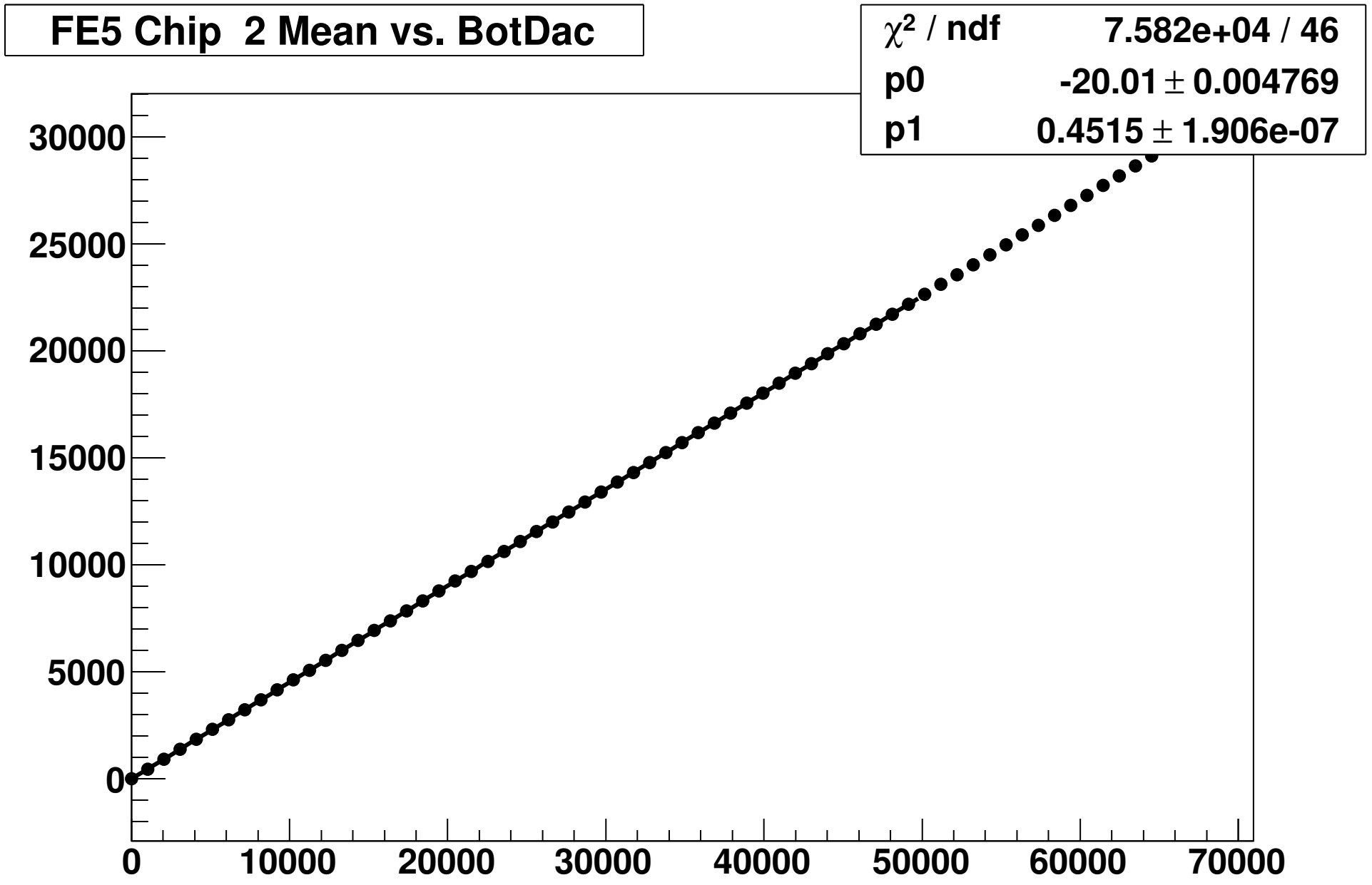
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 40.36 / 46
p0 1.554 ± 0.001672
p1 -4.342e-17 ± 1.793e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 7.582e+04 / 46
p0 -20.01 ± 0.004769
p1 0.4515 ± 1.906e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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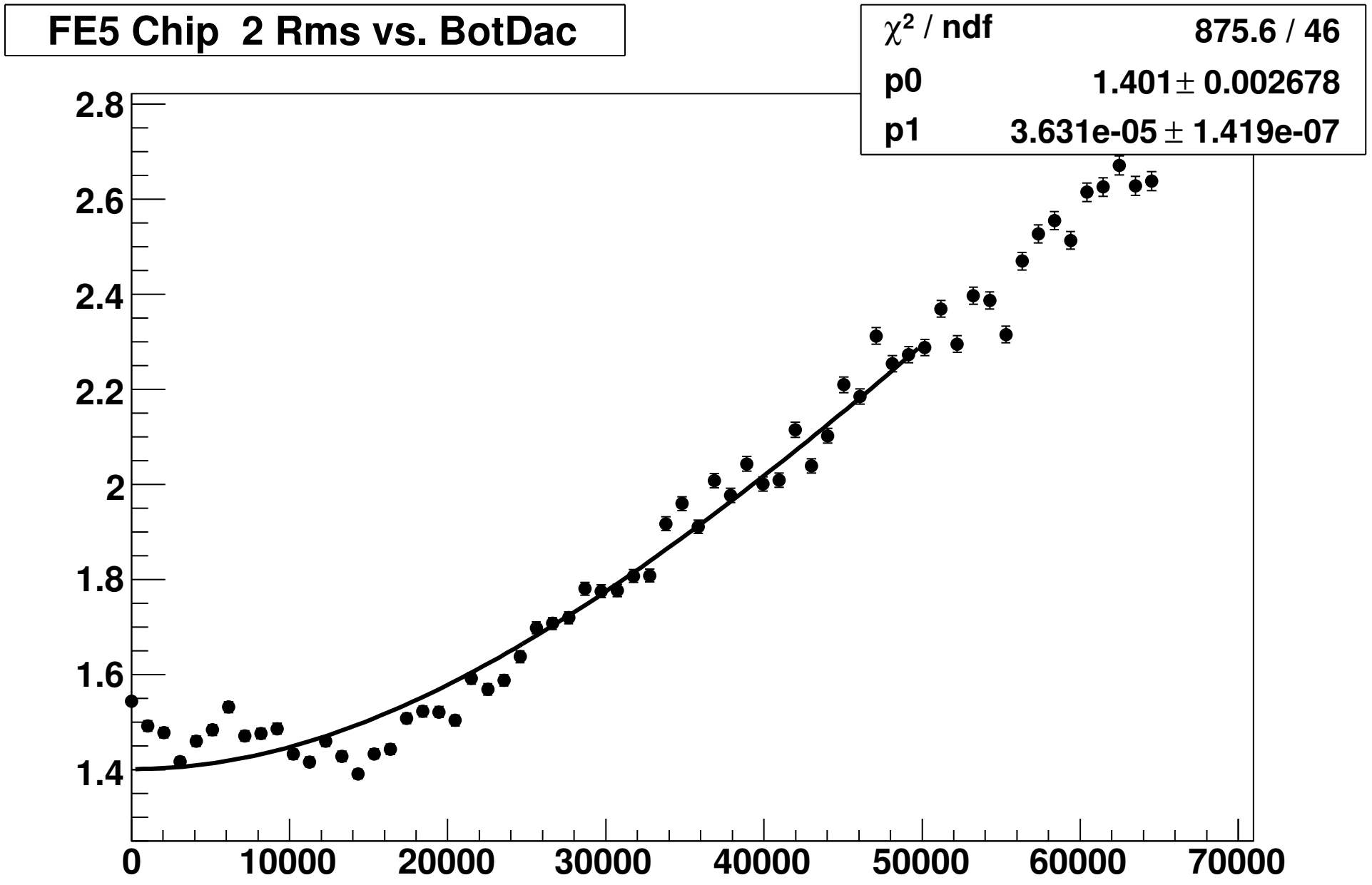
FE5 Chip 2 Rms vs. BotDac
χ² / ndf 875.6 / 46
p0 1.401 ± 0.002678
p1 3.631e-05 ± 1.419e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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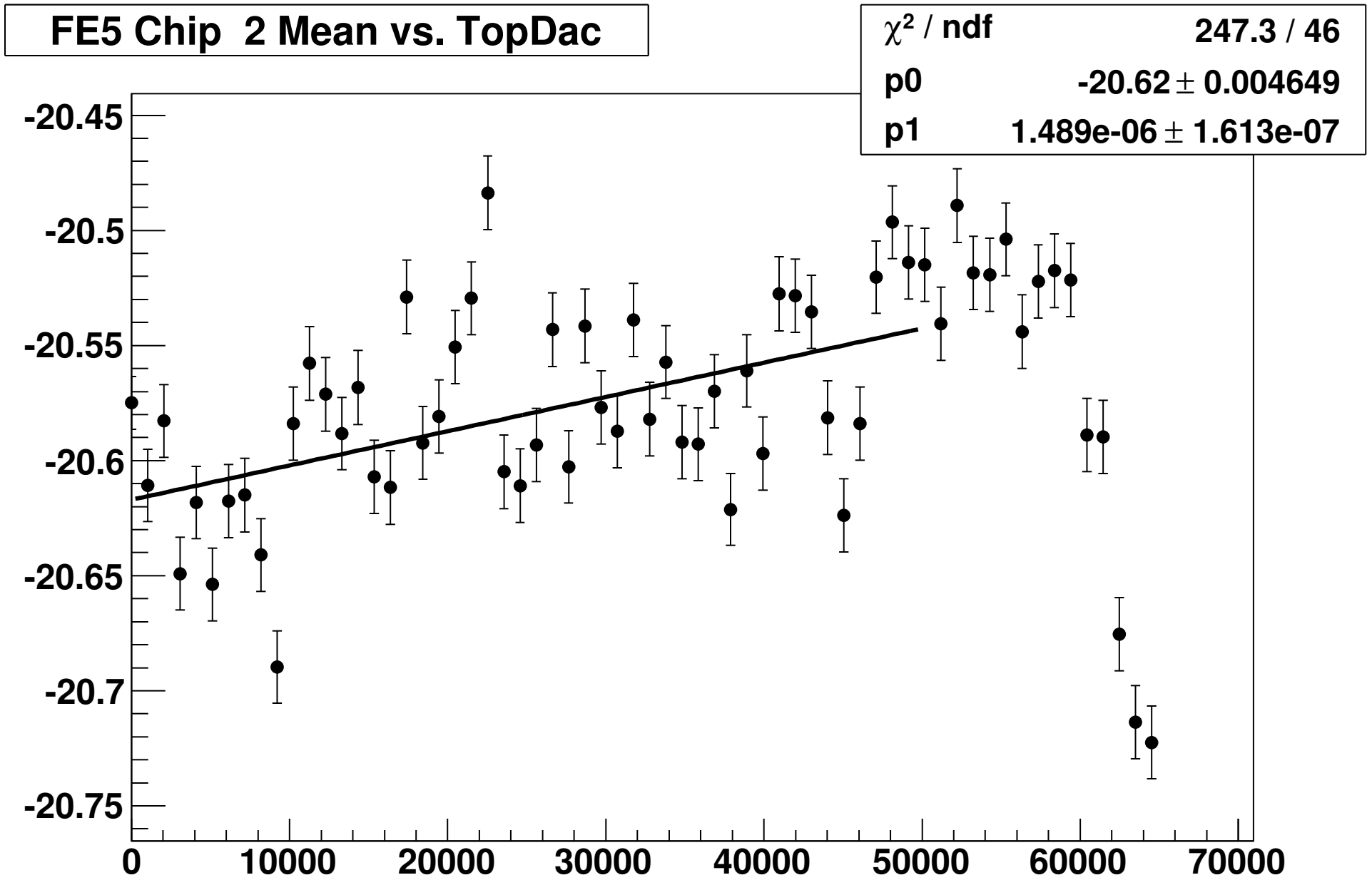
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 247.3 / 46
p0 -20.62 ± 0.004649
p1 1.489e-06 ± 1.613e-07
-20.45
-20.5
-20.55
-20.6
-20.65
-20.7
-20.75
0
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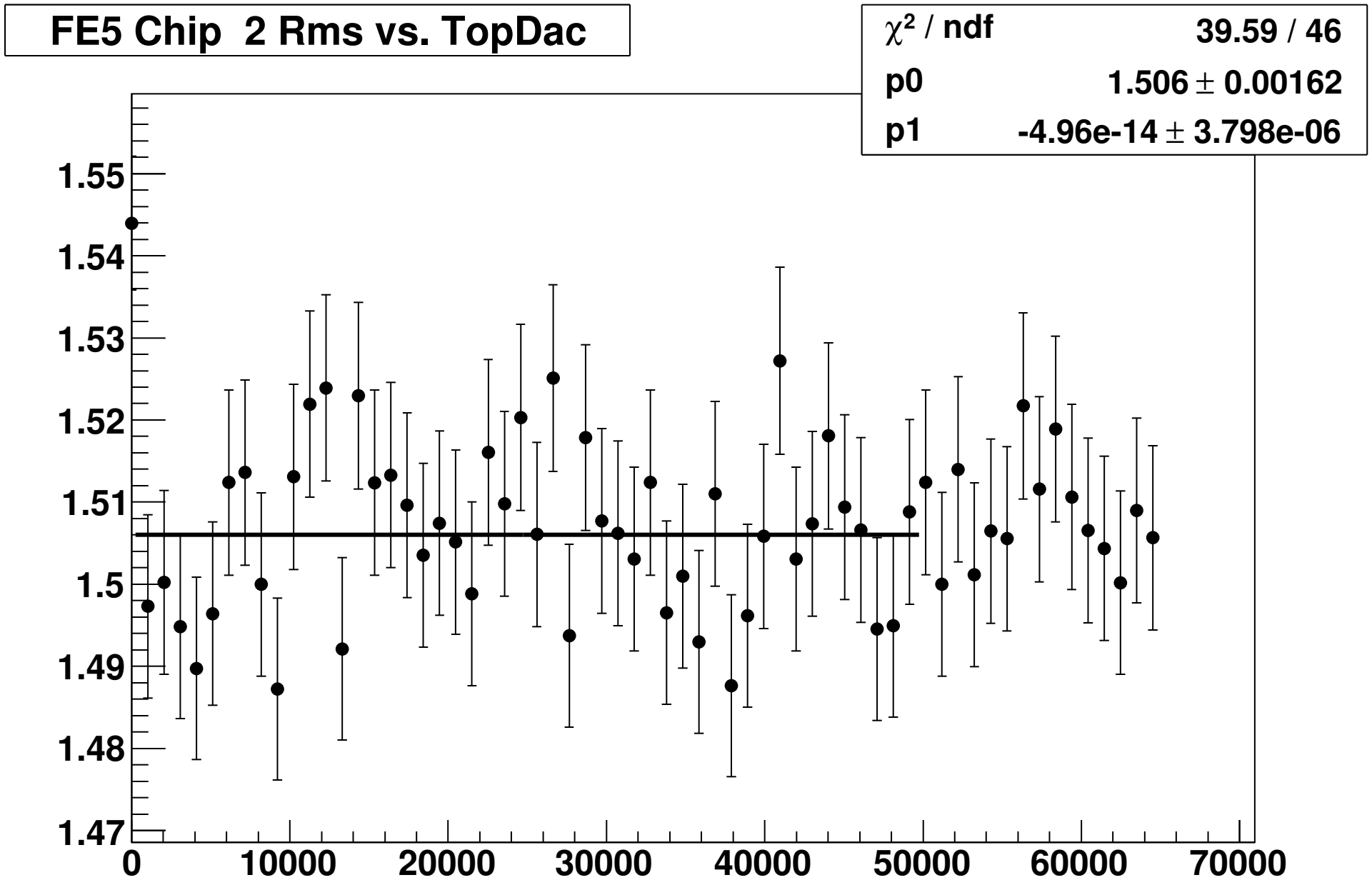
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 39.59 / 46
p0 1.506 ± 0.00162
p1 -4.96e-14 ± 3.798e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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20000
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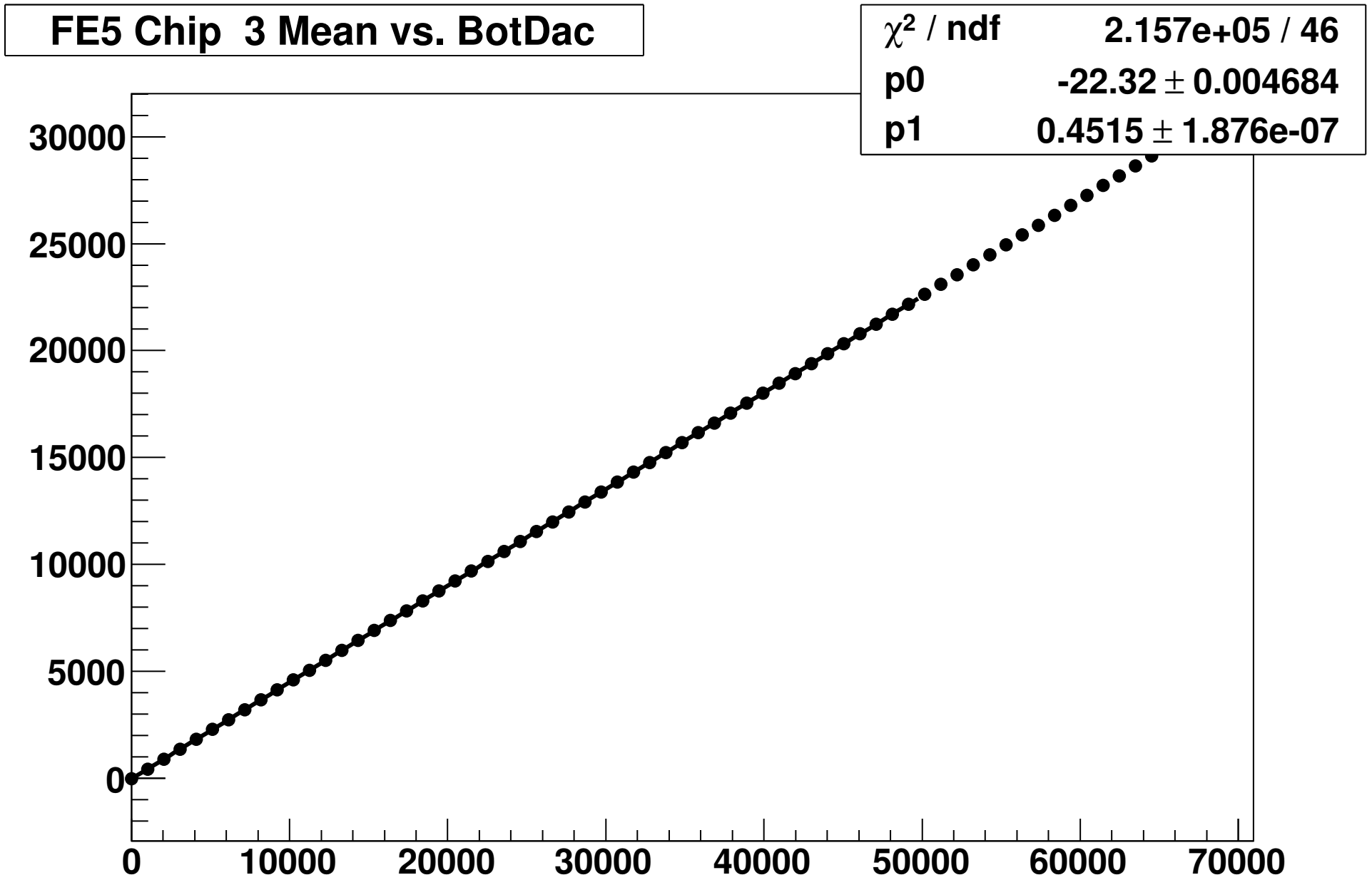
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 2.157e+05 / 46
p0 -22.32 ± 0.004684
p1 0.4515 ± 1.876e-07
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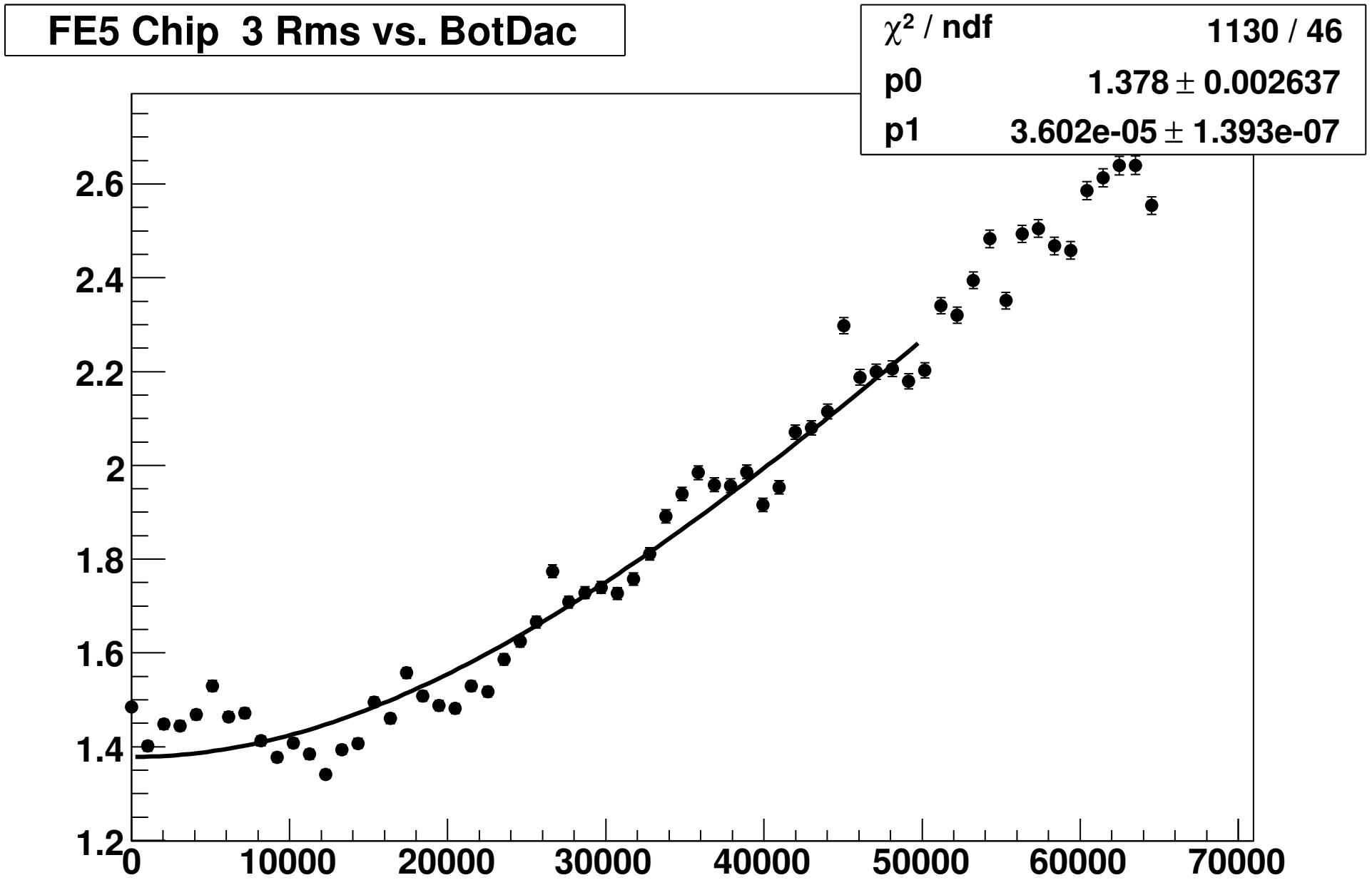
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1130 / 46
p0 1.378 ± 0.002637
p1 3.602e-05 ± 1.393e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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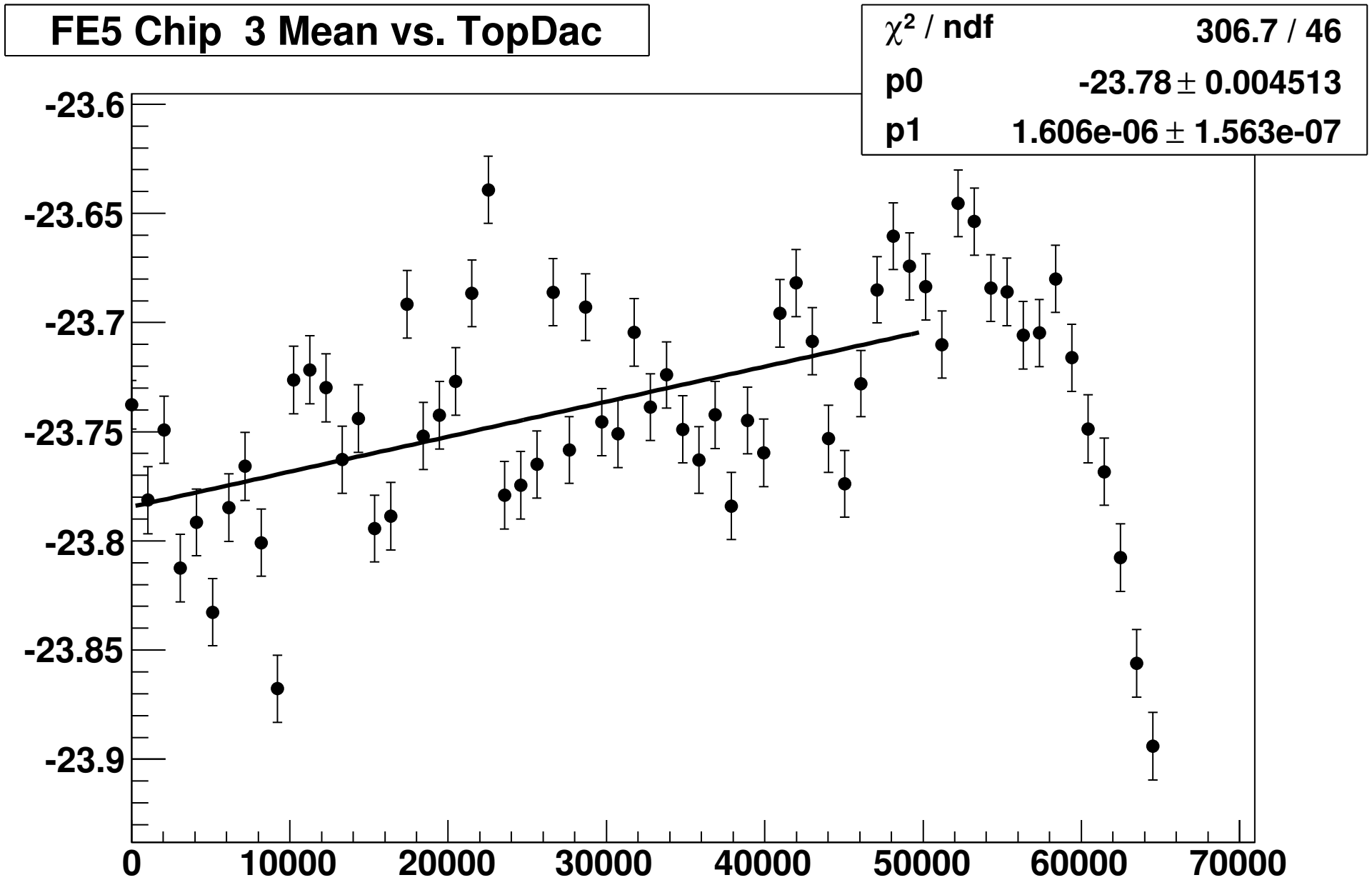
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 306.7 / 46
p0 -23.78 ± 0.004513
p1 1.606e-06 ± 1.563e-07
-23.6
-23.65
-23.7
-23.75
-23.8
-23.85
-23.9
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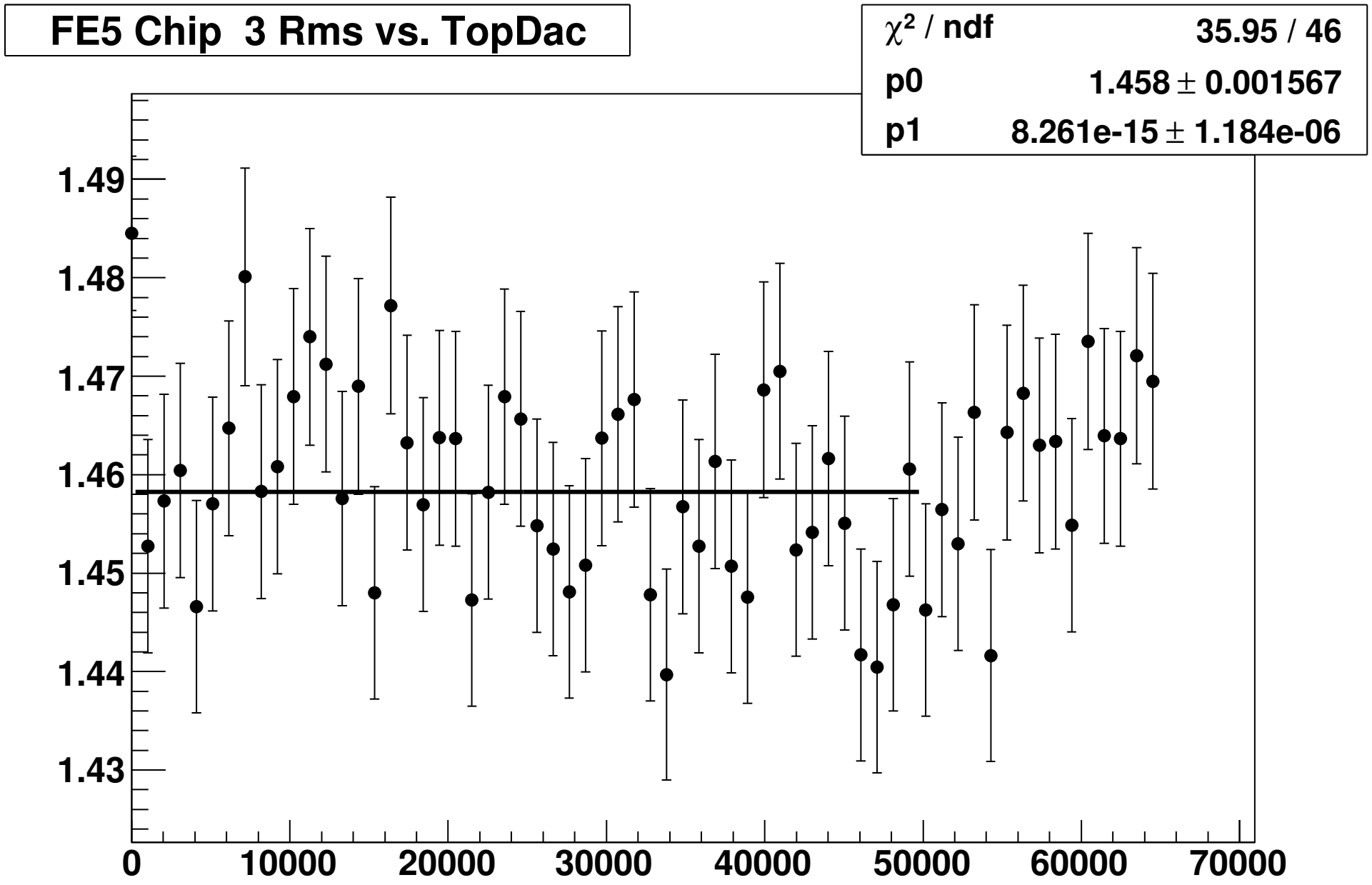
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 35.95 / 46
p0 1.458 ± 0.001567
p1 8.261e-15 ± 1.184e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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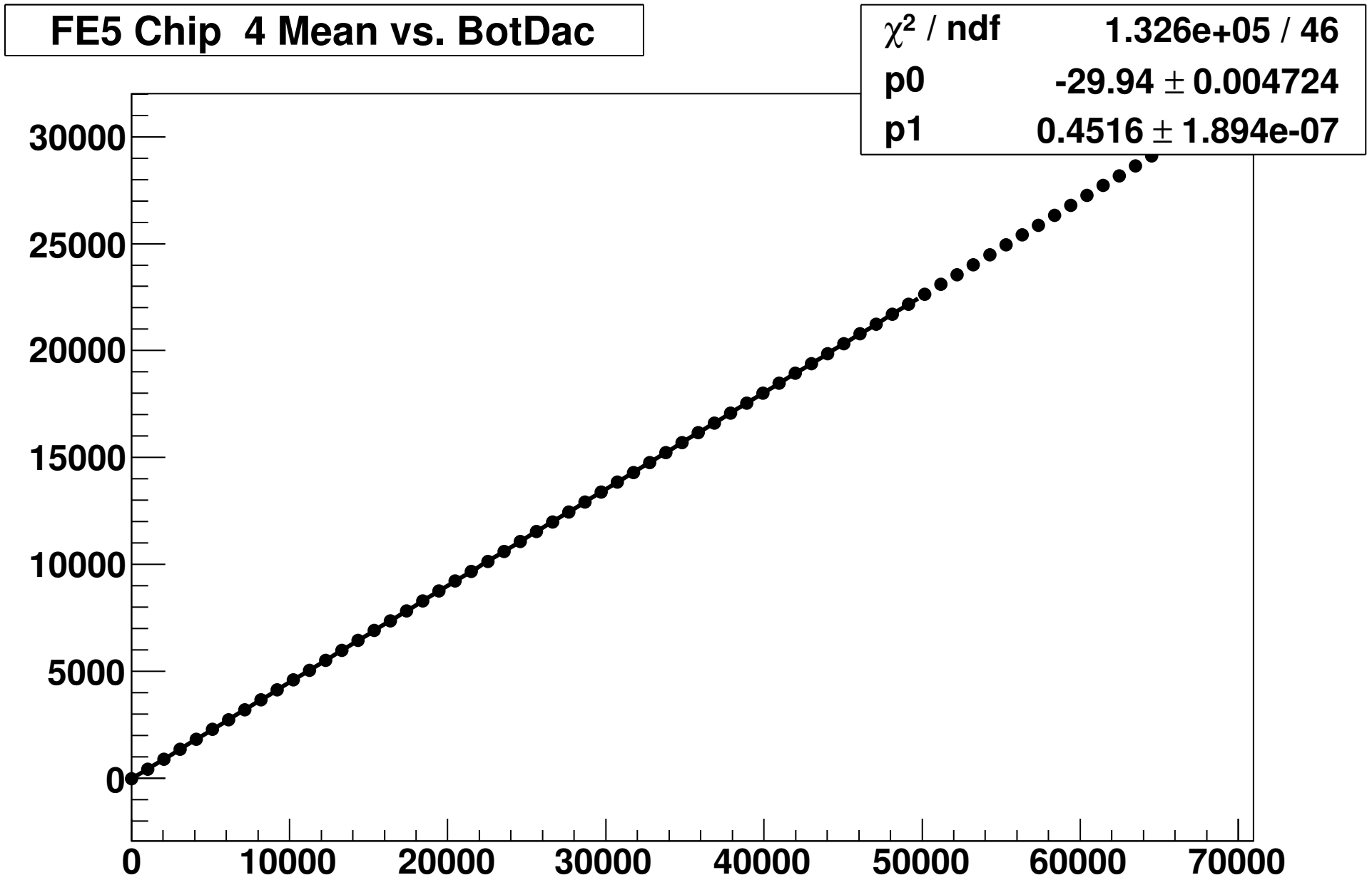
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.326e+05 / 46
p0 -29.94 ± 0.004724
p1 0.4516 ± 1.894e-07
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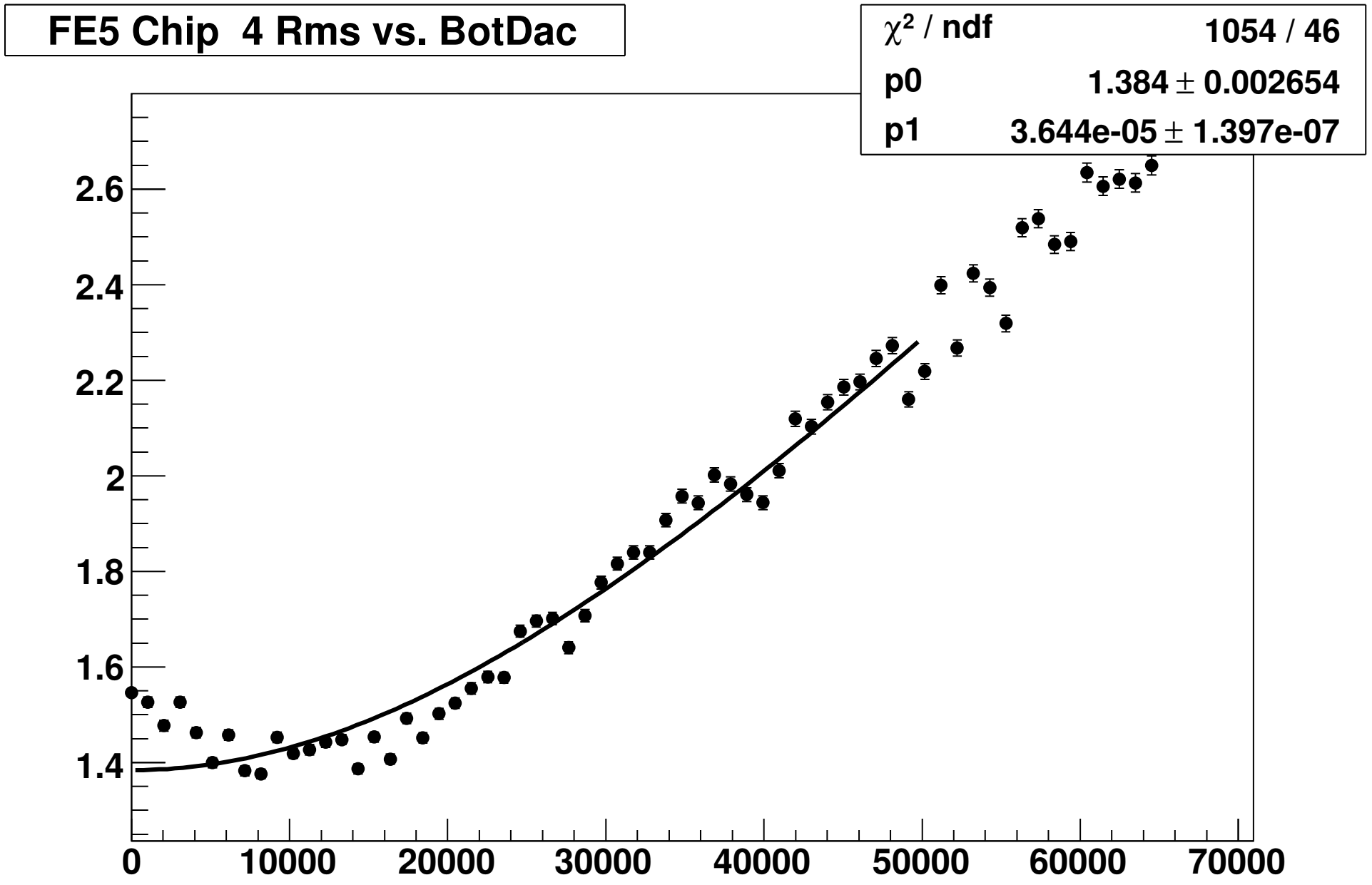
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1054 / 46
p0 1.384 ± 0.002654
p1 3.644e-05 ± 1.397e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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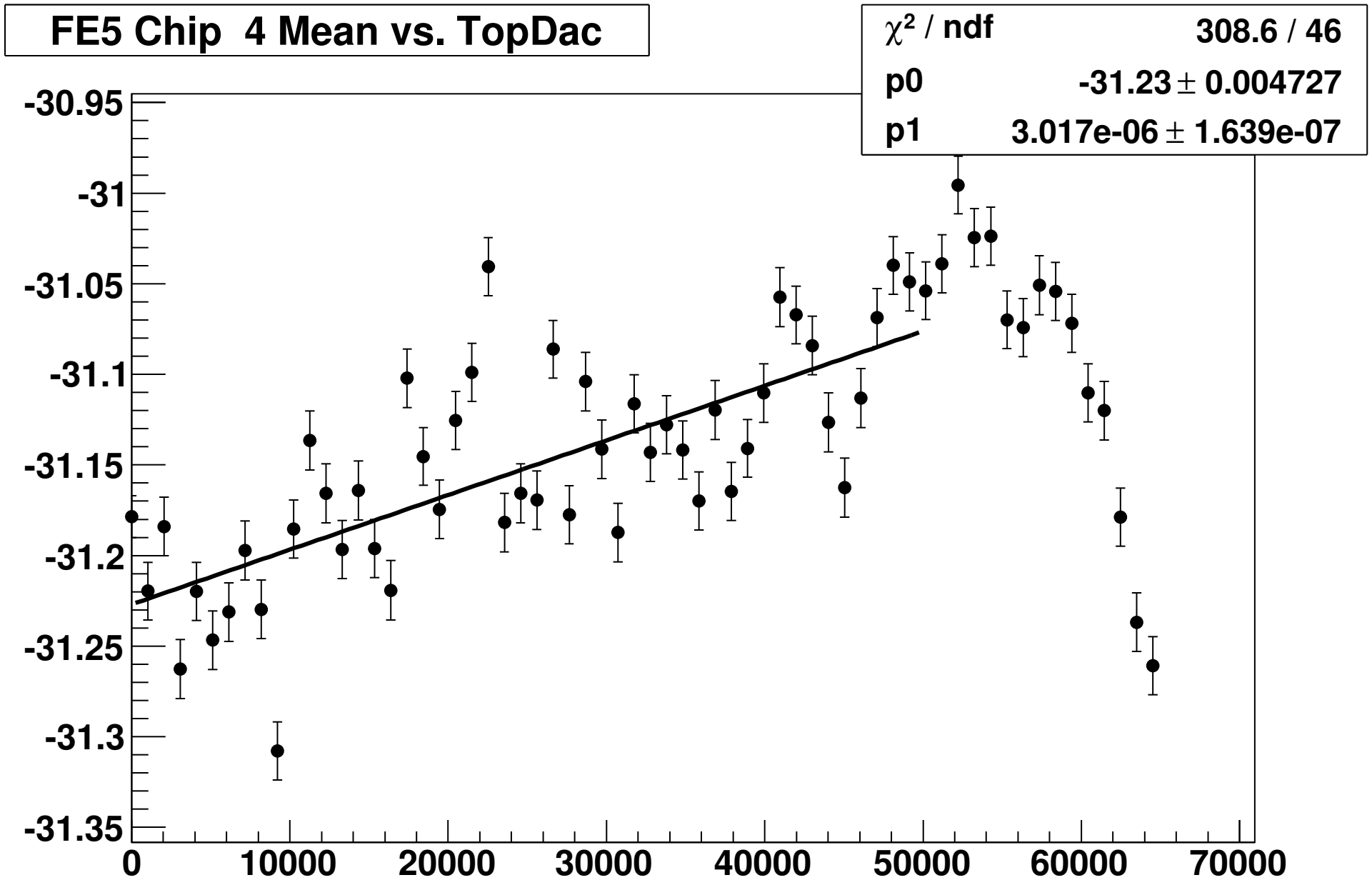
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 308.6 / 46
p0 -31.23 ± 0.004727
p1 3.017e-06 ± 1.639e-07
-30.95
-31
-31.05
-31.1
-31.15
-31.2
-31.25
-31.3
-31.35
0
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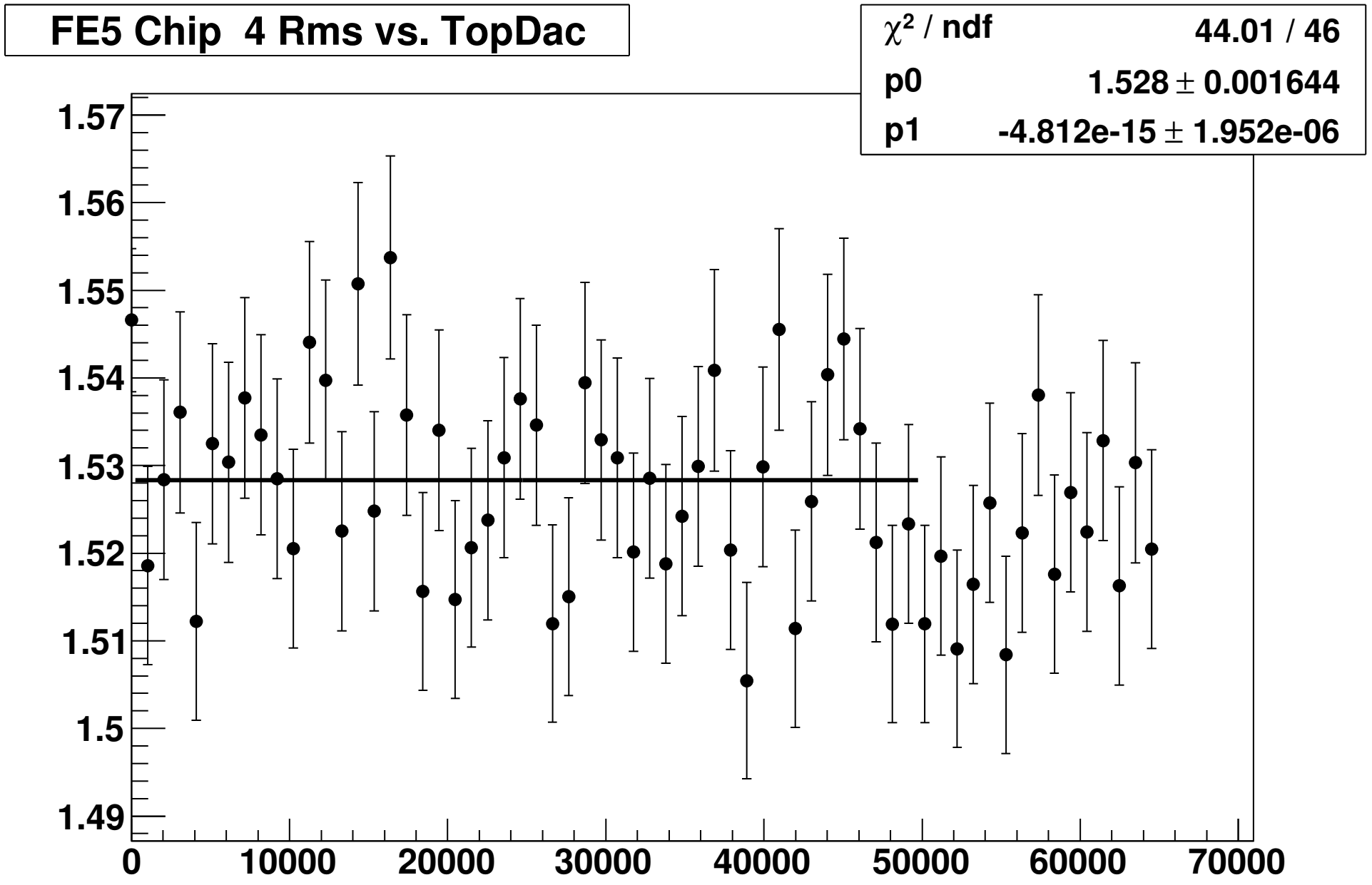
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 44.01 / 46
p0 1.528 ± 0.001644
p1 -4.812e-15 ± 1.952e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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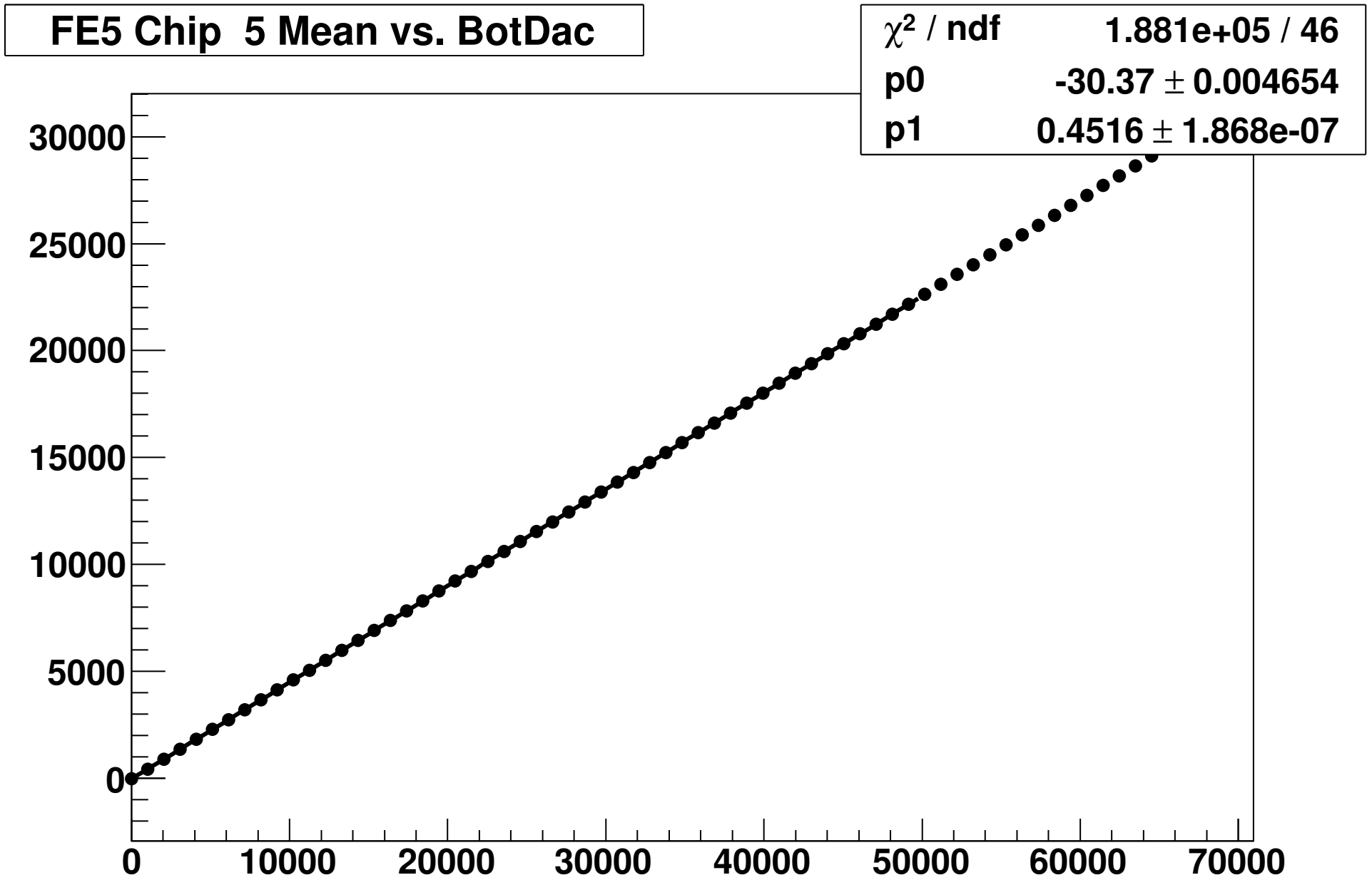
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.881e+05 / 46
p0 -30.37 ± 0.004654
p1 0.4516 ± 1.868e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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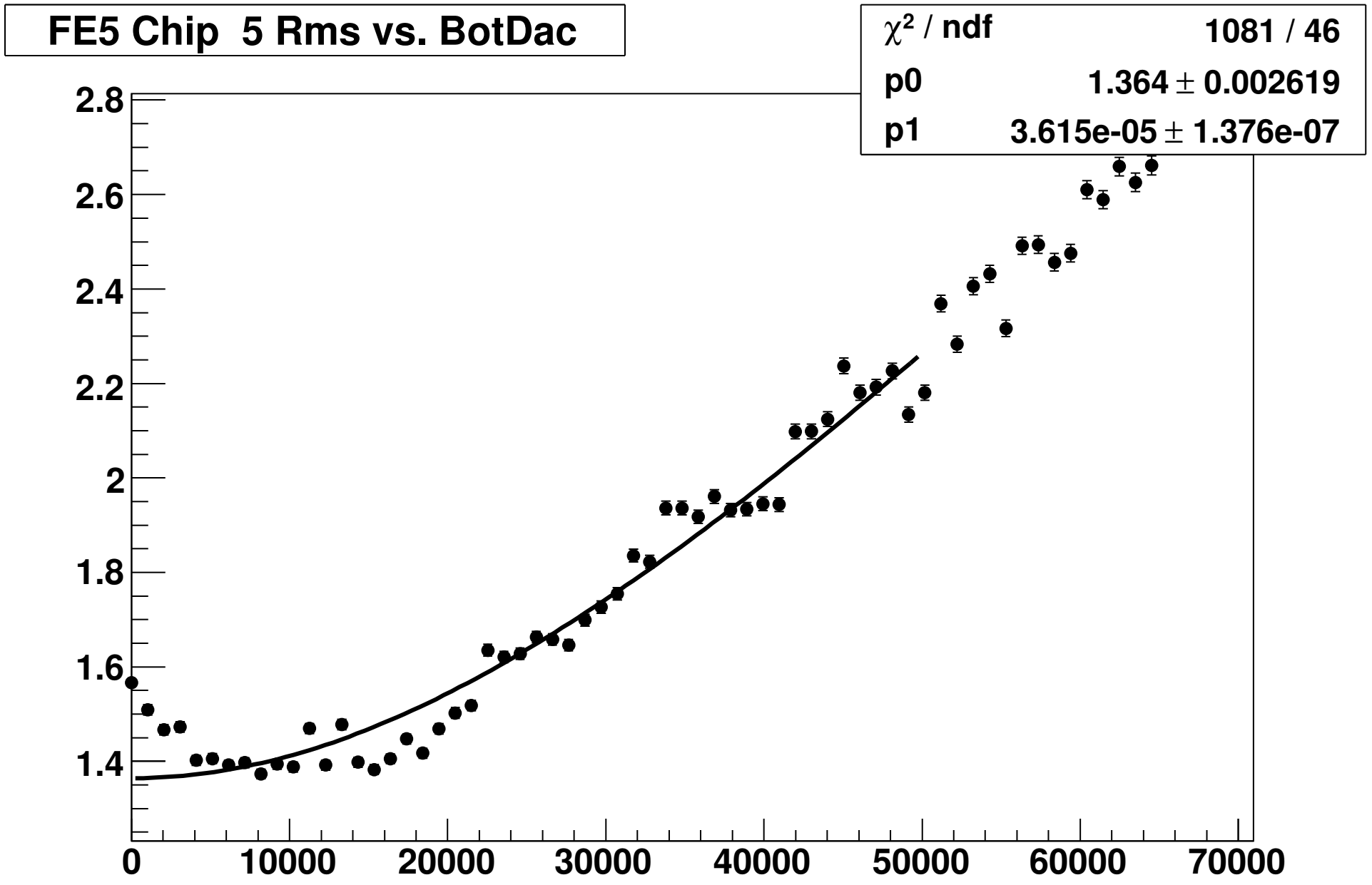
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1081 / 46
p0 1.364 ± 0.002619
p1 3.615e-05 ± 1.376e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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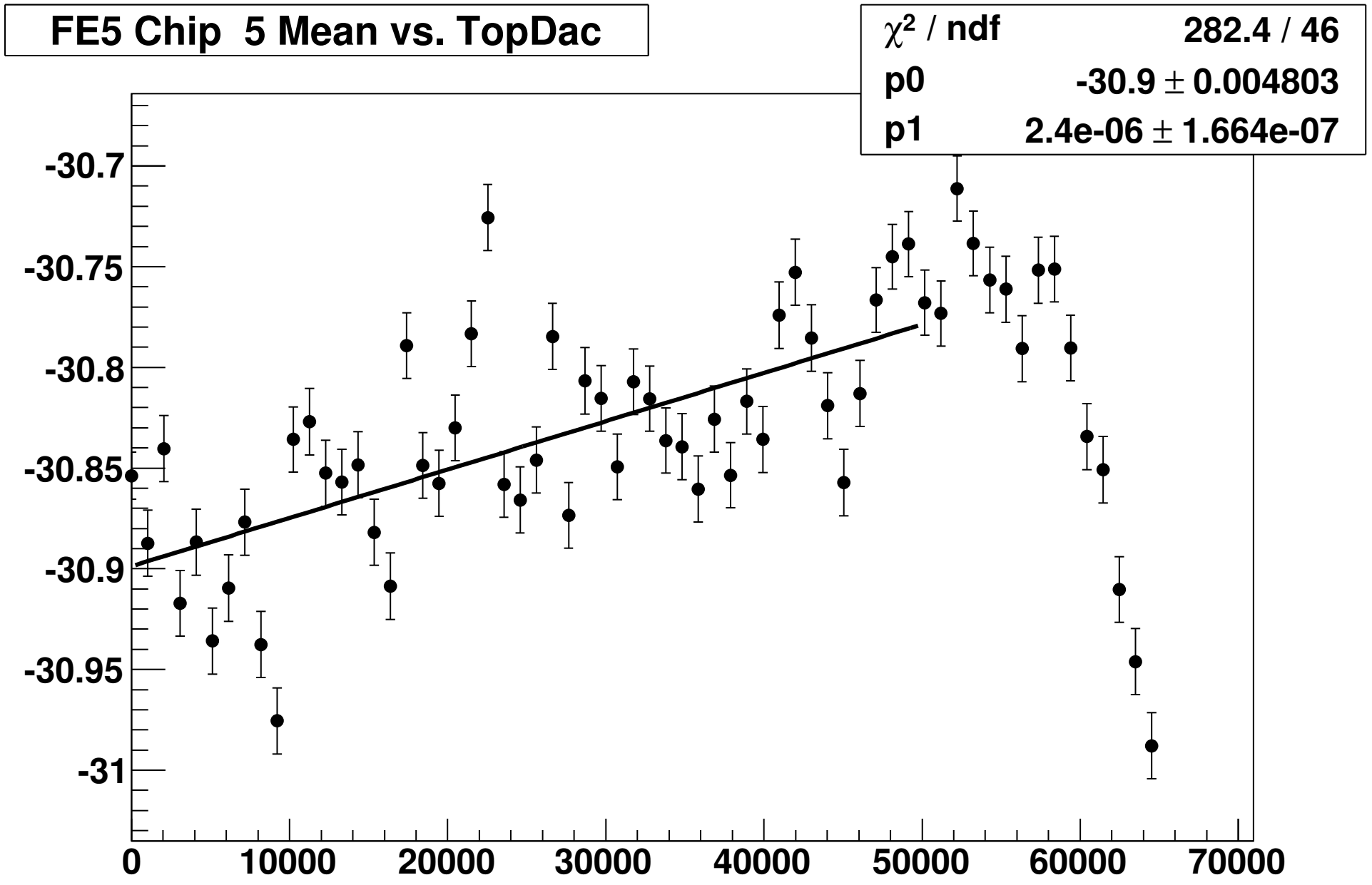
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 282.4 / 46
p0 -30.9 ± 0.004803
p1 2.4e-06 ± 1.664e-07
-30.7
-30.75
-30.8
-30.85
-30.9
-30.95
-31
0
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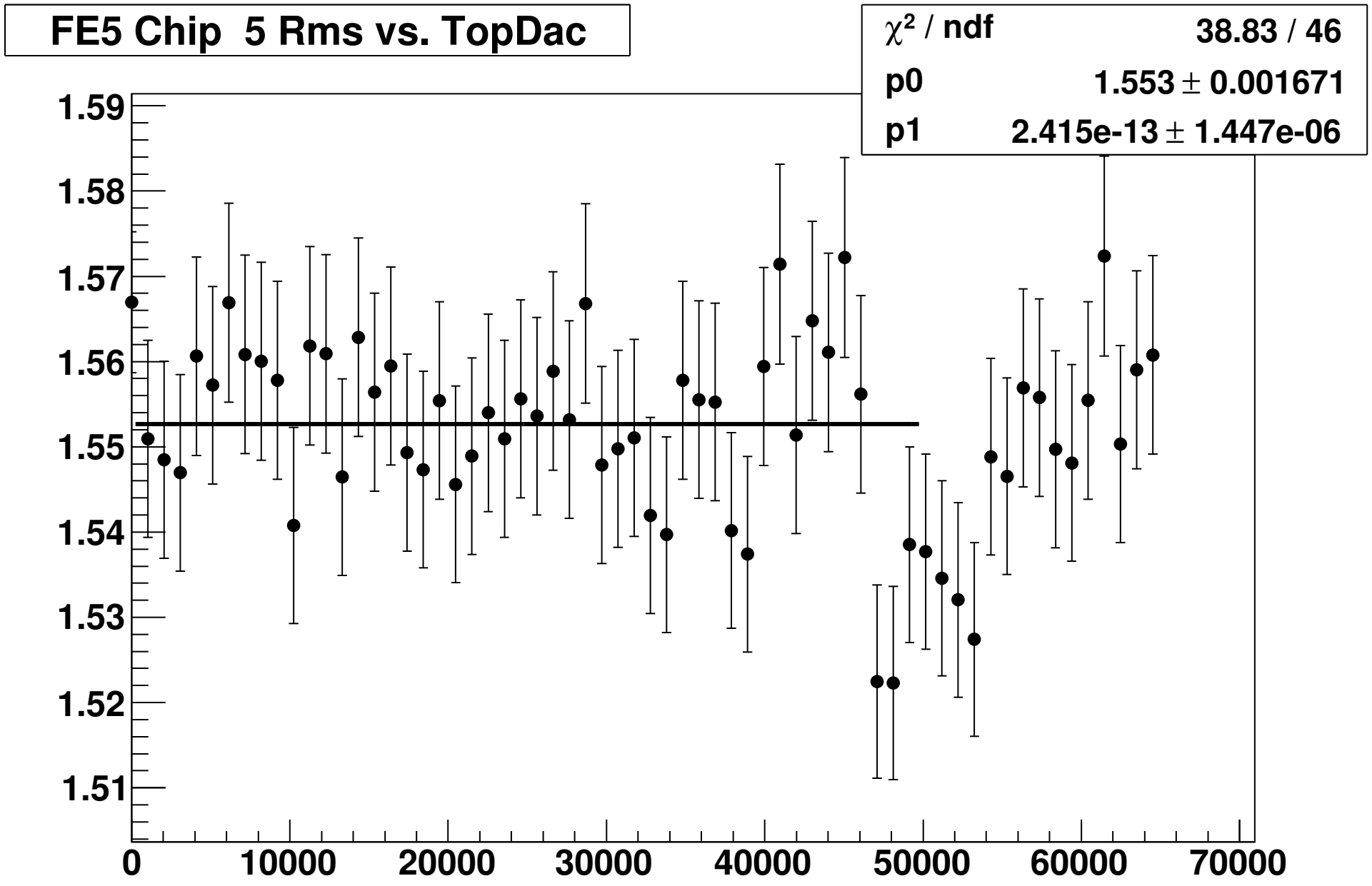
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 38.83 / 46
p0 1.553 ± 0.001671
p1 2.415e-13 ± 1.447e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
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50000
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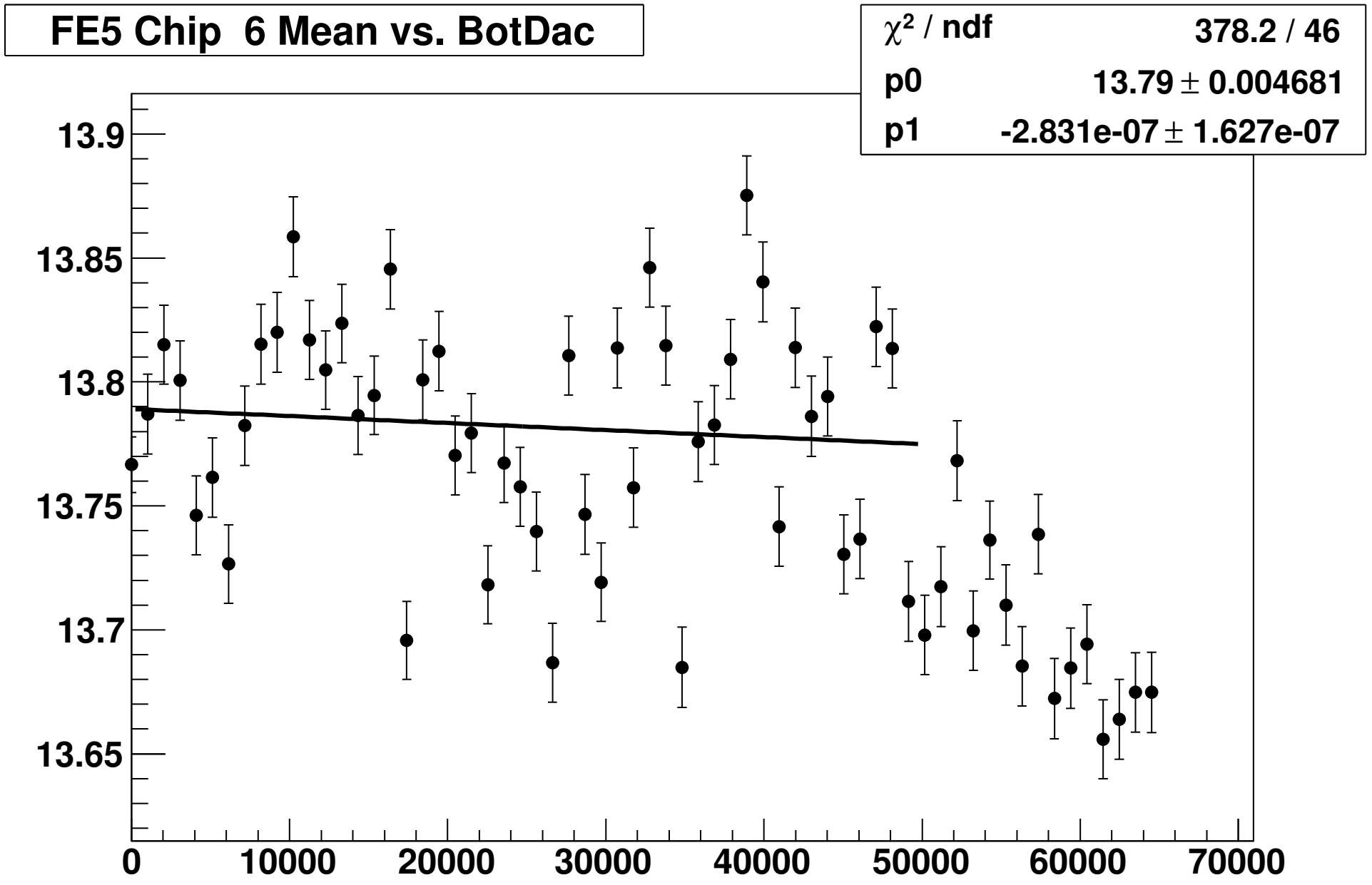
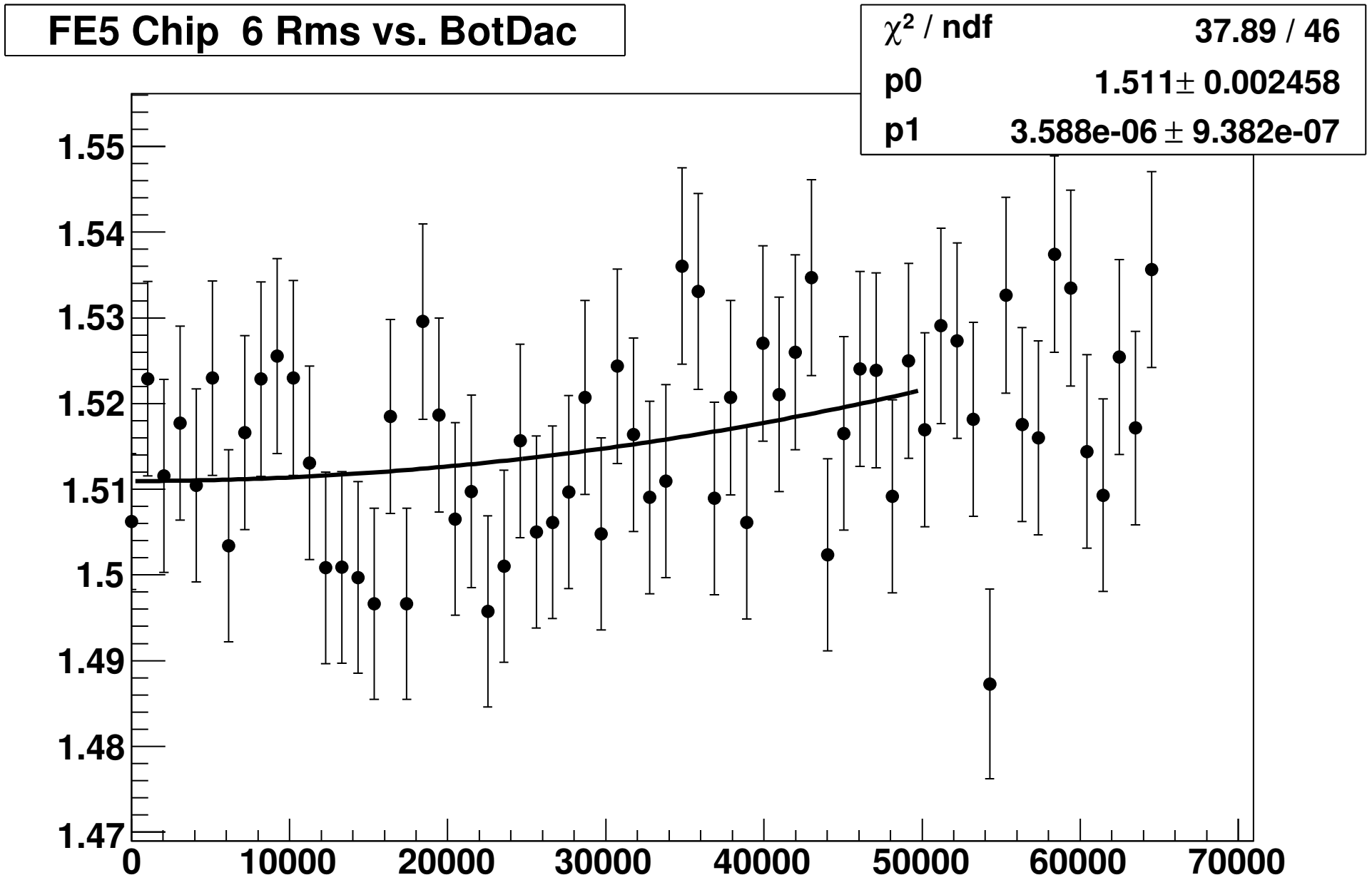

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 378.2 / 46
p0 13.79 ± 0.004681
p1 -2.831e-07 ± 1.627e-07
13.9
13.85
13.8
13.75
13.7
13.65
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 37.89 / 46
p0 1.511± 0.002458
p1 3.588e-06 ± 9.382e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
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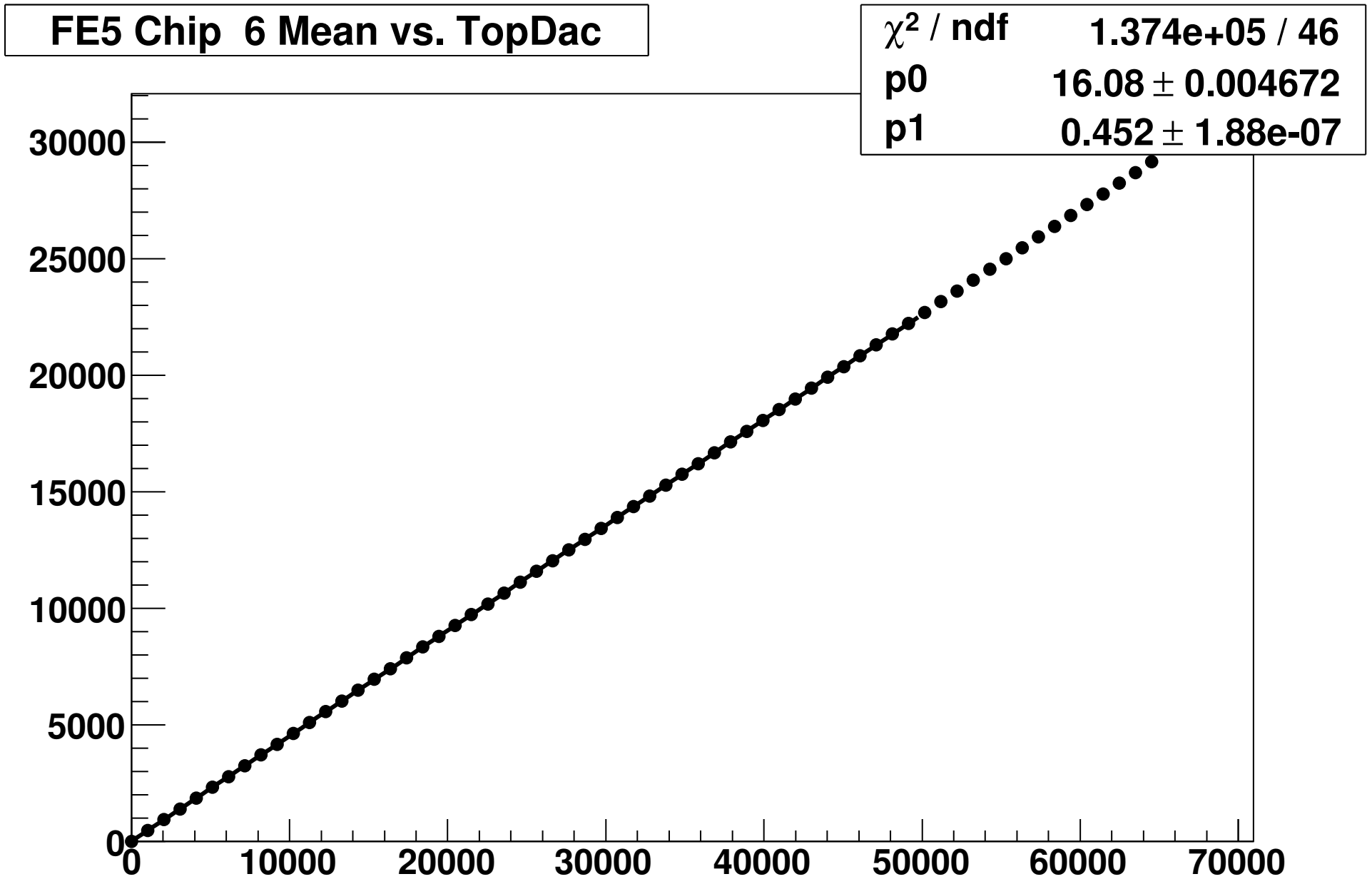
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.374e+05 / 46
p0 16.08 ± 0.004672
p1 0.452 ± 1.88e-07
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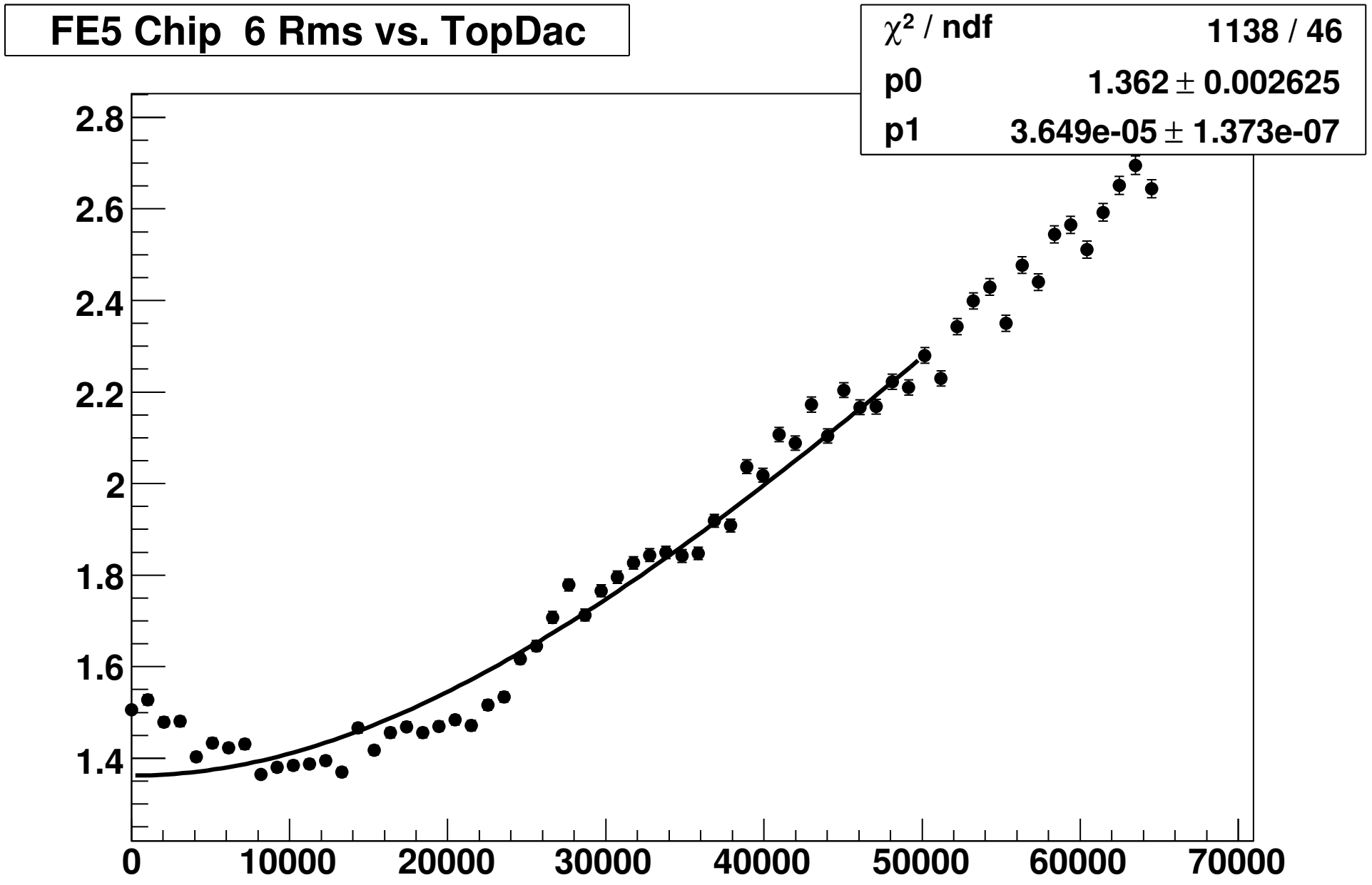
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1138 / 46
p0 1.362 ± 0.002625
p1 3.649e-05 ± 1.373e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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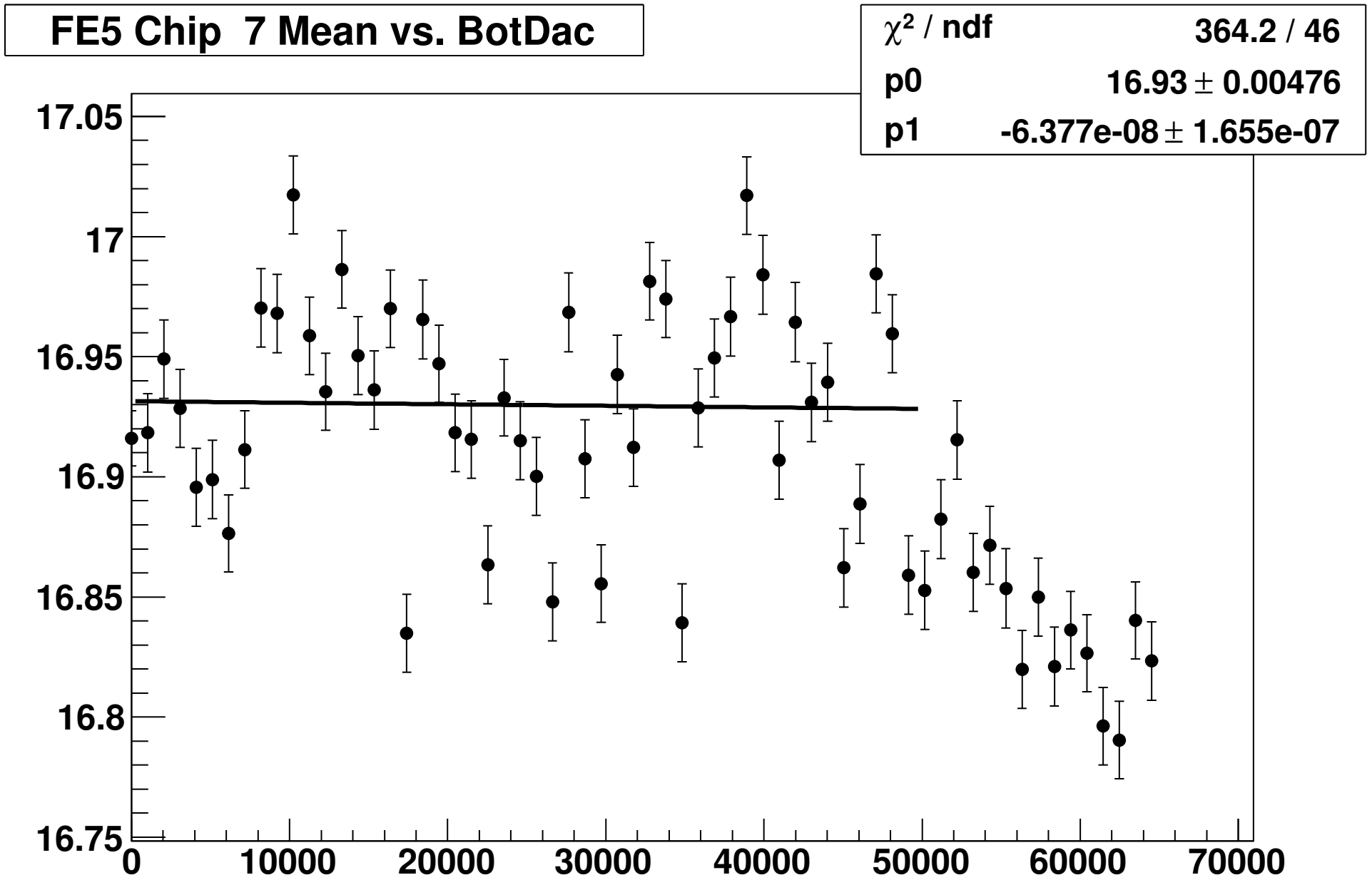
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 364.2 / 46
p0 16.93 ± 0.00476
p1 -6.377e-08 ± 1.655e-07
17.05
17
16.95
16.9
16.85
16.8
16.75
0
10000
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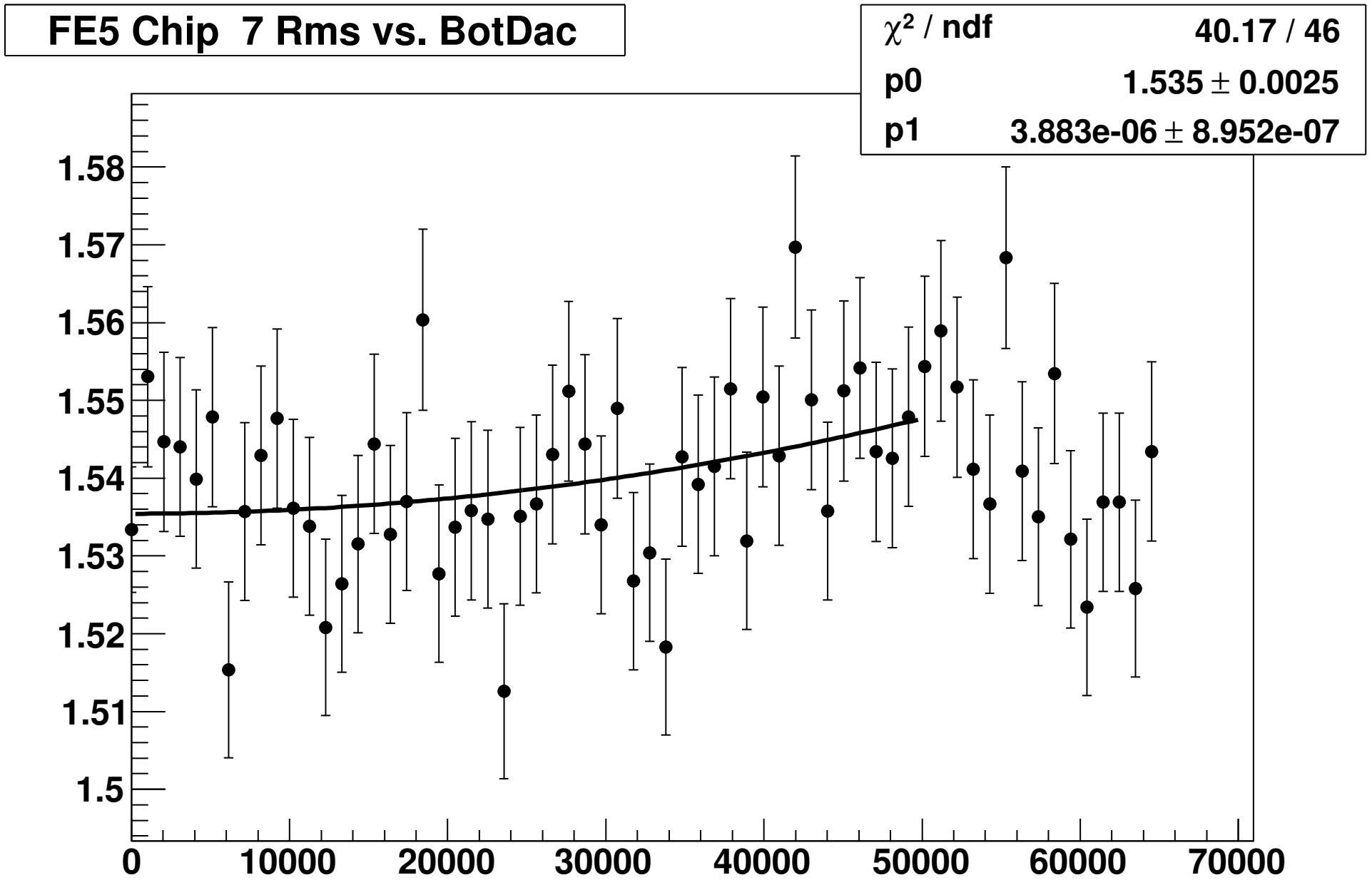
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 40.17 / 46
p0 1.535 ± 0.0025
p1 3.883e-06 ± 8.952e-07
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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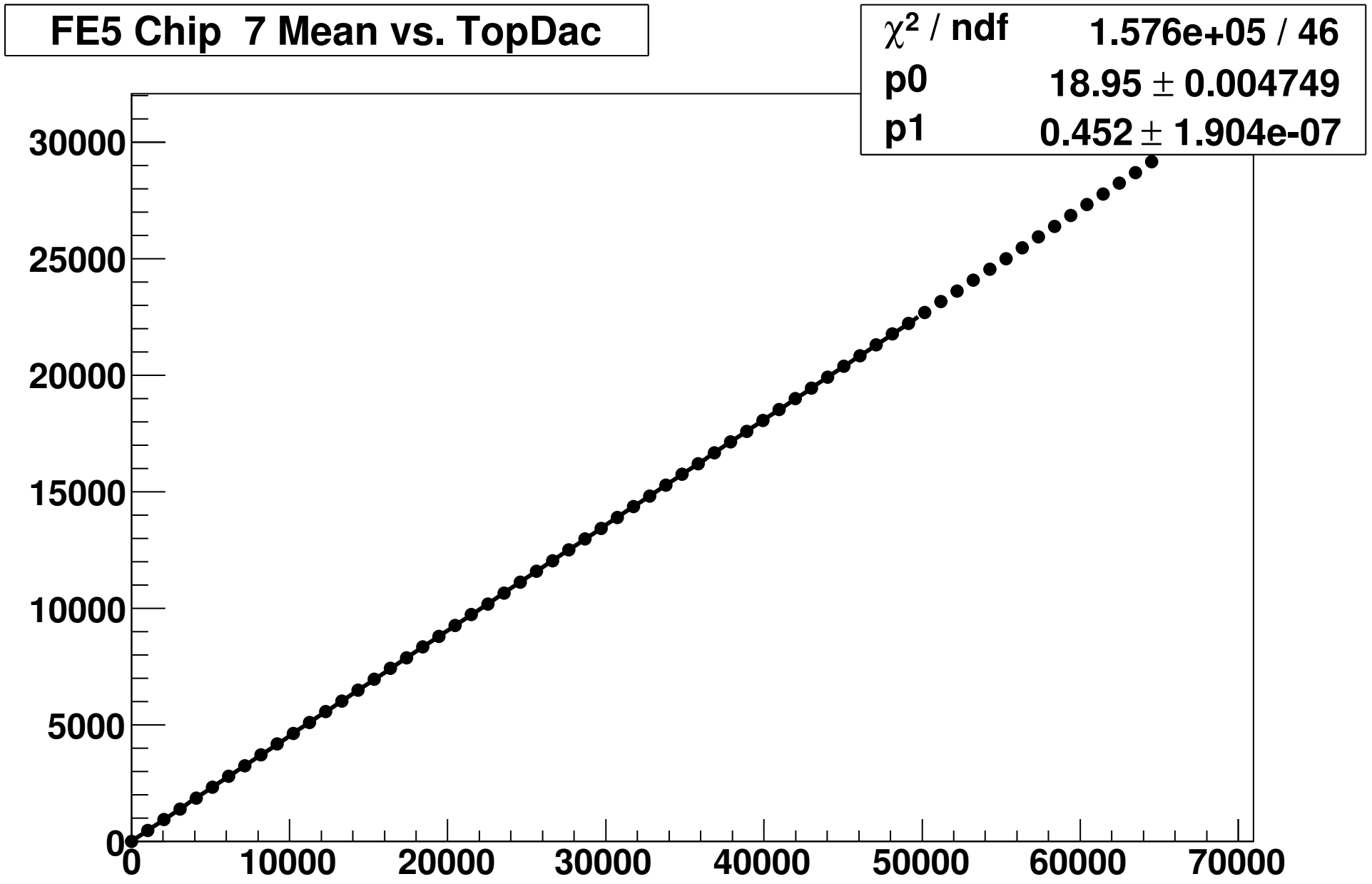
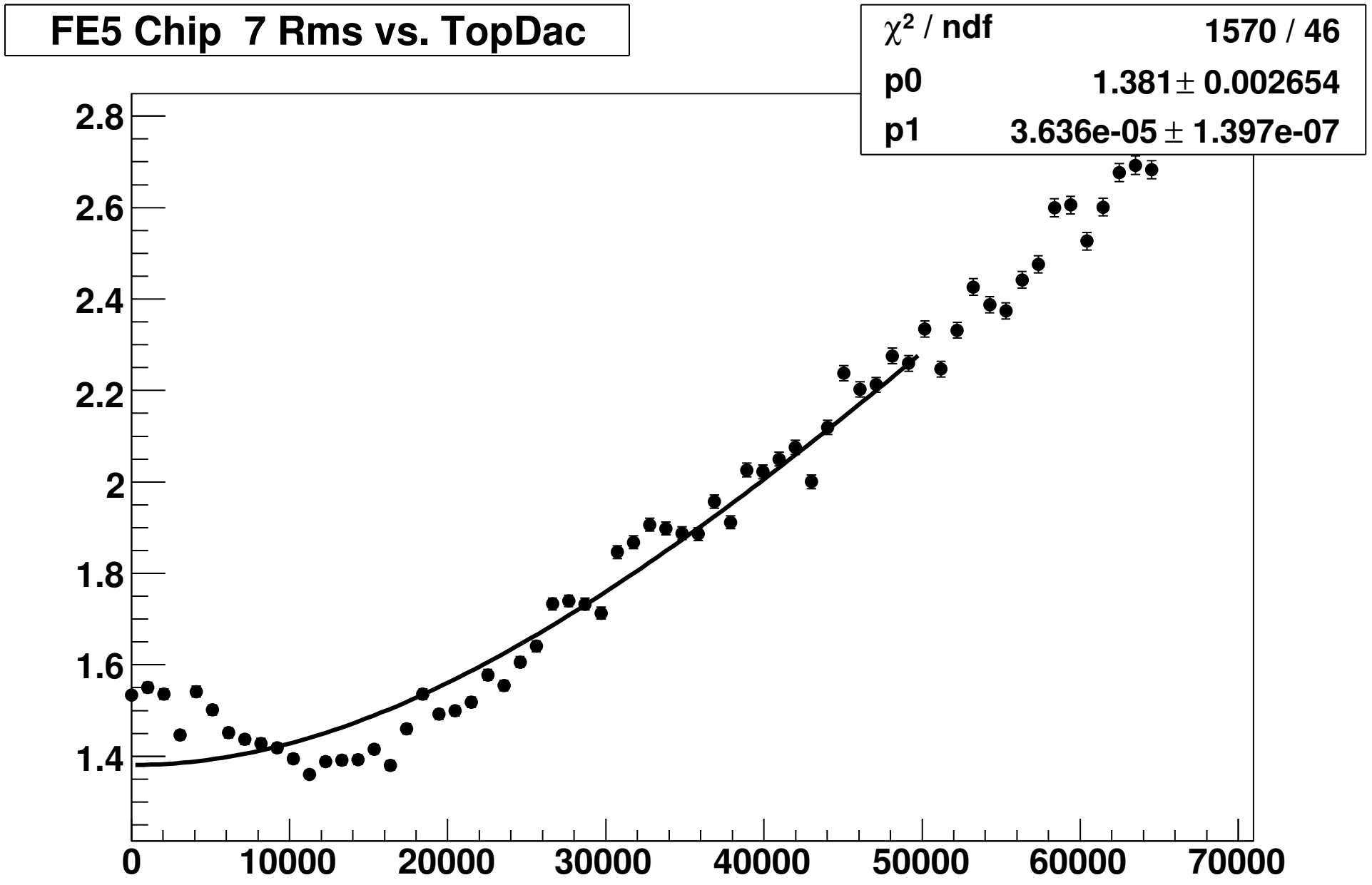

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.576e+05 / 46
p0 18.95 ± 0.004749
p1 0.452 ± 1.904e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1570 / 46
p0 1.381 ± 0.002654
p1 3.636e-05 ± 1.397e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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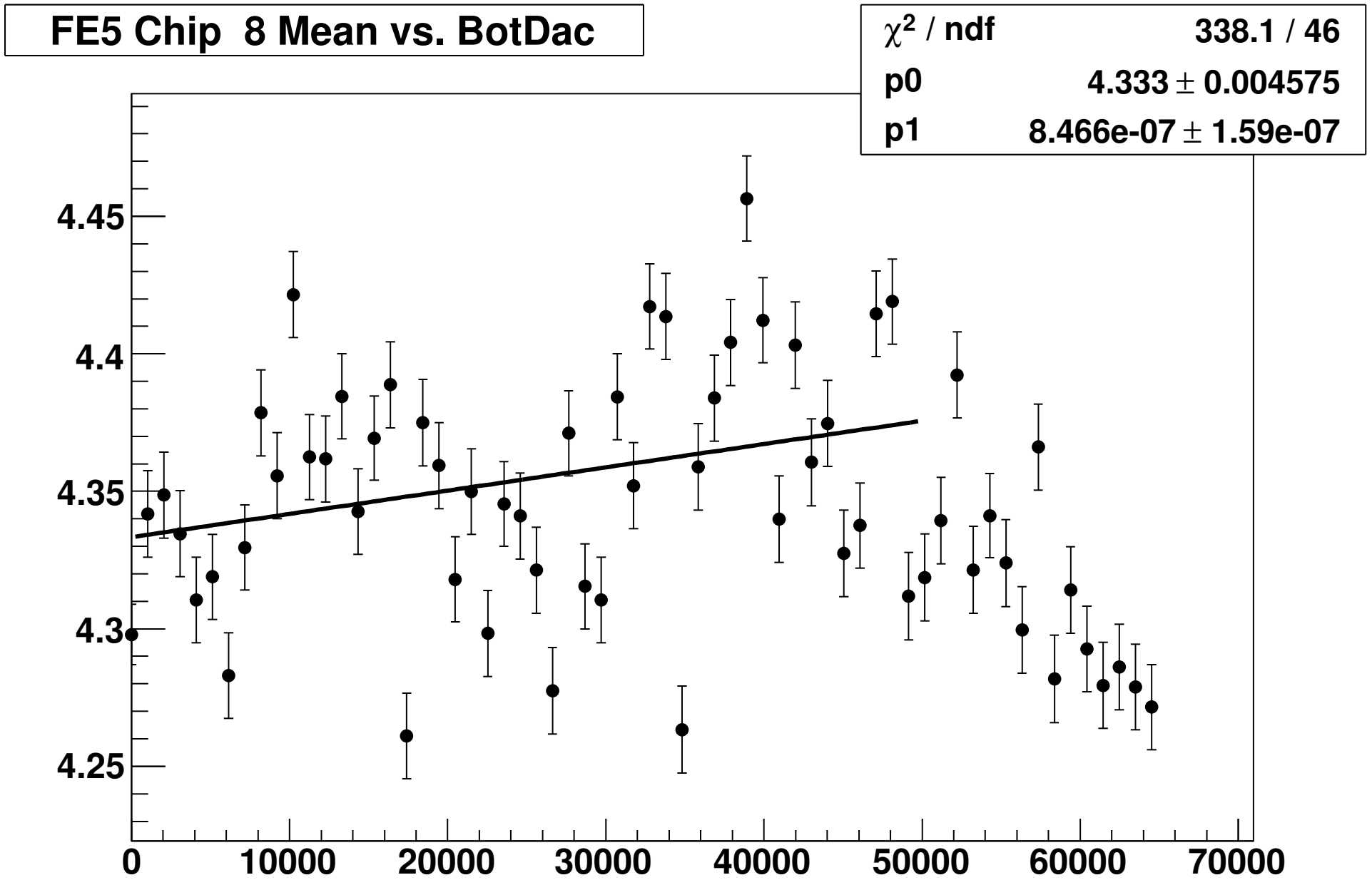
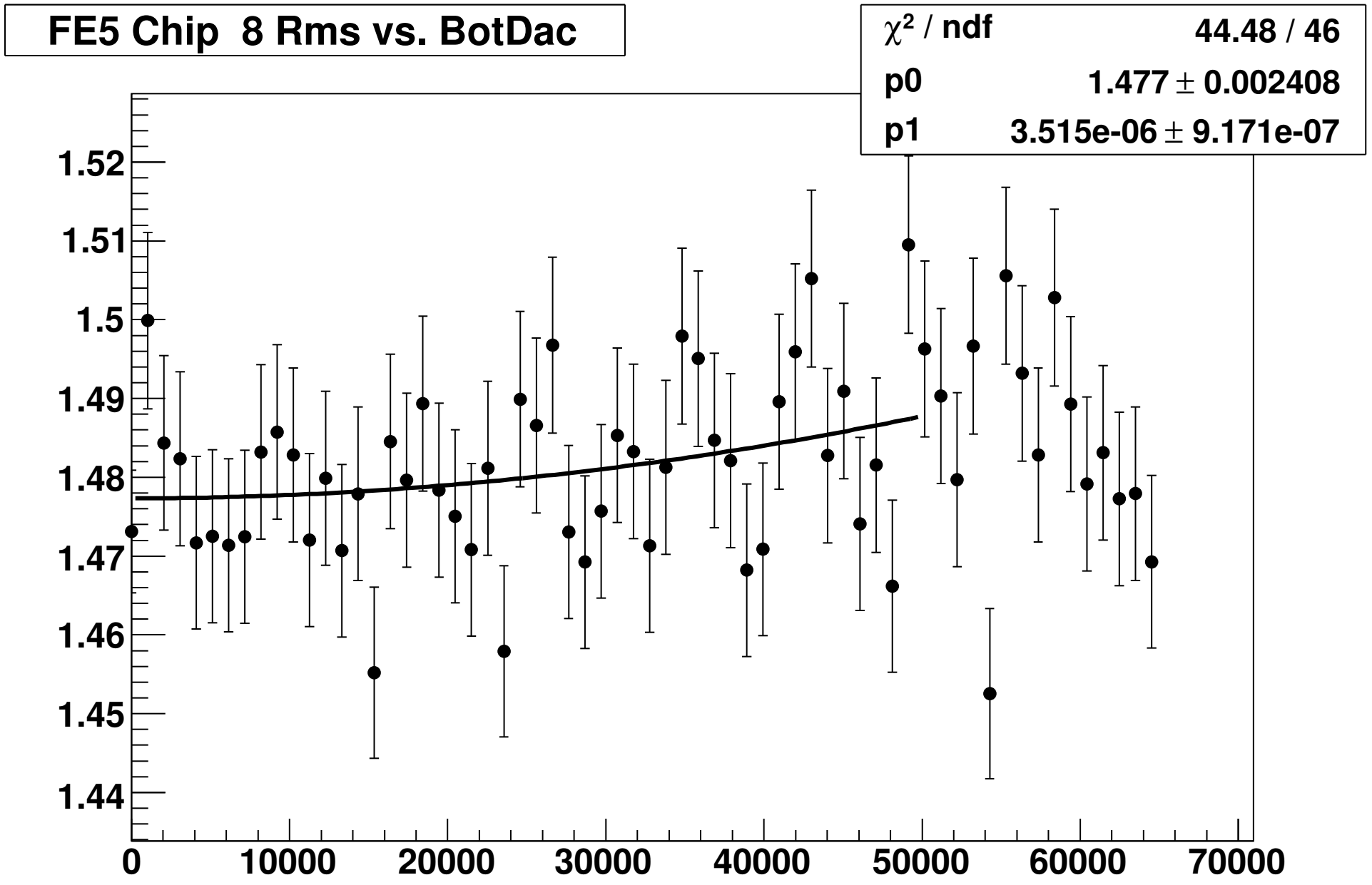

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 338.1 / 46
p0 4.333 ± 0.004575
p1 8.466e-07 ± 1.59e-07
4.45
4.4
4.35
4.3
4.25
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 44.48 / 46
p0 1.477 ± 0.002408
p1 3.515e-06 ± 9.171e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
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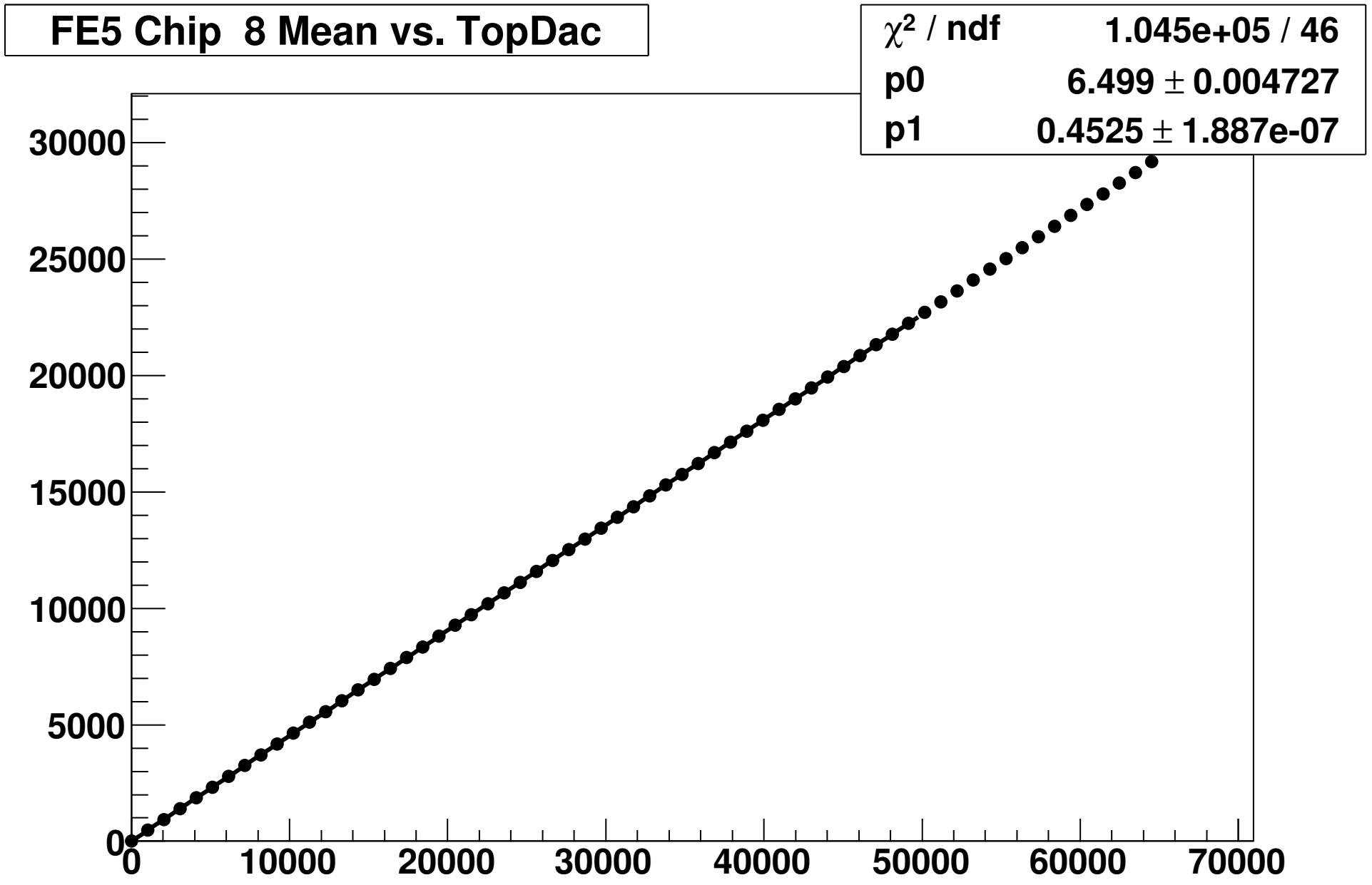
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.045e+05 / 46
p0 6.499 ± 0.004727
p1 0.4525 ± 1.887e-07
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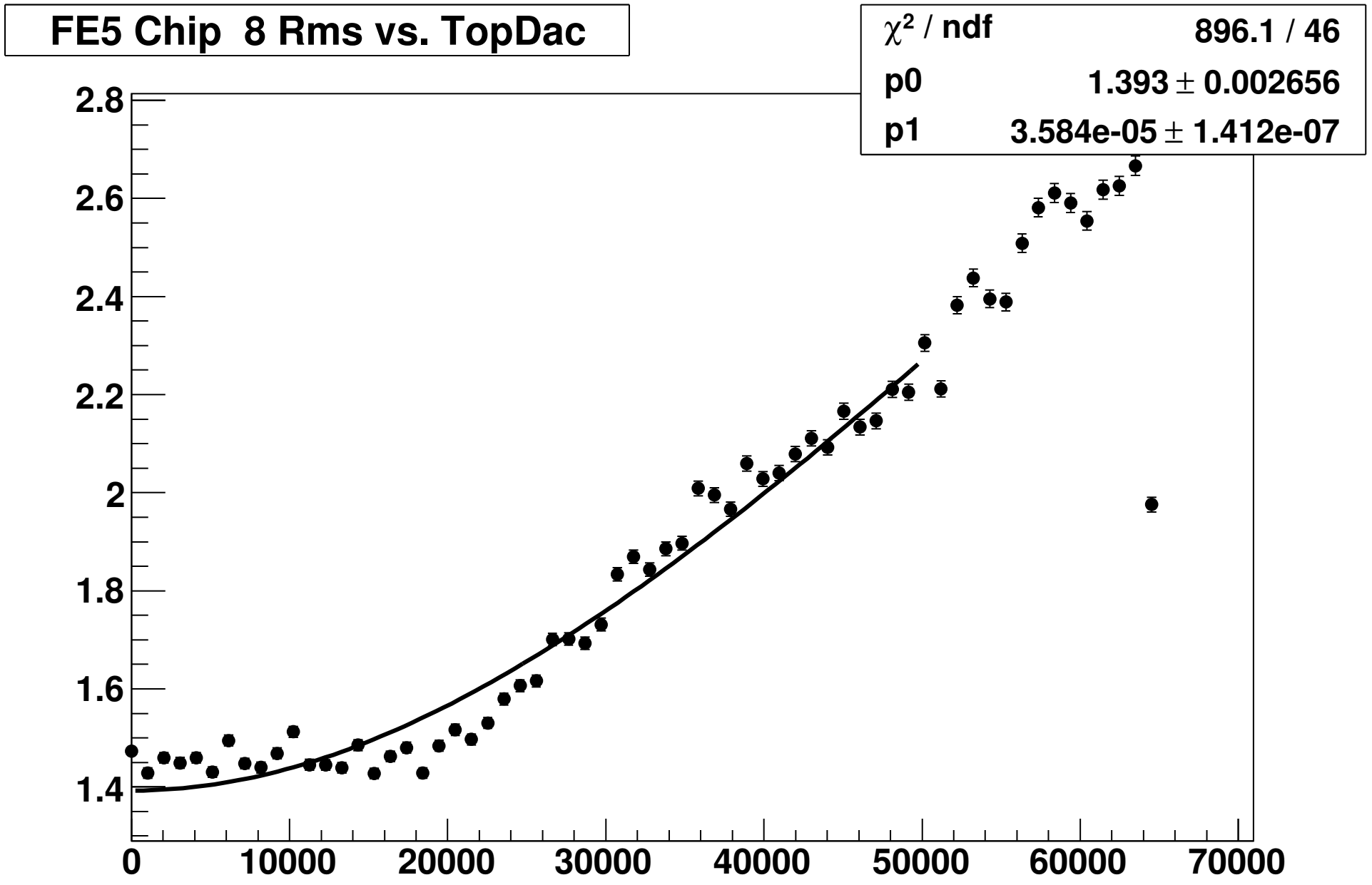
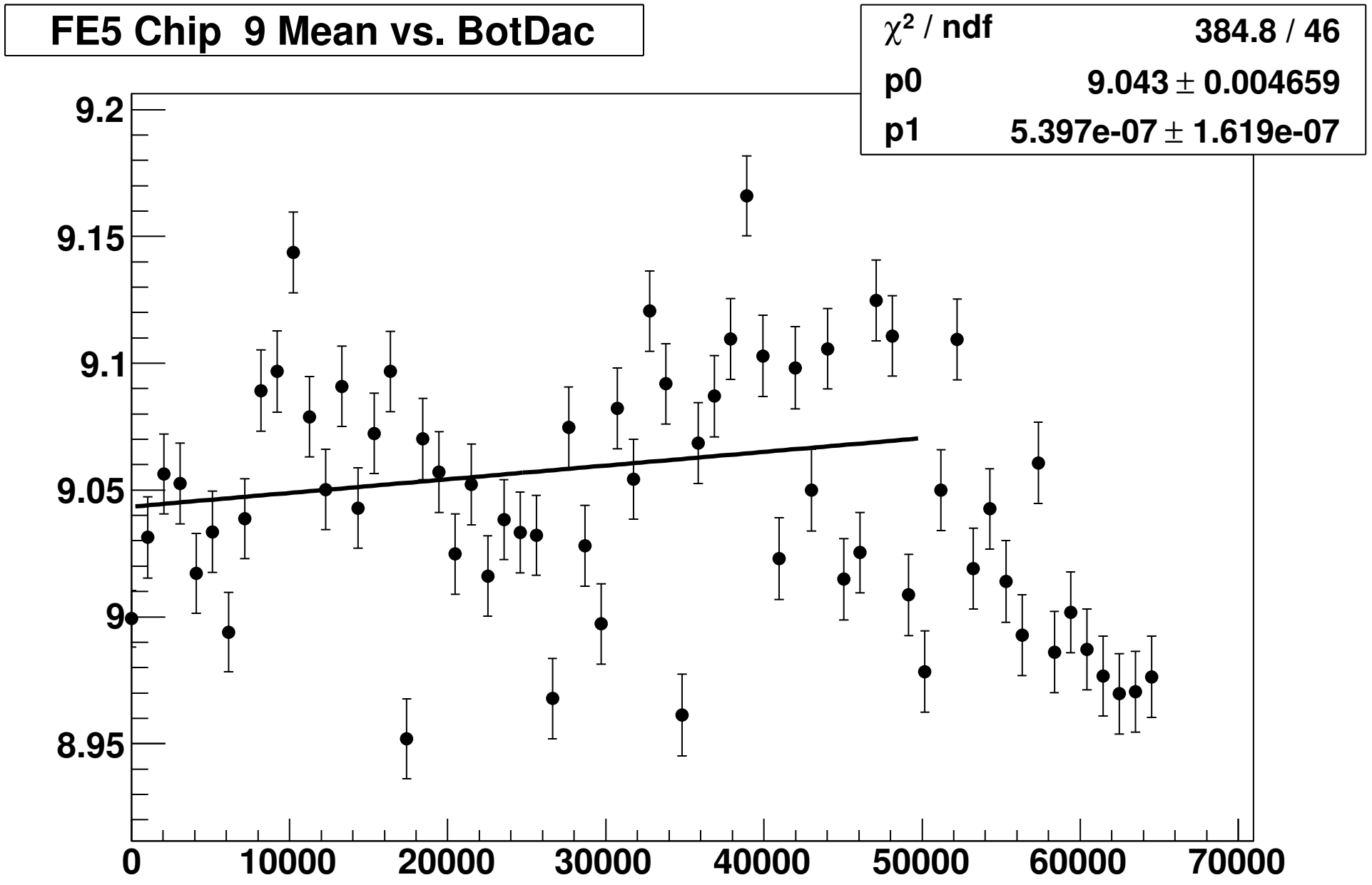
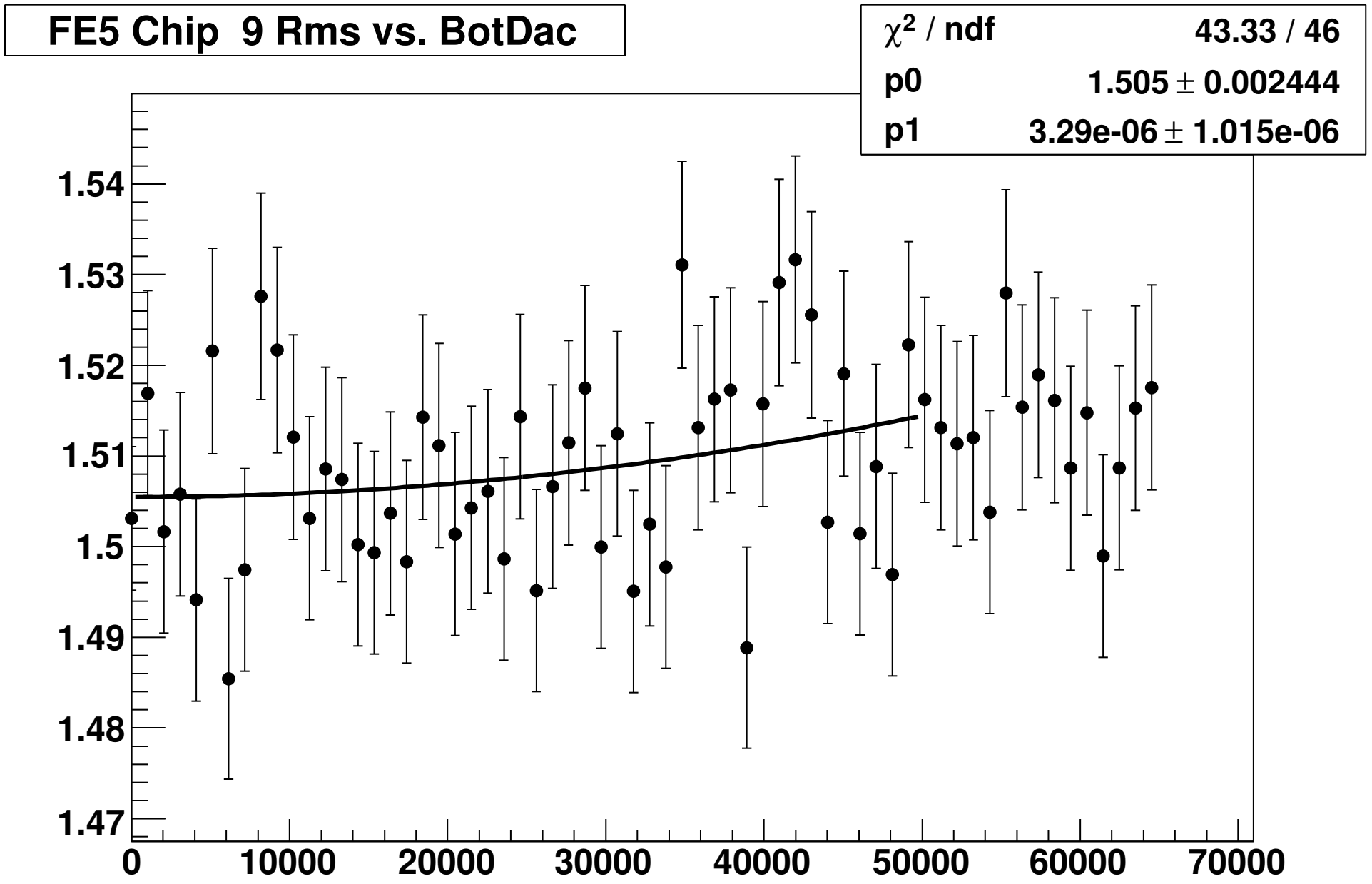
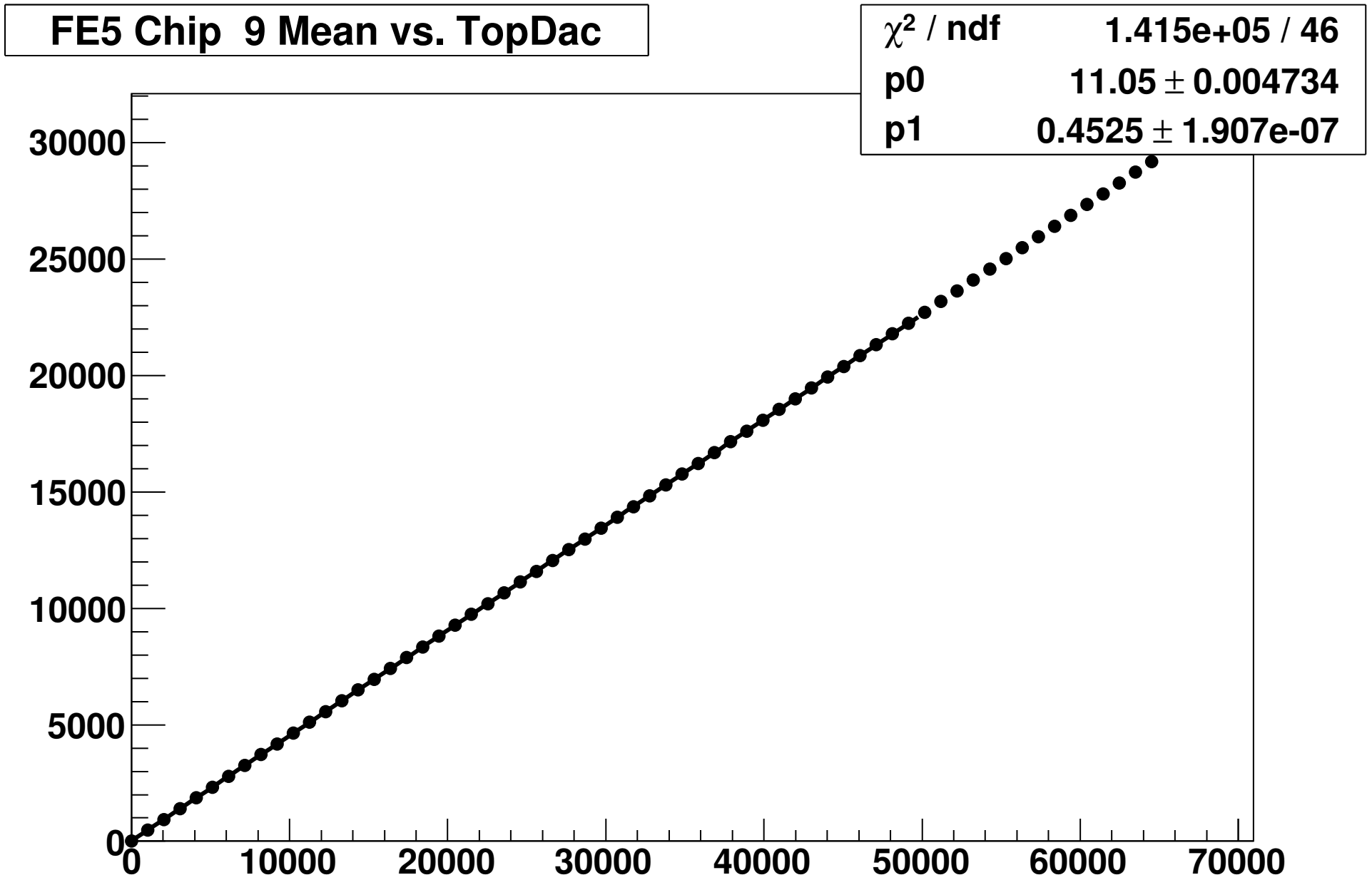
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 896.1 / 46
p0 1.393 ± 0.002656
p1 3.584e-05 ± 1.412e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 384.8 / 46
p0 9.043 ± 0.004659
p1 5.397e-07 ± 1.619e-07
9.2
9.15
9.1
9.05
9
8.95
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 43.33 / 46
p0 1.505 ± 0.002444
p1 3.29e-06 ± 1.015e-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


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.415e+05 / 46
p0 11.05 ± 0.004734
p1 0.4525 ± 1.907e-07
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10000
20000
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40000
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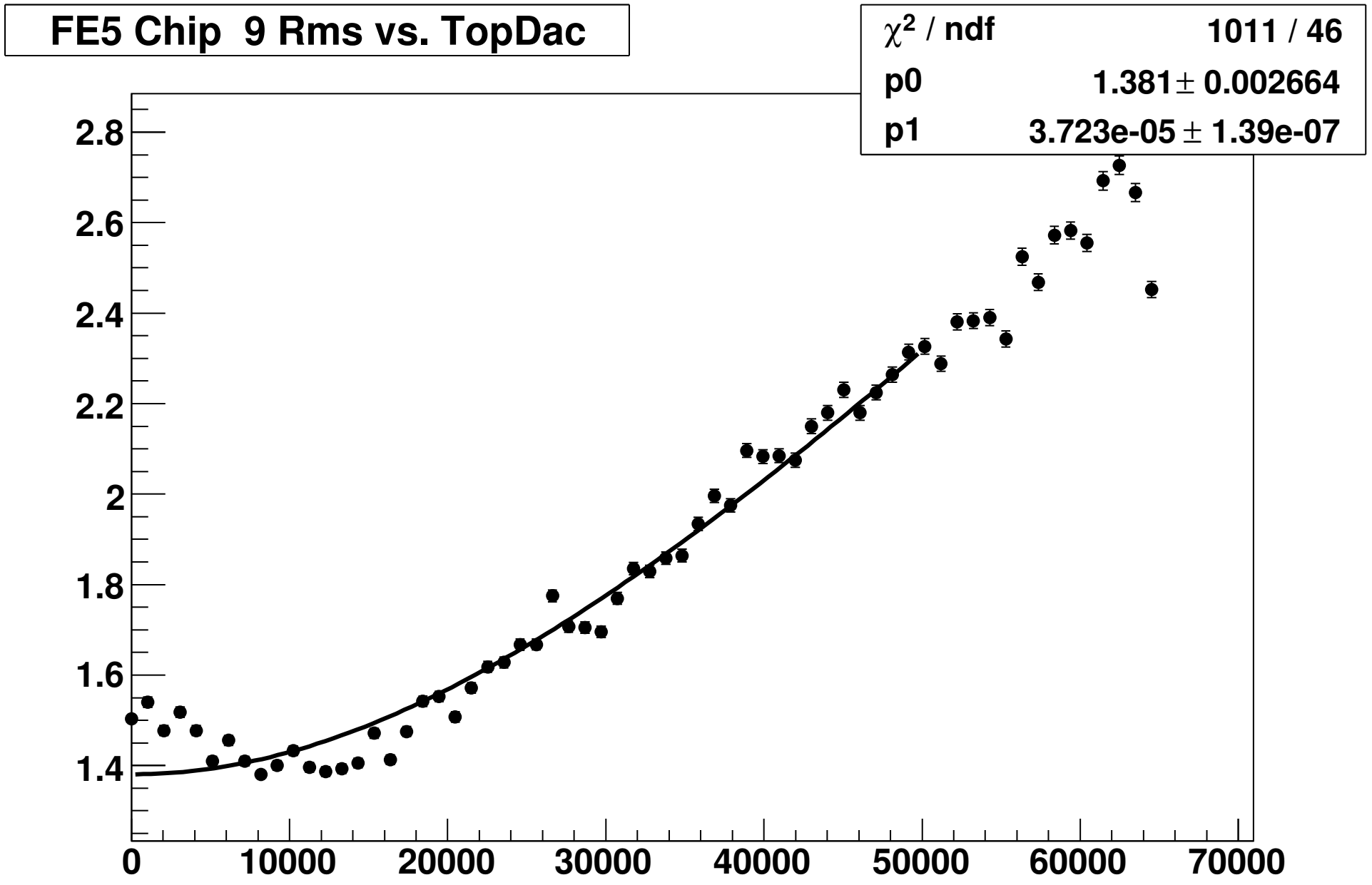
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1011 / 46
p0 1.381 ± 0.002664
p1 3.723e-05 ± 1.39e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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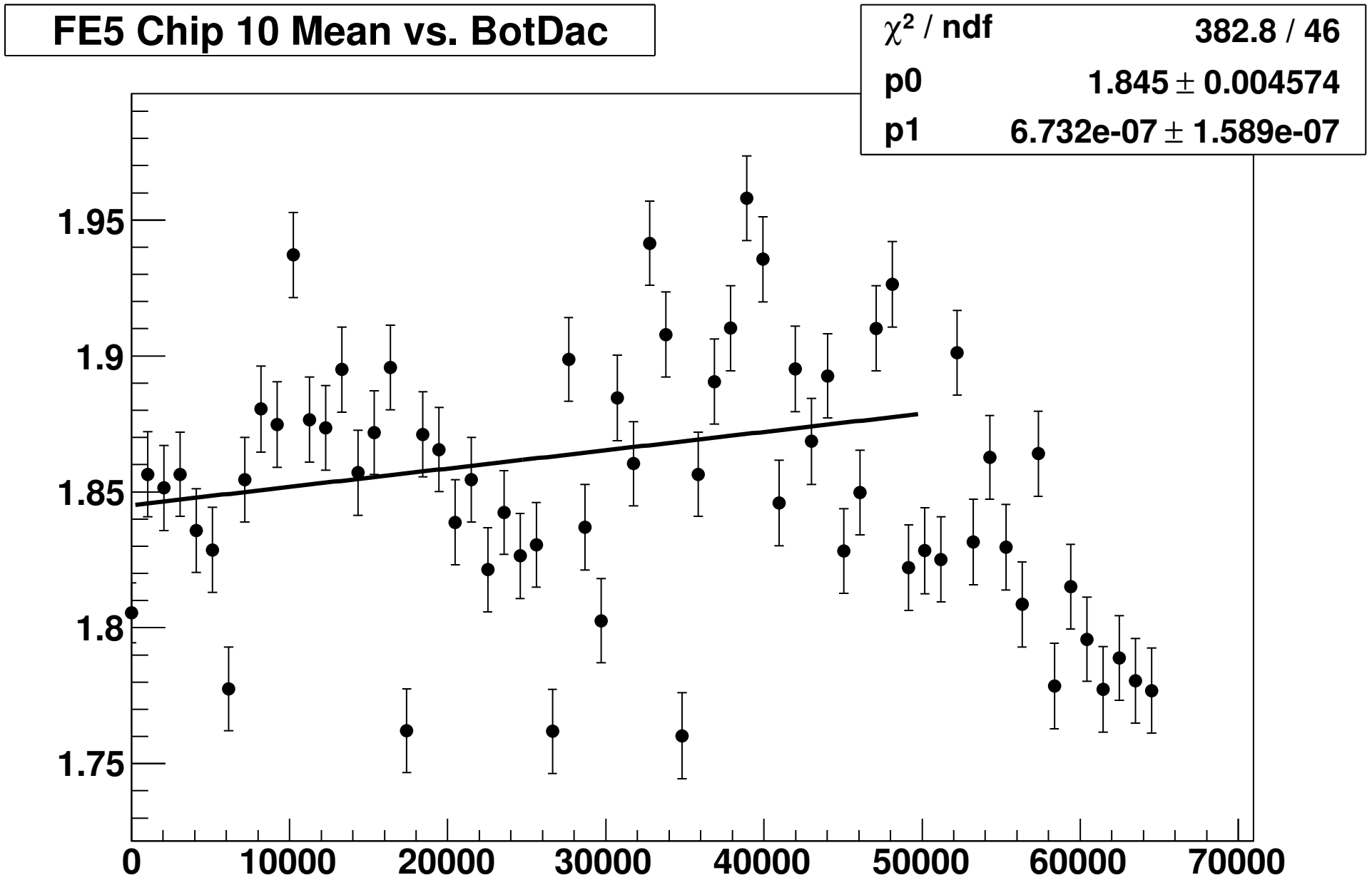
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 382.8 / 46
p0 1.845 ± 0.004574
p1 6.732e-07 ± 1.589e-07
1.95
1.9
1.85
1.8
1.75
0
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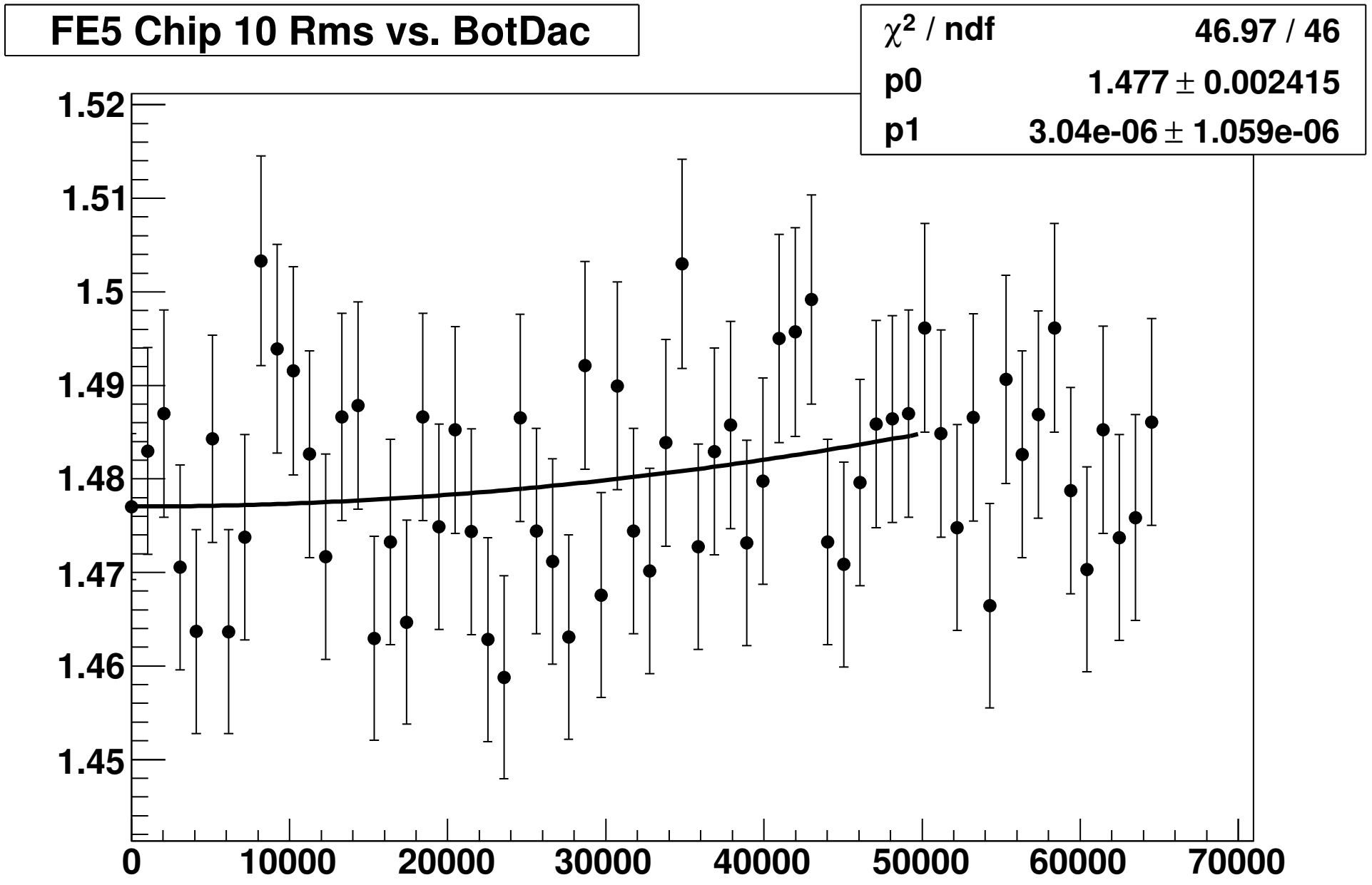
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 46.97 / 46
p0 1.477 ± 0.002415
p1 3.04e-06 ± 1.059e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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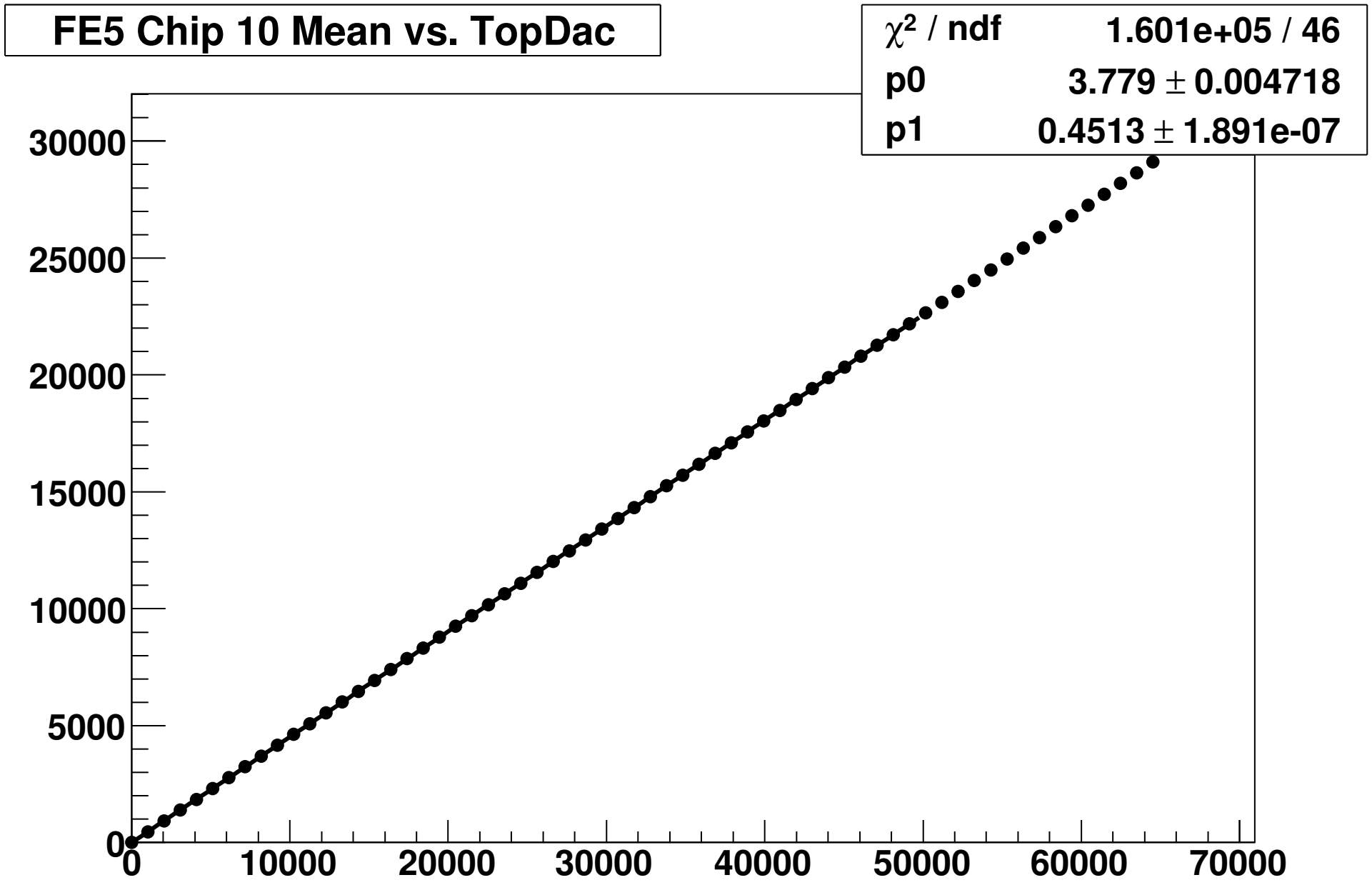
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.601e+05 / 46
p0 3.779 ± 0.004718
p1 0.4513 ± 1.891e-07
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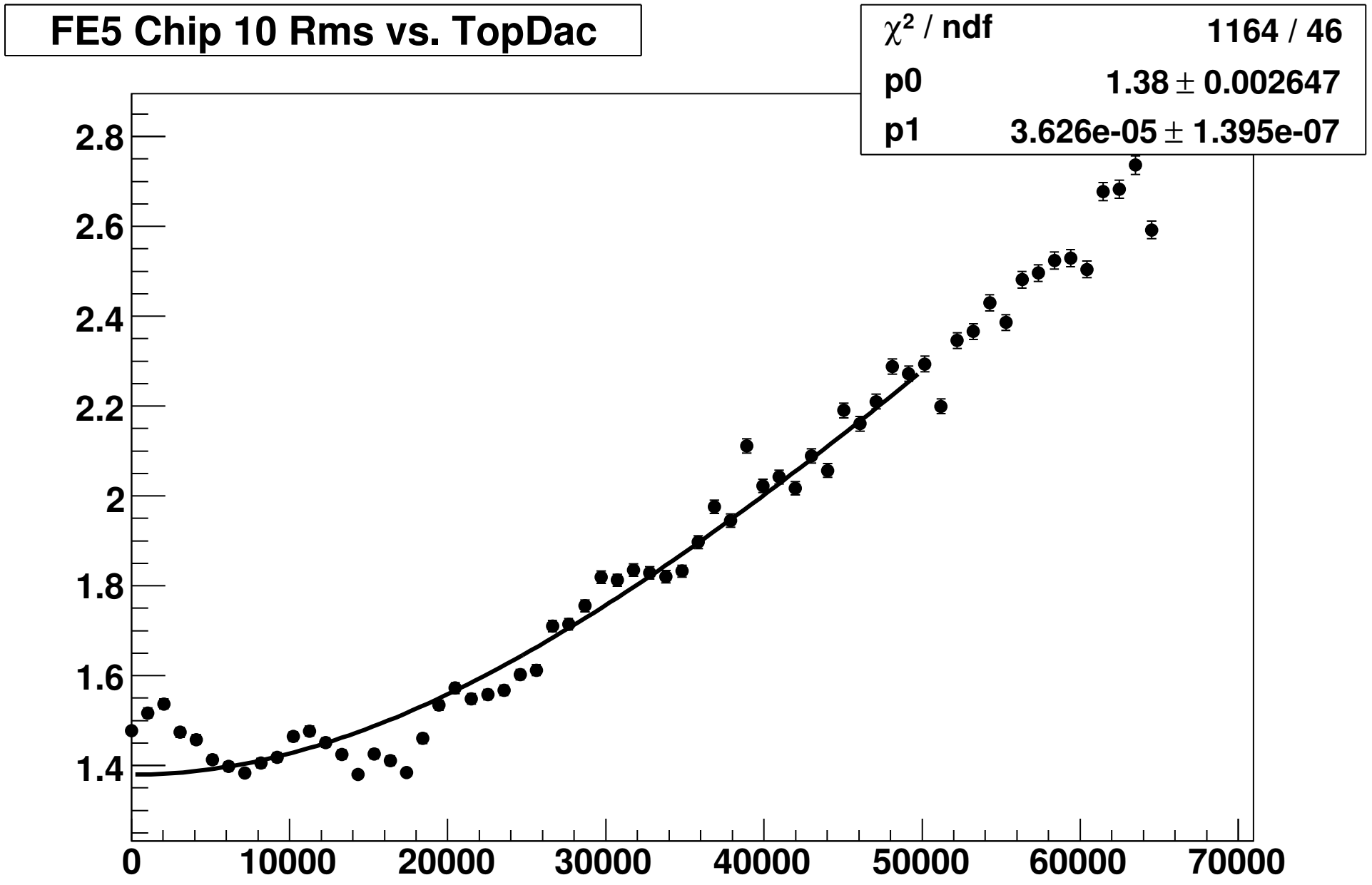
FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1164 / 46
p0 1.38 ± 0.002647
p1 3.626e-05 ± 1.395e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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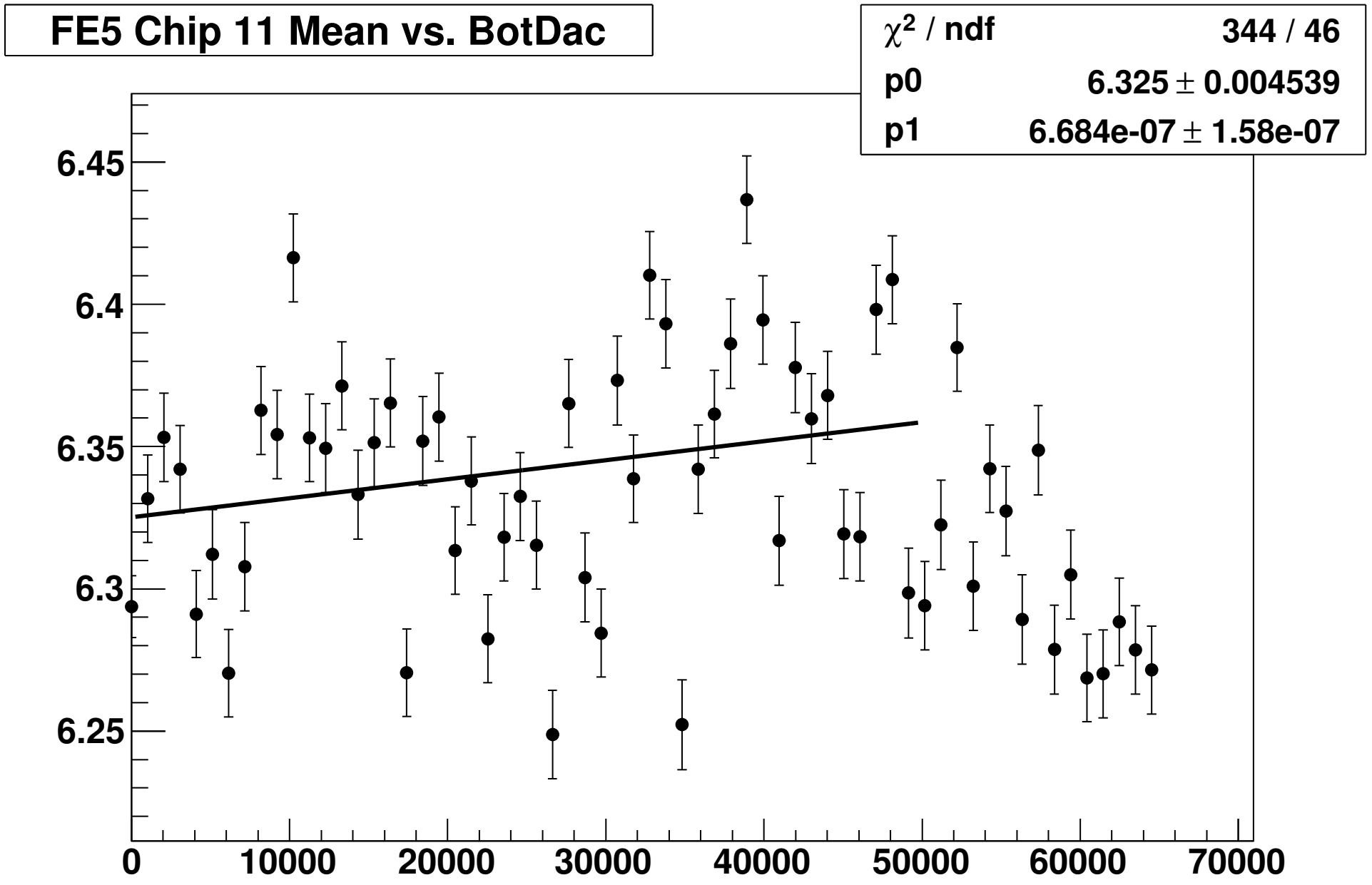
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 344 / 46
p0 6.325 ± 0.004539
p1 6.684e-07 ± 1.58e-07
6.45
6.4
6.35
6.3
6.25
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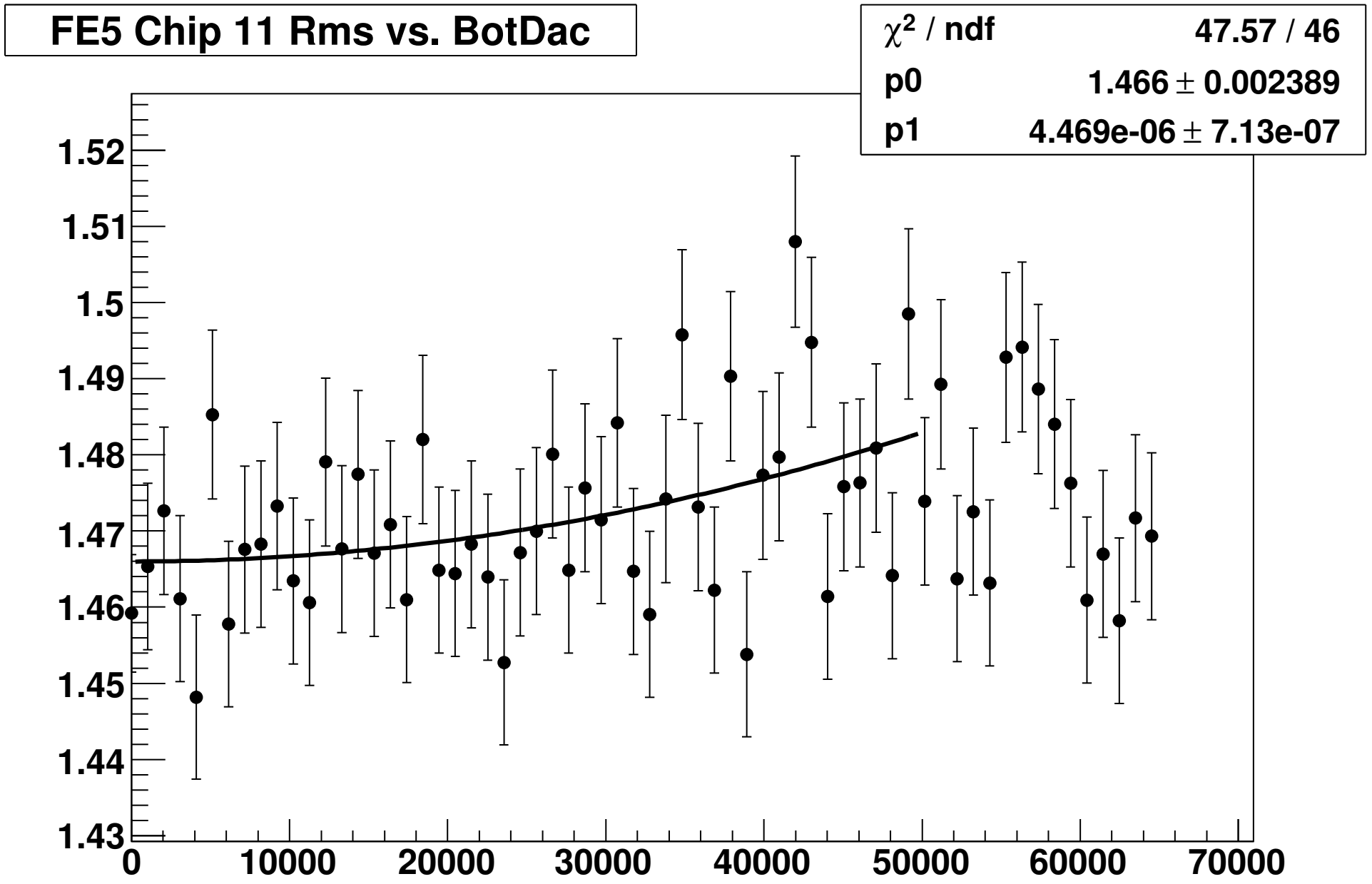
FE5 Chip 11 Rms vs. BotDac
χ² / ndf 47.57 / 46
p0 1.466 ± 0.002389
p1 4.469e-06 ± 7.13e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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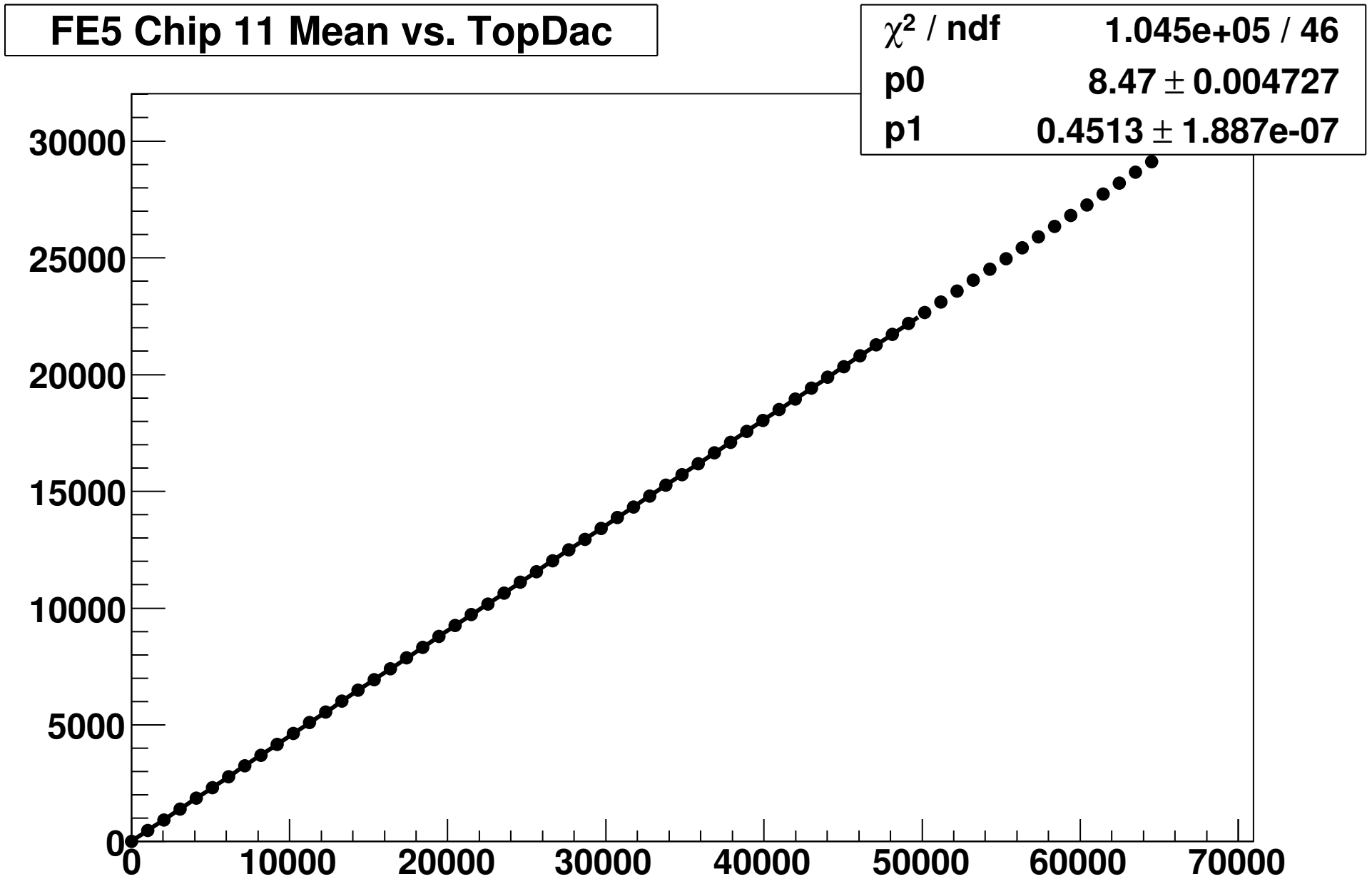
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.045e+05 / 46
p0 8.47 ± 0.004727
p1 0.4513 ± 1.887e-07
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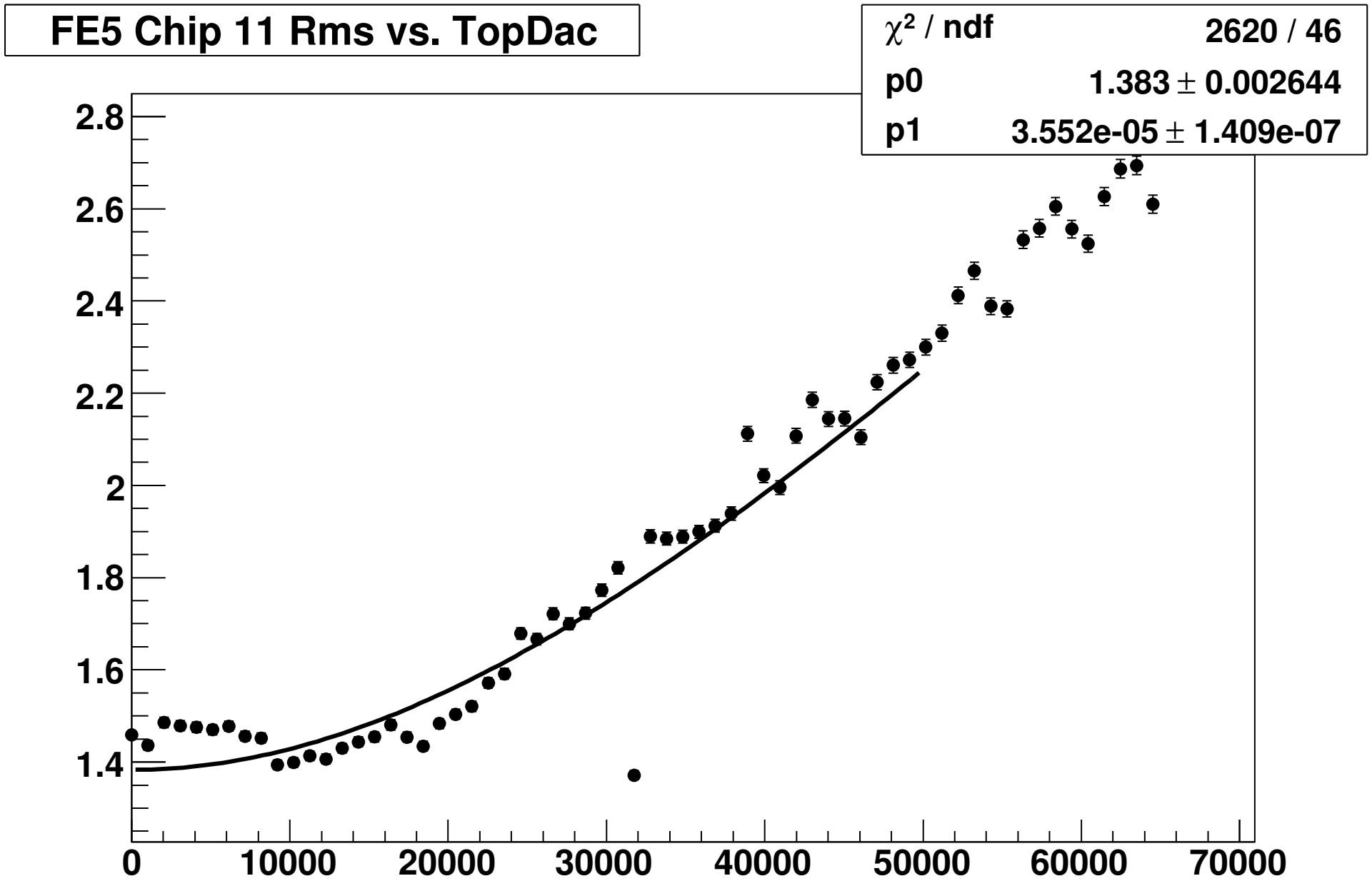
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 2620 / 46
p0 1.383 ± 0.002644
p1 3.552e-05 ± 1.409e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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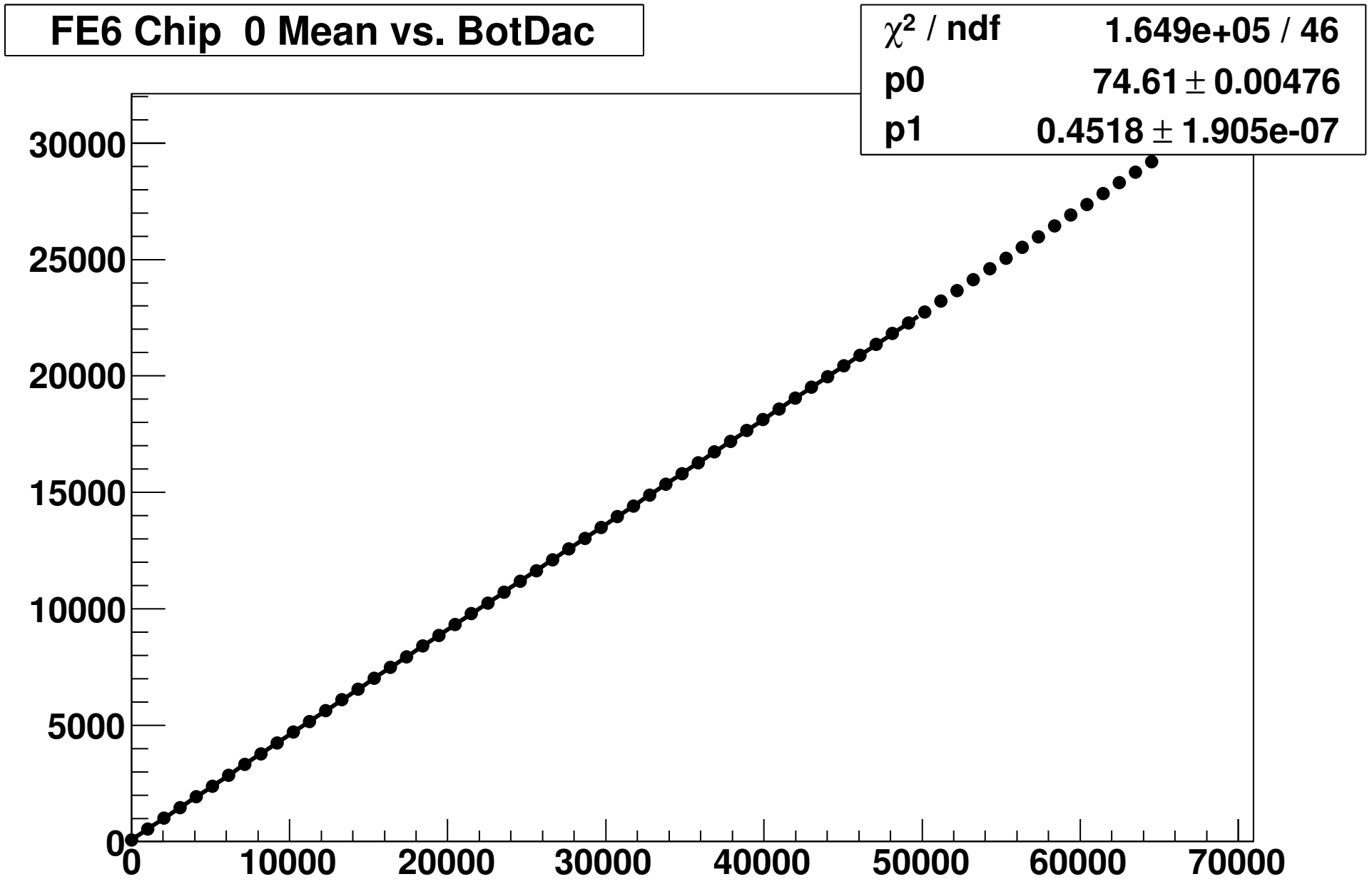
FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.649e+05 / 46
p0 74.61 ± 0.00476
p1 0.4518 ± 1.905e-07
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15000
10000
5000
0
0
10000
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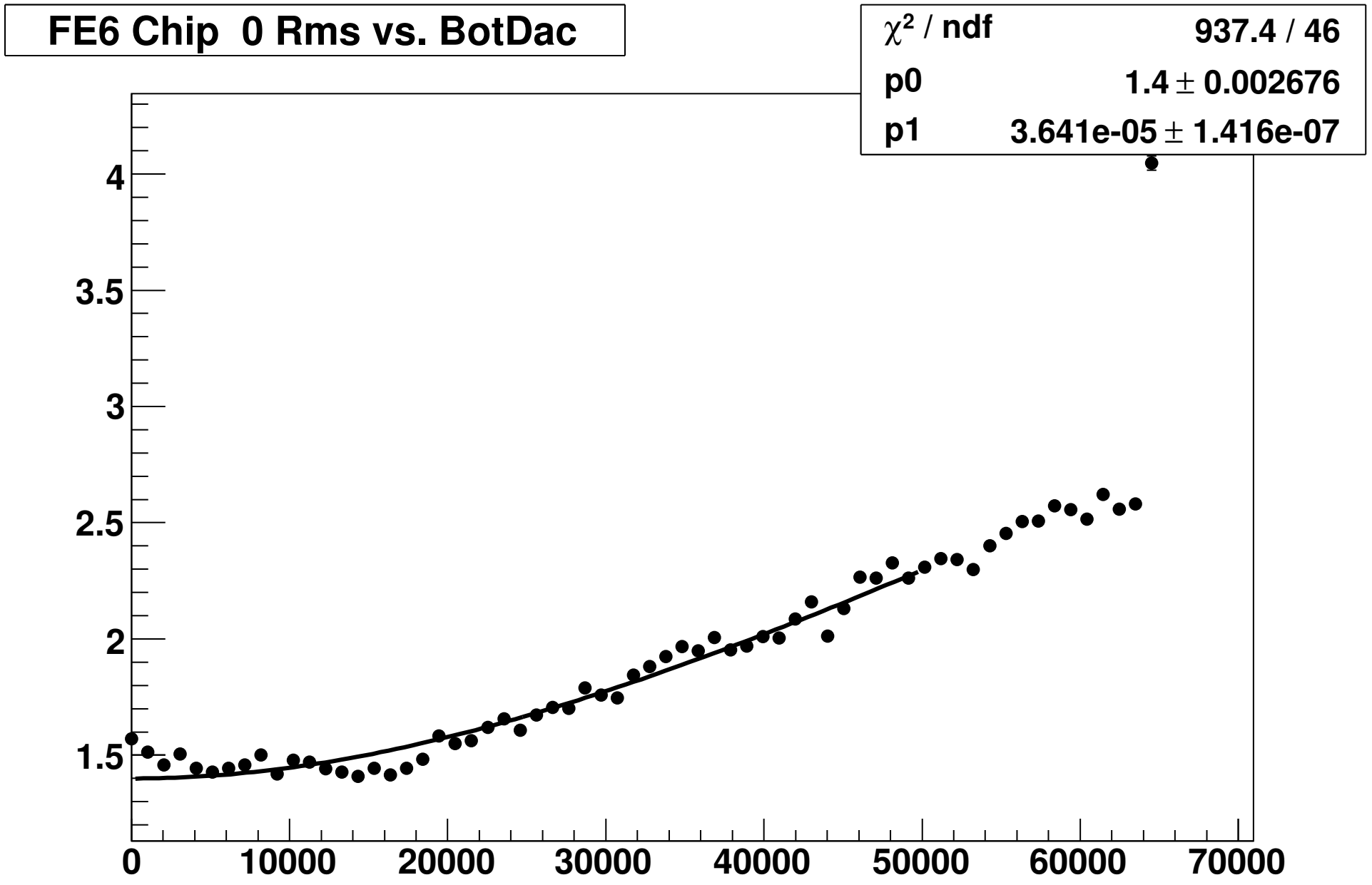
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 937.4 / 46
p0 1.4 ± 0.002676
p1 3.641e-05 ± 1.416e-07
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3
2.5
2
1.5
0
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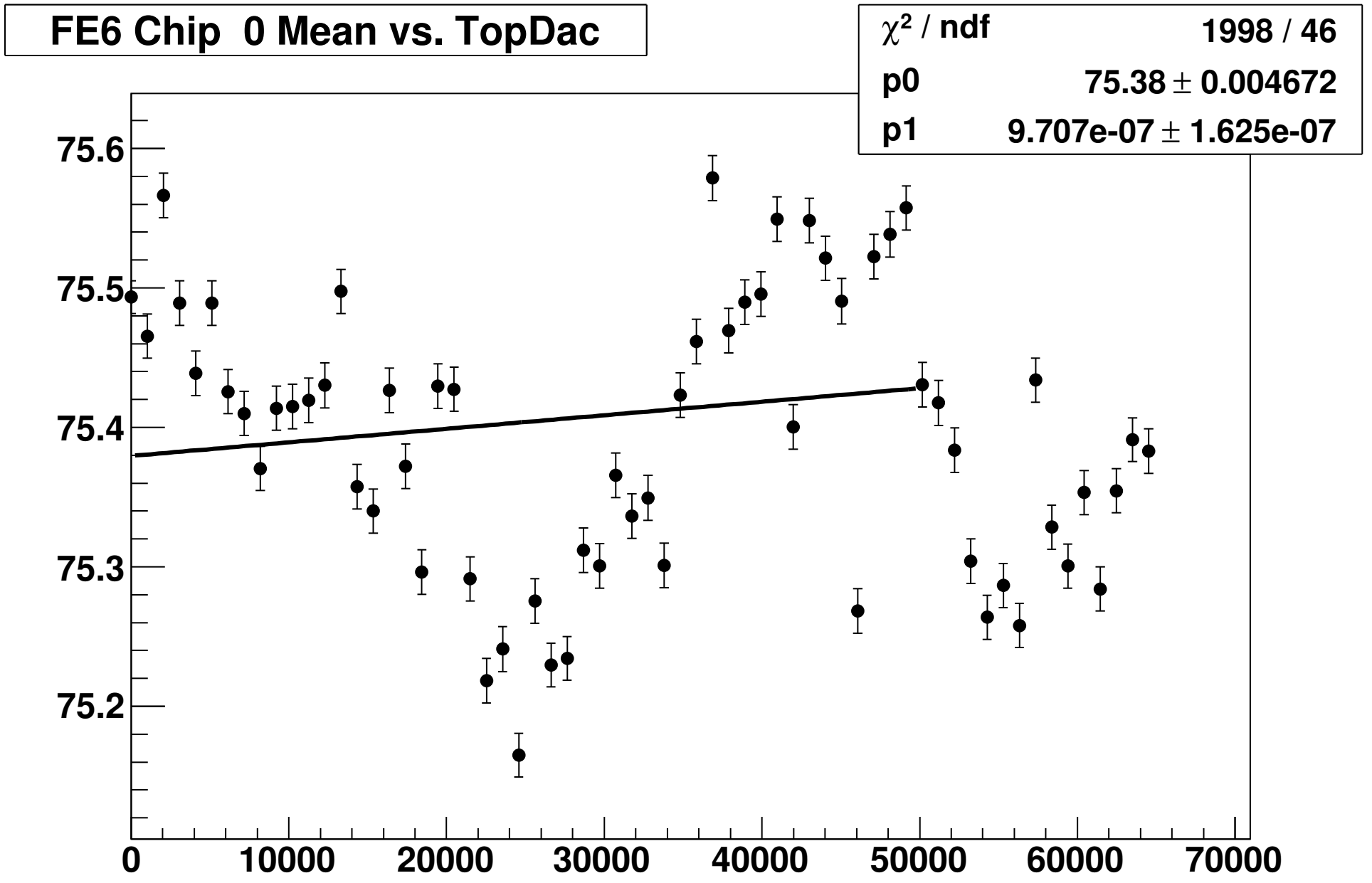
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 1998 / 46
p0 75.38 ± 0.004672
p1 9.707e-07 ± 1.625e-07
75.6
75.5
75.4
75.3
75.2
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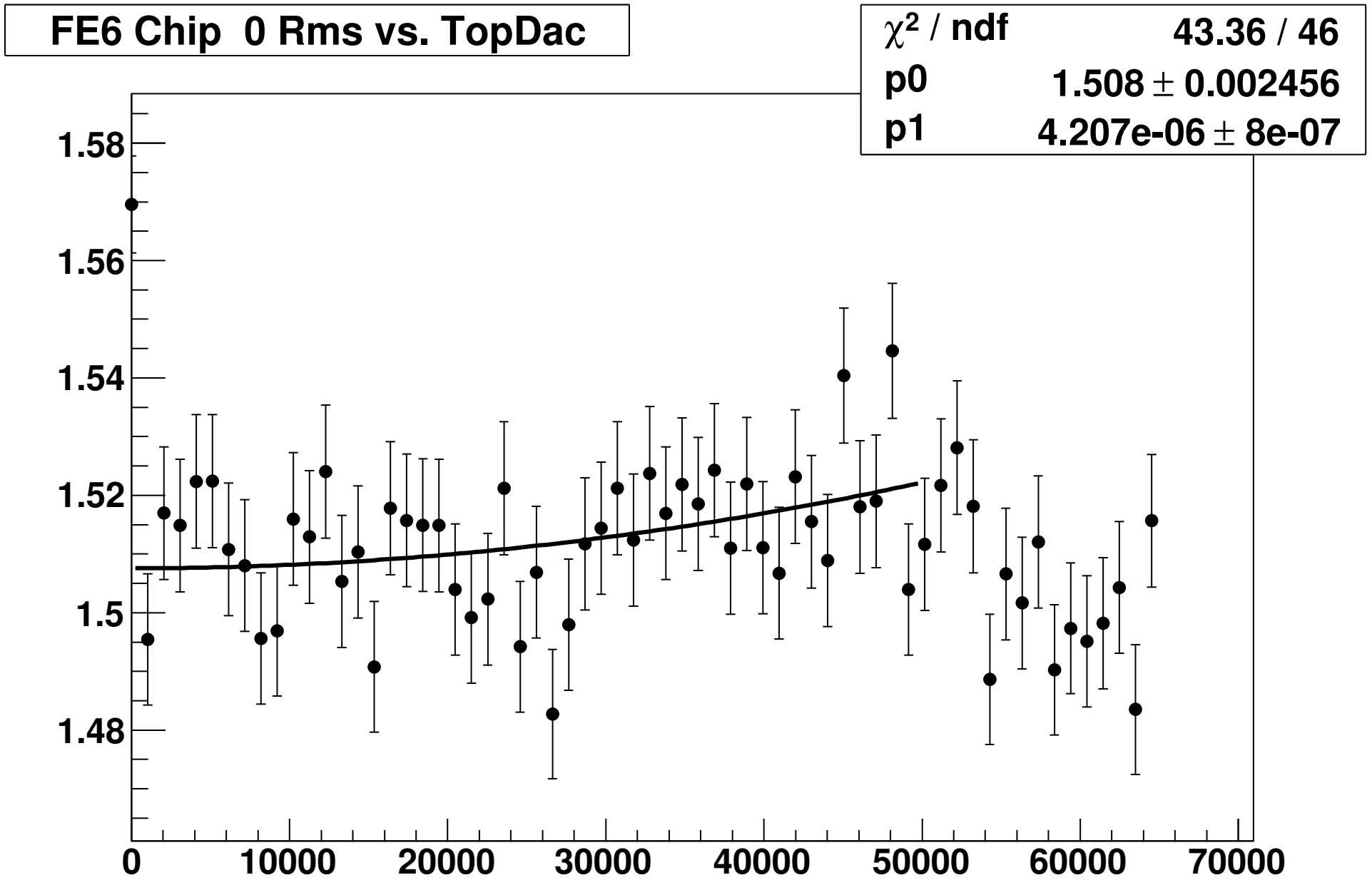
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 43.36 / 46
p0 1.508 ± 0.002456
p1 4.207e-06 ± 8e-07
1.58
1.56
1.54
1.52
1.5
1.48
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30000
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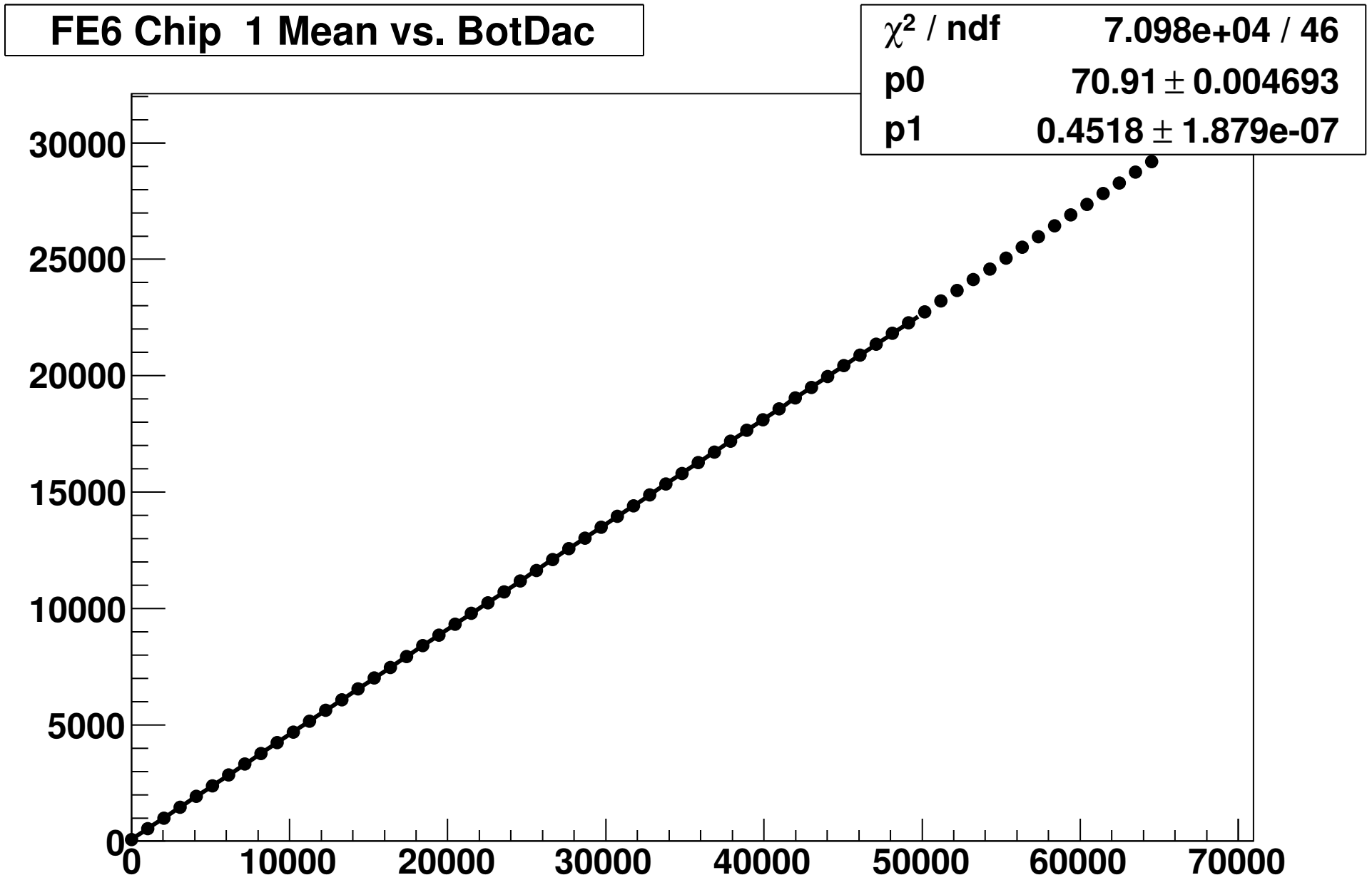
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 7.098e+04 / 46
p0 70.91 ± 0.004693
p1 0.4518 ± 1.879e-07
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10000
20000
30000
40000
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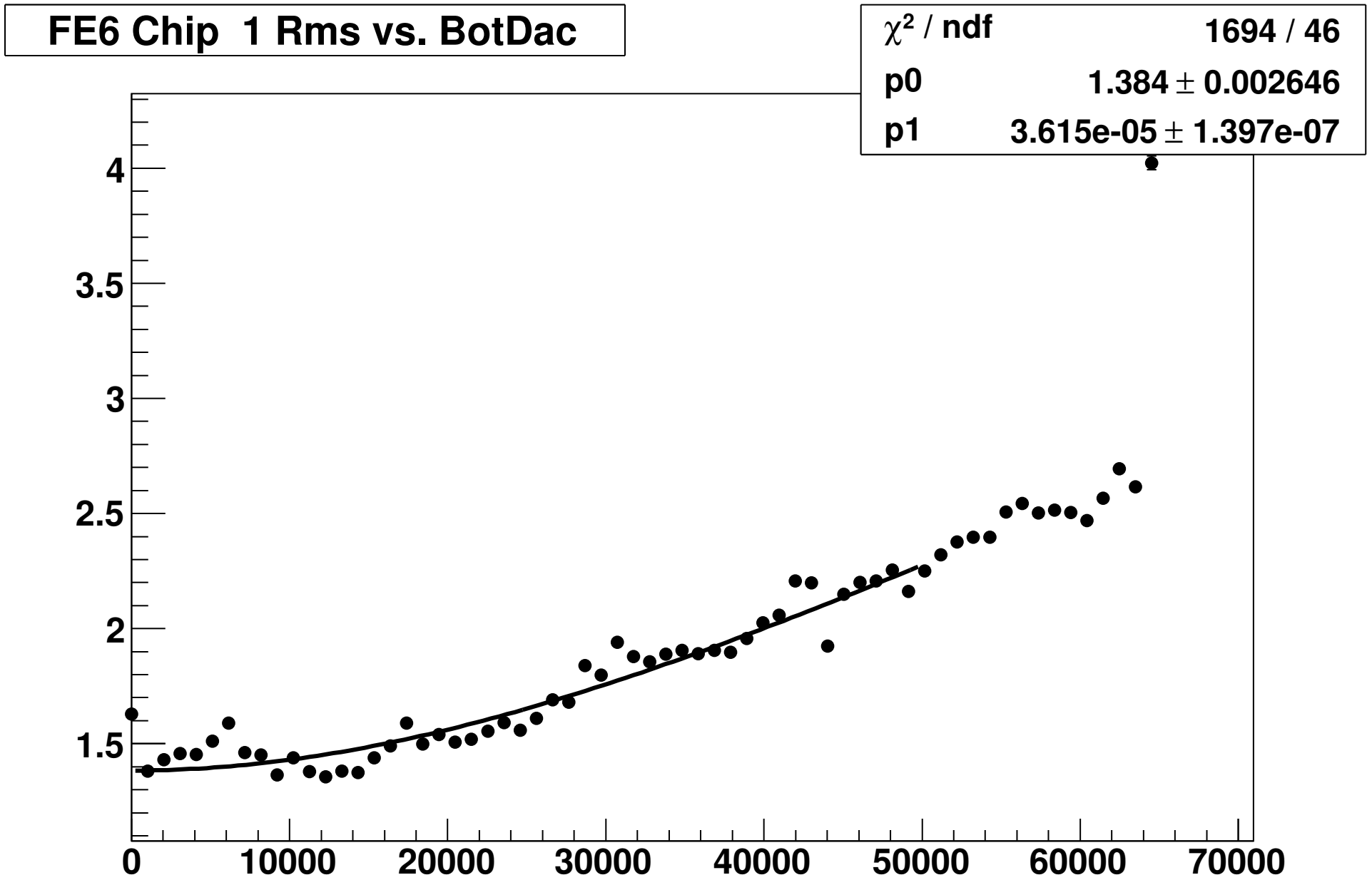
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1694 / 46
p0 1.384 ± 0.002646
p1 3.615e-05 ± 1.397e-07
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3.5
3
2.5
2
1.5
0
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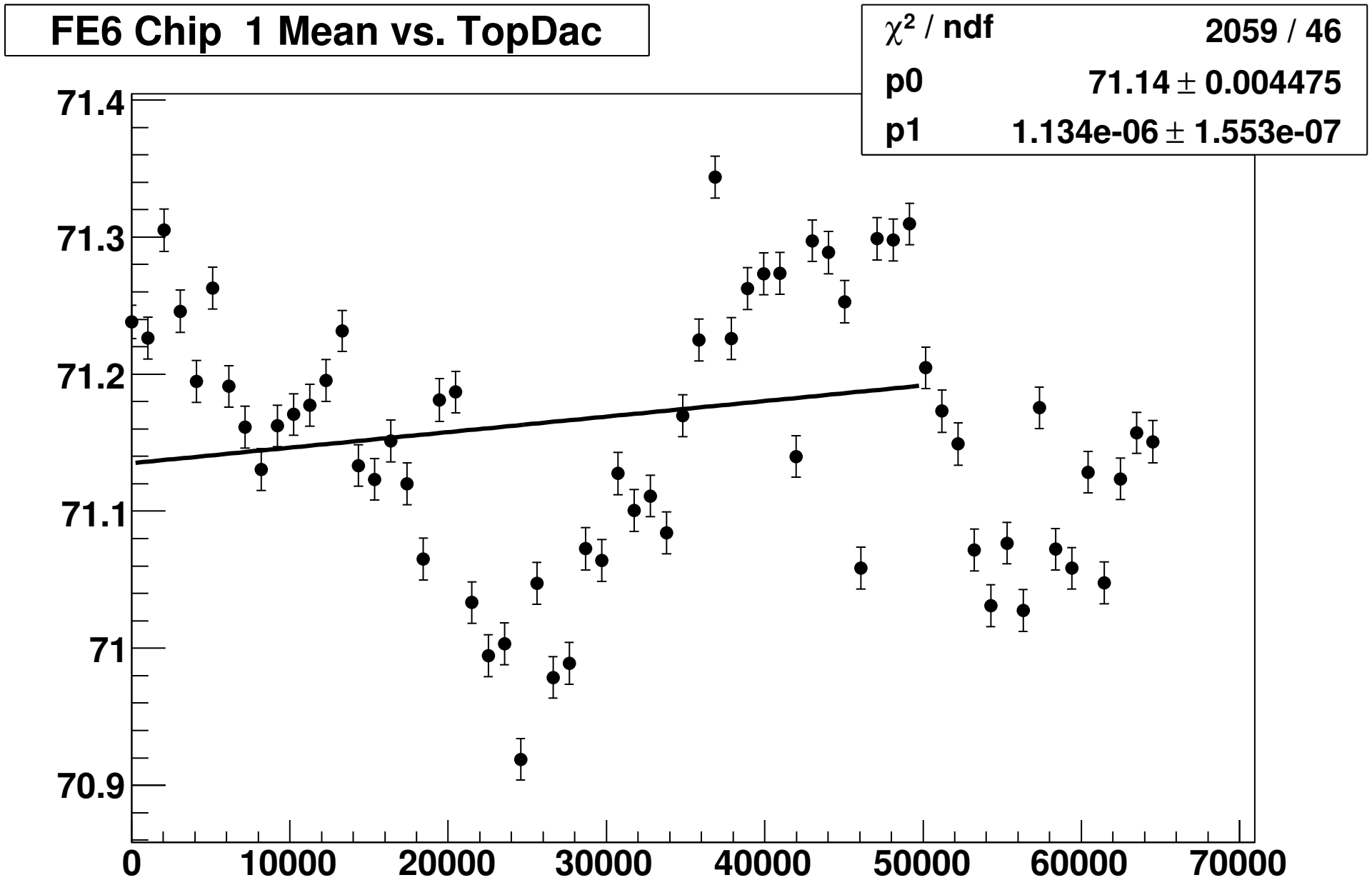
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 2059 / 46
p0 71.14 ± 0.004475
p1 1.134e-06 ± 1.553e-07
71.4
71.3
71.2
71.1
71
70.9
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30000
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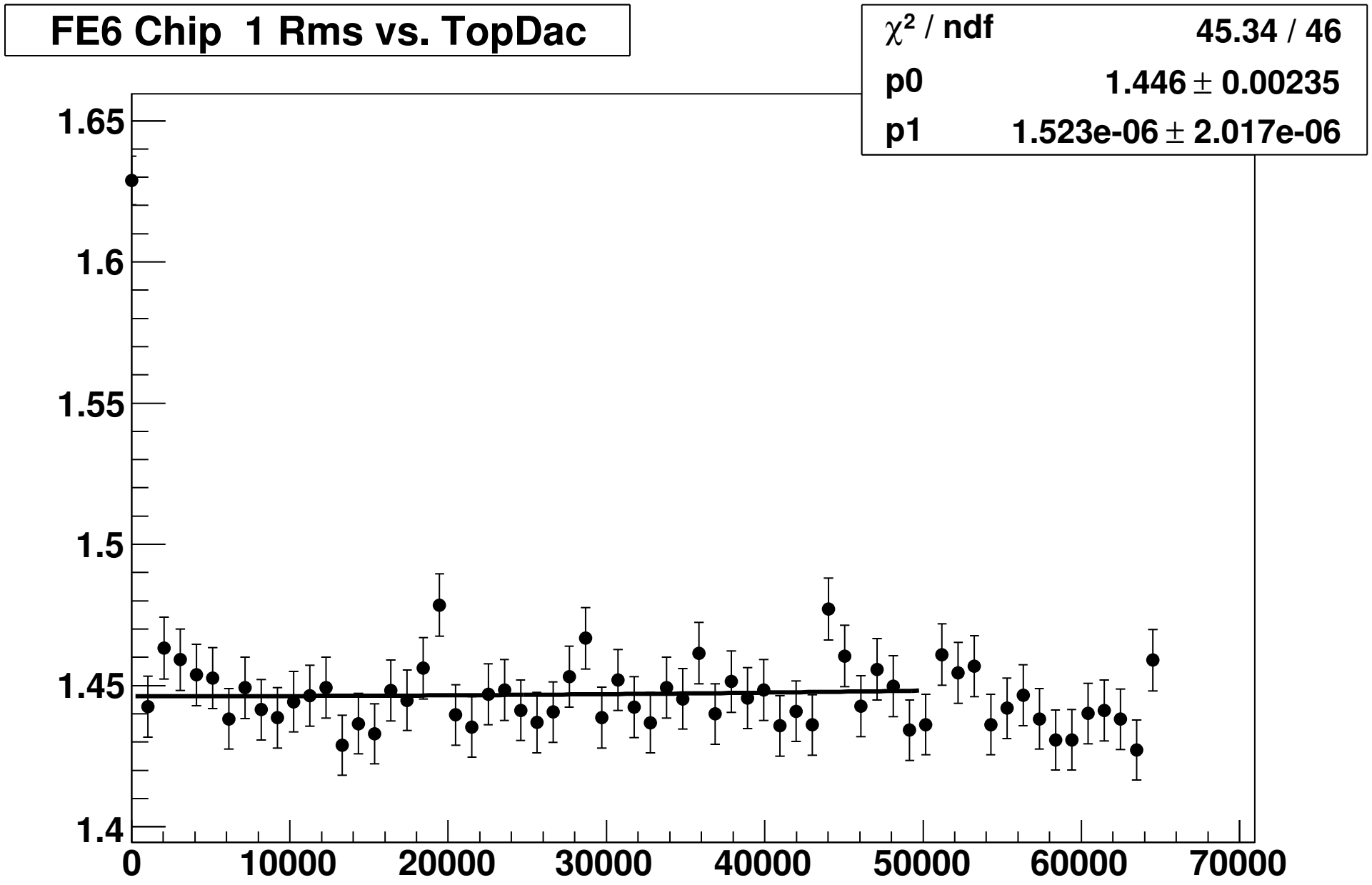
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 45.34 / 46
p0 1.446 ± 0.00235
p1 1.523e-06 ± 2.017e-06
1.65
1.6
1.55
1.5
1.45
1.4
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50000
60000
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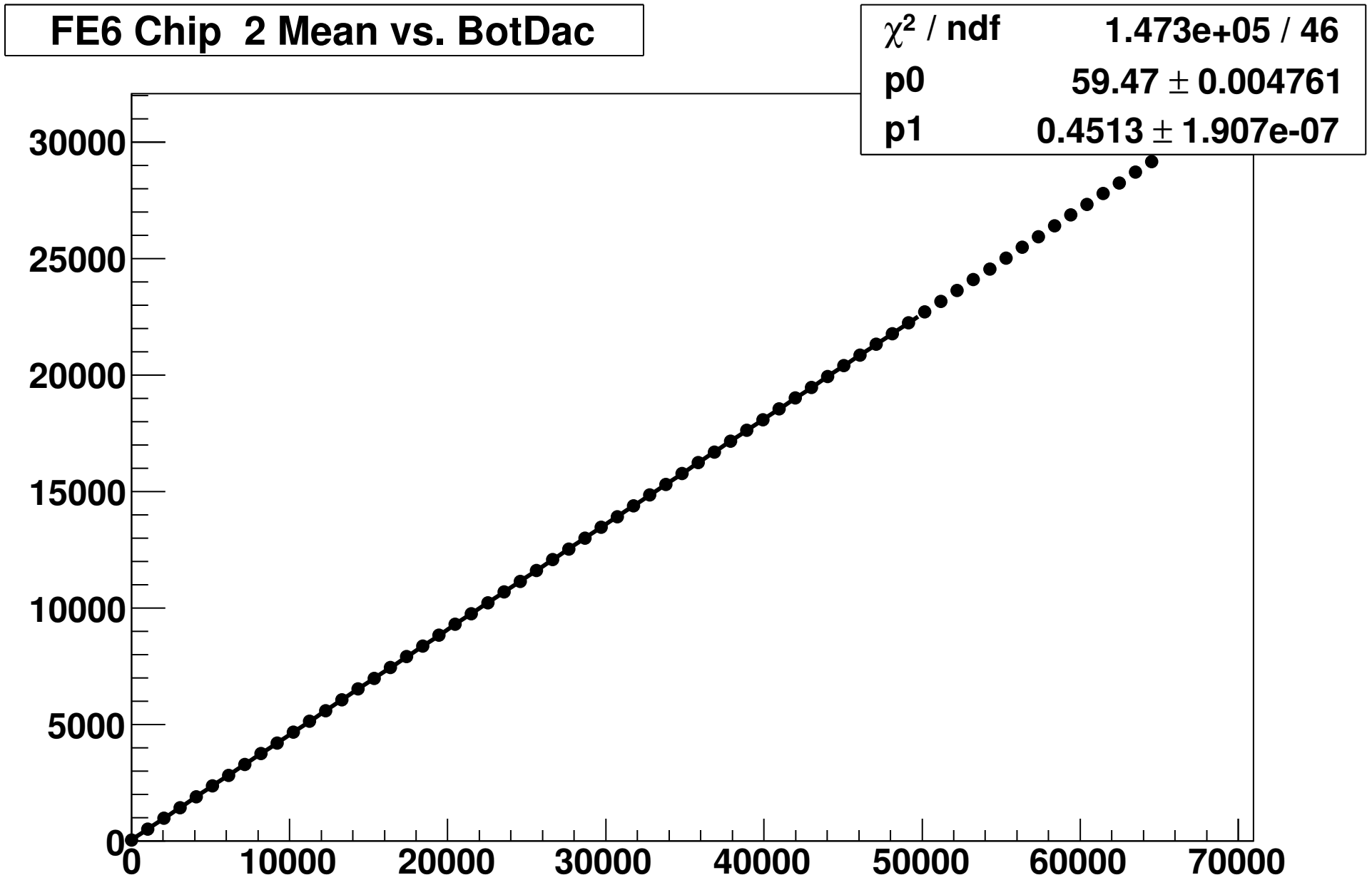
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.473e+05 / 46
p0 59.47 ± 0.004761
p1 0.4513 ± 1.907e-07
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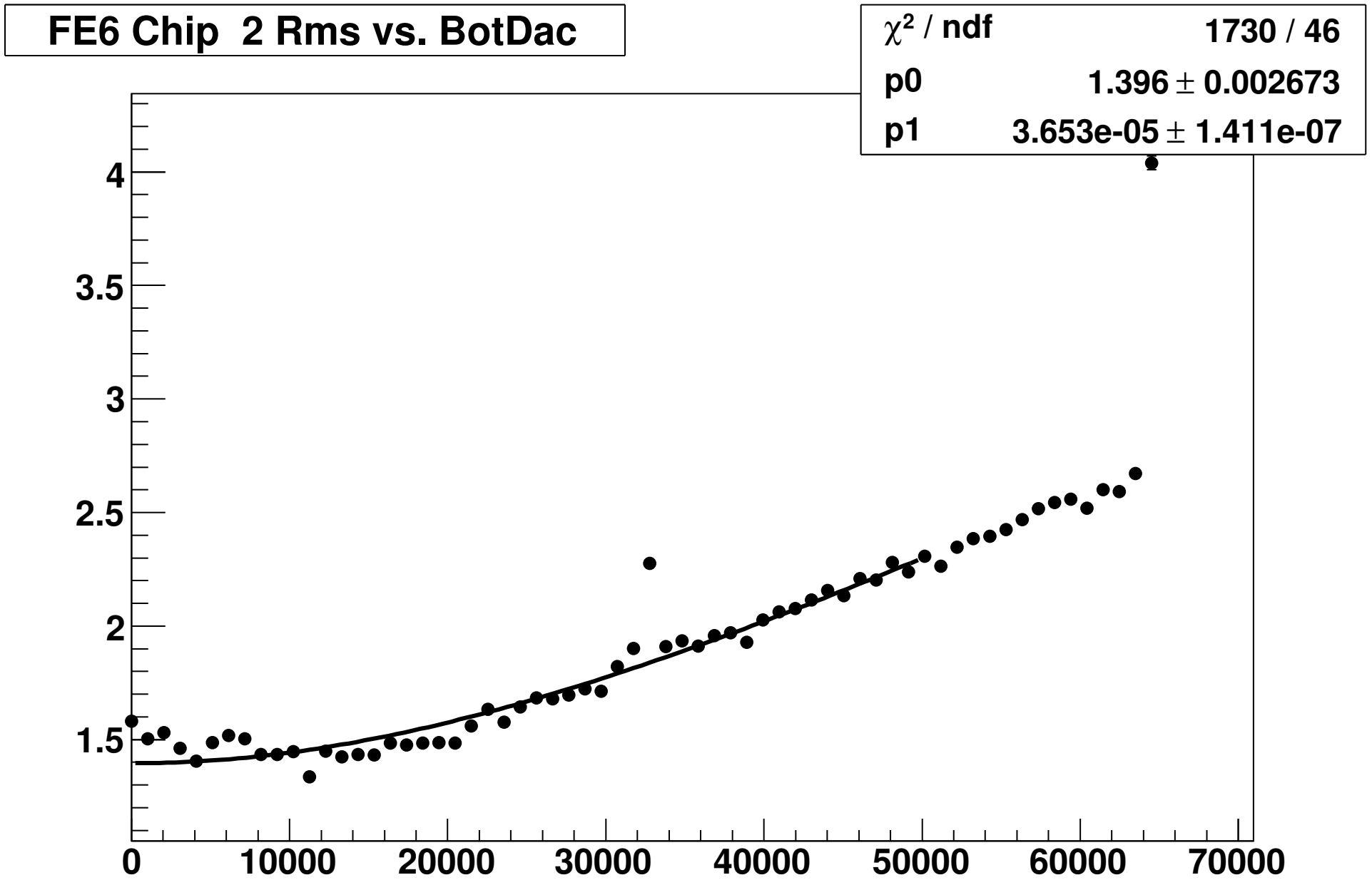
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1730 / 46
p0 1.396 ± 0.002673
p1 3.653e-05 ± 1.411e-07
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3.5
3
2.5
2
1.5
0
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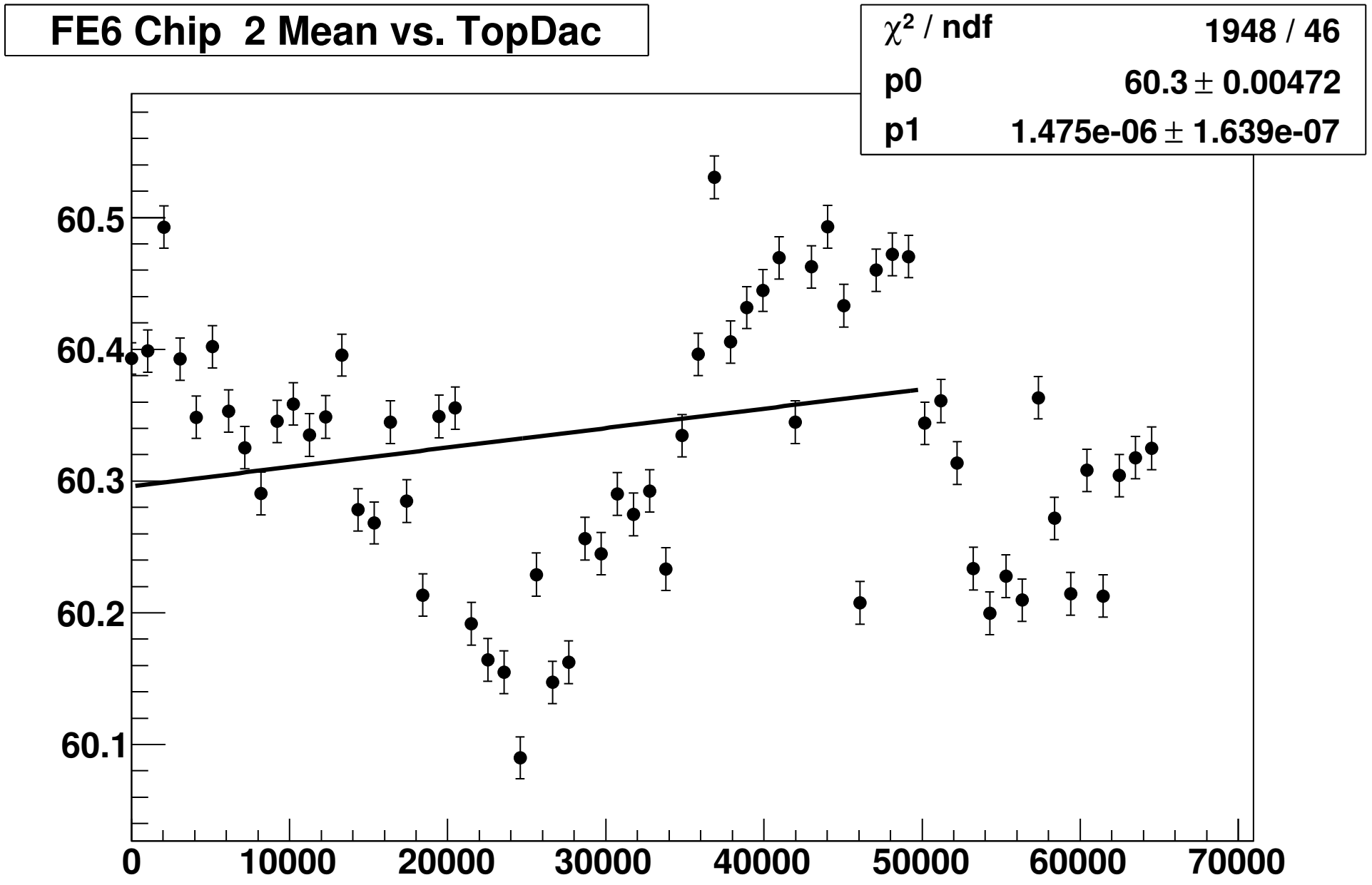
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1948 / 46
p0 60.3 ± 0.00472
p1 1.475e-06 ± 1.639e-07
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60.4
60.3
60.2
60.1
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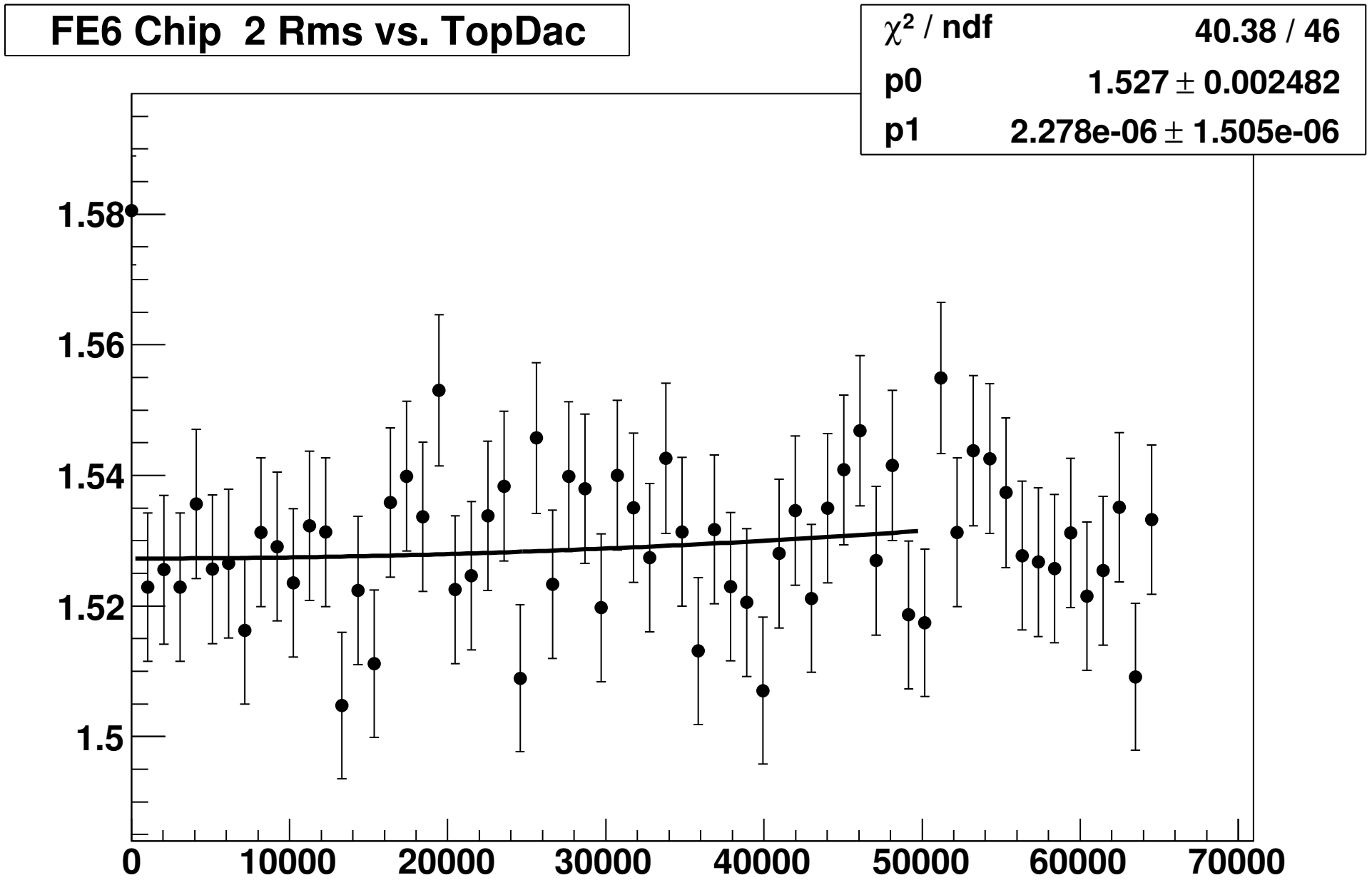
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 40.38 / 46
p0 1.527 ± 0.002482
p1 2.278e-06 ± 1.505e-06
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1.56
1.54
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1.5
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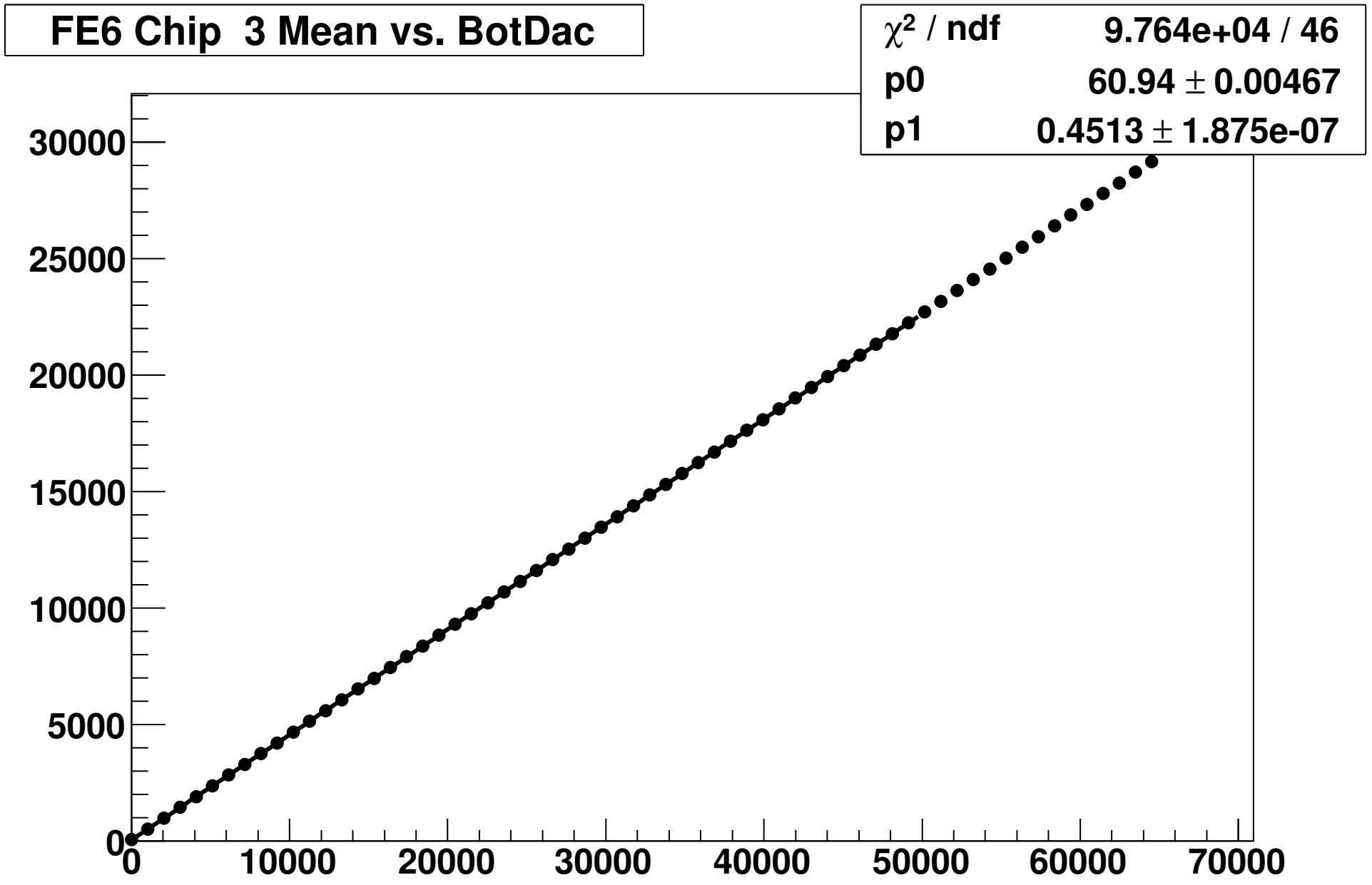
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.764e+04 / 46
p0 60.94 ± 0.00467
p1 0.4513 ± 1.875e-07
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20000
15000
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20000
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50000
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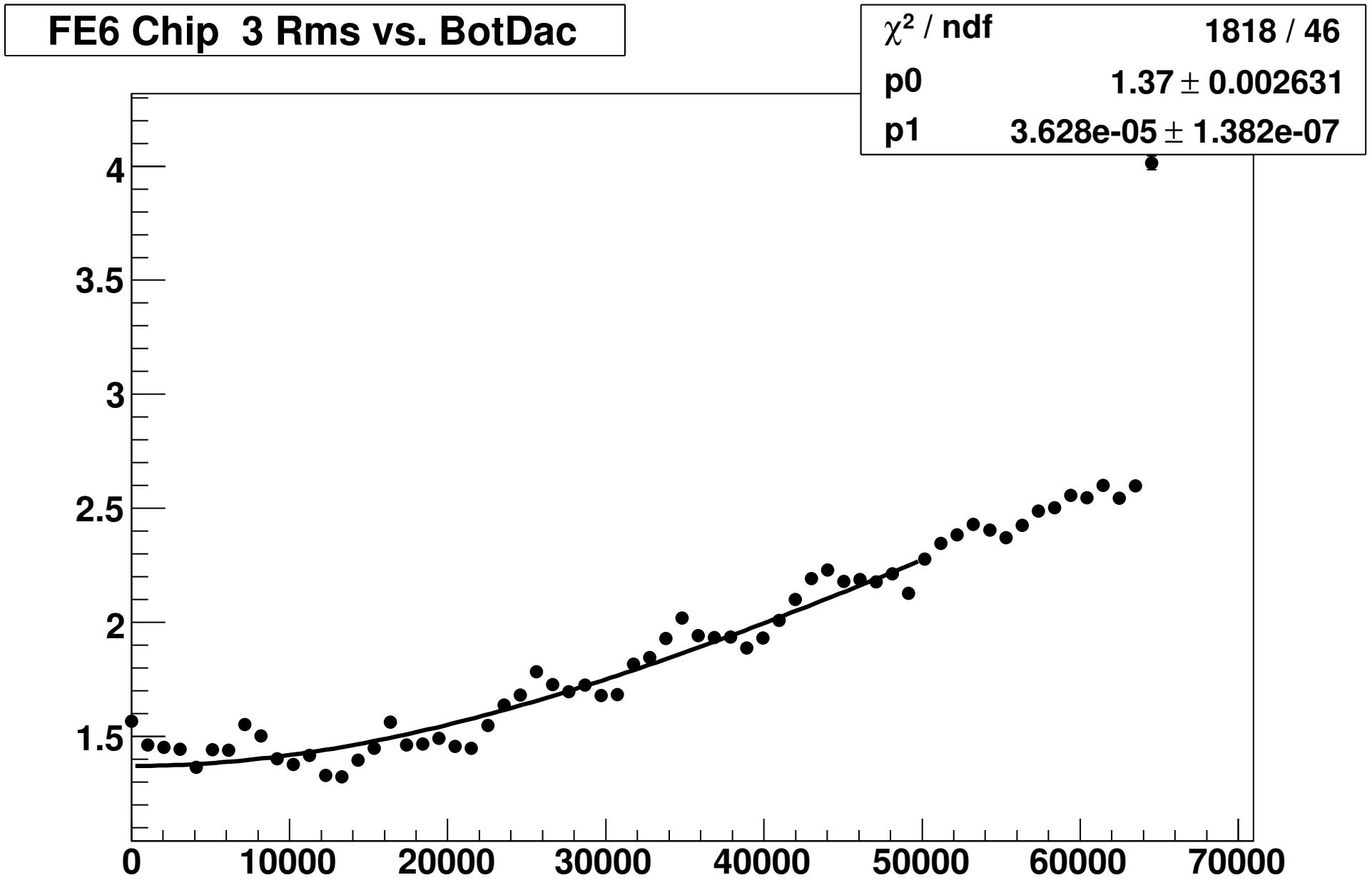
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1818 / 46
p0 1.37 ± 0.002631
p1 3.628e-05 ± 1.382e-07
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3
2.5
2
1.5
0
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40000
50000
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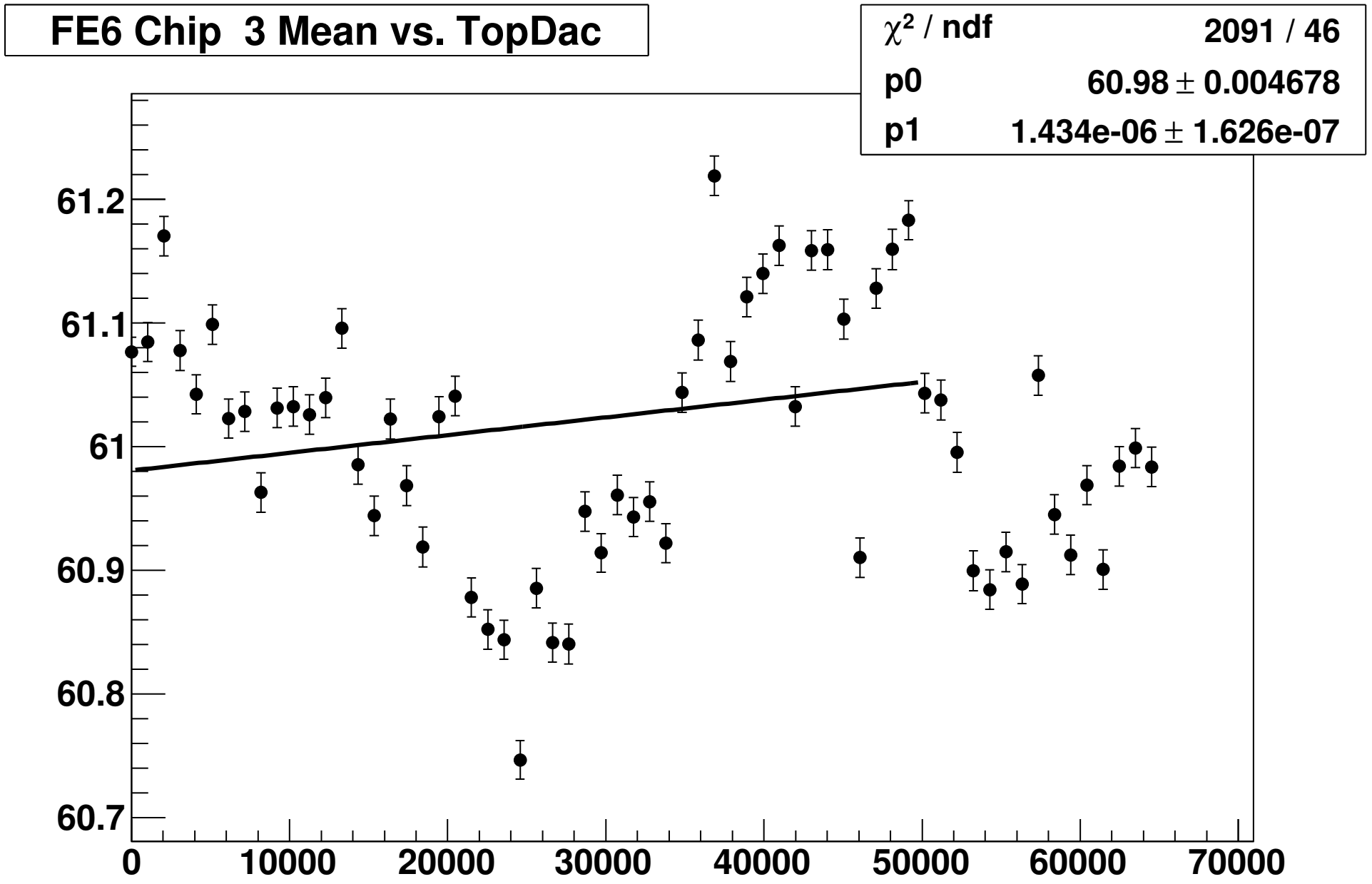
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 2091 / 46
p0 60.98 ± 0.004678
p1 1.434e-06 ± 1.626e-07
61.2
61.1
61
60.9
60.8
60.7
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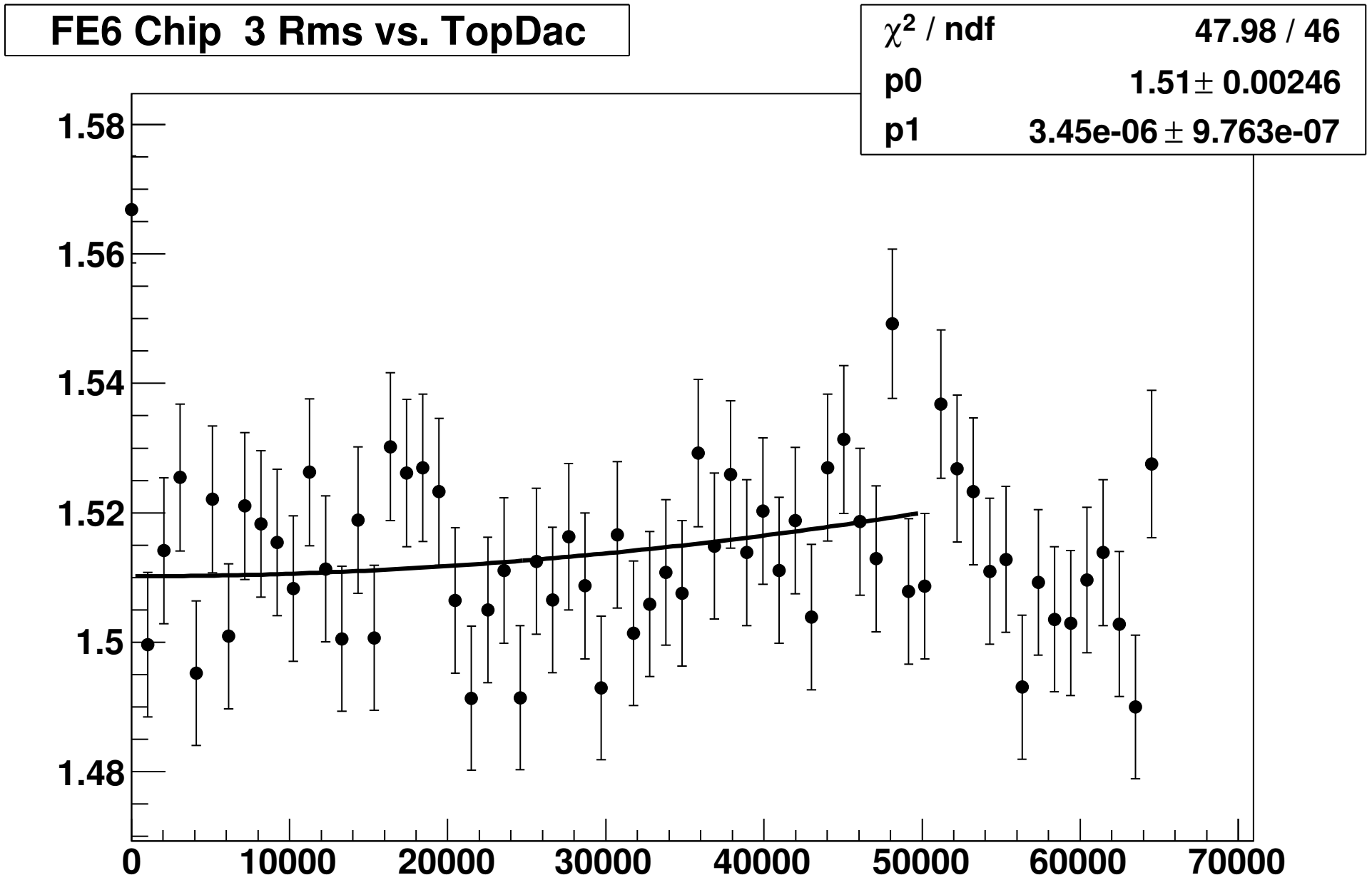
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 47.98 / 46
p0 1.51 ± 0.00246
p1 3.45e-06 ± 9.763e-07
1.58
1.56
1.54
1.52
1.5
1.48
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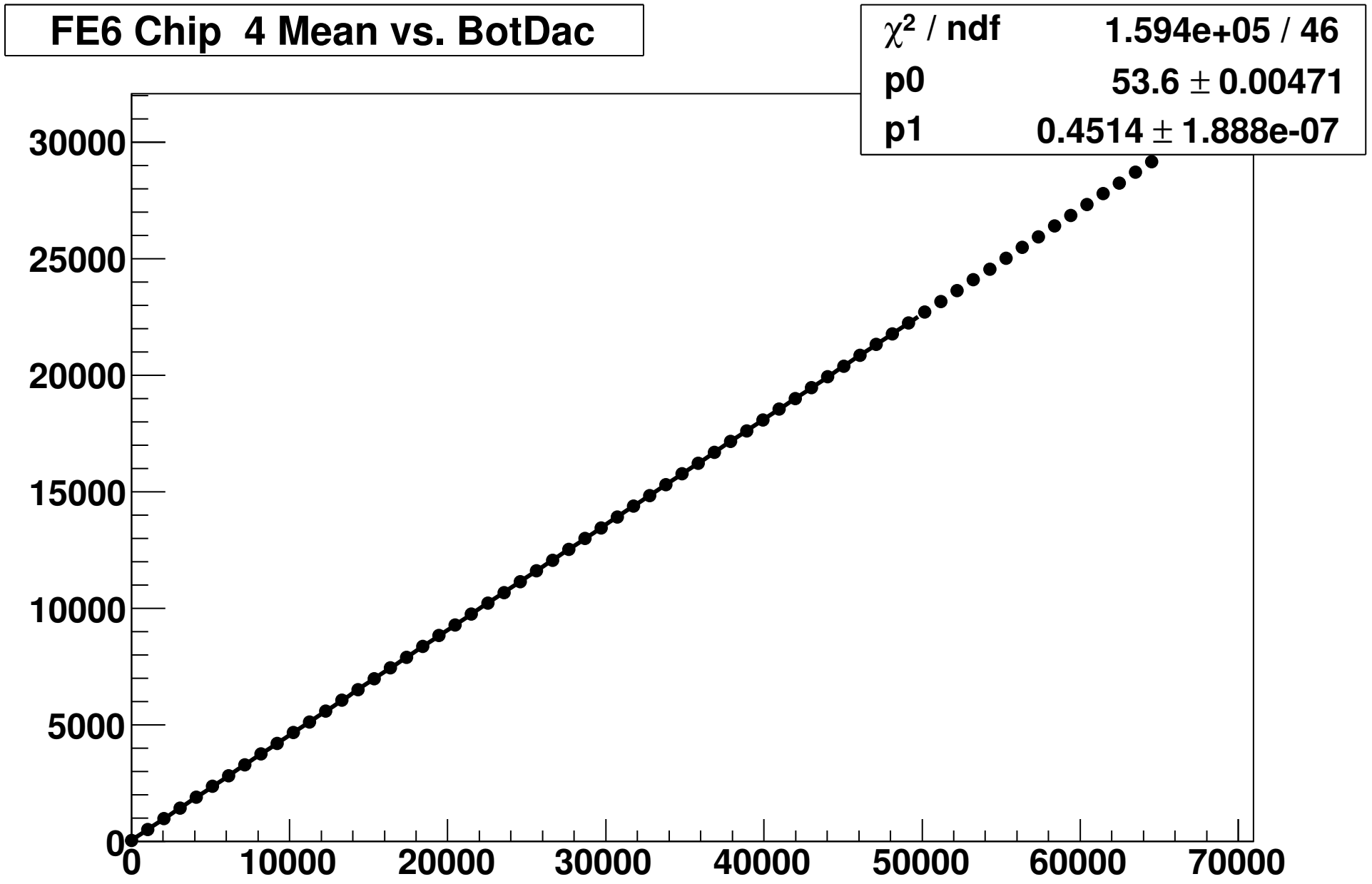
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.594e+05 / 46
p0 53.6 ± 0.00471
p1 0.4514 ± 1.888e-07
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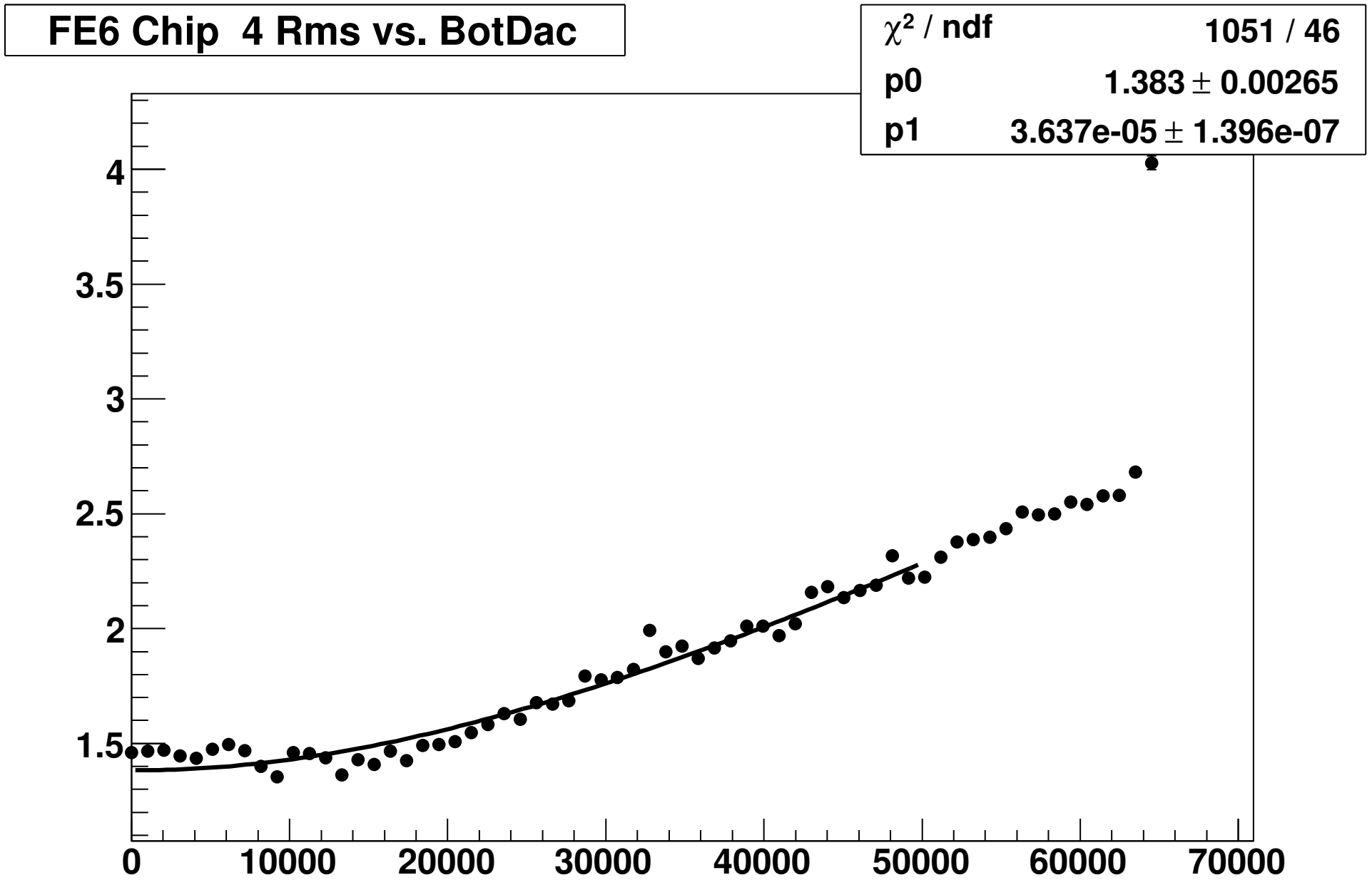
FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1051 / 46
p0 1.383 ± 0.00265
p1 3.637e-05 ± 1.396e-07
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3
2.5
2
1.5
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20000
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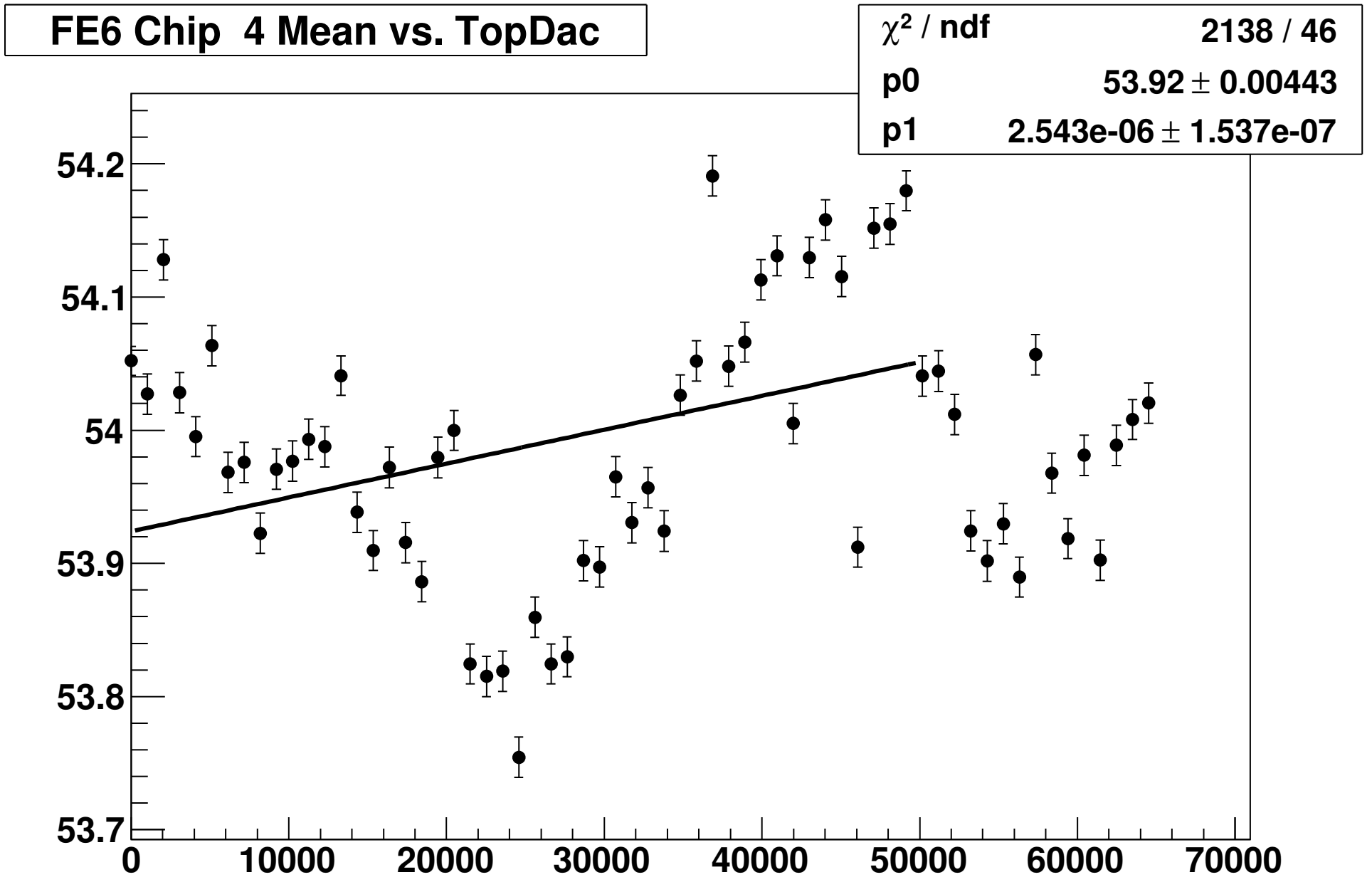
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 2138 / 46
p0 53.92 ± 0.00443
p1 2.543e-06 ± 1.537e-07
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54.1
54
53.9
53.8
53.7
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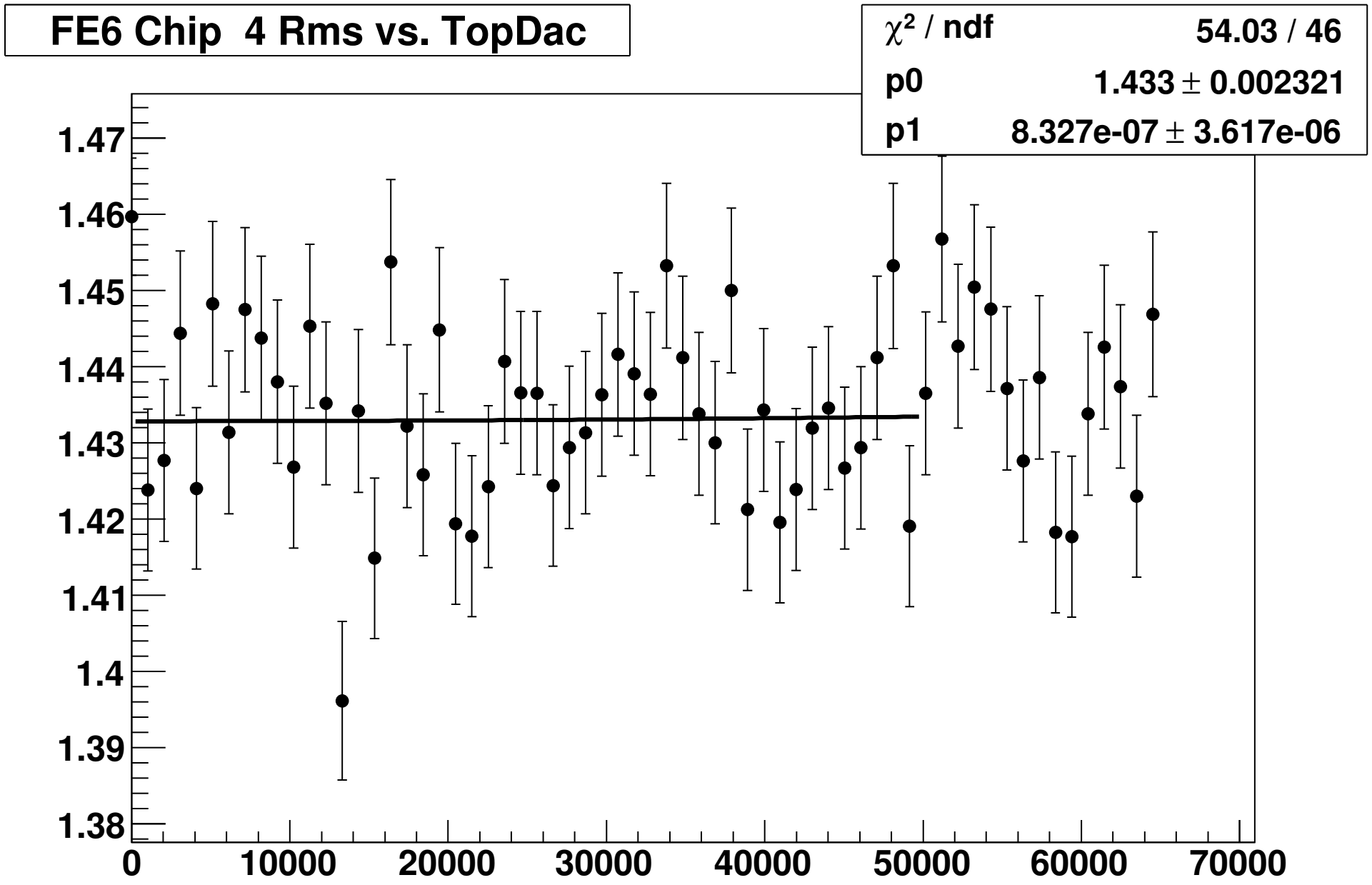
FE6 Chip 4 Rms vs. TopDac
χ² / ndf 54.03 / 46
p0 1.433 ± 0.002321
p1 8.327e-07 ± 3.617e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
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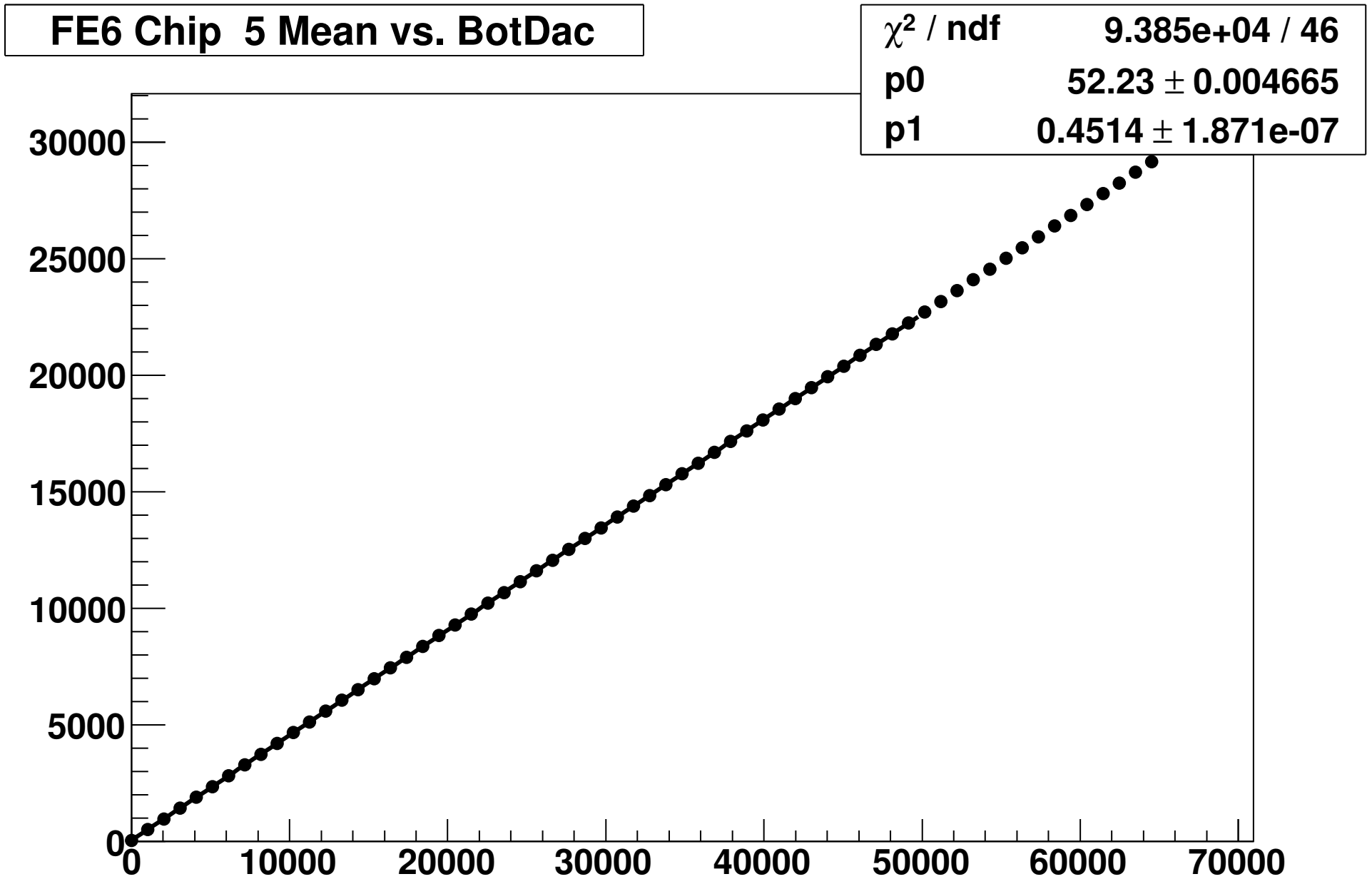
FE6 Chip 5 Mean vs. BotDac
χ² / ndf 9.385e+04 / 46
p0 52.23 ± 0.004665
p1 0.4514 ± 1.871e-07
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10000
20000
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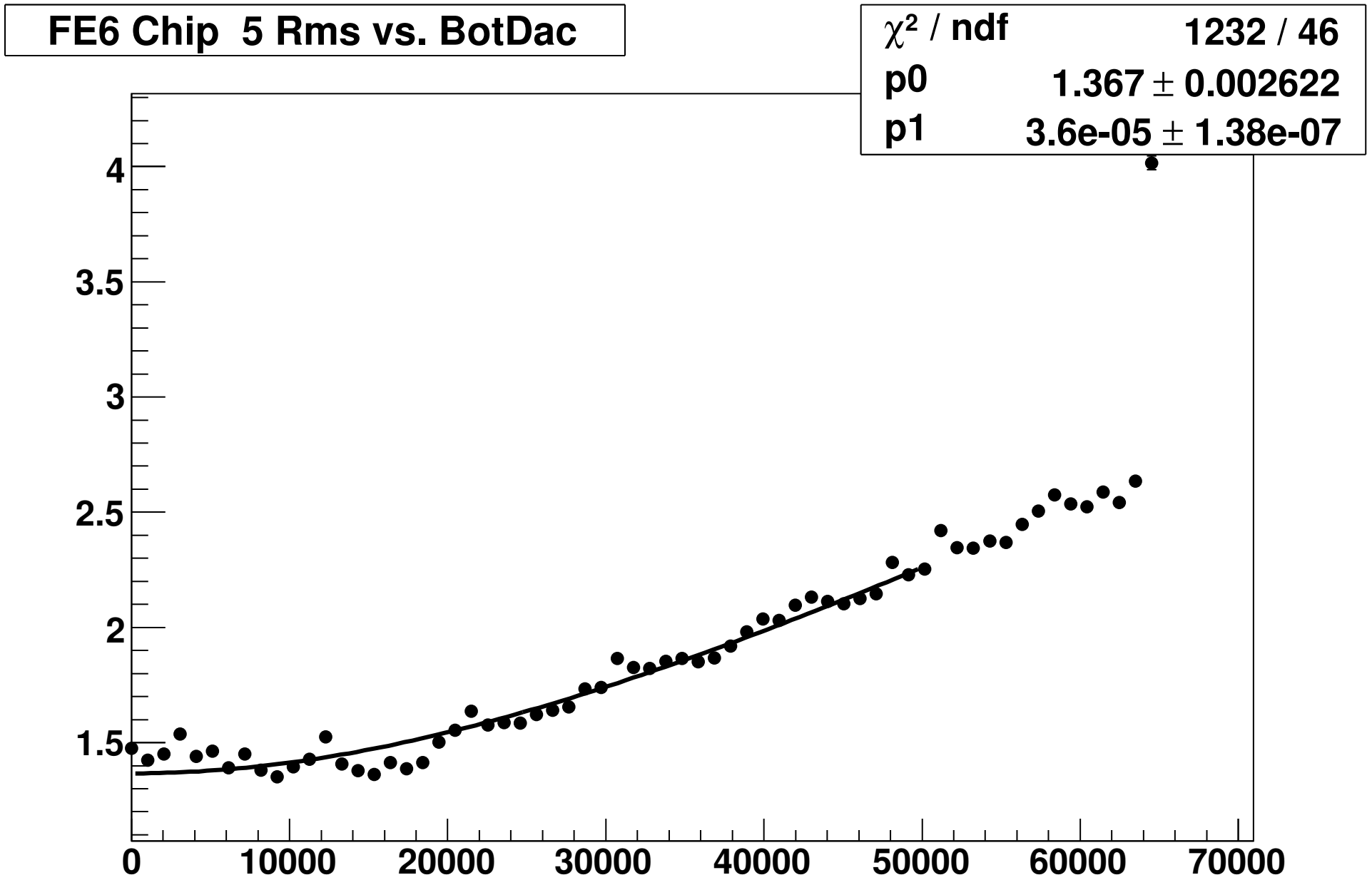
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 1232 / 46
p0 1.367 ± 0.002622
p1 3.6e-05 ± 1.38e-07
4
3.5
3
2.5
2
1.5
0
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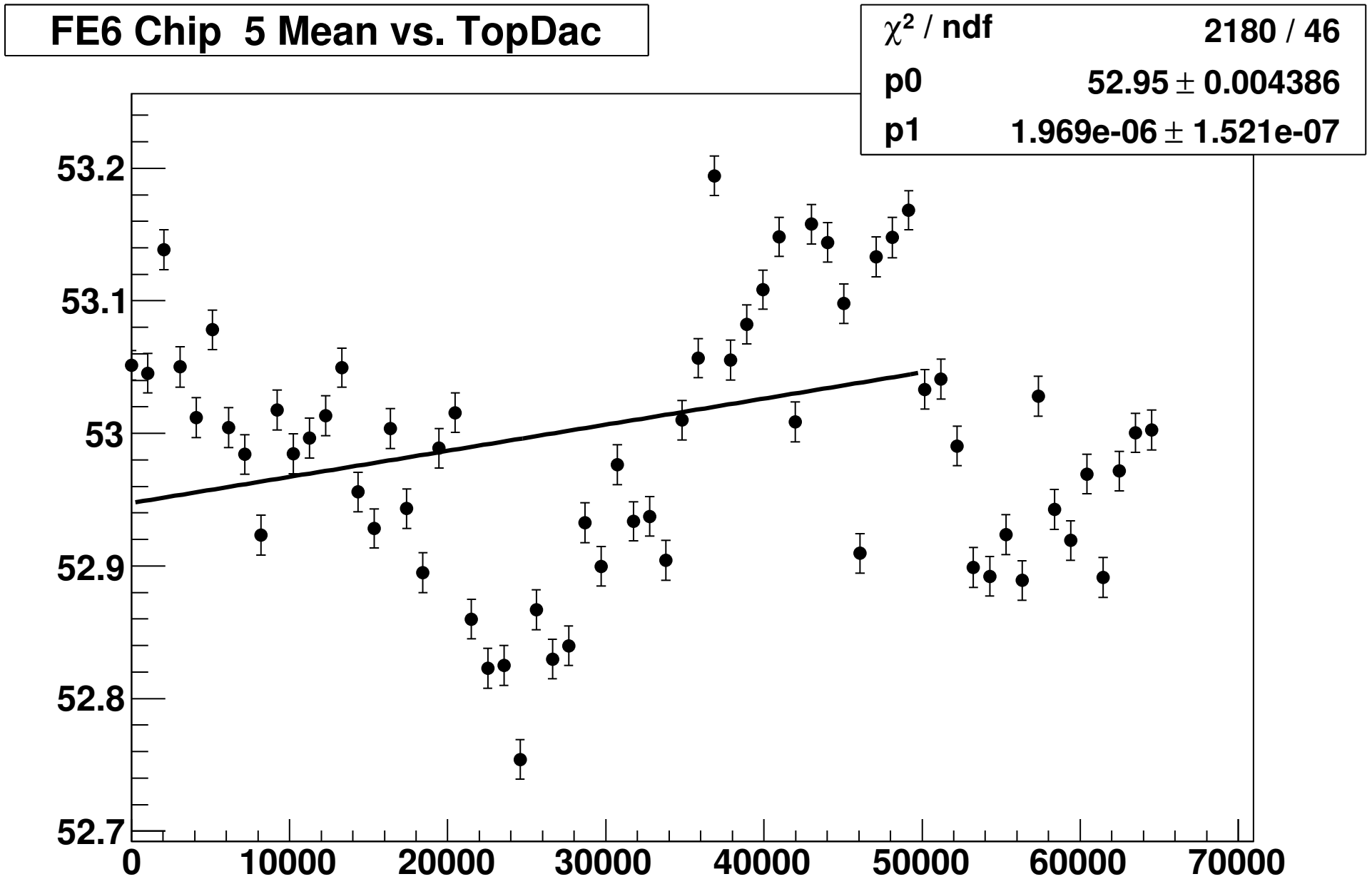
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 2180 / 46
p0 52.95 ± 0.004386
p1 1.969e-06 ± 1.521e-07
53.2
53.1
53
52.9
52.8
52.7
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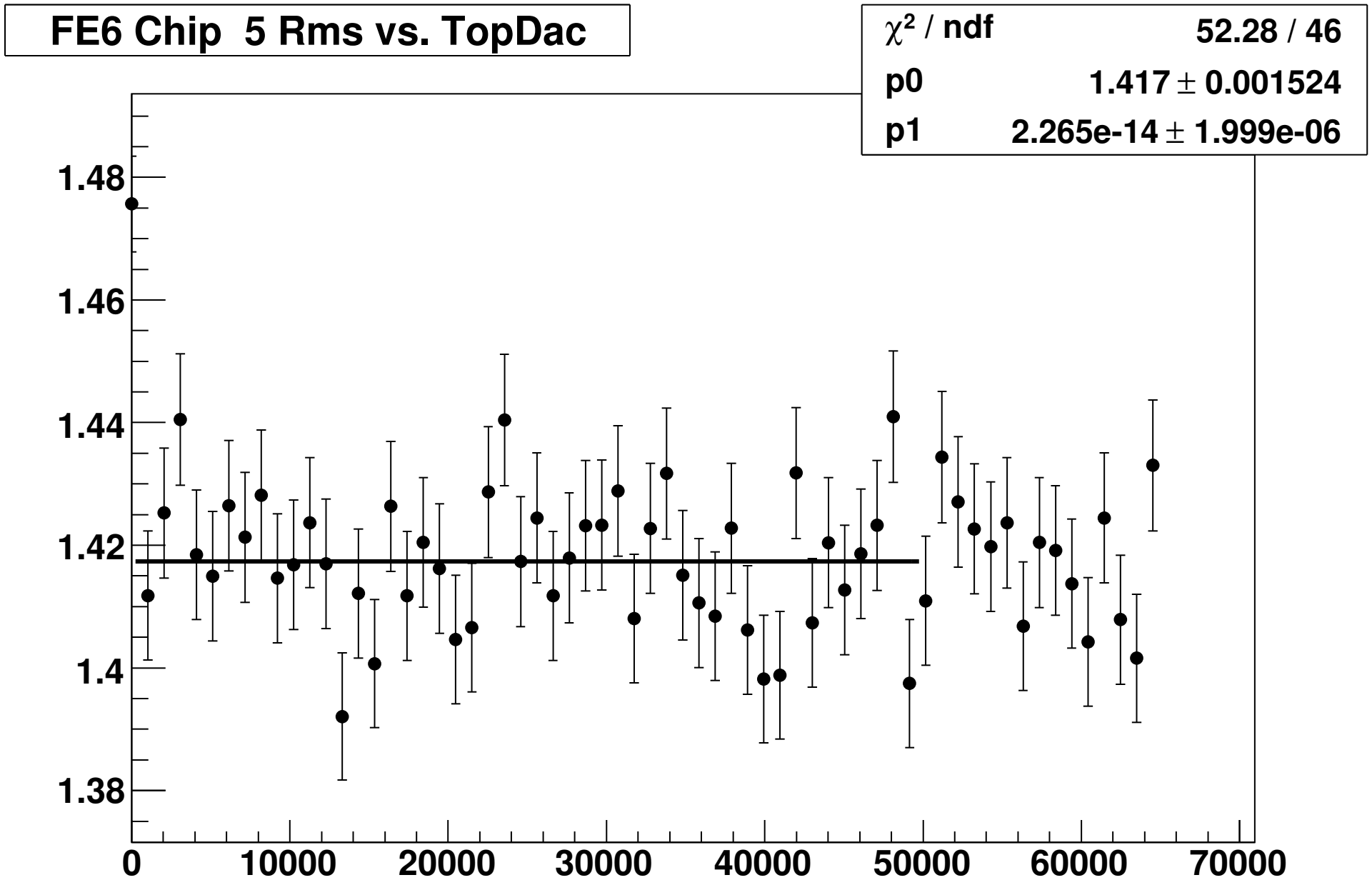
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 52.28 / 46
p0 1.417 ± 0.001524
p1 2.265e-14 ± 1.999e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
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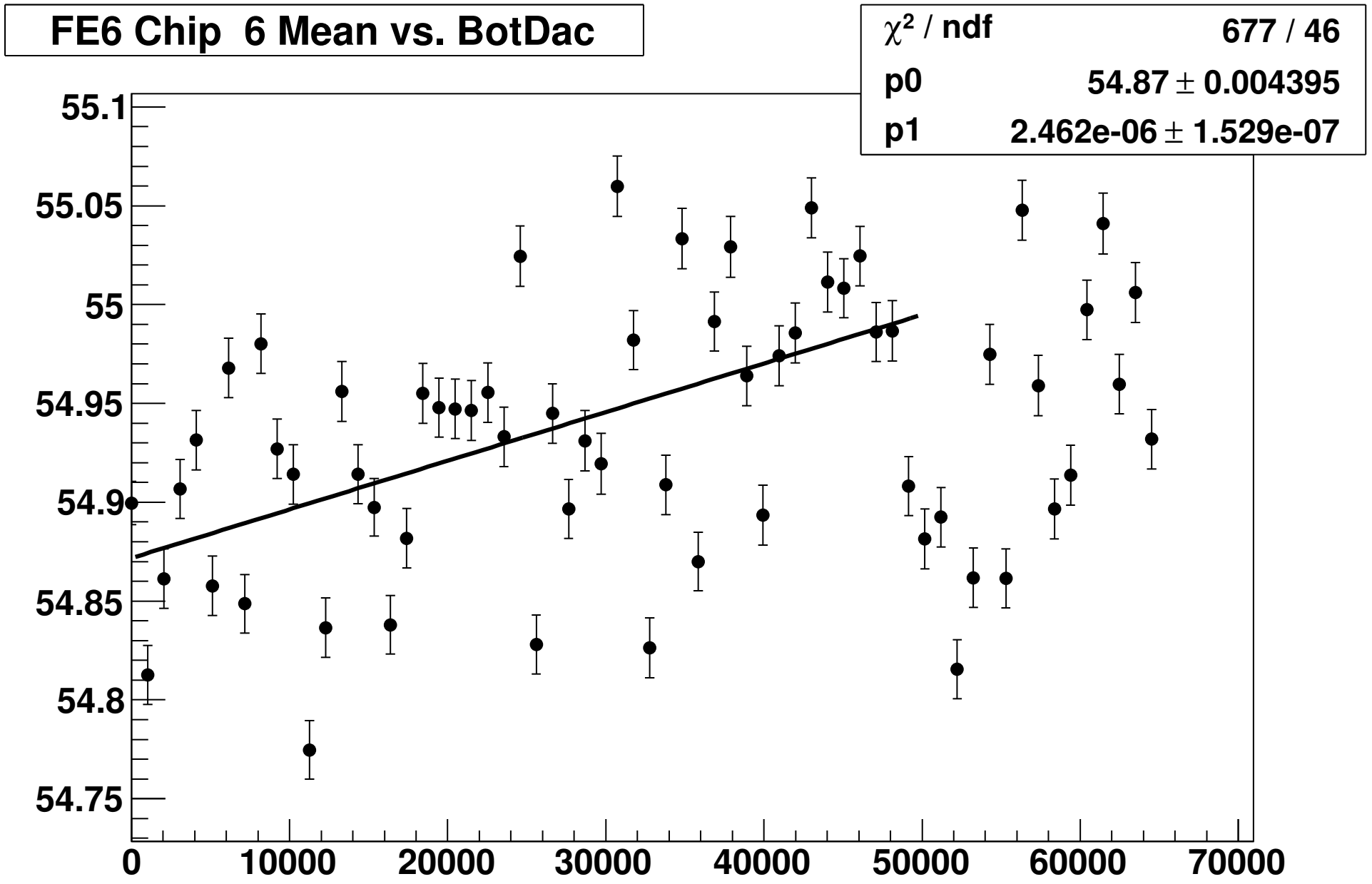
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 677 / 46
p0 54.87 ± 0.004395
p1 2.462e-06 ± 1.529e-07
55.1
55.05
55
54.95
54.9
54.85
54.8
54.75
0
10000
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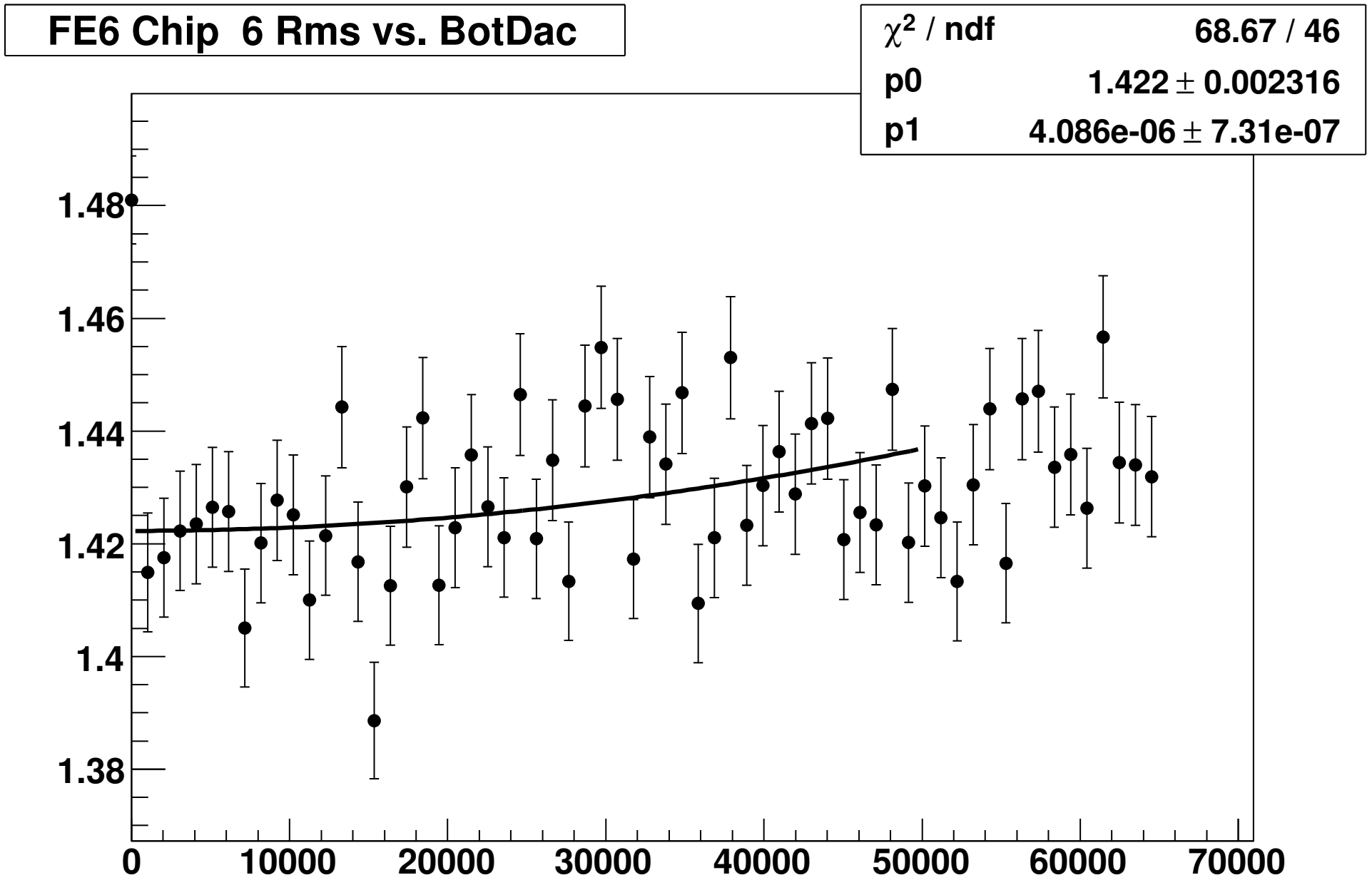
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 68.67 / 46
p0 1.422 ± 0.002316
p1 4.086e-06 ± 7.31e-07
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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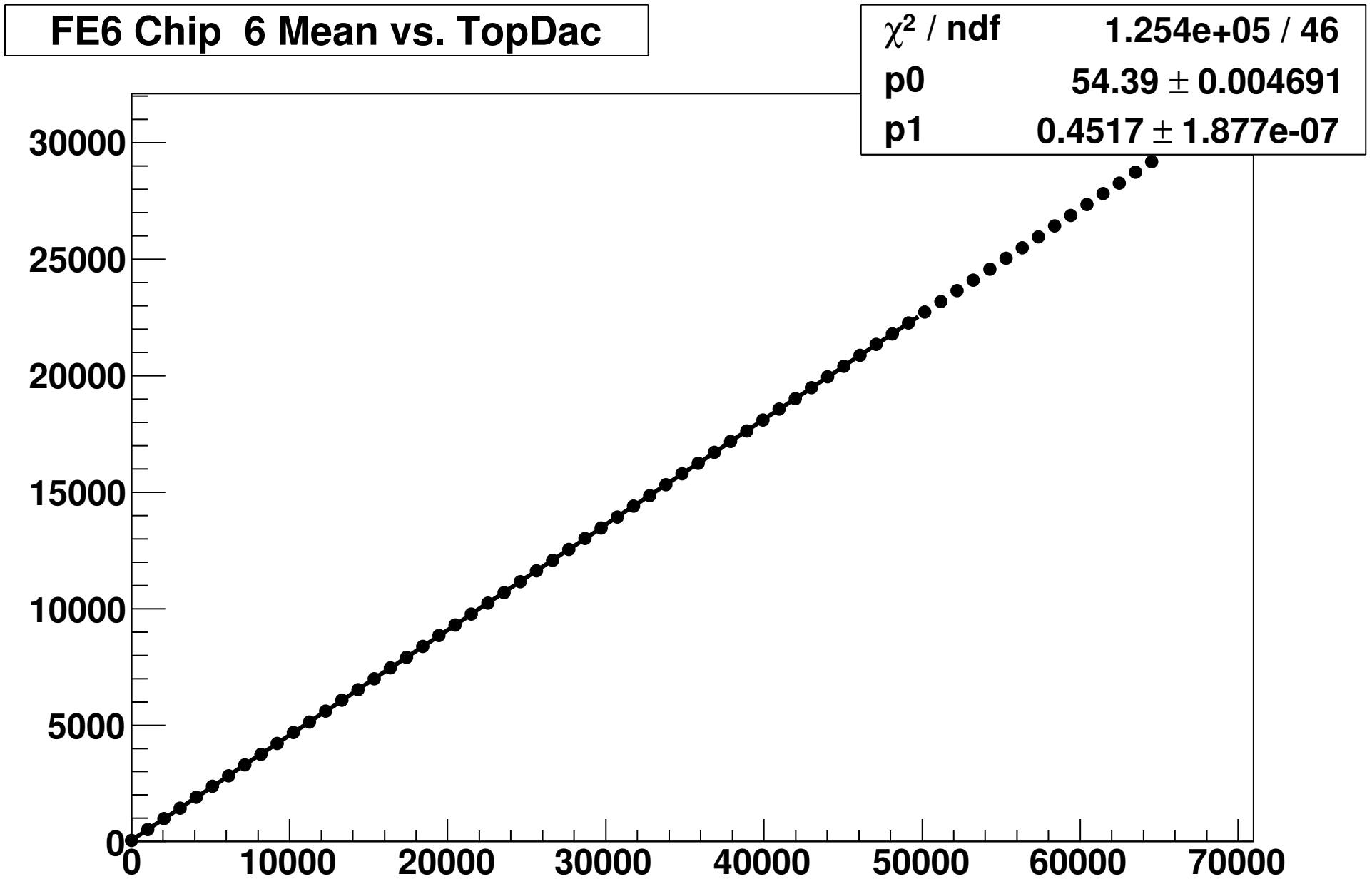
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.254e+05 / 46
p0 54.39 ± 0.004691
p1 0.4517 ± 1.877e-07
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5000
0
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10000
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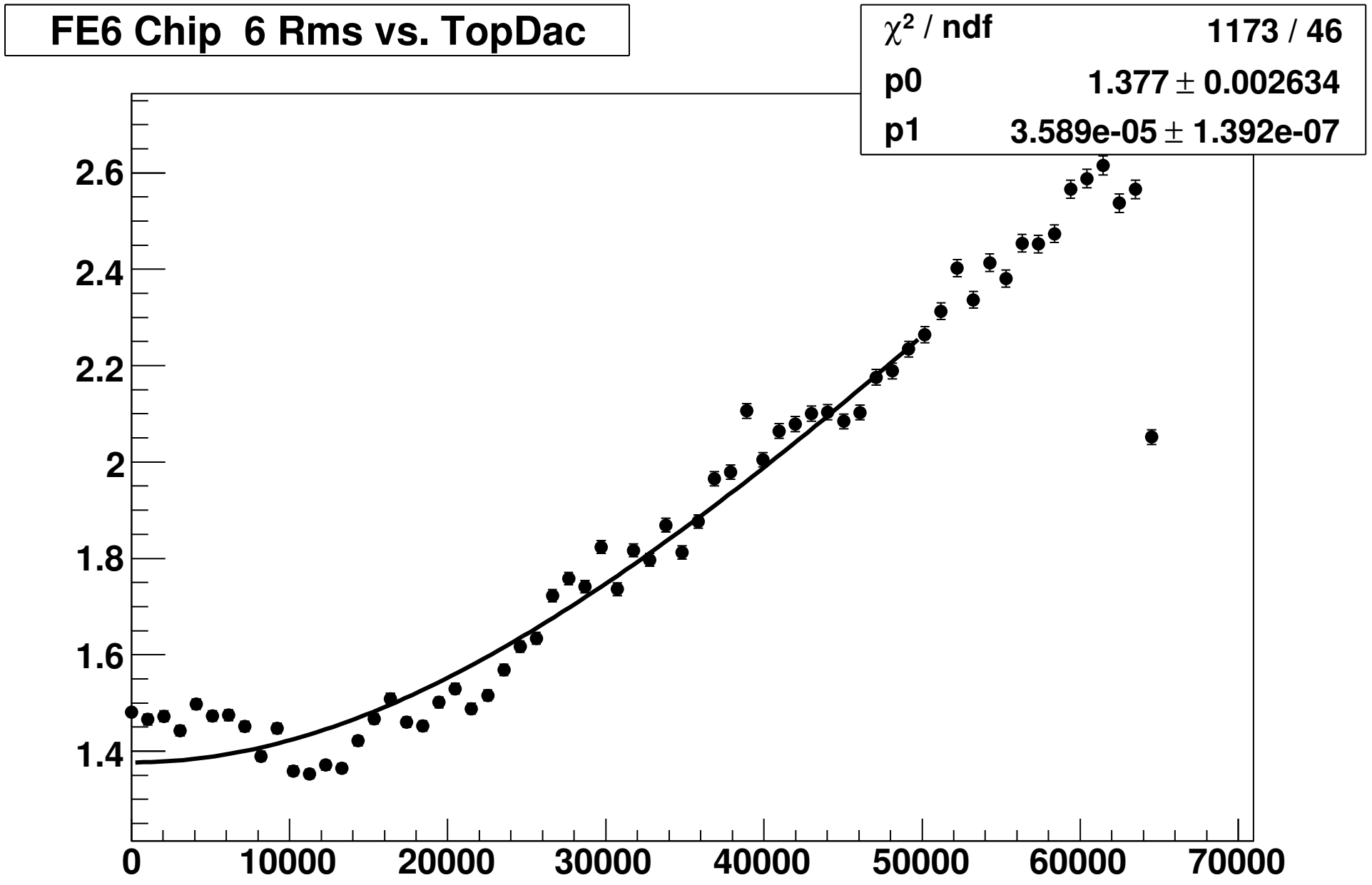
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1173 / 46
p0 1.377 ± 0.002634
p1 3.589e-05 ± 1.392e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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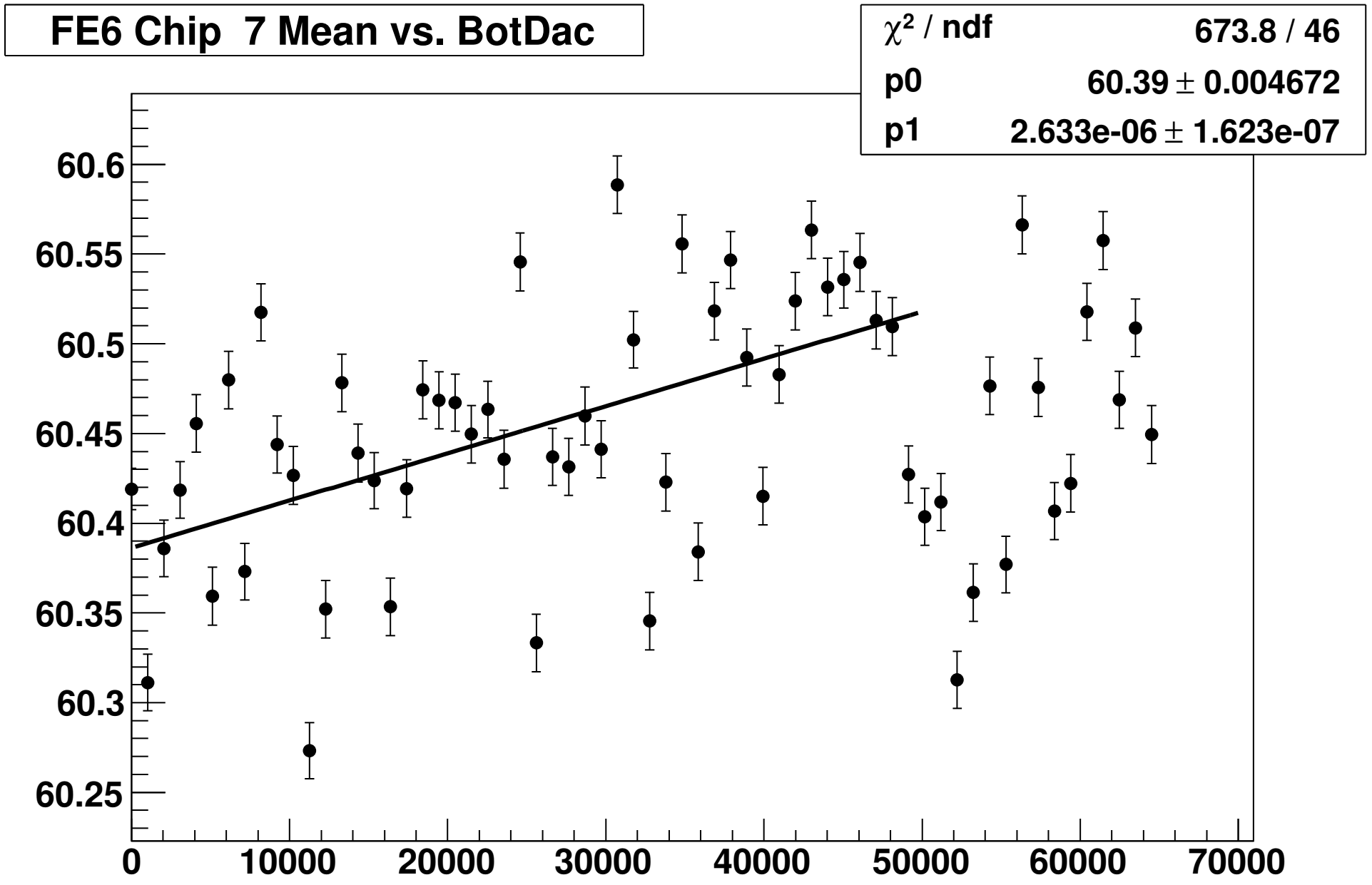
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 673.8 / 46
p0 60.39 ± 0.004672
p1 2.633e-06 ± 1.623e-07
60.6
60.55
60.5
60.45
60.4
60.35
60.3
60.25
0
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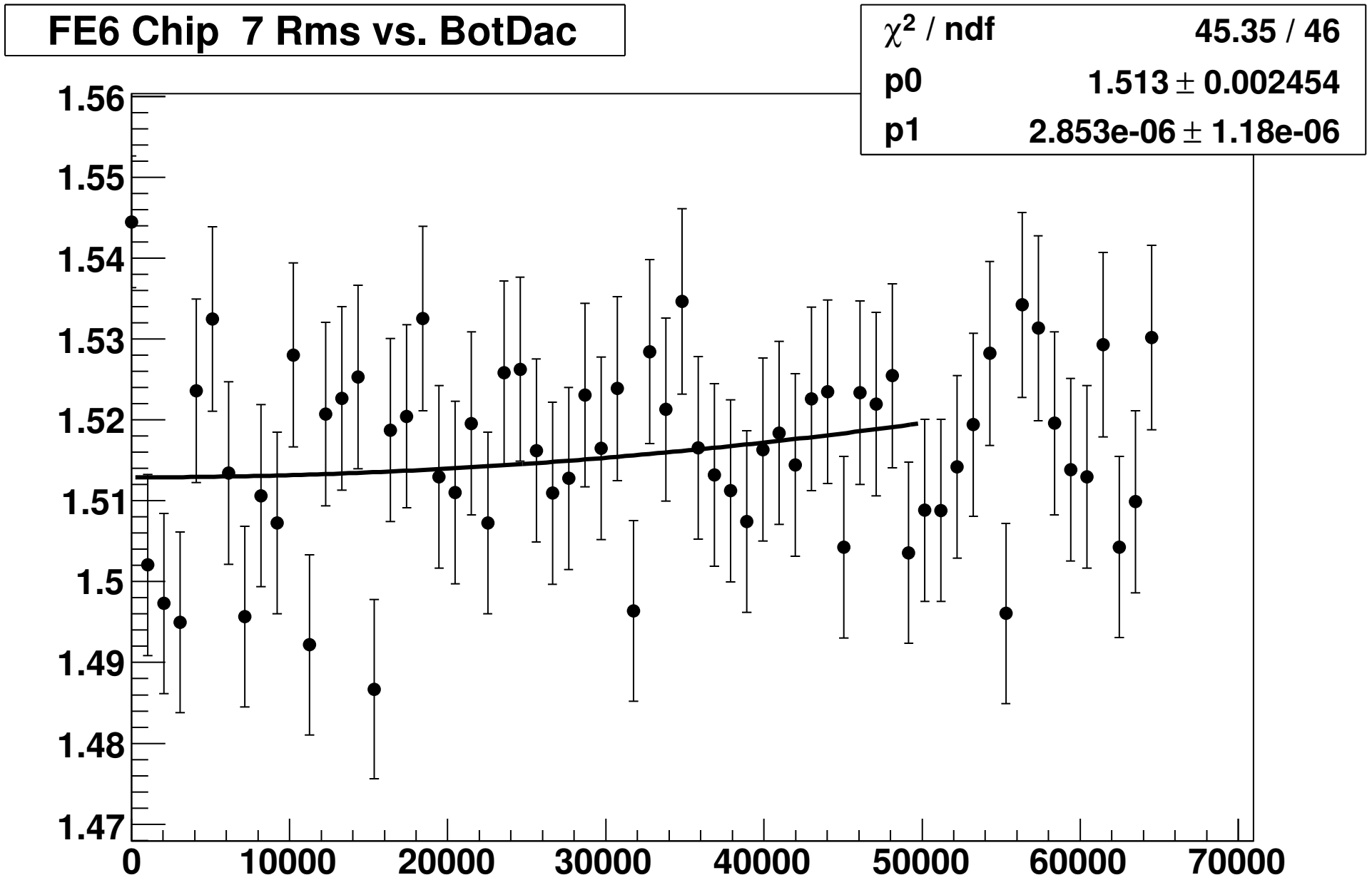
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 45.35 / 46
p0 1.513 ± 0.002454
p1 2.853e-06 ± 1.18e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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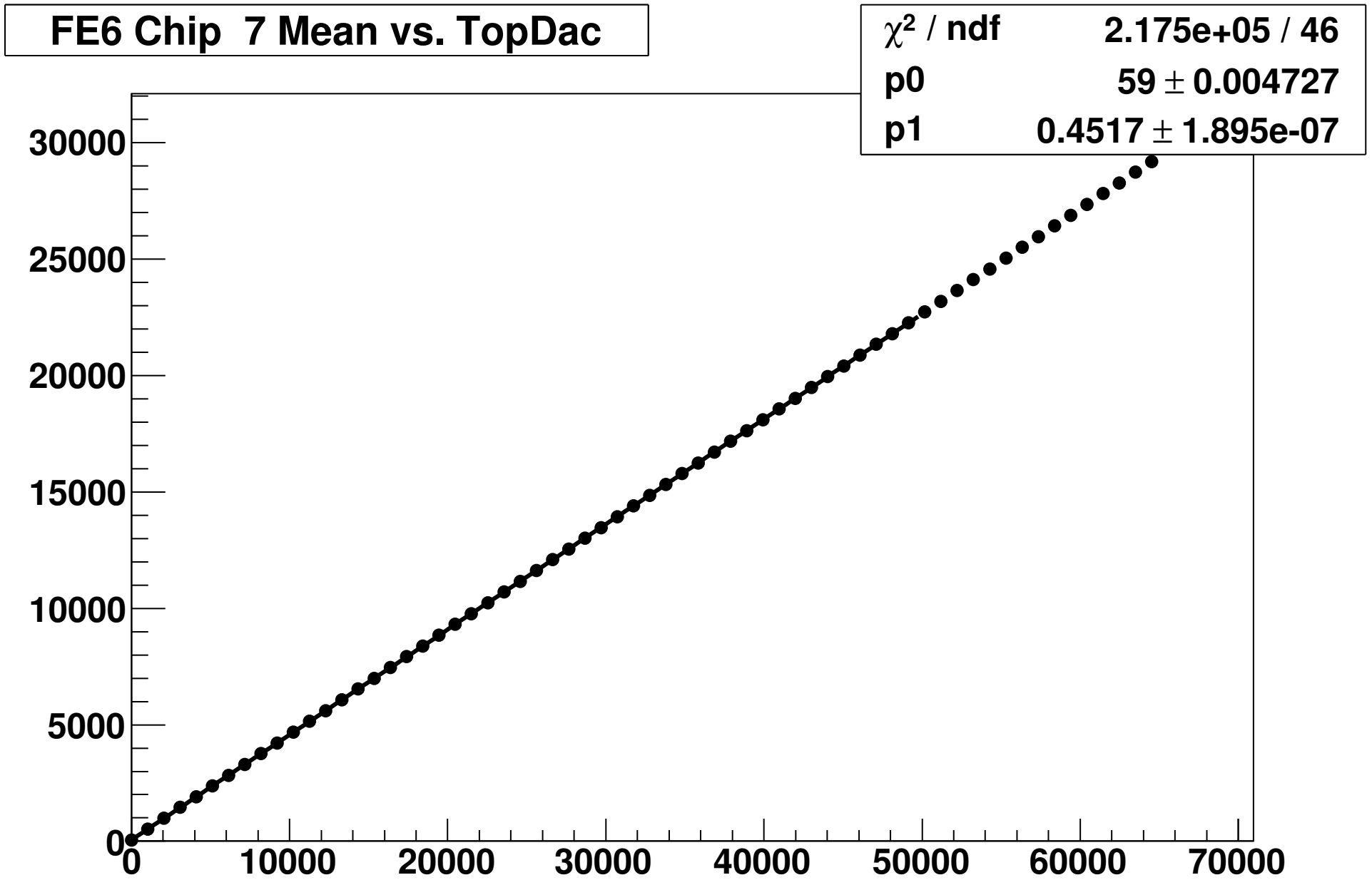
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 2.175e+05 / 46
p0 59 ± 0.004727
p1 0.4517 ± 1.895e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
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60000
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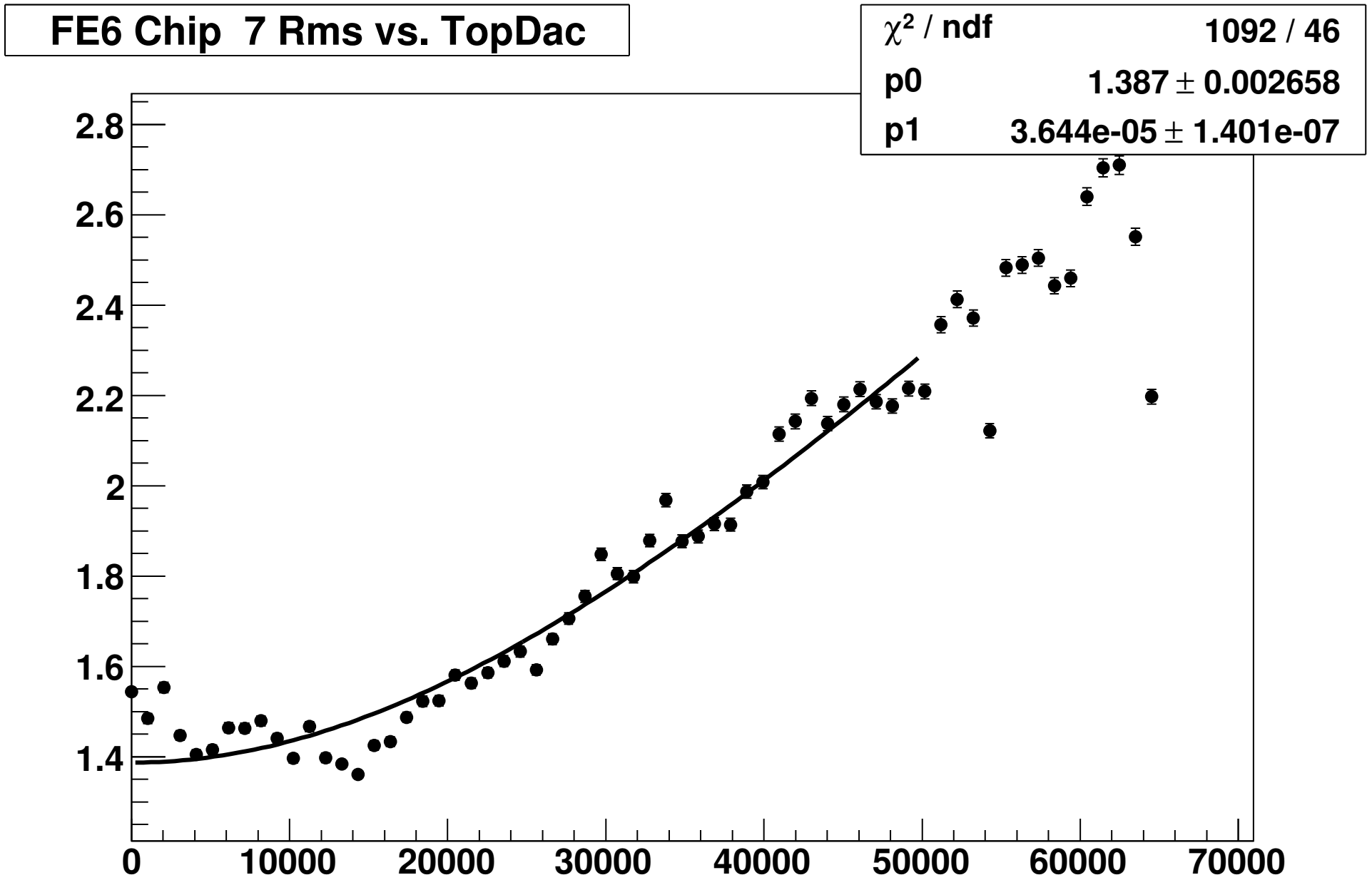
FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1092 / 46
p0 1.387 ± 0.002658
p1 3.644e-05 ± 1.401e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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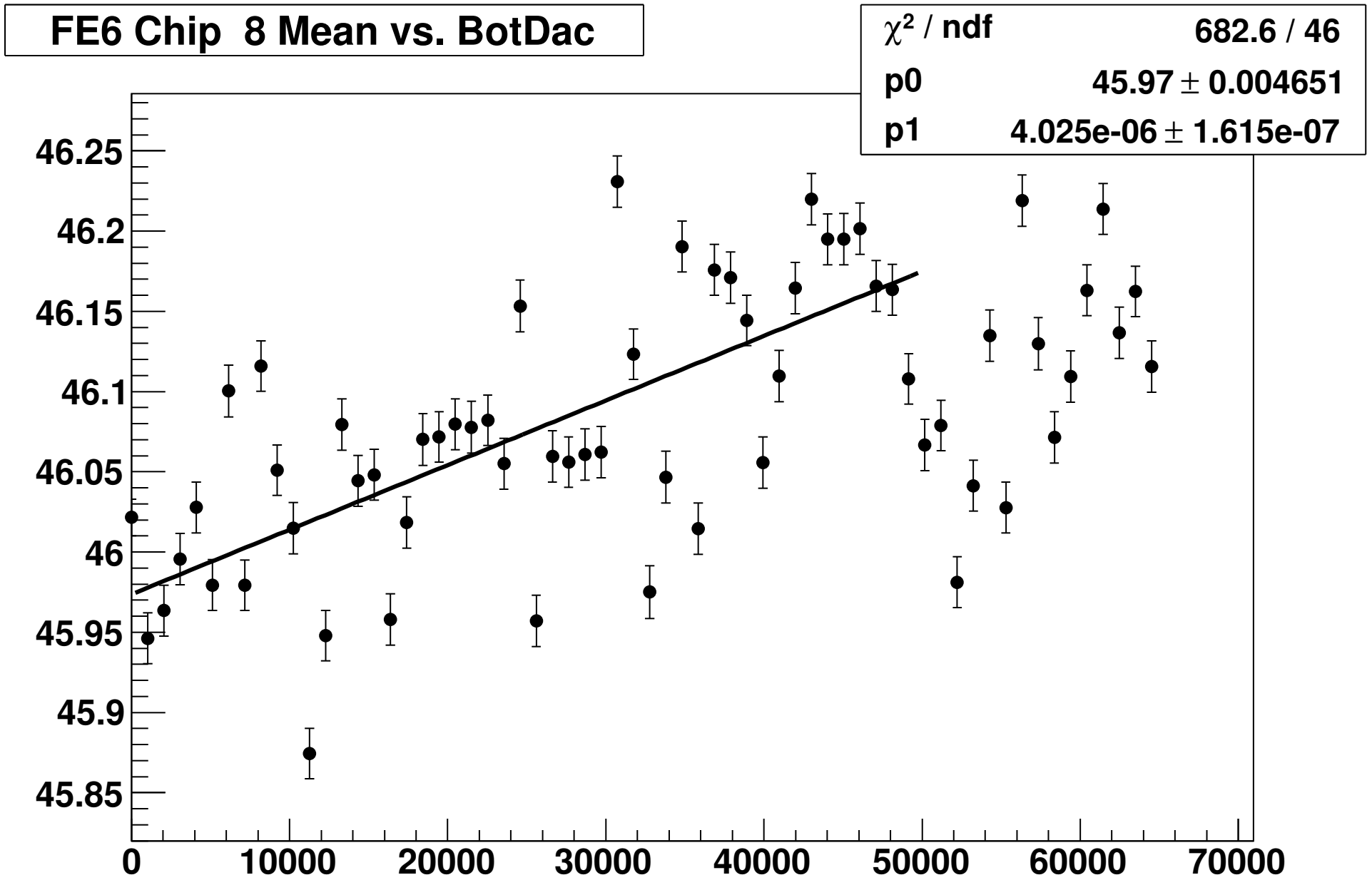
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 682.6 / 46
p0 45.97 ± 0.004651
p1 4.025e-06 ± 1.615e-07
46.25
46.2
46.15
46.1
46.05
46
45.95
45.9
45.85
0
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20000
30000
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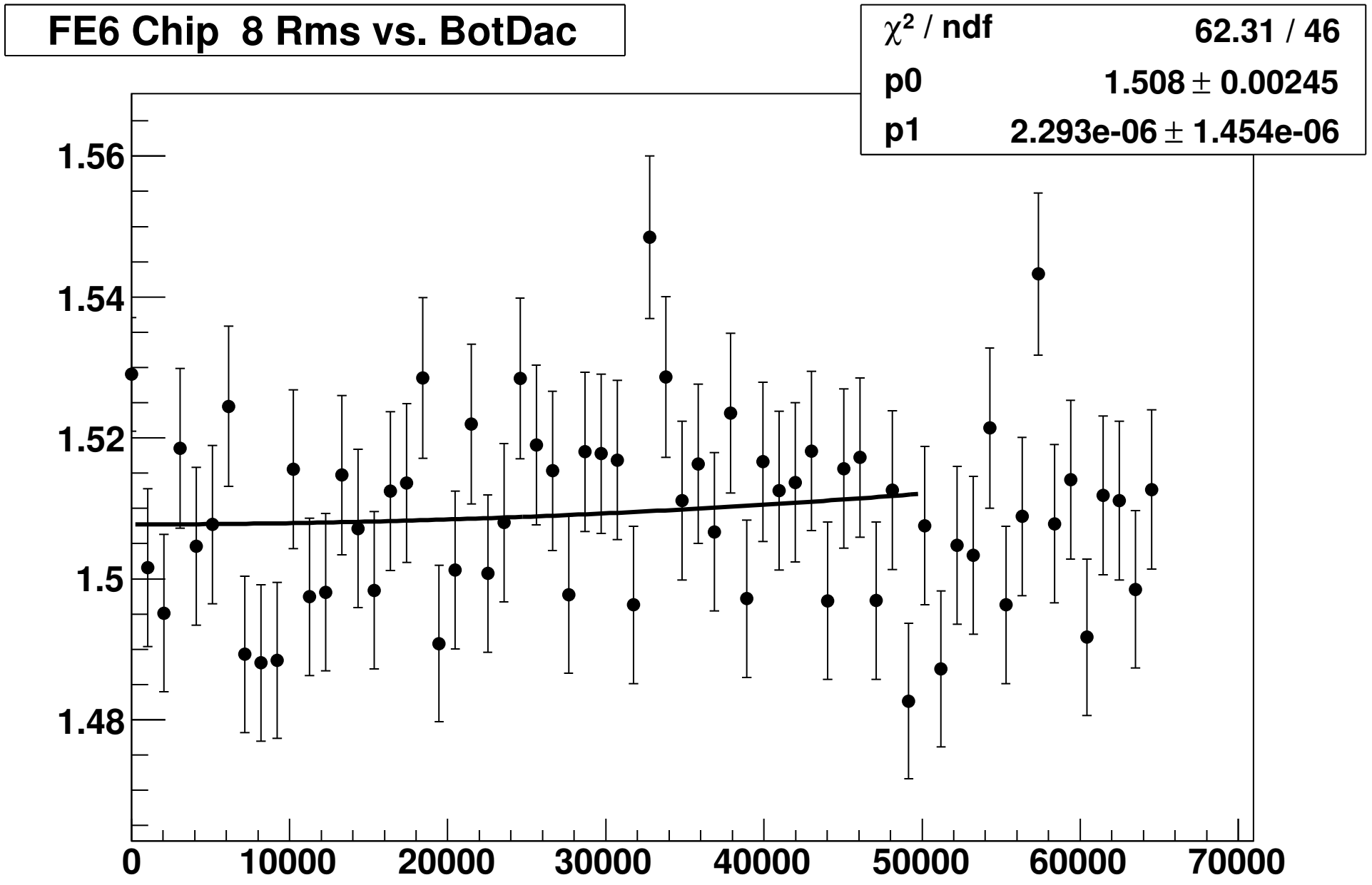
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 62.31 / 46
p0 1.508 ± 0.00245
p1 2.293e-06 ± 1.454e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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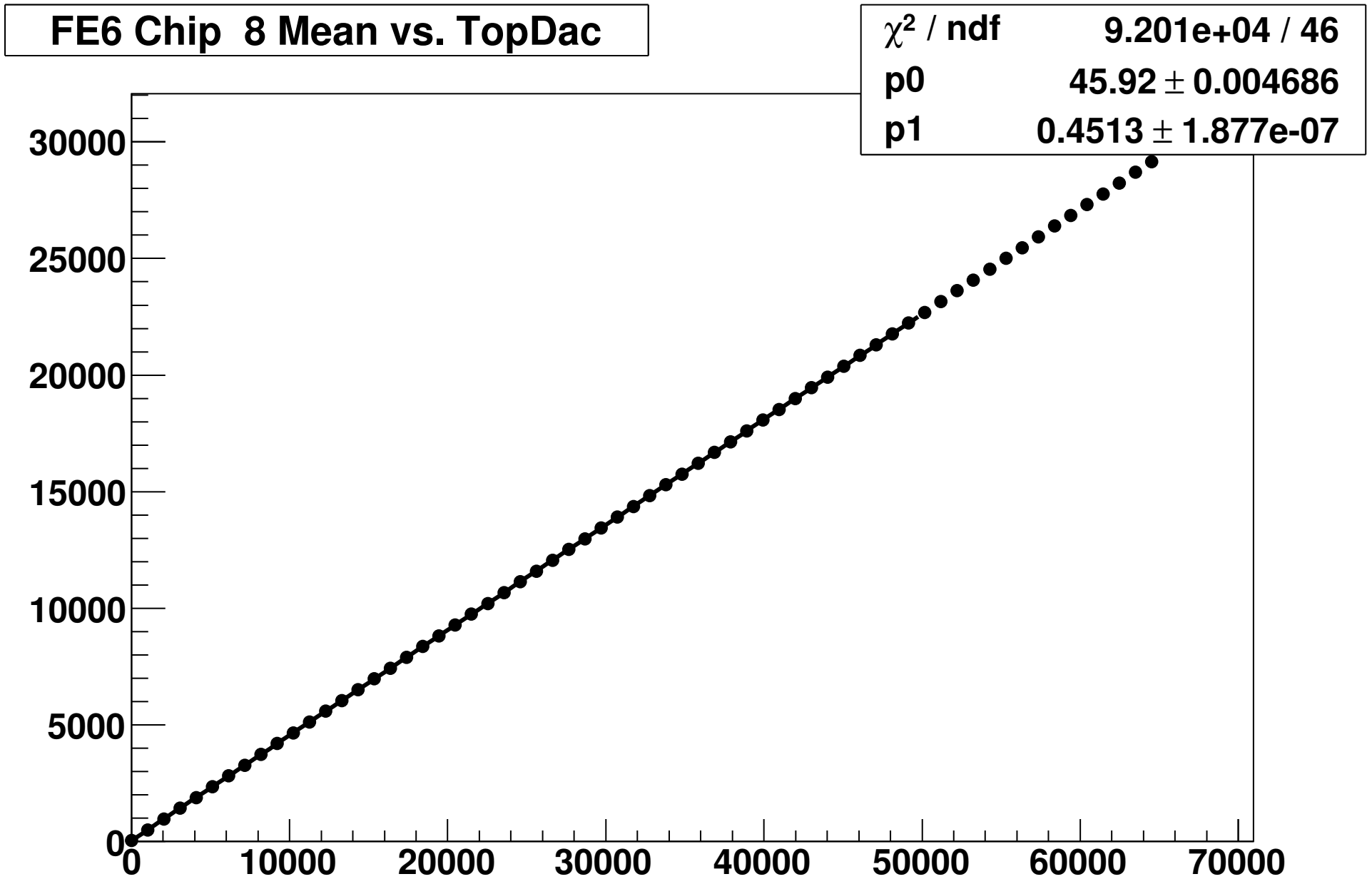
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 9.201e+04 / 46
p0 45.92 ± 0.004686
p1 0.4513 ± 1.877e-07
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15000
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0
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10000
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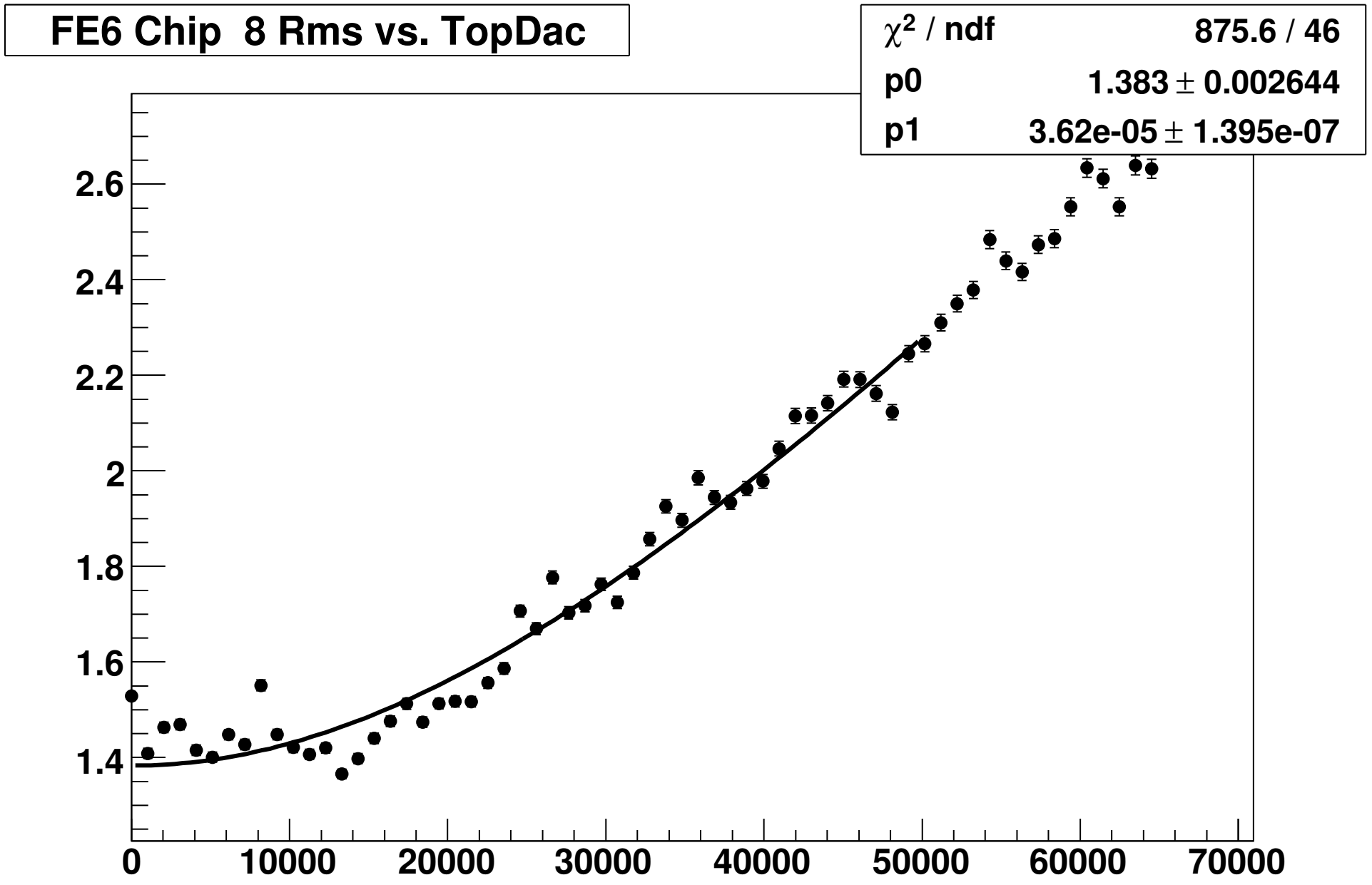
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 875.6 / 46
p0 1.383 ± 0.002644
p1 3.62e-05 ± 1.395e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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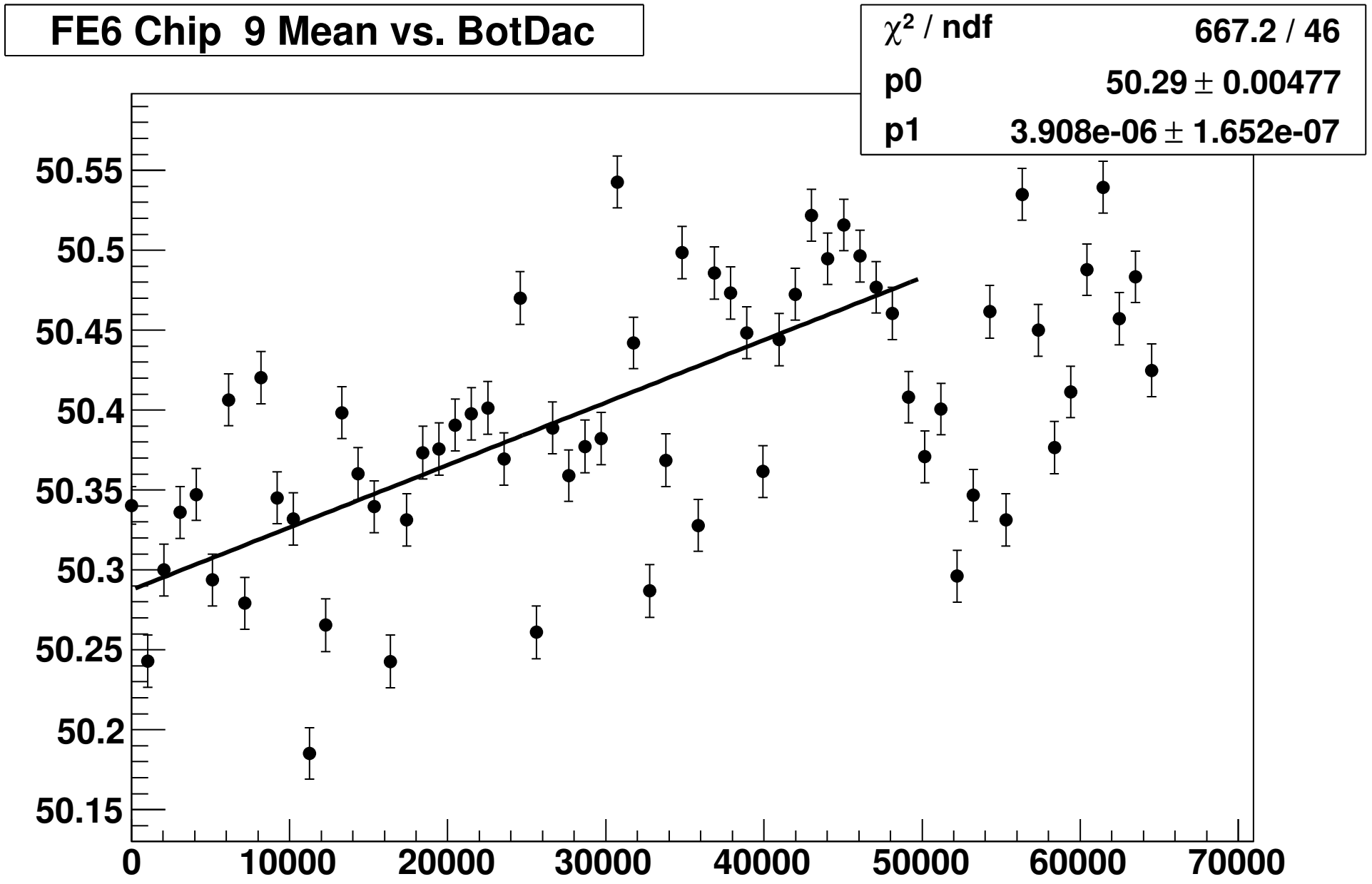
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 667.2 / 46
p0 50.29 ± 0.00477
p1 3.908e-06 ± 1.652e-07
50.55
50.5
50.45
50.4
50.35
50.3
50.25
50.2
50.15
0
10000
20000
30000
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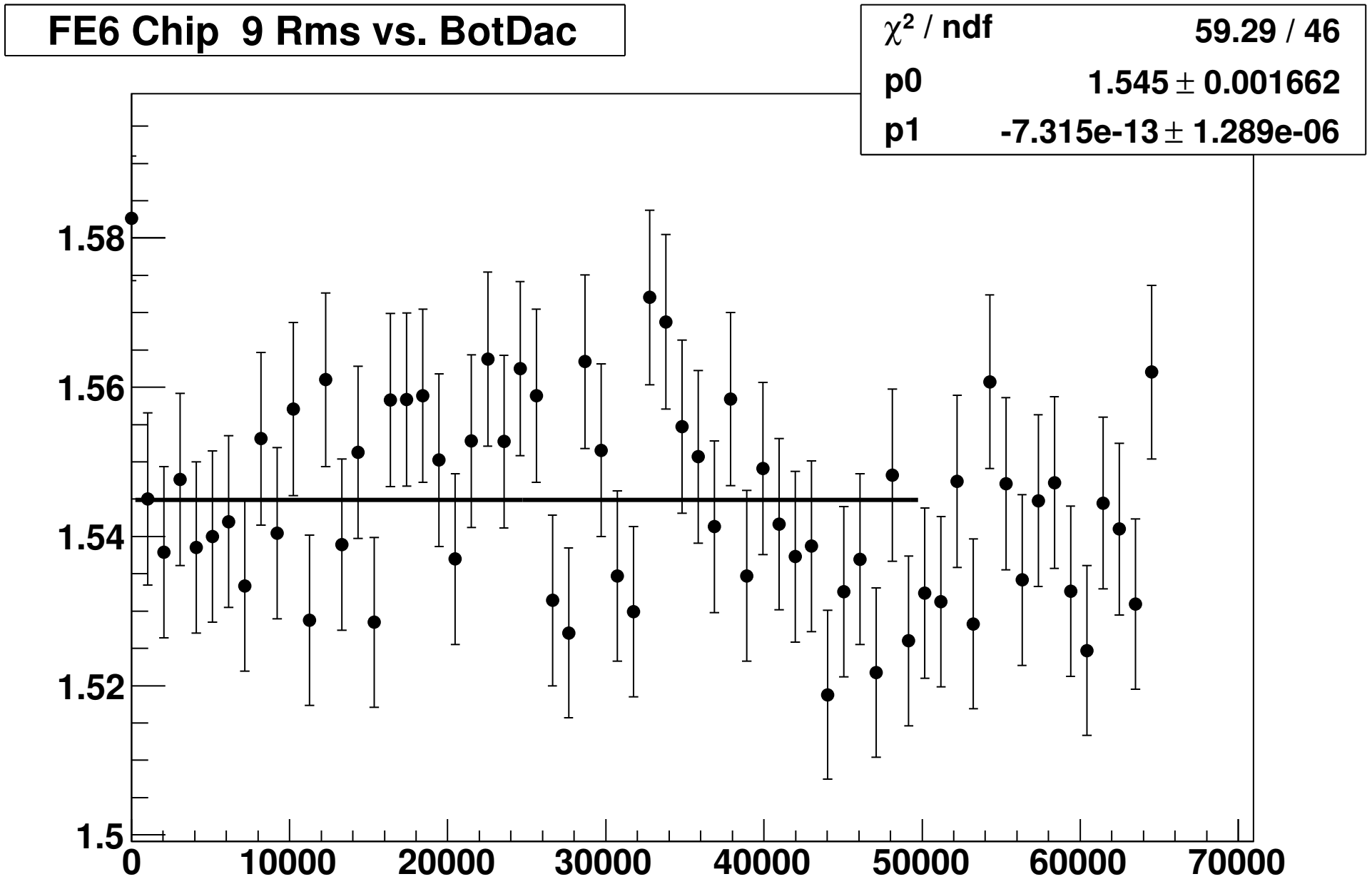
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 59.29 / 46
p0 1.545 ± 0.001662
p1 -7.315e-13 ± 1.289e-06
1.58
1.56
1.54
1.52
1.5
0
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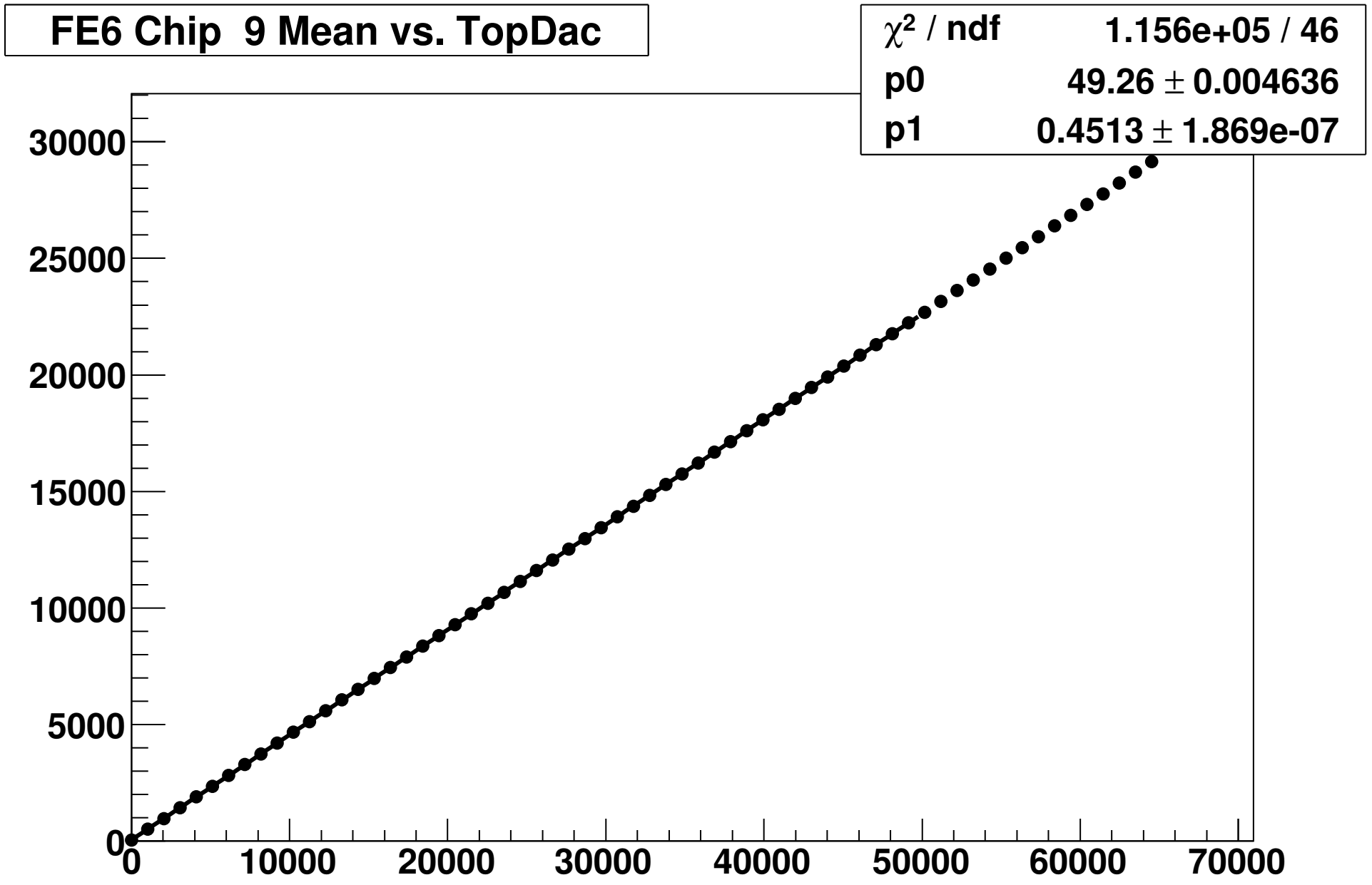
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.156e+05 / 46
p0 49.26 ± 0.004636
p1 0.4513 ± 1.869e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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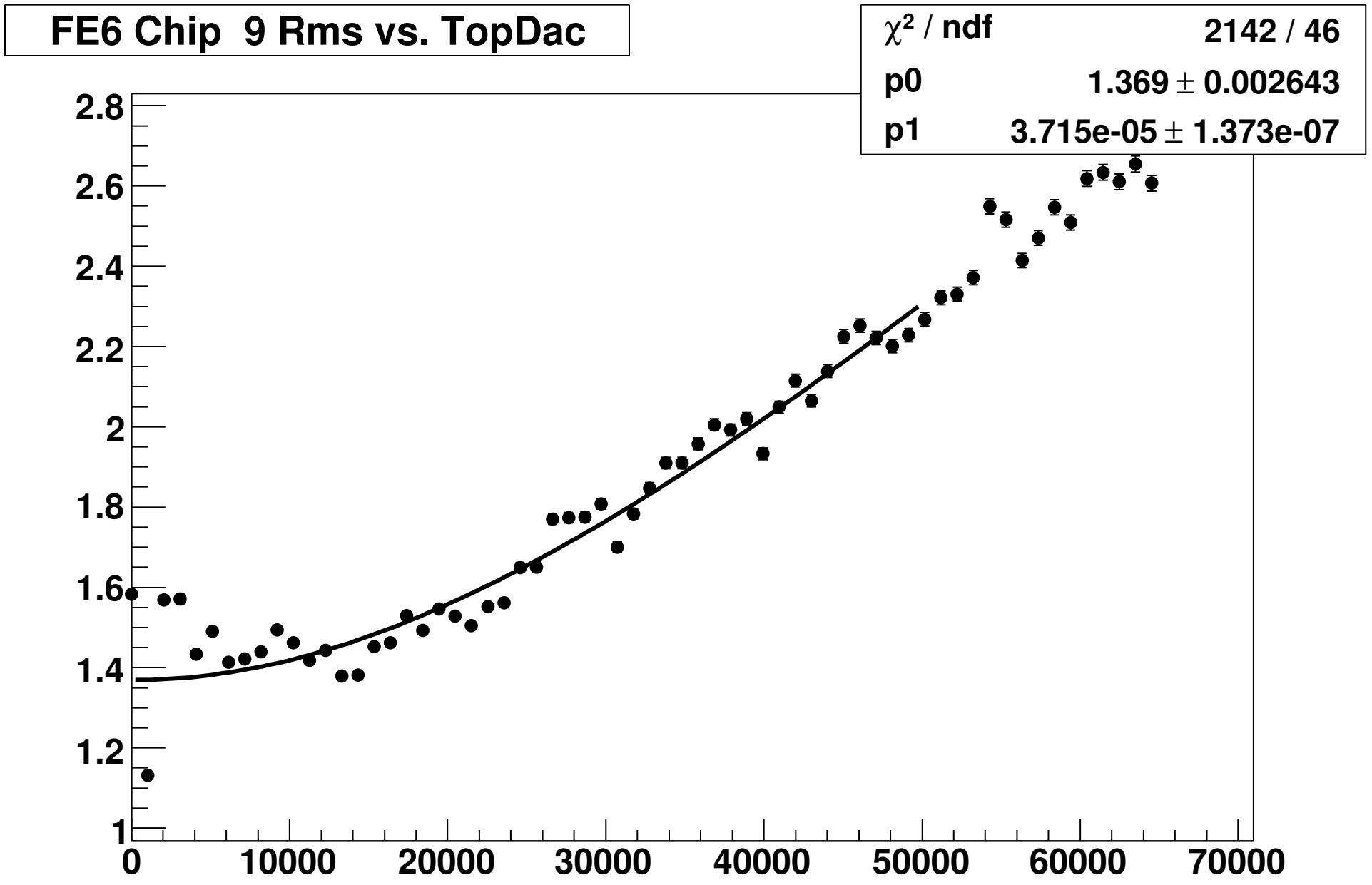
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 2142 / 46
p0 1.369 ± 0.002643
p1 3.715e-05 ± 1.373e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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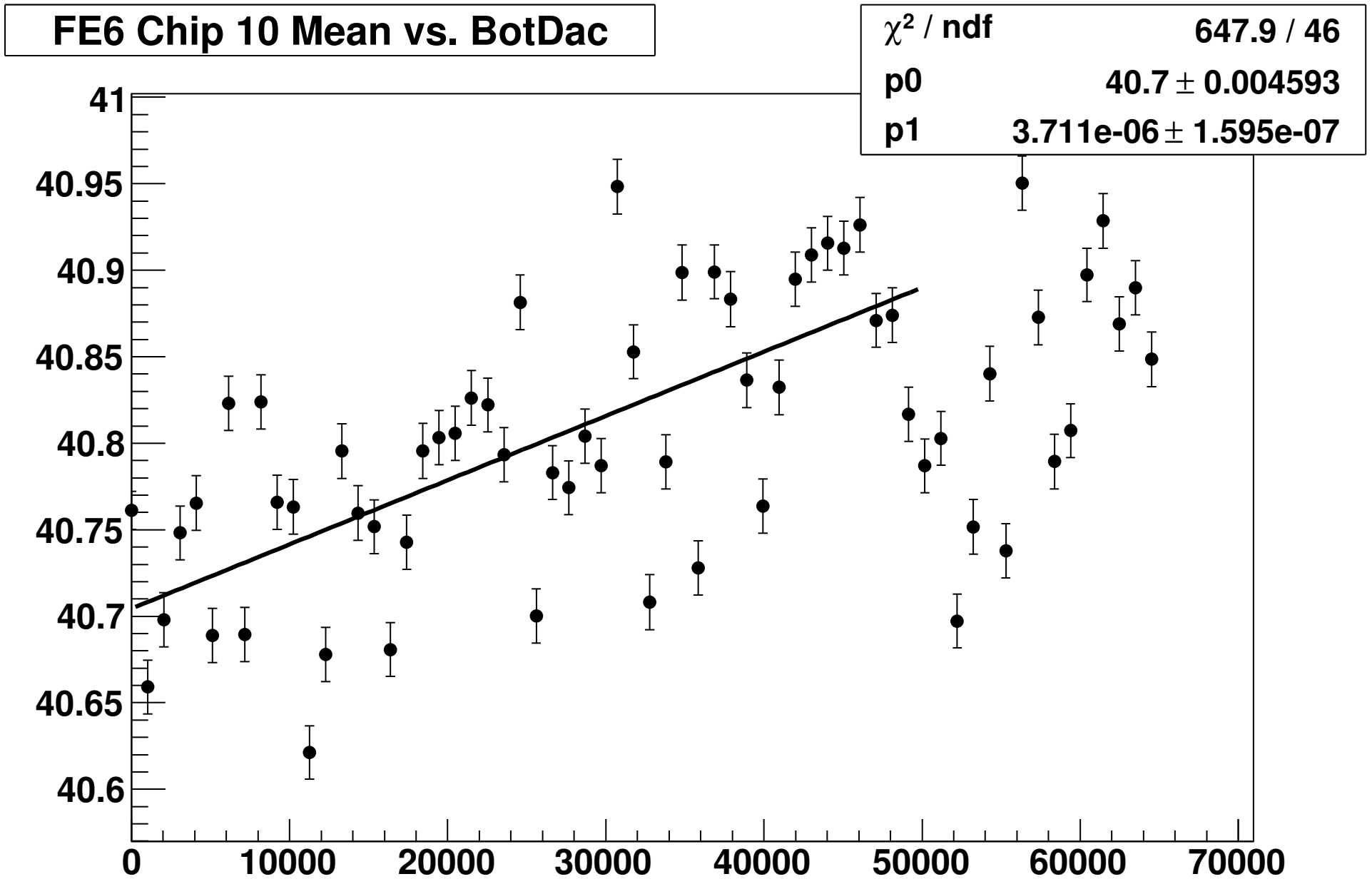
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 647.9 / 46
p0 40.7 ± 0.004593
p1 3.711e-06 ± 1.595e-07
41
40.95
40.9
40.85
40.8
40.75
40.7
40.65
40.6
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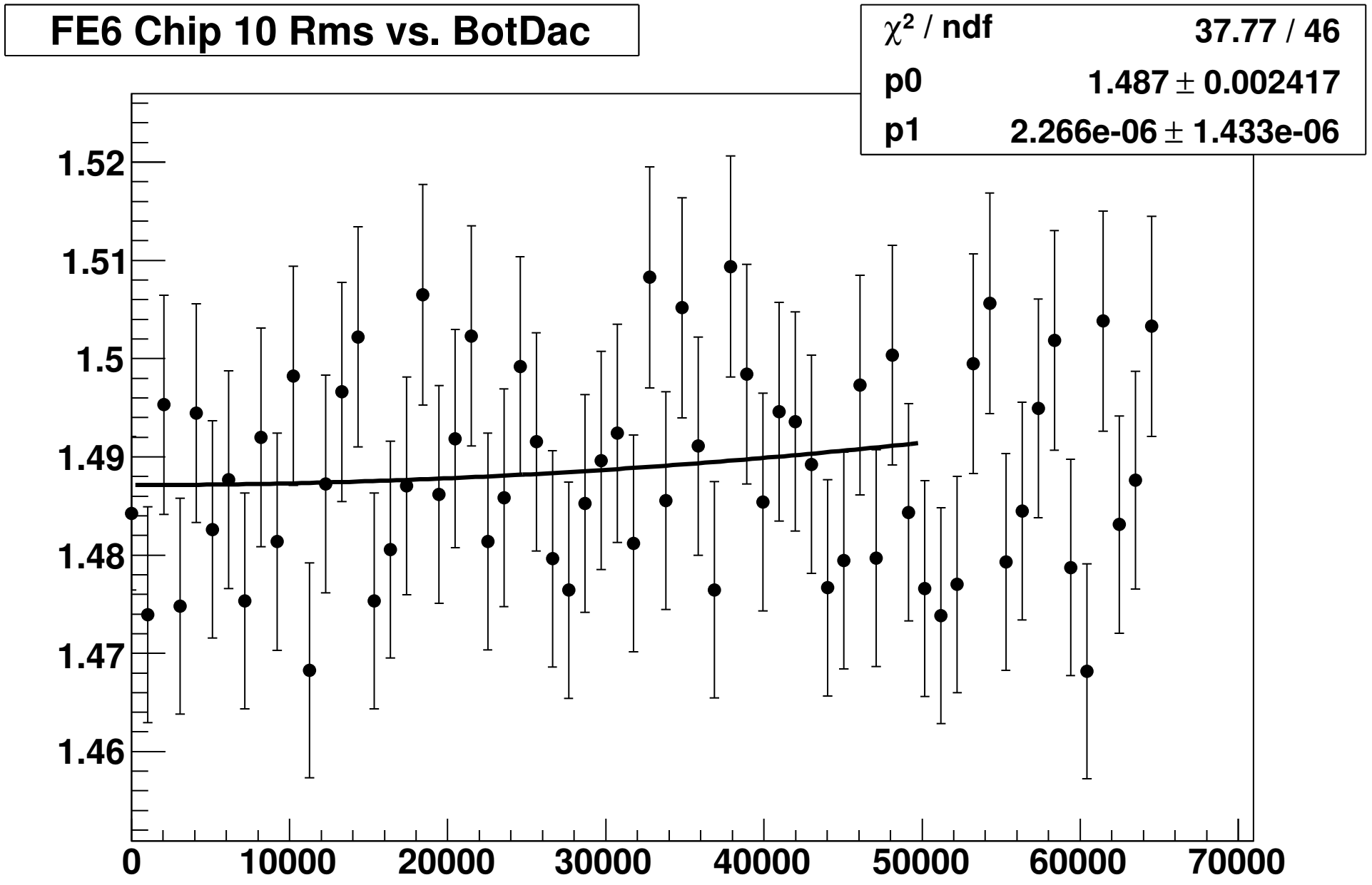
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 37.77 / 46
p0 1.487 ± 0.002417
p1 2.266e-06 ± 1.433e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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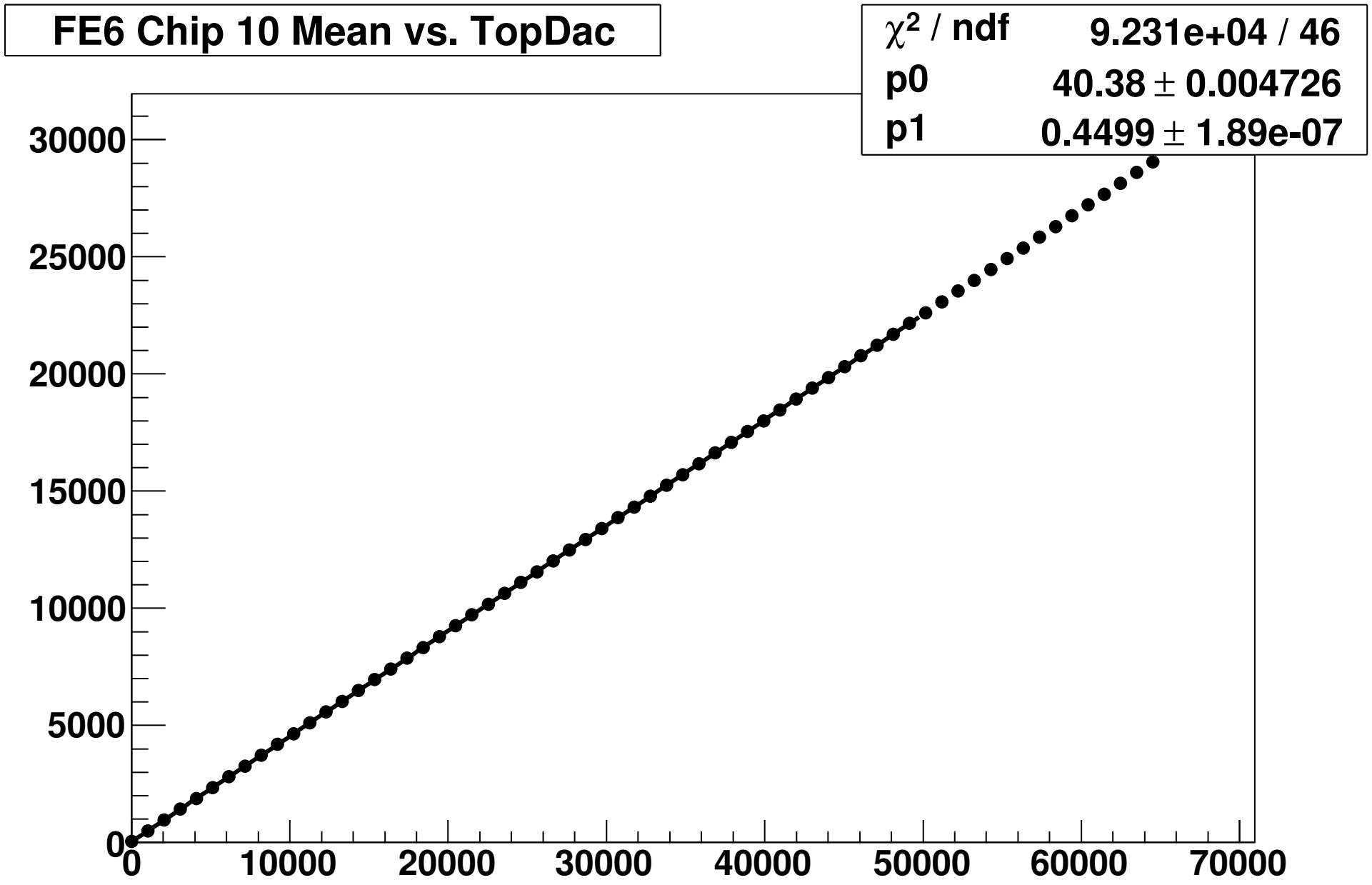
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 9.231e+04 / 46
p0 40.38 ± 0.004726
p1 0.4499 ± 1.89e-07
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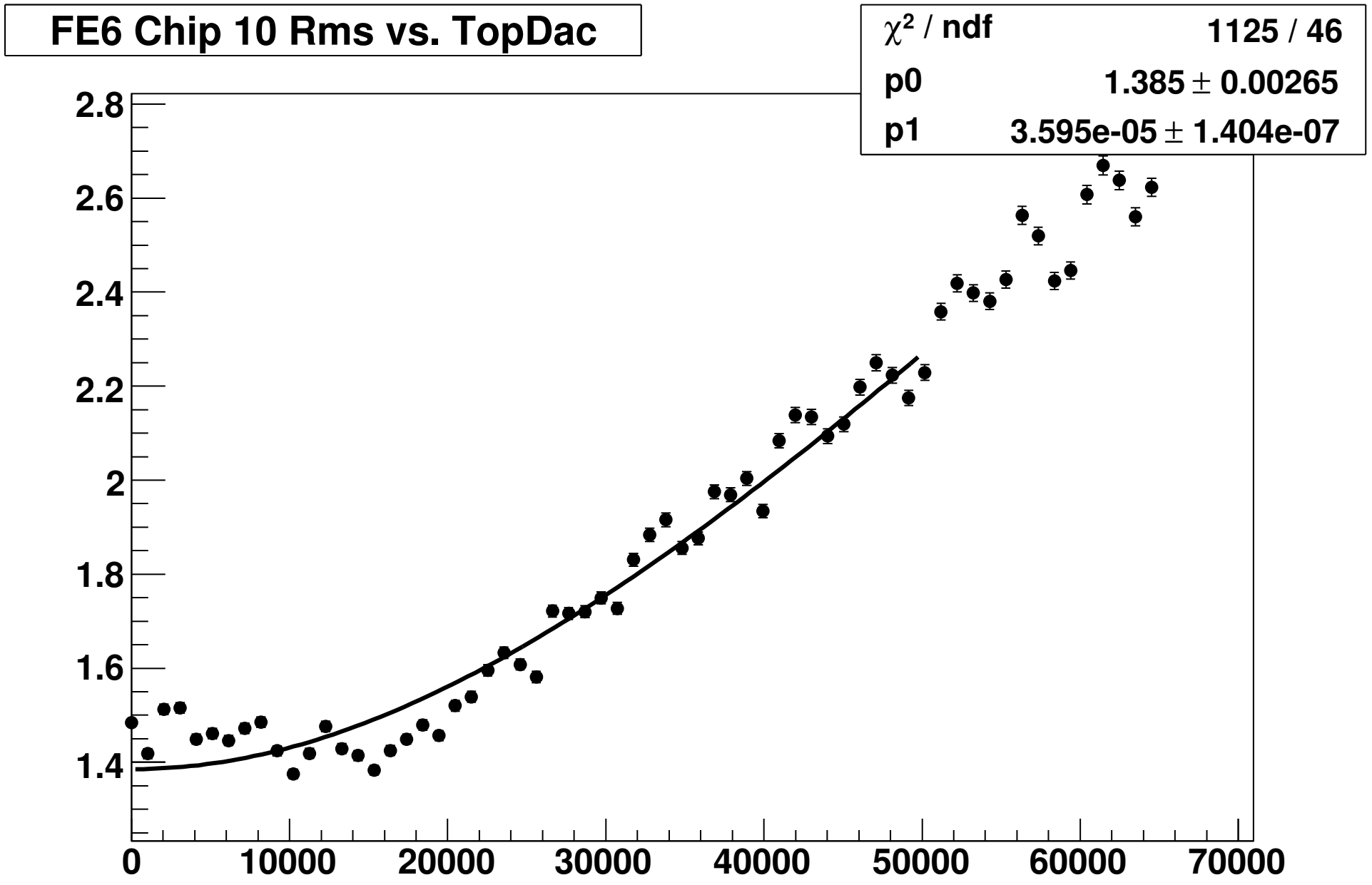
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1125 / 46
p0 1.385 ± 0.00265
p1 3.595e-05 ± 1.404e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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20000
30000
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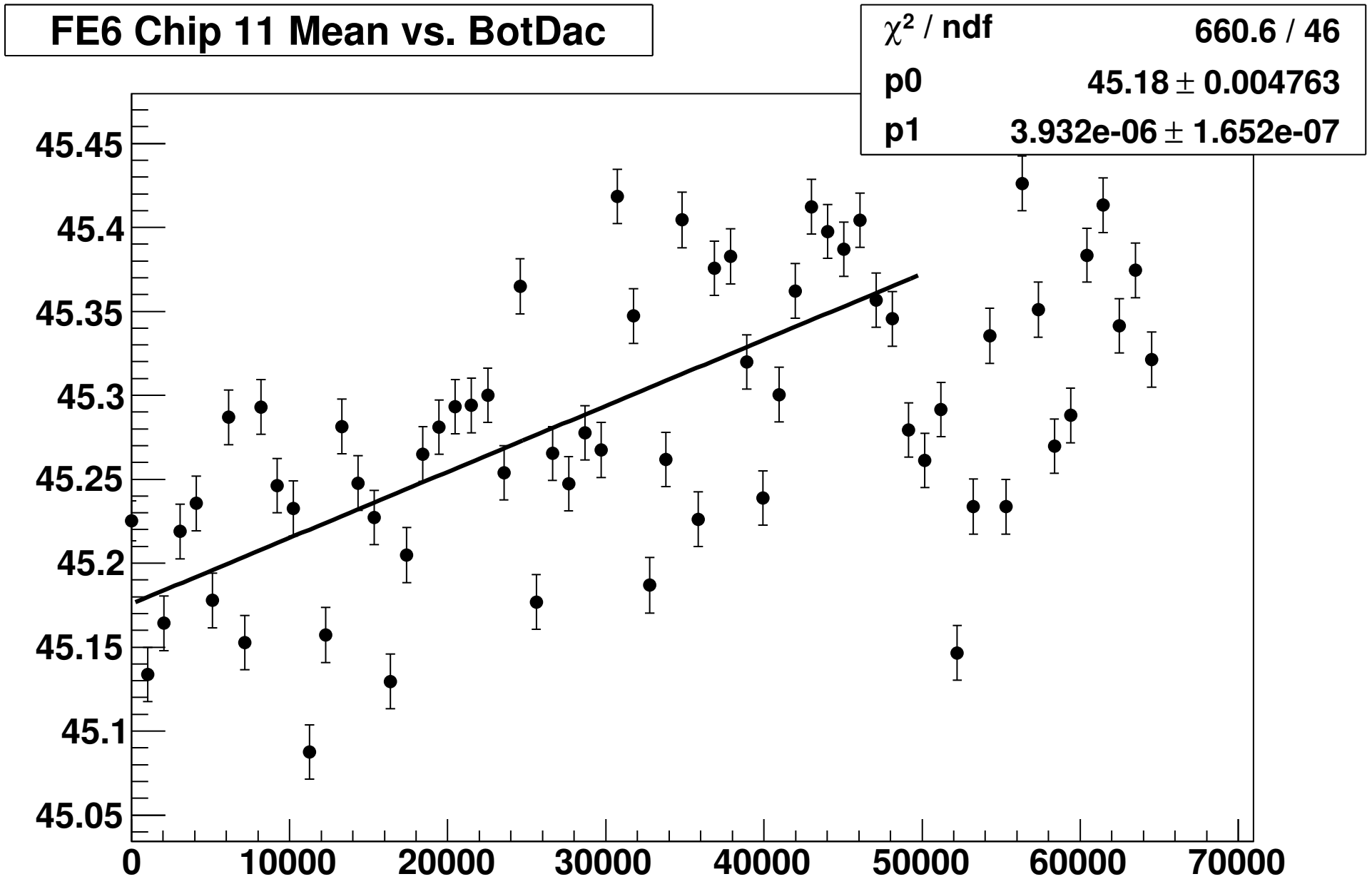
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 660.6 / 46
p0 45.18 ± 0.004763
p1 3.932e-06 ± 1.652e-07
45.45
45.4
45.35
45.3
45.25
45.2
45.15
45.1
45.05
0
10000
20000
30000
40000
50000
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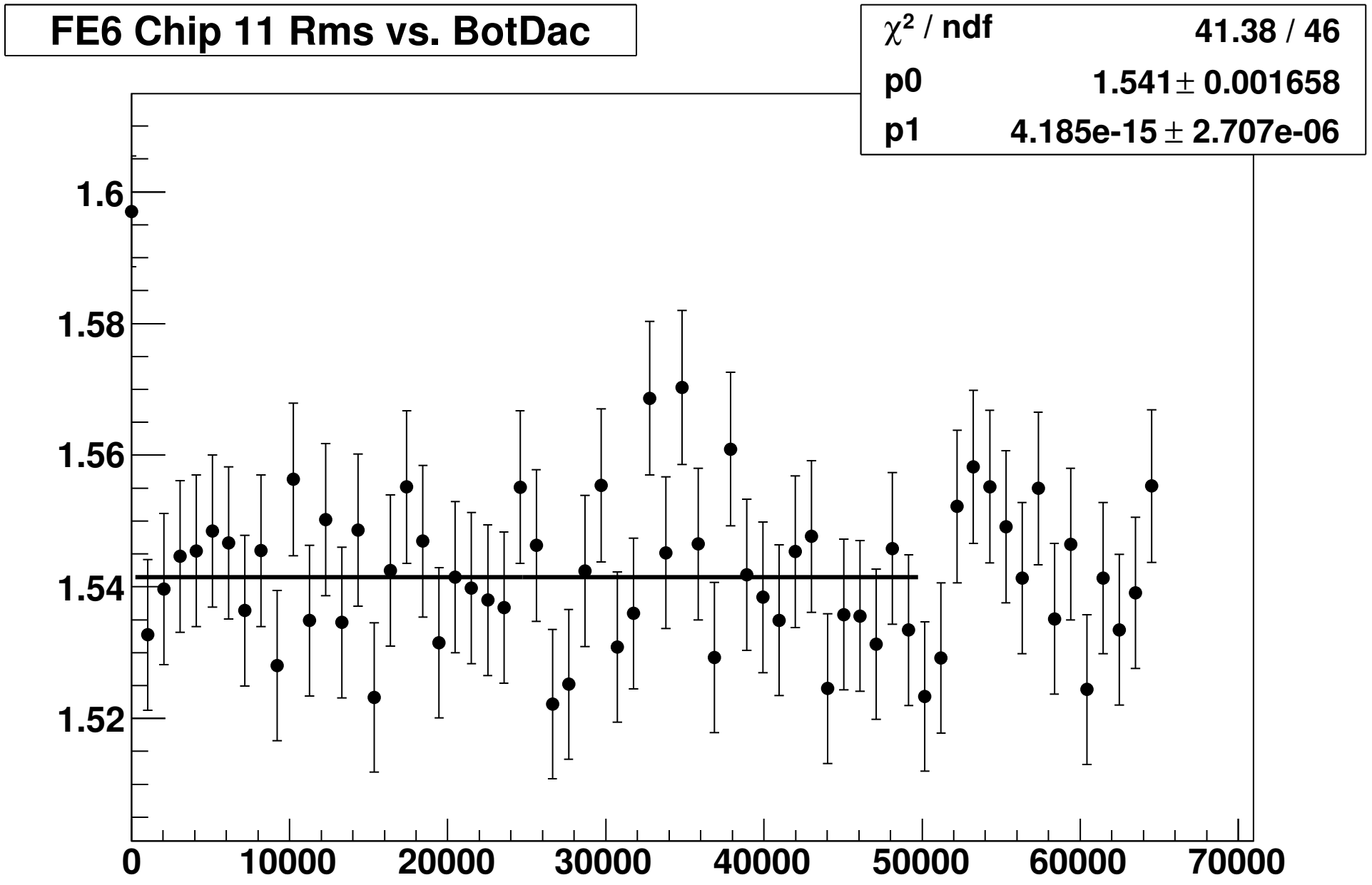
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 41.38 / 46
p0 1.541 ± 0.001658
p1 4.185e-15 ± 2.707e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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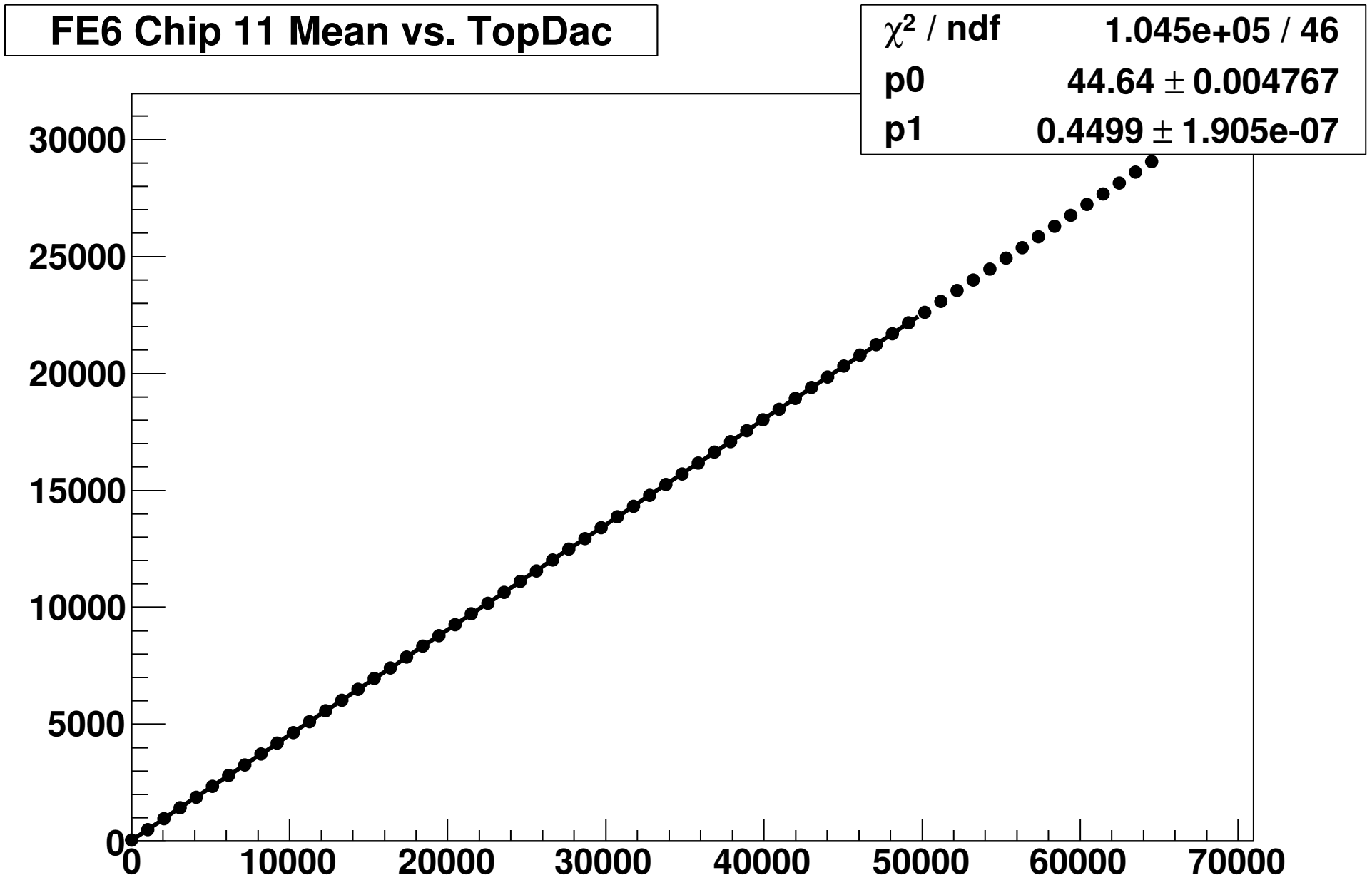
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.045e+05 / 46
p0 44.64 ± 0.004767
p1 0.4499 ± 1.905e-07
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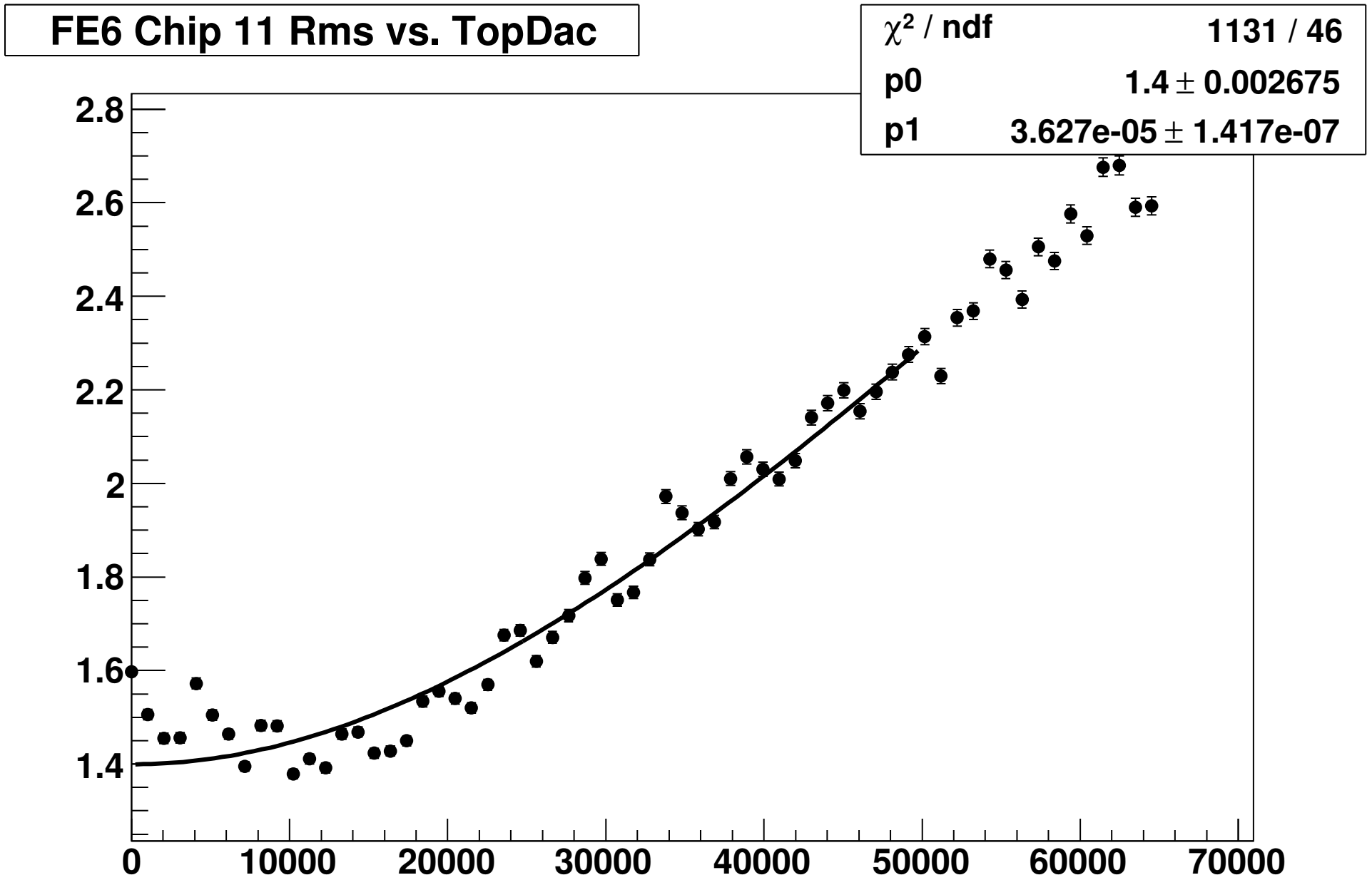
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1131 / 46
p0 1.4 ± 0.002675
p1 3.627e-05 ± 1.417e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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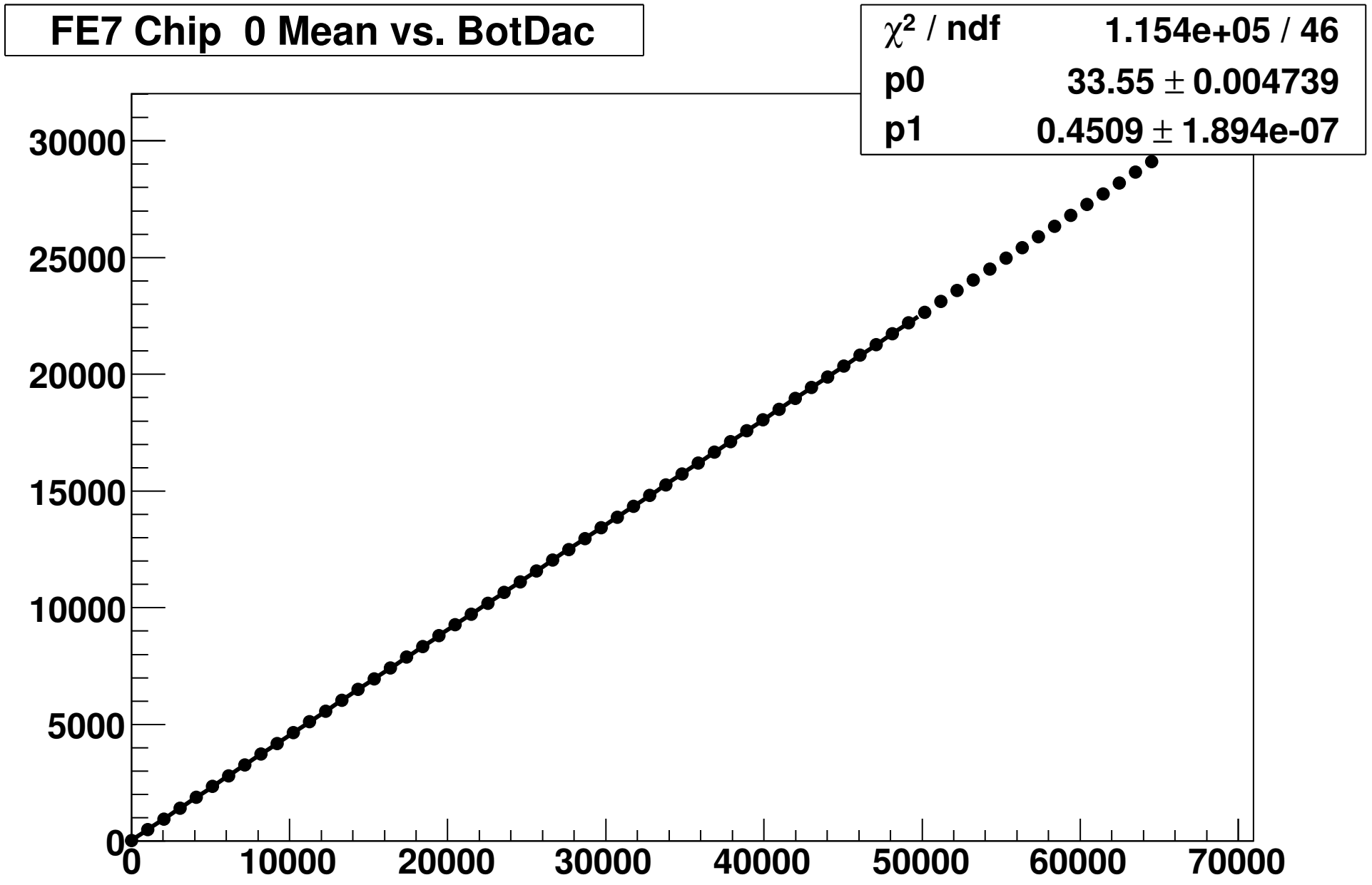
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.154e+05 / 46
p0 33.55 ± 0.004739
p1 0.4509 ± 1.894e-07
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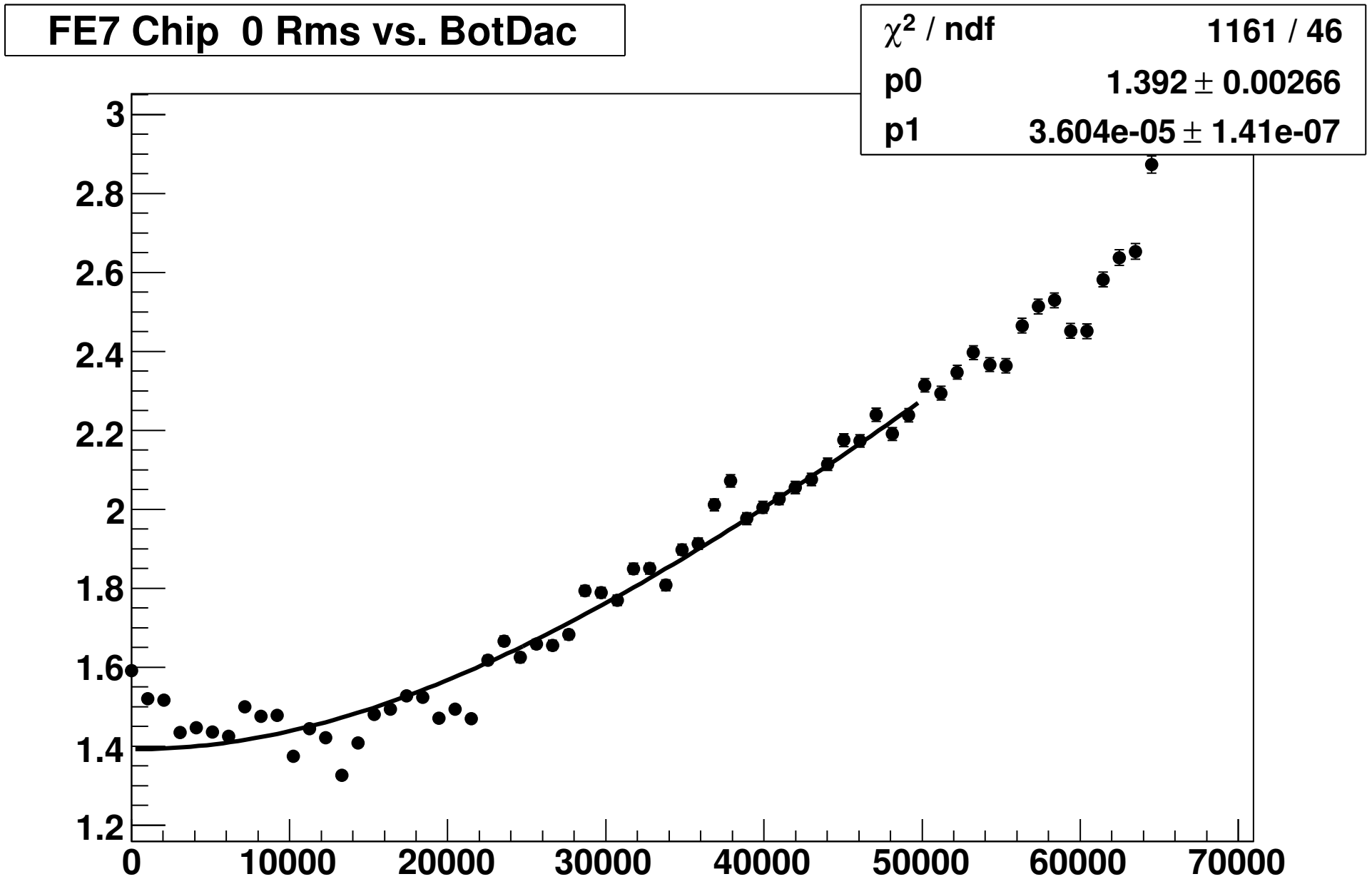
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1161 / 46
p0 1.392 ± 0.00266
p1 3.604e-05 ± 1.41e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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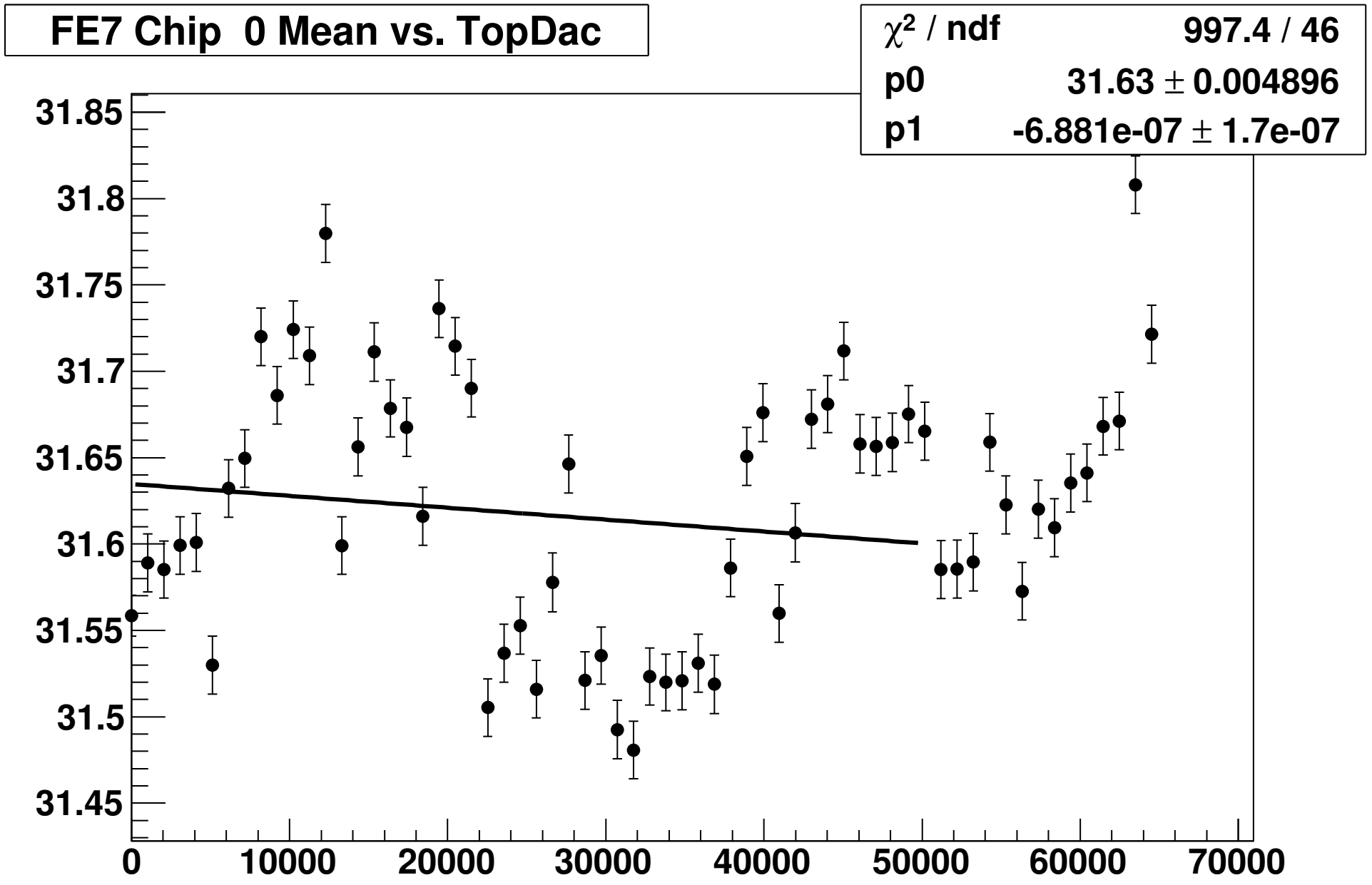
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 997.4 / 46
p0 31.63 ± 0.004896
p1 -6.881e-07 ± 1.7e-07
31.85
31.8
31.75
31.7
31.65
31.6
31.55
31.5
31.45
0
10000
20000
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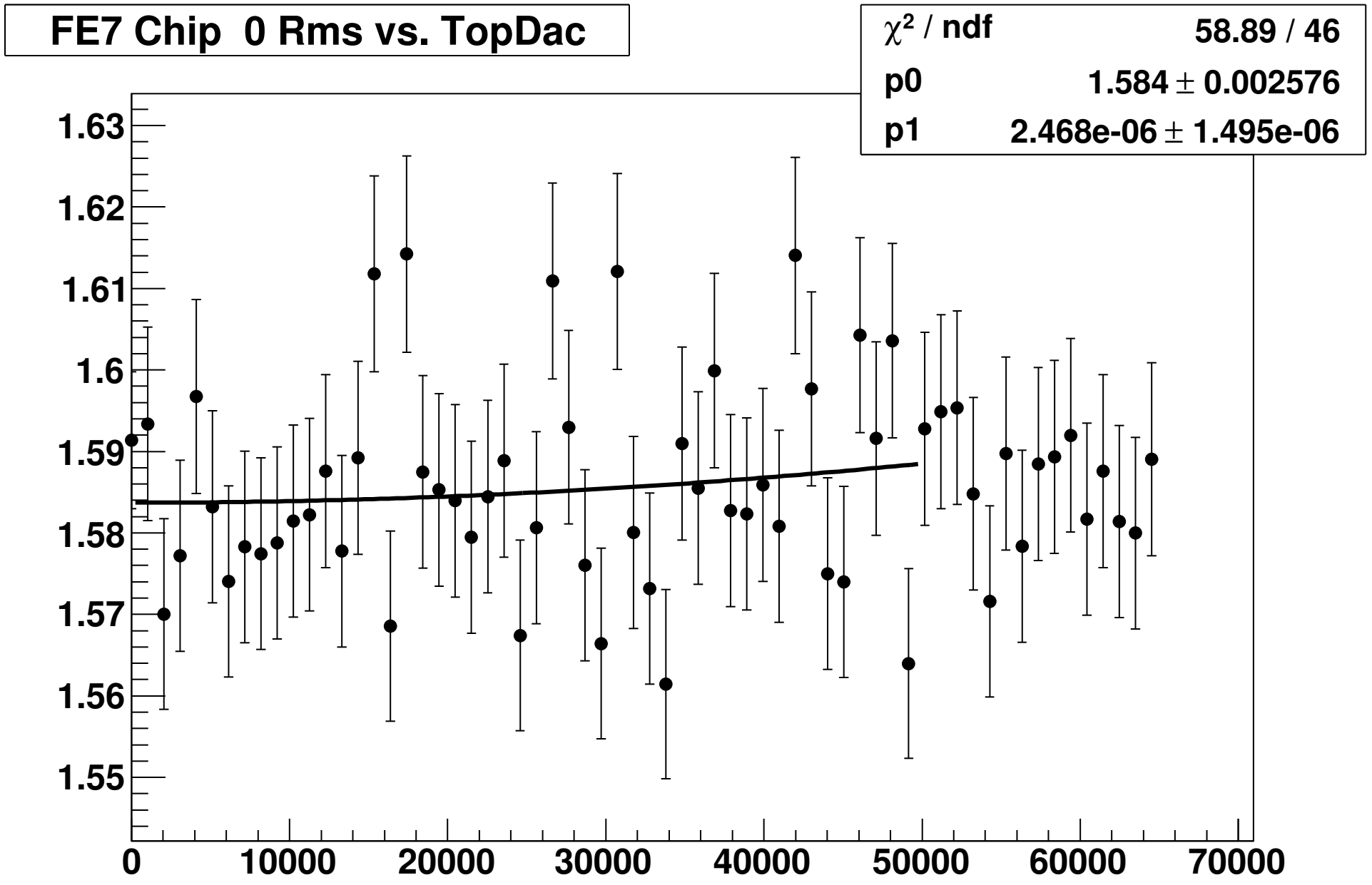
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 58.89 / 46
p0 1.584 ± 0.002576
p1 2.468e-06 ± 1.495e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
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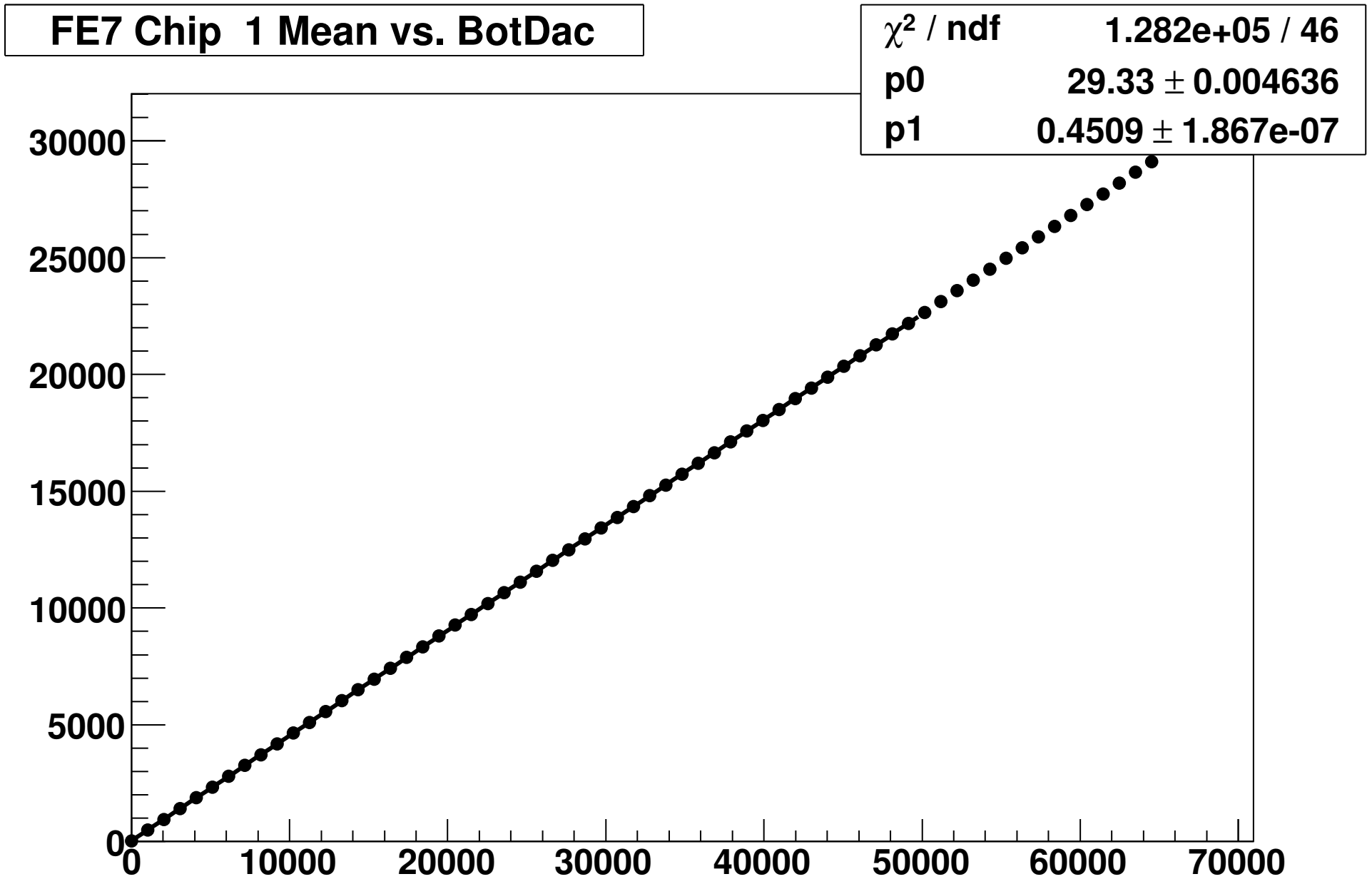
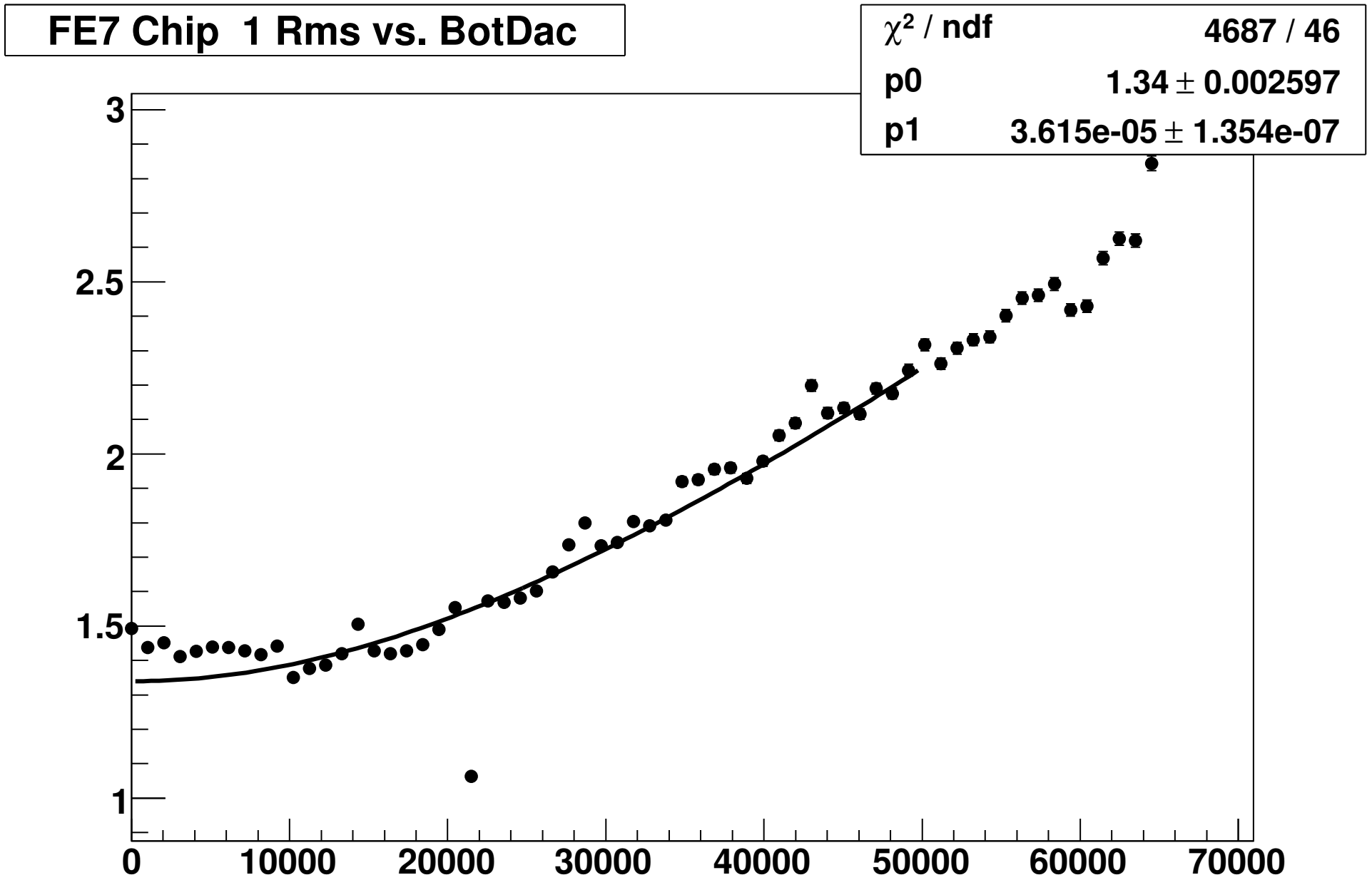
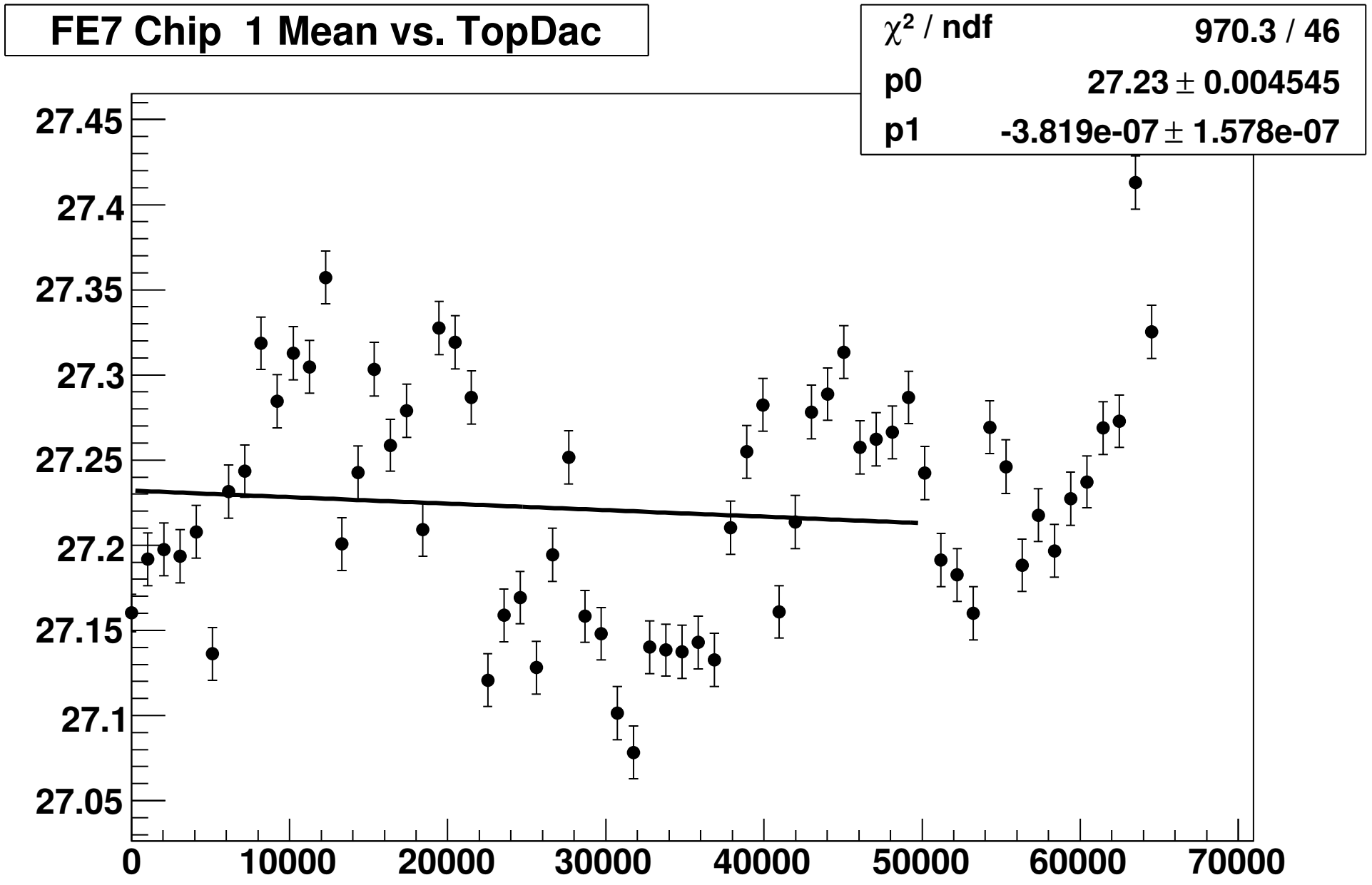
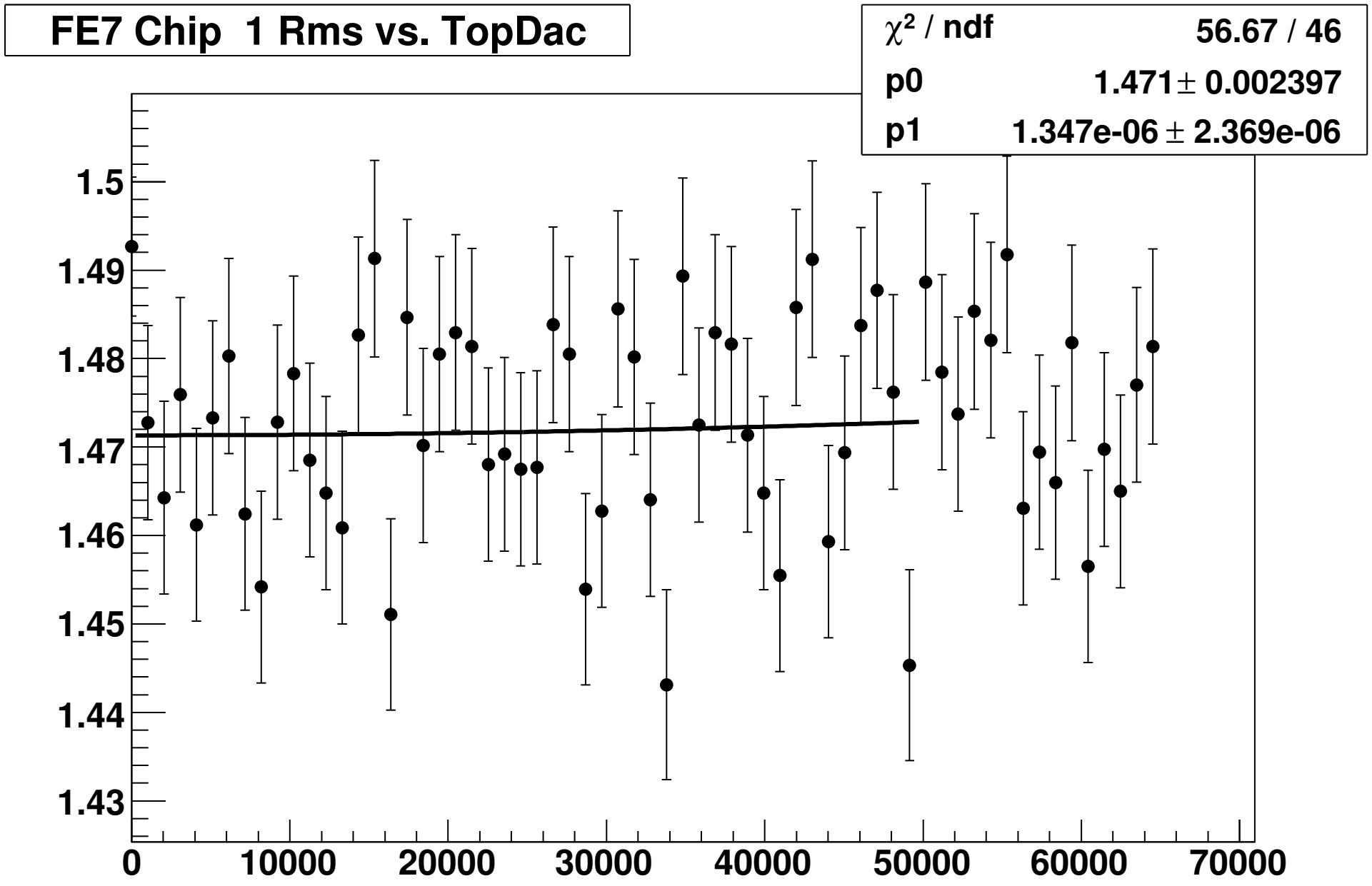

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.282e+05 / 46
p0 29.33 ± 0.004636
p1 0.4509 ± 1.867e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 4687 / 46
p0 1.34 ± 0.002597
p1 3.615e-05 ± 1.354e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 970.3 / 46
p0 27.23 ± 0.004545
p1 -3.819e-07 ± 1.578e-07
27.45
27.4
27.35
27.3
27.25
27.2
27.15
27.1
27.05
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 56.67 / 46
p0 1.471 ± 0.002397
p1 1.347e-06 ± 2.369e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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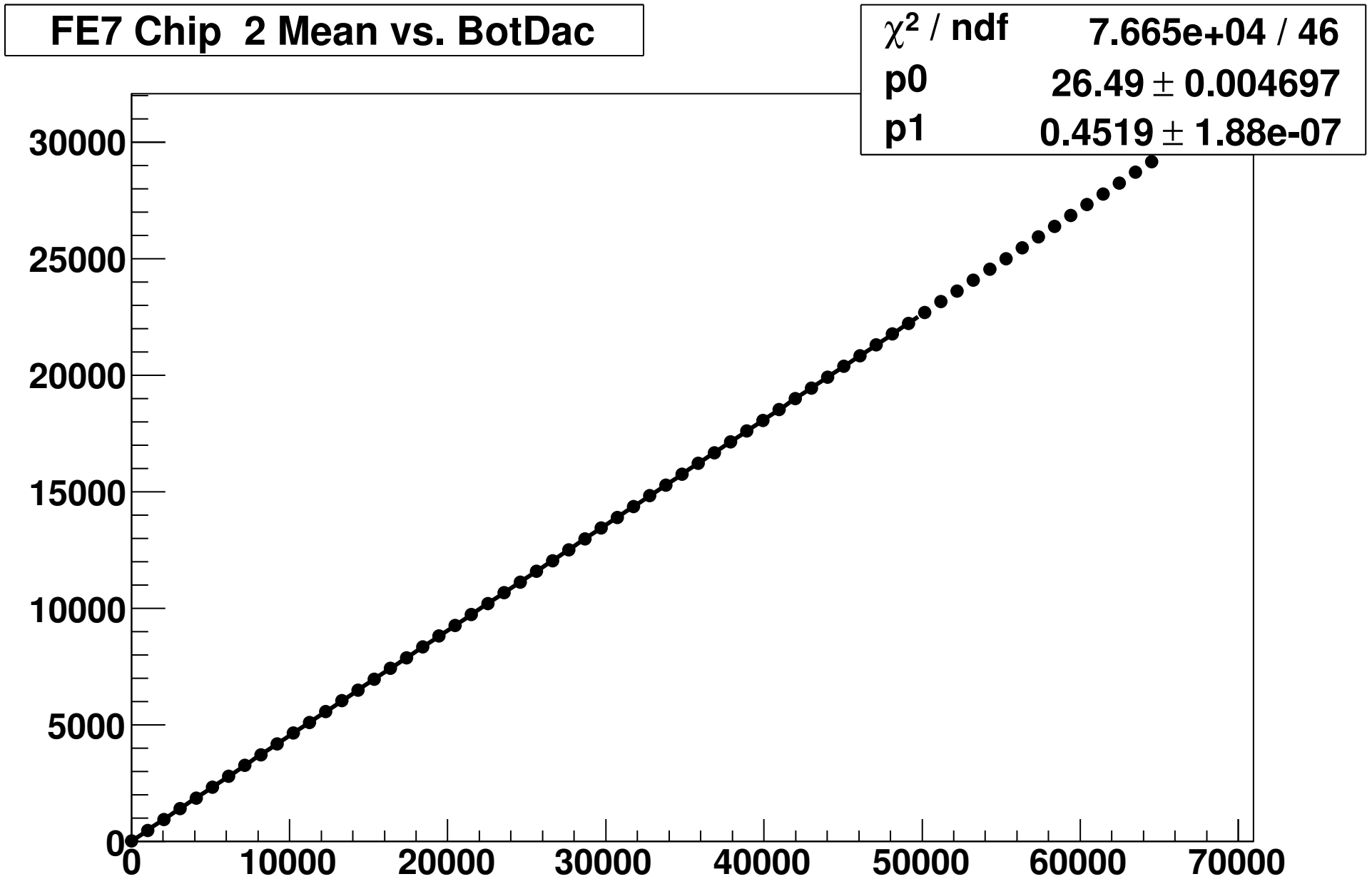
50000
60000
70000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 7.665e+04 / 46
p0 26.49 ± 0.004697
p1 0.4519 ± 1.88e-07
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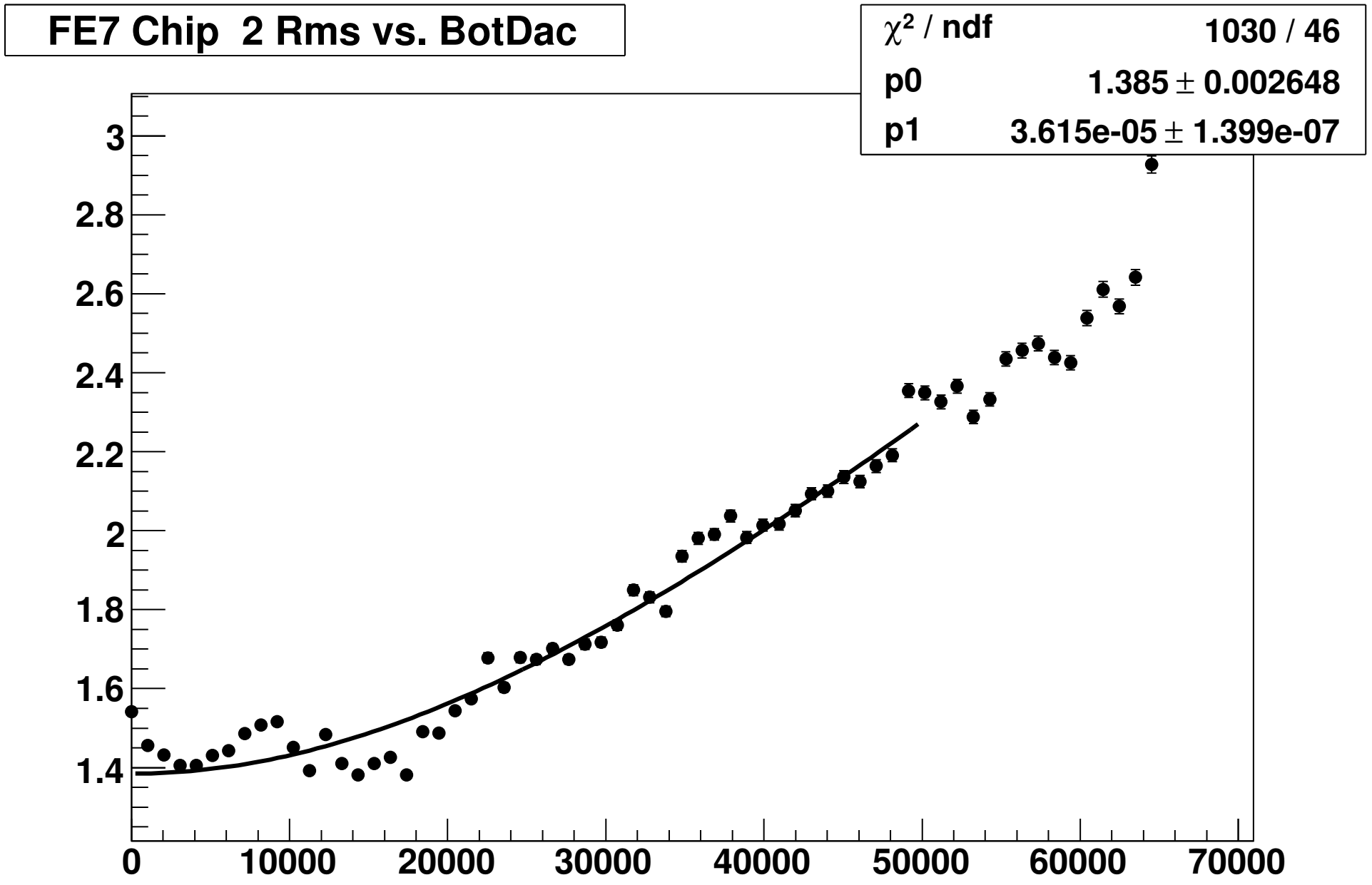
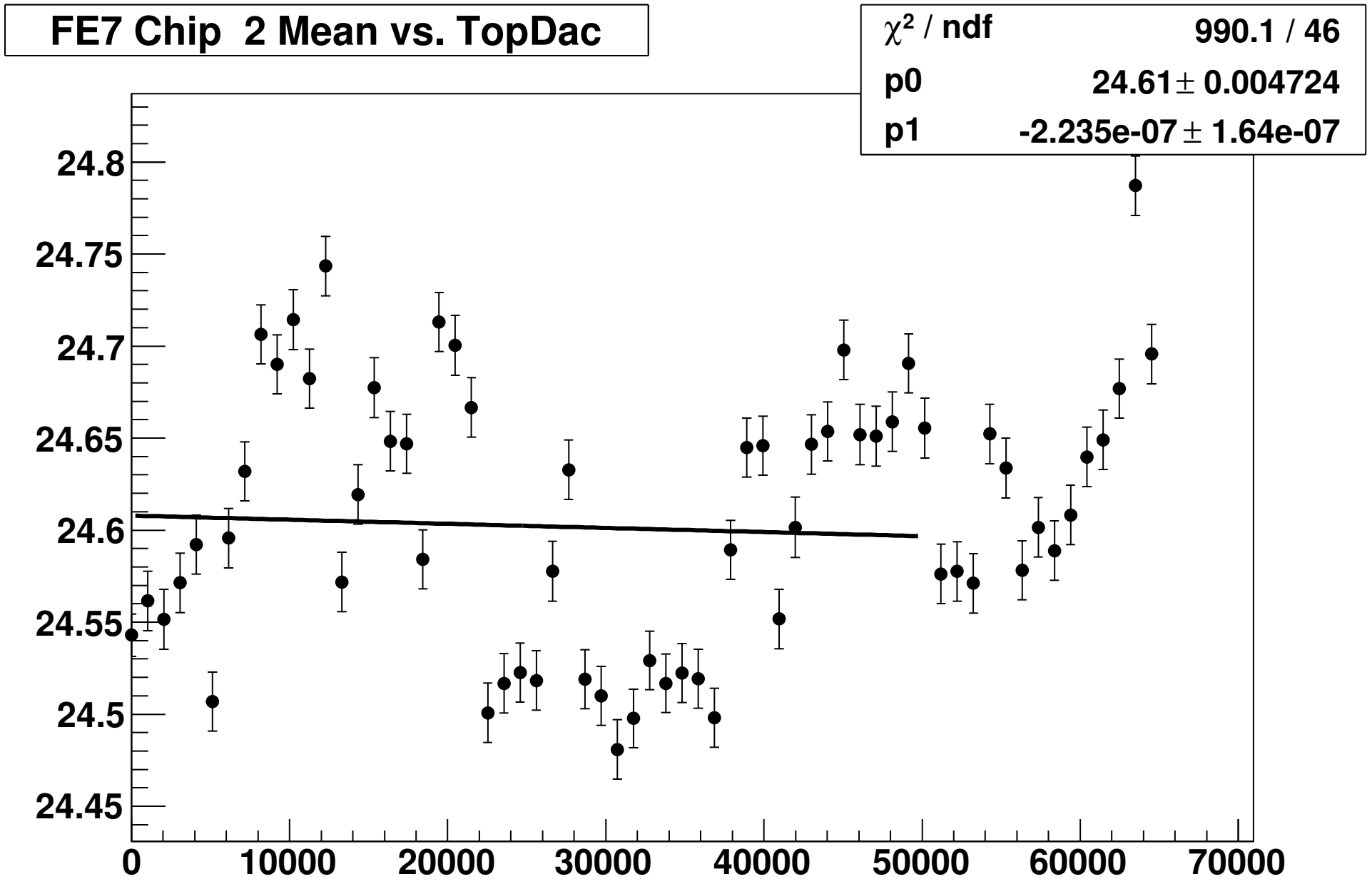
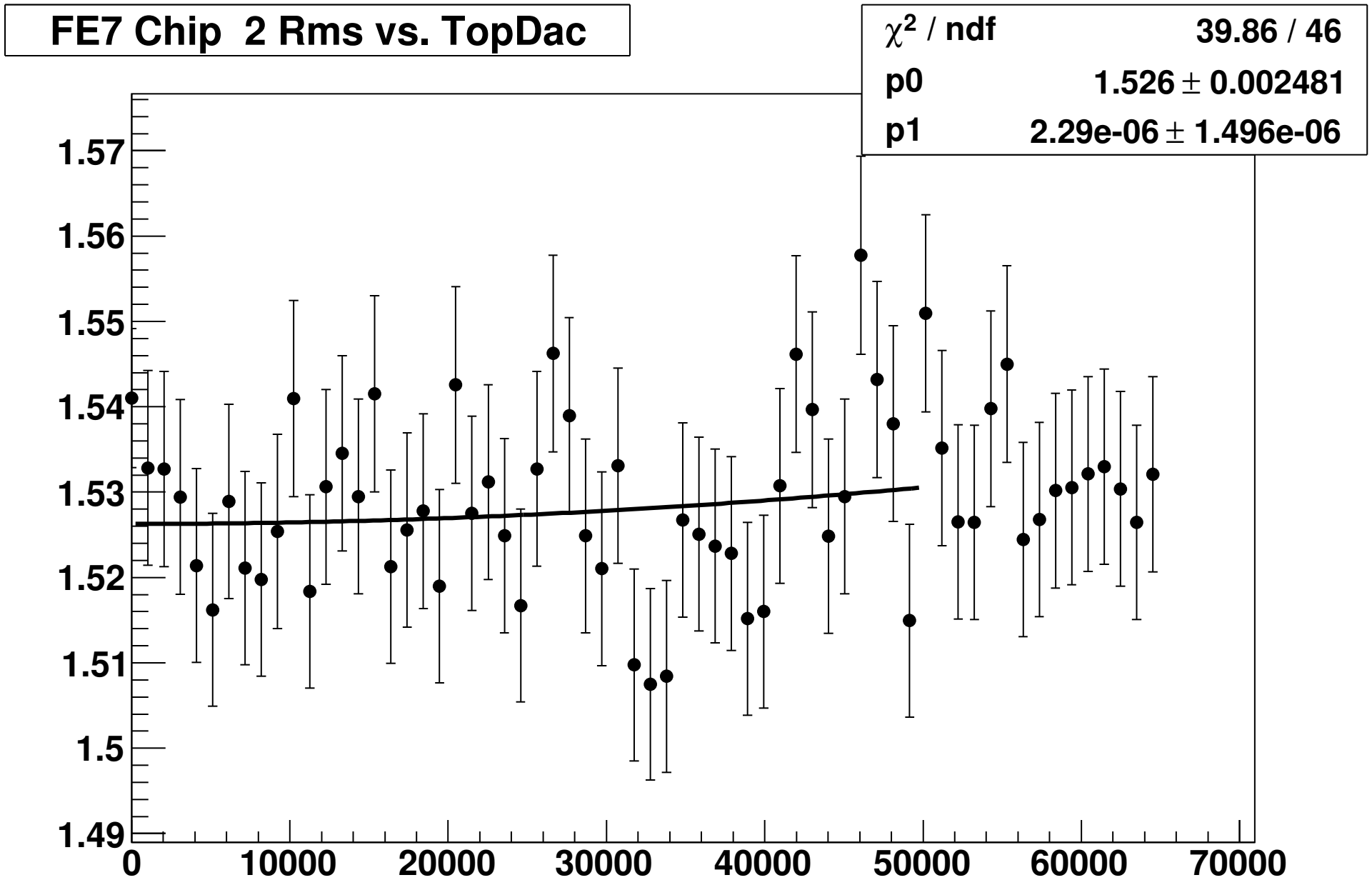
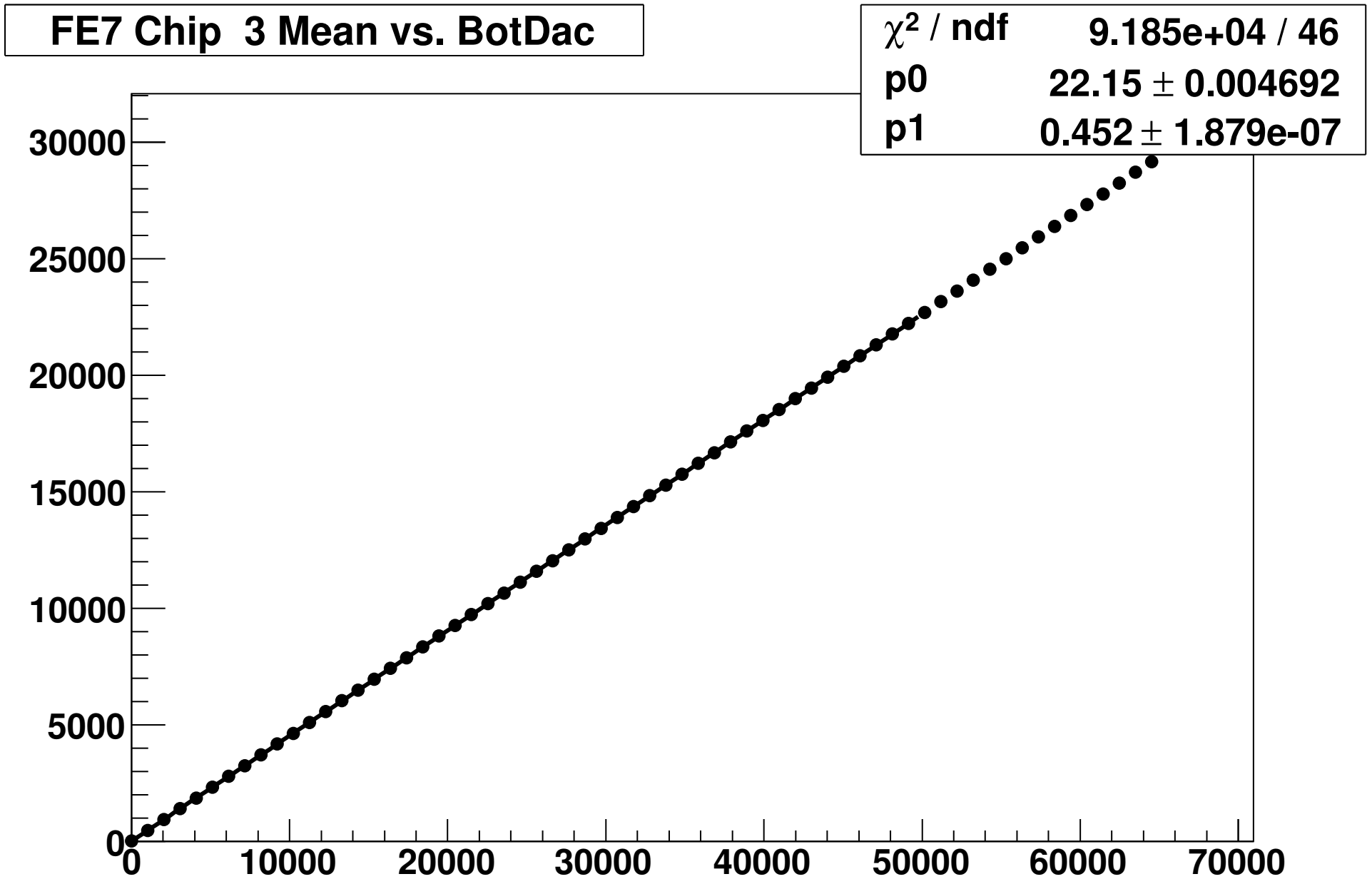
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1030 / 46
p0 1.385 ± 0.002648
p1 3.615e-05 ± 1.399e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 990.1 / 46
p0 24.61 ± 0.004724
p1 -2.235e-07 ± 1.64e-07
24.8
24.75
24.7
24.65
24.6
24.55
24.5
24.45
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 39.86 / 46
p0 1.526 ± 0.002481
p1 2.29e-06 ± 1.496e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 9.185e+04 / 46
p0 22.15 ± 0.004692
p1 0.452 ± 1.879e-07
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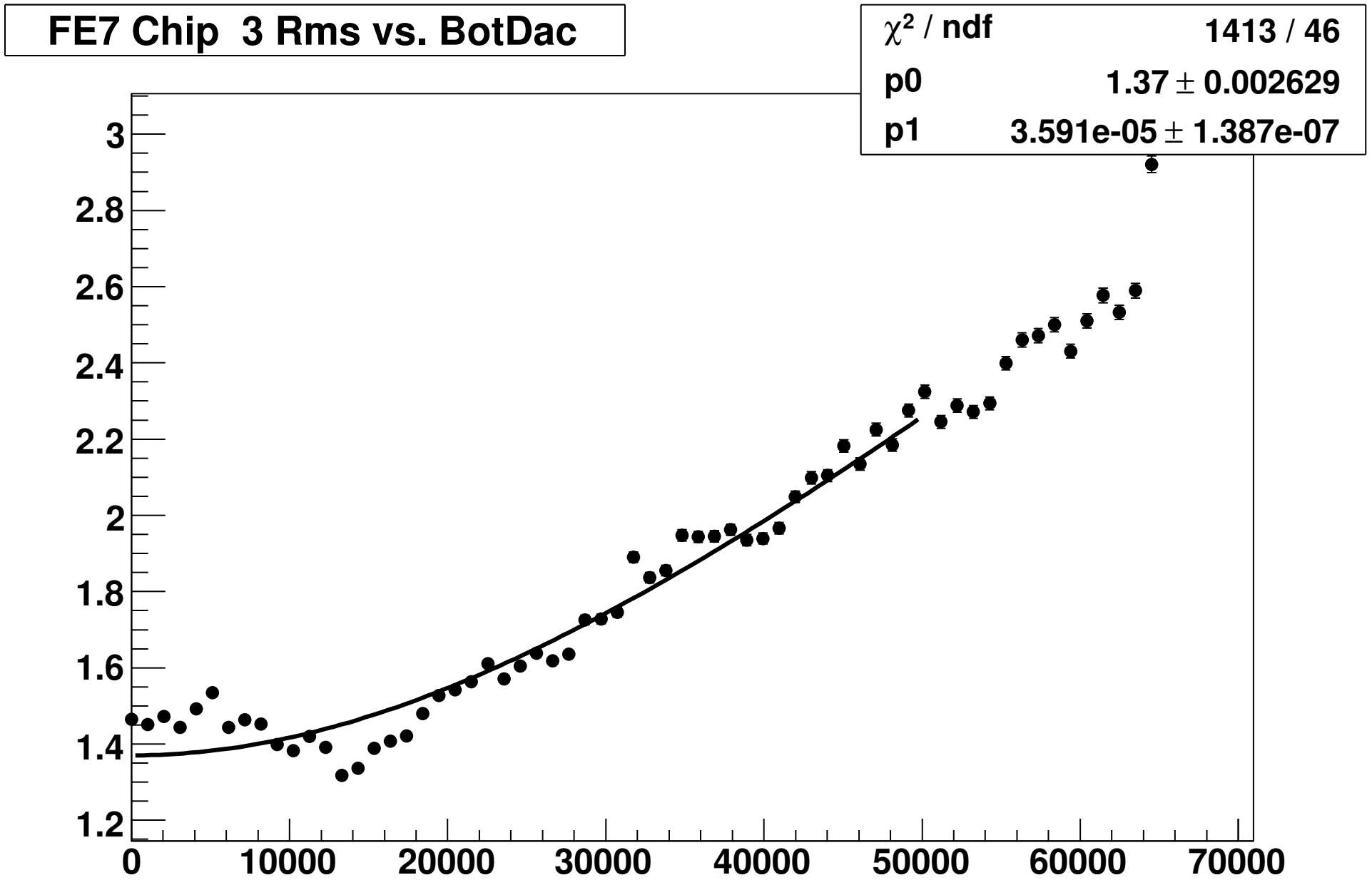
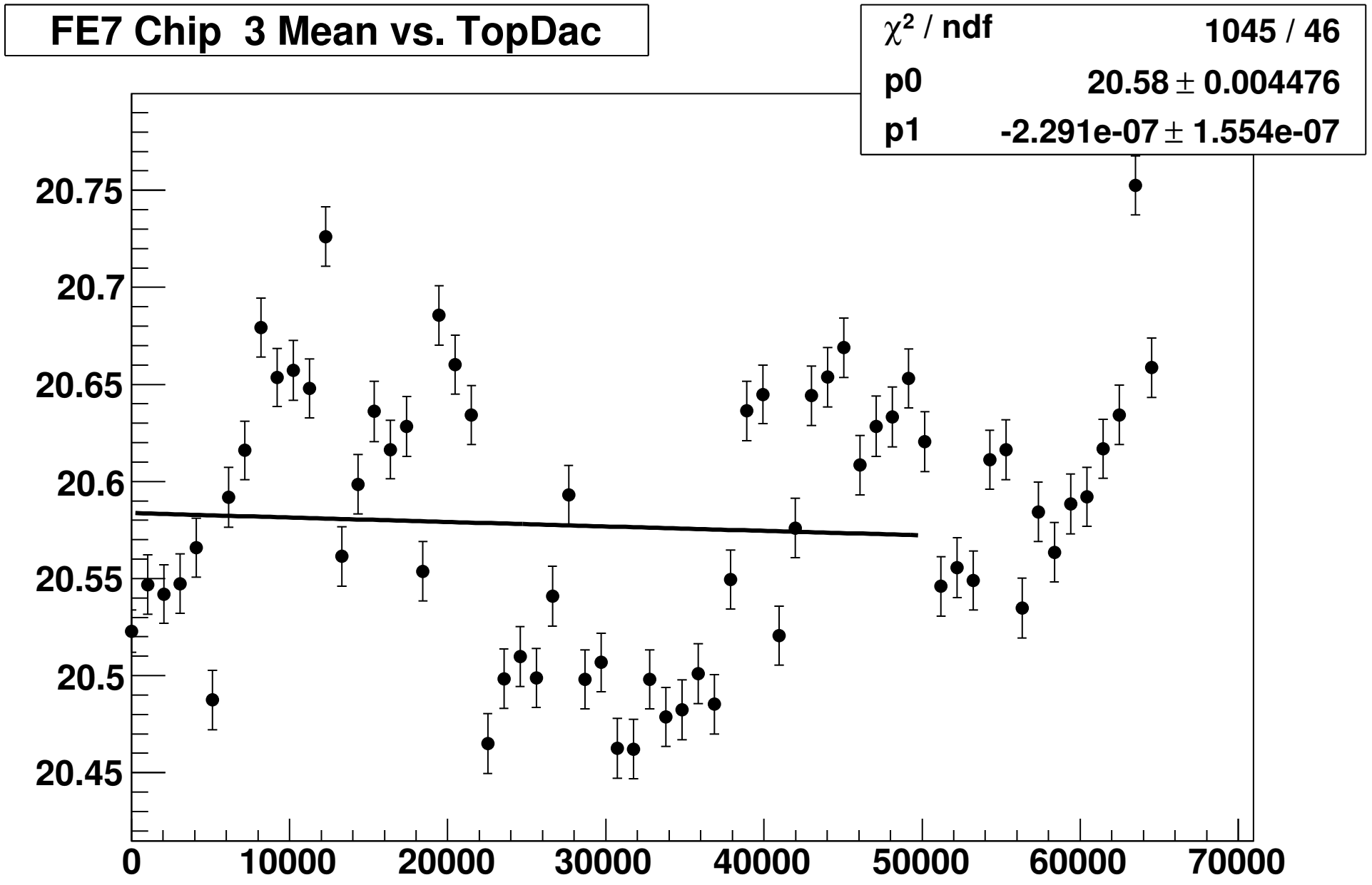
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1413 / 46
p0 1.37 ± 0.002629
p1 3.591e-05 ± 1.387e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 1045 / 46
p0 20.58 ± 0.004476
p1 -2.291e-07 ± 1.554e-07
20.75
20.7
20.65
20.6
20.55
20.5
20.45
0
10000
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30000
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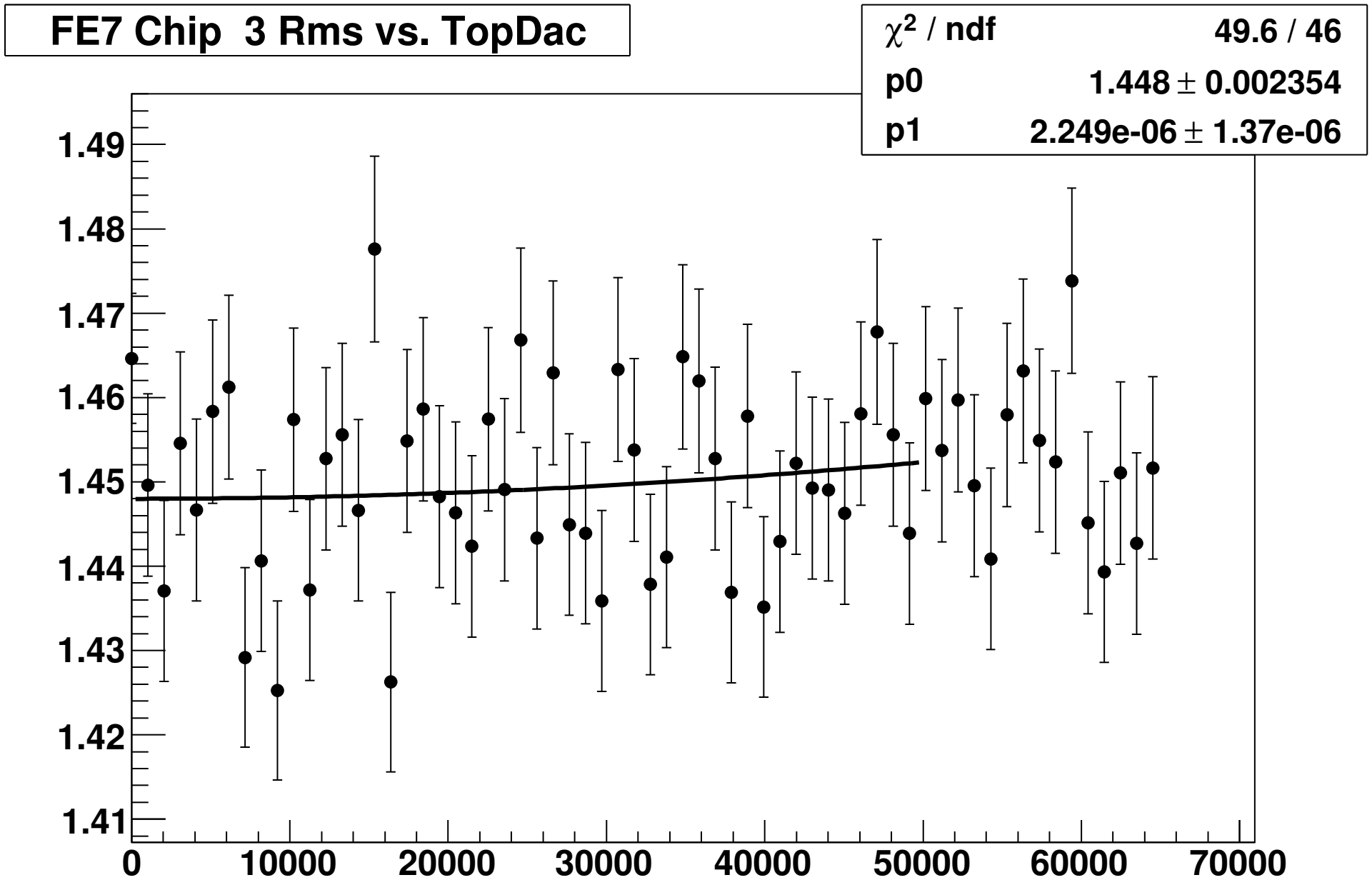
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 49.6 / 46
p0 1.448 ± 0.002354
p1 2.249e-06 ± 1.37e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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20000
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60000
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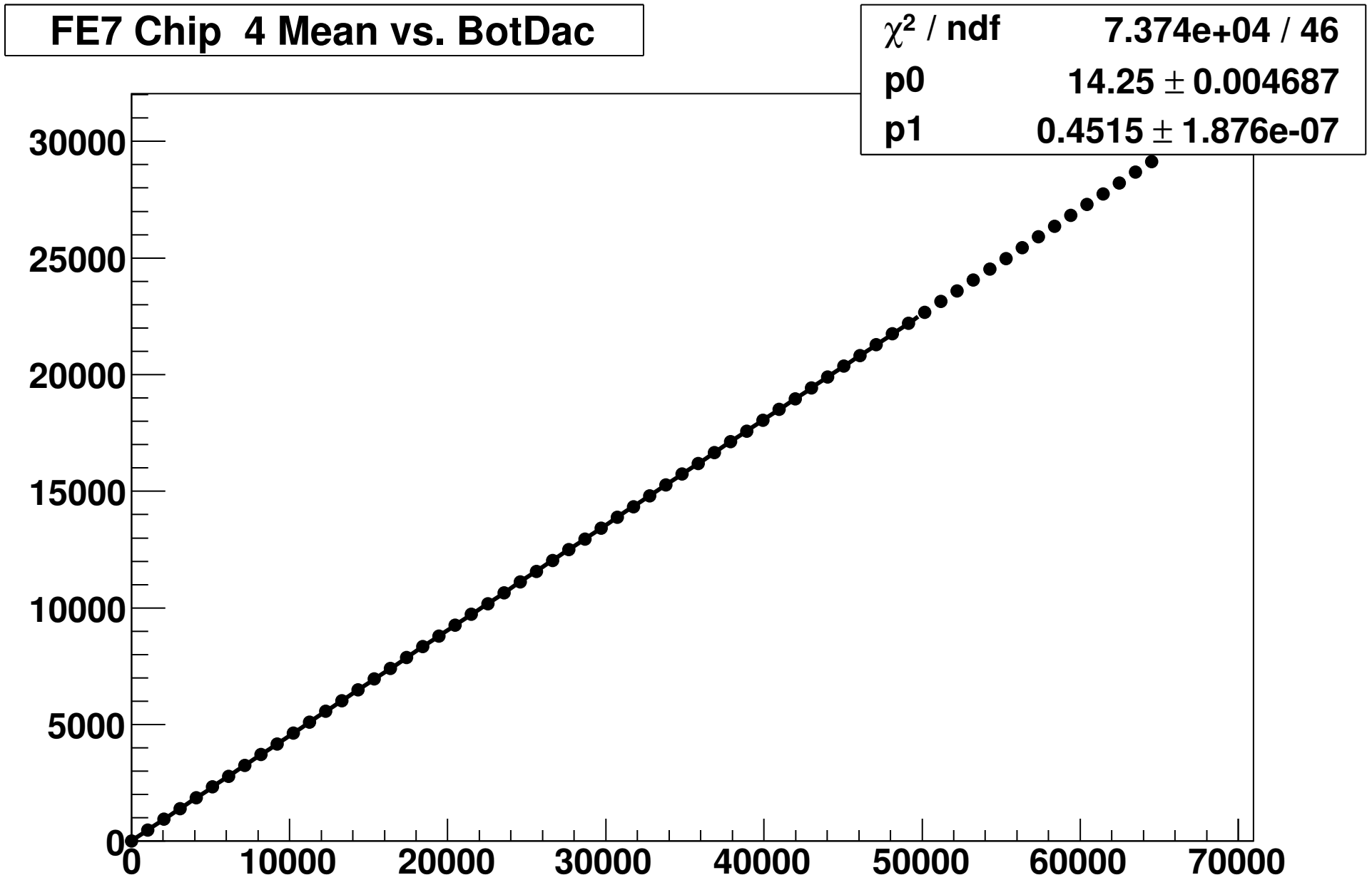
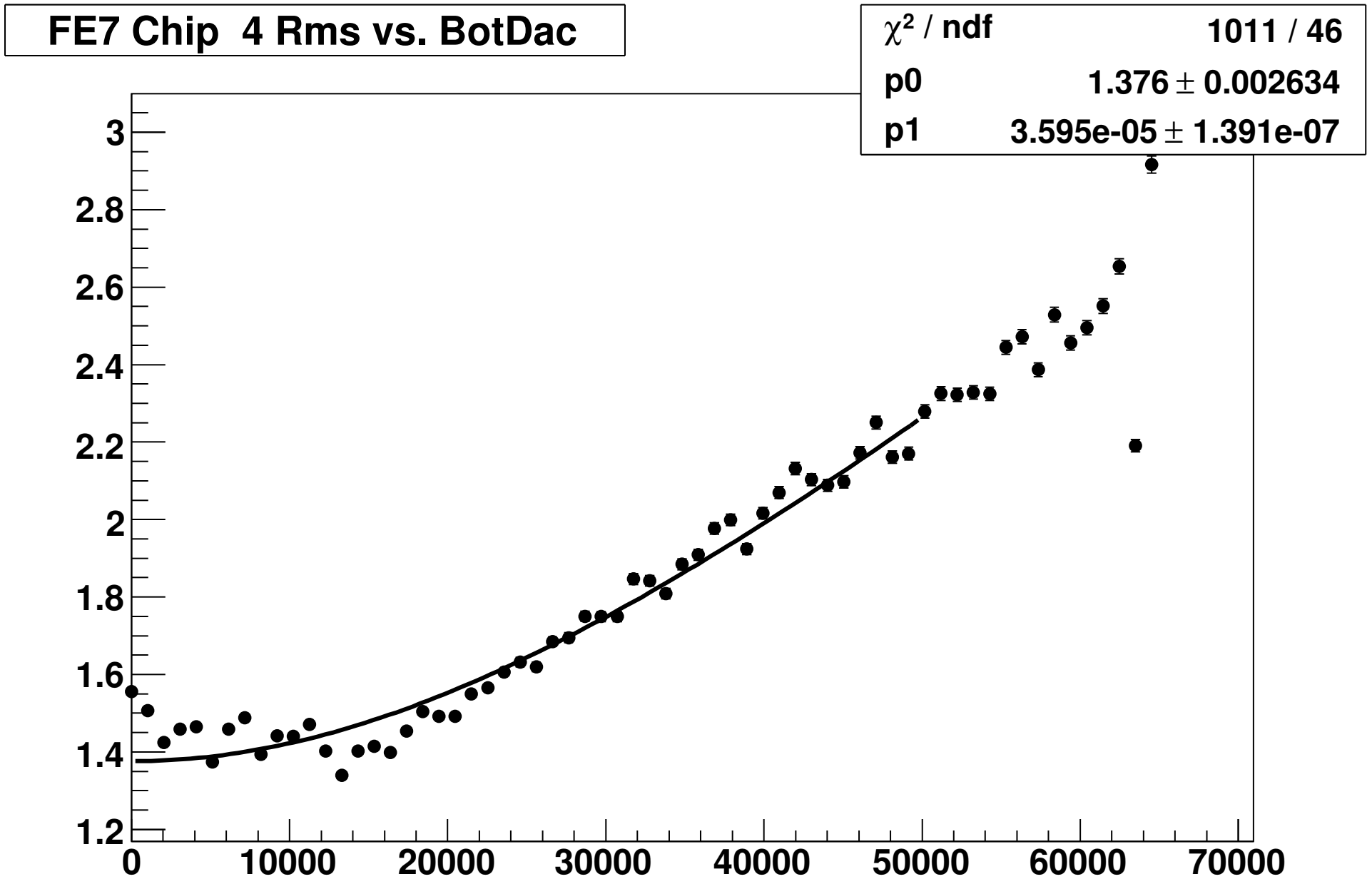
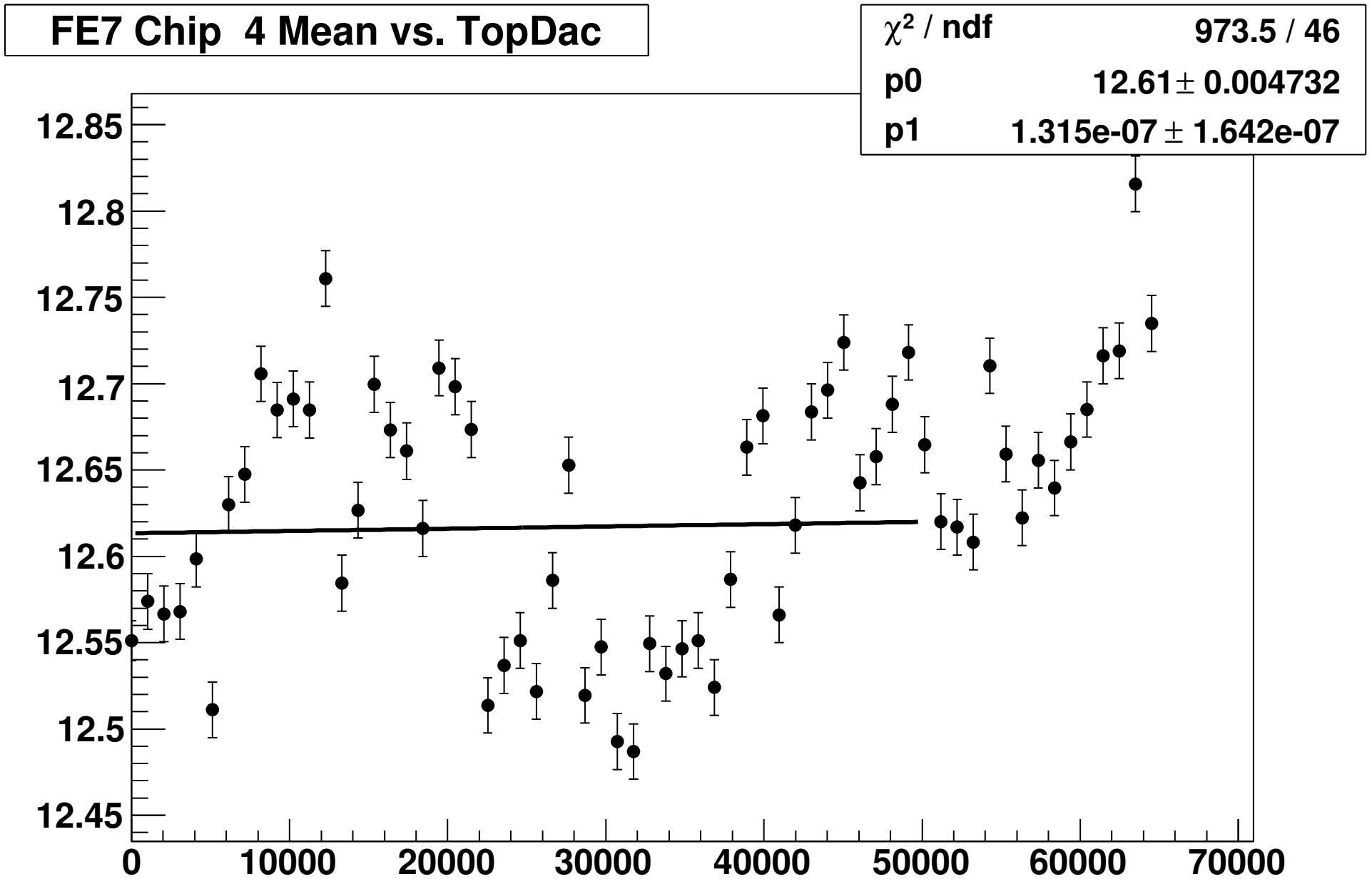

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 7.374e+04 / 46
p0 14.25 ± 0.004687
p1 0.4515 ± 1.876e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1011 / 46
p0 1.376 ± 0.002634
p1 3.595e-05 ± 1.391e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 973.5 / 46
p0 12.61 ± 0.004732
p1 1.315e-07 ± 1.642e-07
12.85
12.8
12.75
12.7
12.65
12.6
12.55
12.5
12.45
0
10000
20000
30000
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60000
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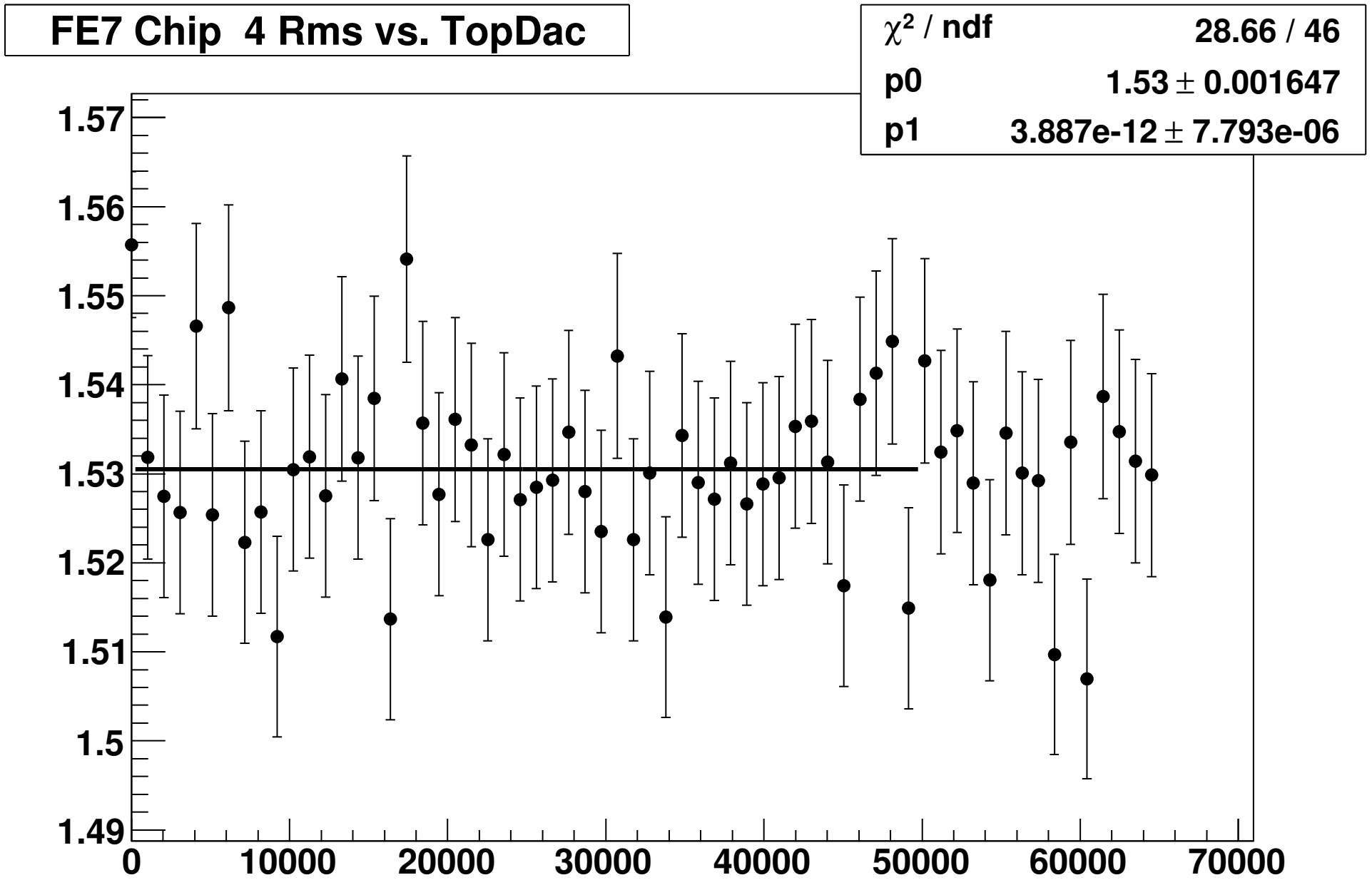
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 28.66 / 46
p0 1.53 ± 0.001647
p1 3.887e-12 ± 7.793e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
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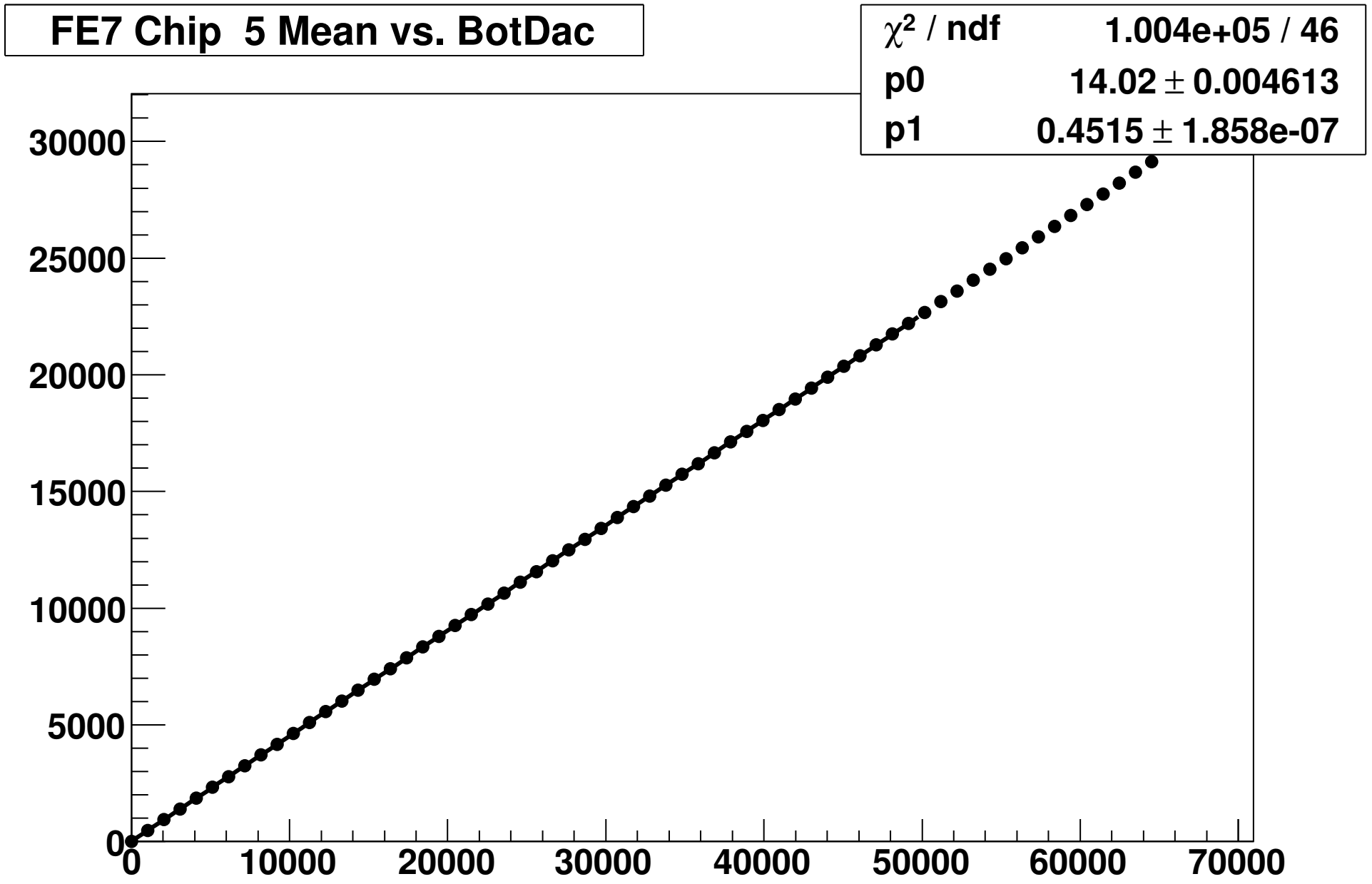
FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.004e+05 / 46
p0 14.02 ± 0.004613
p1 0.4515 ± 1.858e-07
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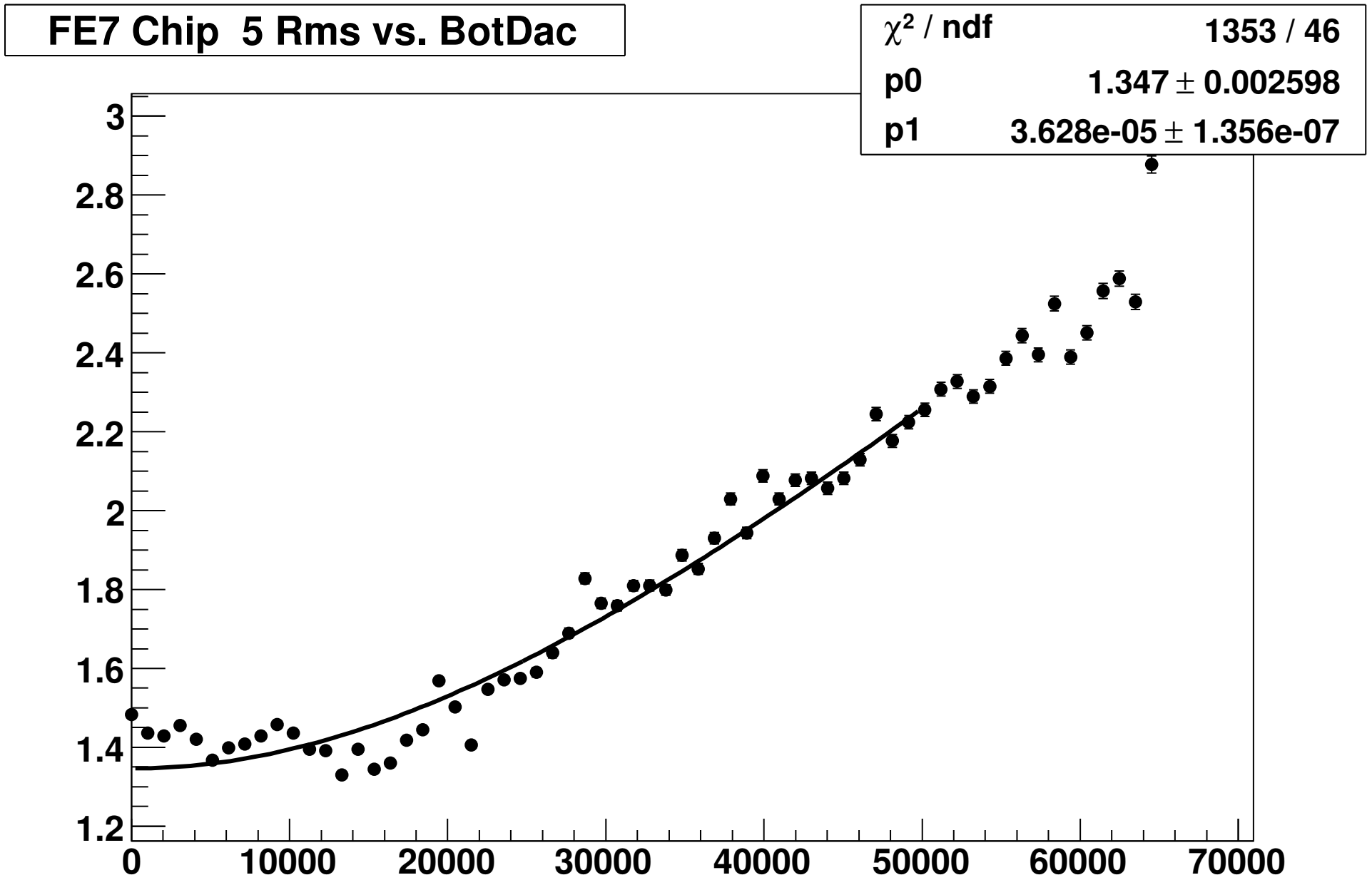
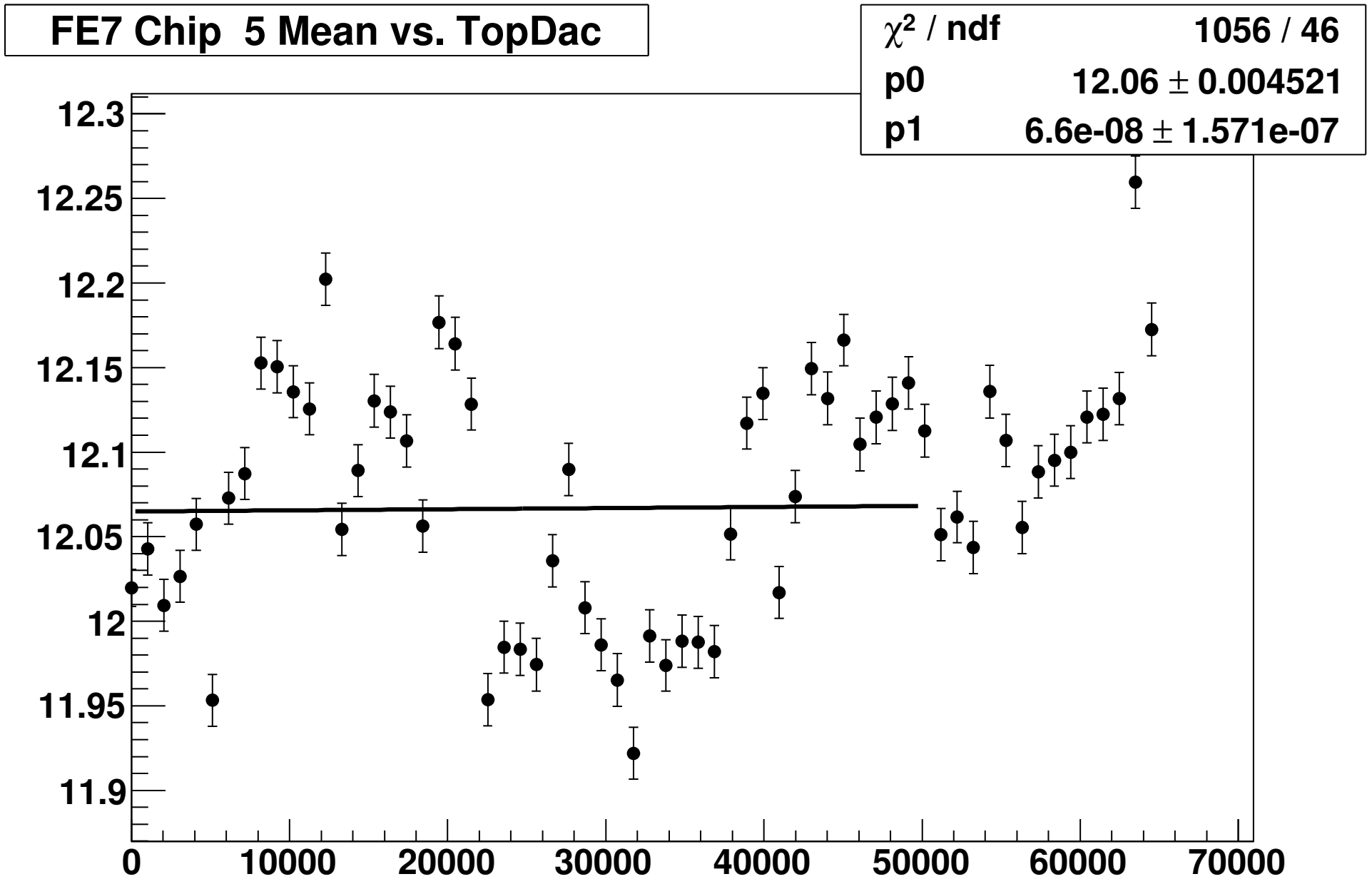
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1353 / 46
p0 1.347 ± 0.002598
p1 3.628e-05 ± 1.356e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 1056 / 46
p0 12.06 ± 0.004521
p1 6.6e-08 ± 1.571e-07
12.3
12.25
12.2
12.15
12.1
12.05
12
11.95
11.9
0
10000
20000
30000
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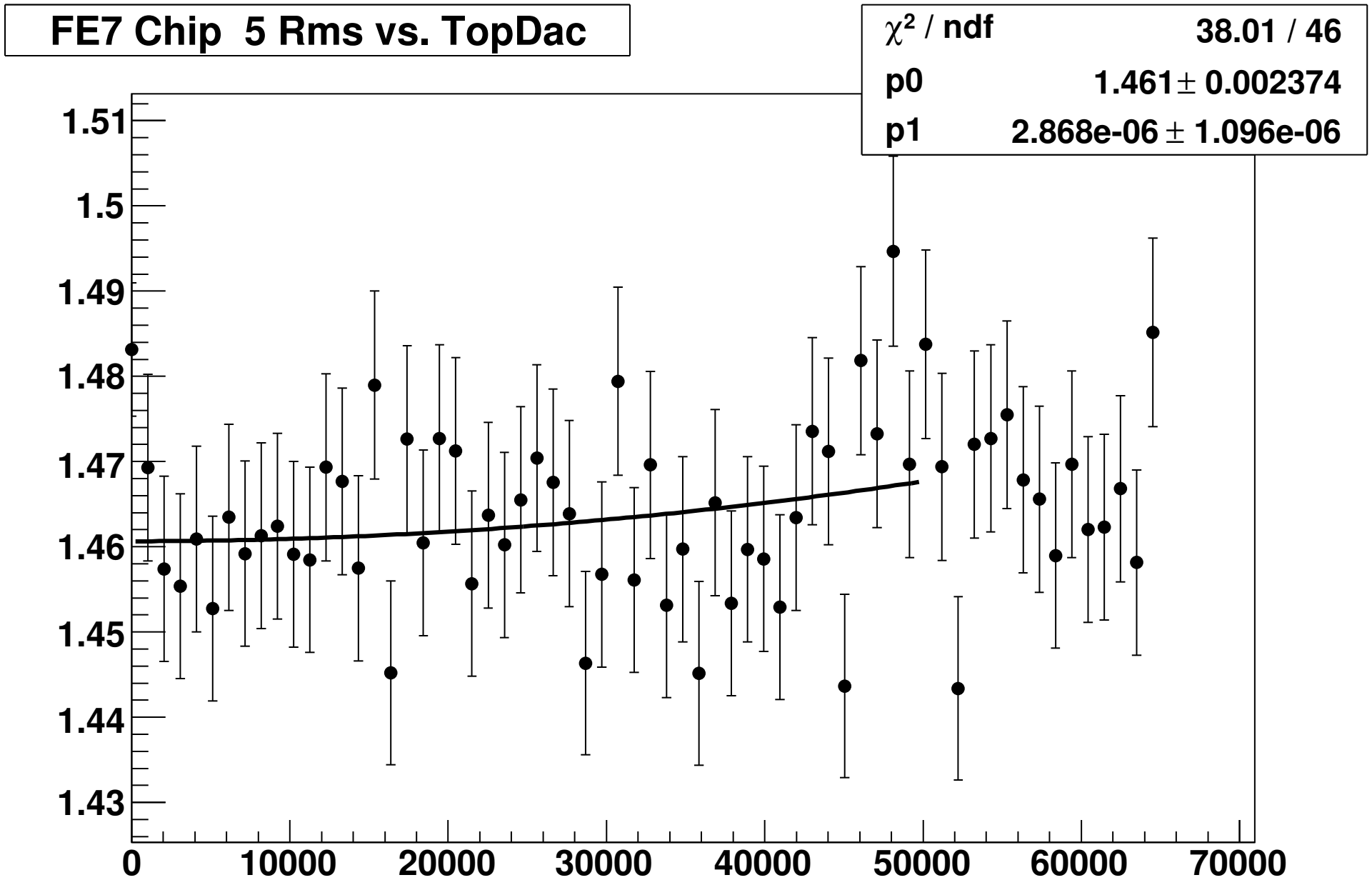
50000
60000
70000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 38.01 / 46
p0 1.461 ± 0.002374
p1 2.868e-06 ± 1.096e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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20000
30000
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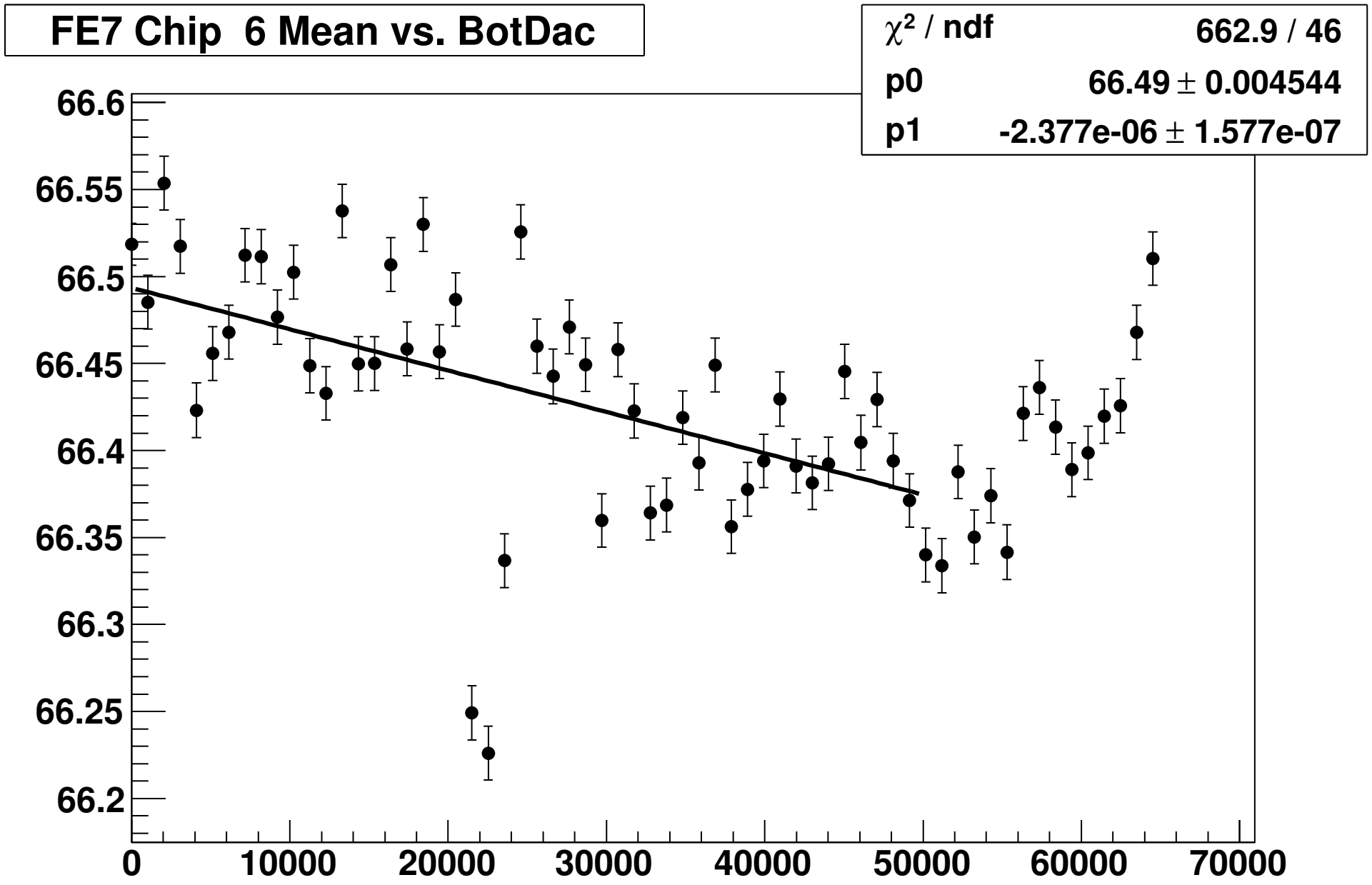
FE7 Chip 6 Mean vs. BotDac
χ² / ndf 662.9 / 46
p0 66.49 ± 0.004544
p1 -2.377e-06 ± 1.577e-07
66.6
66.55
66.5
66.45
66.4
66.35
66.3
66.25
66.2
0
10000
20000
30000
40000
50000
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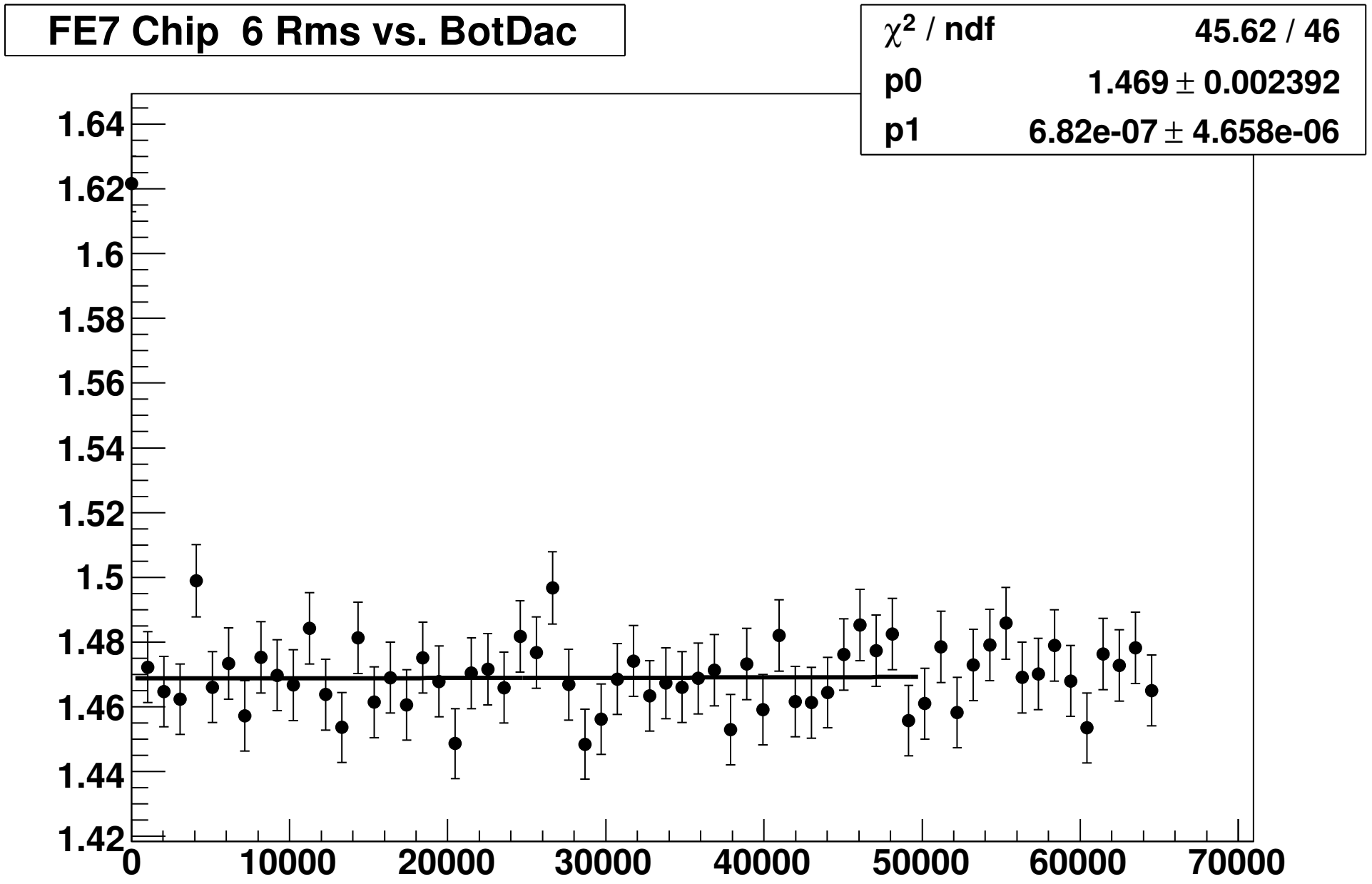
FE7 Chip 6 Rms vs. BotDac
χ² / ndf 45.62 / 46
p0 1.469 ± 0.002392
p1 6.82e-07 ± 4.658e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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10000
20000
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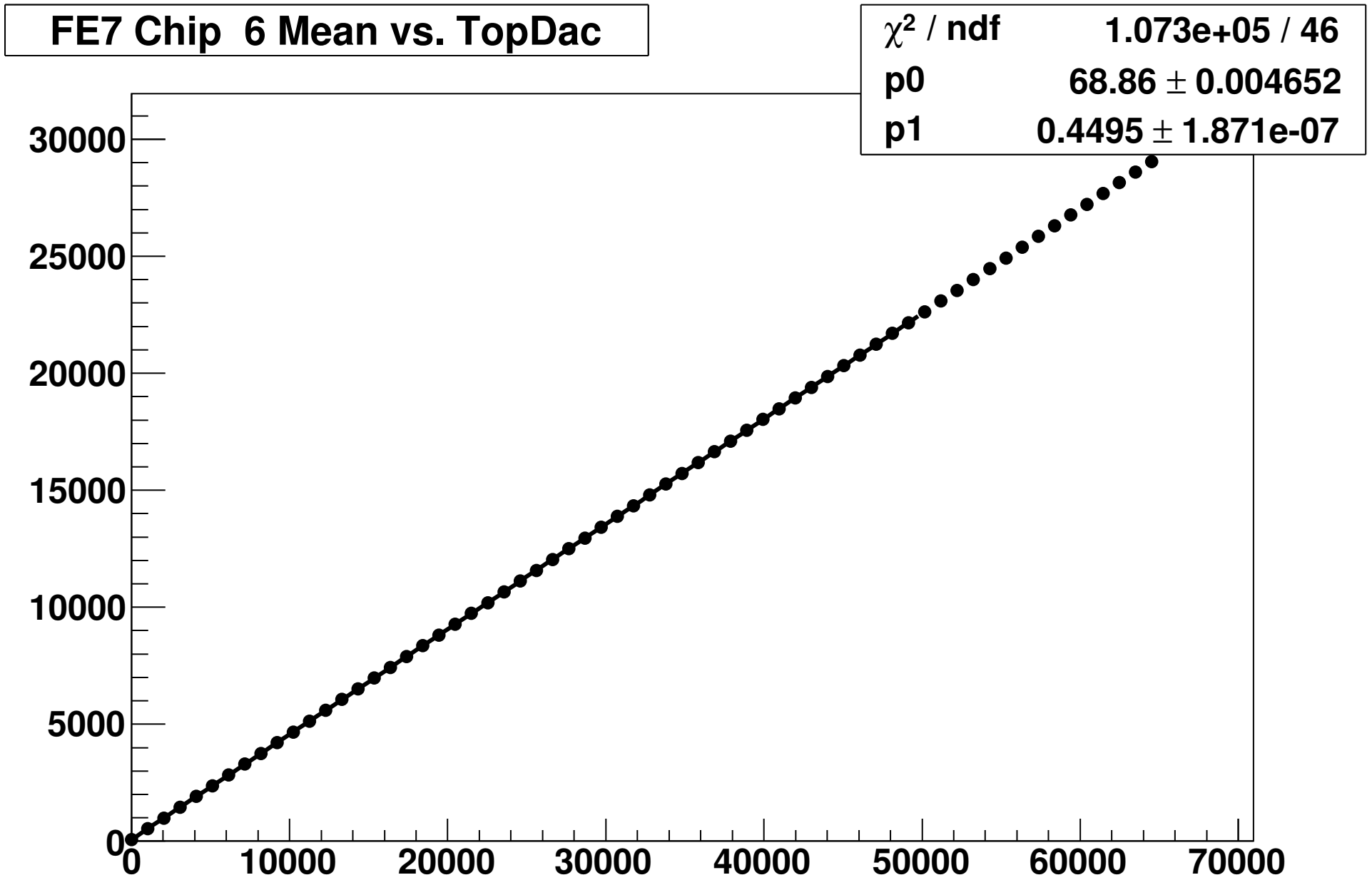
70000


FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.073e+05 / 46
p0 68.86 ± 0.004652
p1 0.4495 ± 1.871e-07
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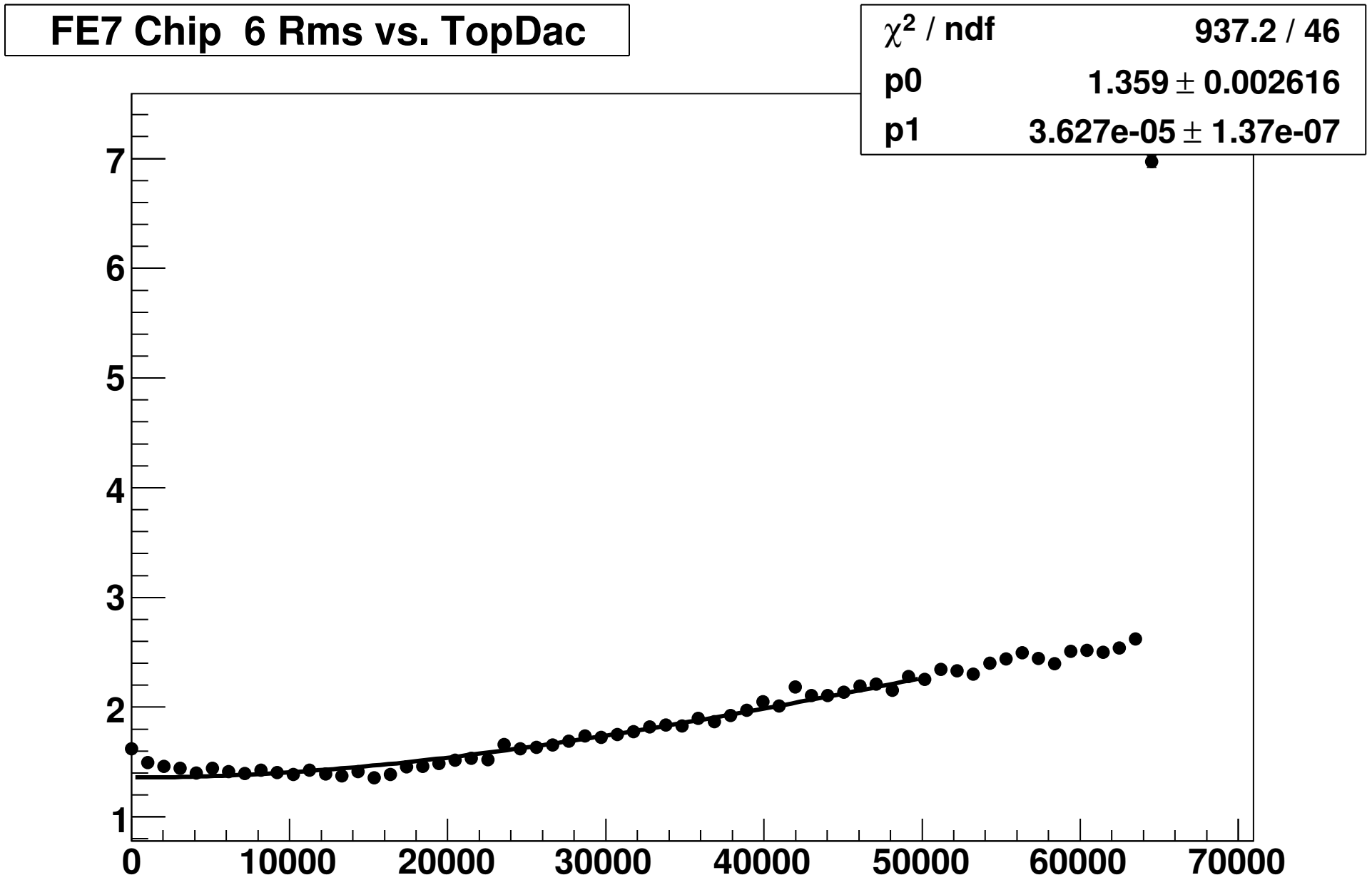
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 937.2 / 46
p0 1.359 ± 0.002616
p1 3.627e-05 ± 1.37e-07
7
6
5
4
3
2
1
0
10000
20000
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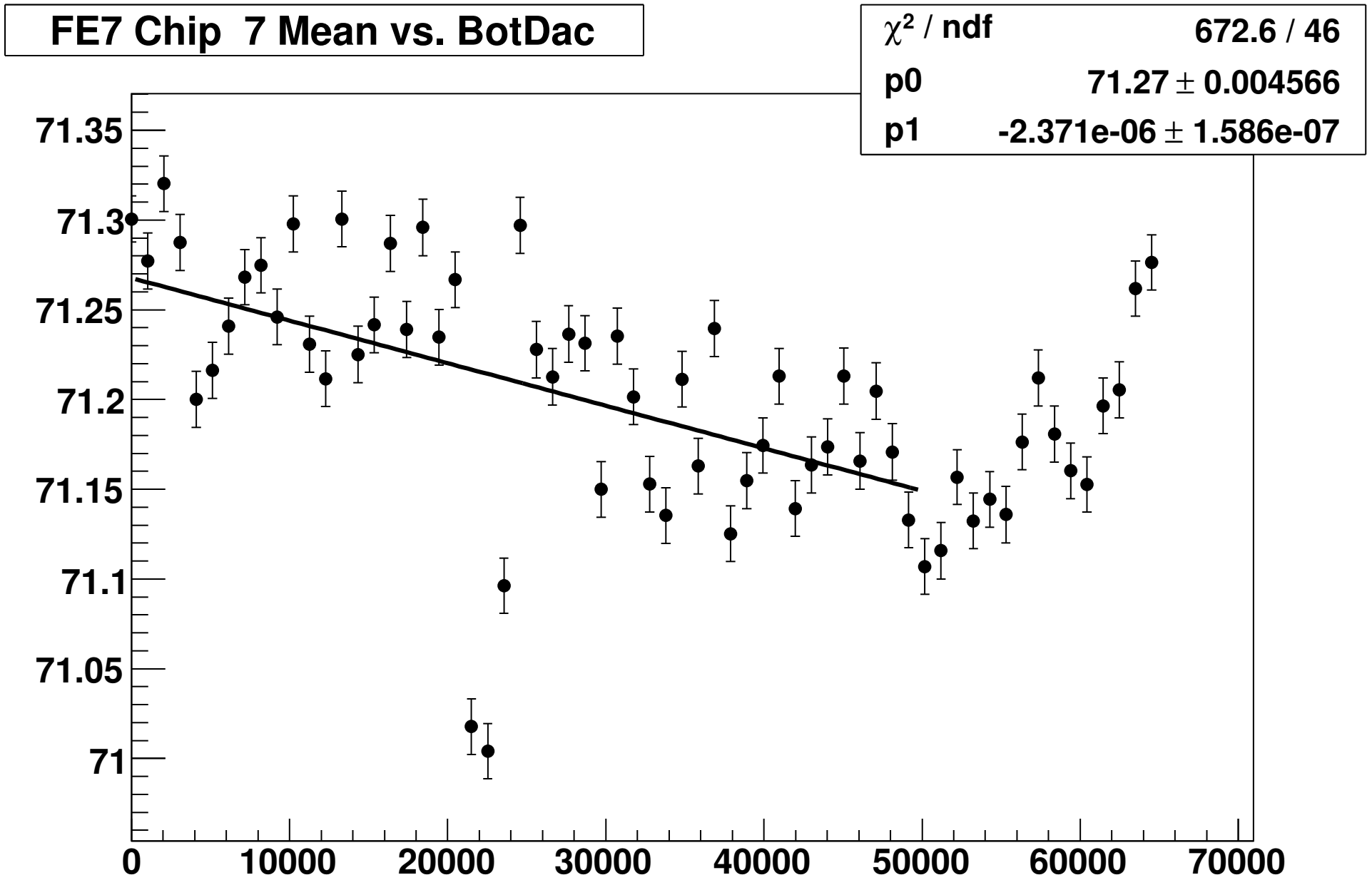
FE7 Chip 7 Mean vs. BotDac
χ² / ndf 672.6 / 46
p0 71.27 ± 0.004566
p1 -2.371e-06 ± 1.586e-07
71.35
71.3
71.25
71.2
71.15
71.1
71.05
71
0
10000
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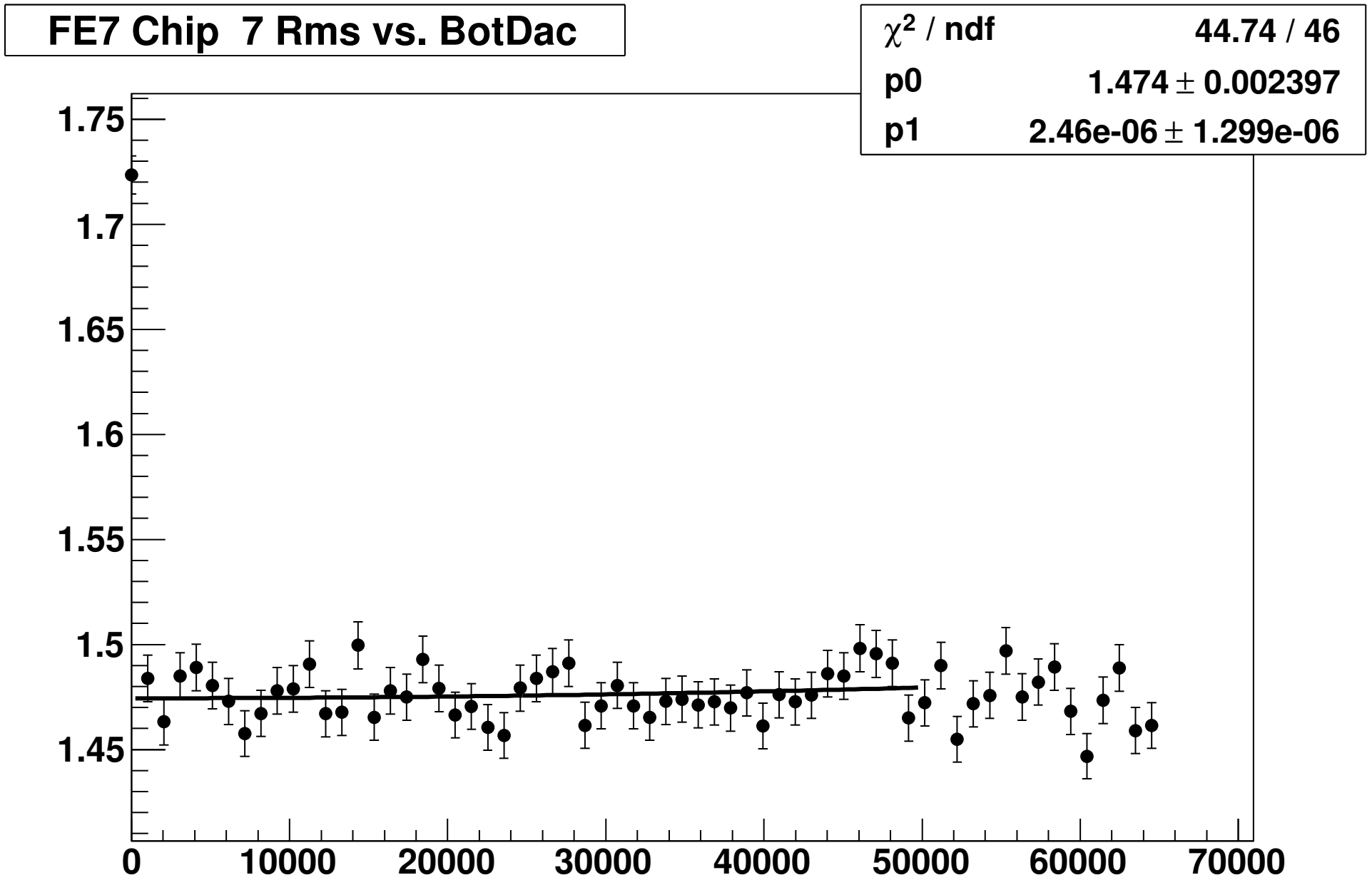
FE7 Chip 7 Rms vs. BotDac
χ² / ndf 44.74 / 46
p0 1.474 ± 0.002397
p1 2.46e-06 ± 1.299e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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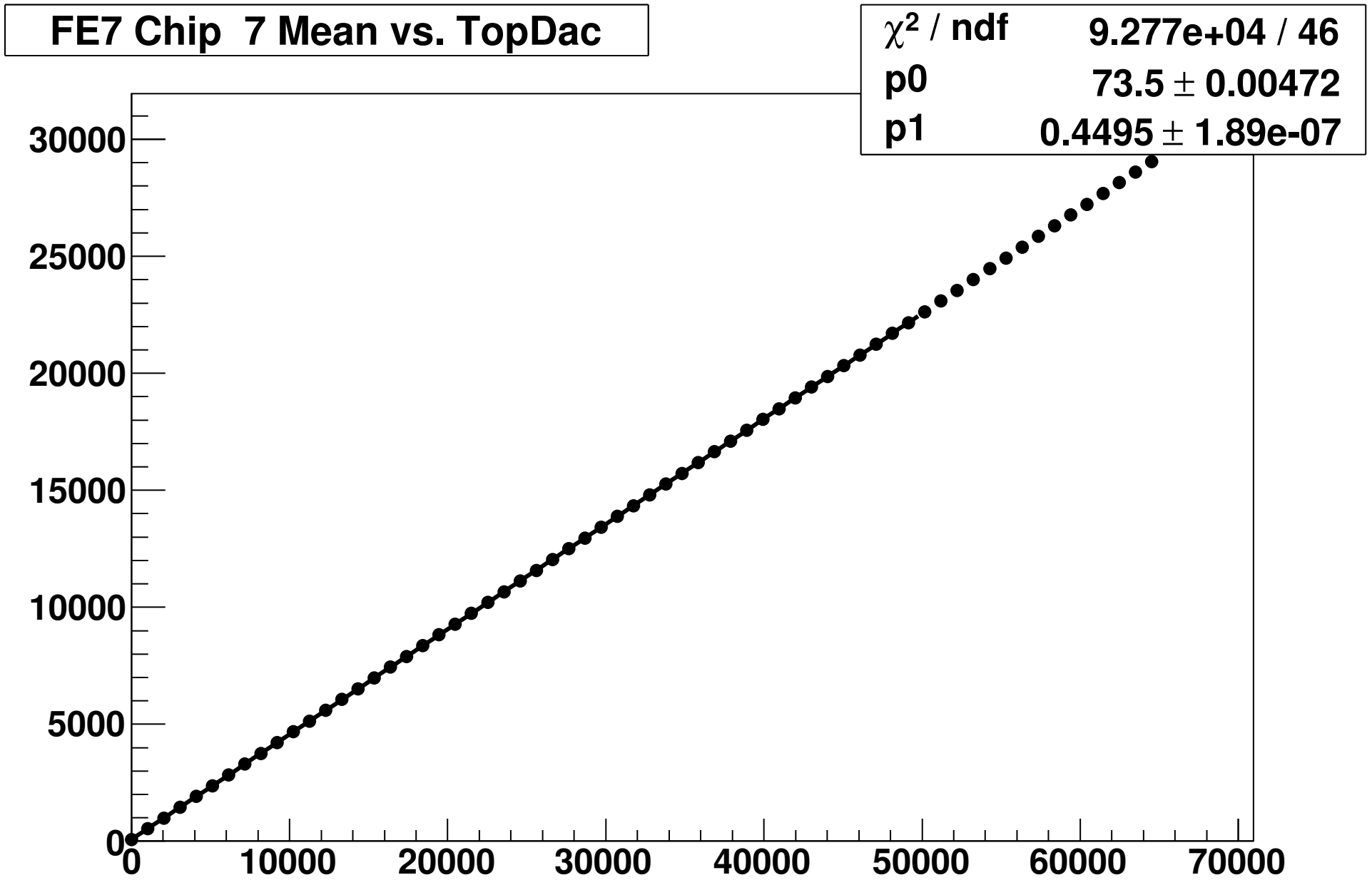
FE7 Chip 7 Mean vs. TopDac
χ² / ndf 9.277e+04 / 46
p0 73.5 ± 0.00472
p1 0.4495 ± 1.89e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
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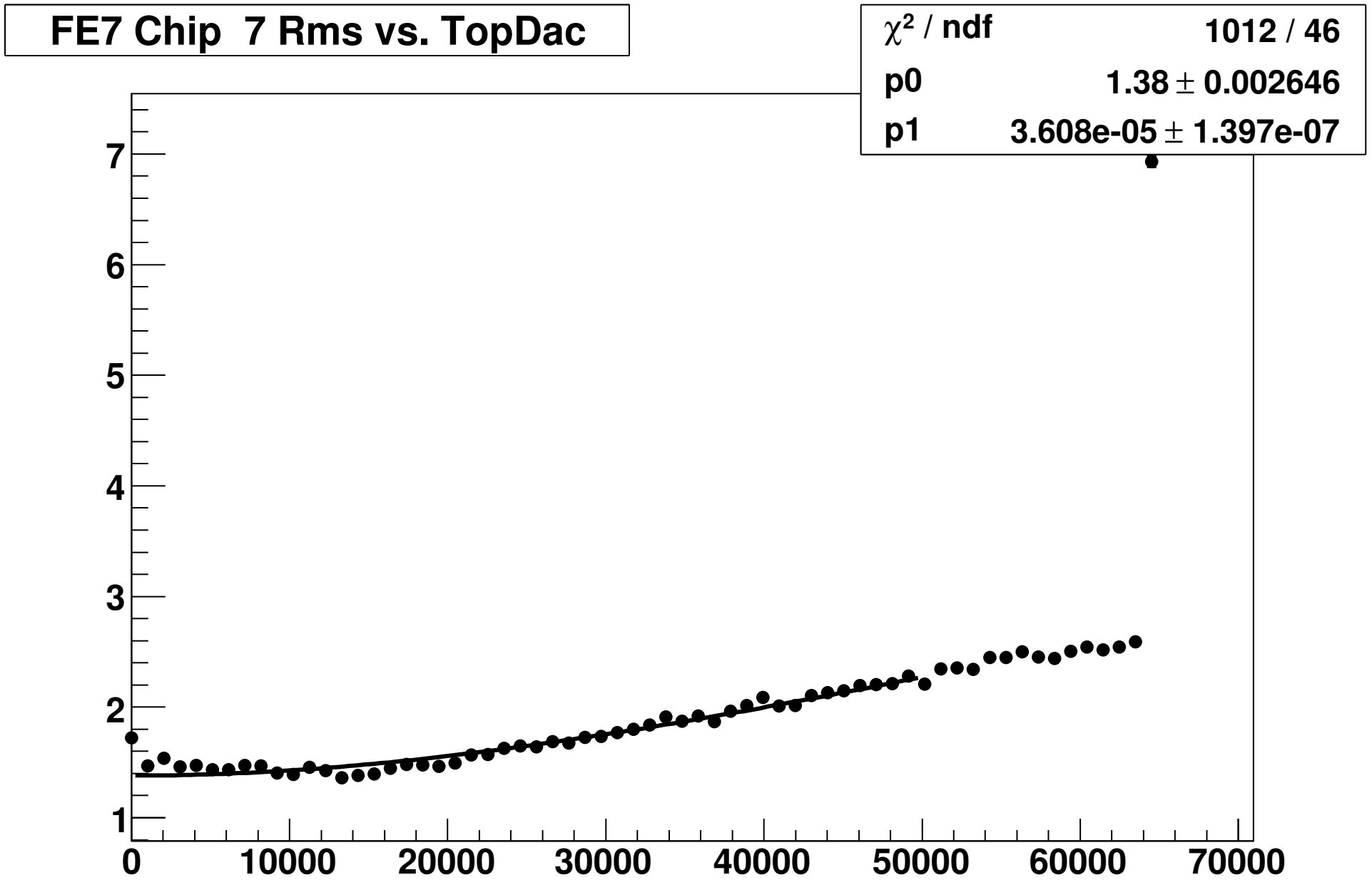
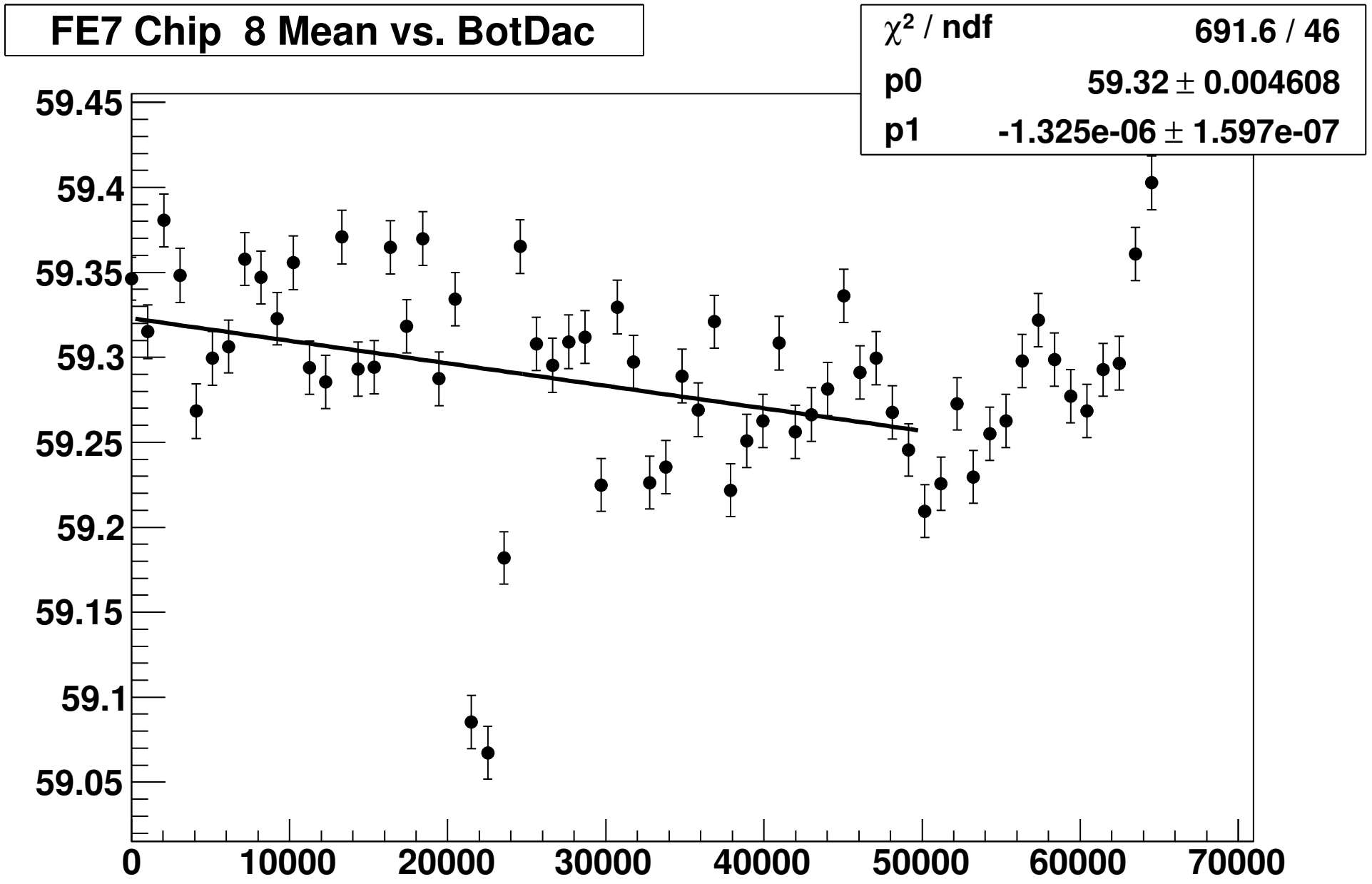
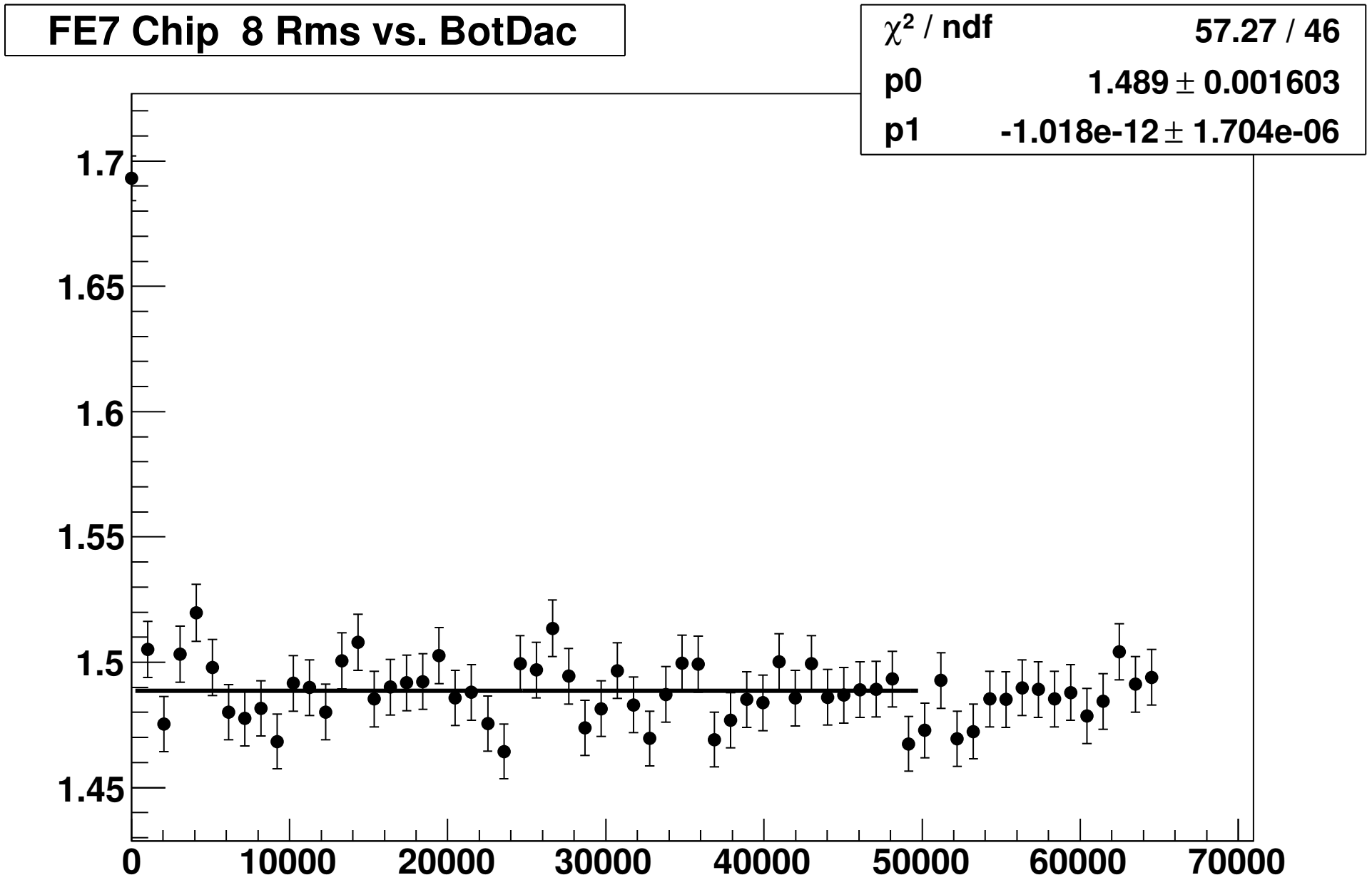
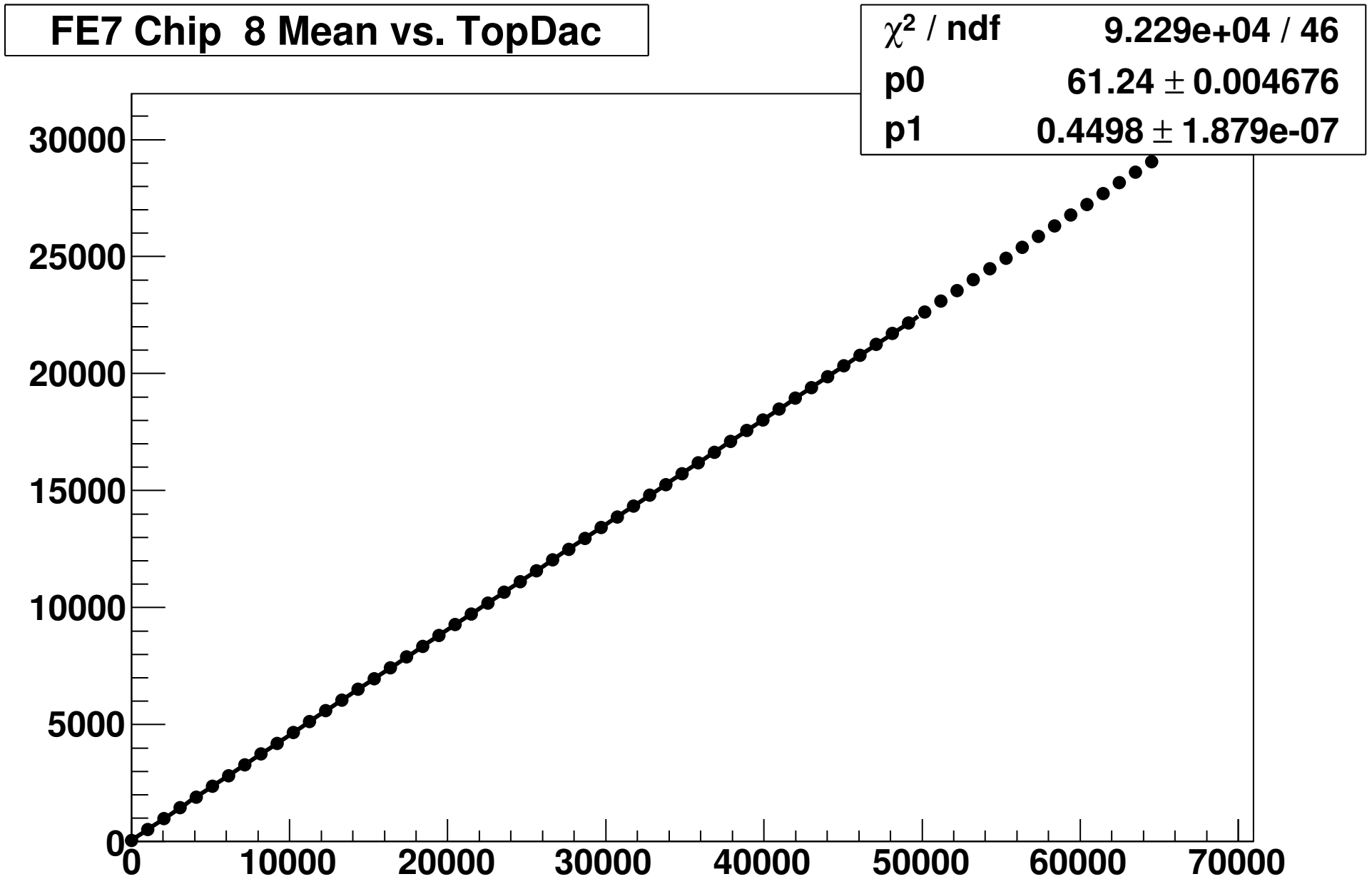
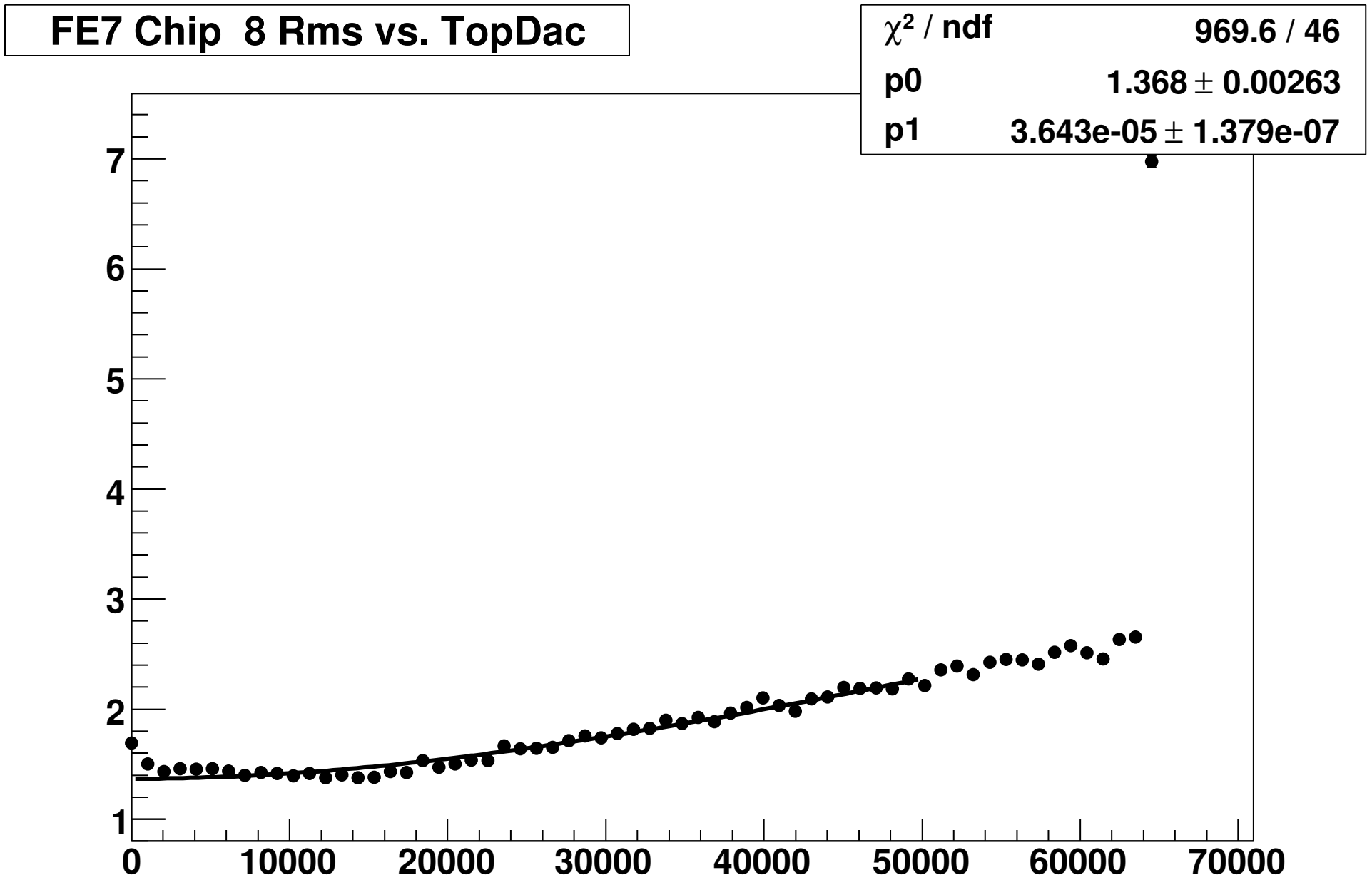
50000
60000
70000

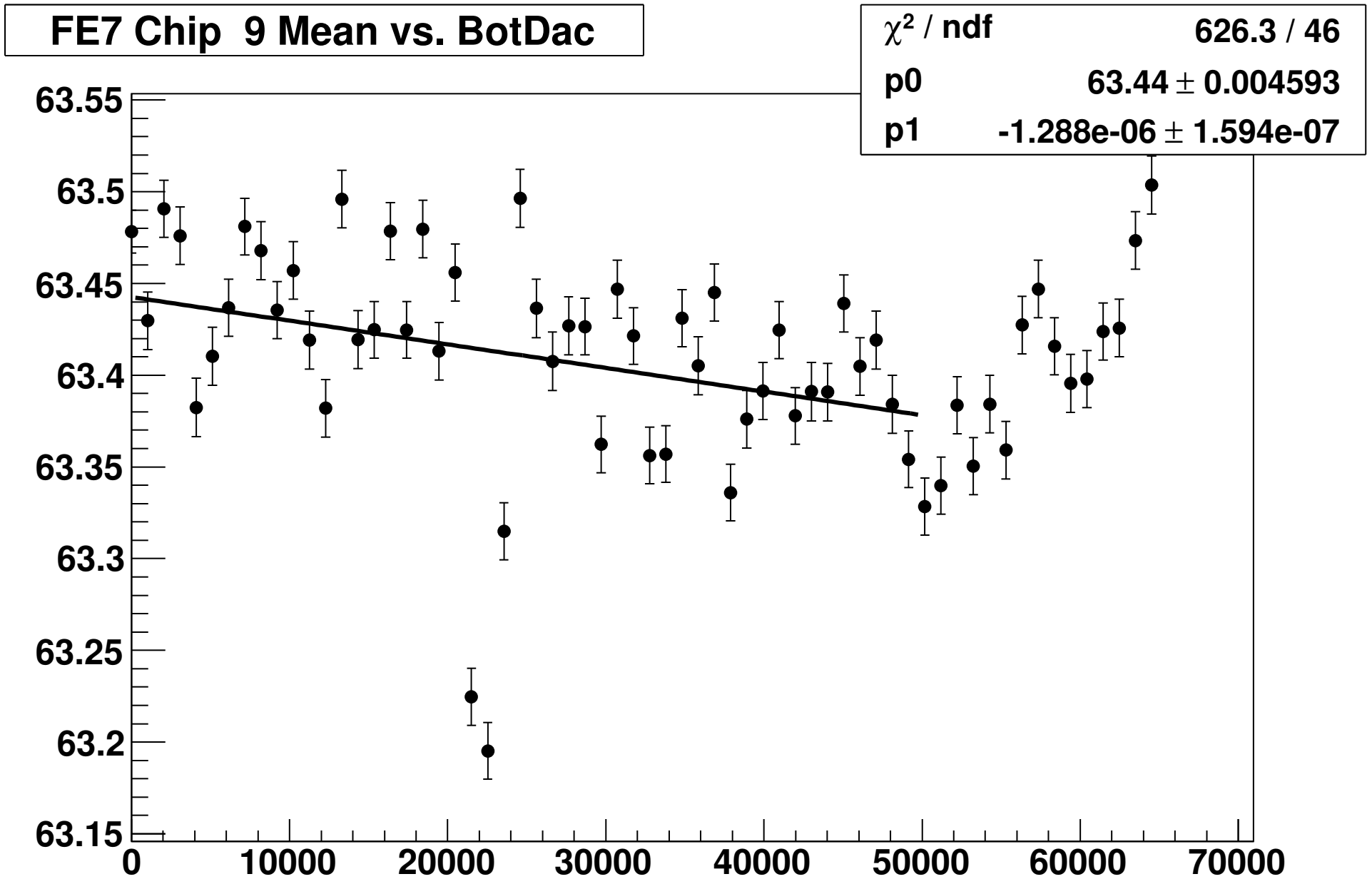

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1012 / 46
p0 1.38 ± 0.002646
p1 3.608e-05 ± 1.397e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

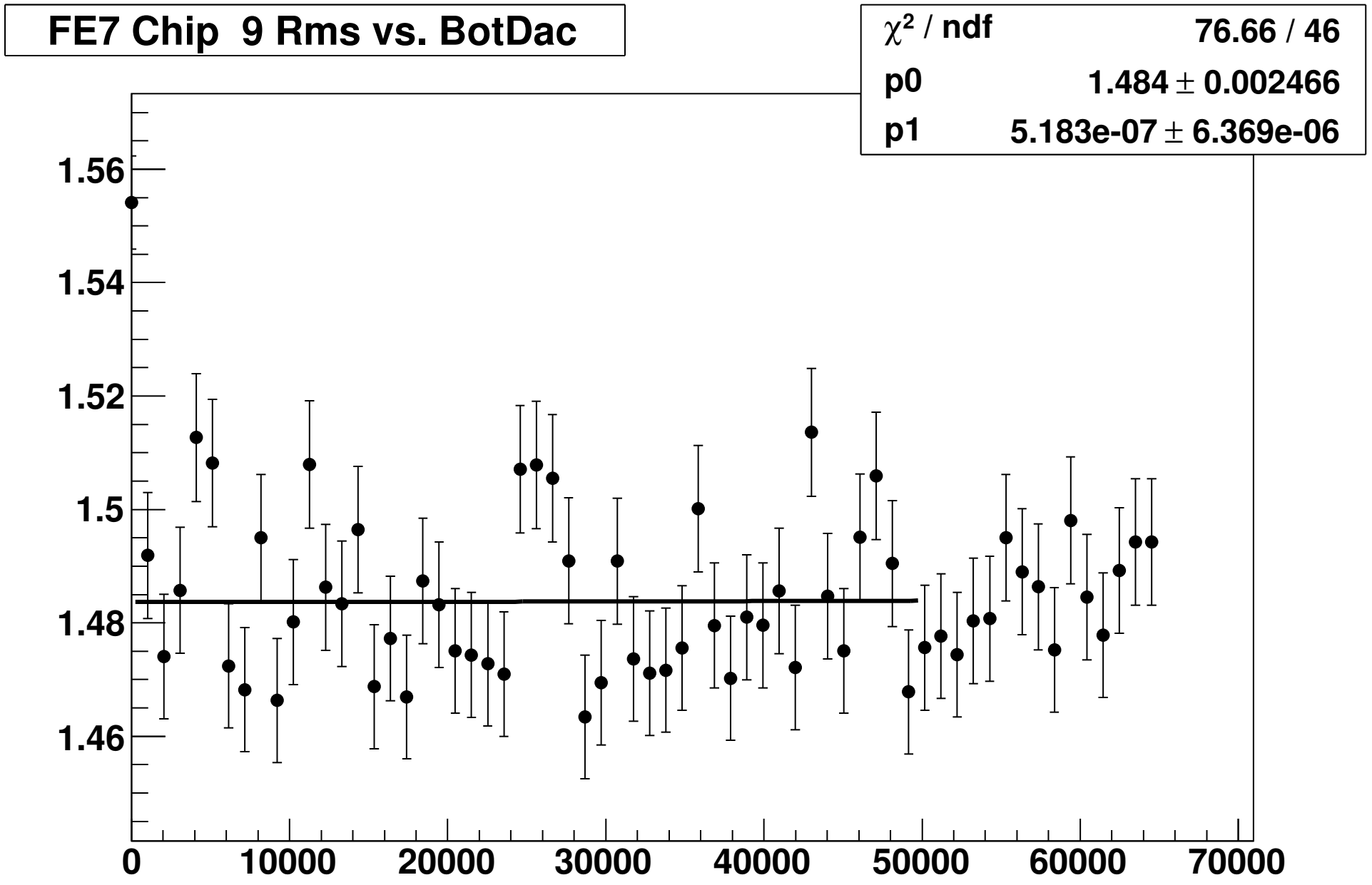

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 691.6 / 46
p0 59.32 ± 0.004608
p1 -1.325e-06 ± 1.597e-07
59.45
59.4
59.35
59.3
59.25
59.2
59.15
59.1
59.05
0
10000
20000
30000
40000
50000
60000
70000

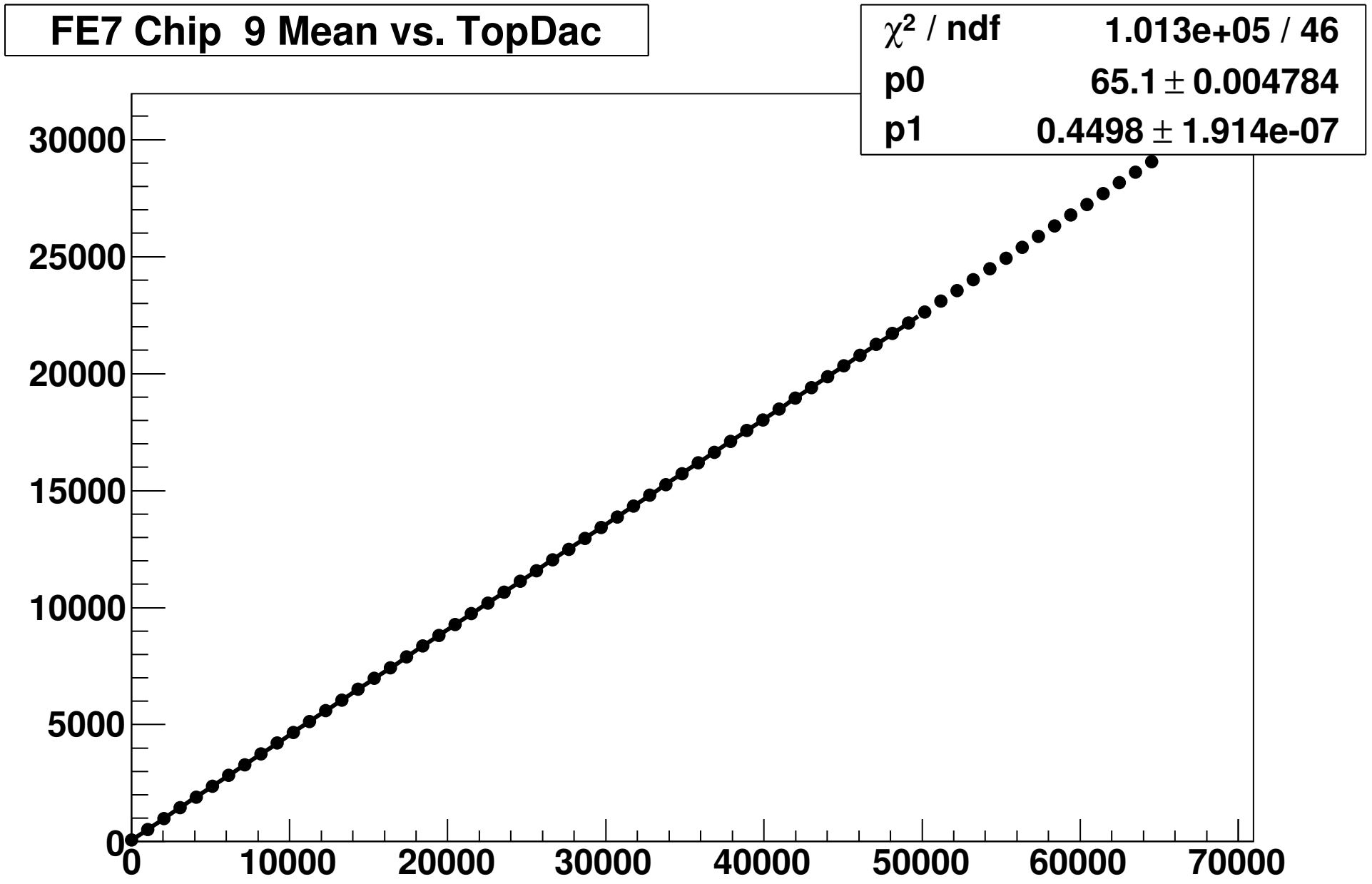

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 57.27 / 46
p0 1.489 ± 0.001603
p1 -1.018e-12 ± 1.704e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

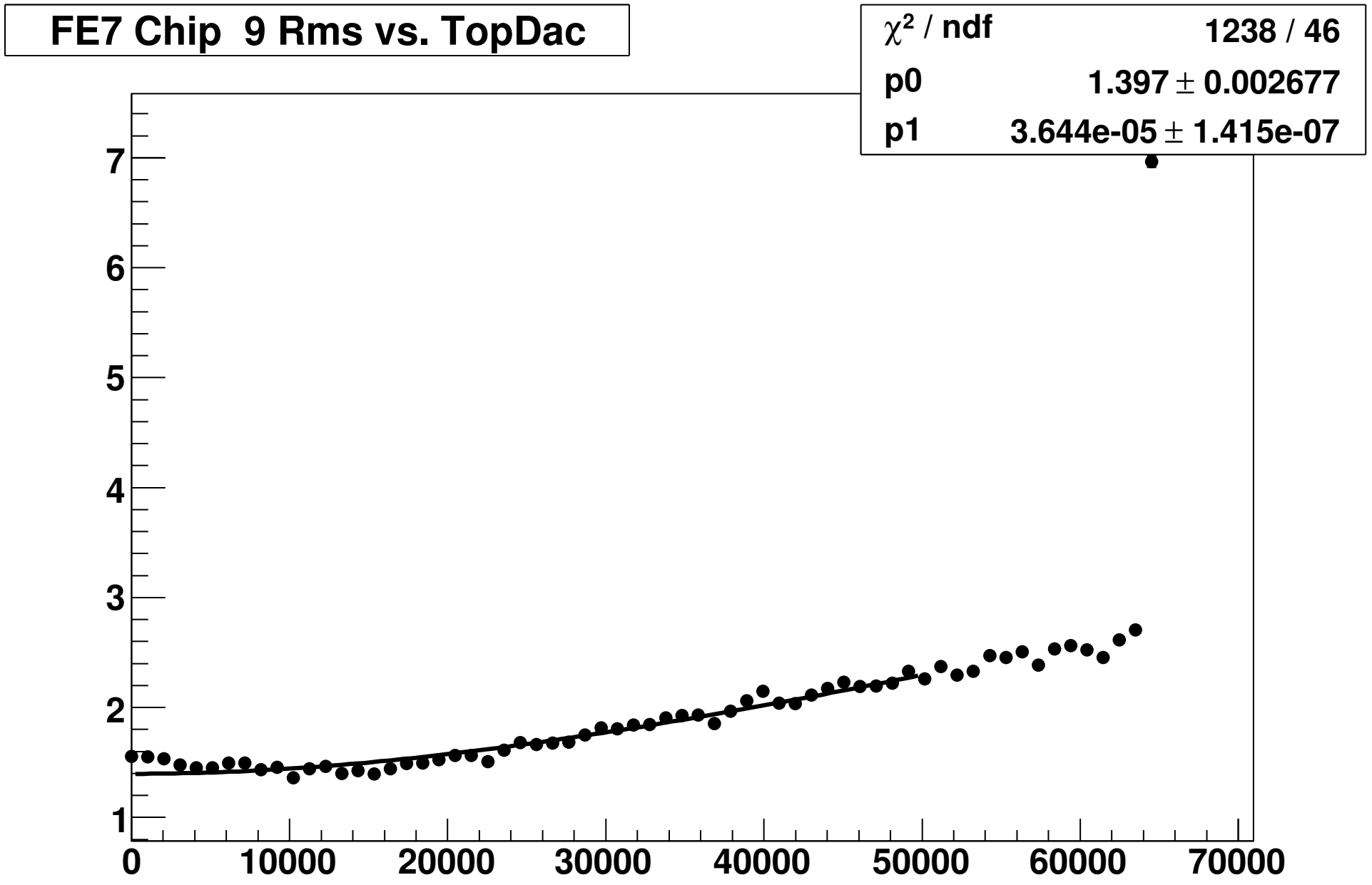

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 9.229e+04 / 46
p0 61.24 ± 0.004676
p1 0.4498 ± 1.879e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

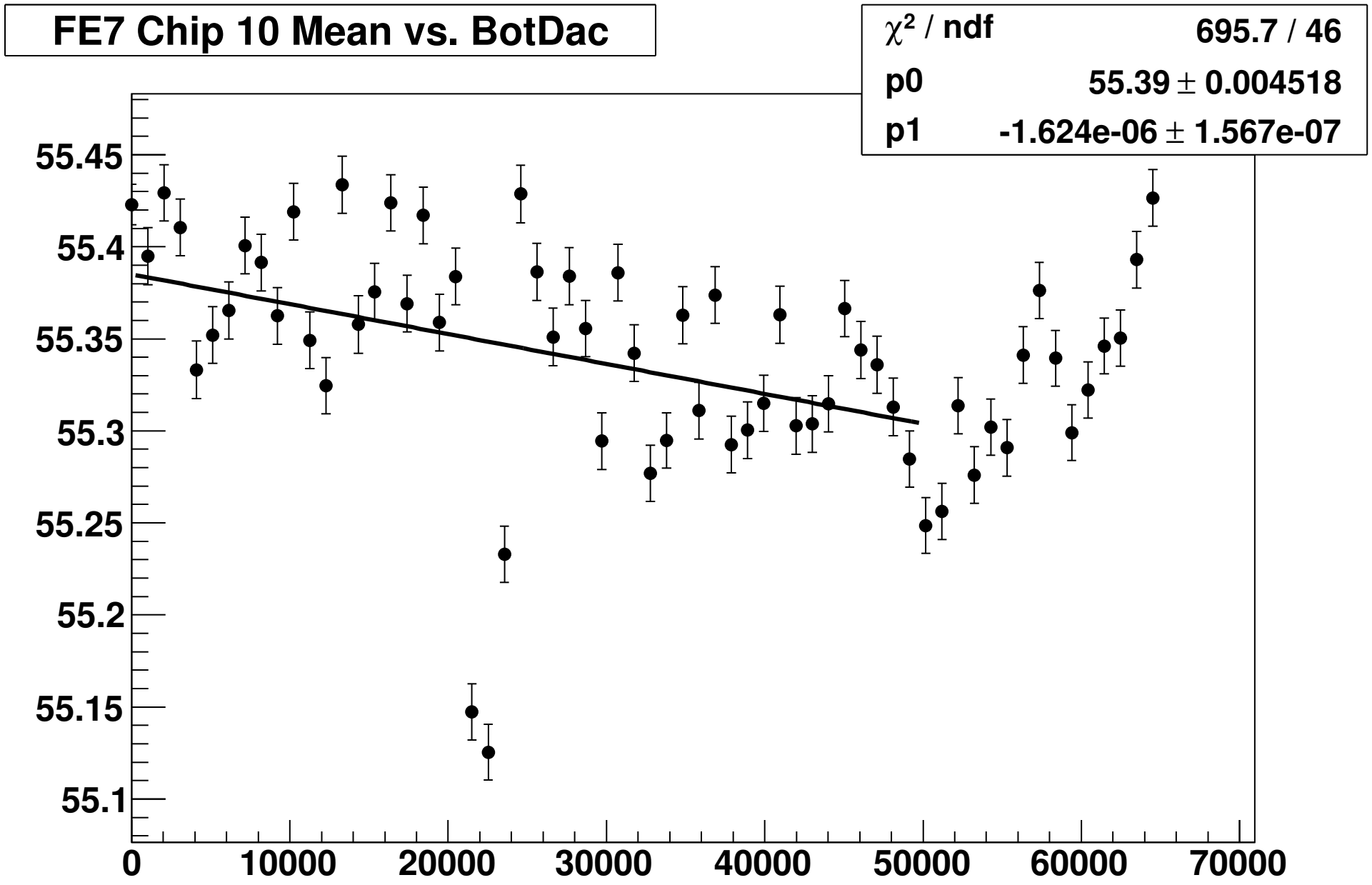

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 969.6 / 46
p0 1.368 ± 0.00263
p1 3.643e-05 ± 1.379e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

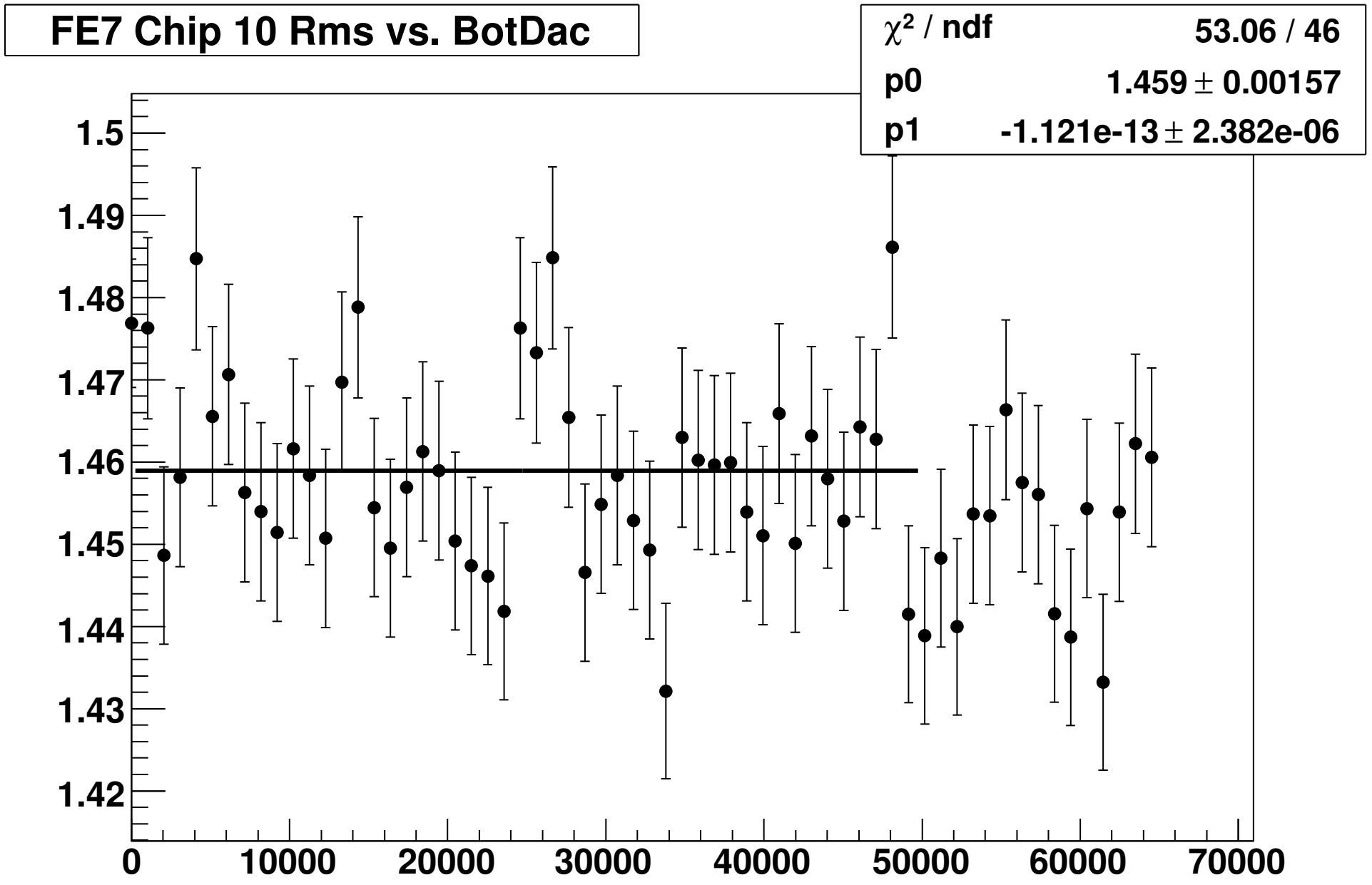

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 626.3 / 46
p0 63.44 ± 0.004593
p1 -1.288e-06 ± 1.594e-07
63.55
63.5
63.45
63.4
63.35
63.3
63.25
63.2
63.15
0
10000
20000
30000
40000
50000
60000
70000

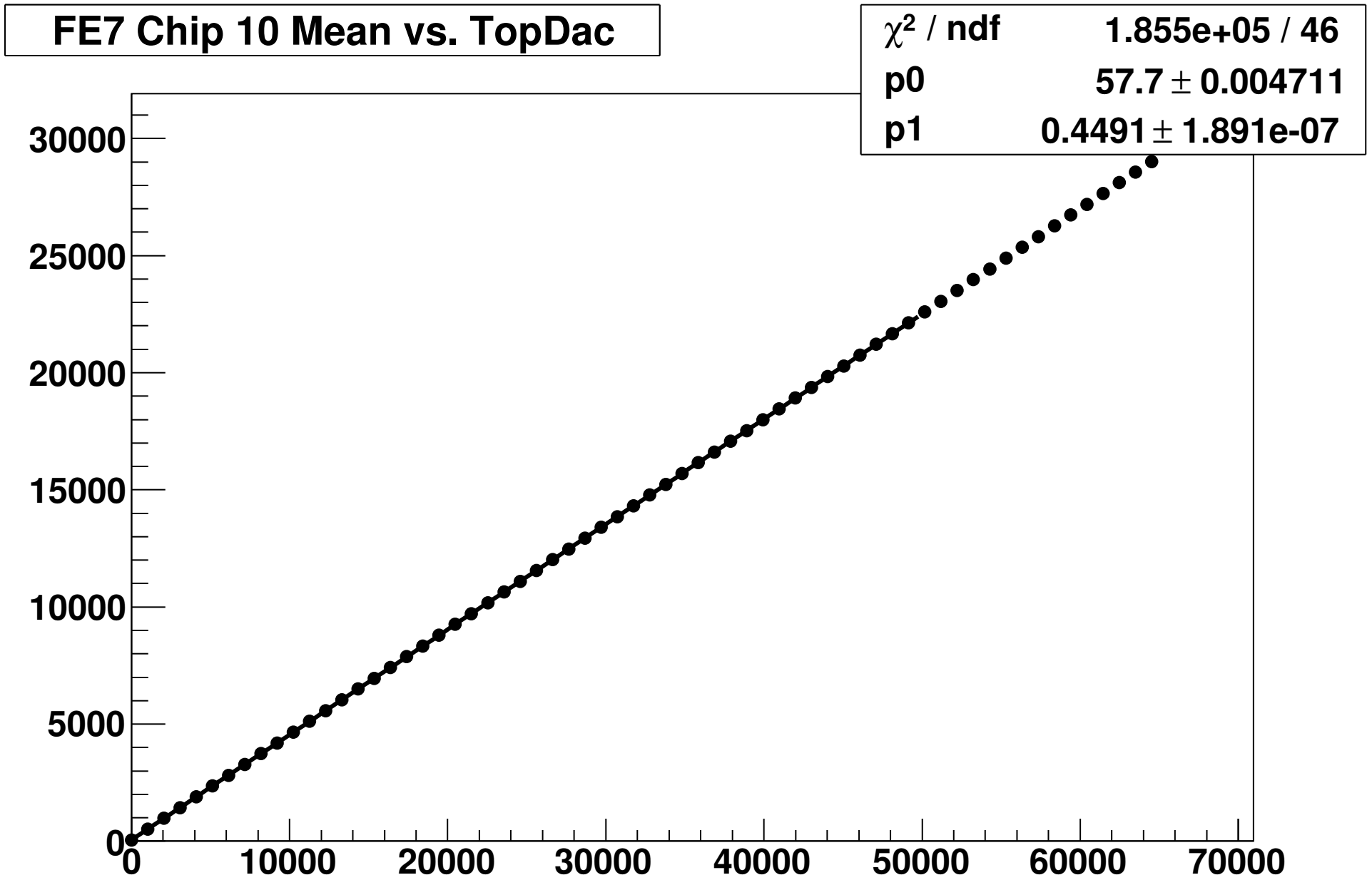

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 76.66 / 46
p0 1.484 ± 0.002466
p1 5.183e-07 ± 6.369e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

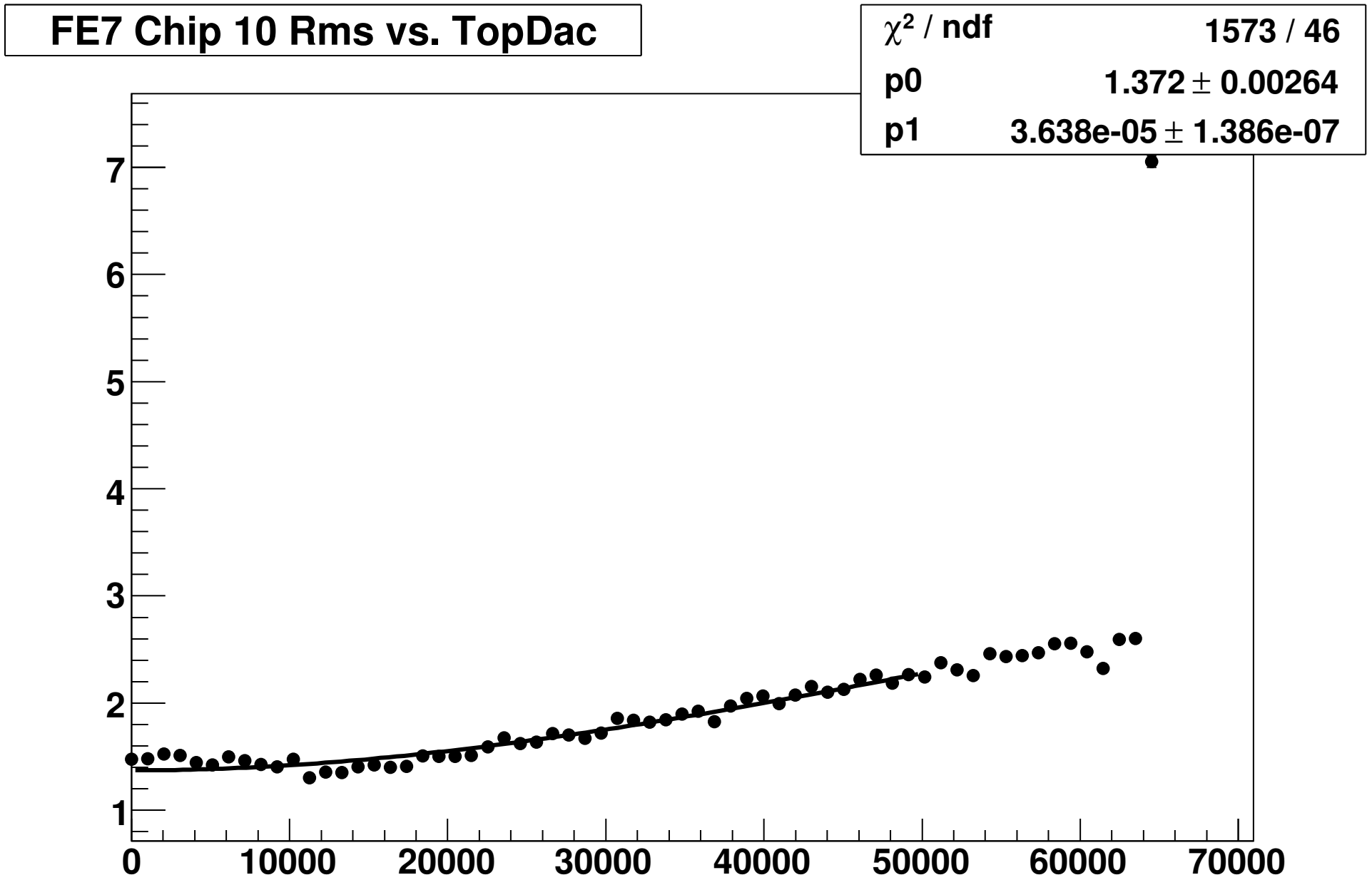

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.013e+05 / 46
p0 65.1 ± 0.004784
p1 0.4498 ± 1.914e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

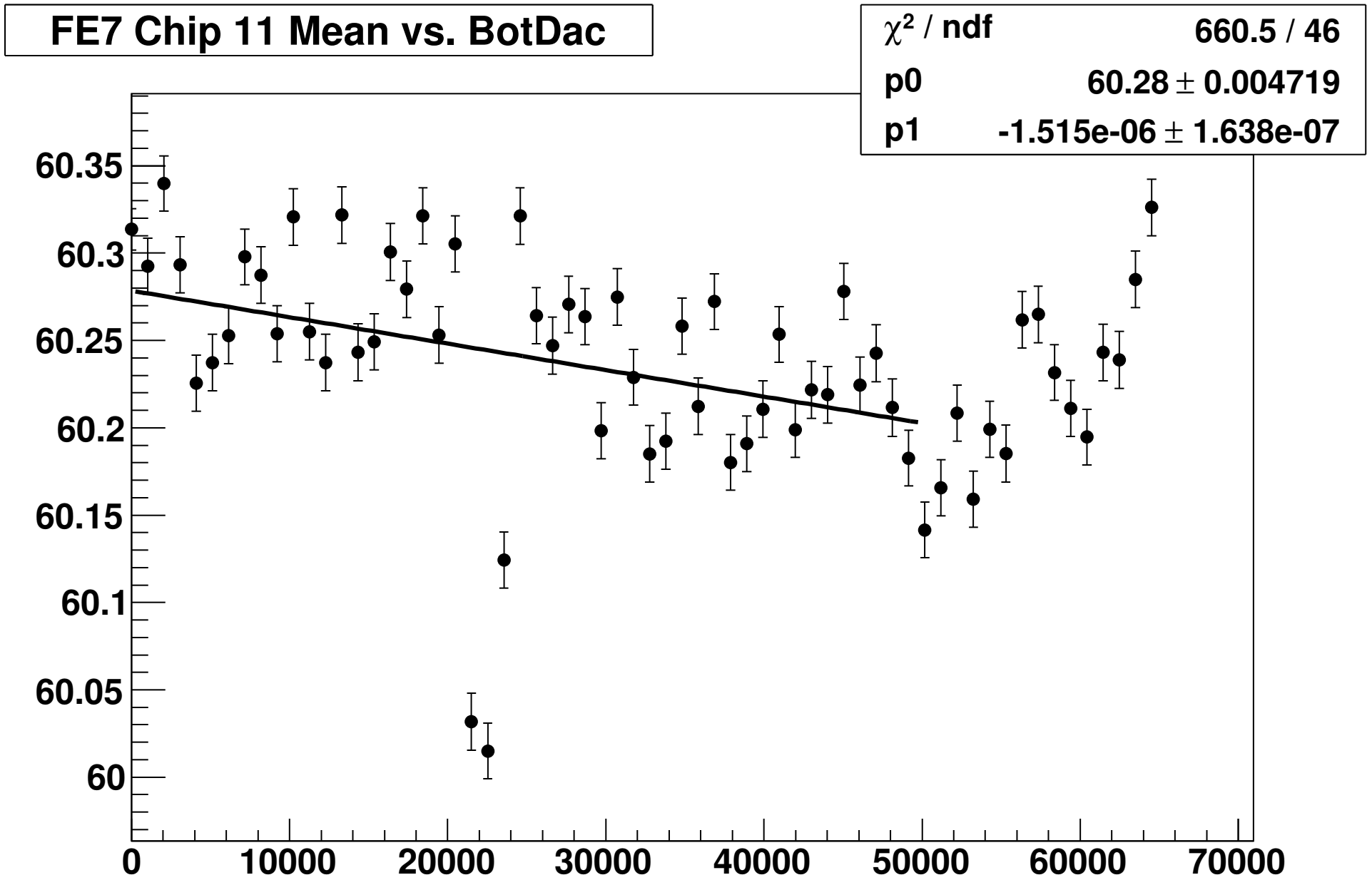

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1238 / 46
p0 1.397 ± 0.002677
p1 3.644e-05 ± 1.415e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

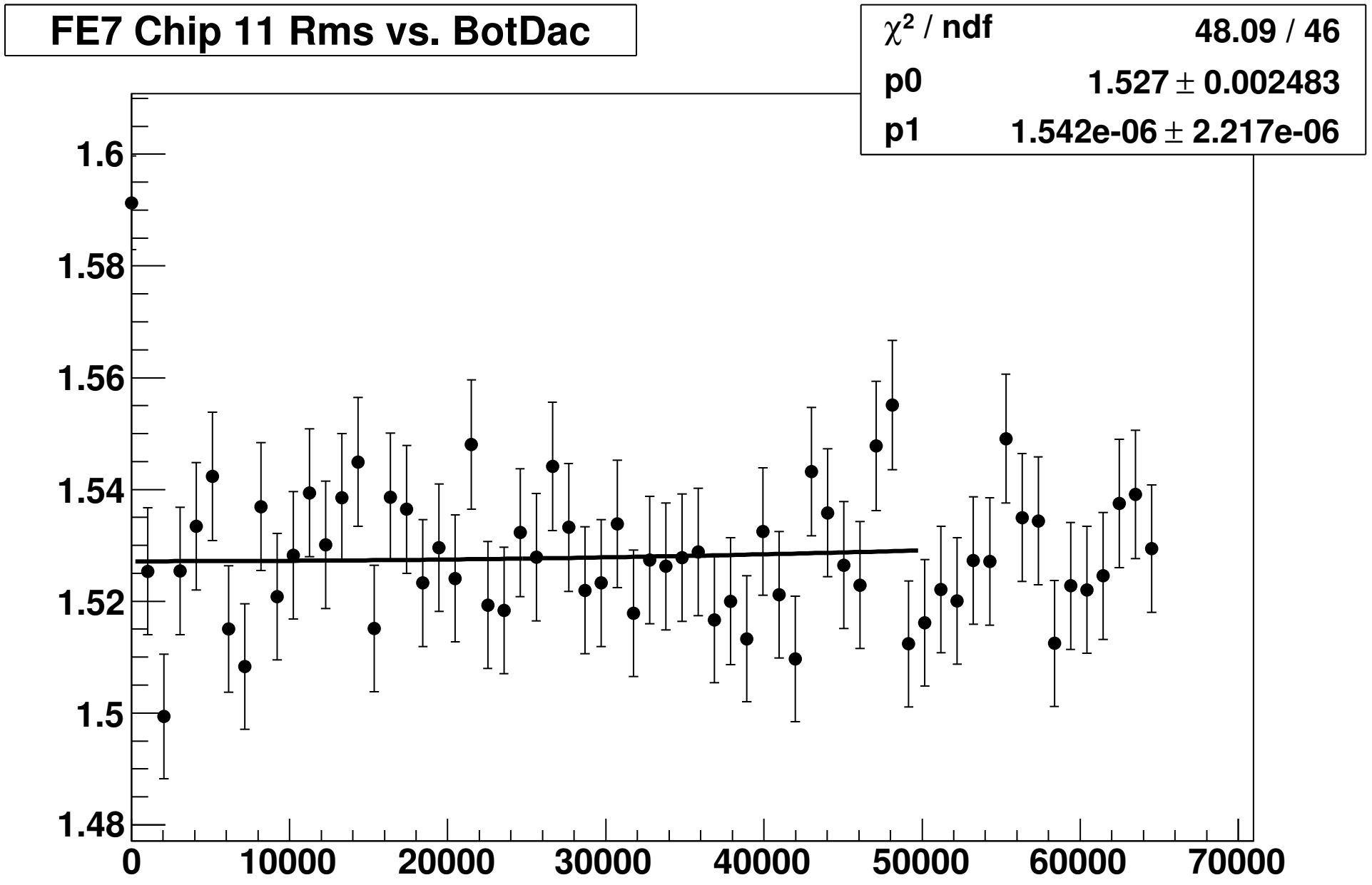

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 695.7 / 46
p0 55.39 ± 0.004518
p1 -1.624e-06 ± 1.567e-07
55.45
55.4
55.35
55.3
55.25
55.2
55.15
55.1
0
10000
20000
30000
40000
50000
60000
70000

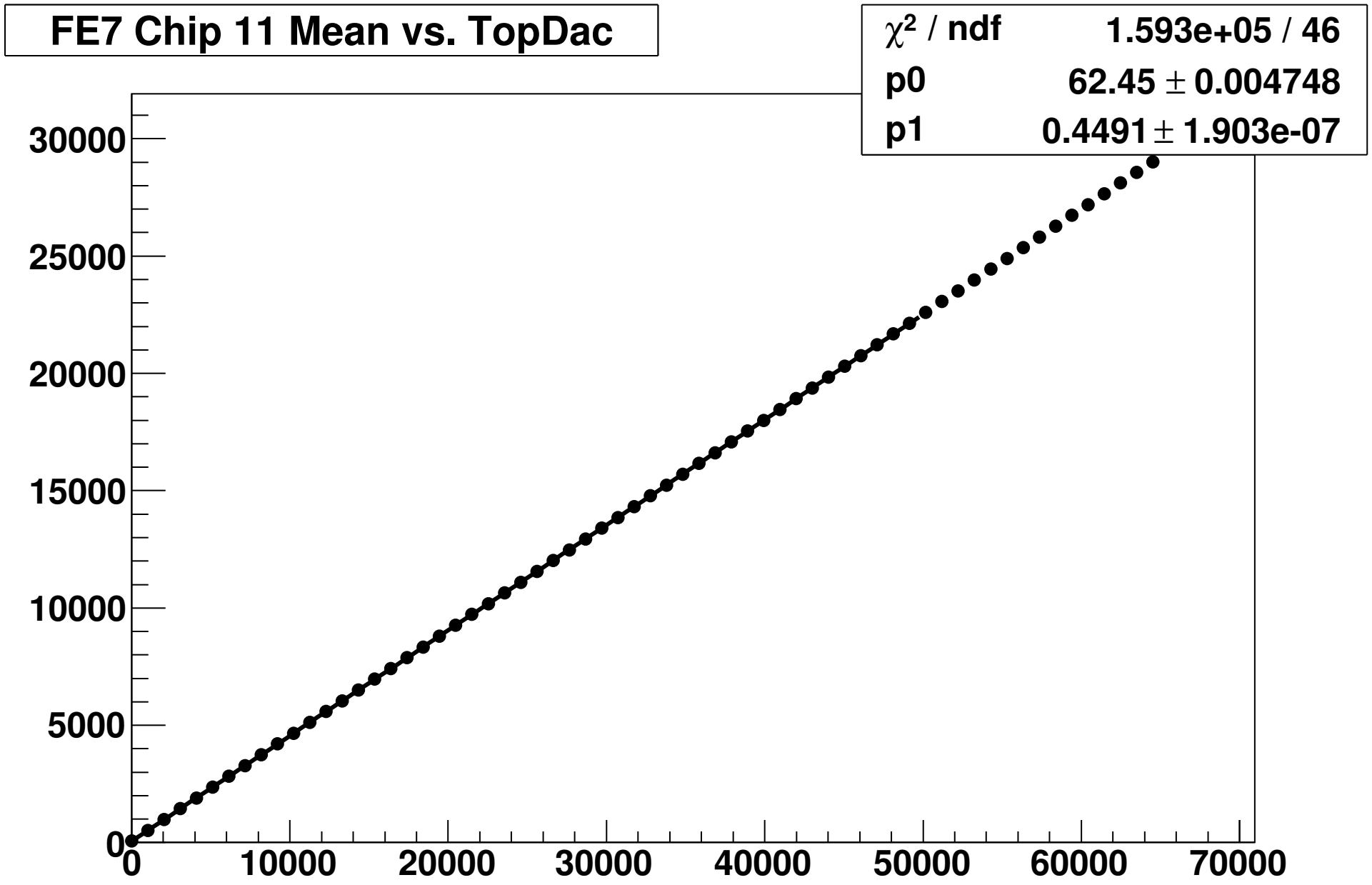

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 53.06 / 46
p0 1.459 ± 0.00157
p1 -1.121e-13 ± 2.382e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

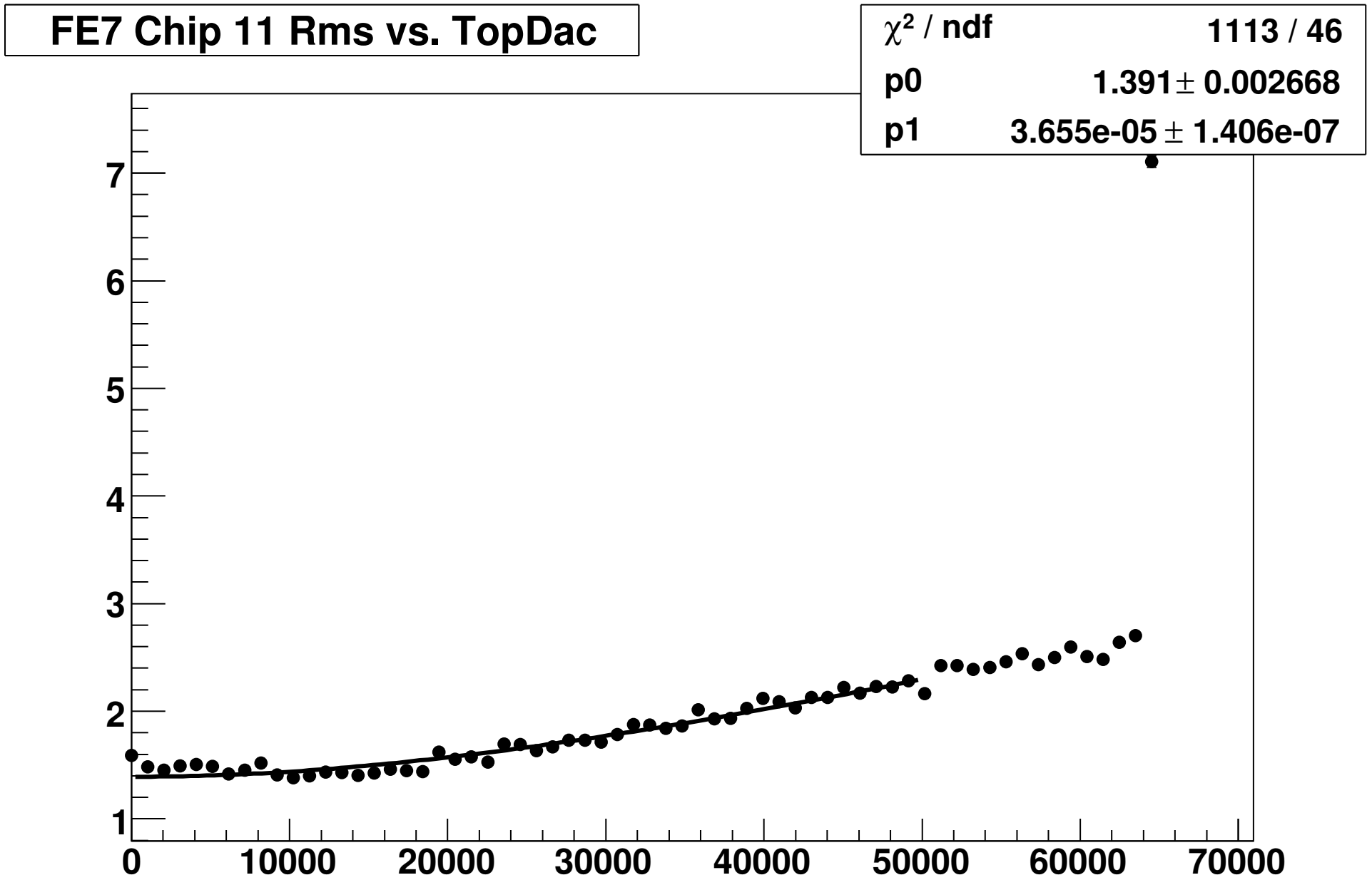

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.855e+05 / 46
p0 57.7 ± 0.004711
p1 0.4491 ± 1.891e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

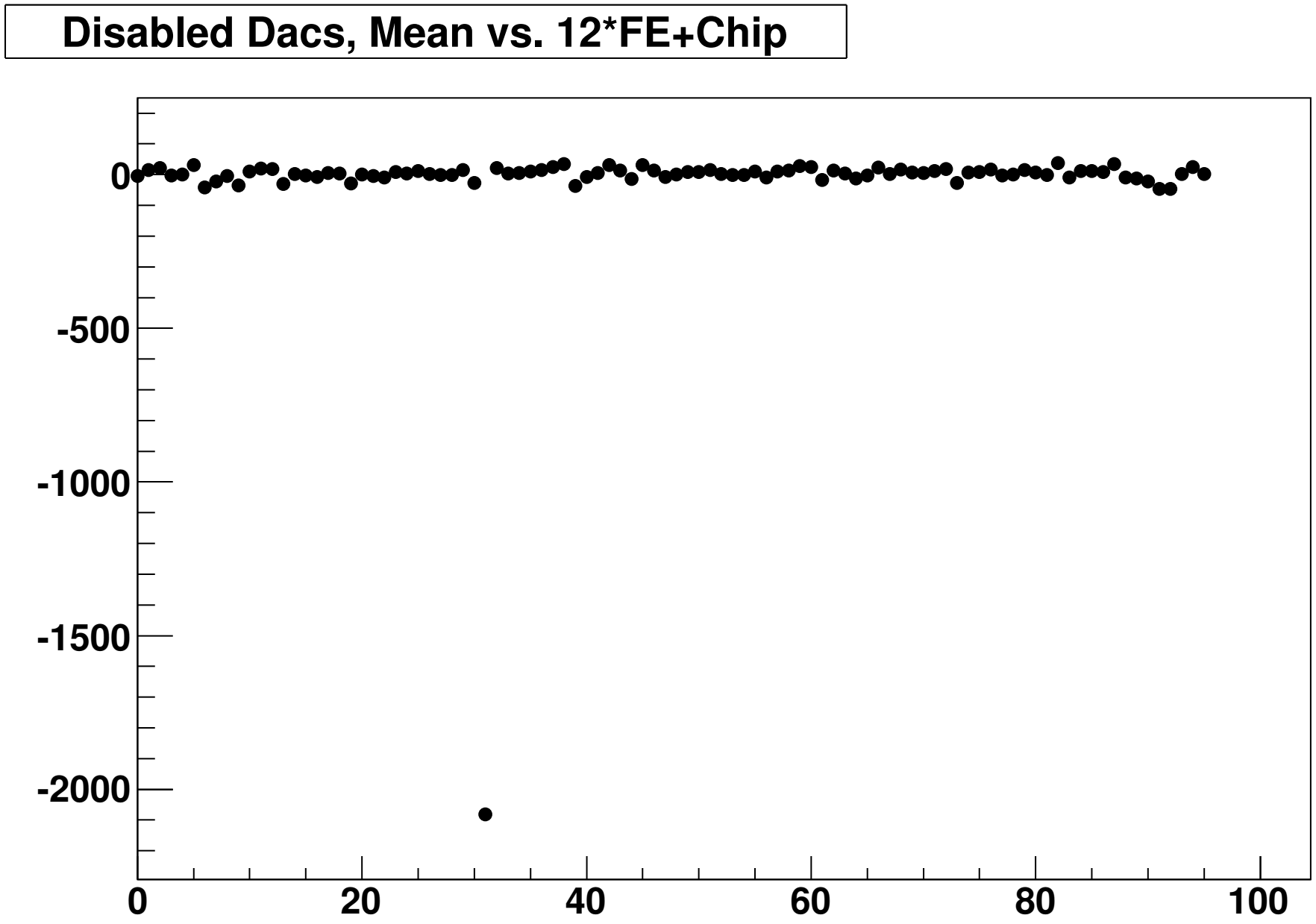

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 1573 / 46
p0 1.372 ± 0.00264
p1 3.638e-05 ± 1.386e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

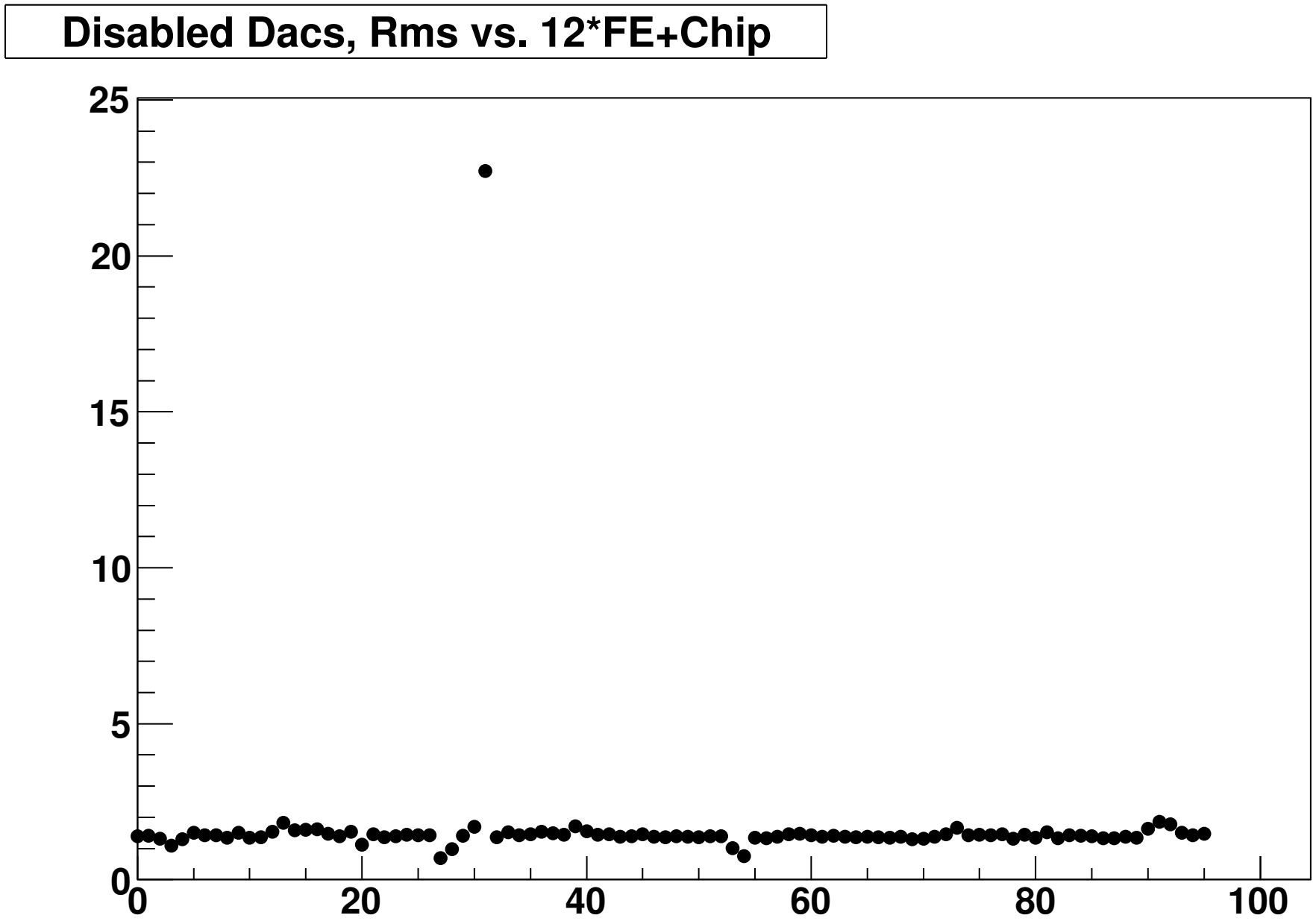

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 660.5 / 46
p0 60.28 ± 0.004719
p1 -1.515e-06 ± 1.638e-07
60.35
60.3
60.25
60.2
60.15
60.1
60.05
60
0
10000
20000
30000
40000
50000
60000
70000

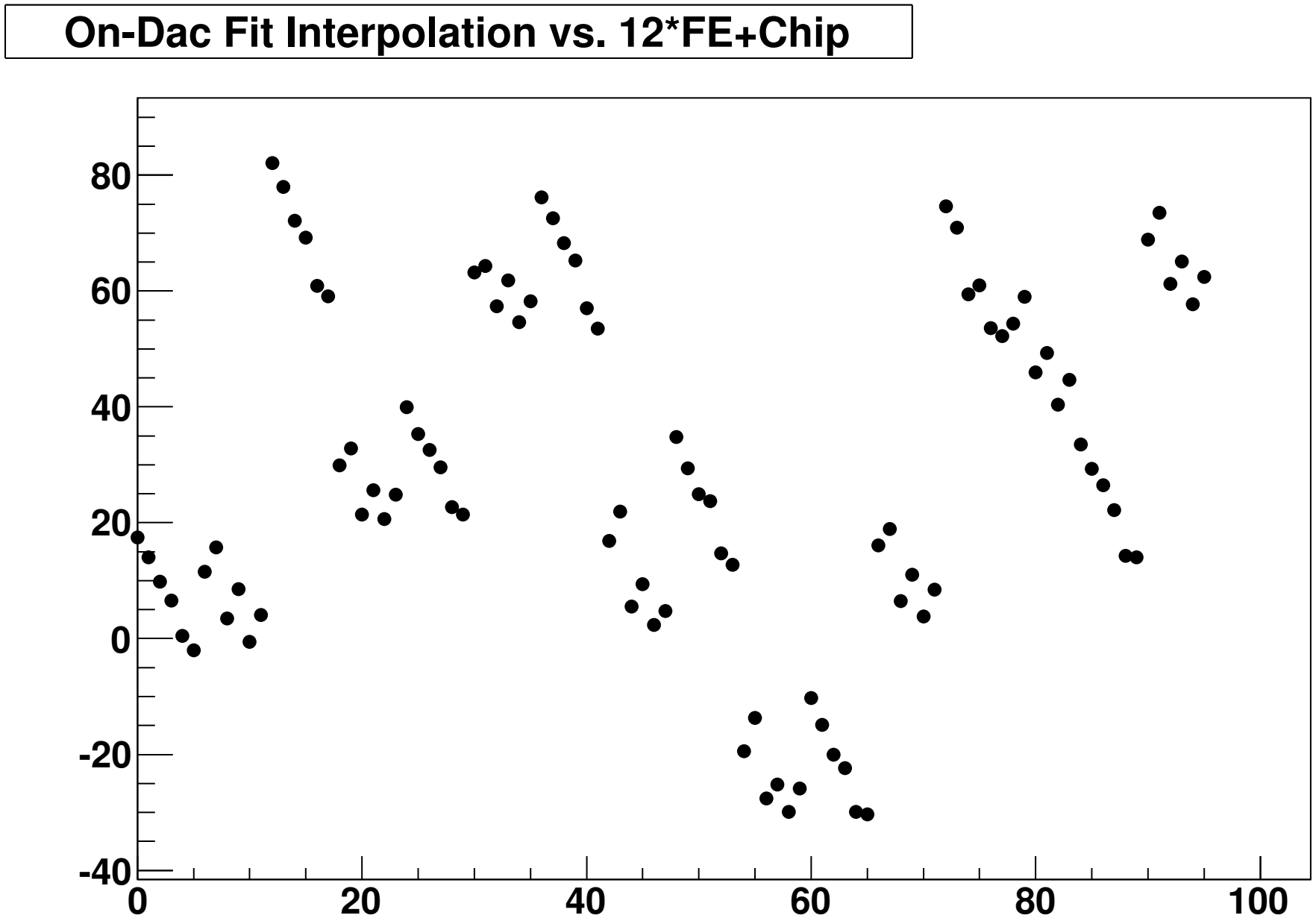

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 48.09 / 46
p0 1.527 ± 0.002483
p1 1.542e-06 ± 2.217e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

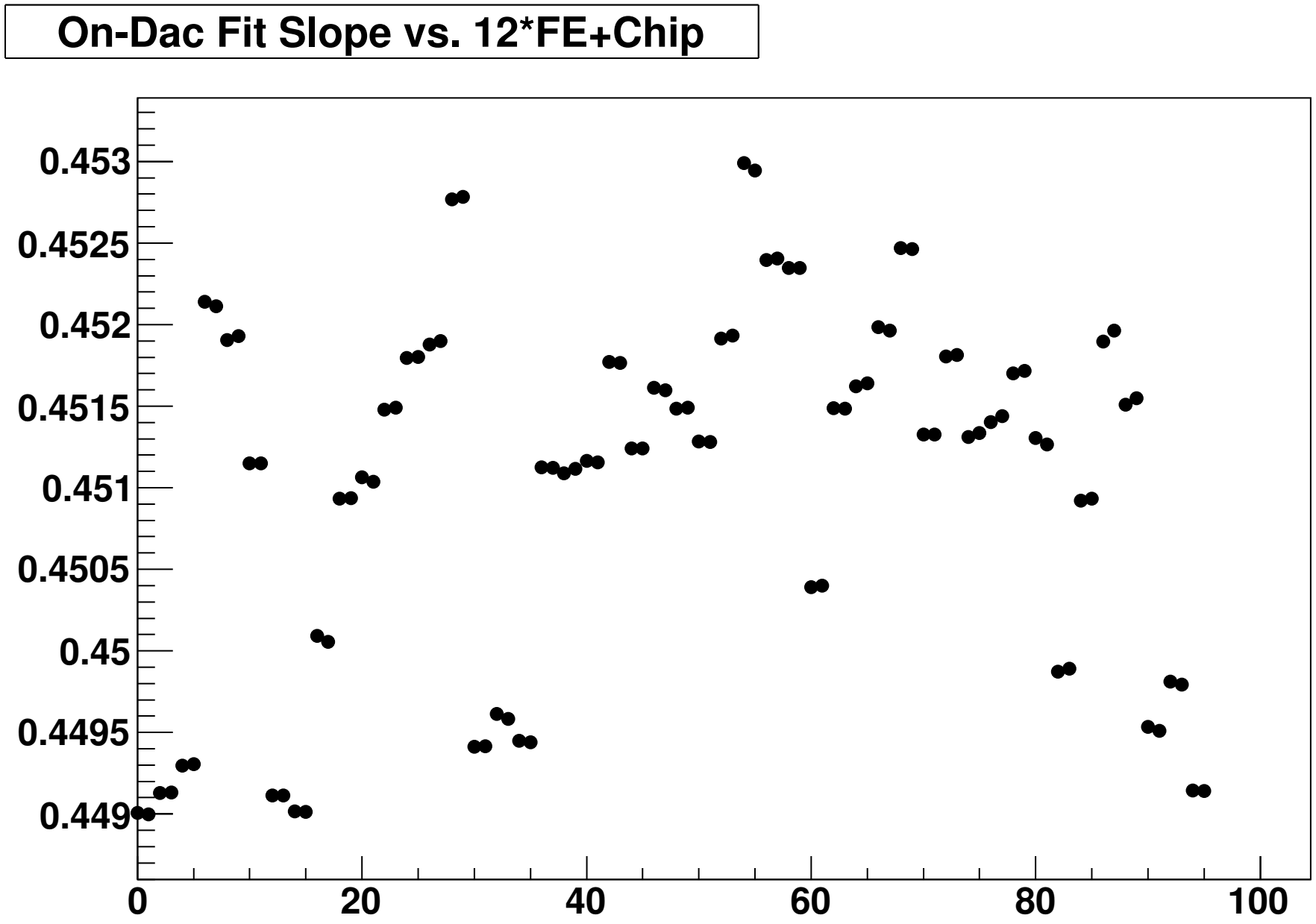

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.593e+05 / 46
p0 62.45 ± 0.004748
p1 0.4491 ± 1.903e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

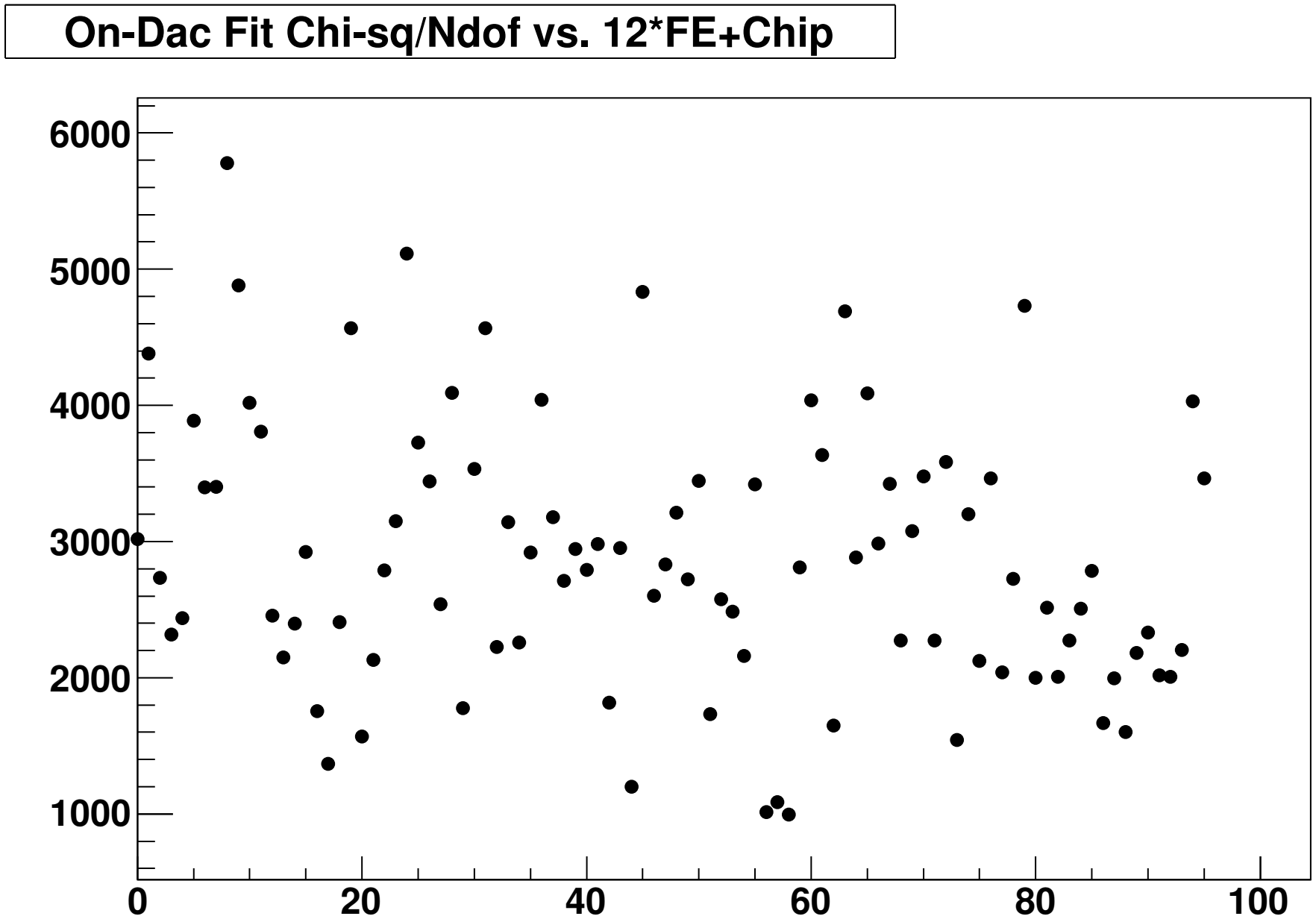

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1113 / 46
p0 1.391 ± 0.002668
p1 3.655e-05 ± 1.406e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

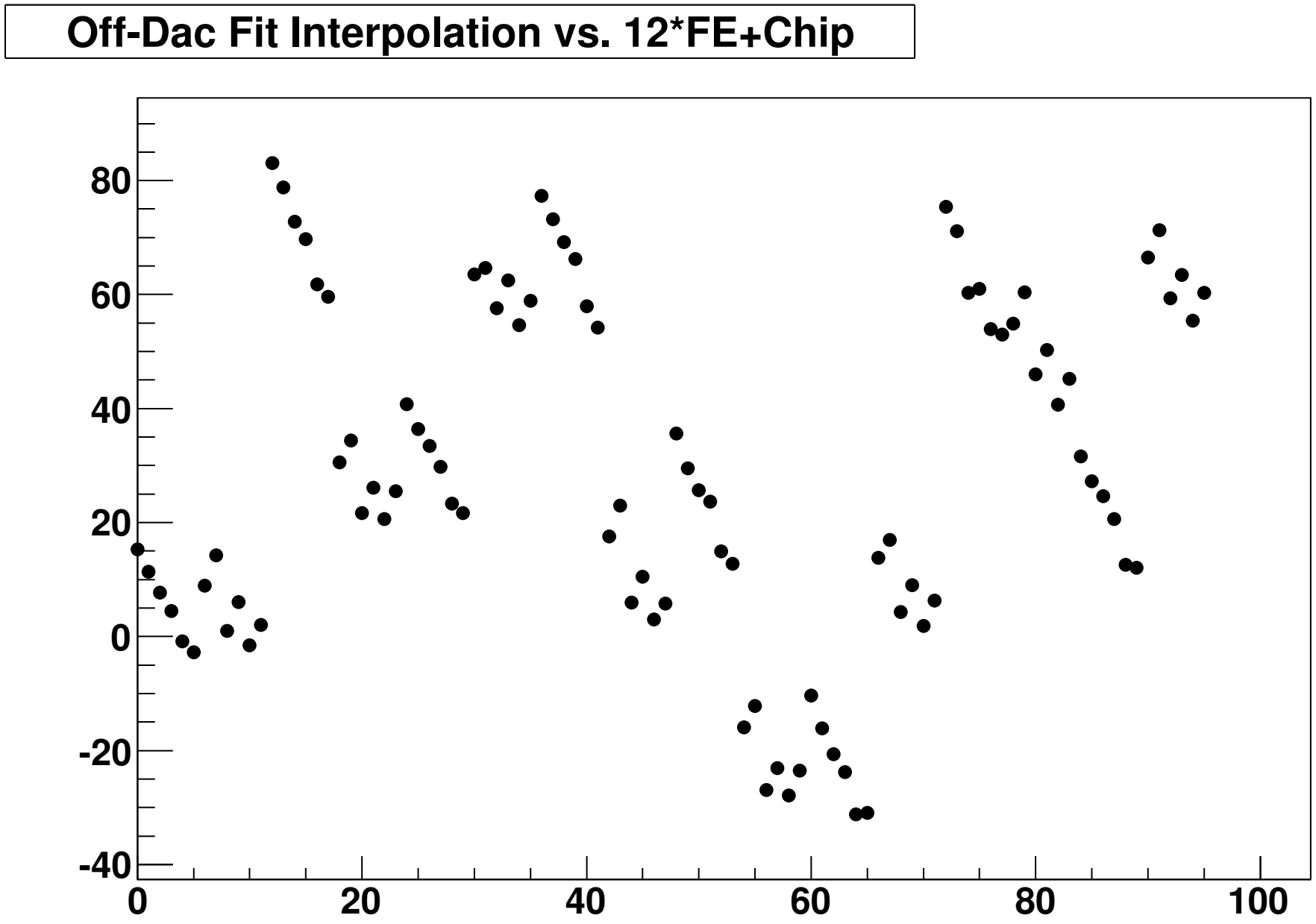

Disabled Dacs, Mean vs. 12*FE+Chip
0
-500
-1000
-1500
-2000
0
20
40
60
80
100

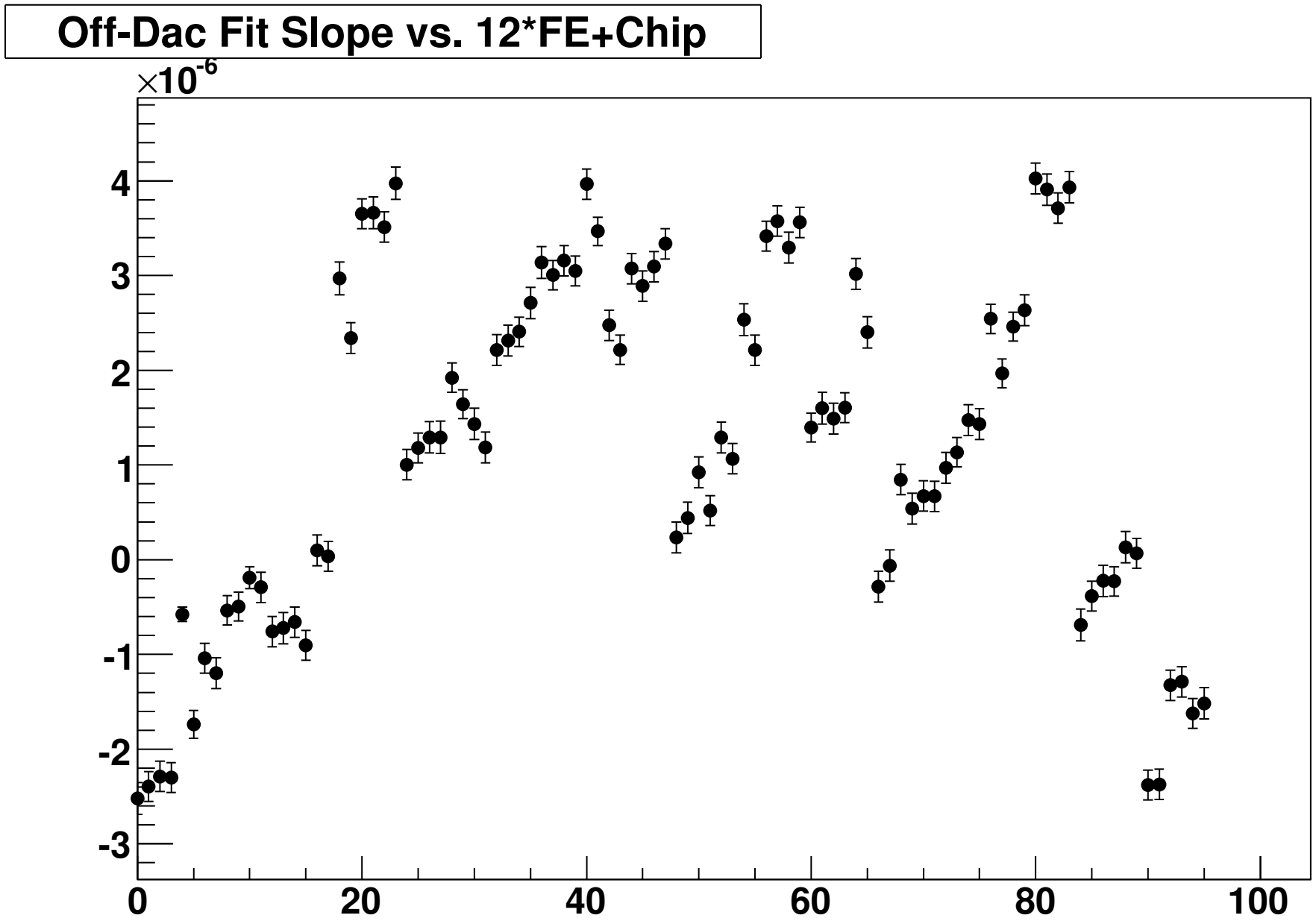

Disabled Dacs, Rms vs. 12*FE+Chip
25
20
15
10
5
0
0
20
40
60
80
100

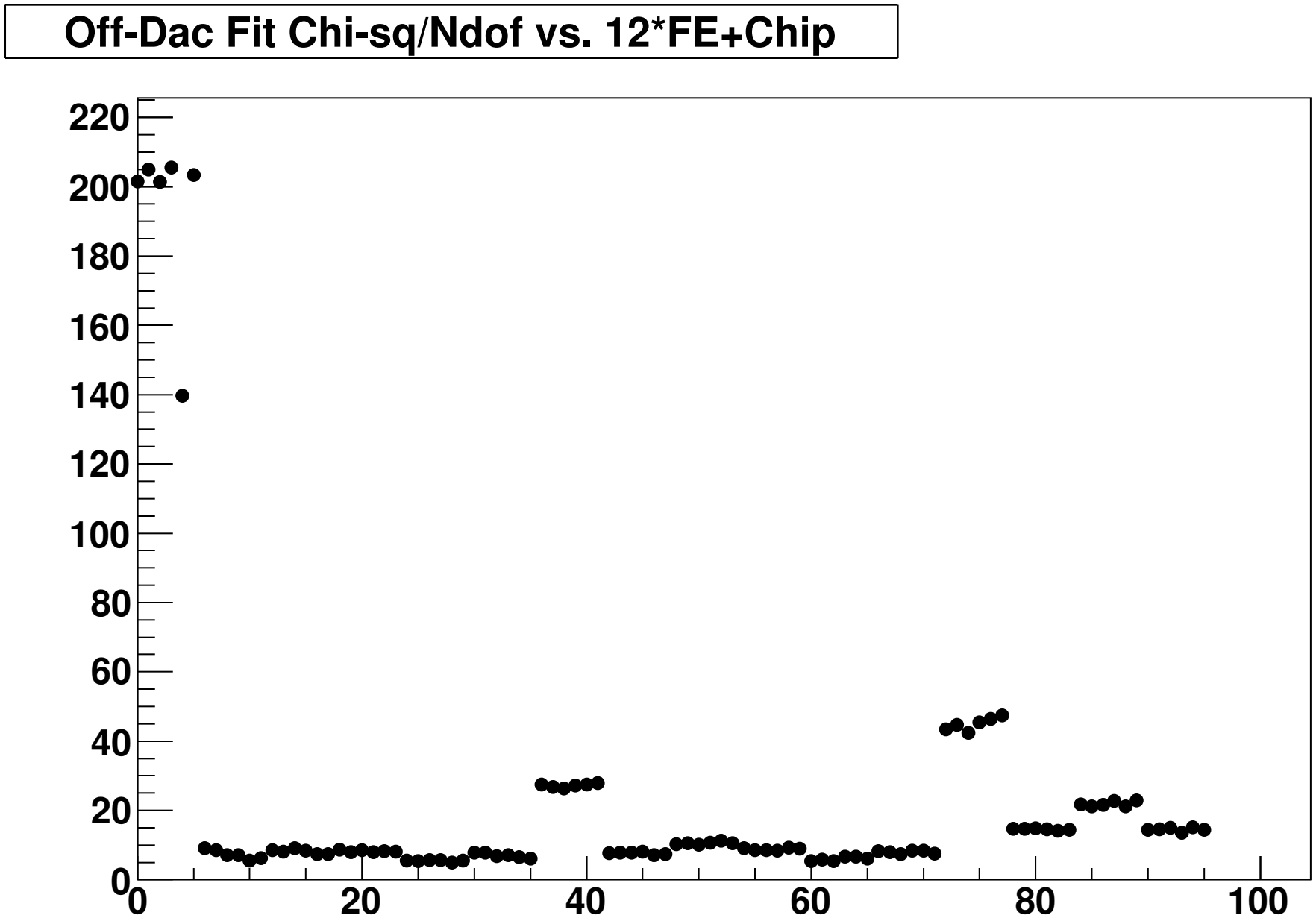

On-Dac Fit Interpolation vs. 12*FE+Chip
80
60
40
20
0
-20
-40
0
20
40
60
80
100

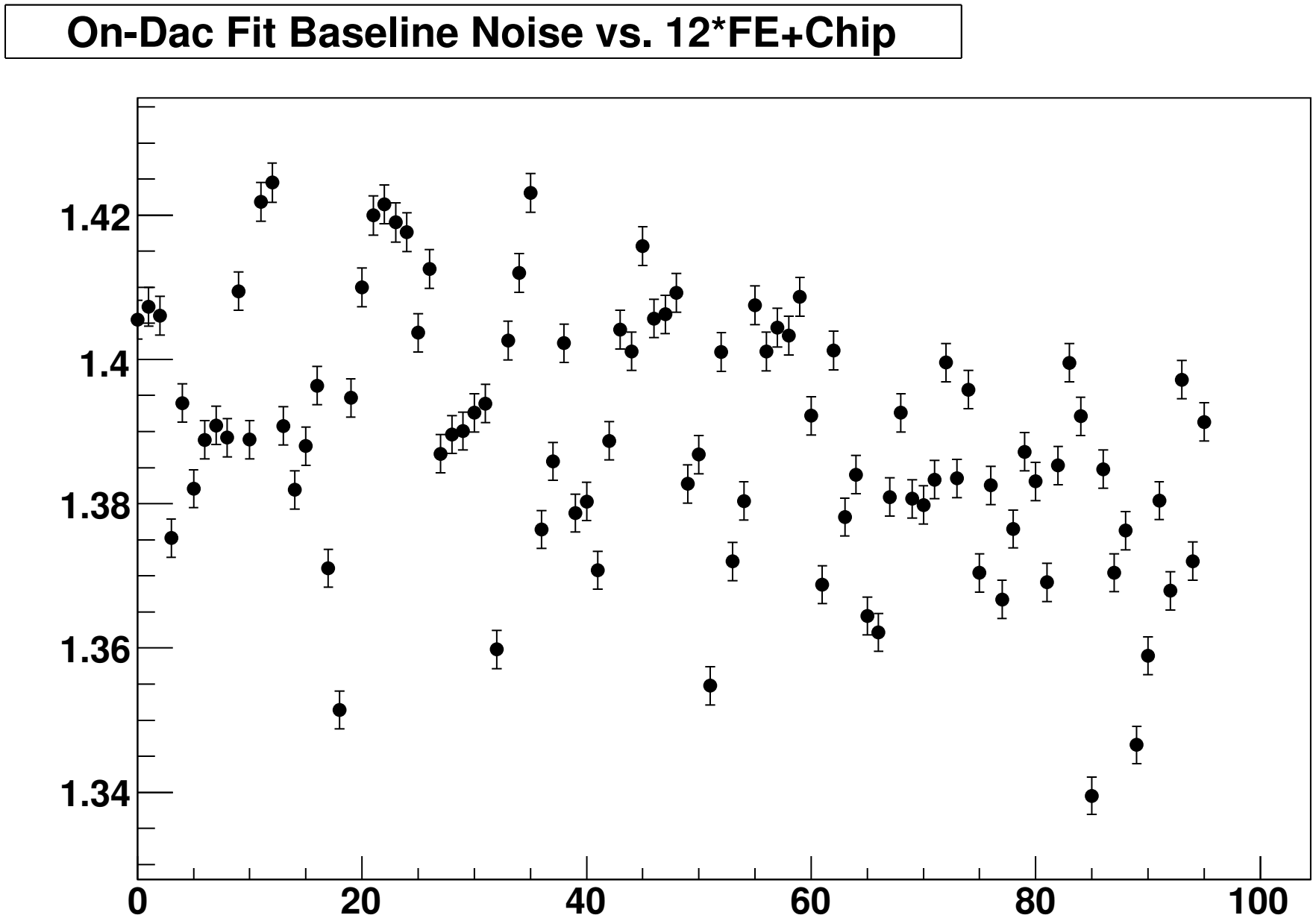

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0
20
40
60
80
100

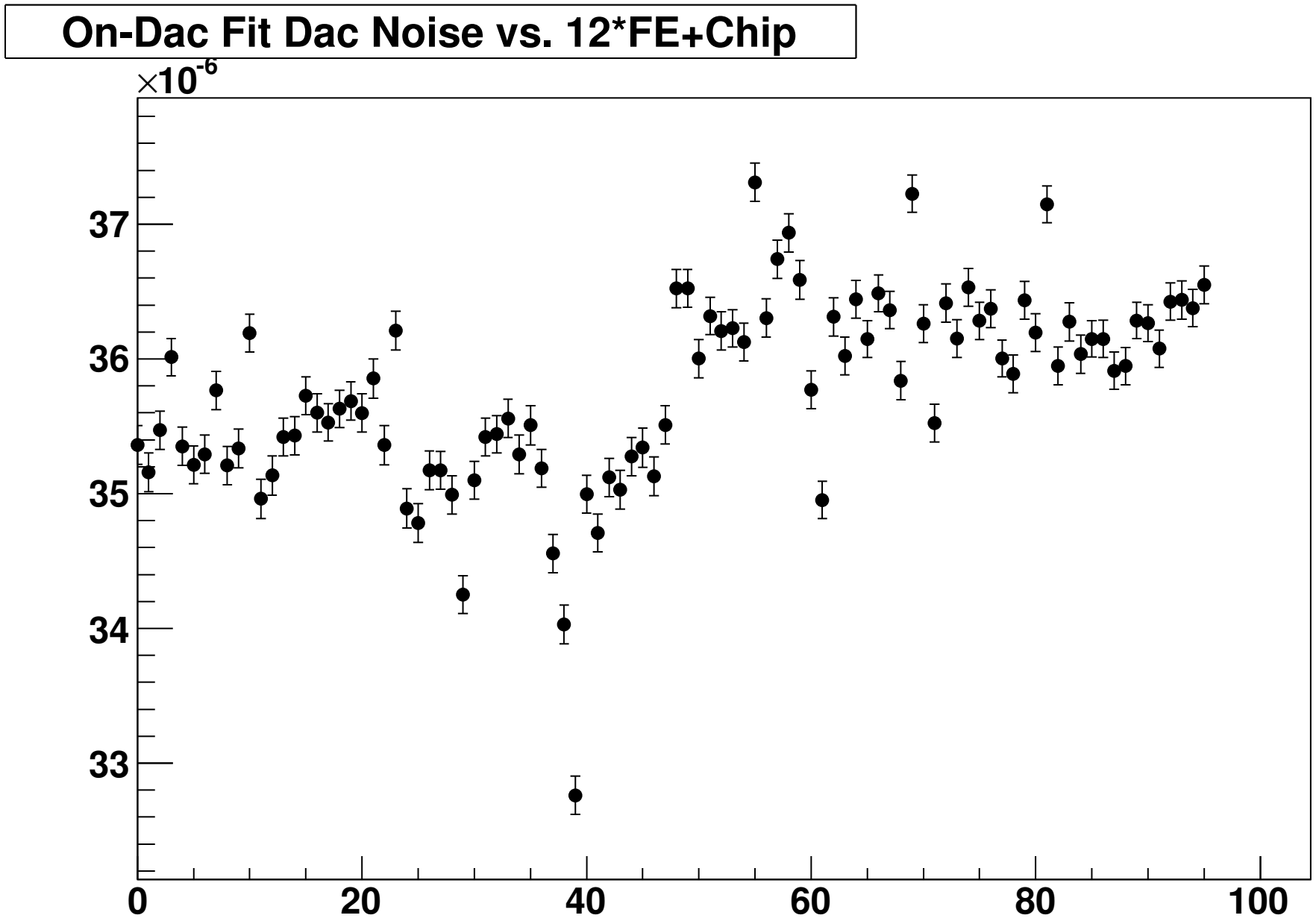

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

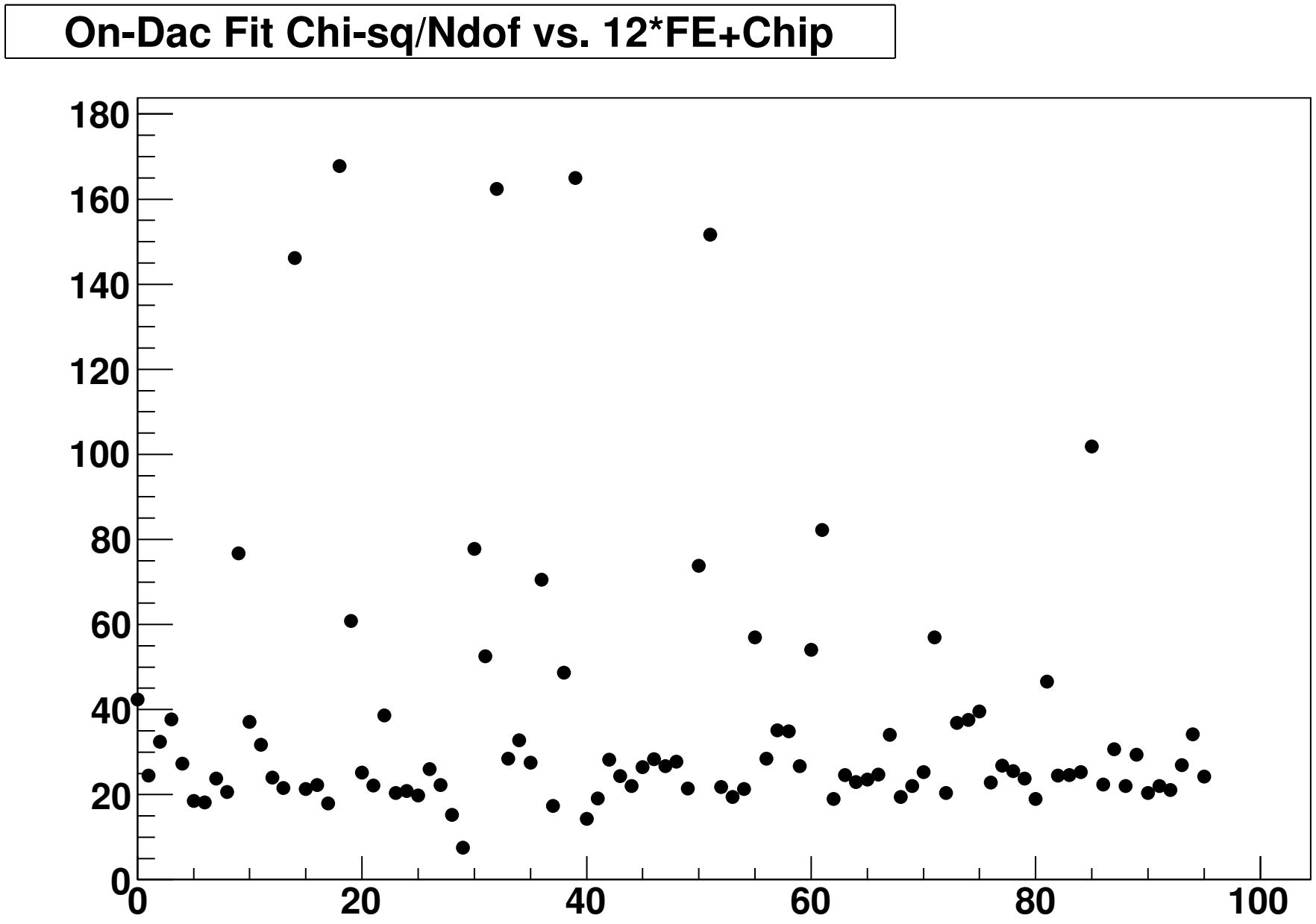

Off-Dac Fit Interpolation vs. 12*FE+Chip
80
60
40
20
0
-20
-40
0
20
40
60
80
100

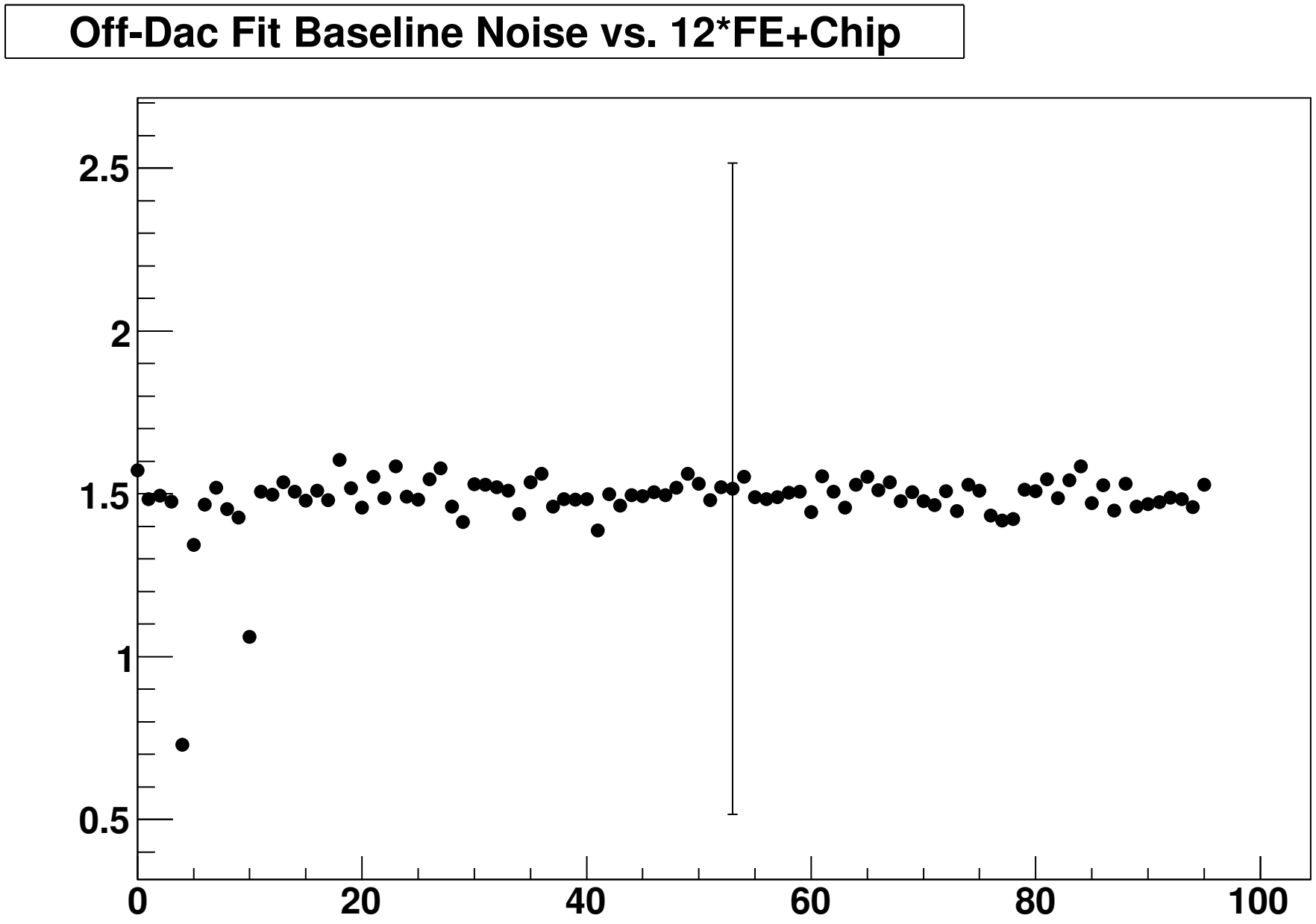

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
4
3
2
1
0
-1
-2
-3
0
20
40
60
80
100

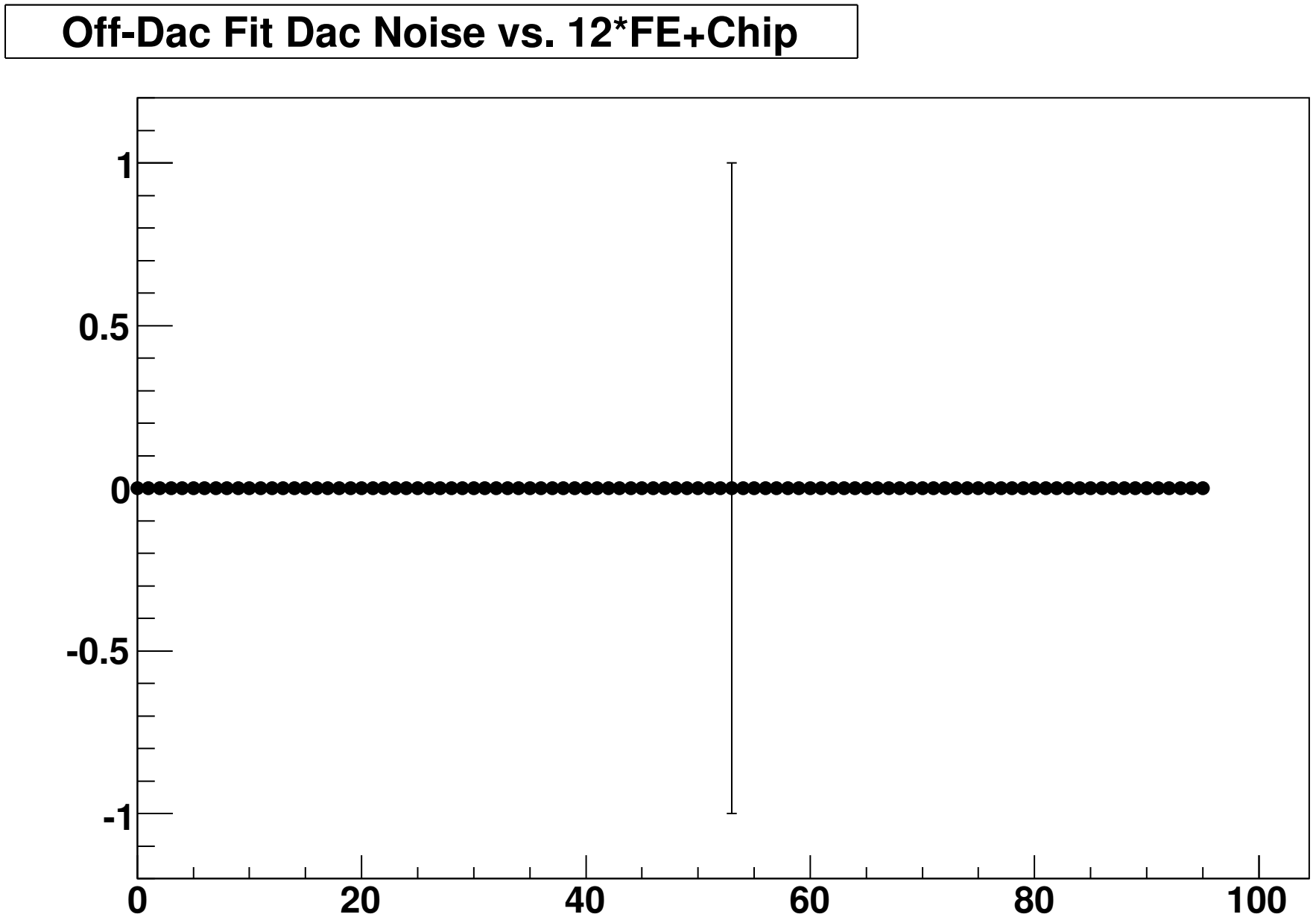

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
220
200
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

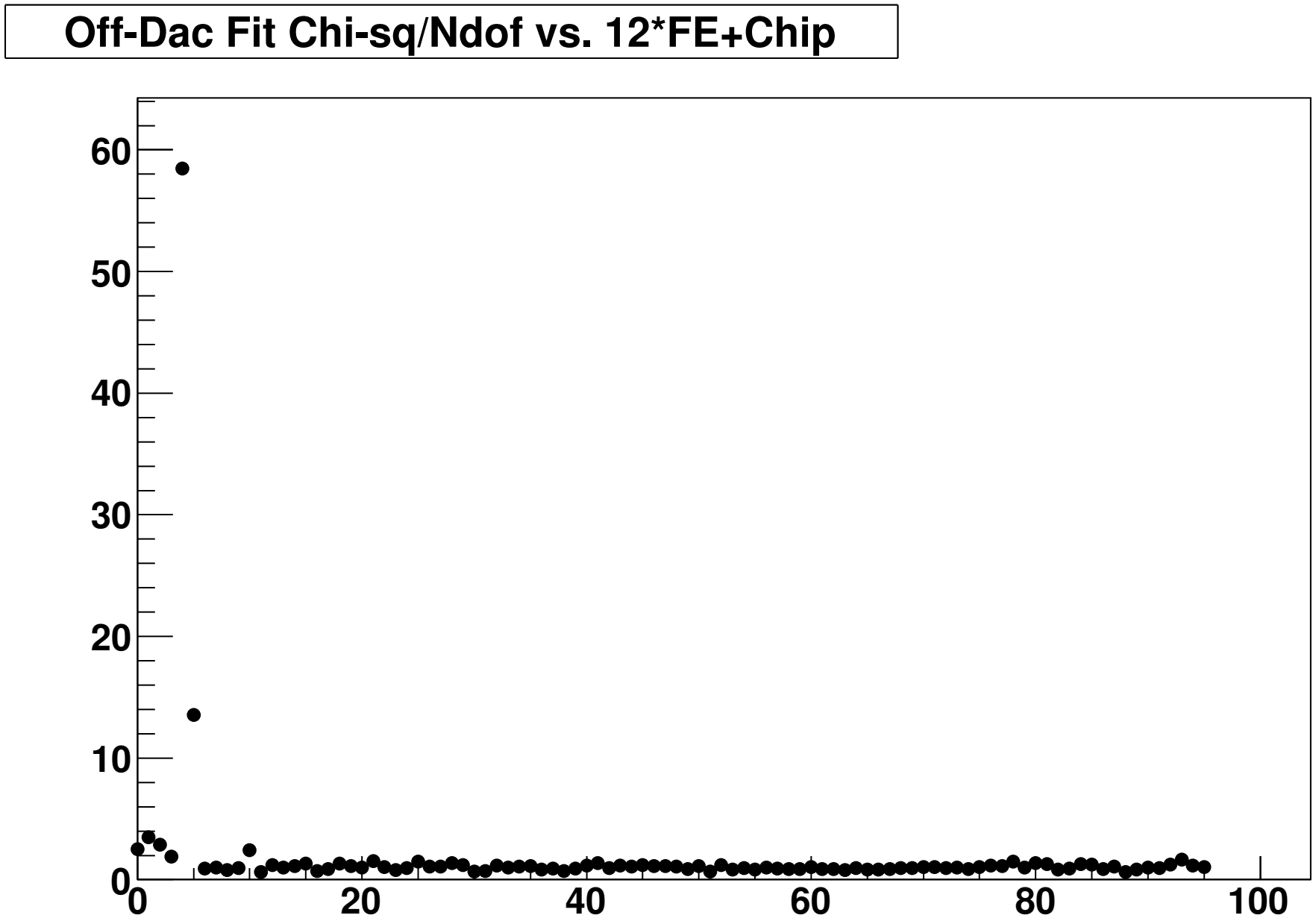

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
0
20
40
60
80
100

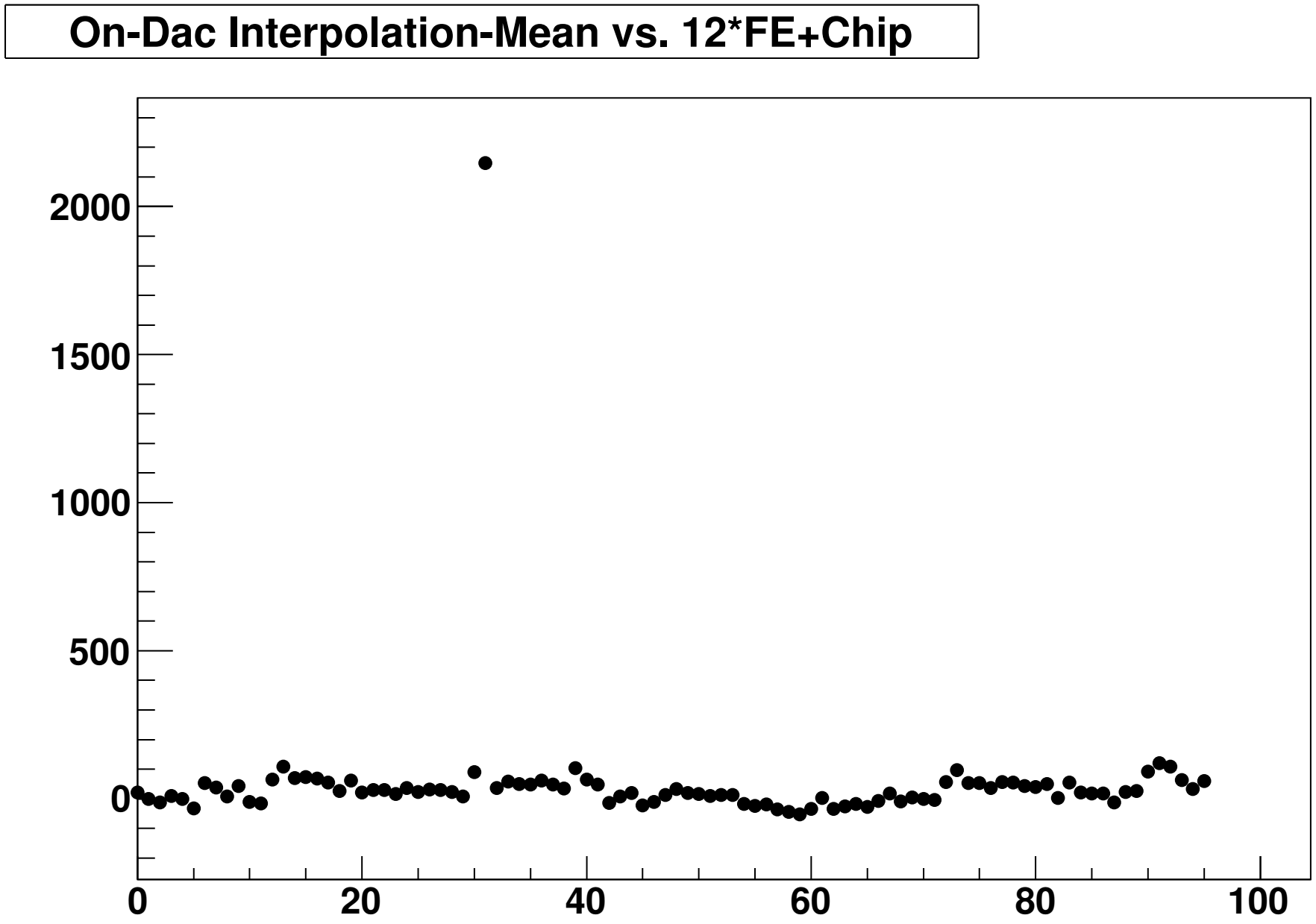

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
37
36
35
34
33
0
20
40
60
80
100

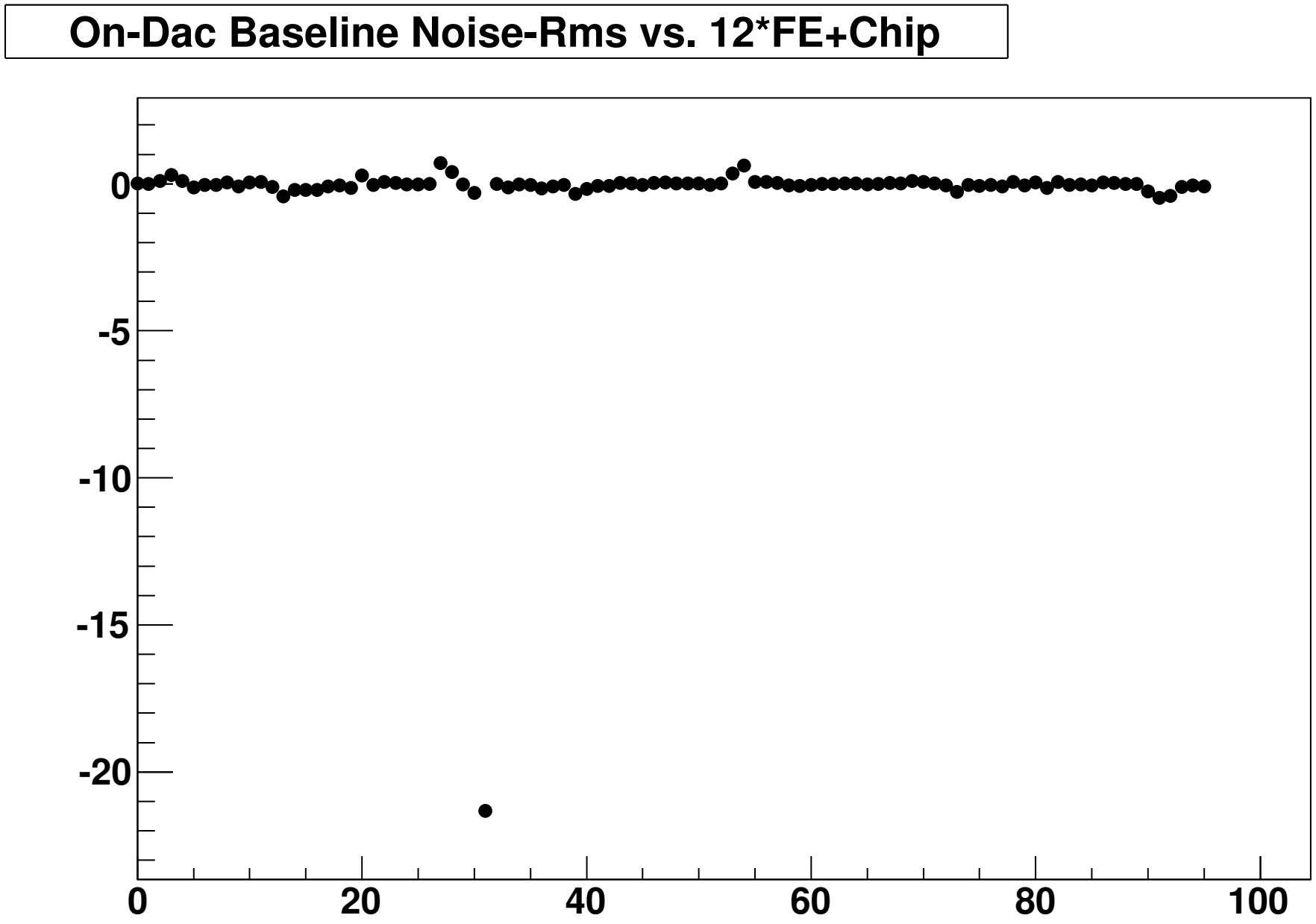

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

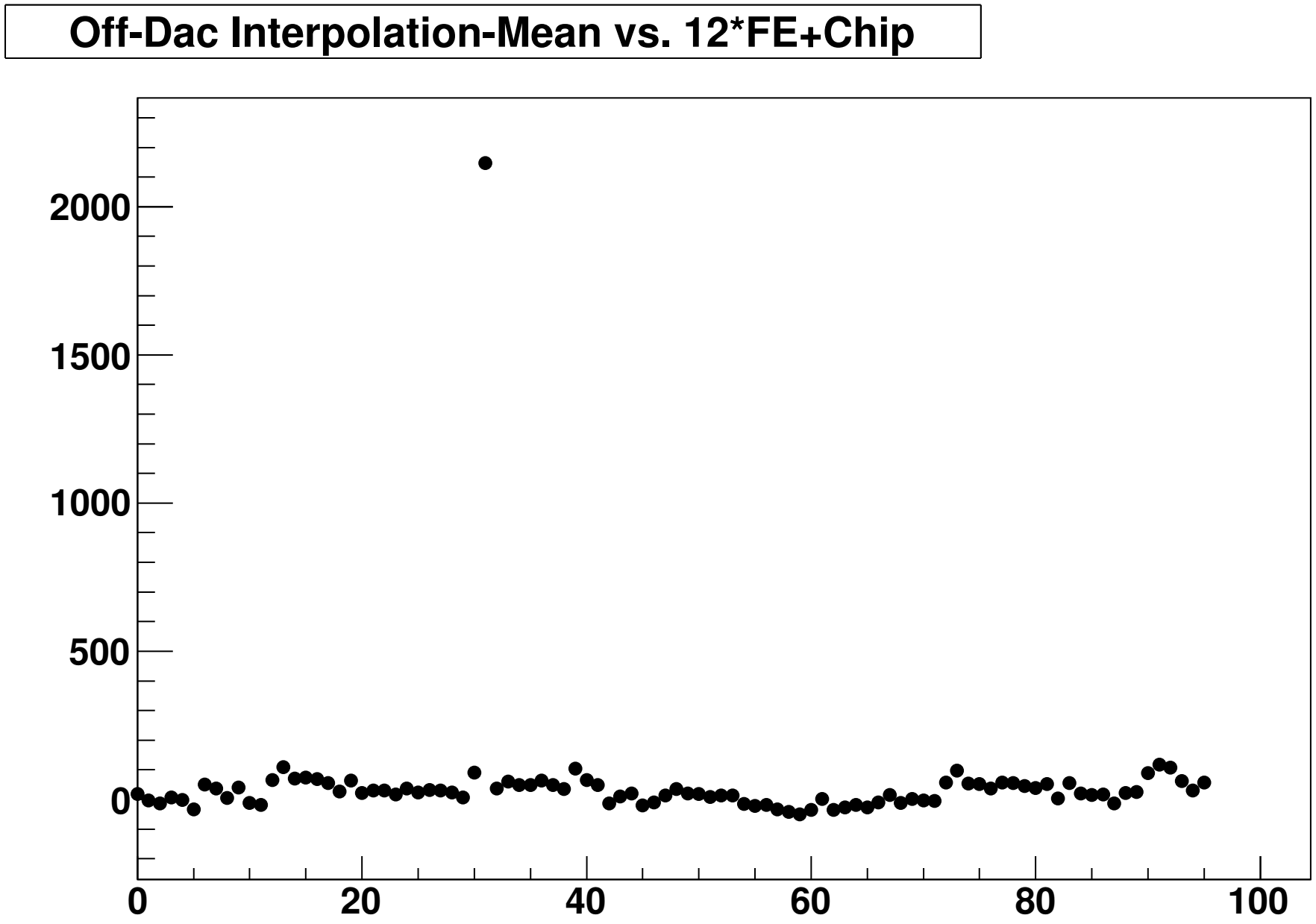

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
2.5
2
1.5
1
0.5
0
20
40
60
80
100

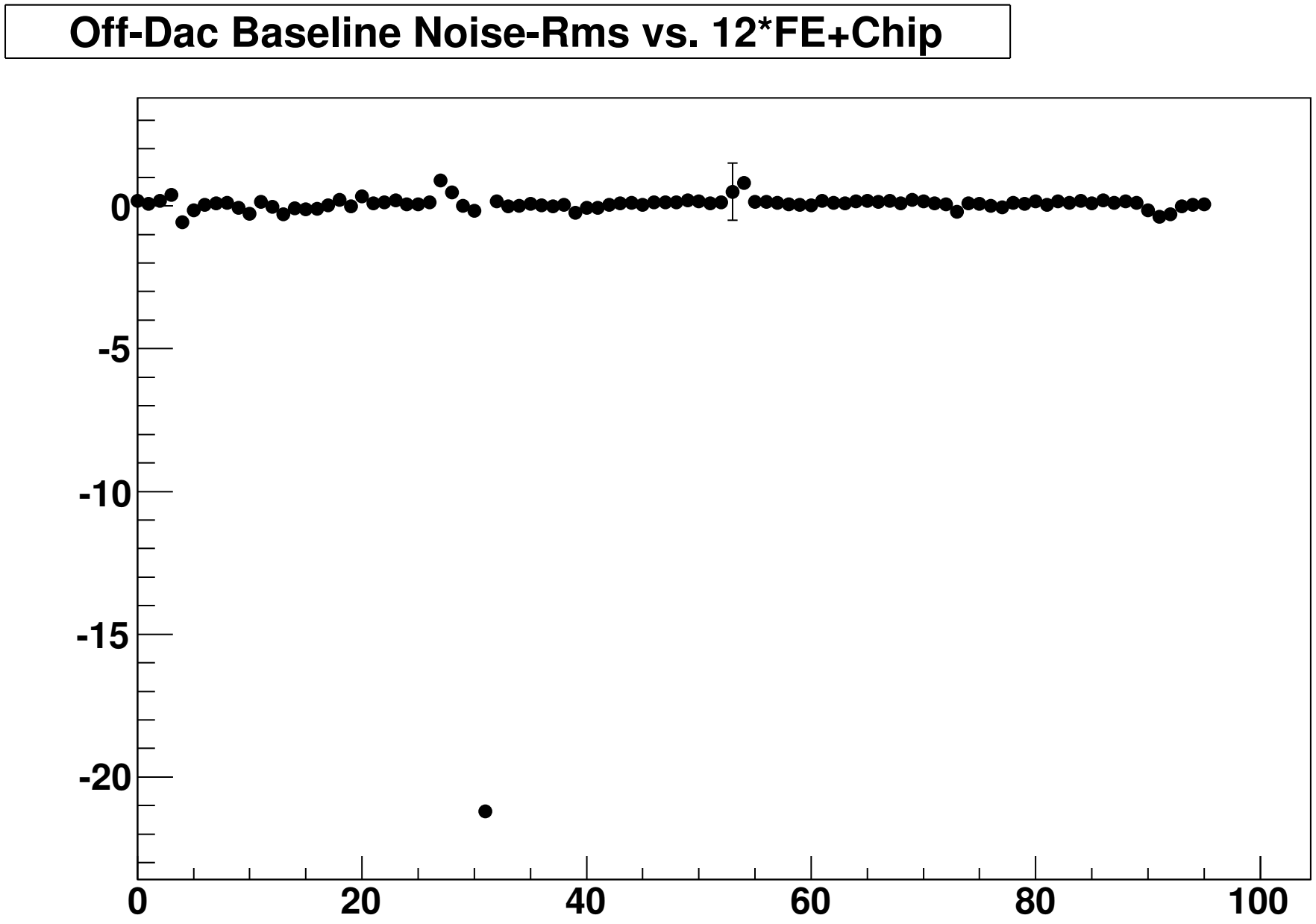

Off-Dac Fit Dac Noise vs. 12*FE+Chip
1
0.5
0
-0.5
-1
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
2000
1500
1000
500
0
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-5
-10
-15
-20
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
2000
1500
1000
500
0
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-5
-10
-15
-20
0
20
40
60
80
100