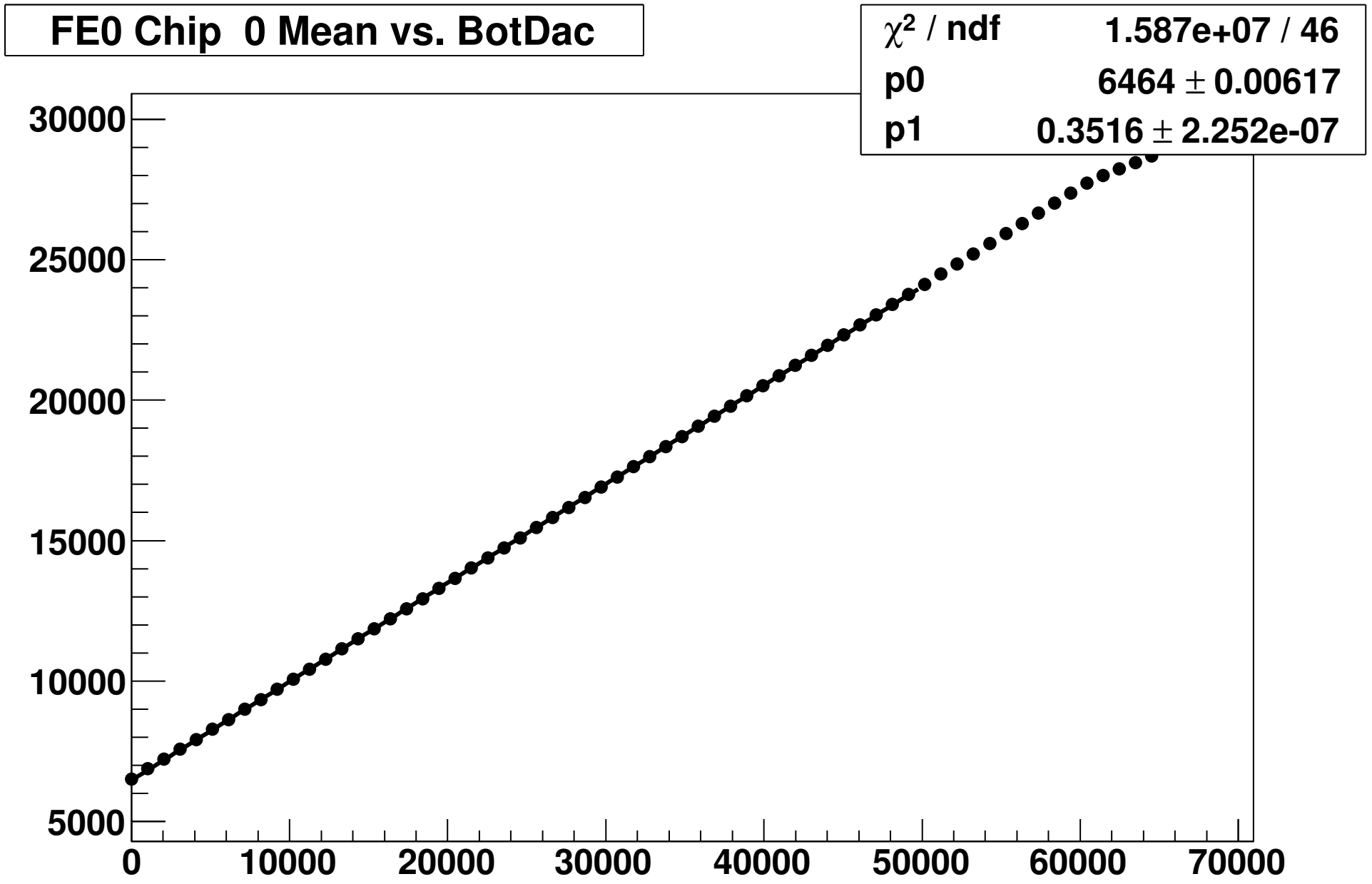
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.587e+07 / 46
p0 6464 ± 0.00617
p1 0.3516 ± 2.252e-07
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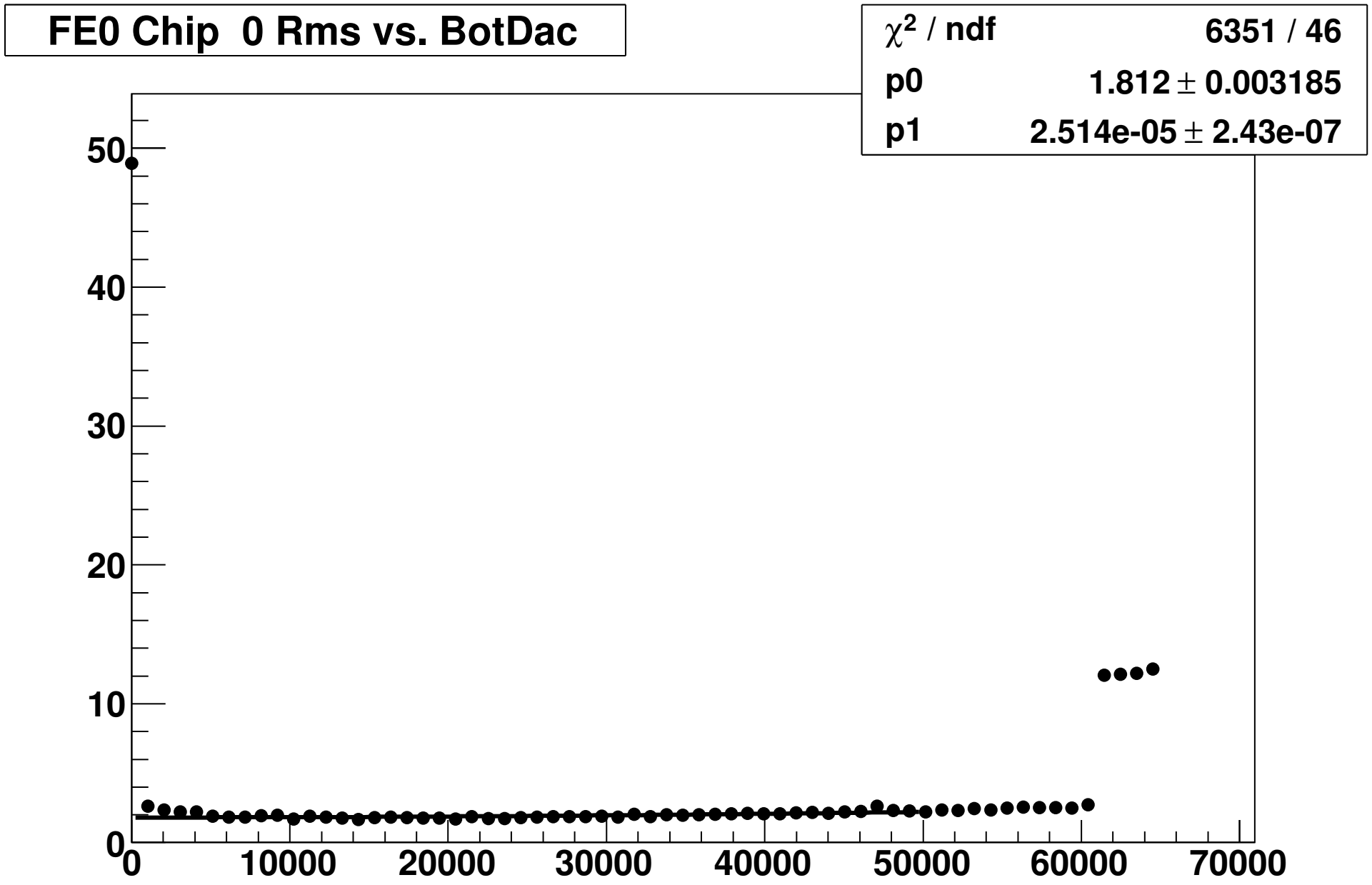
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 6351 / 46
p0 1.812 ± 0.003185
p1 2.514e-05 ± 2.43e-07
50
40
30
20
10
0
0
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20000
30000
40000
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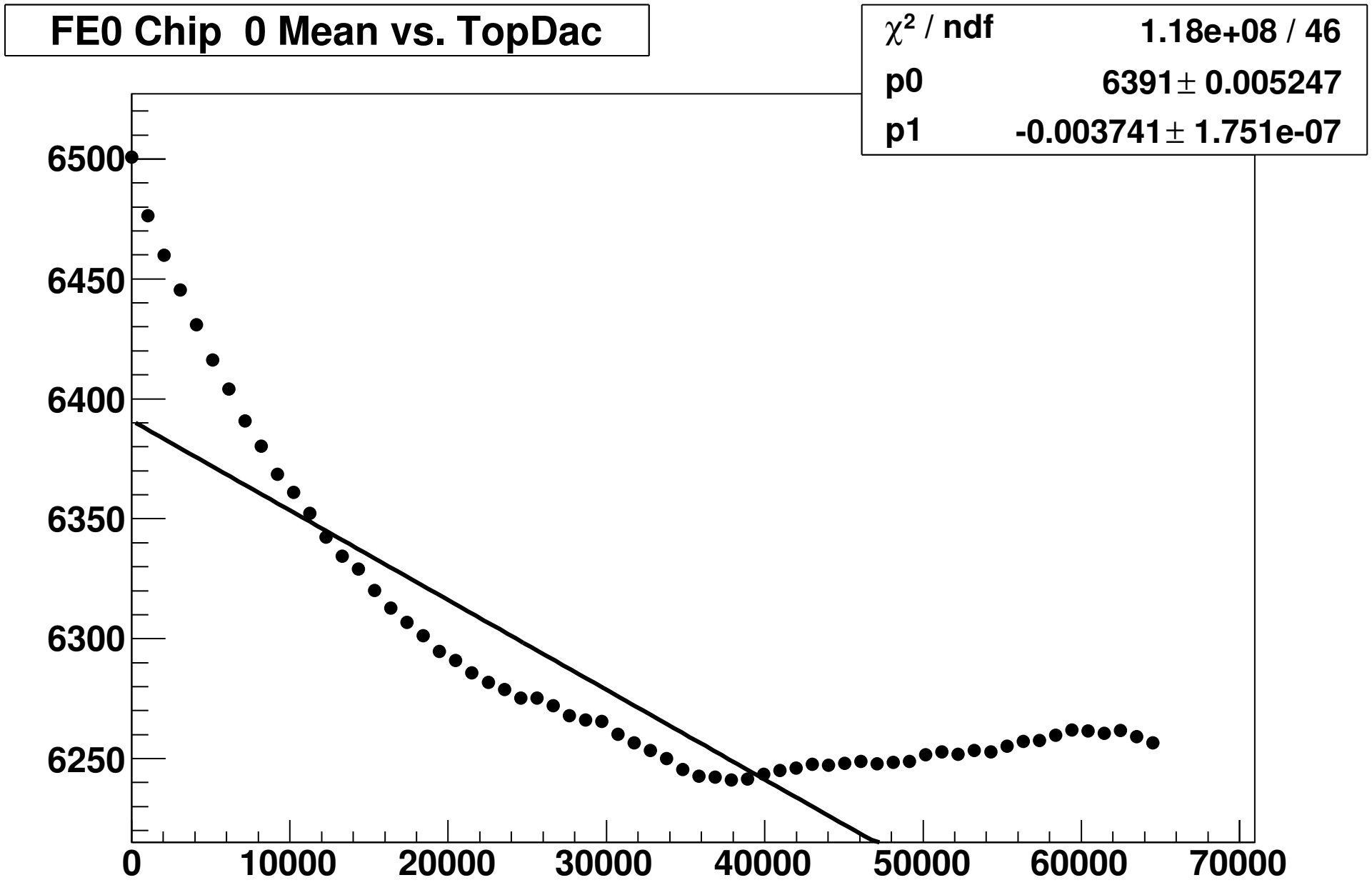
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 1.18e+08 / 46
p0 6391 ± 0.005247
p1 -0.003741 ± 1.751e-07
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6450
6400
6350
6300
6250
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10000
20000
30000
40000
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60000
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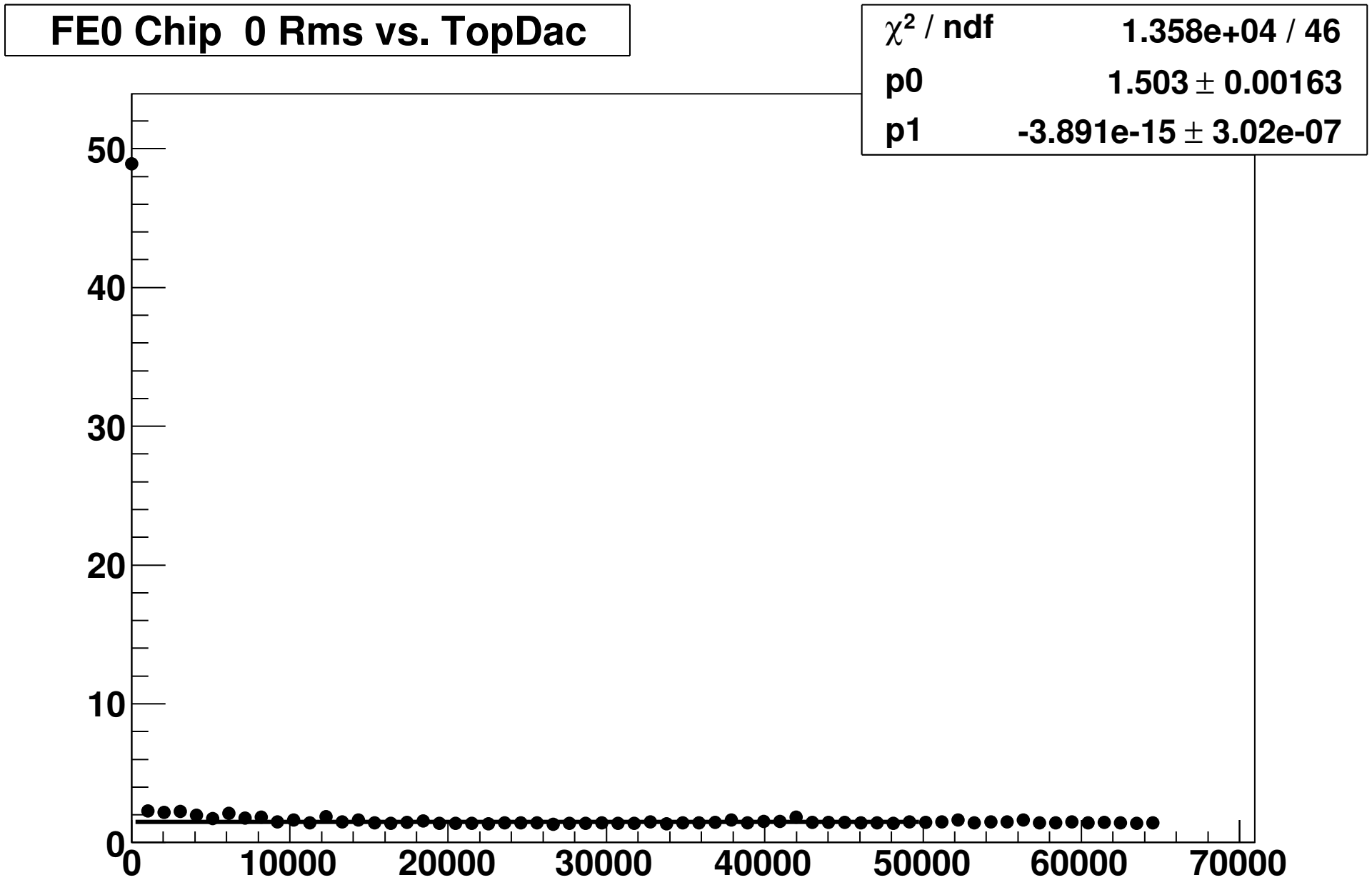
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 1.358e+04 / 46
p0 1.503 ± 0.00163
p1 -3.891e-15 ± 3.02e-07
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40
30
20
10
0
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30000
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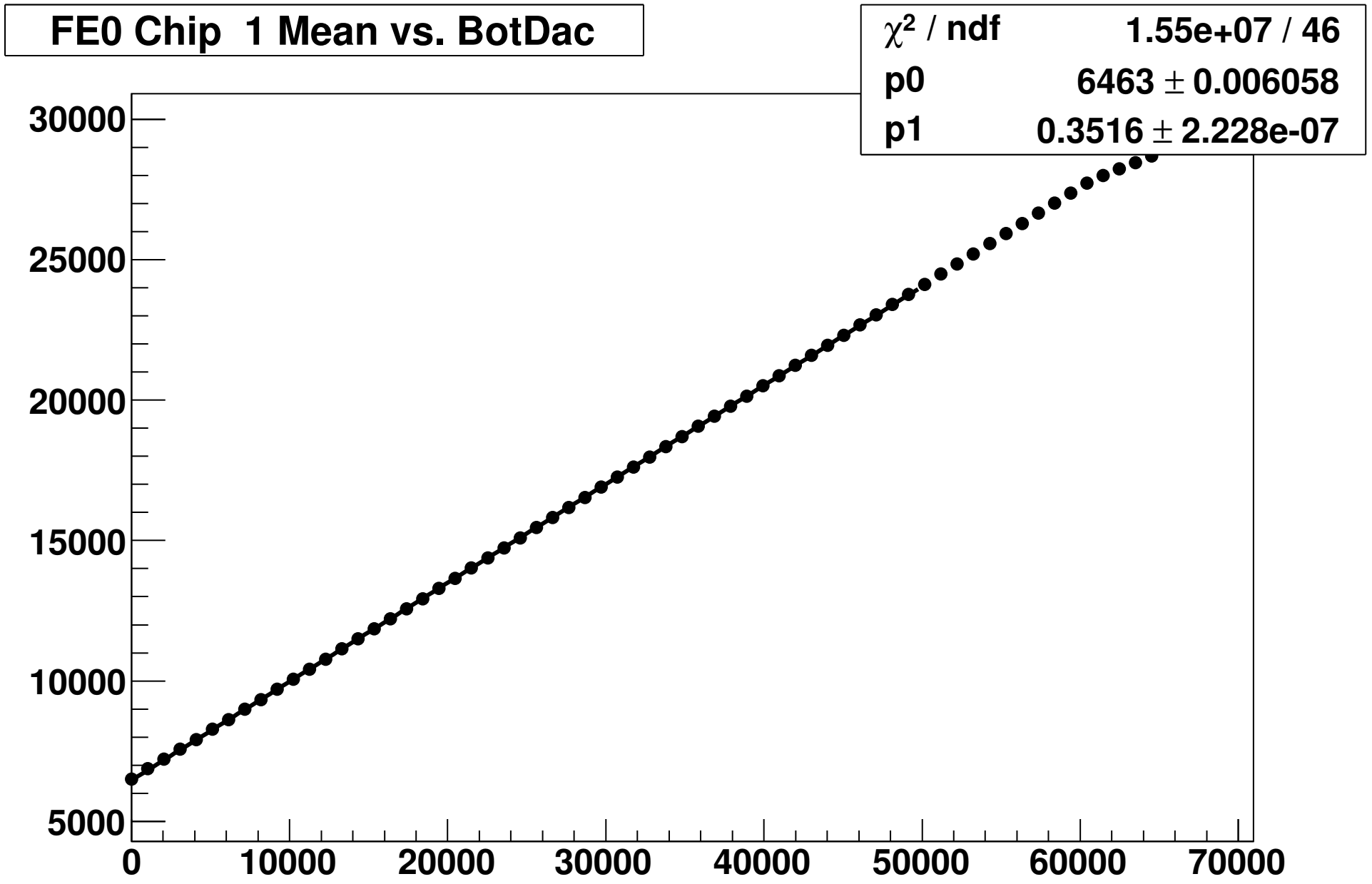
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.55e+07 / 46
p0 6463 ± 0.006058
p1 0.3516 ± 2.228e-07
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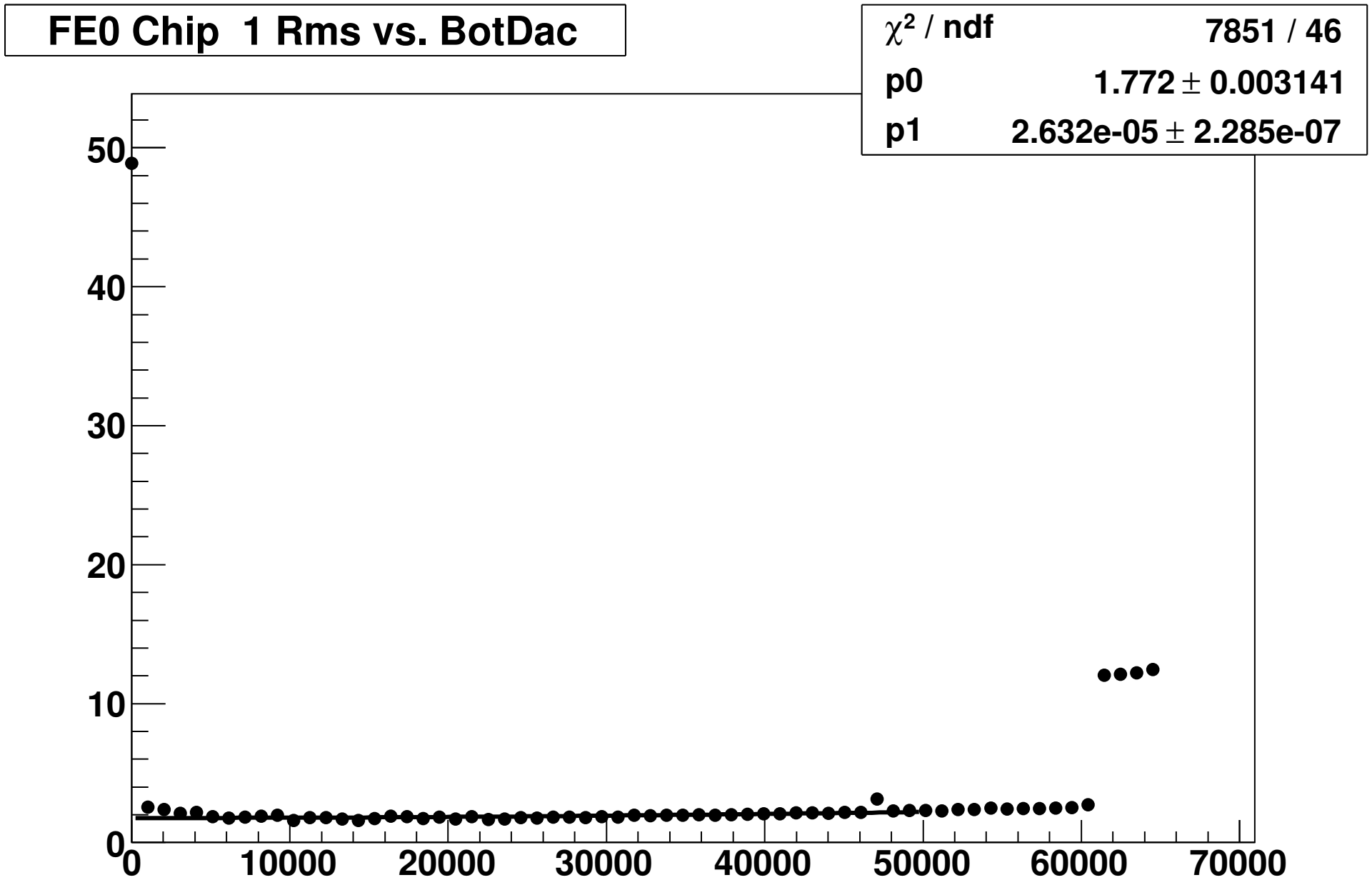
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 7851 / 46
p0 1.772 ± 0.003141
p1 2.632e-05 ± 2.285e-07
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40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
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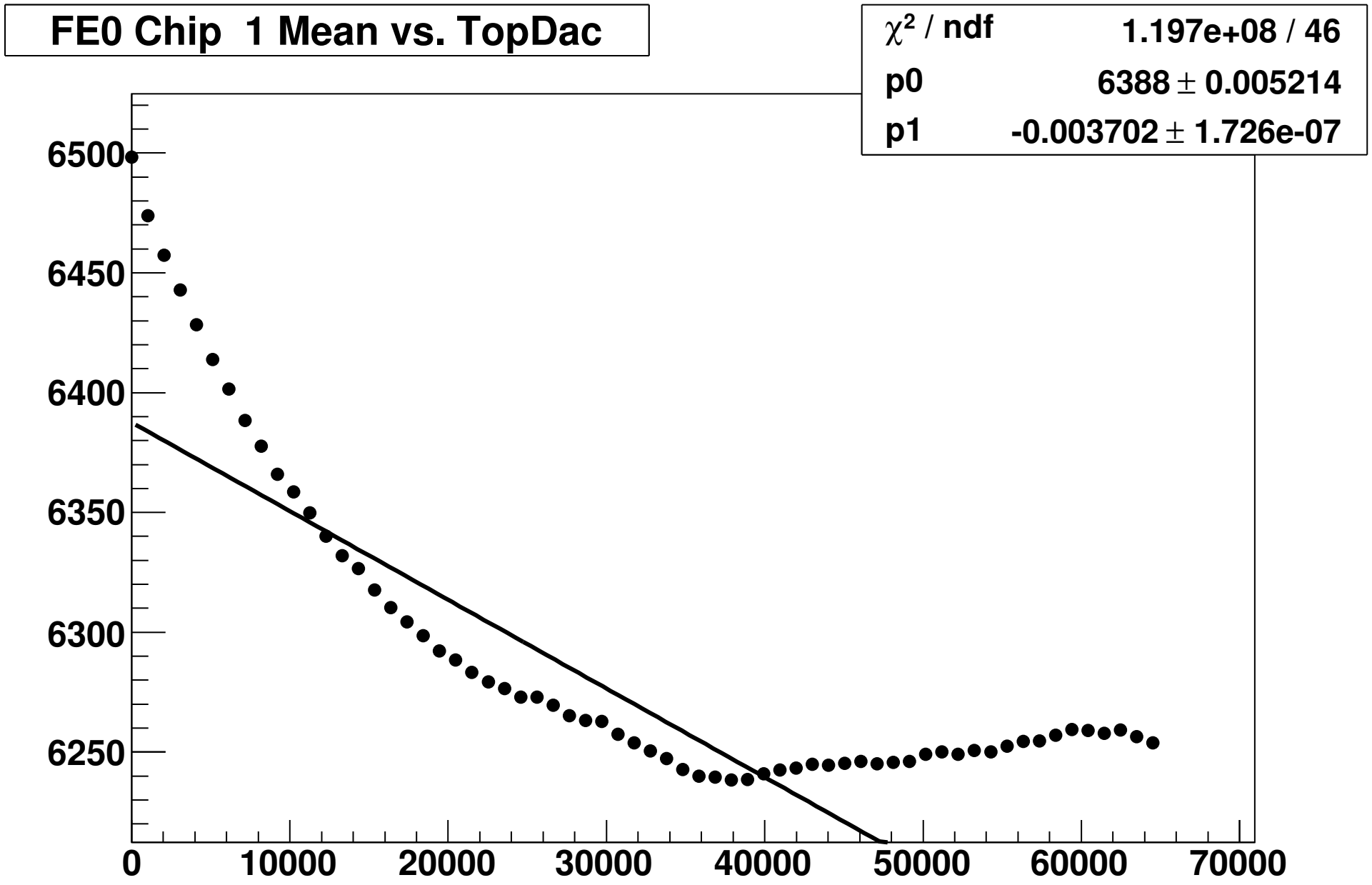
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 1.197e+08 / 46
p0 6388 ± 0.005214
p1 -0.003702 ± 1.726e-07
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6450
6400
6350
6300
6250
0
10000
20000
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40000
50000
60000
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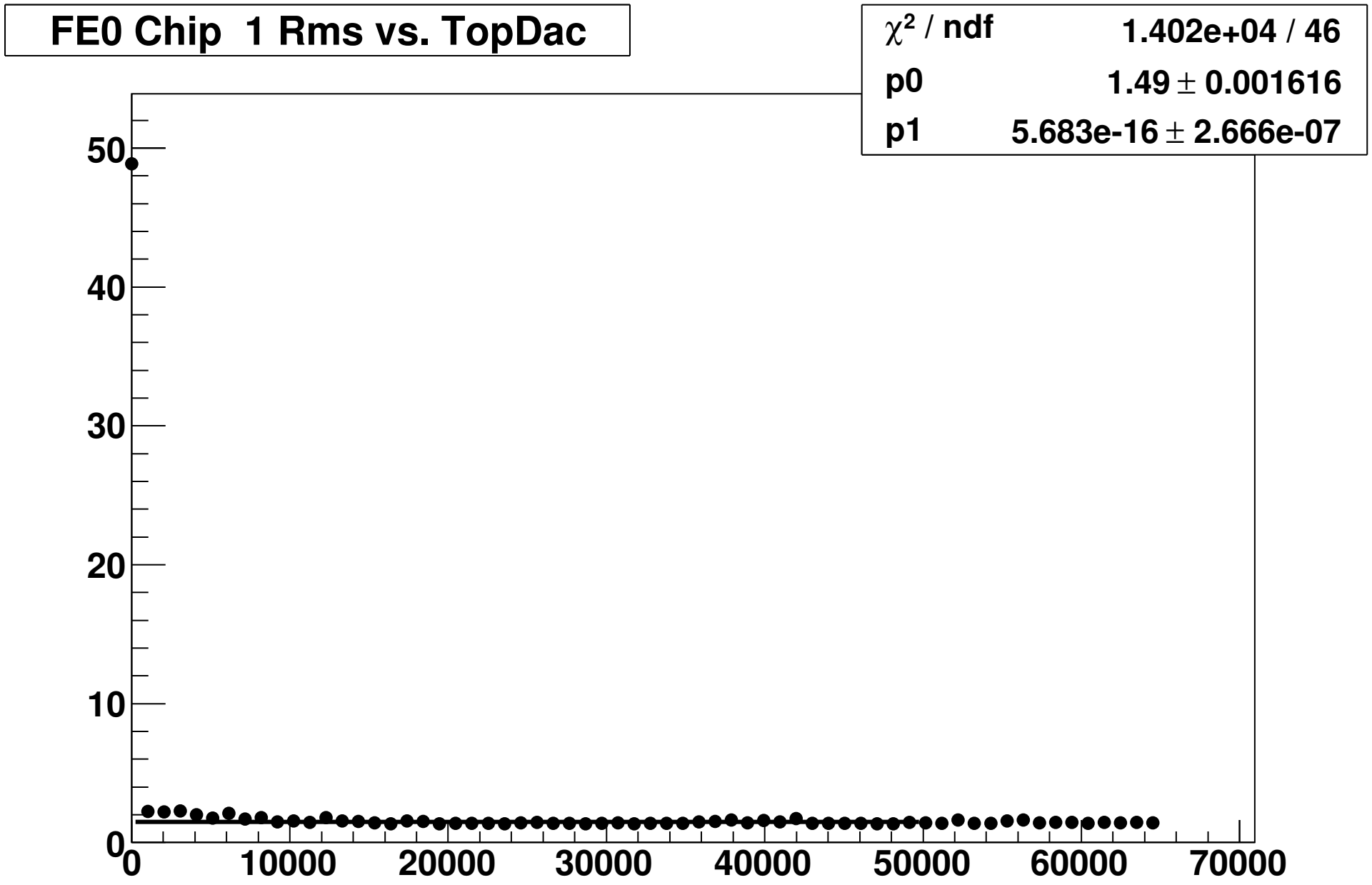
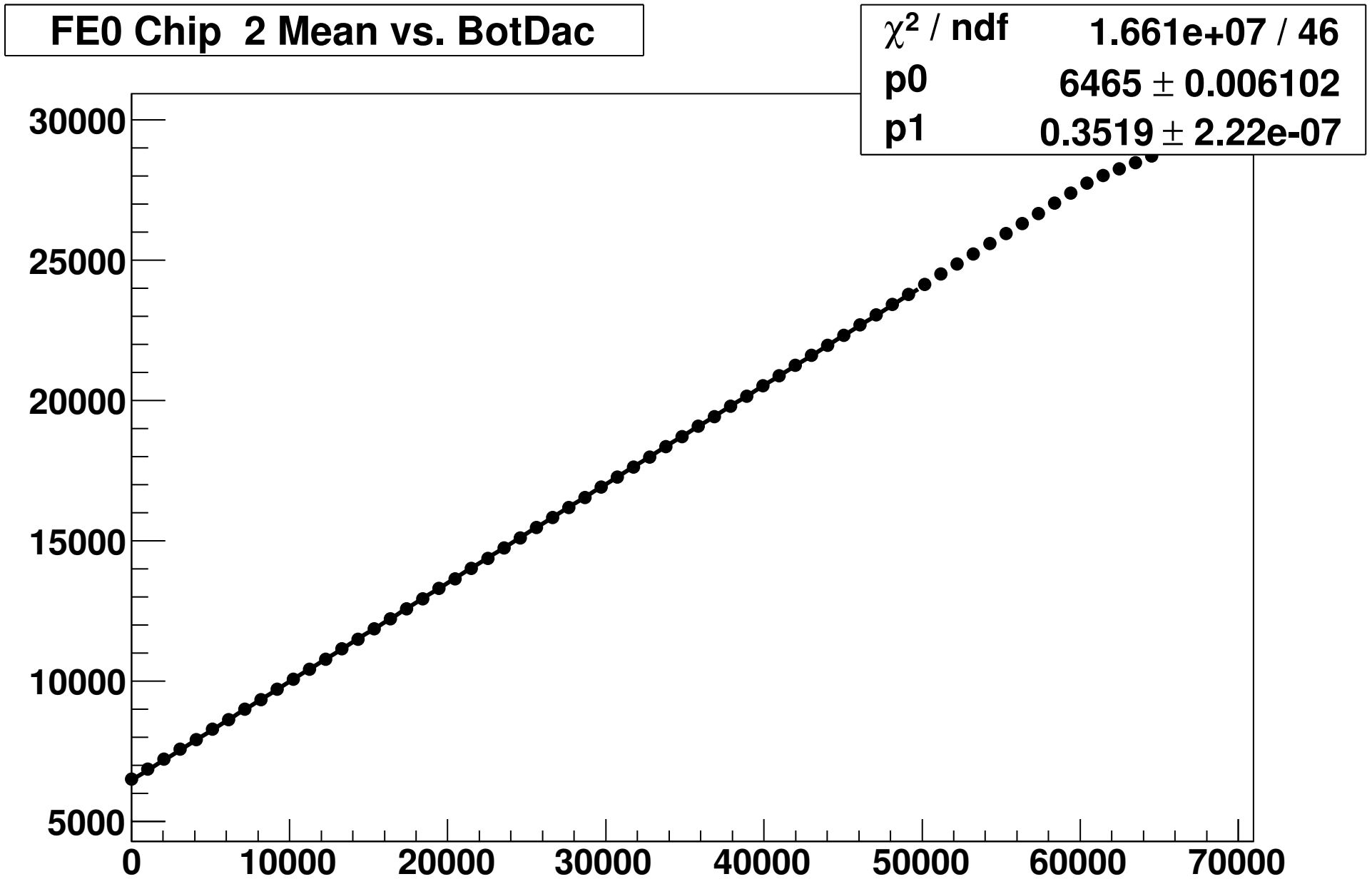

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 1.402e+04 / 46
p0 1.49 ± 0.001616
p1 5.683e-16 ± 2.666e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.661e+07 / 46
p0 6465 ± 0.006102
p1 0.3519 ± 2.22e-07
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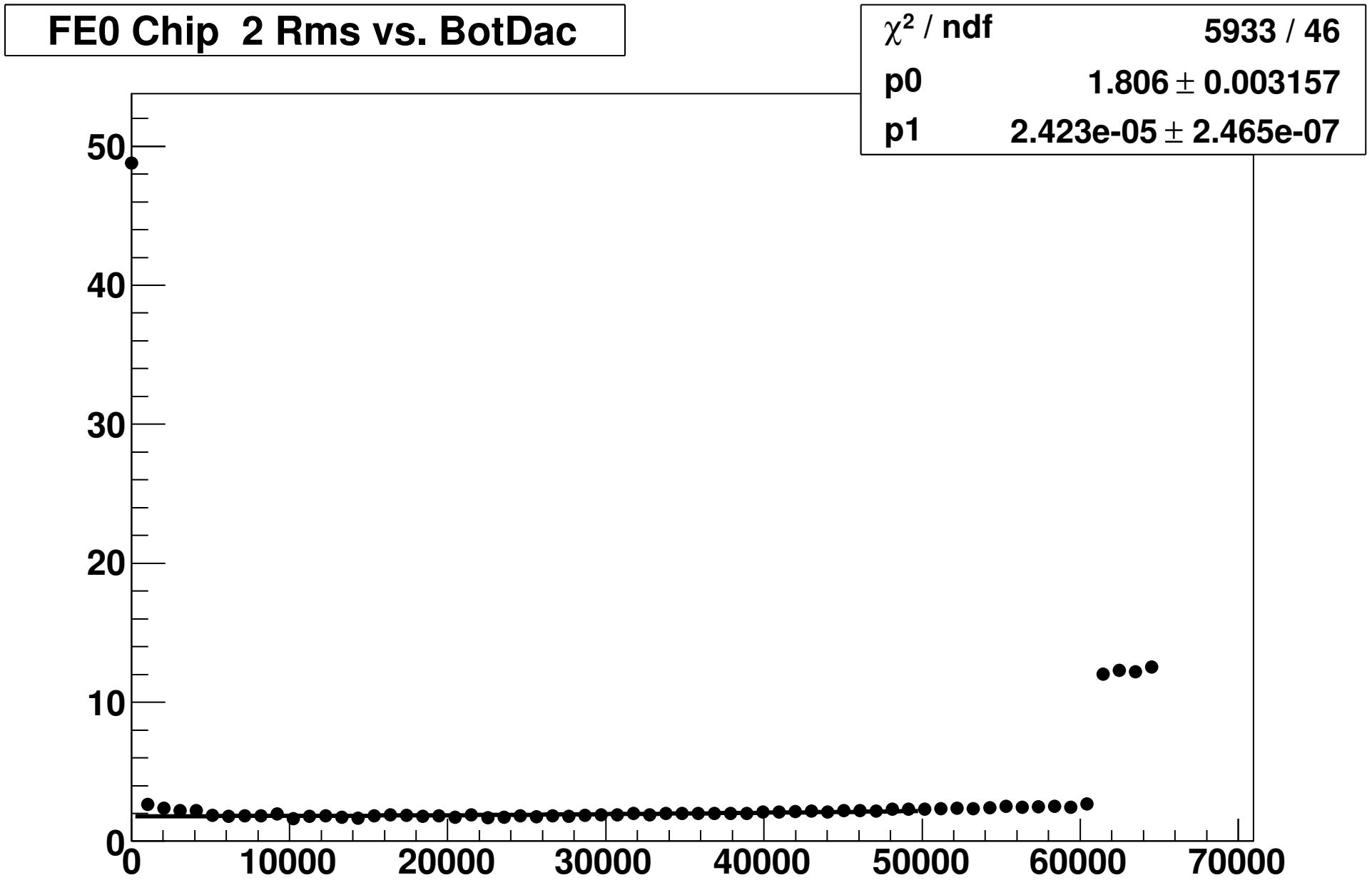
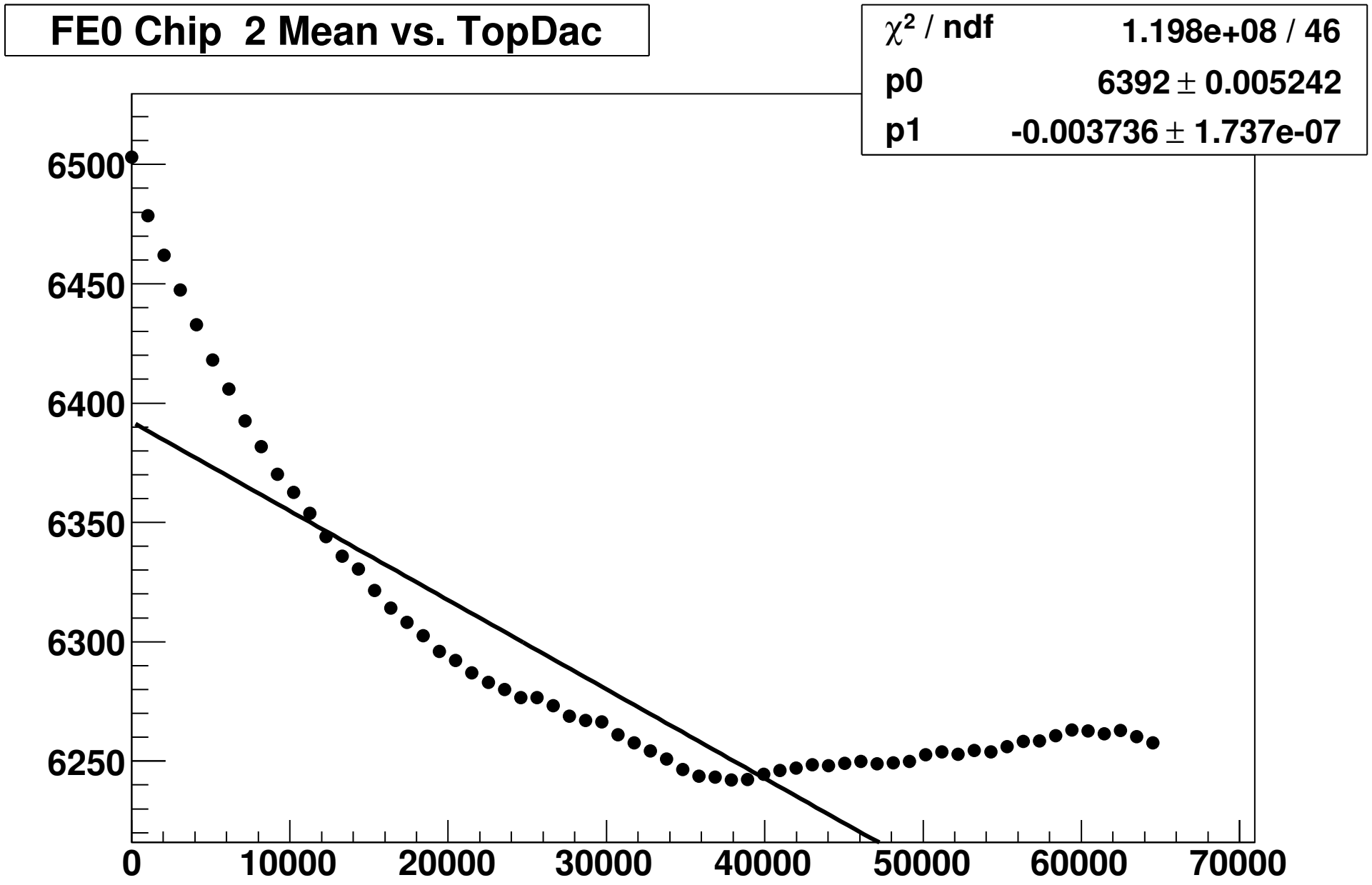
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 5933 / 46
p0 1.806 ± 0.003157
p1 2.423e-05 ± 2.465e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1.198e+08 / 46
p0 6392 ± 0.005242
p1 -0.003736 ± 1.737e-07
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6450
6400
6350
6300
6250
0
10000
20000
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40000
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60000
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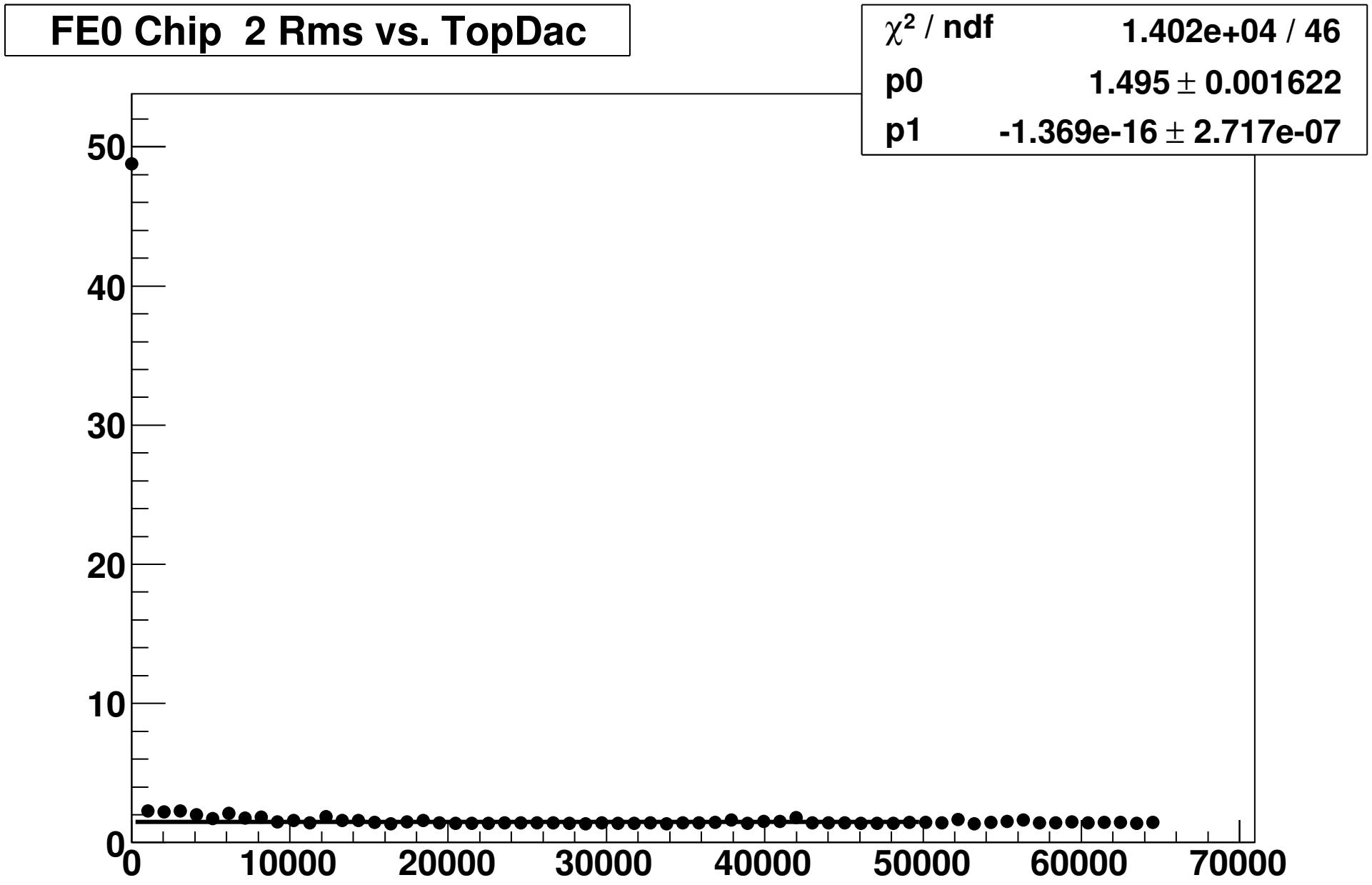
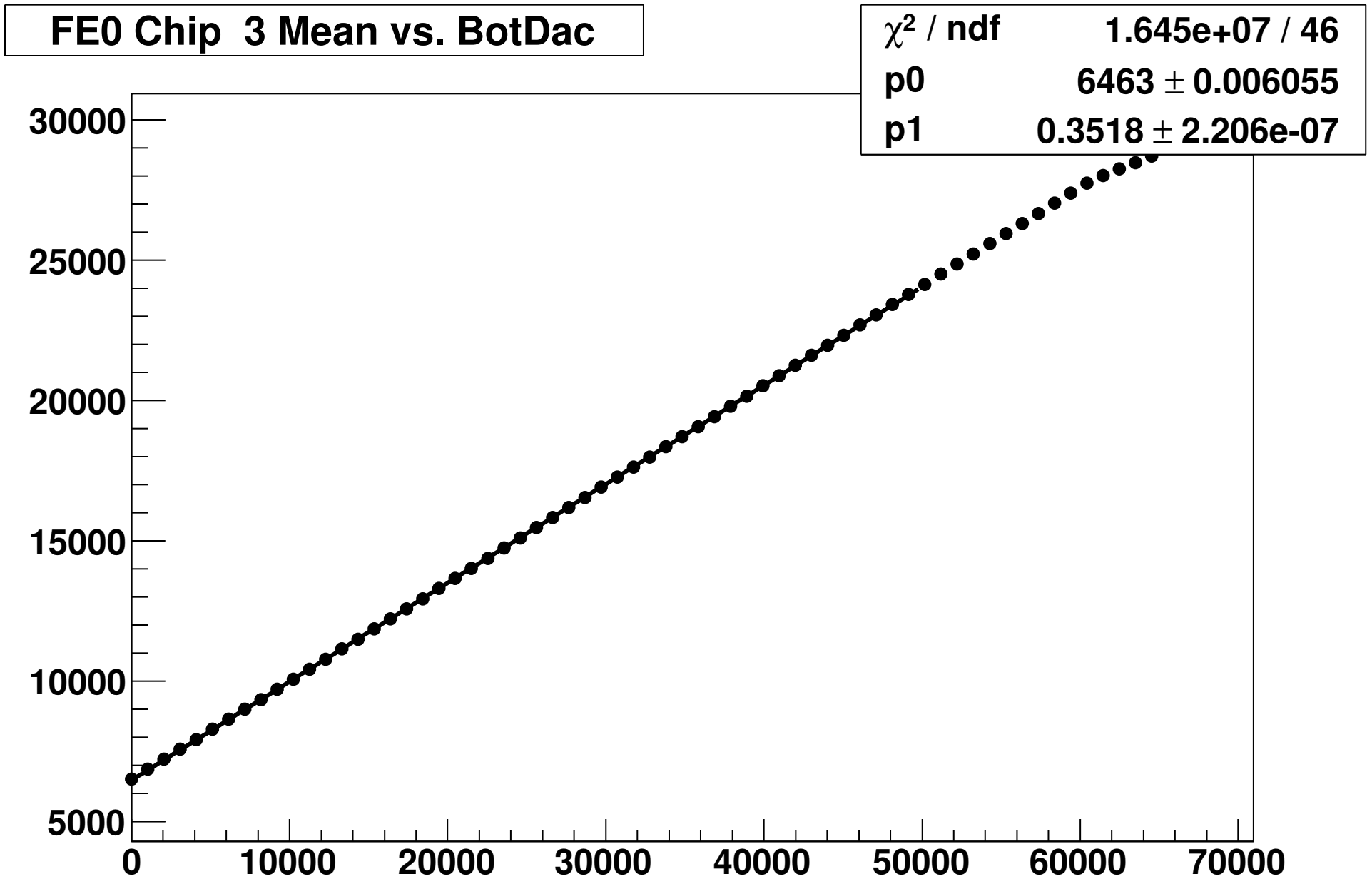

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 1.402e+04 / 46
p0 1.495 ± 0.001622
p1 -1.369e-16 ± 2.717e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.645e+07 / 46
p0 6463 ± 0.006055
p1 0.3518 ± 2.206e-07
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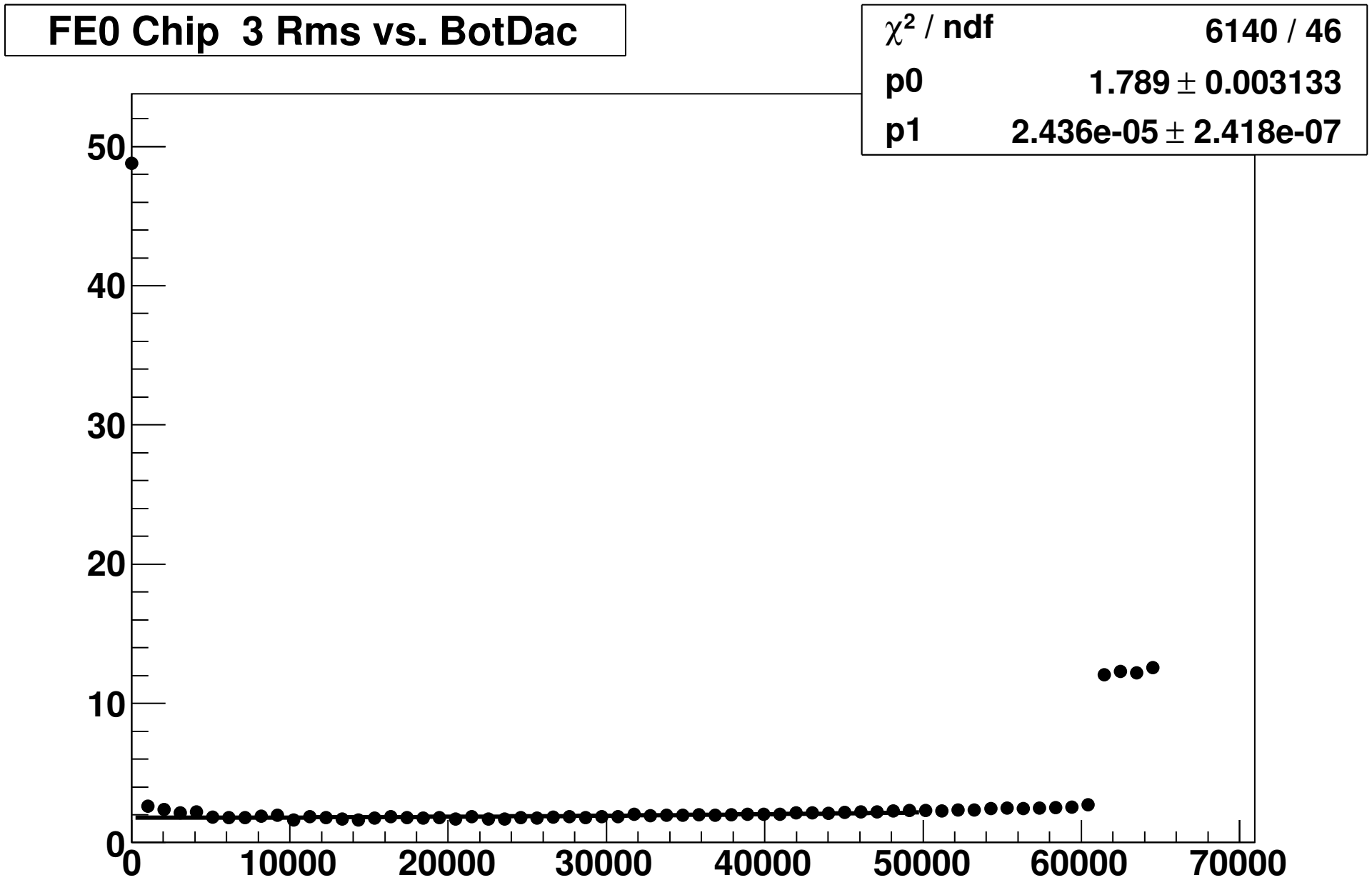
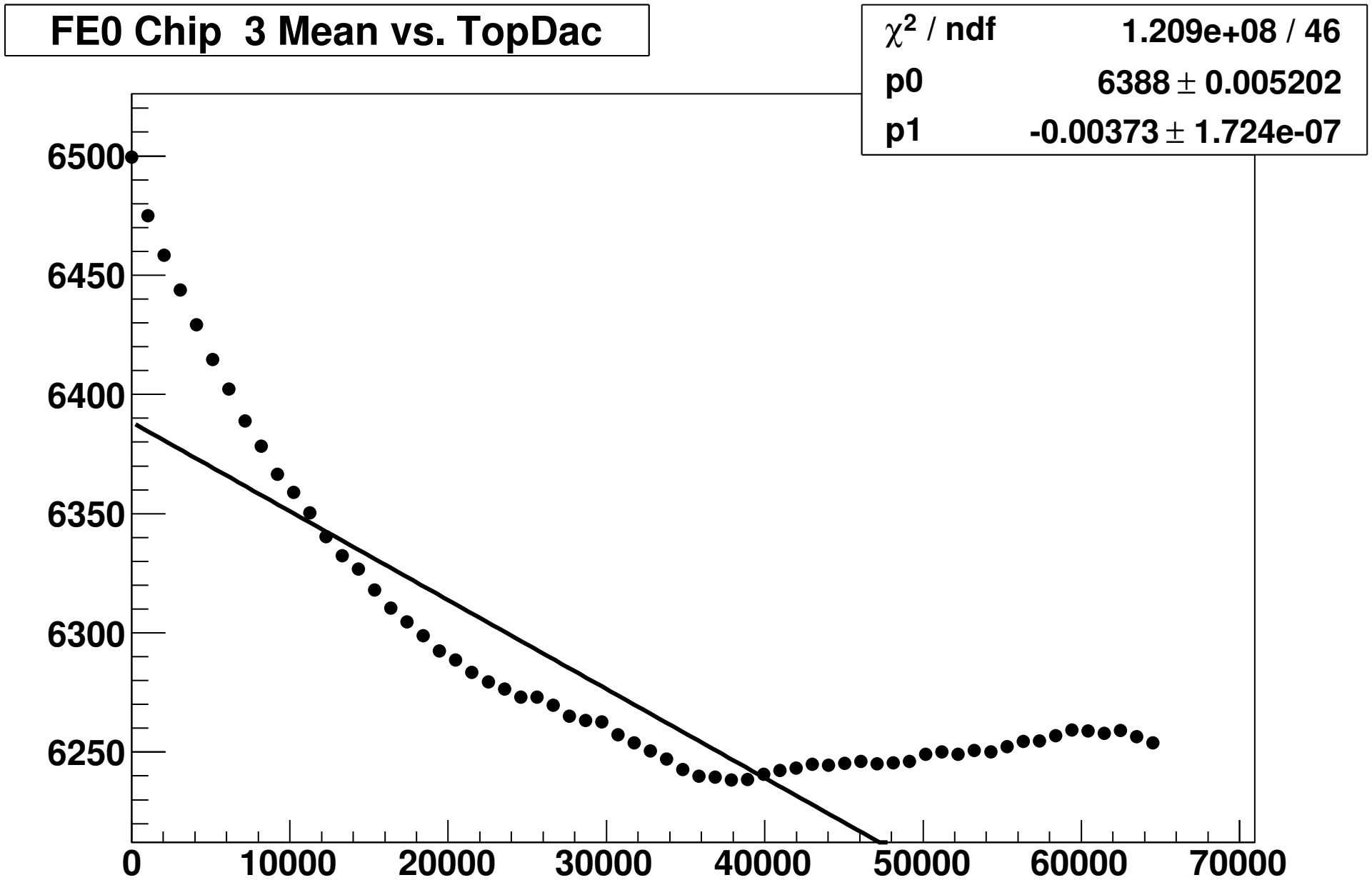
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 6140 / 46
p0 1.789 ± 0.003133
p1 2.436e-05 ± 2.418e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 1.209e+08 / 46
p0 6388 ± 0.005202
p1 -0.00373 ± 1.724e-07
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6450
6400
6350
6300
6250
0
10000
20000
30000
40000
50000
60000
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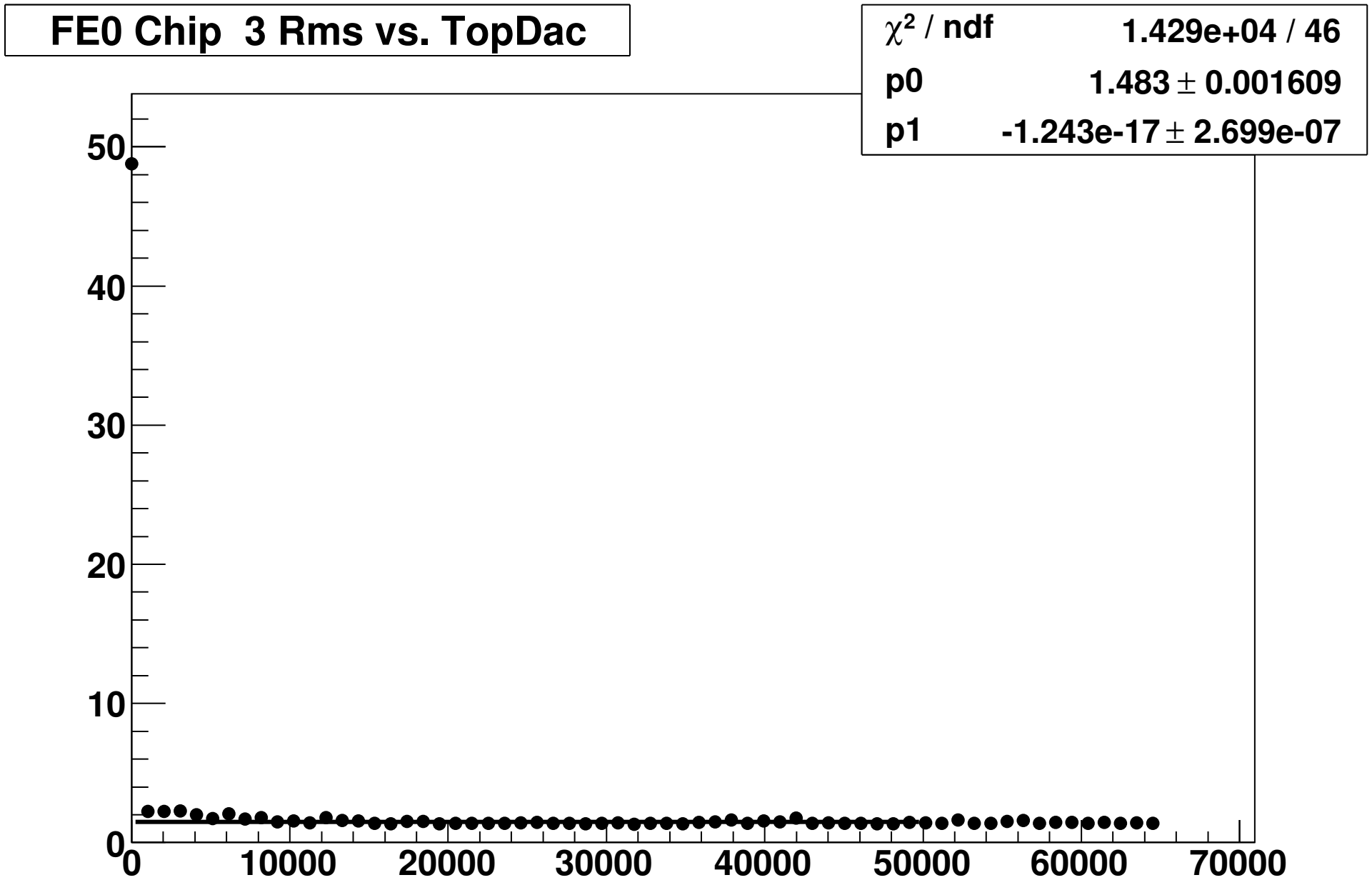
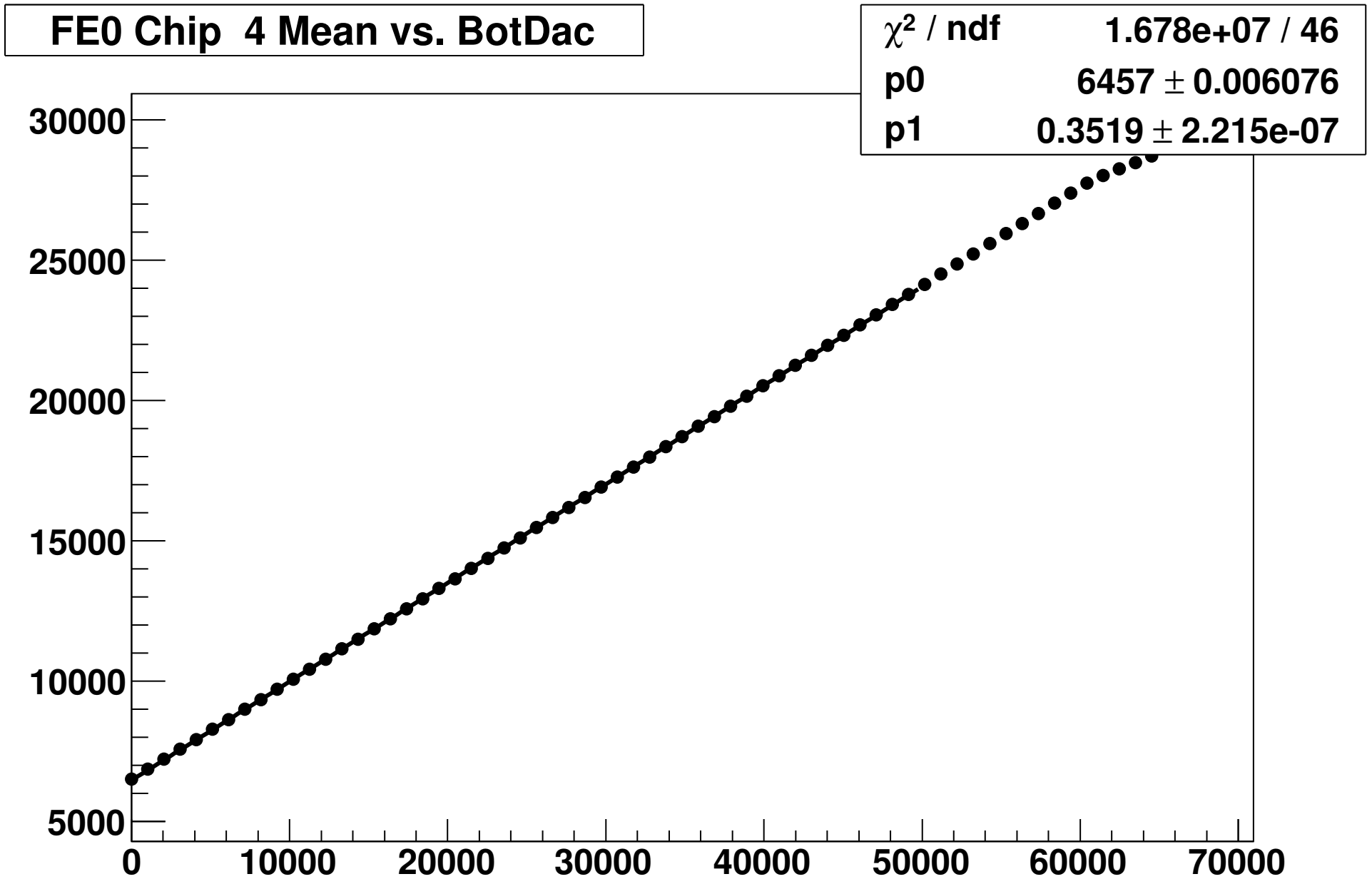
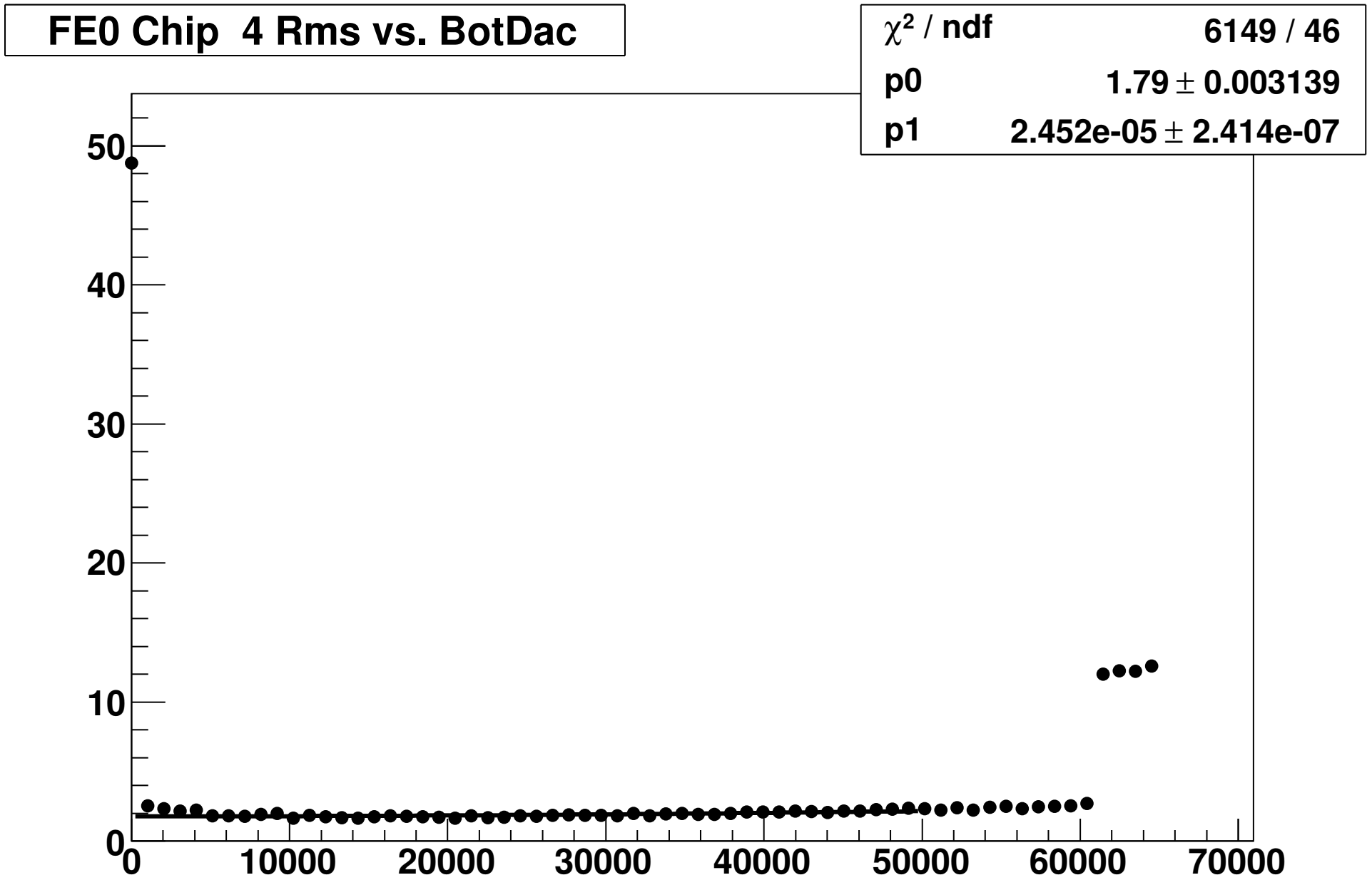
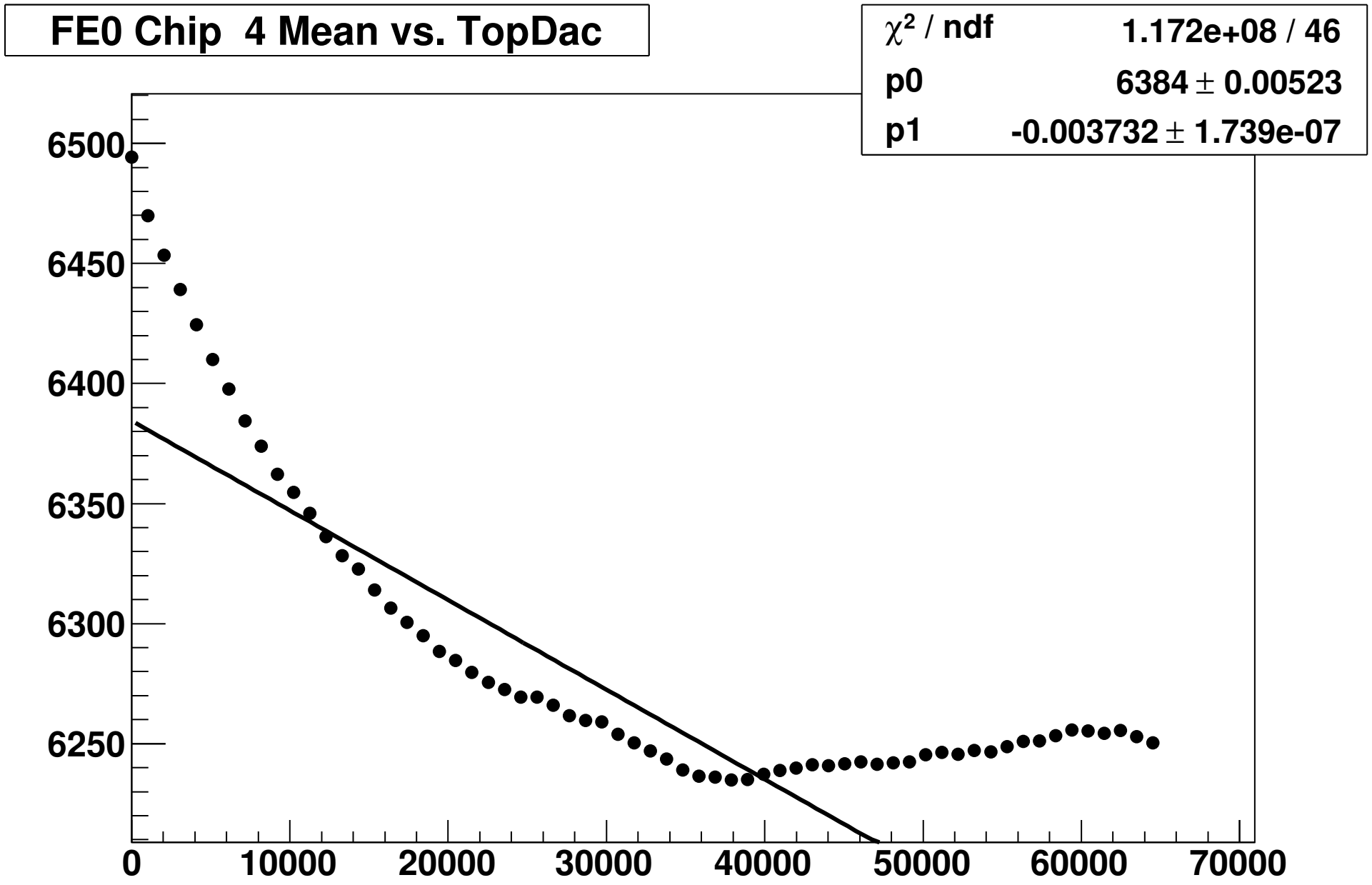

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 1.429e+04 / 46
p0 1.483 ± 0.001609
p1 -1.243e-17 ± 2.699e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.678e+07 / 46
p0 6457 ± 0.006076
p1 0.3519 ± 2.215e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 6149 / 46
p0 1.79 ± 0.003139
p1 2.452e-05 ± 2.414e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1.172e+08 / 46
p0 6384 ± 0.00523
p1 -0.003732 ± 1.739e-07
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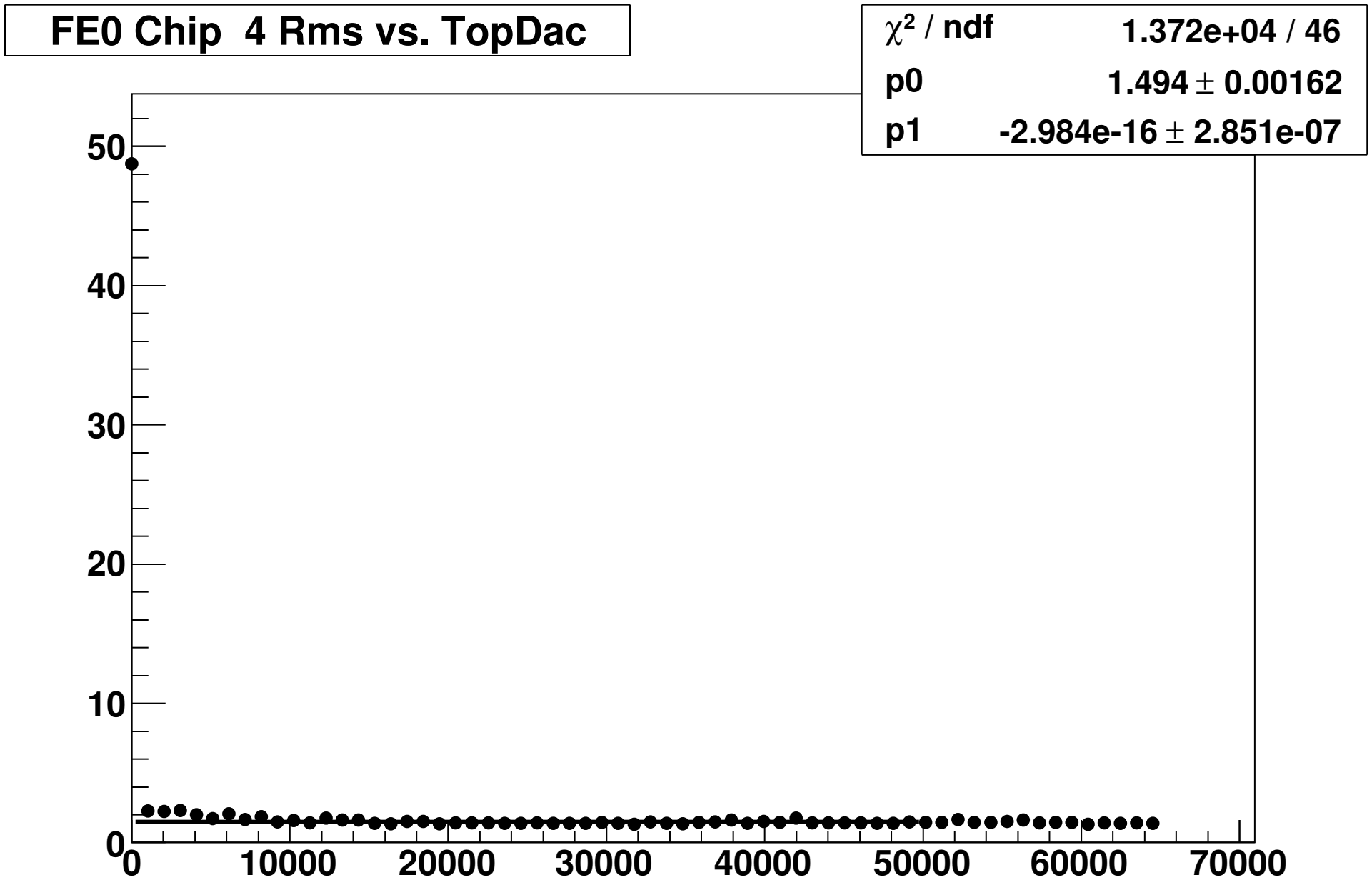
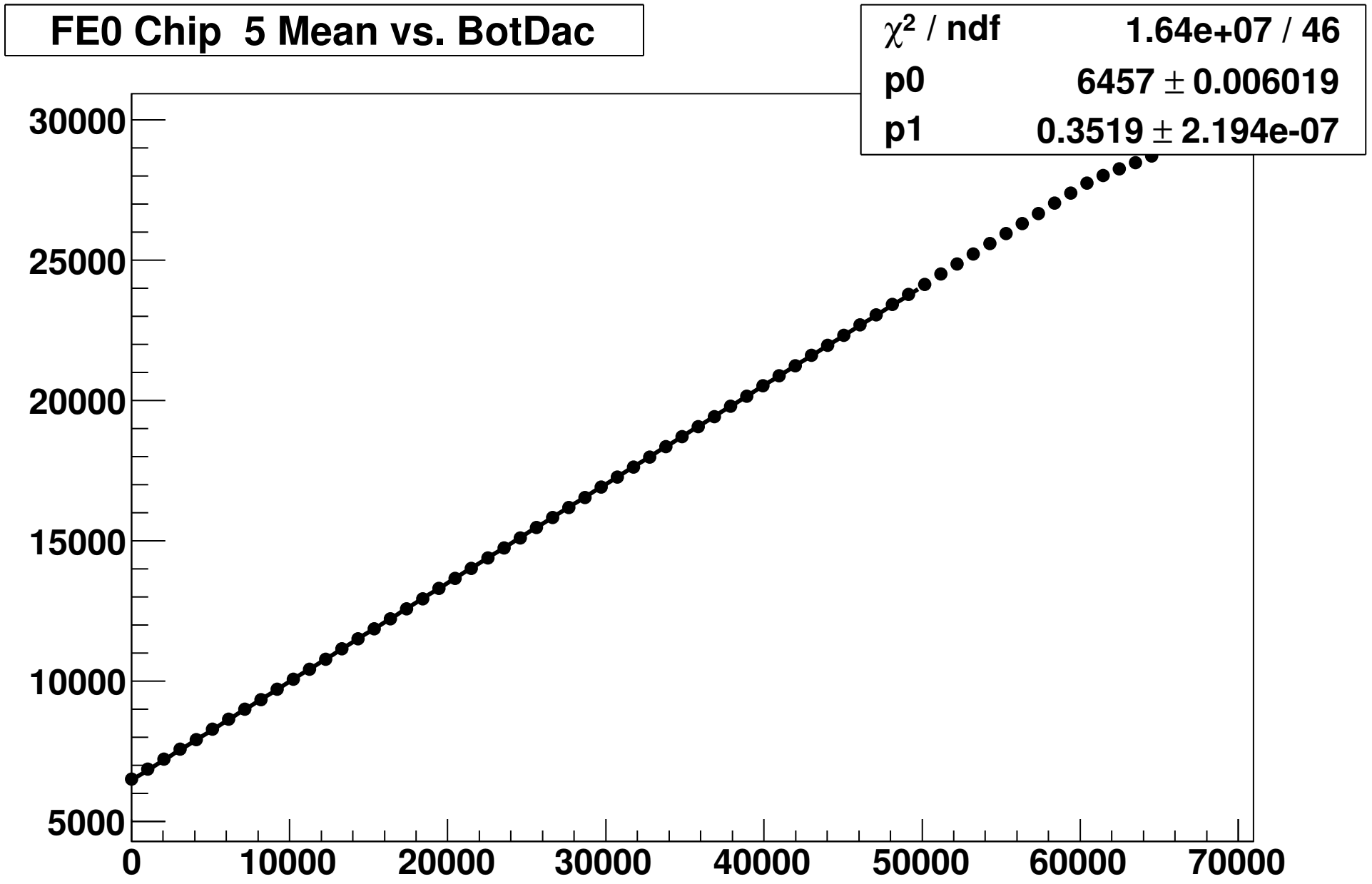
6450
6400
6350
6300
6250
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 1.372e+04 / 46
p0 1.494 ± 0.00162
p1 -2.984e-16 ± 2.851e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.64e+07 / 46
p0 6457 ± 0.006019
p1 0.3519 ± 2.194e-07
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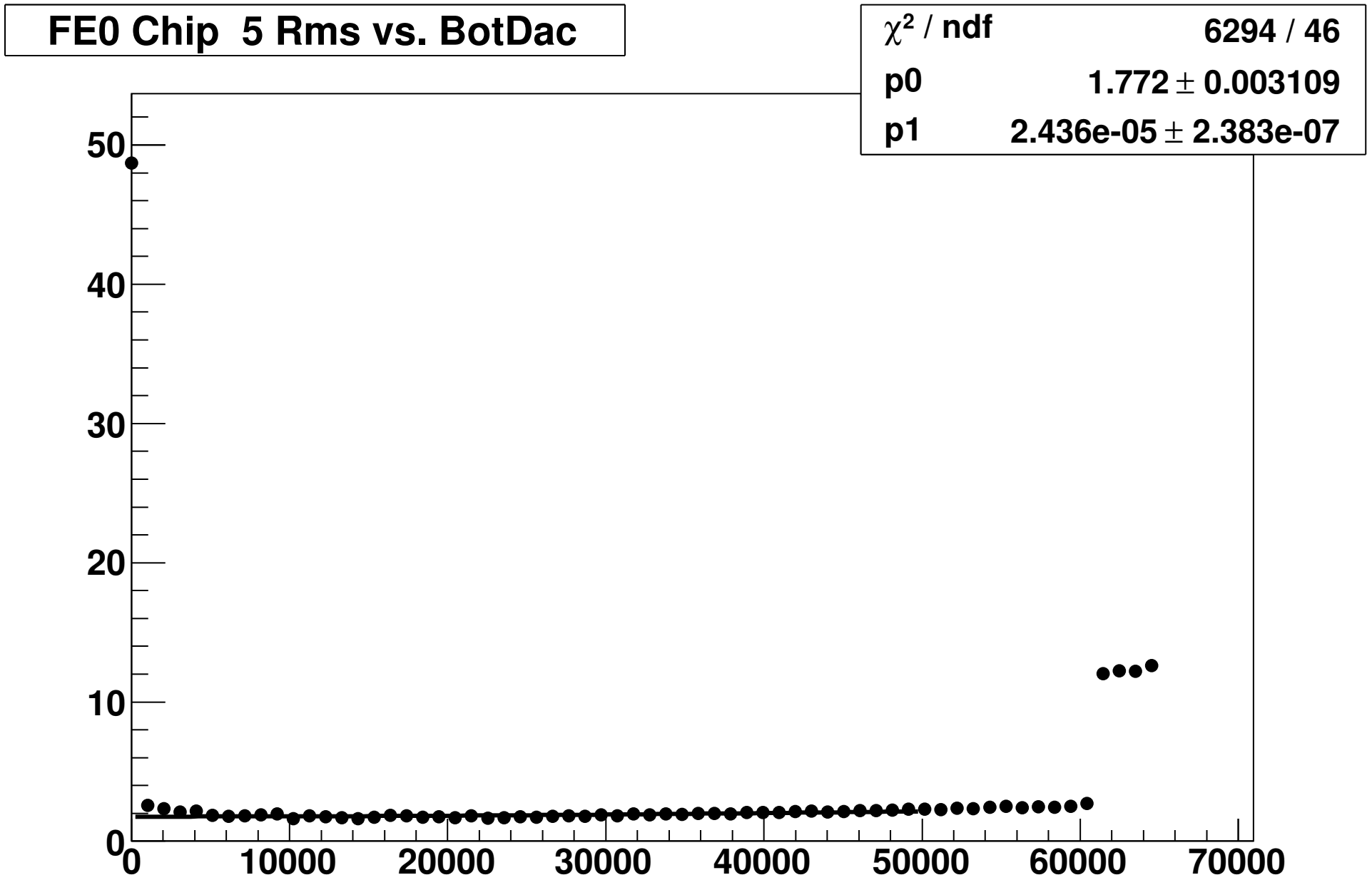
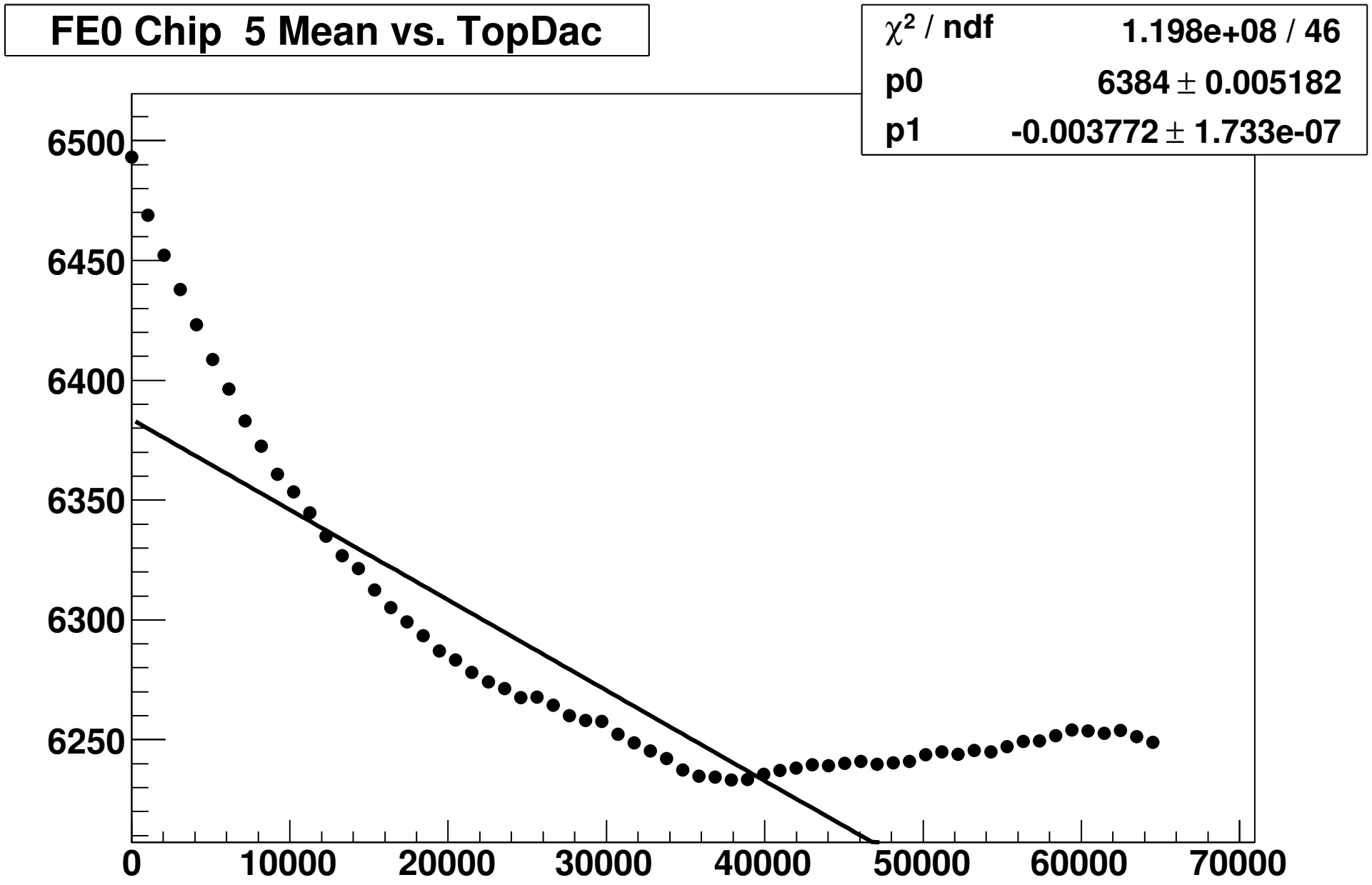
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 6294 / 46
p0 1.772 ± 0.003109
p1 2.436e-05 ± 2.383e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 1.198e+08 / 46
p0 6384 ± 0.005182
p1 -0.003772 ± 1.733e-07
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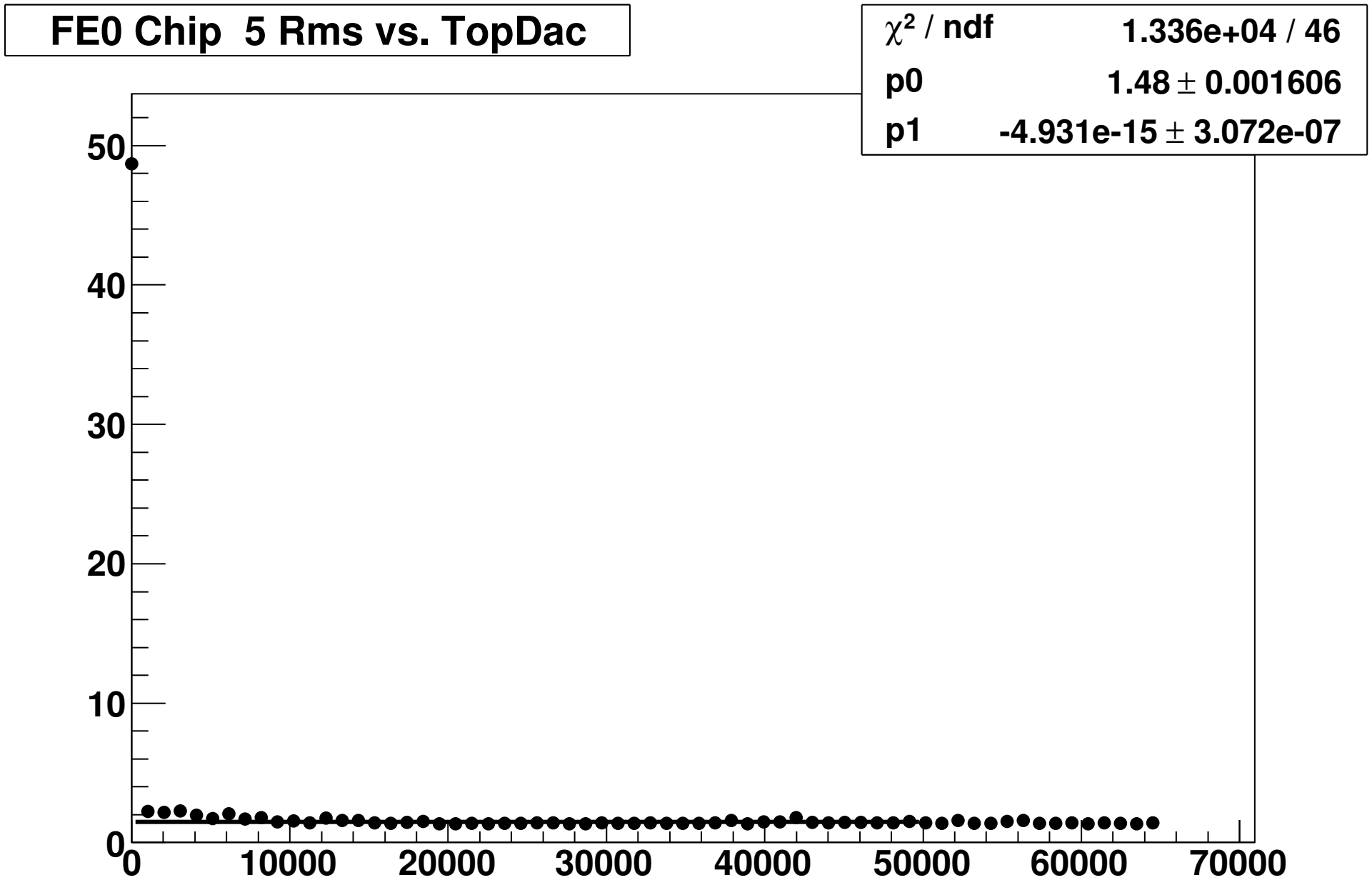
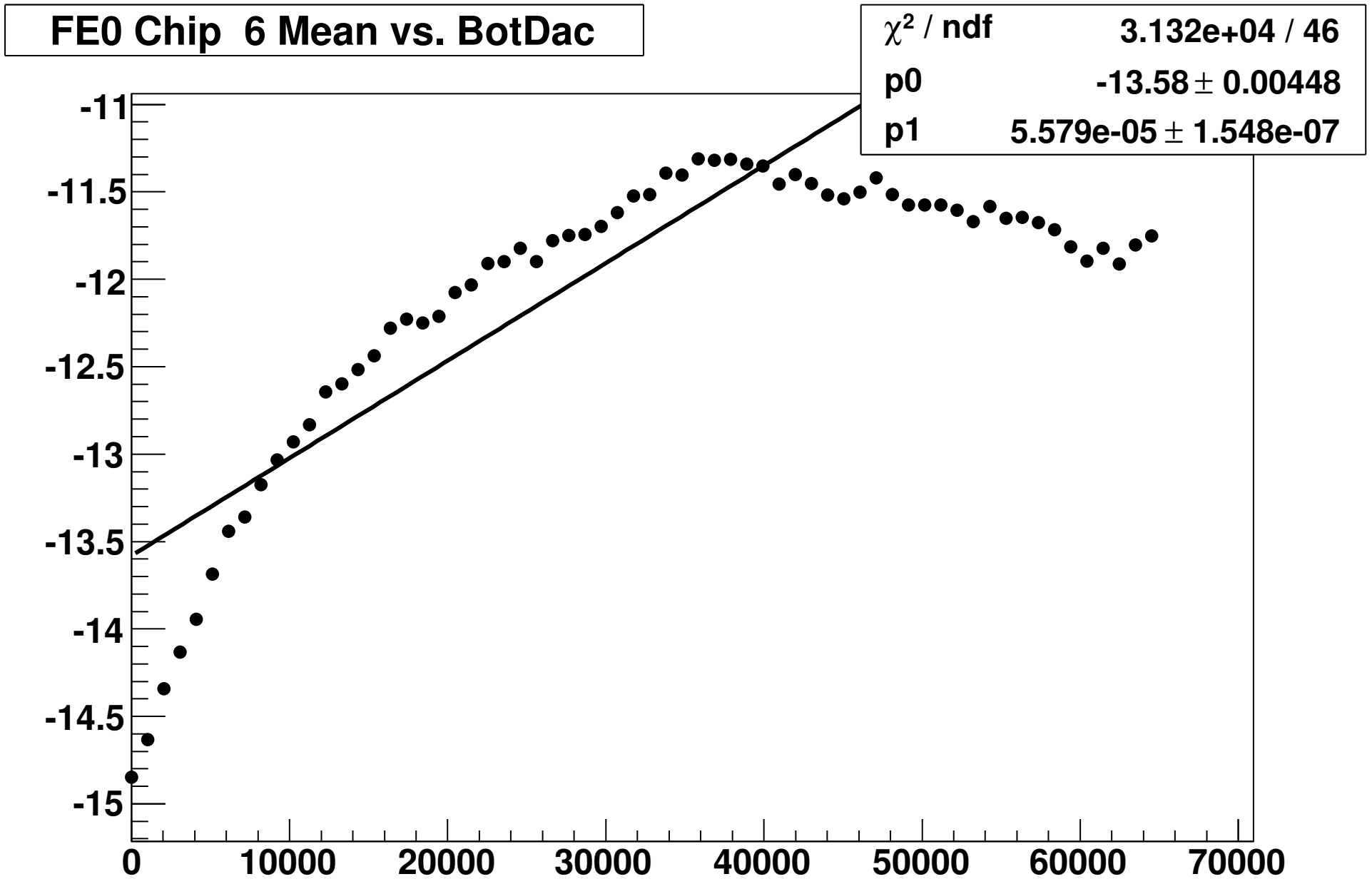
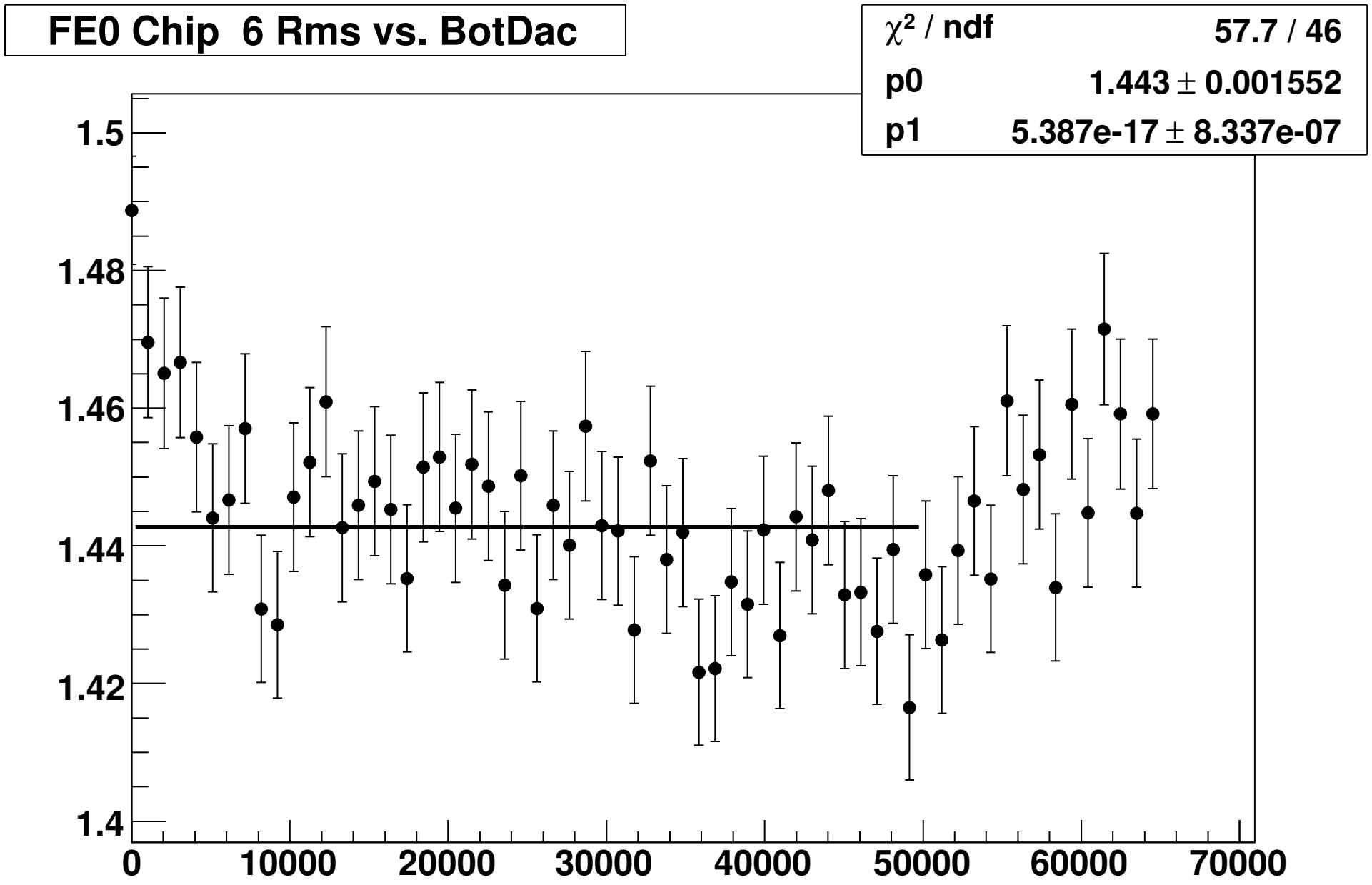
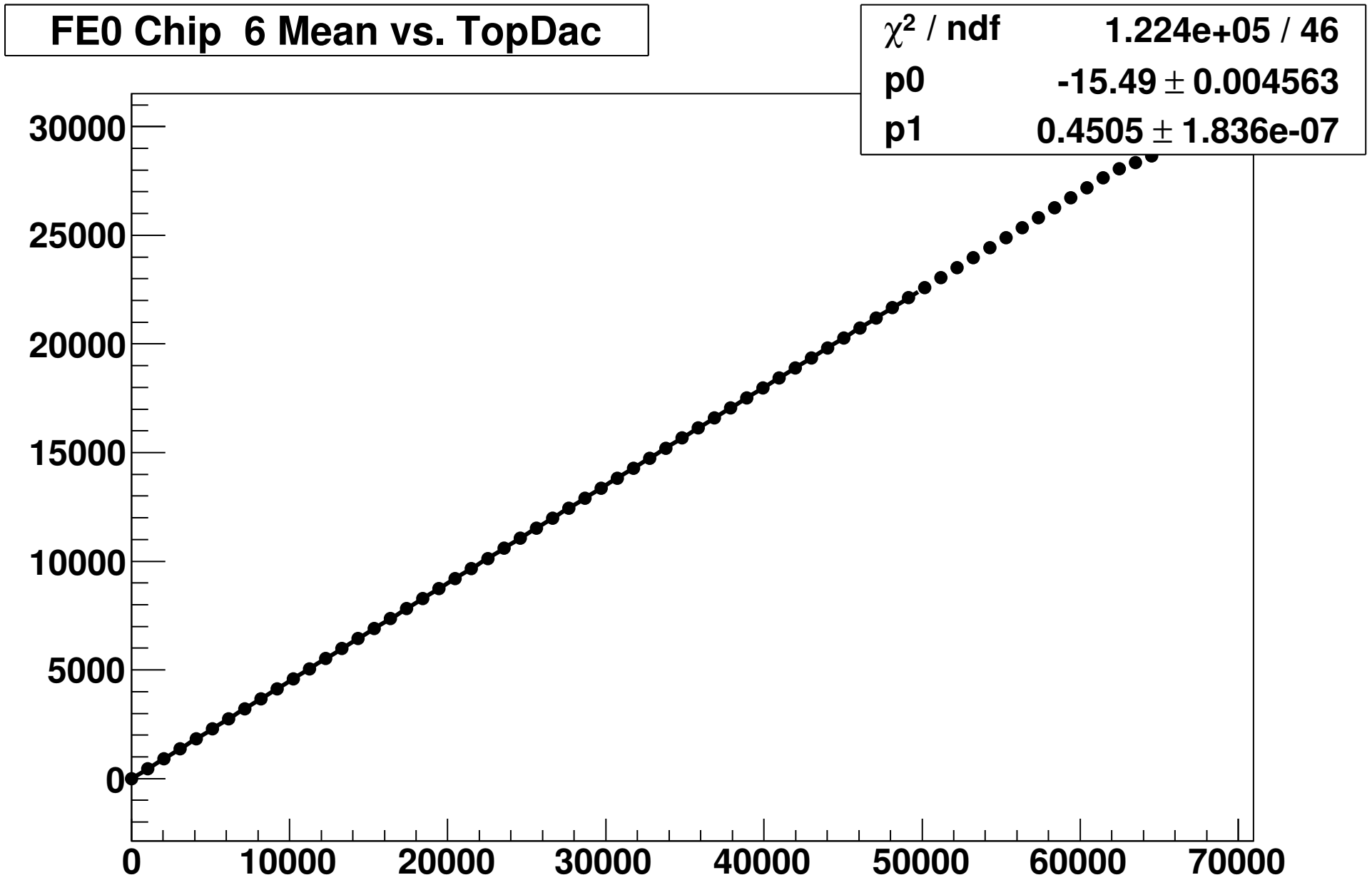
6450
6400
6350
6300
6250
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 1.336e+04 / 46
p0 1.48 ± 0.001606
p1 -4.931e-15 ± 3.072e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 3.132e+04 / 46
p0 -13.58 ± 0.00448
p1 5.579e-05 ± 1.548e-07
-11
-11.5
-12
-12.5
-13
-13.5
-14
-14.5
-15
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 57.7 / 46
p0 1.443 ± 0.001552
p1 5.387e-17 ± 8.337e-07
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.224e+05 / 46
p0 -15.49 ± 0.004563
p1 0.4505 ± 1.836e-07
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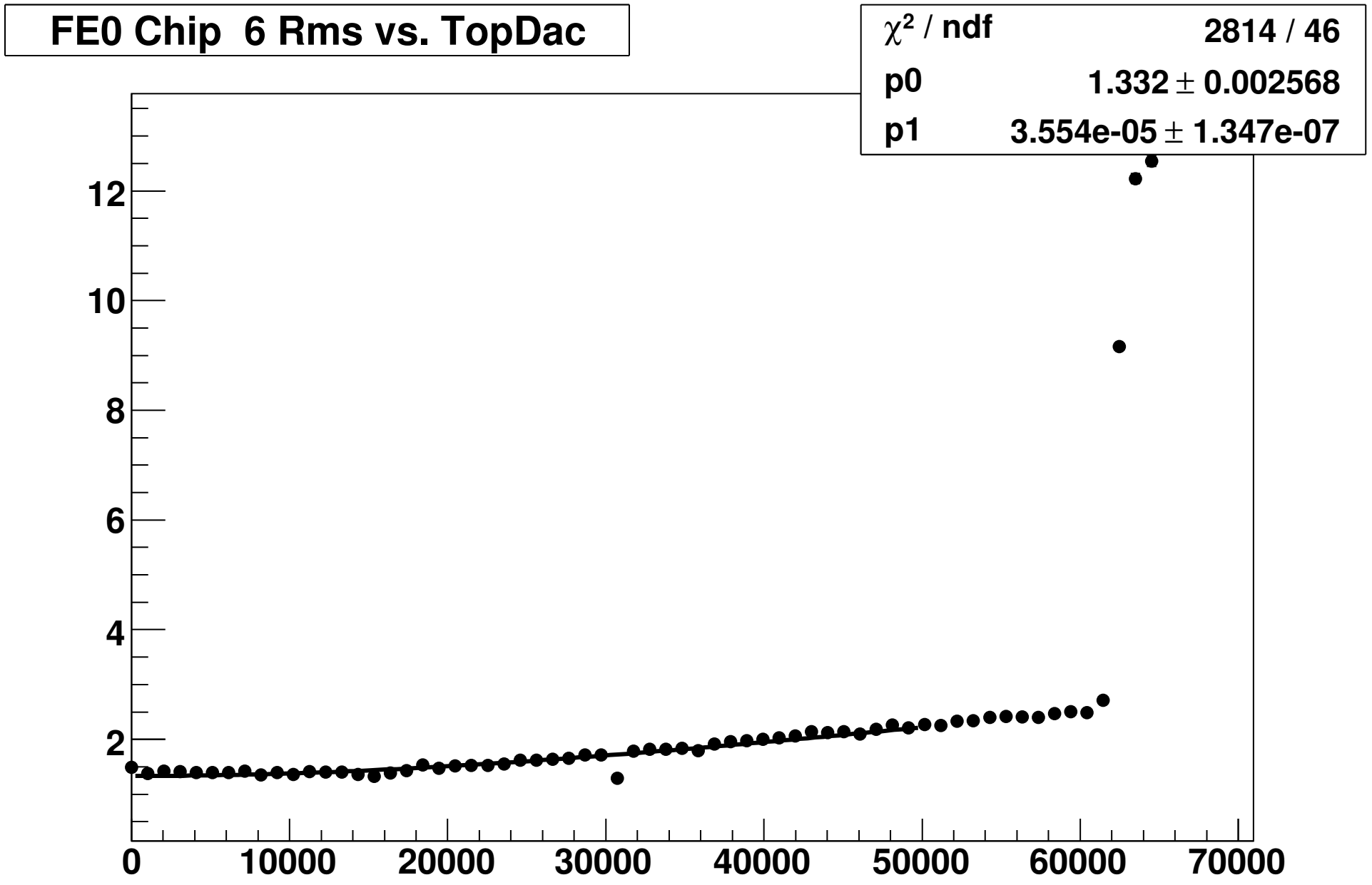
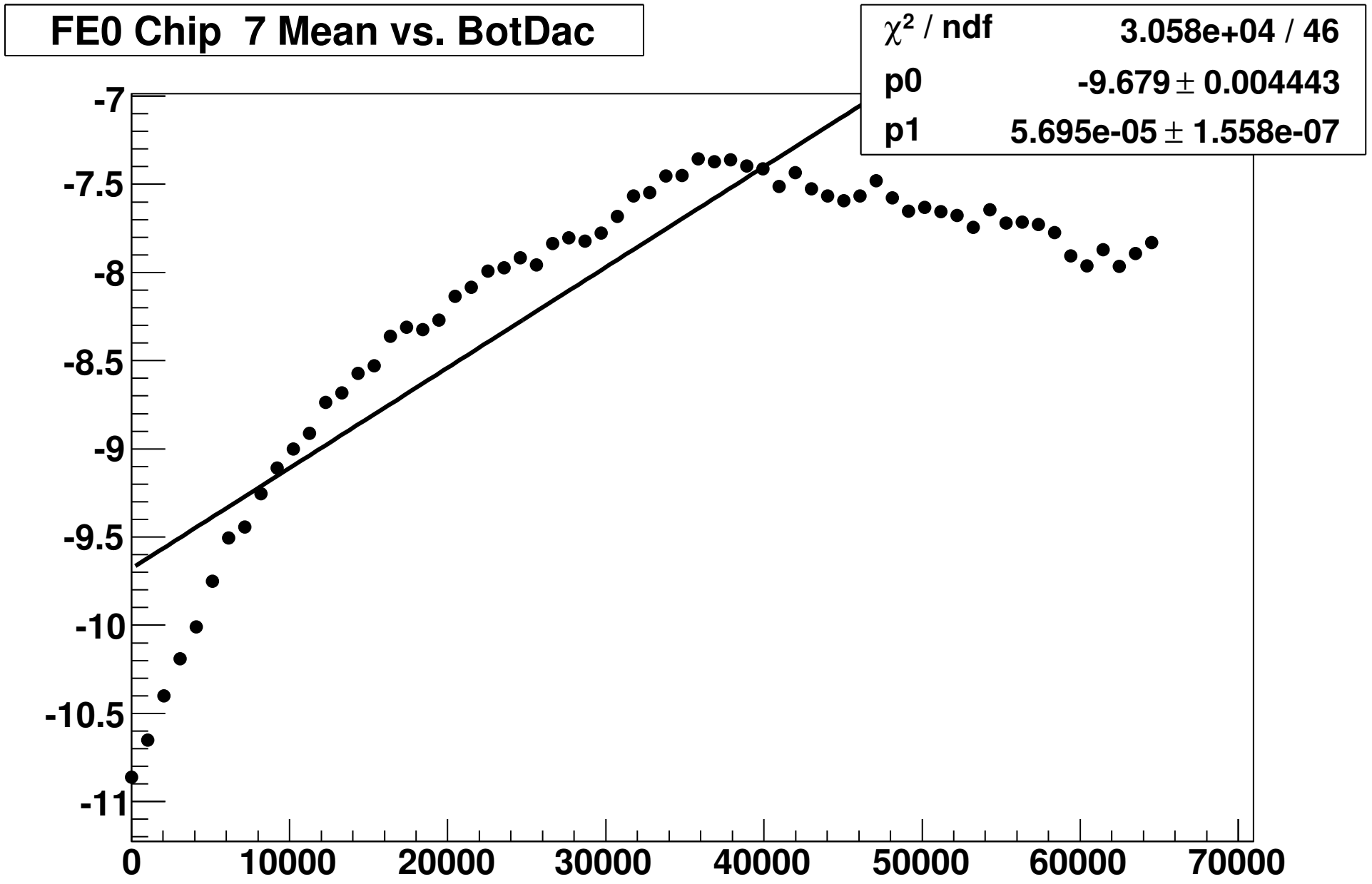
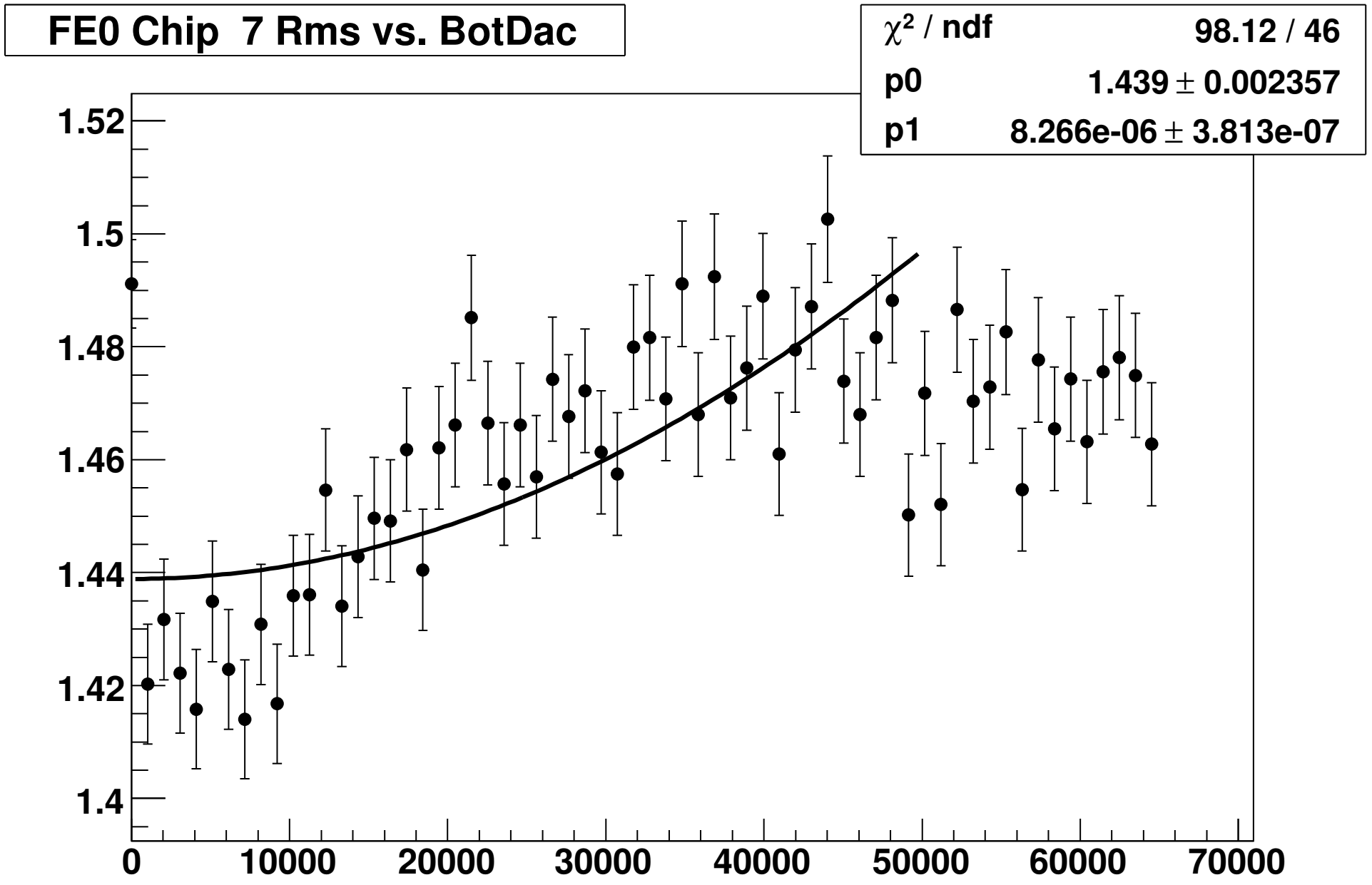
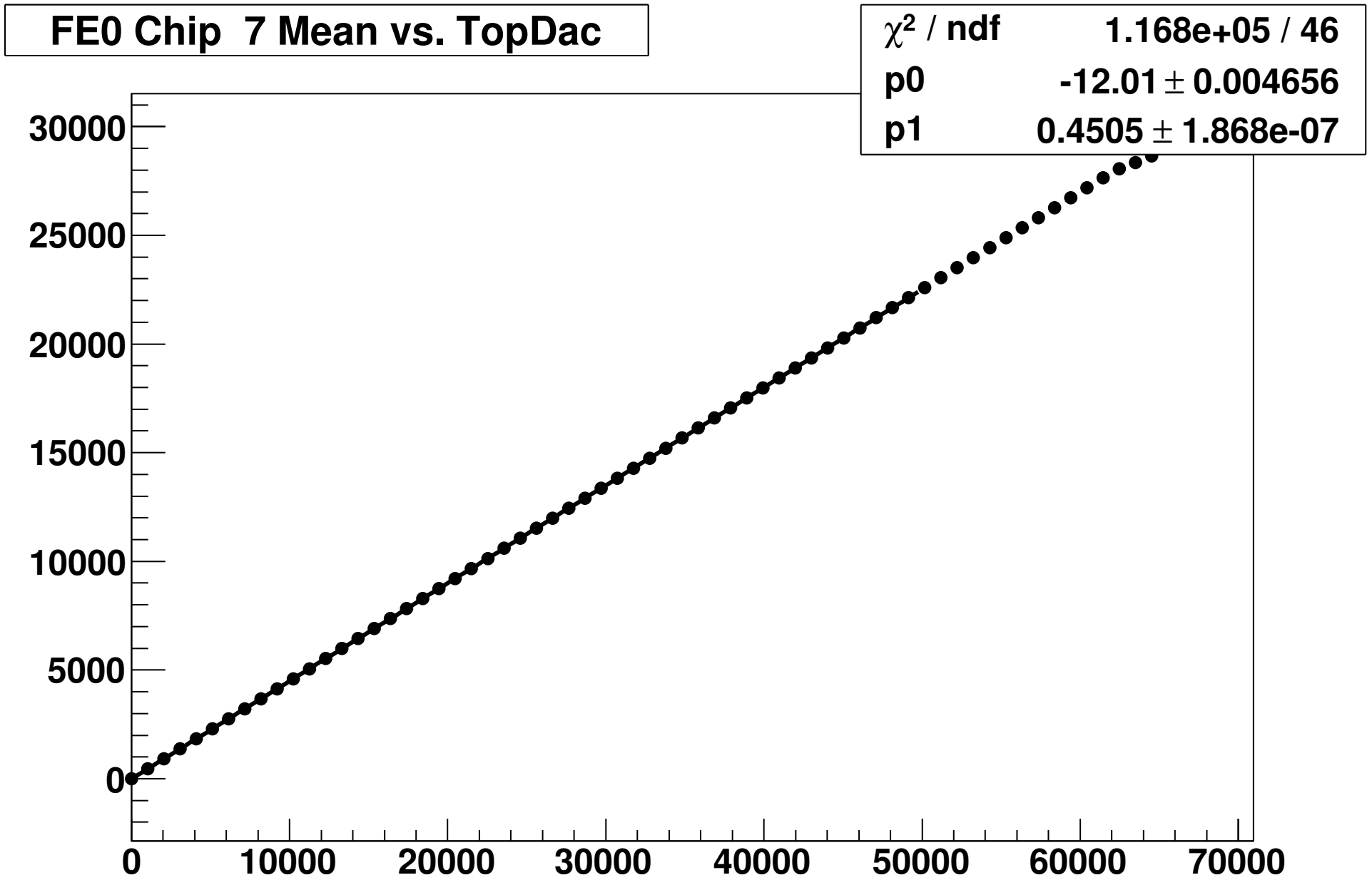
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 2814 / 46
p0 1.332 ± 0.002568
p1 3.554e-05 ± 1.347e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 3.058e+04 / 46
p0 -9.679 ± 0.004443
p1 5.695e-05 ± 1.558e-07
-7
-7.5
-8
-8.5
-9
-9.5
-10
-10.5
-11
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 98.12 / 46
p0 1.439 ± 0.002357
p1 8.266e-06 ± 3.813e-07
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.168e+05 / 46
p0 -12.01 ± 0.004656
p1 0.4505 ± 1.868e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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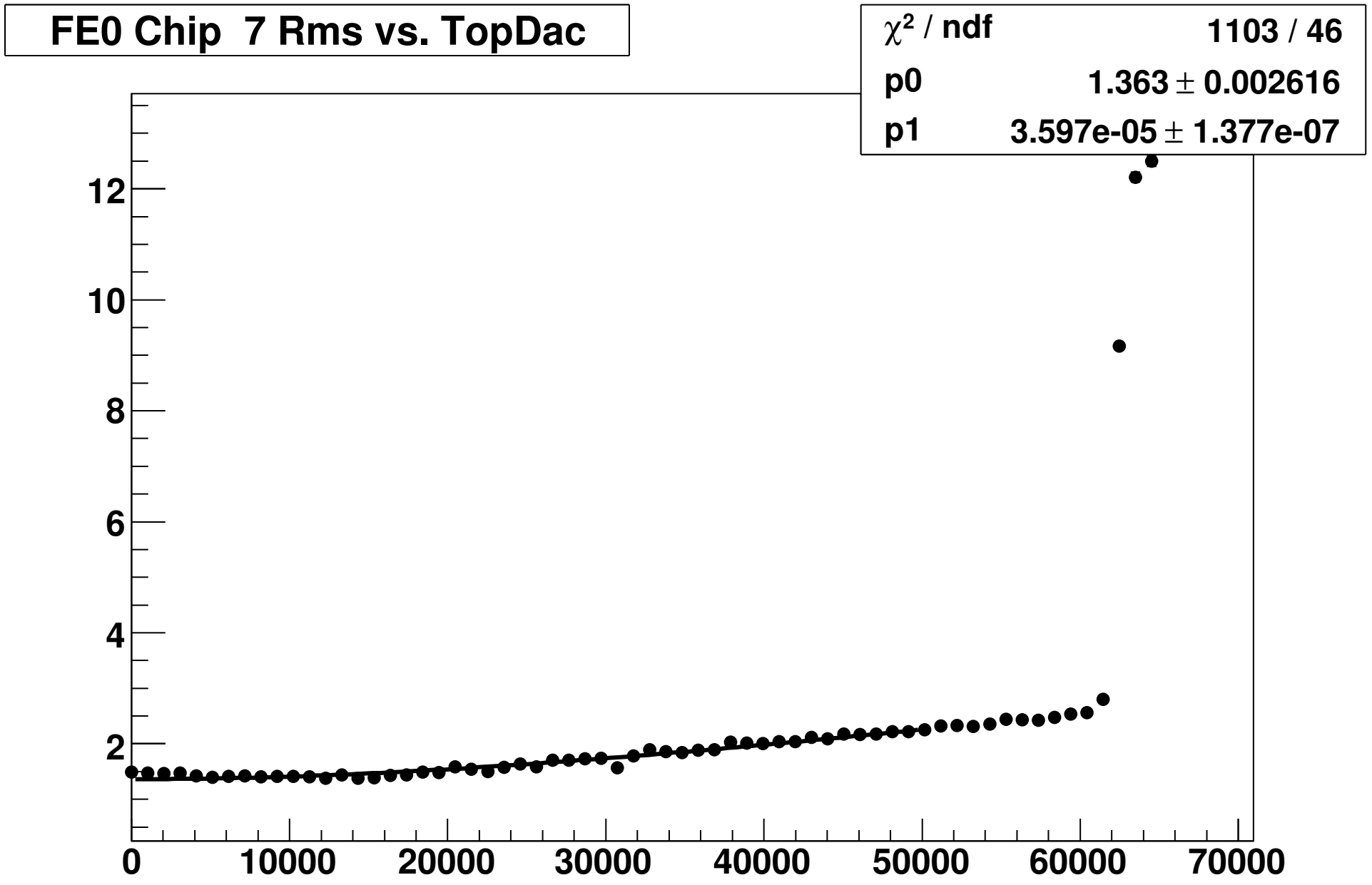
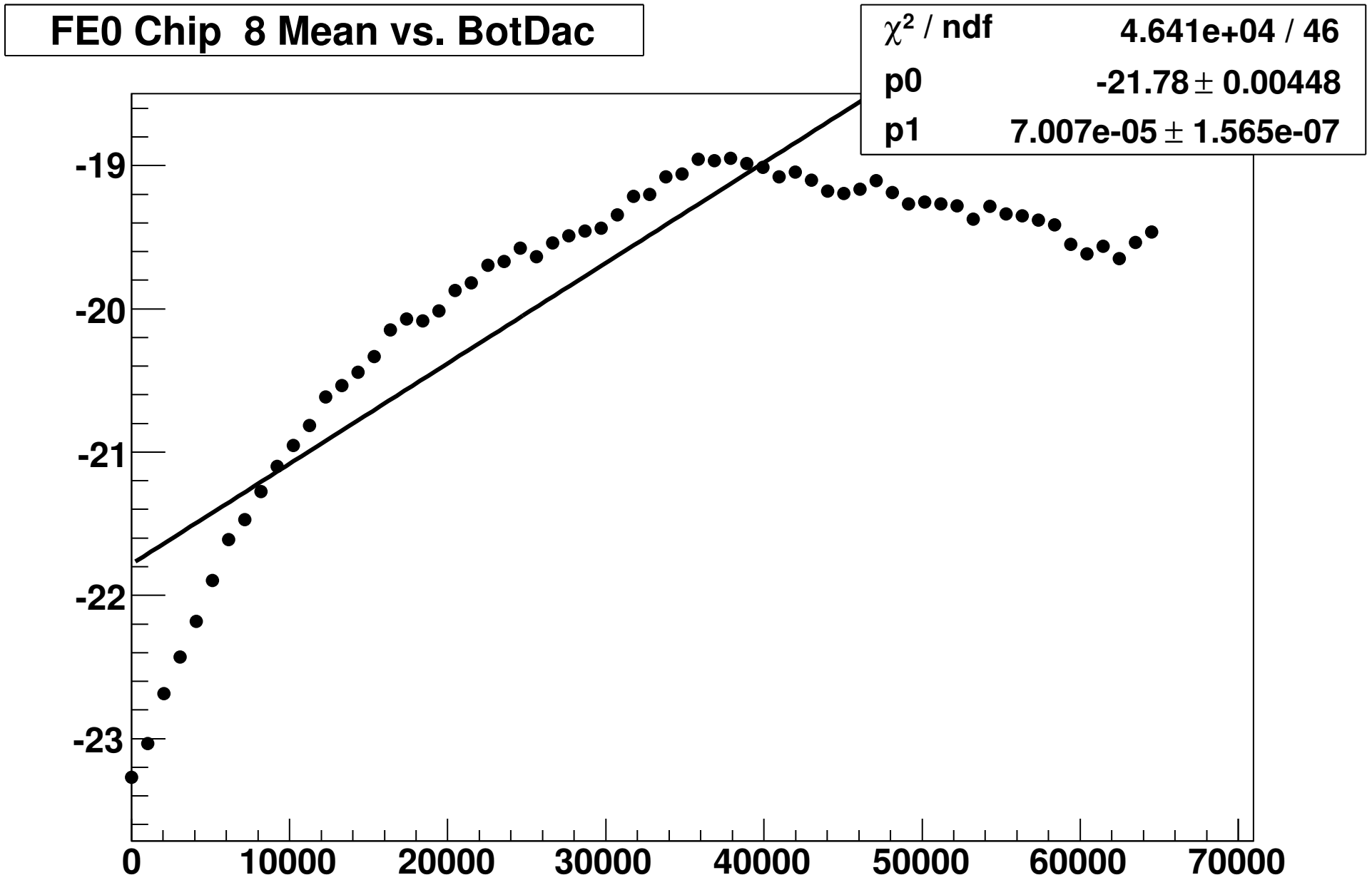
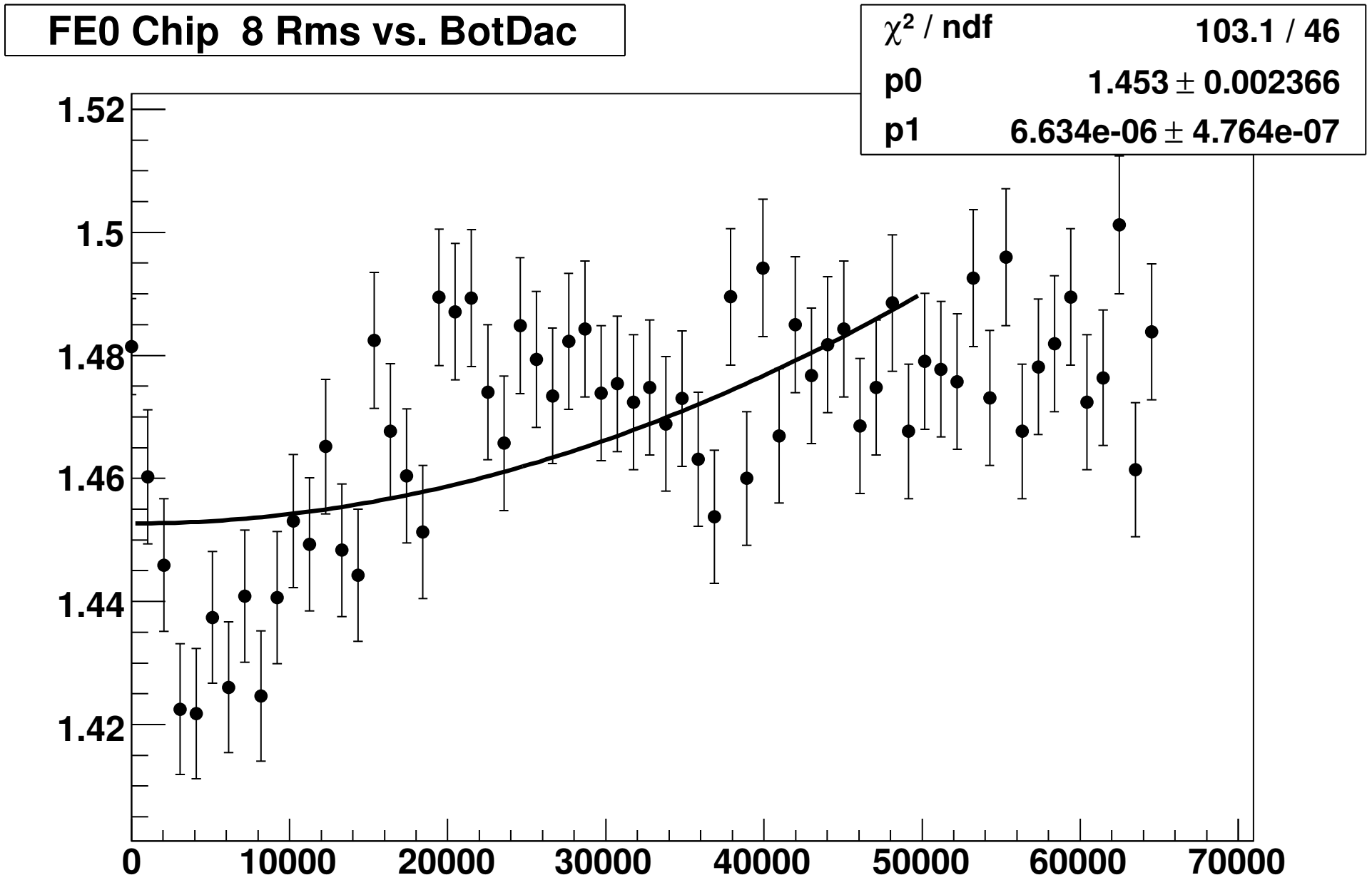
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1103 / 46
p0 1.363 ± 0.002616
p1 3.597e-05 ± 1.377e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 4.641e+04 / 46
p0 -21.78 ± 0.00448
p1 7.007e-05 ± 1.565e-07
-19
-20
-21
-22
-23
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 103.1 / 46
p0 1.453 ± 0.002366
p1 6.634e-06 ± 4.764e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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40000
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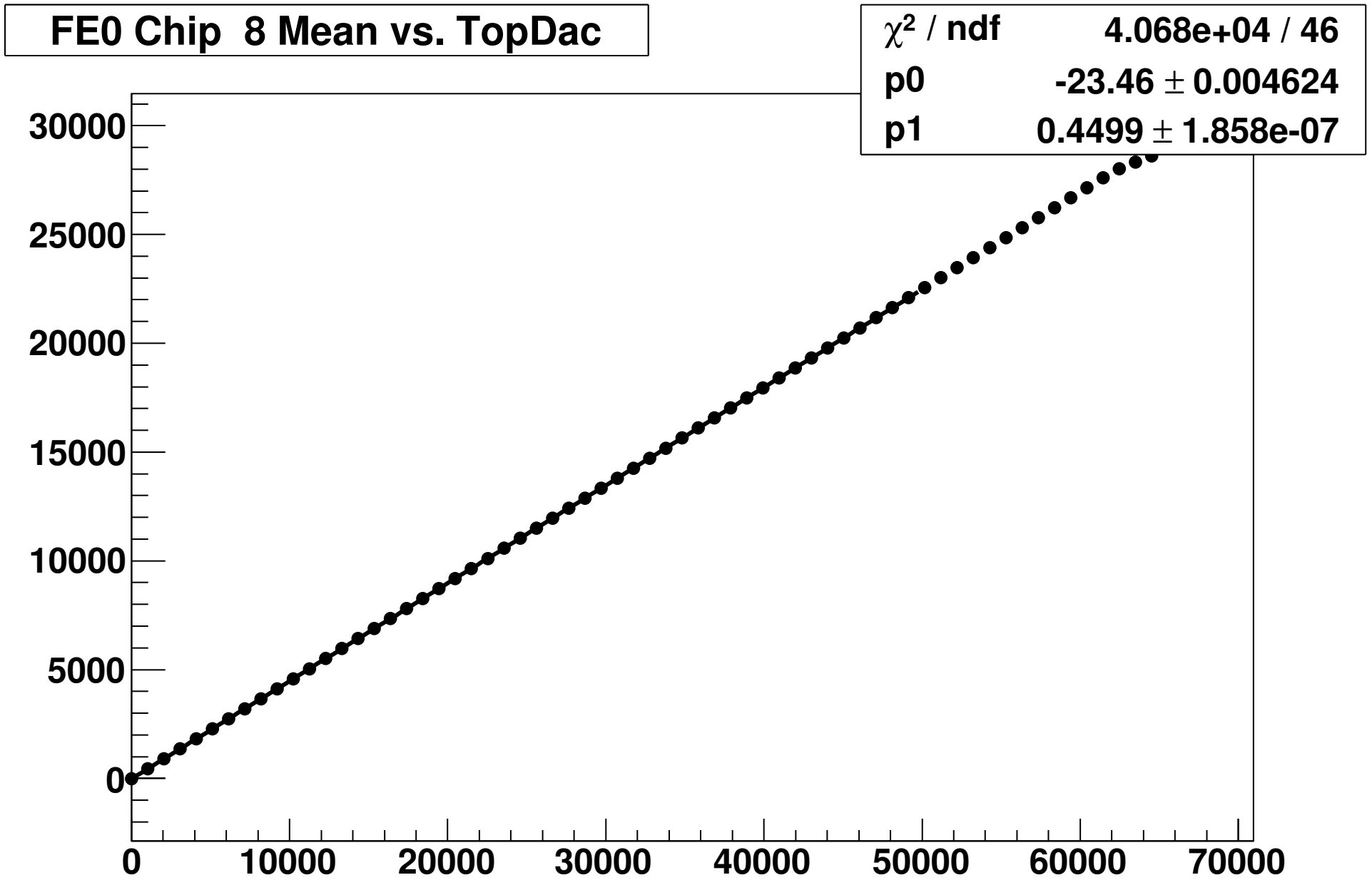
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 4.068e+04 / 46
p0 -23.46 ± 0.004624
p1 0.4499 ± 1.858e-07
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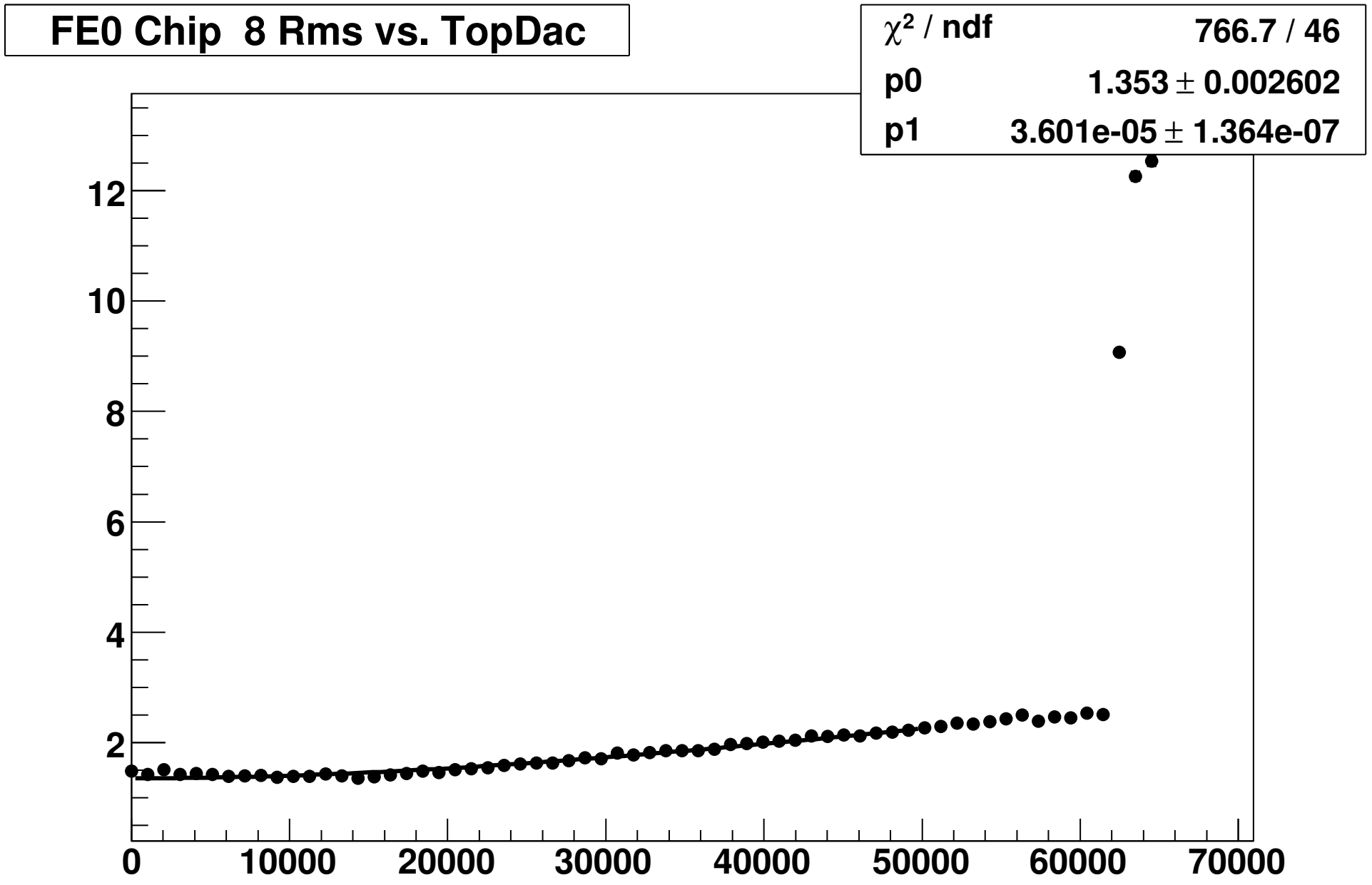
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 766.7 / 46
p0 1.353 ± 0.002602
p1 3.601e-05 ± 1.364e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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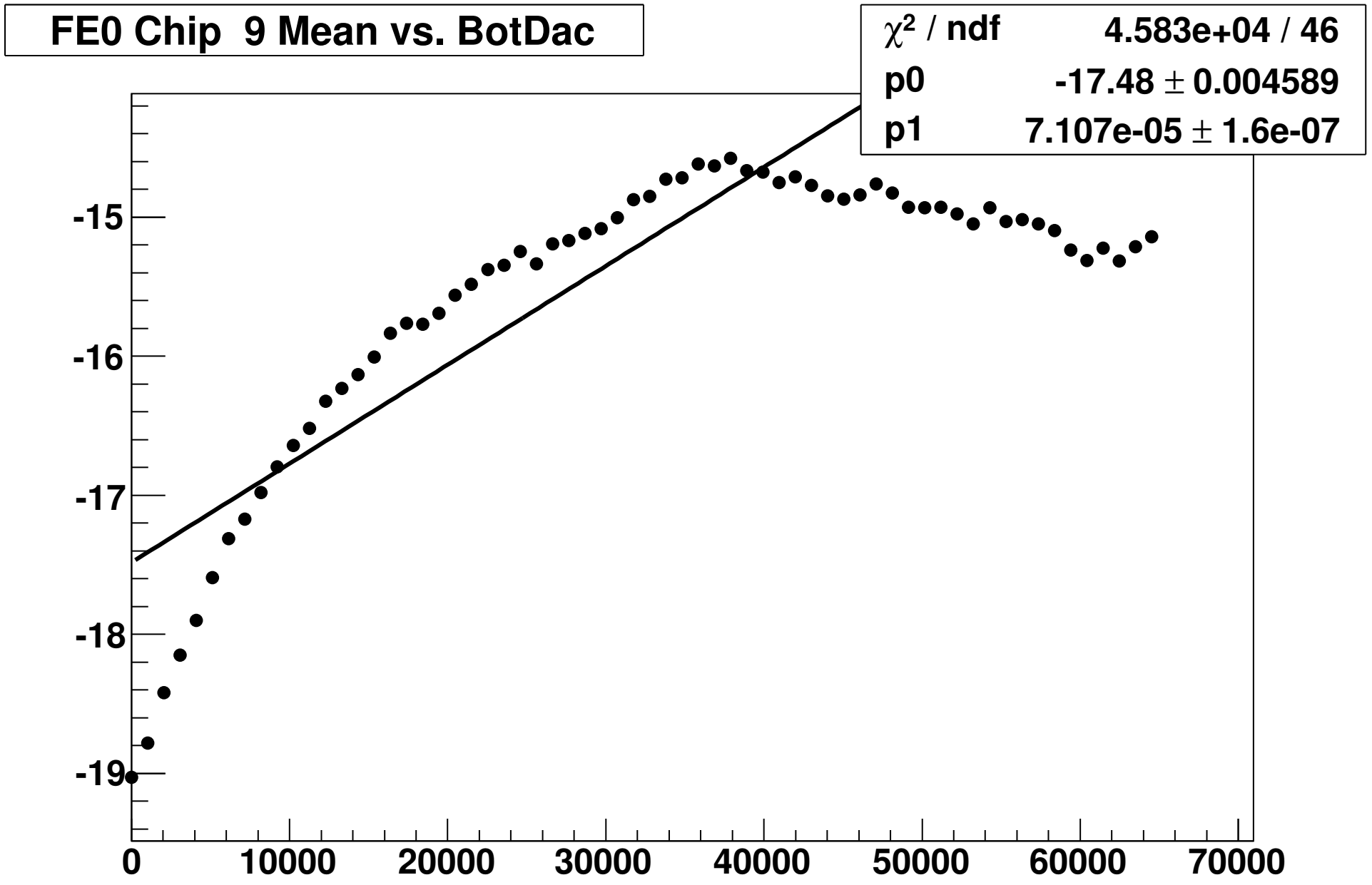
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 4.583e+04 / 46
p0 -17.48 ± 0.004589
p1 7.107e-05 ± 1.6e-07
-15
-16
-17
-18
-19
0
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30000
40000
50000
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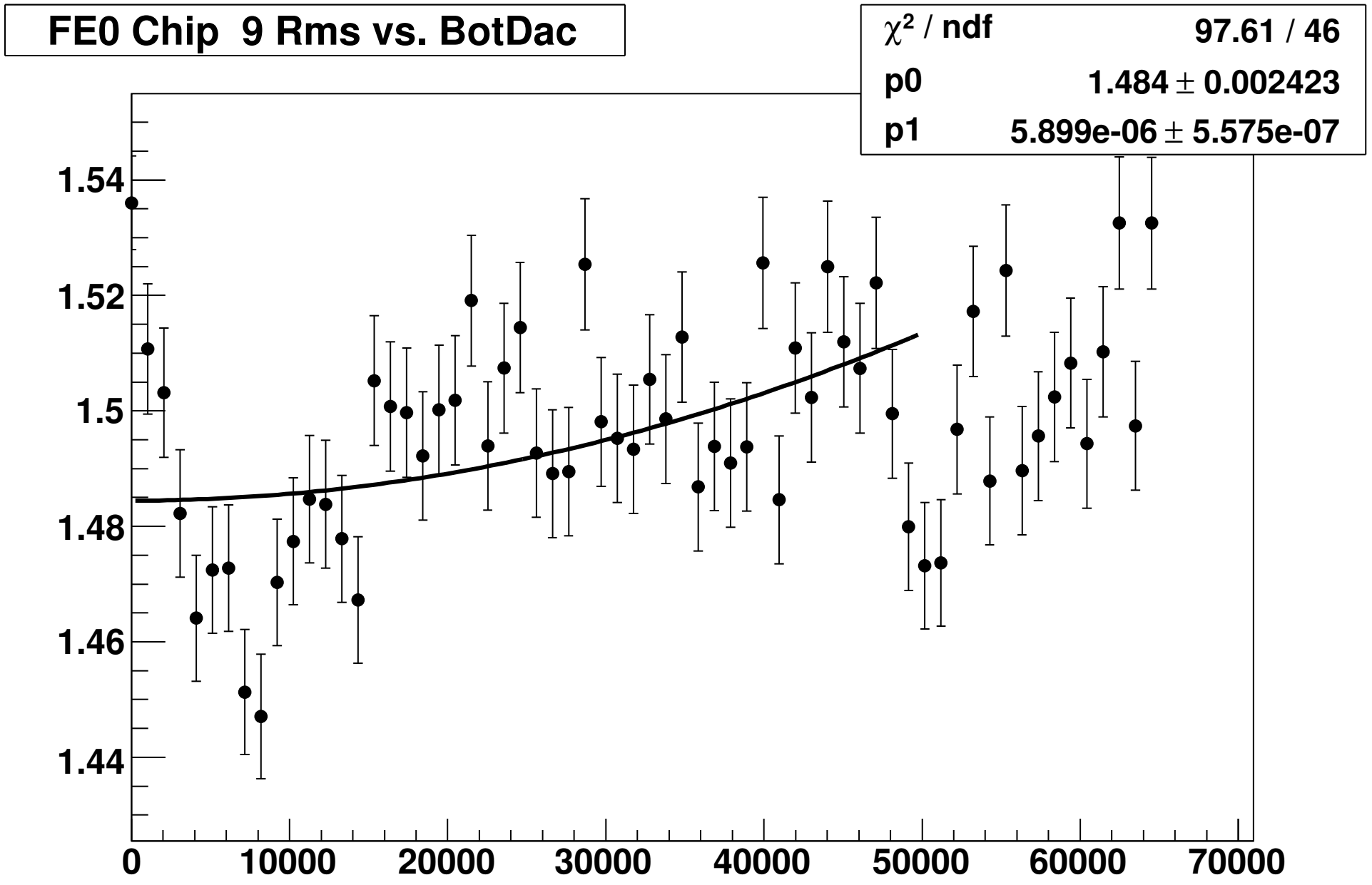
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 97.61 / 46
p0 1.484 ± 0.002423
p1 5.899e-06 ± 5.575e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
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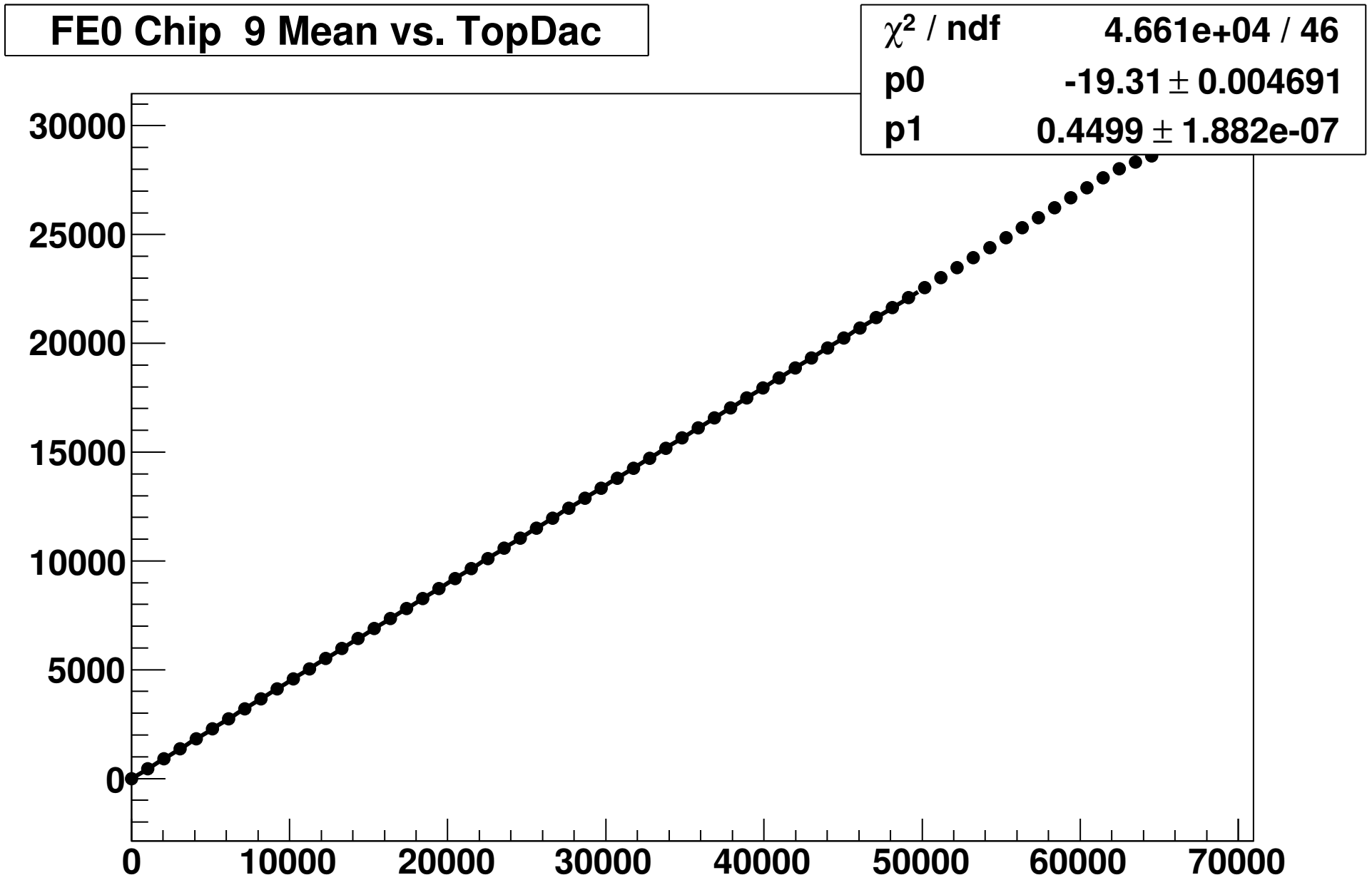
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 4.661e+04 / 46
p0 -19.31 ± 0.004691
p1 0.4499 ± 1.882e-07
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15000
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10000
20000
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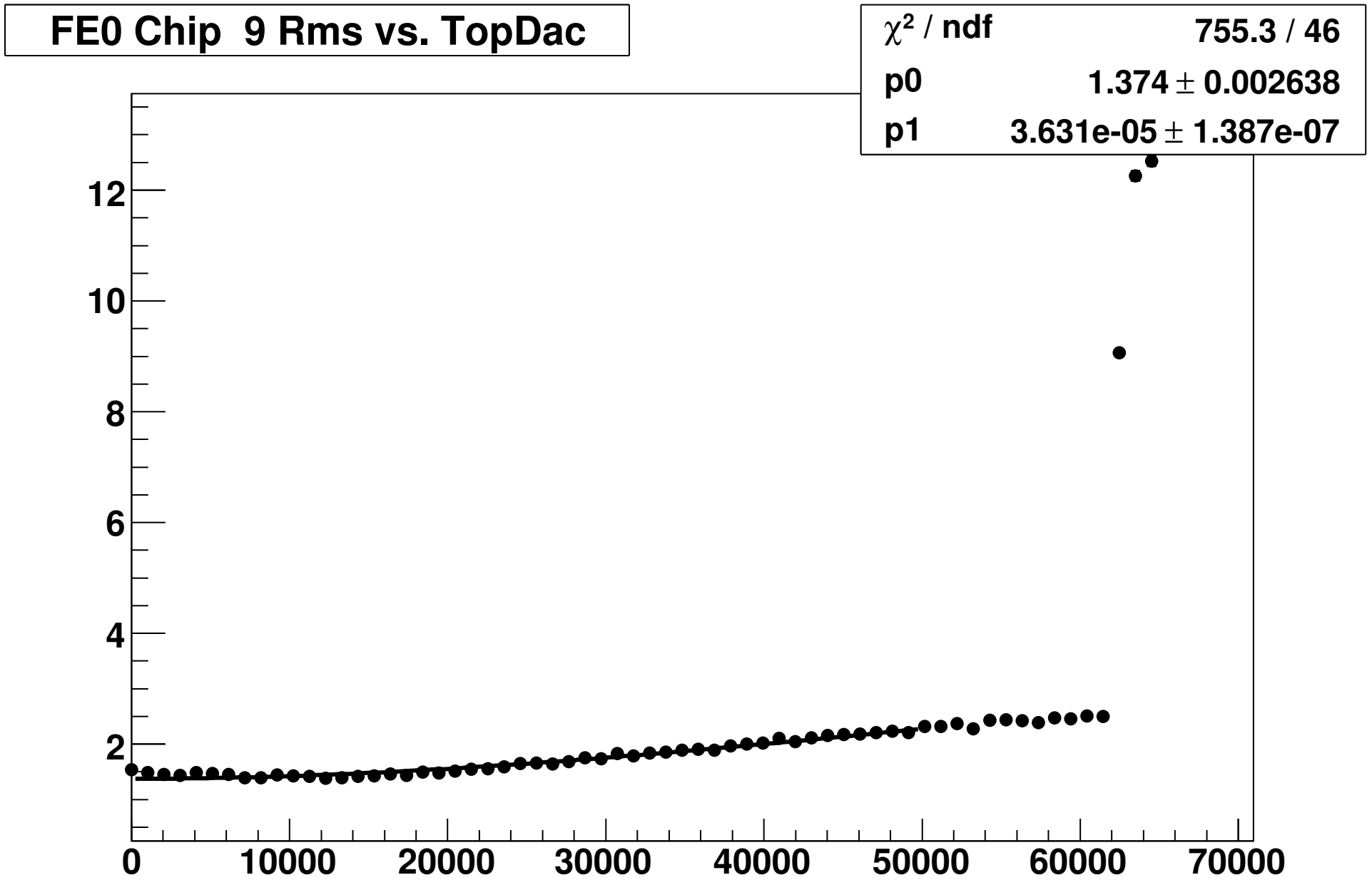
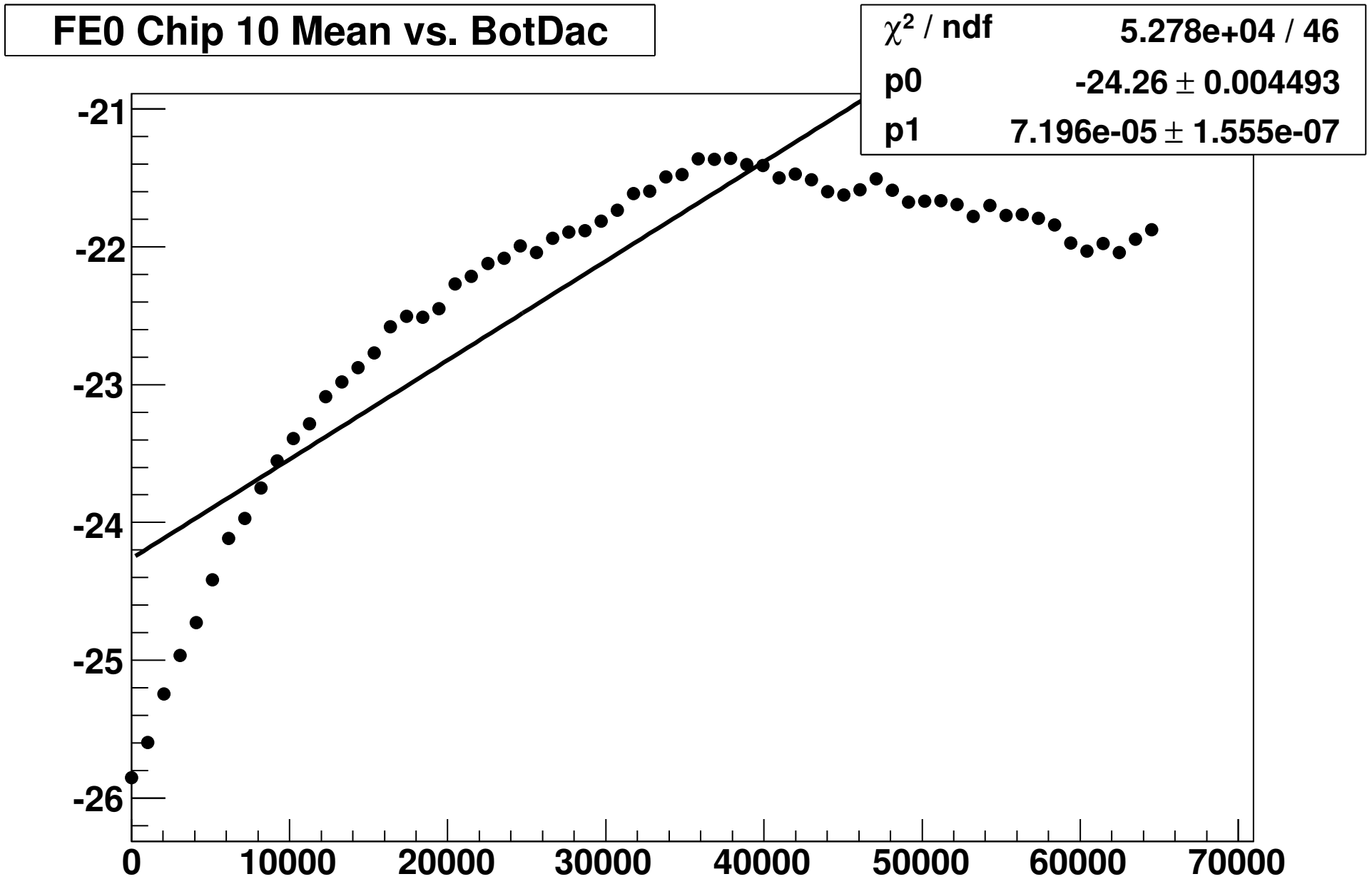

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 755.3 / 46
p0 1.374 ± 0.002638
p1 3.631e-05 ± 1.387e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 5.278e+04 / 46
p0 -24.26 ± 0.004493
p1 7.196e-05 ± 1.555e-07
-21
-22
-23
-24
-25
-26
0
10000
20000
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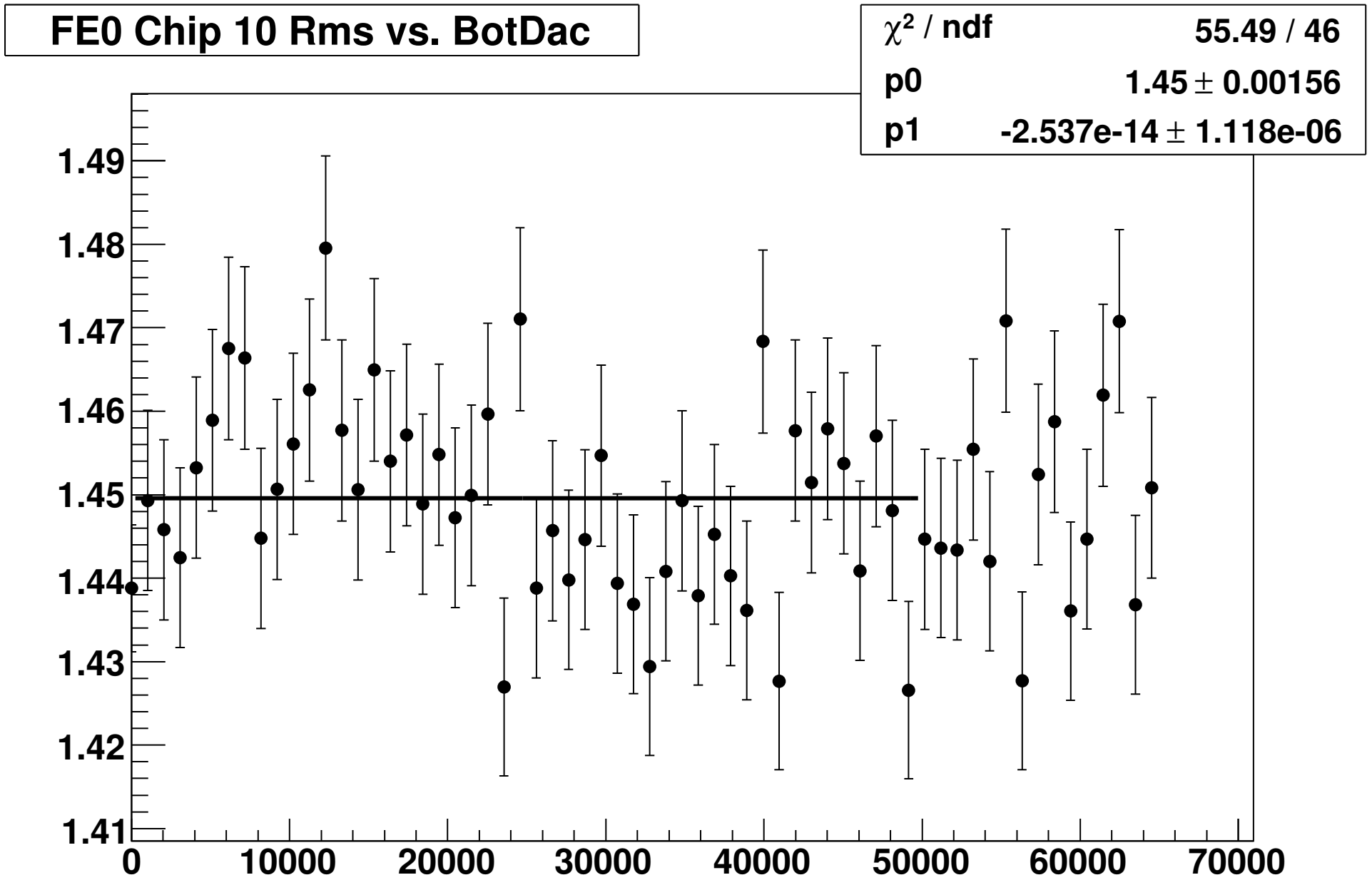
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 55.49 / 46
p0 1.45 ± 0.00156
p1 -2.537e-14 ± 1.118e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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30000
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50000
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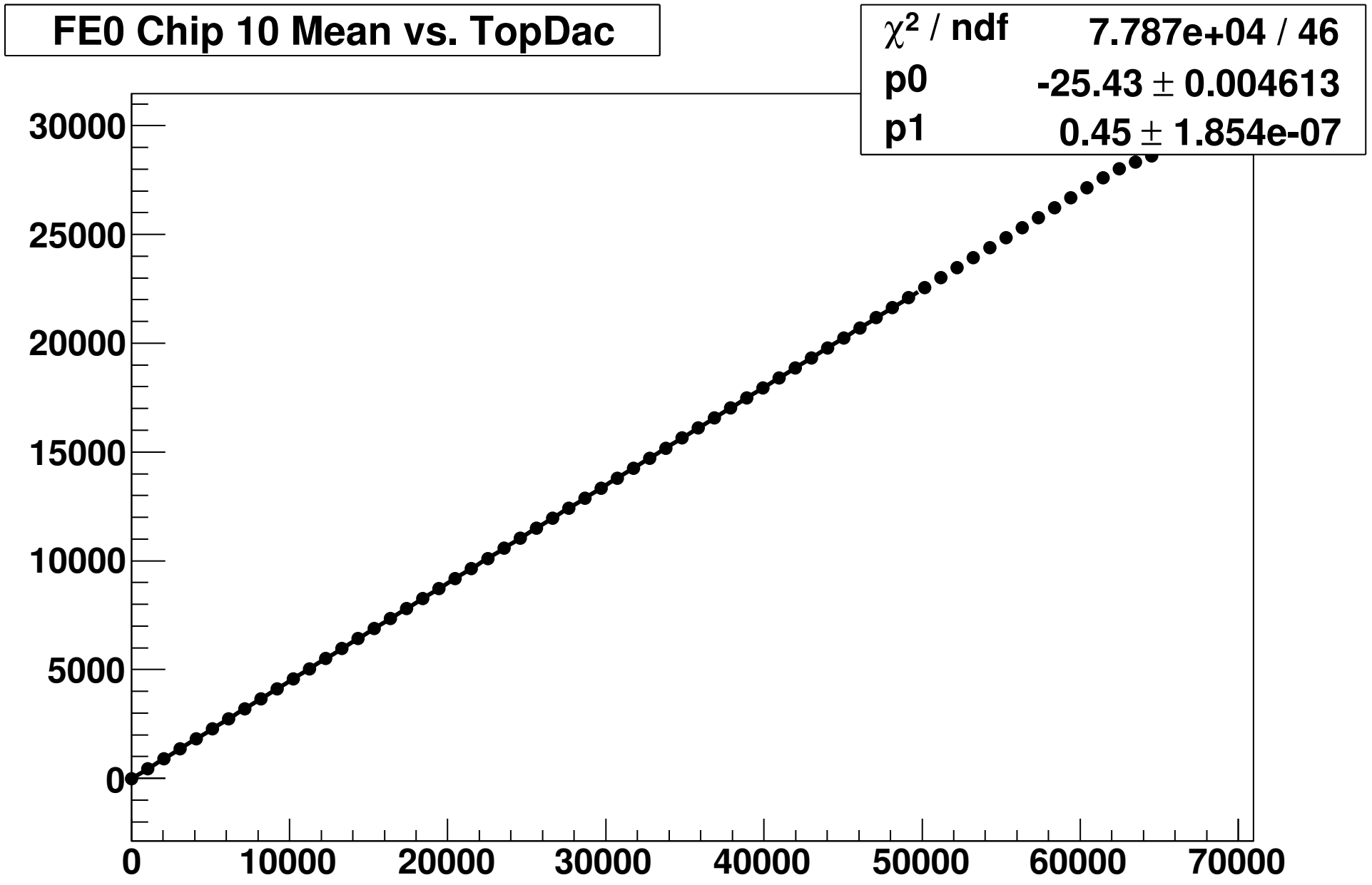
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 7.787e+04 / 46
p0 -25.43 ± 0.004613
p1 0.45 ± 1.854e-07
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20000
15000
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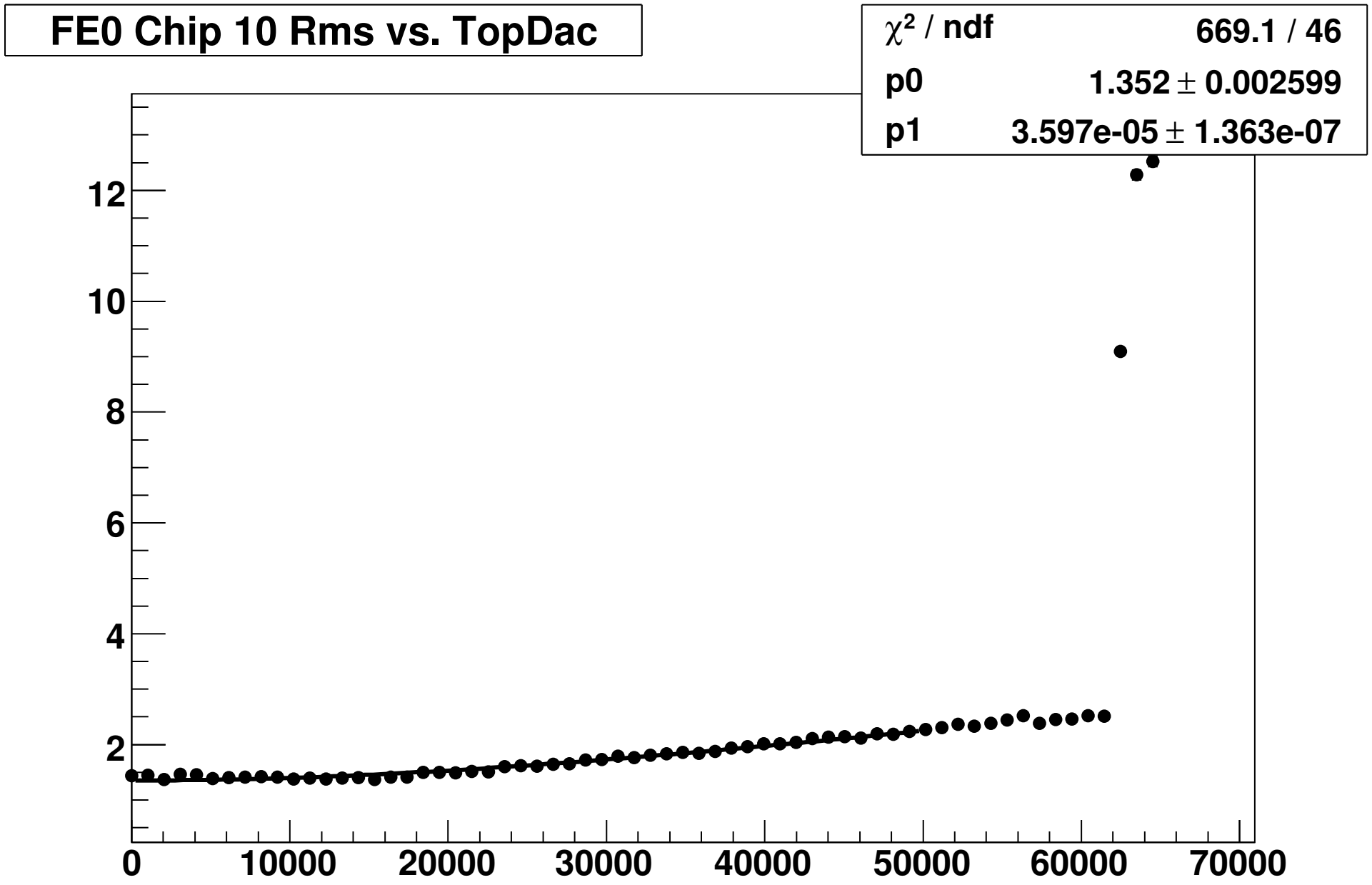
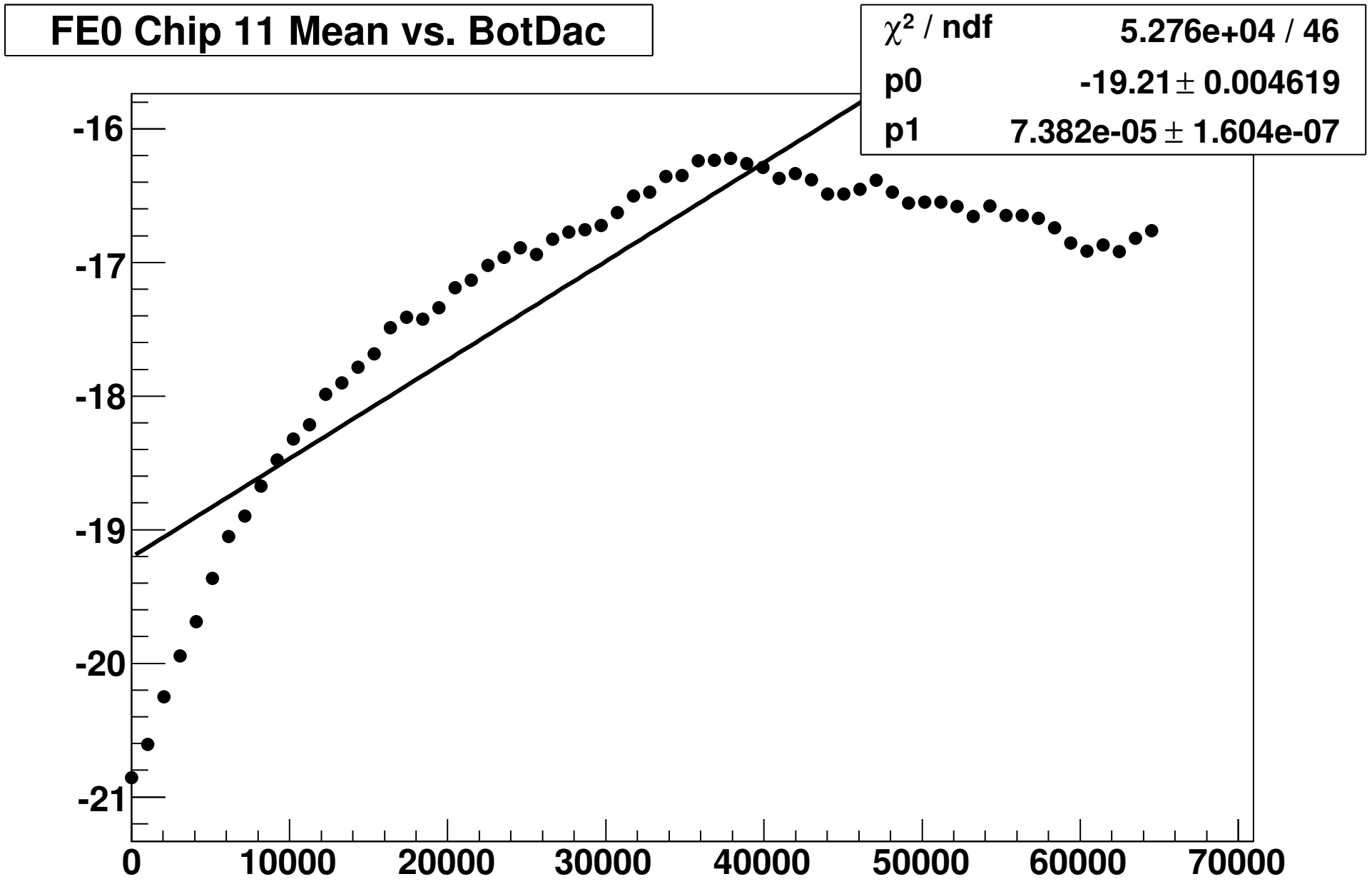
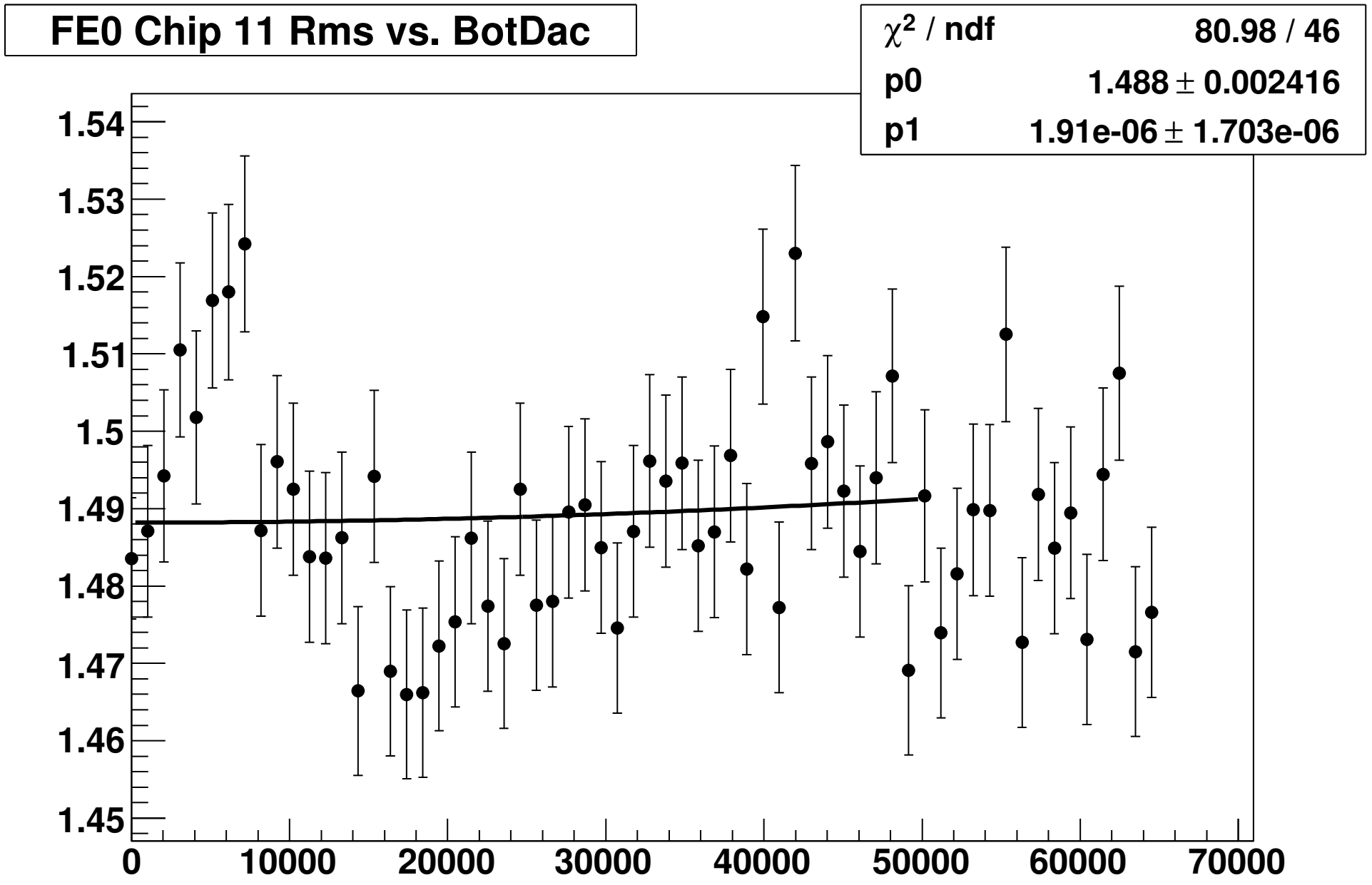
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 669.1 / 46
p0 1.352 ± 0.002599
p1 3.597e-05 ± 1.363e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 5.276e+04 / 46
p0 -19.21 ± 0.004619
p1 7.382e-05 ± 1.604e-07
-16
-17
-18
-19
-20
-21
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 80.98 / 46
p0 1.488 ± 0.002416
p1 1.91e-06 ± 1.703e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
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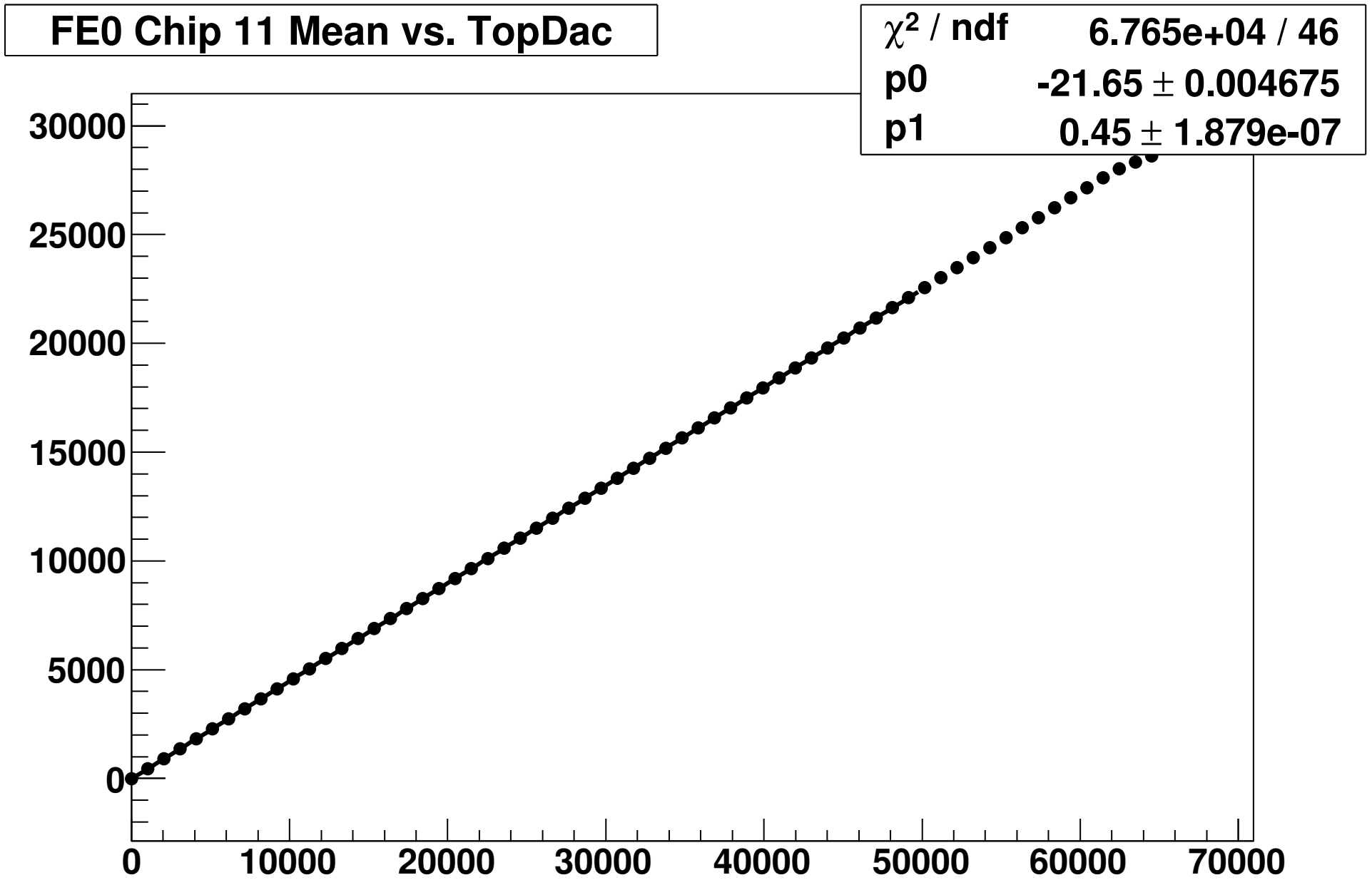
FE0 Chip 11 Mean vs. TopDac
χ² / ndf 6.765e+04 / 46
p0 -21.65 ± 0.004675
p1 0.45 ± 1.879e-07
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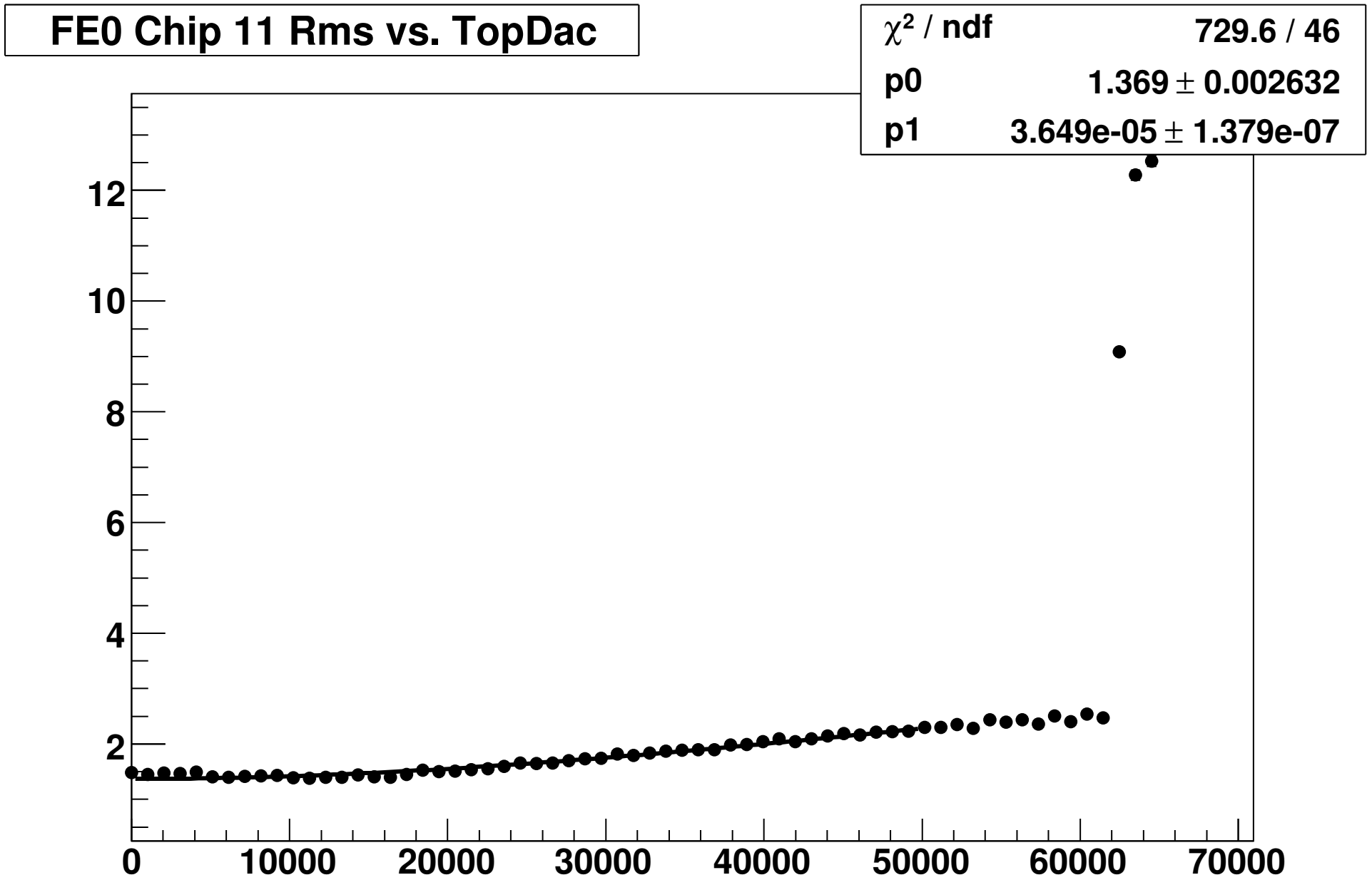
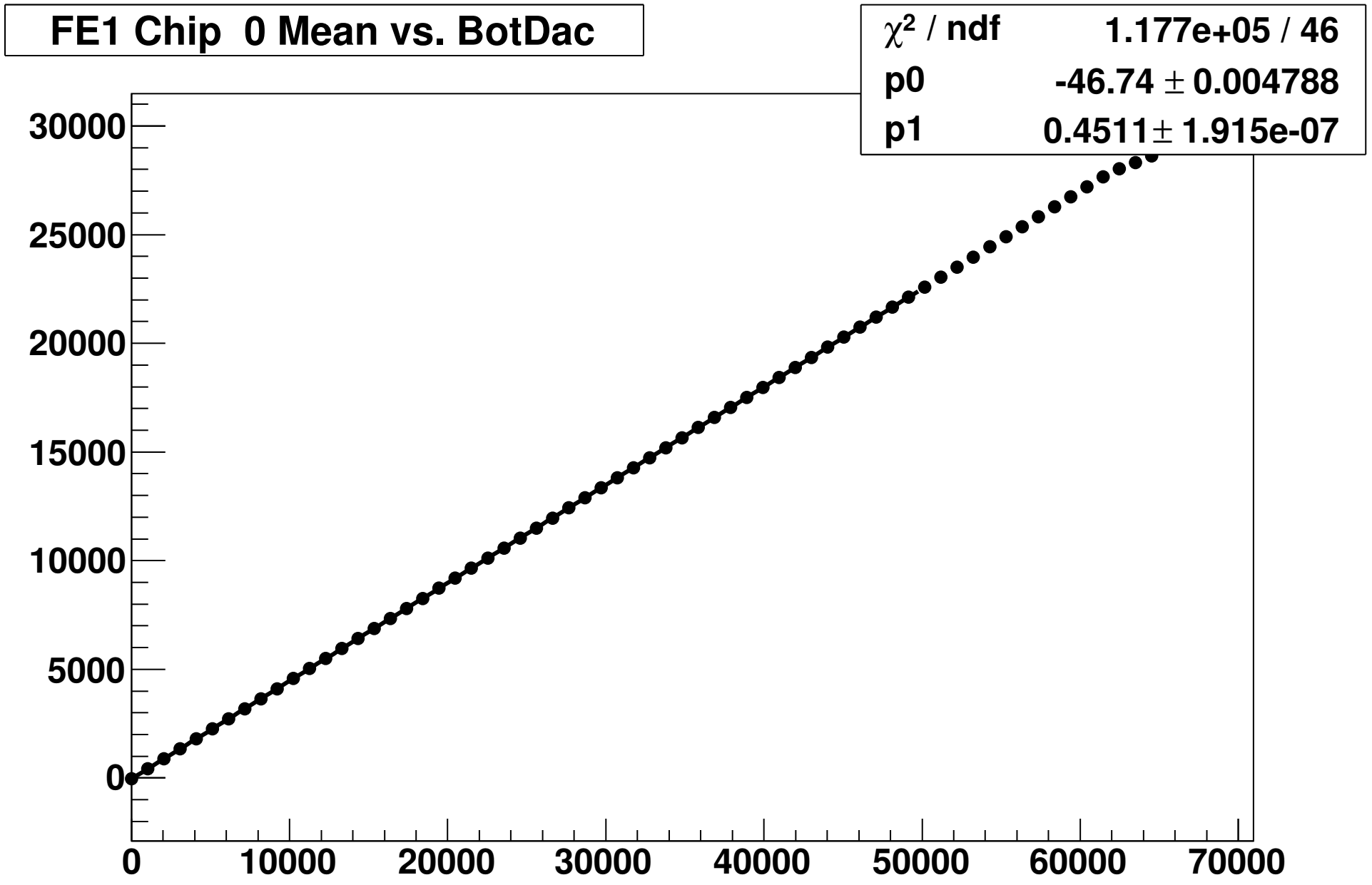
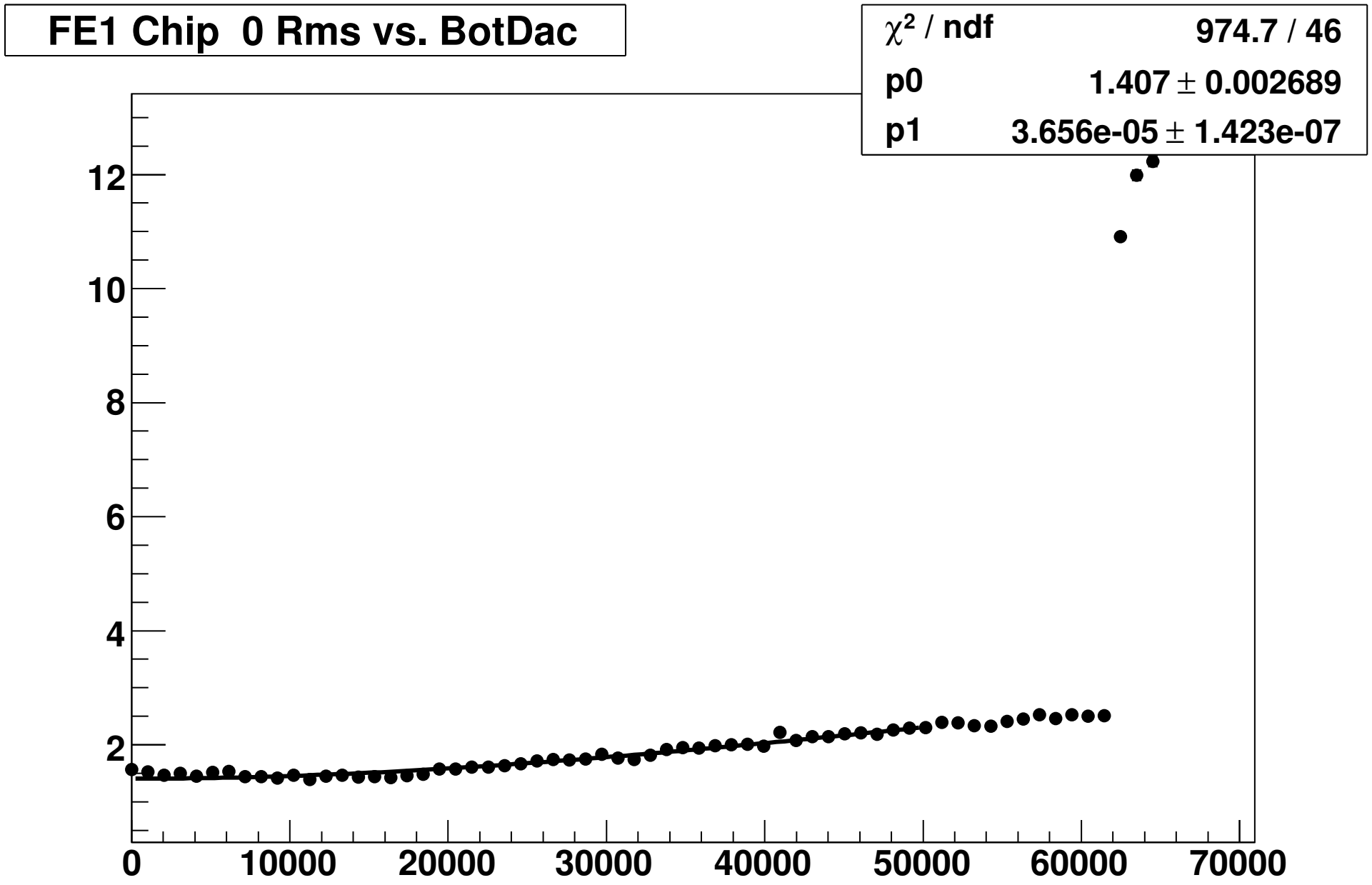
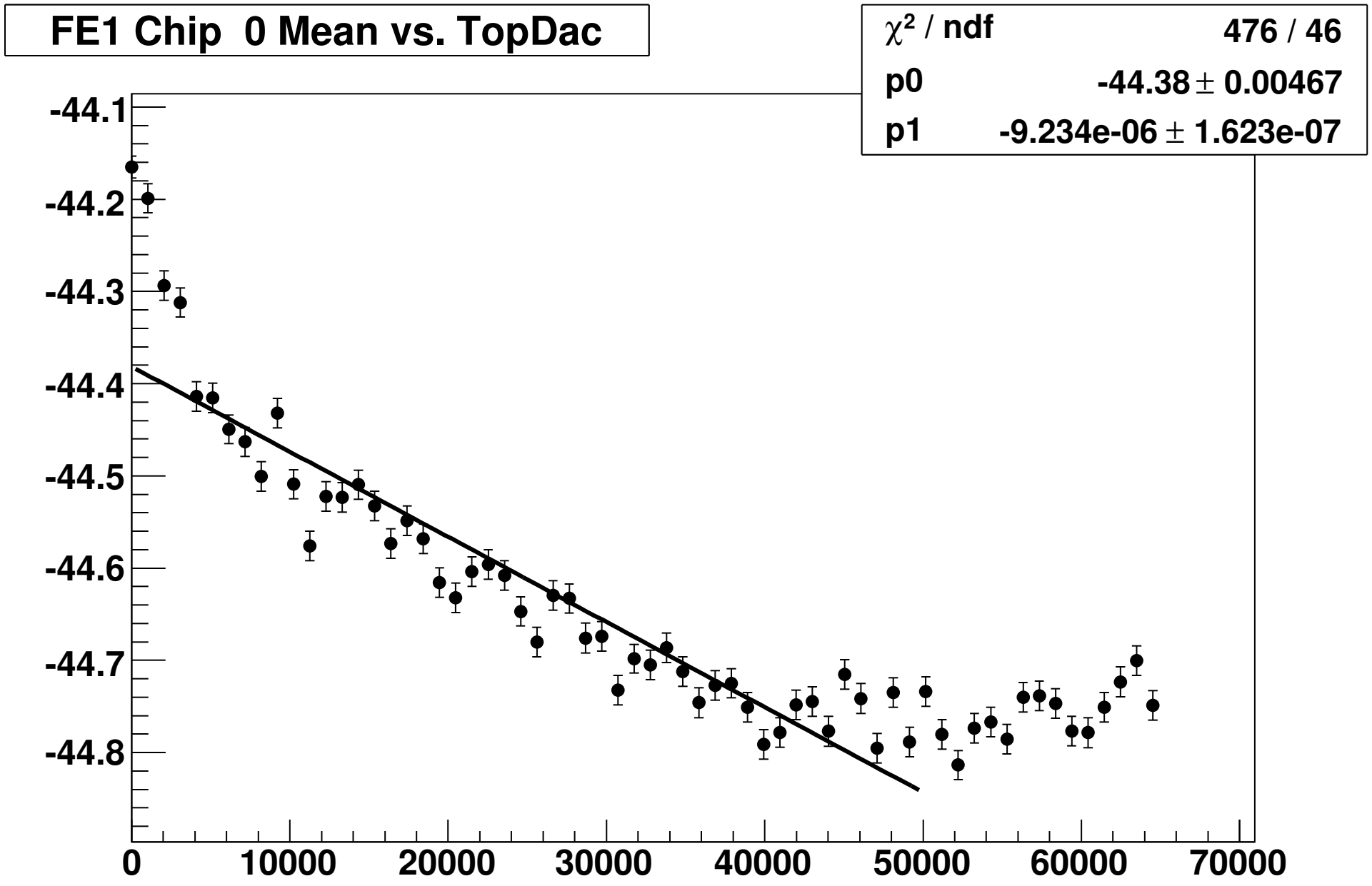
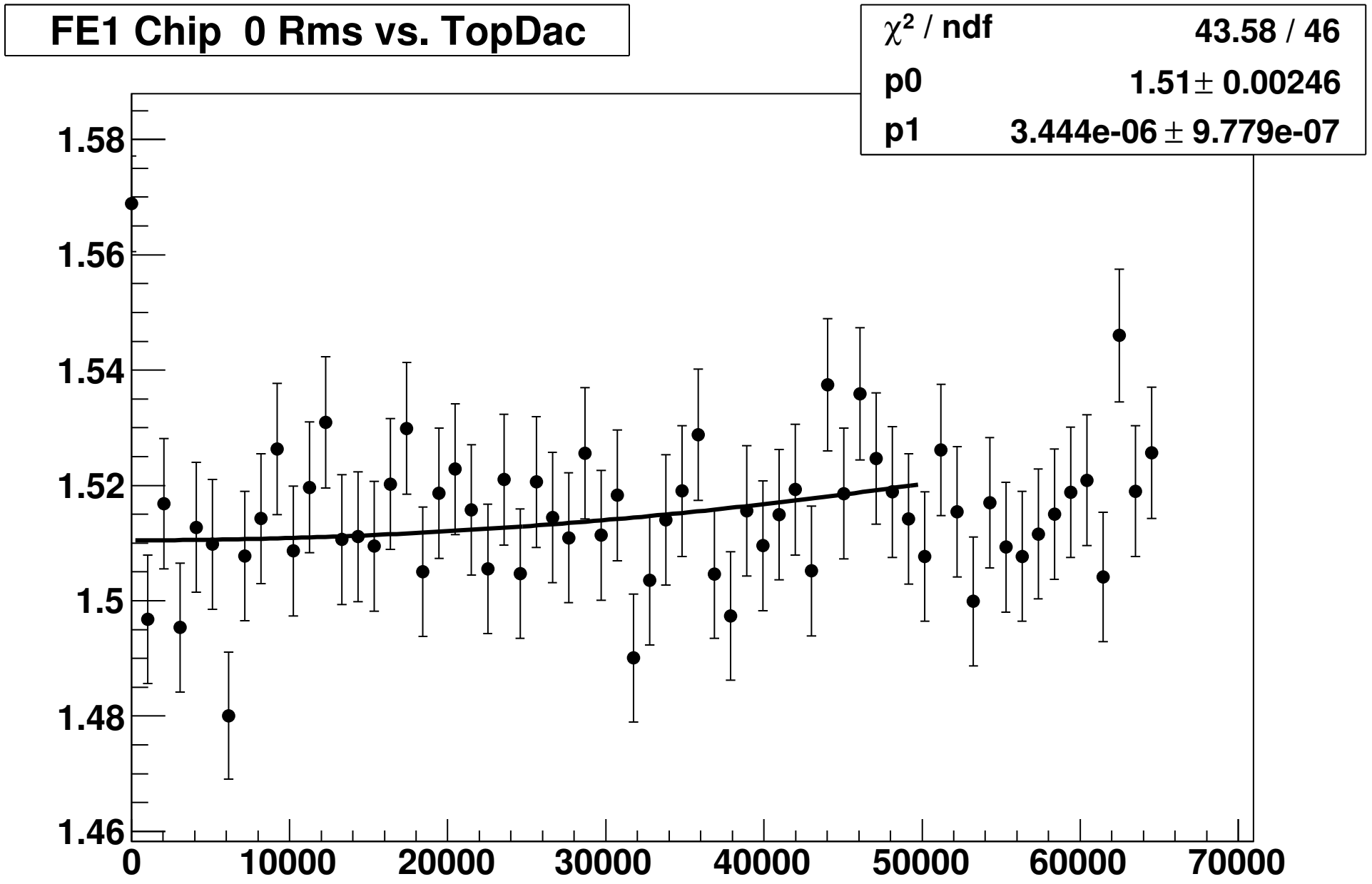
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

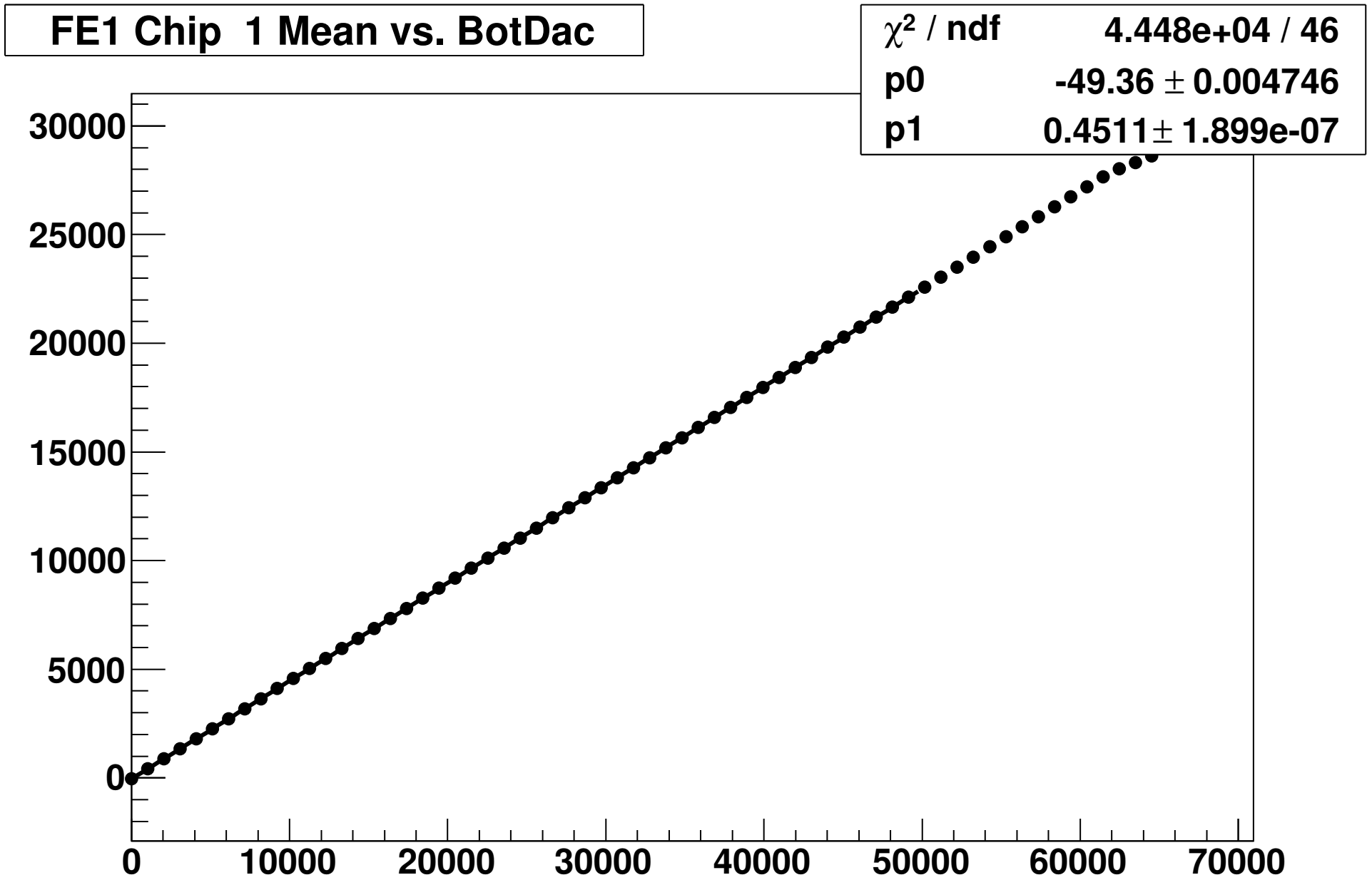

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 729.6 / 46
p0 1.369 ± 0.002632
p1 3.649e-05 ± 1.379e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.177e+05 / 46
p0 -46.74 ± 0.004788
p1 0.4511 ± 1.915e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 974.7 / 46
p0 1.407 ± 0.002689
p1 3.656e-05 ± 1.423e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 476 / 46
p0 -44.38 ± 0.00467
p1 -9.234e-06 ± 1.623e-07
-44.1
-44.2
-44.3
-44.4
-44.5
-44.6
-44.7
-44.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 43.58 / 46
p0 1.51 ± 0.00246
p1 3.444e-06 ± 9.779e-07
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 4.448e+04 / 46
p0 -49.36 ± 0.004746
p1 0.4511 ± 1.899e-07
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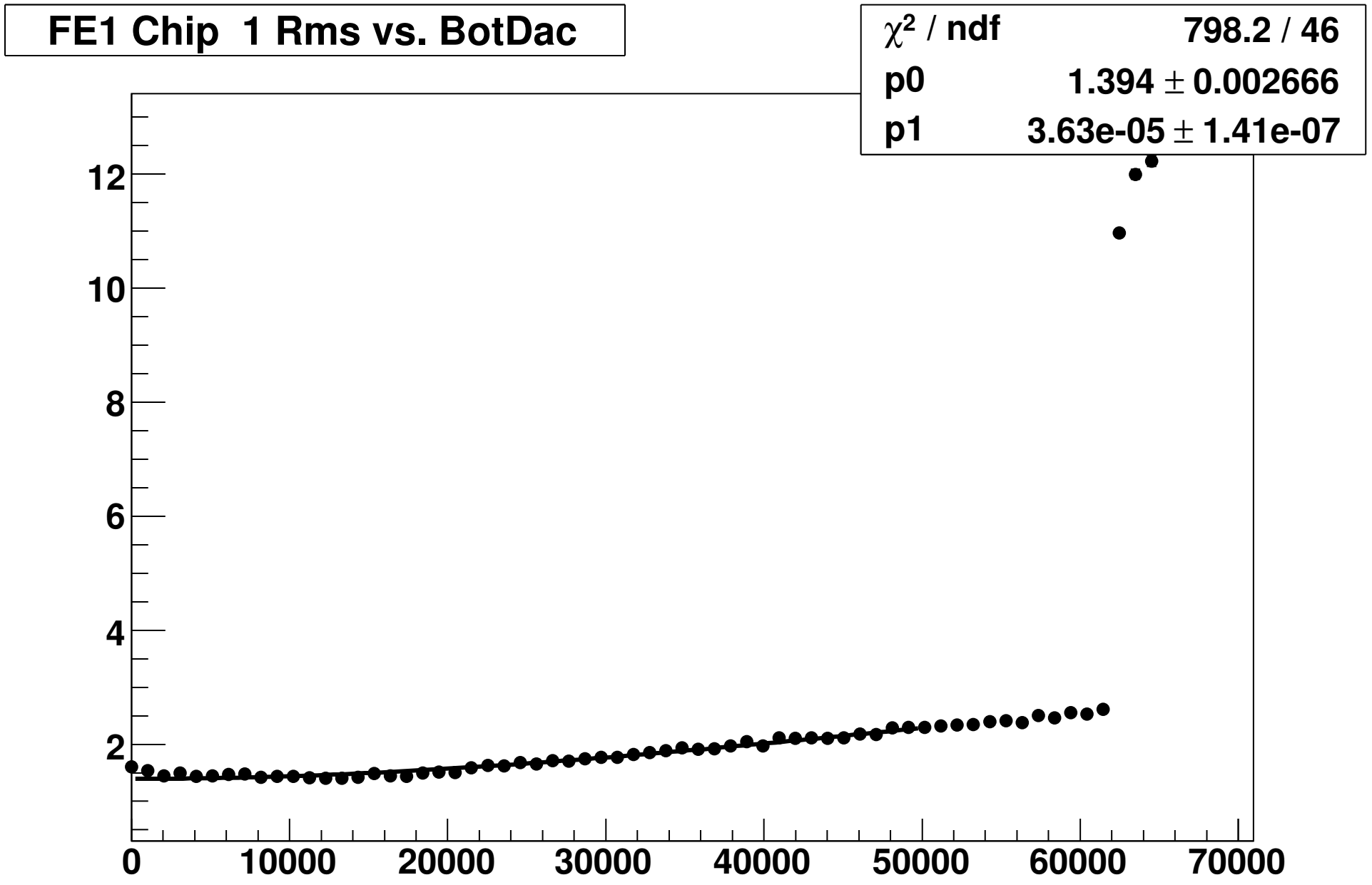
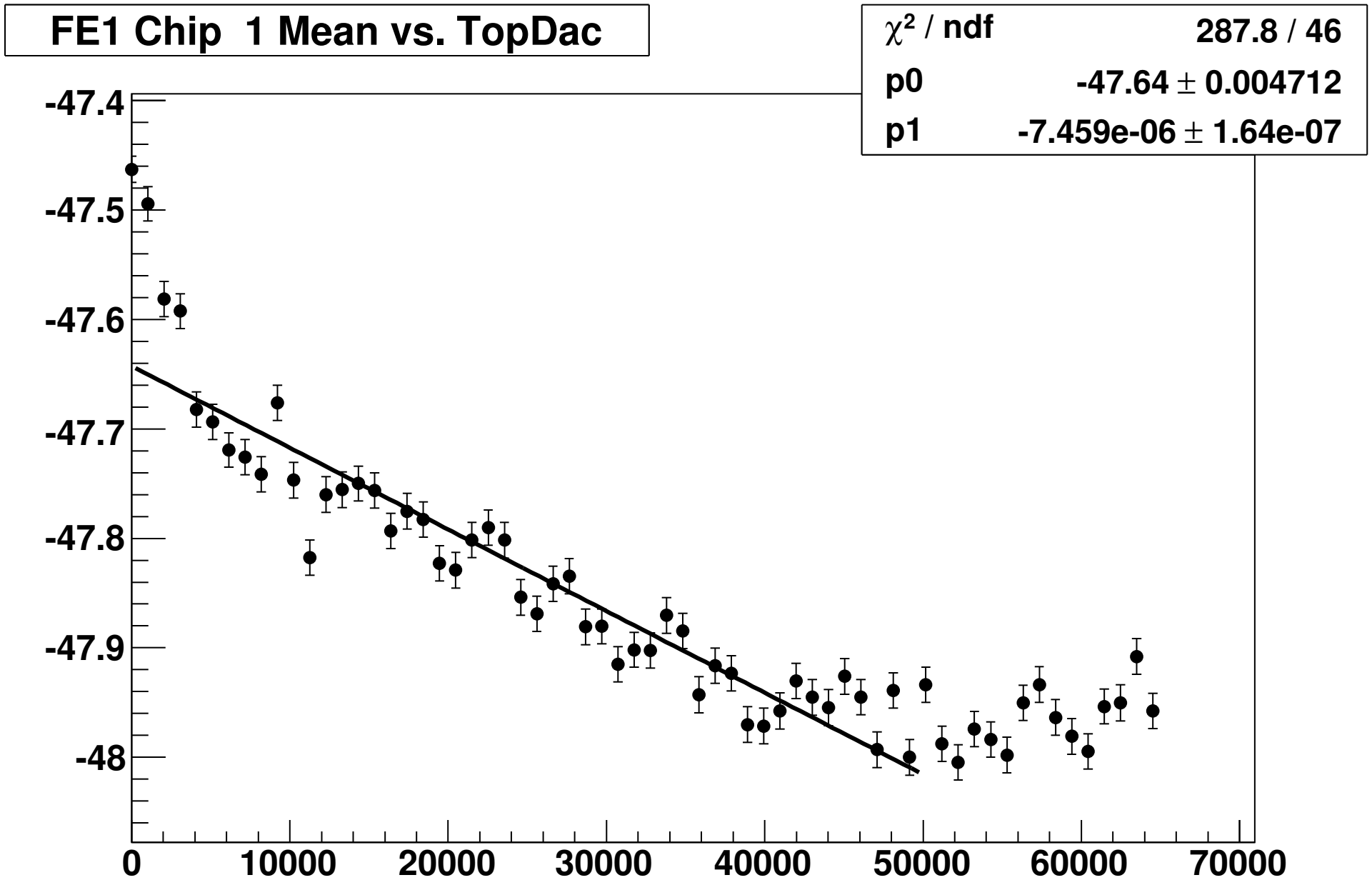
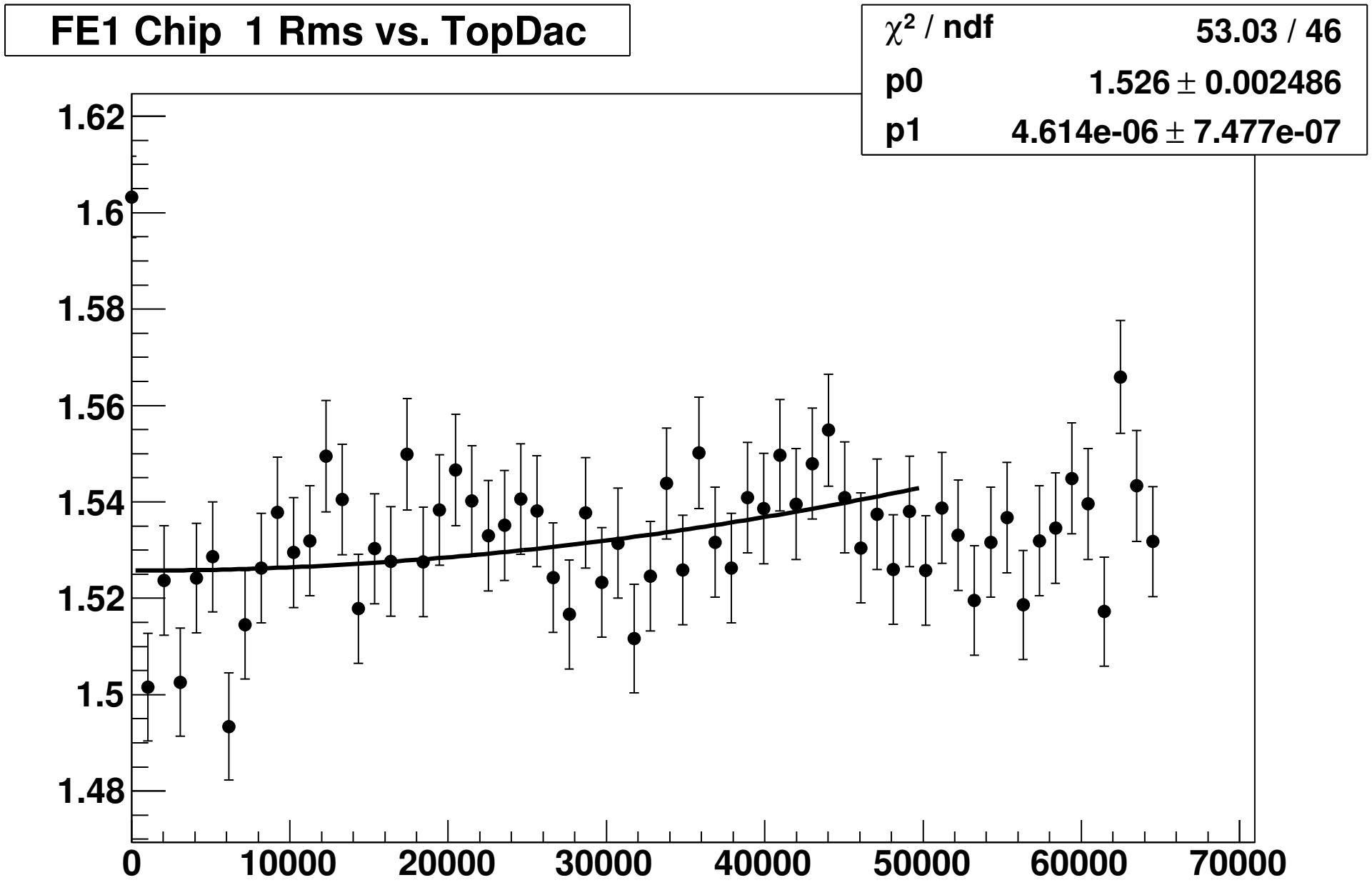
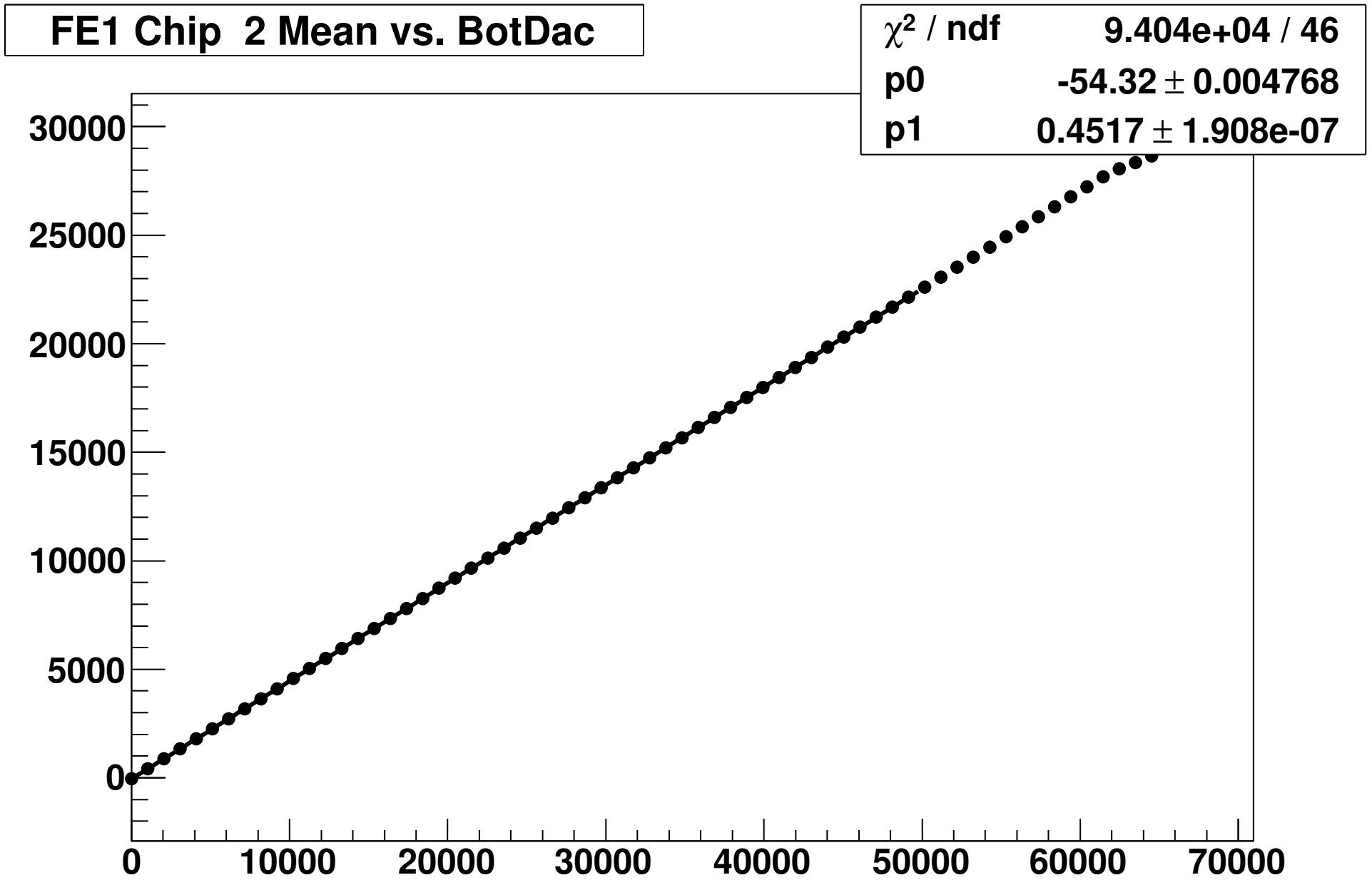
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 798.2 / 46
p0 1.394 ± 0.002666
p1 3.63e-05 ± 1.41e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 287.8 / 46
p0 -47.64 ± 0.004712
p1 -7.459e-06 ± 1.64e-07
-47.4
-47.5
-47.6
-47.7
-47.8
-47.9
-48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 53.03 / 46
p0 1.526 ± 0.002486
p1 4.614e-06 ± 7.477e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 9.404e+04 / 46
p0 -54.32 ± 0.004768
p1 0.4517 ± 1.908e-07
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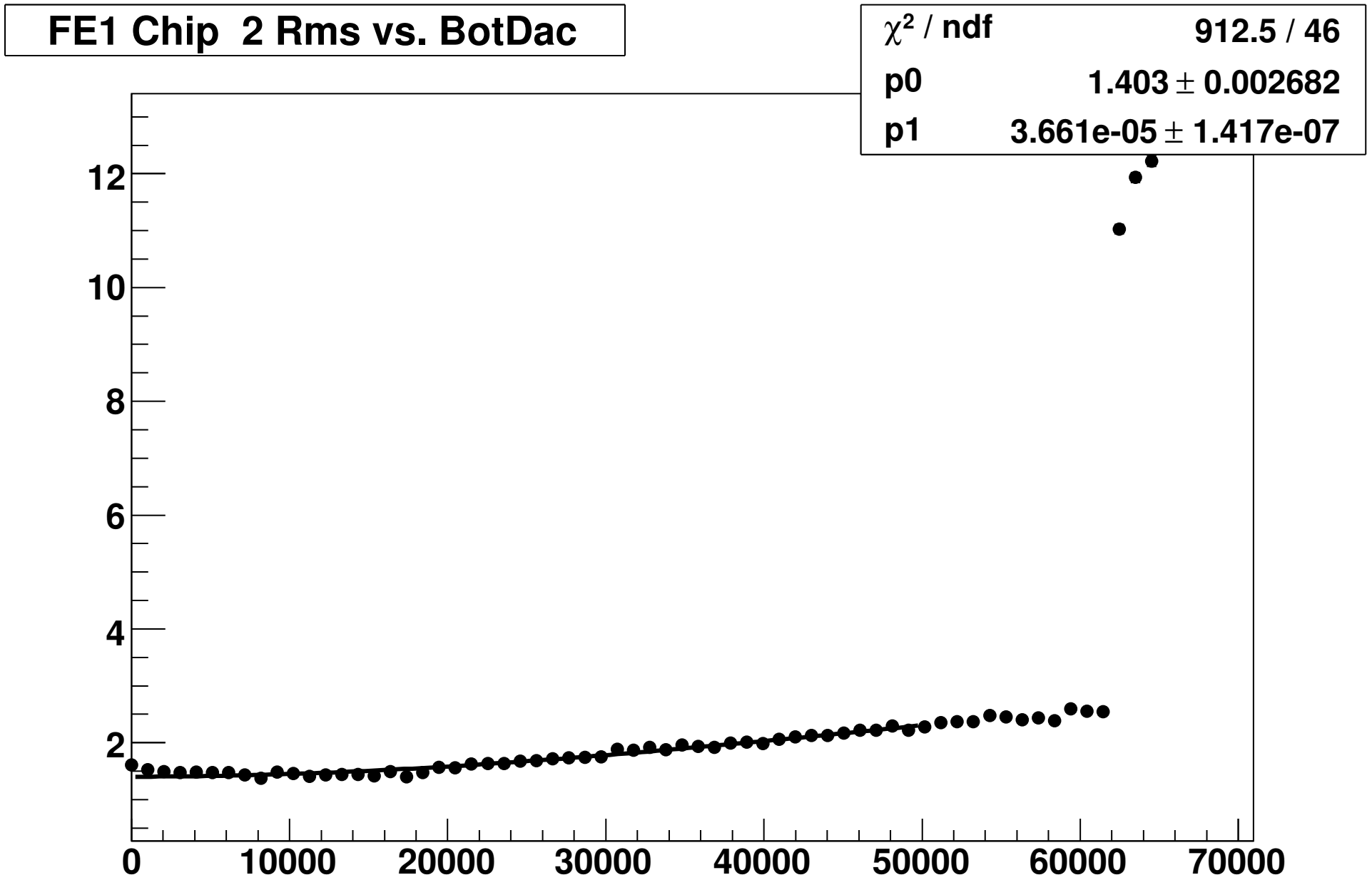
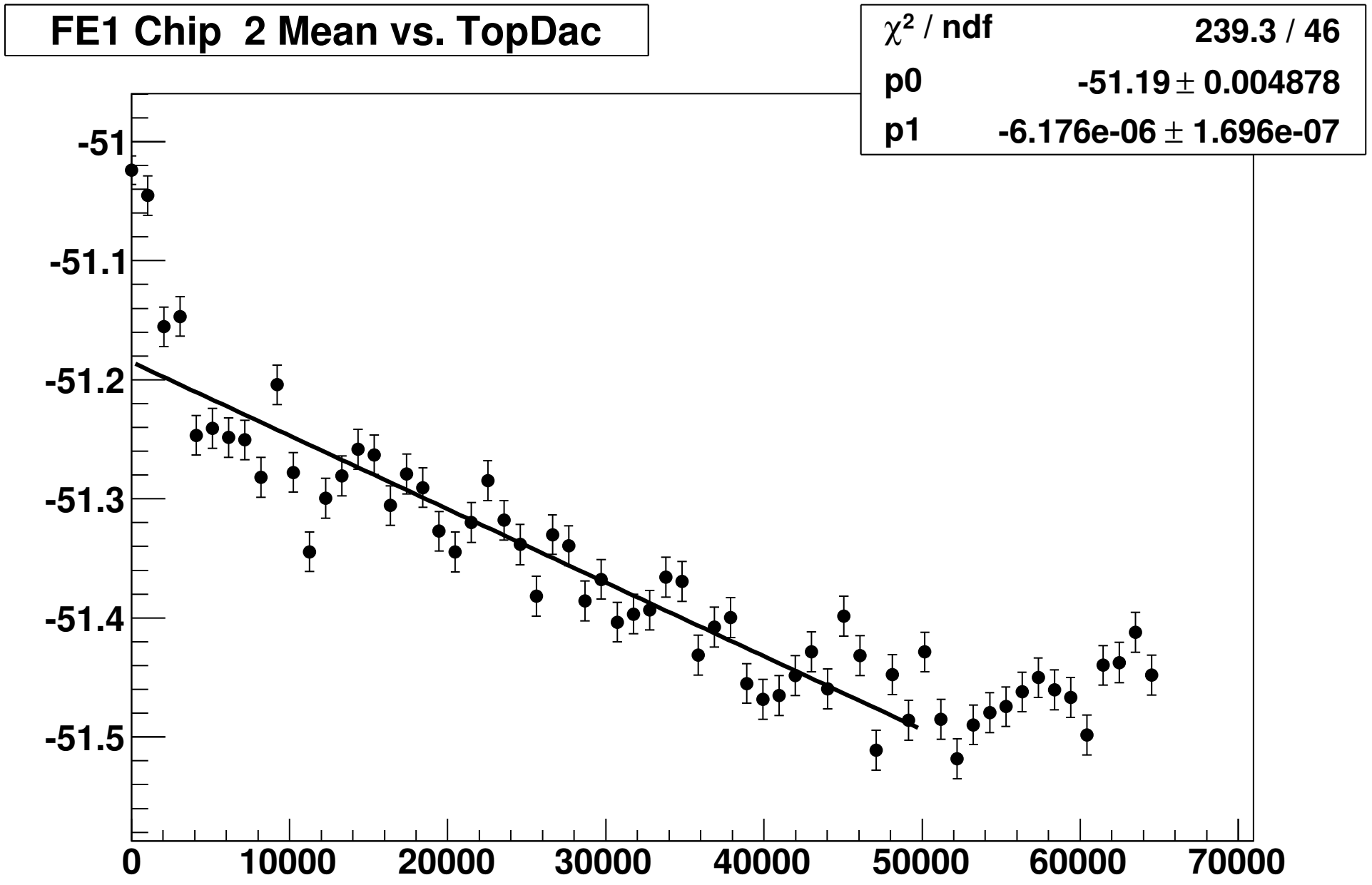
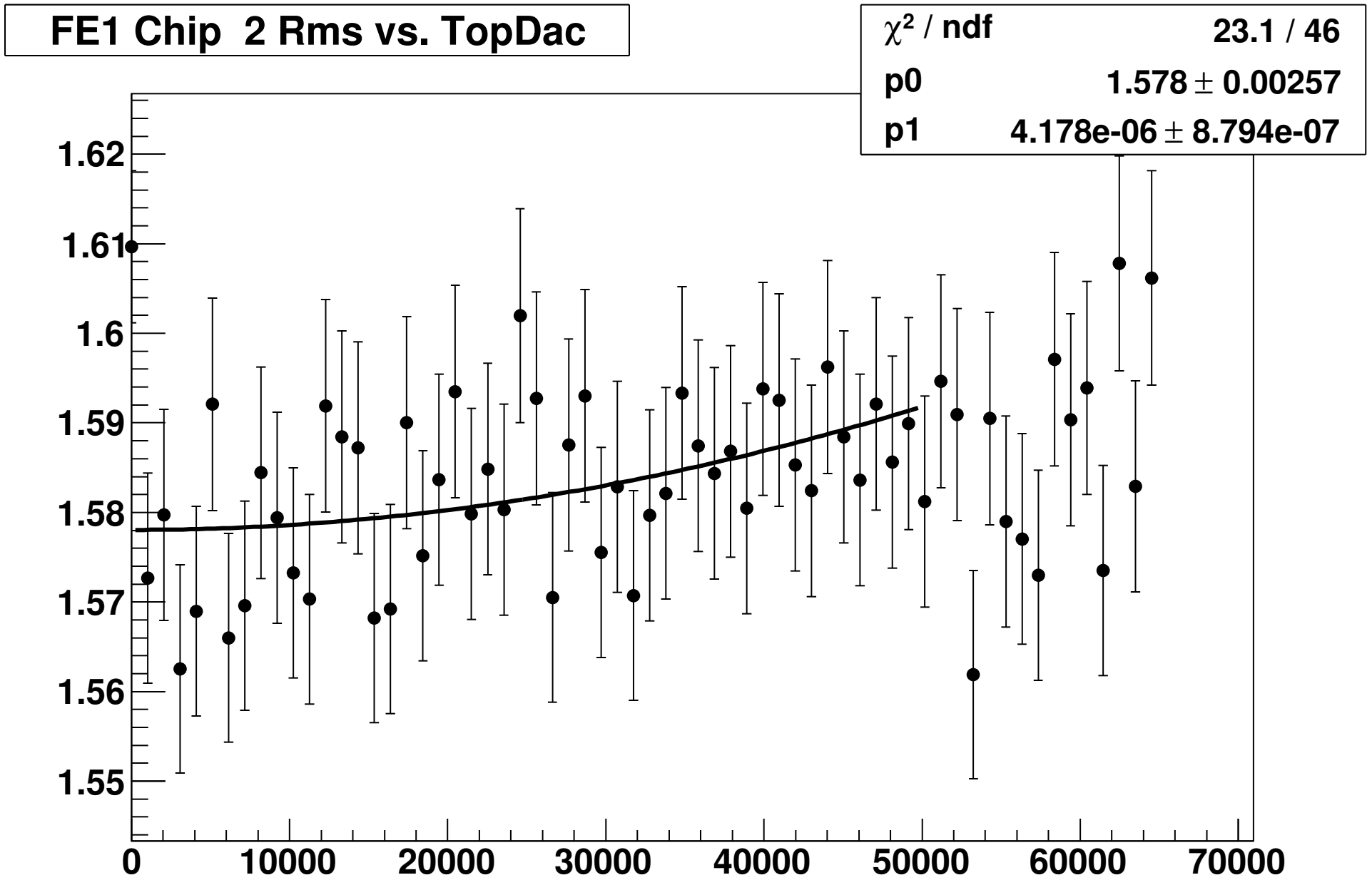
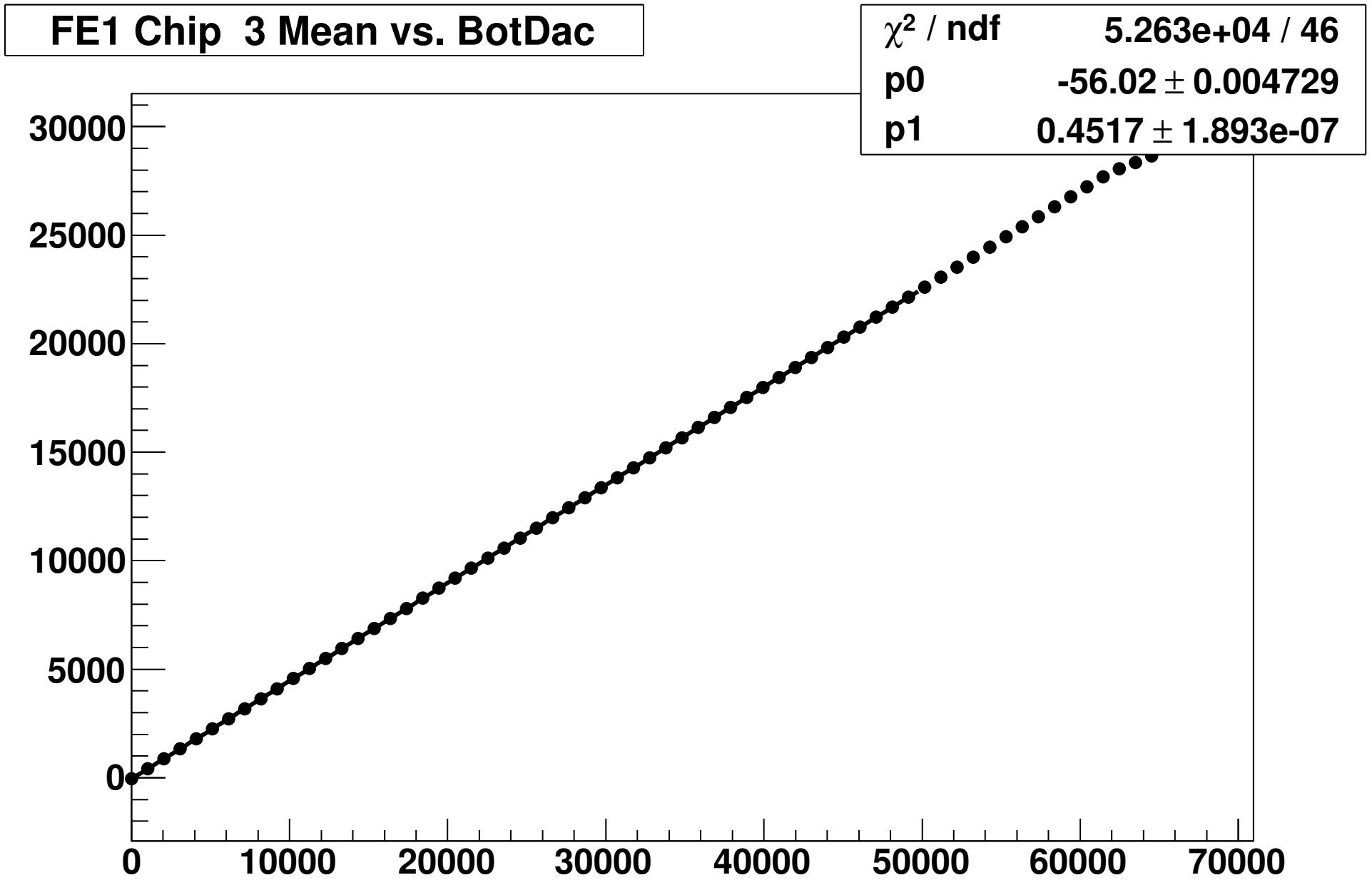
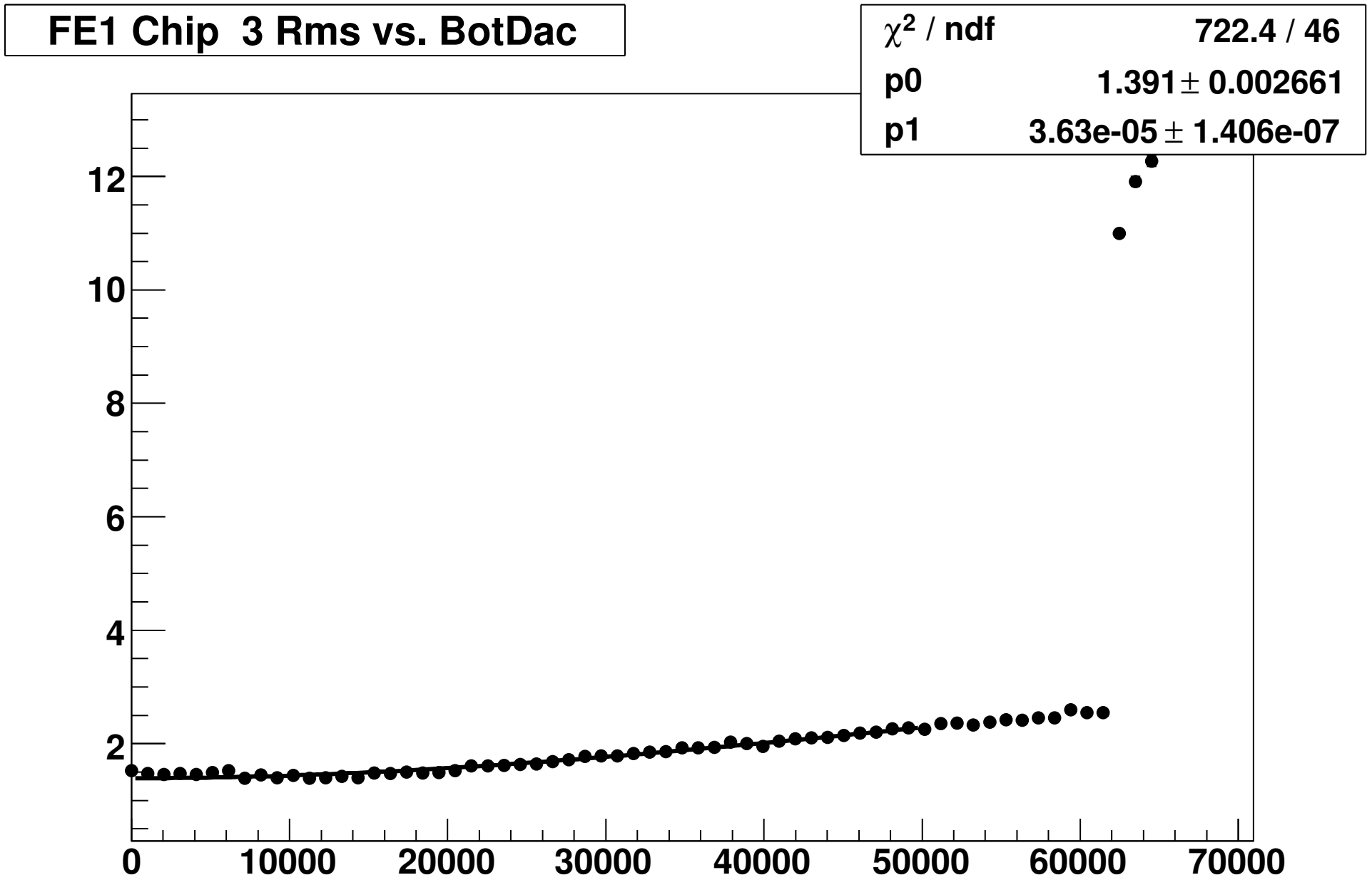
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

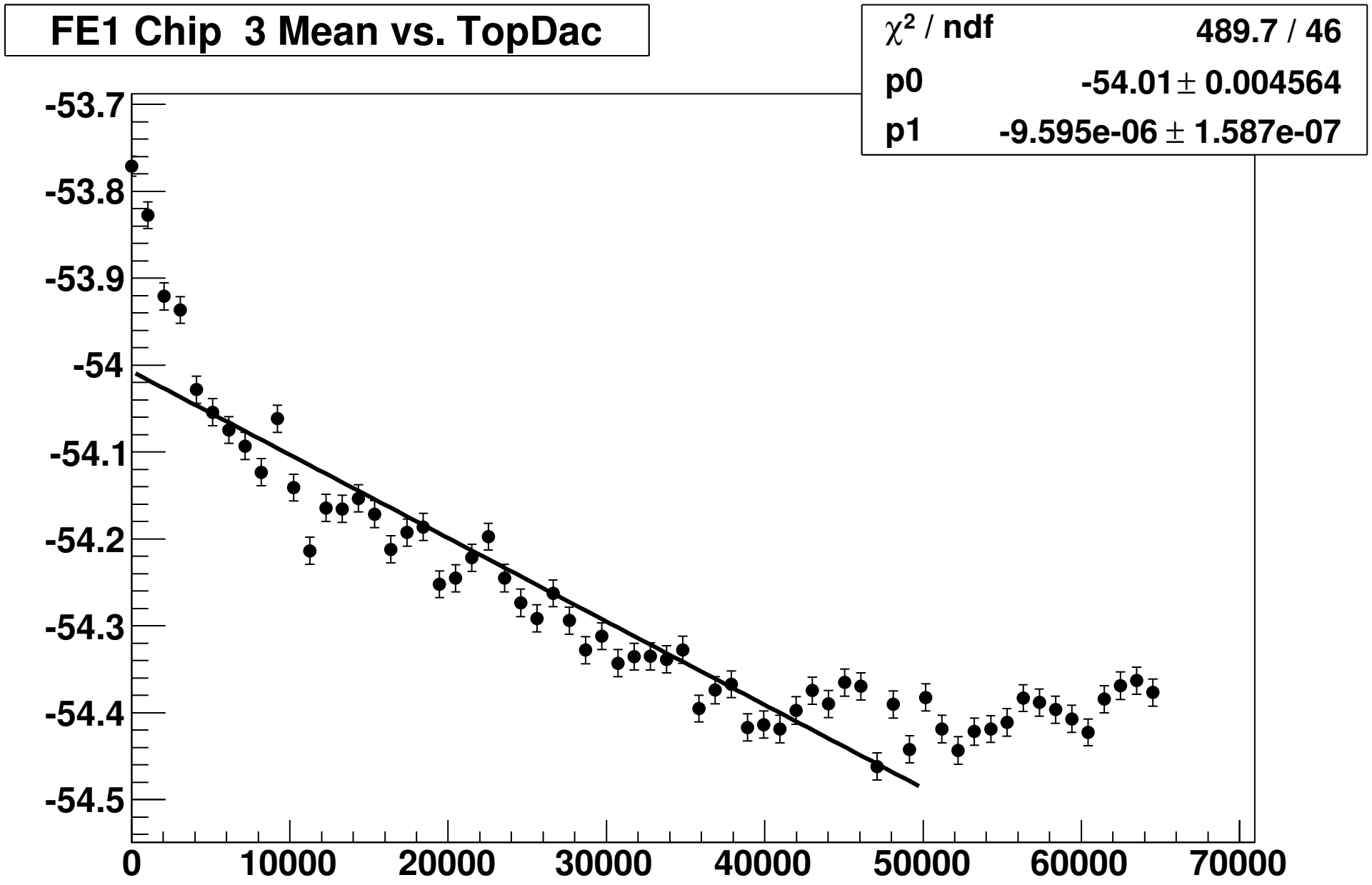

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 912.5 / 46
p0 1.403 ± 0.002682
p1 3.661e-05 ± 1.417e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

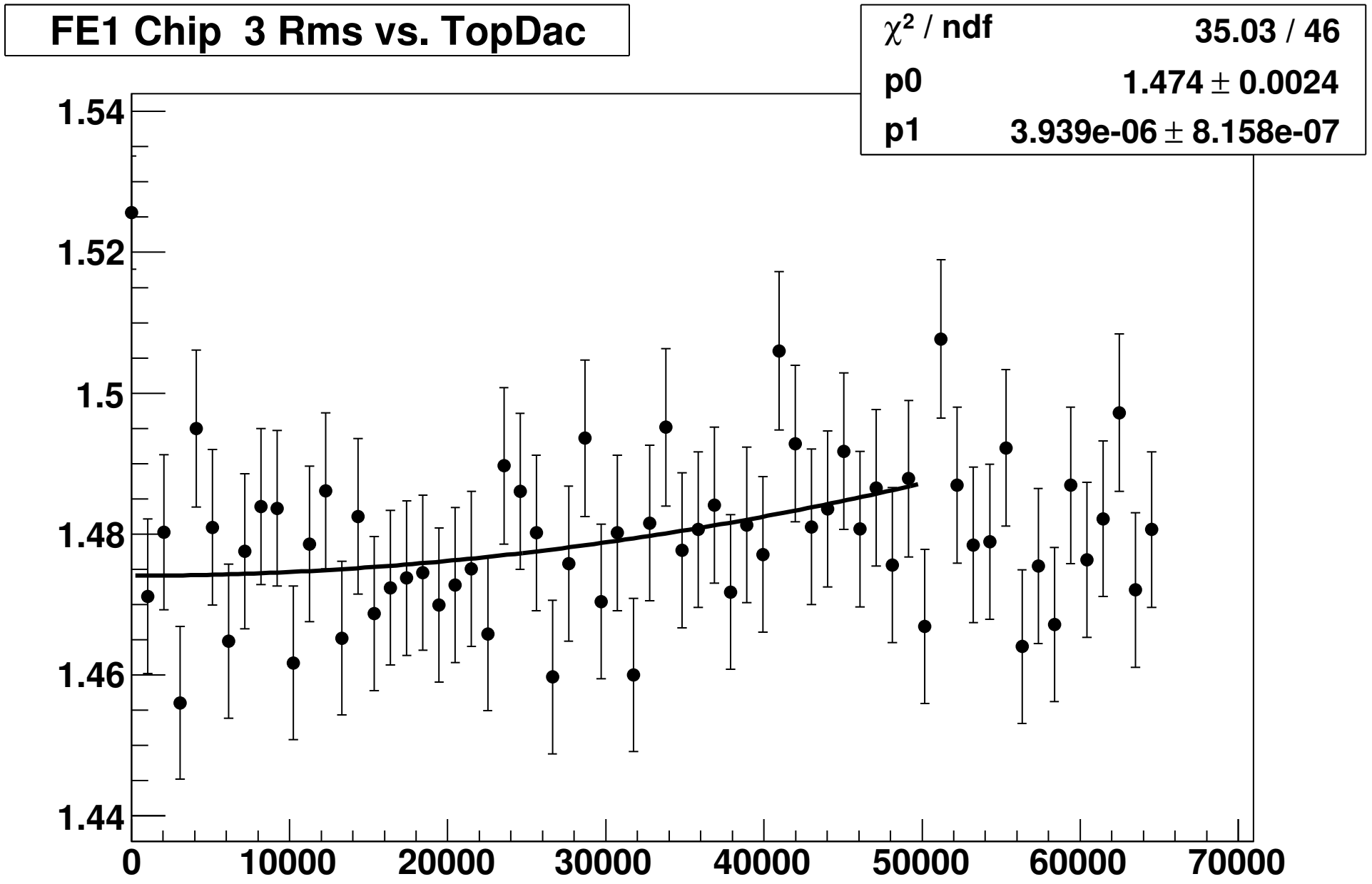

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 239.3 / 46
p0 -51.19 ± 0.004878
p1 -6.176e-06 ± 1.696e-07
-51
-51.1
-51.2
-51.3
-51.4
-51.5
0
10000
20000
30000
40000
50000
60000
70000

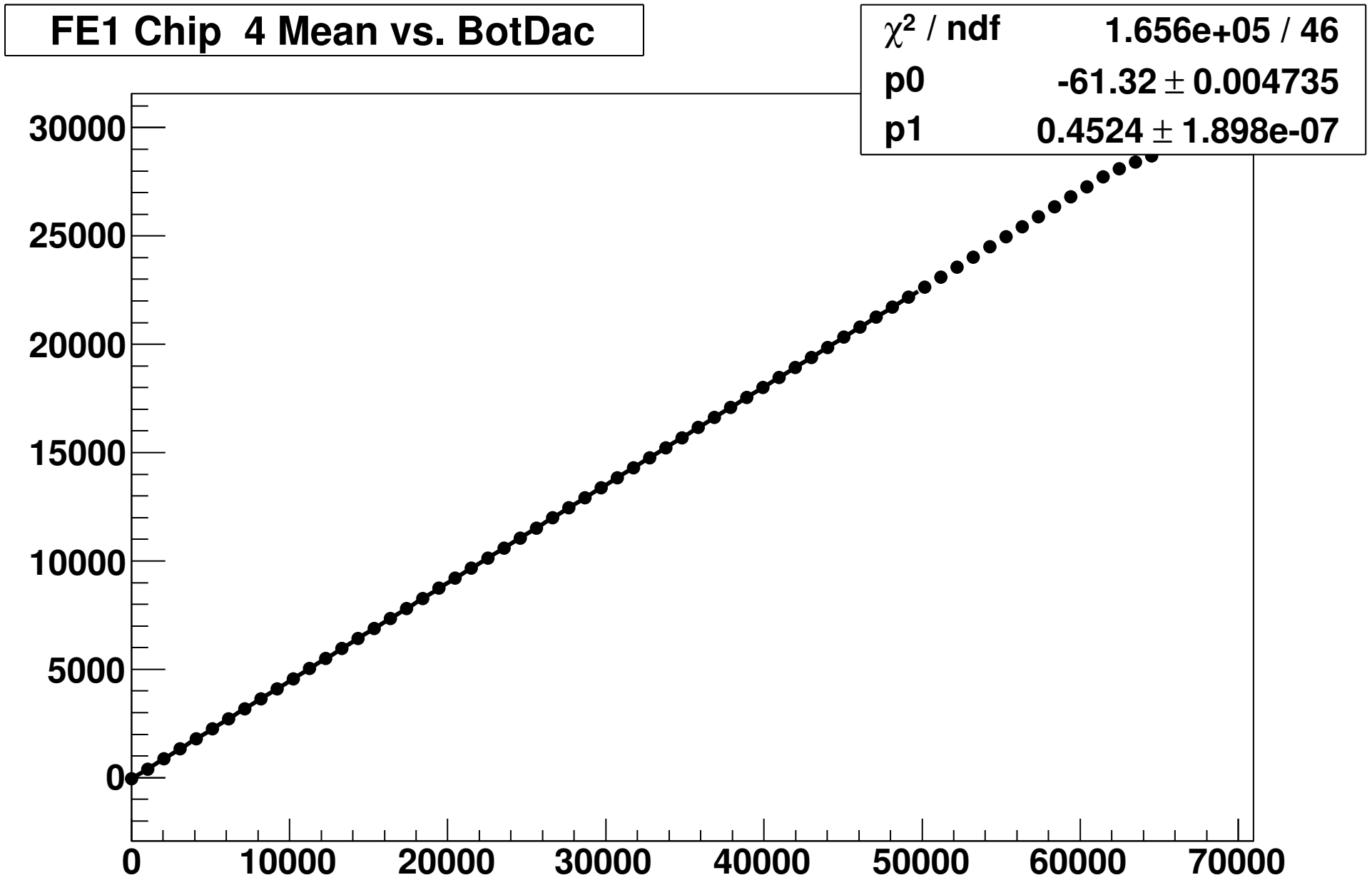

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 23.1 / 46
p0 1.578 ± 0.00257
p1 4.178e-06 ± 8.794e-07
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
40000
50000
60000
70000

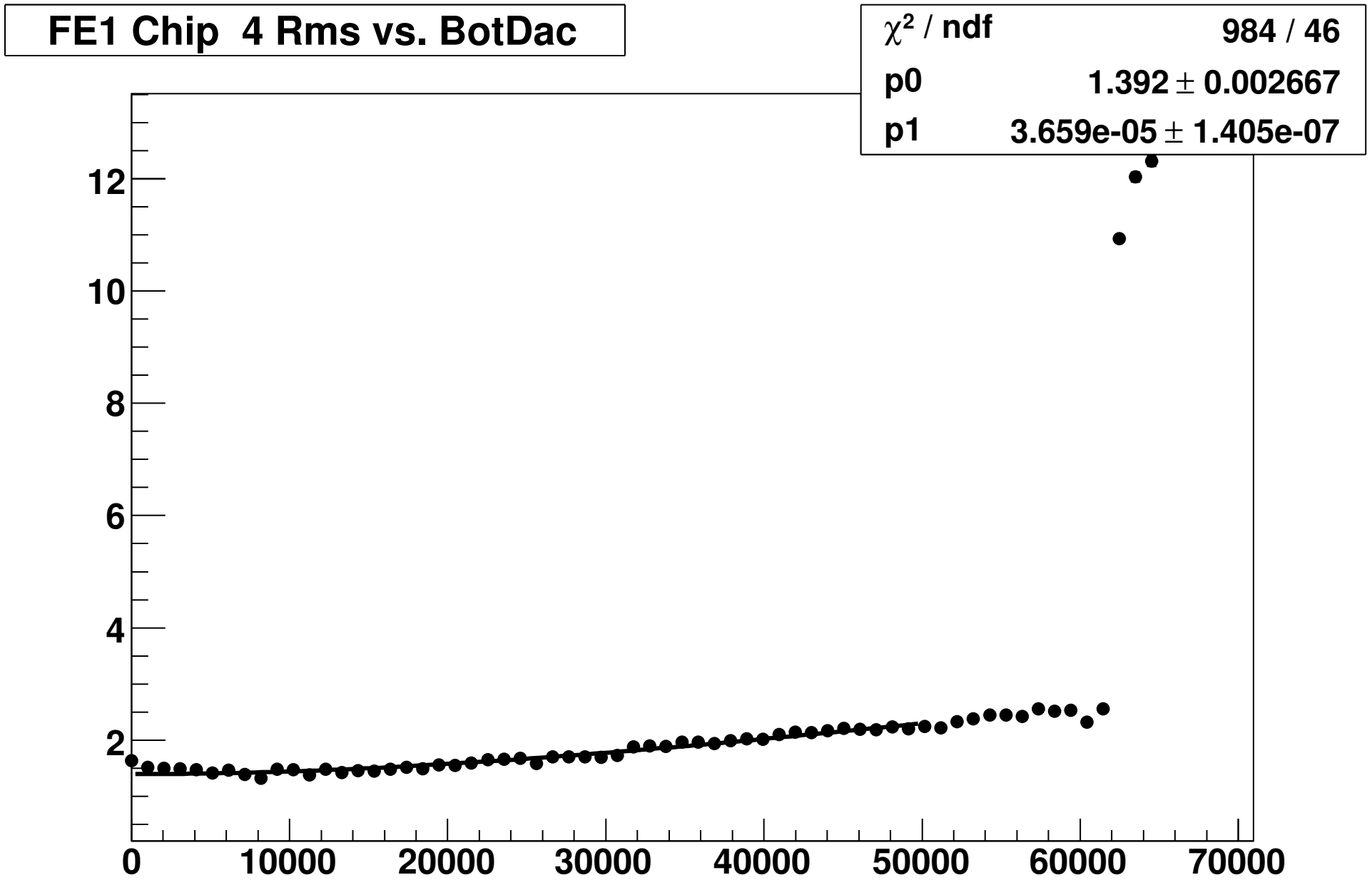

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 5.263e+04 / 46
p0 -56.02 ± 0.004729
p1 0.4517 ± 1.893e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

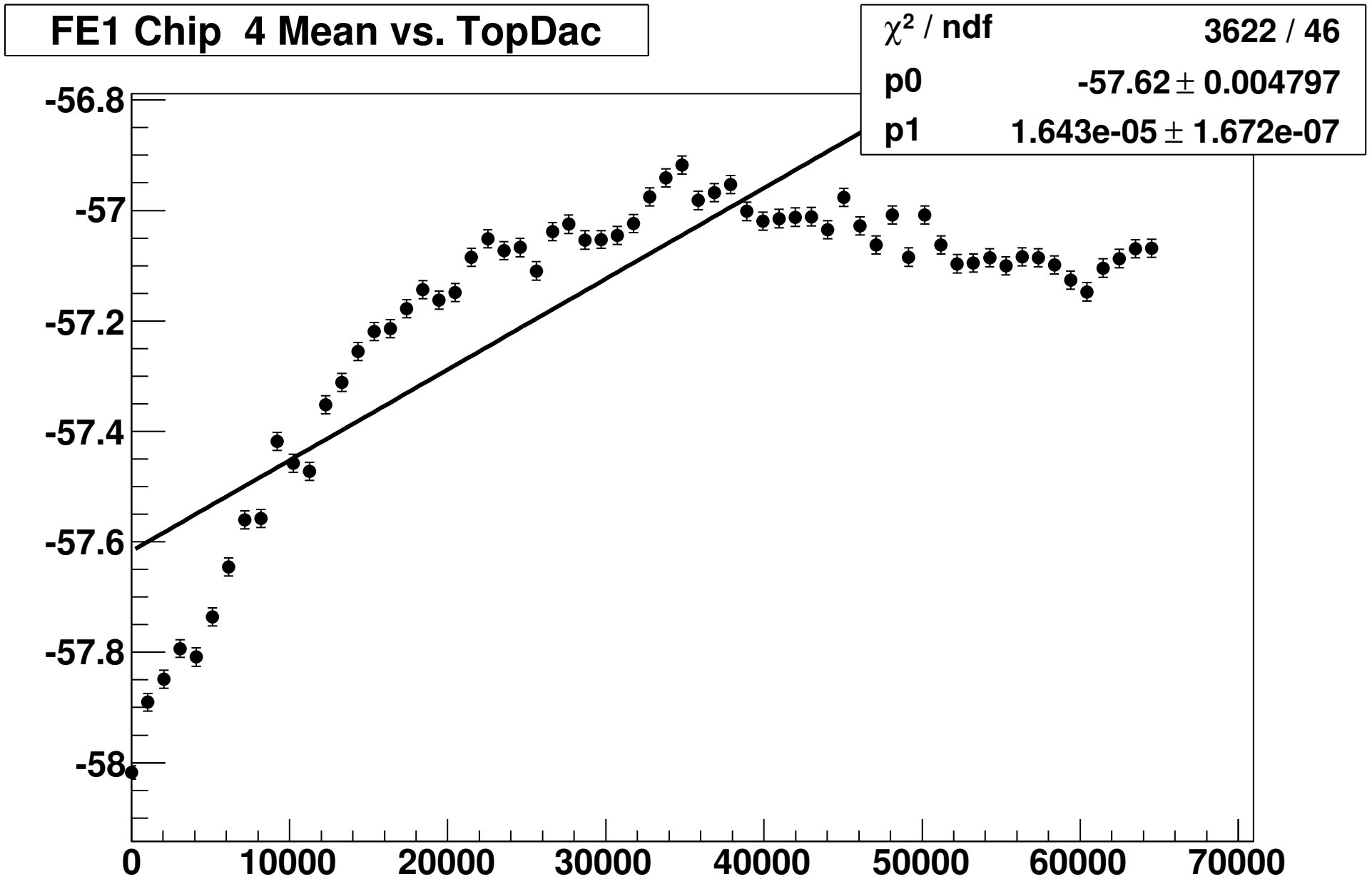

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 722.4 / 46
p0 1.391 ± 0.002661
p1 3.63e-05 ± 1.406e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 489.7 / 46
p0 -54.01 ± 0.004564
p1 -9.595e-06 ± 1.587e-07
-53.7
-53.8
-53.9
-54
-54.1
-54.2
-54.3
-54.4
-54.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 35.03 / 46
p0 1.474 ± 0.0024
p1 3.939e-06 ± 8.158e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.656e+05 / 46
p0 -61.32 ± 0.004735
p1 0.4524 ± 1.898e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 984 / 46
p0 1.392 ± 0.002667
p1 3.659e-05 ± 1.405e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 3622 / 46
p0 -57.62 ± 0.004797
p1 1.643e-05 ± 1.672e-07
-56.8
-57
-57.2
-57.4
-57.6
-57.8
-58
0
10000
20000
30000
40000
50000
60000
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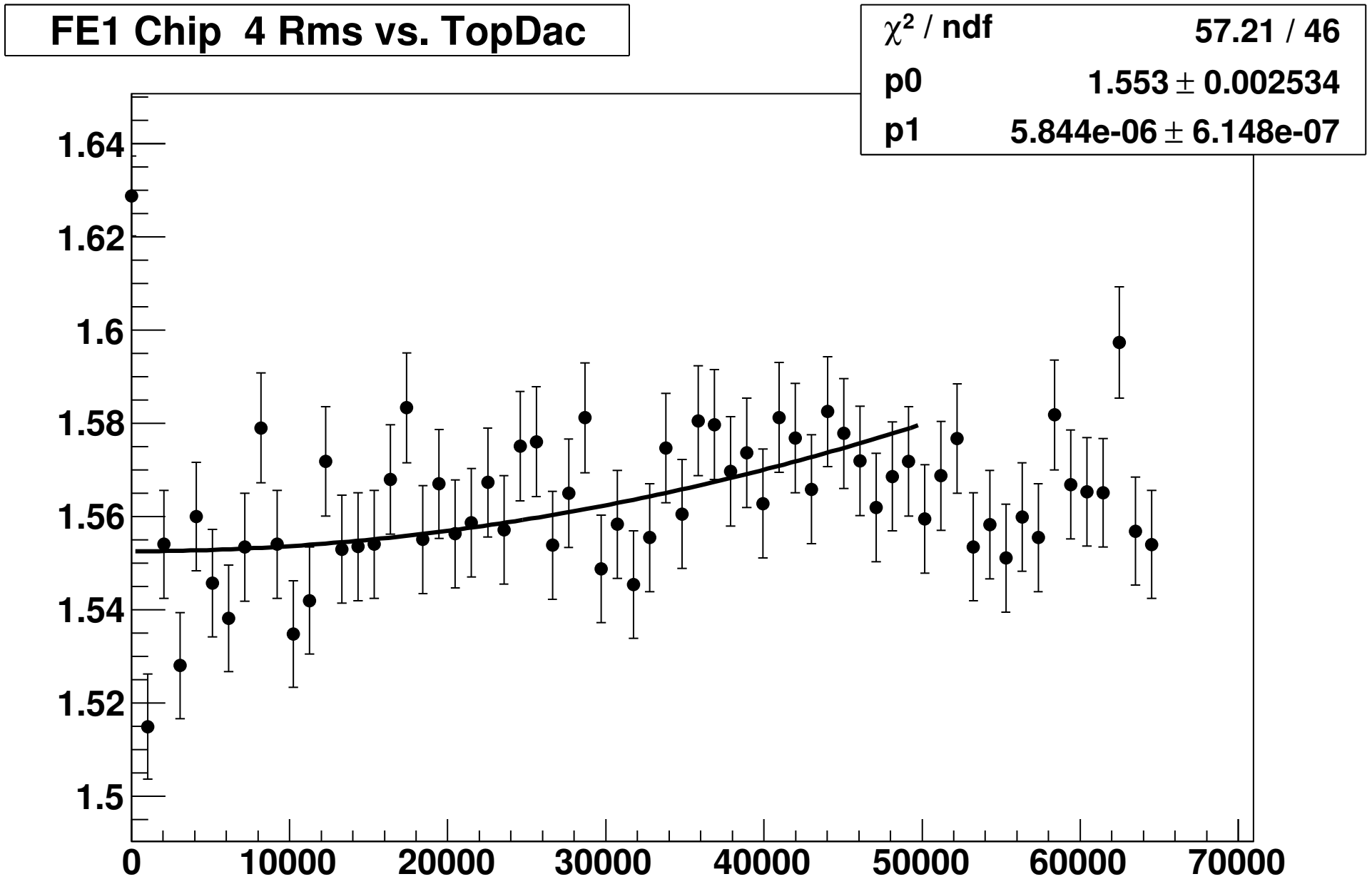
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 57.21 / 46
p0 1.553 ± 0.002534
p1 5.844e-06 ± 6.148e-07
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
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20000
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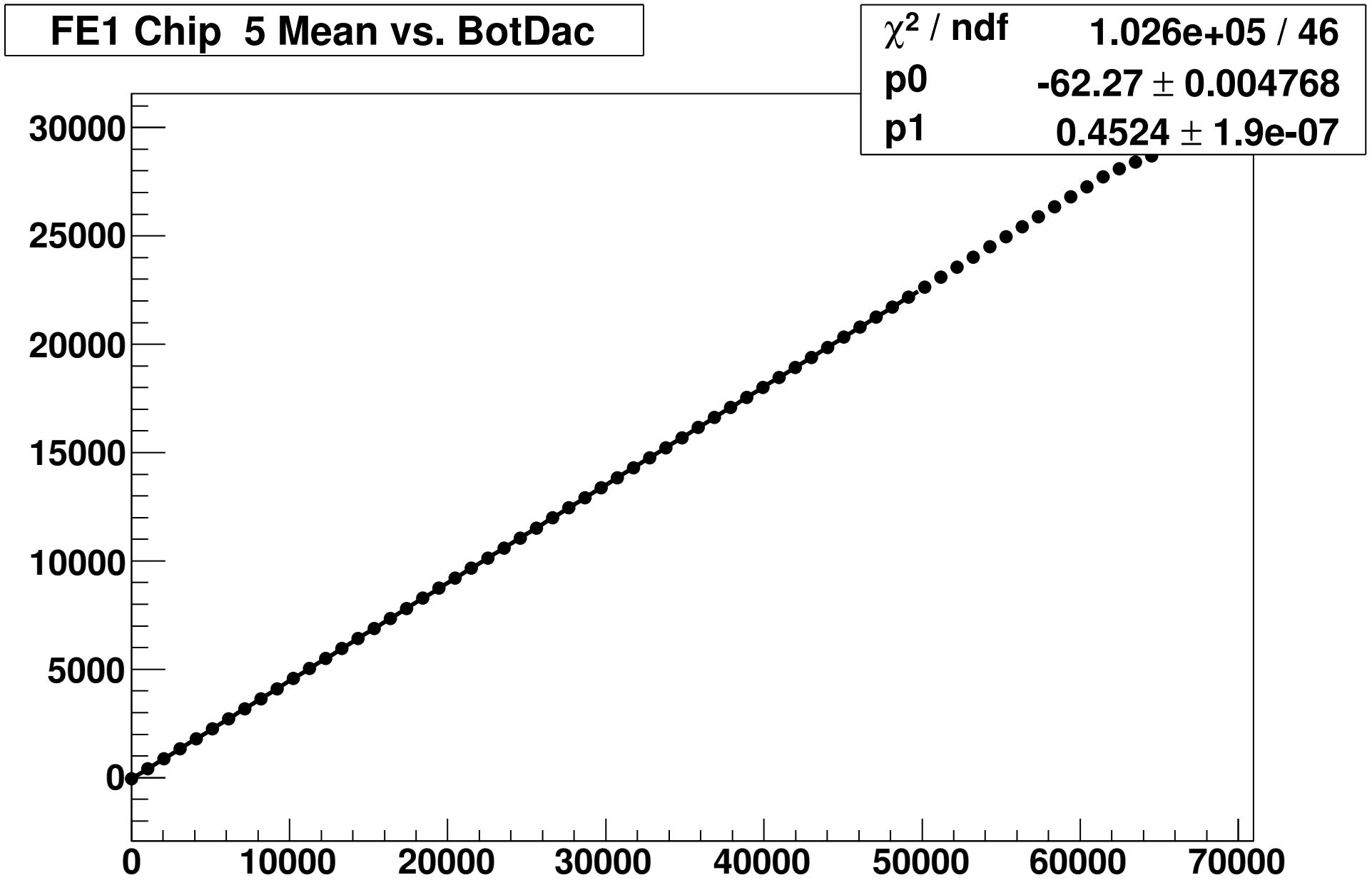
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.026e+05 / 46
p0 -62.27 ± 0.004768
p1 0.4524 ± 1.9e-07
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20000
15000
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5000
0
0
10000
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60000
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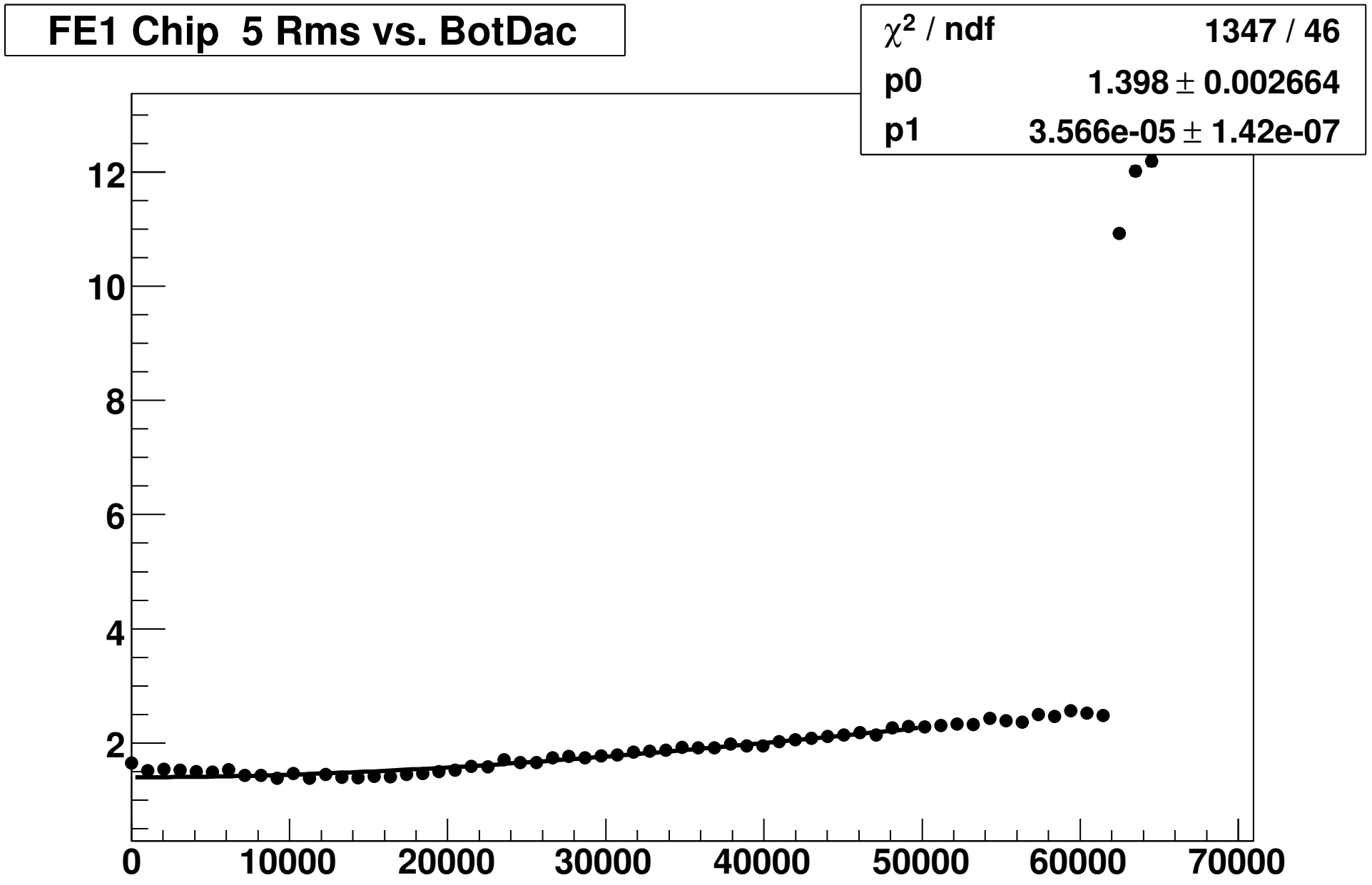
FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1347 / 46
p0 1.398 ± 0.002664
p1 3.566e-05 ± 1.42e-07
12
10
8
6
4
2
0
10000
20000
30000
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60000
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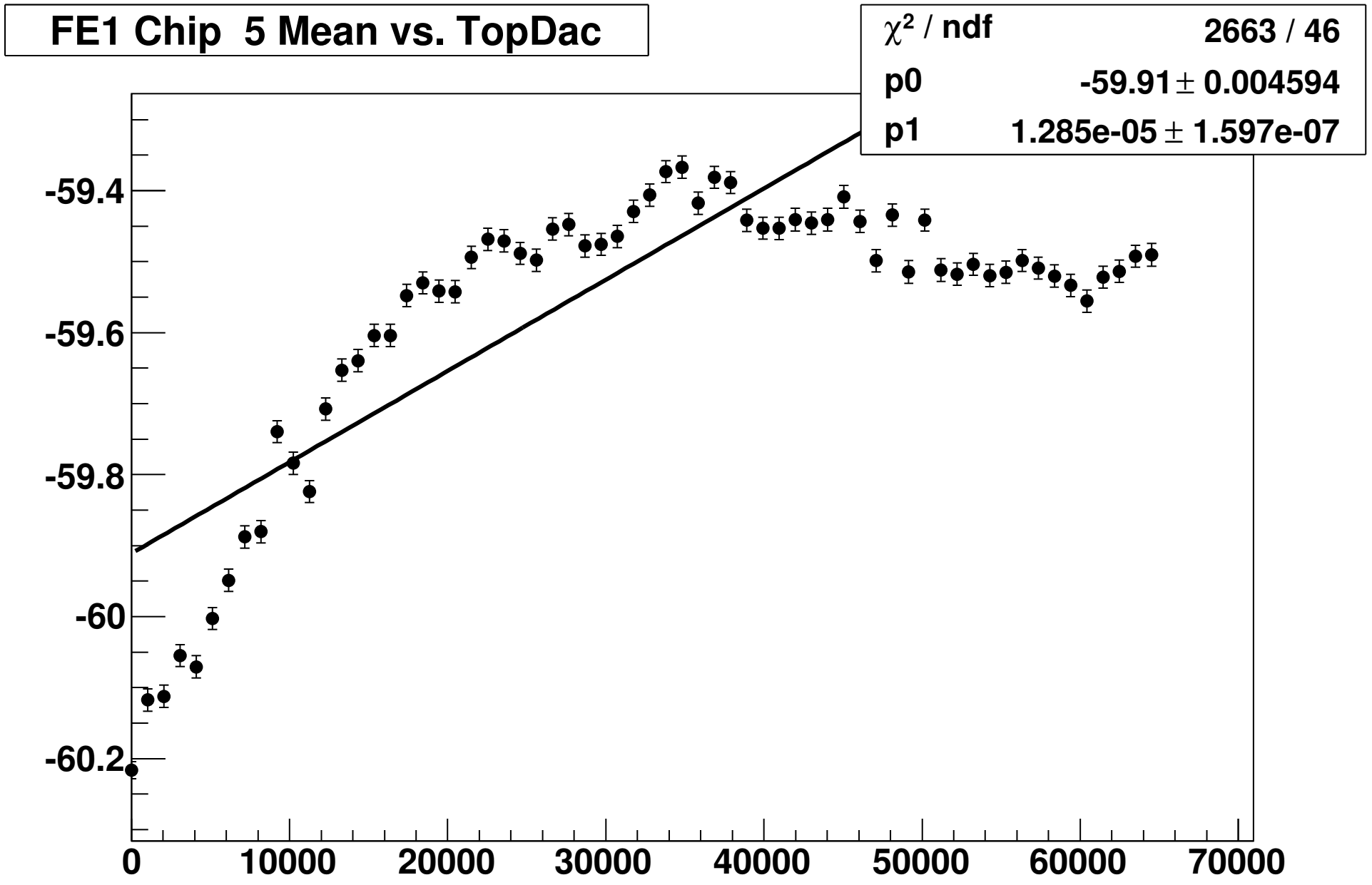
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 2663 / 46
p0 -59.91 ± 0.004594
p1 1.285e-05 ± 1.597e-07
-59.4
-59.6
-59.8
-60
-60.2
0
10000
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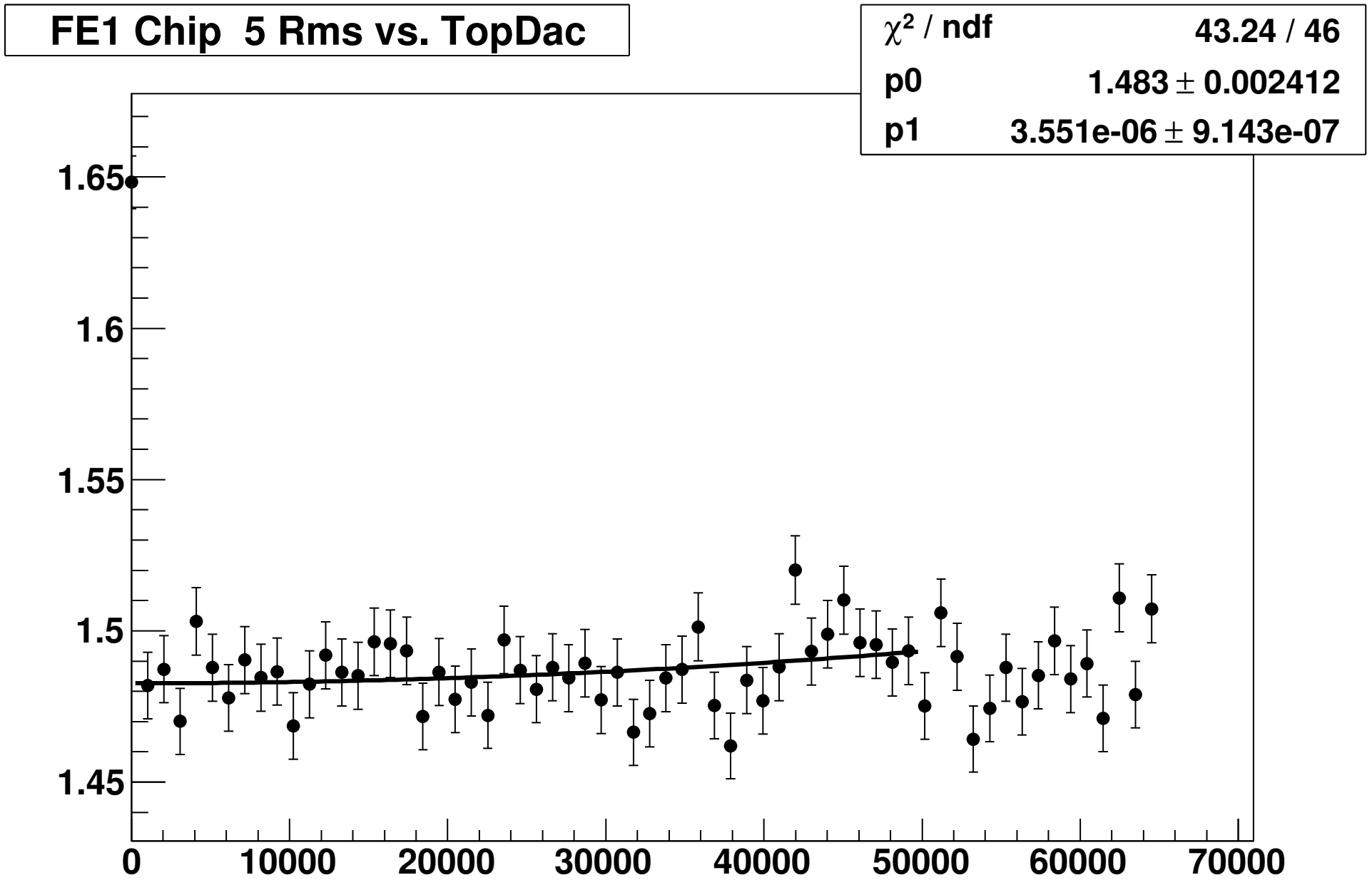
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 43.24 / 46
p0 1.483 ± 0.002412
p1 3.551e-06 ± 9.143e-07
1.65
1.6
1.55
1.5
1.45
0
10000
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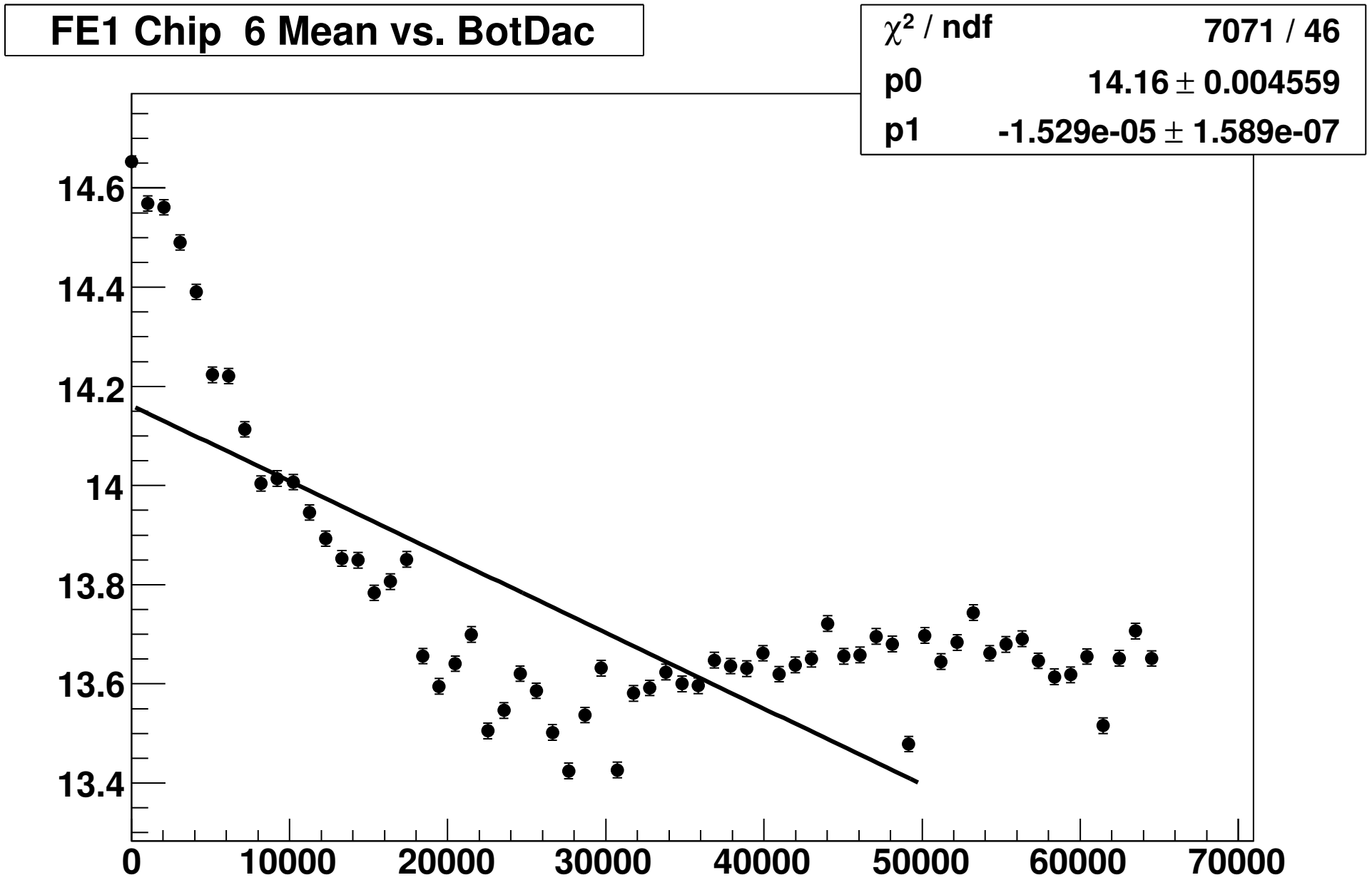
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 7071 / 46
p0 14.16 ± 0.004559
p1 -1.529e-05 ± 1.589e-07
14.6
14.4
14.2
14
13.8
13.6
13.4
0
10000
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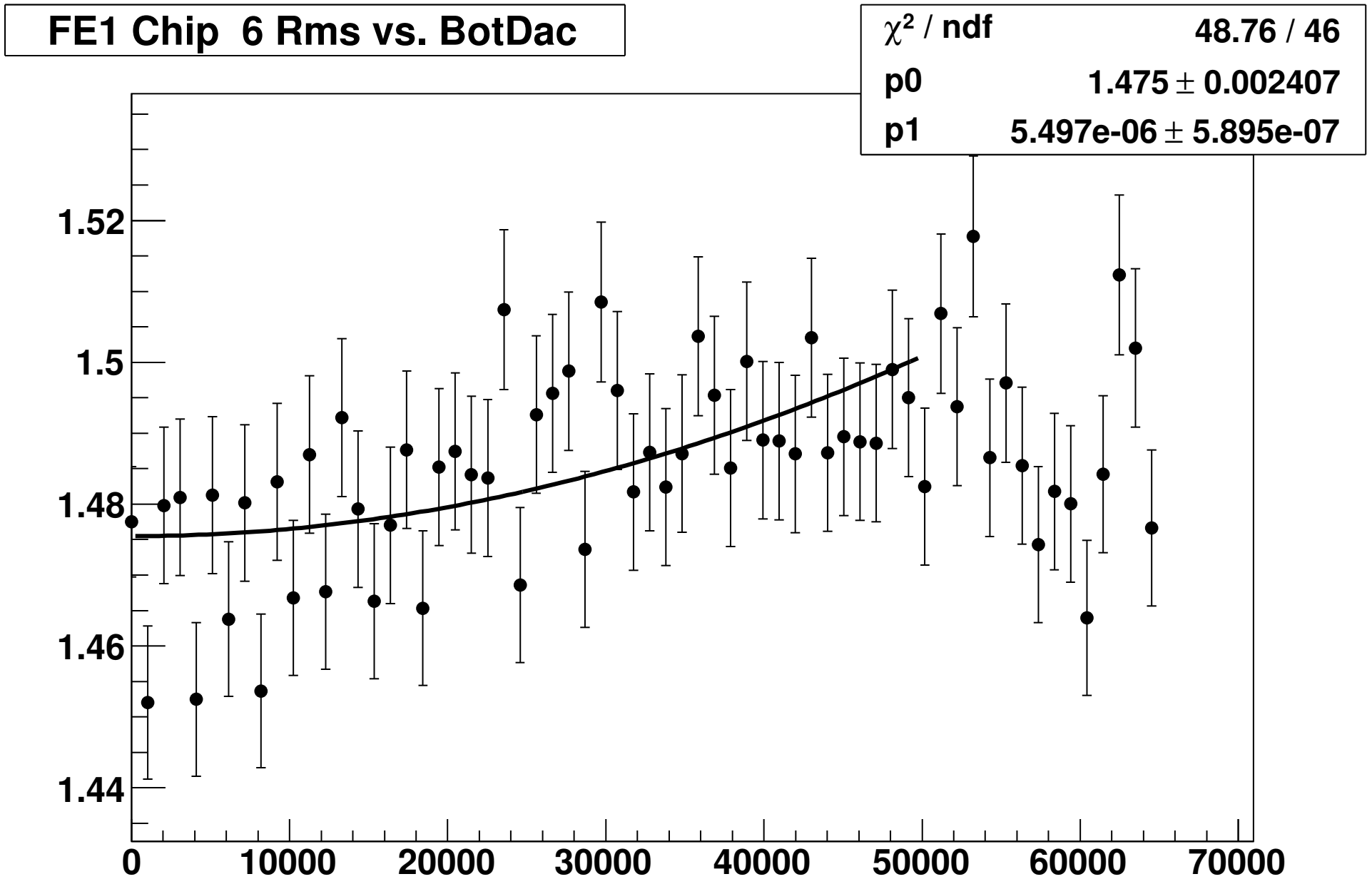
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 48.76 / 46
p0 1.475 ± 0.002407
p1 5.497e-06 ± 5.895e-07
1.52
1.5
1.48
1.46
1.44
0
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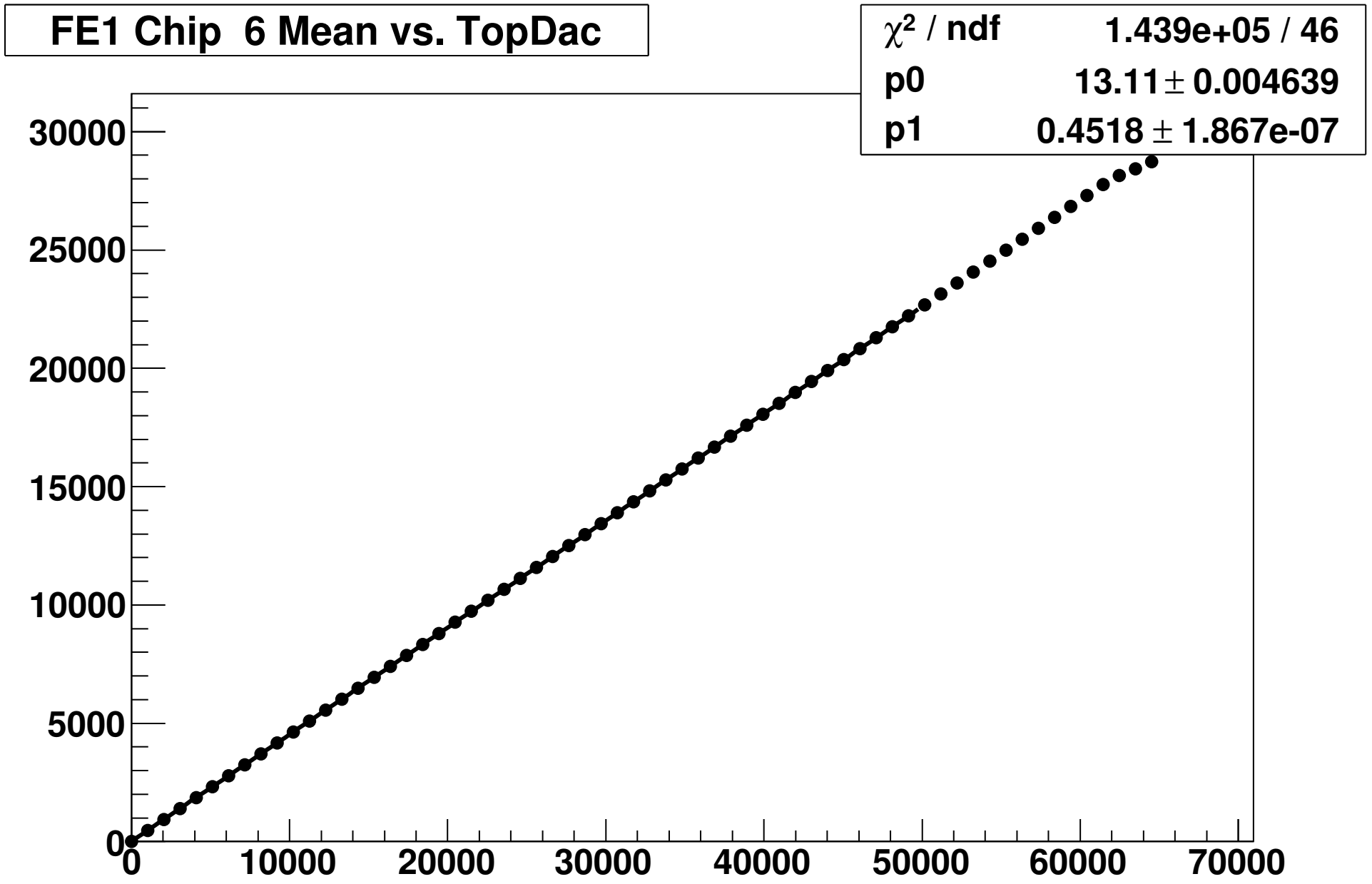
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.439e+05 / 46
p0 13.11 ± 0.004639
p1 0.4518 ± 1.867e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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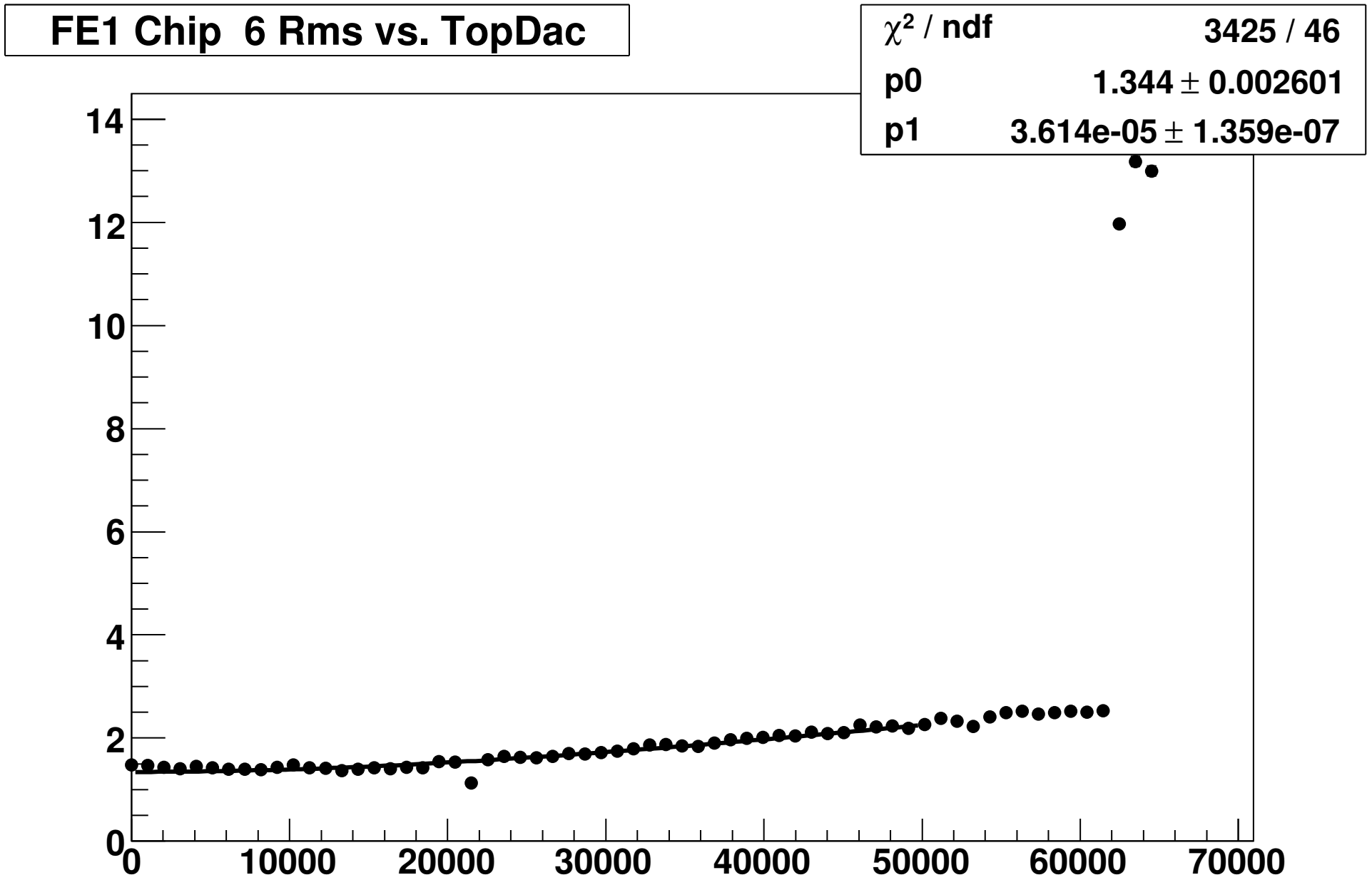
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 3425 / 46
p0 1.344 ± 0.002601
p1 3.614e-05 ± 1.359e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
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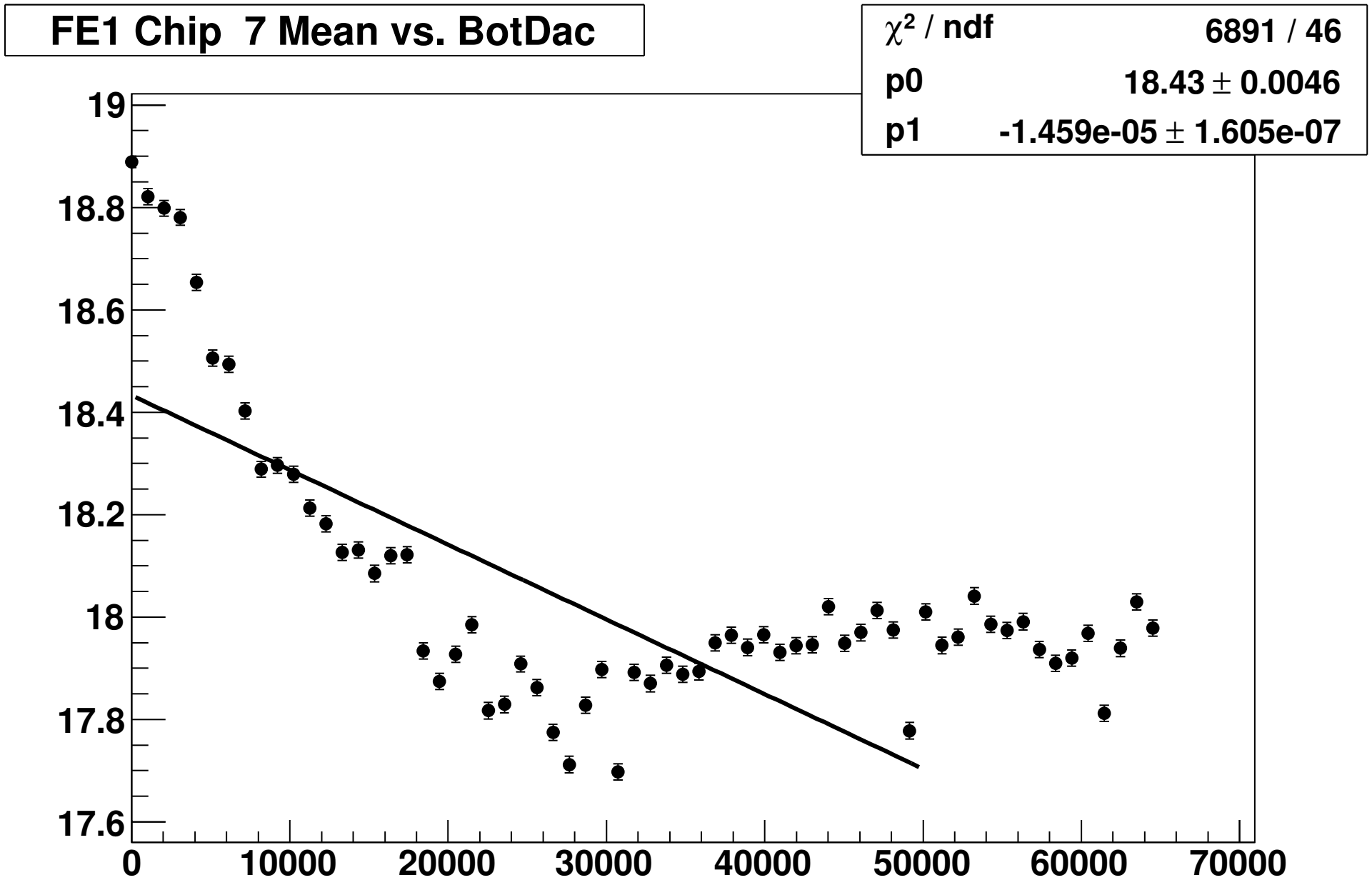
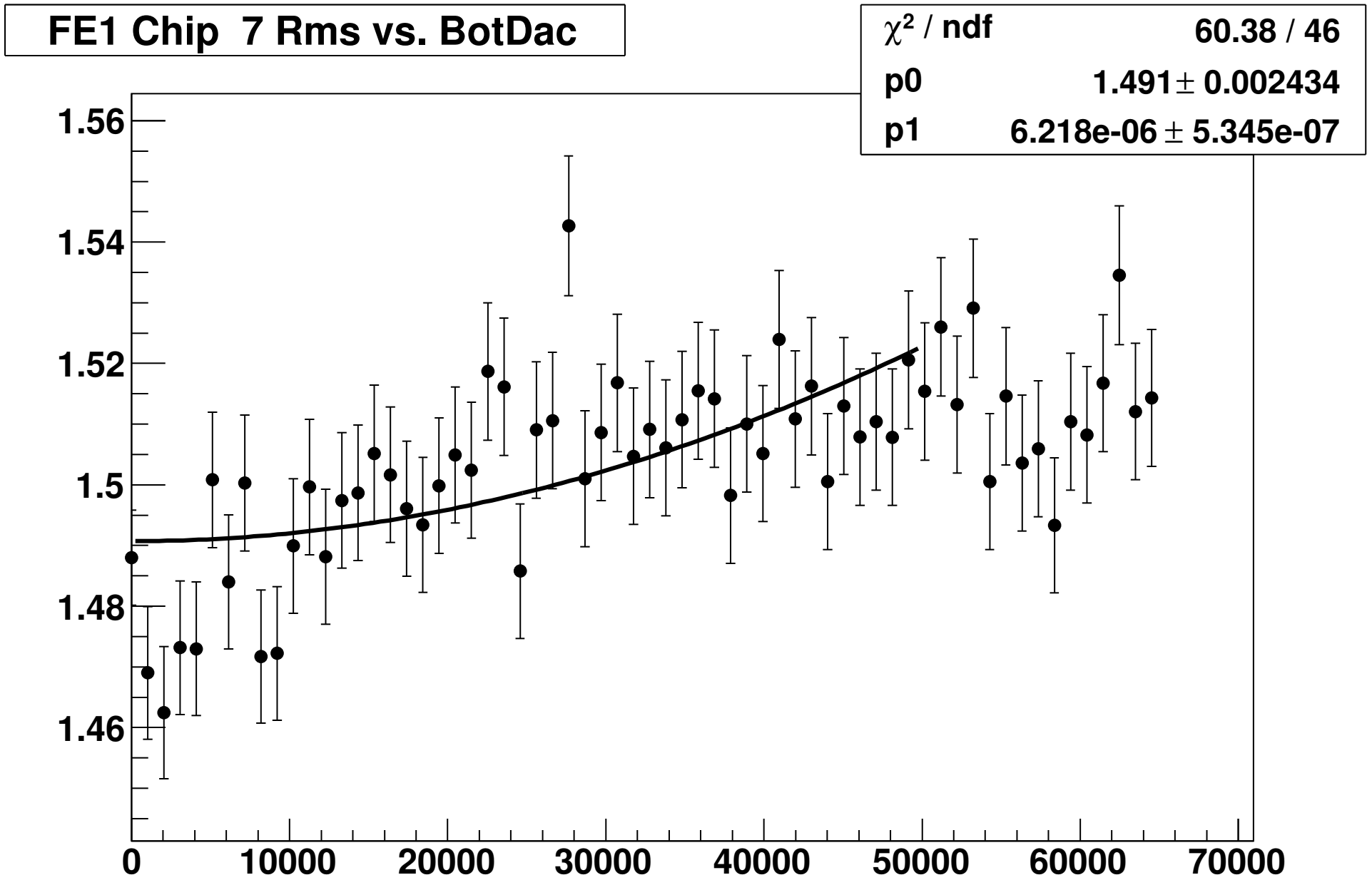
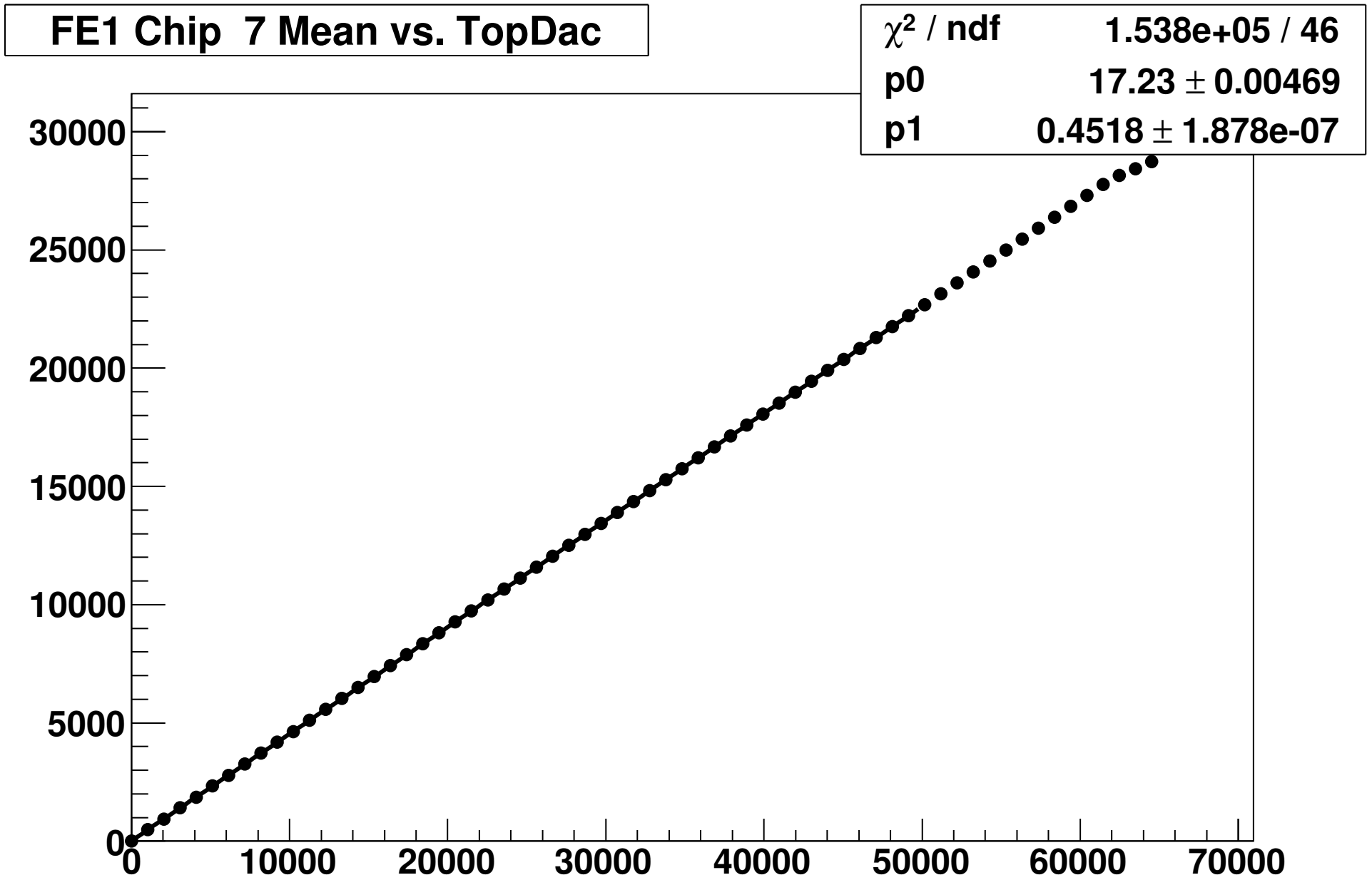

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 6891 / 46
p0 18.43 ± 0.0046
p1 -1.459e-05 ± 1.605e-07
19
18.8
18.6
18.4
18.2
18
17.8
17.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 60.38 / 46
p0 1.491 ± 0.002434
p1 6.218e-06 ± 5.345e-07
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.538e+05 / 46
p0 17.23 ± 0.00469
p1 0.4518 ± 1.878e-07
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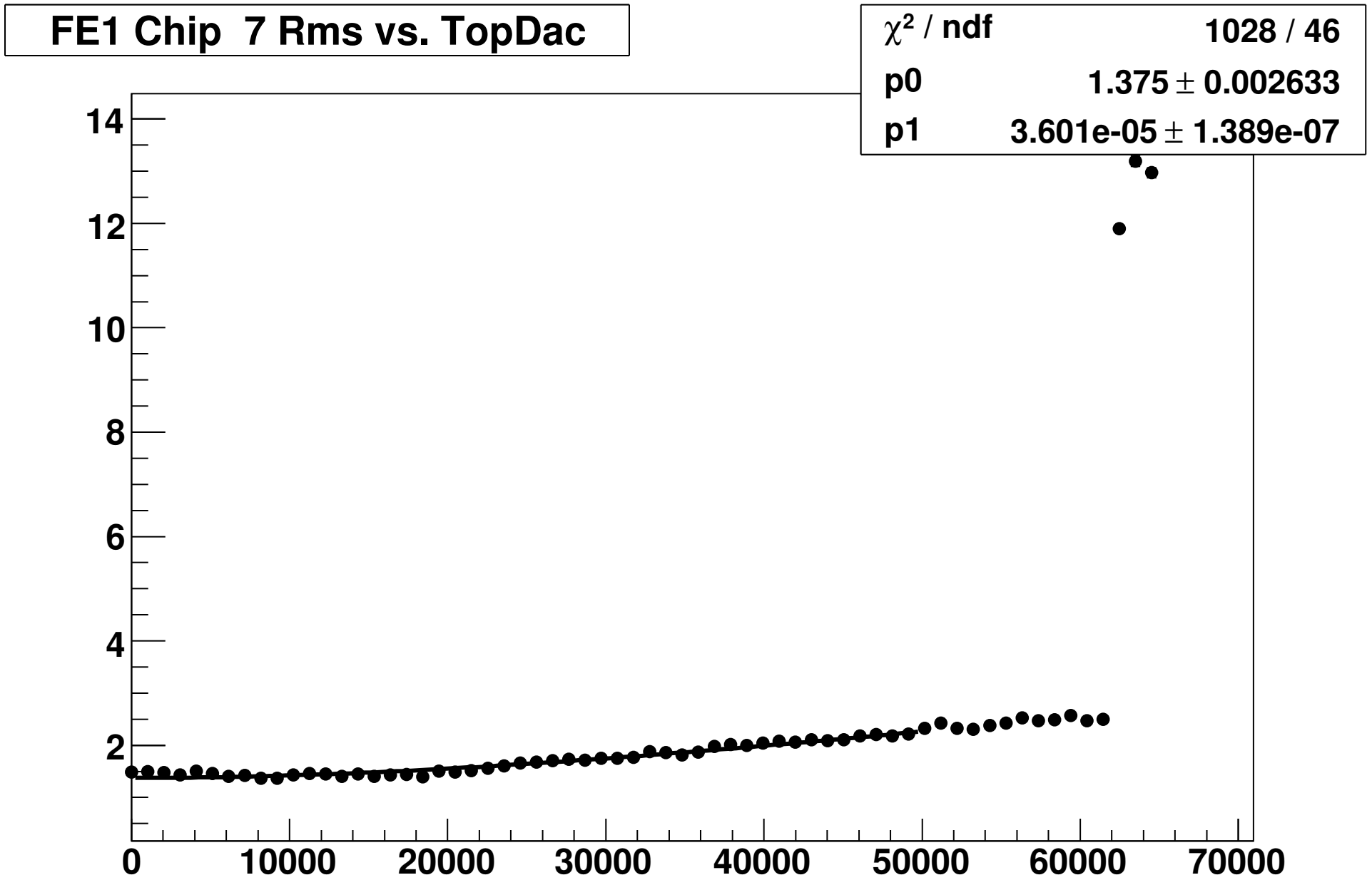
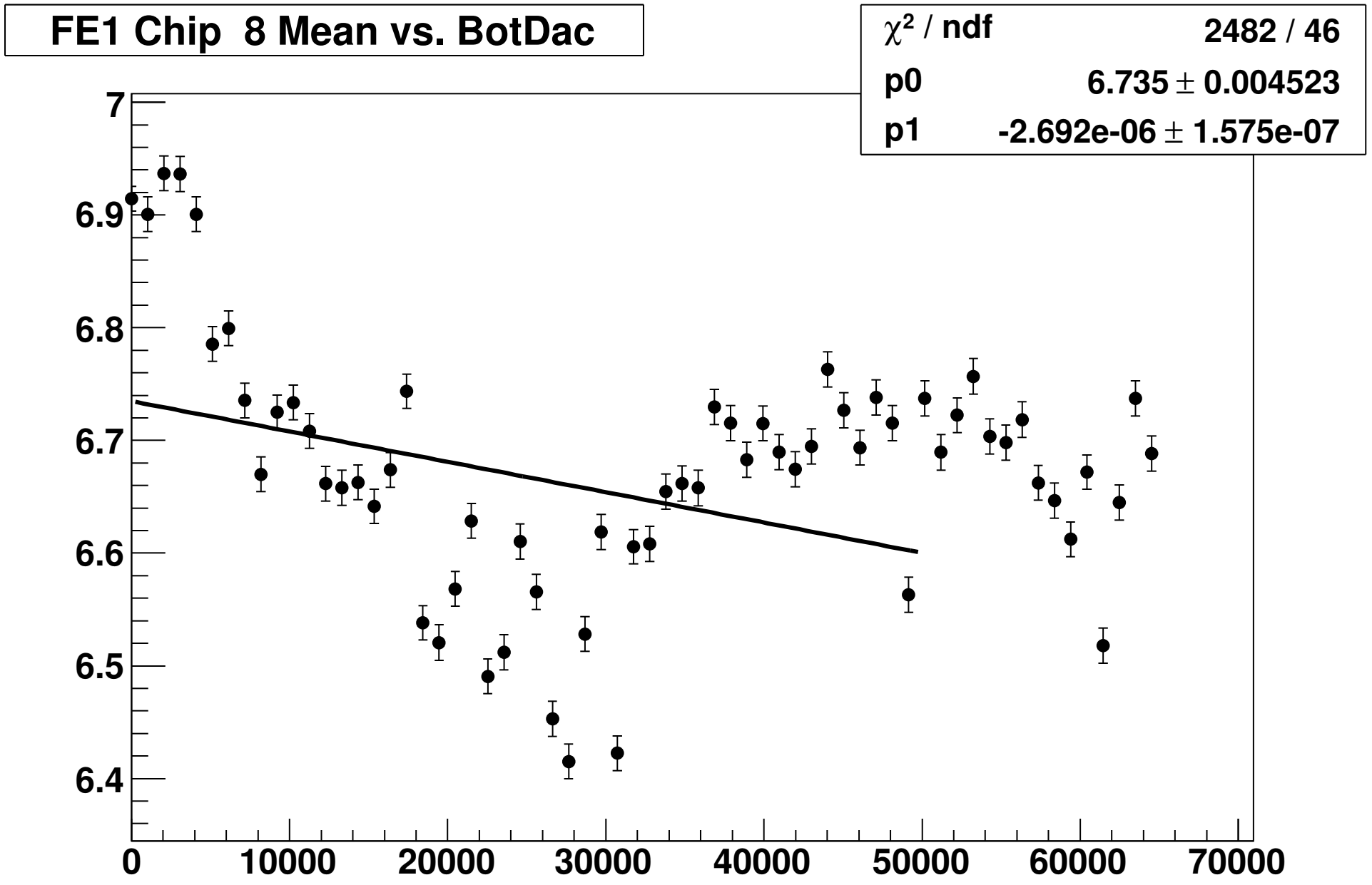
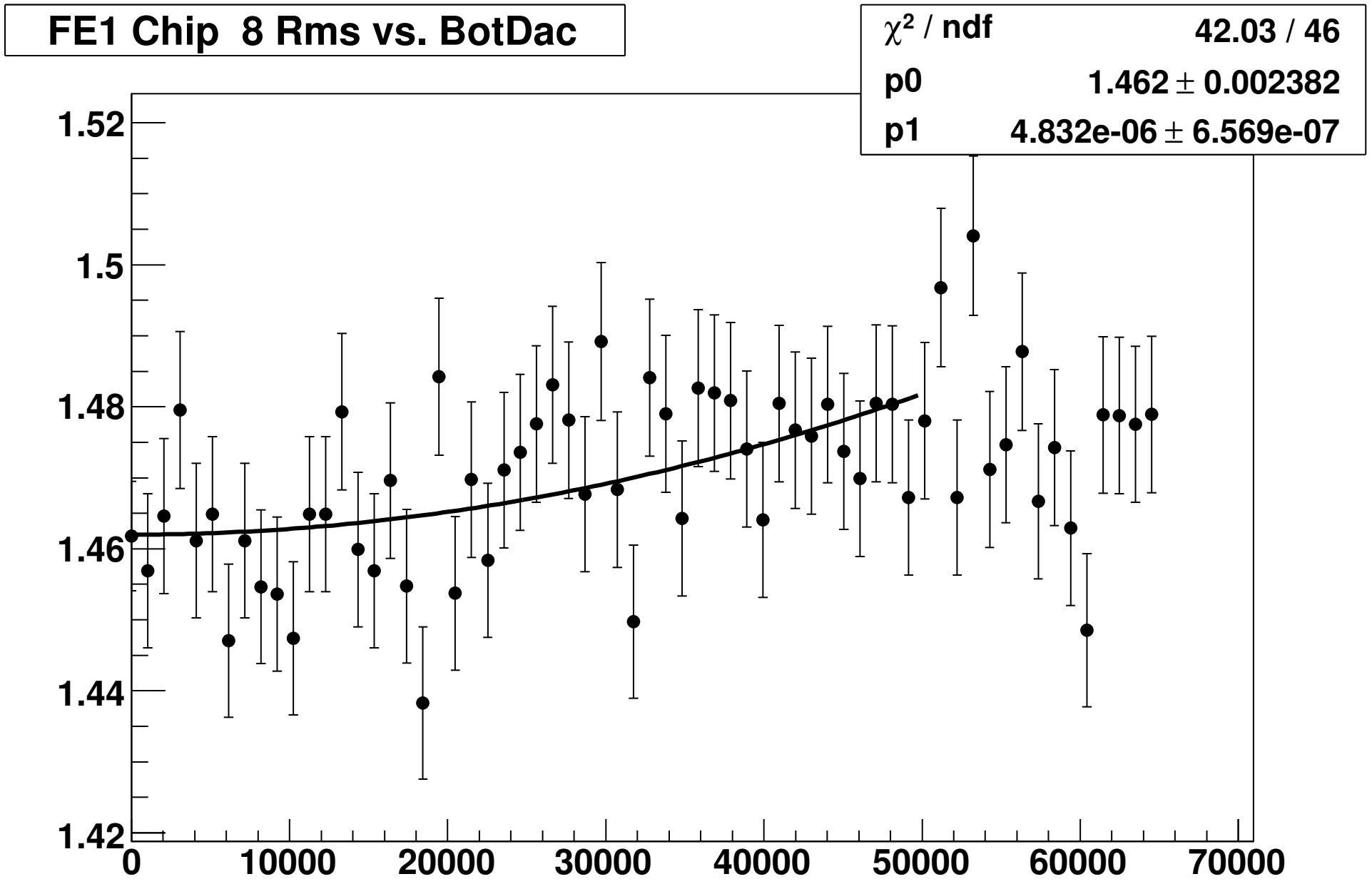
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1028 / 46
p0 1.375 ± 0.002633
p1 3.601e-05 ± 1.389e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 2482 / 46
p0 6.735 ± 0.004523
p1 -2.692e-06 ± 1.575e-07
7
6.9
6.8
6.7
6.6
6.5
6.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 42.03 / 46
p0 1.462 ± 0.002382
p1 4.832e-06 ± 6.569e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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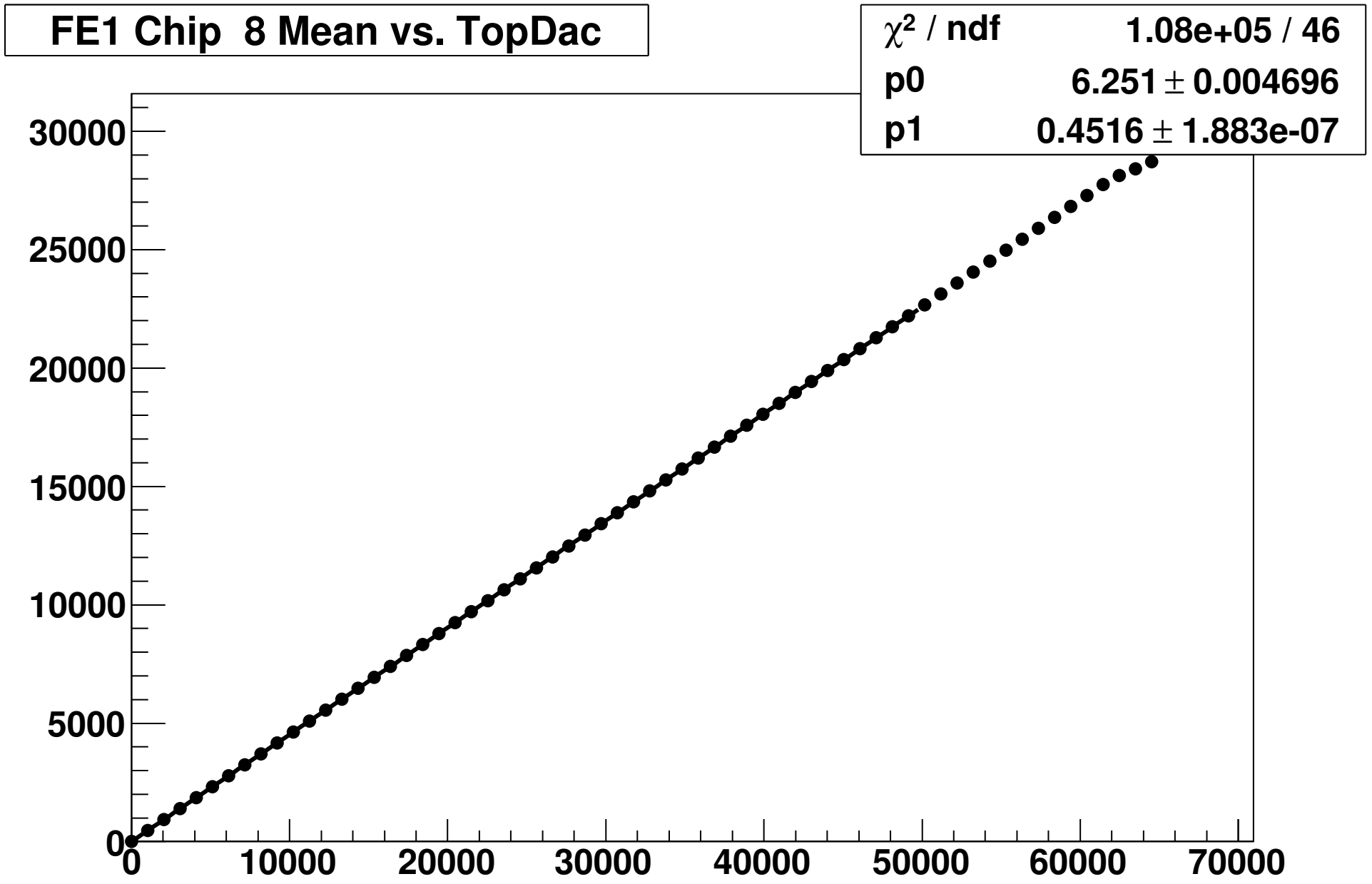
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.08e+05 / 46
p0 6.251 ± 0.004696
p1 0.4516 ± 1.883e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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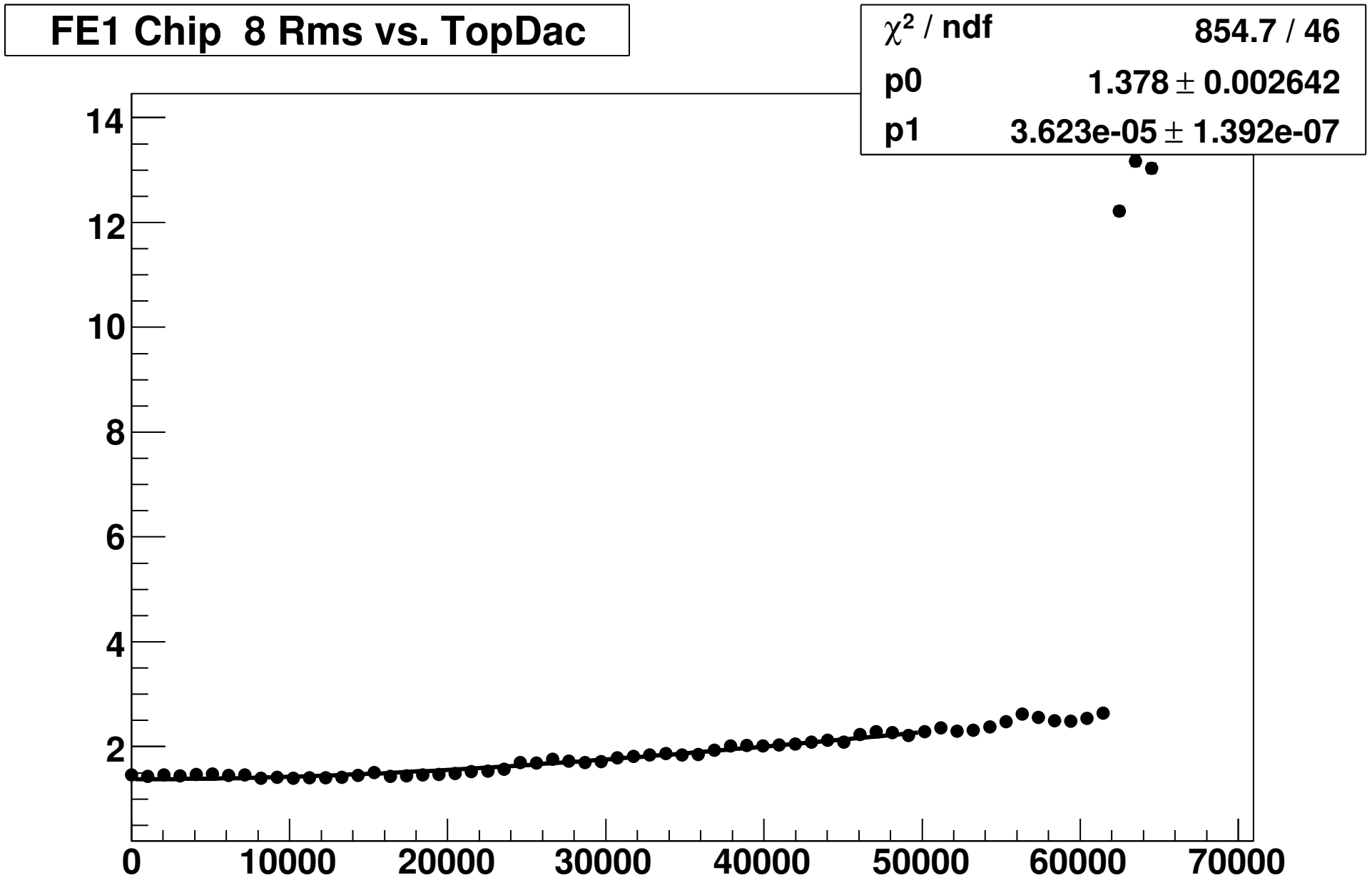
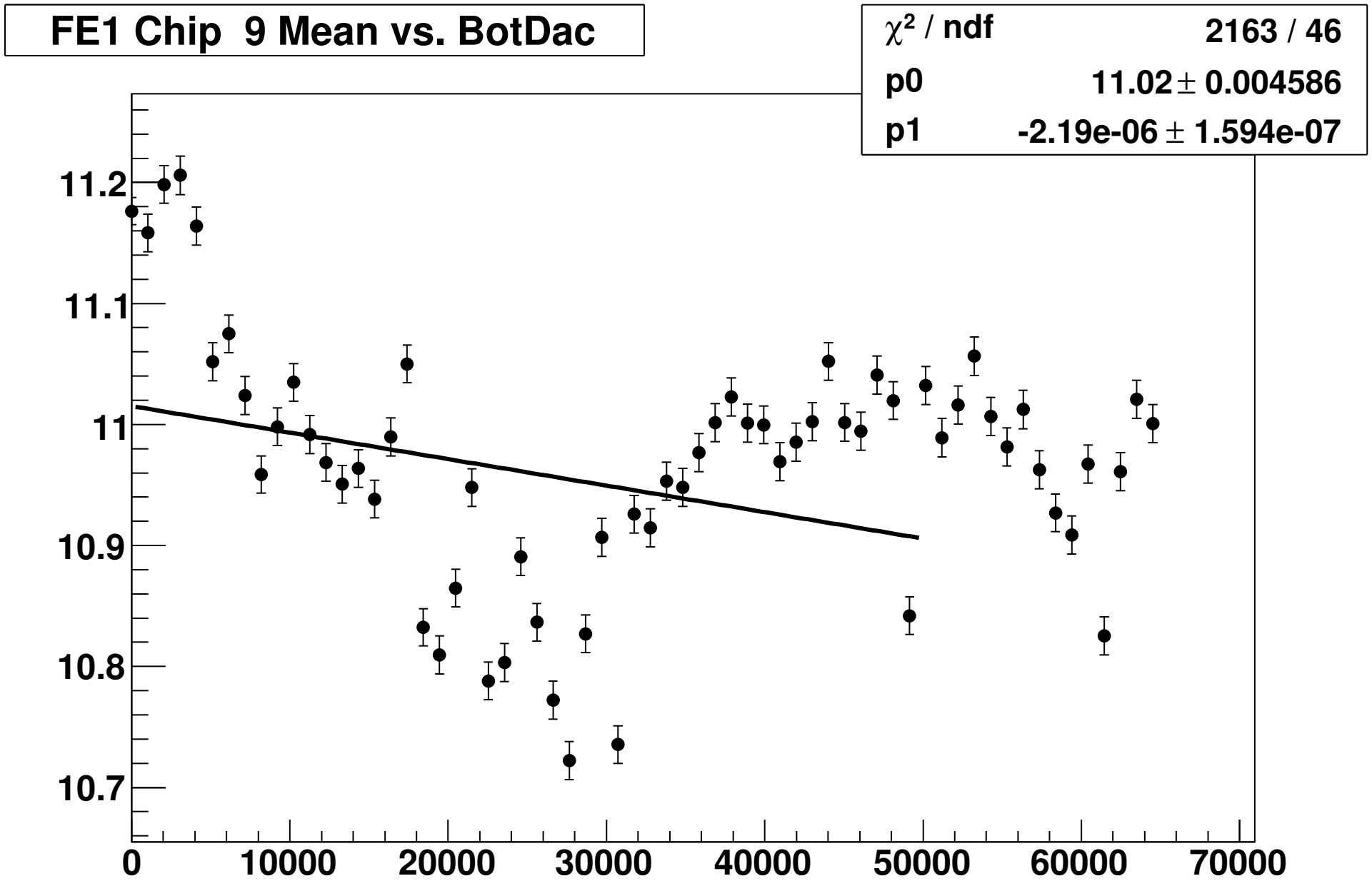
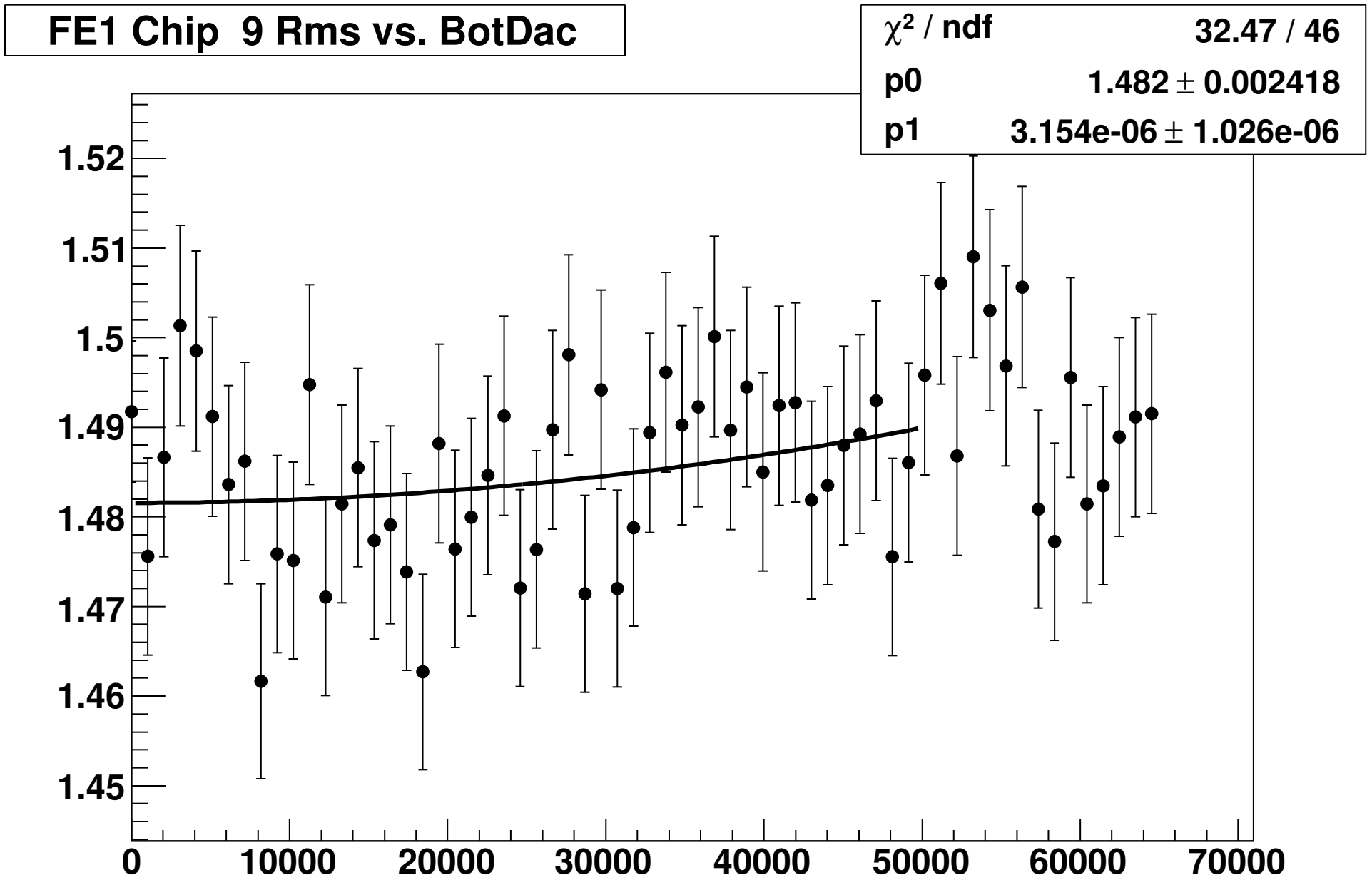
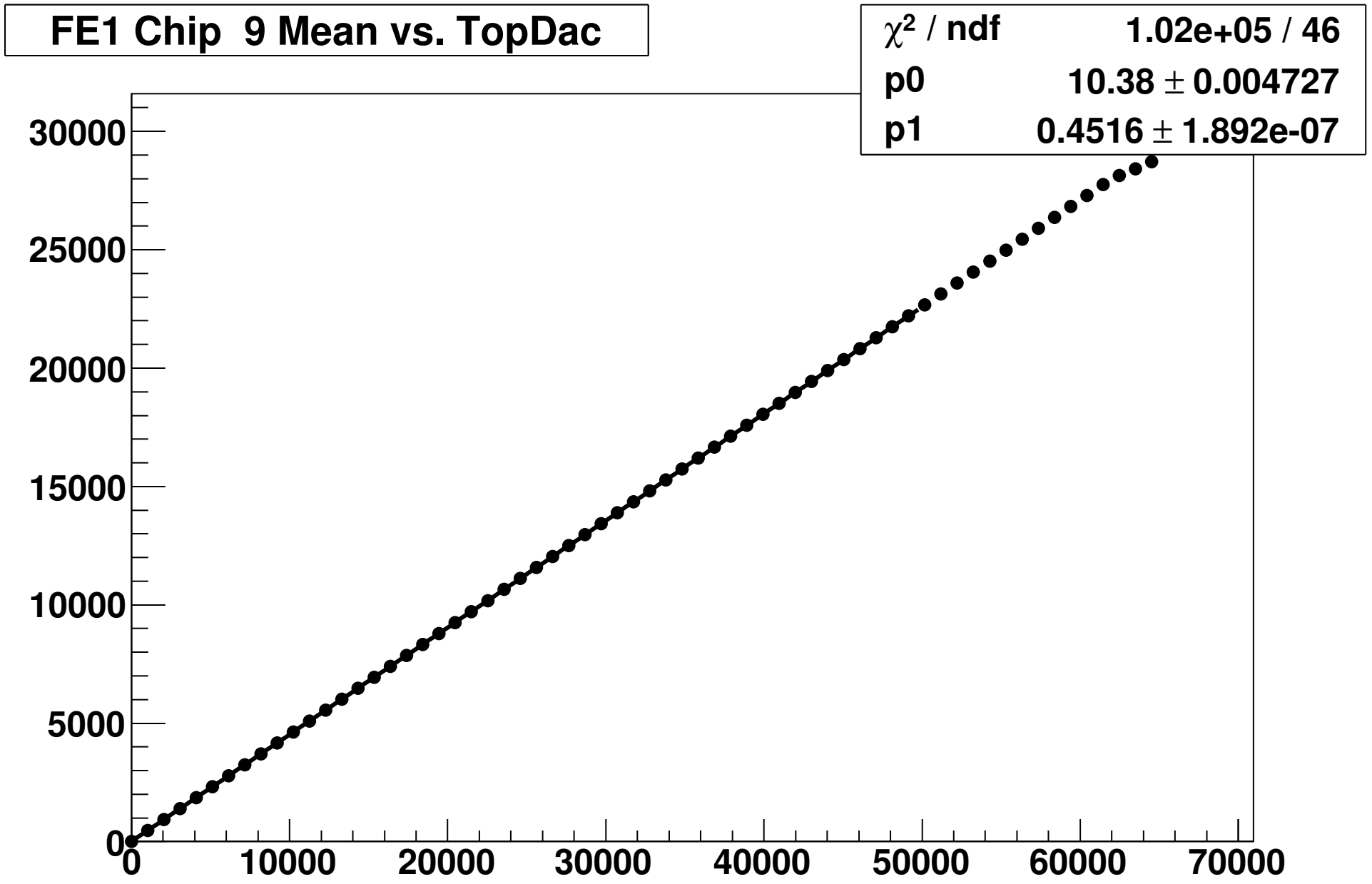
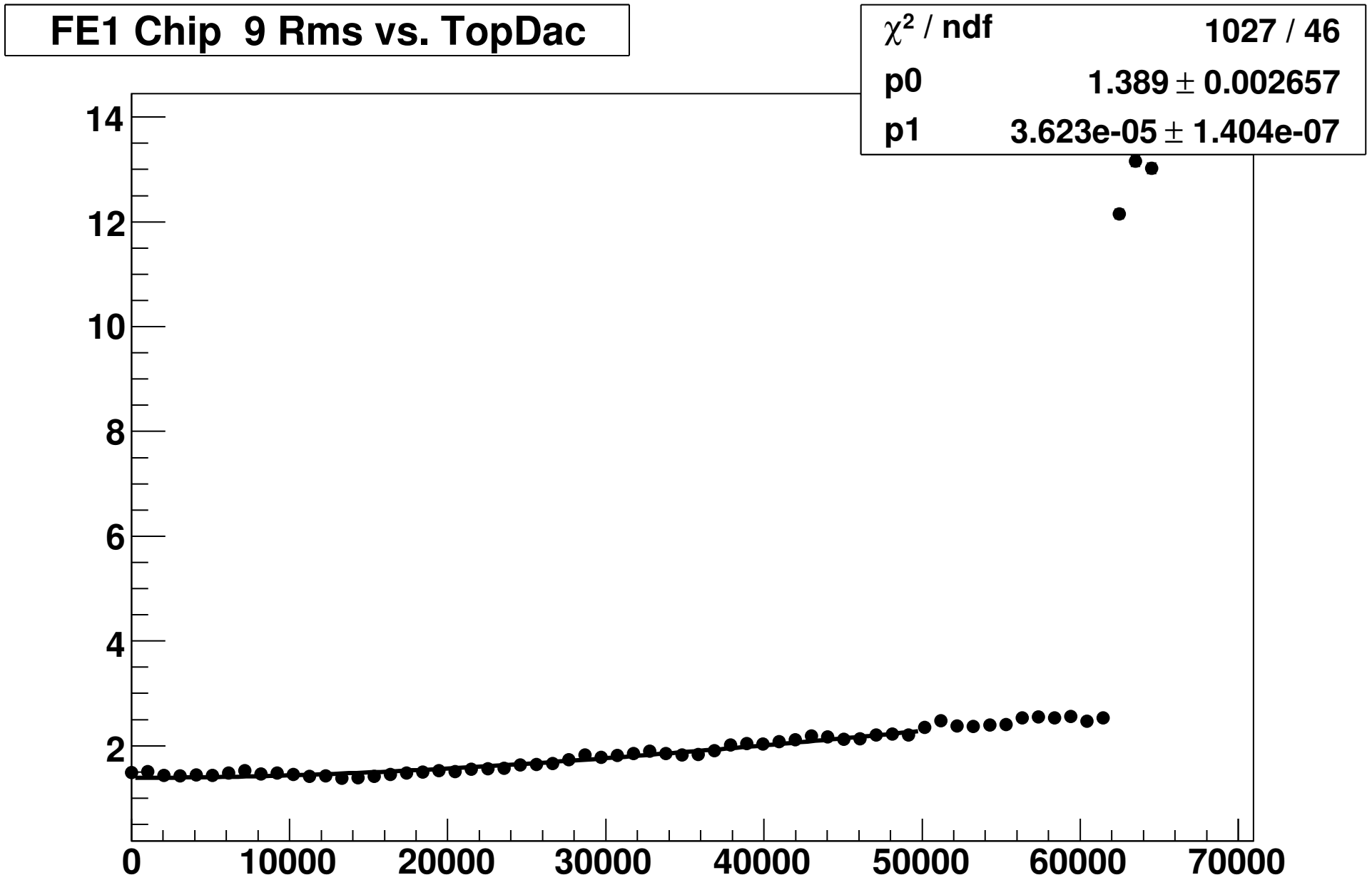

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 854.7 / 46
p0 1.378 ± 0.002642
p1 3.623e-05 ± 1.392e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 2163 / 46
p0 11.02 ± 0.004586
p1 -2.19e-06 ± 1.594e-07
11.2
11.1
11
10.9
10.8
10.7
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 32.47 / 46
p0 1.482 ± 0.002418
p1 3.154e-06 ± 1.026e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.02e+05 / 46
p0 10.38 ± 0.004727
p1 0.4516 ± 1.892e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1027 / 46
p0 1.389 ± 0.002657
p1 3.623e-05 ± 1.404e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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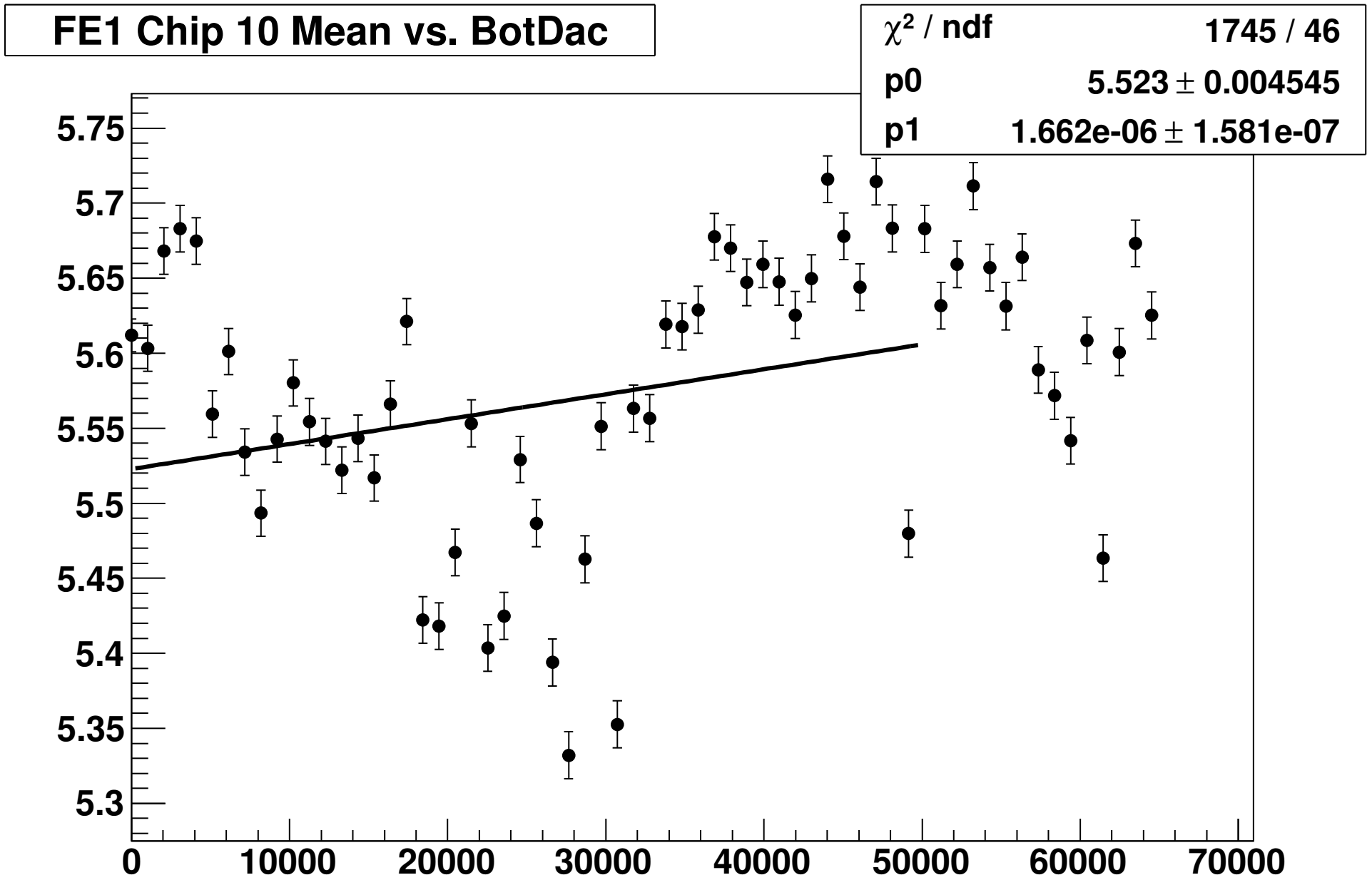
70000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1745 / 46
p0 5.523 ± 0.004545
p1 1.662e-06 ± 1.581e-07
5.75
5.7
5.65
5.6
5.55
5.5
5.45
5.4
5.35
5.3
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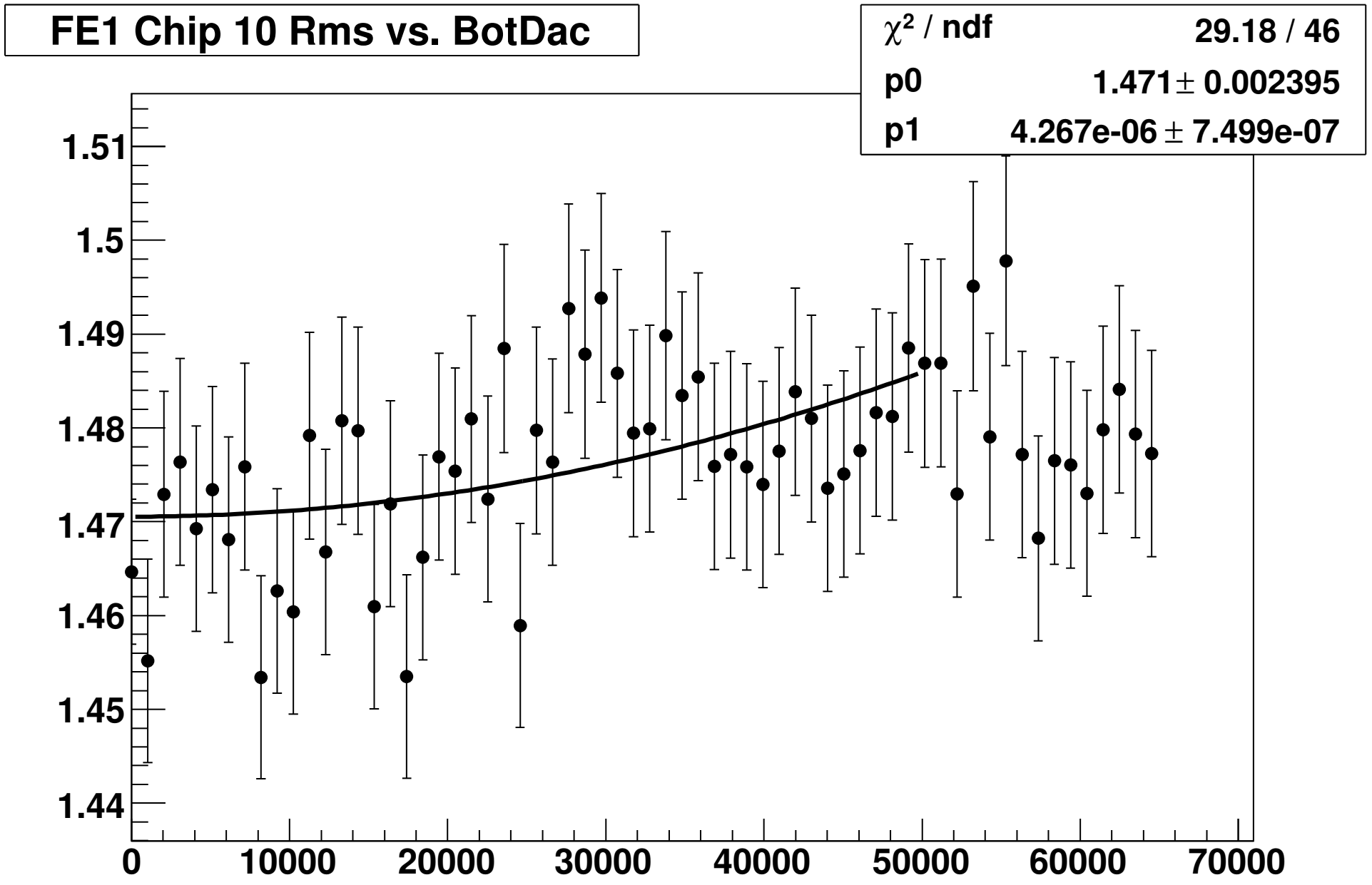
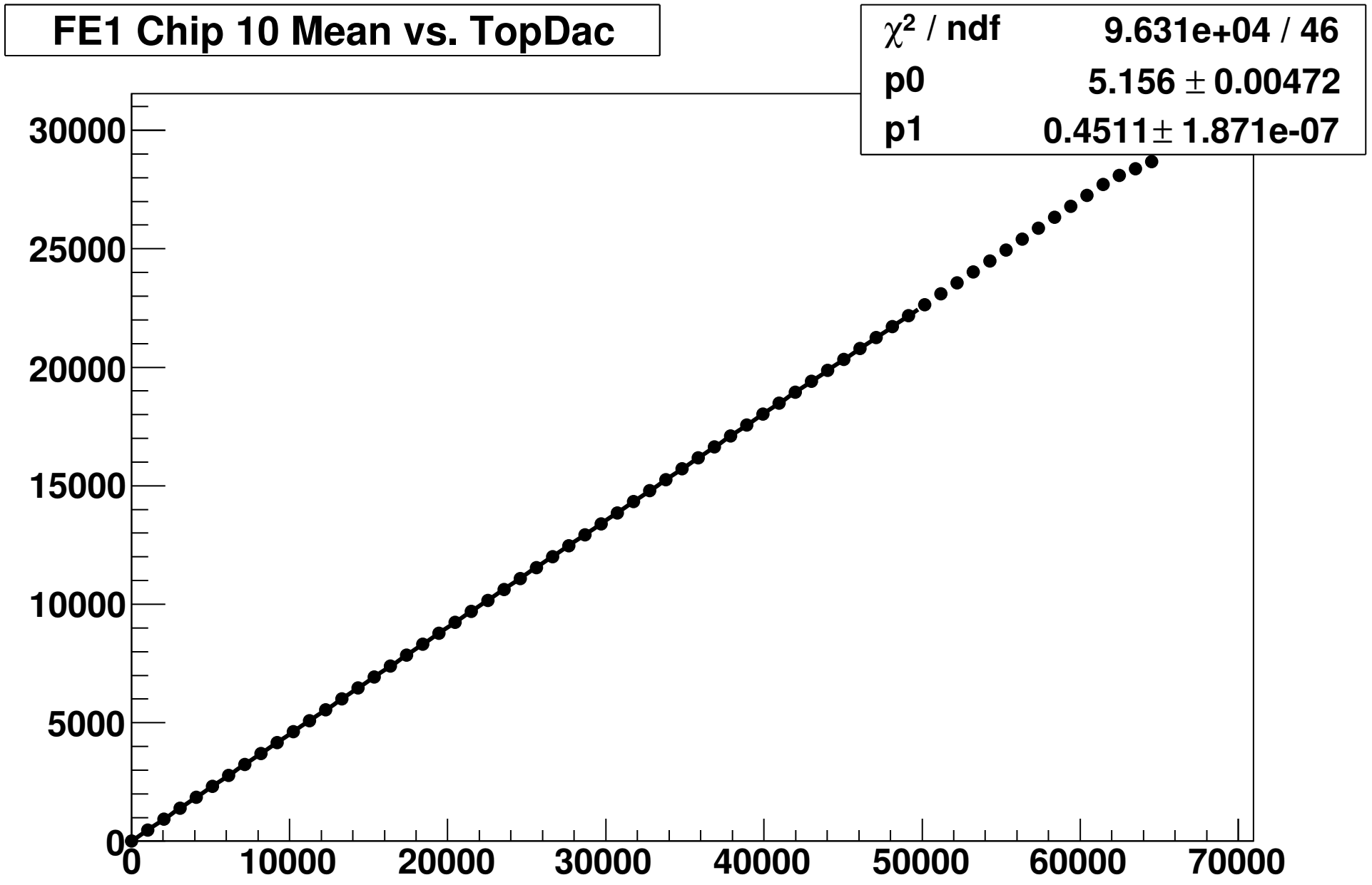
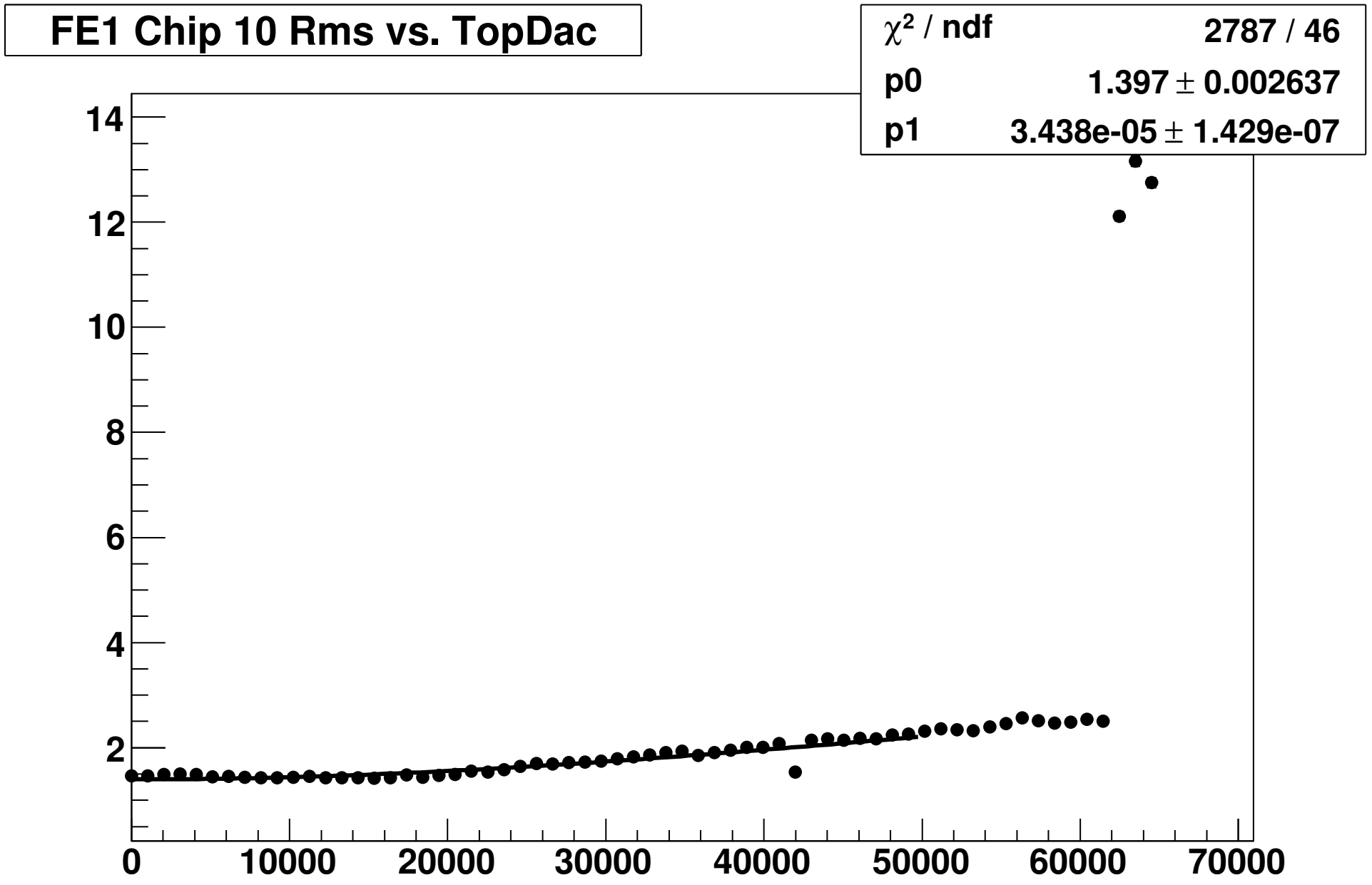
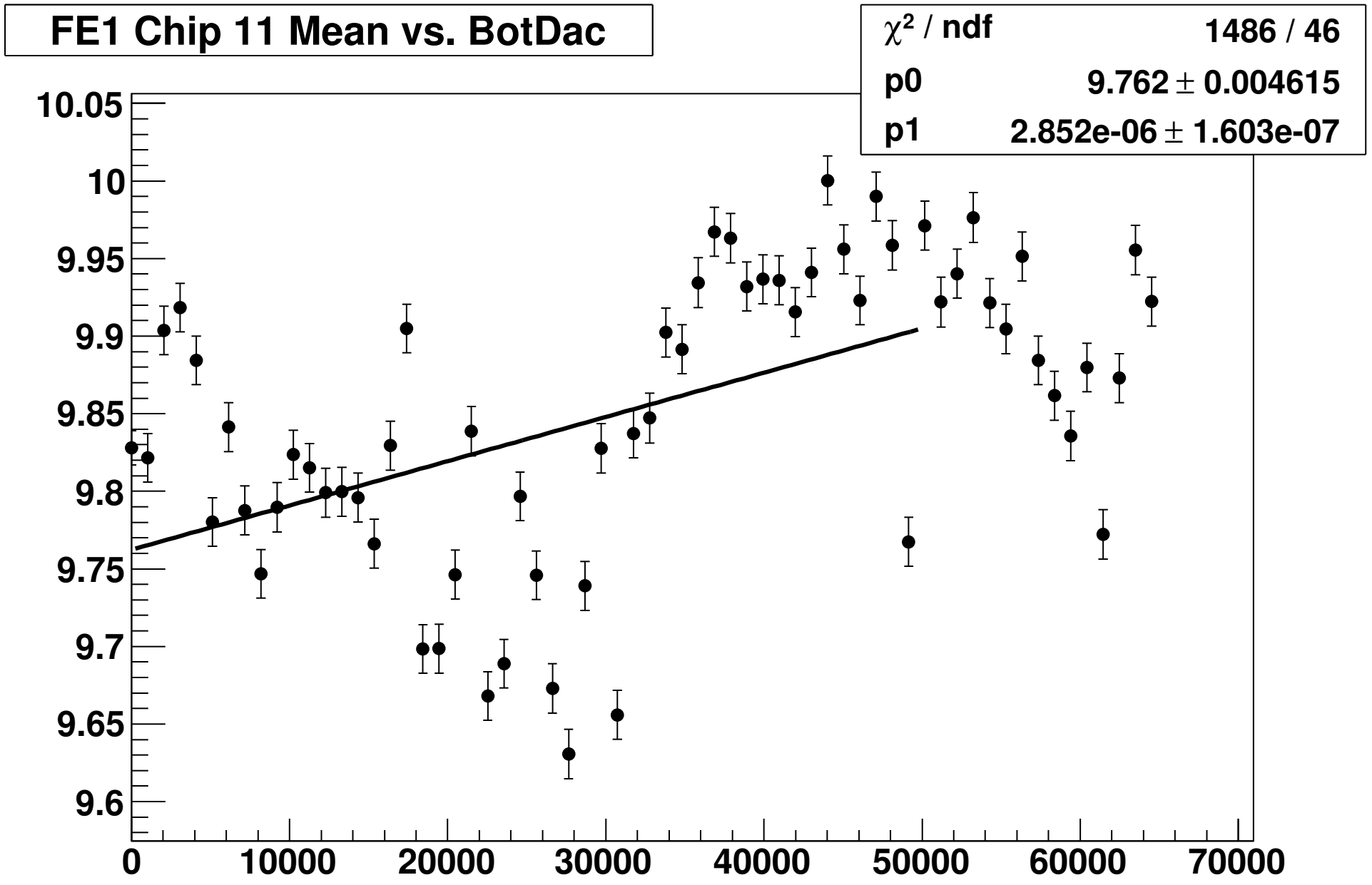
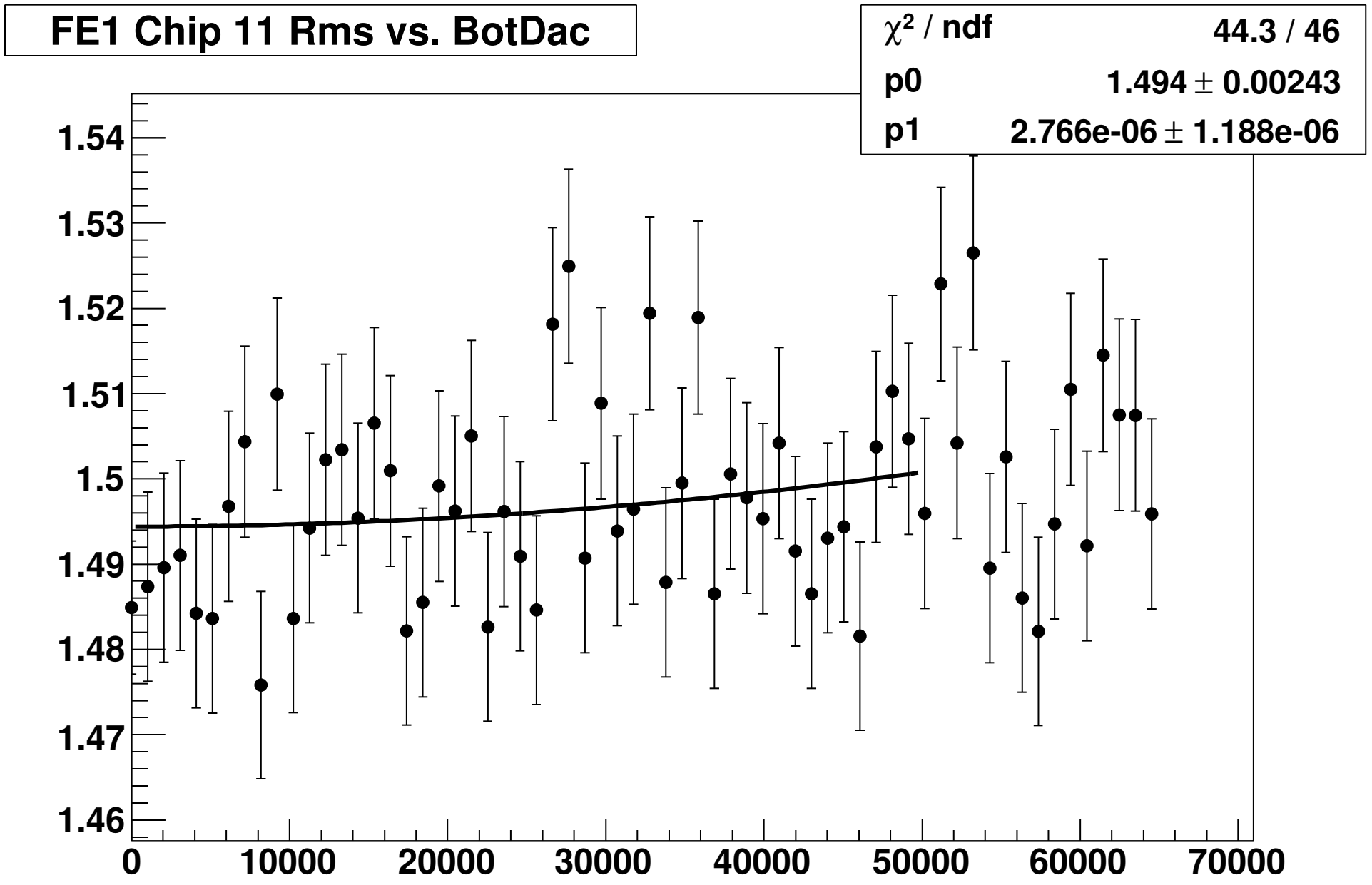
20000
30000
40000
50000
60000
70000

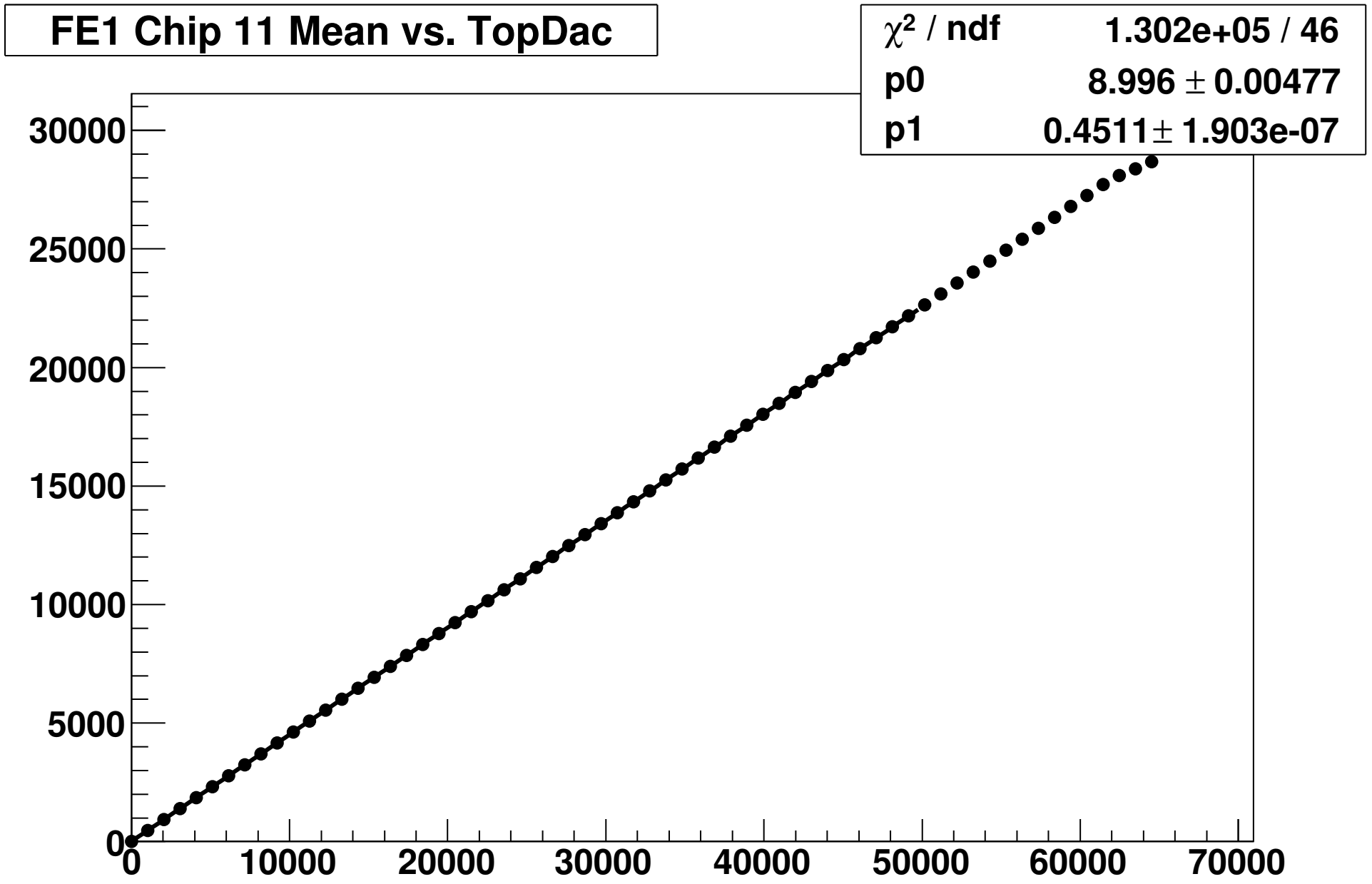

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 29.18 / 46
p0 1.471 ± 0.002395
p1 4.267e-06 ± 7.499e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

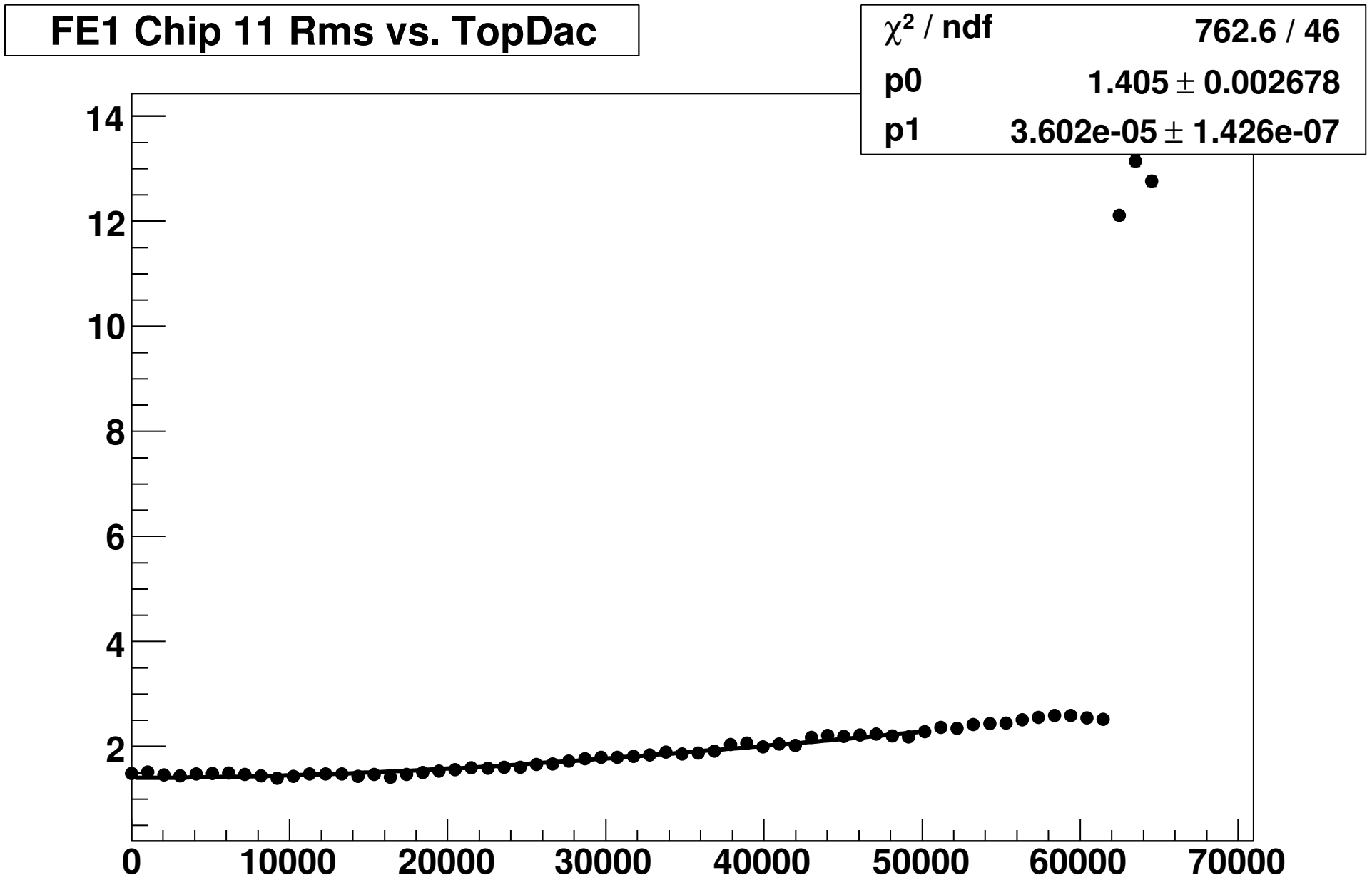

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 9.631e+04 / 46
p0 5.156 ± 0.00472
p1 0.4511 ± 1.871e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

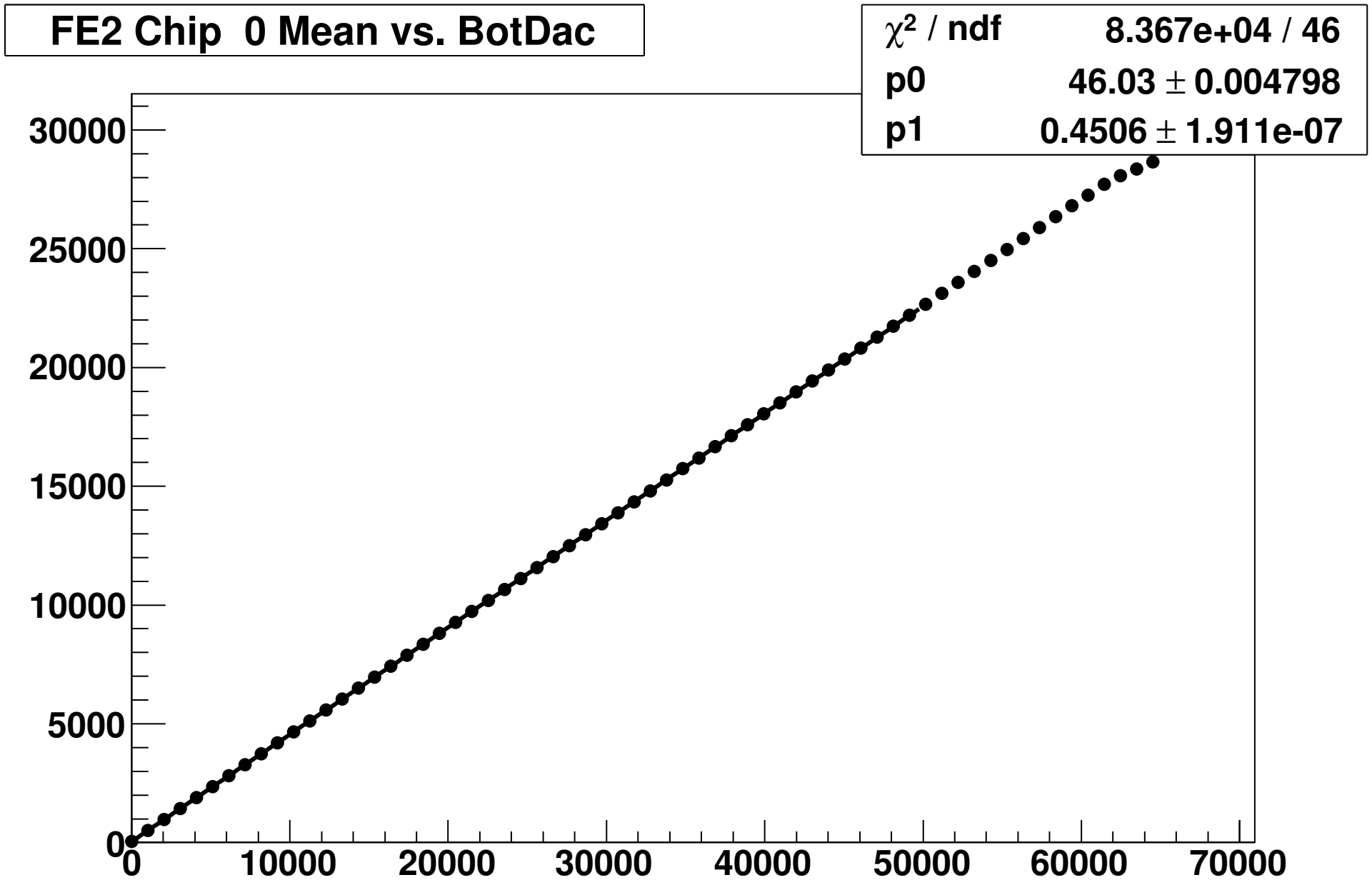

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 2787 / 46
p0 1.397 ± 0.002637
p1 3.438e-05 ± 1.429e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

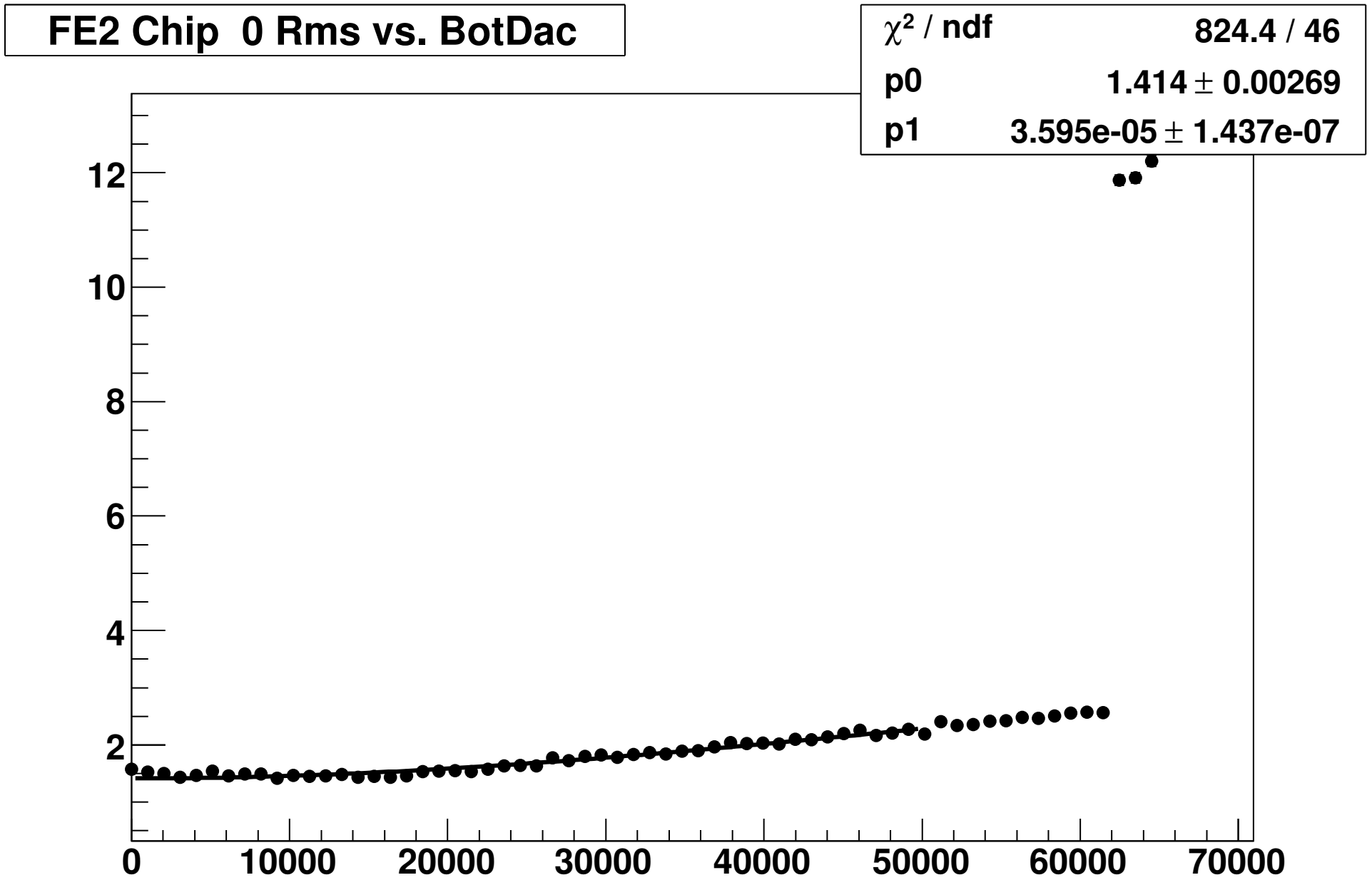

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1486 / 46
p0 9.762 ± 0.004615
p1 2.852e-06 ± 1.603e-07
10.05
10
9.95
9.9
9.85
9.8
9.75
9.7
9.65
9.6
0
10000
20000
30000
40000
50000
60000
70000

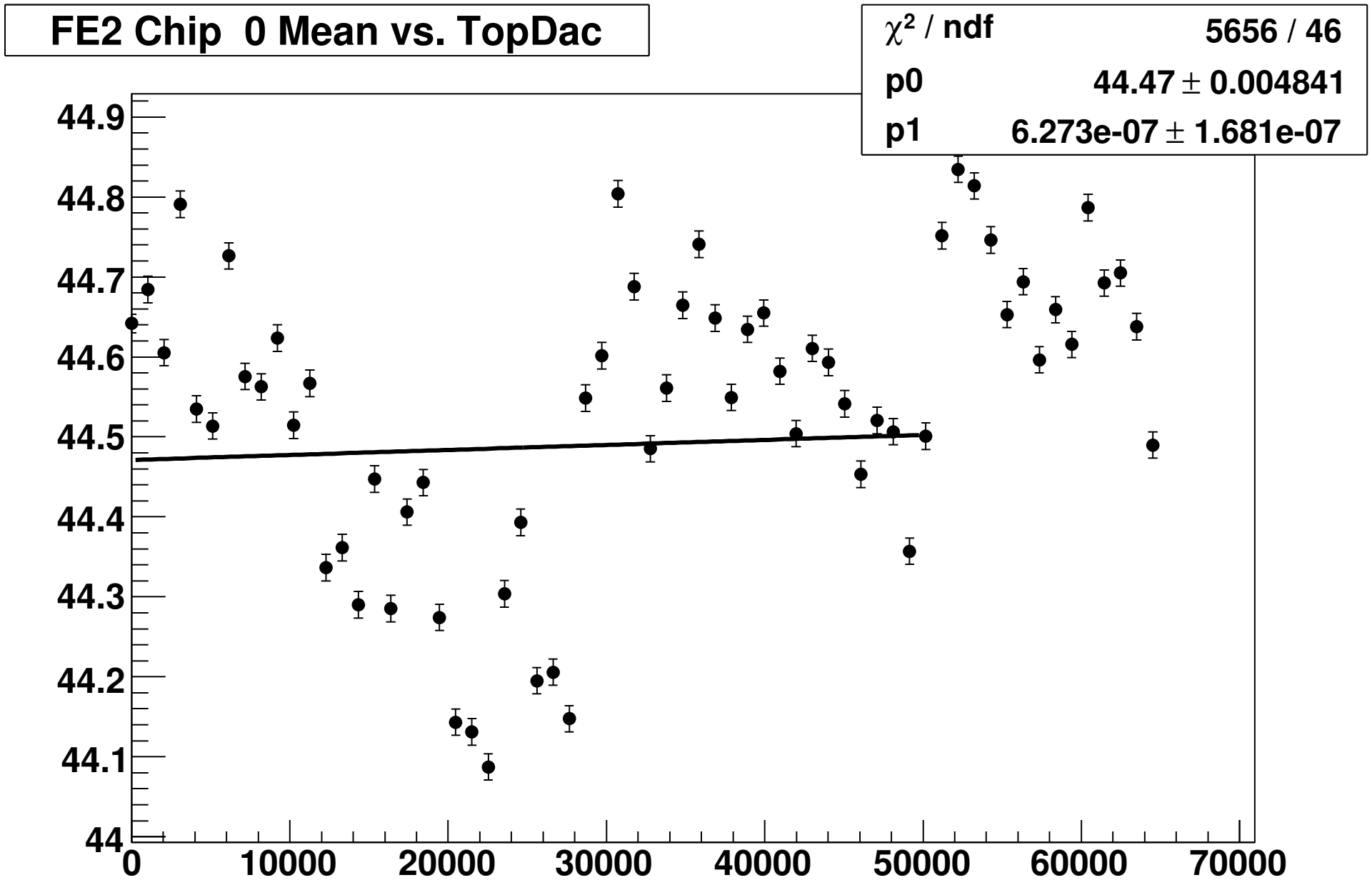

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 44.3 / 46
p0 1.494 ± 0.00243
p1 2.766e-06 ± 1.188e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

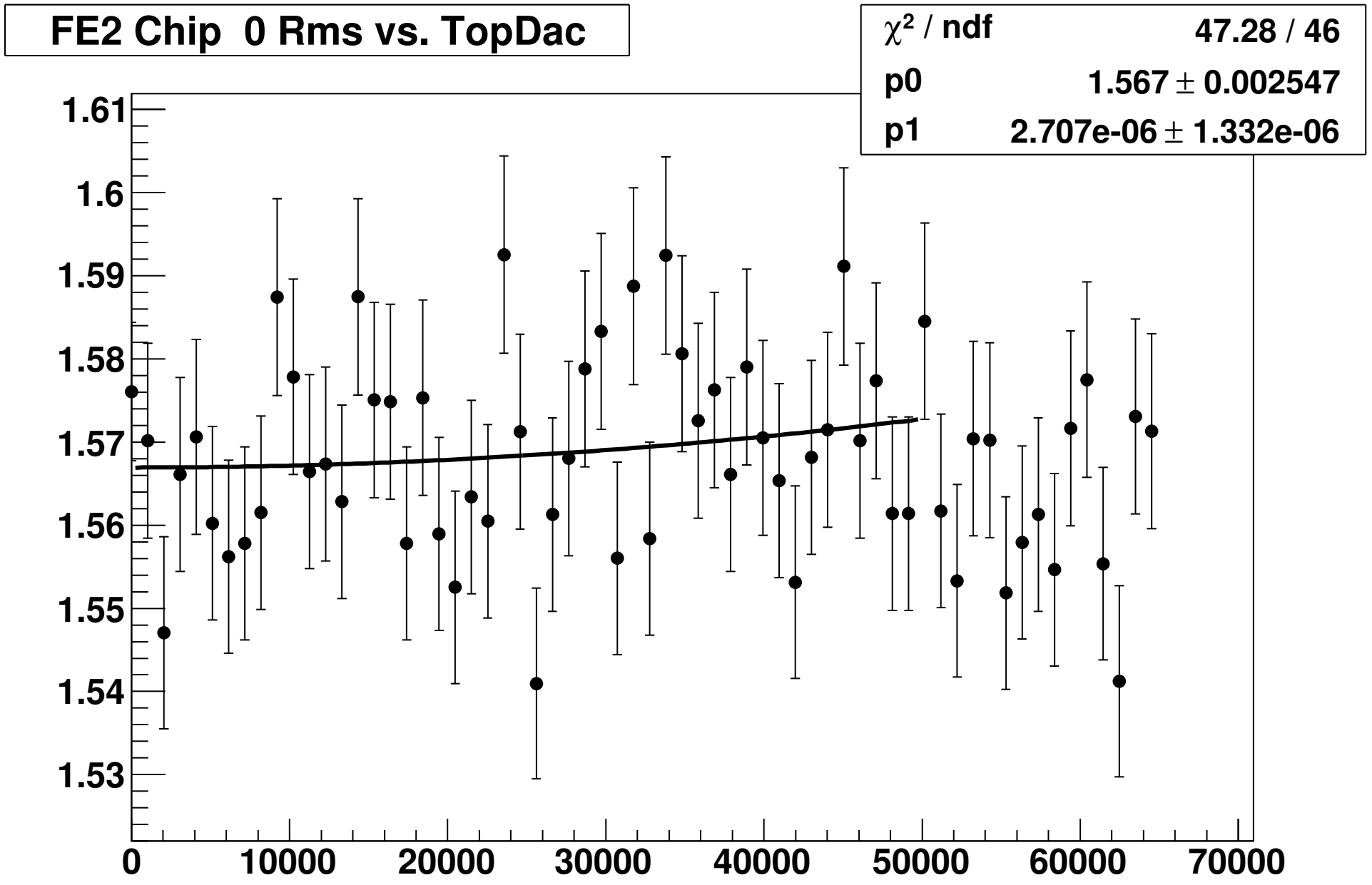

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.302e+05 / 46
p0 8.996 ± 0.00477
p1 0.4511 ± 1.903e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

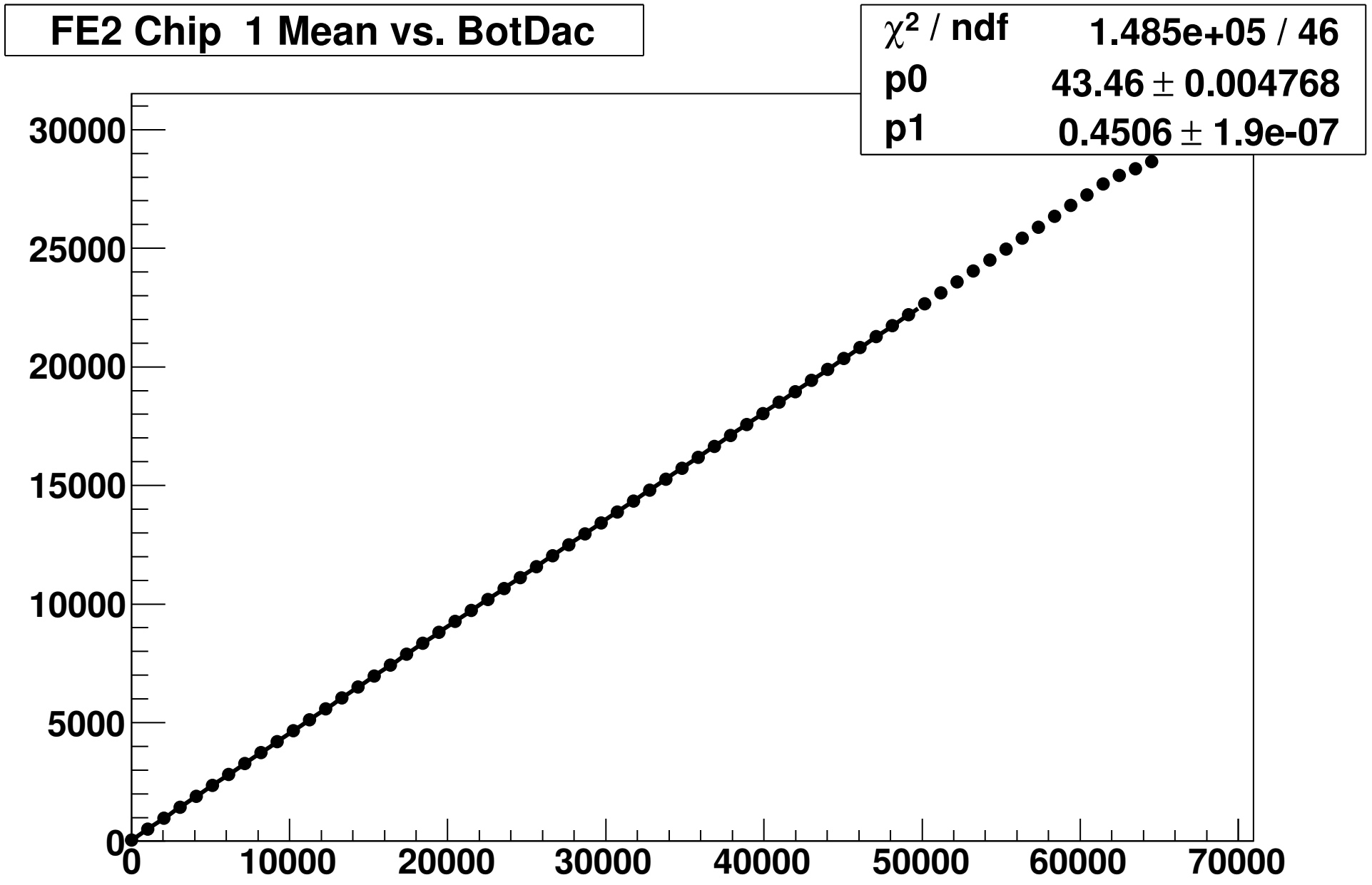

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 762.6 / 46
p0 1.405 ± 0.002678
p1 3.602e-05 ± 1.426e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

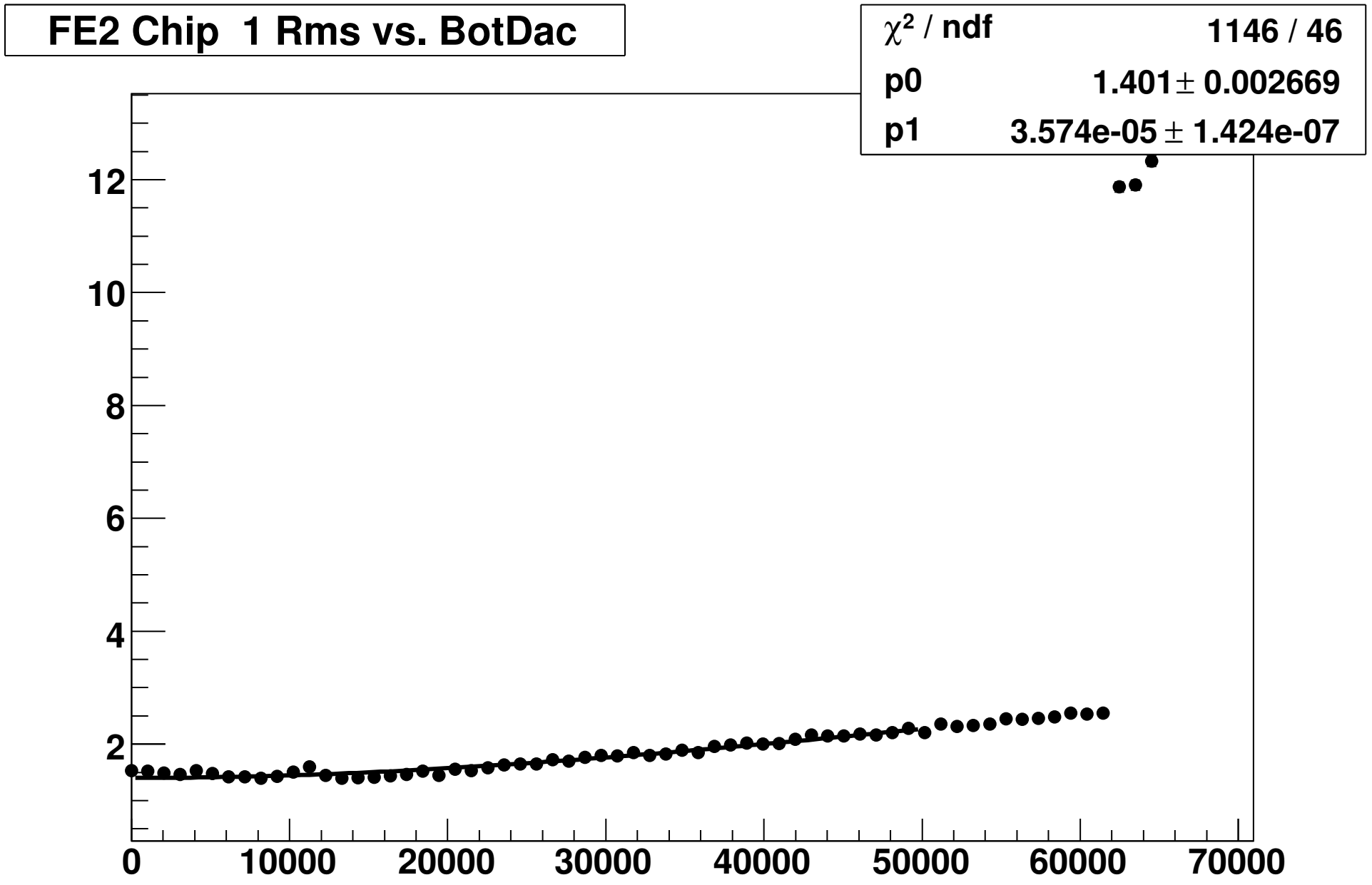

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 8.367e+04 / 46
p0 46.03 ± 0.004798
p1 0.4506 ± 1.911e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 824.4 / 46
p0 1.414 ± 0.00269
p1 3.595e-05 ± 1.437e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 5656 / 46
p0 44.47 ± 0.004841
p1 6.273e-07 ± 1.681e-07
44.9
44.8
44.7
44.6
44.5
44.4
44.3
44.2
44.1
44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 47.28 / 46
p0 1.567 ± 0.002547
p1 2.707e-06 ± 1.332e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.485e+05 / 46
p0 43.46 ± 0.004768
p1 0.4506 ± 1.9e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 1146 / 46
p0 1.401 ± 0.002669
p1 3.574e-05 ± 1.424e-07
12
10
8
6
4
2
0
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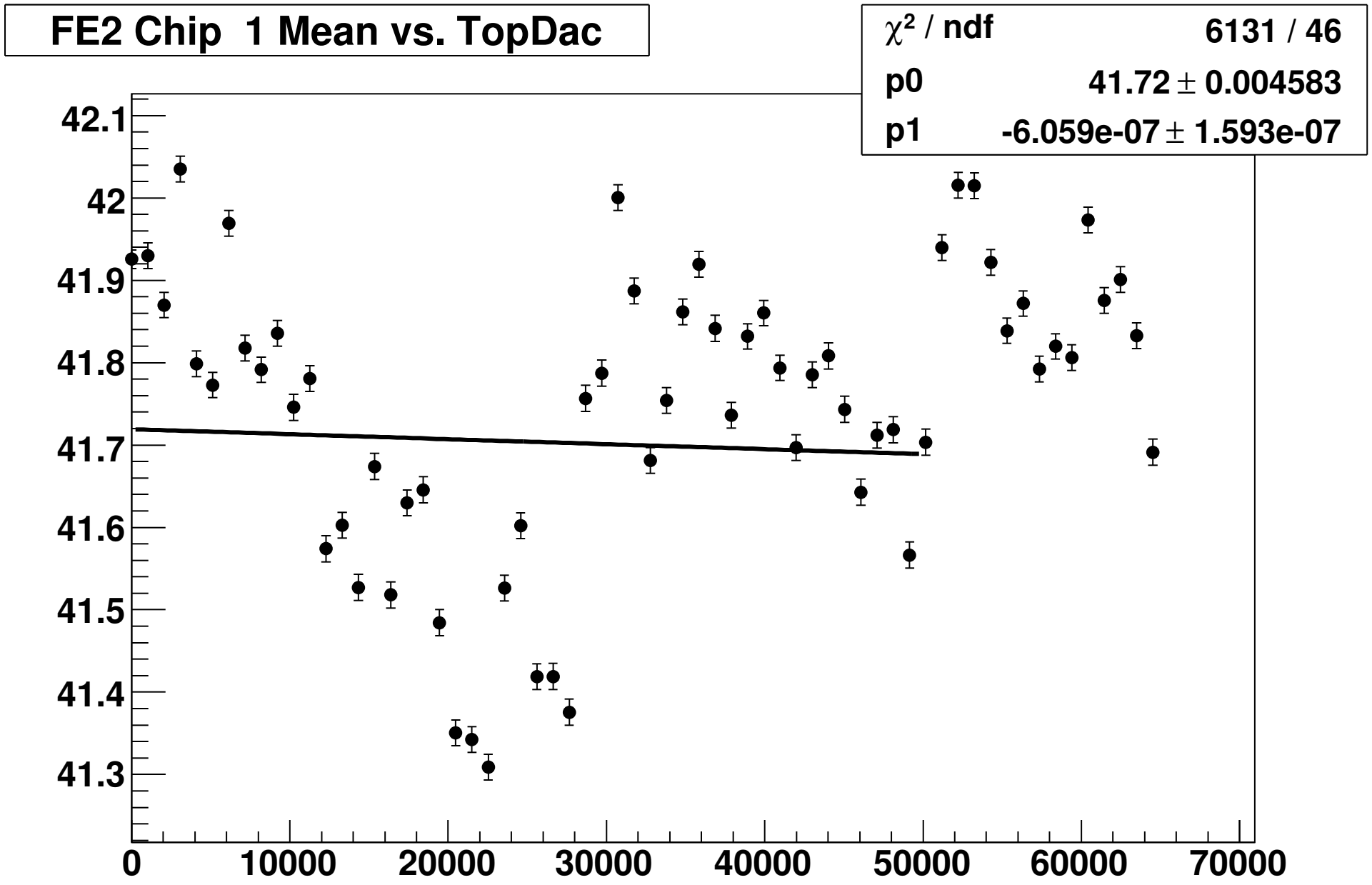
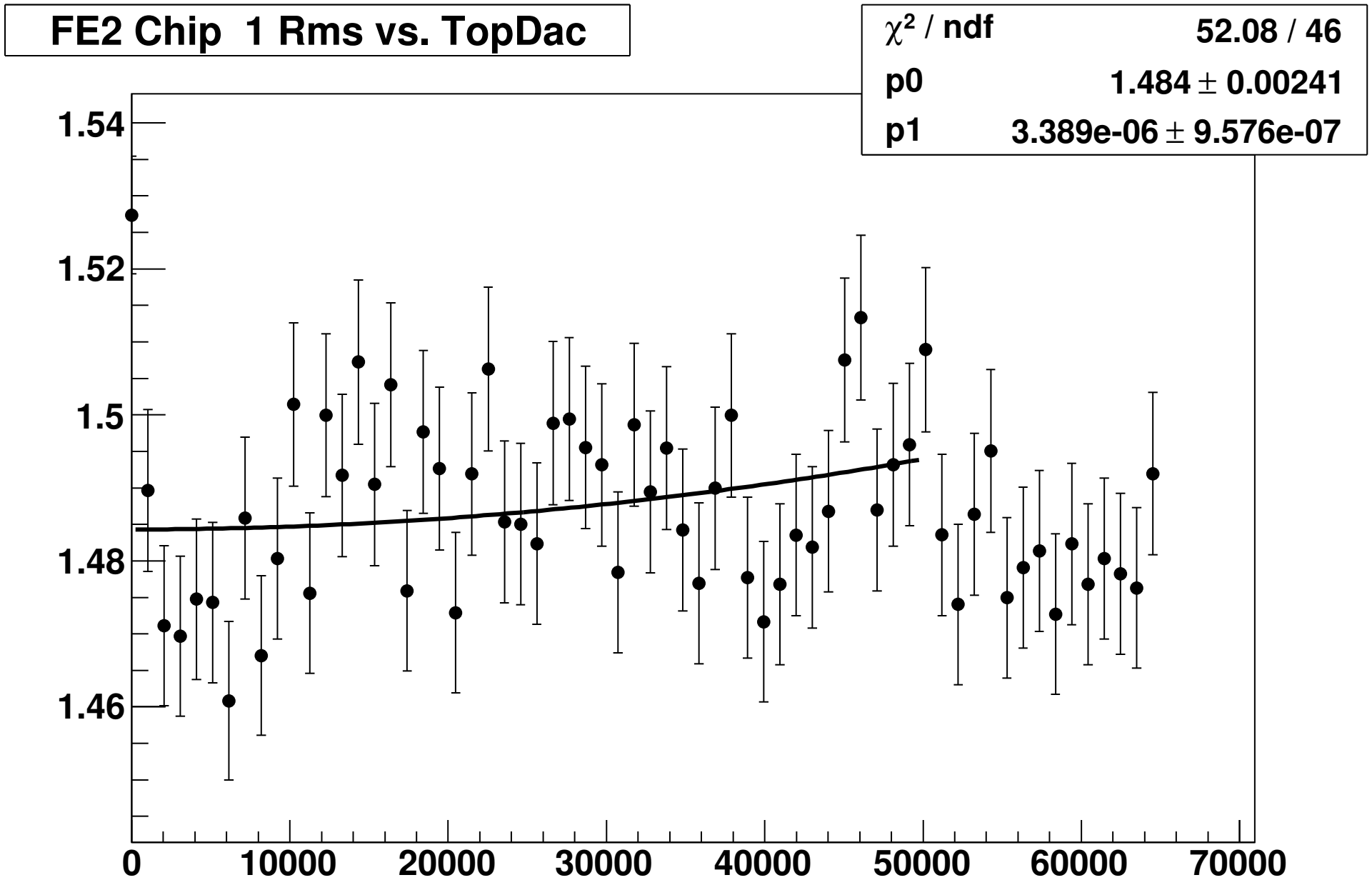
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 6131 / 46
p0 41.72 ± 0.004583
p1 -6.059e-07 ± 1.593e-07
42.1
42
41.9
41.8
41.7
41.6
41.5
41.4
41.3
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 52.08 / 46
p0 1.484 ± 0.00241
p1 3.389e-06 ± 9.576e-07
1.54
1.52
1.5
1.48
1.46
0
10000
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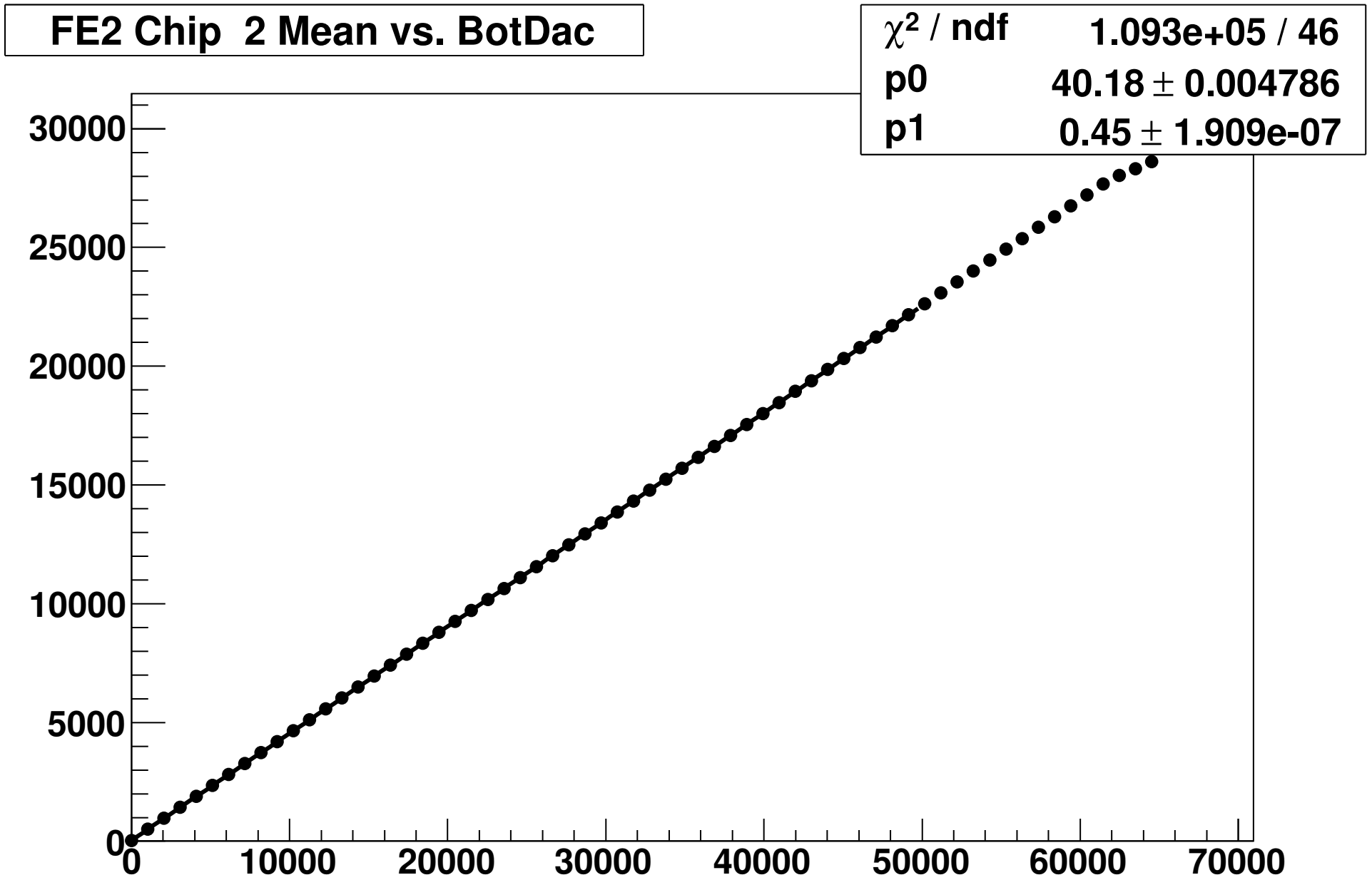
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.093e+05 / 46
p0 40.18 ± 0.004786
p1 0.45 ± 1.909e-07
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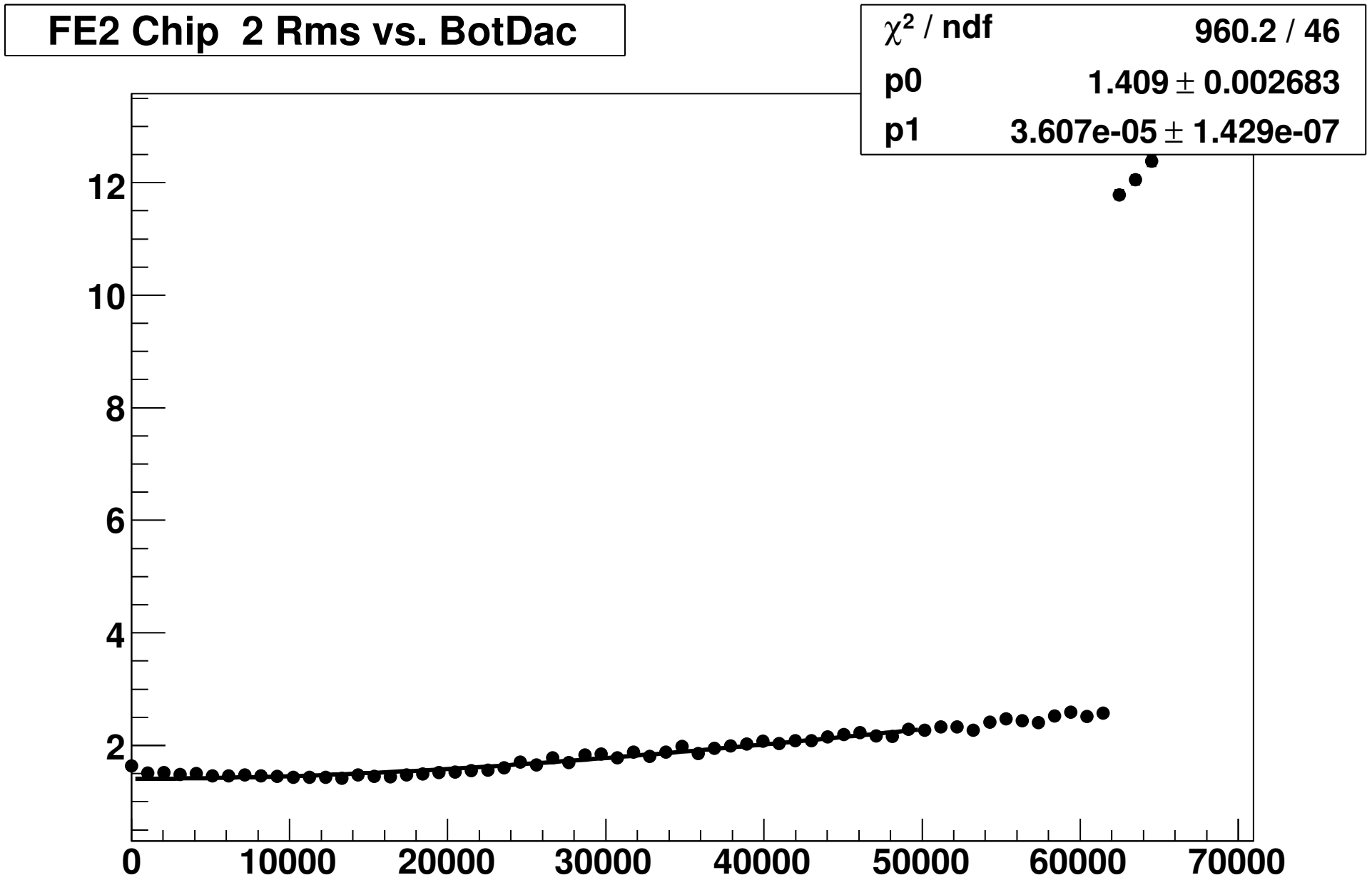
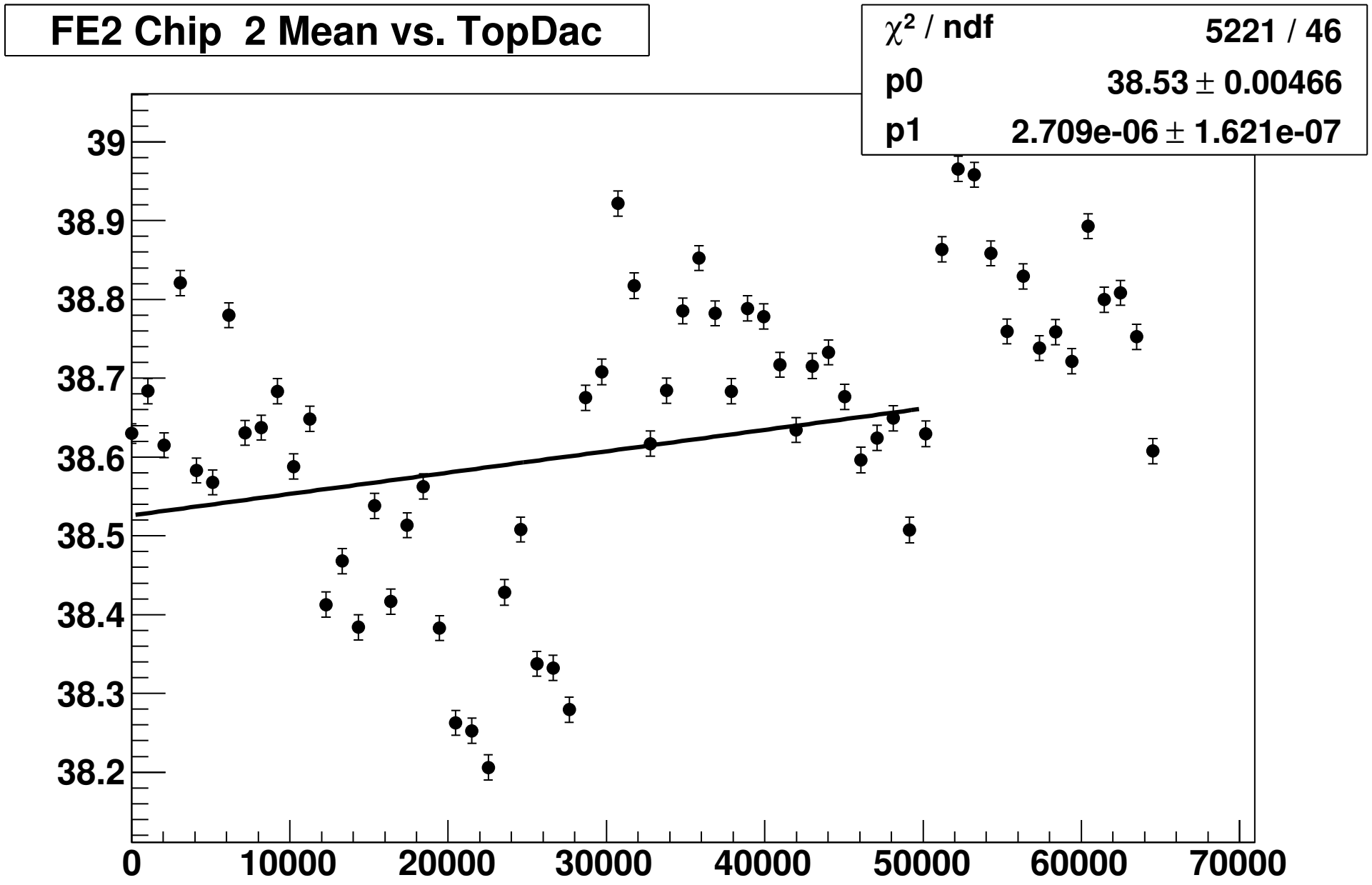
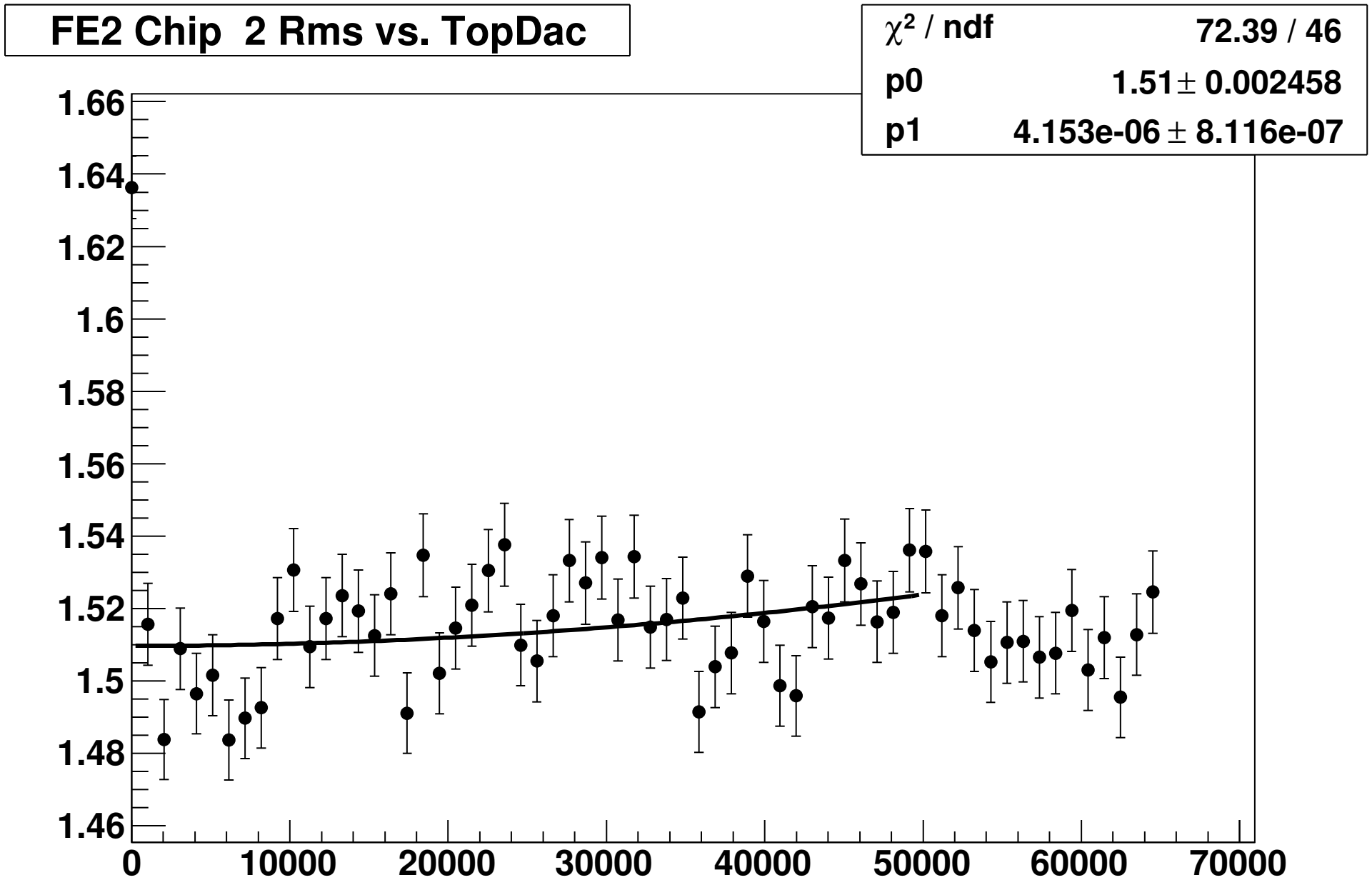
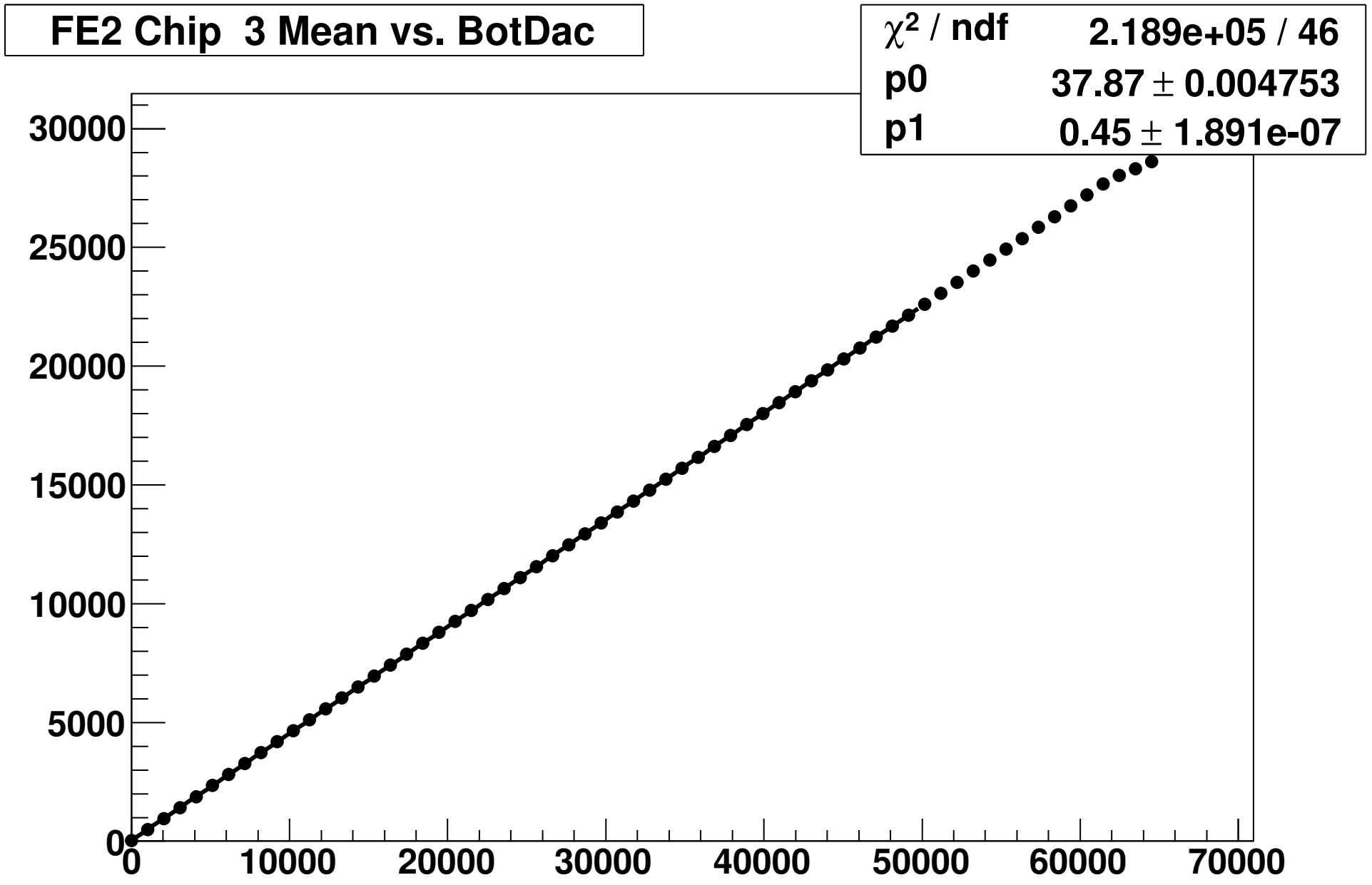
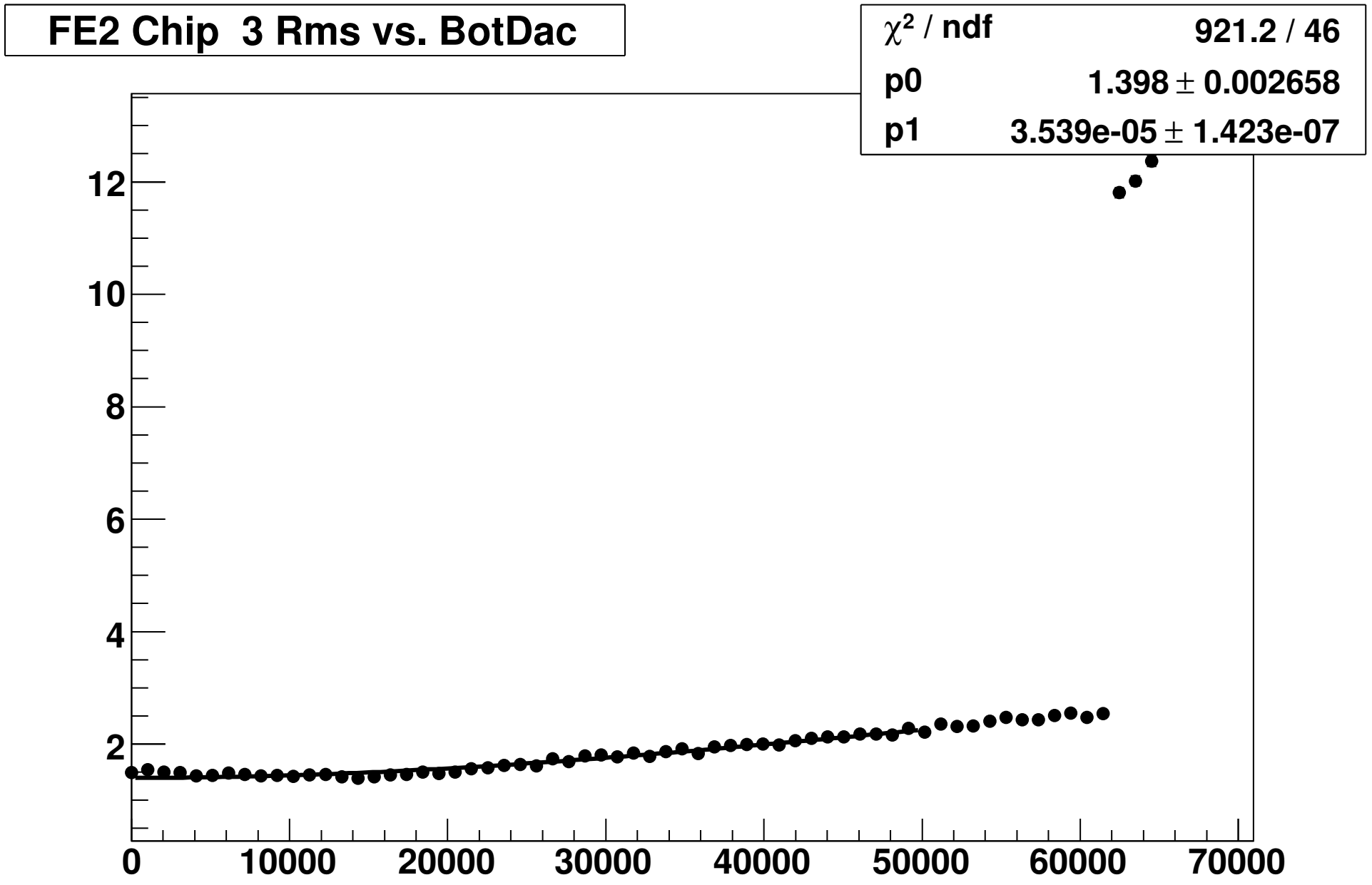
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

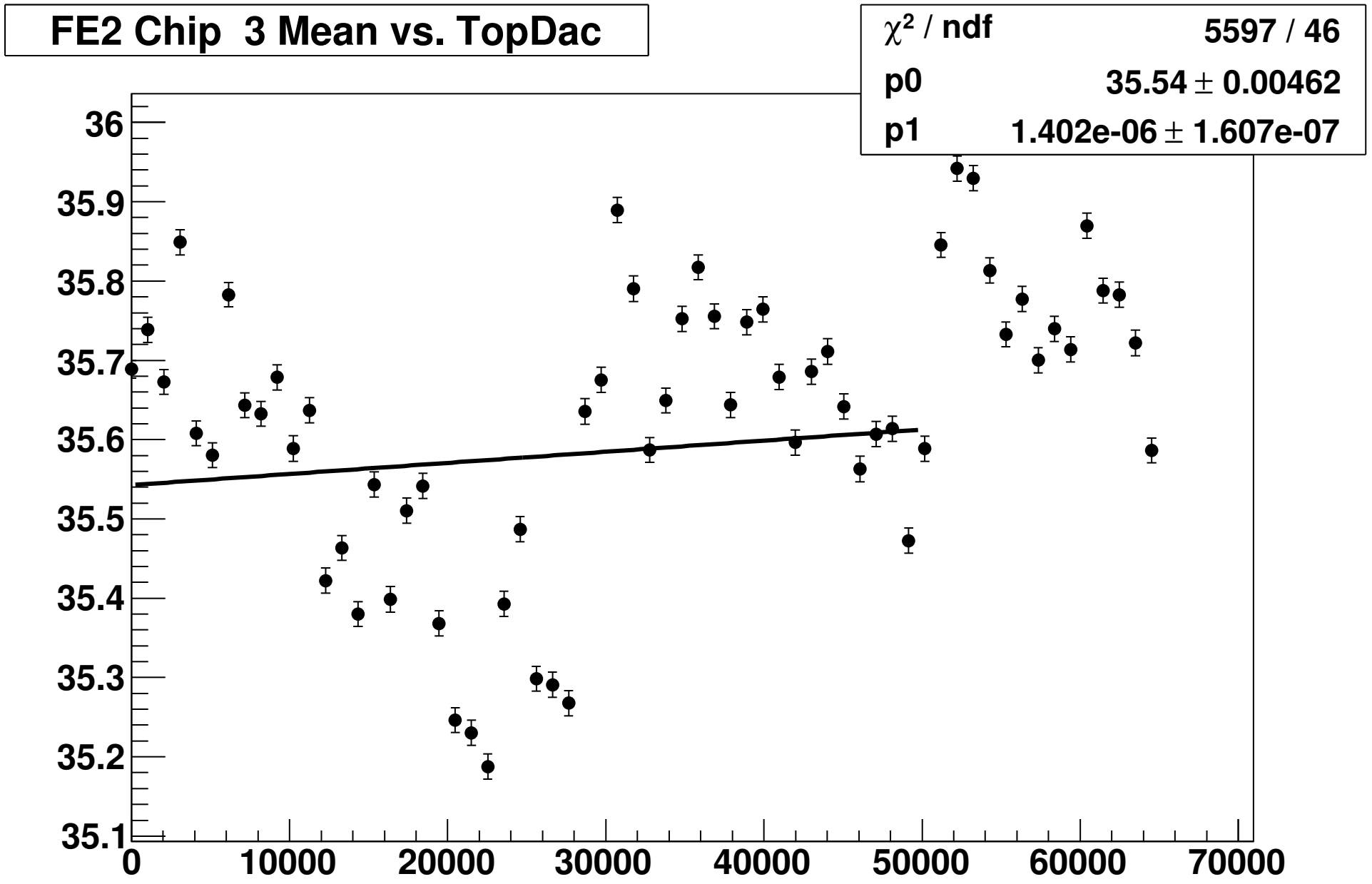

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 960.2 / 46
p0 1.409 ± 0.002683
p1 3.607e-05 ± 1.429e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

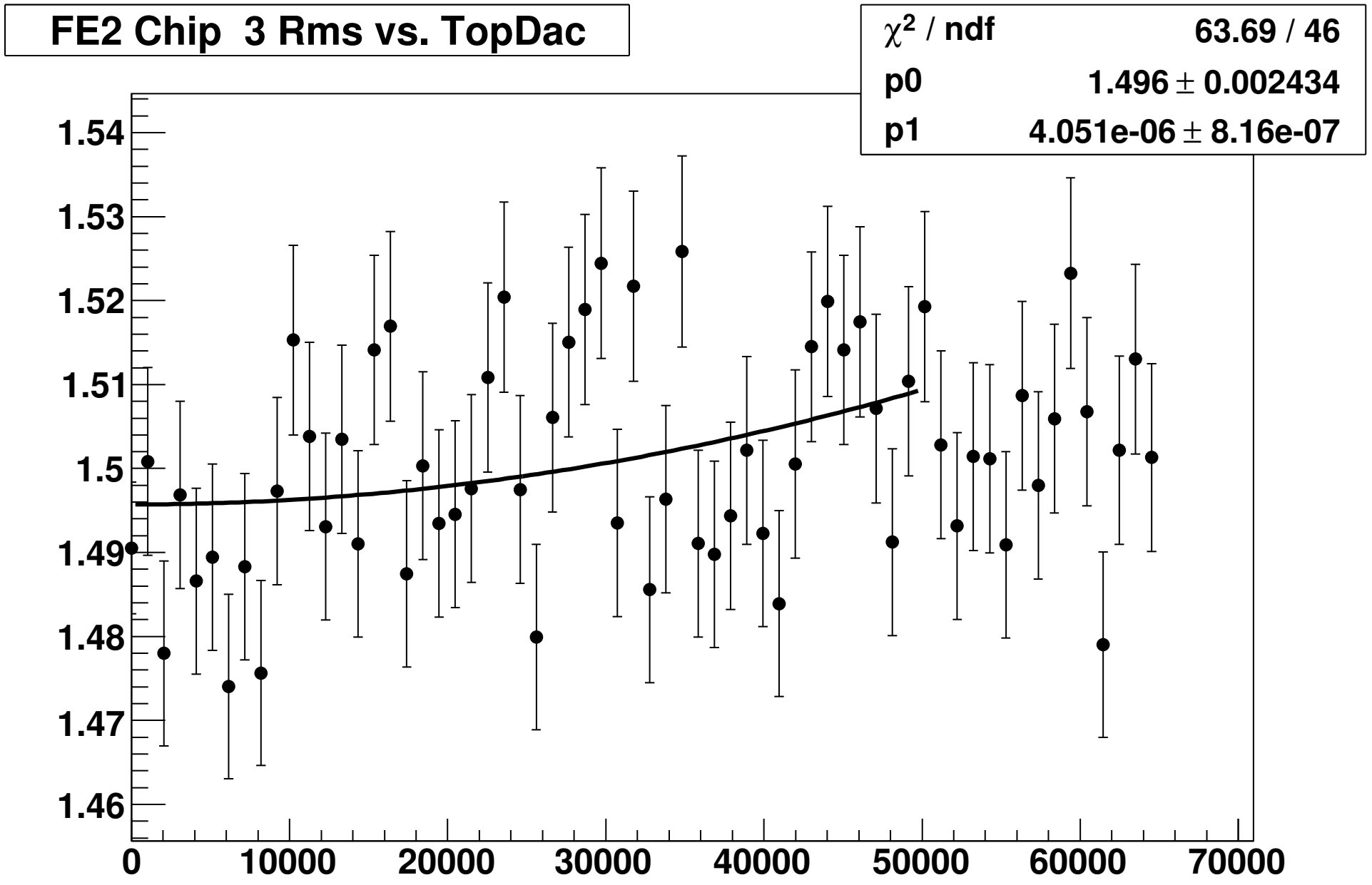

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 5221 / 46
p0 38.53 ± 0.00466
p1 2.709e-06 ± 1.621e-07
39
38.9
38.8
38.7
38.6
38.5
38.4
38.3
38.2
0
10000
20000
30000
40000
50000
60000
70000

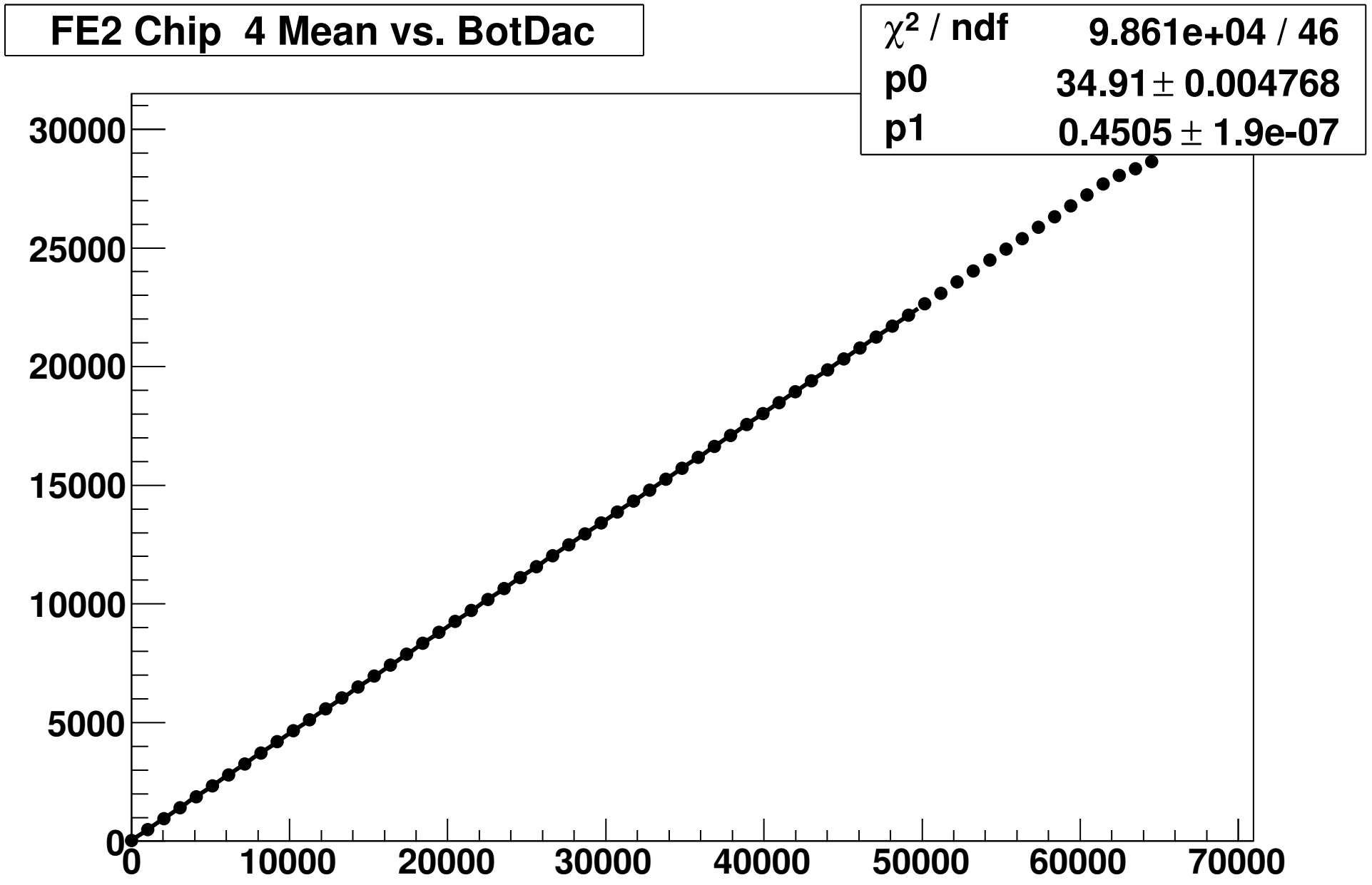

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 72.39 / 46
p0 1.51 ± 0.002458
p1 4.153e-06 ± 8.116e-07
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

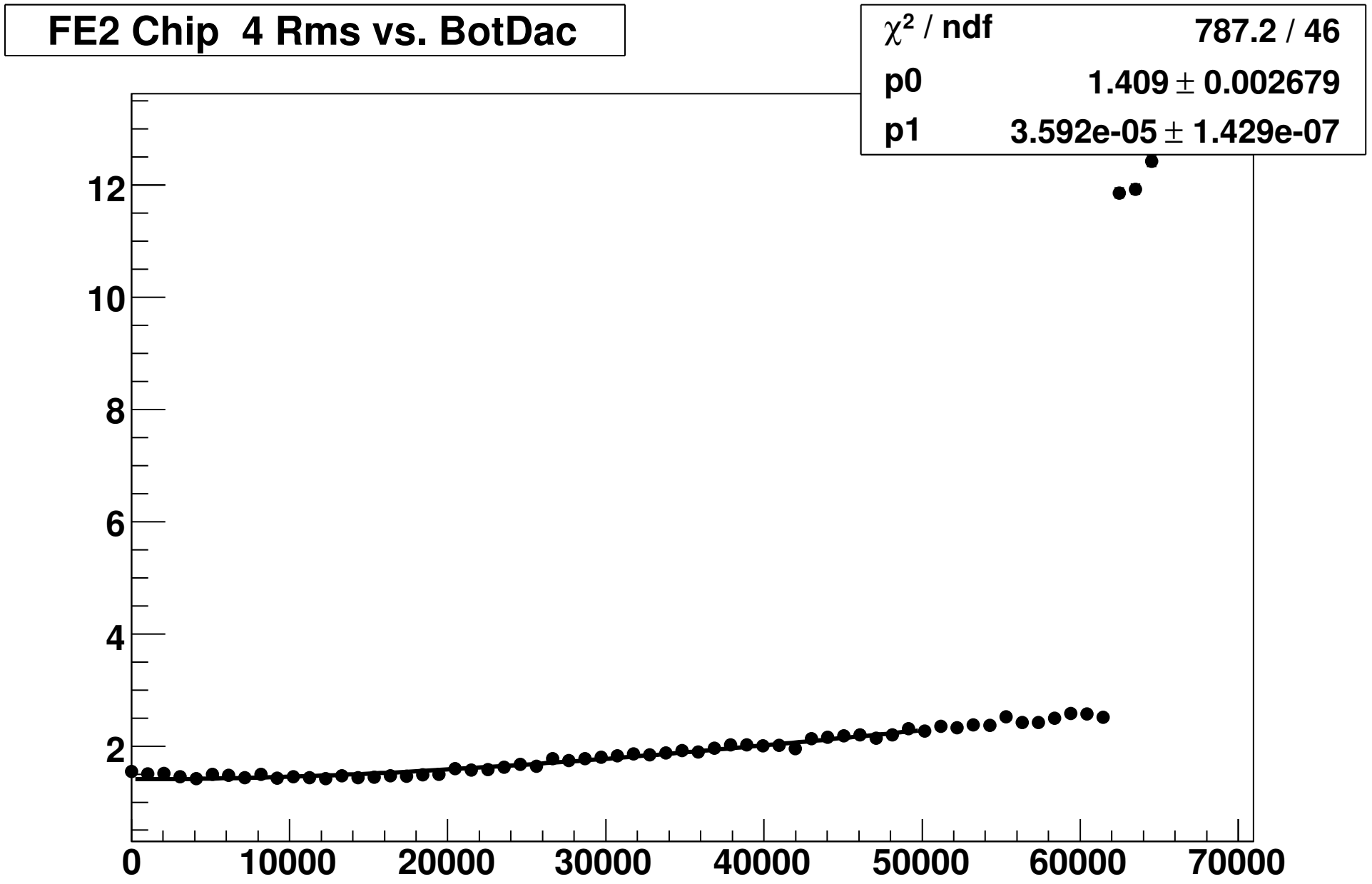

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2.189e+05 / 46
p0 37.87 ± 0.004753
p1 0.45 ± 1.891e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

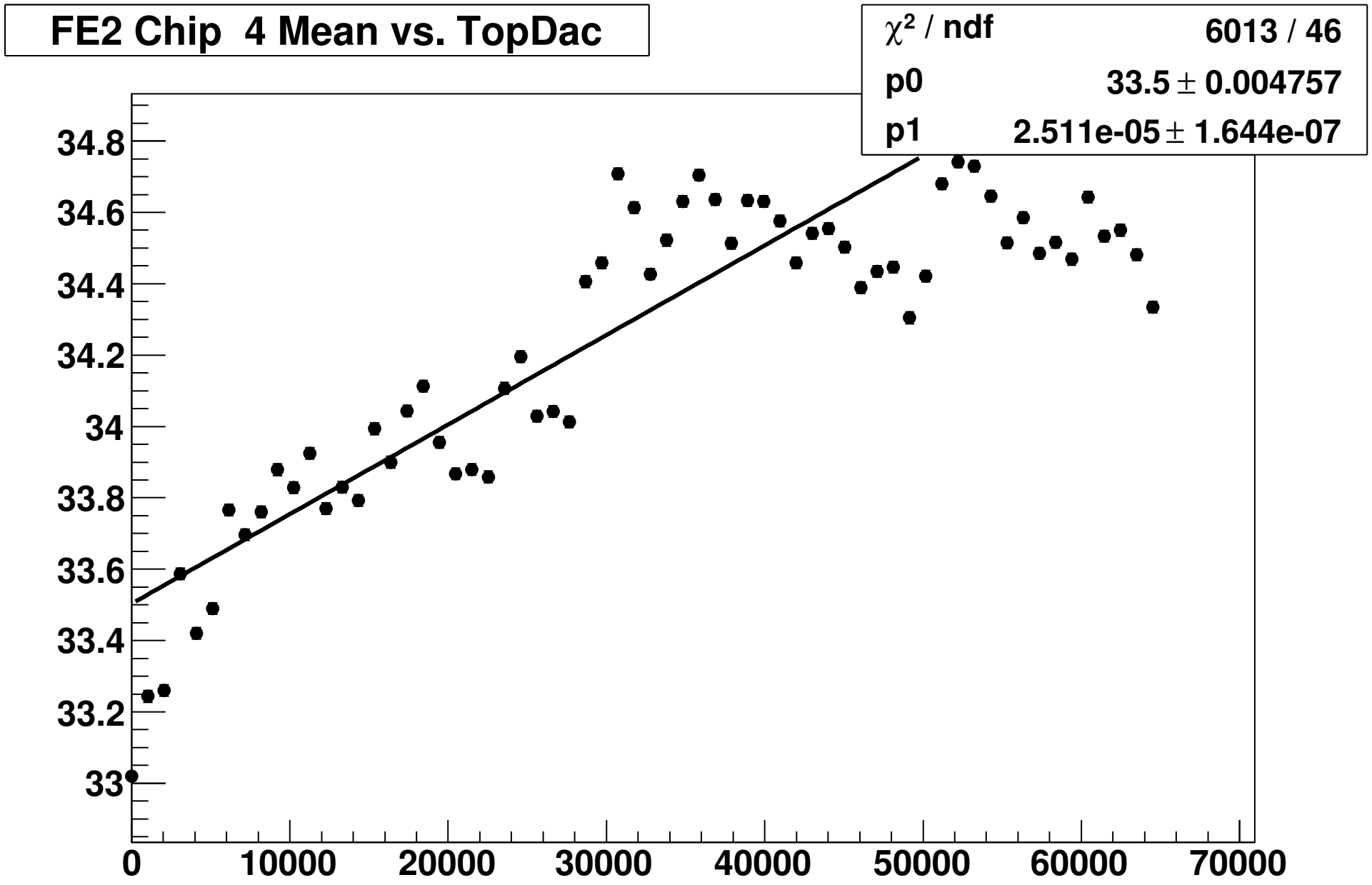

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 921.2 / 46
p0 1.398 ± 0.002658
p1 3.539e-05 ± 1.423e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

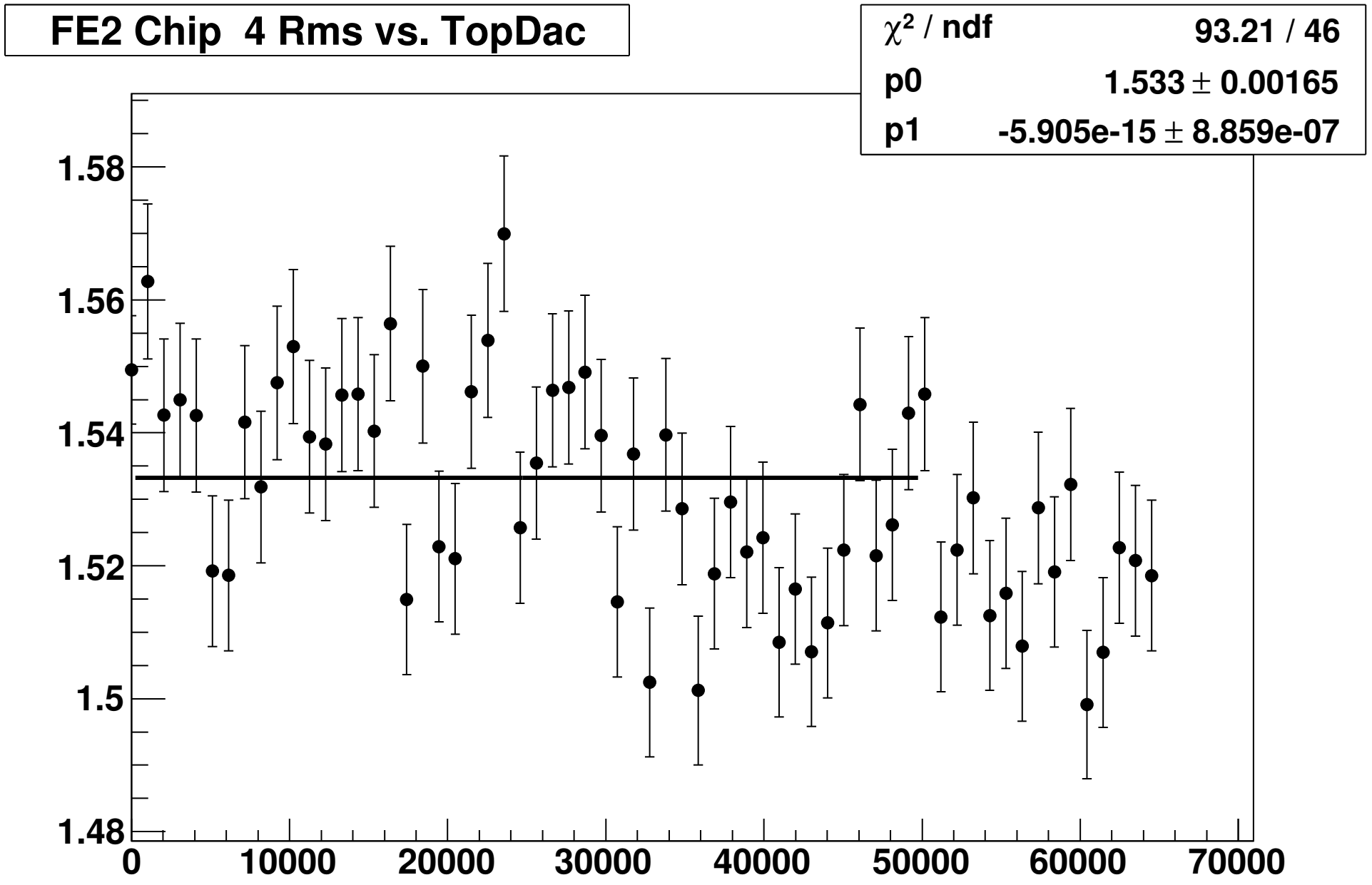

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 5597 / 46
p0 35.54 ± 0.00462
p1 1.402e-06 ± 1.607e-07
36
35.9
35.8
35.7
35.6
35.5
35.4
35.3
35.2
35.1
0
10000
20000
30000
40000
50000
60000
70000

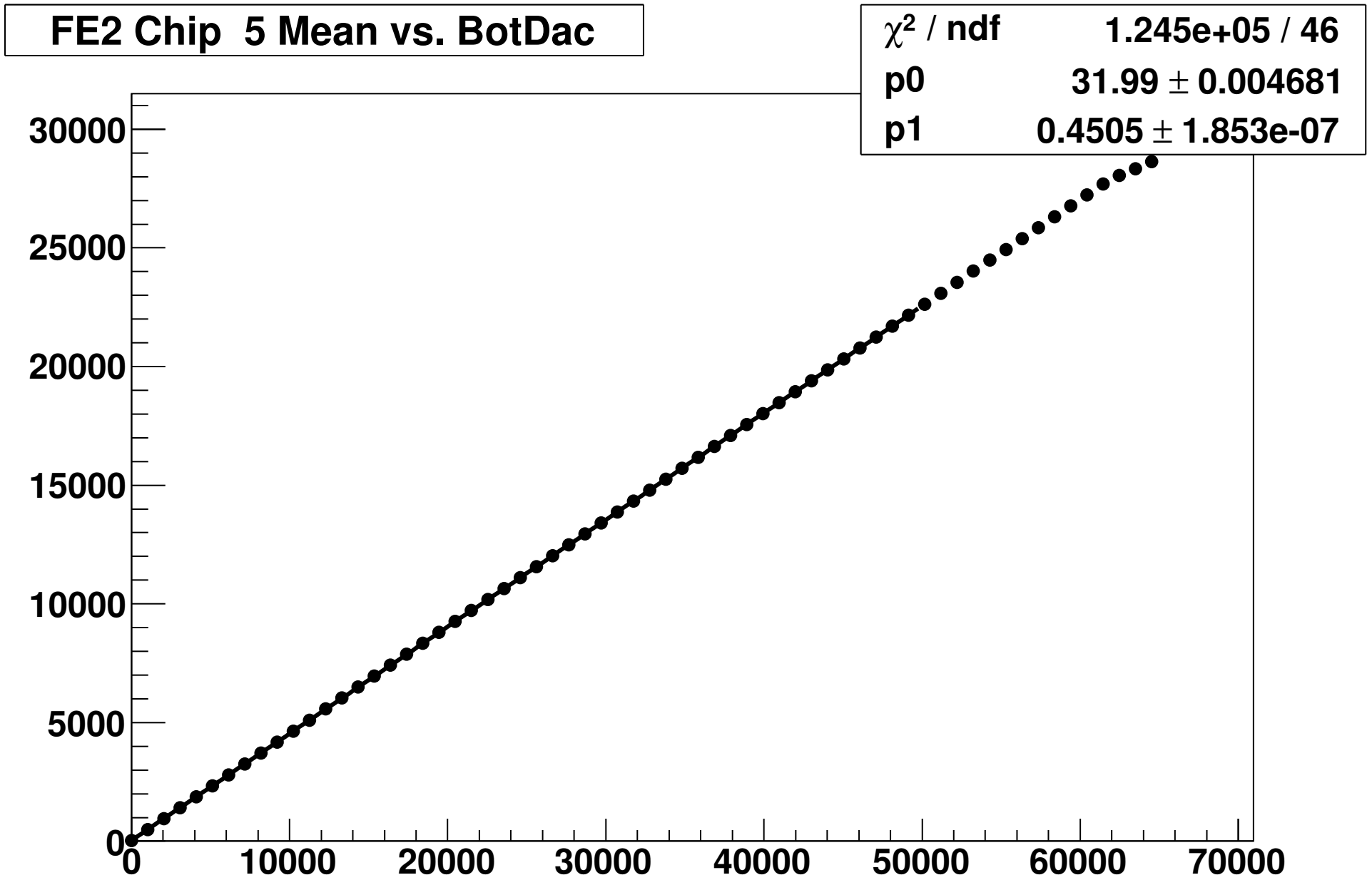

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 63.69 / 46
p0 1.496 ± 0.002434
p1 4.051e-06 ± 8.16e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

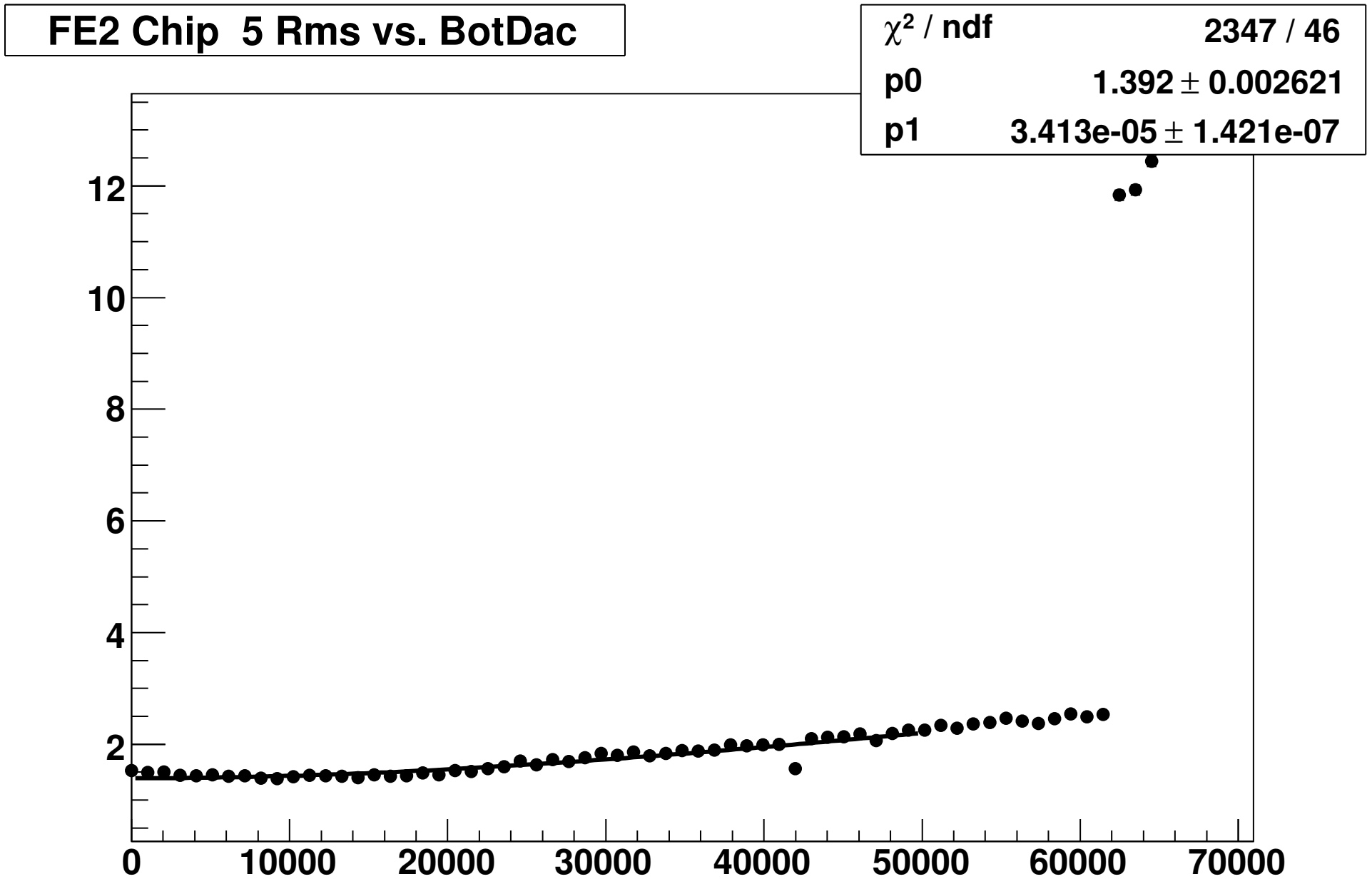

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 9.861e+04 / 46
p0 34.91 ± 0.004768
p1 0.4505 ± 1.9e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

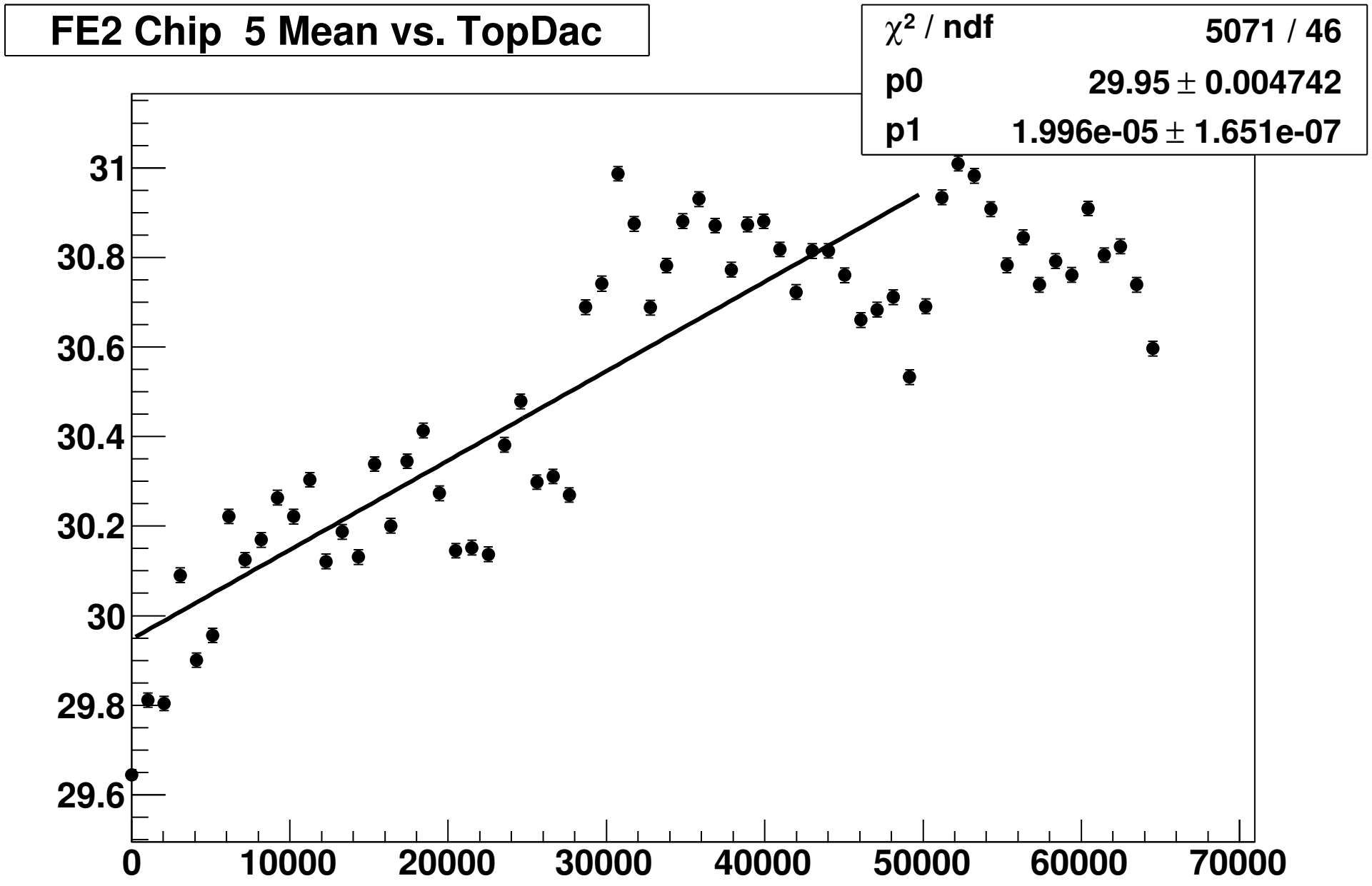

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 787.2 / 46
p0 1.409 ± 0.002679
p1 3.592e-05 ± 1.429e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

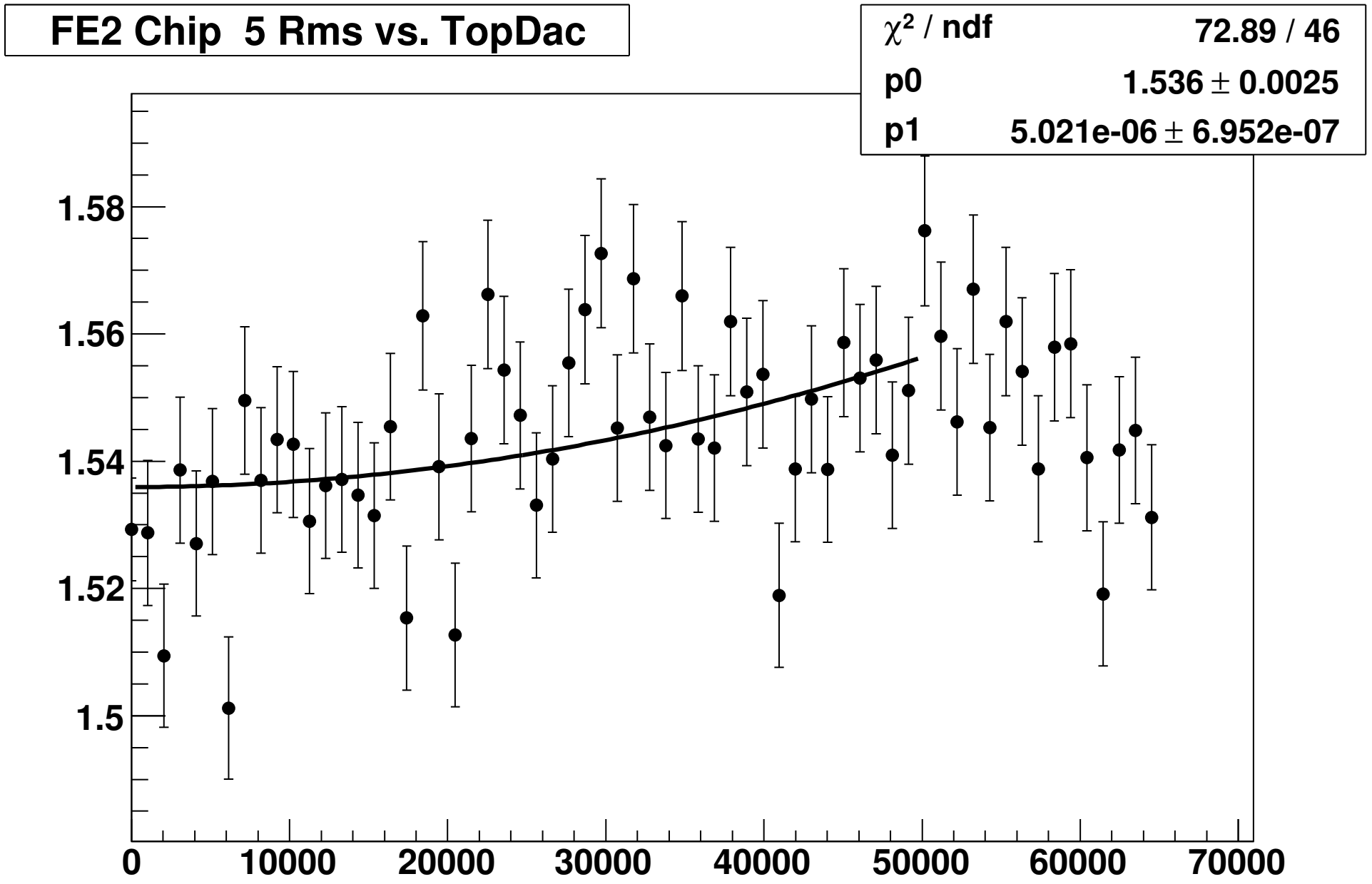

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 6013 / 46
p0 33.5 ± 0.004757
p1 2.511e-05 ± 1.644e-07
34.8
34.6
34.4
34.2
34
33.8
33.6
33.4
33.2
33
0
10000
20000
30000
40000
50000
60000
70000

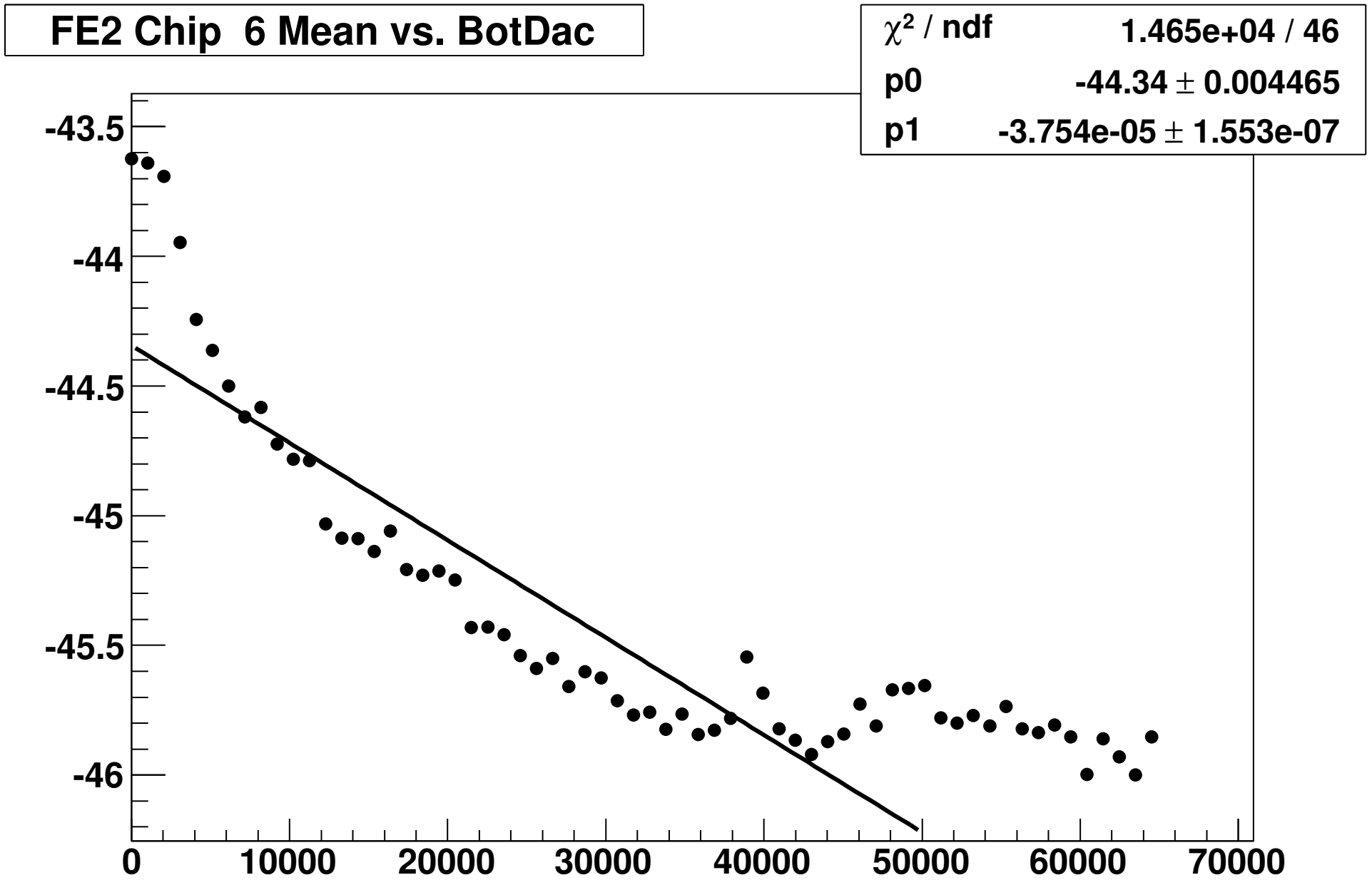

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 93.21 / 46
p0 1.533 ± 0.00165
p1 -5.905e-15 ± 8.859e-07
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

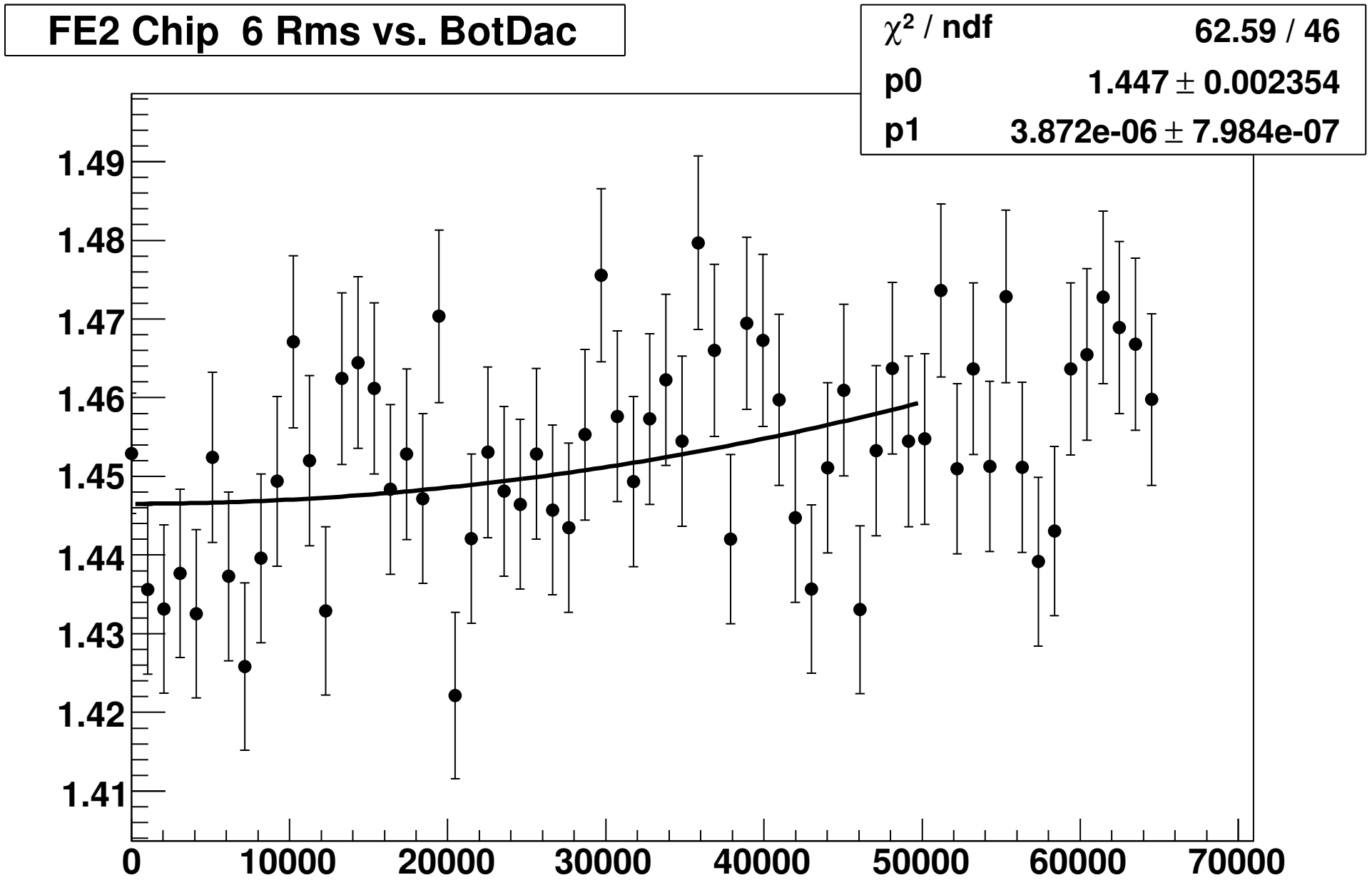

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.245e+05 / 46
p0 31.99 ± 0.004681
p1 0.4505 ± 1.853e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

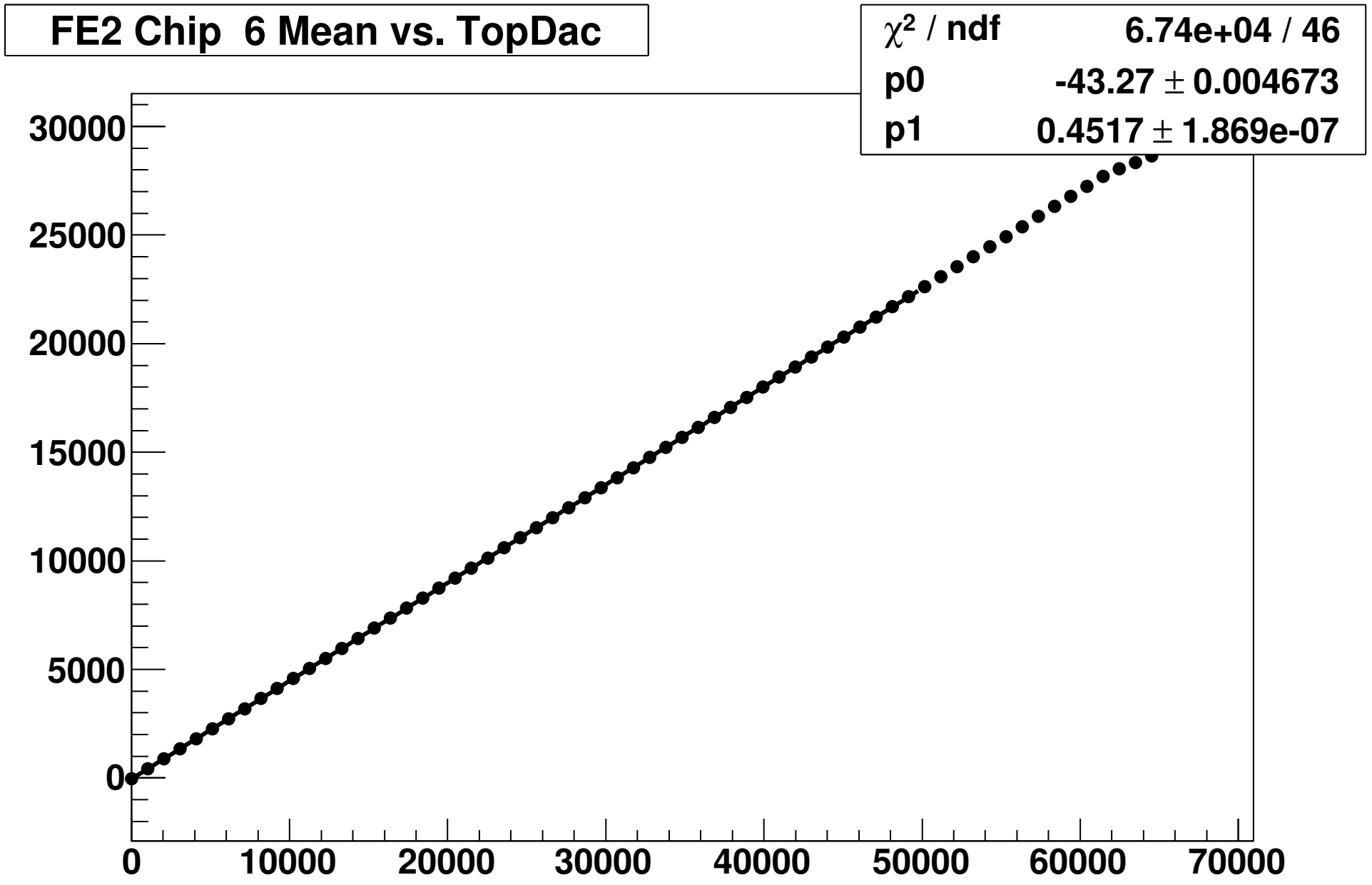

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 2347 / 46
p0 1.392 ± 0.002621
p1 3.413e-05 ± 1.421e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

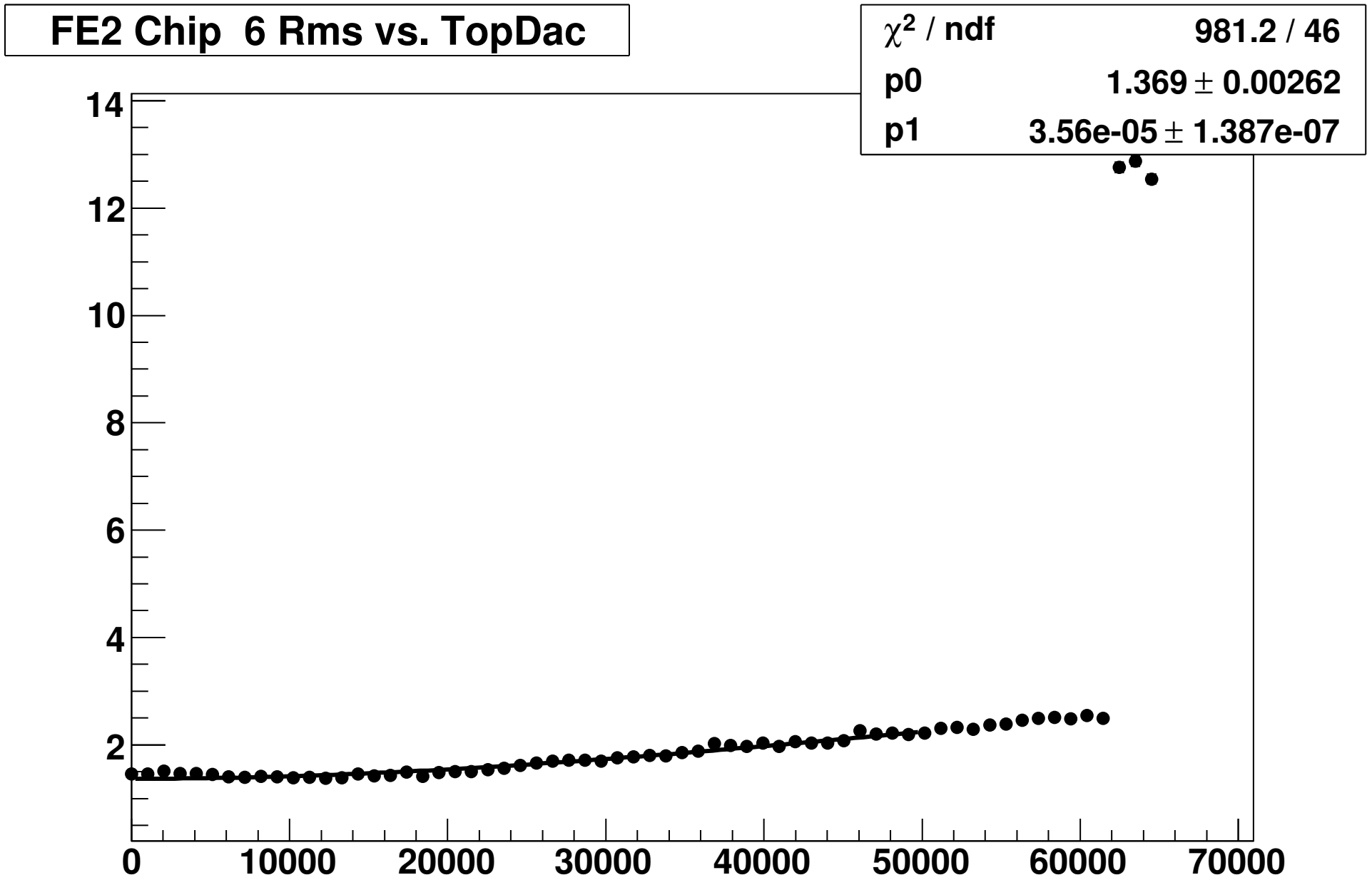

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 5071 / 46
p0 29.95 ± 0.004742
p1 1.996e-05 ± 1.651e-07
31
30.8
30.6
30.4
30.2
30
29.8
29.6
0
10000
20000
30000
40000
50000
60000
70000

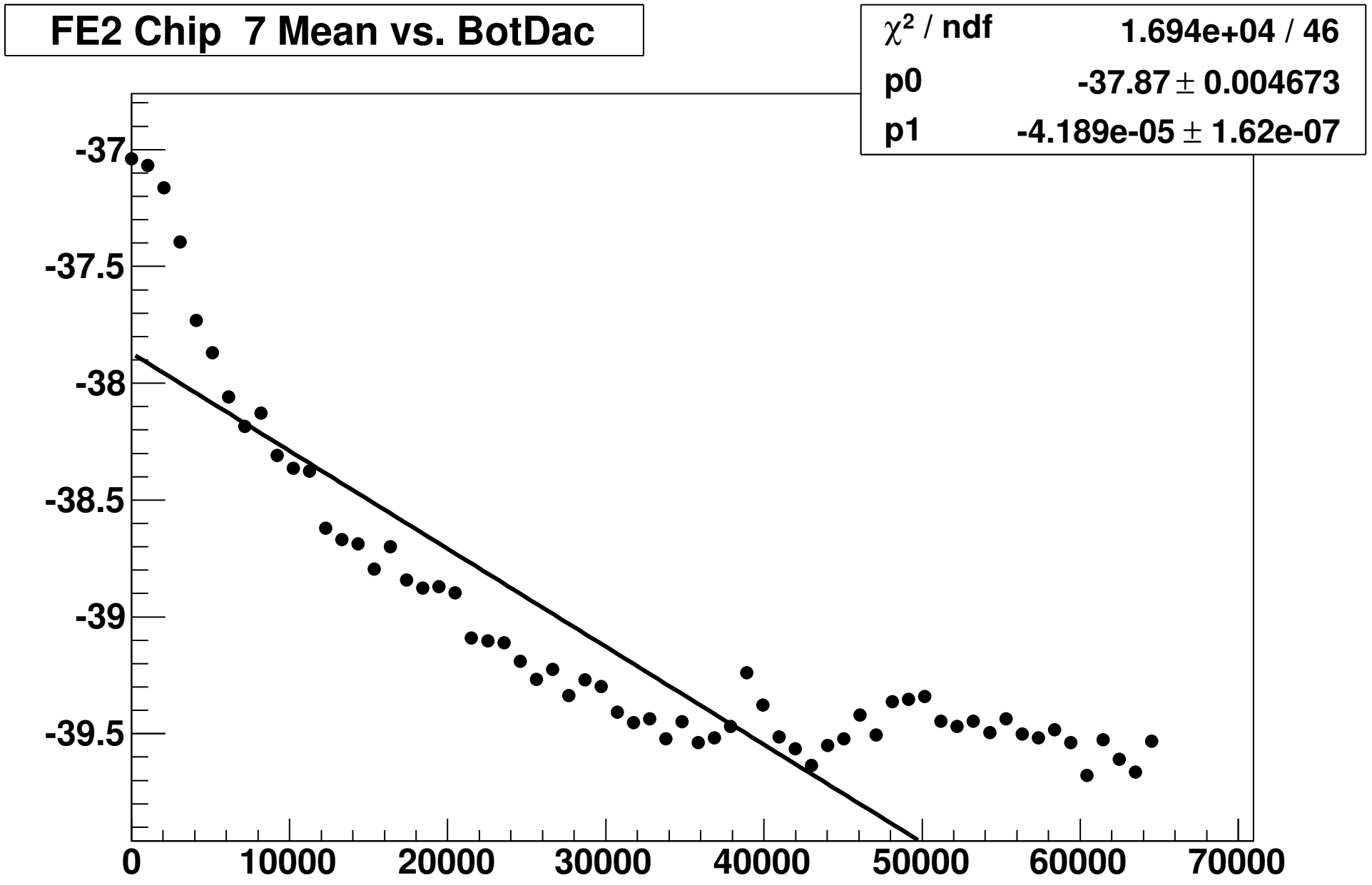

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 72.89 / 46
p0 1.536 ± 0.0025
p1 5.021e-06 ± 6.952e-07
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

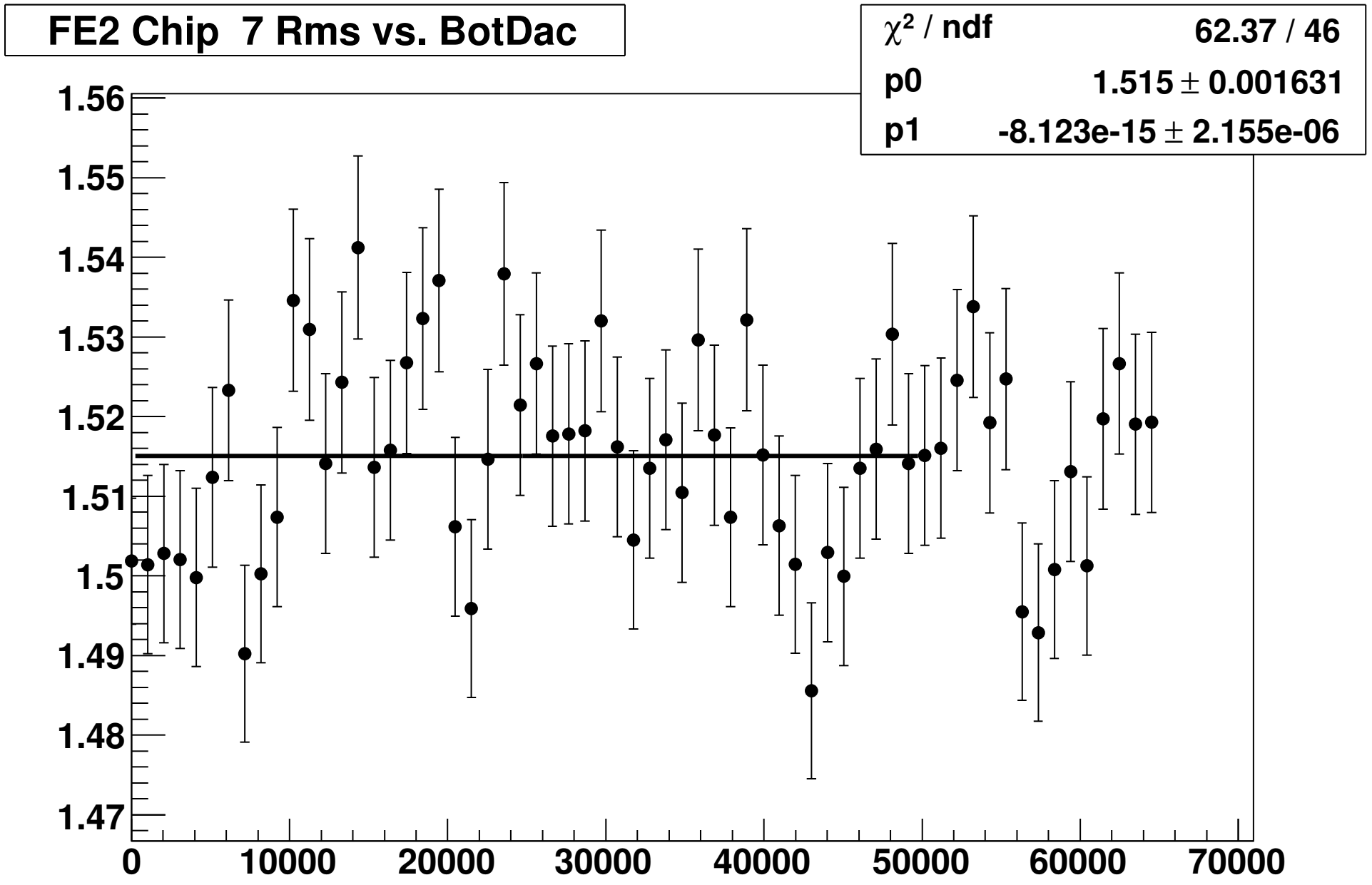

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 1.465e+04 / 46
p0 -44.34 ± 0.004465
p1 -3.754e-05 ± 1.553e-07
-43.5
-44
-44.5
-45
-45.5
-46
0
10000
20000
30000
40000
50000
60000
70000

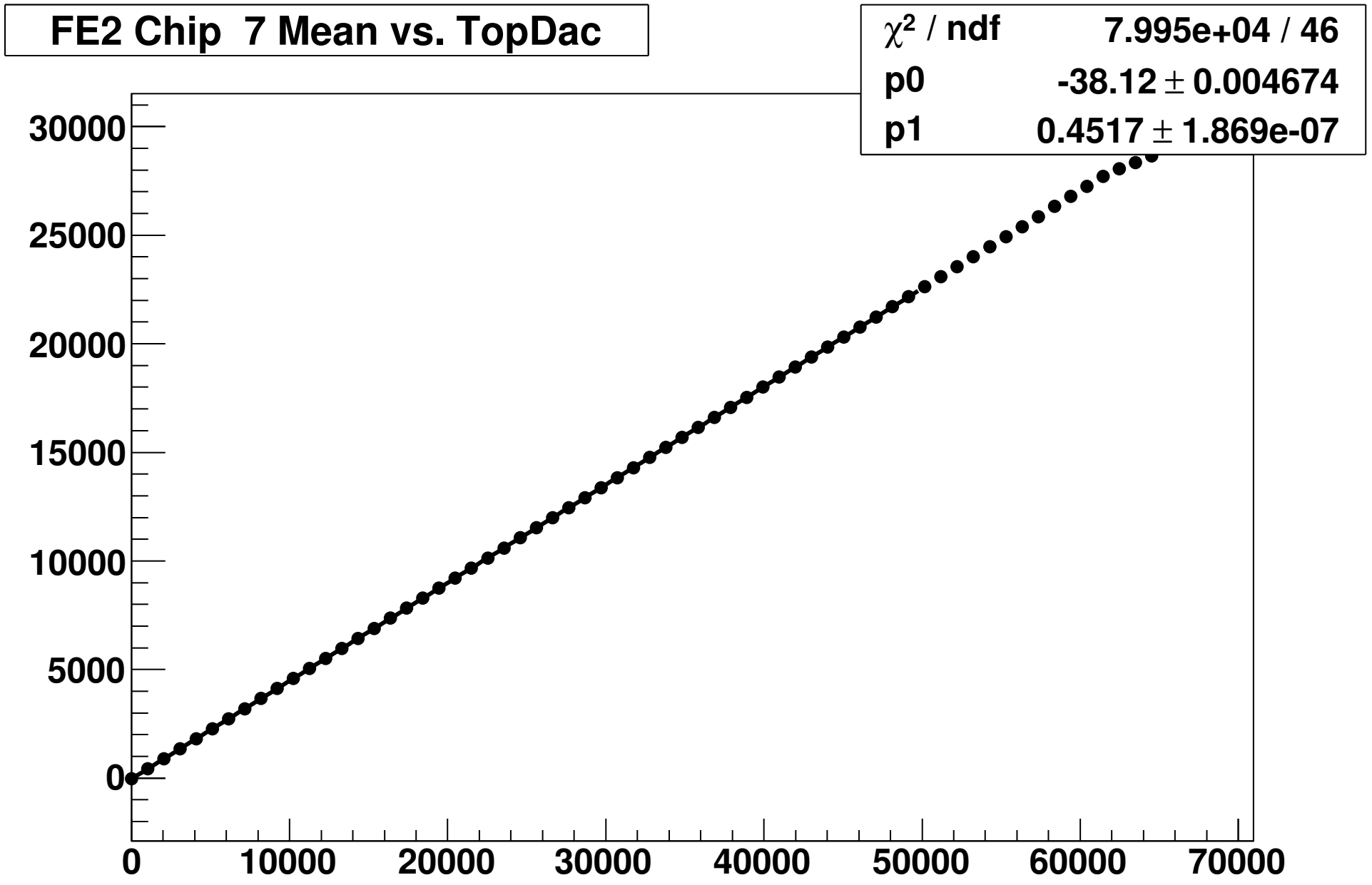

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 62.59 / 46
p0 1.447 ± 0.002354
p1 3.872e-06 ± 7.984e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

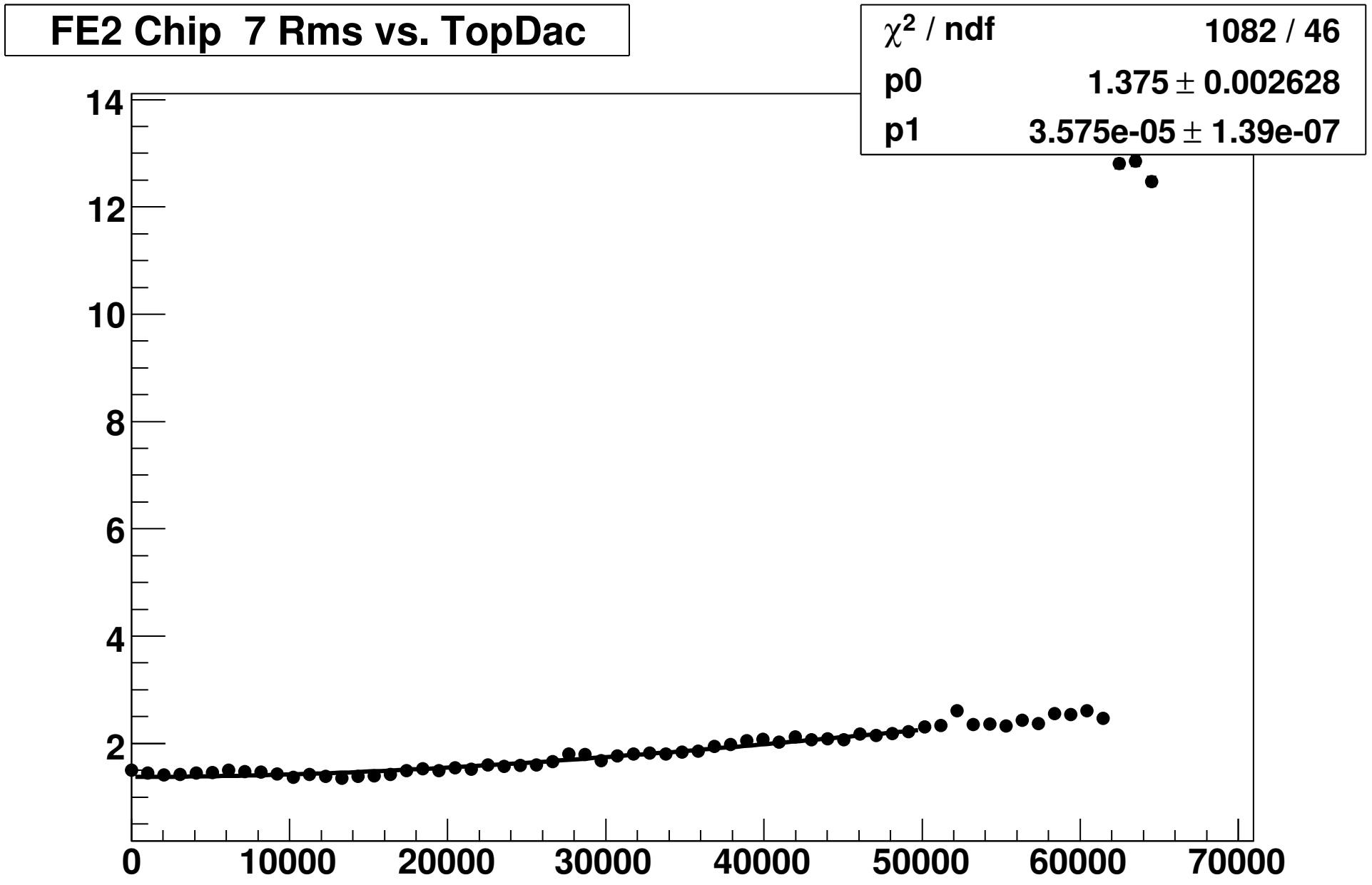

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 6.74e+04 / 46
p0 -43.27 ± 0.004673
p1 0.4517 ± 1.869e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

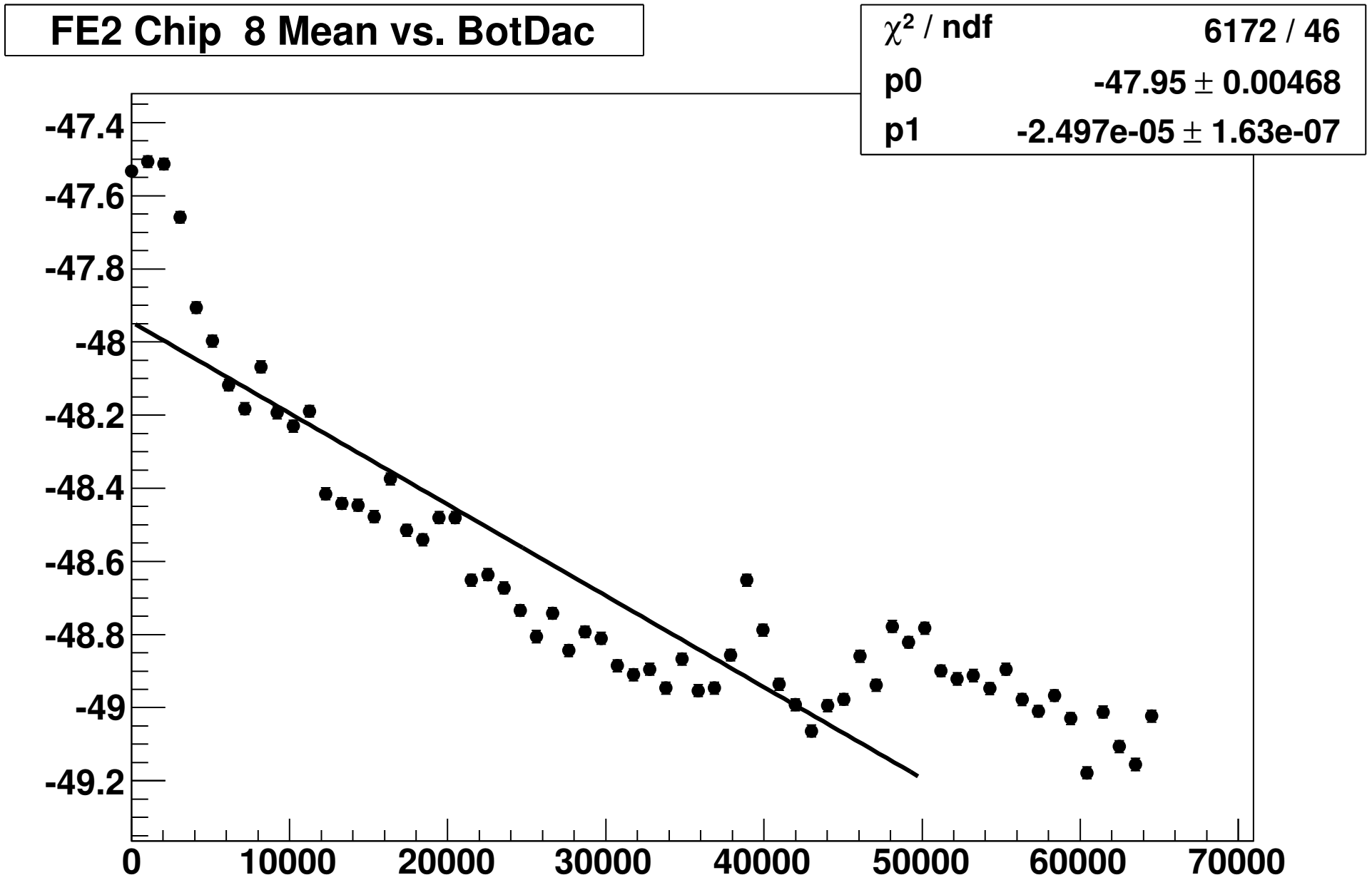

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 981.2 / 46
p0 1.369 ± 0.00262
p1 3.56e-05 ± 1.387e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

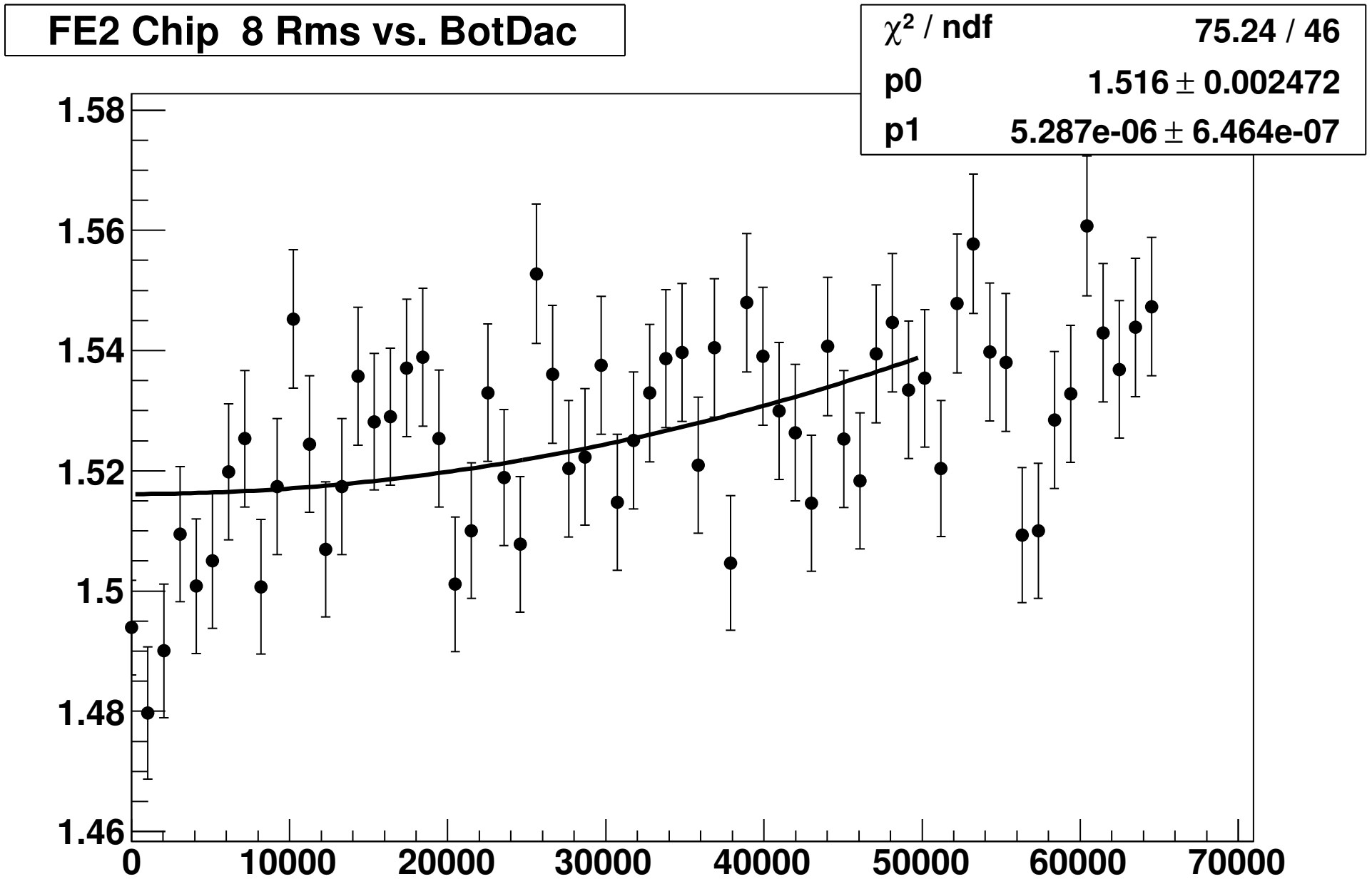

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 1.694e+04 / 46
p0 -37.87 ± 0.004673
p1 -4.189e-05 ± 1.62e-07
-37
-37.5
-38
-38.5
-39
-39.5
0
10000
20000
30000
40000
50000
60000
70000

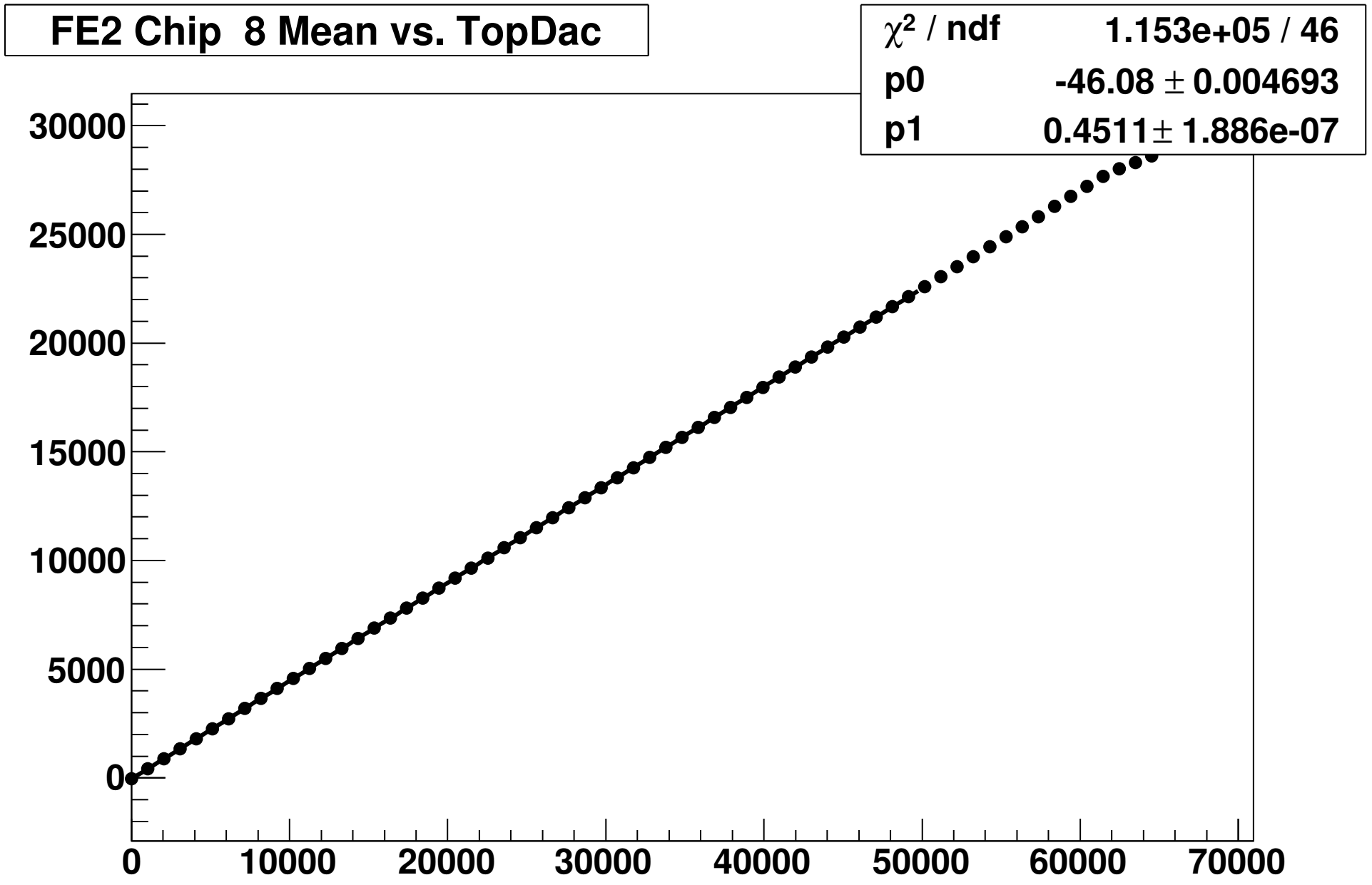

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 62.37 / 46
p0 1.515 ± 0.001631
p1 -8.123e-15 ± 2.155e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

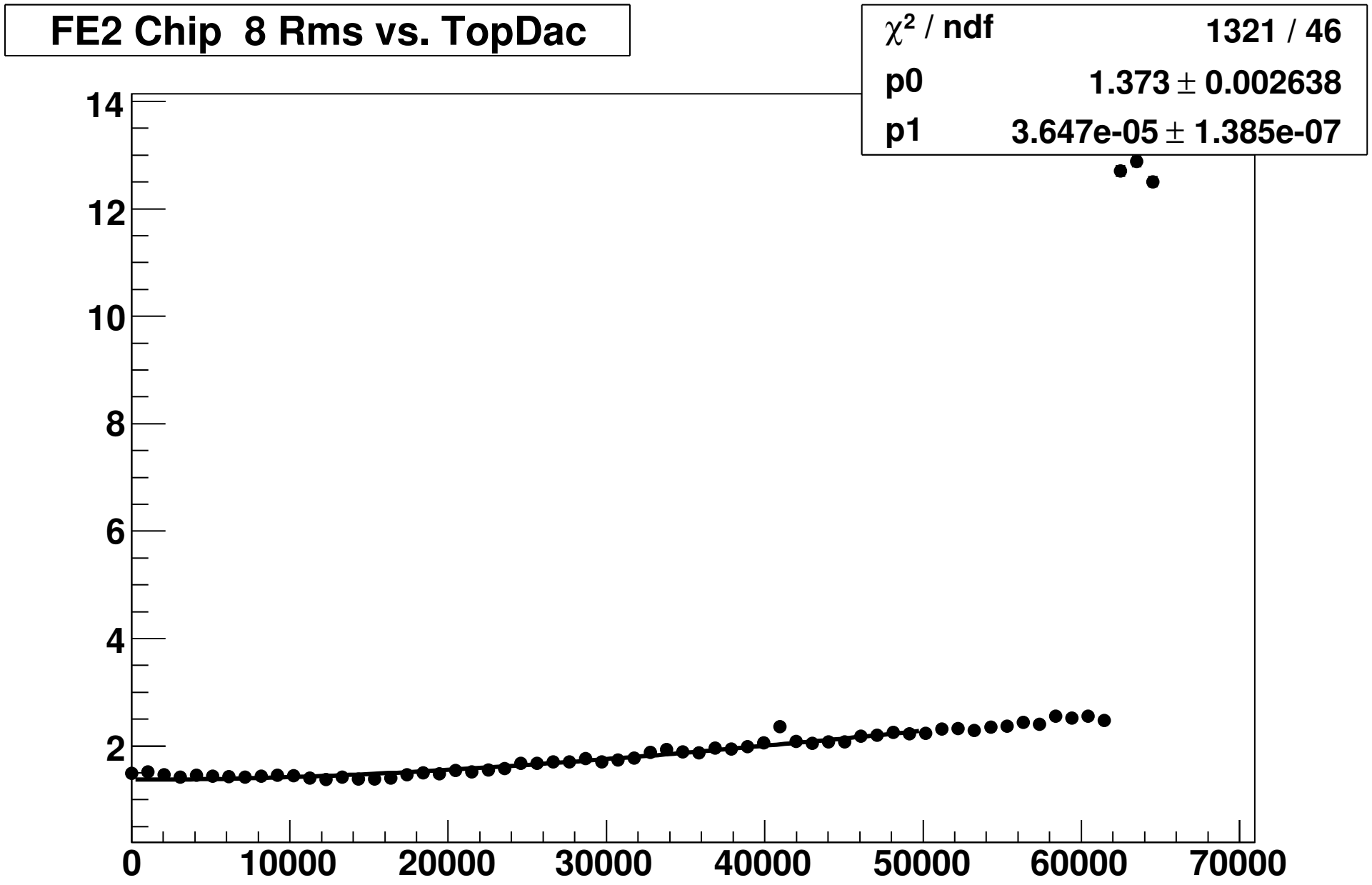

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 7.995e+04 / 46
p0 -38.12 ± 0.004674
p1 0.4517 ± 1.869e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

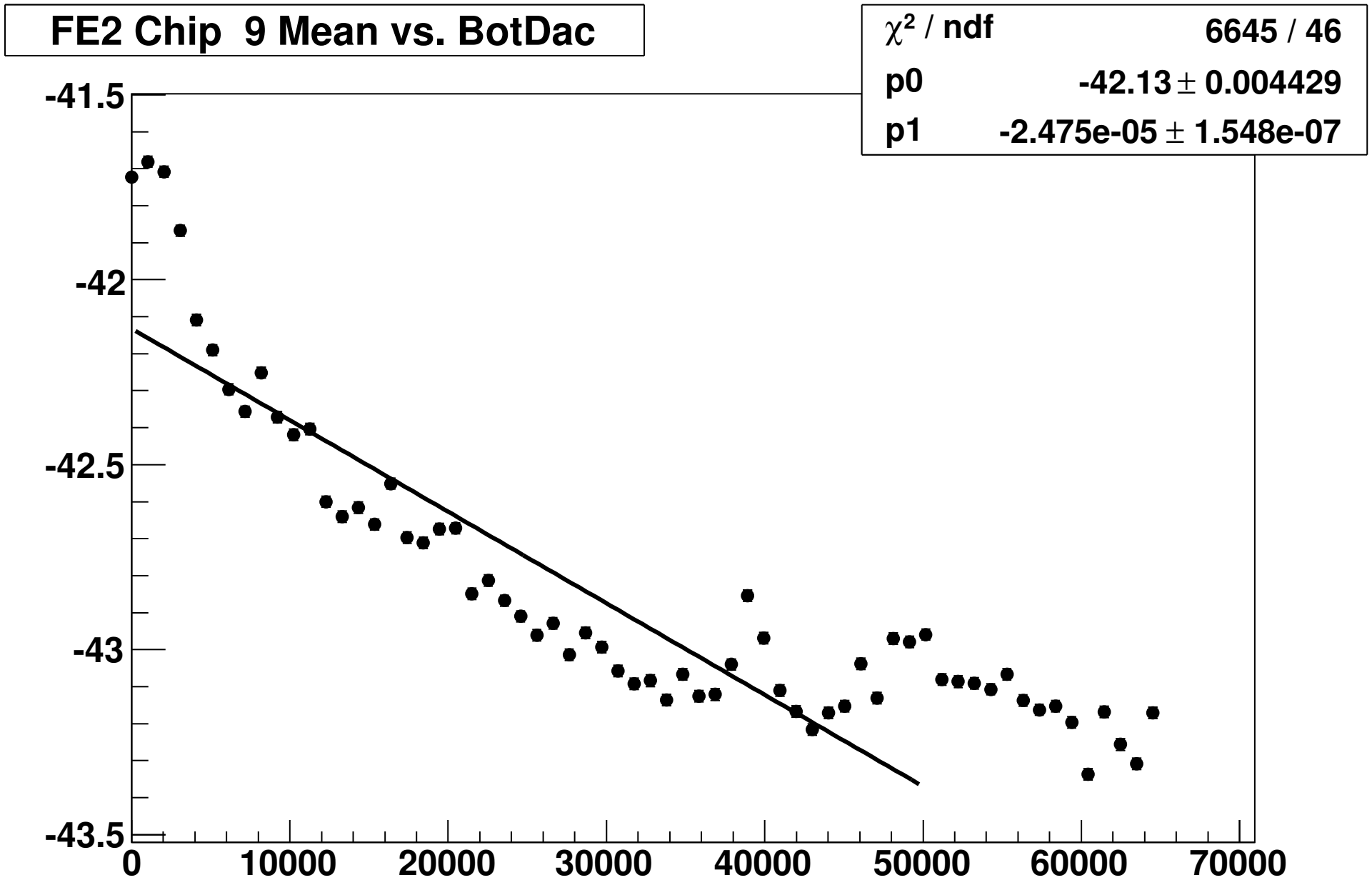

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1082 / 46
p0 1.375 ± 0.002628
p1 3.575e-05 ± 1.39e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 6172 / 46
p0 -47.95 ± 0.00468
p1 -2.497e-05 ± 1.63e-07
-47.4
-47.6
-47.8
-48
-48.2
-48.4
-48.6
-48.8
-49
-49.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 75.24 / 46
p0 1.516 ± 0.002472
p1 5.287e-06 ± 6.464e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.153e+05 / 46
p0 -46.08 ± 0.004693
p1 0.4511 ± 1.886e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 1321 / 46
p0 1.373 ± 0.002638
p1 3.647e-05 ± 1.385e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 6645 / 46
p0 -42.13 ± 0.004429
p1 -2.475e-05 ± 1.548e-07
-41.5
-42
-42.5
-43
-43.5
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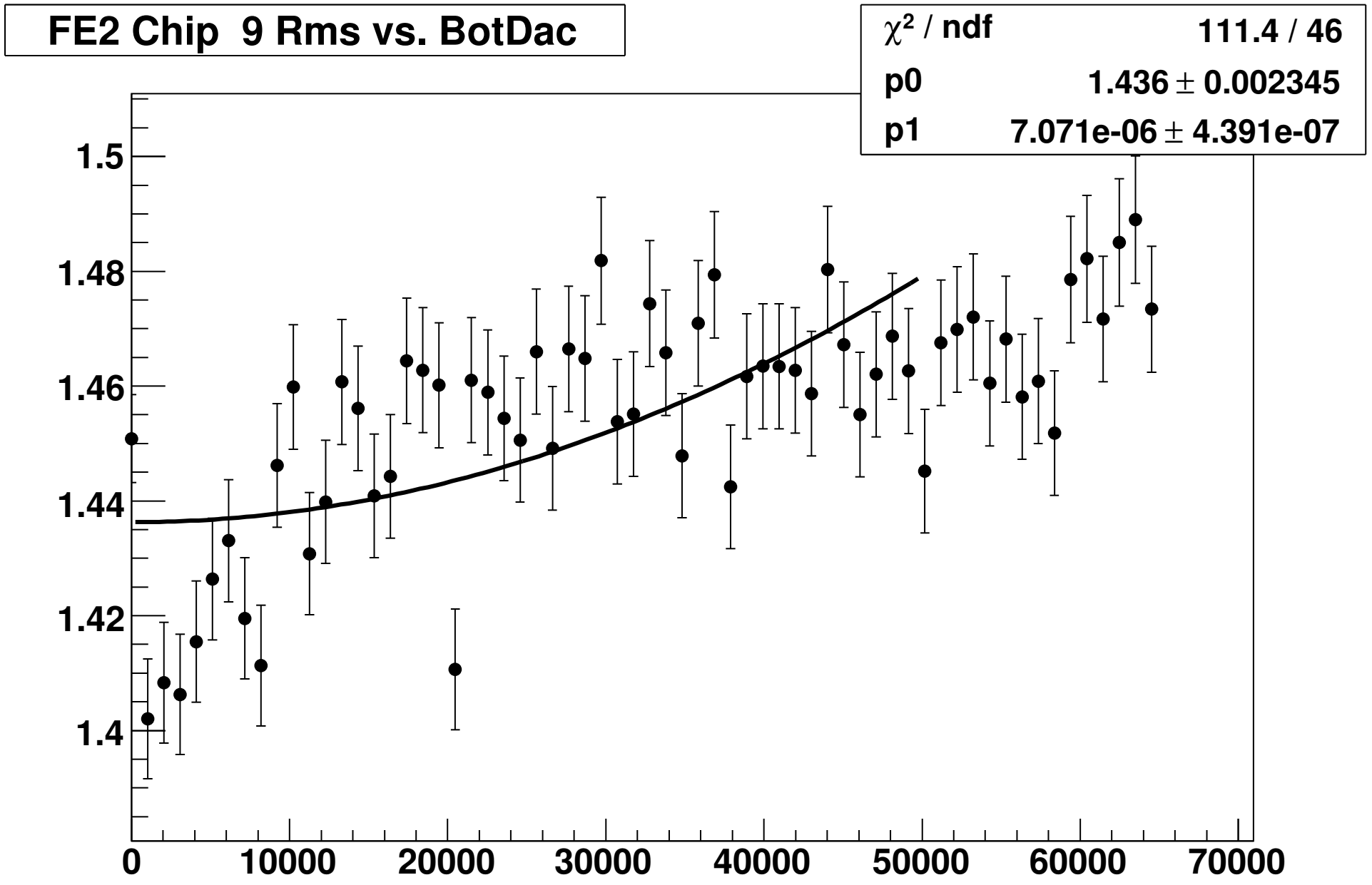
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 111.4 / 46
p0 1.436 ± 0.002345
p1 7.071e-06 ± 4.391e-07
1.5
1.48
1.46
1.44
1.42
1.4
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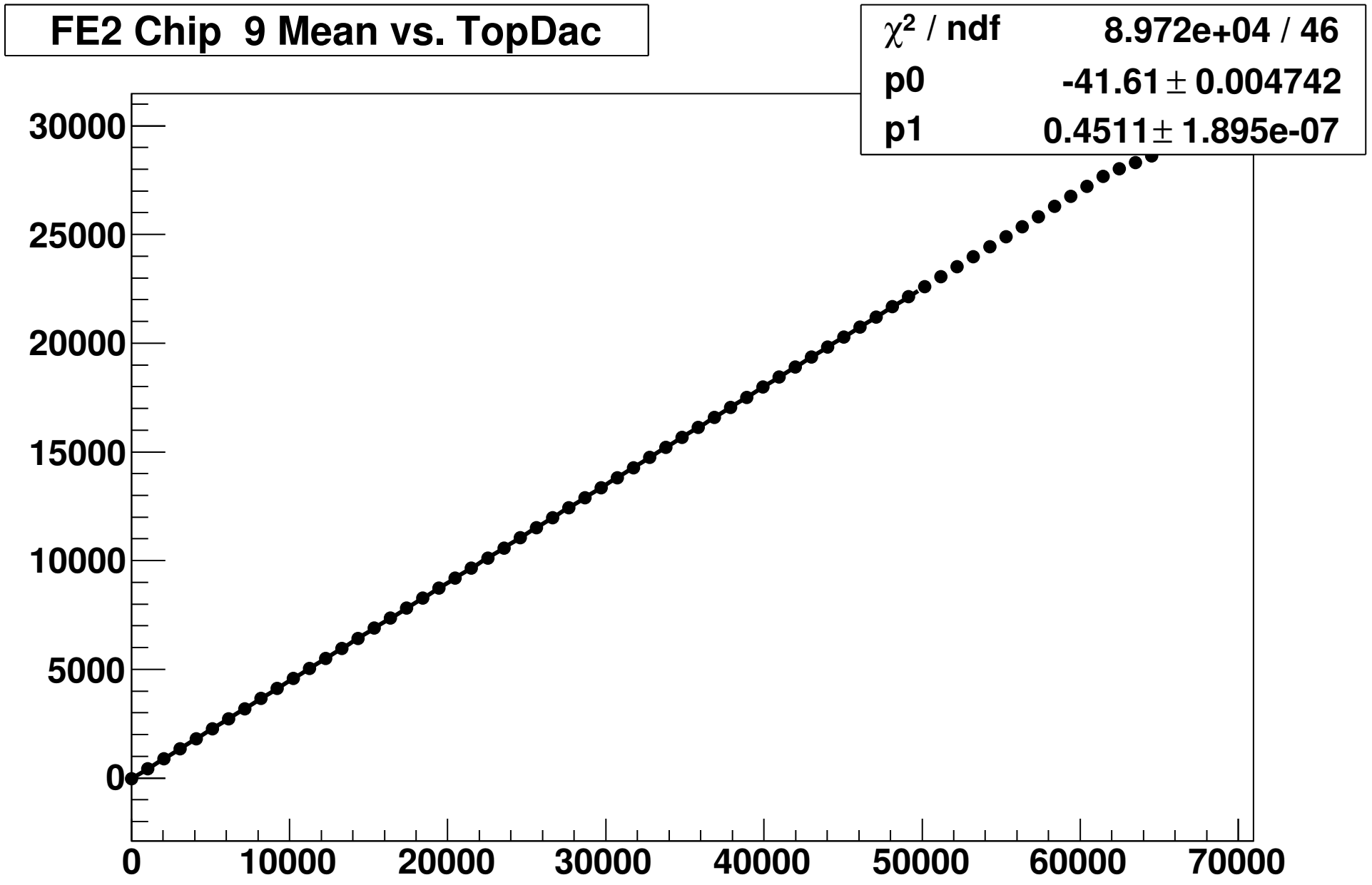
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 8.972e+04 / 46
p0 -41.61 ± 0.004742
p1 0.4511 ± 1.895e-07
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25000
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15000
10000
5000
0
0
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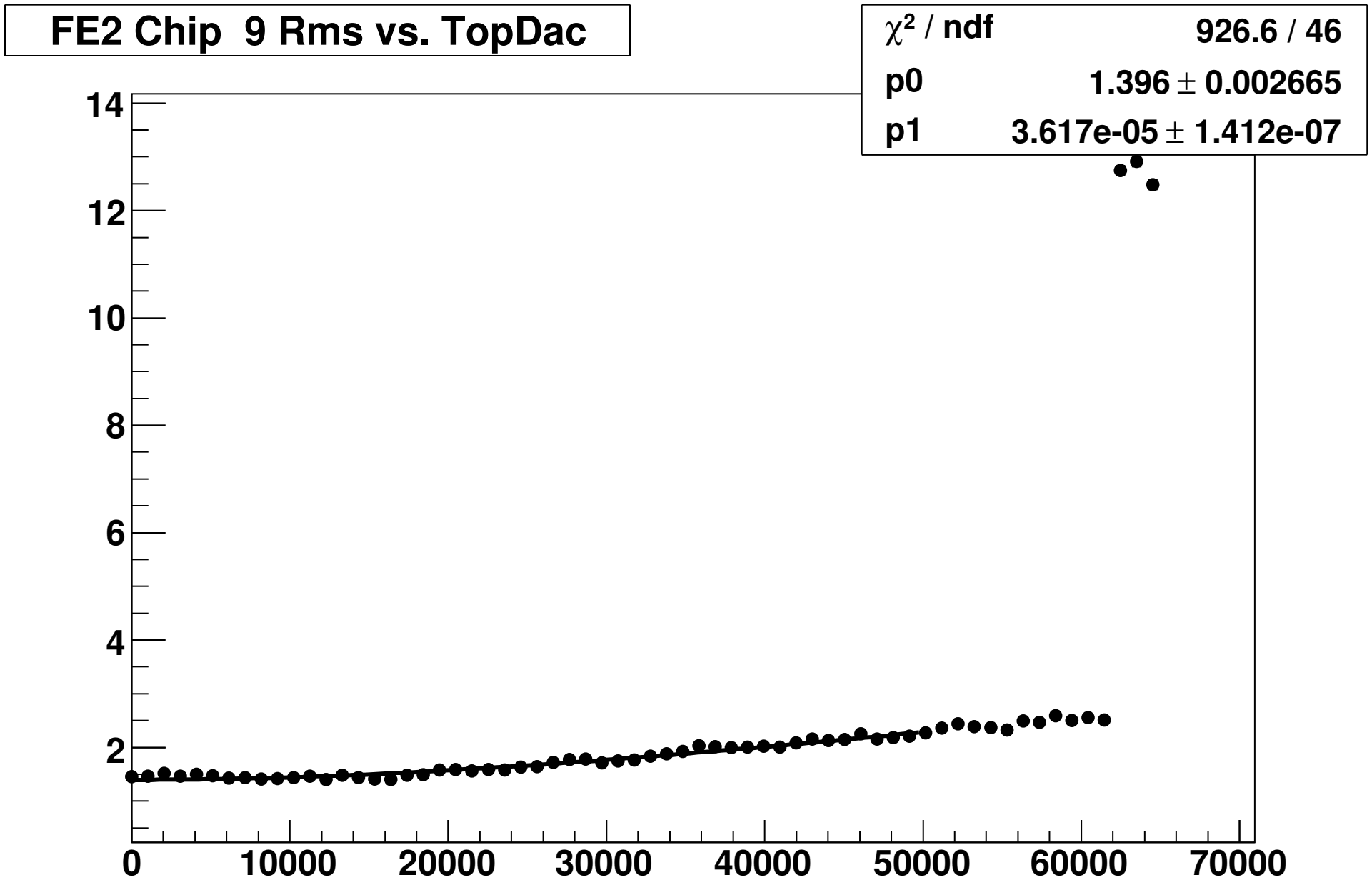
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 926.6 / 46
p0 1.396 ± 0.002665
p1 3.617e-05 ± 1.412e-07
14
12
10
8
6
4
2
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20000
30000
40000
50000
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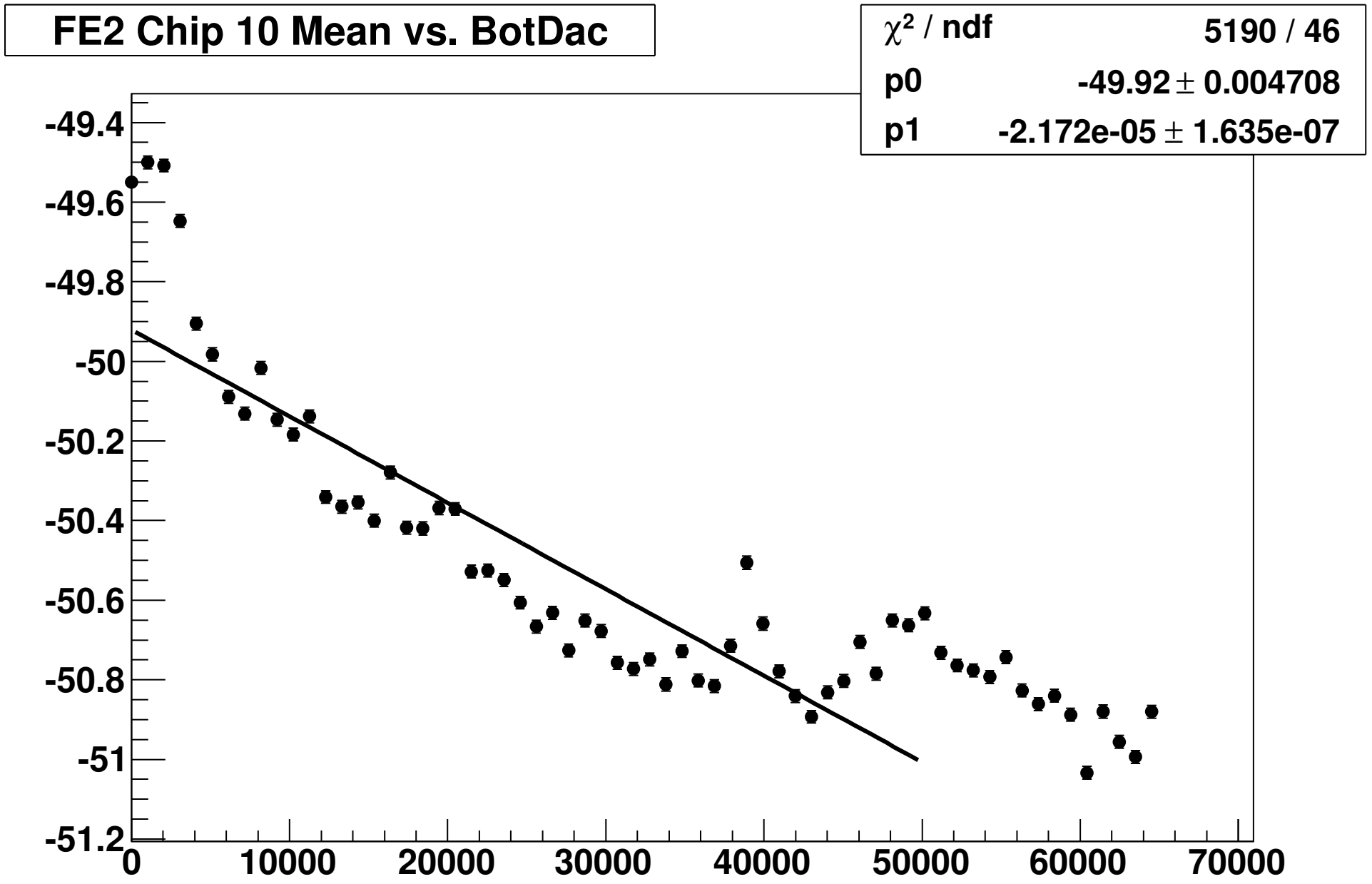
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 5190 / 46
p0 -49.92 ± 0.004708
p1 -2.172e-05 ± 1.635e-07
-49.4
-49.6
-49.8
-50
-50.2
-50.4
-50.6
-50.8
-51
-51.2
0
10000
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50000
60000
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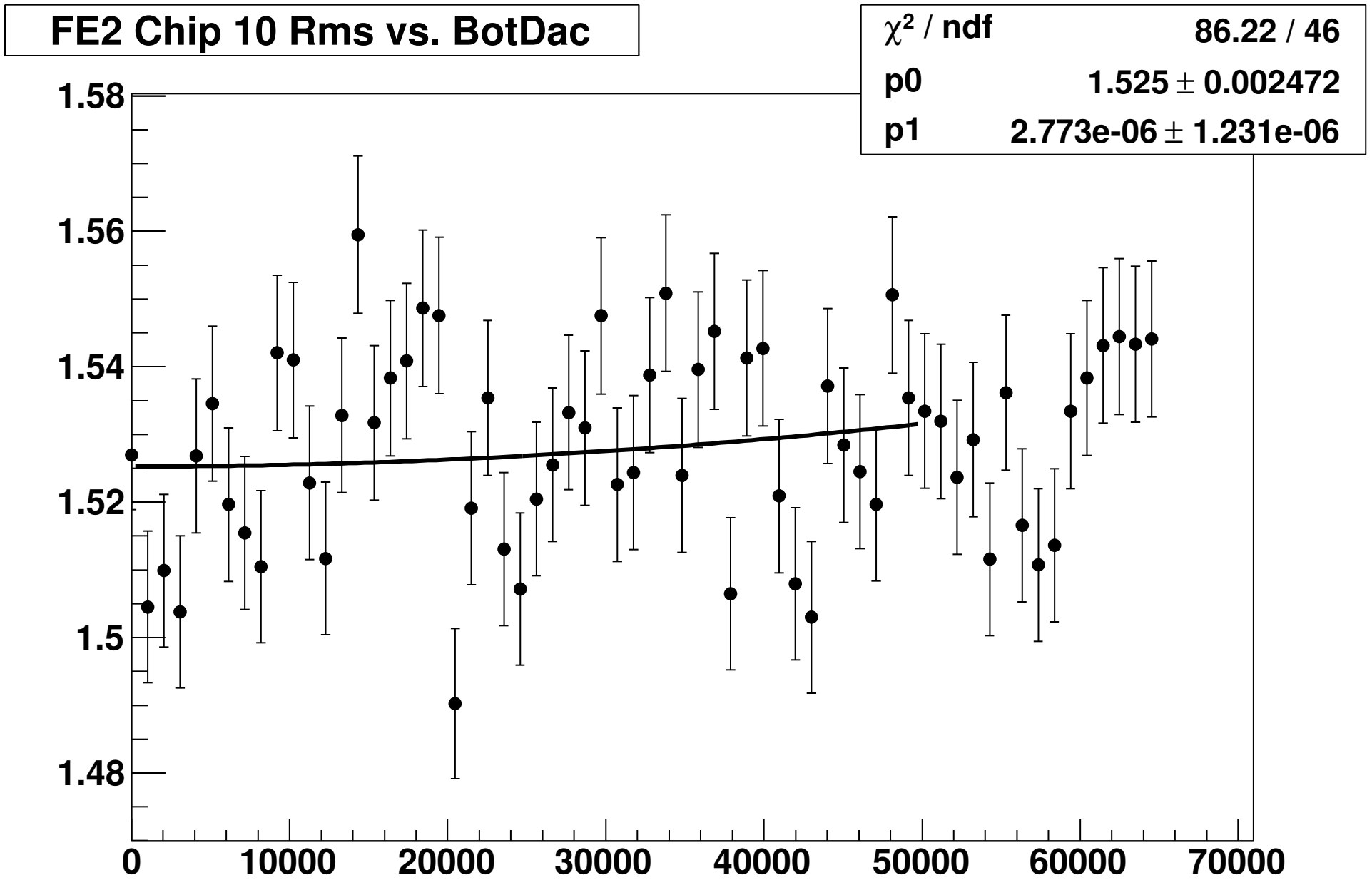
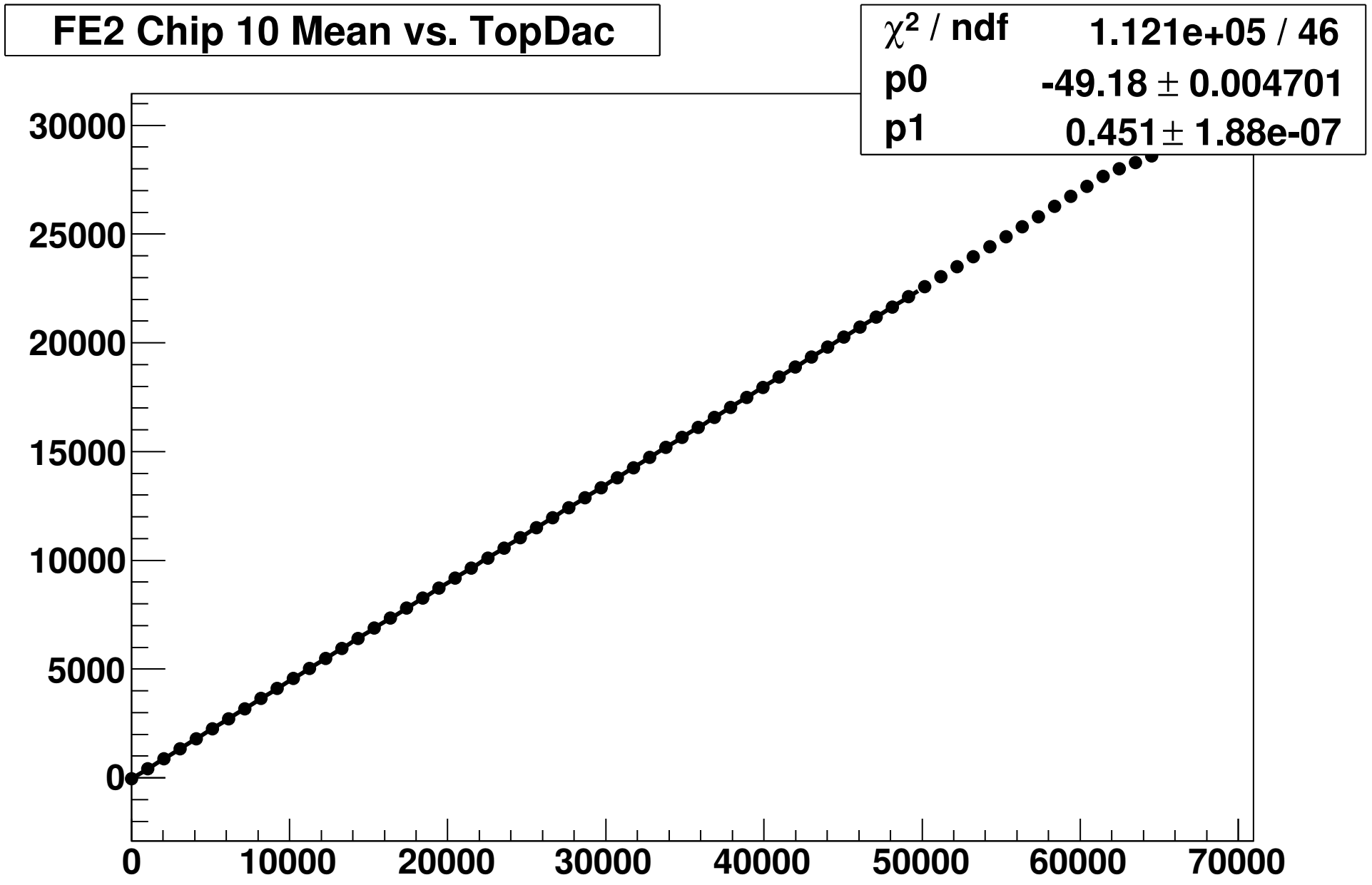

FE2 Chip 10 Rms vs. BotDac
χ² / ndf 86.22 / 46
p0 1.525 ± 0.002472
p1 2.773e-06 ± 1.231e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.121e+05 / 46
p0 -49.18 ± 0.004701
p1 0.451 ± 1.88e-07
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15000
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5000
0
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20000
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50000
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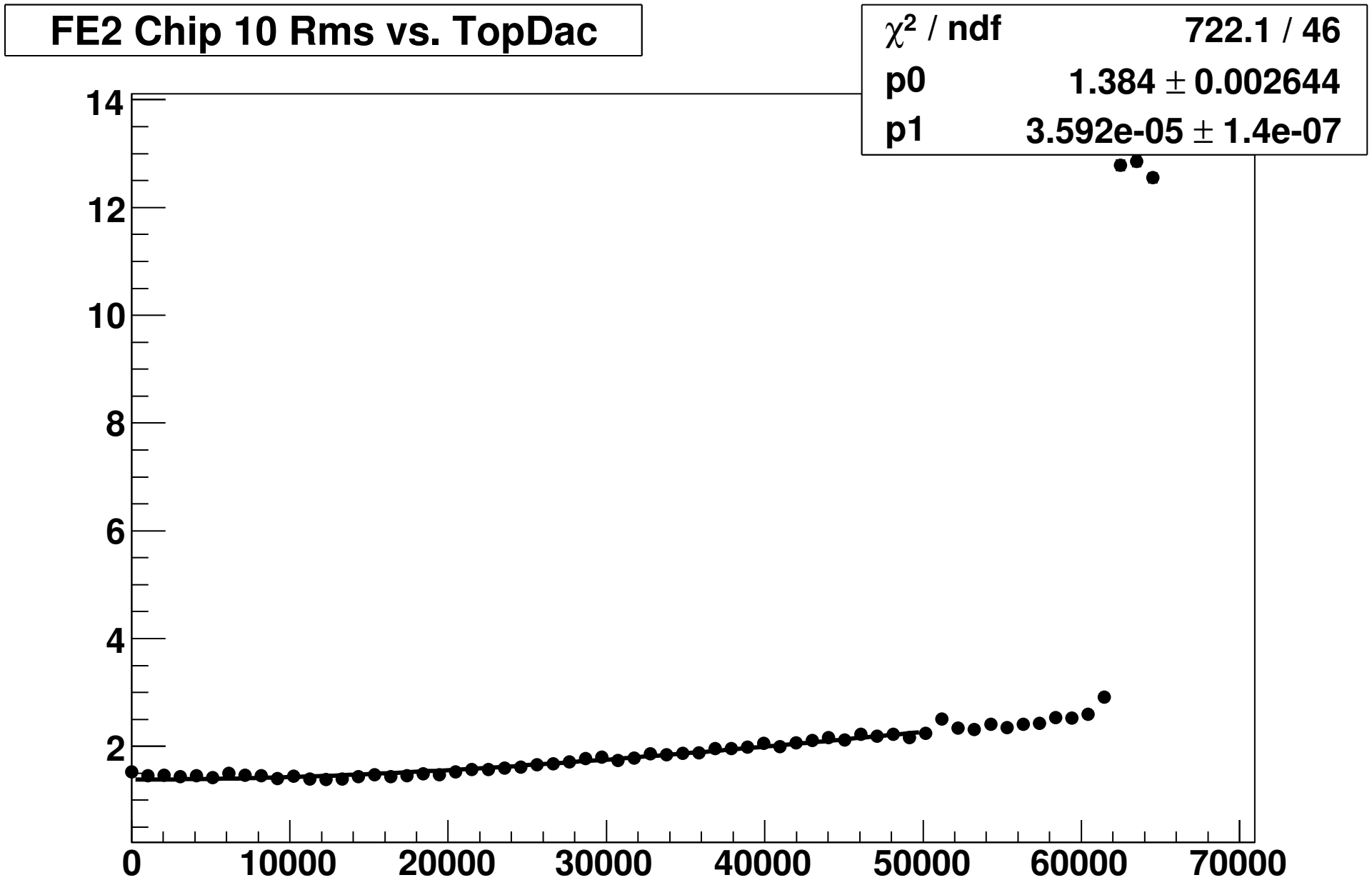
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 722.1 / 46
p0 1.384 ± 0.002644
p1 3.592e-05 ± 1.4e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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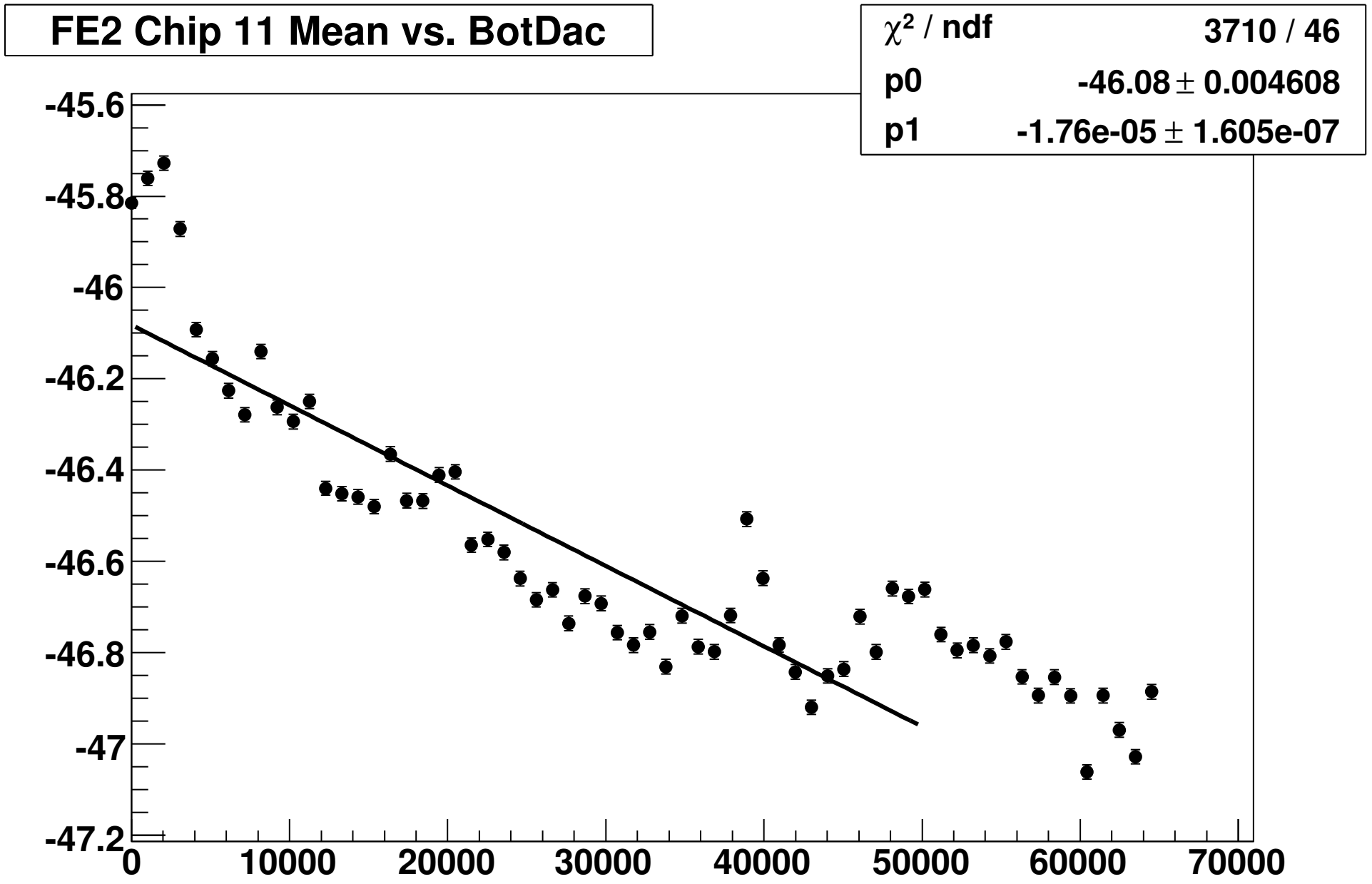
FE2 Chip 11 Mean vs. BotDac
χ² / ndf 3710 / 46
p0 -46.08 ± 0.004608
p1 -1.76e-05 ± 1.605e-07
-45.6
-45.8
-46
-46.2
-46.4
-46.6
-46.8
-47
-47.2
0
10000
20000
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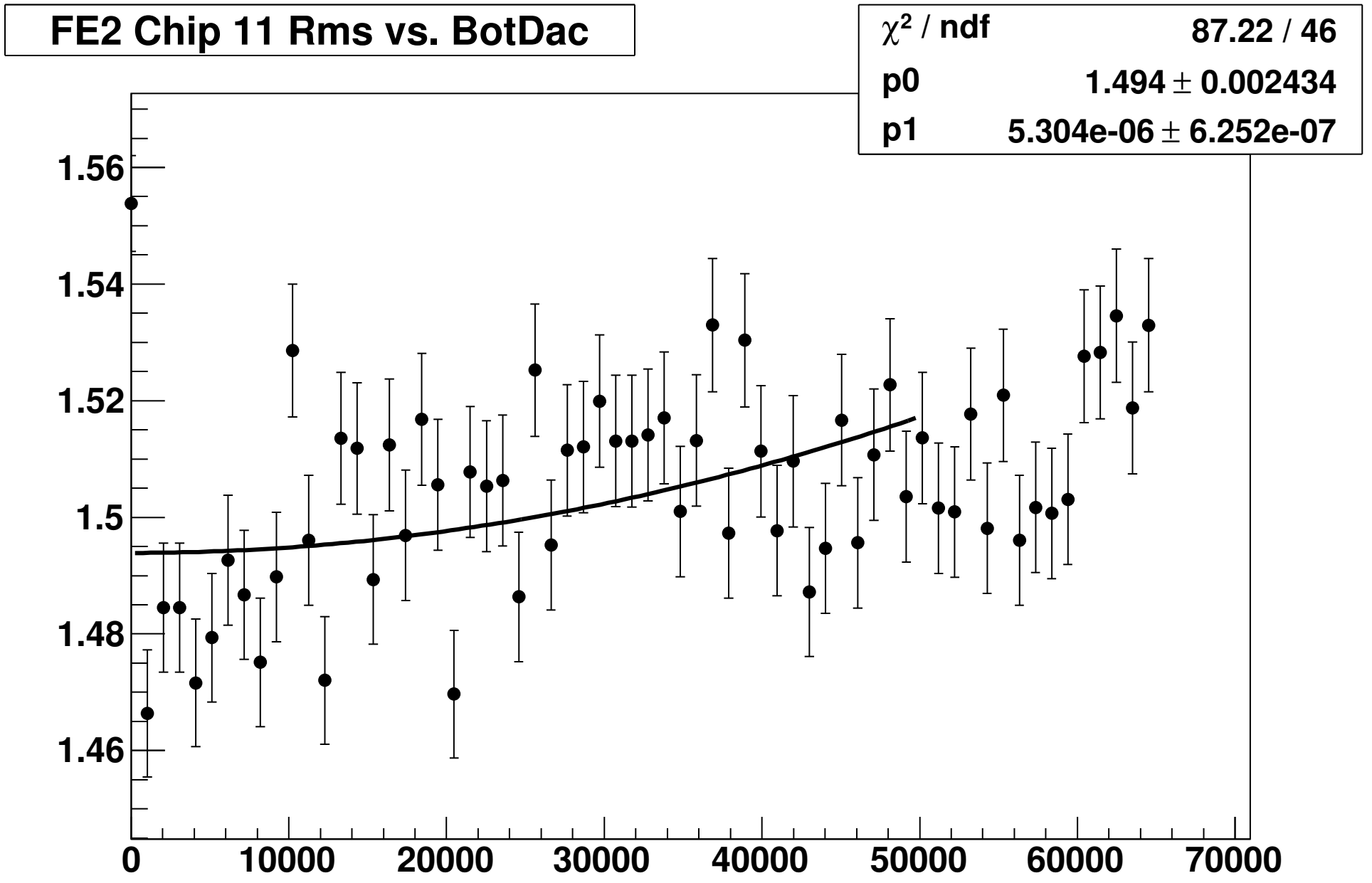
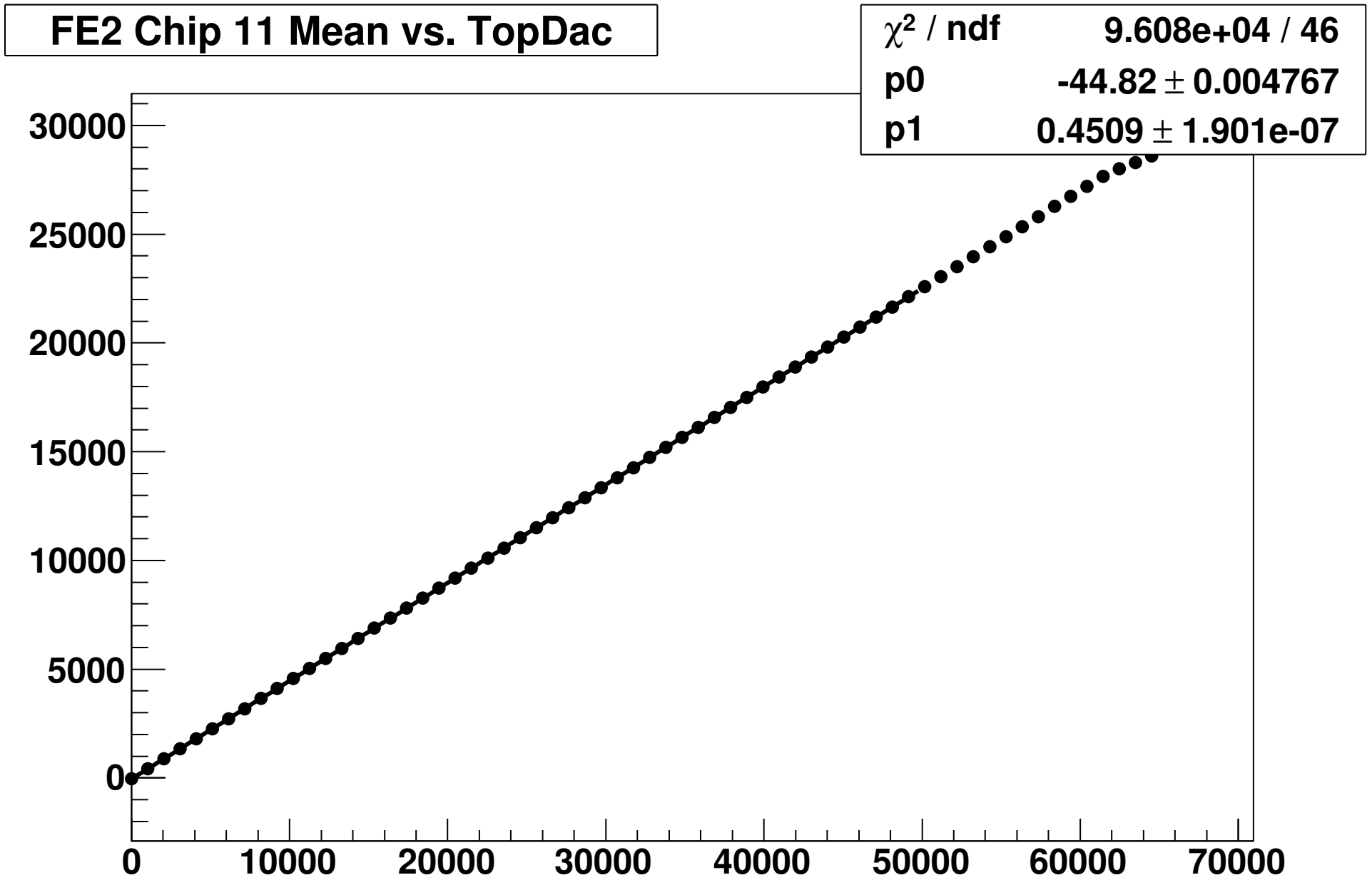
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 87.22 / 46
p0 1.494 ± 0.002434
p1 5.304e-06 ± 6.252e-07
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 9.608e+04 / 46
p0 -44.82 ± 0.004767
p1 0.4509 ± 1.901e-07
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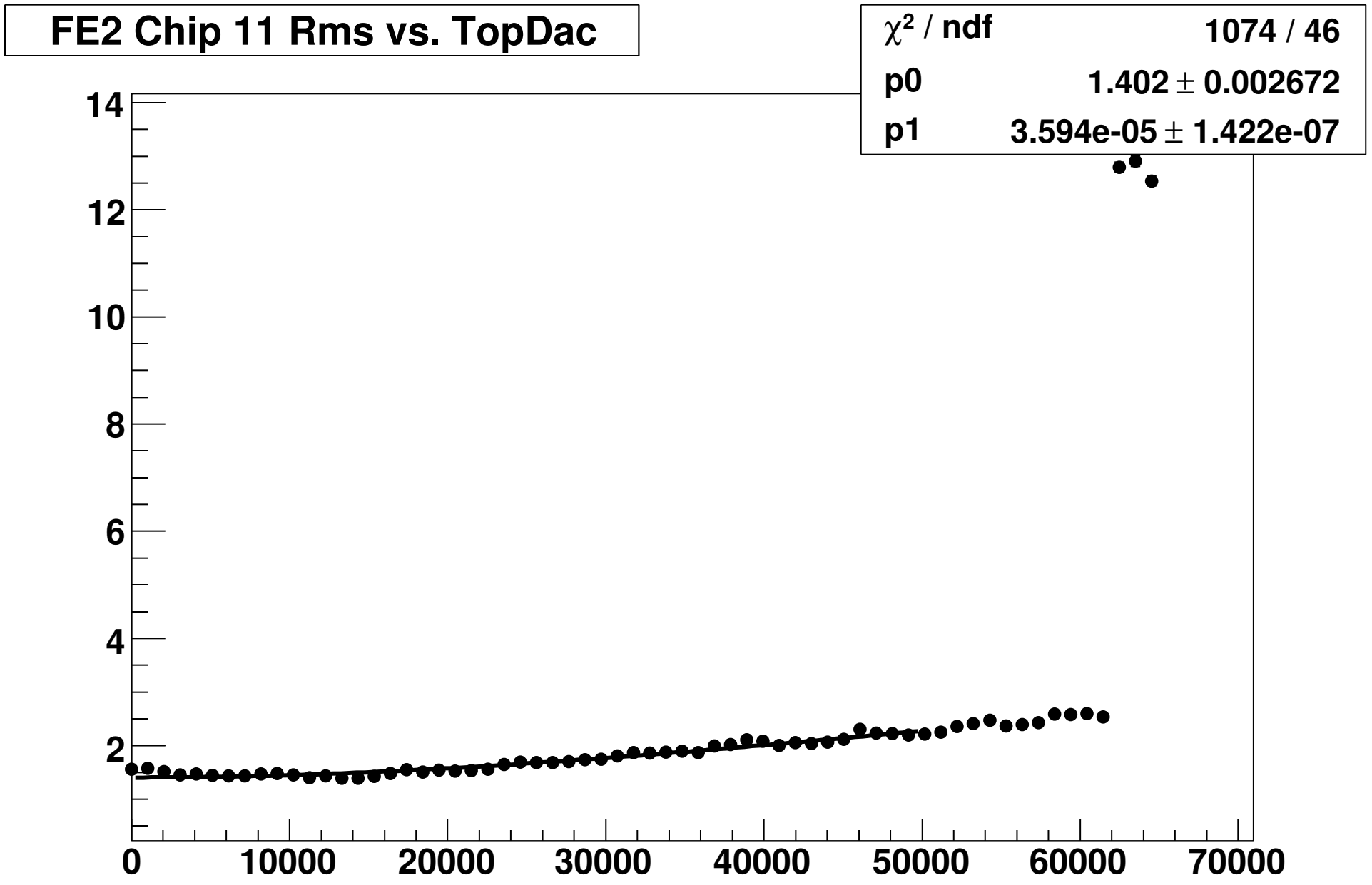
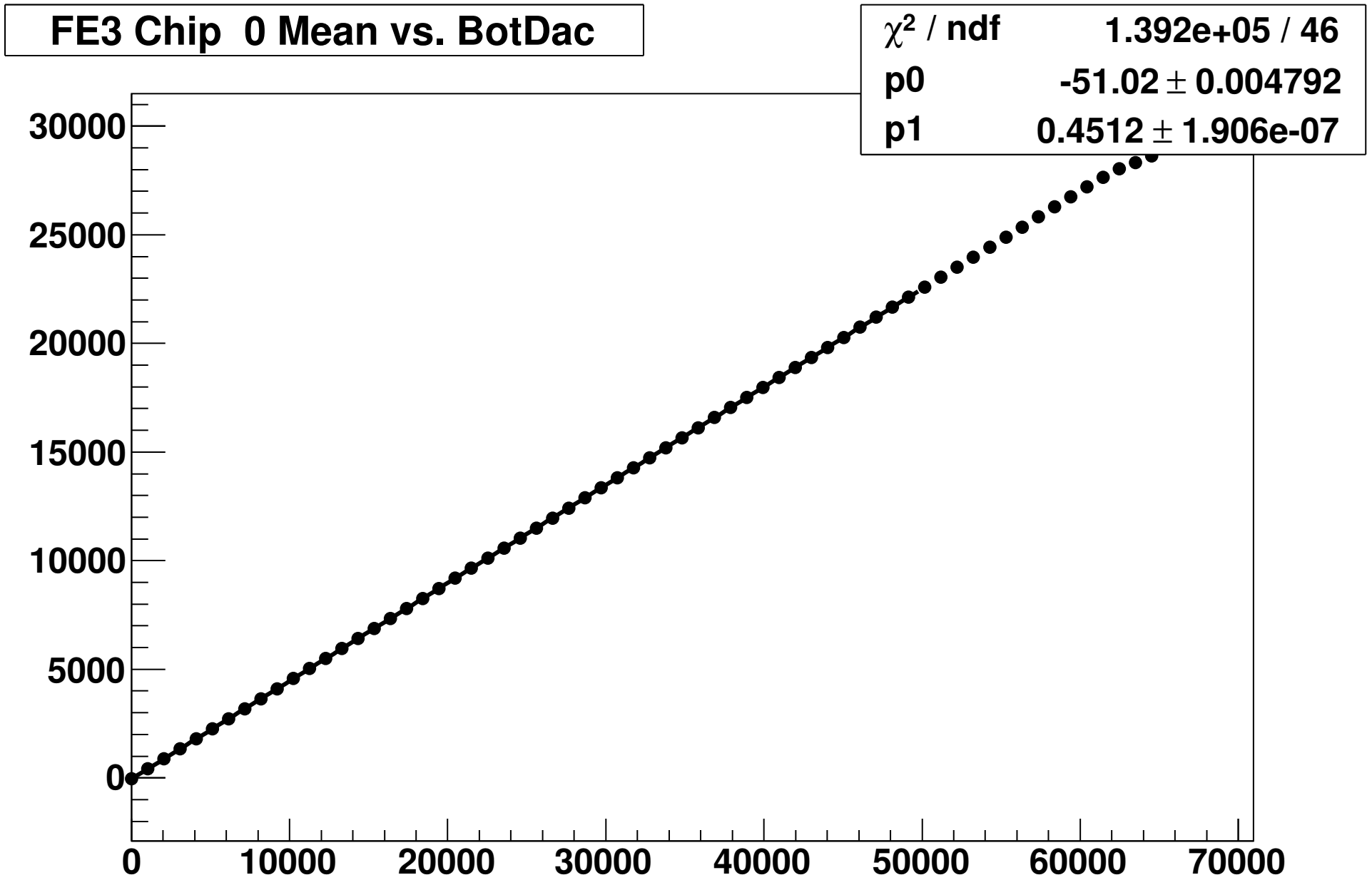
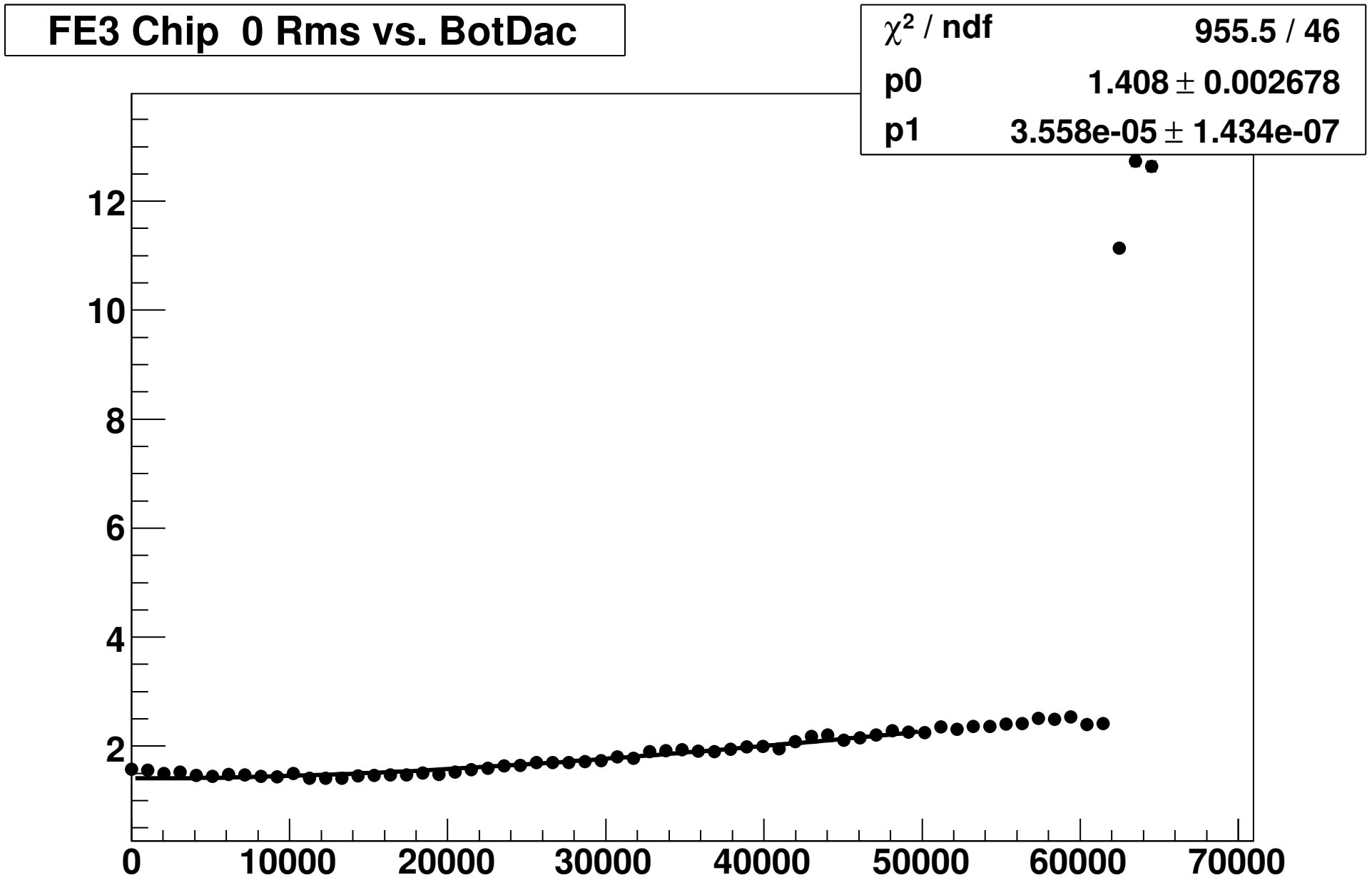
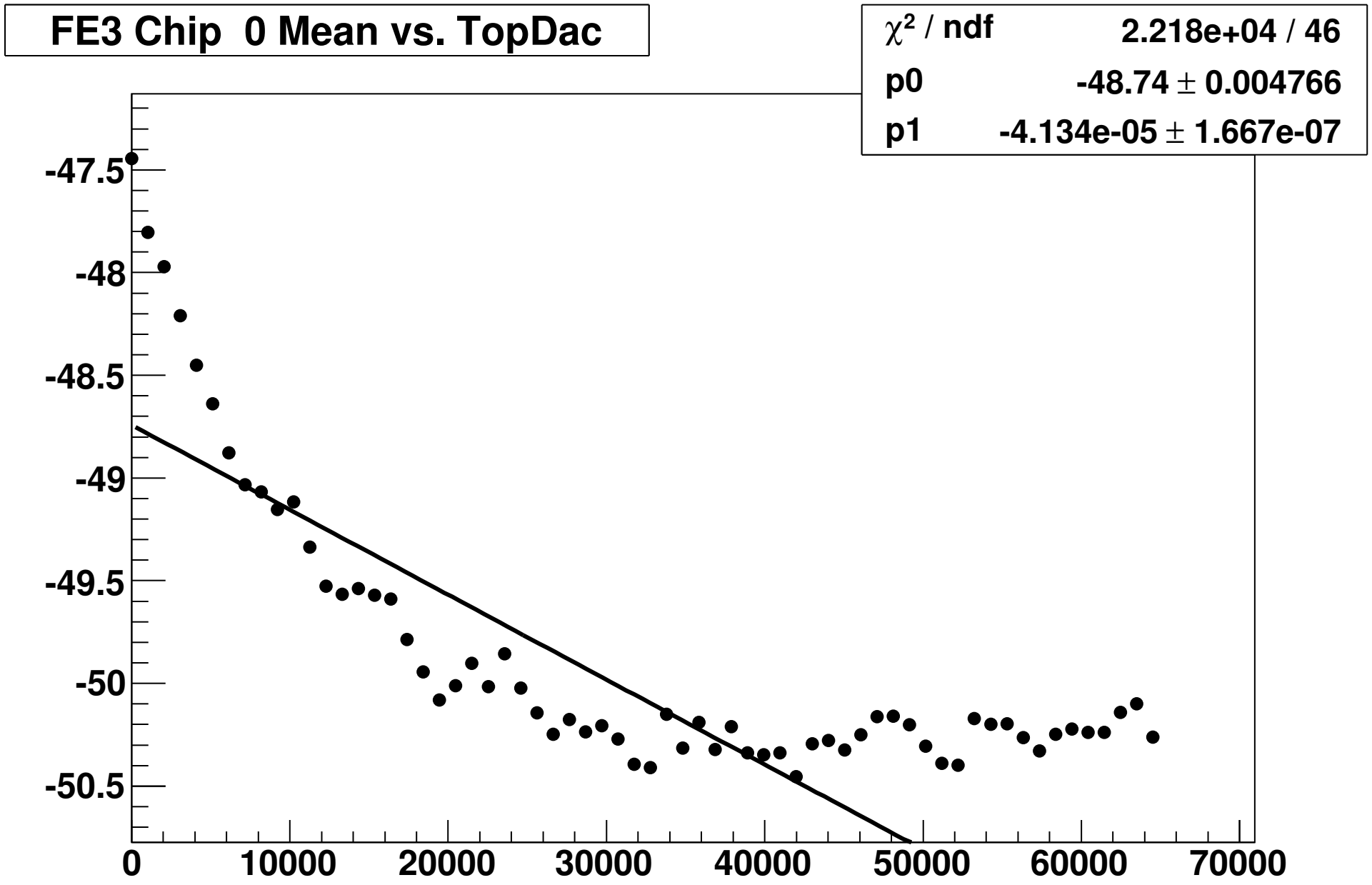
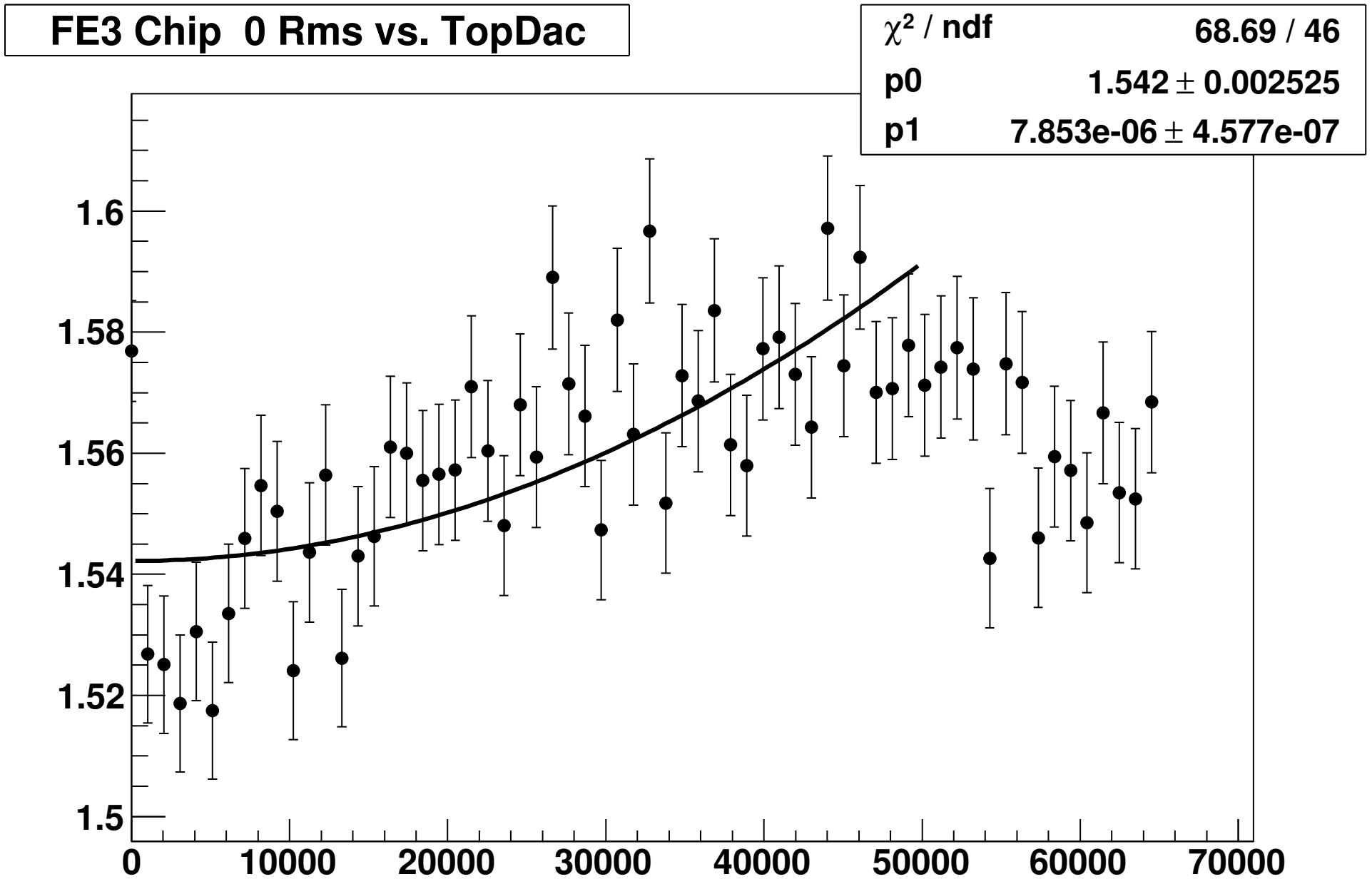
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

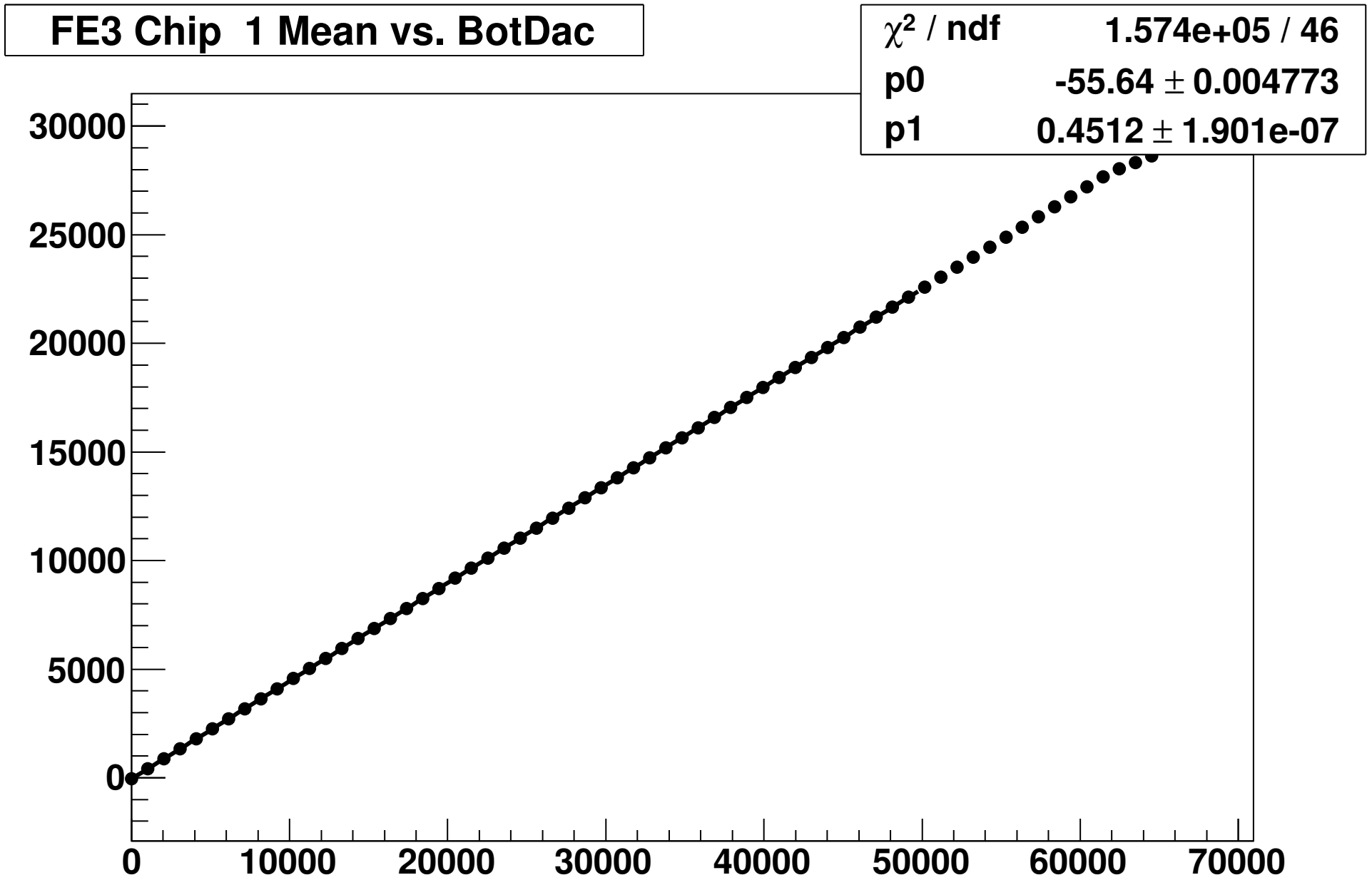

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1074 / 46
p0 1.402 ± 0.002672
p1 3.594e-05 ± 1.422e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

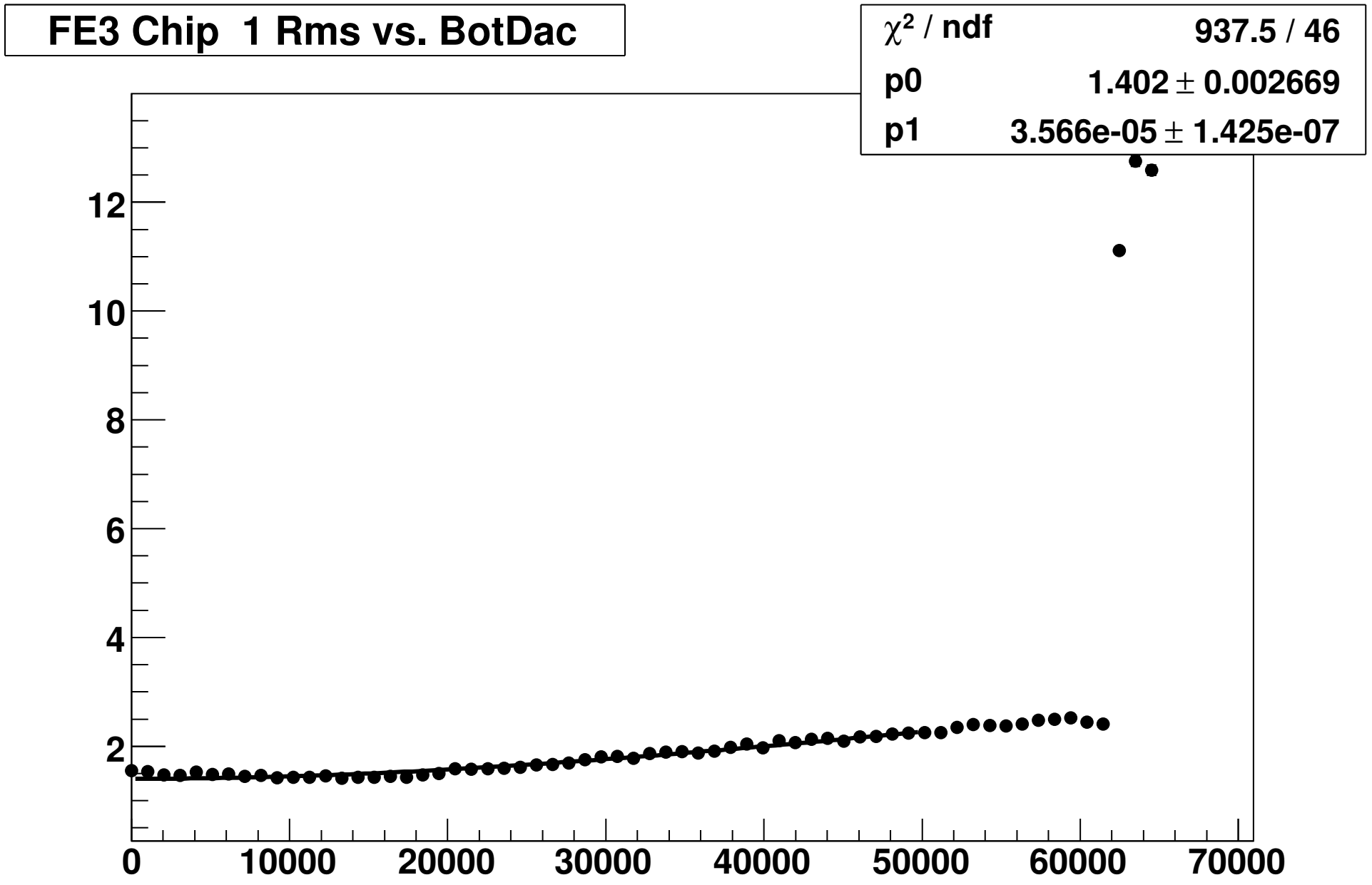

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.392e+05 / 46
p0 -51.02 ± 0.004792
p1 0.4512 ± 1.906e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

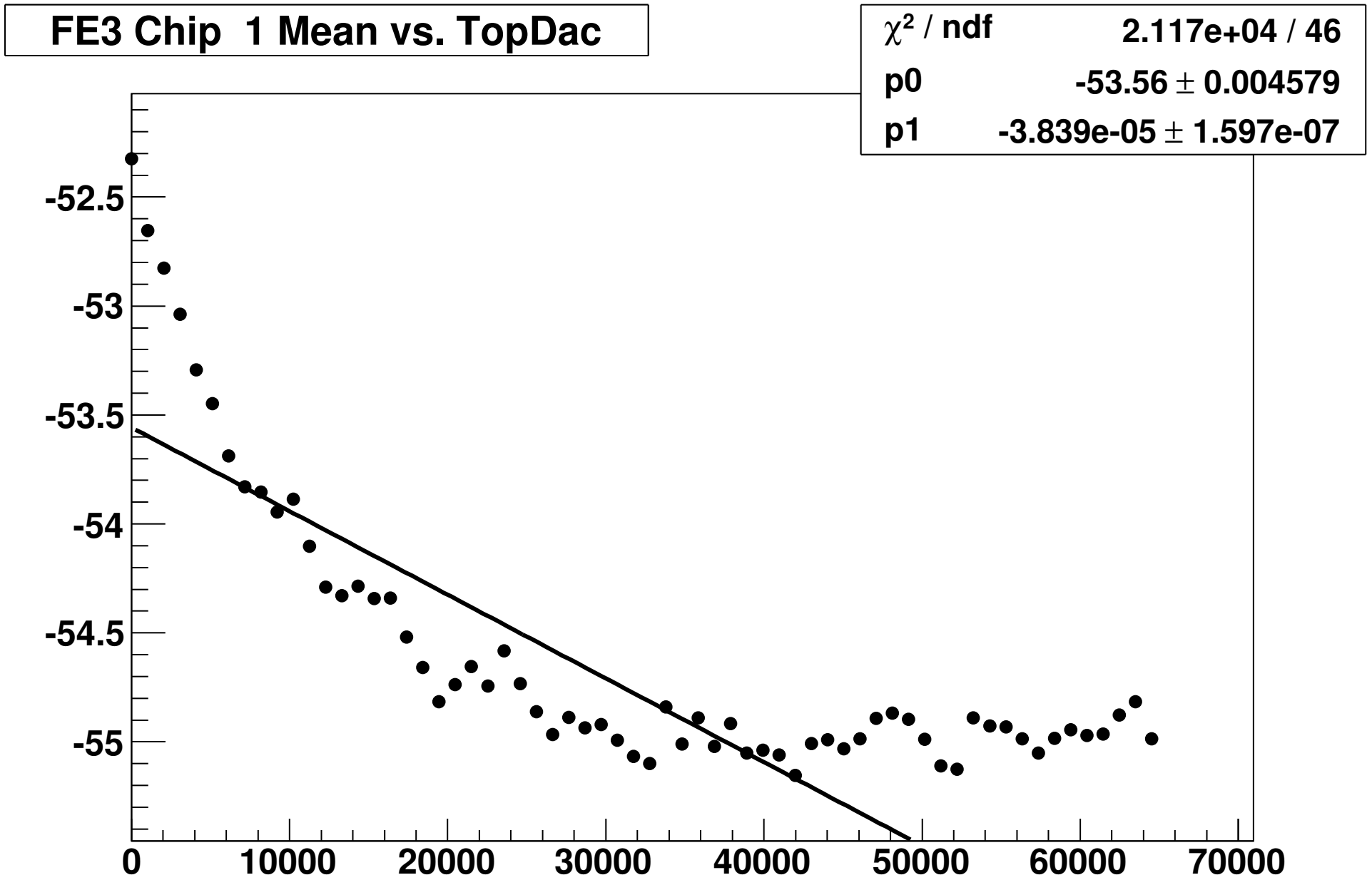

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 955.5 / 46
p0 1.408 ± 0.002678
p1 3.558e-05 ± 1.434e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 2.218e+04 / 46
p0 -48.74 ± 0.004766
p1 -4.134e-05 ± 1.667e-07
-47.5
-48
-48.5
-49
-49.5
-50
-50.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 68.69 / 46
p0 1.542 ± 0.002525
p1 7.853e-06 ± 4.577e-07
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.574e+05 / 46
p0 -55.64 ± 0.004773
p1 0.4512 ± 1.901e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 937.5 / 46
p0 1.402 ± 0.002669
p1 3.566e-05 ± 1.425e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 2.117e+04 / 46
p0 -53.56 ± 0.004579
p1 -3.839e-05 ± 1.597e-07
-52.5
-53
-53.5
-54
-54.5
-55
0
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30000
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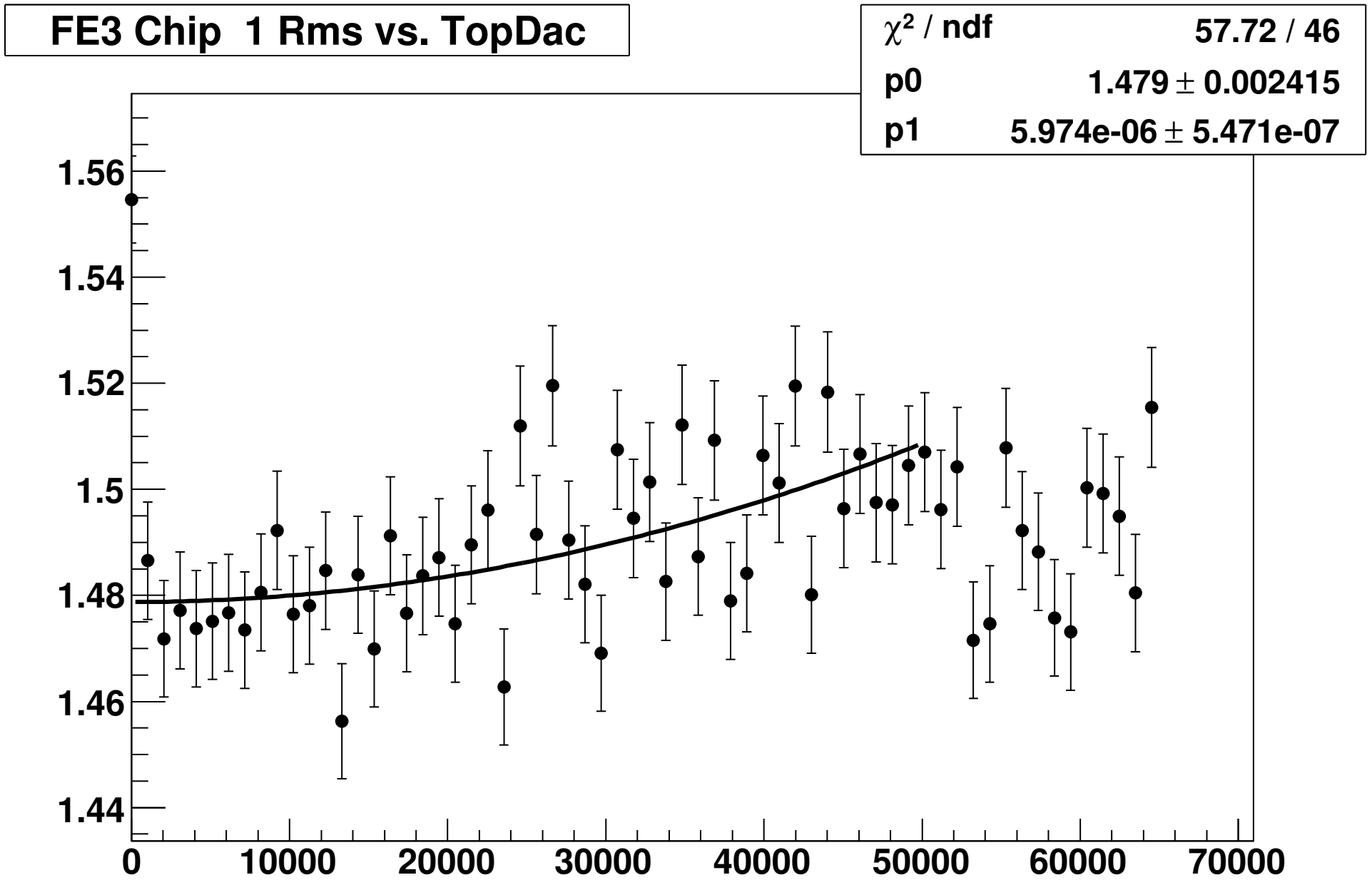
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 57.72 / 46
p0 1.479 ± 0.002415
p1 5.974e-06 ± 5.471e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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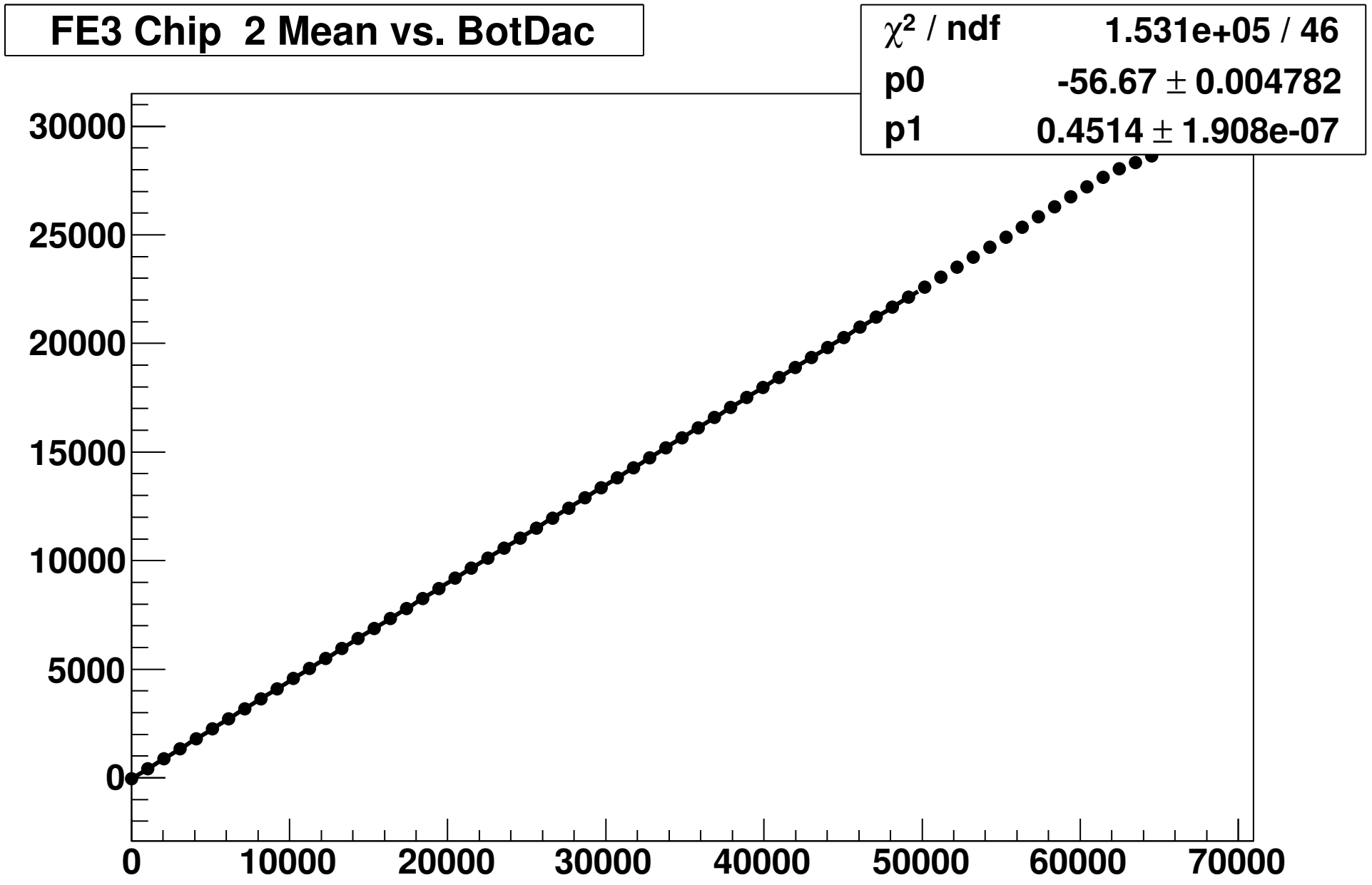
FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.531e+05 / 46
p0 -56.67 ± 0.004782
p1 0.4514 ± 1.908e-07
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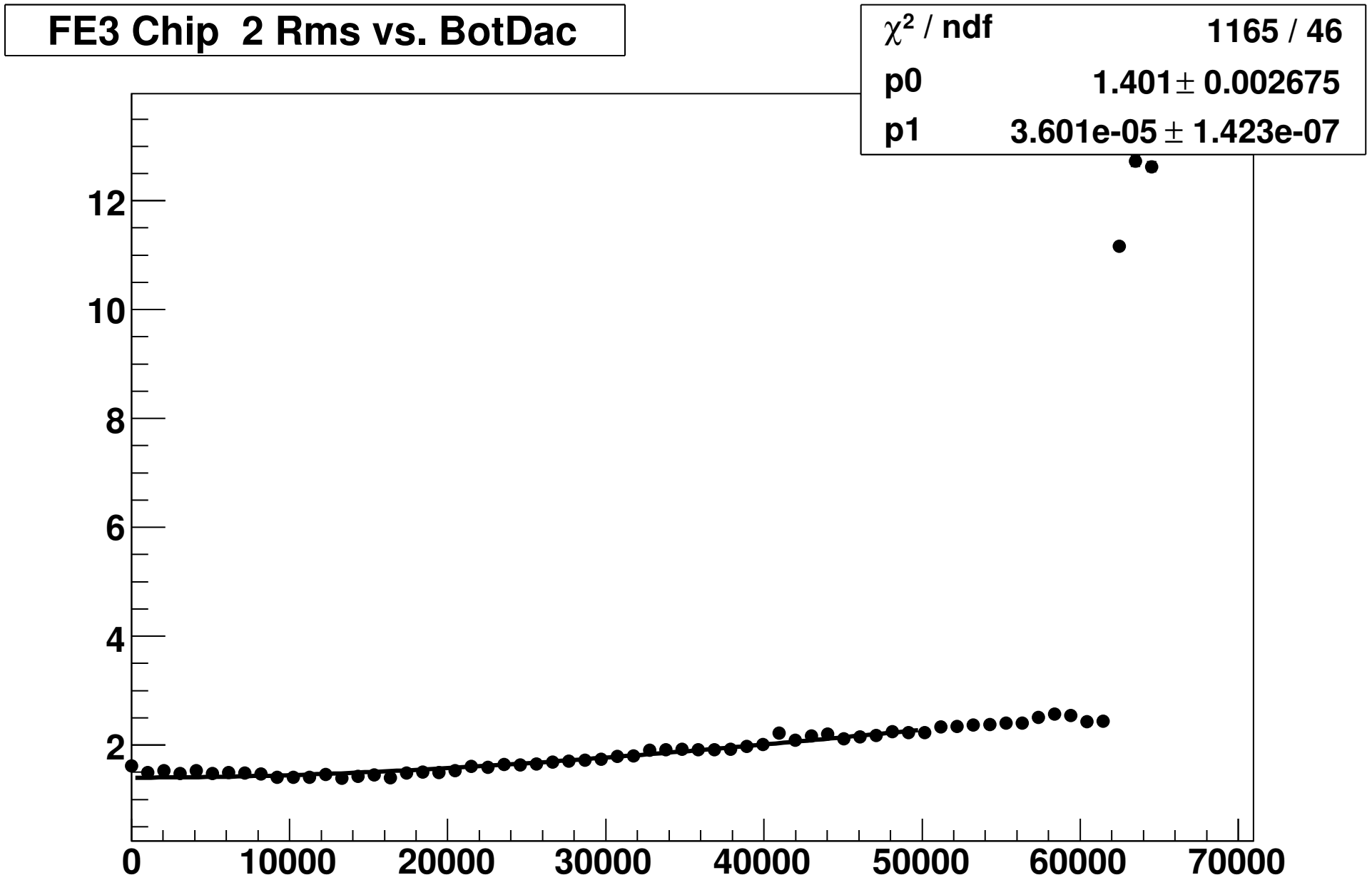
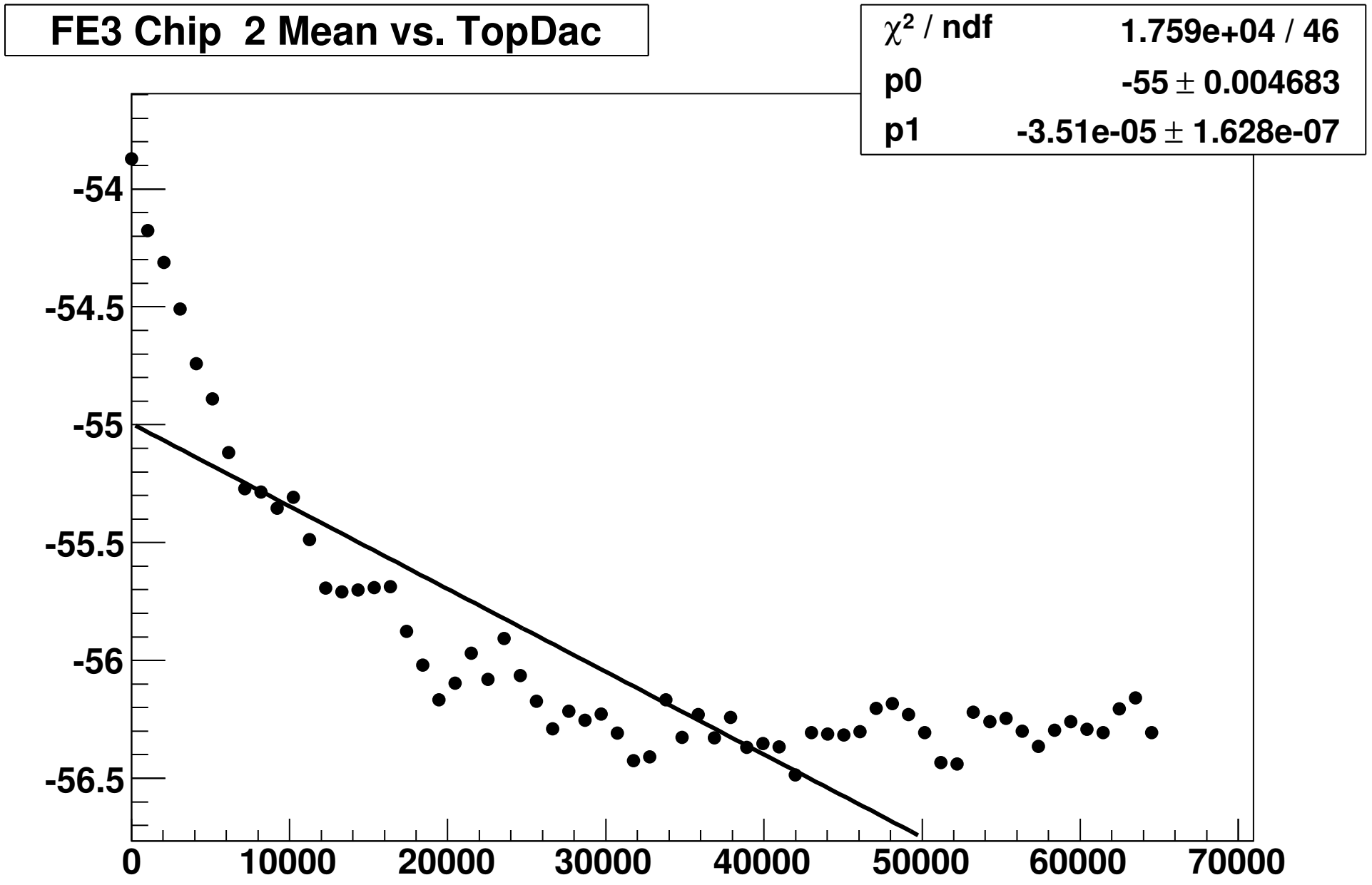
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1165 / 46
p0 1.401 ± 0.002675
p1 3.601e-05 ± 1.423e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1.759e+04 / 46
p0 -55 ± 0.004683
p1 -3.51e-05 ± 1.628e-07
-54
-54.5
-55
-55.5
-56
-56.5
0
10000
20000
30000
40000
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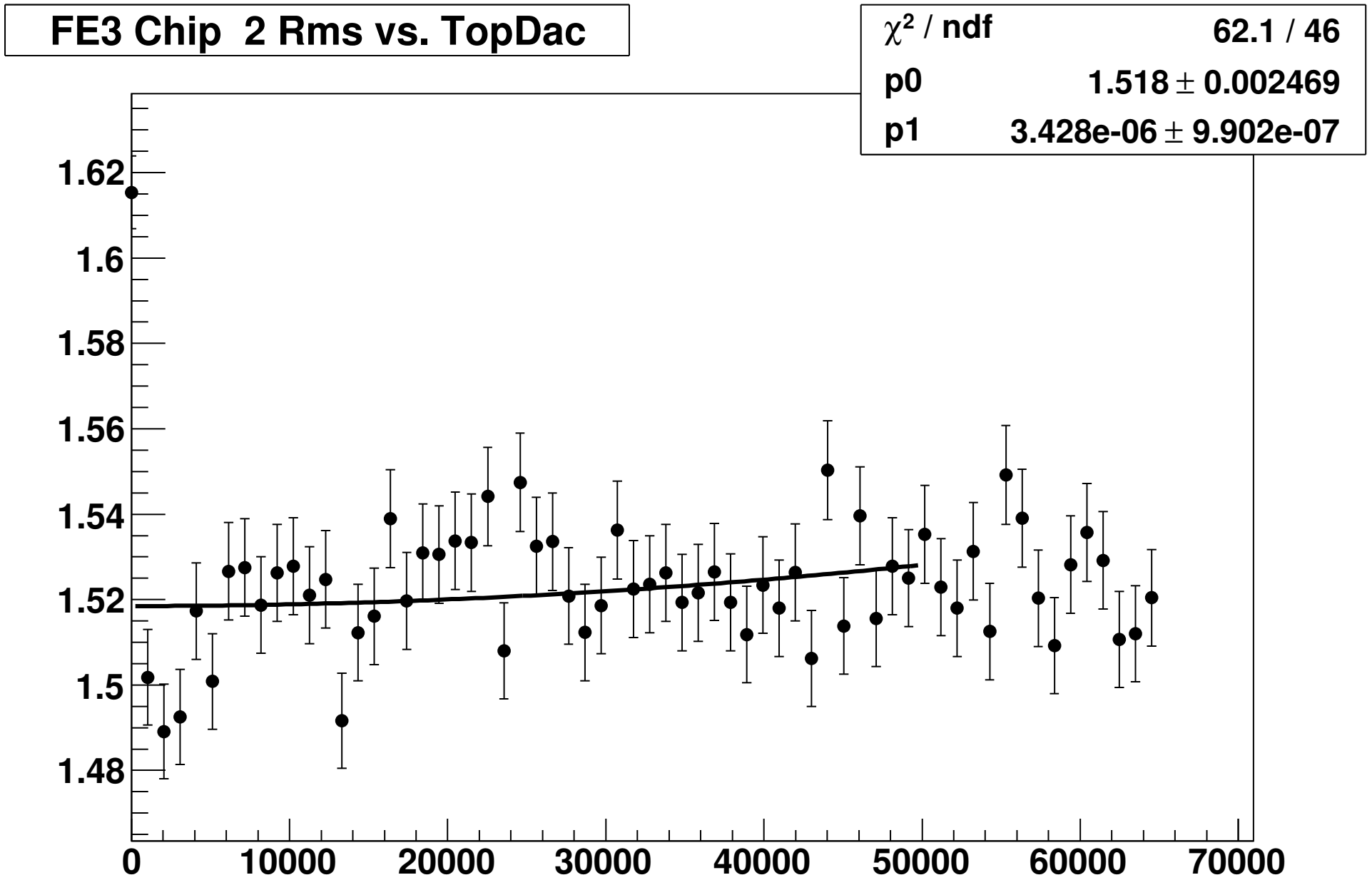
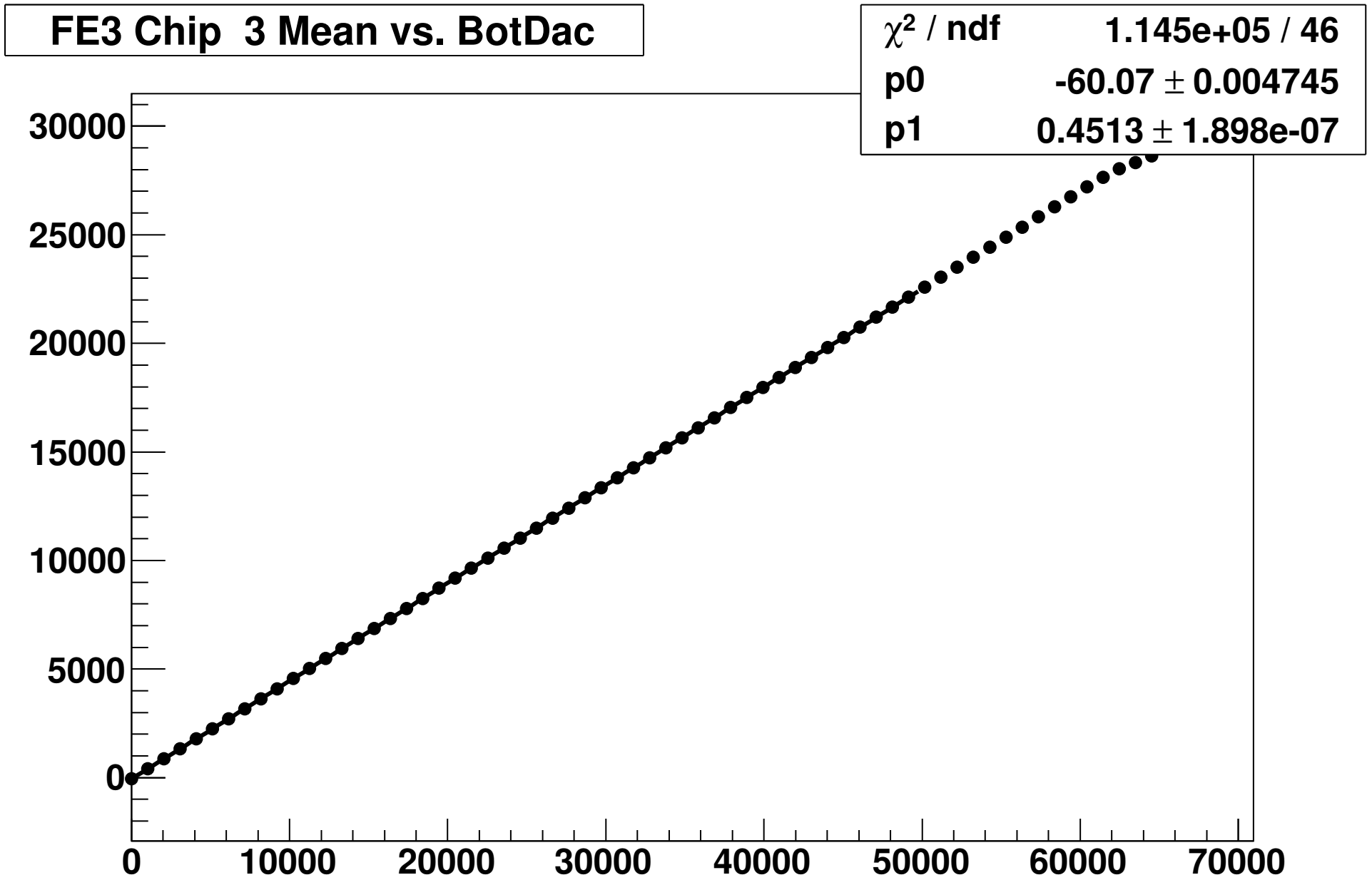
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 62.1 / 46
p0 1.518 ± 0.002469
p1 3.428e-06 ± 9.902e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.145e+05 / 46
p0 -60.07 ± 0.004745
p1 0.4513 ± 1.898e-07
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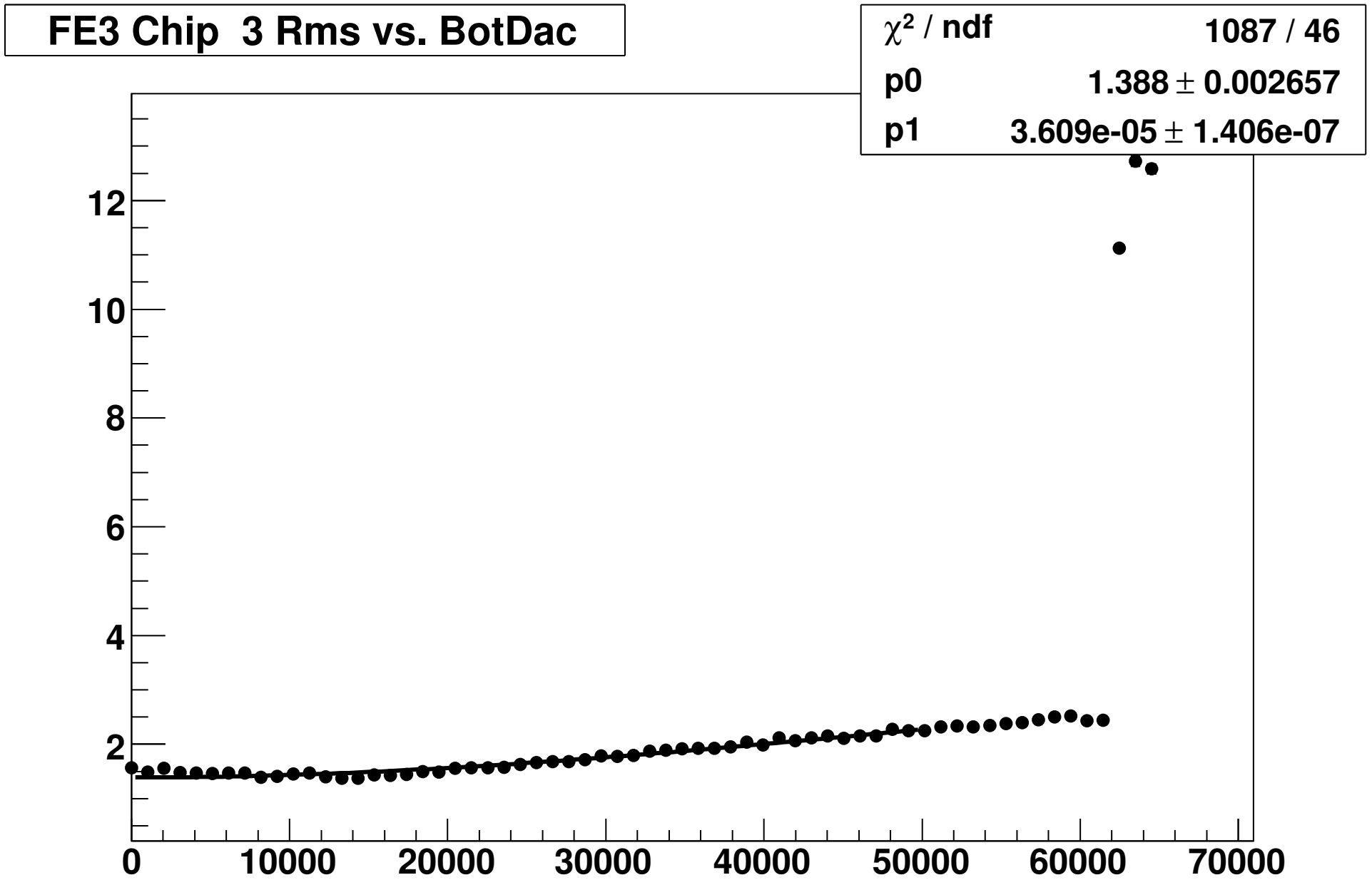
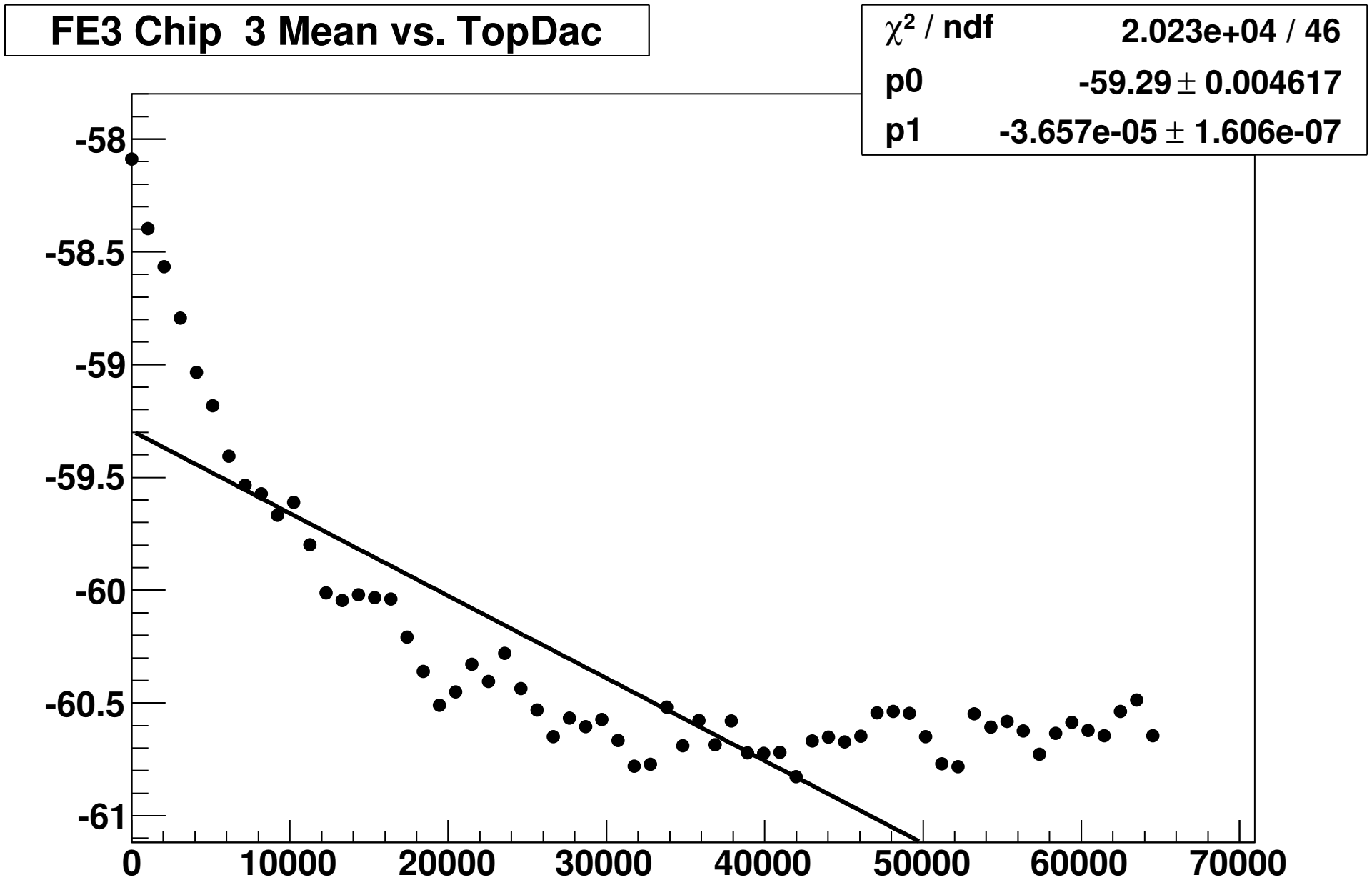
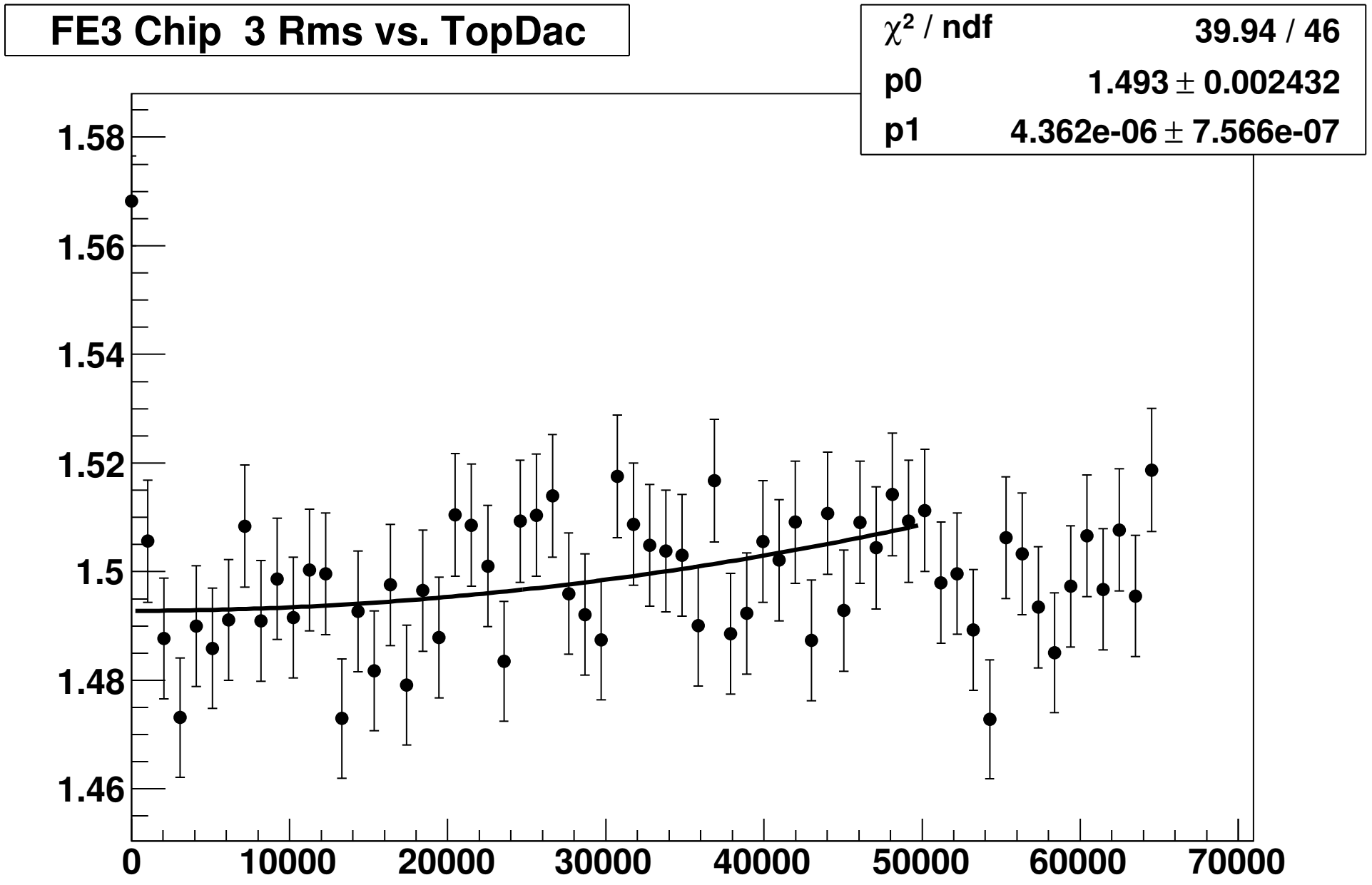
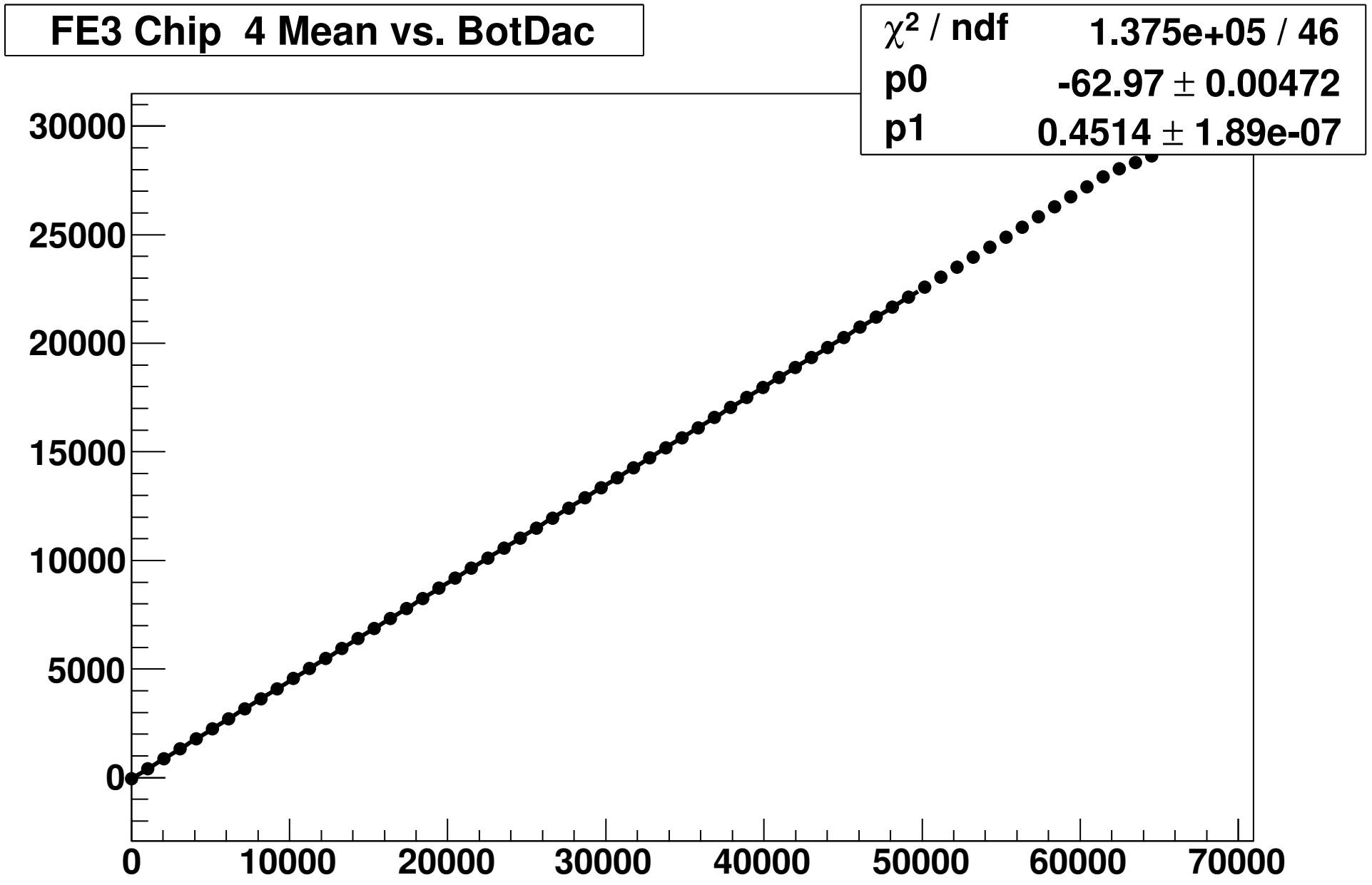
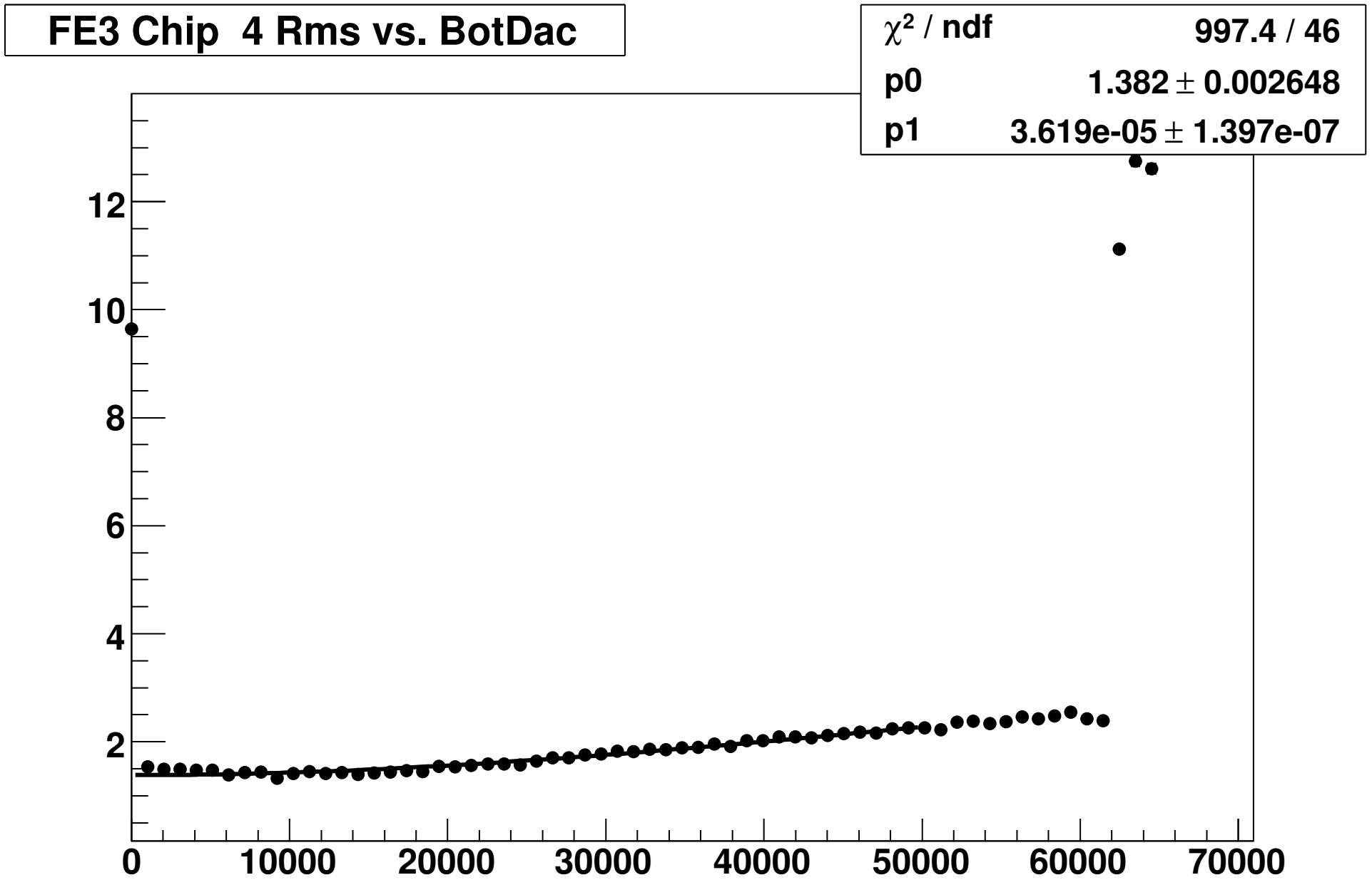
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

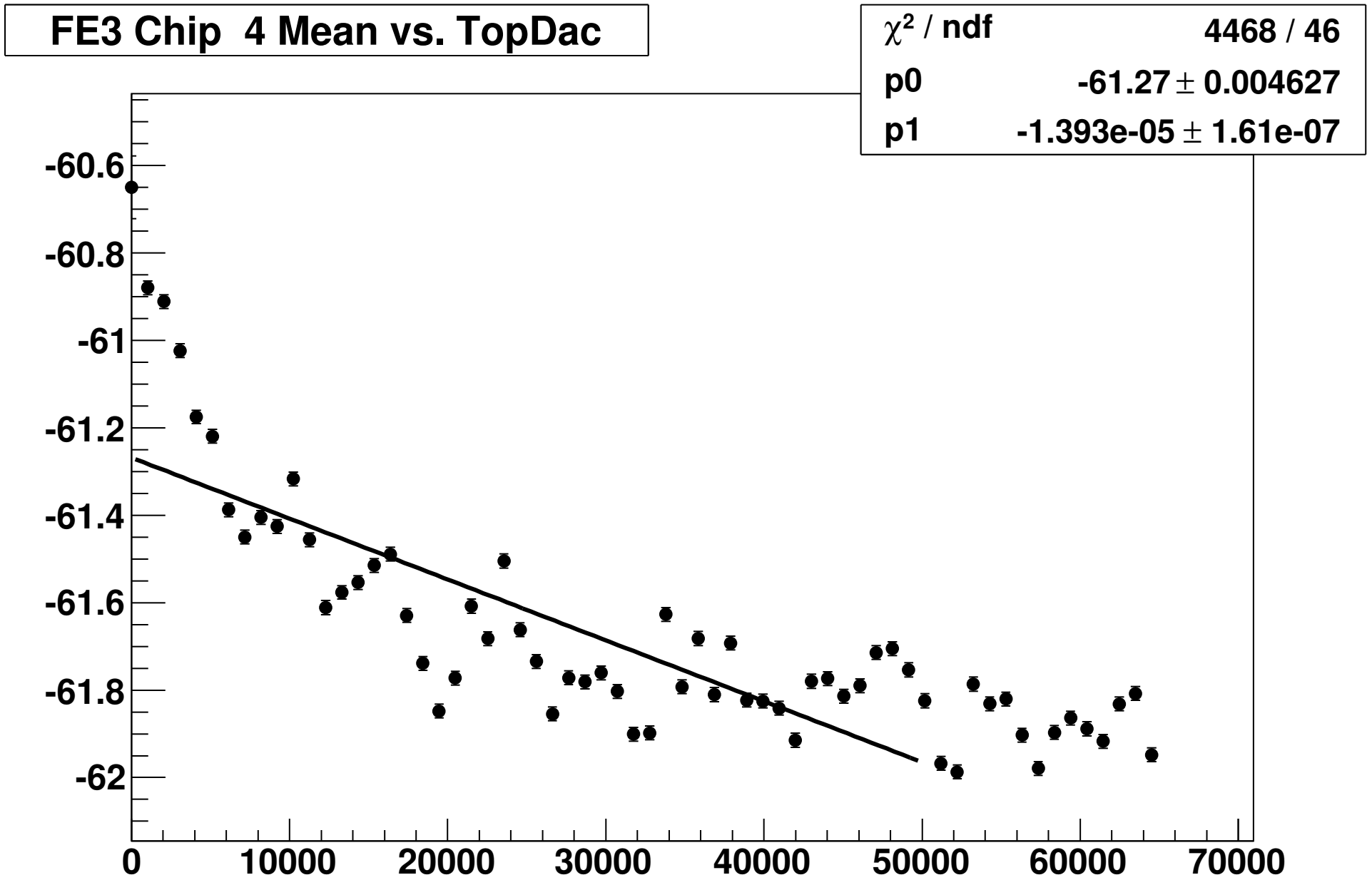

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1087 / 46
p0 1.388 ± 0.002657
p1 3.609e-05 ± 1.406e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

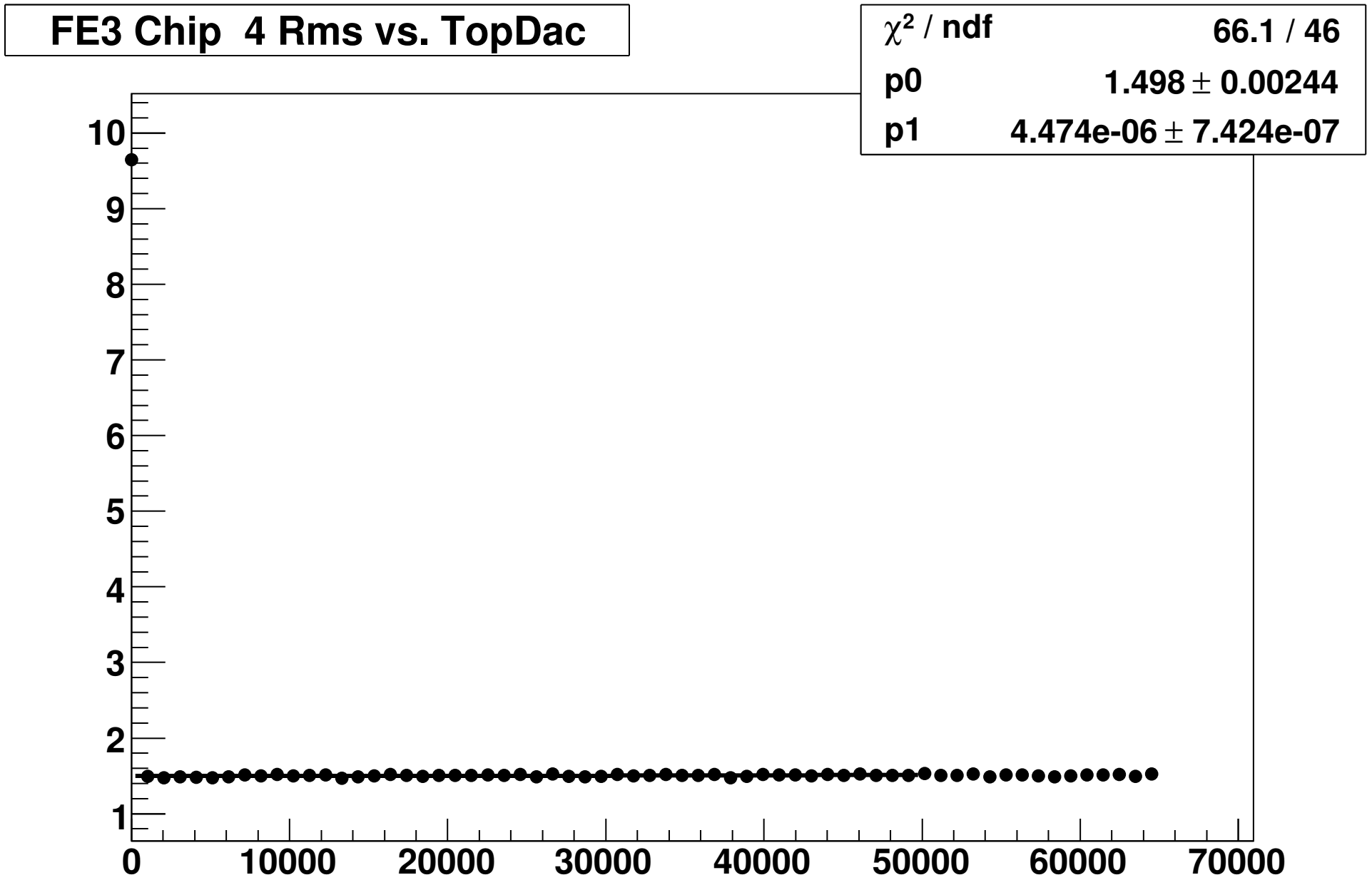

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 2.023e+04 / 46
p0 -59.29 ± 0.004617
p1 -3.657e-05 ± 1.606e-07
-58
-58.5
-59
-59.5
-60
-60.5
-61
0
10000
20000
30000
40000
50000
60000
70000

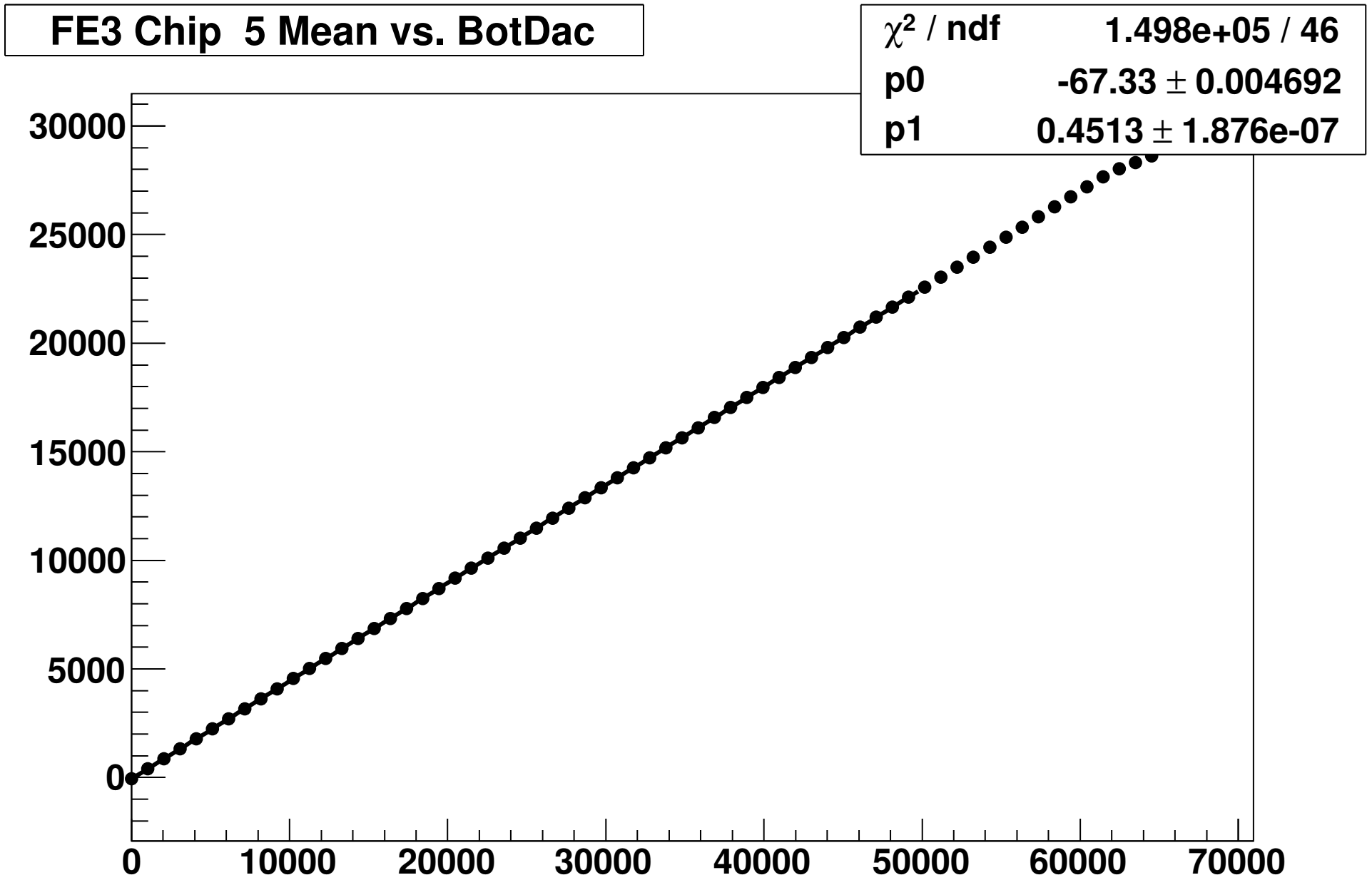

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 39.94 / 46
p0 1.493 ± 0.002432
p1 4.362e-06 ± 7.566e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 1.375e+05 / 46
p0 -62.97 ± 0.00472
p1 0.4514 ± 1.89e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 997.4 / 46
p0 1.382 ± 0.002648
p1 3.619e-05 ± 1.397e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 4468 / 46
p0 -61.27 ± 0.004627
p1 -1.393e-05 ± 1.61e-07
-60.6
-60.8
-61
-61.2
-61.4
-61.6
-61.8
-62
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 66.1 / 46
p0 1.498 ± 0.00244
p1 4.474e-06 ± 7.424e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.498e+05 / 46
p0 -67.33 ± 0.004692
p1 0.4513 ± 1.876e-07
30000
25000
20000
15000
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5000
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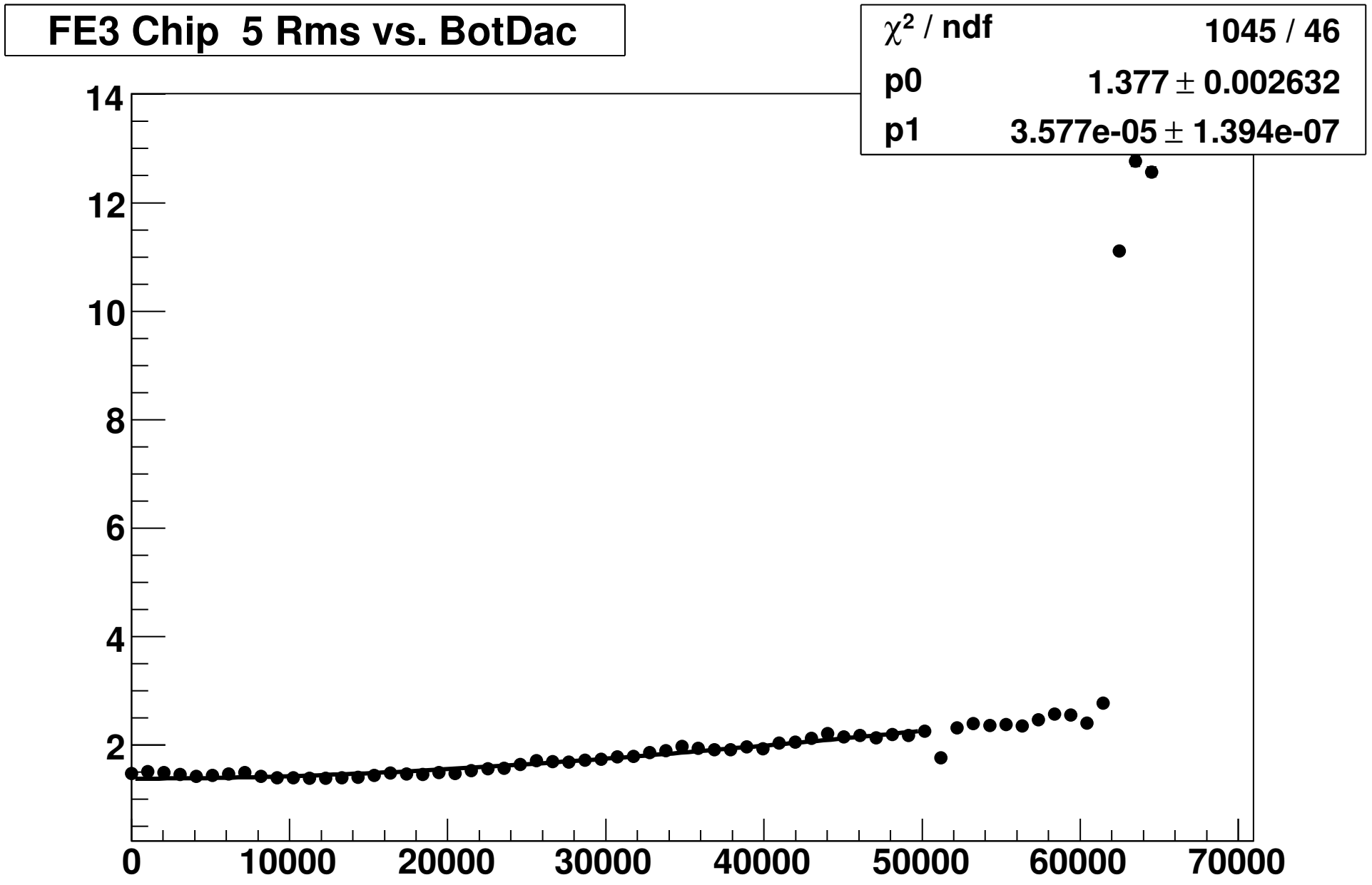
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1045 / 46
p0 1.377 ± 0.002632
p1 3.577e-05 ± 1.394e-07
14
12
10
8
6
4
2
0
10000
20000
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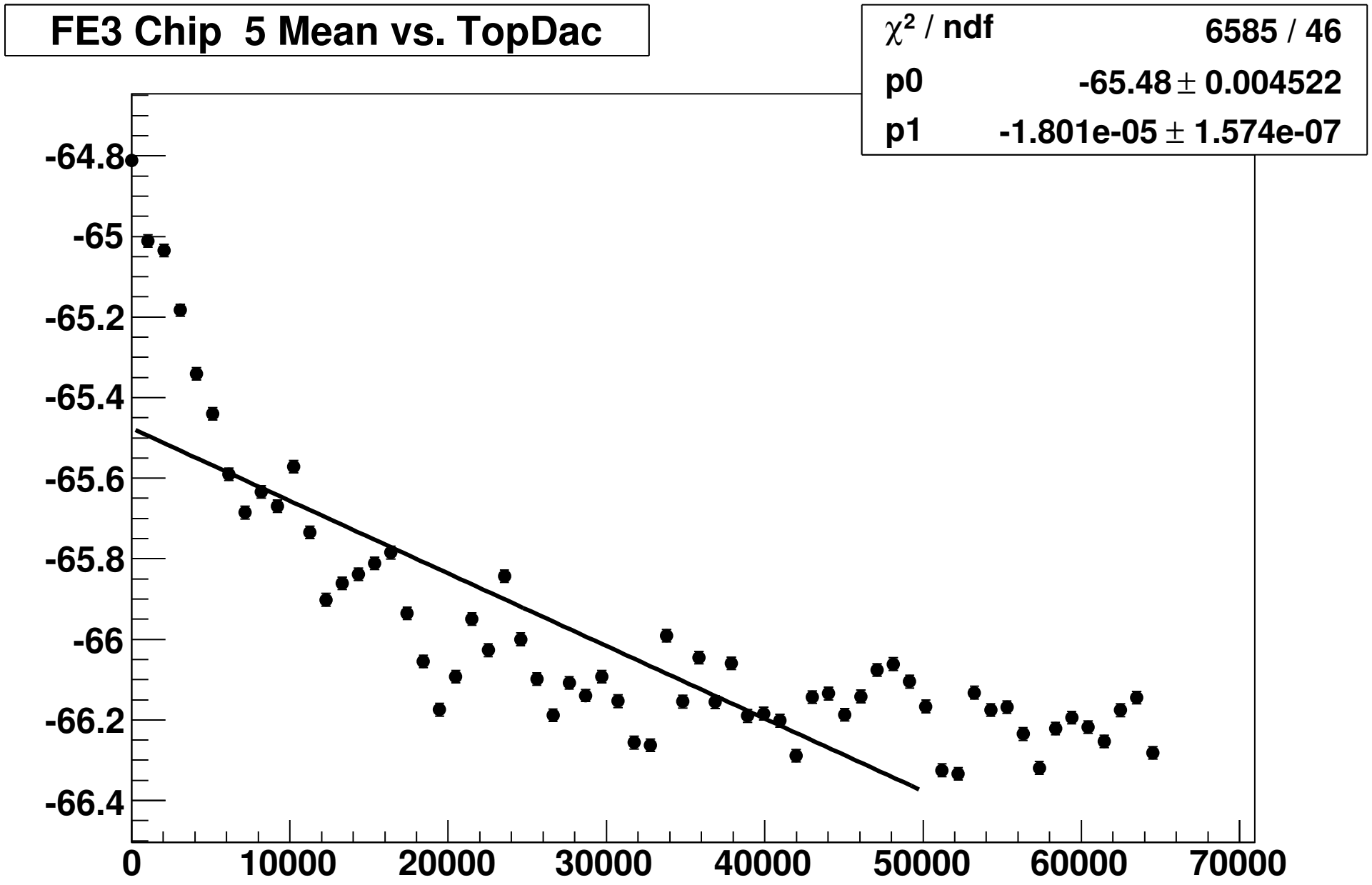
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 6585 / 46
p0 -65.48 ± 0.004522
p1 -1.801e-05 ± 1.574e-07
-64.8
-65
-65.2
-65.4
-65.6
-65.8
-66
-66.2
-66.4
0
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20000
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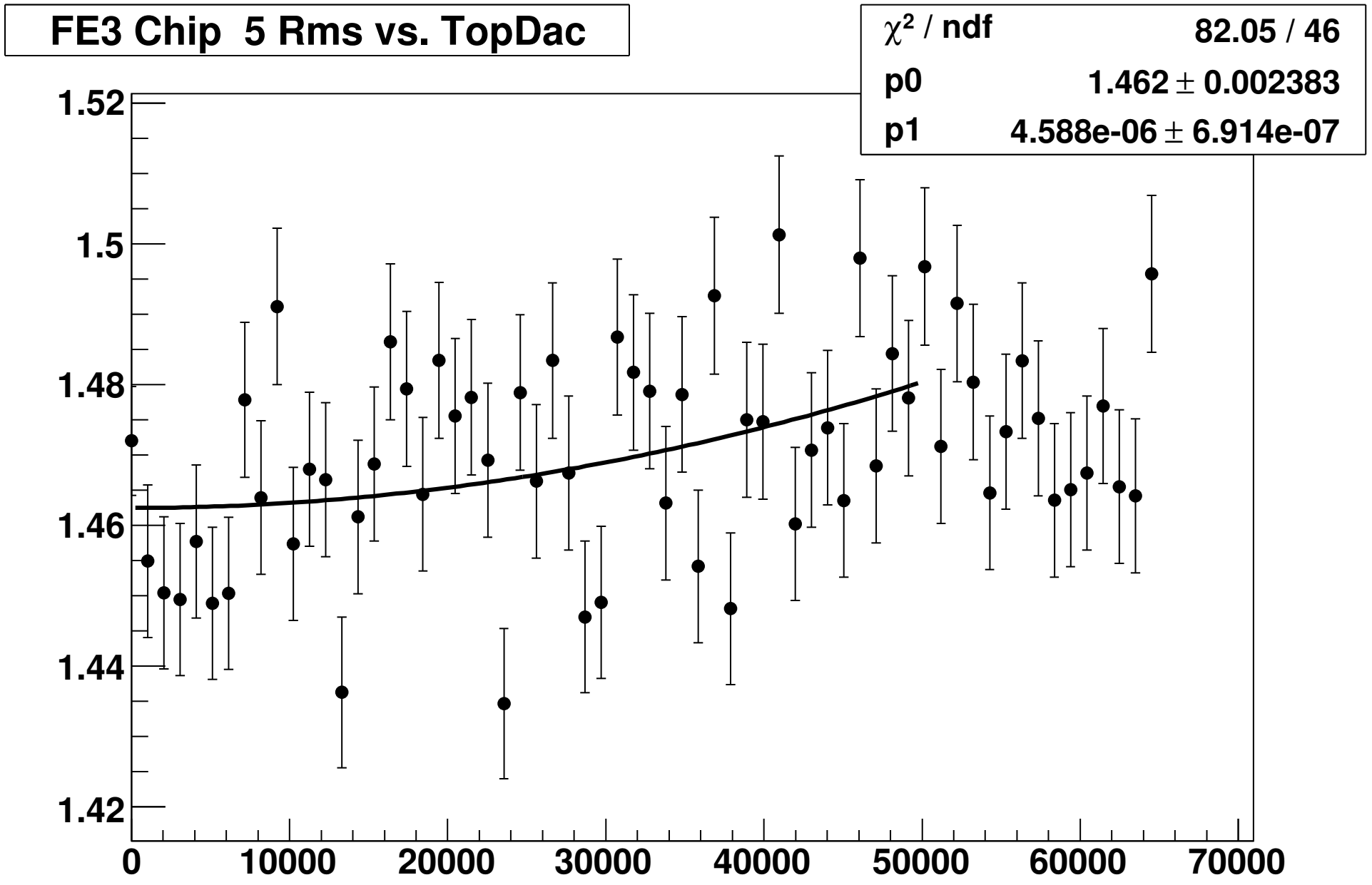
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 82.05 / 46
p0 1.462 ± 0.002383
p1 4.588e-06 ± 6.914e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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60000
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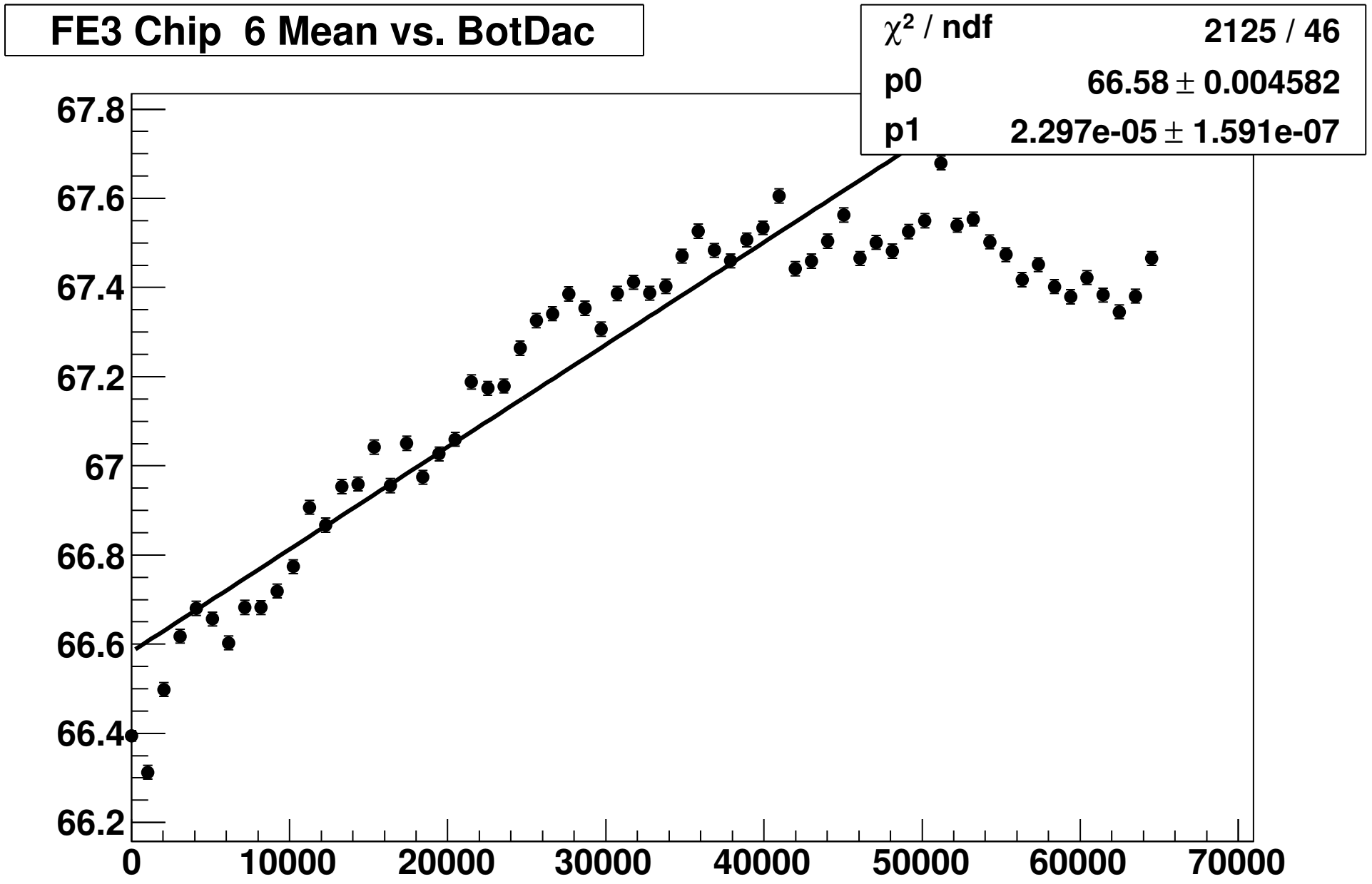
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 2125 / 46
p0 66.58 ± 0.004582
p1 2.297e-05 ± 1.591e-07
67.8
67.6
67.4
67.2
67
66.8
66.6
66.4
66.2
0
10000
20000
30000
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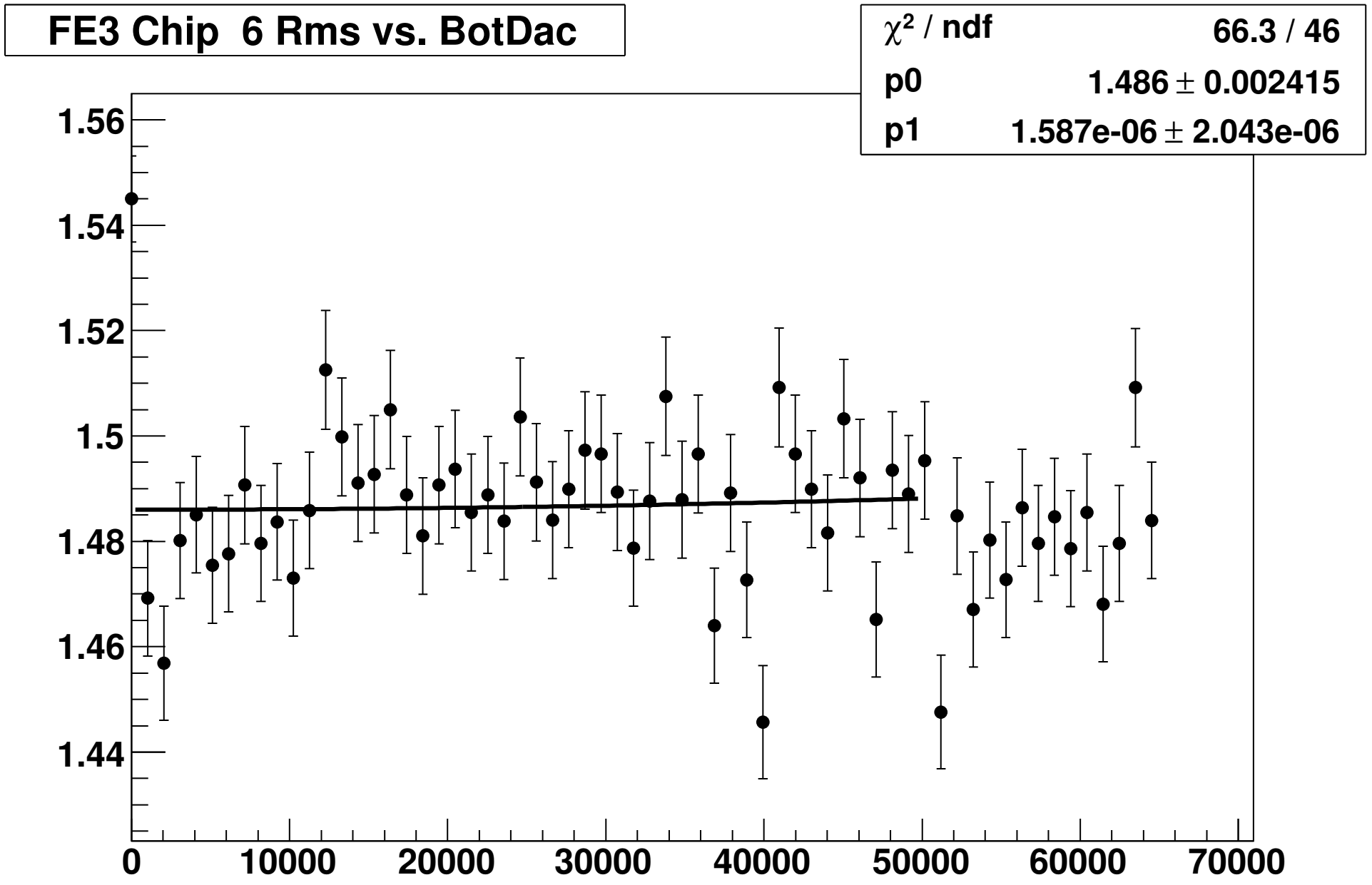
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 66.3 / 46
p0 1.486 ± 0.002415
p1 1.587e-06 ± 2.043e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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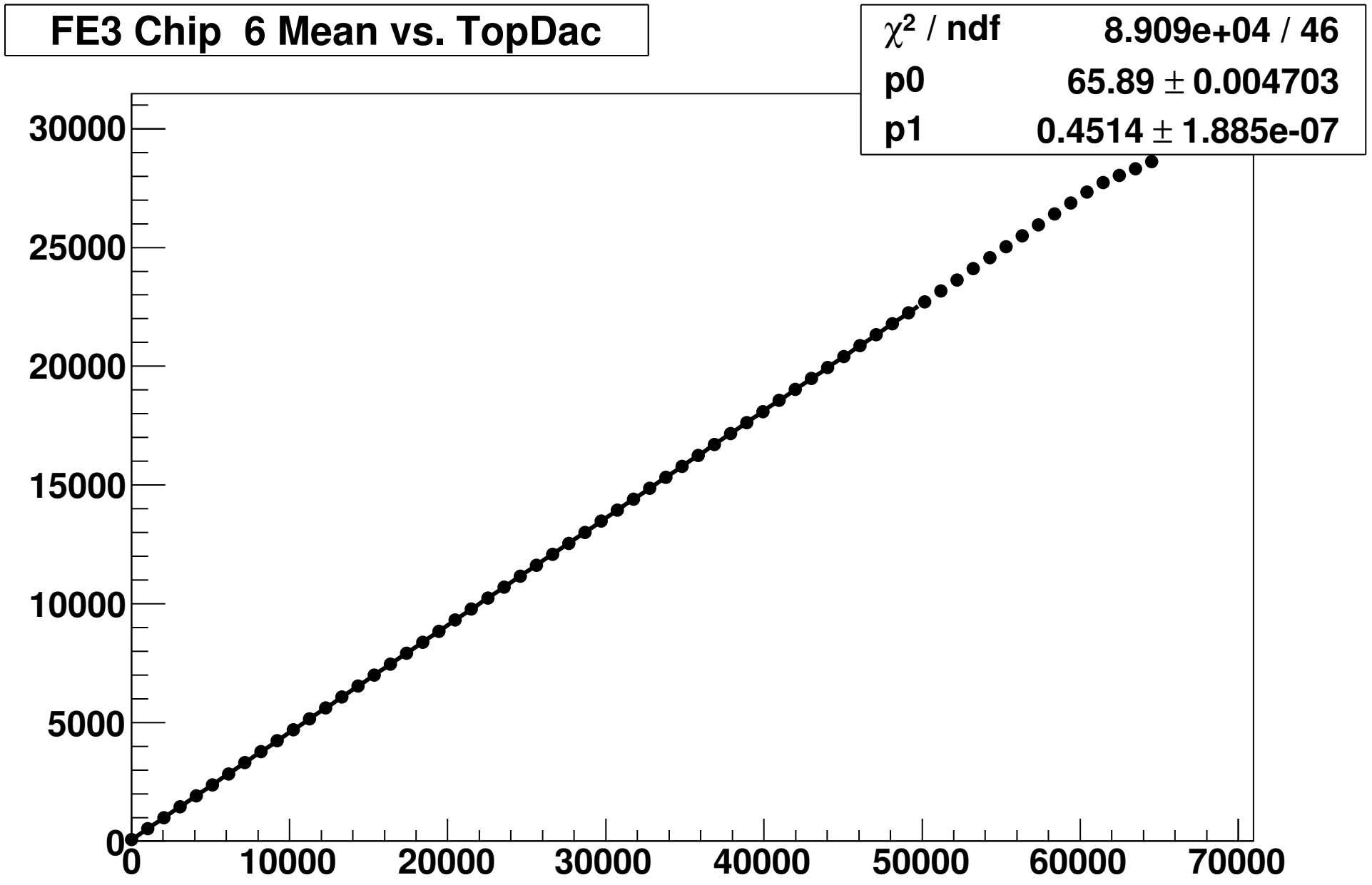
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 8.909e+04 / 46
p0 65.89 ± 0.004703
p1 0.4514 ± 1.885e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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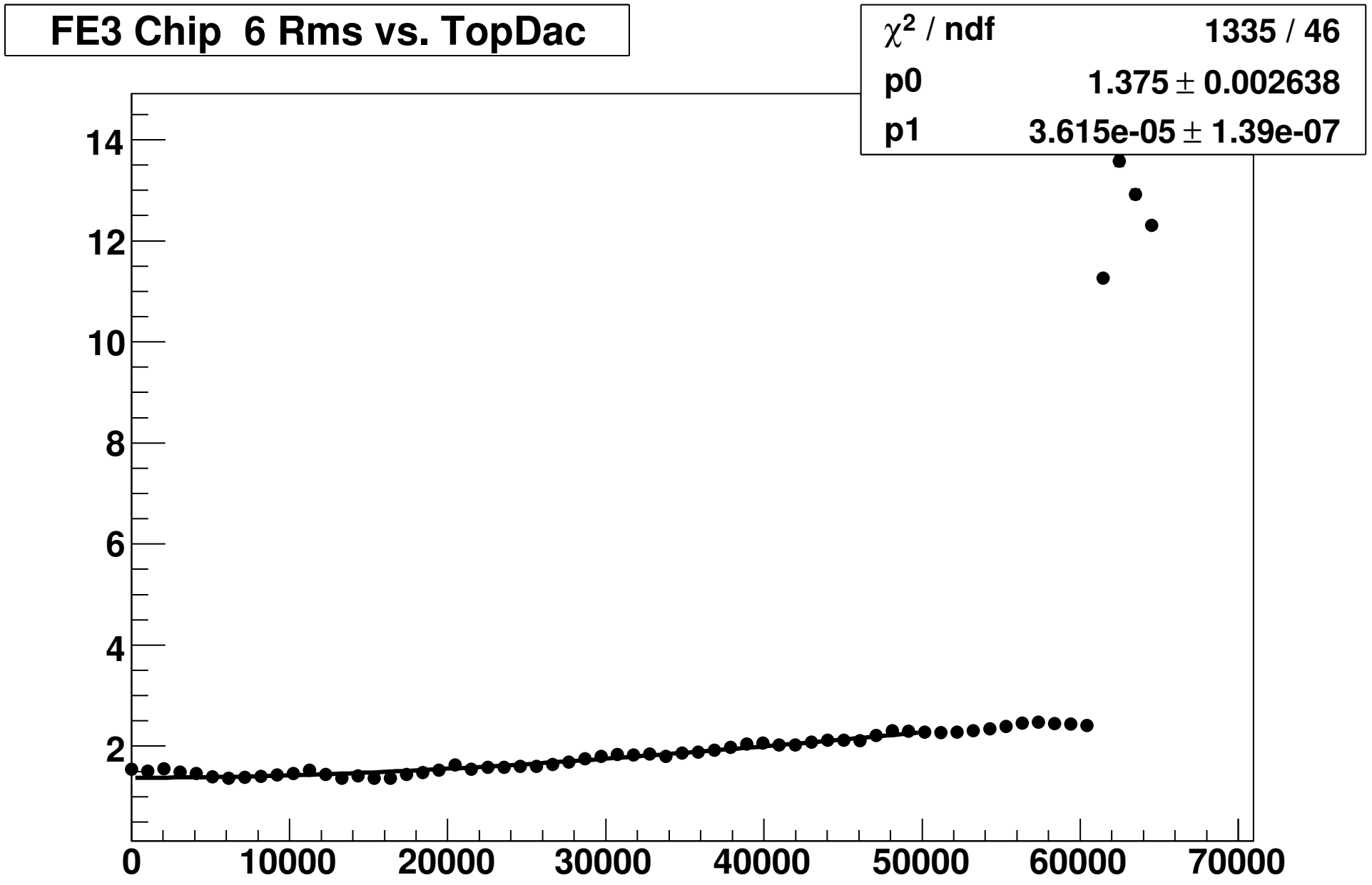
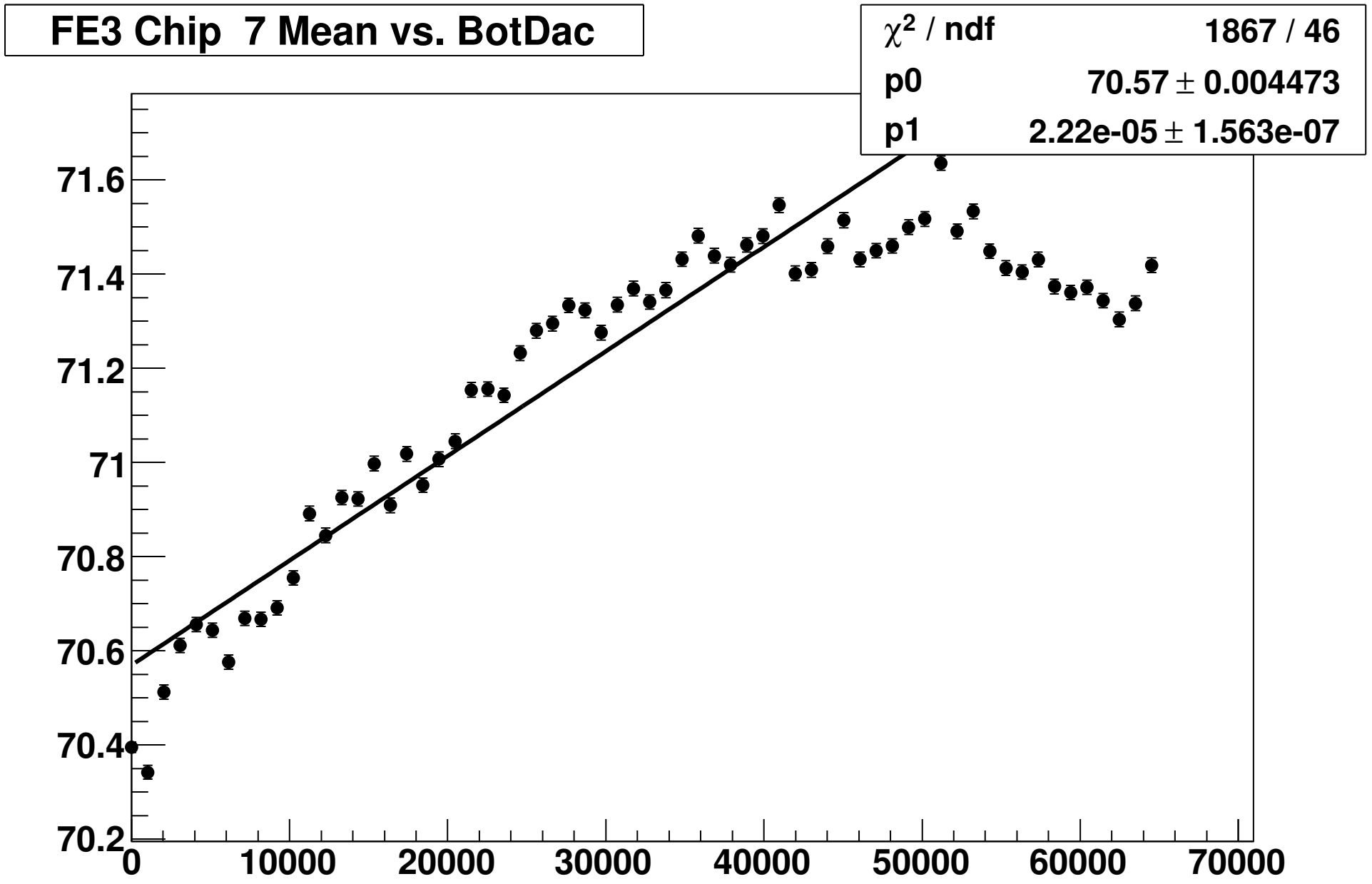
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1335 / 46
p0 1.375 ± 0.002638
p1 3.615e-05 ± 1.39e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1867 / 46
p0 70.57 ± 0.004473
p1 2.22e-05 ± 1.563e-07
71.6
71.4
71.2
71
70.8
70.6
70.4
70.2
0
10000
20000
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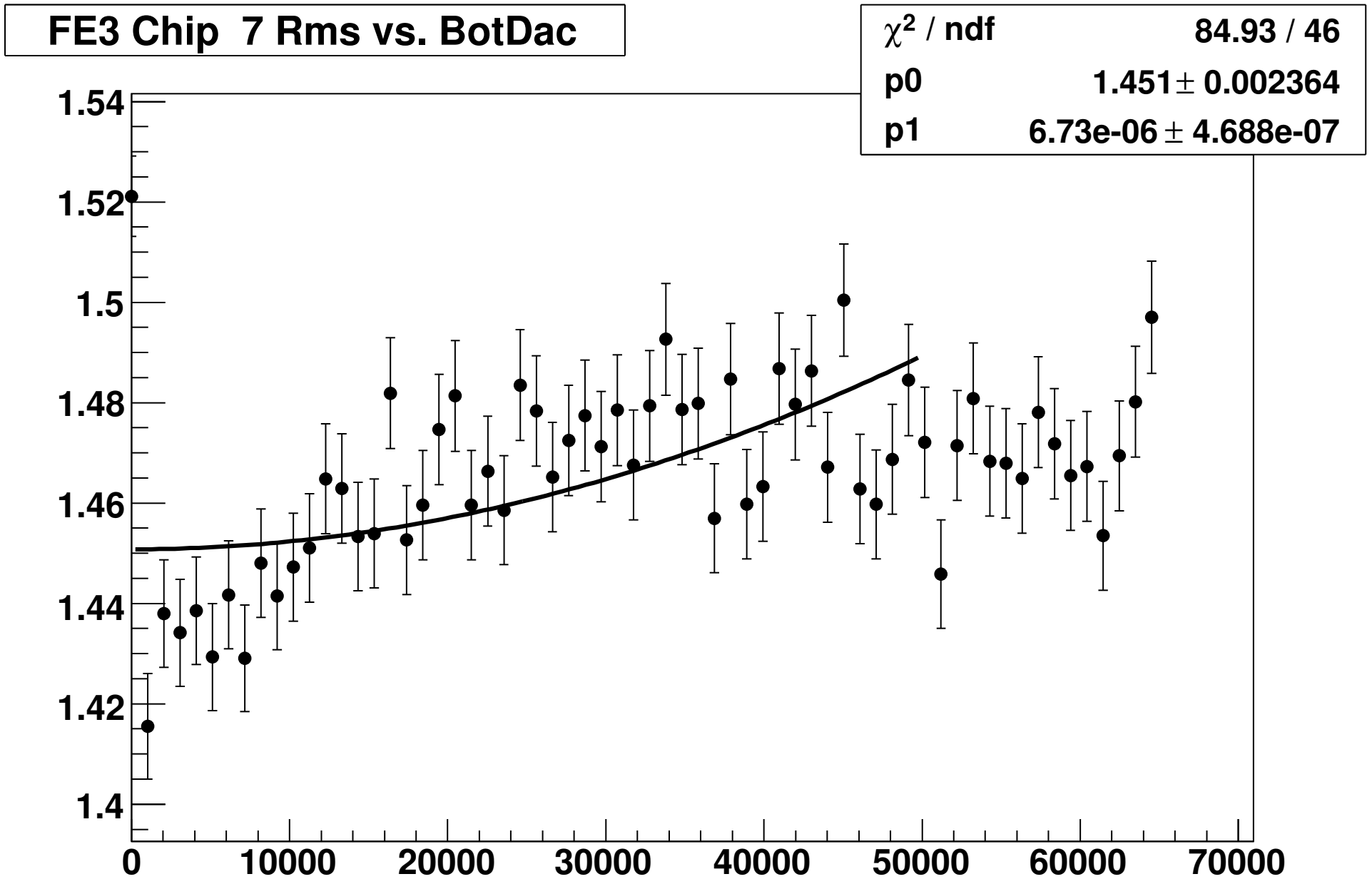
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 84.93 / 46
p0 1.451 ± 0.002364
p1 6.73e-06 ± 4.688e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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60000
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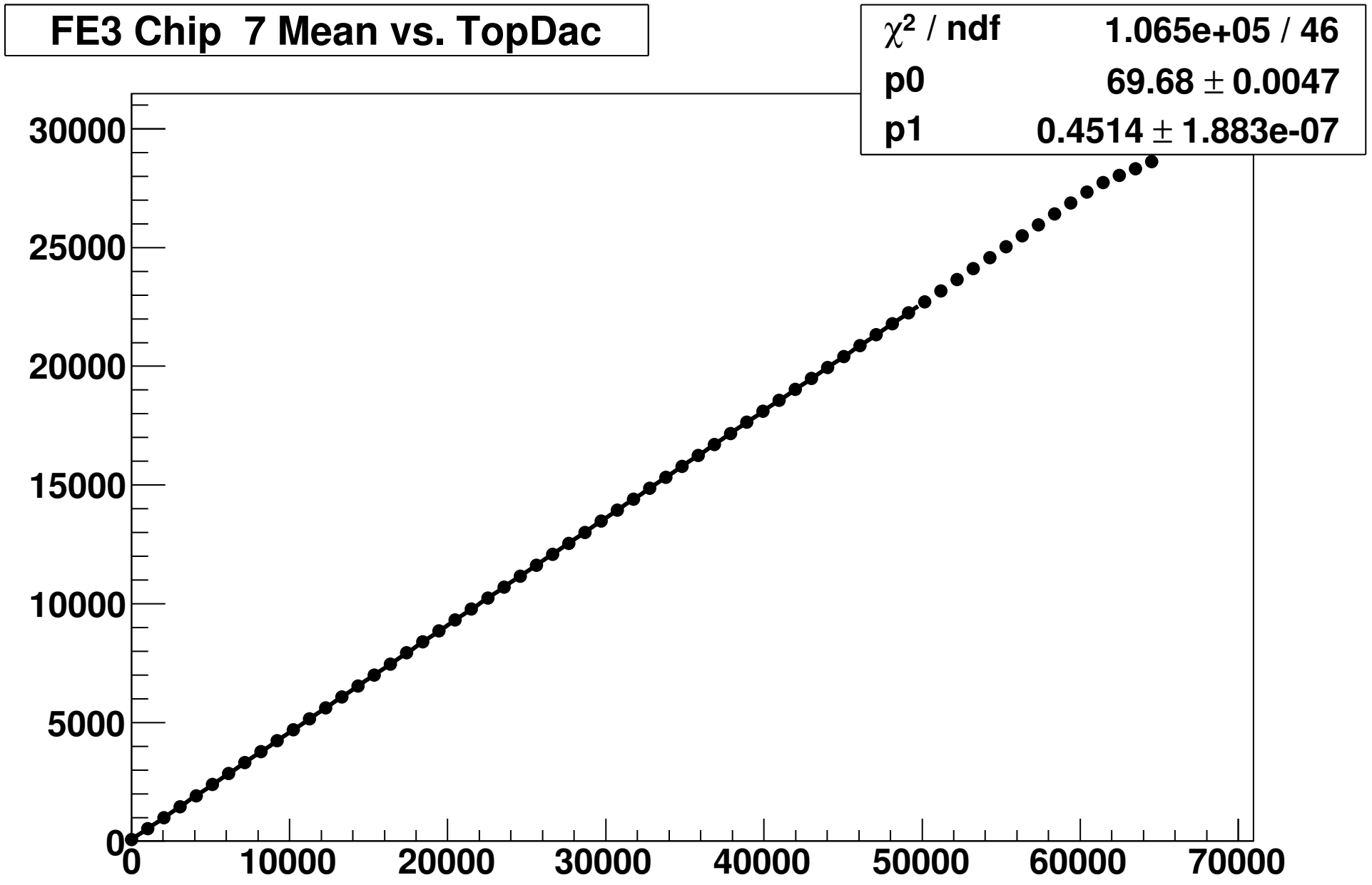
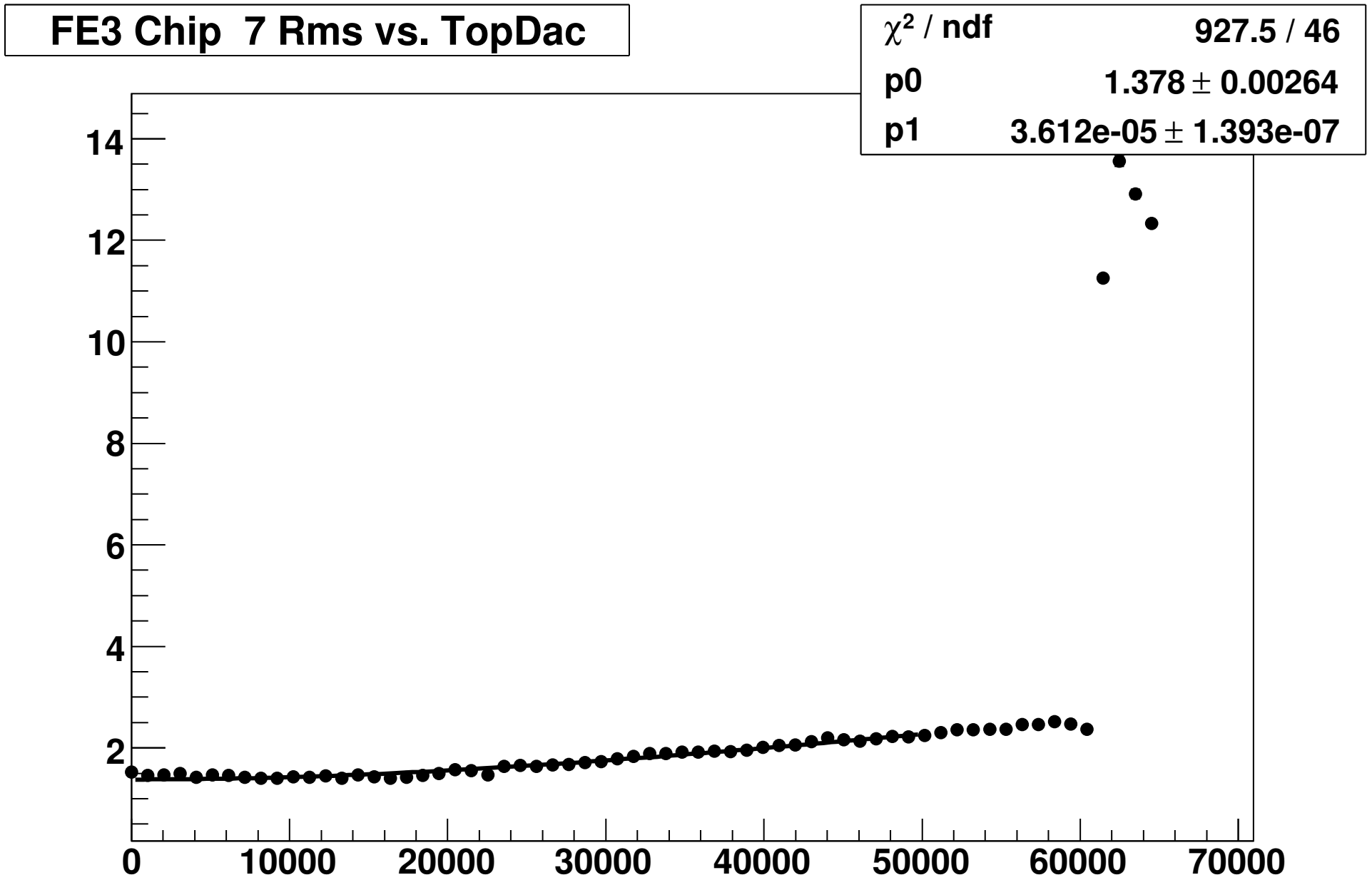

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.065e+05 / 46
p0 69.68 ± 0.0047
p1 0.4514 ± 1.883e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 927.5 / 46
p0 1.378 ± 0.00264
p1 3.612e-05 ± 1.393e-07
14
12
10
8
6
4
2
0
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20000
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40000
50000
60000
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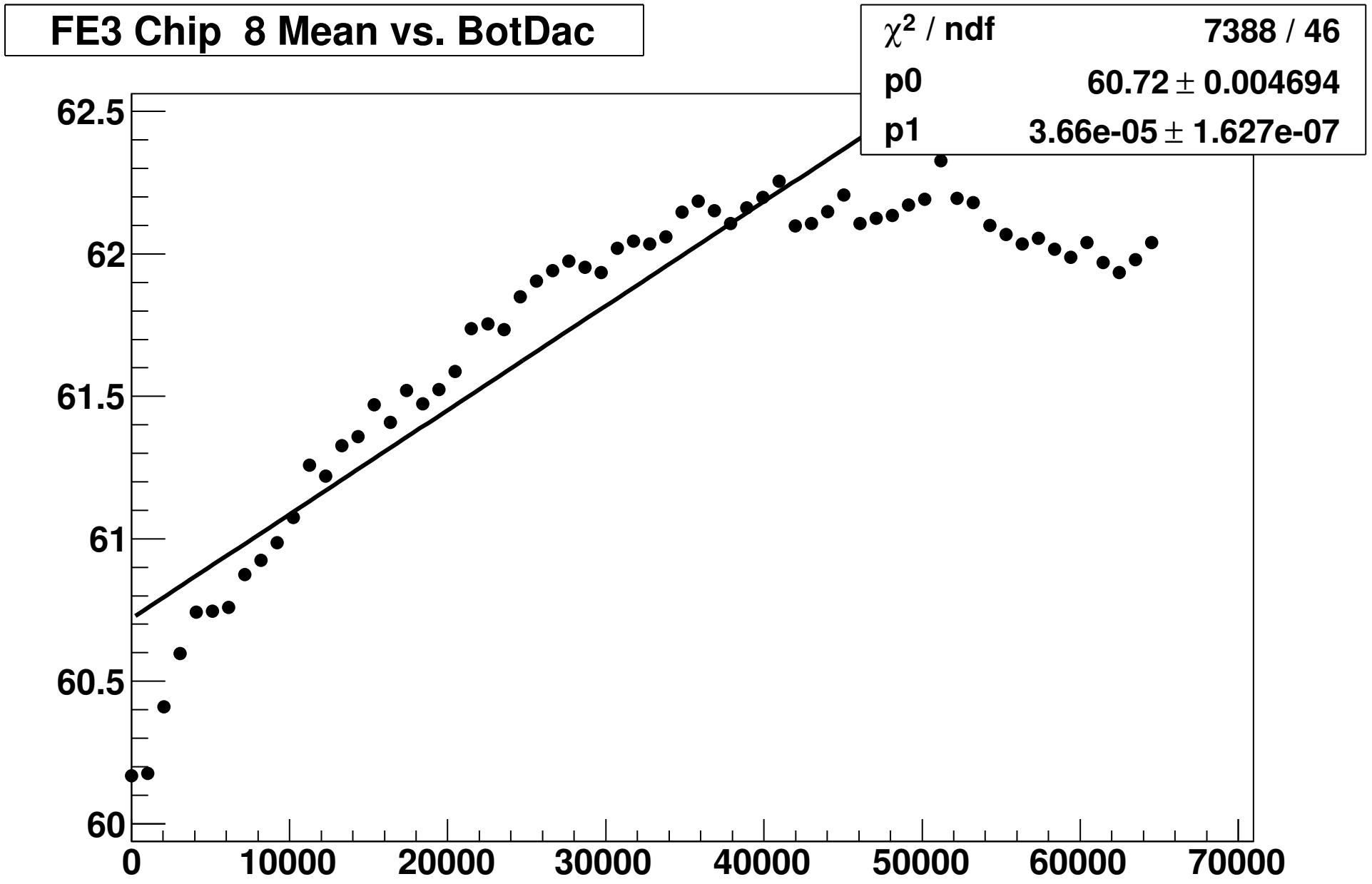
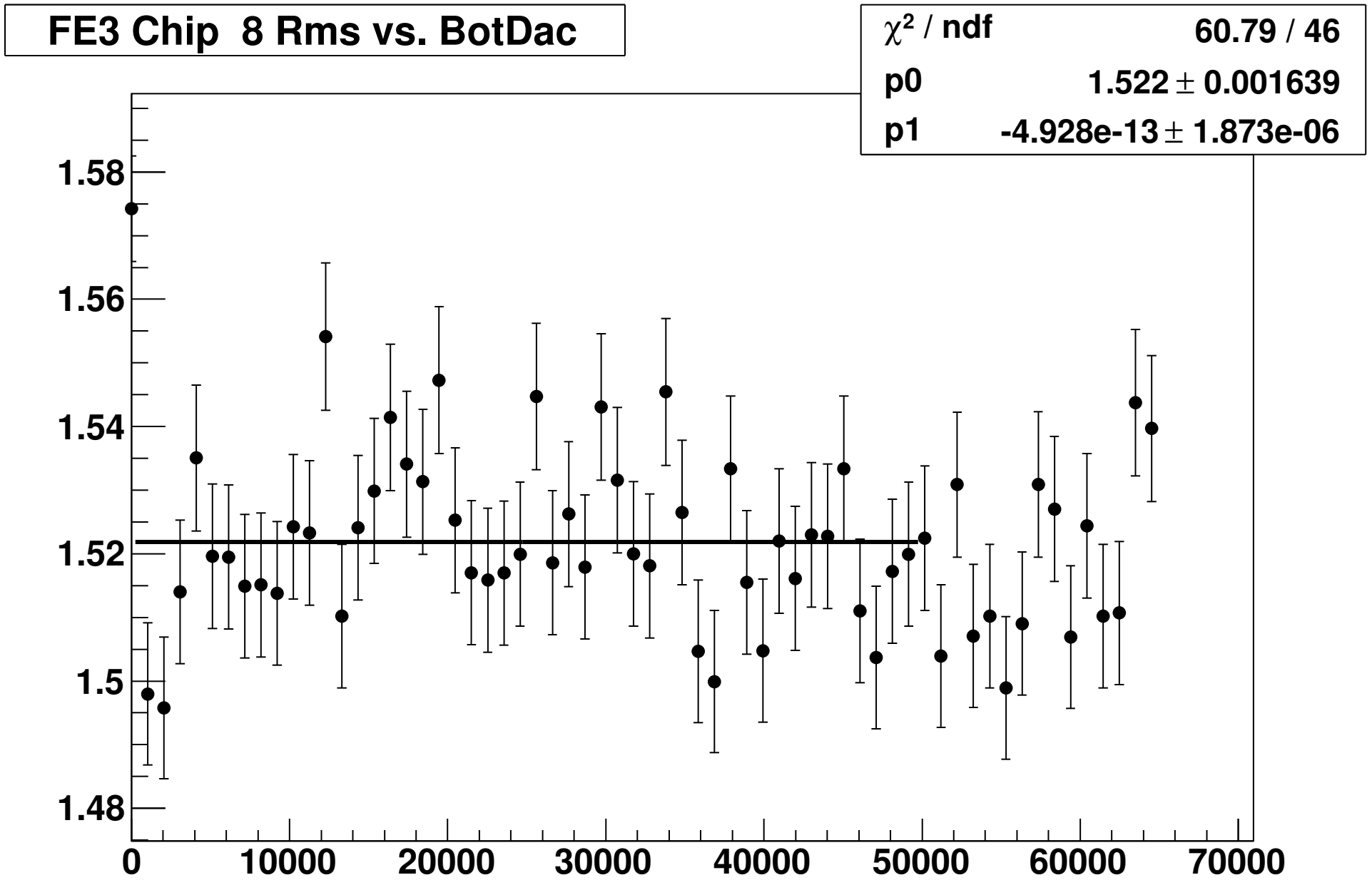
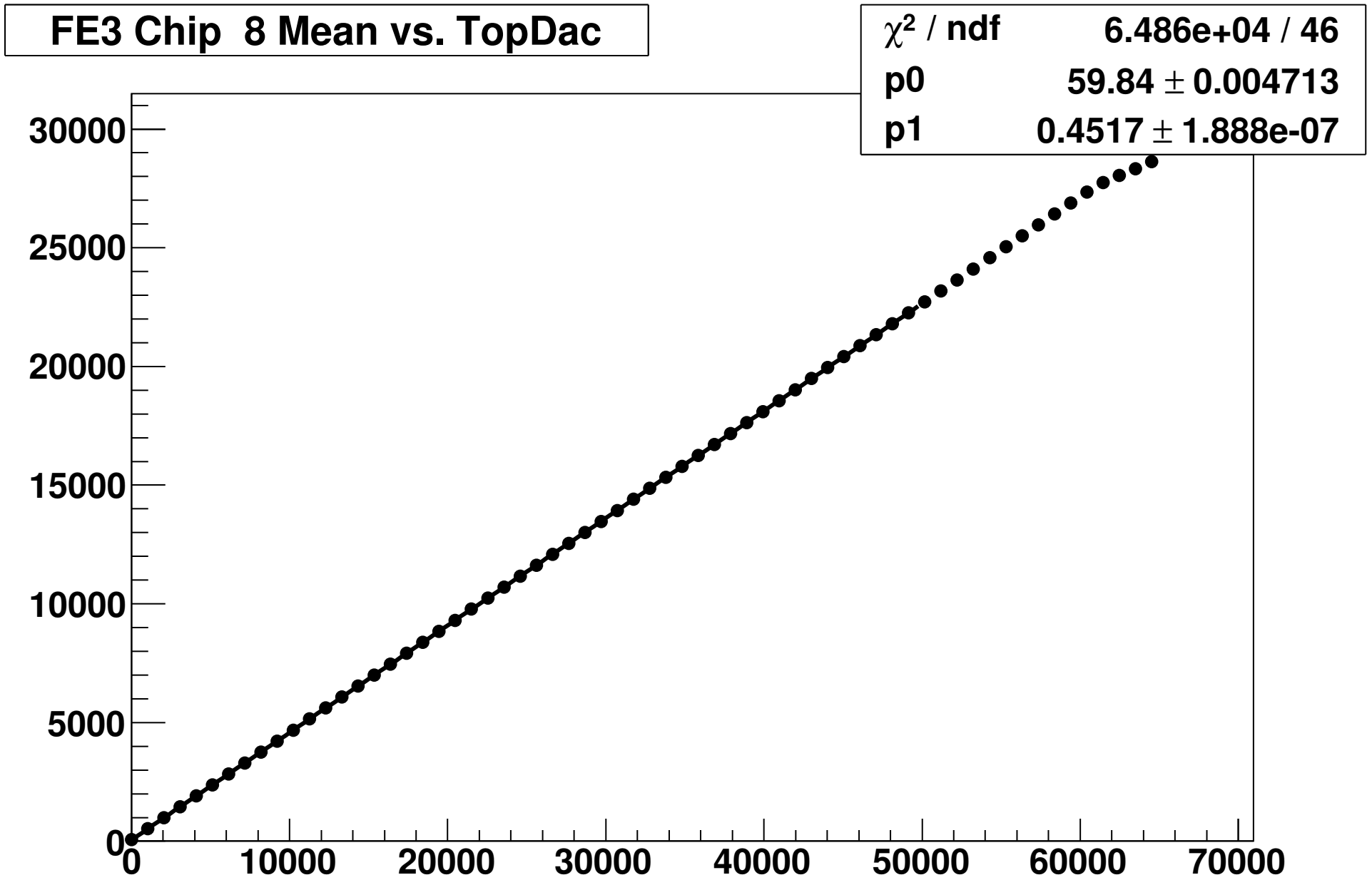
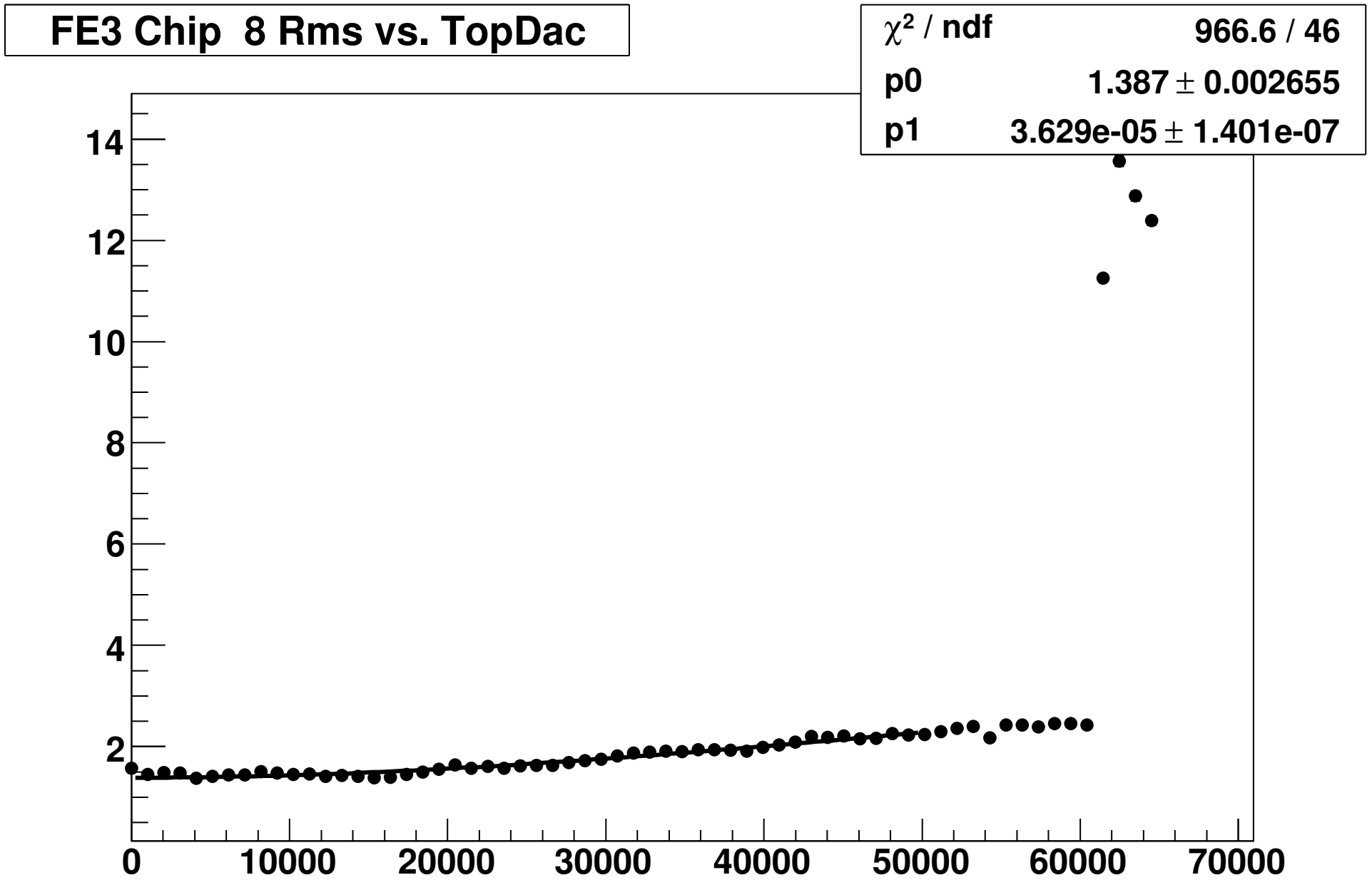
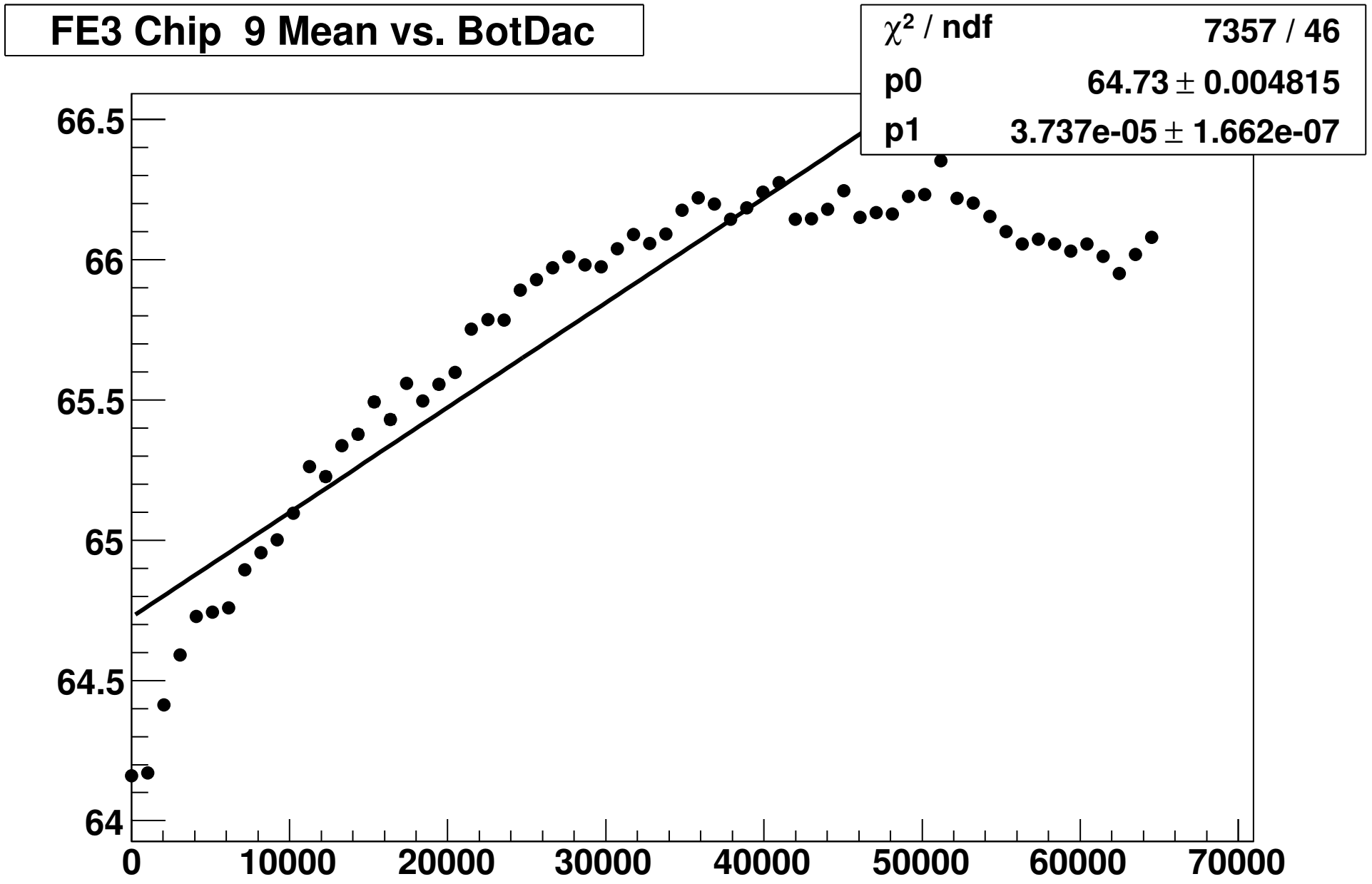

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 7388 / 46
p0 60.72 ± 0.004694
p1 3.66e-05 ± 1.627e-07
62.5
62
61.5
61
60.5
60
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 60.79 / 46
p0 1.522 ± 0.001639
p1 -4.928e-13 ± 1.873e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 6.486e+04 / 46
p0 59.84 ± 0.004713
p1 0.4517 ± 1.888e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 966.6 / 46
p0 1.387 ± 0.002655
p1 3.629e-05 ± 1.401e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 7357 / 46
p0 64.73 ± 0.004815
p1 3.737e-05 ± 1.662e-07
66.5
66
65.5
65
64.5
64
0
10000
20000
30000
40000
50000
60000
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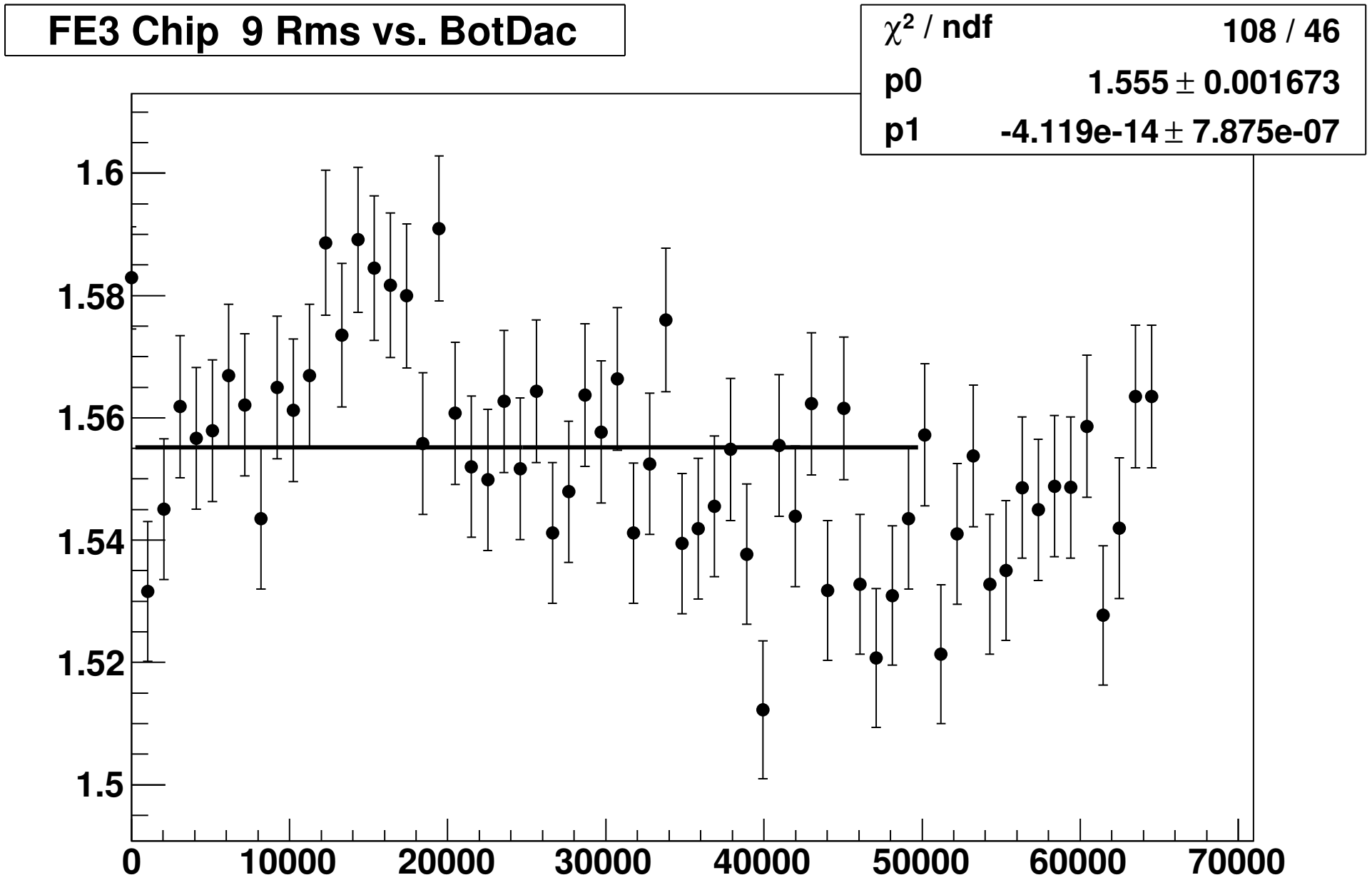
FE3 Chip 9 Rms vs. BotDac
χ² / ndf 108 / 46
p0 1.555 ± 0.001673
p1 -4.119e-14 ± 7.875e-07
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
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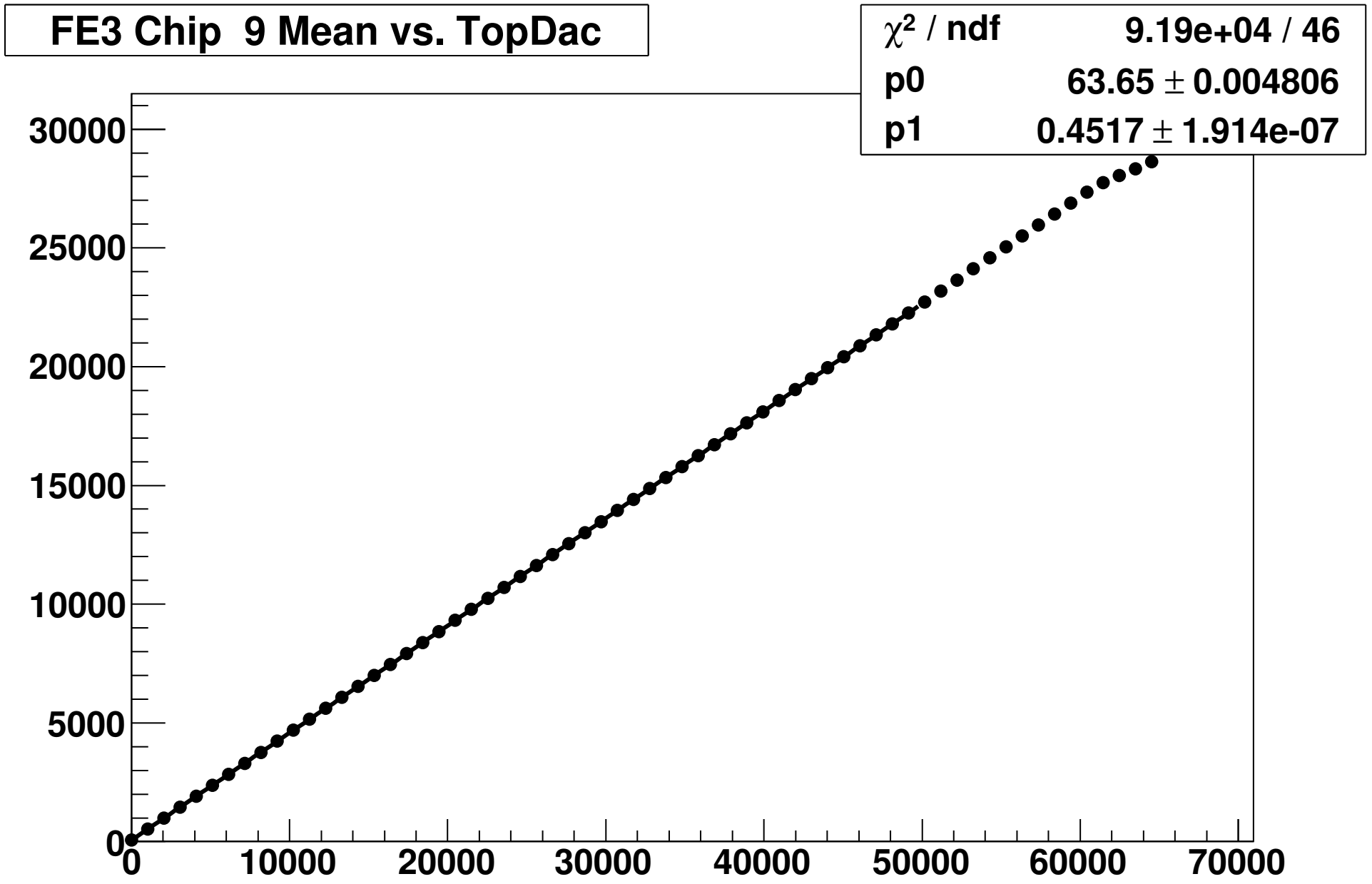
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 9.19e+04 / 46
p0 63.65 ± 0.004806
p1 0.4517 ± 1.914e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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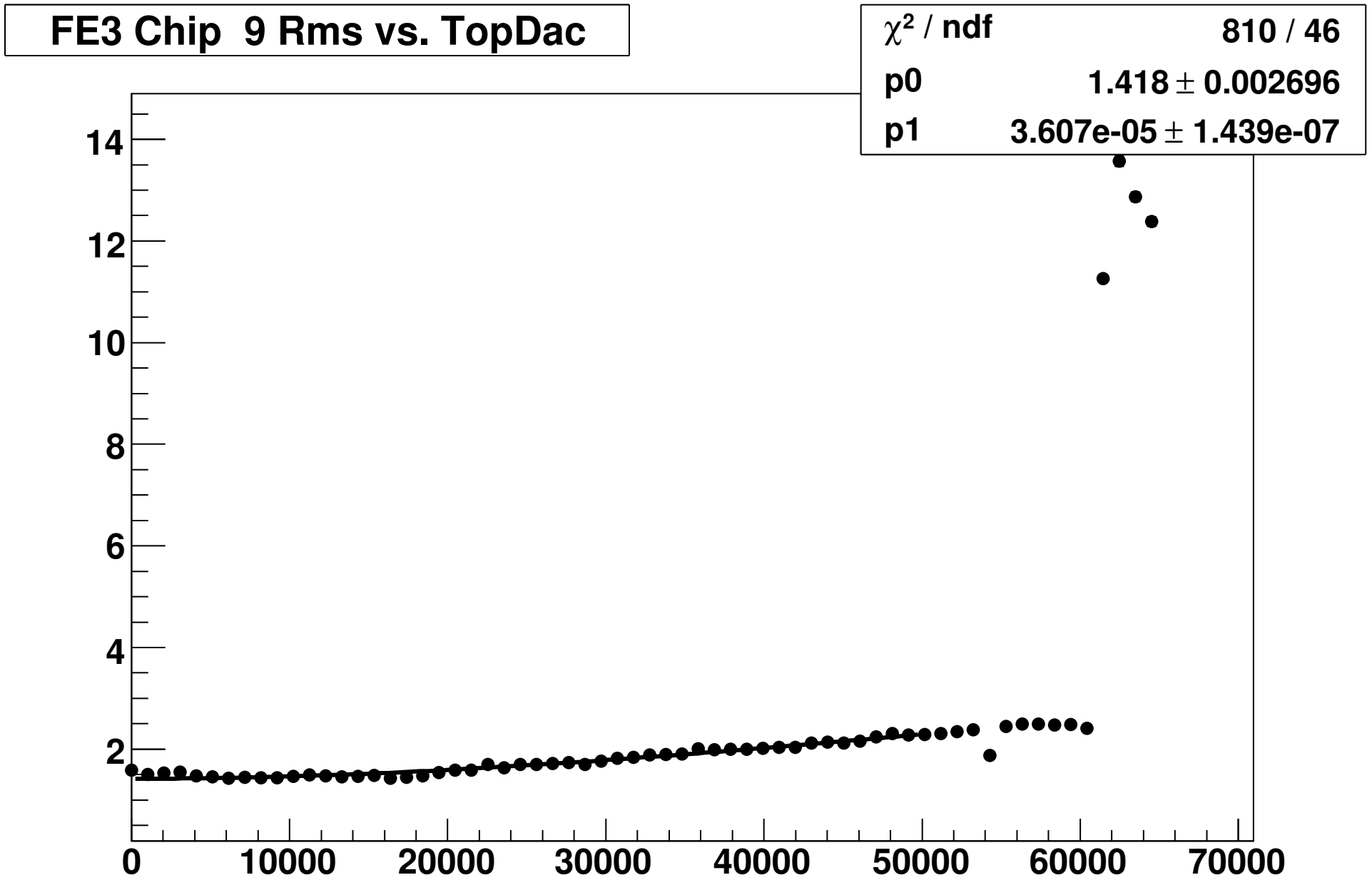
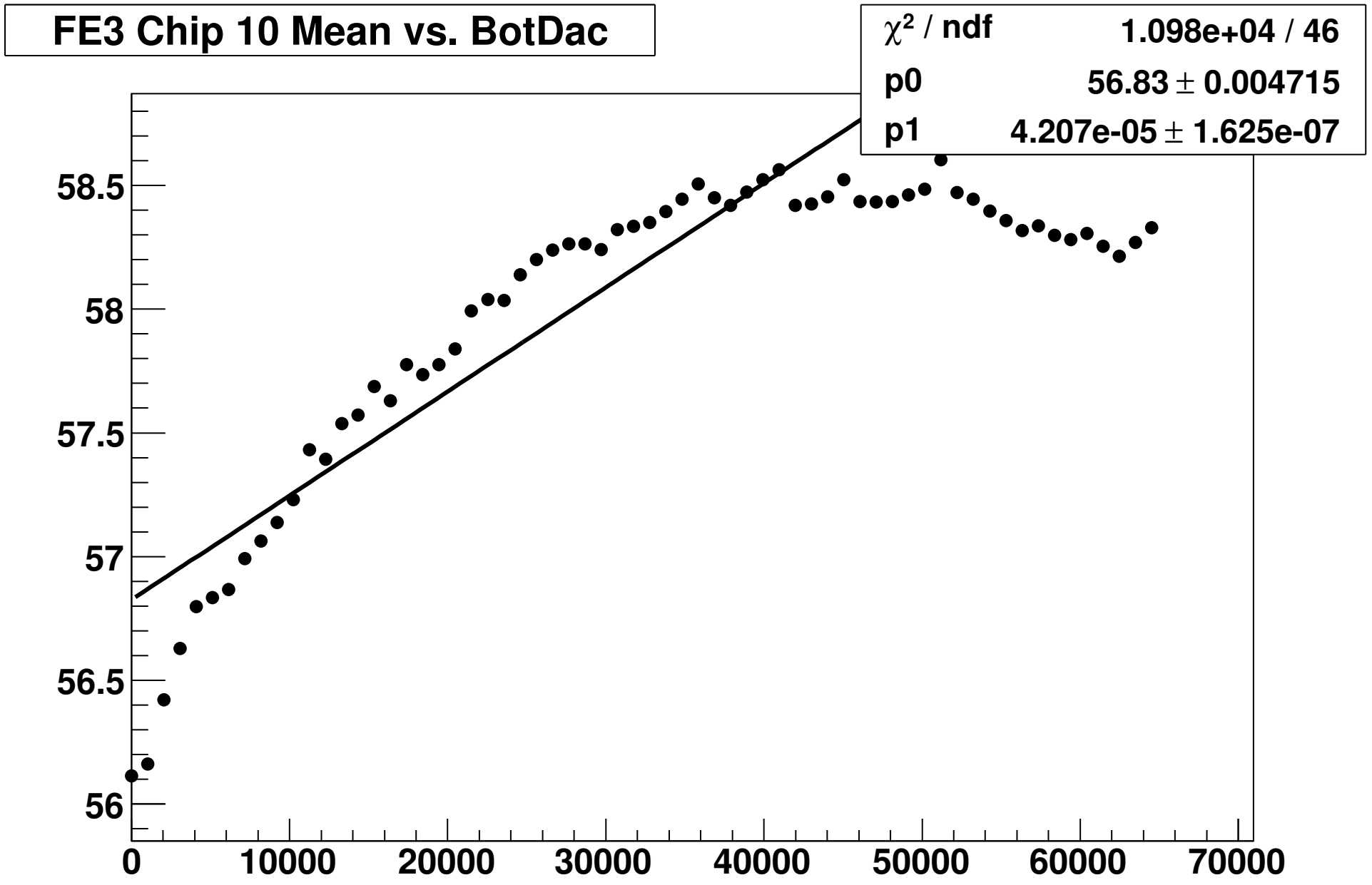
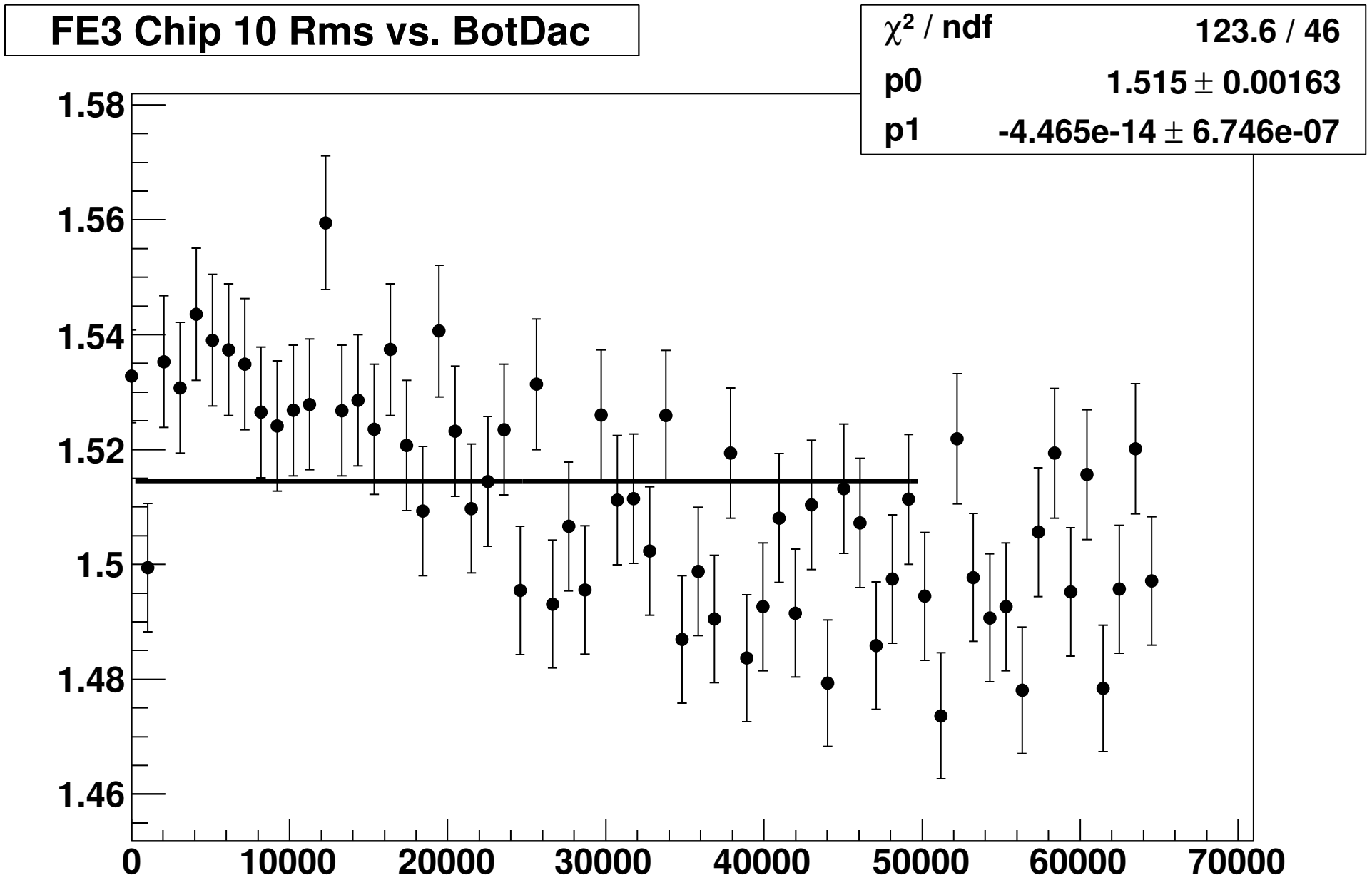
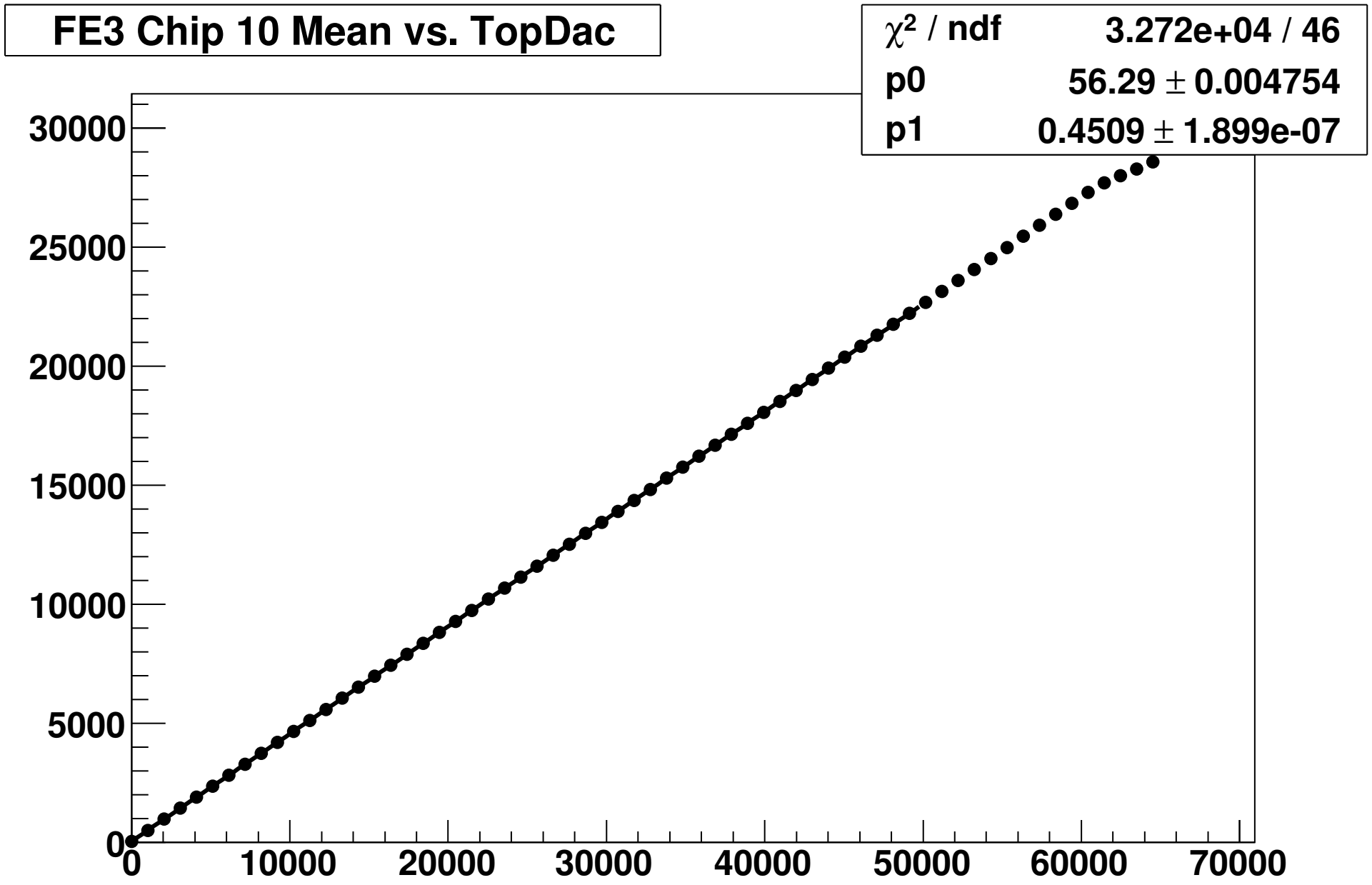

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 810 / 46
p0 1.418 ± 0.002696
p1 3.607e-05 ± 1.439e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1.098e+04 / 46
p0 56.83 ± 0.004715
p1 4.207e-05 ± 1.625e-07
58.5
58
57.5
57
56.5
56
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 123.6 / 46
p0 1.515 ± 0.00163
p1 -4.465e-14 ± 6.746e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 3.272e+04 / 46
p0 56.29 ± 0.004754
p1 0.4509 ± 1.899e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
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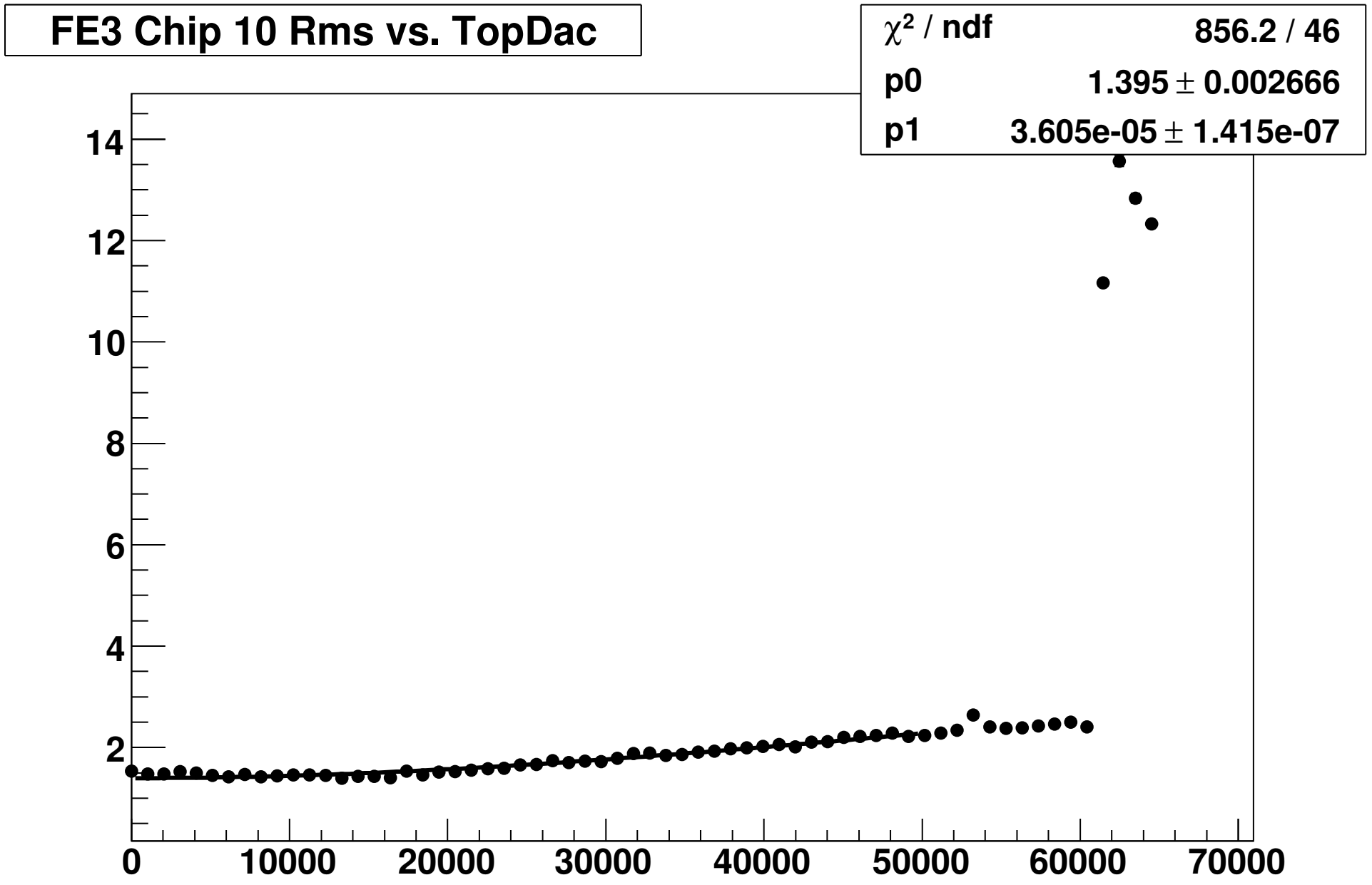
FE3 Chip 10 Rms vs. TopDac
χ² / ndf 856.2 / 46
p0 1.395 ± 0.002666
p1 3.605e-05 ± 1.415e-07
14
12
10
8
6
4
2
0
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20000
30000
40000
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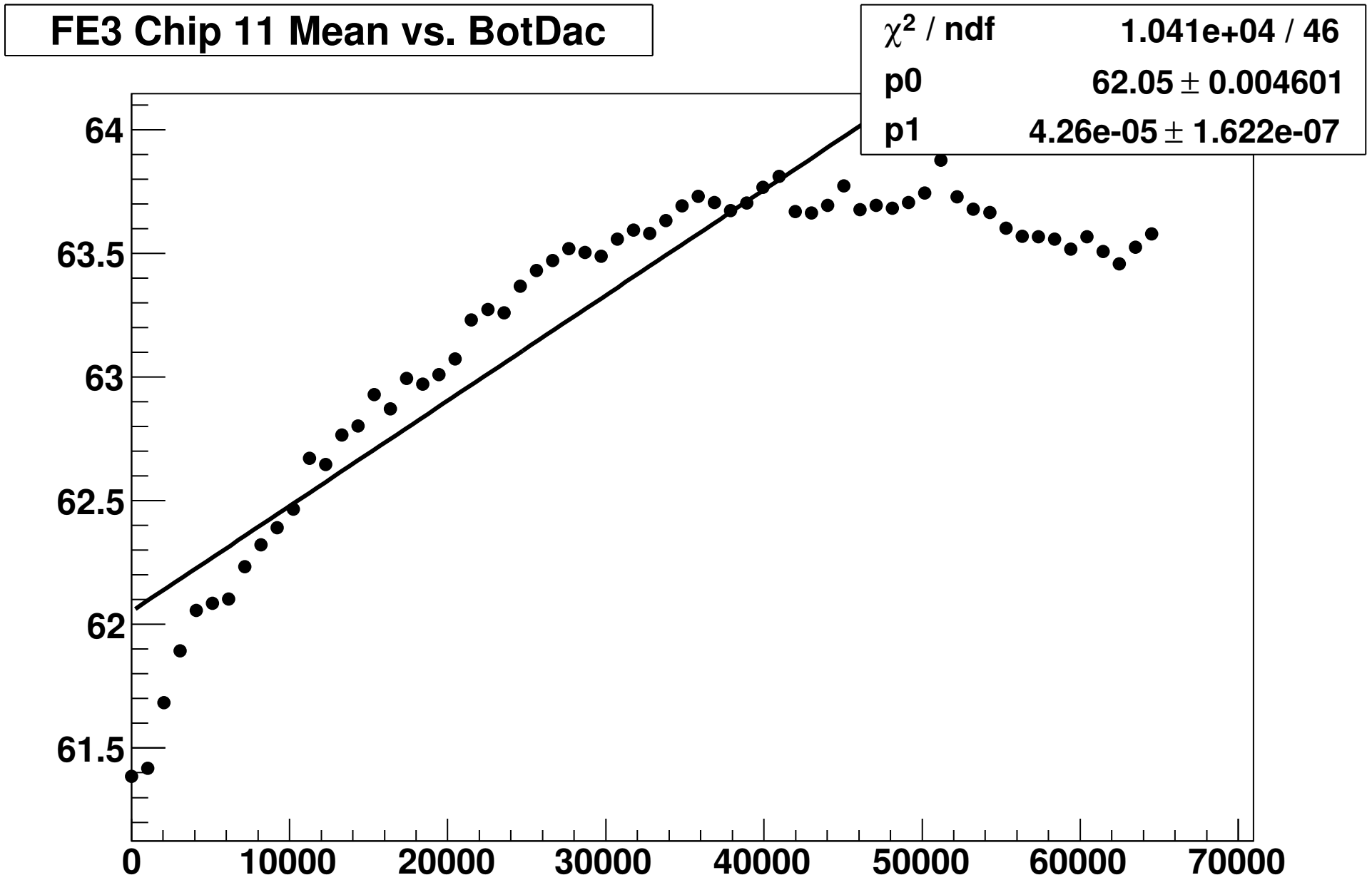
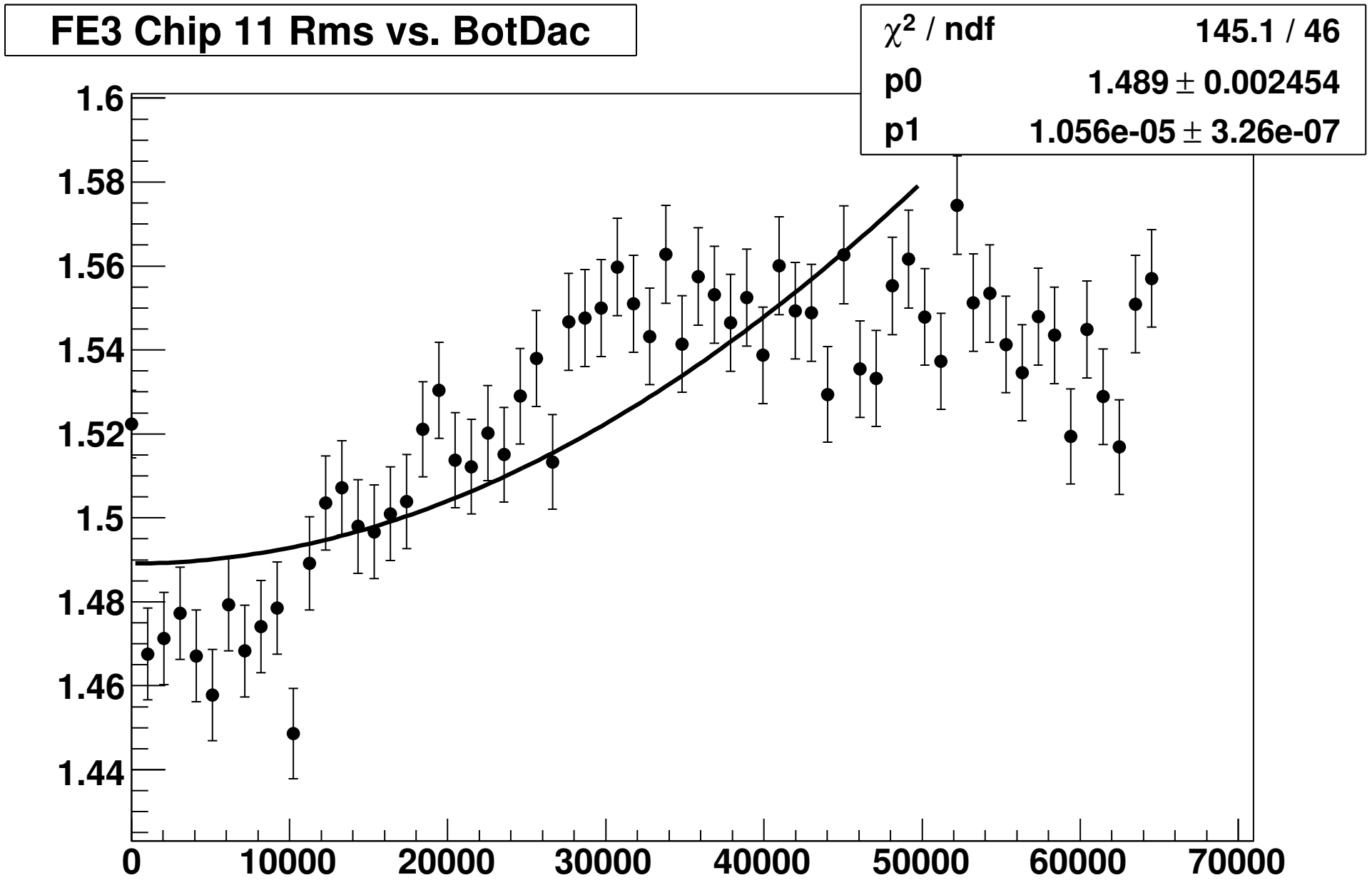

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 1.041e+04 / 46
p0 62.05 ± 0.004601
p1 4.26e-05 ± 1.622e-07
64
63.5
63
62.5
62
61.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 145.1 / 46
p0 1.489 ± 0.002454
p1 1.056e-05 ± 3.26e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
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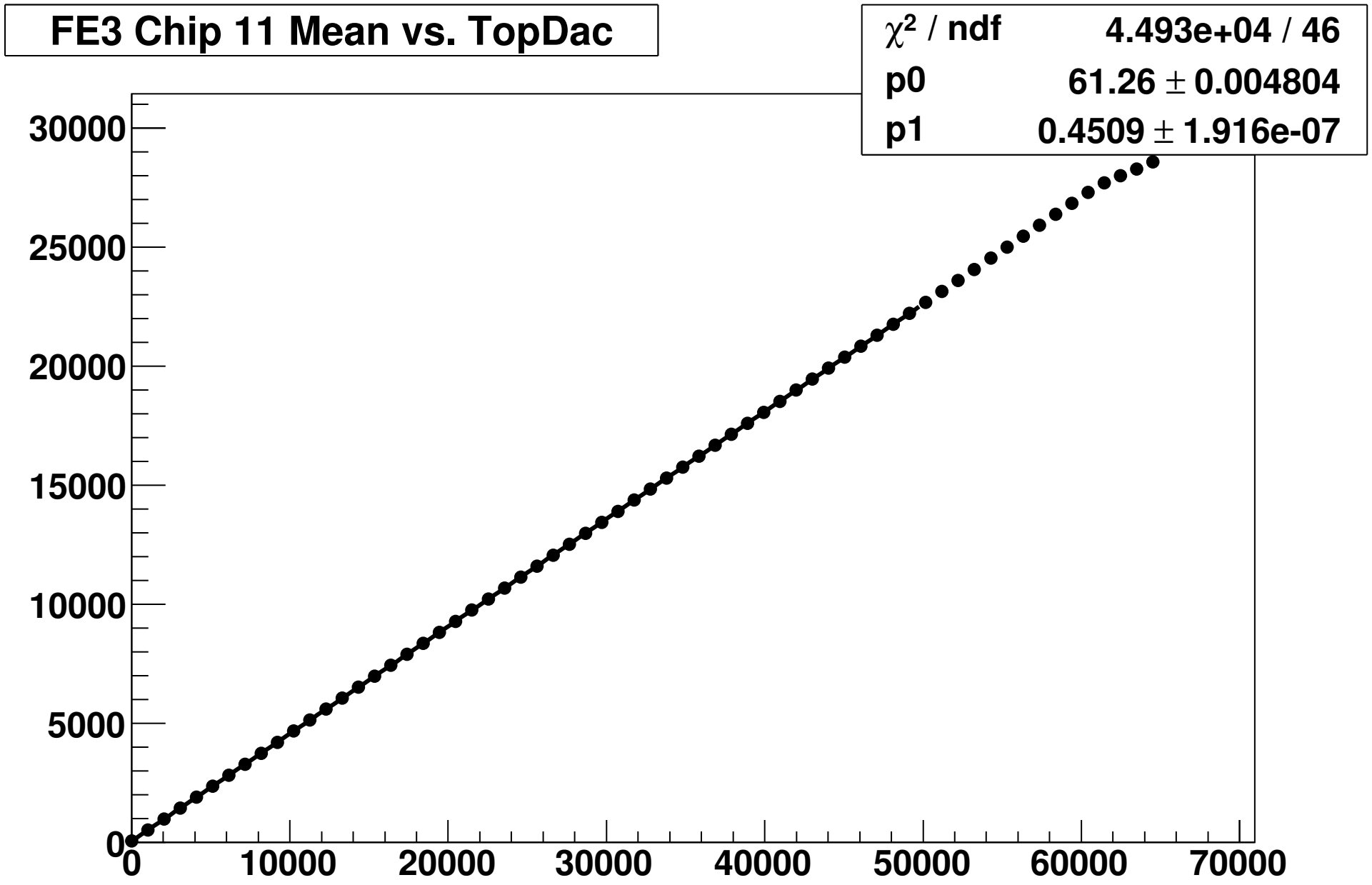
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.493e+04 / 46
p0 61.26 ± 0.004804
p1 0.4509 ± 1.916e-07
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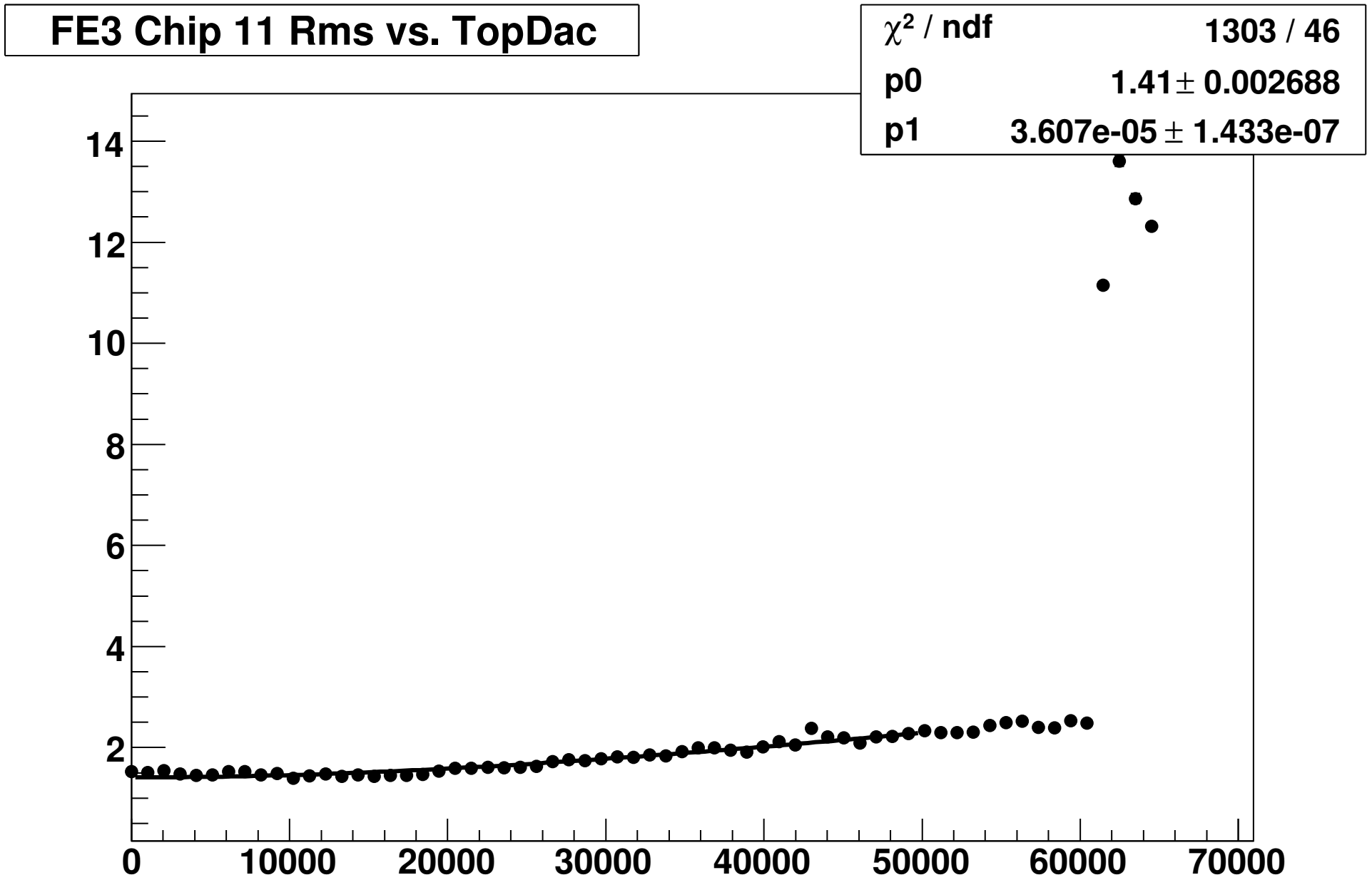
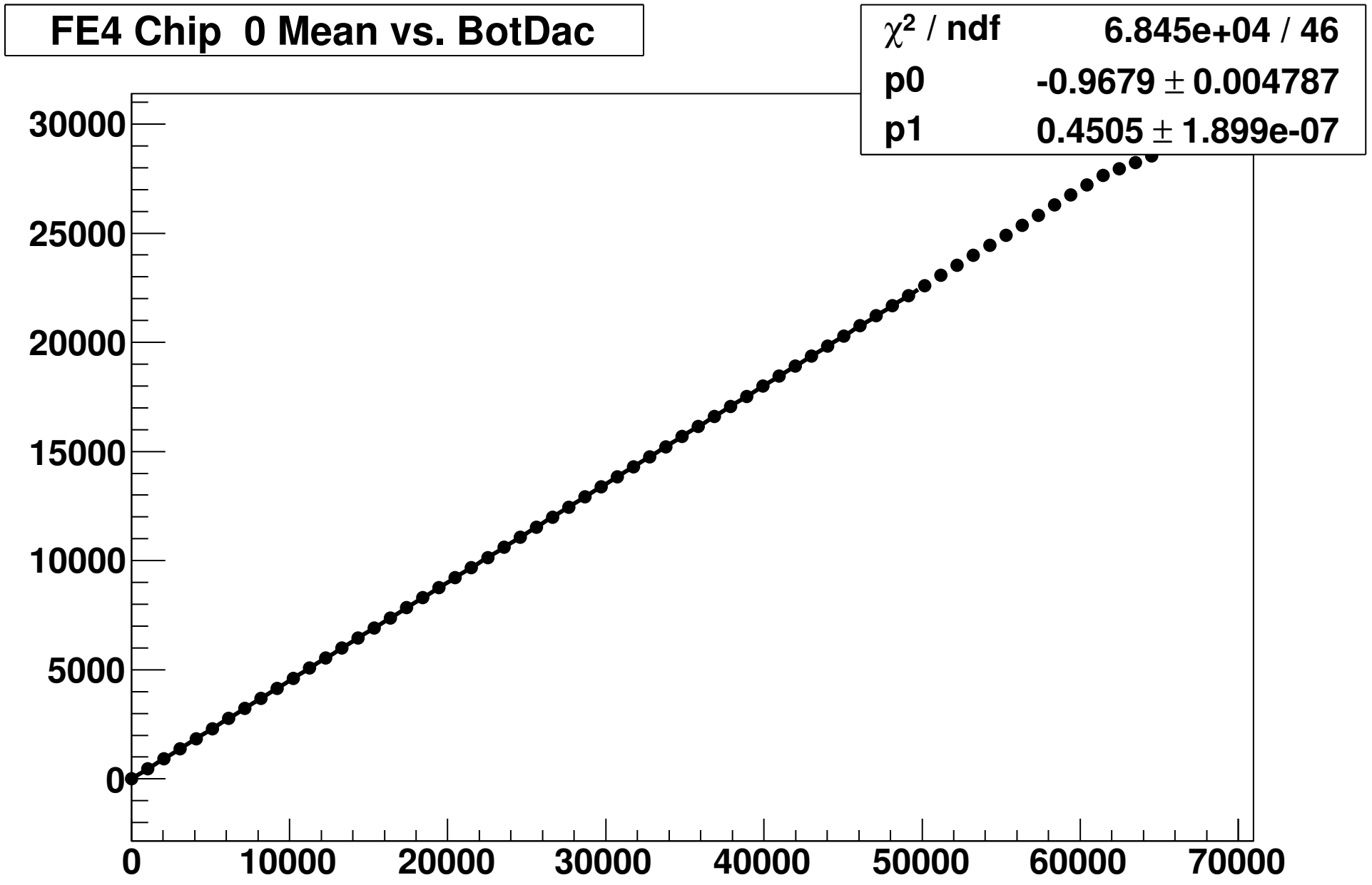
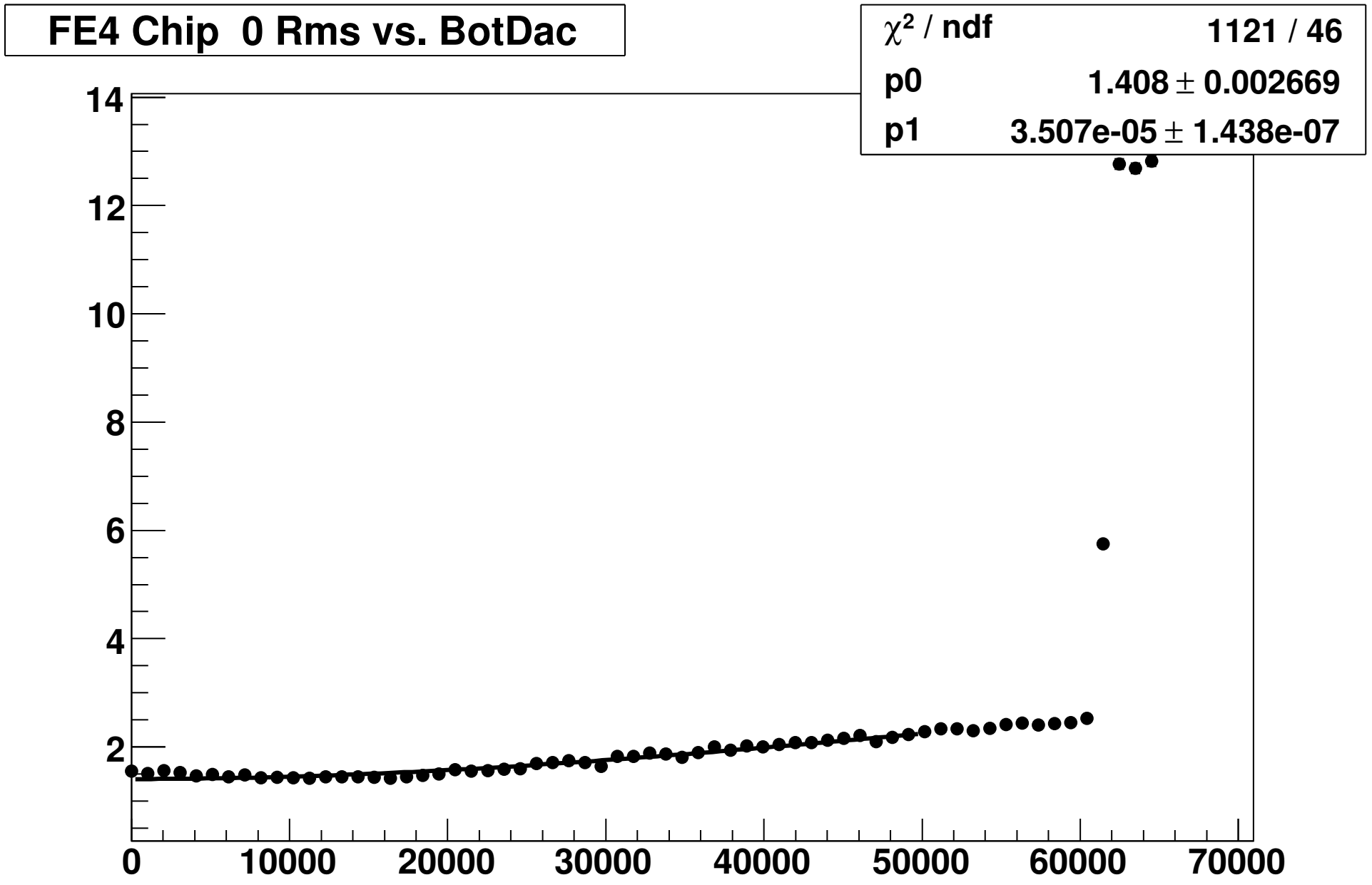
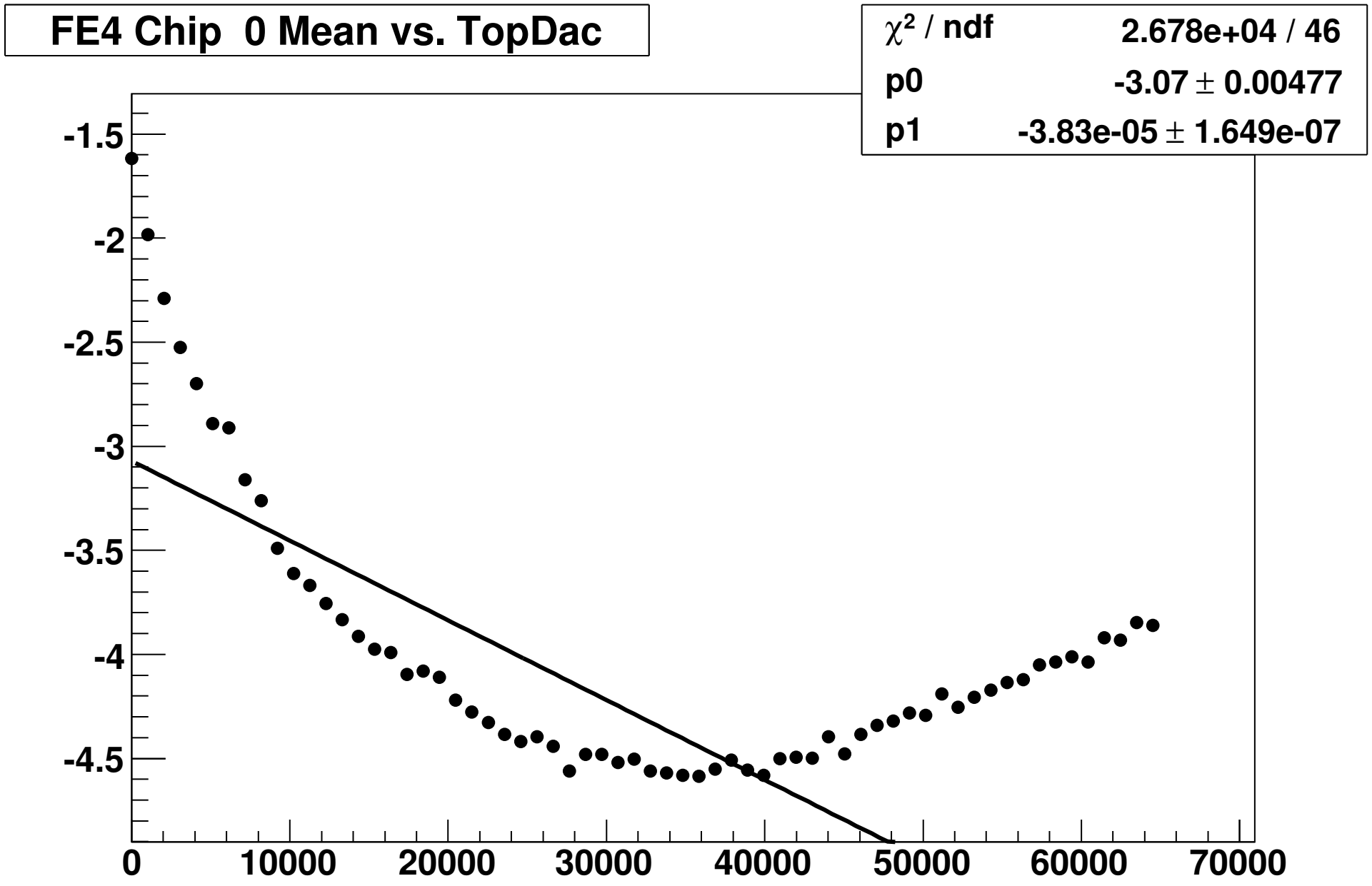
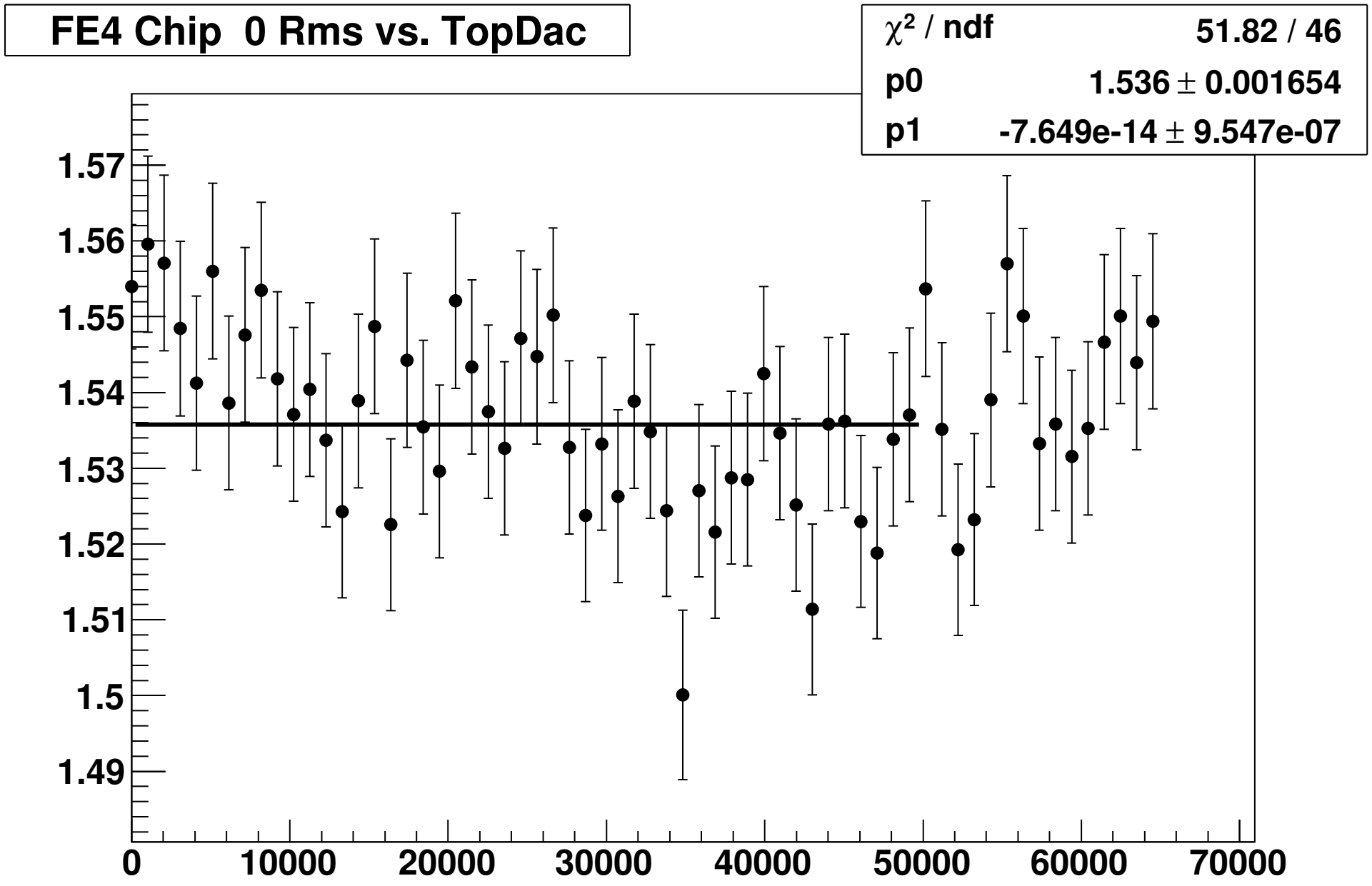
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

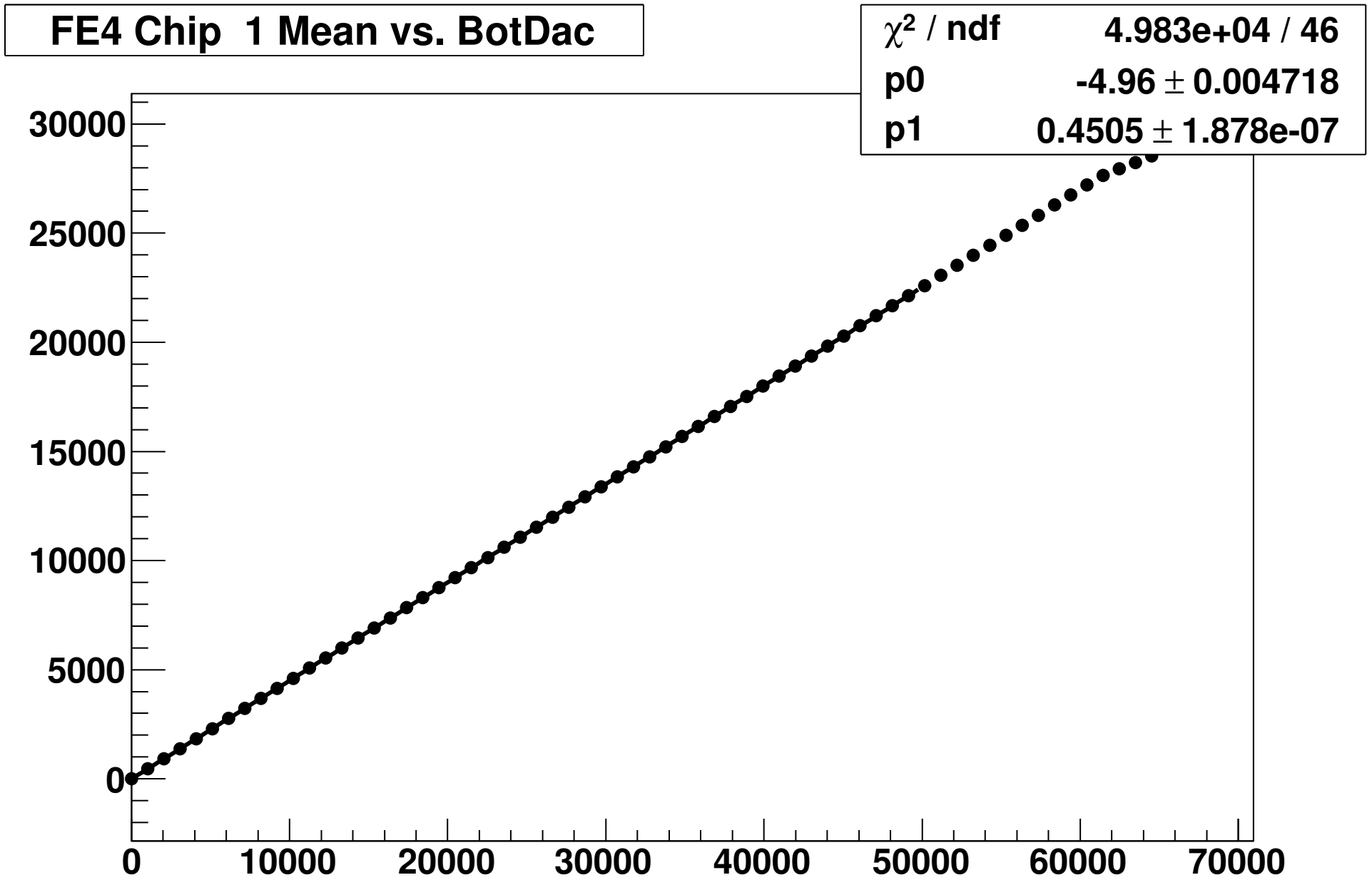

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1303 / 46
p0 1.41 ± 0.002688
p1 3.607e-05 ± 1.433e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 6.845e+04 / 46
p0 -0.9679 ± 0.004787
p1 0.4505 ± 1.899e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1121 / 46
p0 1.408 ± 0.002669
p1 3.507e-05 ± 1.438e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 2.678e+04 / 46
p0 -3.07 ± 0.00477
p1 -3.83e-05 ± 1.649e-07
-1.5
-2
-2.5
-3
-3.5
-4
-4.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 51.82 / 46
p0 1.536 ± 0.001654
p1 -7.649e-14 ± 9.547e-07
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


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 4.983e+04 / 46
p0 -4.96 ± 0.004718
p1 0.4505 ± 1.878e-07
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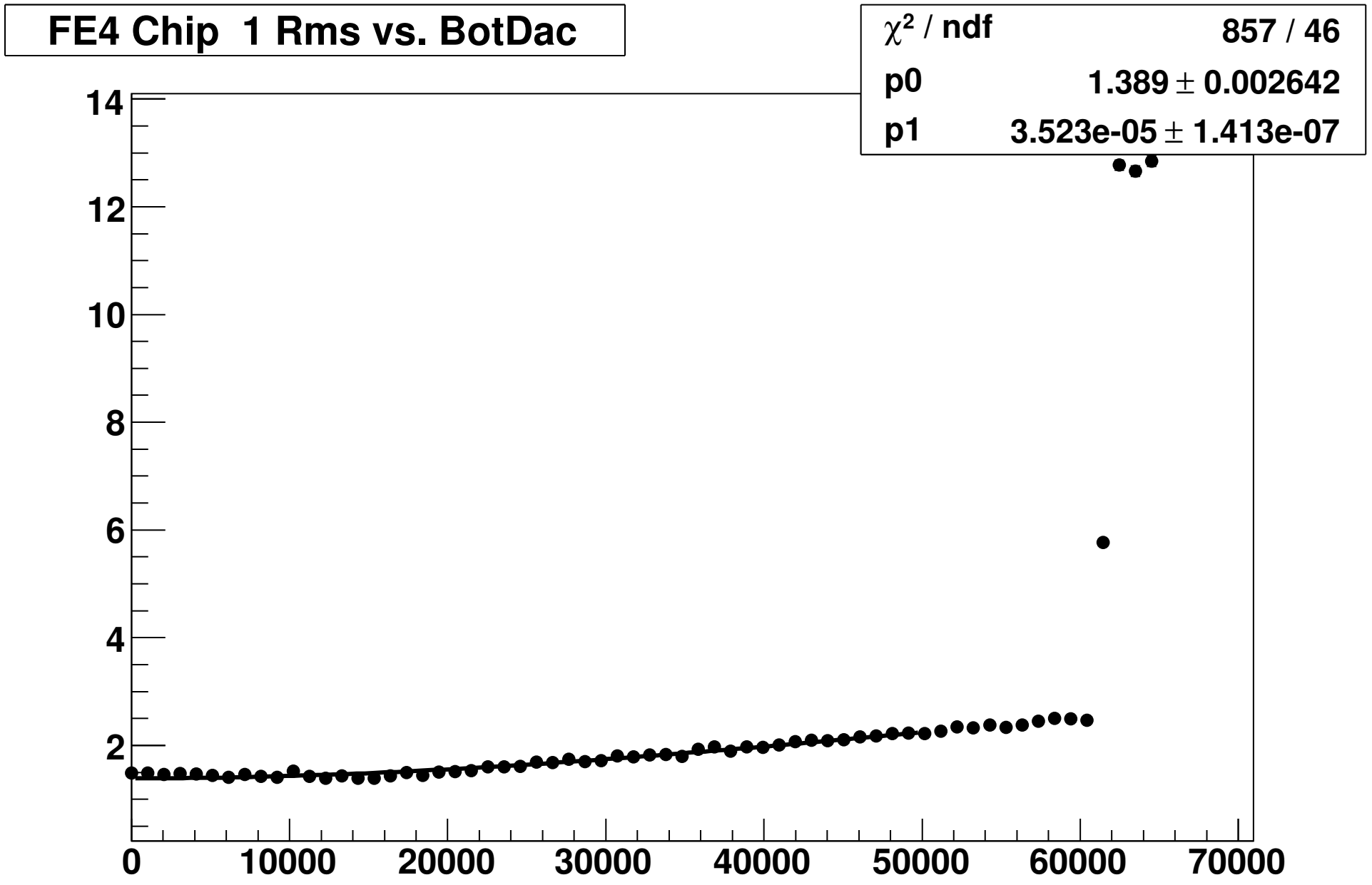
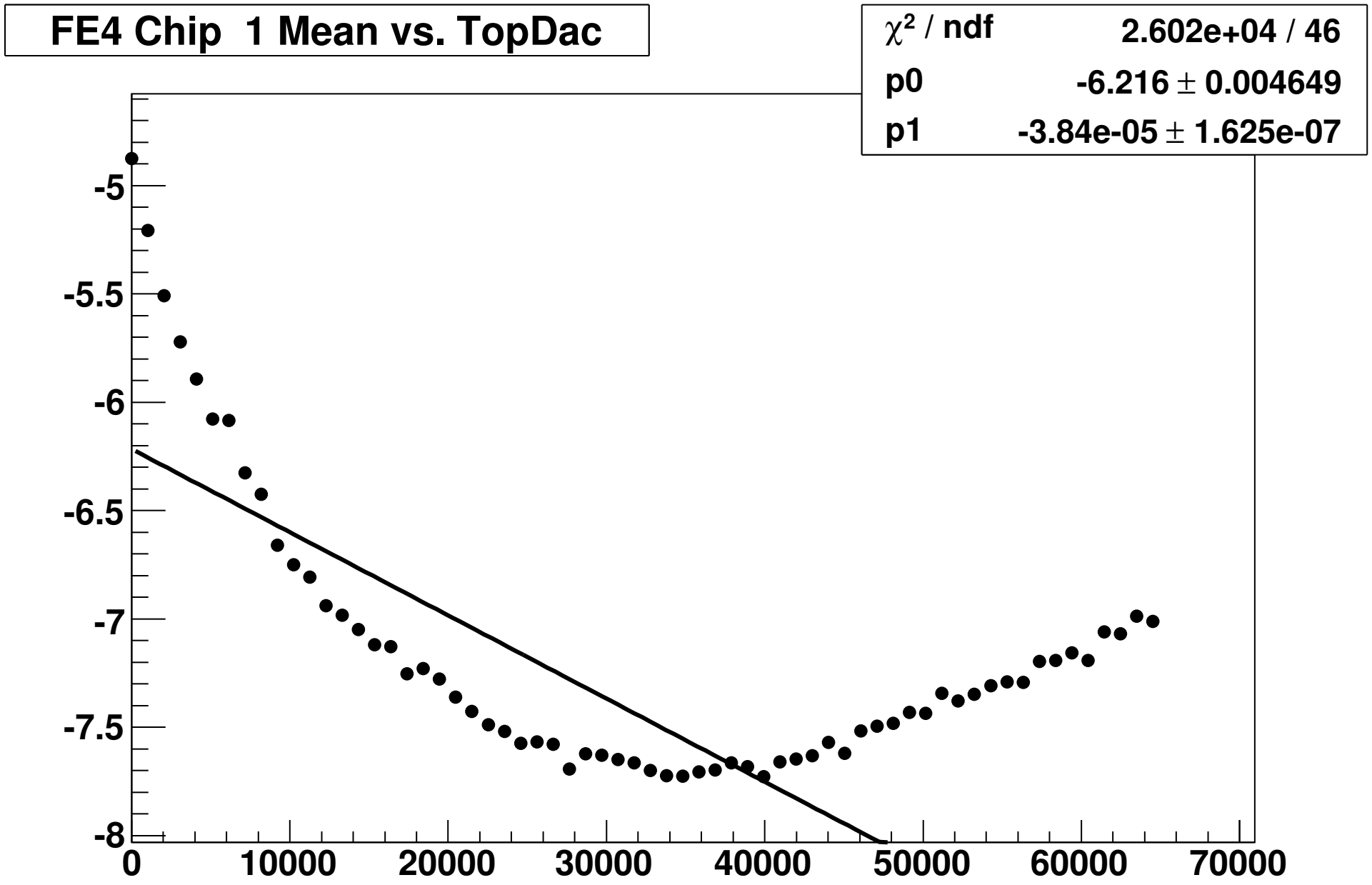
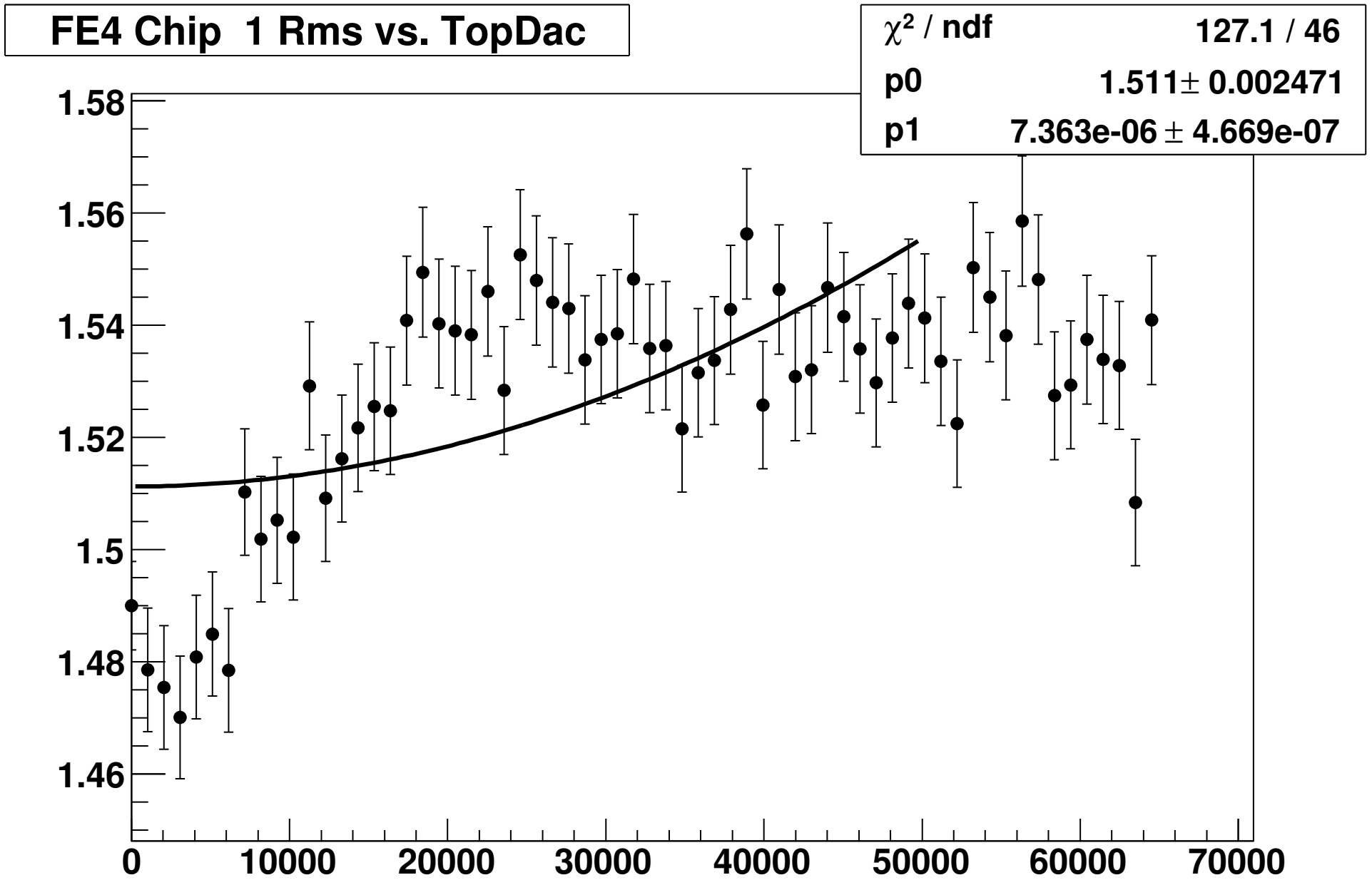
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 857 / 46
p0 1.389 ± 0.002642
p1 3.523e-05 ± 1.413e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 2.602e+04 / 46
p0 -6.216 ± 0.004649
p1 -3.84e-05 ± 1.625e-07
-5
-5.5
-6
-6.5
-7
-7.5
-8
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 127.1 / 46
p0 1.511± 0.002471
p1 7.363e-06 ± 4.669e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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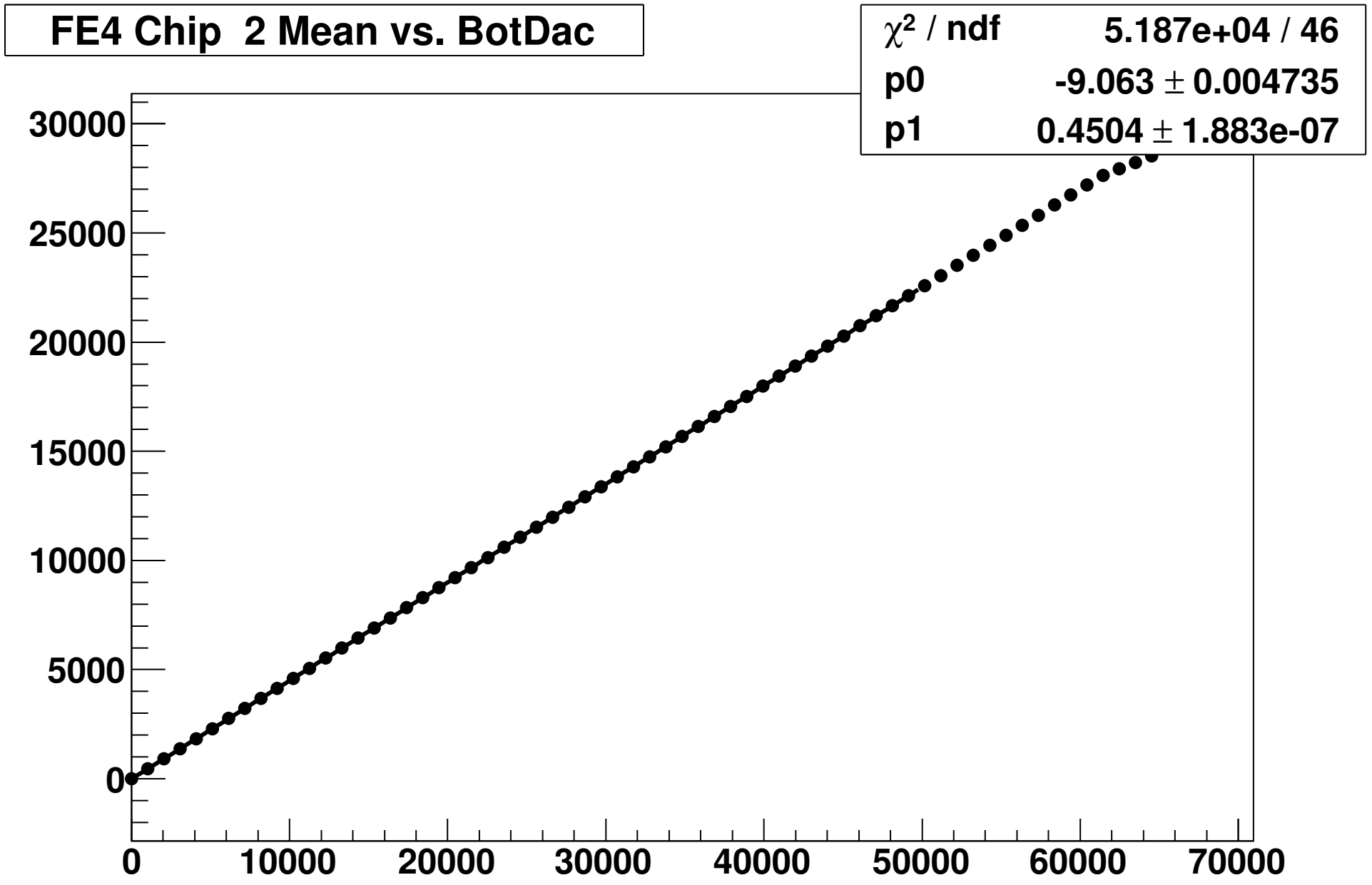
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 5.187e+04 / 46
p0 -9.063 ± 0.004735
p1 0.4504 ± 1.883e-07
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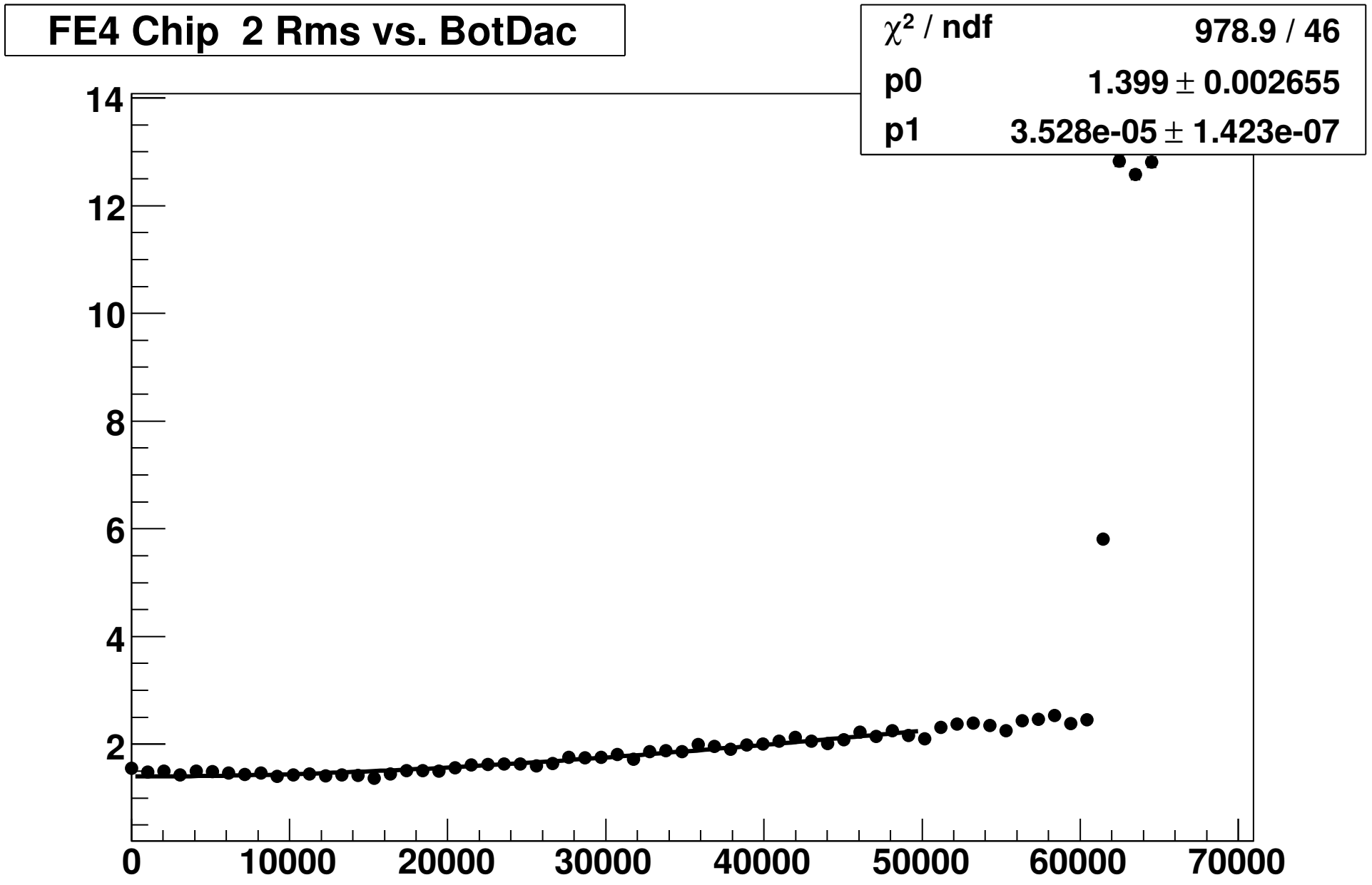
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 978.9 / 46
p0 1.399 ± 0.002655
p1 3.528e-05 ± 1.423e-07
14
12
10
8
6
4
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10000
20000
30000
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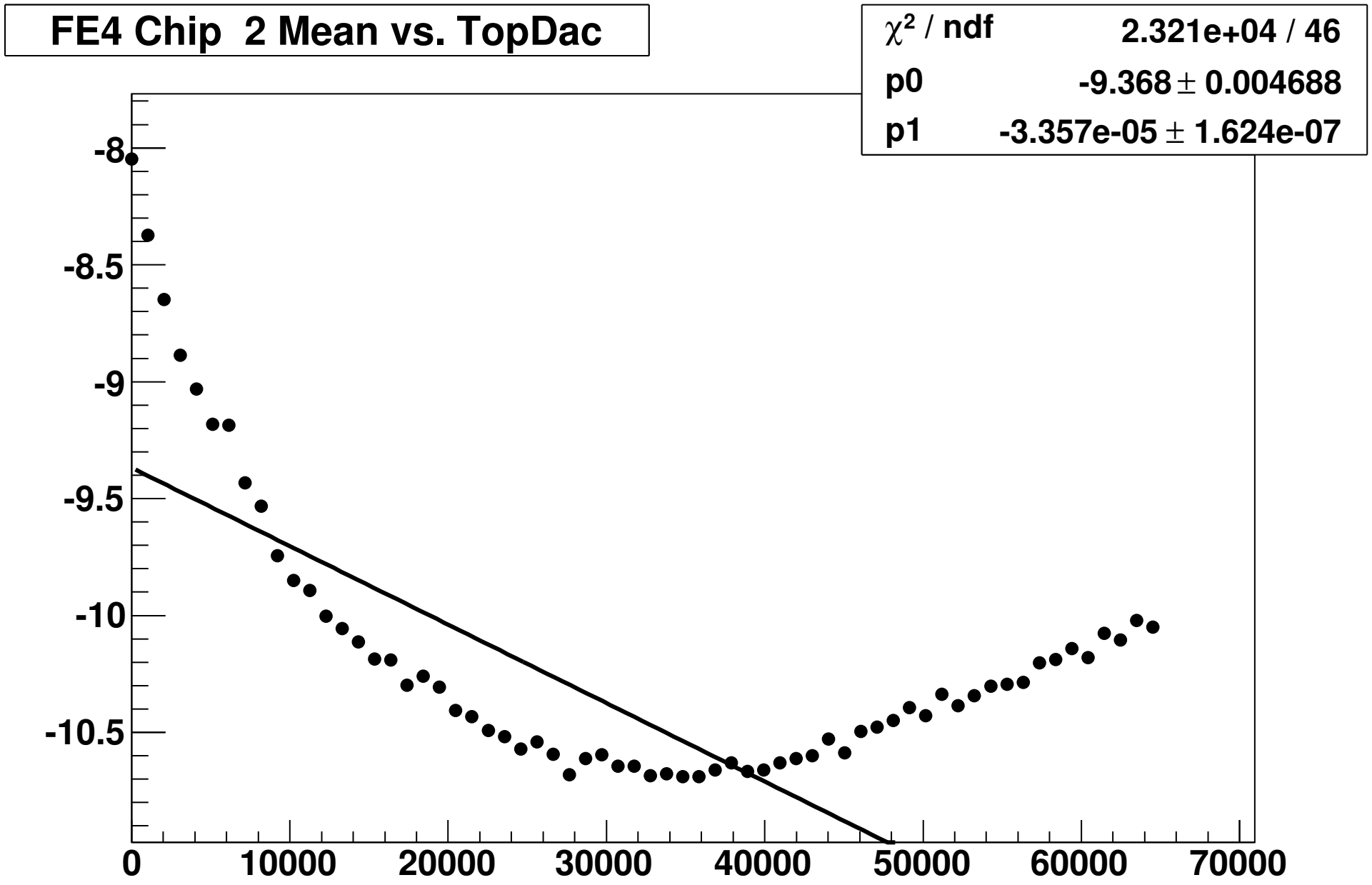
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 2.321e+04 / 46
p0 -9.368 ± 0.004688
p1 -3.357e-05 ± 1.624e-07
-8
-8.5
-9
-9.5
-10
-10.5
0
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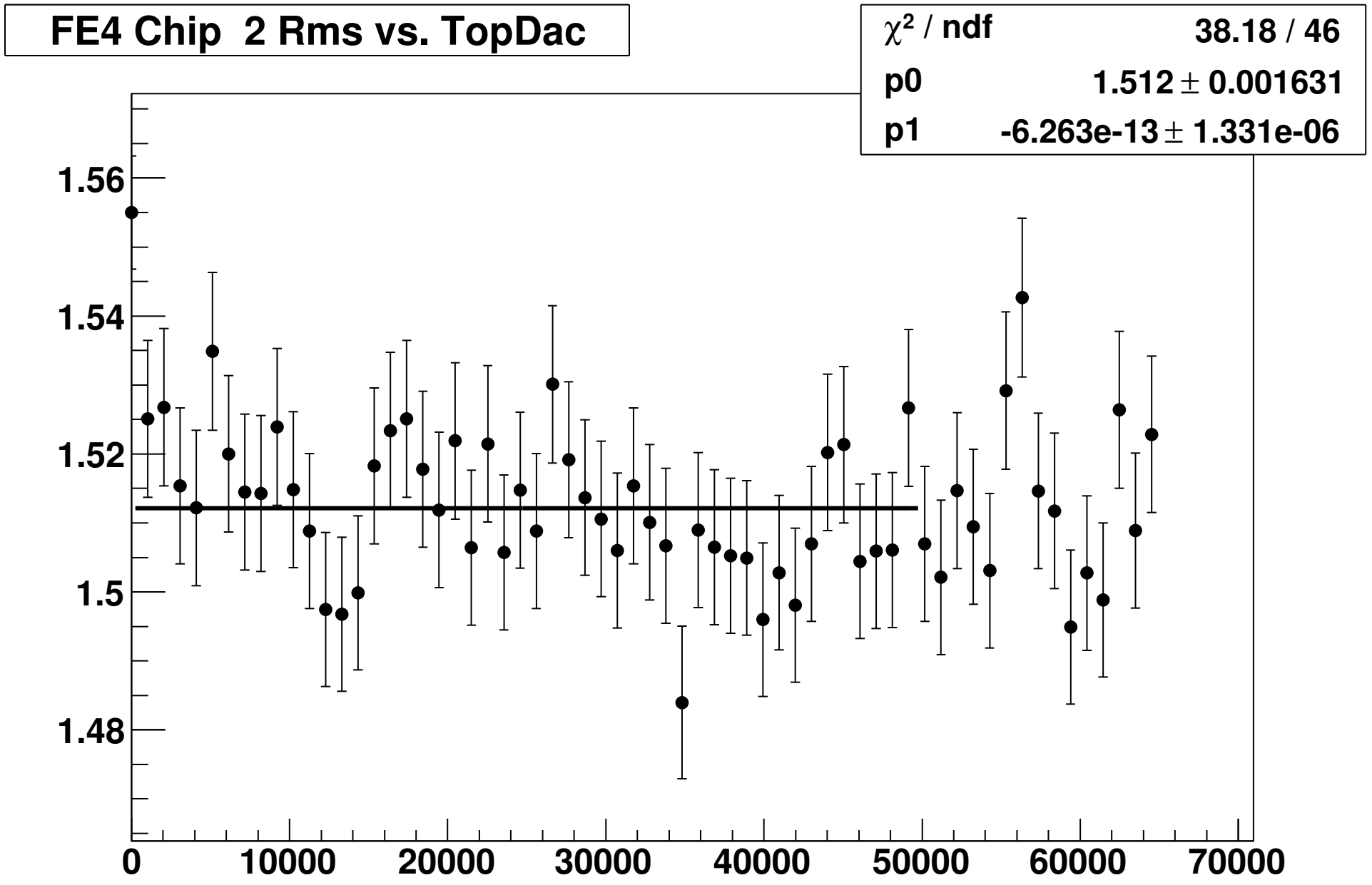
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 38.18 / 46
p0 1.512 ± 0.001631
p1 -6.263e-13 ± 1.331e-06
1.56
1.54
1.52
1.5
1.48
0
10000
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60000
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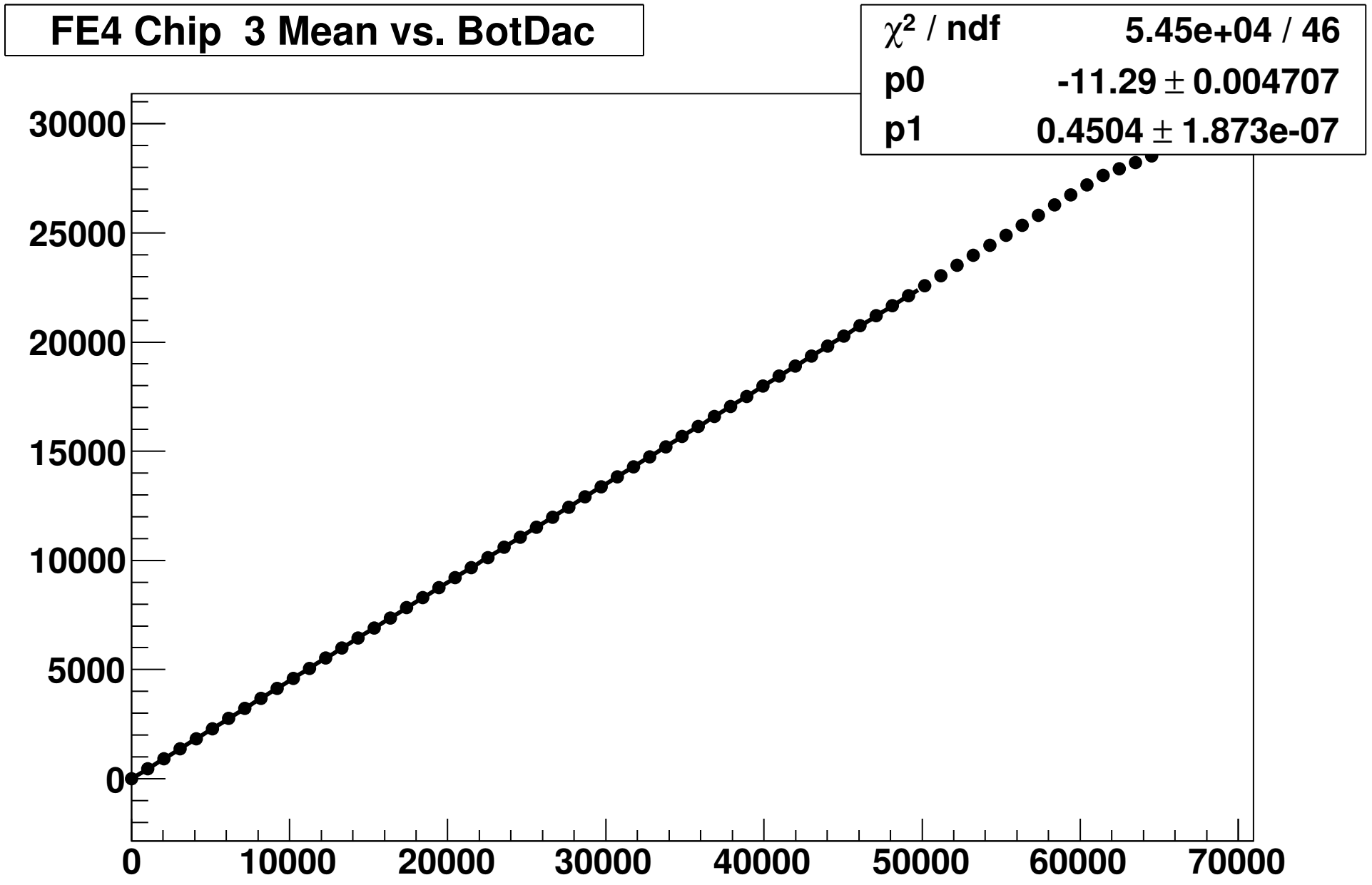
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 5.45e+04 / 46
p0 -11.29 ± 0.004707
p1 0.4504 ± 1.873e-07
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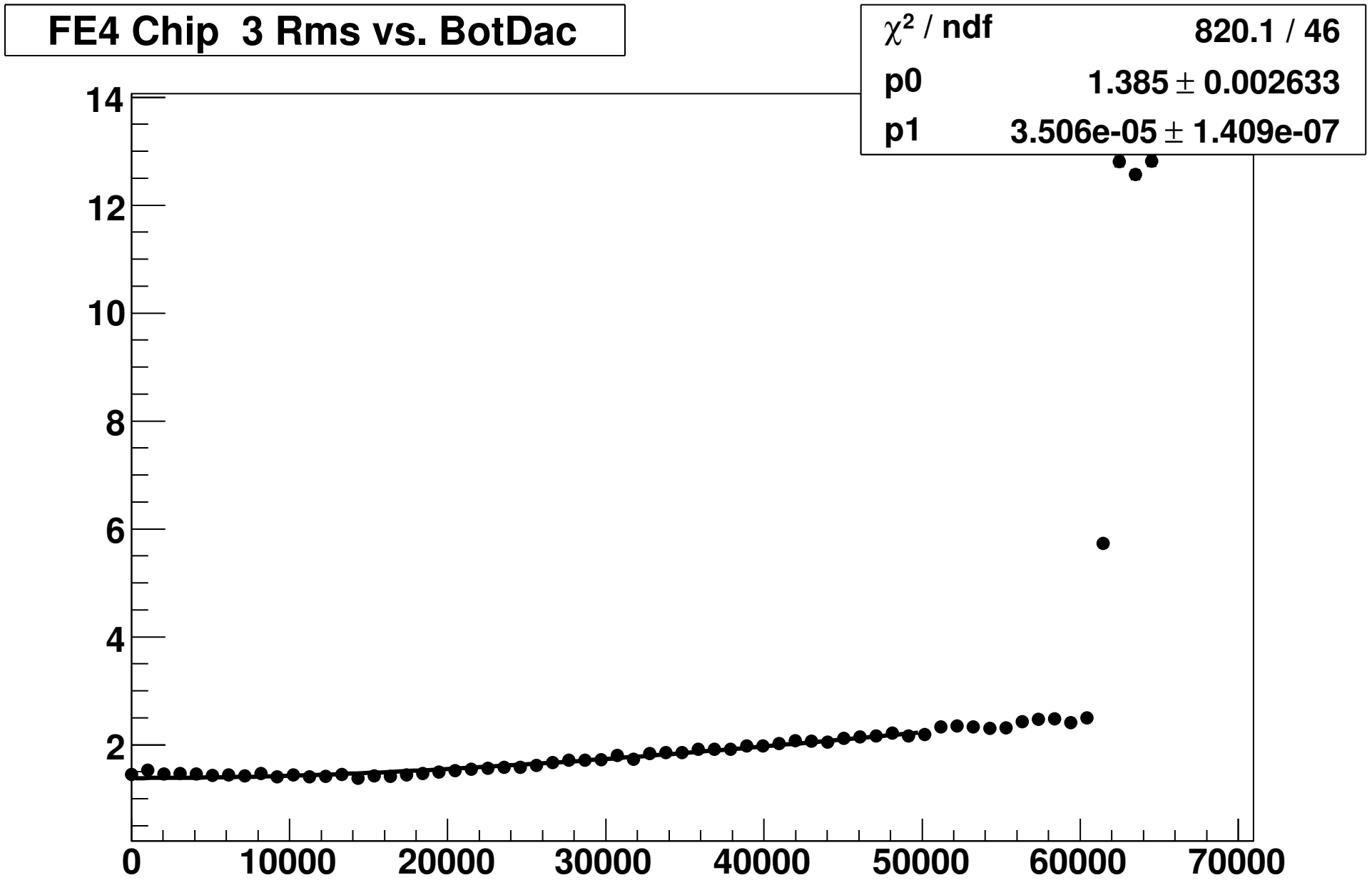
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 820.1 / 46
p0 1.385 ± 0.002633
p1 3.506e-05 ± 1.409e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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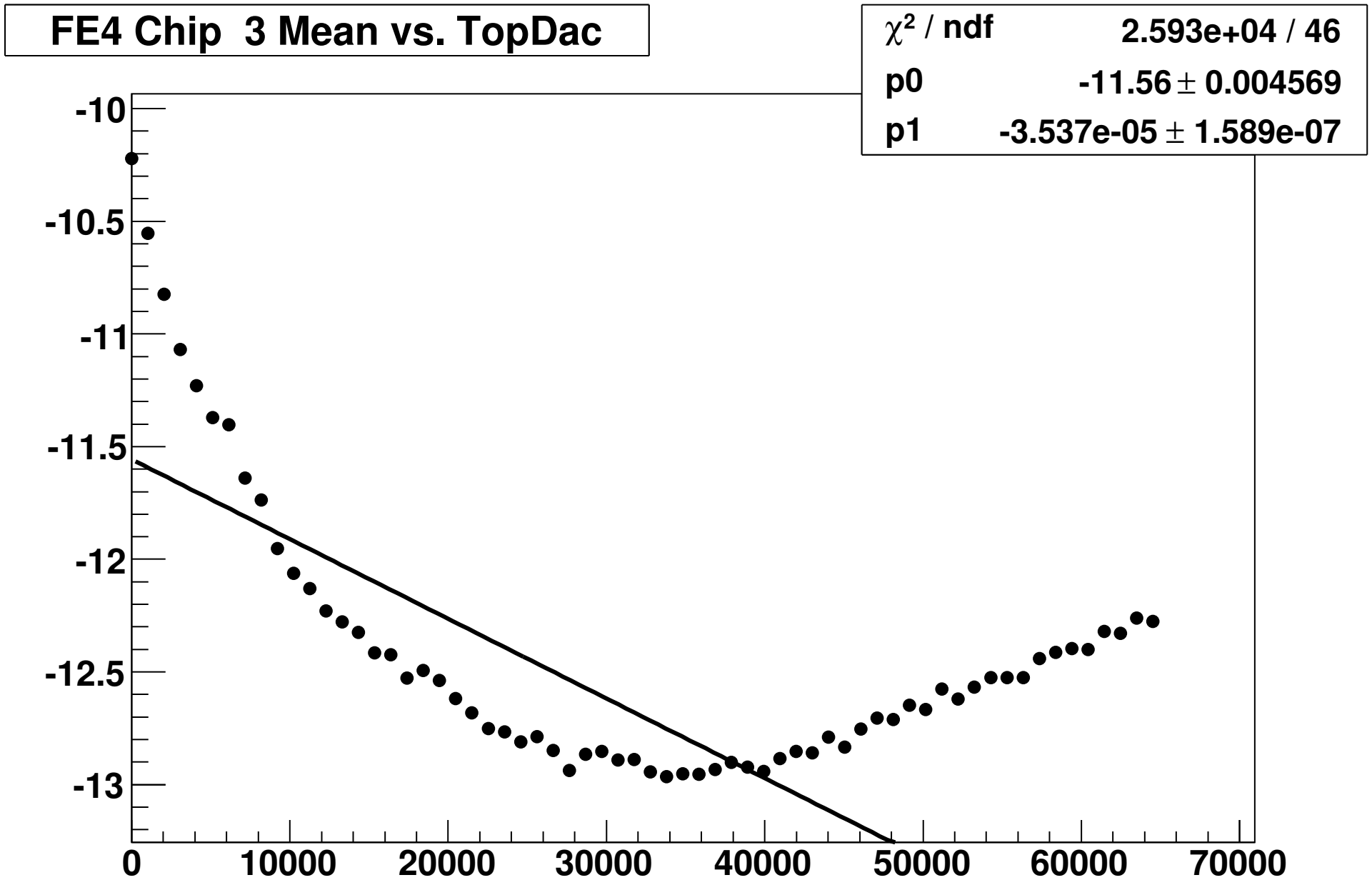
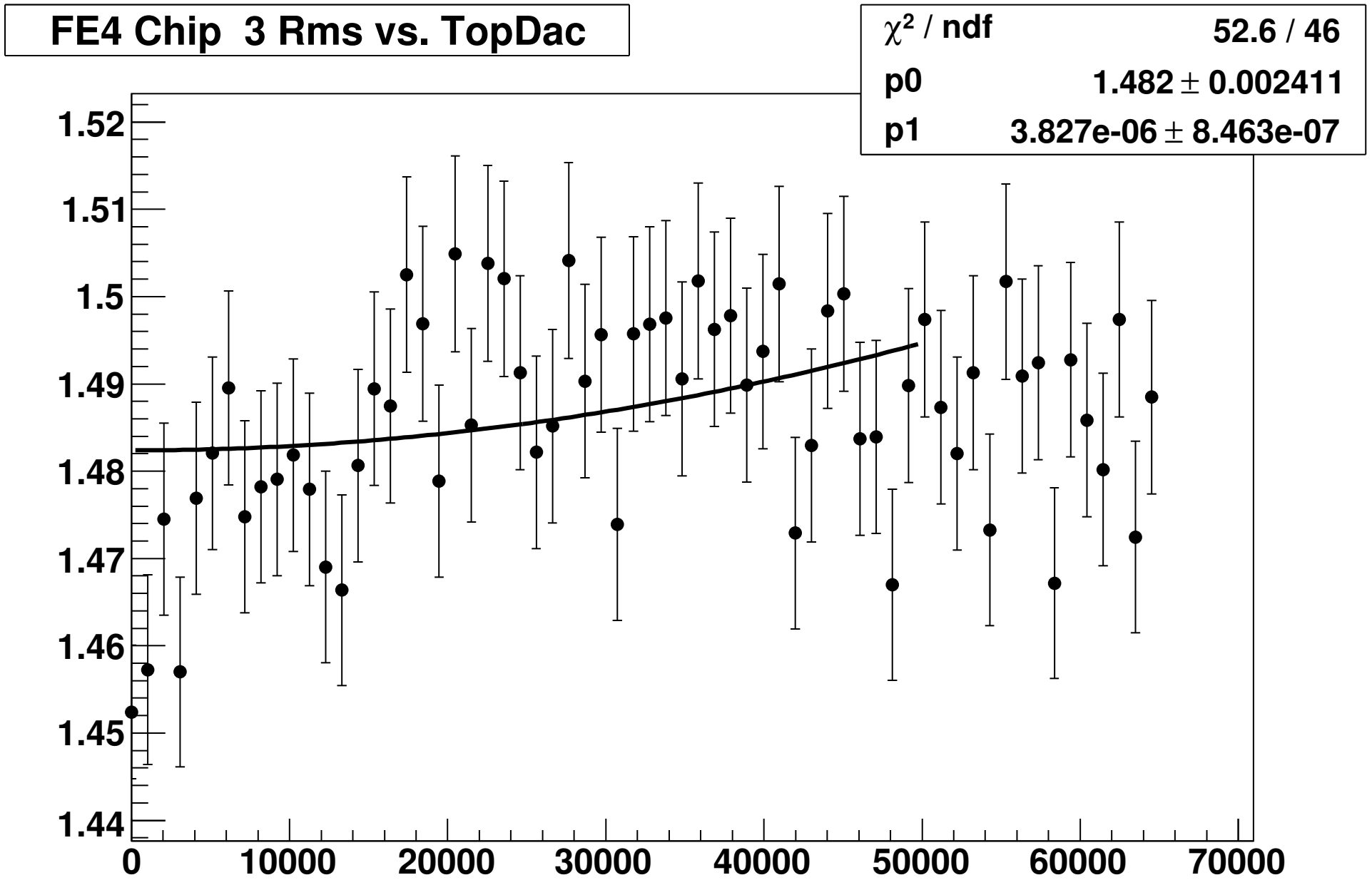

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 2.593e+04 / 46
p0 -11.56 ± 0.004569
p1 -3.537e-05 ± 1.589e-07
-10
-10.5
-11
-11.5
-12
-12.5
-13
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 52.6 / 46
p0 1.482 ± 0.002411
p1 3.827e-06 ± 8.463e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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30000
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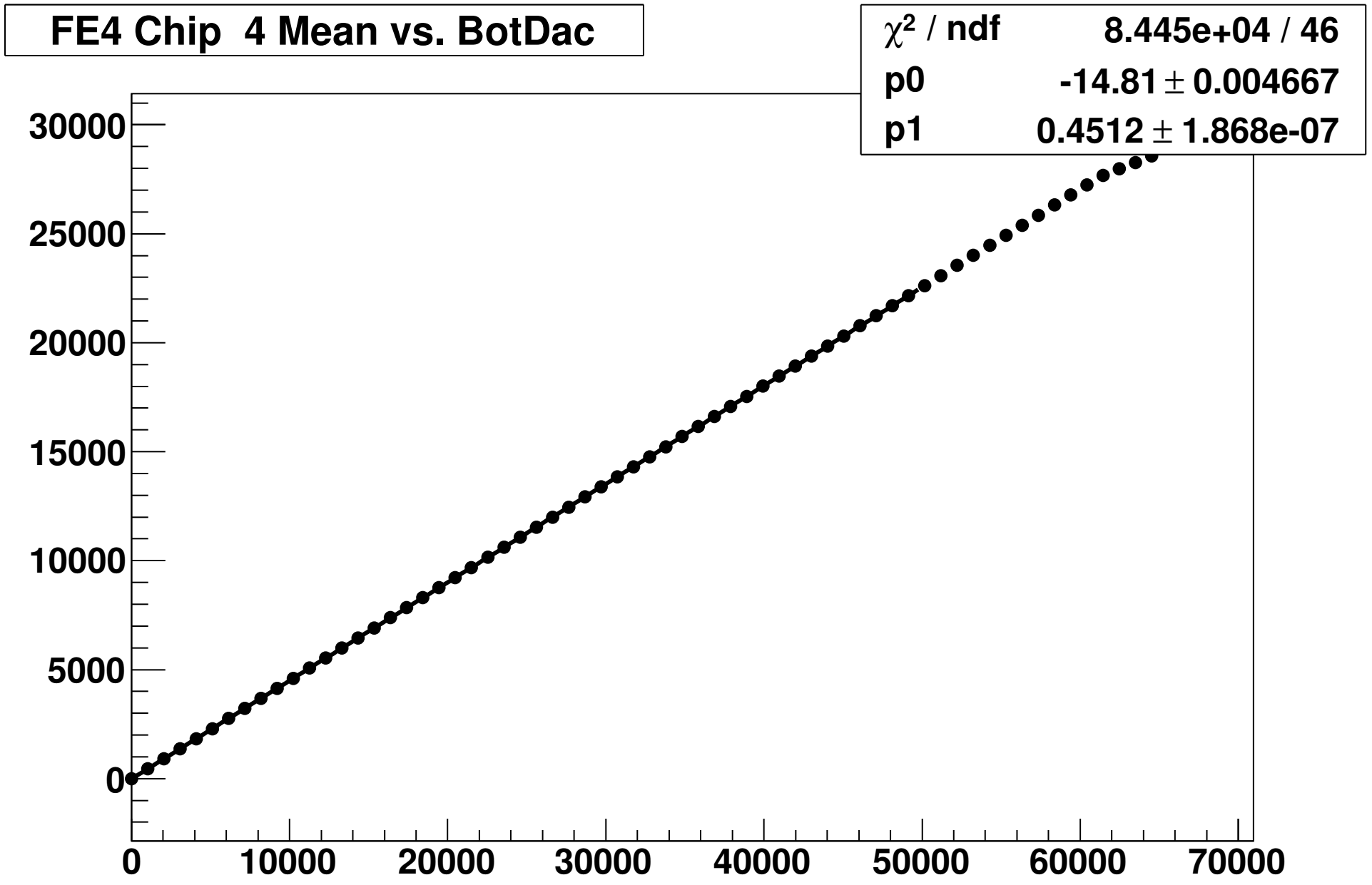
50000
60000
70000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.445e+04 / 46
p0 -14.81 ± 0.004667
p1 0.4512 ± 1.868e-07
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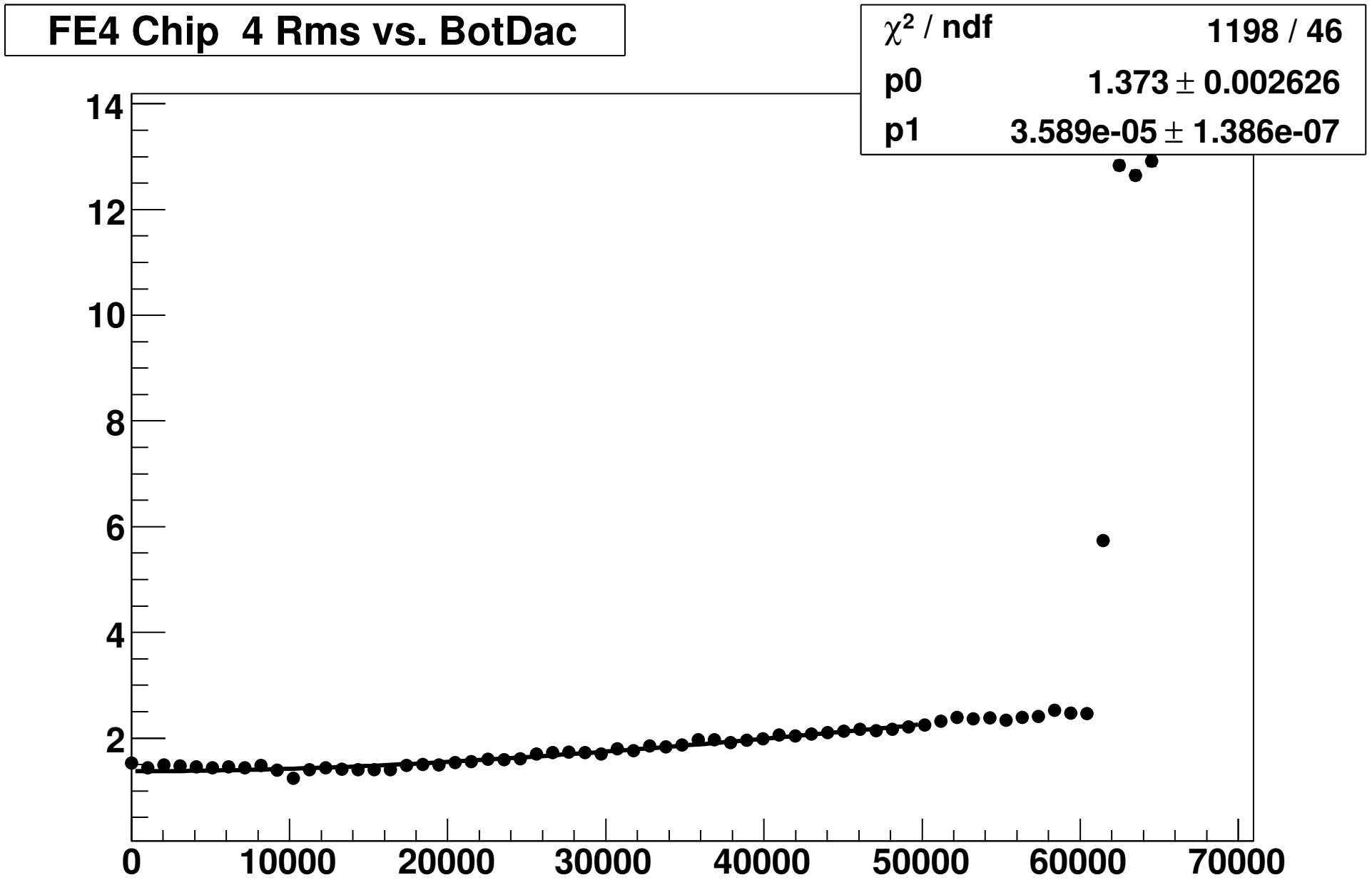
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 1198 / 46
p0 1.373 ± 0.002626
p1 3.589e-05 ± 1.386e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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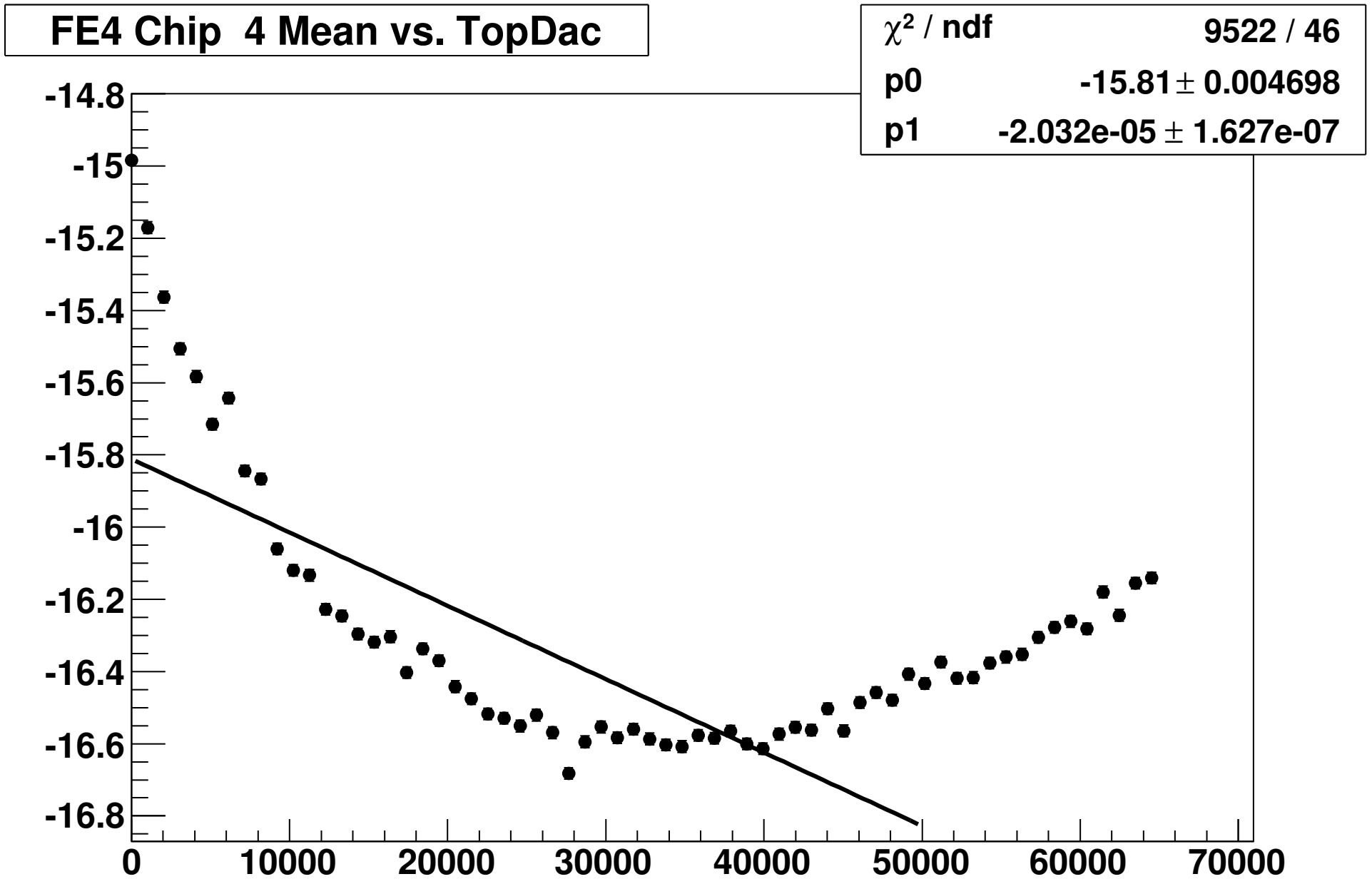
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 9522 / 46
p0 -15.81 ± 0.004698
p1 -2.032e-05 ± 1.627e-07
-14.8
-15
-15.2
-15.4
-15.6
-15.8
-16
-16.2
-16.4
-16.6
-16.8
0
10000
20000
30000
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50000
60000
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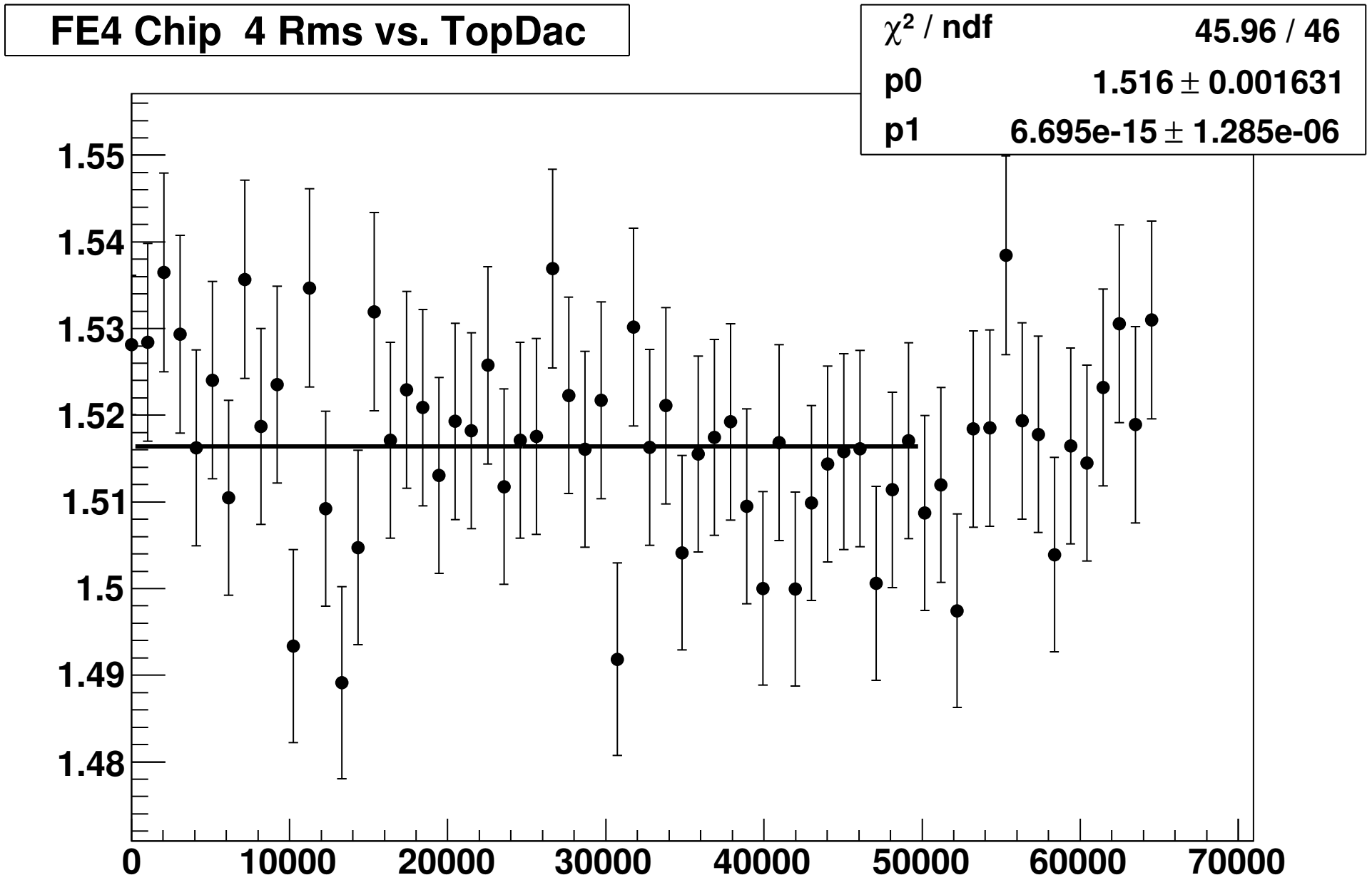
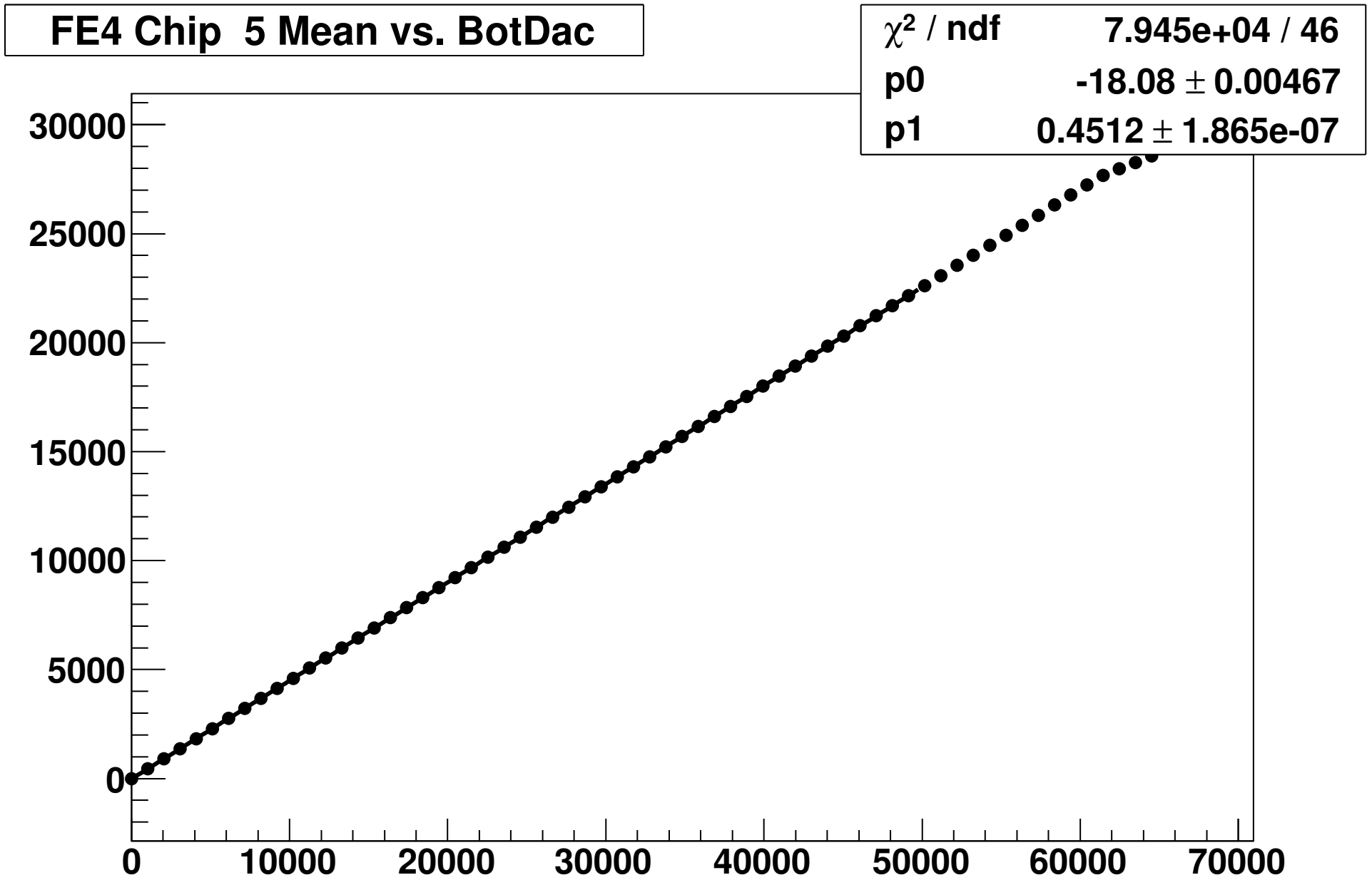
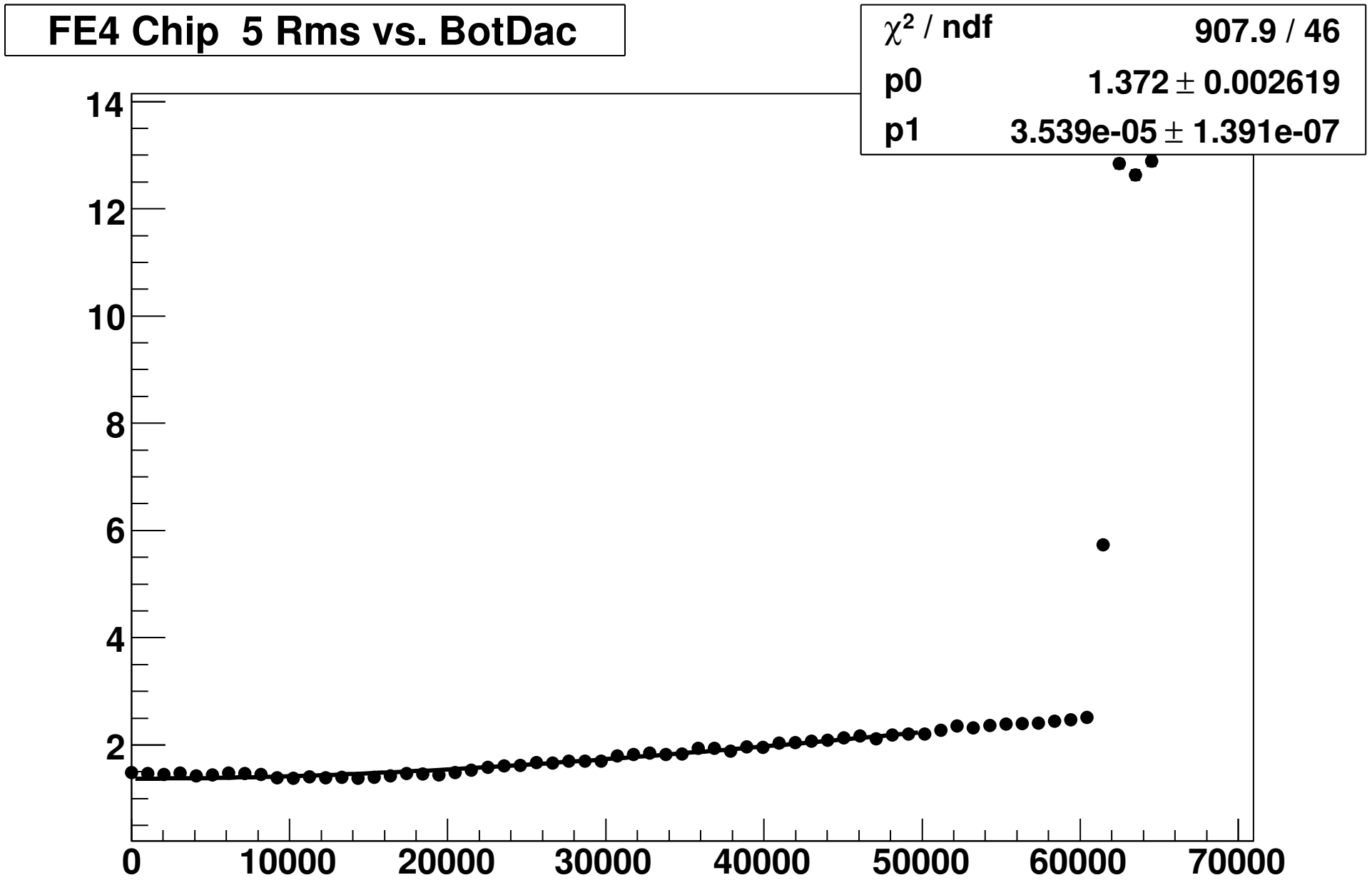

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 45.96 / 46
p0 1.516 ± 0.001631
p1 6.695e-15 ± 1.285e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 7.945e+04 / 46
p0 -18.08 ± 0.00467
p1 0.4512 ± 1.865e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 907.9 / 46
p0 1.372 ± 0.002619
p1 3.539e-05 ± 1.391e-07
14
12
10
8
6
4
2
0
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20000
30000
40000
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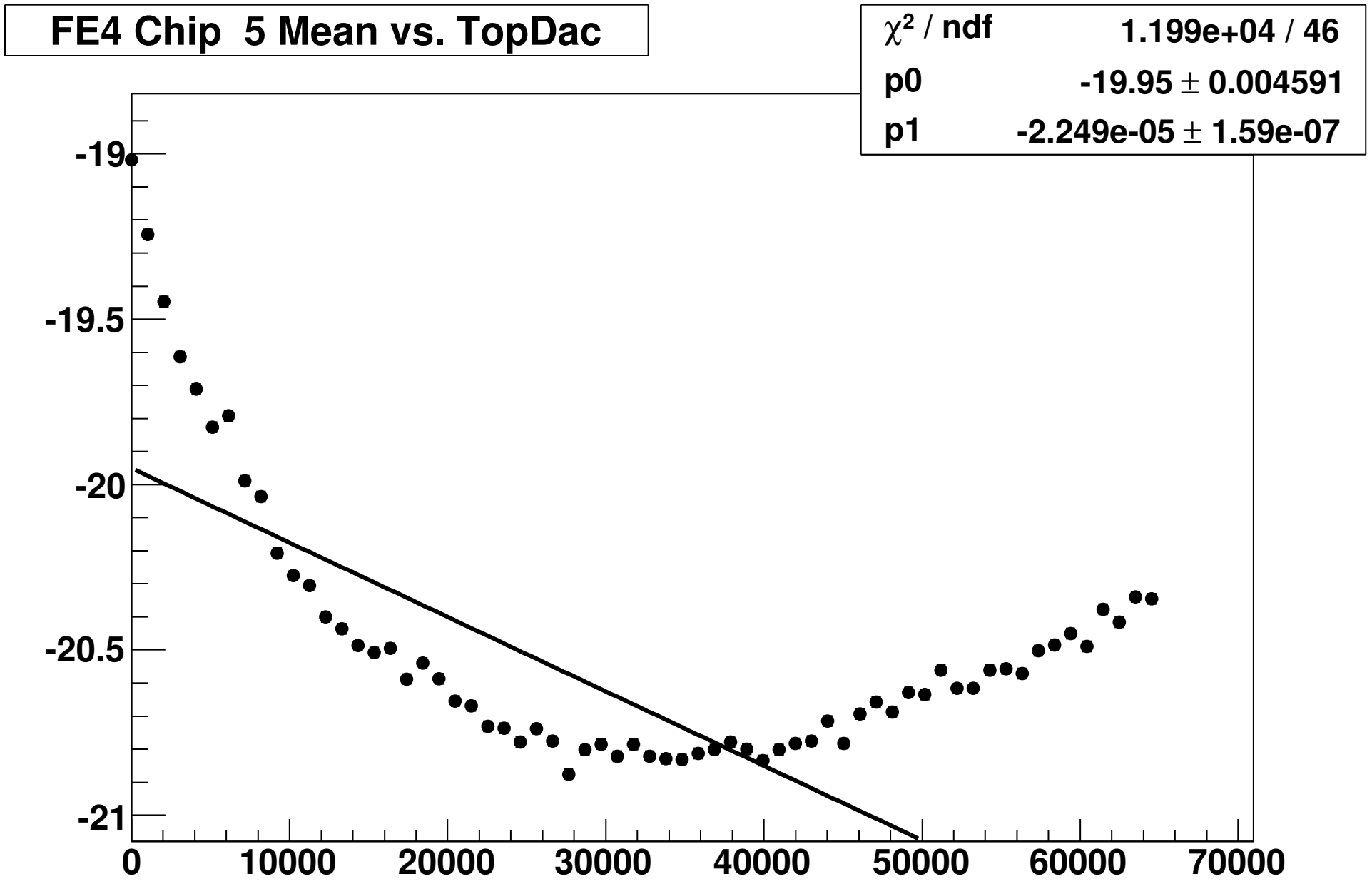
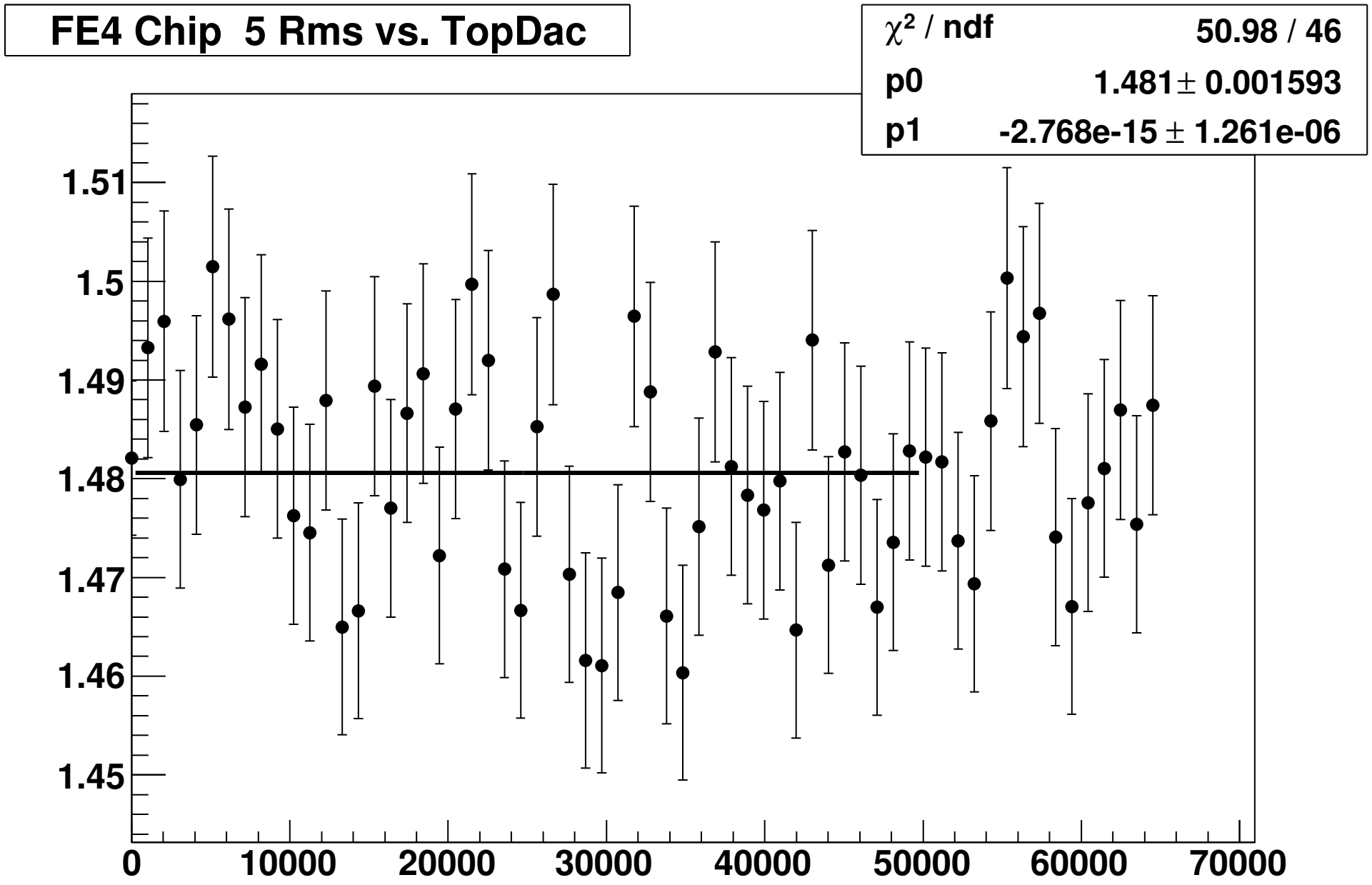
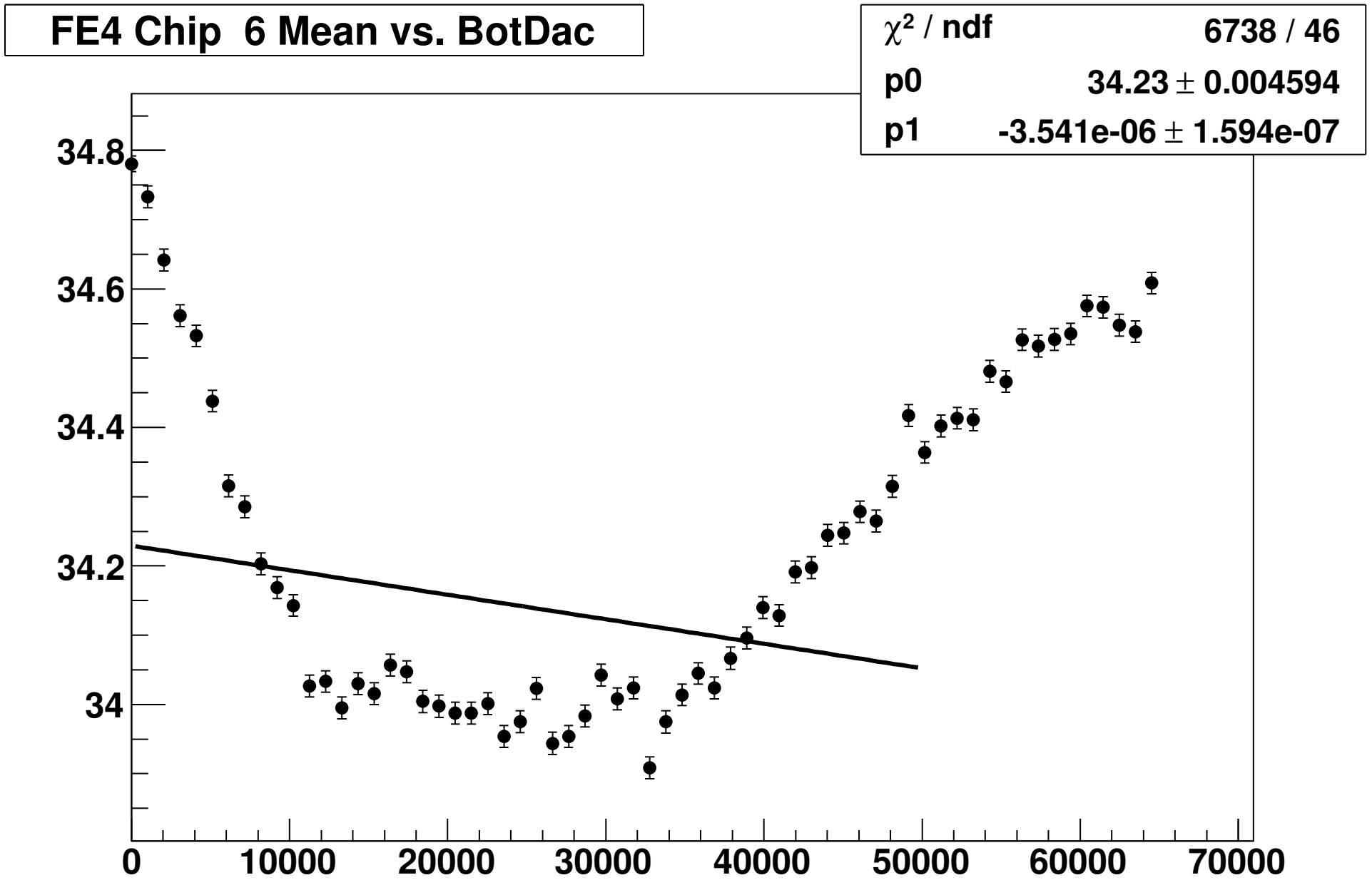
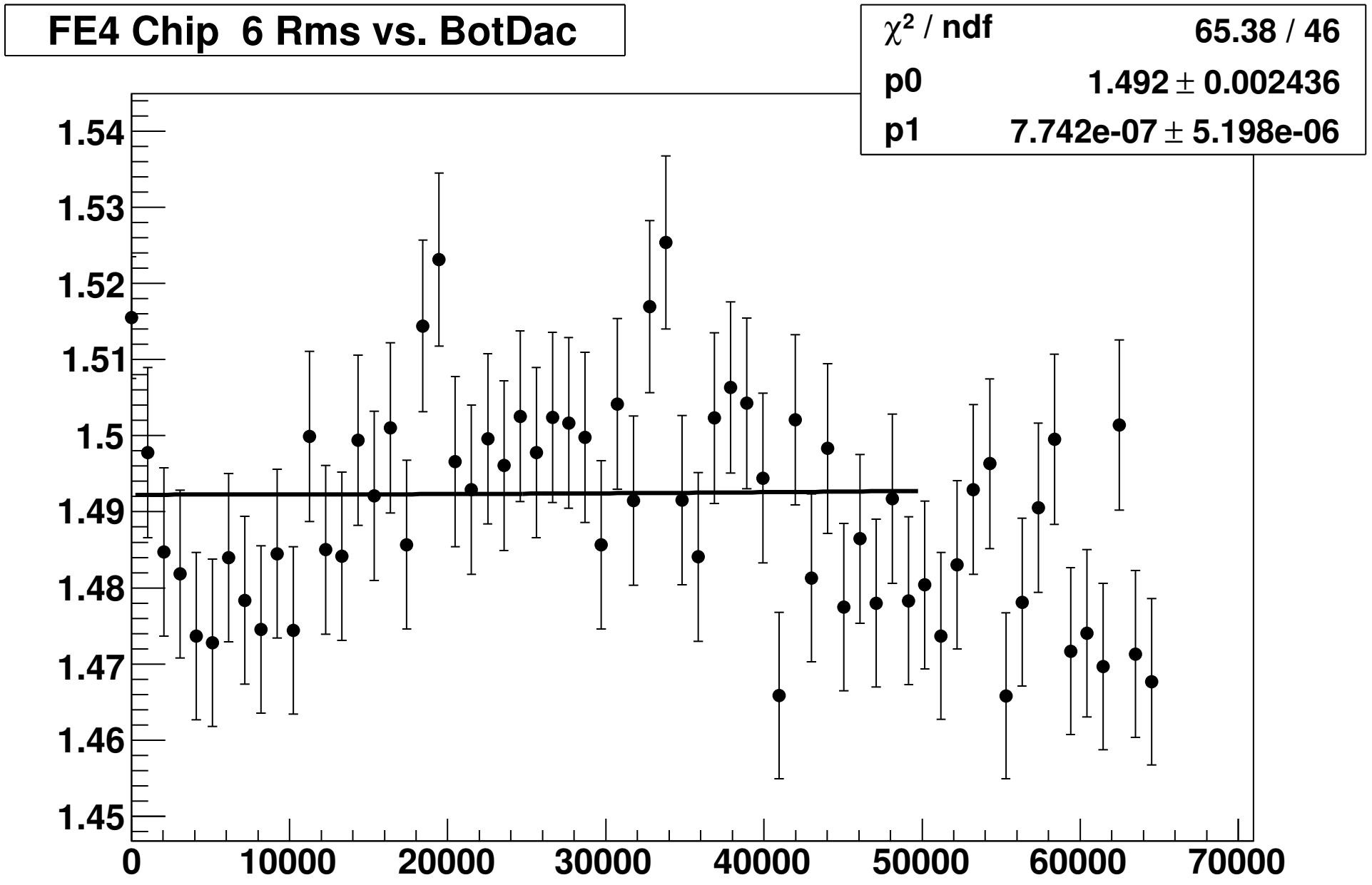
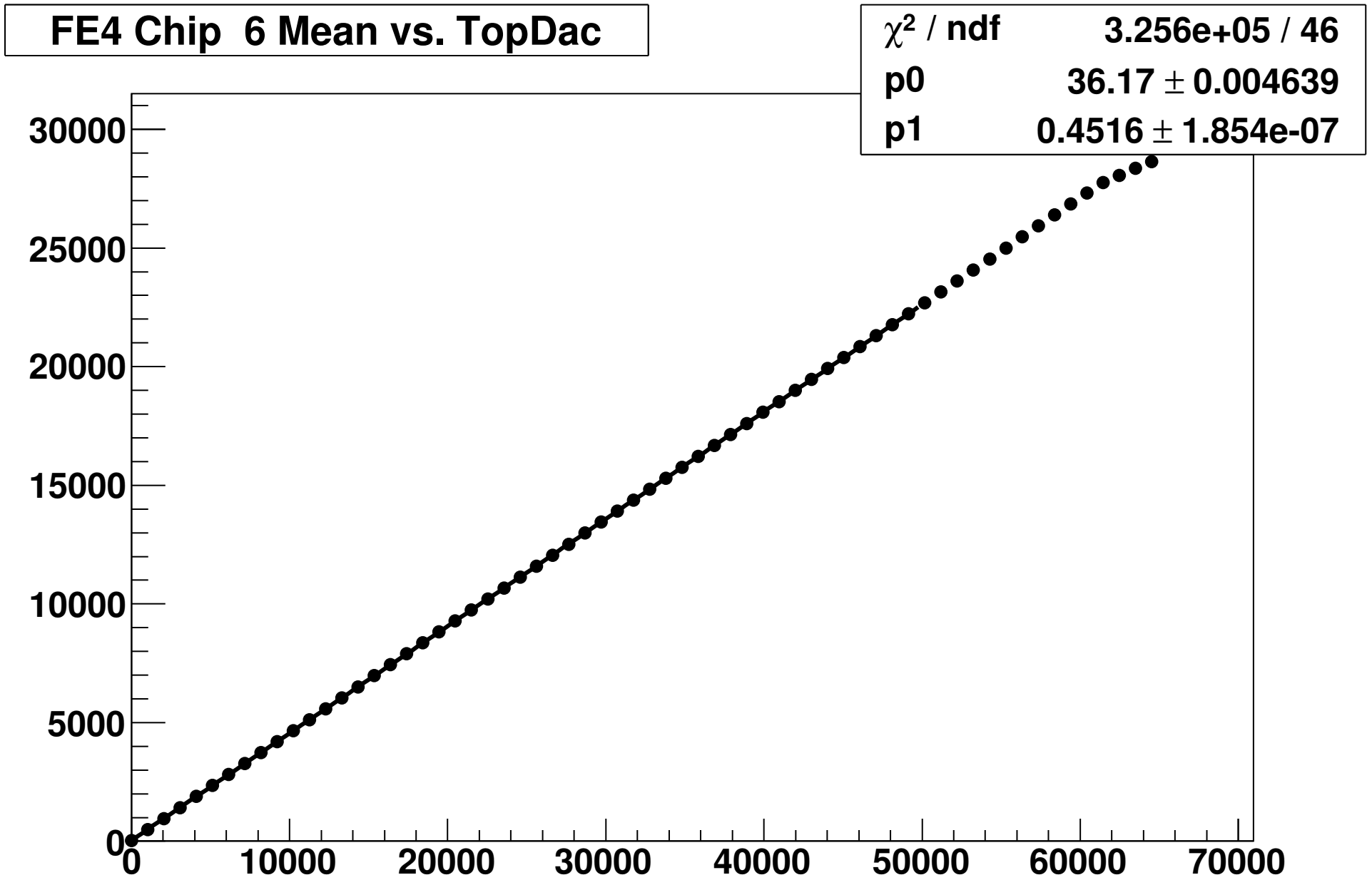
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 1.199e+04 / 46
p0 -19.95 ± 0.004591
p1 -2.249e-05 ± 1.59e-07
-19
-19.5
-20
-20.5
-21
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 50.98 / 46
p0 1.481 ± 0.001593
p1 -2.768e-15 ± 1.261e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 6738 / 46
p0 34.23 ± 0.004594
p1 -3.541e-06 ± 1.594e-07
34.8
34.6
34.4
34.2
34
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 65.38 / 46
p0 1.492 ± 0.002436
p1 7.742e-07 ± 5.198e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 3.256e+05 / 46
p0 36.17 ± 0.004639
p1 0.4516 ± 1.854e-07
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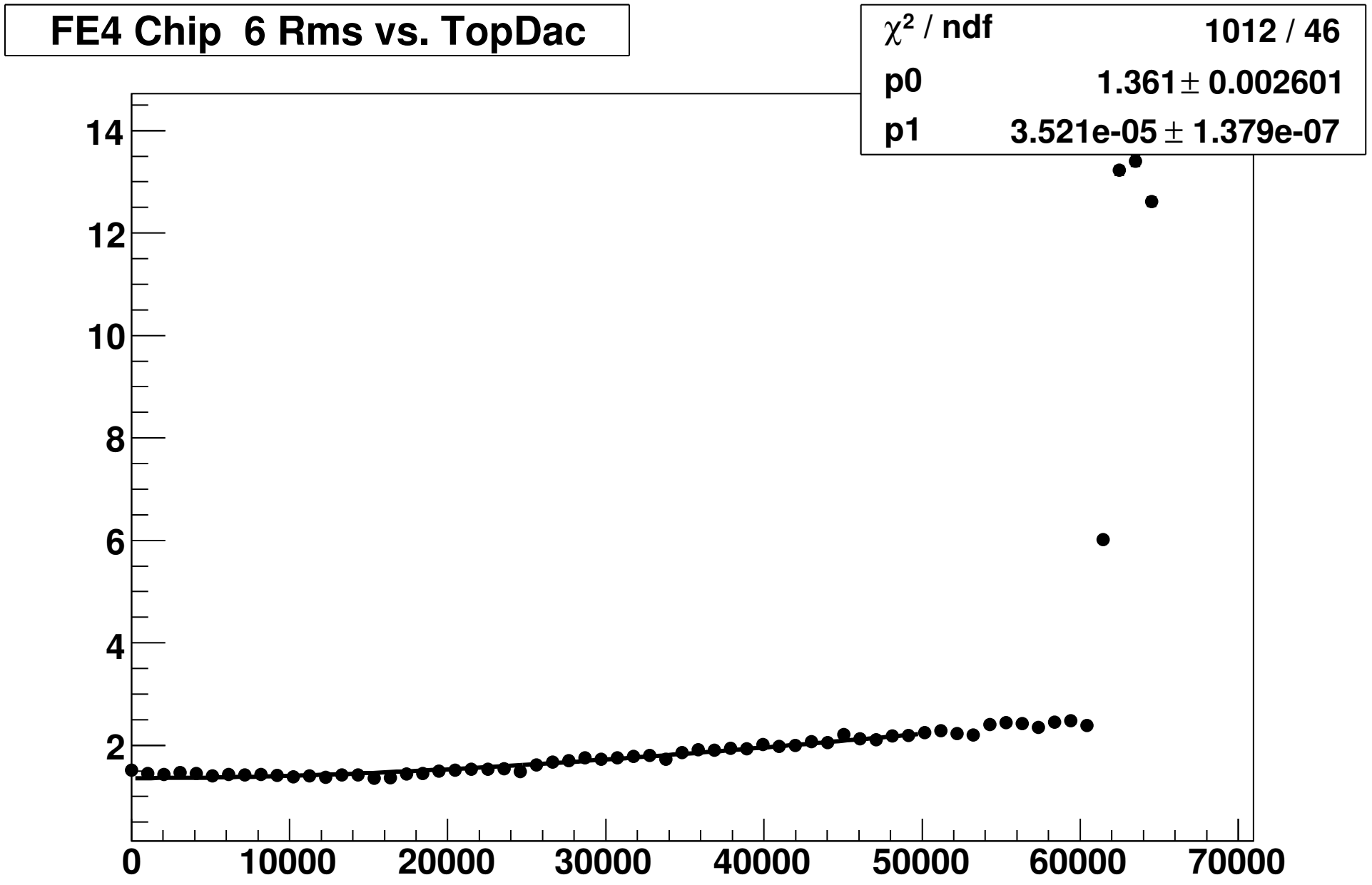
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1012 / 46
p0 1.361 ± 0.002601
p1 3.521e-05 ± 1.379e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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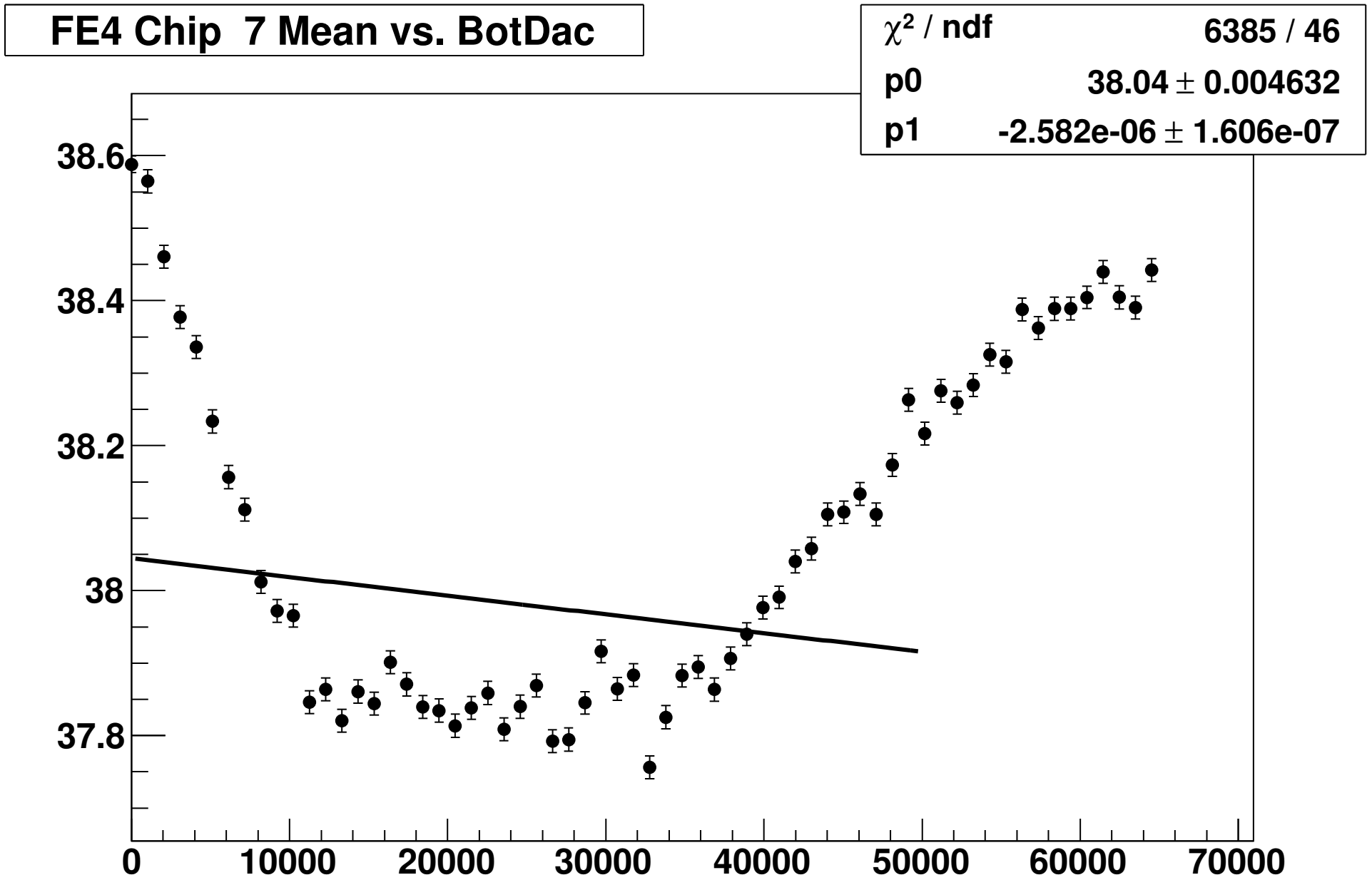
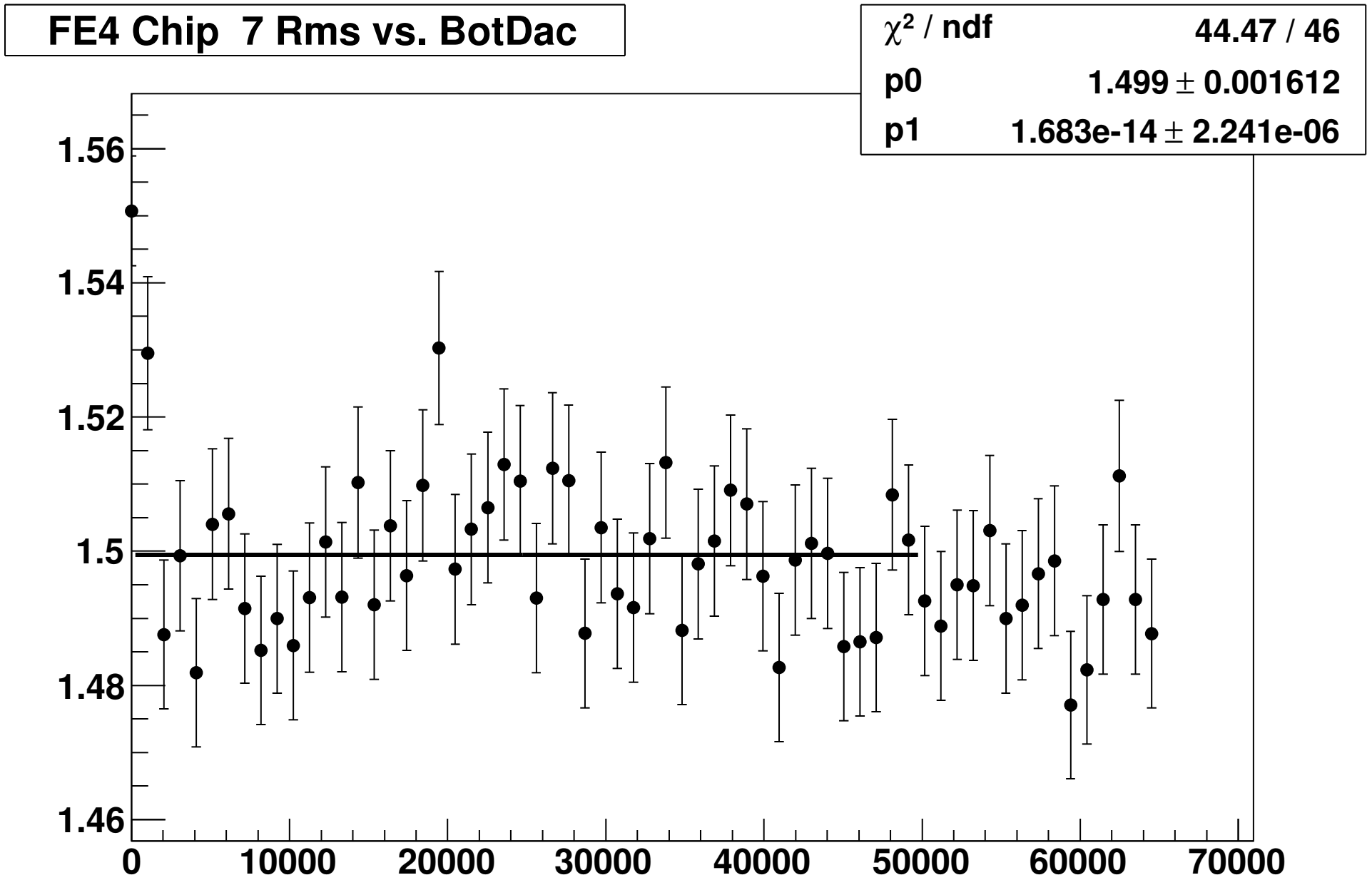
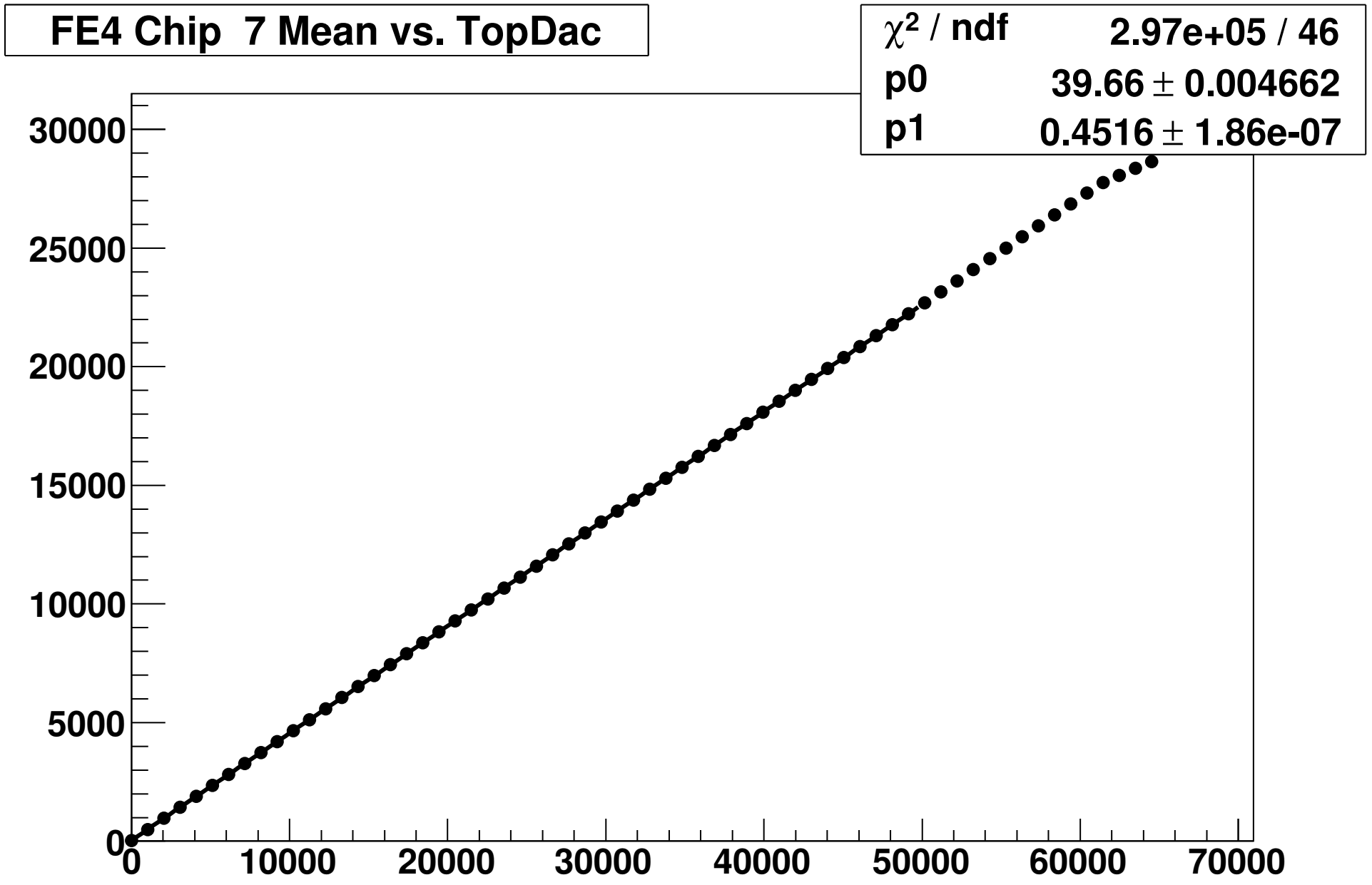

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 6385 / 46
p0 38.04 ± 0.004632
p1 -2.582e-06 ± 1.606e-07
38.6
38.4
38.2
38
37.8
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 44.47 / 46
p0 1.499 ± 0.001612
p1 1.683e-14 ± 2.241e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 2.97e+05 / 46
p0 39.66 ± 0.004662
p1 0.4516 ± 1.86e-07
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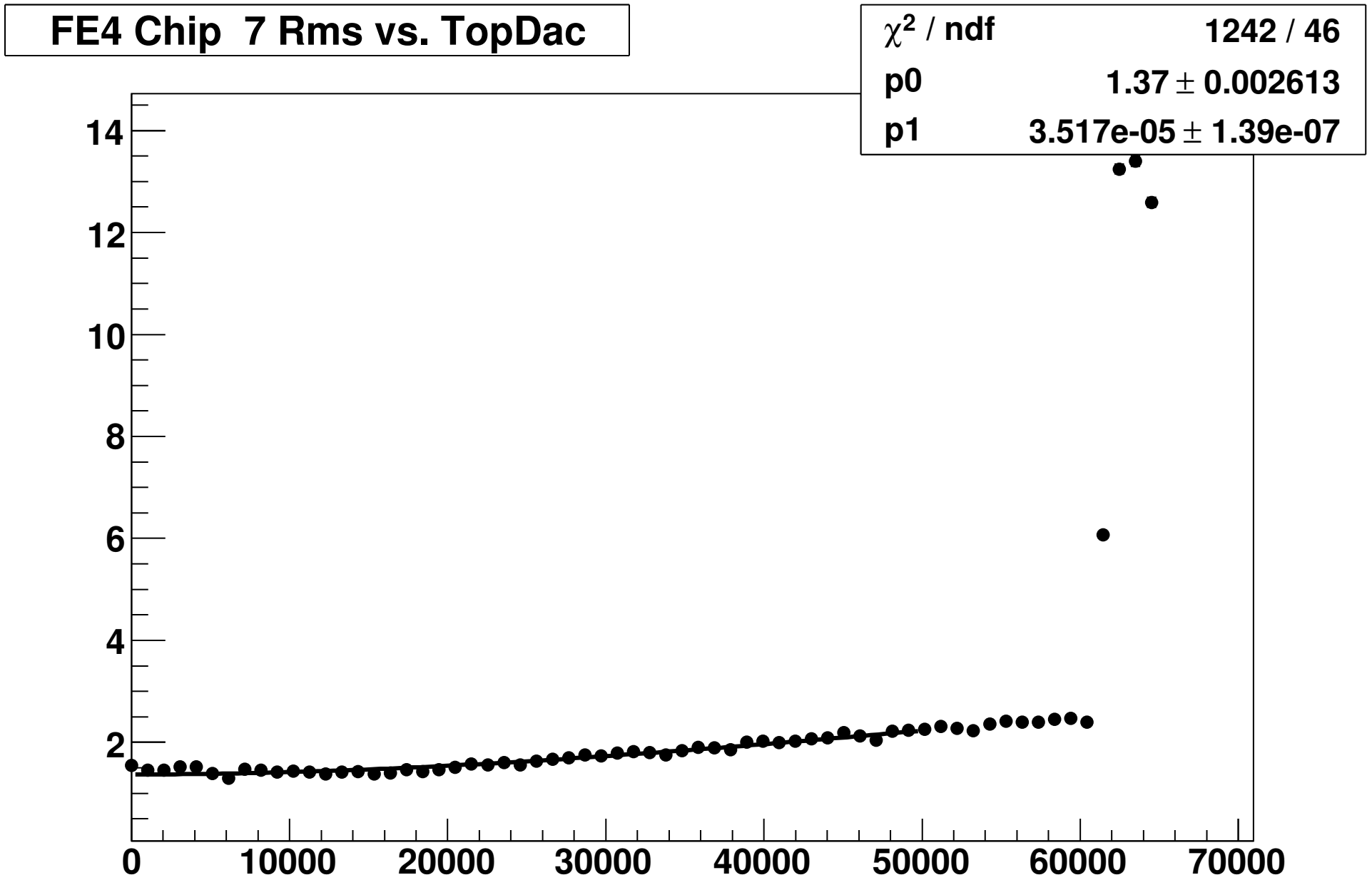
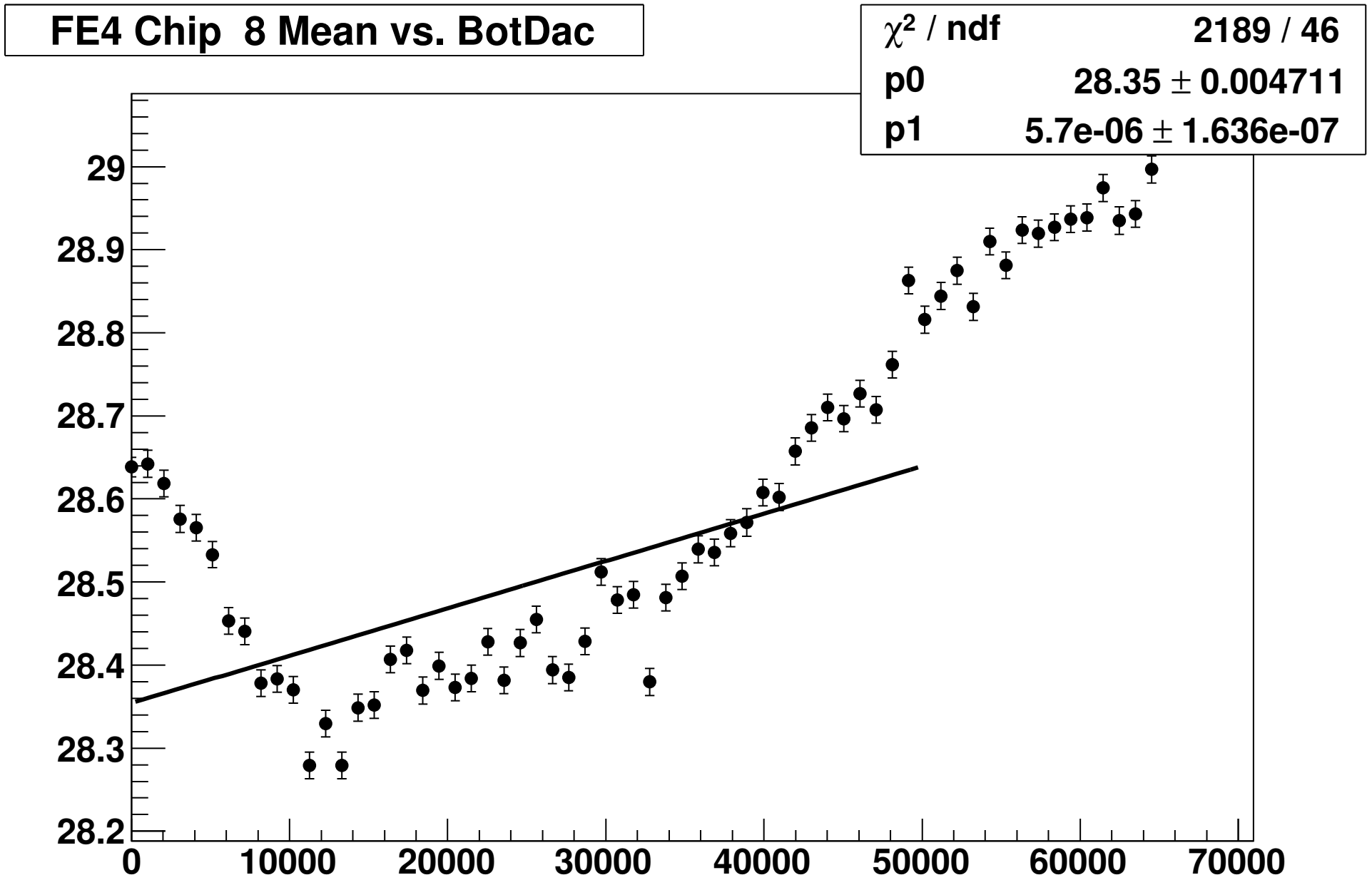
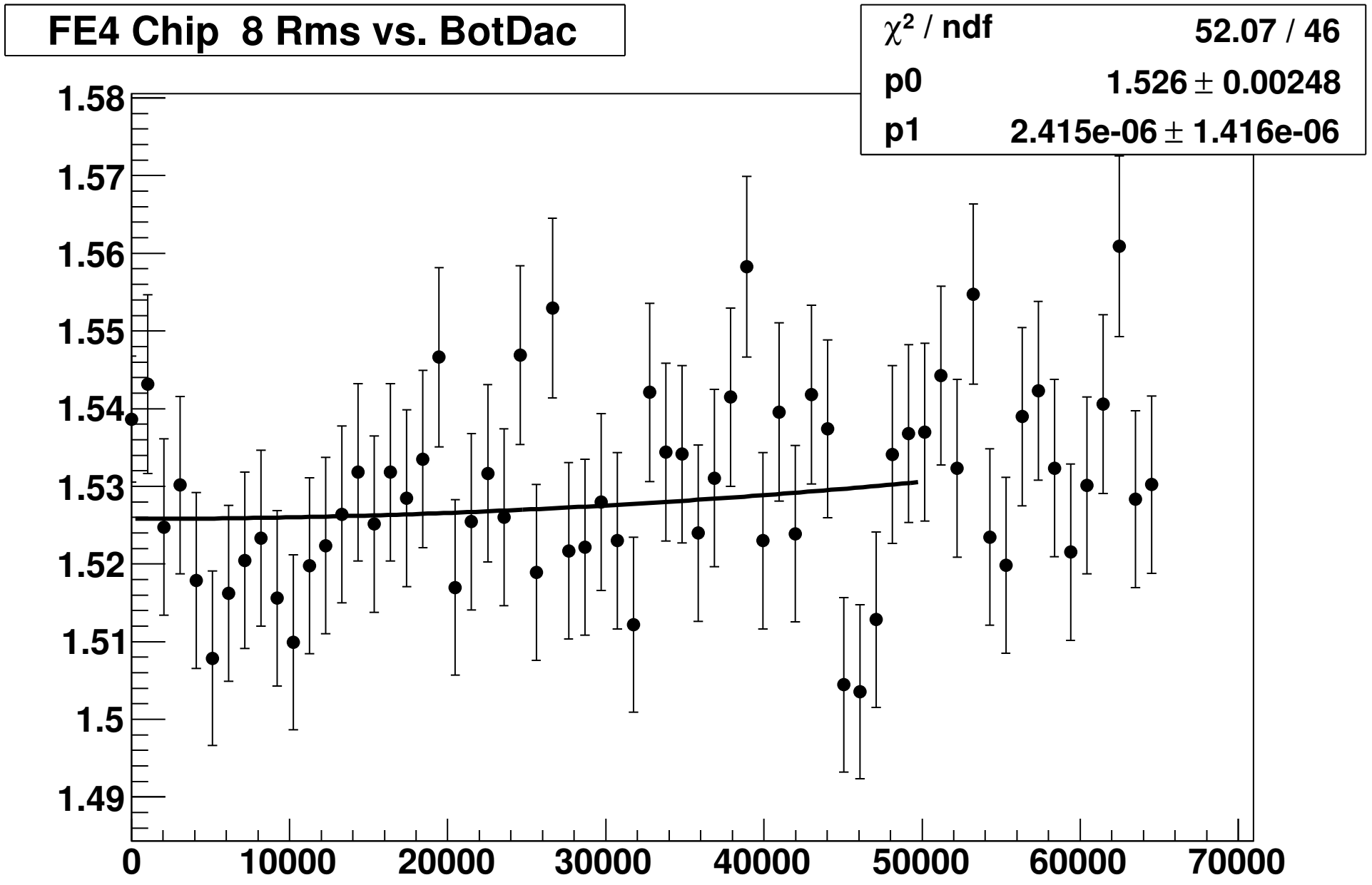
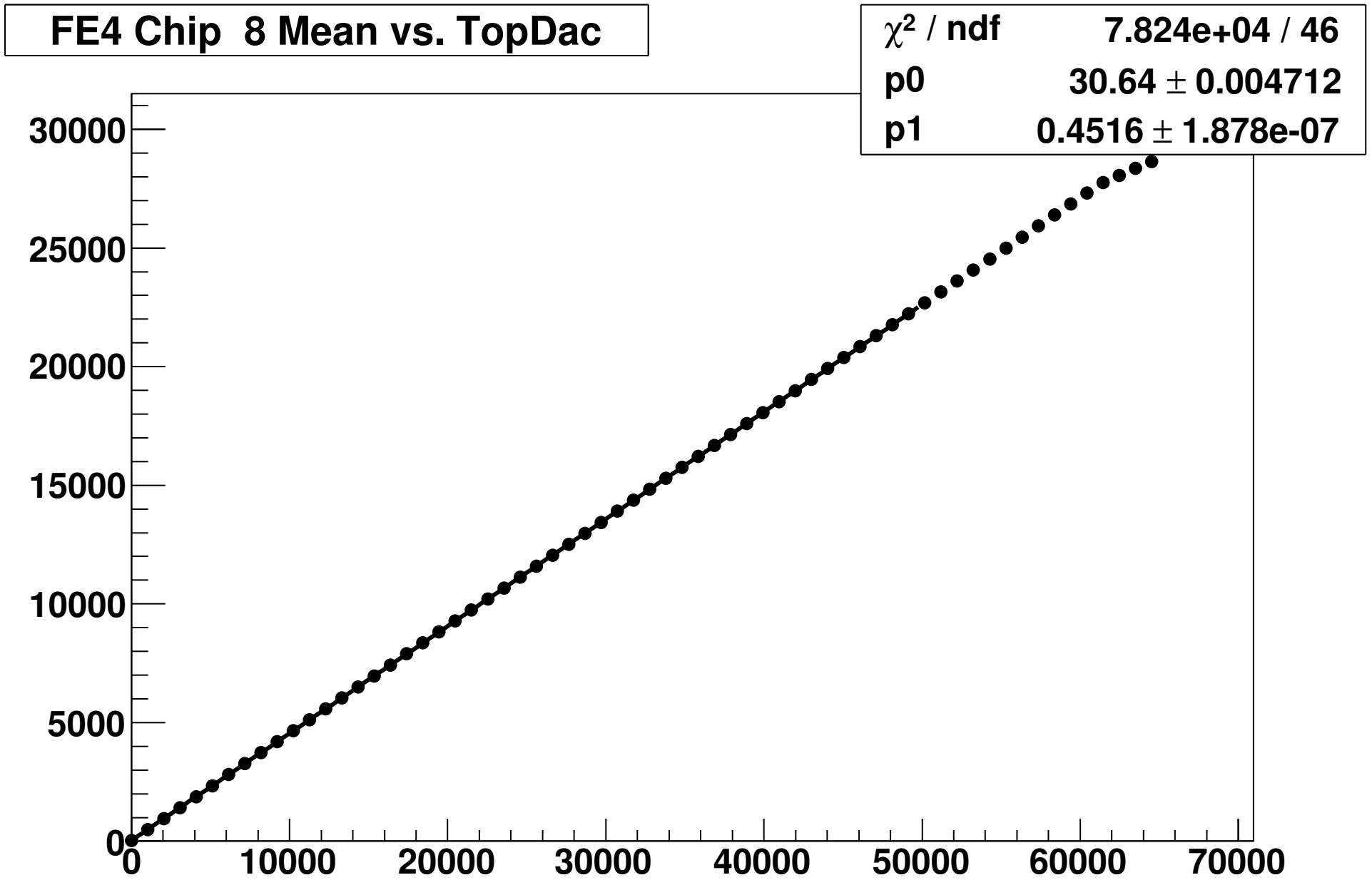
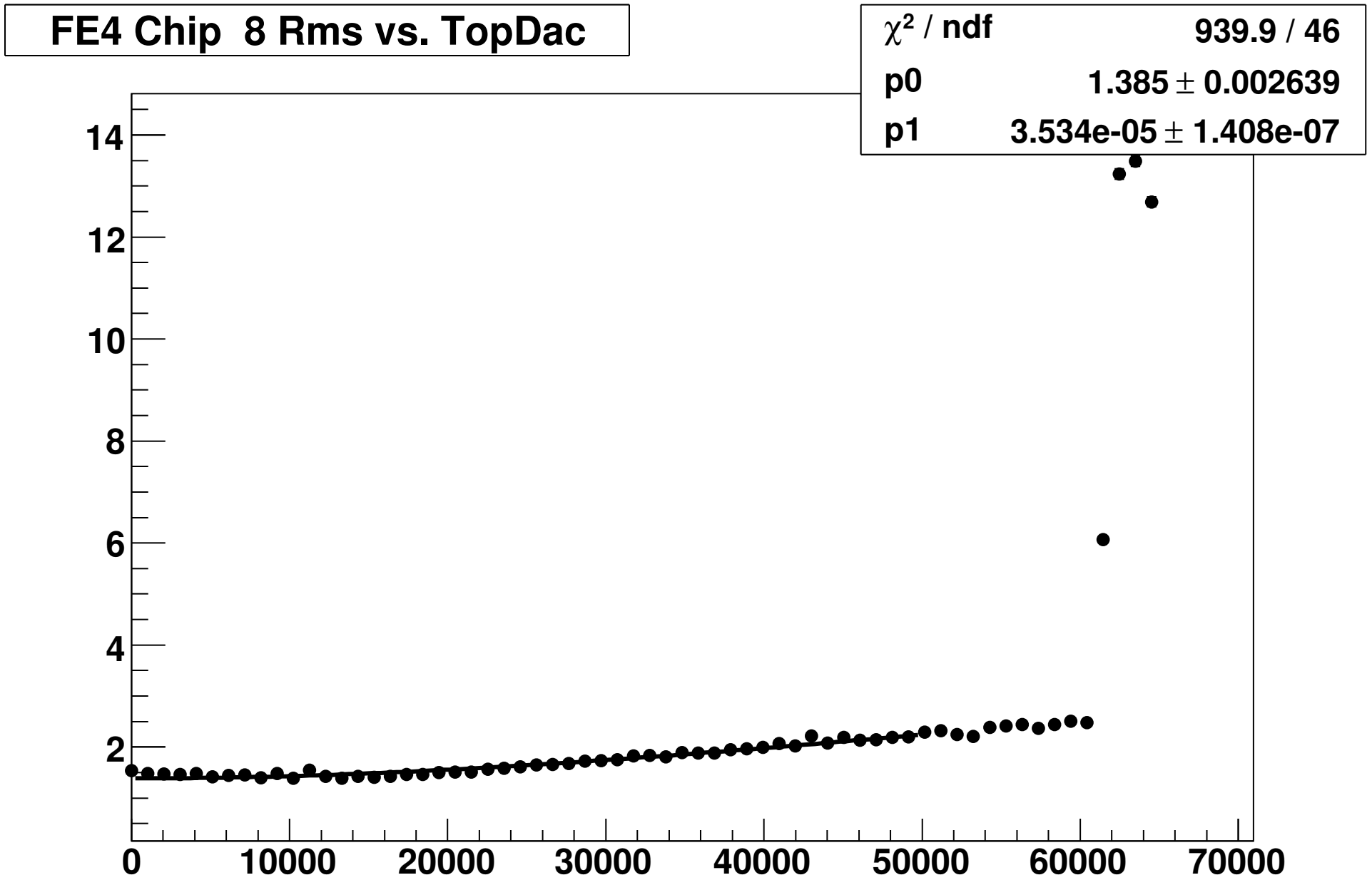
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

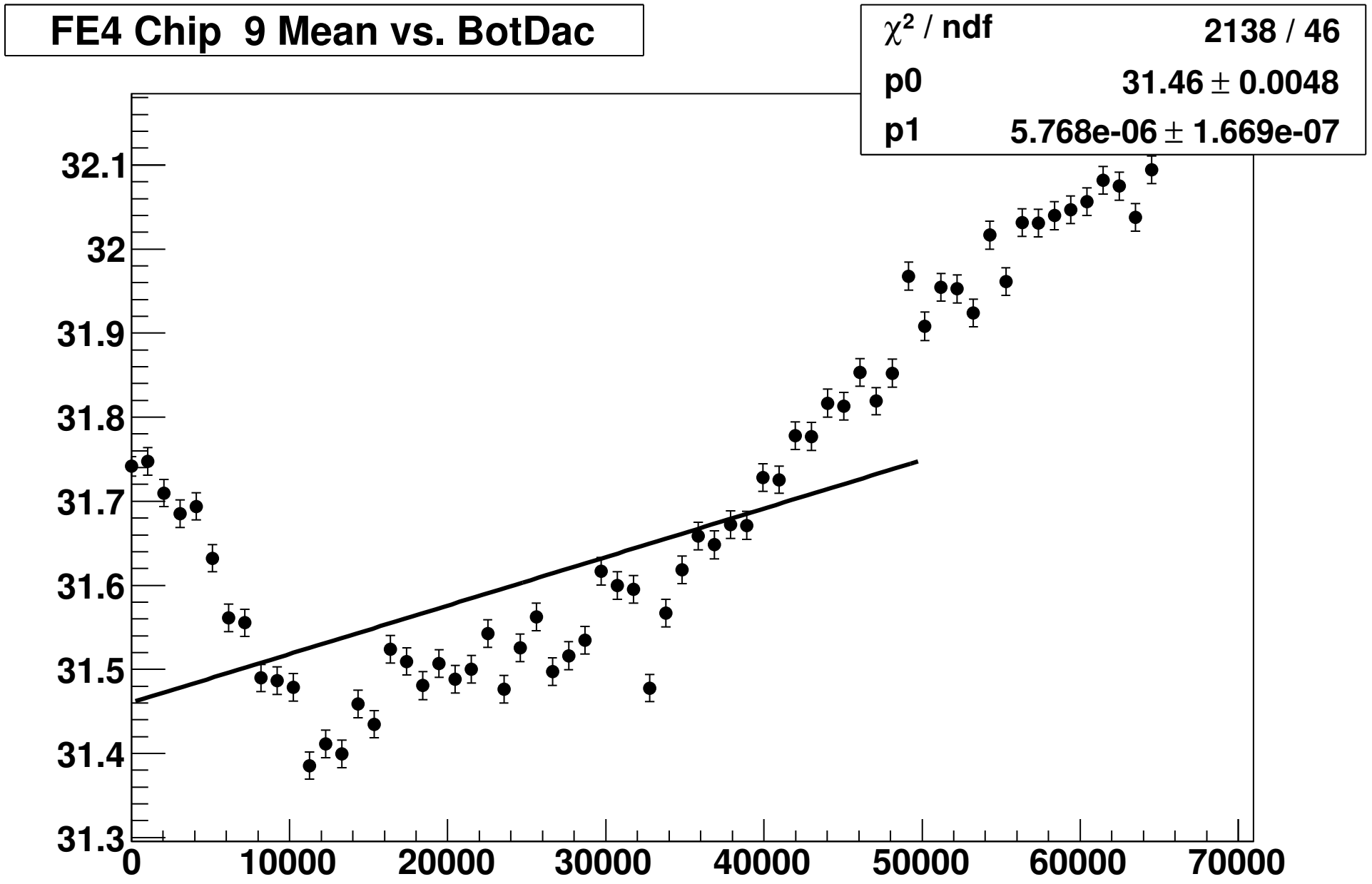

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1242 / 46
p0 1.37 ± 0.002613
p1 3.517e-05 ± 1.39e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

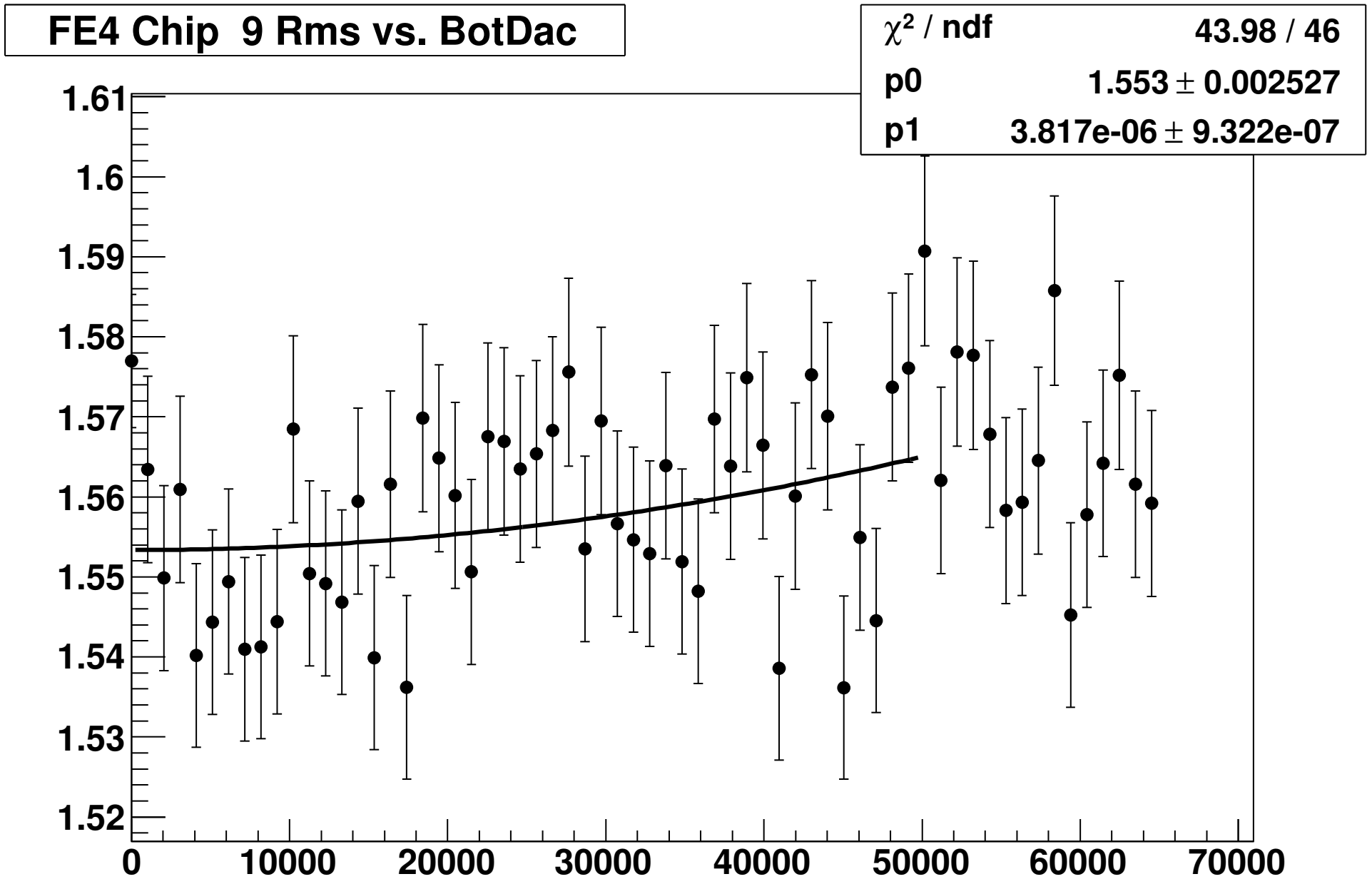

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 2189 / 46
p0 28.35 ± 0.004711
p1 5.7e-06 ± 1.636e-07
29
28.9
28.8
28.7
28.6
28.5
28.4
28.3
28.2
0
10000
20000
30000
40000
50000
60000
70000

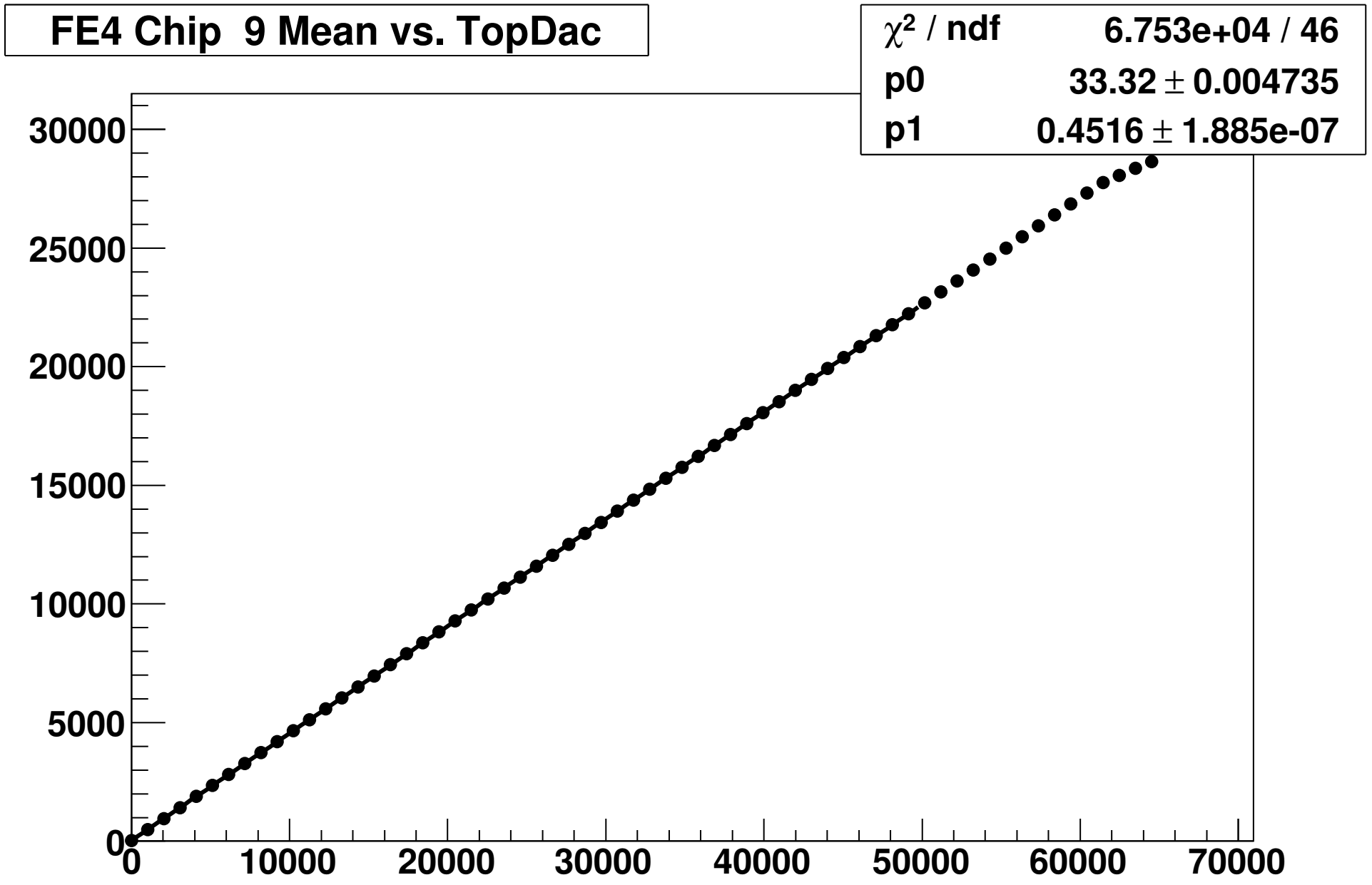

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 52.07 / 46
p0 1.526 ± 0.00248
p1 2.415e-06 ± 1.416e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

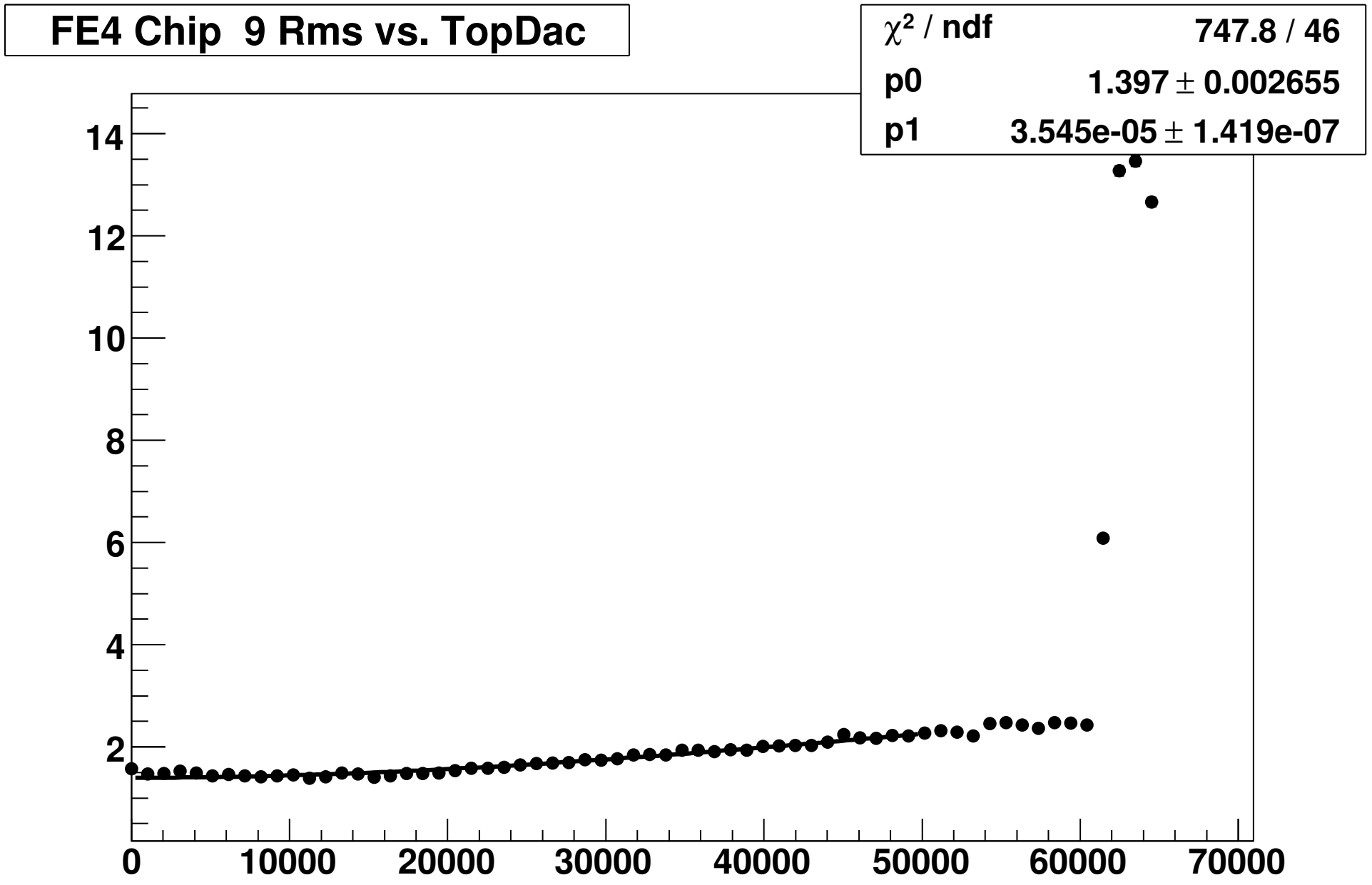

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 7.824e+04 / 46
p0 30.64 ± 0.004712
p1 0.4516 ± 1.878e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 939.9 / 46
p0 1.385 ± 0.002639
p1 3.534e-05 ± 1.408e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 2138 / 46
p0 31.46 ± 0.0048
p1 5.768e-06 ± 1.669e-07
32.1
32
31.9
31.8
31.7
31.6
31.5
31.4
31.3
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 43.98 / 46
p0 1.553 ± 0.002527
p1 3.817e-06 ± 9.322e-07
1.61
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 9 Mean vs. TopDac
χ² / ndf 6.753e+04 / 46
p0 33.32 ± 0.004735
p1 0.4516 ± 1.885e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 747.8 / 46
p0 1.397 ± 0.002655
p1 3.545e-05 ± 1.419e-07
14
12
10
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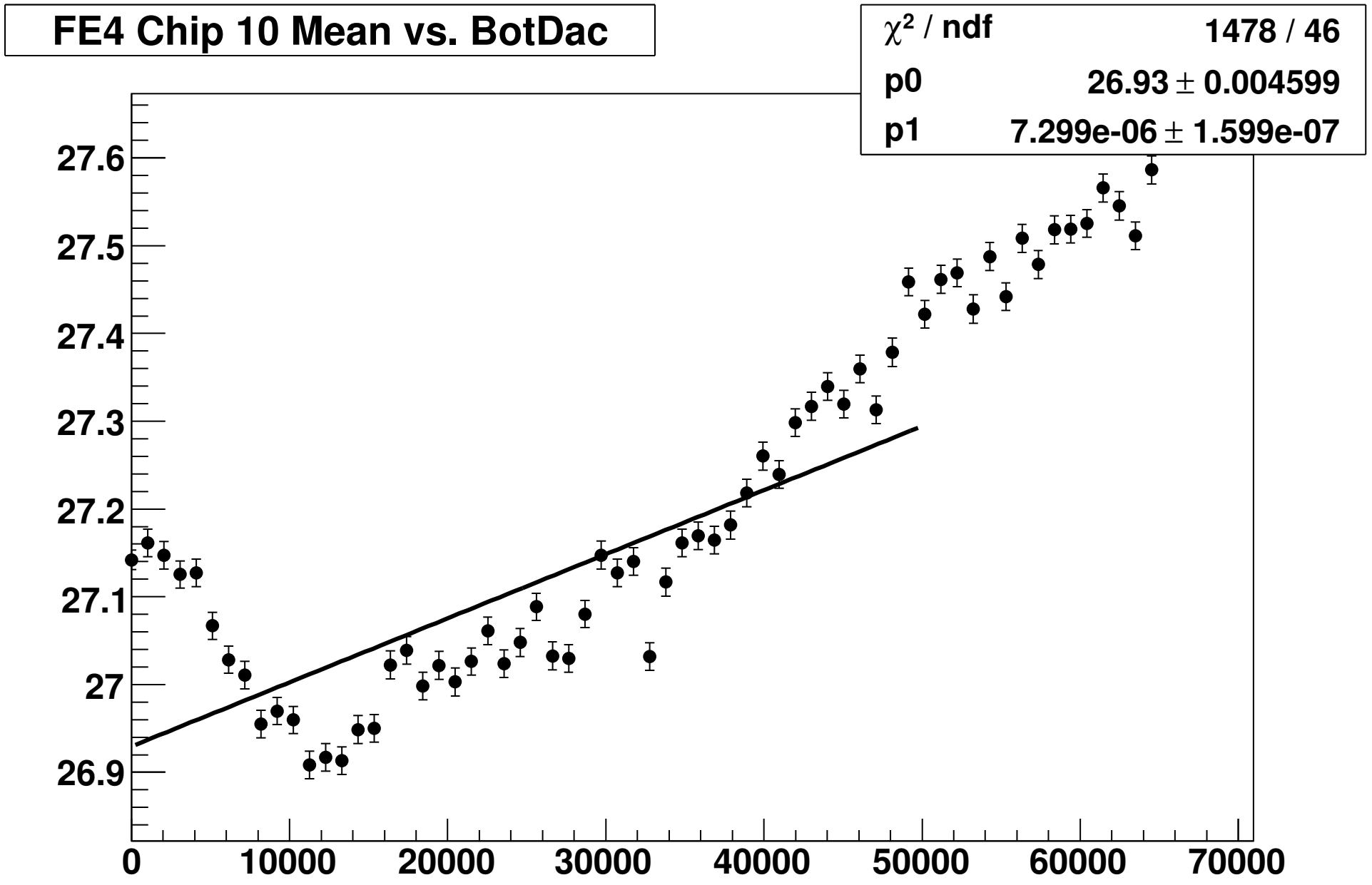
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 1478 / 46
p0 26.93 ± 0.004599
p1 7.299e-06 ± 1.599e-07
27.6
27.5
27.4
27.3
27.2
27.1
27
26.9
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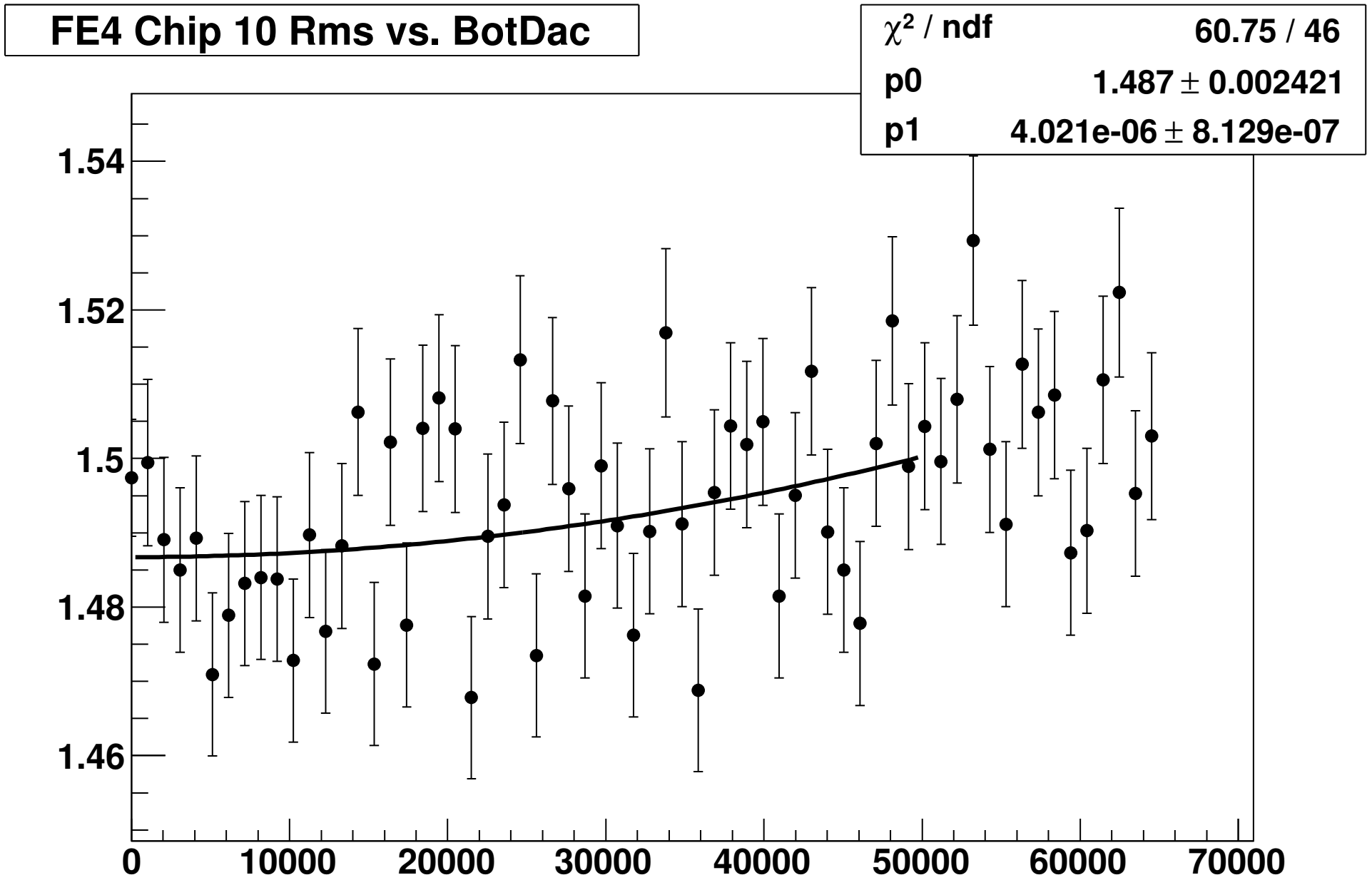
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 60.75 / 46
p0 1.487 ± 0.002421
p1 4.021e-06 ± 8.129e-07
1.54
1.52
1.5
1.48
1.46
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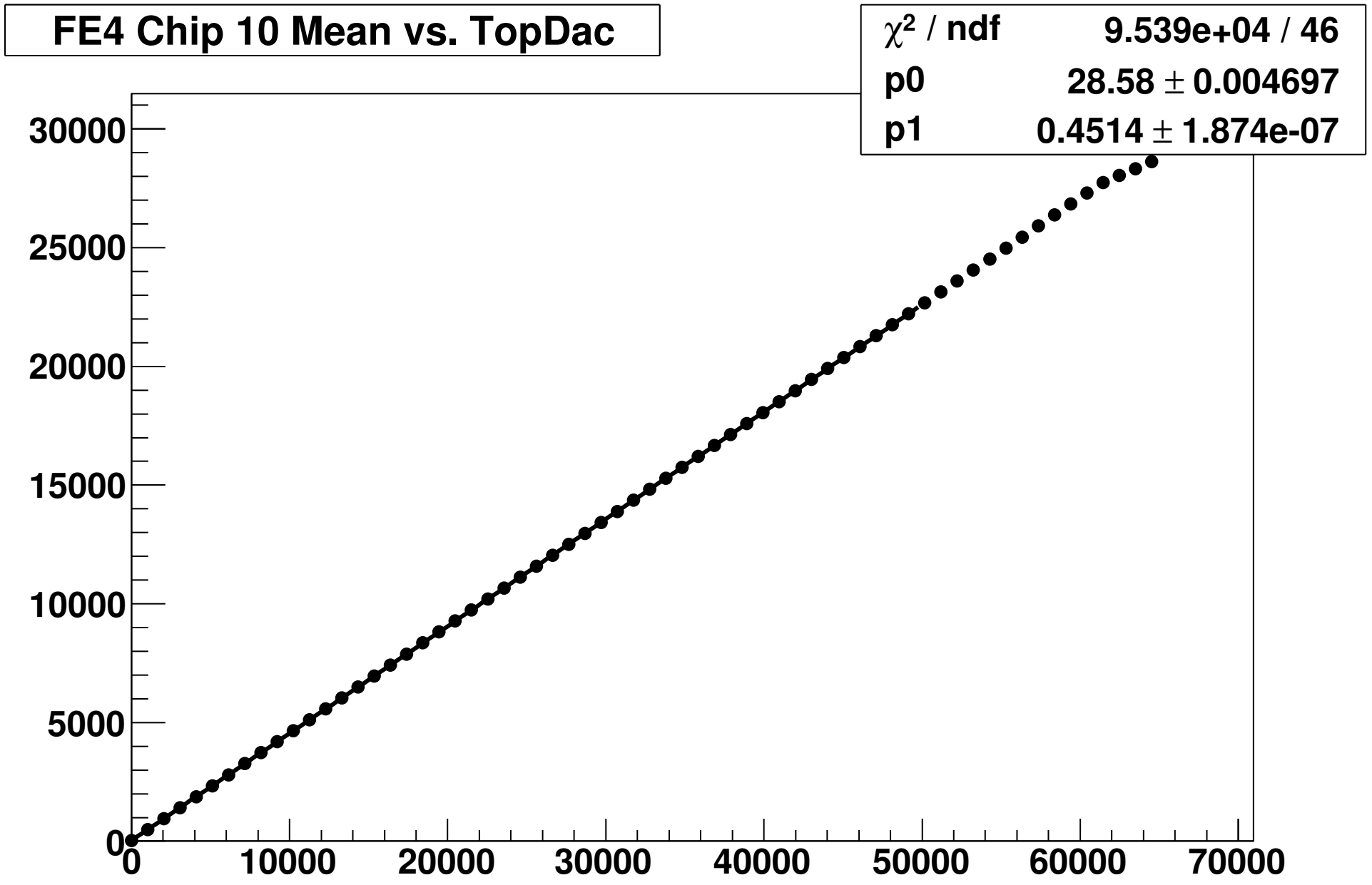
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 9.539e+04 / 46
p0 28.58 ± 0.004697
p1 0.4514 ± 1.874e-07
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15000
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5000
0
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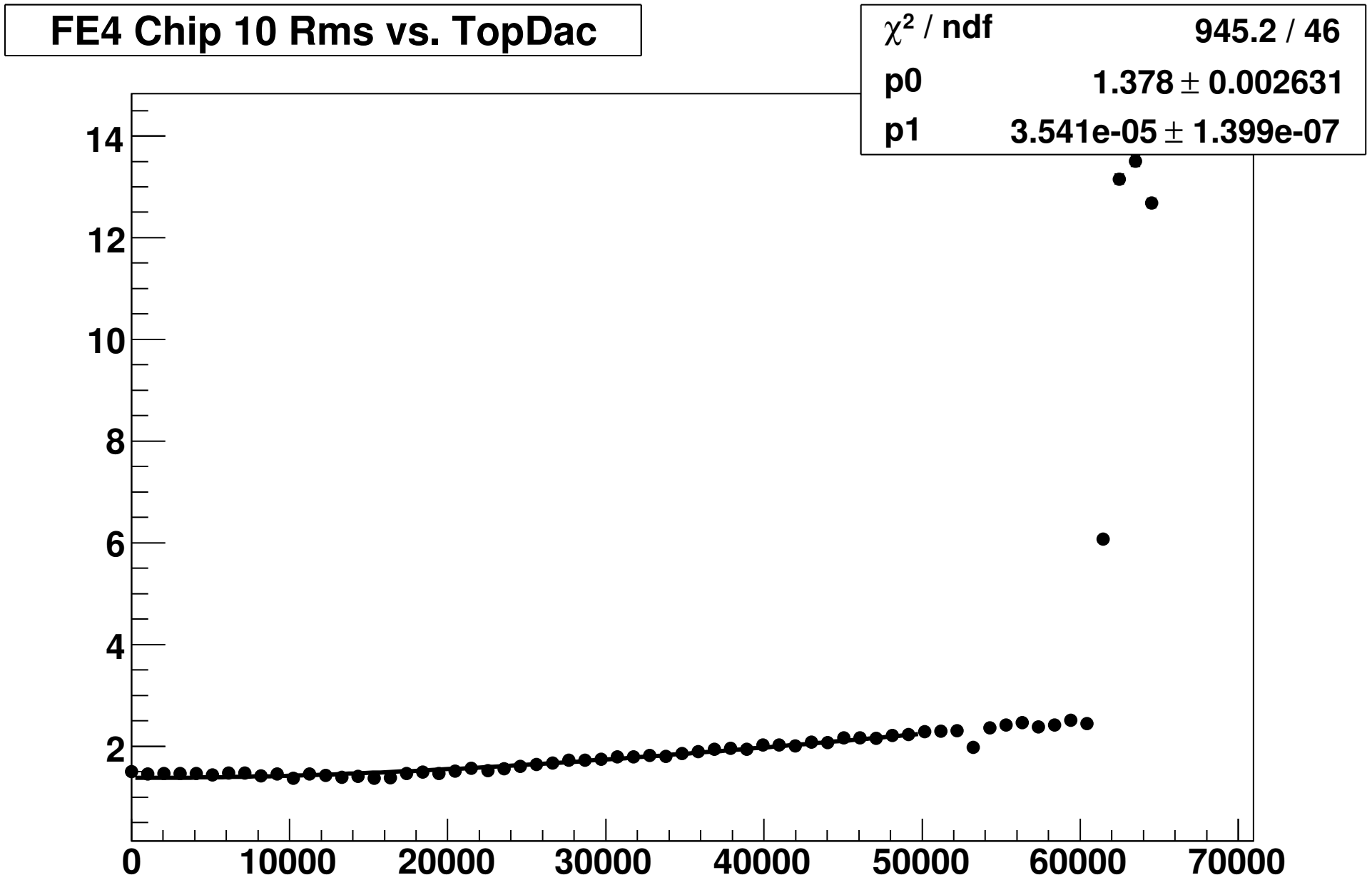
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 945.2 / 46
p0 1.378 ± 0.002631
p1 3.541e-05 ± 1.399e-07
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12
10
8
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4
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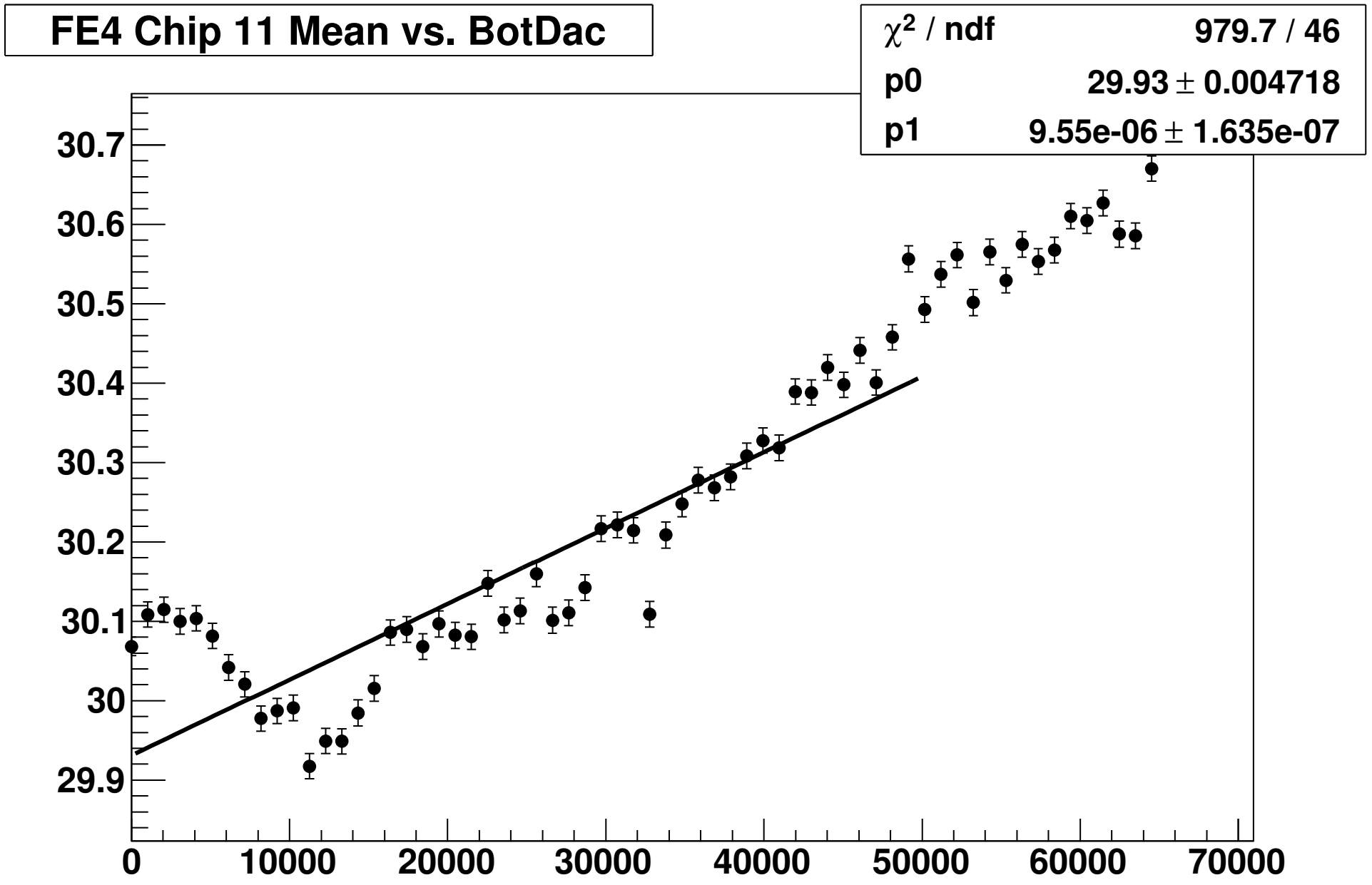
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 979.7 / 46
p0 29.93 ± 0.004718
p1 9.55e-06 ± 1.635e-07
30.7
30.6
30.5
30.4
30.3
30.2
30.1
30
29.9
0
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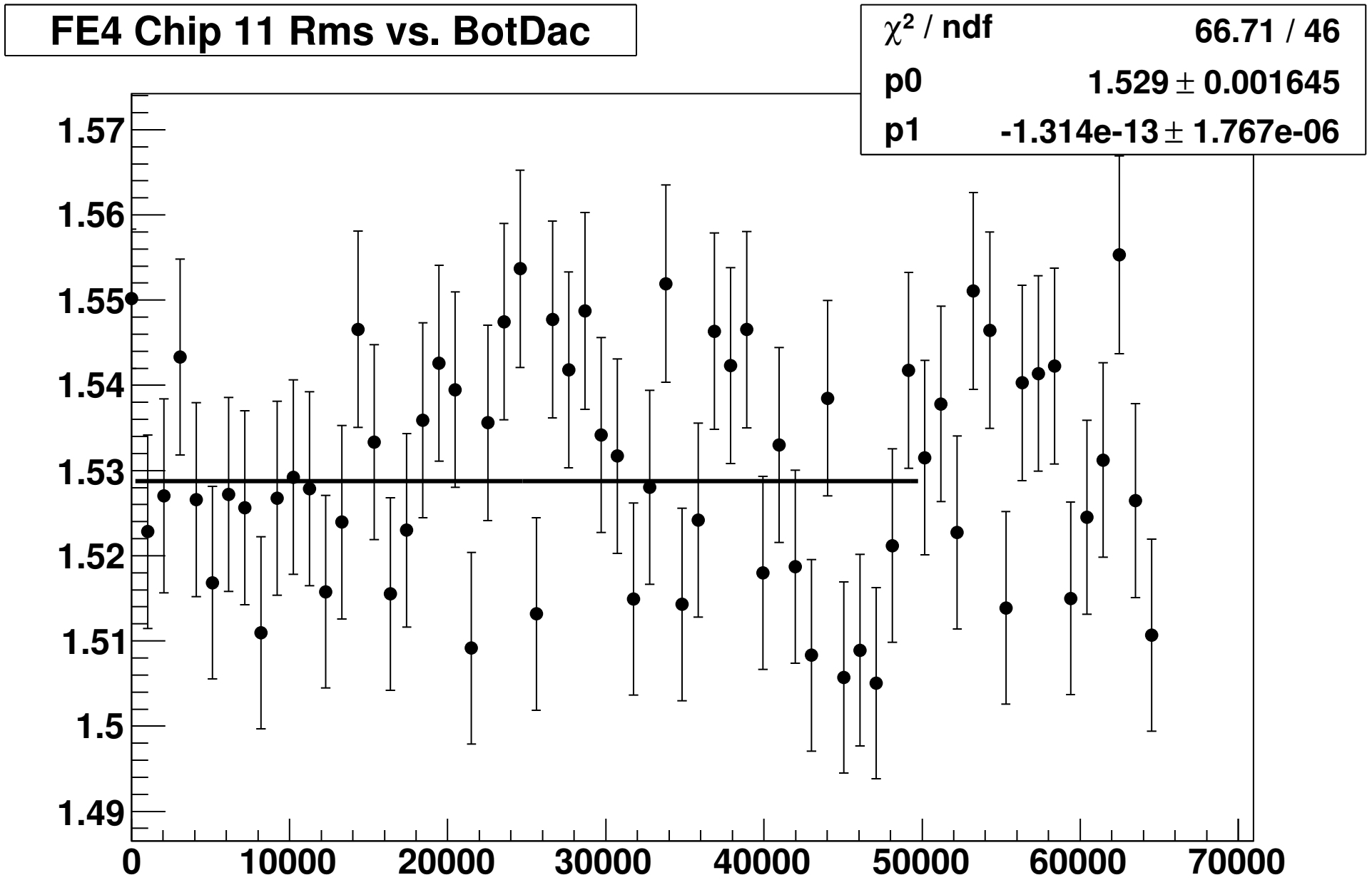
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 66.71 / 46
p0 1.529 ± 0.001645
p1 -1.314e-13 ± 1.767e-06
1.57
1.56
1.55
1.54
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1.52
1.51
1.5
1.49
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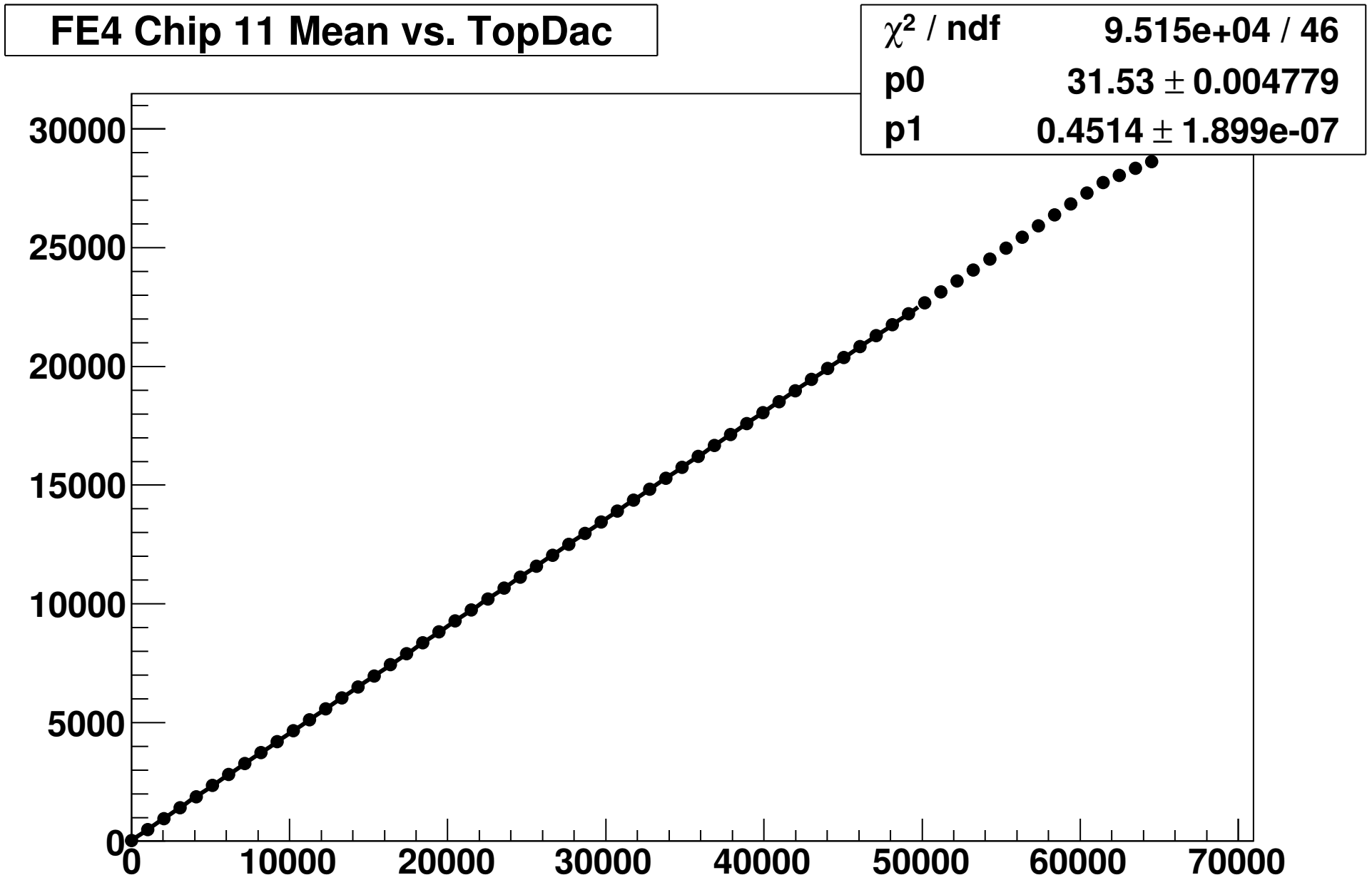
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 9.515e+04 / 46
p0 31.53 ± 0.004779
p1 0.4514 ± 1.899e-07
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15000
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5000
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20000
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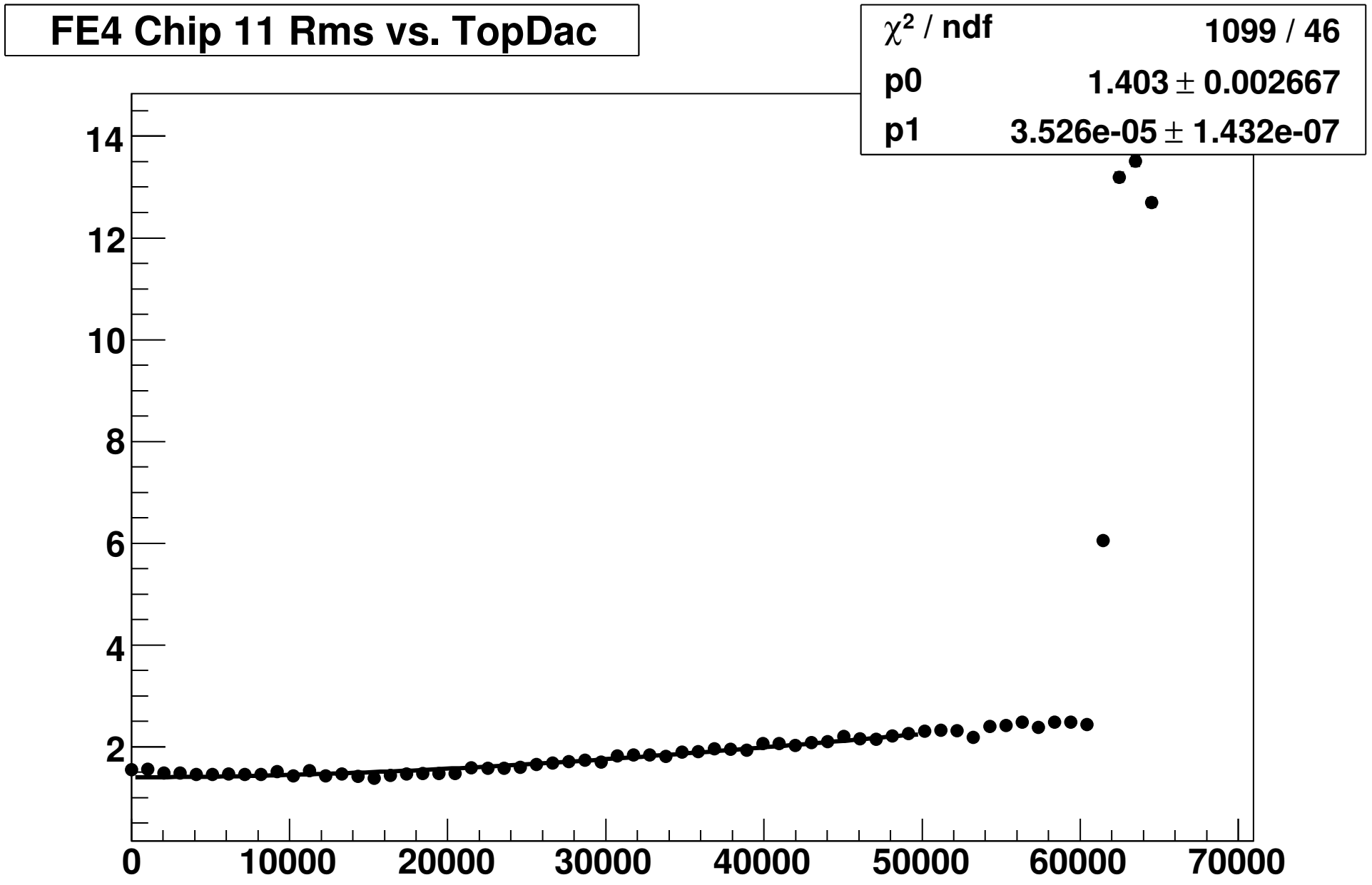
FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1099 / 46
p0 1.403 ± 0.002667
p1 3.526e-05 ± 1.432e-07
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12
10
8
6
4
2
0
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20000
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60000
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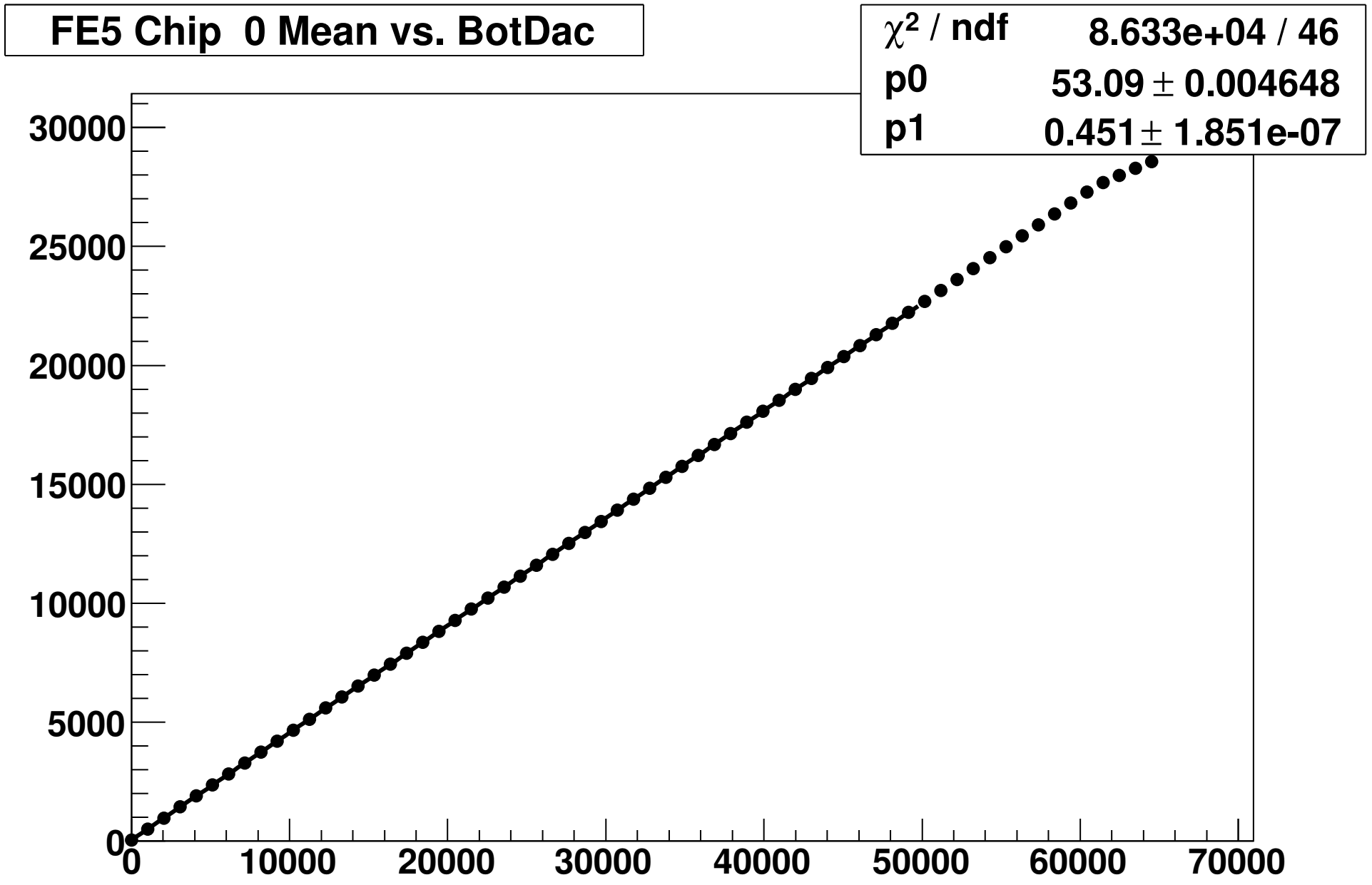
FE5 Chip 0 Mean vs. BotDac
χ² / ndf 8.633e+04 / 46
p0 53.09 ± 0.004648
p1 0.451 ± 1.851e-07
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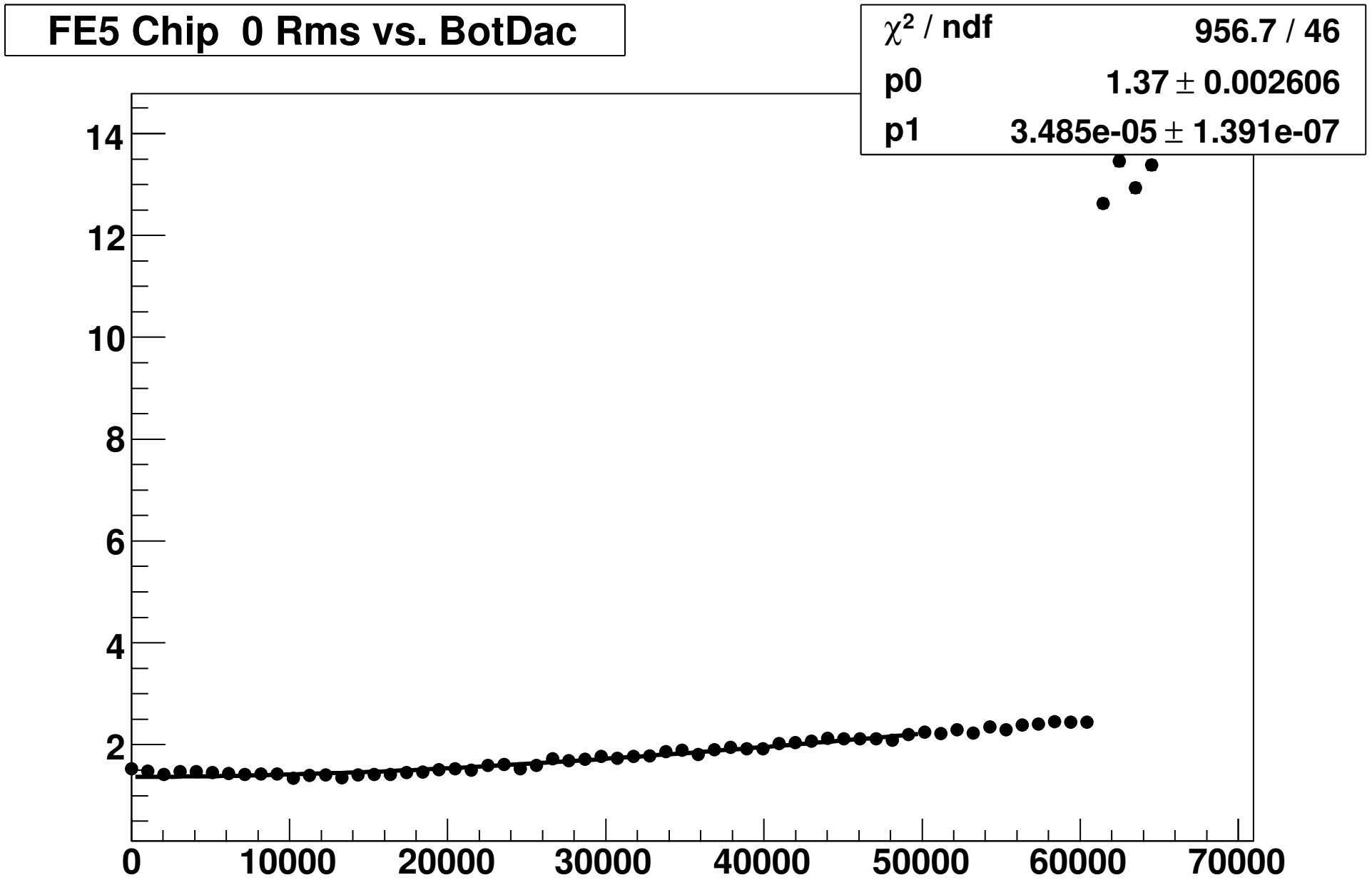
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 956.7 / 46
p0 1.37 ± 0.002606
p1 3.485e-05 ± 1.391e-07
14
12
10
8
6
4
2
0
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20000
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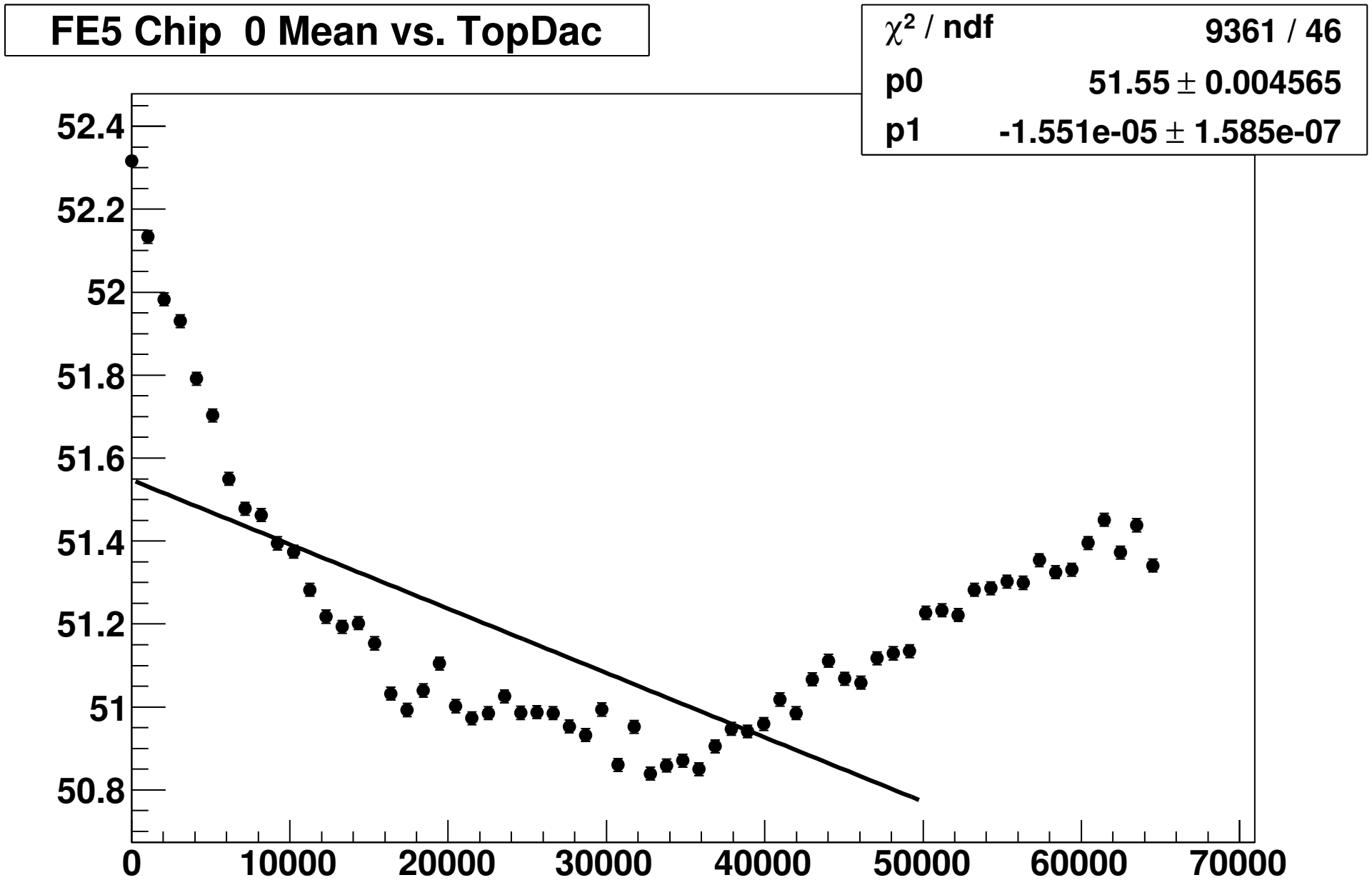
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 9361 / 46
p0 51.55 ± 0.004565
p1 -1.551e-05 ± 1.585e-07
52.4
52.2
52
51.8
51.6
51.4
51.2
51
50.8
0
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60000
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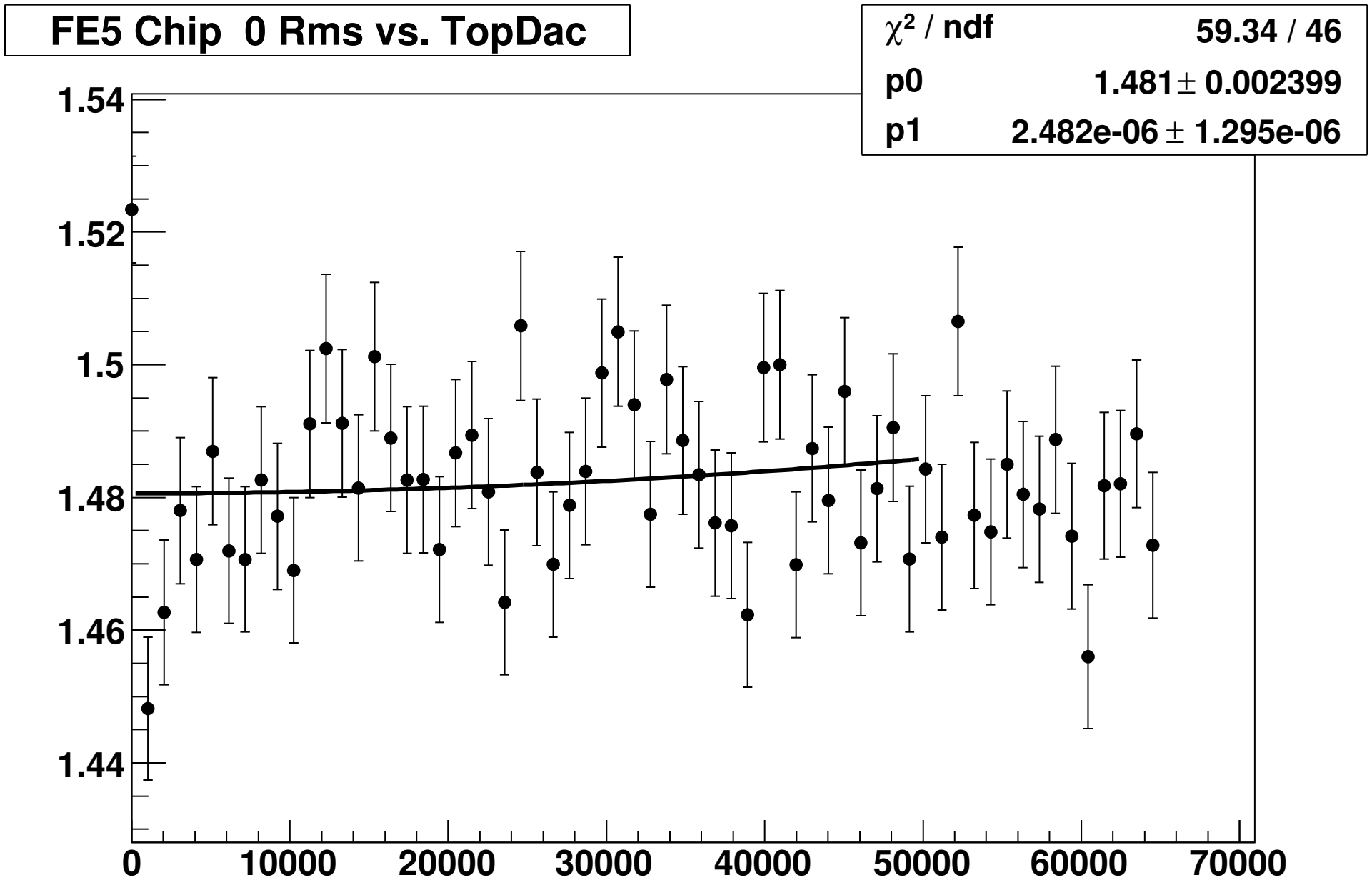
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 59.34 / 46
p0 1.481 ± 0.002399
p1 2.482e-06 ± 1.295e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
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20000
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50000
60000
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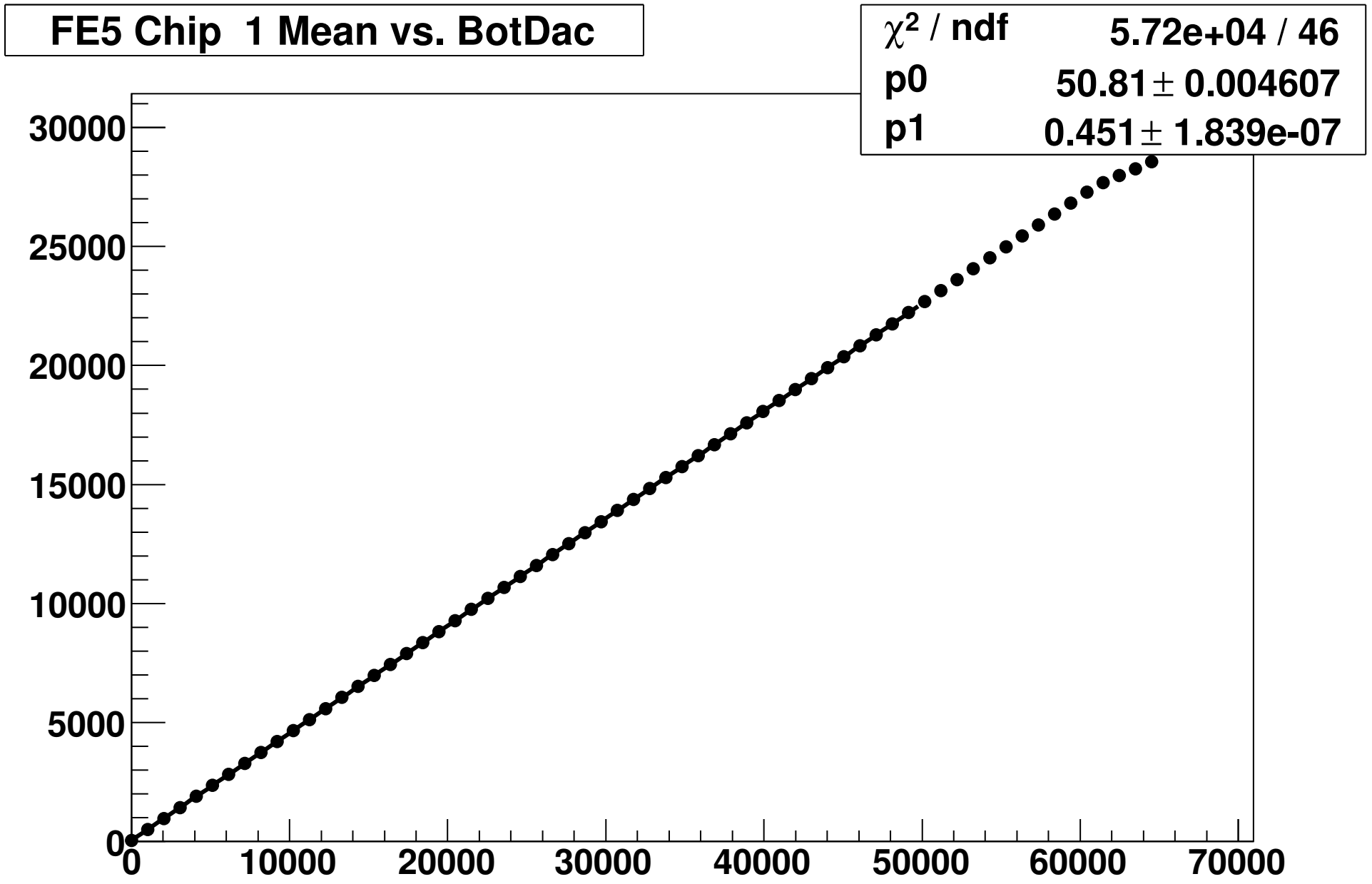
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.72e+04 / 46
p0 50.81 ± 0.004607
p1 0.451 ± 1.839e-07
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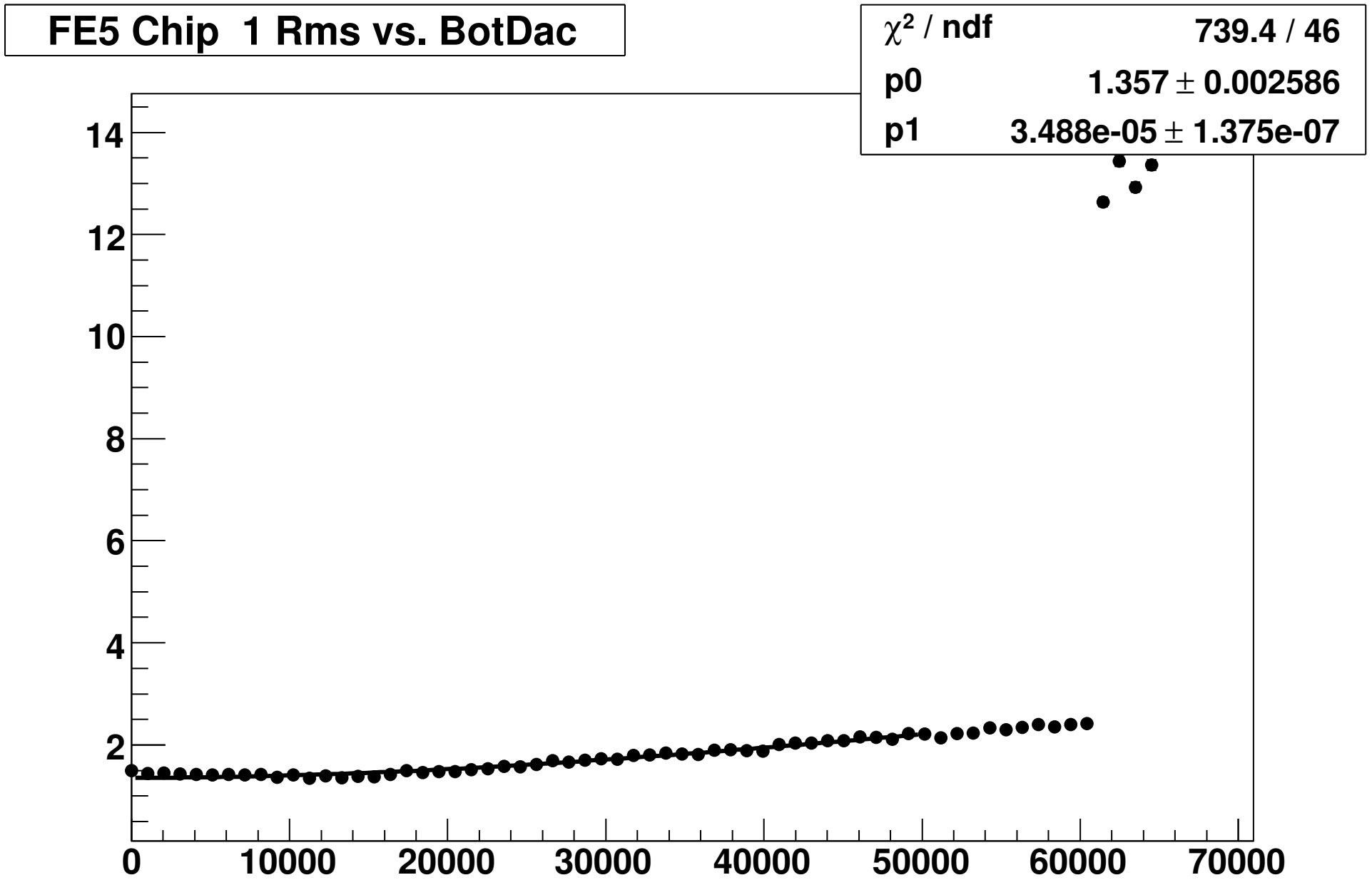
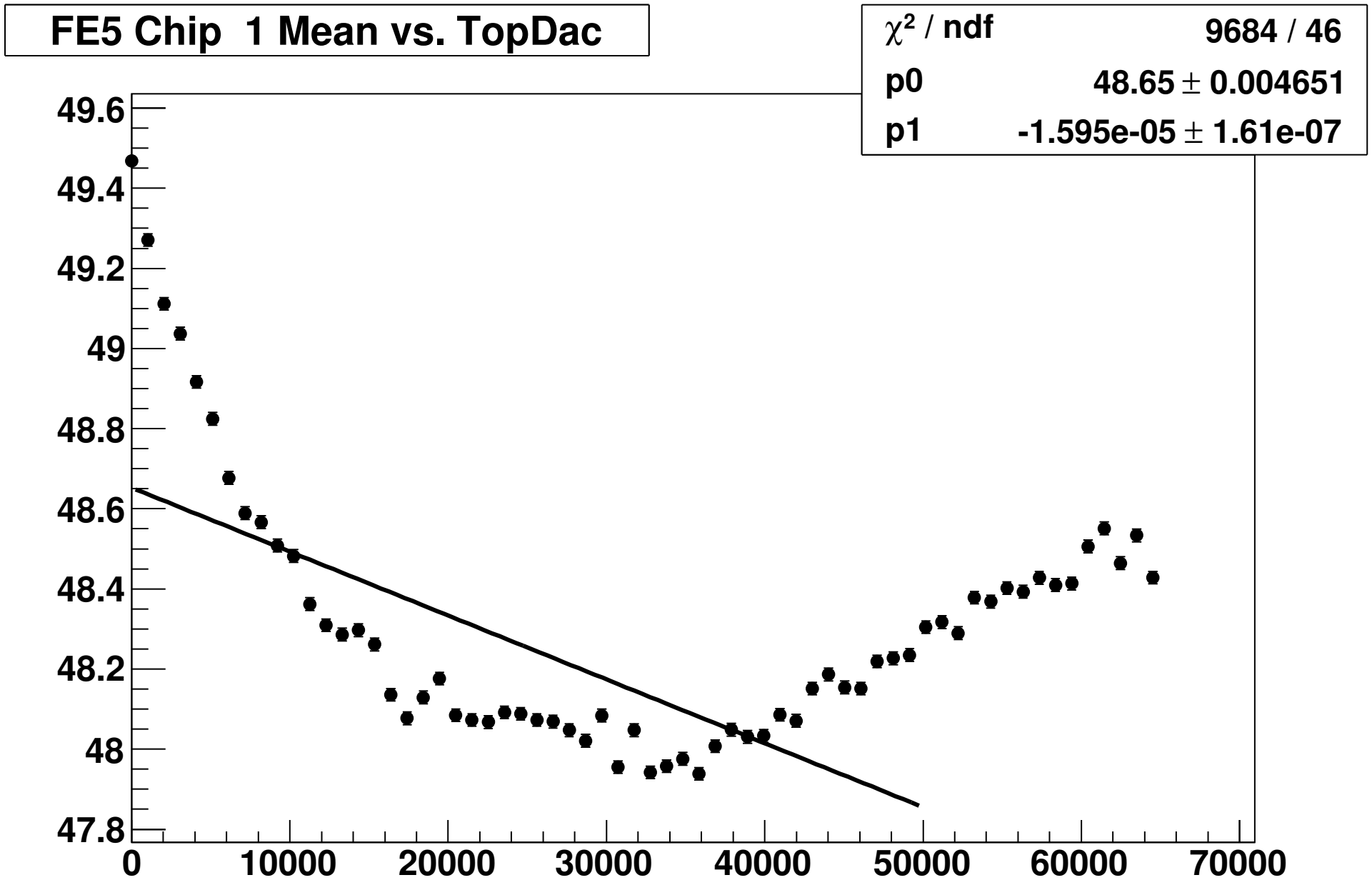
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 739.4 / 46
p0 1.357 ± 0.002586
p1 3.488e-05 ± 1.375e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 9684 / 46
p0 48.65 ± 0.004651
p1 -1.595e-05 ± 1.61e-07
49.6
49.4
49.2
49
48.8
48.6
48.4
48.2
48
47.8
0
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20000
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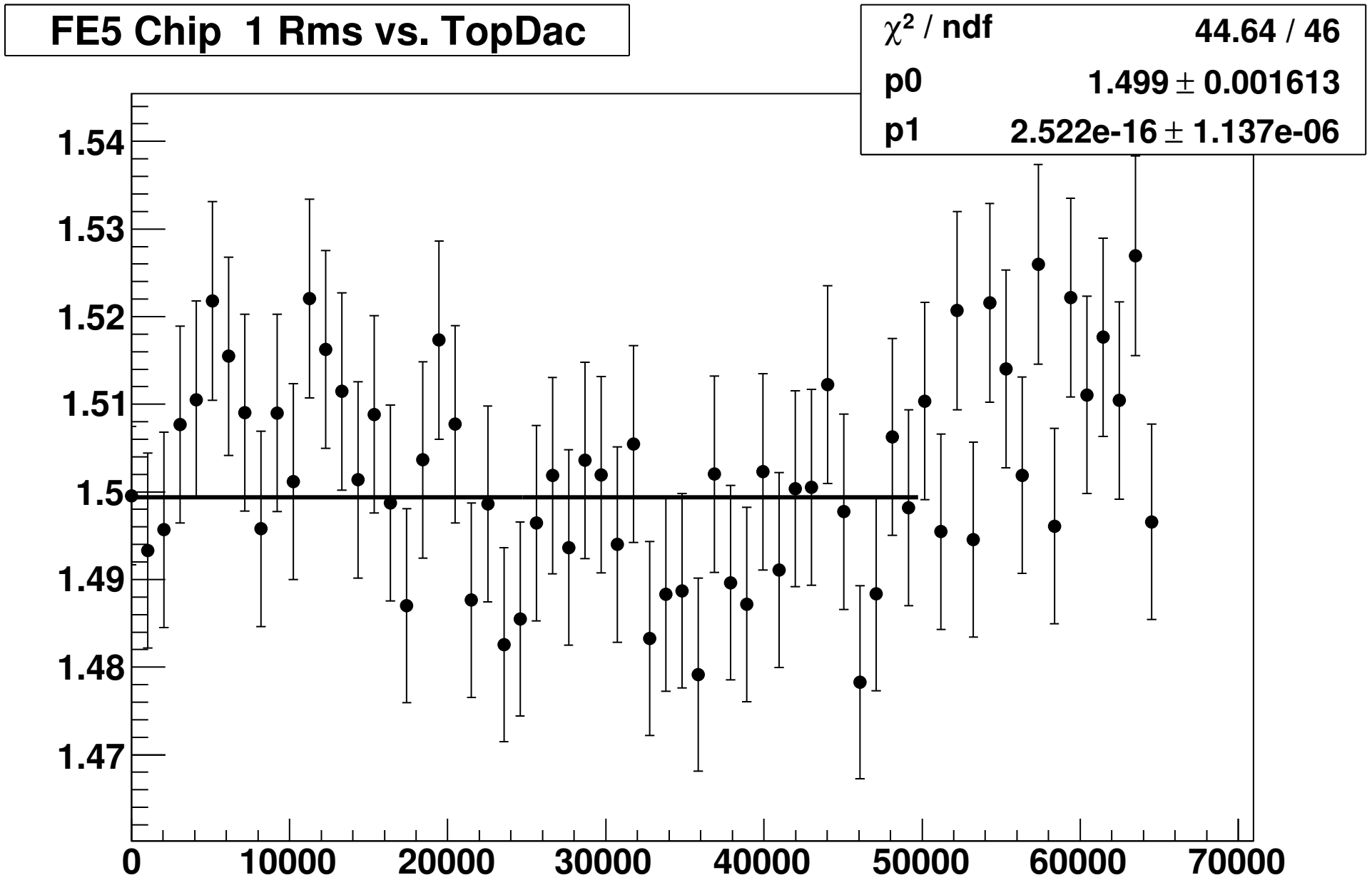
FE5 Chip 1 Rms vs. TopDac
χ² / ndf 44.64 / 46
p0 1.499 ± 0.001613
p1 2.522e-16 ± 1.137e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
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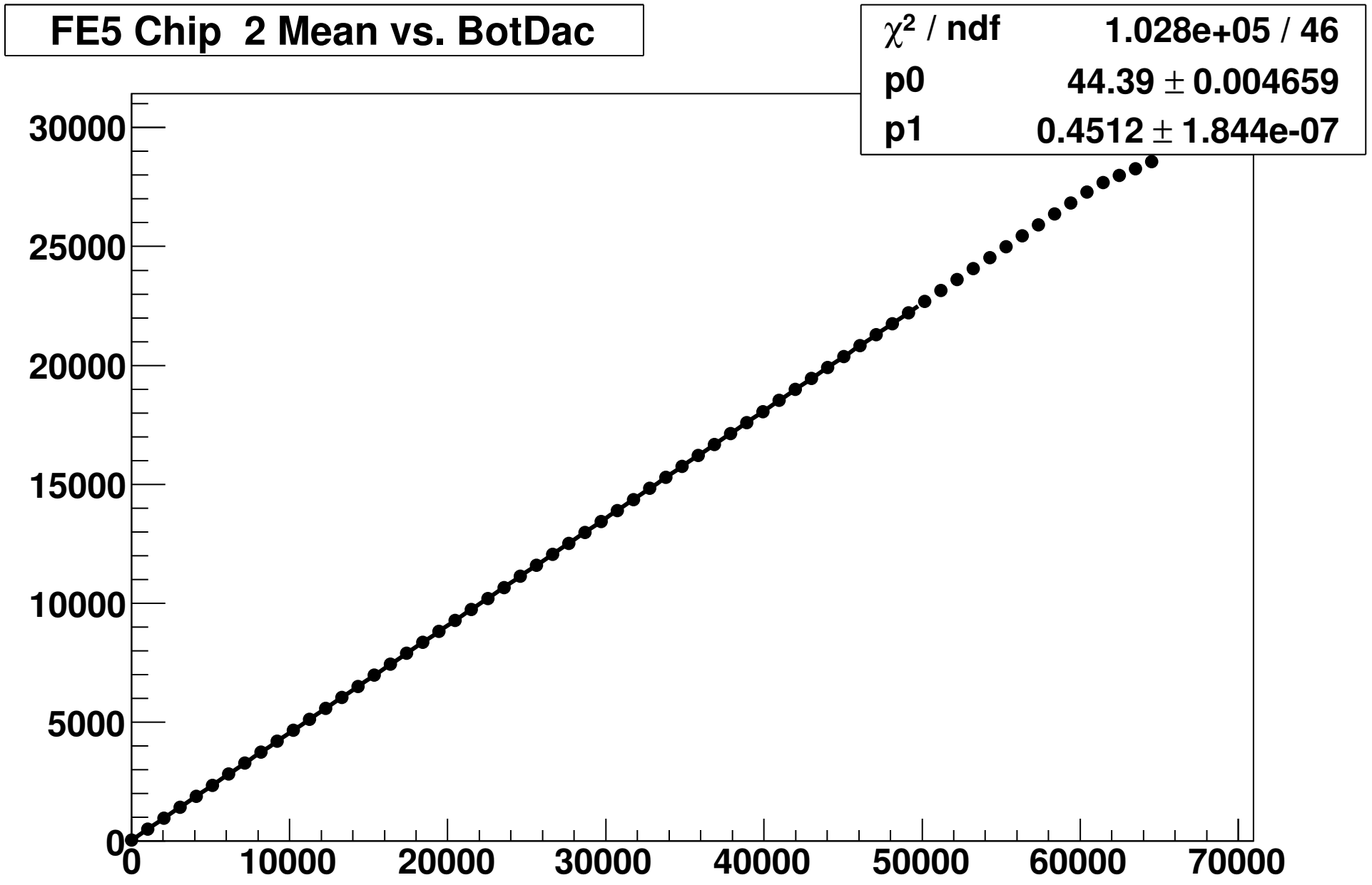
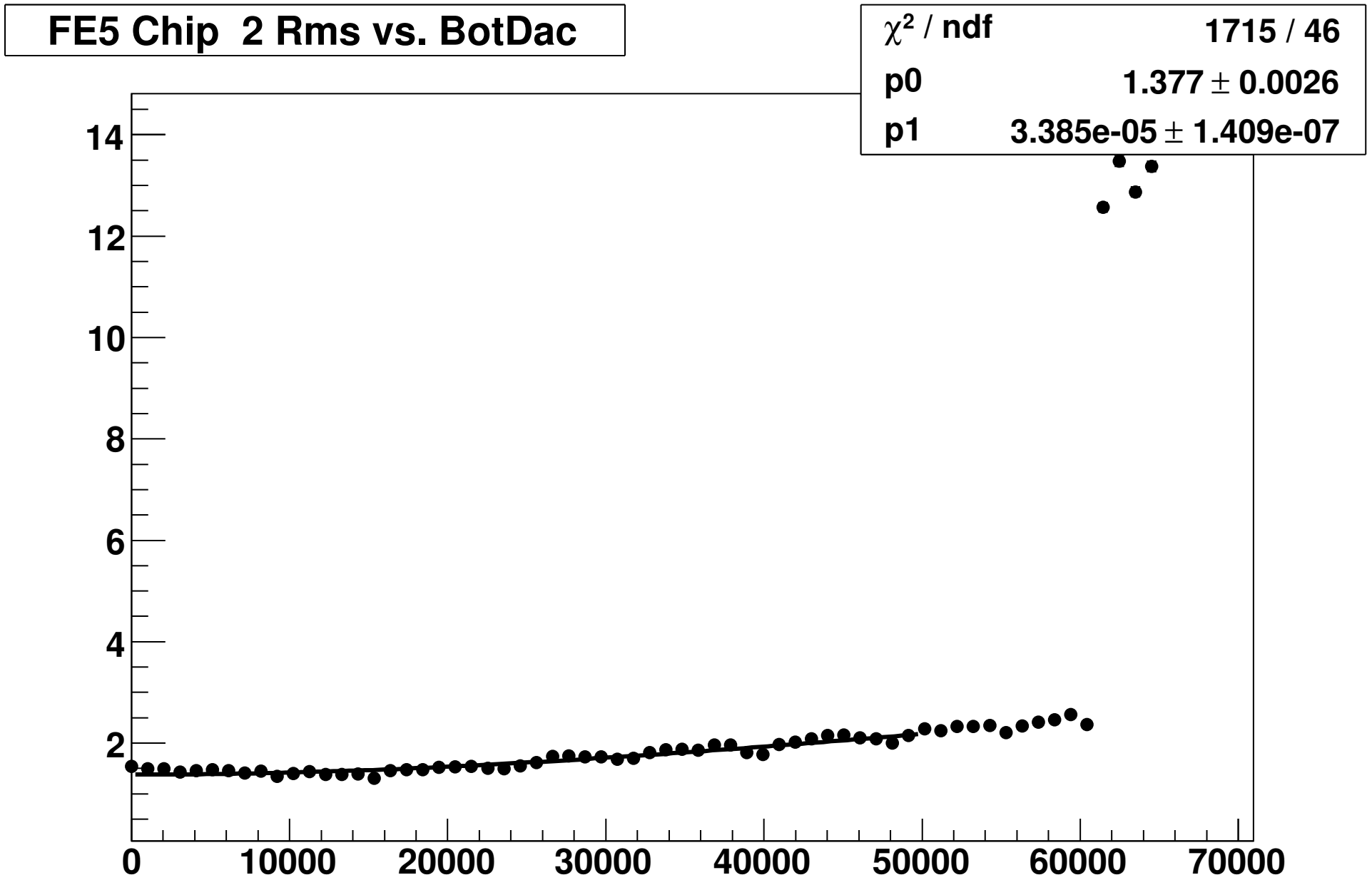

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.028e+05 / 46
p0 44.39 ± 0.004659
p1 0.4512 ± 1.844e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1715 / 46
p0 1.377 ± 0.0026
p1 3.385e-05 ± 1.409e-07
14
12
10
8
6
4
2
0
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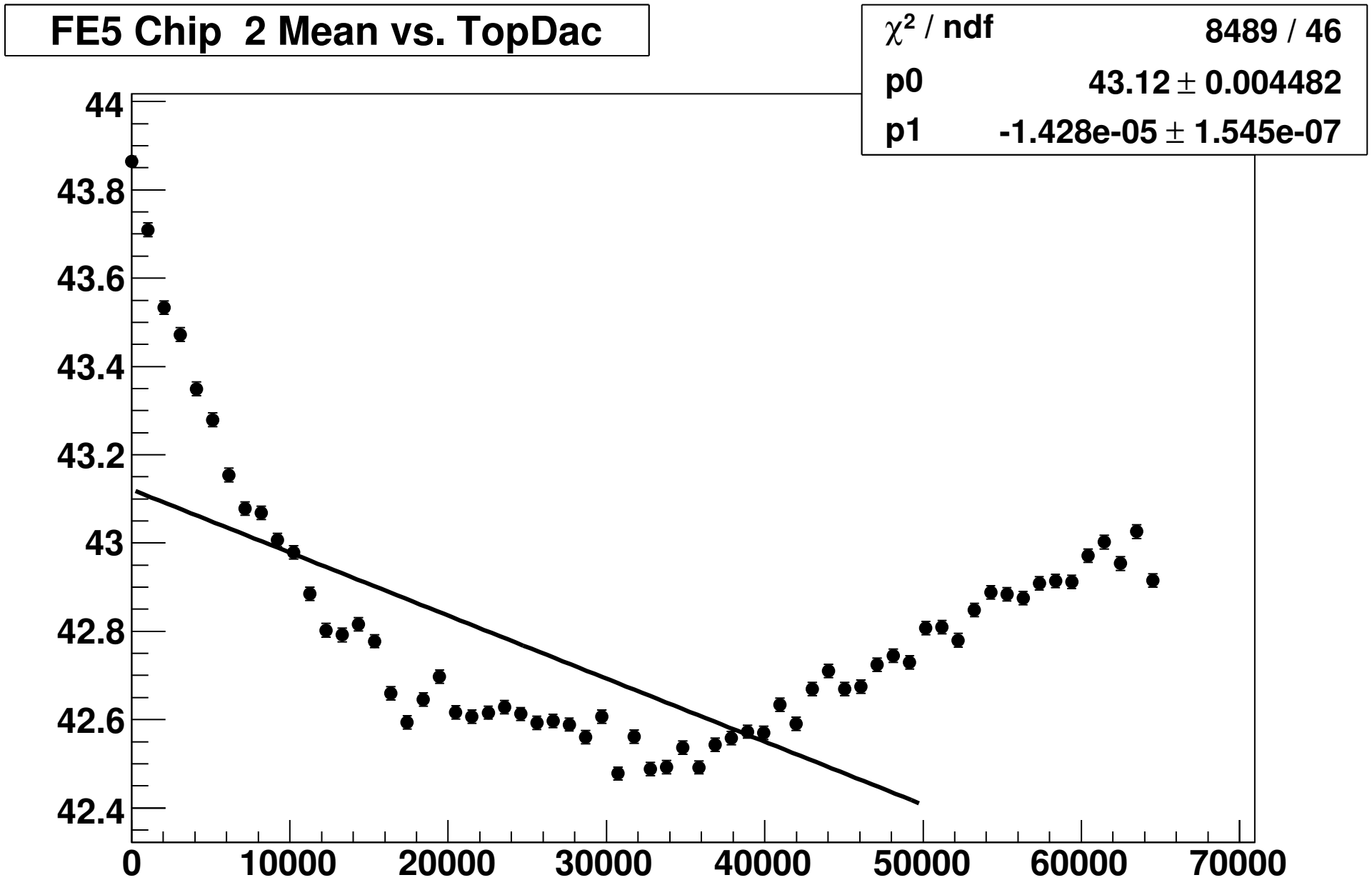
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 8489 / 46
p0 43.12 ± 0.004482
p1 -1.428e-05 ± 1.545e-07
44
43.8
43.6
43.4
43.2
43
42.8
42.6
42.4
0
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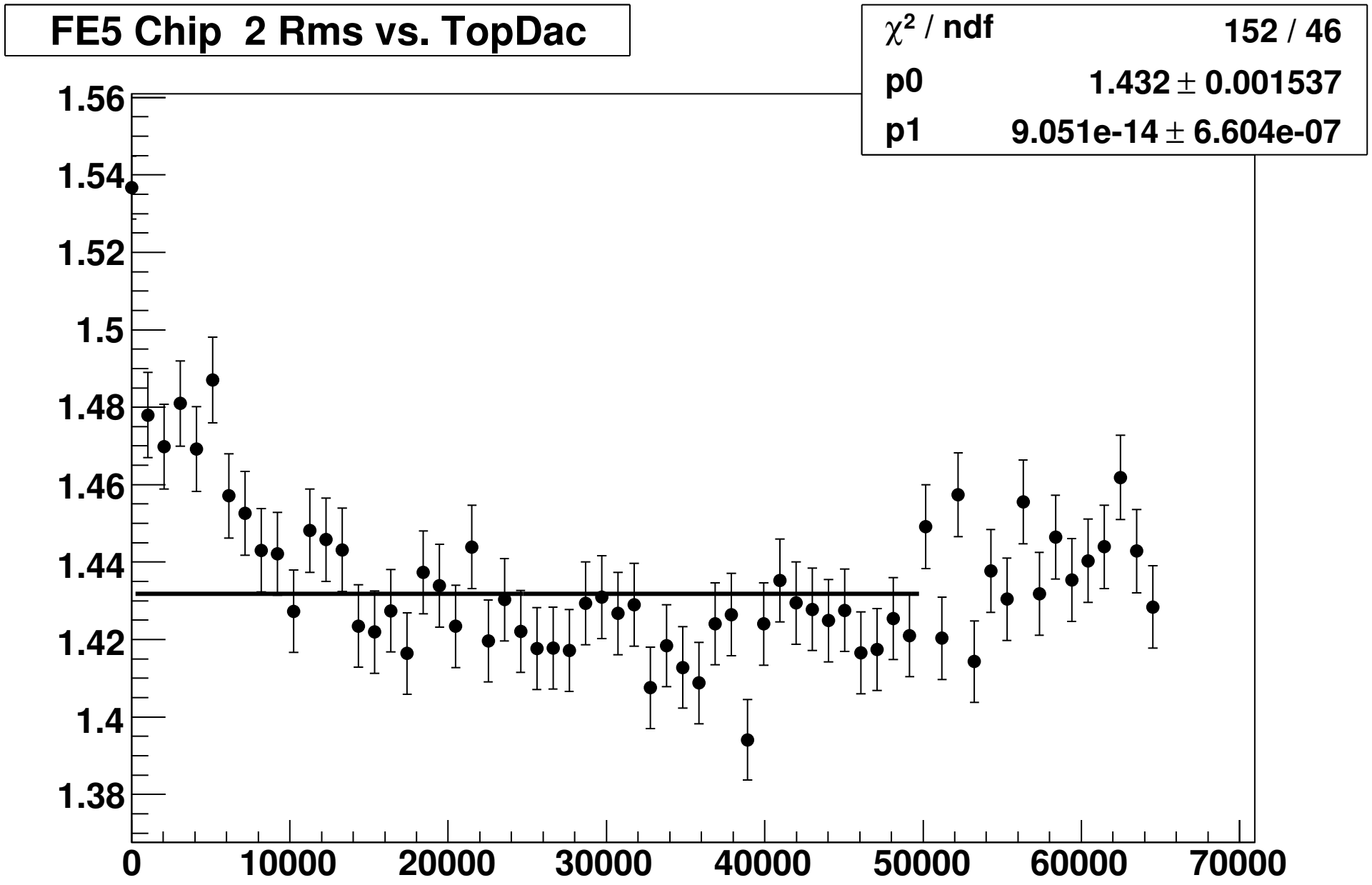
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 152 / 46
p0 1.432 ± 0.001537
p1 9.051e-14 ± 6.604e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
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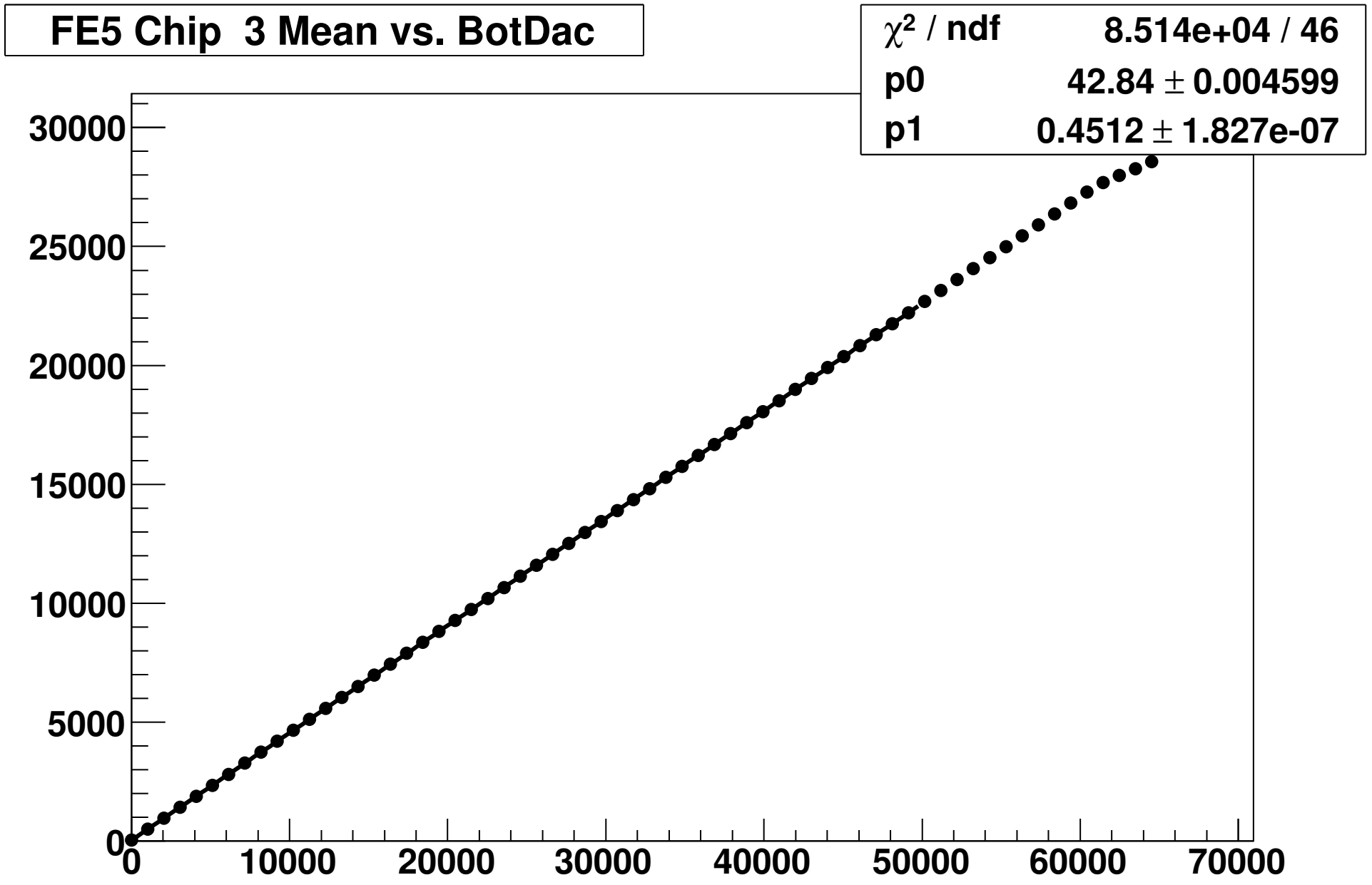
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 8.514e+04 / 46
p0 42.84 ± 0.004599
p1 0.4512 ± 1.827e-07
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25000
20000
15000
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5000
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0
10000
20000
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50000
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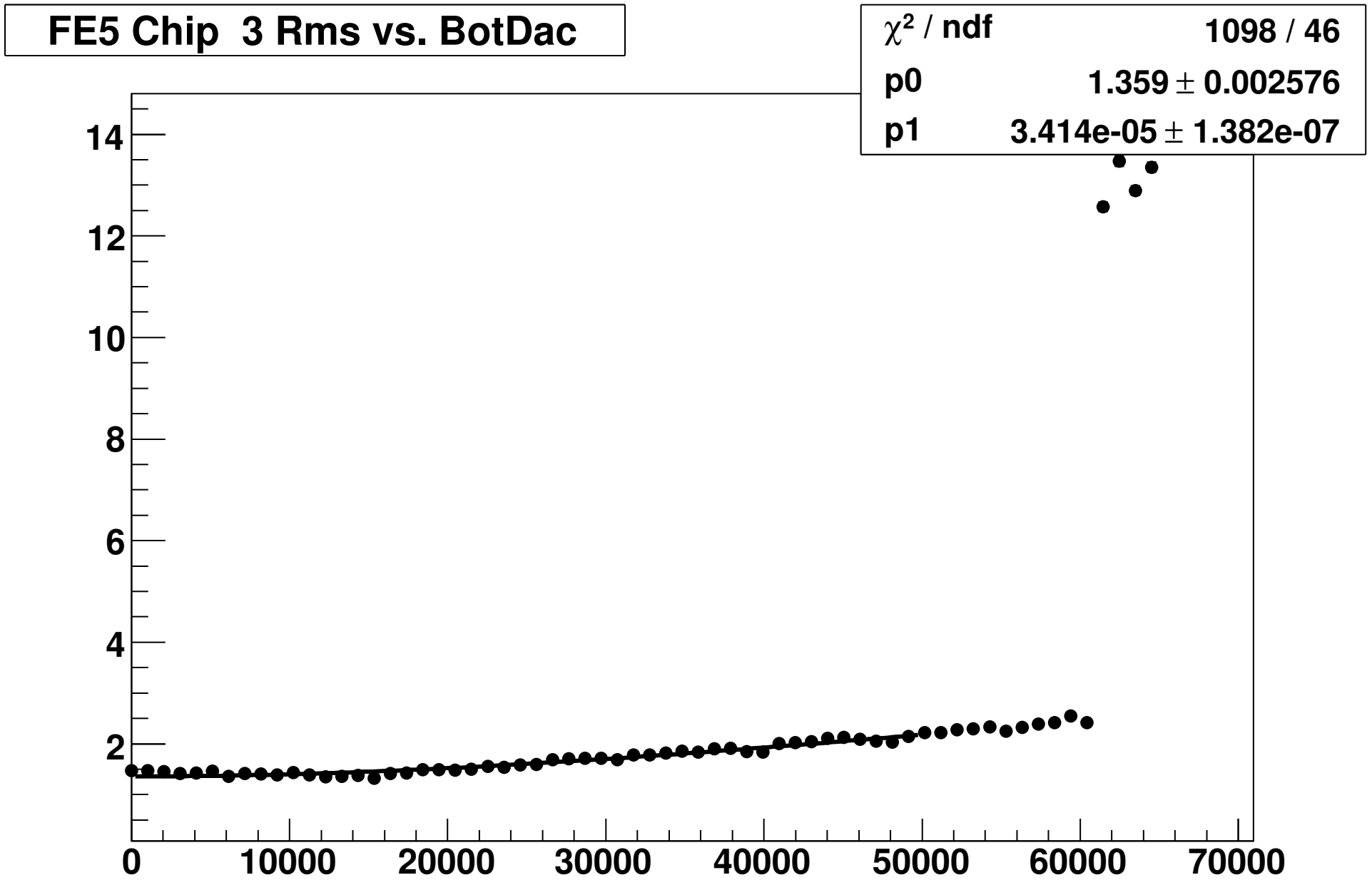
FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1098 / 46
p0 1.359 ± 0.002576
p1 3.414e-05 ± 1.382e-07
14
12
10
8
6
4
2
0
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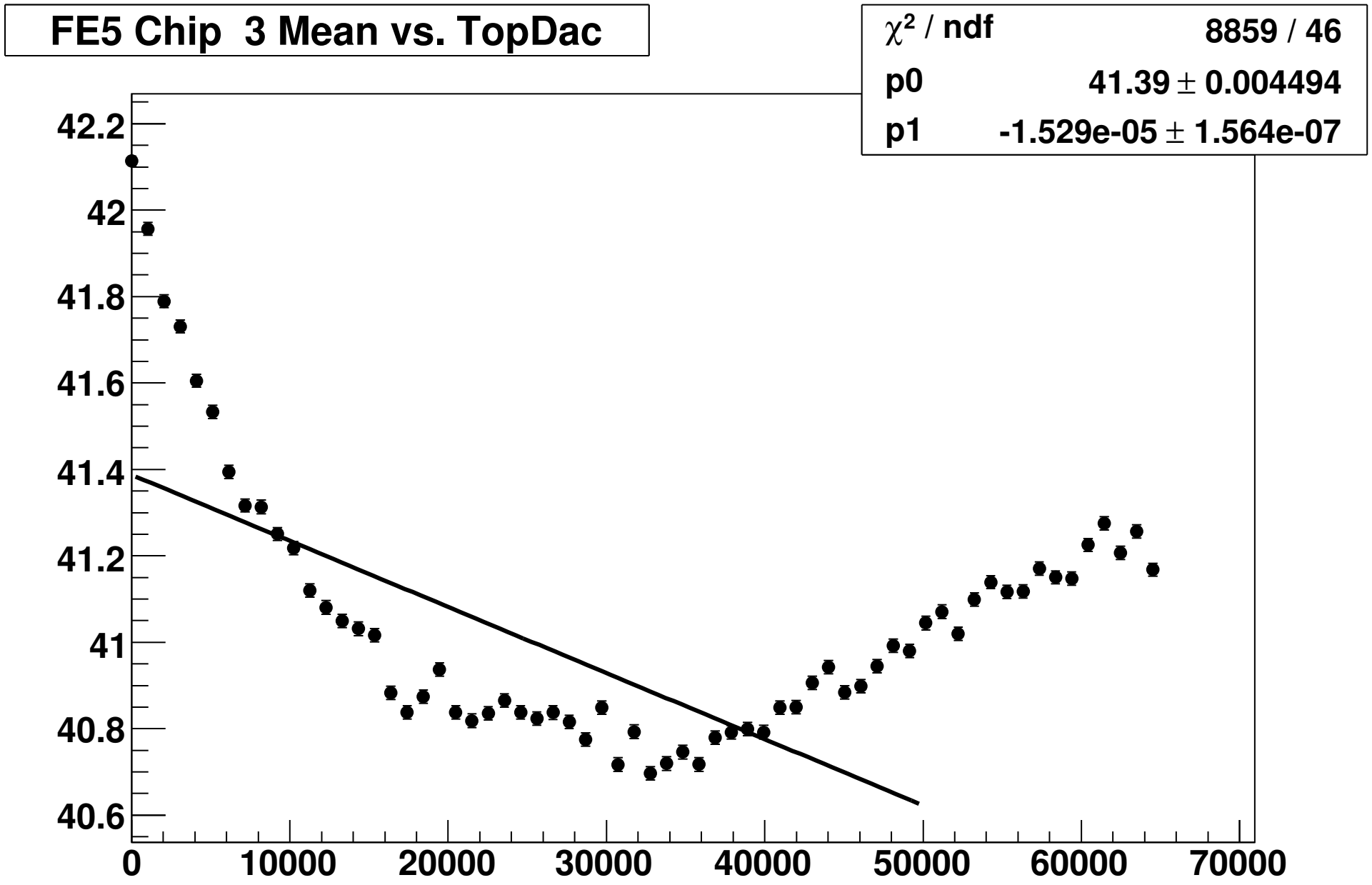
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 8859 / 46
p0 41.39 ± 0.004494
p1 -1.529e-05 ± 1.564e-07
42.2
42
41.8
41.6
41.4
41.2
41
40.8
40.6
0
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20000
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50000
60000
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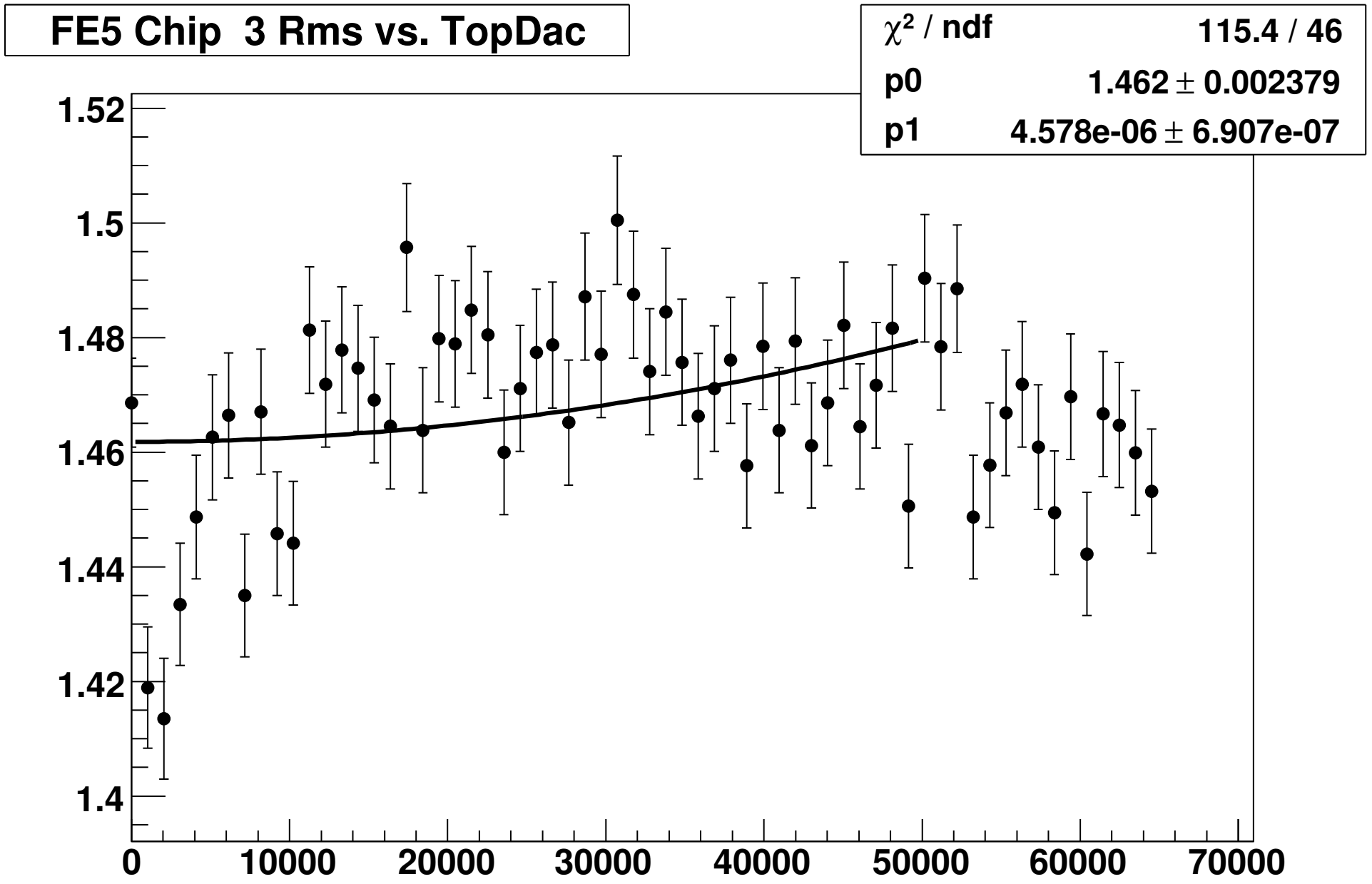
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 115.4 / 46
p0 1.462 ± 0.002379
p1 4.578e-06 ± 6.907e-07
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
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20000
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50000
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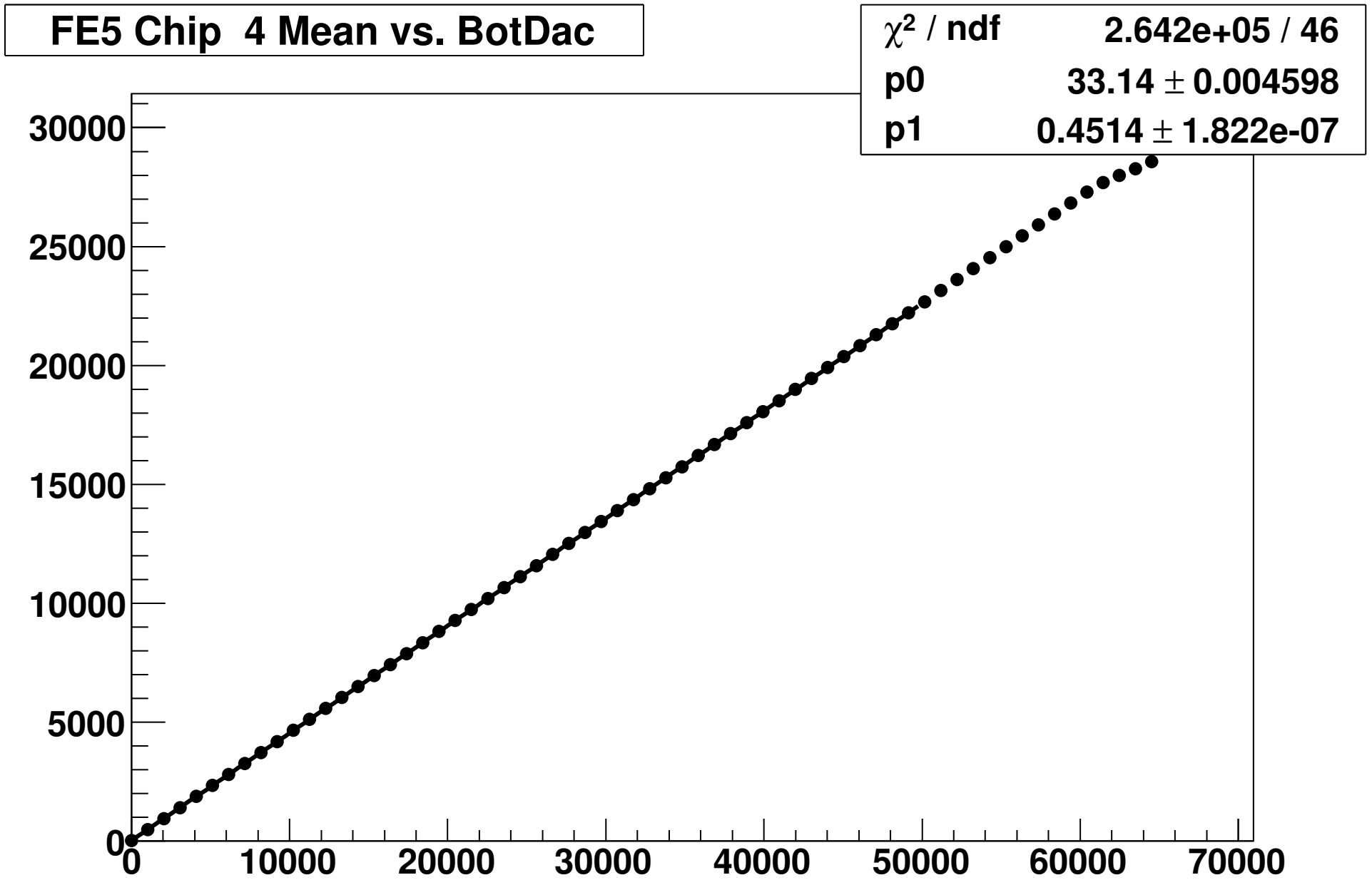
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 2.642e+05 / 46
p0 33.14 ± 0.004598
p1 0.4514 ± 1.822e-07
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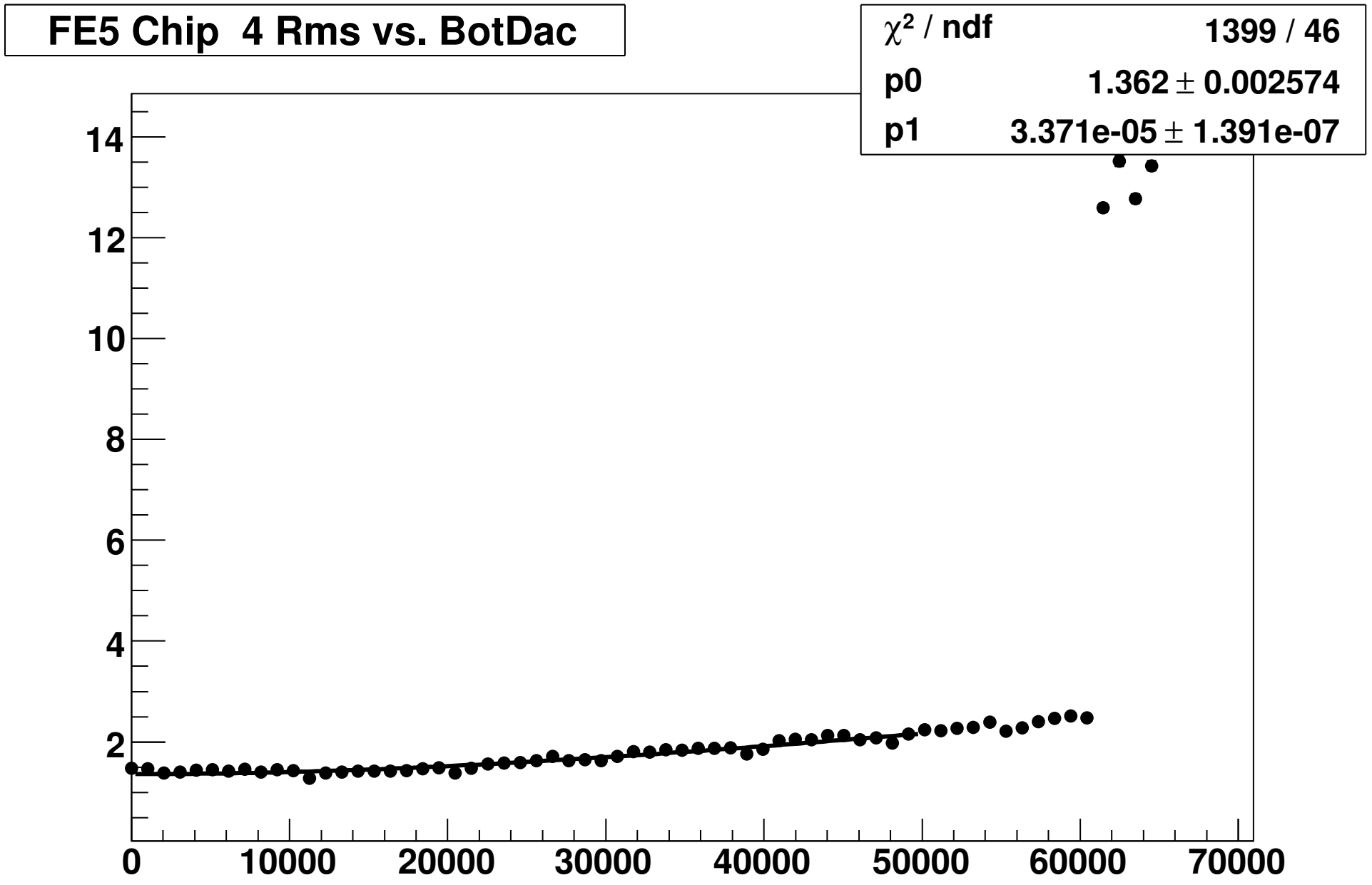
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1399 / 46
p0 1.362 ± 0.002574
p1 3.371e-05 ± 1.391e-07
14
12
10
8
6
4
2
0
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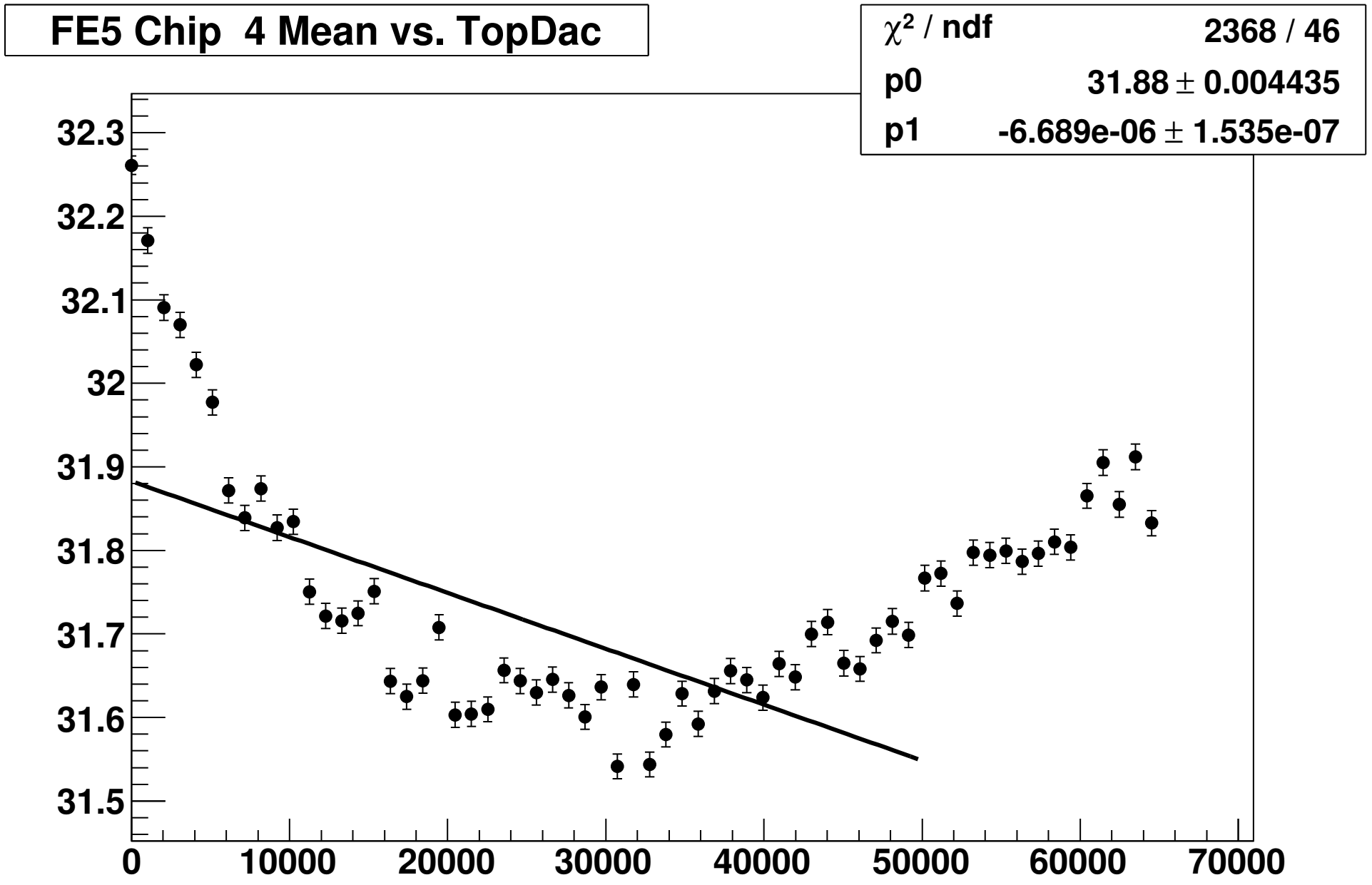
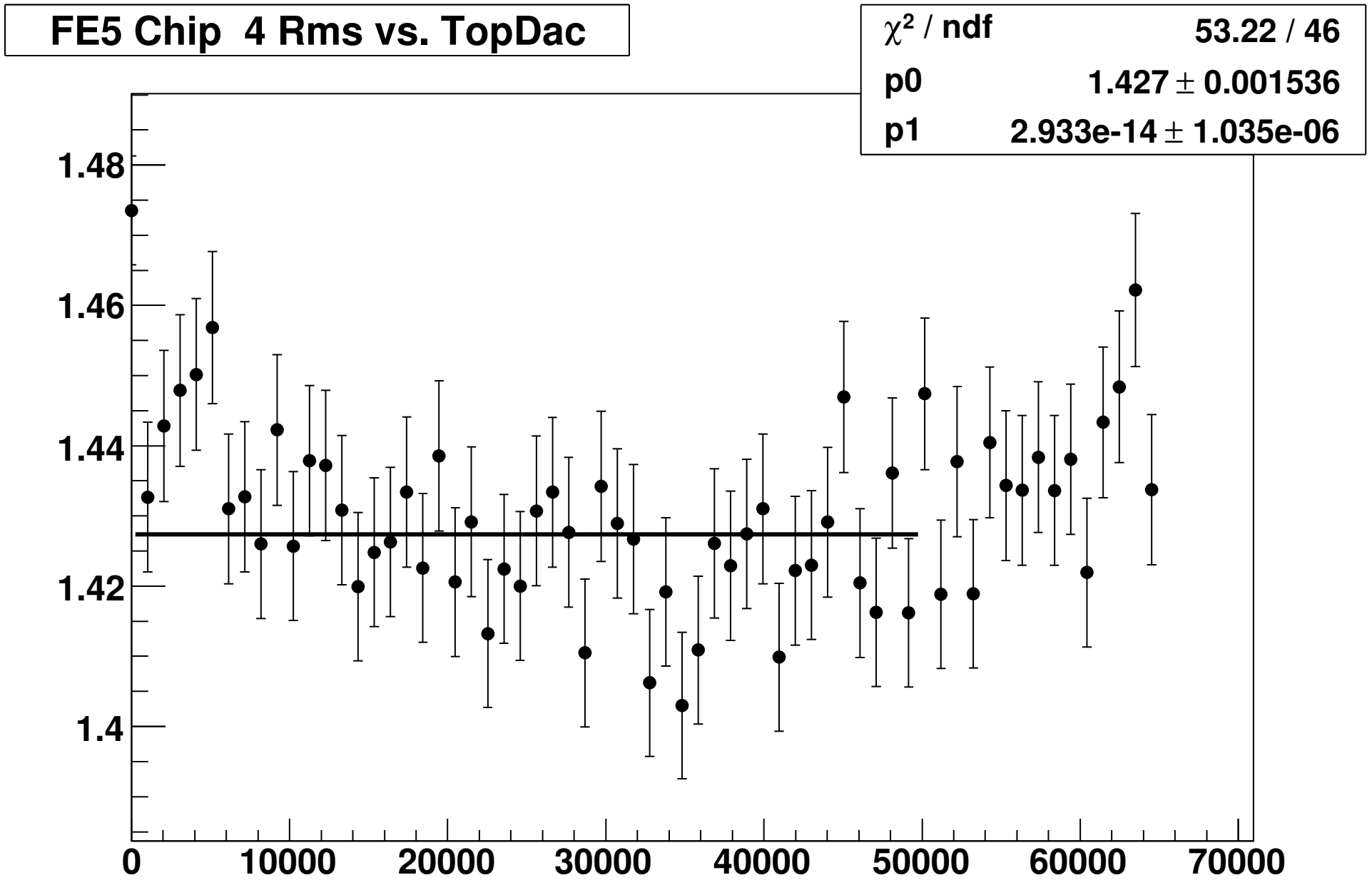
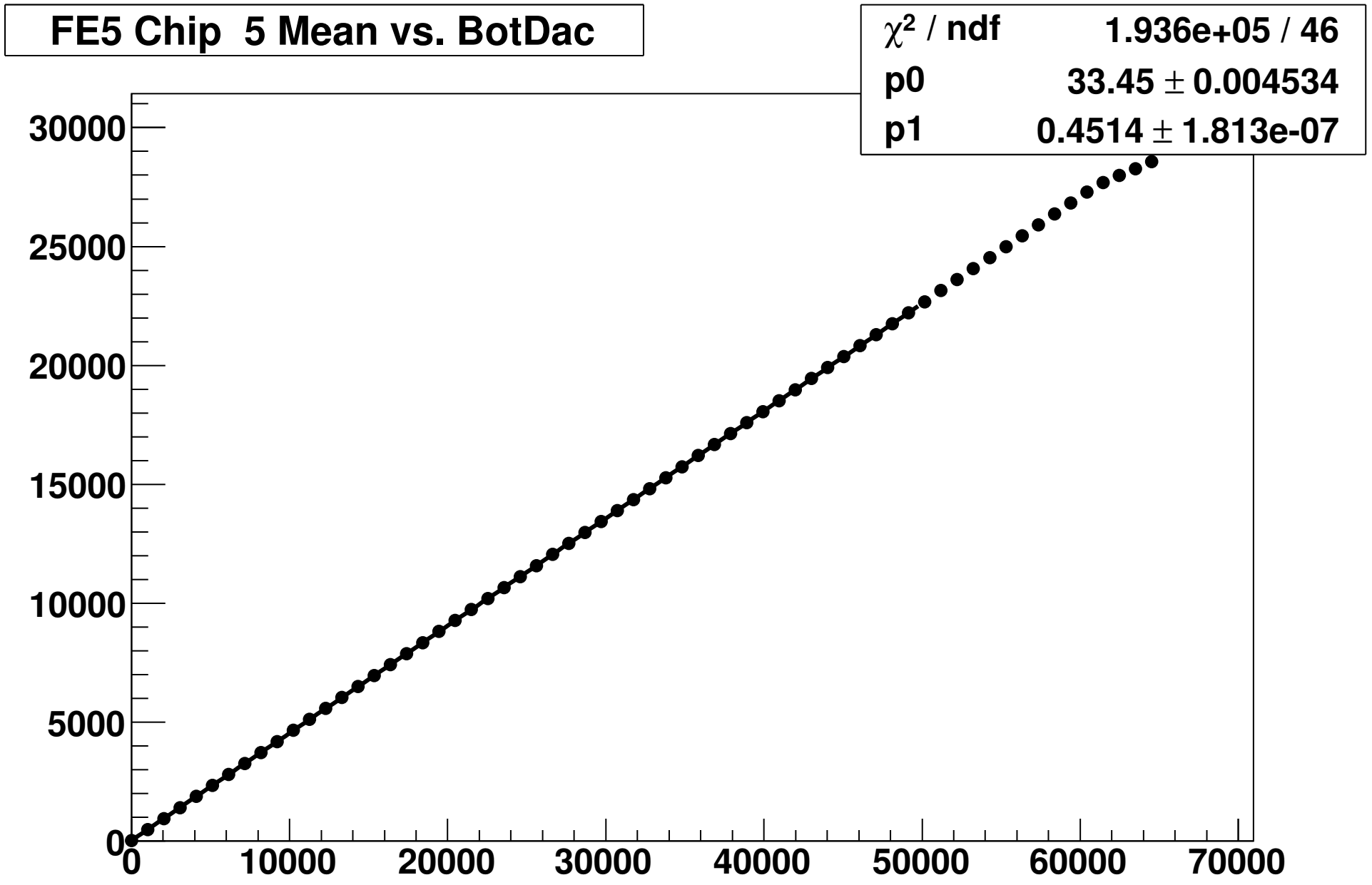
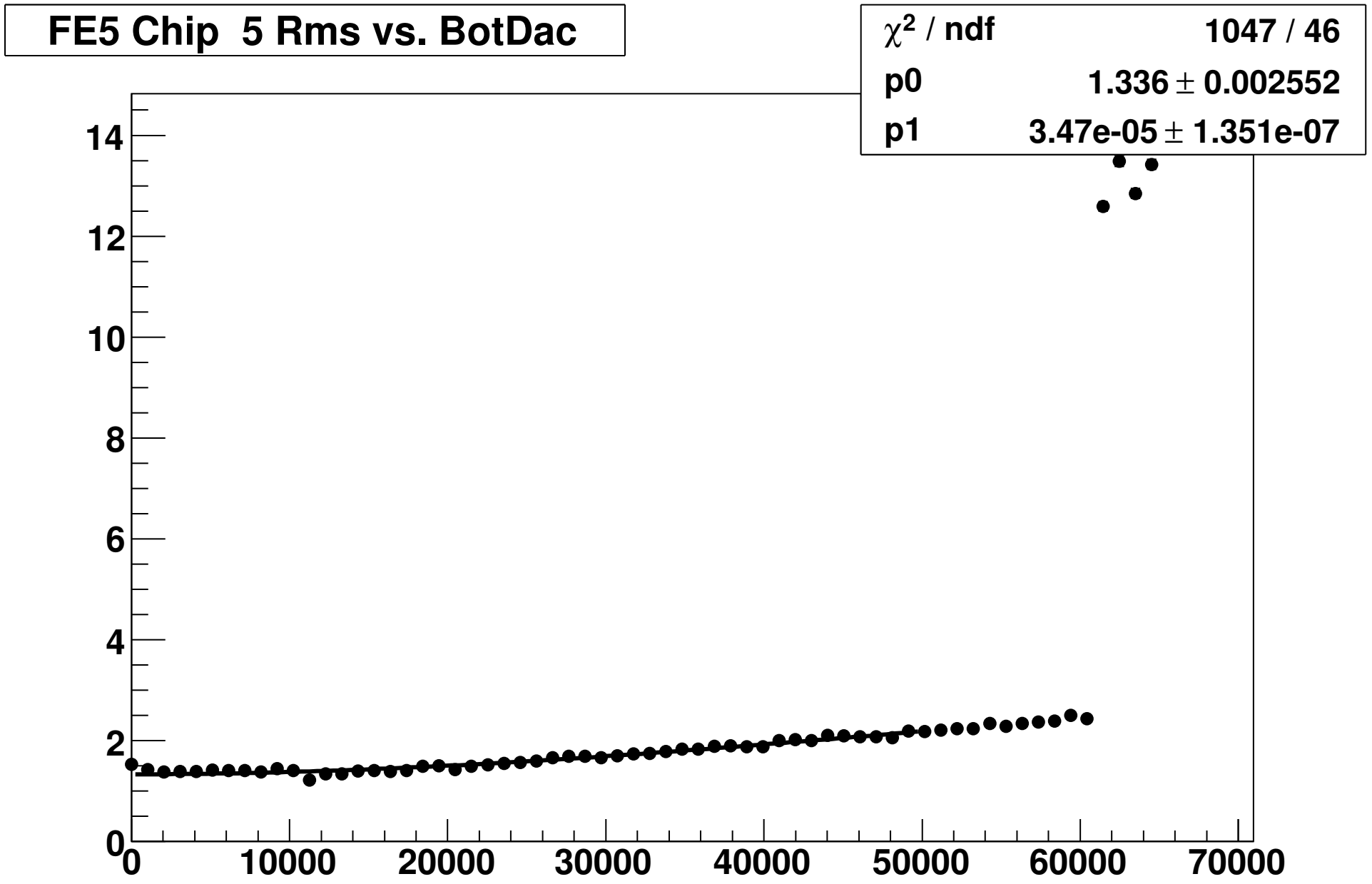
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 2368 / 46
p0 31.88 ± 0.004435
p1 -6.689e-06 ± 1.535e-07
32.3
32.2
32.1
32
31.9
31.8
31.7
31.6
31.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 53.22 / 46
p0 1.427 ± 0.001536
p1 2.933e-14 ± 1.035e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.936e+05 / 46
p0 33.45 ± 0.004534
p1 0.4514 ± 1.813e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1047 / 46
p0 1.336 ± 0.002552
p1 3.47e-05 ± 1.351e-07
0
2
4
6
8
10
12
14
0
10000
20000
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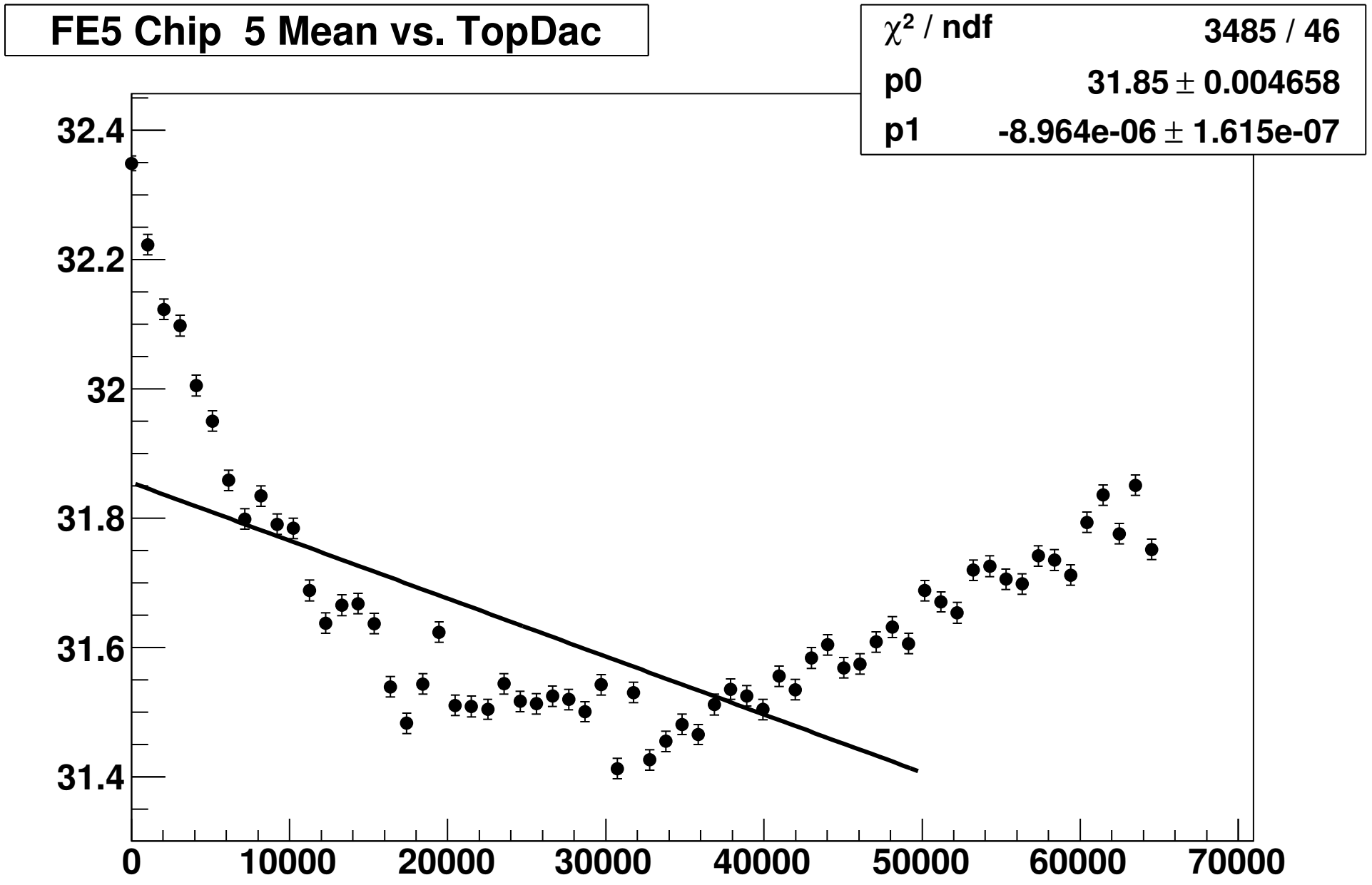
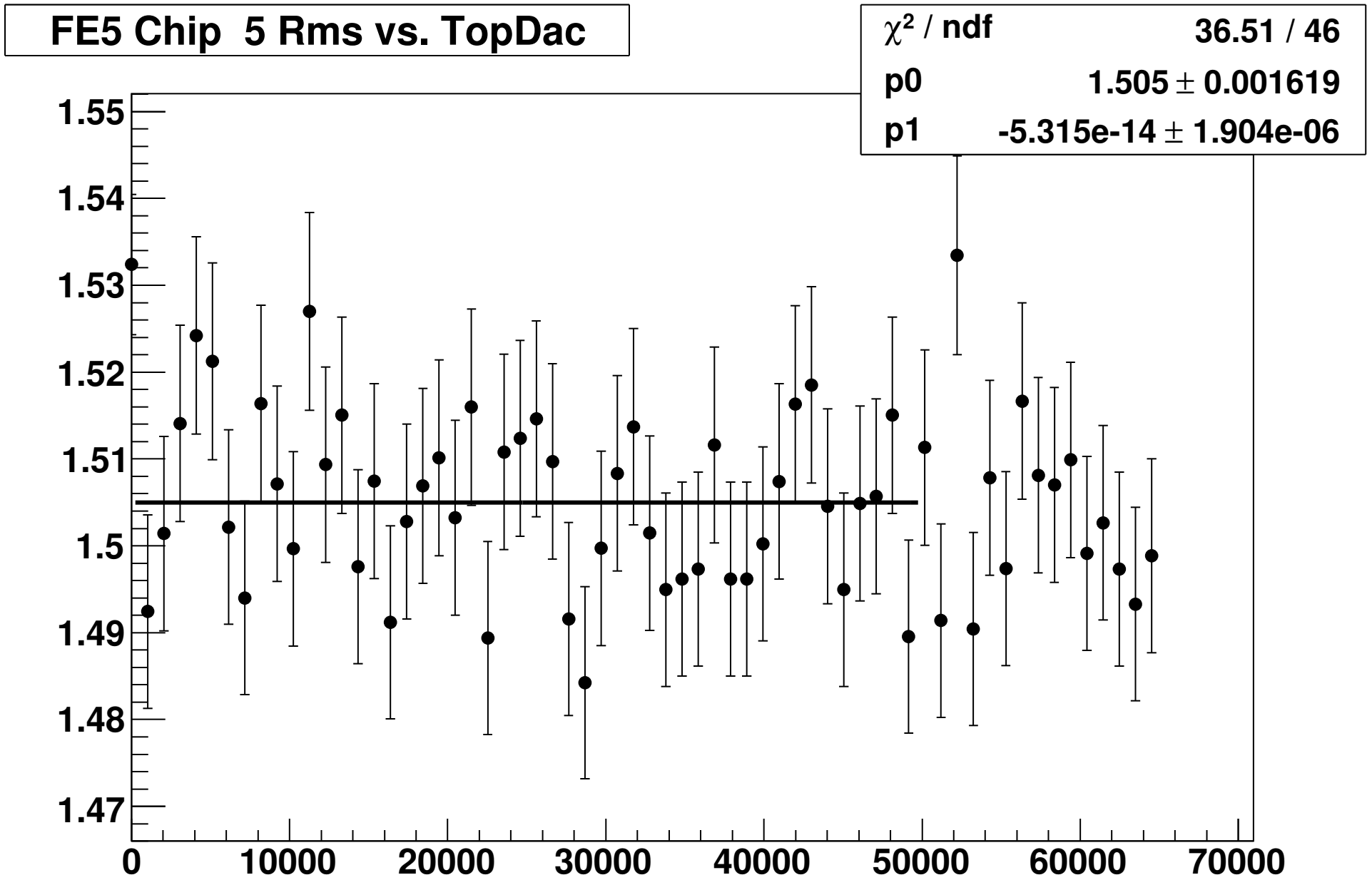
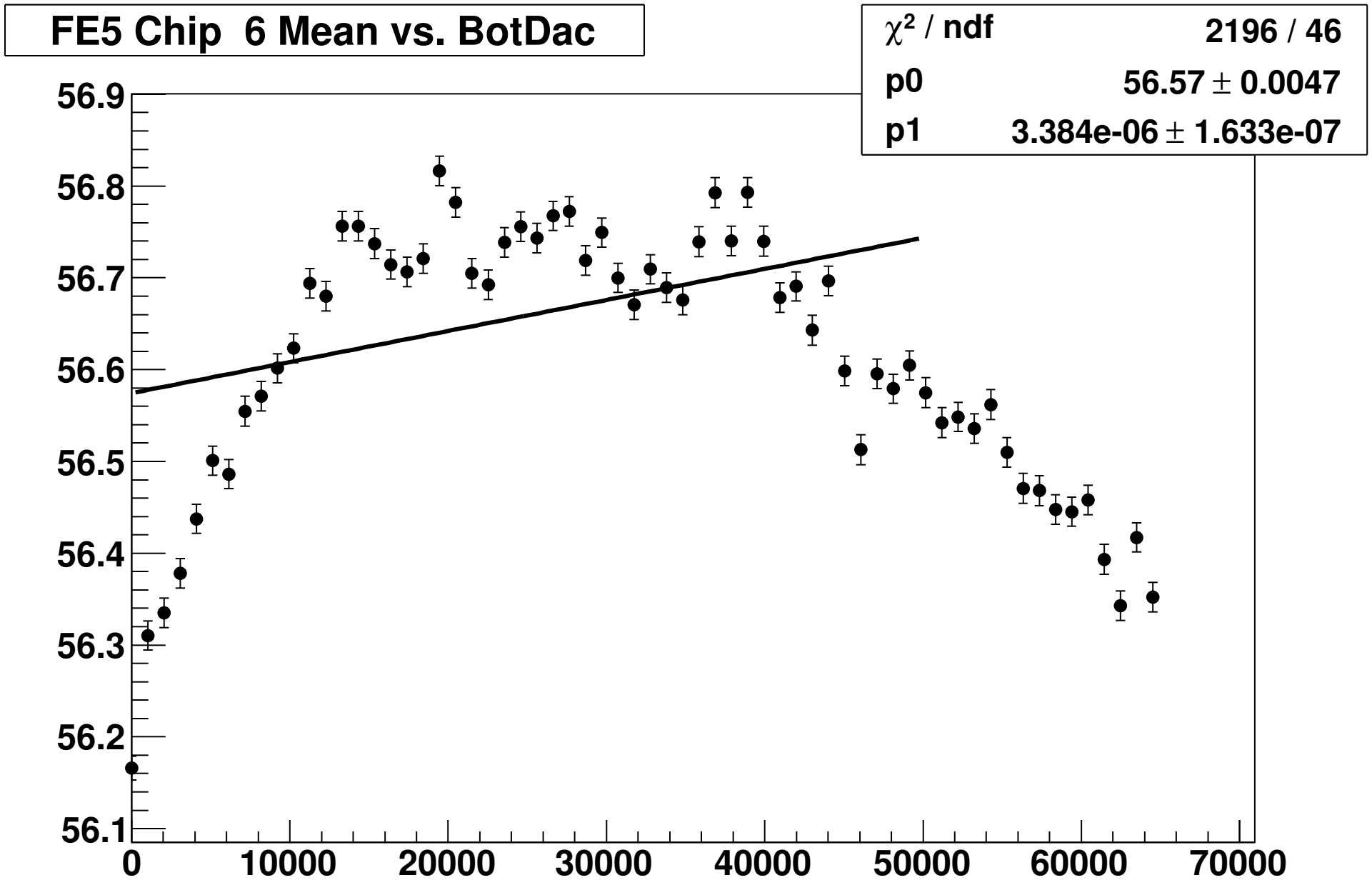
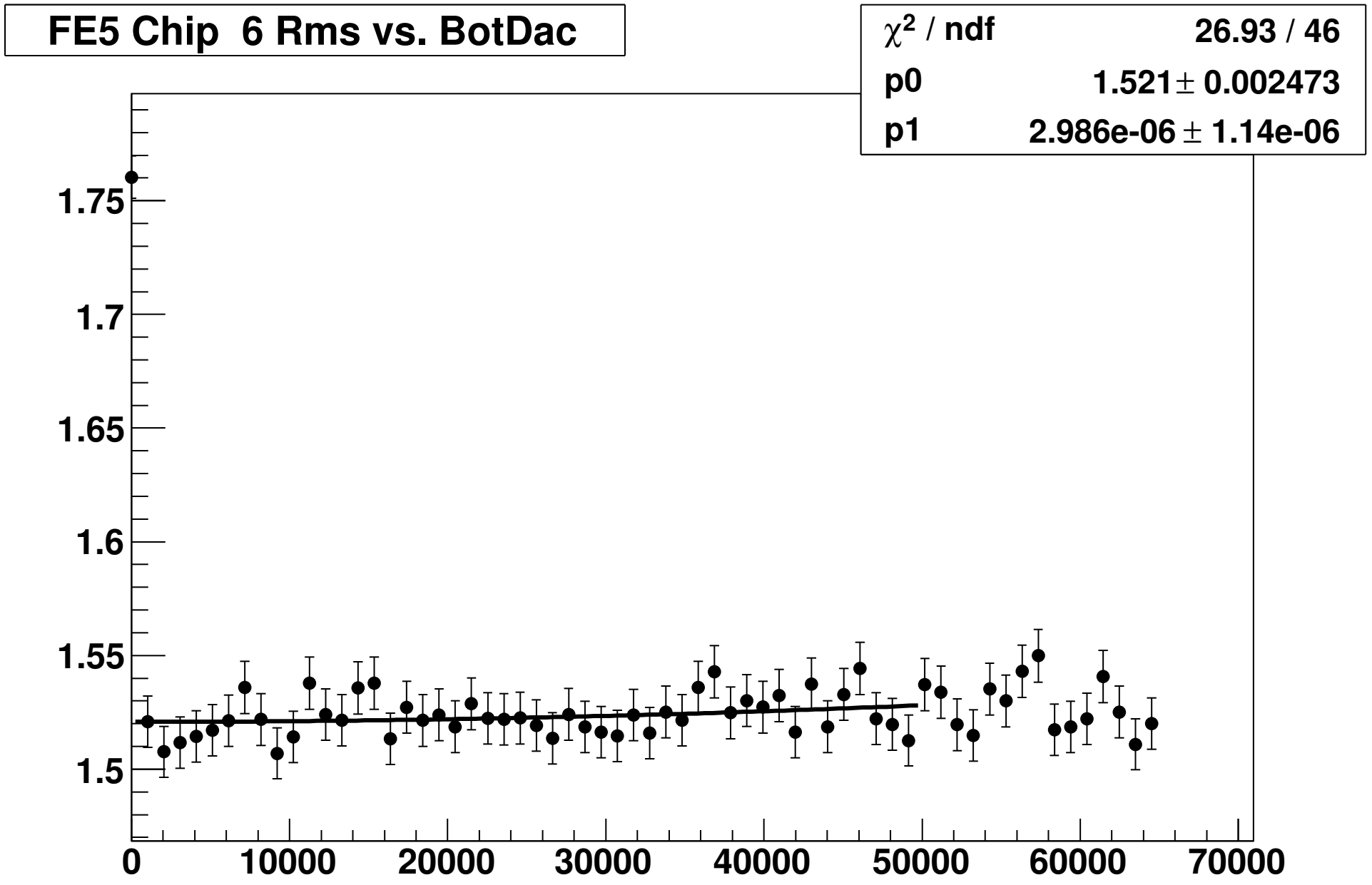
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 3485 / 46
p0 31.85 ± 0.004658
p1 -8.964e-06 ± 1.615e-07
32.4
32.2
32
31.8
31.6
31.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 36.51 / 46
p0 1.505 ± 0.001619
p1 -5.315e-14 ± 1.904e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 2196 / 46
p0 56.57 ± 0.0047
p1 3.384e-06 ± 1.633e-07
56.9
56.8
56.7
56.6
56.5
56.4
56.3
56.2
56.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 26.93 / 46
p0 1.521 ± 0.002473
p1 2.986e-06 ± 1.14e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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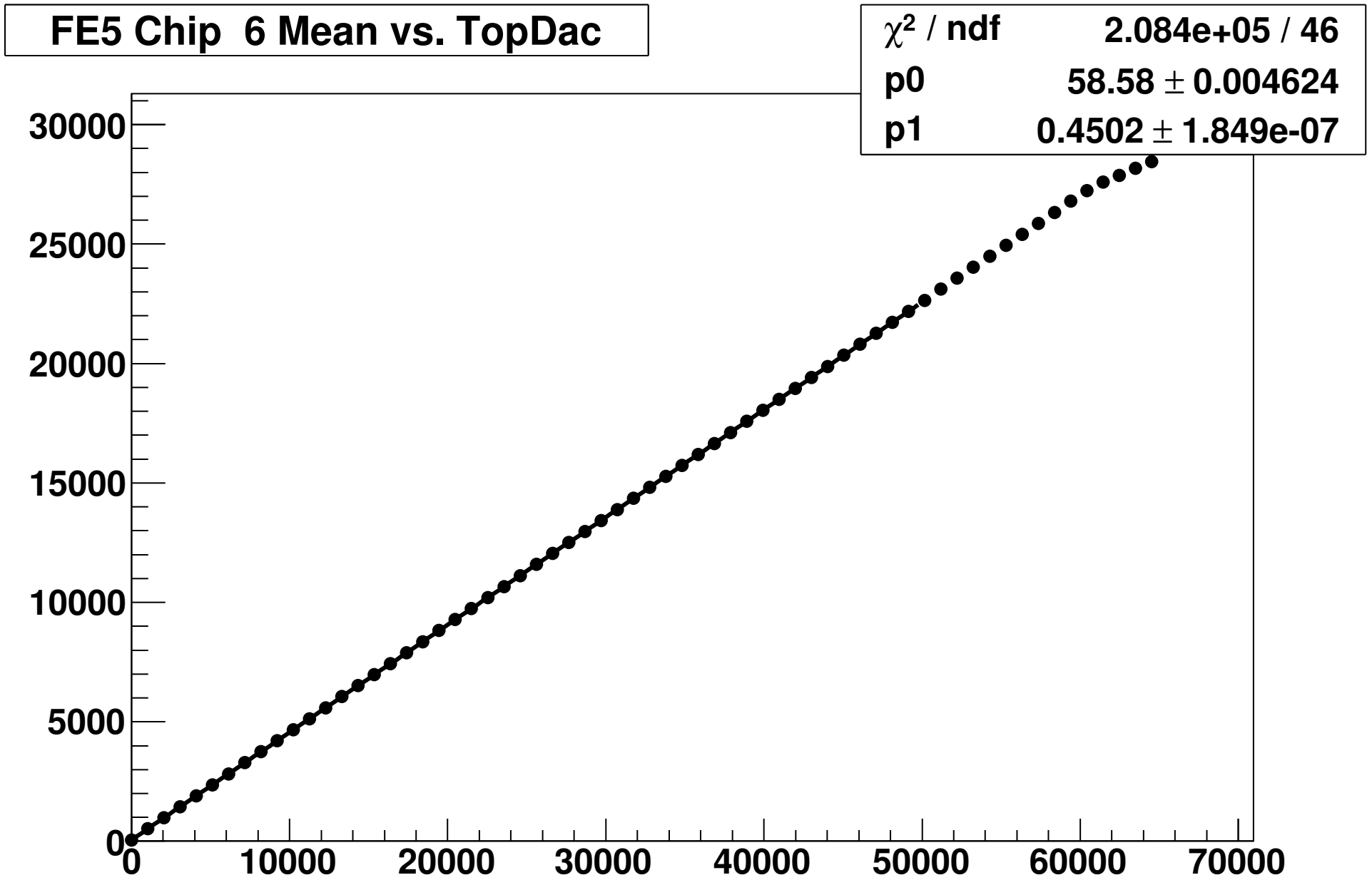
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 2.084e+05 / 46
p0 58.58 ± 0.004624
p1 0.4502 ± 1.849e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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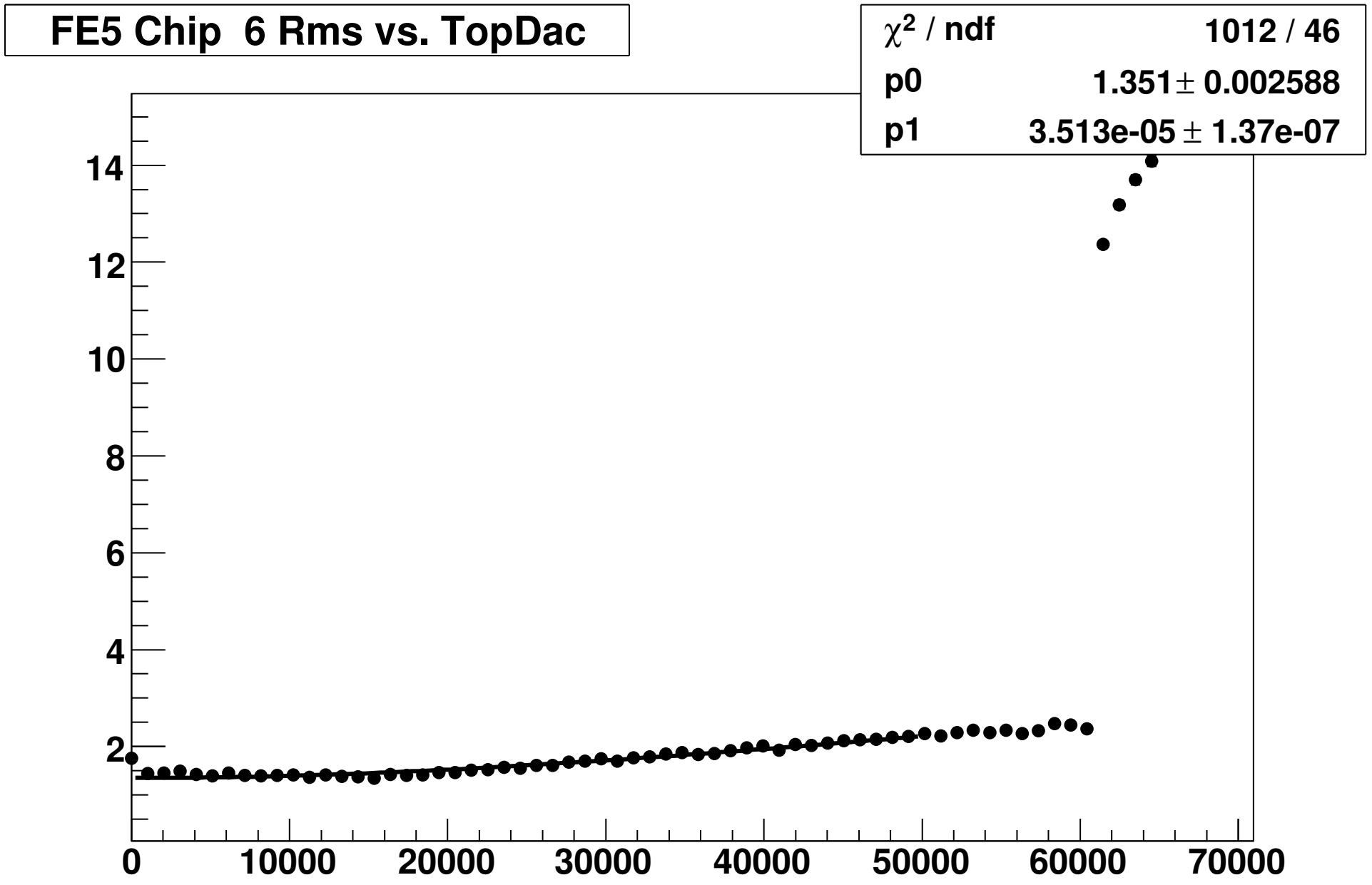
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1012 / 46
p0 1.351 ± 0.002588
p1 3.513e-05 ± 1.37e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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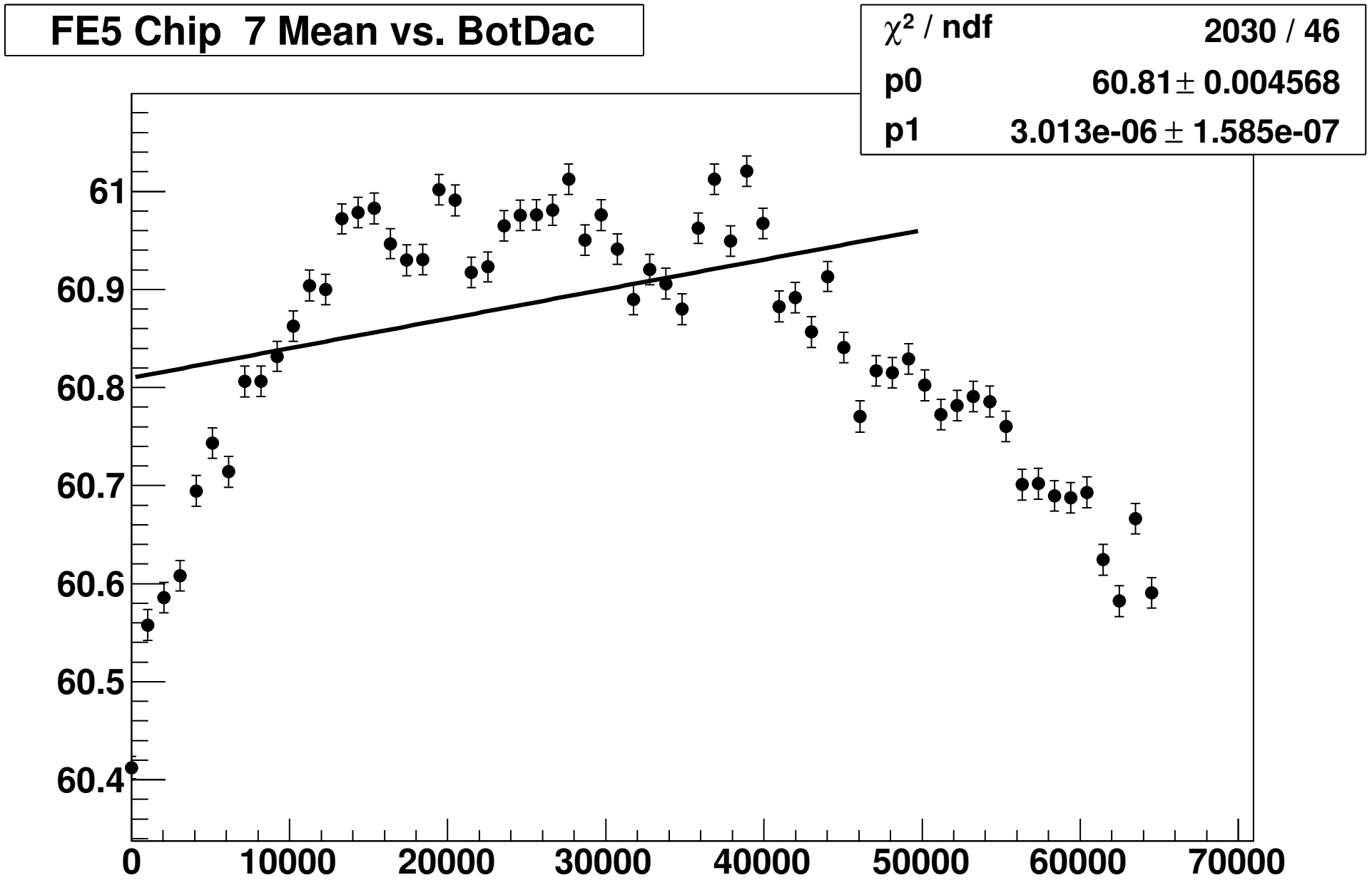
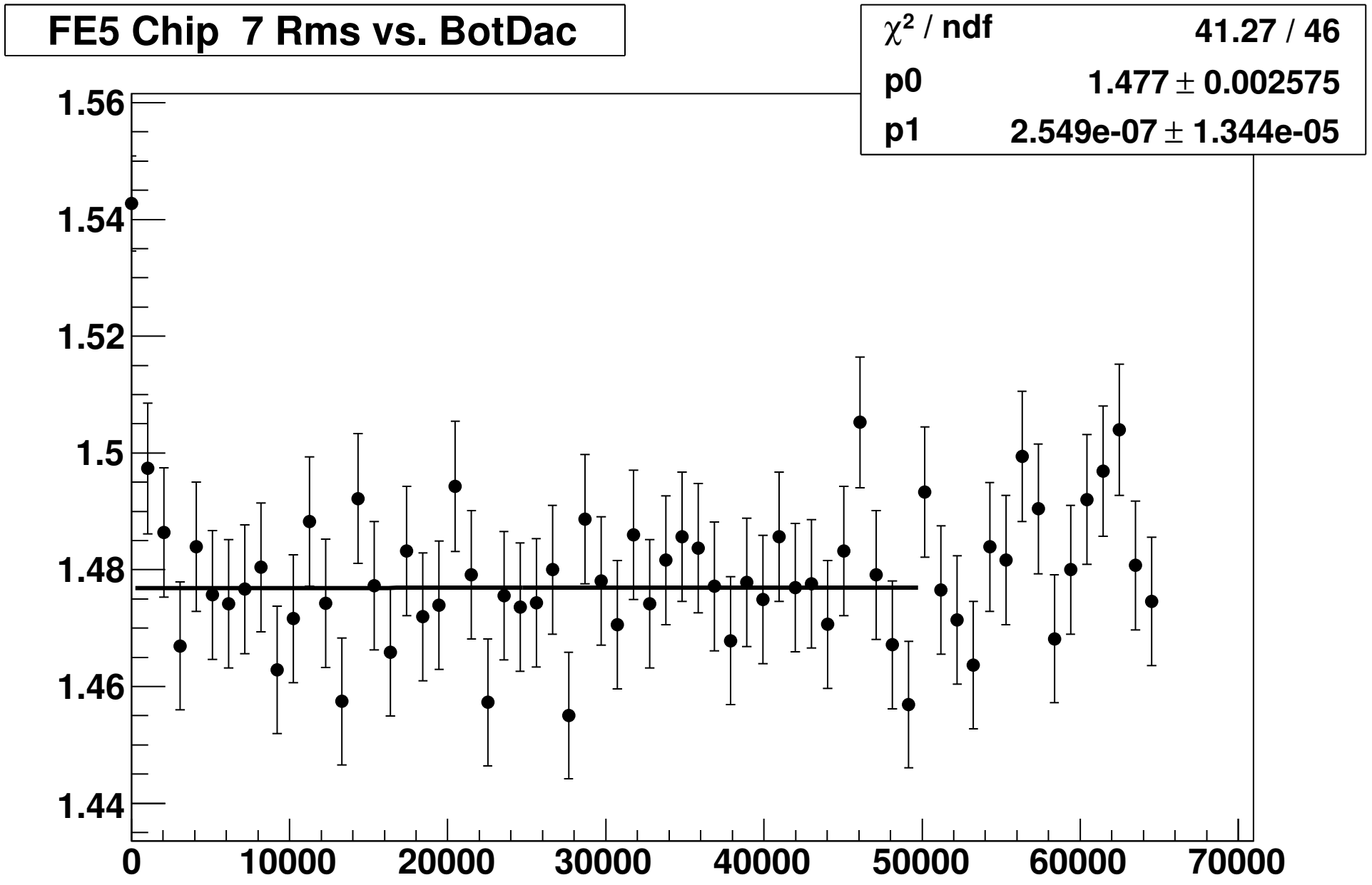
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 2030 / 46
p0 60.81 ± 0.004568
p1 3.013e-06 ± 1.585e-07
61
60.9
60.8
60.7
60.6
60.5
60.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 41.27 / 46
p0 1.477 ± 0.002575
p1 2.549e-07 ± 1.344e-05
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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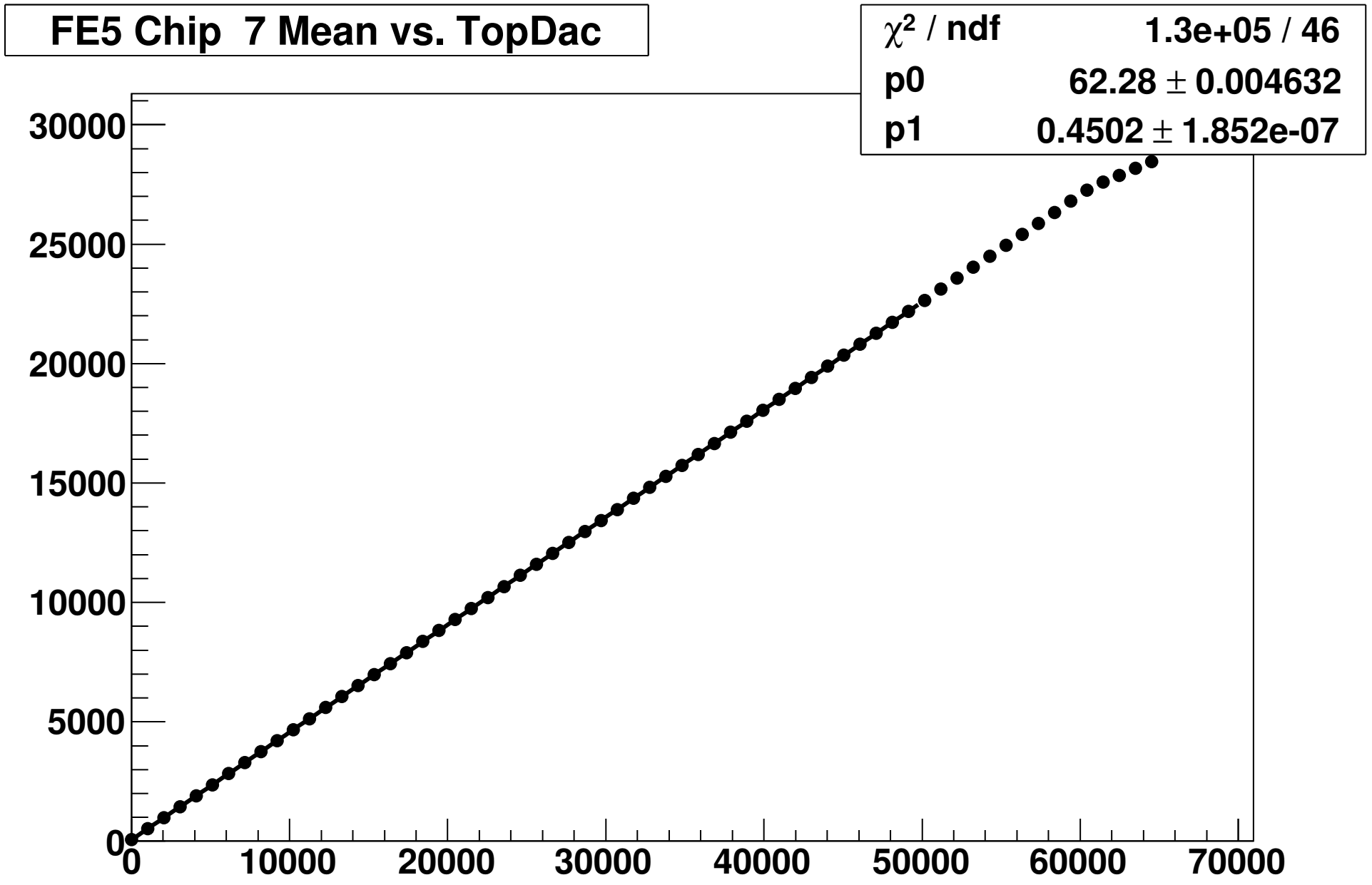
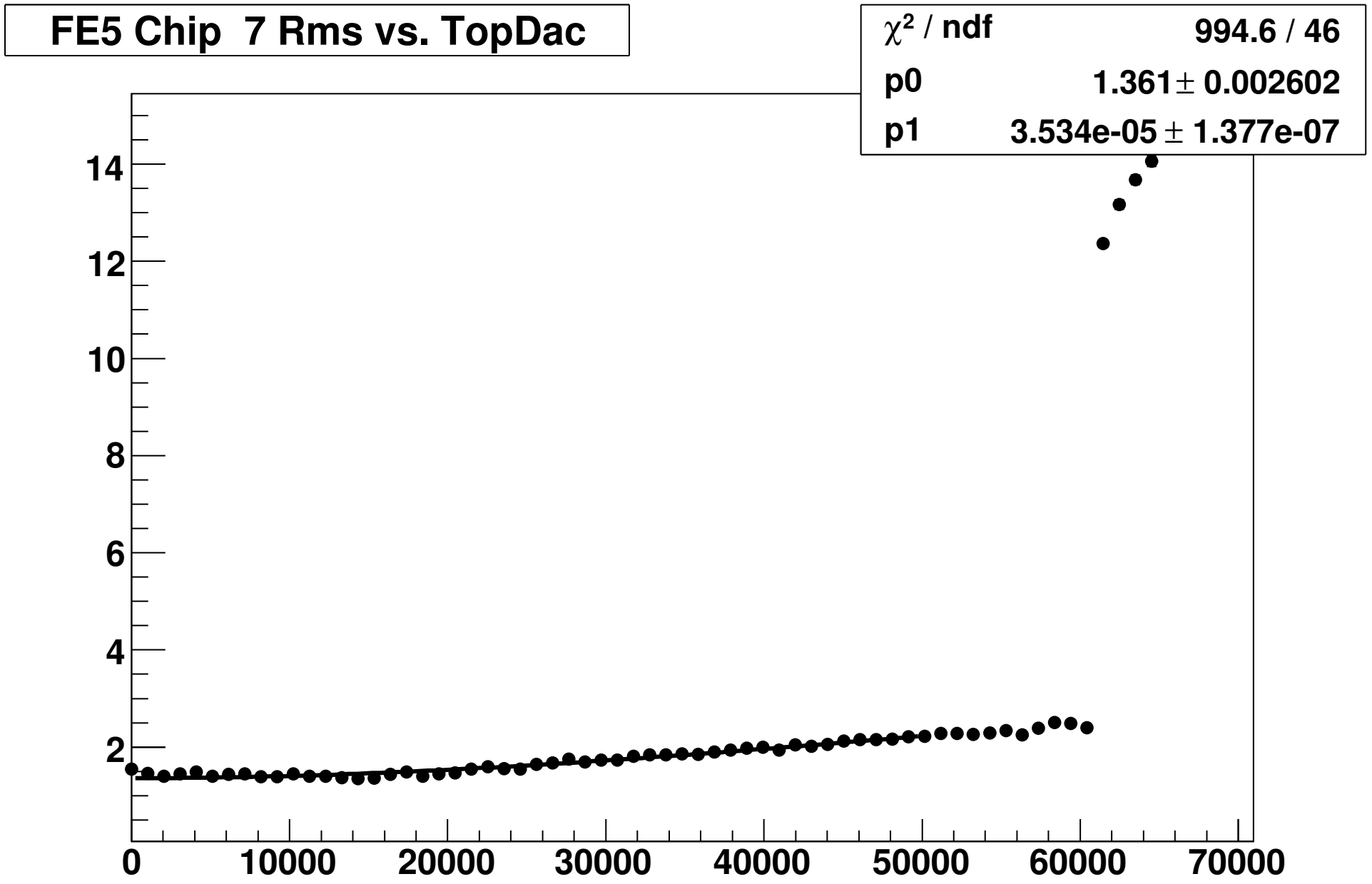
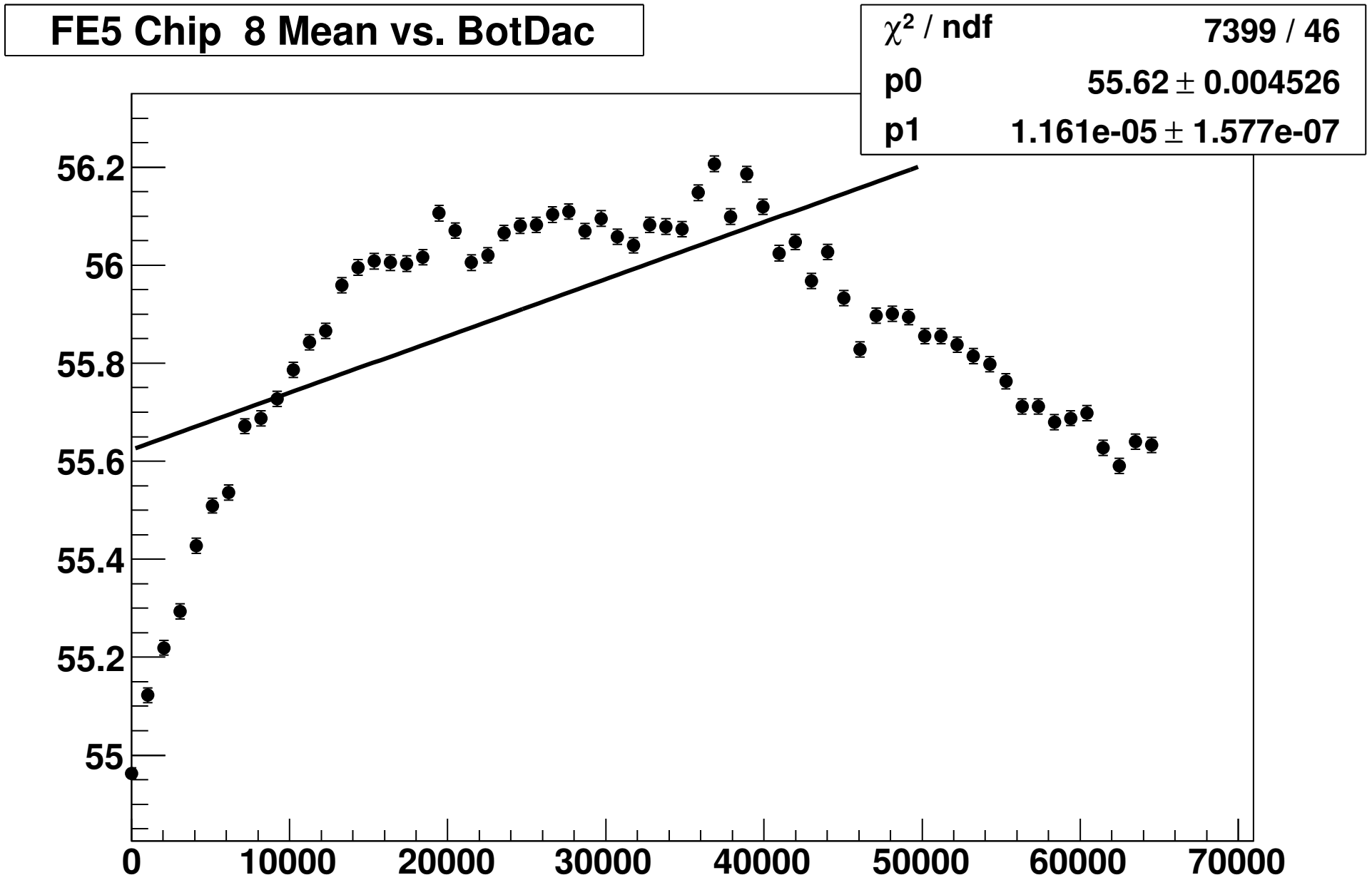
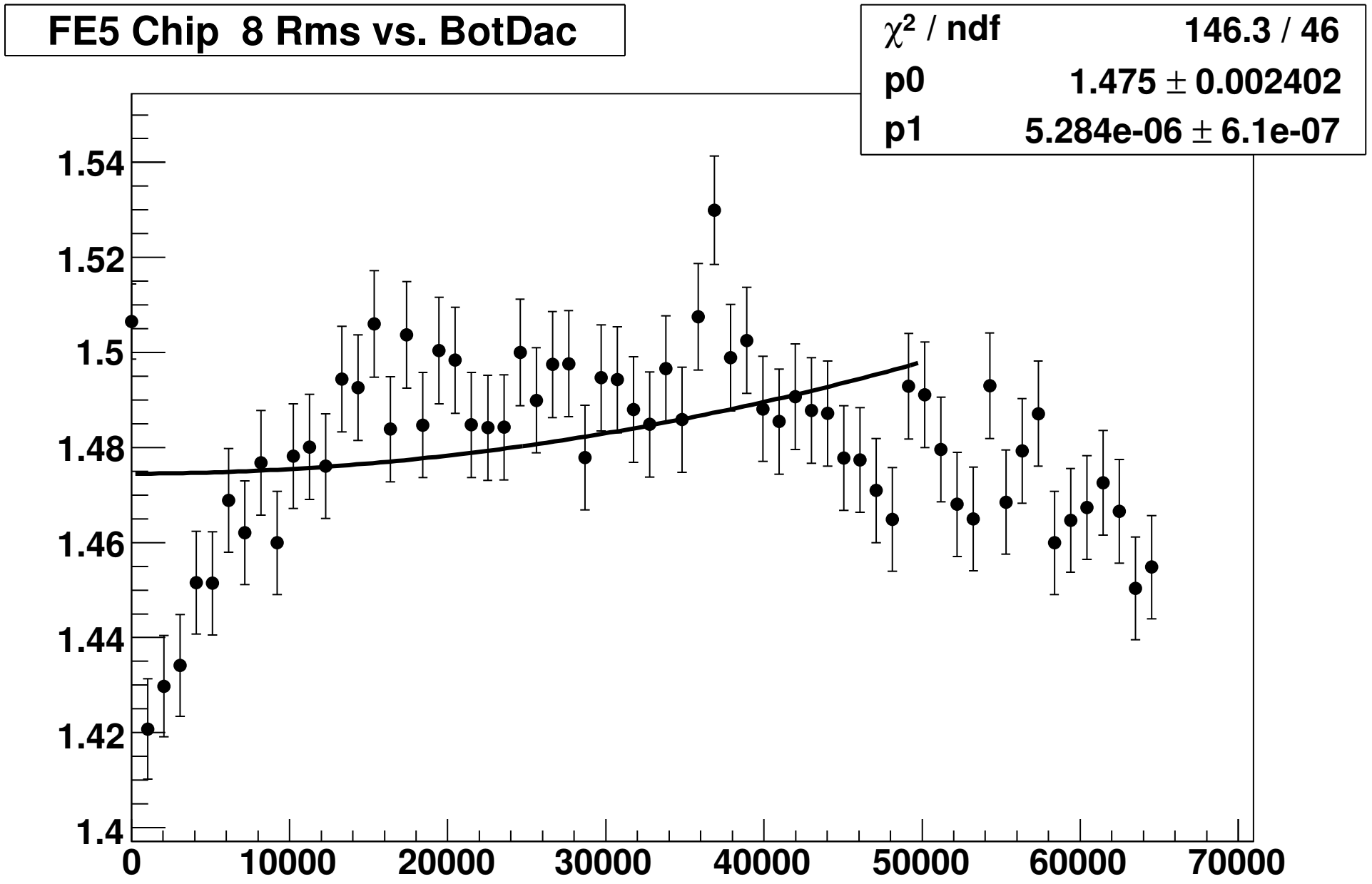
50000
60000
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.3e+05 / 46
p0 62.28 ± 0.004632
p1 0.4502 ± 1.852e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 994.6 / 46
p0 1.361 ± 0.002602
p1 3.534e-05 ± 1.377e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 7399 / 46
p0 55.62 ± 0.004526
p1 1.161e-05 ± 1.577e-07
56.2
56
55.8
55.6
55.4
55.2
55
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 146.3 / 46
p0 1.475 ± 0.002402
p1 5.284e-06 ± 6.1e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
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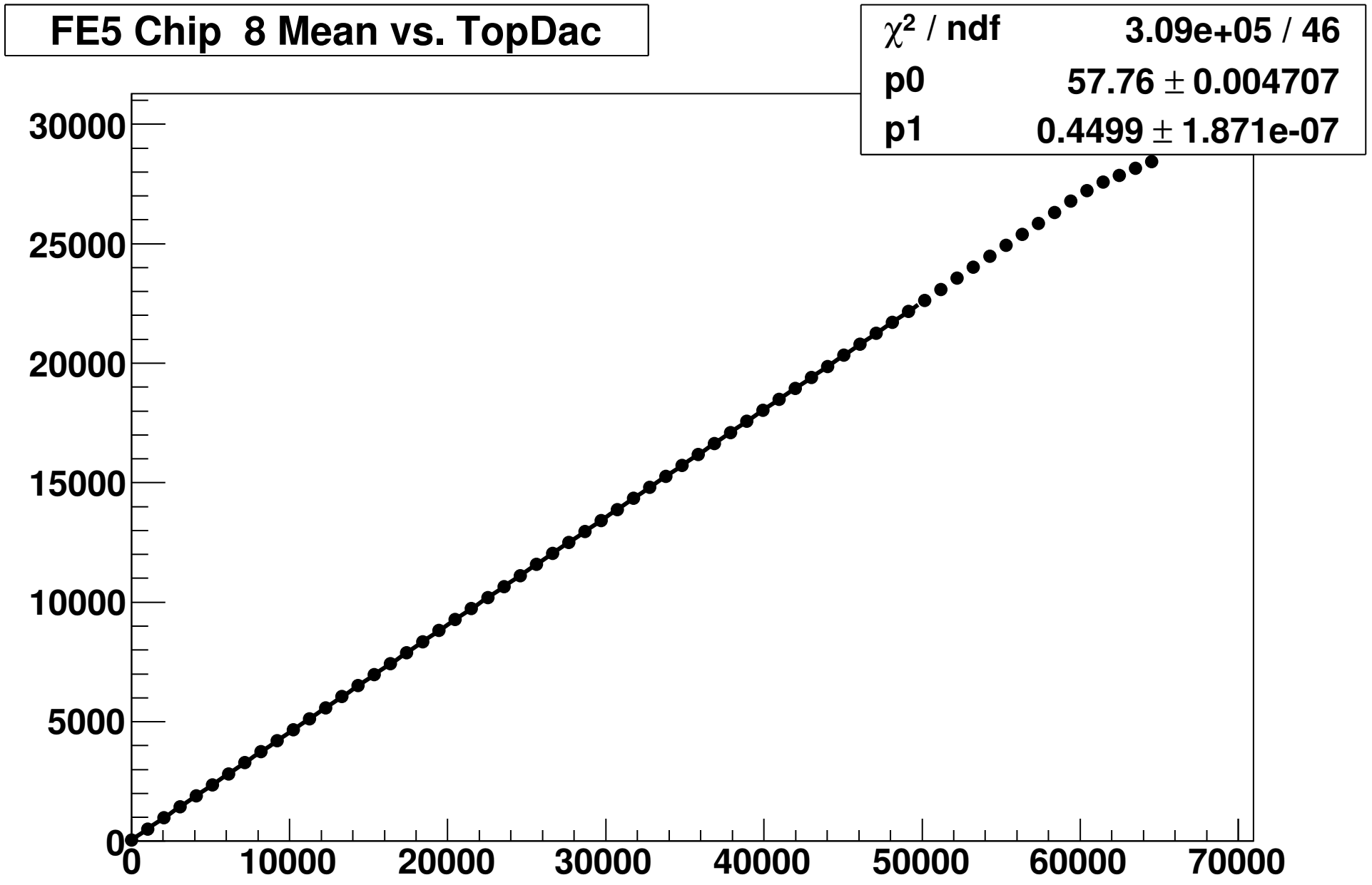
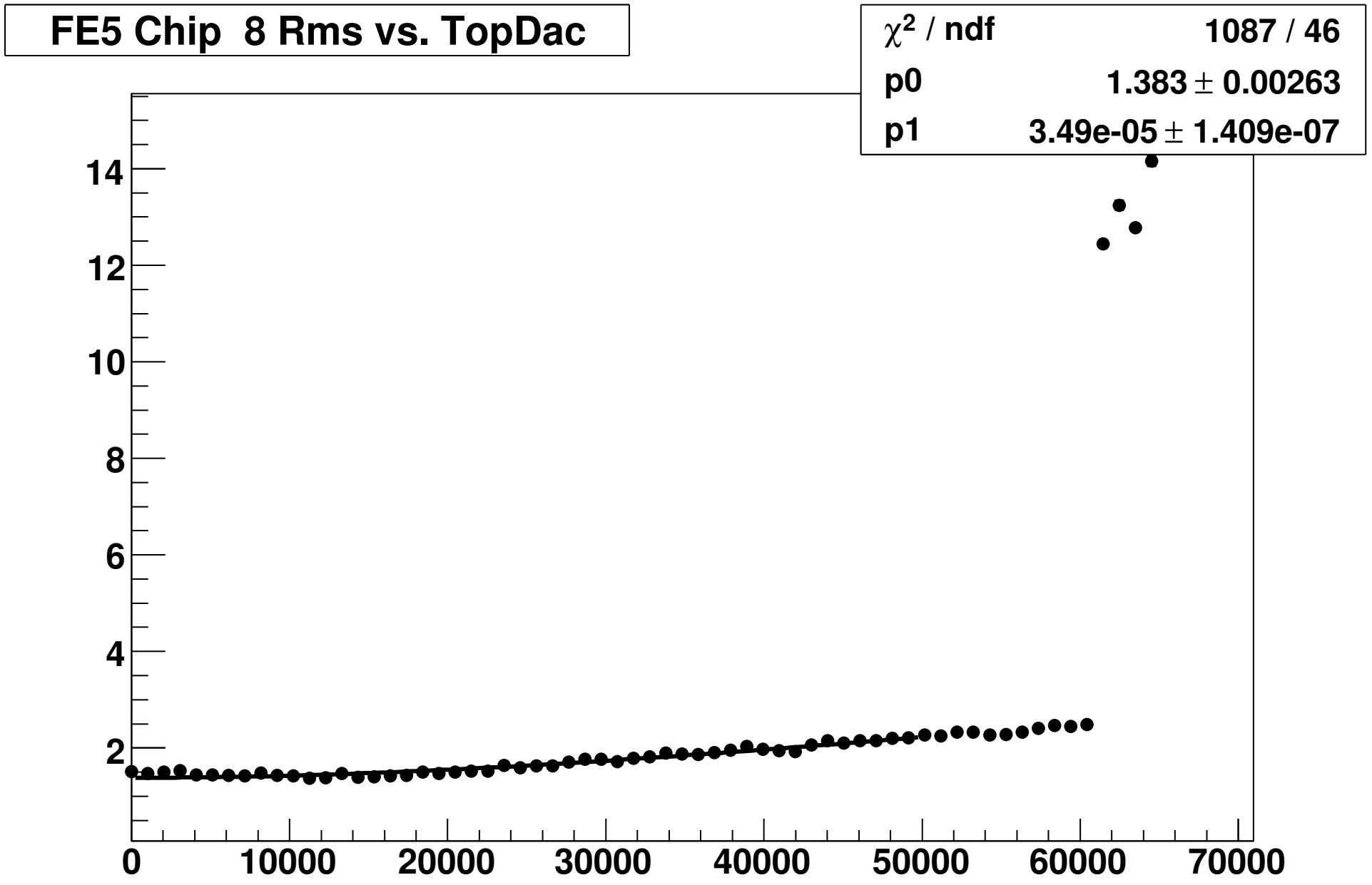
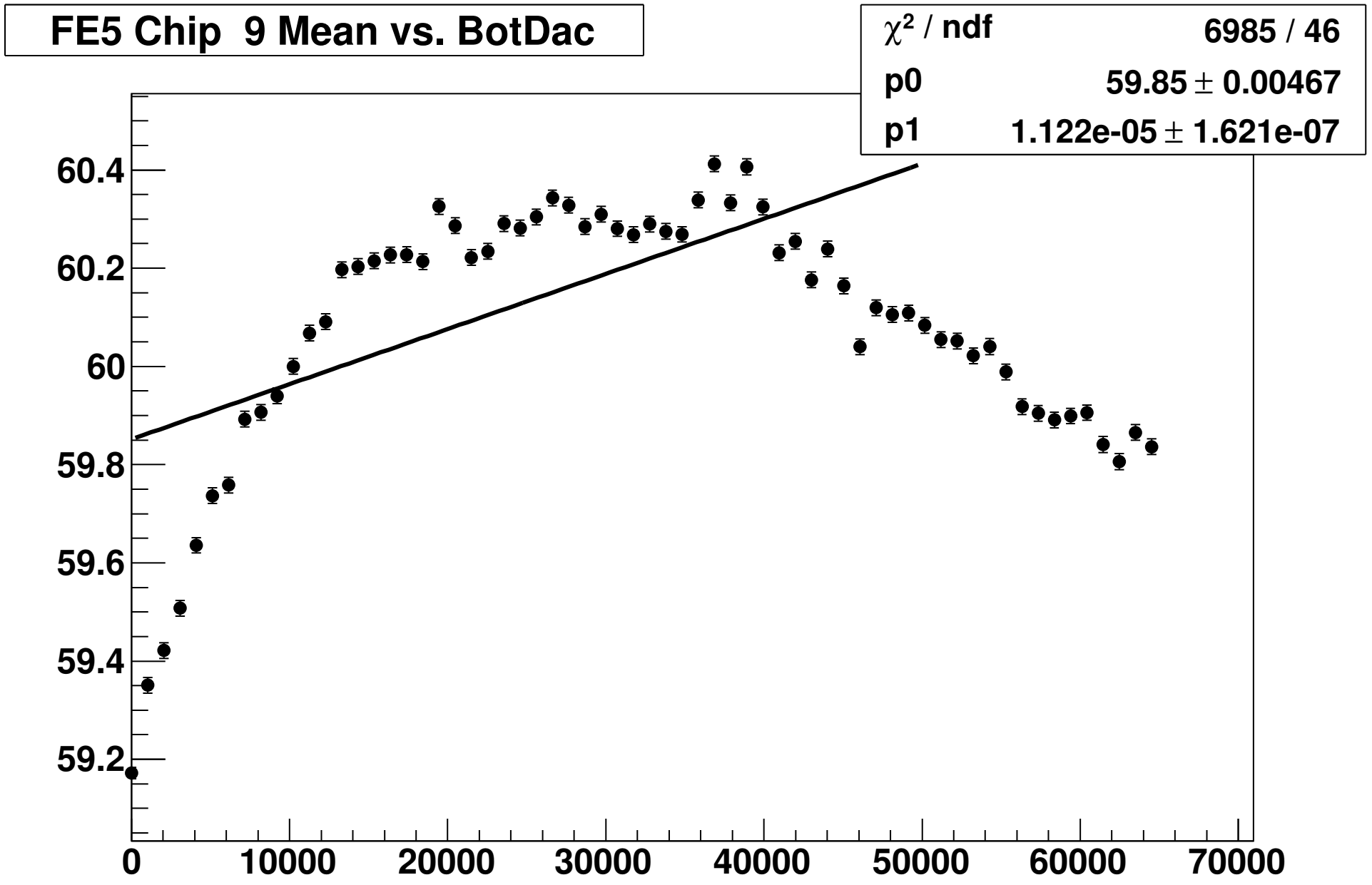
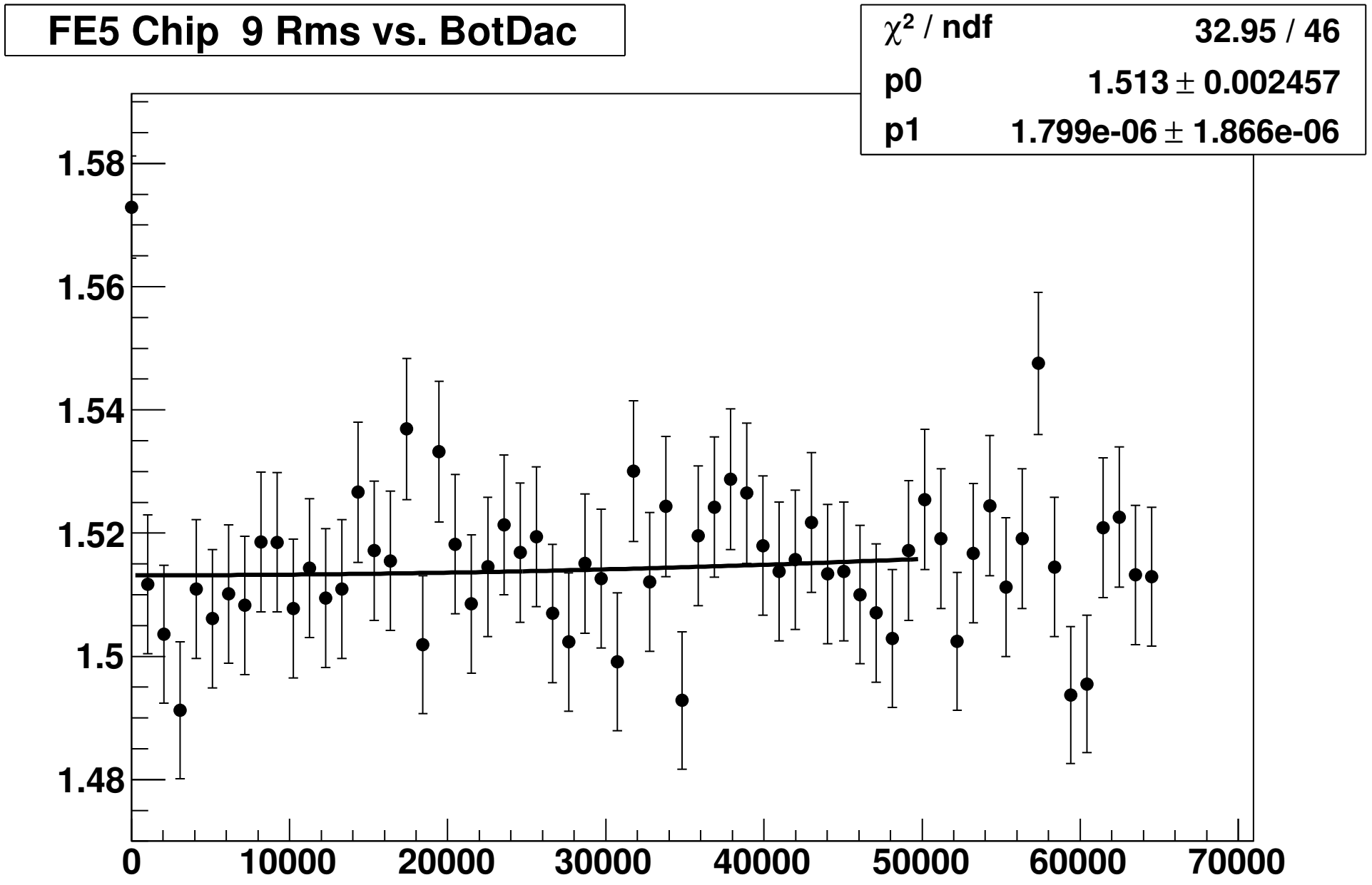
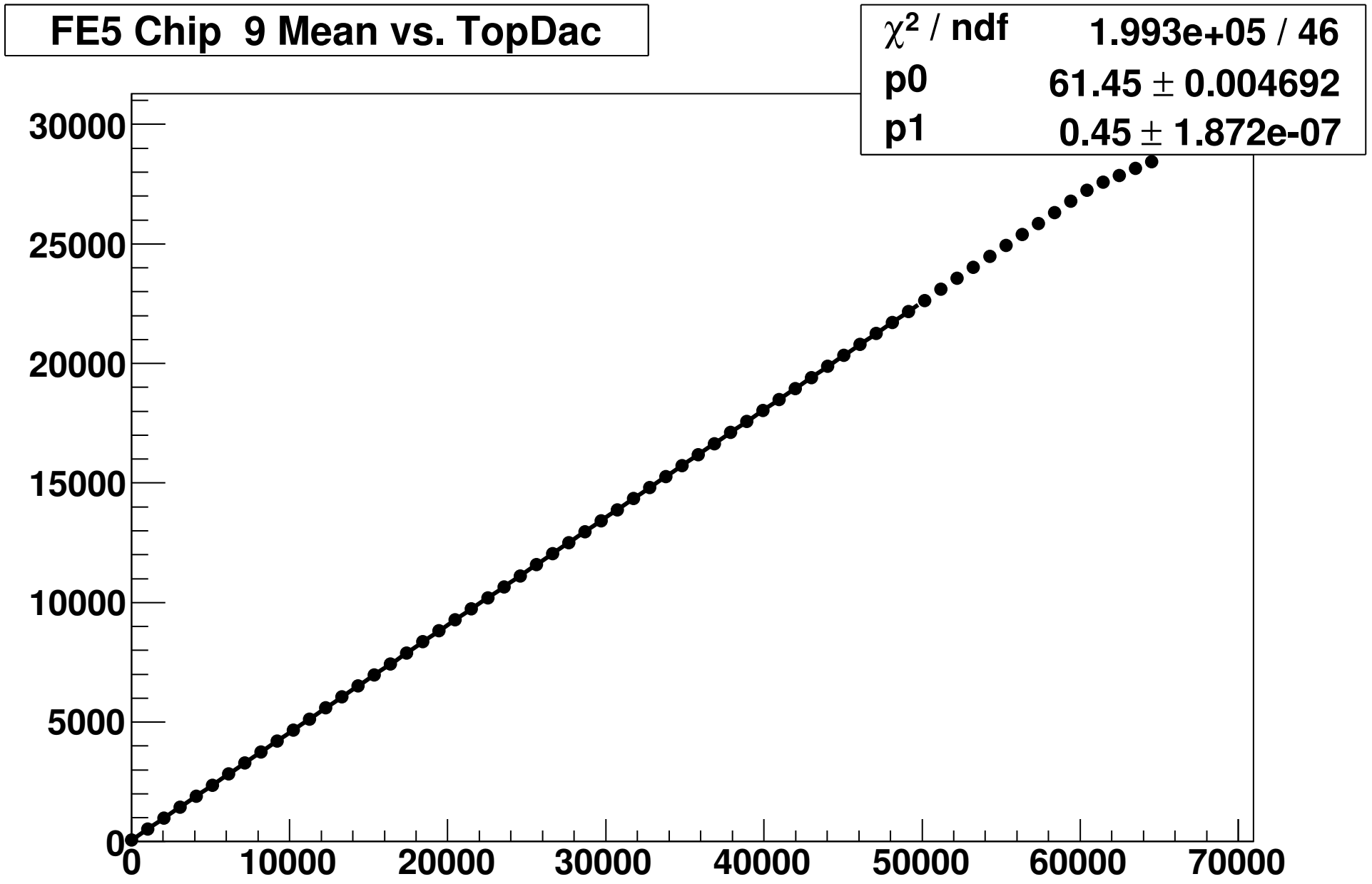
40000
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 3.09e+05 / 46
p0 57.76 ± 0.004707
p1 0.4499 ± 1.871e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1087 / 46
p0 1.383 ± 0.00263
p1 3.49e-05 ± 1.409e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 6985 / 46
p0 59.85 ± 0.00467
p1 1.122e-05 ± 1.621e-07
60.4
60.2
60
59.8
59.6
59.4
59.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 32.95 / 46
p0 1.513 ± 0.002457
p1 1.799e-06 ± 1.866e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.993e+05 / 46
p0 61.45 ± 0.004692
p1 0.45 ± 1.872e-07
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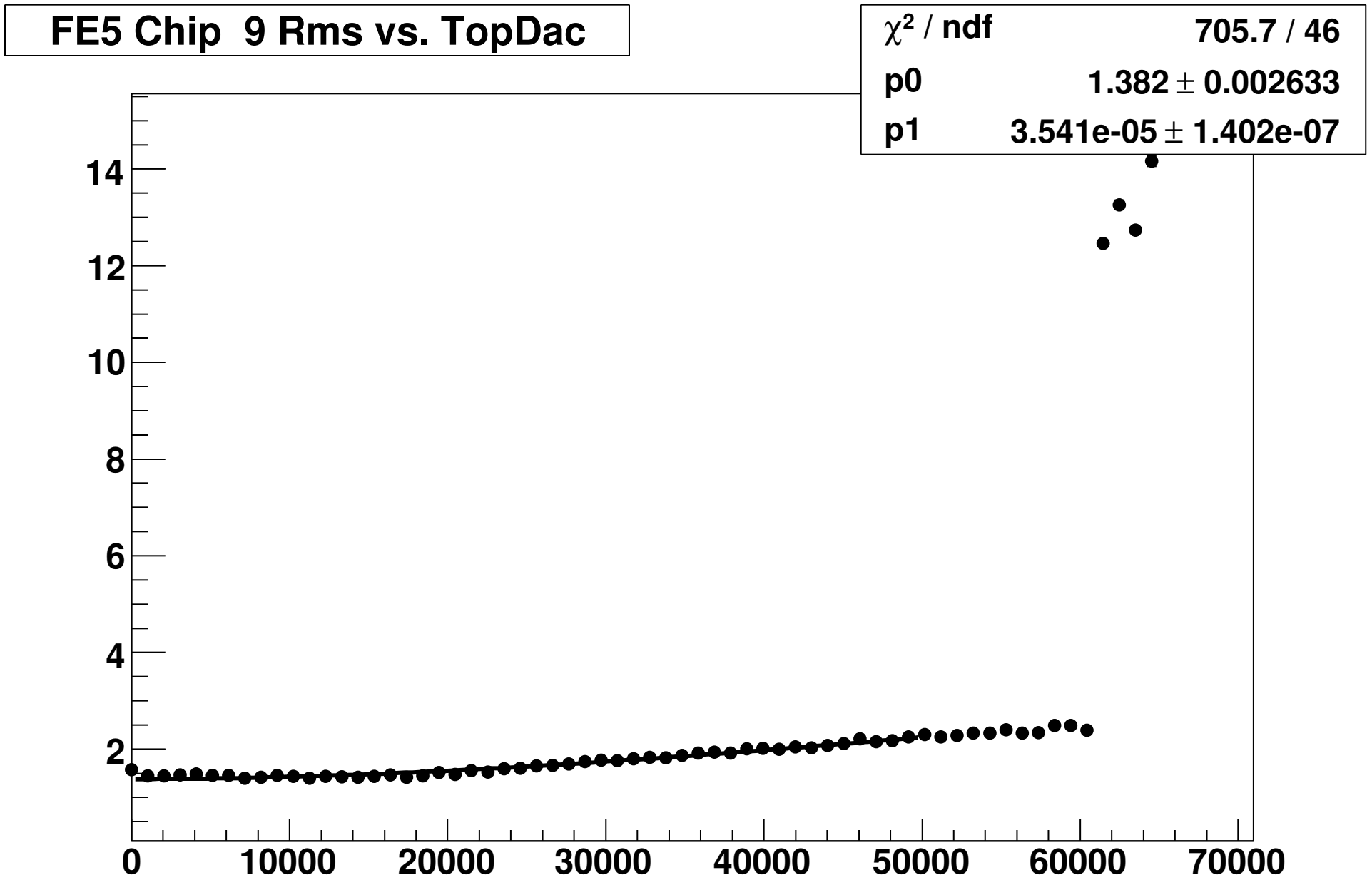
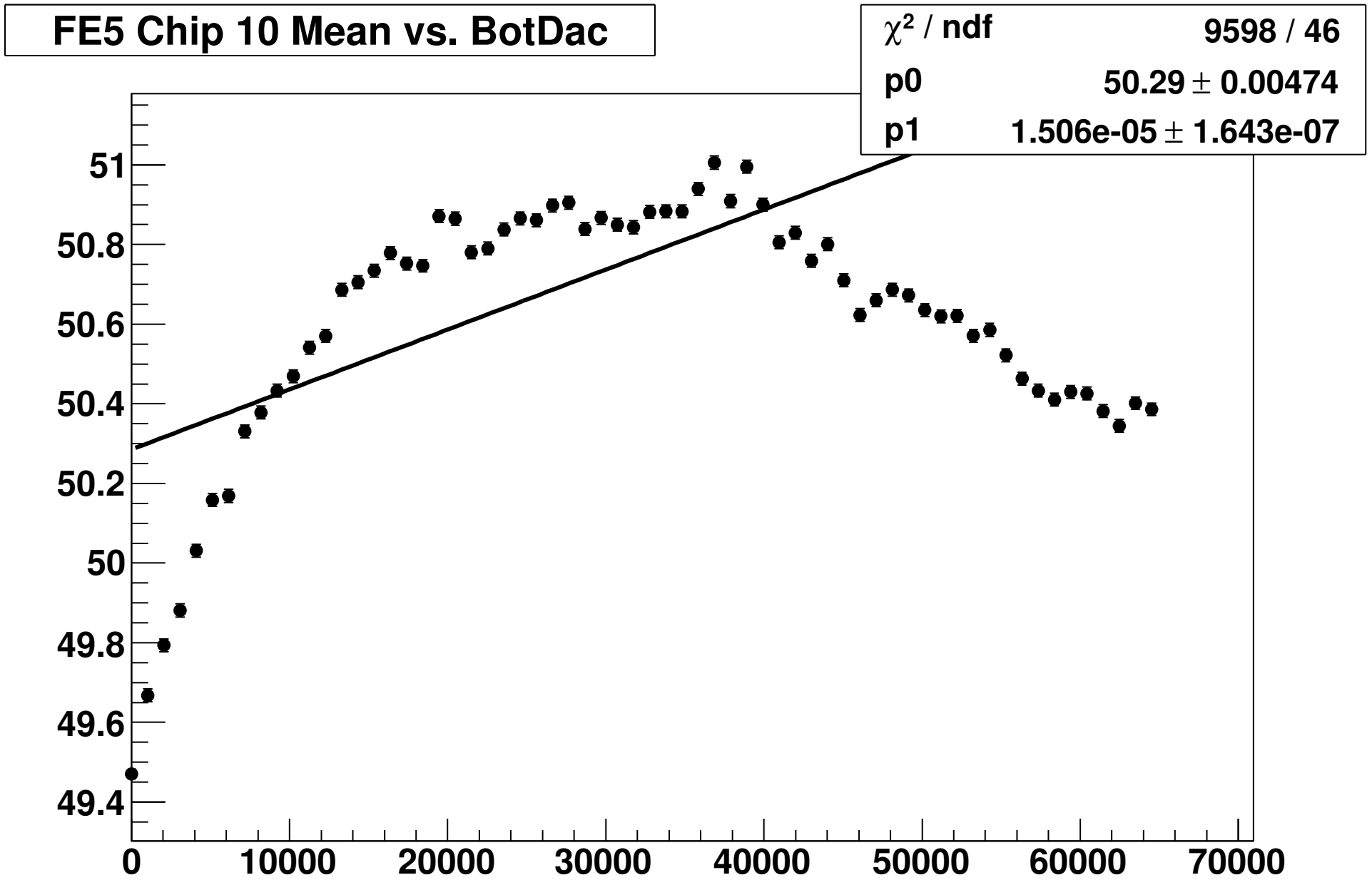
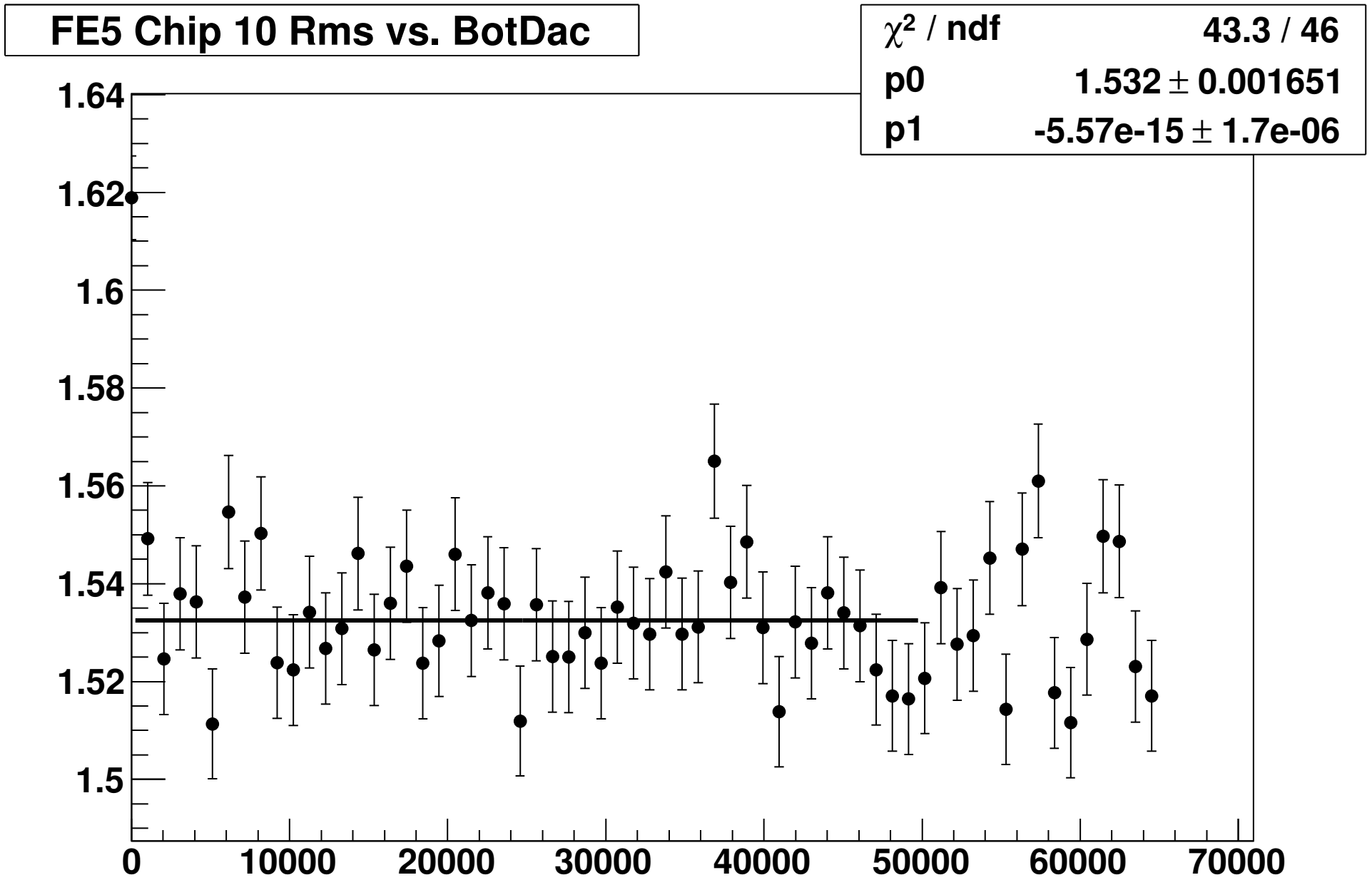
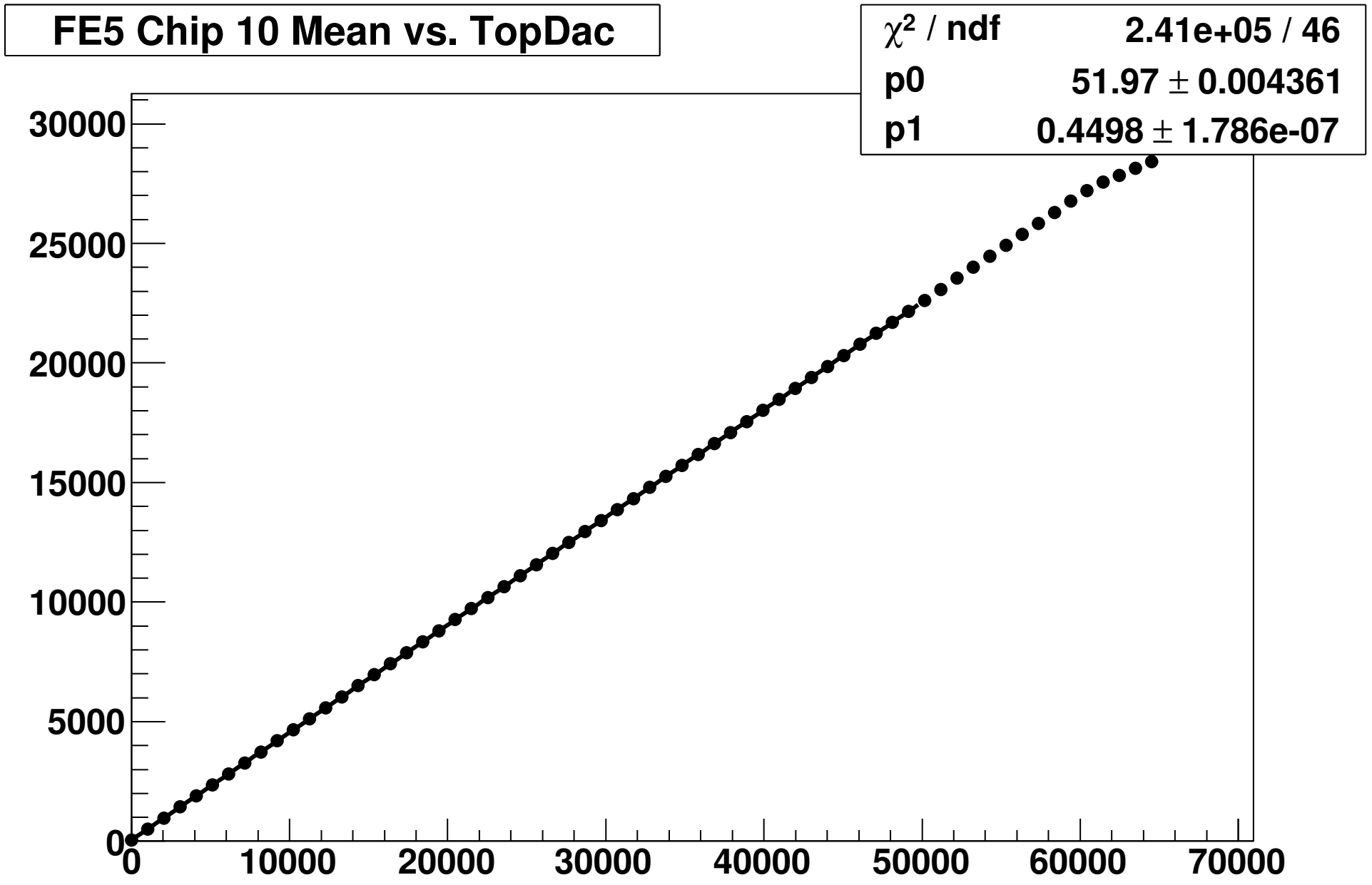
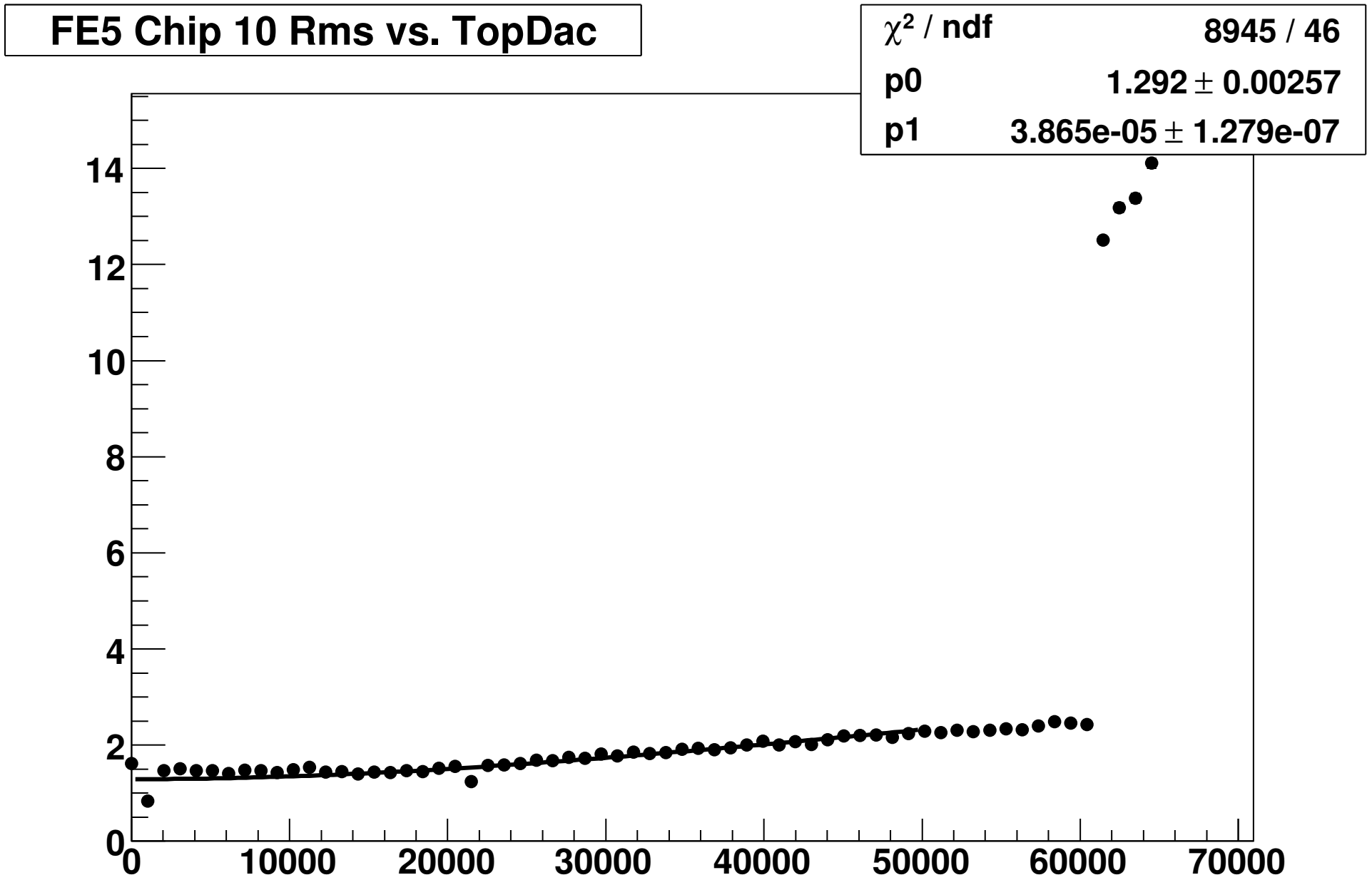
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

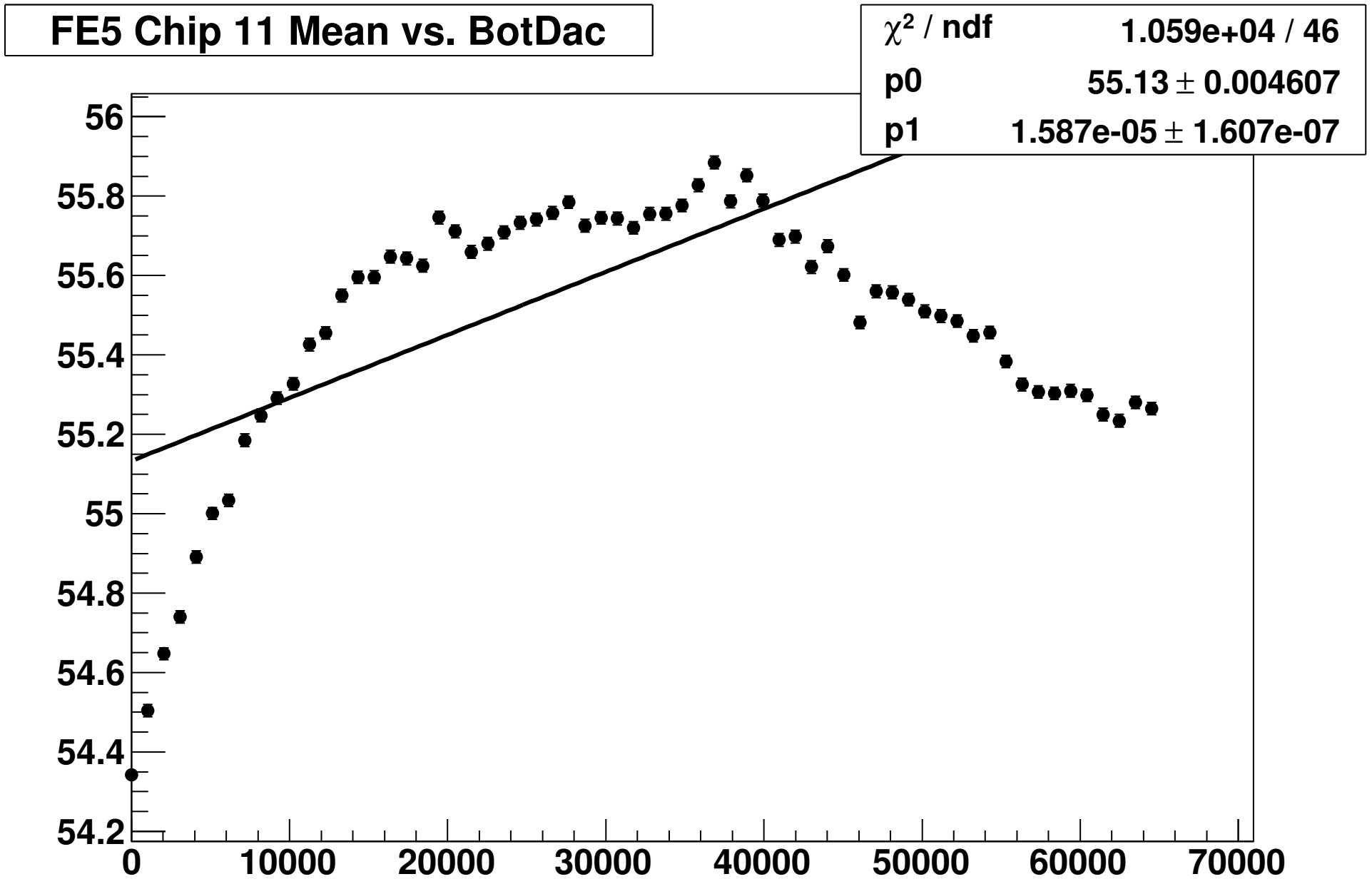

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 705.7 / 46
p0 1.382 ± 0.002633
p1 3.541e-05 ± 1.402e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

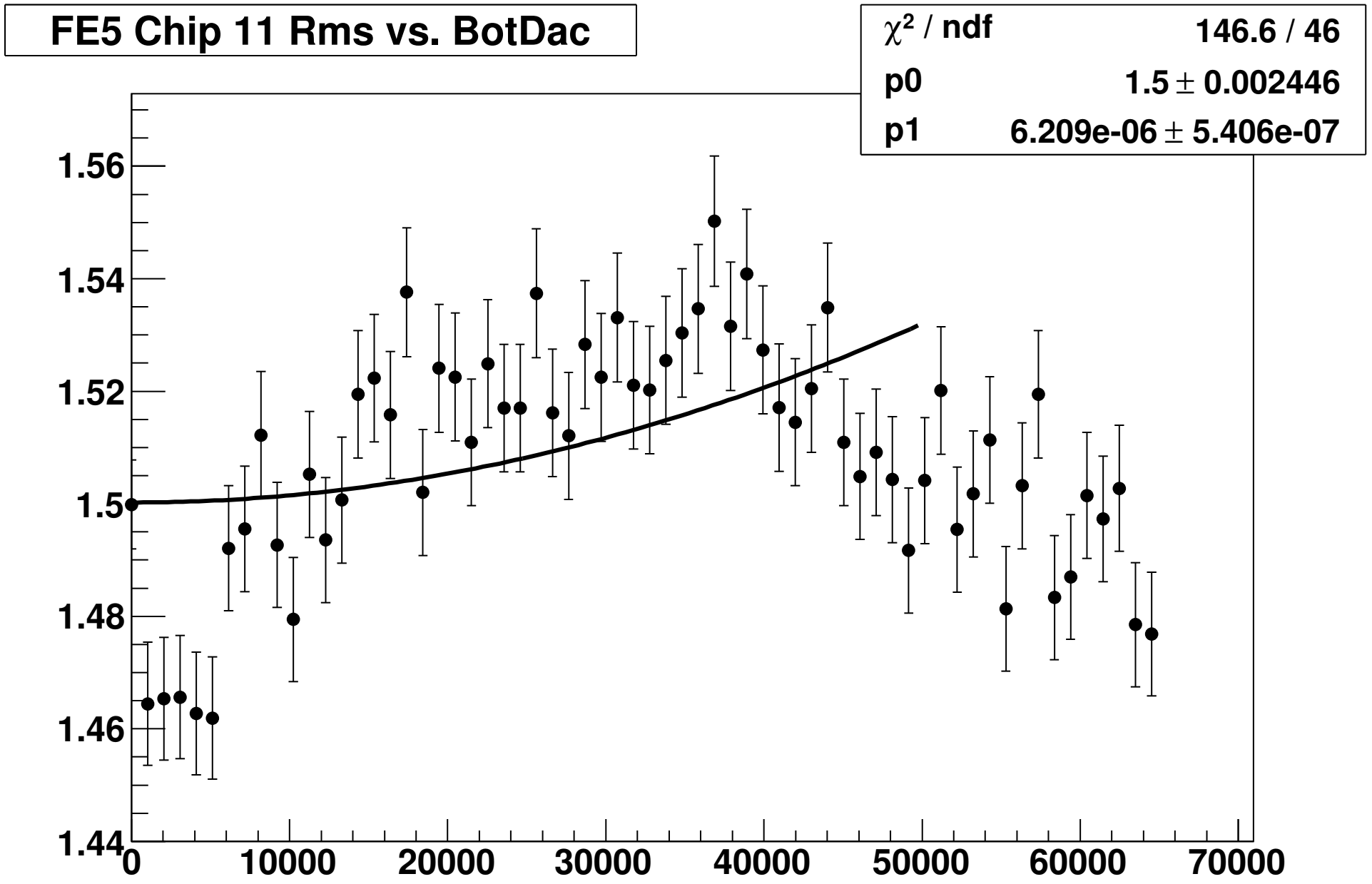

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 9598 / 46
p0 50.29 ± 0.00474
p1 1.506e-05 ± 1.643e-07
51
50.8
50.6
50.4
50.2
50
49.8
49.6
49.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 43.3 / 46
p0 1.532 ± 0.001651
p1 -5.57e-15 ± 1.7e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 2.41e+05 / 46
p0 51.97 ± 0.004361
p1 0.4498 ± 1.786e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 8945 / 46
p0 1.292 ± 0.00257
p1 3.865e-05 ± 1.279e-07
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1.059e+04 / 46
p0 55.13 ± 0.004607
p1 1.587e-05 ± 1.607e-07
56
55.8
55.6
55.4
55.2
55
54.8
54.6
54.4
54.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 146.6 / 46
p0 1.5 ± 0.002446
p1 6.209e-06 ± 5.406e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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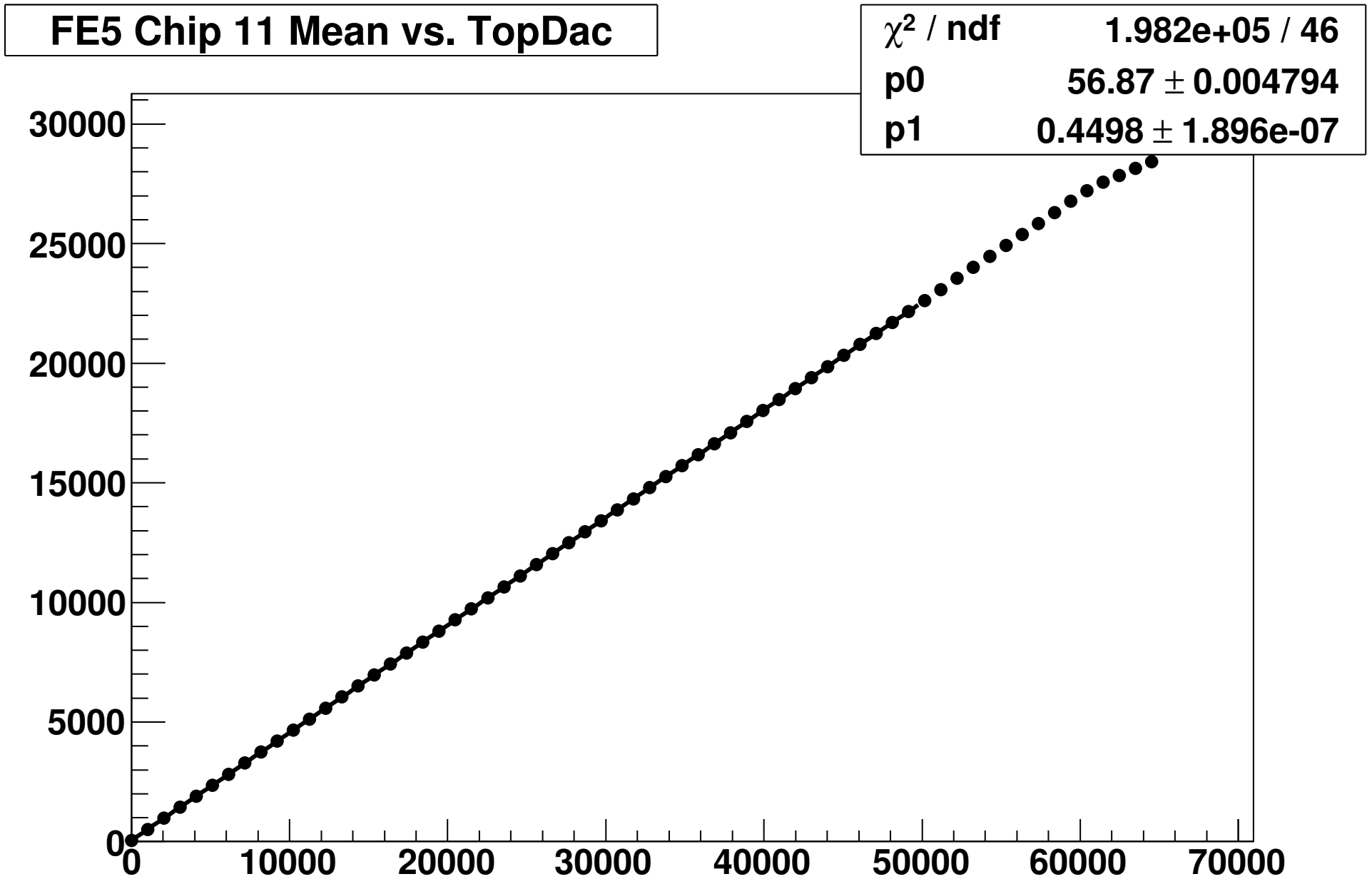
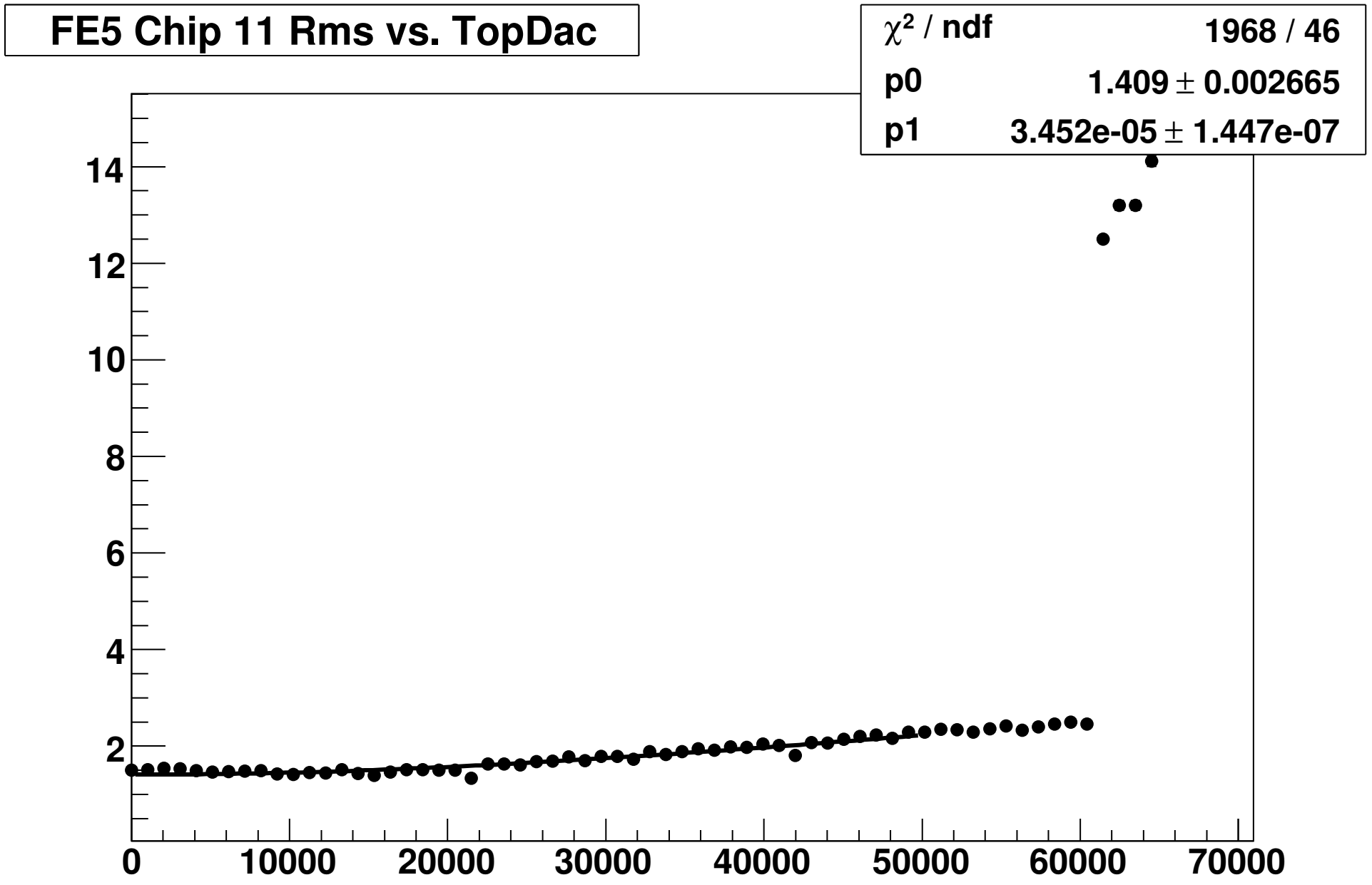
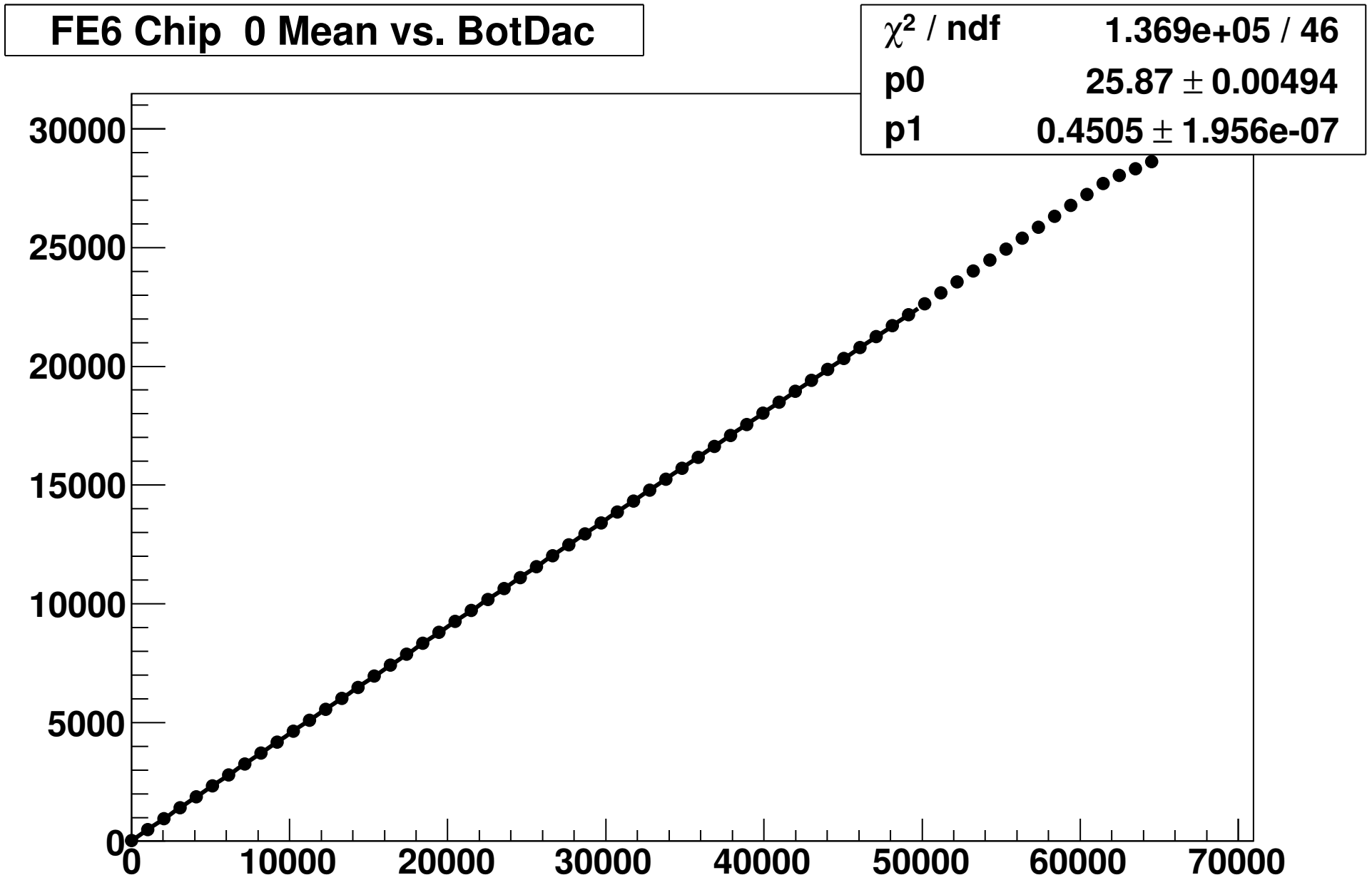
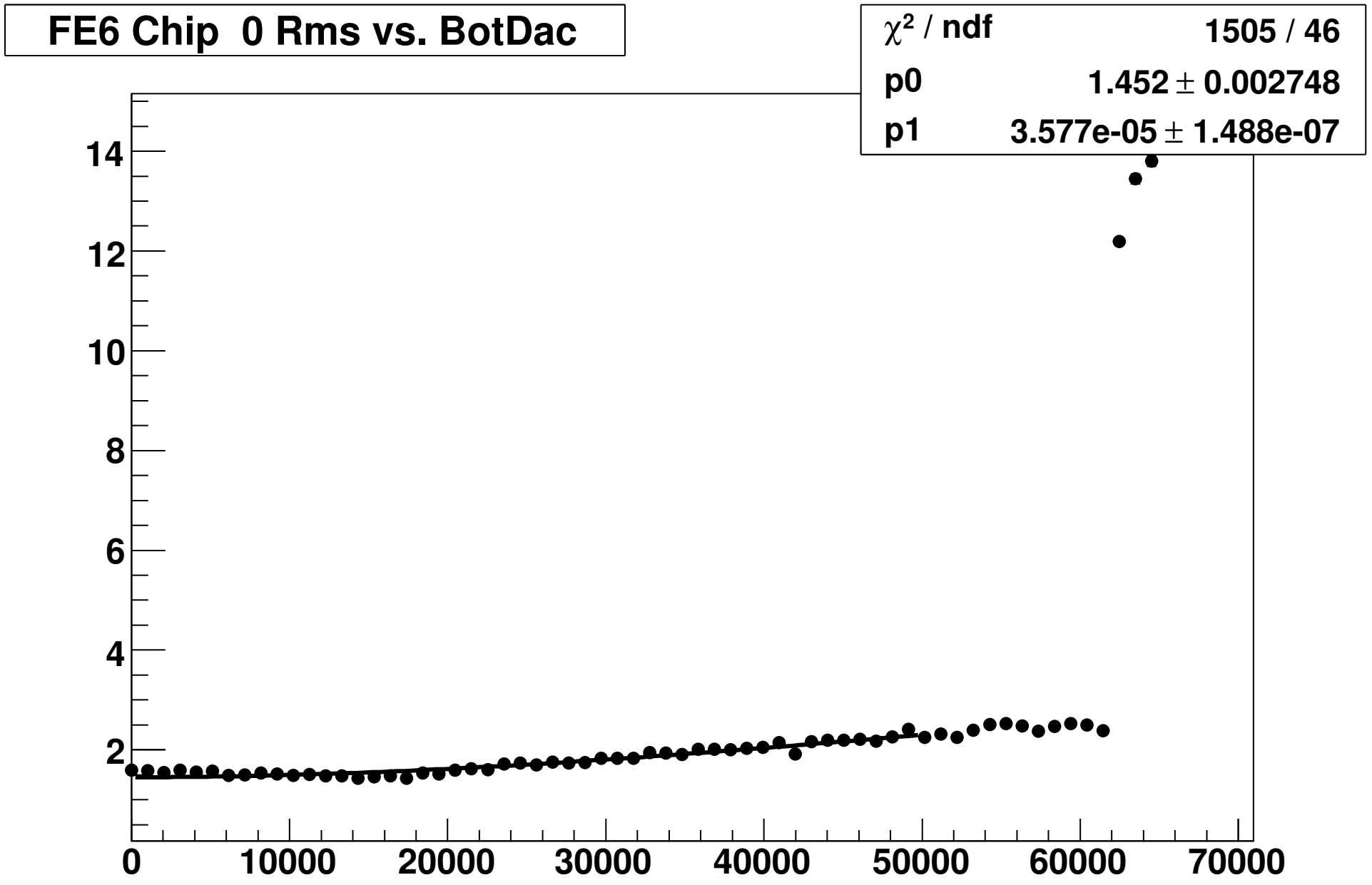
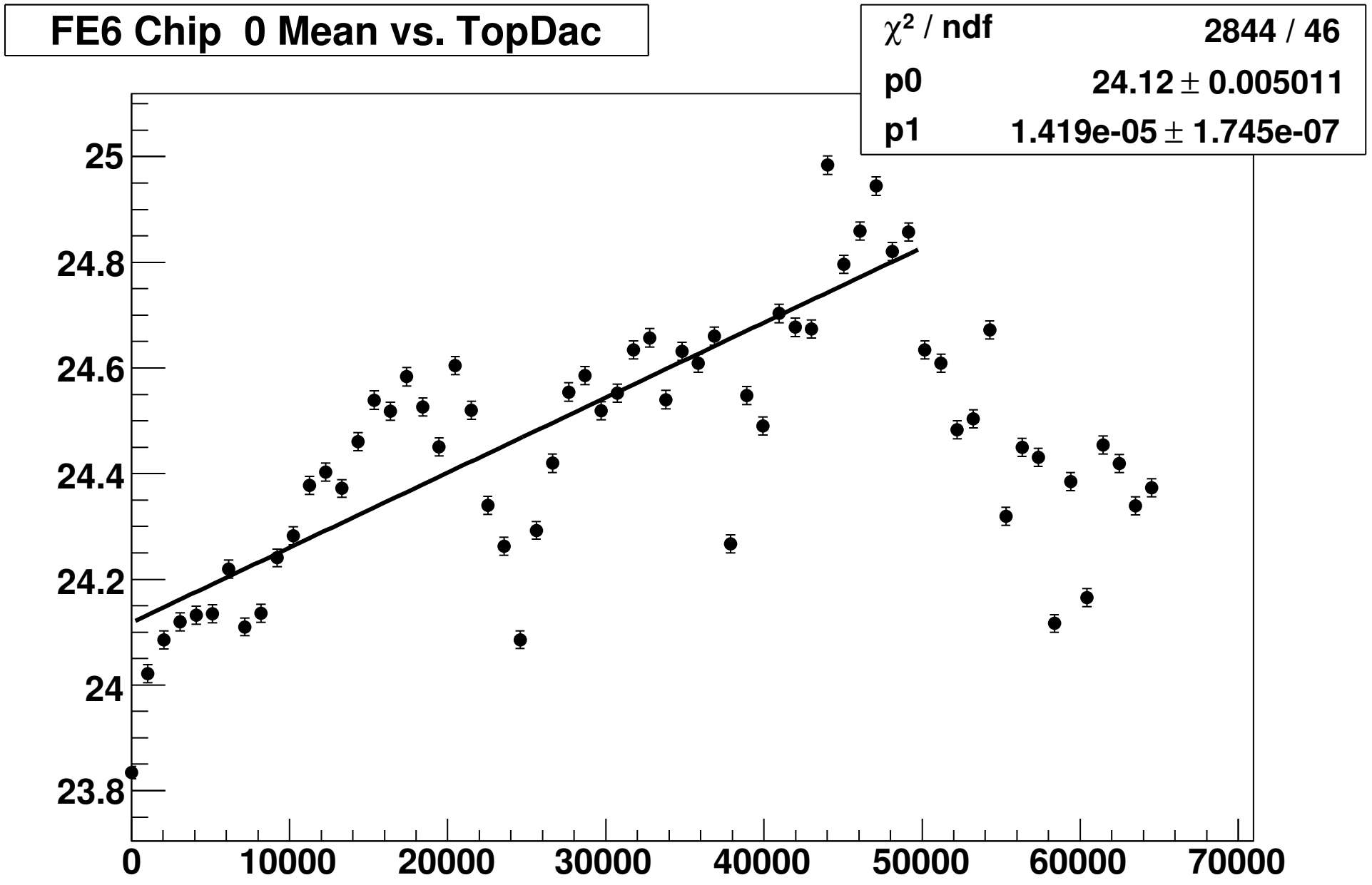
50000
60000
70000

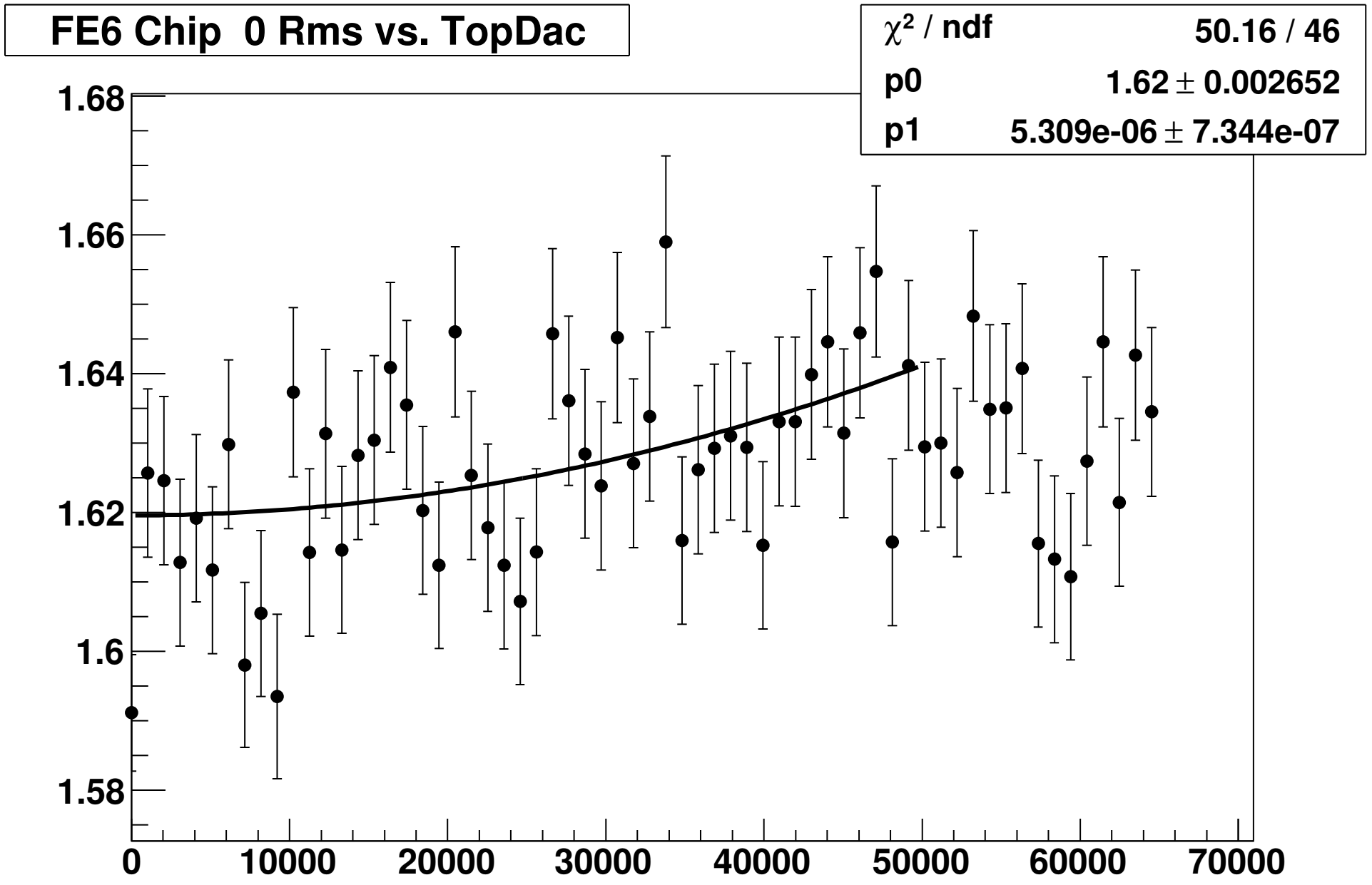

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.982e+05 / 46
p0 56.87 ± 0.004794
p1 0.4498 ± 1.896e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

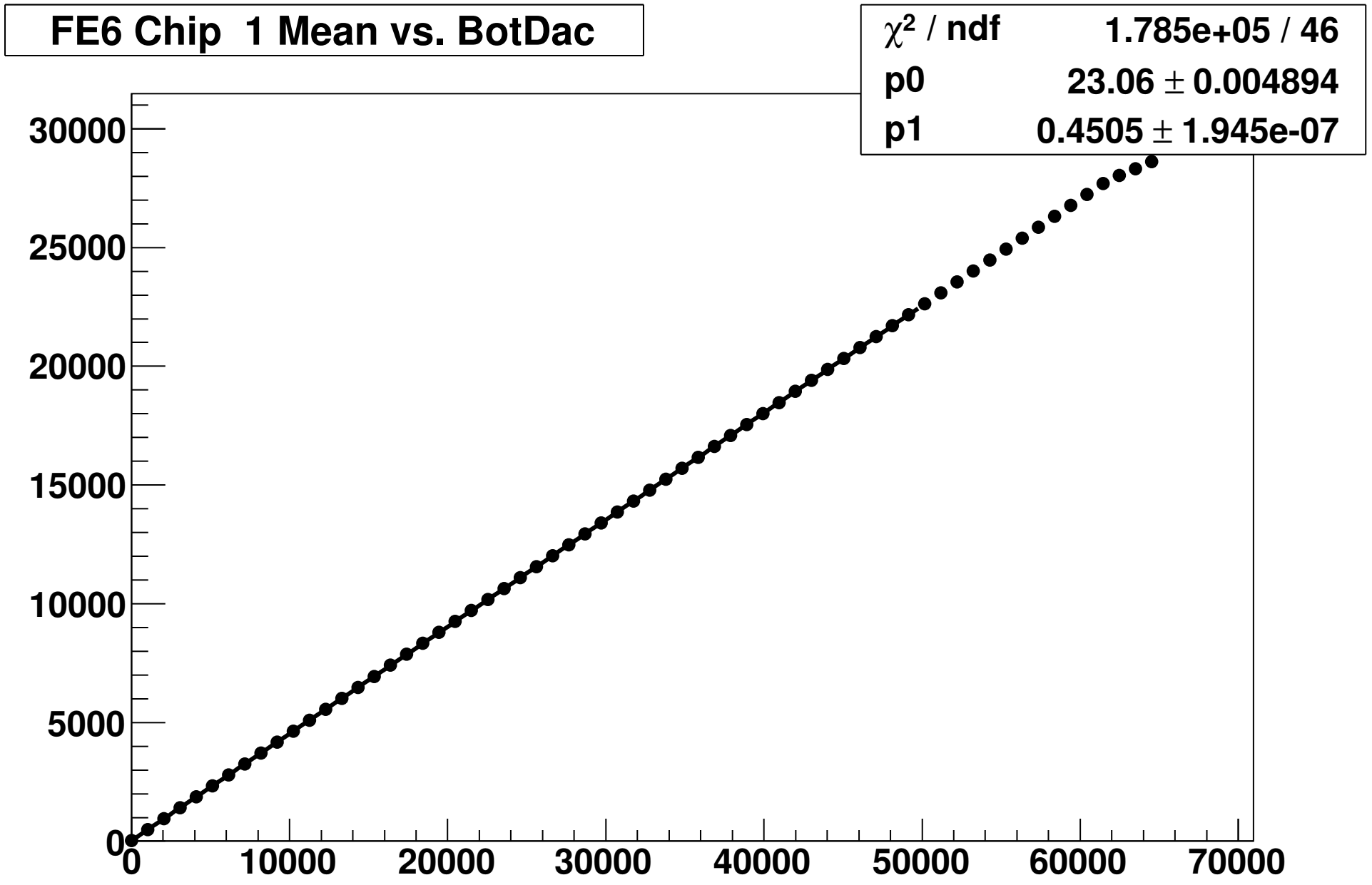

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1968 / 46
p0 1.409 ± 0.002665
p1 3.452e-05 ± 1.447e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

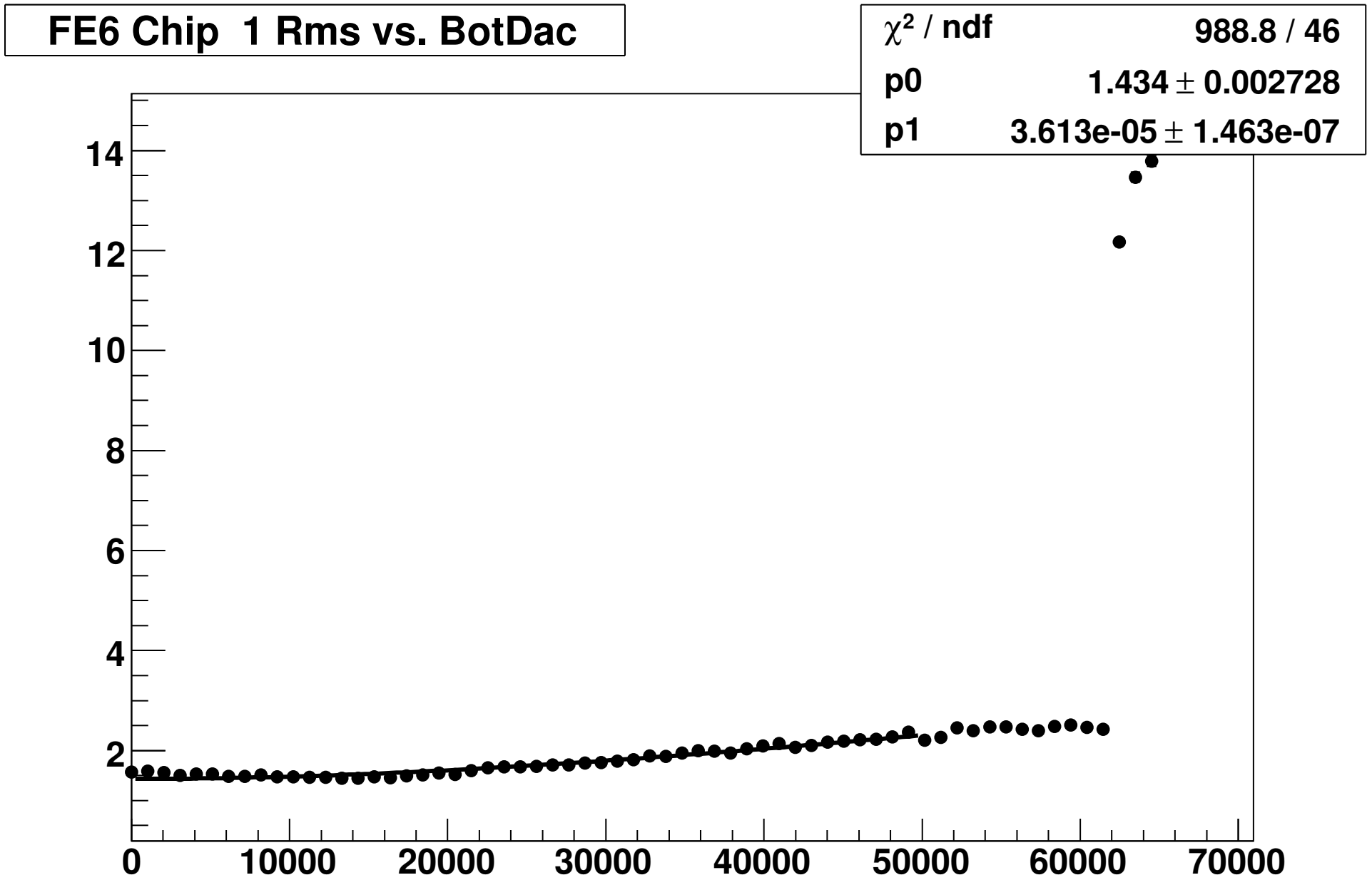

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.369e+05 / 46
p0 25.87 ± 0.00494
p1 0.4505 ± 1.956e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

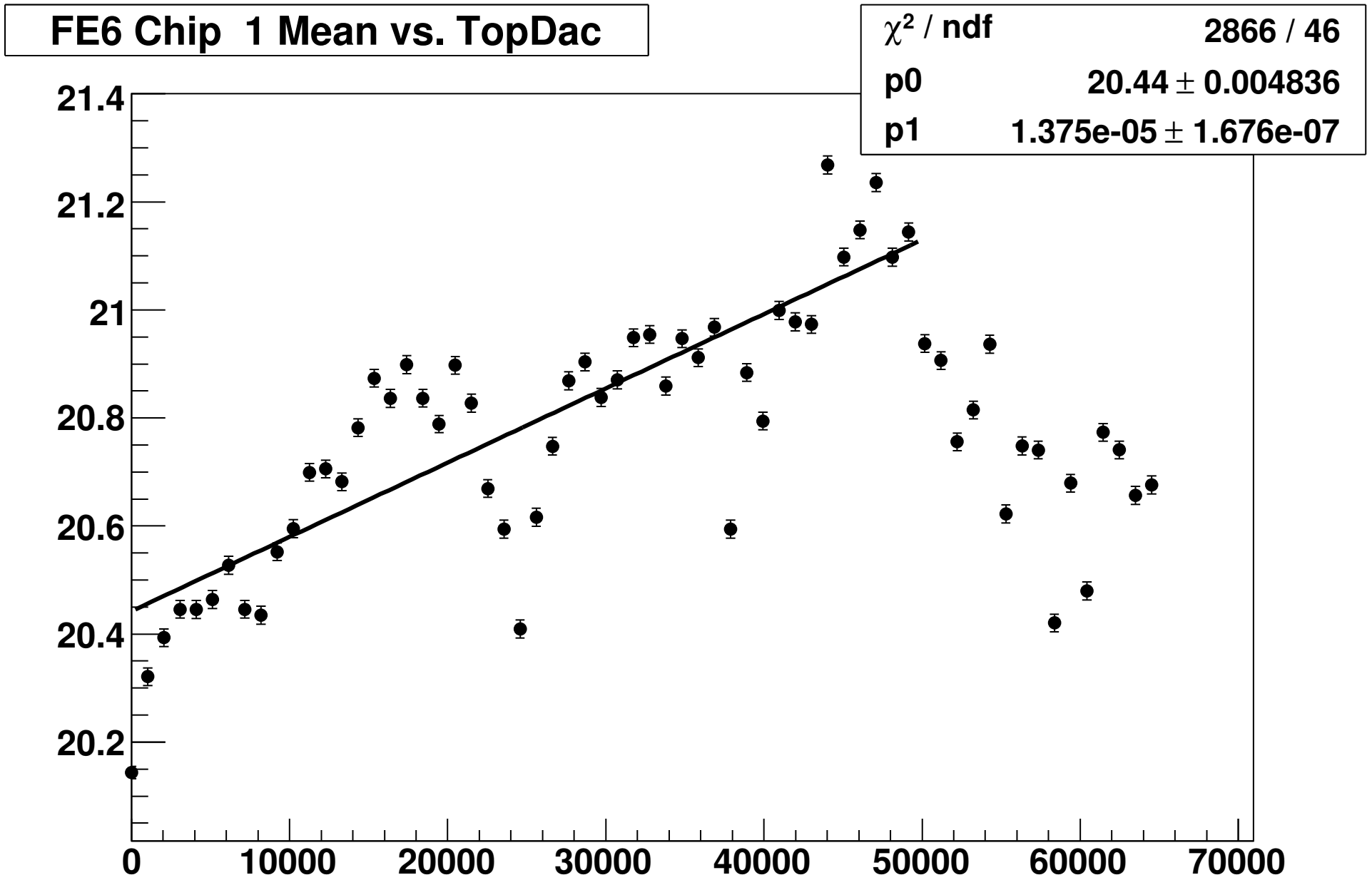

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1505 / 46
p0 1.452 ± 0.002748
p1 3.577e-05 ± 1.488e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

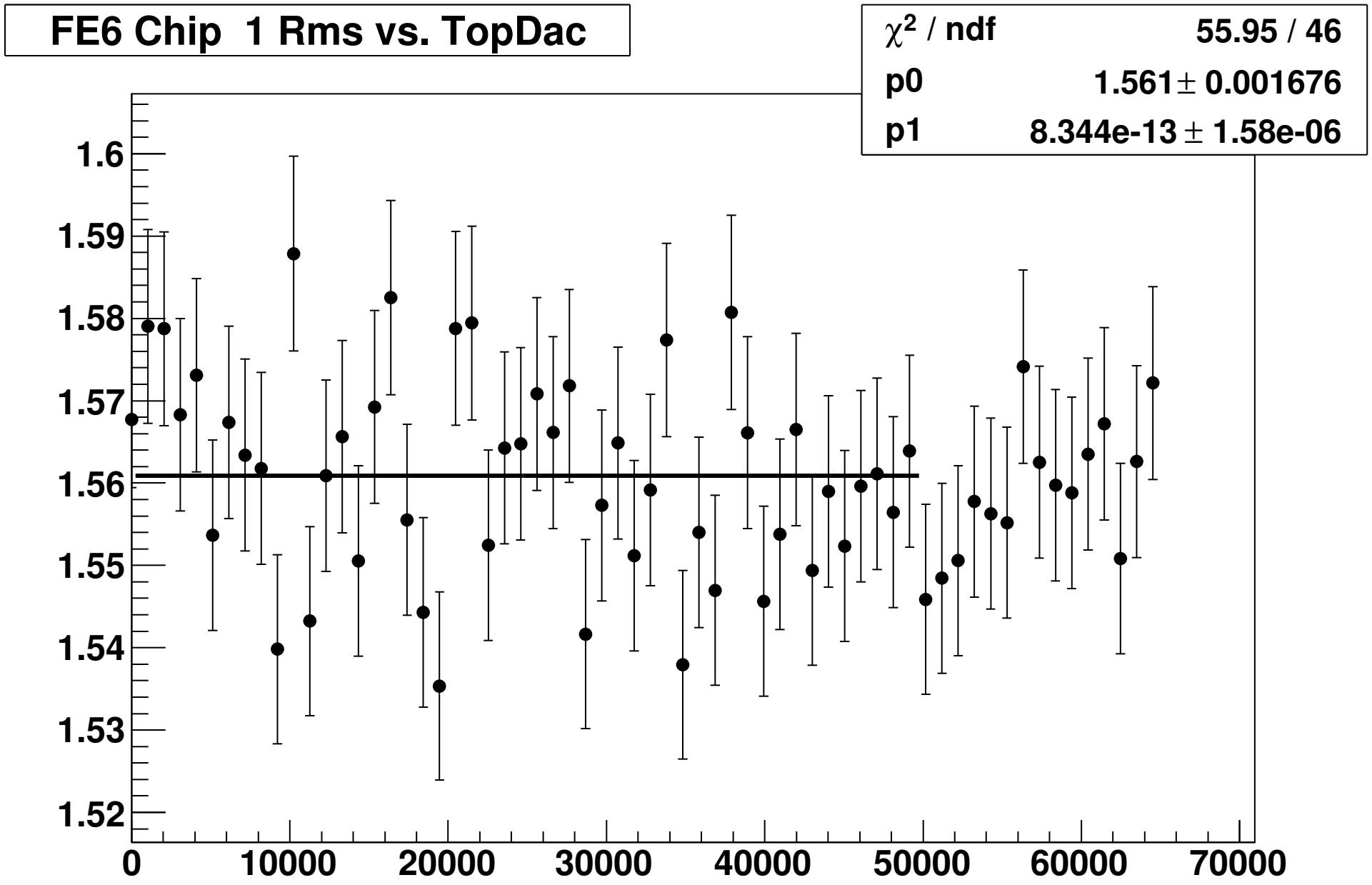

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 2844 / 46
p0 24.12 ± 0.005011
p1 1.419e-05 ± 1.745e-07
25
24.8
24.6
24.4
24.2
24
23.8
0
10000
20000
30000
40000
50000
60000
70000

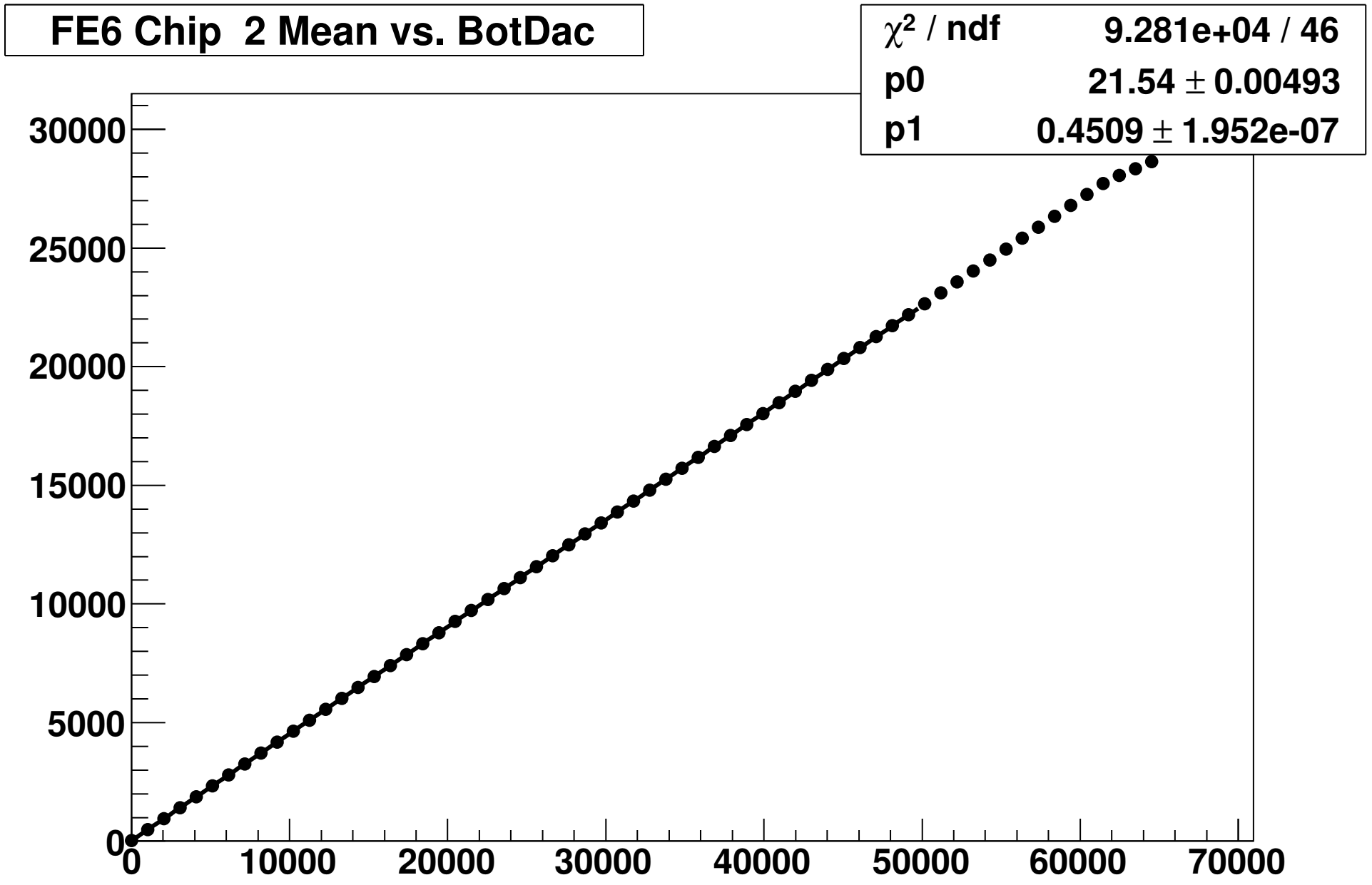

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 50.16 / 46
p0 1.62 ± 0.002652
p1 5.309e-06 ± 7.344e-07
1.68
1.66
1.64
1.62
1.6
1.58
0
10000
20000
30000
40000
50000
60000
70000

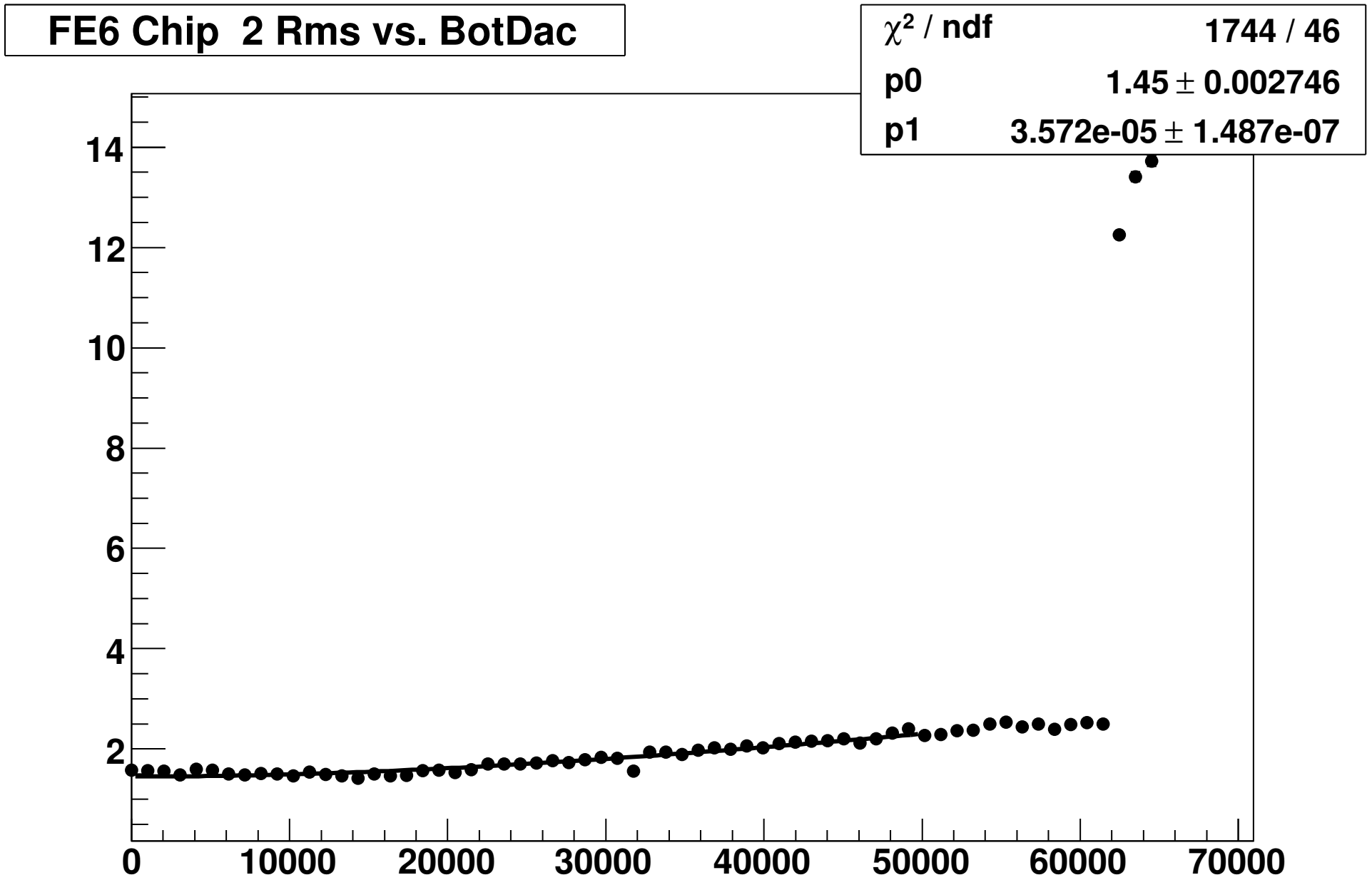

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.785e+05 / 46
p0 23.06 ± 0.004894
p1 0.4505 ± 1.945e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

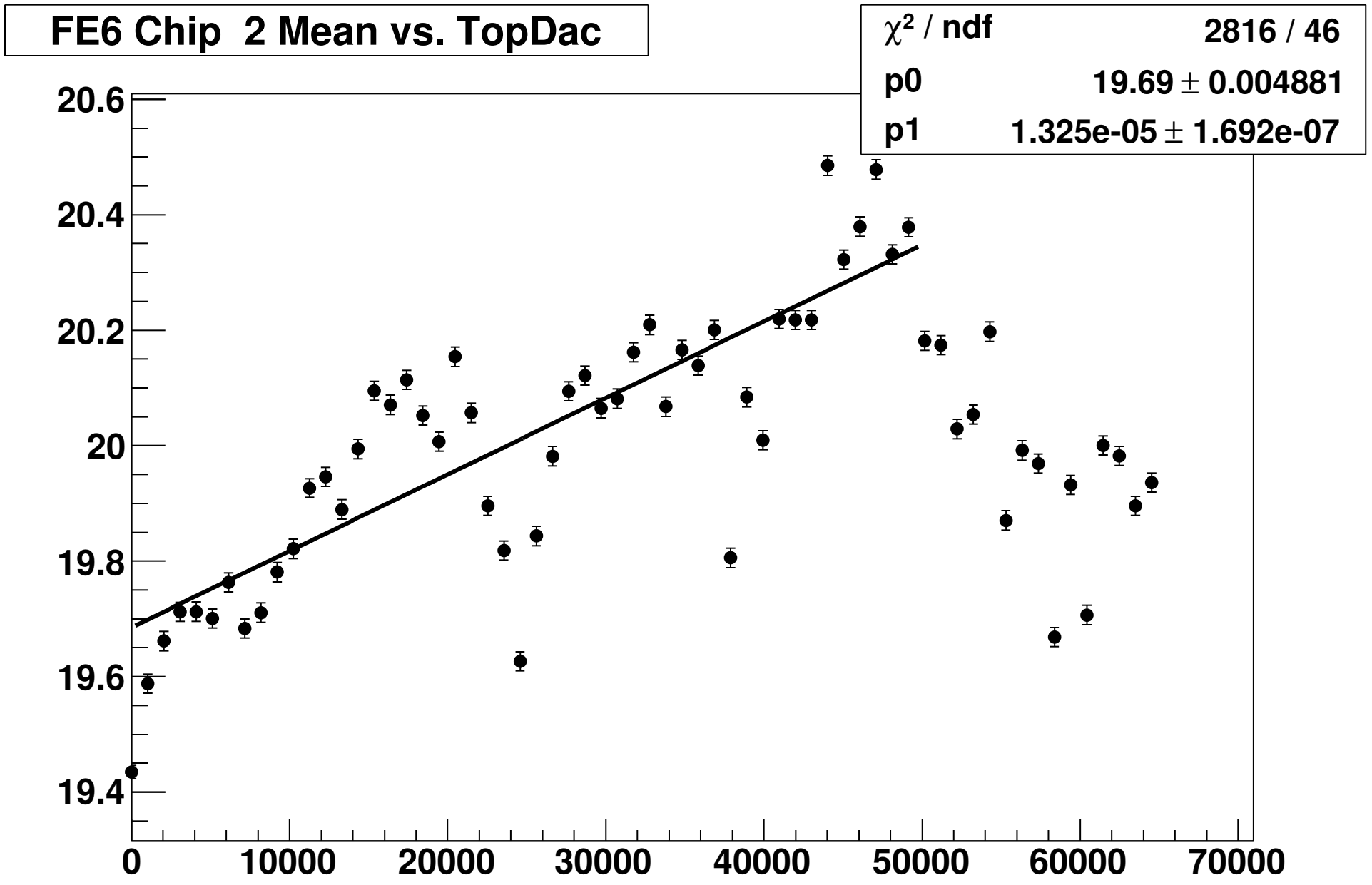

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 988.8 / 46
p0 1.434 ± 0.002728
p1 3.613e-05 ± 1.463e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 2866 / 46
p0 20.44 ± 0.004836
p1 1.375e-05 ± 1.676e-07
21.4
21.2
21
20.8
20.6
20.4
20.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 55.95 / 46
p0 1.561 ± 0.001676
p1 8.344e-13 ± 1.58e-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


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 9.281e+04 / 46
p0 21.54 ± 0.00493
p1 0.4509 ± 1.952e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1744 / 46
p0 1.45 ± 0.002746
p1 3.572e-05 ± 1.487e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 2816 / 46
p0 19.69 ± 0.004881
p1 1.325e-05 ± 1.692e-07
20.6
20.4
20.2
20
19.8
19.6
19.4
0
10000
20000
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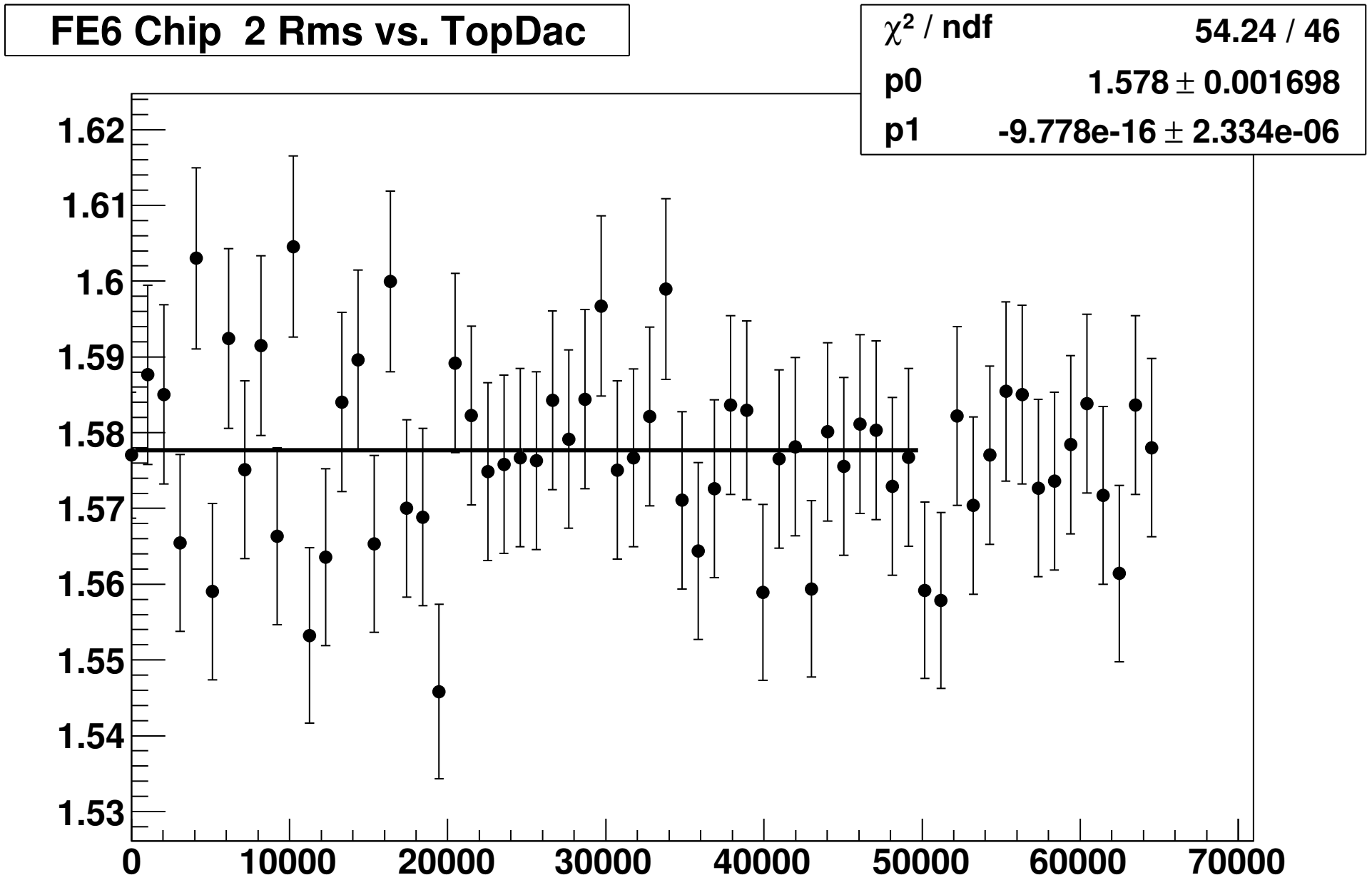
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 54.24 / 46
p0 1.578 ± 0.001698
p1 -9.778e-16 ± 2.334e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
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60000
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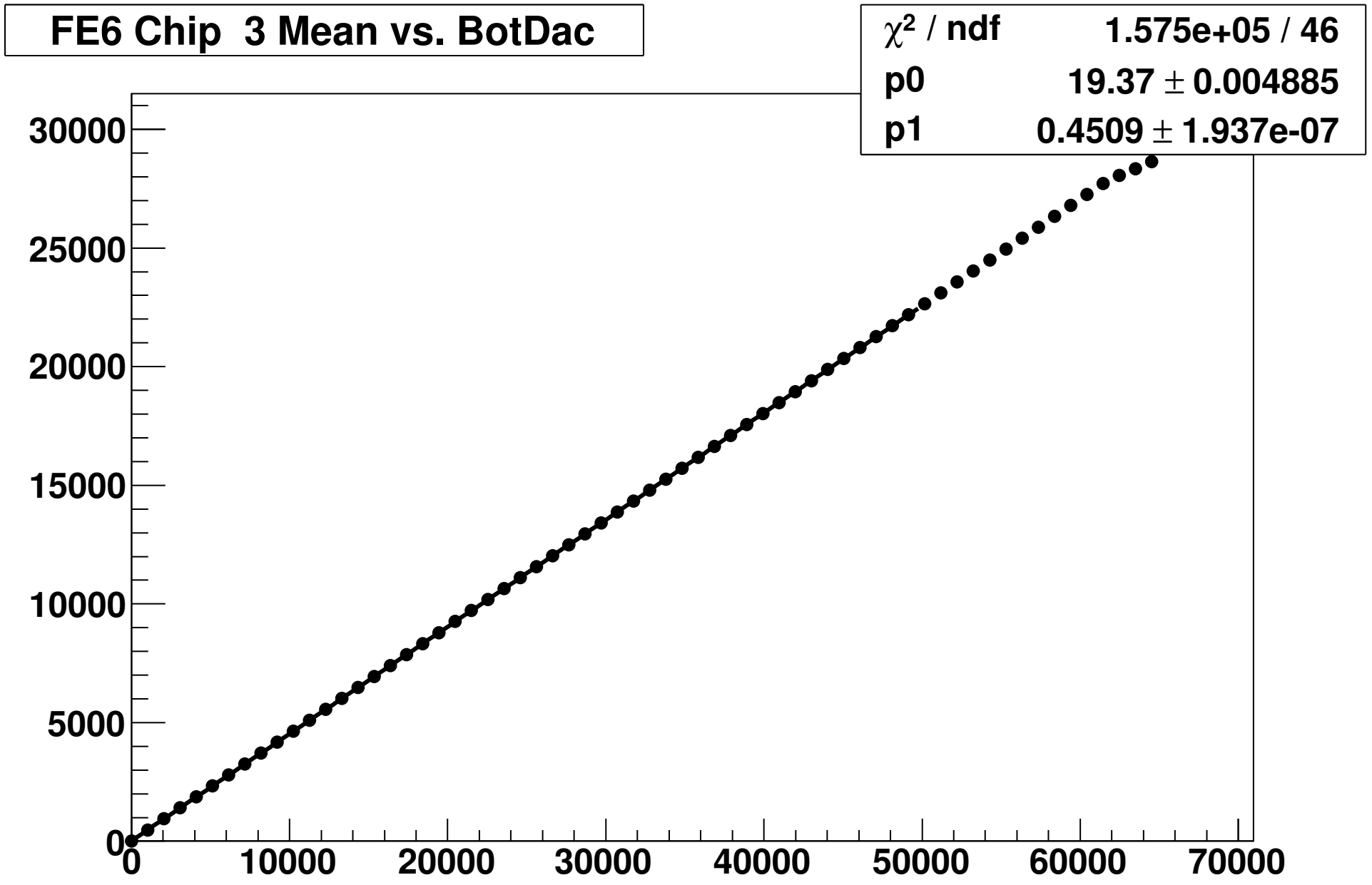
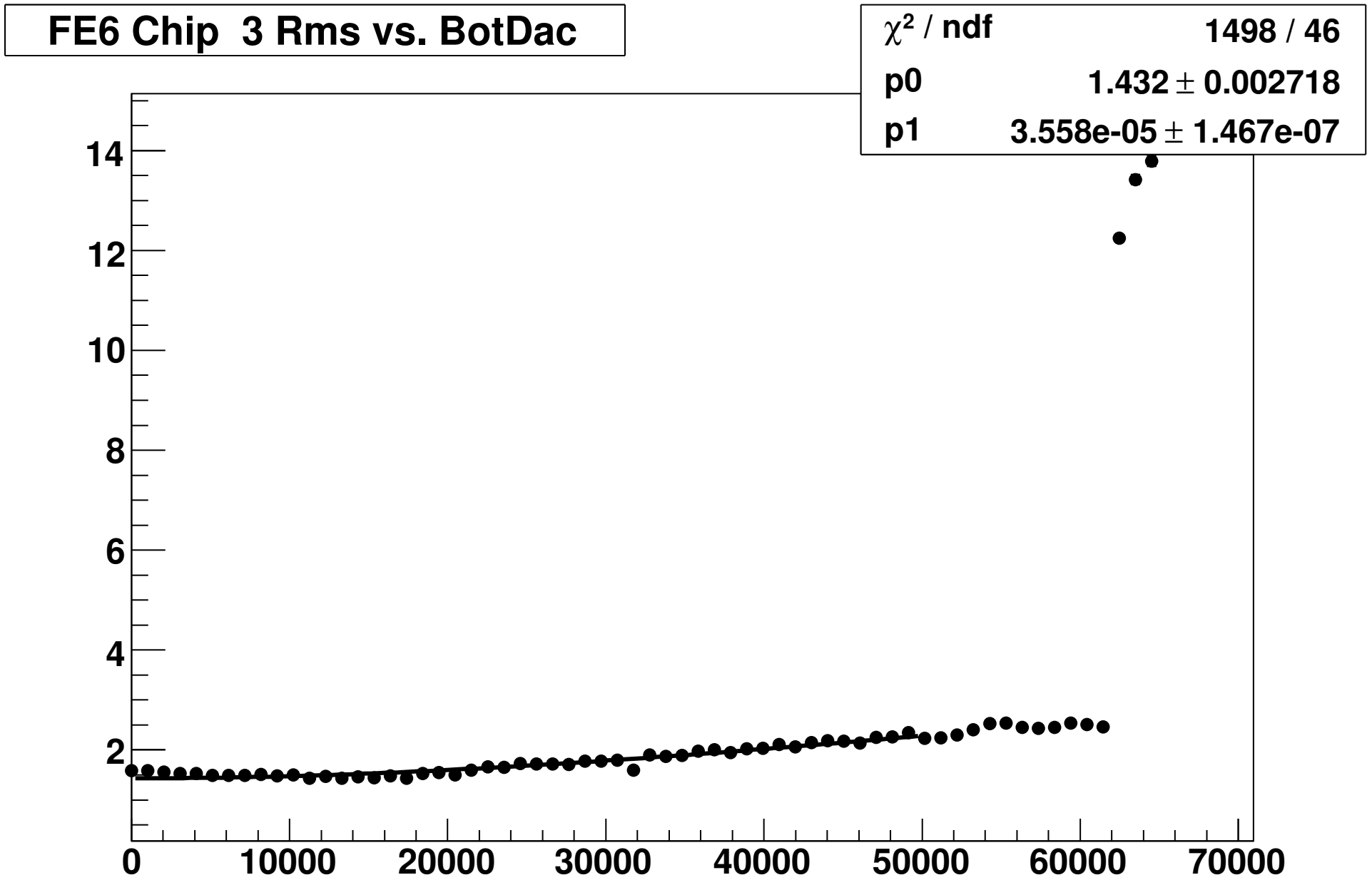
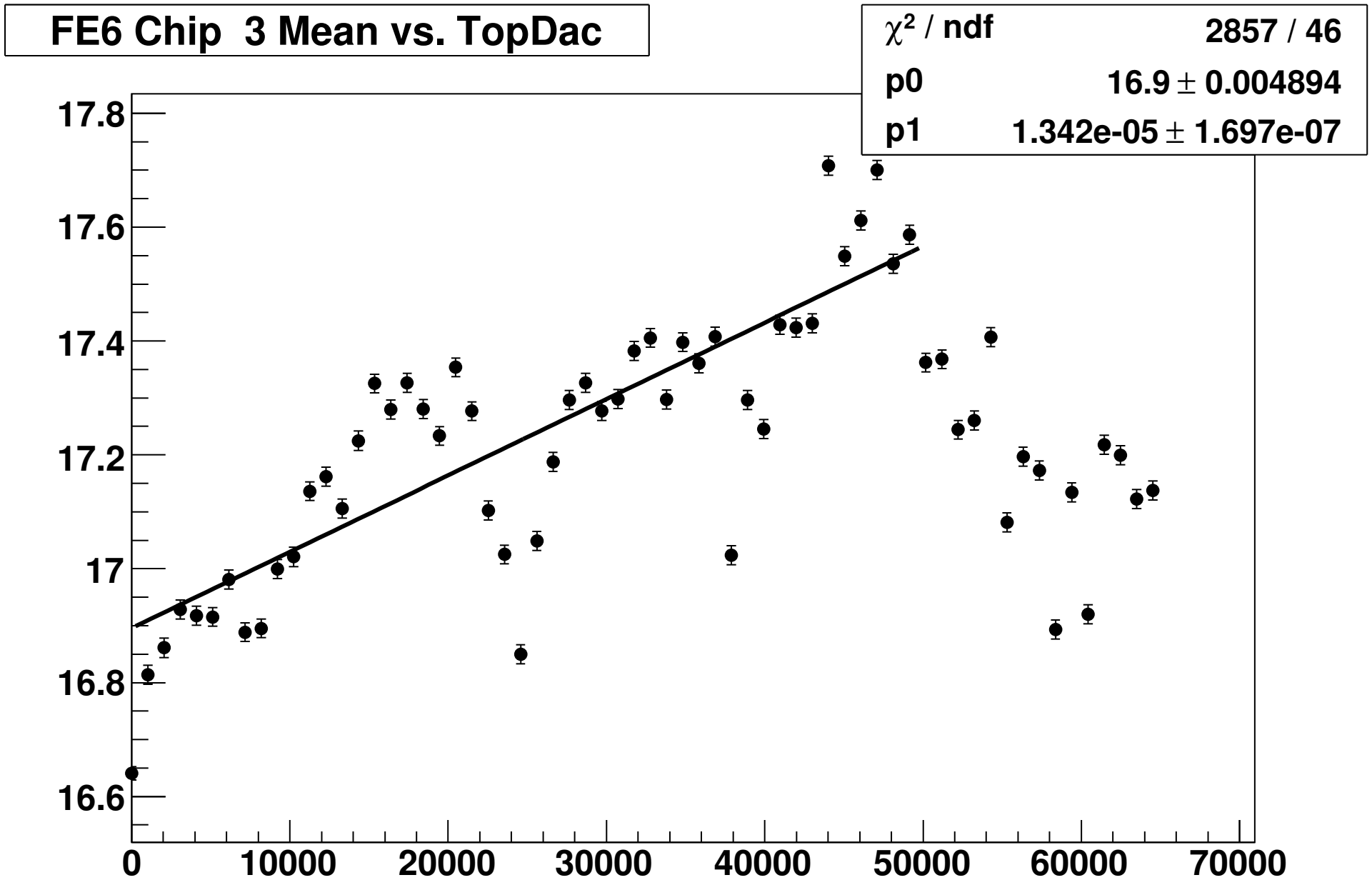
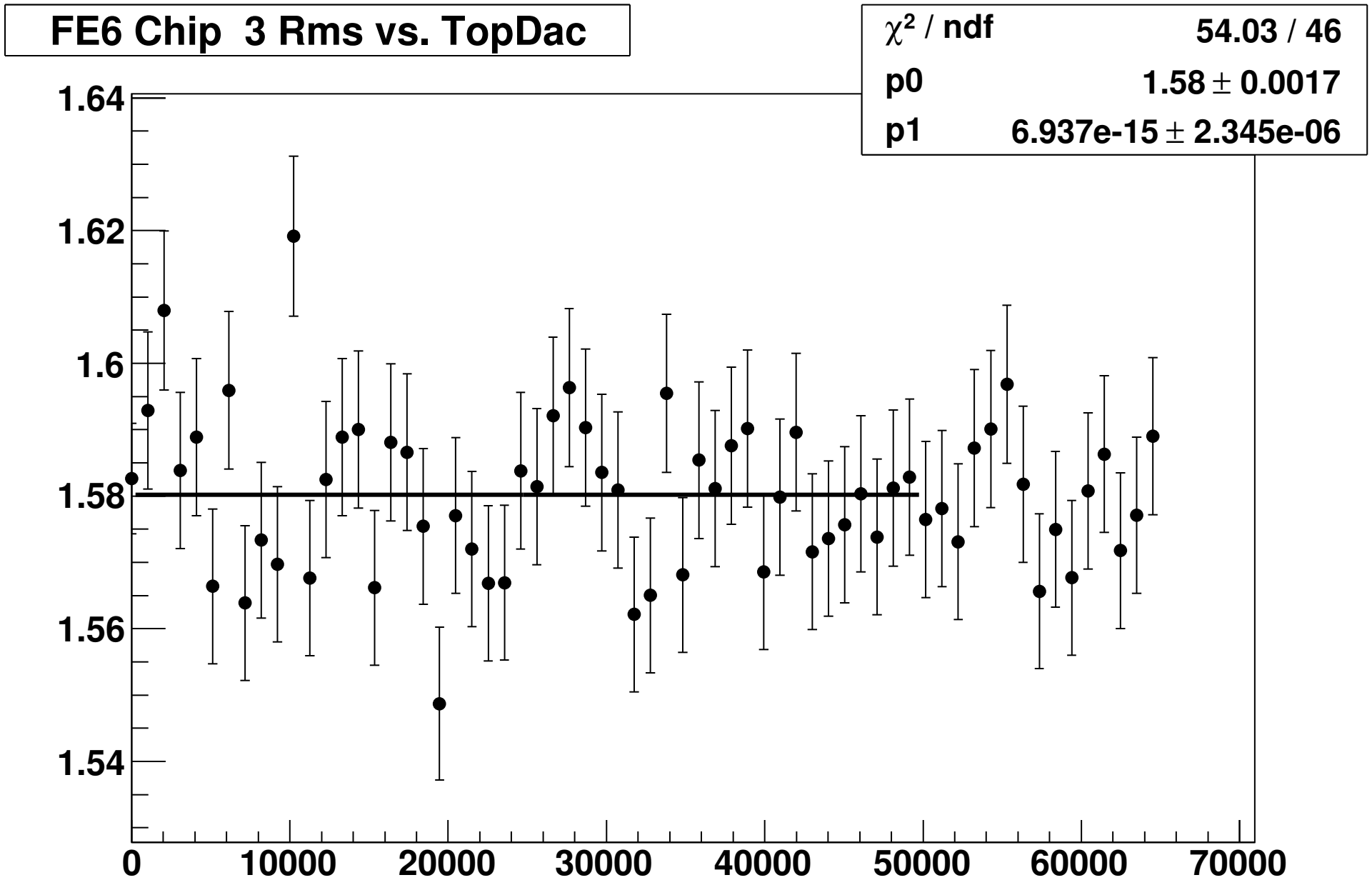
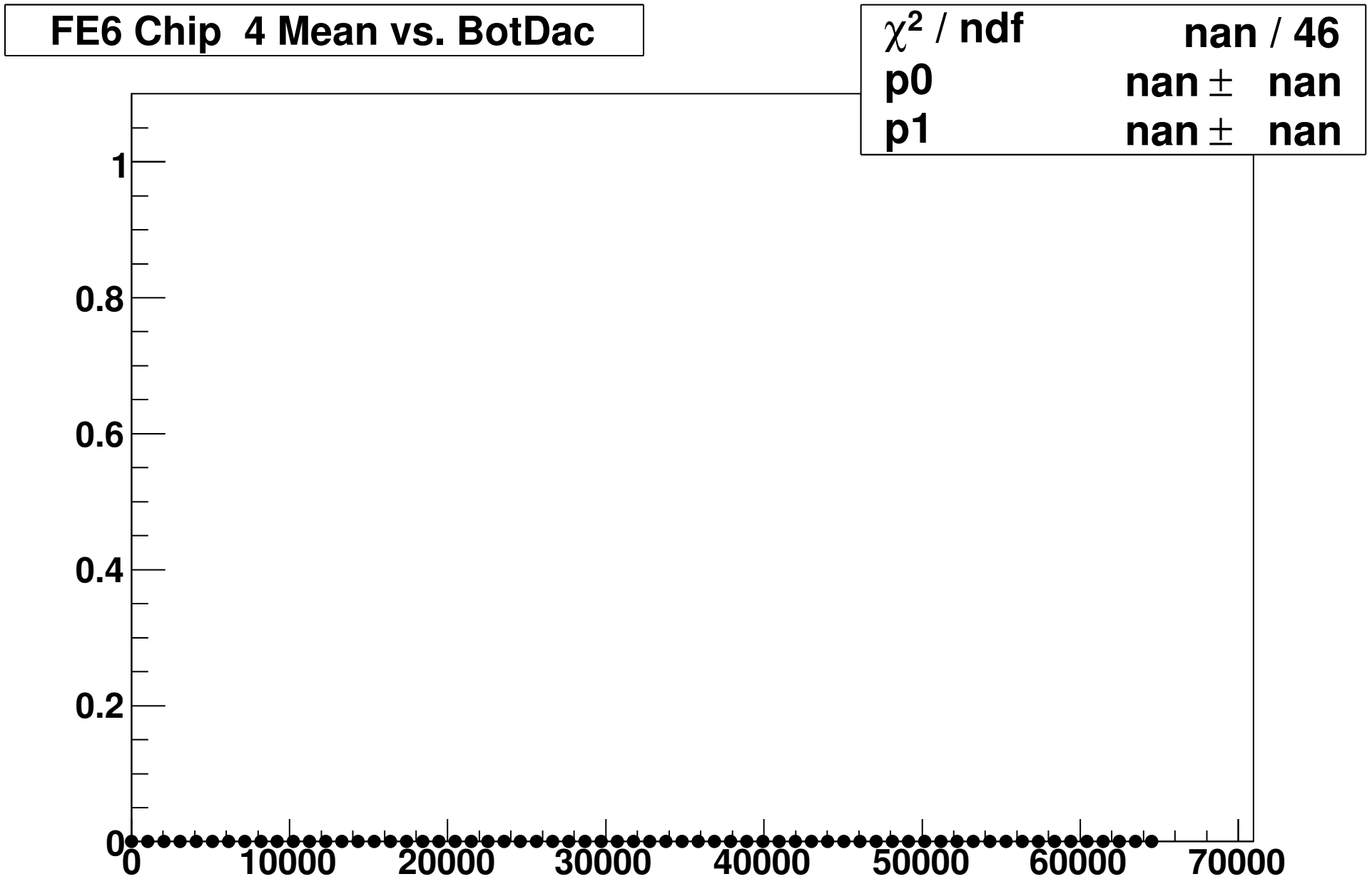
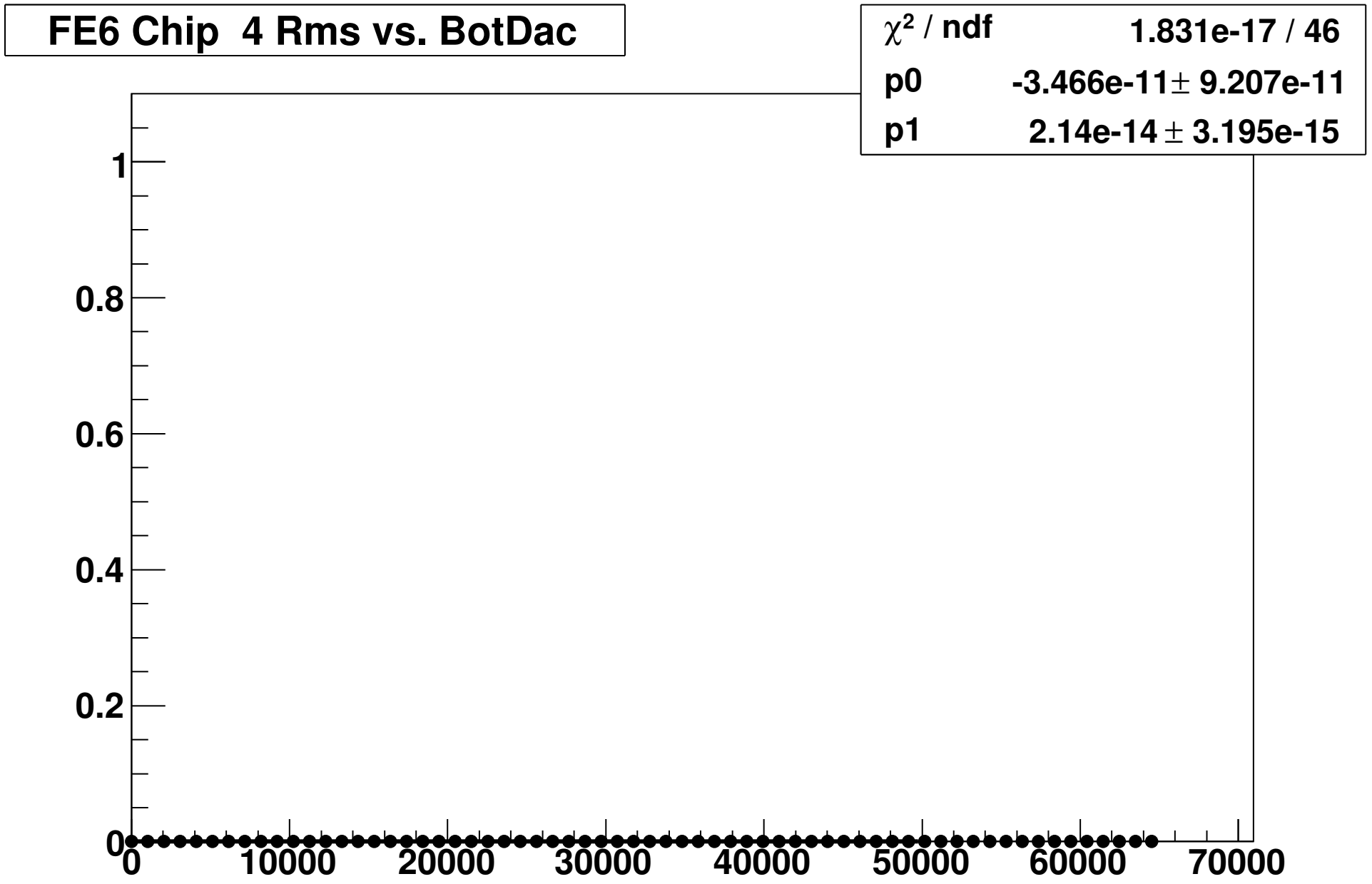

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.575e+05 / 46
p0 19.37 ± 0.004885
p1 0.4509 ± 1.937e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

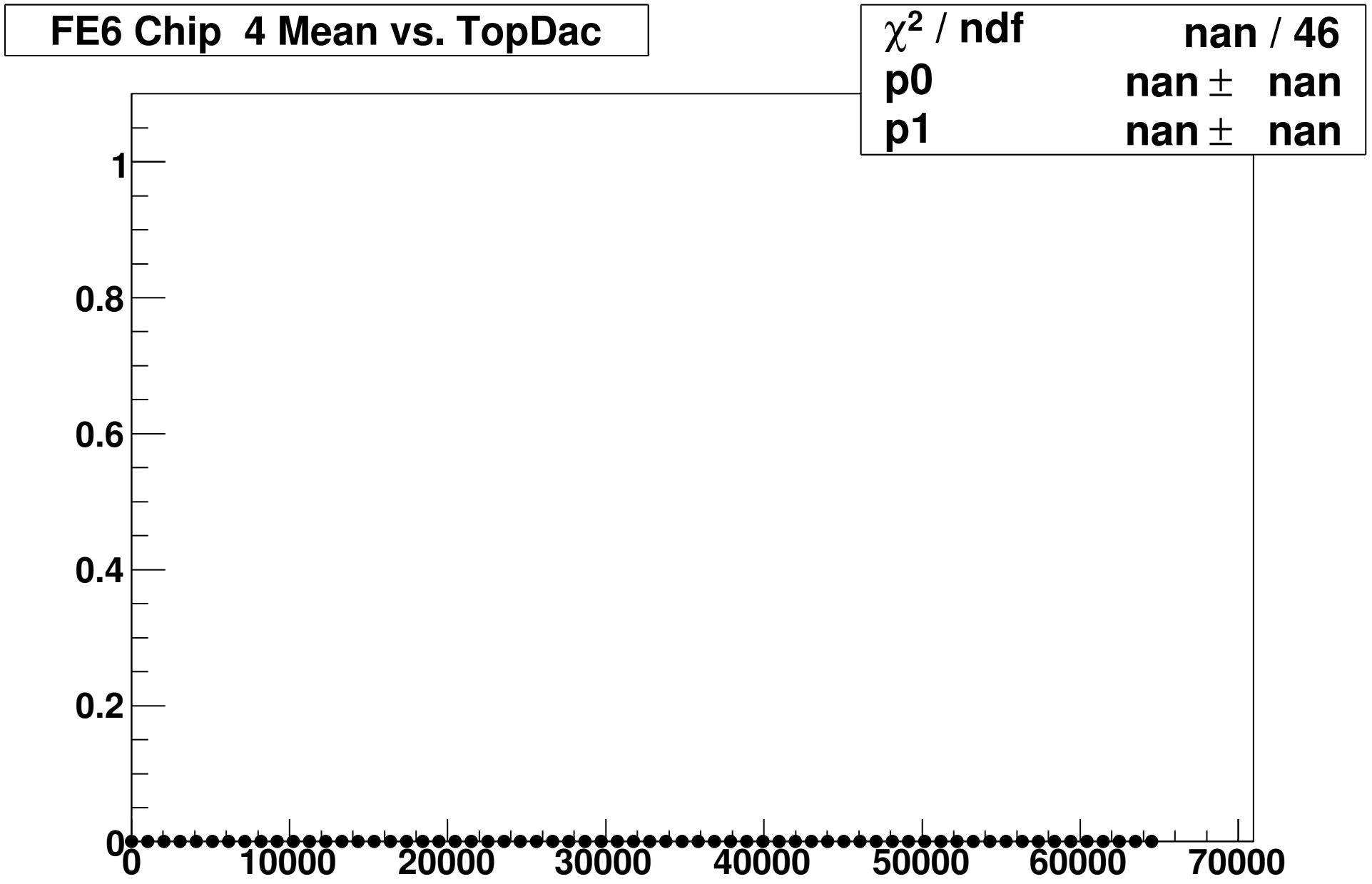

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1498 / 46
p0 1.432 ± 0.002718
p1 3.558e-05 ± 1.467e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

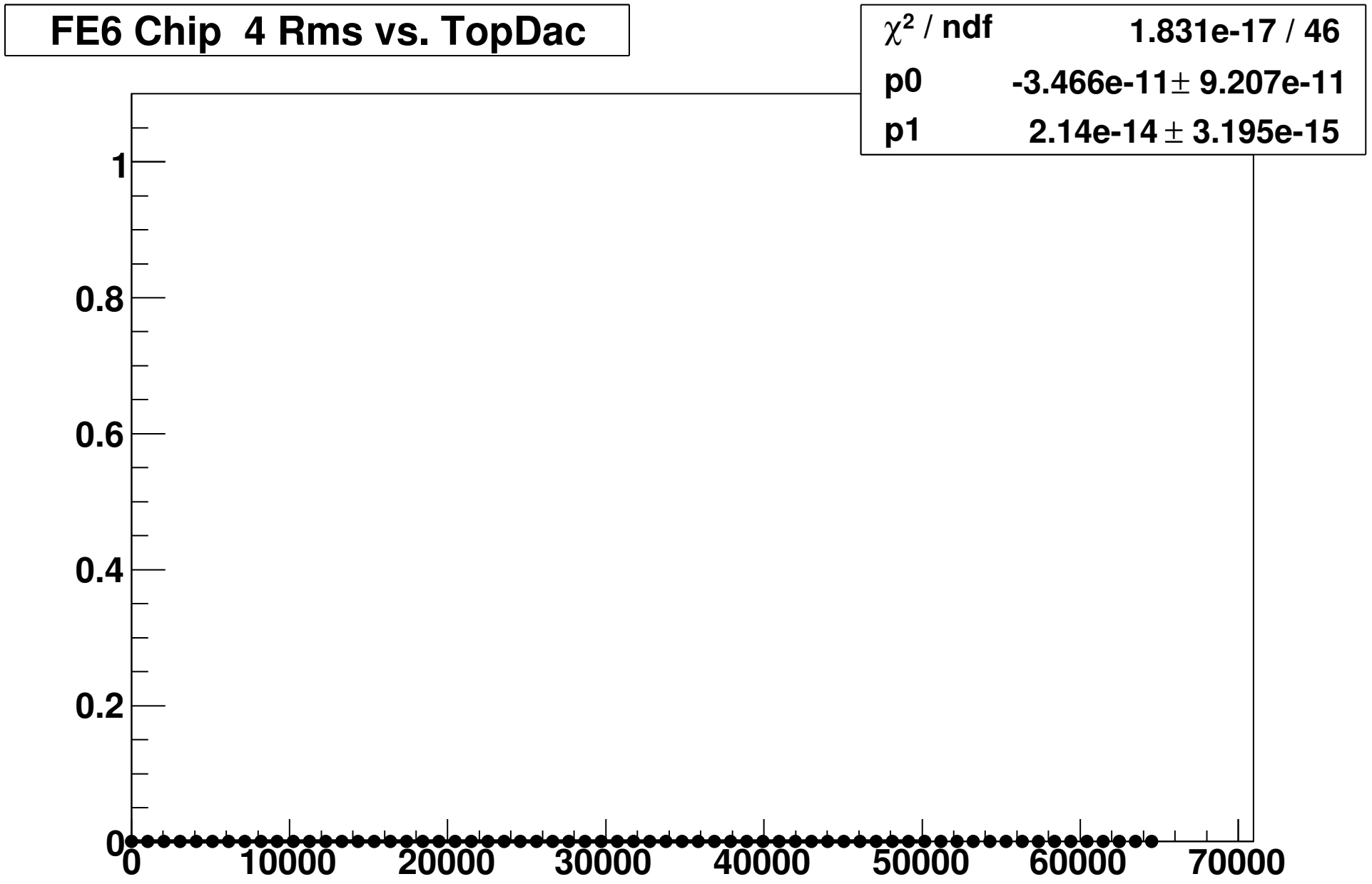

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 2857 / 46
p0 16.9 ± 0.004894
p1 1.342e-05 ± 1.697e-07
17.8
17.6
17.4
17.2
17
16.8
16.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 54.03 / 46
p0 1.58 ± 0.0017
p1 6.937e-15 ± 2.345e-06
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1.831e-17 / 46
p0 -3.466e-11 ± 9.207e-11
p1 2.14e-14 ± 3.195e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 1.831e-17 / 46
p0 -3.466e-11 ± 9.207e-11
p1 2.14e-14 ± 3.195e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
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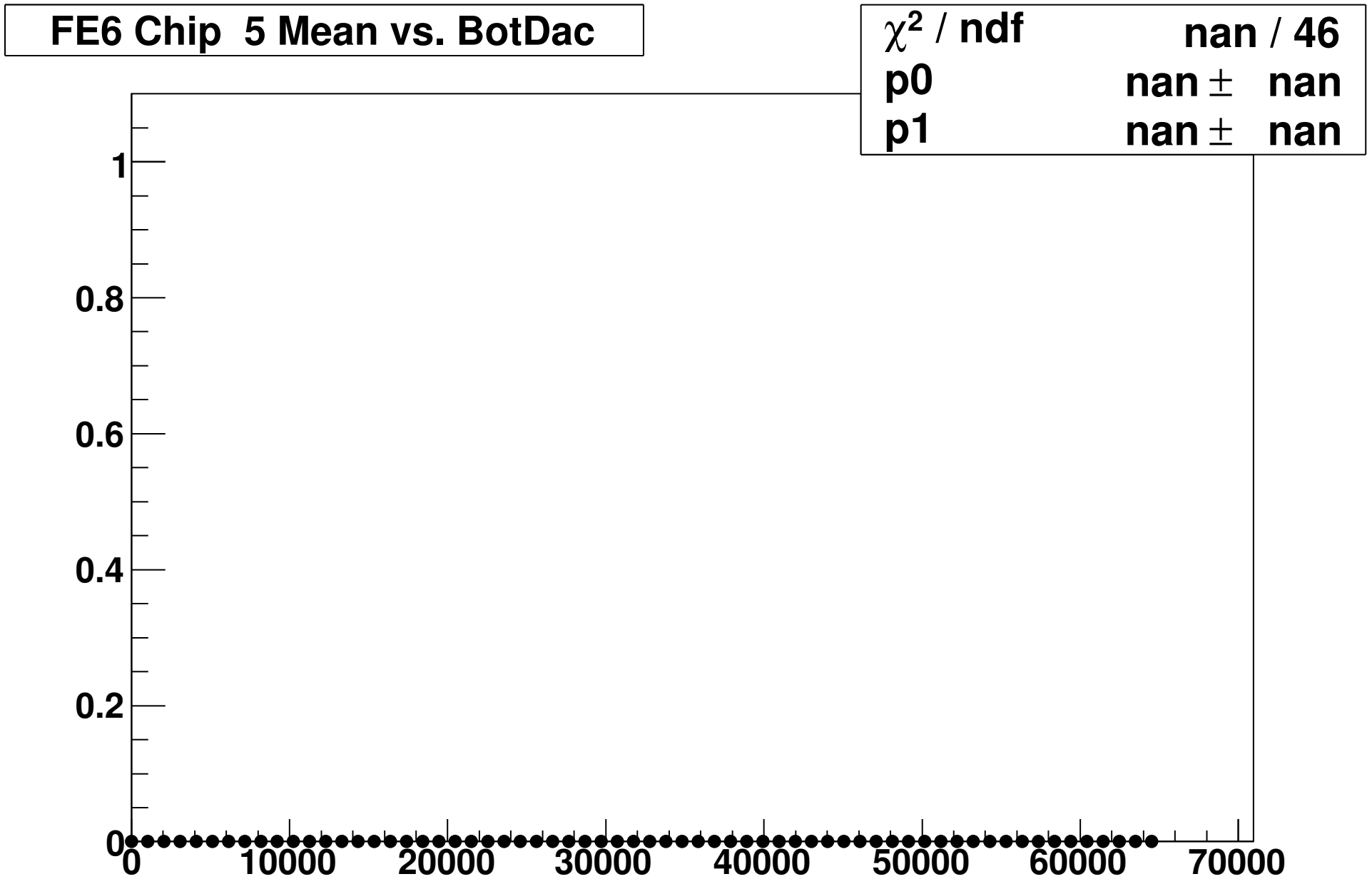
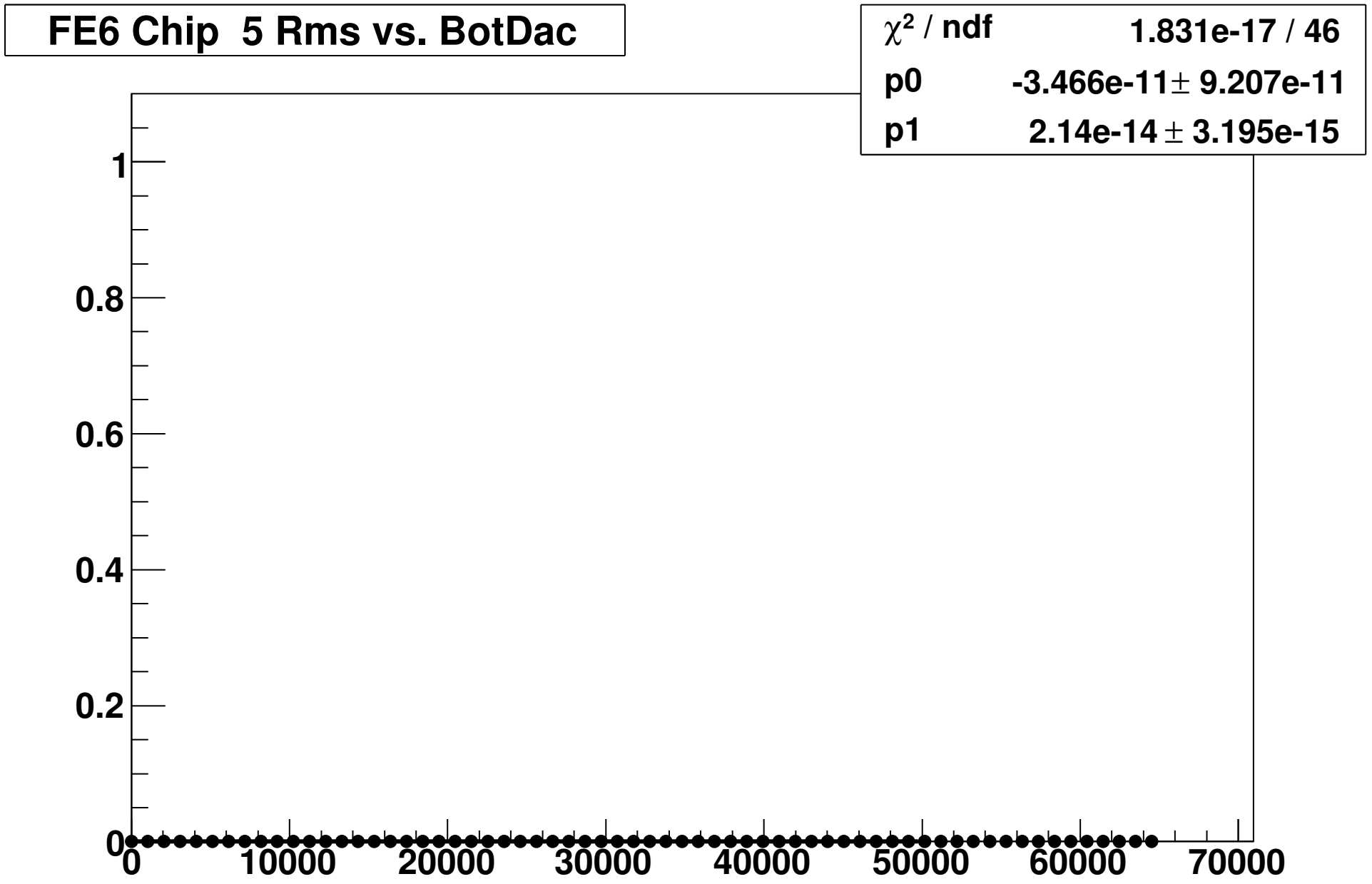
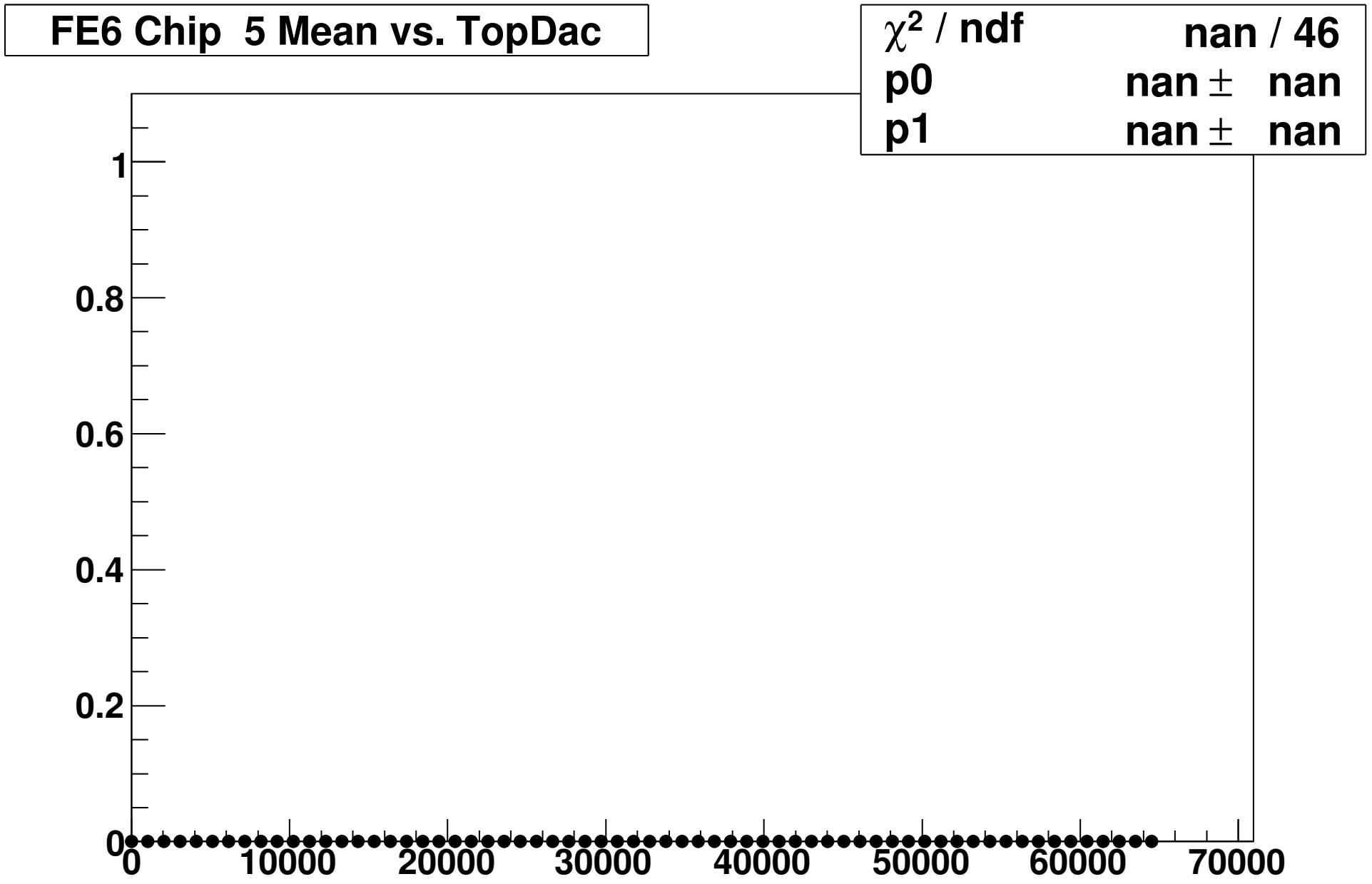
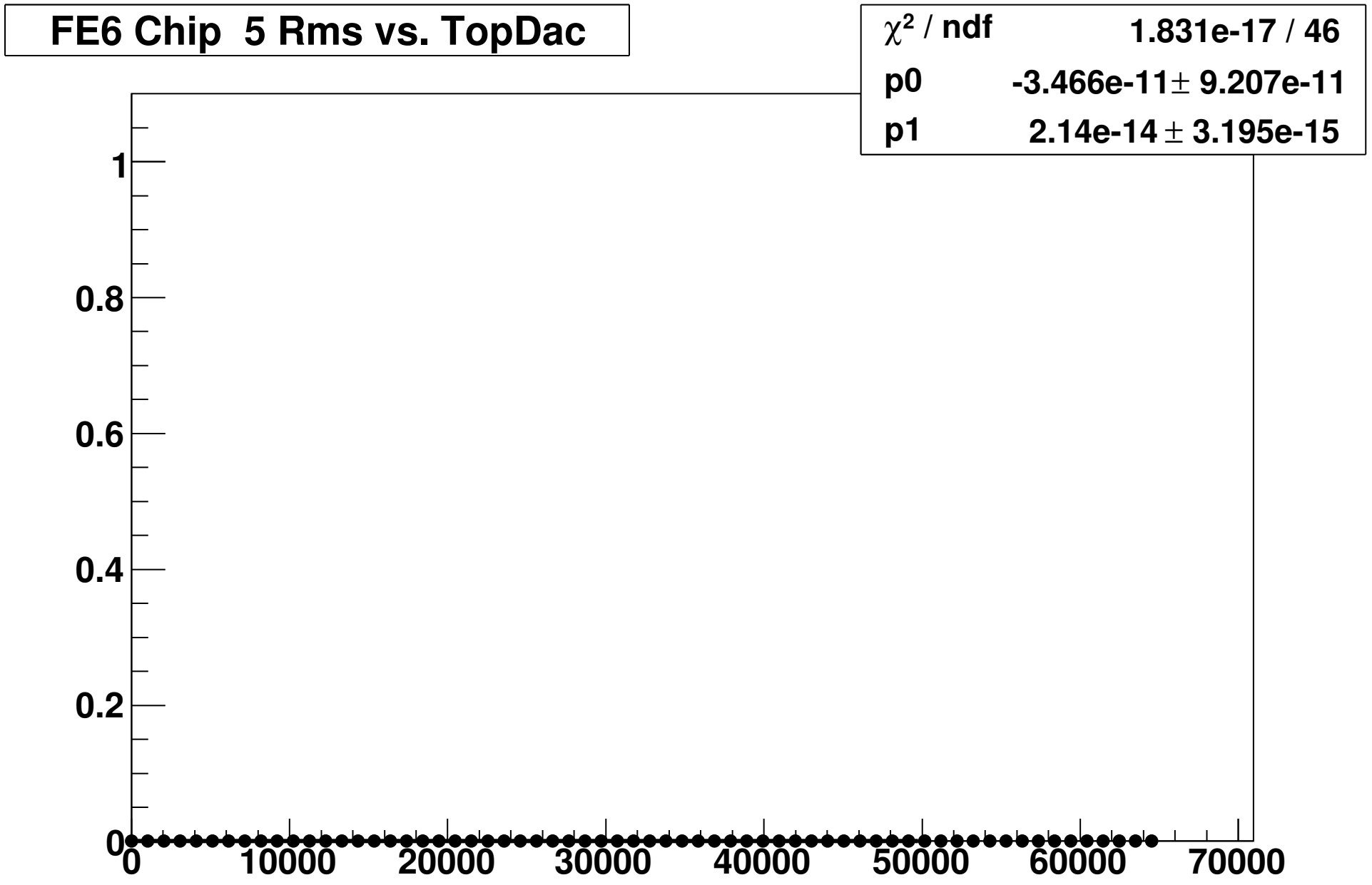
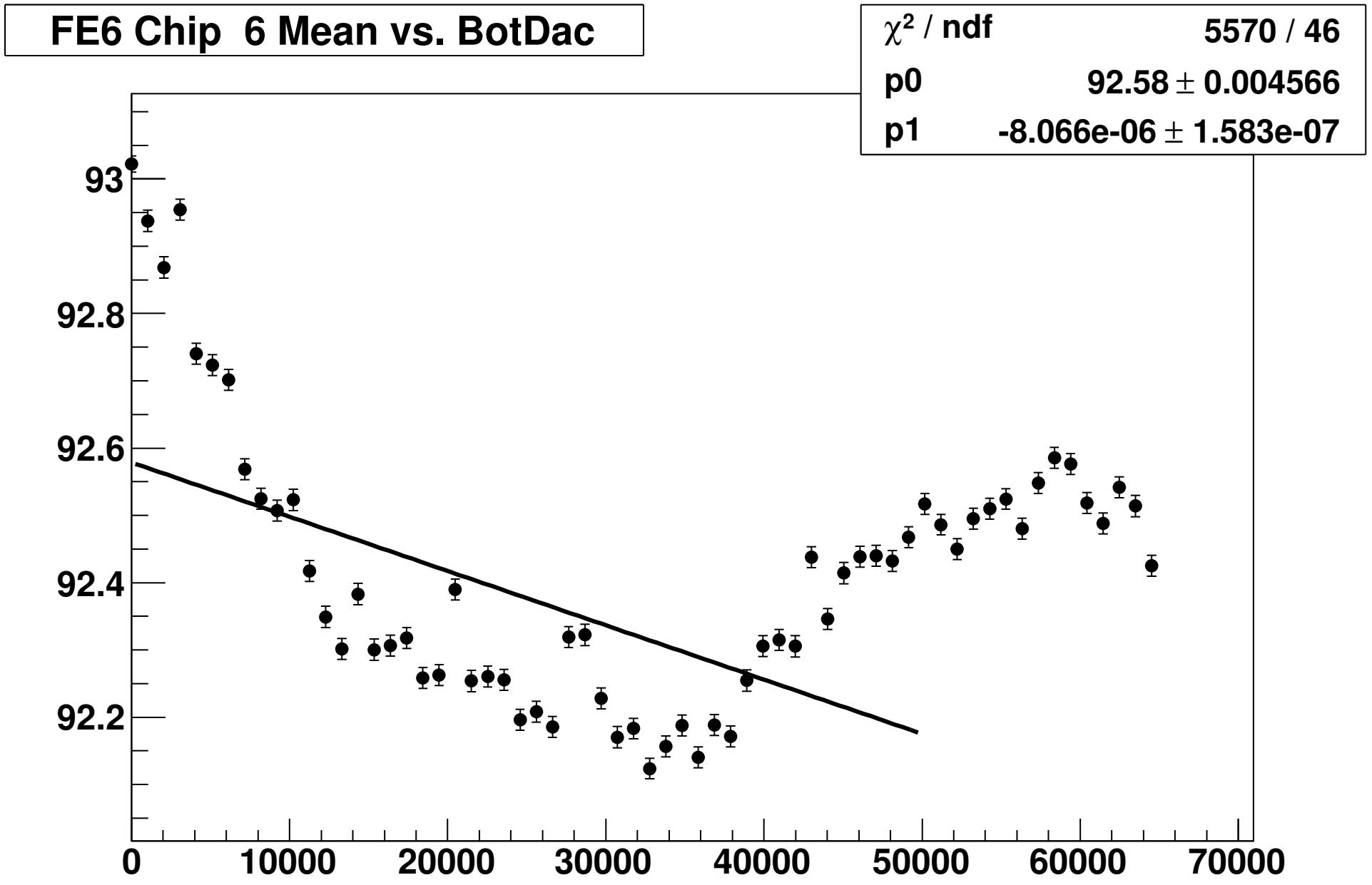
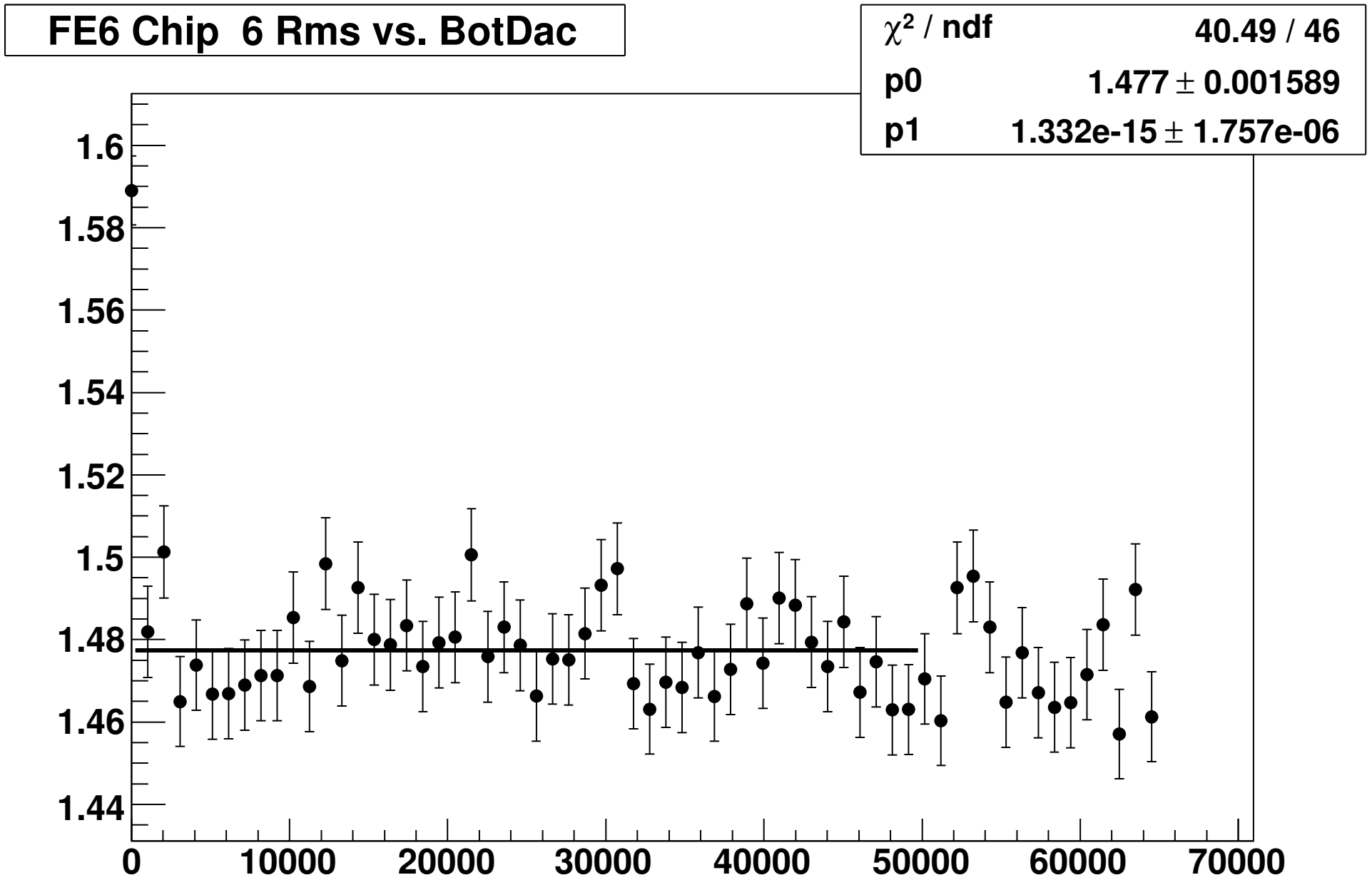

FE6 Chip 5 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000

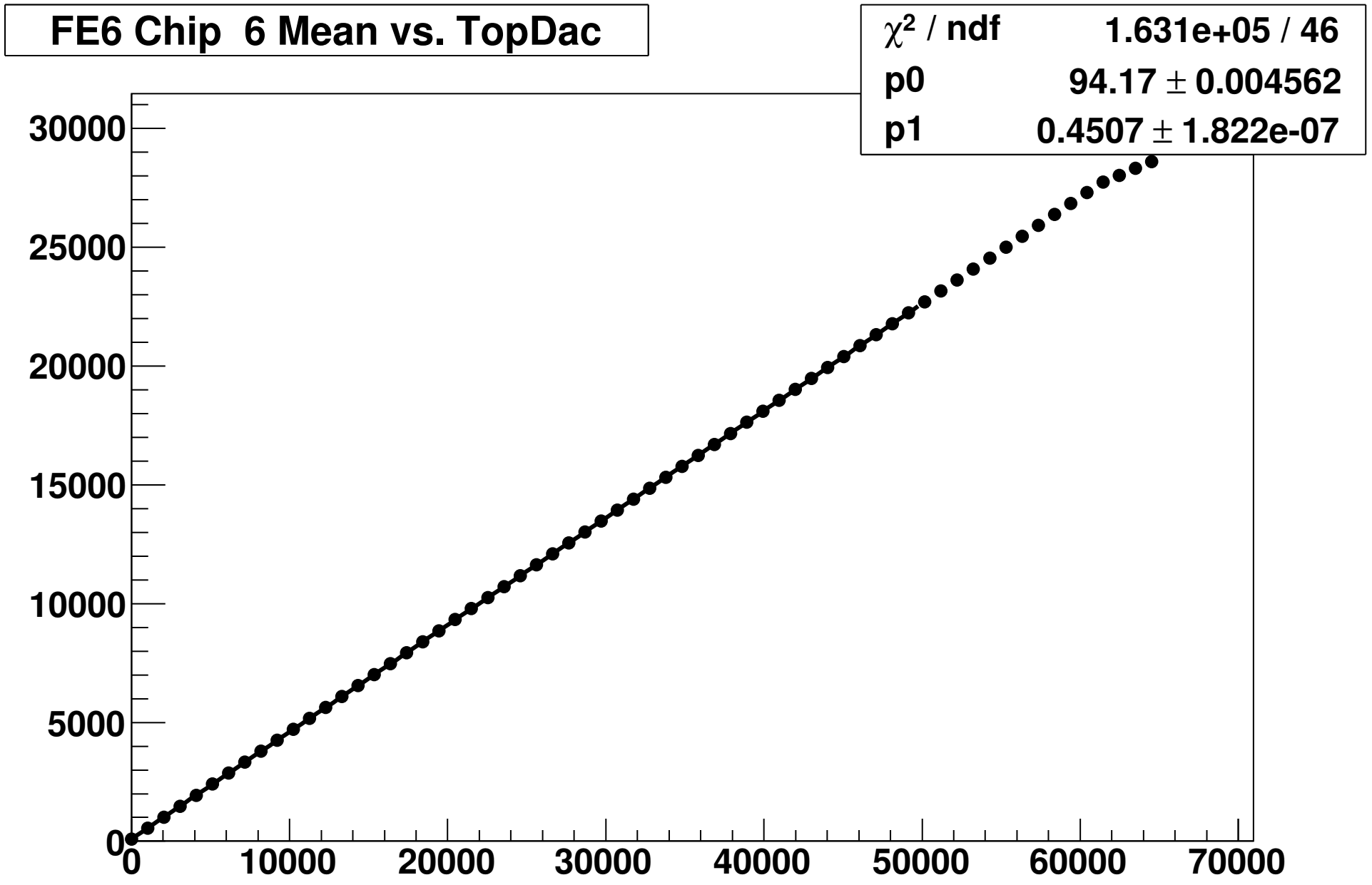

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 1.831e-17 / 46
p0 -3.466e-11 ± 9.207e-11
p1 2.14e-14 ± 3.195e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000

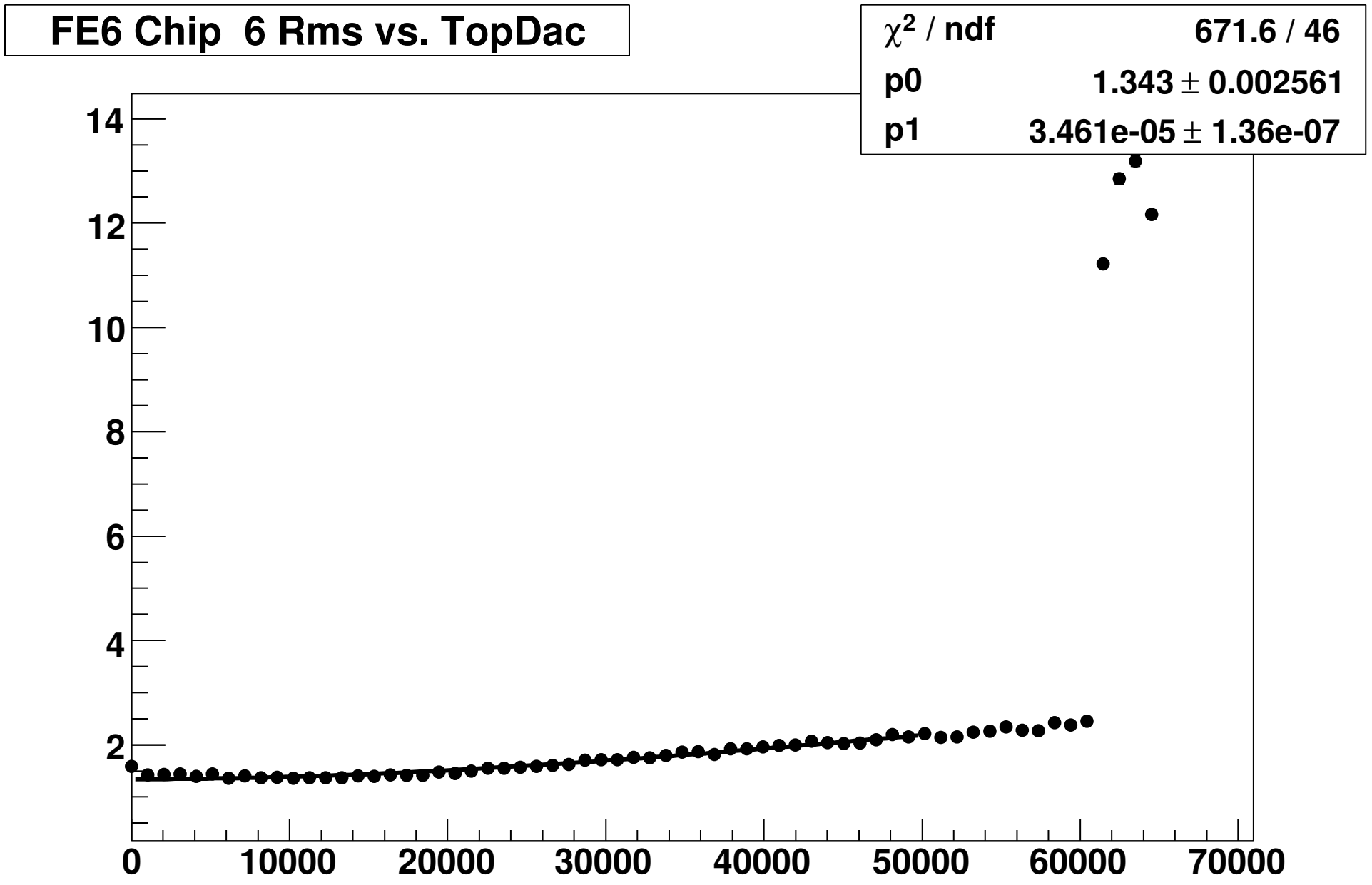

FE6 Chip 5 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000

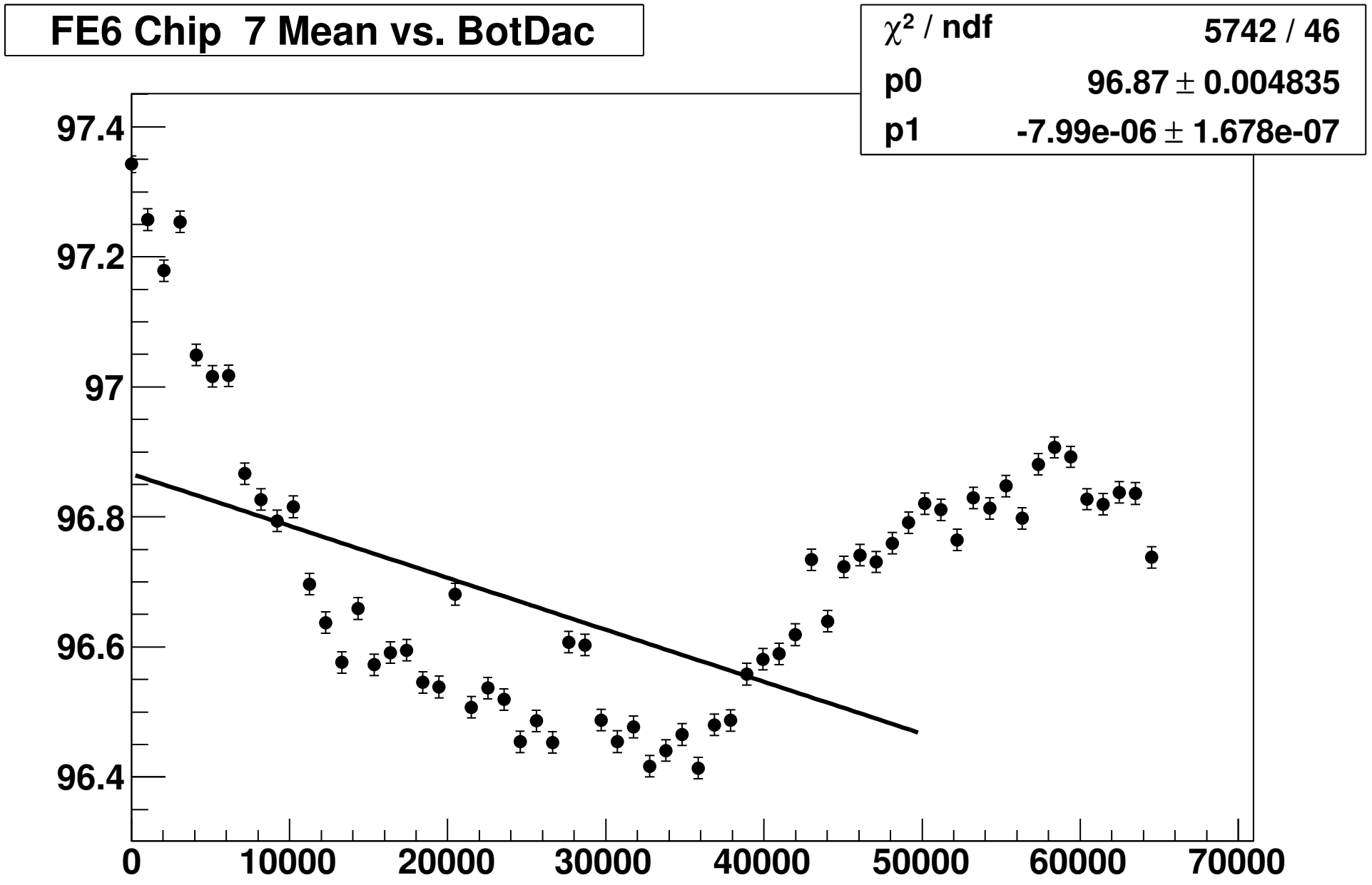

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 1.831e-17 / 46
p0 -3.466e-11 ± 9.207e-11
p1 2.14e-14 ± 3.195e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000

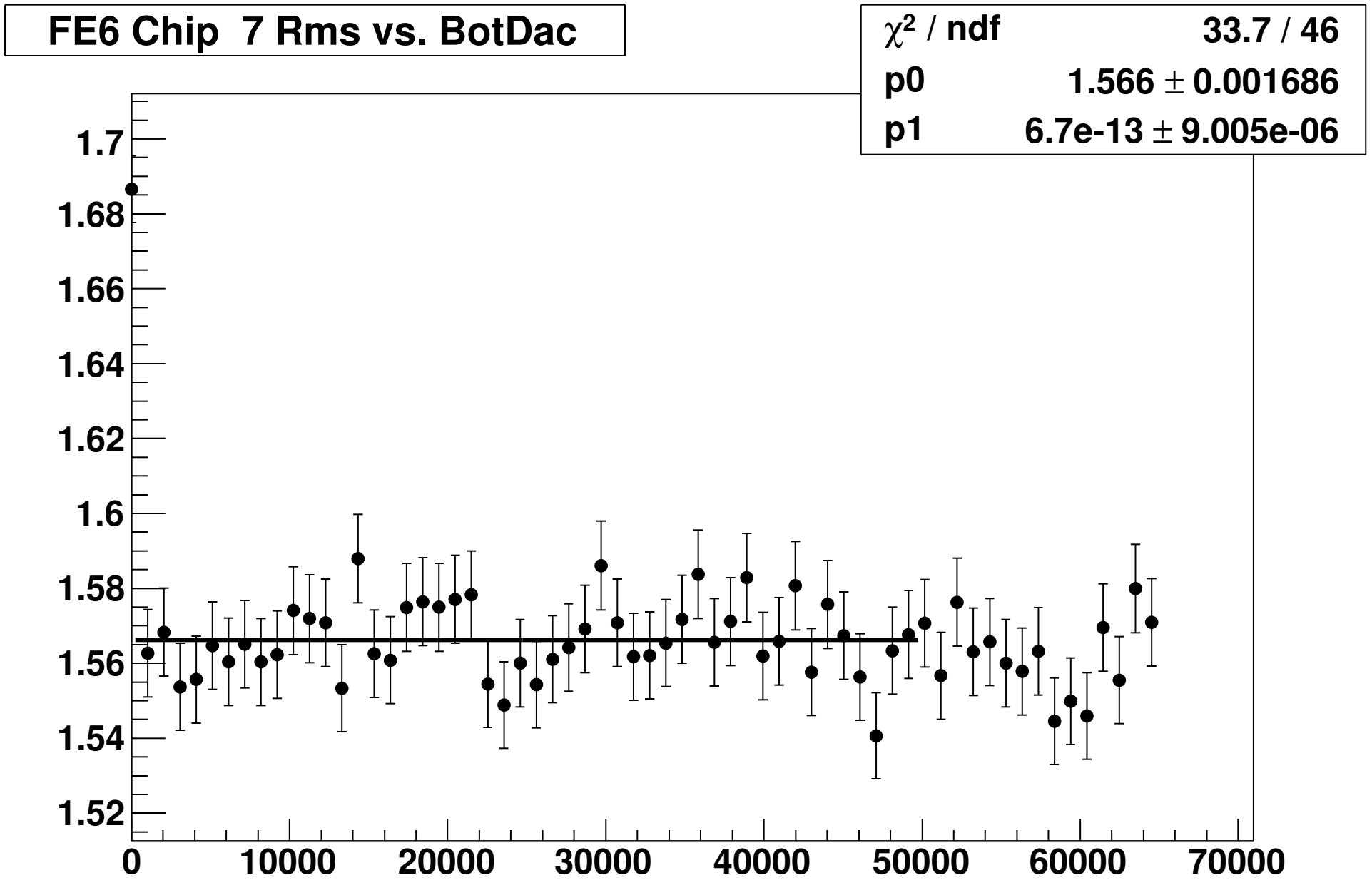

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 5570 / 46
p0 92.58 ± 0.004566
p1 -8.066e-06 ± 1.583e-07
93
92.8
92.6
92.4
92.2
0
10000
20000
30000
40000
50000
60000
70000

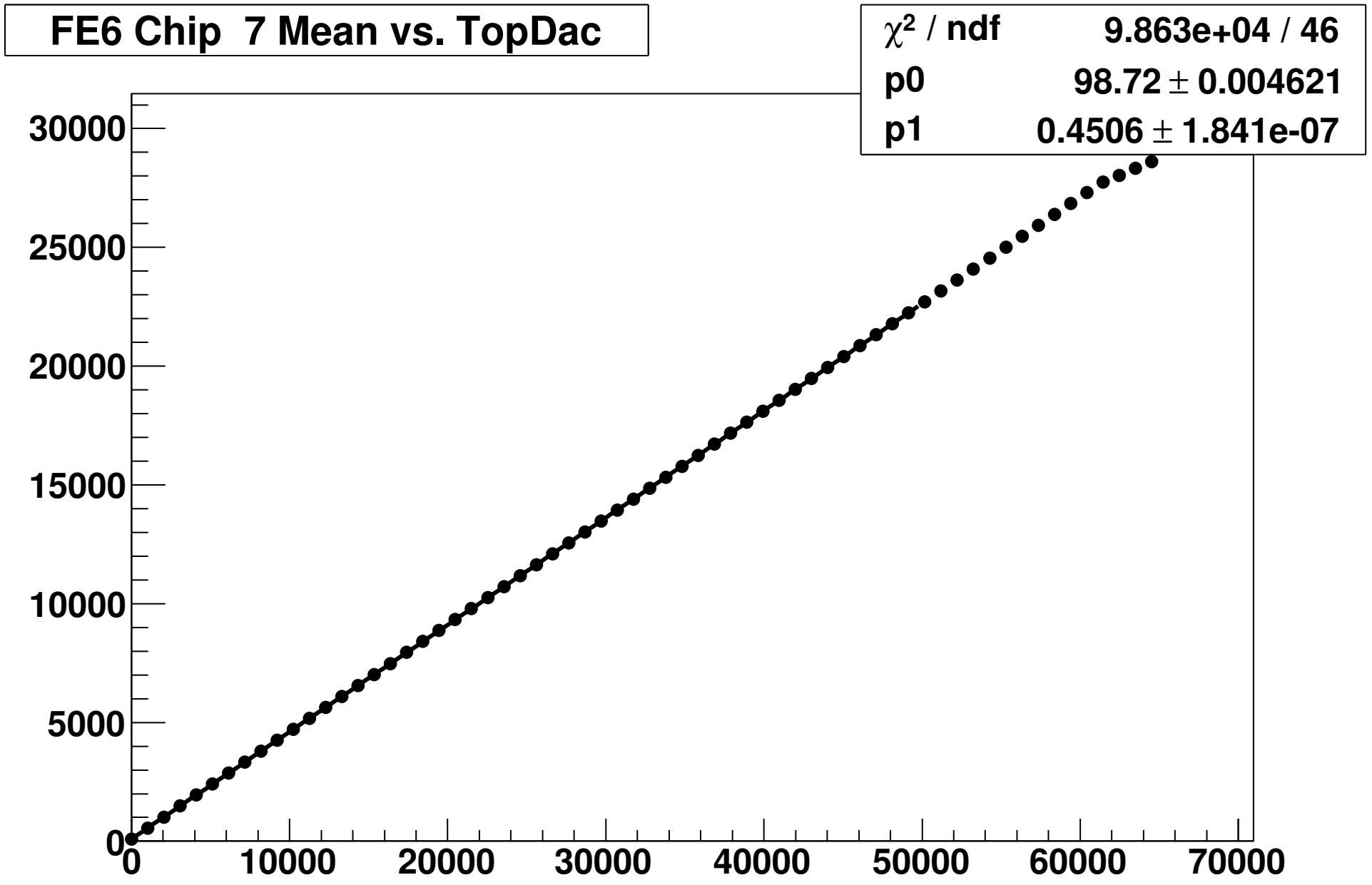

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 40.49 / 46
p0 1.477 ± 0.001589
p1 1.332e-15 ± 1.757e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

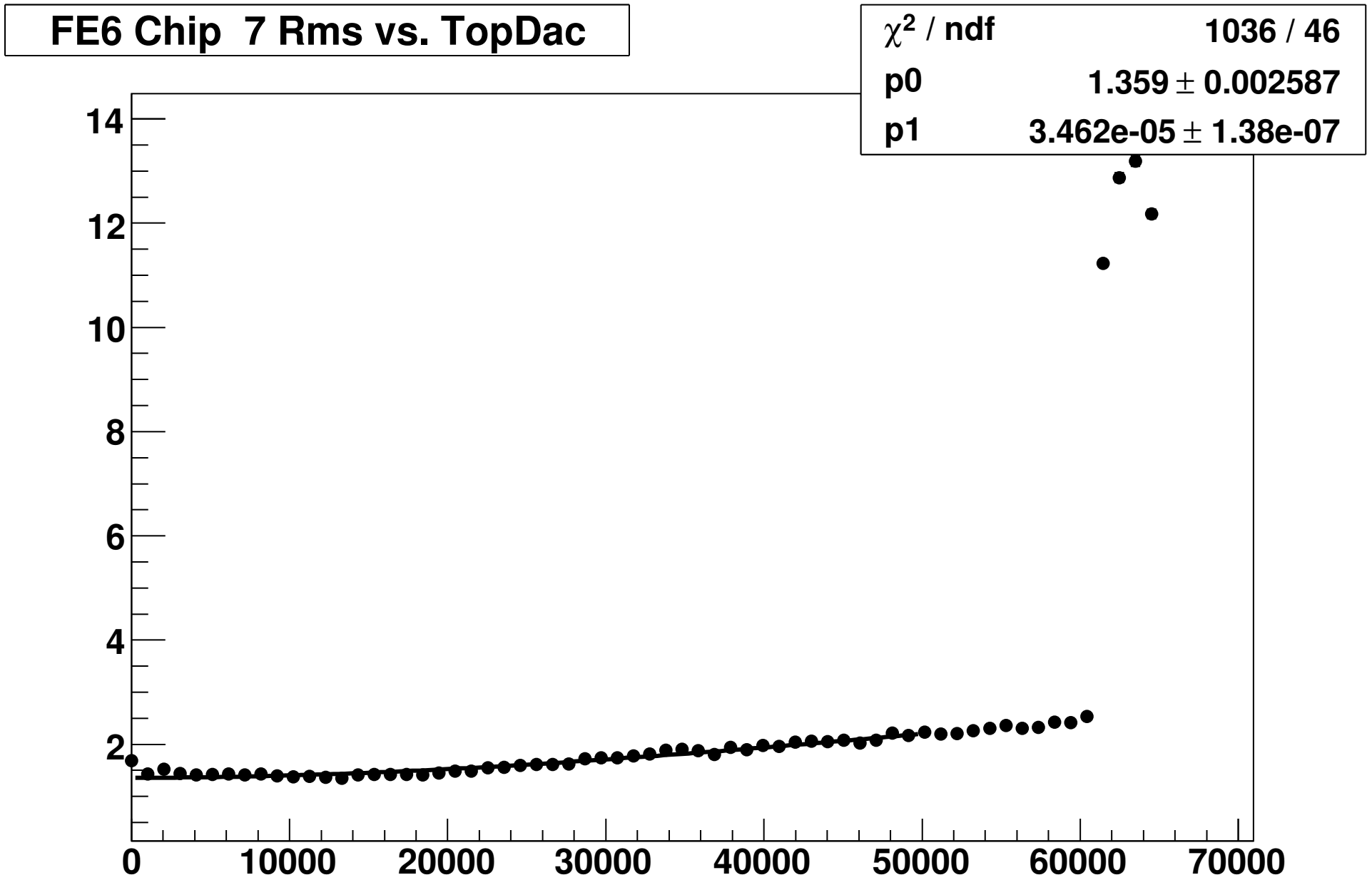

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.631e+05 / 46
p0 94.17 ± 0.004562
p1 0.4507 ± 1.822e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

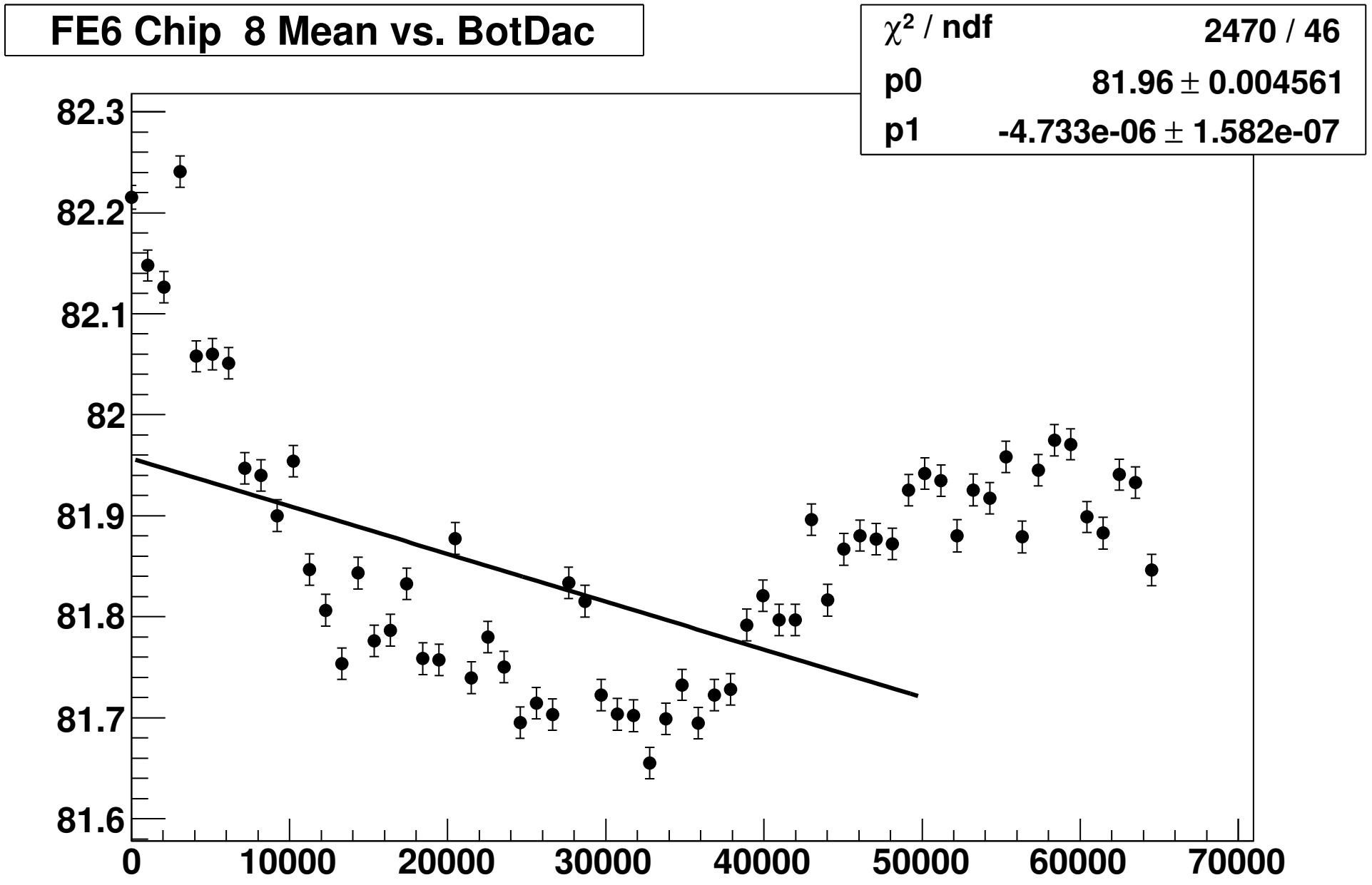

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 671.6 / 46
p0 1.343 ± 0.002561
p1 3.461e-05 ± 1.36e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

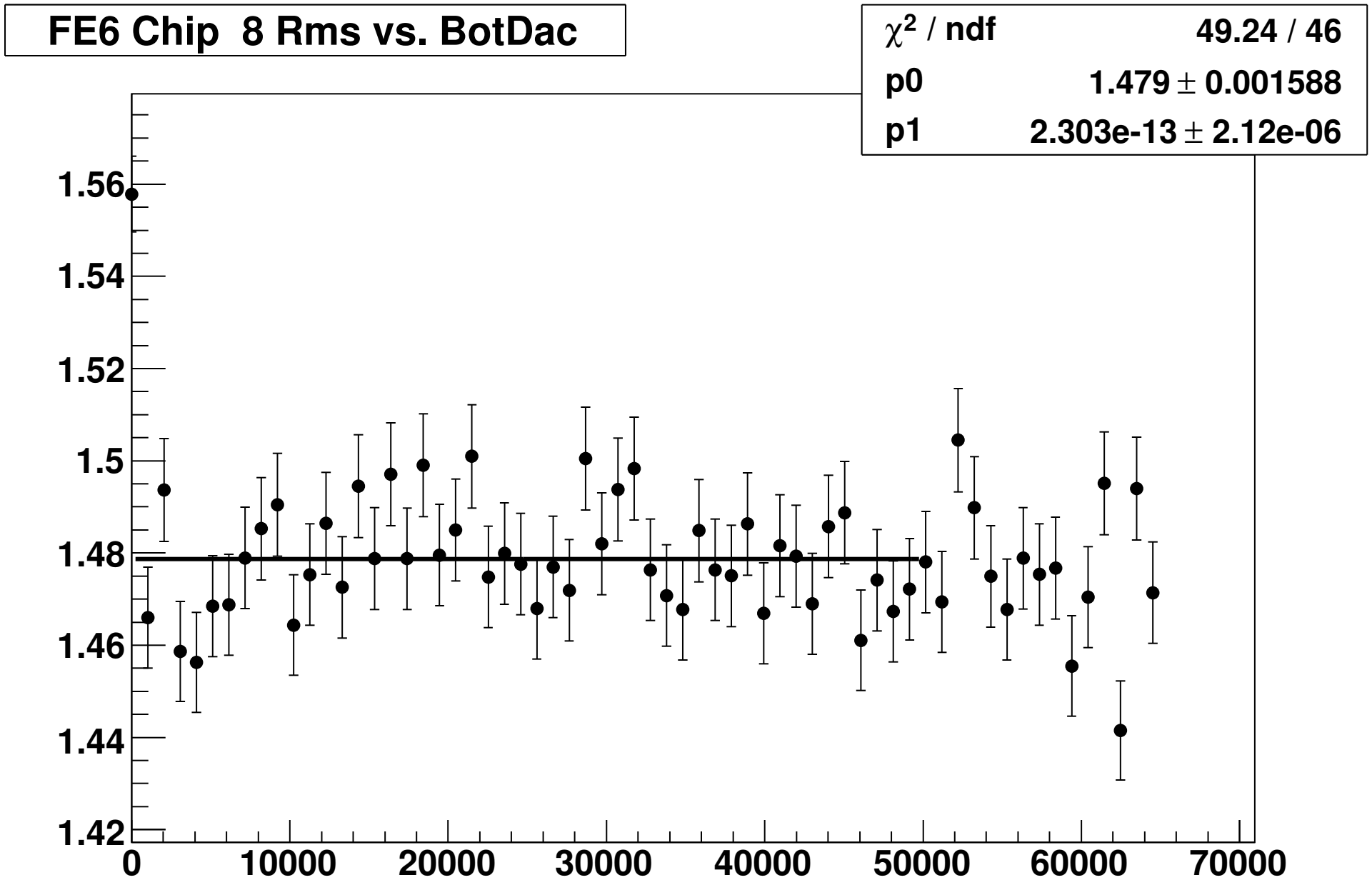

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 5742 / 46
p0 96.87 ± 0.004835
p1 -7.99e-06 ± 1.678e-07
97.4
97.2
97
96.8
96.6
96.4
0
10000
20000
30000
40000
50000
60000
70000

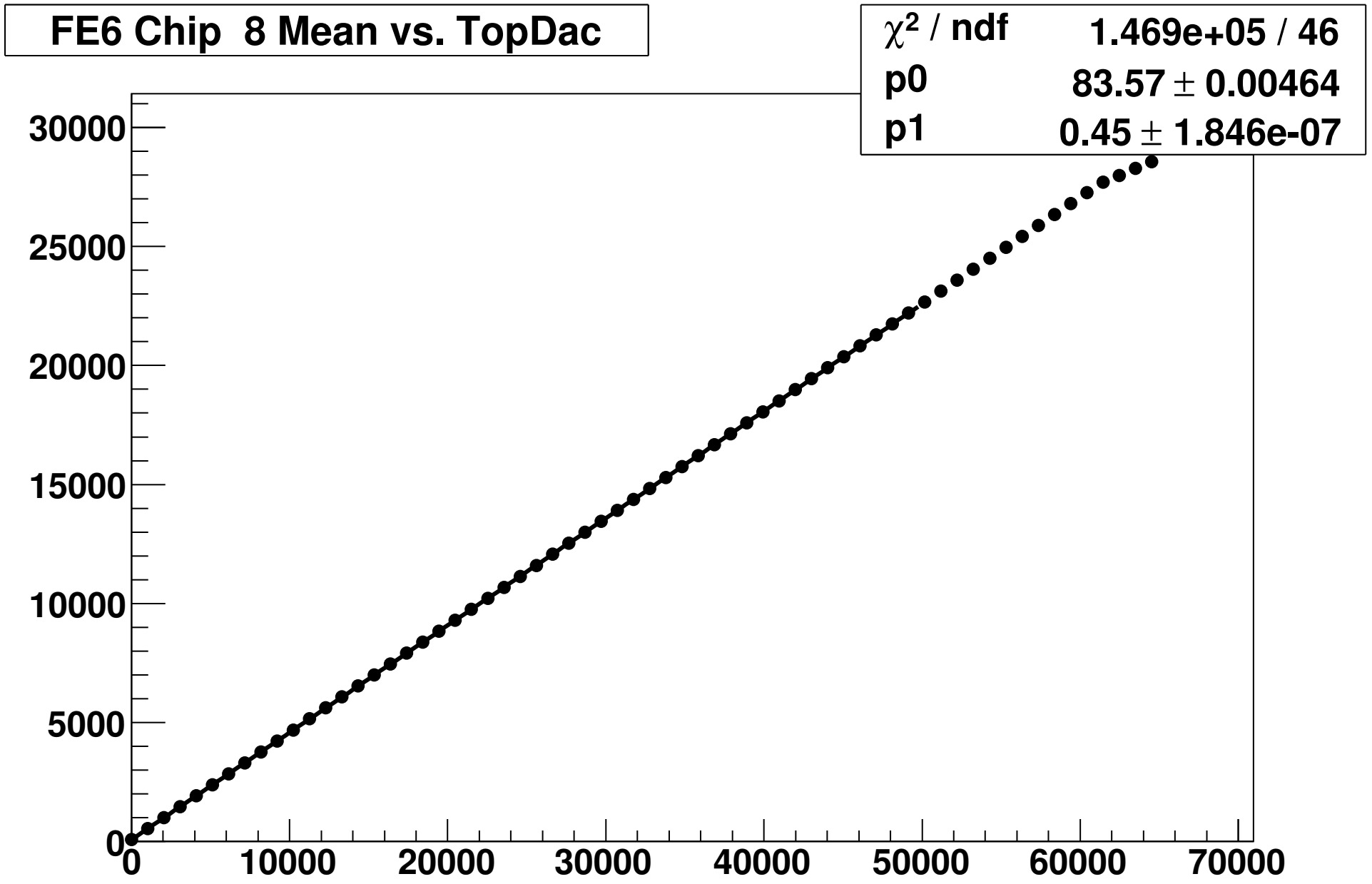

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 33.7 / 46
p0 1.566 ± 0.001686
p1 6.7e-13 ± 9.005e-06
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

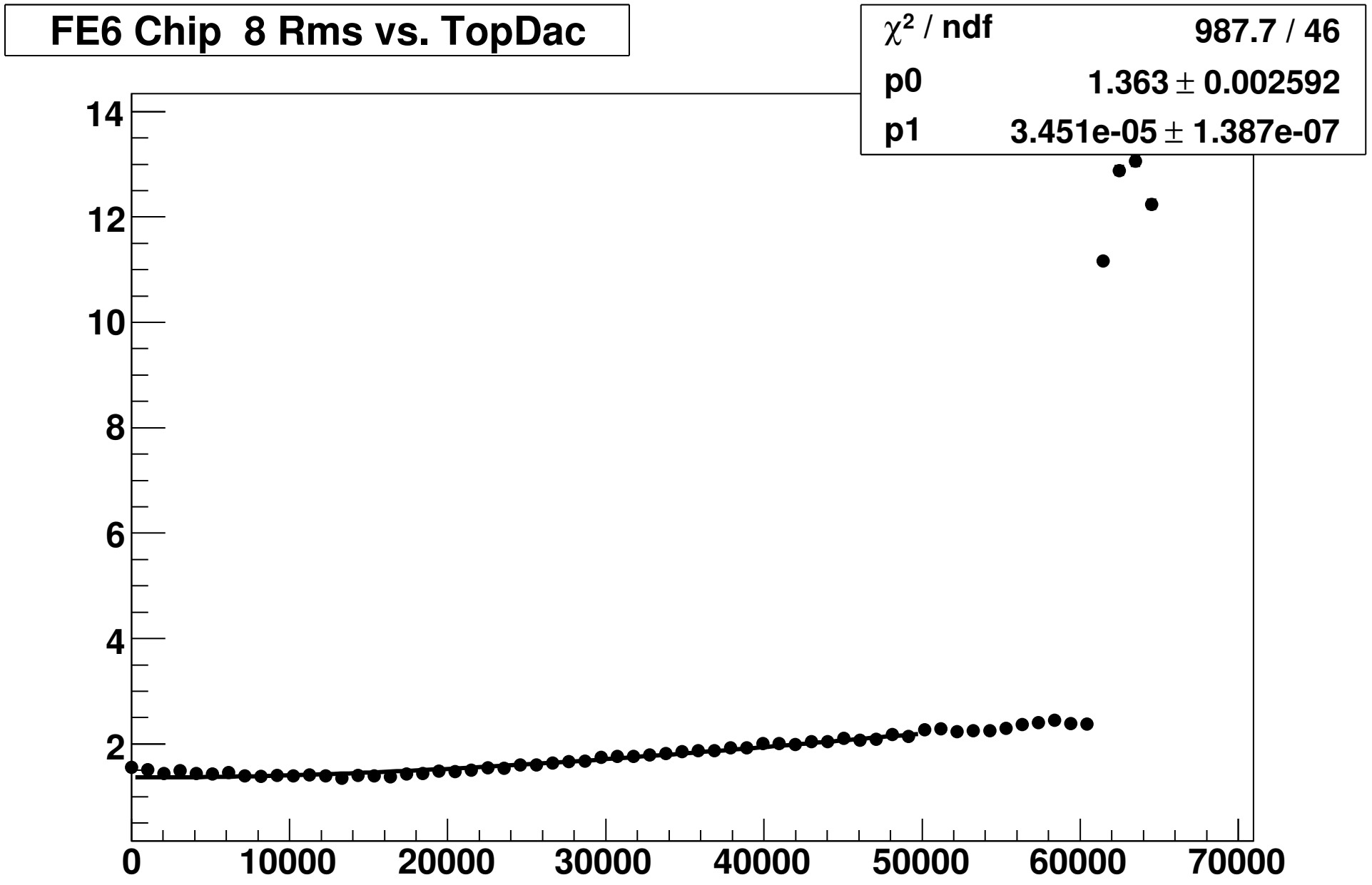

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 9.863e+04 / 46
p0 98.72 ± 0.004621
p1 0.4506 ± 1.841e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

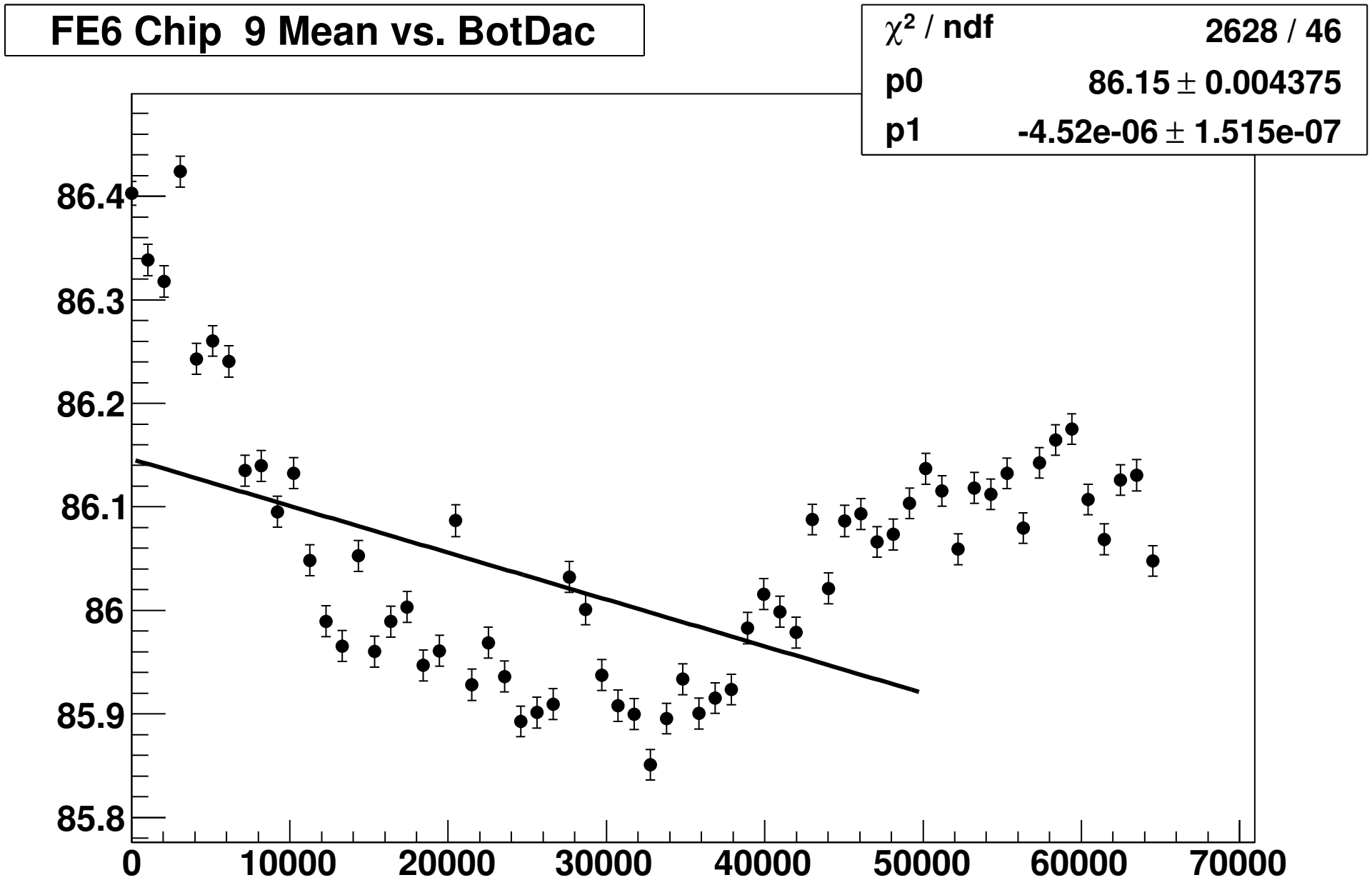

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1036 / 46
p0 1.359 ± 0.002587
p1 3.462e-05 ± 1.38e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

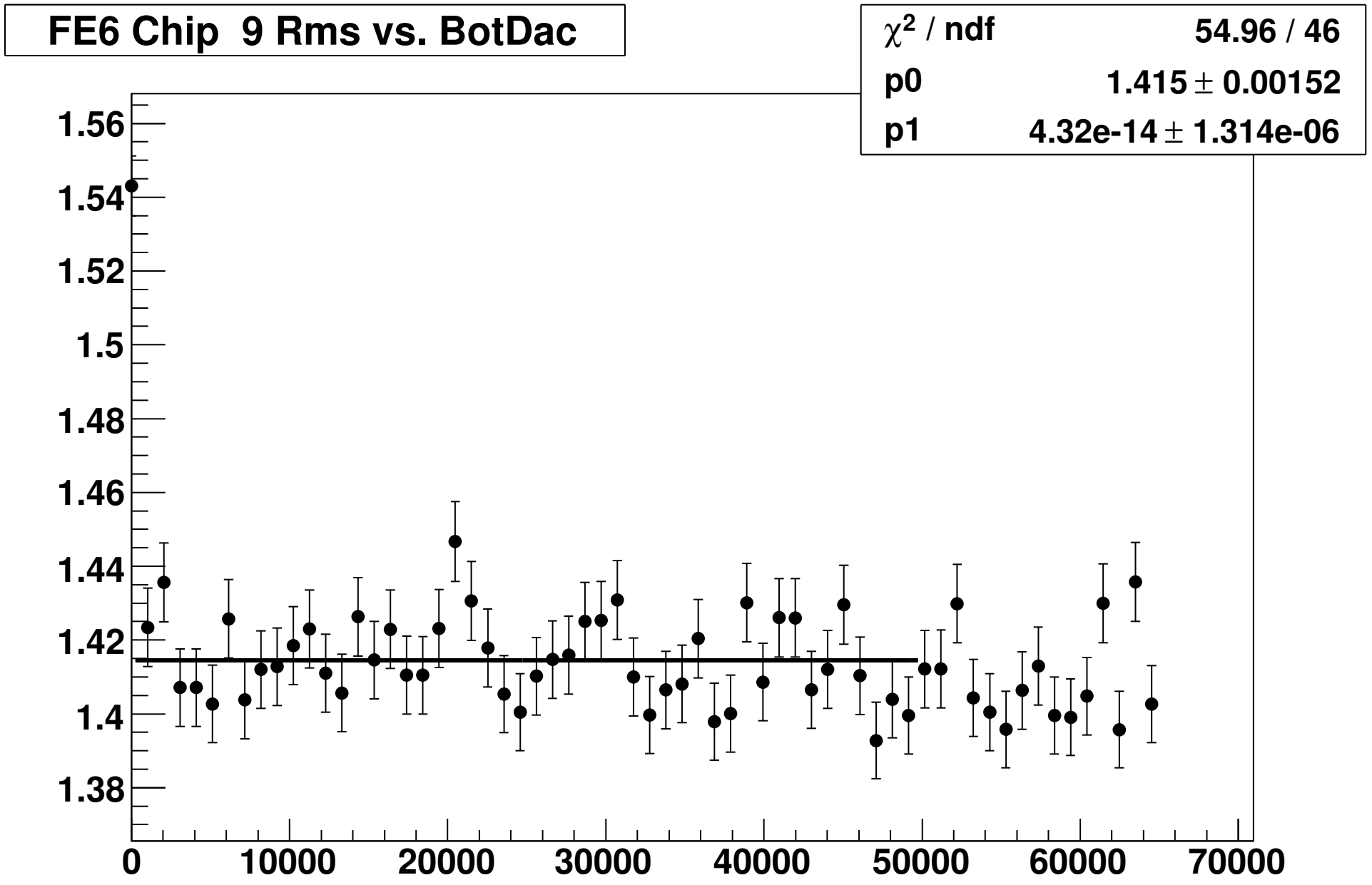

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 2470 / 46
p0 81.96 ± 0.004561
p1 -4.733e-06 ± 1.582e-07
82.3
82.2
82.1
82
81.9
81.8
81.7
81.6
0
10000
20000
30000
40000
50000
60000
70000

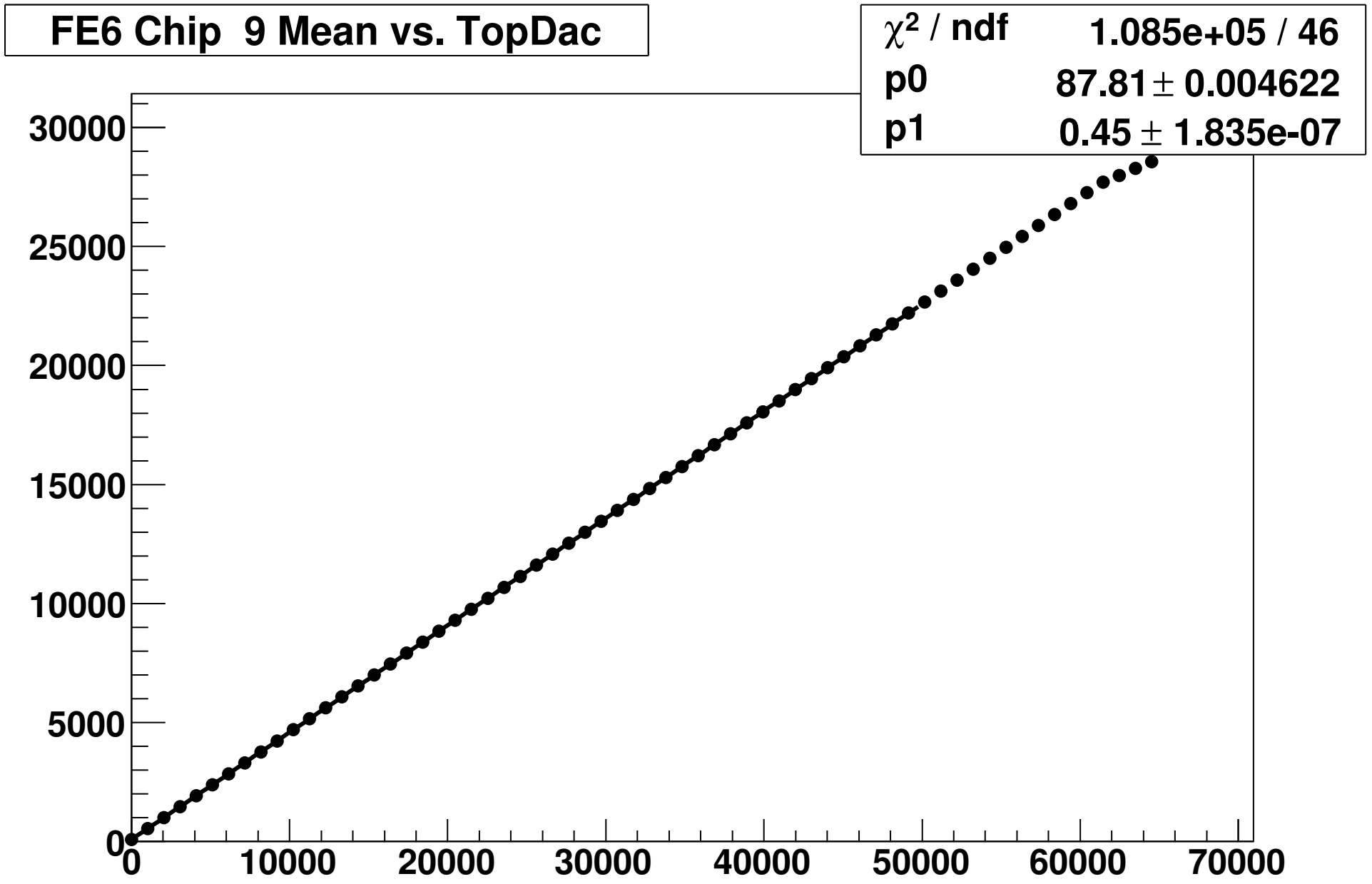

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 49.24 / 46
p0 1.479 ± 0.001588
p1 2.303e-13 ± 2.12e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

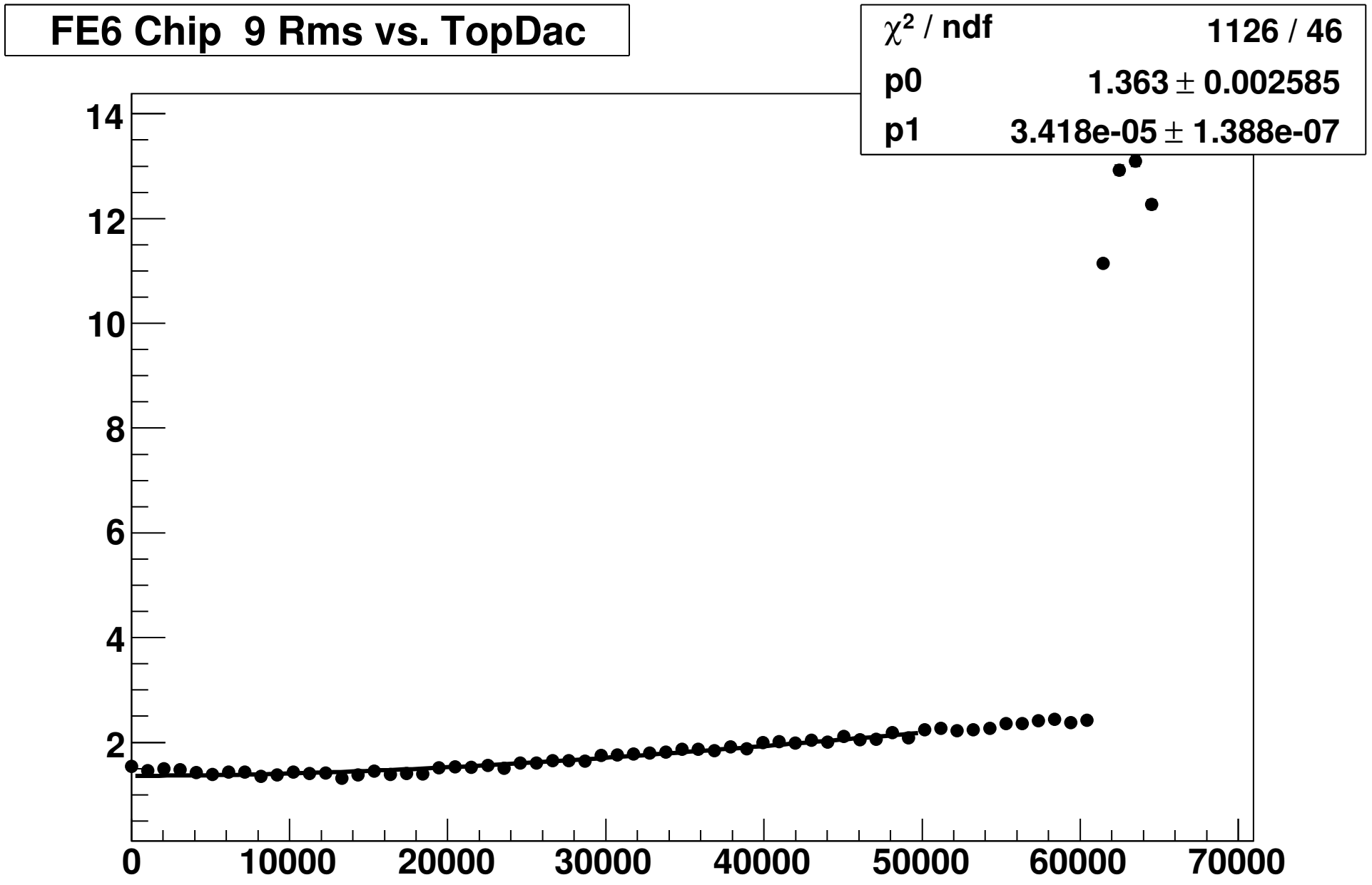

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.469e+05 / 46
p0 83.57 ± 0.00464
p1 0.45 ± 1.846e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

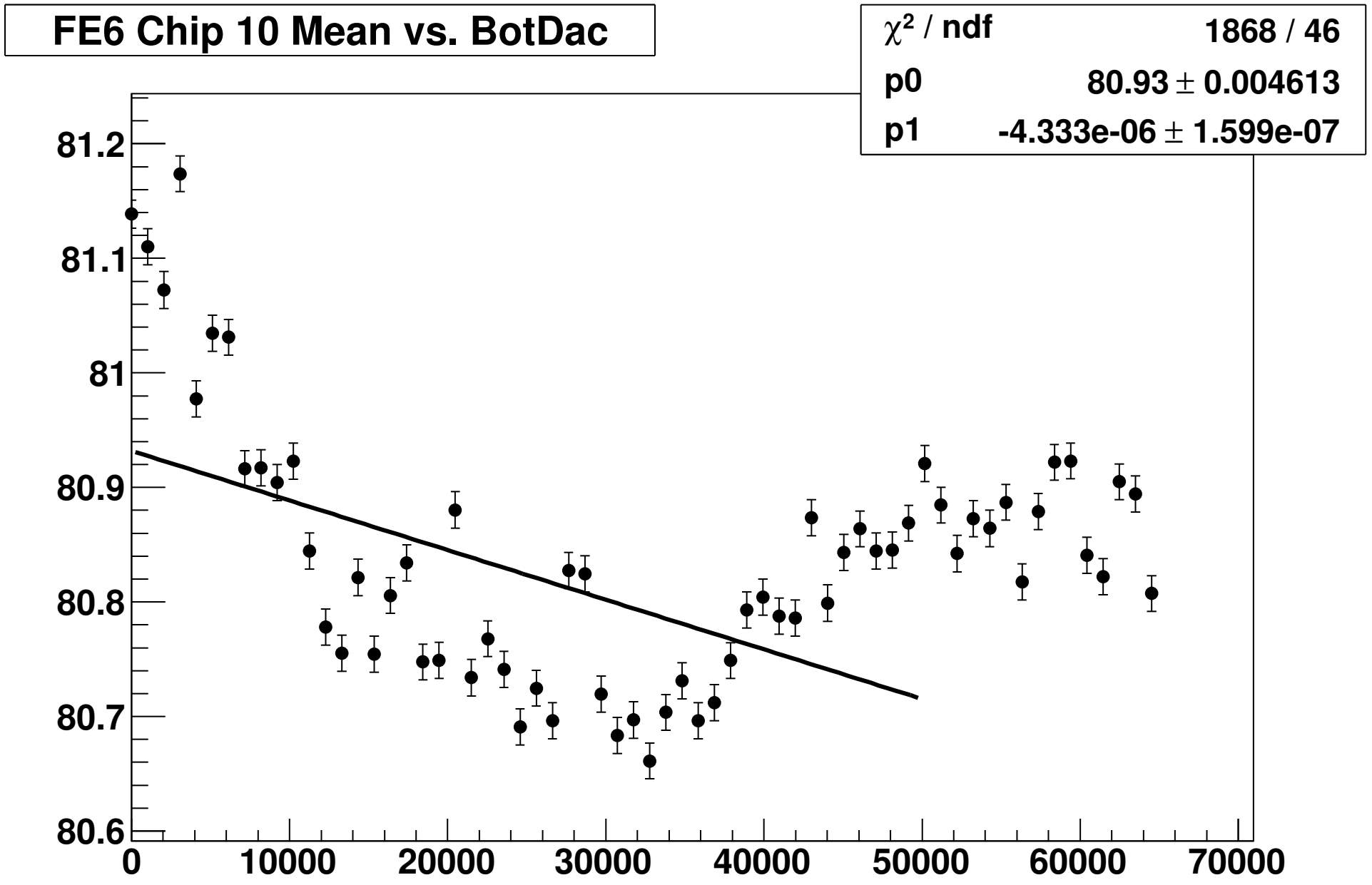

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 987.7 / 46
p0 1.363 ± 0.002592
p1 3.451e-05 ± 1.387e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

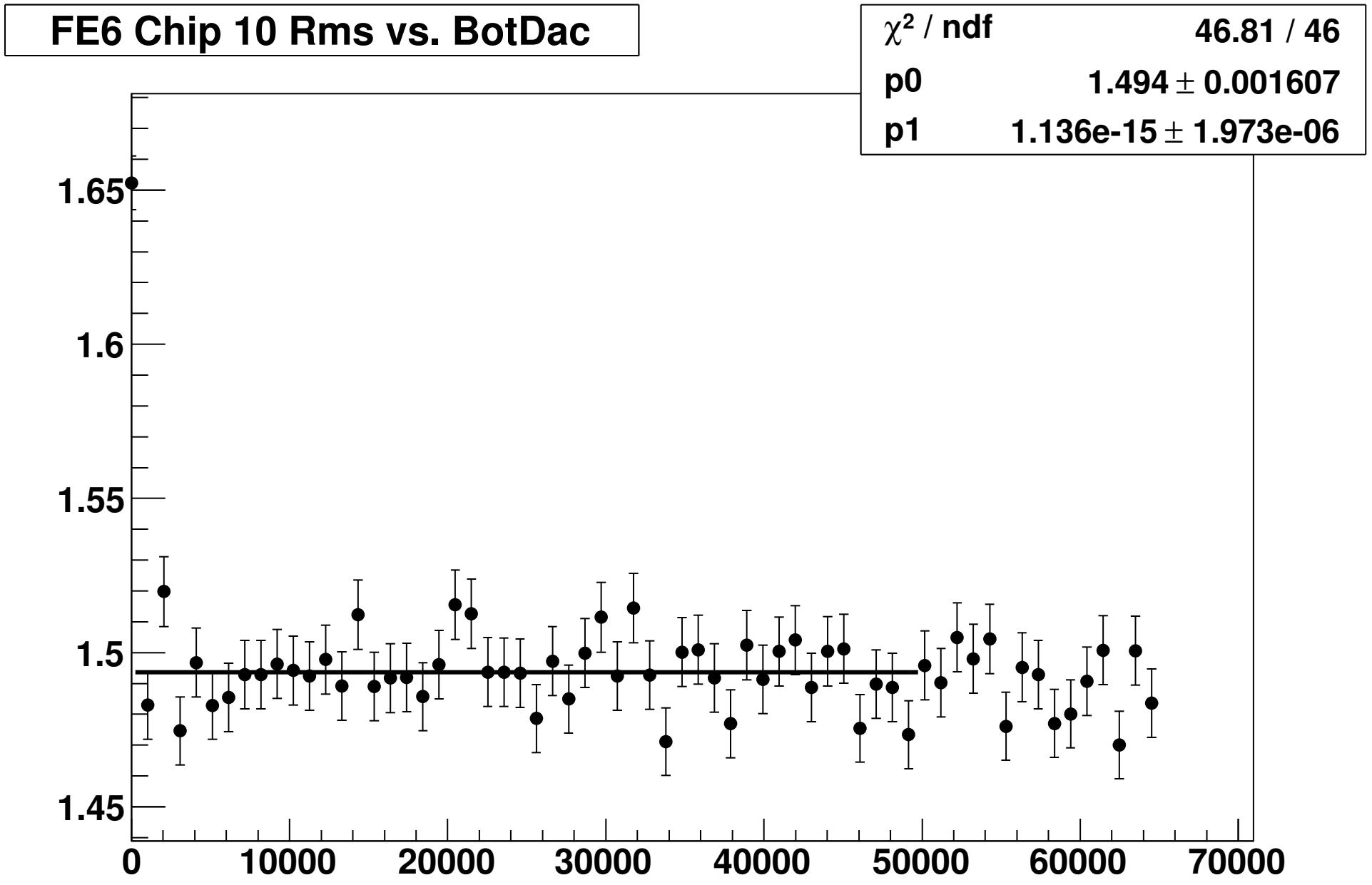

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 2628 / 46
p0 86.15 ± 0.004375
p1 -4.52e-06 ± 1.515e-07
86.4
86.3
86.2
86.1
86
85.9
85.8
0
10000
20000
30000
40000
50000
60000
70000

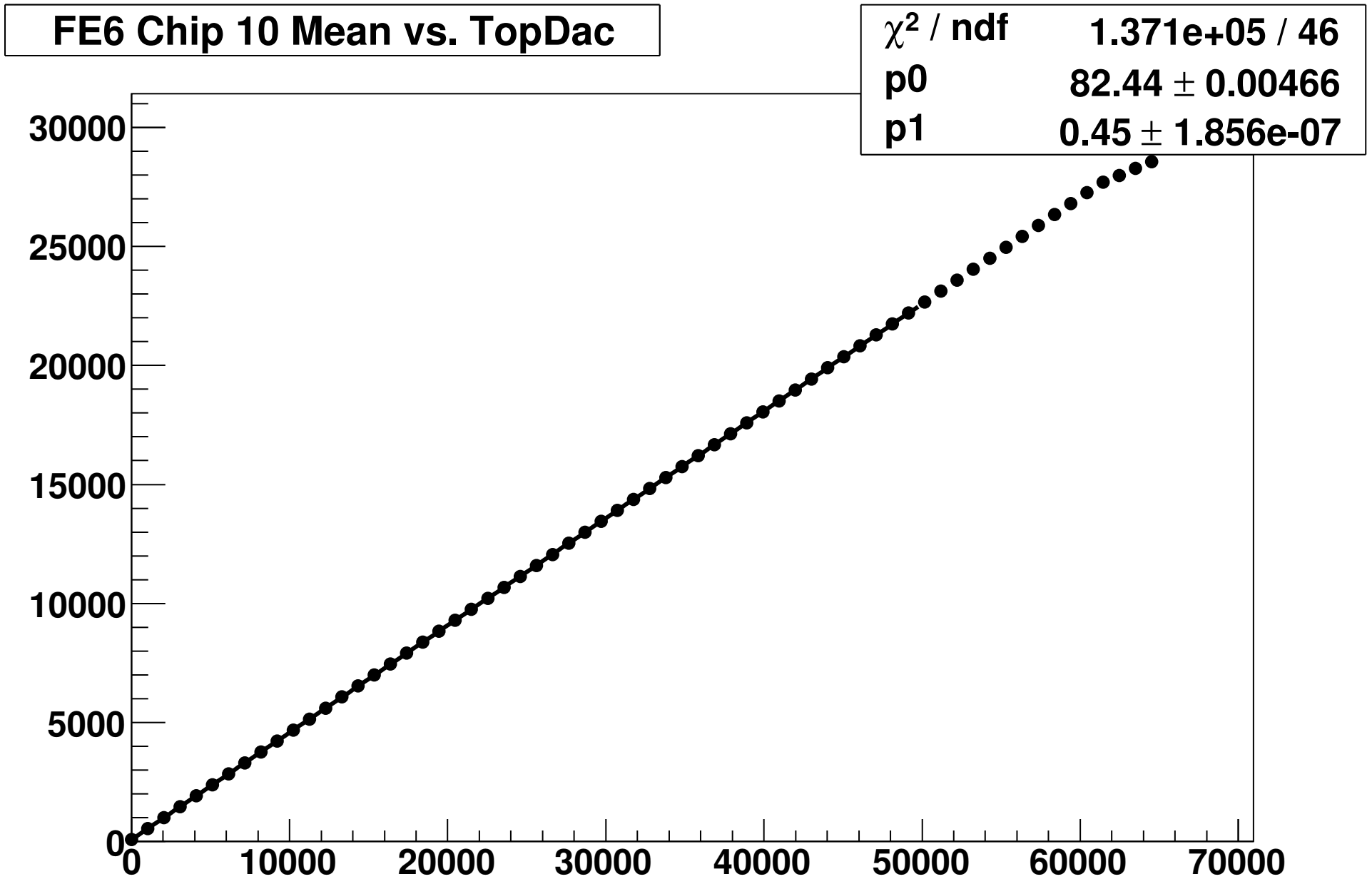

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 54.96 / 46
p0 1.415 ± 0.00152
p1 4.32e-14 ± 1.314e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

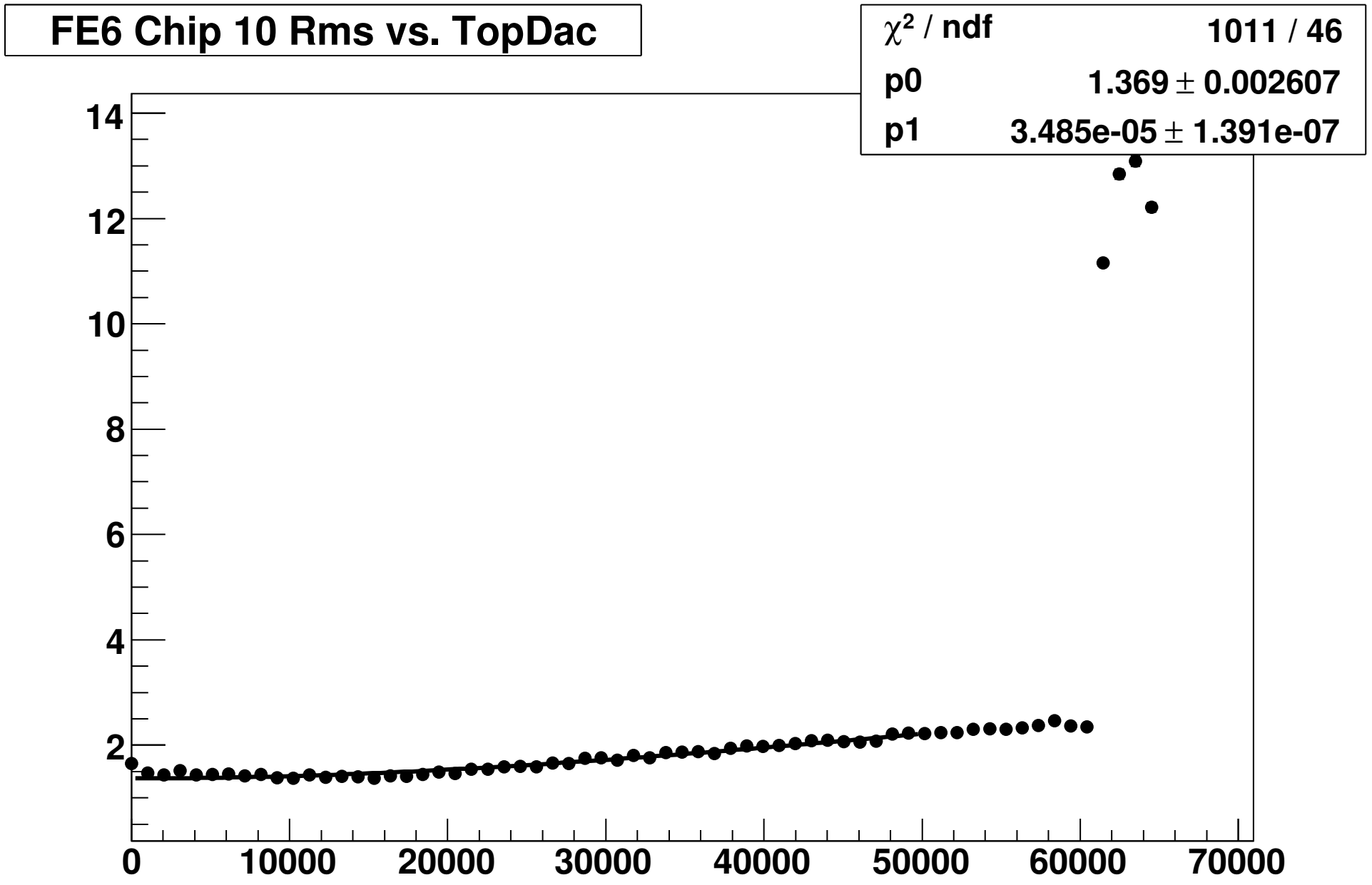

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.085e+05 / 46
p0 87.81 ± 0.004622
p1 0.45 ± 1.835e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1126 / 46
p0 1.363 ± 0.002585
p1 3.418e-05 ± 1.388e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 1868 / 46
p0 80.93 ± 0.004613
p1 -4.333e-06 ± 1.599e-07
81.2
81.1
81
80.9
80.8
80.7
80.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 46.81 / 46
p0 1.494 ± 0.001607
p1 1.136e-15 ± 1.973e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.371e+05 / 46
p0 82.44 ± 0.00466
p1 0.45 ± 1.856e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1011 / 46
p0 1.369 ± 0.002607
p1 3.485e-05 ± 1.391e-07
14
12
10
8
6
4
2
0
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20000
30000
40000
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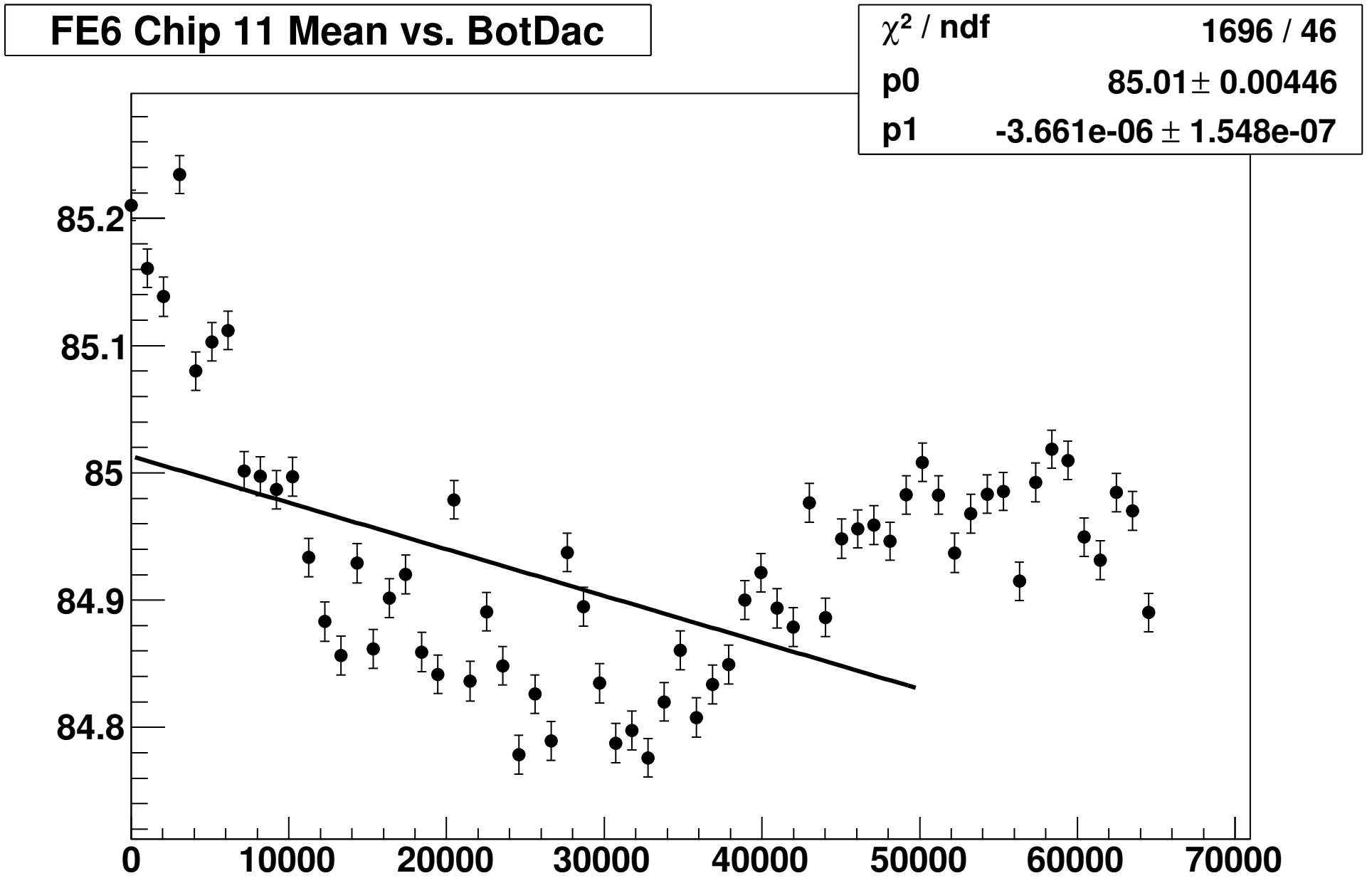
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 1696 / 46
p0 85.01 ± 0.00446
p1 -3.661e-06 ± 1.548e-07
85.2
85.1
85
84.9
84.8
0
10000
20000
30000
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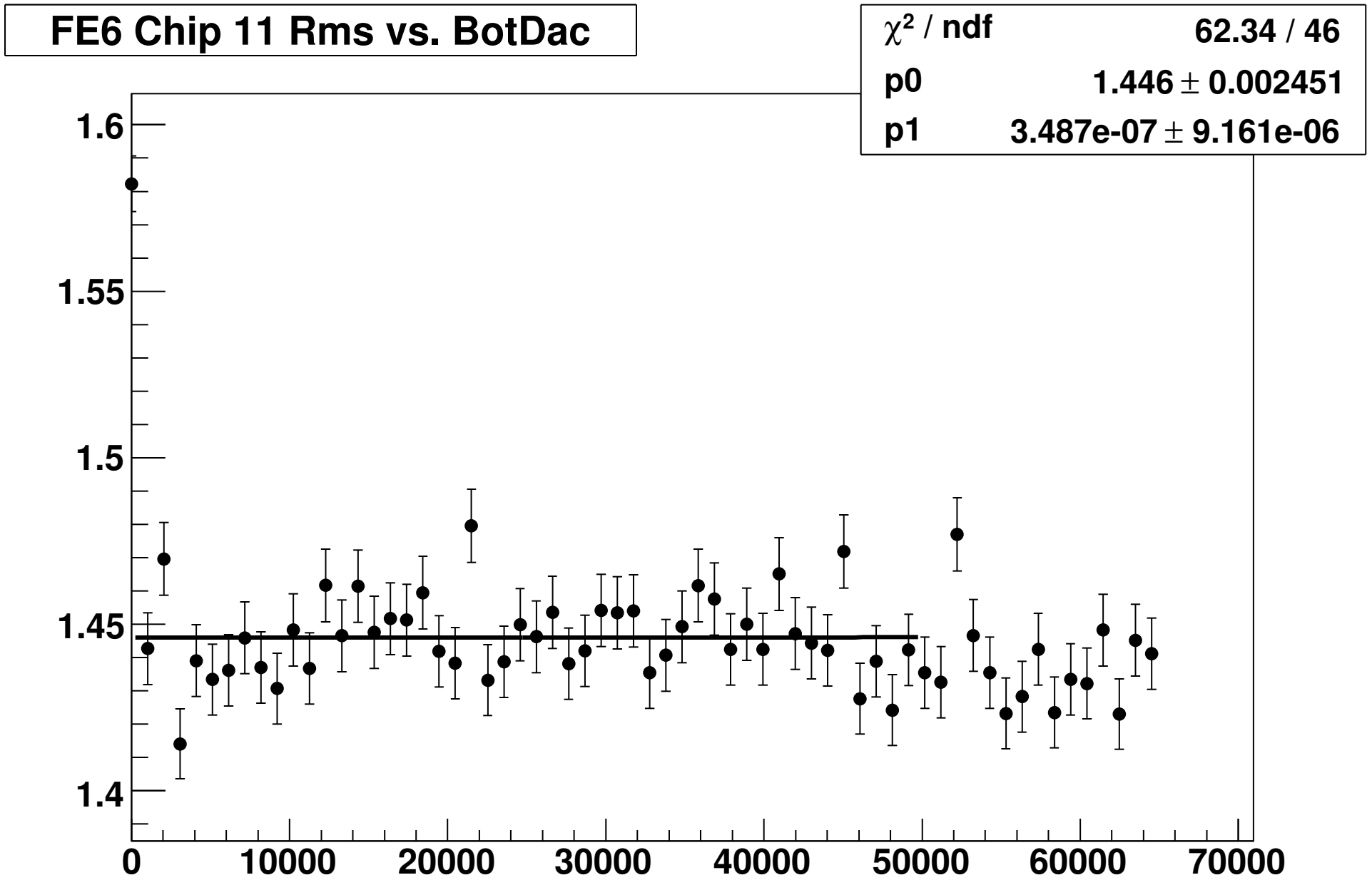
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 62.34 / 46
p0 1.446 ± 0.002451
p1 3.487e-07 ± 9.161e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
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60000
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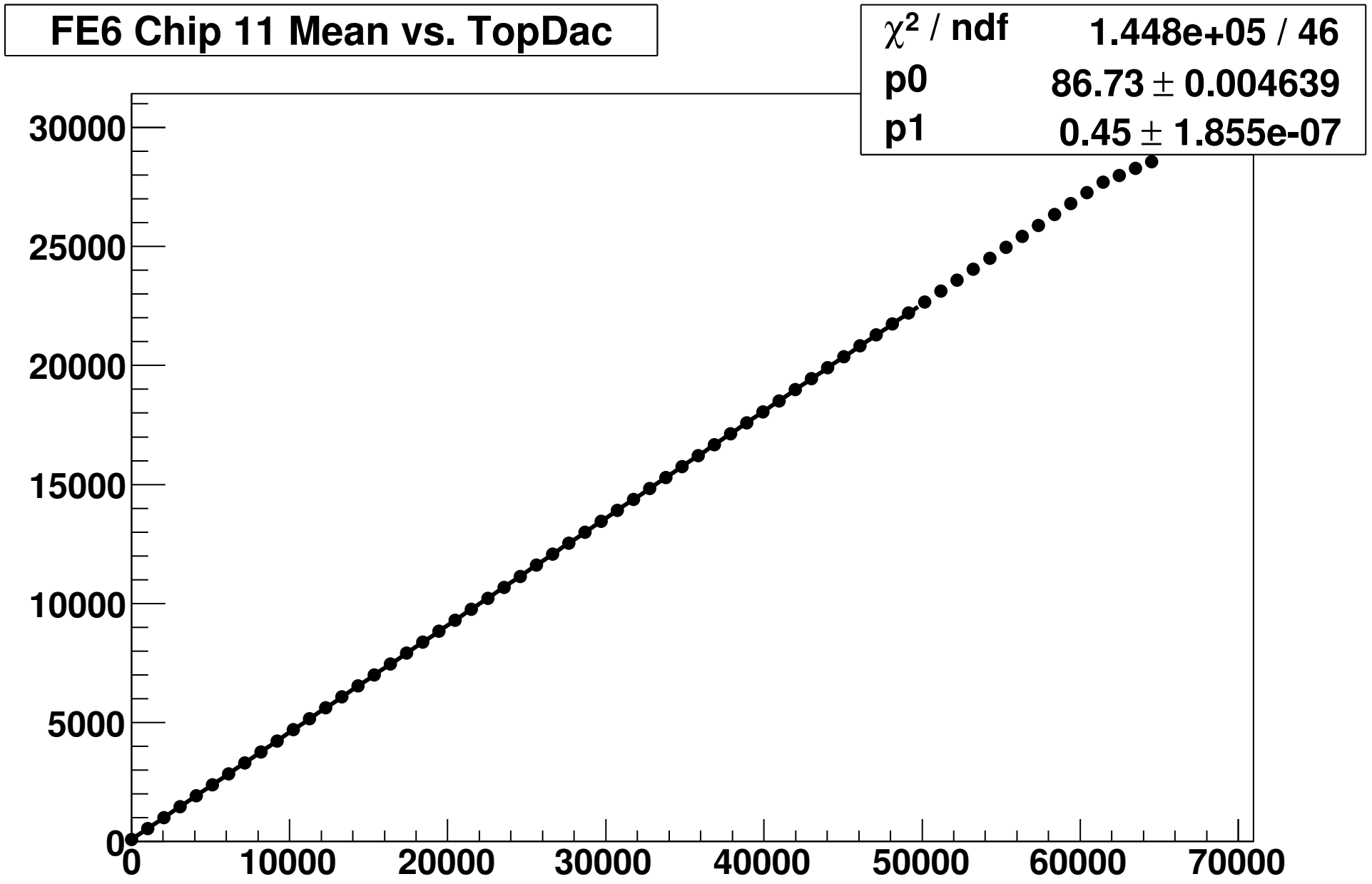
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.448e+05 / 46
p0 86.73 ± 0.004639
p1 0.45 ± 1.855e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
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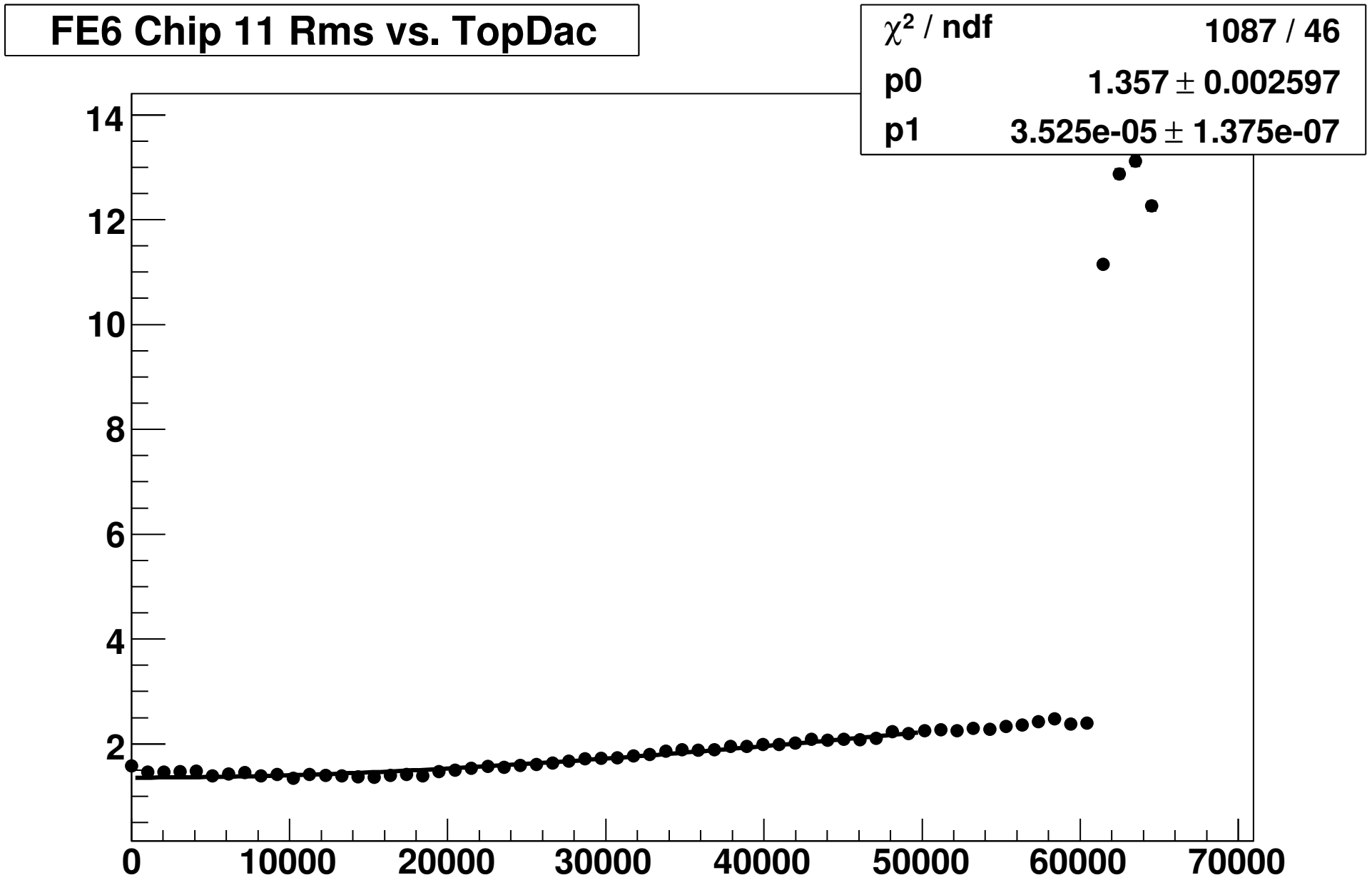
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1087 / 46
p0 1.357 ± 0.002597
p1 3.525e-05 ± 1.375e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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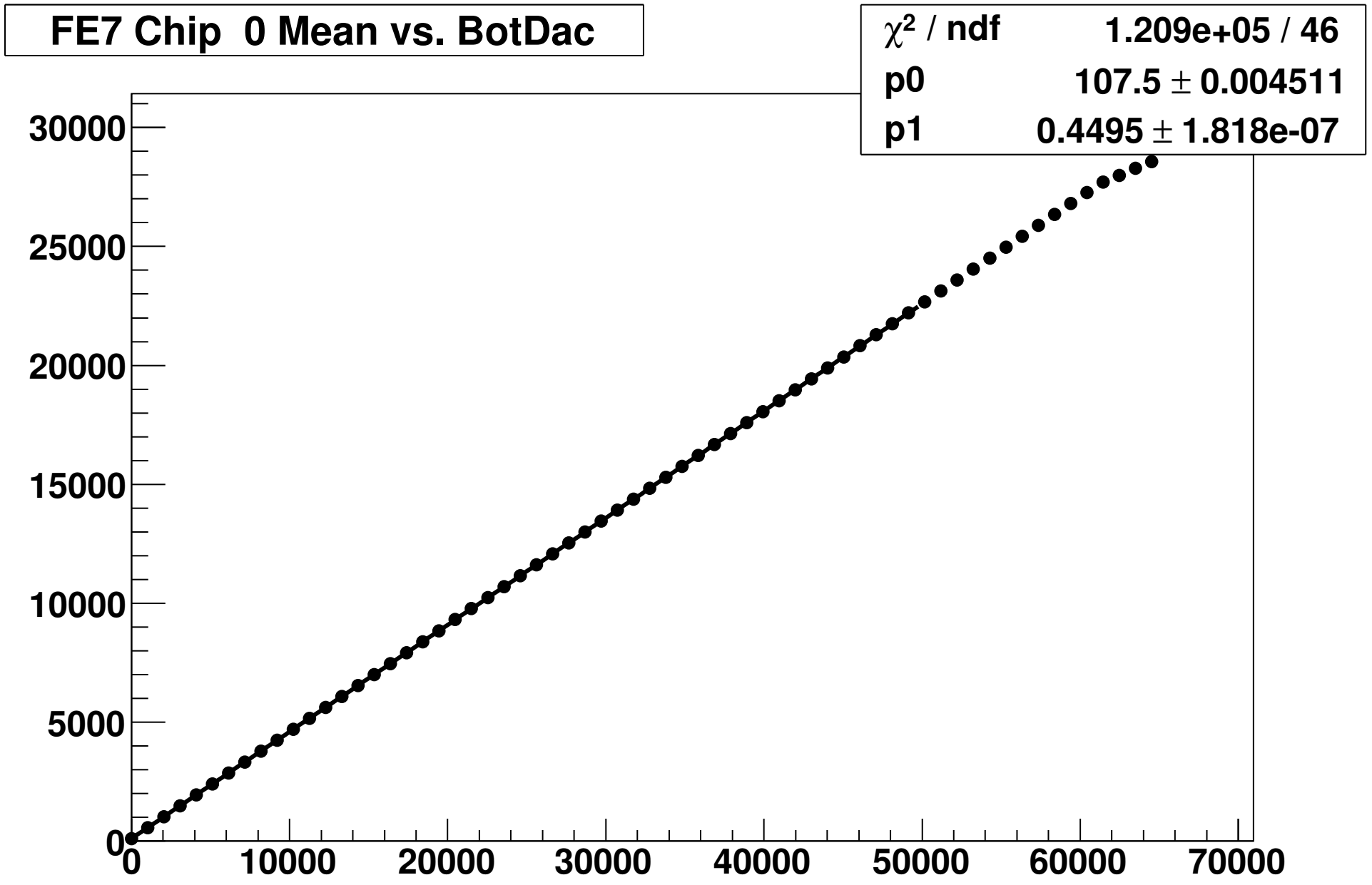
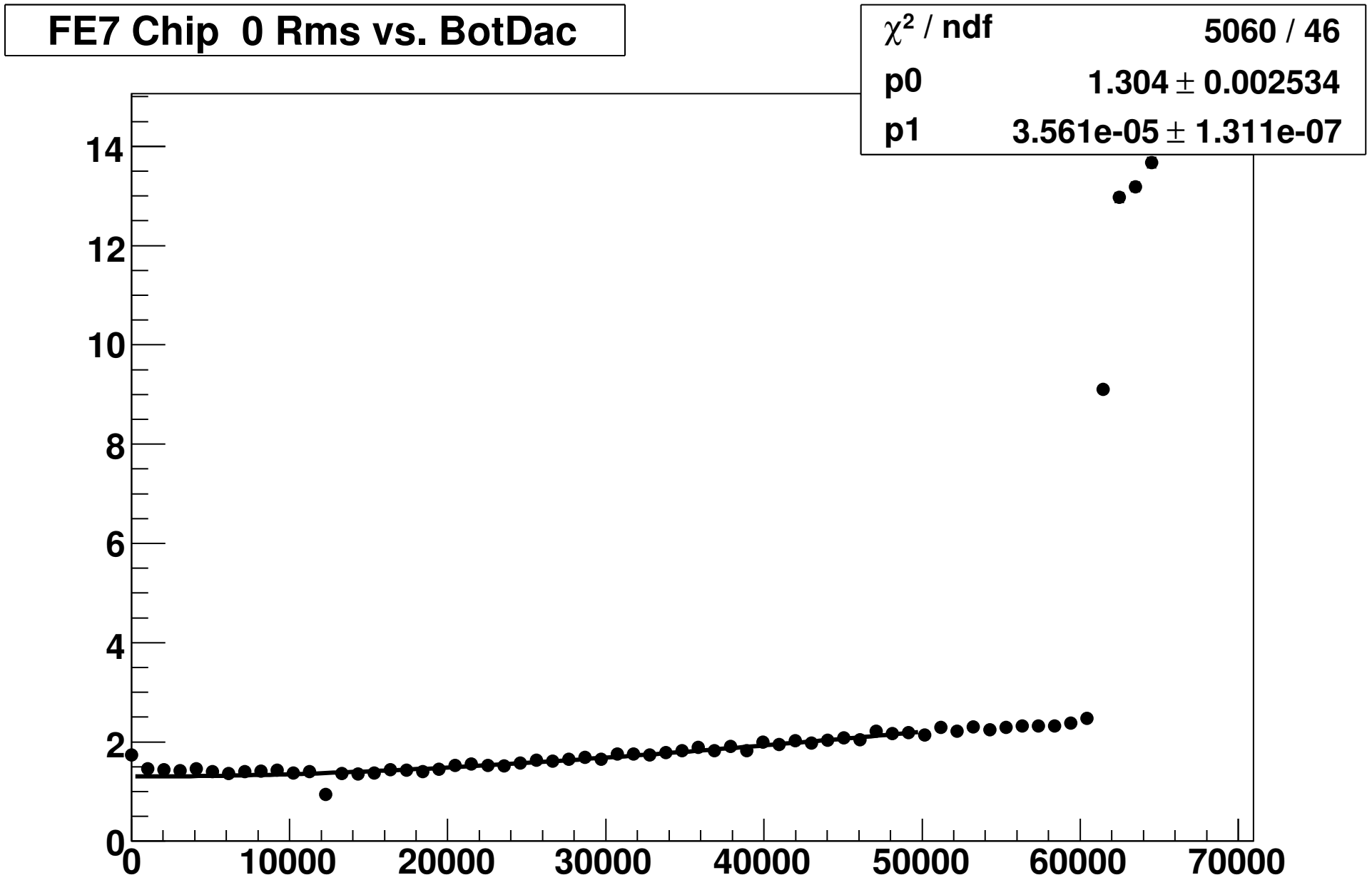

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.209e+05 / 46
p0 107.5 ± 0.004511
p1 0.4495 ± 1.818e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 5060 / 46
p0 1.304 ± 0.002534
p1 3.561e-05 ± 1.311e-07
0
2
4
6
8
10
12
14
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10000
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50000
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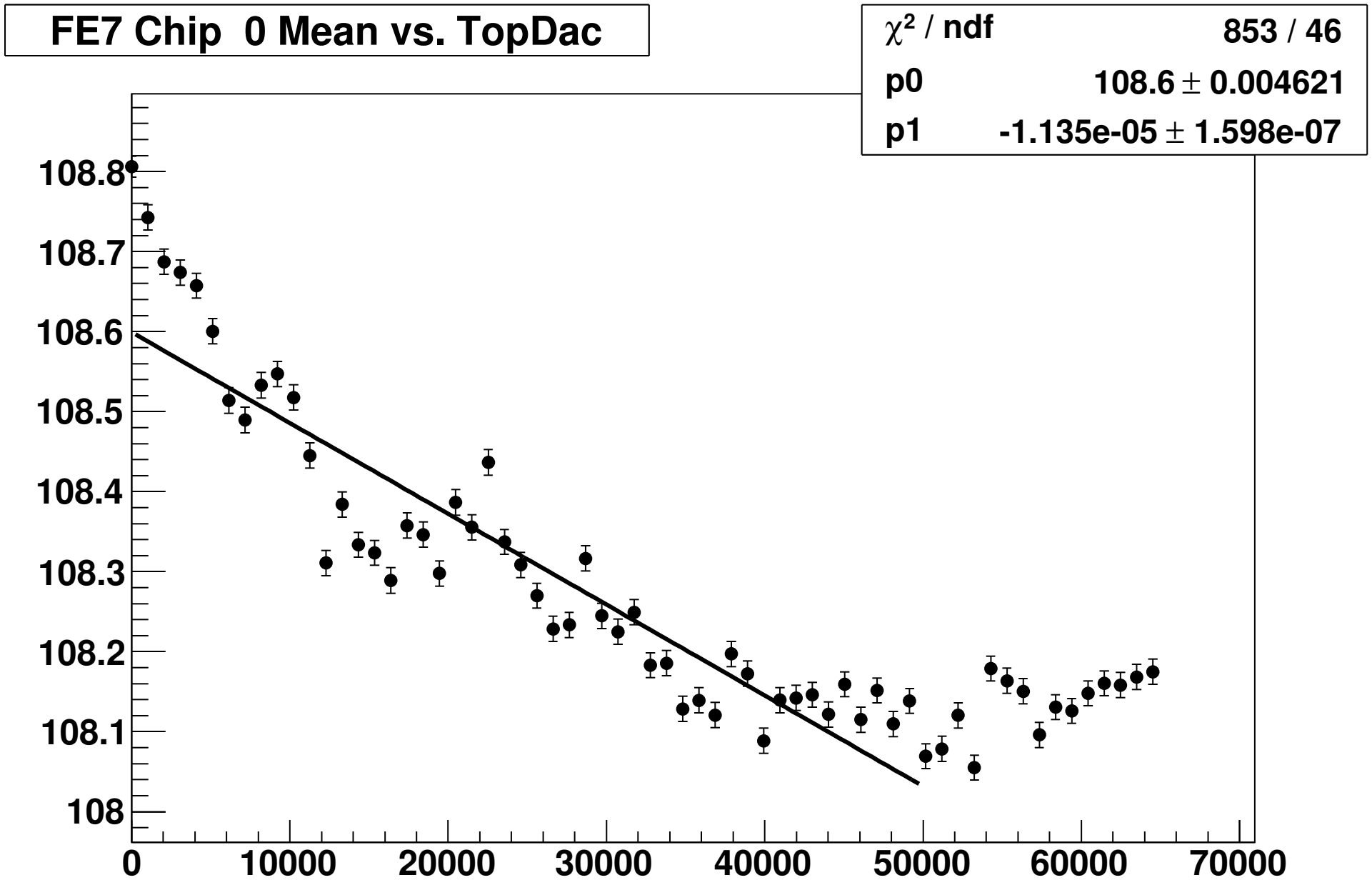
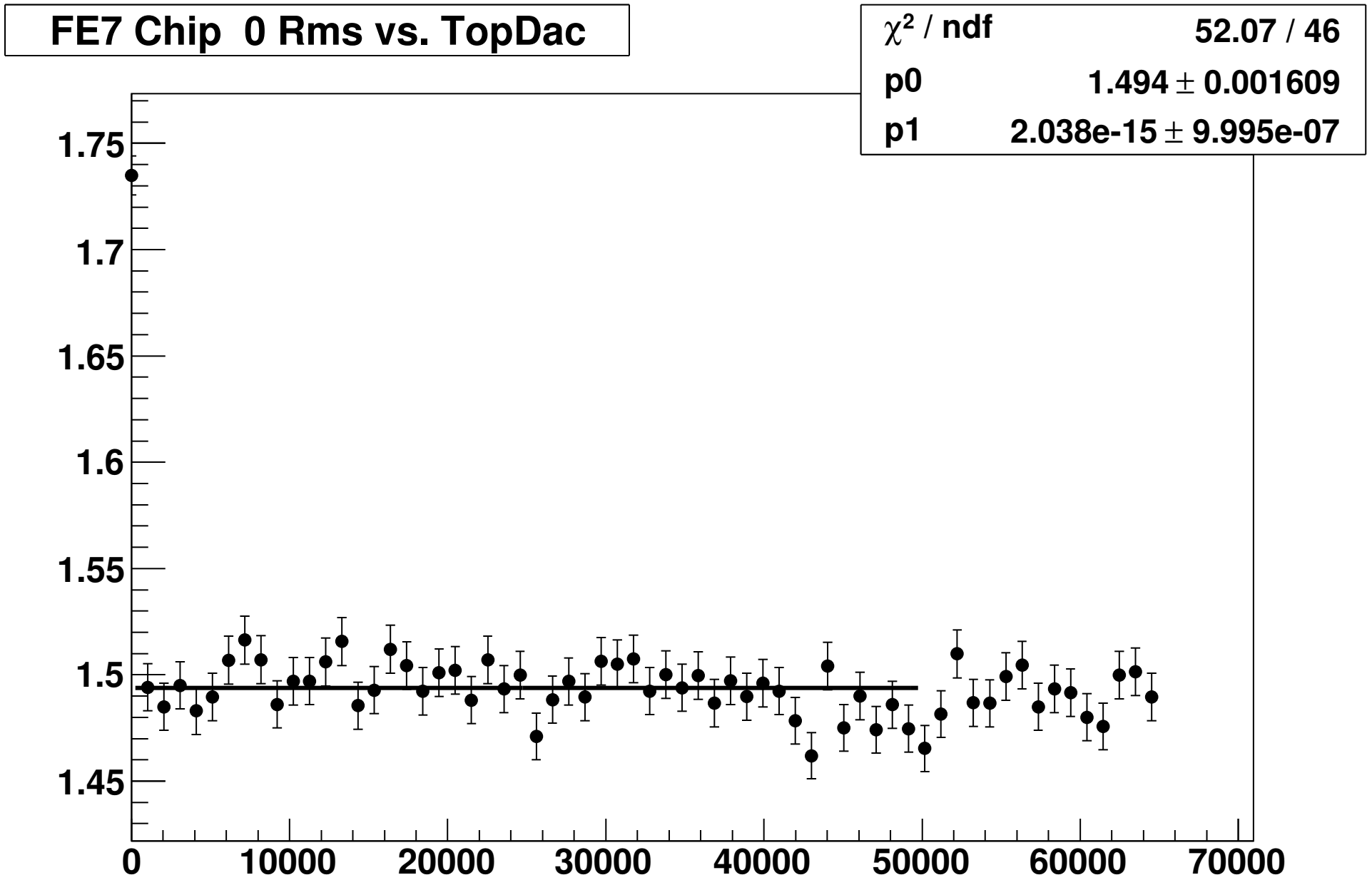

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 853 / 46
p0 108.6 ± 0.004621
p1 -1.135e-05 ± 1.598e-07
108.8
108.7
108.6
108.5
108.4
108.3
108.2
108.1
108
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 52.07 / 46
p0 1.494 ± 0.001609
p1 2.038e-15 ± 9.995e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
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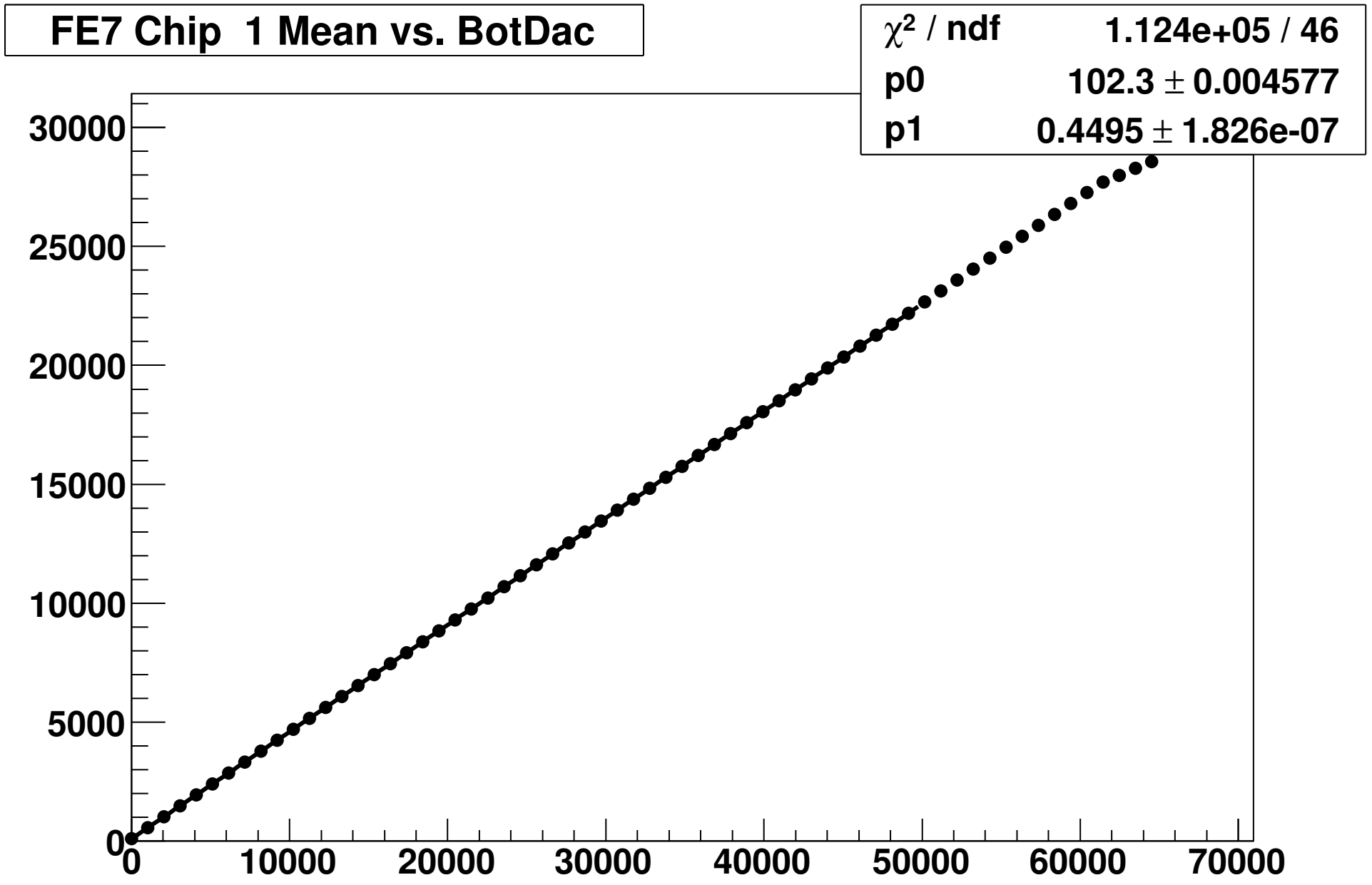
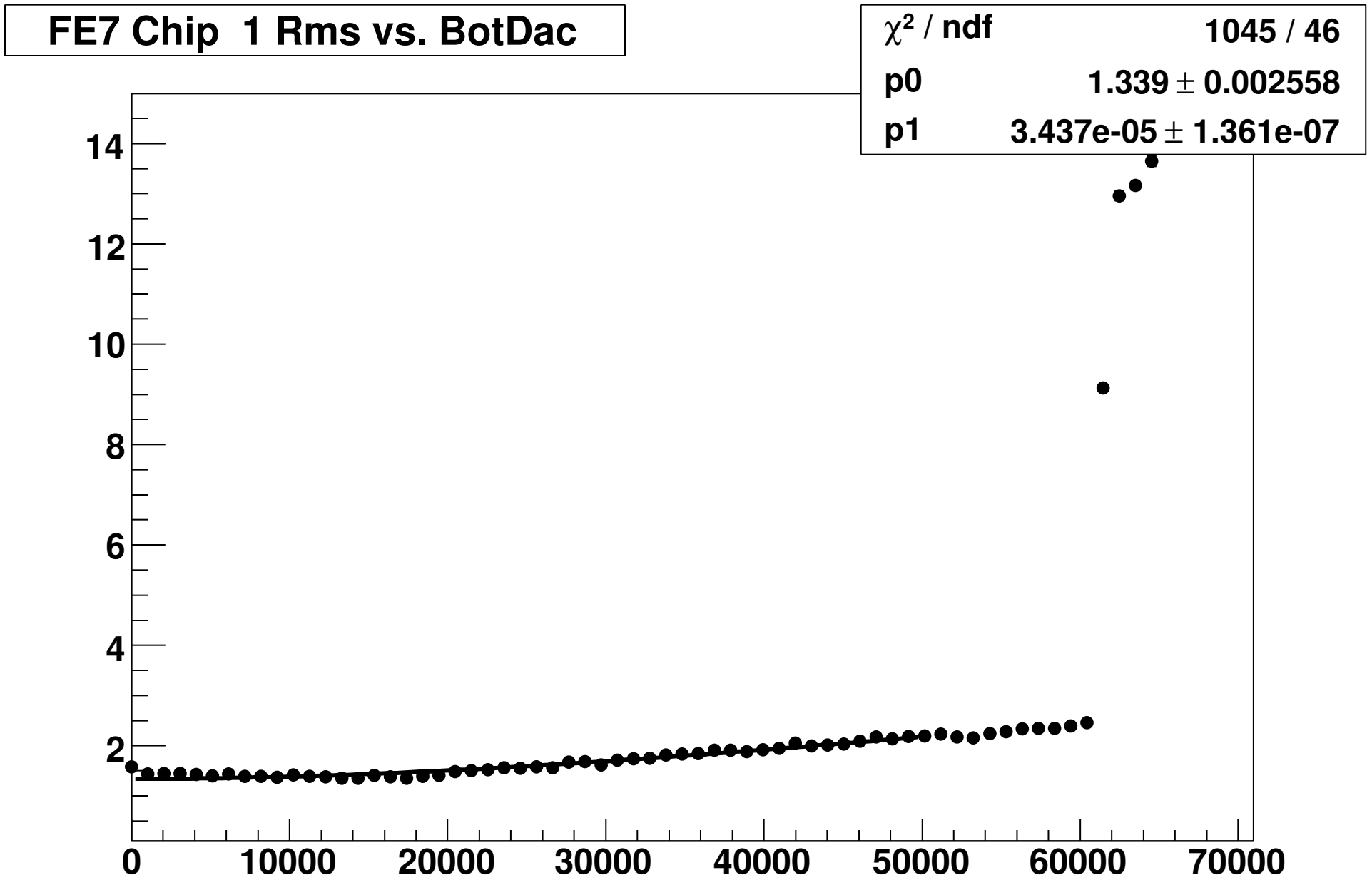

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.124e+05 / 46
p0 102.3 ± 0.004577
p1 0.4495 ± 1.826e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1045 / 46
p0 1.339 ± 0.002558
p1 3.437e-05 ± 1.361e-07
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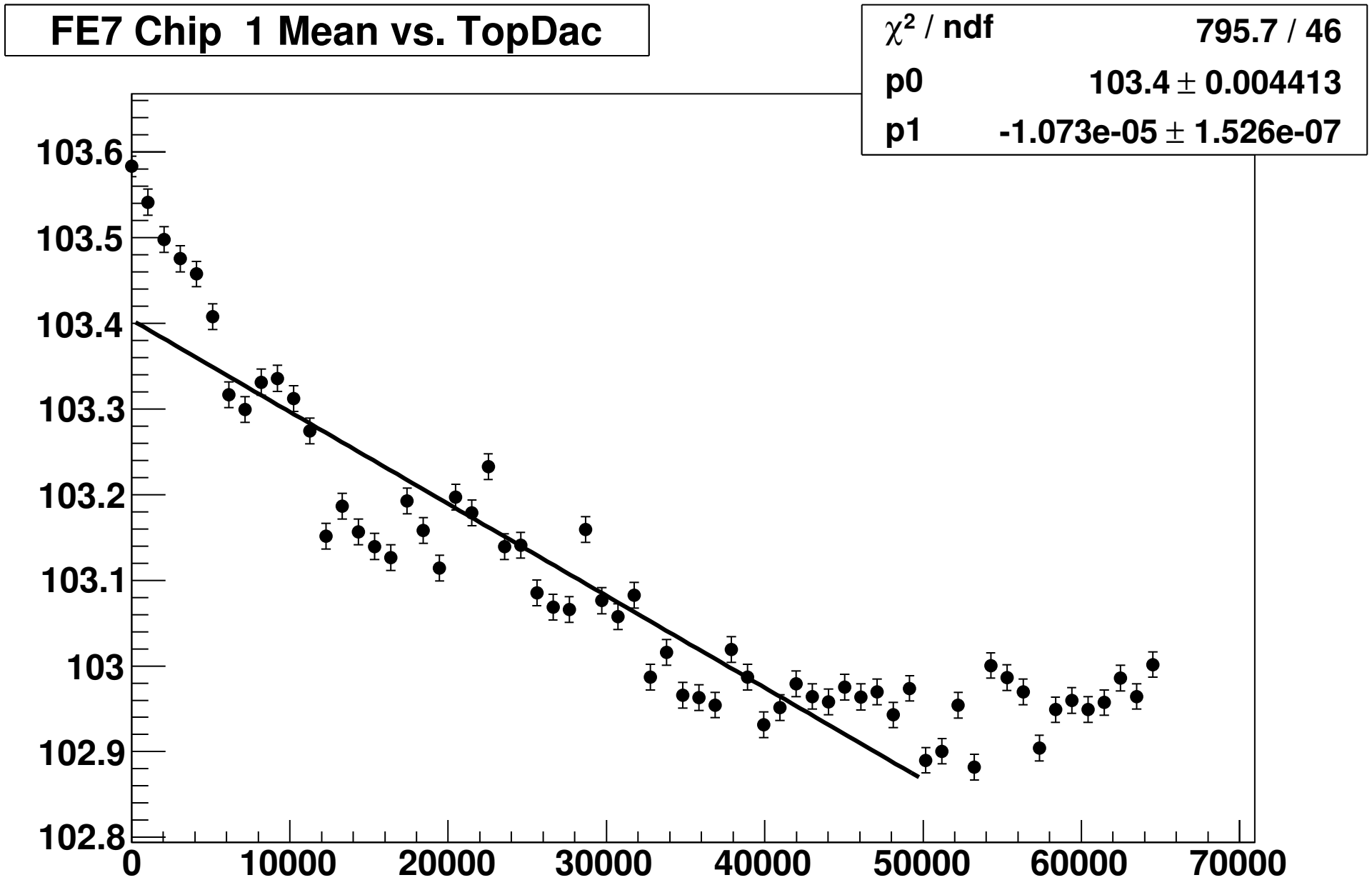
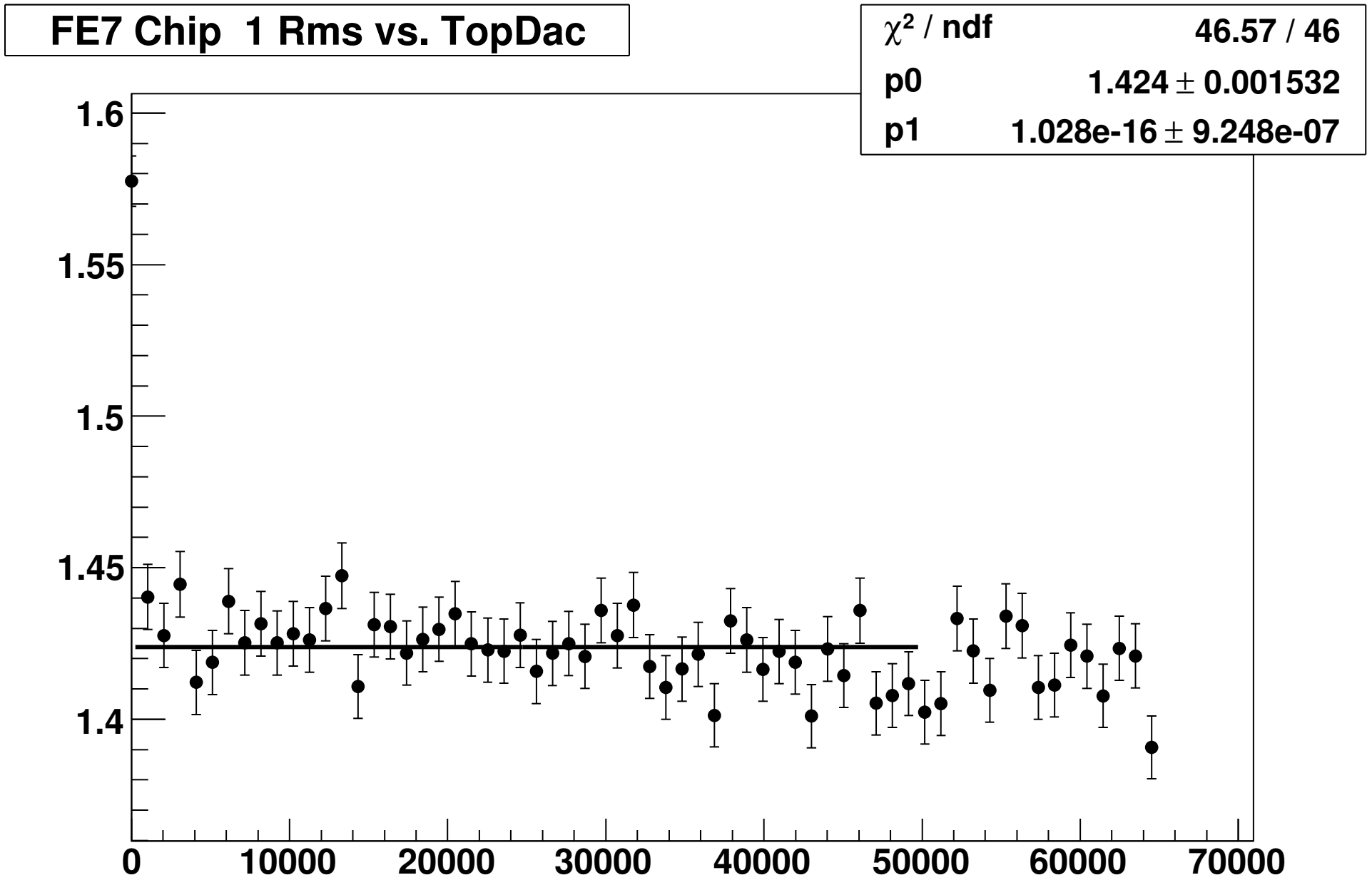
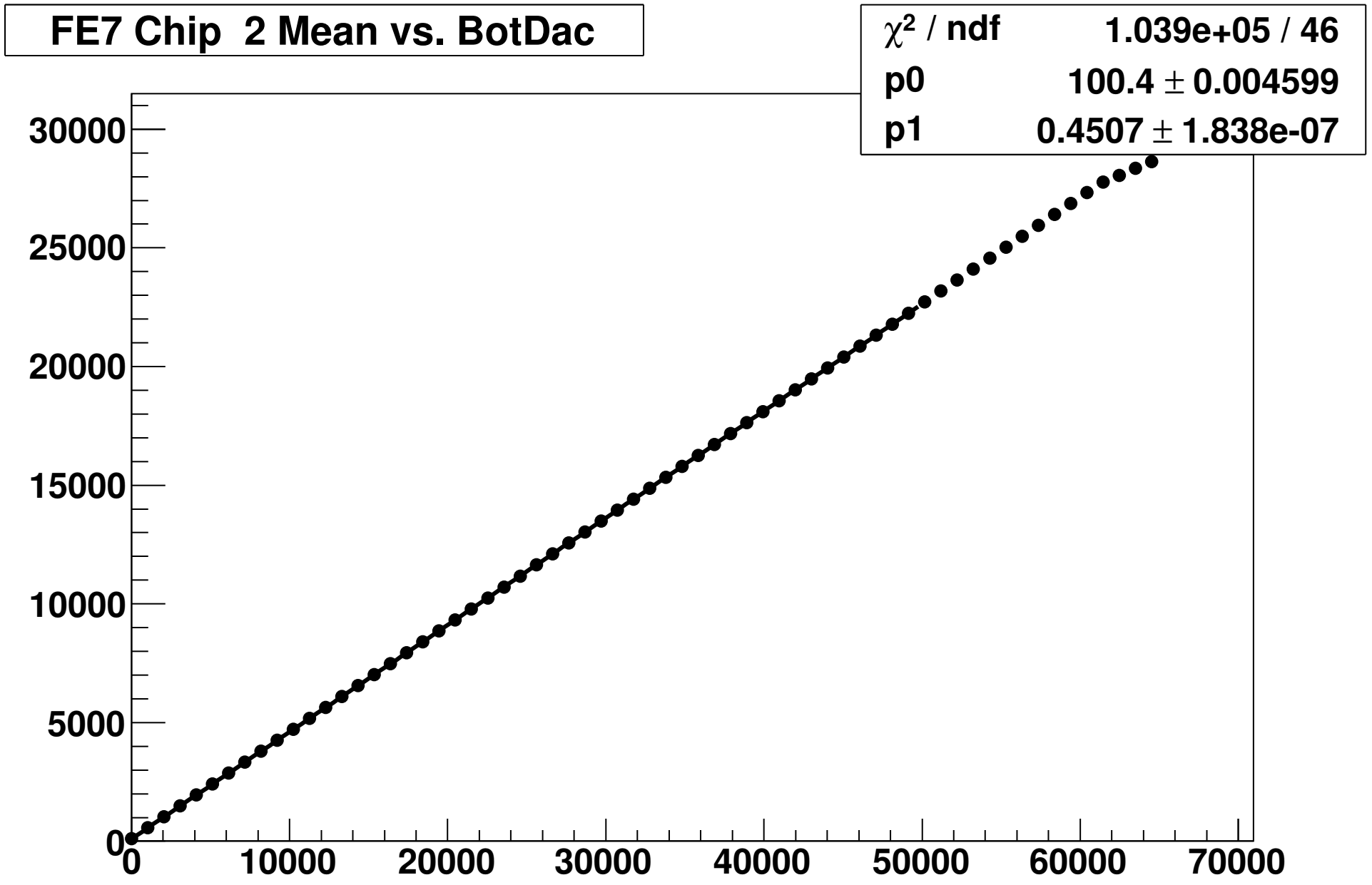
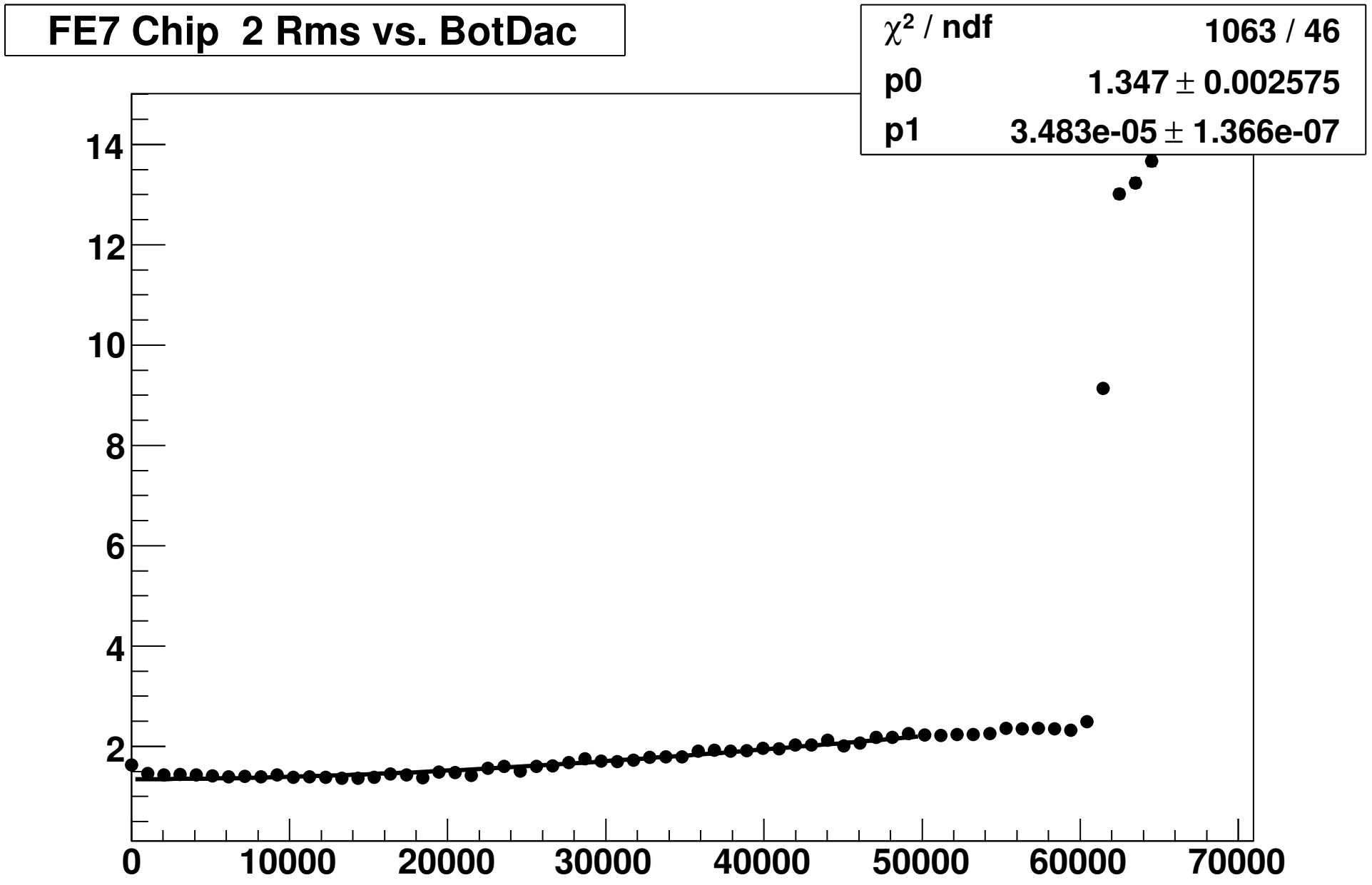
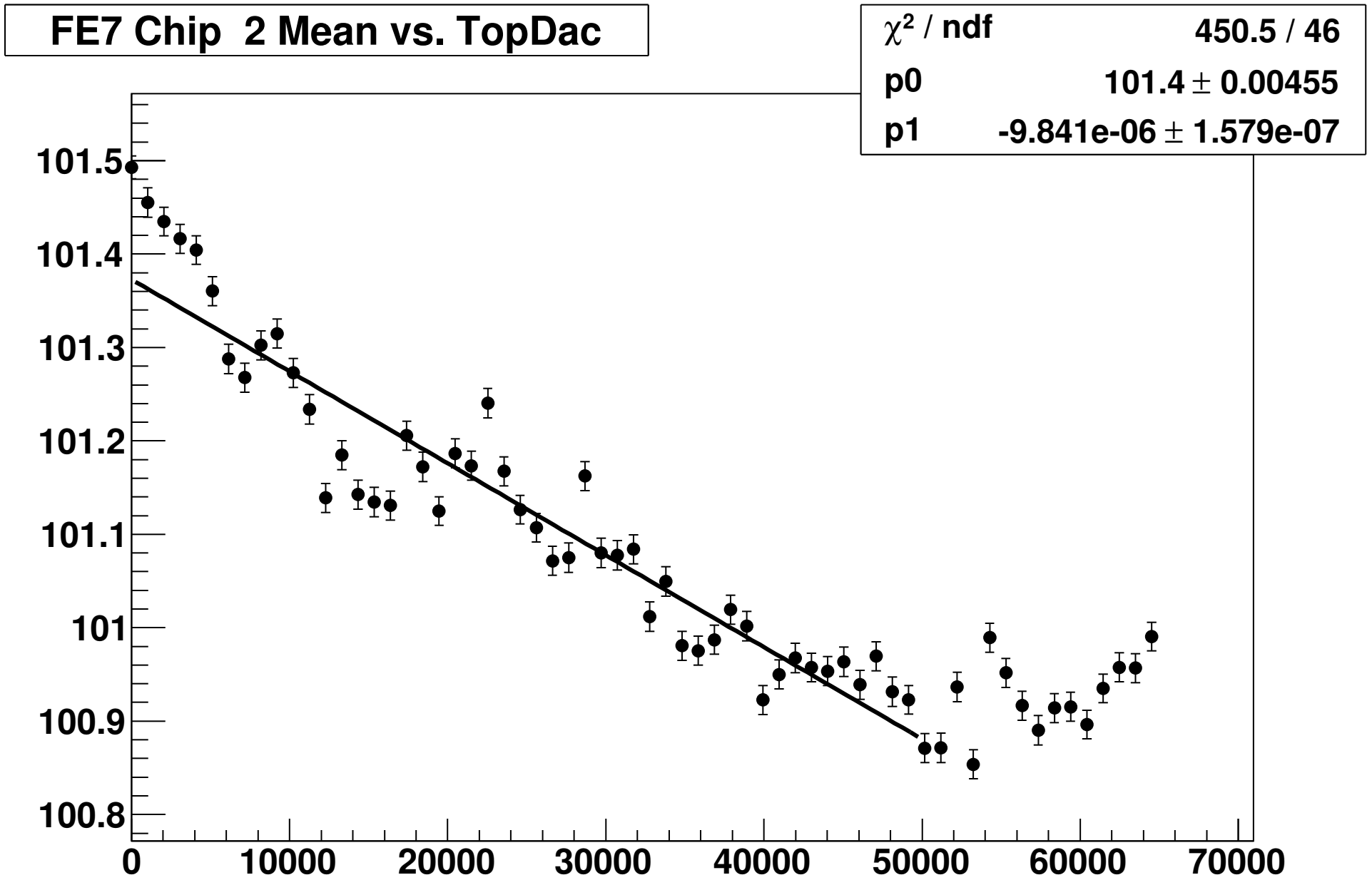
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

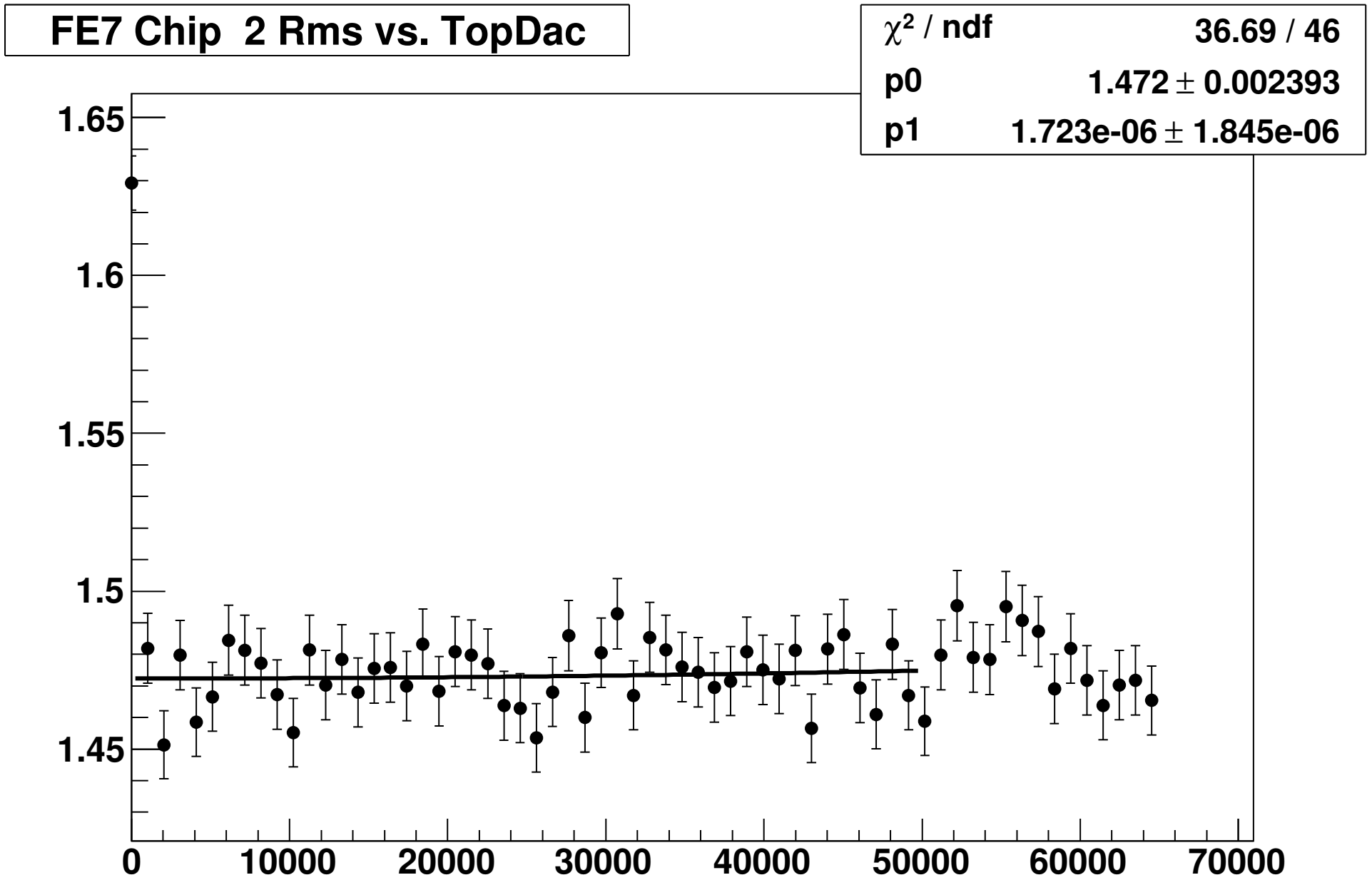

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 795.7 / 46
p0 103.4 ± 0.004413
p1 -1.073e-05 ± 1.526e-07
103.6
103.5
103.4
103.3
103.2
103.1
103
102.9
102.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 46.57 / 46
p0 1.424 ± 0.001532
p1 1.028e-16 ± 9.248e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.039e+05 / 46
p0 100.4 ± 0.004599
p1 0.4507 ± 1.838e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1063 / 46
p0 1.347 ± 0.002575
p1 3.483e-05 ± 1.366e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 450.5 / 46
p0 101.4 ± 0.00455
p1 -9.841e-06 ± 1.579e-07
101.5
101.4
101.3
101.2
101.1
101
100.9
100.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 36.69 / 46
p0 1.472 ± 0.002393
p1 1.723e-06 ± 1.845e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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60000
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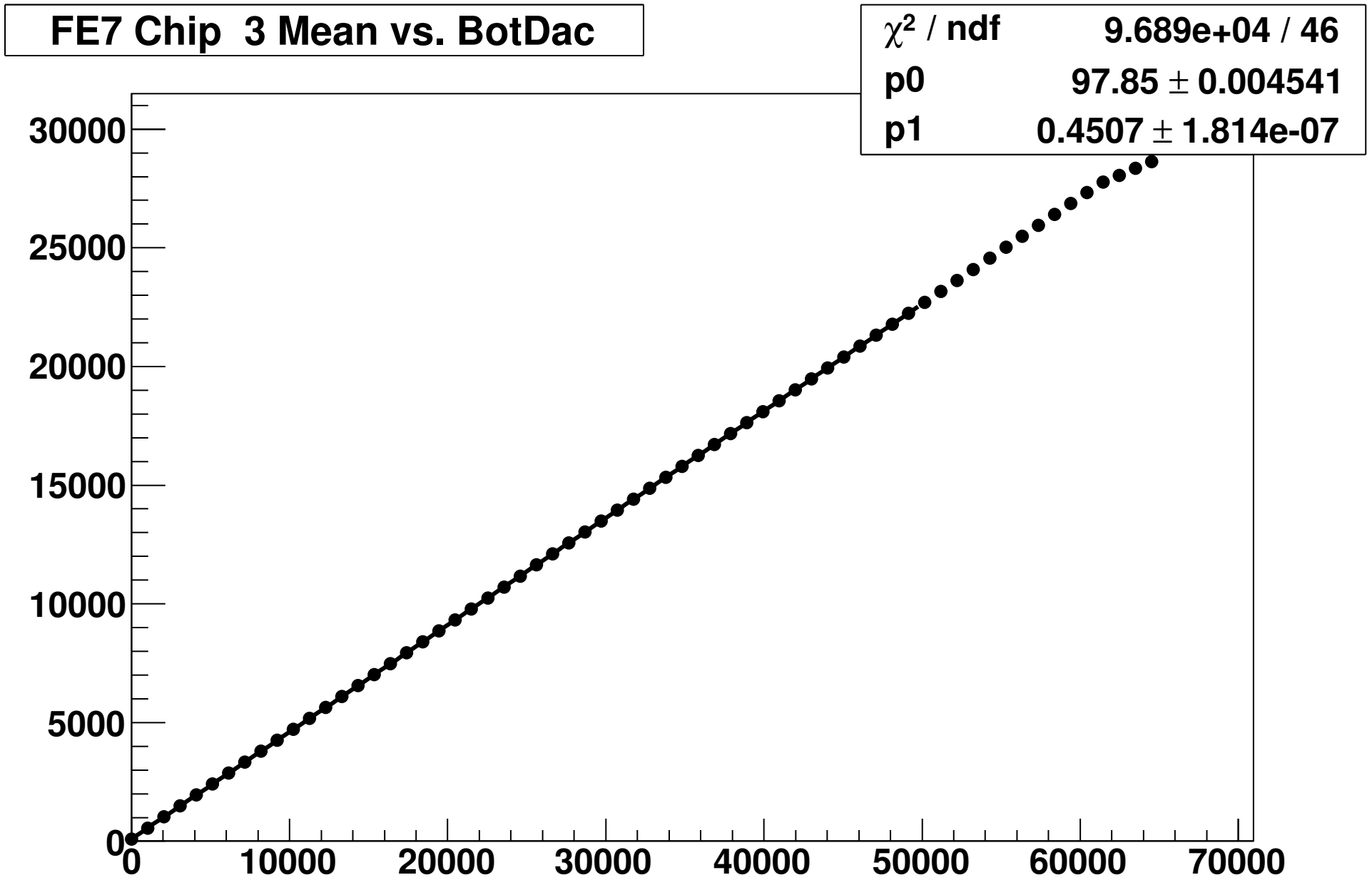
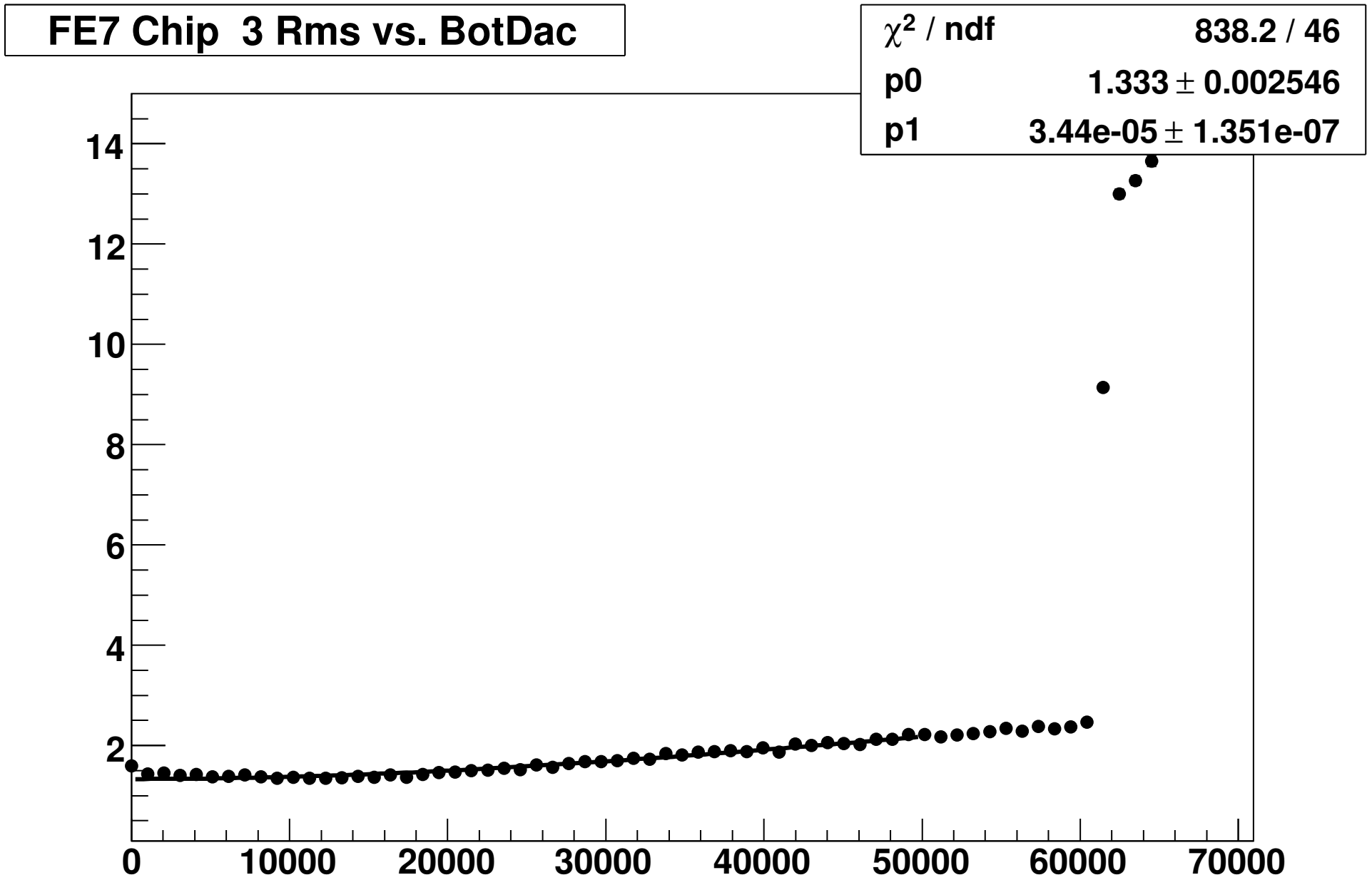
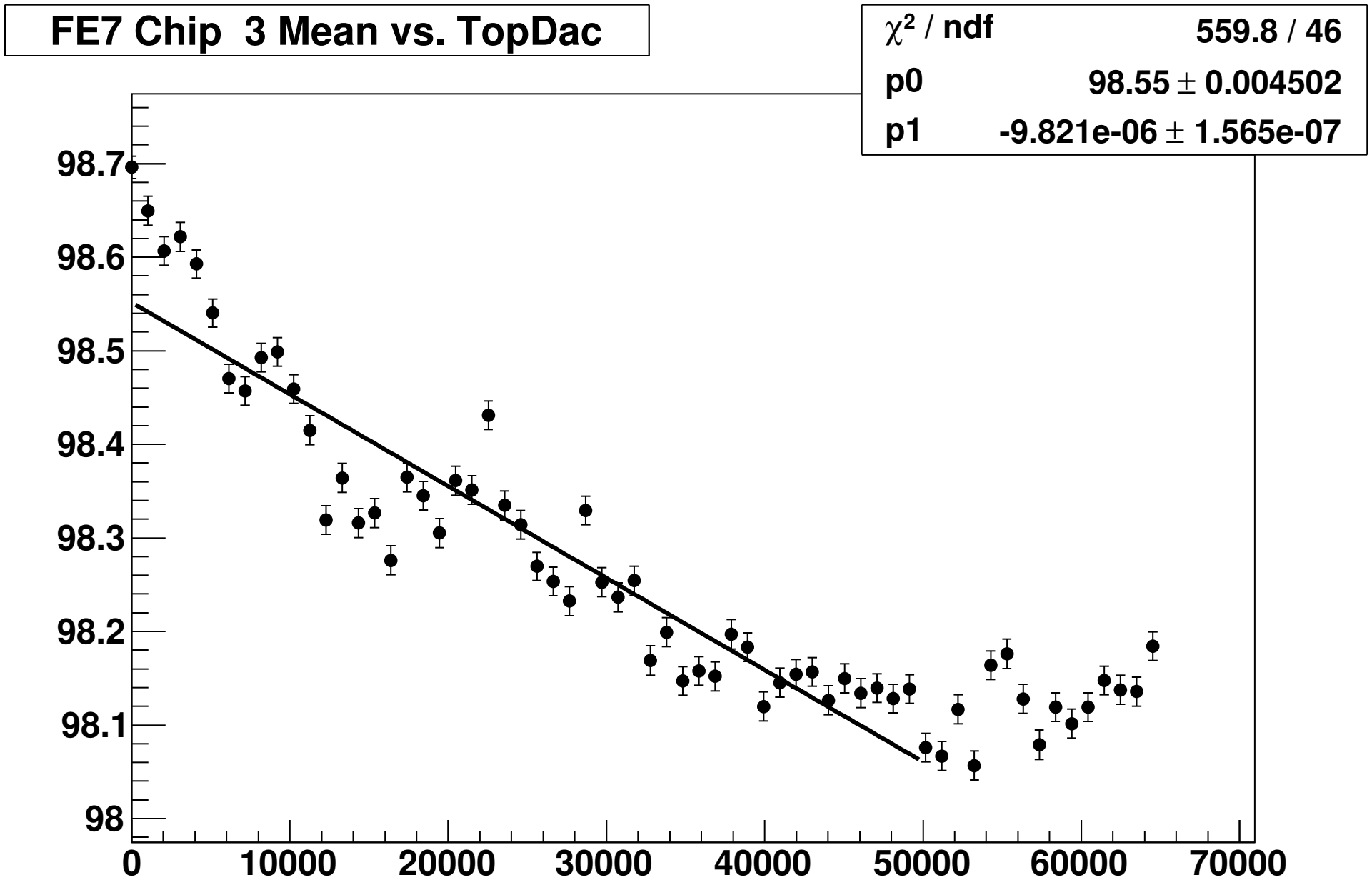
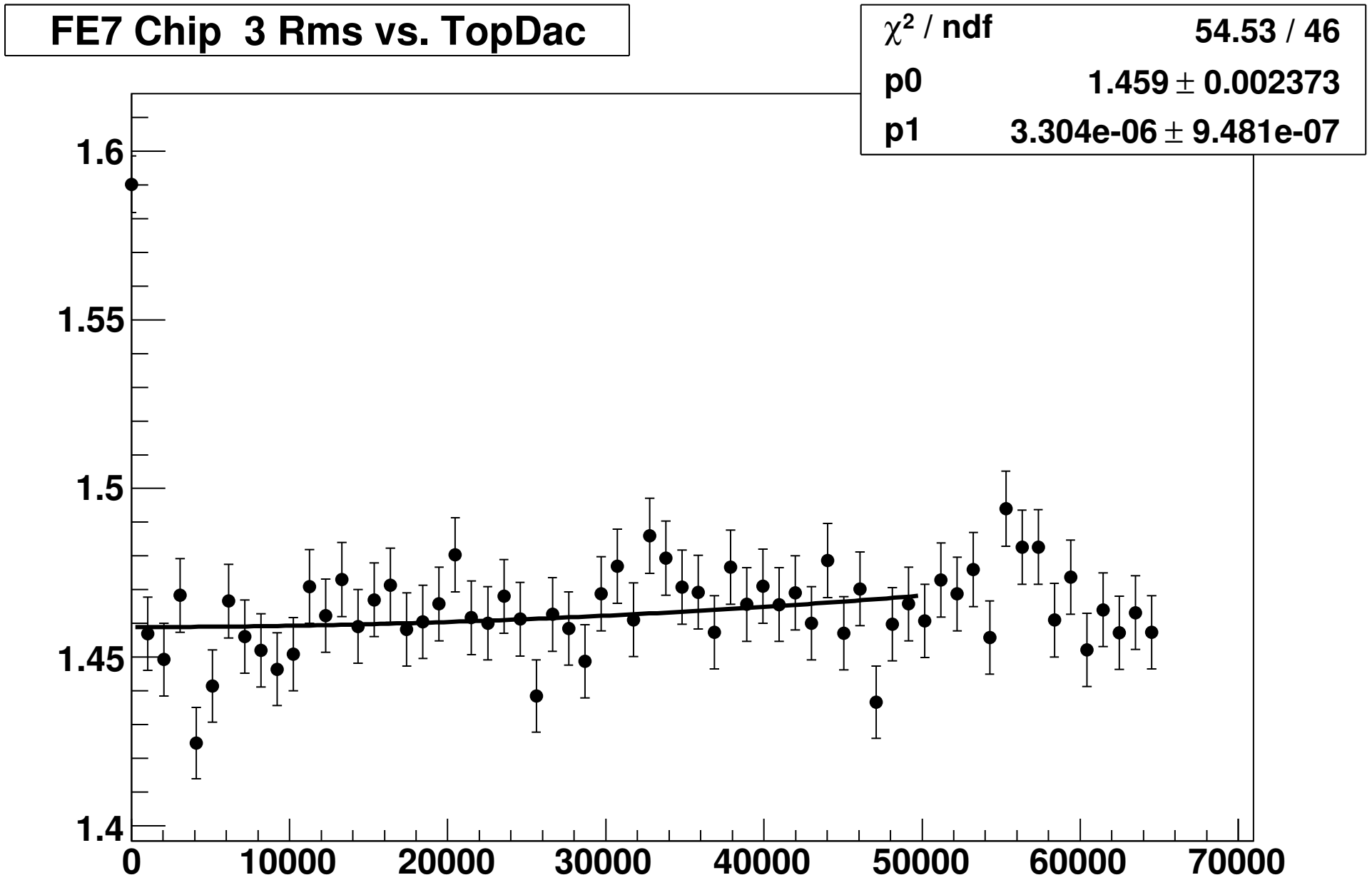
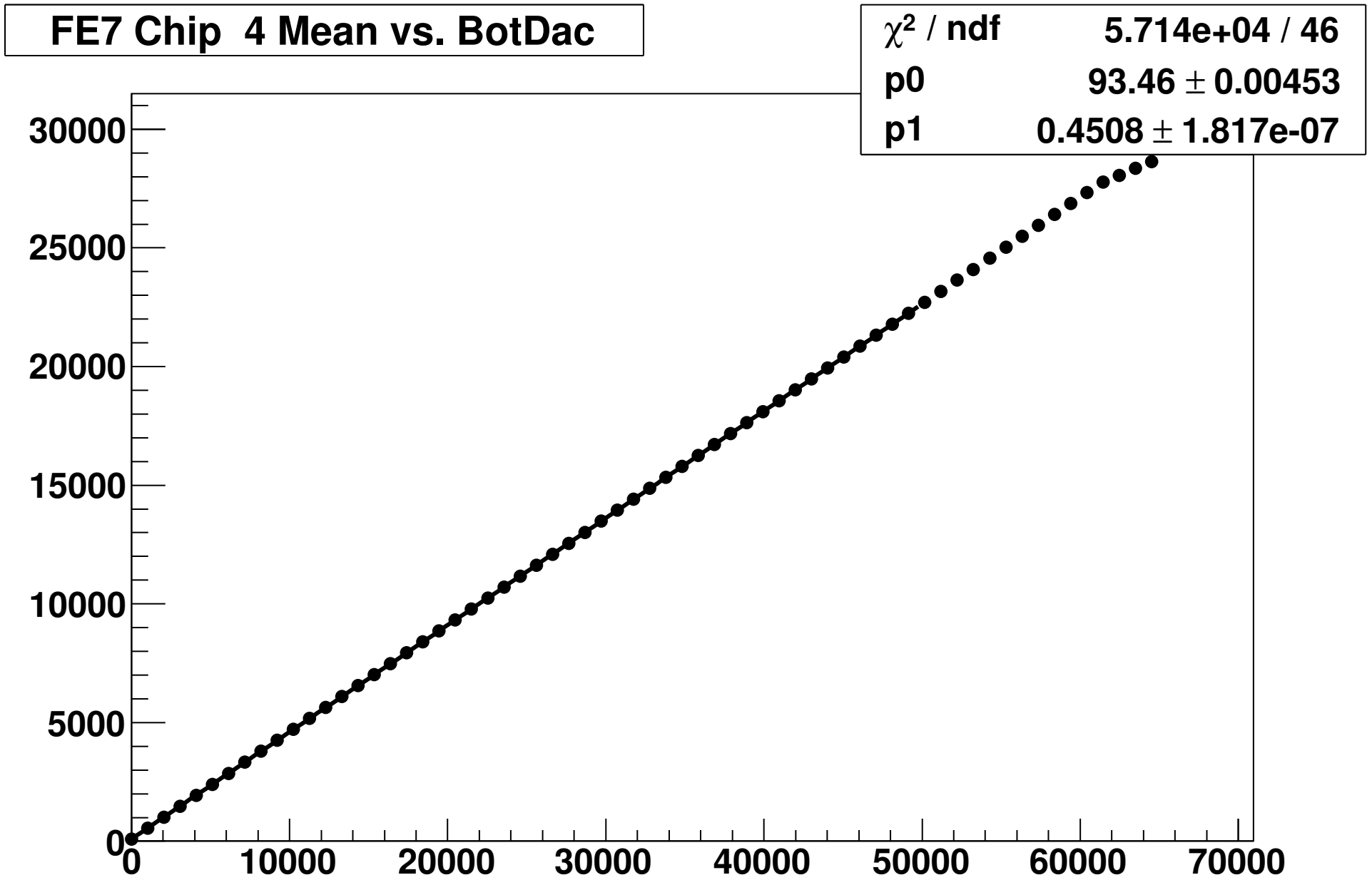

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 9.689e+04 / 46
p0 97.85 ± 0.004541
p1 0.4507 ± 1.814e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 838.2 / 46
p0 1.333 ± 0.002546
p1 3.44e-05 ± 1.351e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 559.8 / 46
p0 98.55 ± 0.004502
p1 -9.821e-06 ± 1.565e-07
98.7
98.6
98.5
98.4
98.3
98.2
98.1
98
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 54.53 / 46
p0 1.459 ± 0.002373
p1 3.304e-06 ± 9.481e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 5.714e+04 / 46
p0 93.46 ± 0.00453
p1 0.4508 ± 1.817e-07
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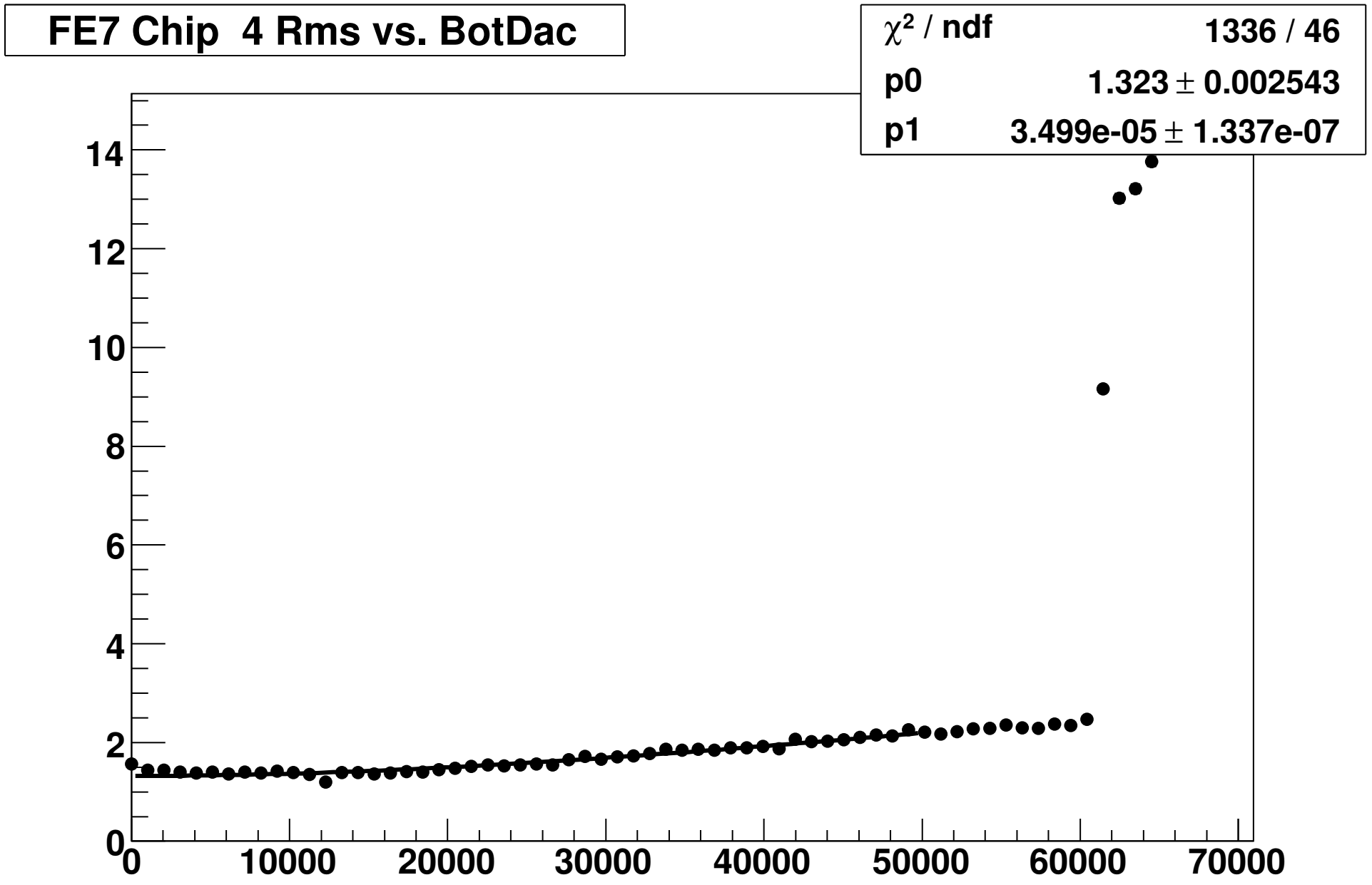
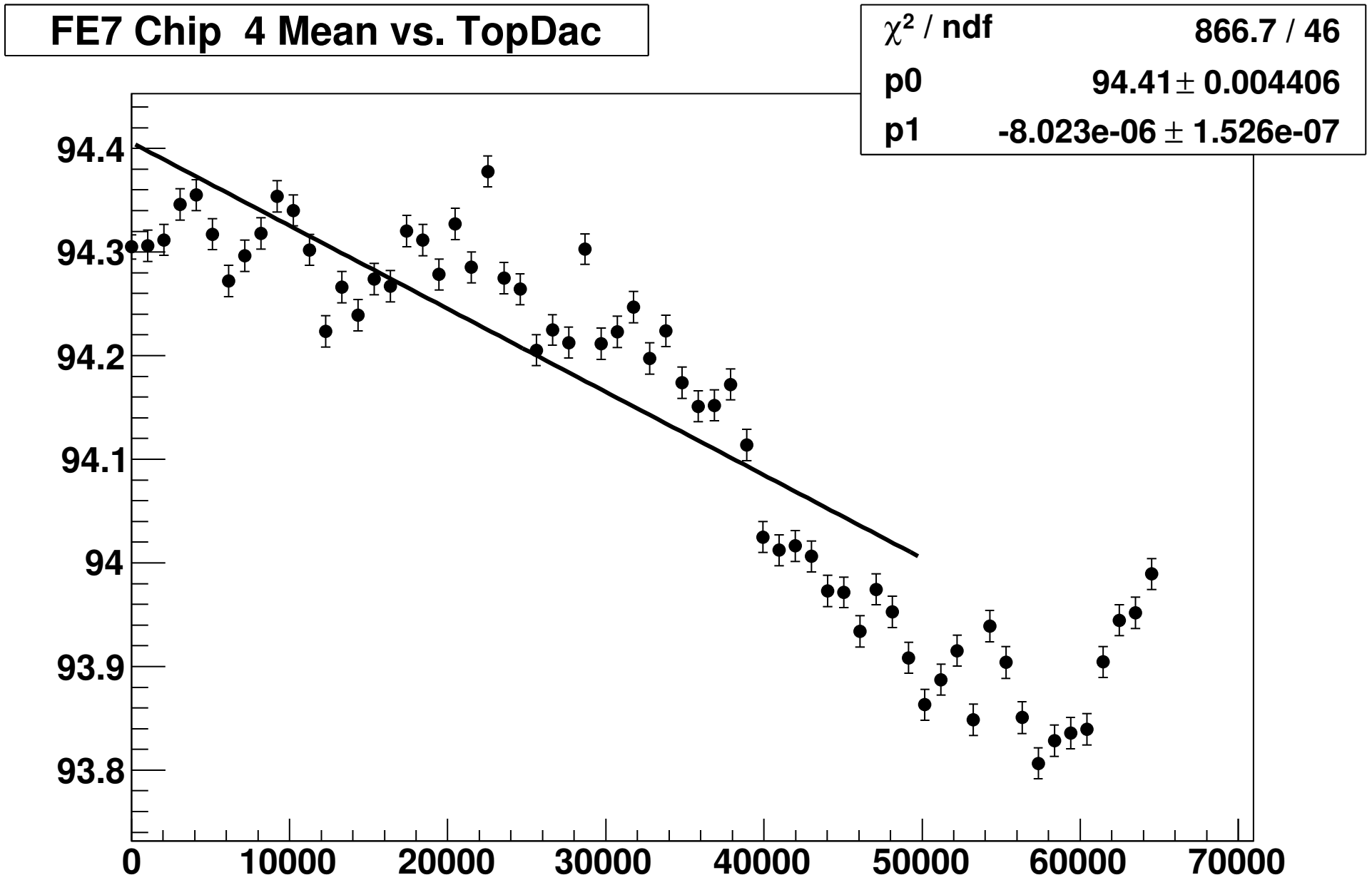
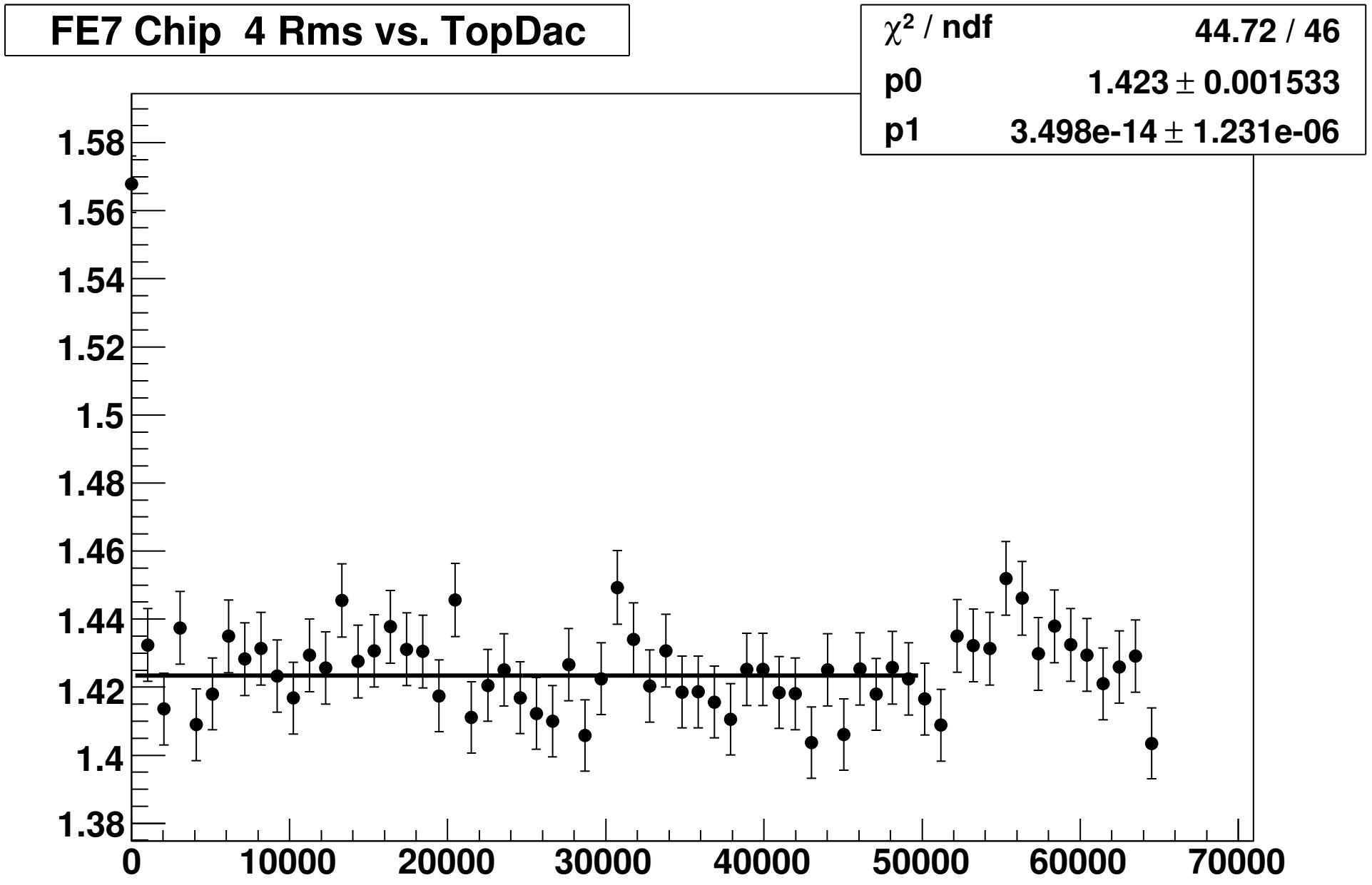
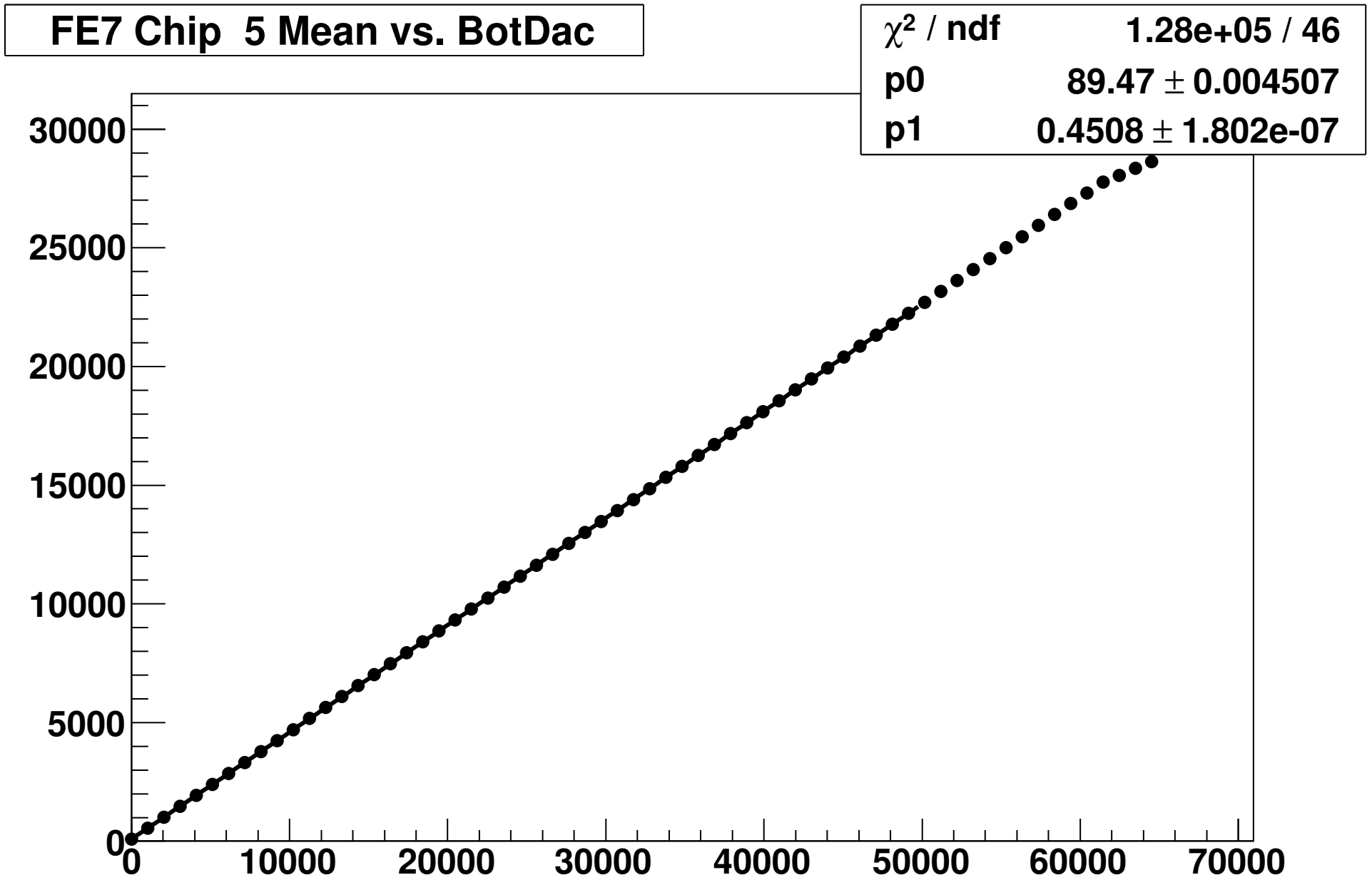
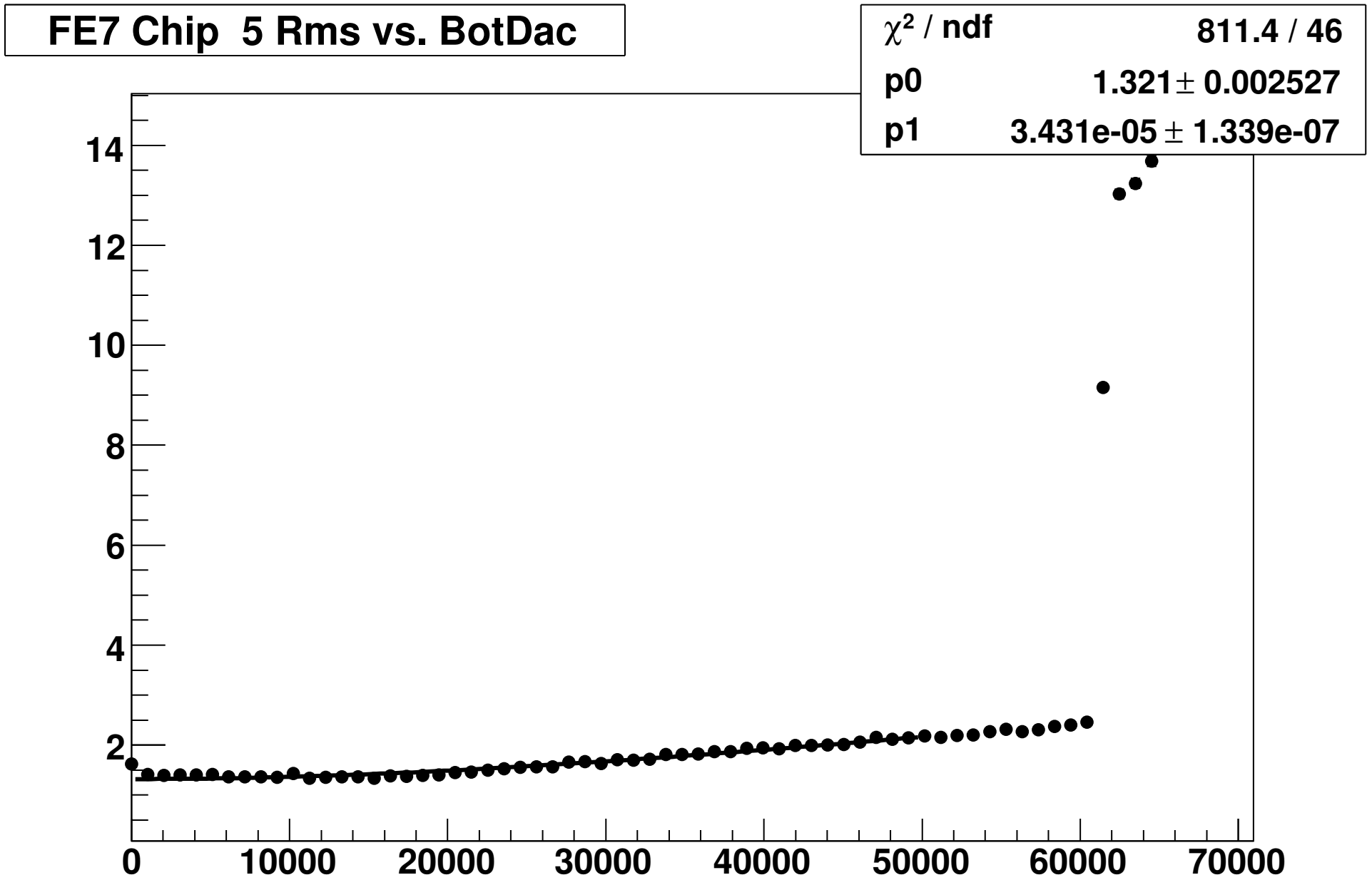
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

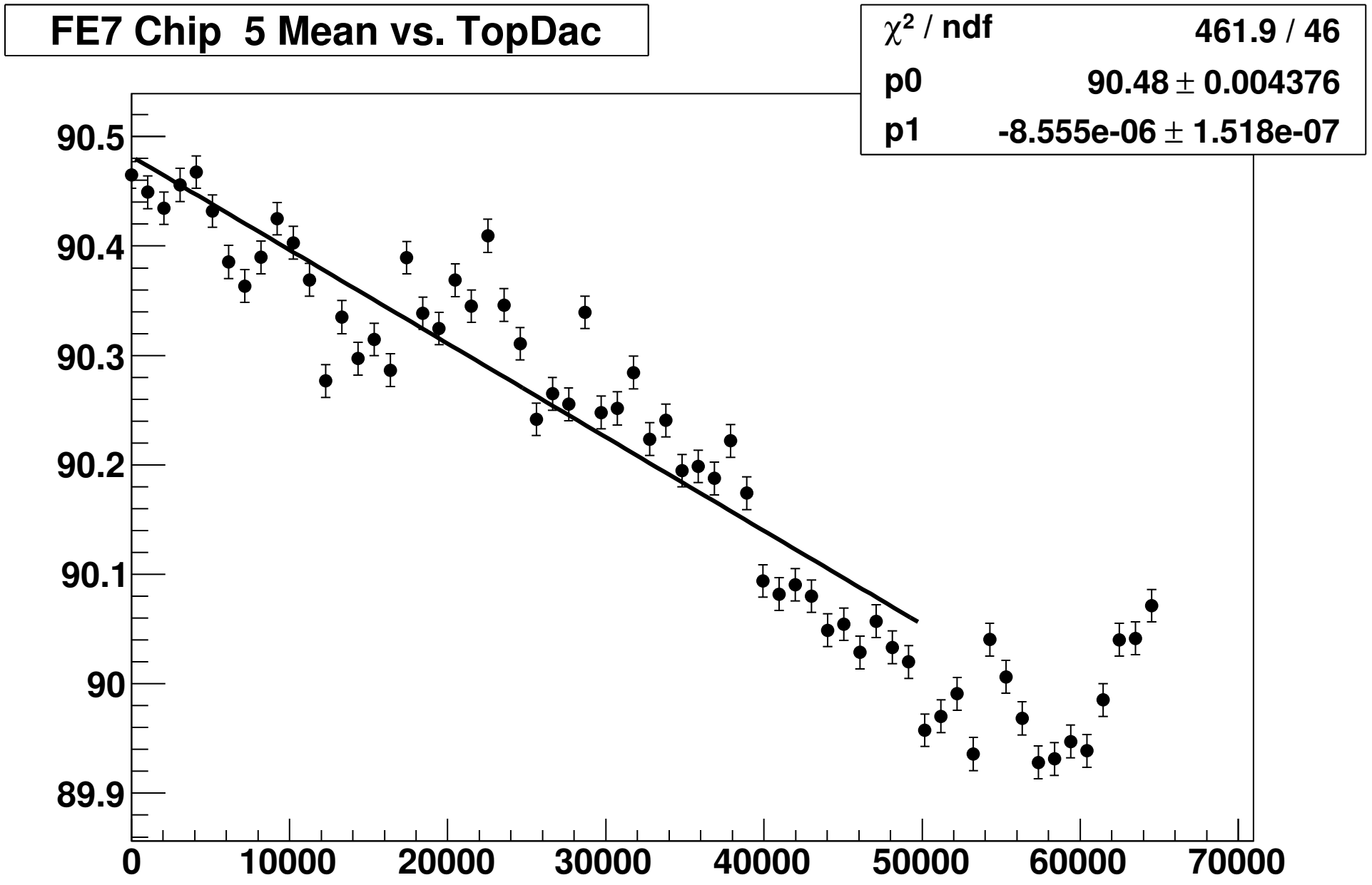

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1336 / 46
p0 1.323 ± 0.002543
p1 3.499e-05 ± 1.337e-07
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

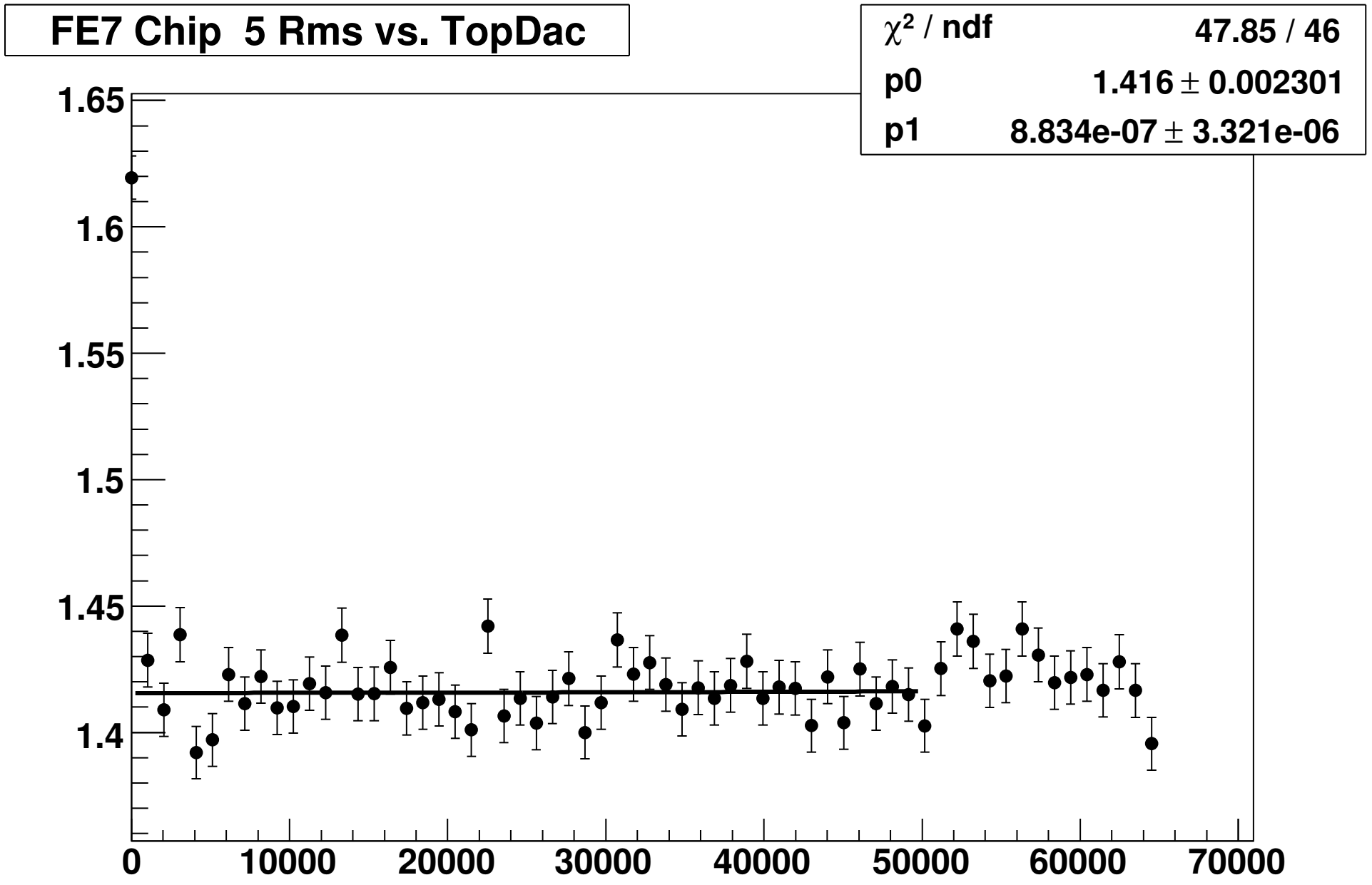

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 866.7 / 46
p0 94.41 ± 0.004406
p1 -8.023e-06 ± 1.526e-07
94.4
94.3
94.2
94.1
94
93.9
93.8
0
10000
20000
30000
40000
50000
60000
70000

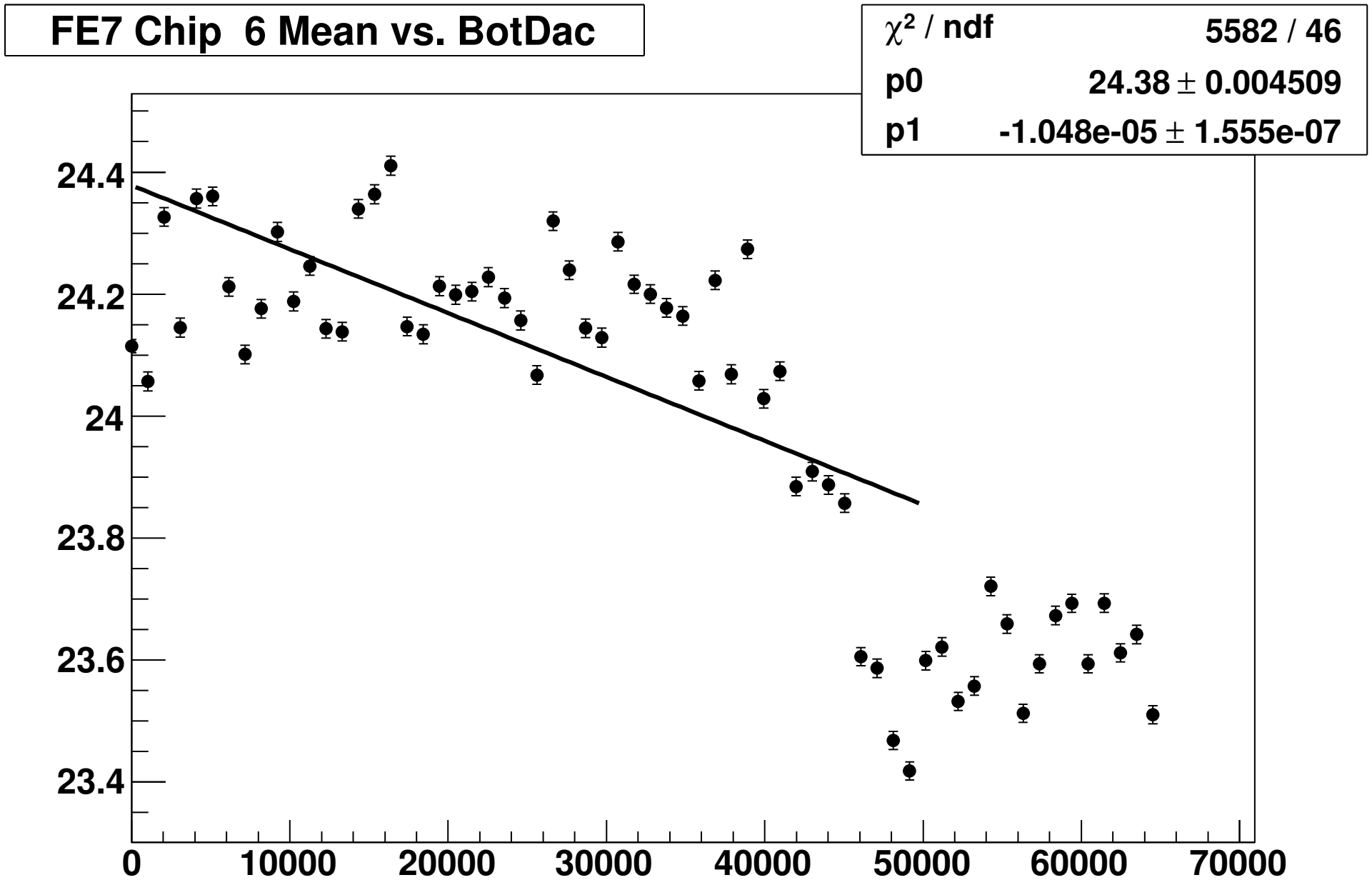

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 44.72 / 46
p0 1.423 ± 0.001533
p1 3.498e-14 ± 1.231e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

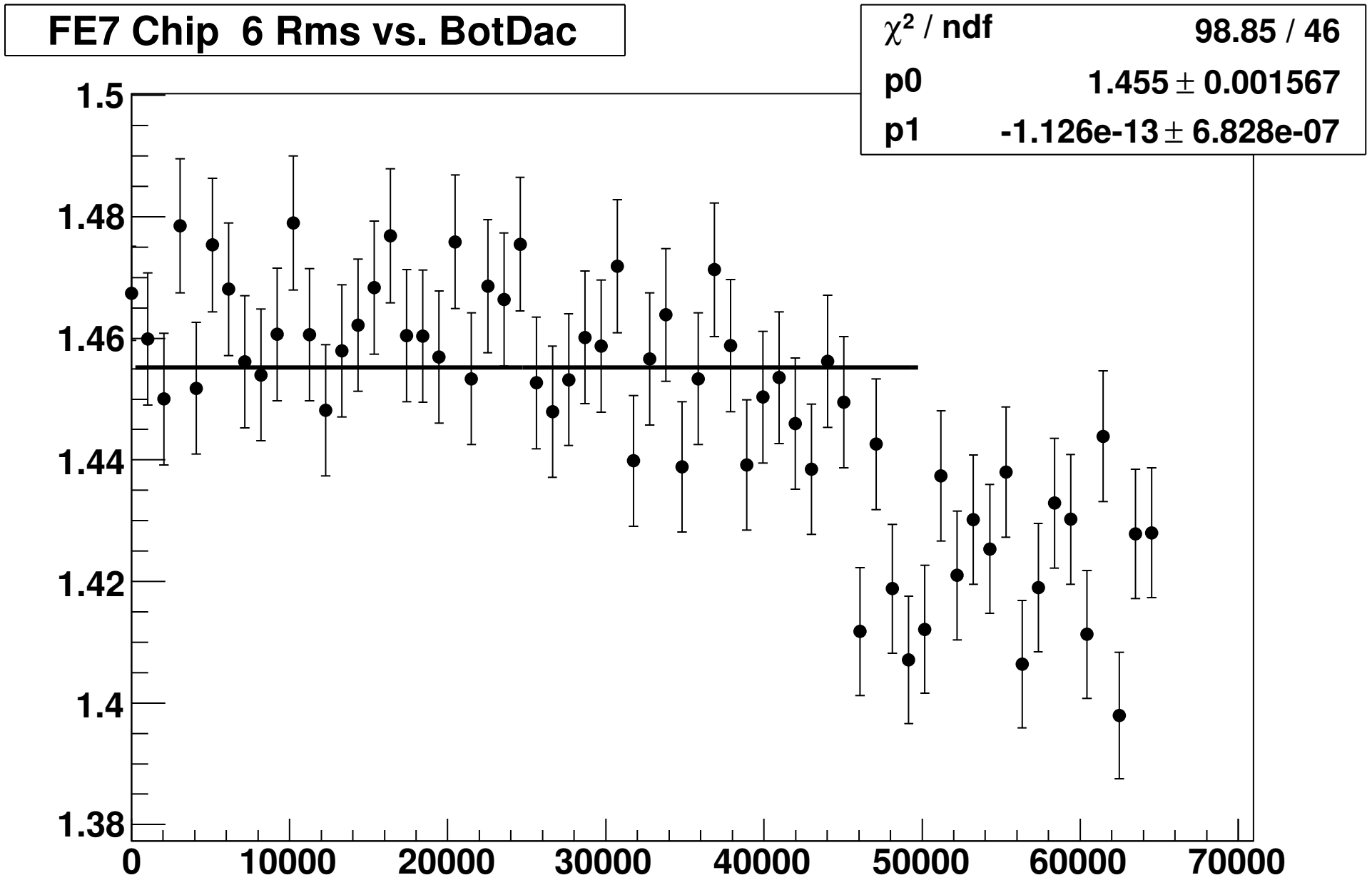

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.28e+05 / 46
p0 89.47 ± 0.004507
p1 0.4508 ± 1.802e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

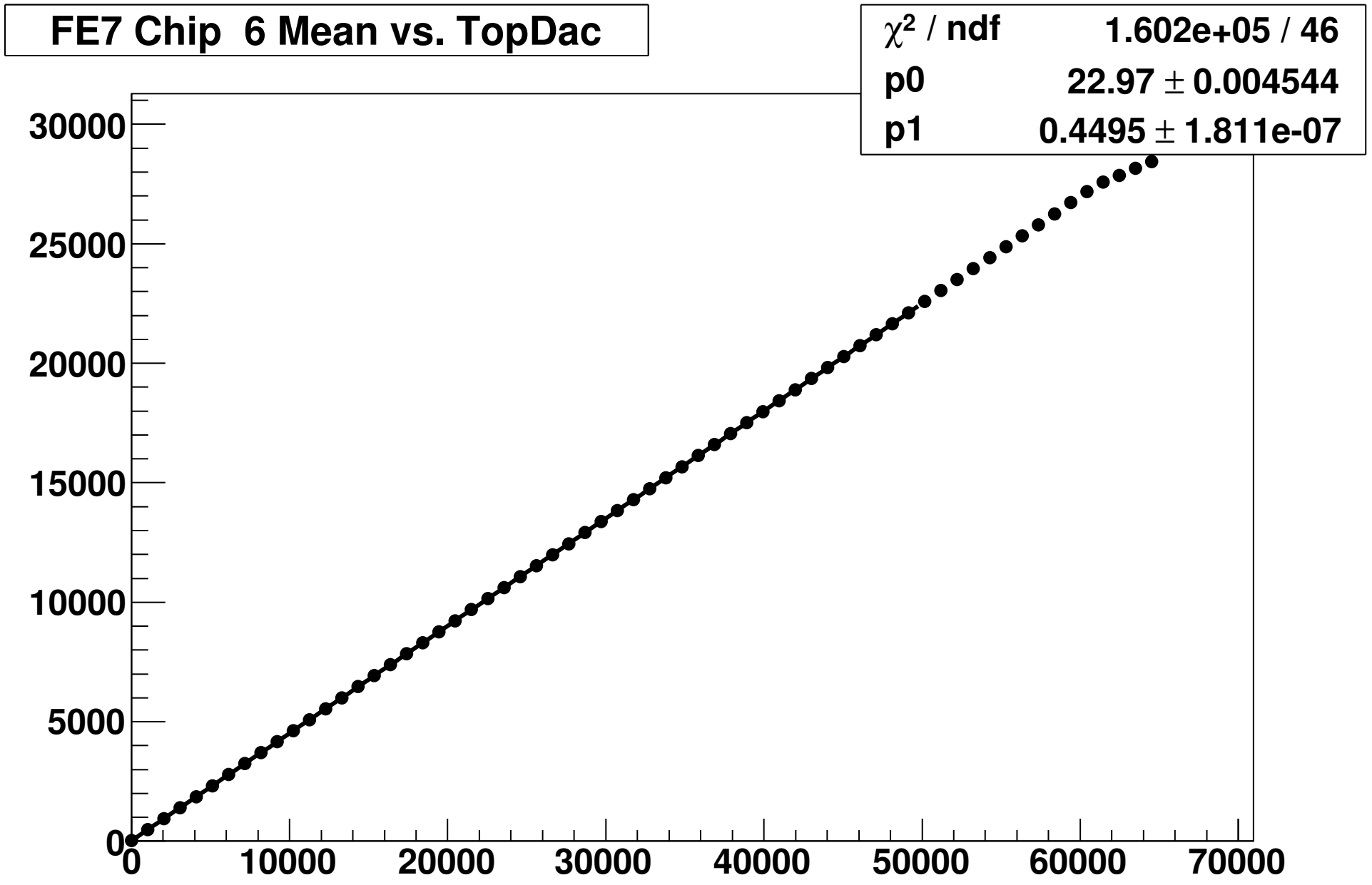

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 811.4 / 46
p0 1.321 ± 0.002527
p1 3.431e-05 ± 1.339e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

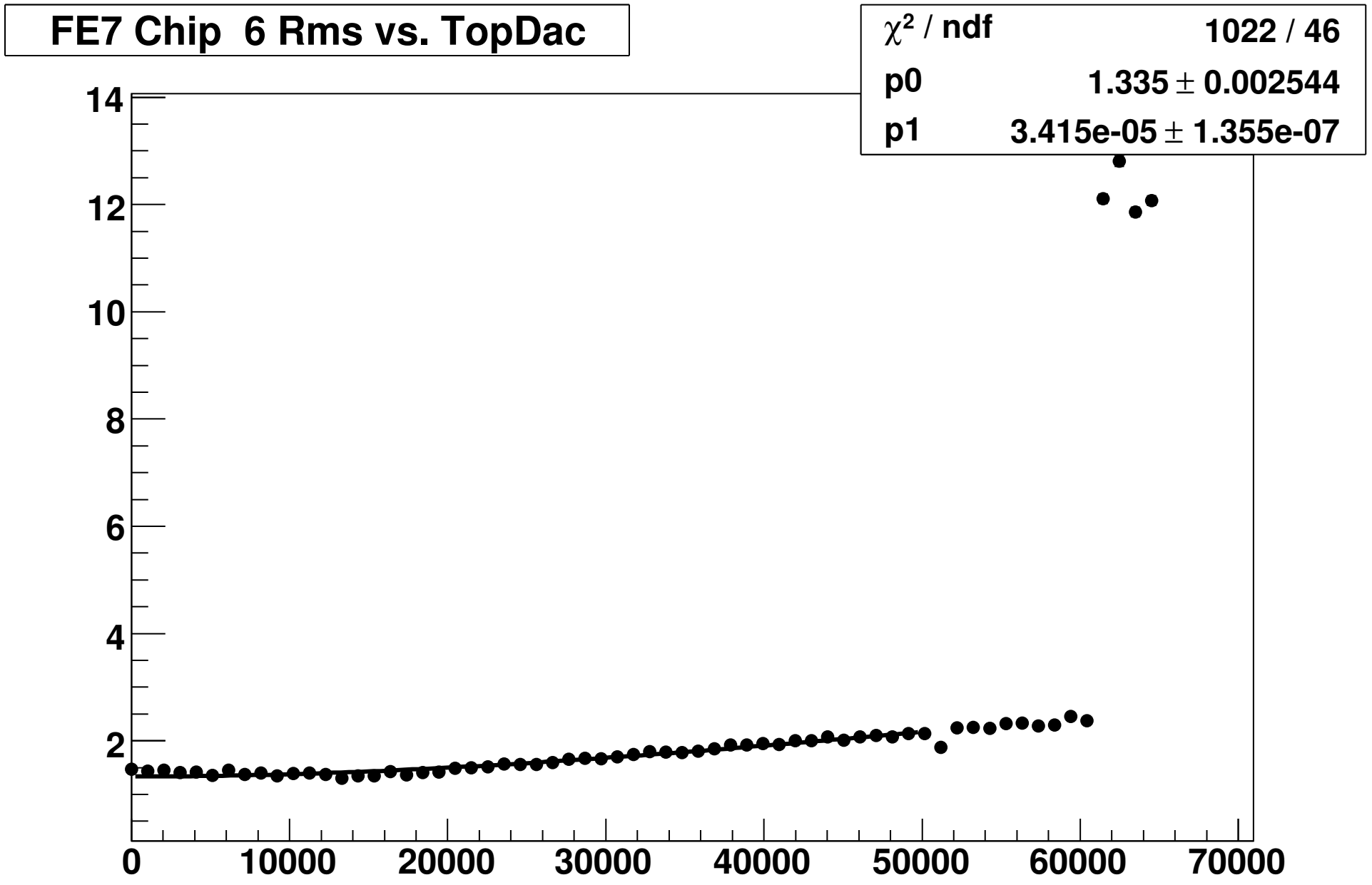

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 461.9 / 46
p0 90.48 ± 0.004376
p1 -8.555e-06 ± 1.518e-07
90.5
90.4
90.3
90.2
90.1
90
89.9
0
10000
20000
30000
40000
50000
60000
70000

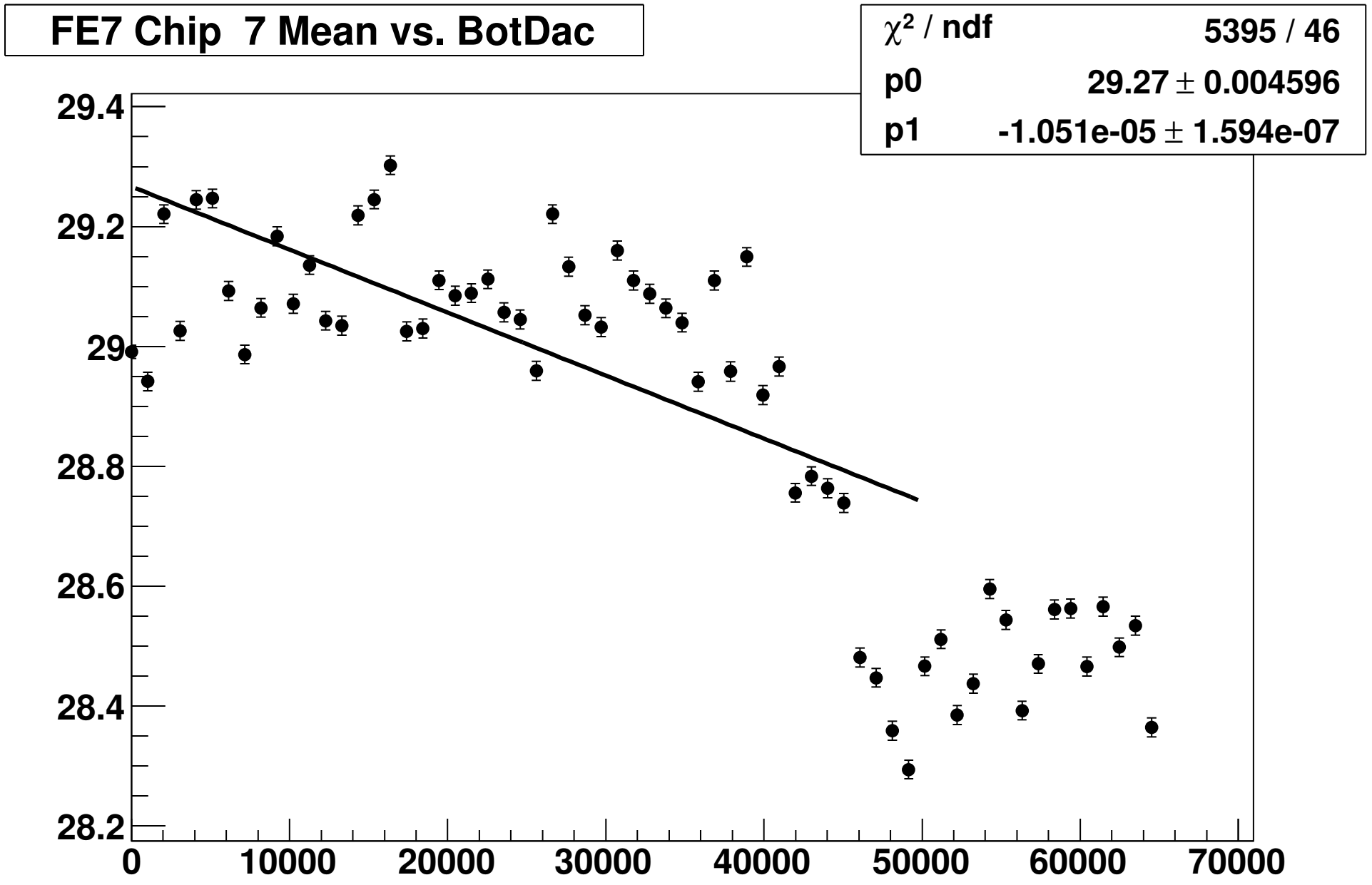

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 47.85 / 46
p0 1.416 ± 0.002301
p1 8.834e-07 ± 3.321e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

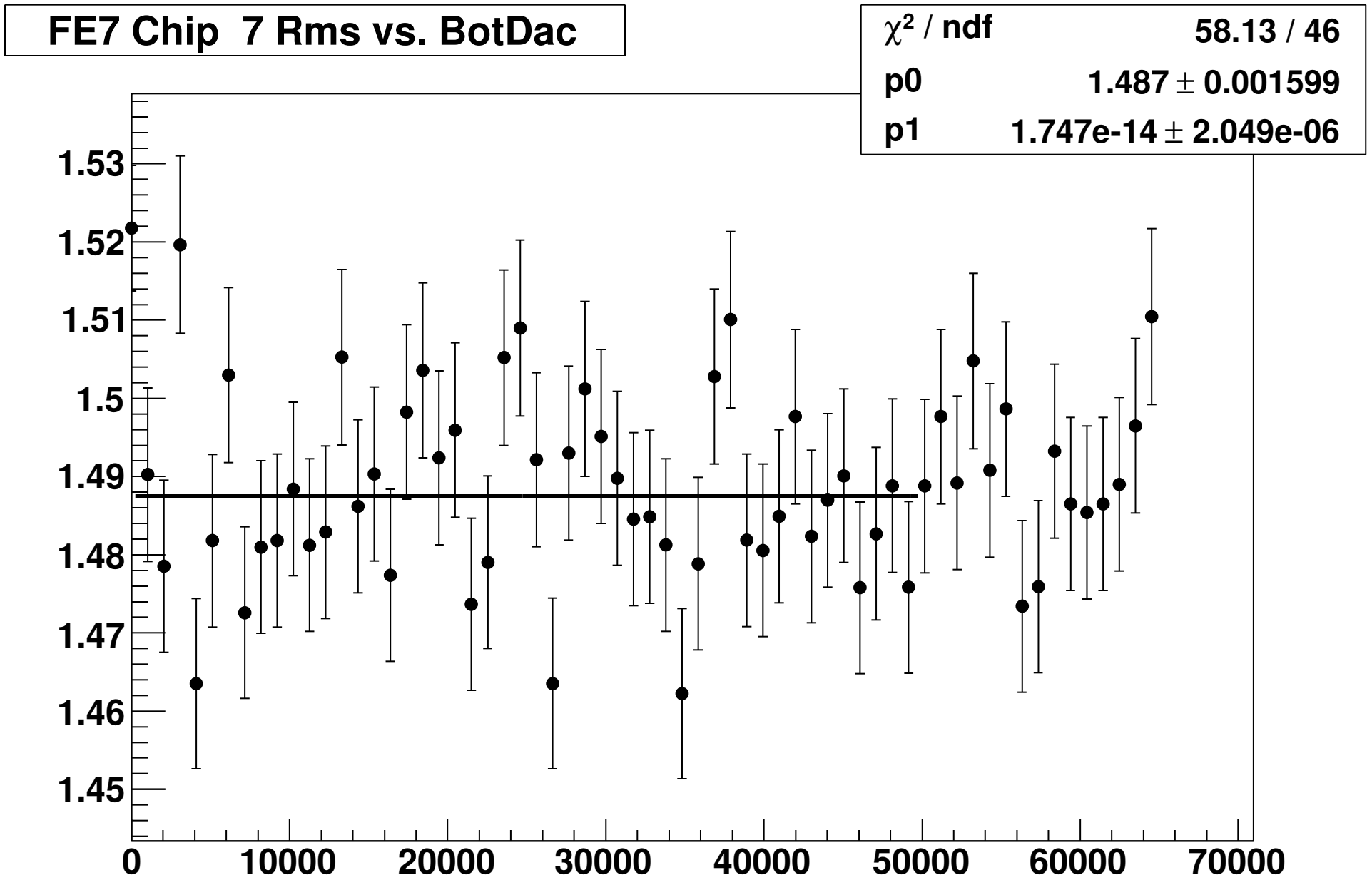

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 5582 / 46
p0 24.38 ± 0.004509
p1 -1.048e-05 ± 1.555e-07
24.4
24.2
24
23.8
23.6
23.4
0
10000
20000
30000
40000
50000
60000
70000

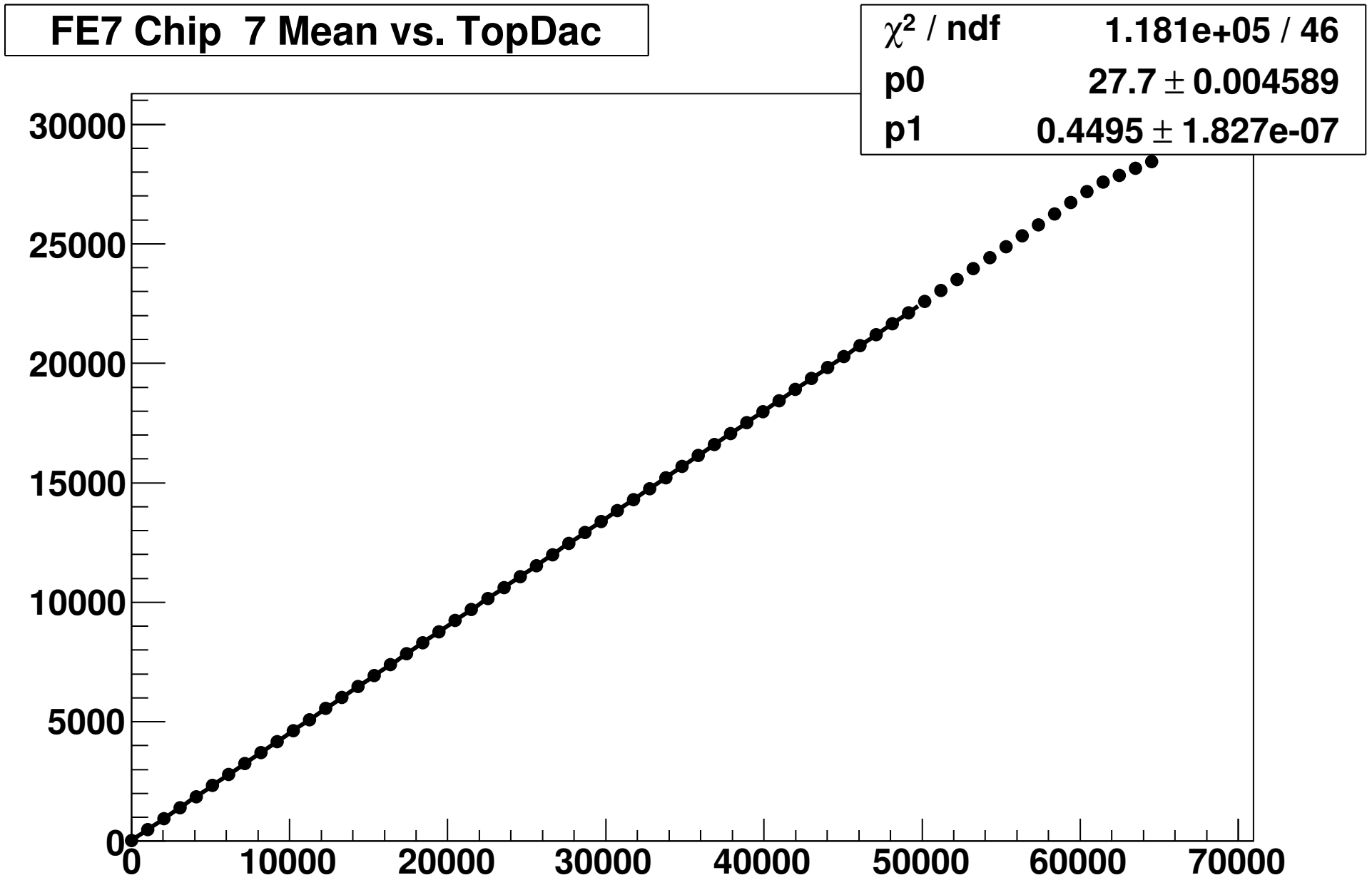

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 98.85 / 46
p0 1.455 ± 0.001567
p1 -1.126e-13 ± 6.828e-07
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

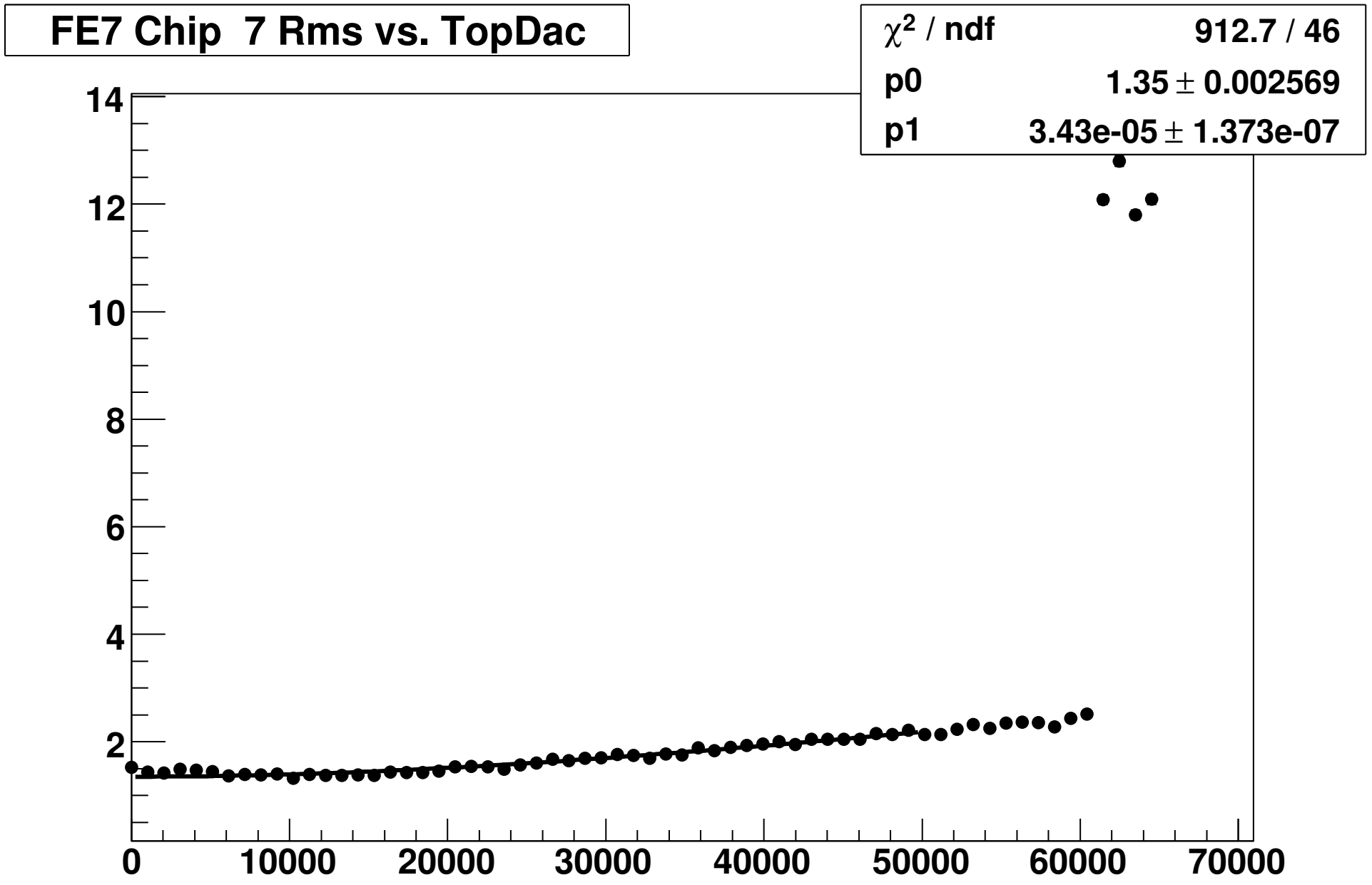

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.602e+05 / 46
p0 22.97 ± 0.004544
p1 0.4495 ± 1.811e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

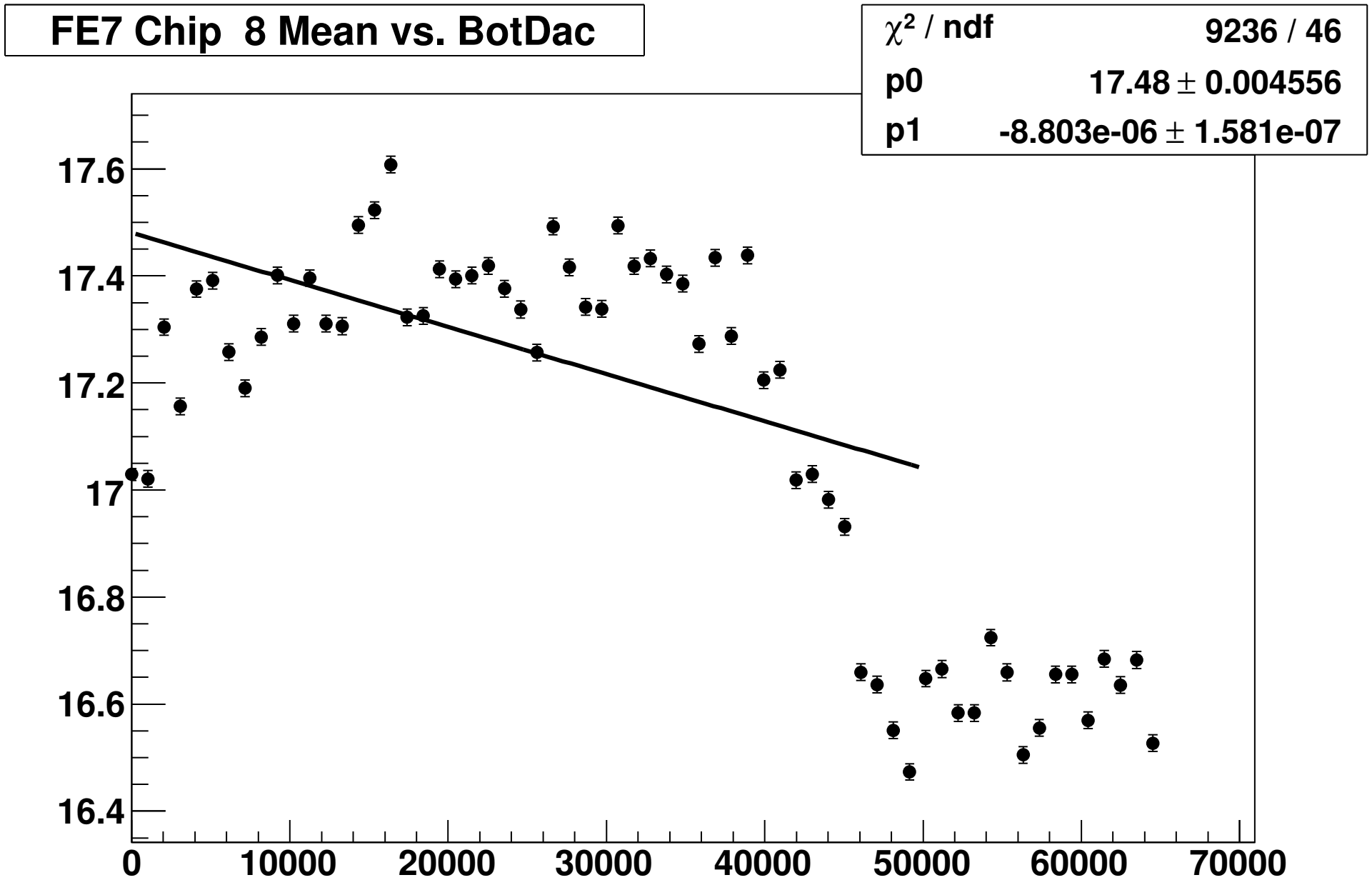

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1022 / 46
p0 1.335 ± 0.002544
p1 3.415e-05 ± 1.355e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

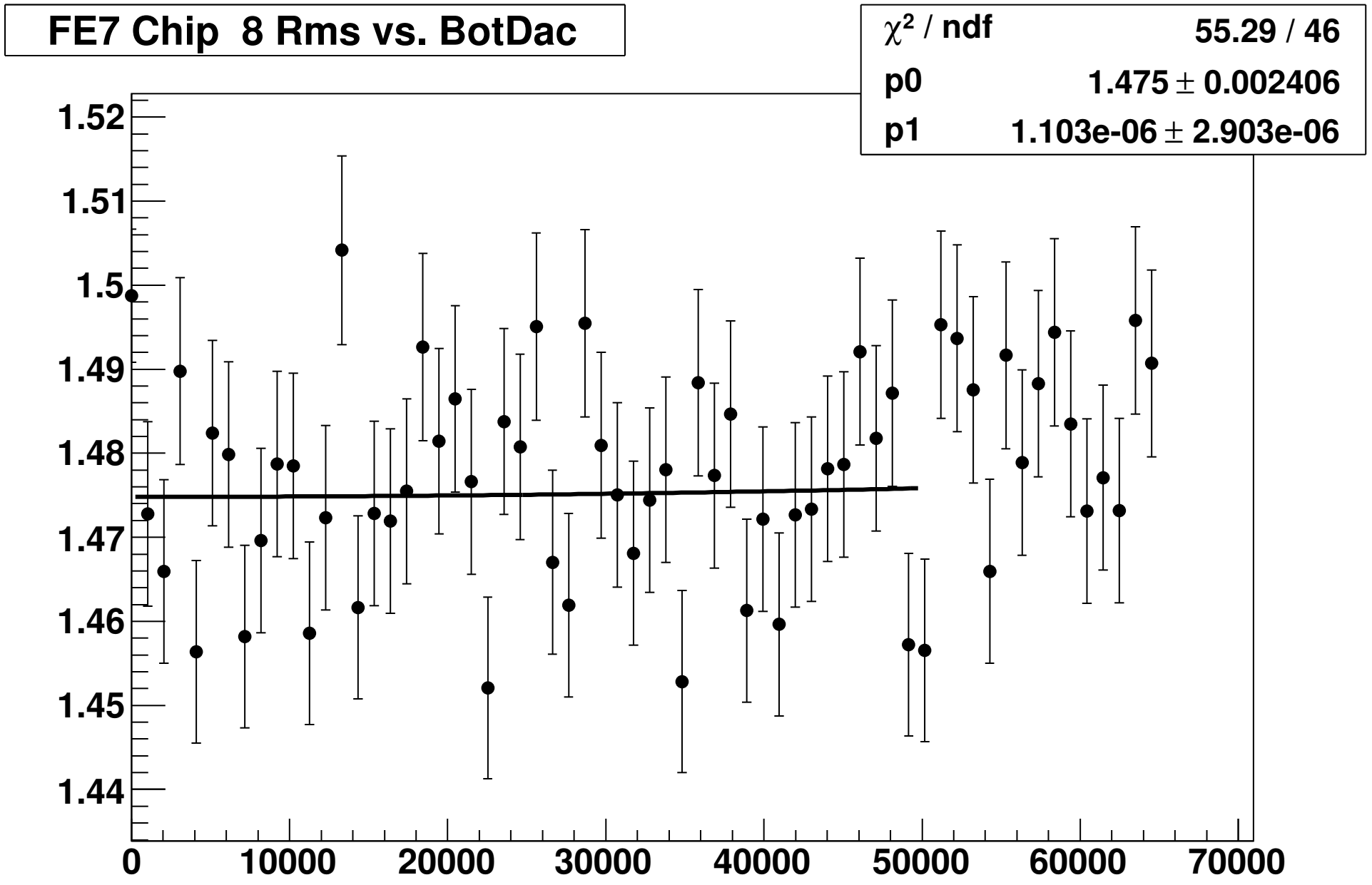

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 5395 / 46
p0 29.27 ± 0.004596
p1 -1.051e-05 ± 1.594e-07
29.4
29.2
29
28.8
28.6
28.4
28.2
0
10000
20000
30000
40000
50000
60000
70000

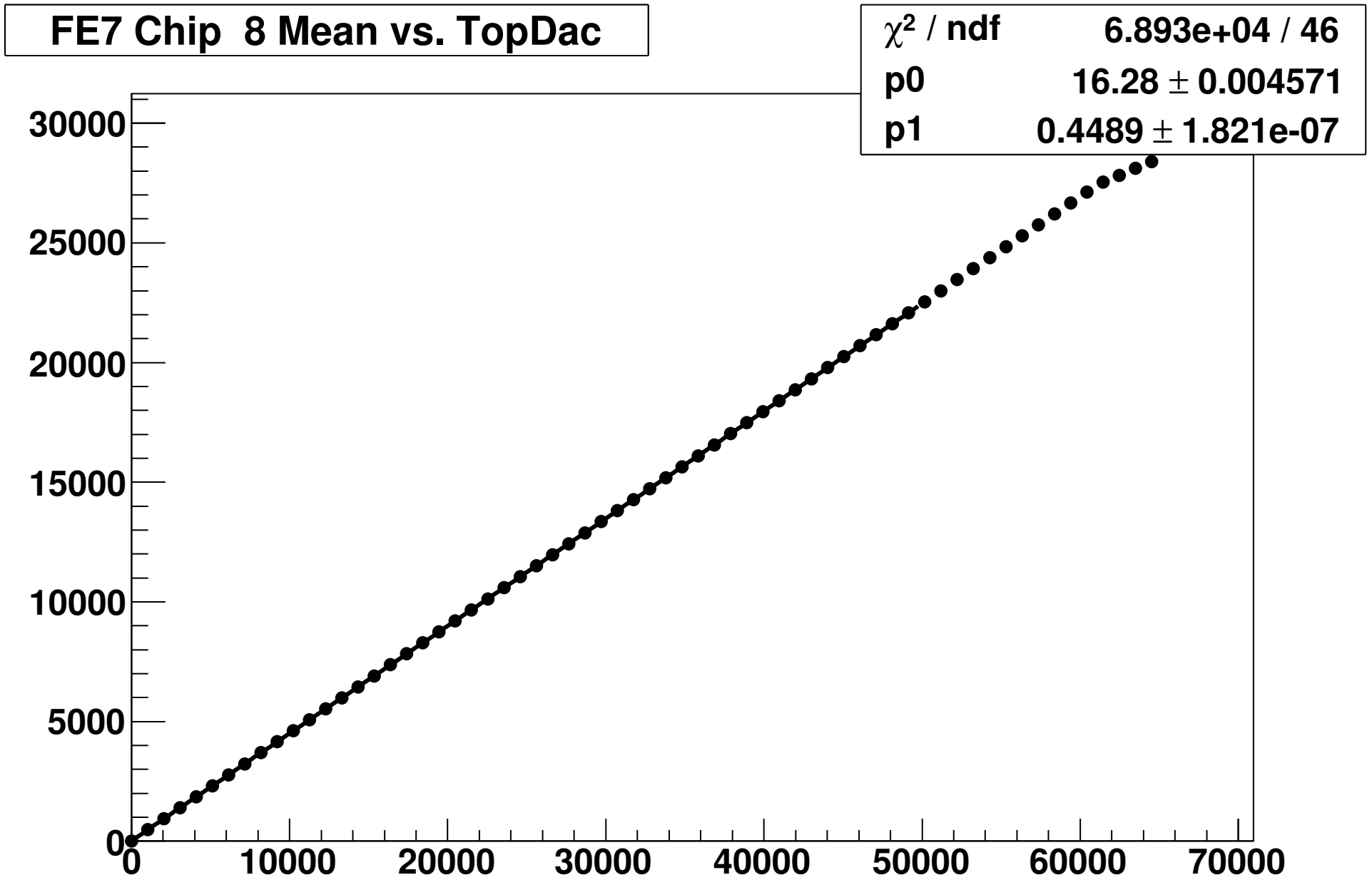

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 58.13 / 46
p0 1.487 ± 0.001599
p1 1.747e-14 ± 2.049e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

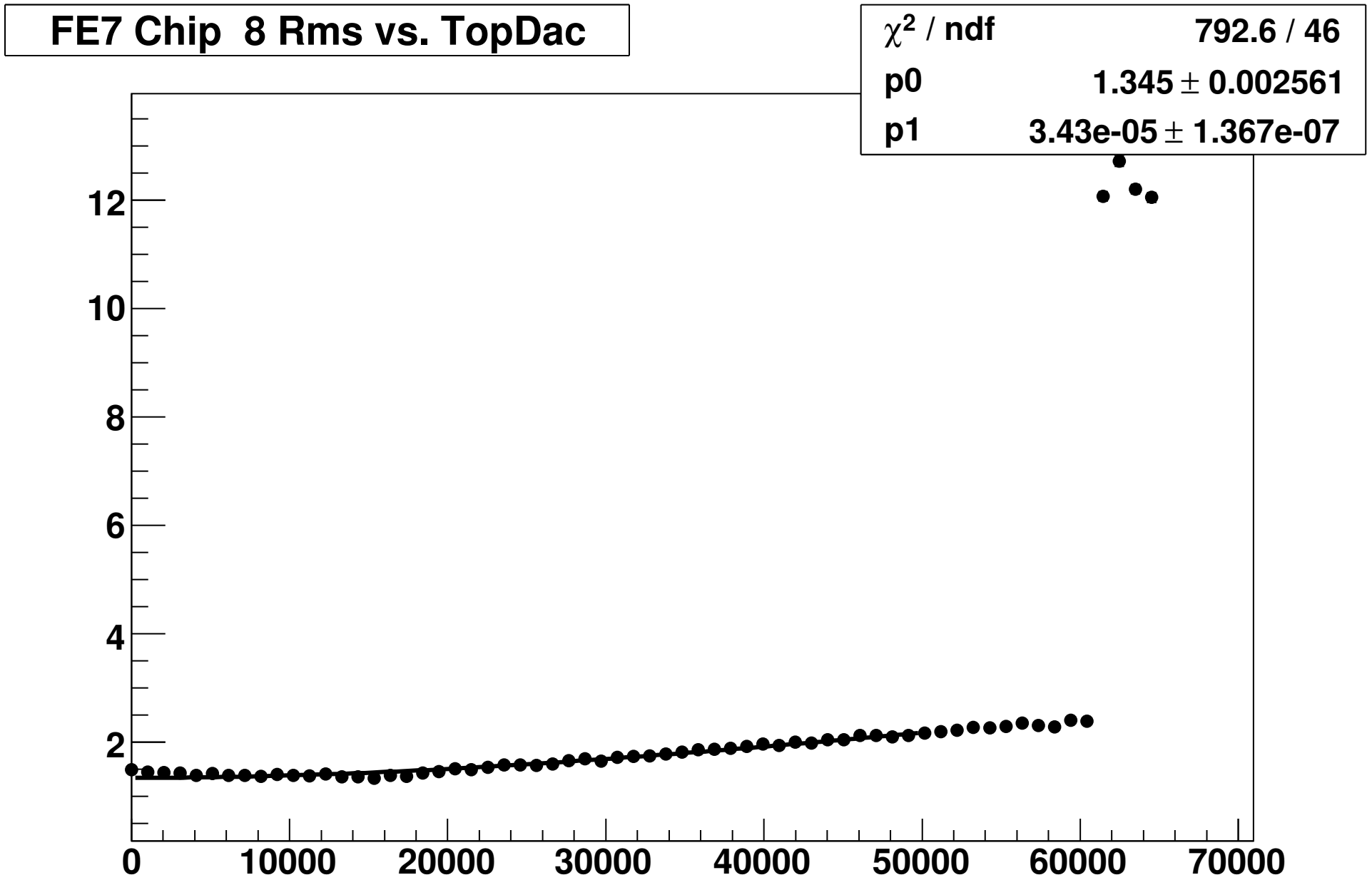

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.181e+05 / 46
p0 27.7 ± 0.004589
p1 0.4495 ± 1.827e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

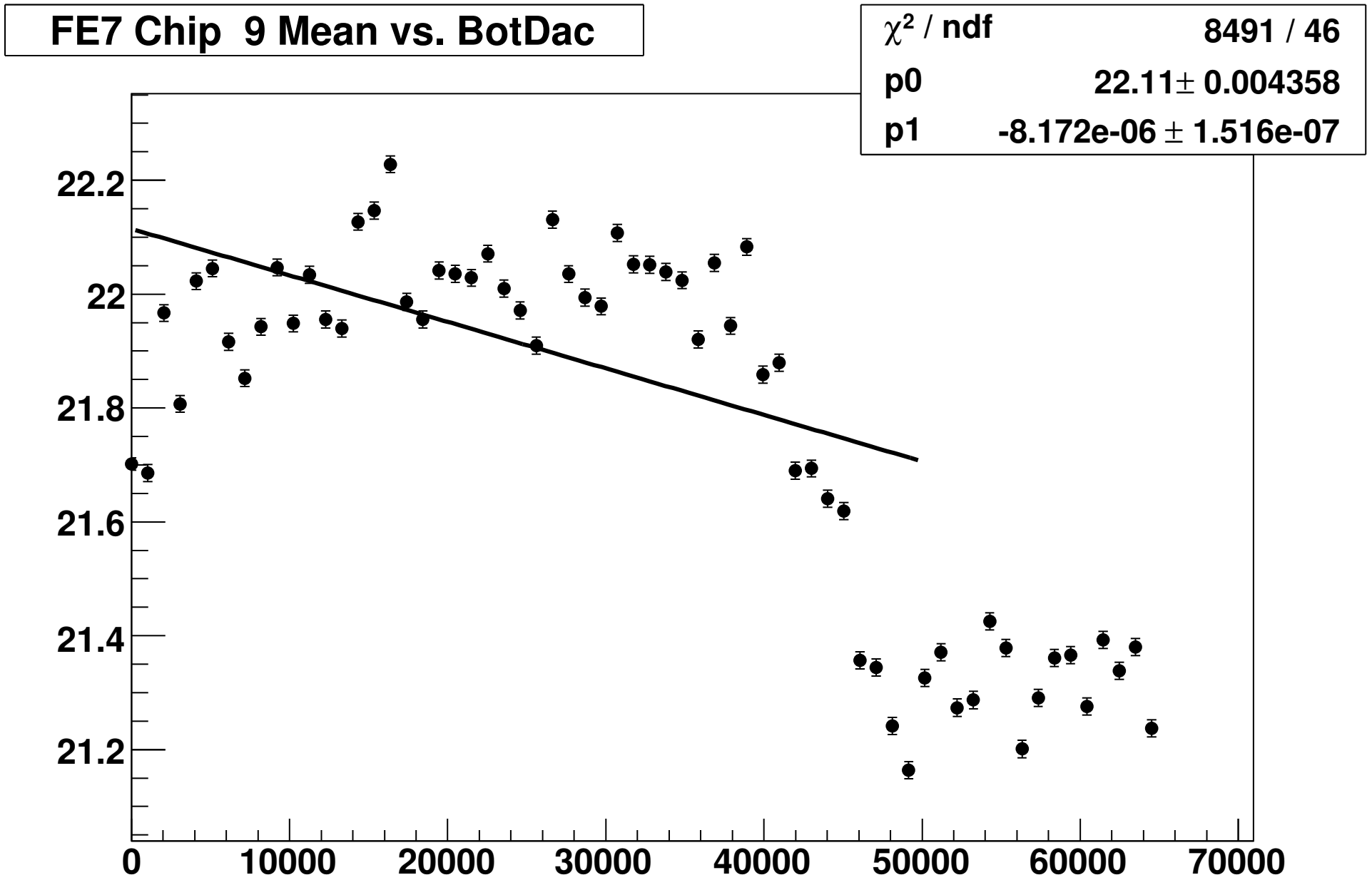

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 912.7 / 46
p0 1.35 ± 0.002569
p1 3.43e-05 ± 1.373e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

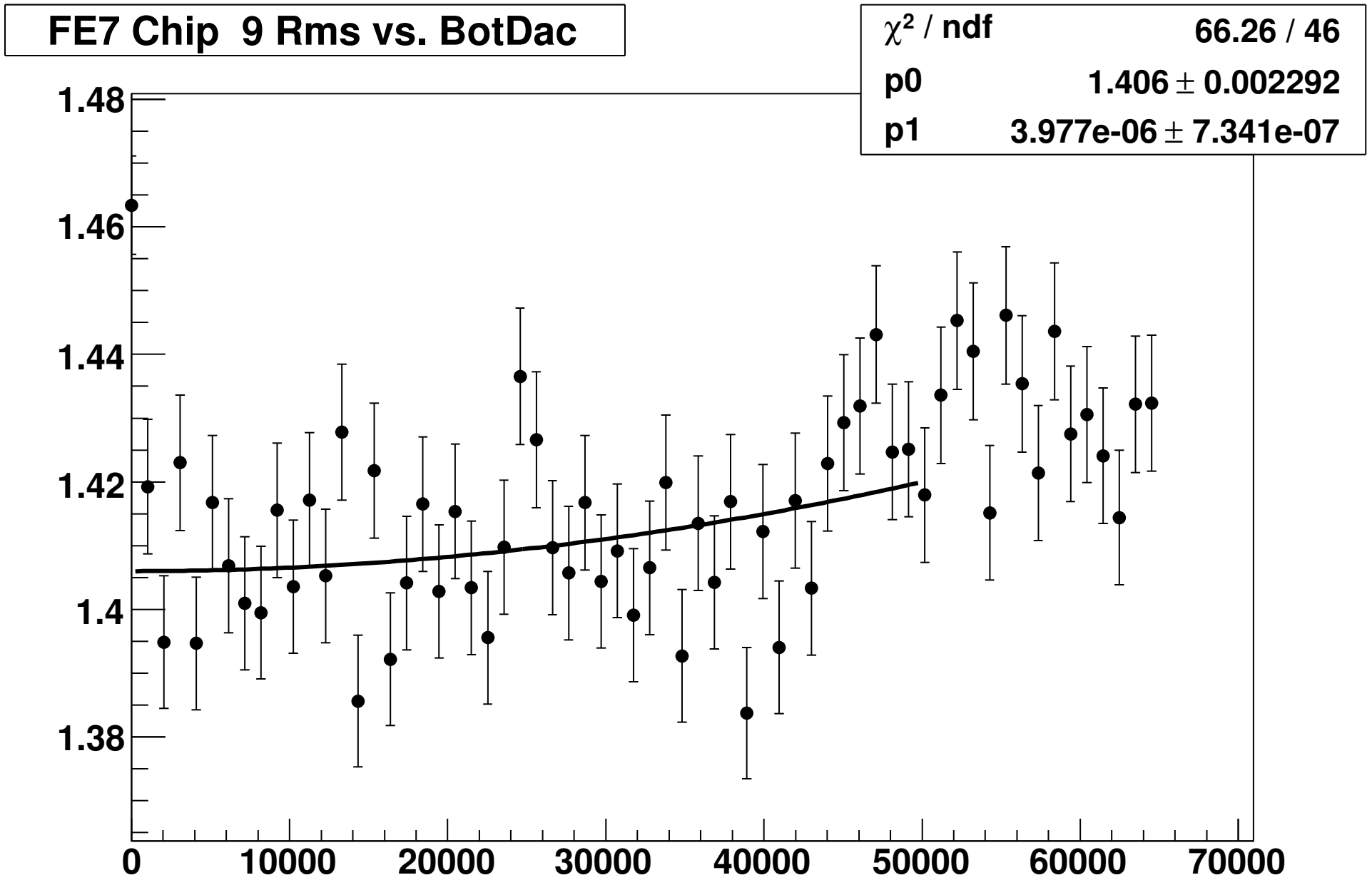

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 9236 / 46
p0 17.48 ± 0.004556
p1 -8.803e-06 ± 1.581e-07
17.6
17.4
17.2
17
16.8
16.6
16.4
0
10000
20000
30000
40000
50000
60000
70000

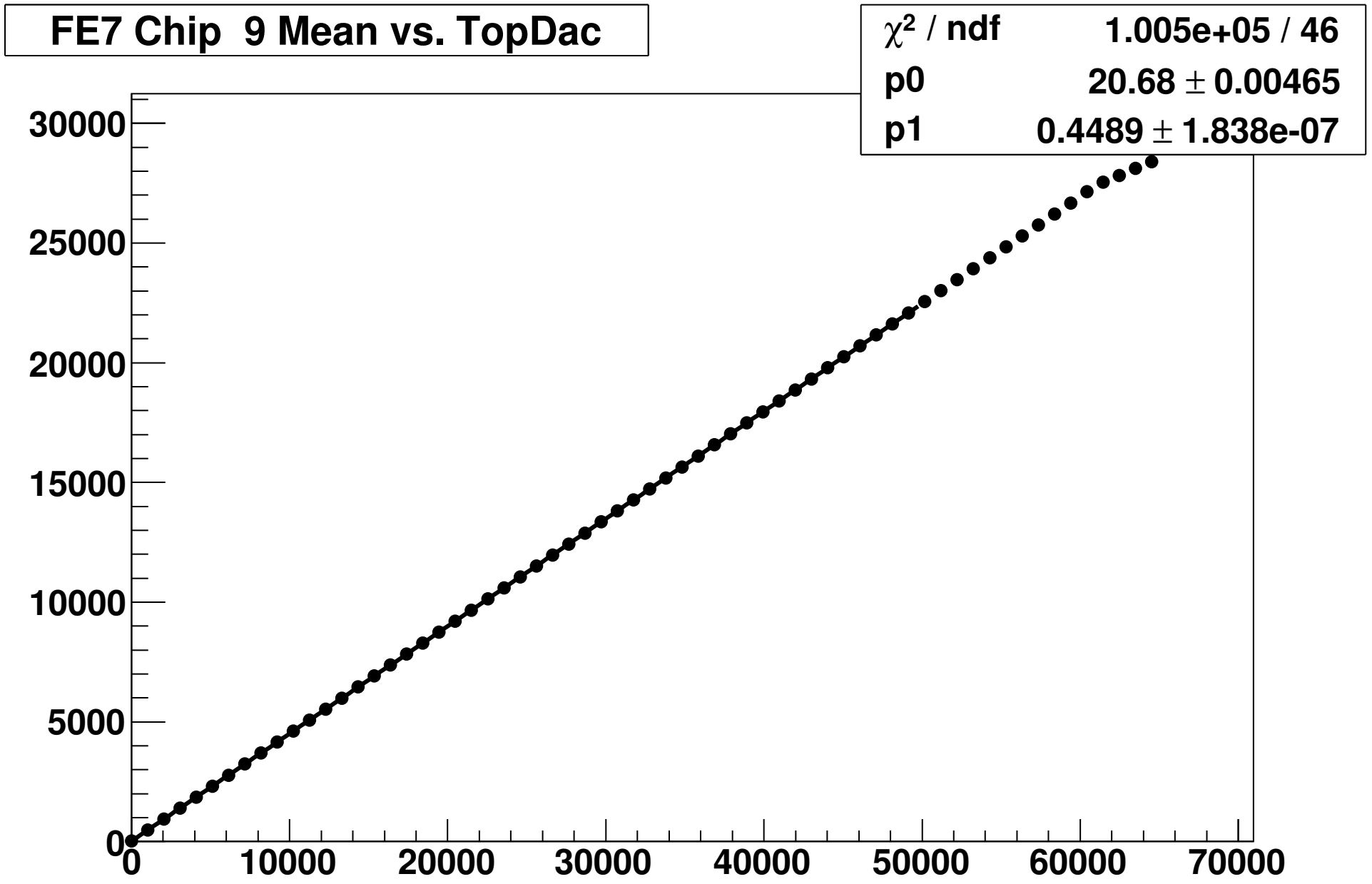

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 55.29 / 46
p0 1.475 ± 0.002406
p1 1.103e-06 ± 2.903e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

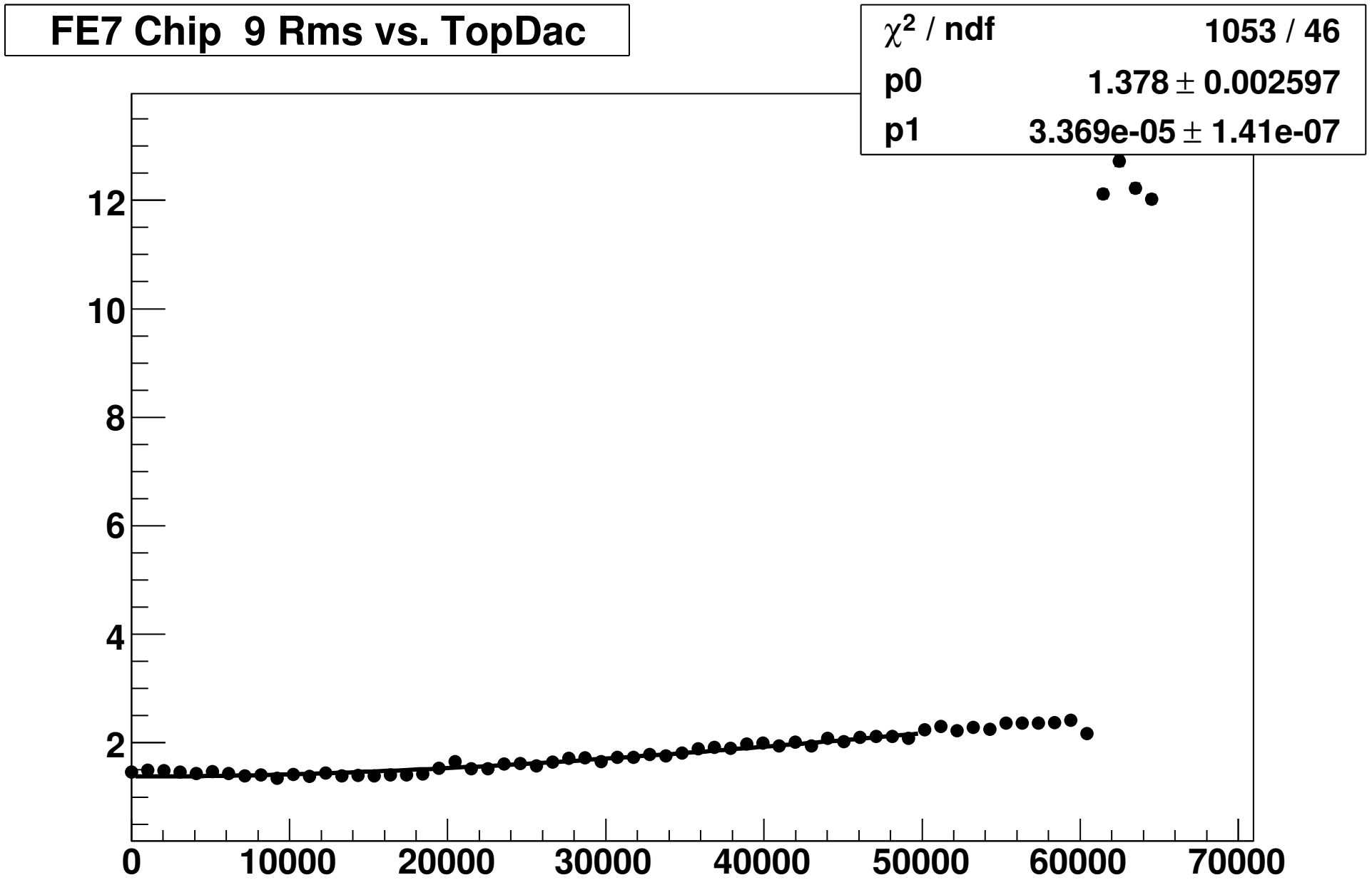

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 6.893e+04 / 46
p0 16.28 ± 0.004571
p1 0.4489 ± 1.821e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

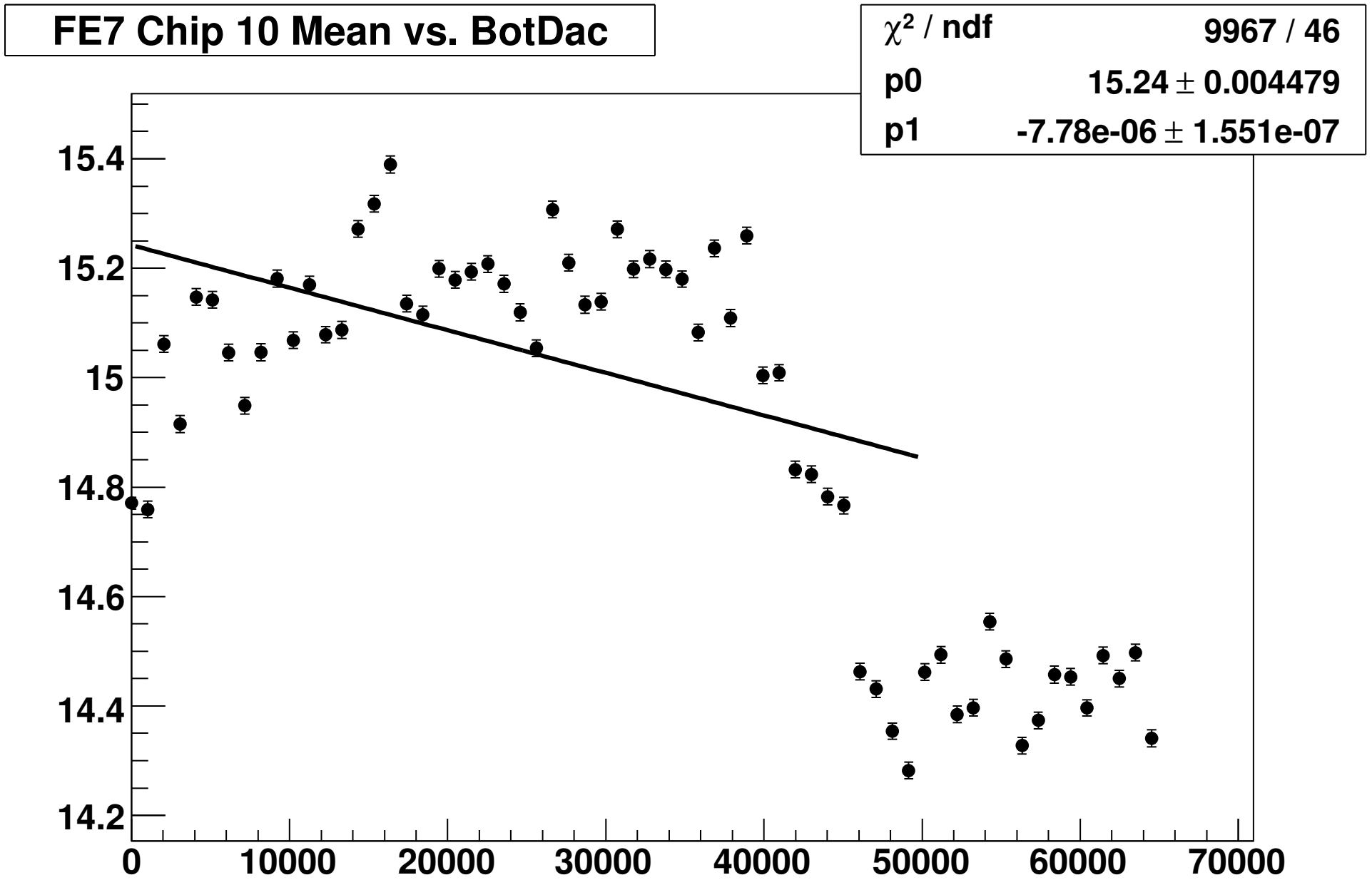

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 792.6 / 46
p0 1.345 ± 0.002561
p1 3.43e-05 ± 1.367e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

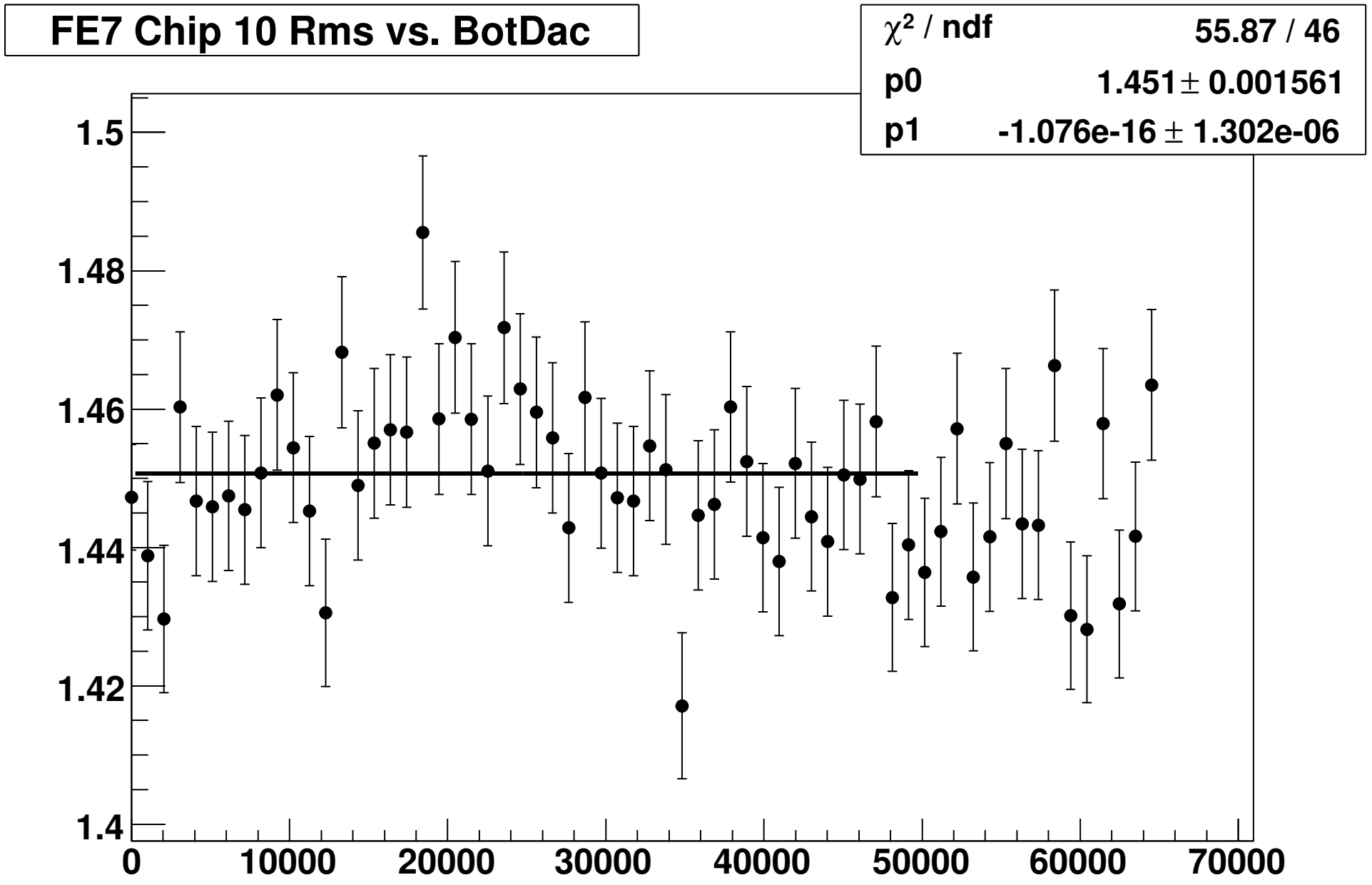

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 8491 / 46
p0 22.11 ± 0.004358
p1 -8.172e-06 ± 1.516e-07
22.2
22
21.8
21.6
21.4
21.2
0
10000
20000
30000
40000
50000
60000
70000

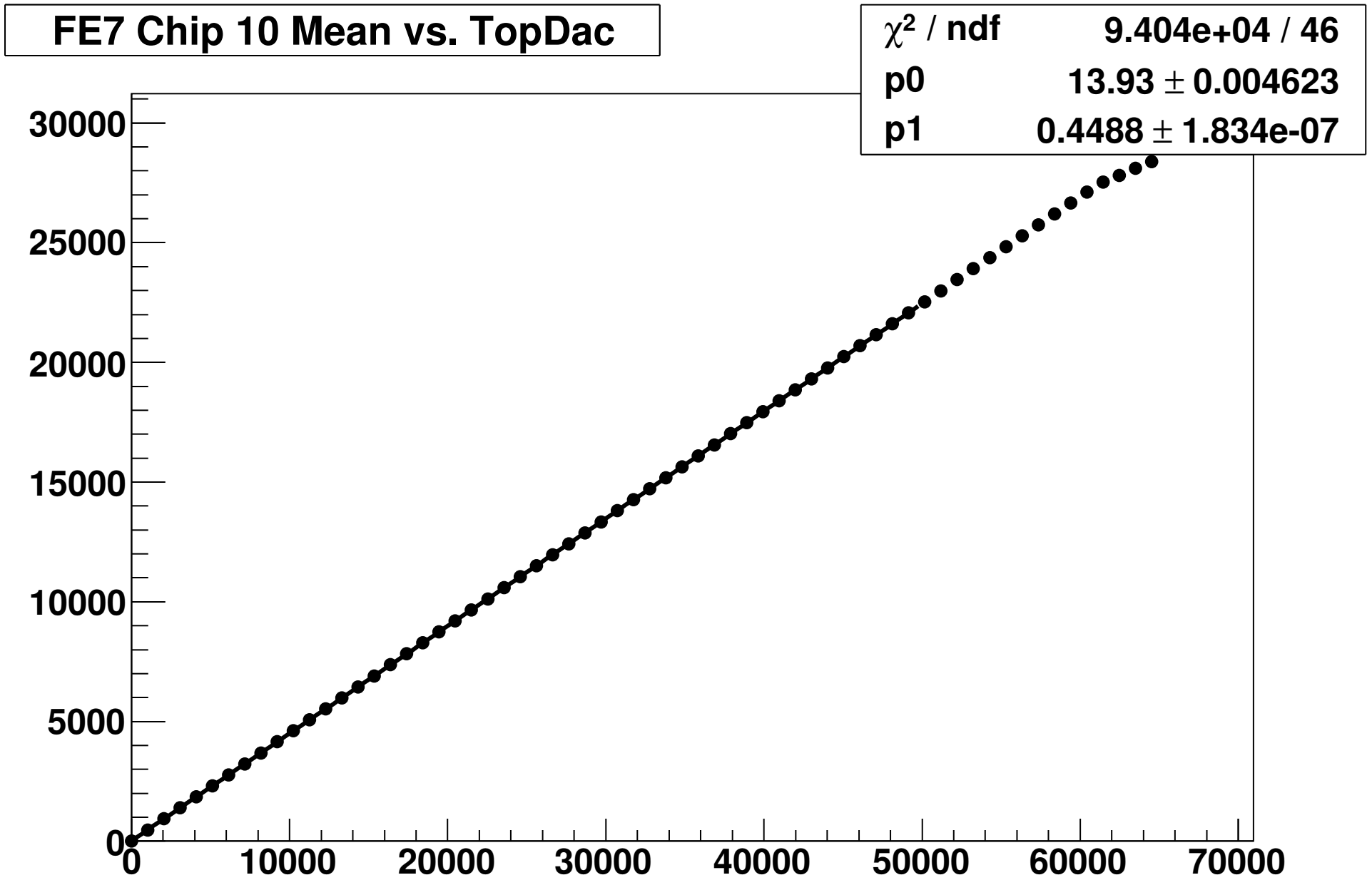

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 66.26 / 46
p0 1.406 ± 0.002292
p1 3.977e-06 ± 7.341e-07
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

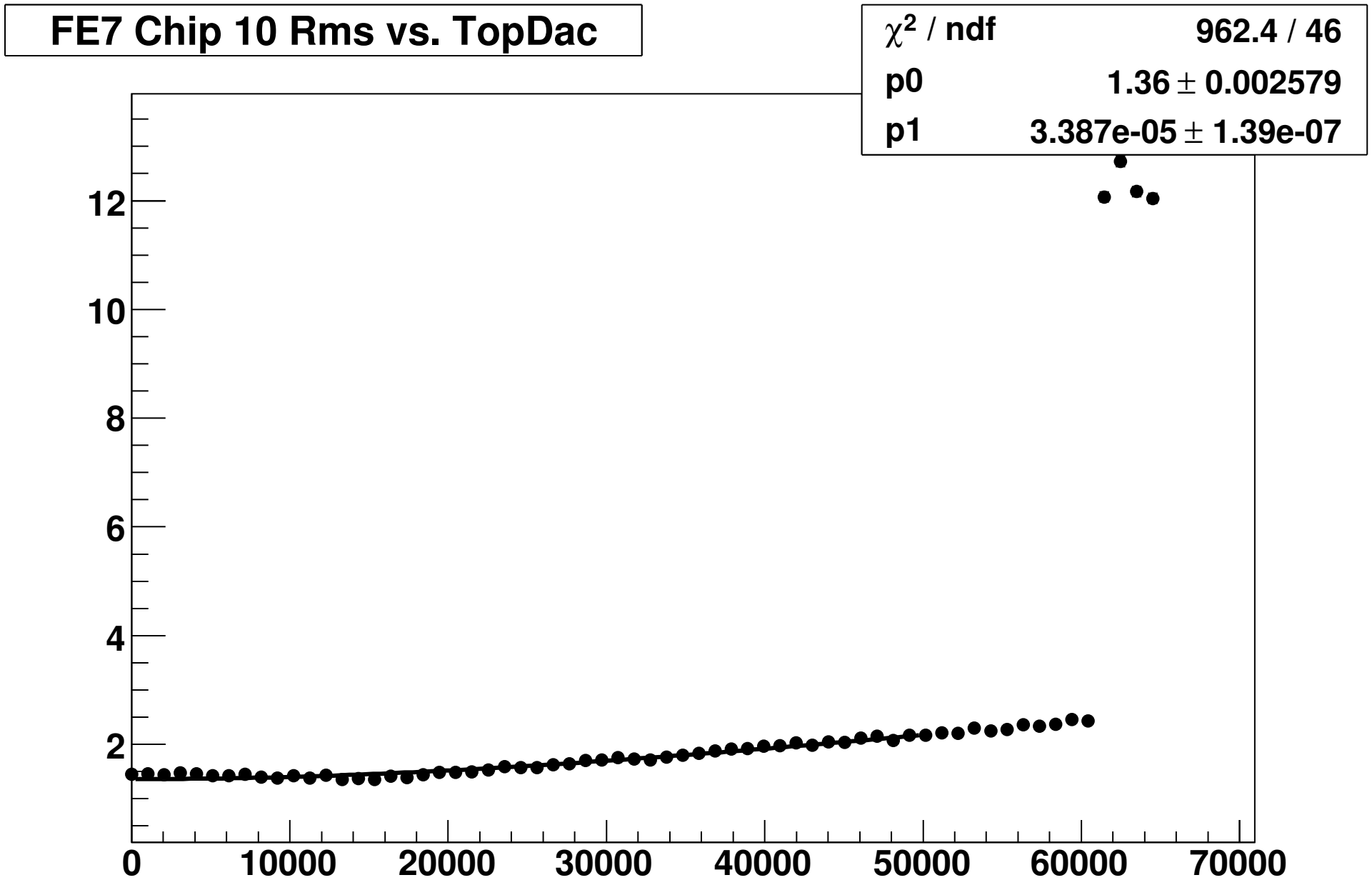

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.005e+05 / 46
p0 20.68 ± 0.00465
p1 0.4489 ± 1.838e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

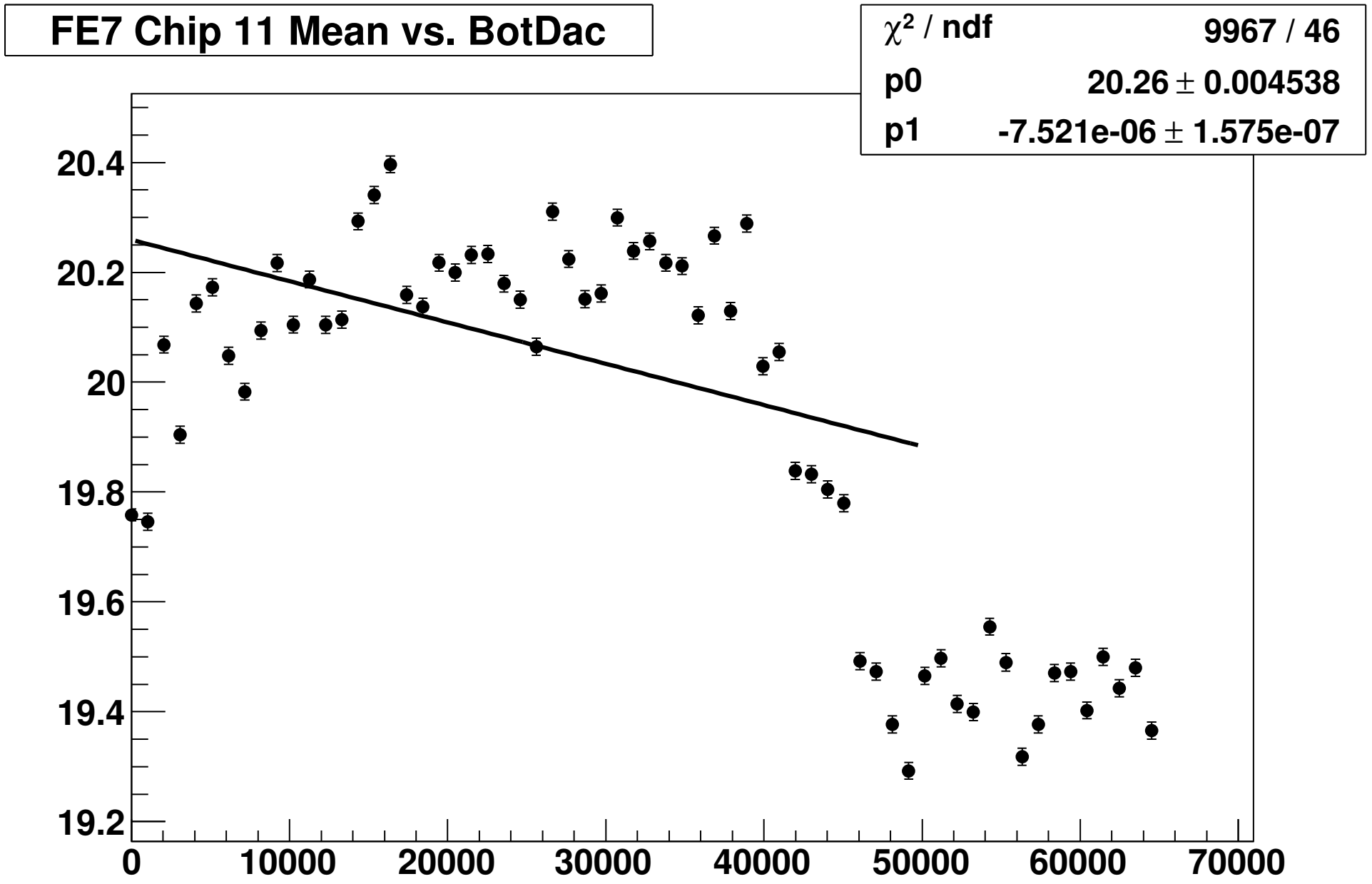

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1053 / 46
p0 1.378 ± 0.002597
p1 3.369e-05 ± 1.41e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

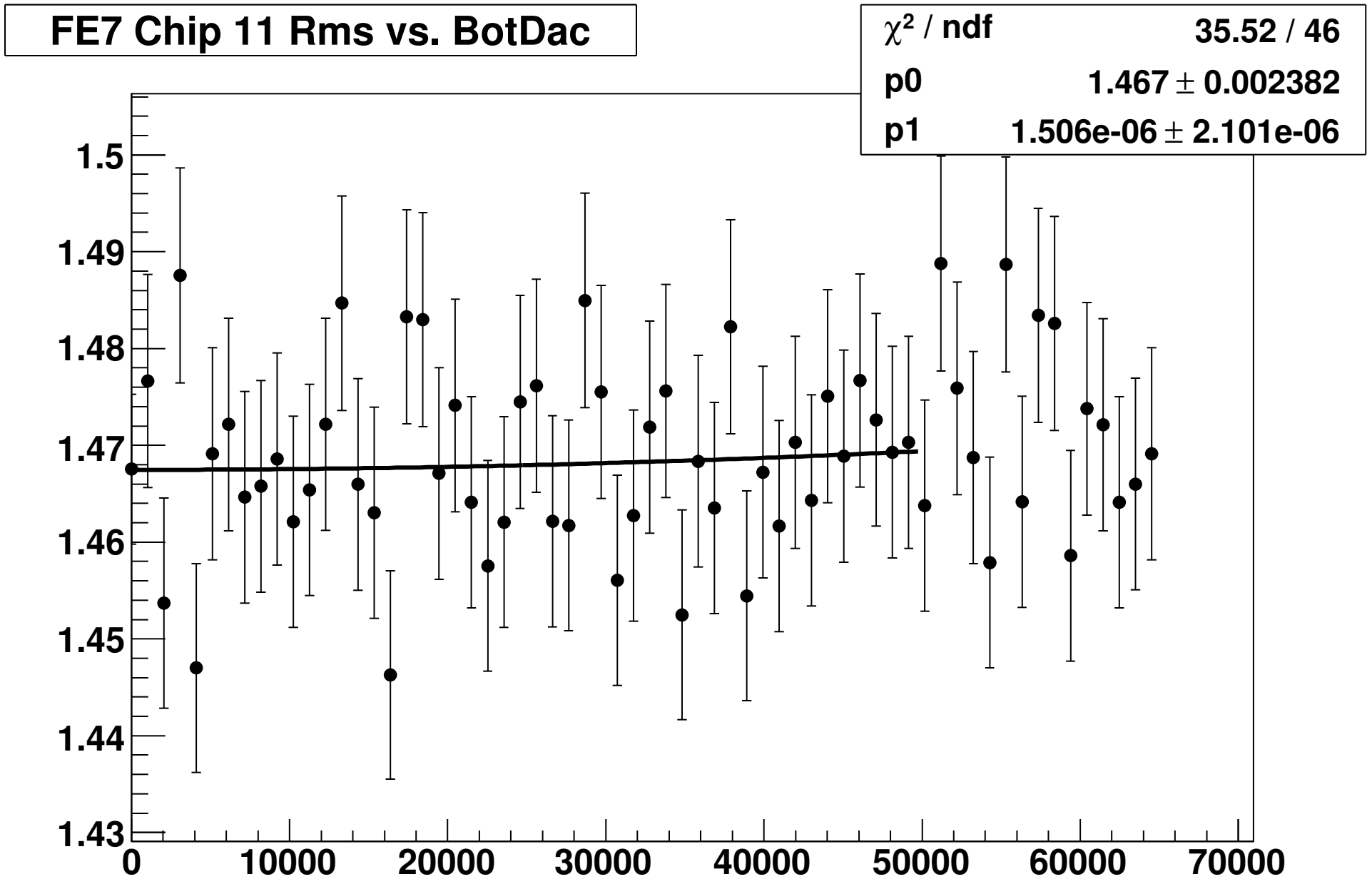

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 9967 / 46
p0 15.24 ± 0.004479
p1 -7.78e-06 ± 1.551e-07
15.4
15.2
15
14.8
14.6
14.4
14.2
0
10000
20000
30000
40000
50000
60000
70000

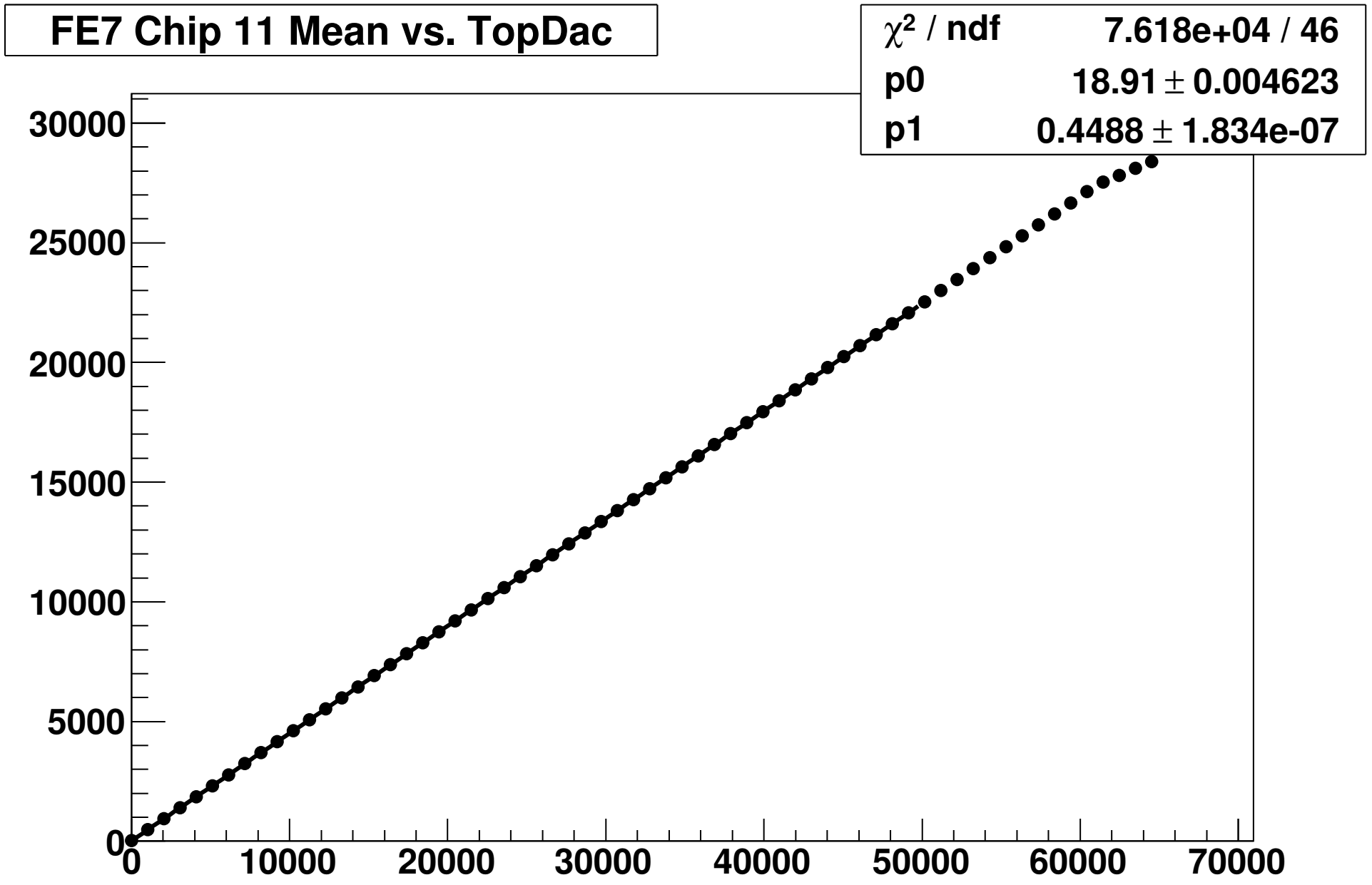

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 55.87 / 46
p0 1.451 ± 0.001561
p1 -1.076e-16 ± 1.302e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

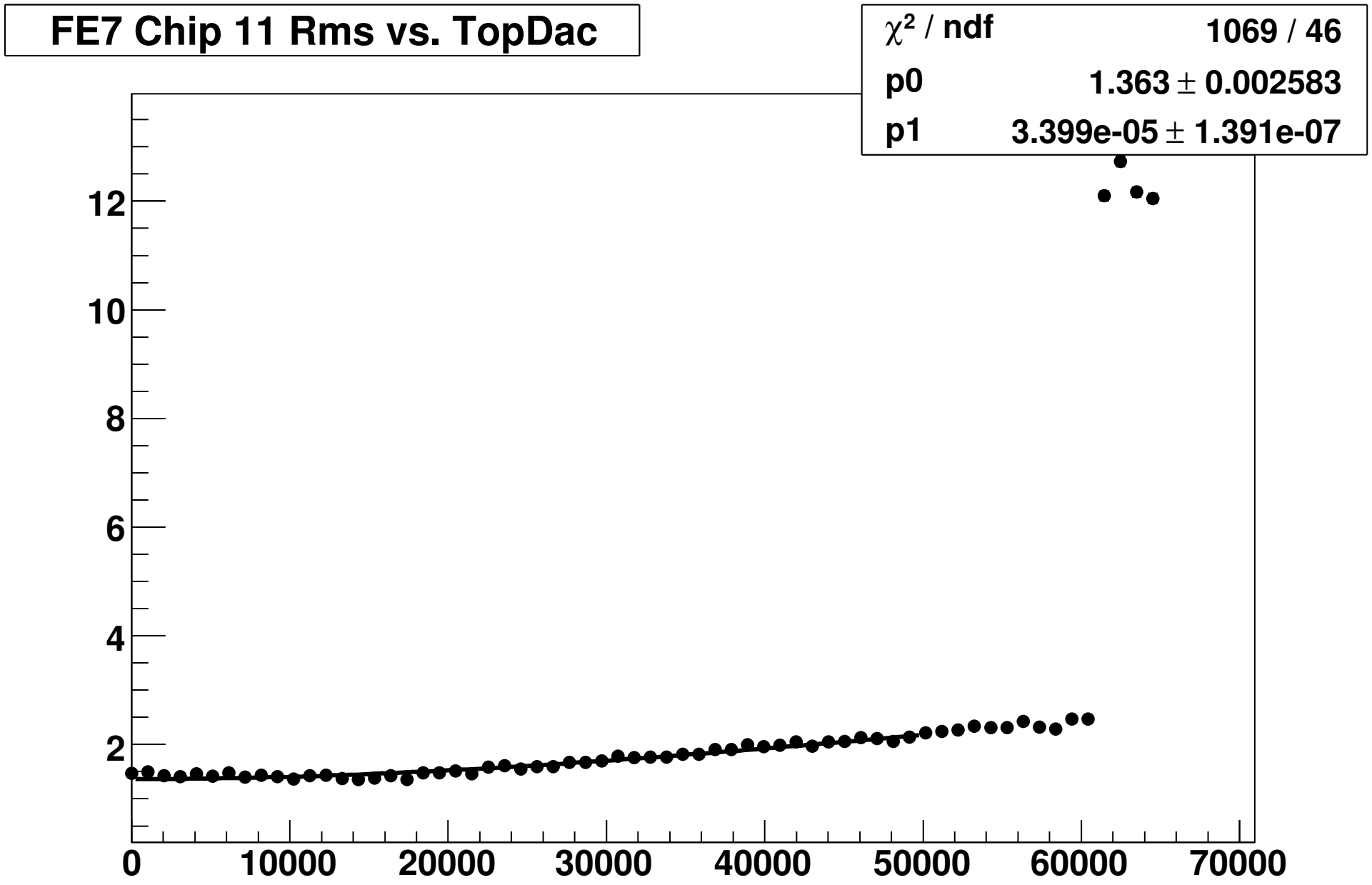

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 9.404e+04 / 46
p0 13.93 ± 0.004623
p1 0.4488 ± 1.834e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

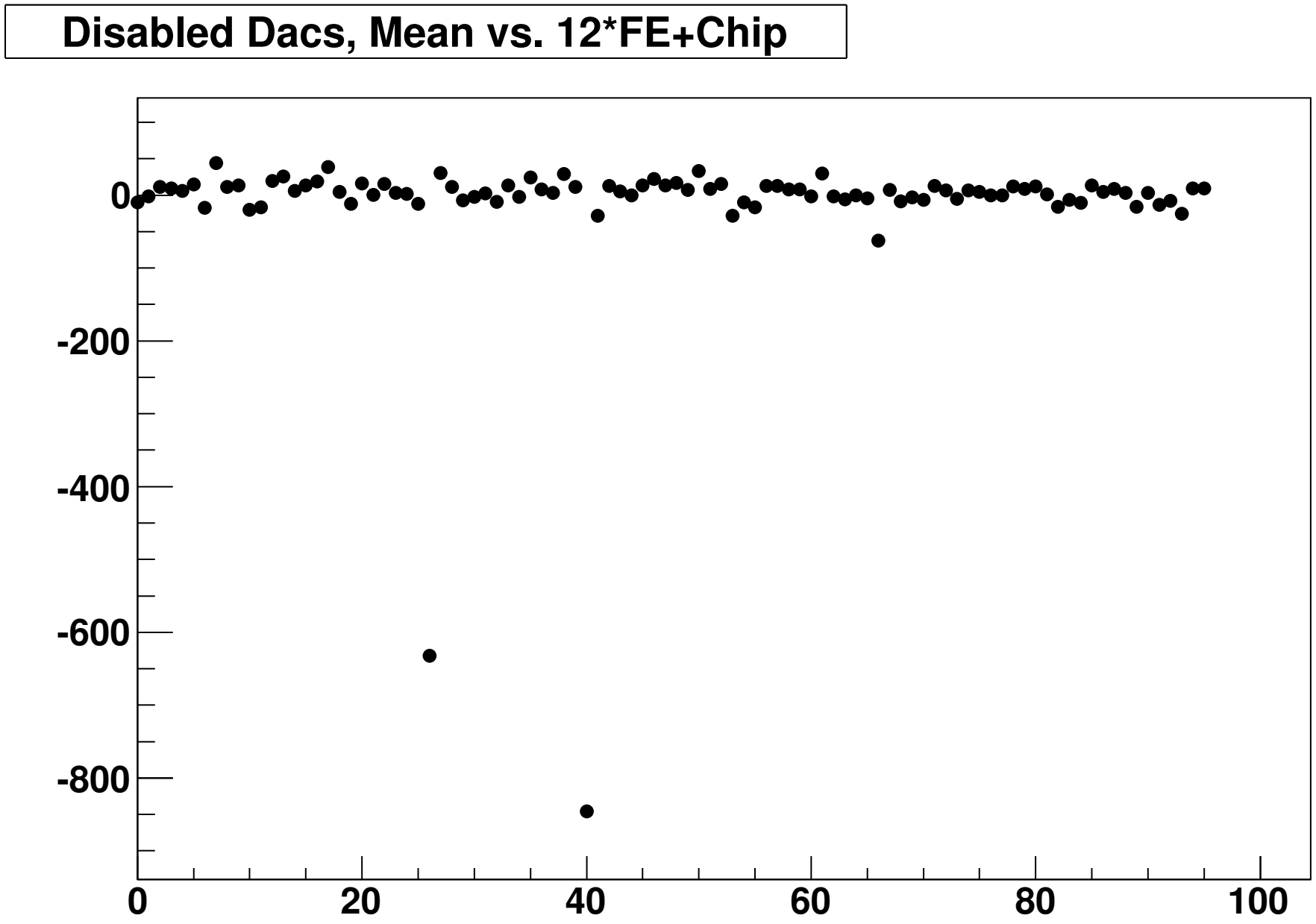

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 962.4 / 46
p0 1.36 ± 0.002579
p1 3.387e-05 ± 1.39e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

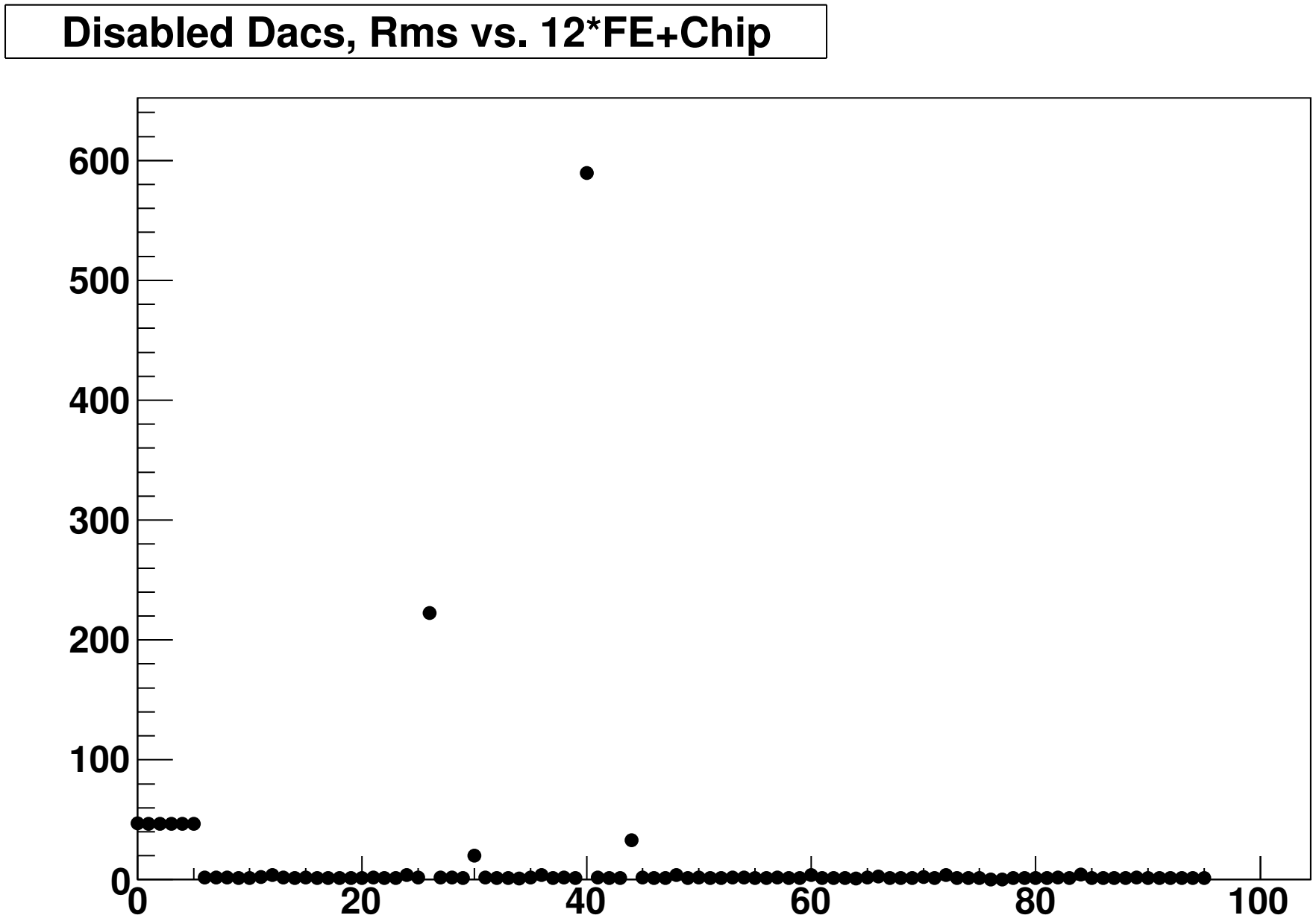

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 9967 / 46
p0 20.26 ± 0.004538
p1 -7.521e-06 ± 1.575e-07
20.4
20.2
20
19.8
19.6
19.4
19.2
0
10000
20000
30000
40000
50000
60000
70000

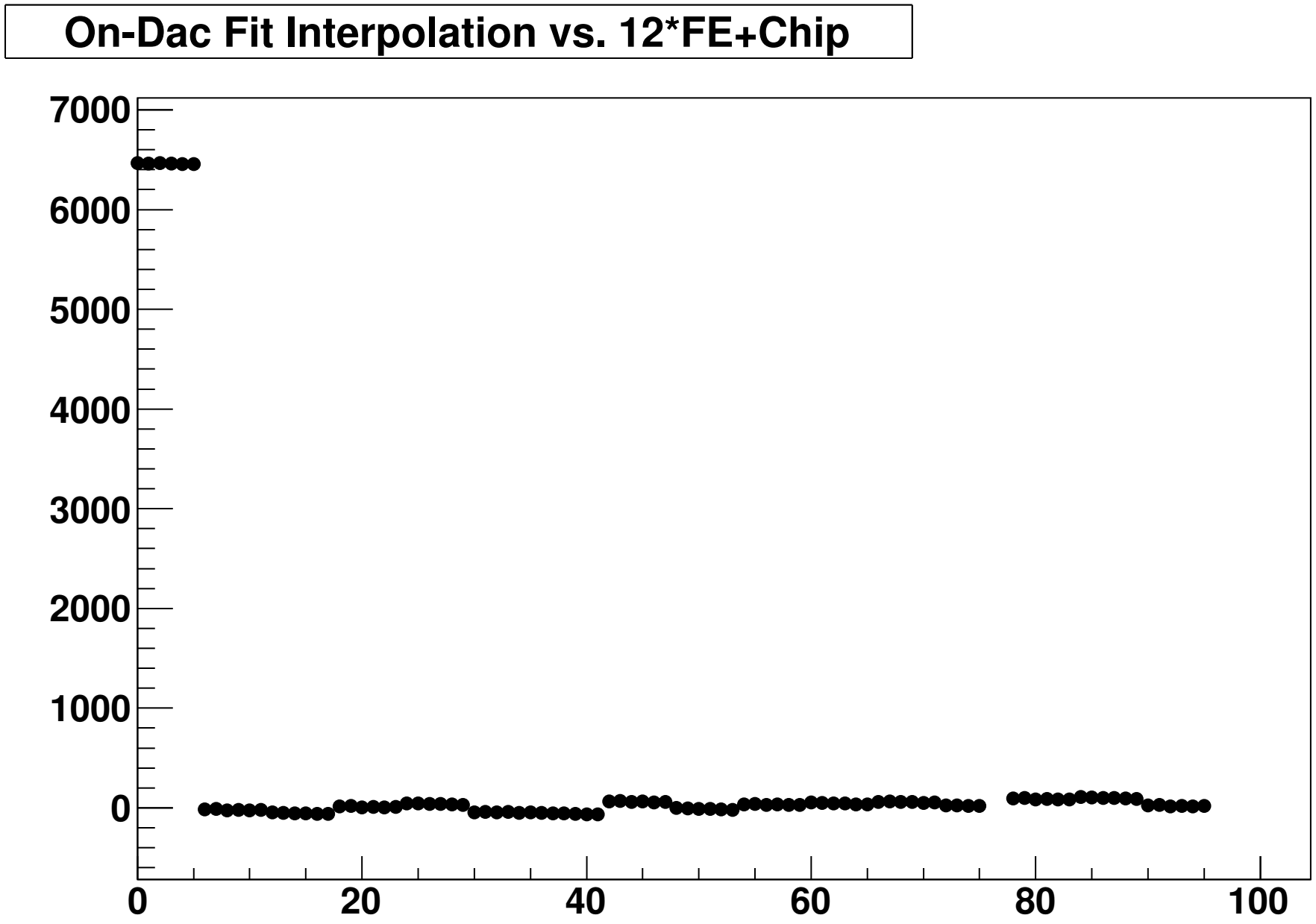

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 35.52 / 46
p0 1.467 ± 0.002382
p1 1.506e-06 ± 2.101e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

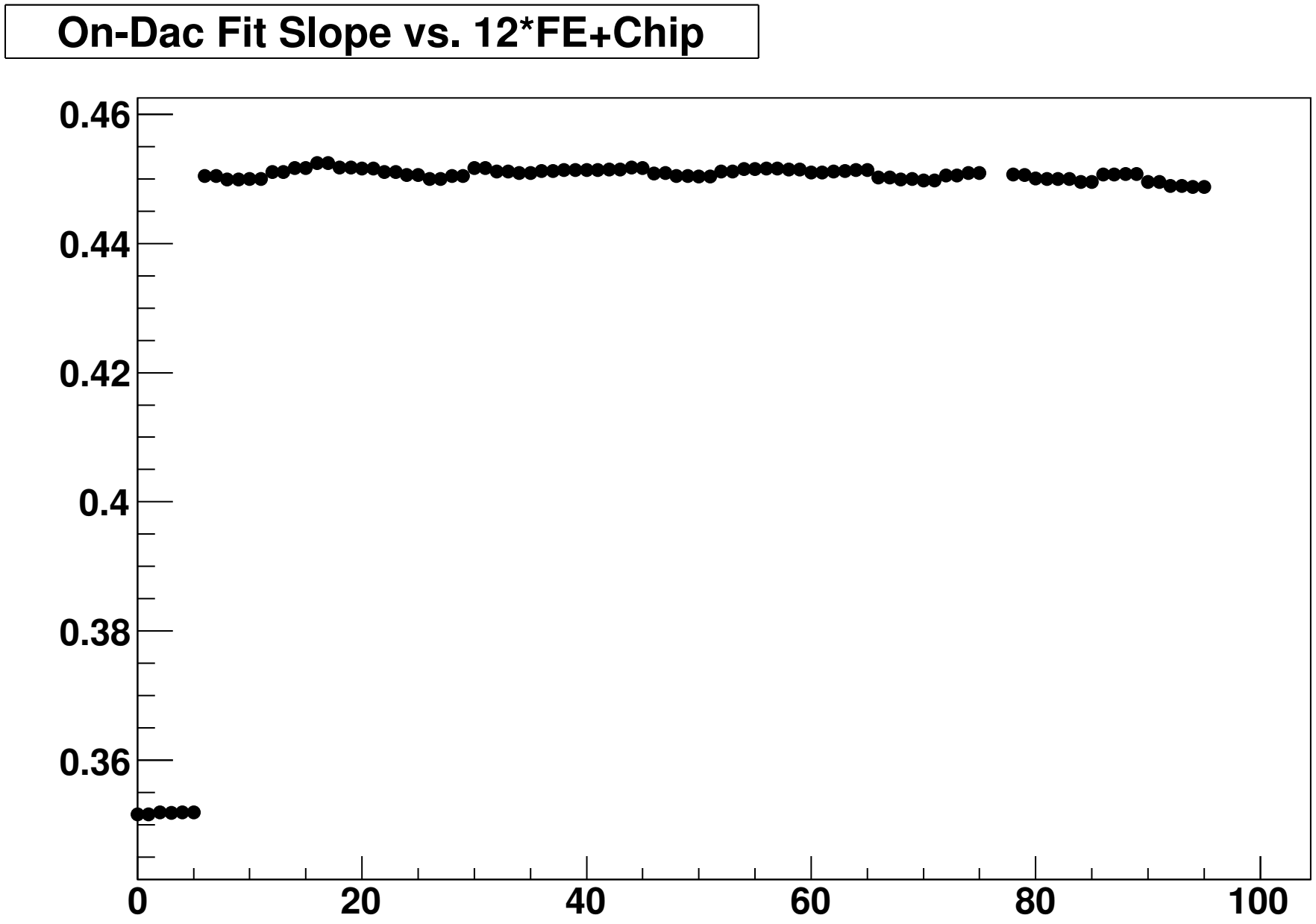

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 7.618e+04 / 46
p0 18.91 ± 0.004623
p1 0.4488 ± 1.834e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

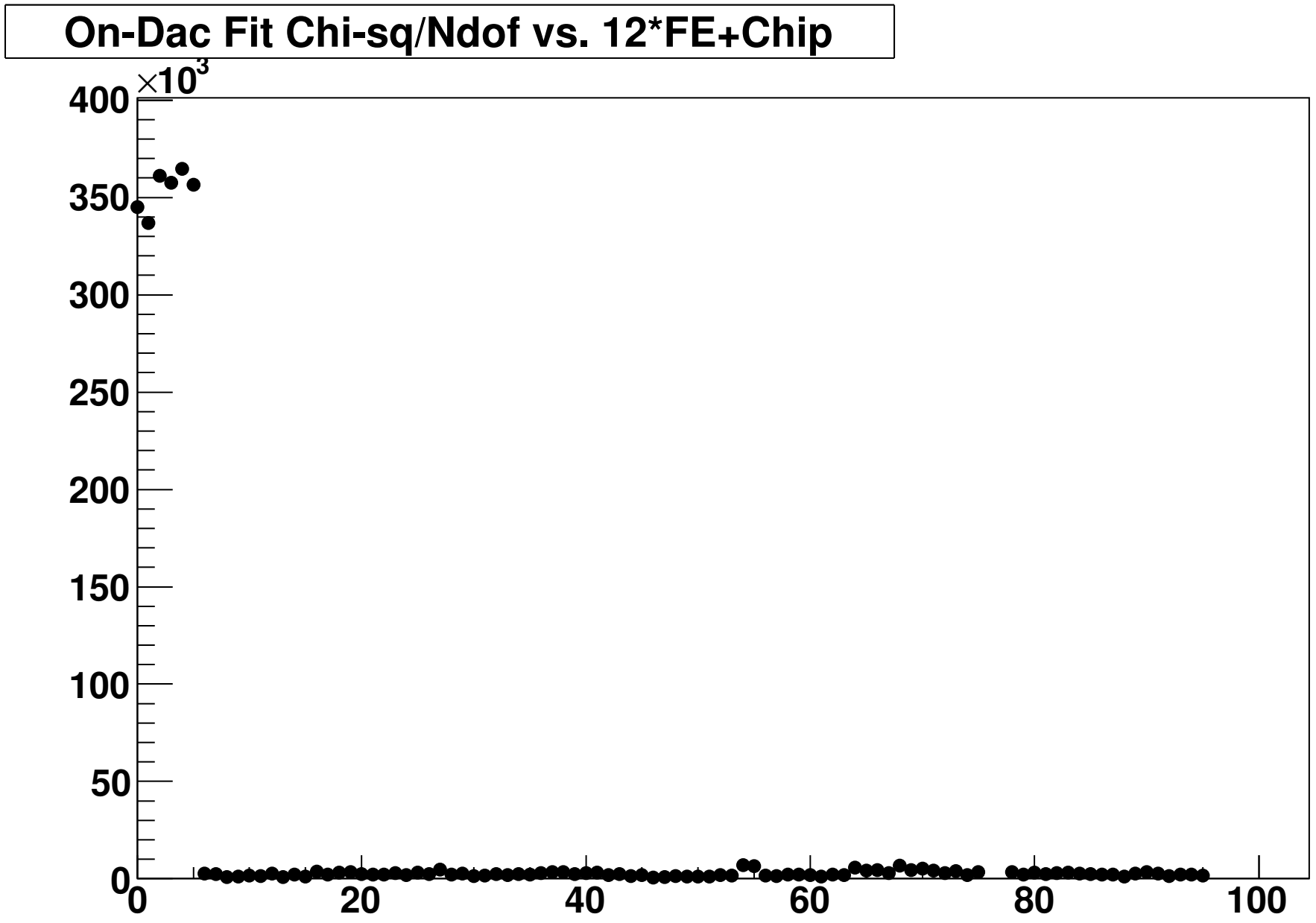

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1069 / 46
p0 1.363 ± 0.002583
p1 3.399e-05 ± 1.391e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

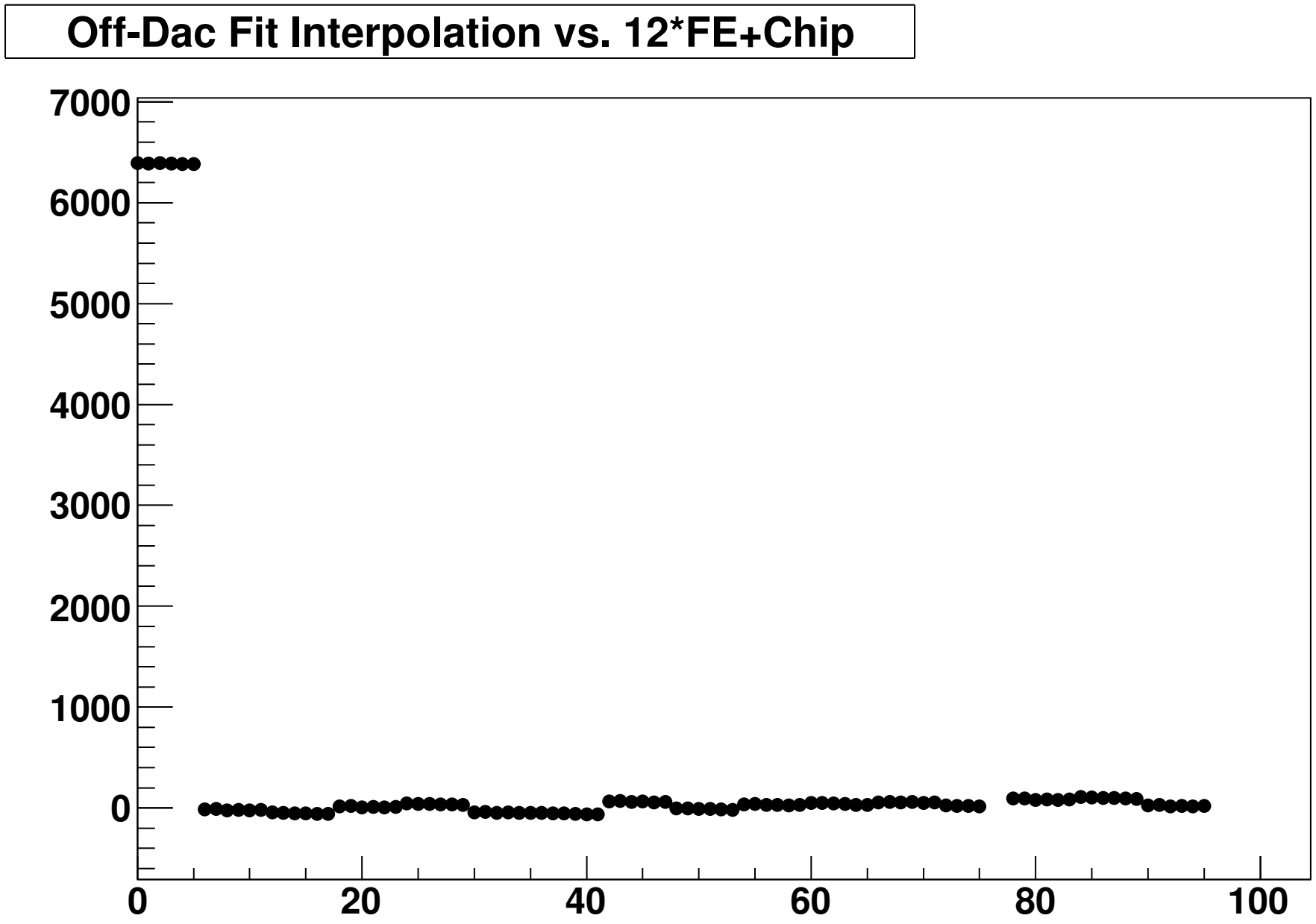

Disabled Dacs, Mean vs. 12*FE+Chip
0
-200
-400
-600
-800
0
20
40
60
80
100

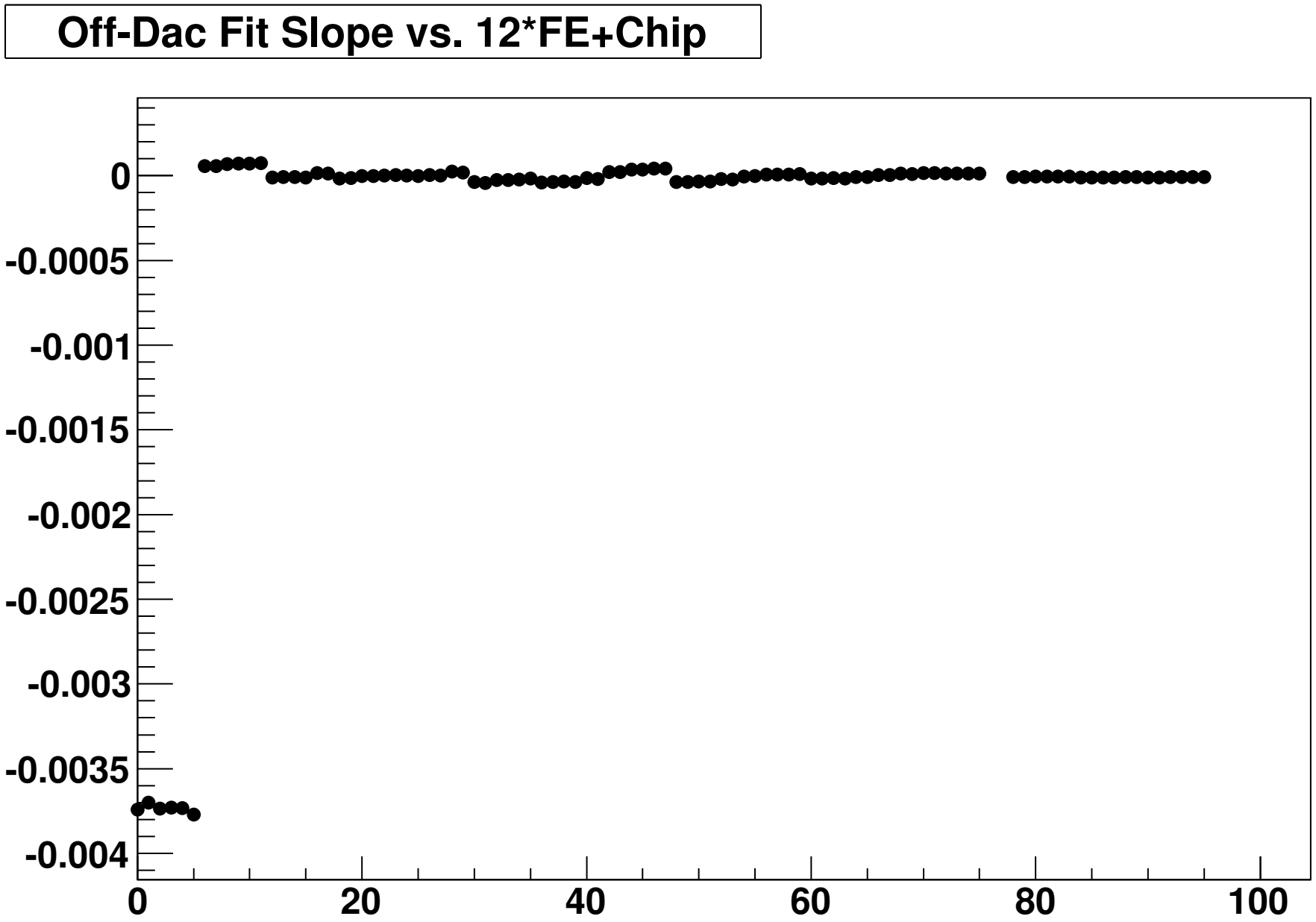

Disabled Dacs, Rms vs. 12*FE+Chip
600
500
400
300
200
100
0
0
20
40
60
80
100

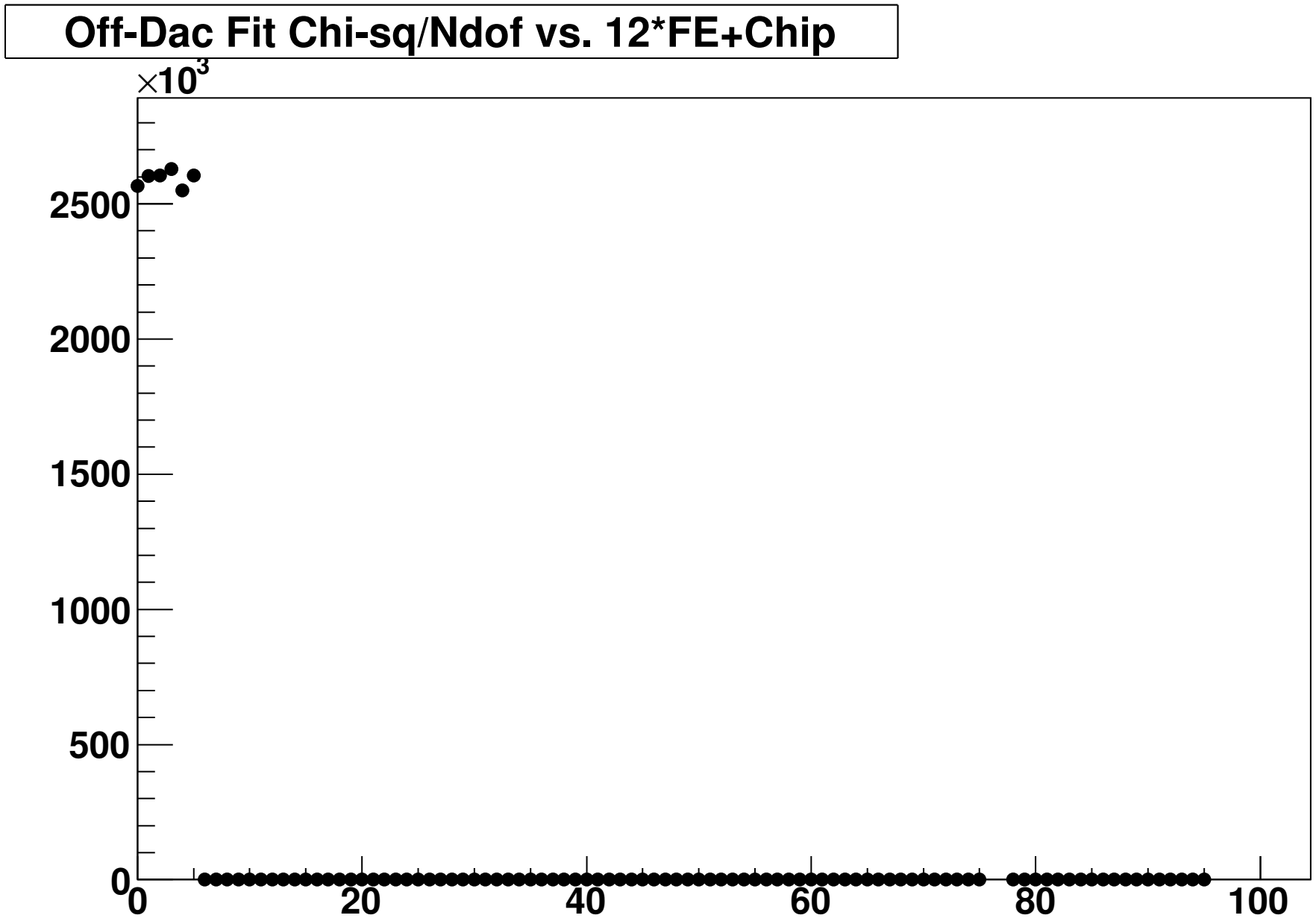

On-Dac Fit Interpolation vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

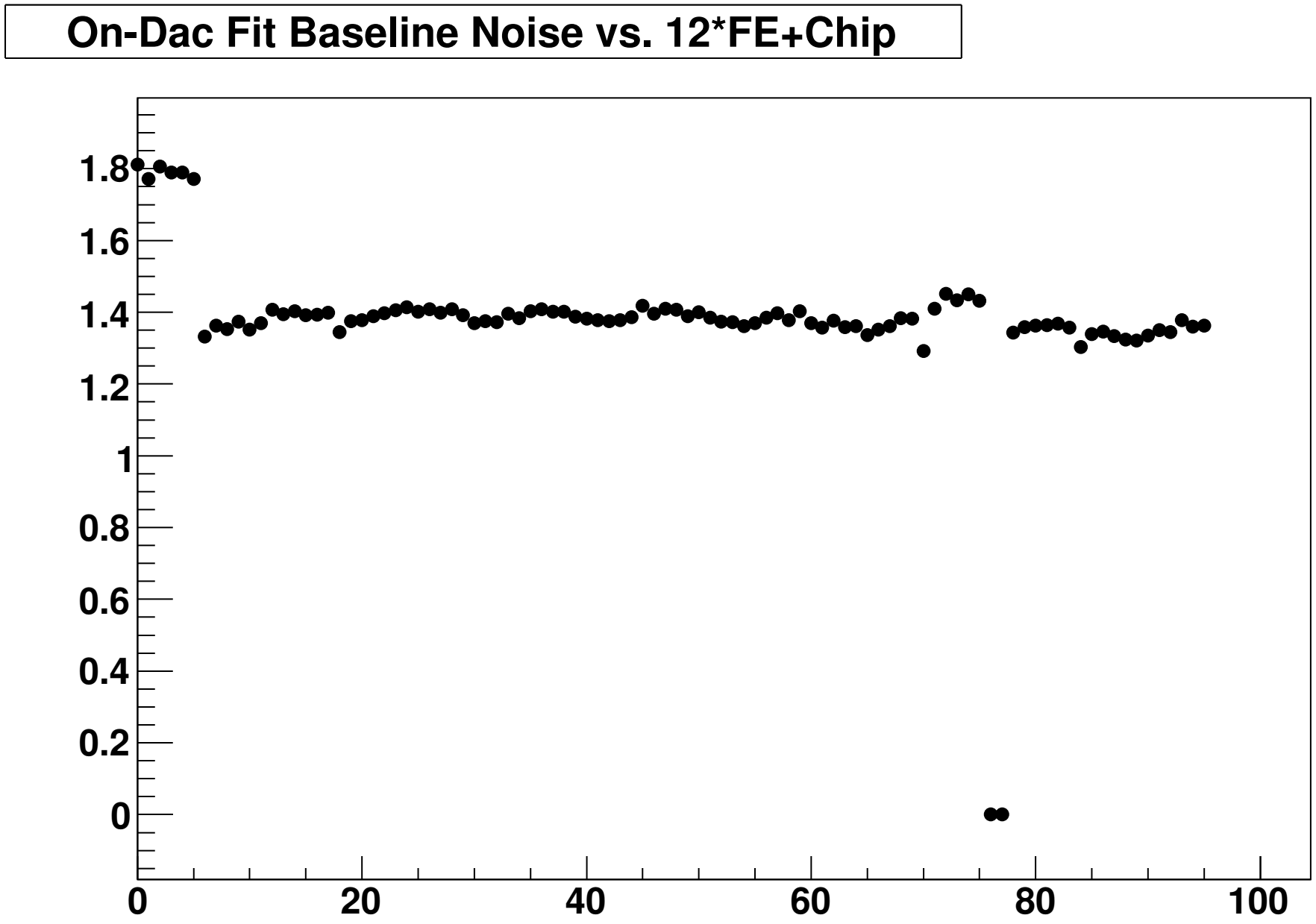

On-Dac Fit Slope vs. 12*FE+Chip
0.46
0.44
0.42
0.4
0.38
0.36
0
20
40
60
80
100

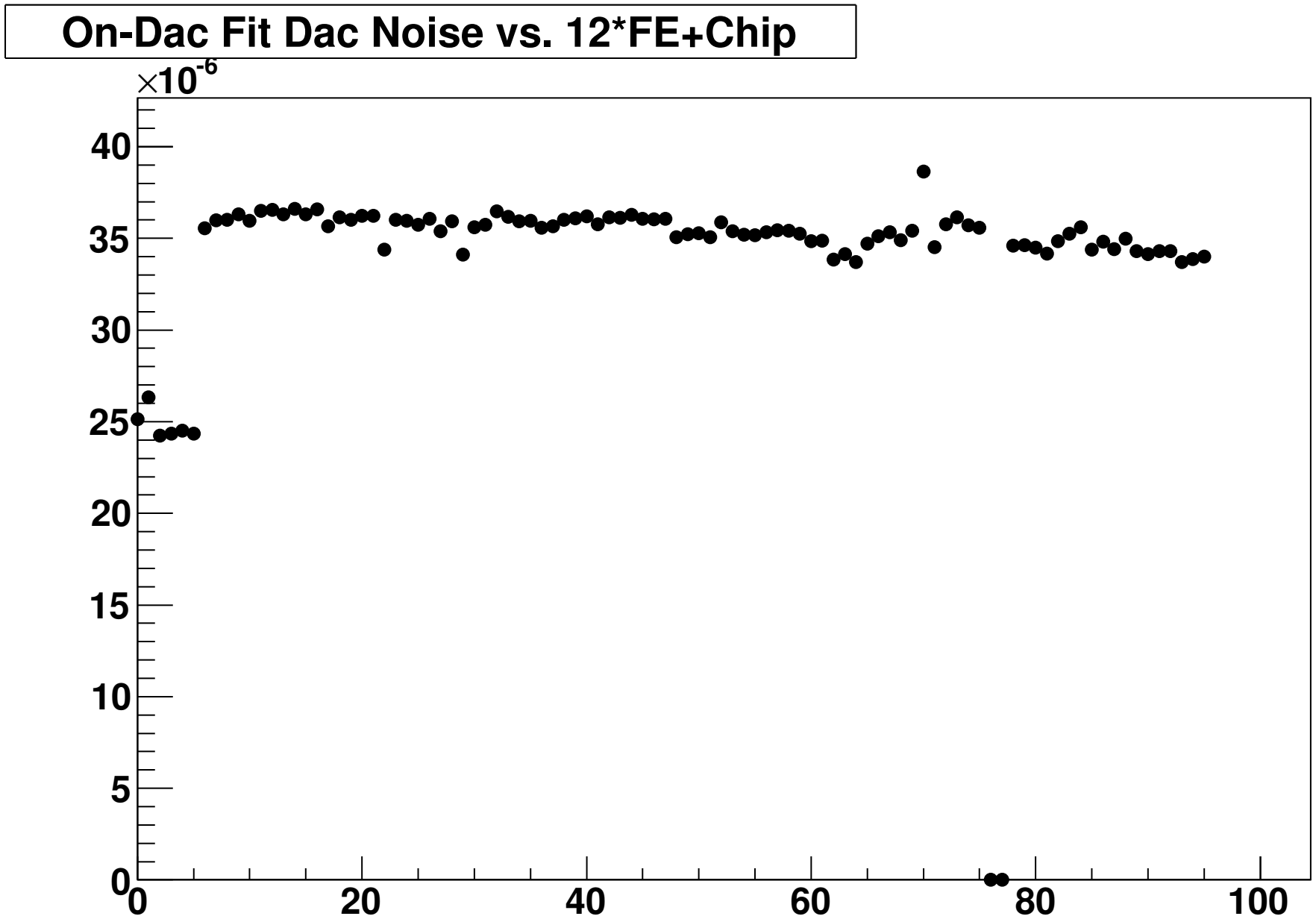

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

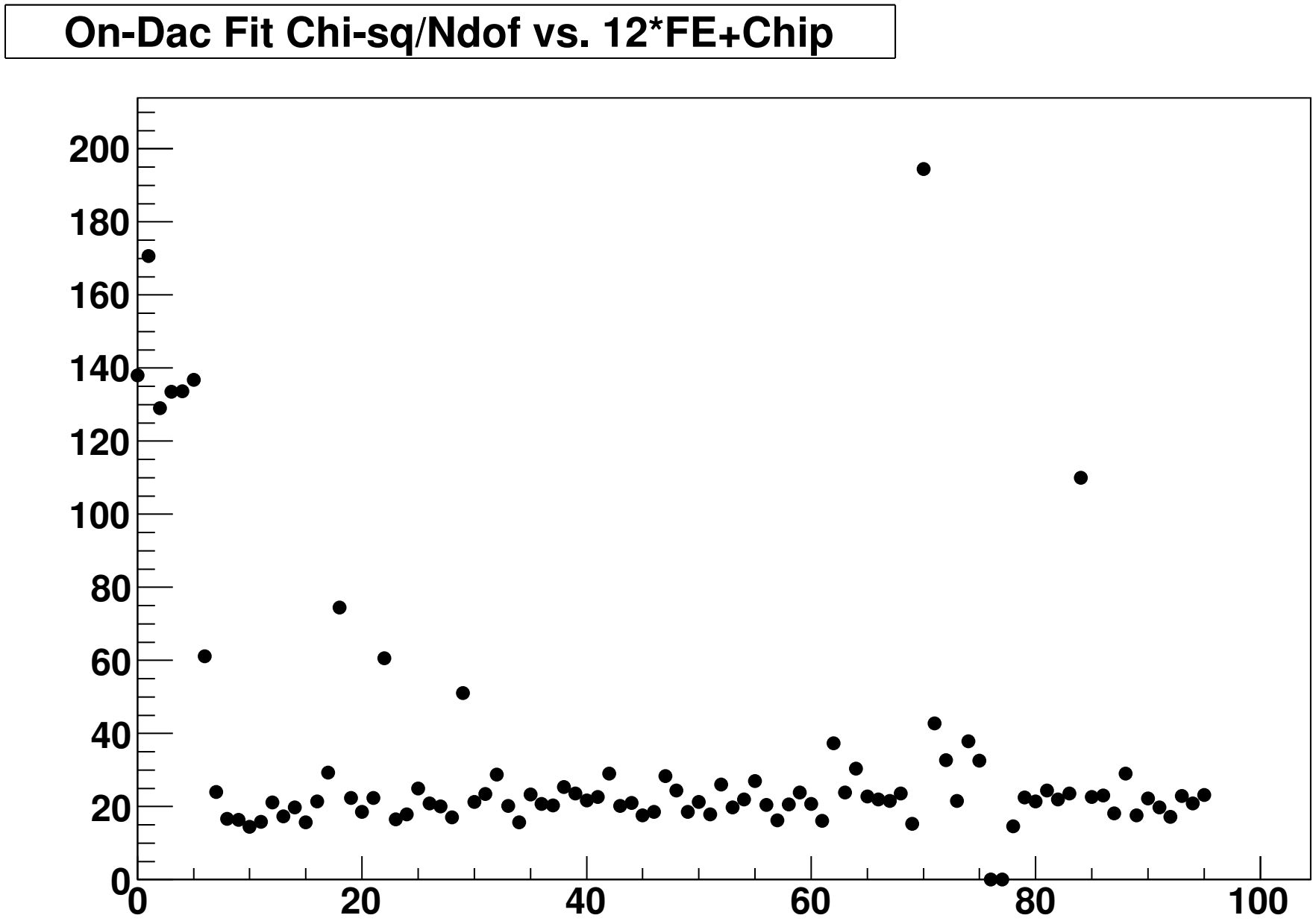

Off-Dac Fit Interpolation vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

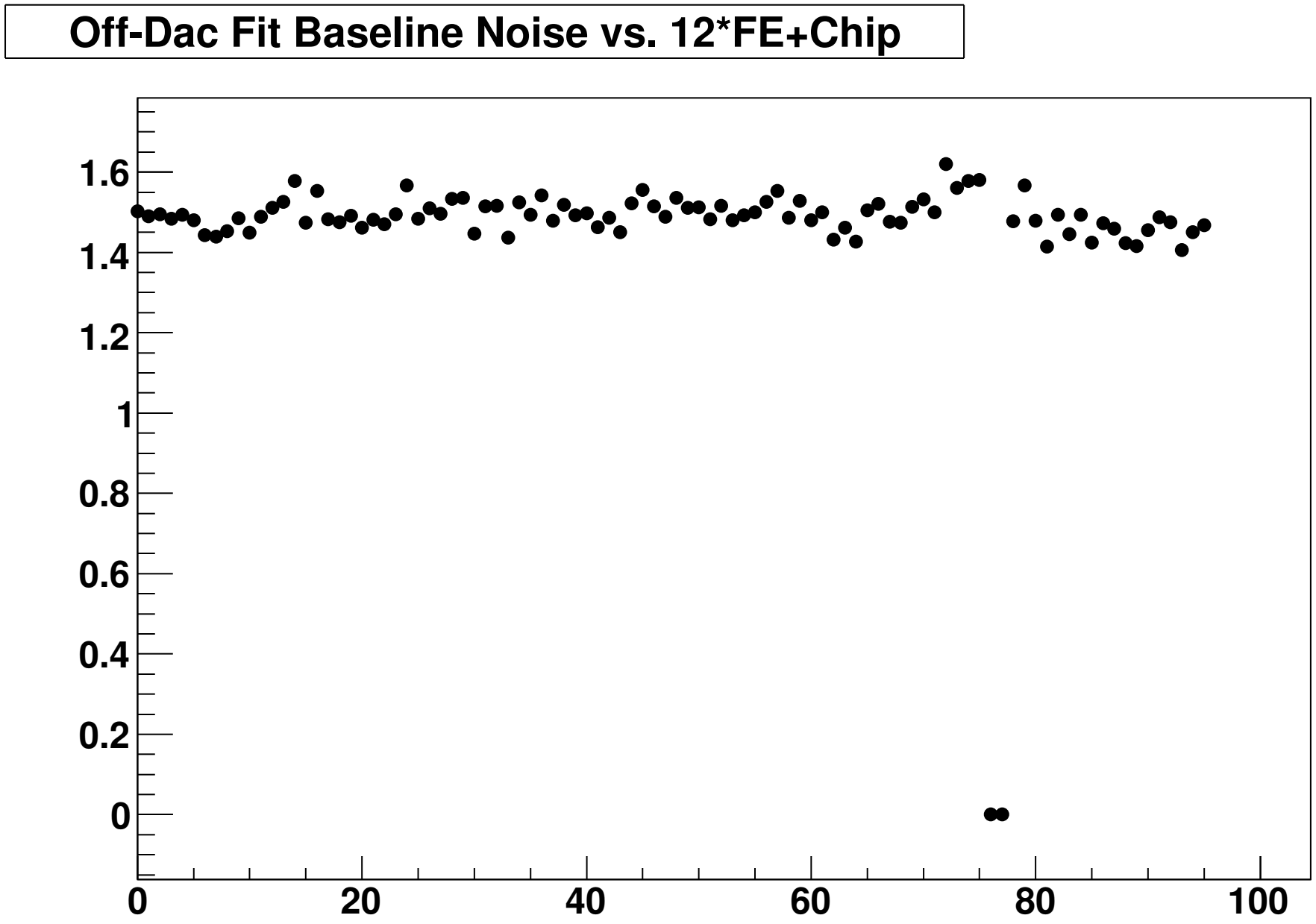

Off-Dac Fit Slope vs. 12*FE+Chip
0
-0.0005
-0.001
-0.0015
-0.002
-0.0025
-0.003
-0.0035
-0.004
0
20
40
60
80
100

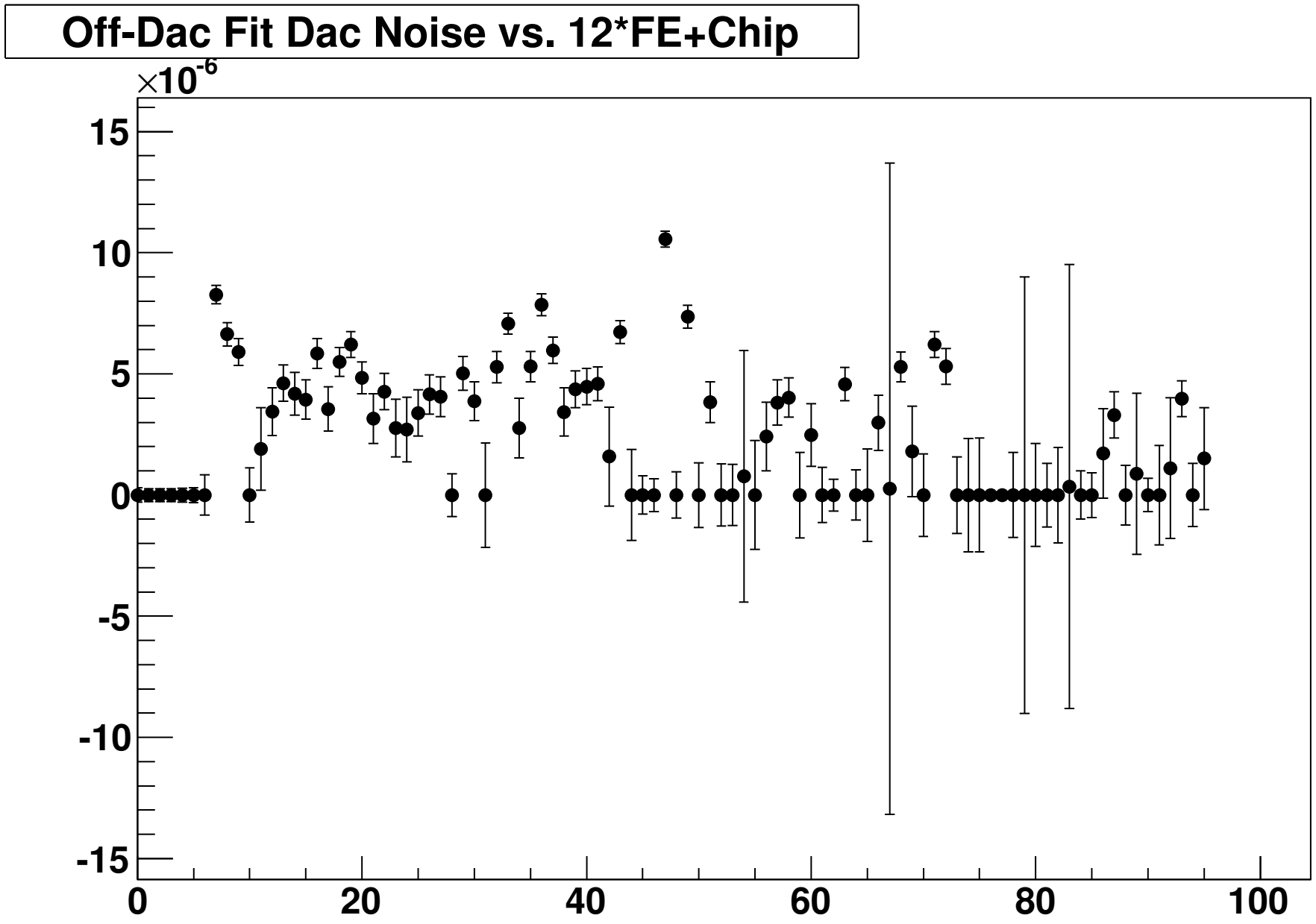

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
2500
2000
1500
1000
500
0
0
20
40
60
80
100

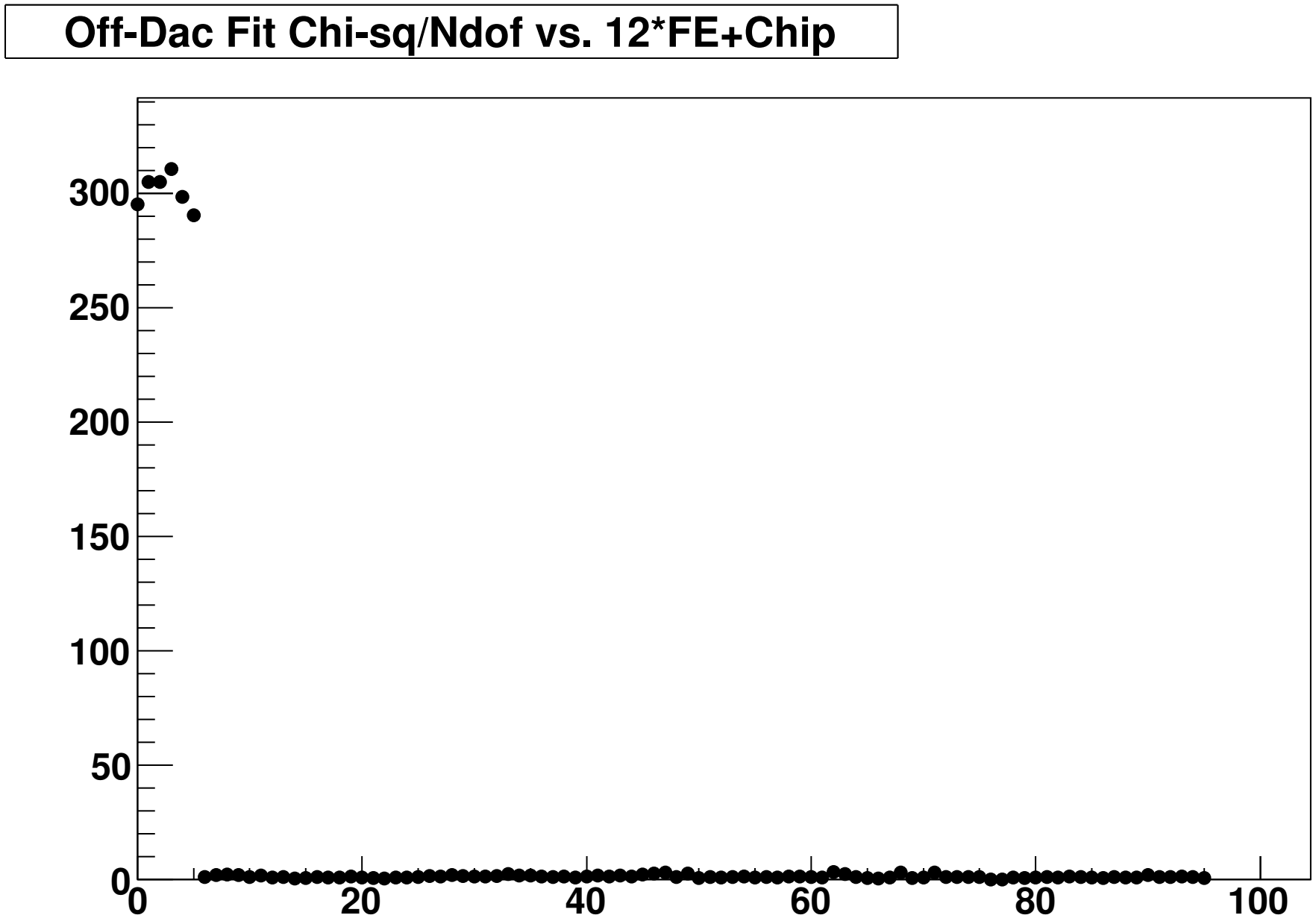

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

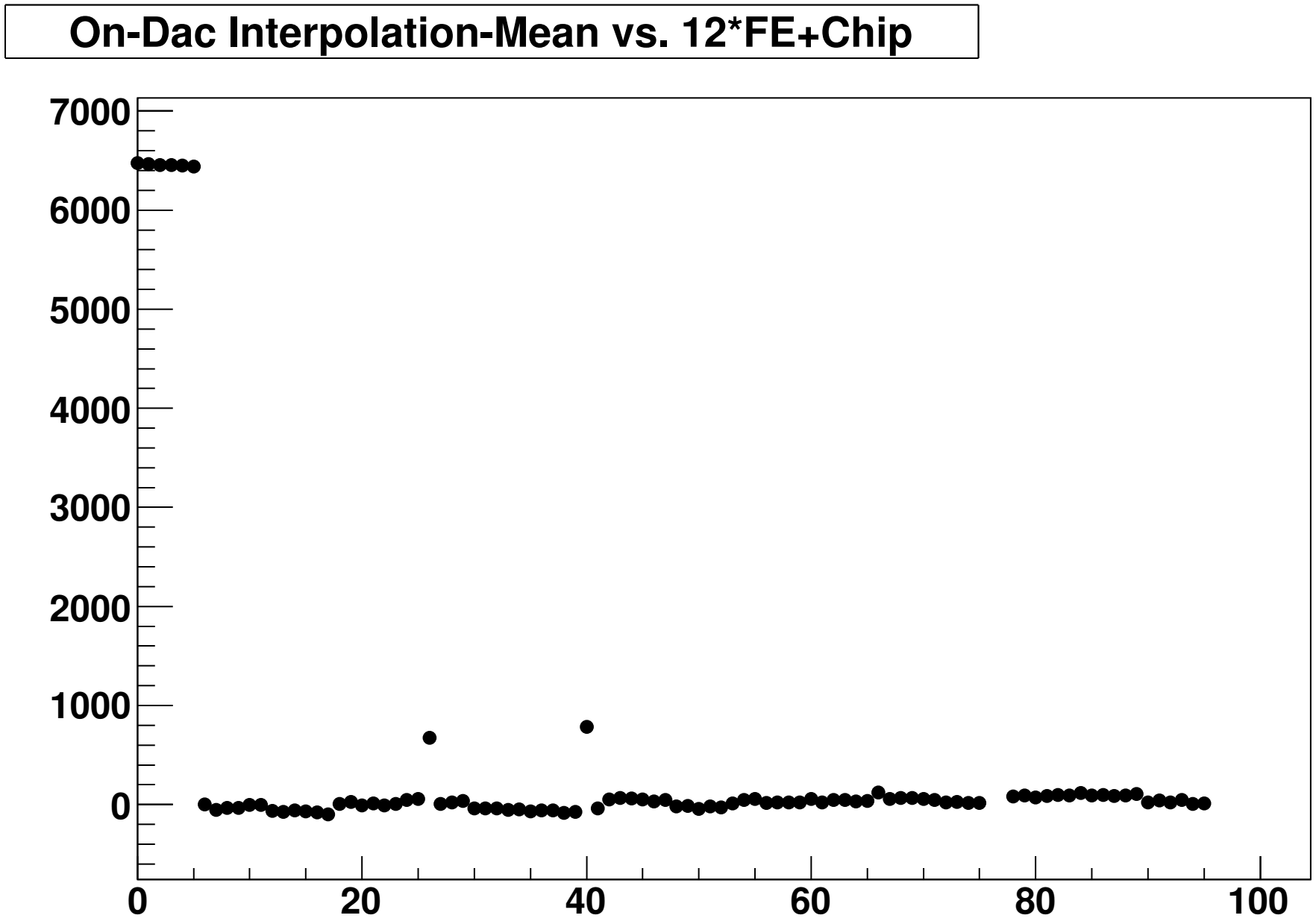

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100

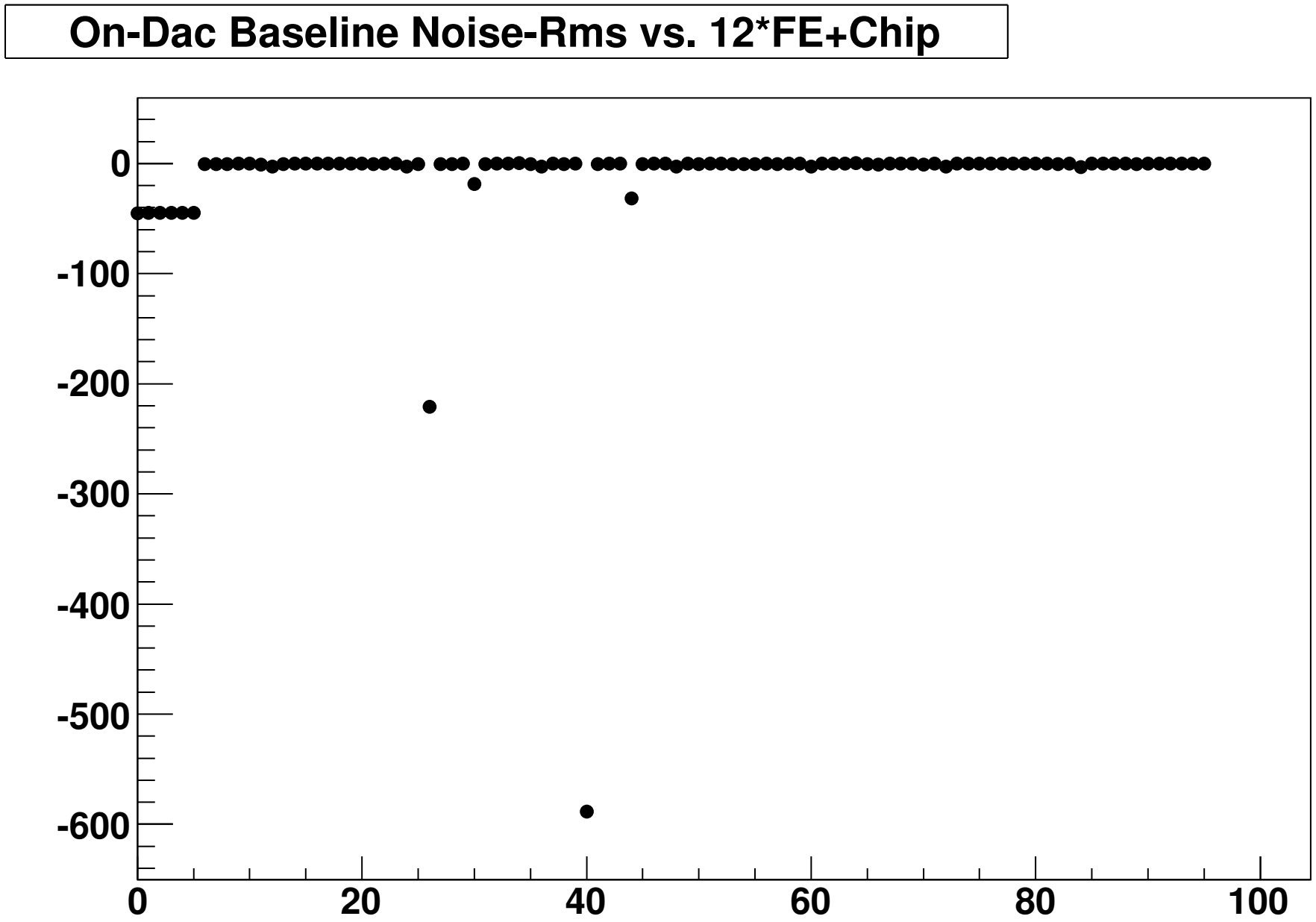

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
200
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

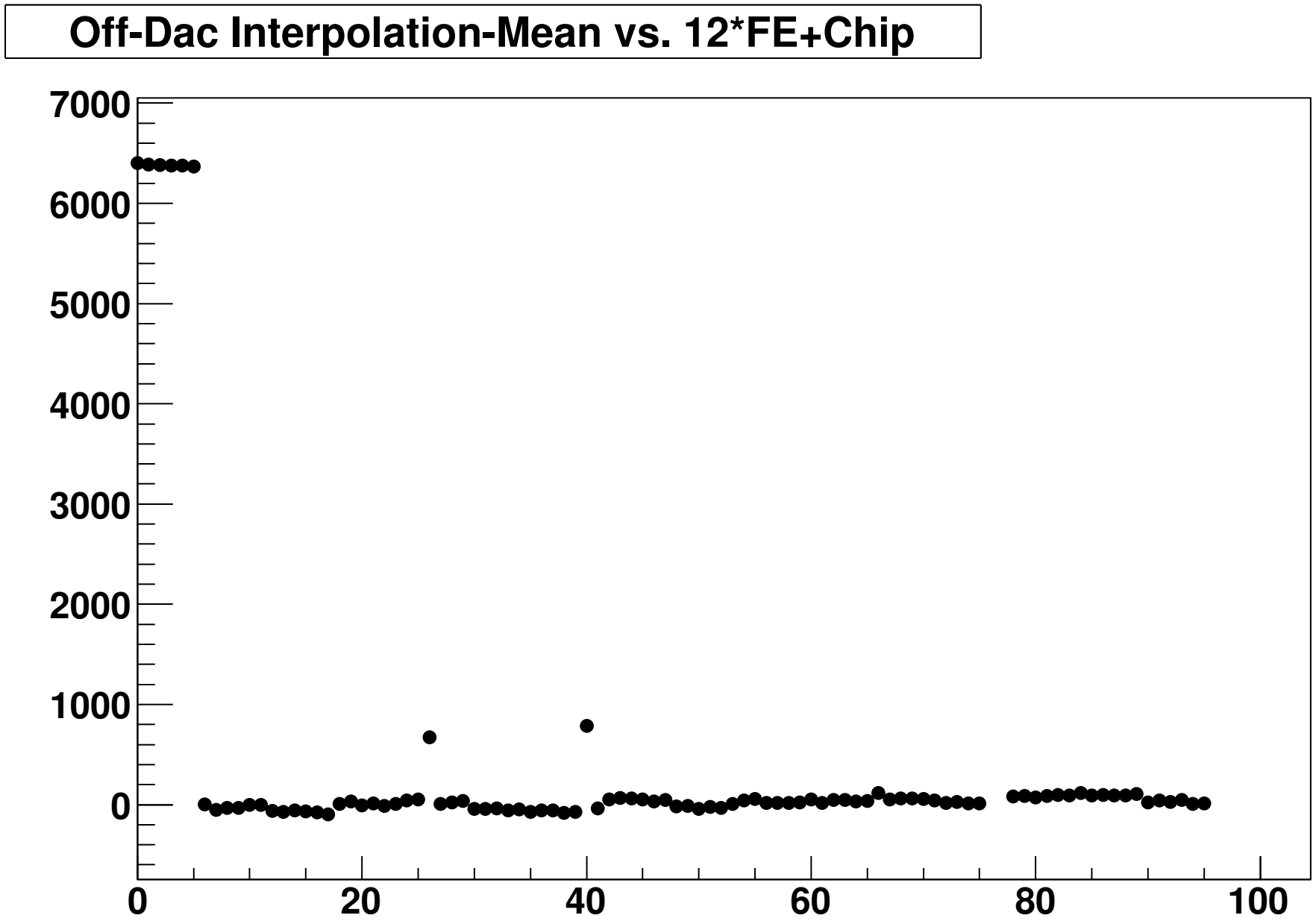

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

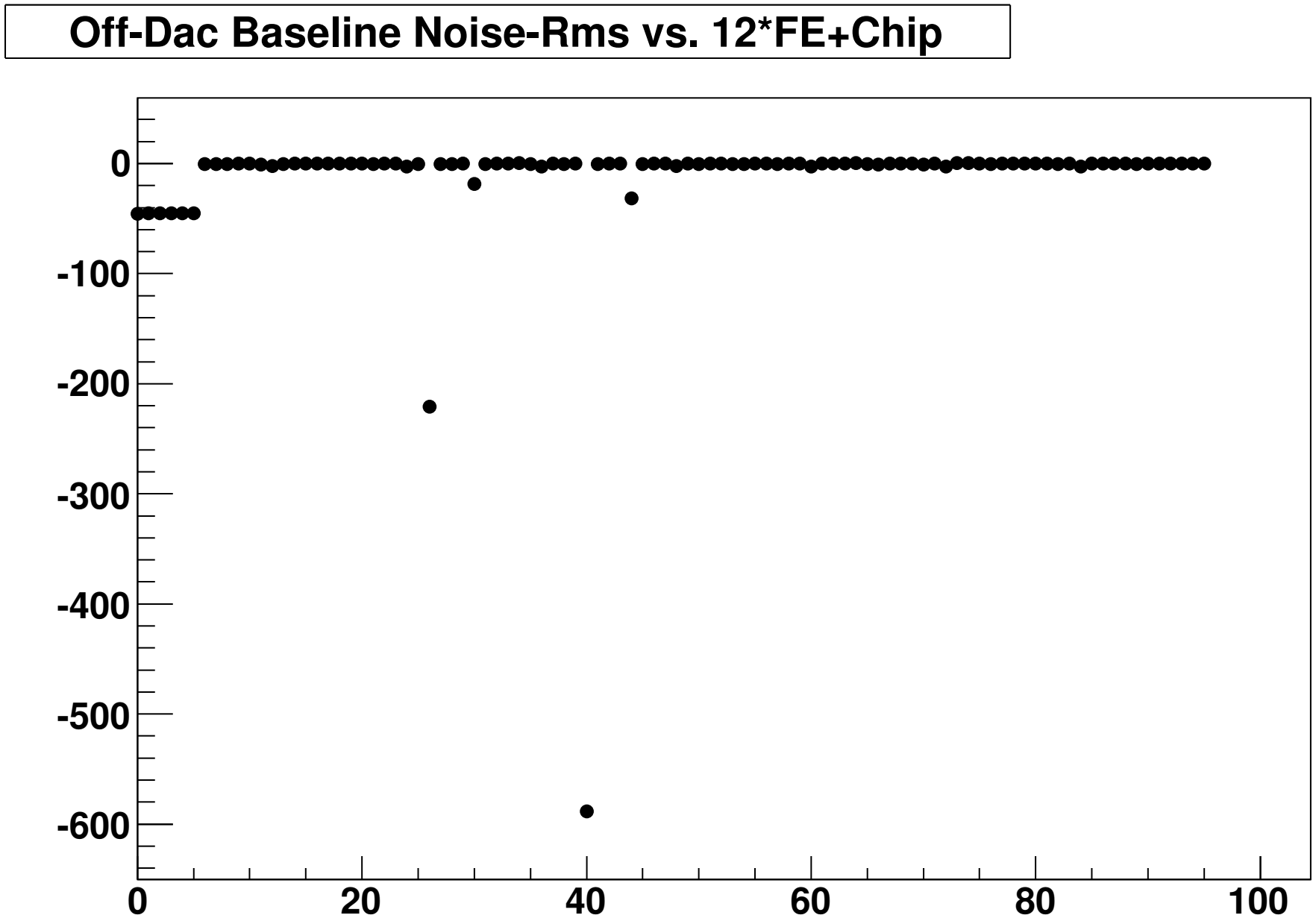

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
15
10
5
0
-5
-10
-15
0
20
40
60
80
100


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


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-100
-200
-300
-400
-500
-600
0
20
40
60
80
100


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-100
-200
-300
-400
-500
-600
0
20
40
60
80
100