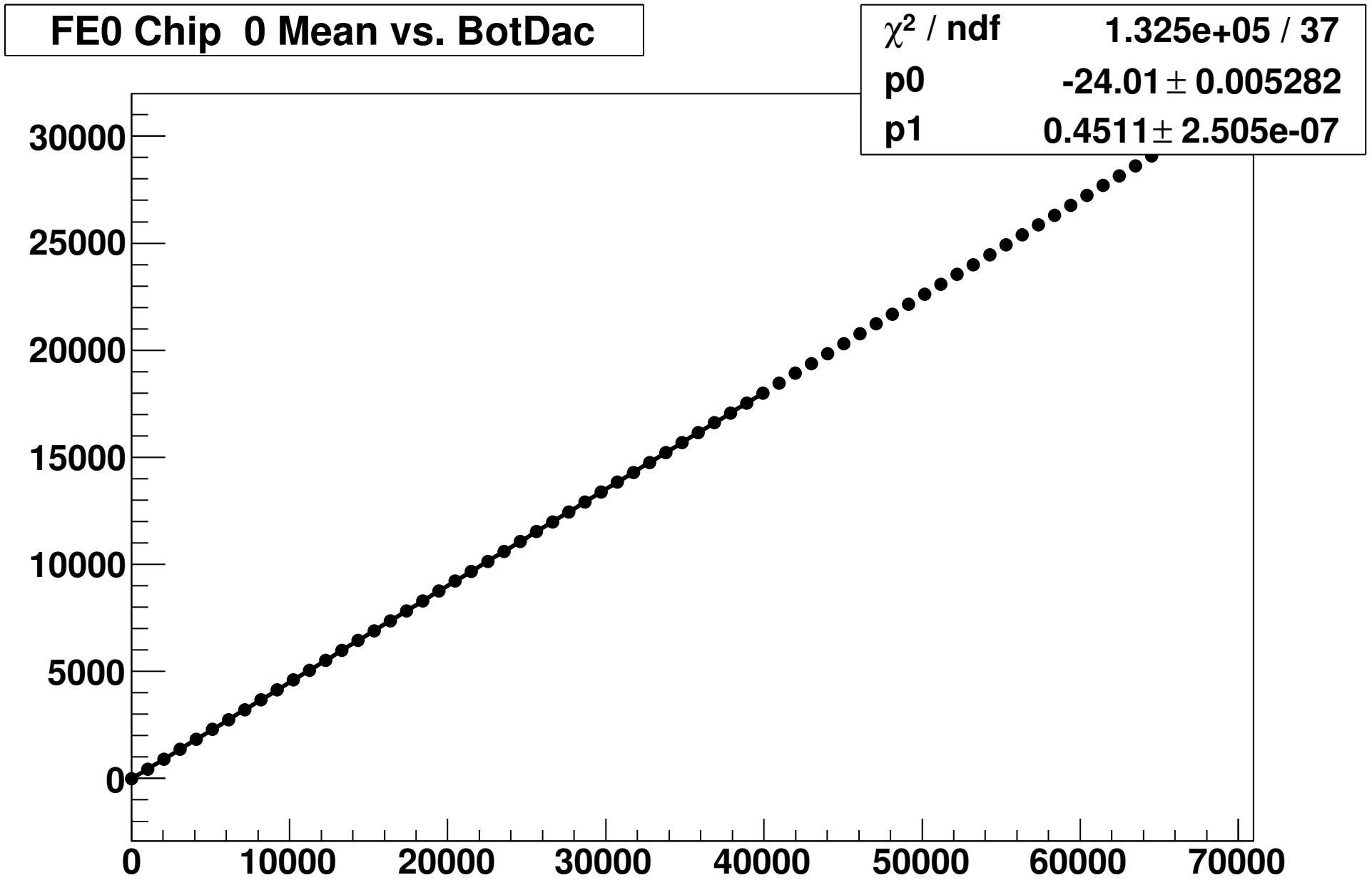
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.325e+05 / 37
p0 -24.01 ± 0.005282
p1 0.4511 ± 2.505e-07
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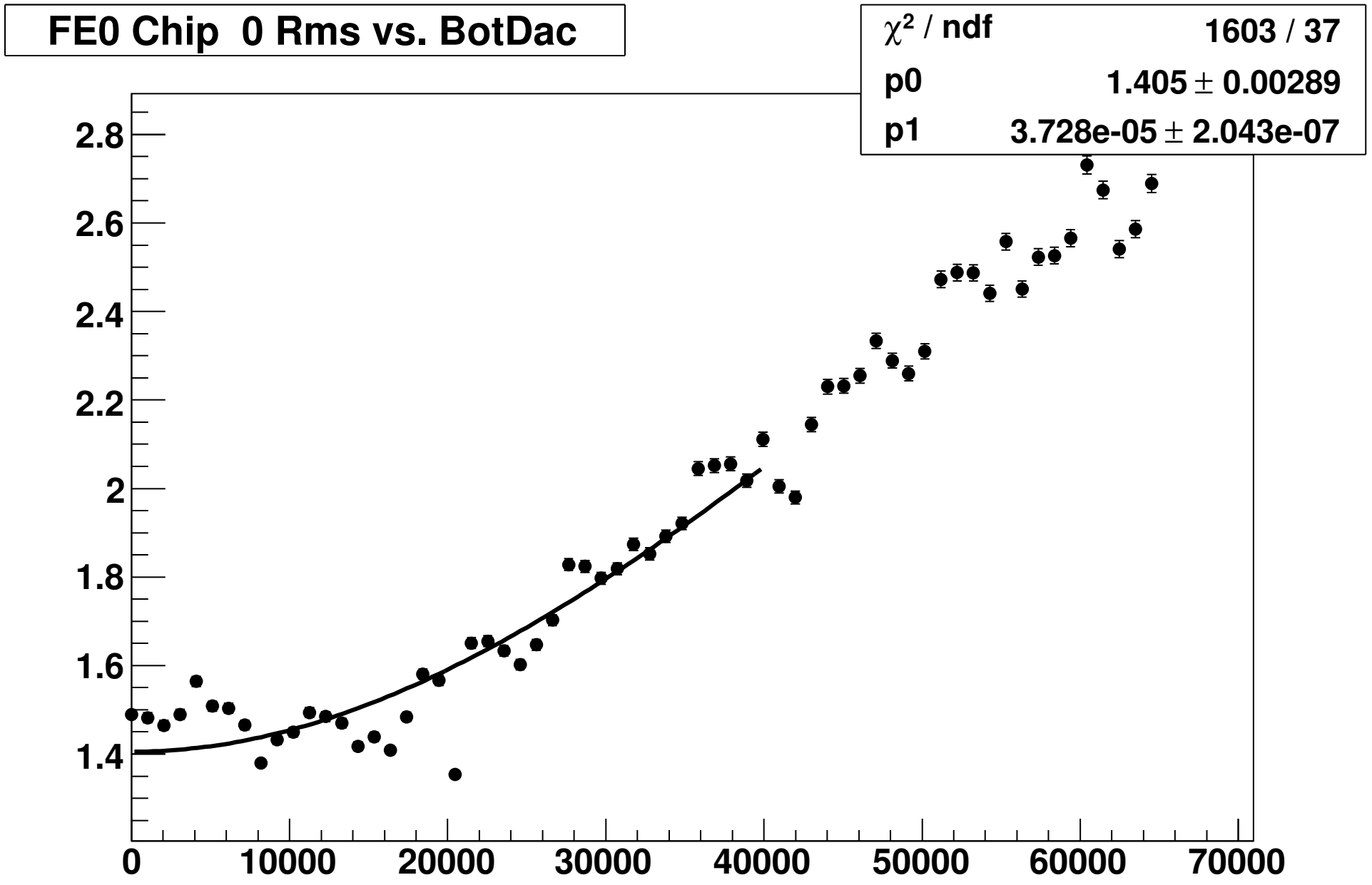
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1603 / 37
p0 1.405 ± 0.00289
p1 3.728e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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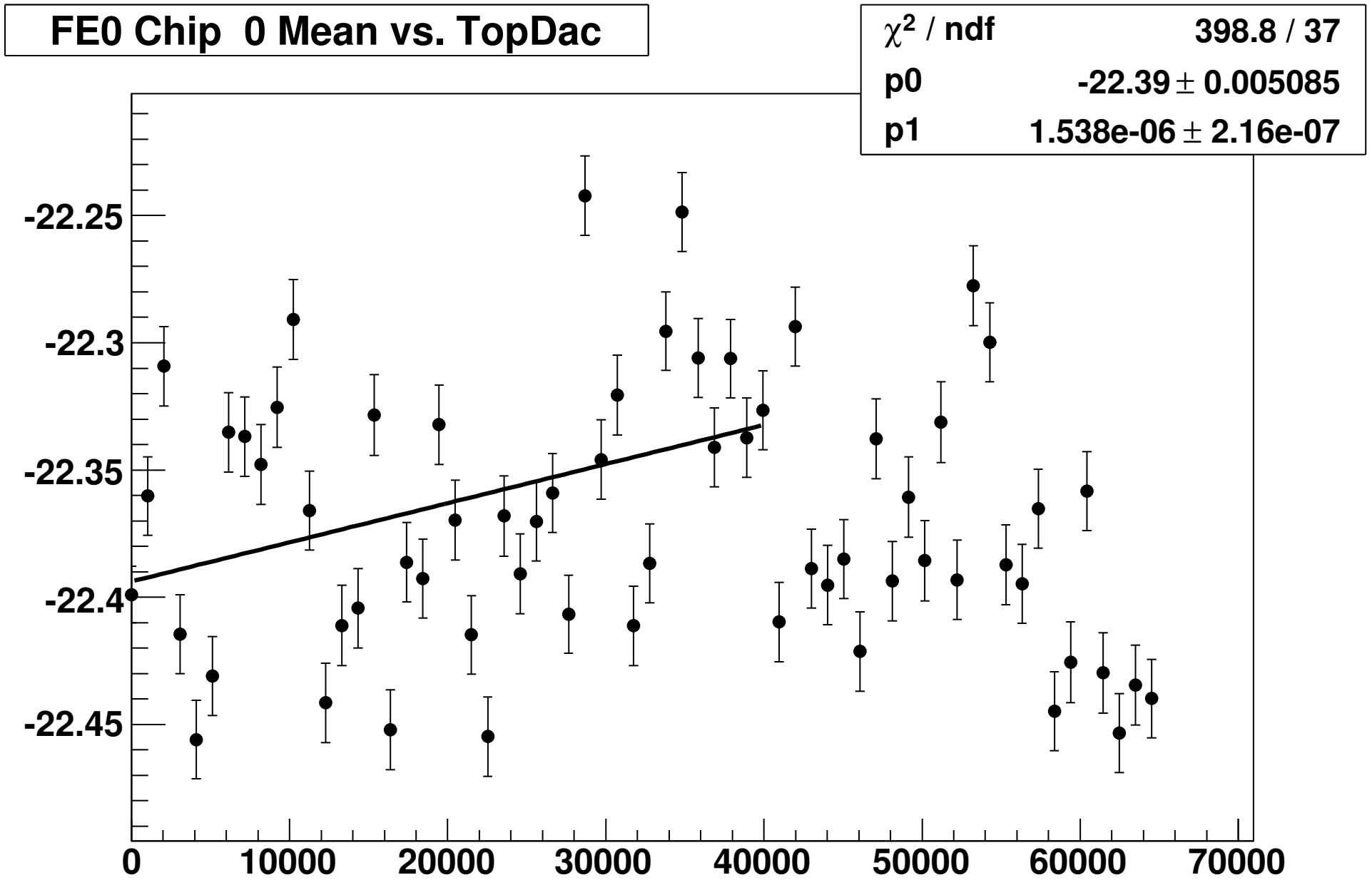
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 398.8 / 37
p0 -22.39 ± 0.005085
p1 1.538e-06 ± 2.16e-07
-22.25
-22.3
-22.35
-22.4
-22.45
0
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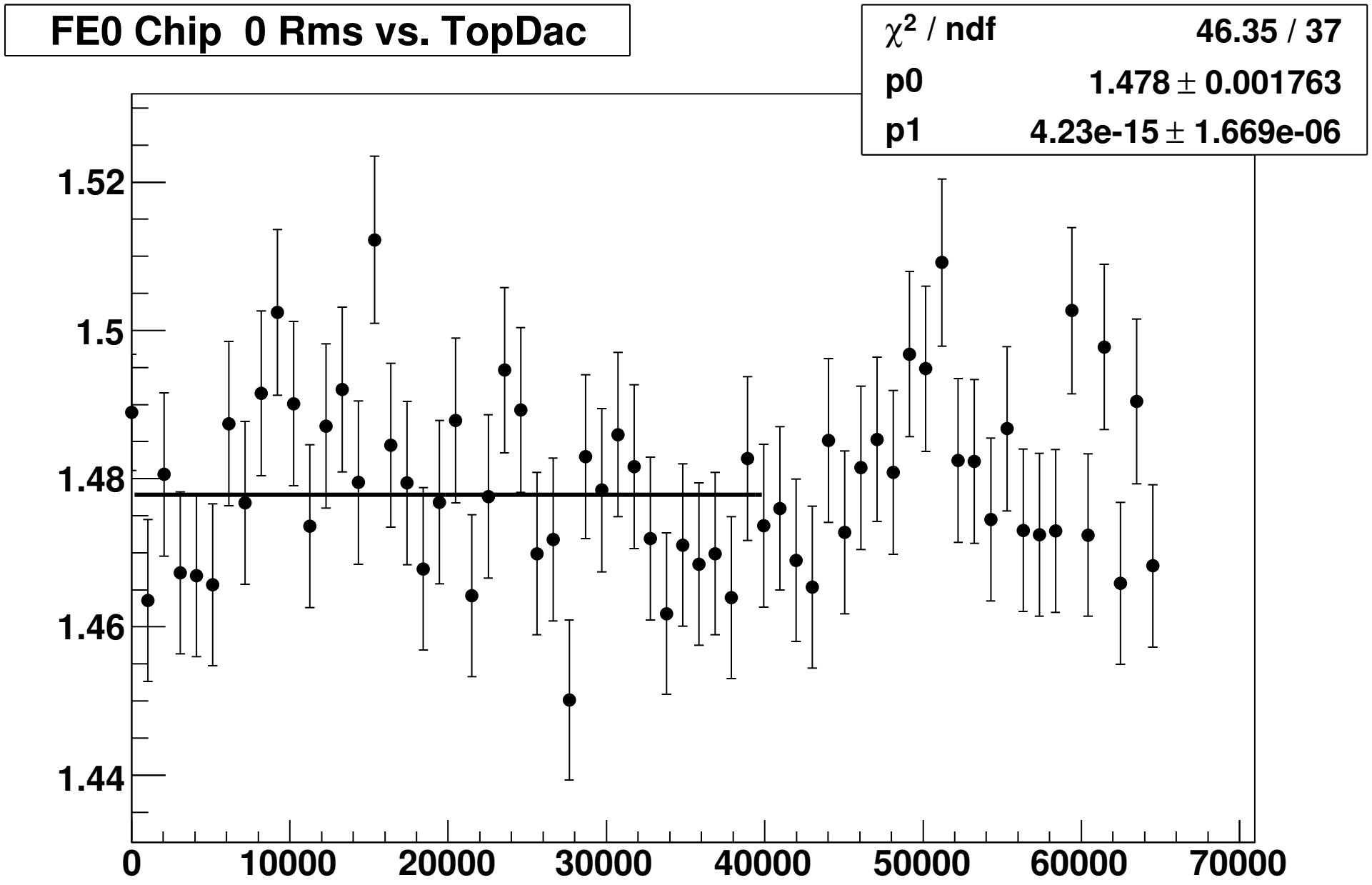
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 46.35 / 37
p0 1.478 ± 0.001763
p1 4.23e-15 ± 1.669e-06
1.52
1.5
1.48
1.46
1.44
0
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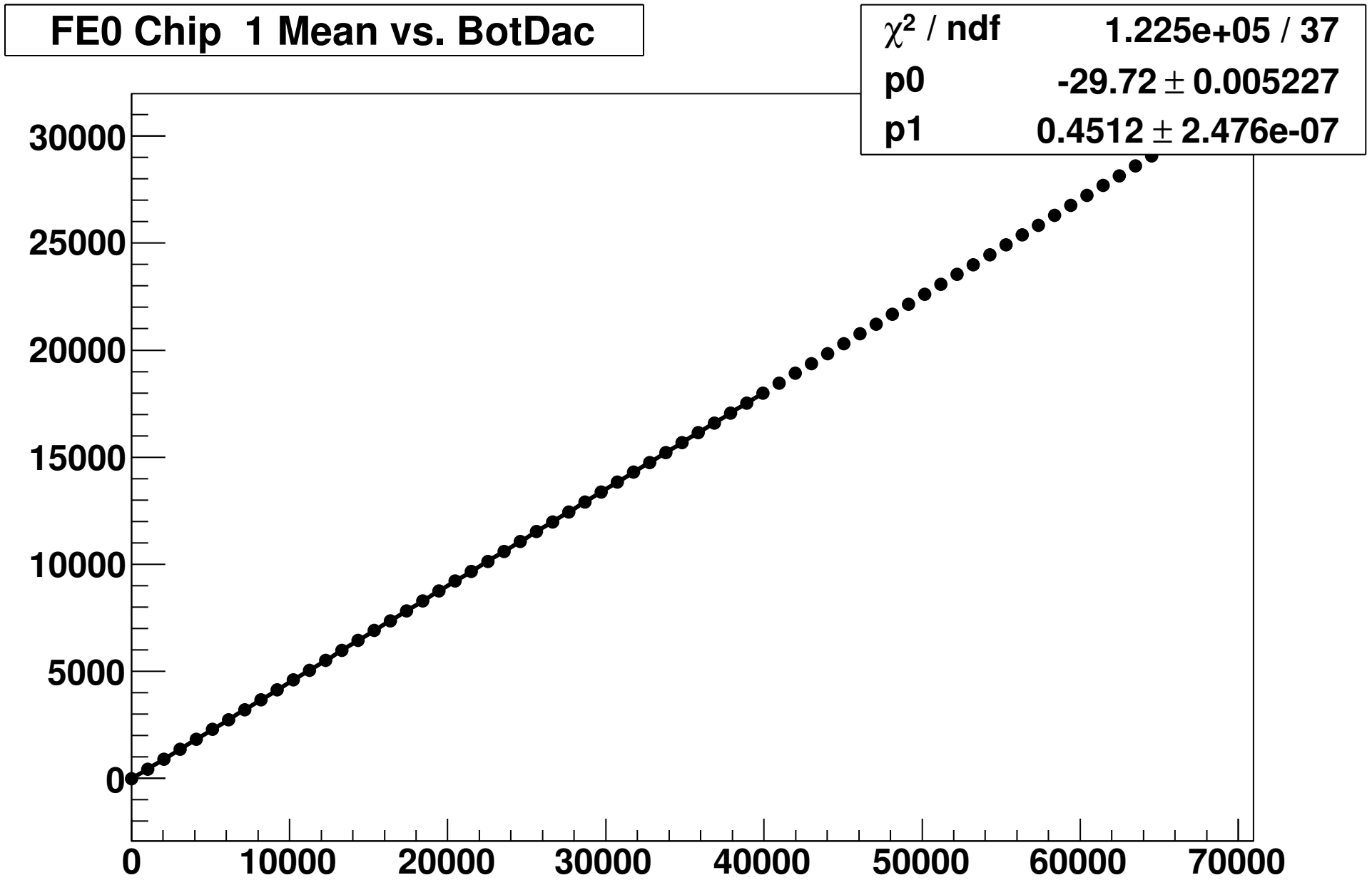
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.225e+05 / 37
p0 -29.72 ± 0.005227
p1 0.4512 ± 2.476e-07
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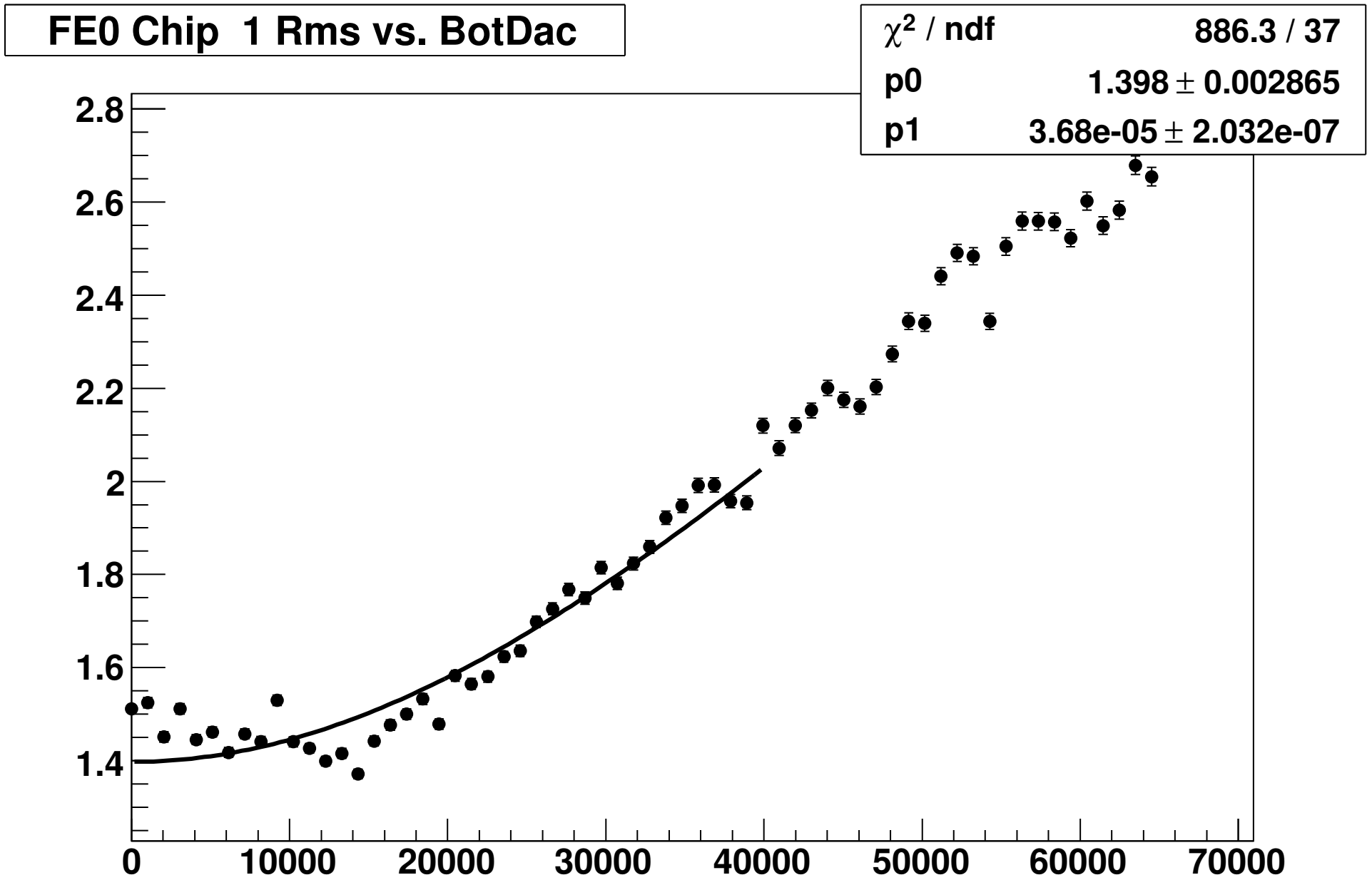
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 886.3 / 37
p0 1.398 ± 0.002865
p1 3.68e-05 ± 2.032e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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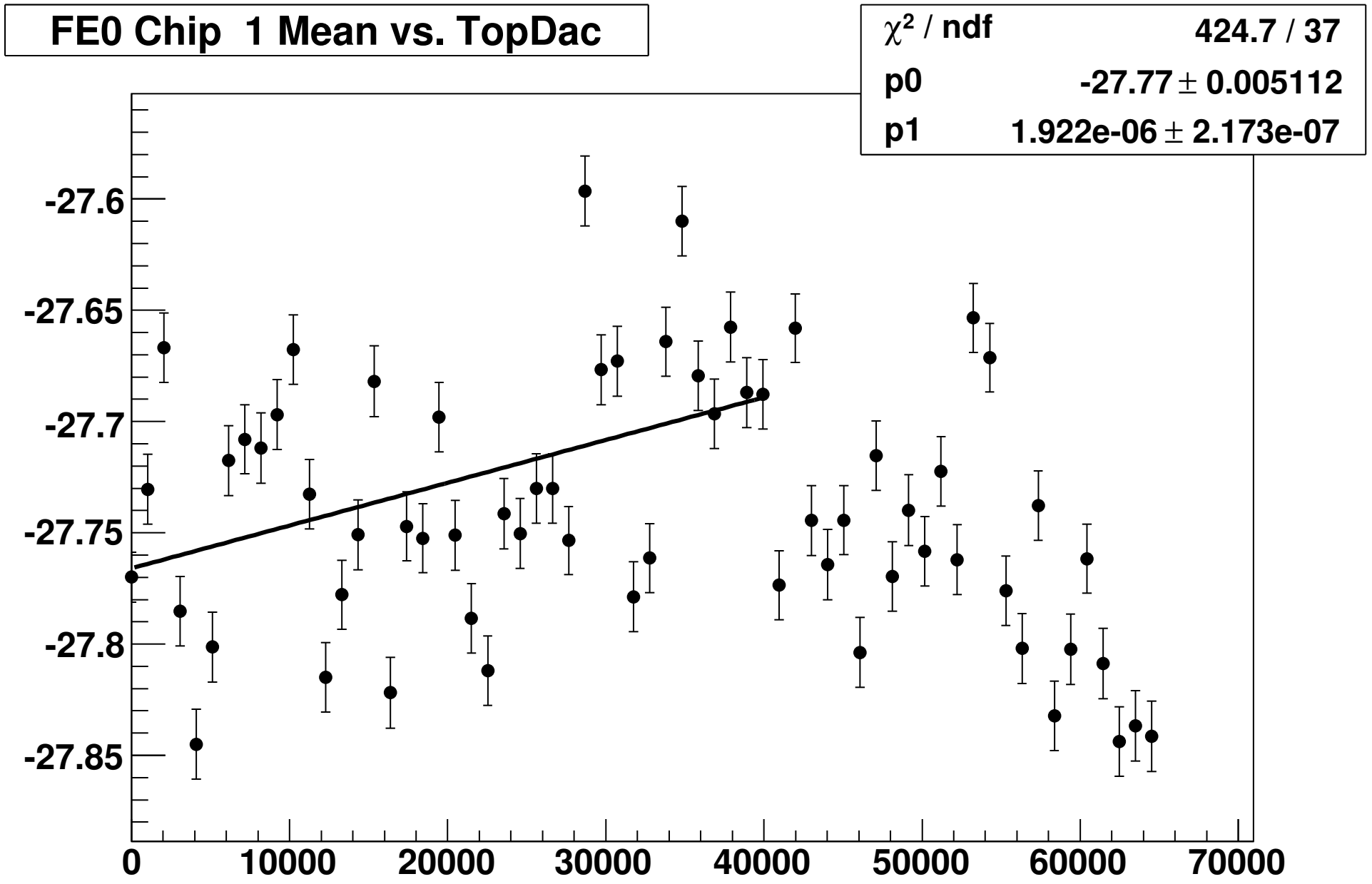
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 424.7 / 37
p0 -27.77 ± 0.005112
p1 1.922e-06 ± 2.173e-07
-27.6
-27.65
-27.7
-27.75
-27.8
-27.85
0
10000
20000
30000
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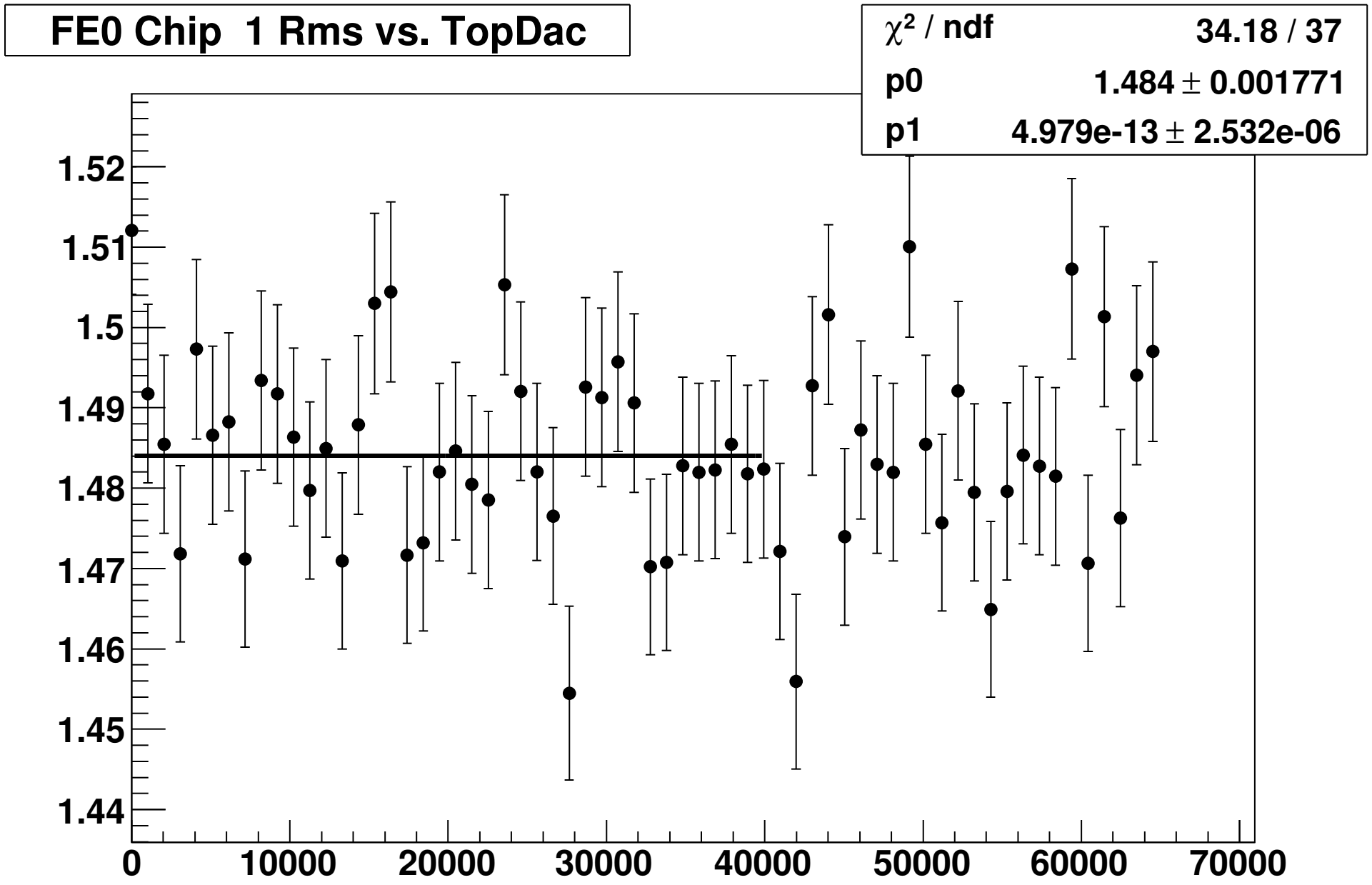
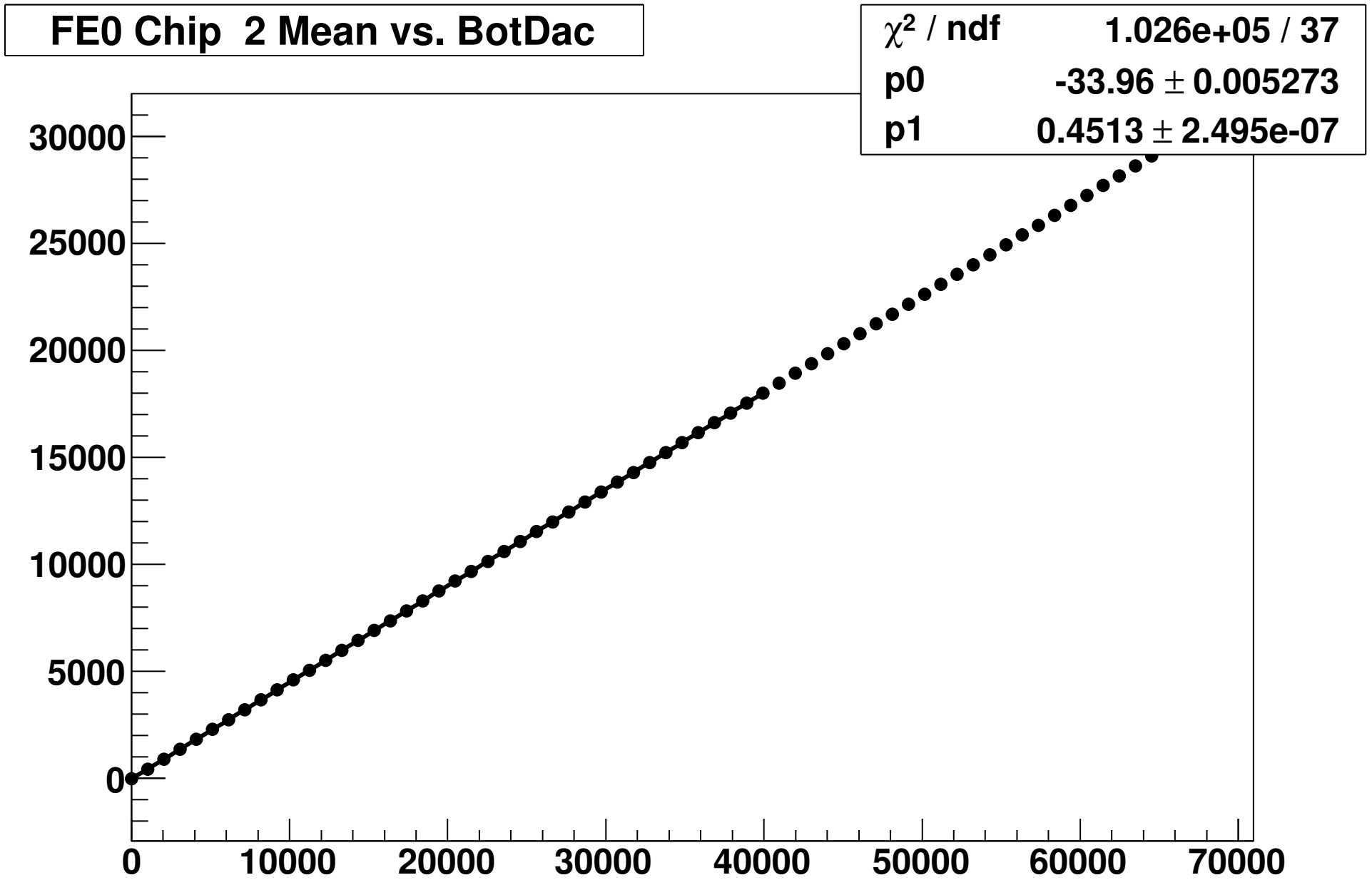
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 34.18 / 37
p0 1.484 ± 0.001771
p1 4.979e-13 ± 2.532e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.026e+05 / 37
p0 -33.96 ± 0.005273
p1 0.4513 ± 2.495e-07
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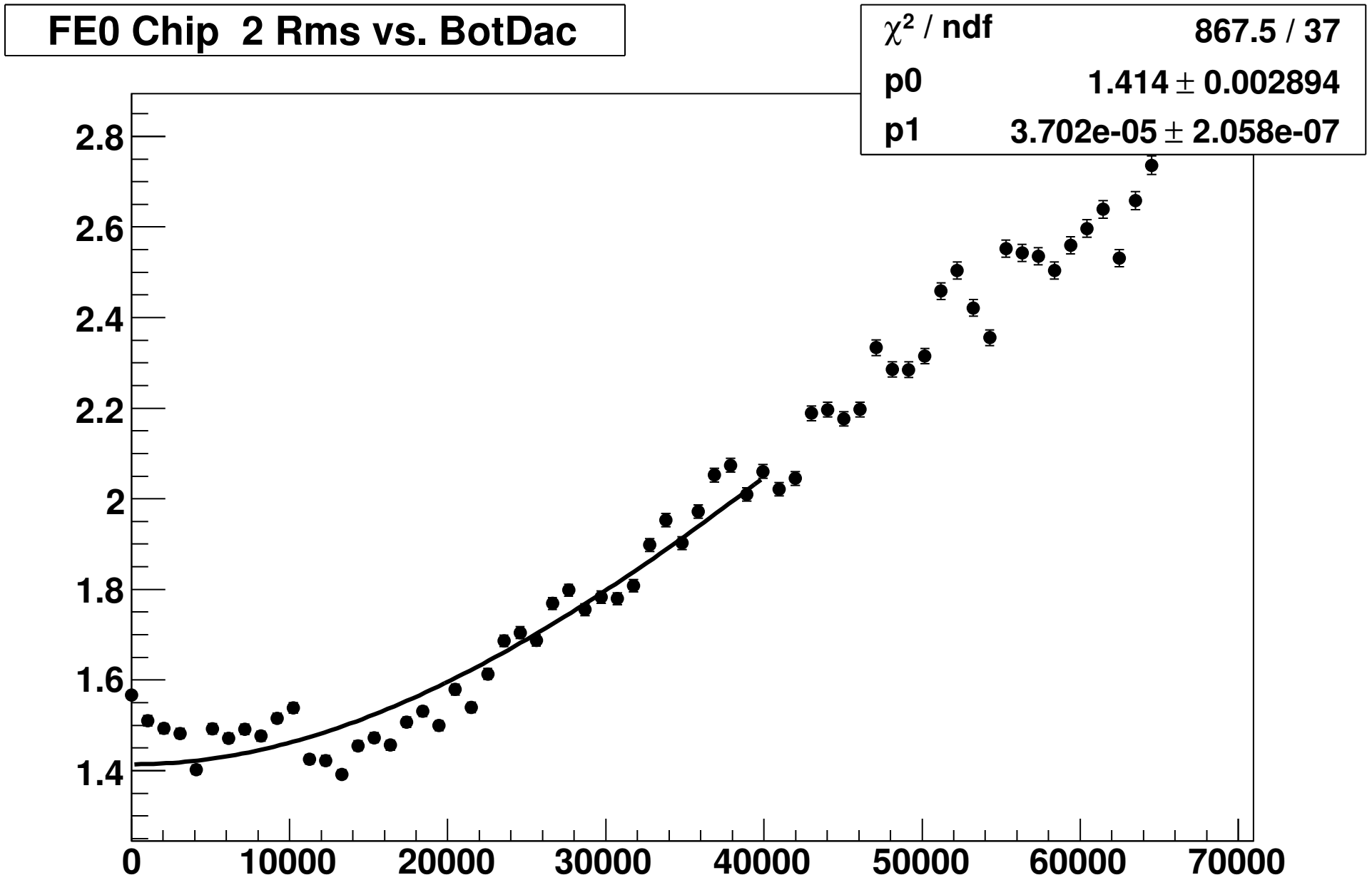
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 867.5 / 37
p0 1.414 ± 0.002894
p1 3.702e-05 ± 2.058e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
60000
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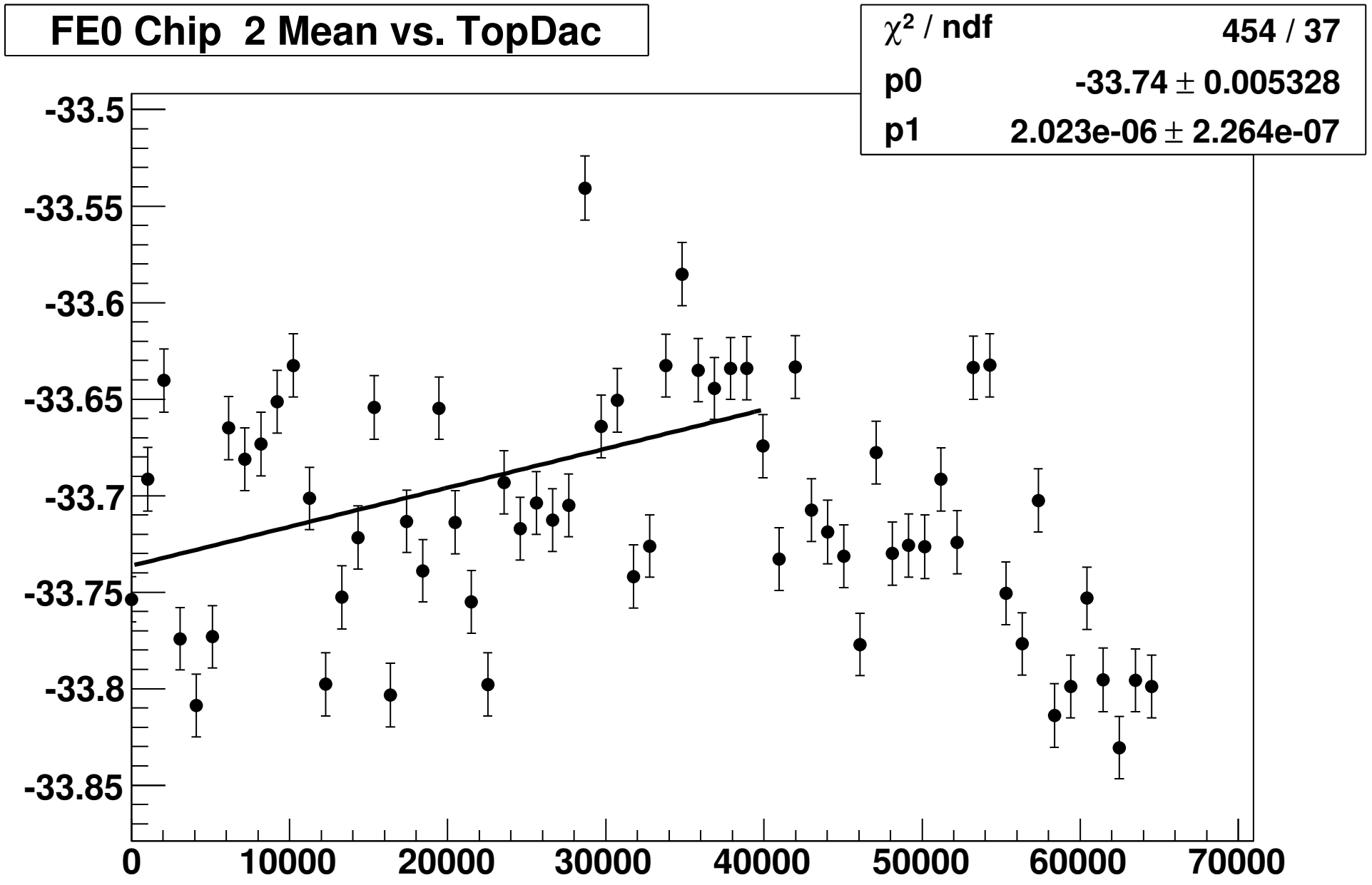
FE0 Chip 2 Mean vs. TopDac
χ² / ndf 454 / 37
p0 -33.74 ± 0.005328
p1 2.023e-06 ± 2.264e-07
-33.5
-33.55
-33.6
-33.65
-33.7
-33.75
-33.8
-33.85
0
10000
20000
30000
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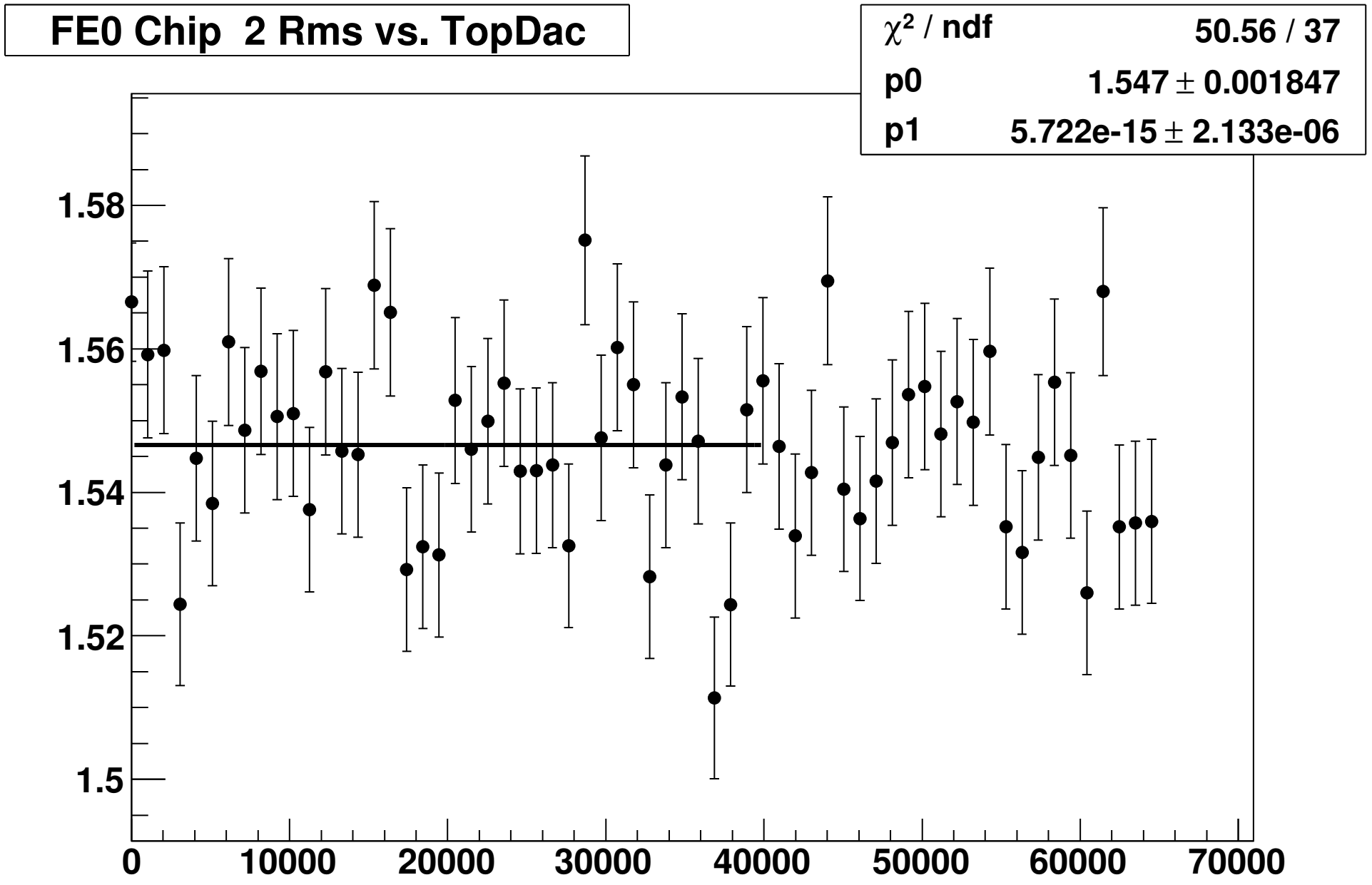
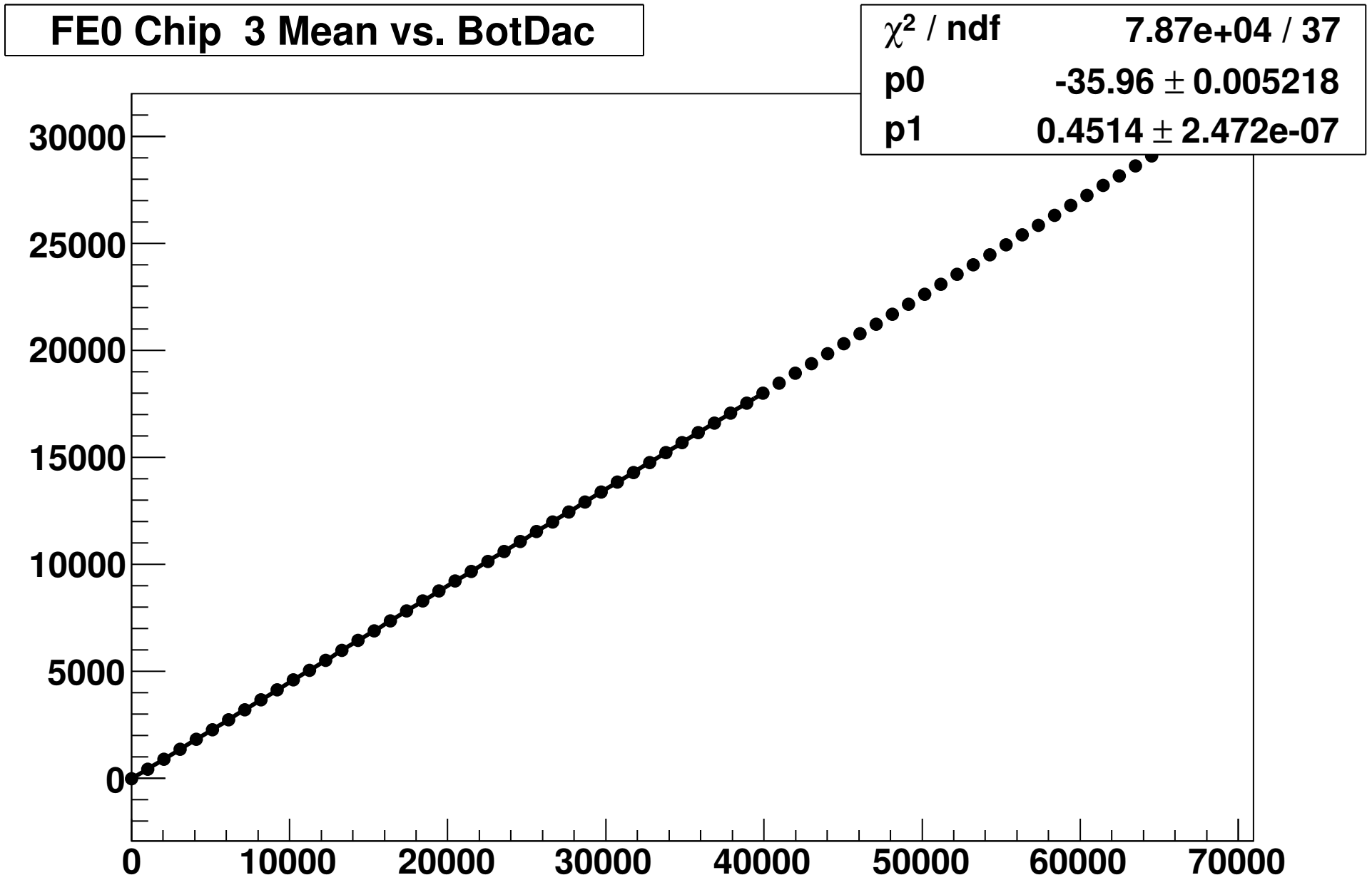
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 50.56 / 37
p0 1.547 ± 0.001847
p1 5.722e-15 ± 2.133e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 7.87e+04 / 37
p0 -35.96 ± 0.005218
p1 0.4514 ± 2.472e-07
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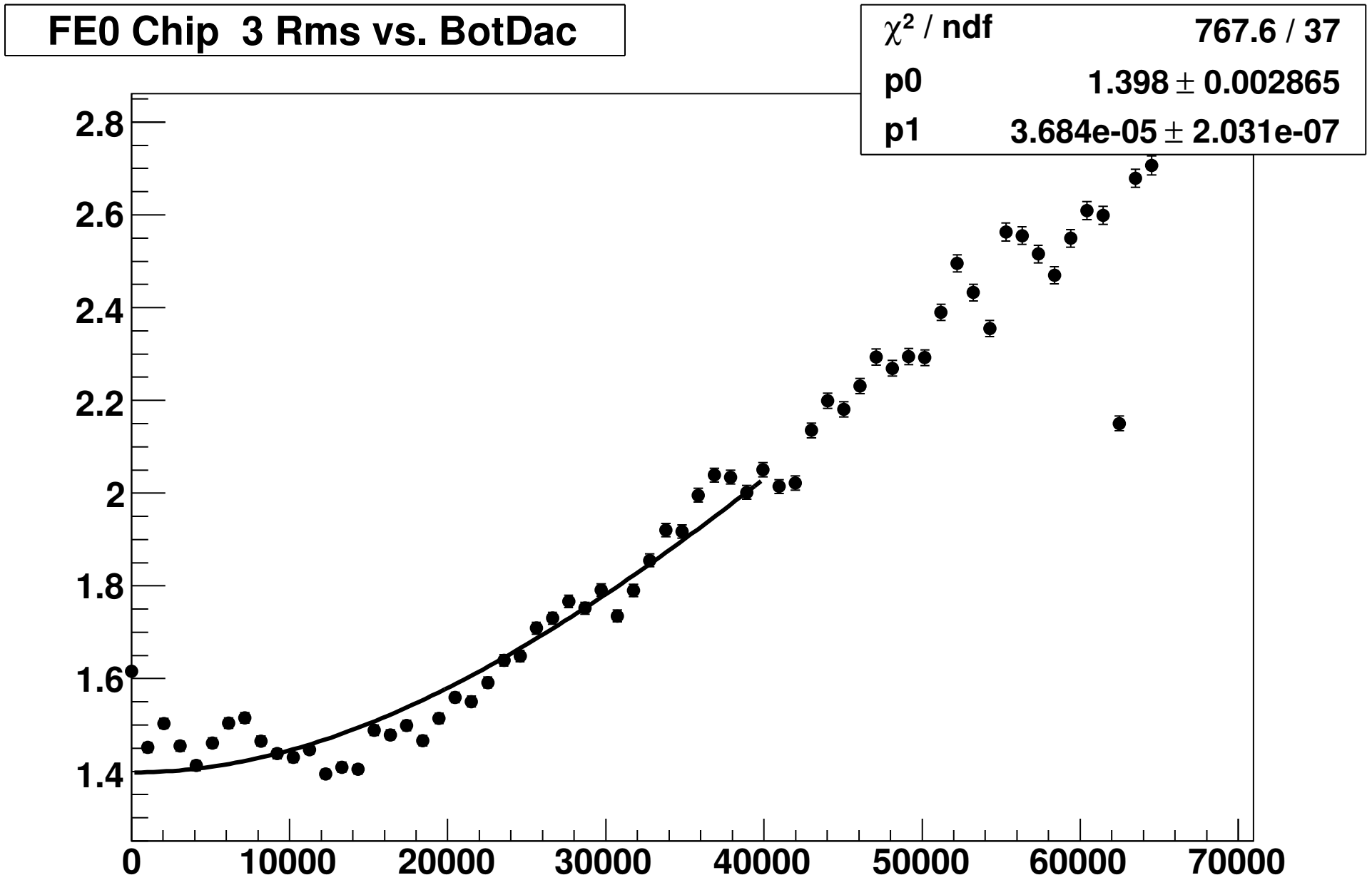
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 767.6 / 37
p0 1.398 ± 0.002865
p1 3.684e-05 ± 2.031e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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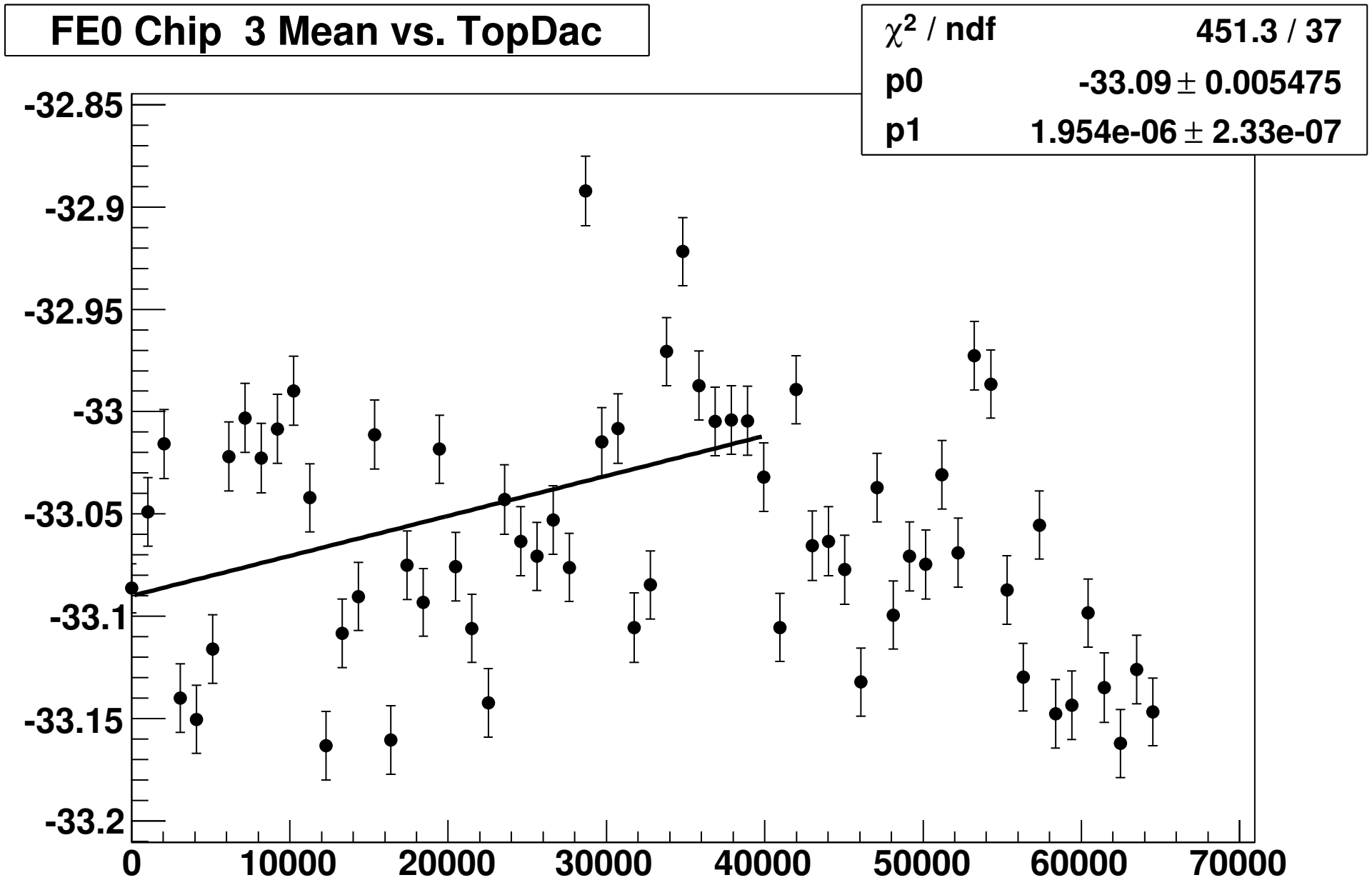
FE0 Chip 3 Mean vs. TopDac
χ² / ndf 451.3 / 37
p0 -33.09 ± 0.005475
p1 1.954e-06 ± 2.33e-07
-32.85
-32.9
-32.95
-33
-33.05
-33.1
-33.15
-33.2
0
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30000
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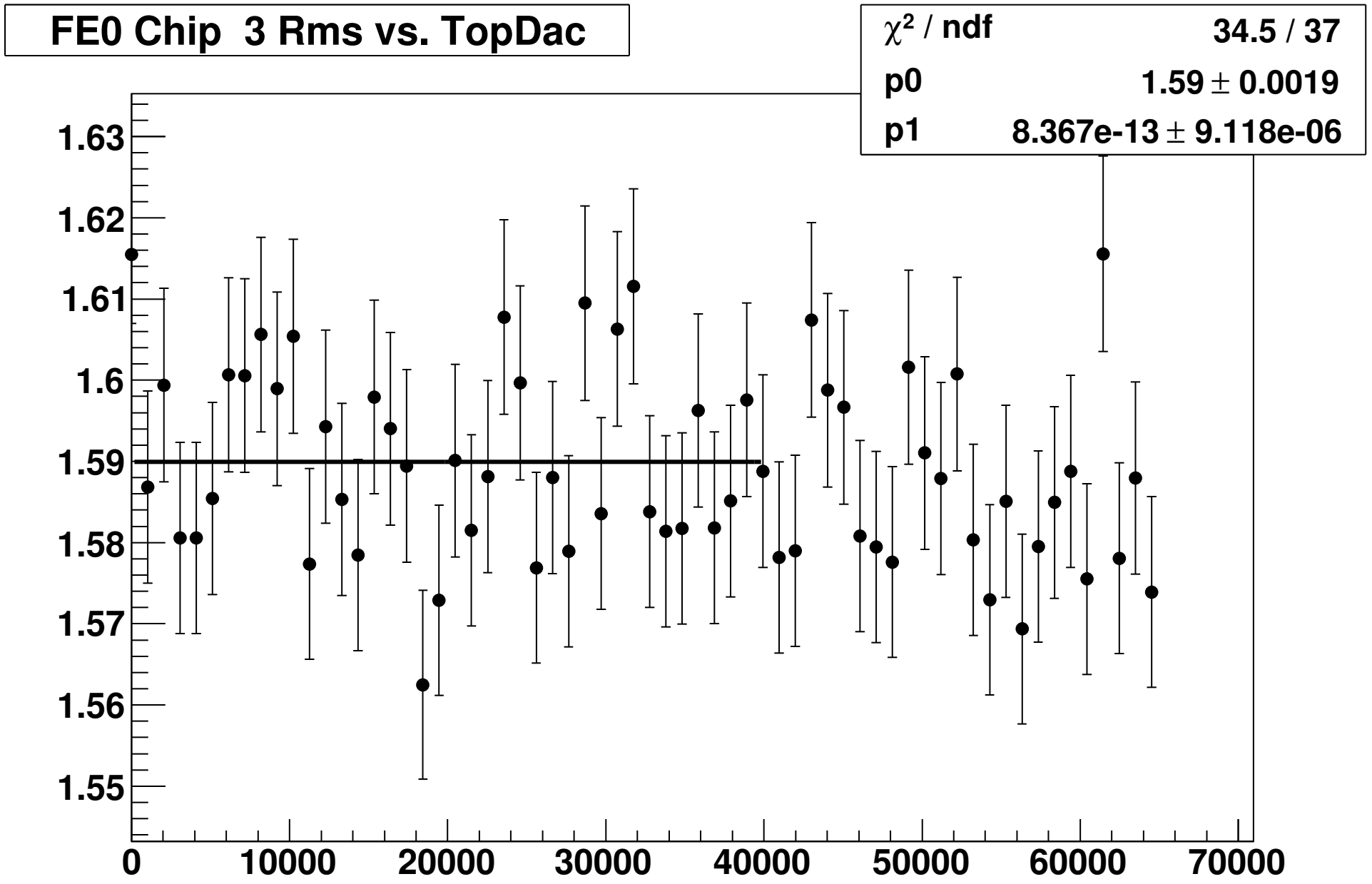
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 34.5 / 37
p0 1.59 ± 0.0019
p1 8.367e-13 ± 9.118e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
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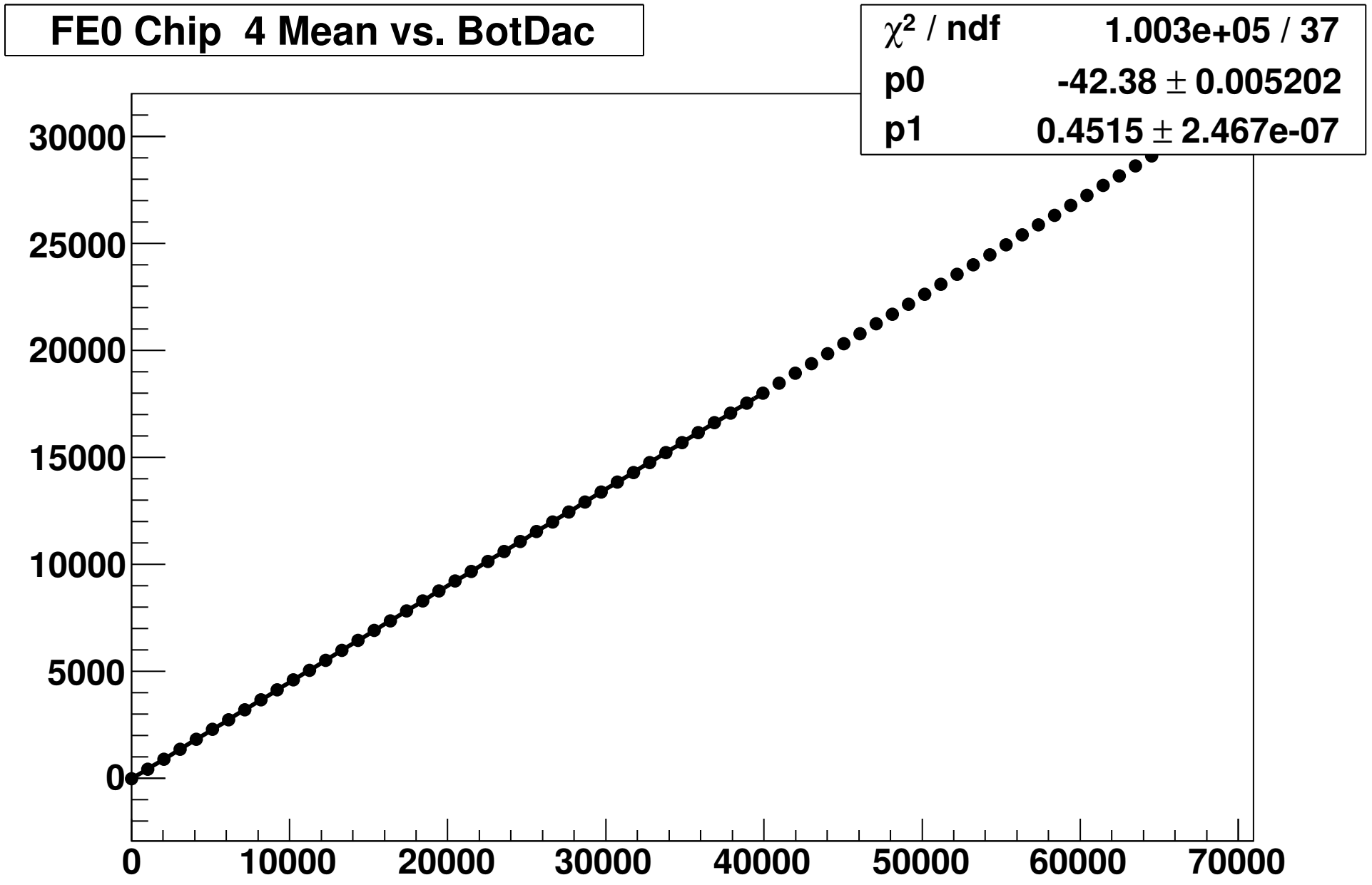
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.003e+05 / 37
p0 -42.38 ± 0.005202
p1 0.4515 ± 2.467e-07
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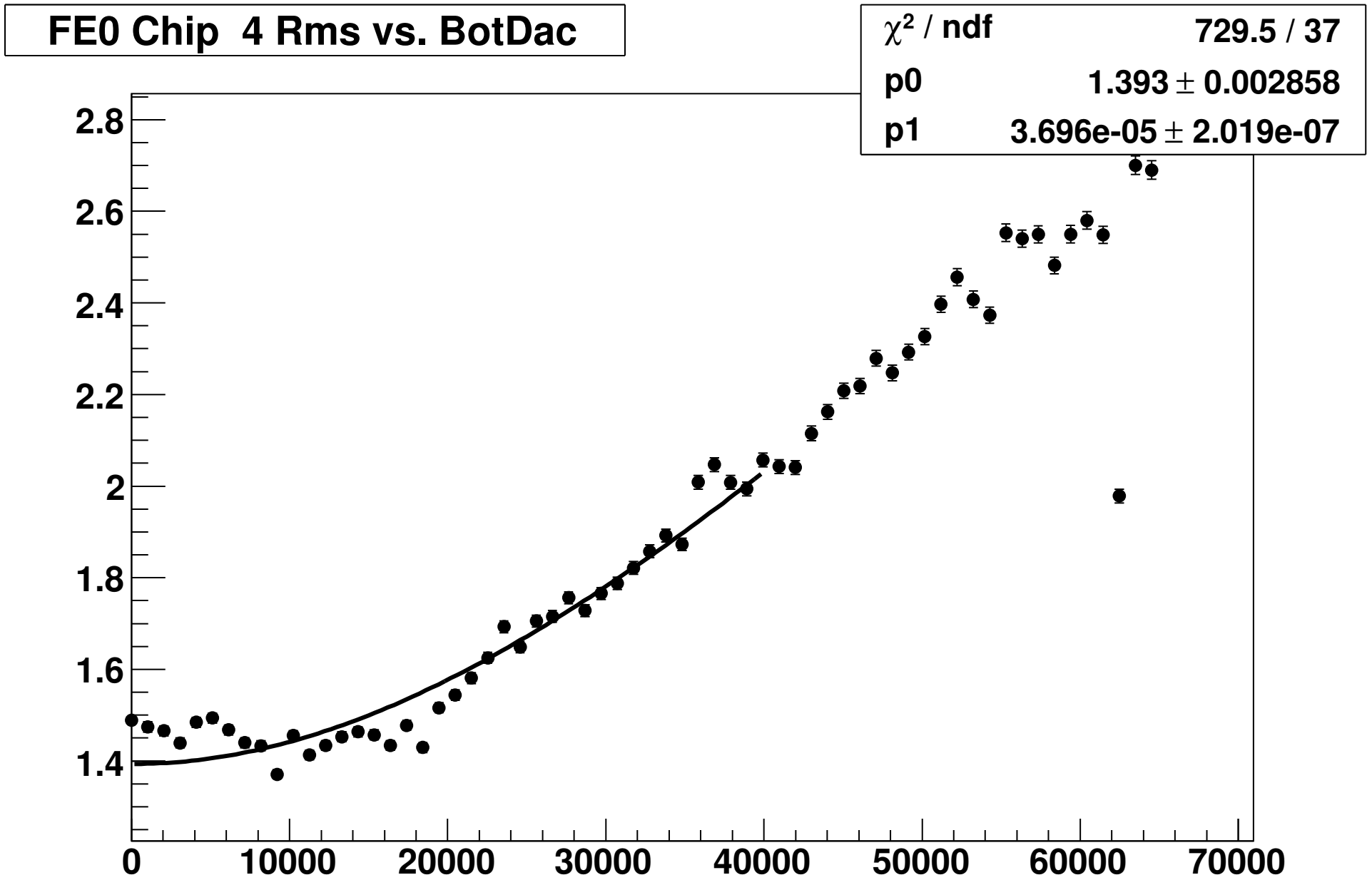
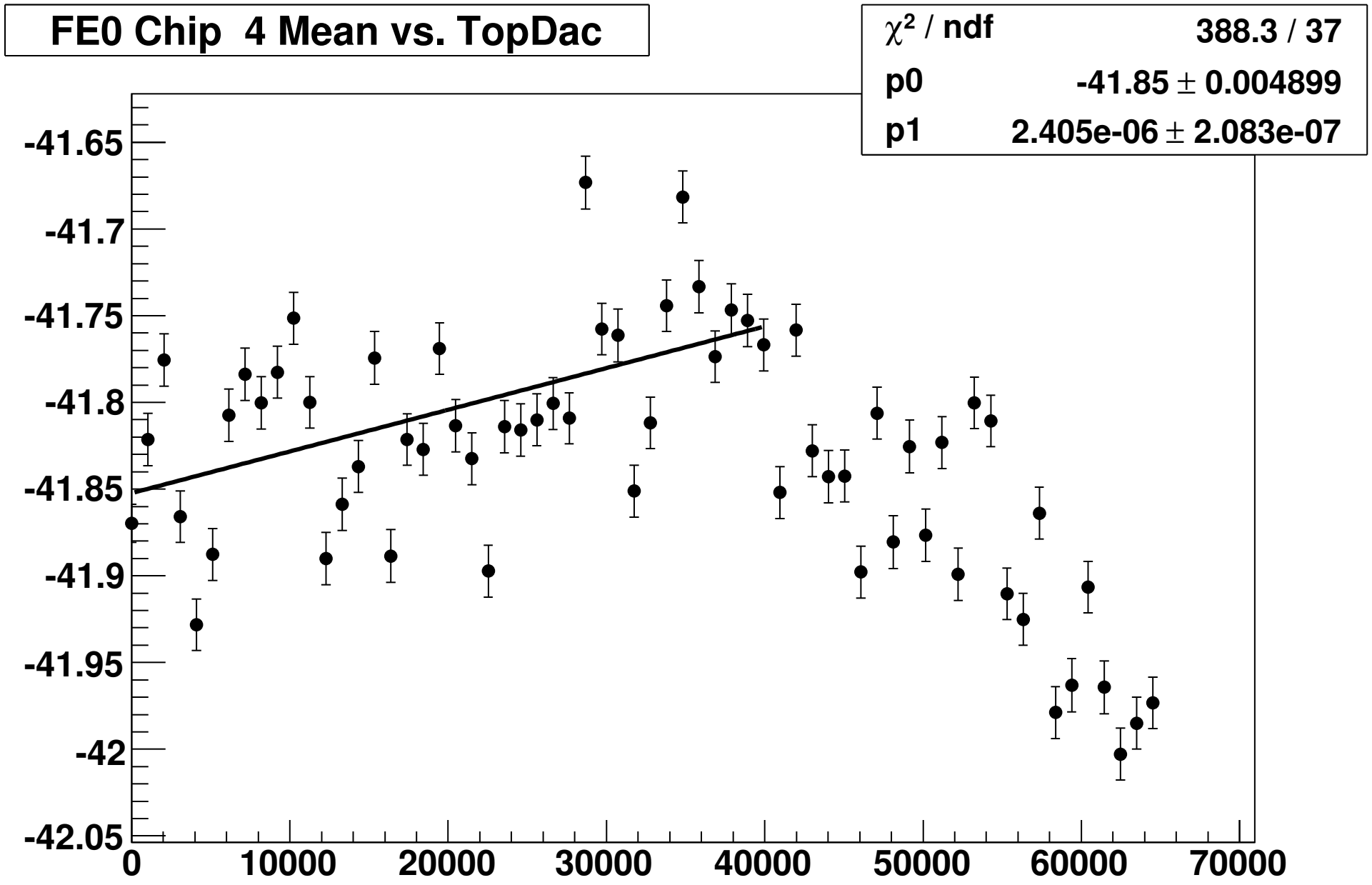
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 729.5 / 37
p0 1.393 ± 0.002858
p1 3.696e-05 ± 2.019e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 388.3 / 37
p0 -41.85 ± 0.004899
p1 2.405e-06 ± 2.083e-07
-41.65
-41.7
-41.75
-41.8
-41.85
-41.9
-41.95
-42
-42.05
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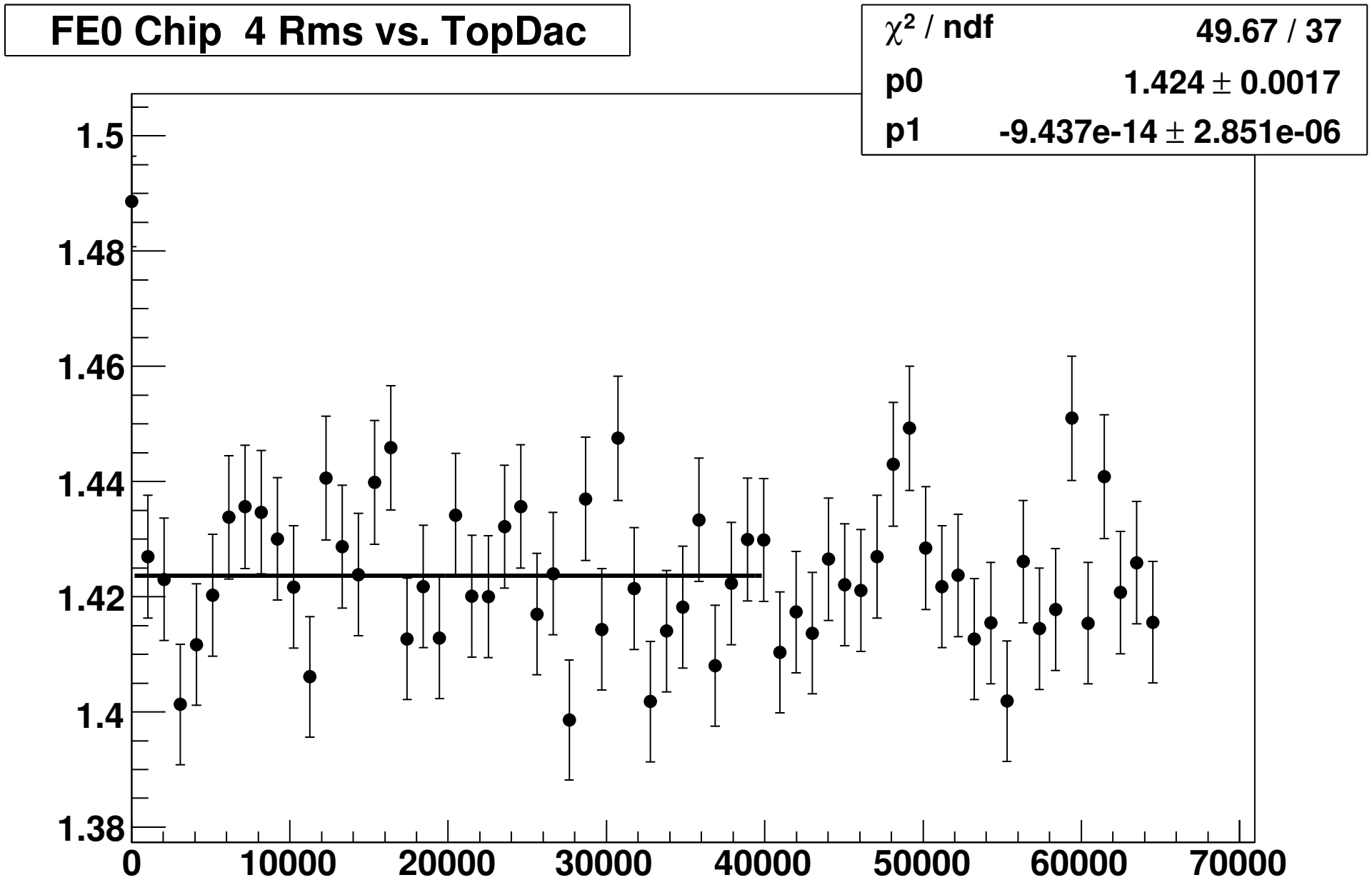
FE0 Chip 4 Rms vs. TopDac
χ² / ndf 49.67 / 37
p0 1.424 ± 0.0017
p1 -9.437e-14 ± 2.851e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
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50000
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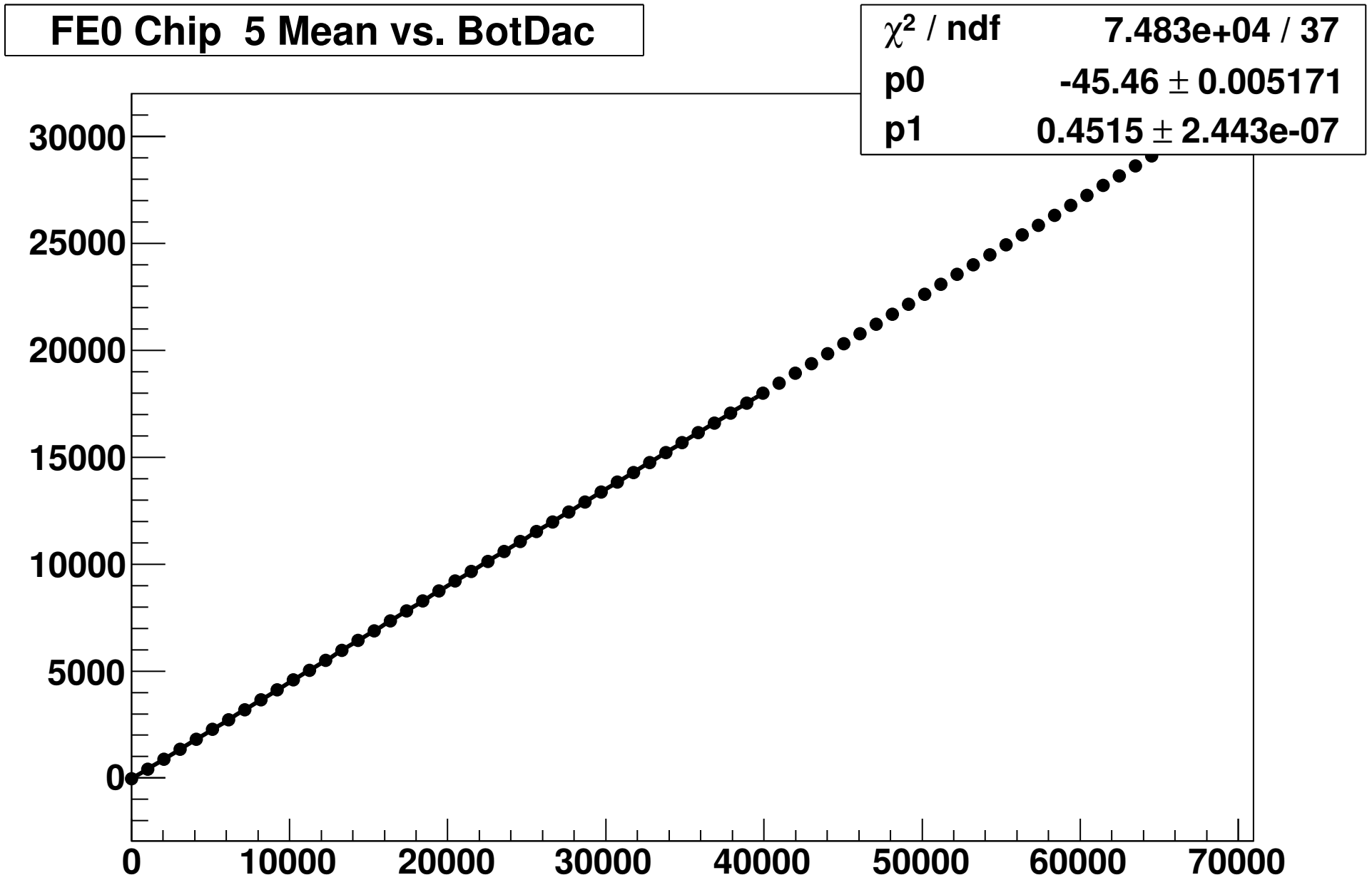
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 7.483e+04 / 37
p0 -45.46 ± 0.005171
p1 0.4515 ± 2.443e-07
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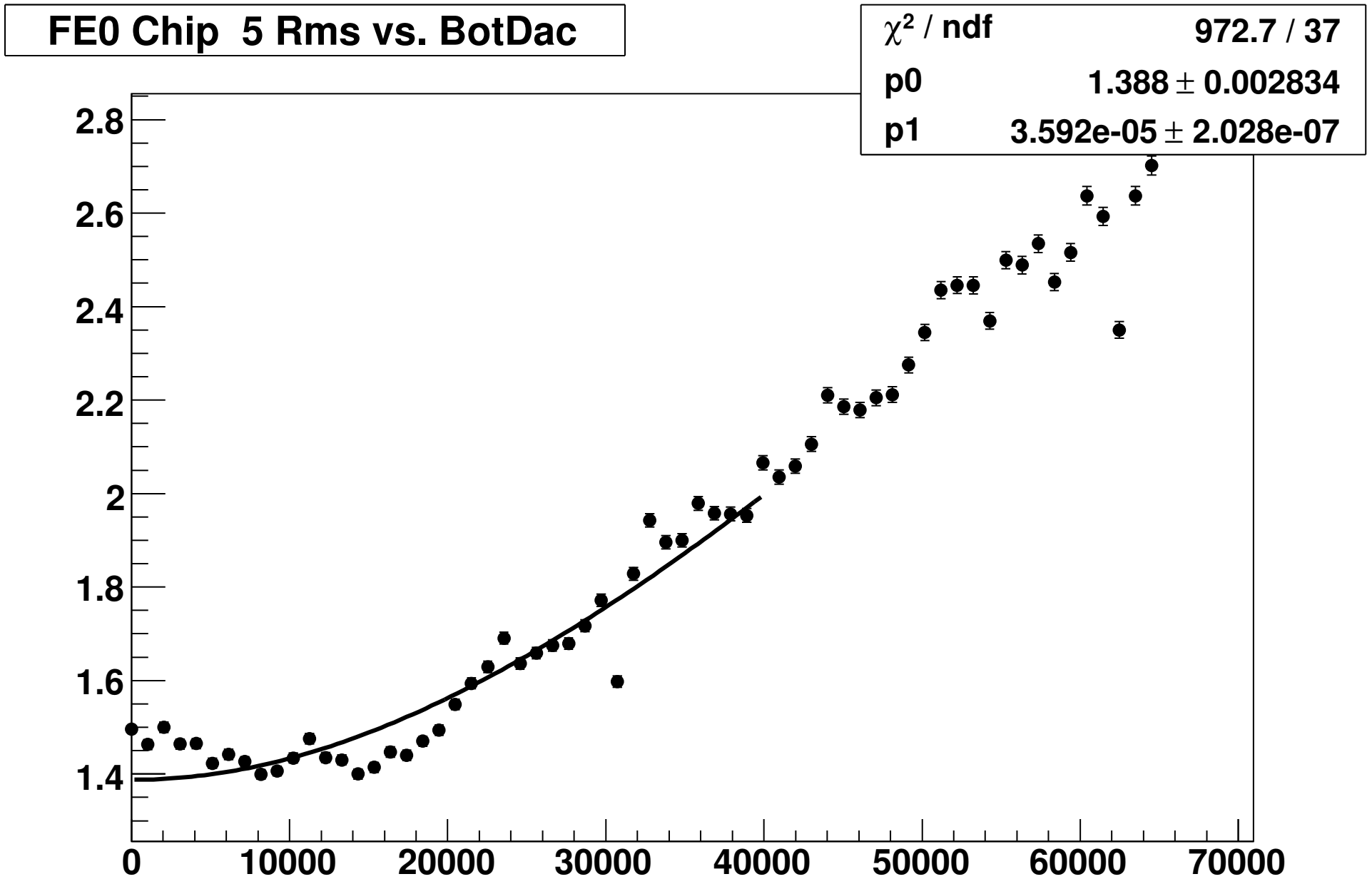
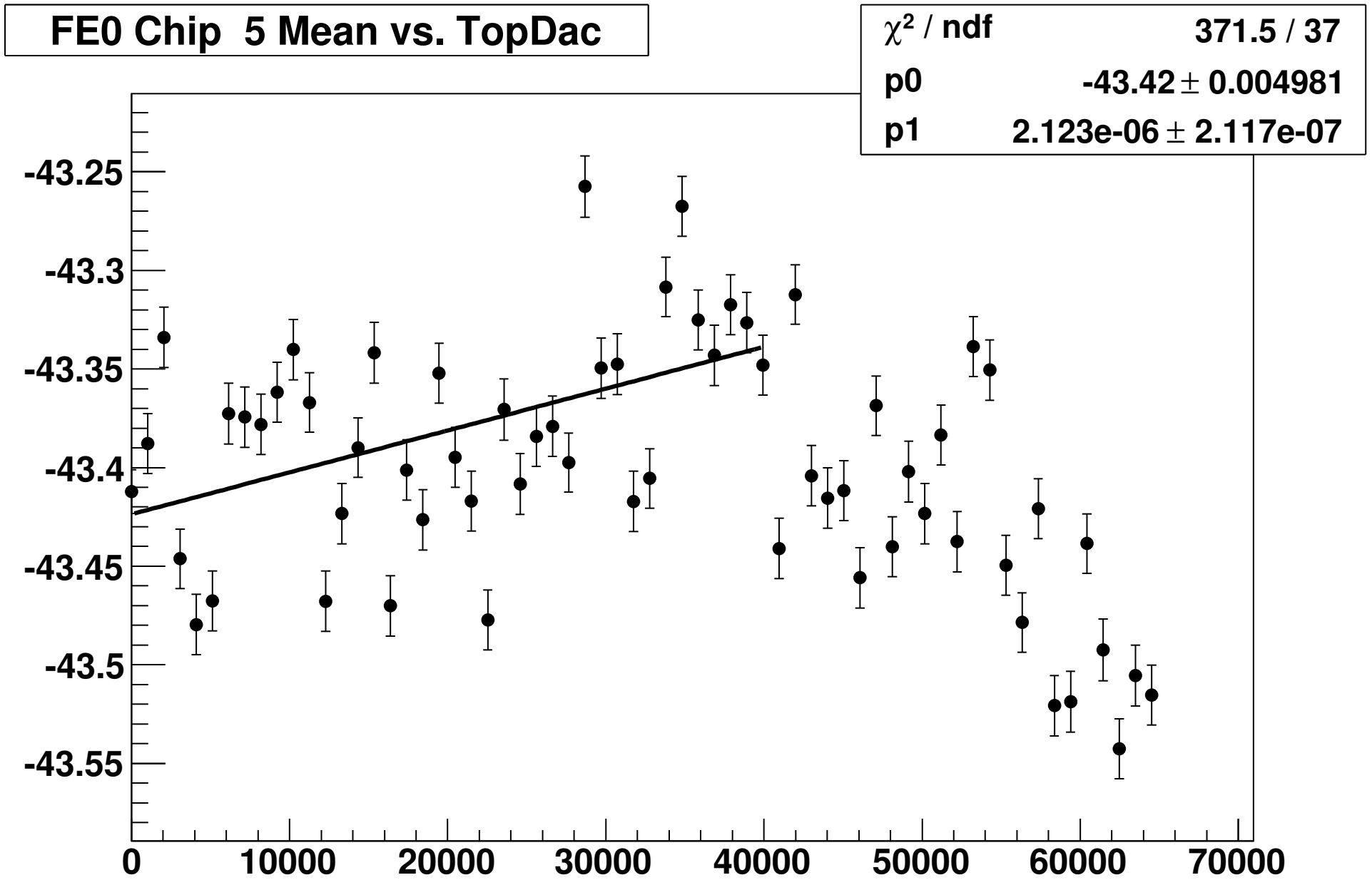
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 972.7 / 37
p0 1.388 ± 0.002834
p1 3.592e-05 ± 2.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 371.5 / 37
p0 -43.42 ± 0.004981
p1 2.123e-06 ± 2.117e-07
-43.25
-43.3
-43.35
-43.4
-43.45
-43.5
-43.55
0
10000
20000
30000
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50000
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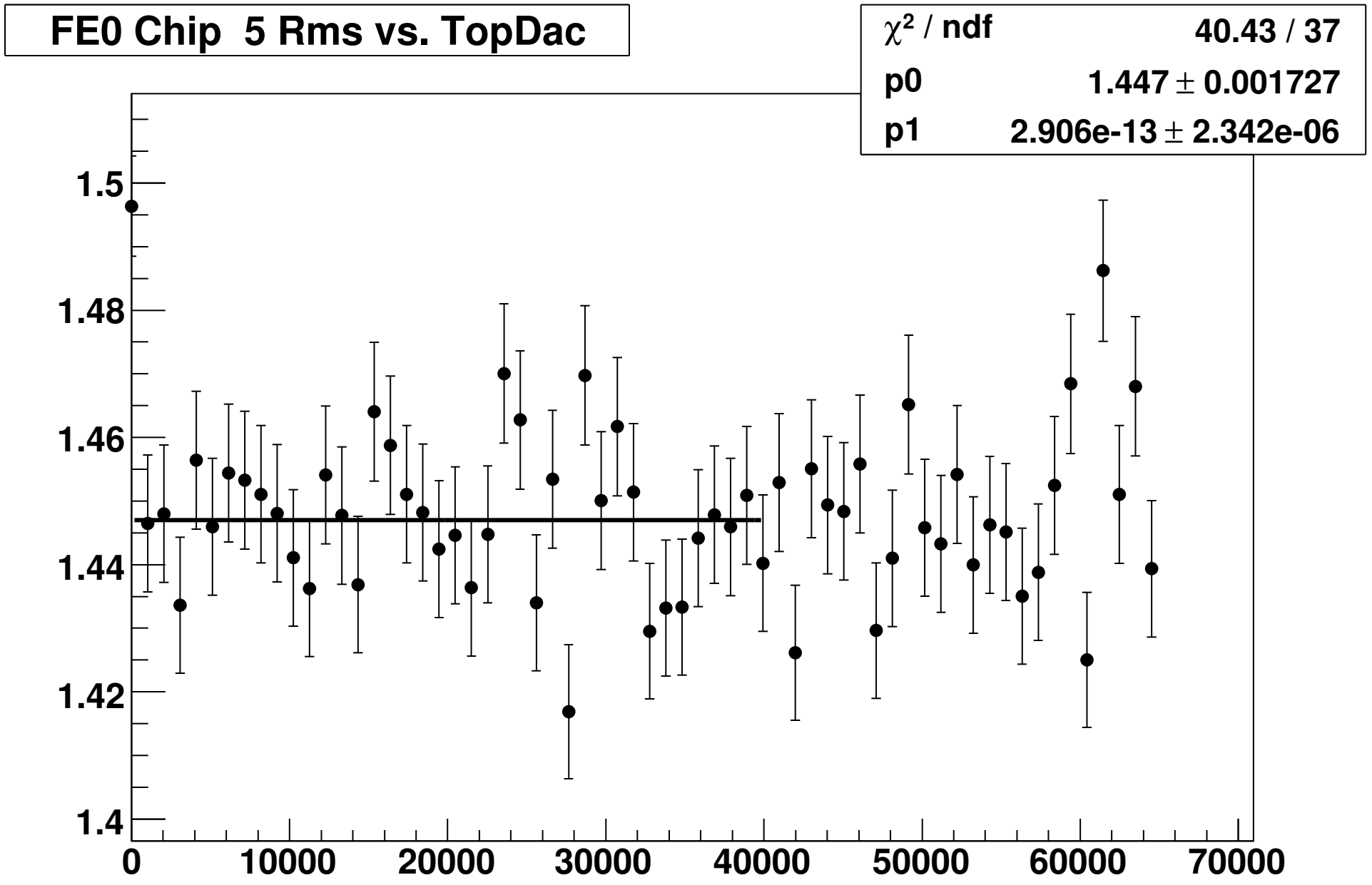
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 40.43 / 37
p0 1.447 ± 0.001727
p1 2.906e-13 ± 2.342e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
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50000
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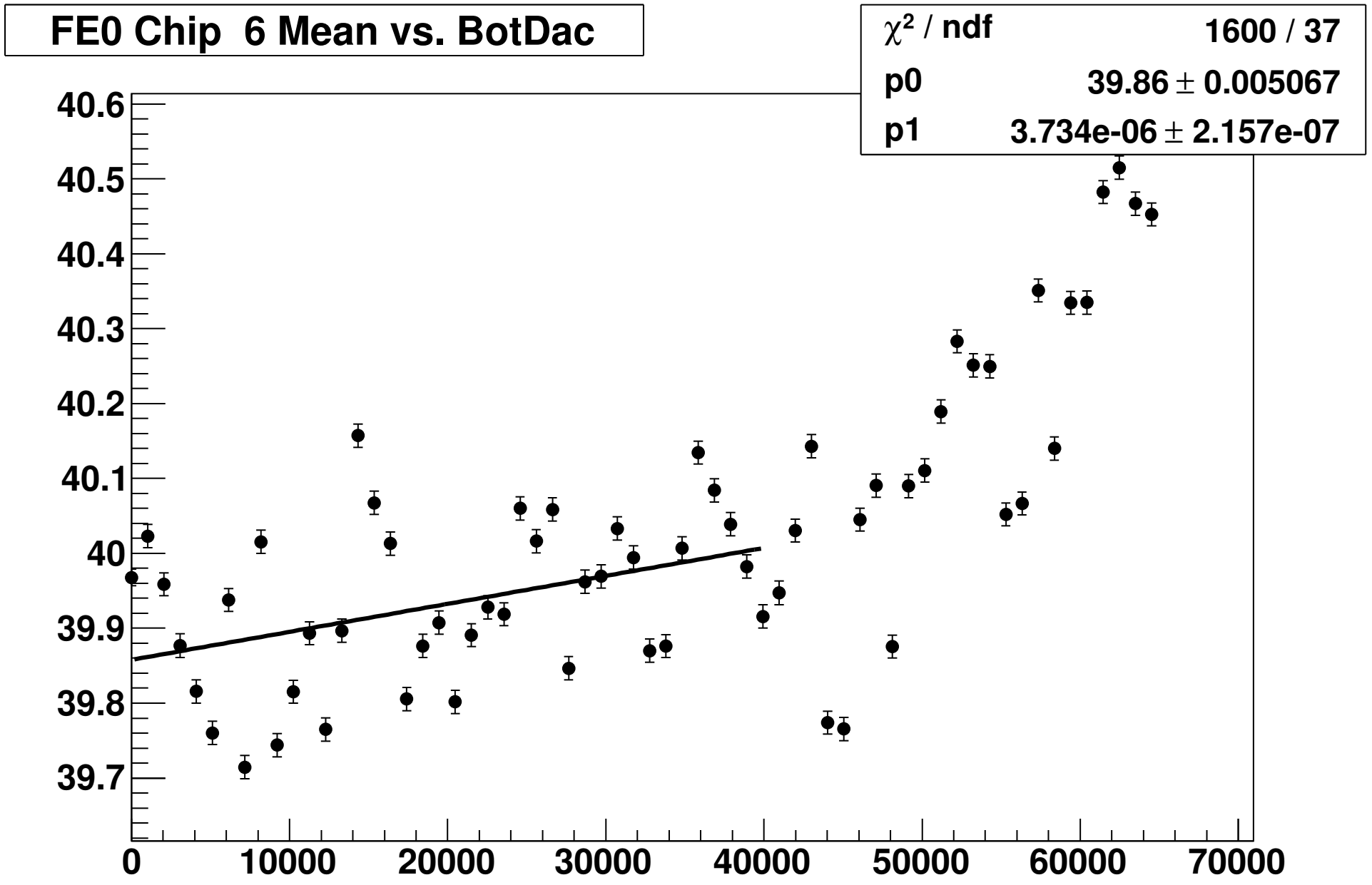
FE0 Chip 6 Mean vs. BotDac
χ² / ndf 1600 / 37
p0 39.86 ± 0.005067
p1 3.734e-06 ± 2.157e-07
40.6
40.5
40.4
40.3
40.2
40.1
40
39.9
39.8
39.7
0
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20000
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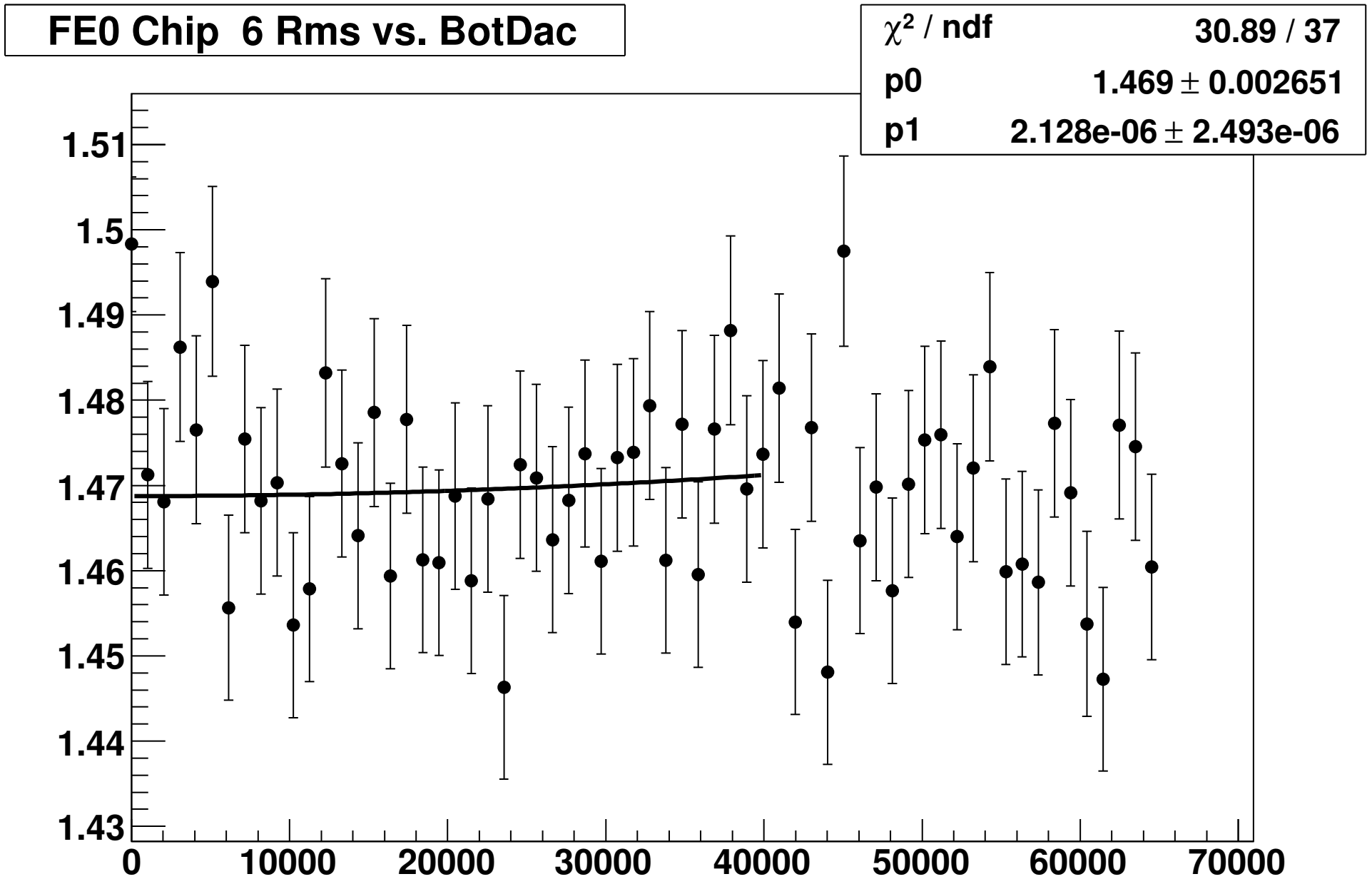
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 30.89 / 37
p0 1.469 ± 0.002651
p1 2.128e-06 ± 2.493e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
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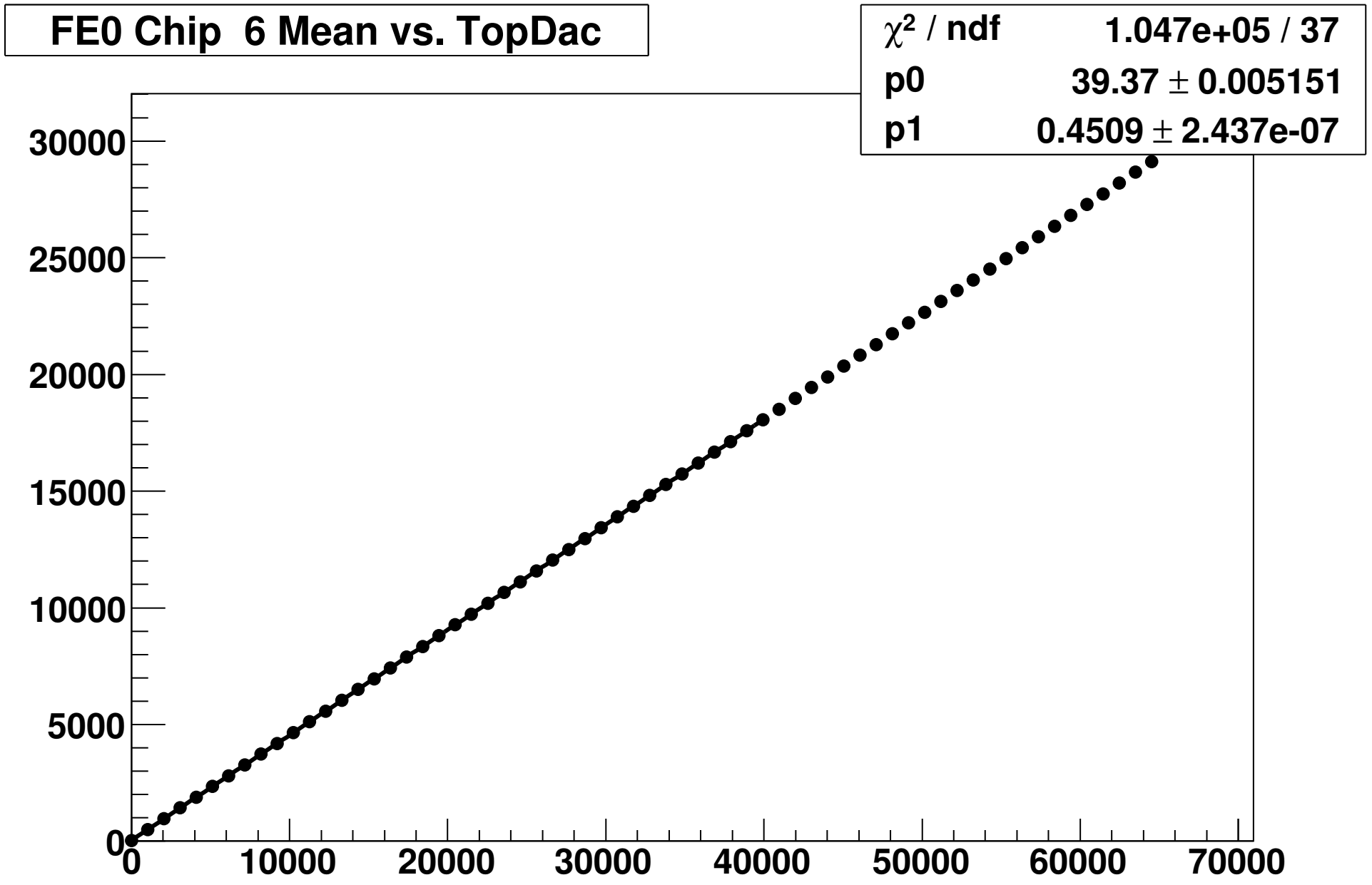
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.047e+05 / 37
p0 39.37 ± 0.005151
p1 0.4509 ± 2.437e-07
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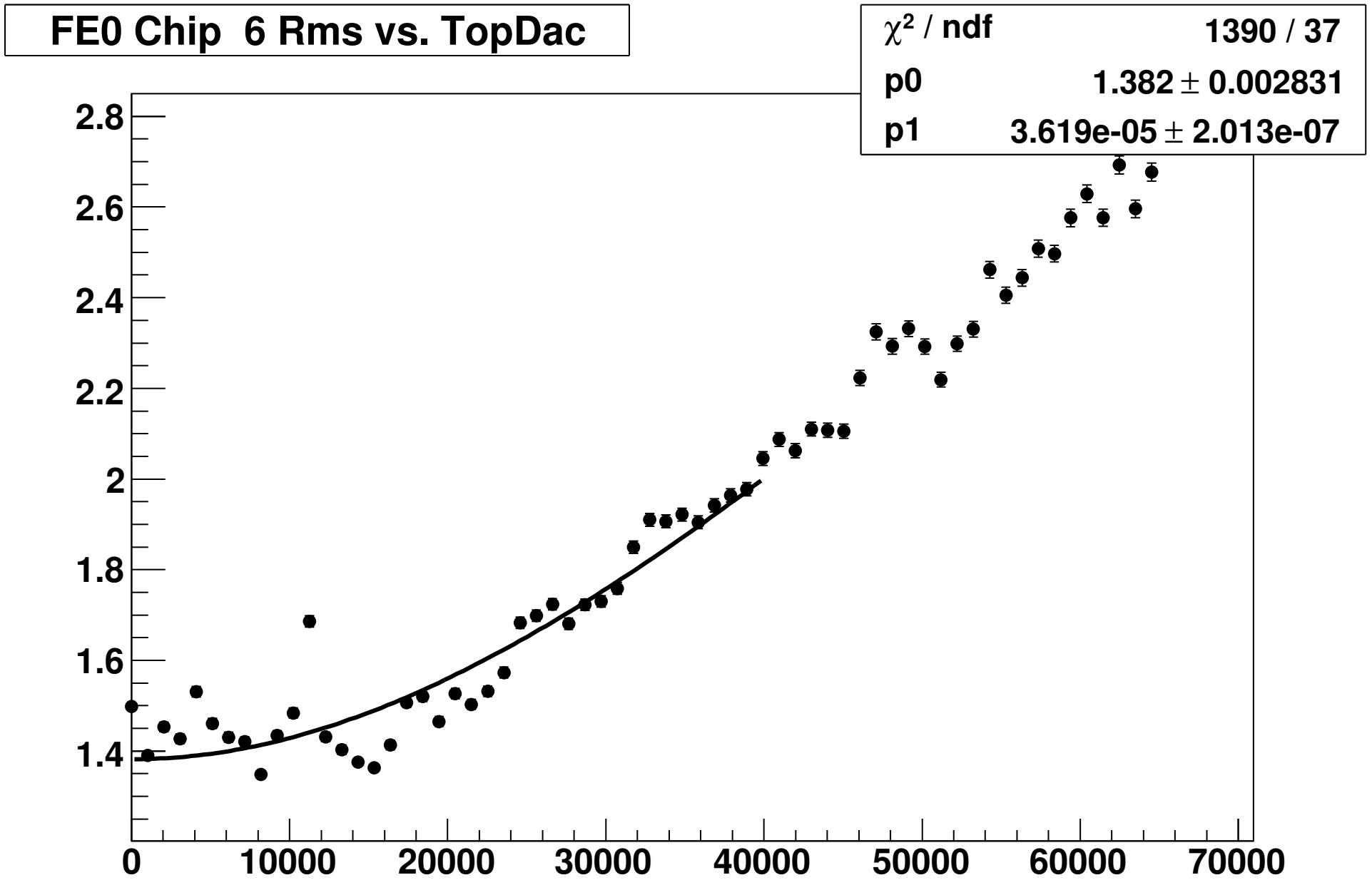
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1390 / 37
p0 1.382 ± 0.002831
p1 3.619e-05 ± 2.013e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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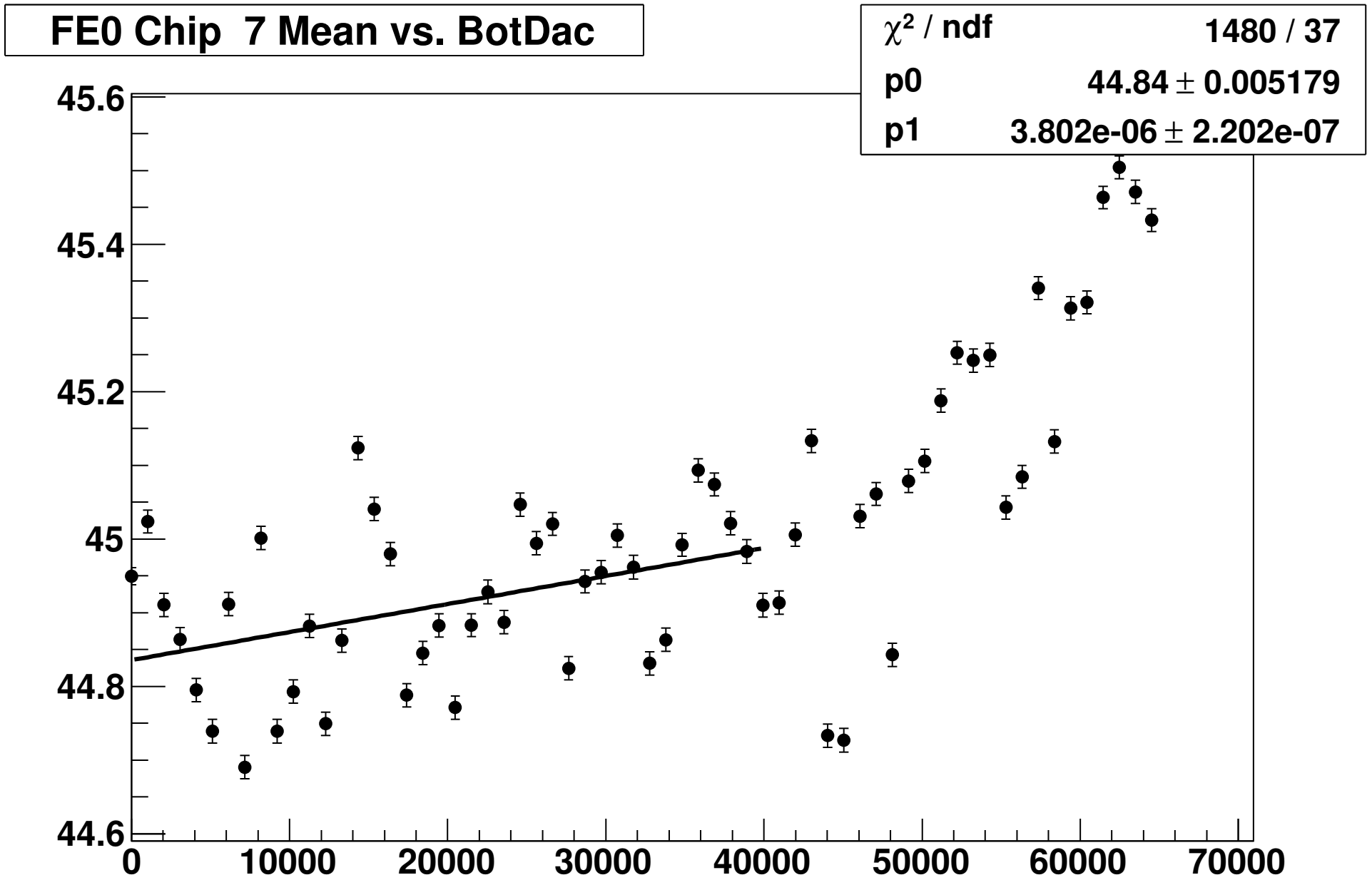
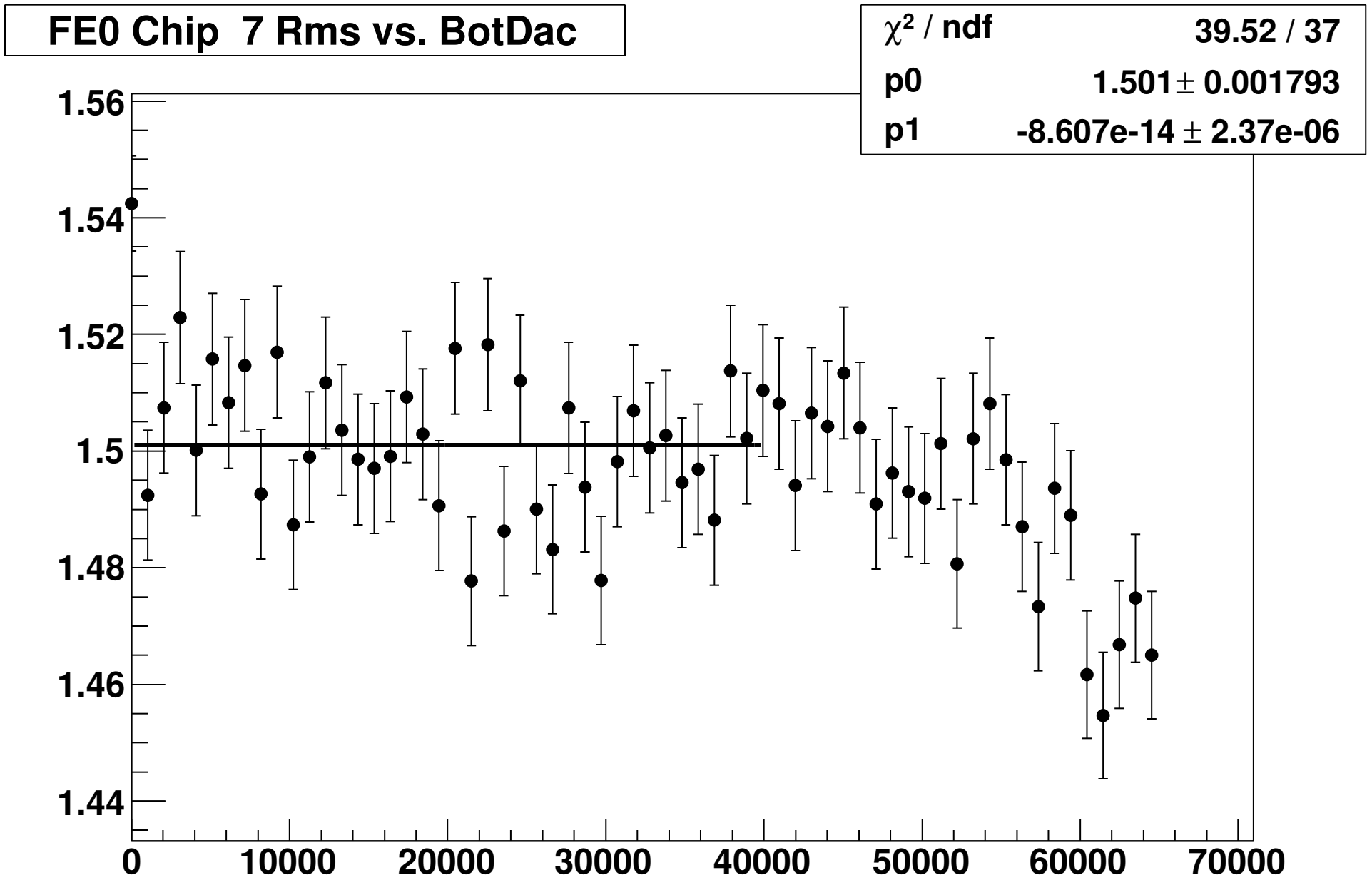
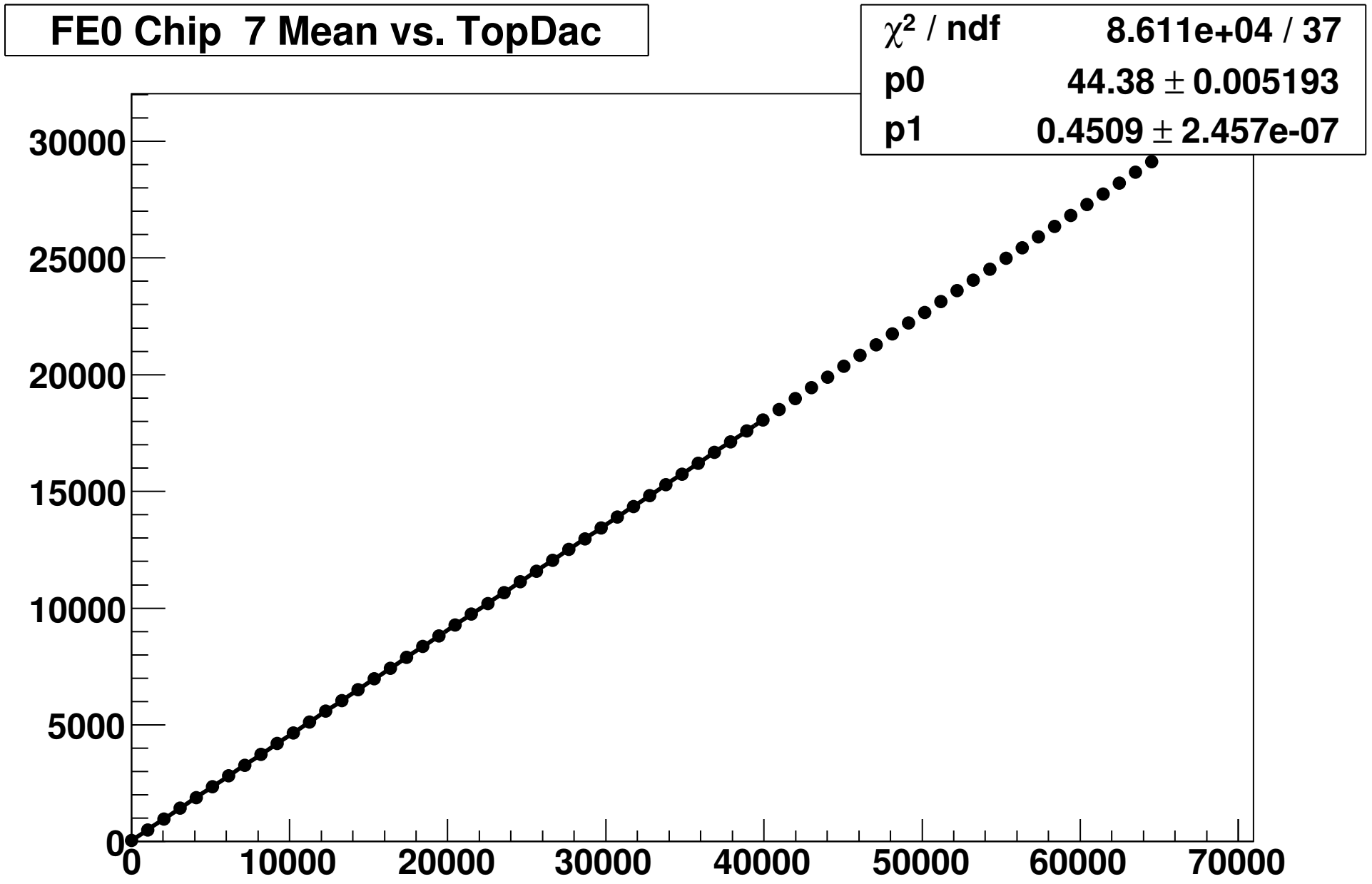
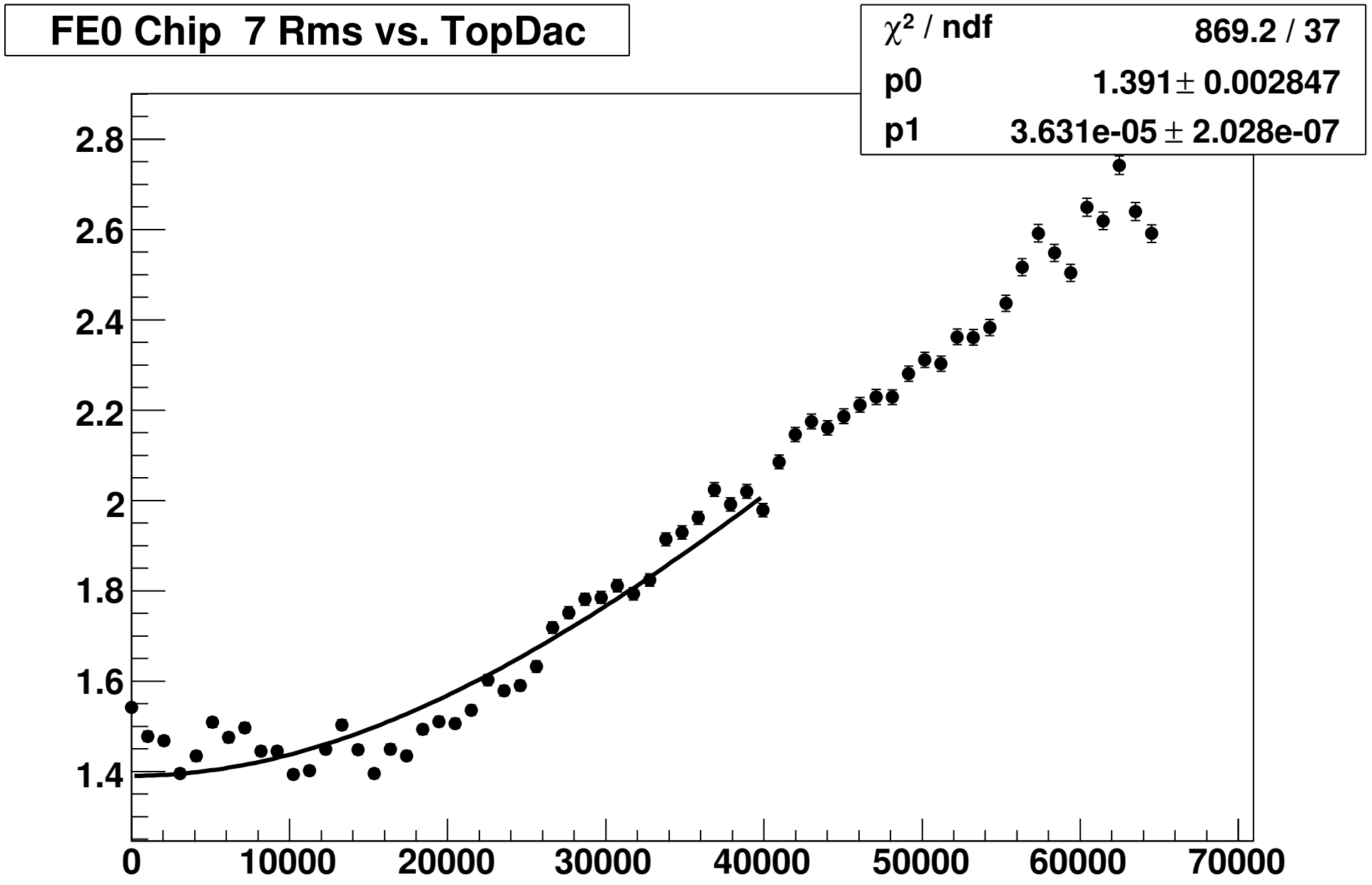
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 1480 / 37
p0 44.84 ± 0.005179
p1 3.802e-06 ± 2.202e-07
45.6
45.4
45.2
45
44.8
44.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 39.52 / 37
p0 1.501 ± 0.001793
p1 -8.607e-14 ± 2.37e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 8.611e+04 / 37
p0 44.38 ± 0.005193
p1 0.4509 ± 2.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 869.2 / 37
p0 1.391 ± 0.002847
p1 3.631e-05 ± 2.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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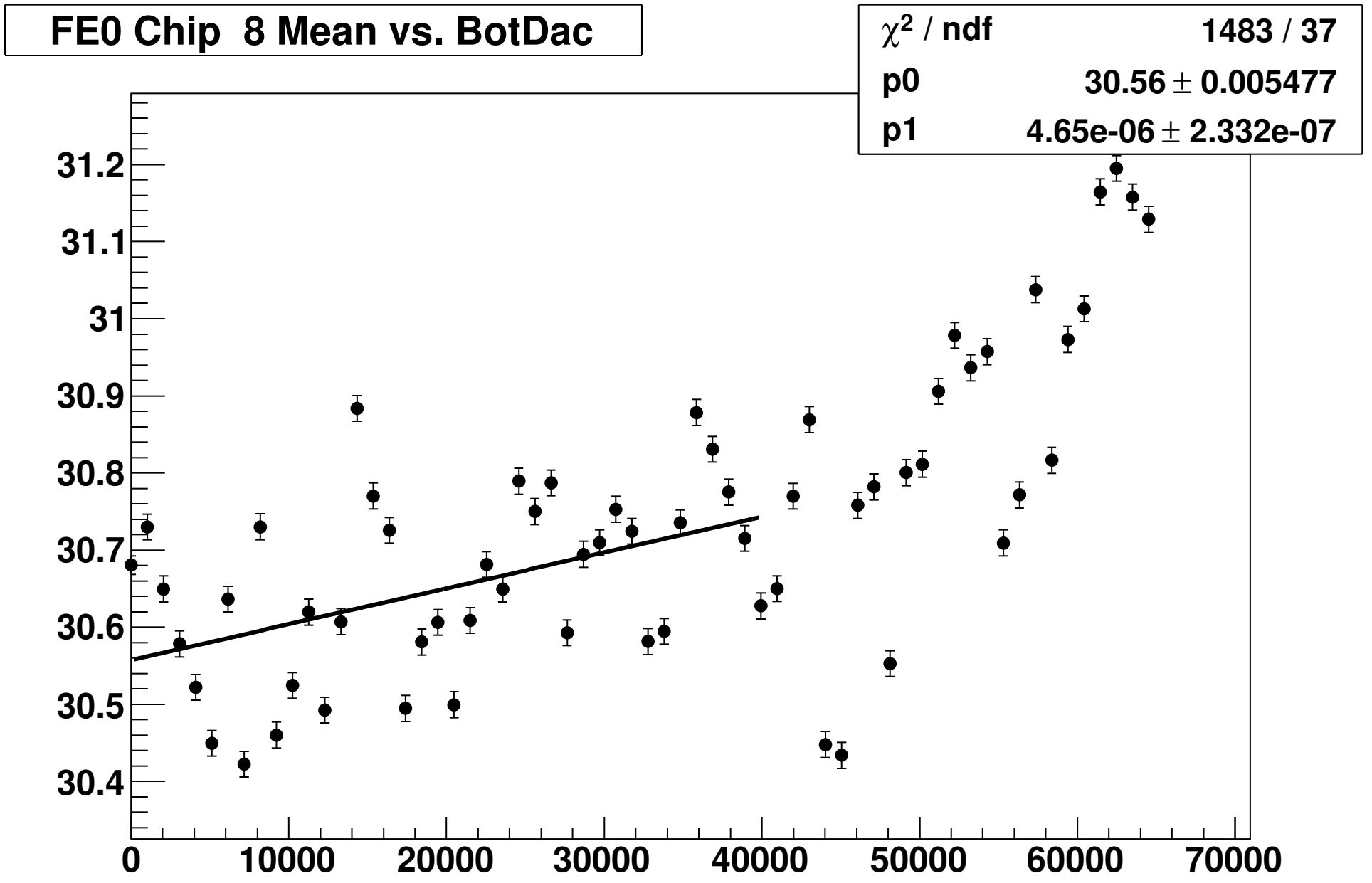
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 1483 / 37
p0 30.56 ± 0.005477
p1 4.65e-06 ± 2.332e-07
31.2
31.1
31
30.9
30.8
30.7
30.6
30.5
30.4
0
10000
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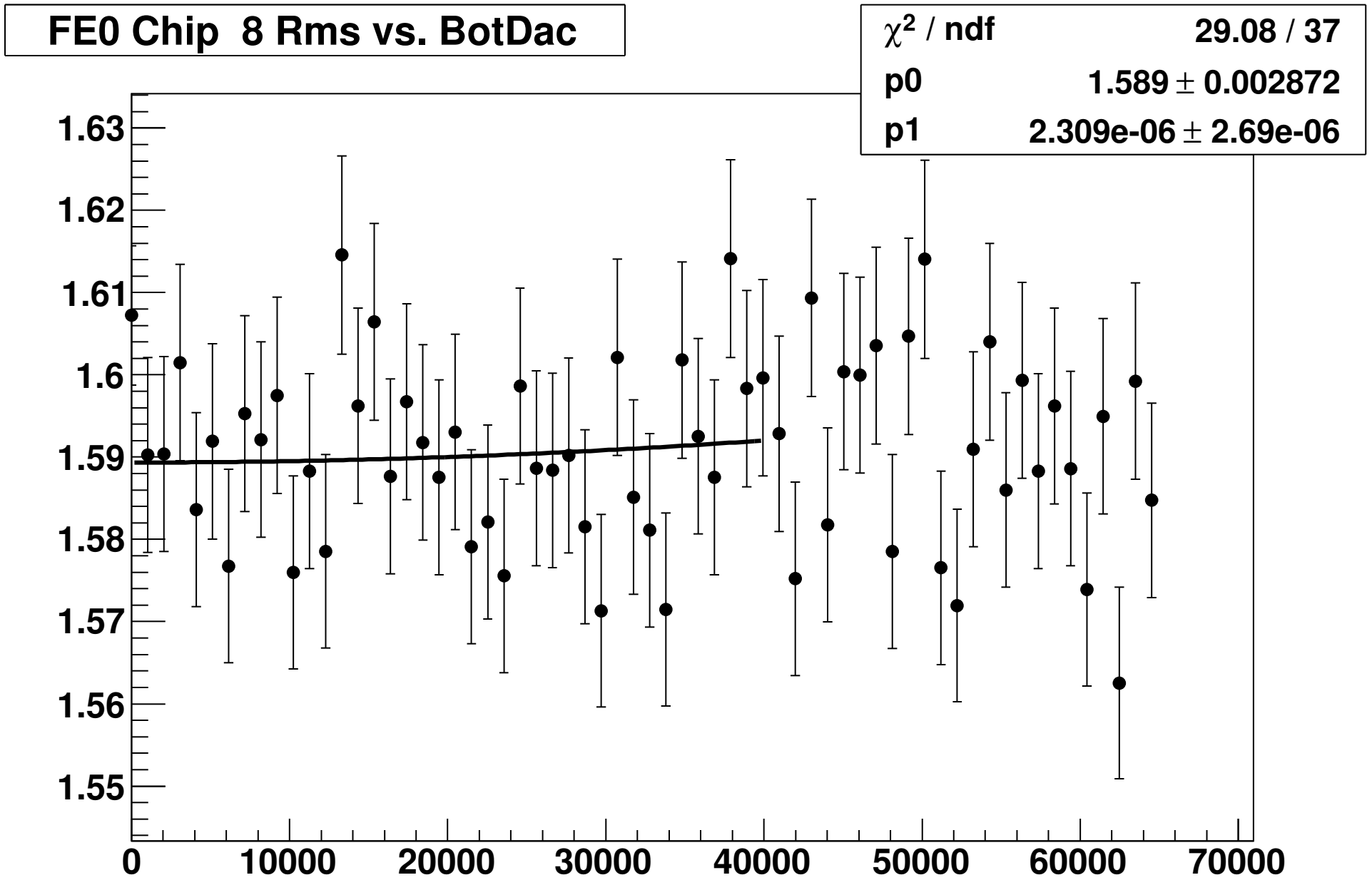
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 29.08 / 37
p0 1.589 ± 0.002872
p1 2.309e-06 ± 2.69e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
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20000
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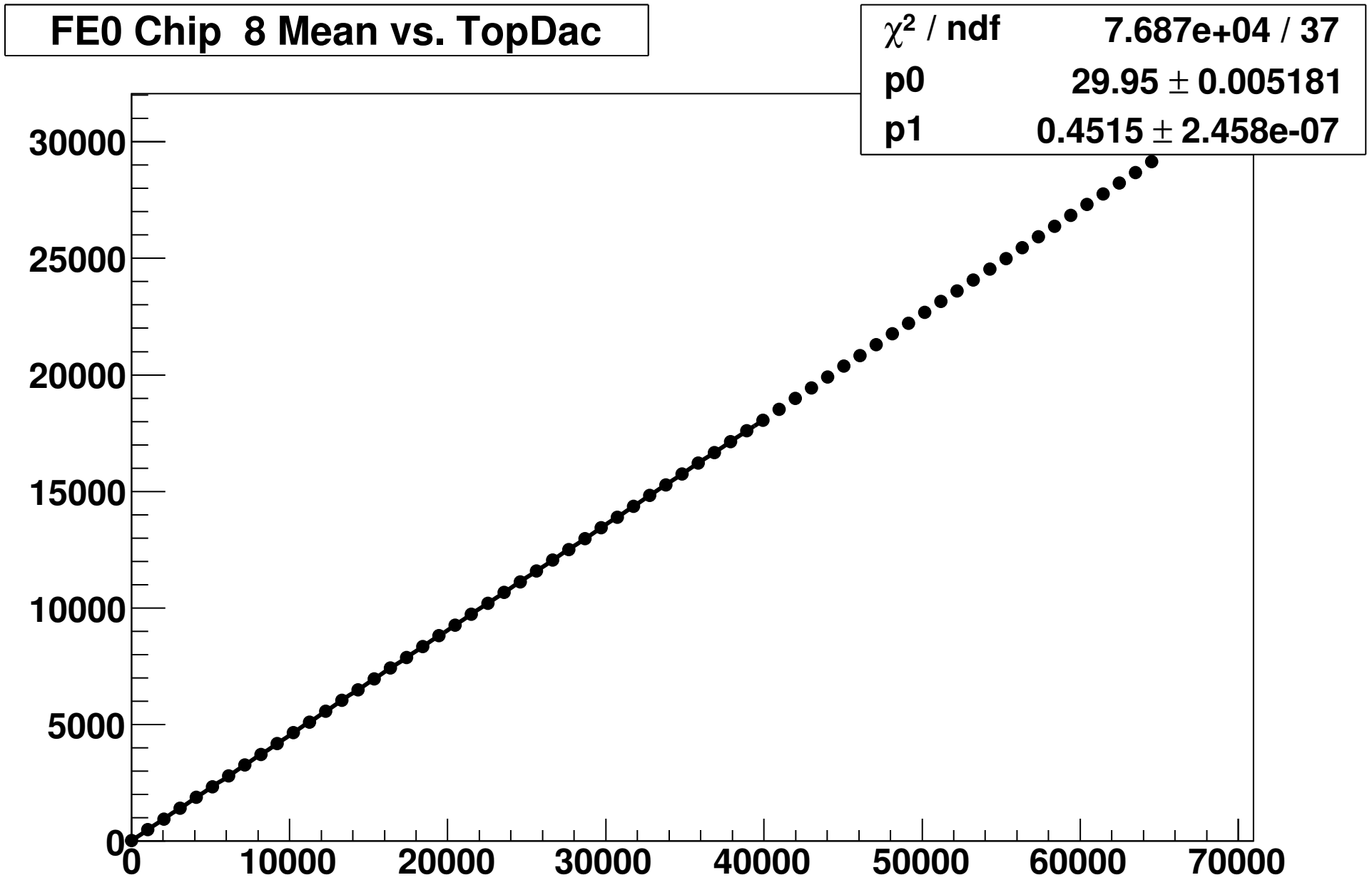
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 7.687e+04 / 37
p0 29.95 ± 0.005181
p1 0.4515 ± 2.458e-07
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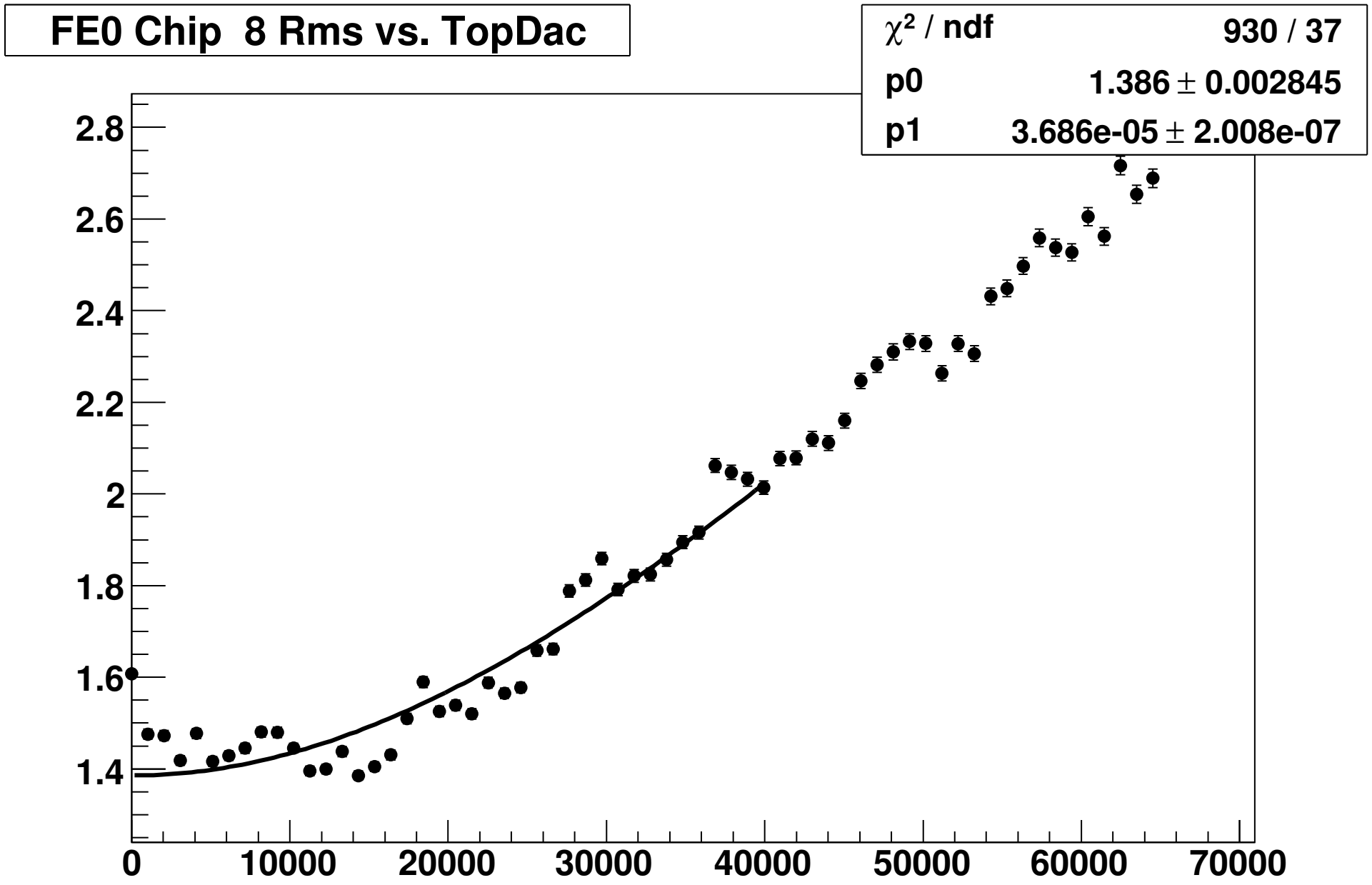
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 930 / 37
p0 1.386 ± 0.002845
p1 3.686e-05 ± 2.008e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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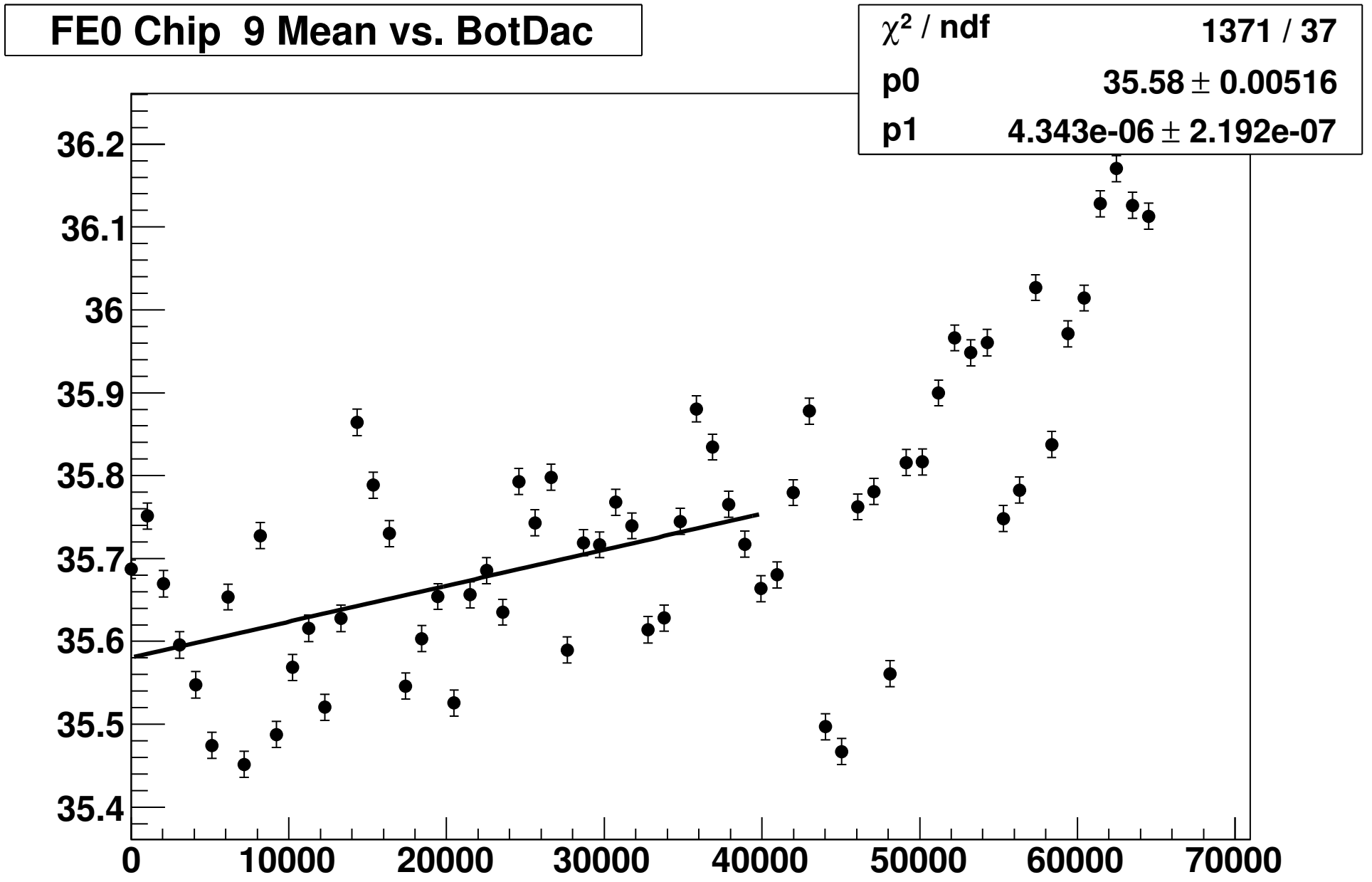
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 1371 / 37
p0 35.58 ± 0.00516
p1 4.343e-06 ± 2.192e-07
36.2
36.1
36
35.9
35.8
35.7
35.6
35.5
35.4
0
10000
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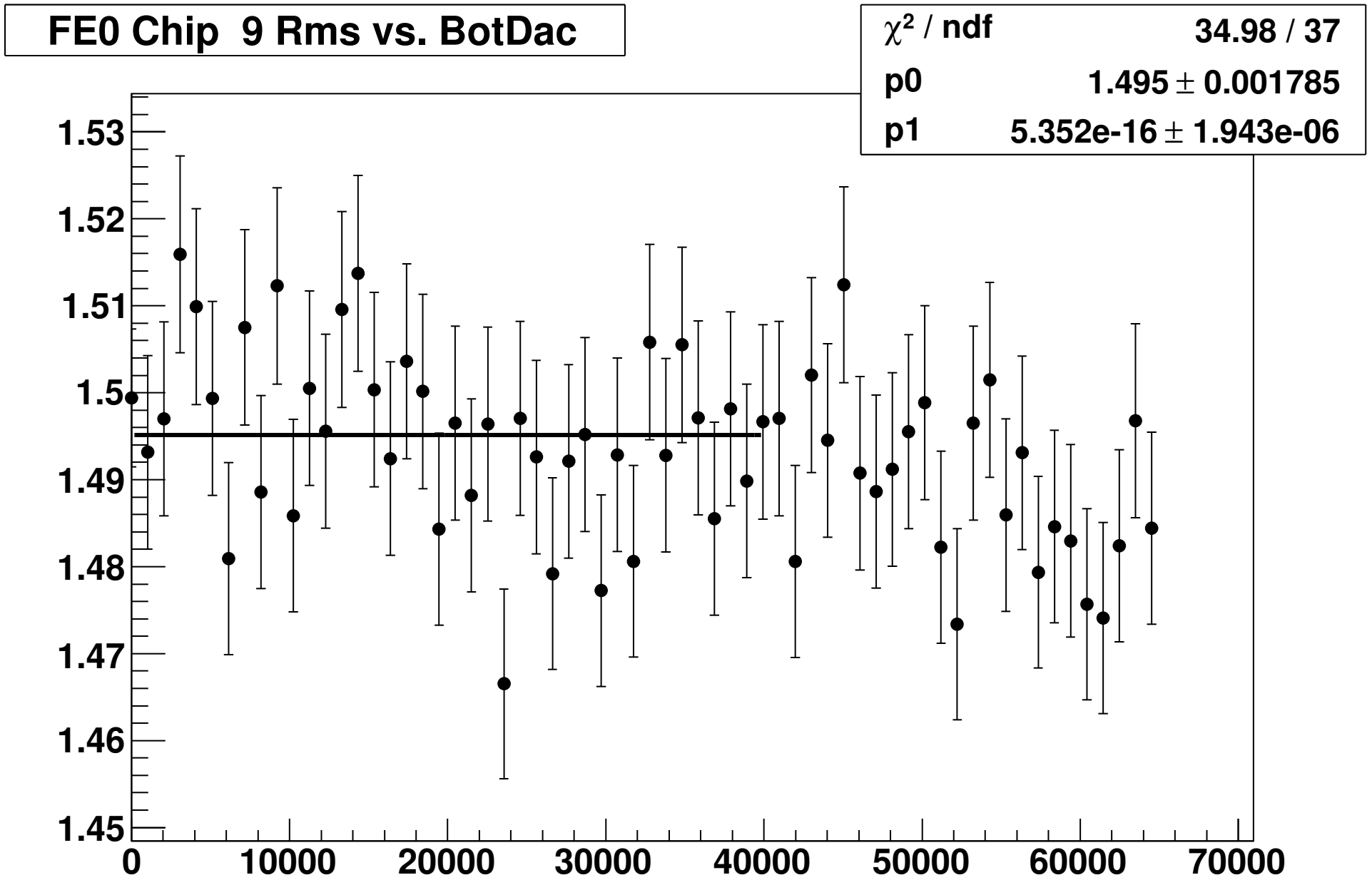
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 34.98 / 37
p0 1.495 ± 0.001785
p1 5.352e-16 ± 1.943e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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20000
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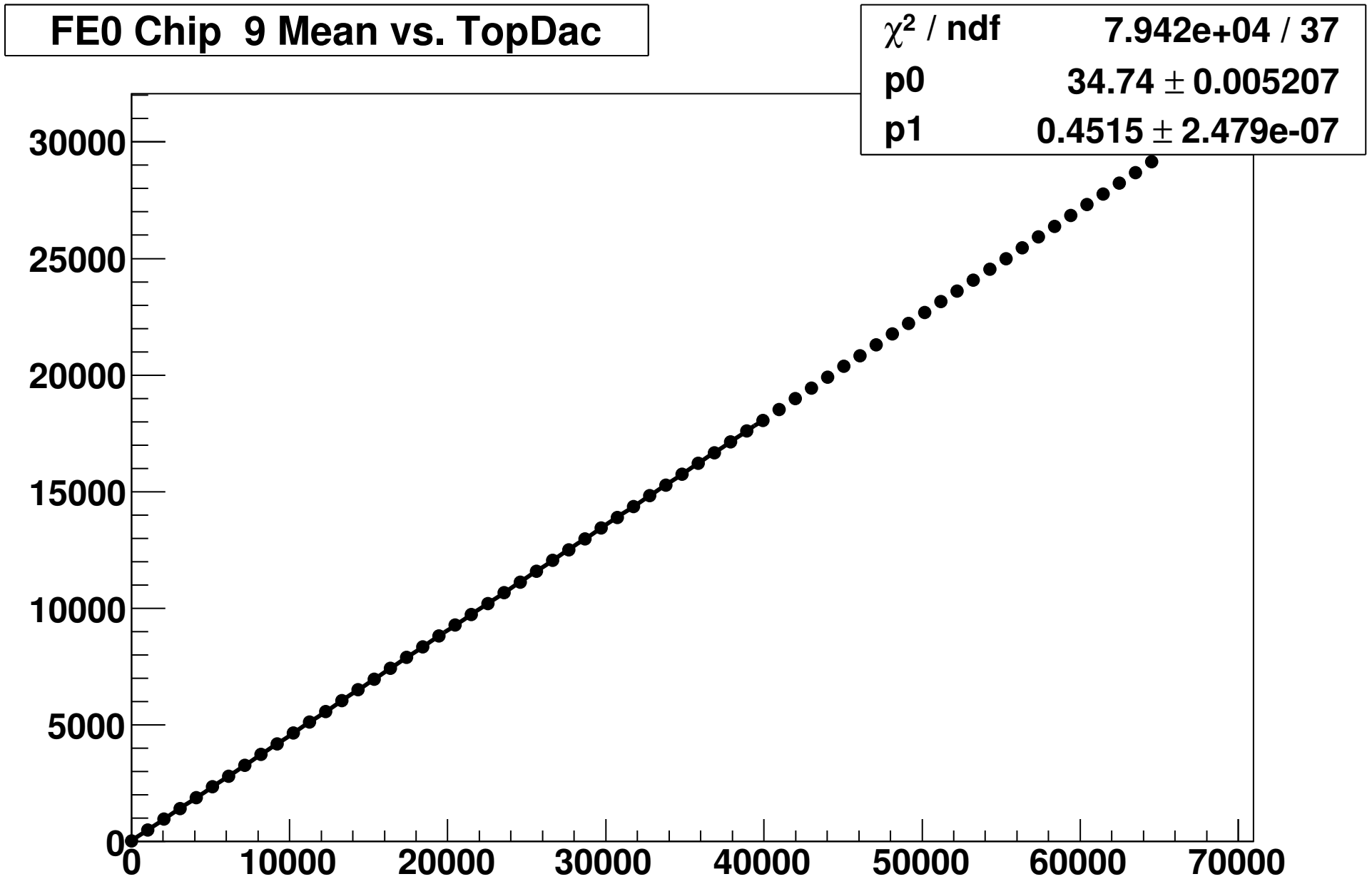
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 7.942e+04 / 37
p0 34.74 ± 0.005207
p1 0.4515 ± 2.479e-07
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15000
10000
5000
0
0
10000
20000
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40000
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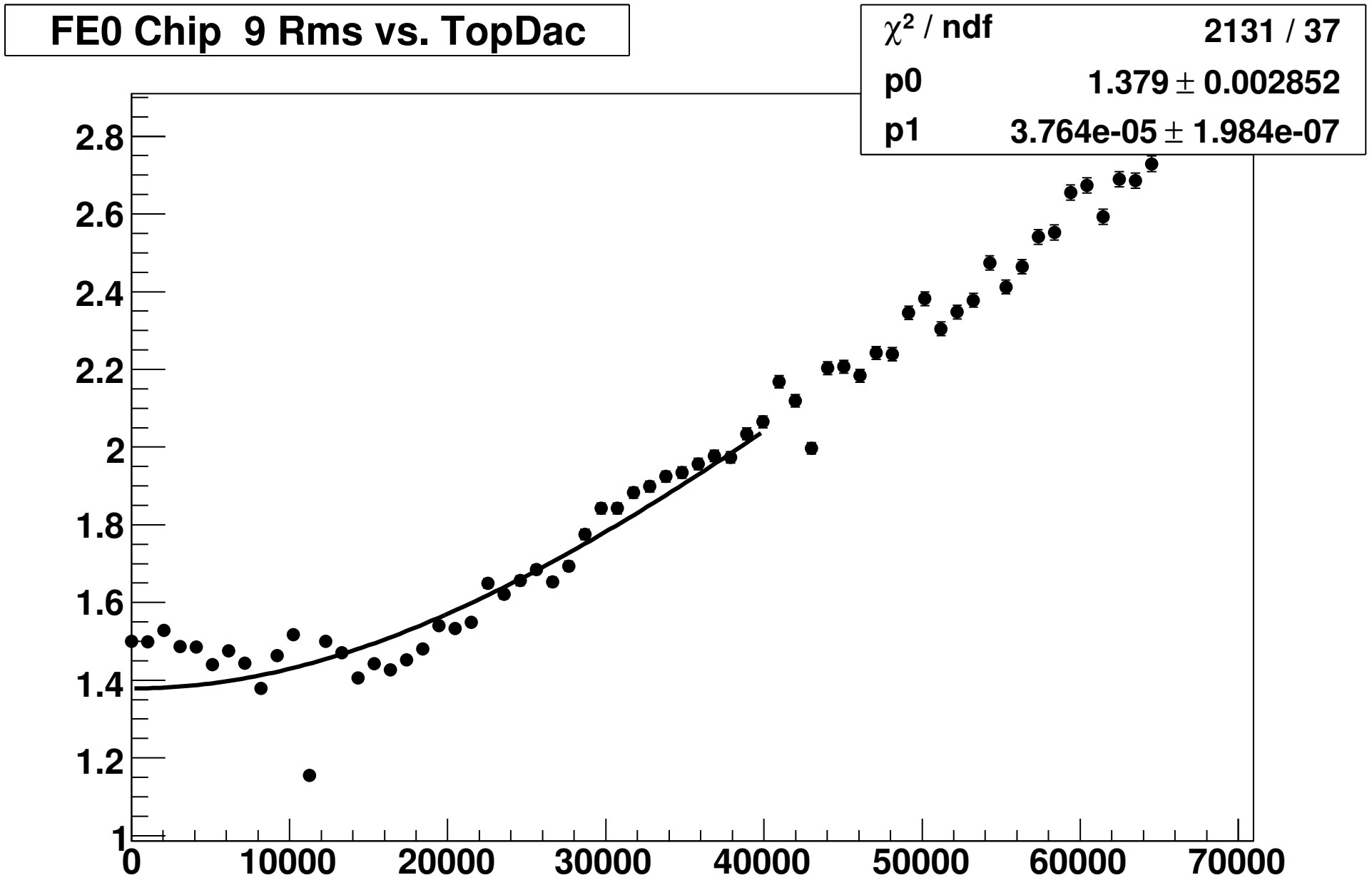
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 2131 / 37
p0 1.379 ± 0.002852
p1 3.764e-05 ± 1.984e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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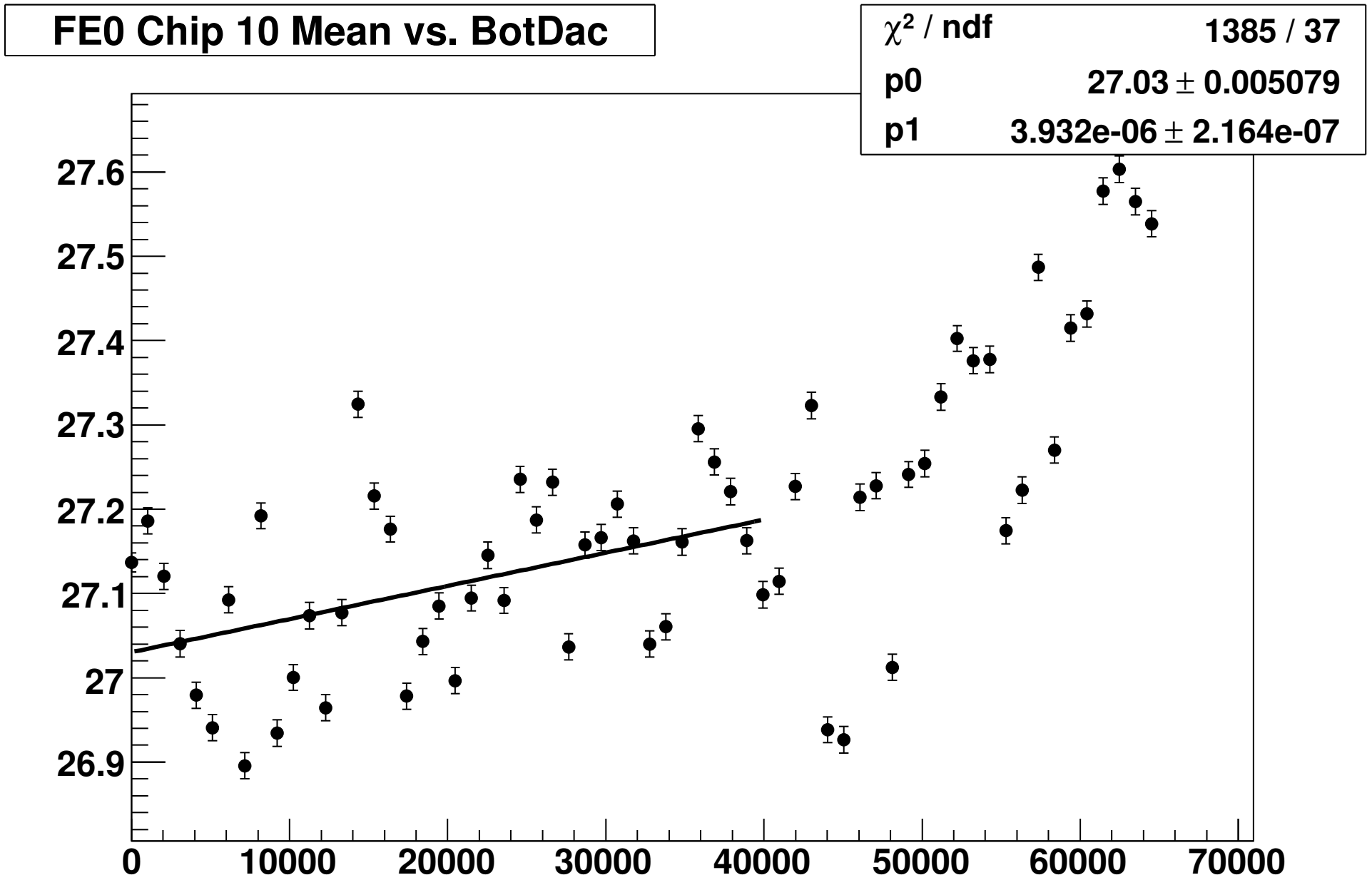
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 1385 / 37
p0 27.03 ± 0.005079
p1 3.932e-06 ± 2.164e-07
27.6
27.5
27.4
27.3
27.2
27.1
27
26.9
0
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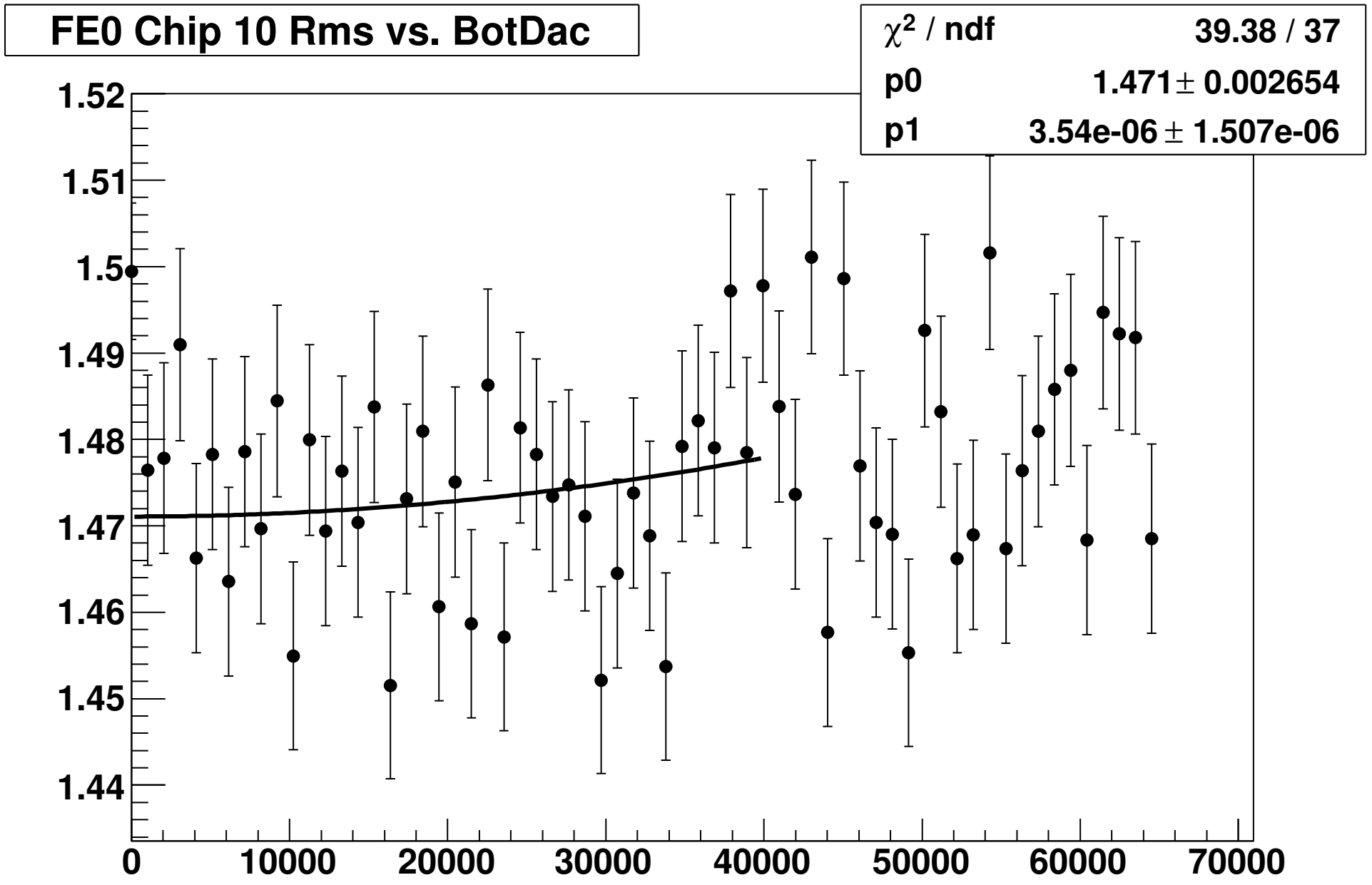
FE0 Chip 10 Rms vs. BotDac
χ² / ndf 39.38 / 37
p0 1.471 ± 0.002654
p1 3.54e-06 ± 1.507e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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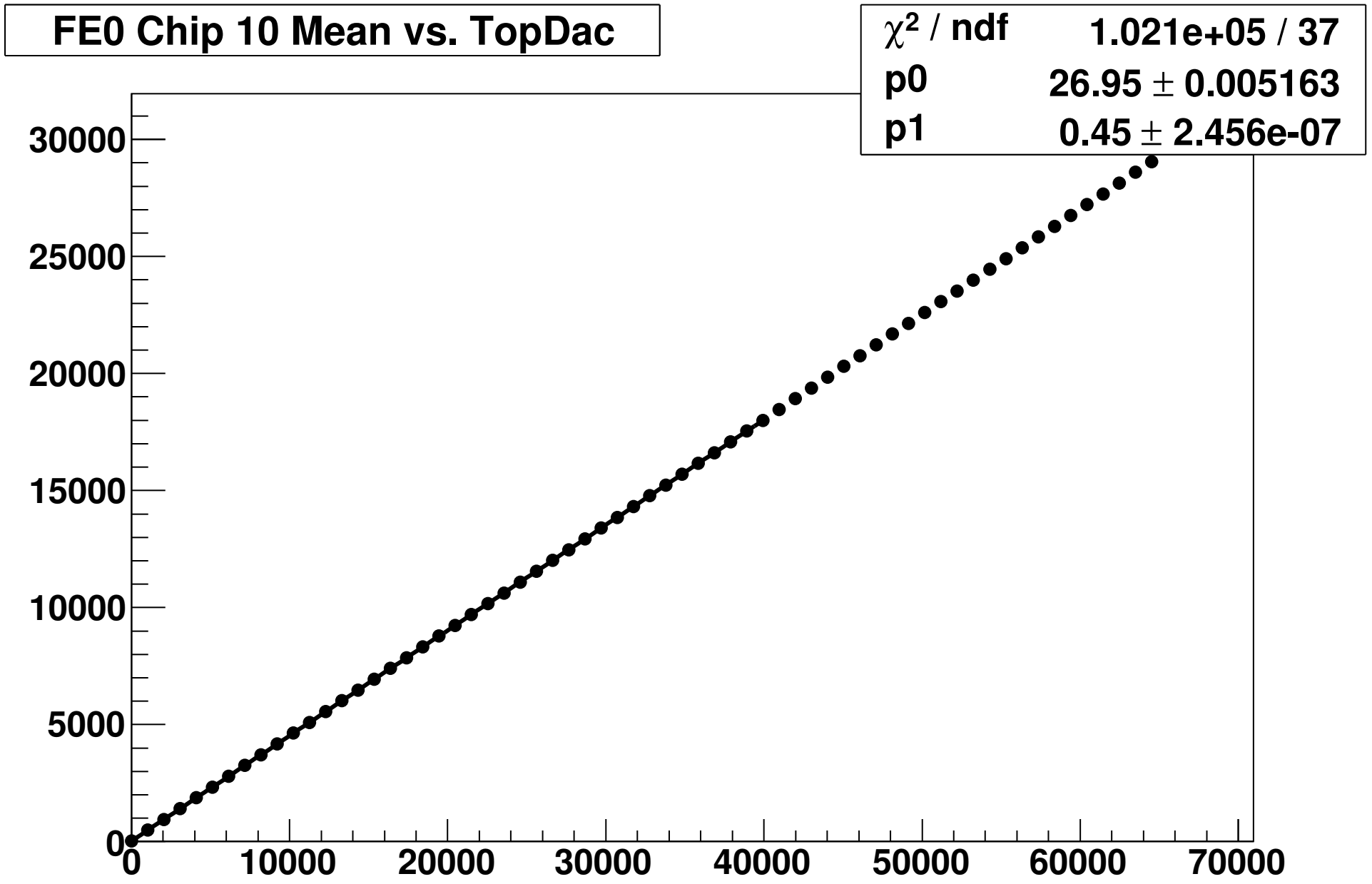
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.021e+05 / 37
p0 26.95 ± 0.005163
p1 0.45 ± 2.456e-07
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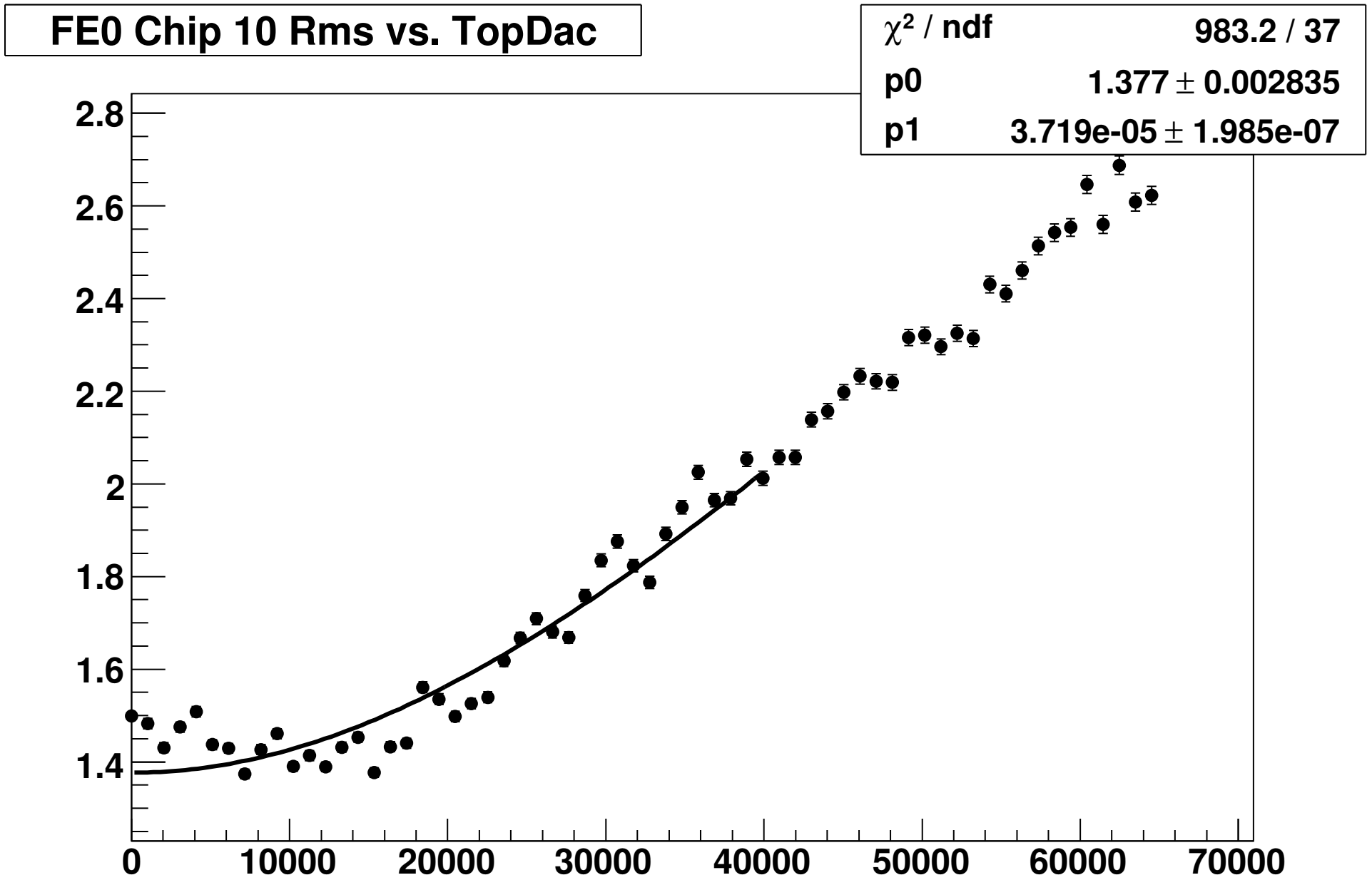
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 983.2 / 37
p0 1.377 ± 0.002835
p1 3.719e-05 ± 1.985e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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60000
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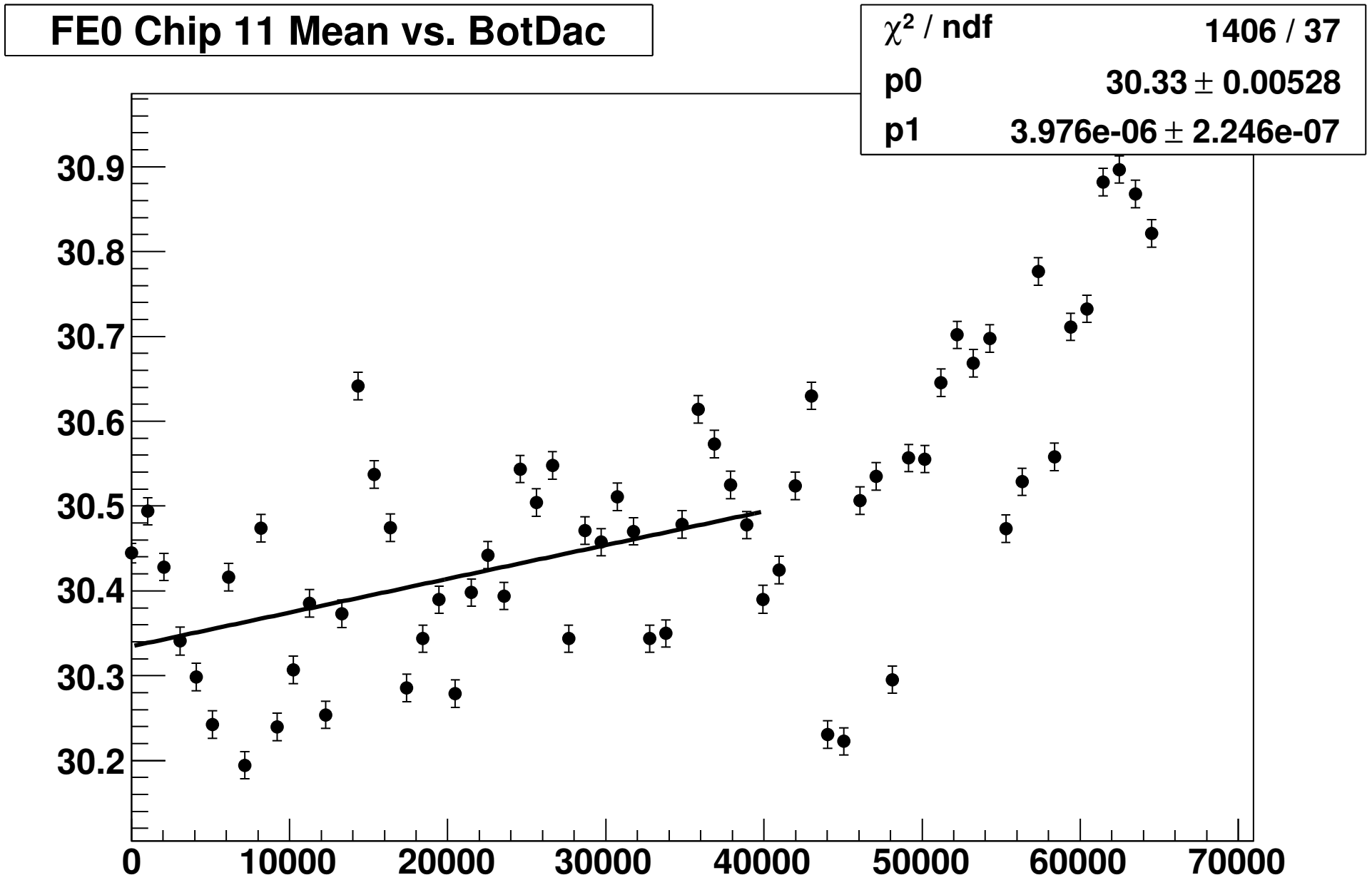
FE0 Chip 11 Mean vs. BotDac
χ² / ndf 1406 / 37
p0 30.33 ± 0.00528
p1 3.976e-06 ± 2.246e-07
30.9
30.8
30.7
30.6
30.5
30.4
30.3
30.2
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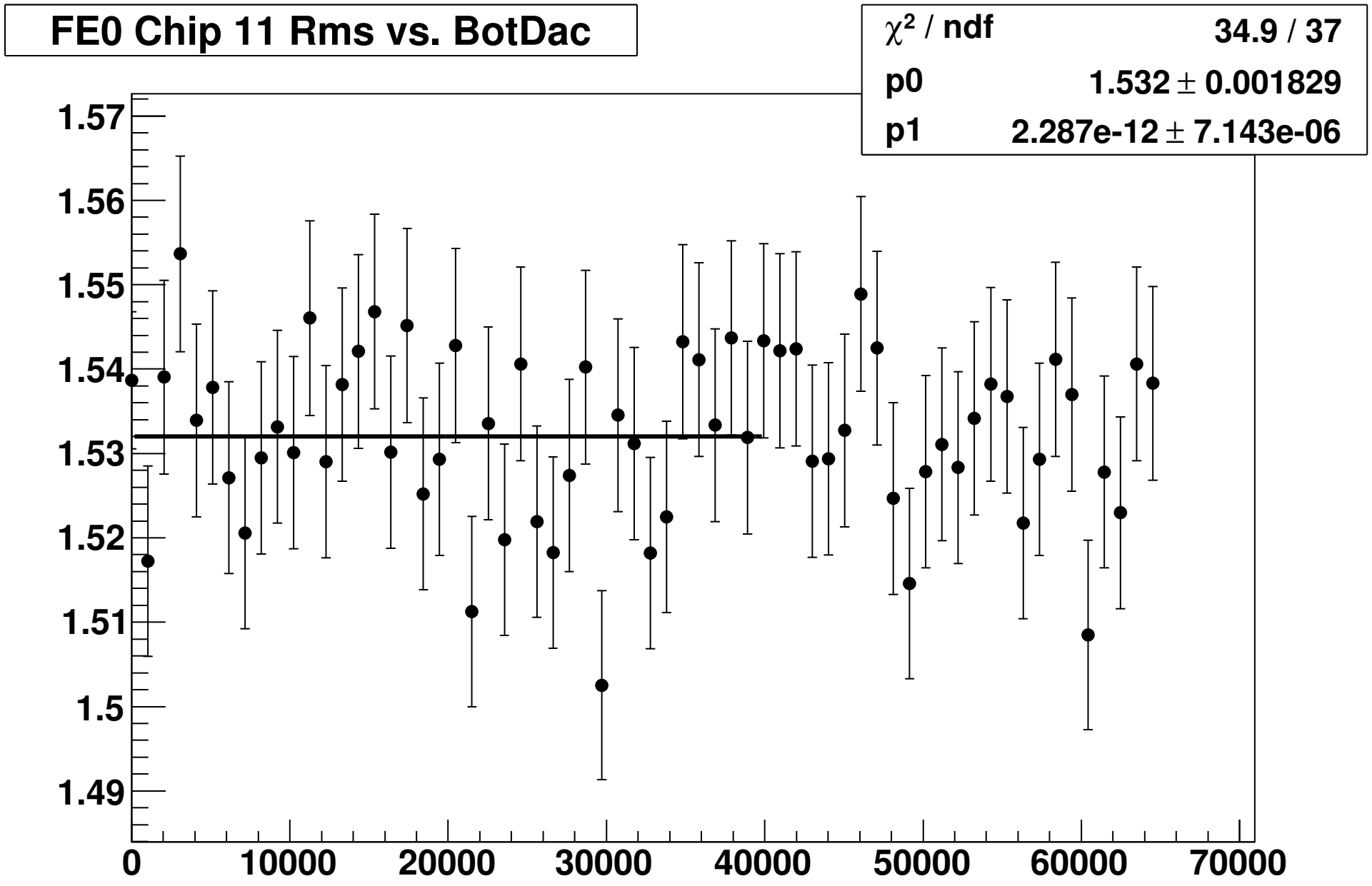
FE0 Chip 11 Rms vs. BotDac
χ² / ndf 34.9 / 37
p0 1.532 ± 0.001829
p1 2.287e-12 ± 7.143e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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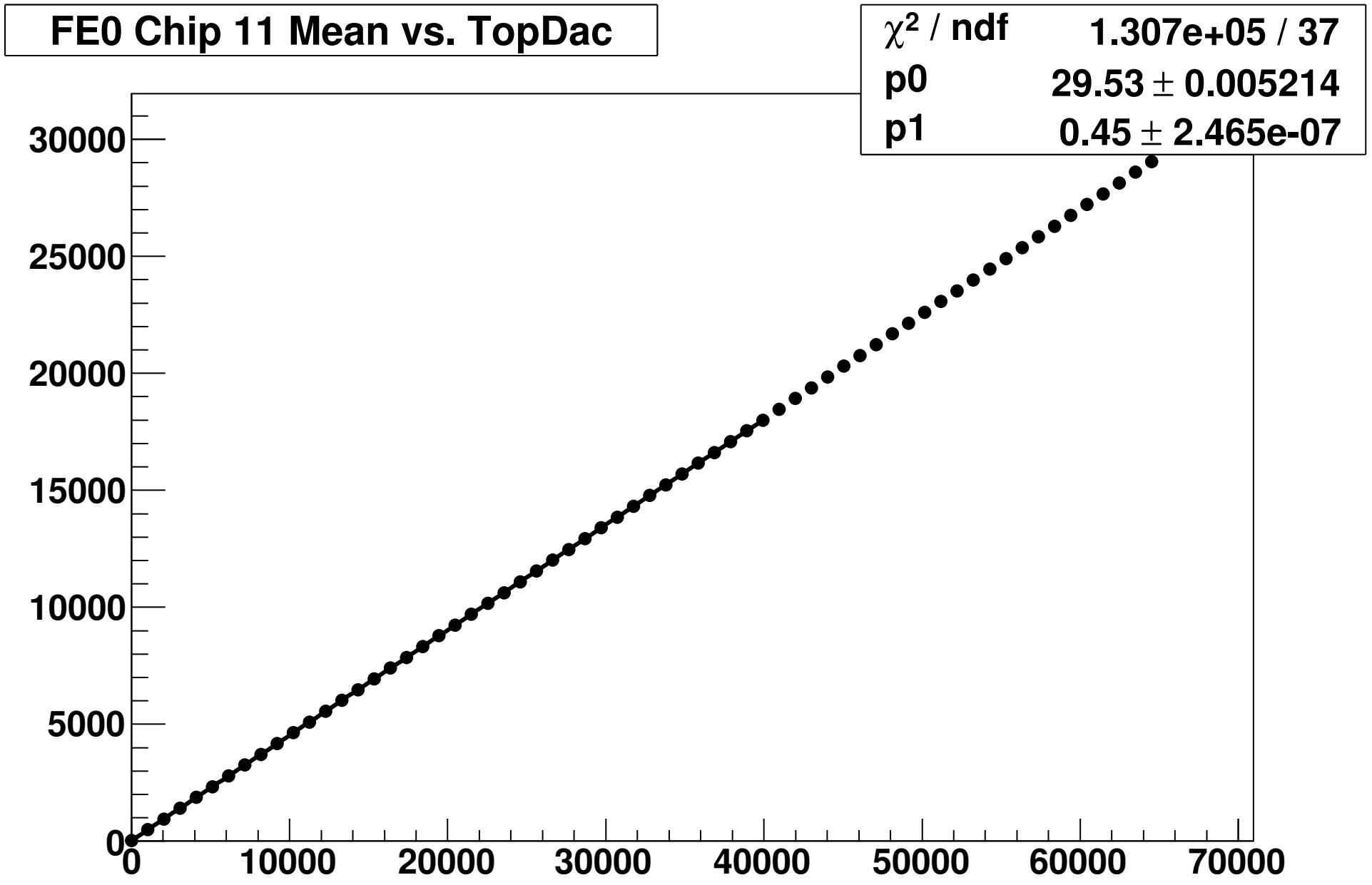
FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.307e+05 / 37
p0 29.53 ± 0.005214
p1 0.45 ± 2.465e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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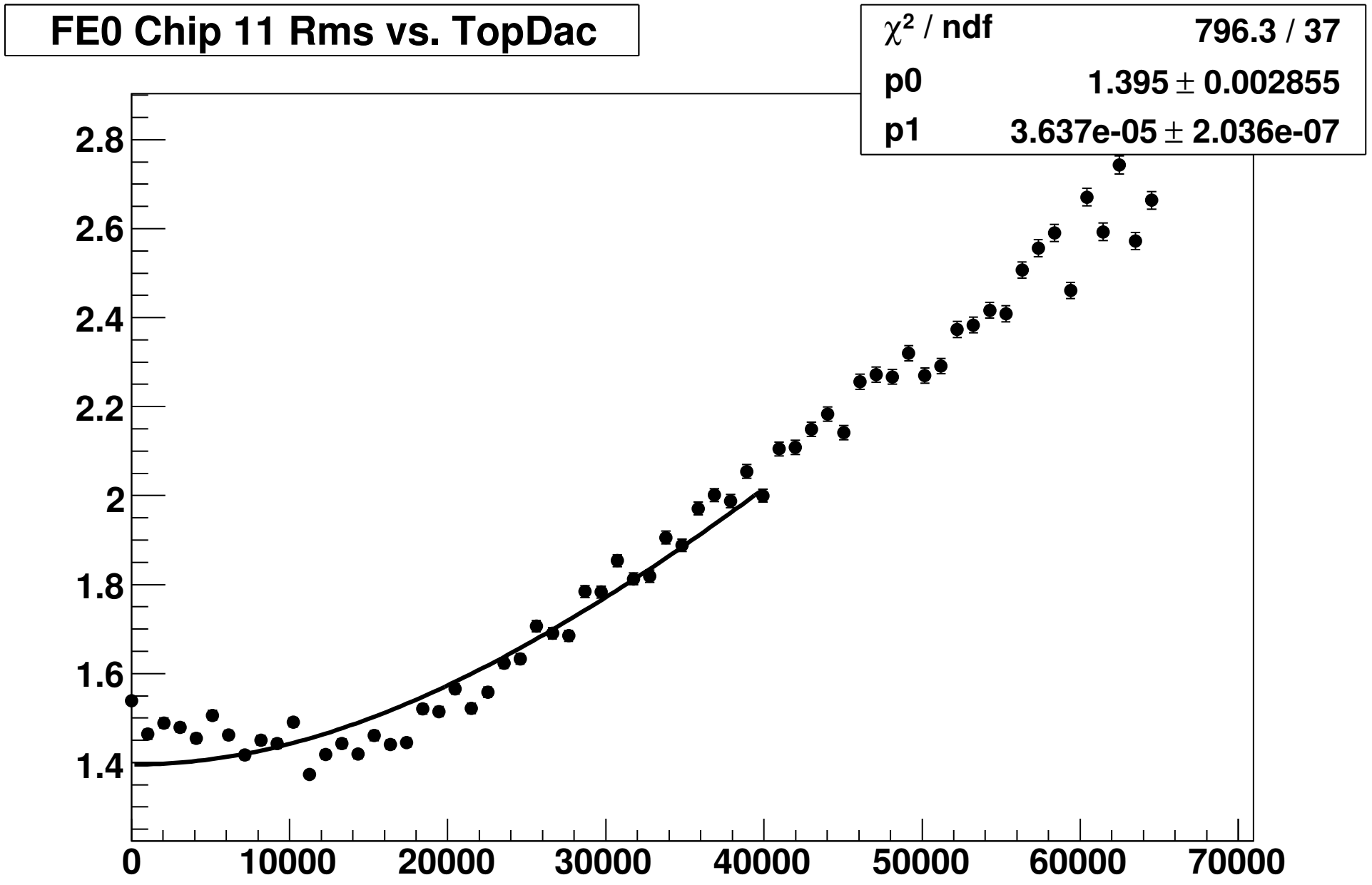
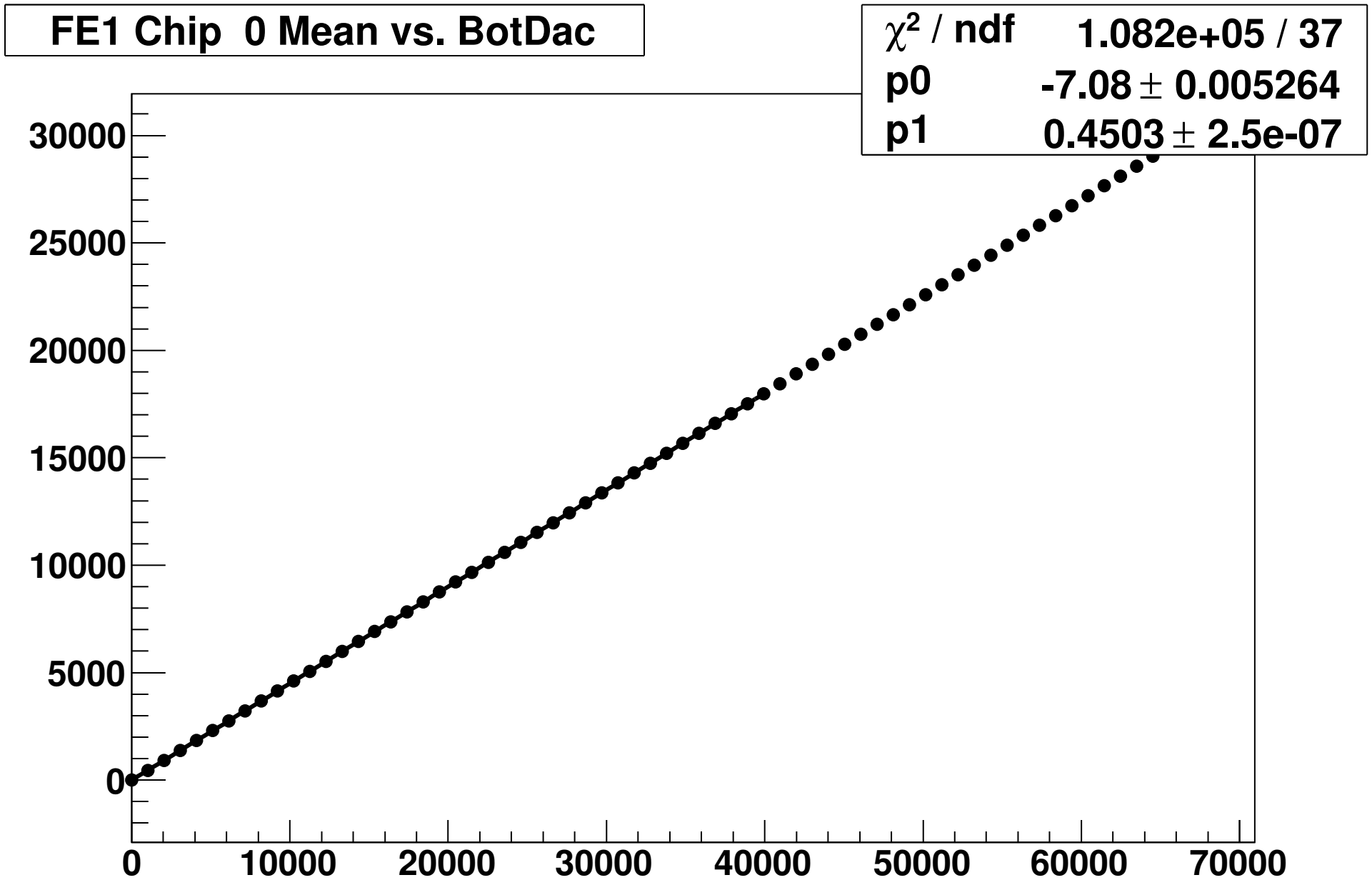

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 796.3 / 37
p0 1.395 ± 0.002855
p1 3.637e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.082e+05 / 37
p0 -7.08 ± 0.005264
p1 0.4503 ± 2.5e-07
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25000
20000
15000
10000
5000
0
0
10000
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30000
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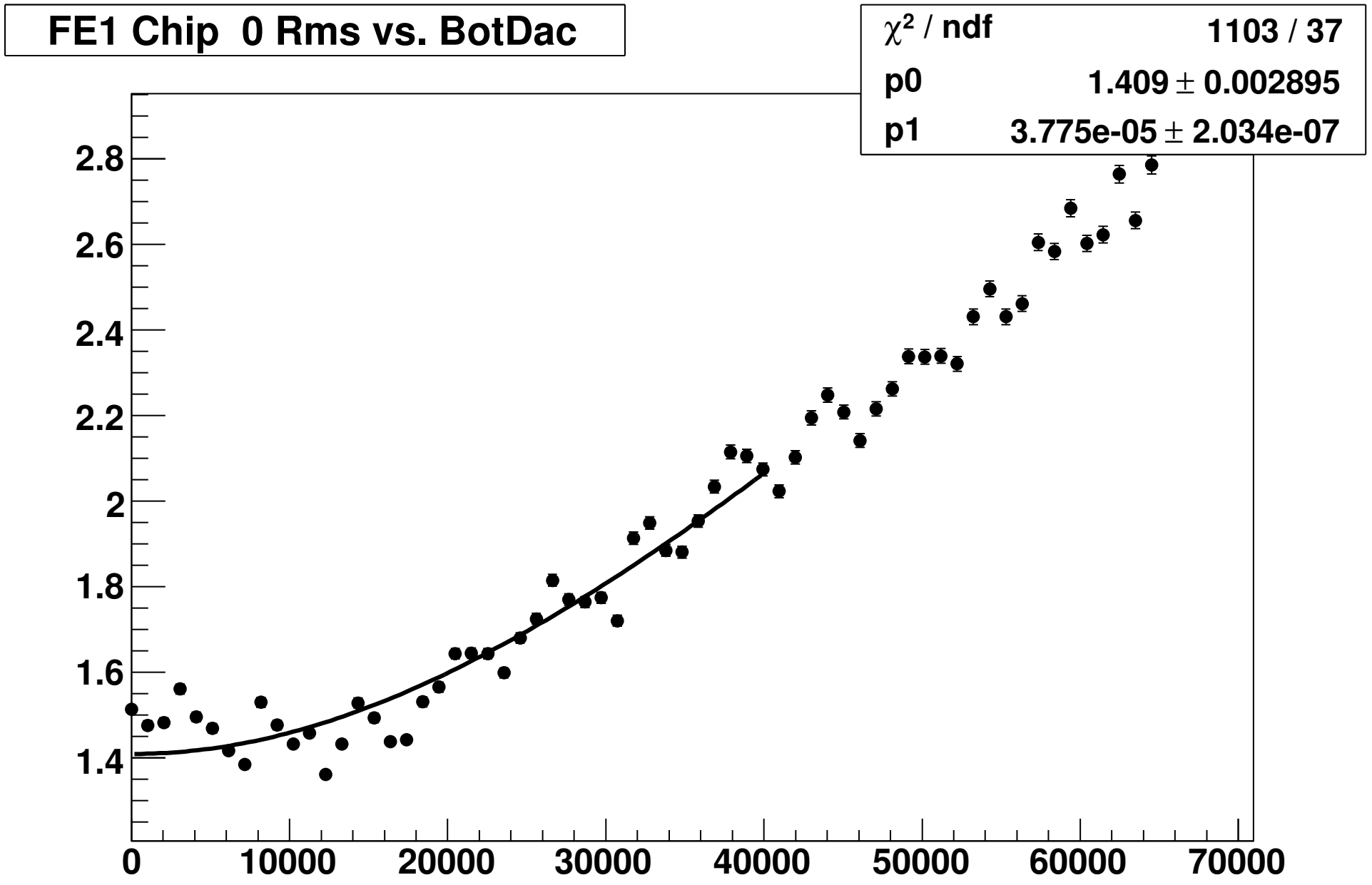
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1103 / 37
p0 1.409 ± 0.002895
p1 3.775e-05 ± 2.034e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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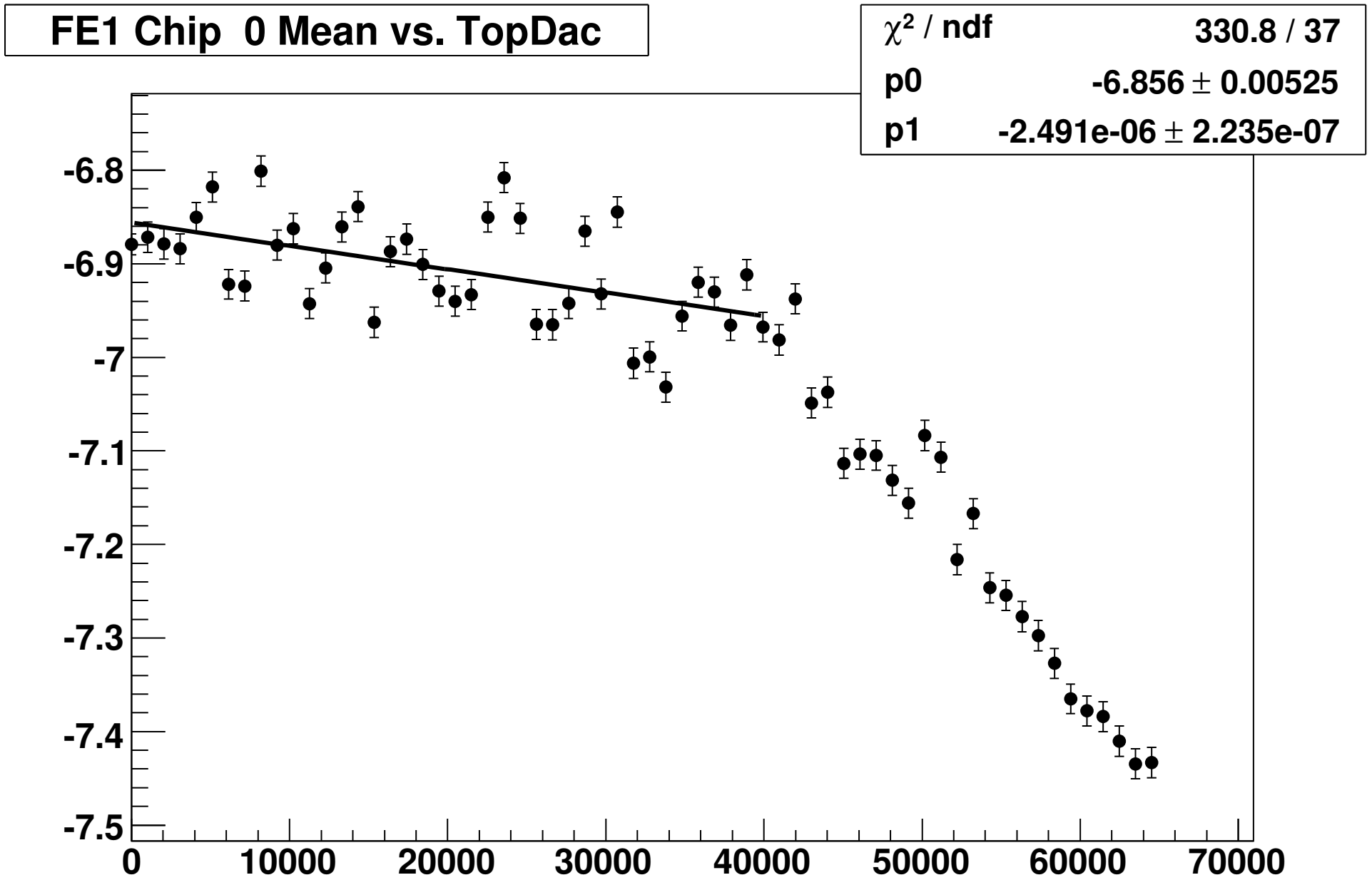
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 330.8 / 37
p0 -6.856 ± 0.00525
p1 -2.491e-06 ± 2.235e-07
-6.8
-6.9
-7
-7.1
-7.2
-7.3
-7.4
-7.5
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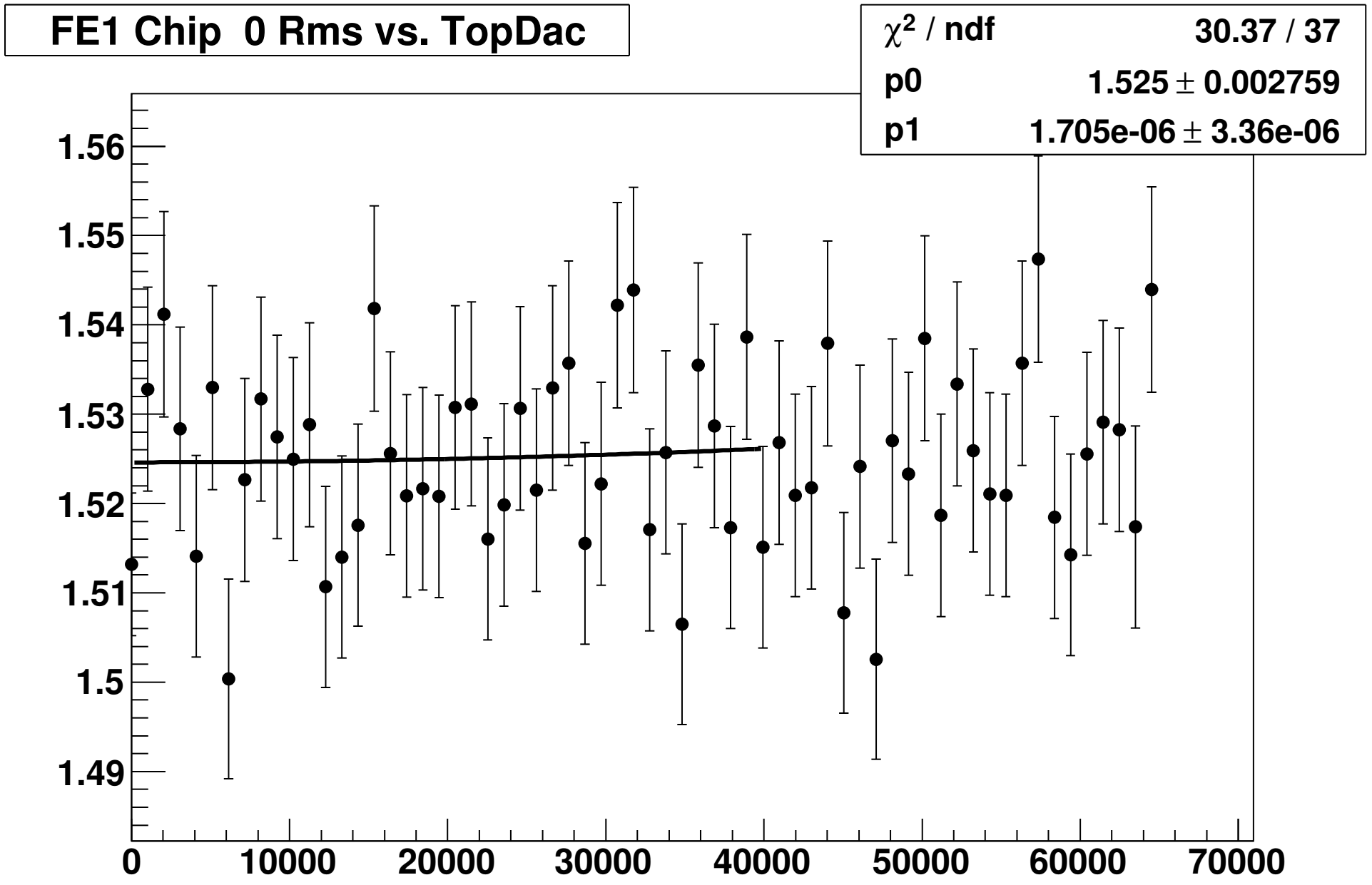
FE1 Chip 0 Rms vs. TopDac
χ² / ndf 30.37 / 37
p0 1.525 ± 0.002759
p1 1.705e-06 ± 3.36e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
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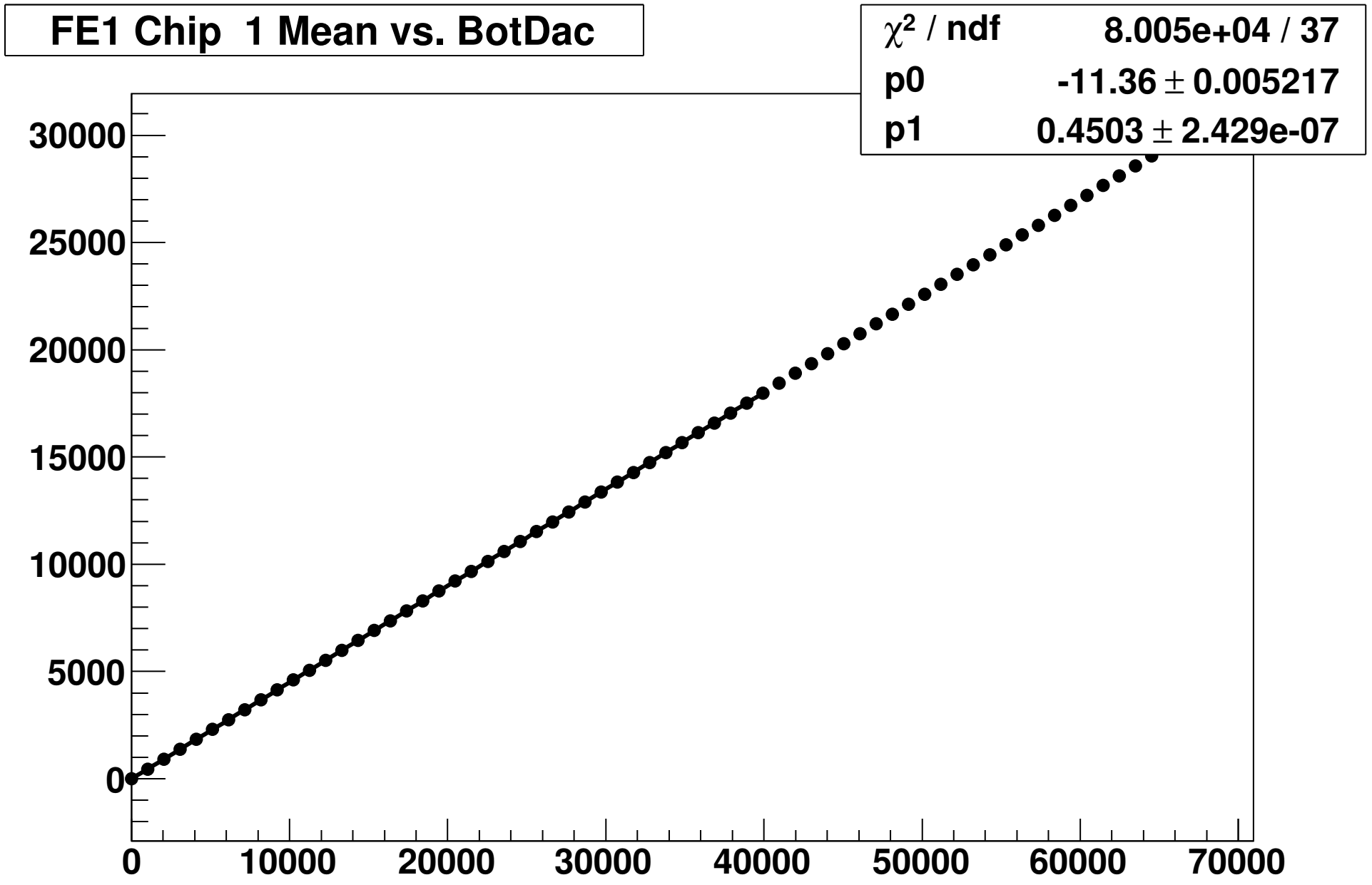
FE1 Chip 1 Mean vs. BotDac
χ² / ndf 8.005e+04 / 37
p0 -11.36 ± 0.005217
p1 0.4503 ± 2.429e-07
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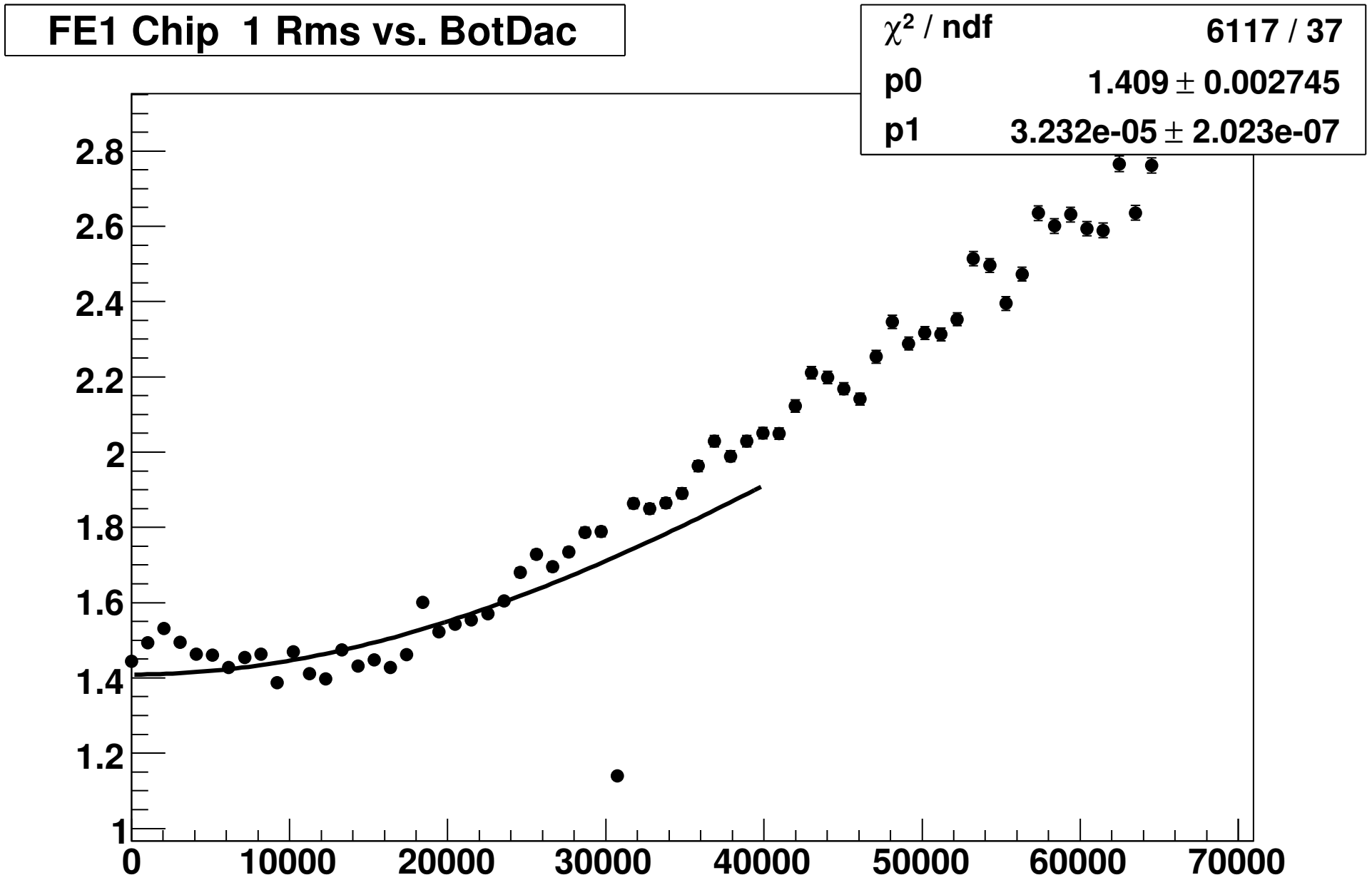
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 6117 / 37
p0 1.409 ± 0.002745
p1 3.232e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
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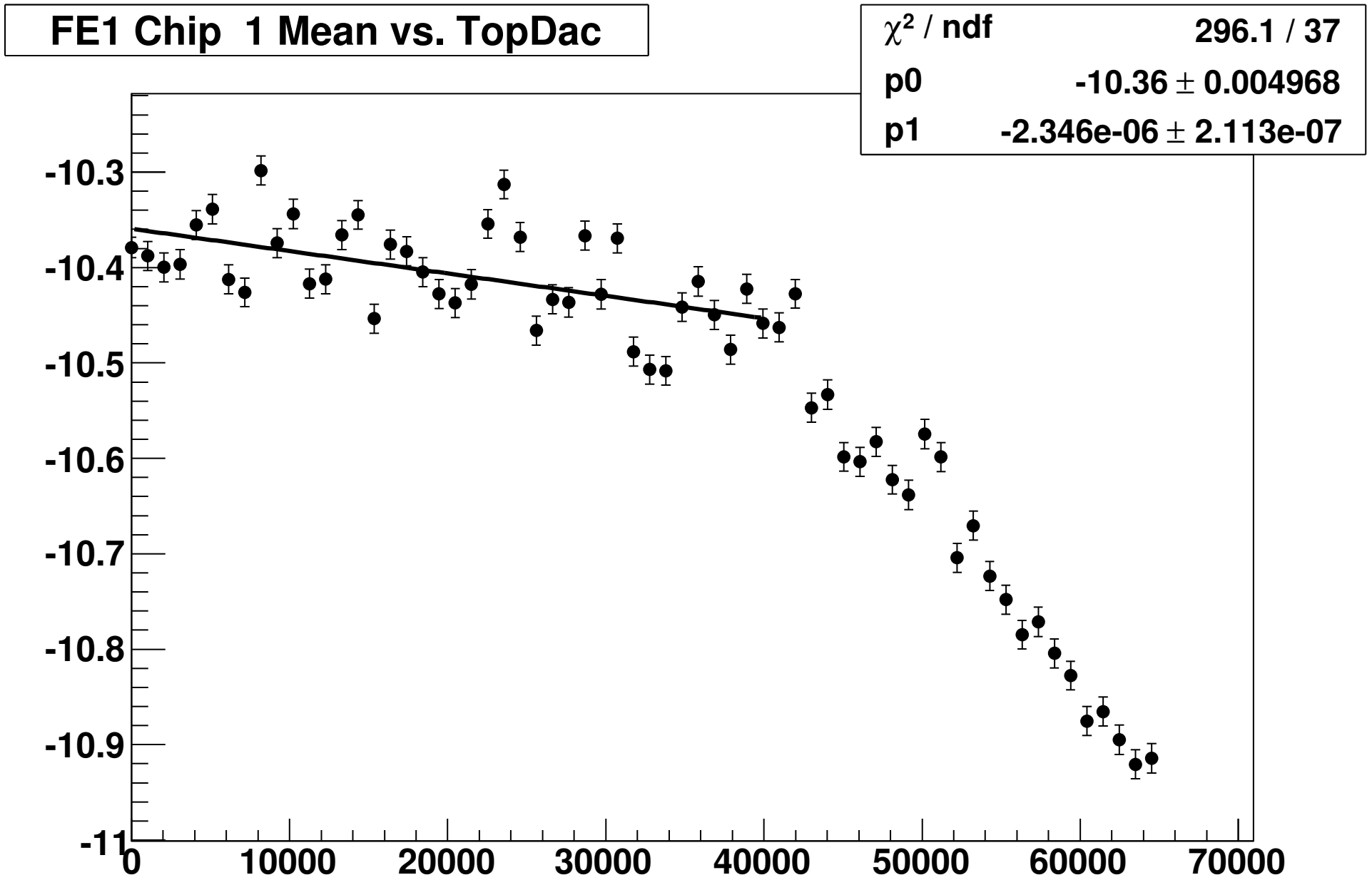
FE1 Chip 1 Mean vs. TopDac
χ² / ndf 296.1 / 37
p0 -10.36 ± 0.004968
p1 -2.346e-06 ± 2.113e-07
-10.3
-10.4
-10.5
-10.6
-10.7
-10.8
-10.9
-11
0
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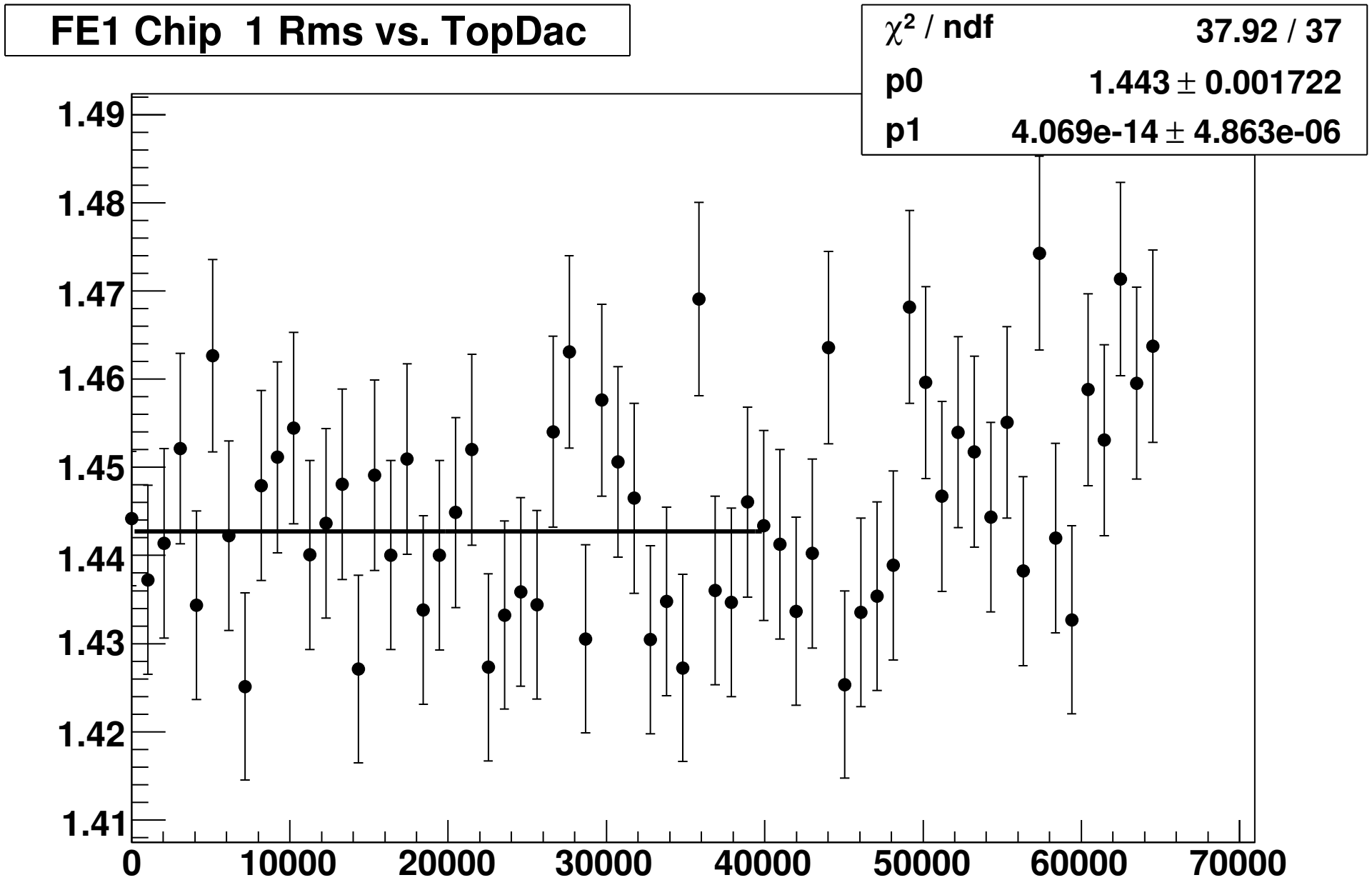
FE1 Chip 1 Rms vs. TopDac
χ² / ndf 37.92 / 37
p0 1.443 ± 0.001722
p1 4.069e-14 ± 4.863e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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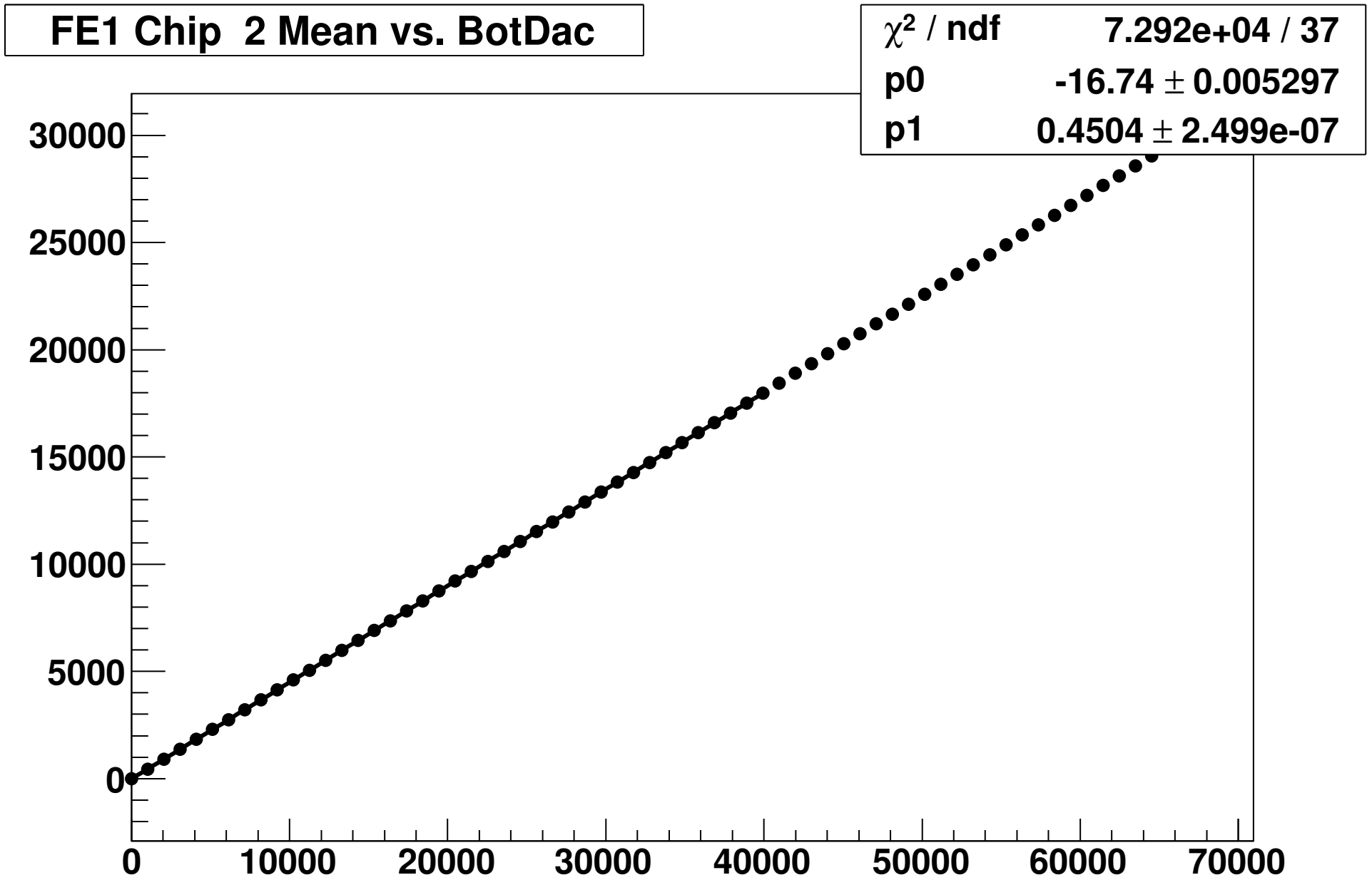
FE1 Chip 2 Mean vs. BotDac
χ² / ndf 7.292e+04 / 37
p0 -16.74 ± 0.005297
p1 0.4504 ± 2.499e-07
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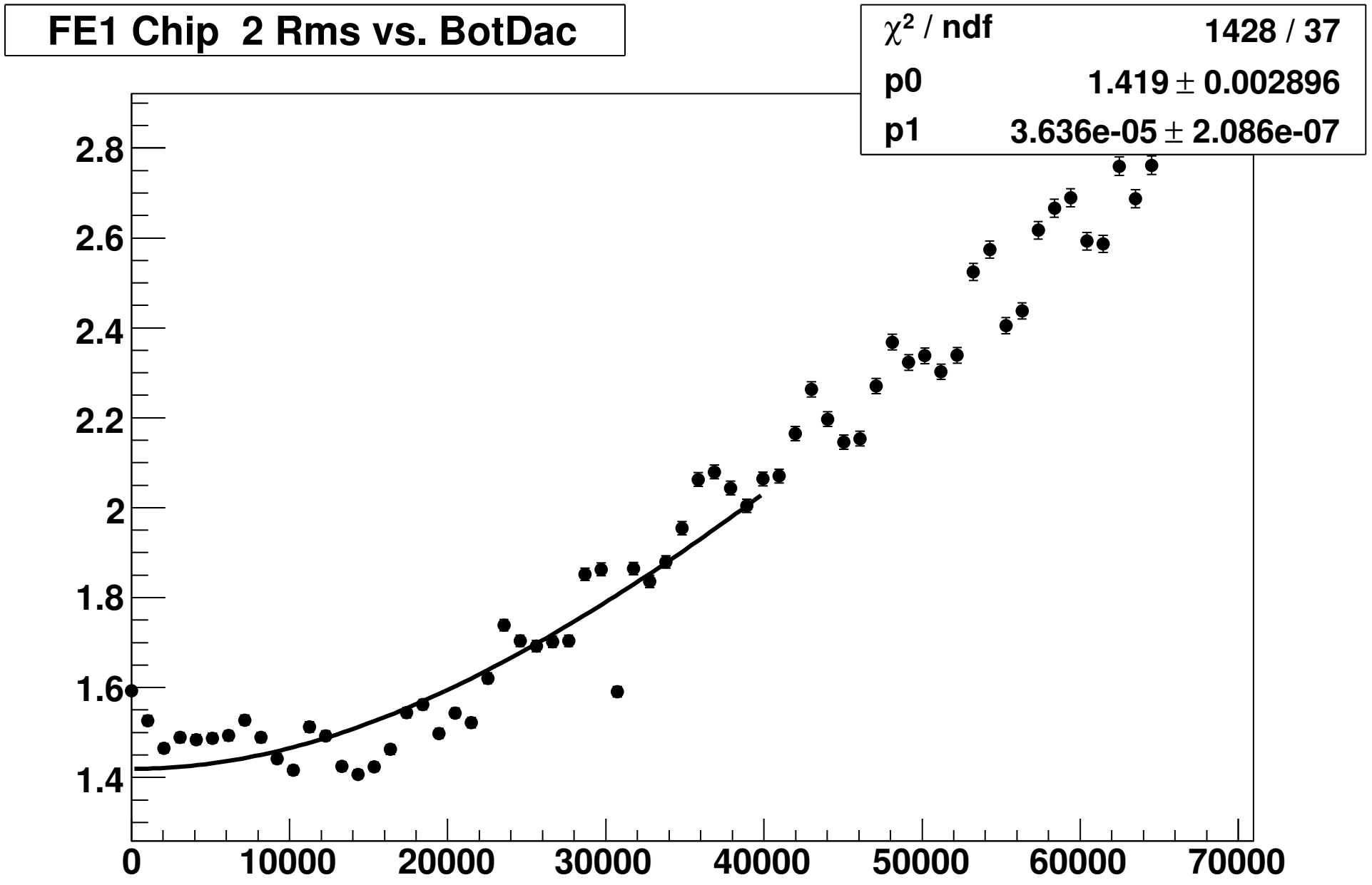
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1428 / 37
p0 1.419 ± 0.002896
p1 3.636e-05 ± 2.086e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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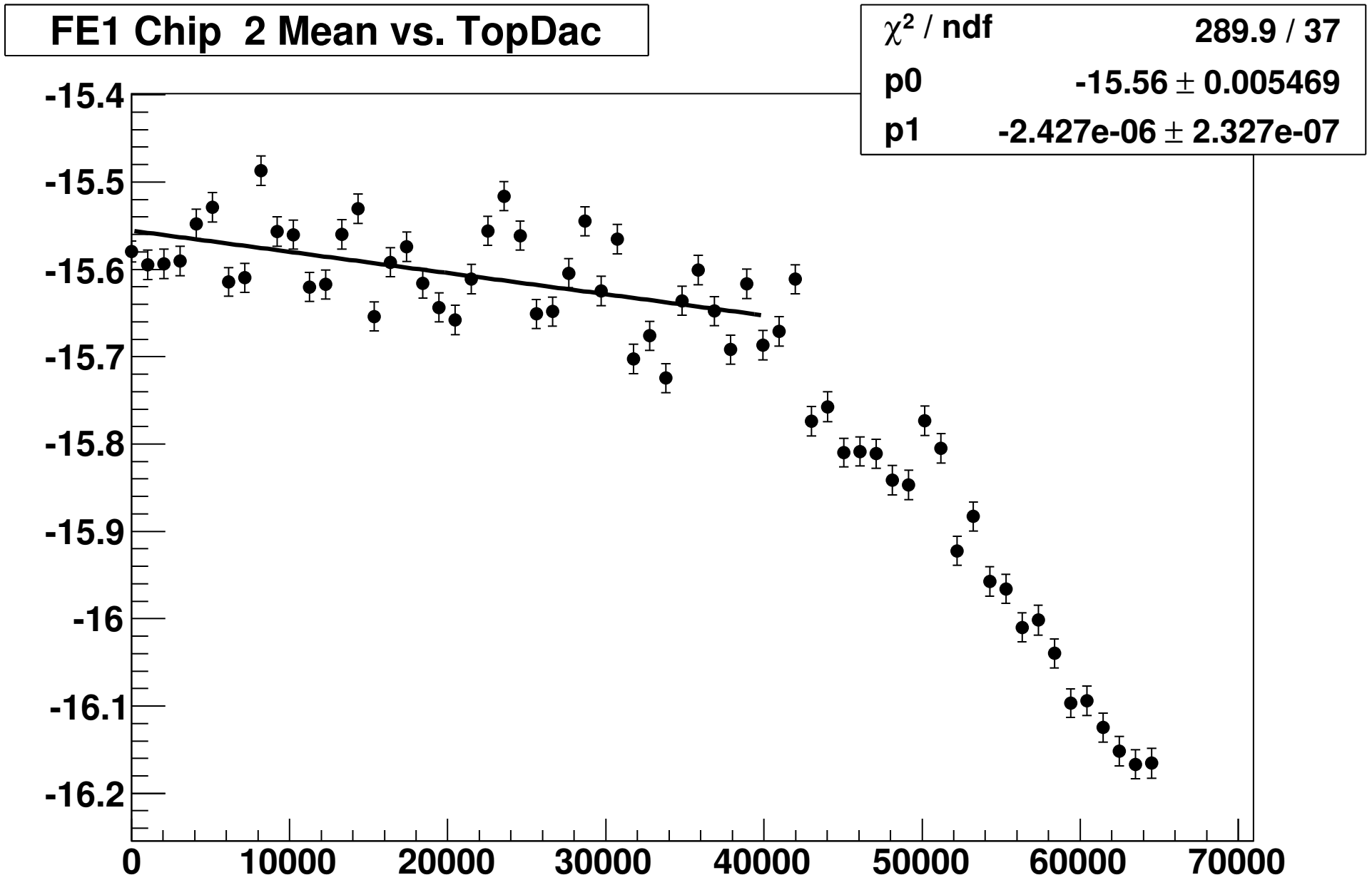
FE1 Chip 2 Mean vs. TopDac
χ² / ndf 289.9 / 37
p0 -15.56 ± 0.005469
p1 -2.427e-06 ± 2.327e-07
-15.4
-15.5
-15.6
-15.7
-15.8
-15.9
-16
-16.1
-16.2
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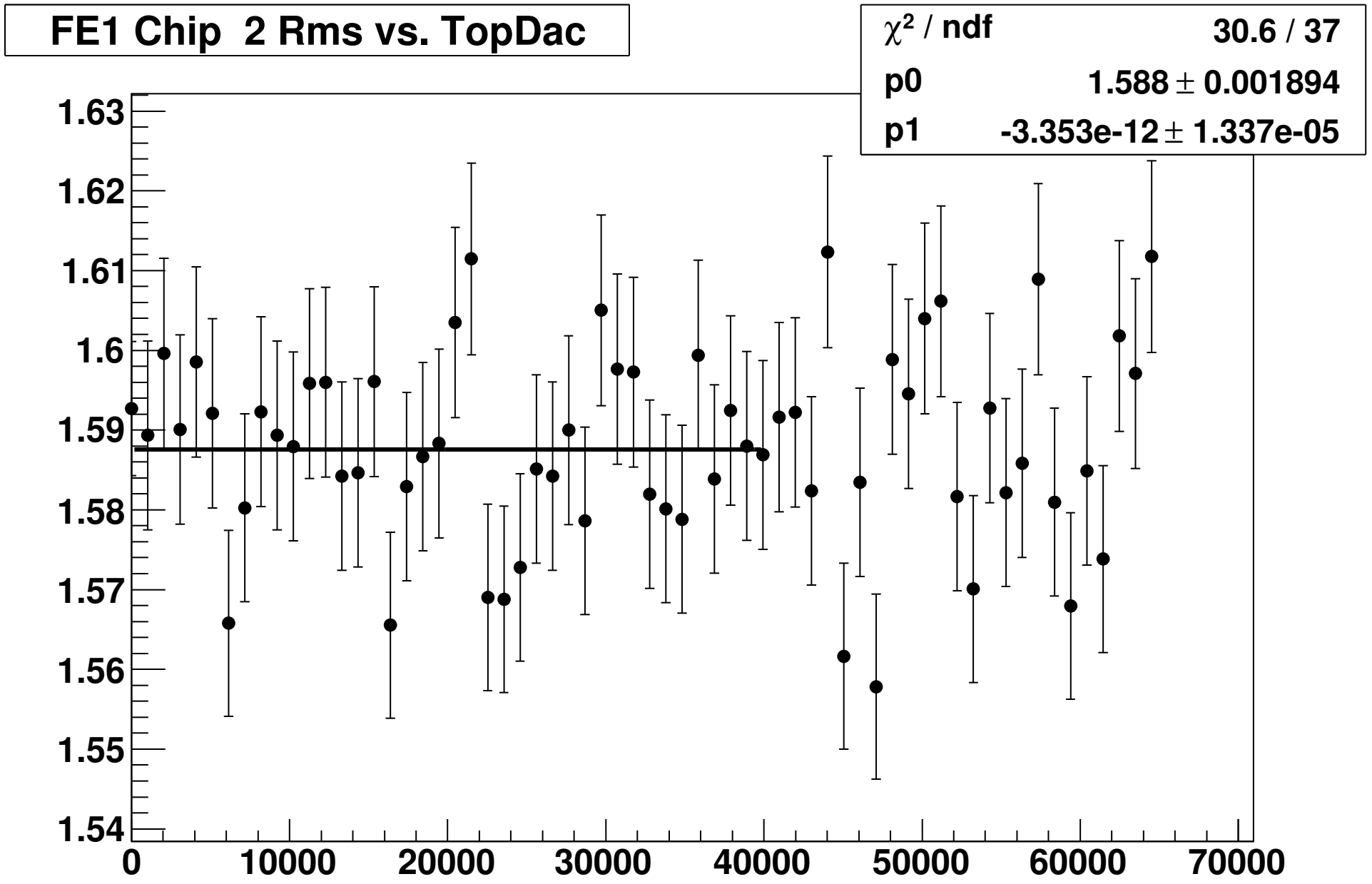
FE1 Chip 2 Rms vs. TopDac
χ² / ndf 30.6 / 37
p0 1.588 ± 0.001894
p1 -3.353e-12 ± 1.337e-05
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
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10000
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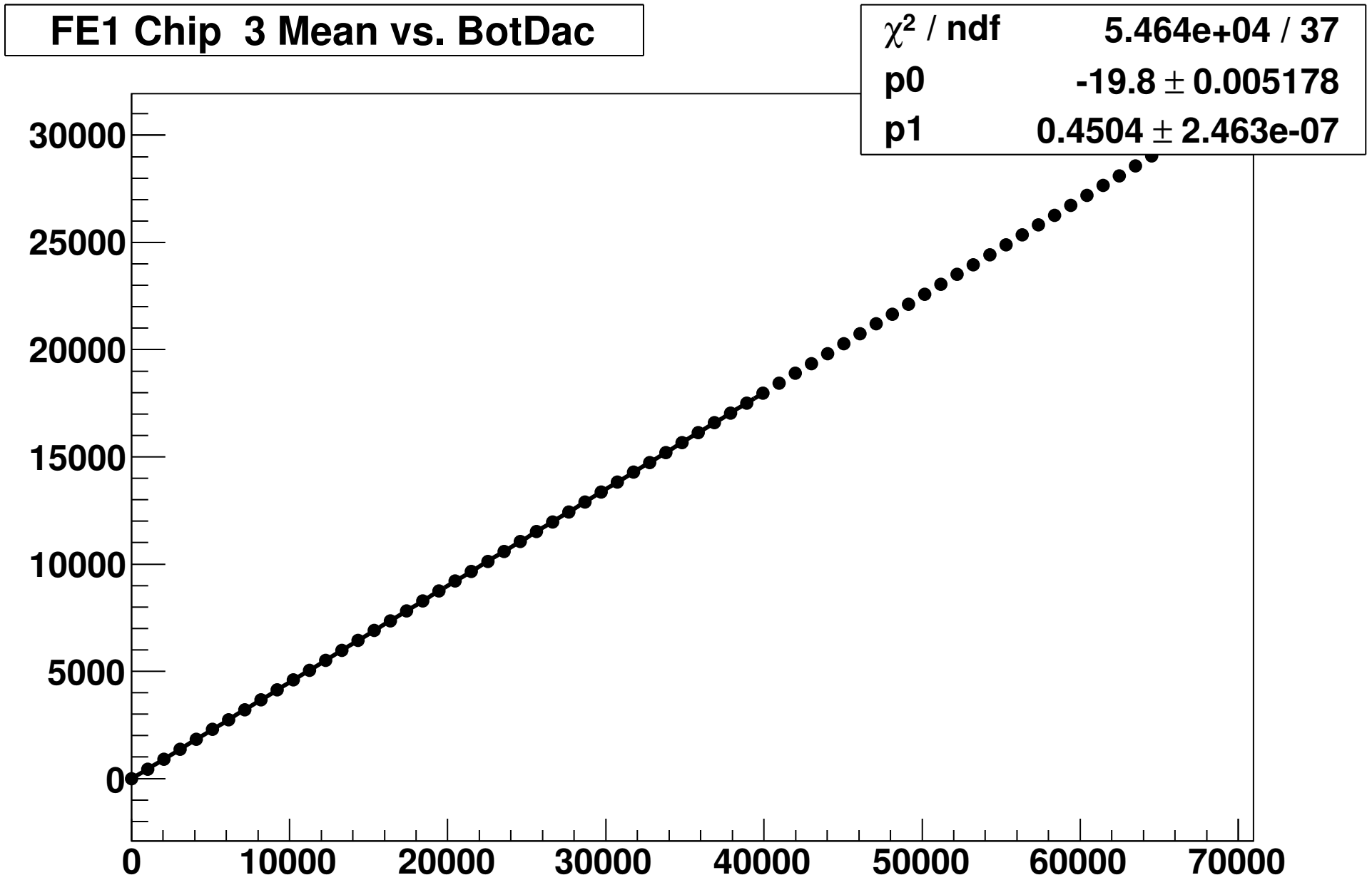
FE1 Chip 3 Mean vs. BotDac
χ² / ndf 5.464e+04 / 37
p0 -19.8 ± 0.005178
p1 0.4504 ± 2.463e-07
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20000
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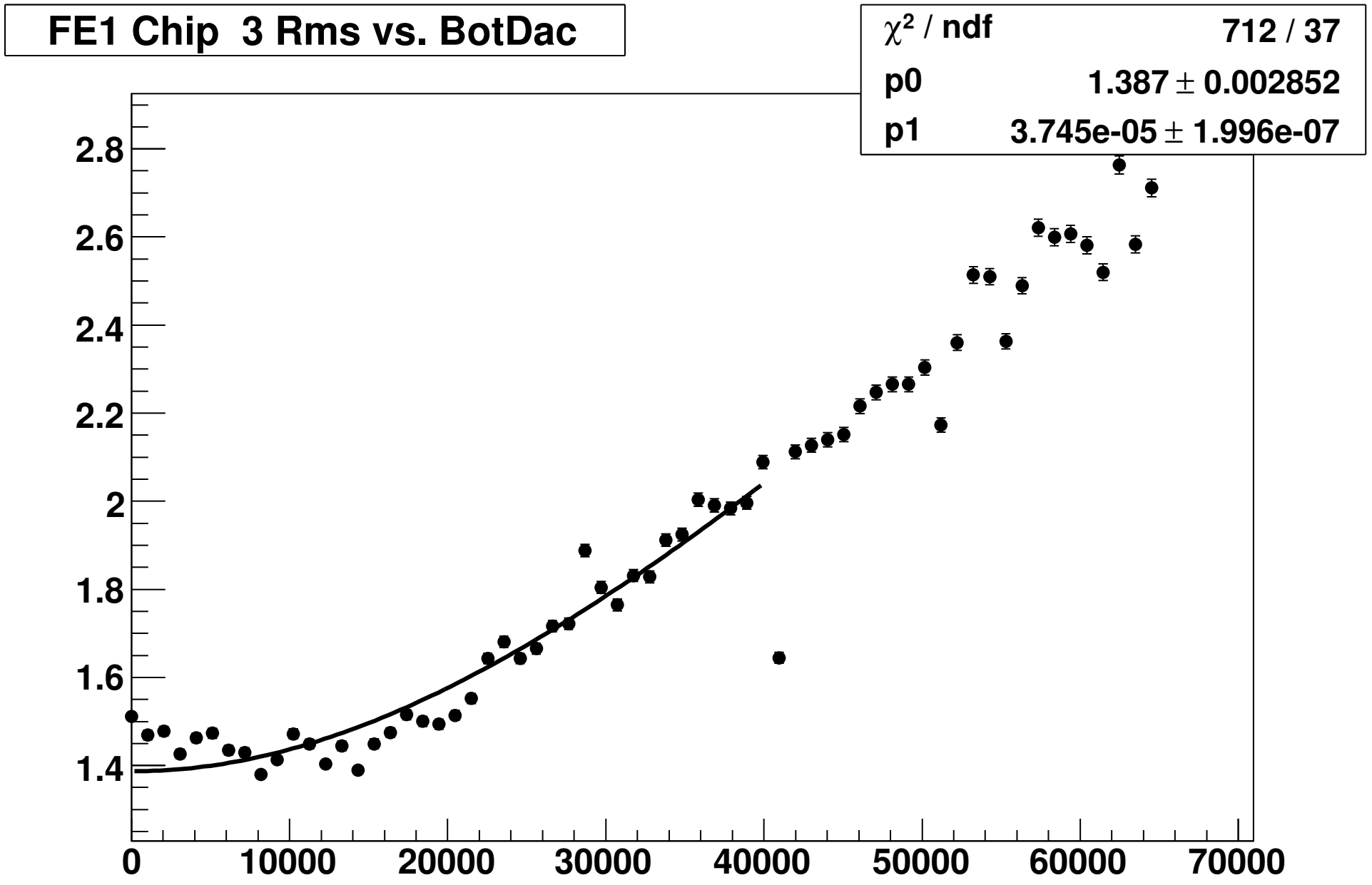
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 712 / 37
p0 1.387 ± 0.002852
p1 3.745e-05 ± 1.996e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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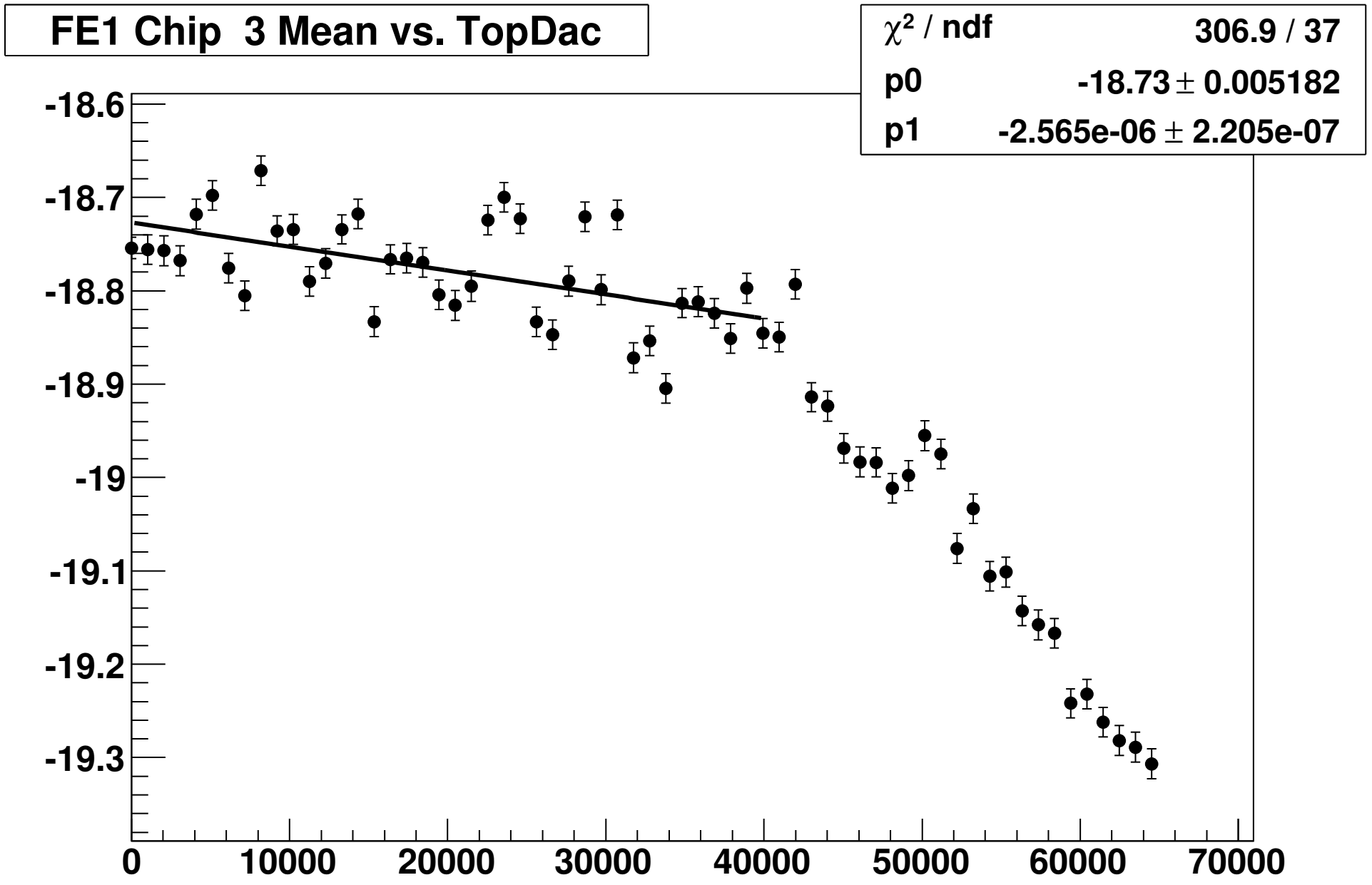
FE1 Chip 3 Mean vs. TopDac
χ² / ndf 306.9 / 37
p0 -18.73 ± 0.005182
p1 -2.565e-06 ± 2.205e-07
-18.6
-18.7
-18.8
-18.9
-19
-19.1
-19.2
-19.3
0
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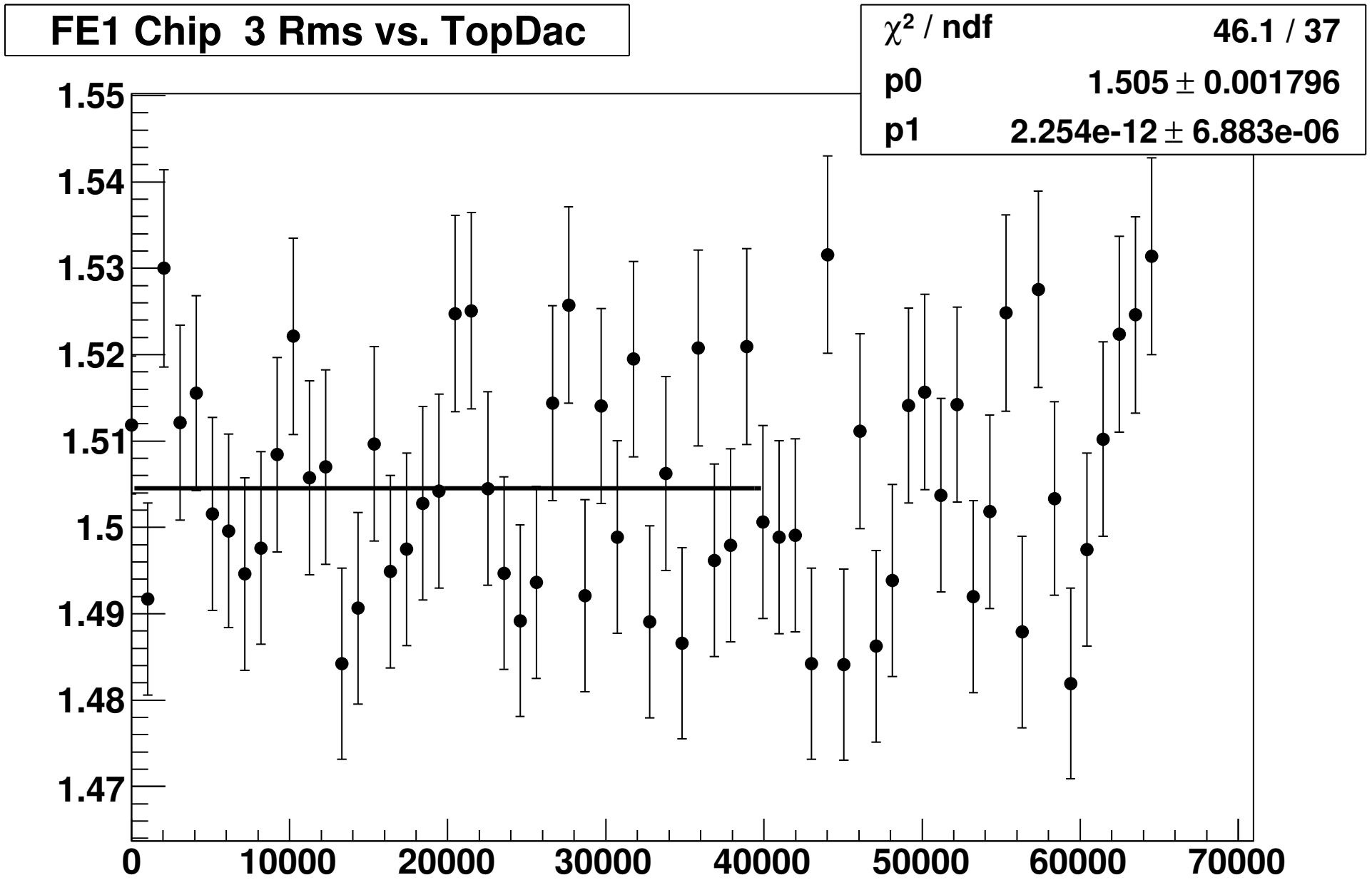
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 46.1 / 37
p0 1.505 ± 0.001796
p1 2.254e-12 ± 6.883e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
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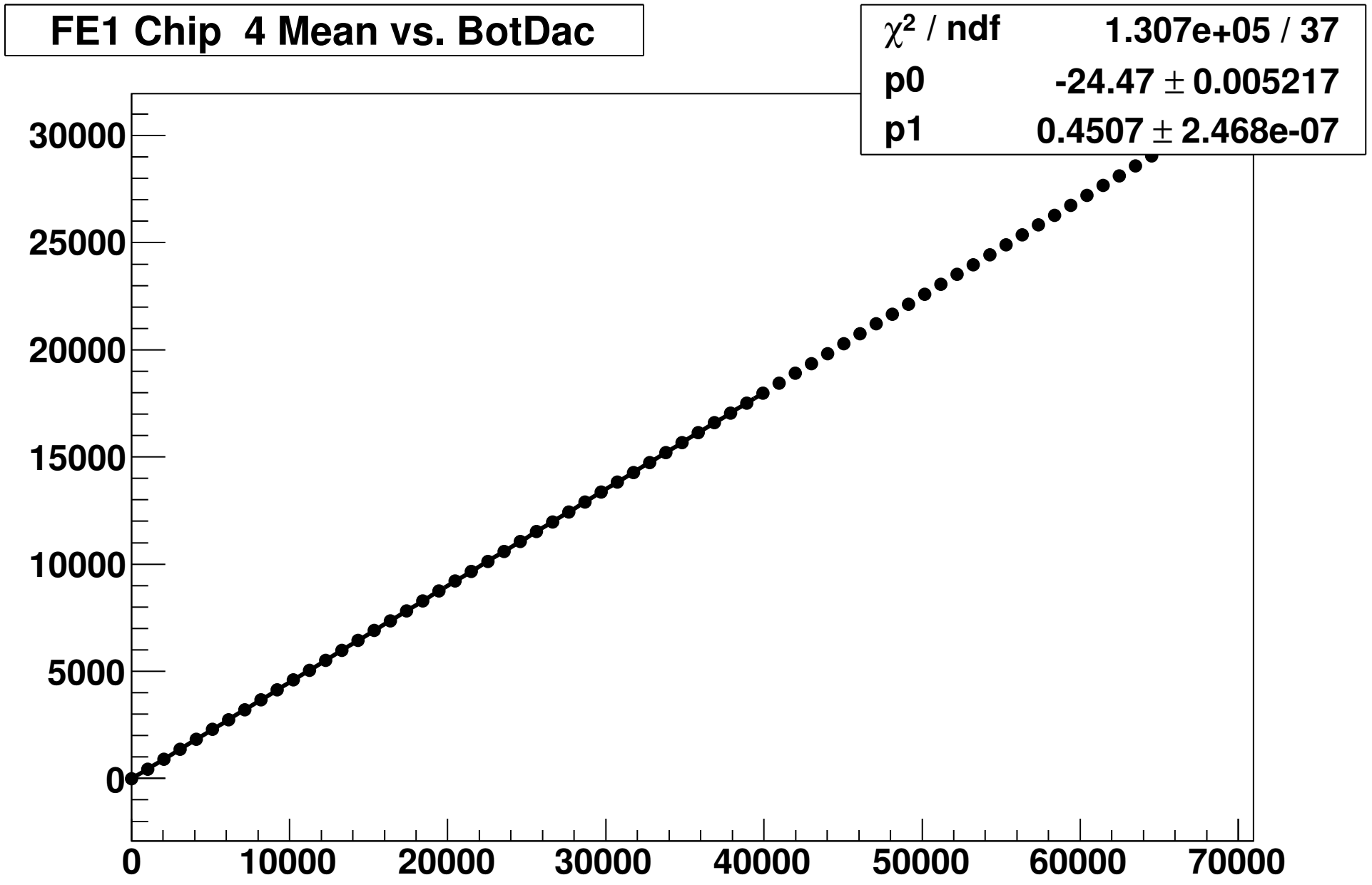
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.307e+05 / 37
p0 -24.47 ± 0.005217
p1 0.4507 ± 2.468e-07
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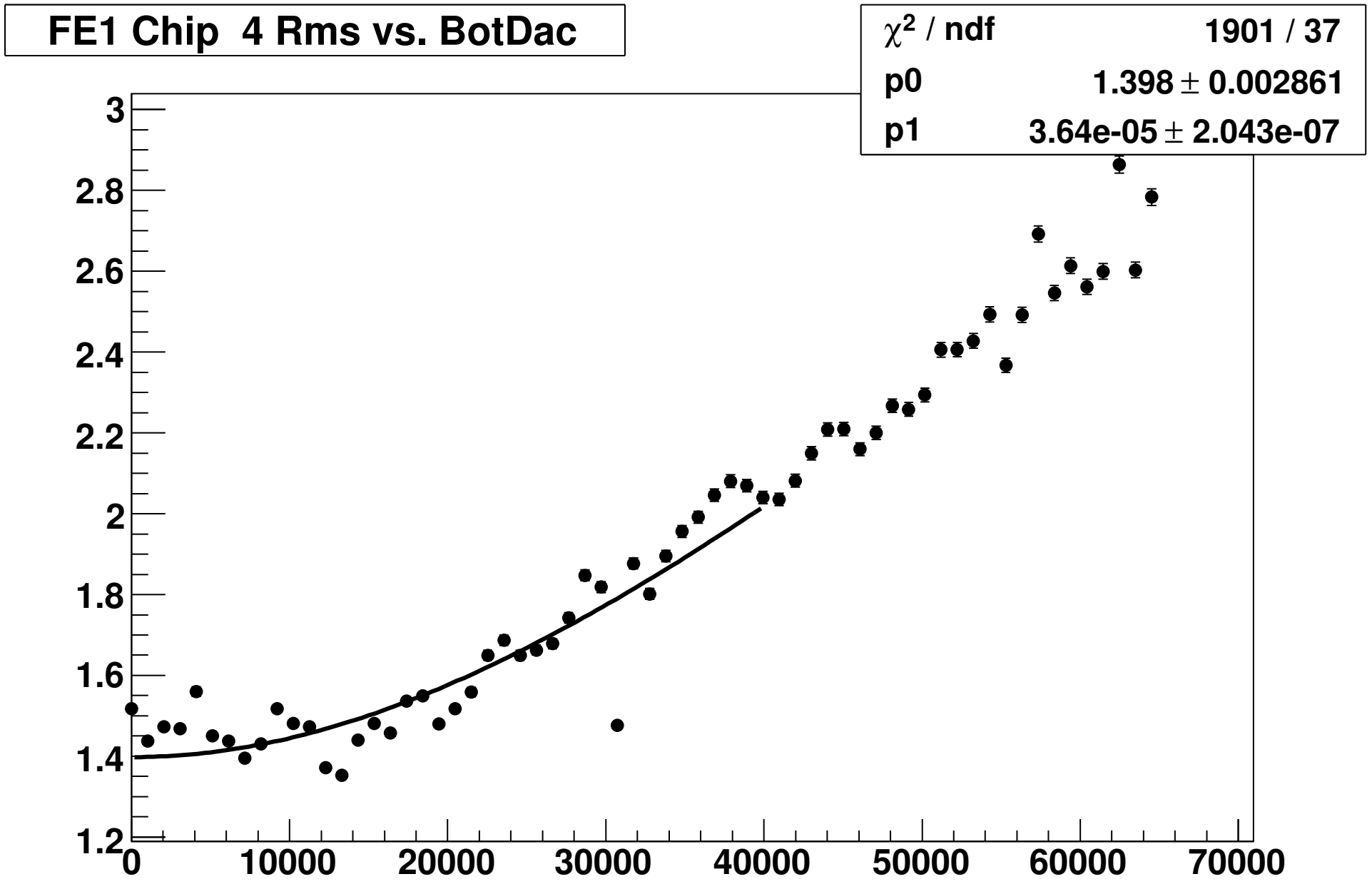
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1901 / 37
p0 1.398 ± 0.002861
p1 3.64e-05 ± 2.043e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
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60000
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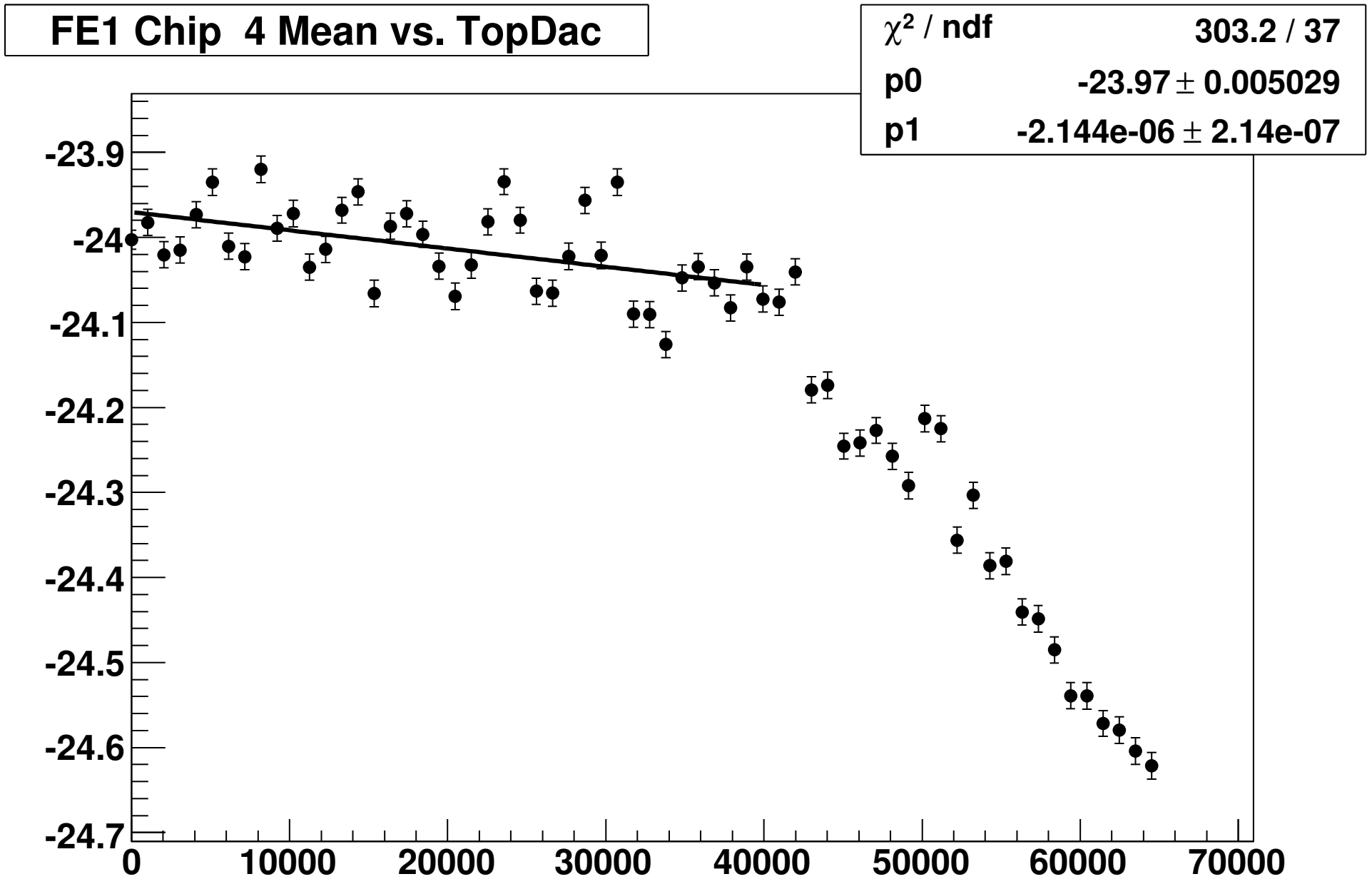
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 303.2 / 37
p0 -23.97 ± 0.005029
p1 -2.144e-06 ± 2.14e-07
-23.9
-24
-24.1
-24.2
-24.3
-24.4
-24.5
-24.6
-24.7
0
10000
20000
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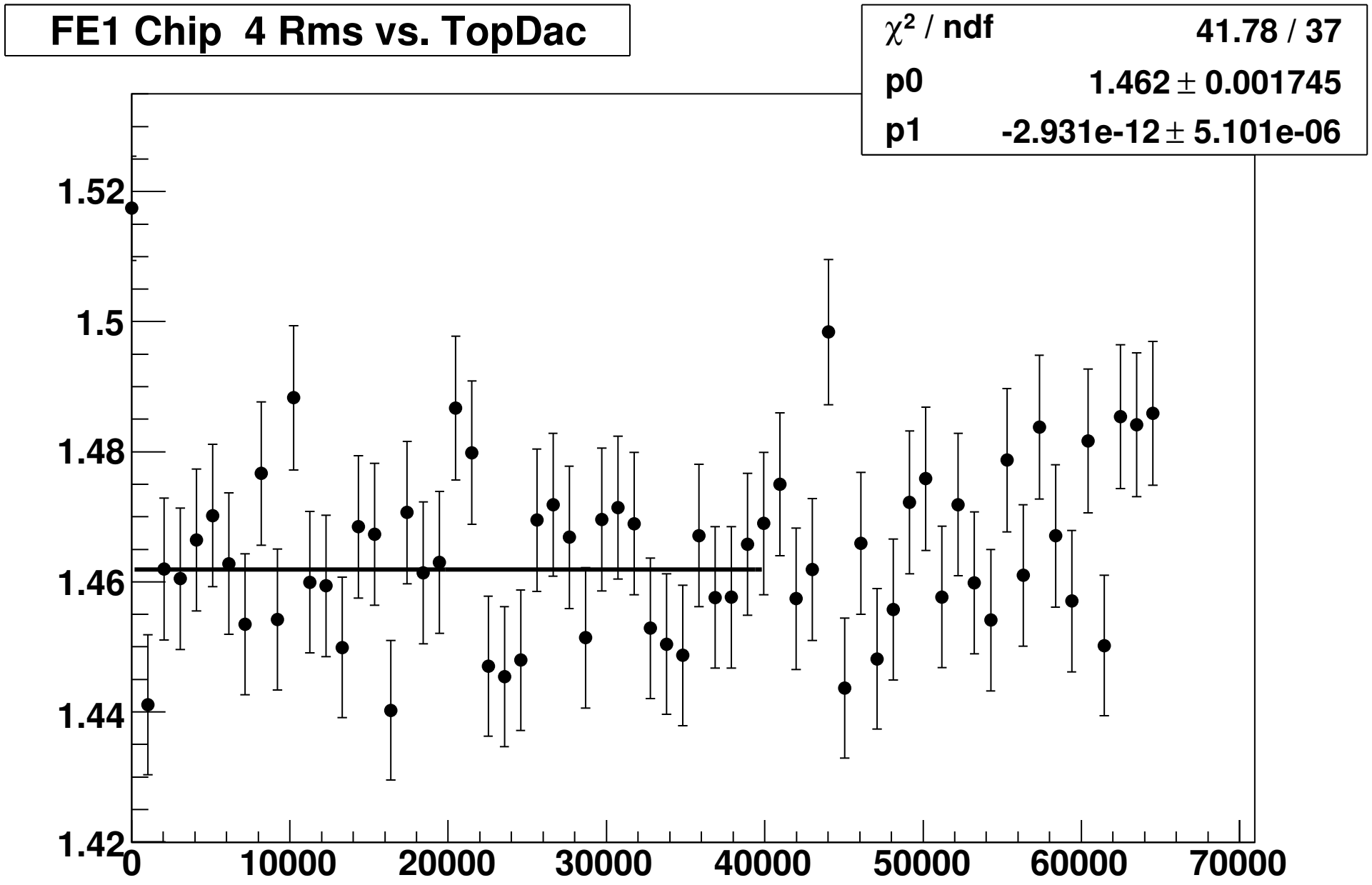
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 41.78 / 37
p0 1.462 ± 0.001745
p1 -2.931e-12 ± 5.101e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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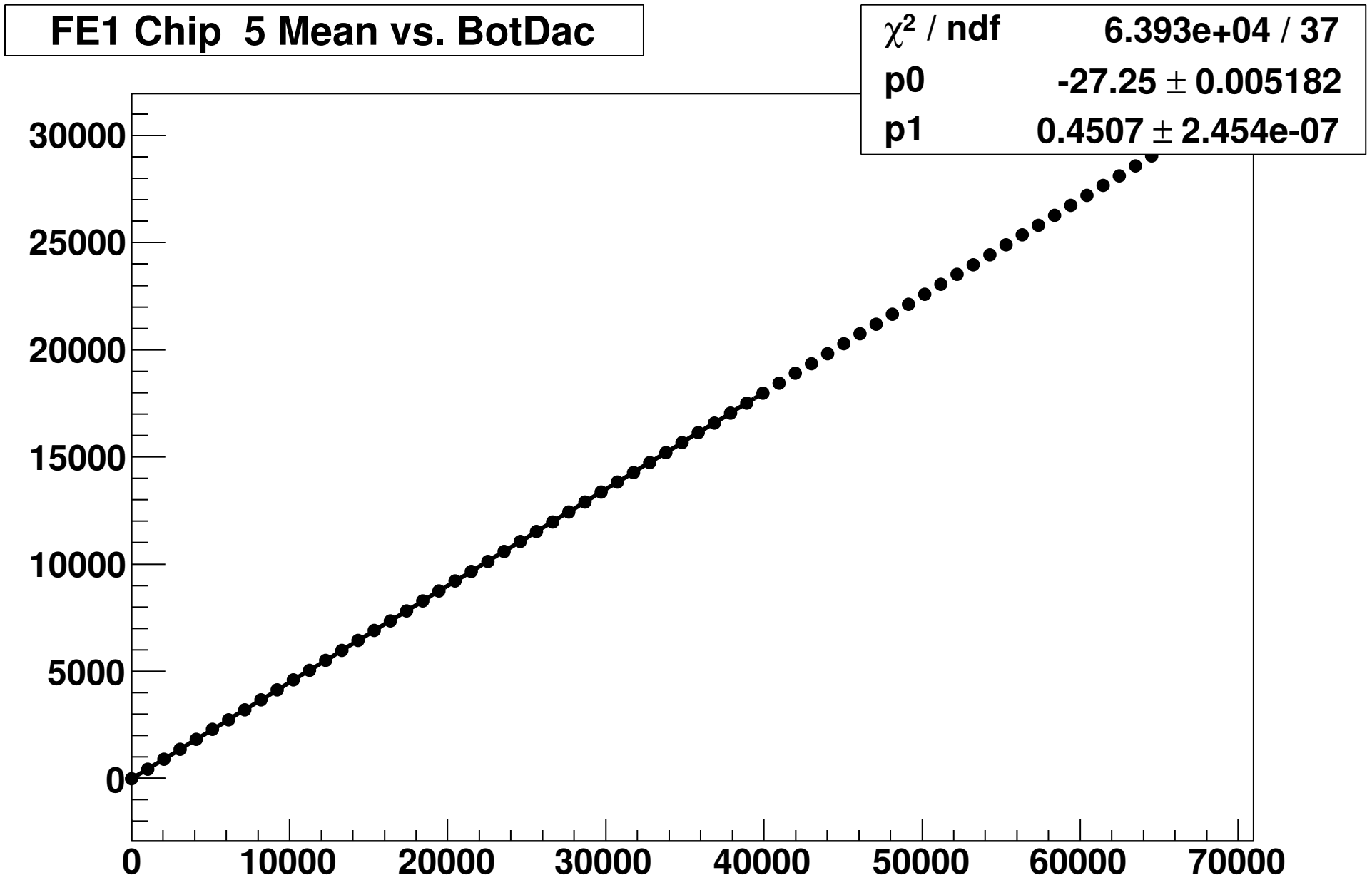
60000
70000


FE1 Chip 5 Mean vs. BotDac
χ² / ndf 6.393e+04 / 37
p0 -27.25 ± 0.005182
p1 0.4507 ± 2.454e-07
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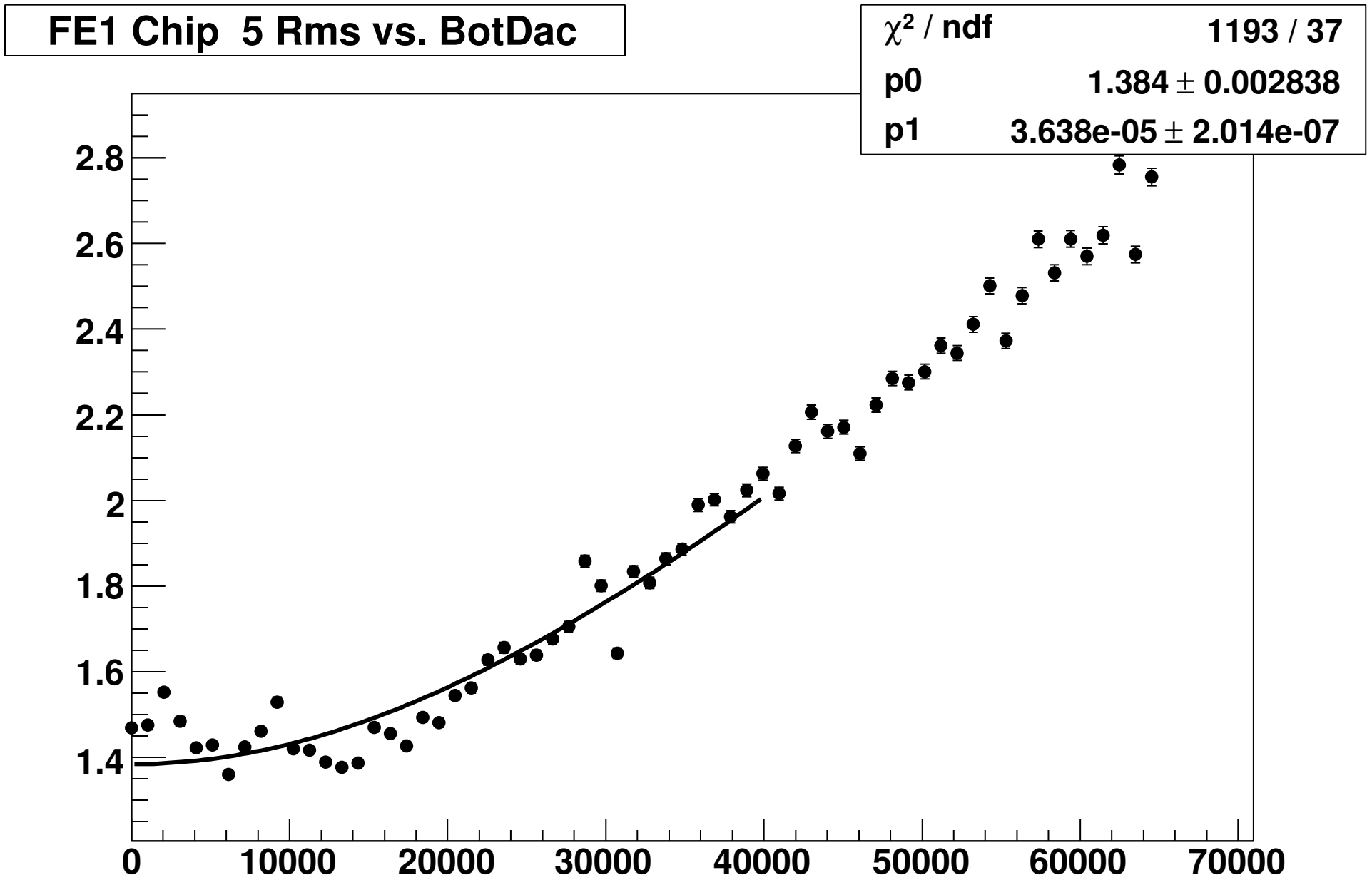
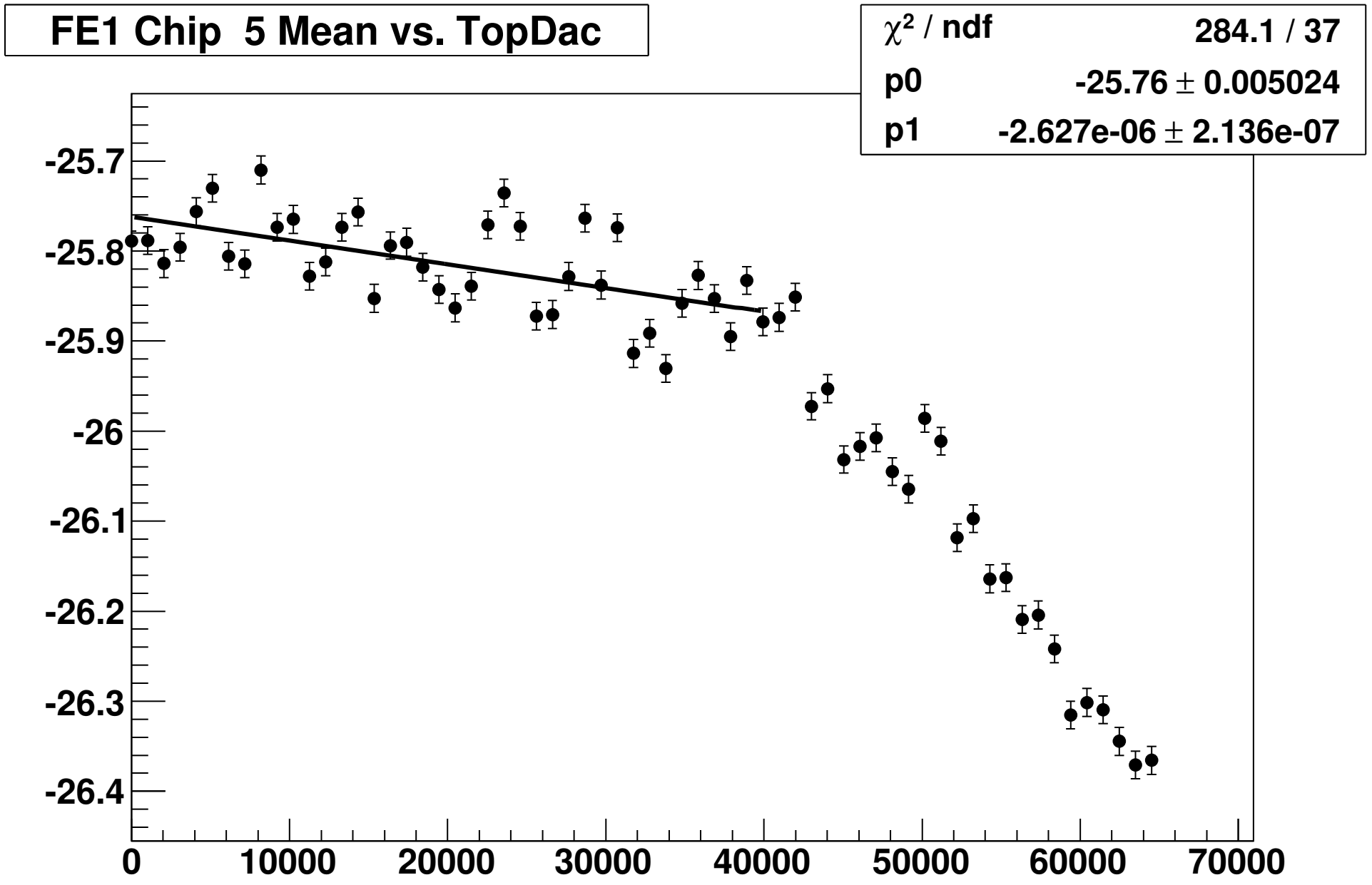
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1193 / 37
p0 1.384 ± 0.002838
p1 3.638e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 284.1 / 37
p0 -25.76 ± 0.005024
p1 -2.627e-06 ± 2.136e-07
-25.7
-25.8
-25.9
-26
-26.1
-26.2
-26.3
-26.4
0
10000
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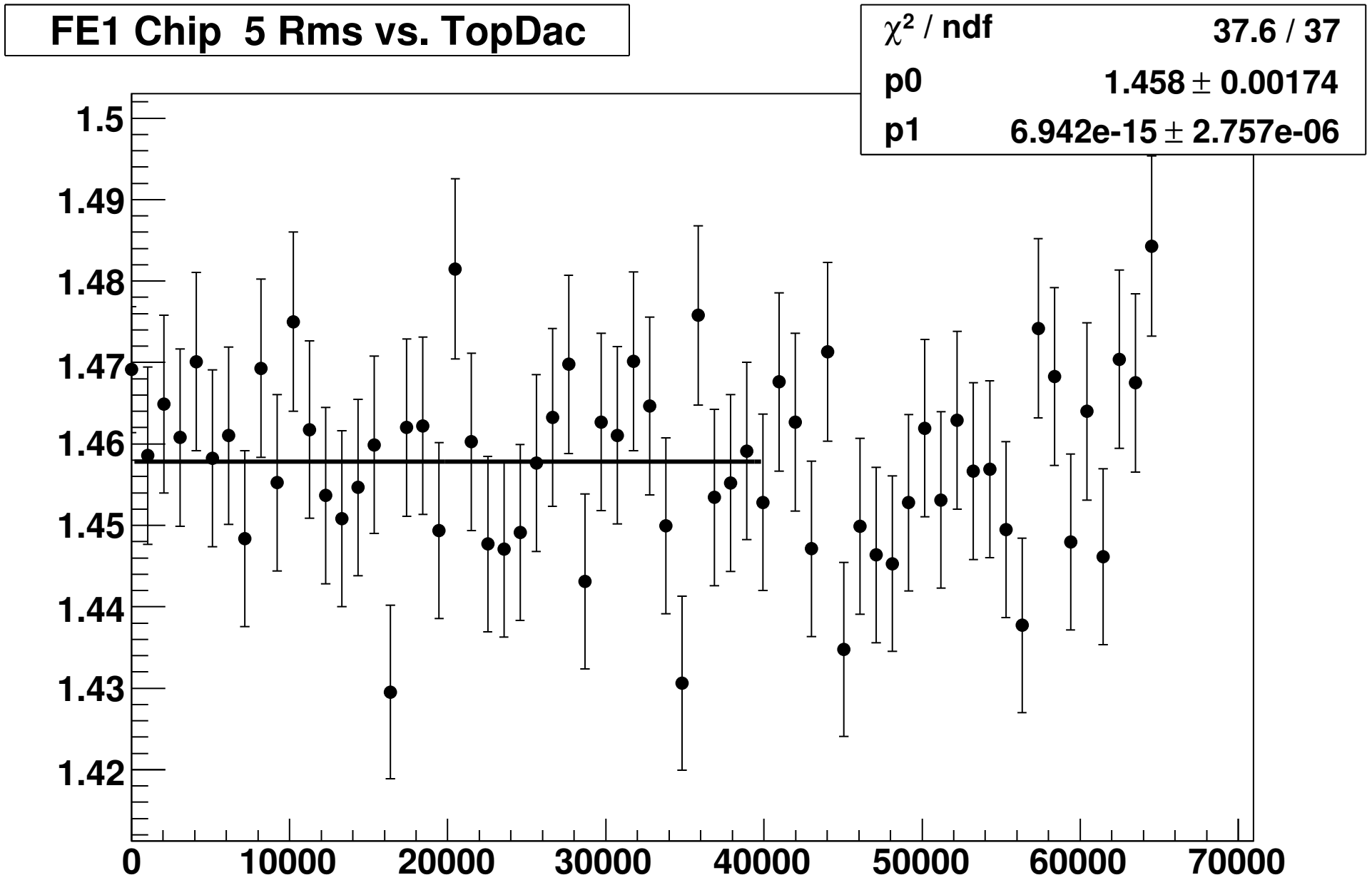
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 37.6 / 37
p0 1.458 ± 0.00174
p1 6.942e-15 ± 2.757e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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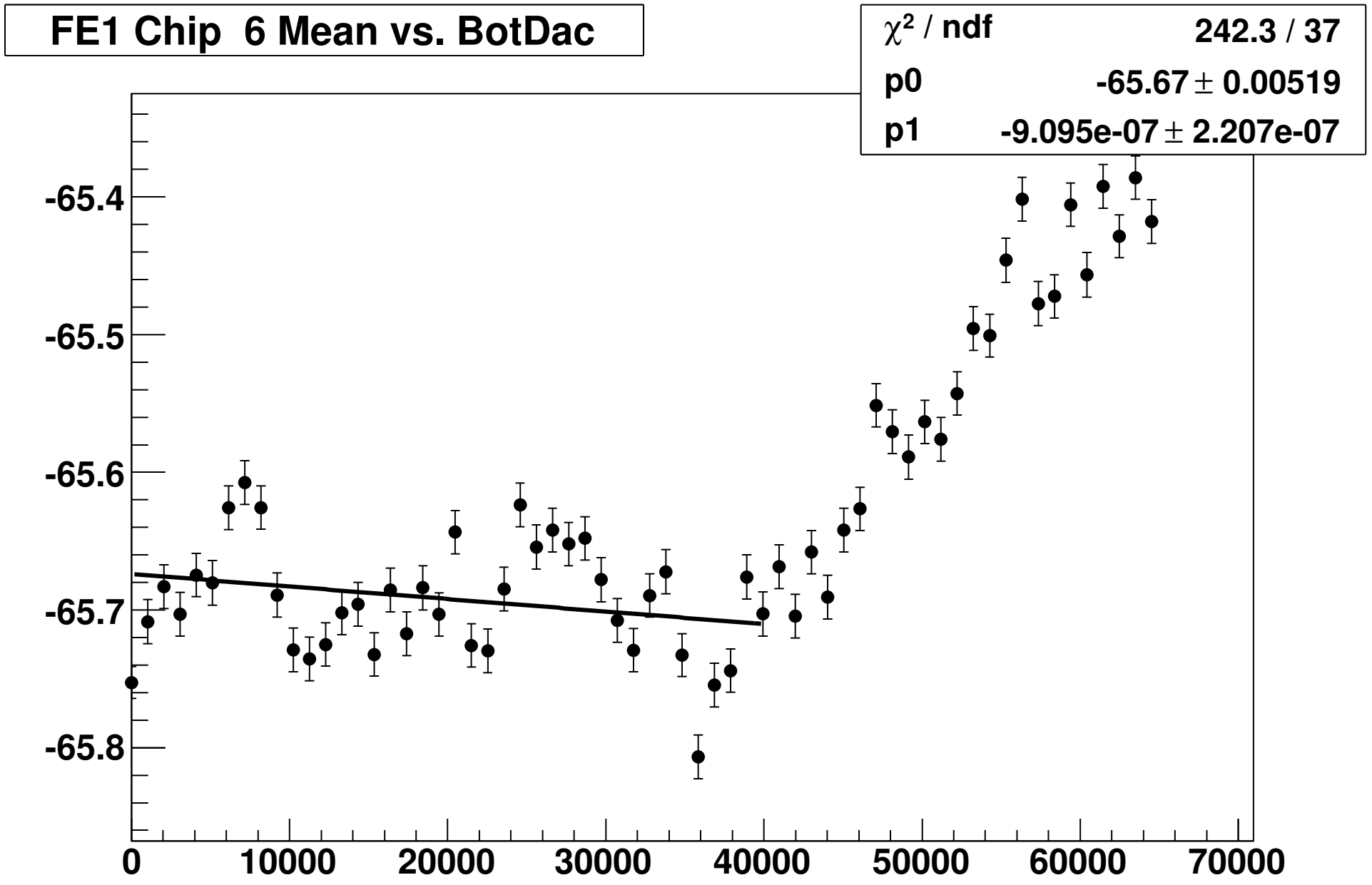
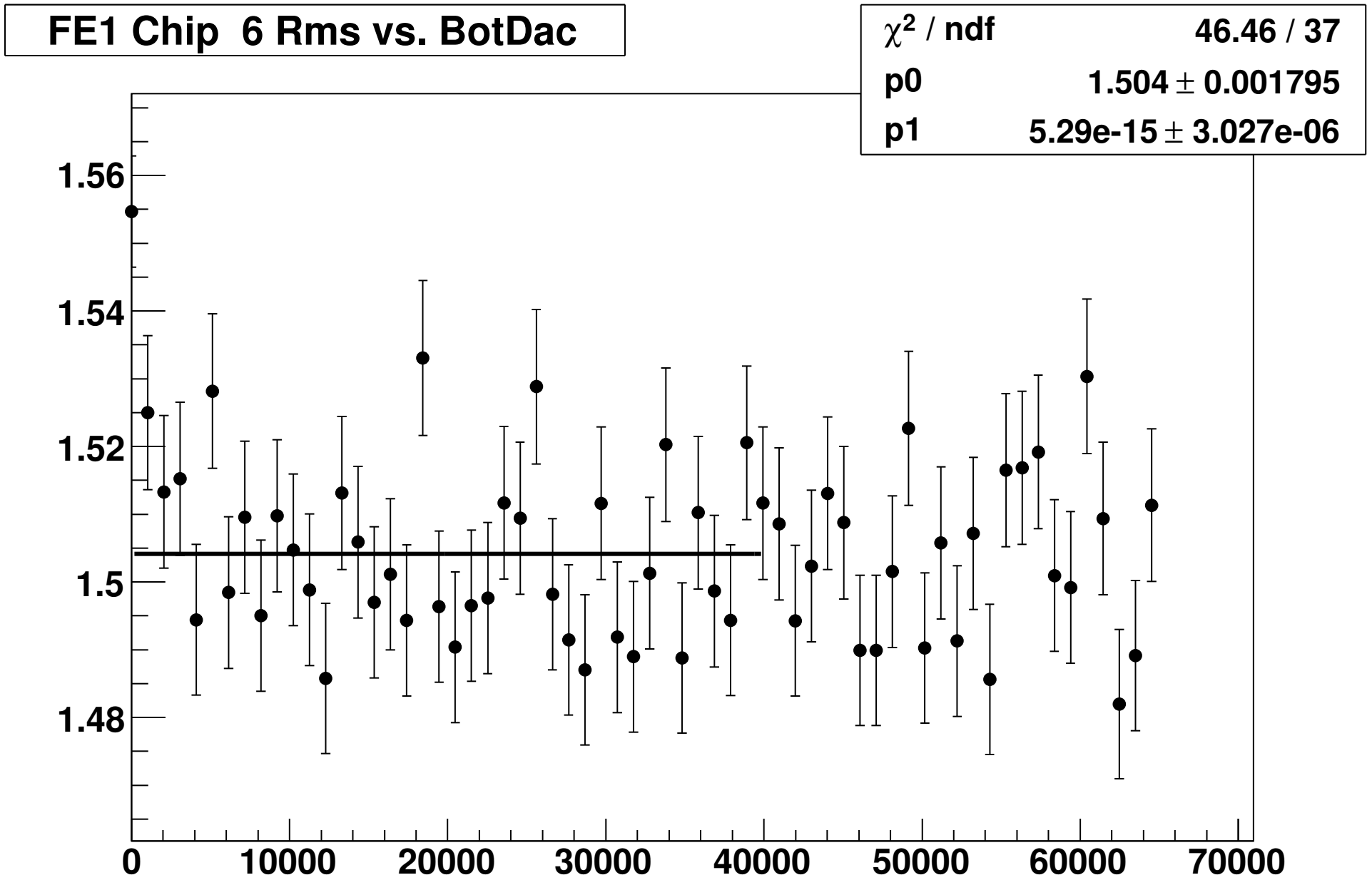
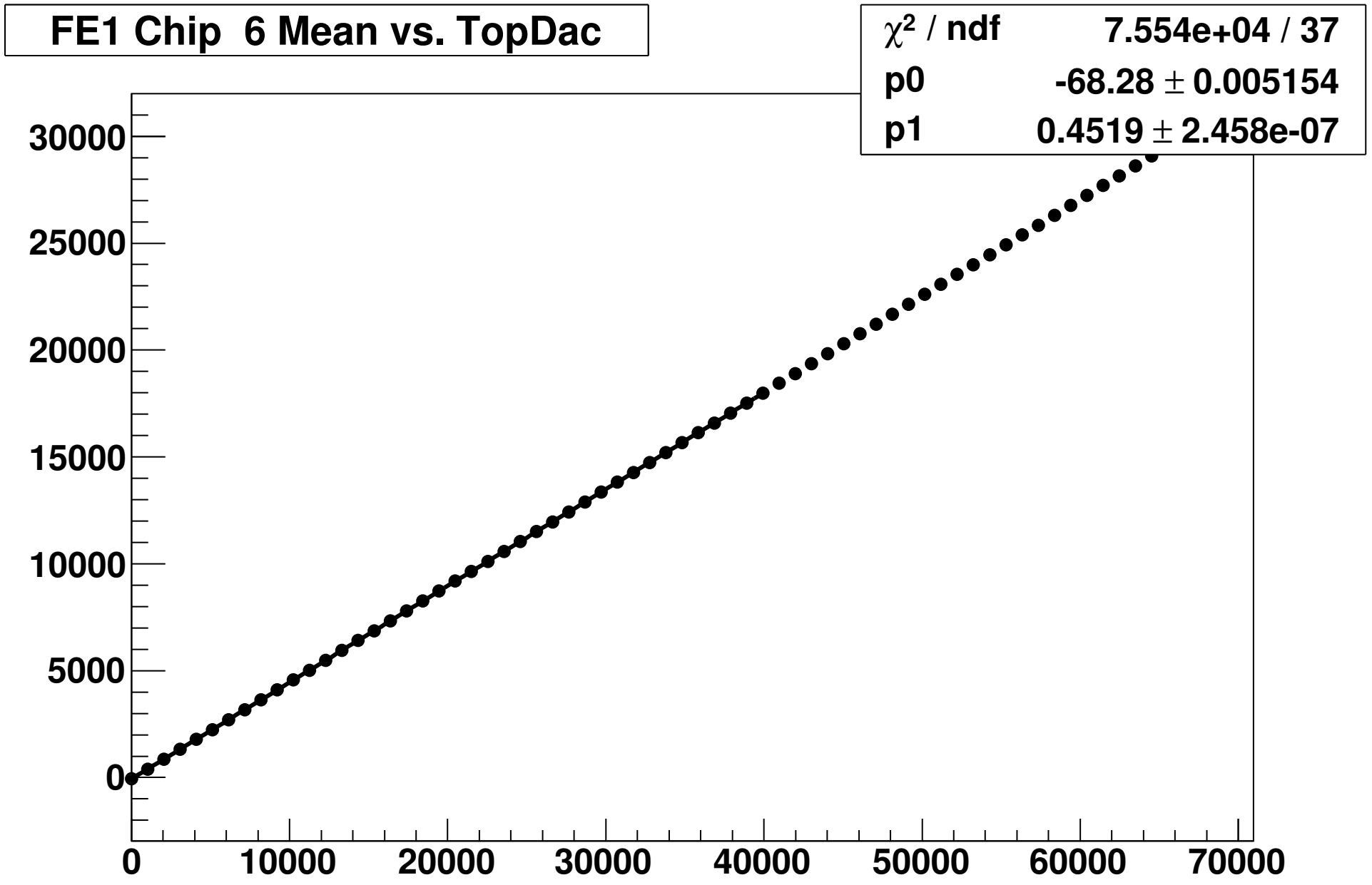

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 242.3 / 37
p0 -65.67 ± 0.00519
p1 -9.095e-07 ± 2.207e-07
-65.4
-65.5
-65.6
-65.7
-65.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 46.46 / 37
p0 1.504 ± 0.001795
p1 5.29e-15 ± 3.027e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 7.554e+04 / 37
p0 -68.28 ± 0.005154
p1 0.4519 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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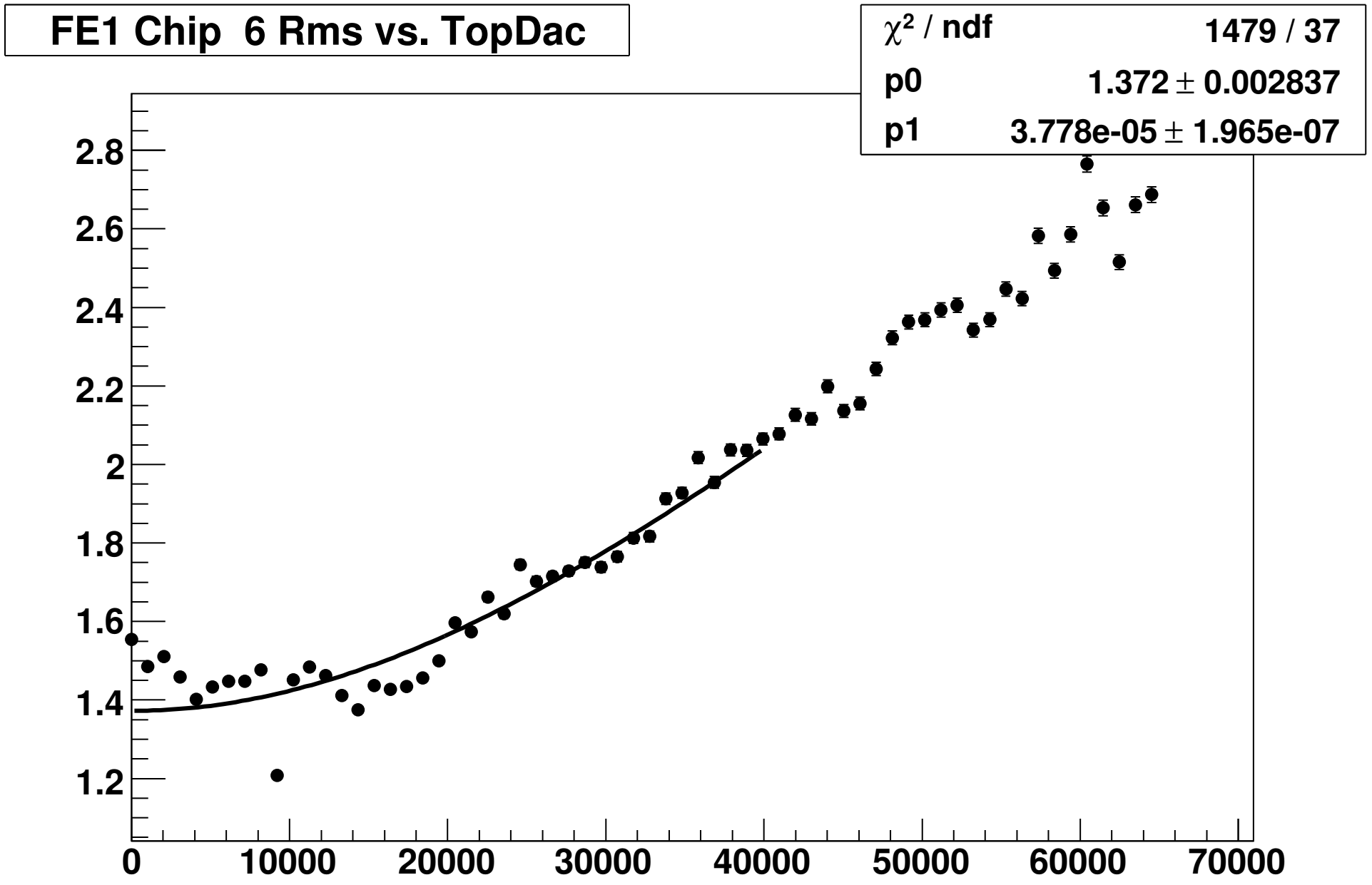
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1479 / 37
p0 1.372 ± 0.002837
p1 3.778e-05 ± 1.965e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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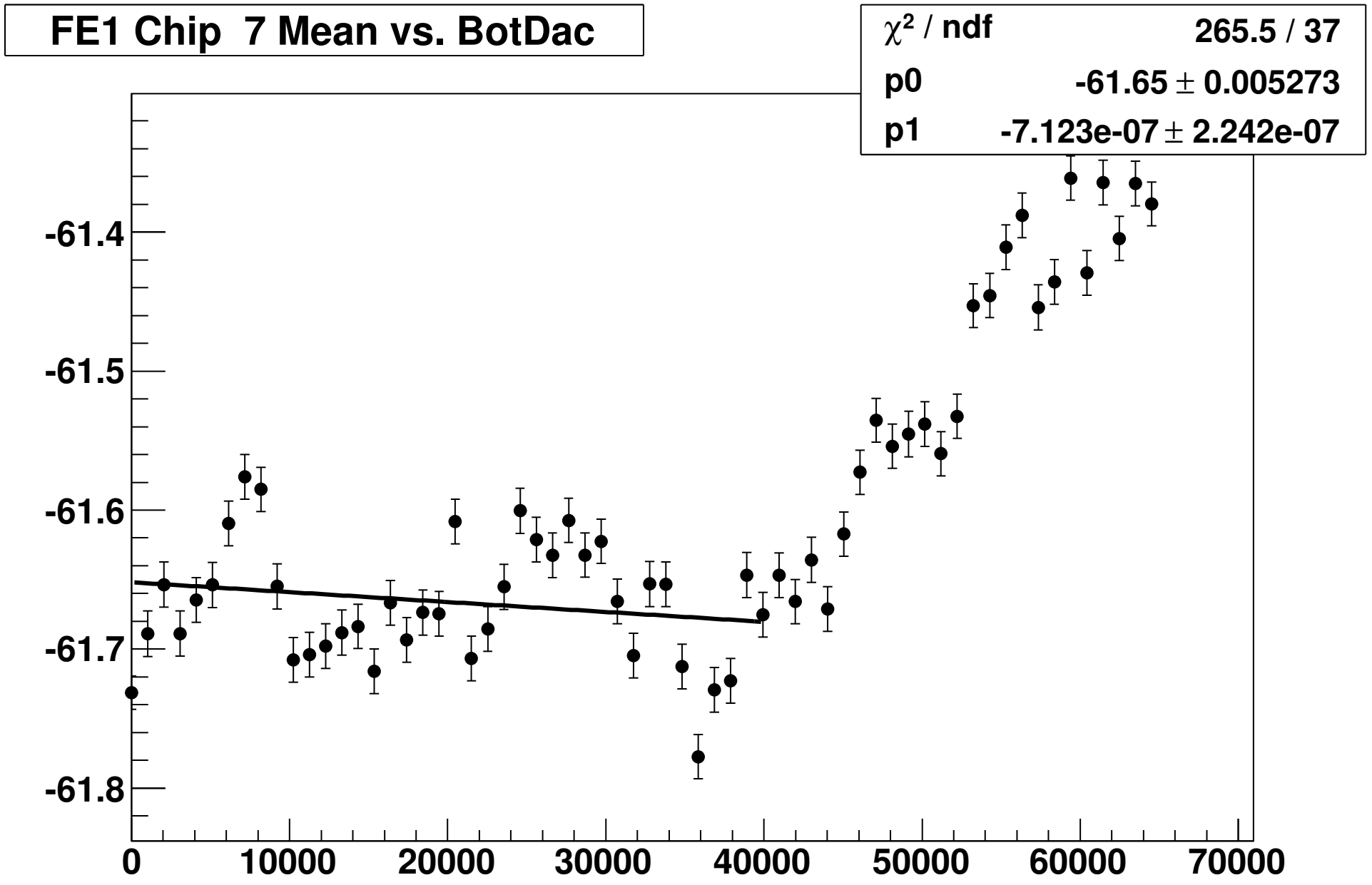
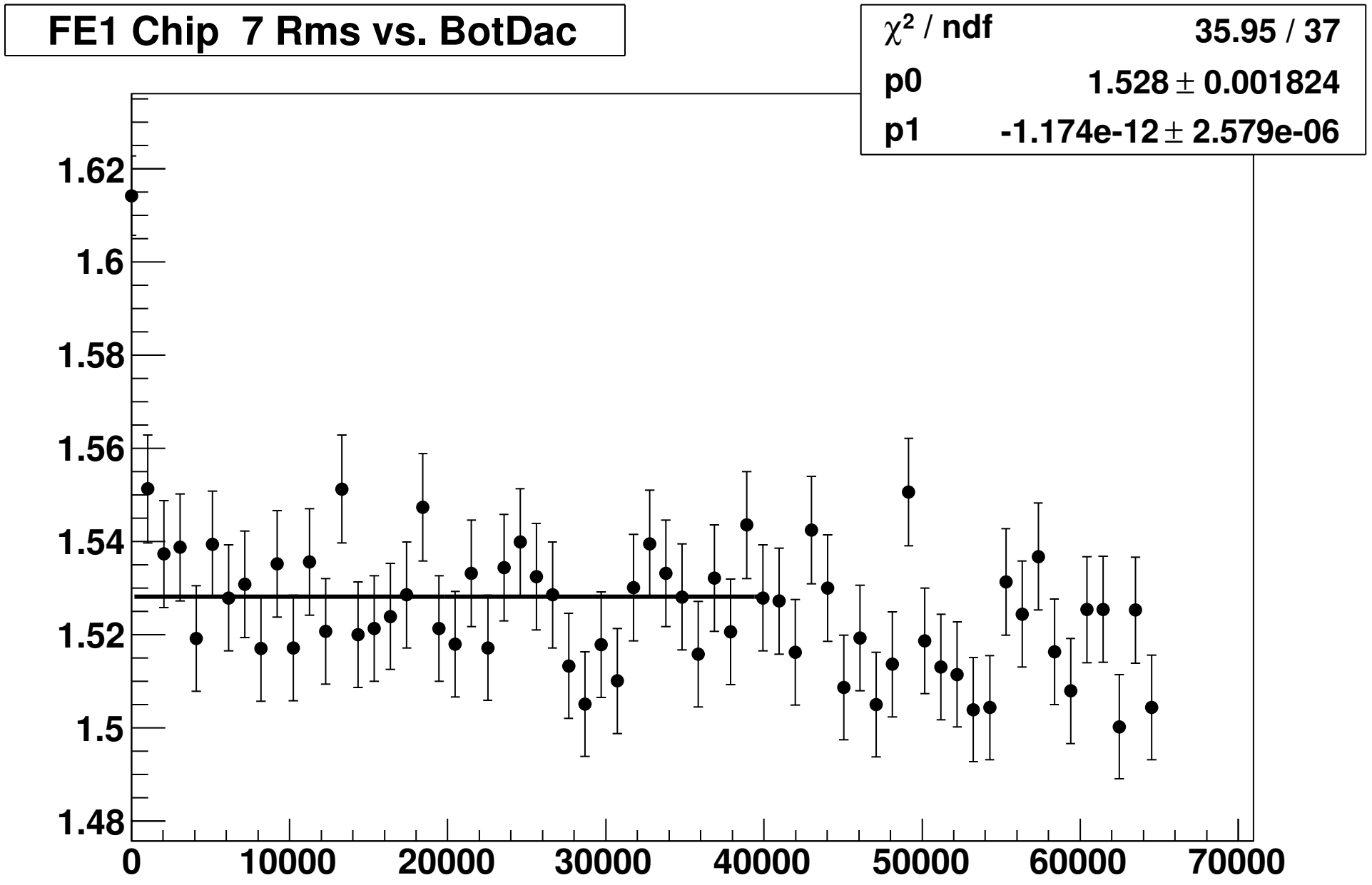
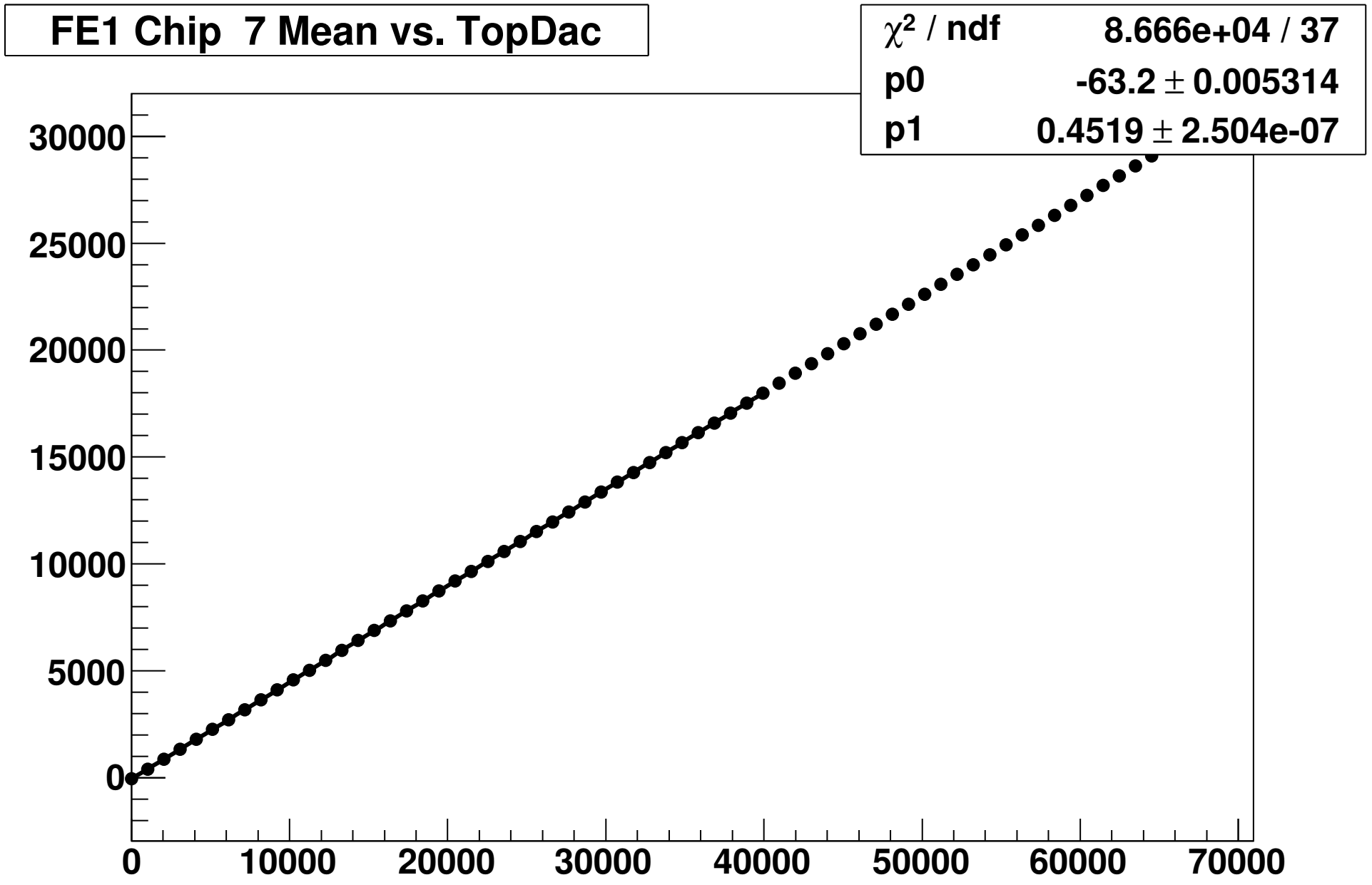
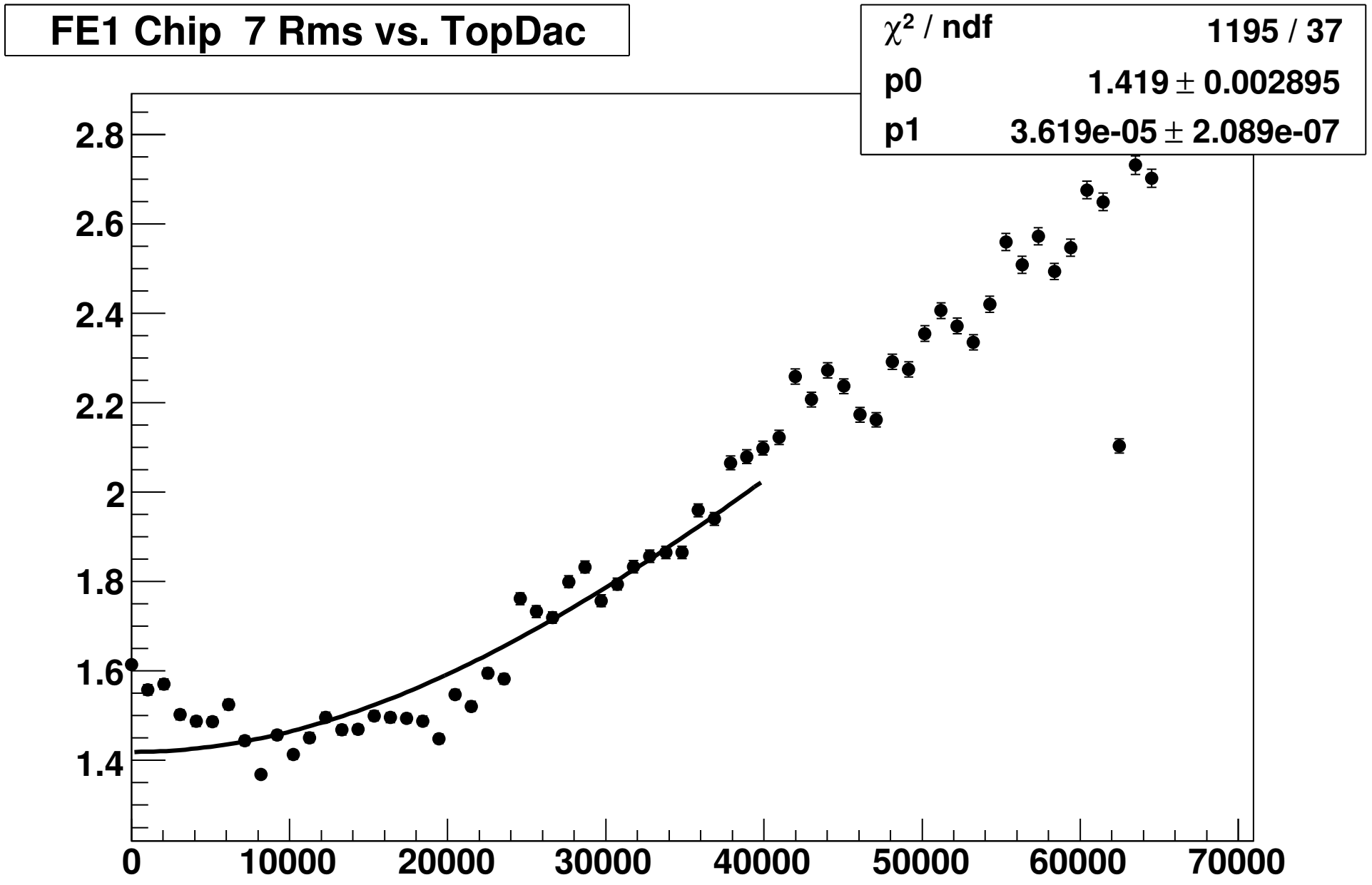

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 265.5 / 37
p0 -61.65 ± 0.005273
p1 -7.123e-07 ± 2.242e-07
-61.4
-61.5
-61.6
-61.7
-61.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 35.95 / 37
p0 1.528 ± 0.001824
p1 -1.174e-12 ± 2.579e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 8.666e+04 / 37
p0 -63.2 ± 0.005314
p1 0.4519 ± 2.504e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1195 / 37
p0 1.419 ± 0.002895
p1 3.619e-05 ± 2.089e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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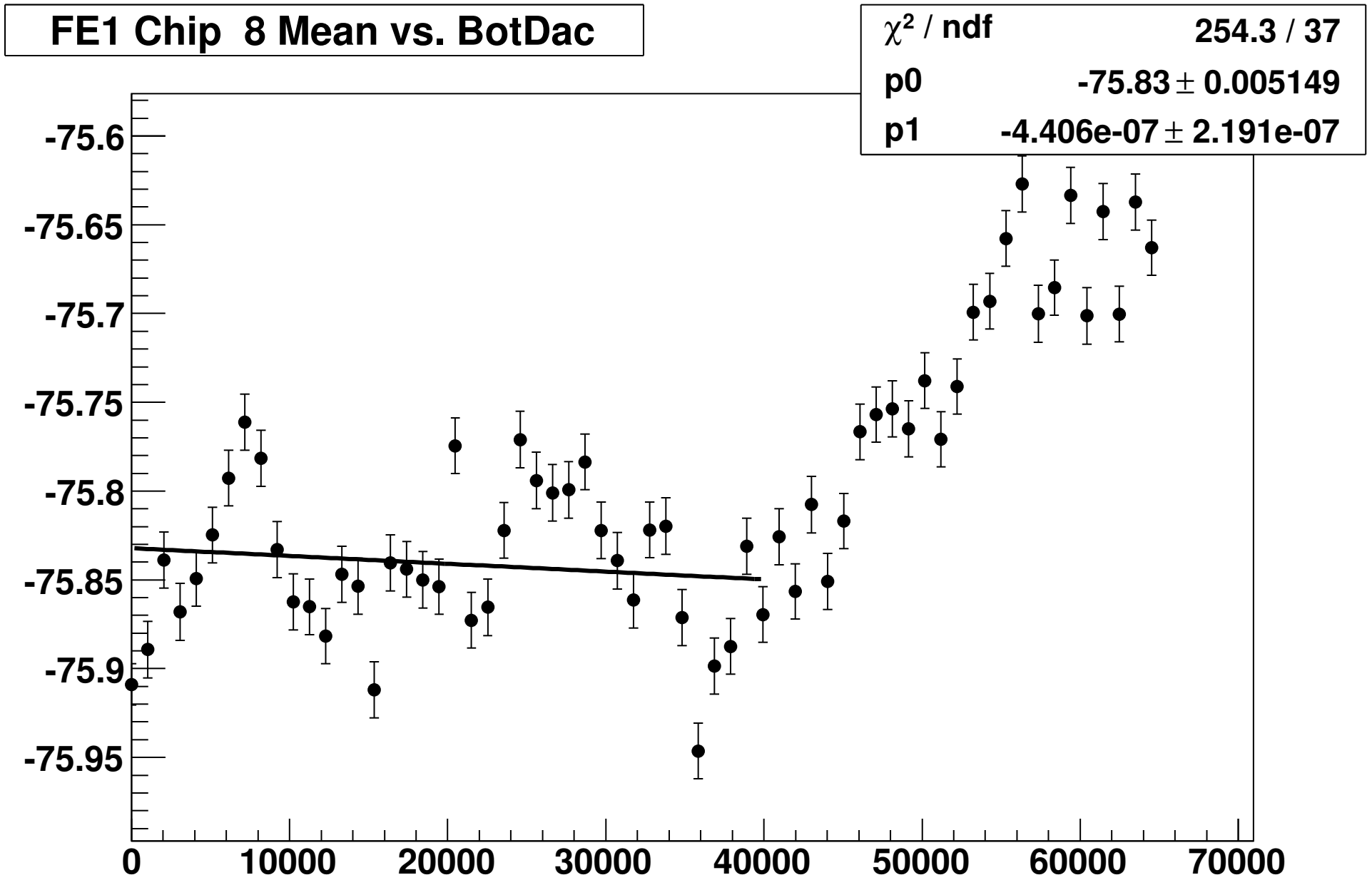
50000
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 254.3 / 37
p0 -75.83 ± 0.005149
p1 -4.406e-07 ± 2.191e-07
-75.6
-75.65
-75.7
-75.75
-75.8
-75.85
-75.9
-75.95
0
10000
20000
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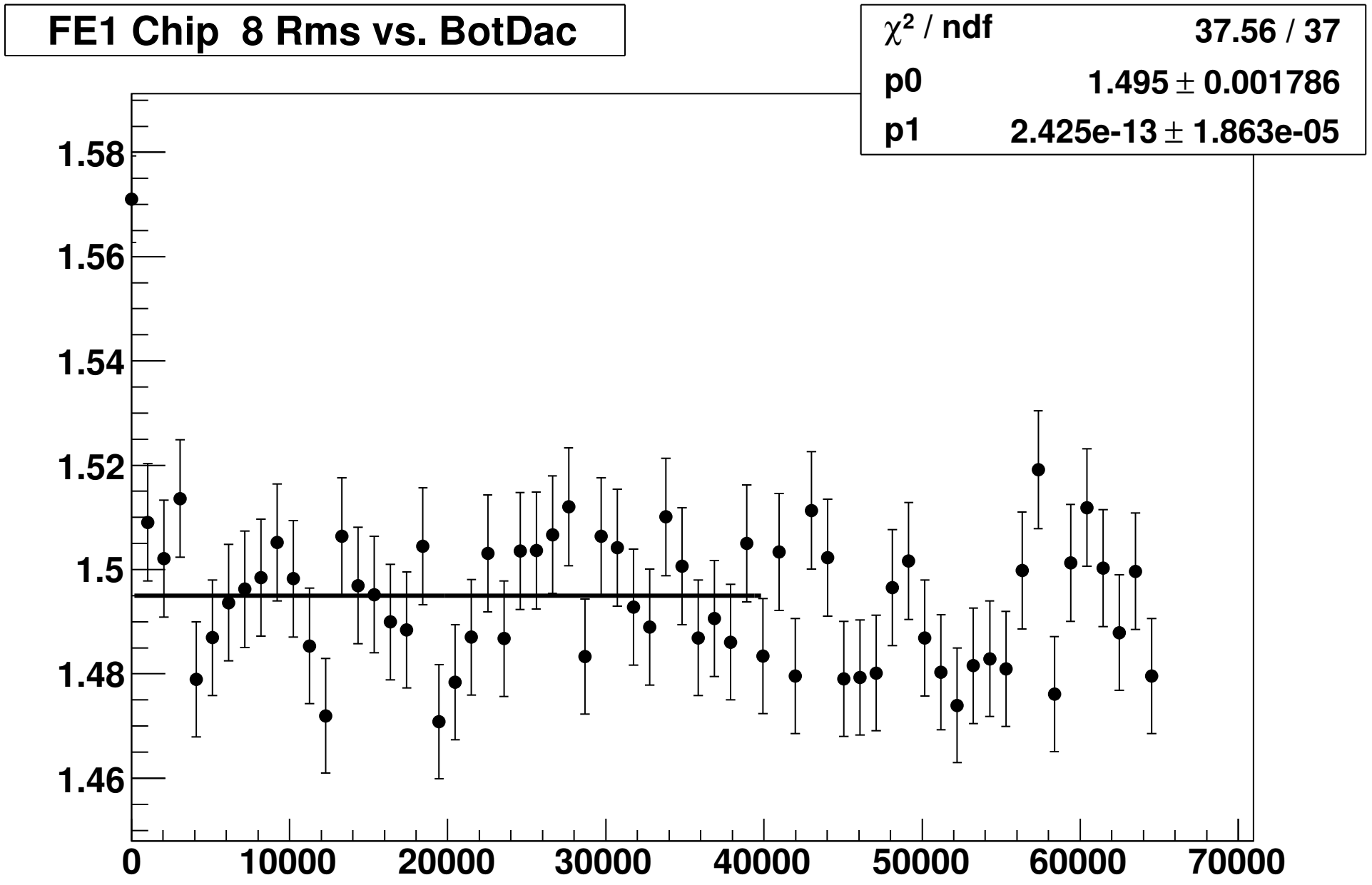
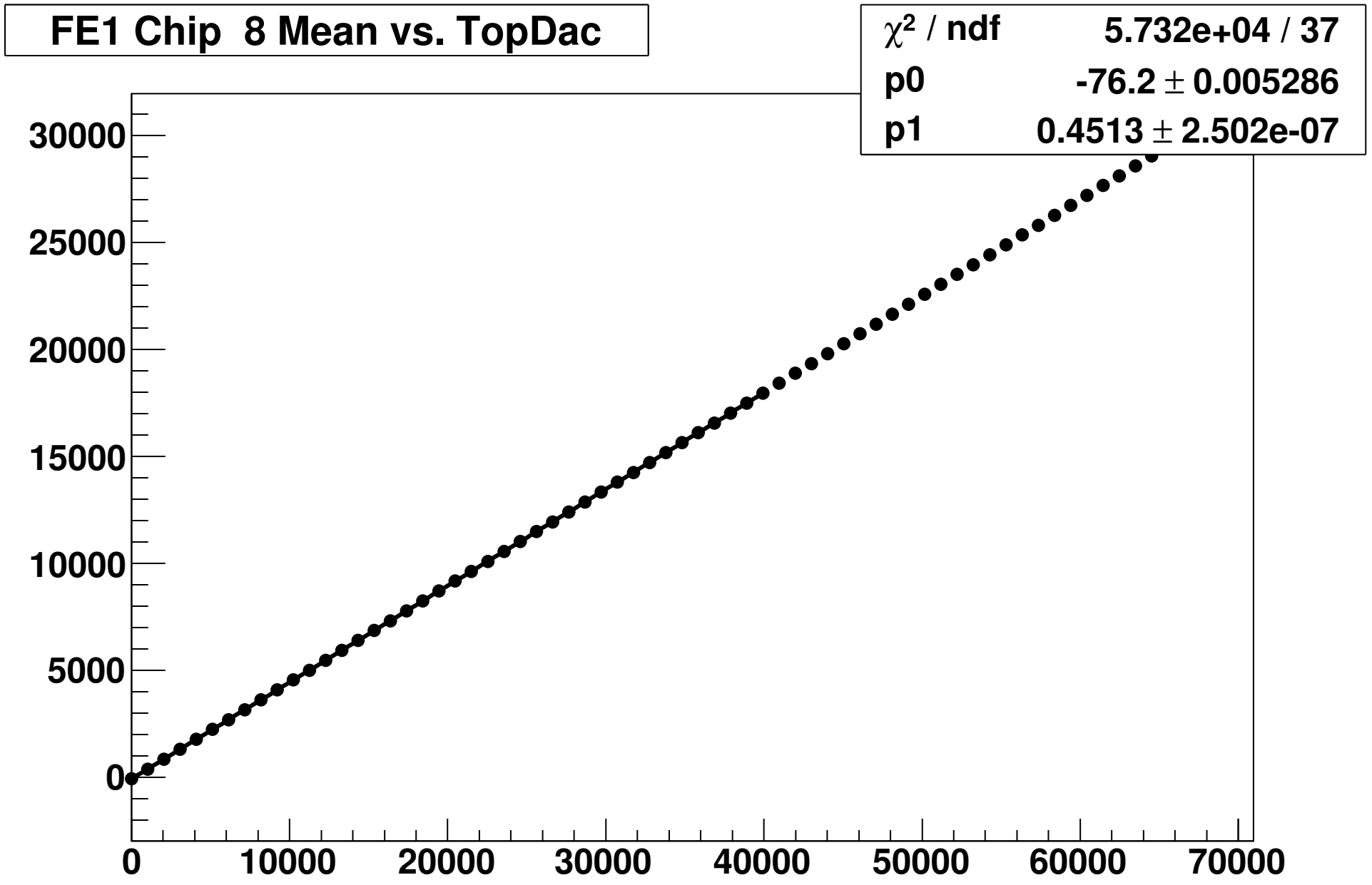
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 37.56 / 37
p0 1.495 ± 0.001786
p1 2.425e-13 ± 1.863e-05
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 5.732e+04 / 37
p0 -76.2 ± 0.005286
p1 0.4513 ± 2.502e-07
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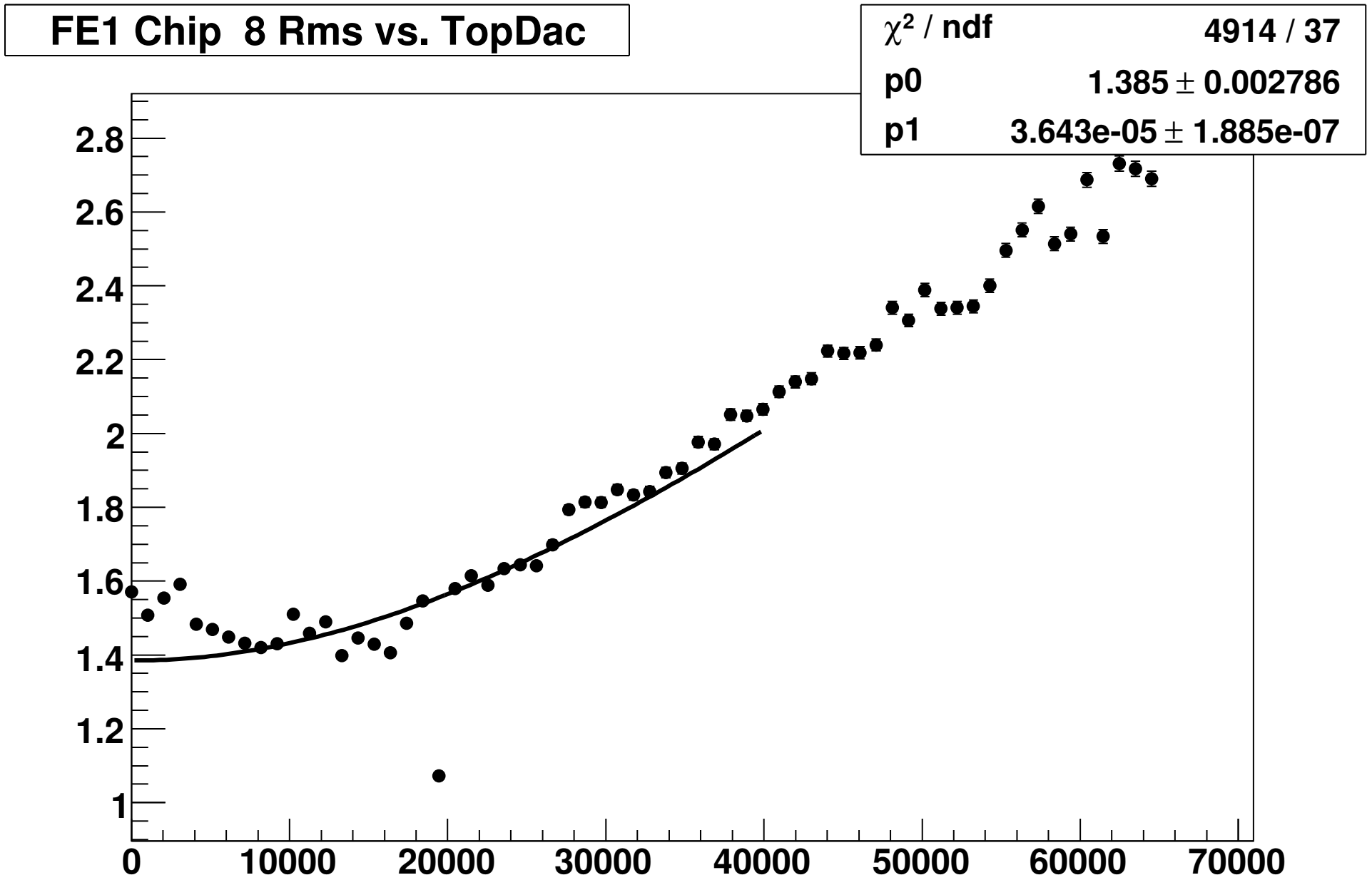
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 4914 / 37
p0 1.385 ± 0.002786
p1 3.643e-05 ± 1.885e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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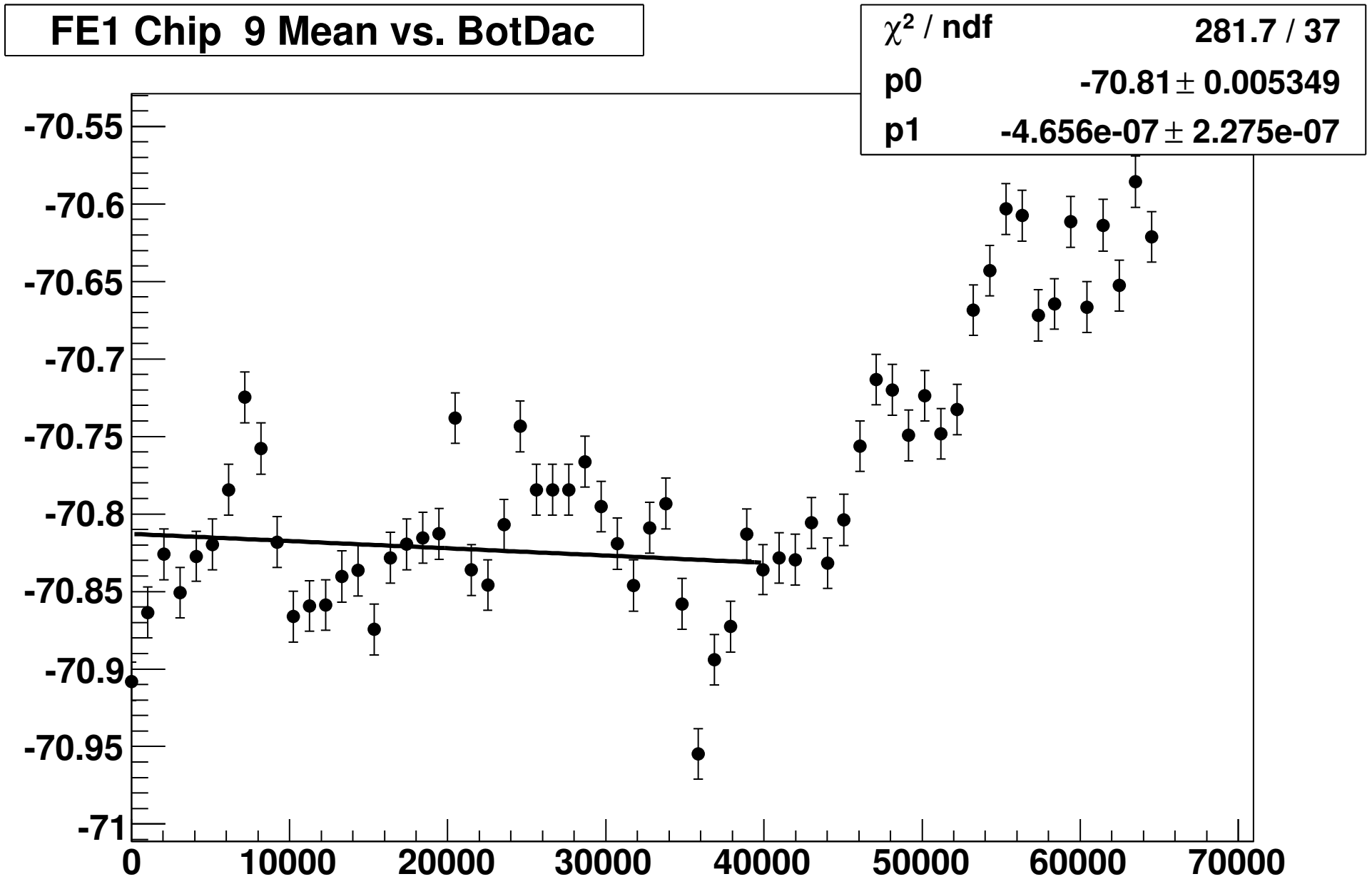
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 281.7 / 37
p0 -70.81 ± 0.005349
p1 -4.656e-07 ± 2.275e-07
-70.55
-70.6
-70.65
-70.7
-70.75
-70.8
-70.85
-70.9
-70.95
-71
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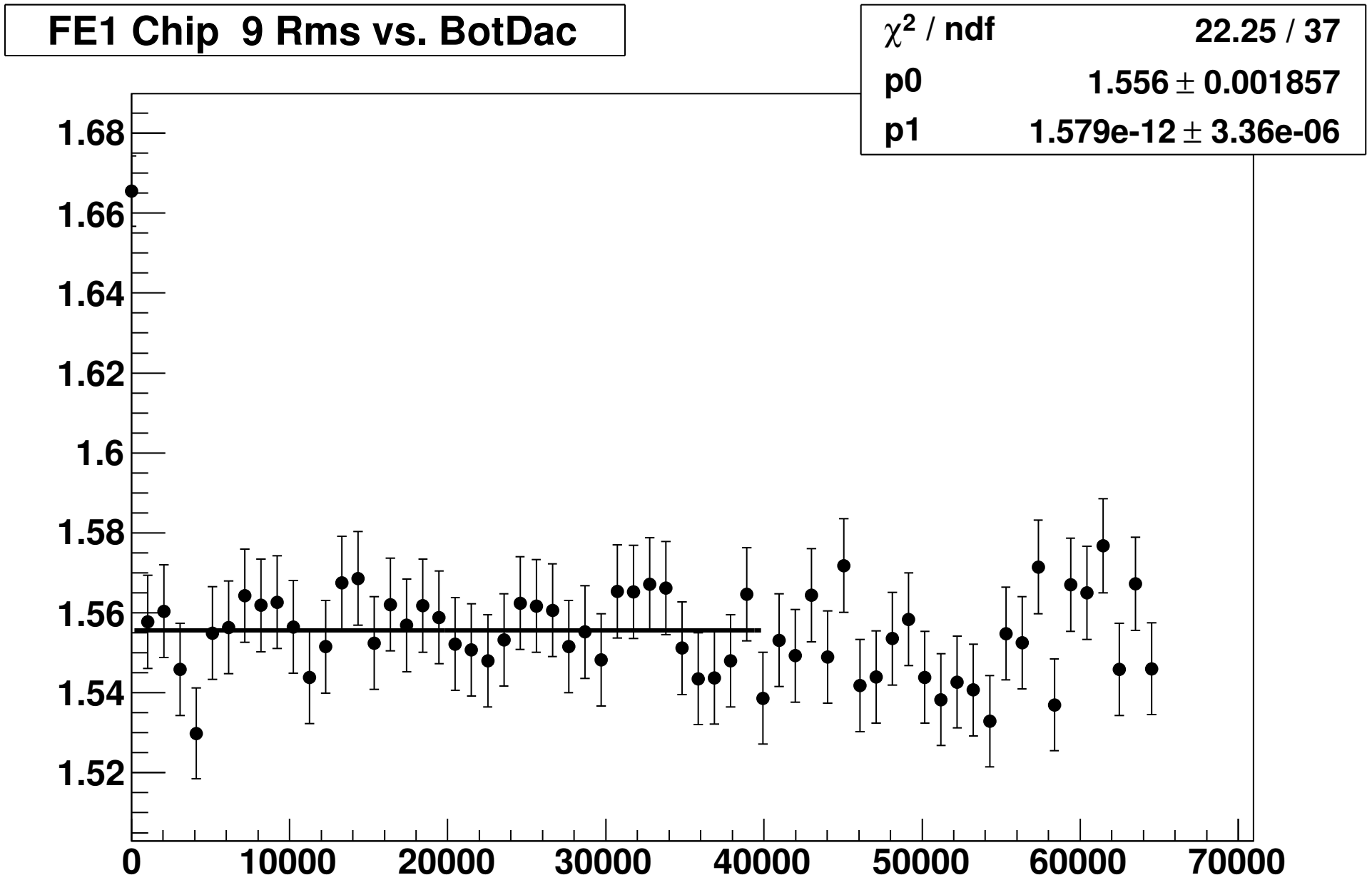
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 22.25 / 37
p0 1.556 ± 0.001857
p1 1.579e-12 ± 3.36e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
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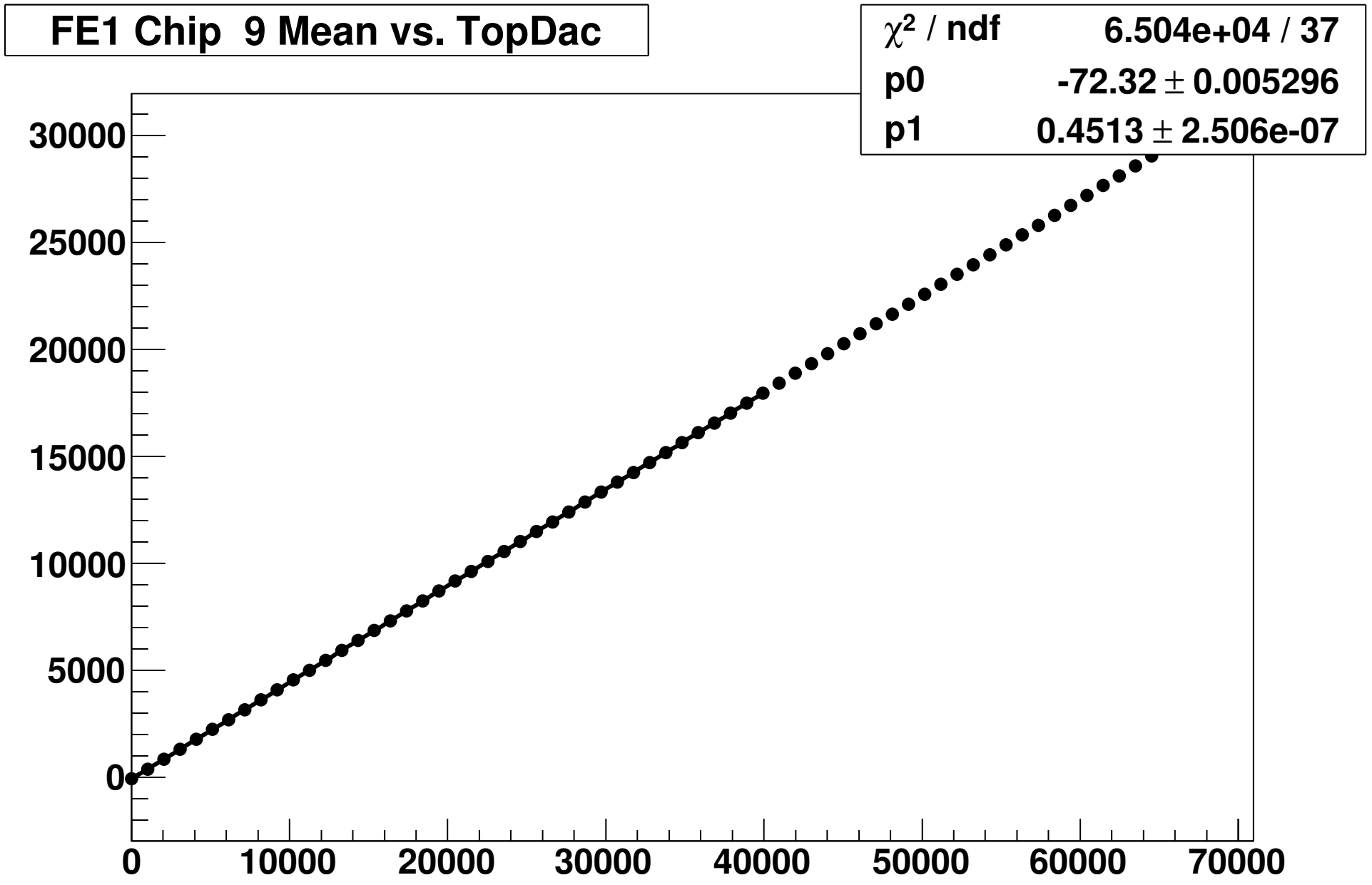
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 6.504e+04 / 37
p0 -72.32 ± 0.005296
p1 0.4513 ± 2.506e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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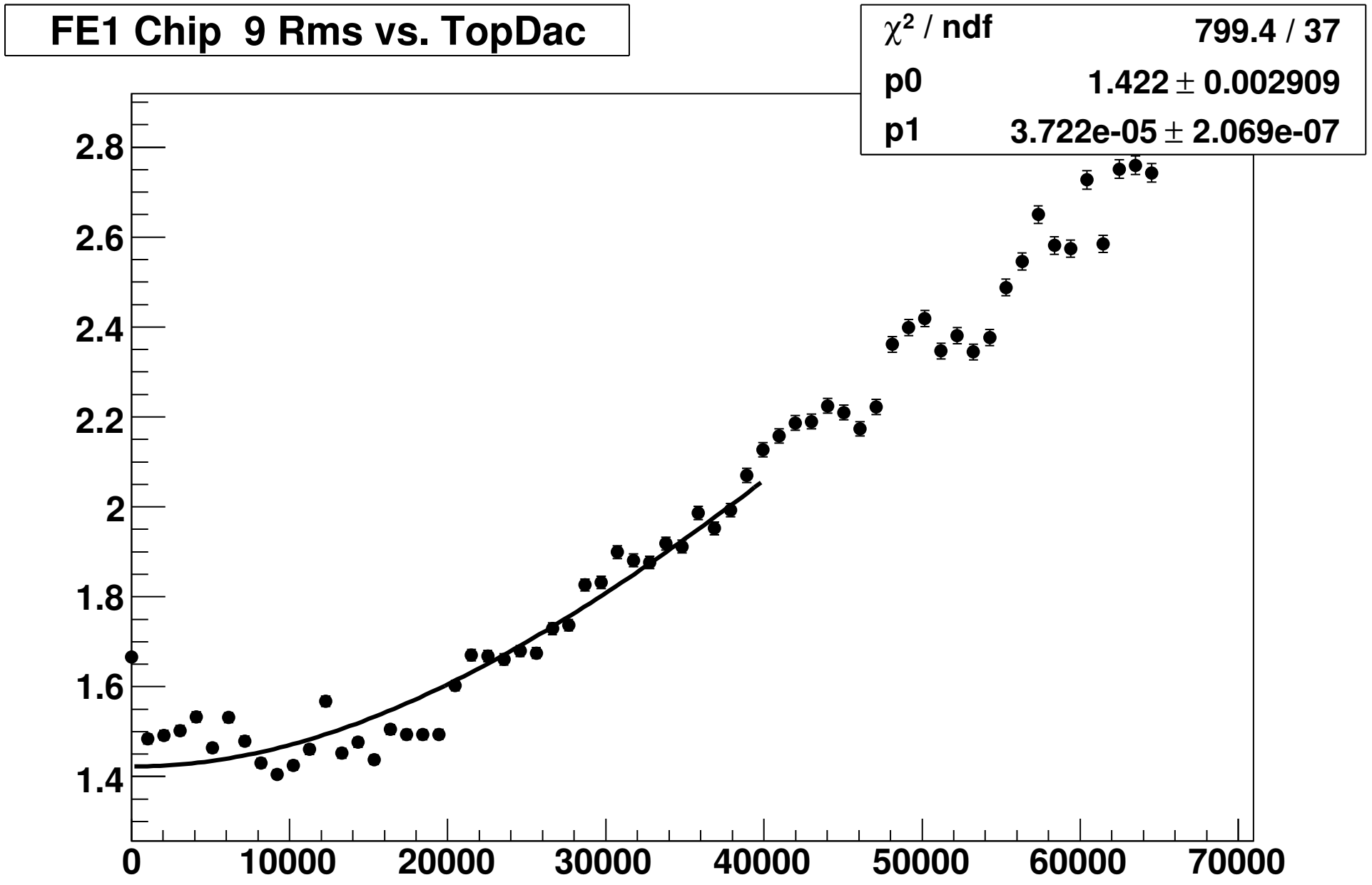
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 799.4 / 37
p0 1.422 ± 0.002909
p1 3.722e-05 ± 2.069e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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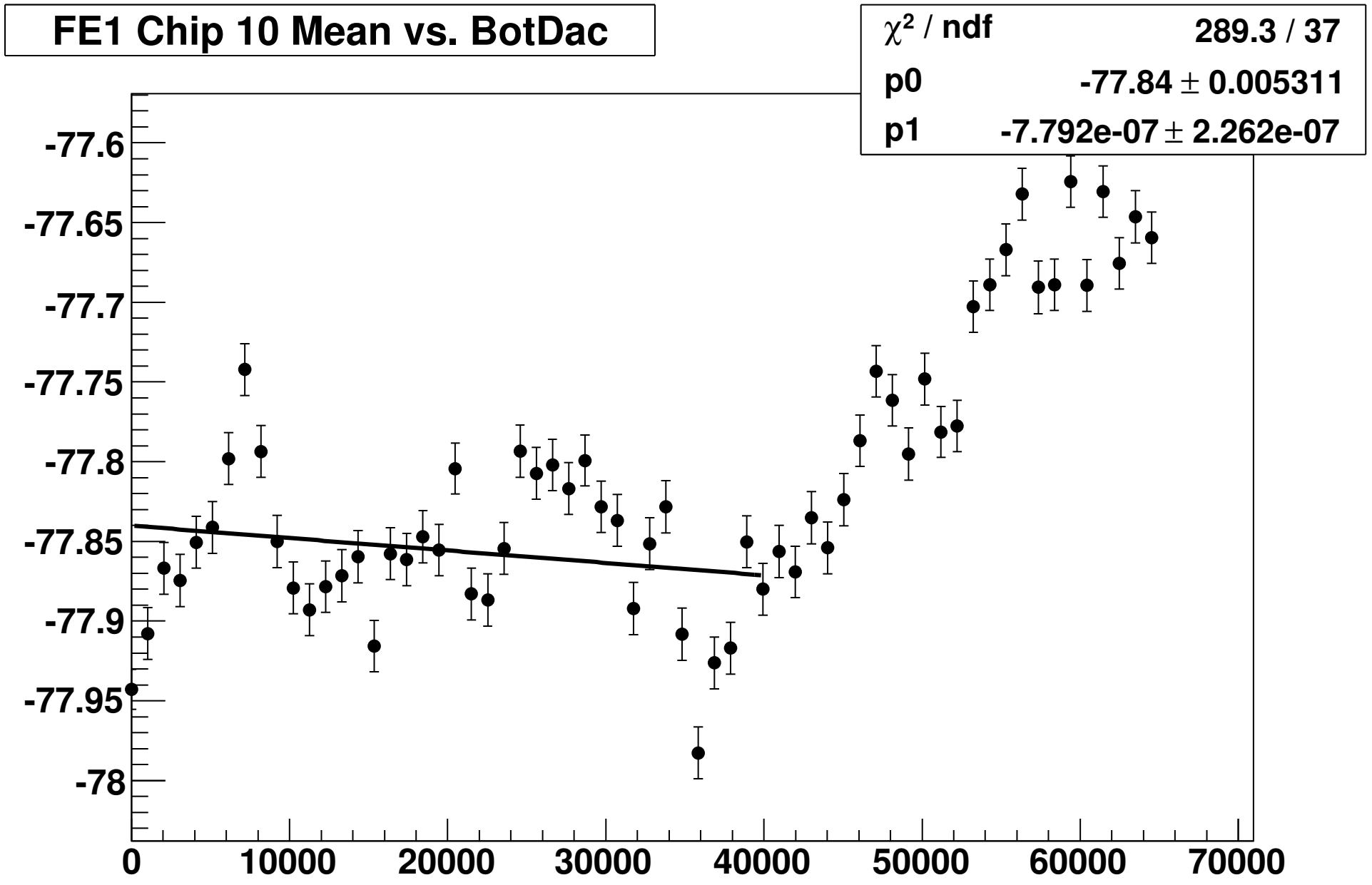
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 289.3 / 37
p0 -77.84 ± 0.005311
p1 -7.792e-07 ± 2.262e-07
-77.6
-77.65
-77.7
-77.75
-77.8
-77.85
-77.9
-77.95
-78
0
10000
20000
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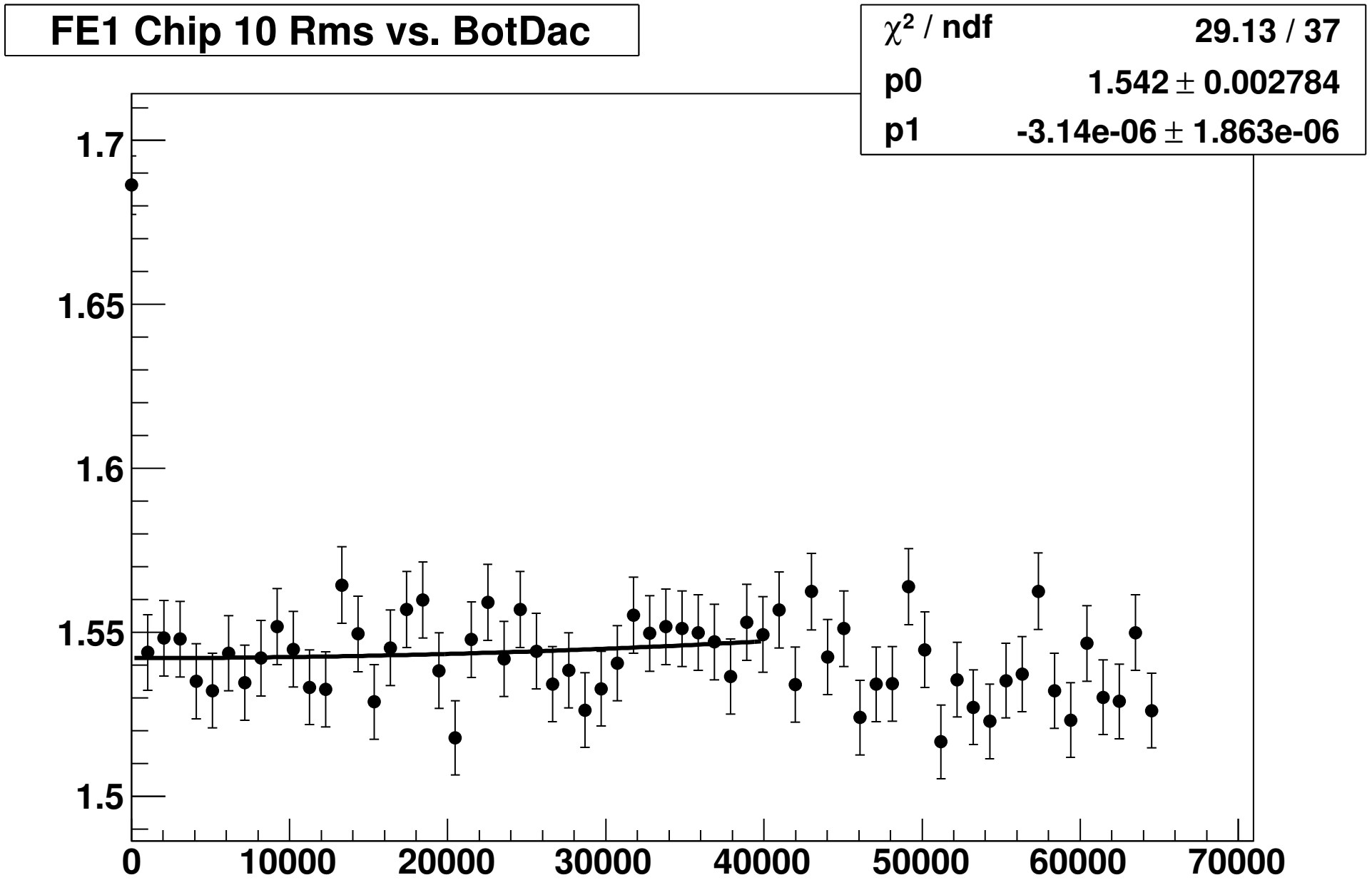
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 29.13 / 37
p0 1.542 ± 0.002784
p1 -3.14e-06 ± 1.863e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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60000
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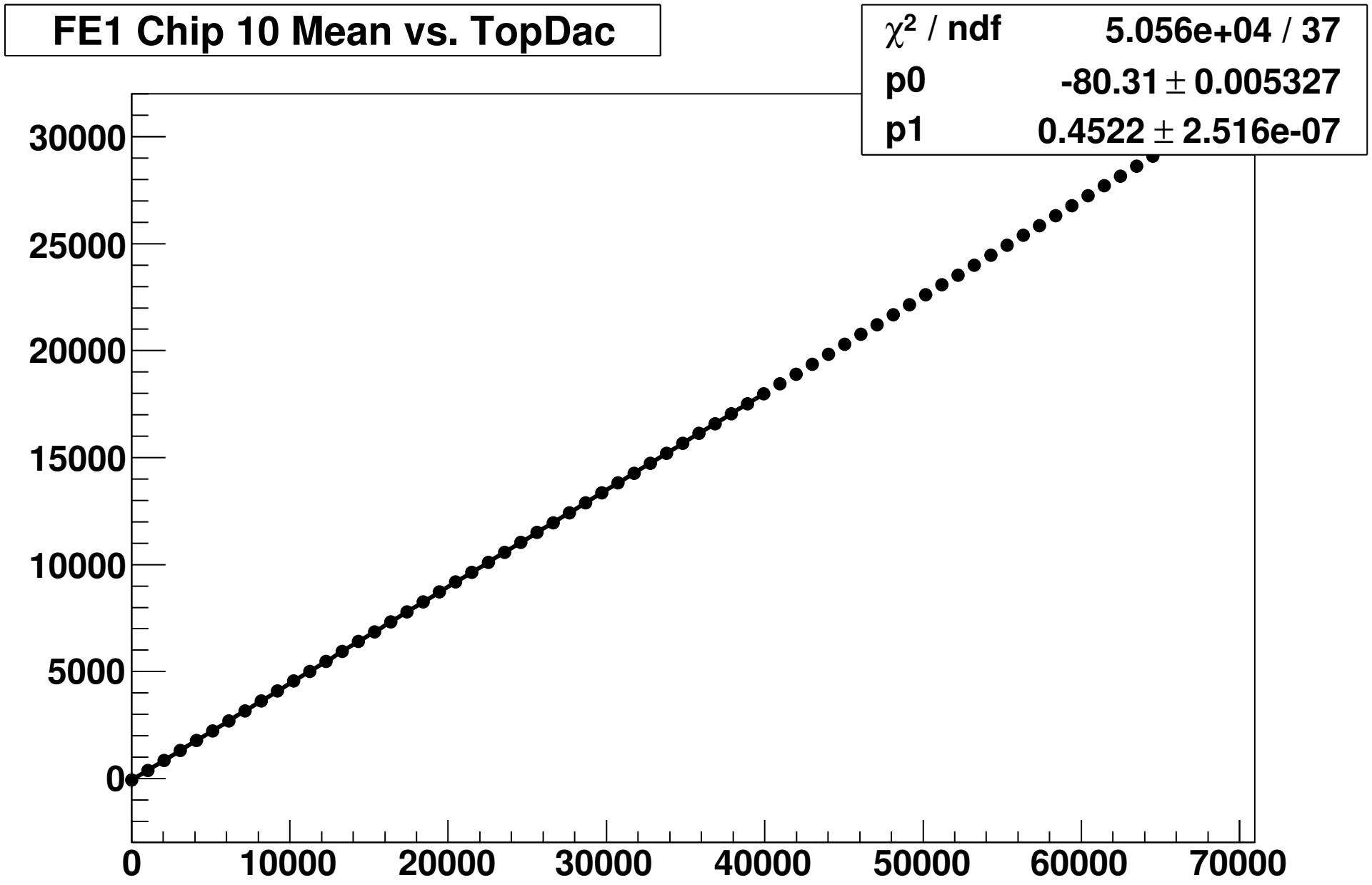
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 5.056e+04 / 37
p0 -80.31 ± 0.005327
p1 0.4522 ± 2.516e-07
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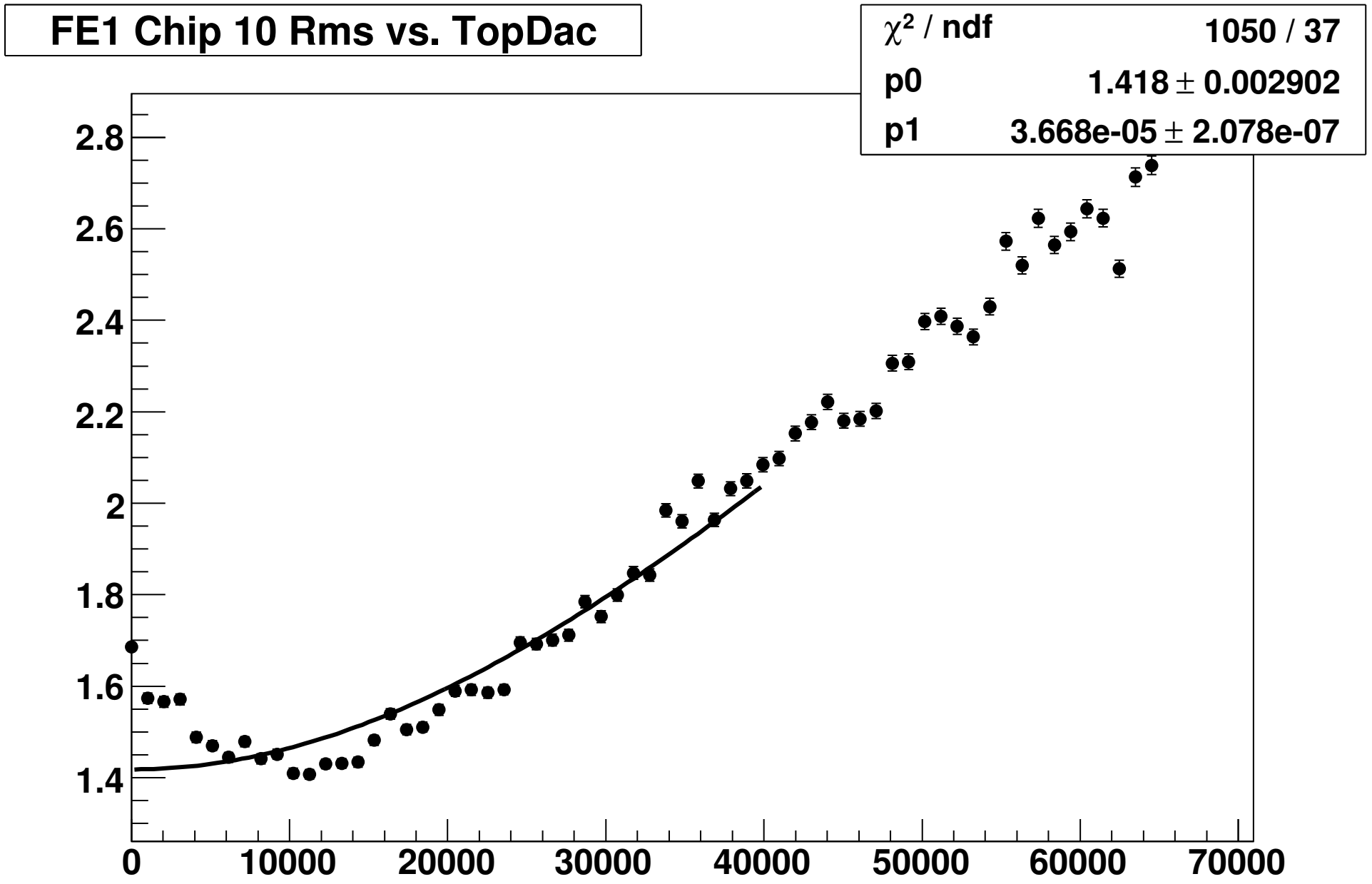
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1050 / 37
p0 1.418 ± 0.002902
p1 3.668e-05 ± 2.078e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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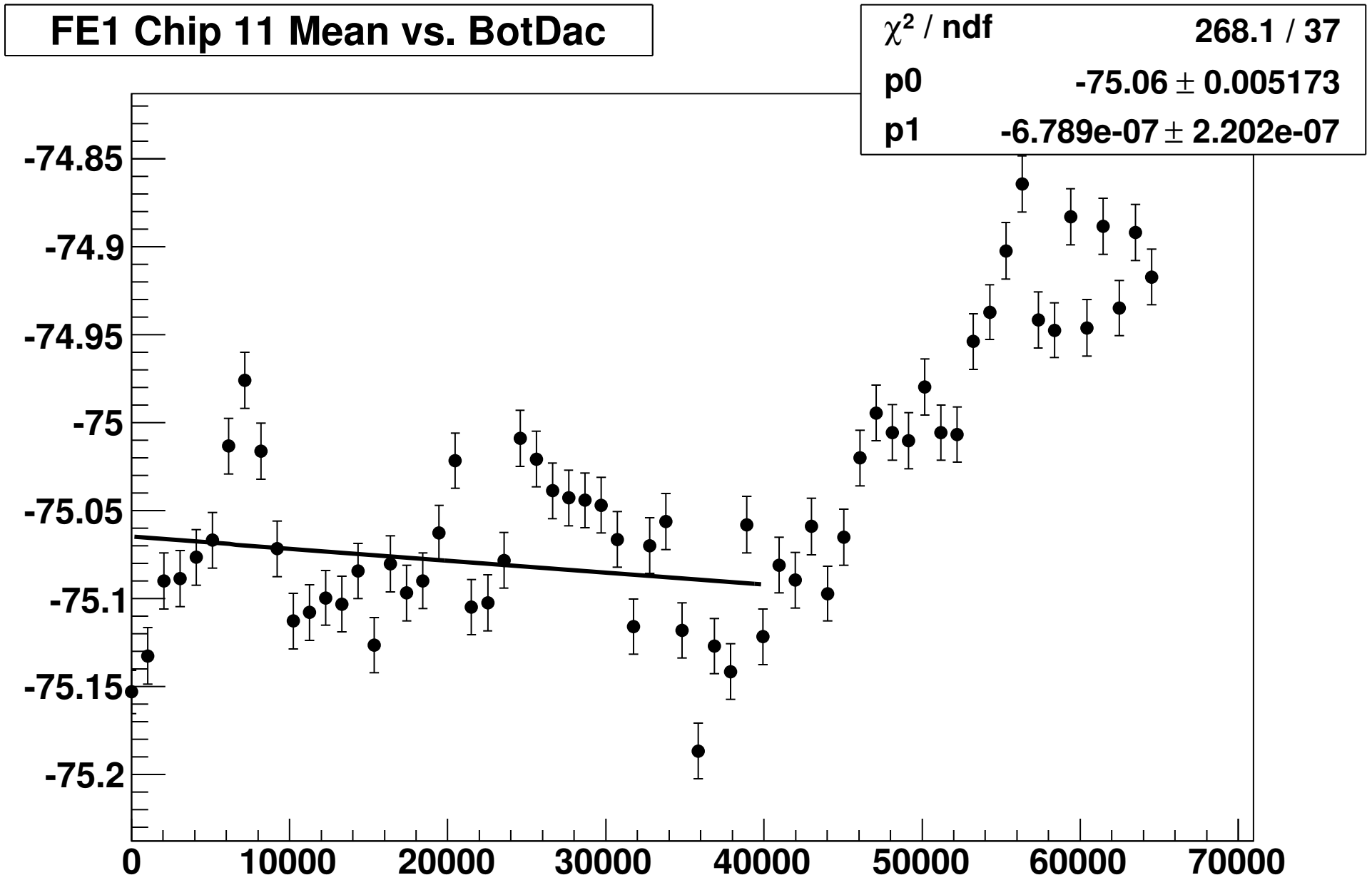
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 268.1 / 37
p0 -75.06 ± 0.005173
p1 -6.789e-07 ± 2.202e-07
-74.85
-74.9
-74.95
-75
-75.05
-75.1
-75.15
-75.2
0
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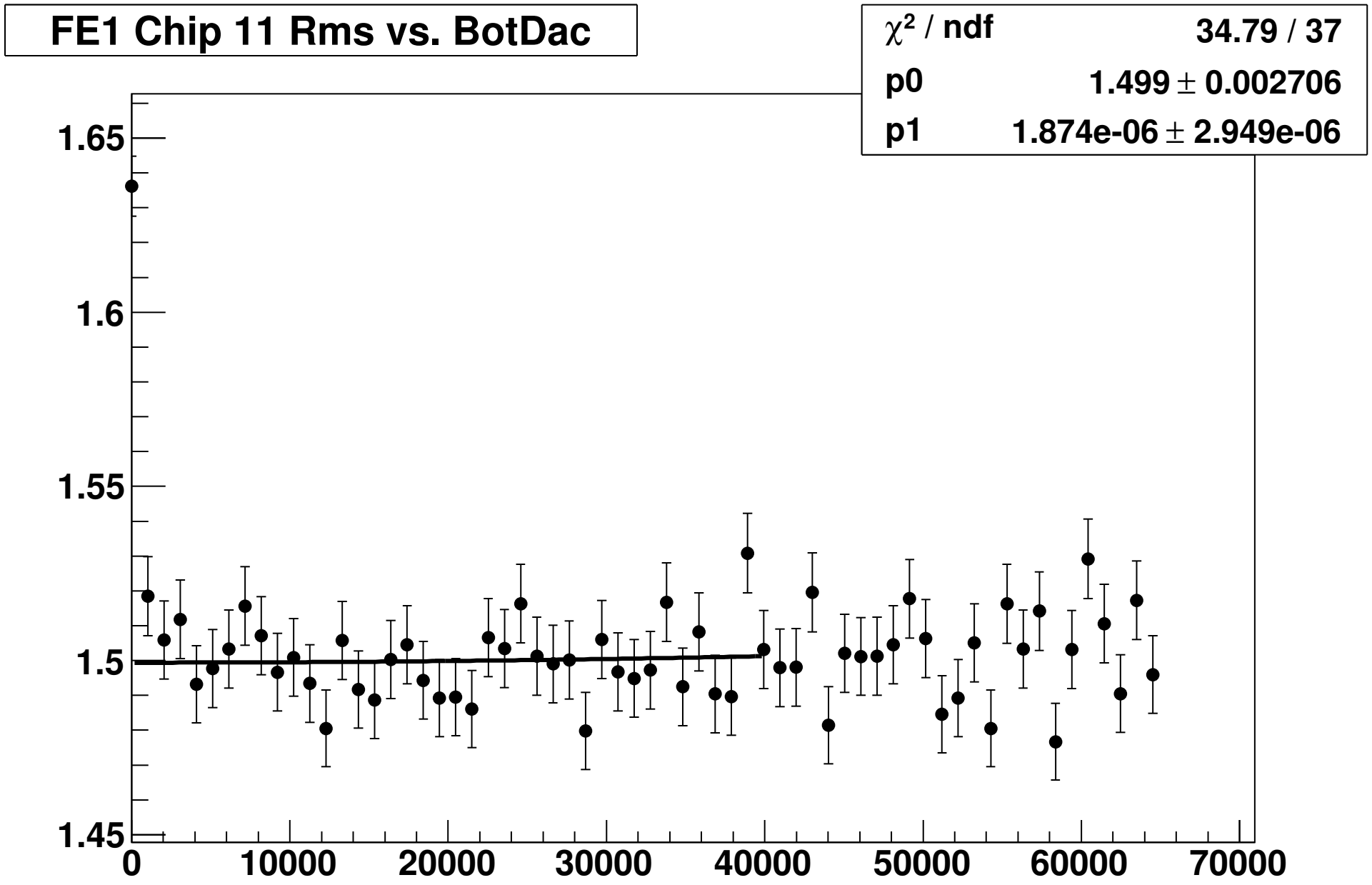
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 34.79 / 37
p0 1.499 ± 0.002706
p1 1.874e-06 ± 2.949e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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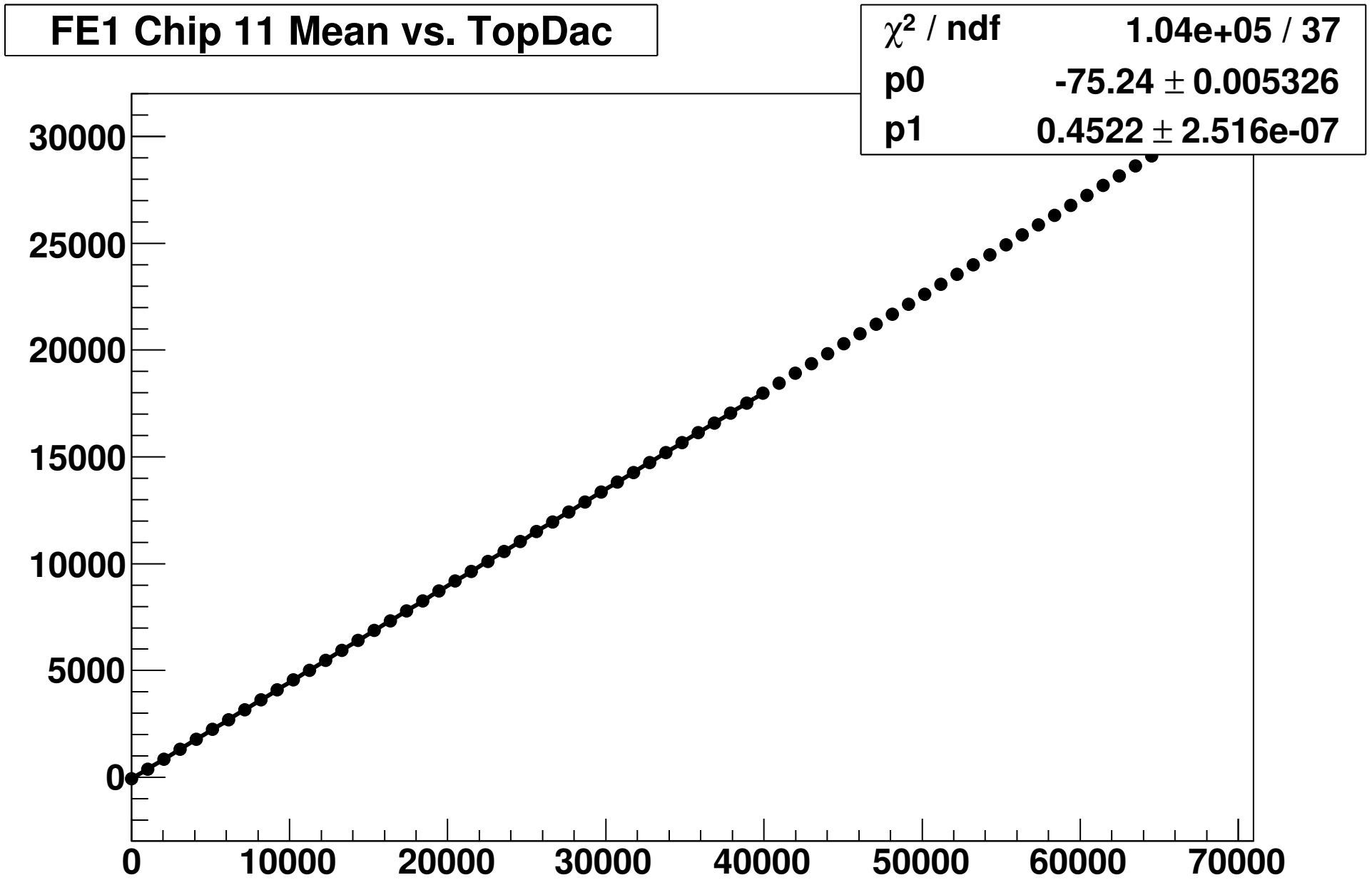
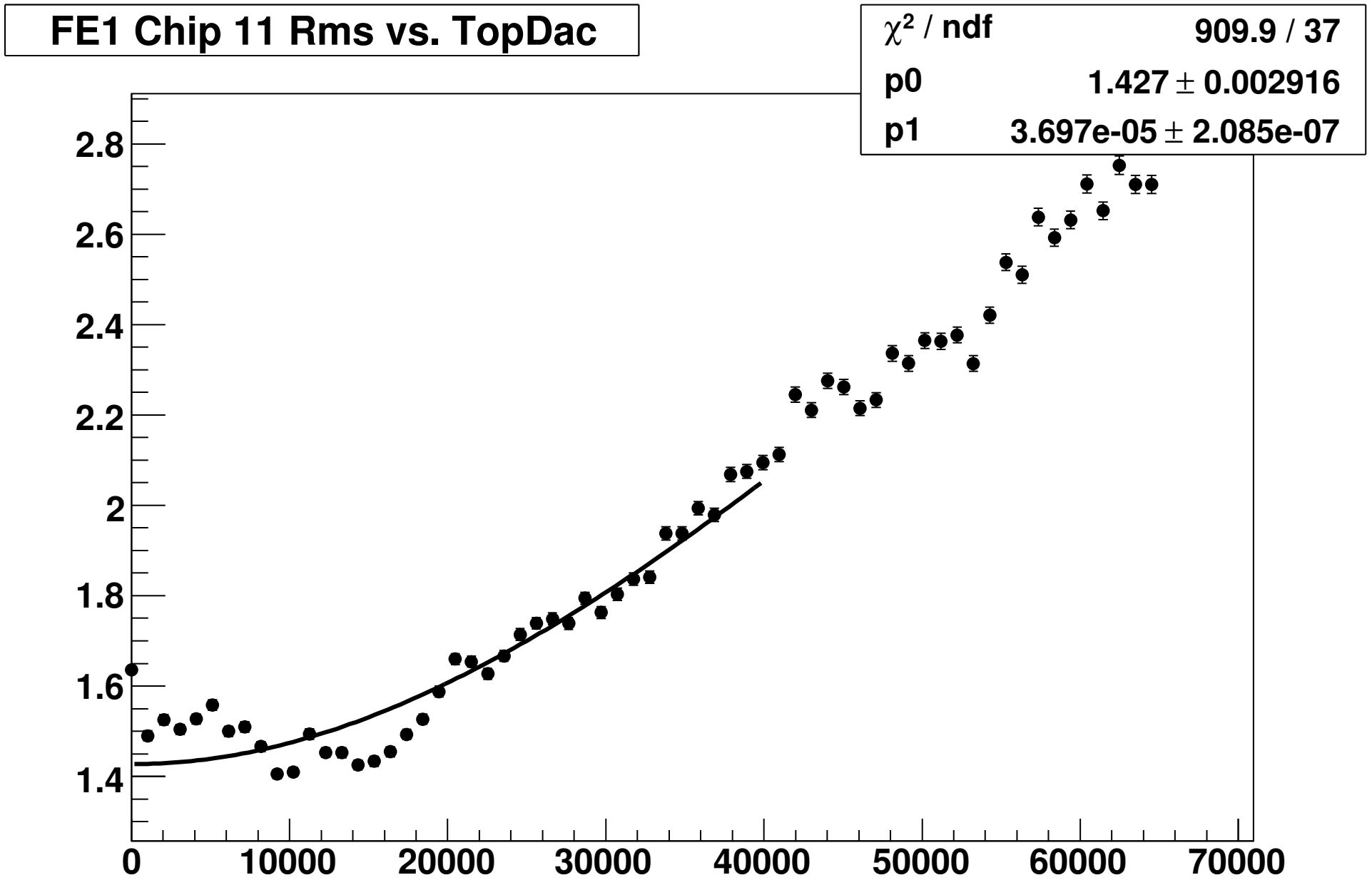

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.04e+05 / 37
p0 -75.24 ± 0.005326
p1 0.4522 ± 2.516e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 909.9 / 37
p0 1.427 ± 0.002916
p1 3.697e-05 ± 2.085e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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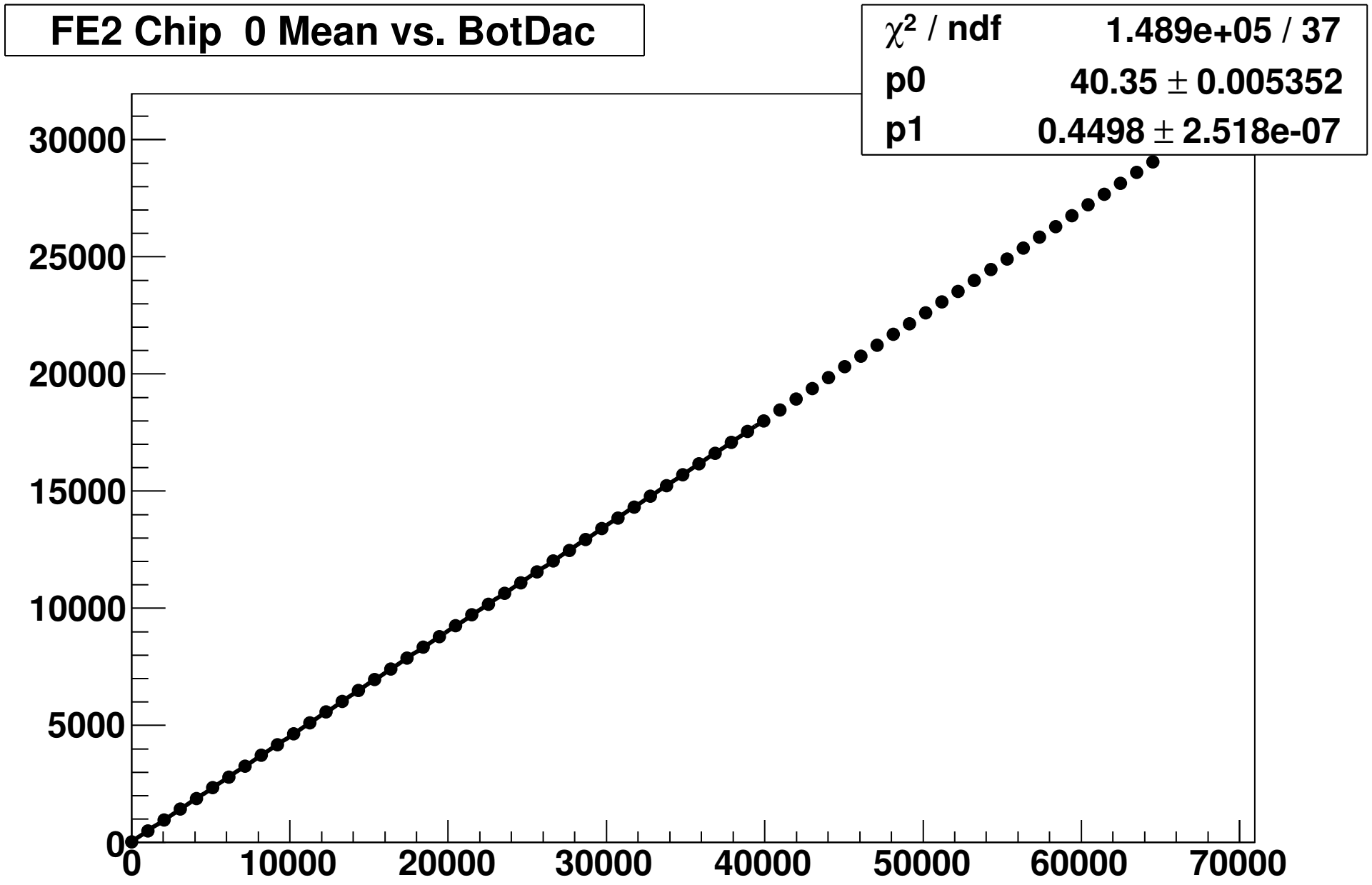
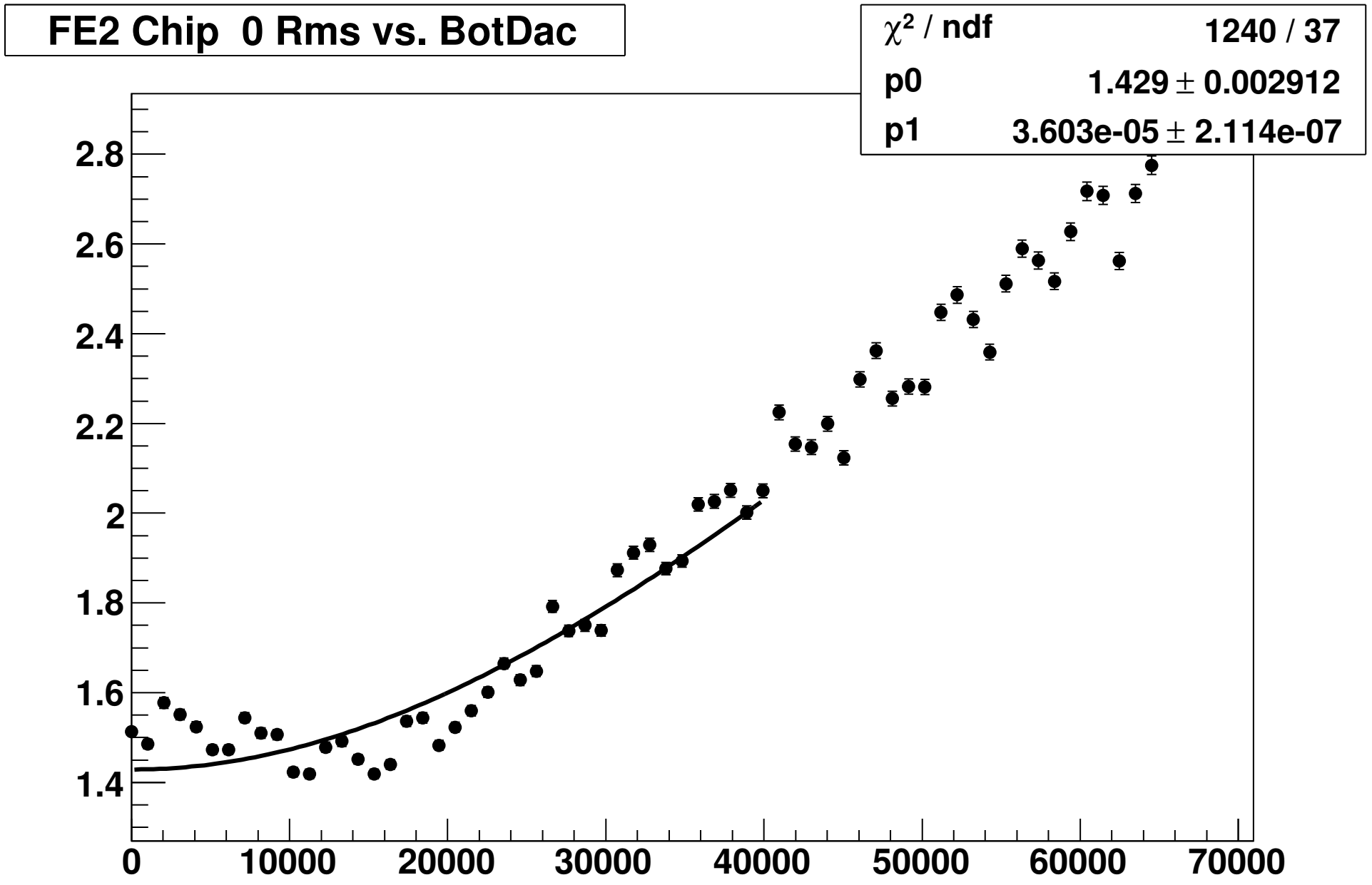

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.489e+05 / 37
p0 40.35 ± 0.005352
p1 0.4498 ± 2.518e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1240 / 37
p0 1.429 ± 0.002912
p1 3.603e-05 ± 2.114e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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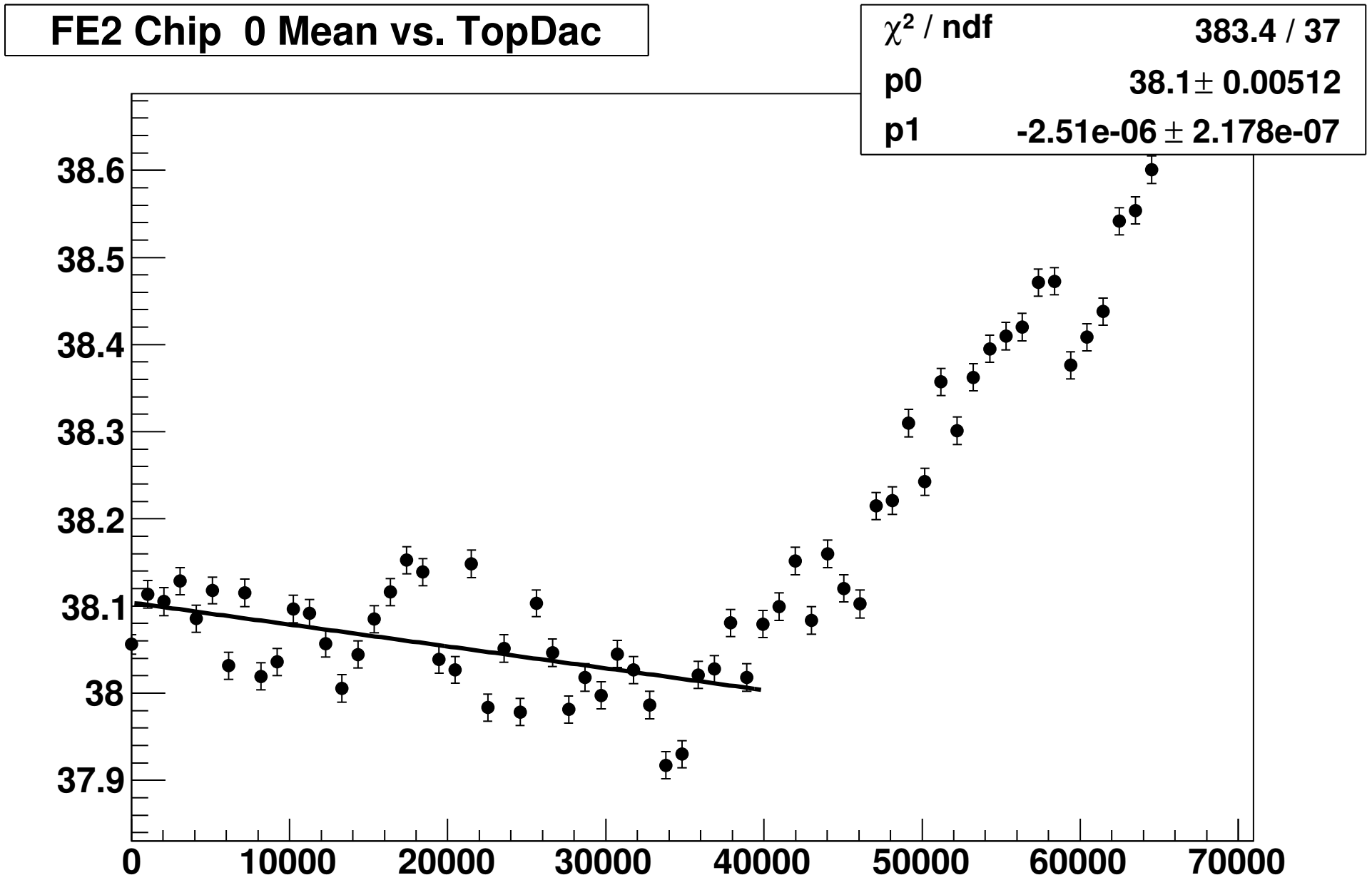
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 383.4 / 37
p0 38.1 ± 0.00512
p1 -2.51e-06 ± 2.178e-07
38.6
38.5
38.4
38.3
38.2
38.1
38
37.9
0
10000
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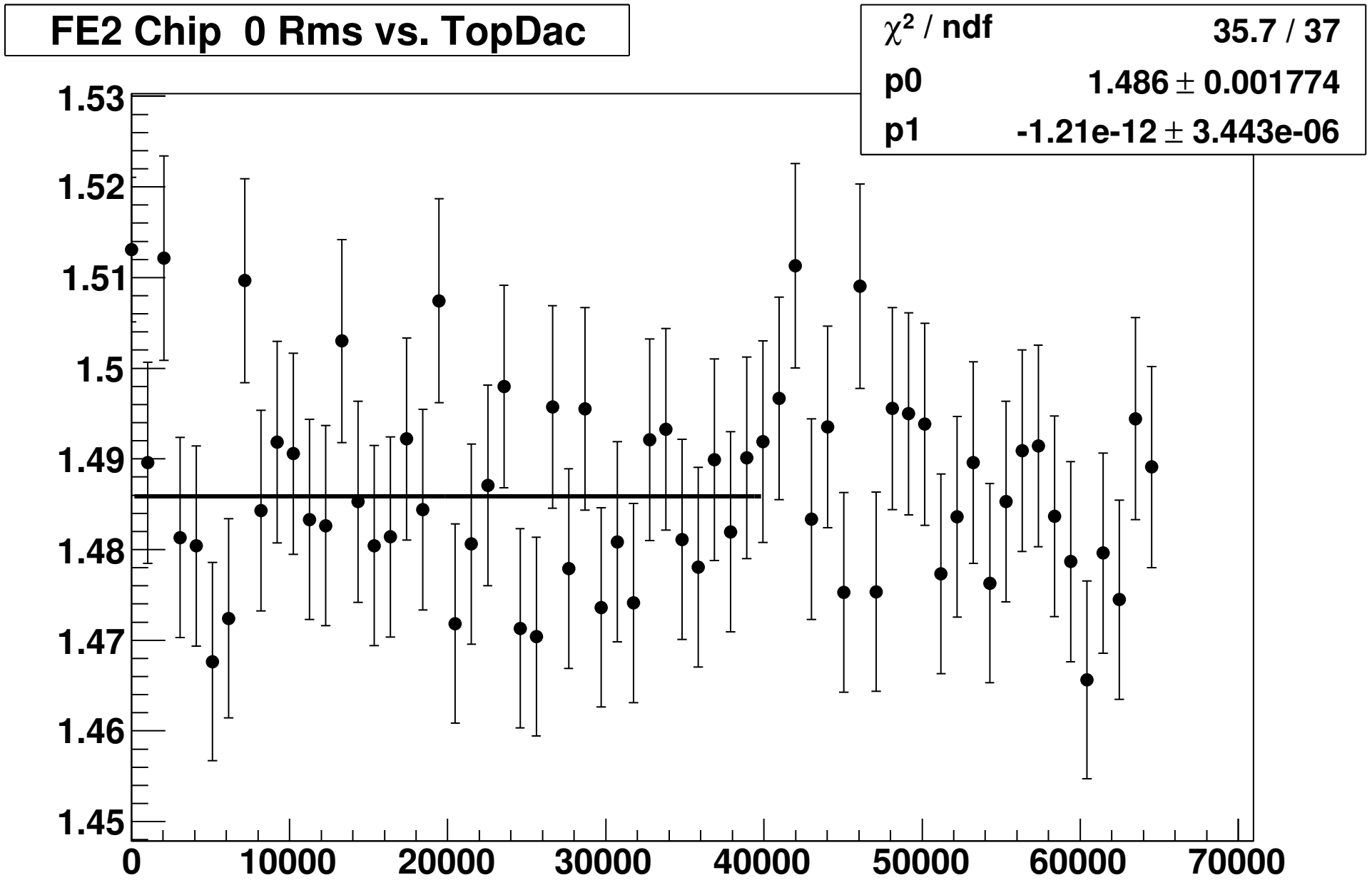
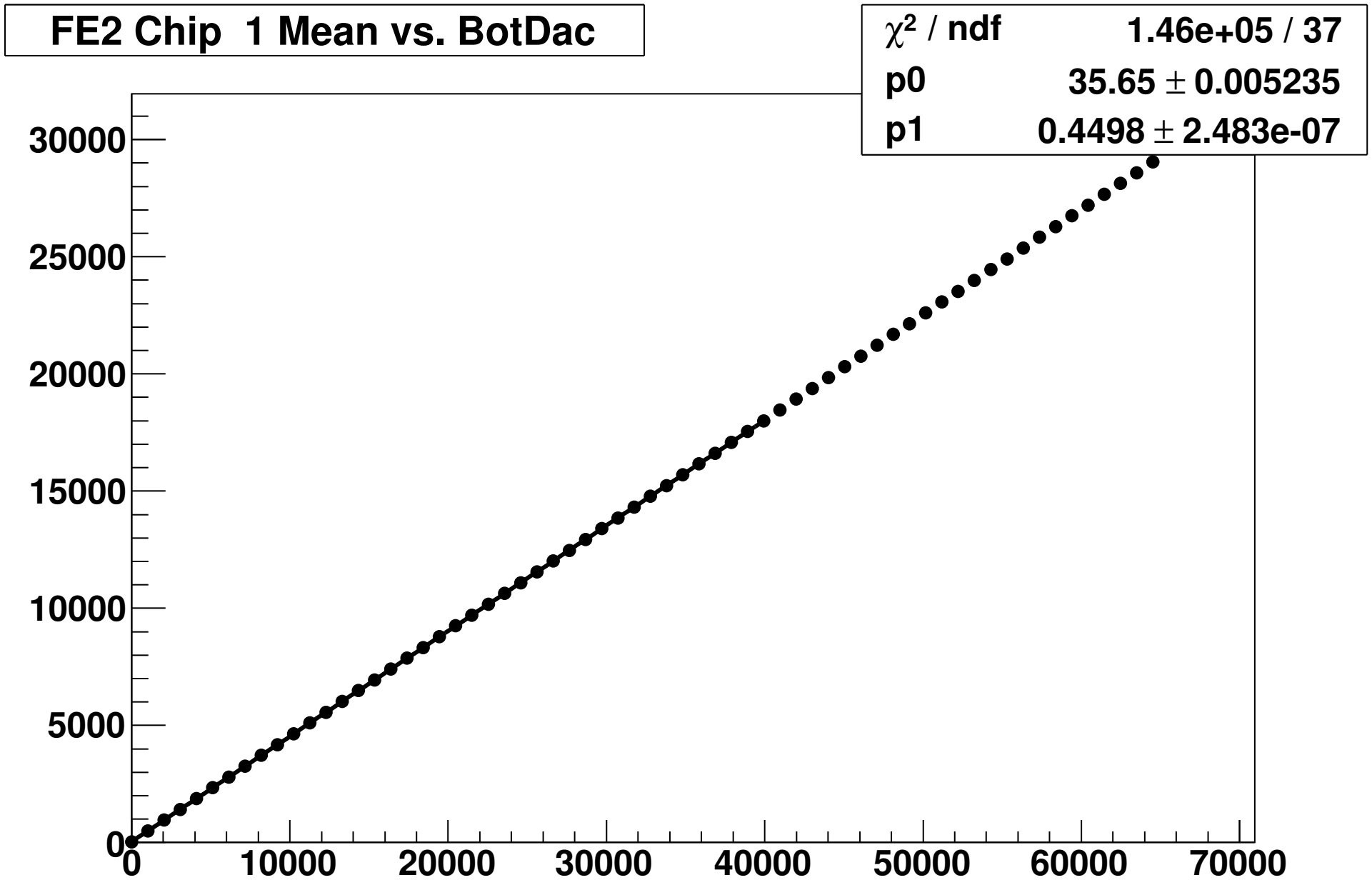
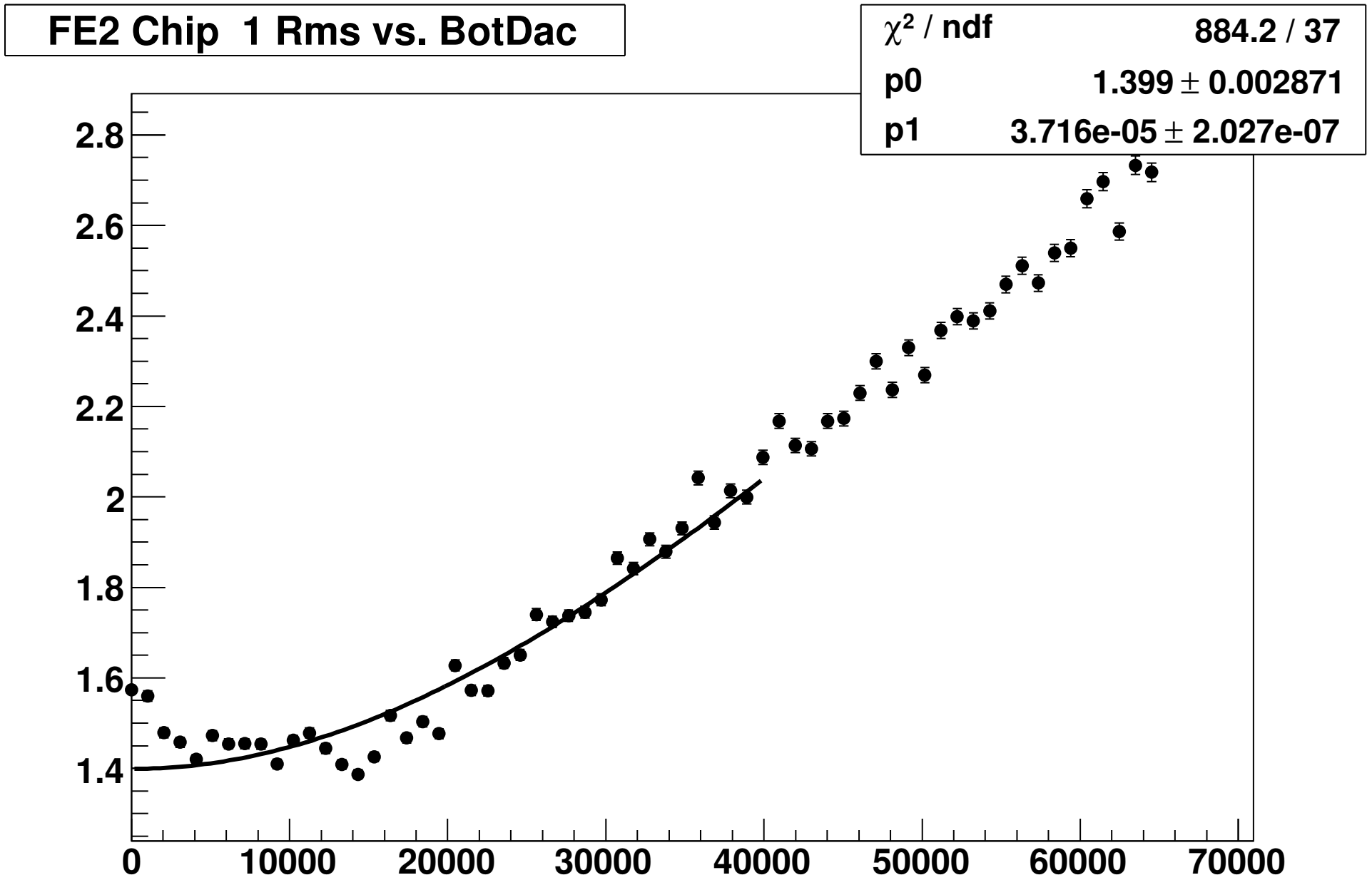
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 35.7 / 37
p0 1.486 ± 0.001774
p1 -1.21e-12 ± 3.443e-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


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.46e+05 / 37
p0 35.65 ± 0.005235
p1 0.4498 ± 2.483e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 884.2 / 37
p0 1.399 ± 0.002871
p1 3.716e-05 ± 2.027e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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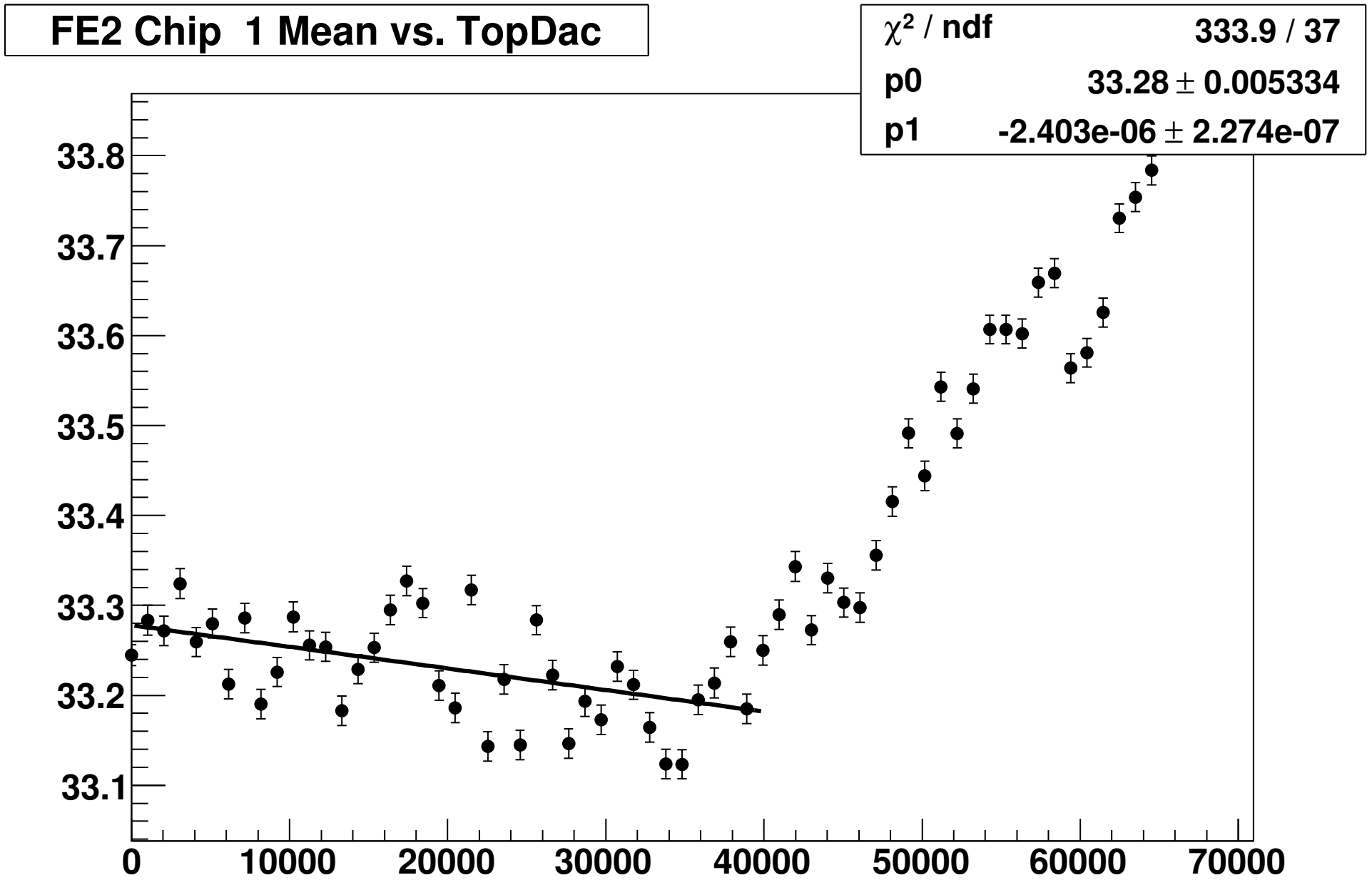
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 333.9 / 37
p0 33.28 ± 0.005334
p1 -2.403e-06 ± 2.274e-07
33.8
33.7
33.6
33.5
33.4
33.3
33.2
33.1
0
10000
20000
30000
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50000
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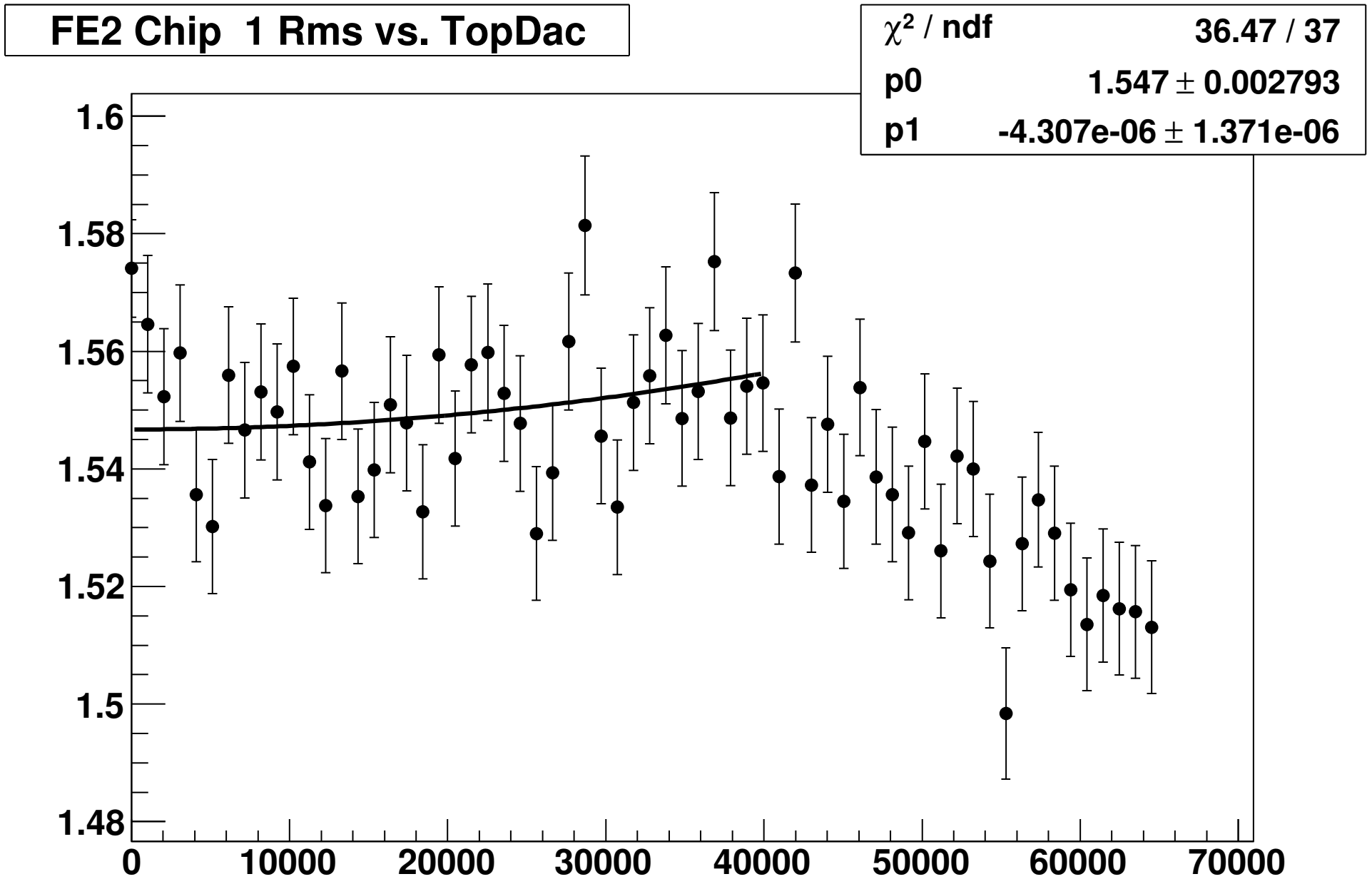
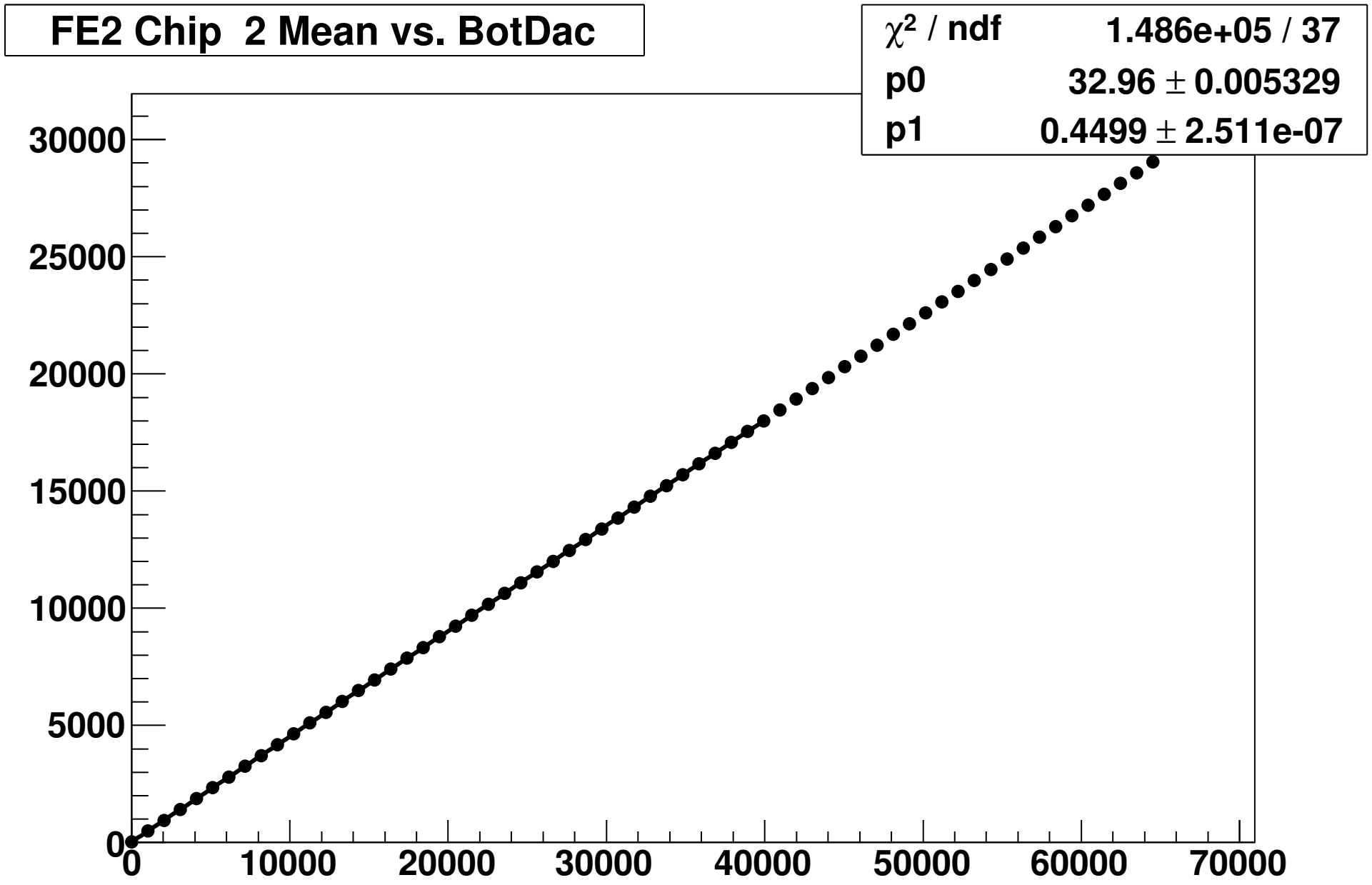
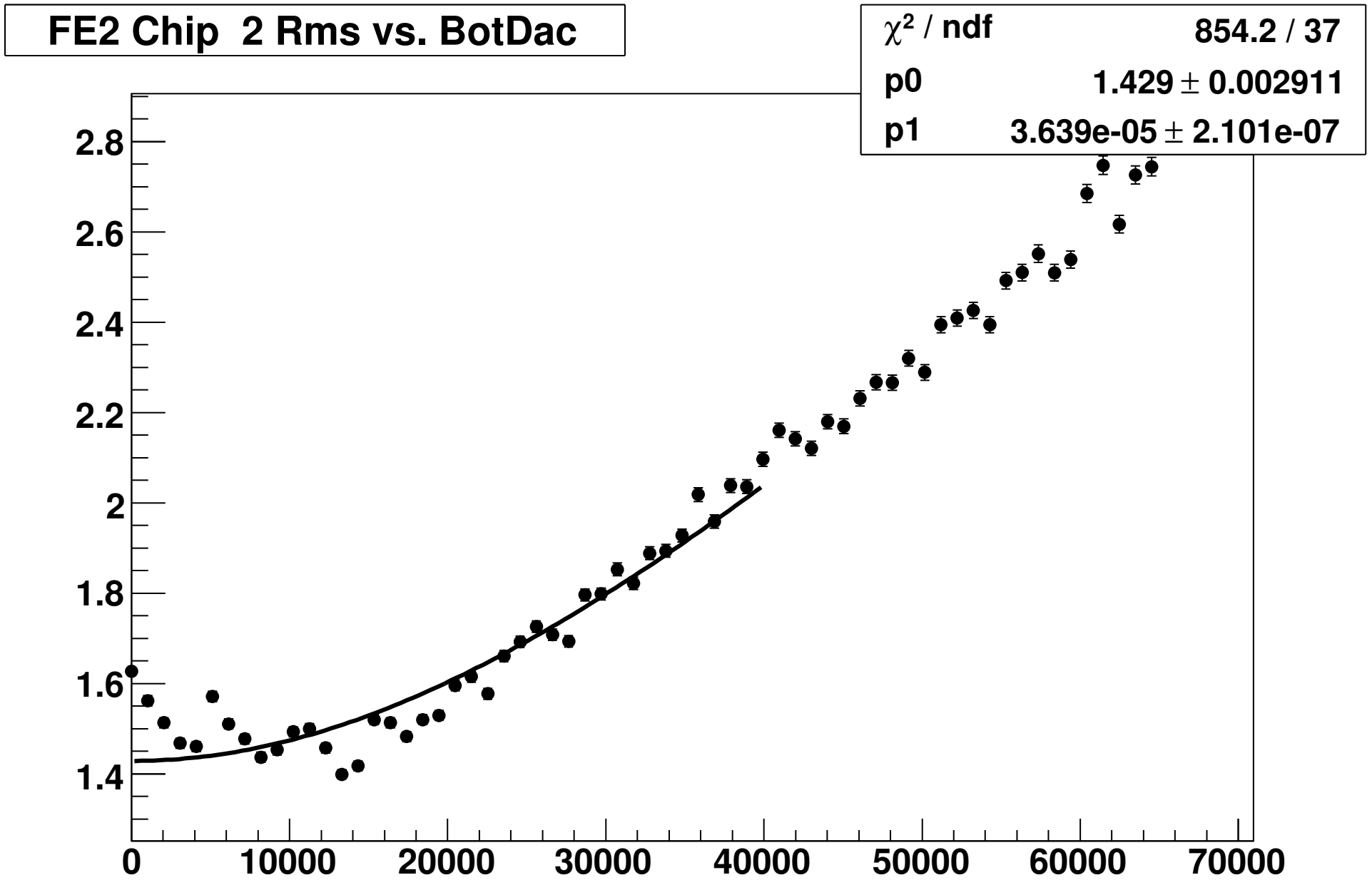

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 36.47 / 37
p0 1.547 ± 0.002793
p1 -4.307e-06 ± 1.371e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.486e+05 / 37
p0 32.96 ± 0.005329
p1 0.4499 ± 2.511e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 854.2 / 37
p0 1.429 ± 0.002911
p1 3.639e-05 ± 2.101e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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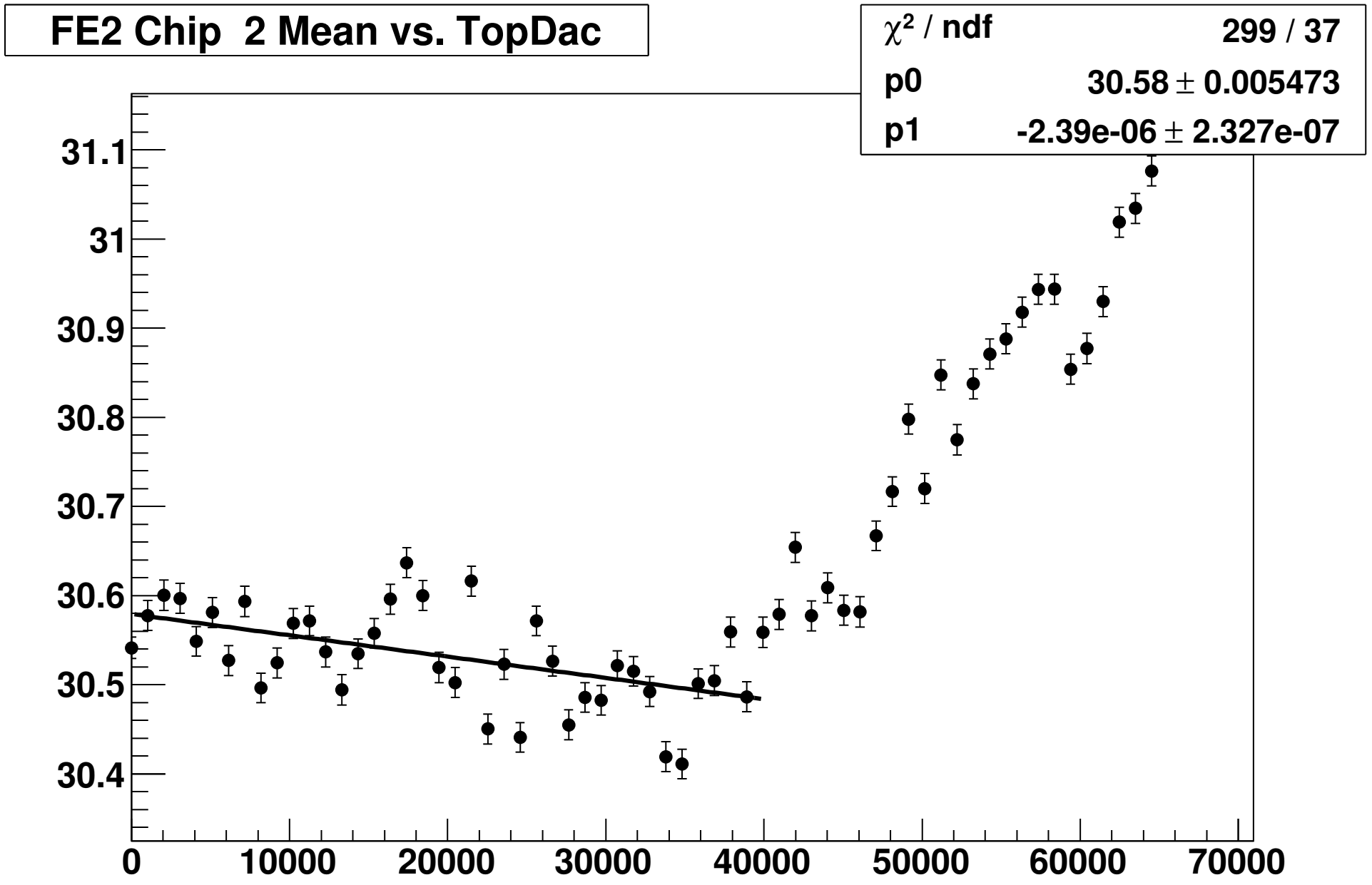
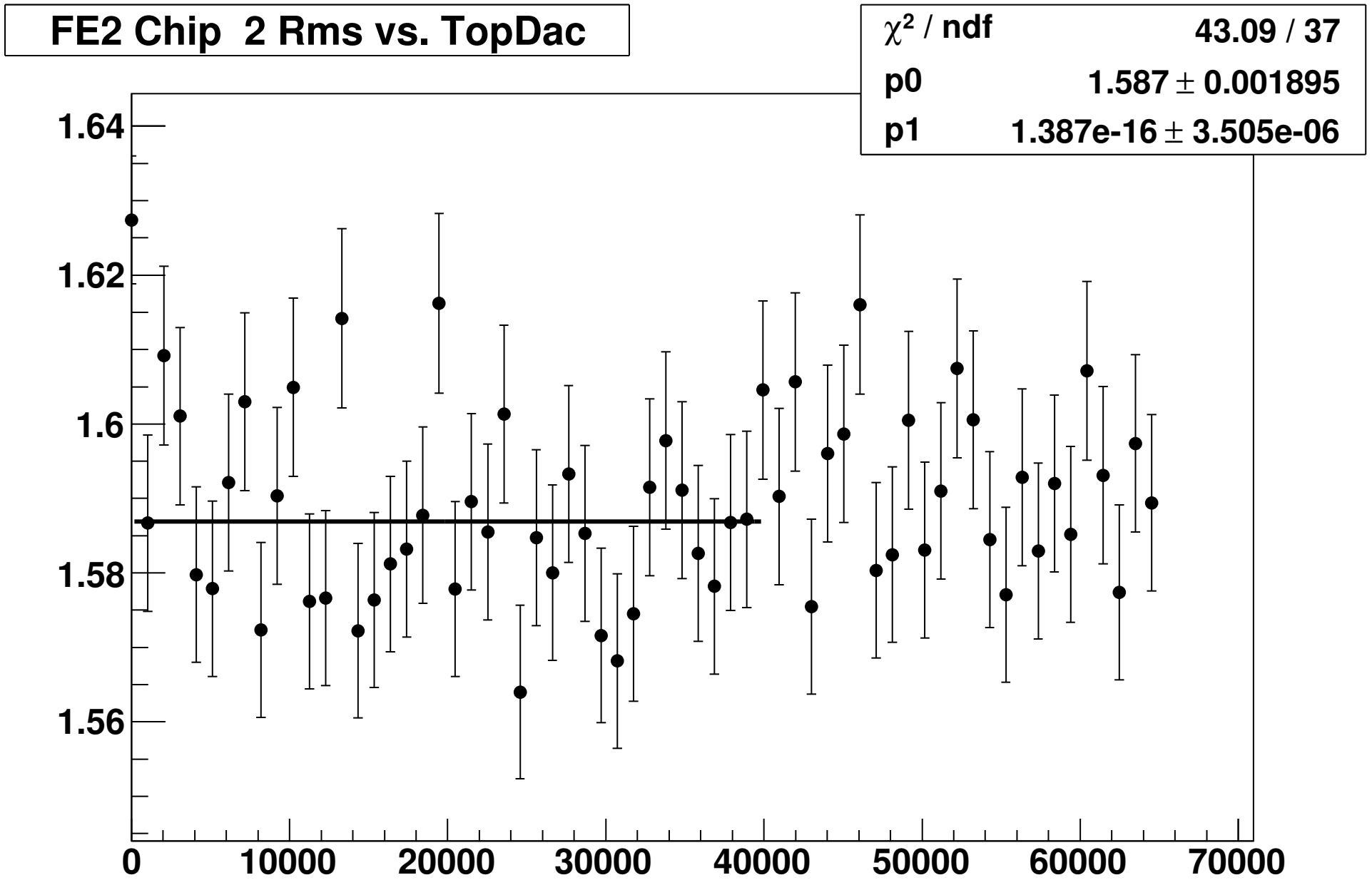
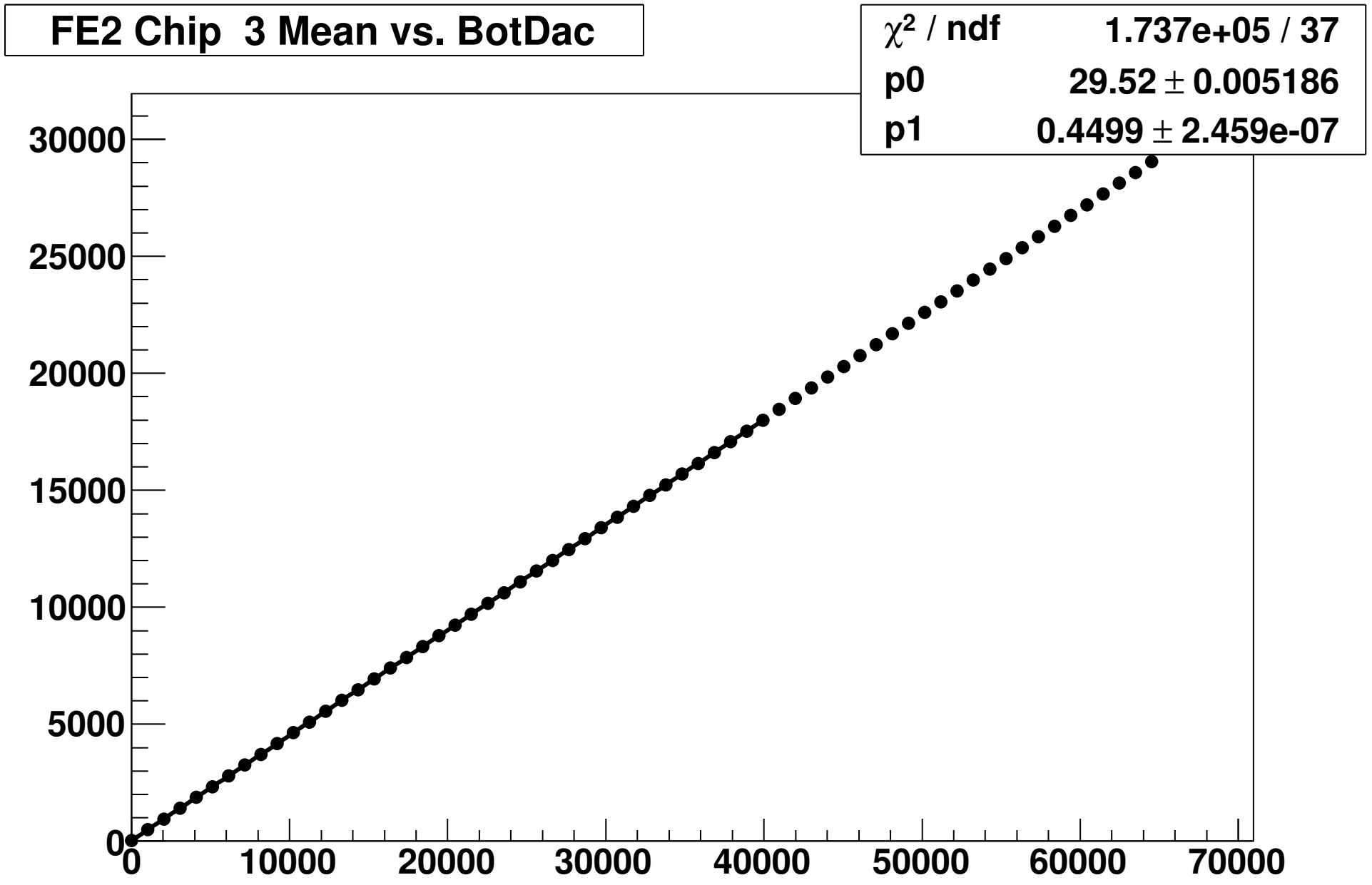
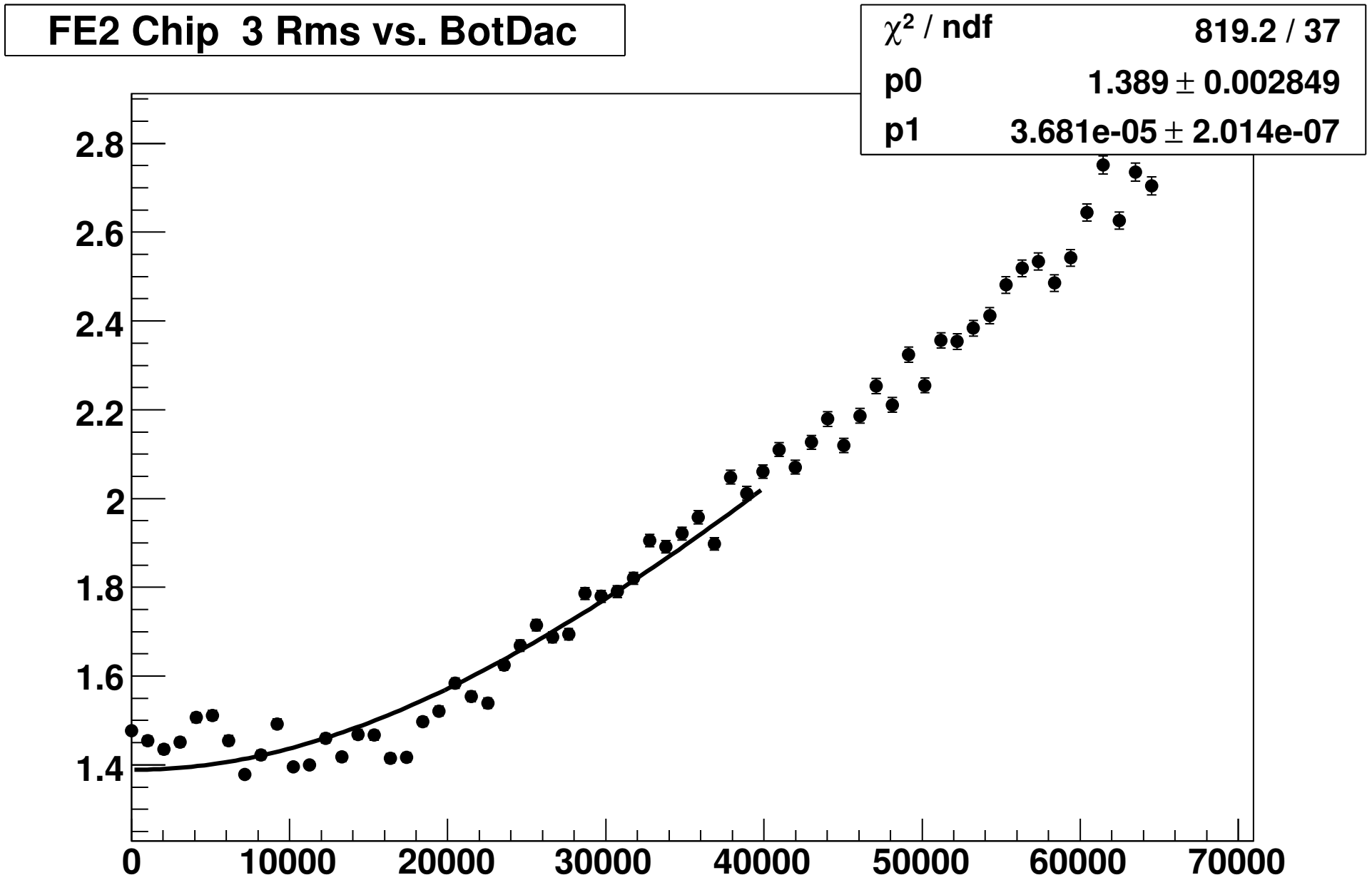

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 299 / 37
p0 30.58 ± 0.005473
p1 -2.39e-06 ± 2.327e-07
31.1
31
30.9
30.8
30.7
30.6
30.5
30.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 43.09 / 37
p0 1.587 ± 0.001895
p1 1.387e-16 ± 3.505e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.737e+05 / 37
p0 29.52 ± 0.005186
p1 0.4499 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 819.2 / 37
p0 1.389 ± 0.002849
p1 3.681e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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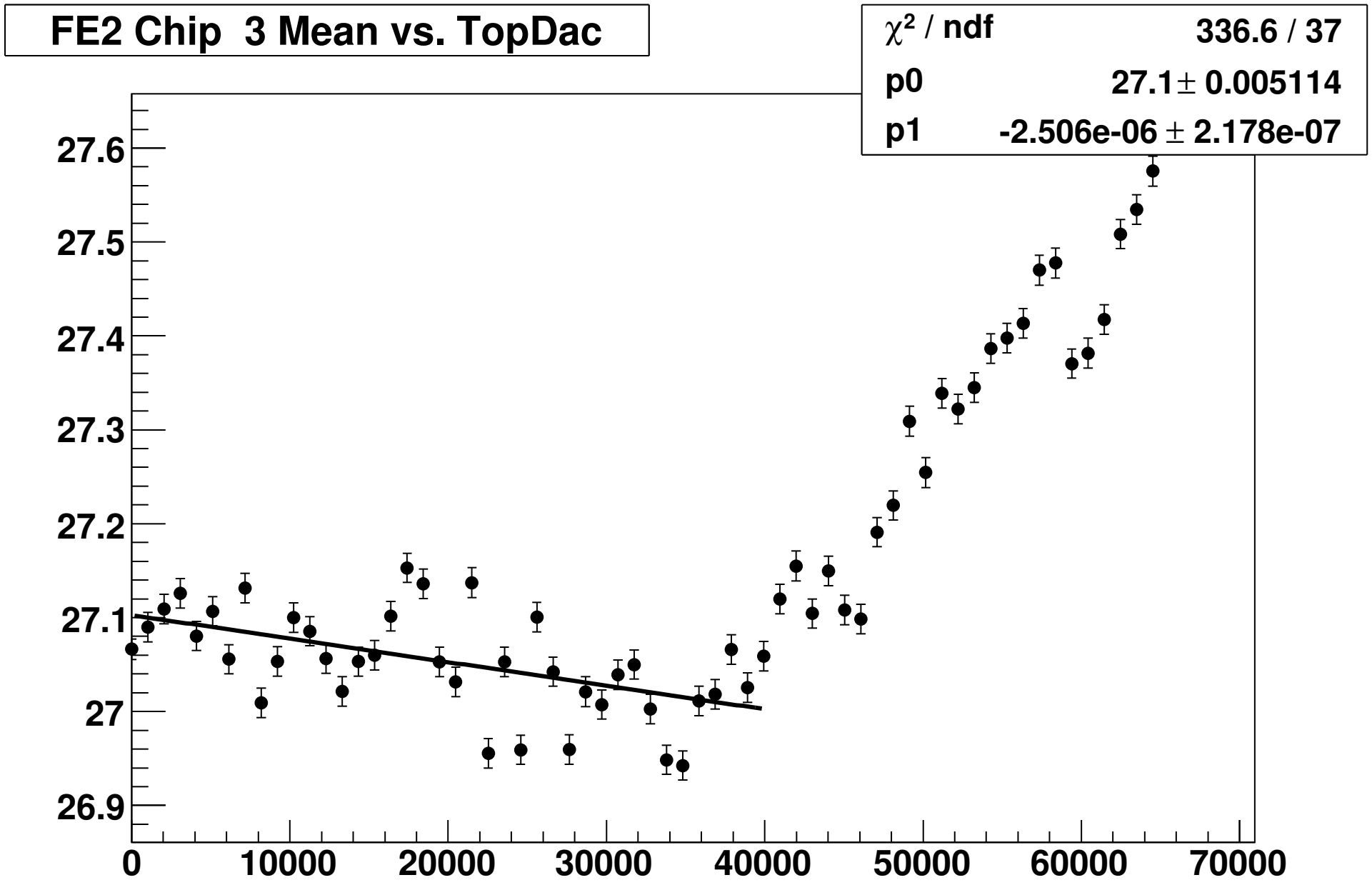
FE2 Chip 3 Mean vs. TopDac
χ² / ndf 336.6 / 37
p0 27.1 ± 0.005114
p1 -2.506e-06 ± 2.178e-07
27.6
27.5
27.4
27.3
27.2
27.1
27
26.9
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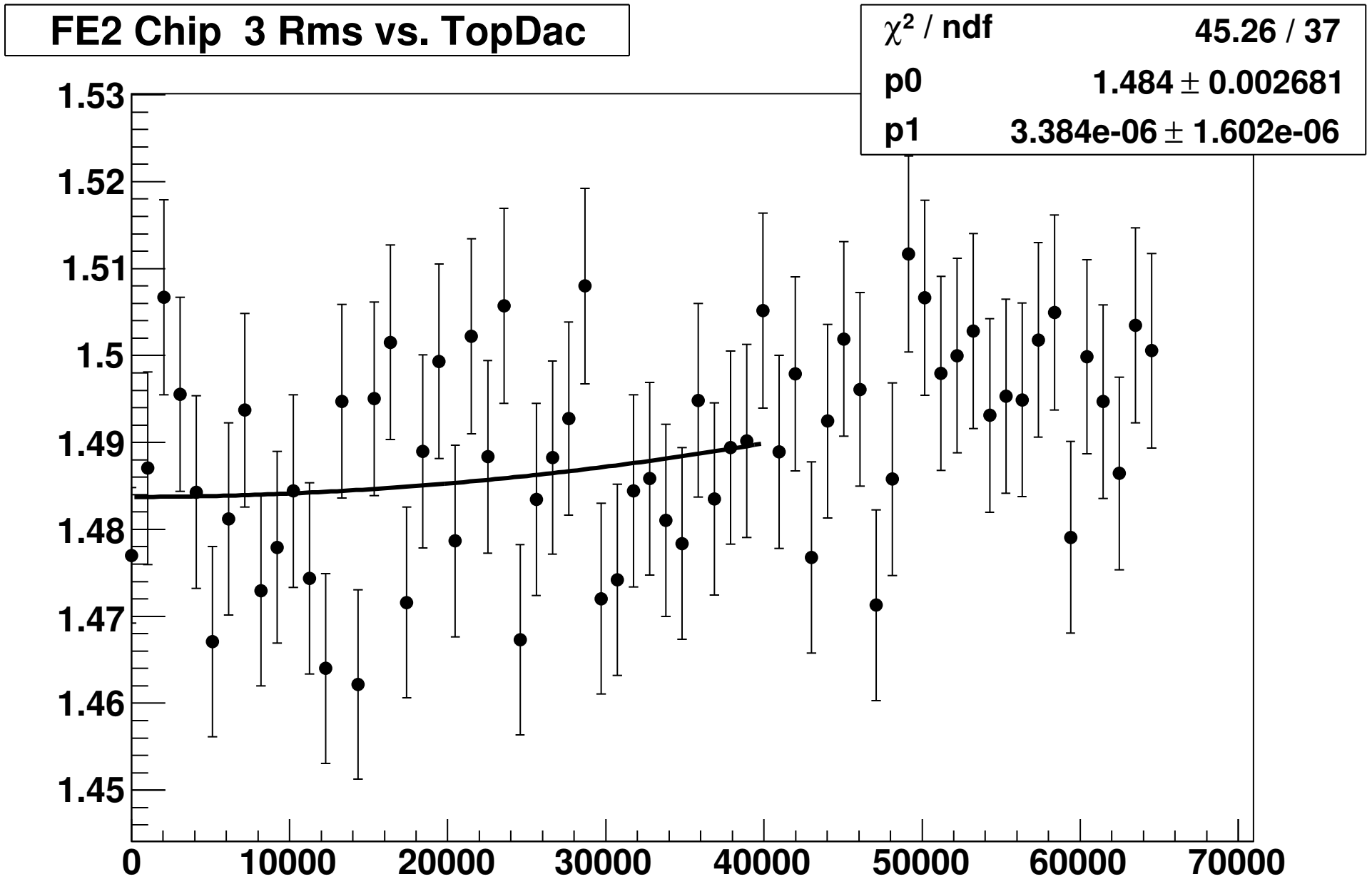
FE2 Chip 3 Rms vs. TopDac
χ² / ndf 45.26 / 37
p0 1.484 ± 0.002681
p1 3.384e-06 ± 1.602e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
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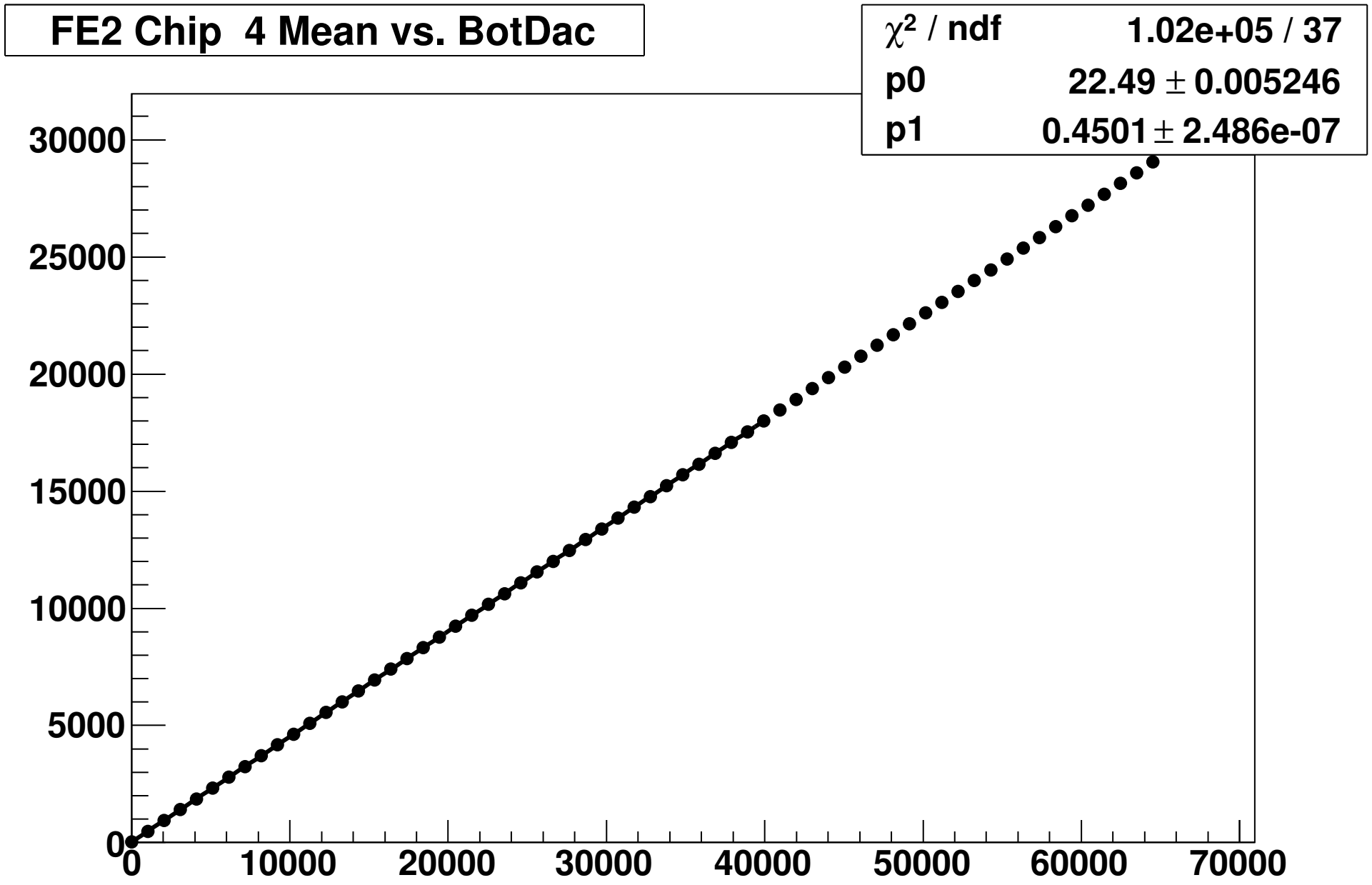
FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.02e+05 / 37
p0 22.49 ± 0.005246
p1 0.4501 ± 2.486e-07
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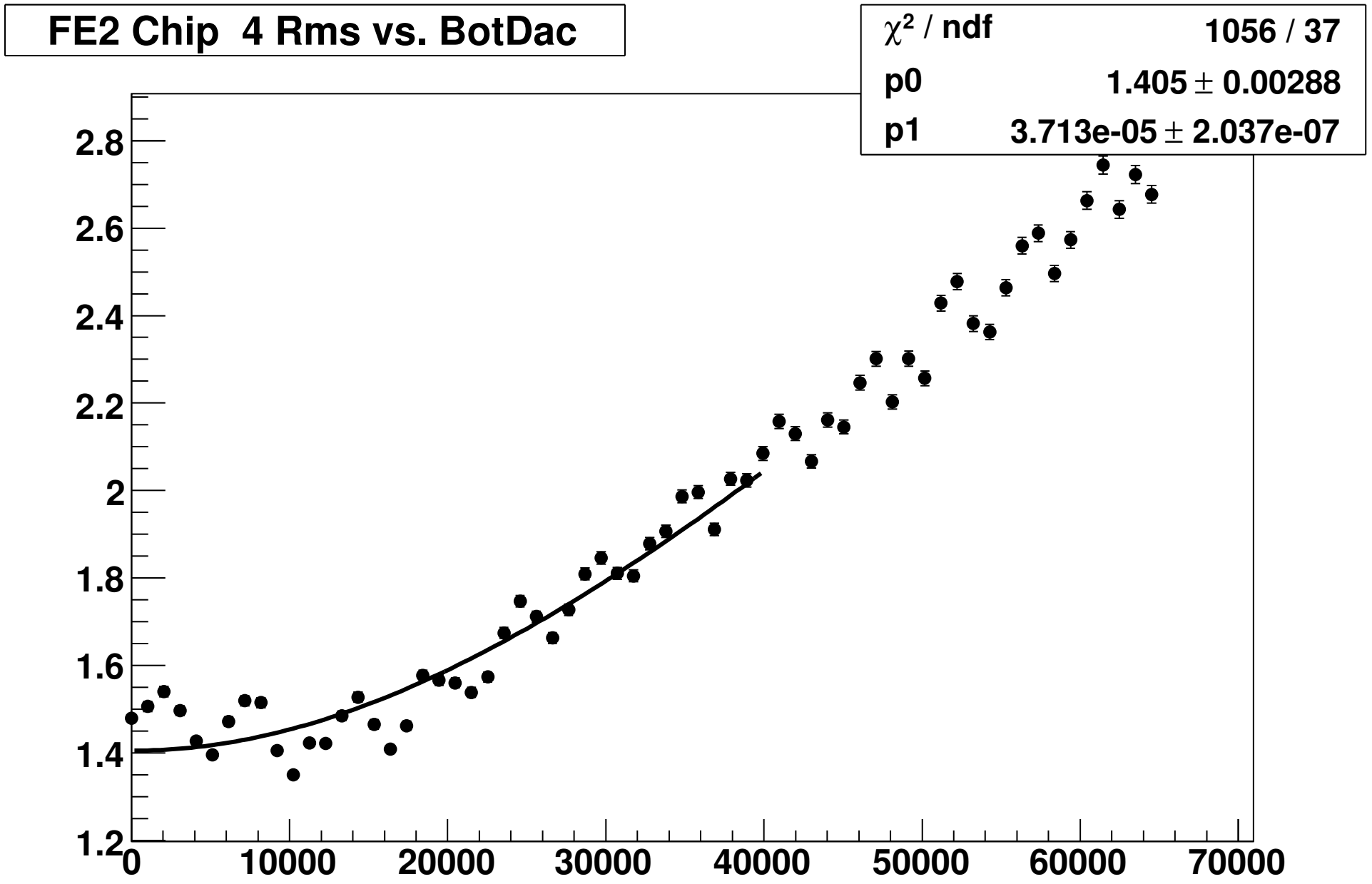
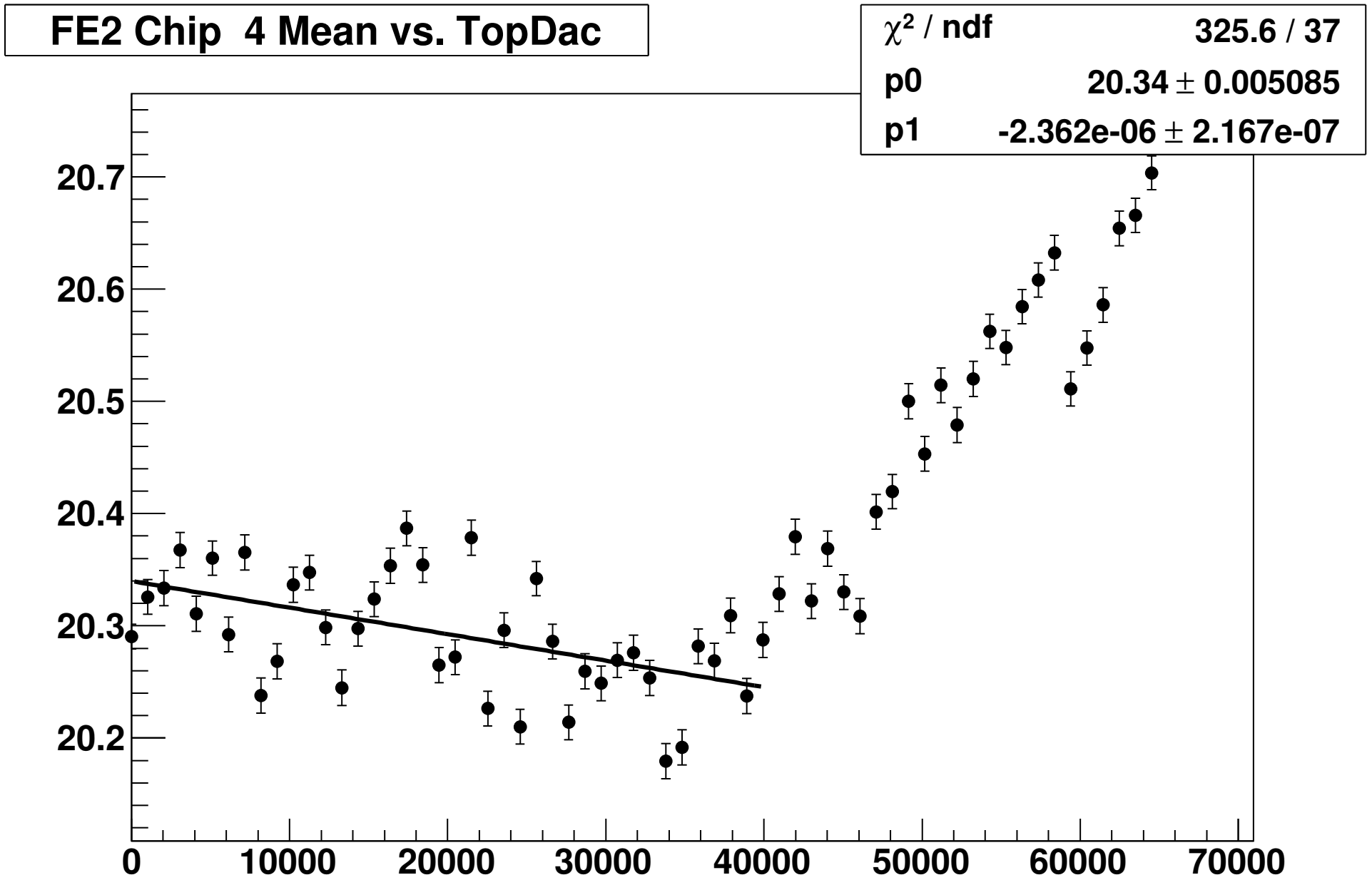
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 1056 / 37
p0 1.405 ± 0.00288
p1 3.713e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 325.6 / 37
p0 20.34 ± 0.005085
p1 -2.362e-06 ± 2.167e-07
20.7
20.6
20.5
20.4
20.3
20.2
0
10000
20000
30000
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50000
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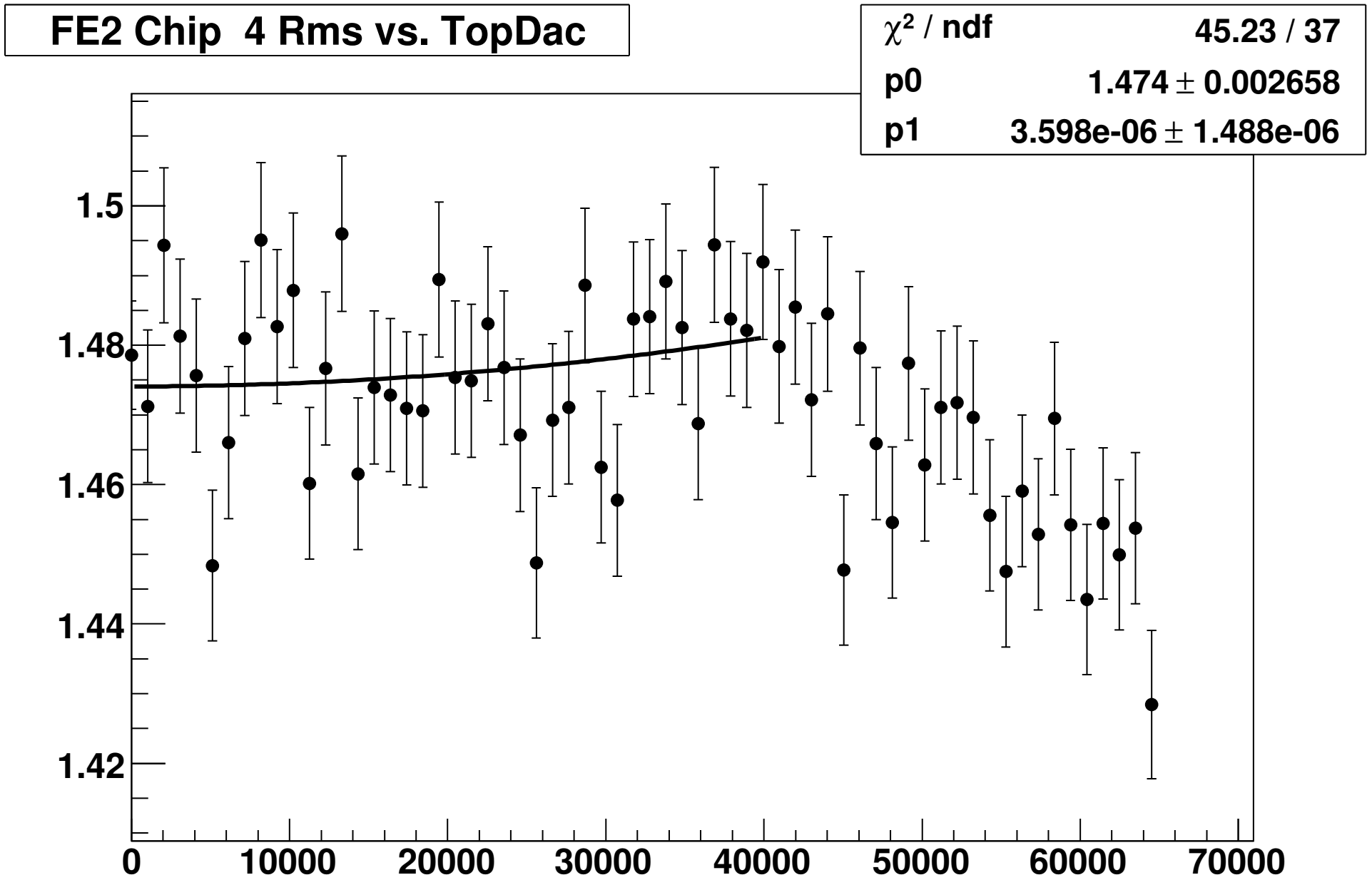
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 45.23 / 37
p0 1.474 ± 0.002658
p1 3.598e-06 ± 1.488e-06
1.5
1.48
1.46
1.44
1.42
0
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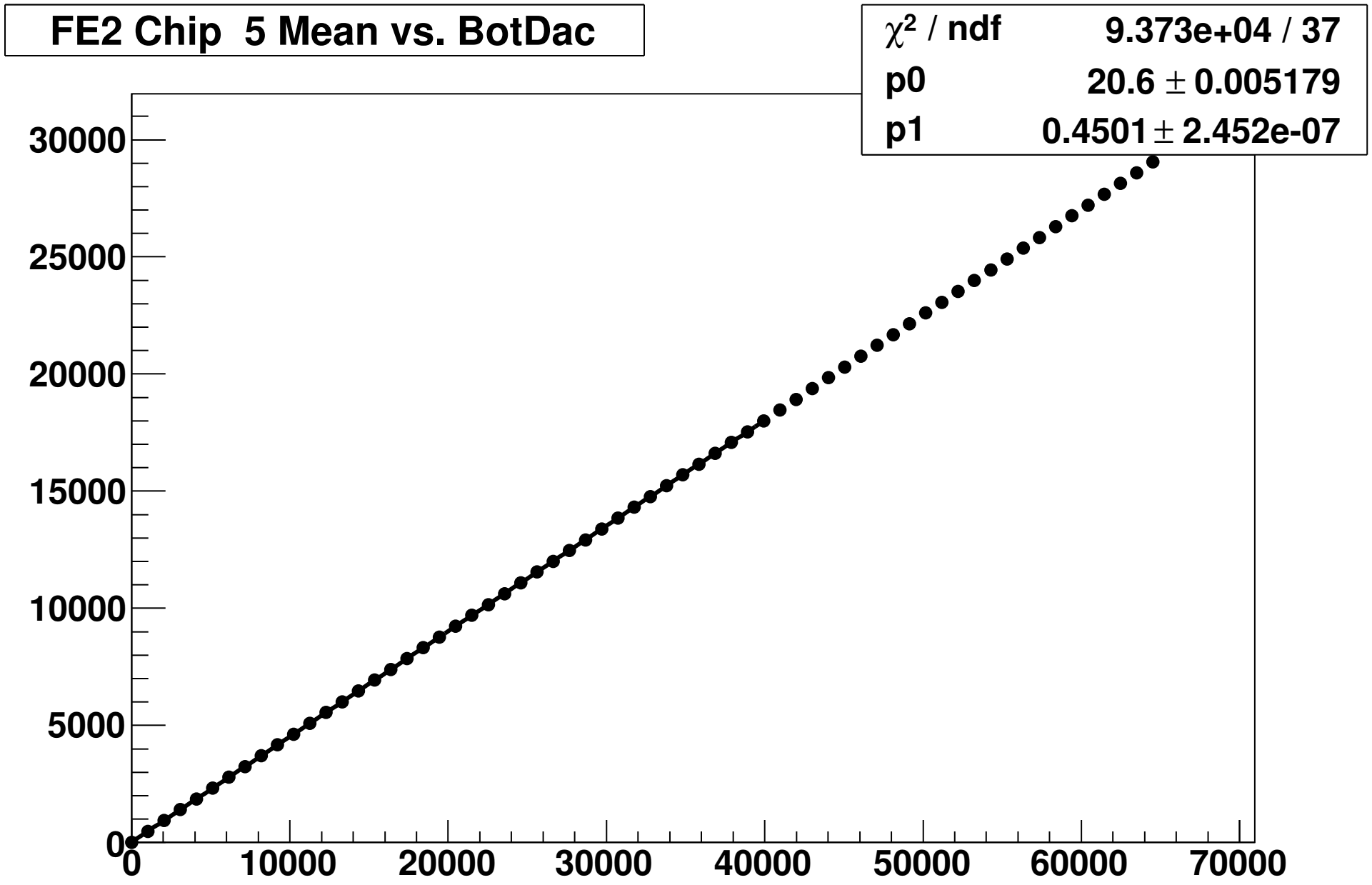
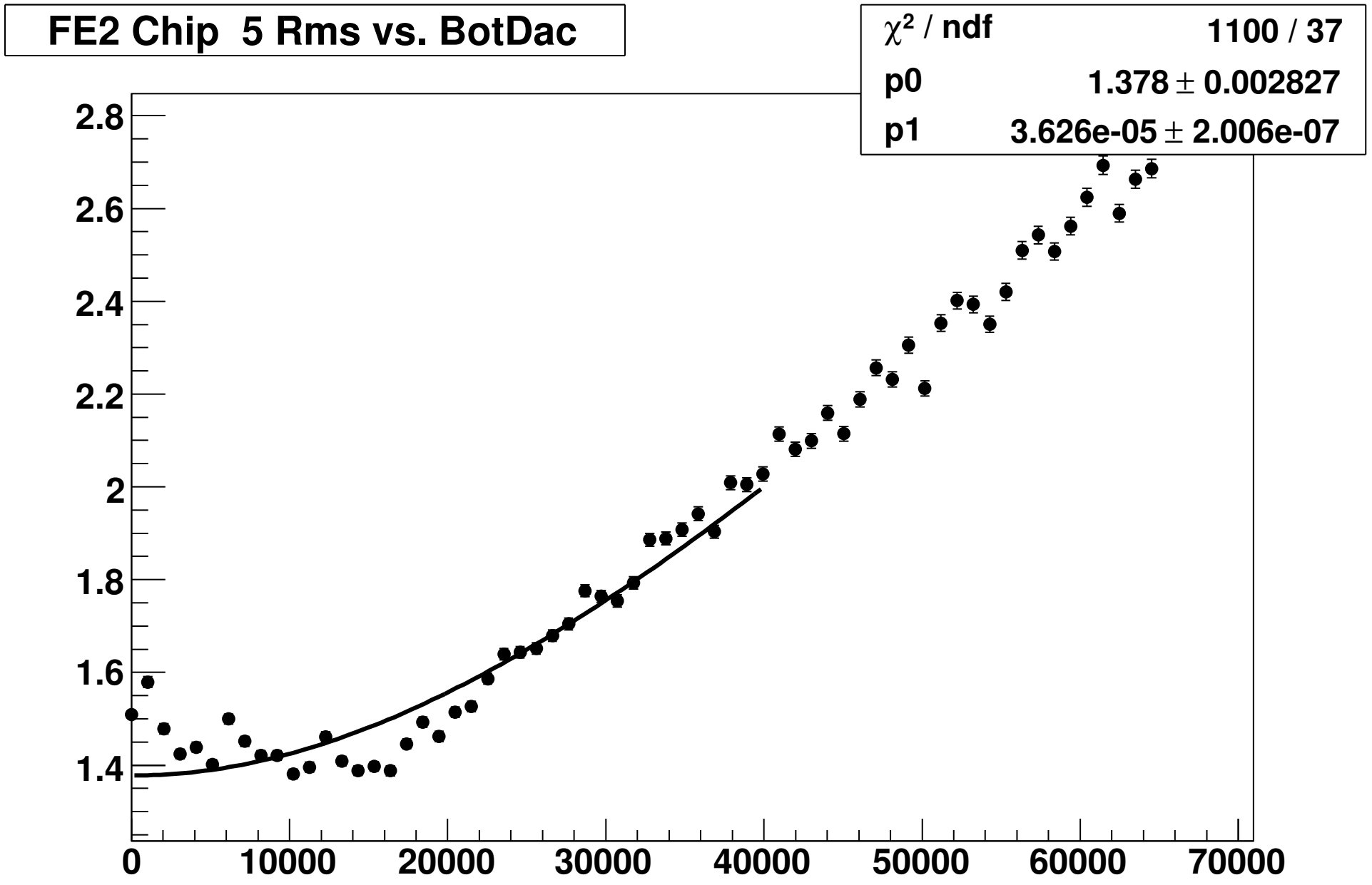
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 9.373e+04 / 37
p0 20.6 ± 0.005179
p1 0.4501 ± 2.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1100 / 37
p0 1.378 ± 0.002827
p1 3.626e-05 ± 2.006e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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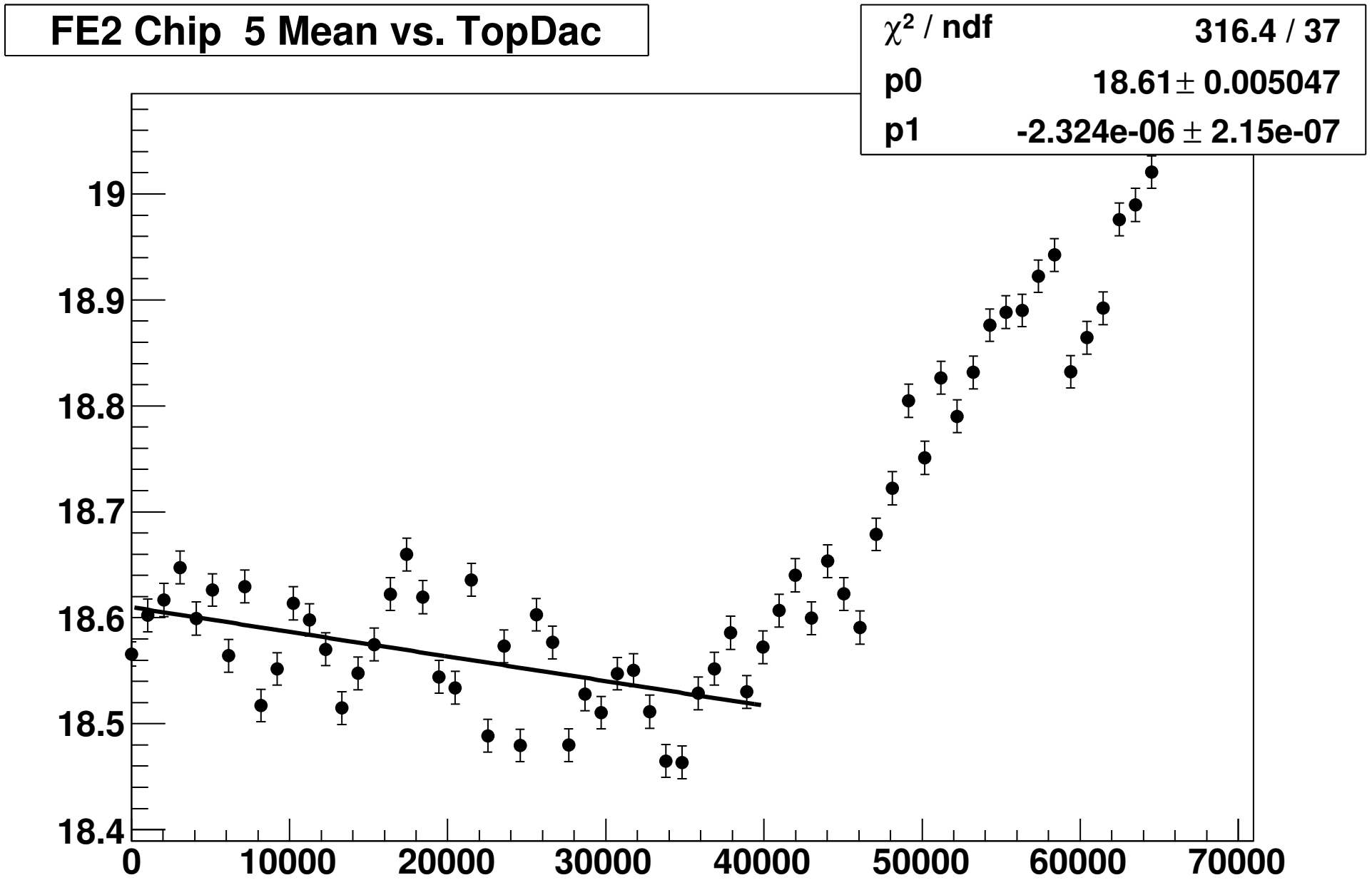
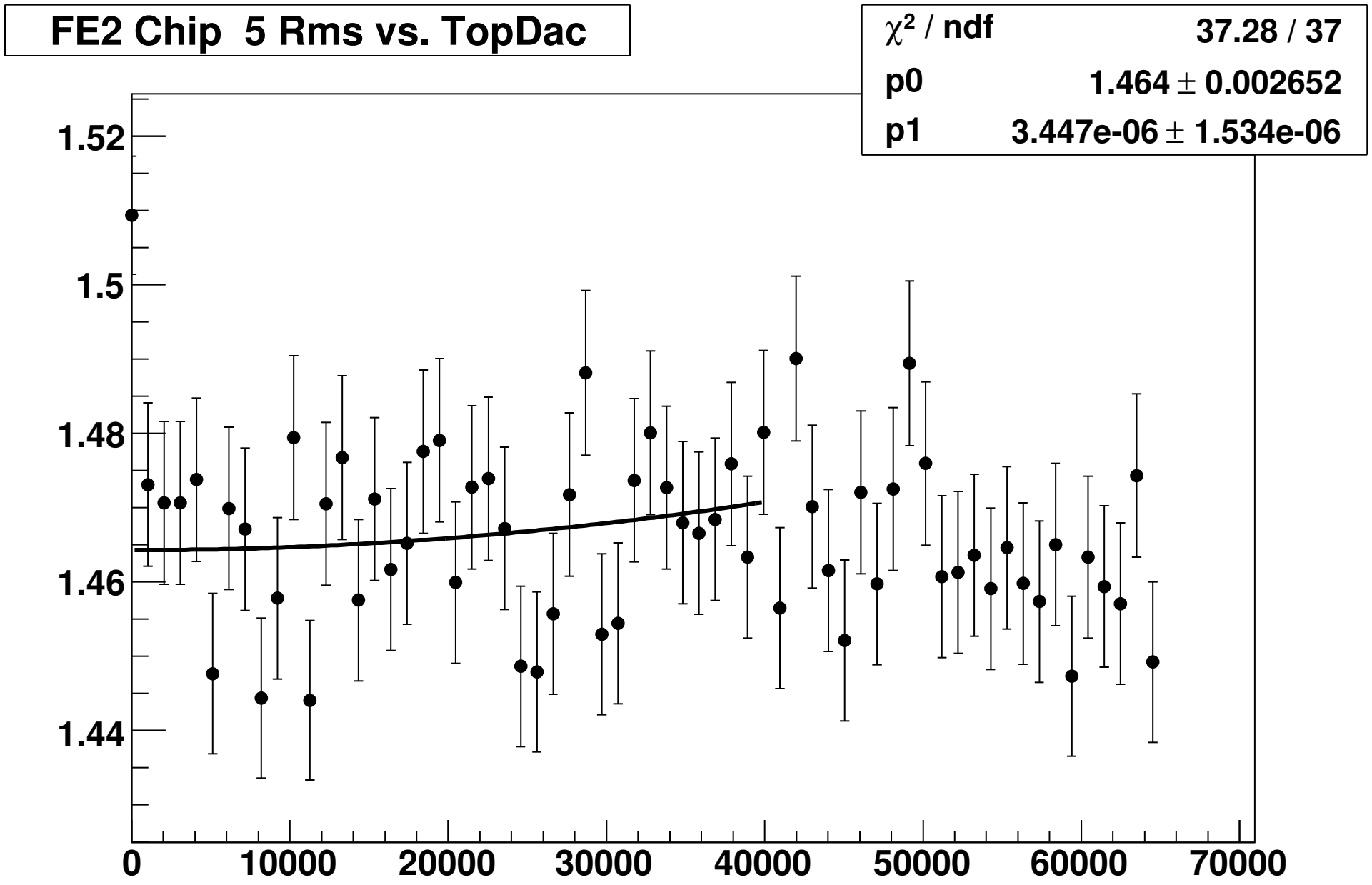
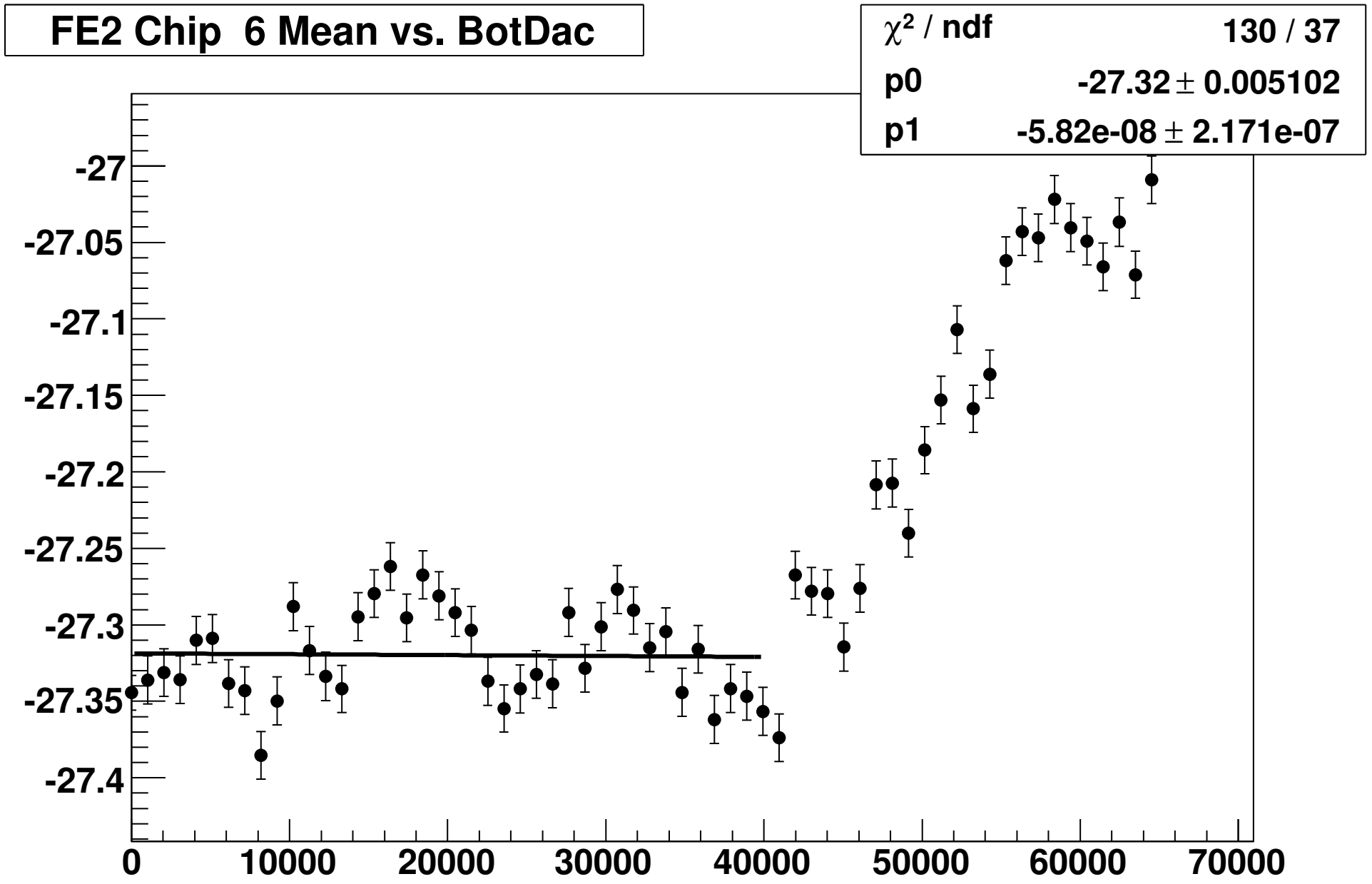
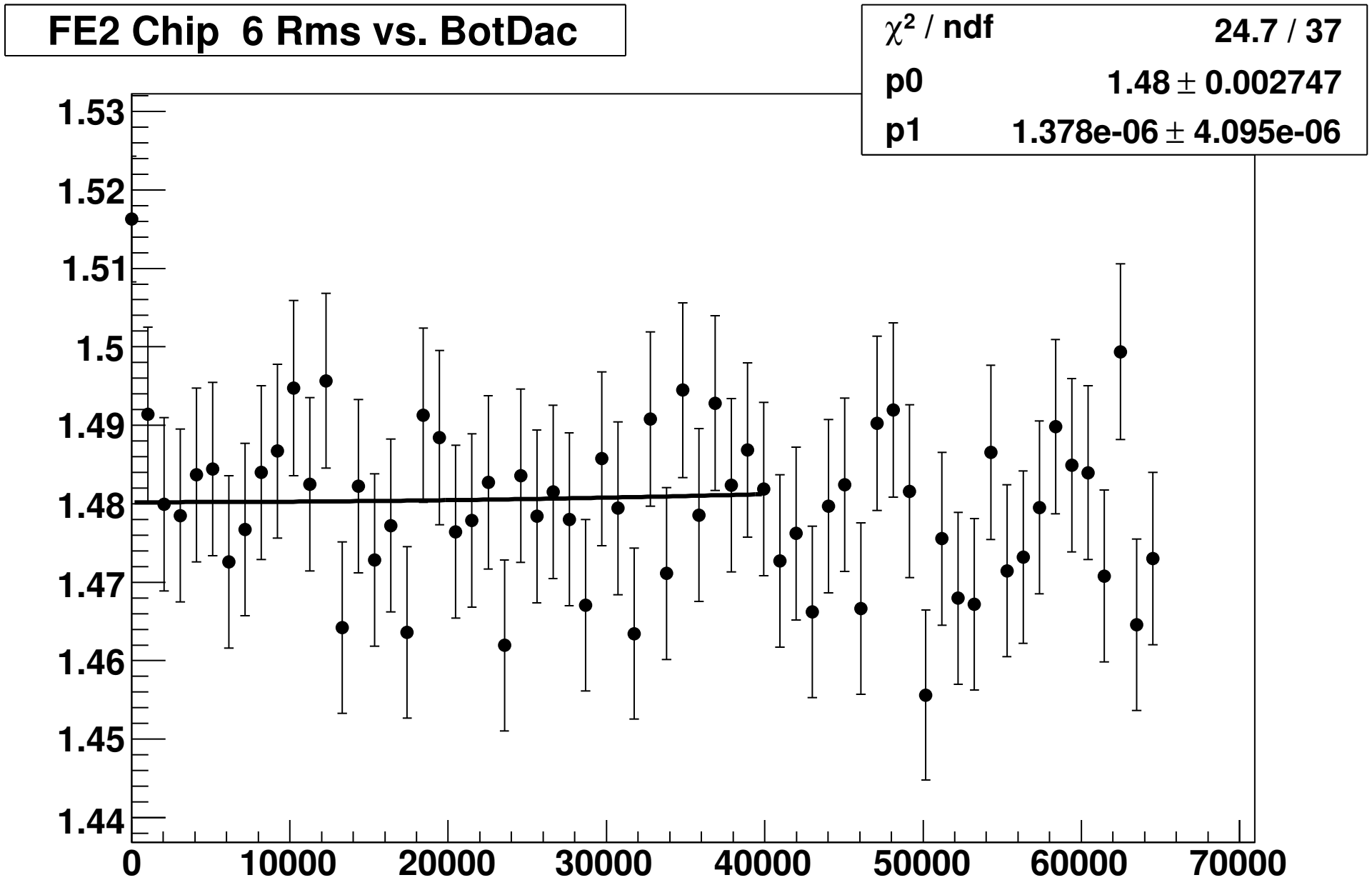

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 316.4 / 37
p0 18.61 ± 0.005047
p1 -2.324e-06 ± 2.15e-07
19
18.9
18.8
18.7
18.6
18.5
18.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 37.28 / 37
p0 1.464 ± 0.002652
p1 3.447e-06 ± 1.534e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 130 / 37
p0 -27.32 ± 0.005102
p1 -5.82e-08 ± 2.171e-07
-27
-27.05
-27.1
-27.15
-27.2
-27.25
-27.3
-27.35
-27.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 24.7 / 37
p0 1.48 ± 0.002747
p1 1.378e-06 ± 4.095e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
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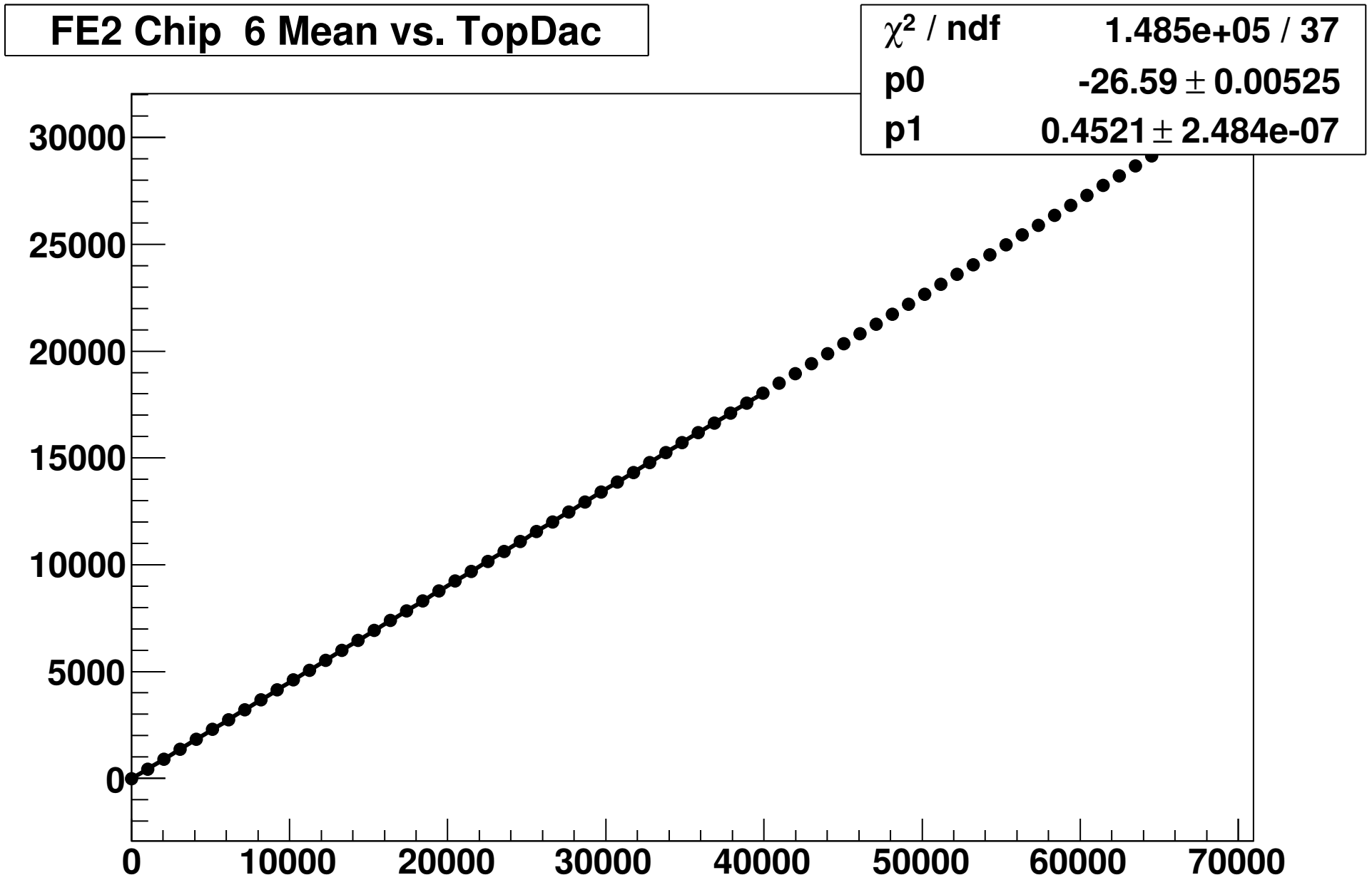
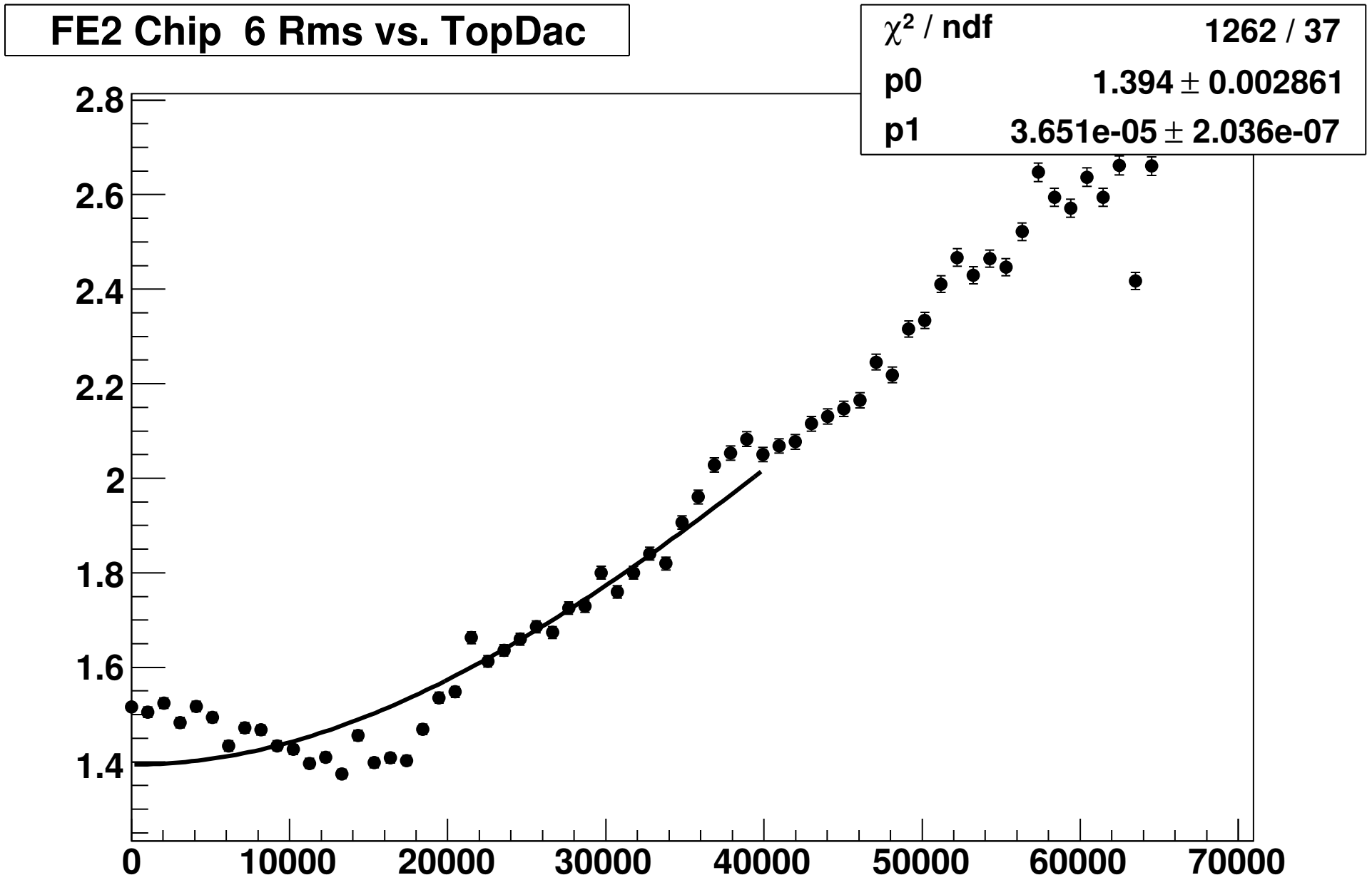

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.485e+05 / 37
p0 -26.59 ± 0.00525
p1 0.4521 ± 2.484e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1262 / 37
p0 1.394 ± 0.002861
p1 3.651e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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20000
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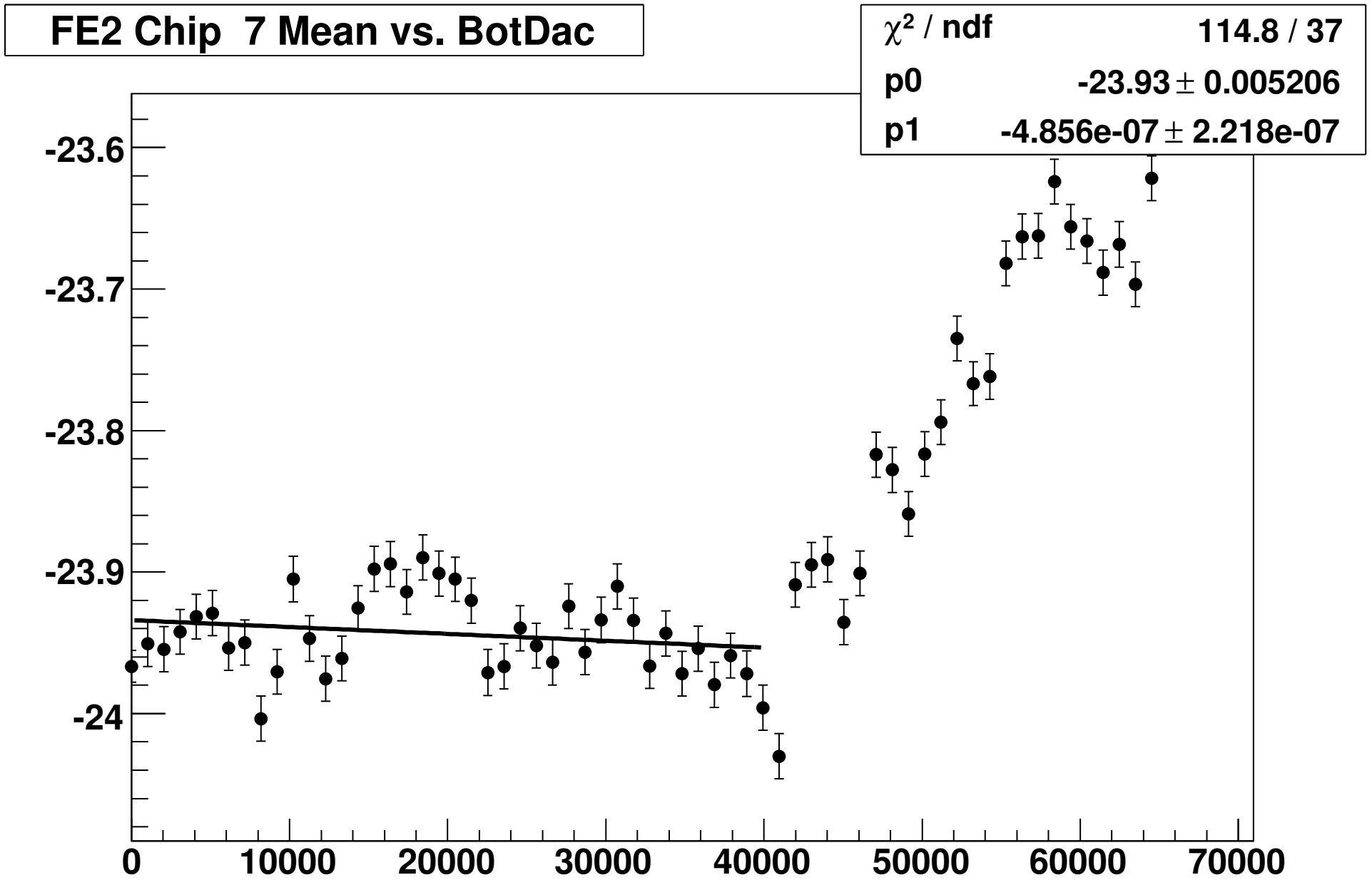
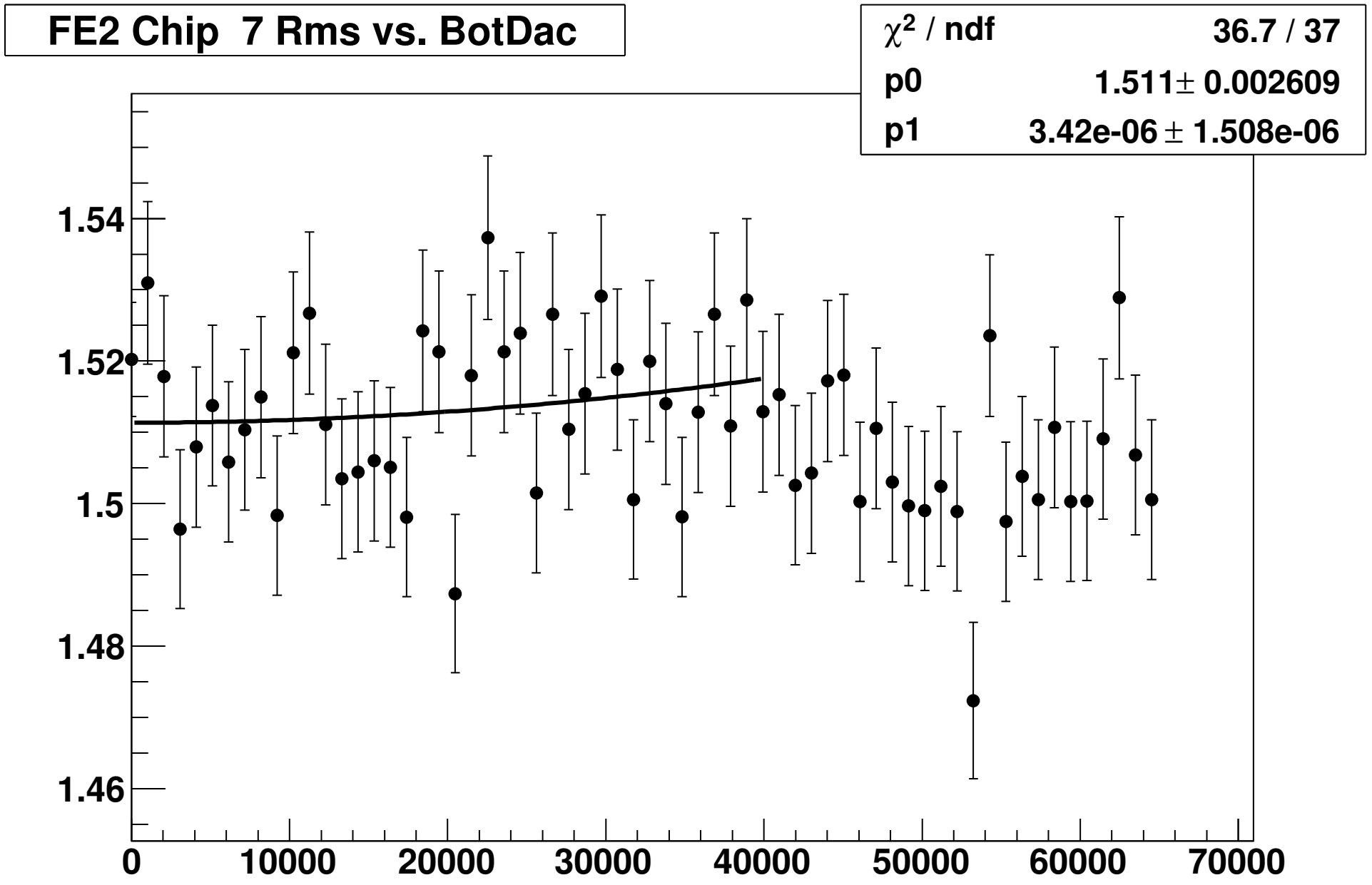
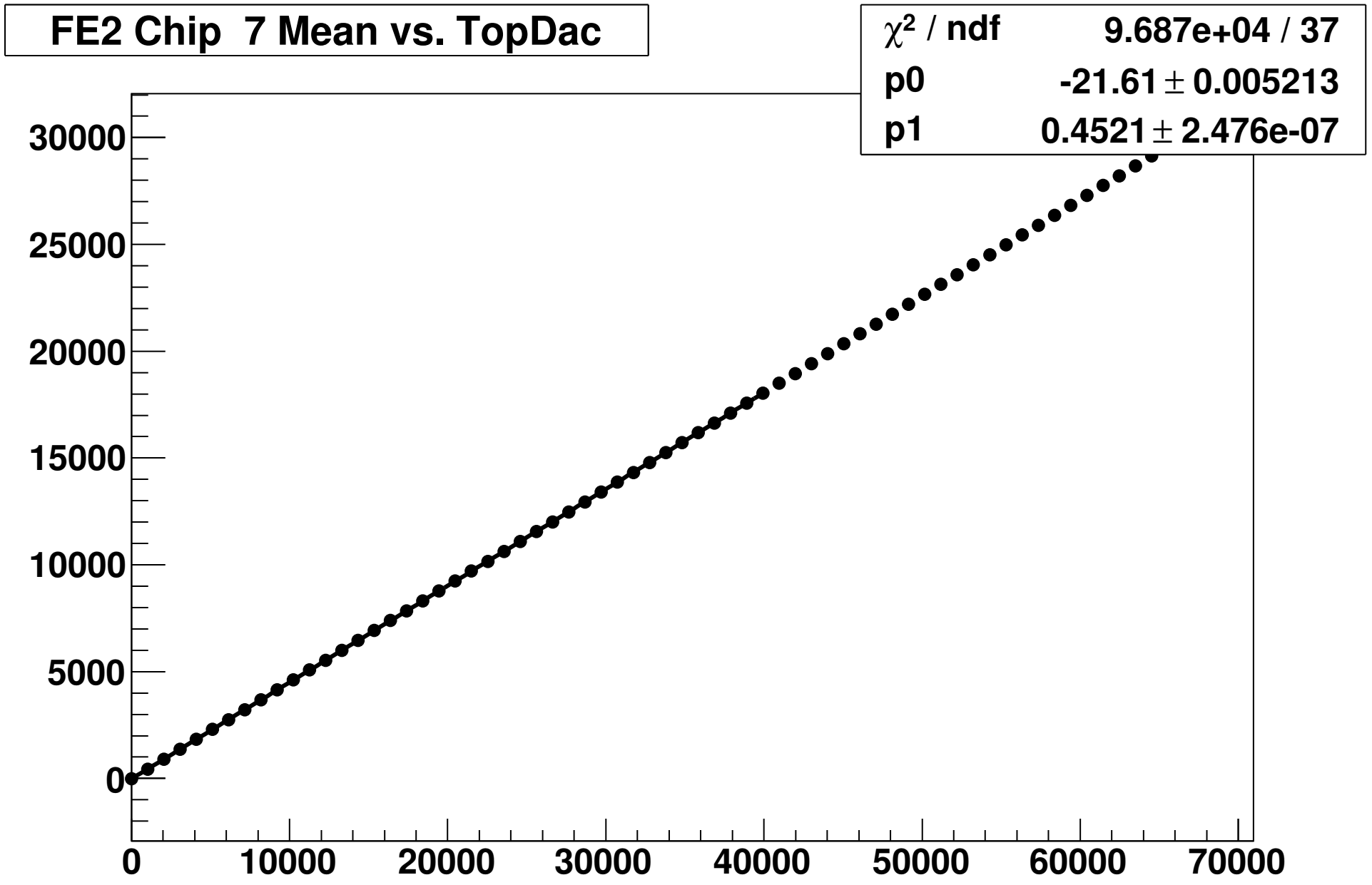
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 114.8 / 37
p0 -23.93 ± 0.005206
p1 -4.856e-07 ± 2.218e-07
-23.6
-23.7
-23.8
-23.9
-24
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 36.7 / 37
p0 1.511 ± 0.002609
p1 3.42e-06 ± 1.508e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 9.687e+04 / 37
p0 -21.61 ± 0.005213
p1 0.4521 ± 2.476e-07
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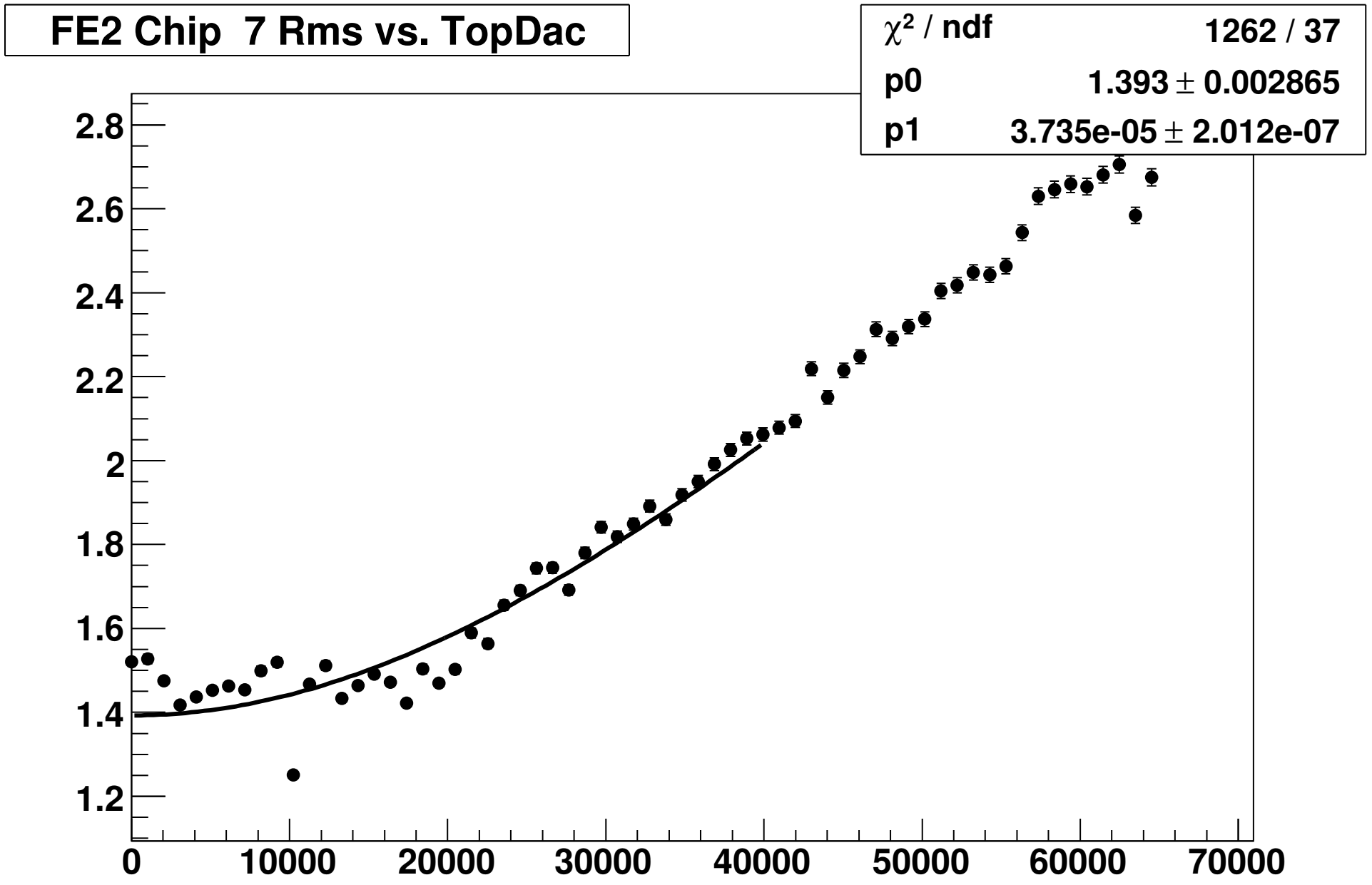
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1262 / 37
p0 1.393 ± 0.002865
p1 3.735e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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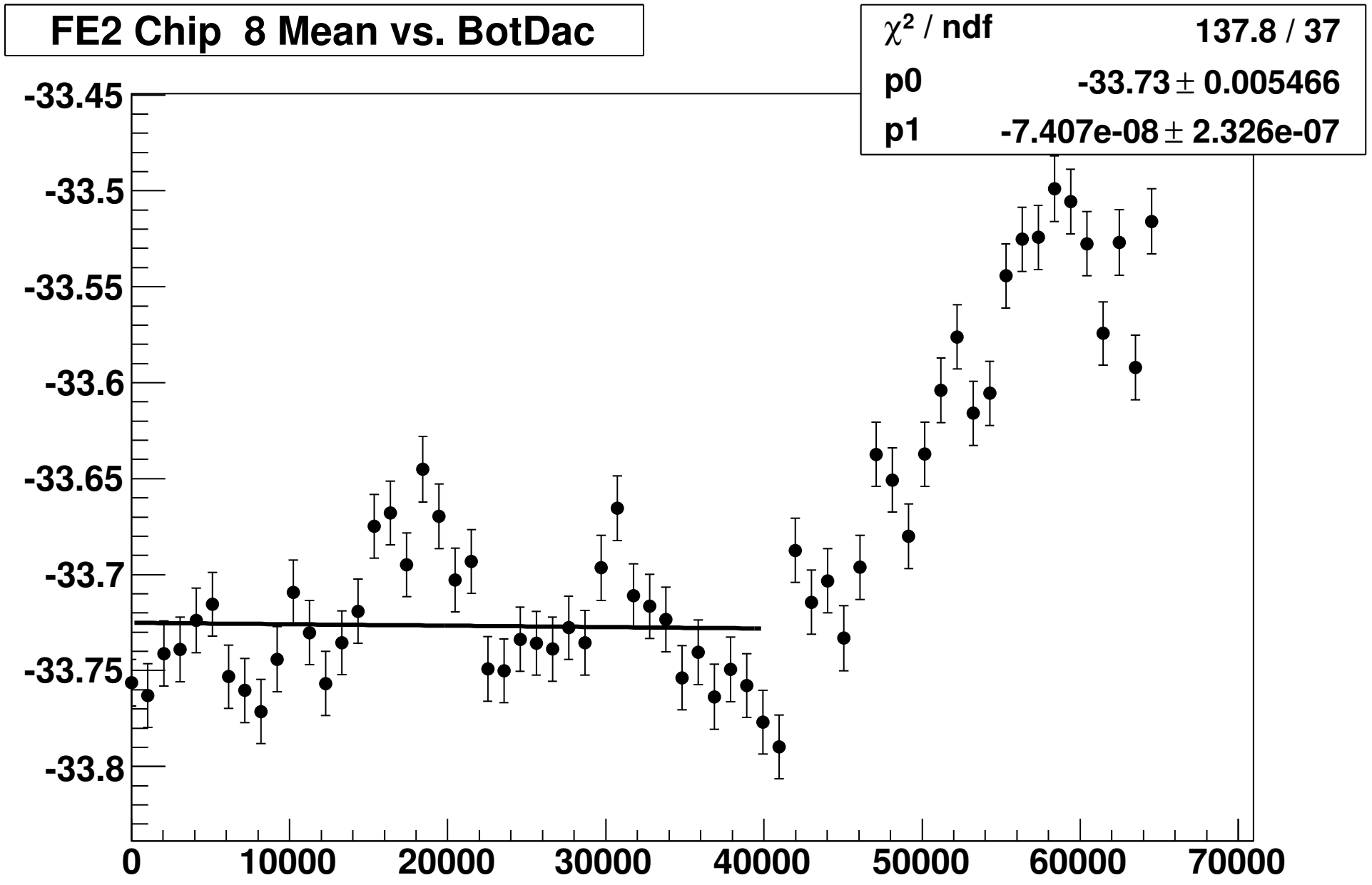
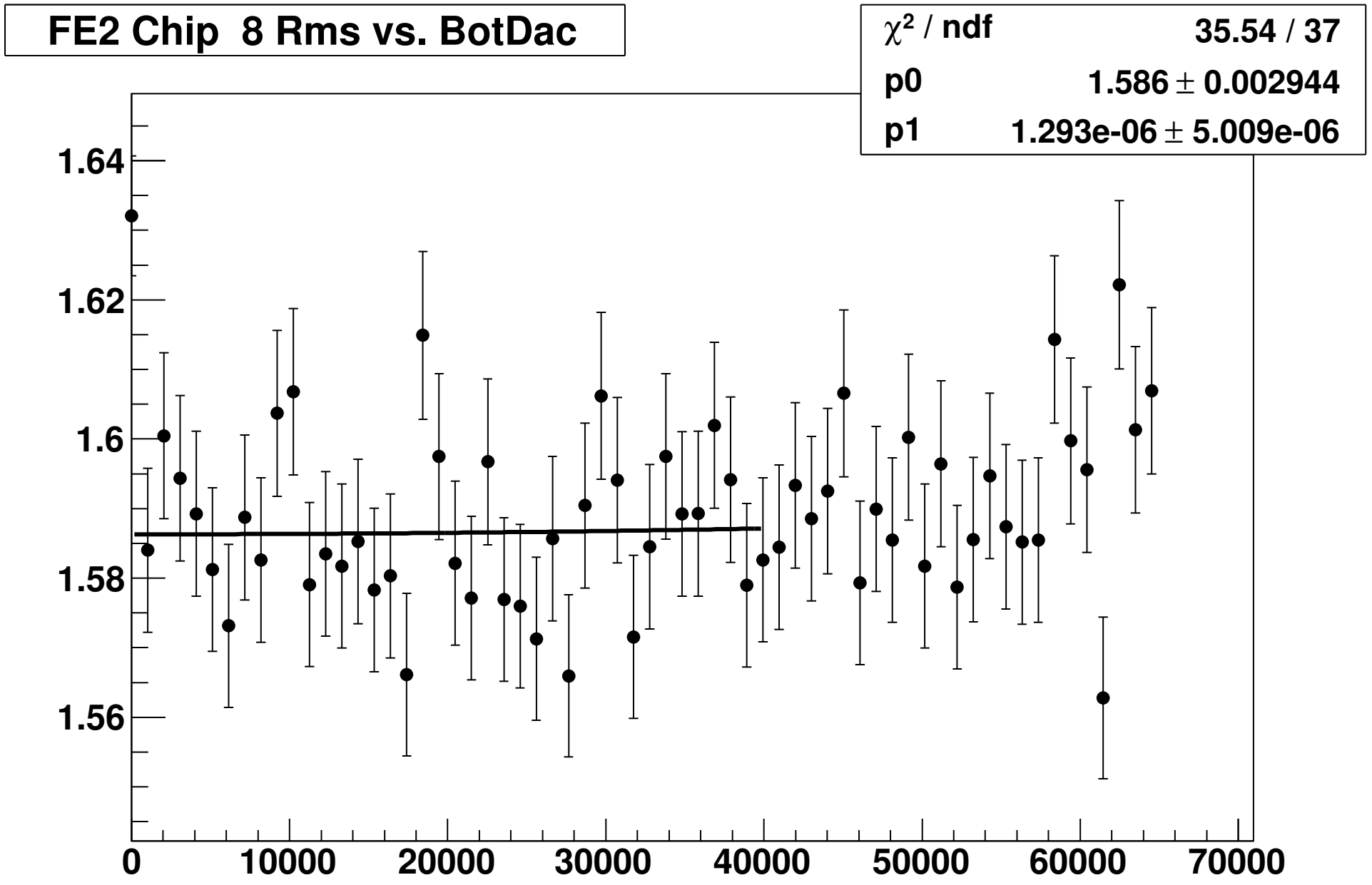

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 137.8 / 37
p0 -33.73 ± 0.005466
p1 -7.407e-08 ± 2.326e-07
-33.45
-33.5
-33.55
-33.6
-33.65
-33.7
-33.75
-33.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 35.54 / 37
p0 1.586 ± 0.002944
p1 1.293e-06 ± 5.009e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
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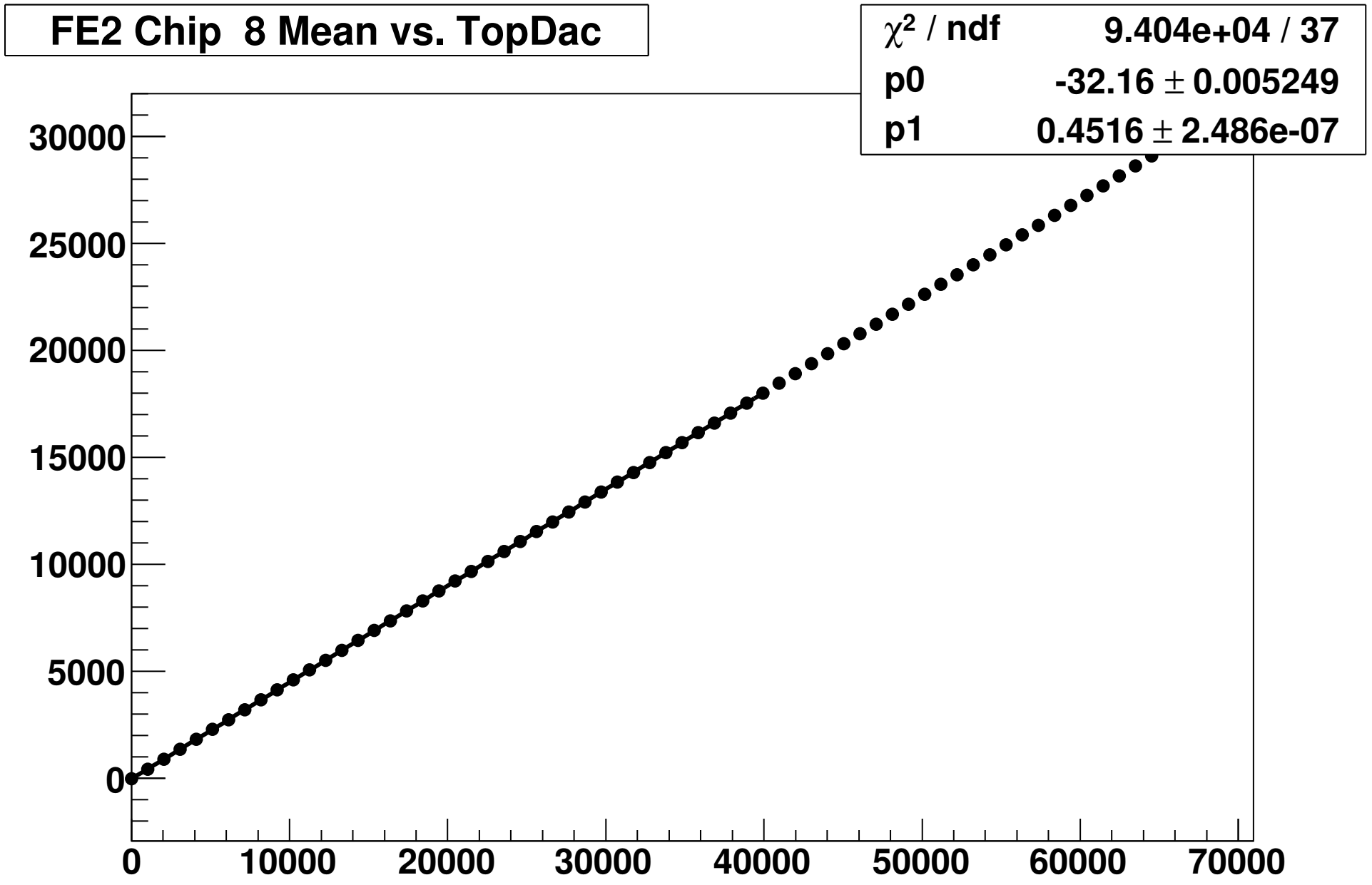
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 9.404e+04 / 37
p0 -32.16 ± 0.005249
p1 0.4516 ± 2.486e-07
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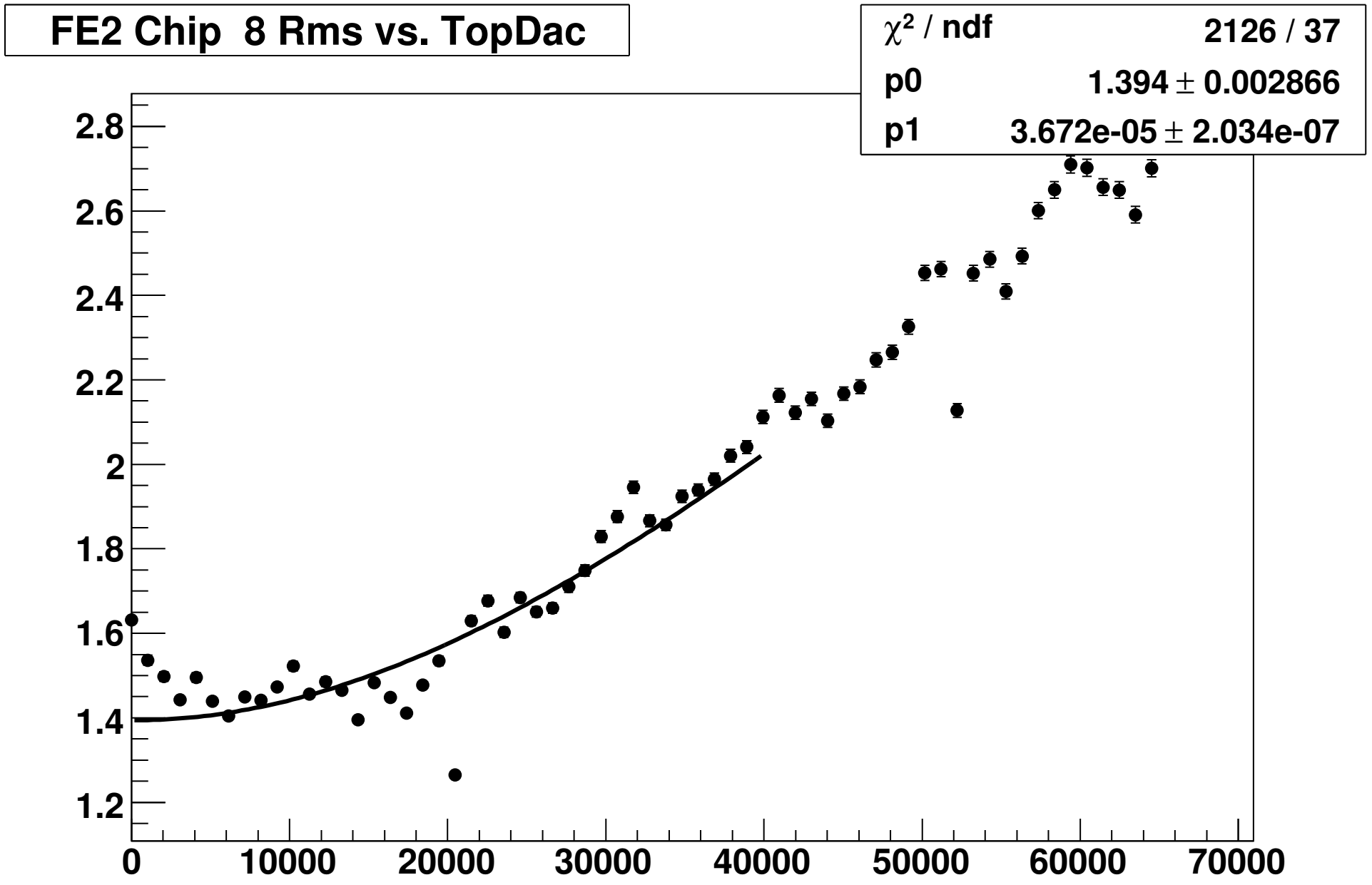
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 2126 / 37
p0 1.394 ± 0.002866
p1 3.672e-05 ± 2.034e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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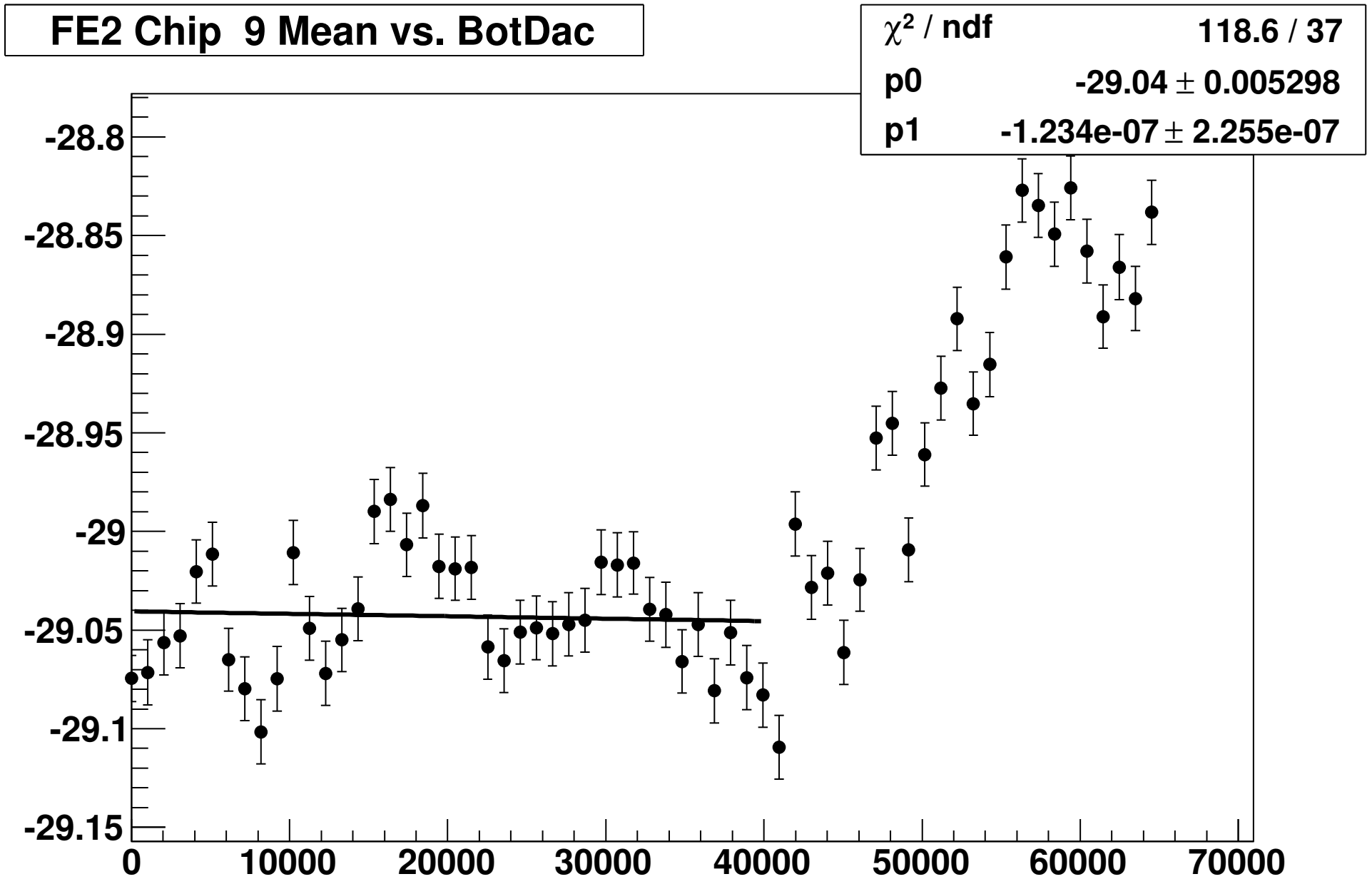
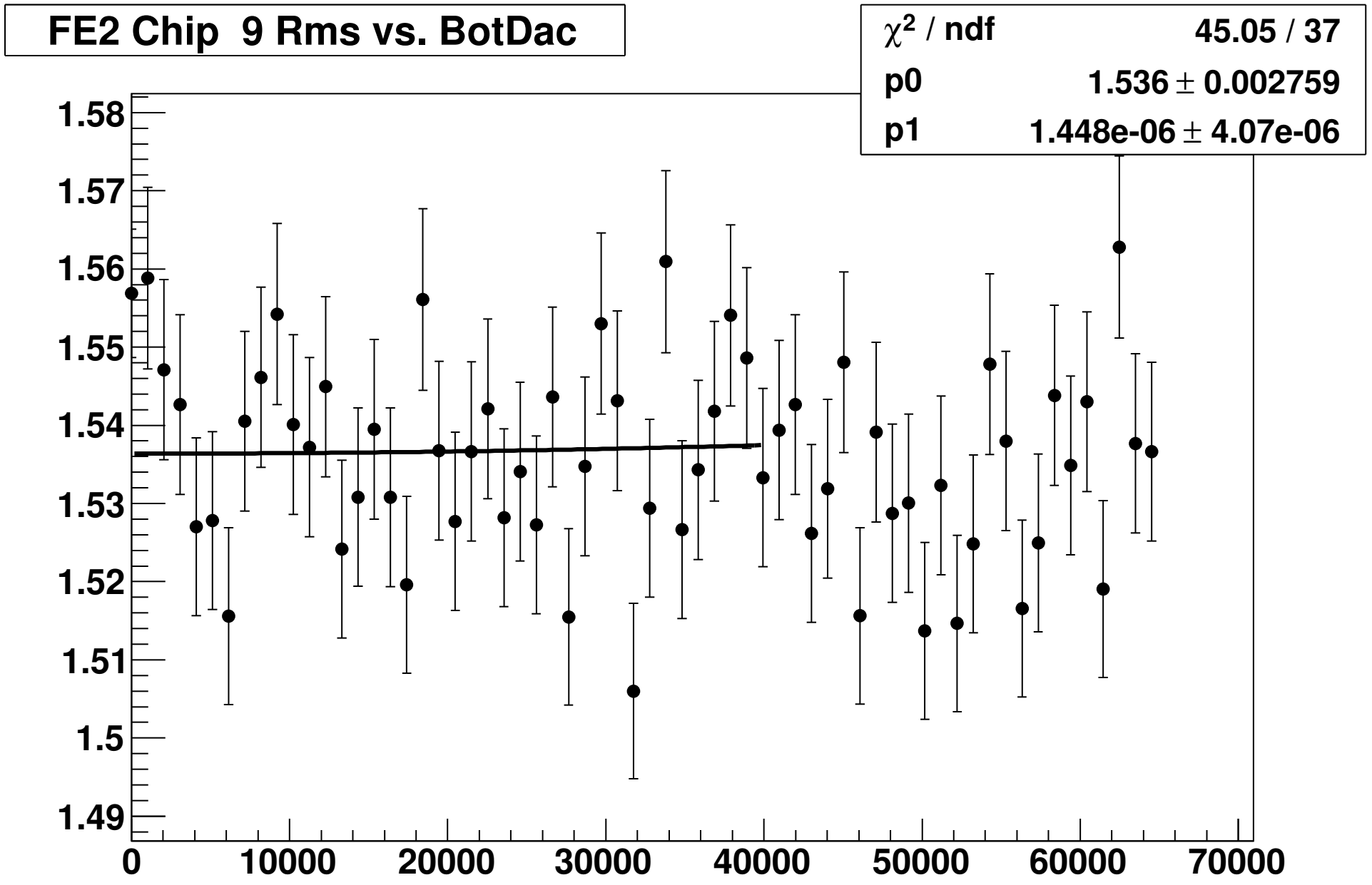
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 118.6 / 37
p0 -29.04 ± 0.005298
p1 -1.234e-07 ± 2.255e-07
-28.8
-28.85
-28.9
-28.95
-29
-29.05
-29.1
-29.15
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 45.05 / 37
p0 1.536 ± 0.002759
p1 1.448e-06 ± 4.07e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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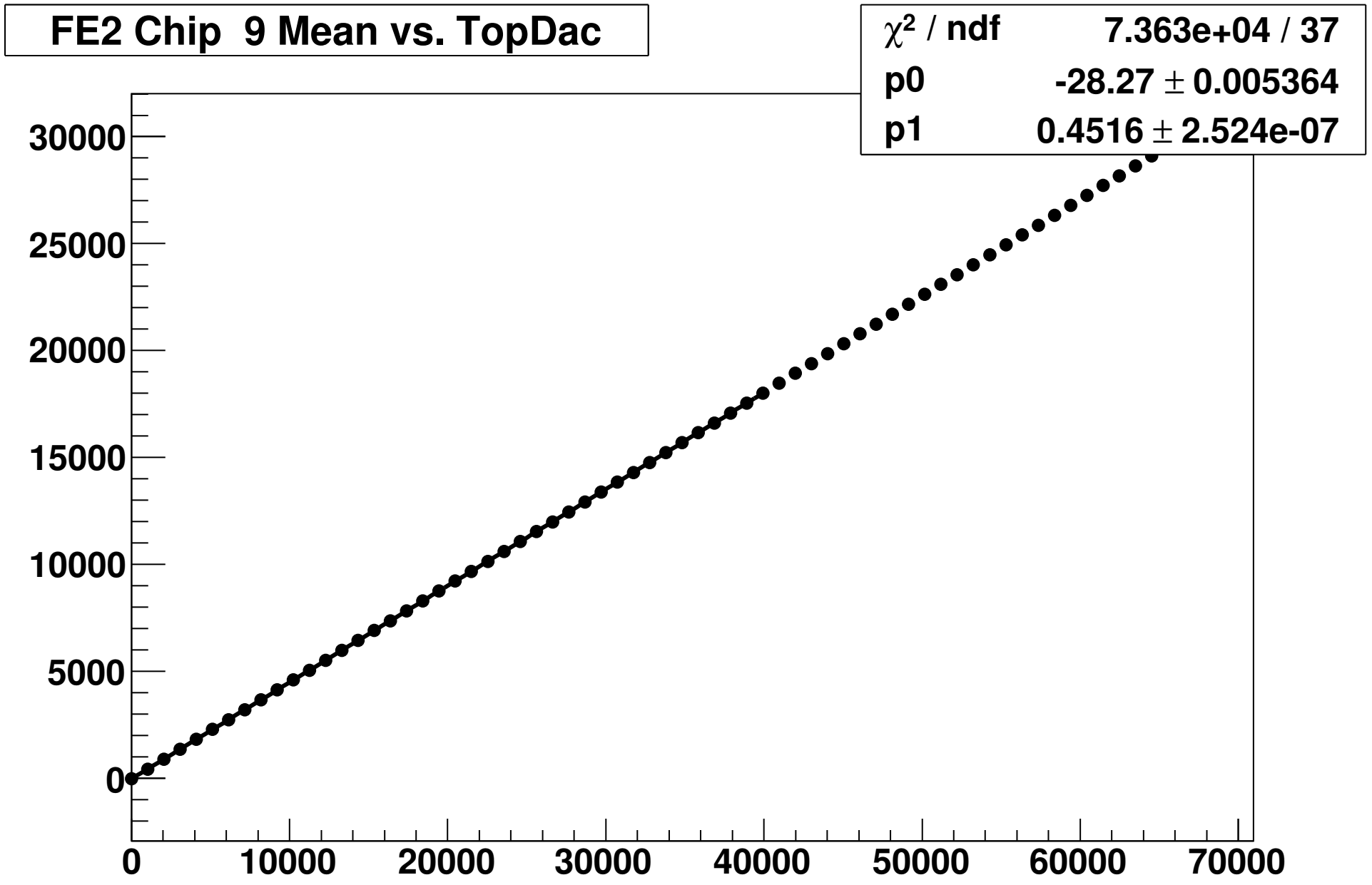
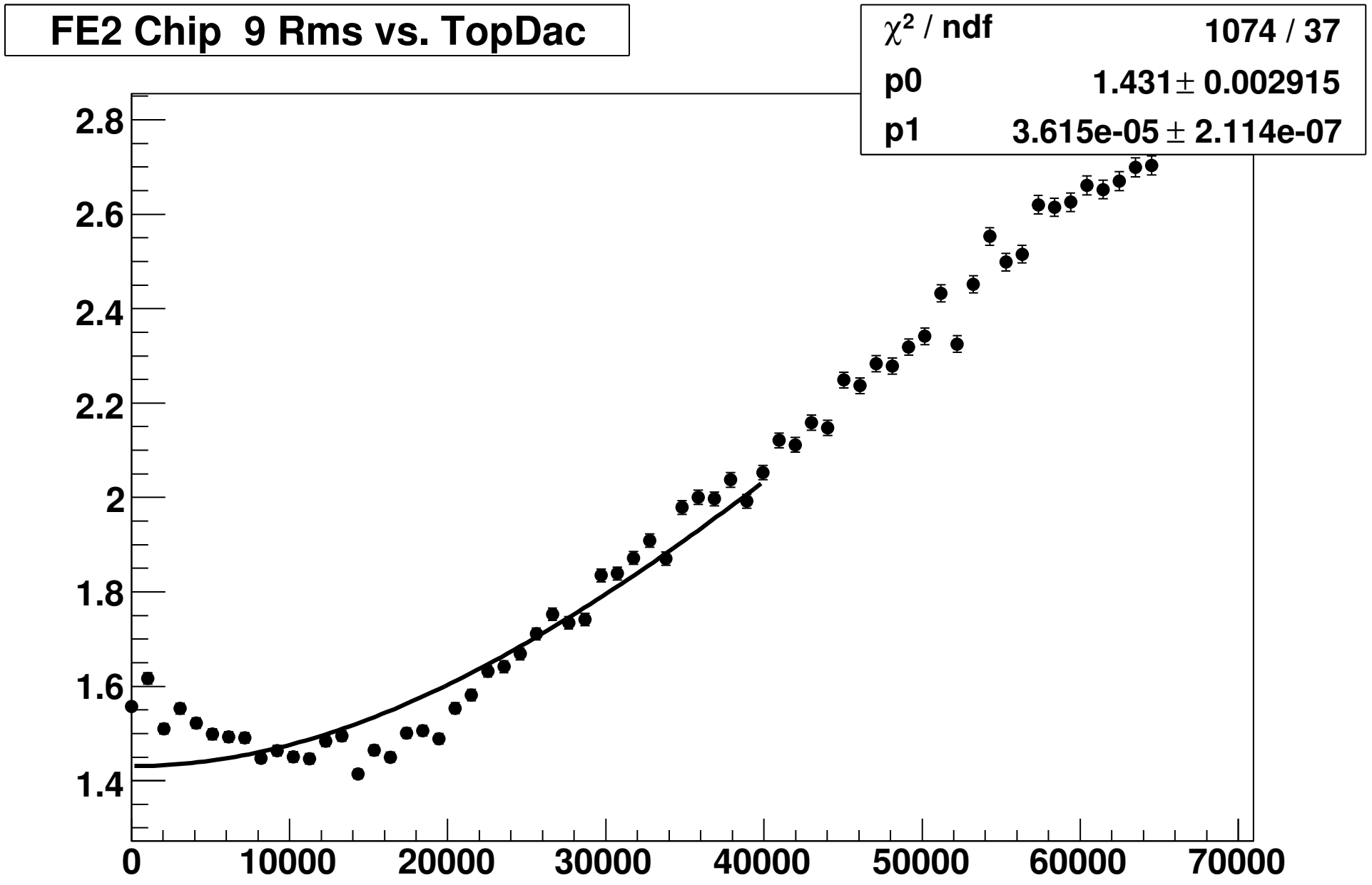

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 7.363e+04 / 37
p0 -28.27 ± 0.005364
p1 0.4516 ± 2.524e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1074 / 37
p0 1.431 ± 0.002915
p1 3.615e-05 ± 2.114e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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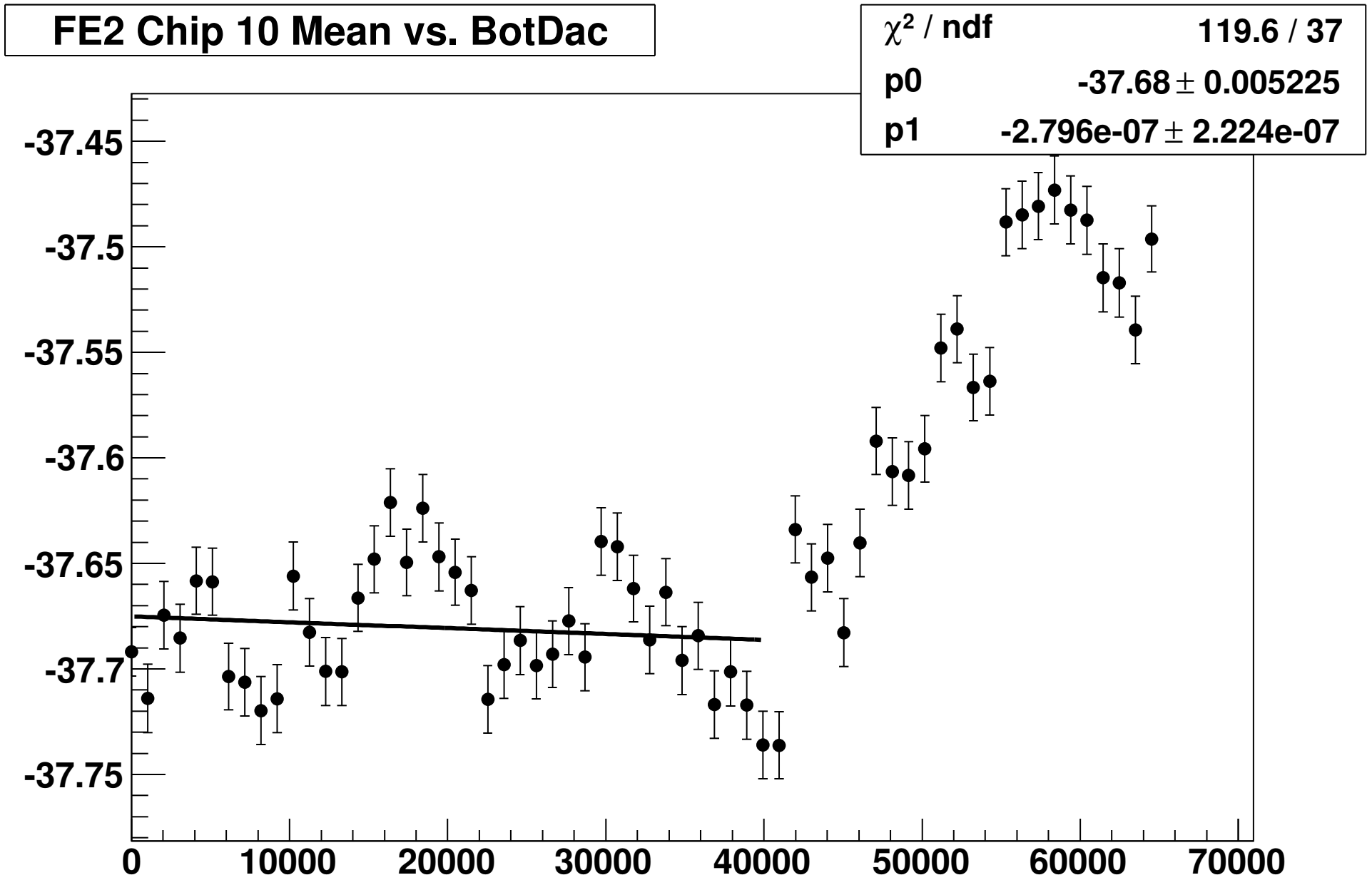
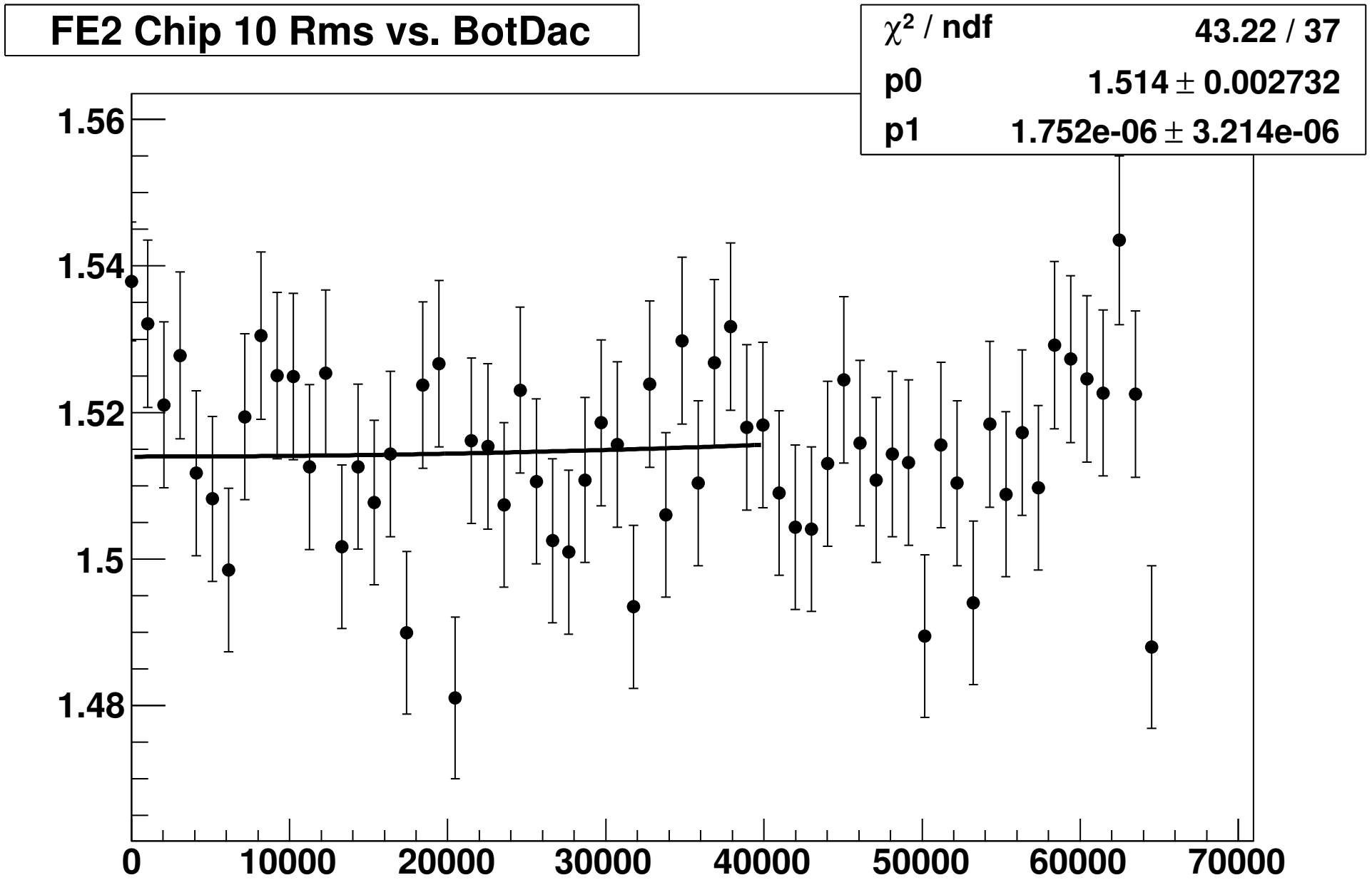

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 119.6 / 37
p0 -37.68 ± 0.005225
p1 -2.796e-07 ± 2.224e-07
-37.45
-37.5
-37.55
-37.6
-37.65
-37.7
-37.75
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 43.22 / 37
p0 1.514 ± 0.002732
p1 1.752e-06 ± 3.214e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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50000
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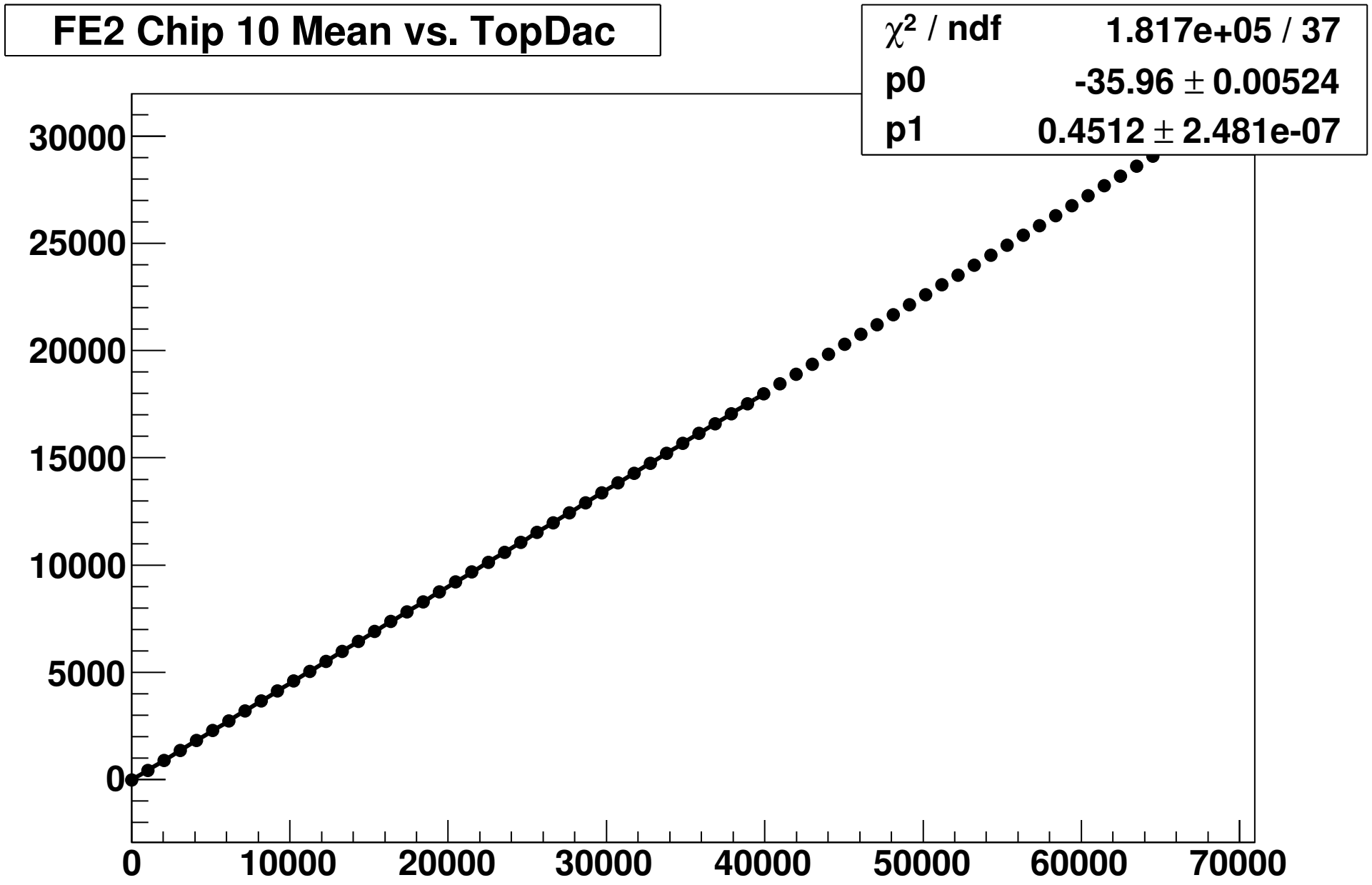
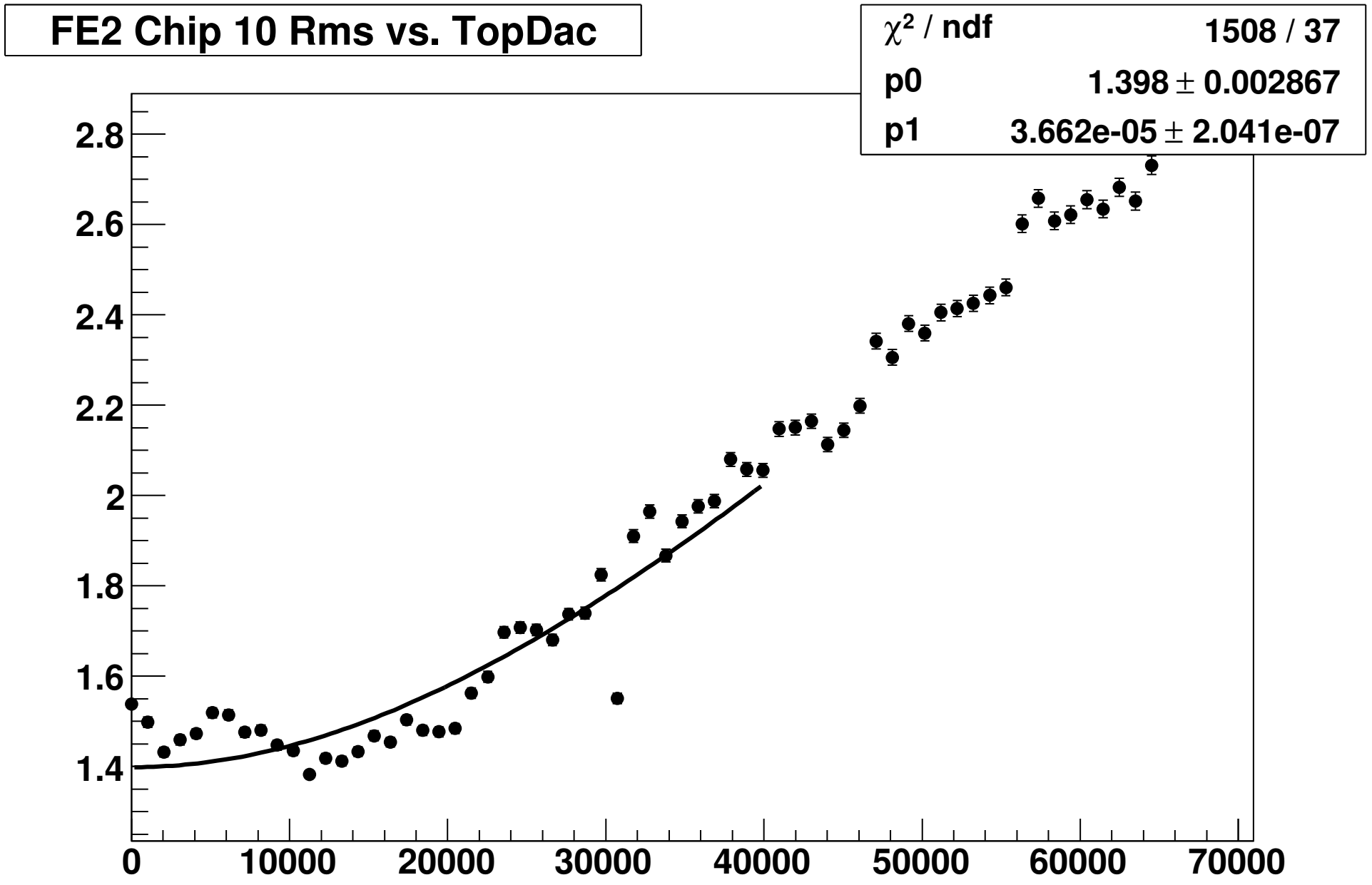
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.817e+05 / 37
p0 -35.96 ± 0.00524
p1 0.4512 ± 2.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1508 / 37
p0 1.398 ± 0.002867
p1 3.662e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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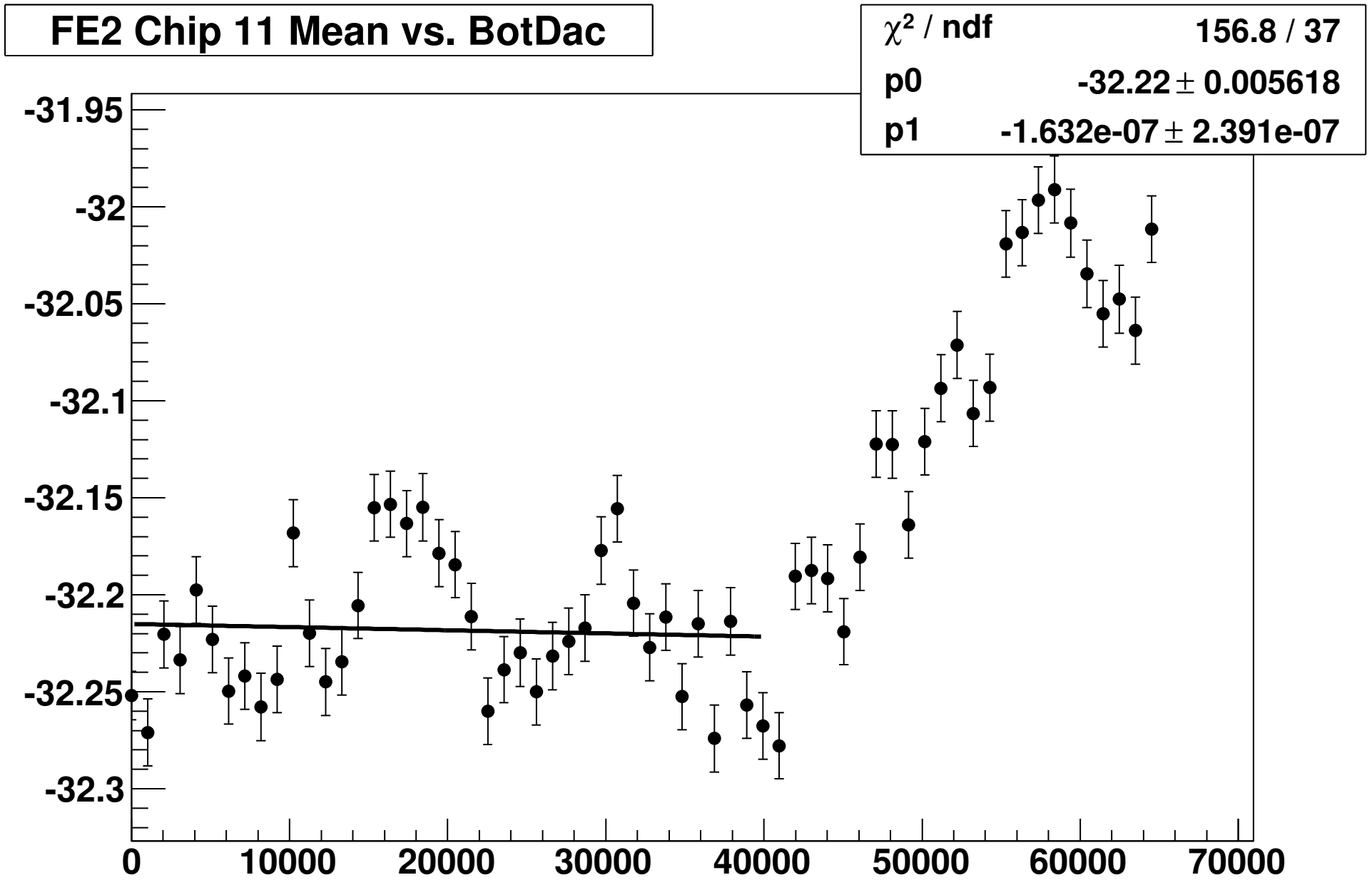
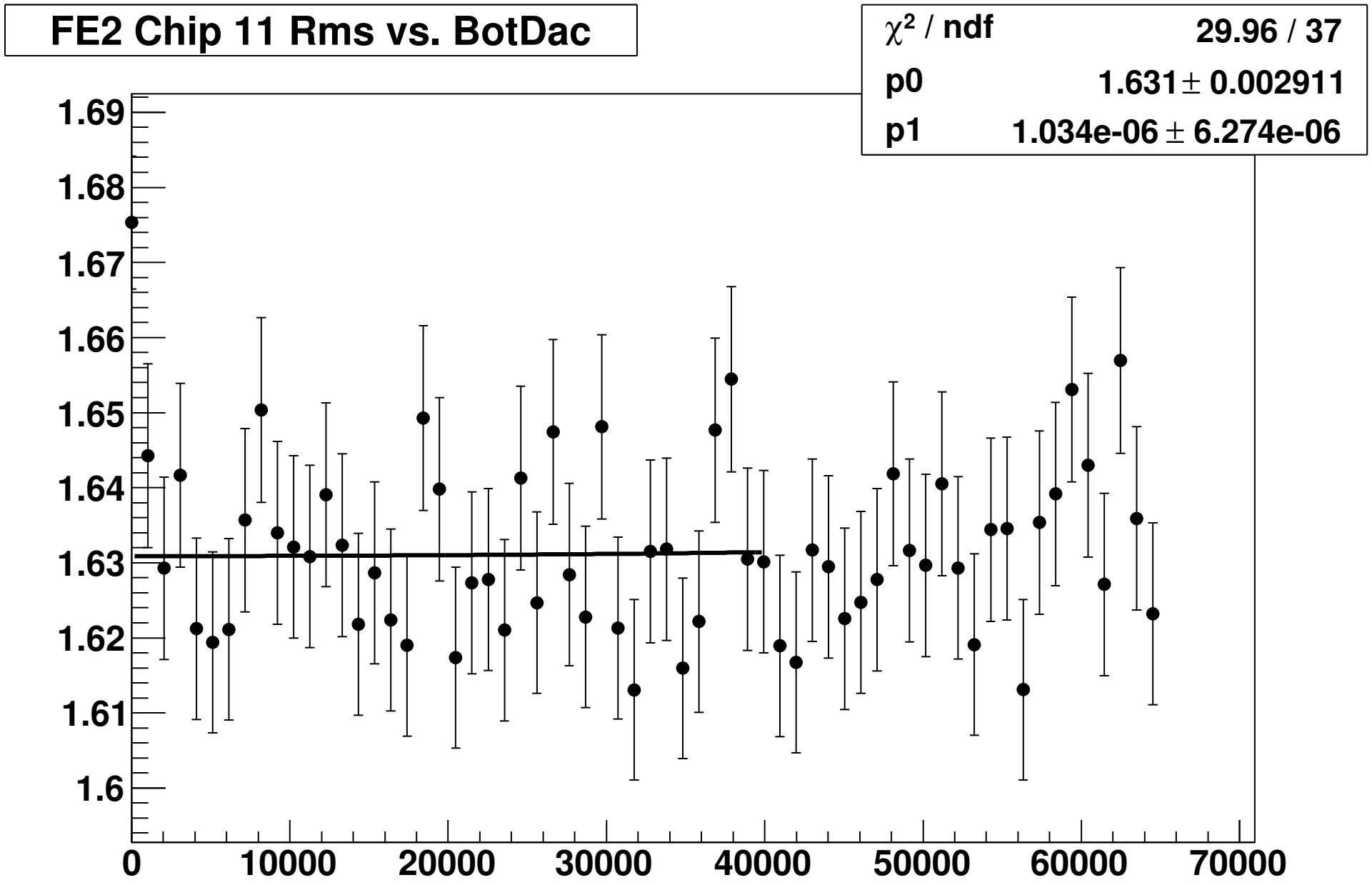
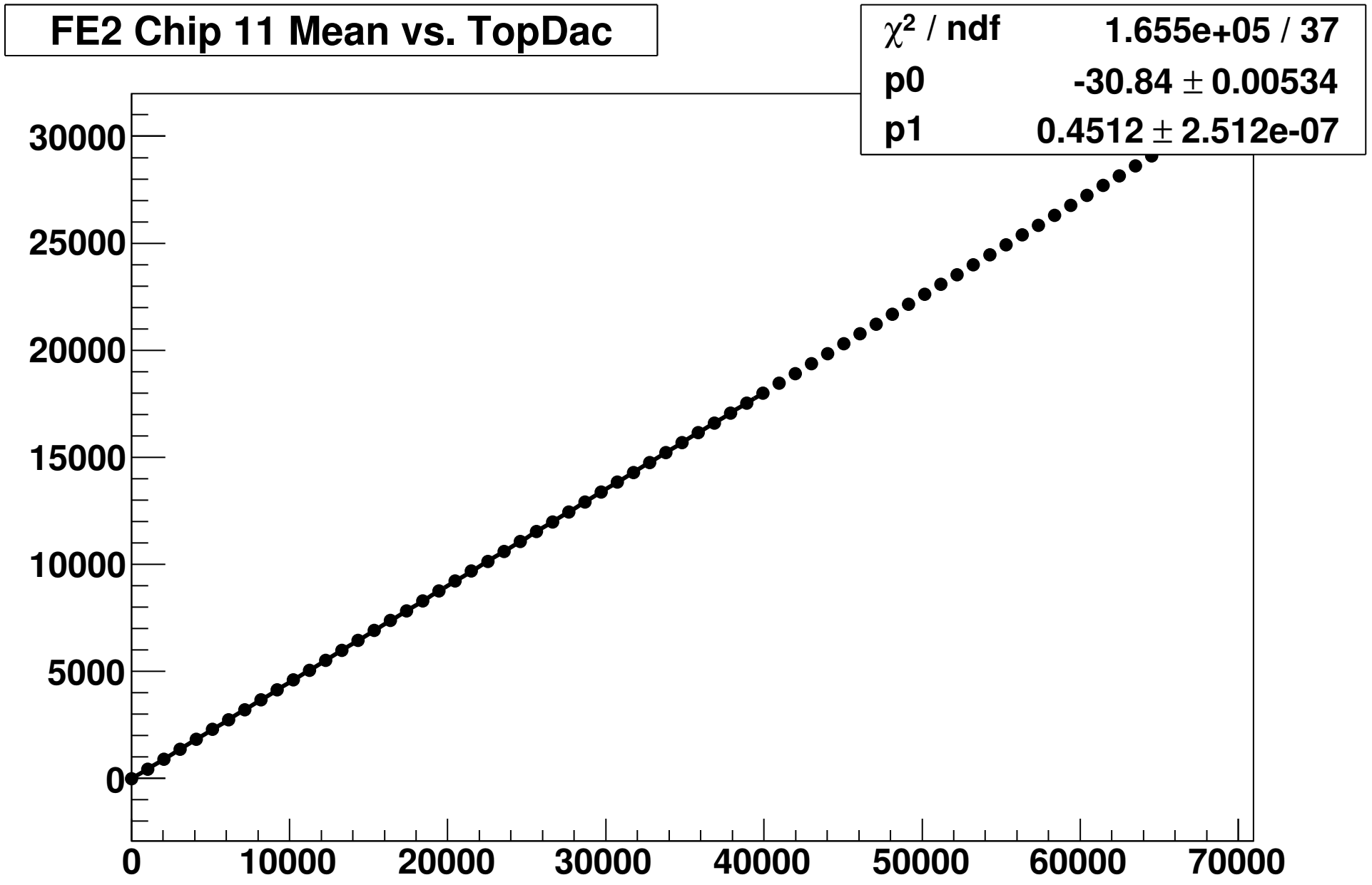
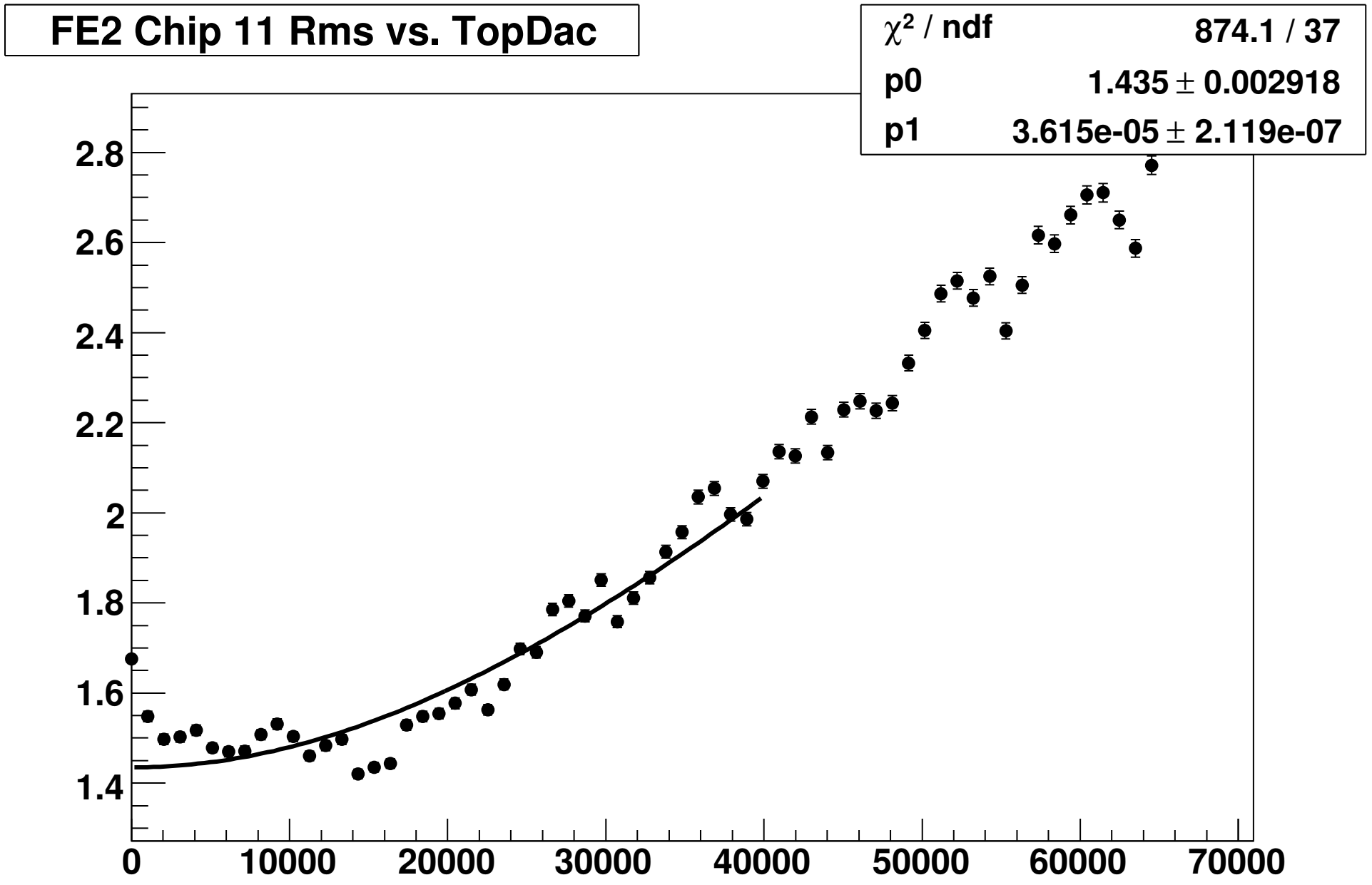
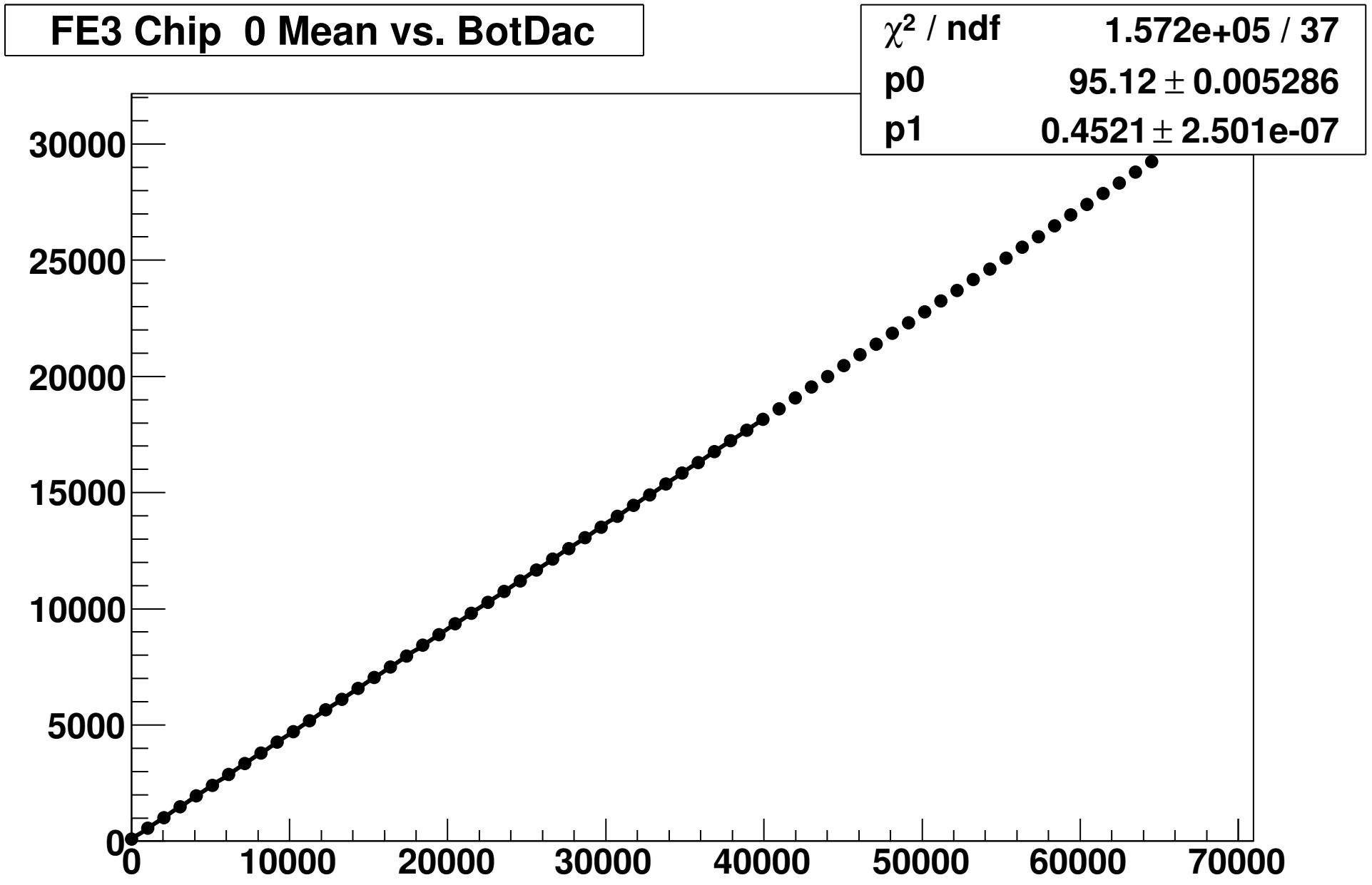
50000
60000
70000

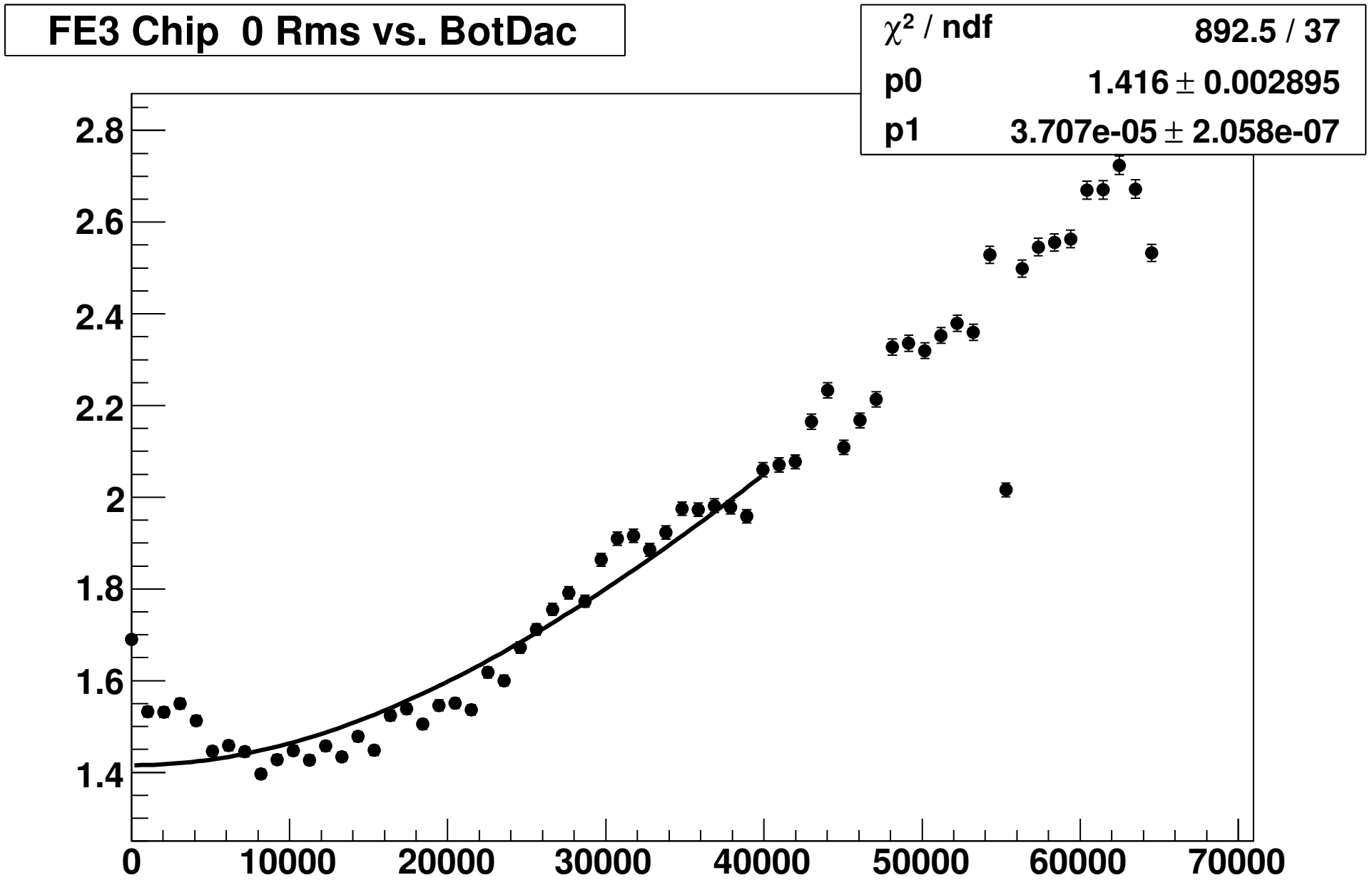

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 156.8 / 37
p0 -32.22 ± 0.005618
p1 -1.632e-07 ± 2.391e-07
-31.95
-32
-32.05
-32.1
-32.15
-32.2
-32.25
-32.3
0
10000
20000
30000
40000
50000
60000
70000

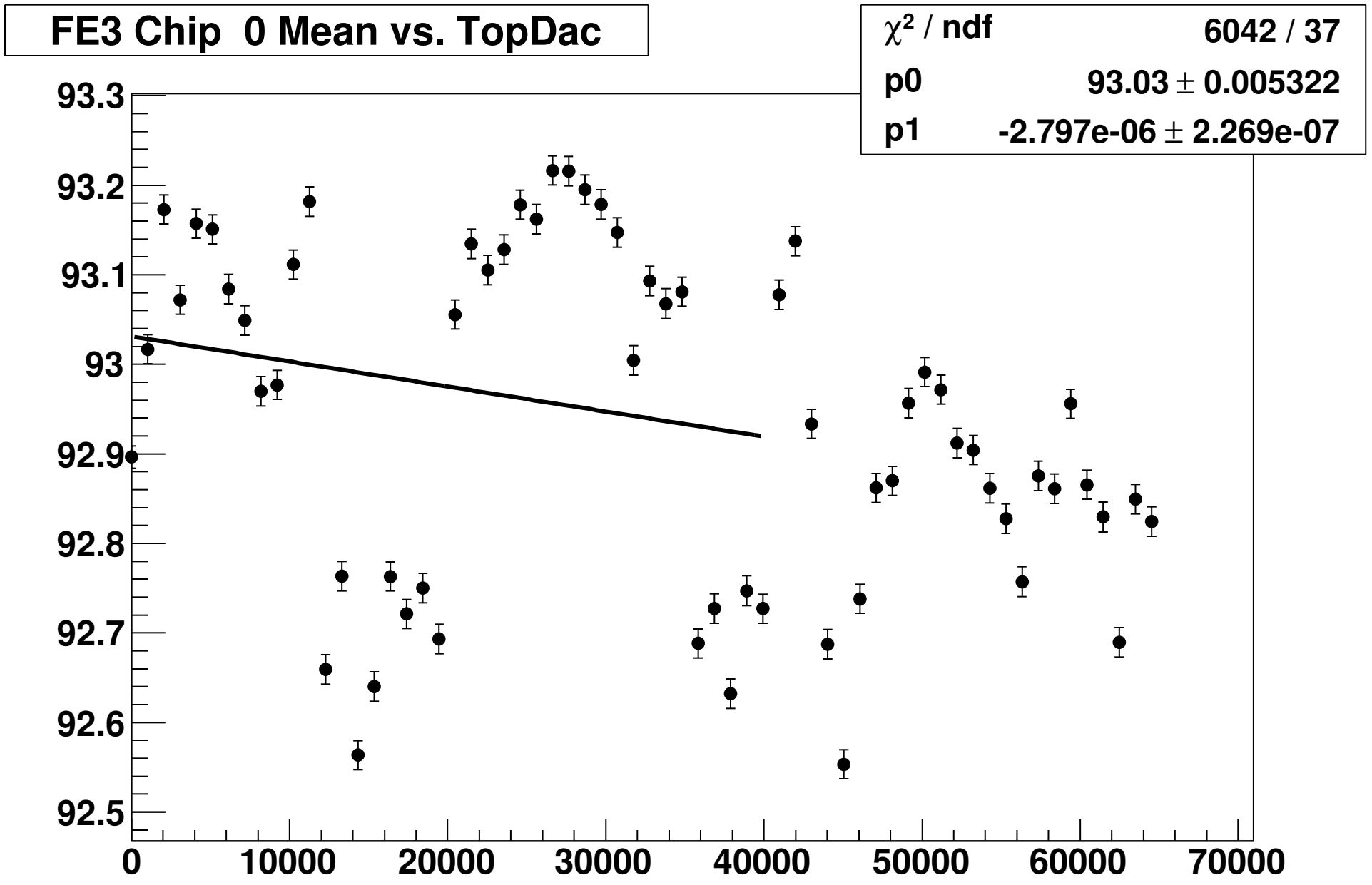

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 29.96 / 37
p0 1.631 ± 0.002911
p1 1.034e-06 ± 6.274e-06
1.69
1.68
1.67
1.66
1.65
1.64
1.63
1.62
1.61
1.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.655e+05 / 37
p0 -30.84 ± 0.00534
p1 0.4512 ± 2.512e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 874.1 / 37
p0 1.435 ± 0.002918
p1 3.615e-05 ± 2.119e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.572e+05 / 37
p0 95.12 ± 0.005286
p1 0.4521 ± 2.501e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 892.5 / 37
p0 1.416 ± 0.002895
p1 3.707e-05 ± 2.058e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 6042 / 37
p0 93.03 ± 0.005322
p1 -2.797e-06 ± 2.269e-07
93.3
93.2
93.1
93
92.9
92.8
92.7
92.6
92.5
0
10000
20000
30000
40000
50000
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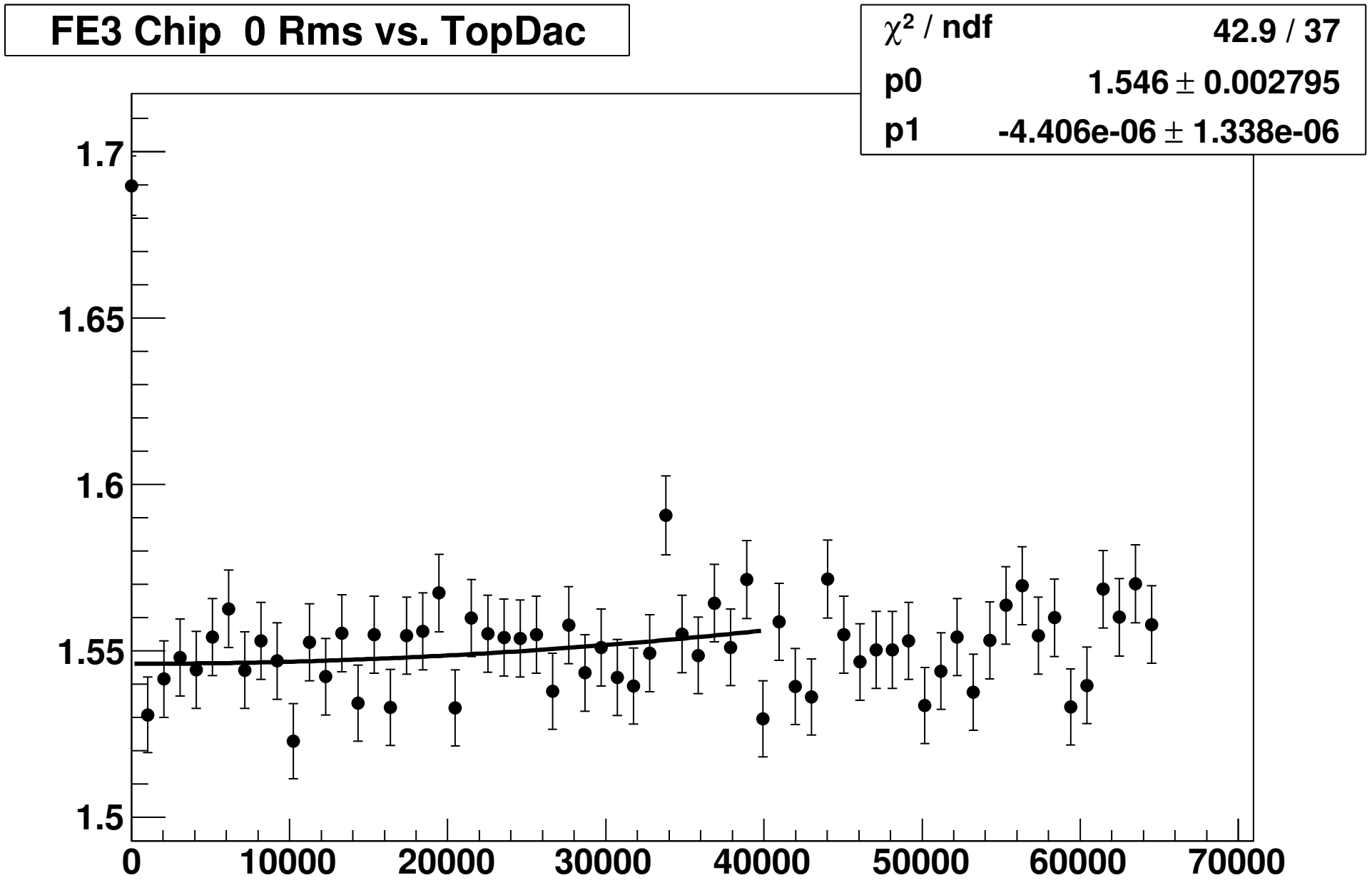
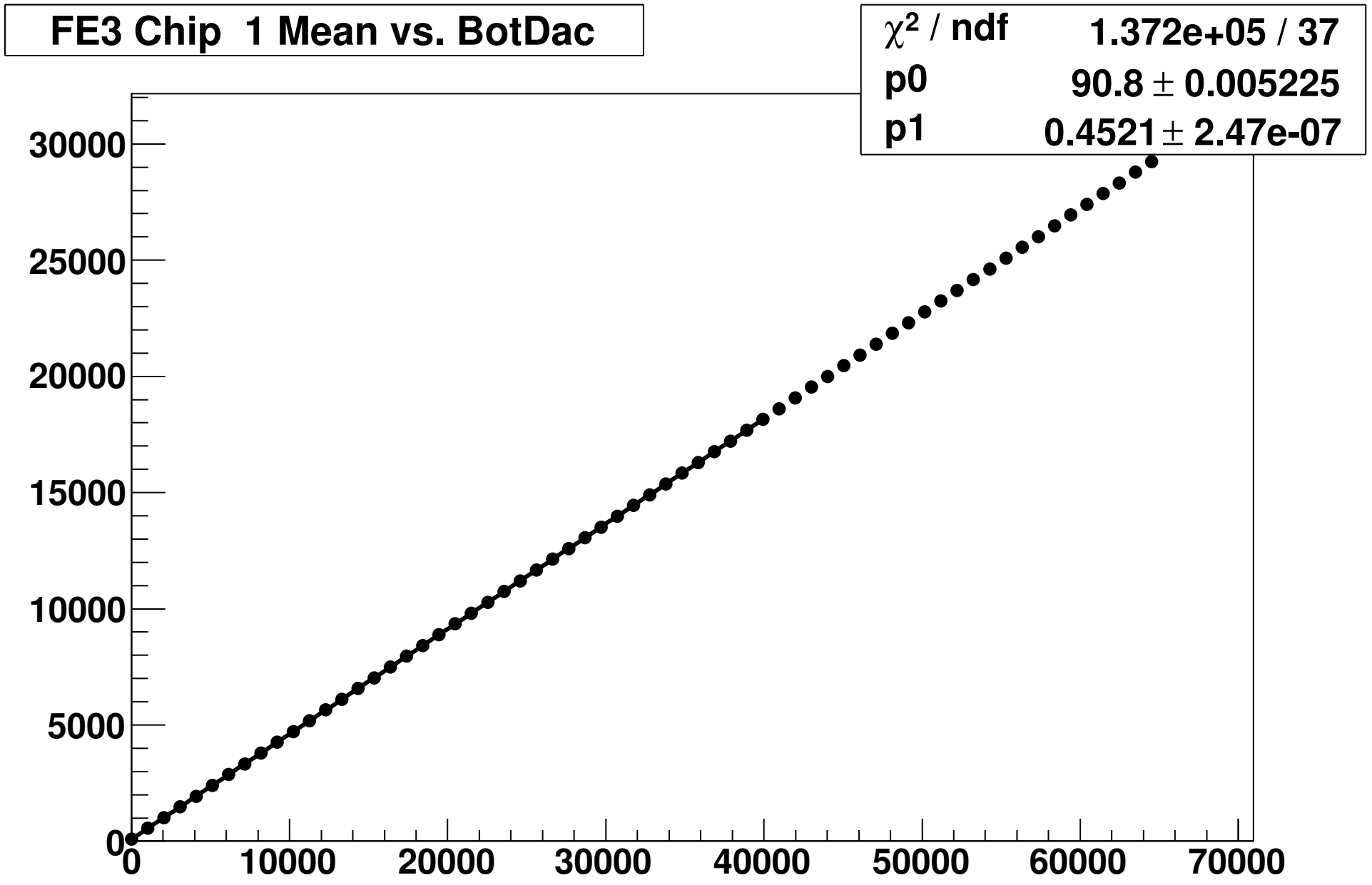
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 42.9 / 37
p0 1.546 ± 0.002795
p1 -4.406e-06 ± 1.338e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.372e+05 / 37
p0 90.8 ± 0.005225
p1 0.4521 ± 2.47e-07
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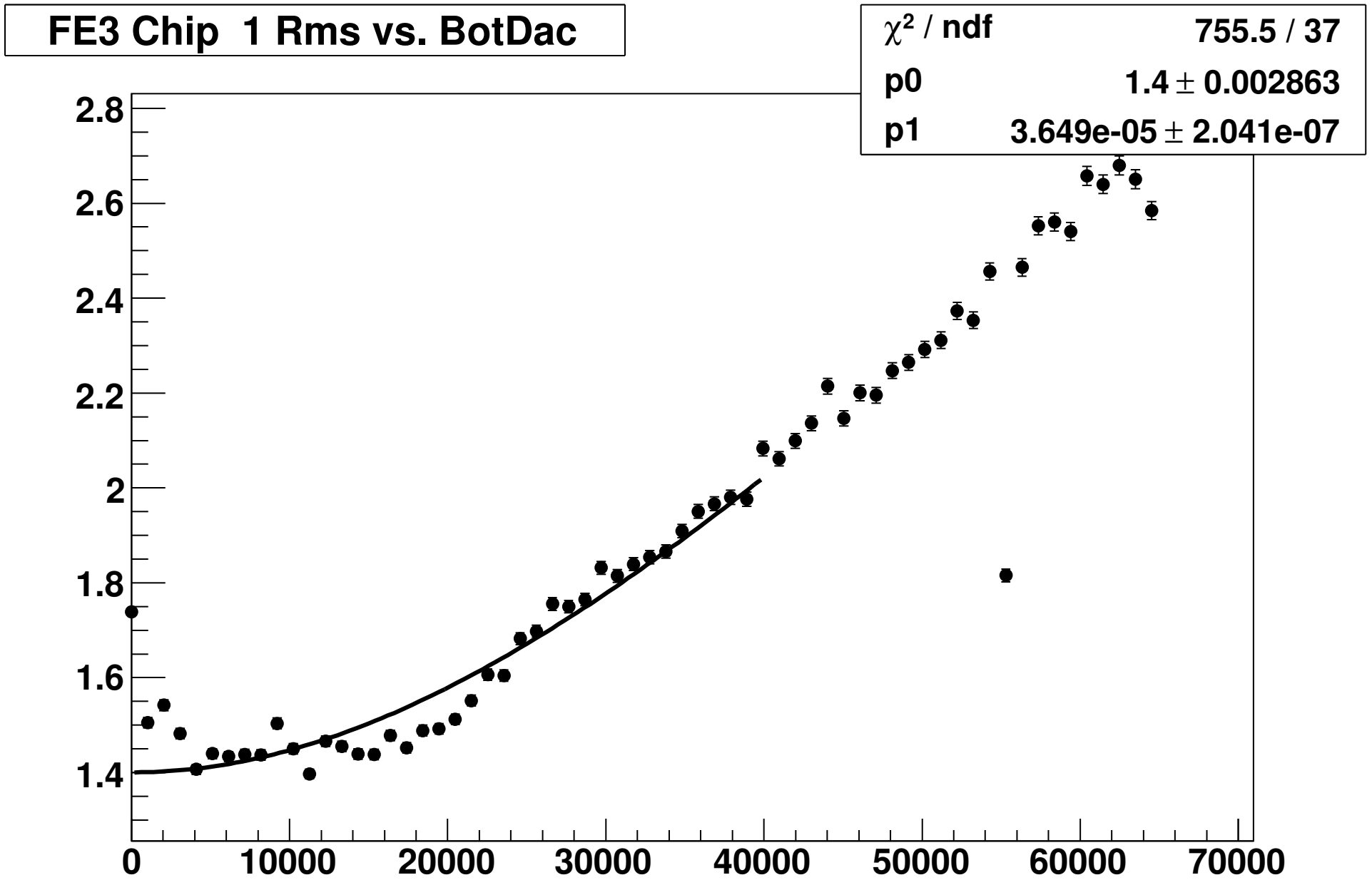
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 755.5 / 37
p0 1.4 ± 0.002863
p1 3.649e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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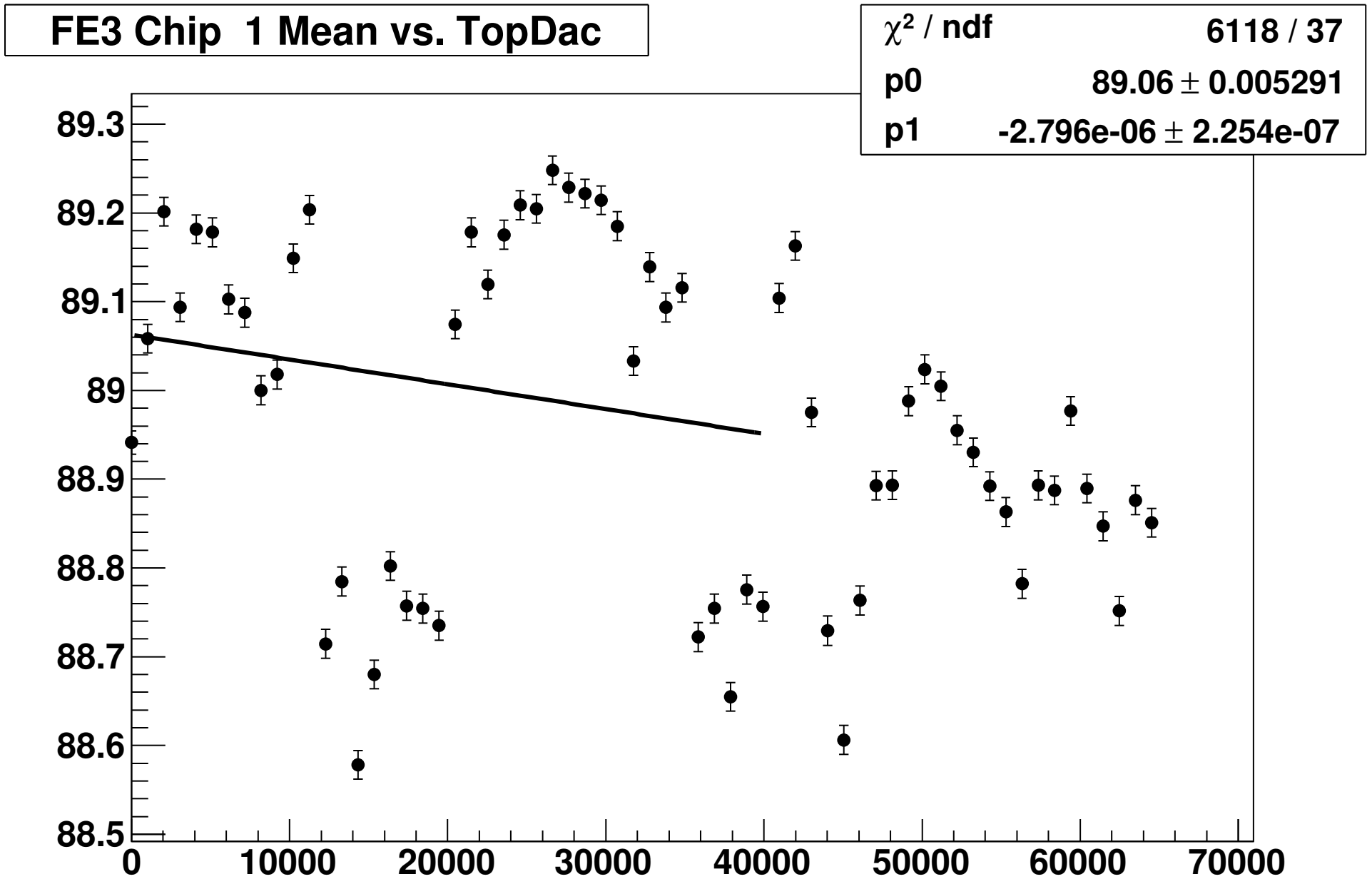
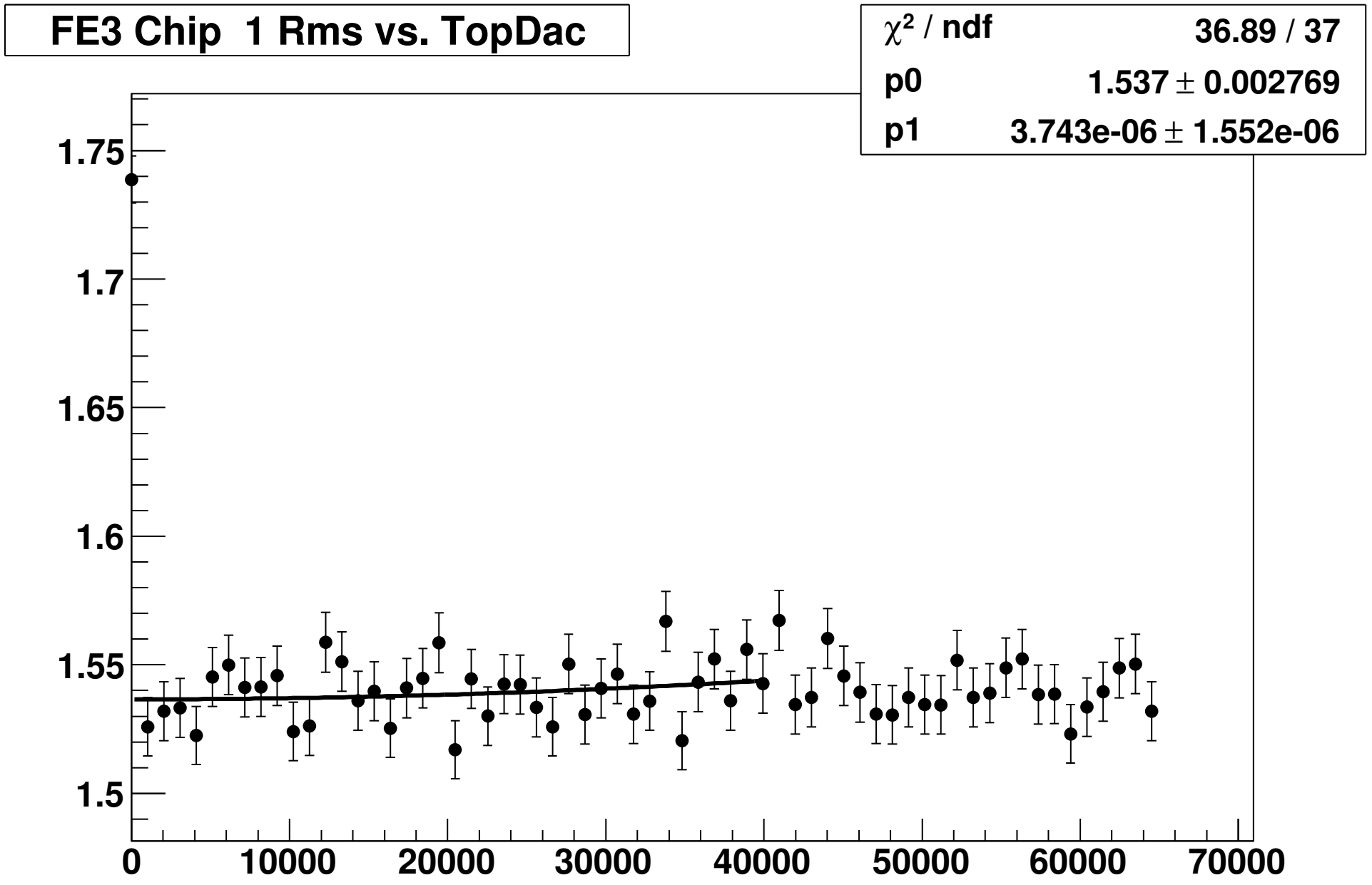

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 6118 / 37
p0 89.06 ± 0.005291
p1 -2.796e-06 ± 2.254e-07
89.3
89.2
89.1
89
88.9
88.8
88.7
88.6
88.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 36.89 / 37
p0 1.537 ± 0.002769
p1 3.743e-06 ± 1.552e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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60000
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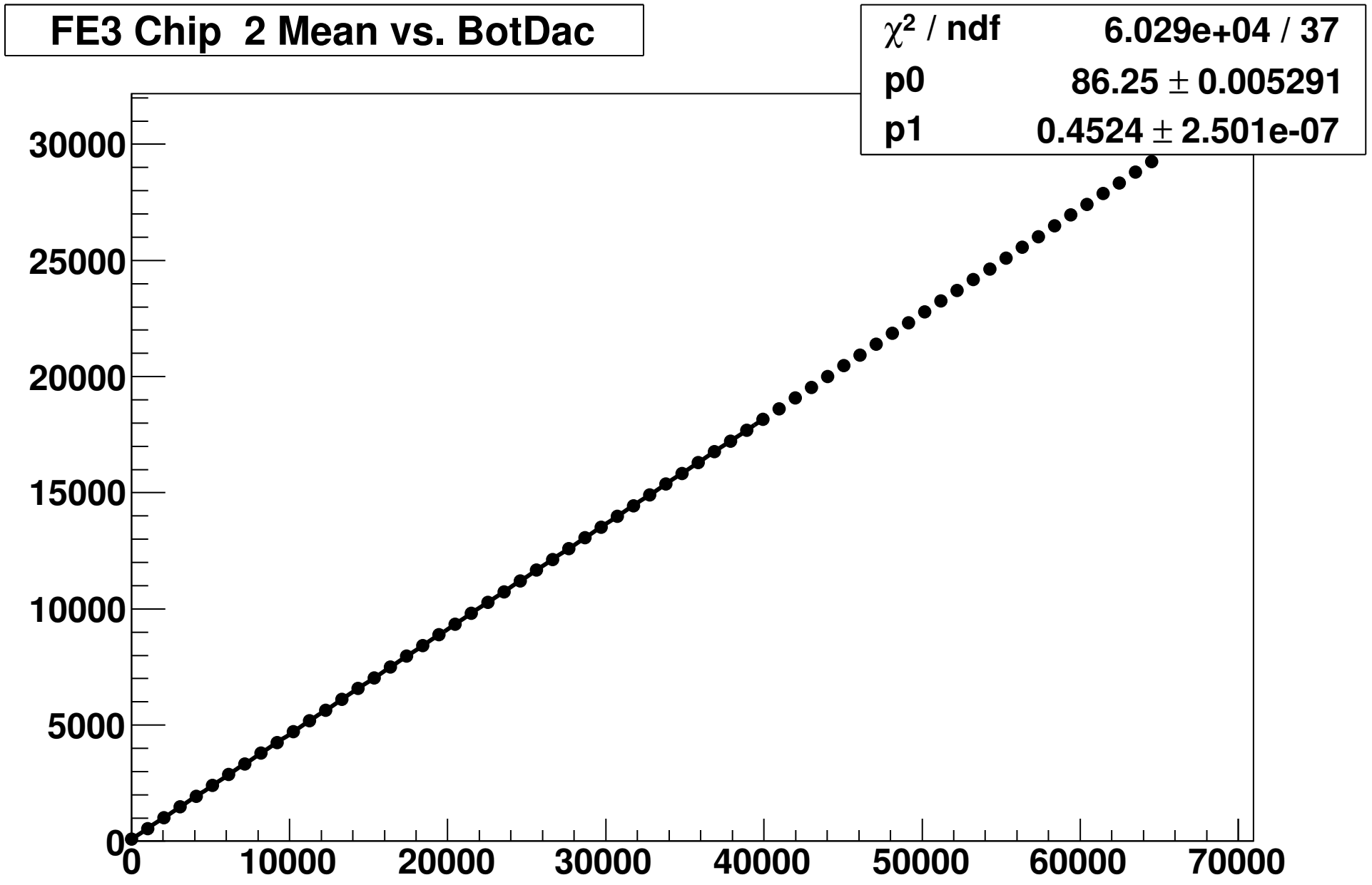
FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.029e+04 / 37
p0 86.25 ± 0.005291
p1 0.4524 ± 2.501e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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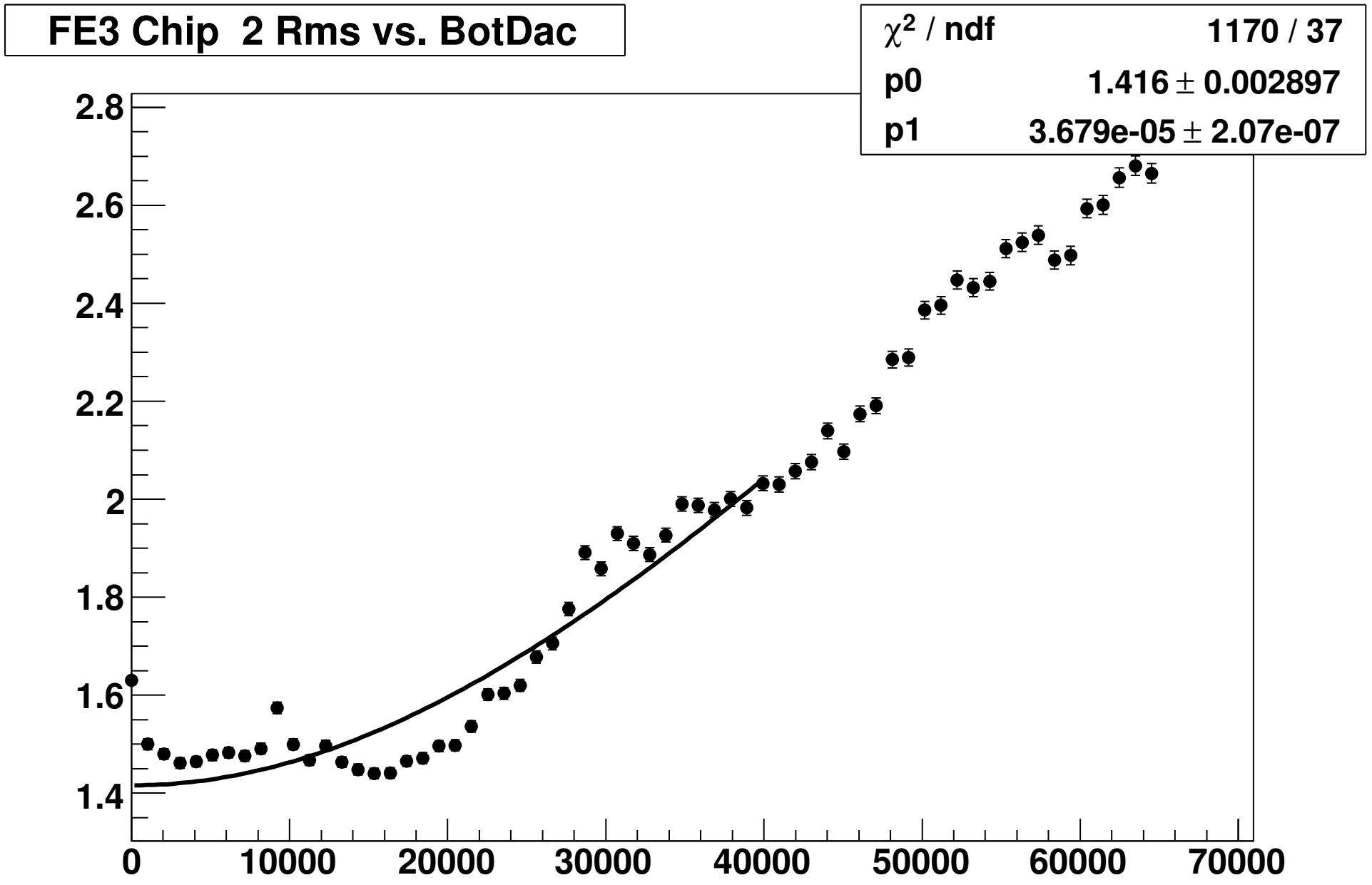
FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1170 / 37
p0 1.416 ± 0.002897
p1 3.679e-05 ± 2.07e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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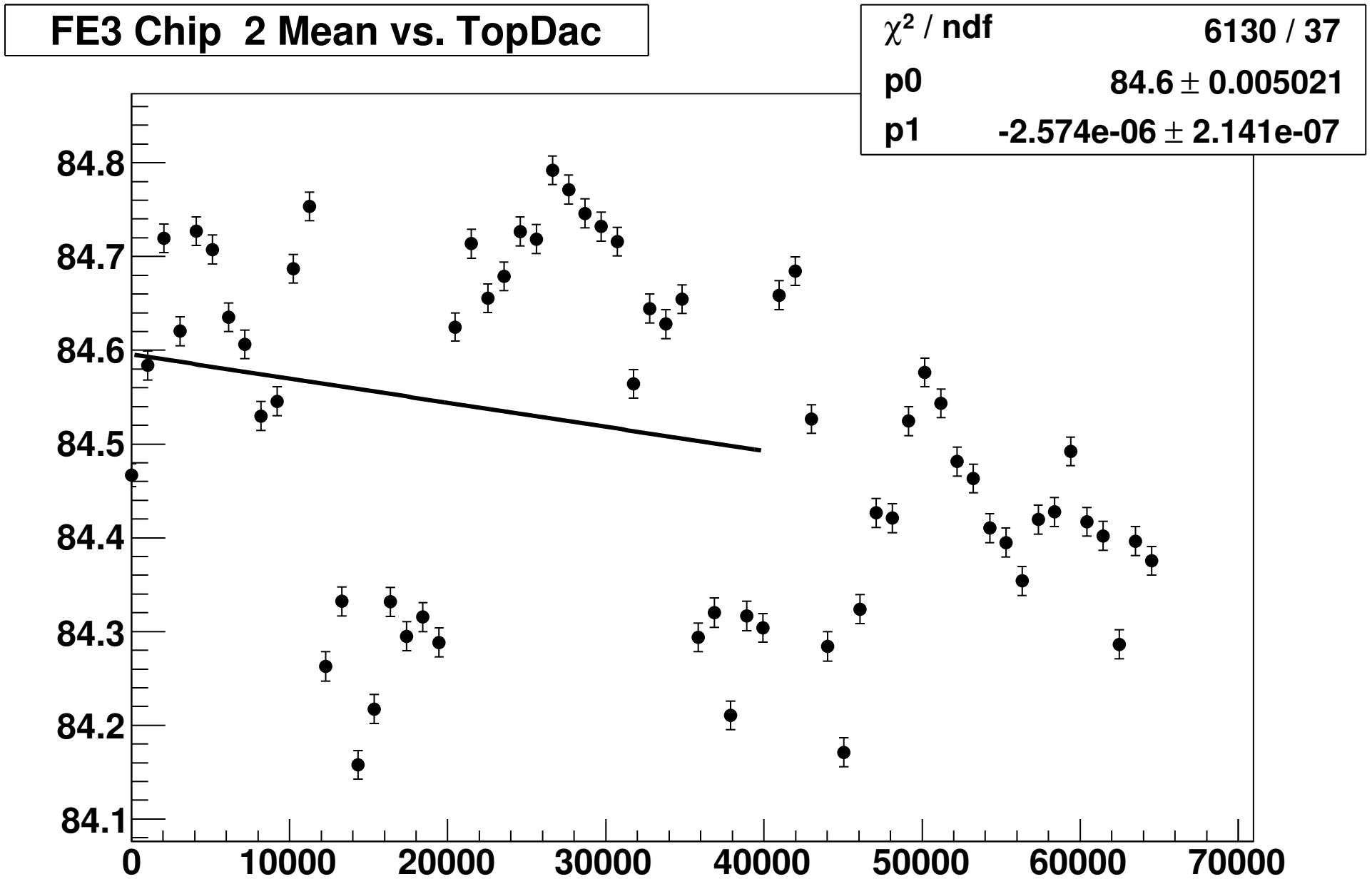
FE3 Chip 2 Mean vs. TopDac
χ² / ndf 6130 / 37
p0 84.6 ± 0.005021
p1 -2.574e-06 ± 2.141e-07
84.8
84.7
84.6
84.5
84.4
84.3
84.2
84.1
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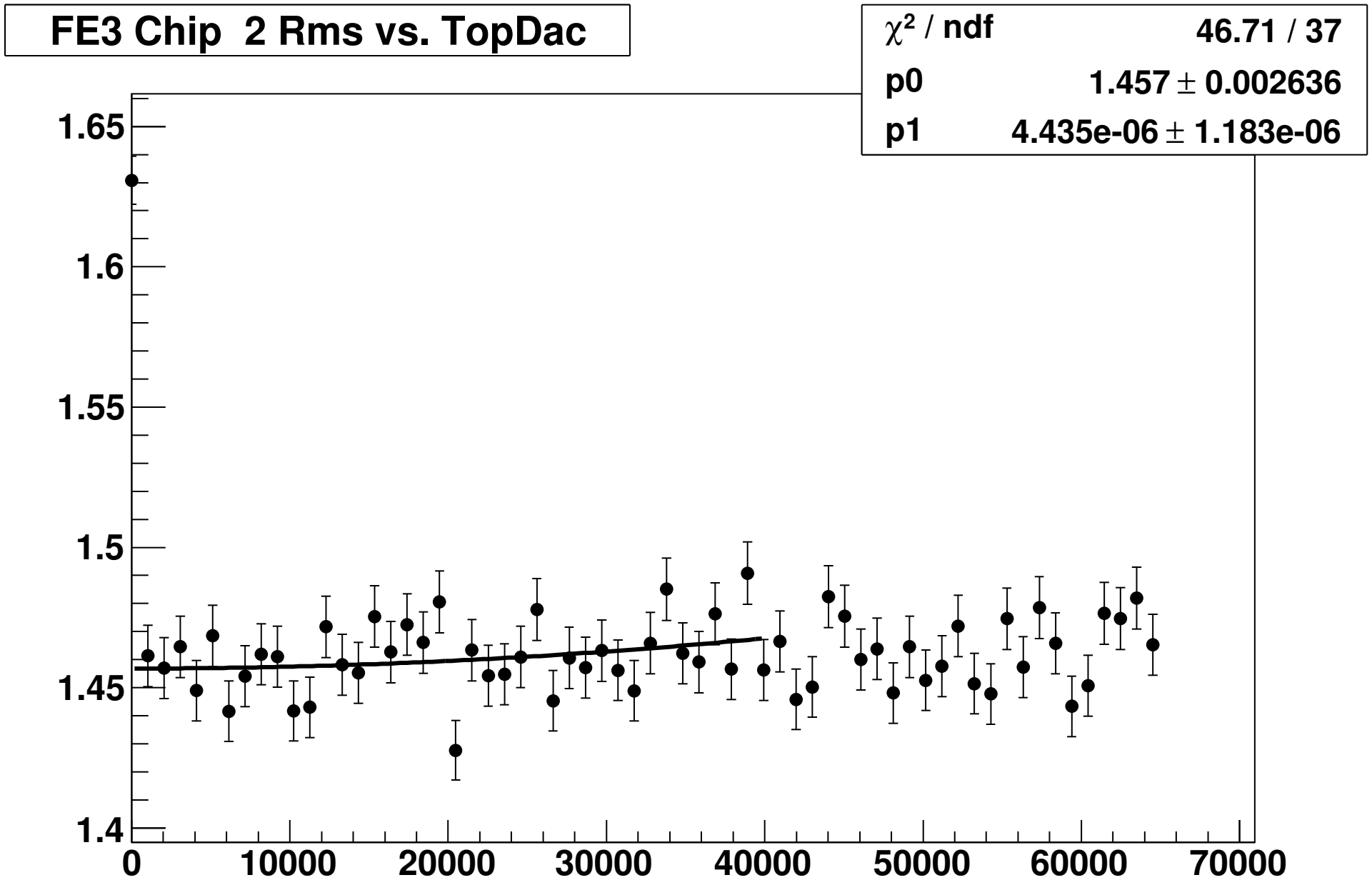
FE3 Chip 2 Rms vs. TopDac
χ² / ndf 46.71 / 37
p0 1.457 ± 0.002636
p1 4.435e-06 ± 1.183e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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60000
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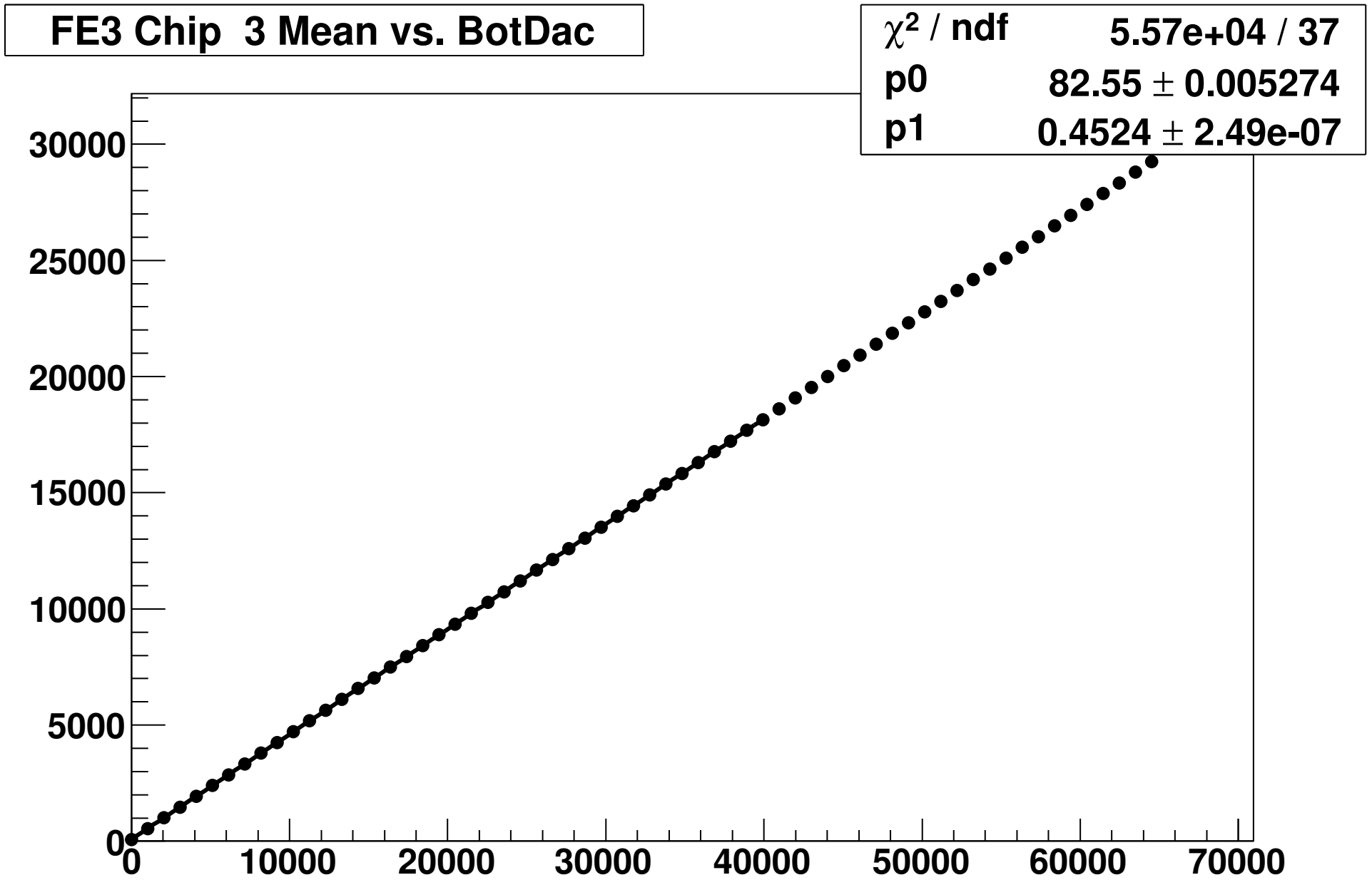
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 5.57e+04 / 37
p0 82.55 ± 0.005274
p1 0.4524 ± 2.49e-07
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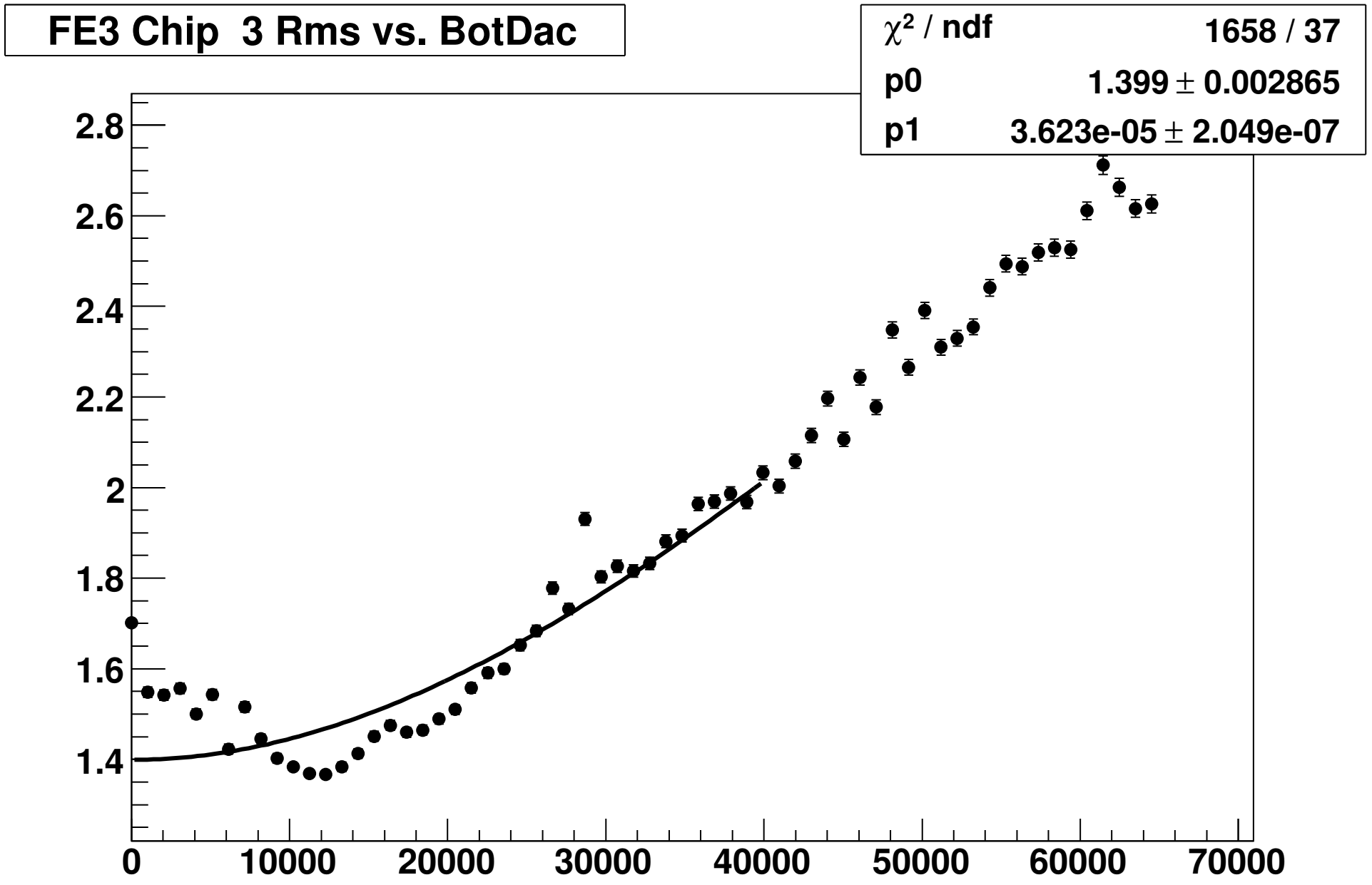
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1658 / 37
p0 1.399 ± 0.002865
p1 3.623e-05 ± 2.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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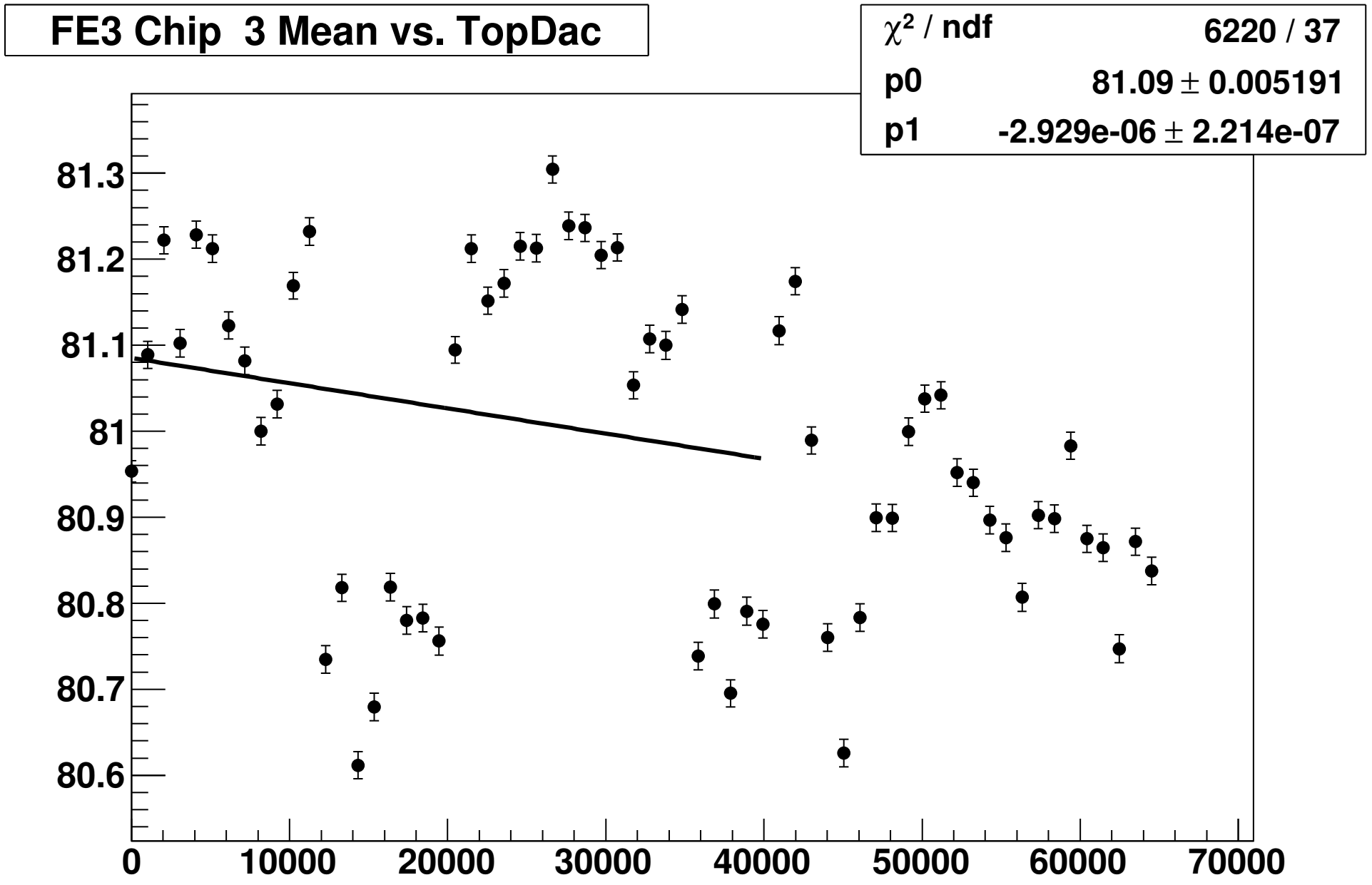
FE3 Chip 3 Mean vs. TopDac
χ² / ndf 6220 / 37
p0 81.09 ± 0.005191
p1 -2.929e-06 ± 2.214e-07
81.3
81.2
81.1
81
80.9
80.8
80.7
80.6
0
10000
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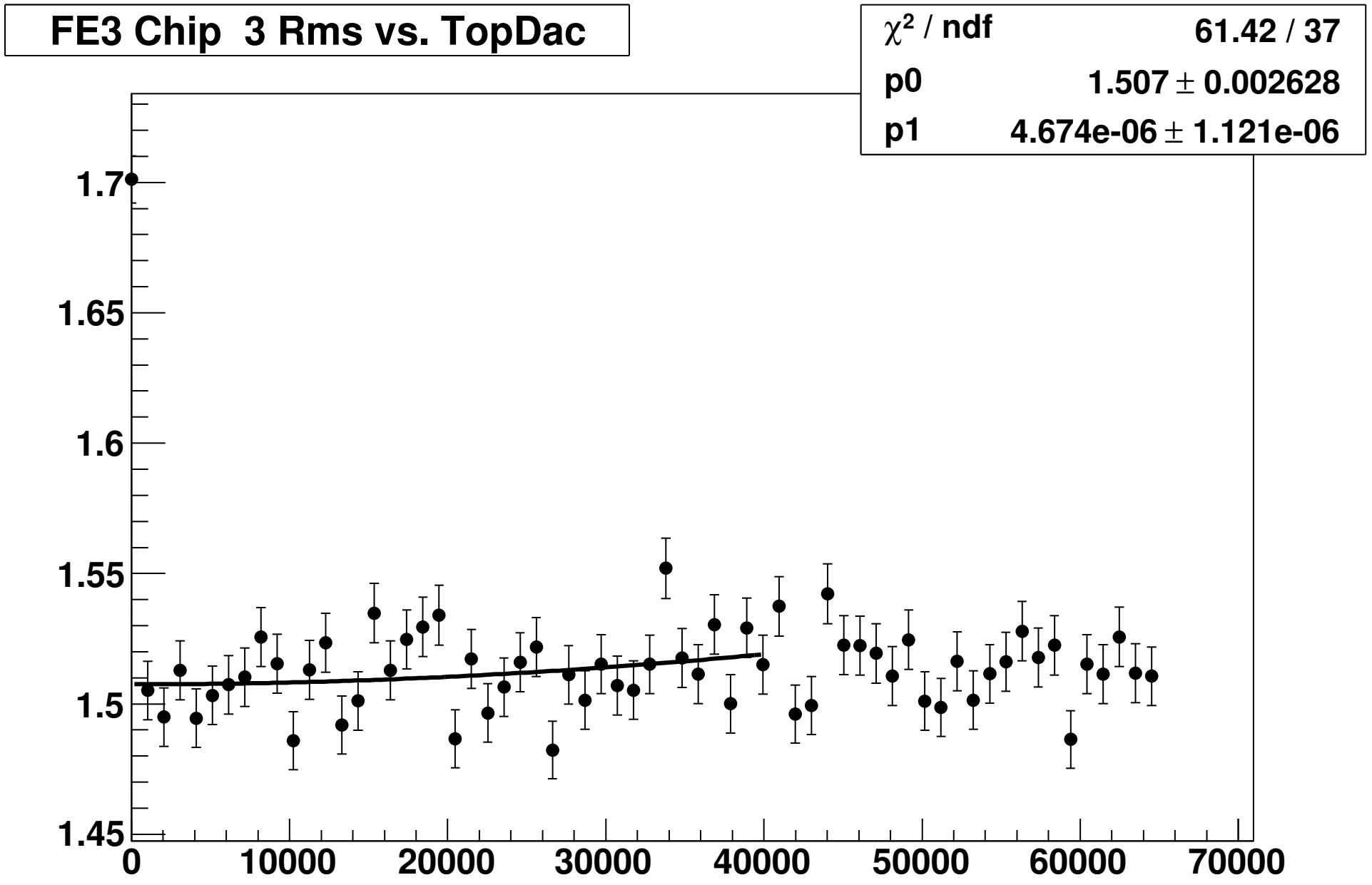
FE3 Chip 3 Rms vs. TopDac
χ² / ndf 61.42 / 37
p0 1.507 ± 0.002628
p1 4.674e-06 ± 1.121e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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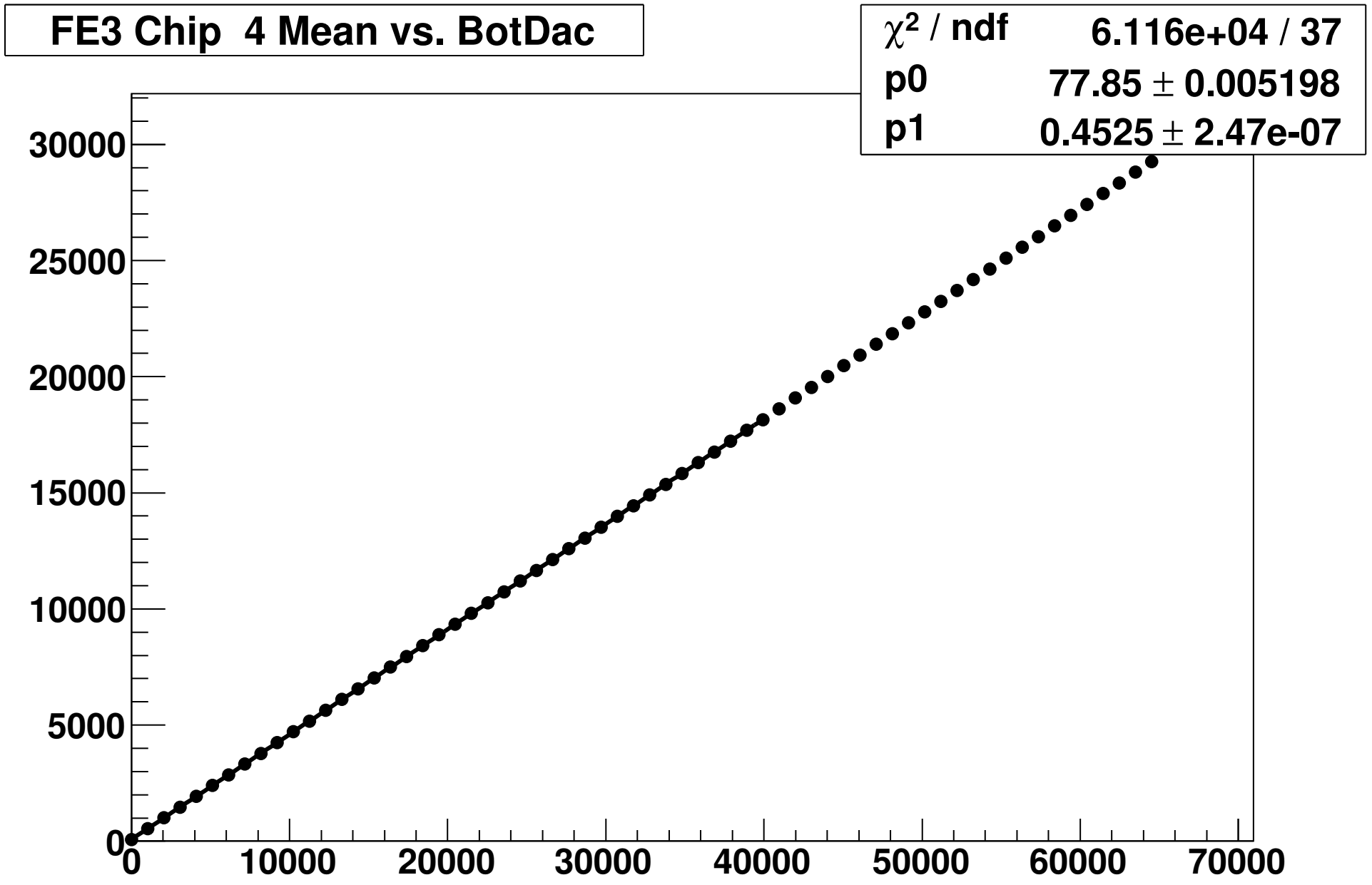
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 6.116e+04 / 37
p0 77.85 ± 0.005198
p1 0.4525 ± 2.47e-07
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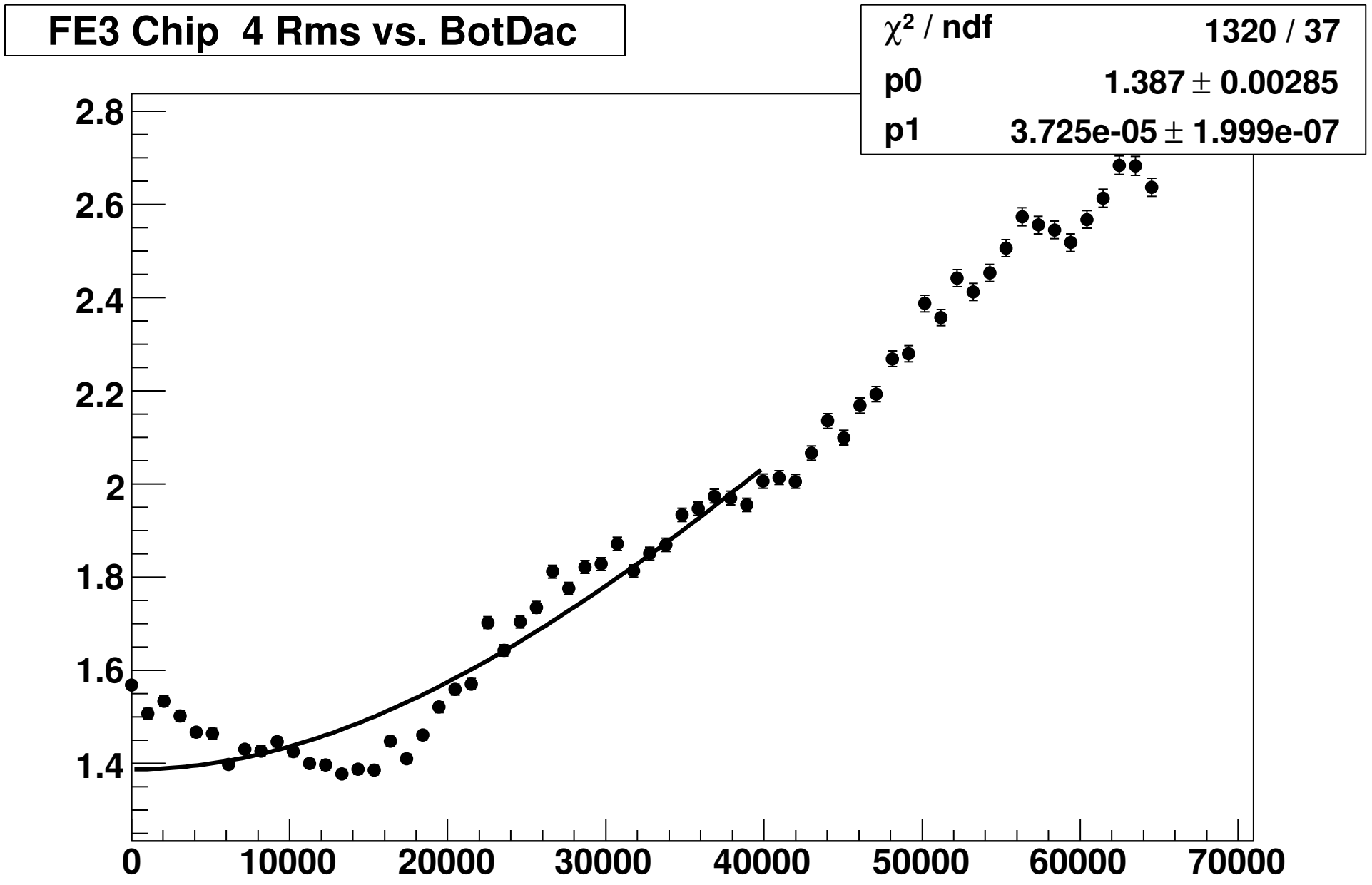
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1320 / 37
p0 1.387 ± 0.00285
p1 3.725e-05 ± 1.999e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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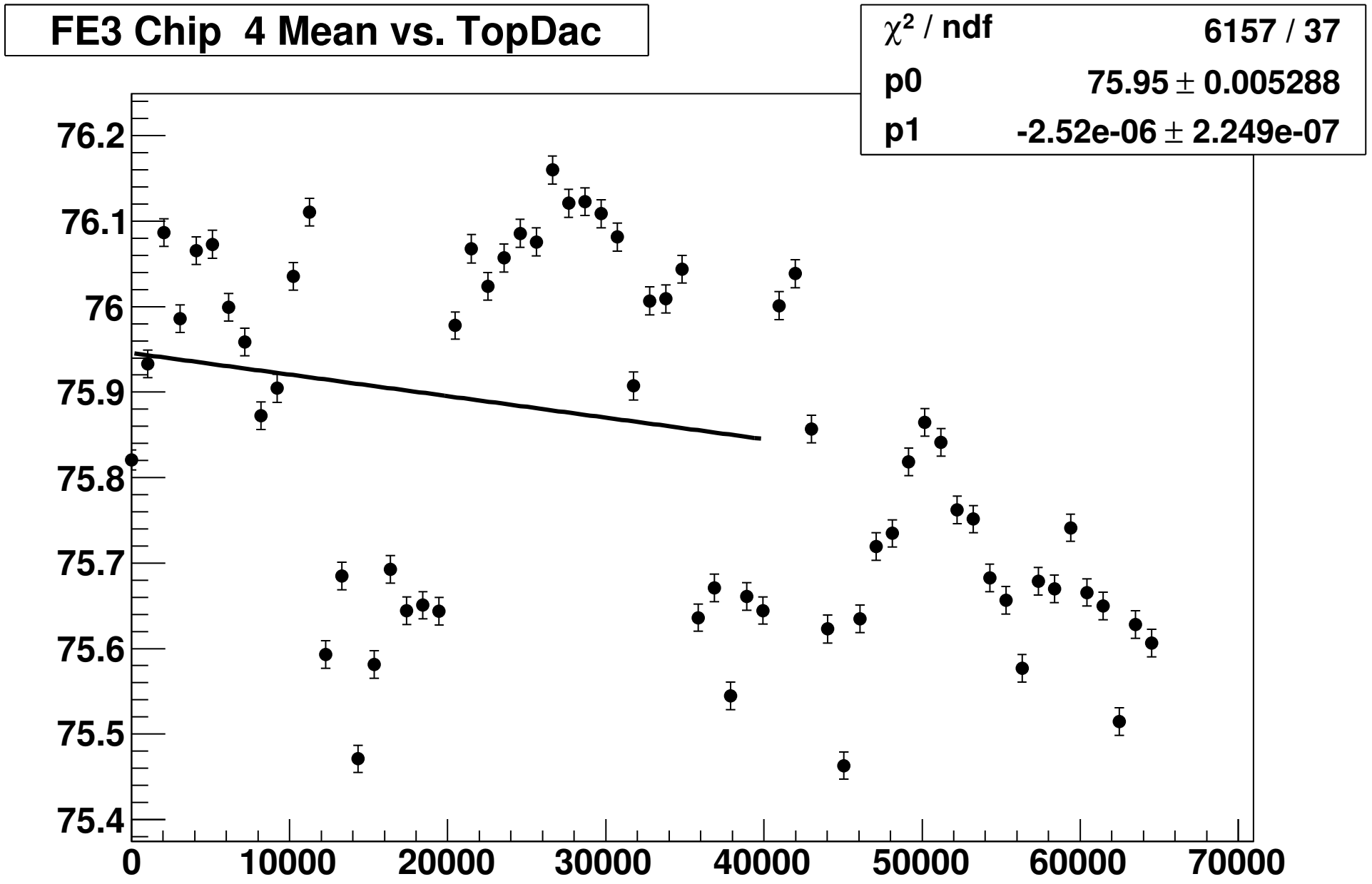
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 6157 / 37
p0 75.95 ± 0.005288
p1 -2.52e-06 ± 2.249e-07
76.2
76.1
76
75.9
75.8
75.7
75.6
75.5
75.4
0
10000
20000
30000
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50000
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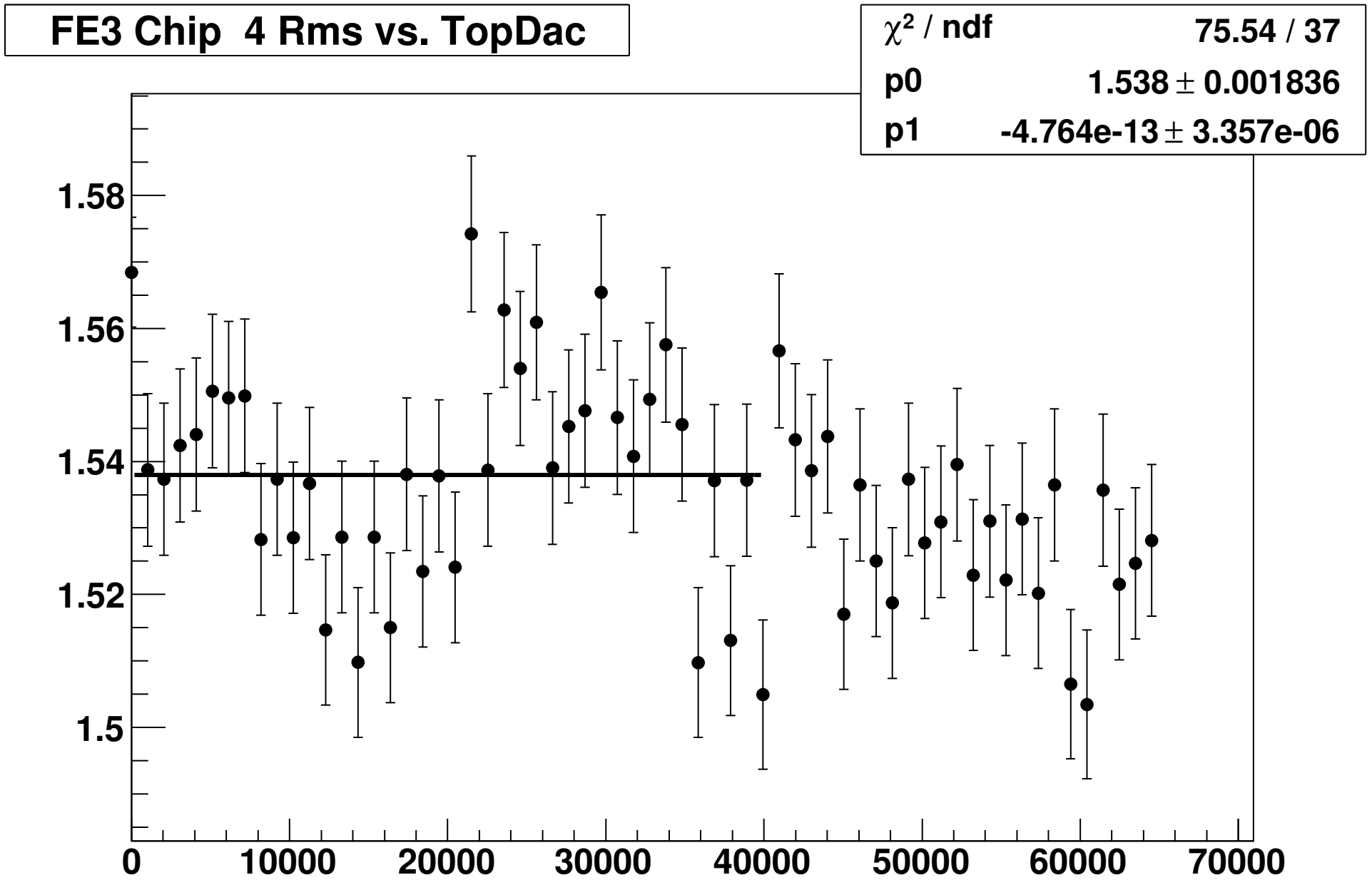
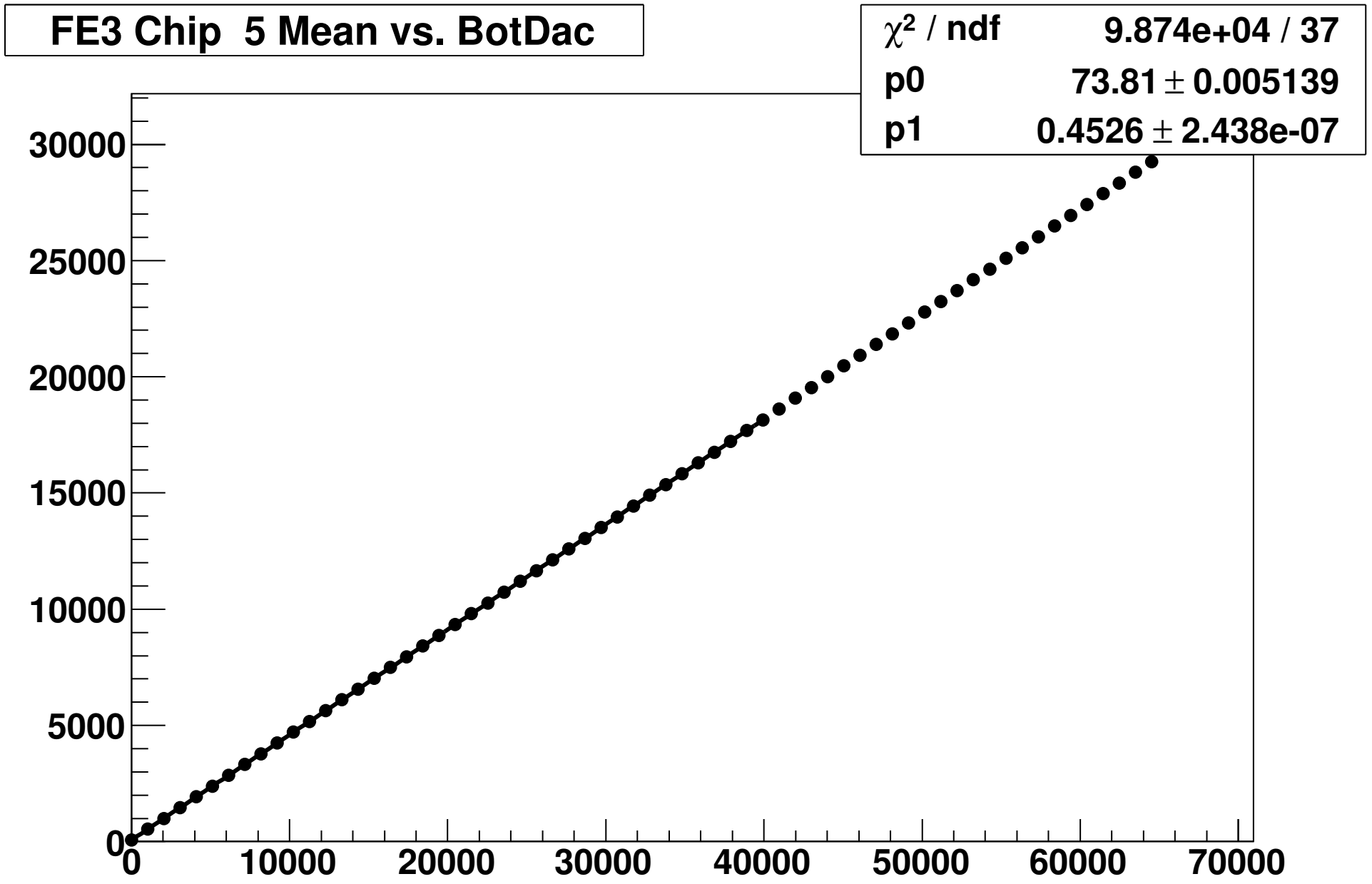

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 75.54 / 37
p0 1.538 ± 0.001836
p1 -4.764e-13 ± 3.357e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 9.874e+04 / 37
p0 73.81 ± 0.005139
p1 0.4526 ± 2.438e-07
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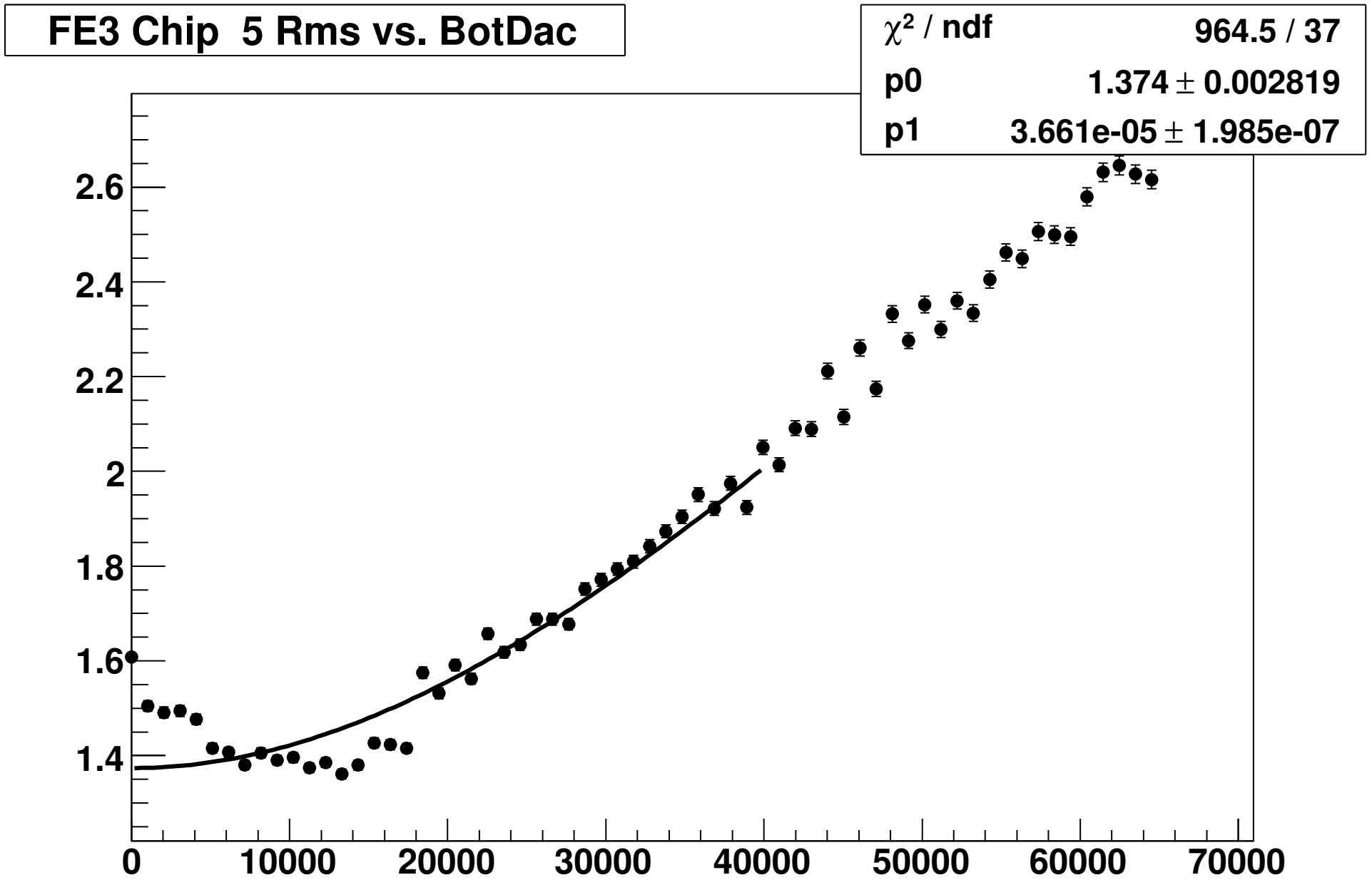
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 964.5 / 37
p0 1.374 ± 0.002819
p1 3.661e-05 ± 1.985e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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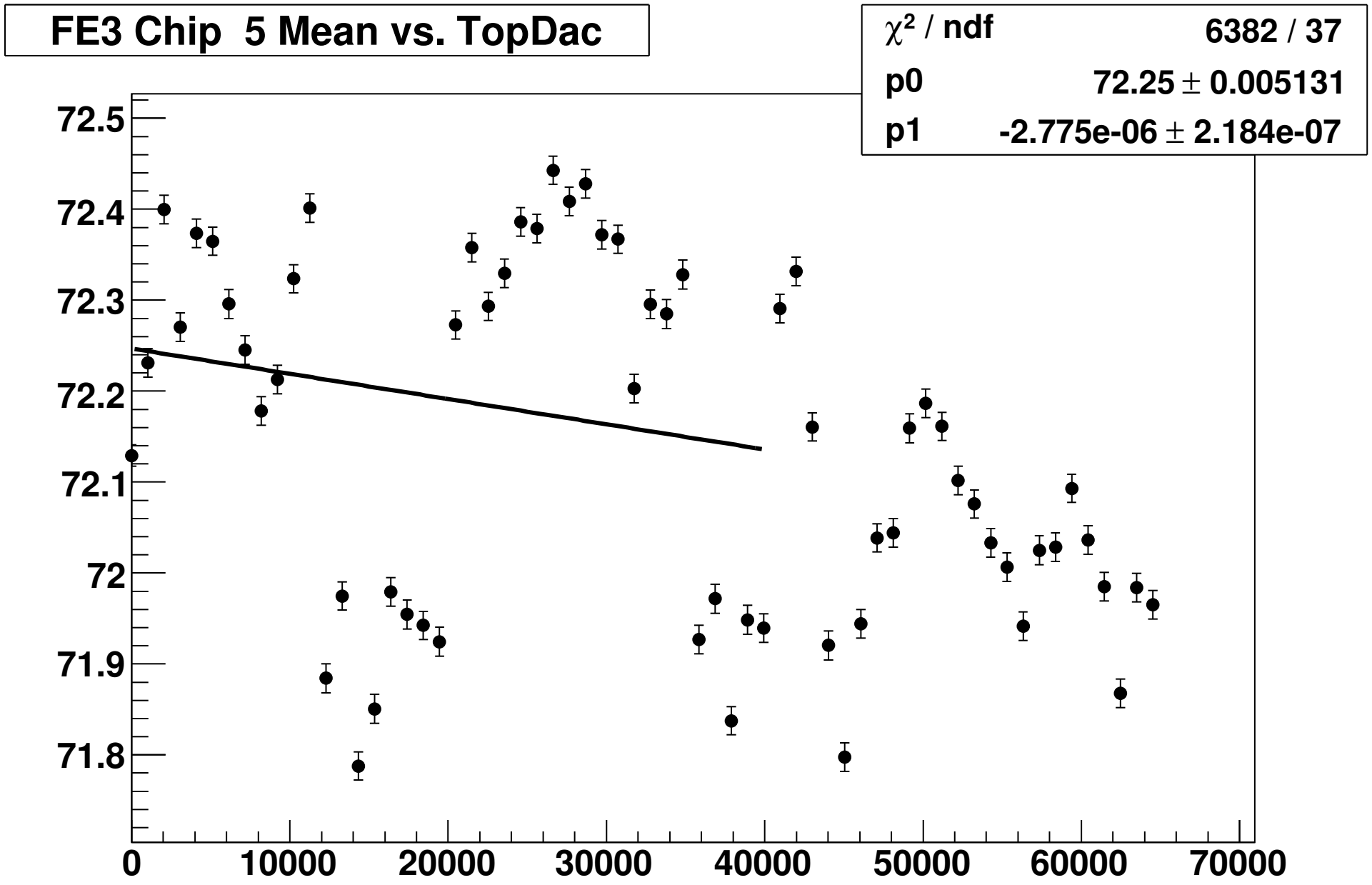
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 6382 / 37
p0 72.25 ± 0.005131
p1 -2.775e-06 ± 2.184e-07
72.5
72.4
72.3
72.2
72.1
72
71.9
71.8
0
10000
20000
30000
40000
50000
60000
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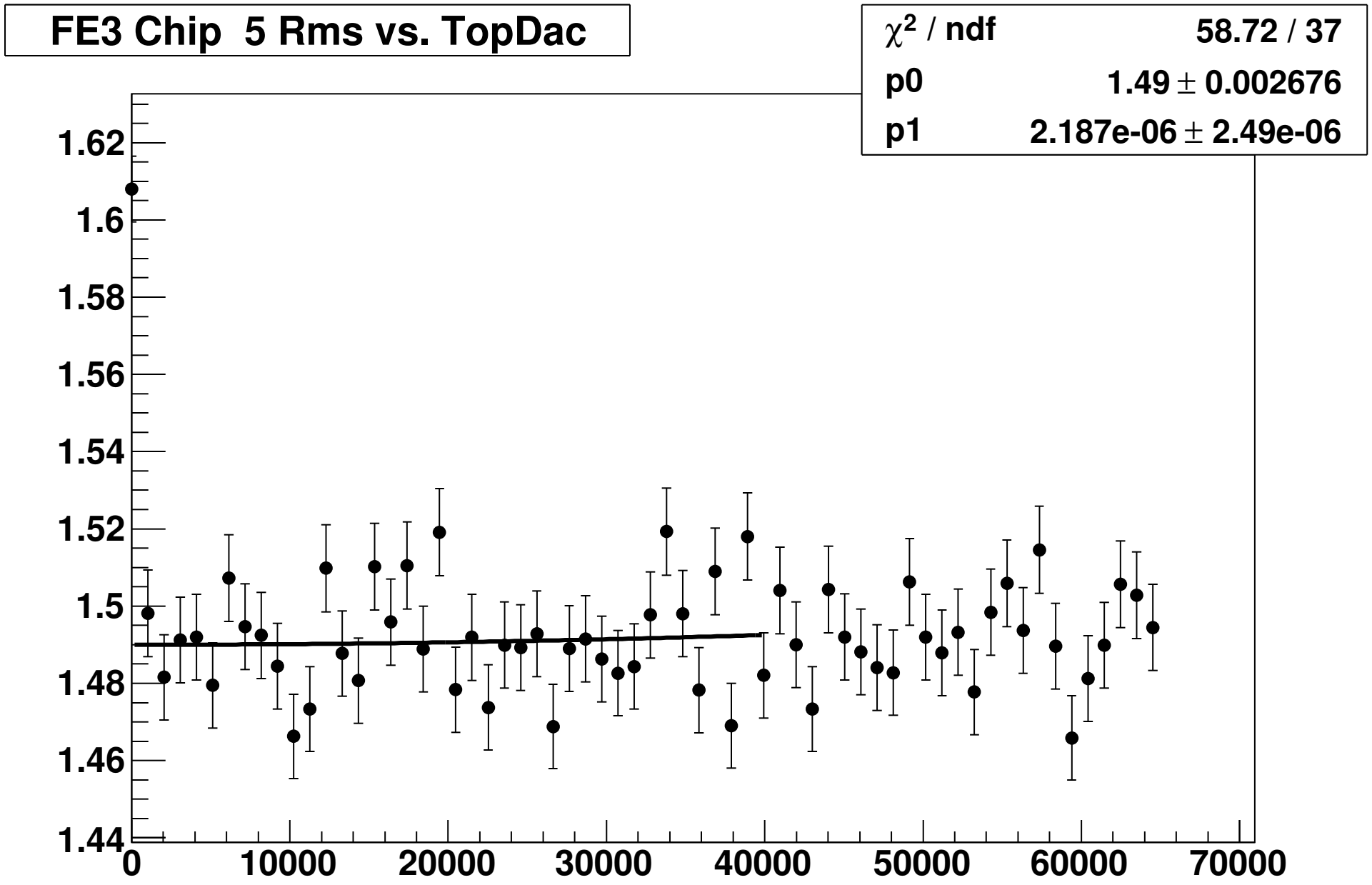
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 58.72 / 37
p0 1.49 ± 0.002676
p1 2.187e-06 ± 2.49e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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60000
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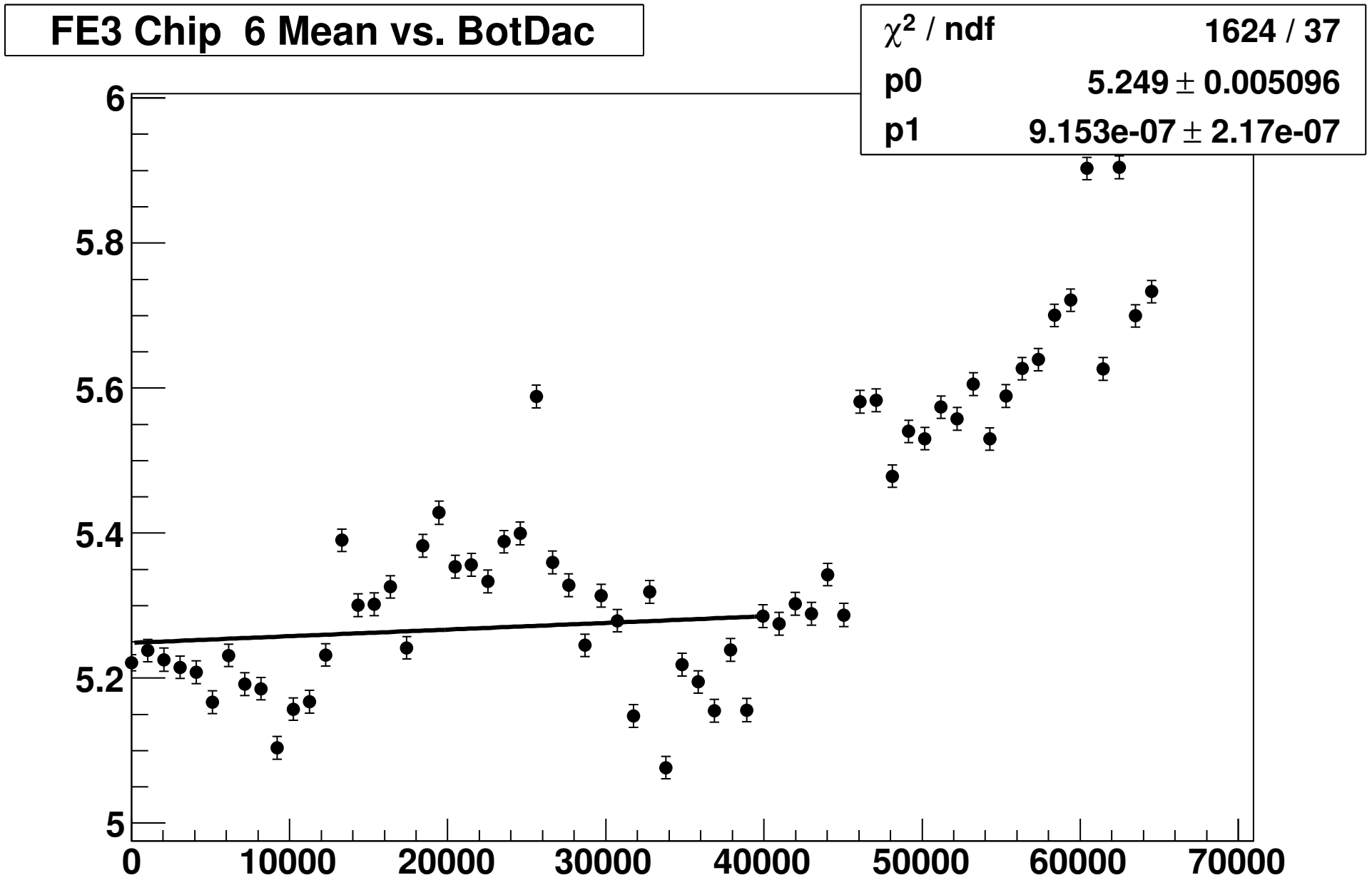
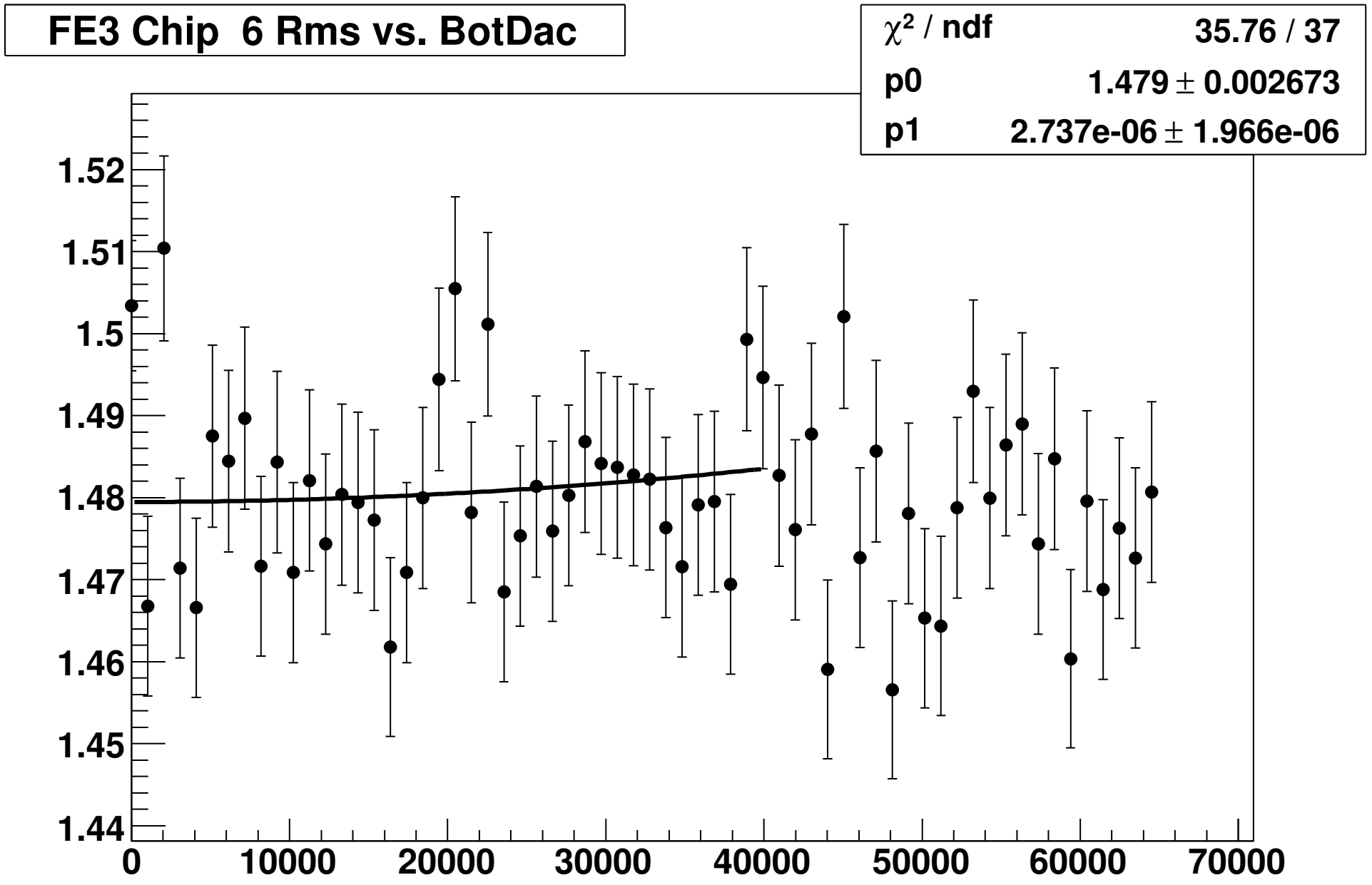
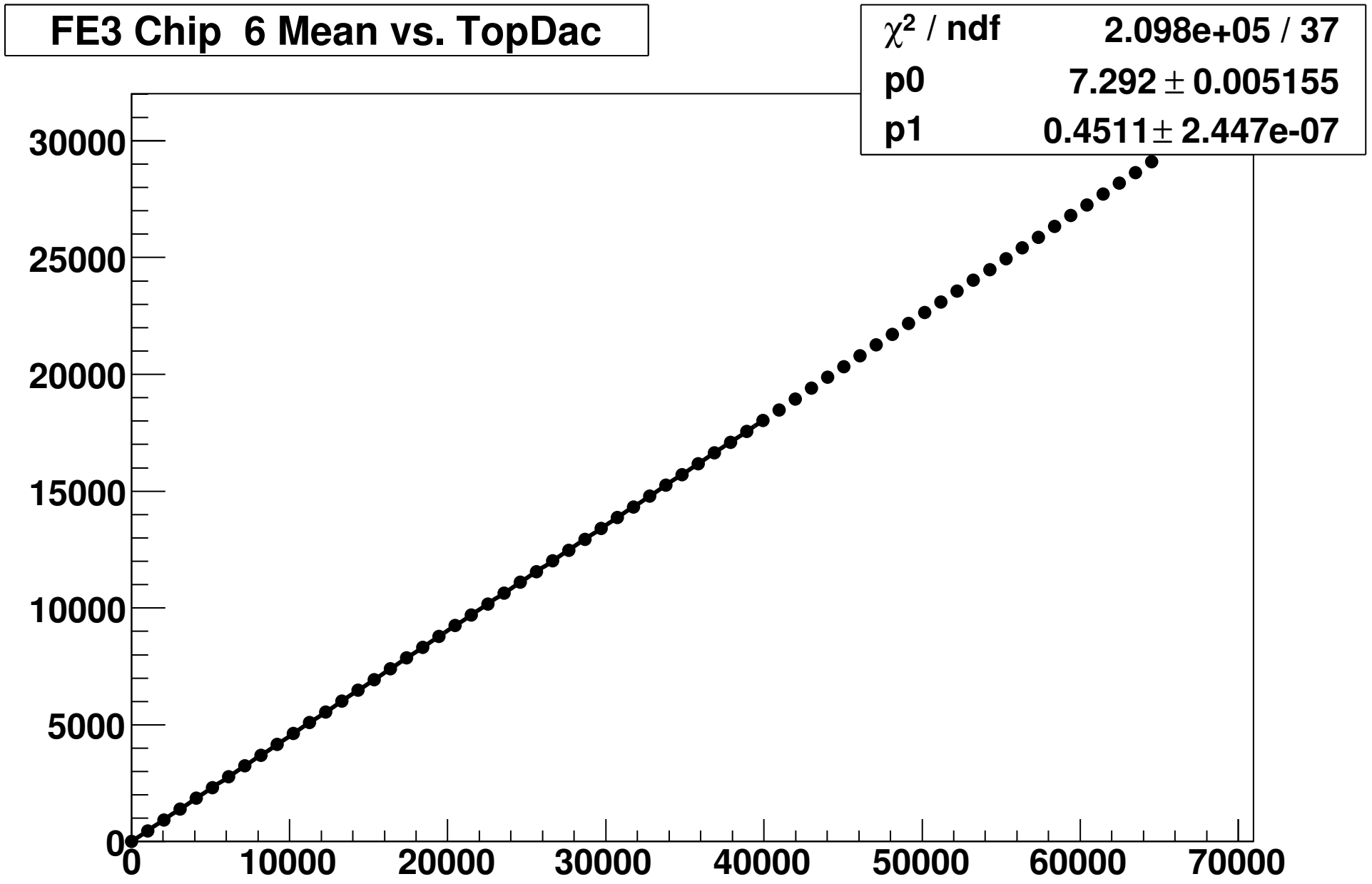
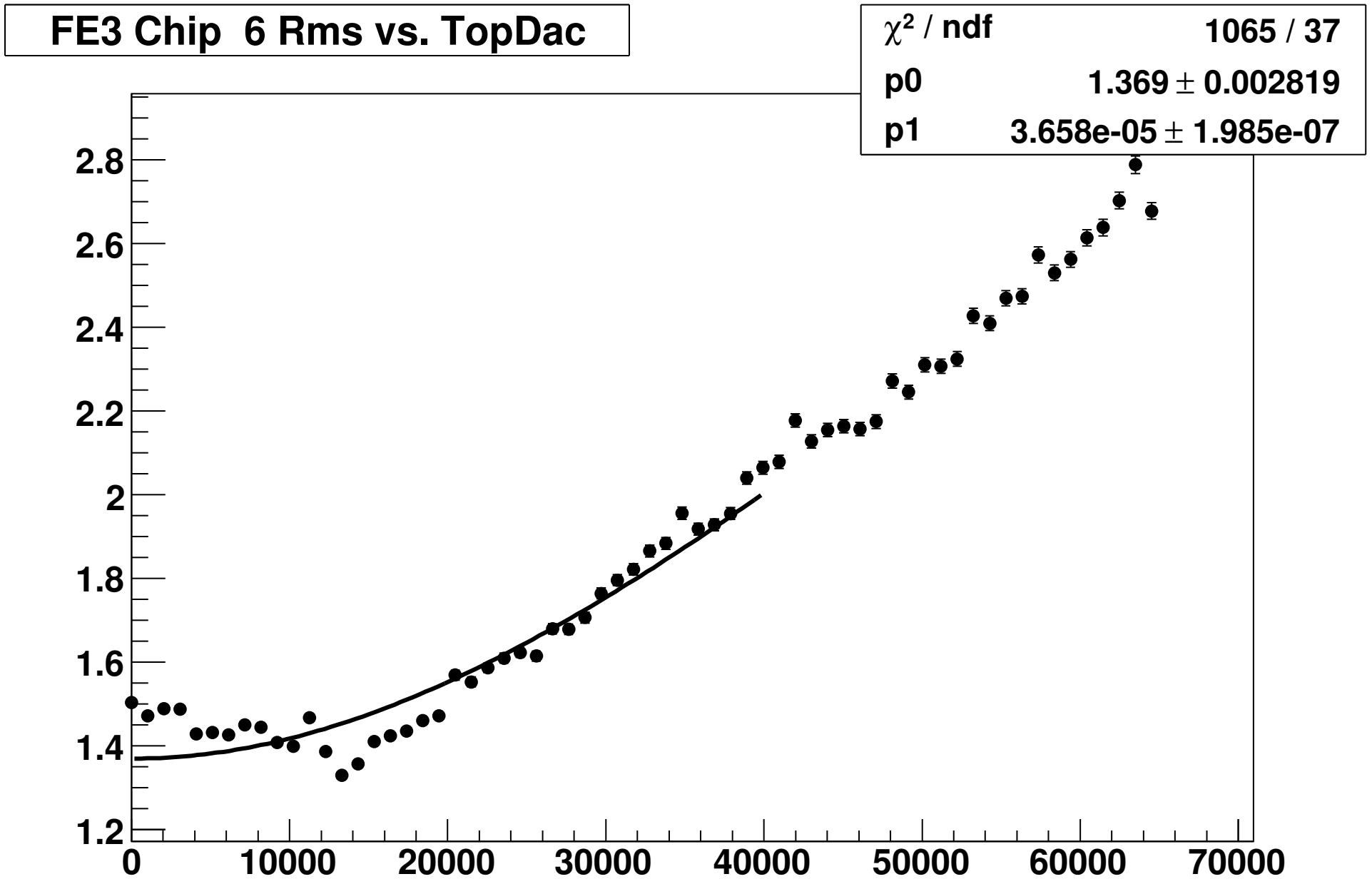

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 1624 / 37
p0 5.249 ± 0.005096
p1 9.153e-07 ± 2.17e-07
6
5.8
5.6
5.4
5.2
5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 35.76 / 37
p0 1.479 ± 0.002673
p1 2.737e-06 ± 1.966e-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


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 2.098e+05 / 37
p0 7.292 ± 0.005155
p1 0.4511 ± 2.447e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1065 / 37
p0 1.369 ± 0.002819
p1 3.658e-05 ± 1.985e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
60000
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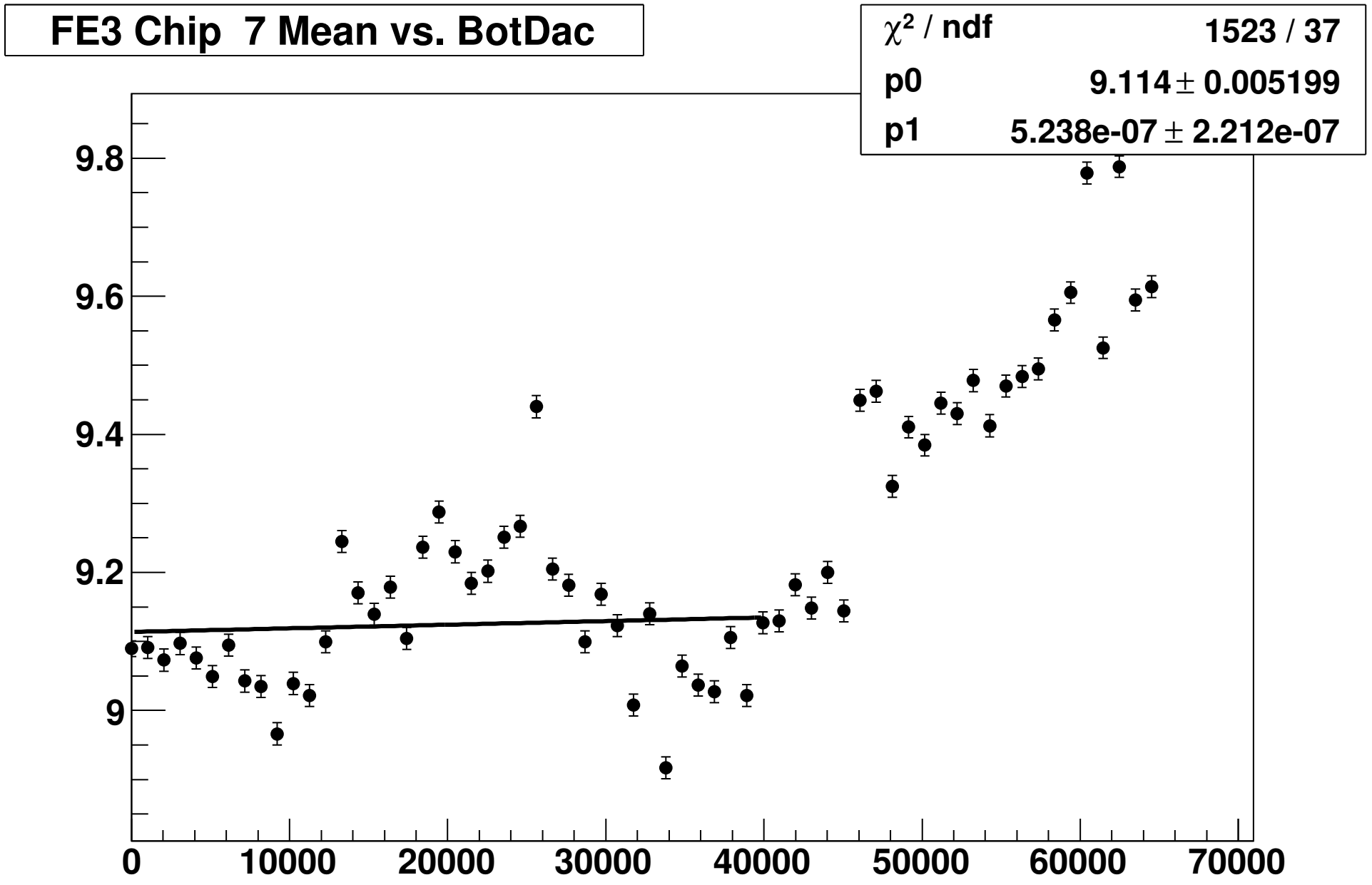
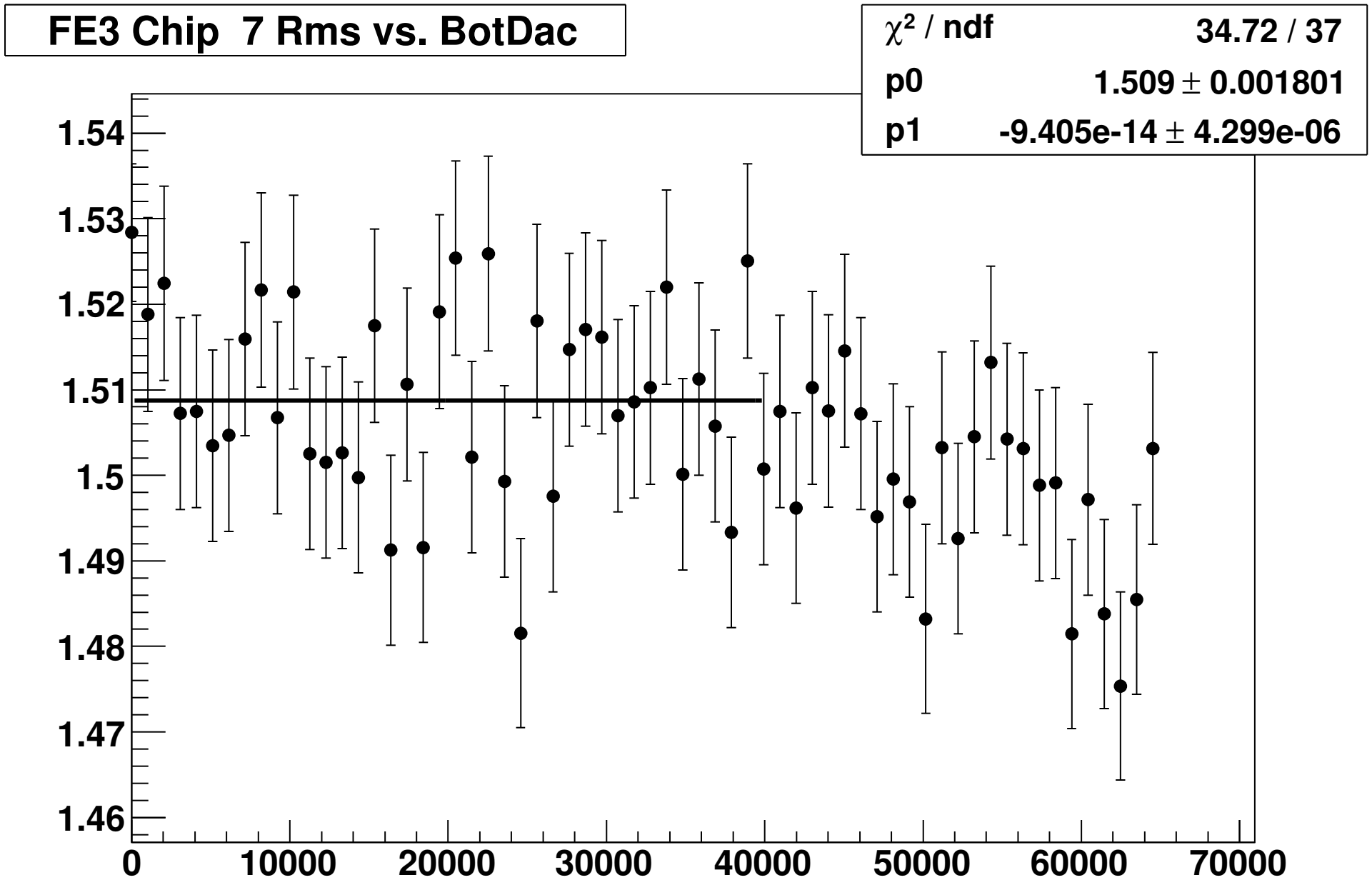
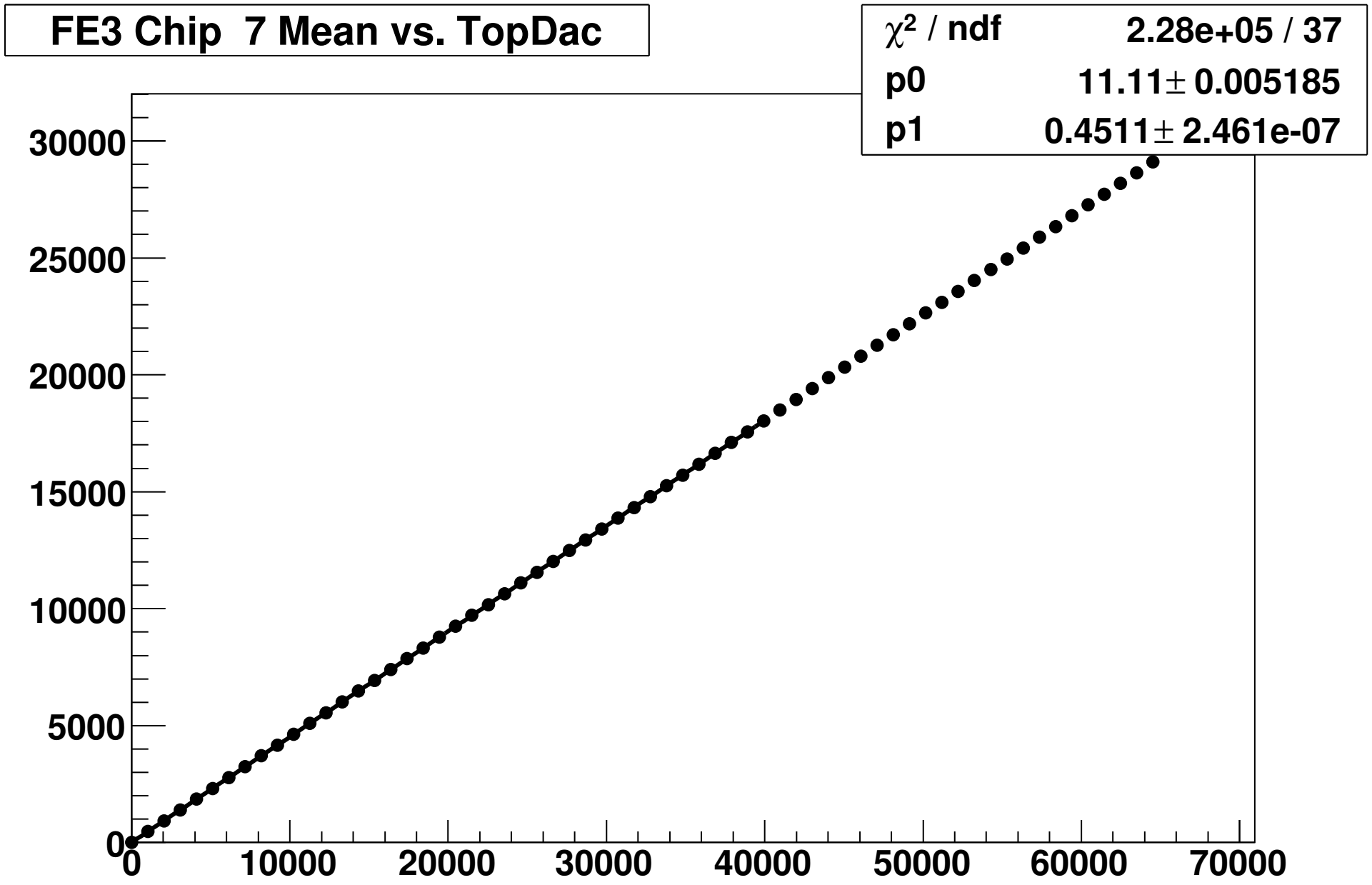
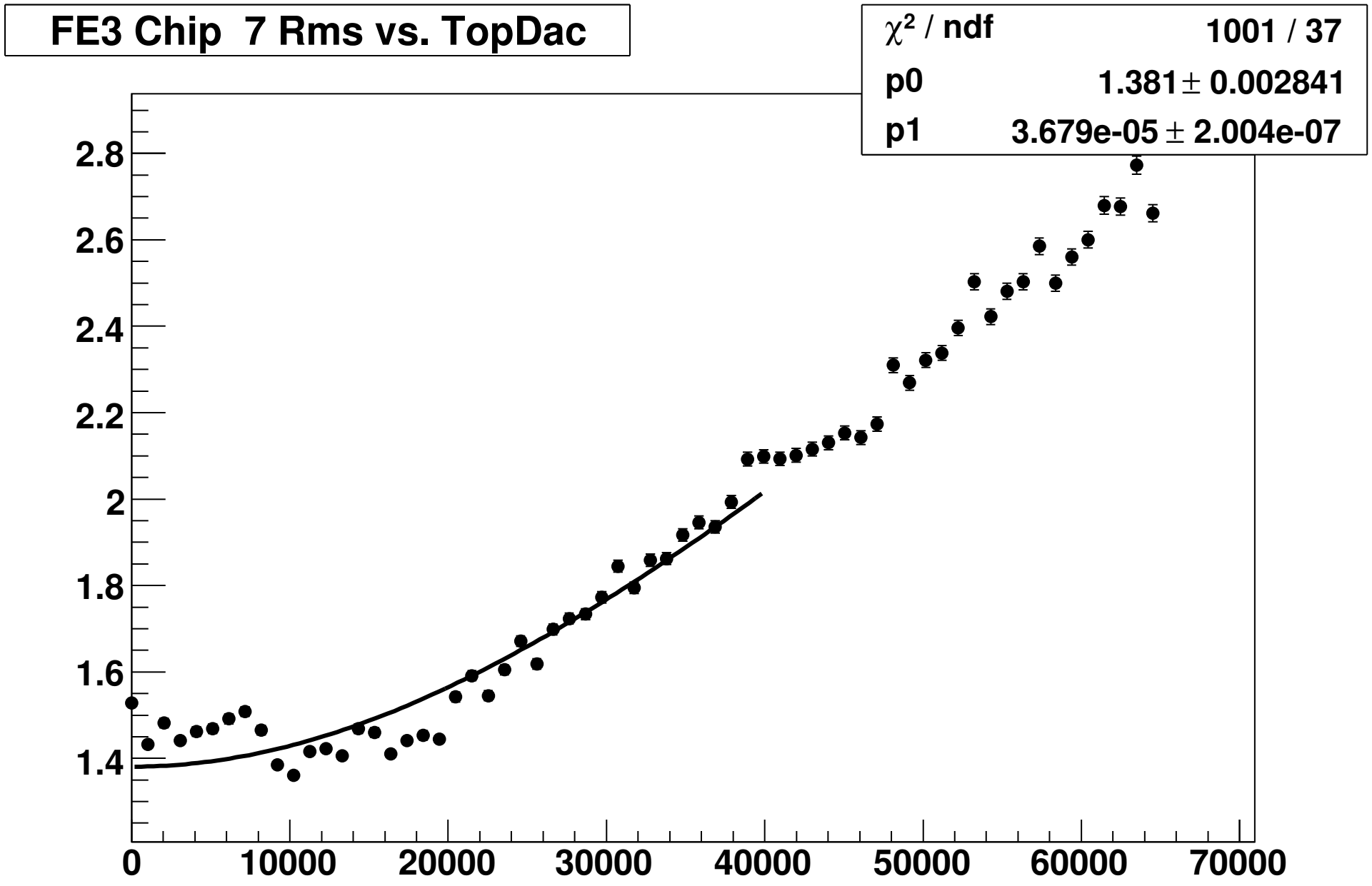

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1523 / 37
p0 9.114 ± 0.005199
p1 5.238e-07 ± 2.212e-07
9.8
9.6
9.4
9.2
9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 34.72 / 37
p0 1.509 ± 0.001801
p1 -9.405e-14 ± 4.299e-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


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 2.28e+05 / 37
p0 11.11 ± 0.005185
p1 0.4511 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1001 / 37
p0 1.381 ± 0.002841
p1 3.679e-05 ± 2.004e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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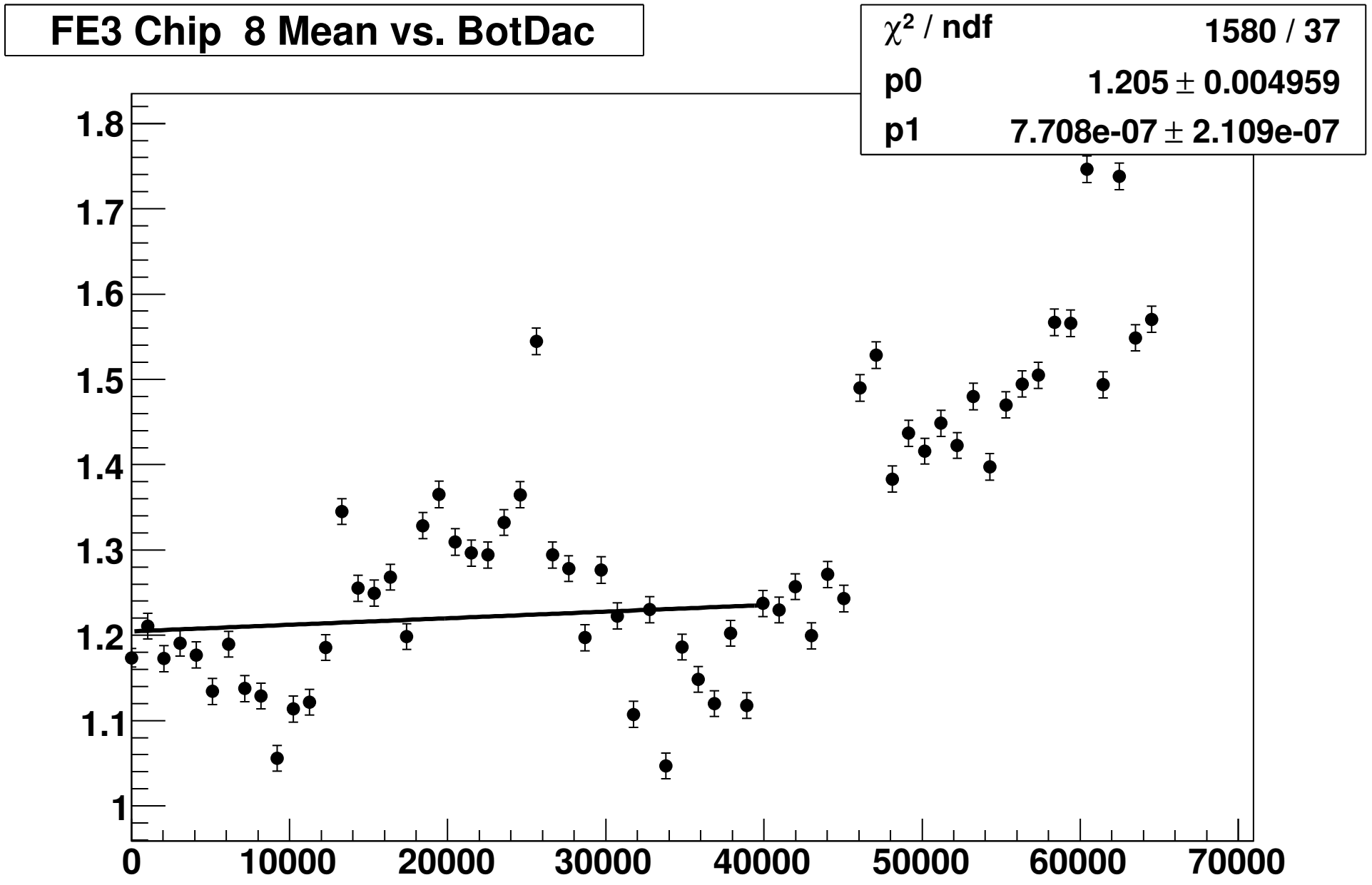
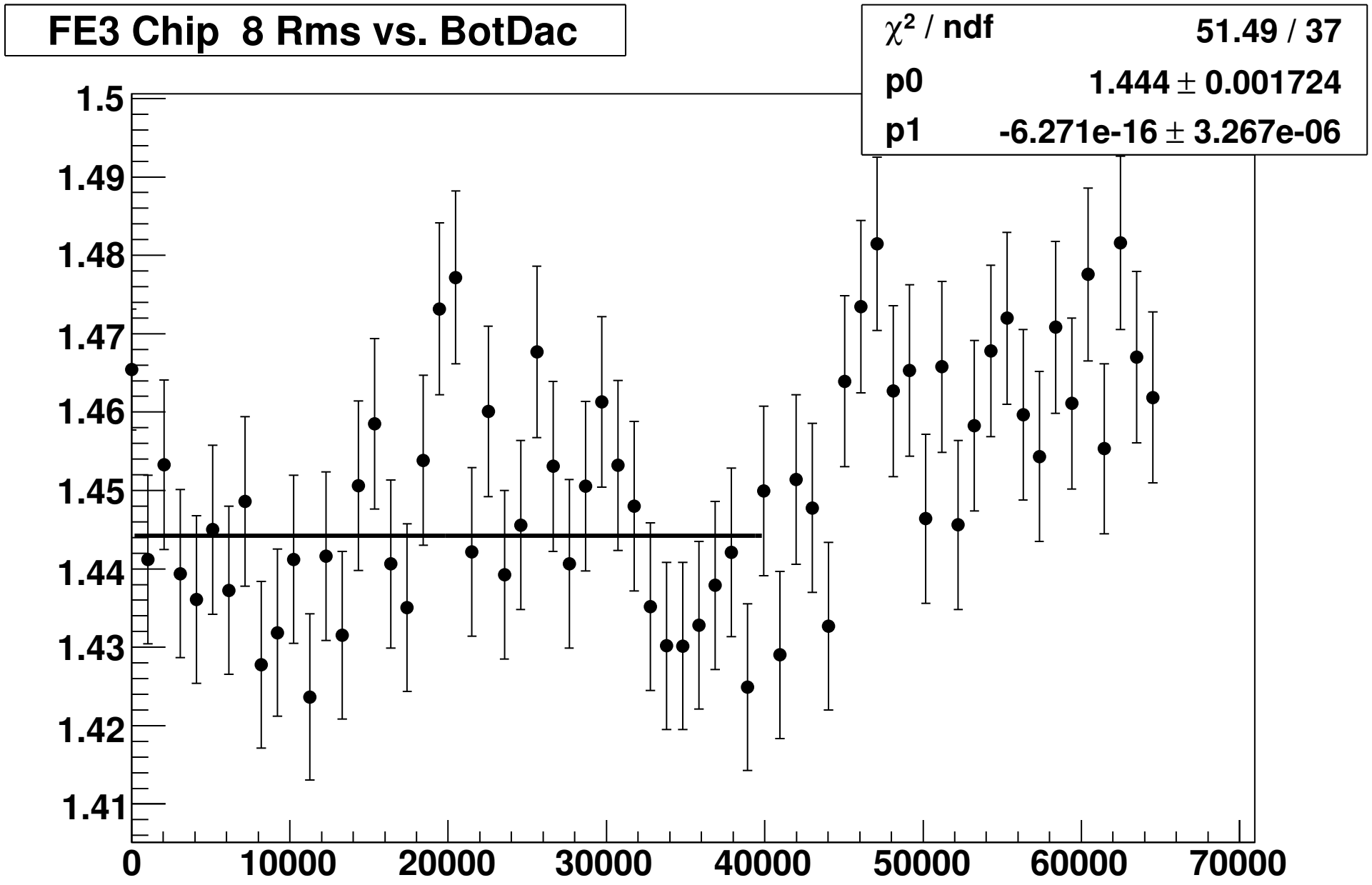
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 1580 / 37
p0 1.205 ± 0.004959
p1 7.708e-07 ± 2.109e-07
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 51.49 / 37
p0 1.444 ± 0.001724
p1 -6.271e-16 ± 3.267e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
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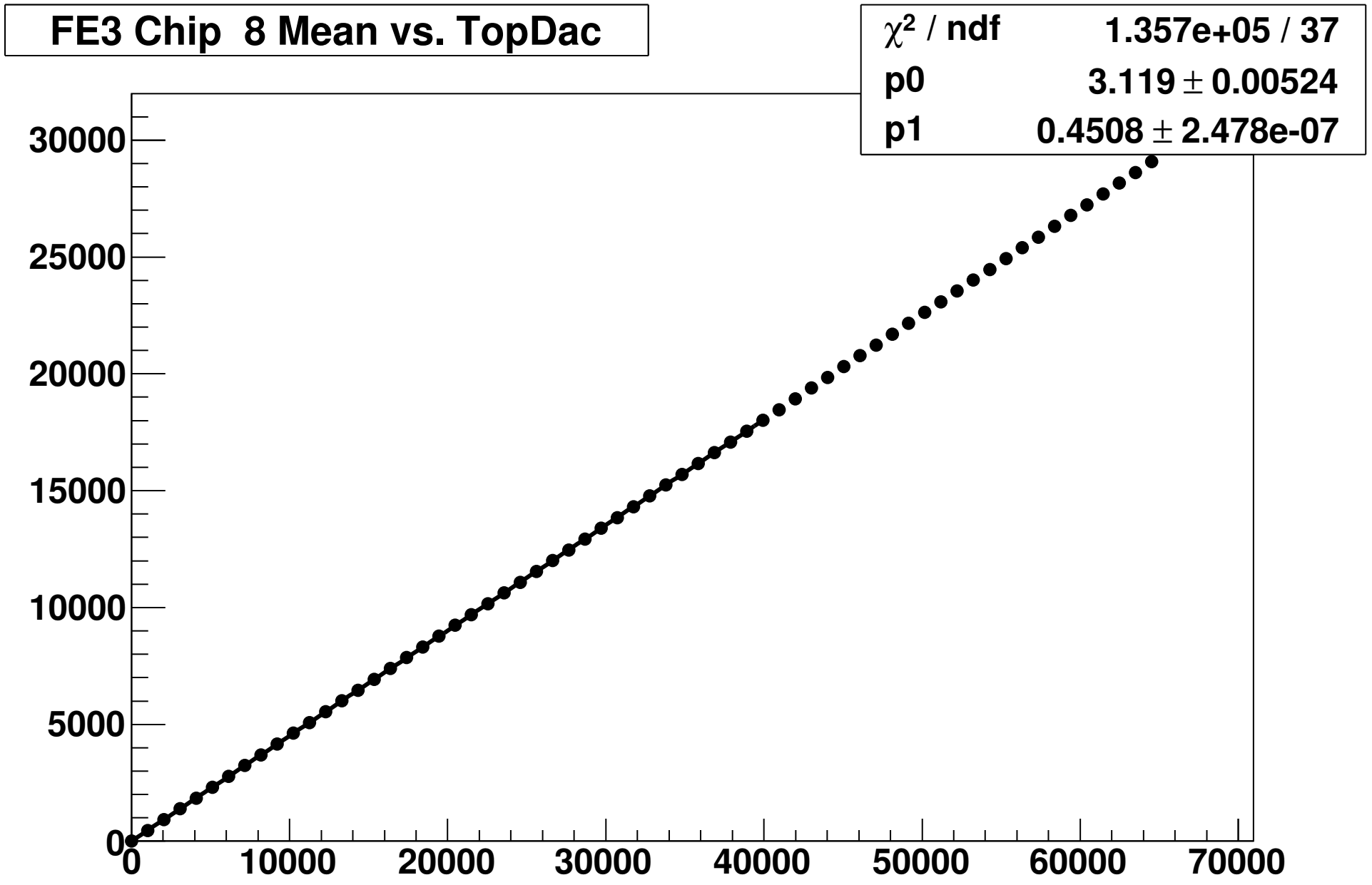
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.357e+05 / 37
p0 3.119 ± 0.00524
p1 0.4508 ± 2.478e-07
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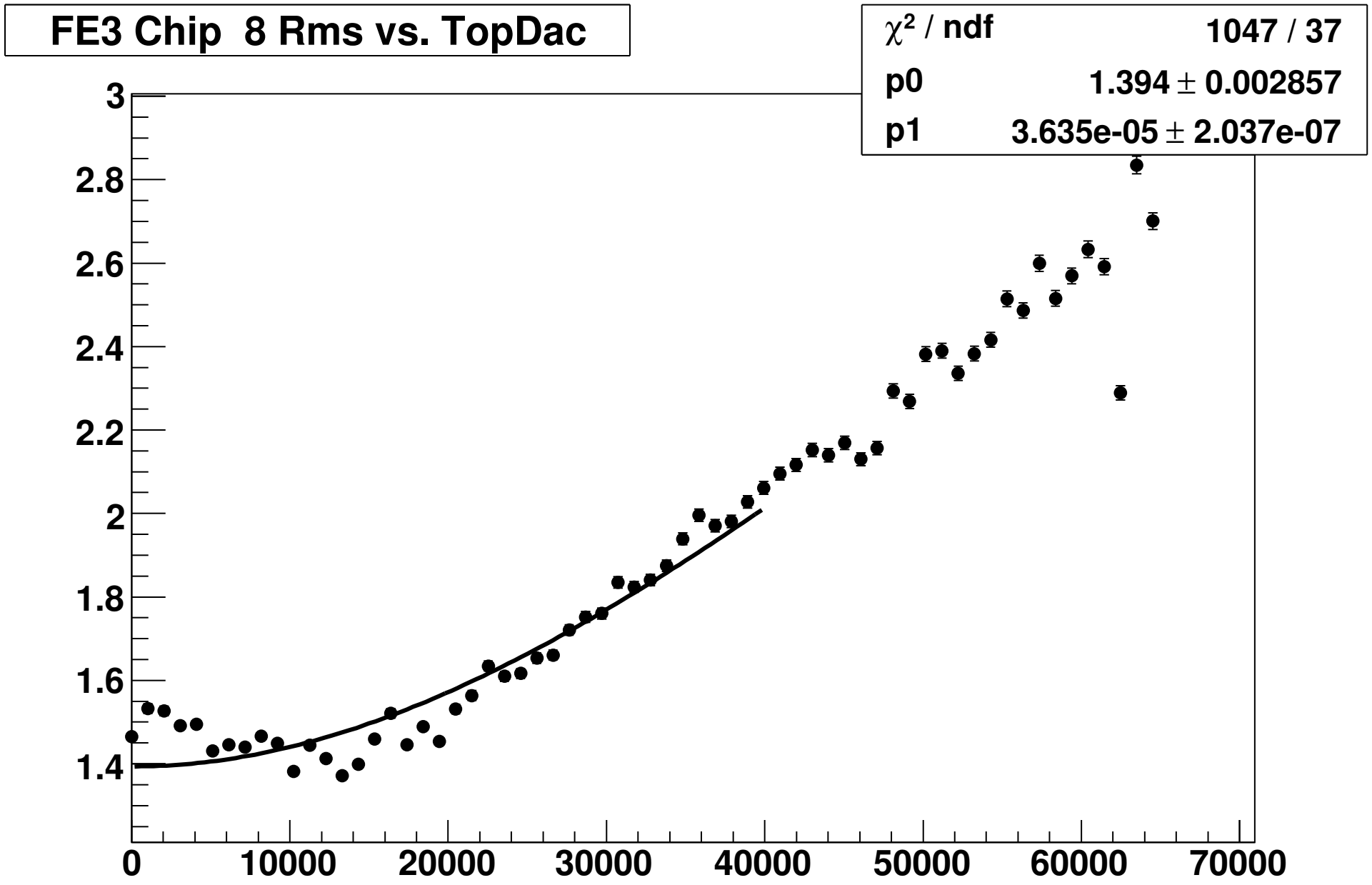
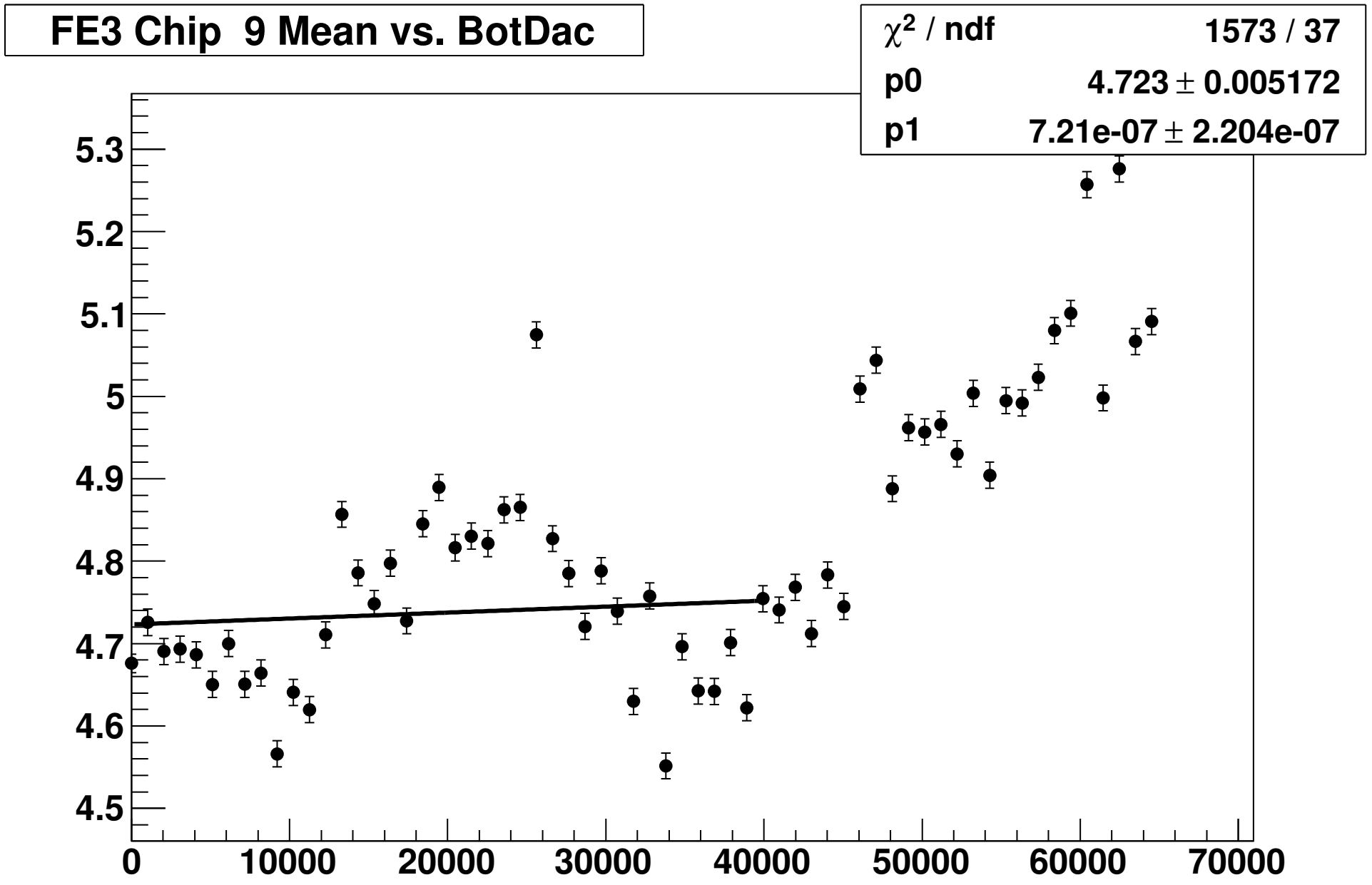
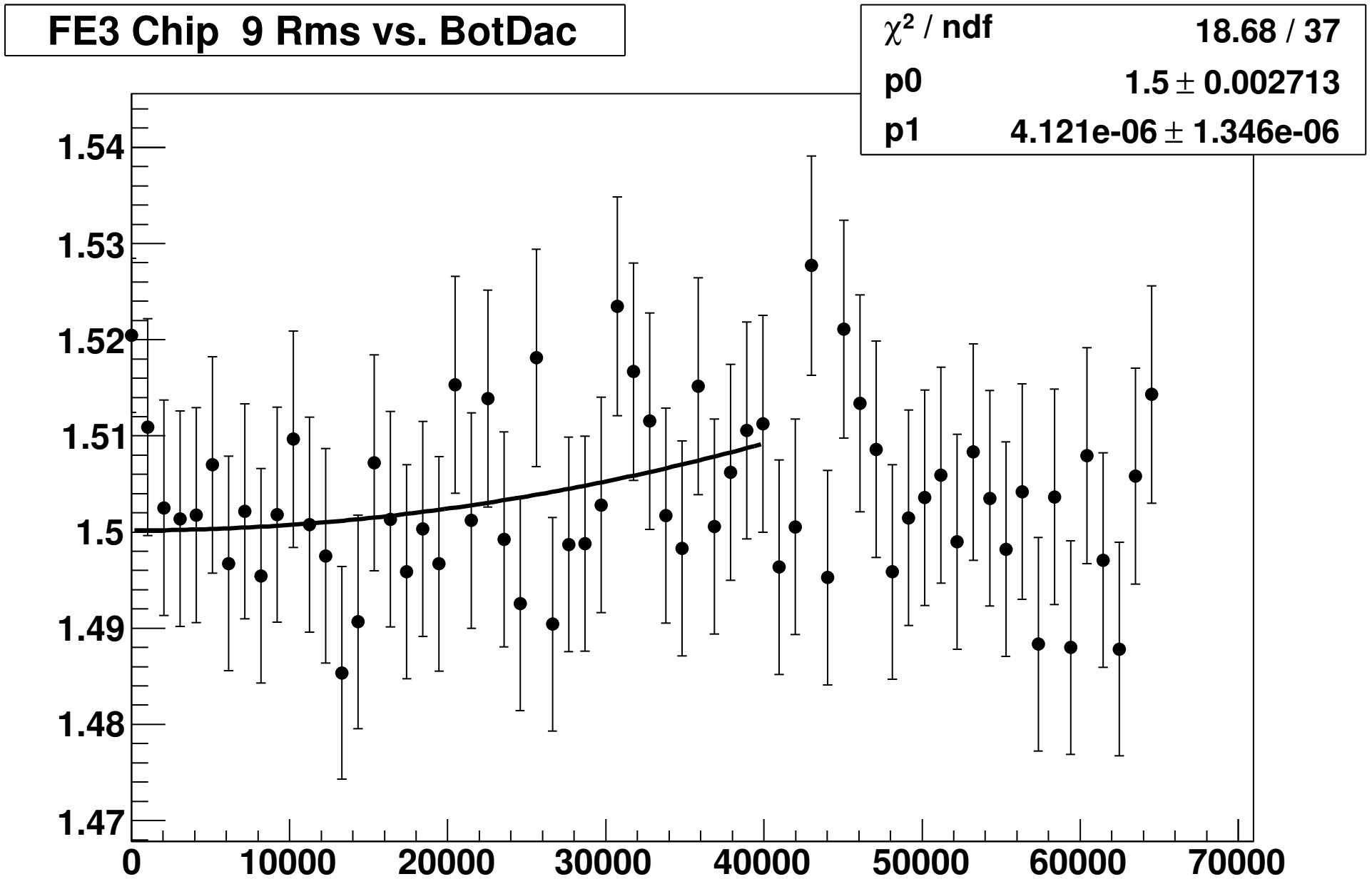
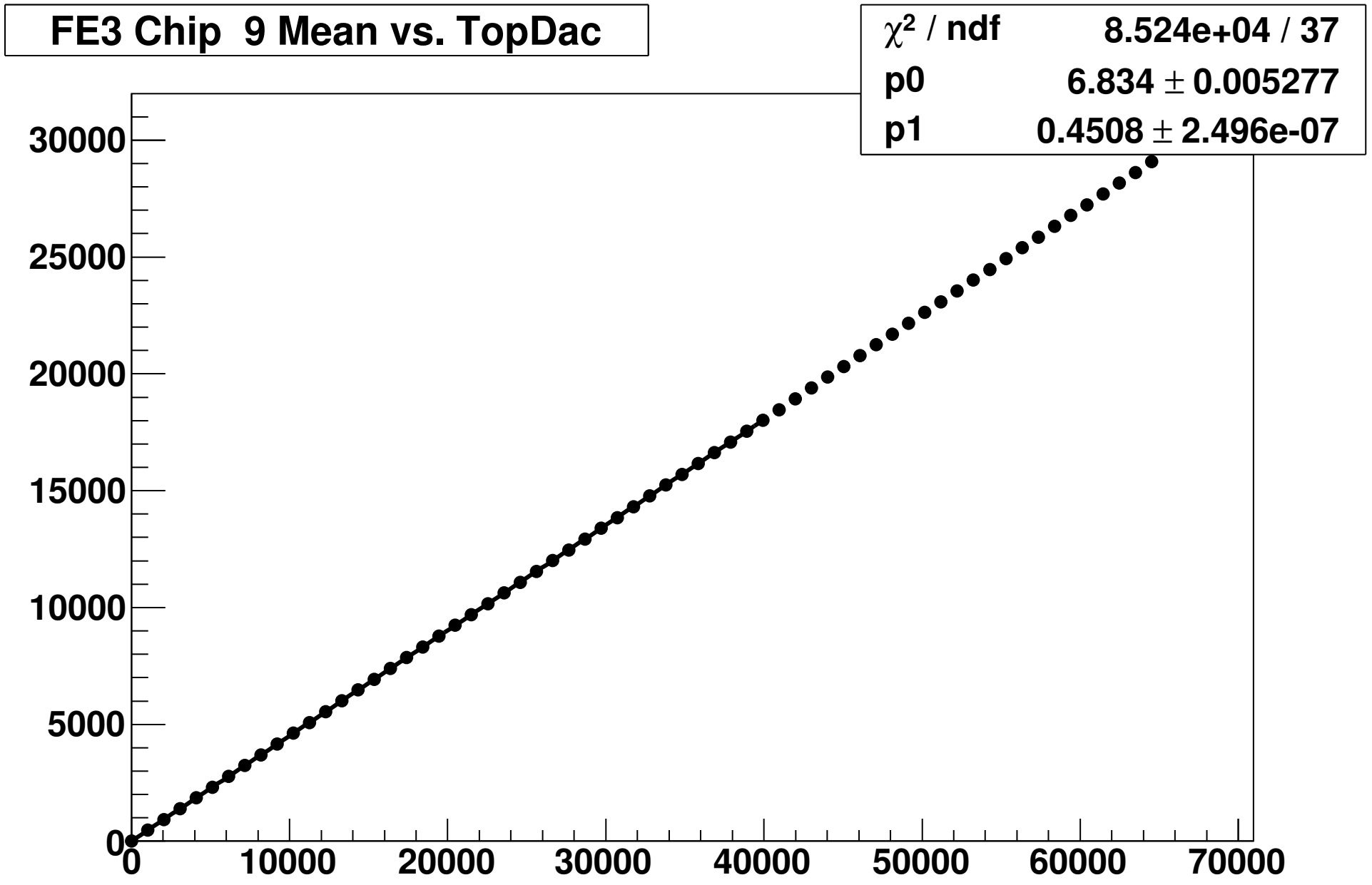
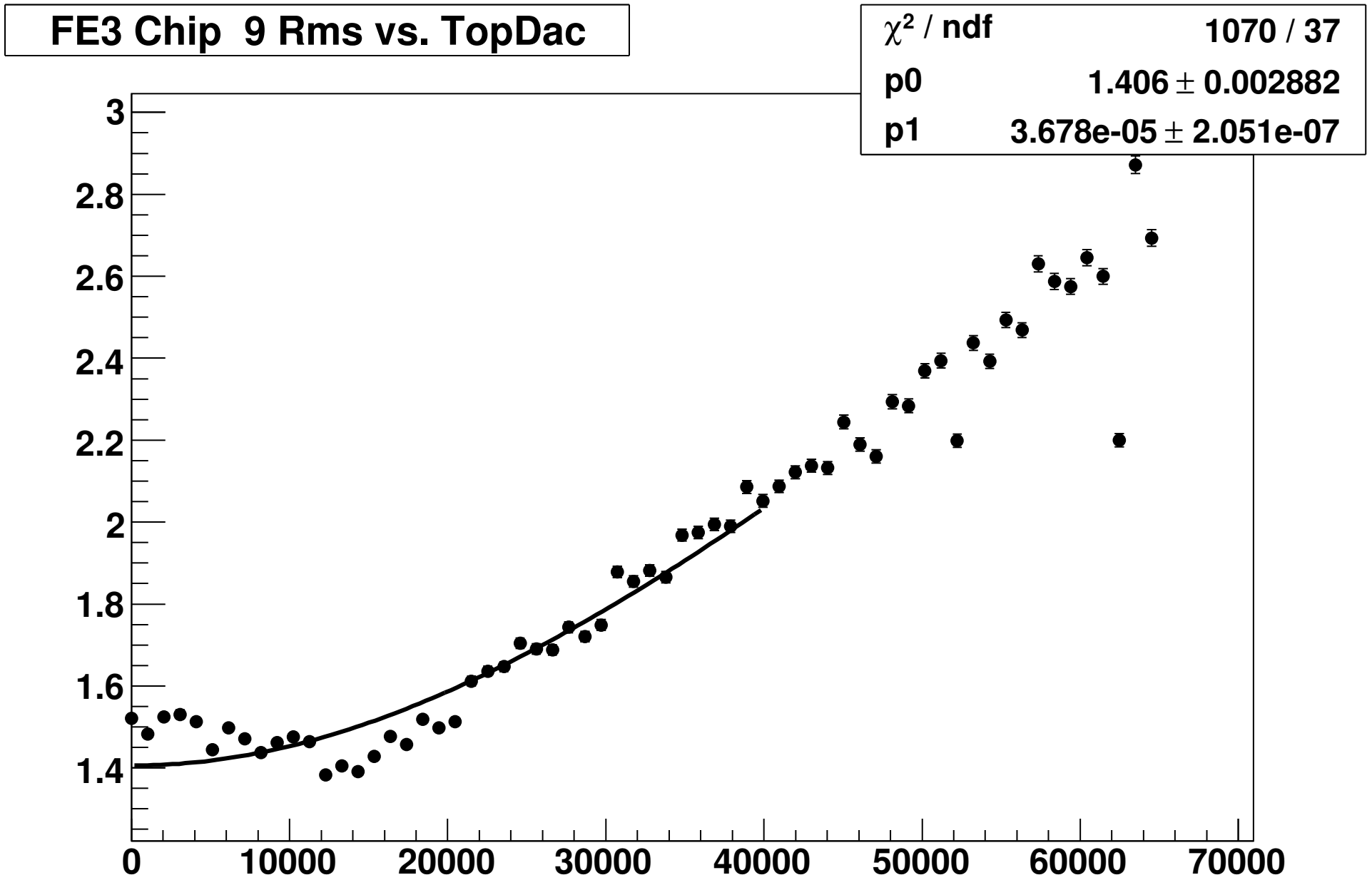
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1047 / 37
p0 1.394 ± 0.002857
p1 3.635e-05 ± 2.037e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 1573 / 37
p0 4.723 ± 0.005172
p1 7.21e-07 ± 2.204e-07
5.3
5.2
5.1
5
4.9
4.8
4.7
4.6
4.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 18.68 / 37
p0 1.5 ± 0.002713
p1 4.121e-06 ± 1.346e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.524e+04 / 37
p0 6.834 ± 0.005277
p1 0.4508 ± 2.496e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1070 / 37
p0 1.406 ± 0.002882
p1 3.678e-05 ± 2.051e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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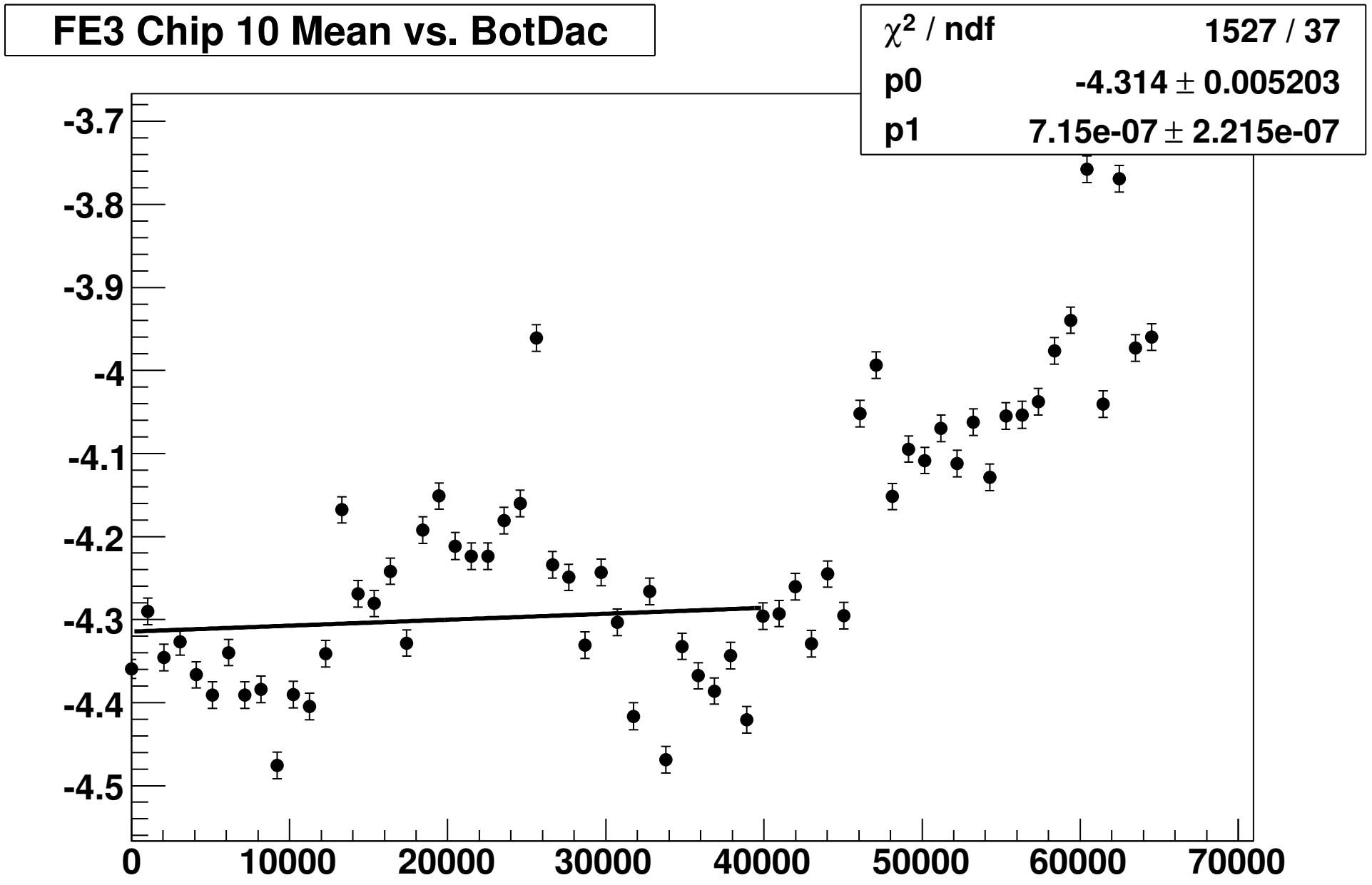
FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1527 / 37
p0 -4.314 ± 0.005203
p1 7.15e-07 ± 2.215e-07
-3.7
-3.8
-3.9
-4
-4.1
-4.2
-4.3
-4.4
-4.5
0
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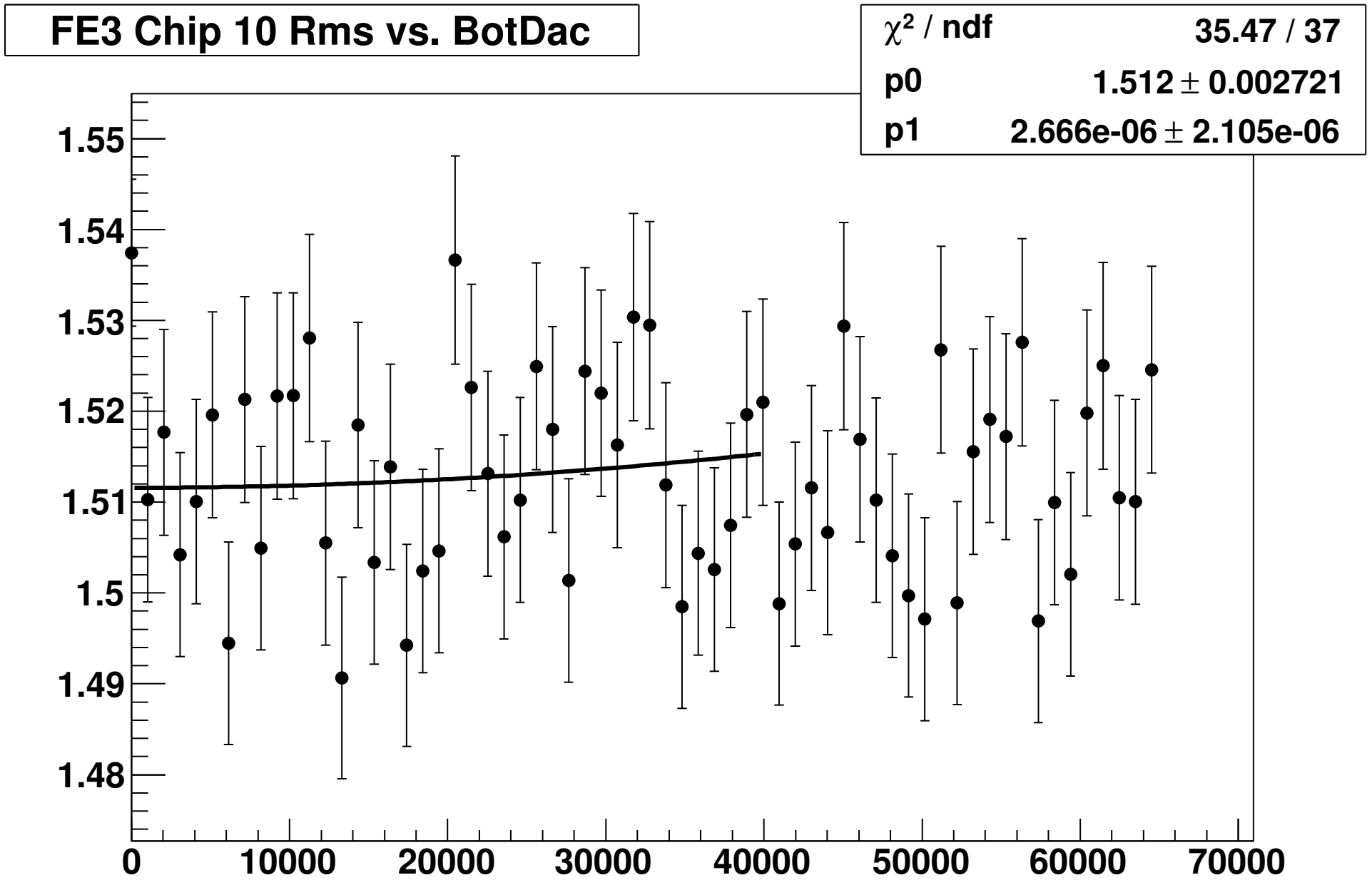
FE3 Chip 10 Rms vs. BotDac
χ² / ndf 35.47 / 37
p0 1.512 ± 0.002721
p1 2.666e-06 ± 2.105e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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20000
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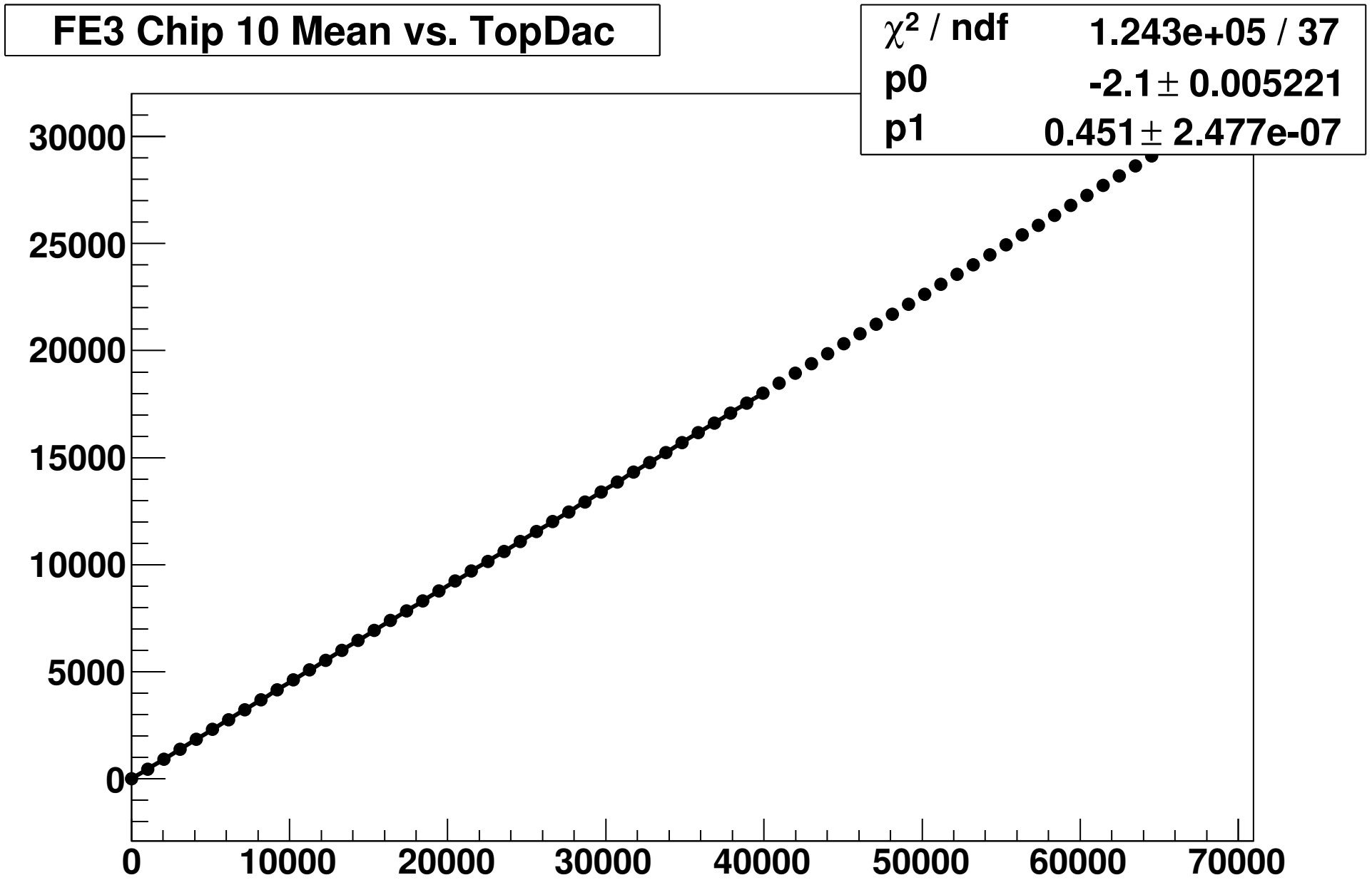
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.243e+05 / 37
p0 -2.1 ± 0.005221
p1 0.451 ± 2.477e-07
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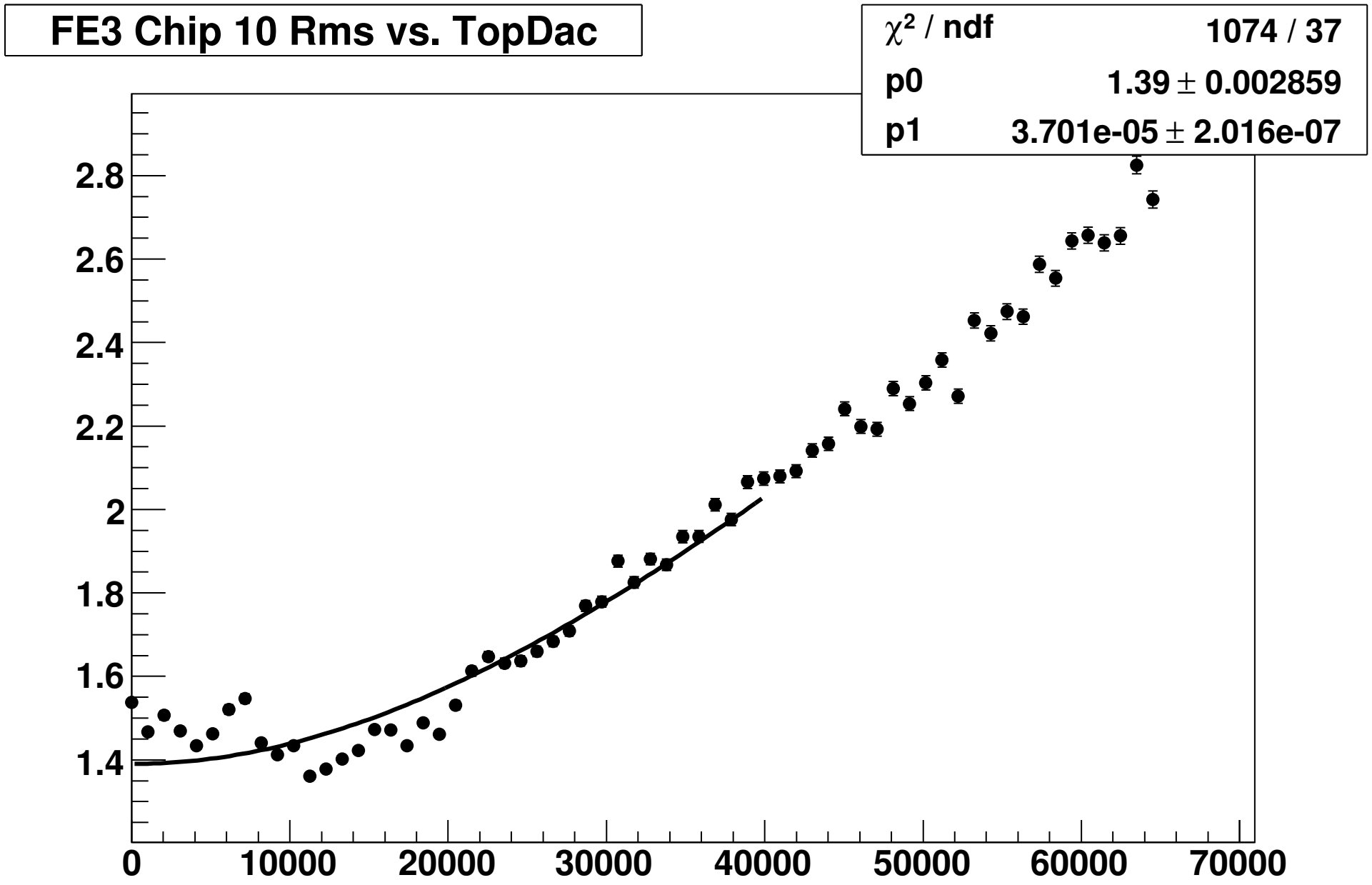
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1074 / 37
p0 1.39 ± 0.002859
p1 3.701e-05 ± 2.016e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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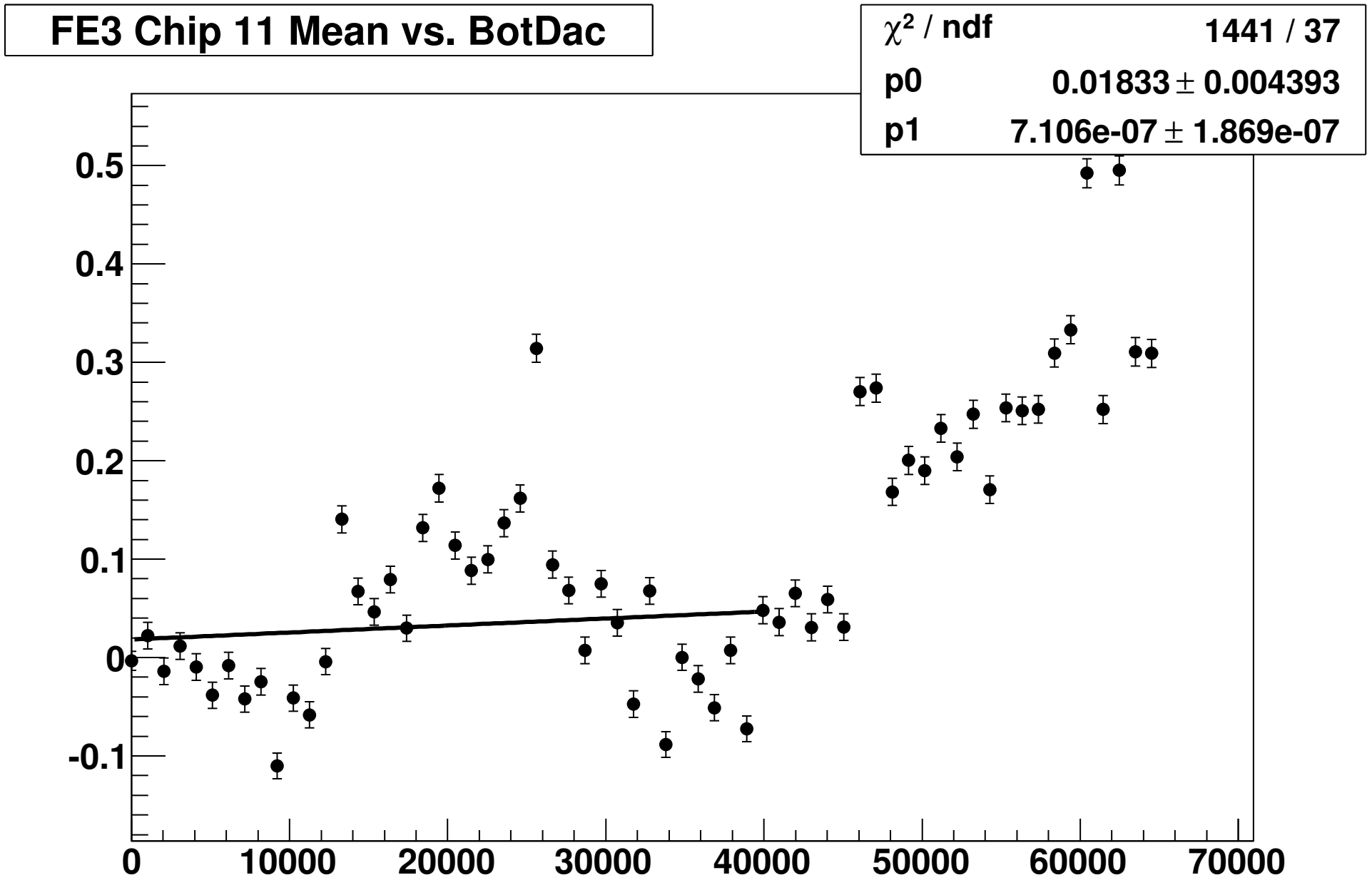
FE3 Chip 11 Mean vs. BotDac
χ² / ndf 1441 / 37
p0 0.01833 ± 0.004393
p1 7.106e-07 ± 1.869e-07
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
10000
20000
30000
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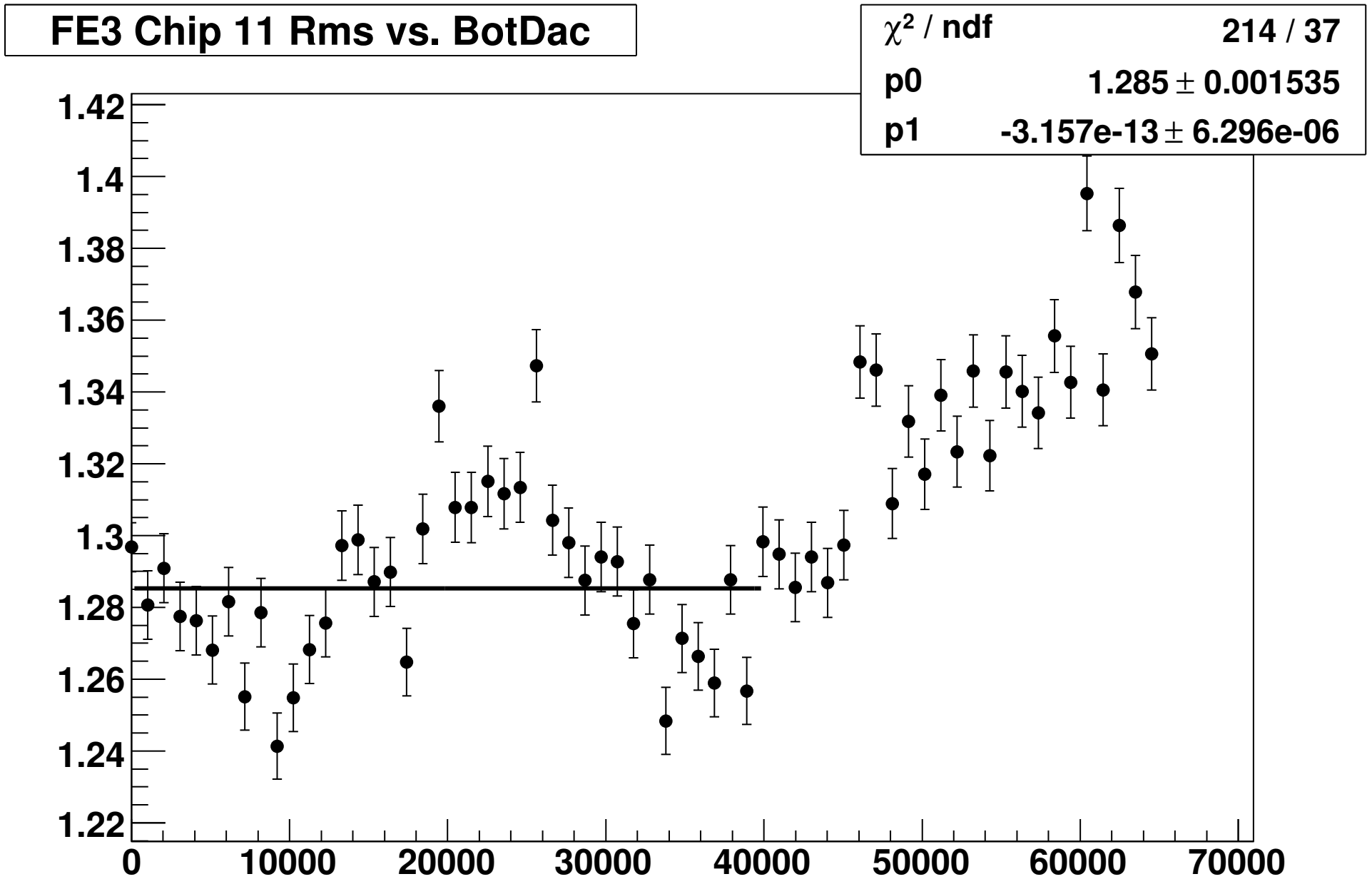
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 214 / 37
p0 1.285 ± 0.001535
p1 -3.157e-13 ± 6.296e-06
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
1.26
1.24
1.22
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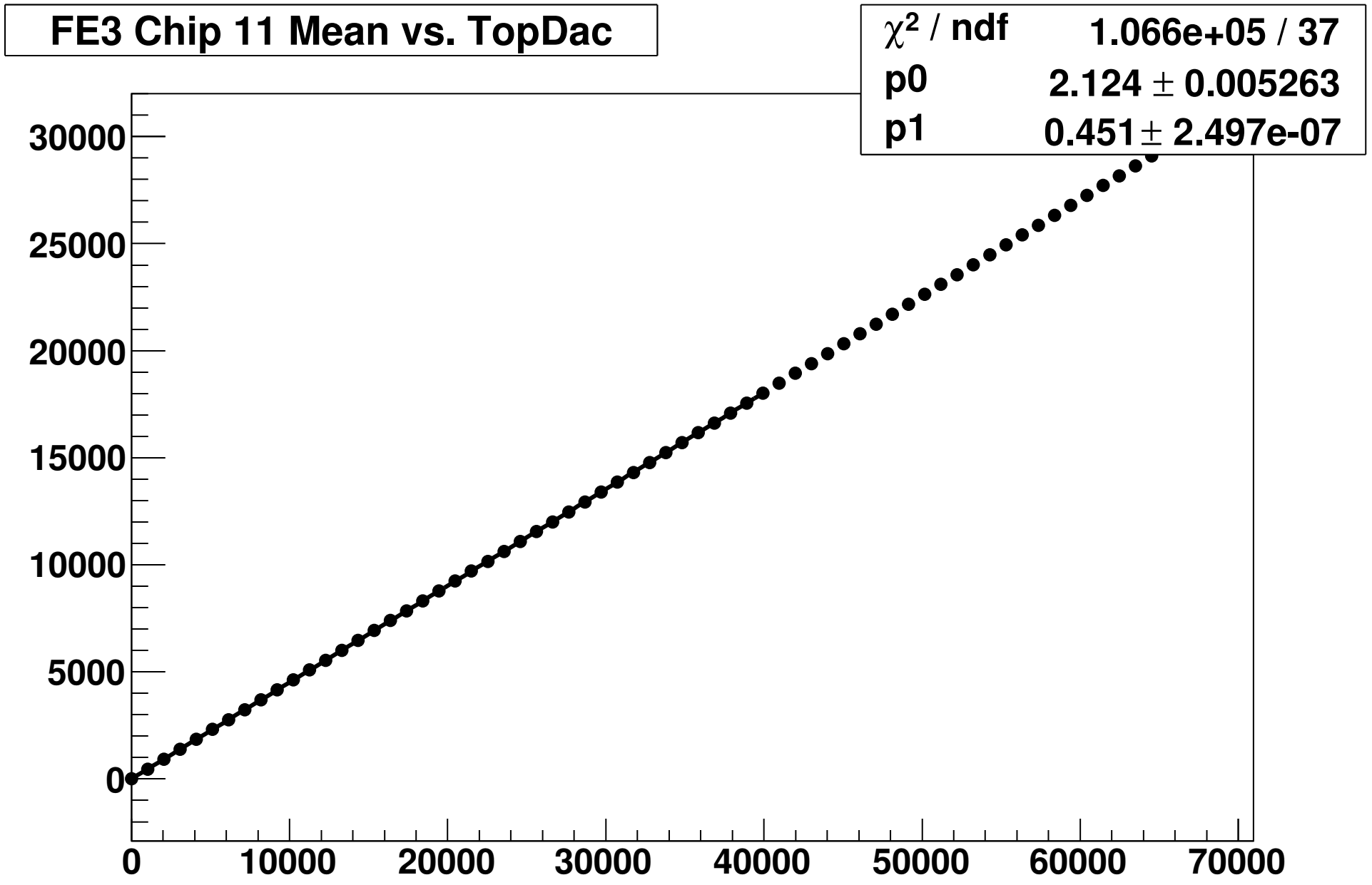
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.066e+05 / 37
p0 2.124 ± 0.005263
p1 0.451 ± 2.497e-07
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20000
15000
10000
5000
0
0
10000
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30000
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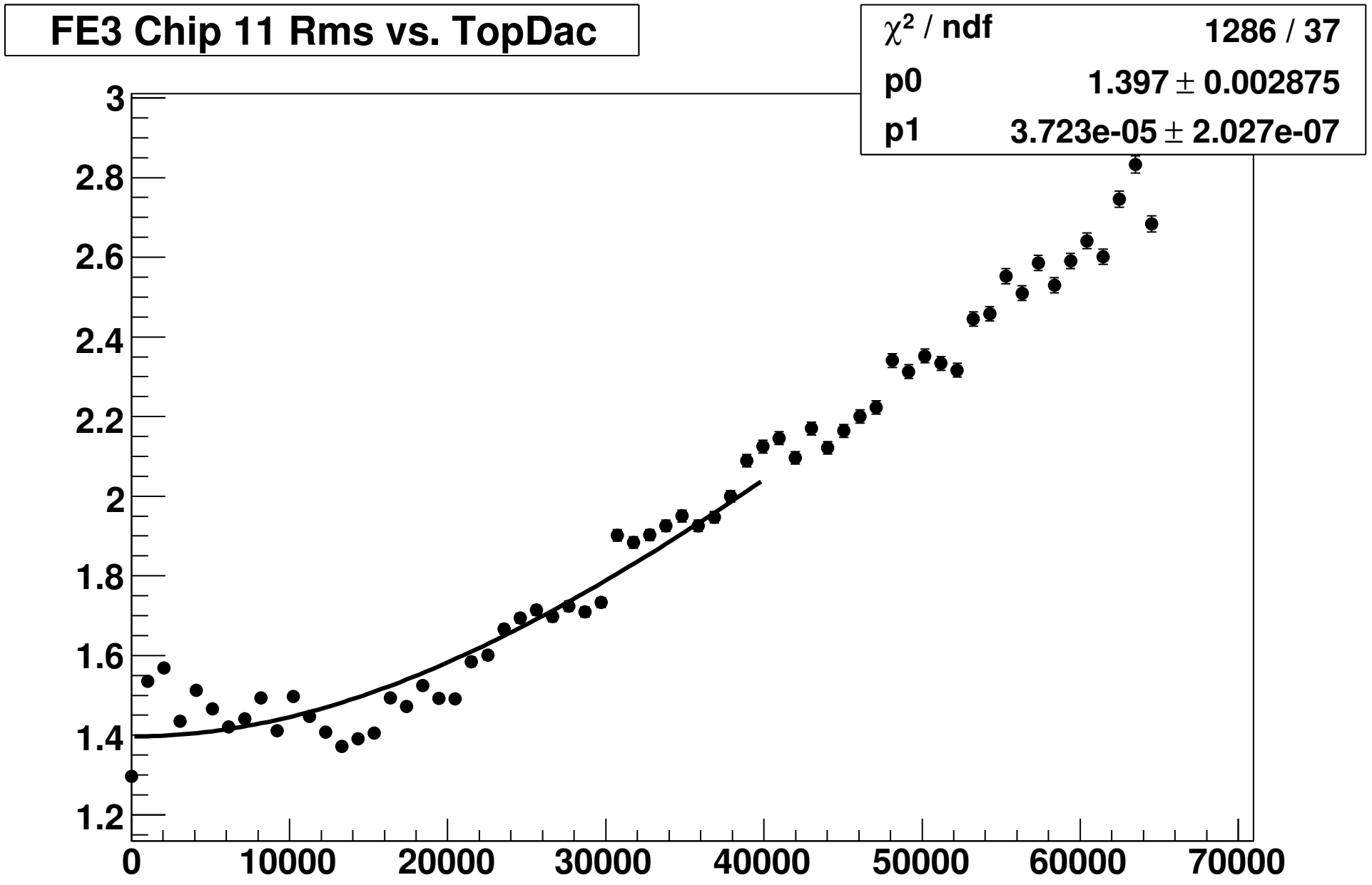
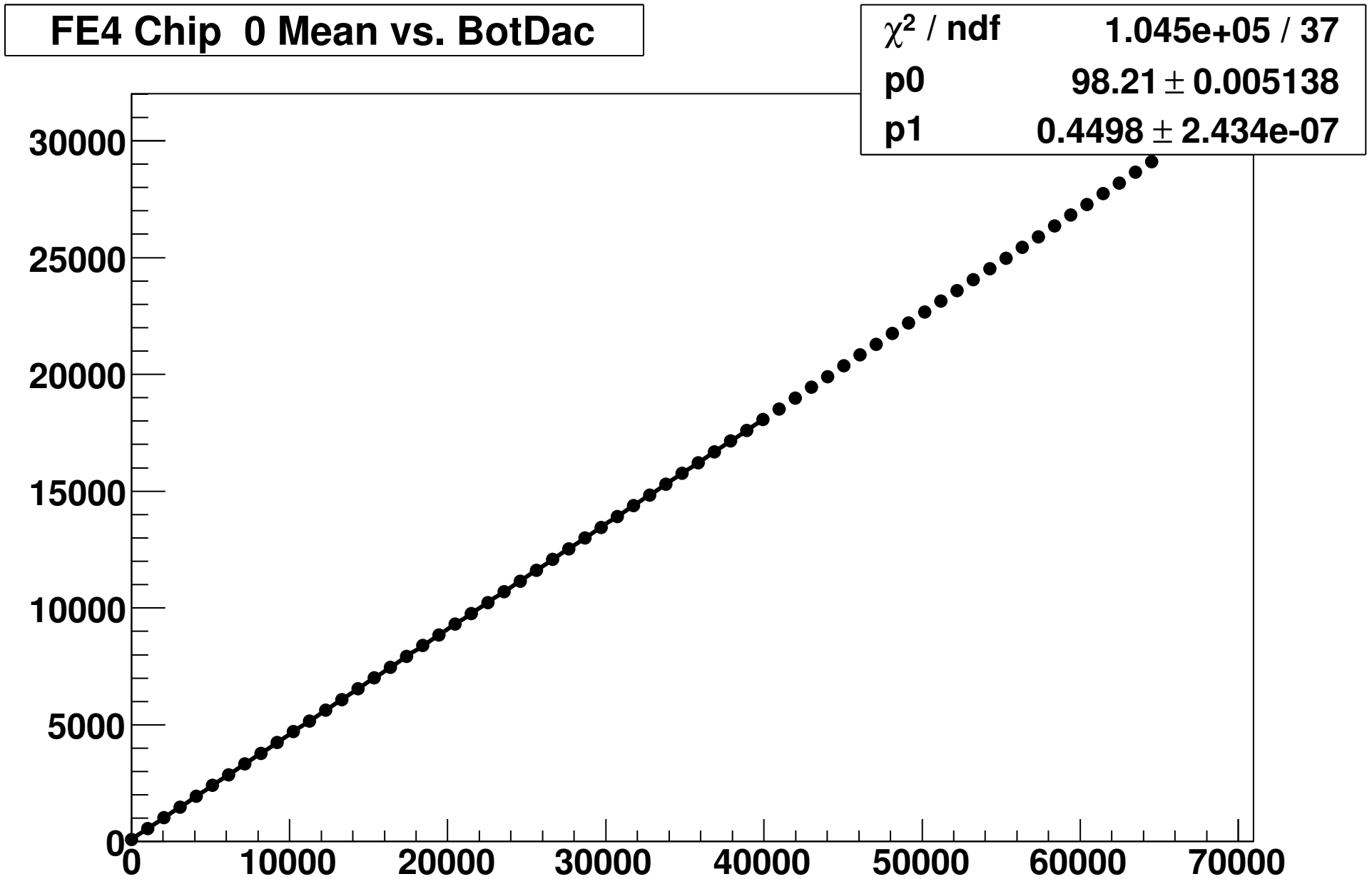
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1286 / 37
p0 1.397 ± 0.002875
p1 3.723e-05 ± 2.027e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 1.045e+05 / 37
p0 98.21 ± 0.005138
p1 0.4498 ± 2.434e-07
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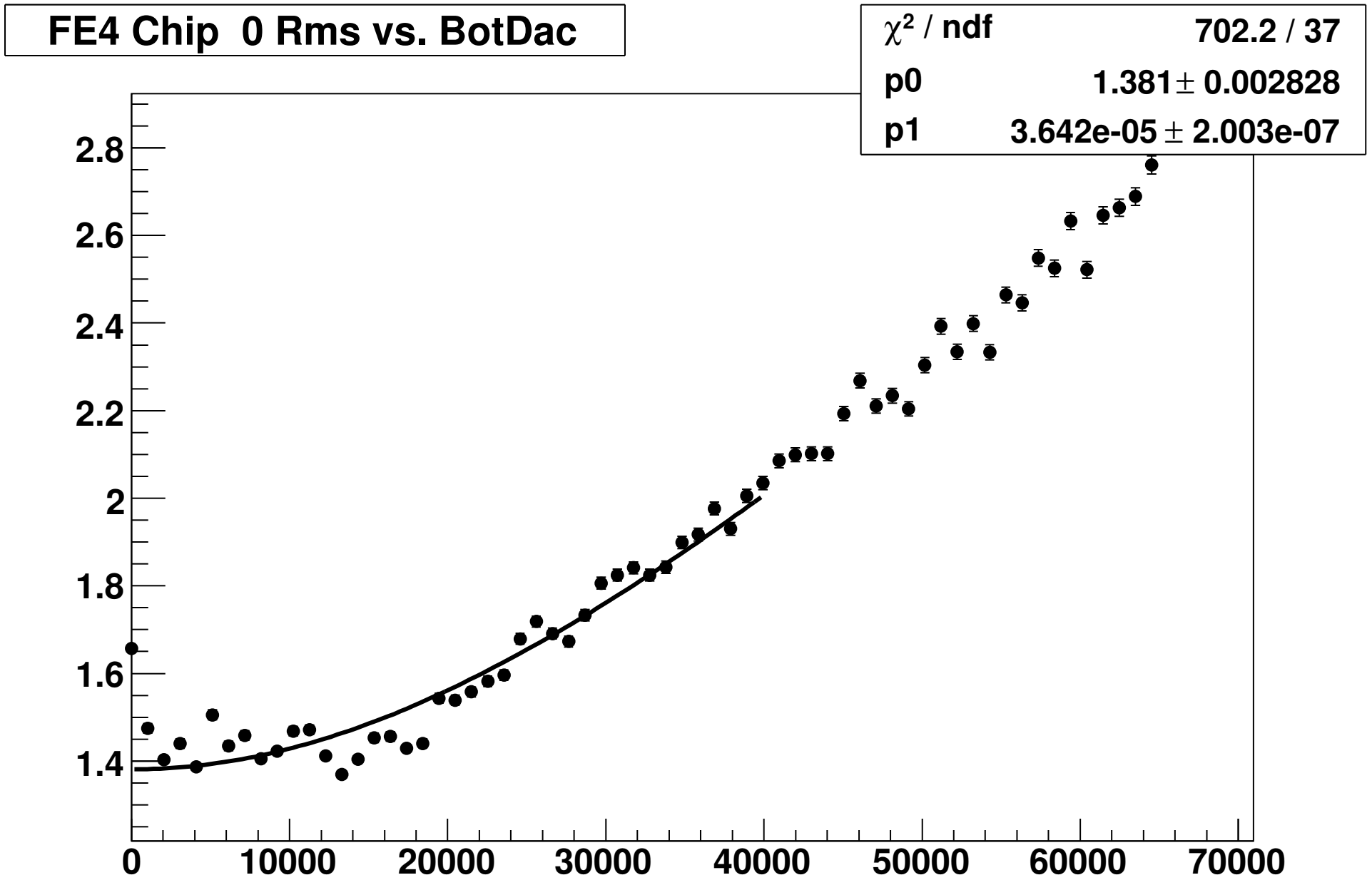
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 702.2 / 37
p0 1.381 ± 0.002828
p1 3.642e-05 ± 2.003e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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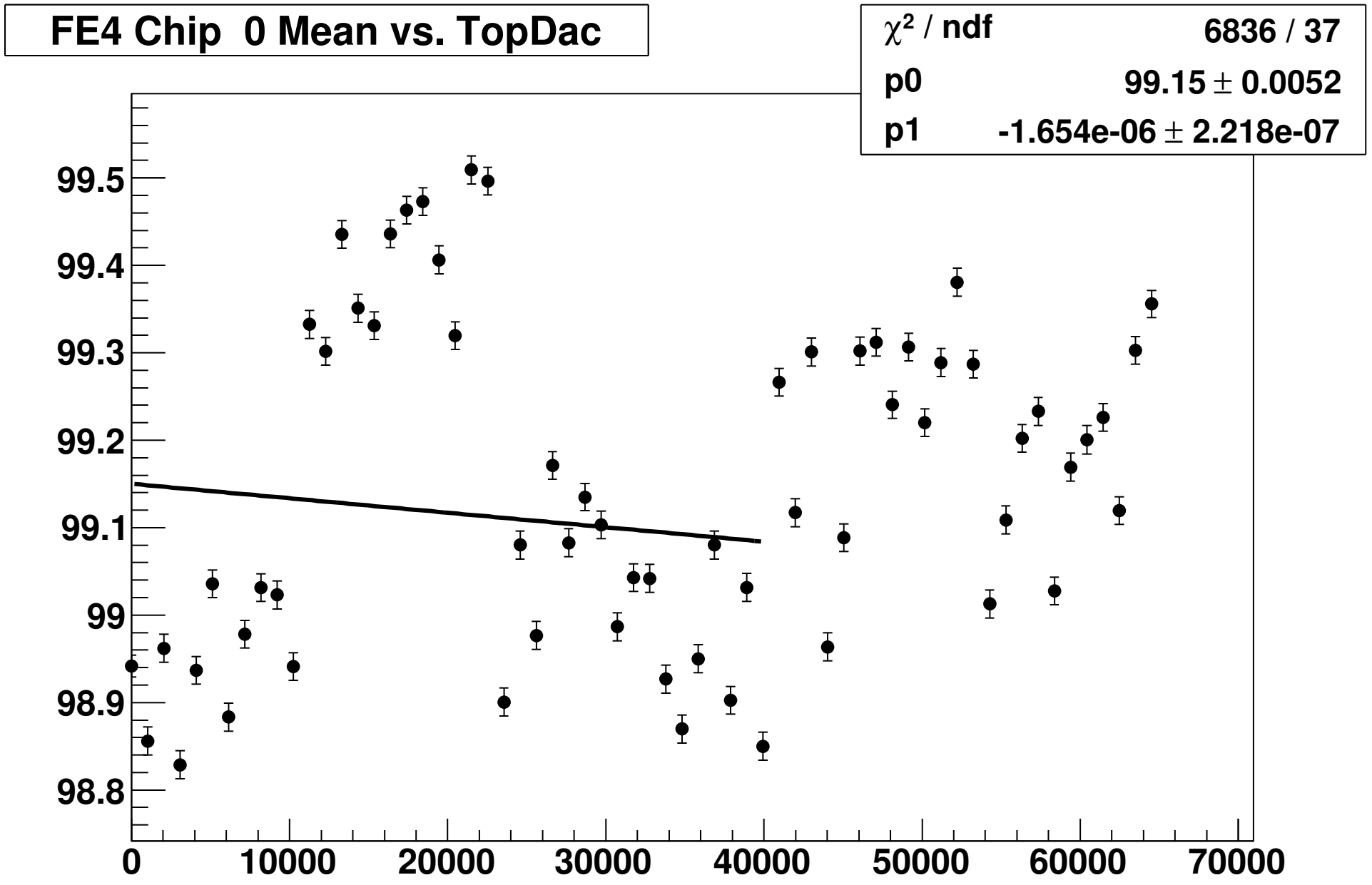
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 6836 / 37
p0 99.15 ± 0.0052
p1 -1.654e-06 ± 2.218e-07
99.5
99.4
99.3
99.2
99.1
99
98.9
98.8
0
10000
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30000
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50000
60000
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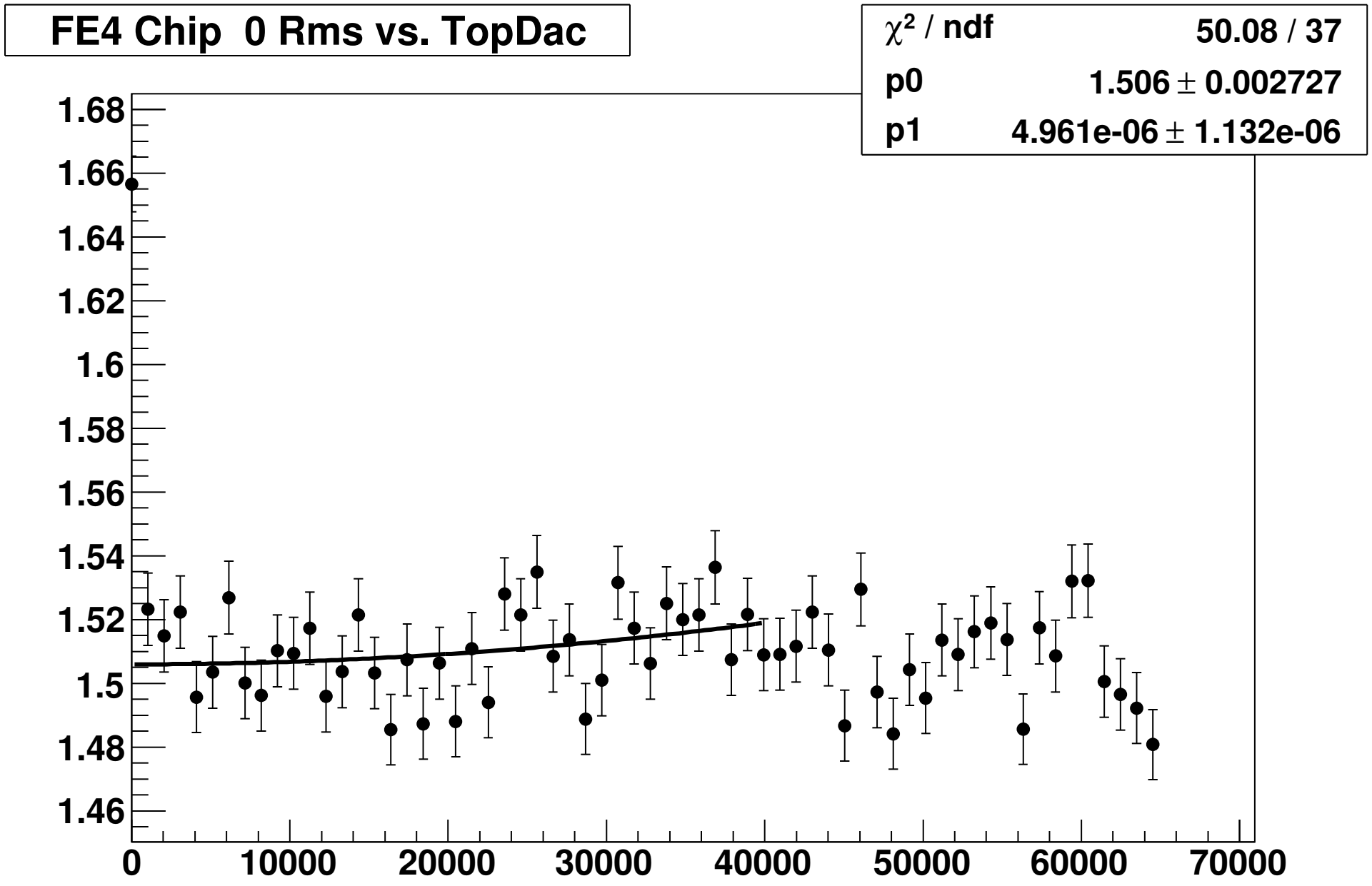
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 50.08 / 37
p0 1.506 ± 0.002727
p1 4.961e-06 ± 1.132e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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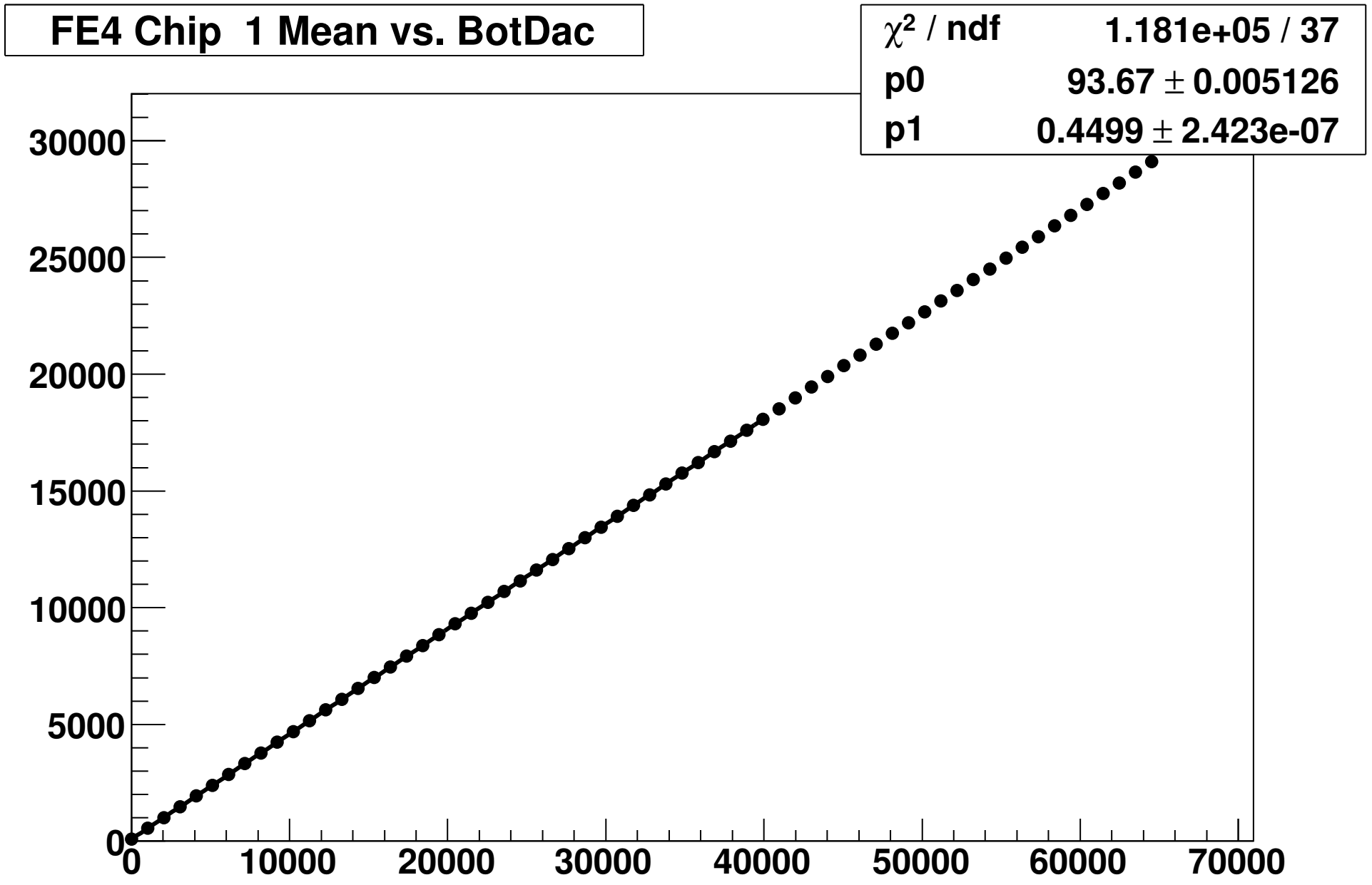
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.181e+05 / 37
p0 93.67 ± 0.005126
p1 0.4499 ± 2.423e-07
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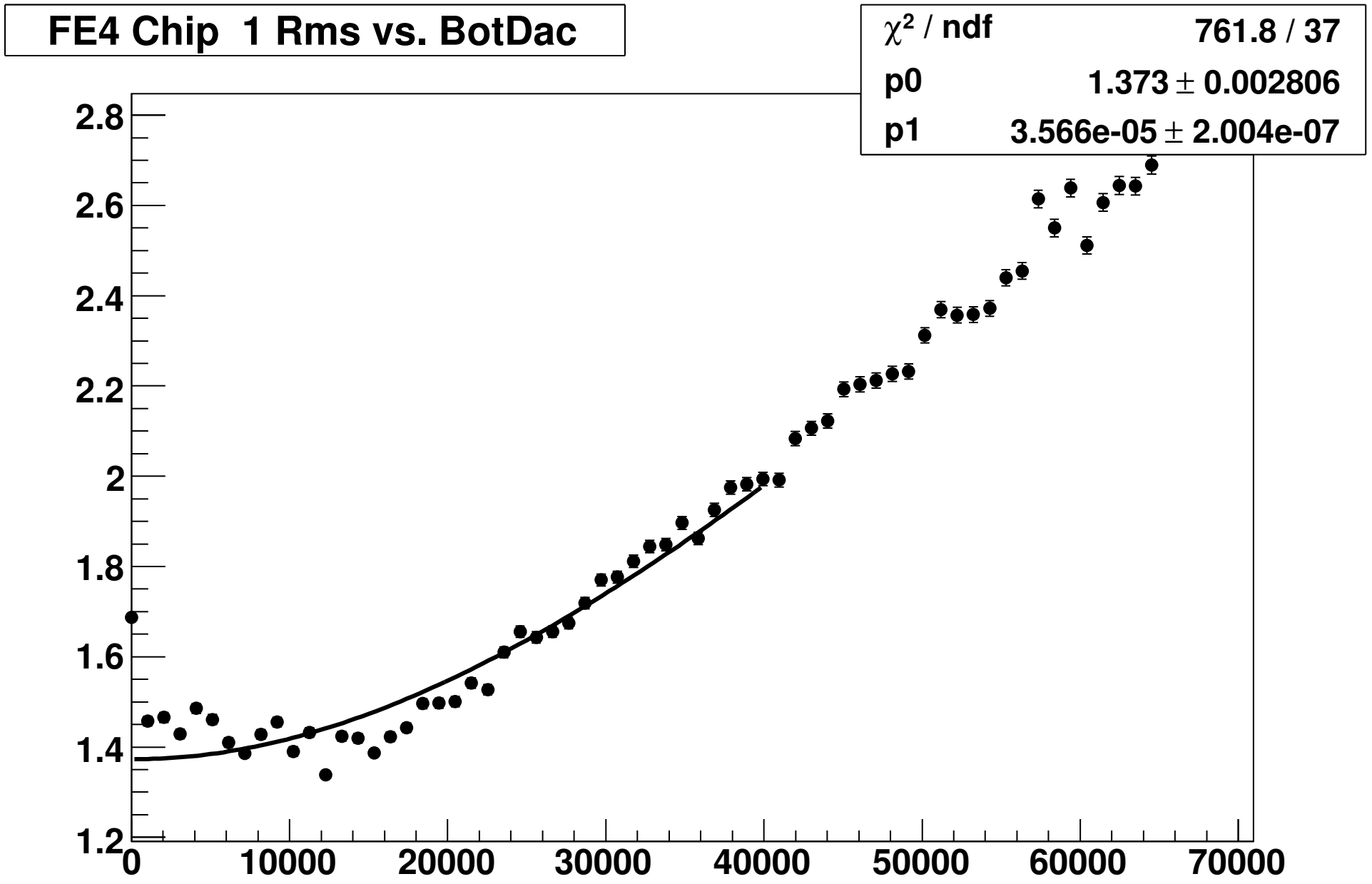
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 761.8 / 37
p0 1.373 ± 0.002806
p1 3.566e-05 ± 2.004e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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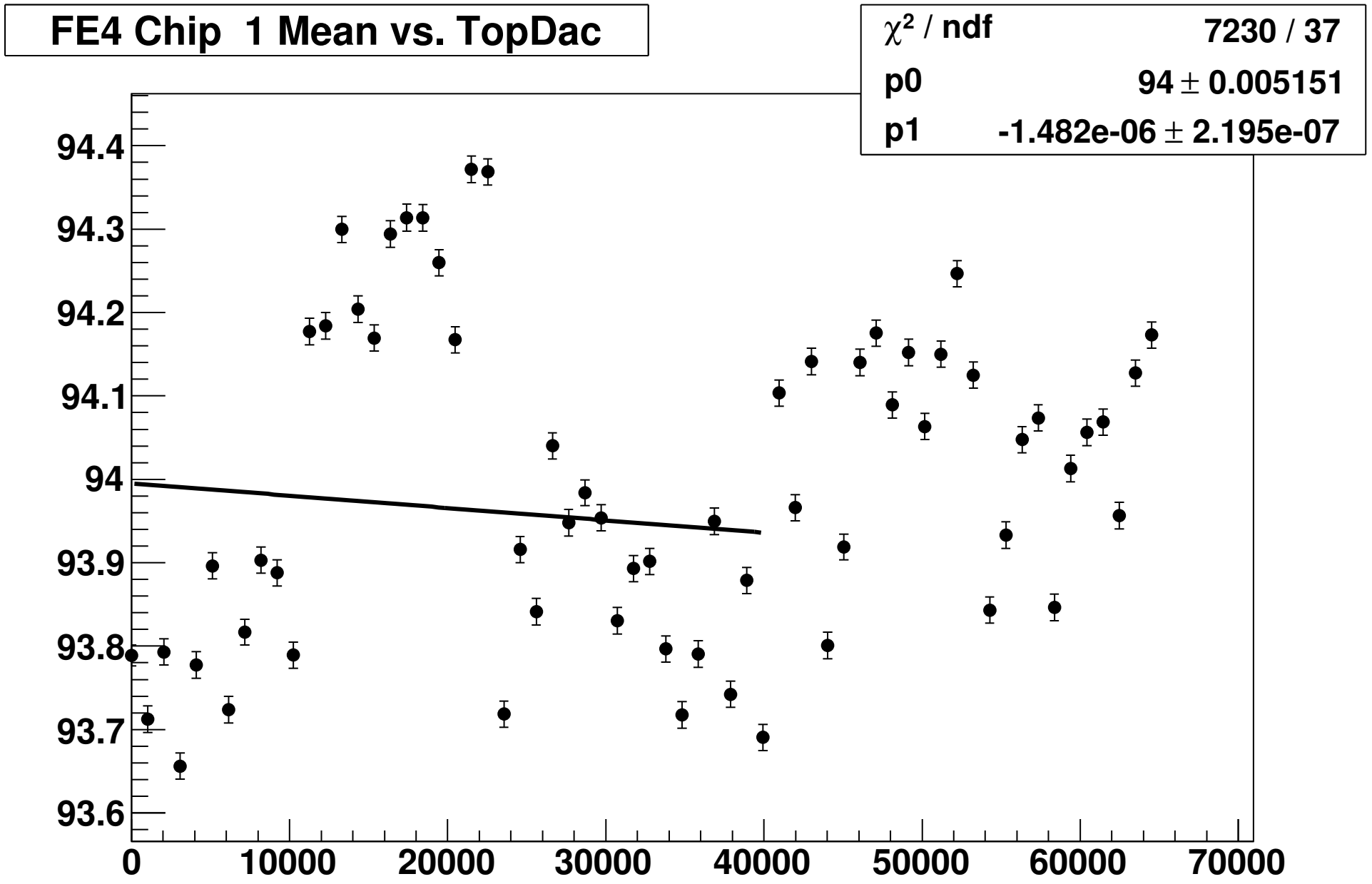
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 7230 / 37
p0 94 ± 0.005151
p1 -1.482e-06 ± 2.195e-07
94.4
94.3
94.2
94.1
94
93.9
93.8
93.7
93.6
0
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20000
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50000
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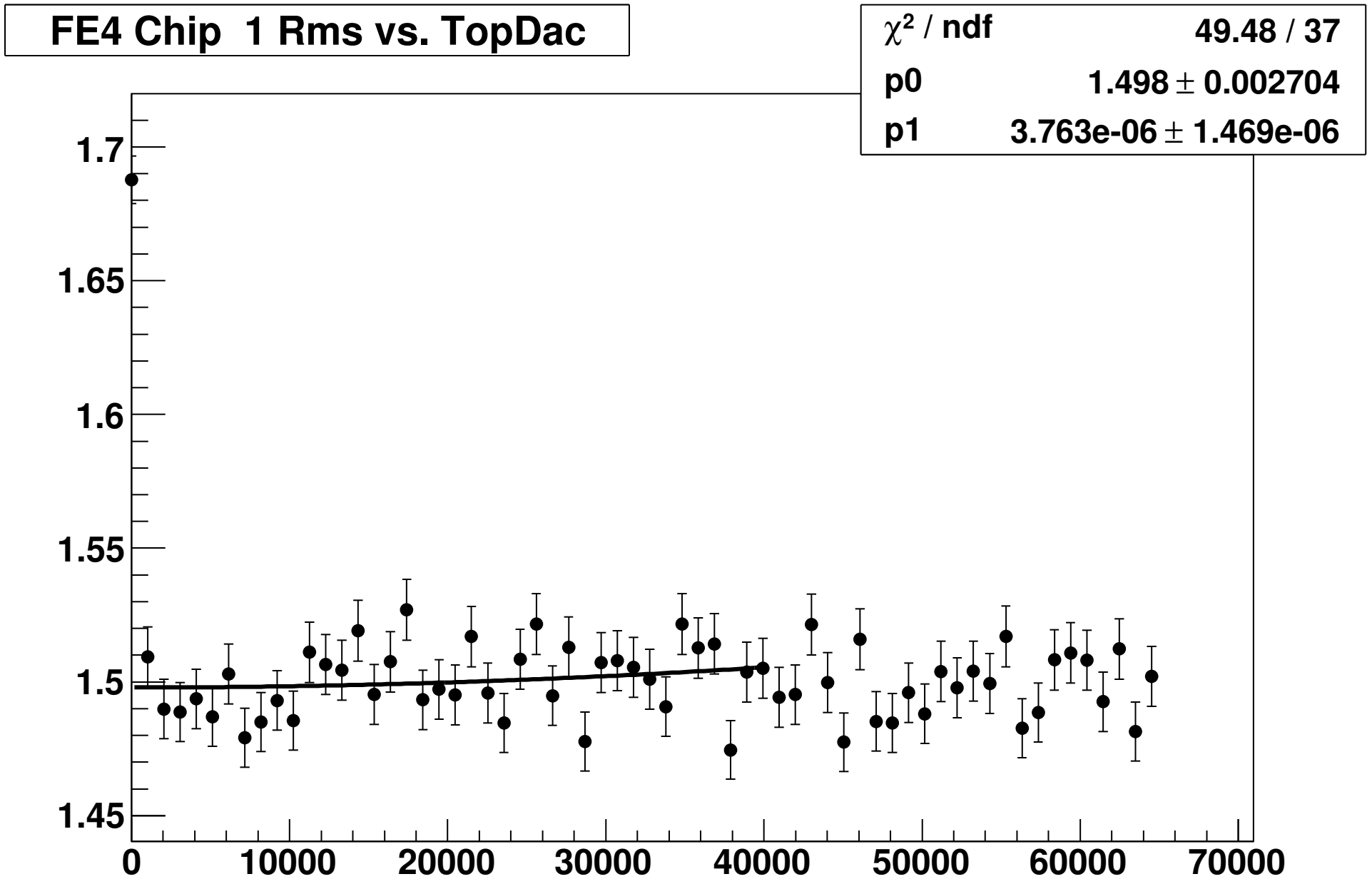
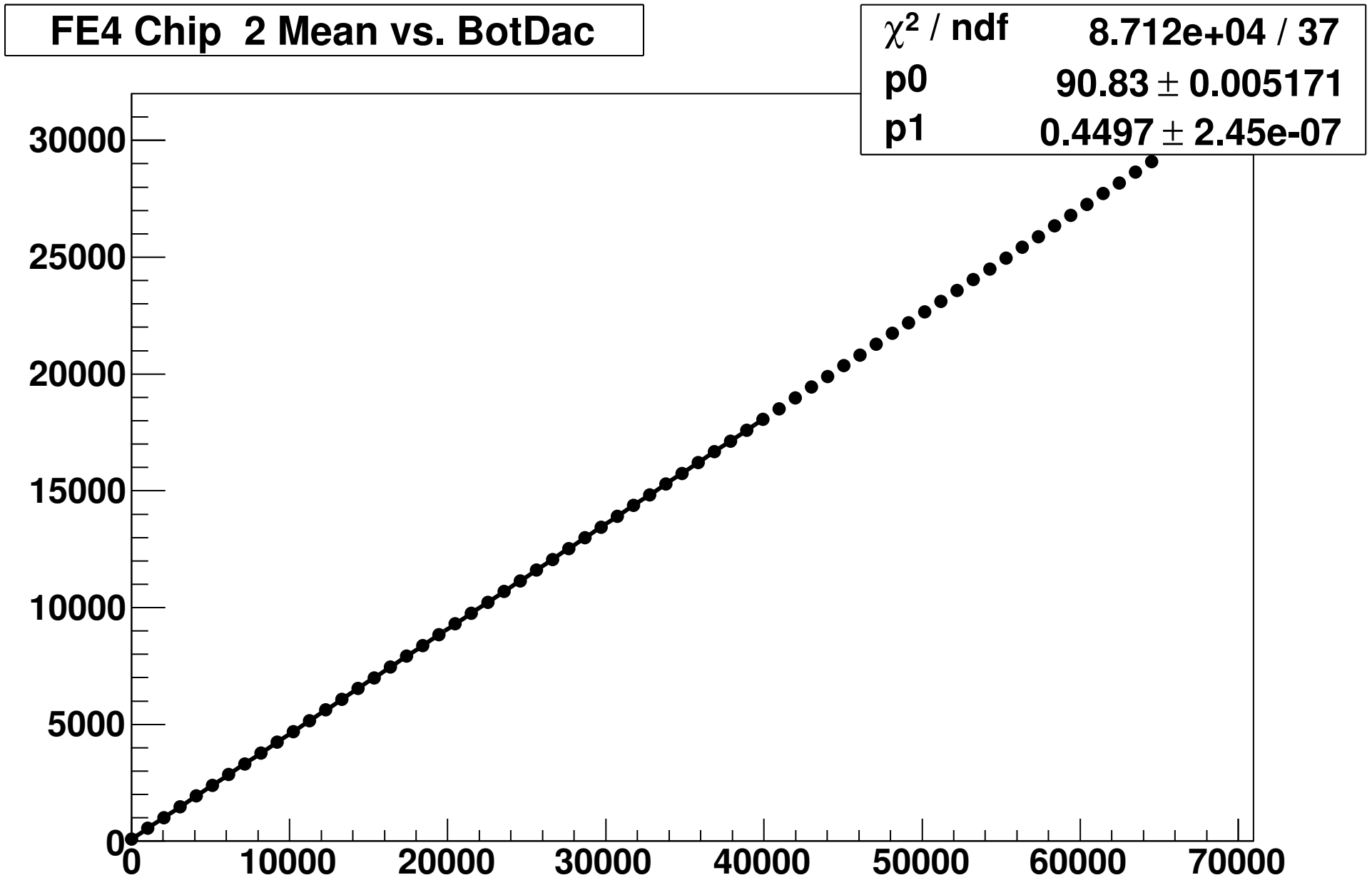
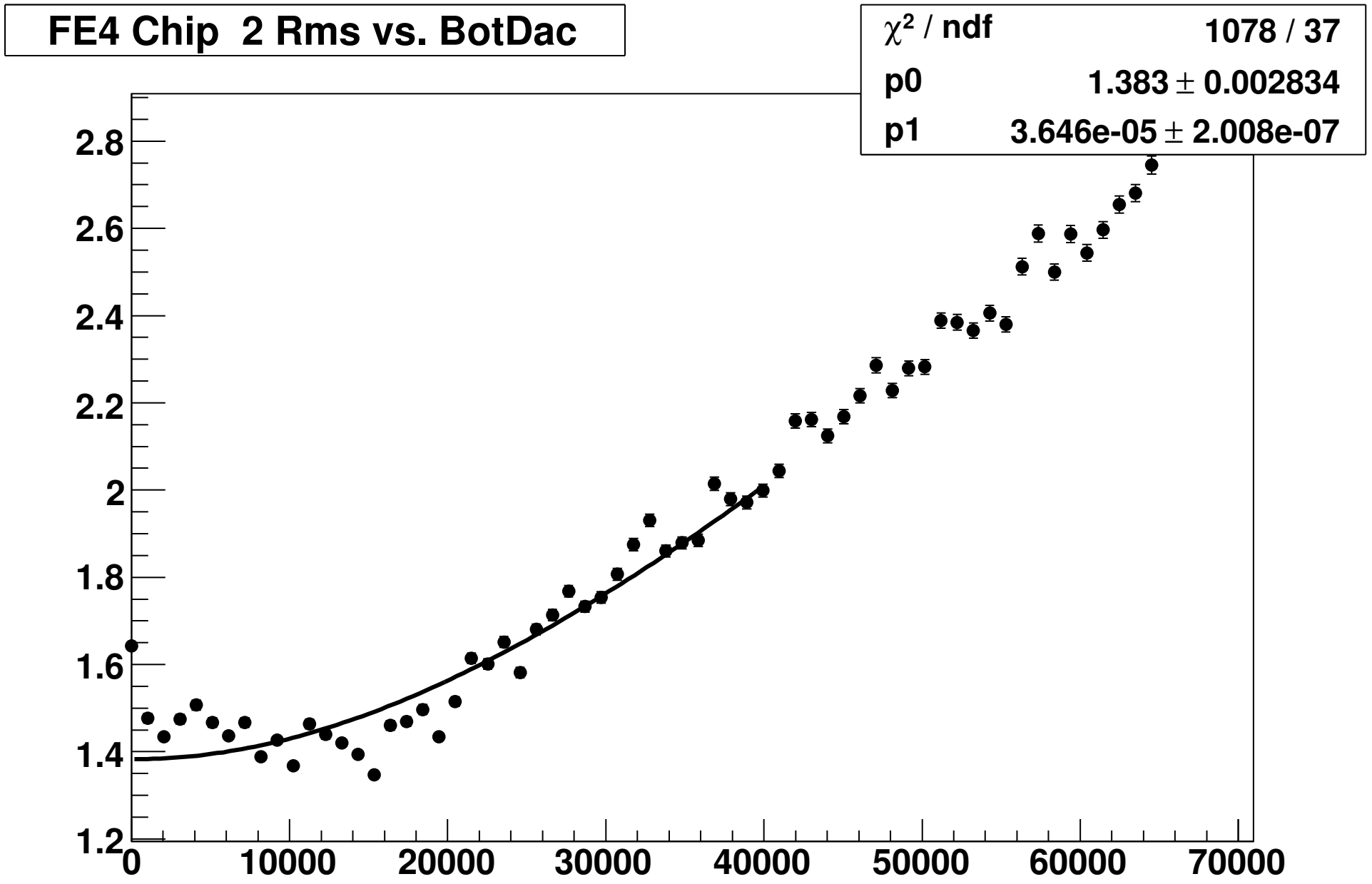
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 49.48 / 37
p0 1.498 ± 0.002704
p1 3.763e-06 ± 1.469e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 8.712e+04 / 37
p0 90.83 ± 0.005171
p1 0.4497 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1078 / 37
p0 1.383 ± 0.002834
p1 3.646e-05 ± 2.008e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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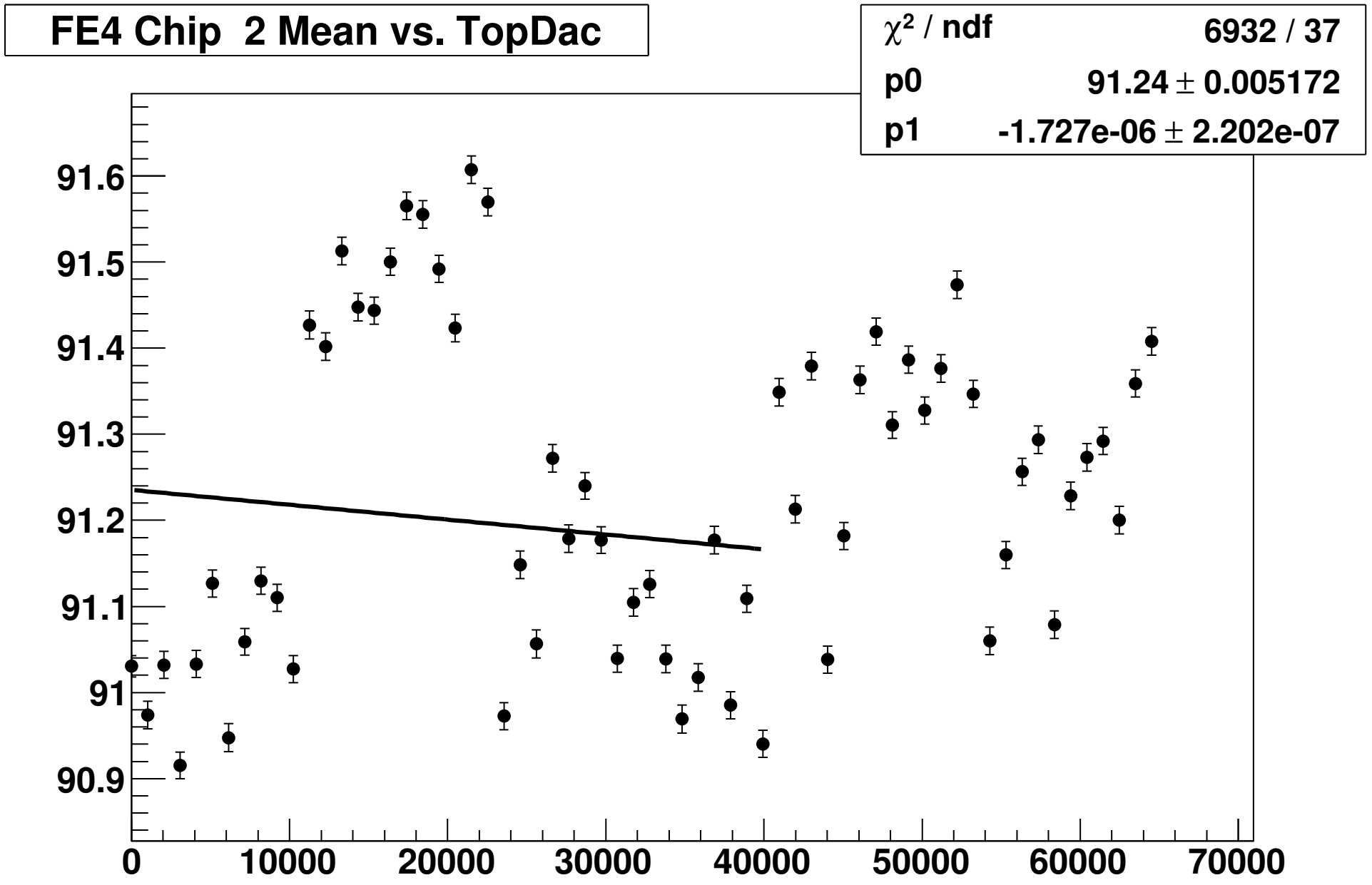
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 6932 / 37
p0 91.24 ± 0.005172
p1 -1.727e-06 ± 2.202e-07
91.6
91.5
91.4
91.3
91.2
91.1
91
90.9
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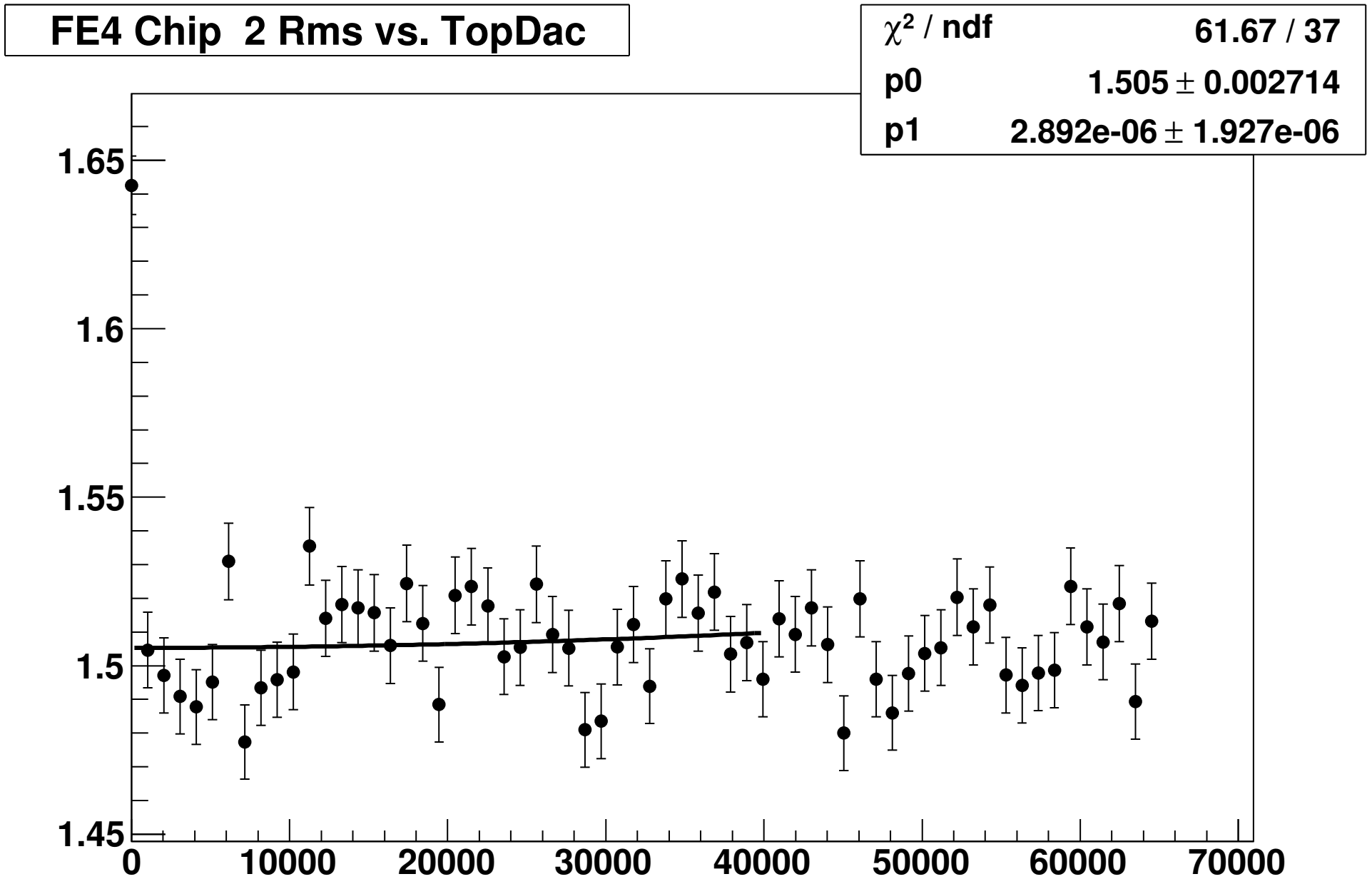
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 61.67 / 37
p0 1.505 ± 0.002714
p1 2.892e-06 ± 1.927e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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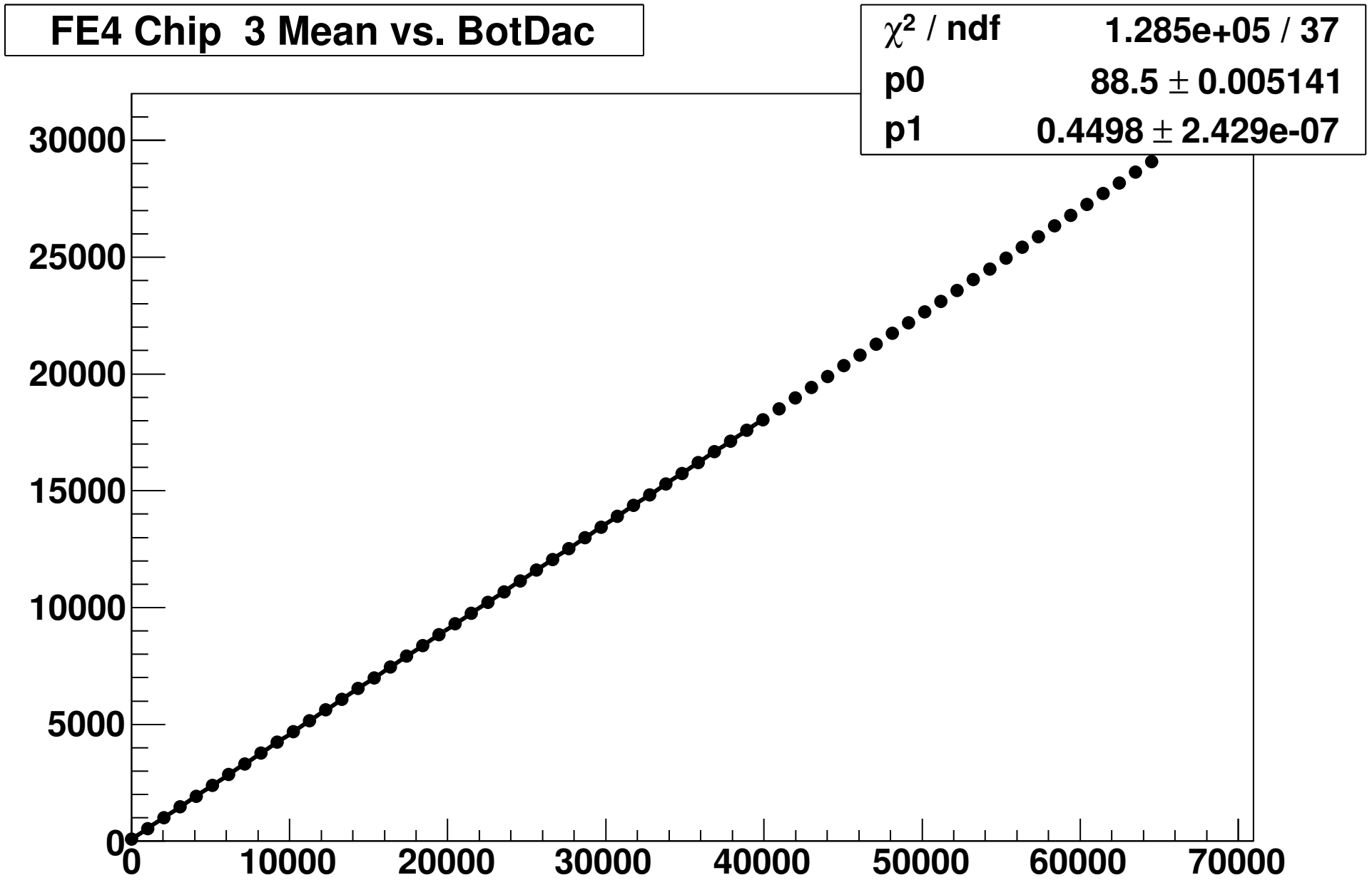
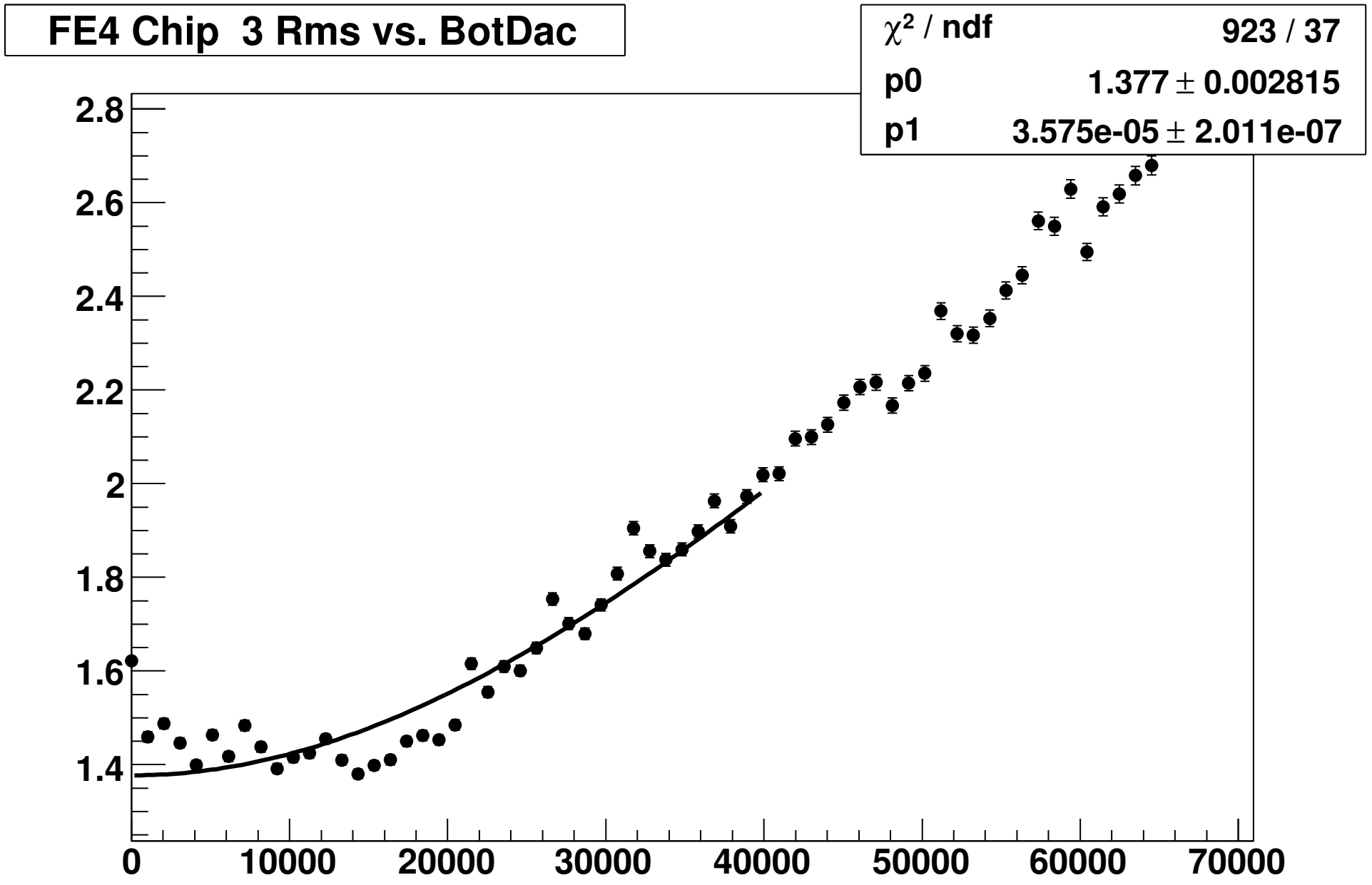

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.285e+05 / 37
p0 88.5 ± 0.005141
p1 0.4498 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 923 / 37
p0 1.377 ± 0.002815
p1 3.575e-05 ± 2.011e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
60000
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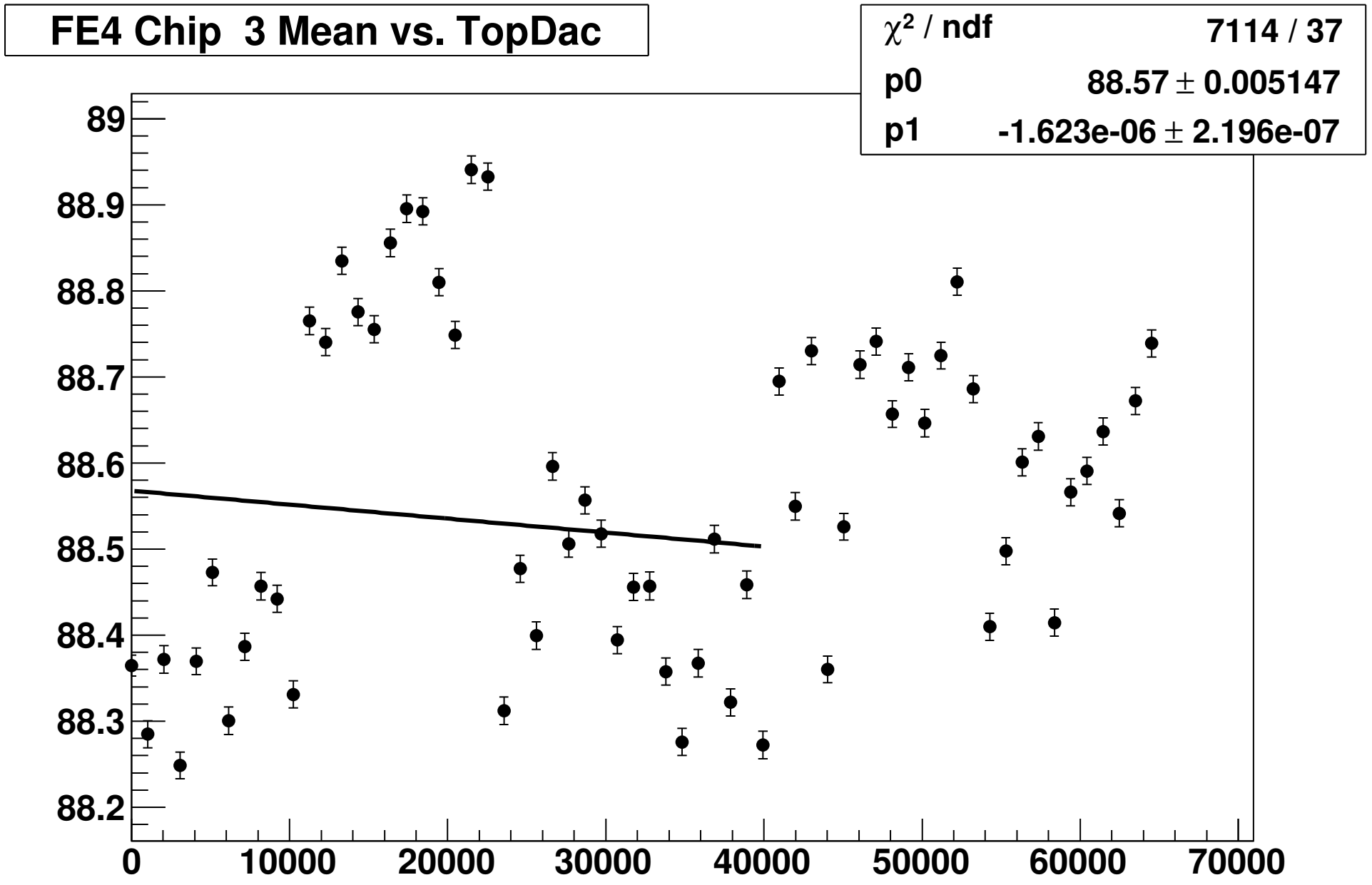
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 7114 / 37
p0 88.57 ± 0.005147
p1 -1.623e-06 ± 2.196e-07
89
88.9
88.8
88.7
88.6
88.5
88.4
88.3
88.2
0
10000
20000
30000
40000
50000
60000
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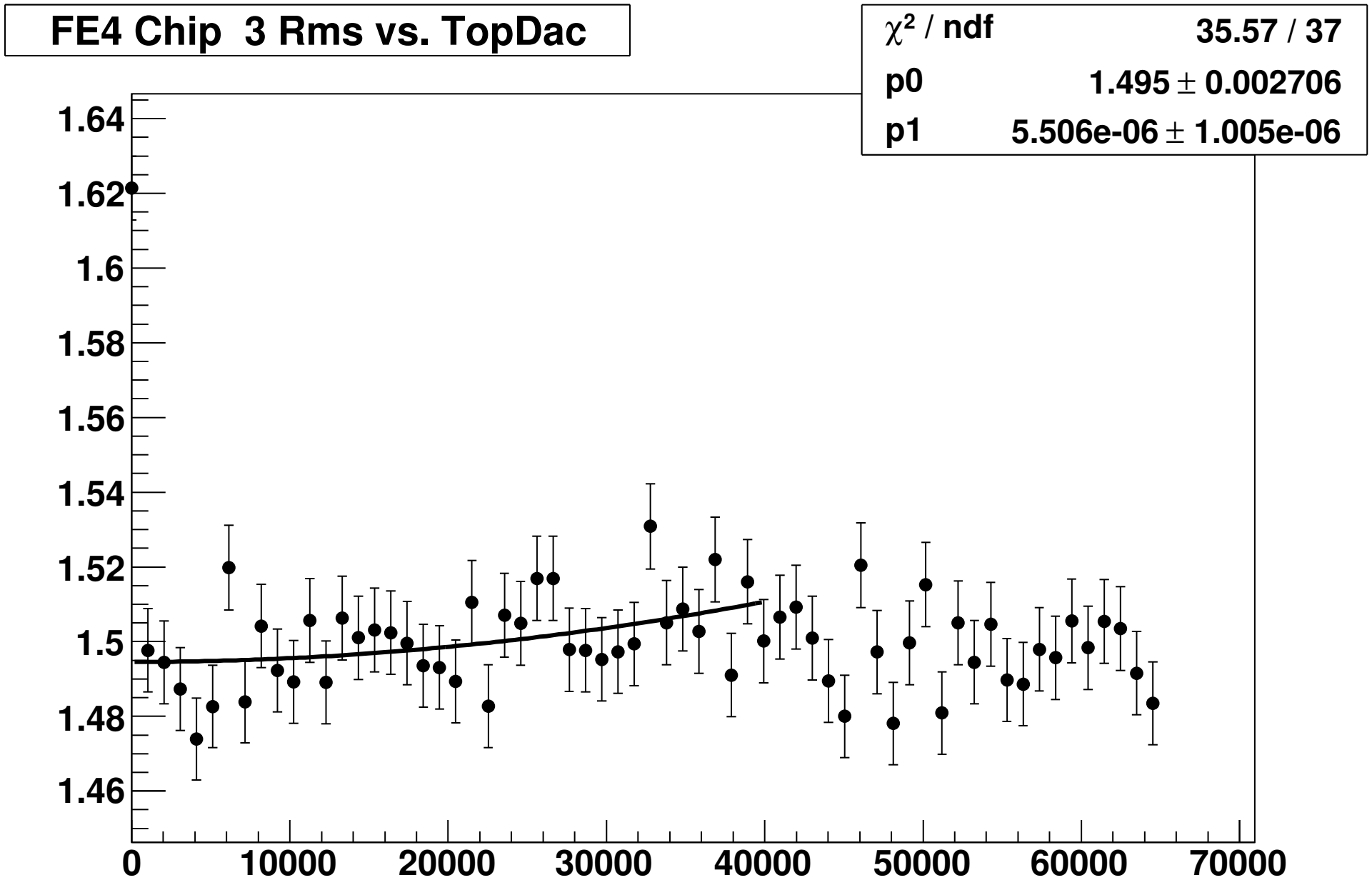
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 35.57 / 37
p0 1.495 ± 0.002706
p1 5.506e-06 ± 1.005e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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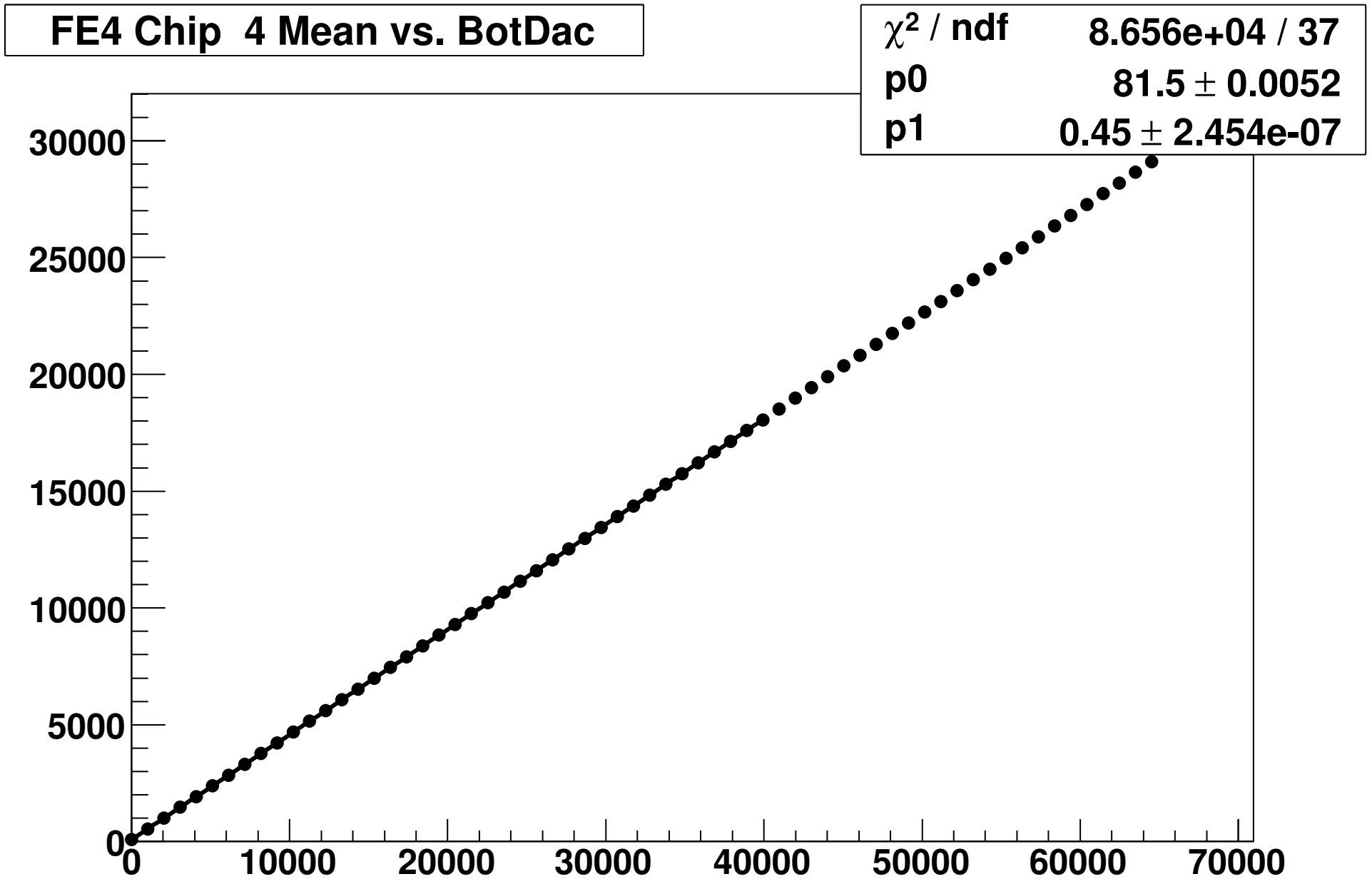
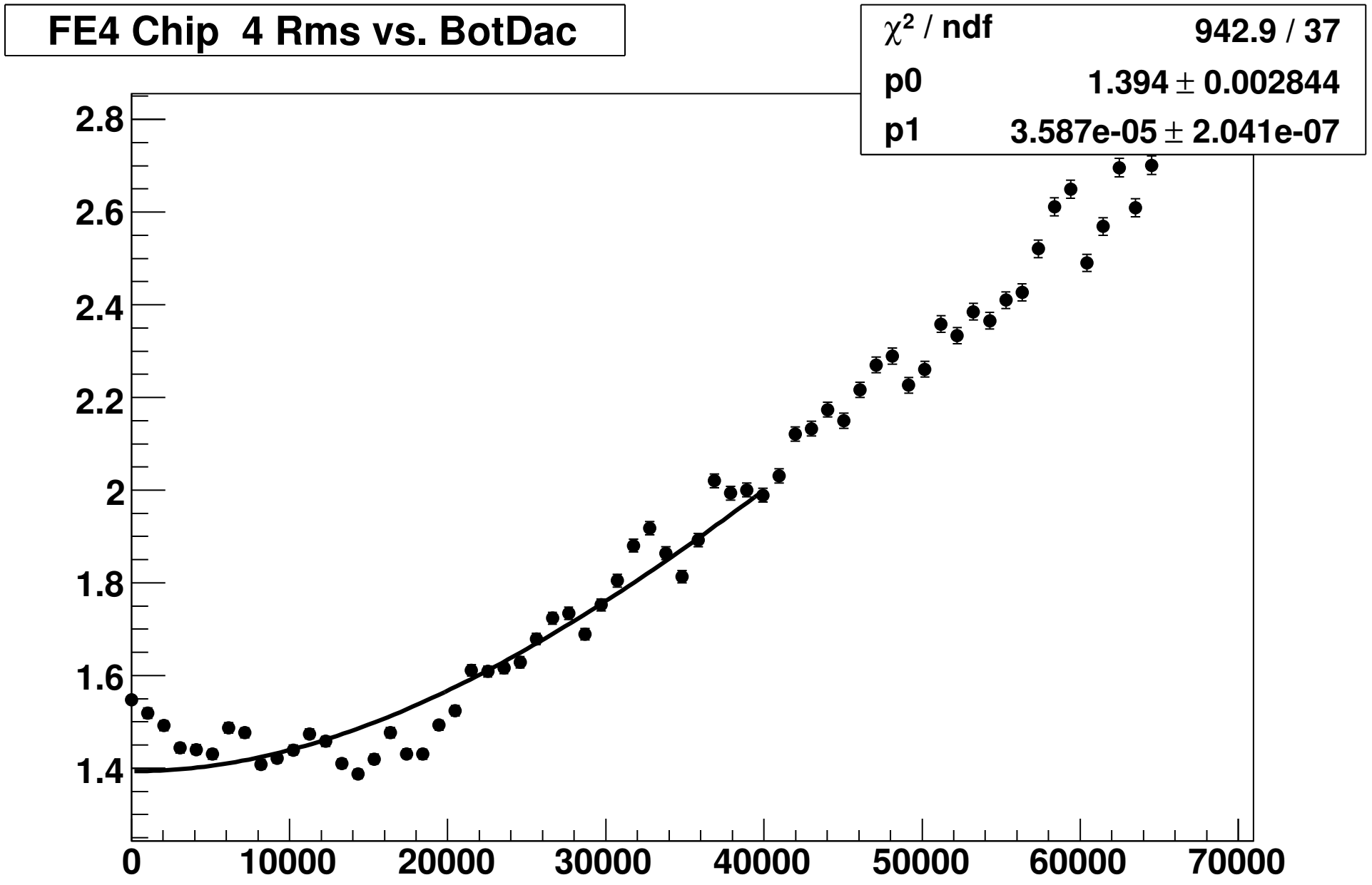
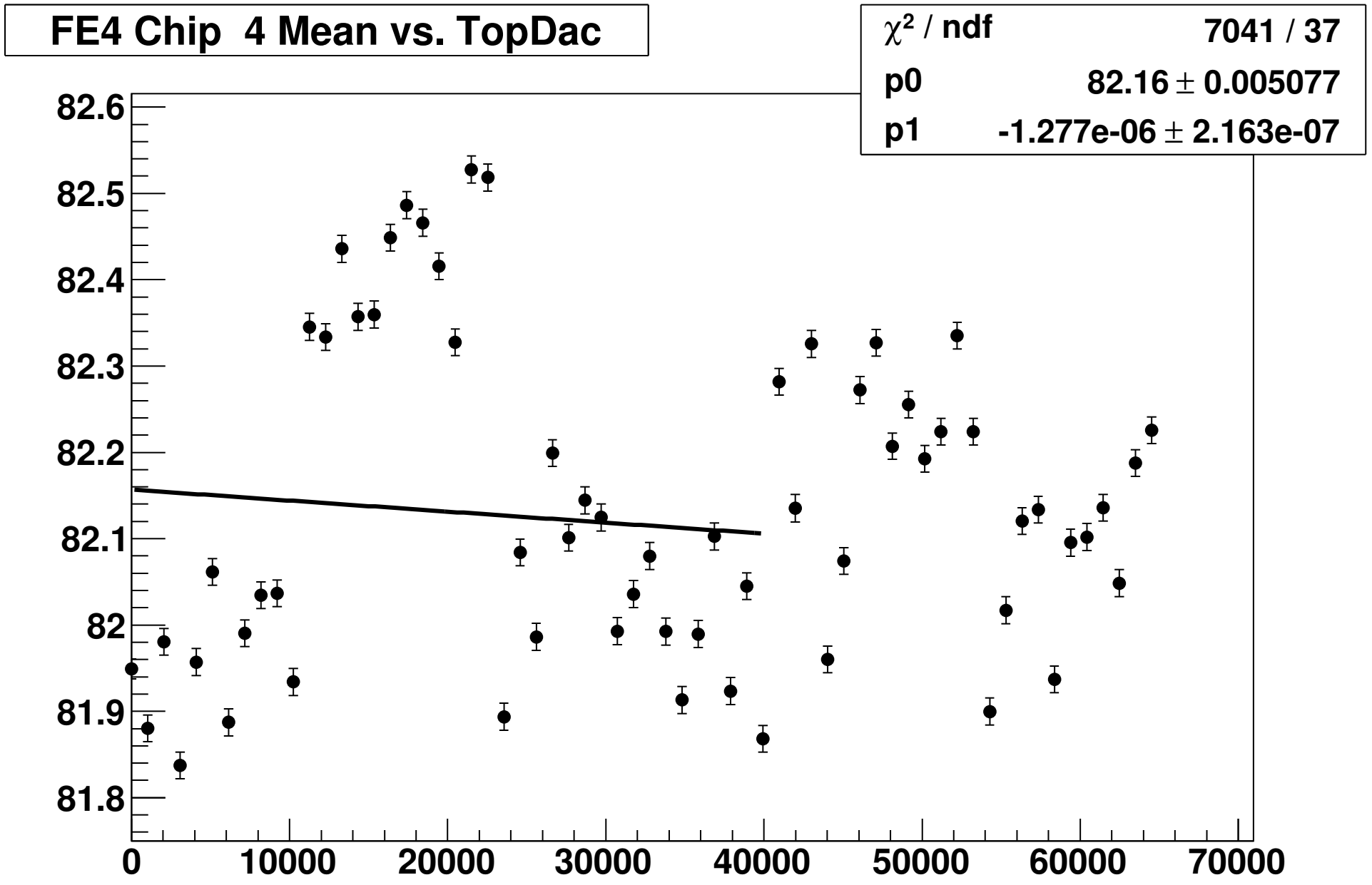

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.656e+04 / 37
p0 81.5 ± 0.0052
p1 0.45 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 942.9 / 37
p0 1.394 ± 0.002844
p1 3.587e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 7041 / 37
p0 82.16 ± 0.005077
p1 -1.277e-06 ± 2.163e-07
82.6
82.5
82.4
82.3
82.2
82.1
82
81.9
81.8
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10000
20000
30000
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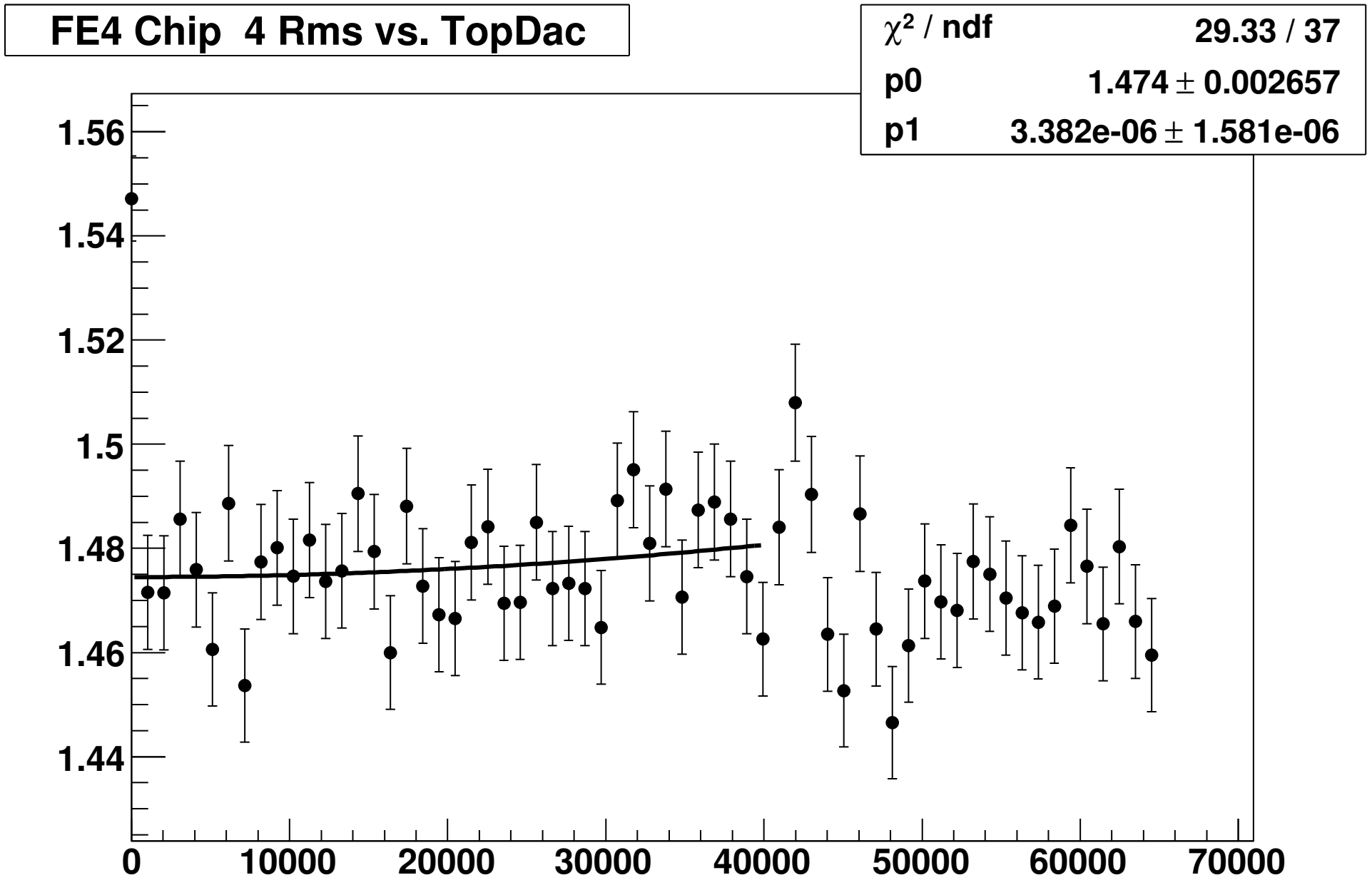
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 29.33 / 37
p0 1.474 ± 0.002657
p1 3.382e-06 ± 1.581e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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20000
30000
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50000
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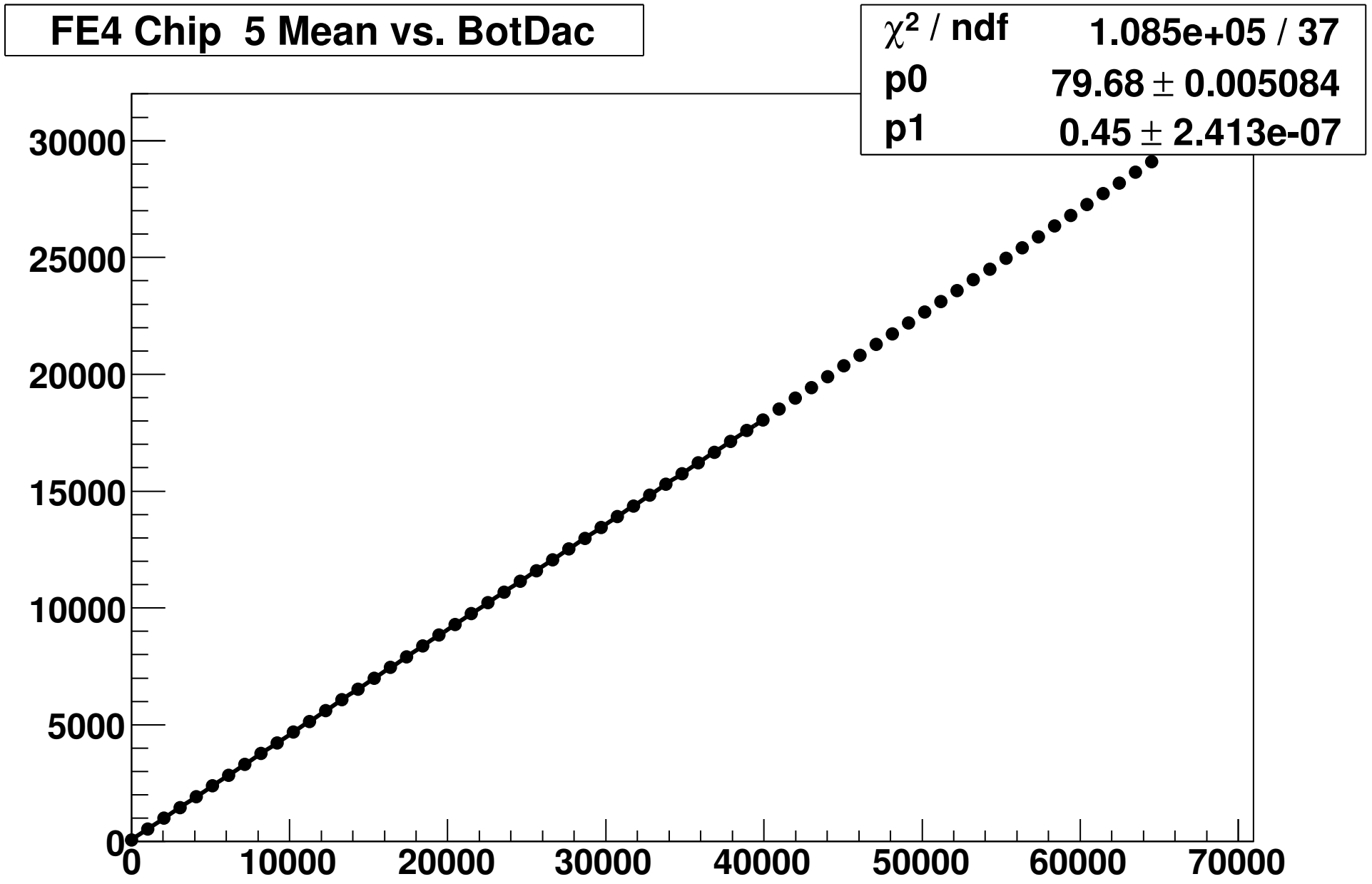
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.085e+05 / 37
p0 79.68 ± 0.005084
p1 0.45 ± 2.413e-07
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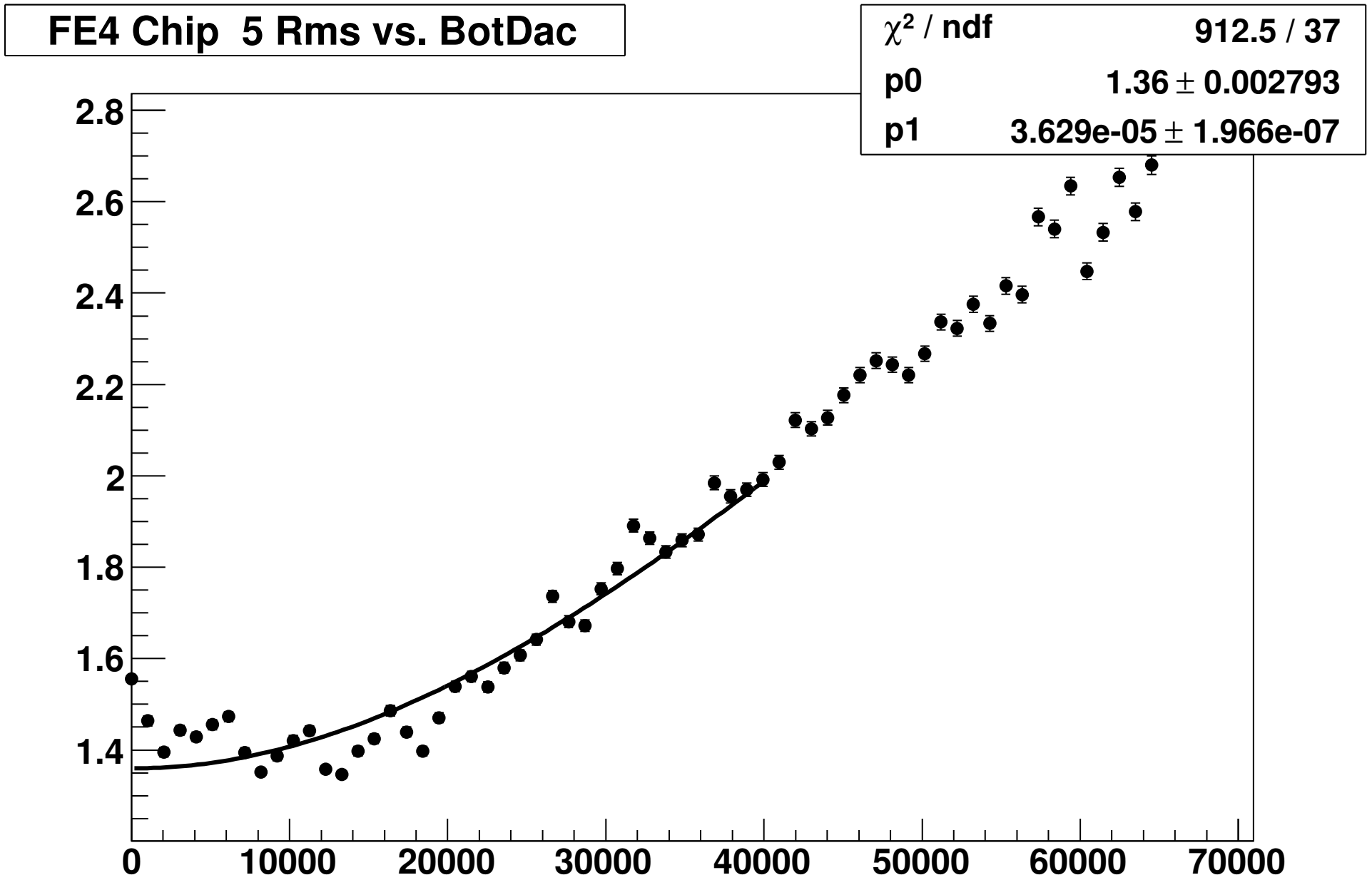
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 912.5 / 37
p0 1.36 ± 0.002793
p1 3.629e-05 ± 1.966e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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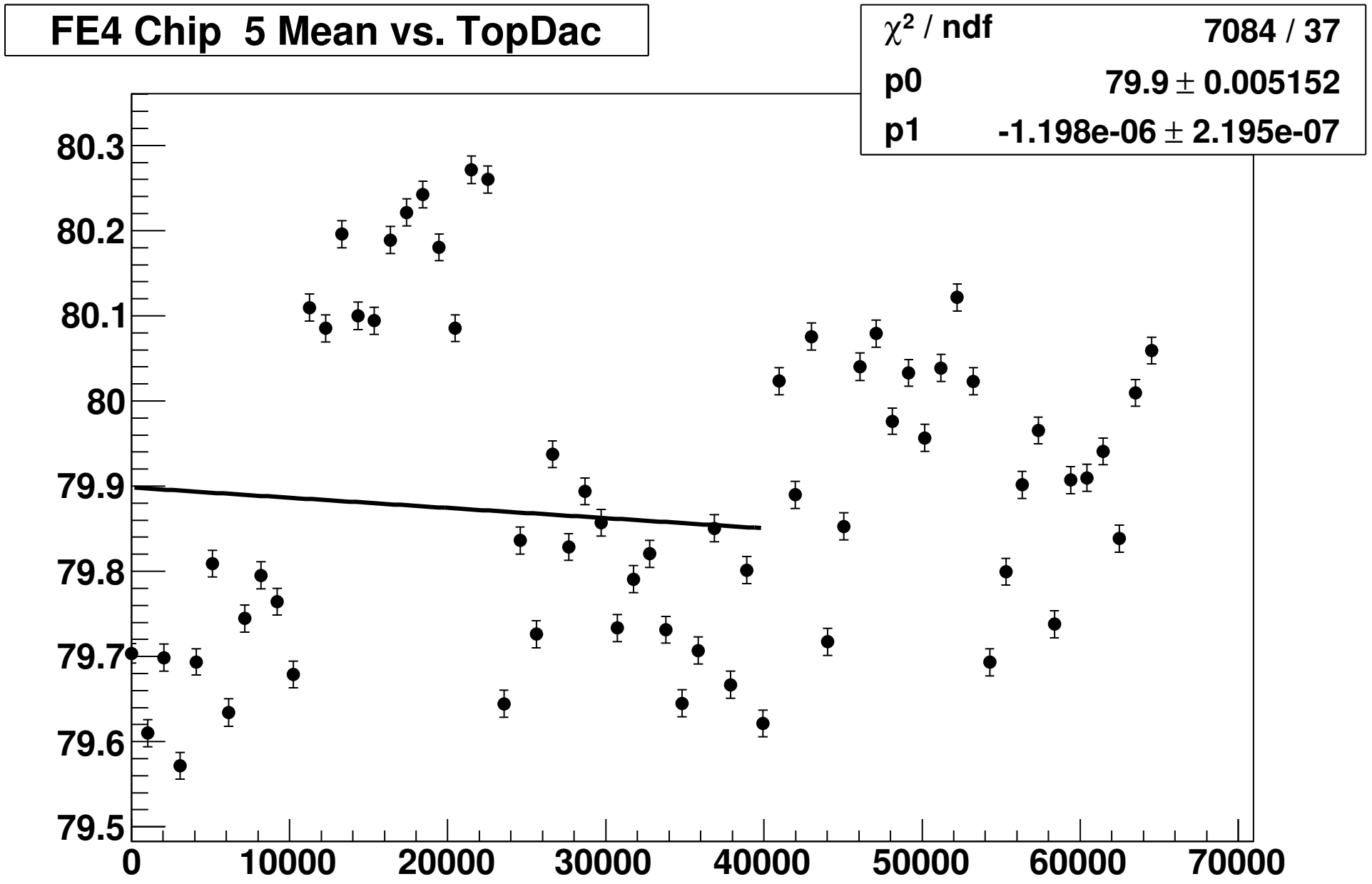
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 7084 / 37
p0 79.9 ± 0.005152
p1 -1.198e-06 ± 2.195e-07
80.3
80.2
80.1
80
79.9
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79.7
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79.5
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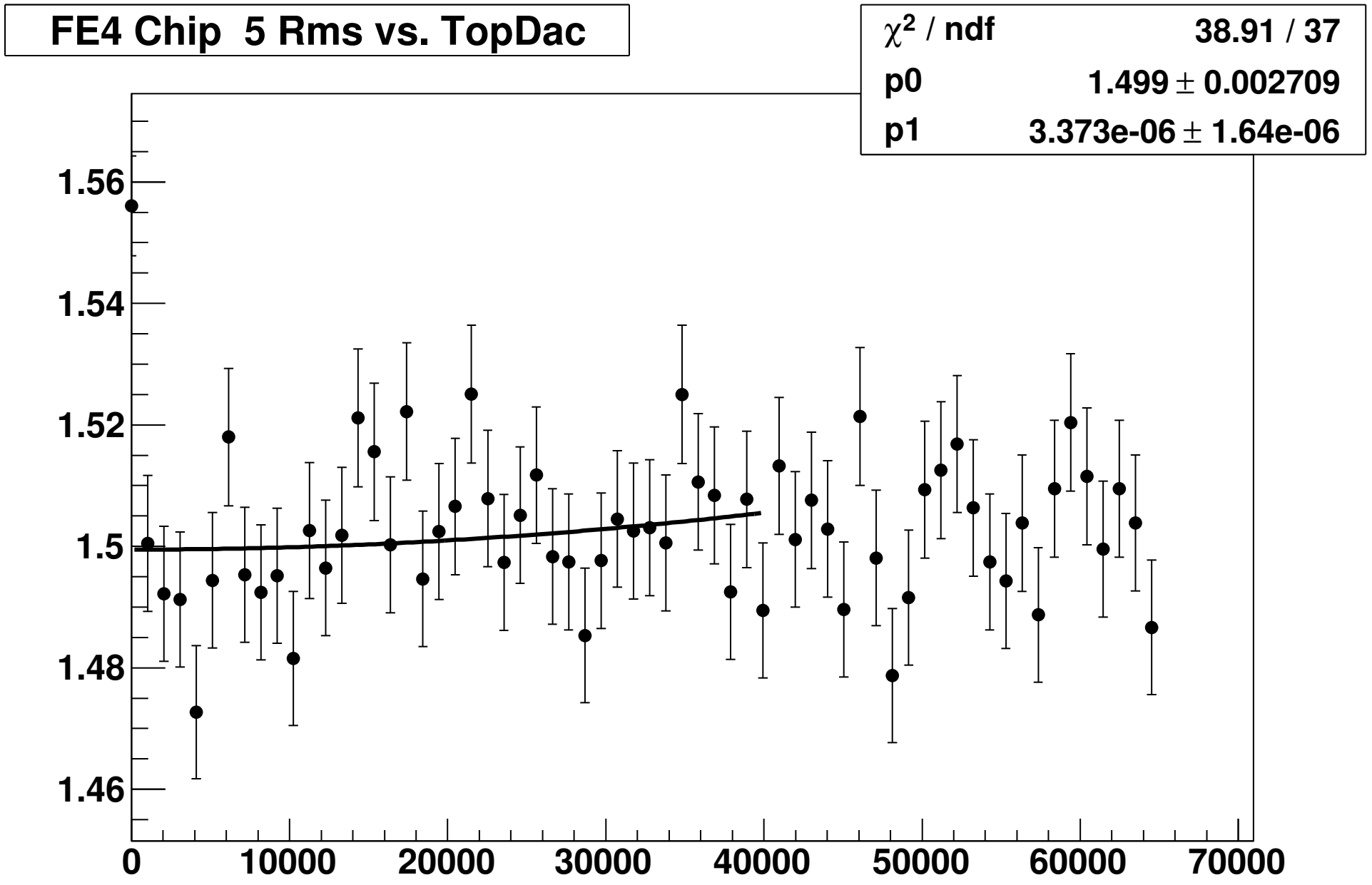
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 38.91 / 37
p0 1.499 ± 0.002709
p1 3.373e-06 ± 1.64e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
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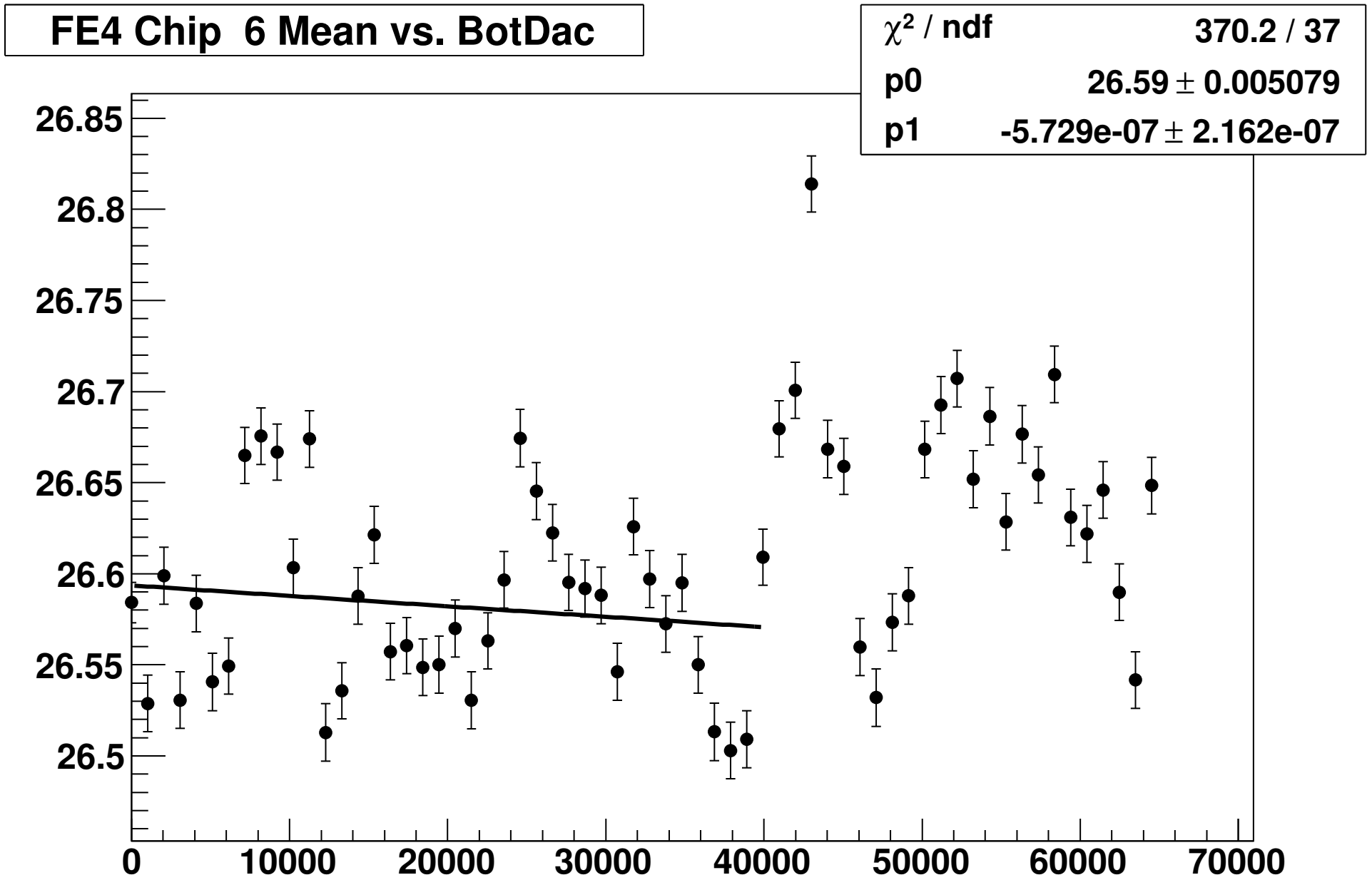
FE4 Chip 6 Mean vs. BotDac
χ² / ndf 370.2 / 37
p0 26.59 ± 0.005079
p1 -5.729e-07 ± 2.162e-07
26.85
26.8
26.75
26.7
26.65
26.6
26.55
26.5
0
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20000
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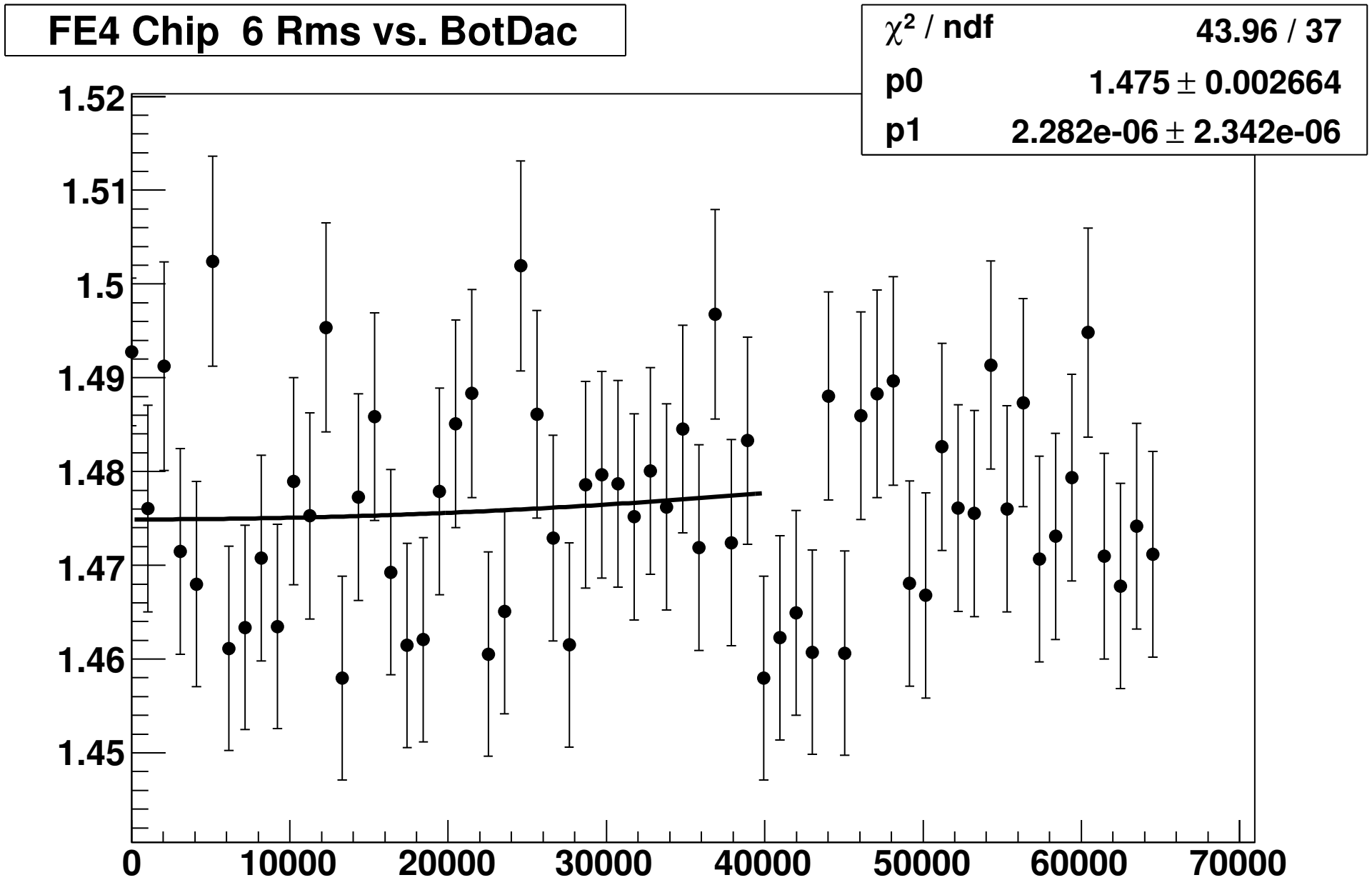
FE4 Chip 6 Rms vs. BotDac
χ² / ndf 43.96 / 37
p0 1.475 ± 0.002664
p1 2.282e-06 ± 2.342e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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20000
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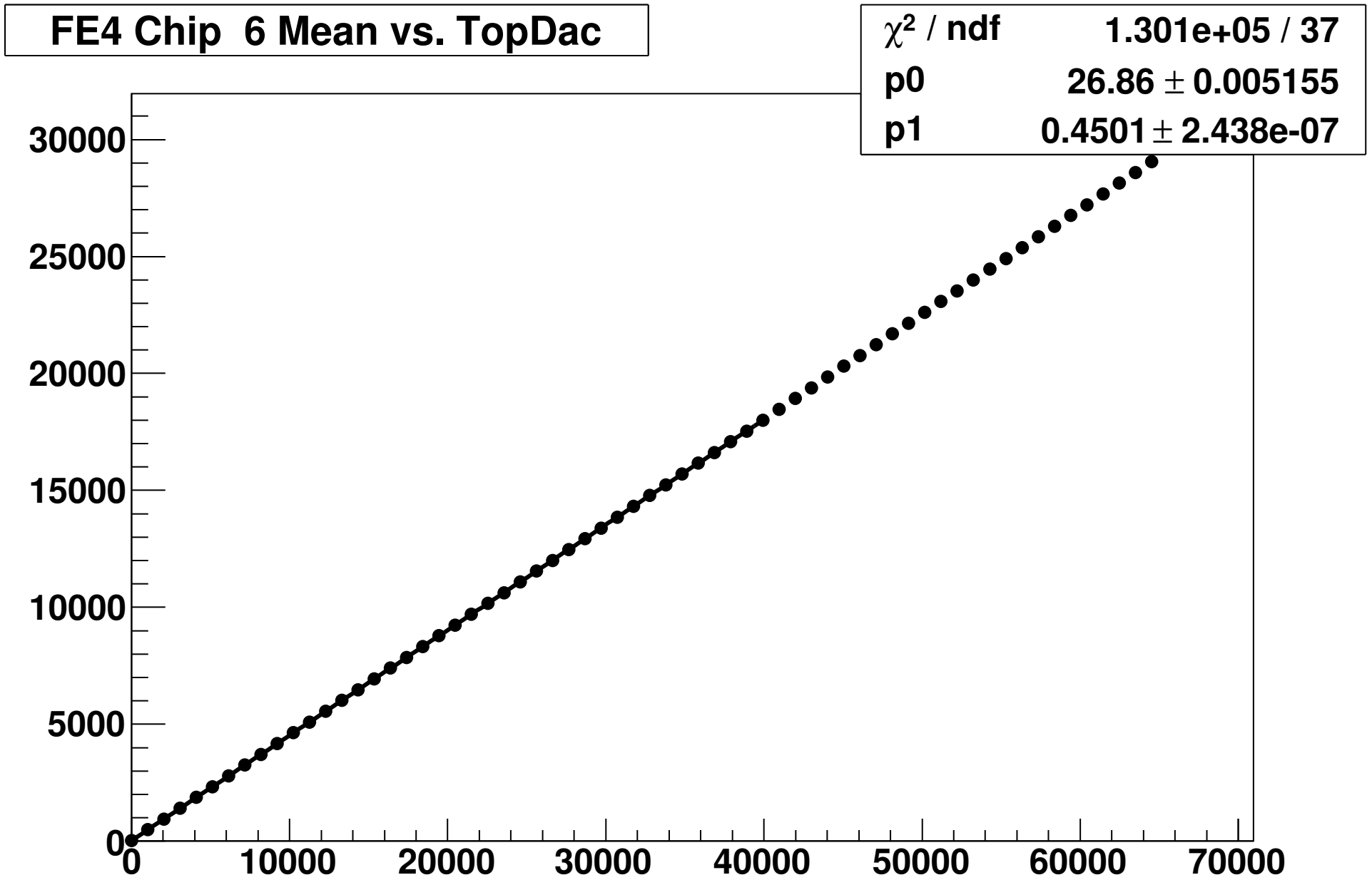
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.301e+05 / 37
p0 26.86 ± 0.005155
p1 0.4501 ± 2.438e-07
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15000
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5000
0
0
10000
20000
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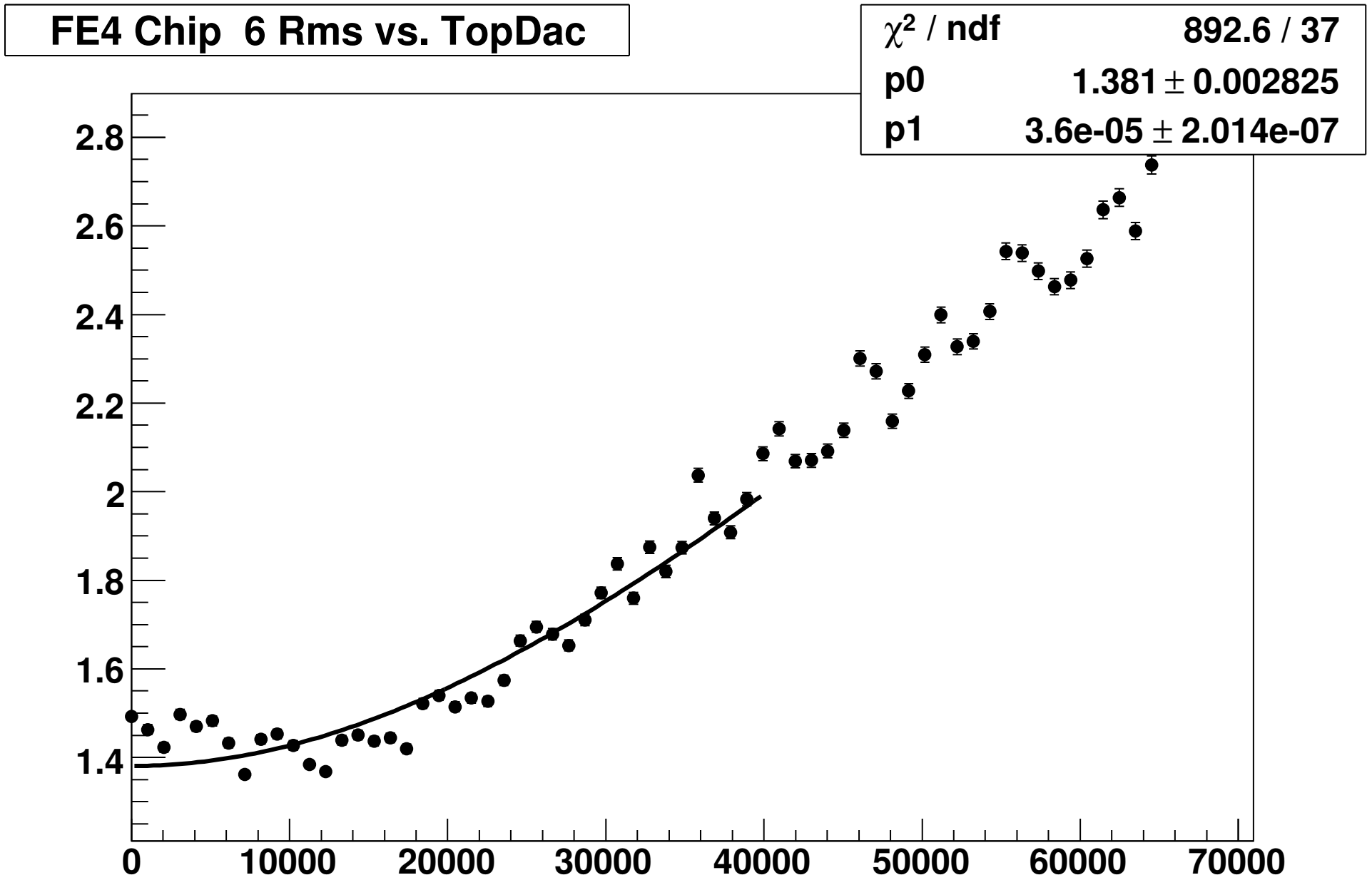
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 892.6 / 37
p0 1.381 ± 0.002825
p1 3.6e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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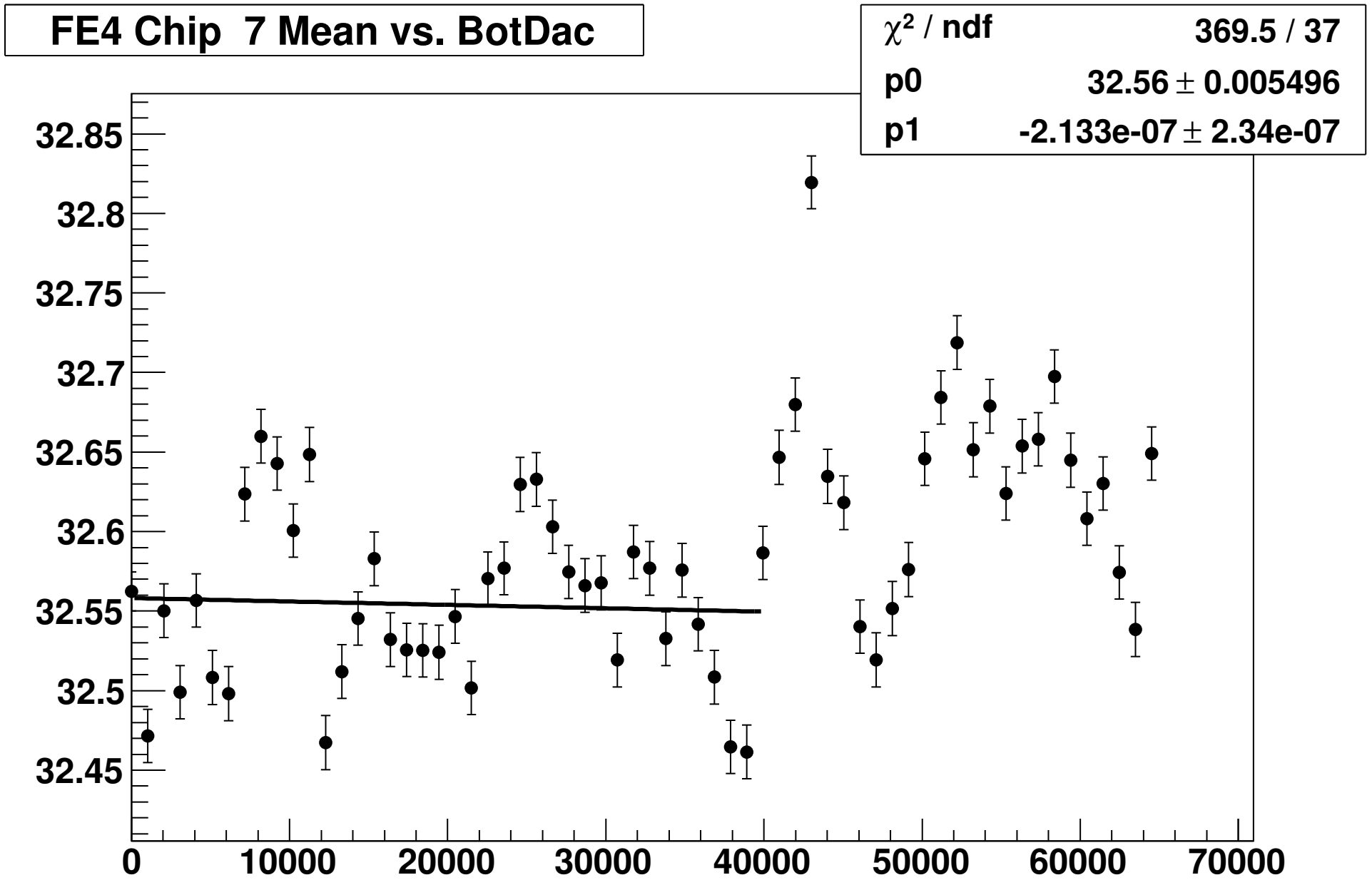
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 369.5 / 37
p0 32.56 ± 0.005496
p1 -2.133e-07 ± 2.34e-07
32.85
32.8
32.75
32.7
32.65
32.6
32.55
32.5
32.45
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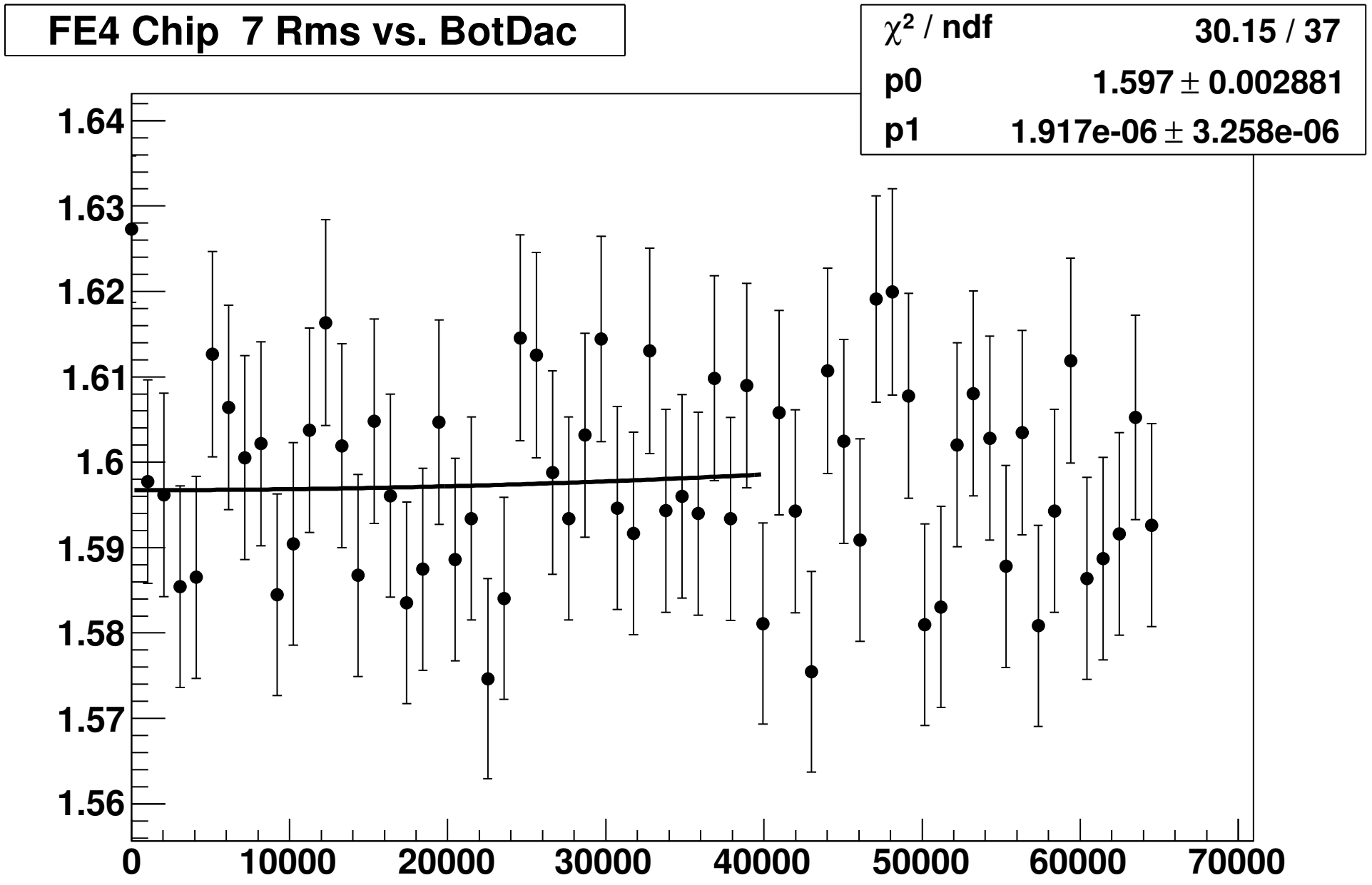
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 30.15 / 37
p0 1.597 ± 0.002881
p1 1.917e-06 ± 3.258e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
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20000
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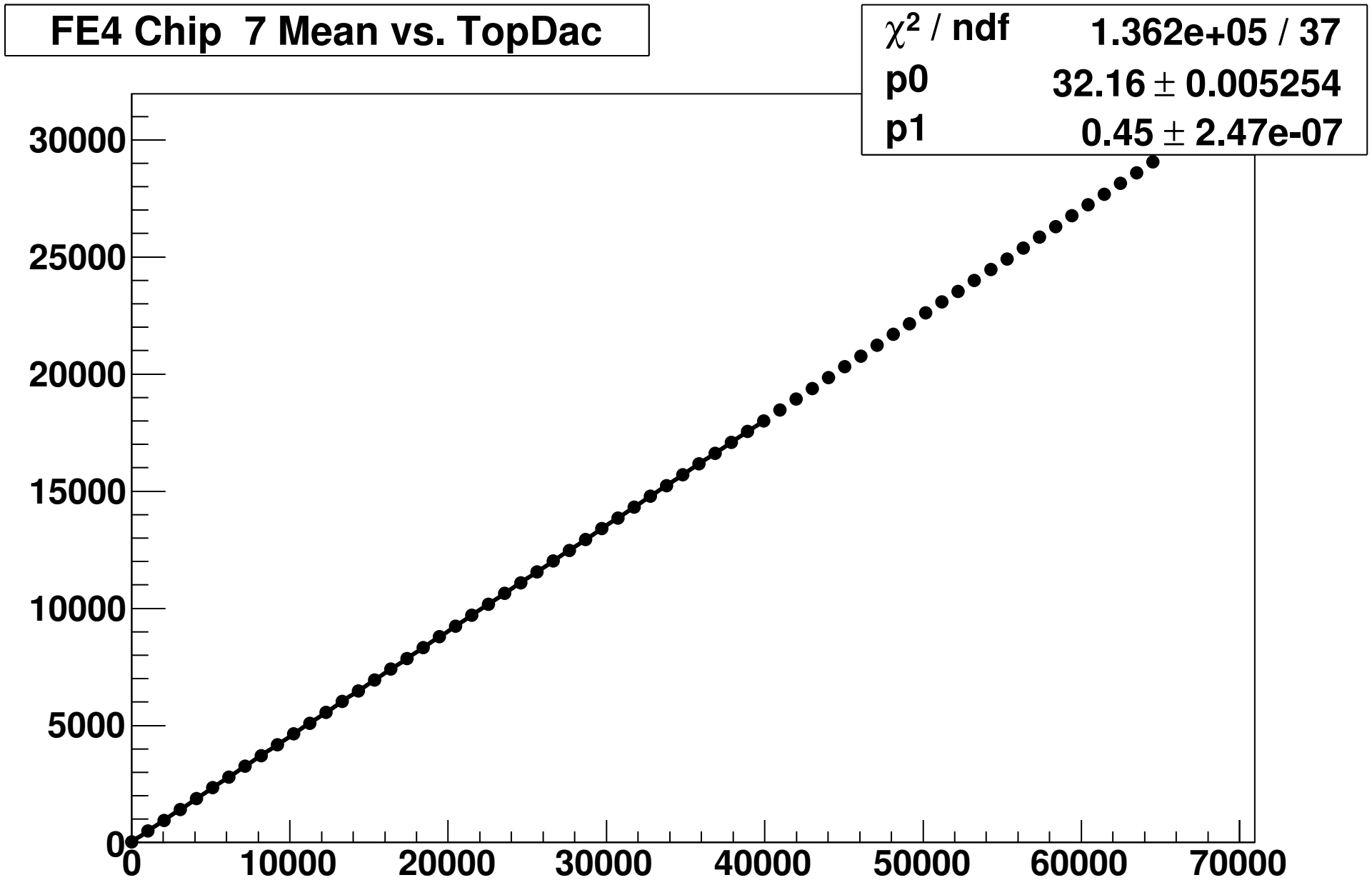
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.362e+05 / 37
p0 32.16 ± 0.005254
p1 0.45 ± 2.47e-07
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20000
15000
10000
5000
0
0
10000
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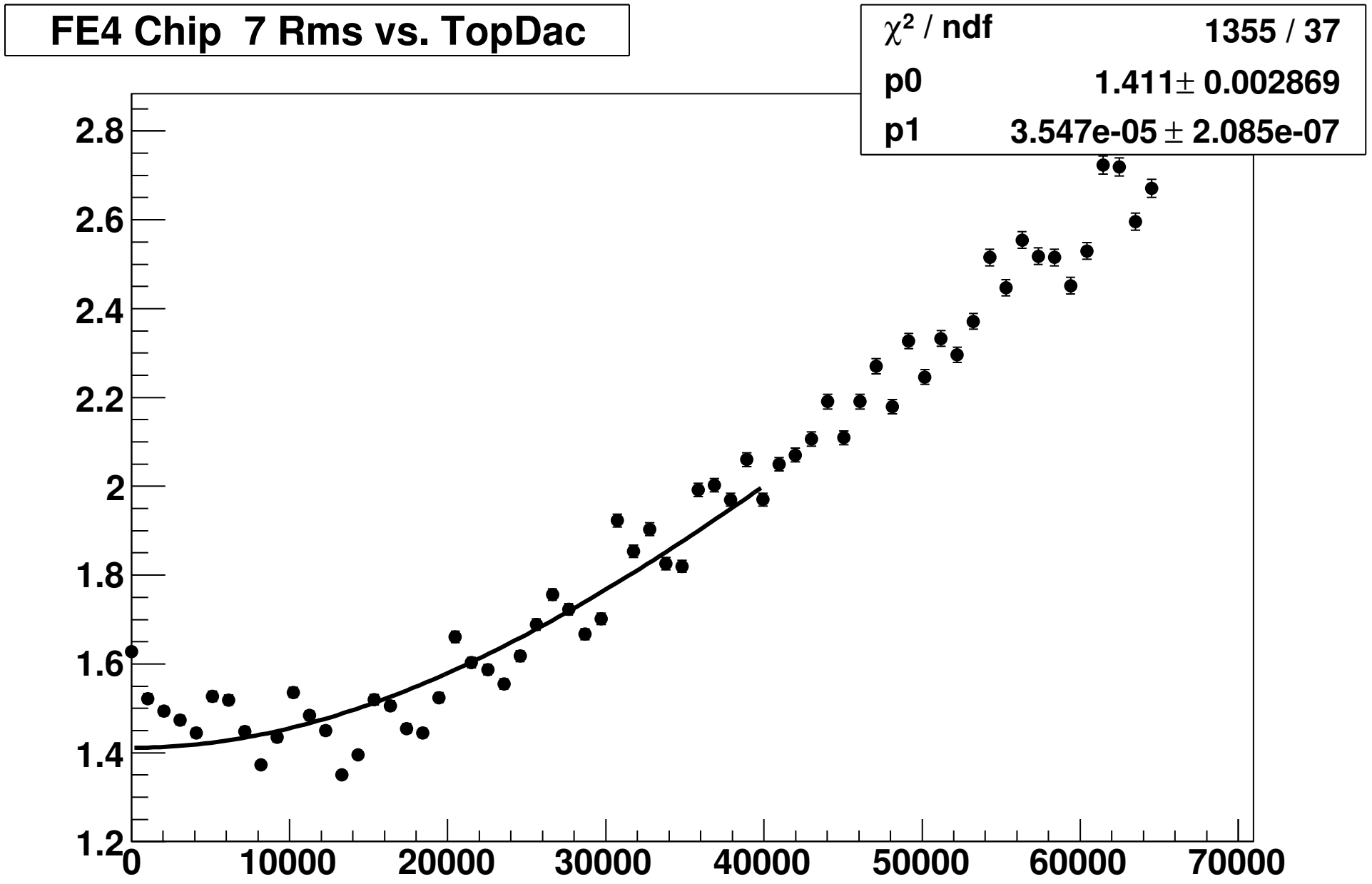
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1355 / 37
p0 1.411 ± 0.002869
p1 3.547e-05 ± 2.085e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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10000
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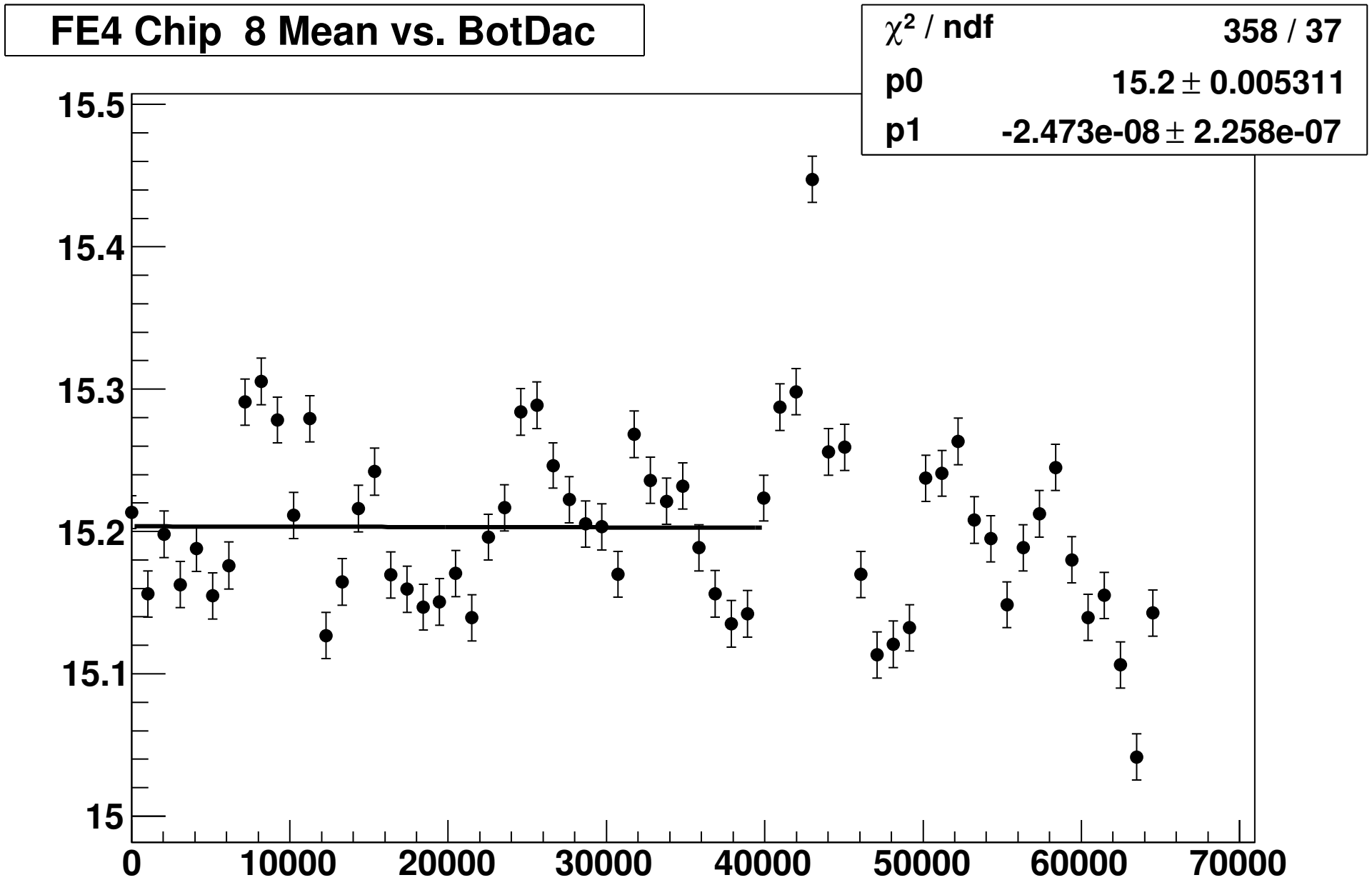
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 358 / 37
p0 15.2 ± 0.005311
p1 -2.473e-08 ± 2.258e-07
15.5
15.4
15.3
15.2
15.1
15
0
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50000
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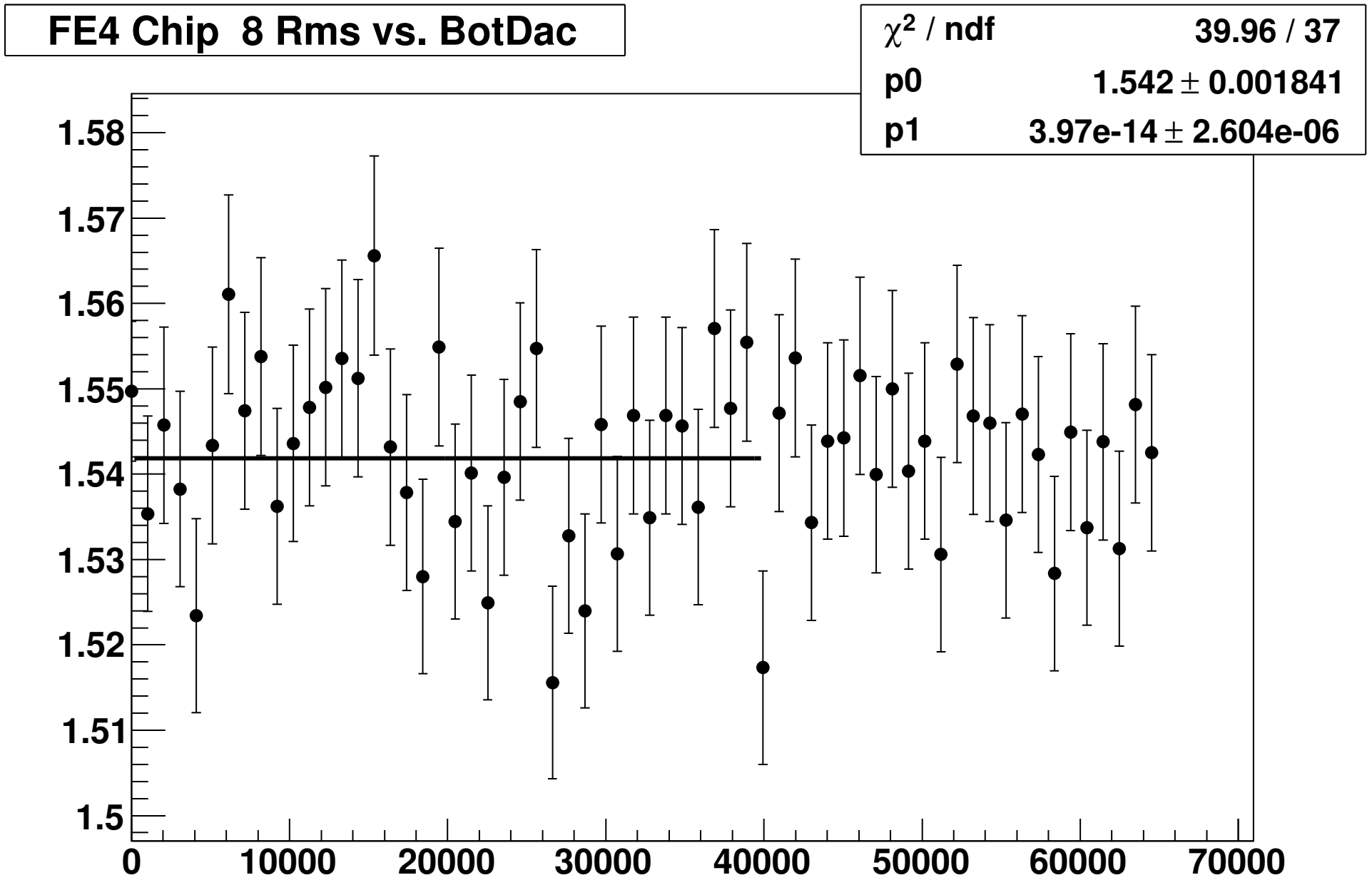
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 39.96 / 37
p0 1.542 ± 0.001841
p1 3.97e-14 ± 2.604e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
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50000
60000
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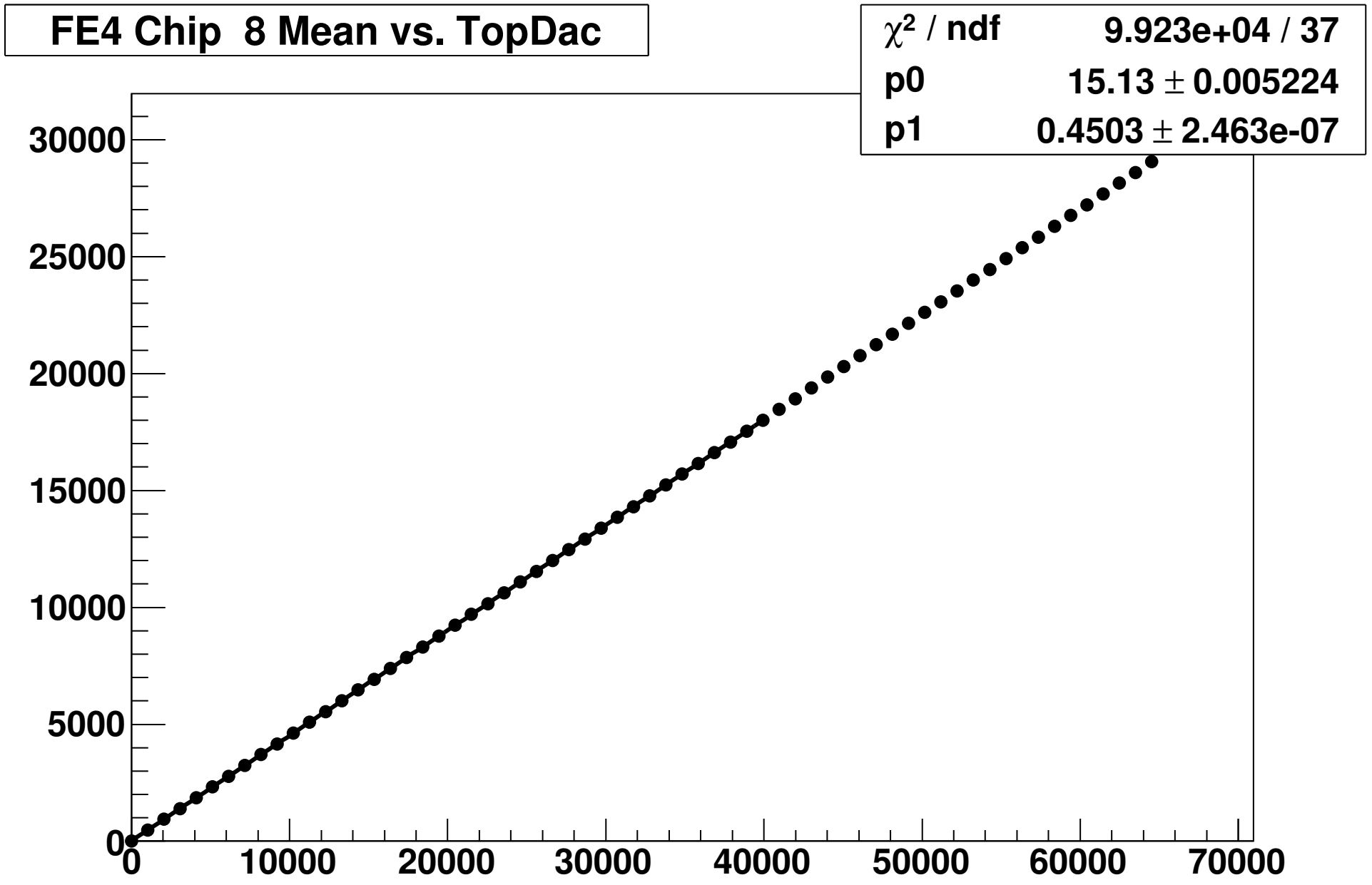
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 9.923e+04 / 37
p0 15.13 ± 0.005224
p1 0.4503 ± 2.463e-07
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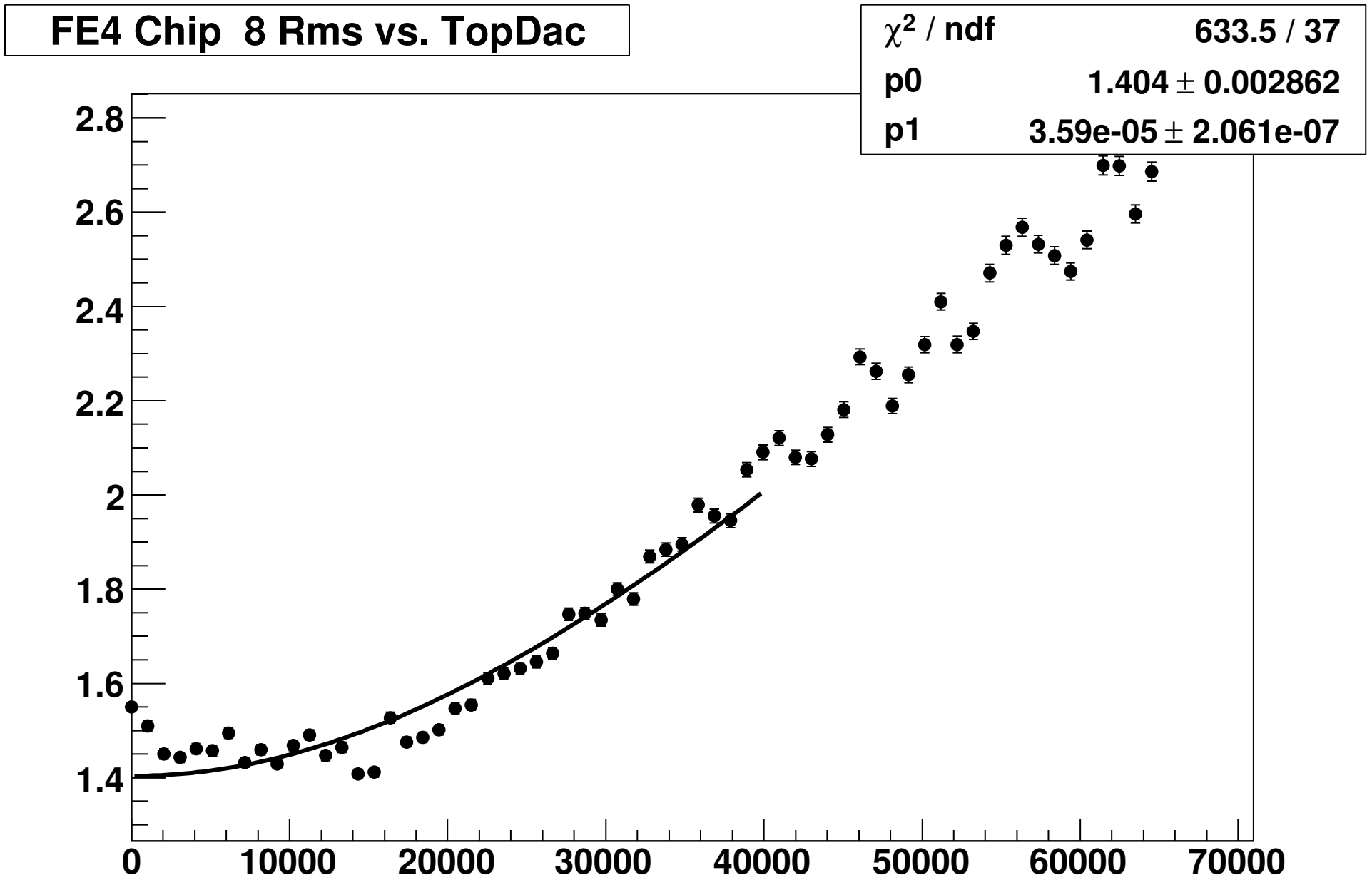
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 633.5 / 37
p0 1.404 ± 0.002862
p1 3.59e-05 ± 2.061e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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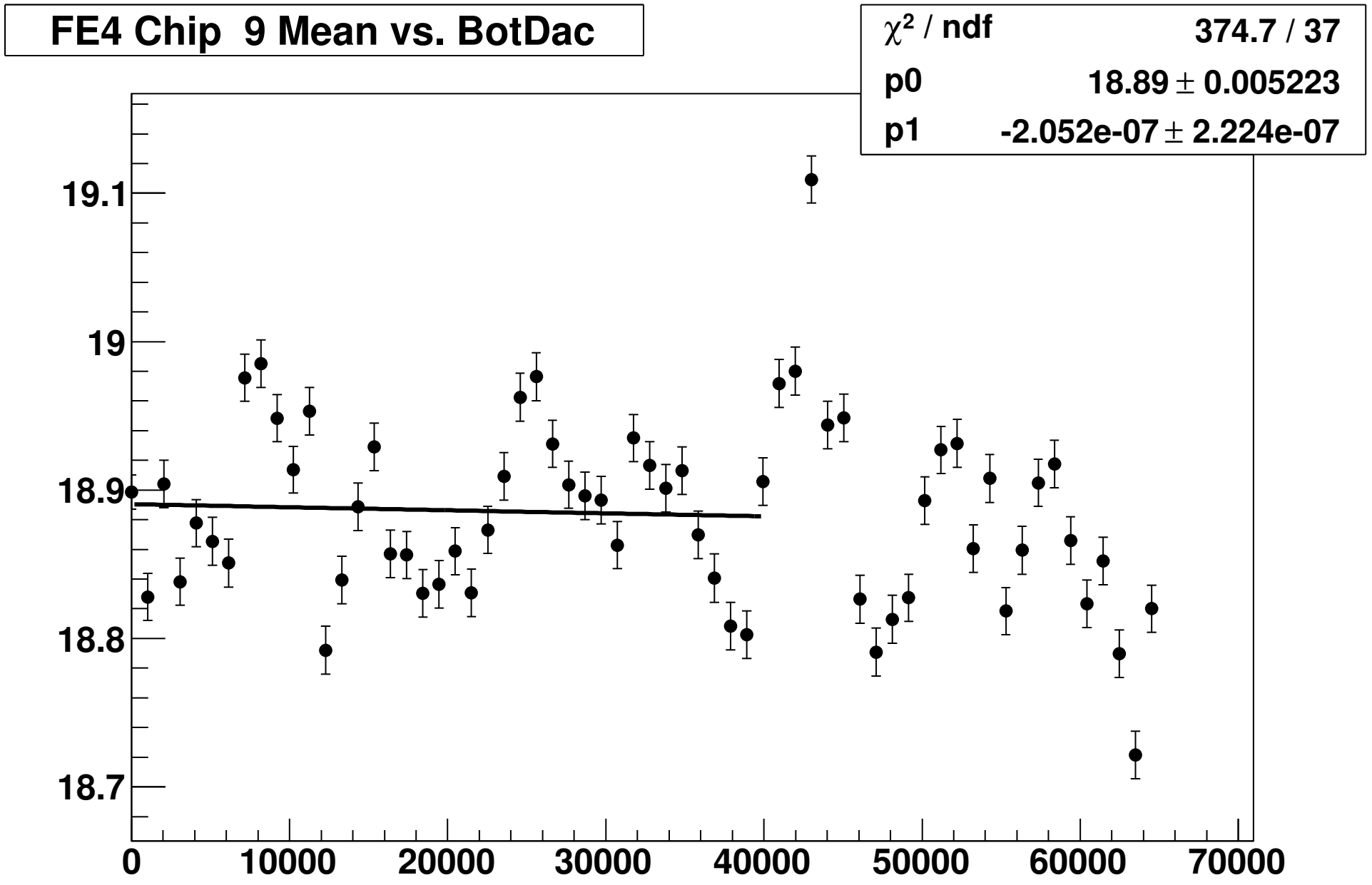
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 374.7 / 37
p0 18.89 ± 0.005223
p1 -2.052e-07 ± 2.224e-07
19.1
19
18.9
18.8
18.7
0
10000
20000
30000
40000
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60000
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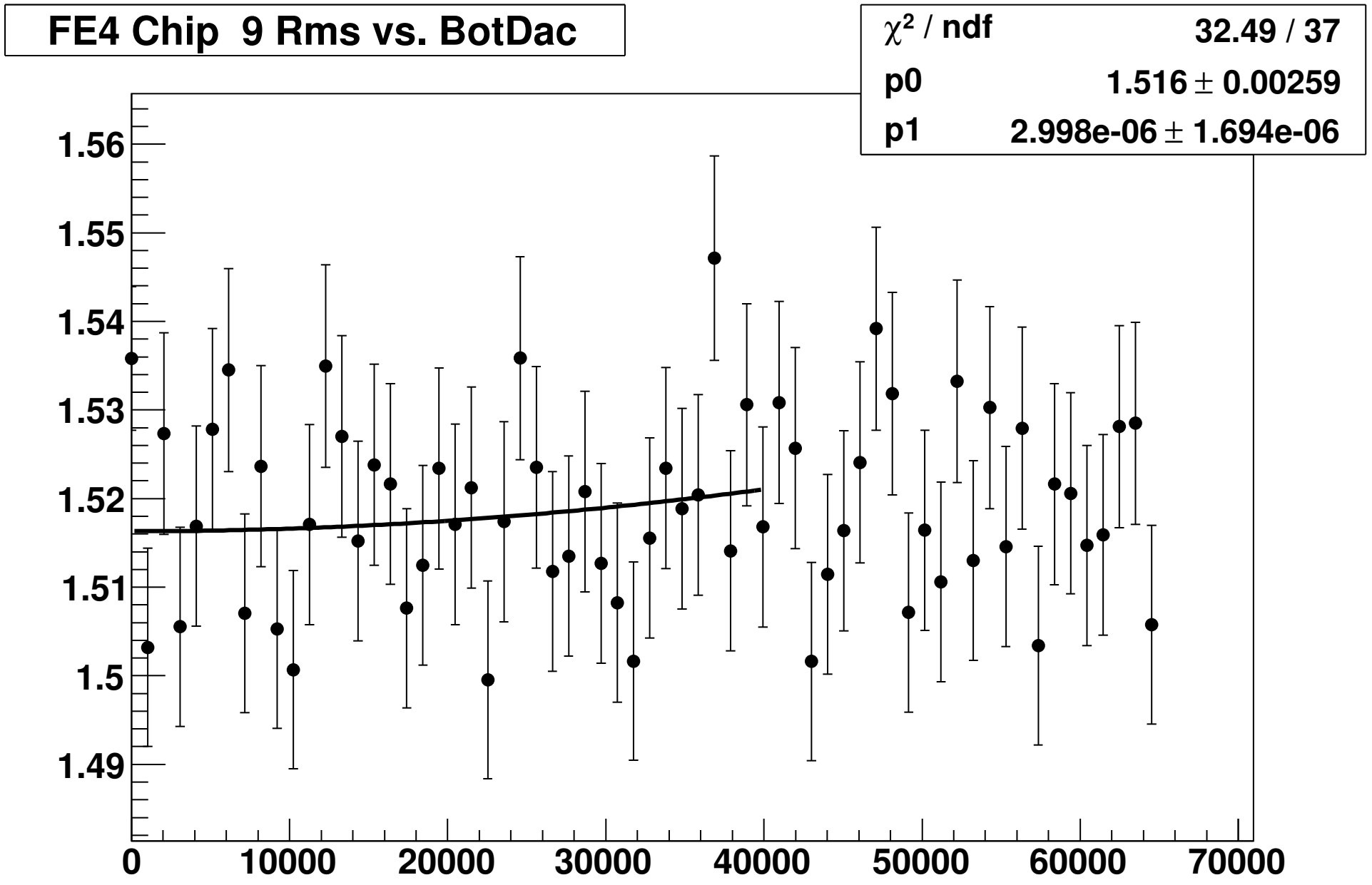
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 32.49 / 37
p0 1.516 ± 0.00259
p1 2.998e-06 ± 1.694e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
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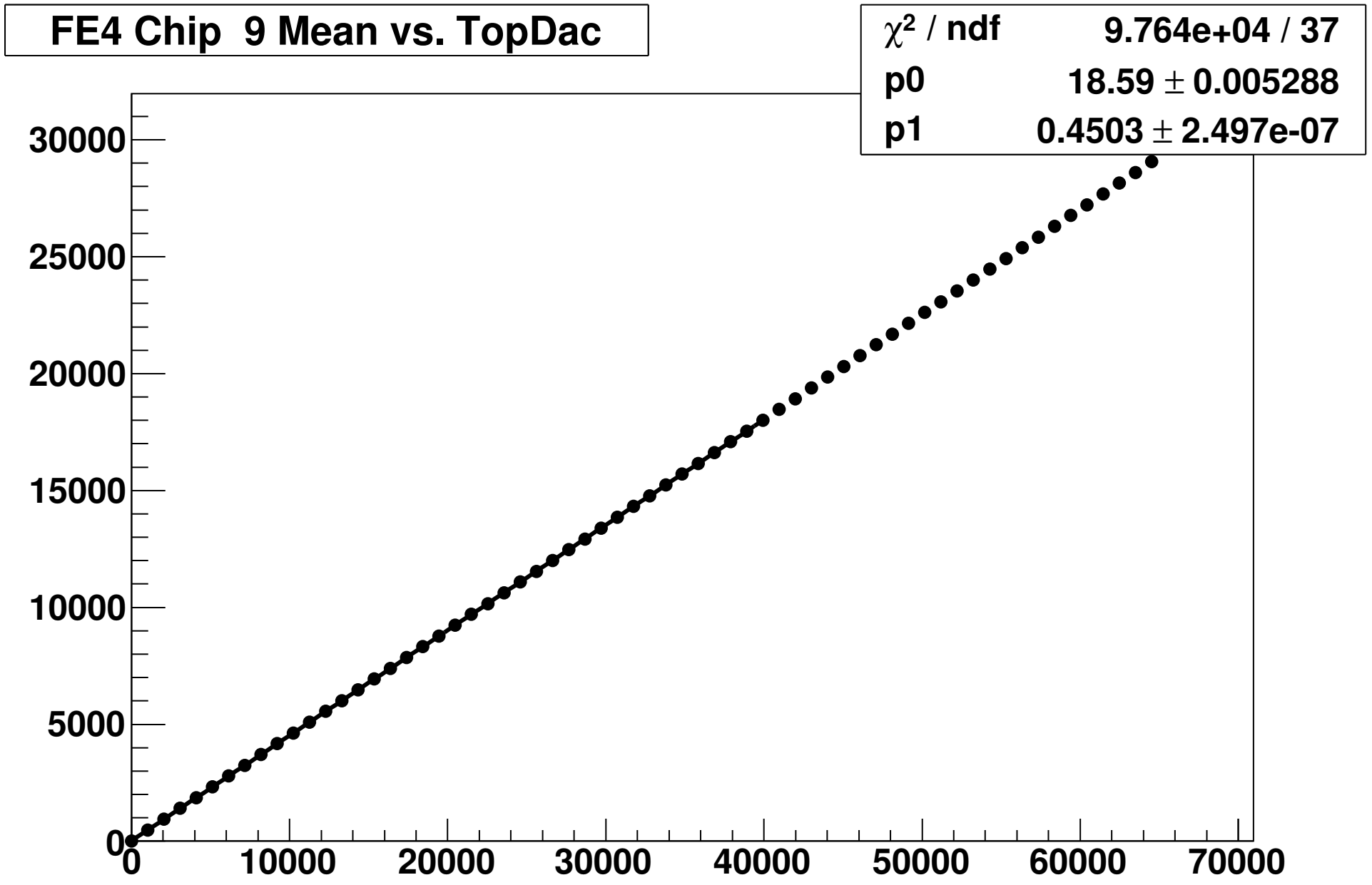
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 9.764e+04 / 37
p0 18.59 ± 0.005288
p1 0.4503 ± 2.497e-07
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25000
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5000
0
0
10000
20000
30000
40000
50000
60000
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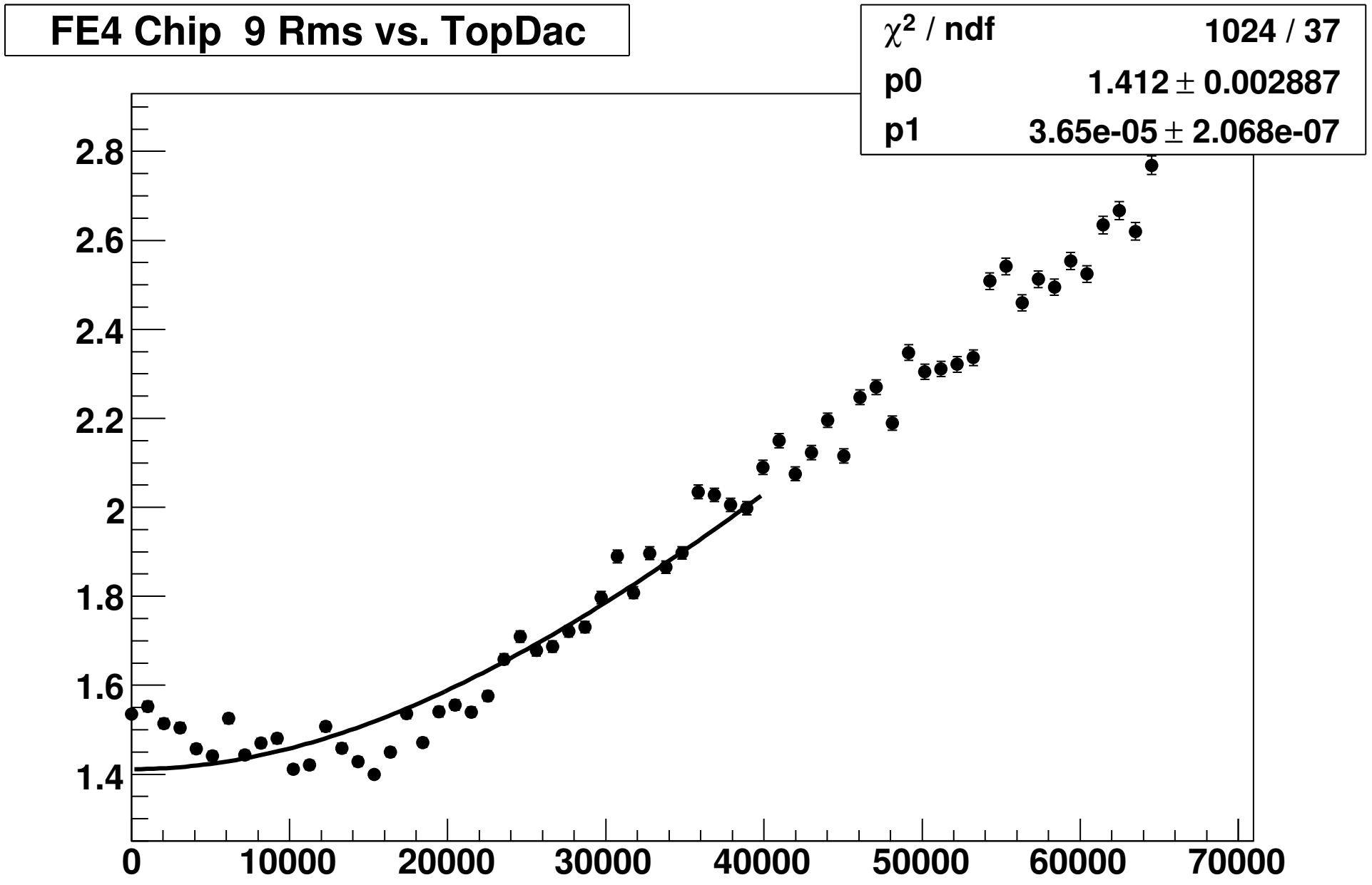
FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1024 / 37
p0 1.412 ± 0.002887
p1 3.65e-05 ± 2.068e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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50000
60000
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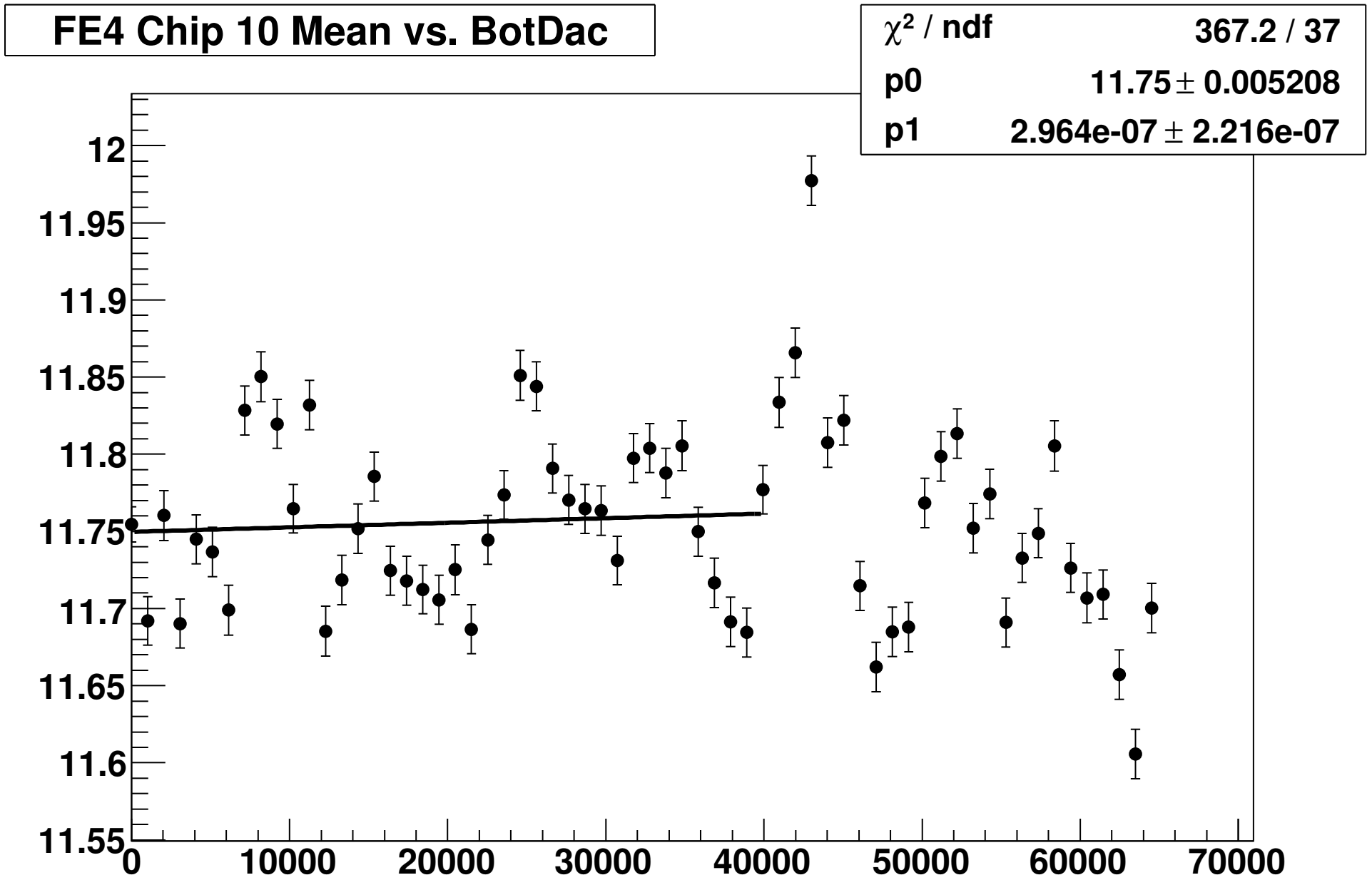
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 367.2 / 37
p0 11.75 ± 0.005208
p1 2.964e-07 ± 2.216e-07
12
11.95
11.9
11.85
11.8
11.75
11.7
11.65
11.6
11.55
0
10000
20000
30000
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50000
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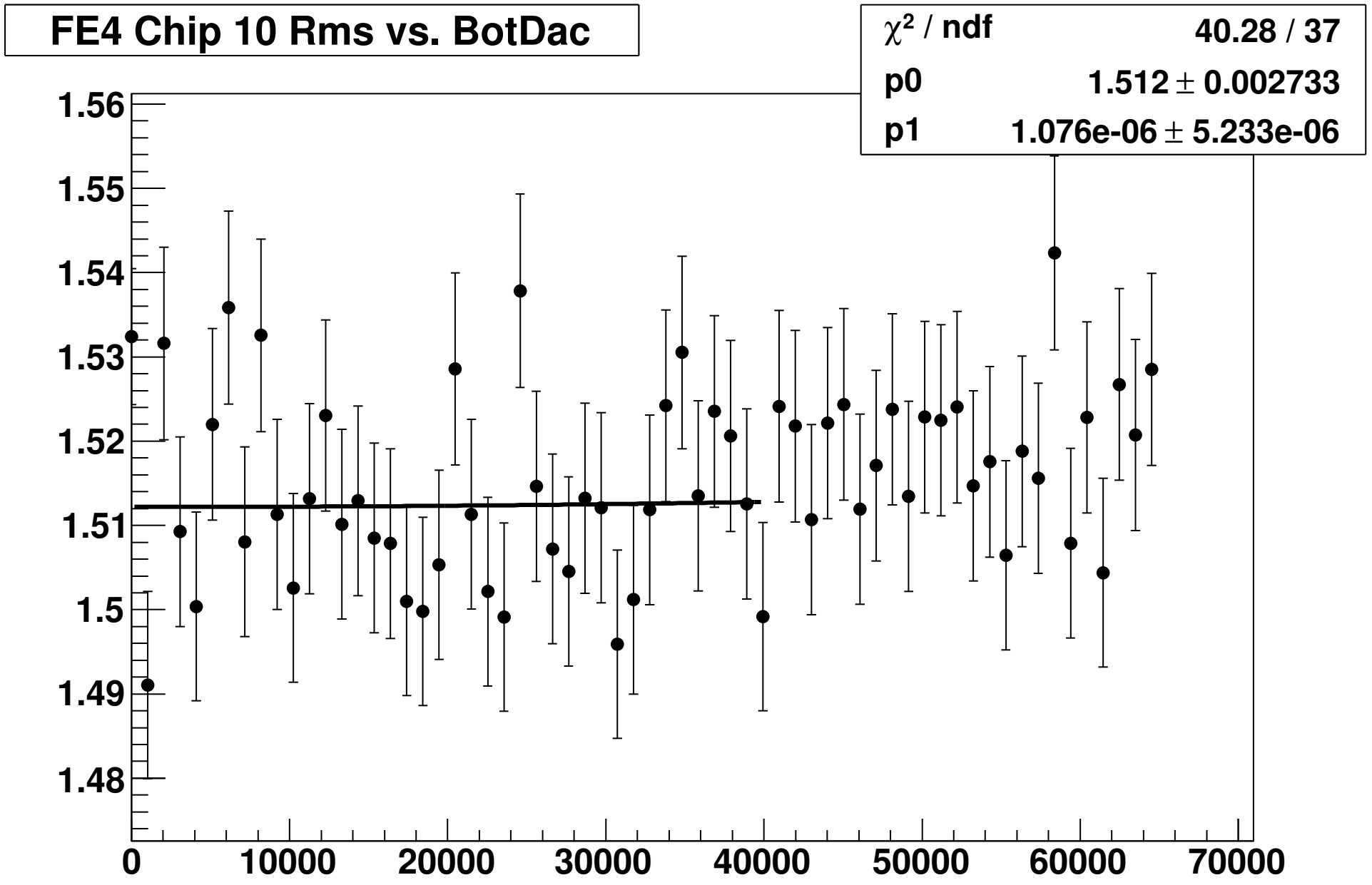
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 40.28 / 37
p0 1.512 ± 0.002733
p1 1.076e-06 ± 5.233e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
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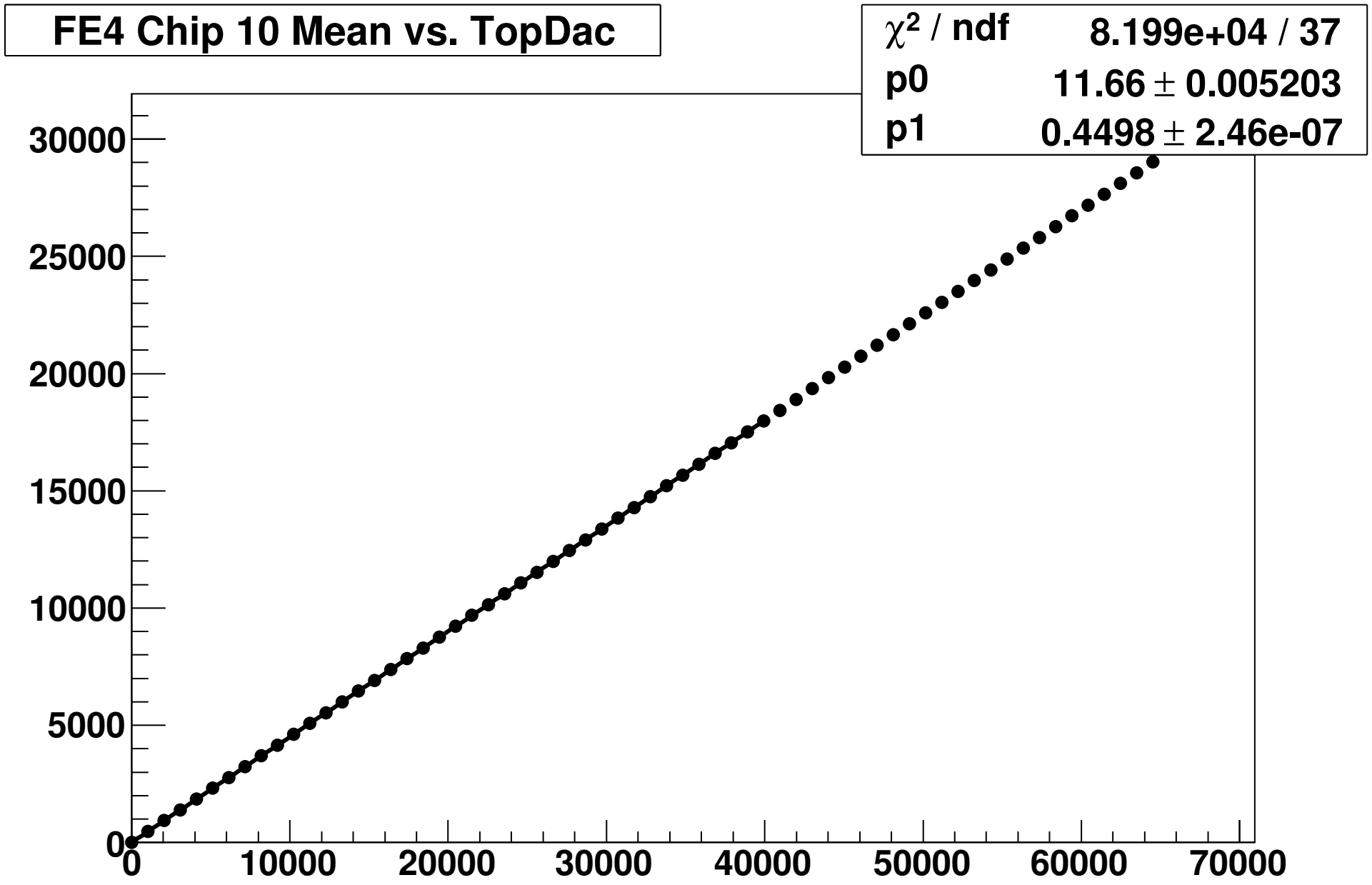
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 8.199e+04 / 37
p0 11.66 ± 0.005203
p1 0.4498 ± 2.46e-07
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25000
20000
15000
10000
5000
0
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10000
20000
30000
40000
50000
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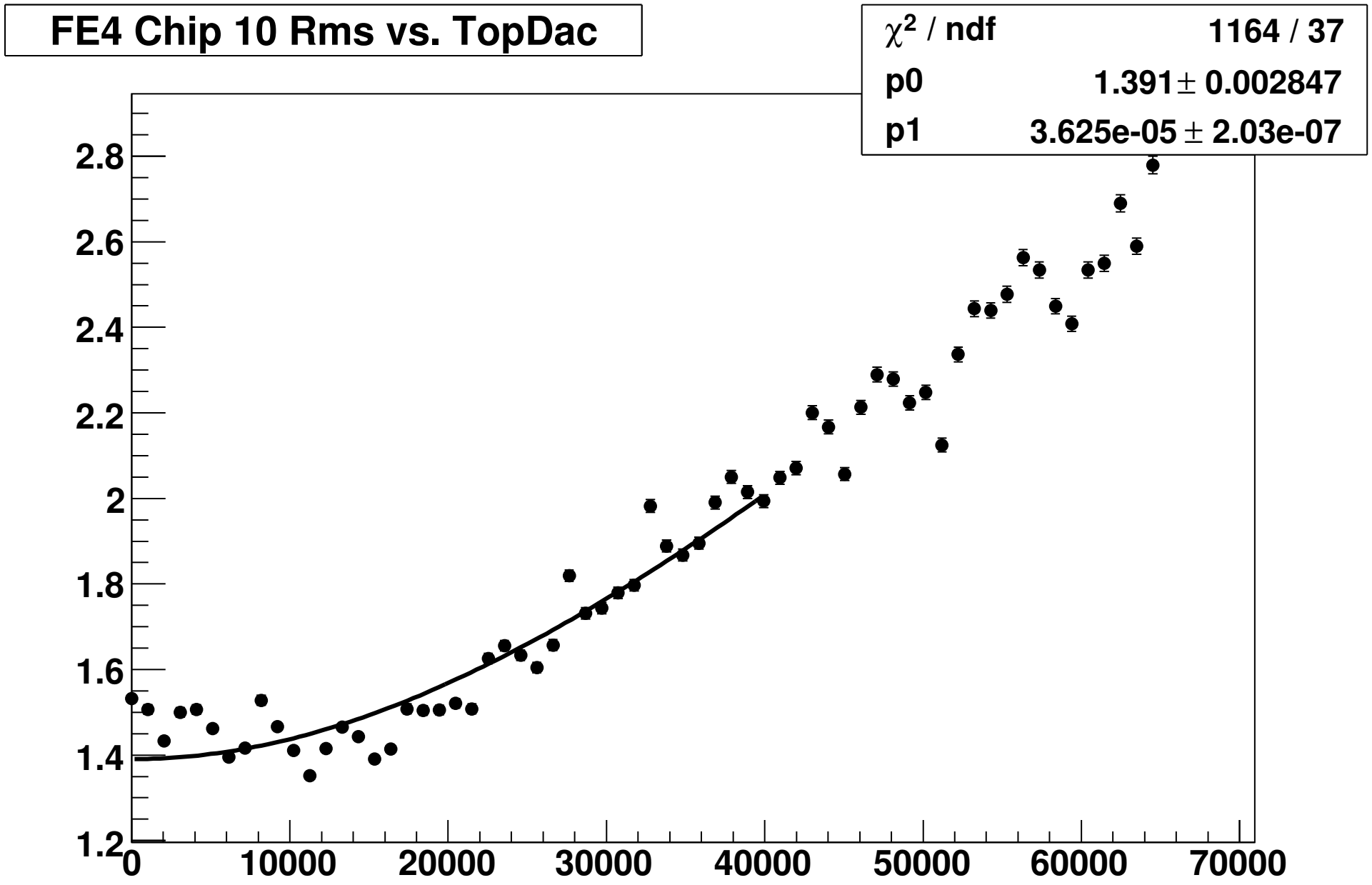
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1164 / 37
p0 1.391 ± 0.002847
p1 3.625e-05 ± 2.03e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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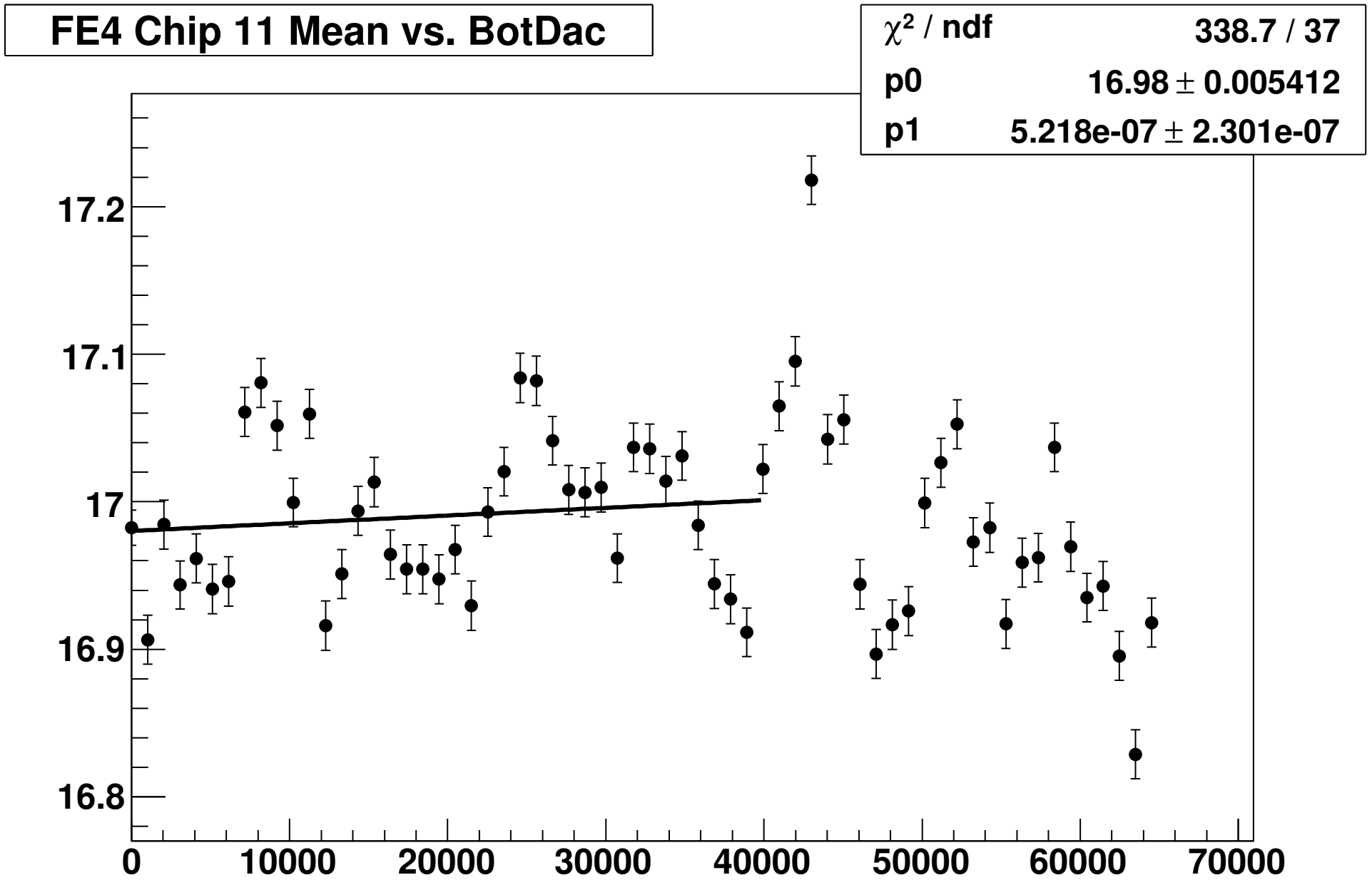
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 338.7 / 37
p0 16.98 ± 0.005412
p1 5.218e-07 ± 2.301e-07
17.2
17.1
17
16.9
16.8
0
10000
20000
30000
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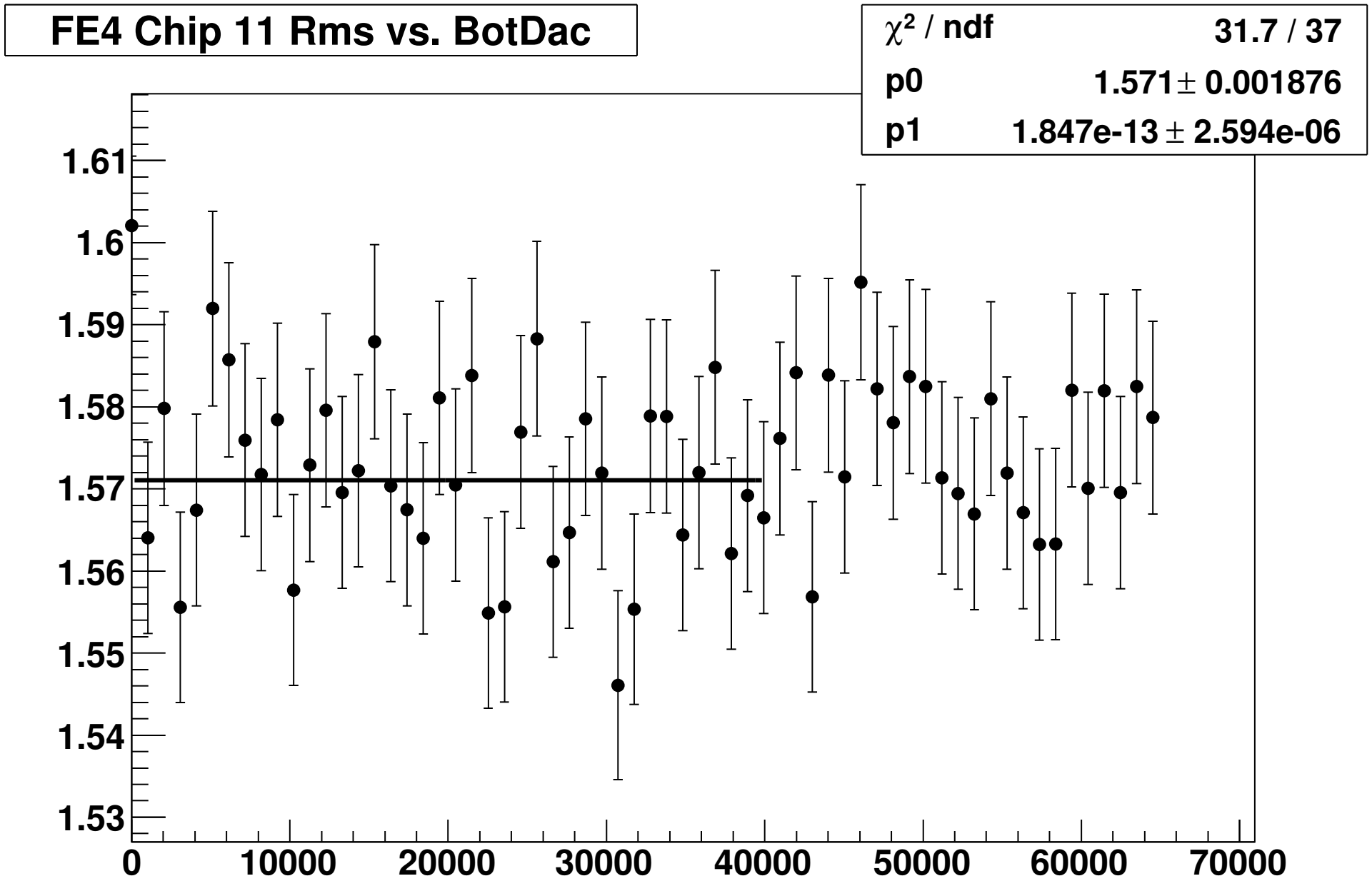
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 31.7 / 37
p0 1.571 ± 0.001876
p1 1.847e-13 ± 2.594e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
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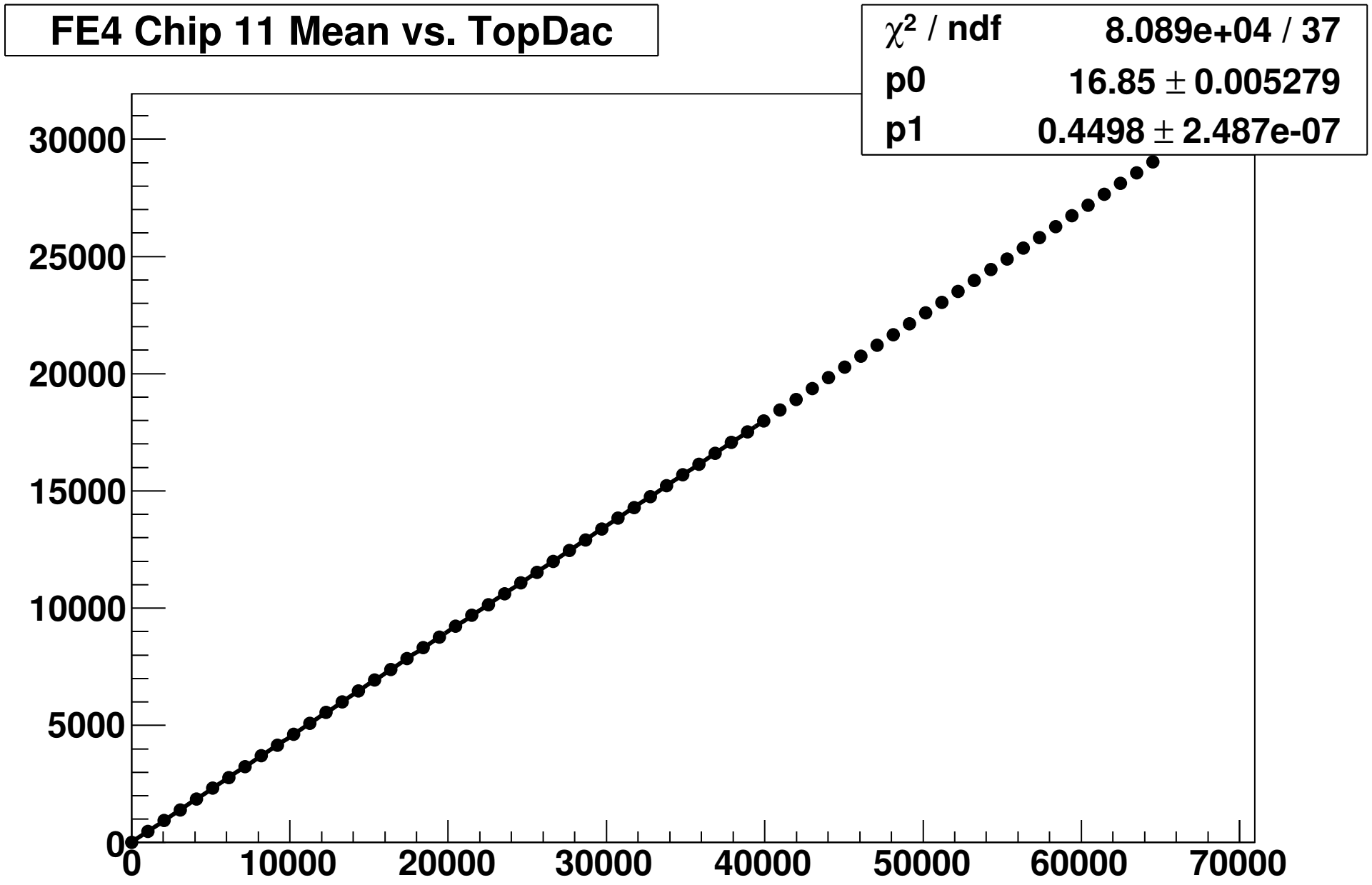
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.089e+04 / 37
p0 16.85 ± 0.005279
p1 0.4498 ± 2.487e-07
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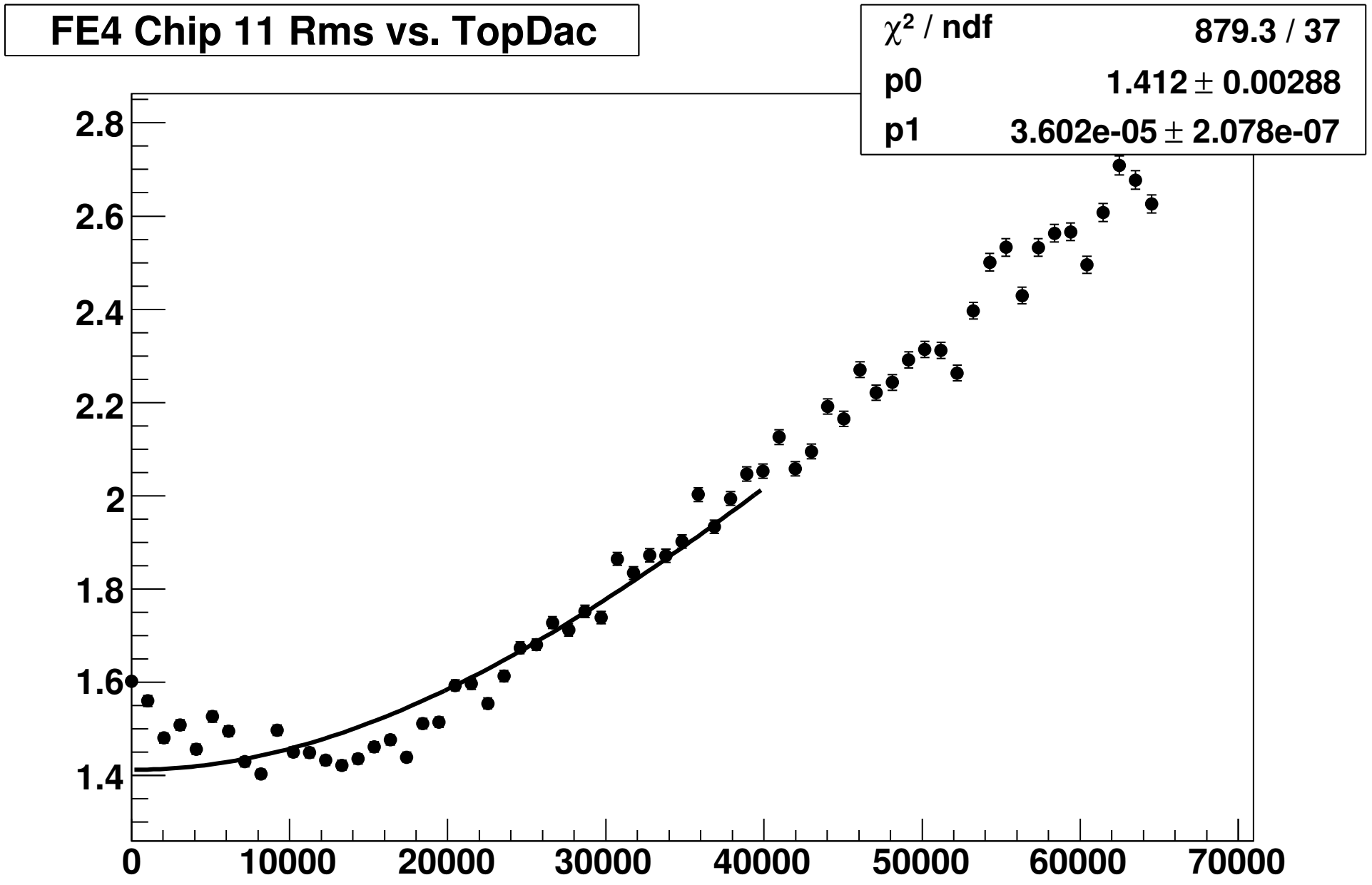
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 879.3 / 37
p0 1.412 ± 0.00288
p1 3.602e-05 ± 2.078e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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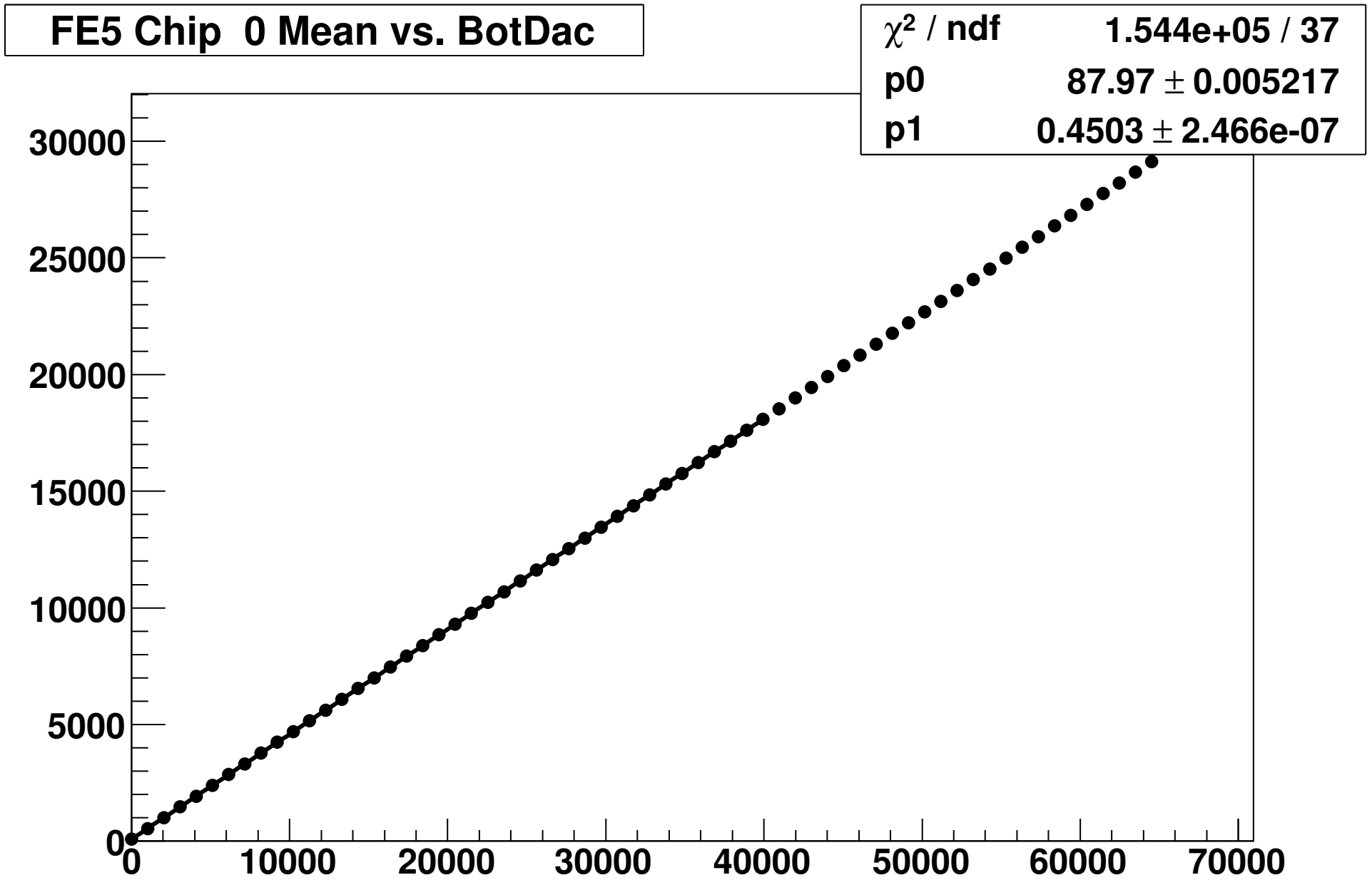
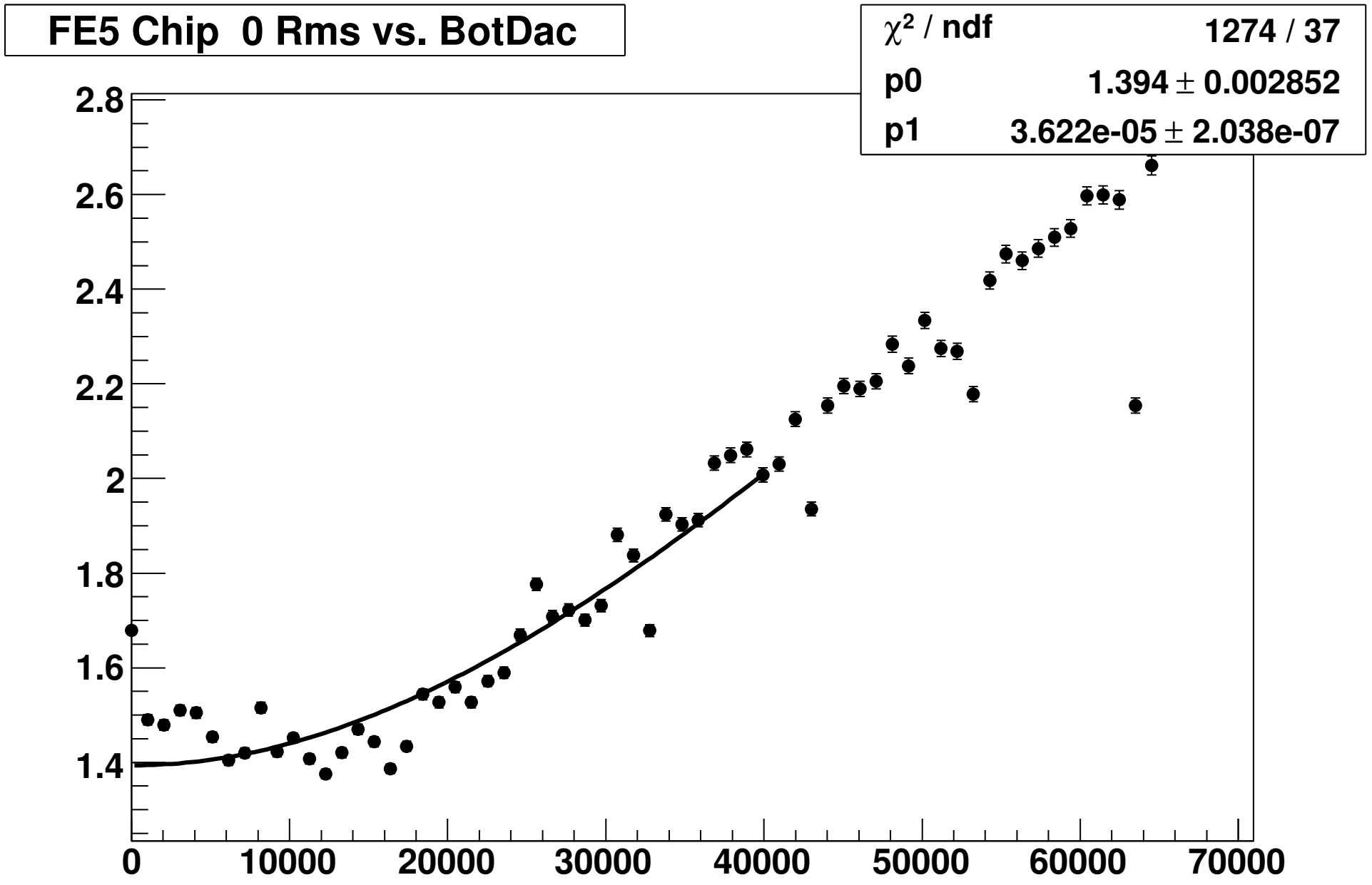

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.544e+05 / 37
p0 87.97 ± 0.005217
p1 0.4503 ± 2.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1274 / 37
p0 1.394 ± 0.002852
p1 3.622e-05 ± 2.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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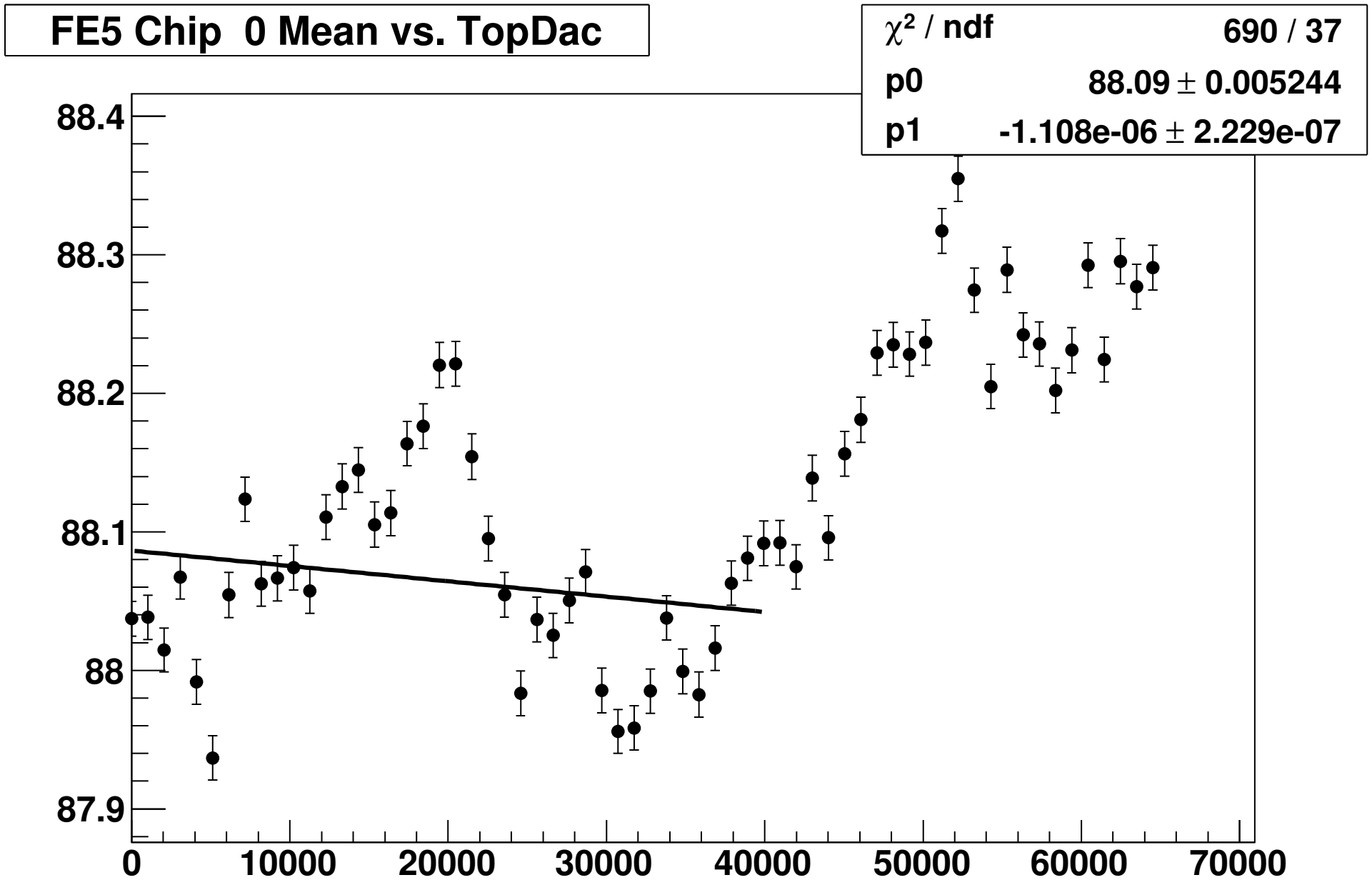
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 690 / 37
p0 88.09 ± 0.005244
p1 -1.108e-06 ± 2.229e-07
88.4
88.3
88.2
88.1
88
87.9
0
10000
20000
30000
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60000
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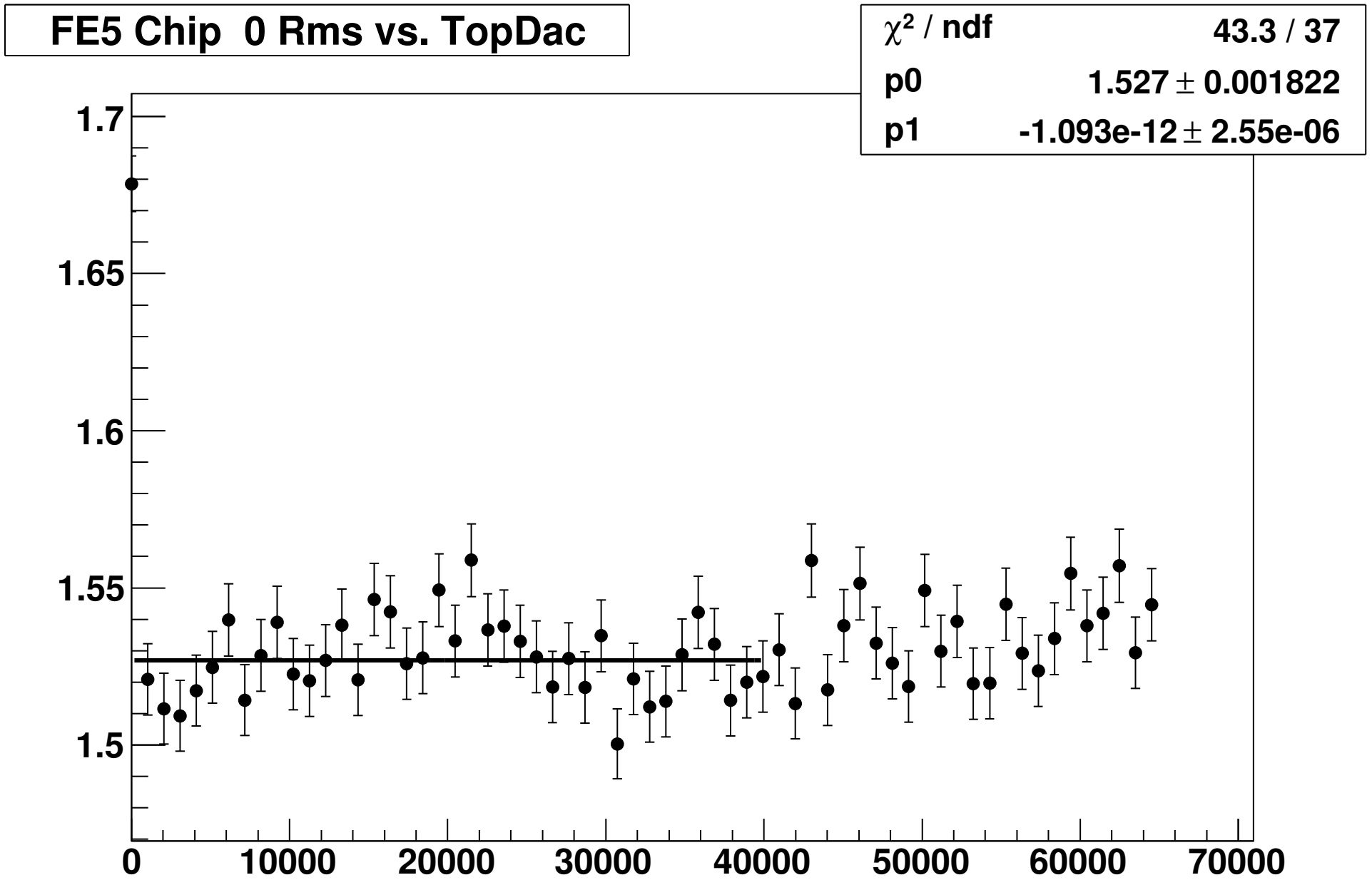
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 43.3 / 37
p0 1.527 ± 0.001822
p1 -1.093e-12 ± 2.55e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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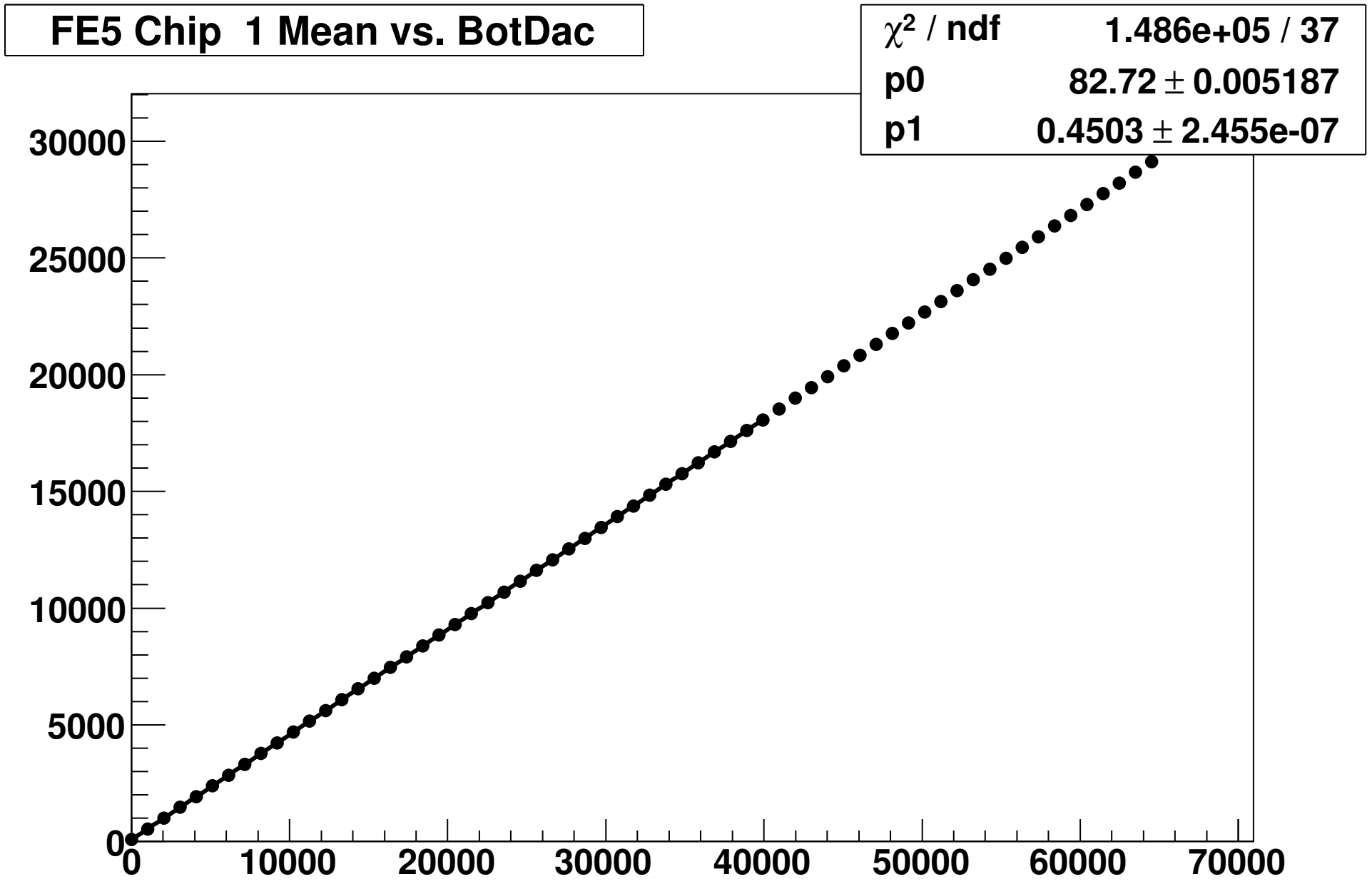
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.486e+05 / 37
p0 82.72 ± 0.005187
p1 0.4503 ± 2.455e-07
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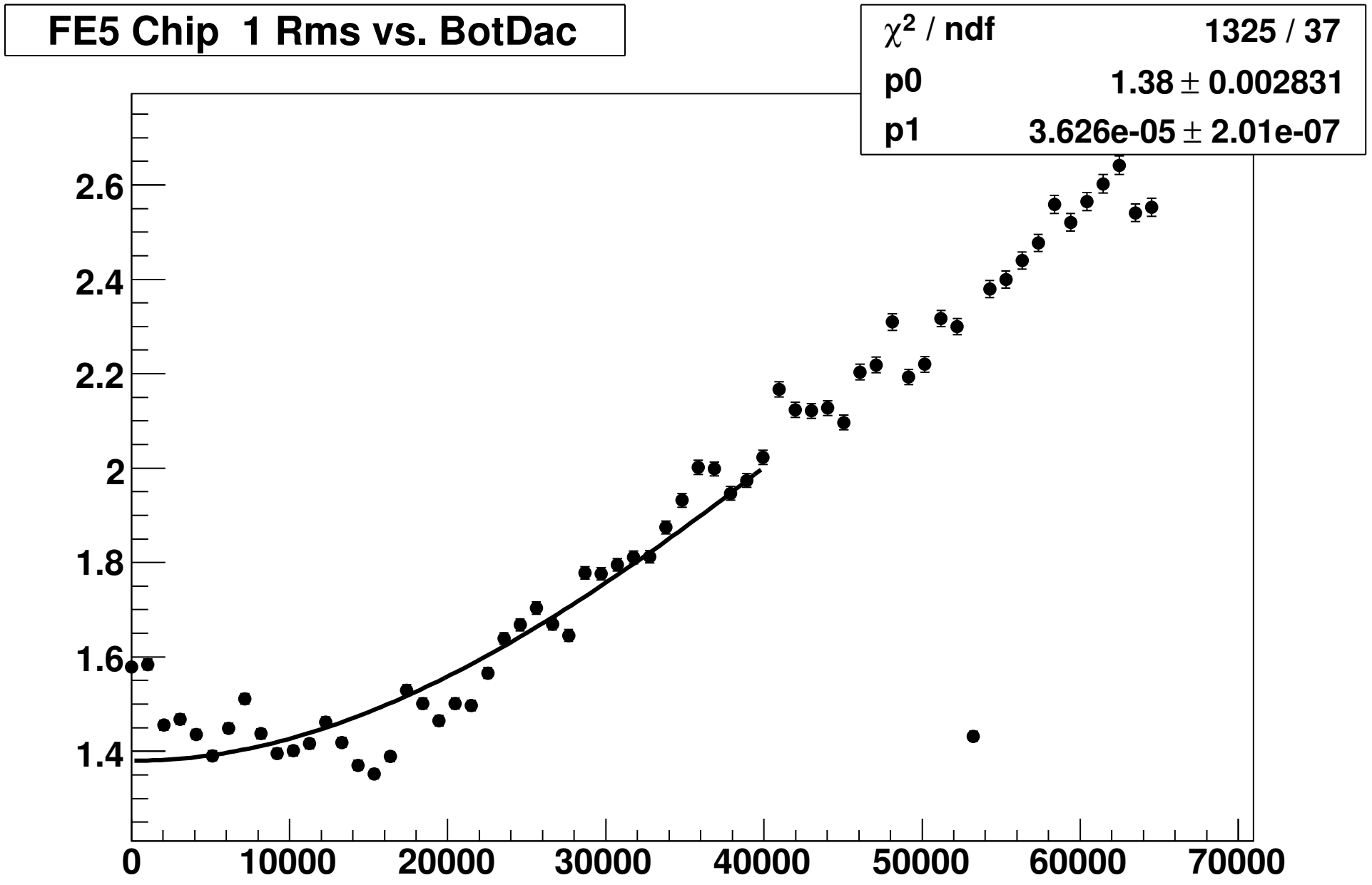
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 1325 / 37
p0 1.38 ± 0.002831
p1 3.626e-05 ± 2.01e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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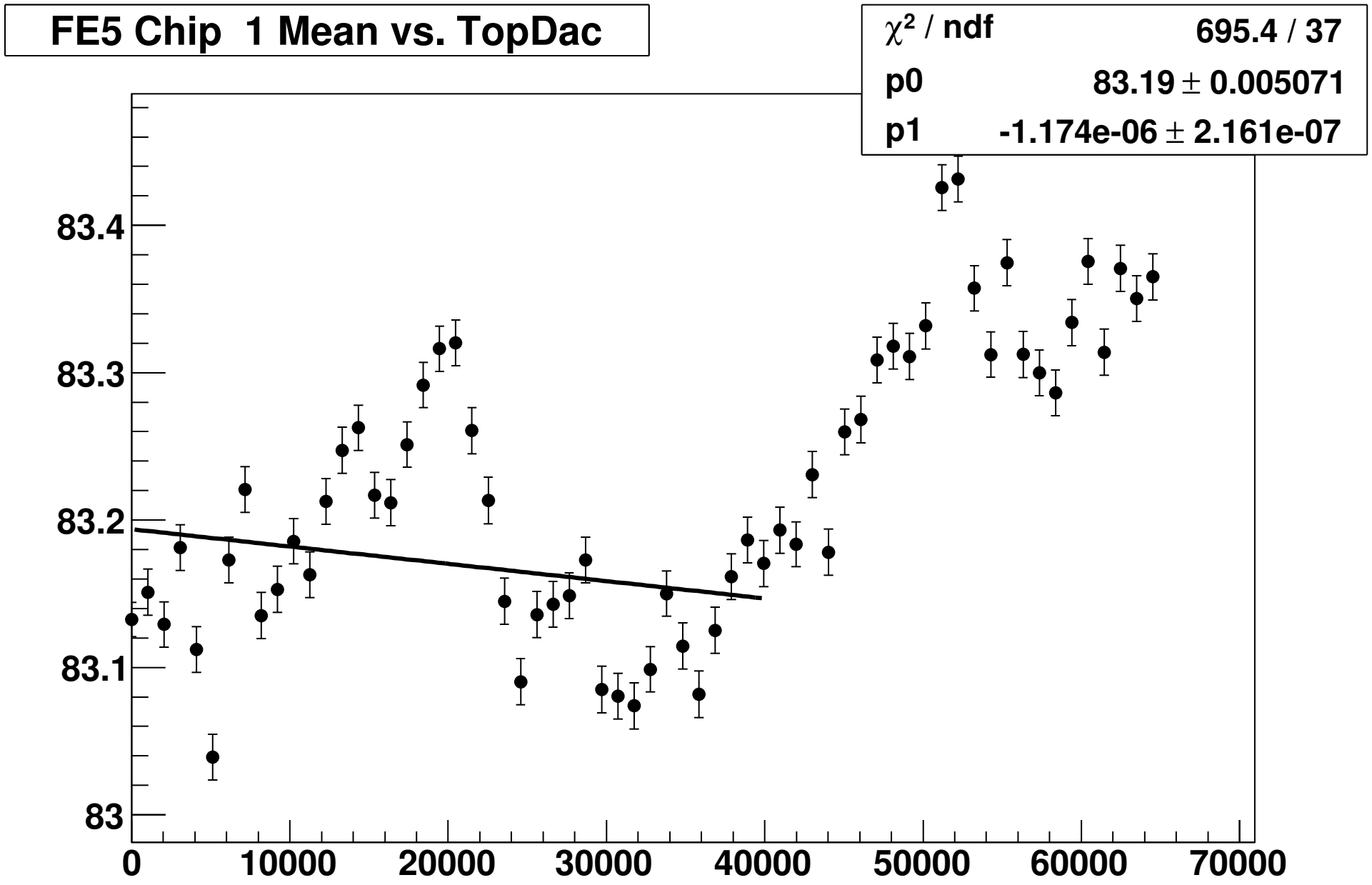
FE5 Chip 1 Mean vs. TopDac
χ² / ndf 695.4 / 37
p0 83.19 ± 0.005071
p1 -1.174e-06 ± 2.161e-07
83.4
83.3
83.2
83.1
83
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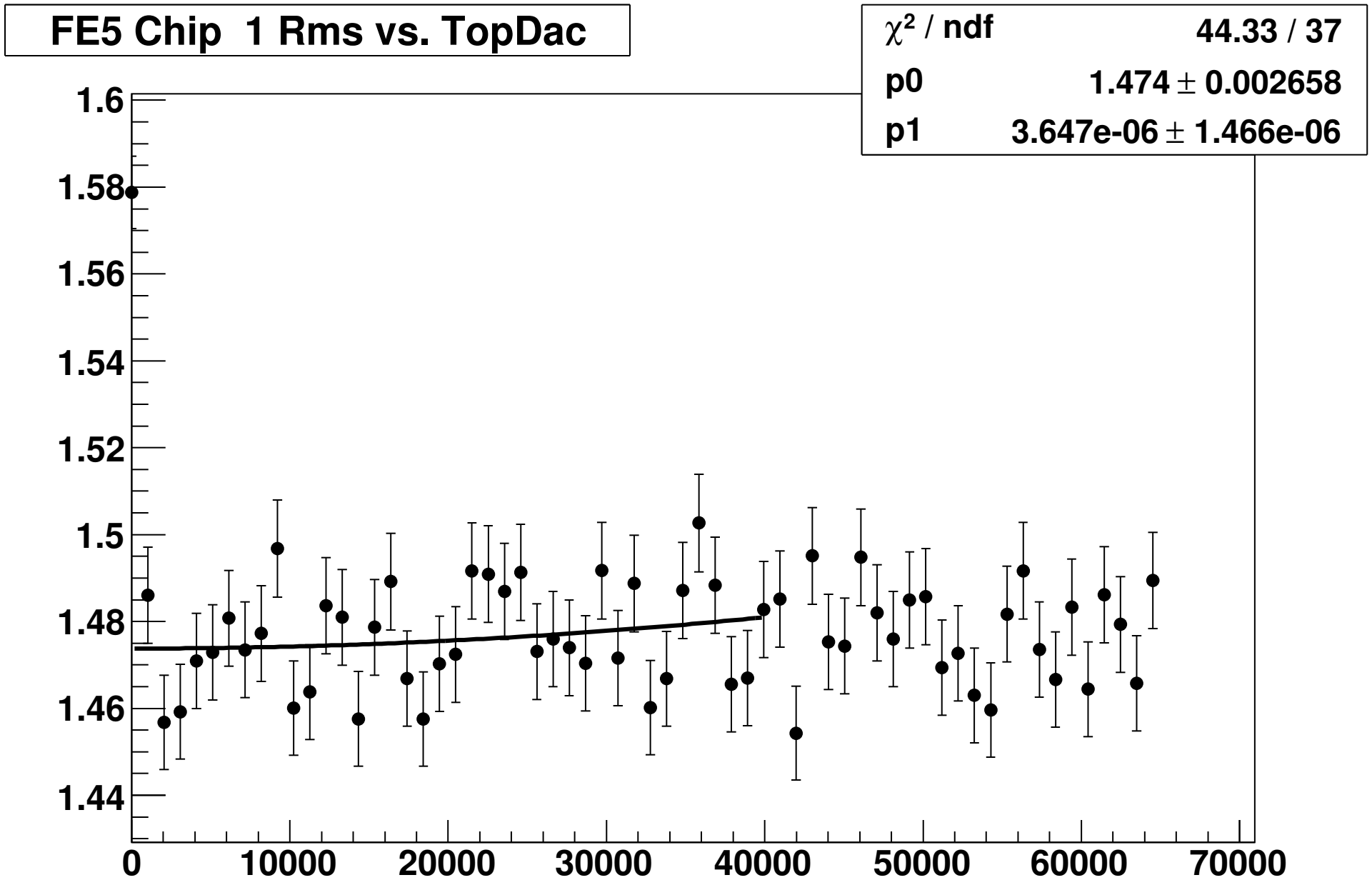
FE5 Chip 1 Rms vs. TopDac
χ² / ndf 44.33 / 37
p0 1.474 ± 0.002658
p1 3.647e-06 ± 1.466e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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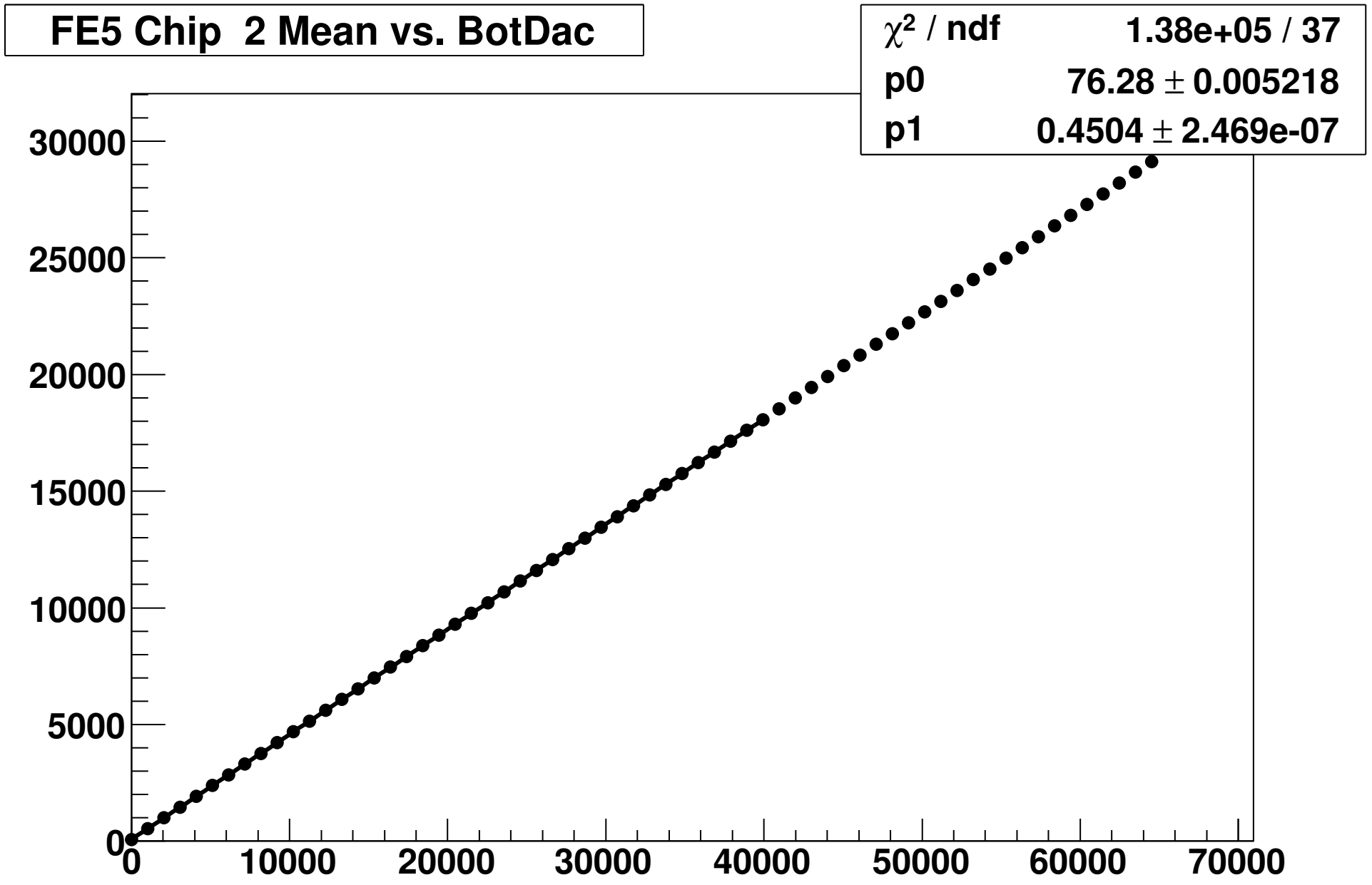
FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.38e+05 / 37
p0 76.28 ± 0.005218
p1 0.4504 ± 2.469e-07
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15000
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5000
0
0
10000
20000
30000
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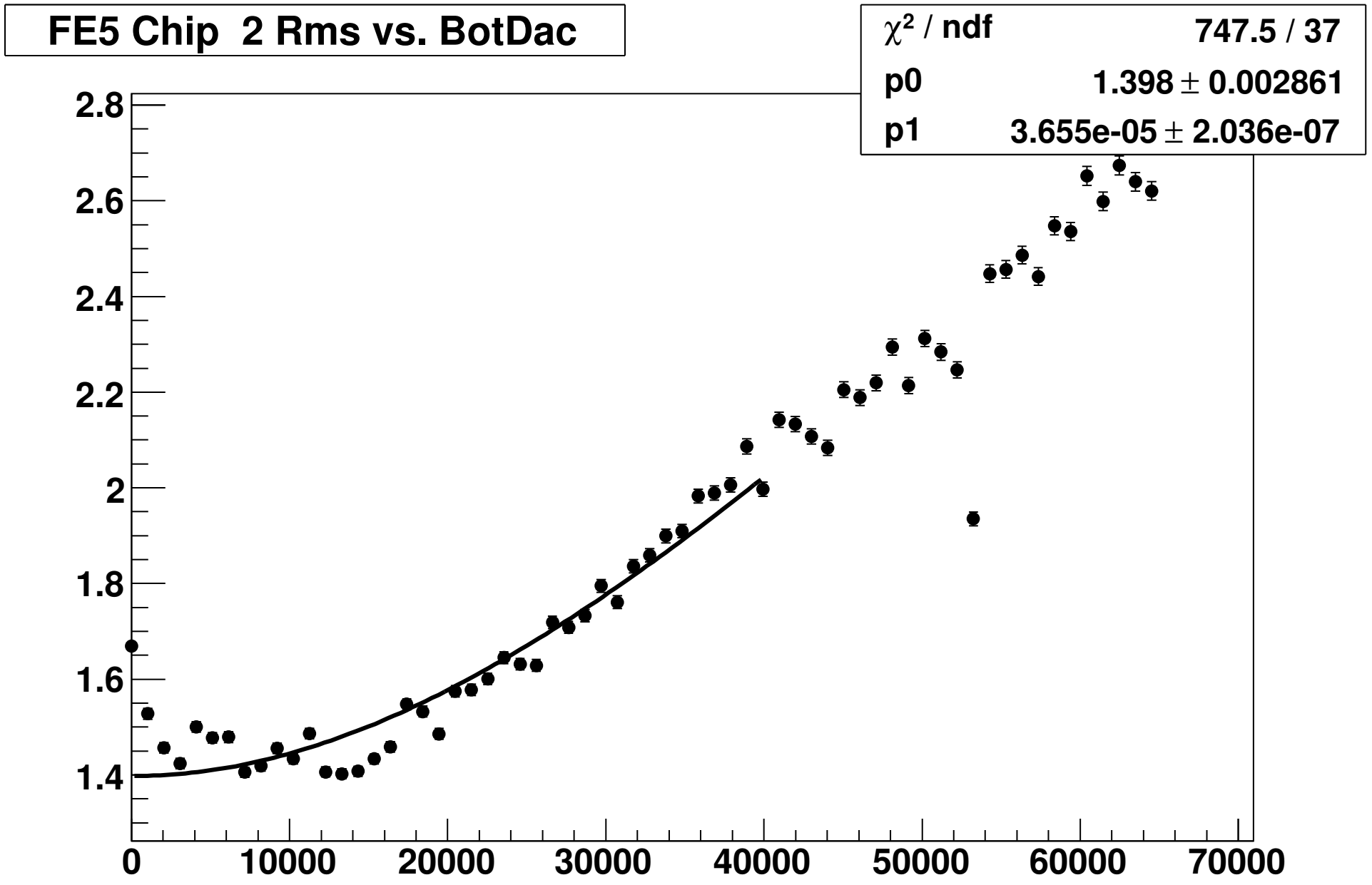
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 747.5 / 37
p0 1.398 ± 0.002861
p1 3.655e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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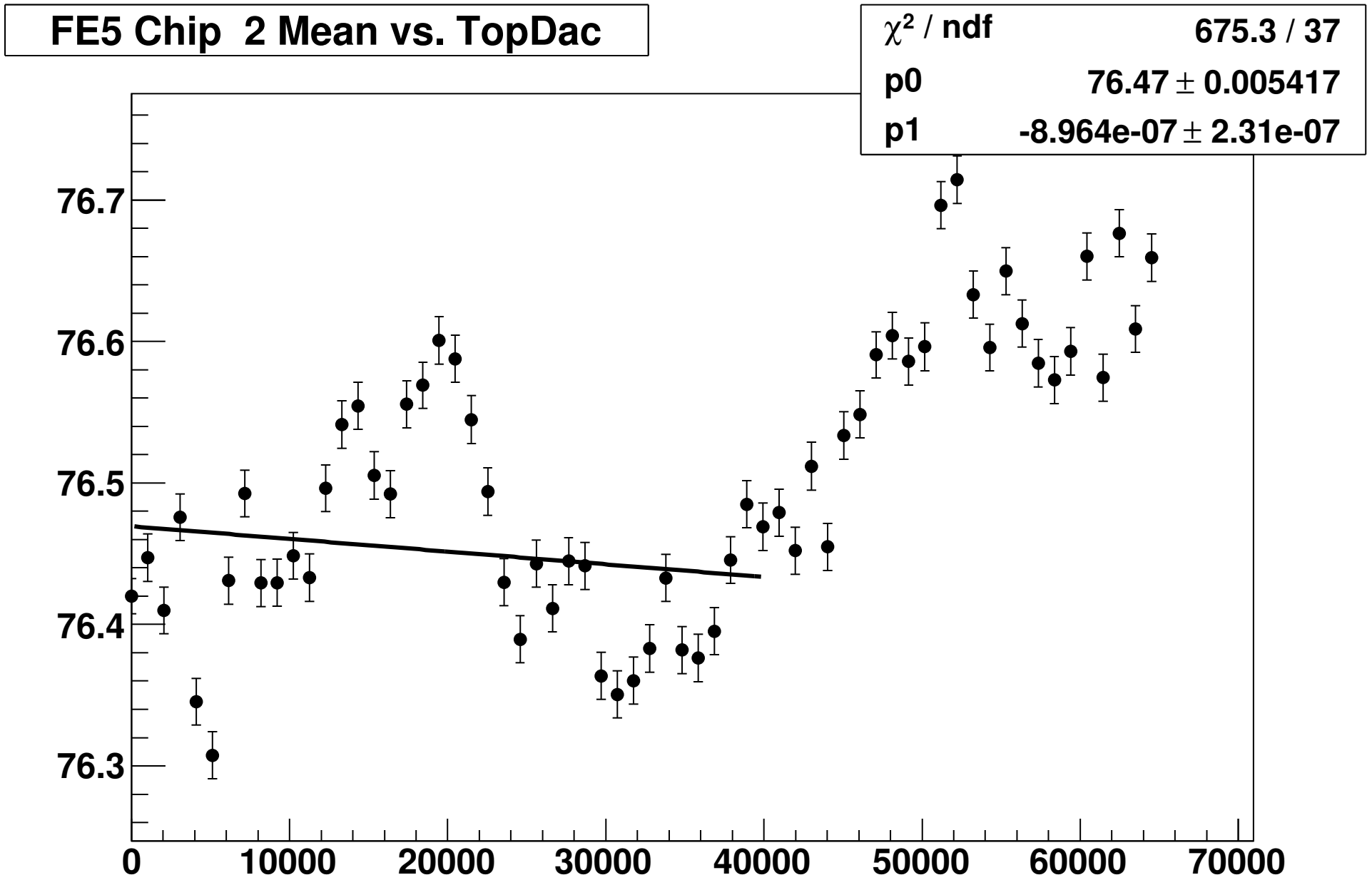
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 675.3 / 37
p0 76.47 ± 0.005417
p1 -8.964e-07 ± 2.31e-07
76.7
76.6
76.5
76.4
76.3
0
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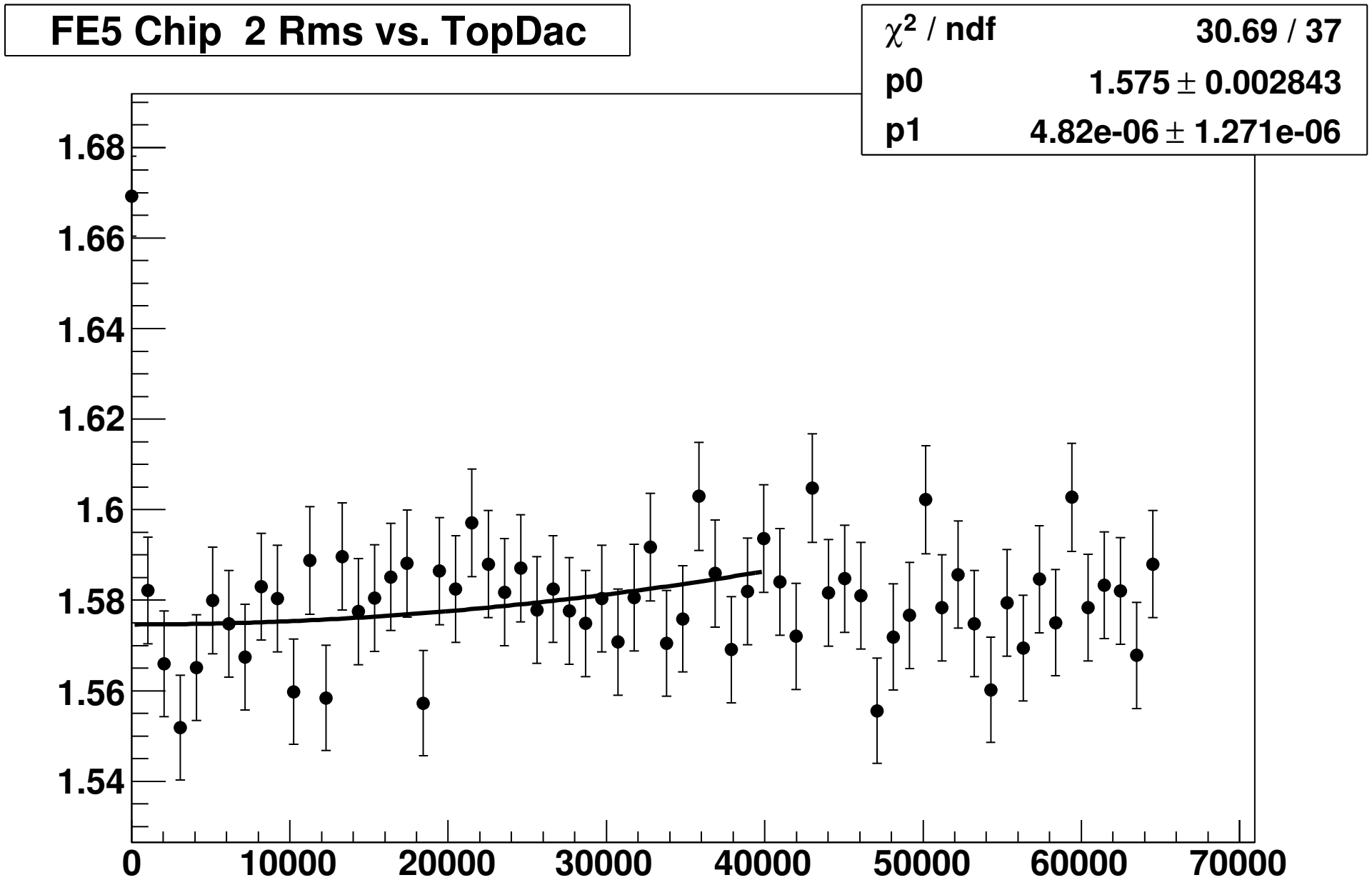
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 30.69 / 37
p0 1.575 ± 0.002843
p1 4.82e-06 ± 1.271e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
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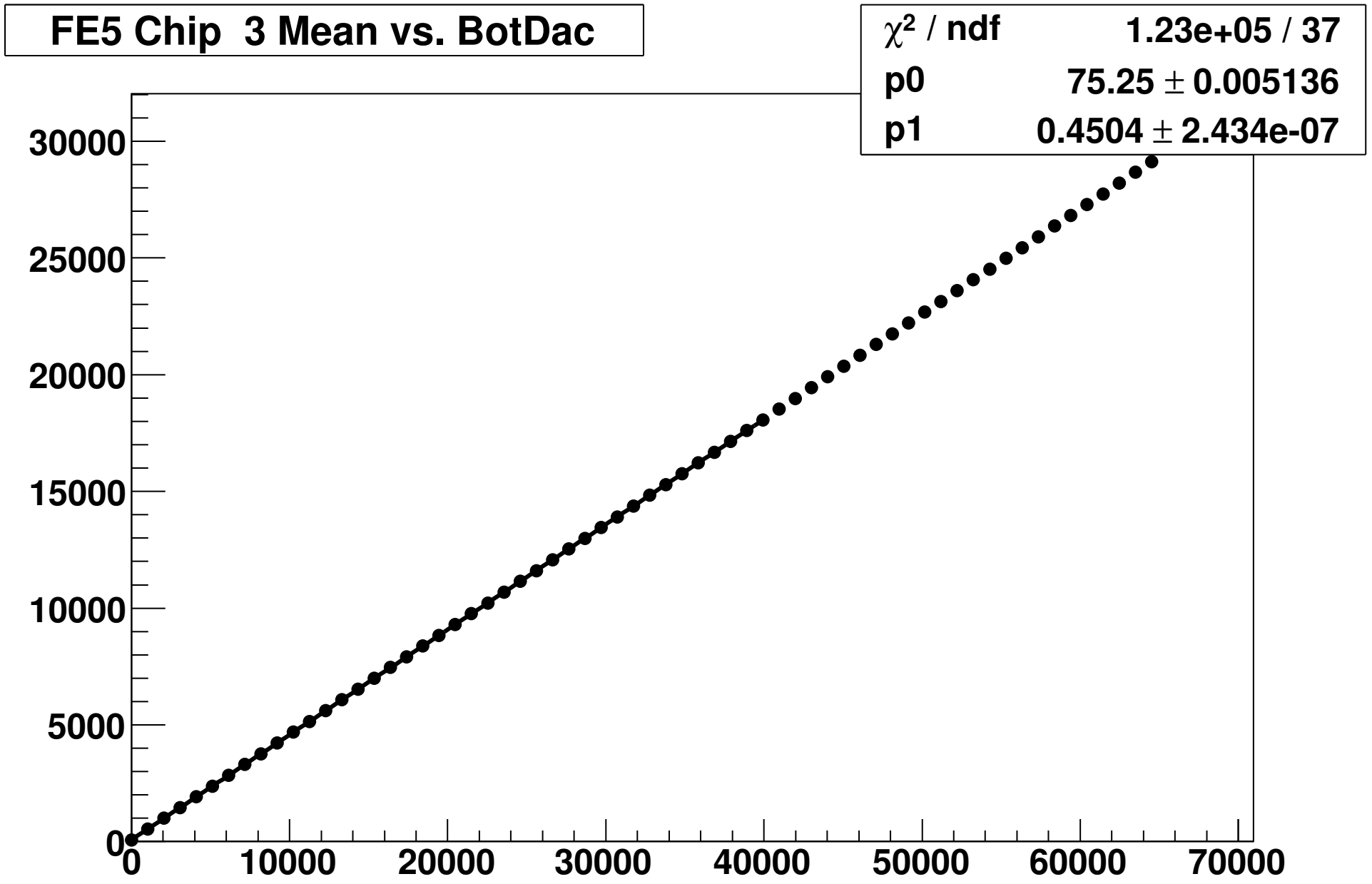
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.23e+05 / 37
p0 75.25 ± 0.005136
p1 0.4504 ± 2.434e-07
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15000
10000
5000
0
0
10000
20000
30000
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50000
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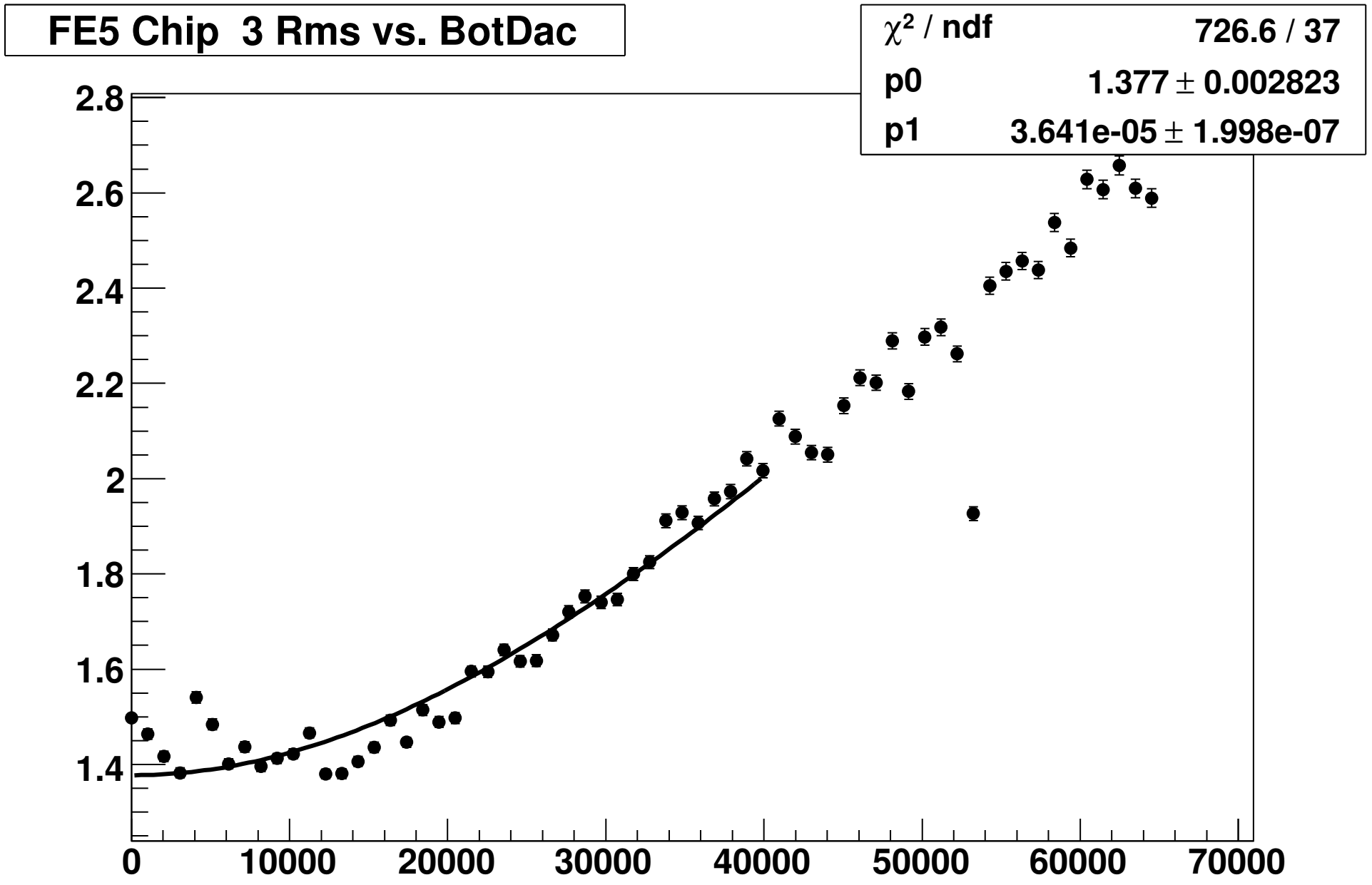
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 726.6 / 37
p0 1.377 ± 0.002823
p1 3.641e-05 ± 1.998e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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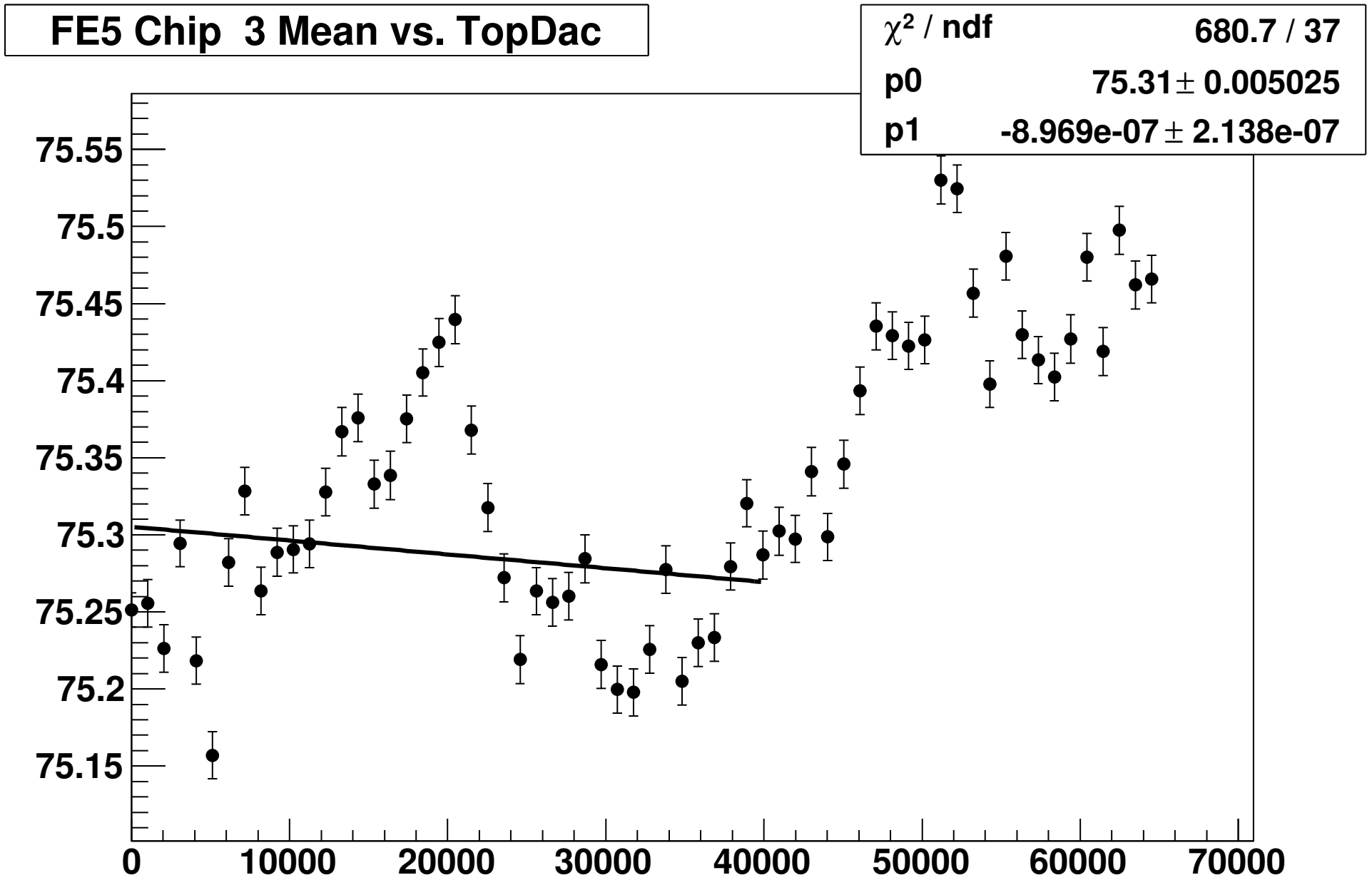
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 680.7 / 37
p0 75.31 ± 0.005025
p1 -8.969e-07 ± 2.138e-07
75.55
75.5
75.45
75.4
75.35
75.3
75.25
75.2
75.15
0
10000
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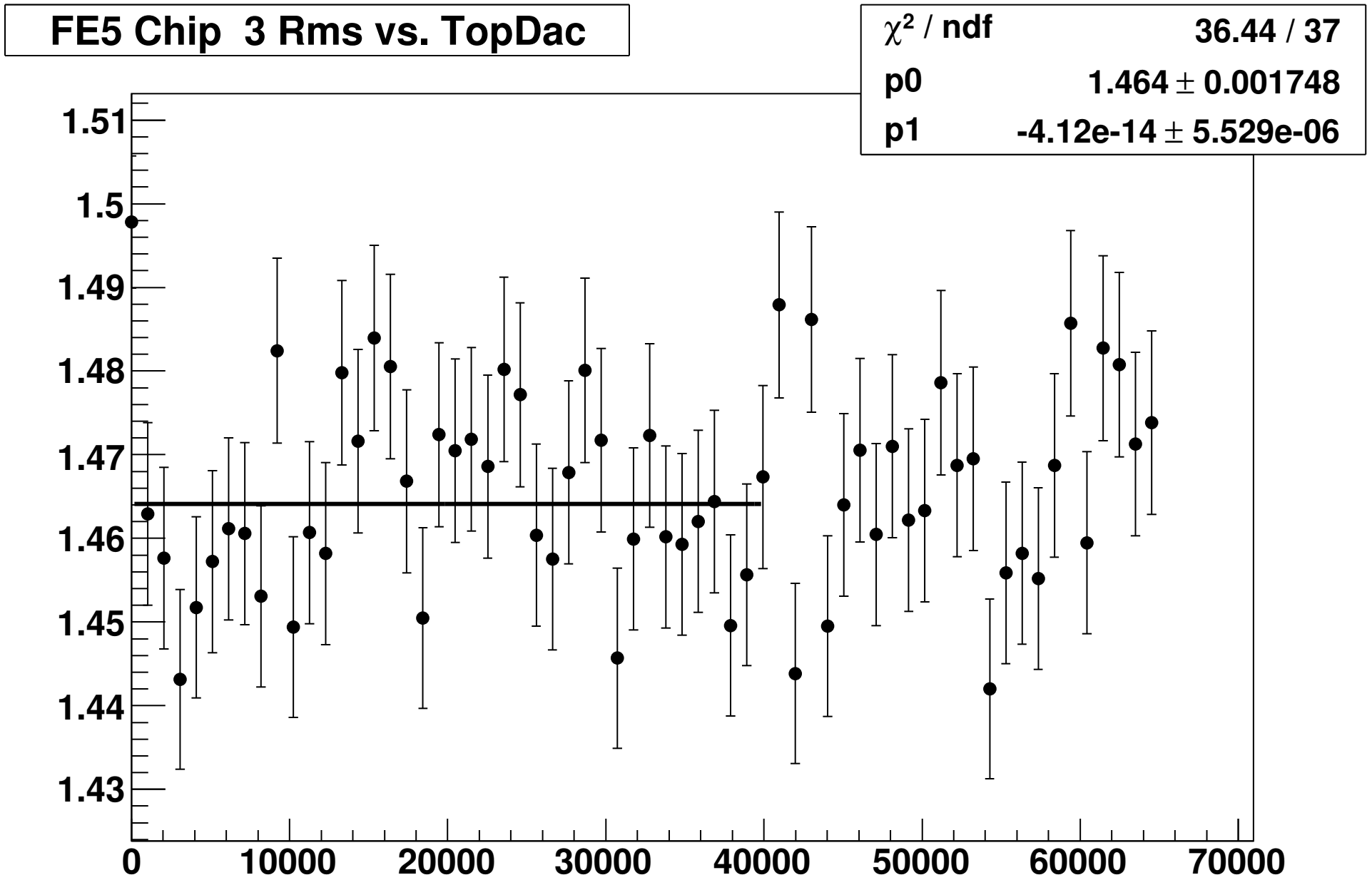
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 36.44 / 37
p0 1.464 ± 0.001748
p1 -4.12e-14 ± 5.529e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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20000
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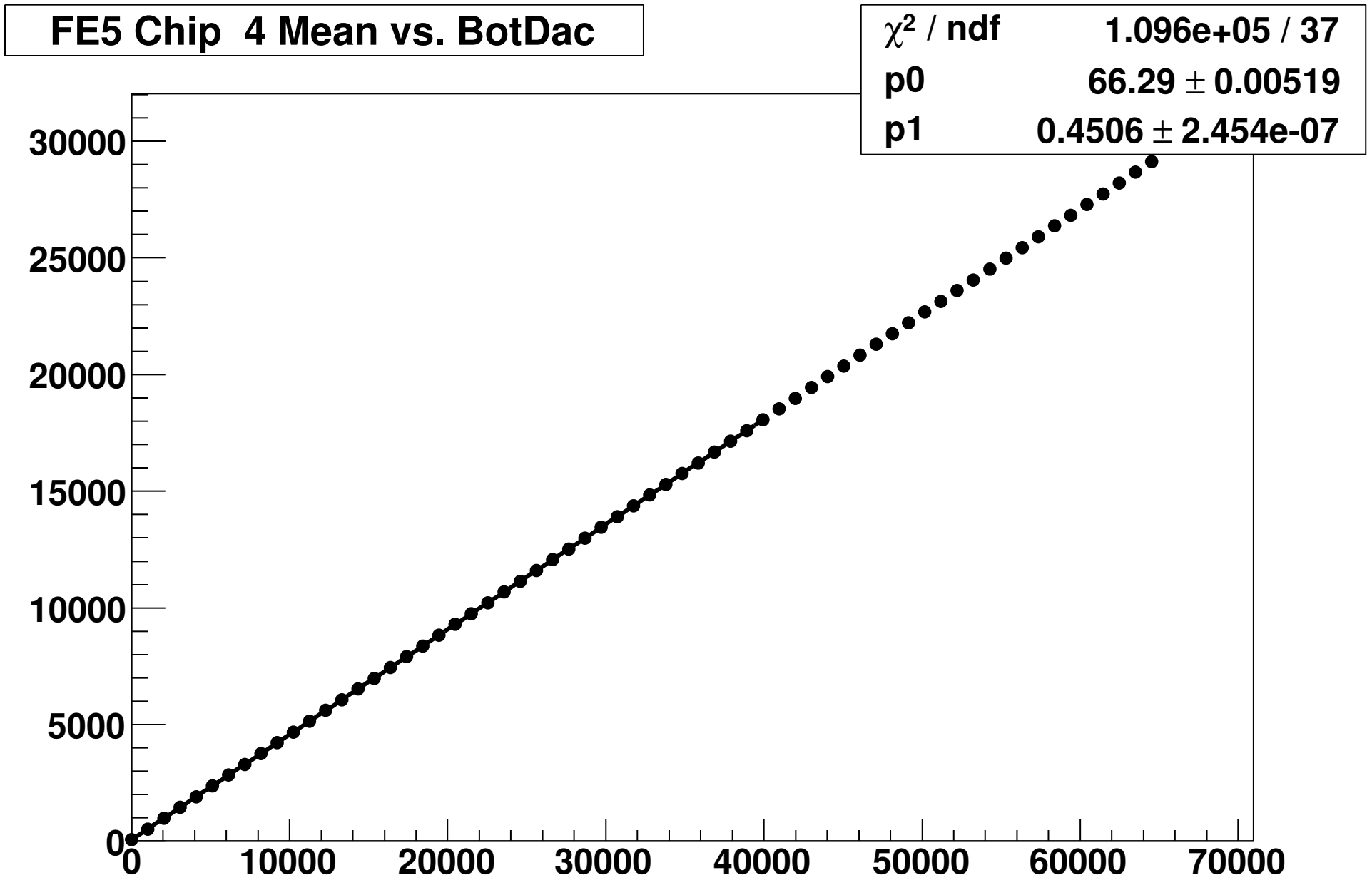
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.096e+05 / 37
p0 66.29 ± 0.00519
p1 0.4506 ± 2.454e-07
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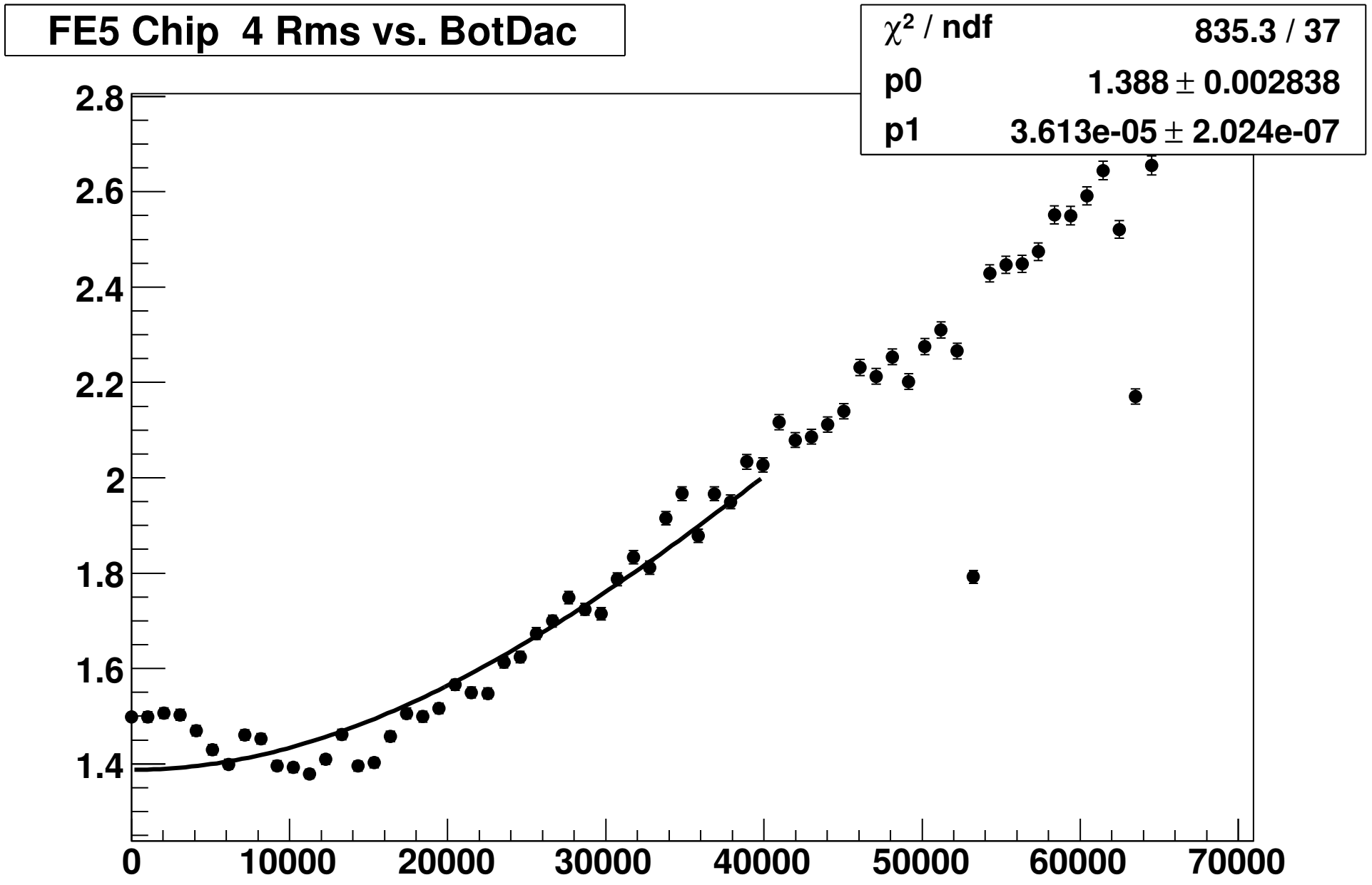
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 835.3 / 37
p0 1.388 ± 0.002838
p1 3.613e-05 ± 2.024e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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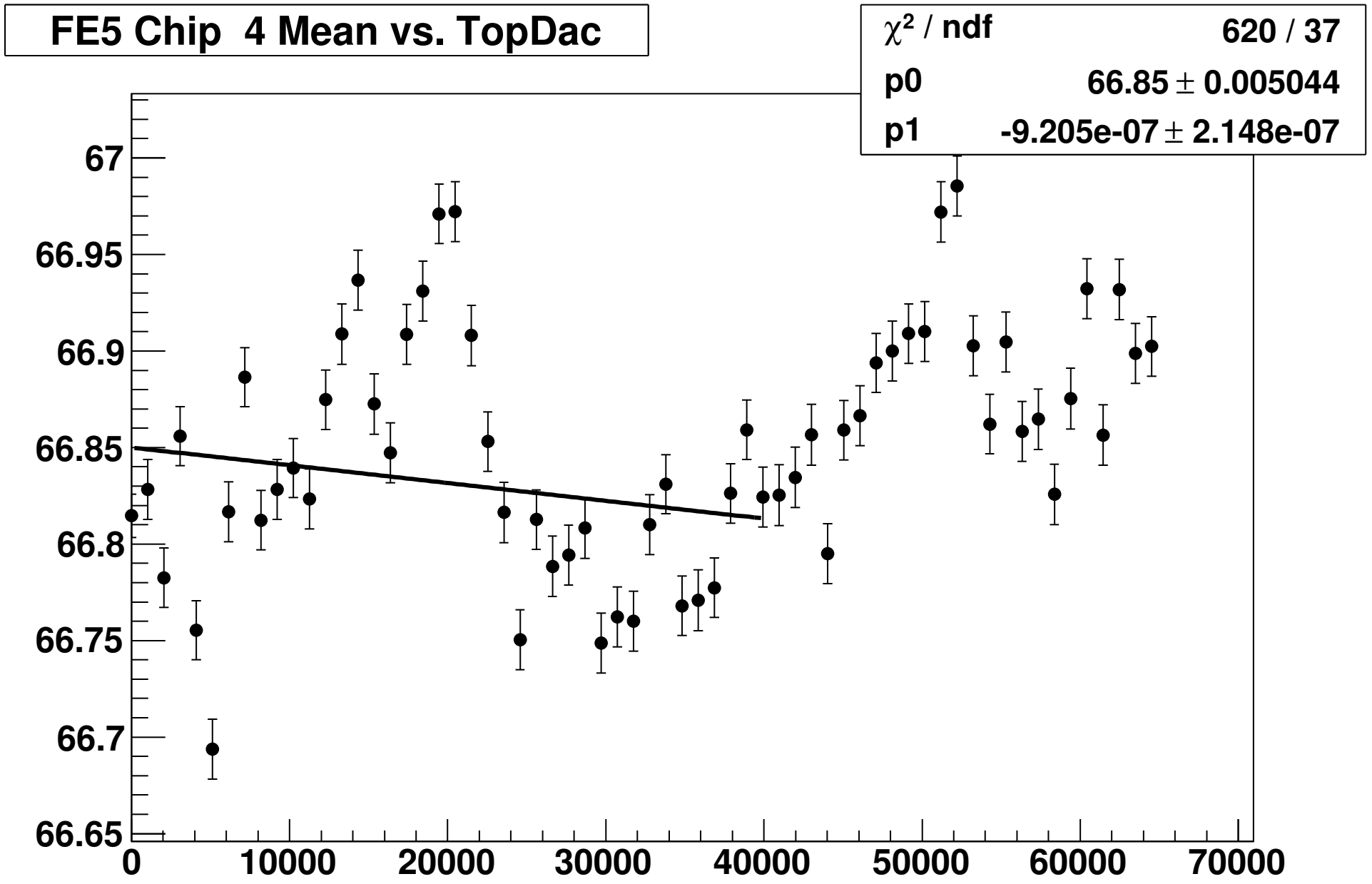
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 620 / 37
p0 66.85 ± 0.005044
p1 -9.205e-07 ± 2.148e-07
67
66.95
66.9
66.85
66.8
66.75
66.7
66.65
0
10000
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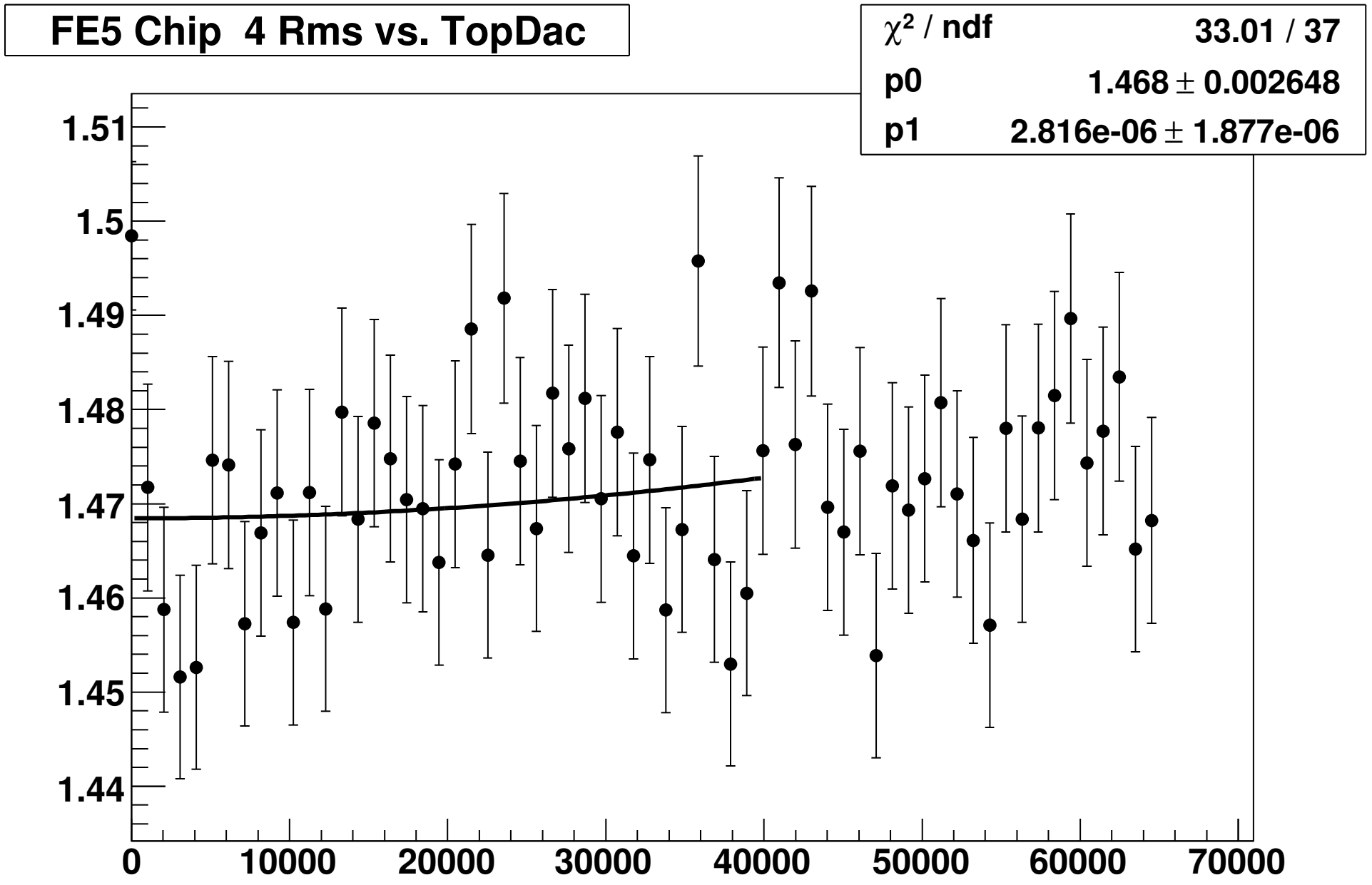
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 33.01 / 37
p0 1.468 ± 0.002648
p1 2.816e-06 ± 1.877e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
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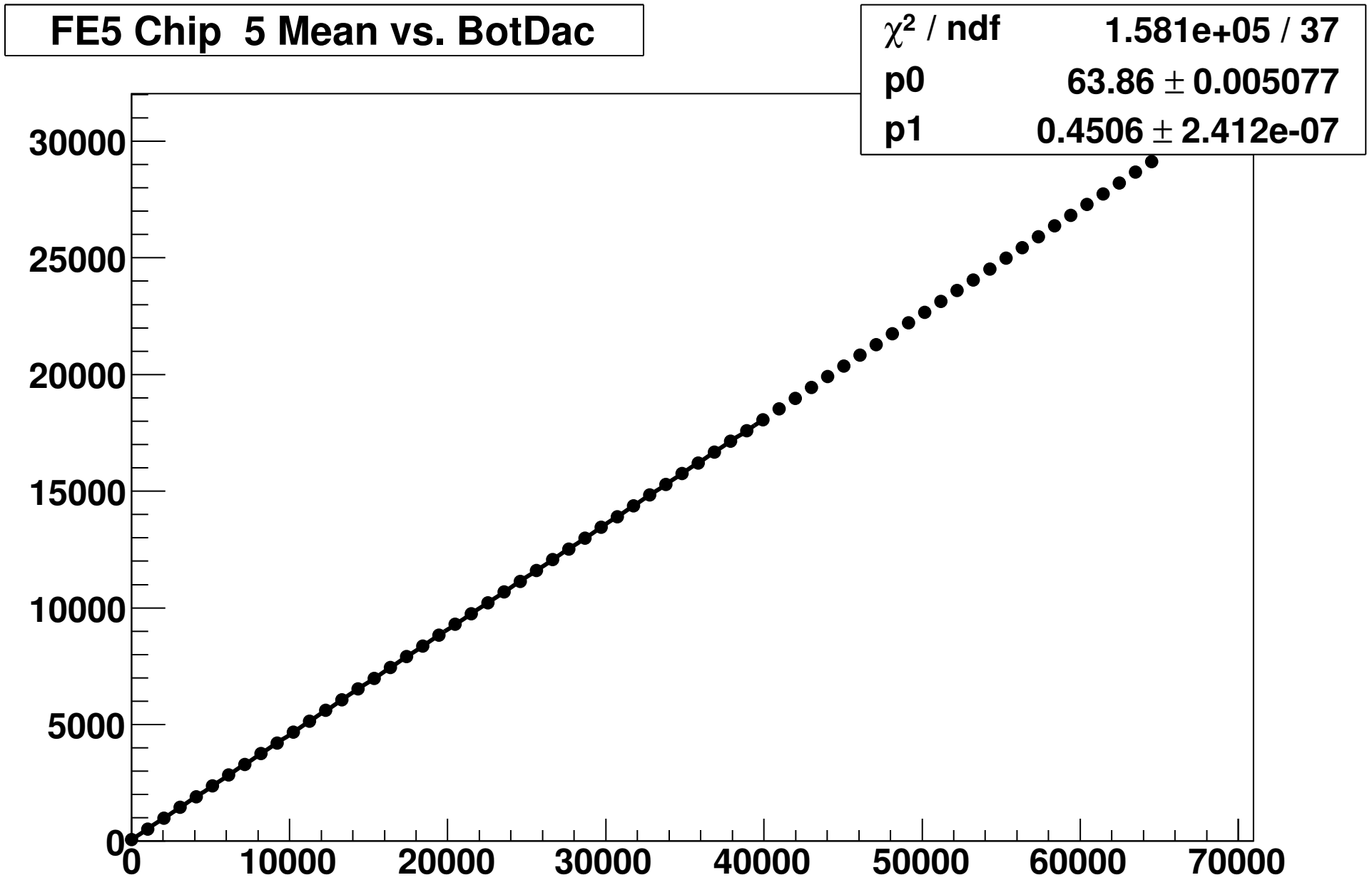
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.581e+05 / 37
p0 63.86 ± 0.005077
p1 0.4506 ± 2.412e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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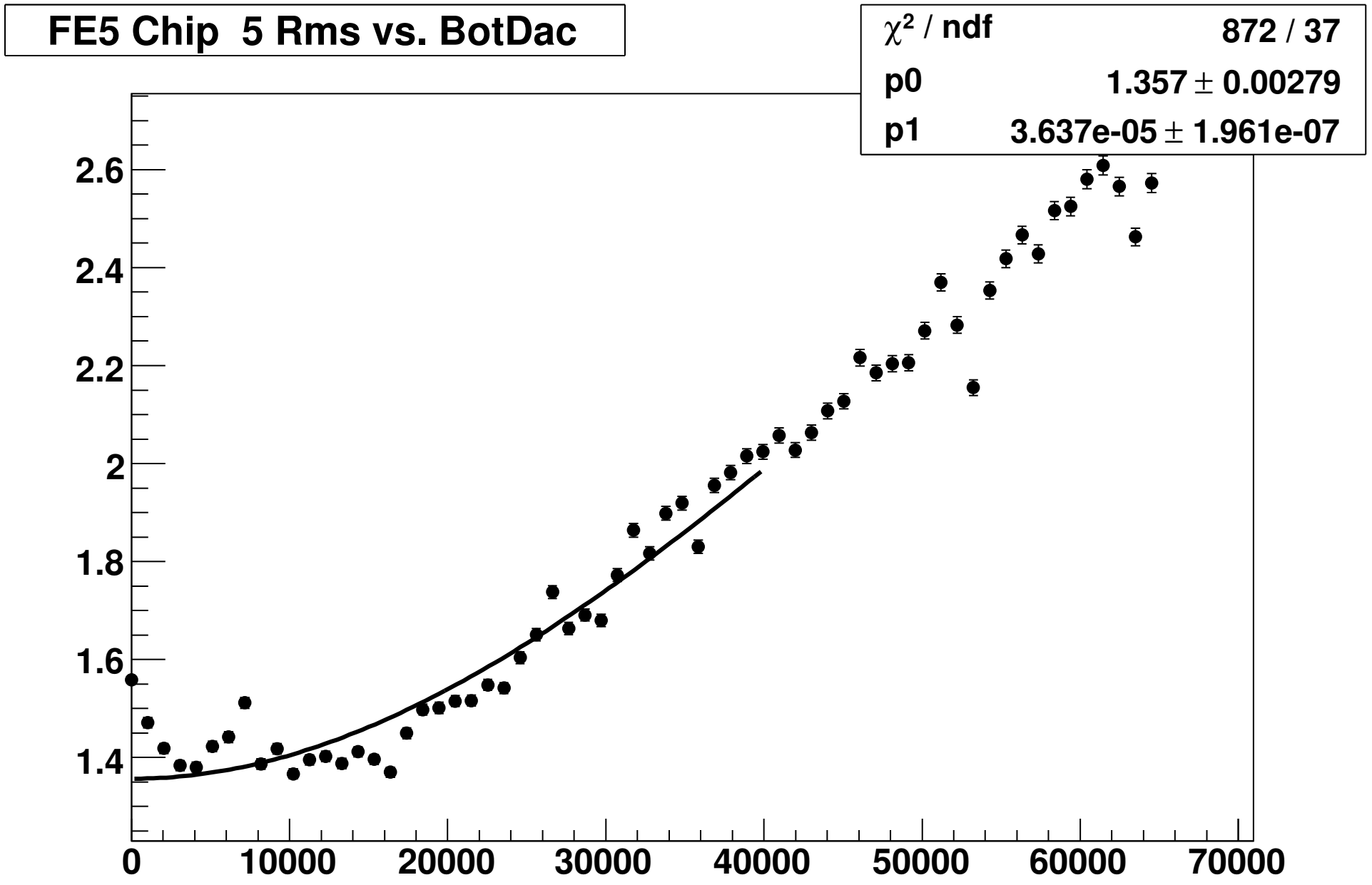
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 872 / 37
p0 1.357 ± 0.00279
p1 3.637e-05 ± 1.961e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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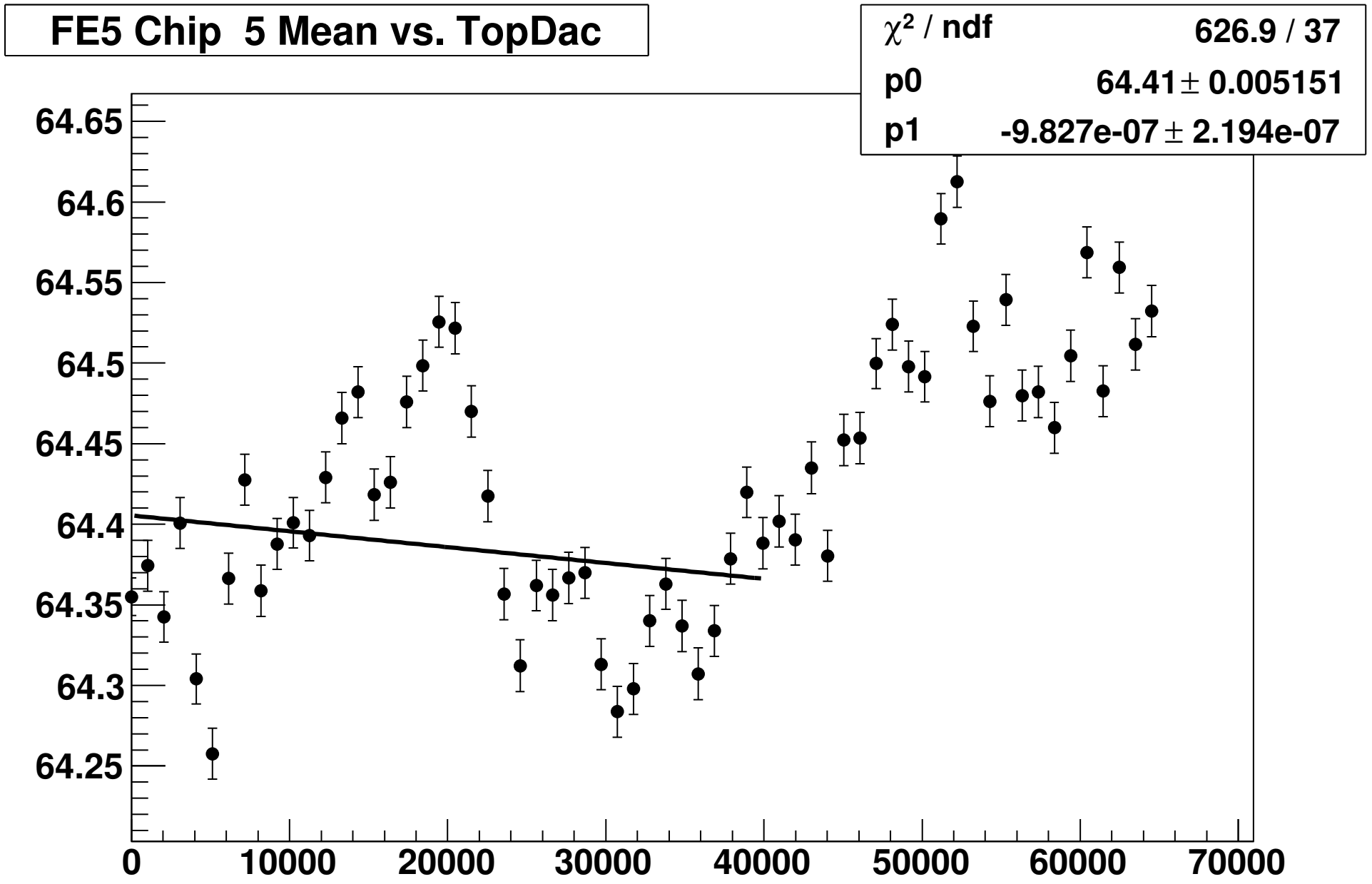
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 626.9 / 37
p0 64.41 ± 0.005151
p1 -9.827e-07 ± 2.194e-07
64.65
64.6
64.55
64.5
64.45
64.4
64.35
64.3
64.25
0
10000
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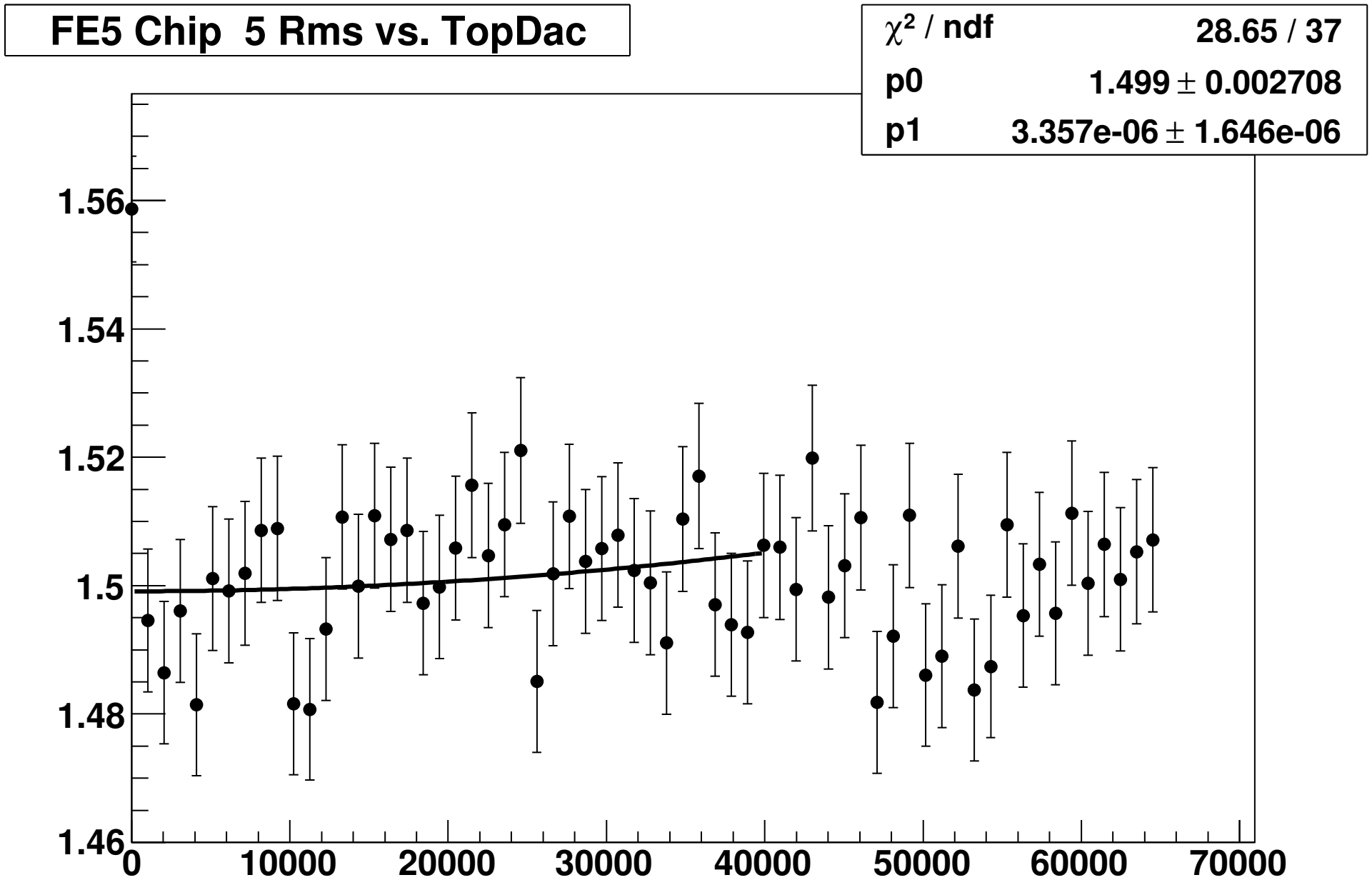
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 28.65 / 37
p0 1.499 ± 0.002708
p1 3.357e-06 ± 1.646e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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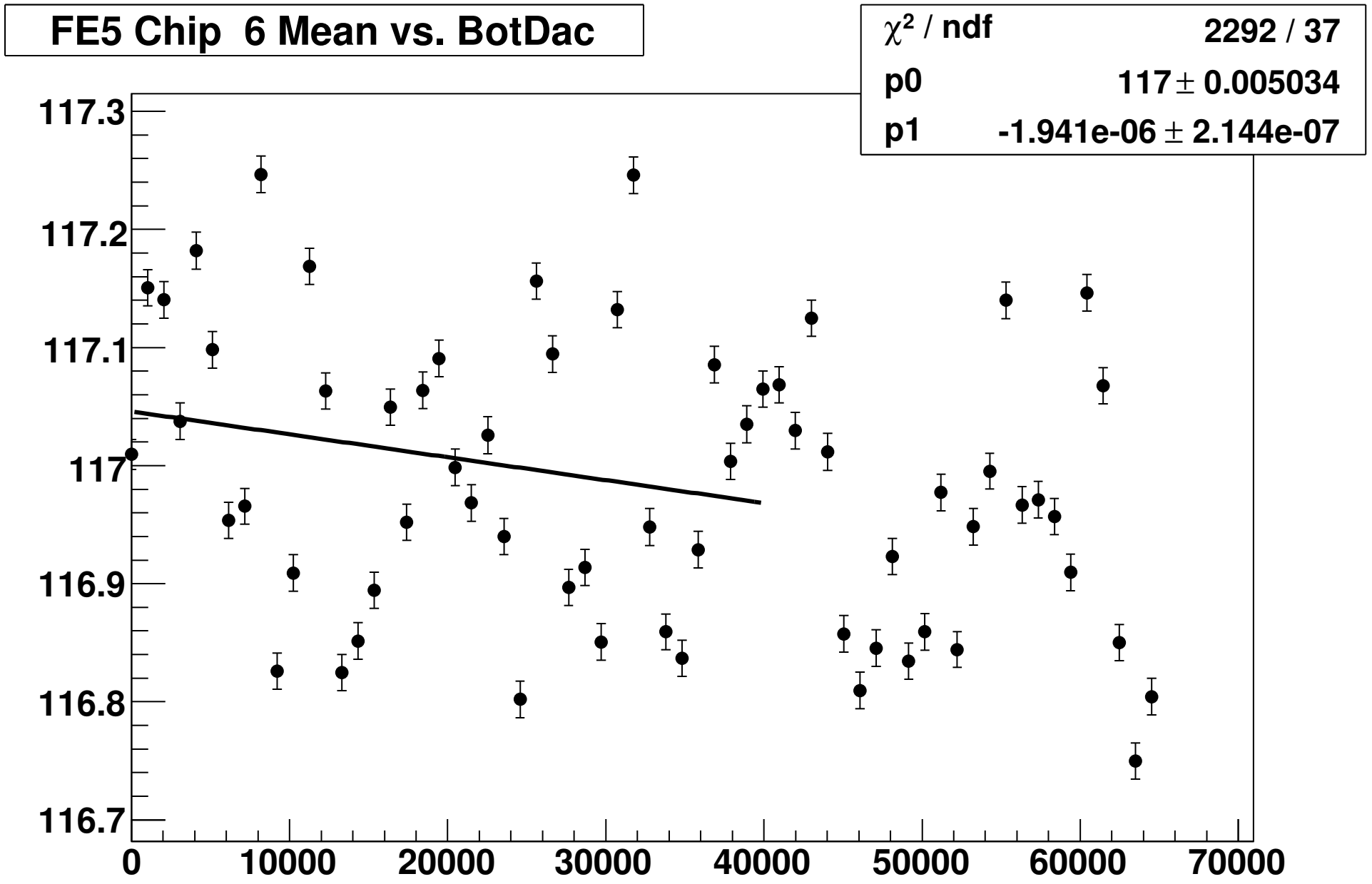
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 2292 / 37
p0 117 ± 0.005034
p1 -1.941e-06 ± 2.144e-07
117.3
117.2
117.1
117
116.9
116.8
116.7
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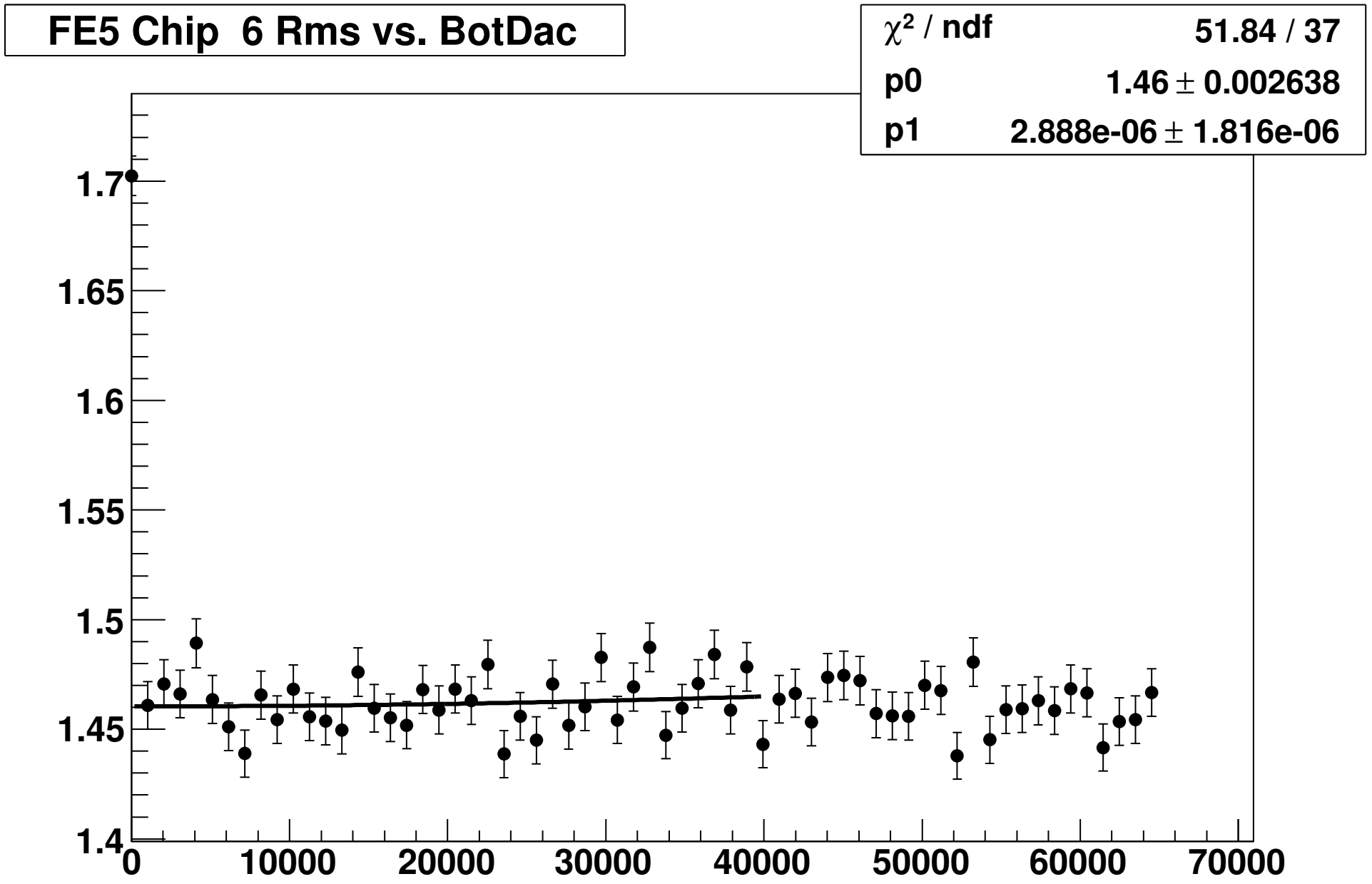
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 51.84 / 37
p0 1.46 ± 0.002638
p1 2.888e-06 ± 1.816e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
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10000
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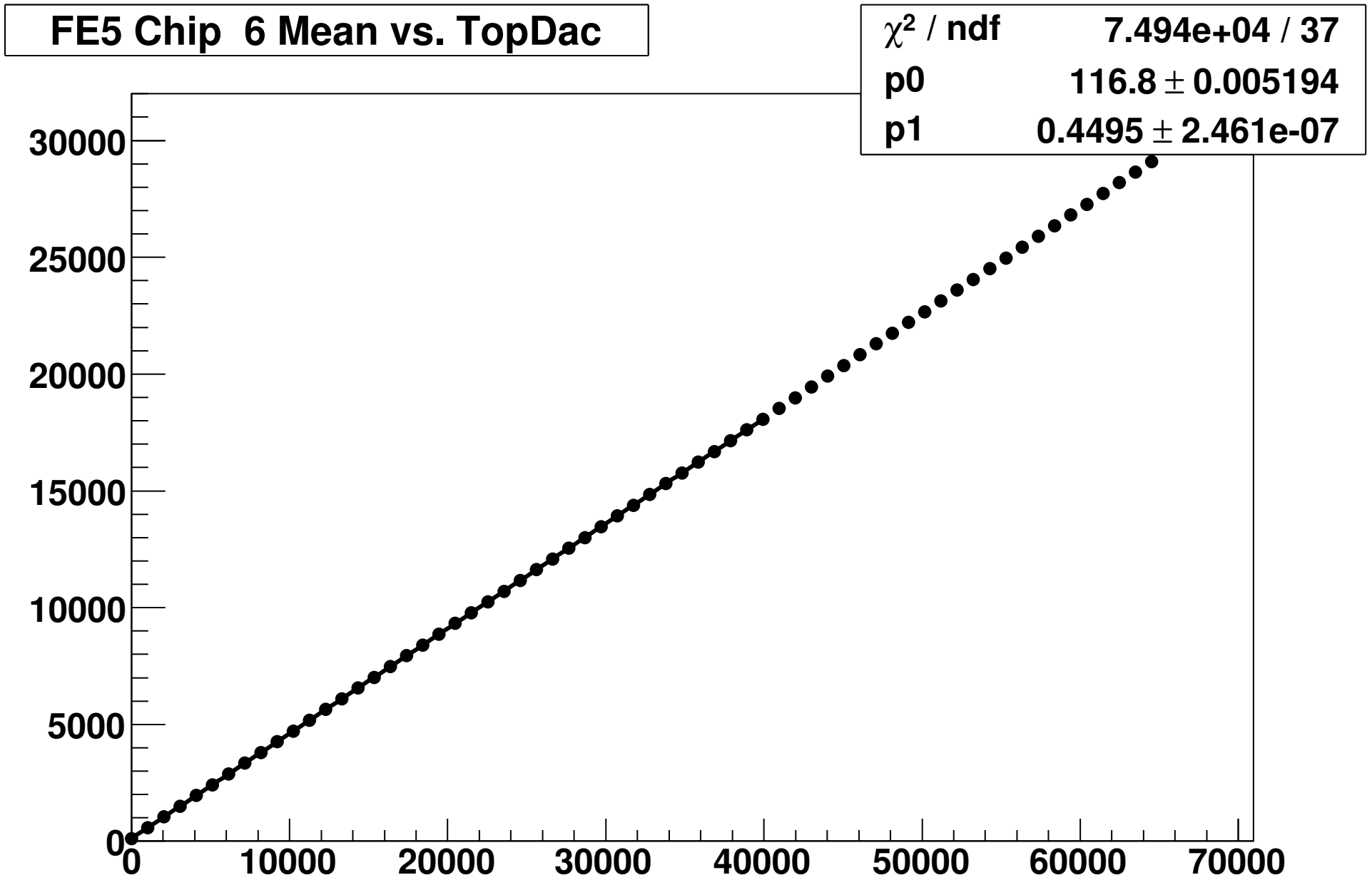
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.494e+04 / 37
p0 116.8 ± 0.005194
p1 0.4495 ± 2.461e-07
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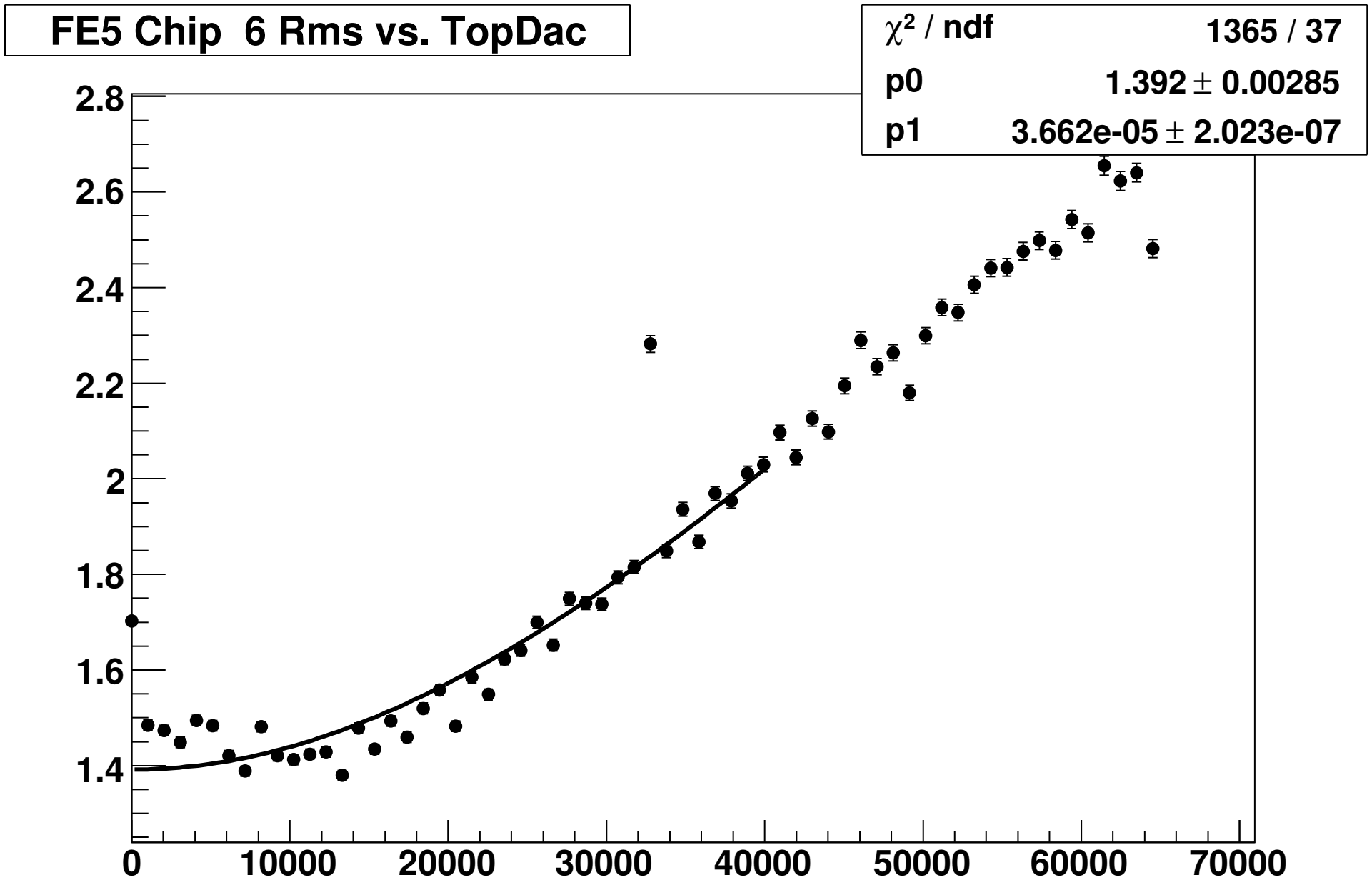
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1365 / 37
p0 1.392 ± 0.00285
p1 3.662e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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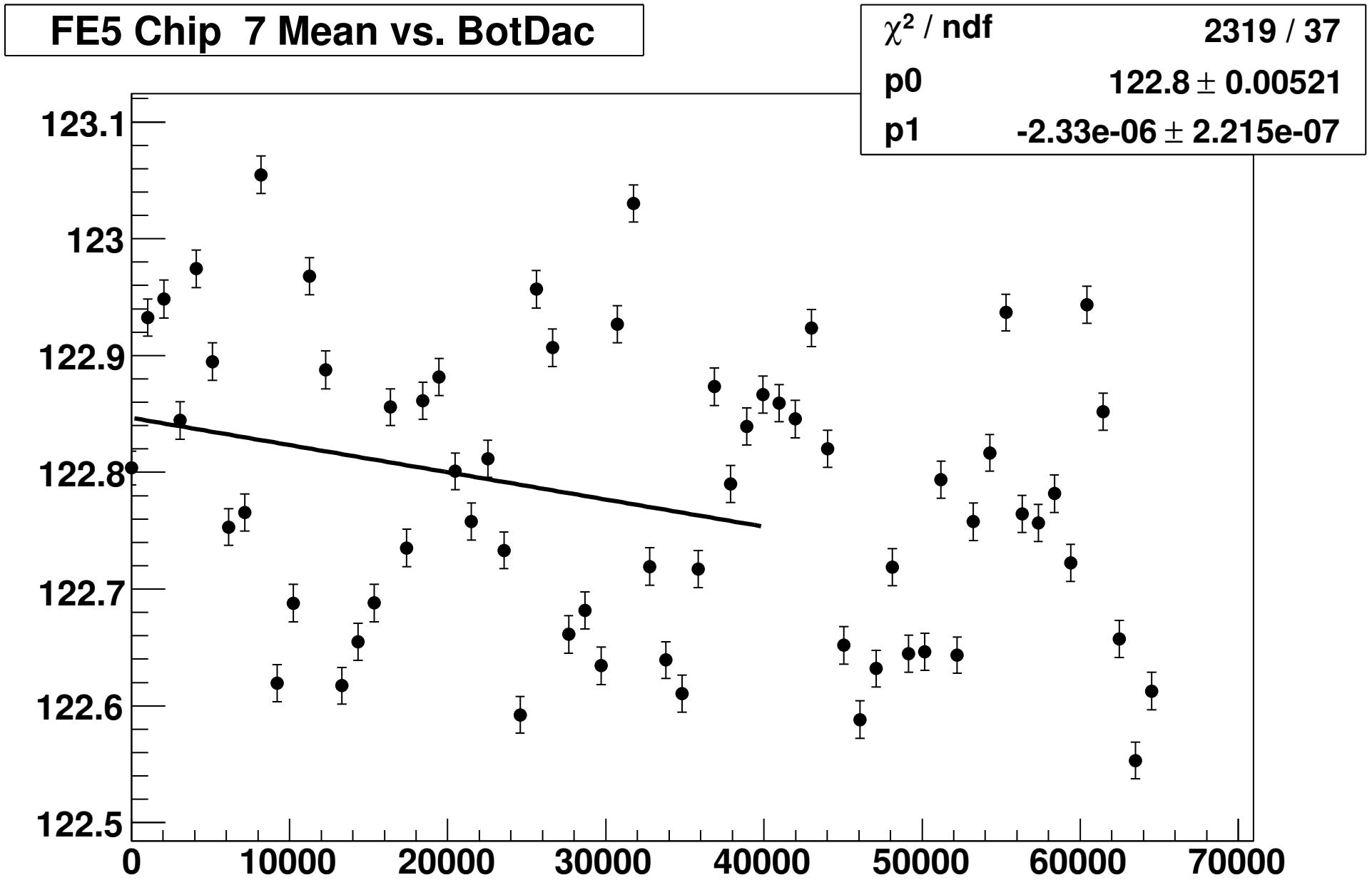
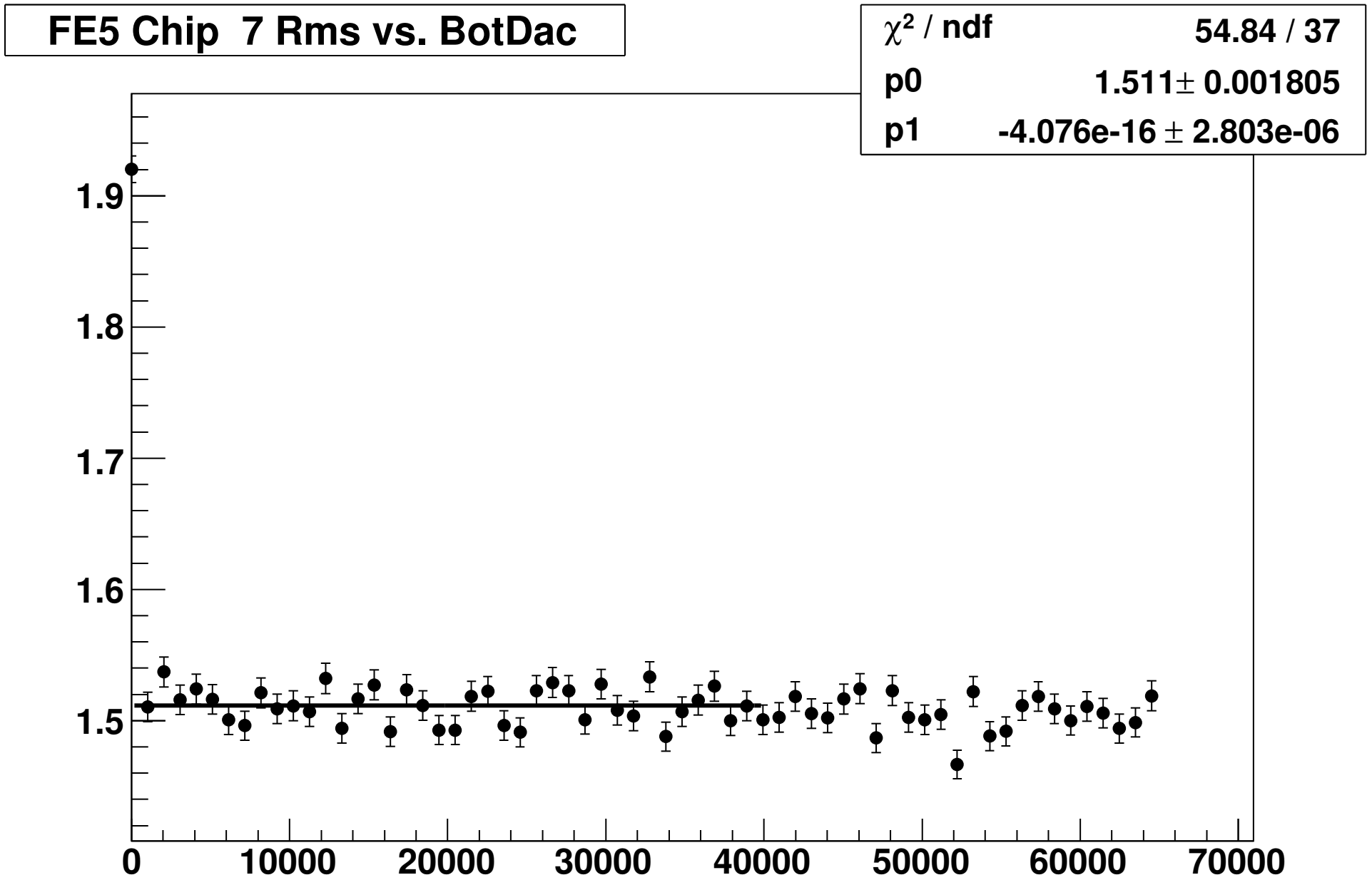

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 2319 / 37
p0 122.8 ± 0.00521
p1 -2.33e-06 ± 2.215e-07
123.1
123
122.9
122.8
122.7
122.6
122.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 54.84 / 37
p0 1.511± 0.001805
p1 -4.076e-16 ± 2.803e-06
1.9
1.8
1.7
1.6
1.5
0
10000
20000
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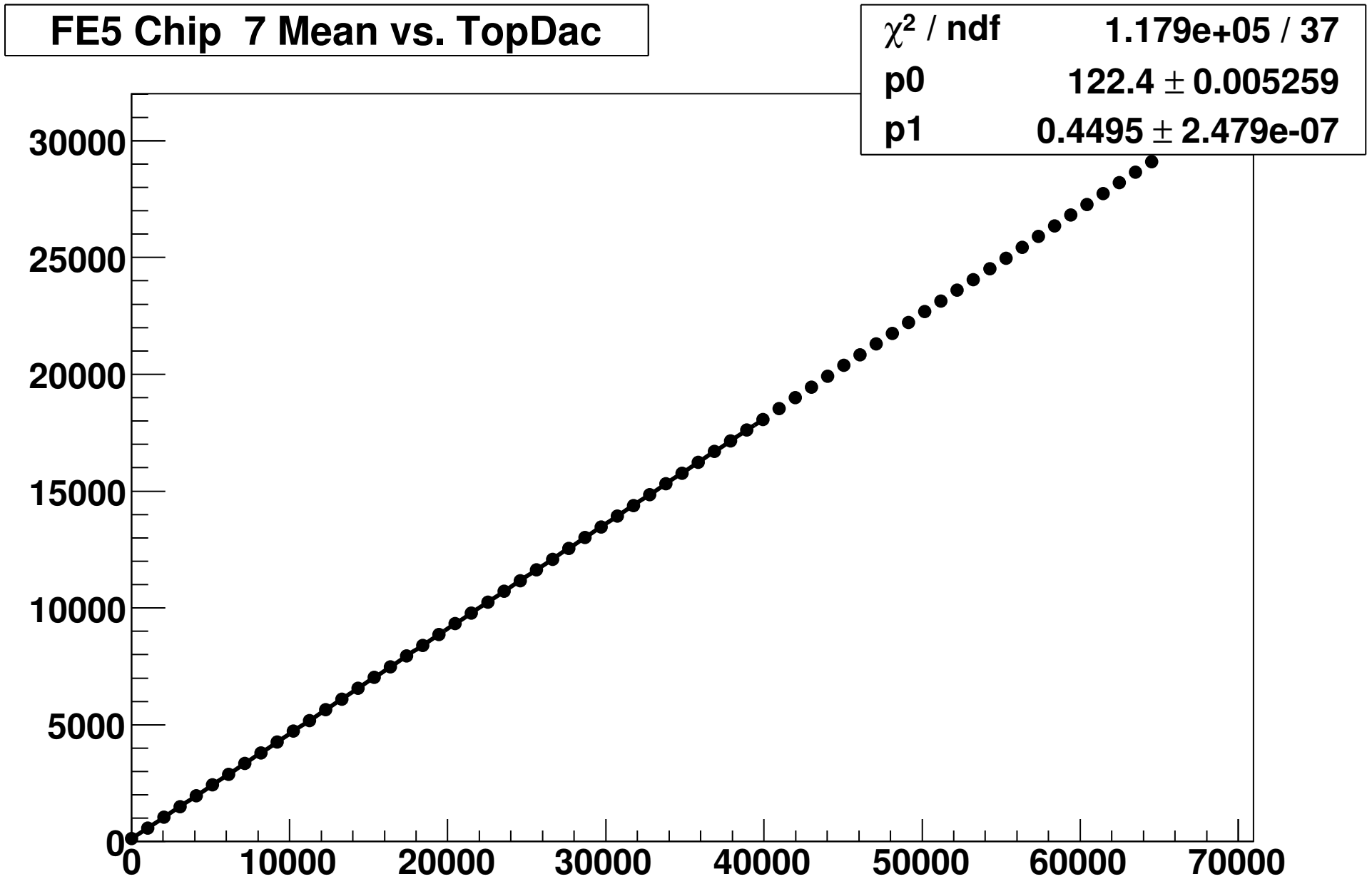
60000
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.179e+05 / 37
p0 122.4 ± 0.005259
p1 0.4495 ± 2.479e-07
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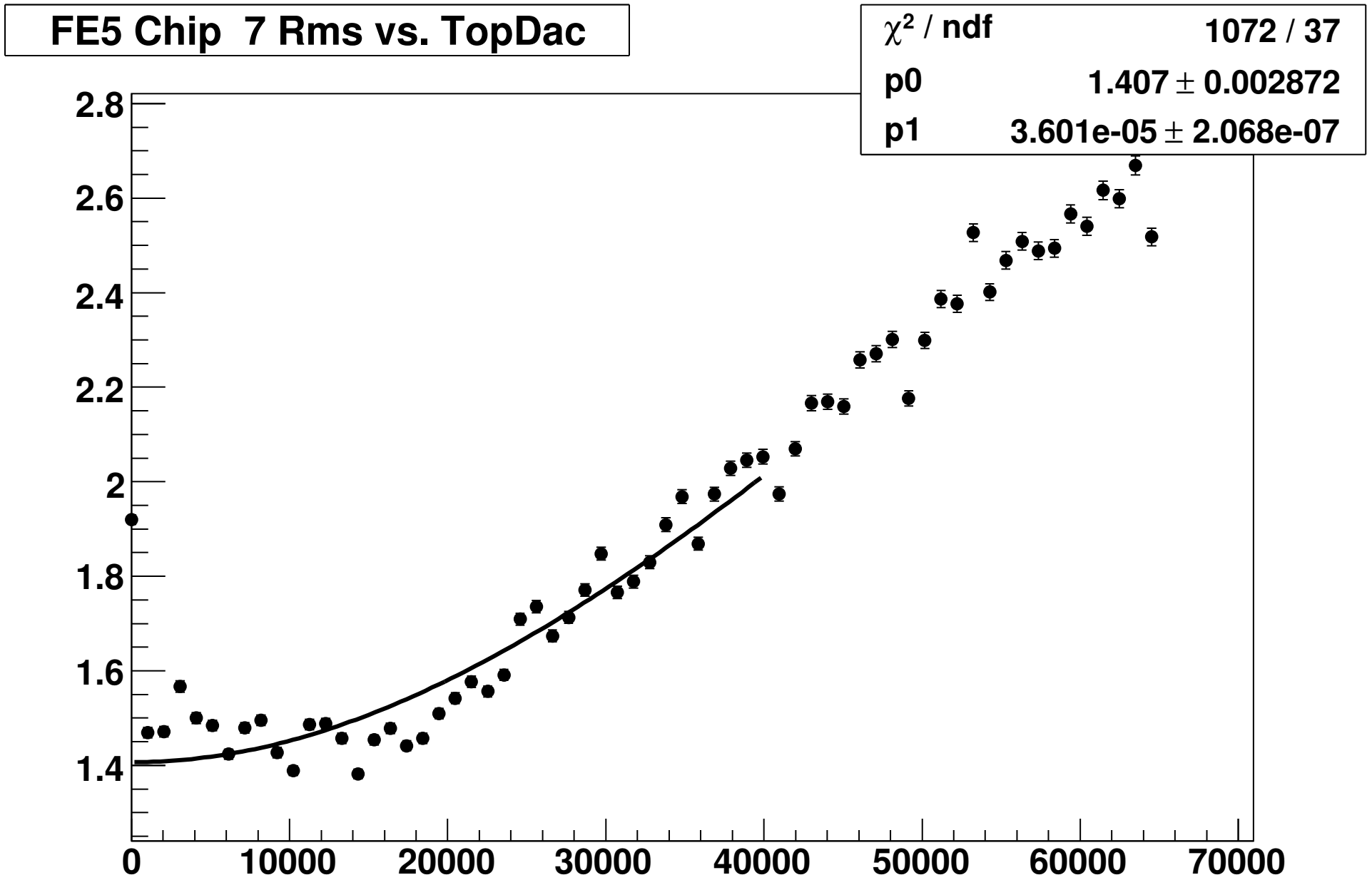
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1072 / 37
p0 1.407 ± 0.002872
p1 3.601e-05 ± 2.068e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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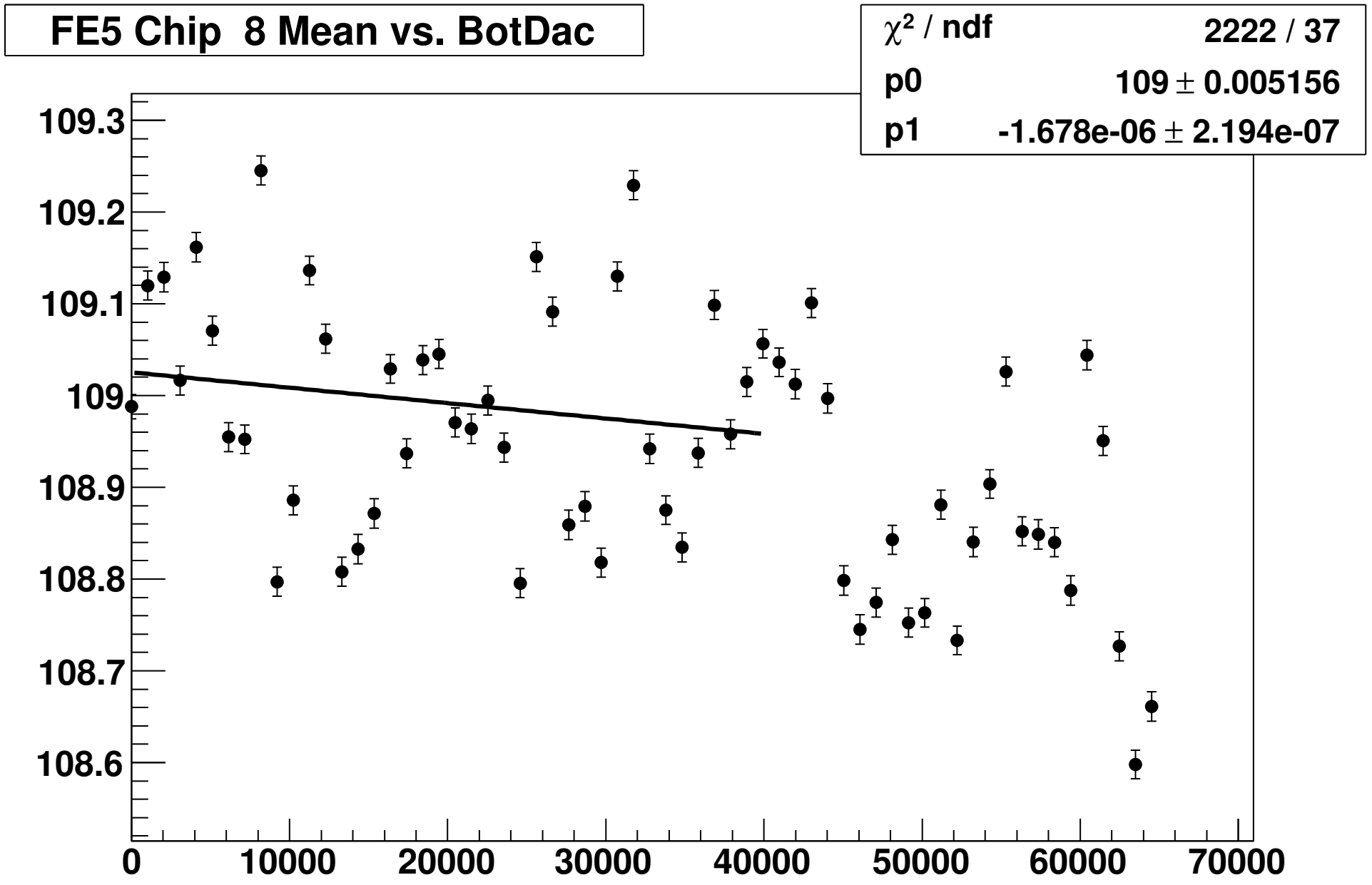
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 2222 / 37
p0 109 ± 0.005156
p1 -1.678e-06 ± 2.194e-07
109.3
109.2
109.1
109
108.9
108.8
108.7
108.6
0
10000
20000
30000
40000
50000
60000
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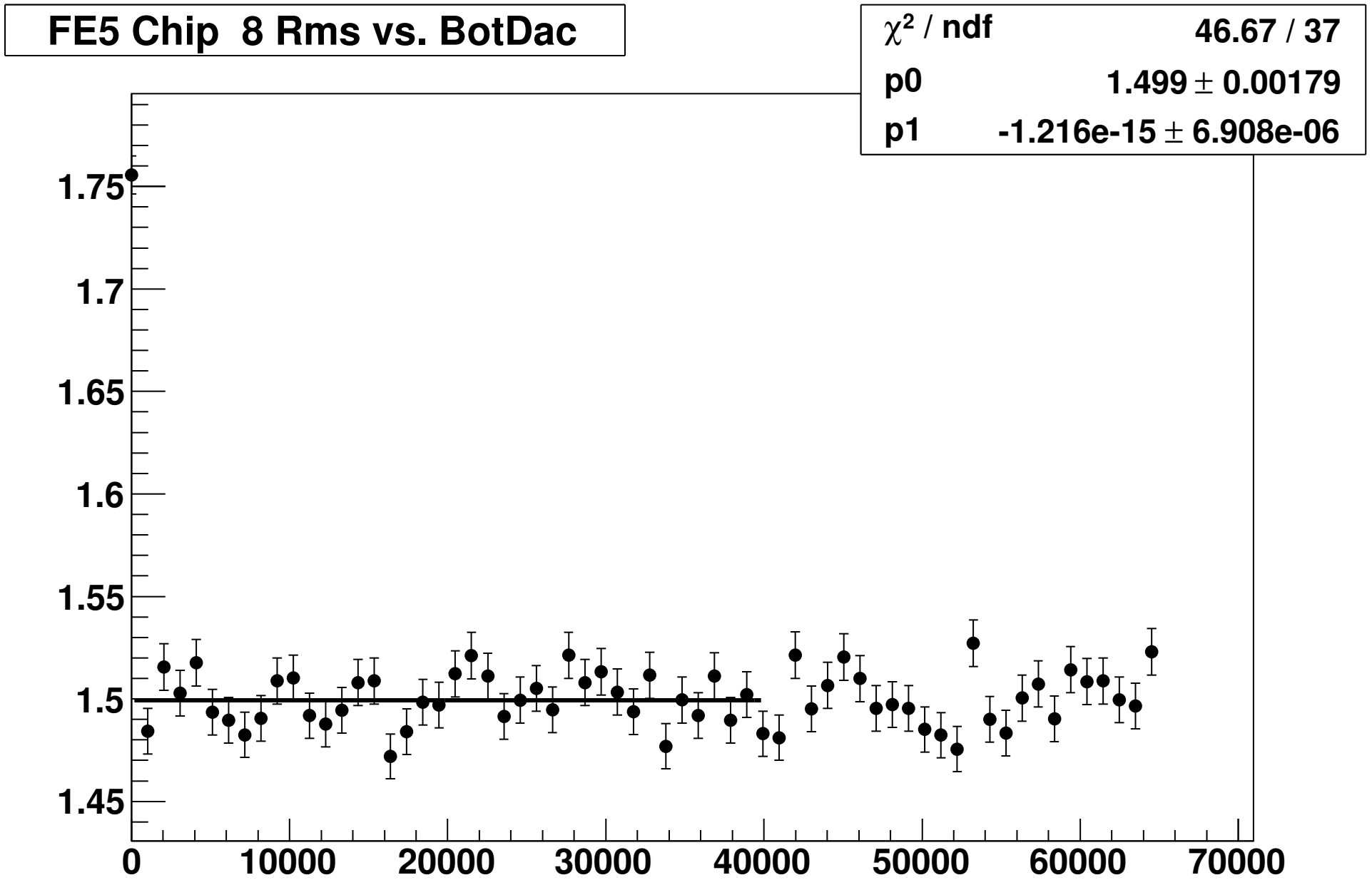
FE5 Chip 8 Rms vs. BotDac
χ² / ndf 46.67 / 37
p0 1.499 ± 0.00179
p1 -1.216e-15 ± 6.908e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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50000
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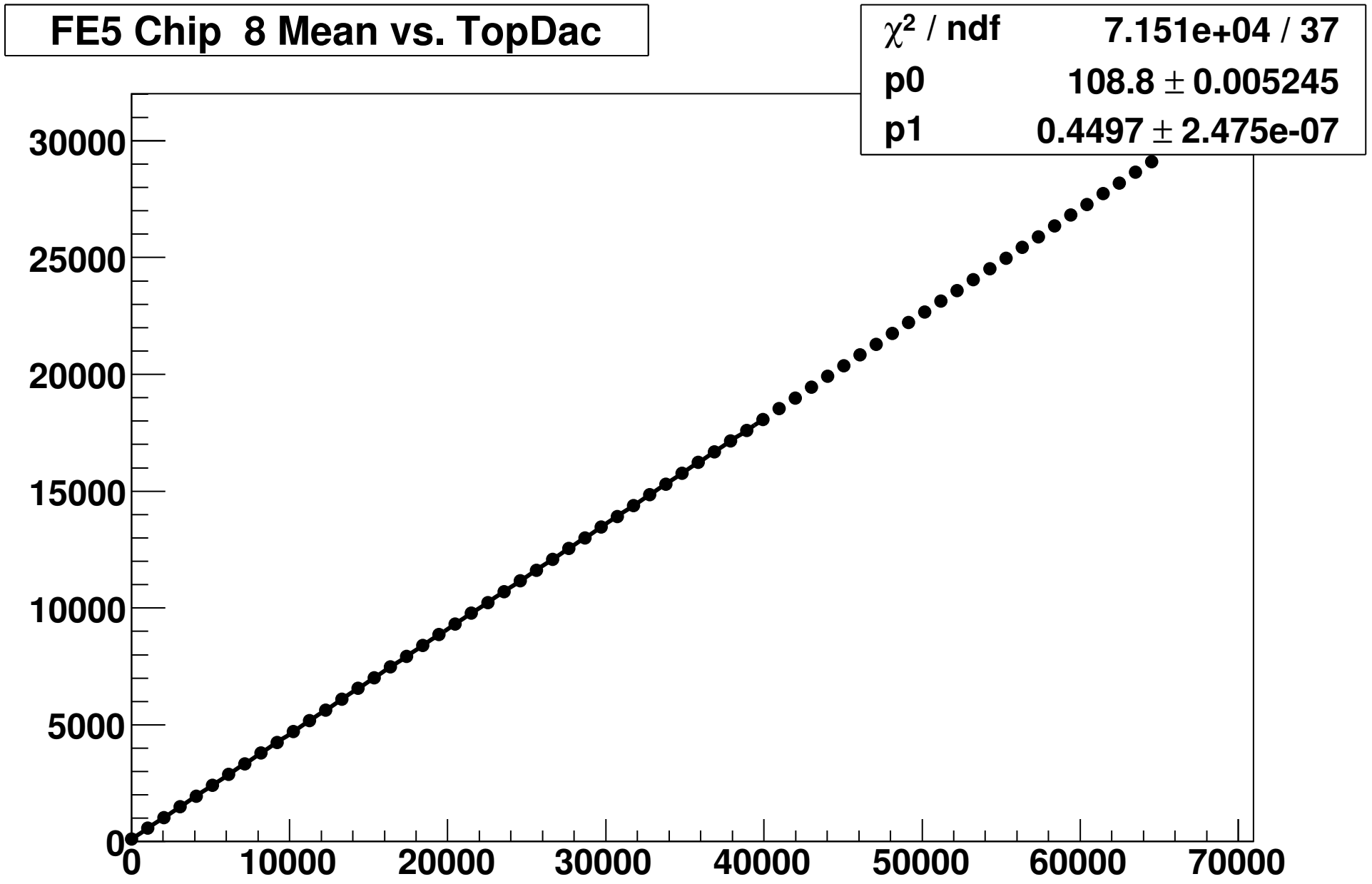
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 7.151e+04 / 37
p0 108.8 ± 0.005245
p1 0.4497 ± 2.475e-07
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25000
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15000
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20000
30000
40000
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60000
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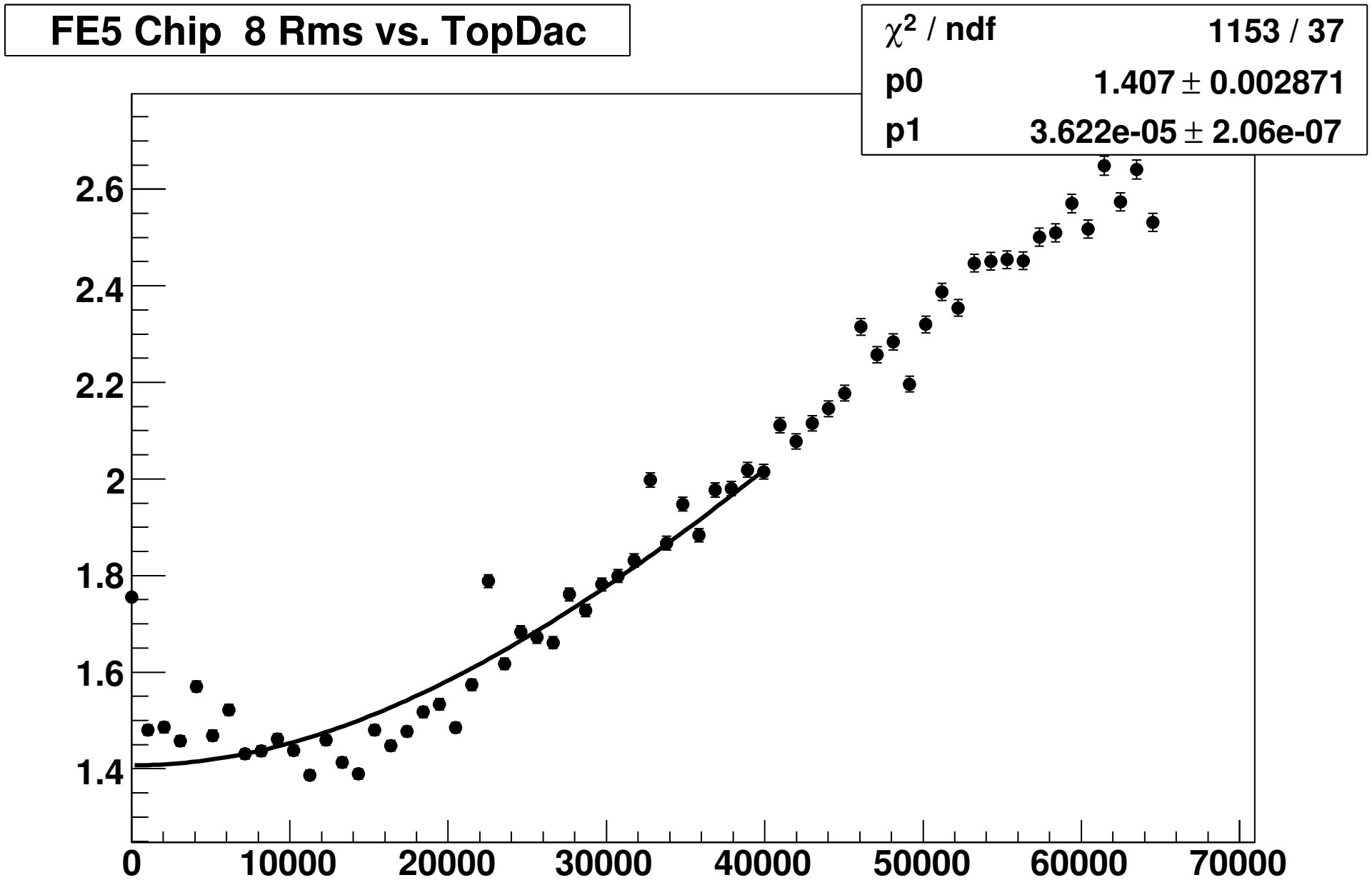
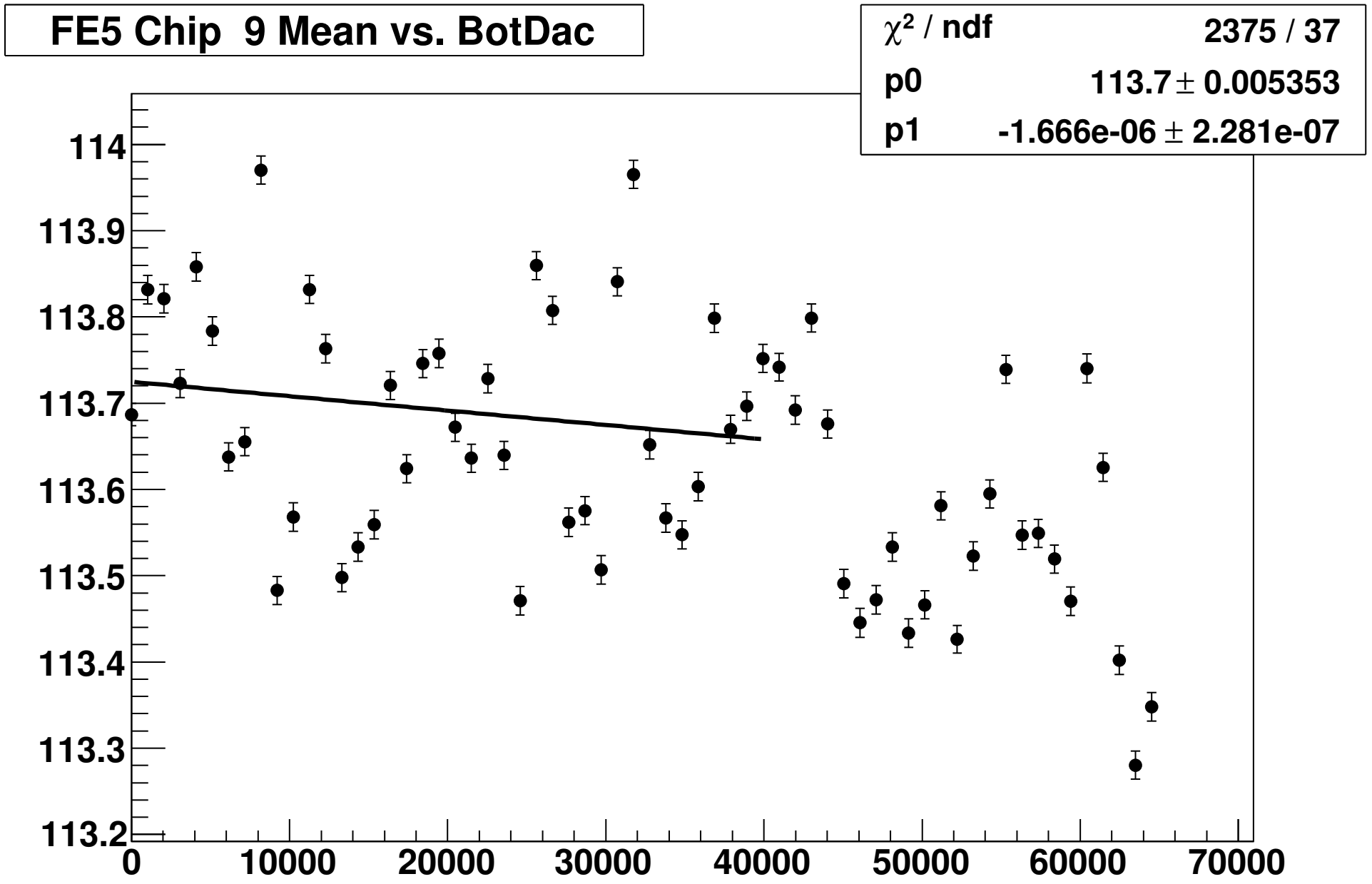
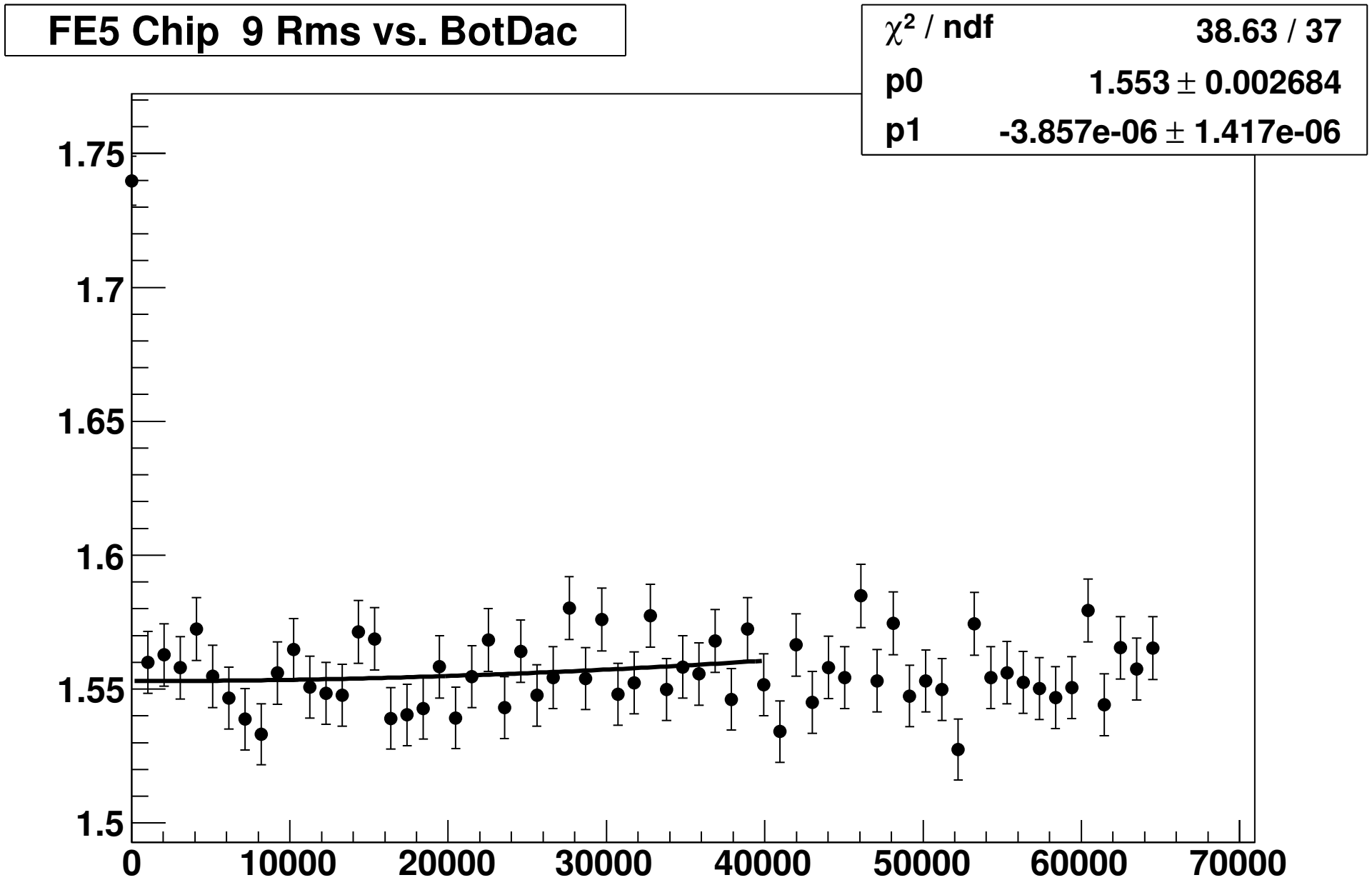

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1153 / 37
p0 1.407 ± 0.002871
p1 3.622e-05 ± 2.06e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 2375 / 37
p0 113.7 ± 0.005353
p1 -1.666e-06 ± 2.281e-07
114
113.9
113.8
113.7
113.6
113.5
113.4
113.3
113.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 38.63 / 37
p0 1.553 ± 0.002684
p1 -3.857e-06 ± 1.417e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
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20000
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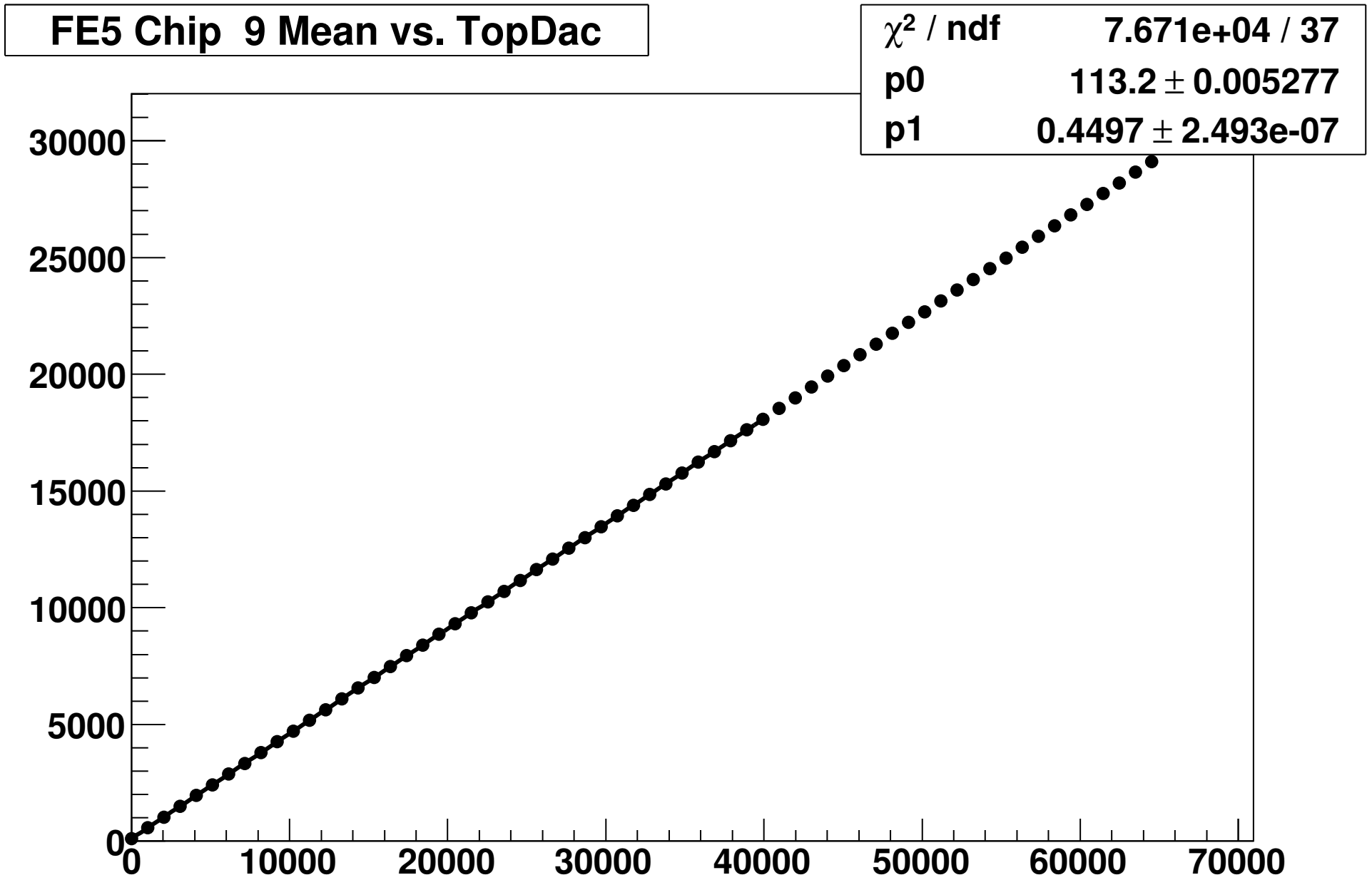
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 7.671e+04 / 37
p0 113.2 ± 0.005277
p1 0.4497 ± 2.493e-07
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20000
15000
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5000
0
0
10000
20000
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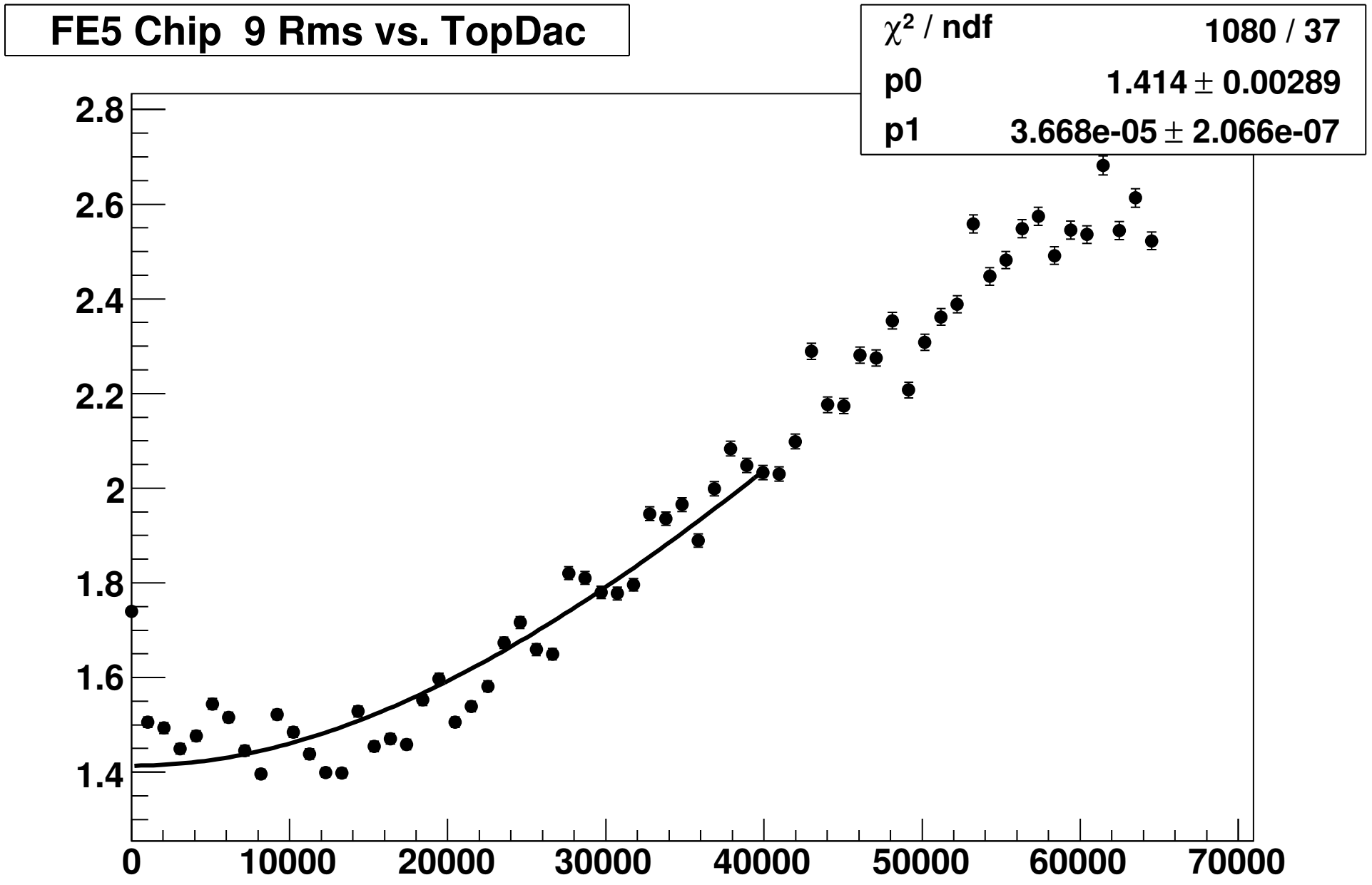
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1080 / 37
p0 1.414 ± 0.00289
p1 3.668e-05 ± 2.066e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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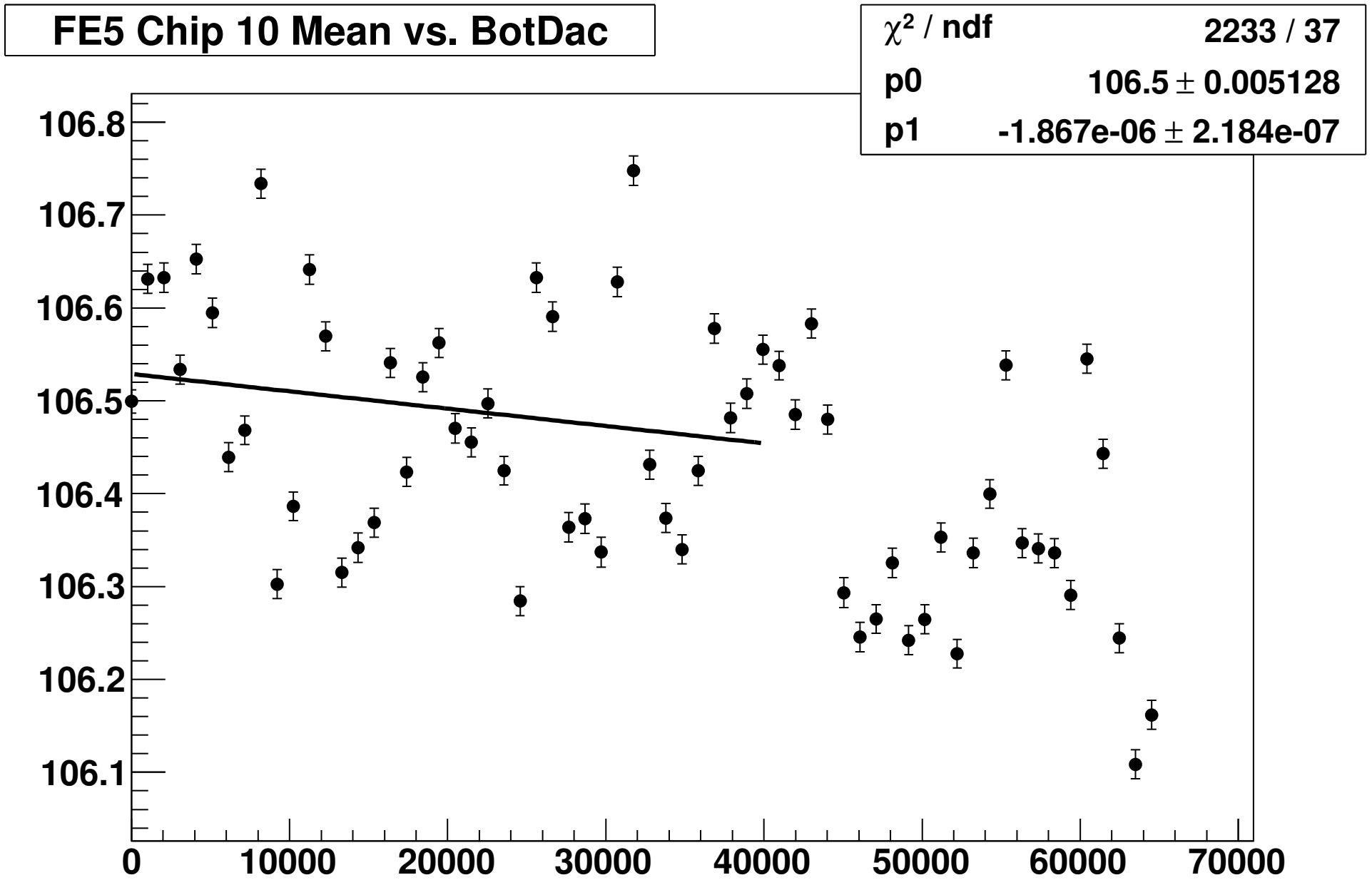
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 2233 / 37
p0 106.5 ± 0.005128
p1 -1.867e-06 ± 2.184e-07
106.8
106.7
106.6
106.5
106.4
106.3
106.2
106.1
0
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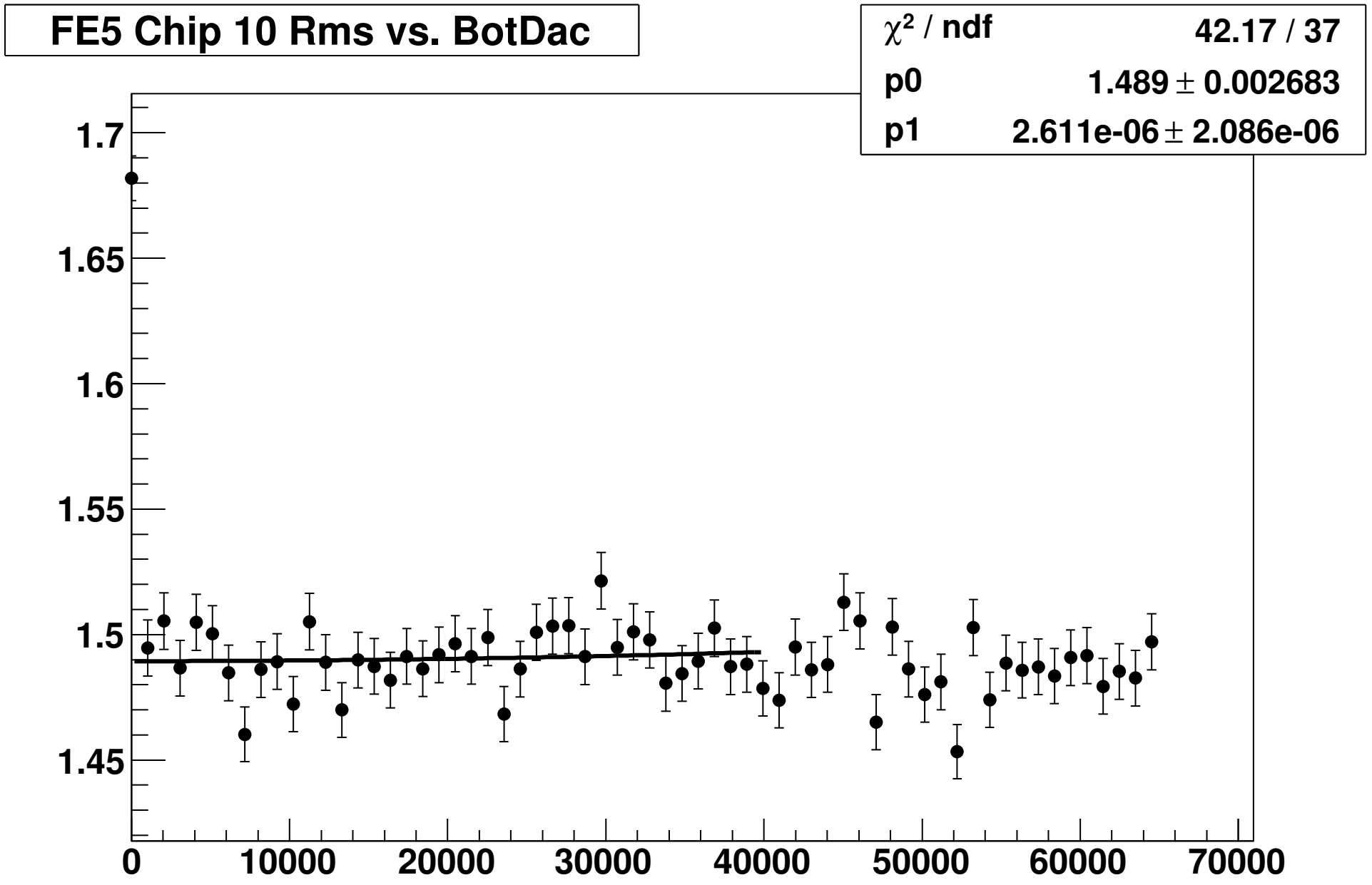
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 42.17 / 37
p0 1.489 ± 0.002683
p1 2.611e-06 ± 2.086e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
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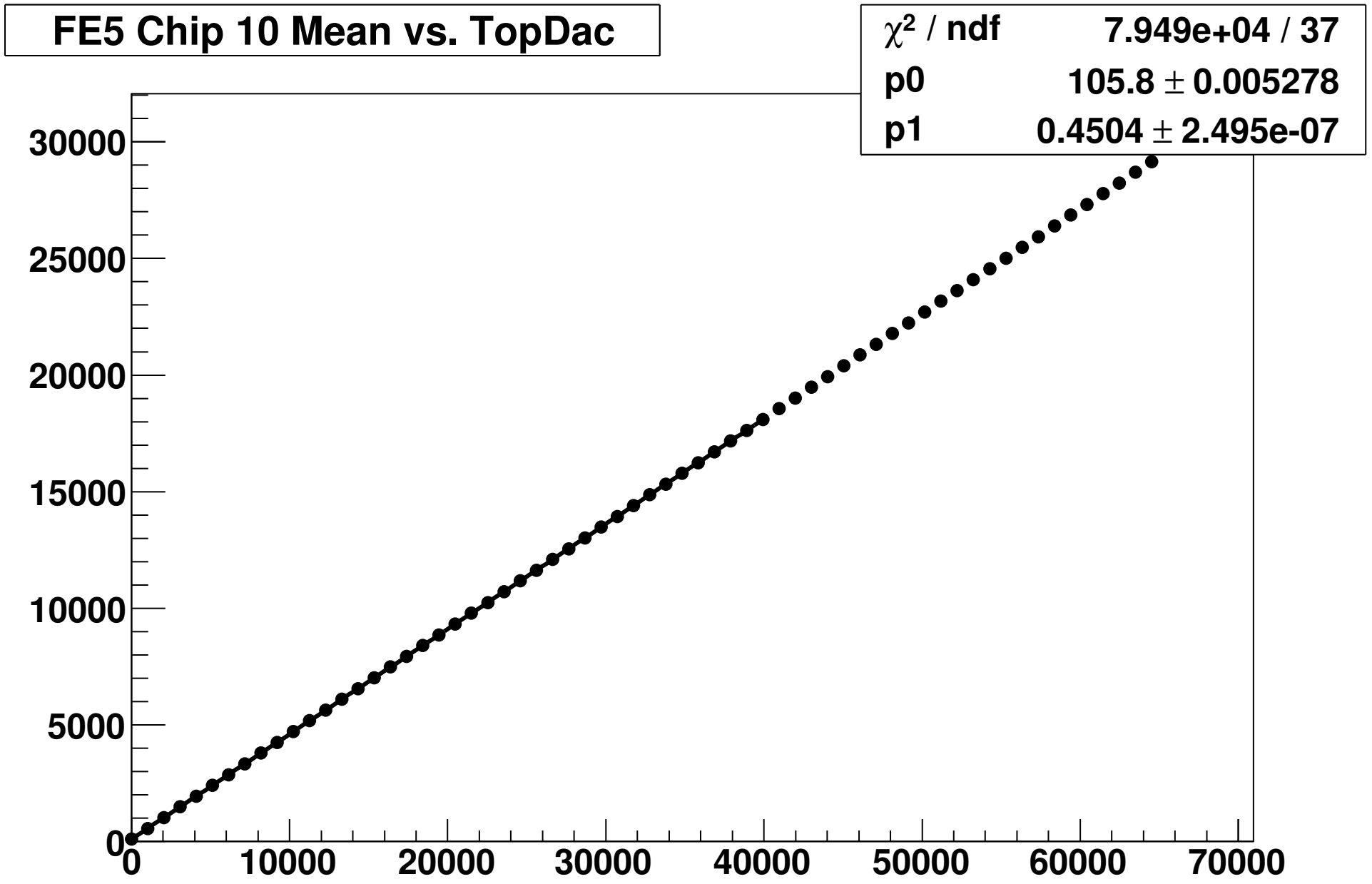
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 7.949e+04 / 37
p0 105.8 ± 0.005278
p1 0.4504 ± 2.495e-07
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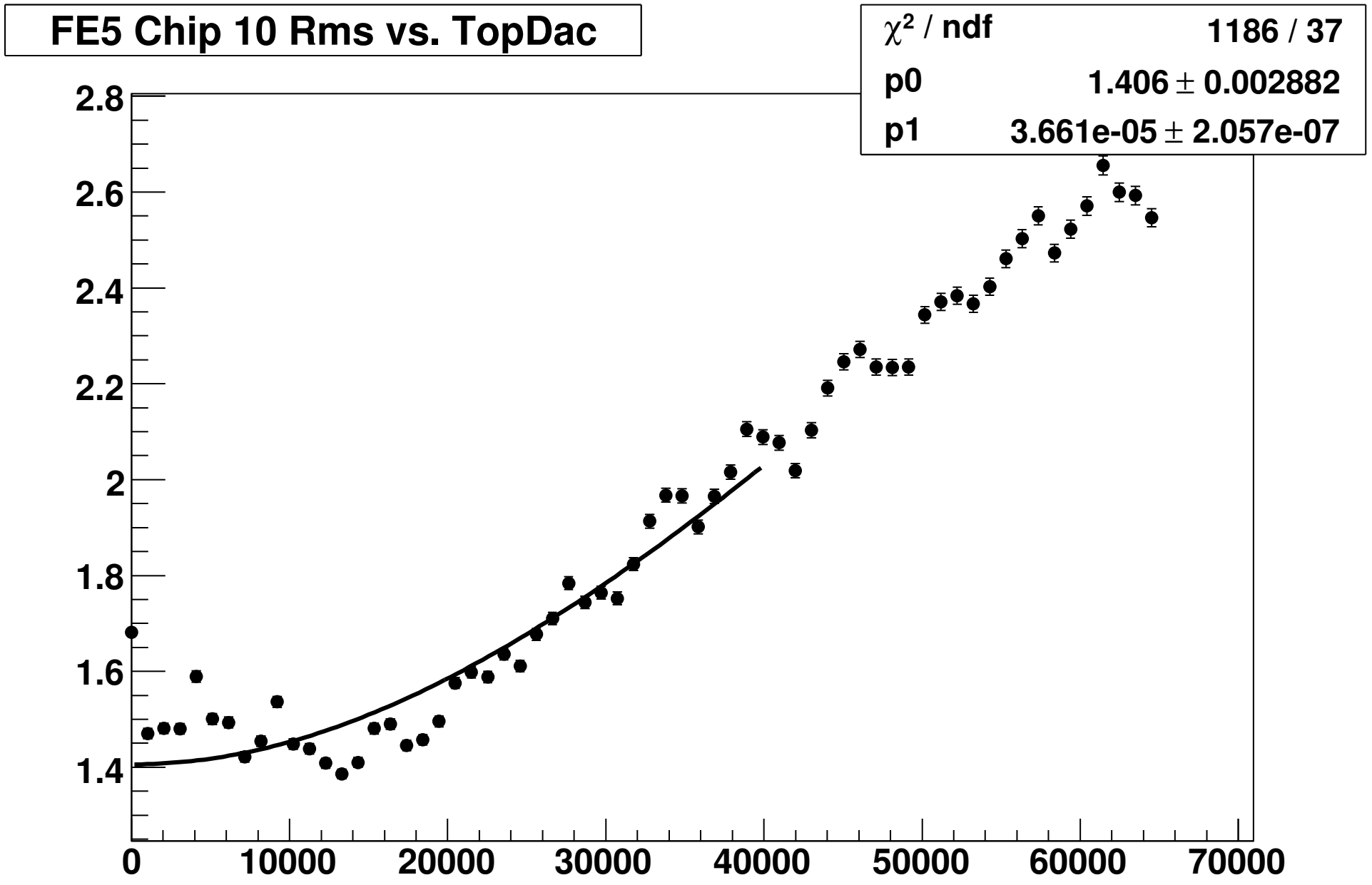
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1186 / 37
p0 1.406 ± 0.002882
p1 3.661e-05 ± 2.057e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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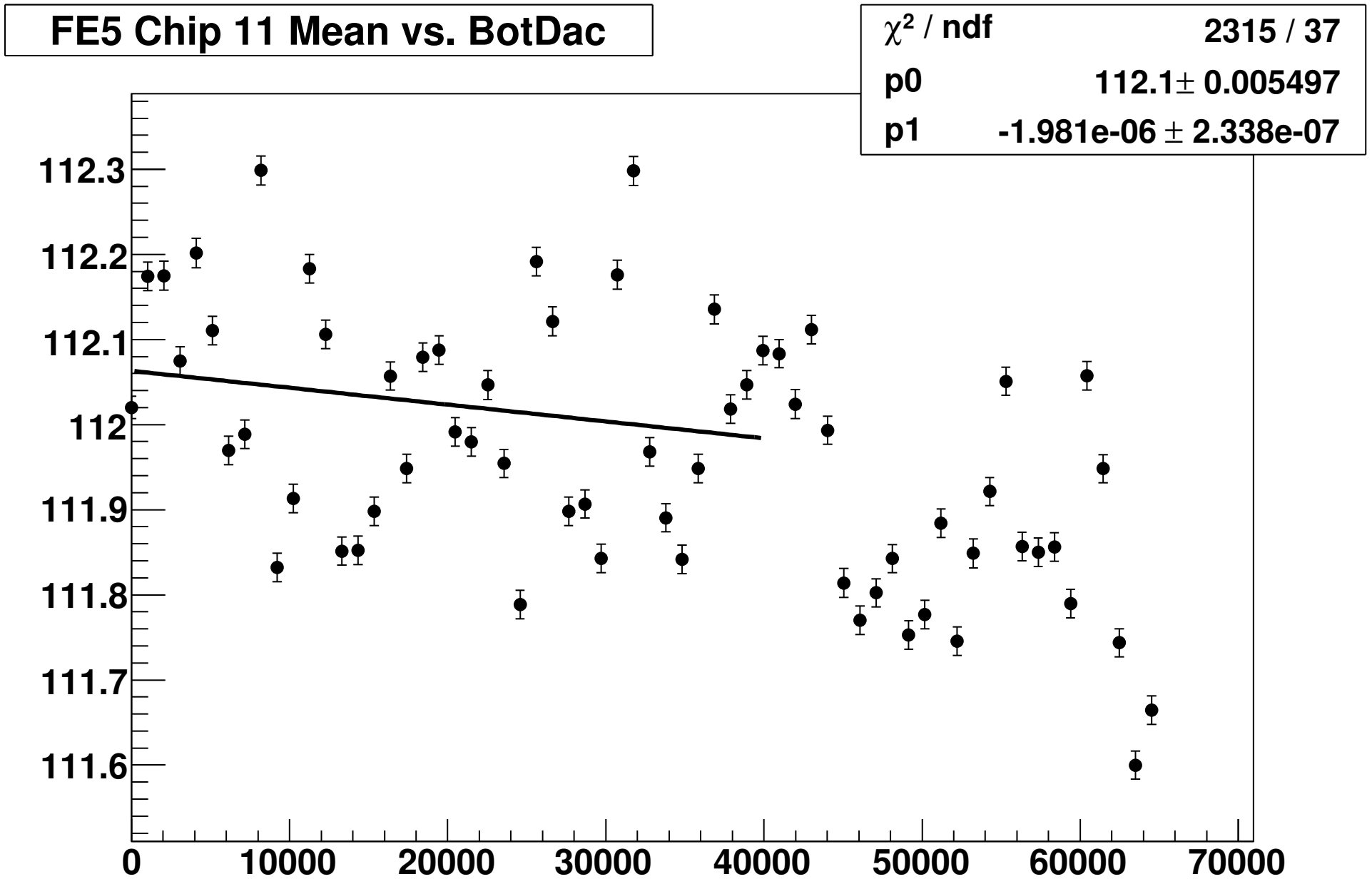
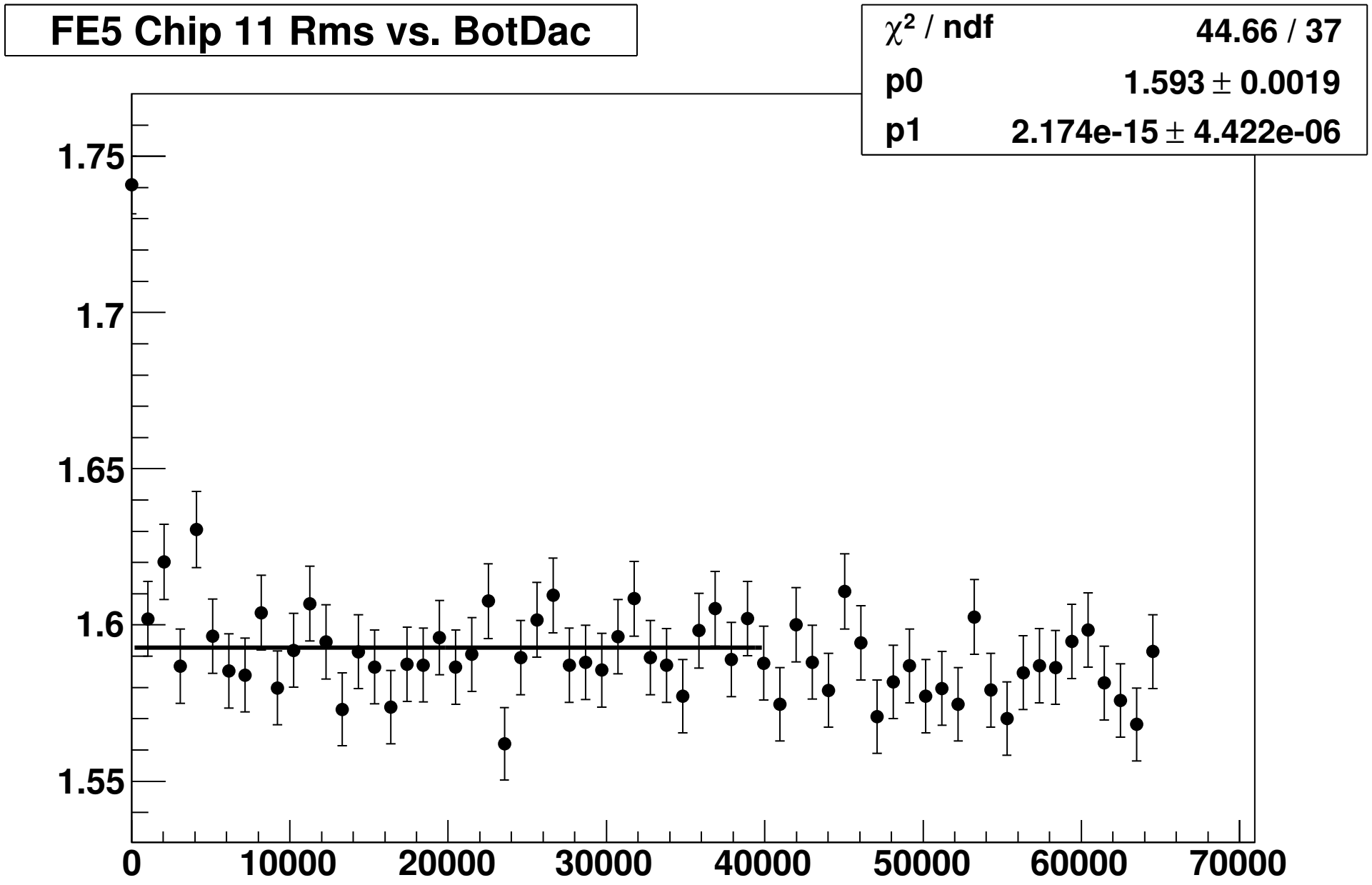
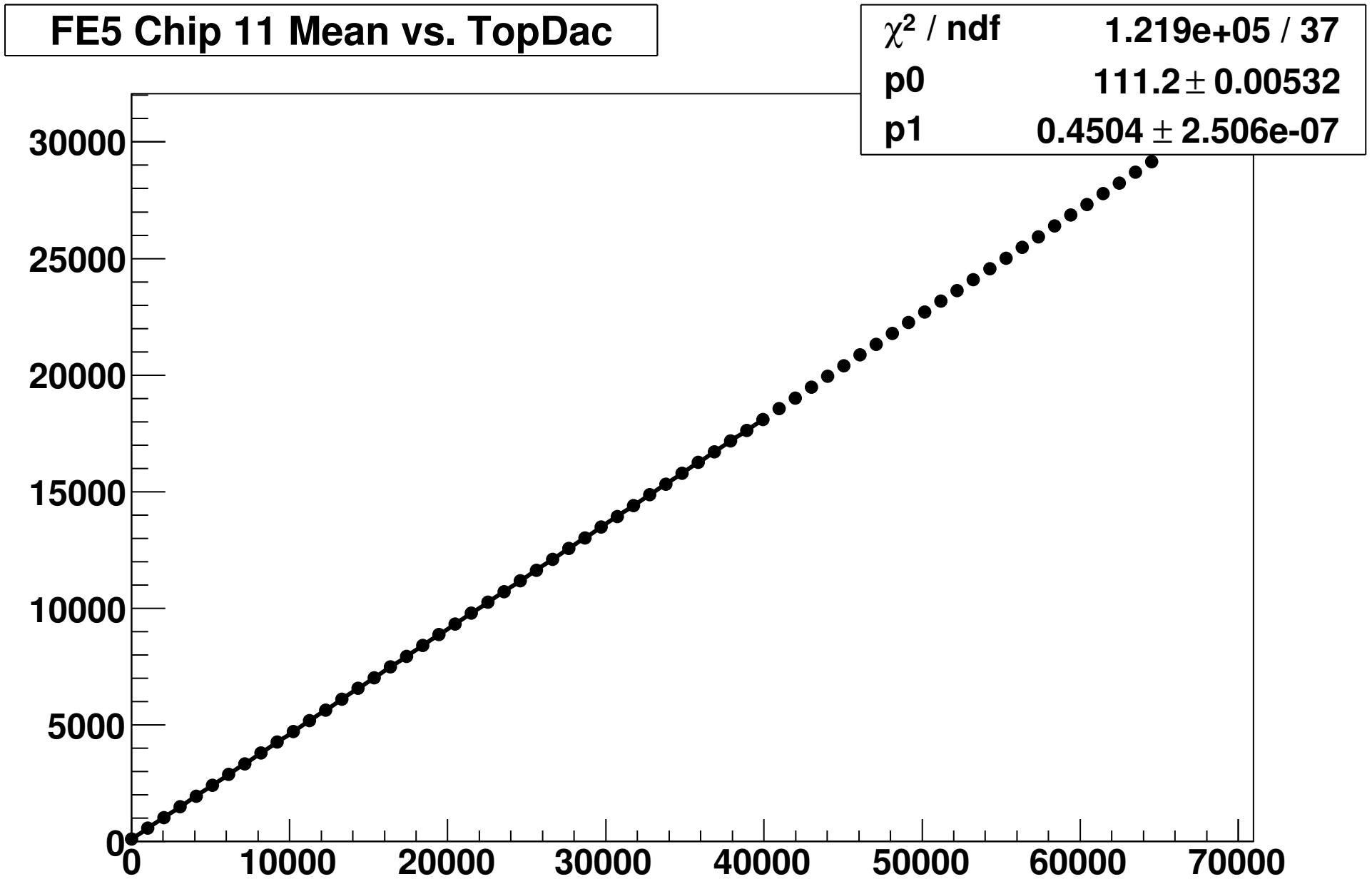

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 2315 / 37
p0 112.1± 0.005497
p1 -1.981e-06 ± 2.338e-07
112.3
112.2
112.1
112
111.9
111.8
111.7
111.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 44.66 / 37
p0 1.593 ± 0.0019
p1 2.174e-15 ± 4.422e-06
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.219e+05 / 37
p0 111.2 ± 0.00532
p1 0.4504 ± 2.506e-07
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15000
10000
5000
0
0
10000
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30000
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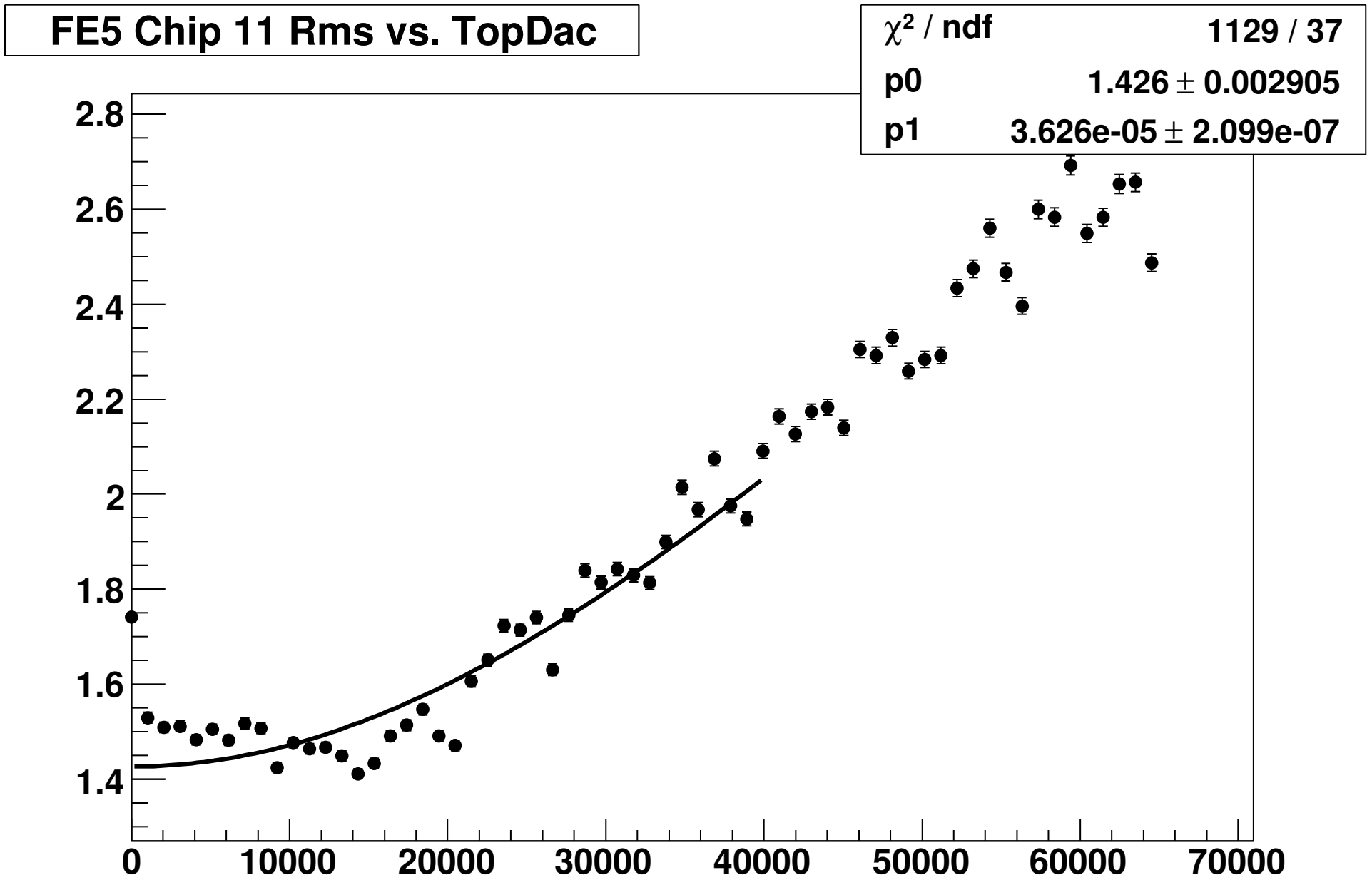
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1129 / 37
p0 1.426 ± 0.002905
p1 3.626e-05 ± 2.099e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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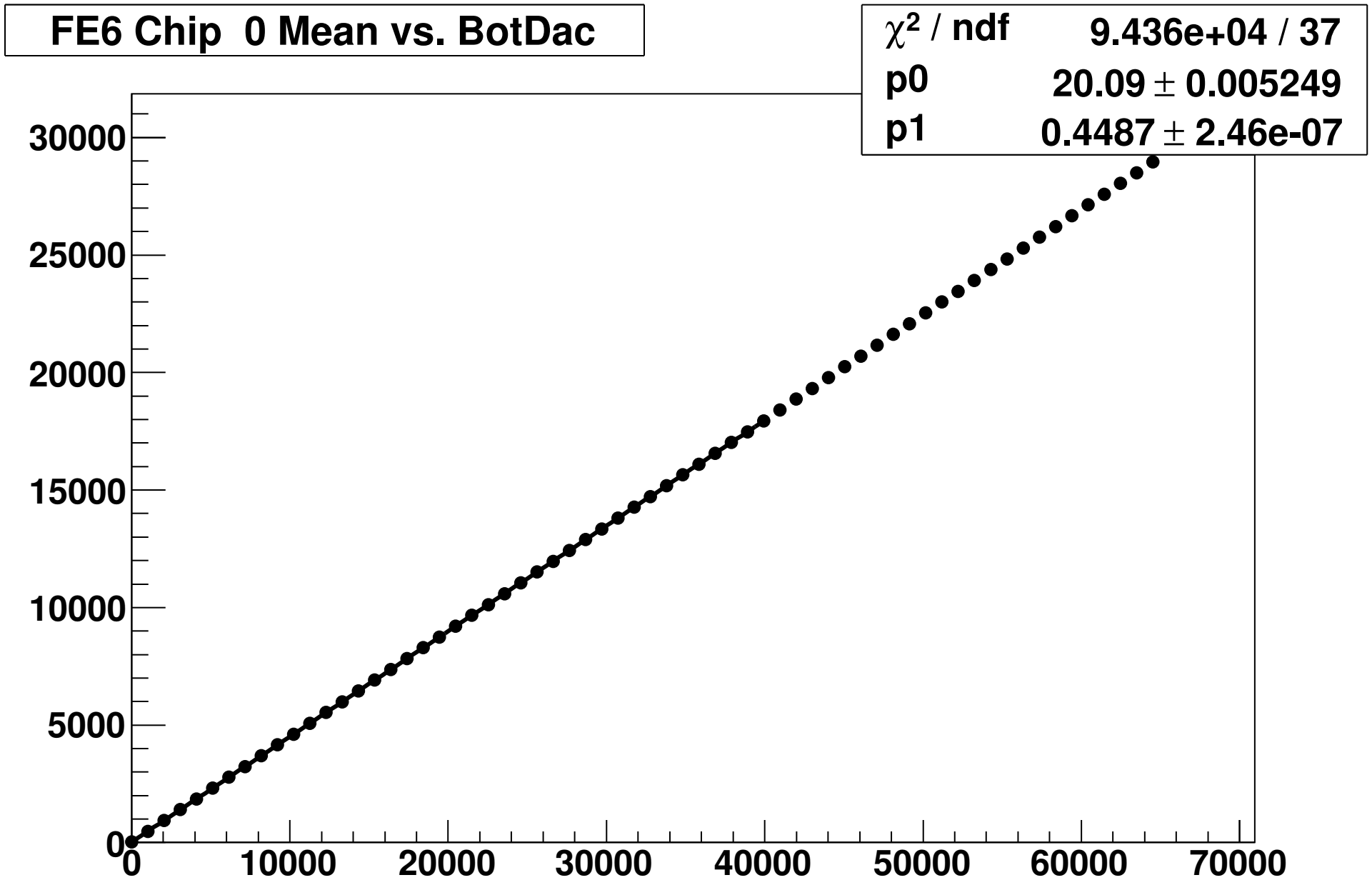
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 9.436e+04 / 37
p0 20.09 ± 0.005249
p1 0.4487 ± 2.46e-07
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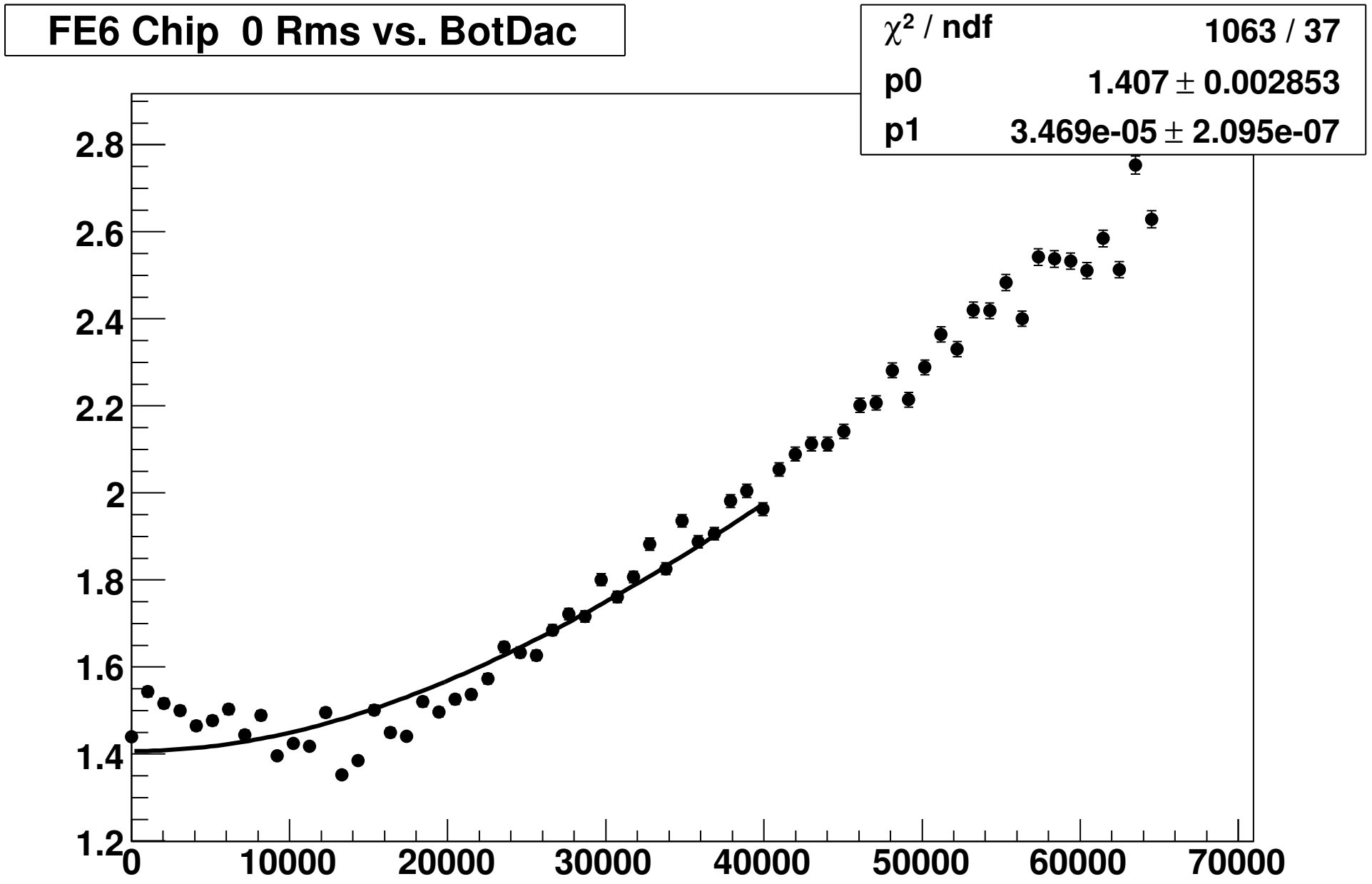
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1063 / 37
p0 1.407 ± 0.002853
p1 3.469e-05 ± 2.095e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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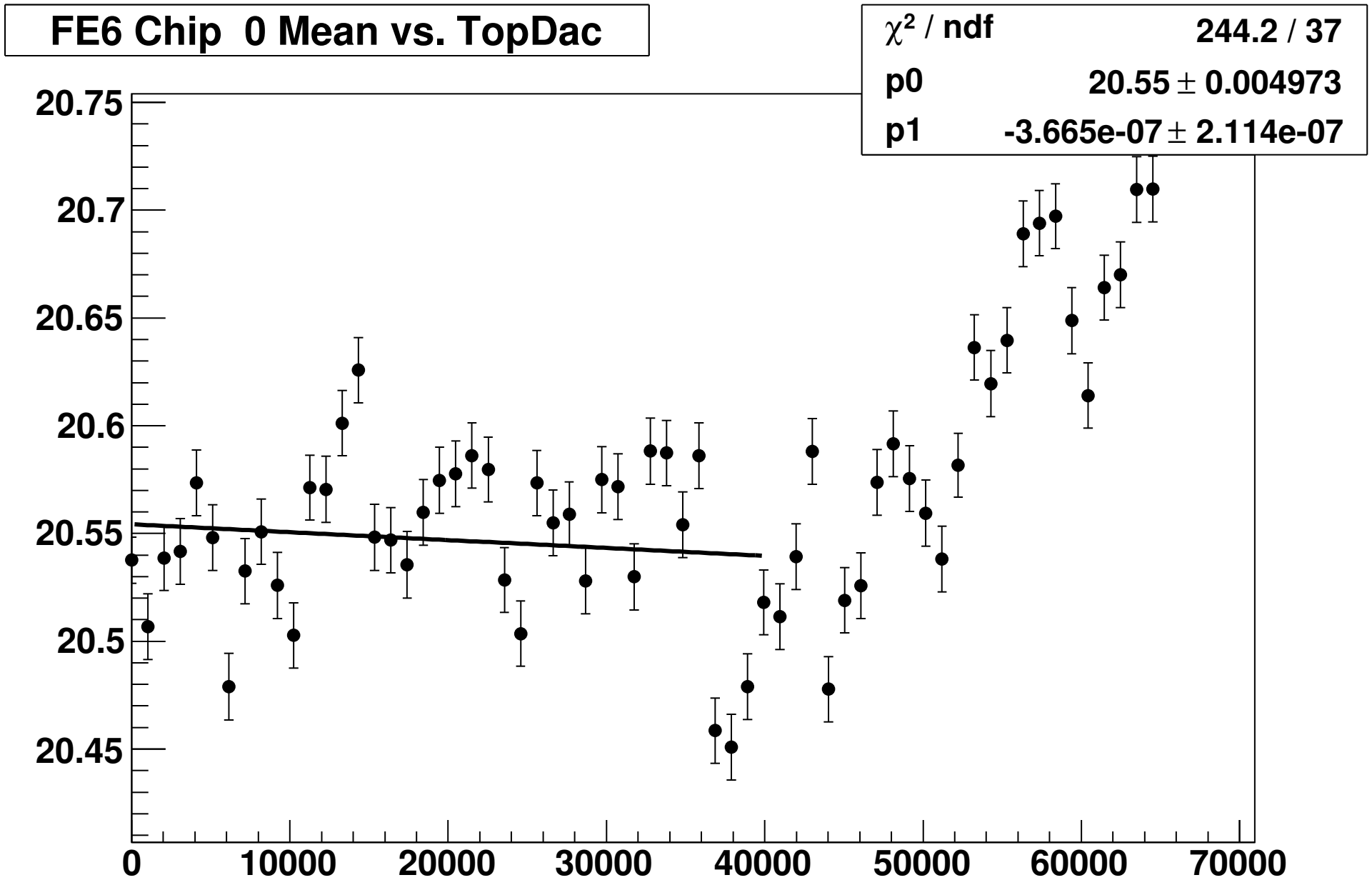
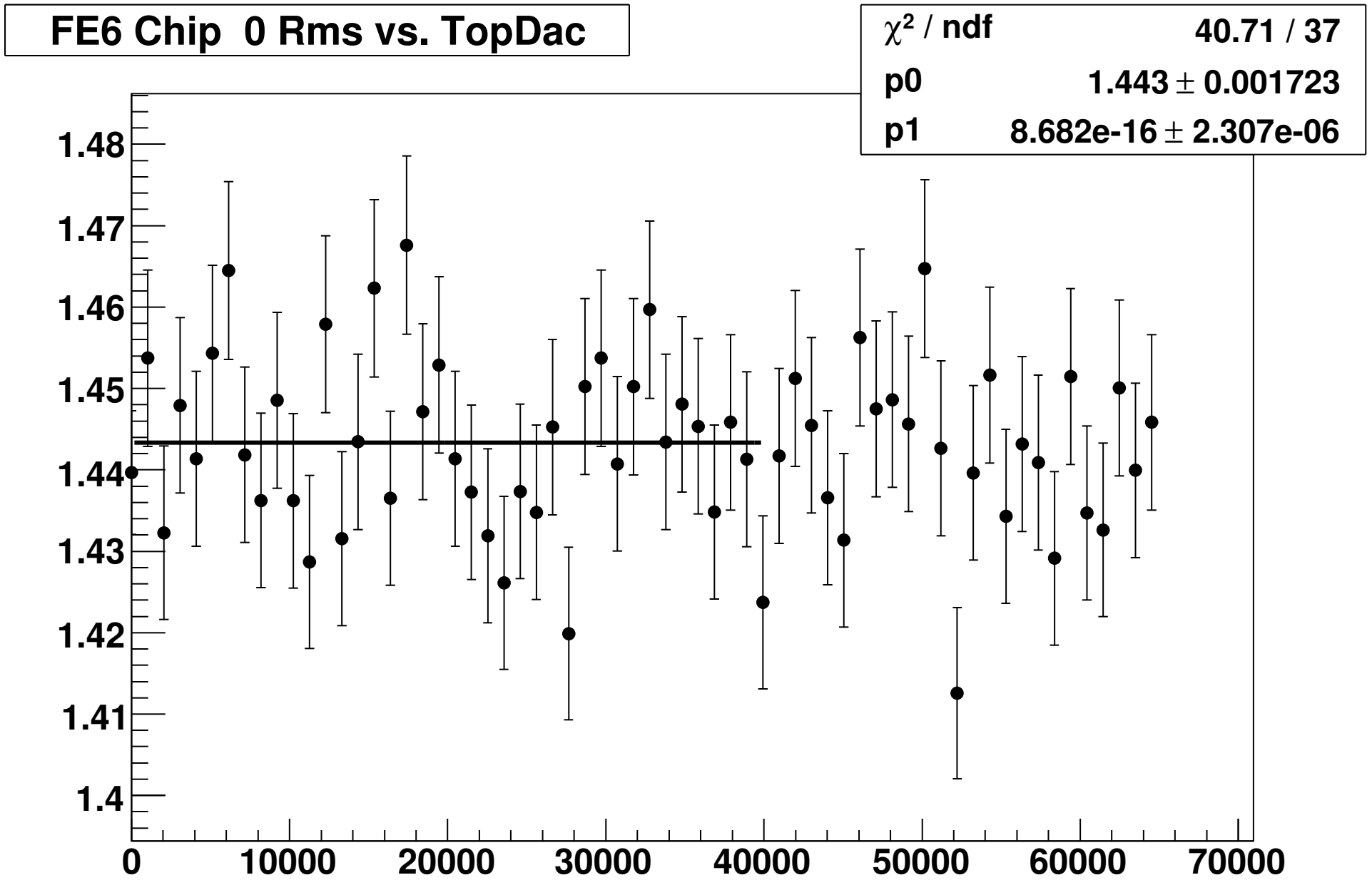
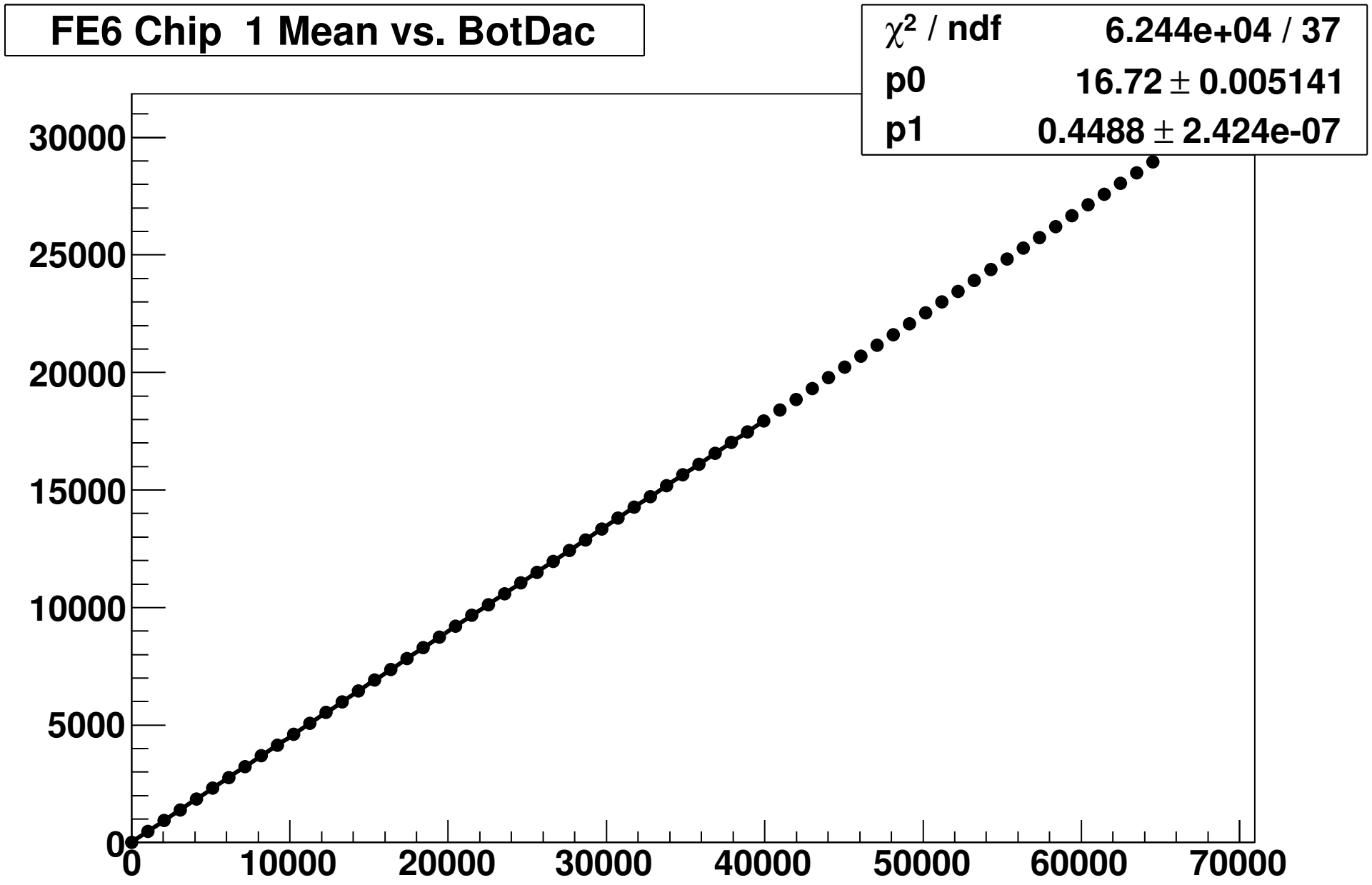
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 244.2 / 37
p0 20.55 ± 0.004973
p1 -3.665e-07 ± 2.114e-07
20.75
20.7
20.65
20.6
20.55
20.5
20.45
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 40.71 / 37
p0 1.443 ± 0.001723
p1 8.682e-16 ± 2.307e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 6.244e+04 / 37
p0 16.72 ± 0.005141
p1 0.4488 ± 2.424e-07
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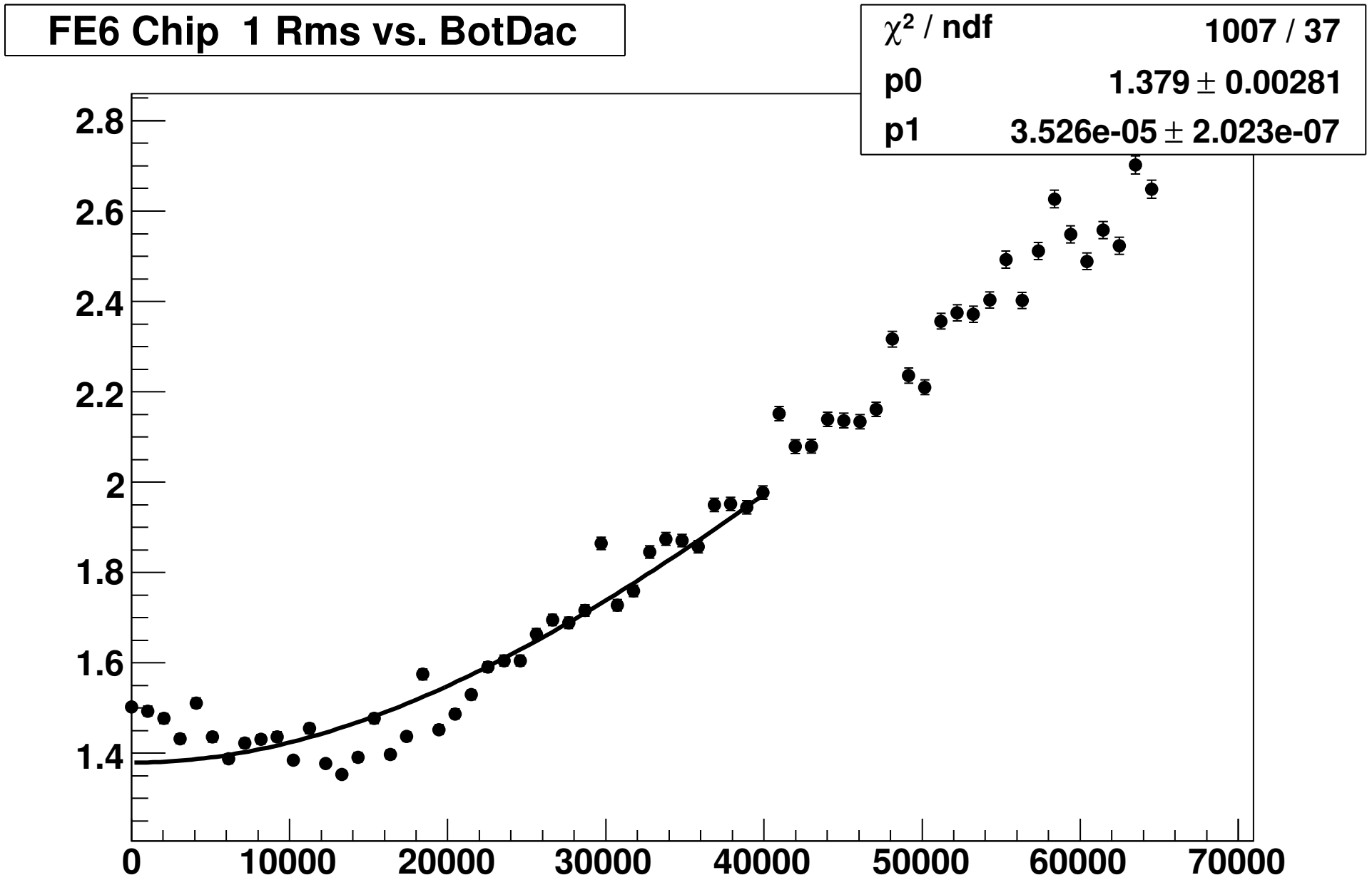
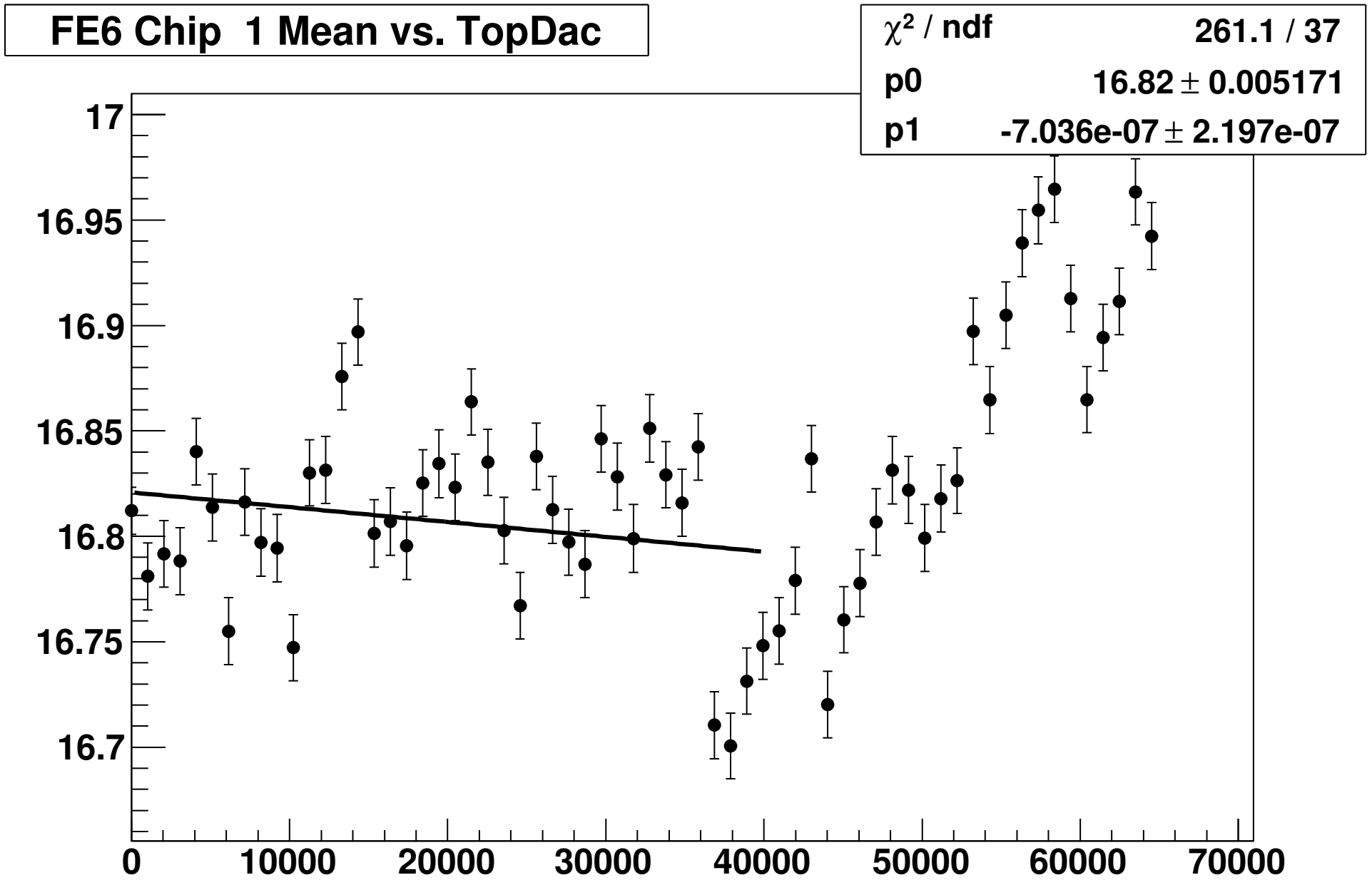
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1007 / 37
p0 1.379 ± 0.00281
p1 3.526e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 261.1 / 37
p0 16.82 ± 0.005171
p1 -7.036e-07 ± 2.197e-07
17
16.95
16.9
16.85
16.8
16.75
16.7
0
10000
20000
30000
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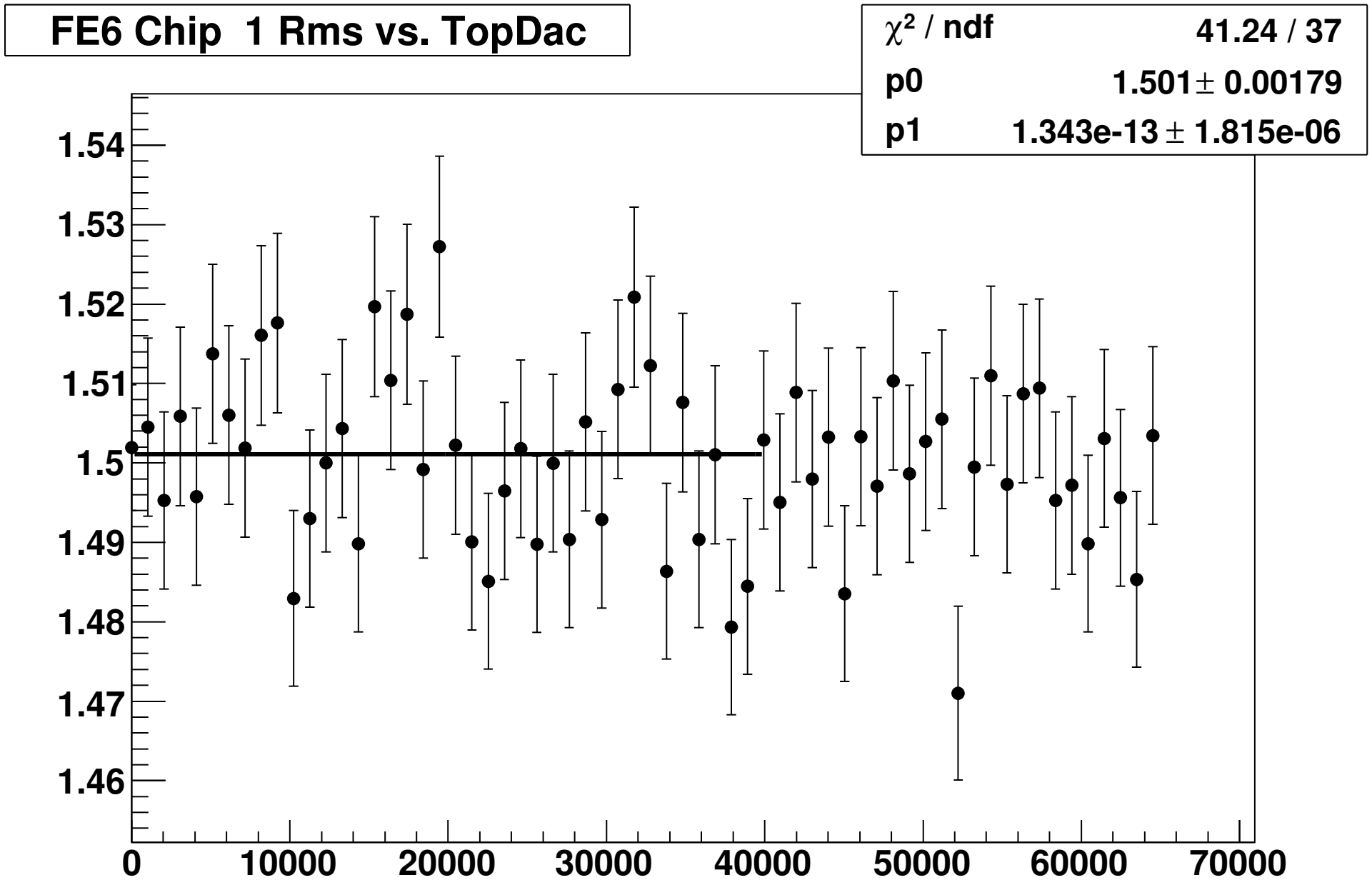
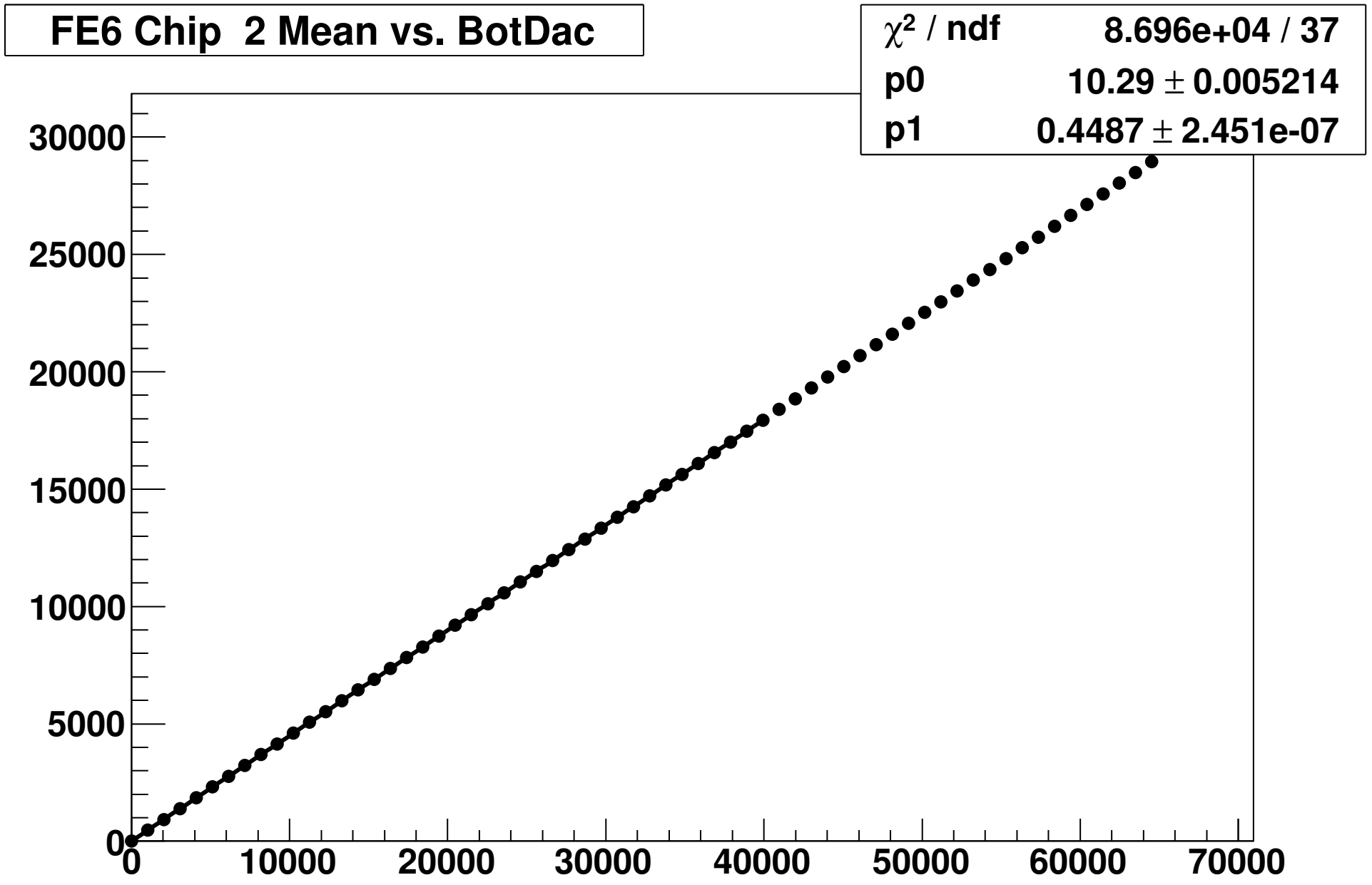
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 41.24 / 37
p0 1.501 ± 0.00179
p1 1.343e-13 ± 1.815e-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


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 8.696e+04 / 37
p0 10.29 ± 0.005214
p1 0.4487 ± 2.451e-07
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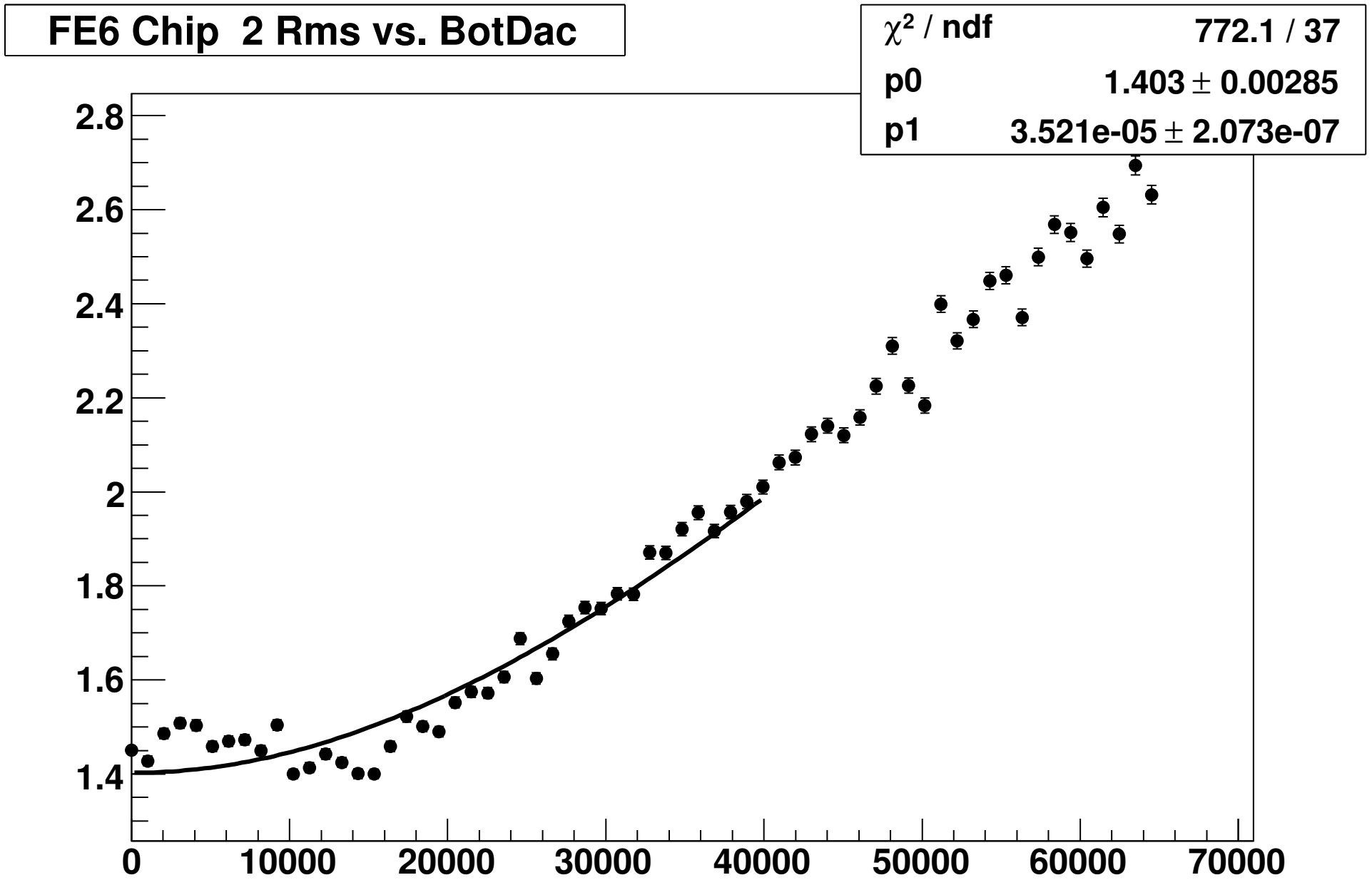
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 772.1 / 37
p0 1.403 ± 0.00285
p1 3.521e-05 ± 2.073e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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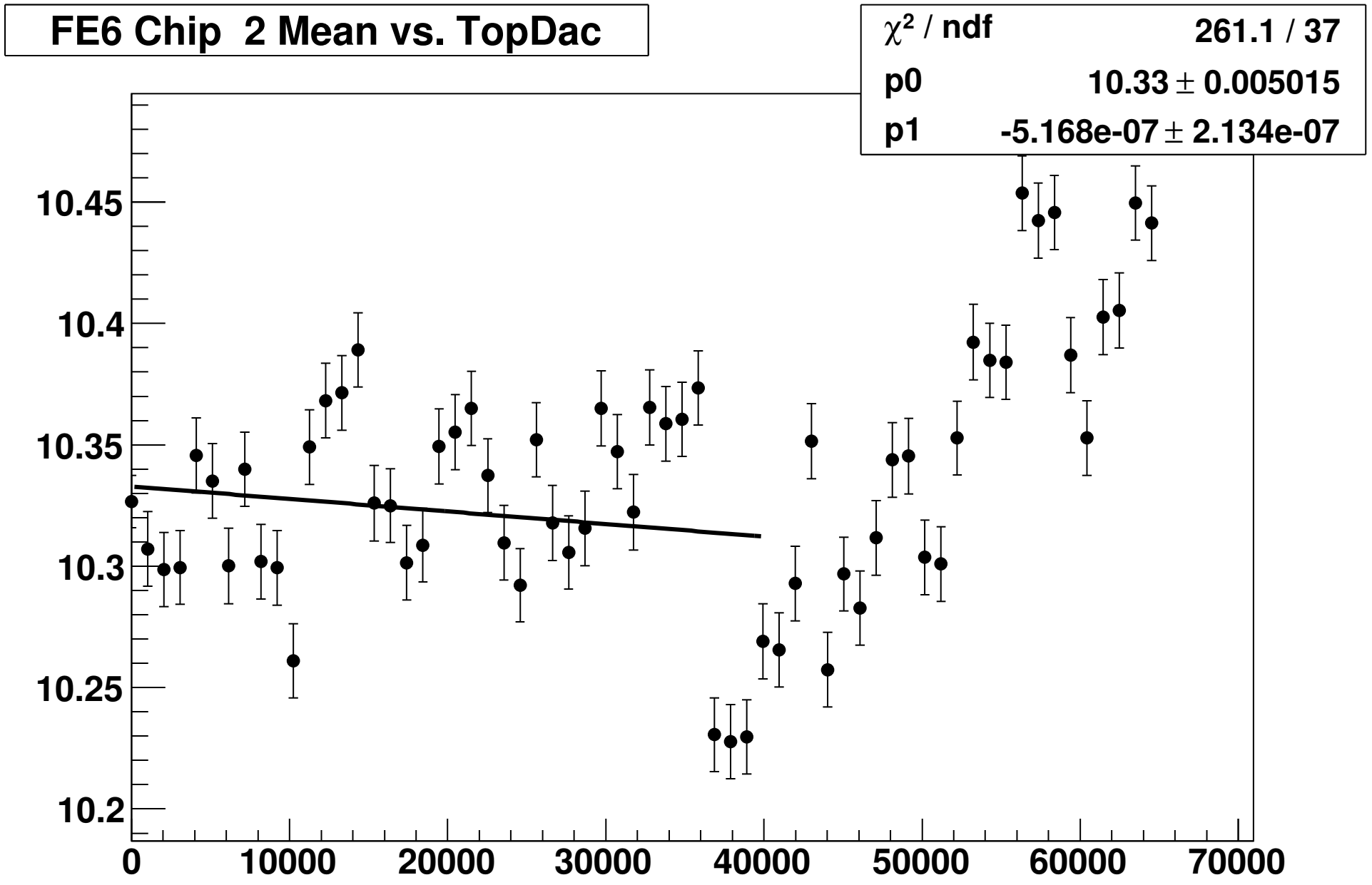
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 261.1 / 37
p0 10.33 ± 0.005015
p1 -5.168e-07 ± 2.134e-07
10.45
10.4
10.35
10.3
10.25
10.2
0
10000
20000
30000
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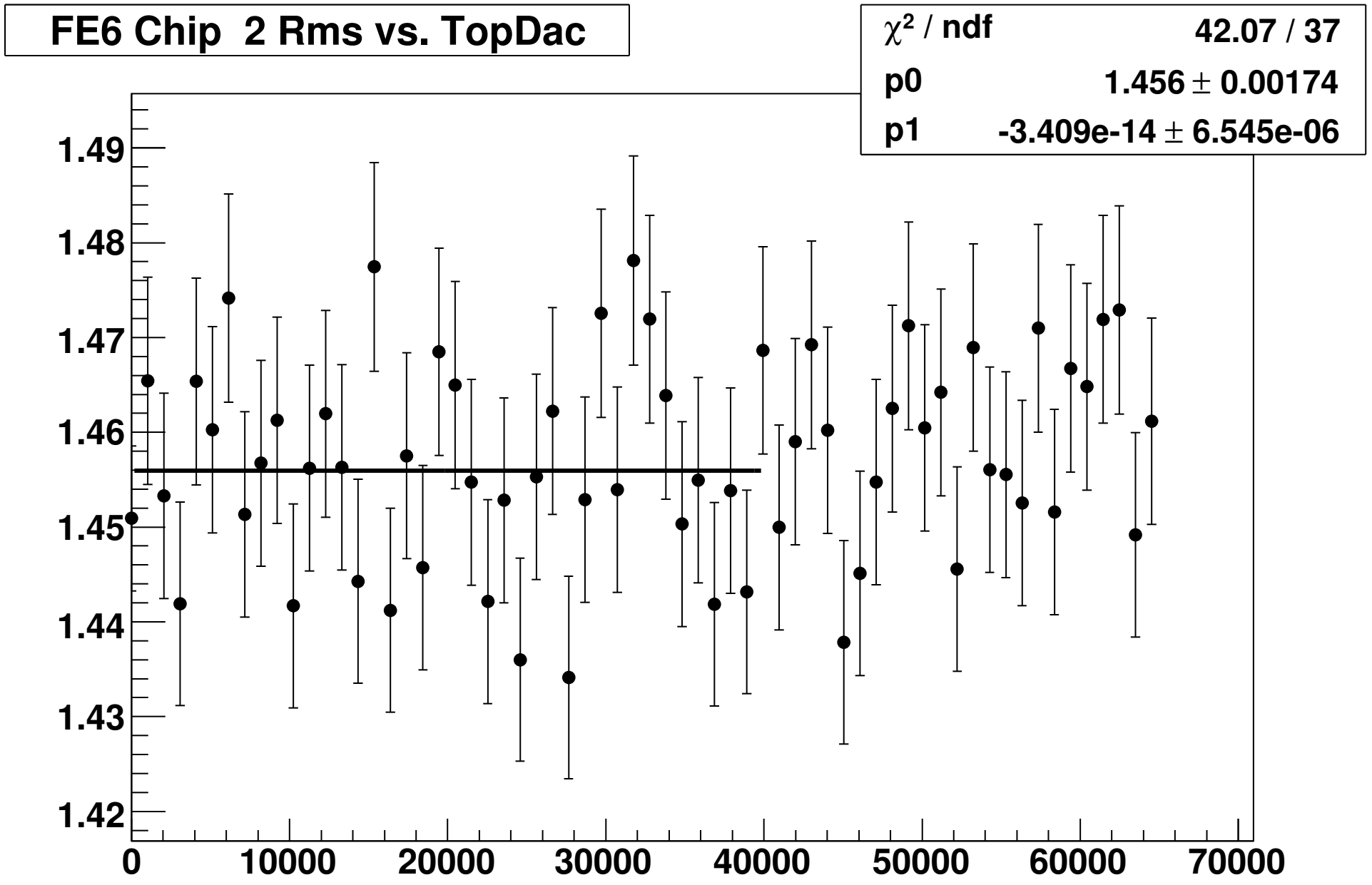
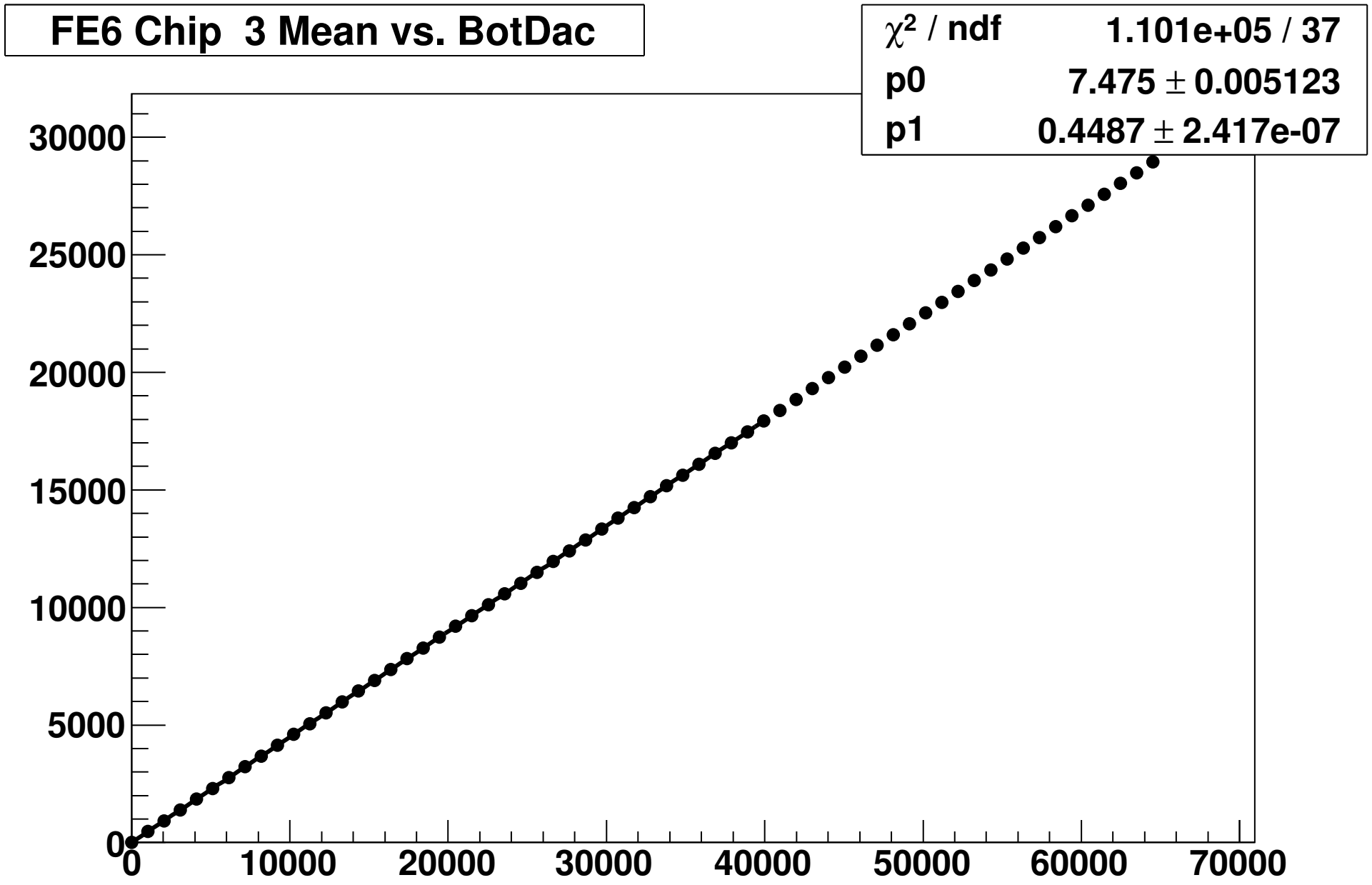
50000
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 42.07 / 37
p0 1.456 ± 0.00174
p1 -3.409e-14 ± 6.545e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.101e+05 / 37
p0 7.475 ± 0.005123
p1 0.4487 ± 2.417e-07
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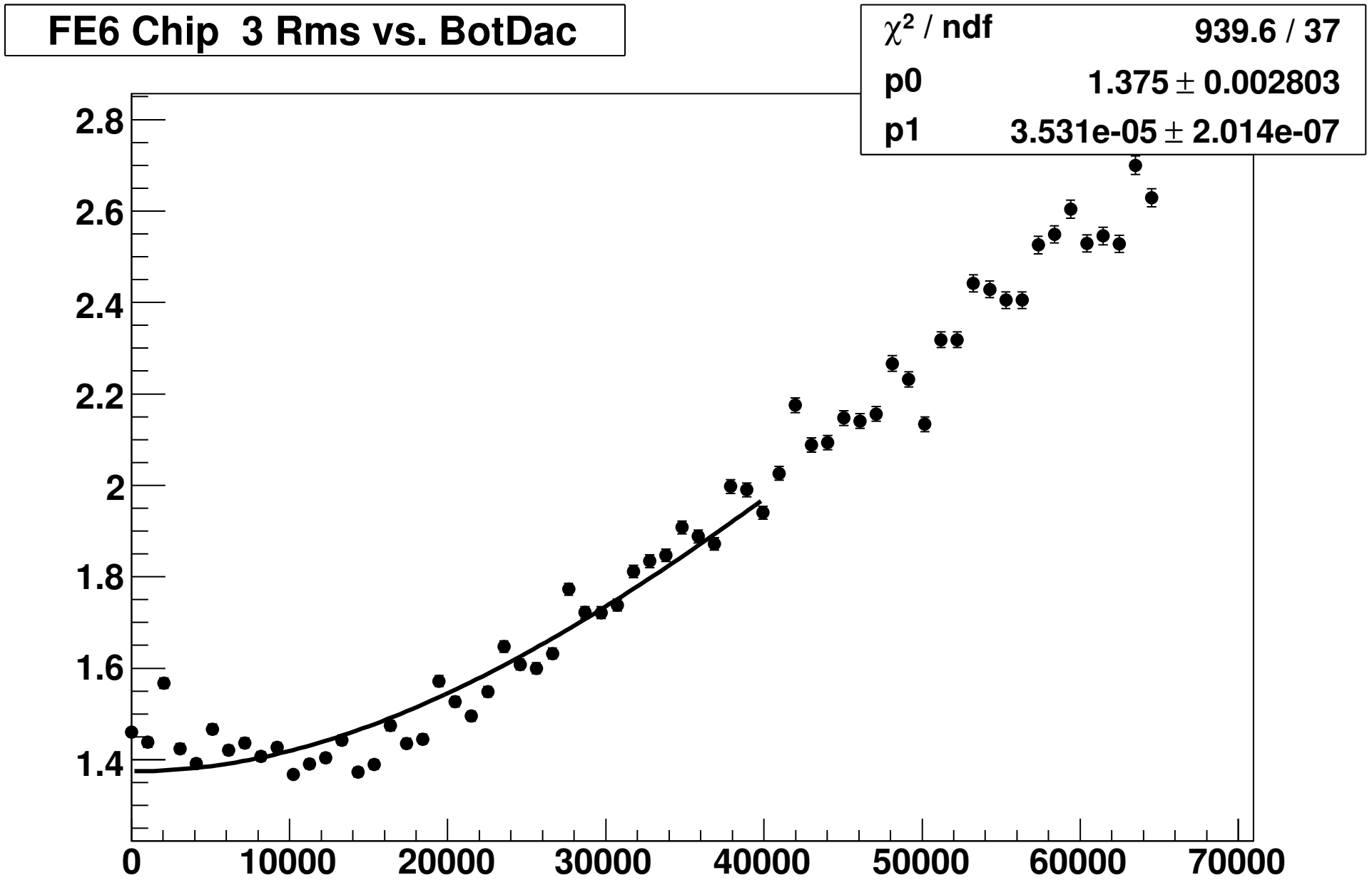
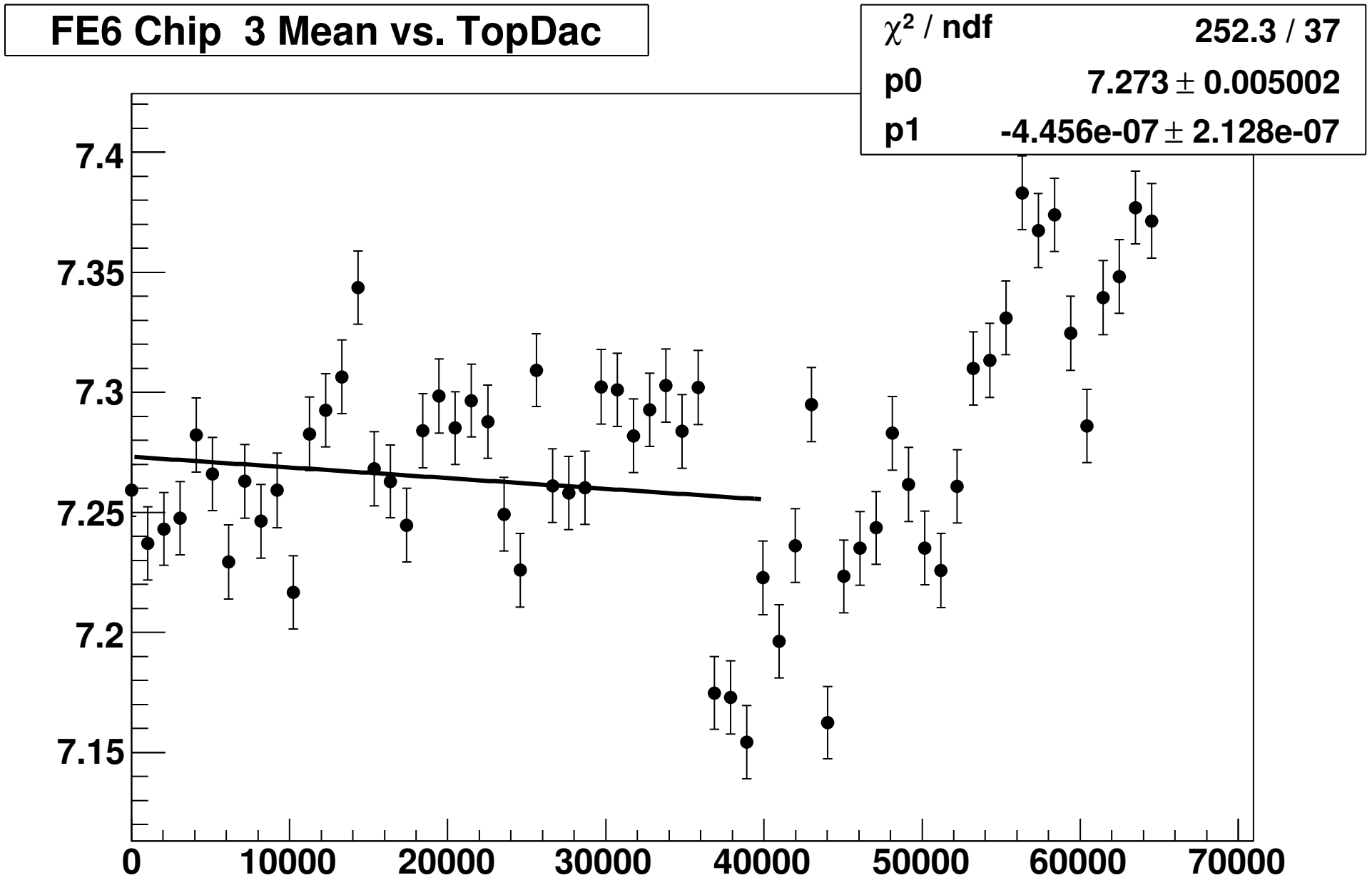
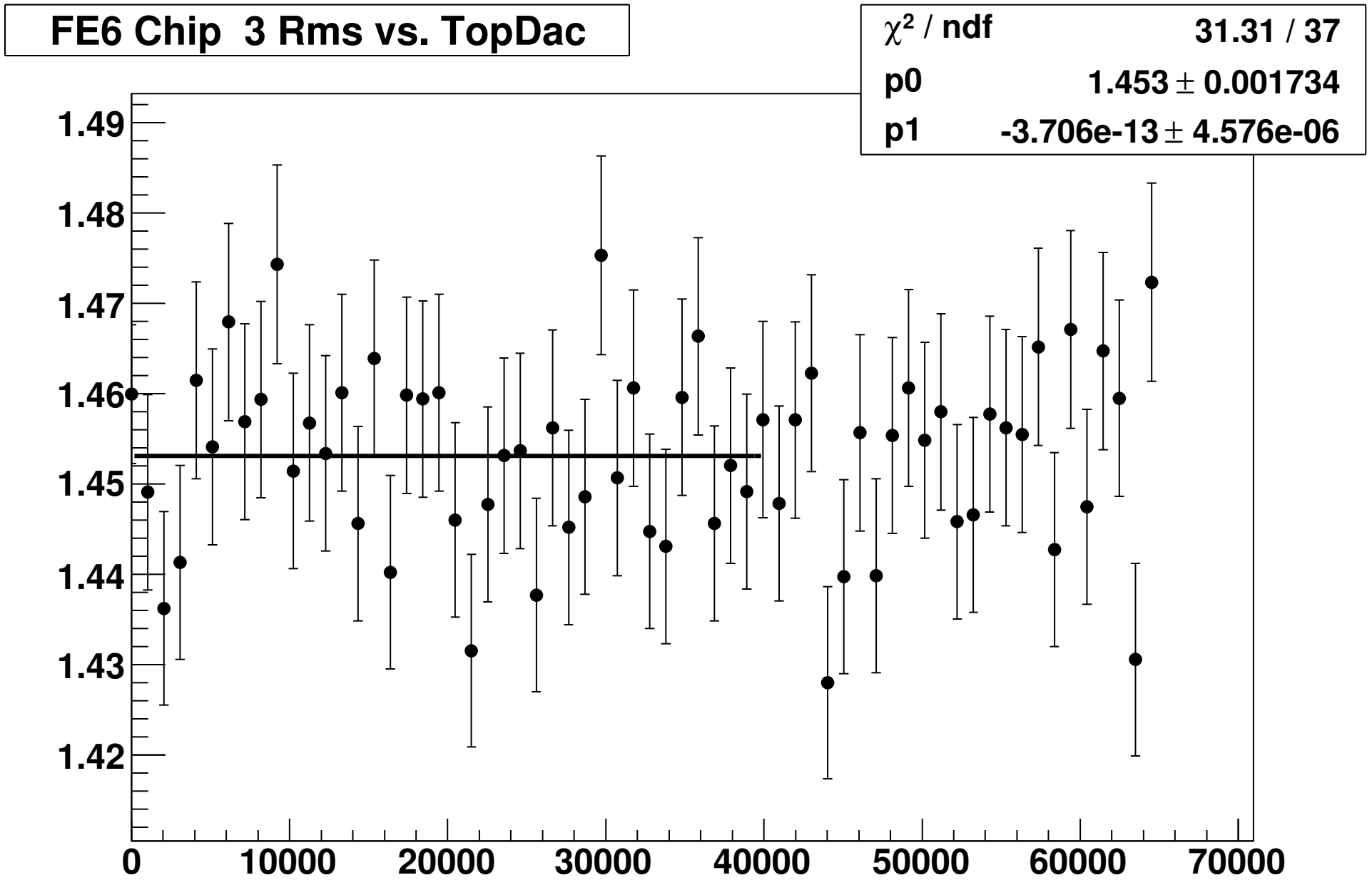
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 939.6 / 37
p0 1.375 ± 0.002803
p1 3.531e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 252.3 / 37
p0 7.273 ± 0.005002
p1 -4.456e-07 ± 2.128e-07
7.4
7.35
7.3
7.25
7.2
7.15
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 31.31 / 37
p0 1.453 ± 0.001734
p1 -3.706e-13 ± 4.576e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
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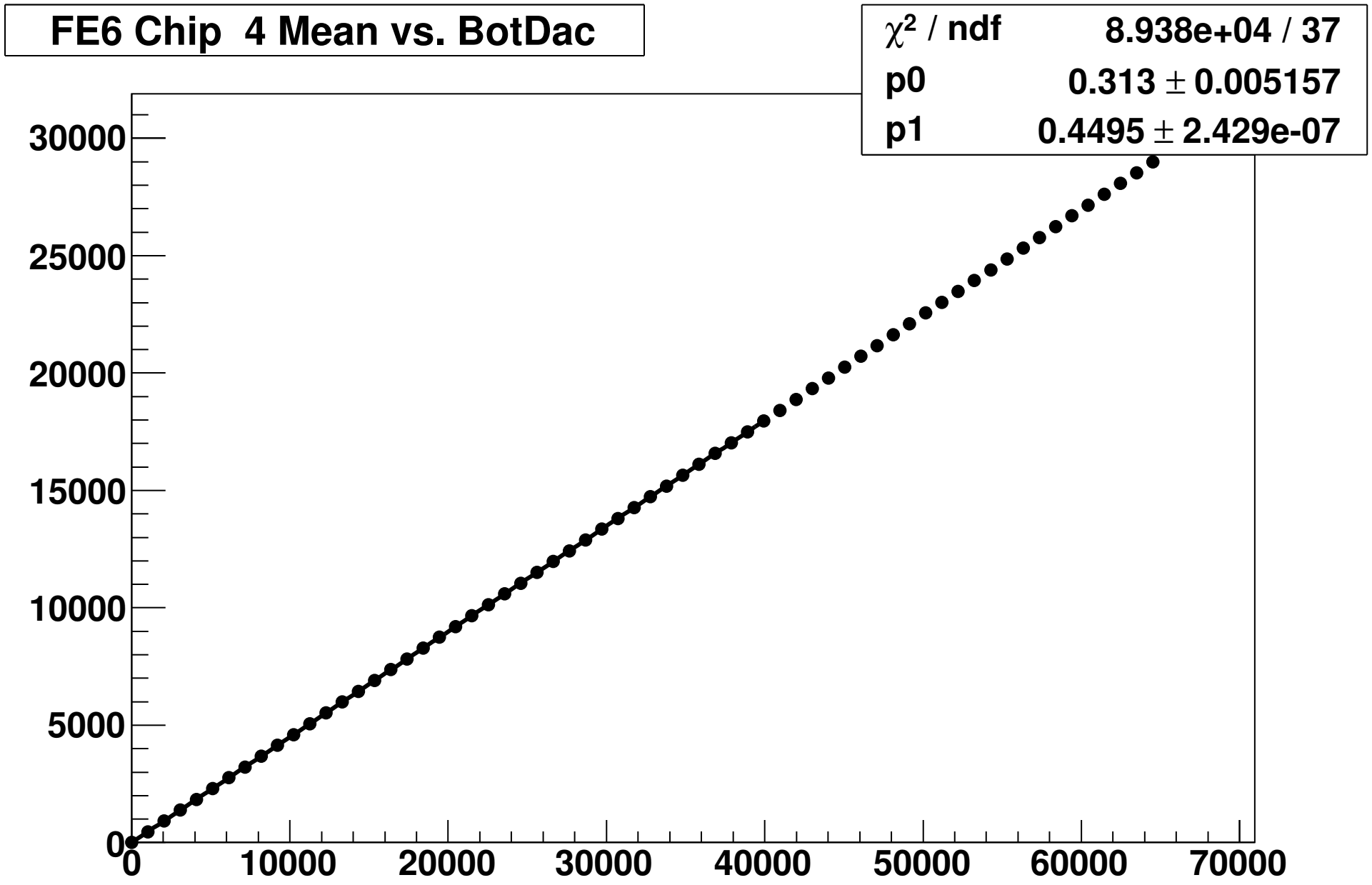
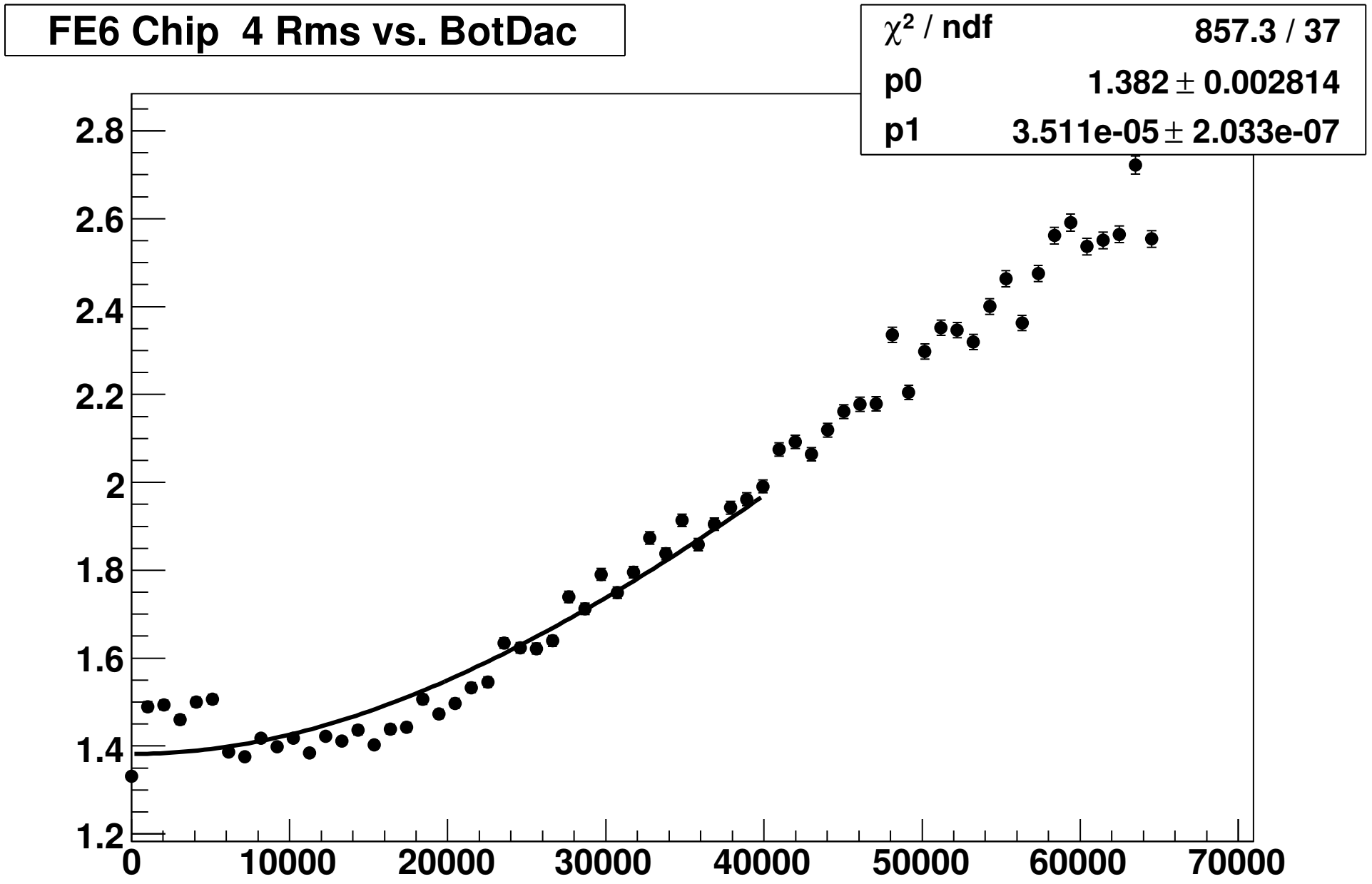
70000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 8.938e+04 / 37
p0 0.313 ± 0.005157
p1 0.4495 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 857.3 / 37
p0 1.382 ± 0.002814
p1 3.511e-05 ± 2.033e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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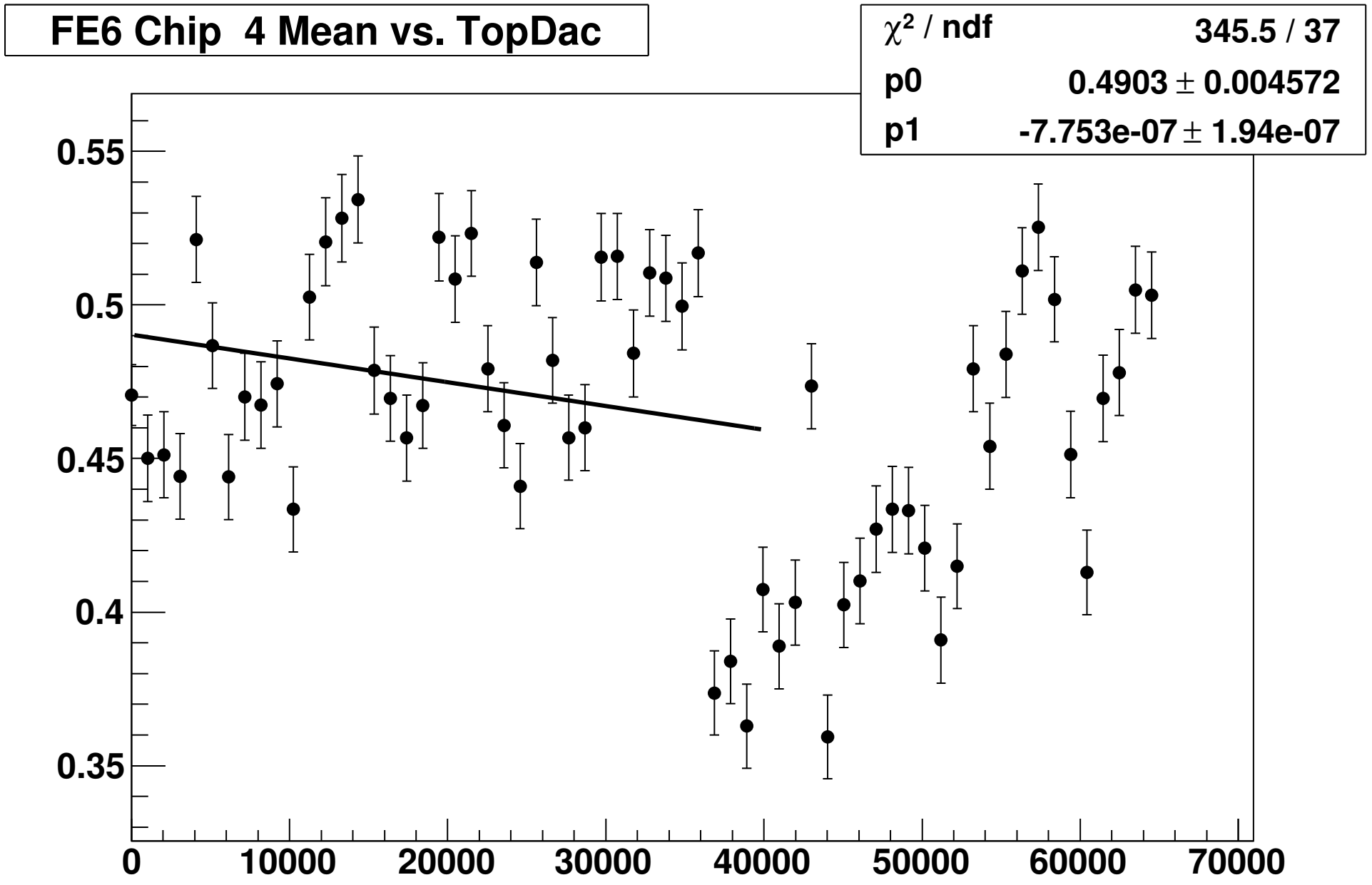
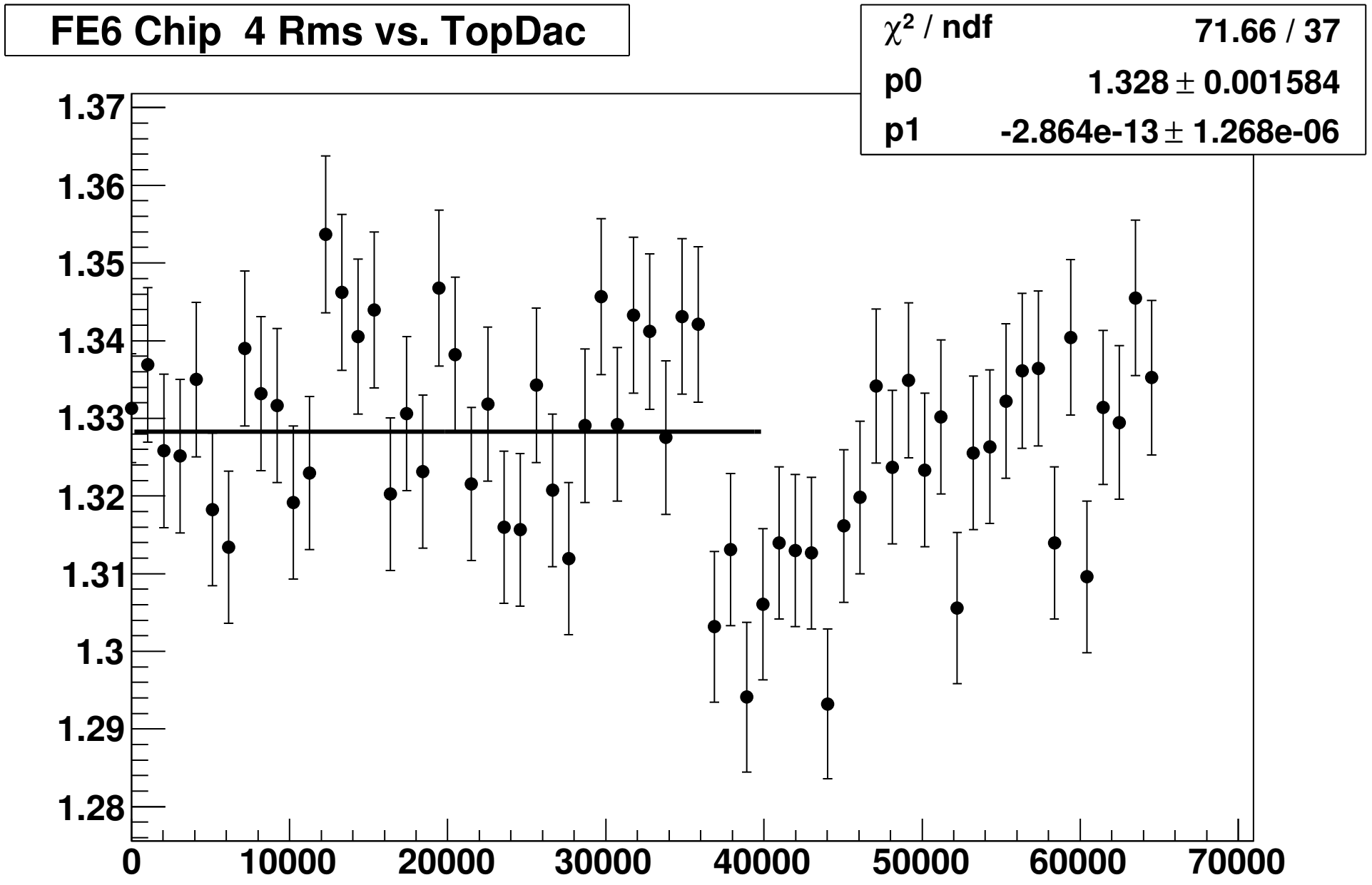
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 345.5 / 37
p0 0.4903 ± 0.004572
p1 -7.753e-07 ± 1.94e-07
0.55
0.5
0.45
0.4
0.35
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 71.66 / 37
p0 1.328 ± 0.001584
p1 -2.864e-13 ± 1.268e-06
1.37
1.36
1.35
1.34
1.33
1.32
1.31
1.3
1.29
1.28
0
10000
20000
30000
40000
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60000
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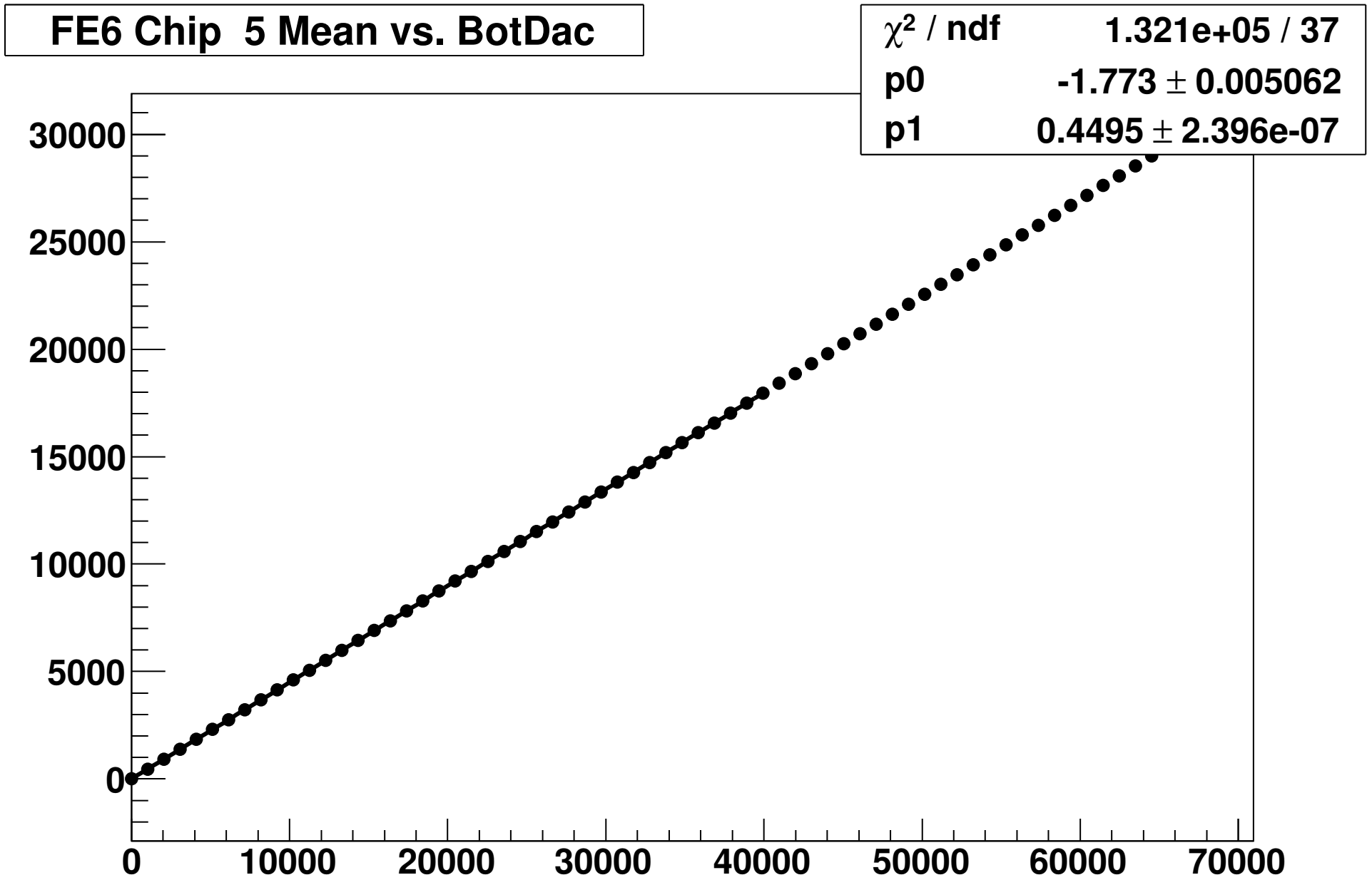
FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.321e+05 / 37
p0 -1.773 ± 0.005062
p1 0.4495 ± 2.396e-07
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20000
15000
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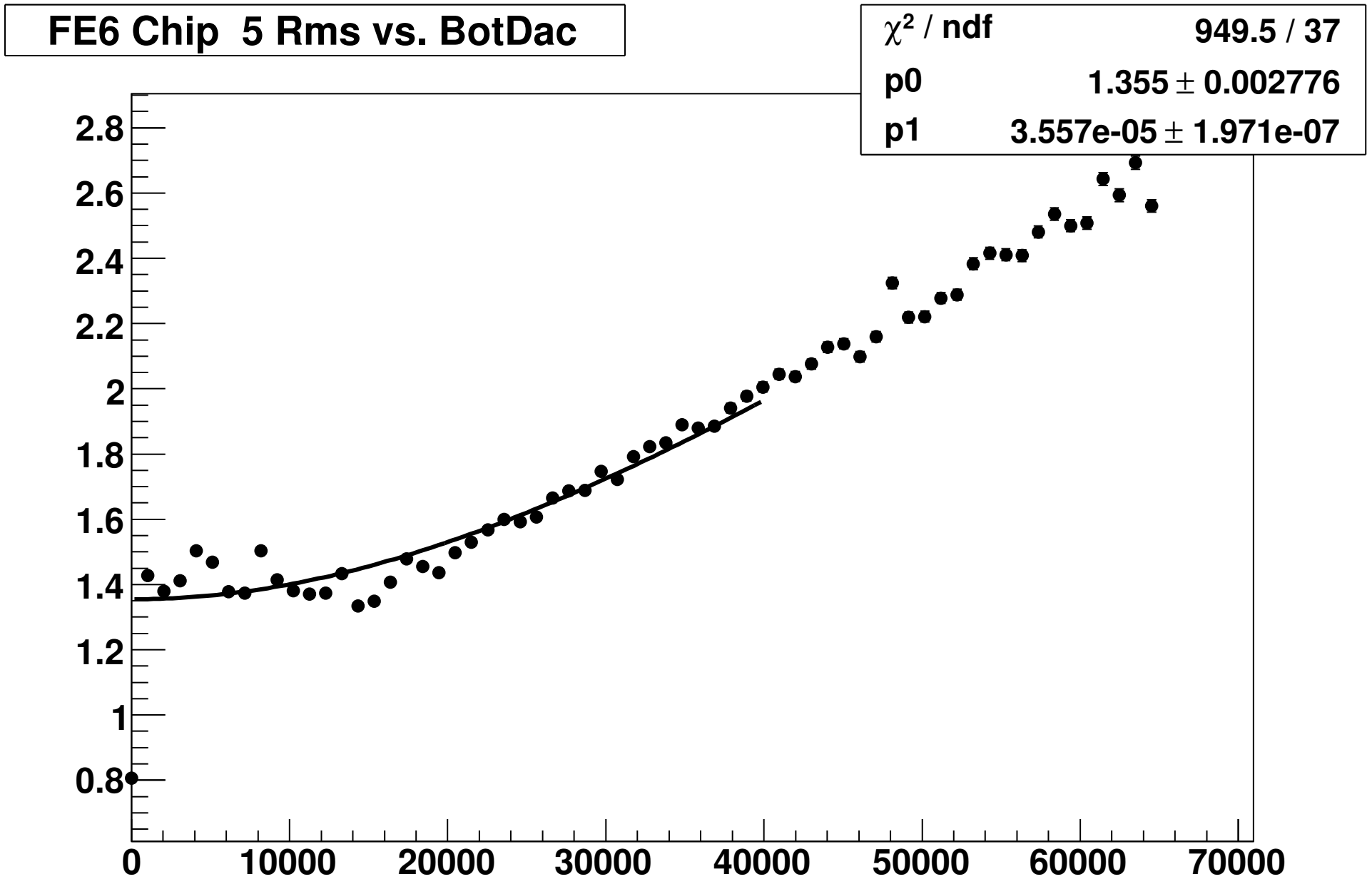
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 949.5 / 37
p0 1.355 ± 0.002776
p1 3.557e-05 ± 1.971e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
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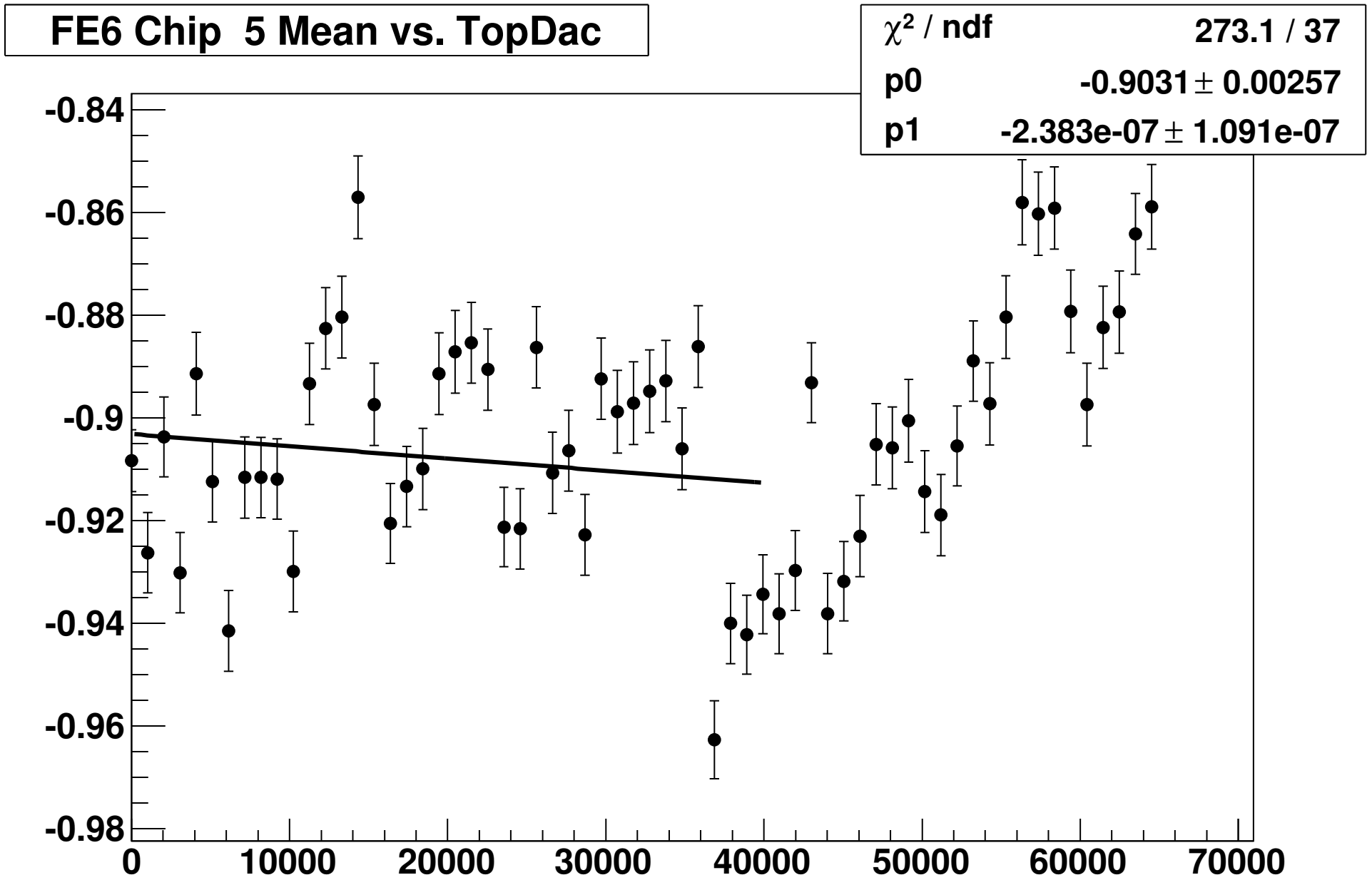
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 273.1 / 37
p0 -0.9031 ± 0.00257
p1 -2.383e-07 ± 1.091e-07
-0.84
-0.86
-0.88
-0.9
-0.92
-0.94
-0.96
-0.98
0
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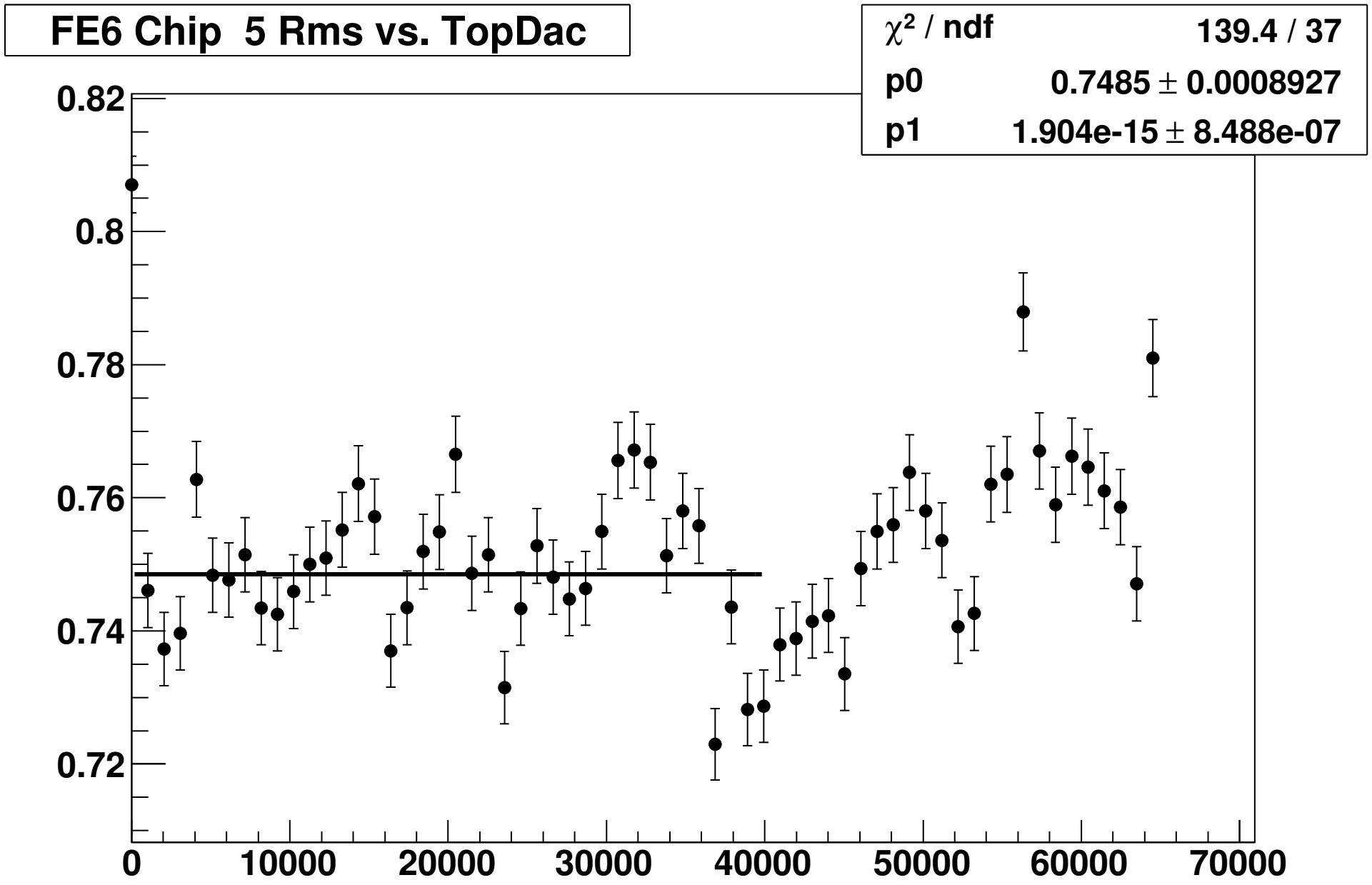
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 139.4 / 37
p0 0.7485 ± 0.0008927
p1 1.904e-15 ± 8.488e-07
0.82
0.8
0.78
0.76
0.74
0.72
0
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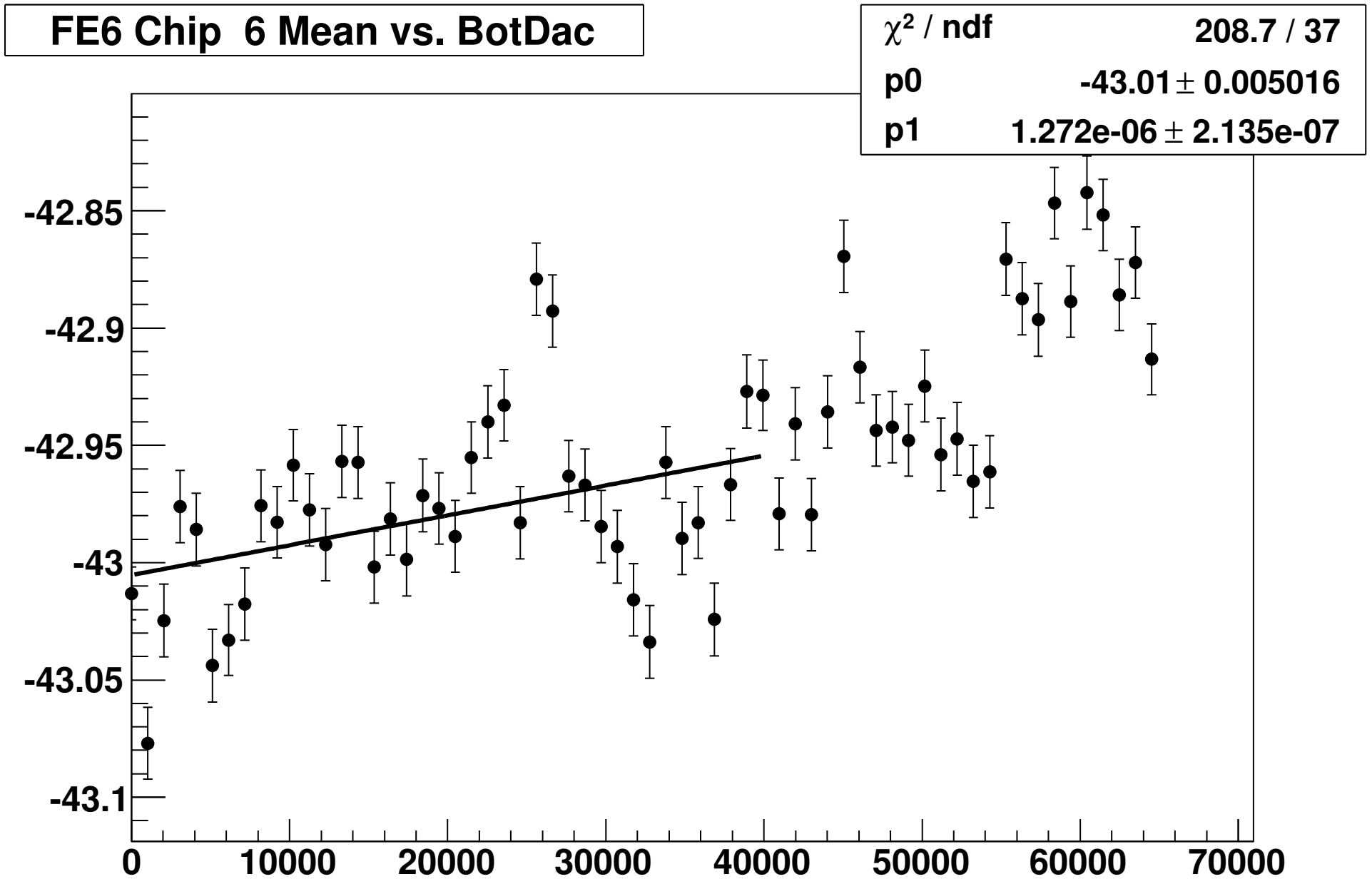
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 208.7 / 37
p0 -43.01 ± 0.005016
p1 1.272e-06 ± 2.135e-07
-42.85
-42.9
-42.95
-43
-43.05
-43.1
0
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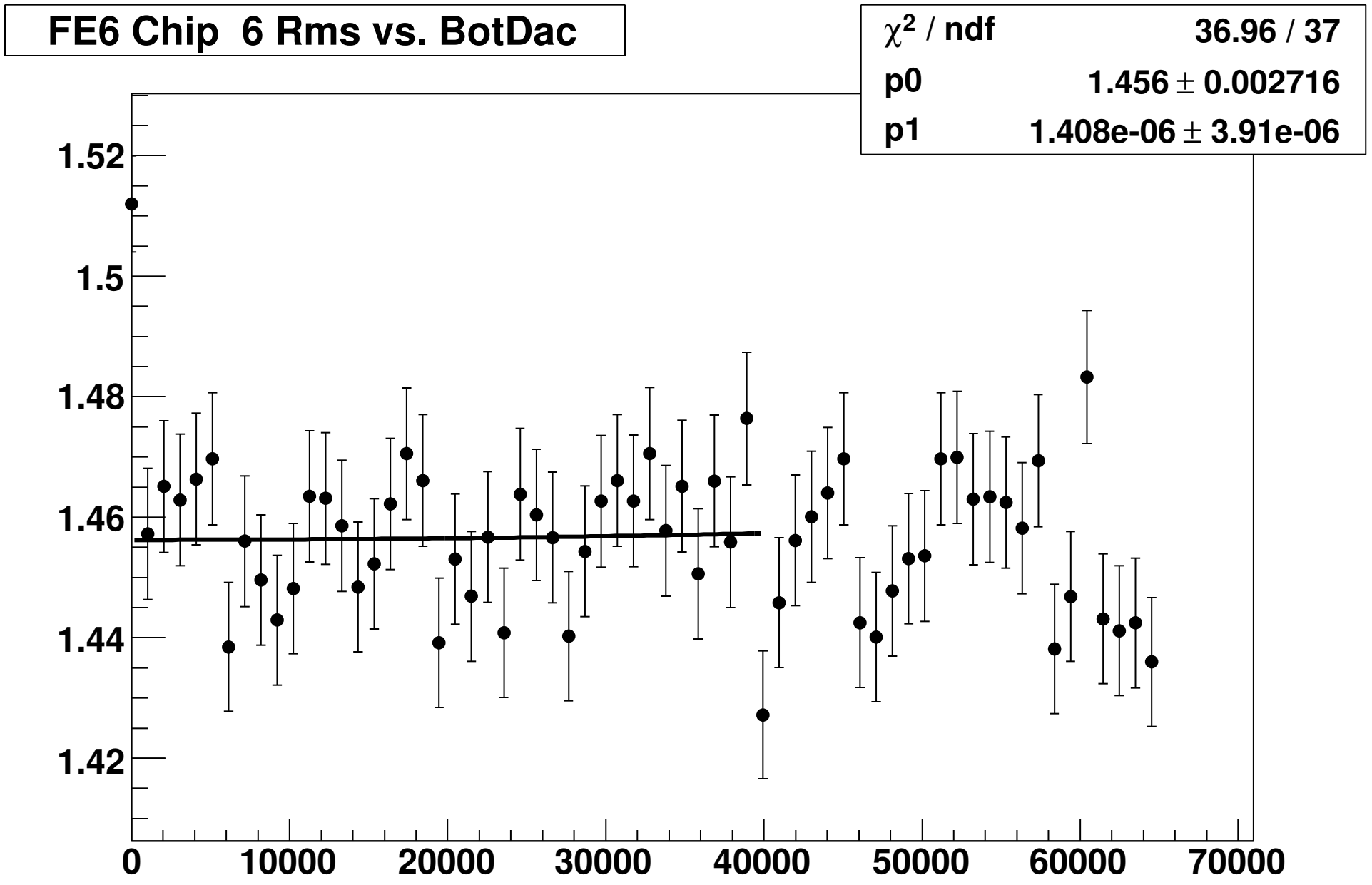
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 36.96 / 37
p0 1.456 ± 0.002716
p1 1.408e-06 ± 3.91e-06
1.52
1.5
1.48
1.46
1.44
1.42
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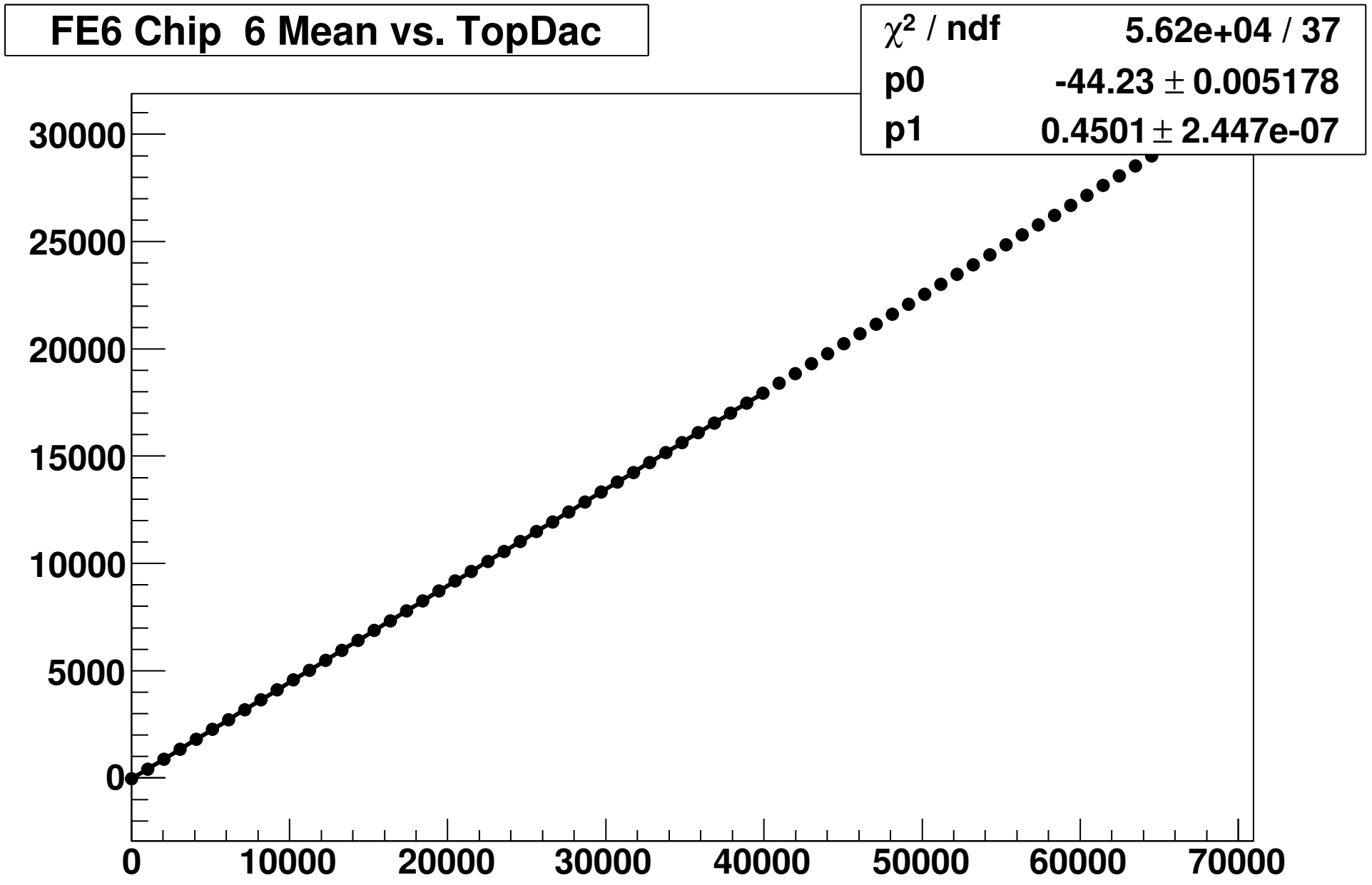
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 5.62e+04 / 37
p0 -44.23 ± 0.005178
p1 0.4501 ± 2.447e-07
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15000
10000
5000
0
0
10000
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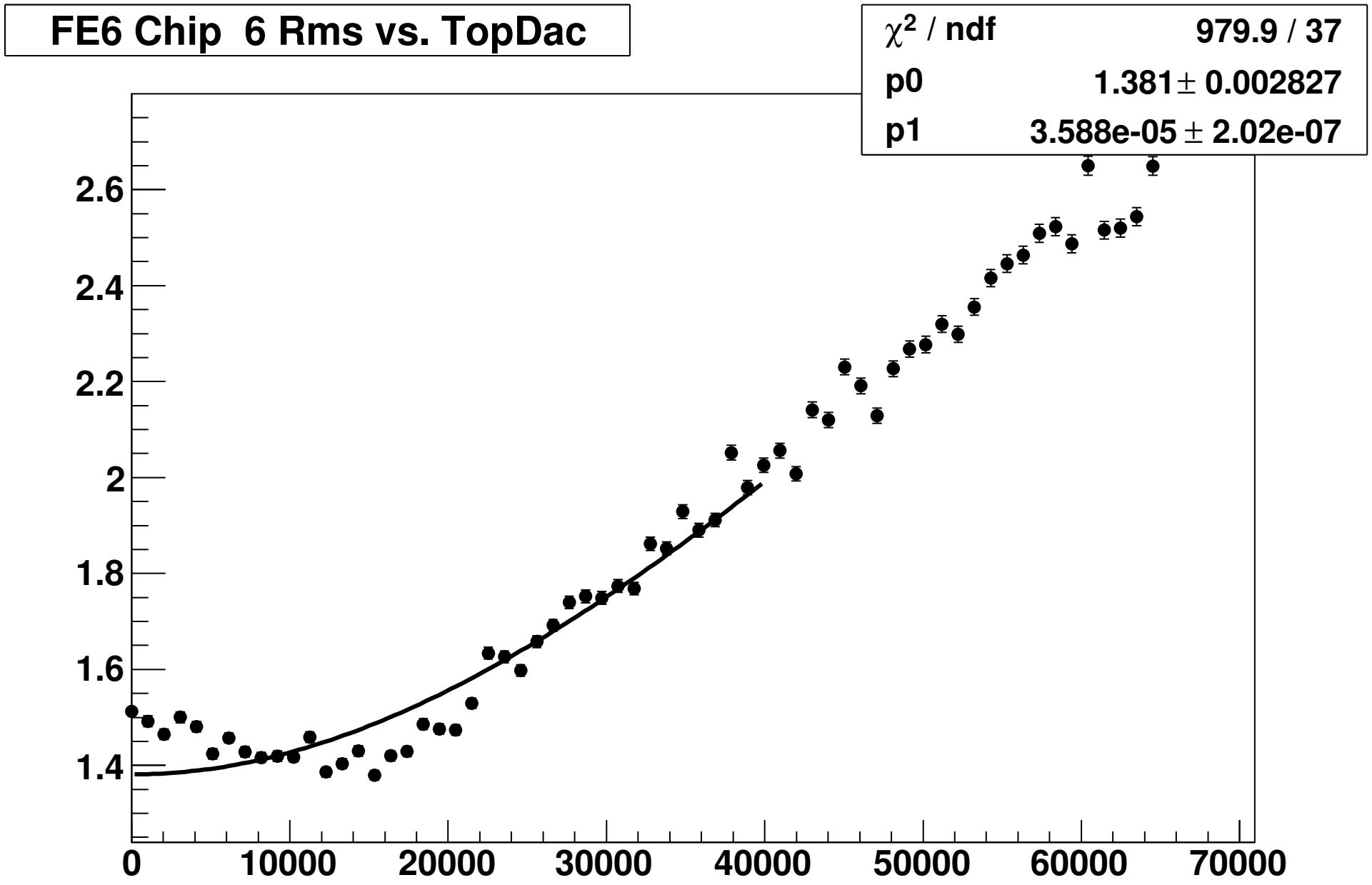
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 979.9 / 37
p0 1.381 ± 0.002827
p1 3.588e-05 ± 2.02e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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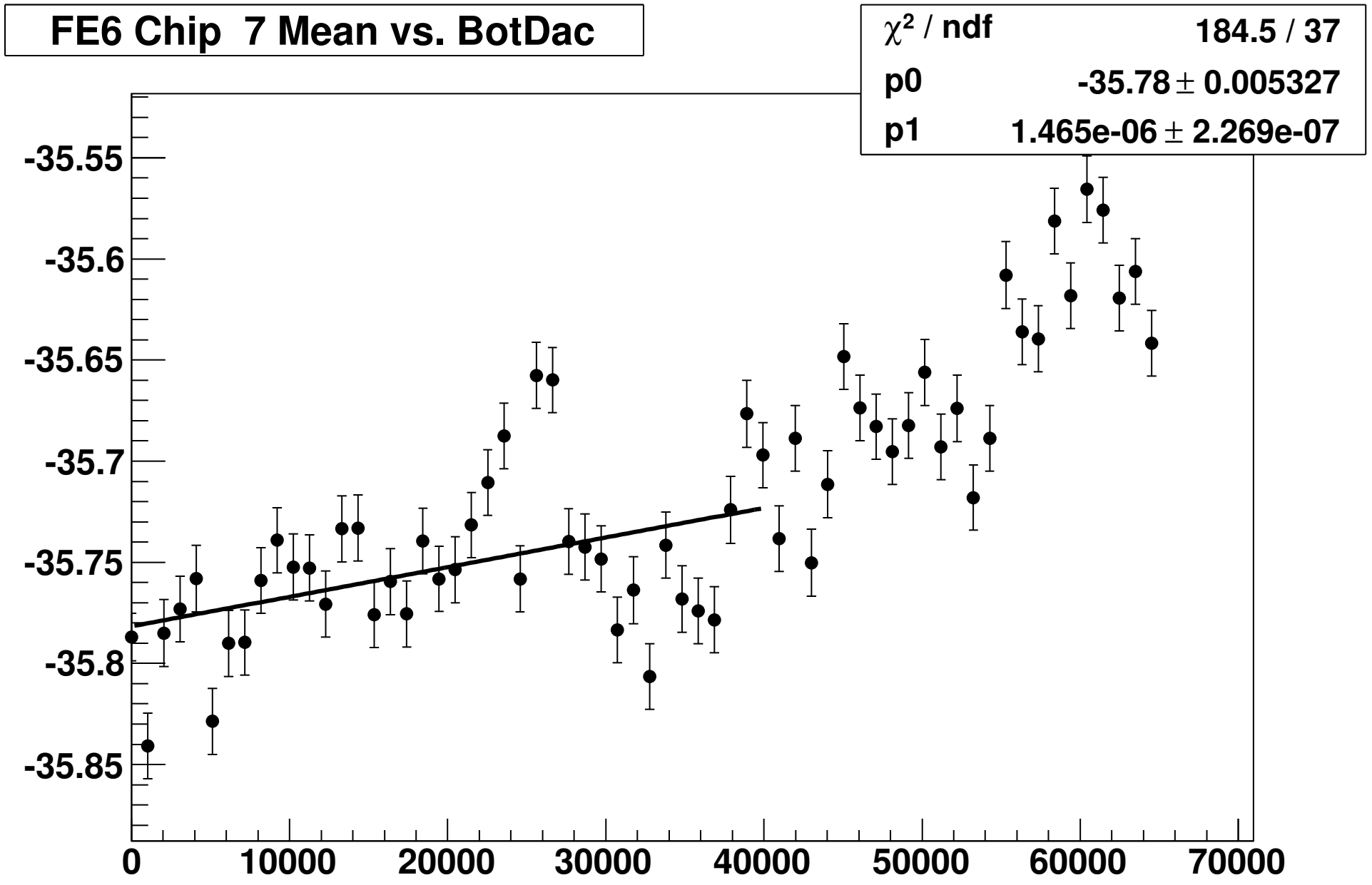
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 184.5 / 37
p0 -35.78 ± 0.005327
p1 1.465e-06 ± 2.269e-07
-35.55
-35.6
-35.65
-35.7
-35.75
-35.8
-35.85
0
10000
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30000
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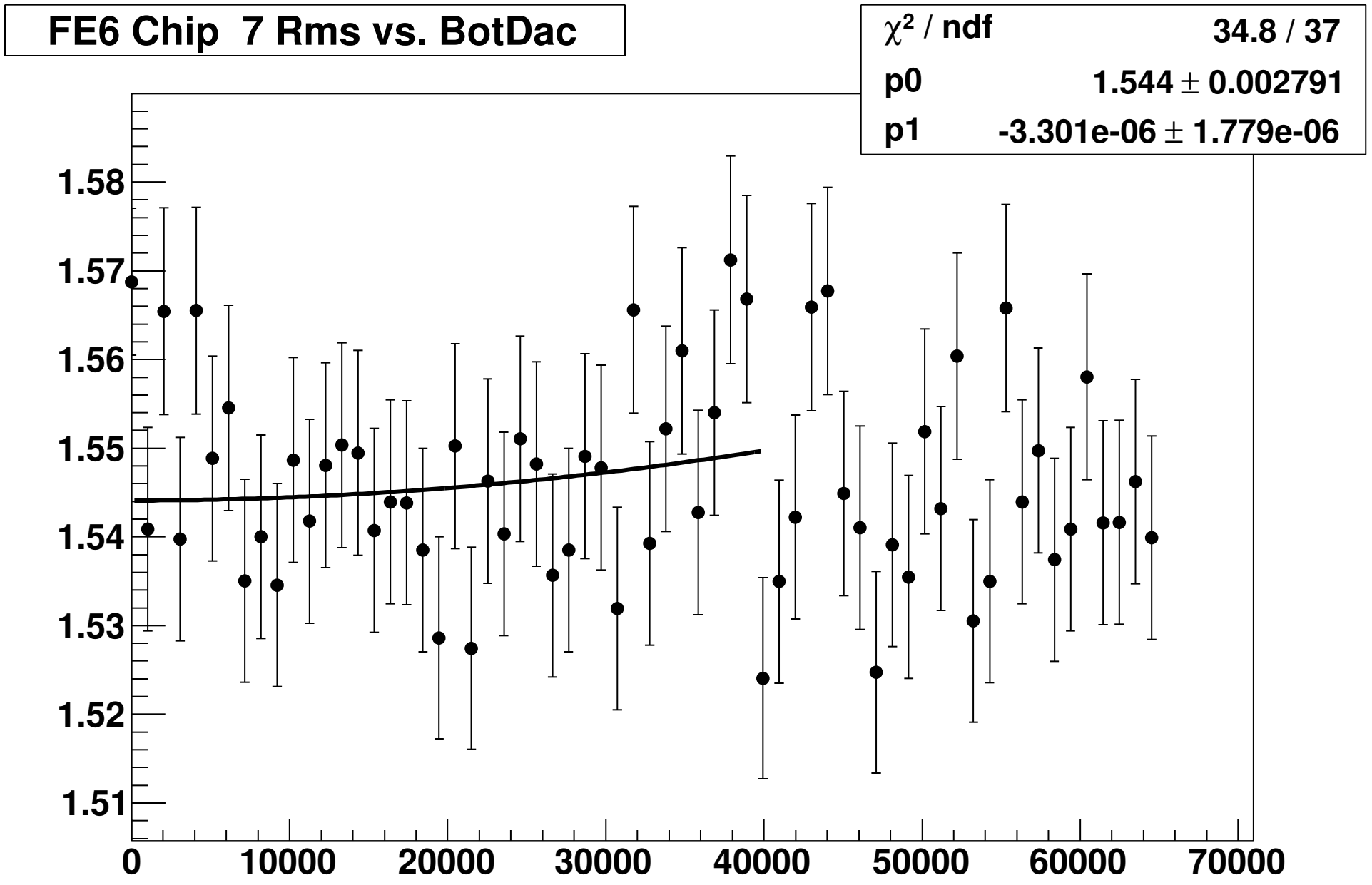
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 34.8 / 37
p0 1.544 ± 0.002791
p1 -3.301e-06 ± 1.779e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
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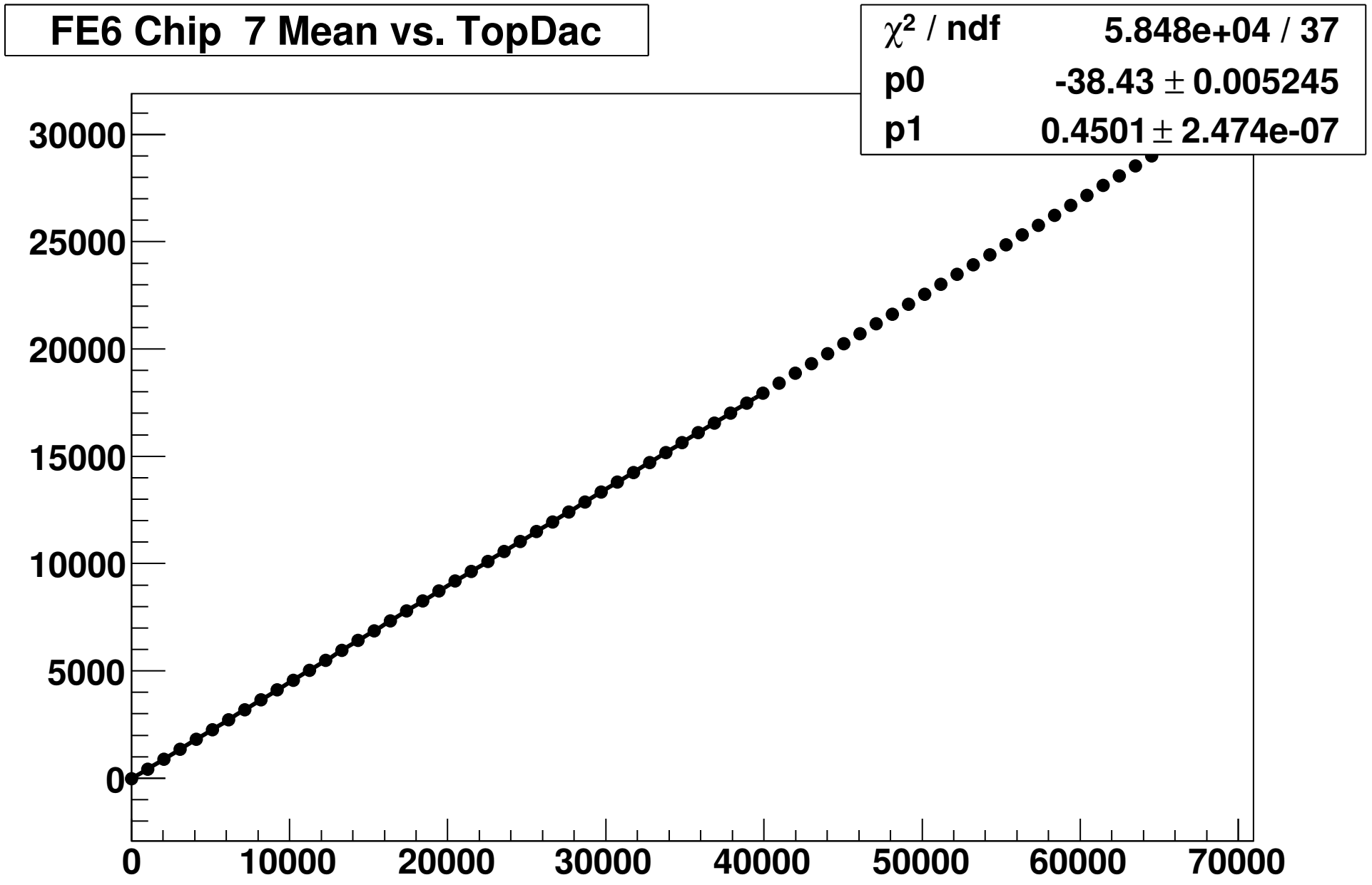
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 5.848e+04 / 37
p0 -38.43 ± 0.005245
p1 0.4501 ± 2.474e-07
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15000
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0
0
10000
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60000
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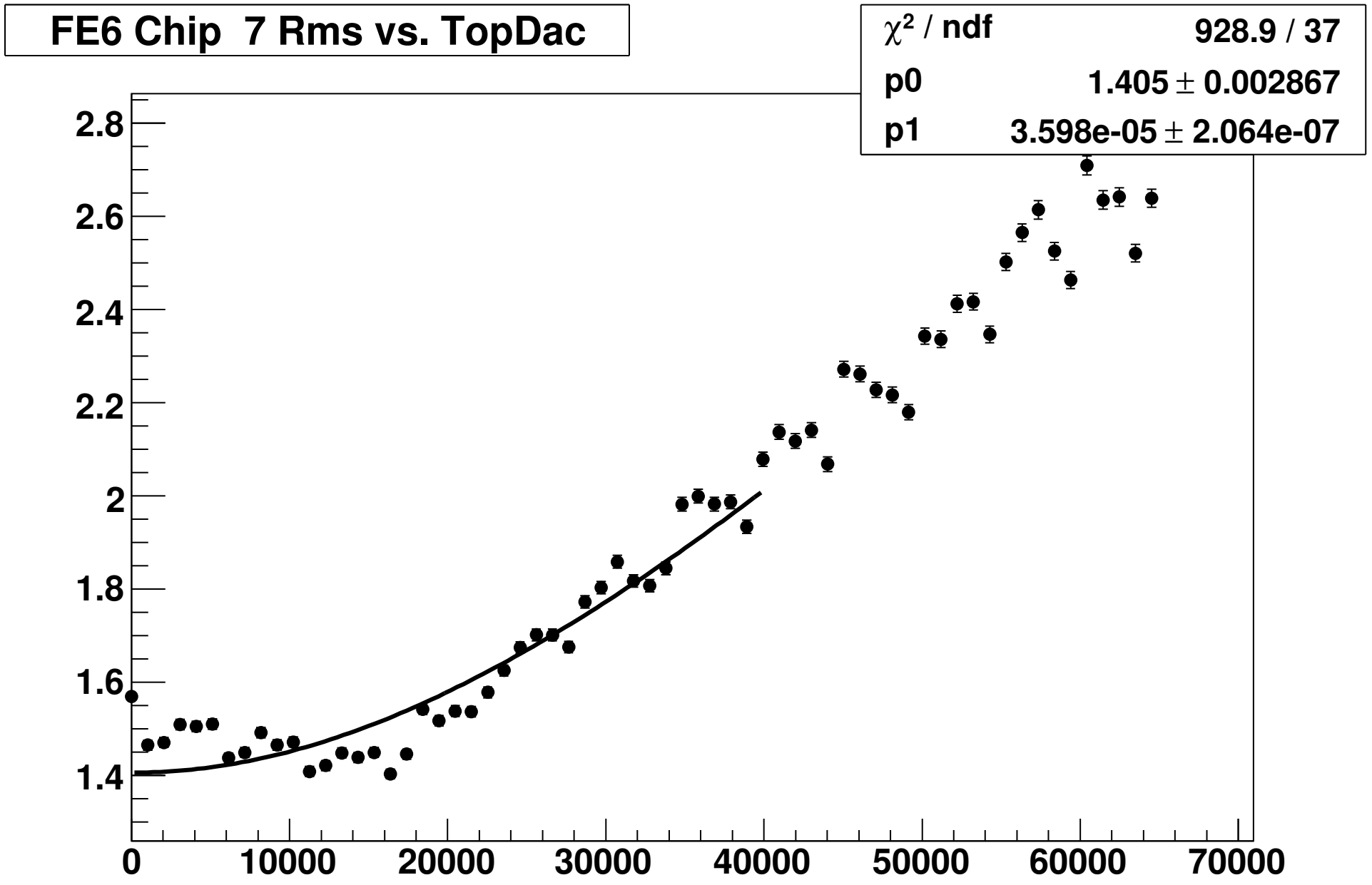
FE6 Chip 7 Rms vs. TopDac
χ² / ndf 928.9 / 37
p0 1.405 ± 0.002867
p1 3.598e-05 ± 2.064e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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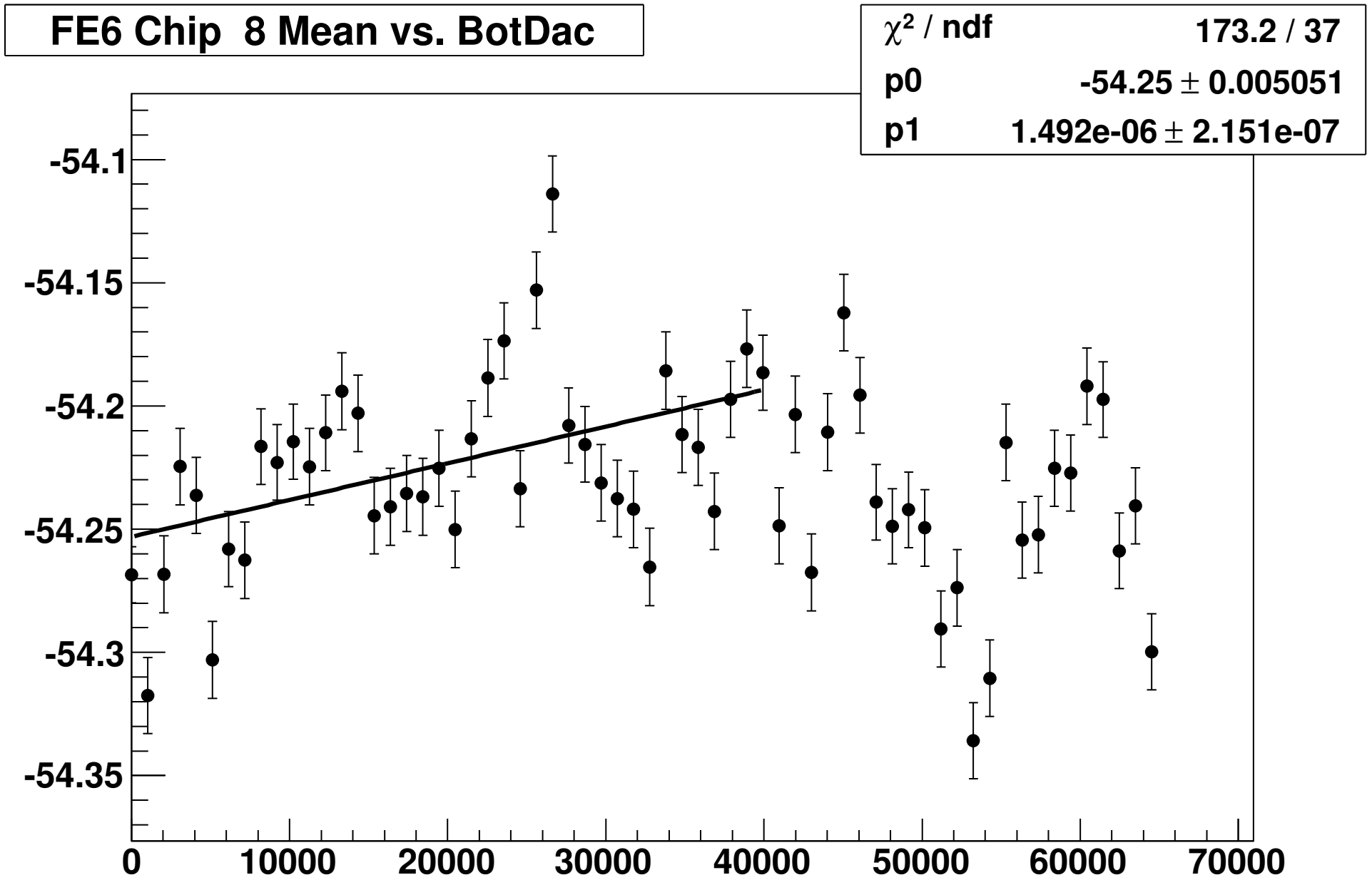
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 173.2 / 37
p0 -54.25 ± 0.005051
p1 1.492e-06 ± 2.151e-07
-54.1
-54.15
-54.2
-54.25
-54.3
-54.35
0
10000
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30000
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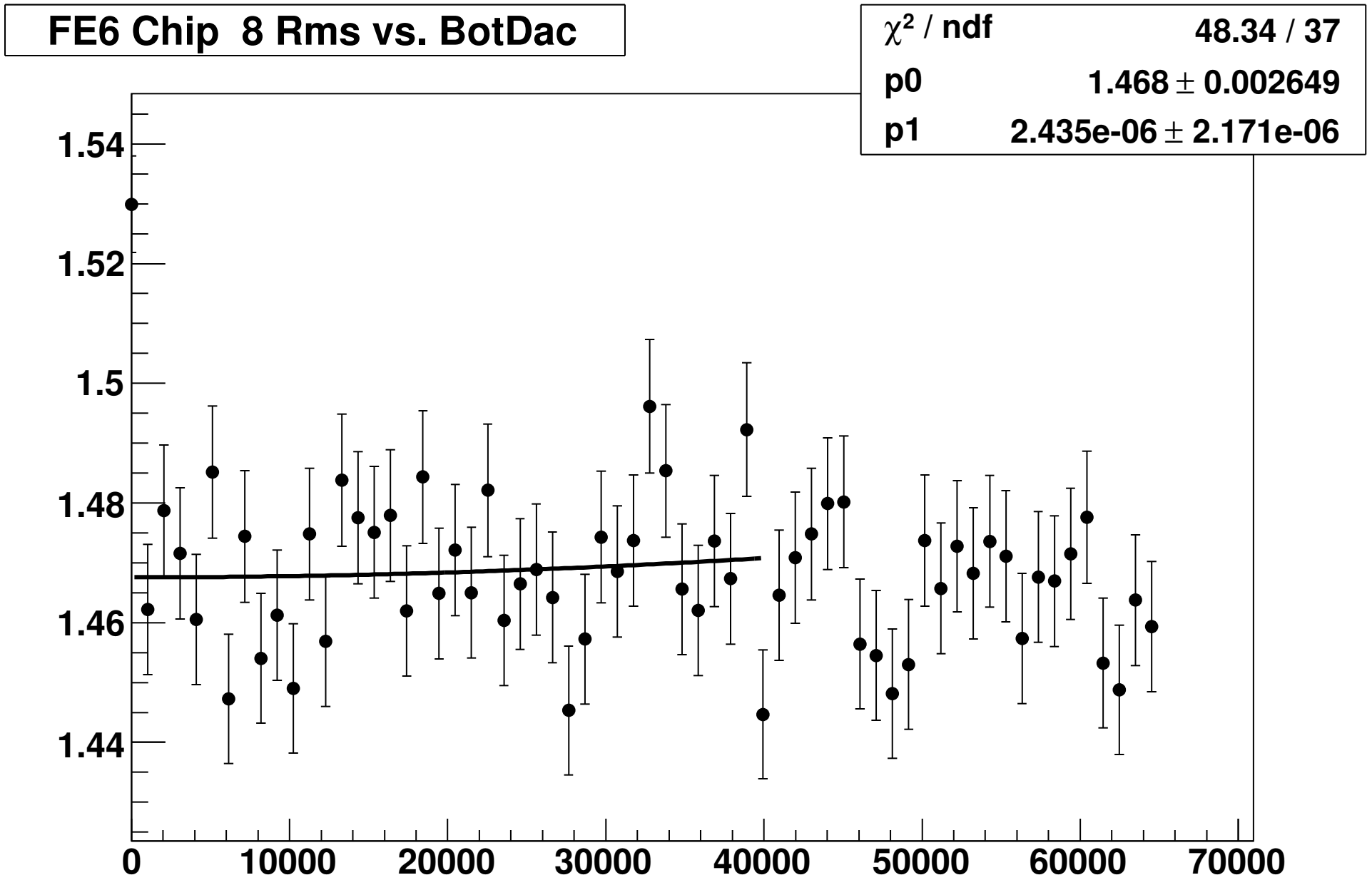
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 48.34 / 37
p0 1.468 ± 0.002649
p1 2.435e-06 ± 2.171e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
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30000
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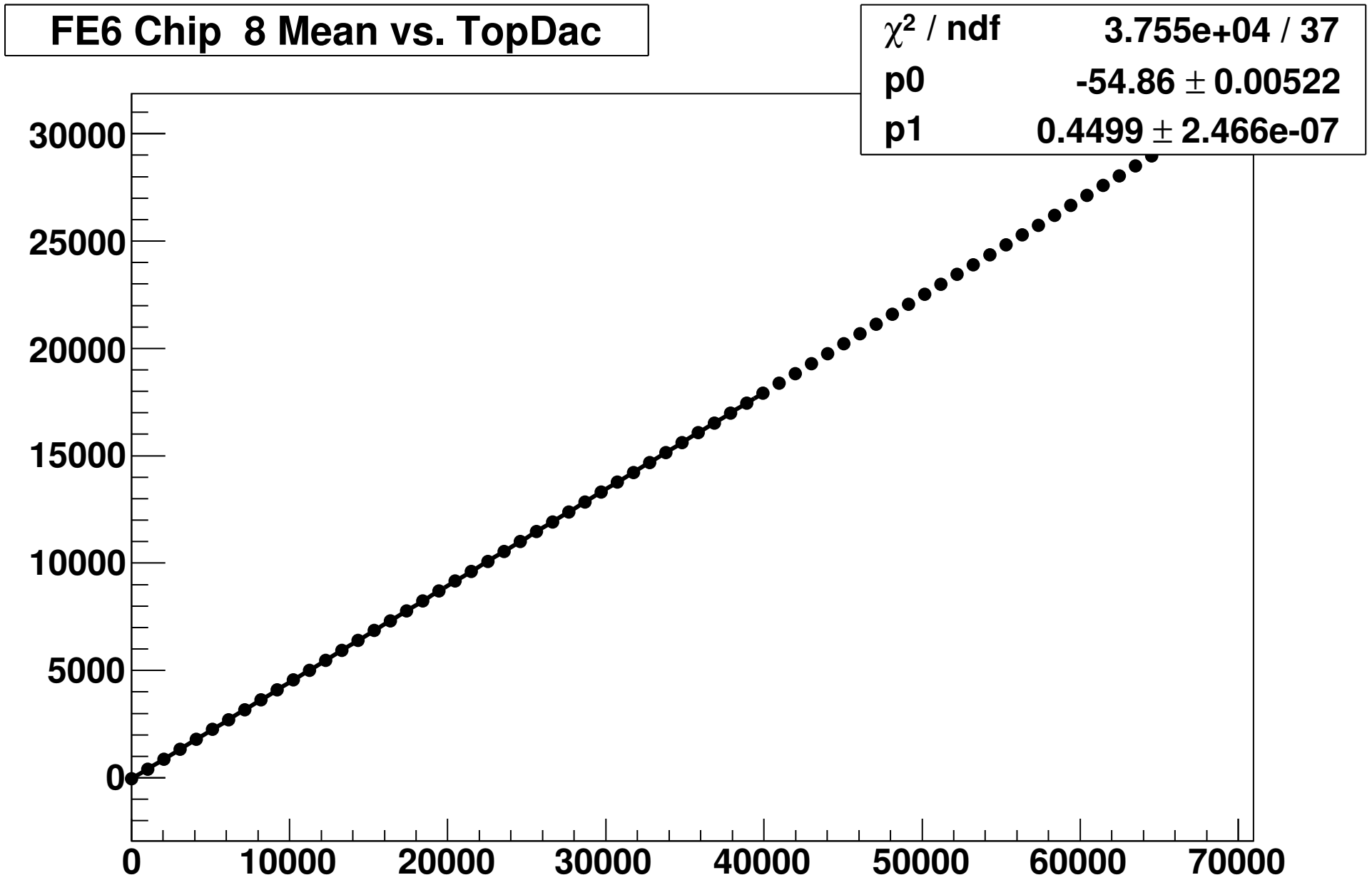
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 3.755e+04 / 37
p0 -54.86 ± 0.00522
p1 0.4499 ± 2.466e-07
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20000
15000
10000
5000
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10000
20000
30000
40000
50000
60000
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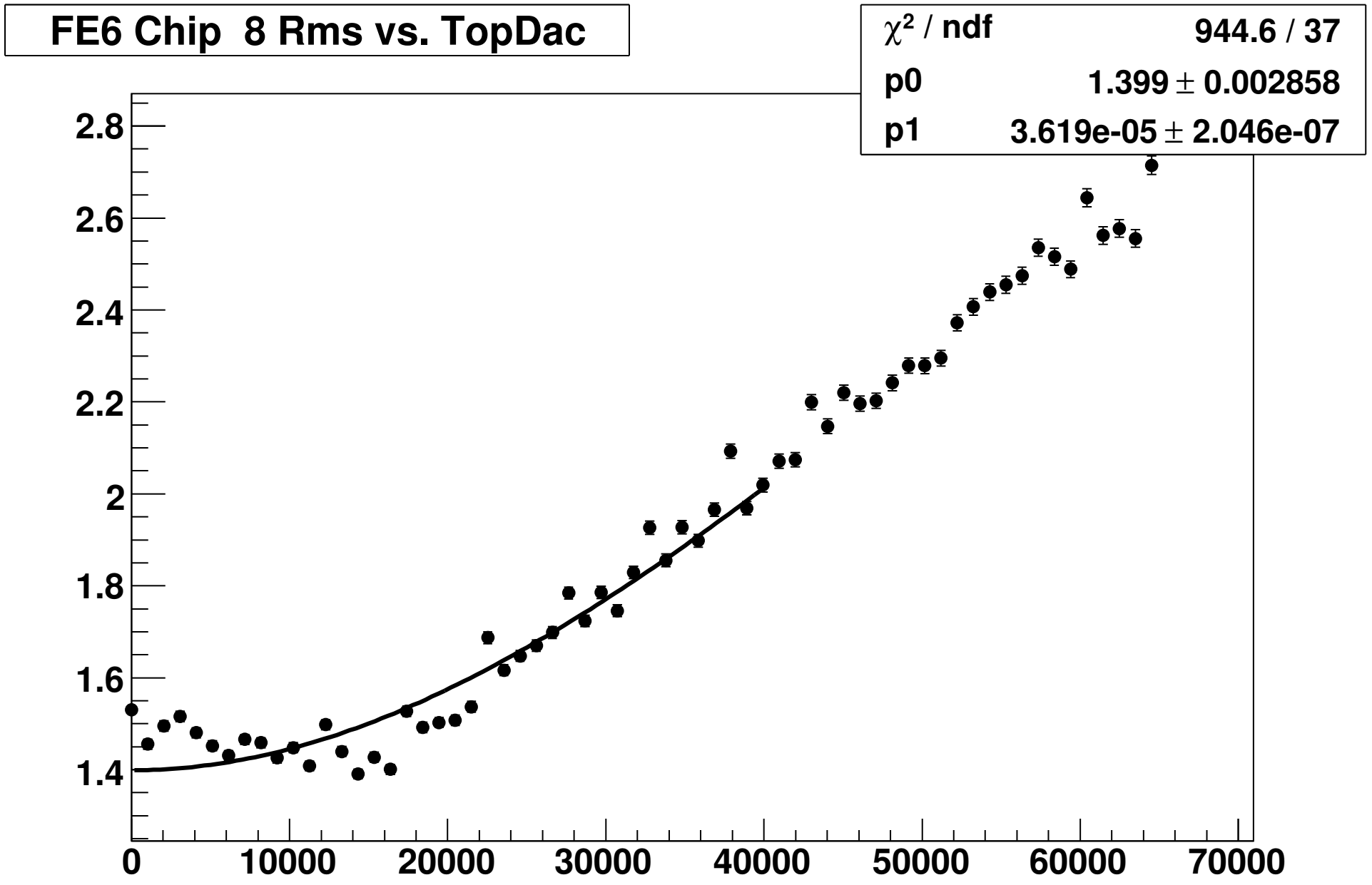
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 944.6 / 37
p0 1.399 ± 0.002858
p1 3.619e-05 ± 2.046e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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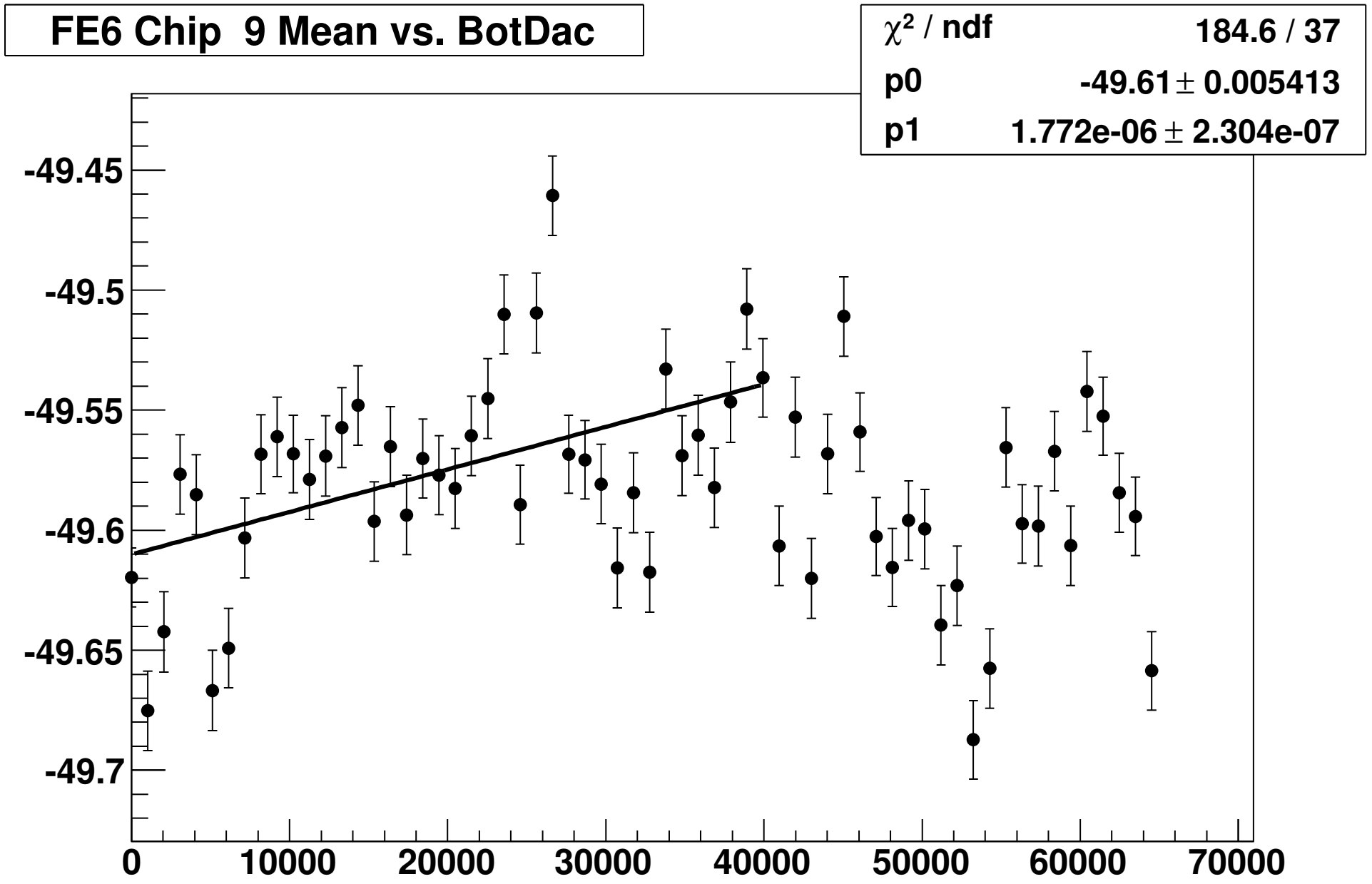
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 184.6 / 37
p0 -49.61 ± 0.005413
p1 1.772e-06 ± 2.304e-07
-49.45
-49.5
-49.55
-49.6
-49.65
-49.7
0
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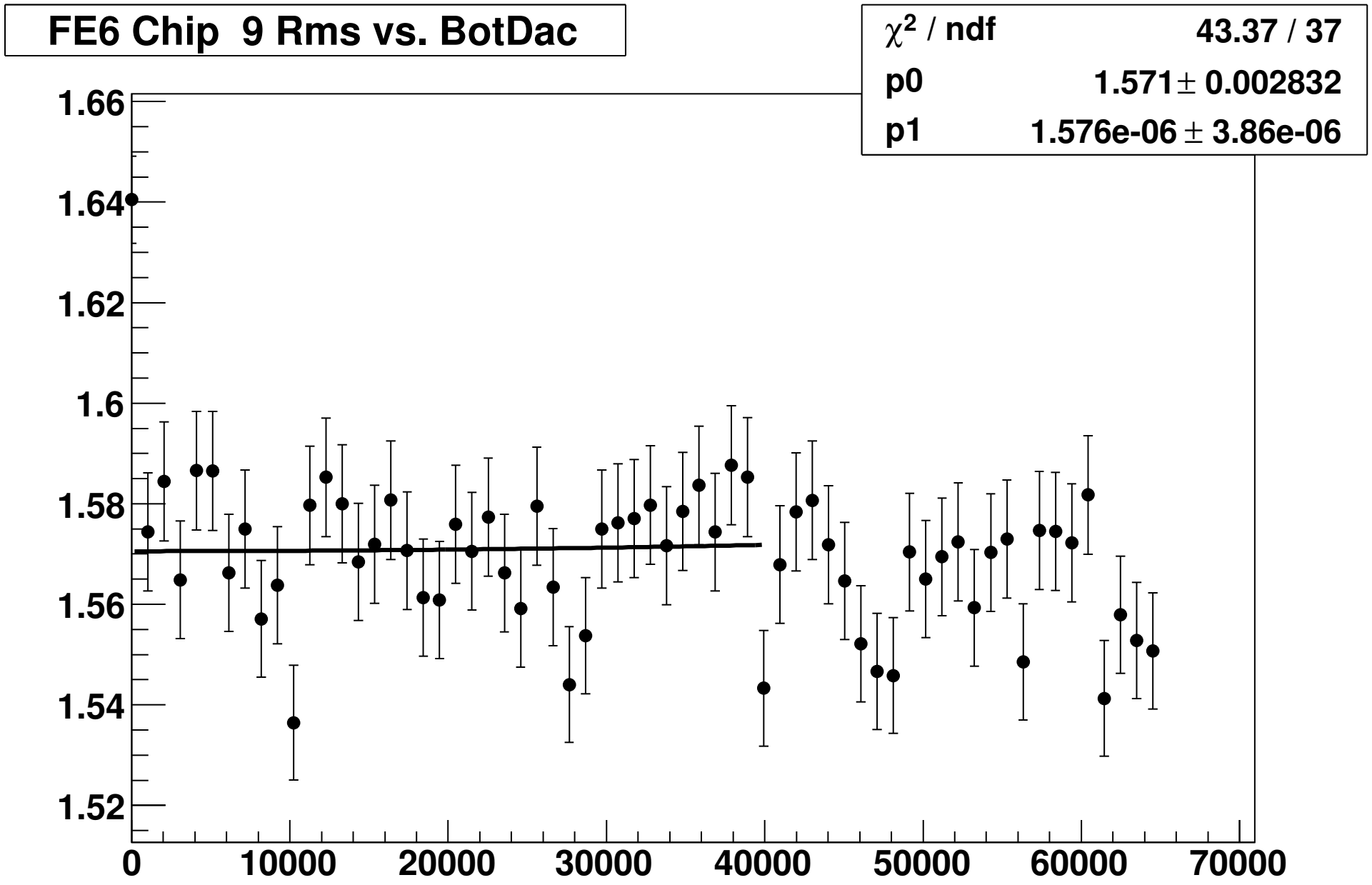
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 43.37 / 37
p0 1.571 ± 0.002832
p1 1.576e-06 ± 3.86e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
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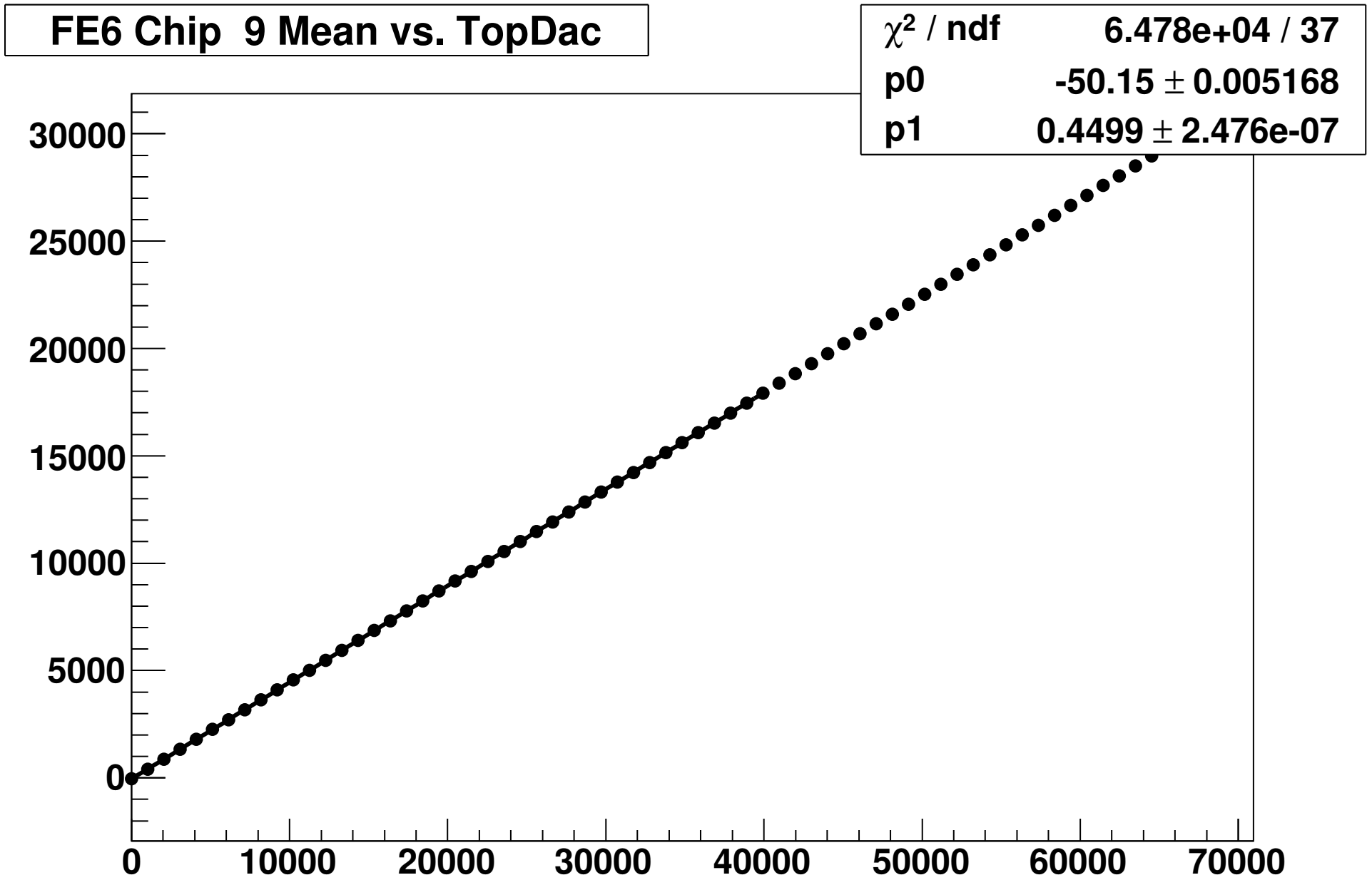
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 6.478e+04 / 37
p0 -50.15 ± 0.005168
p1 0.4499 ± 2.476e-07
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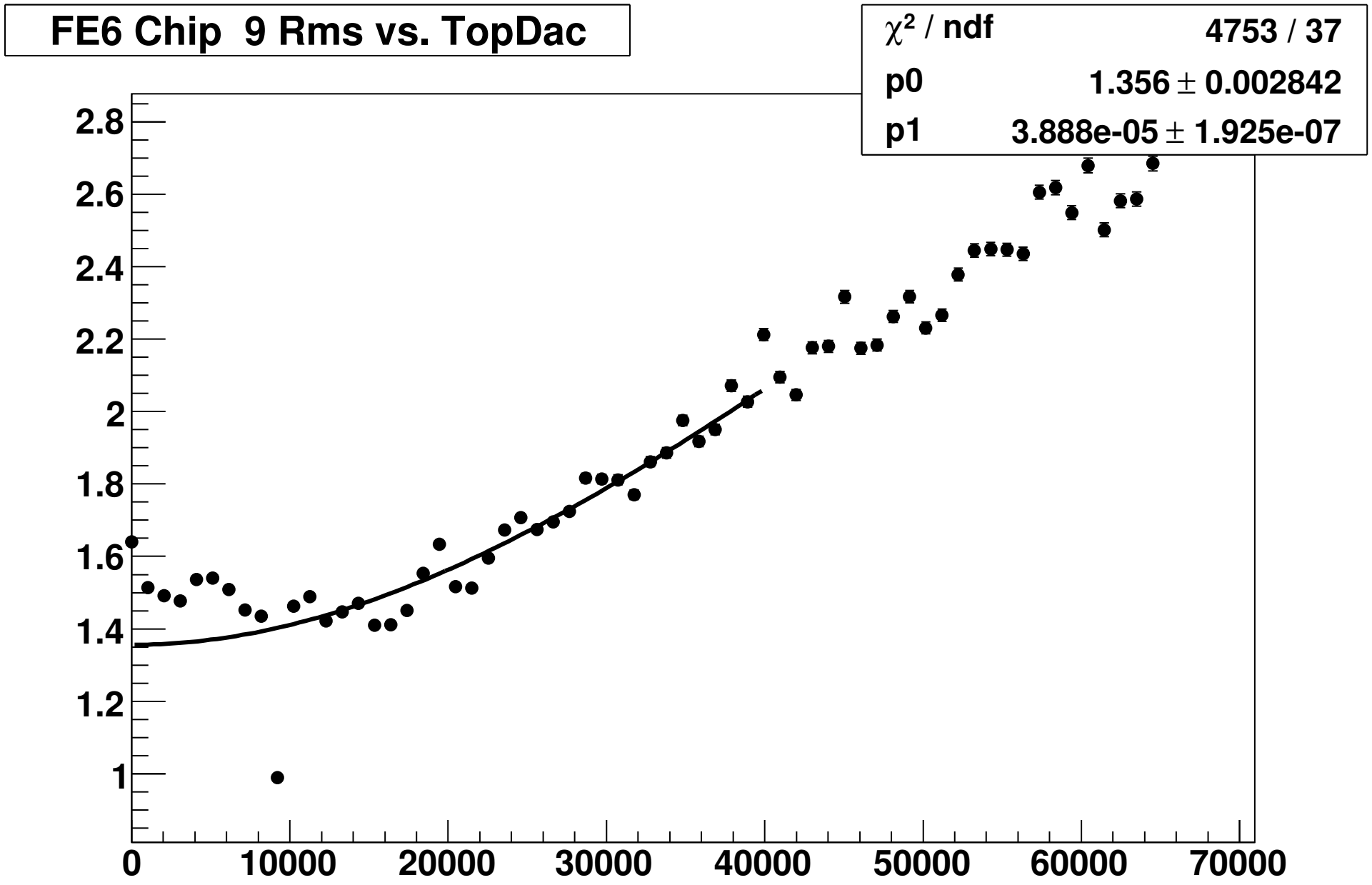
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 4753 / 37
p0 1.356 ± 0.002842
p1 3.888e-05 ± 1.925e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
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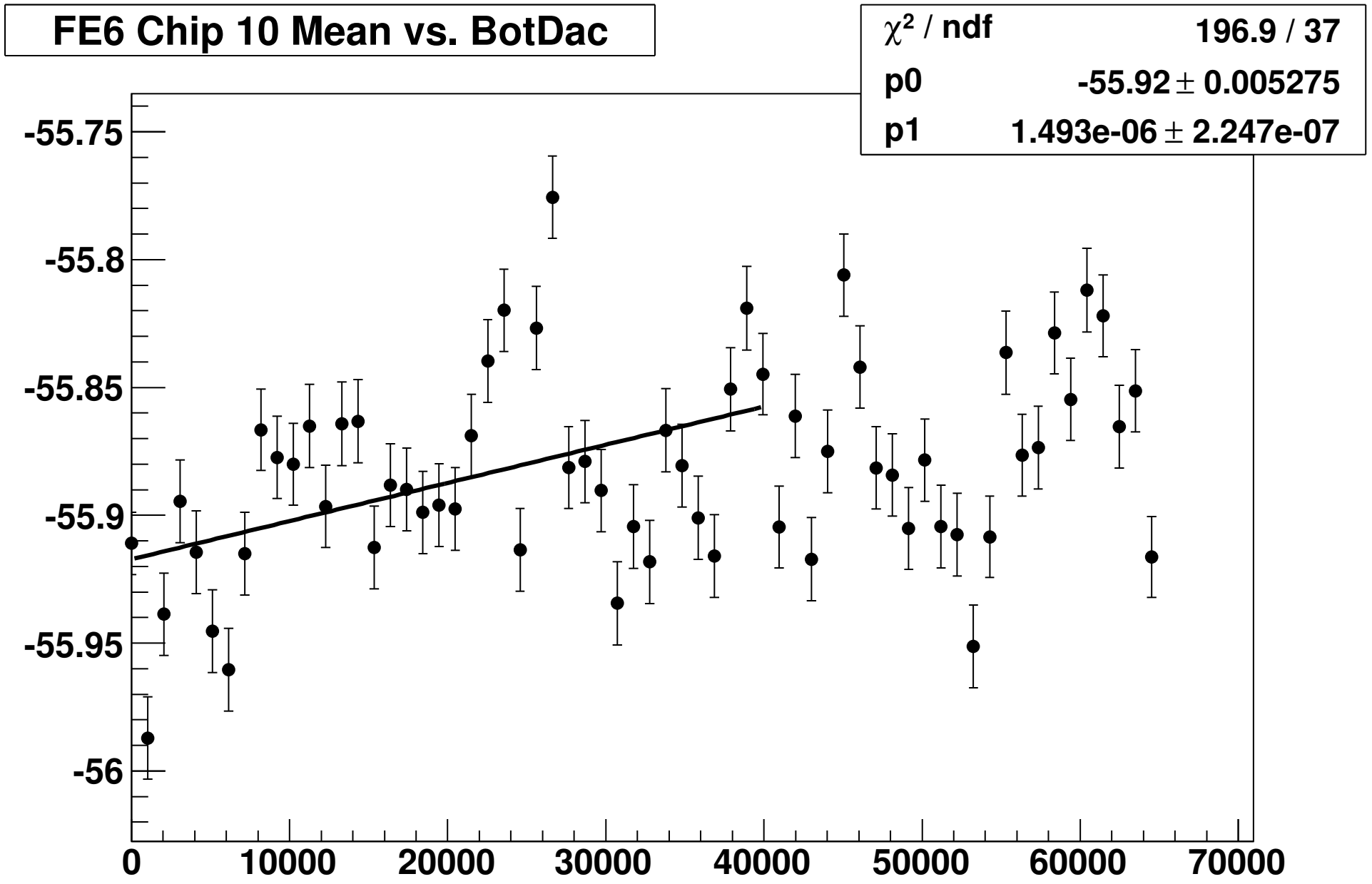
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 196.9 / 37
p0 -55.92 ± 0.005275
p1 1.493e-06 ± 2.247e-07
-55.75
-55.8
-55.85
-55.9
-55.95
-56
0
10000
20000
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40000
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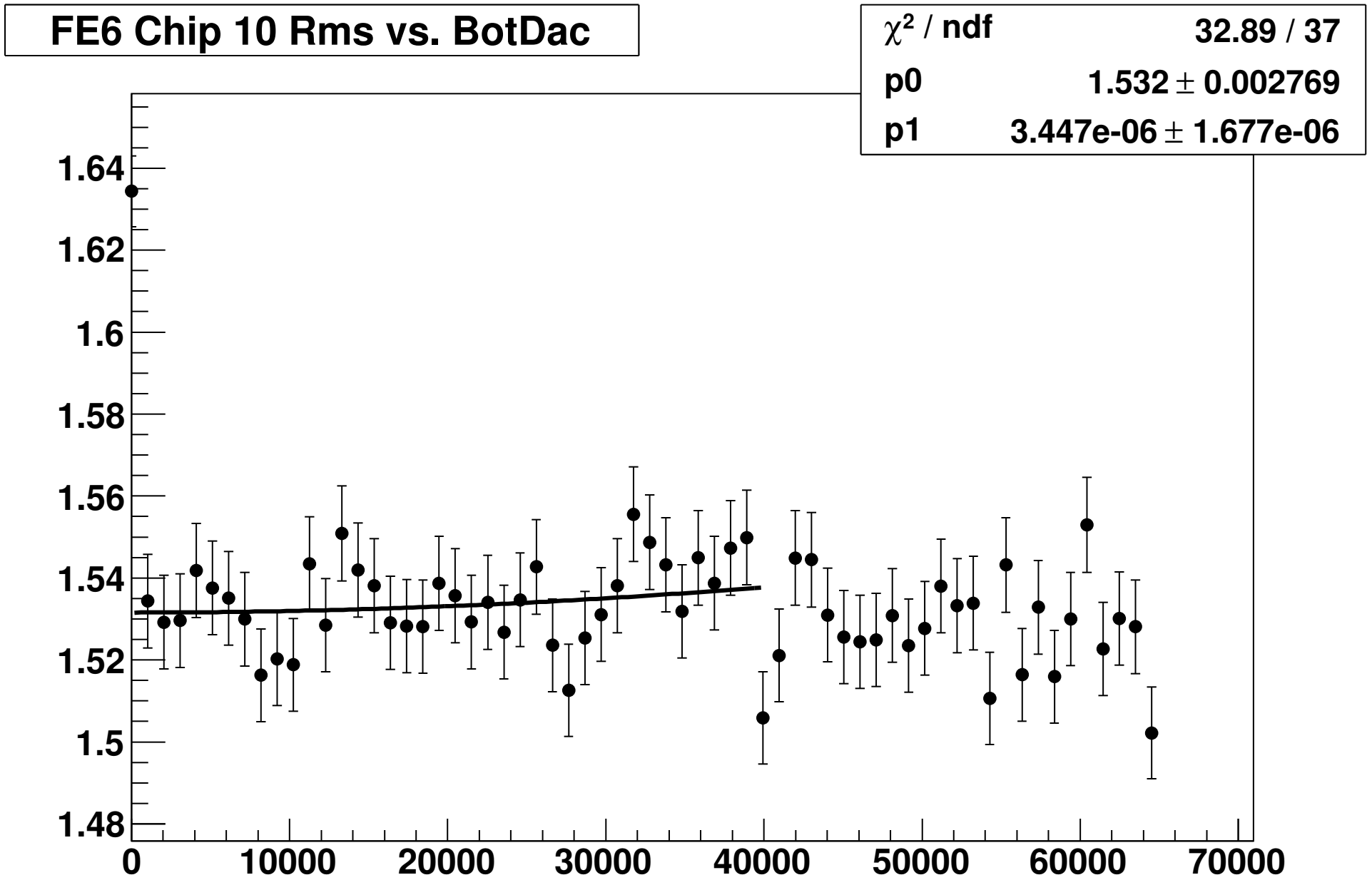
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 32.89 / 37
p0 1.532 ± 0.002769
p1 3.447e-06 ± 1.677e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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20000
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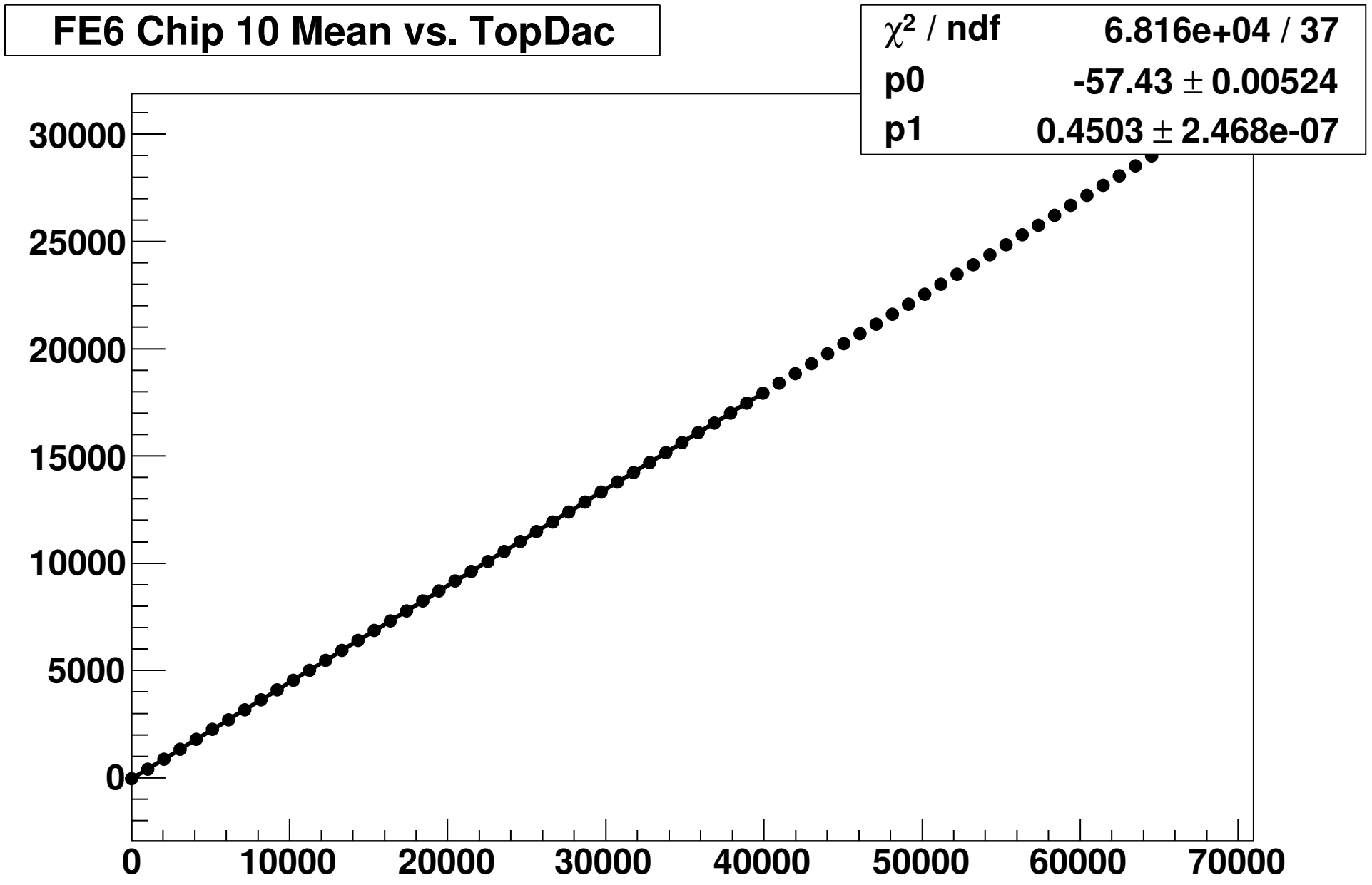
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 6.816e+04 / 37
p0 -57.43 ± 0.00524
p1 0.4503 ± 2.468e-07
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15000
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10000
20000
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50000
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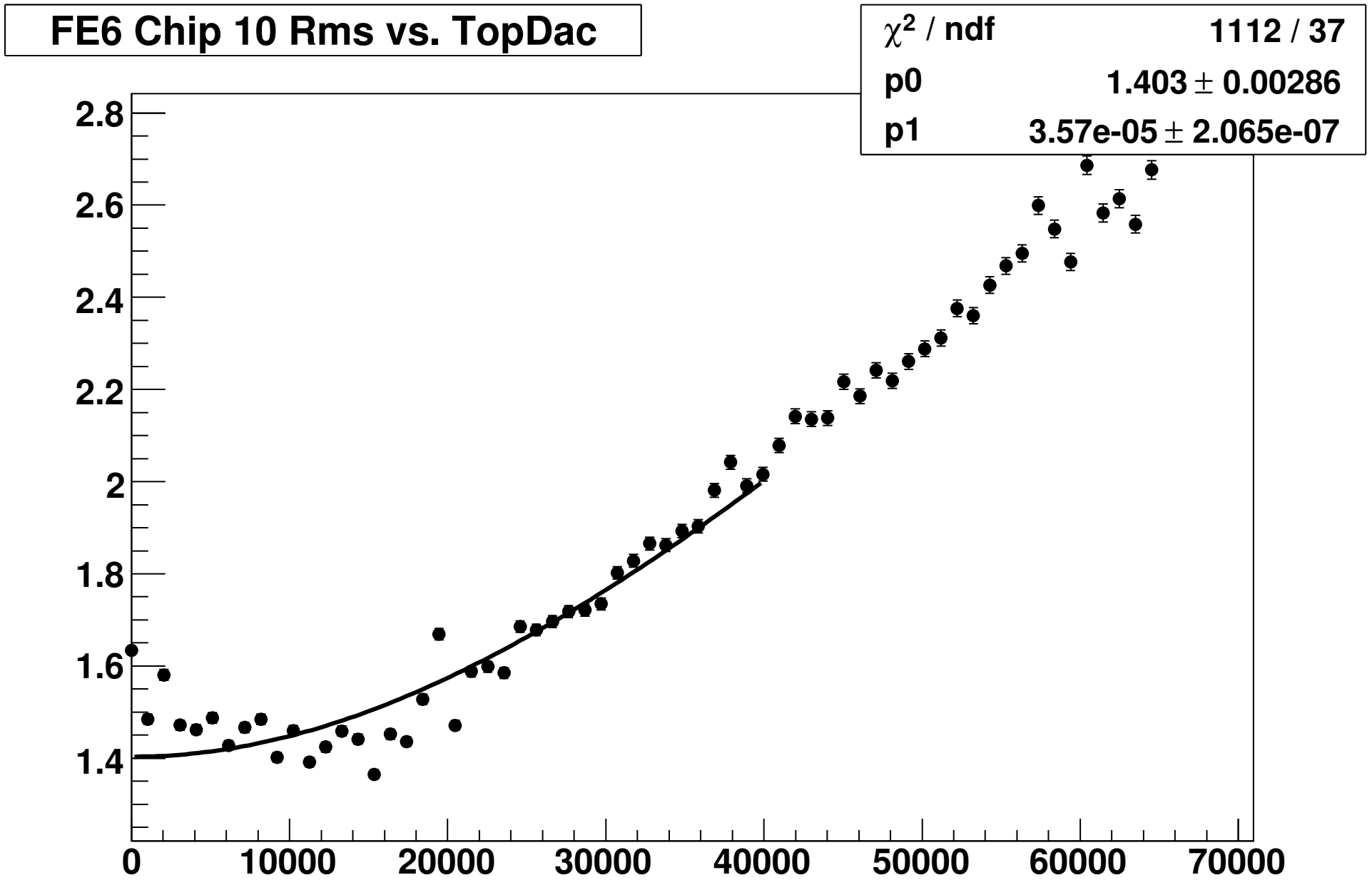
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1112 / 37
p0 1.403 ± 0.00286
p1 3.57e-05 ± 2.065e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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30000
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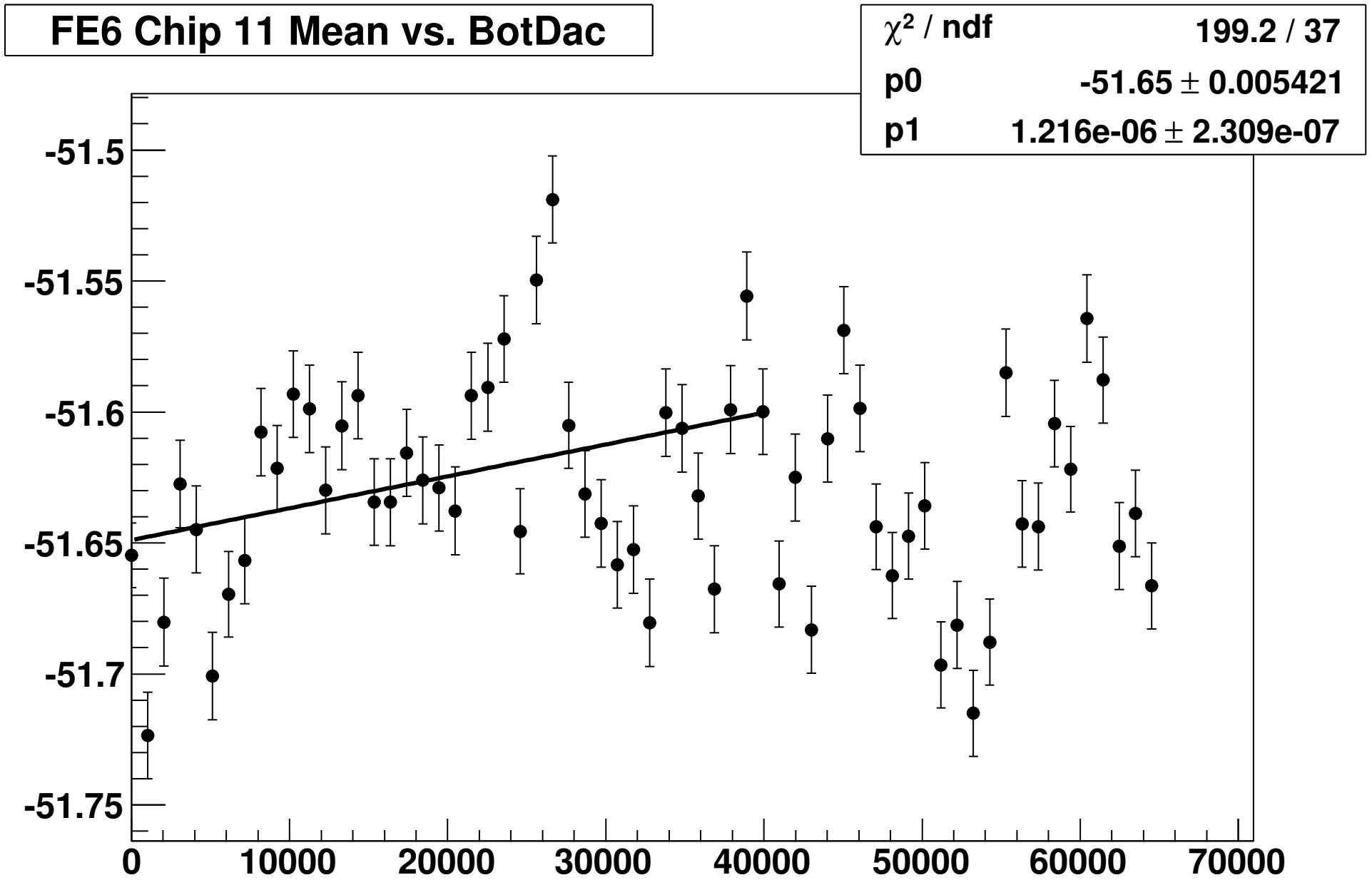
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 199.2 / 37
p0 -51.65 ± 0.005421
p1 1.216e-06 ± 2.309e-07
-51.5
-51.55
-51.6
-51.65
-51.7
-51.75
0
10000
20000
30000
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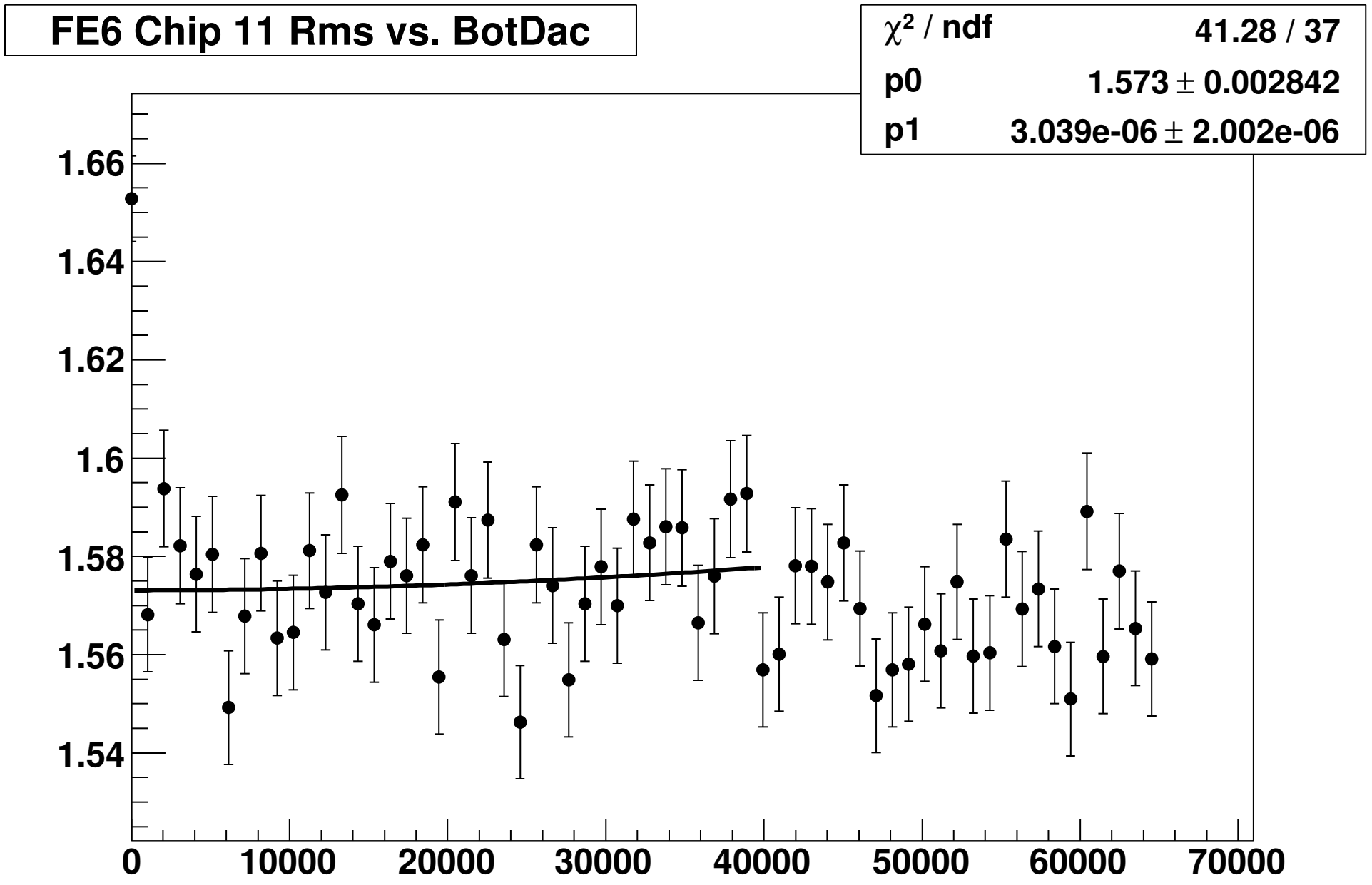
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 41.28 / 37
p0 1.573 ± 0.002842
p1 3.039e-06 ± 2.002e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
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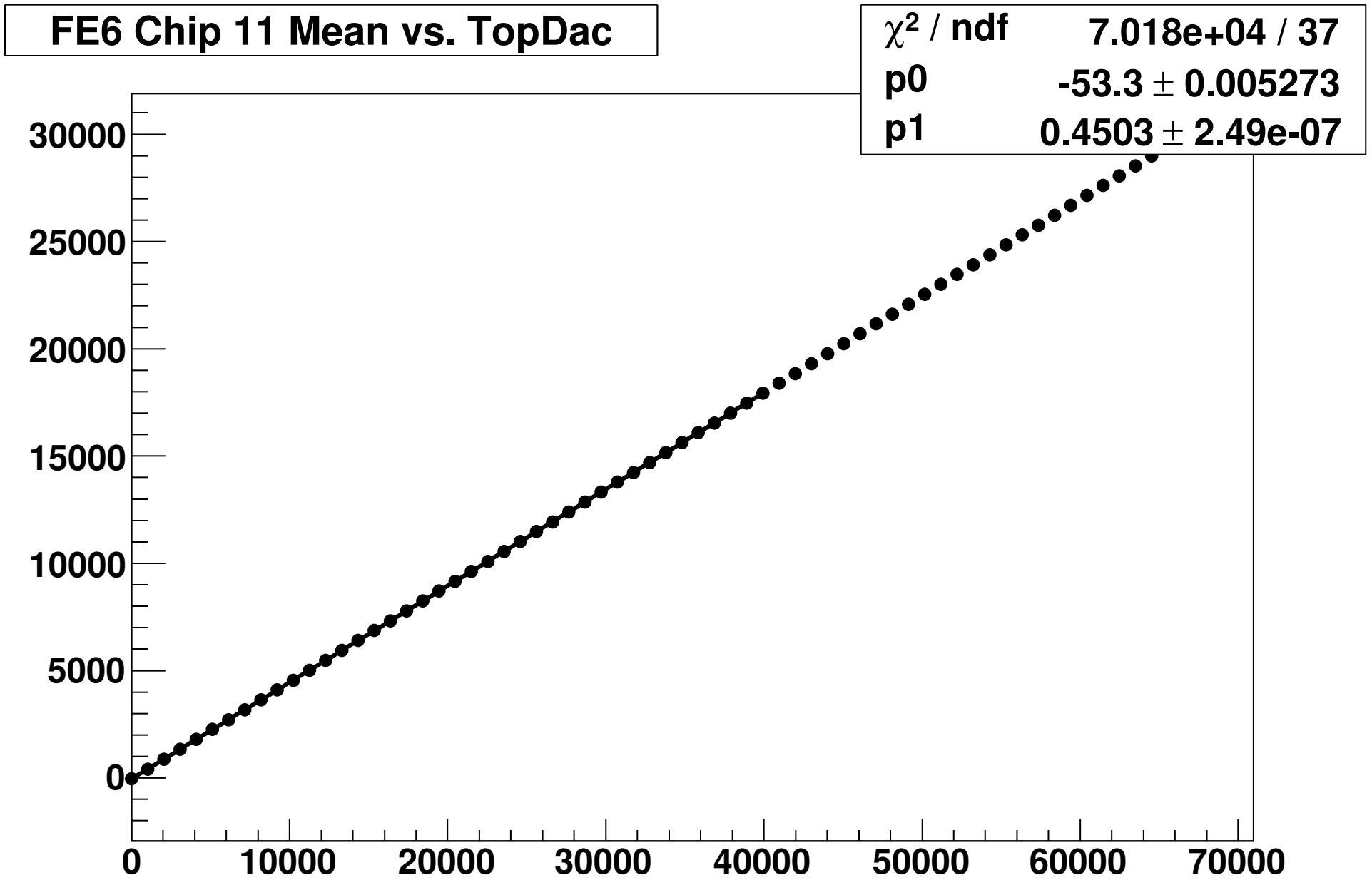
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 7.018e+04 / 37
p0 -53.3 ± 0.005273
p1 0.4503 ± 2.49e-07
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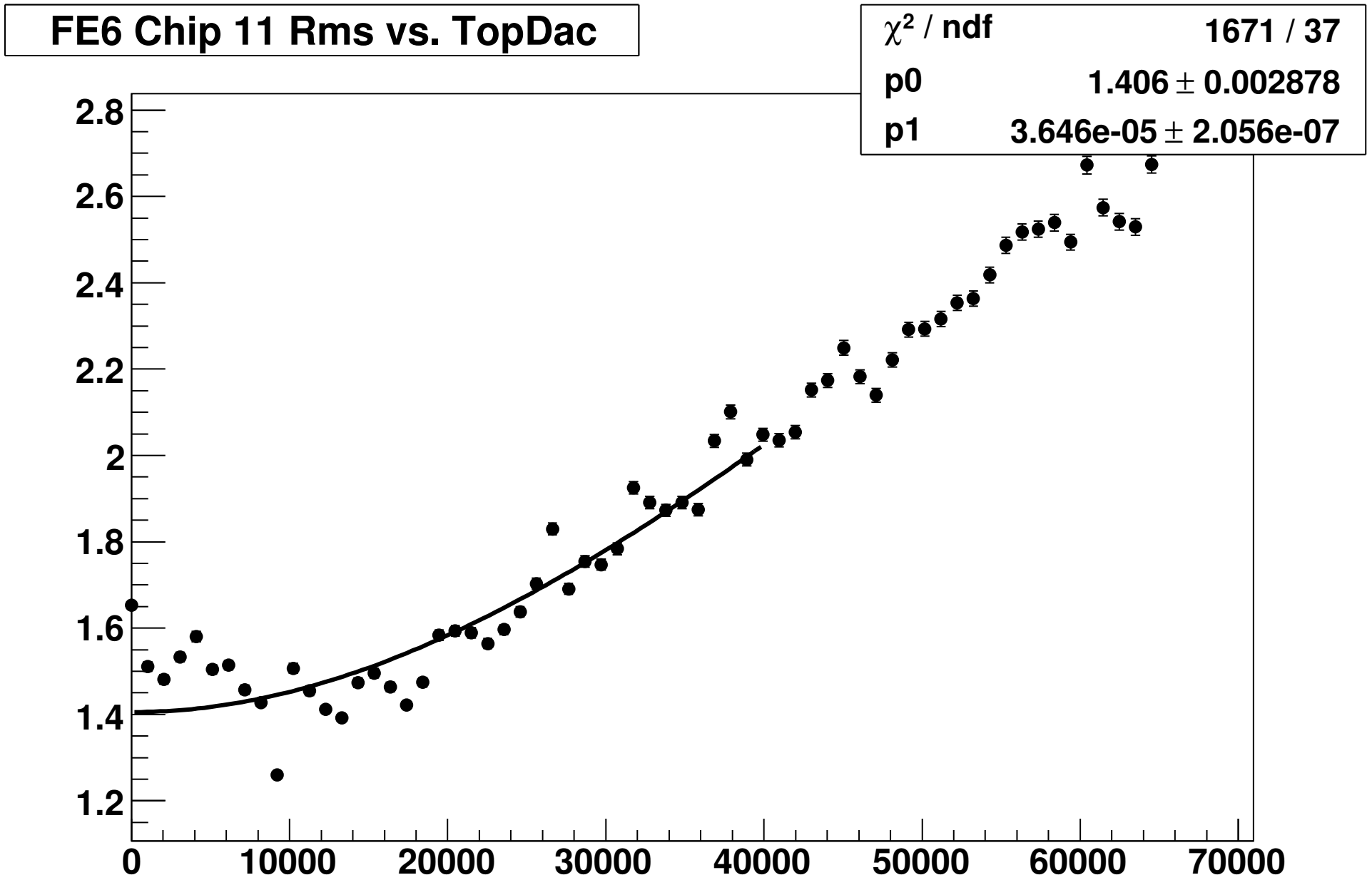
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1671 / 37
p0 1.406 ± 0.002878
p1 3.646e-05 ± 2.056e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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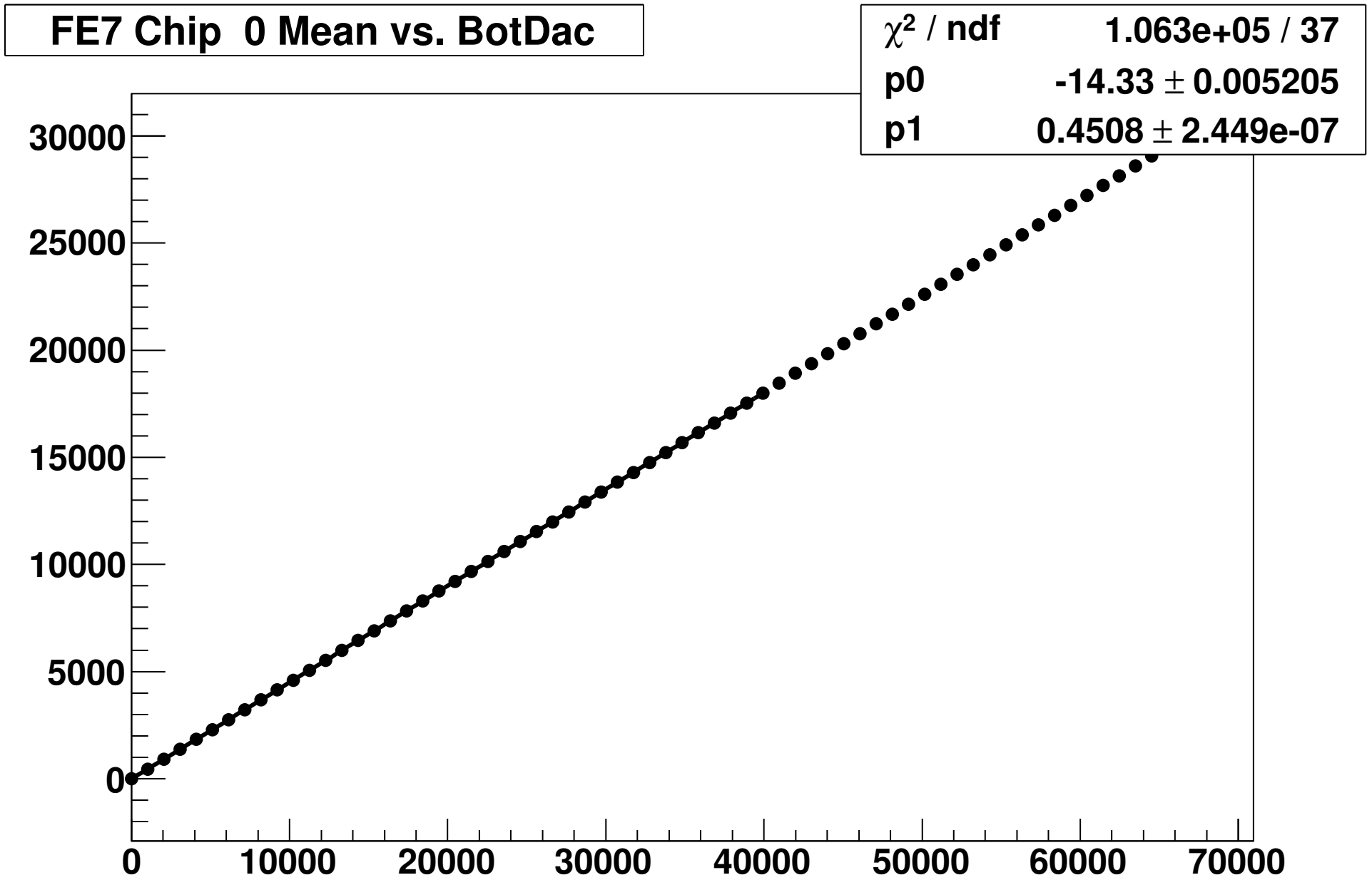
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.063e+05 / 37
p0 -14.33 ± 0.005205
p1 0.4508 ± 2.449e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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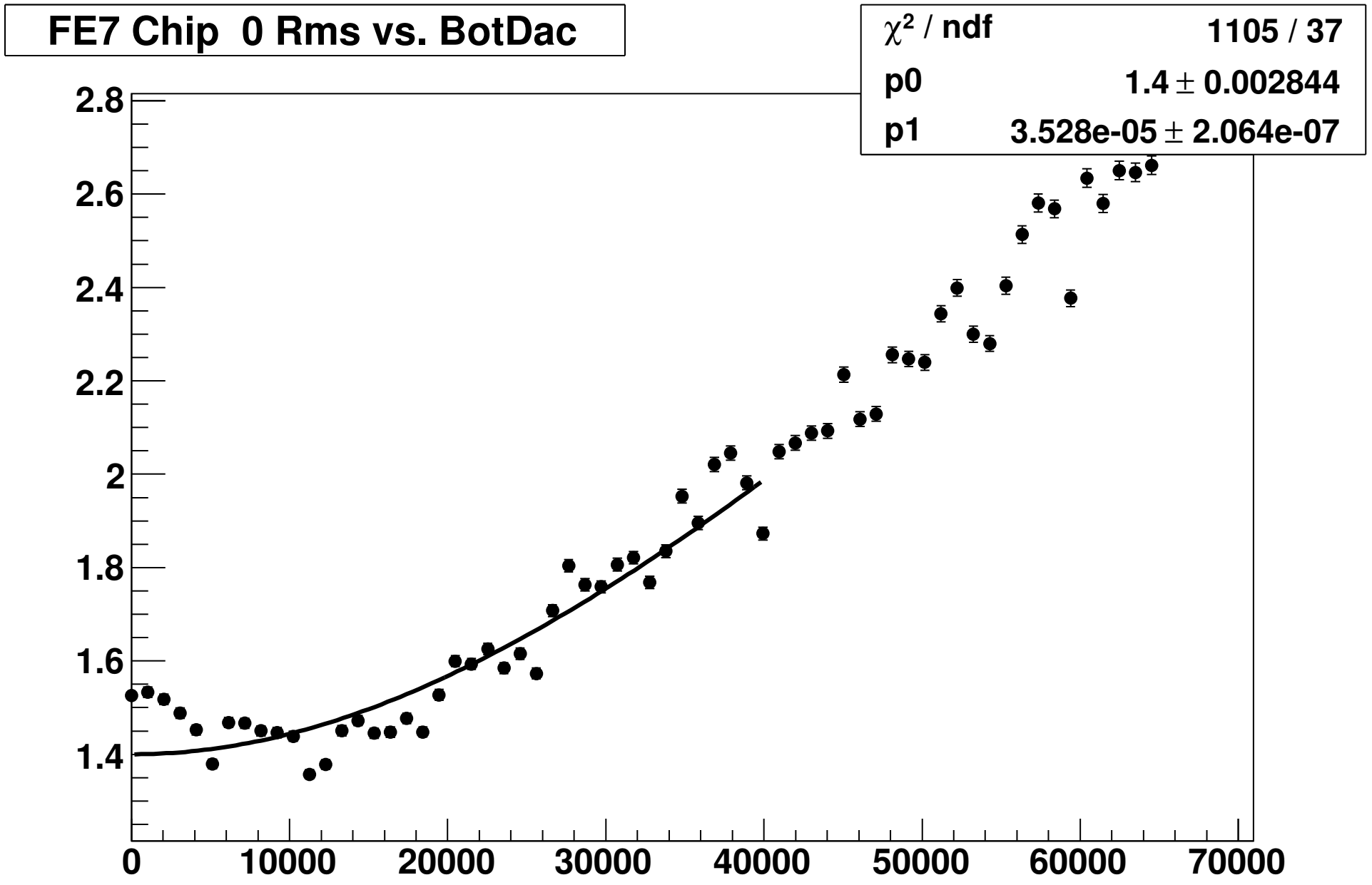
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1105 / 37
p0 1.4 ± 0.002844
p1 3.528e-05 ± 2.064e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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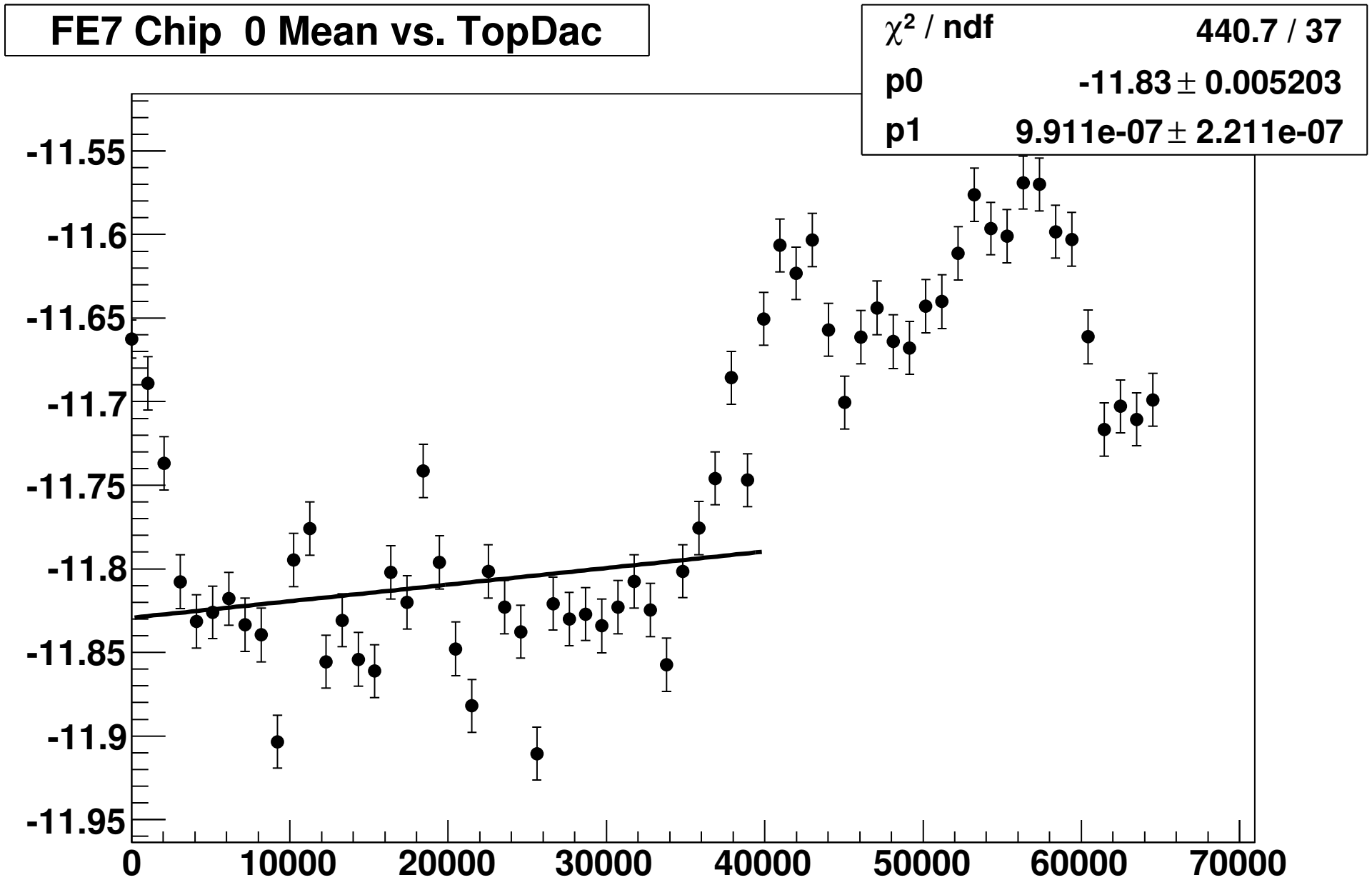
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 440.7 / 37
p0 -11.83 ± 0.005203
p1 9.911e-07 ± 2.211e-07
-11.55
-11.6
-11.65
-11.7
-11.75
-11.8
-11.85
-11.9
-11.95
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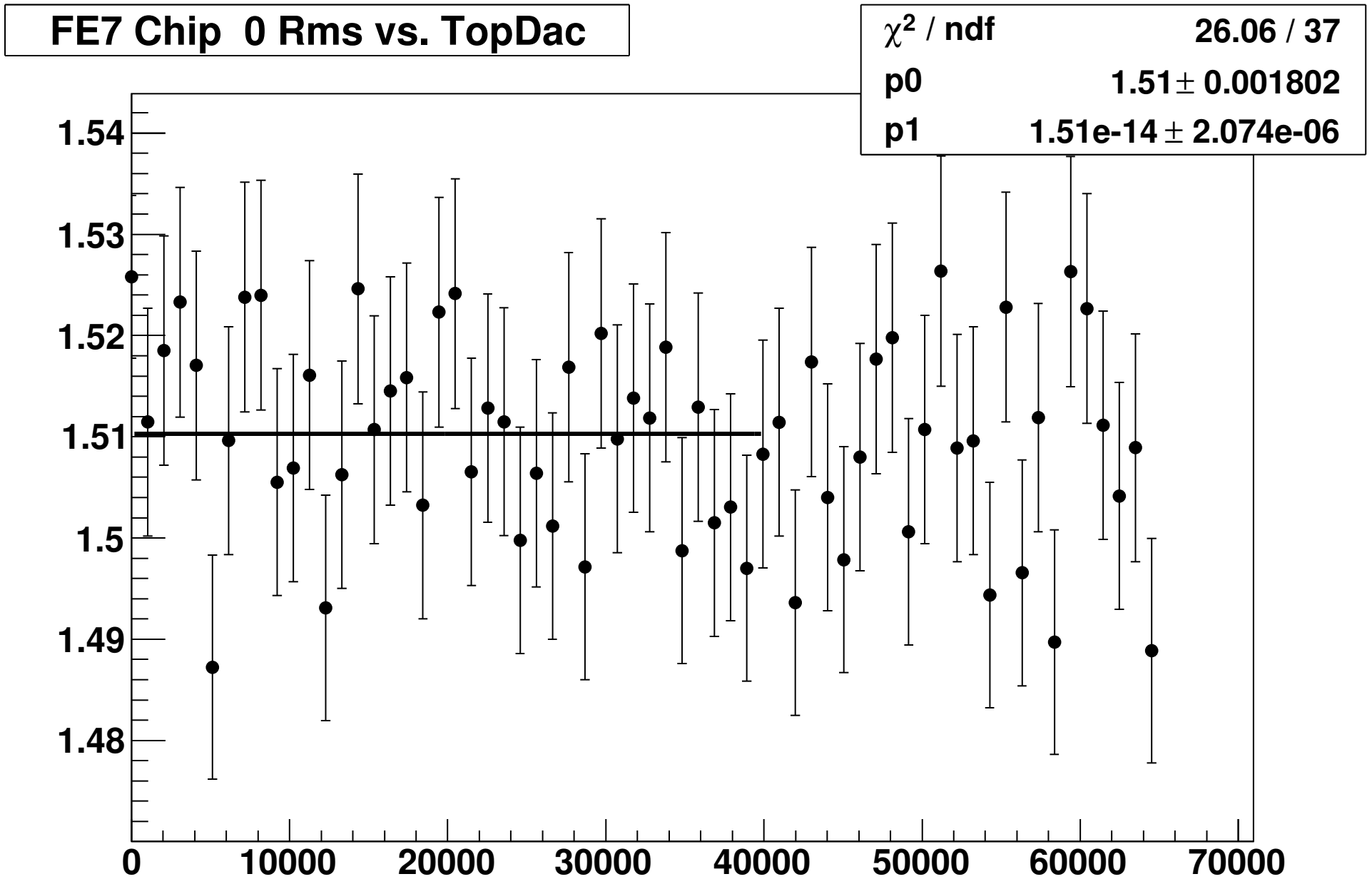
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 26.06 / 37
p0 1.51 ± 0.001802
p1 1.51e-14 ± 2.074e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
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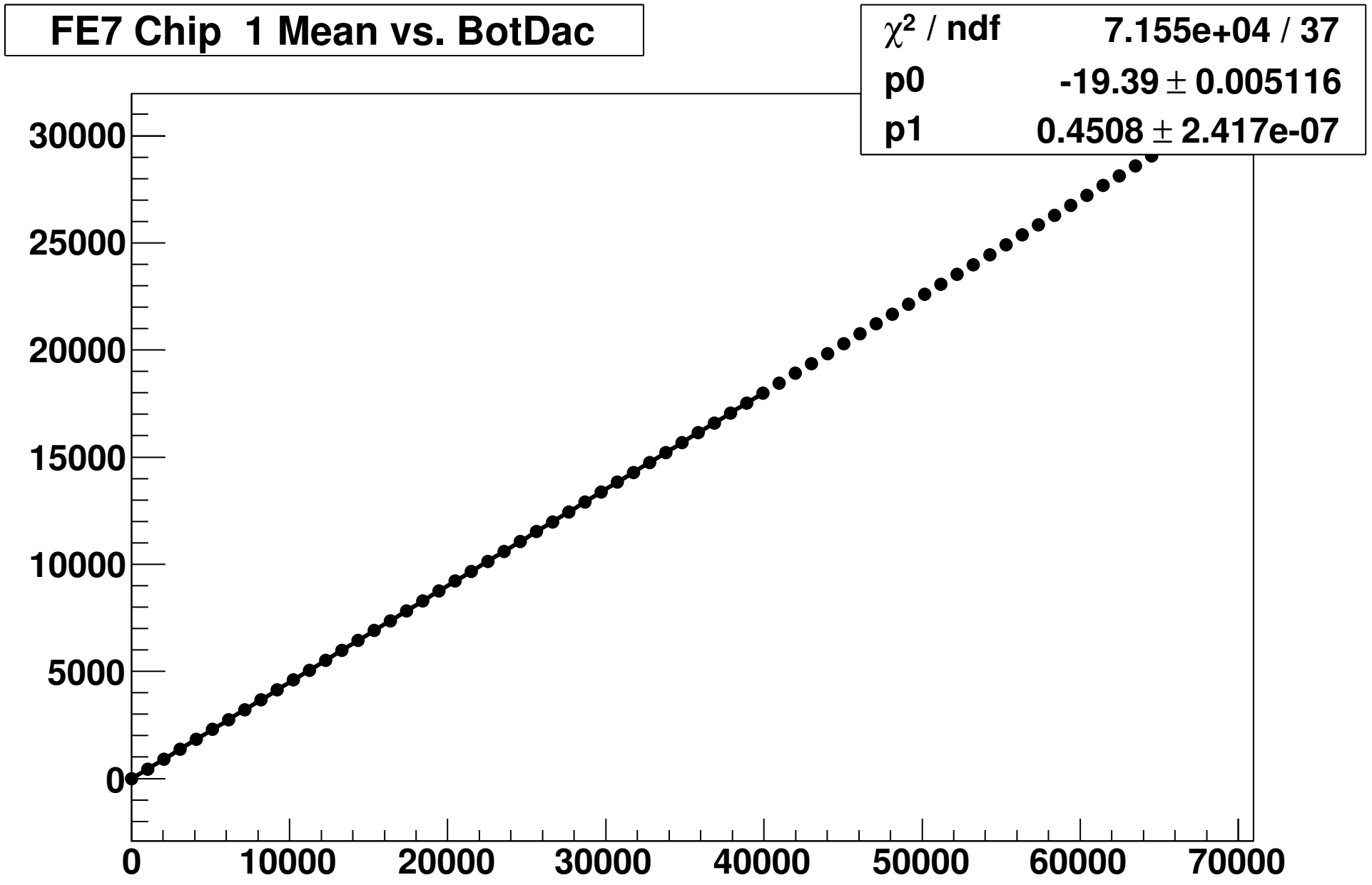
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 7.155e+04 / 37
p0 -19.39 ± 0.005116
p1 0.4508 ± 2.417e-07
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0
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10000
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40000
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60000
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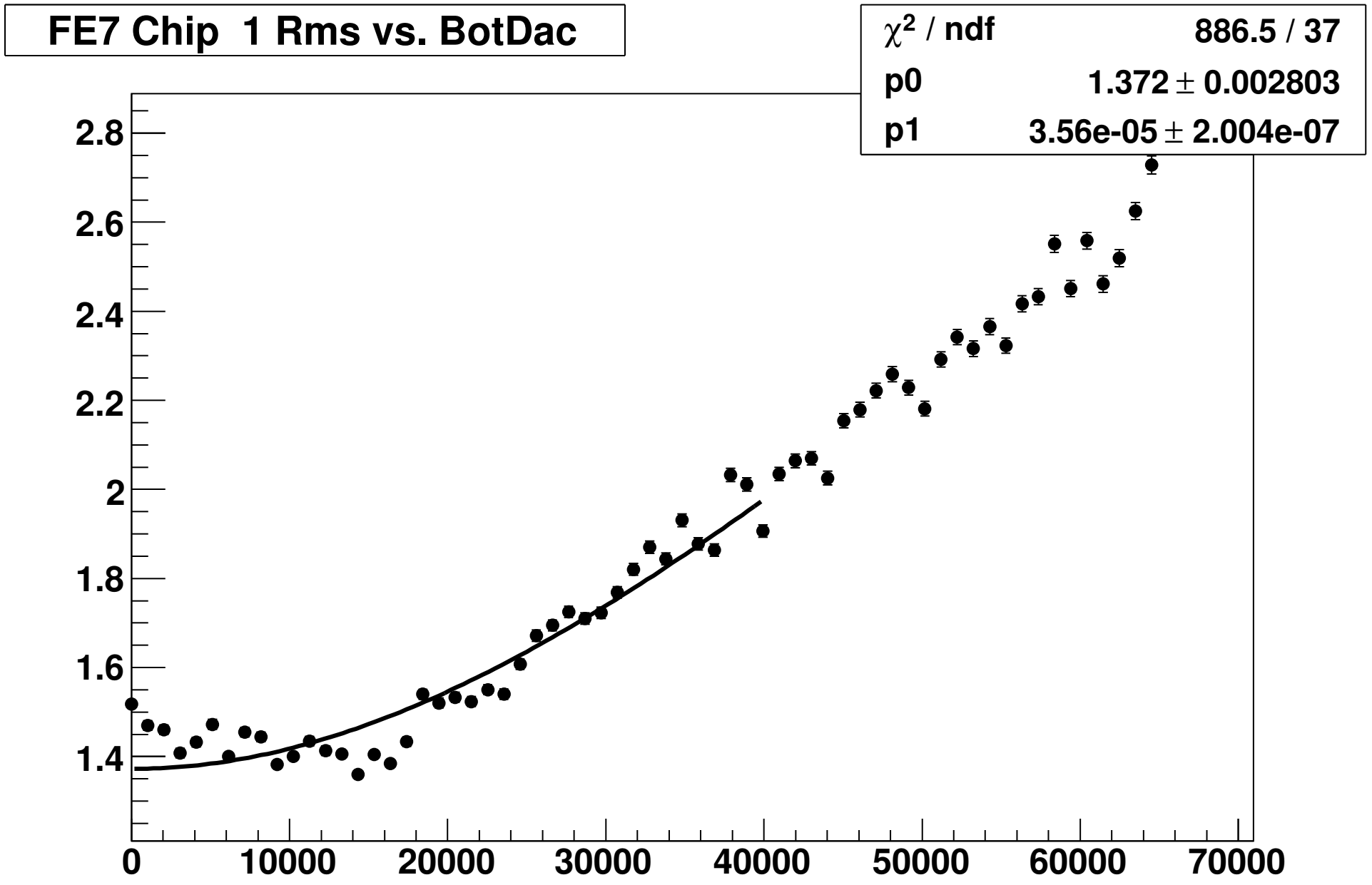
FE7 Chip 1 Rms vs. BotDac
χ² / ndf 886.5 / 37
p0 1.372 ± 0.002803
p1 3.56e-05 ± 2.004e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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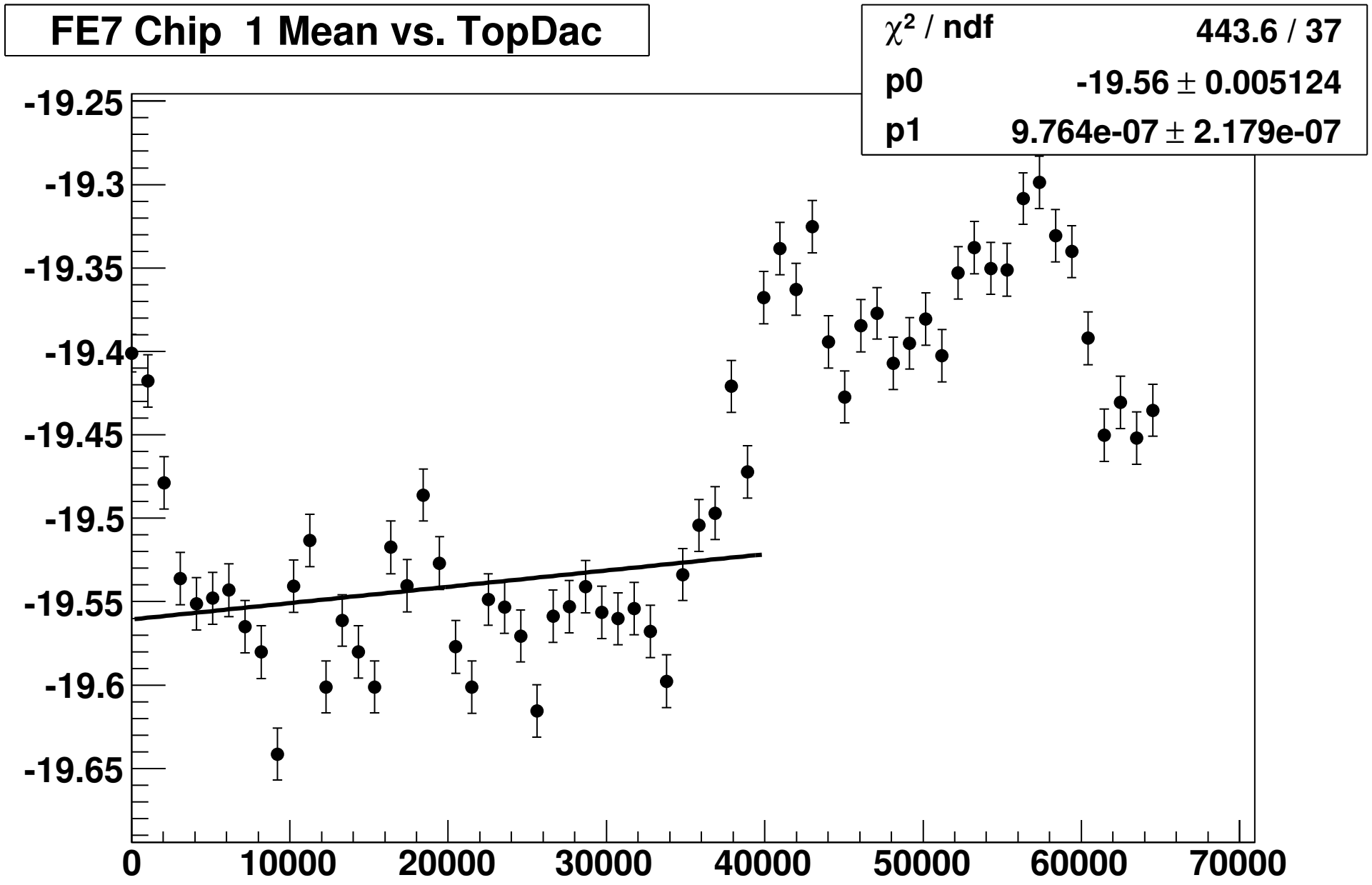
FE7 Chip 1 Mean vs. TopDac
χ² / ndf 443.6 / 37
p0 -19.56 ± 0.005124
p1 9.764e-07 ± 2.179e-07
-19.25
-19.3
-19.35
-19.4
-19.45
-19.5
-19.55
-19.6
-19.65
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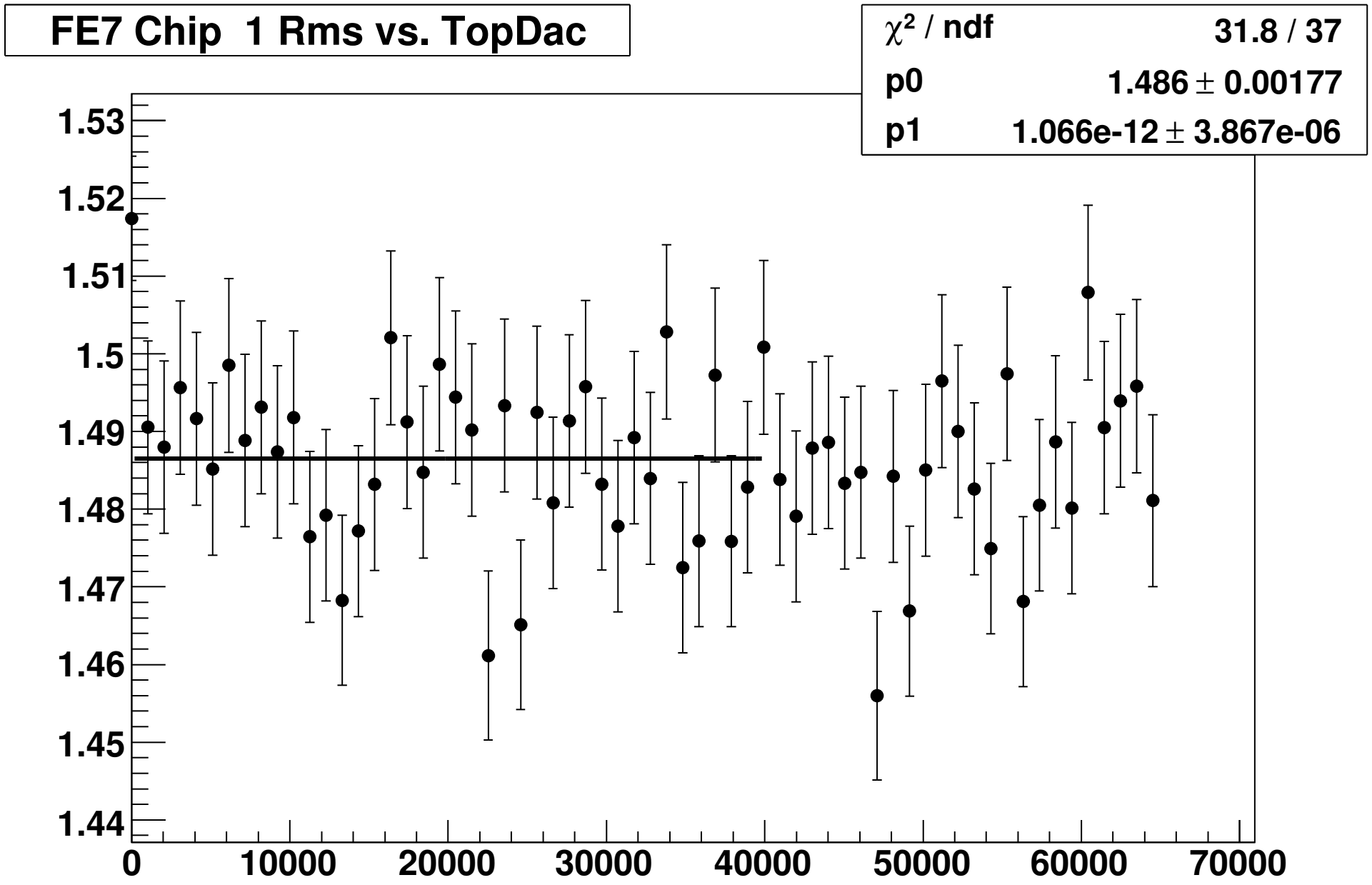
FE7 Chip 1 Rms vs. TopDac
χ² / ndf 31.8 / 37
p0 1.486 ± 0.00177
p1 1.066e-12 ± 3.867e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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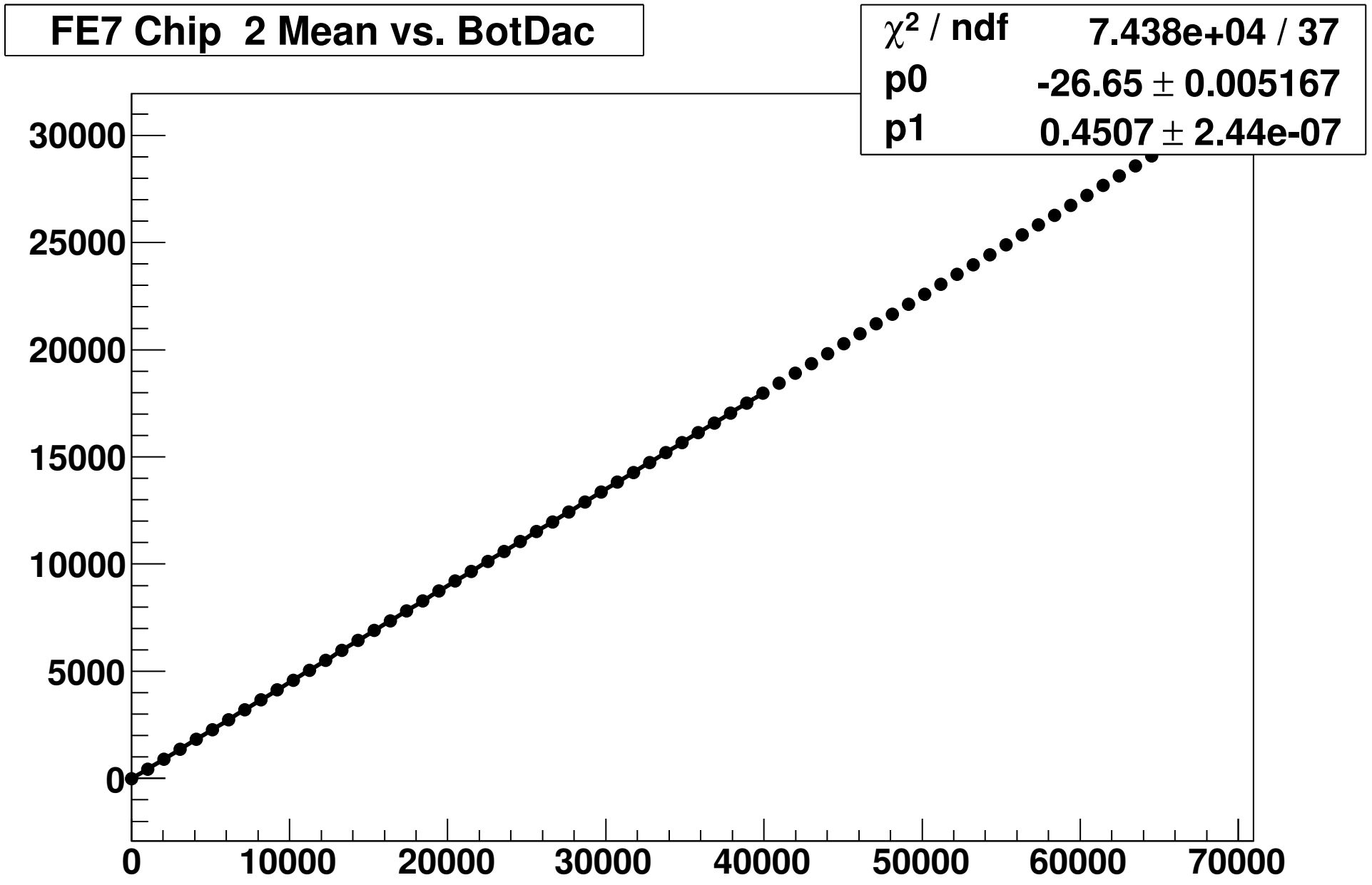
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 7.438e+04 / 37
p0 -26.65 ± 0.005167
p1 0.4507 ± 2.44e-07
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25000
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15000
10000
5000
0
0
10000
20000
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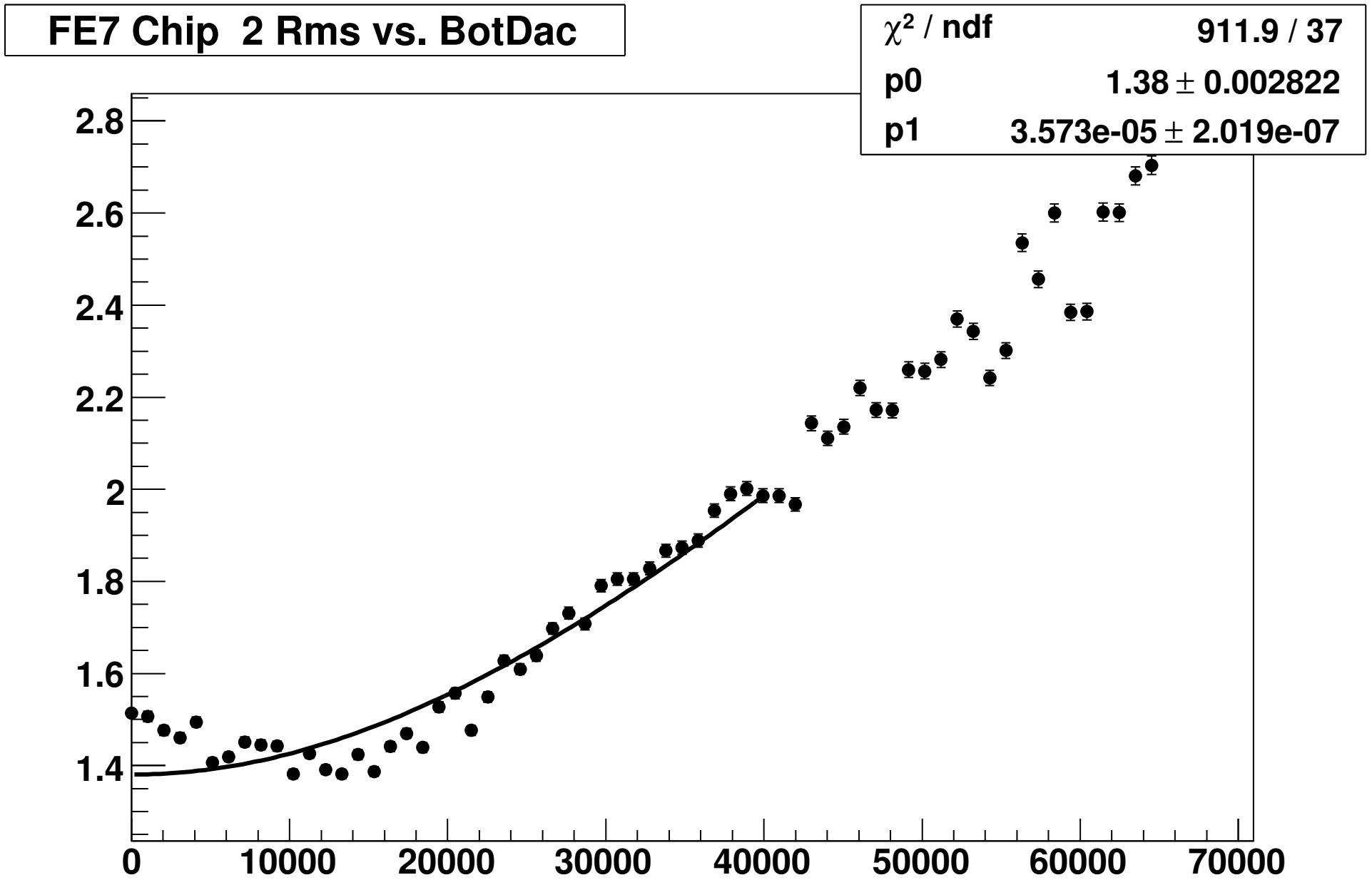
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 911.9 / 37
p0 1.38 ± 0.002822
p1 3.573e-05 ± 2.019e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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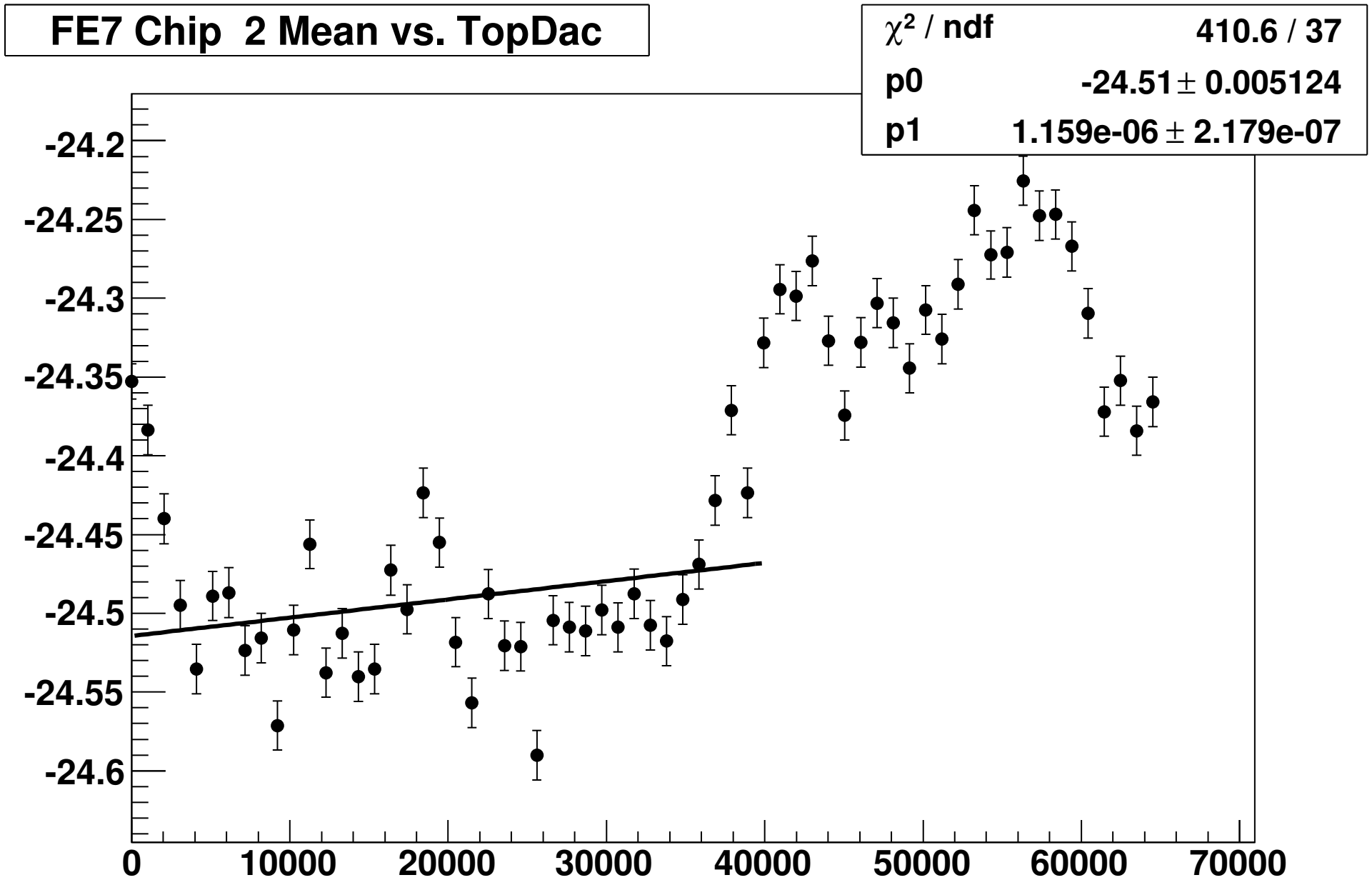
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 410.6 / 37
p0 -24.51 ± 0.005124
p1 1.159e-06 ± 2.179e-07
-24.2
-24.25
-24.3
-24.35
-24.4
-24.45
-24.5
-24.55
-24.6
0
10000
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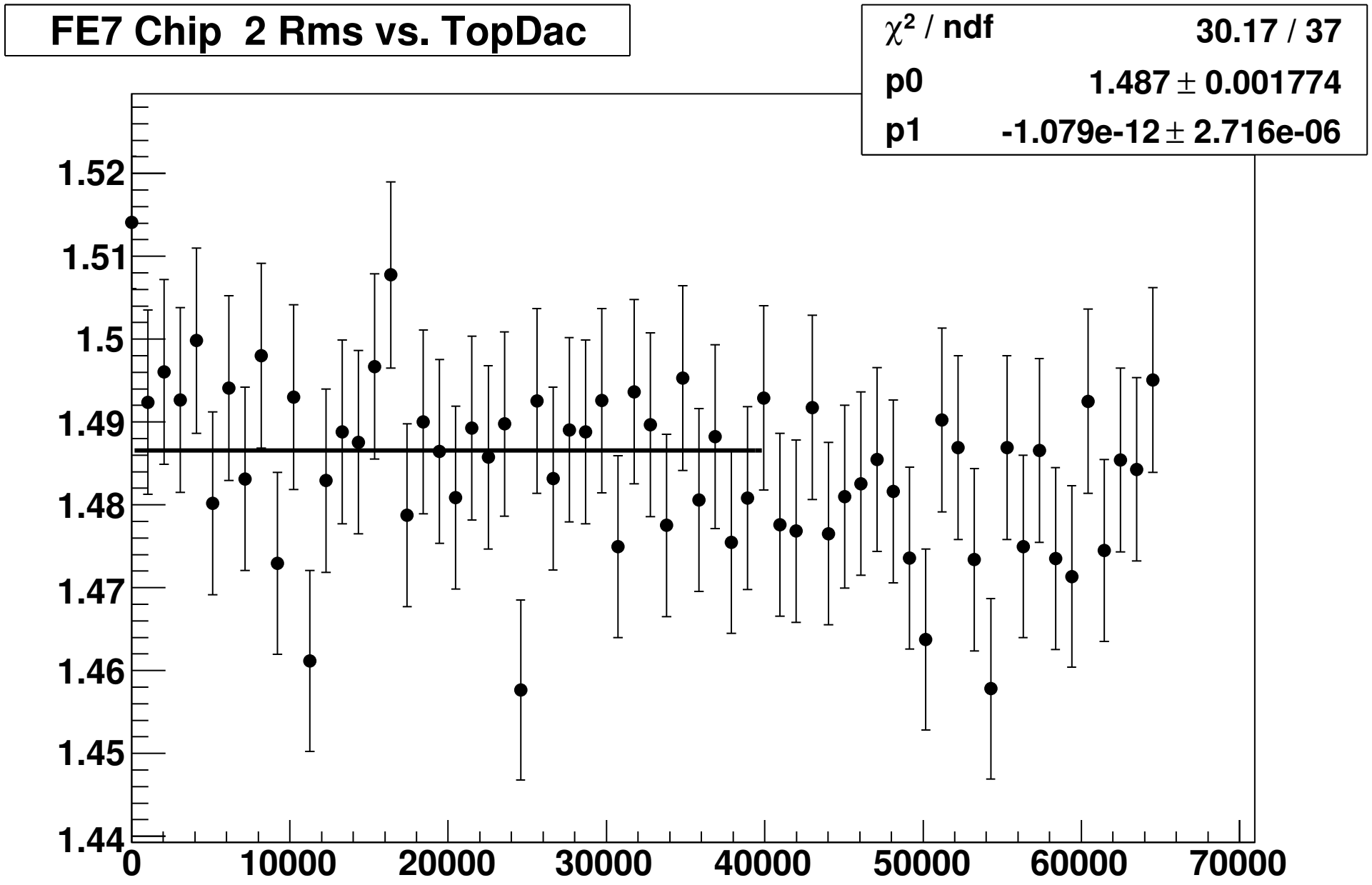
FE7 Chip 2 Rms vs. TopDac
χ² / ndf 30.17 / 37
p0 1.487 ± 0.001774
p1 -1.079e-12 ± 2.716e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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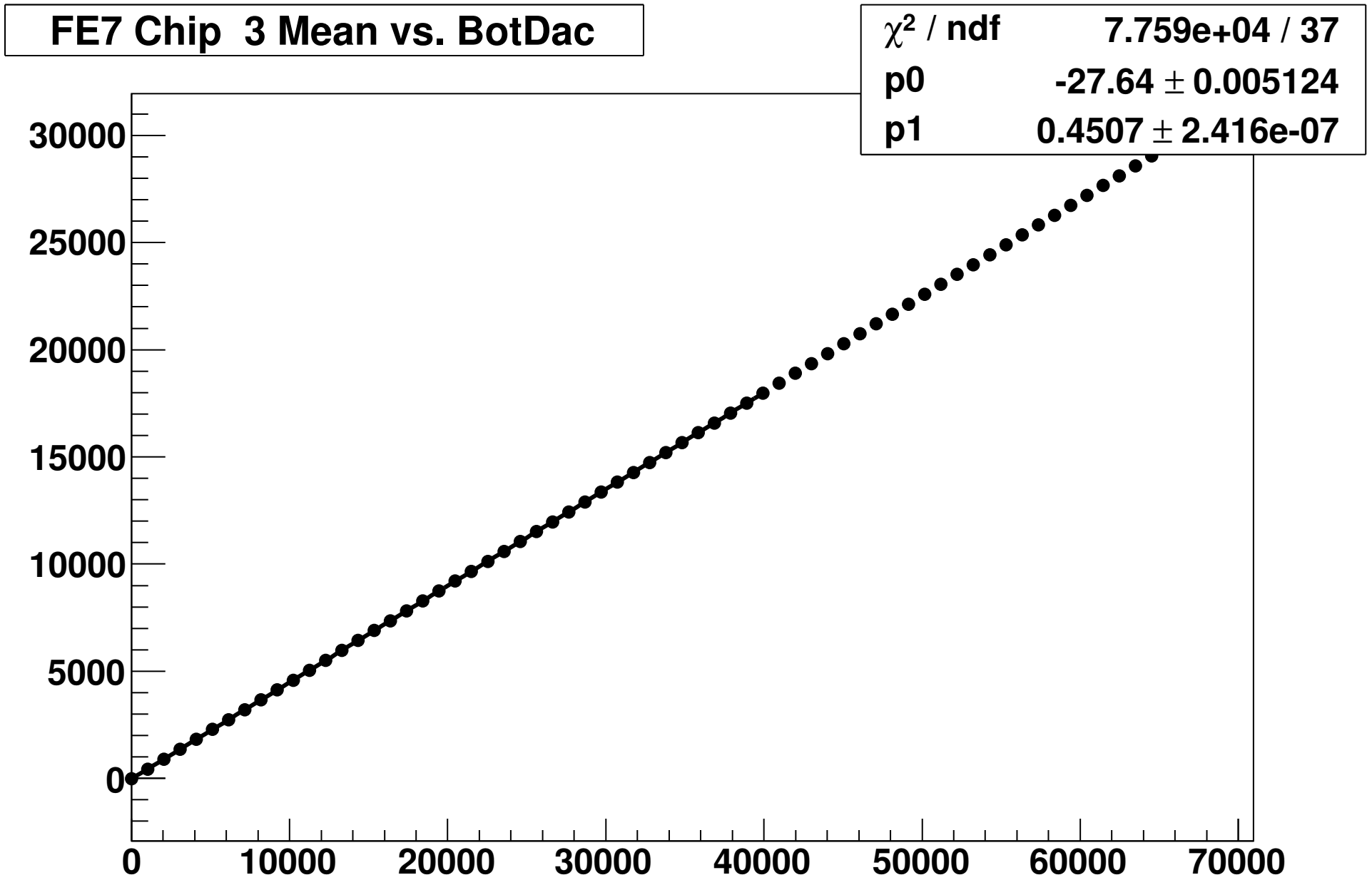
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 7.759e+04 / 37
p0 -27.64 ± 0.005124
p1 0.4507 ± 2.416e-07
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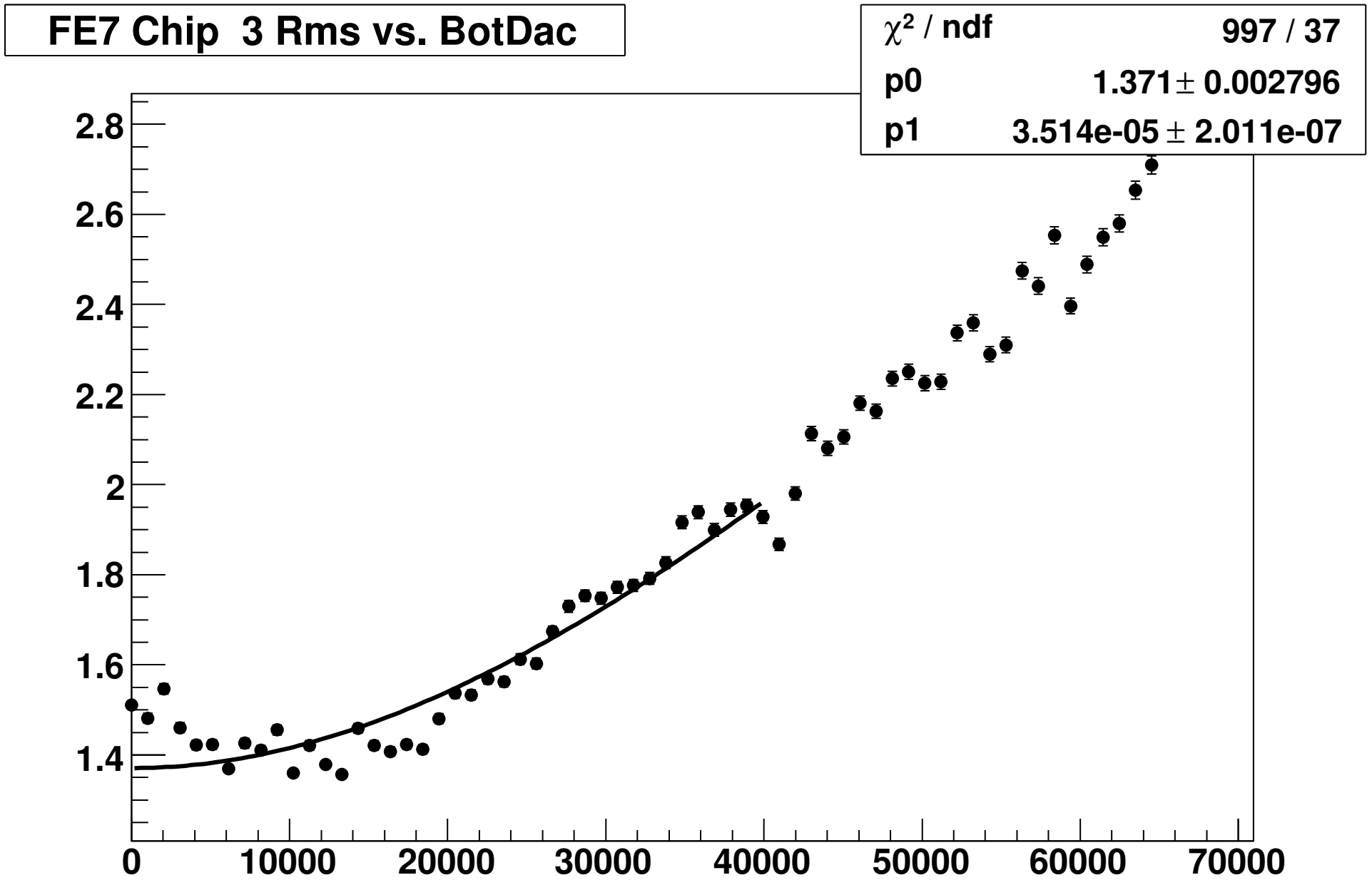
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 997 / 37
p0 1.371 ± 0.002796
p1 3.514e-05 ± 2.011e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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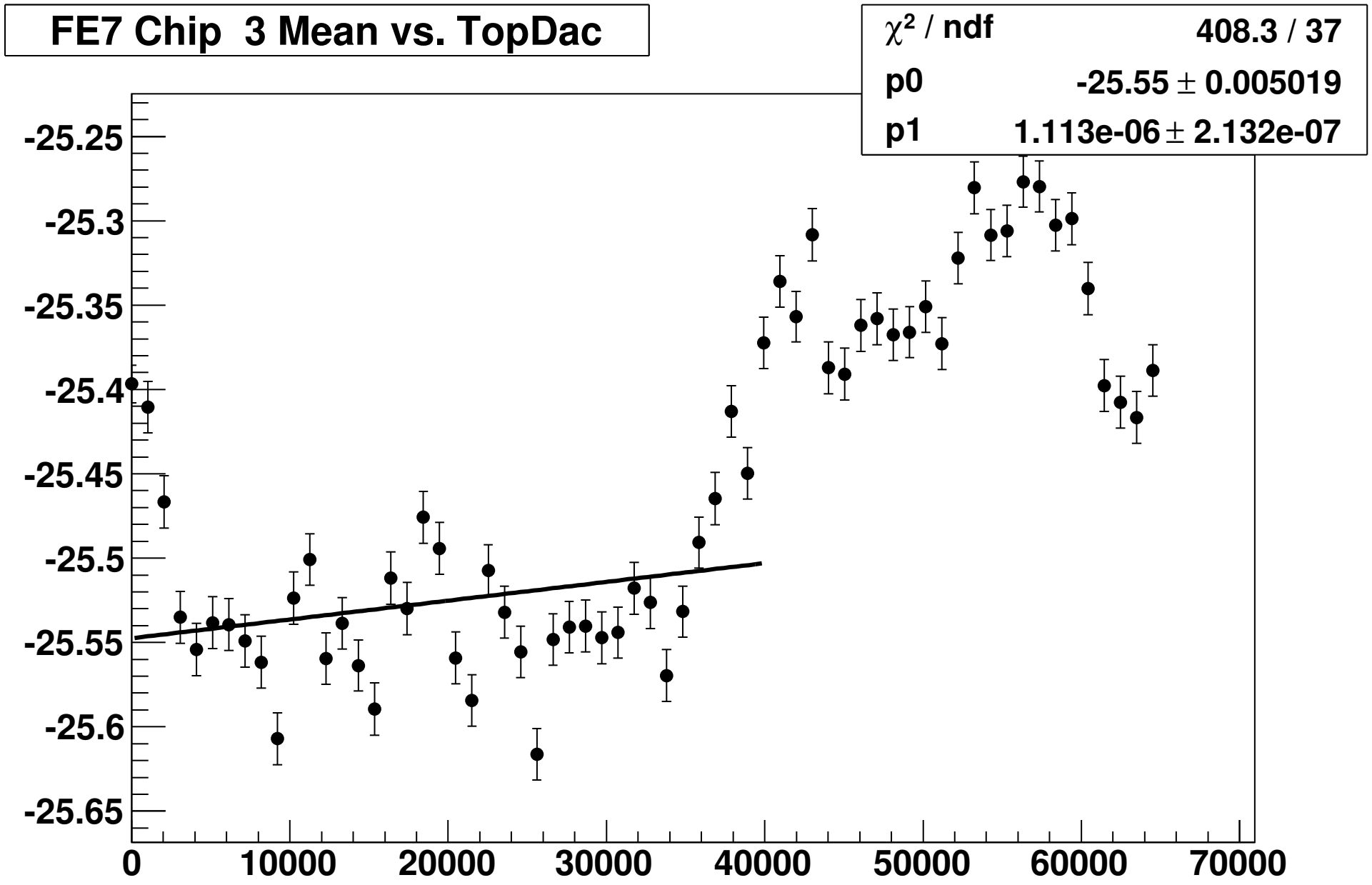
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 408.3 / 37
p0 -25.55 ± 0.005019
p1 1.113e-06 ± 2.132e-07
-25.25
-25.3
-25.35
-25.4
-25.45
-25.5
-25.55
-25.6
-25.65
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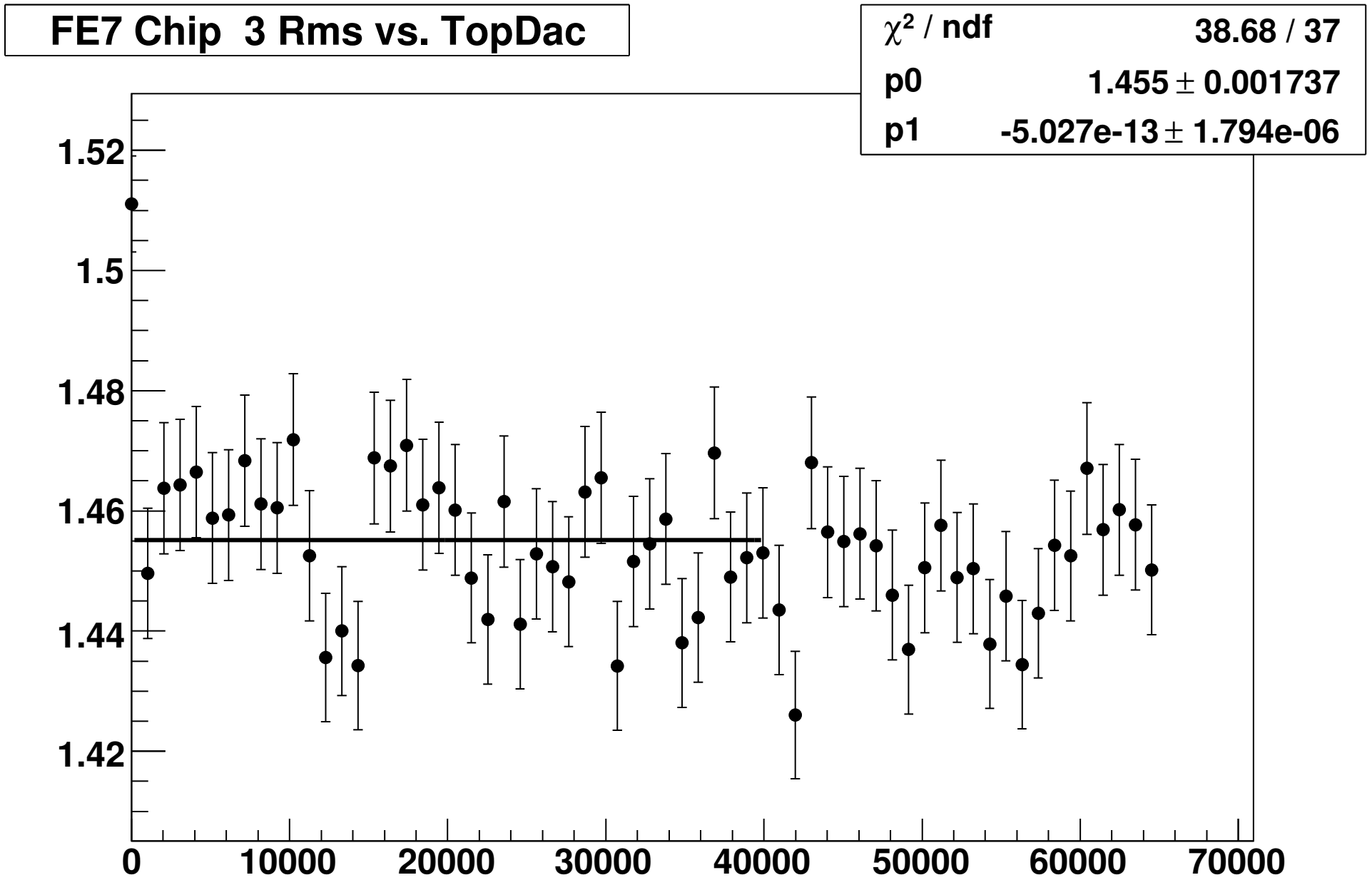
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 38.68 / 37
p0 1.455 ± 0.001737
p1 -5.027e-13 ± 1.794e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
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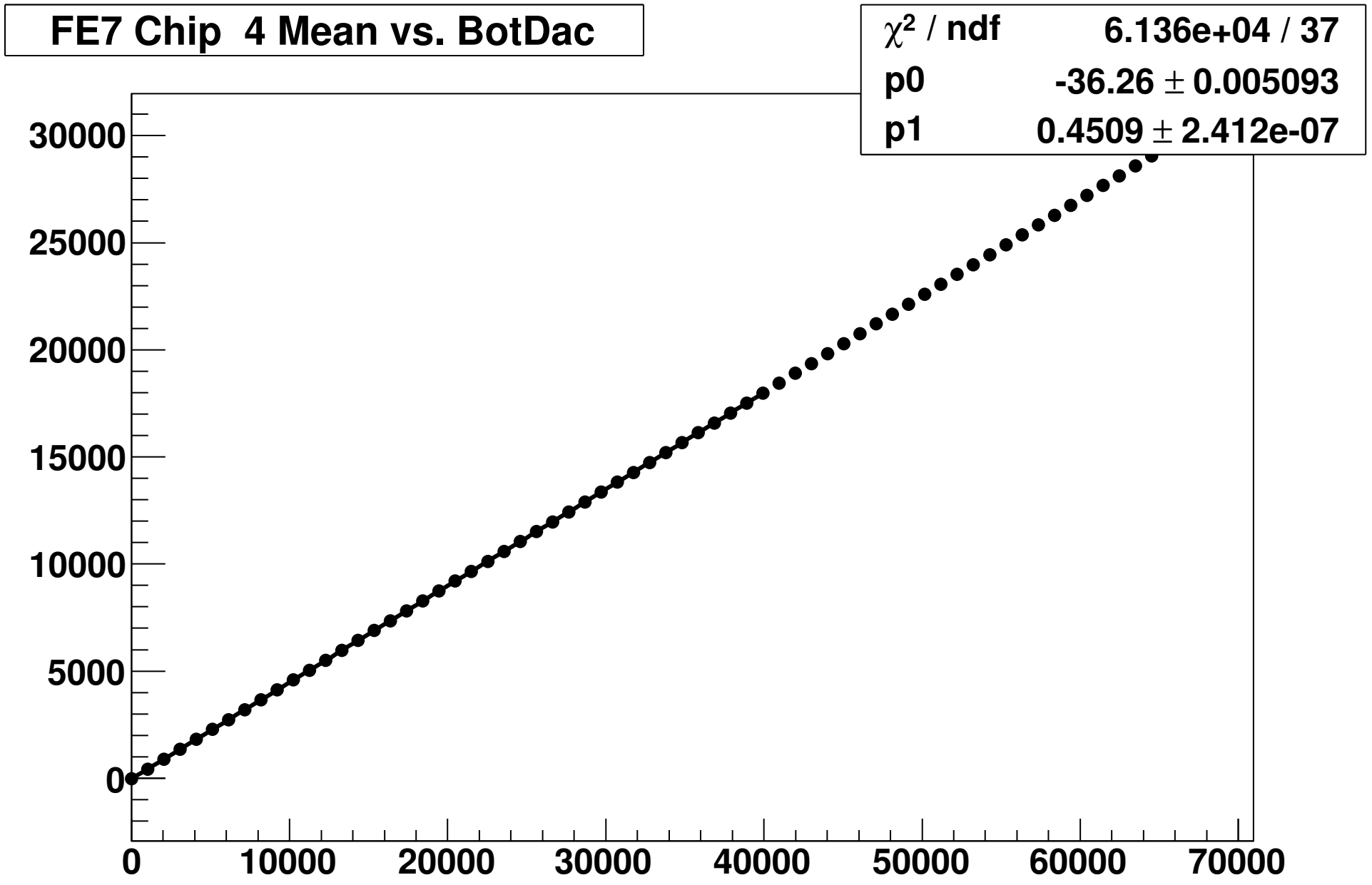
FE7 Chip 4 Mean vs. BotDac
χ² / ndf 6.136e+04 / 37
p0 -36.26 ± 0.005093
p1 0.4509 ± 2.412e-07
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25000
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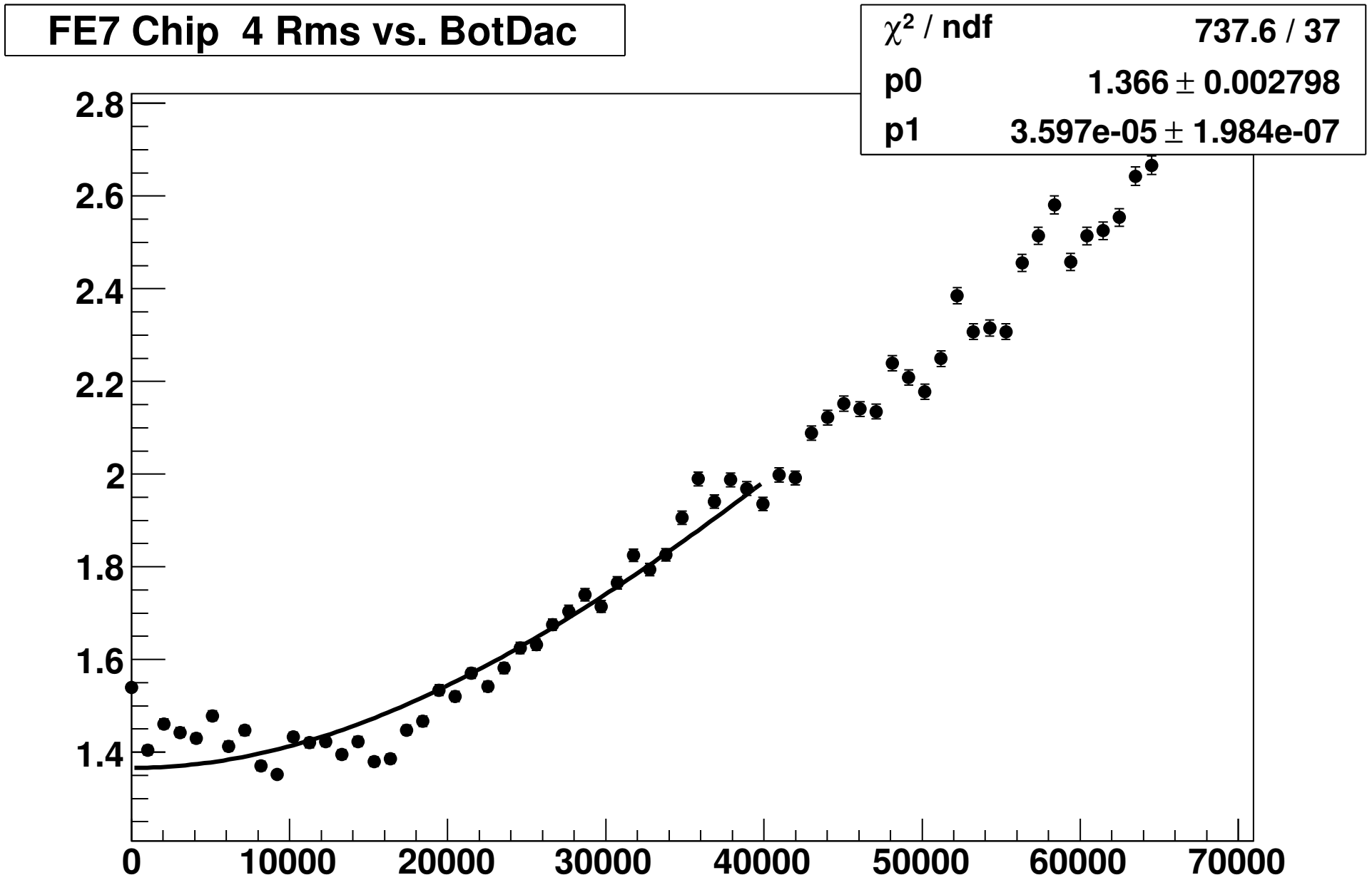
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 737.6 / 37
p0 1.366 ± 0.002798
p1 3.597e-05 ± 1.984e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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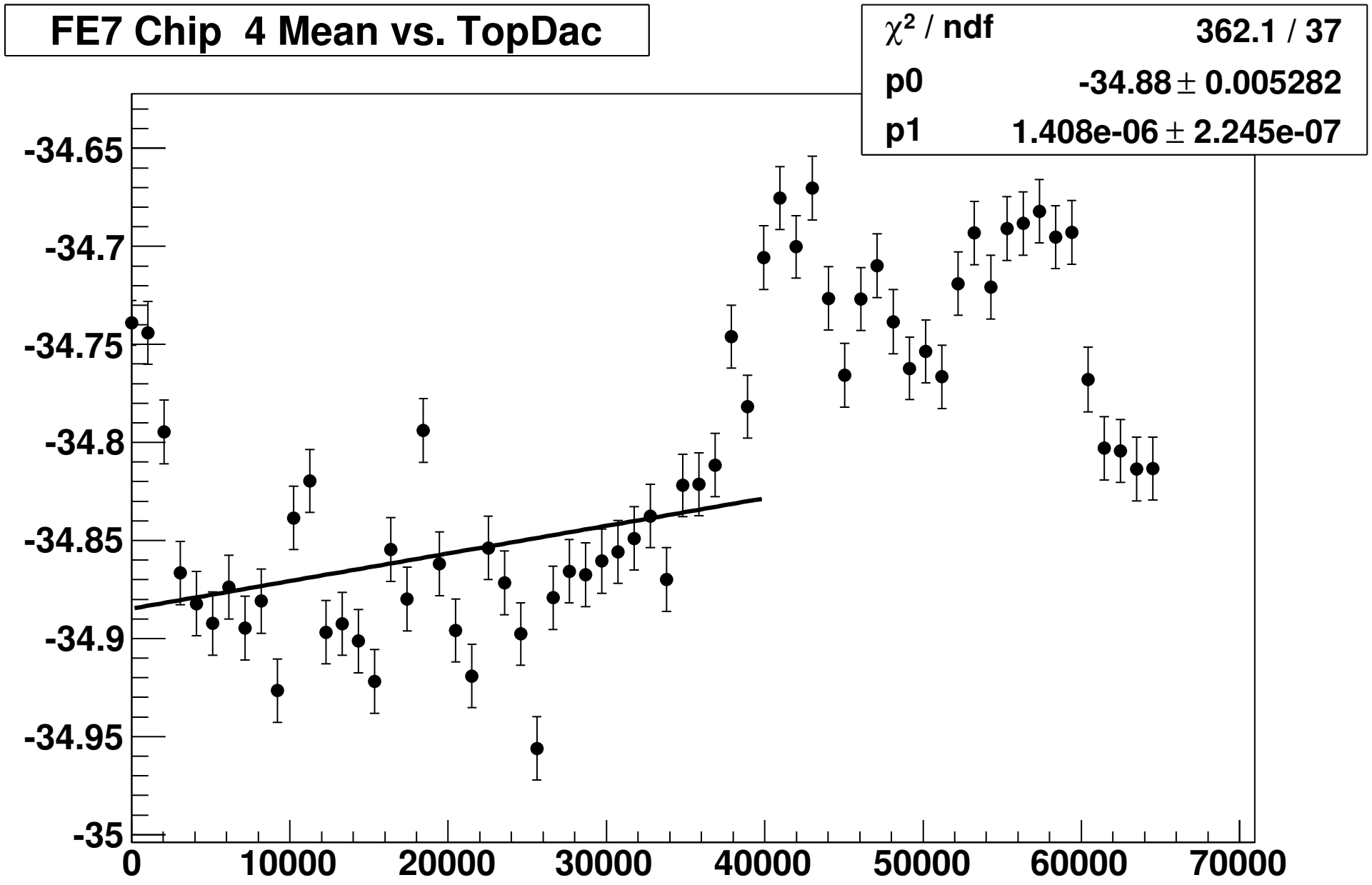
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 362.1 / 37
p0 -34.88 ± 0.005282
p1 1.408e-06 ± 2.245e-07
-34.65
-34.7
-34.75
-34.8
-34.85
-34.9
-34.95
-35
0
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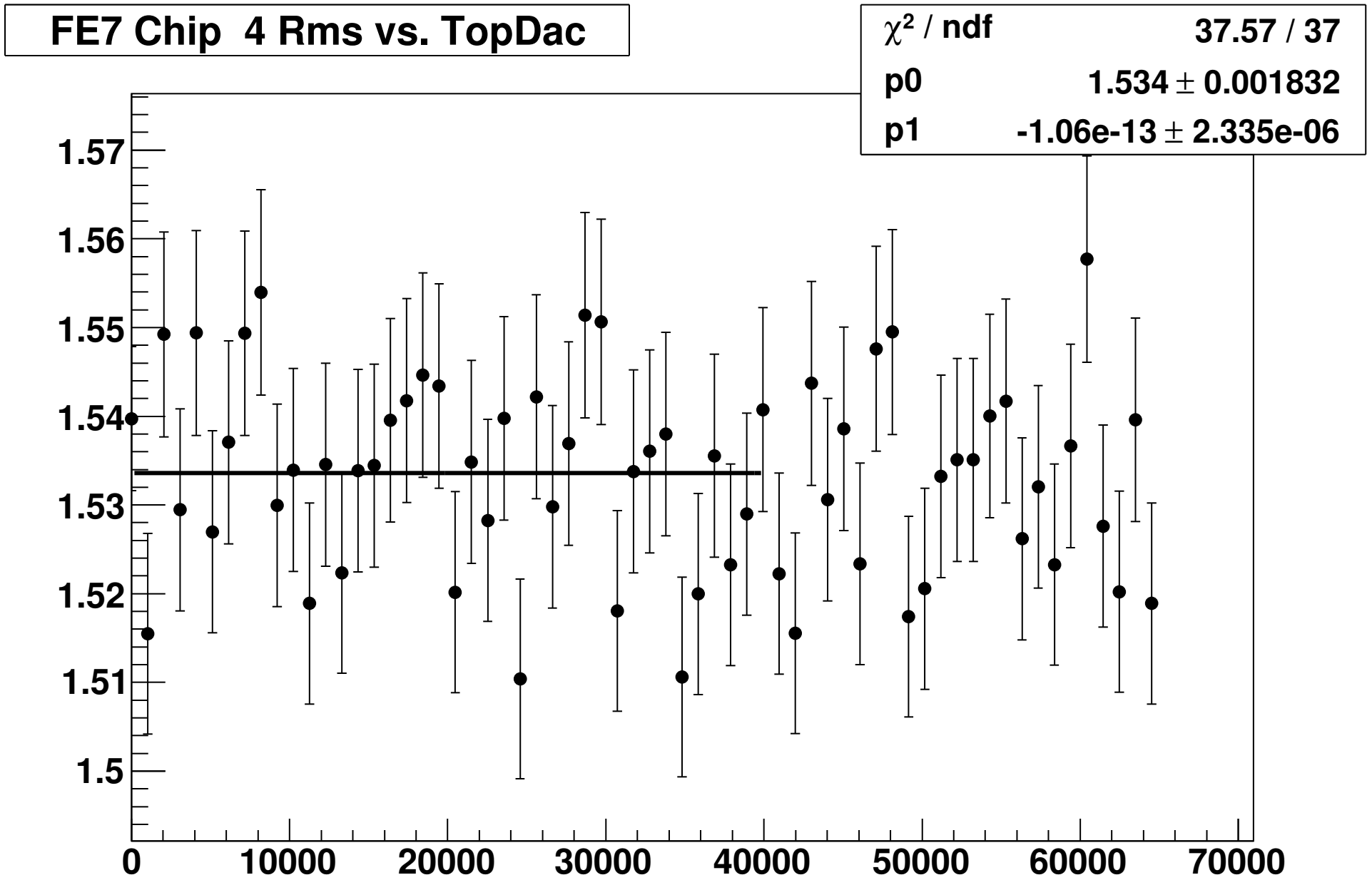
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 37.57 / 37
p0 1.534 ± 0.001832
p1 -1.06e-13 ± 2.335e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
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20000
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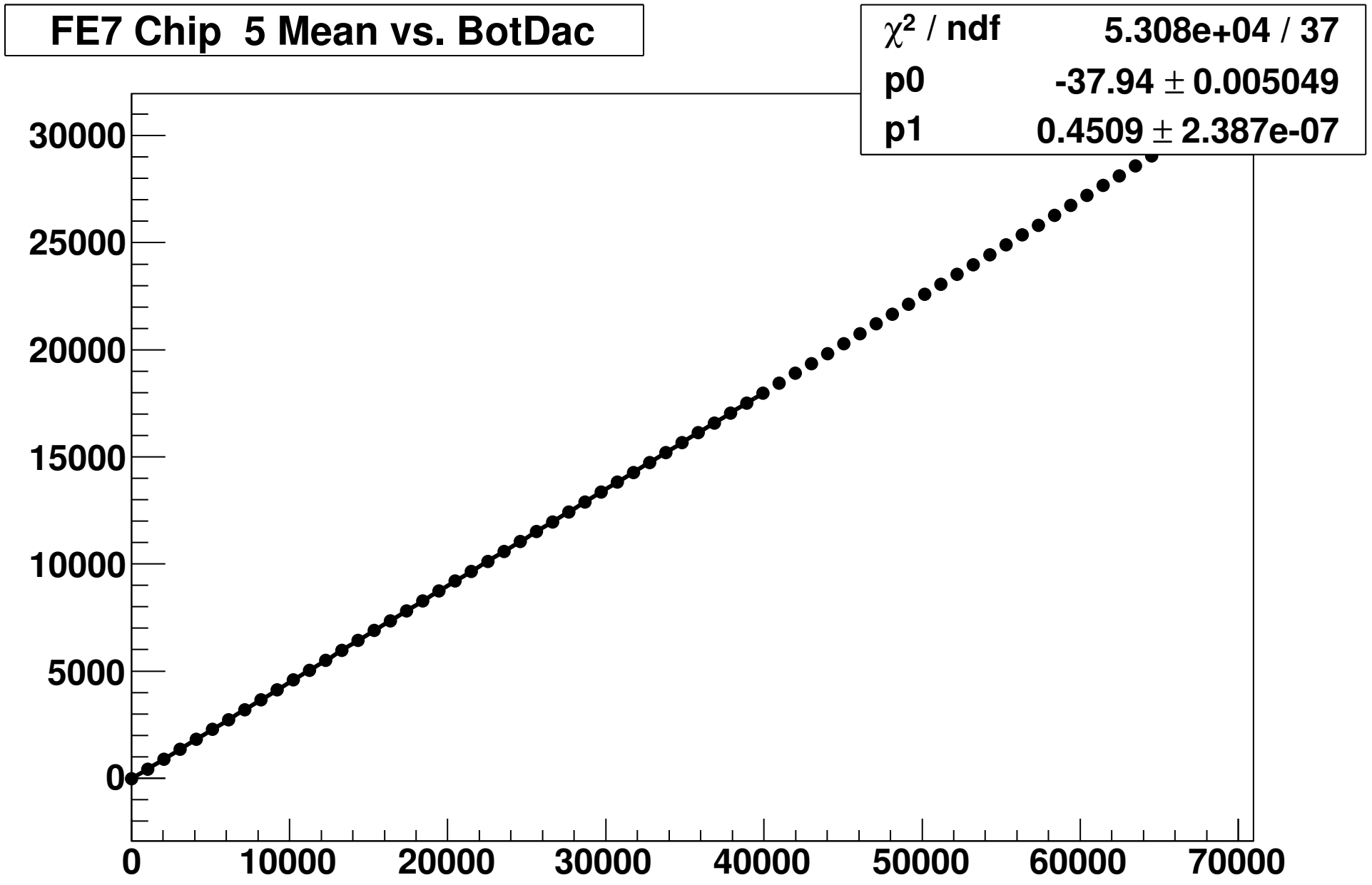
FE7 Chip 5 Mean vs. BotDac
χ² / ndf 5.308e+04 / 37
p0 -37.94 ± 0.005049
p1 0.4509 ± 2.387e-07
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25000
20000
15000
10000
5000
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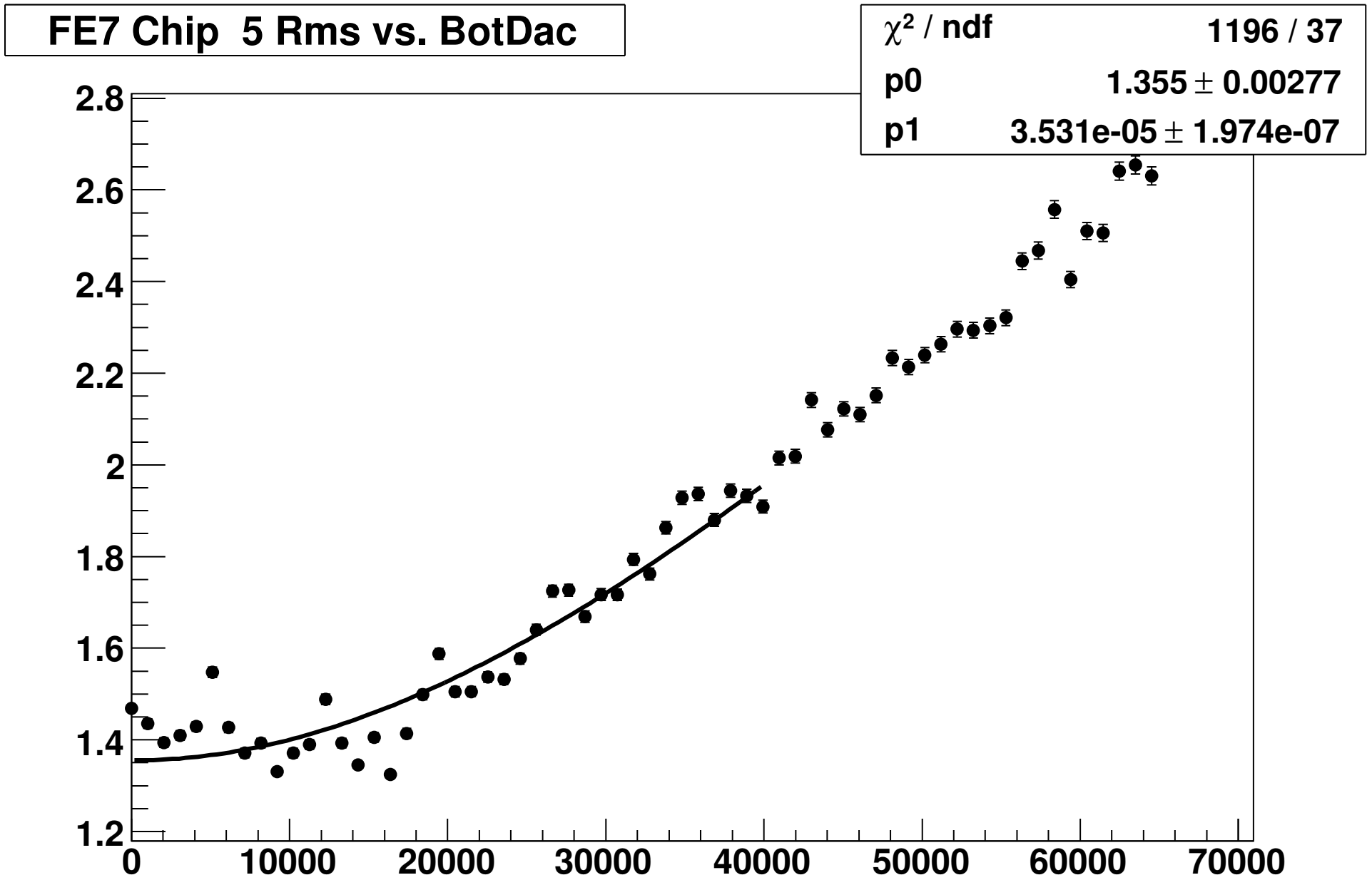
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1196 / 37
p0 1.355 ± 0.00277
p1 3.531e-05 ± 1.974e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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10000
20000
30000
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50000
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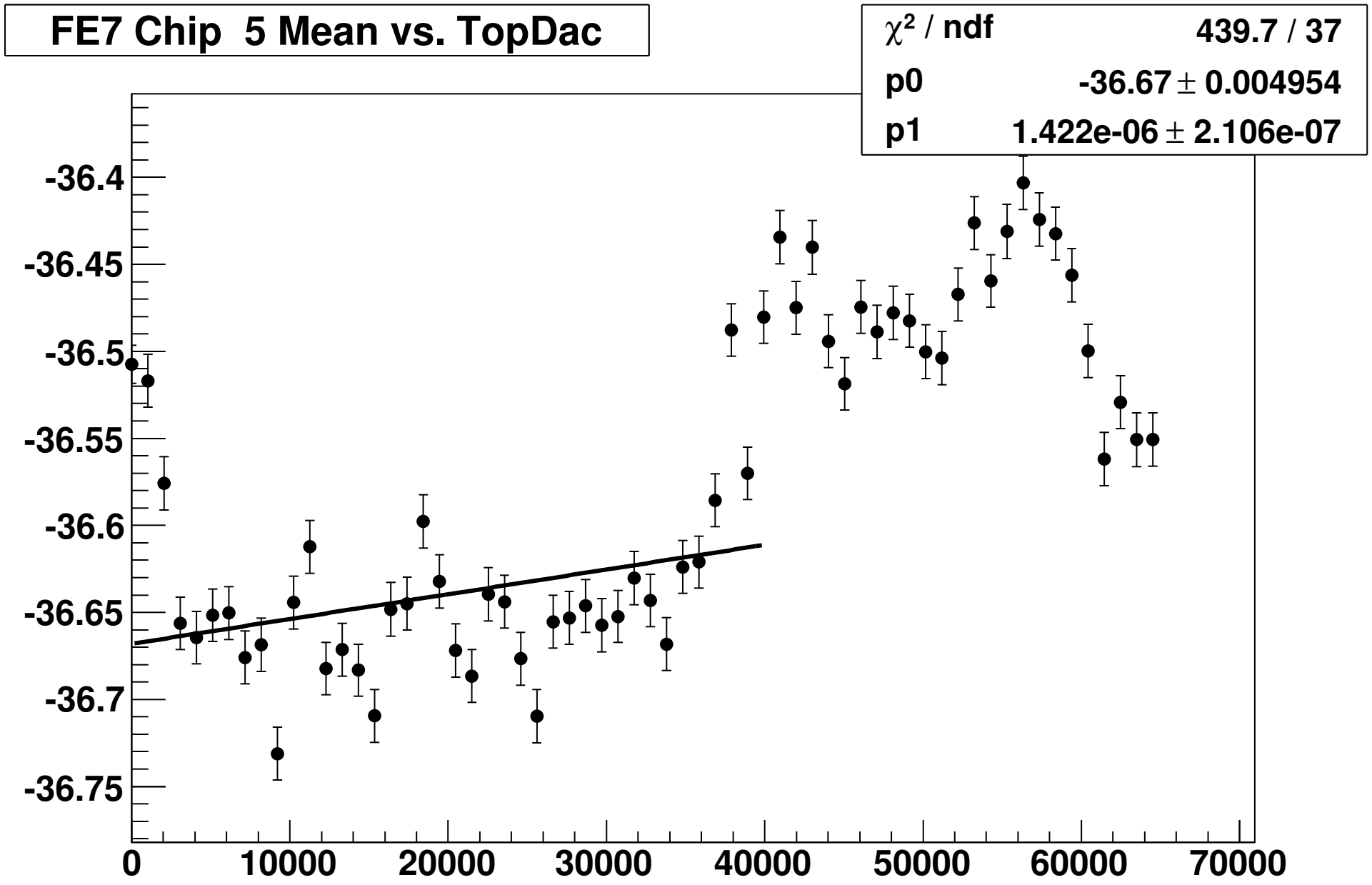
FE7 Chip 5 Mean vs. TopDac
χ² / ndf 439.7 / 37
p0 -36.67 ± 0.004954
p1 1.422e-06 ± 2.106e-07
-36.4
-36.45
-36.5
-36.55
-36.6
-36.65
-36.7
-36.75
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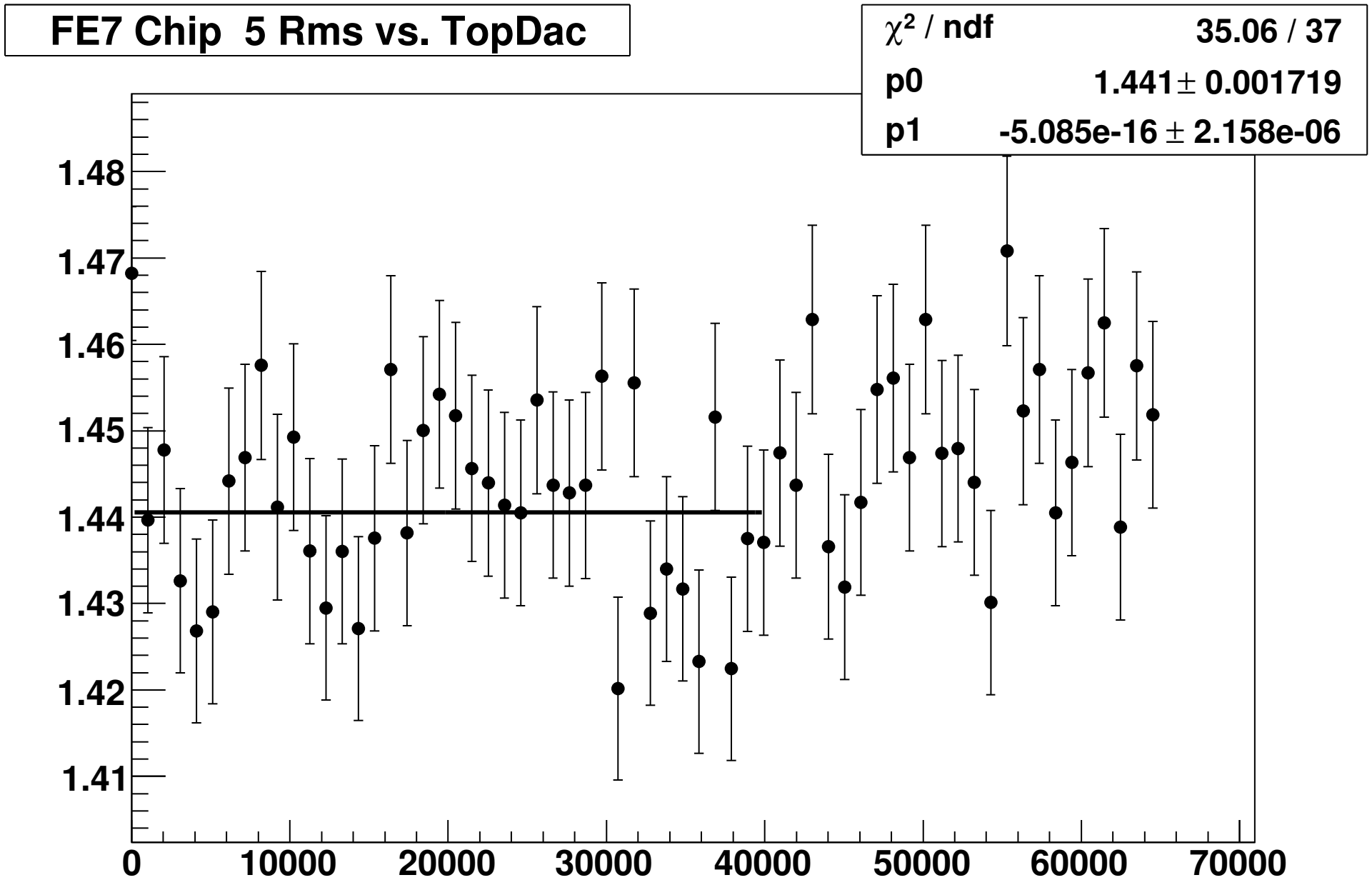
70000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 35.06 / 37
p0 1.441 ± 0.001719
p1 -5.085e-16 ± 2.158e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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20000
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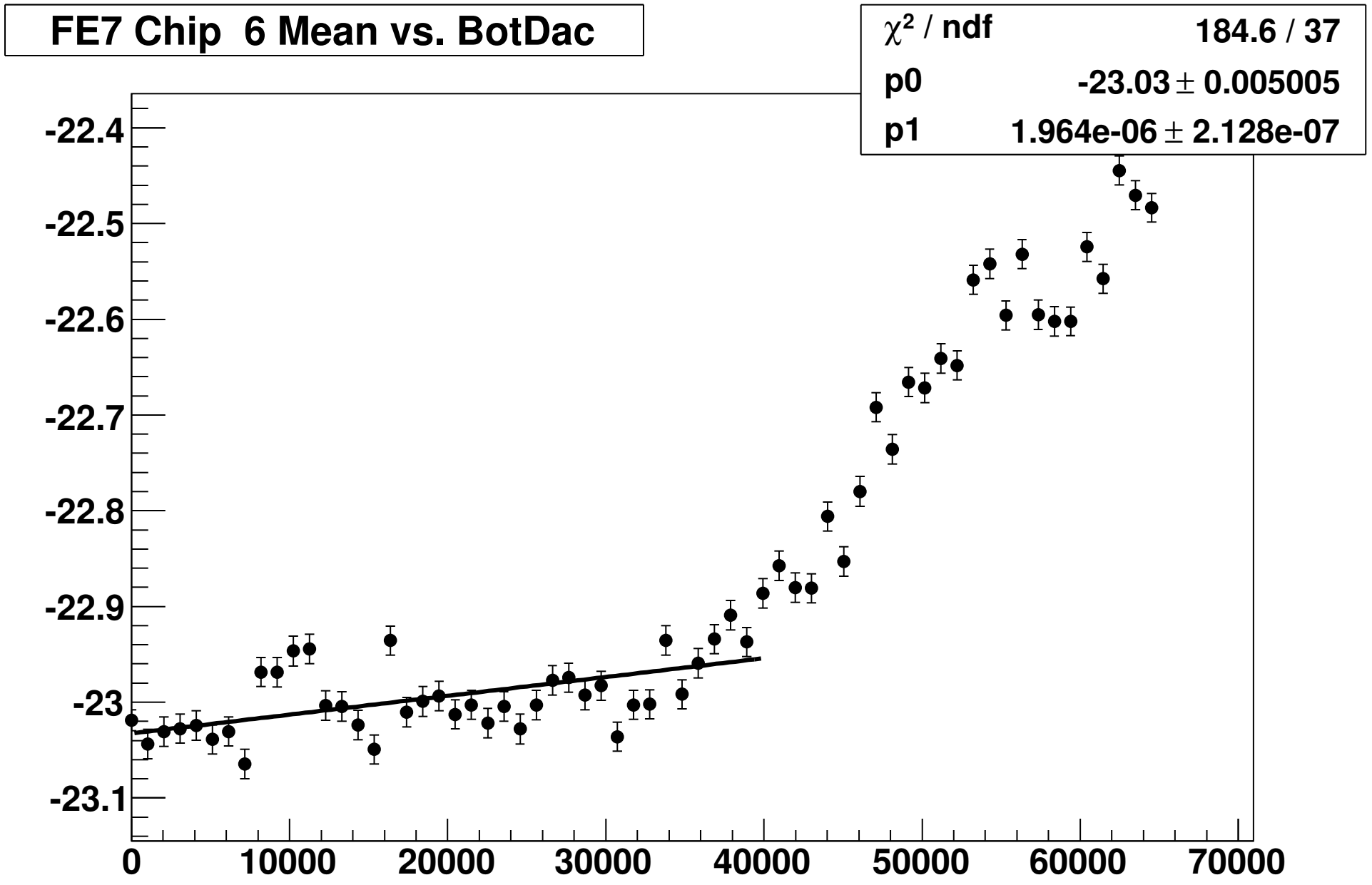
FE7 Chip 6 Mean vs. BotDac
χ² / ndf 184.6 / 37
p0 -23.03 ± 0.005005
p1 1.964e-06 ± 2.128e-07
-22.4
-22.5
-22.6
-22.7
-22.8
-22.9
-23
-23.1
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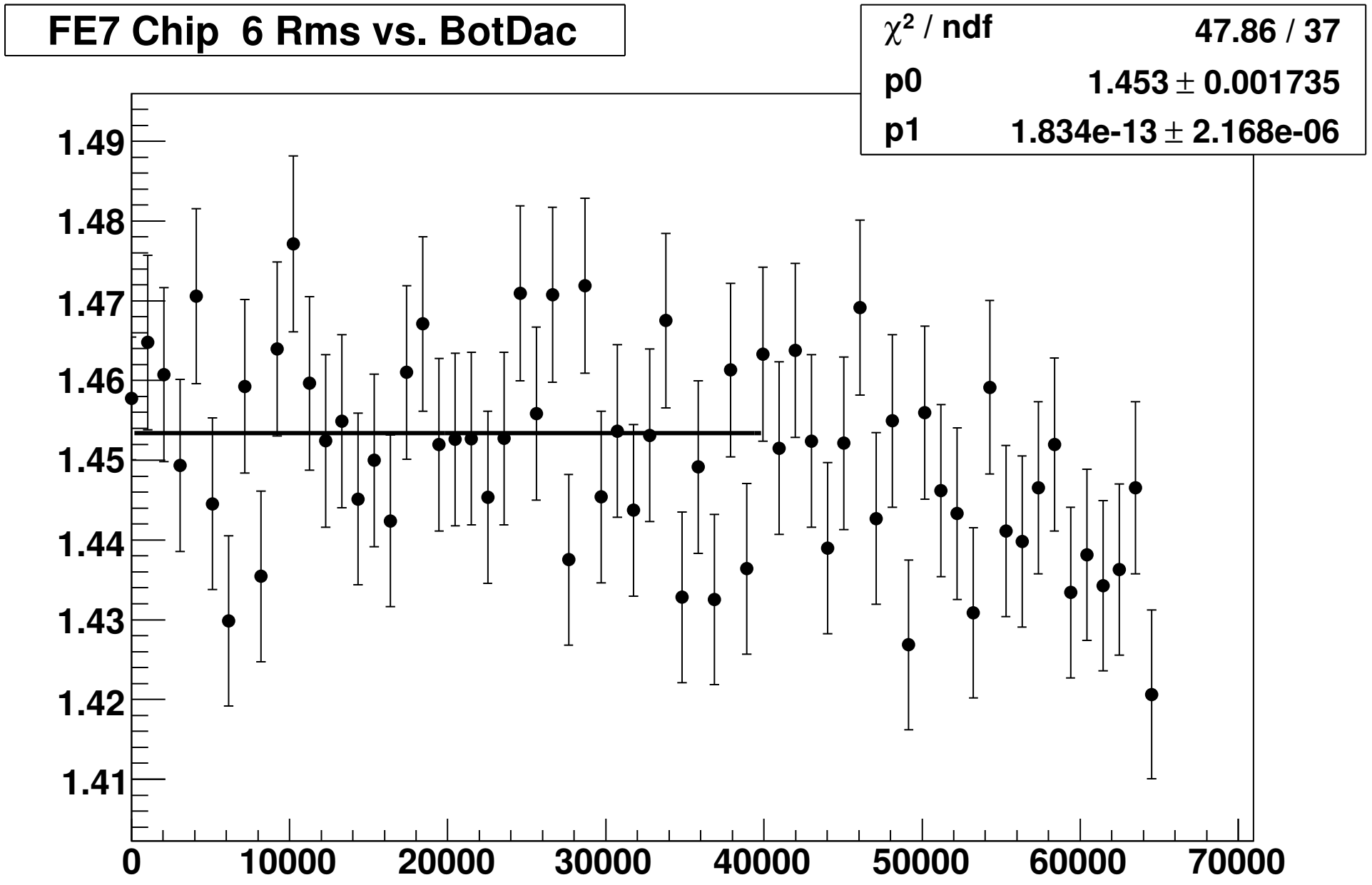
FE7 Chip 6 Rms vs. BotDac
χ² / ndf 47.86 / 37
p0 1.453 ± 0.001735
p1 1.834e-13 ± 2.168e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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50000
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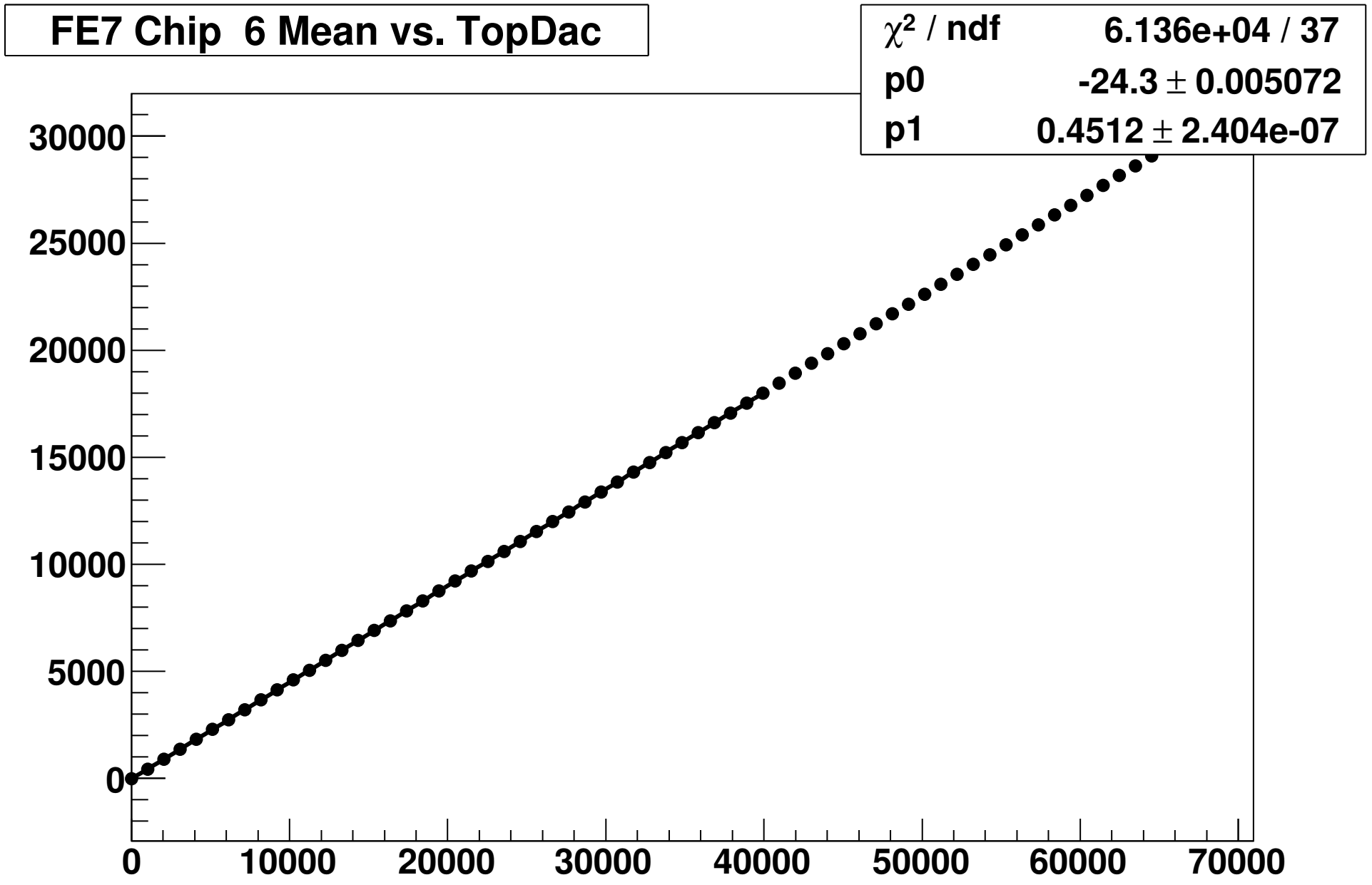
FE7 Chip 6 Mean vs. TopDac
χ² / ndf 6.136e+04 / 37
p0 -24.3 ± 0.005072
p1 0.4512 ± 2.404e-07
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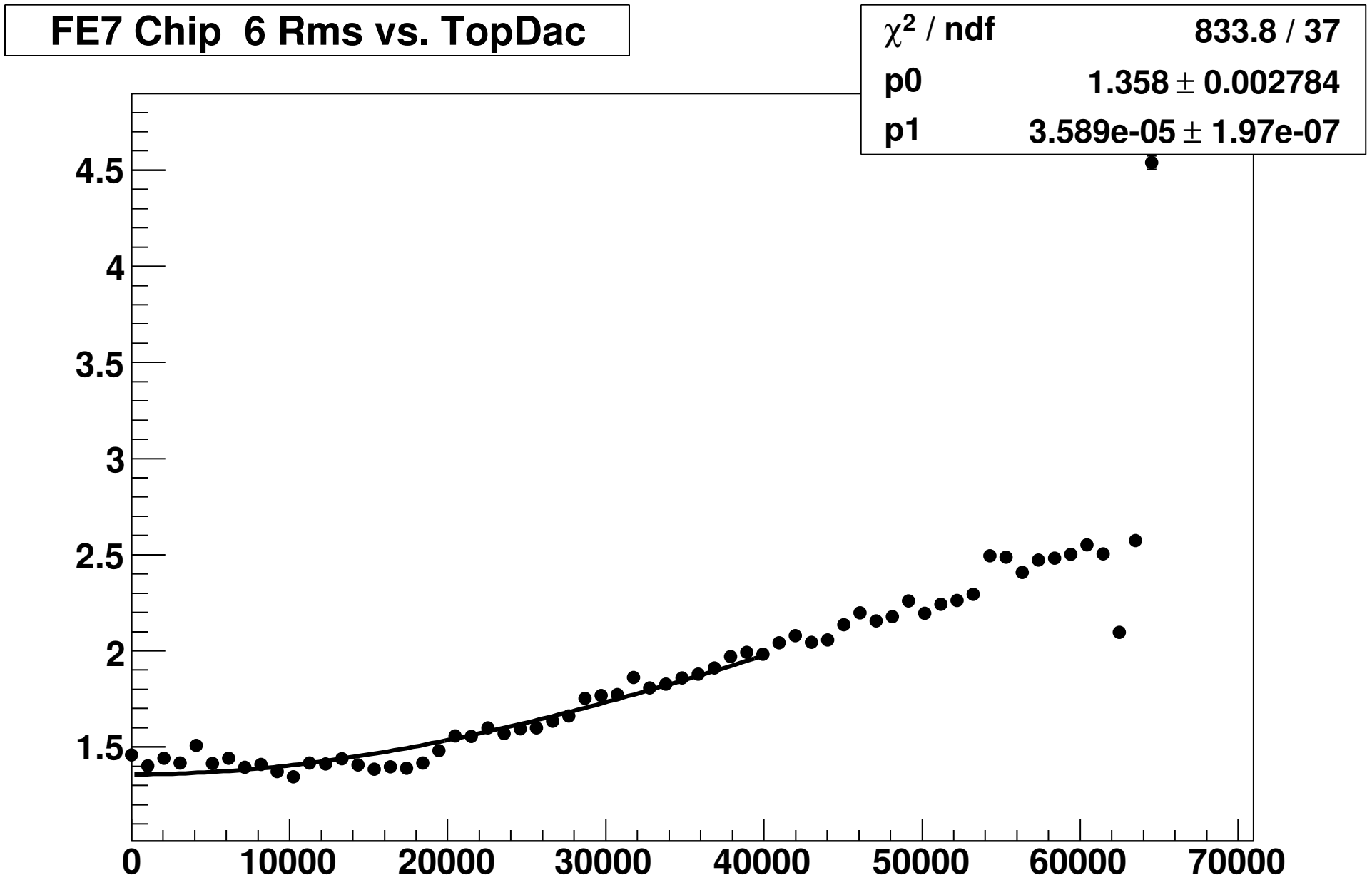
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 833.8 / 37
p0 1.358 ± 0.002784
p1 3.589e-05 ± 1.97e-07
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
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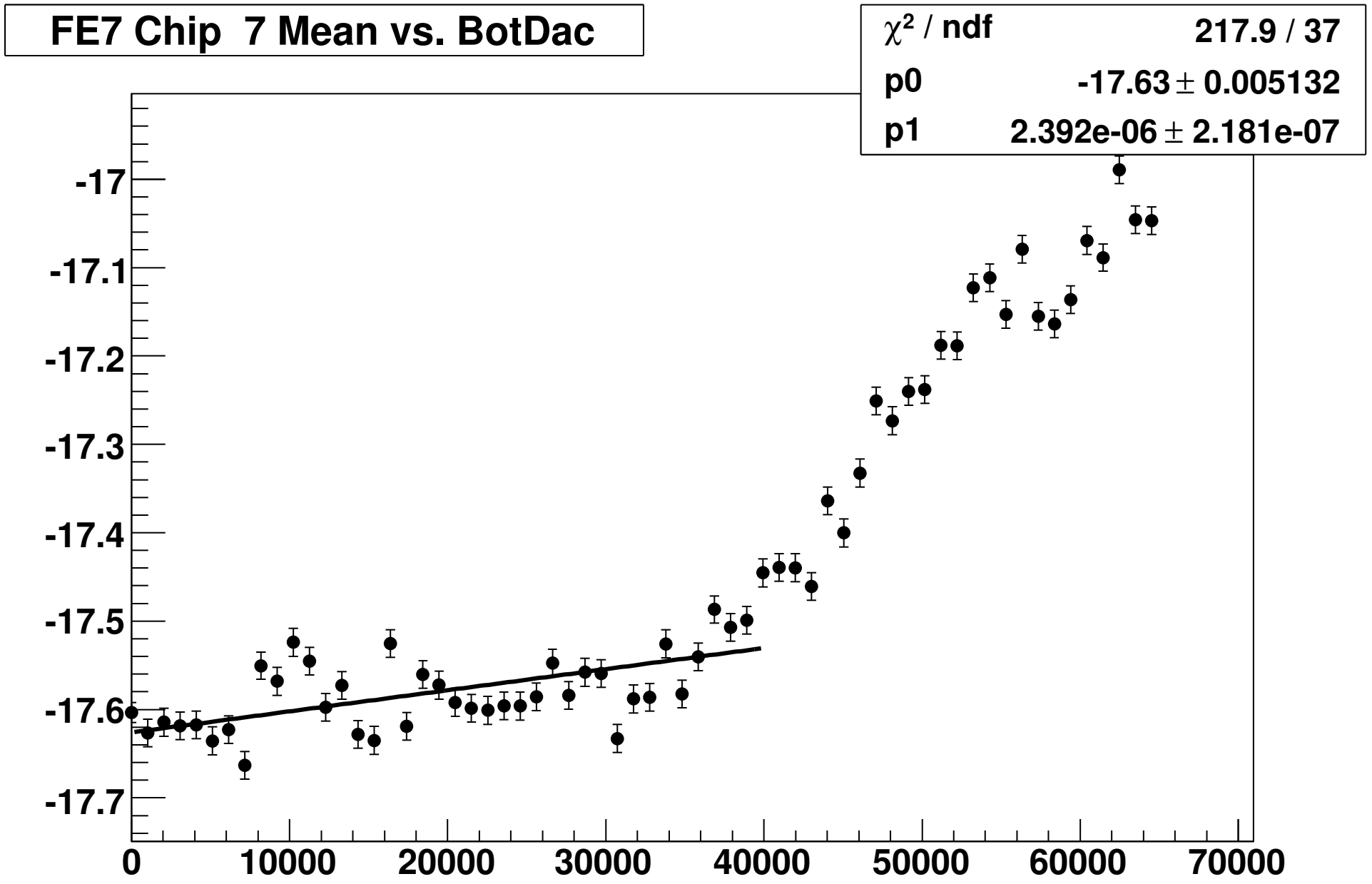
FE7 Chip 7 Mean vs. BotDac
χ² / ndf 217.9 / 37
p0 -17.63 ± 0.005132
p1 2.392e-06 ± 2.181e-07
-17
-17.1
-17.2
-17.3
-17.4
-17.5
-17.6
-17.7
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10000
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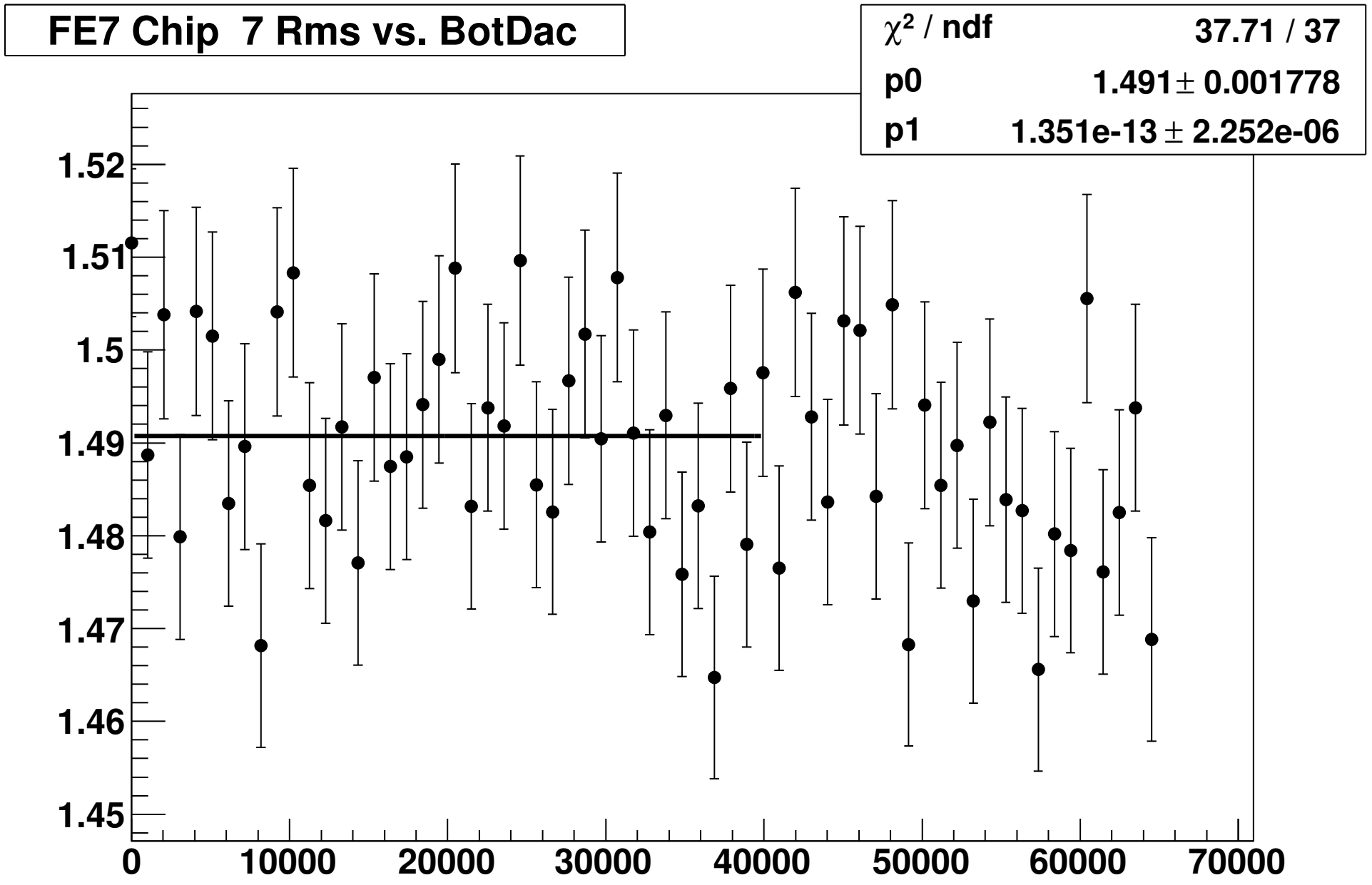
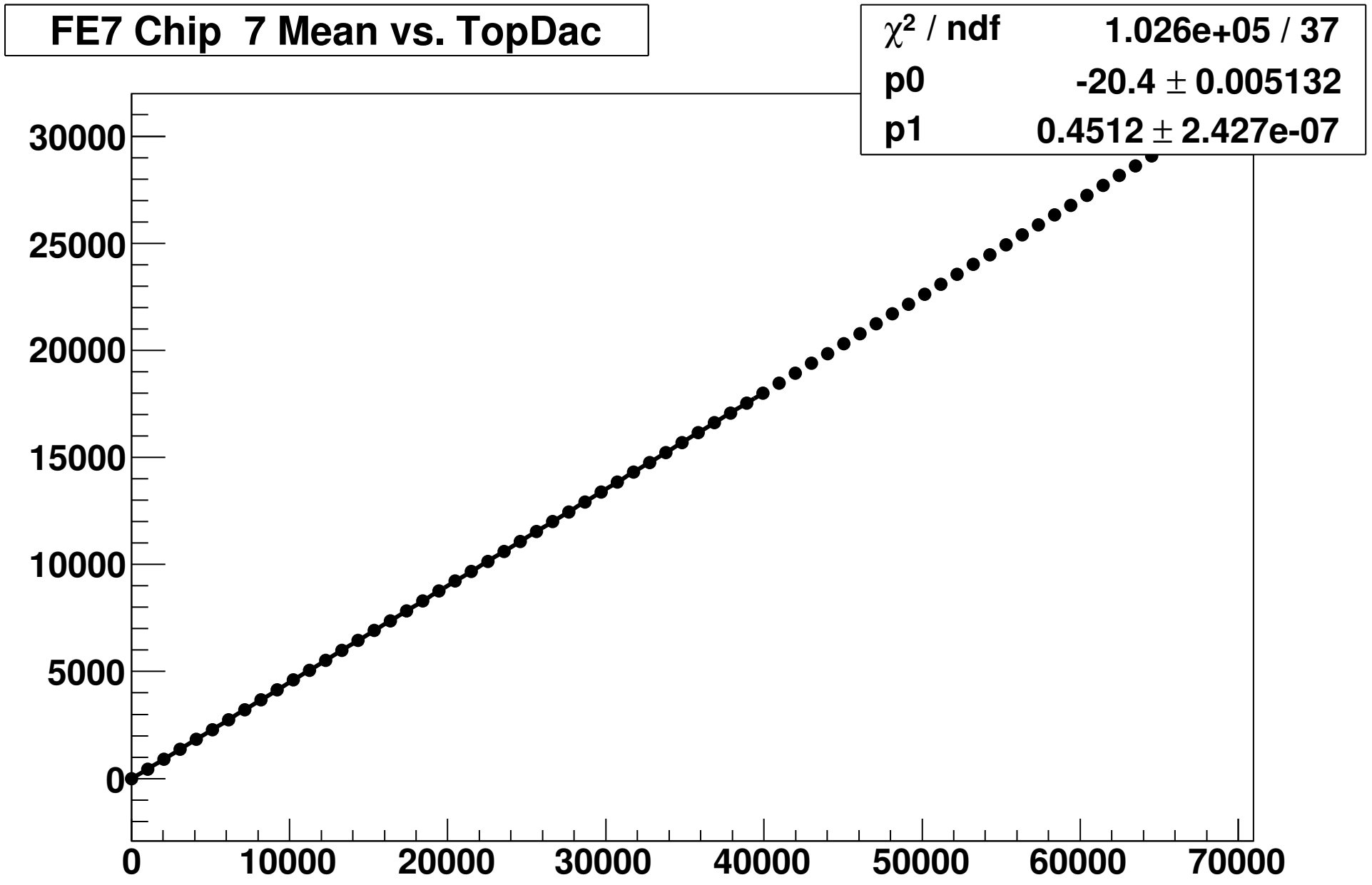
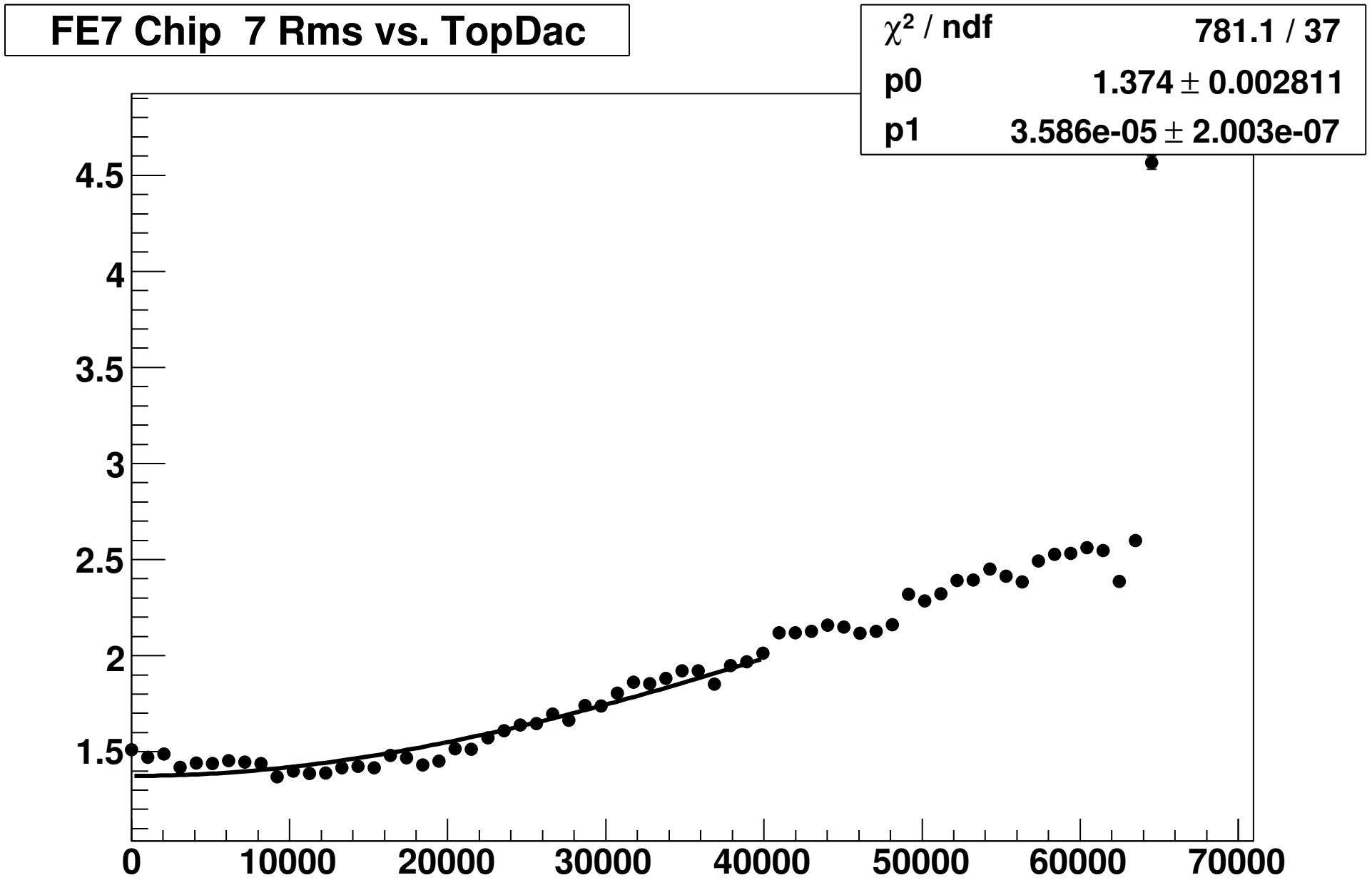
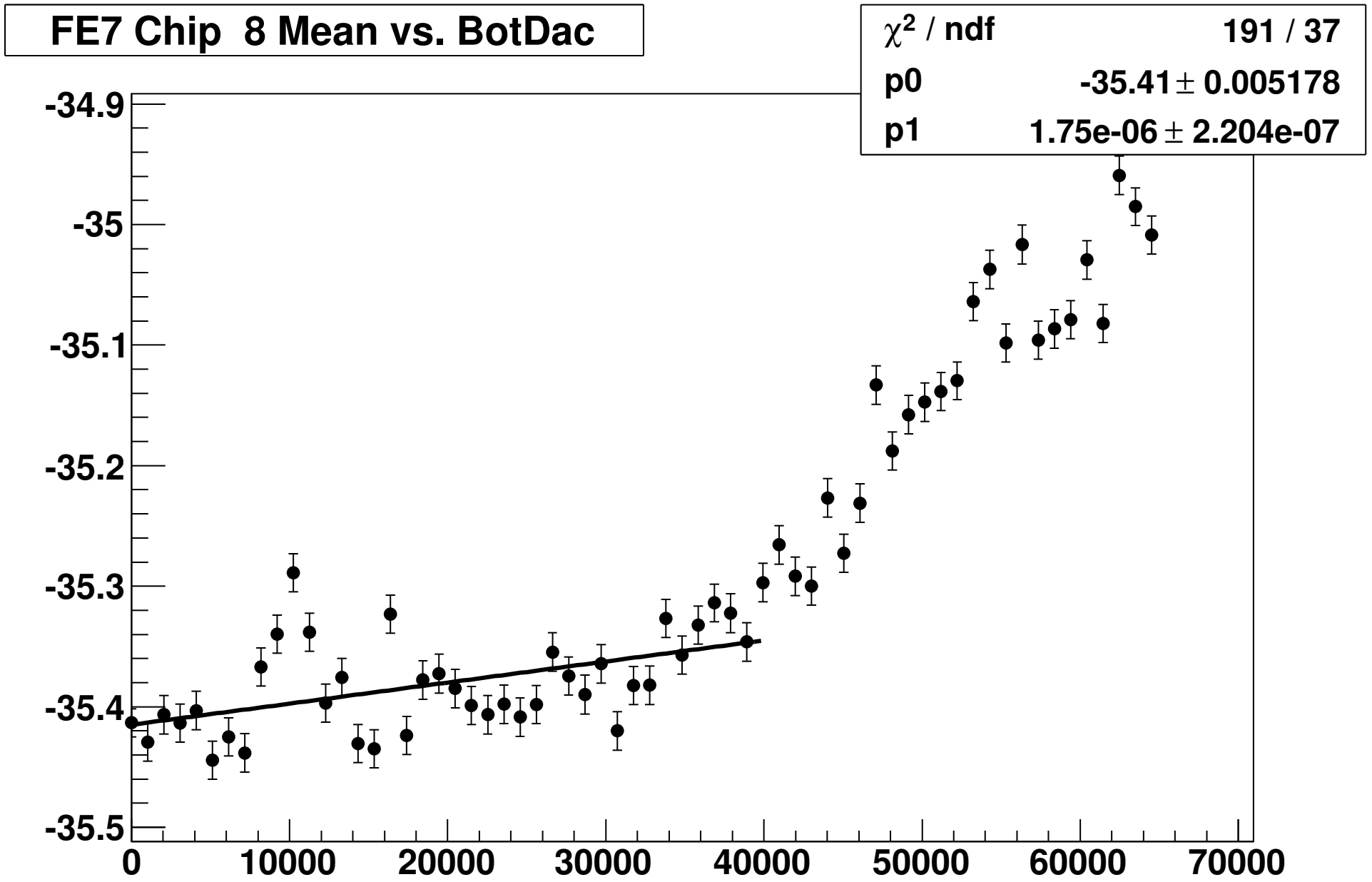
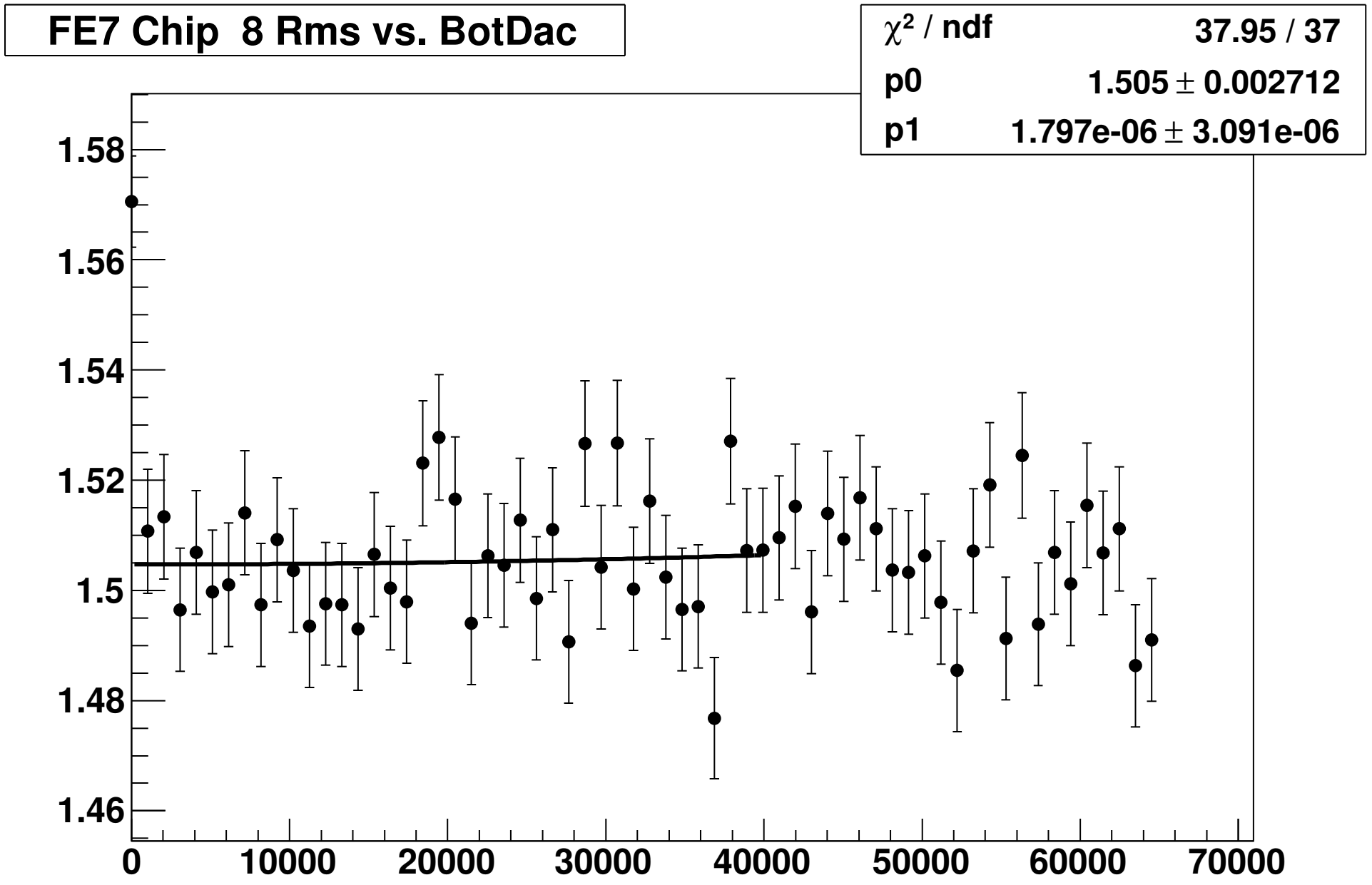
70000

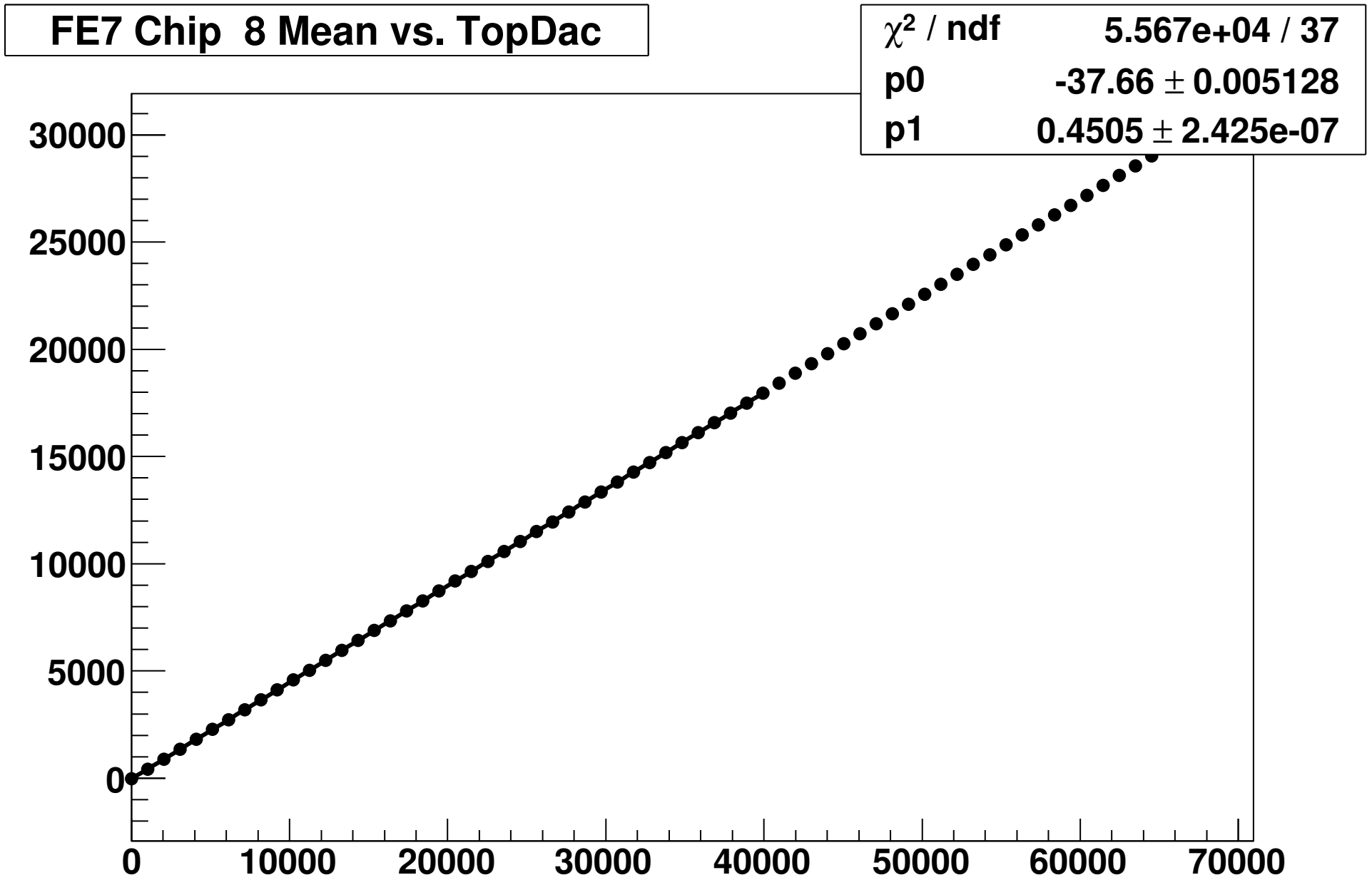

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 37.71 / 37
p0 1.491 ± 0.001778
p1 1.351e-13 ± 2.252e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

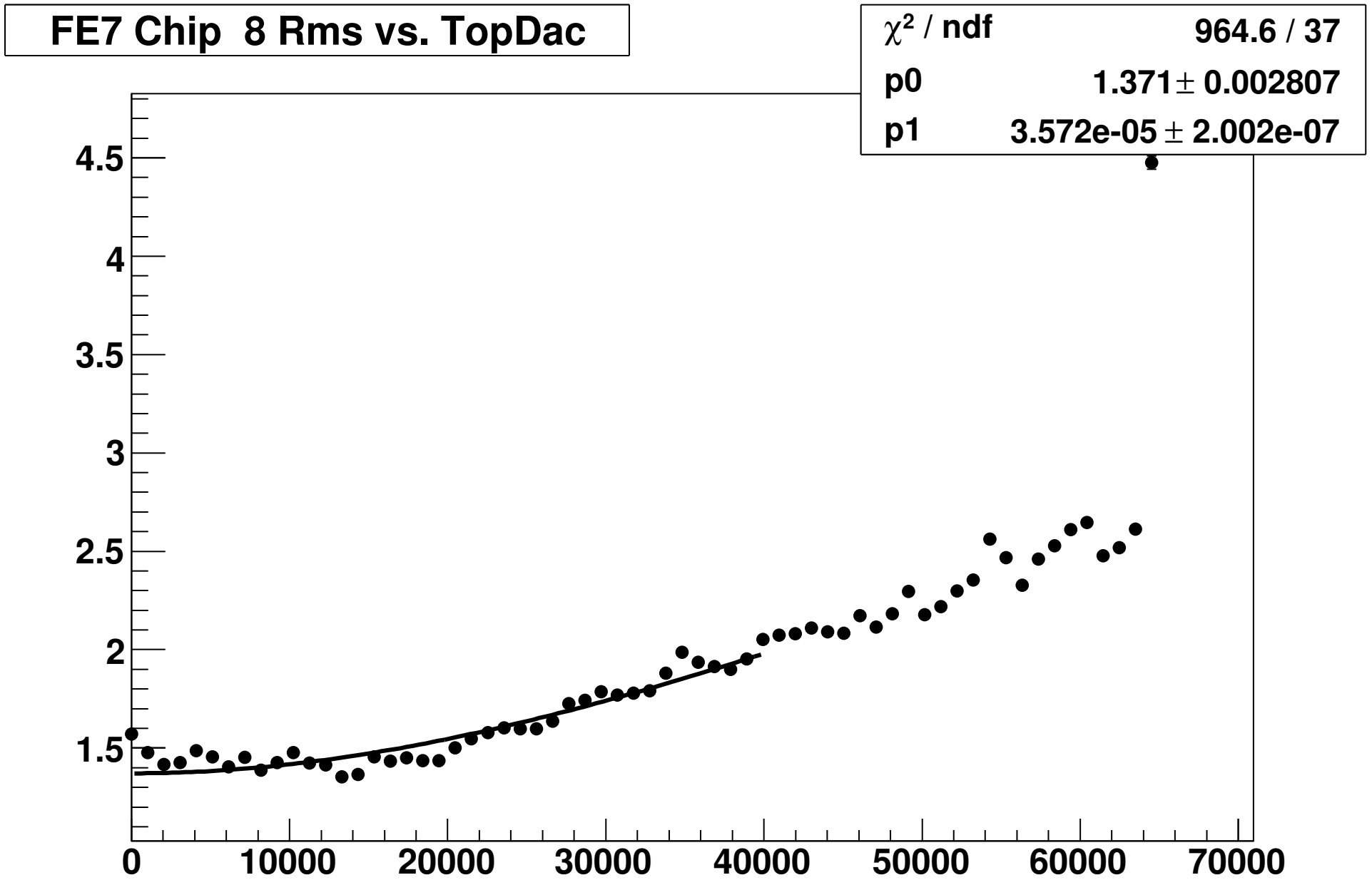

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.026e+05 / 37
p0 -20.4 ± 0.005132
p1 0.4512 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

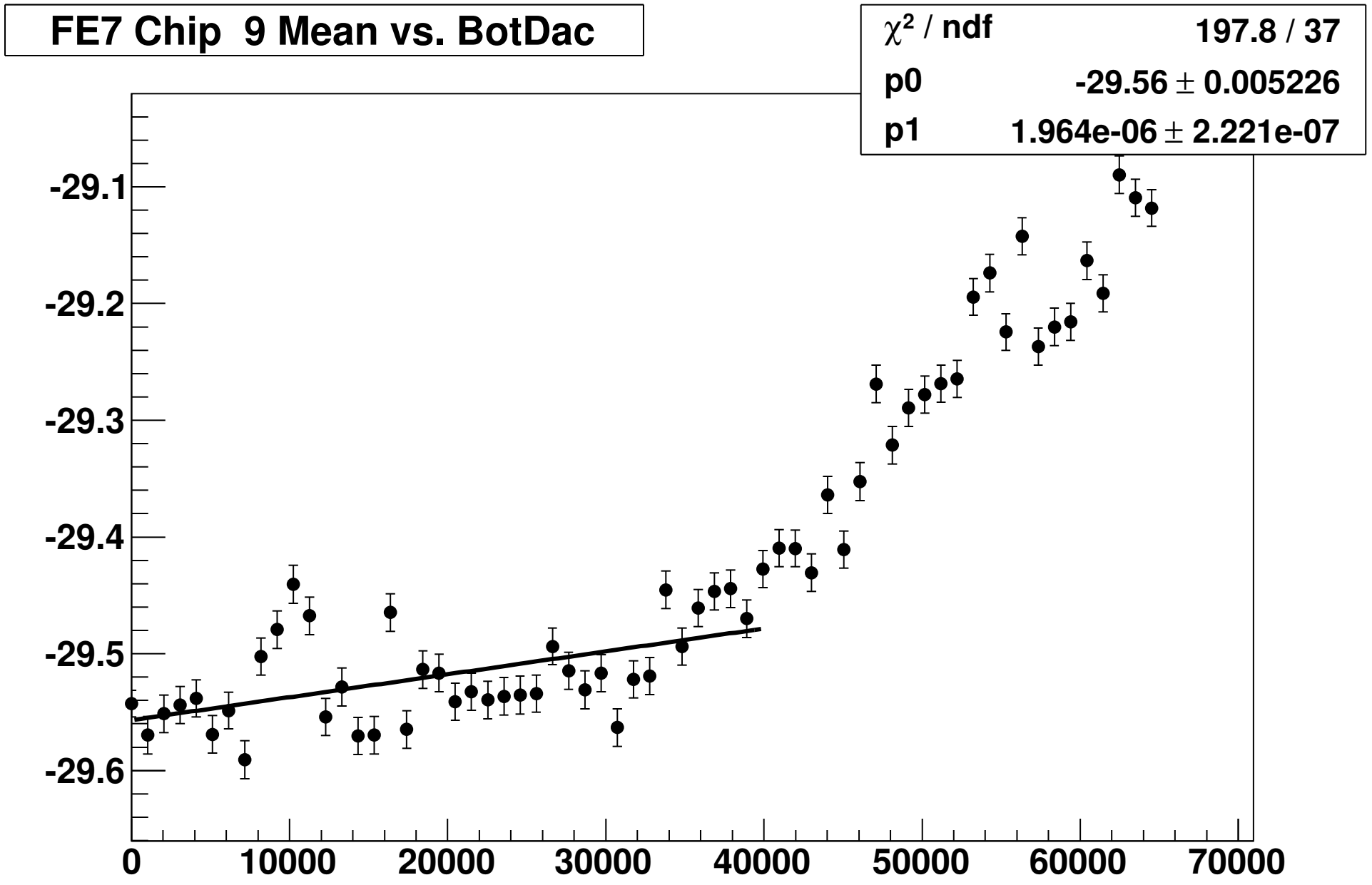

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 781.1 / 37
p0 1.374 ± 0.002811
p1 3.586e-05 ± 2.003e-07
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

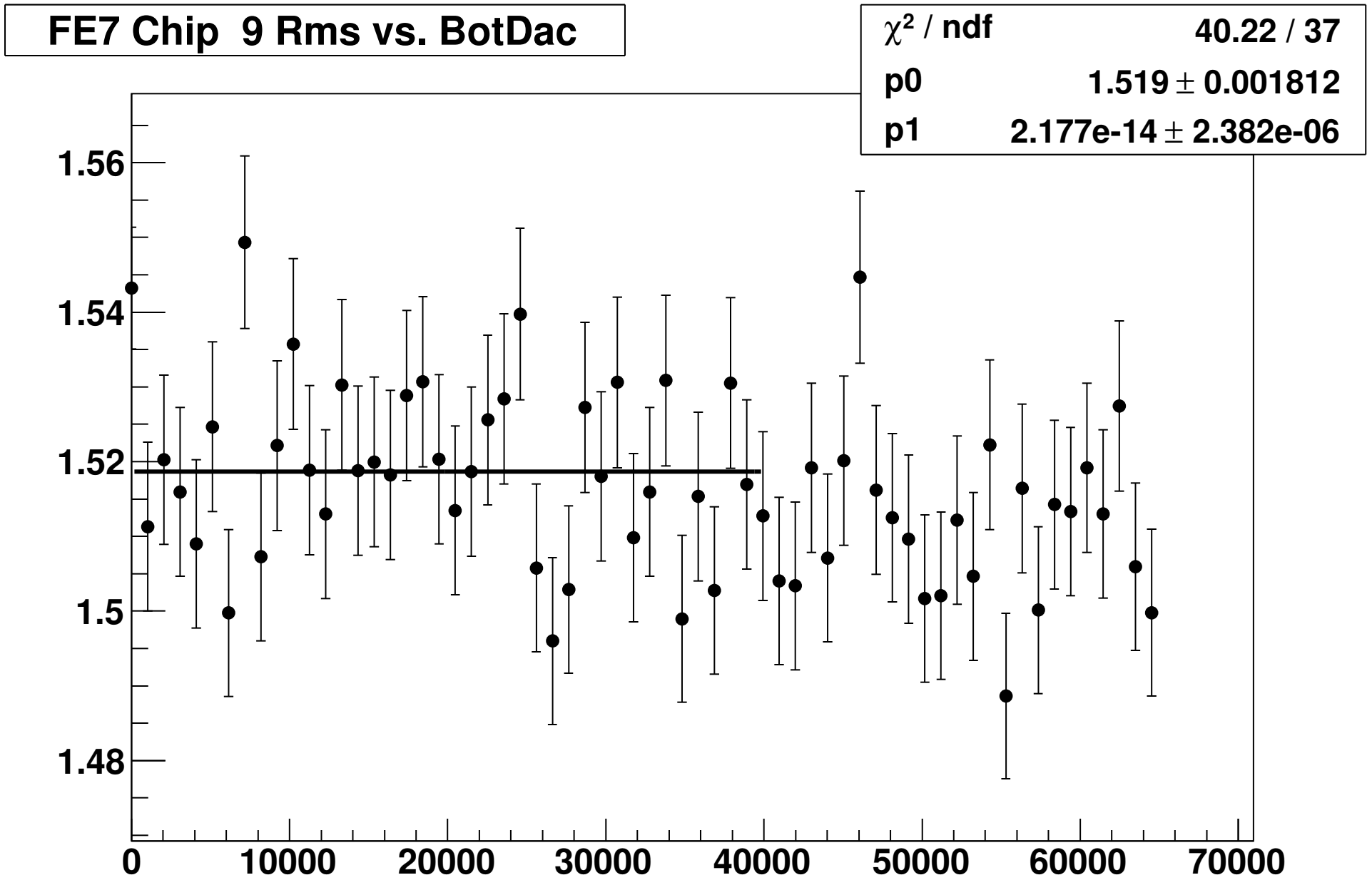

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 191 / 37
p0 -35.41 ± 0.005178
p1 1.75e-06 ± 2.204e-07
-34.9
-35
-35.1
-35.2
-35.3
-35.4
-35.5
0
10000
20000
30000
40000
50000
60000
70000

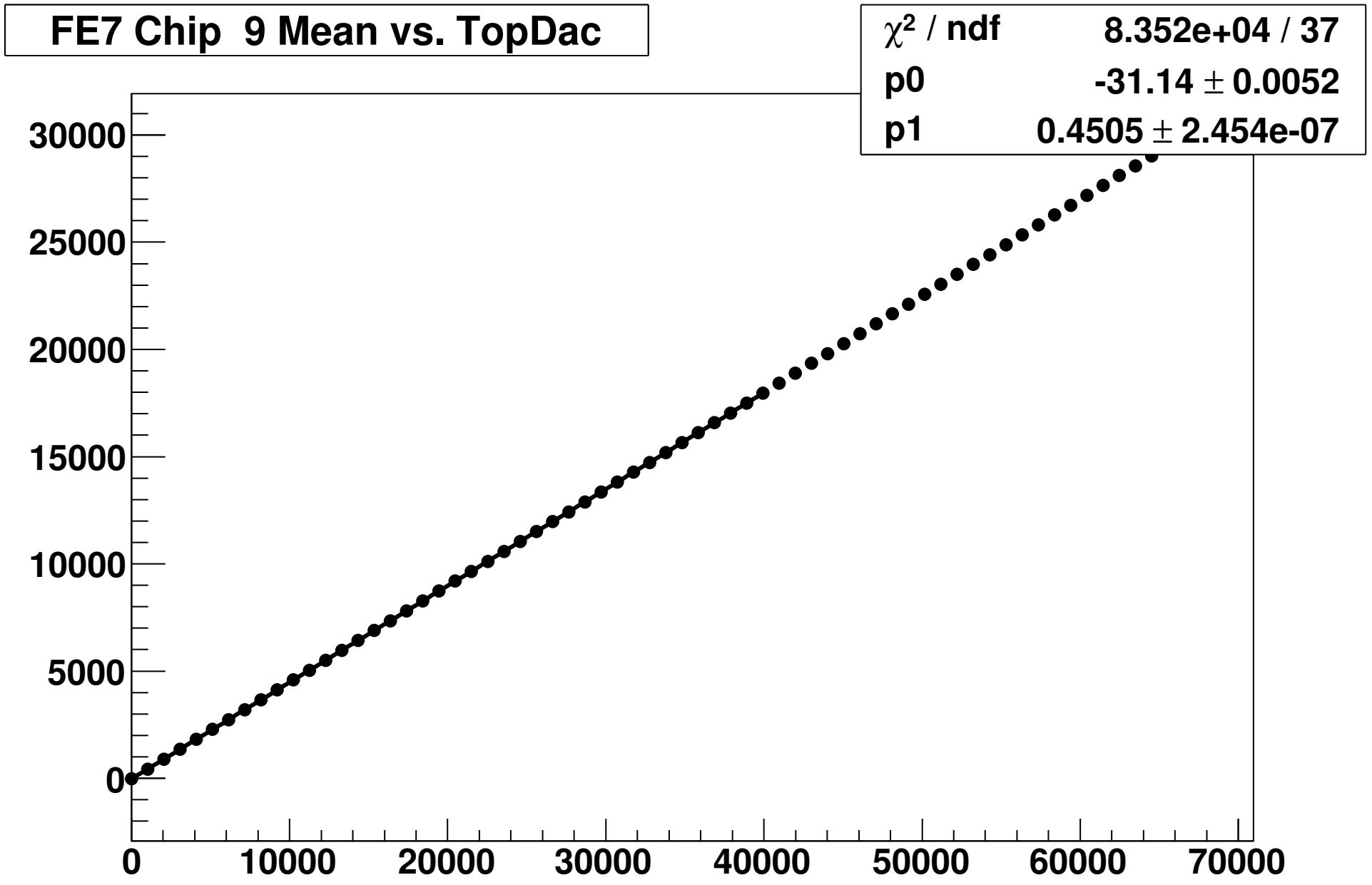

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 37.95 / 37
p0 1.505 ± 0.002712
p1 1.797e-06 ± 3.091e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

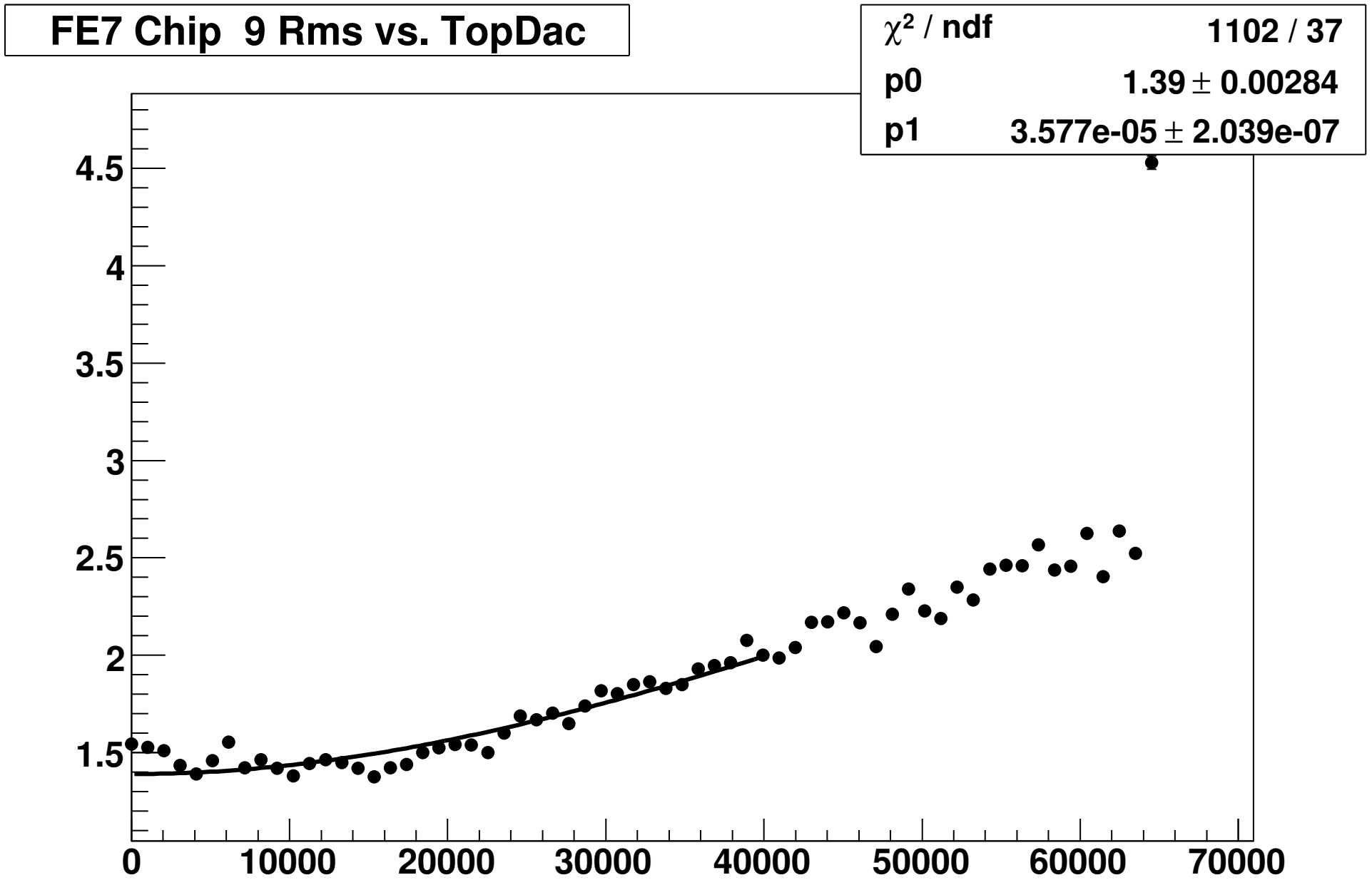

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 5.567e+04 / 37
p0 -37.66 ± 0.005128
p1 0.4505 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

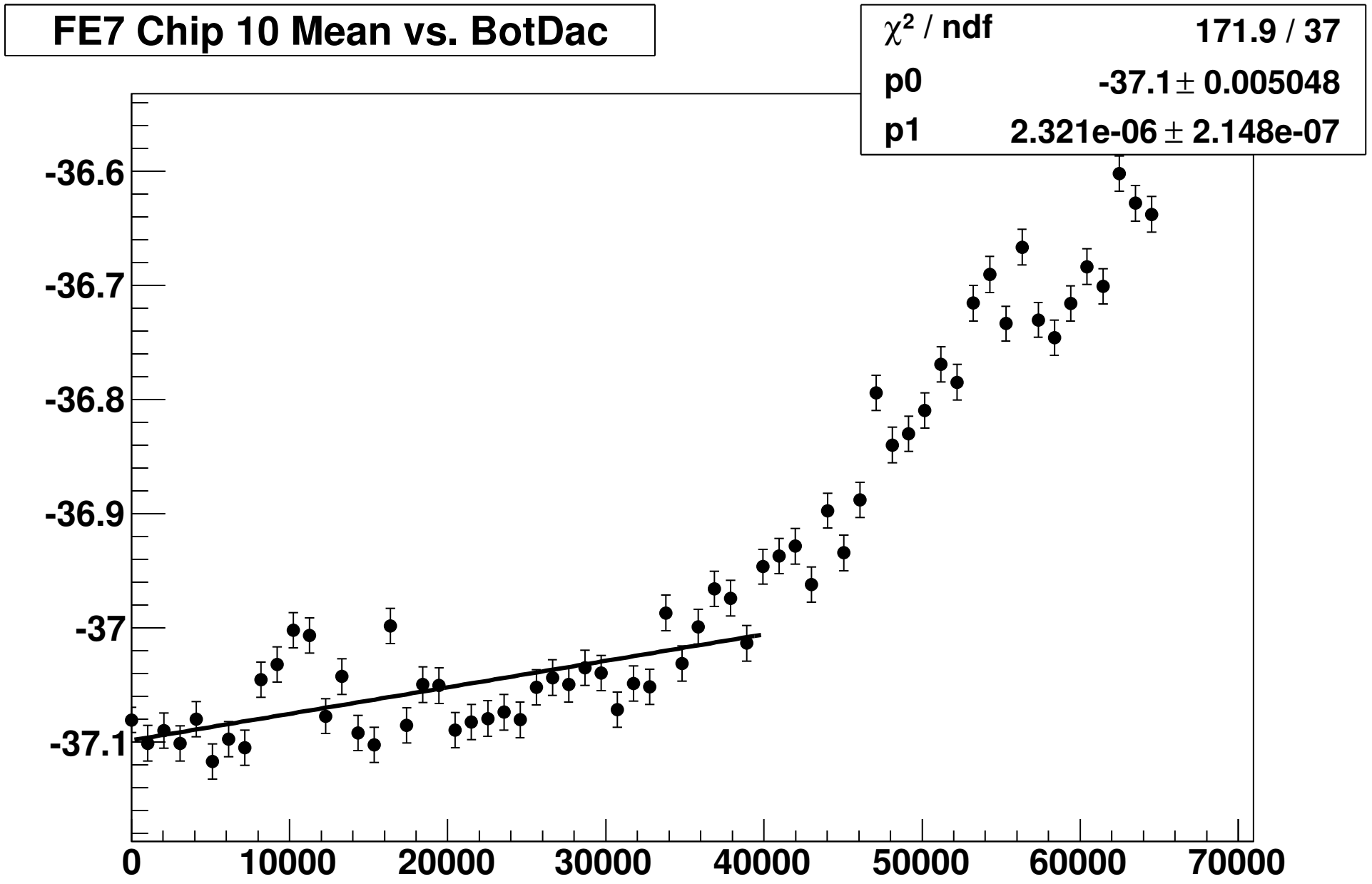

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 964.6 / 37
p0 1.371 ± 0.002807
p1 3.572e-05 ± 2.002e-07
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

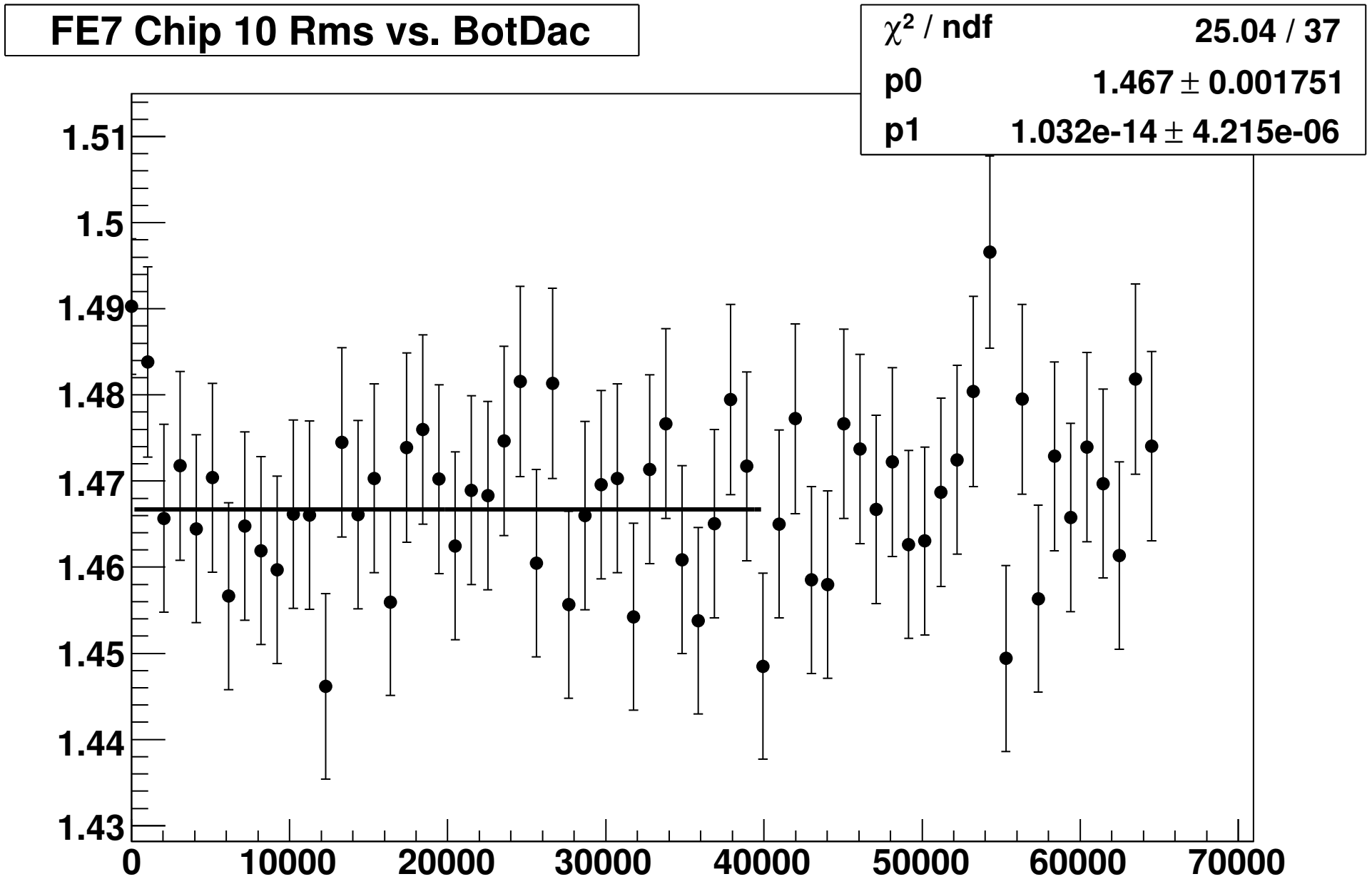

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 197.8 / 37
p0 -29.56 ± 0.005226
p1 1.964e-06 ± 2.221e-07
-29.1
-29.2
-29.3
-29.4
-29.5
-29.6
0
10000
20000
30000
40000
50000
60000
70000

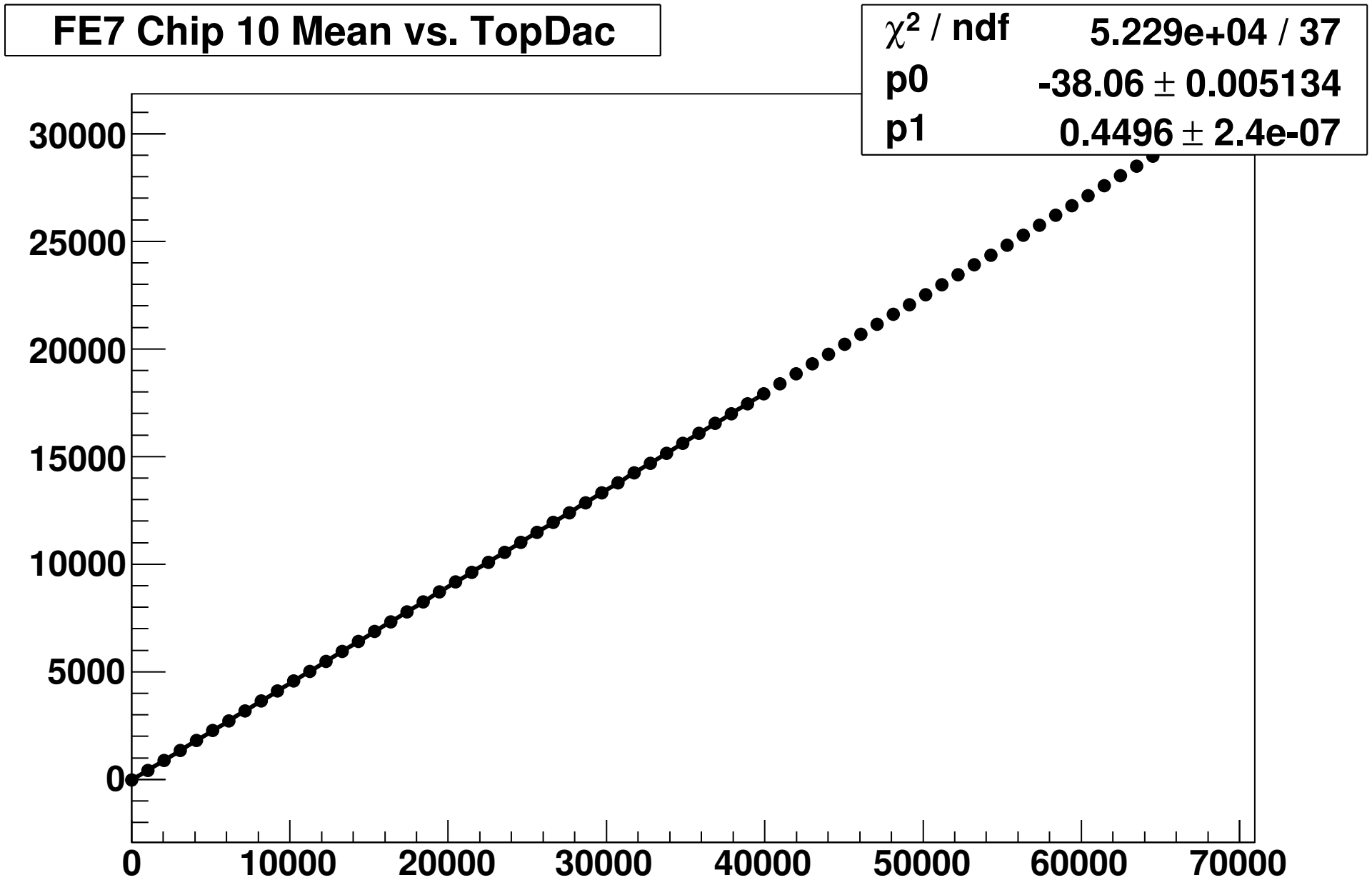

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 40.22 / 37
p0 1.519 ± 0.001812
p1 2.177e-14 ± 2.382e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

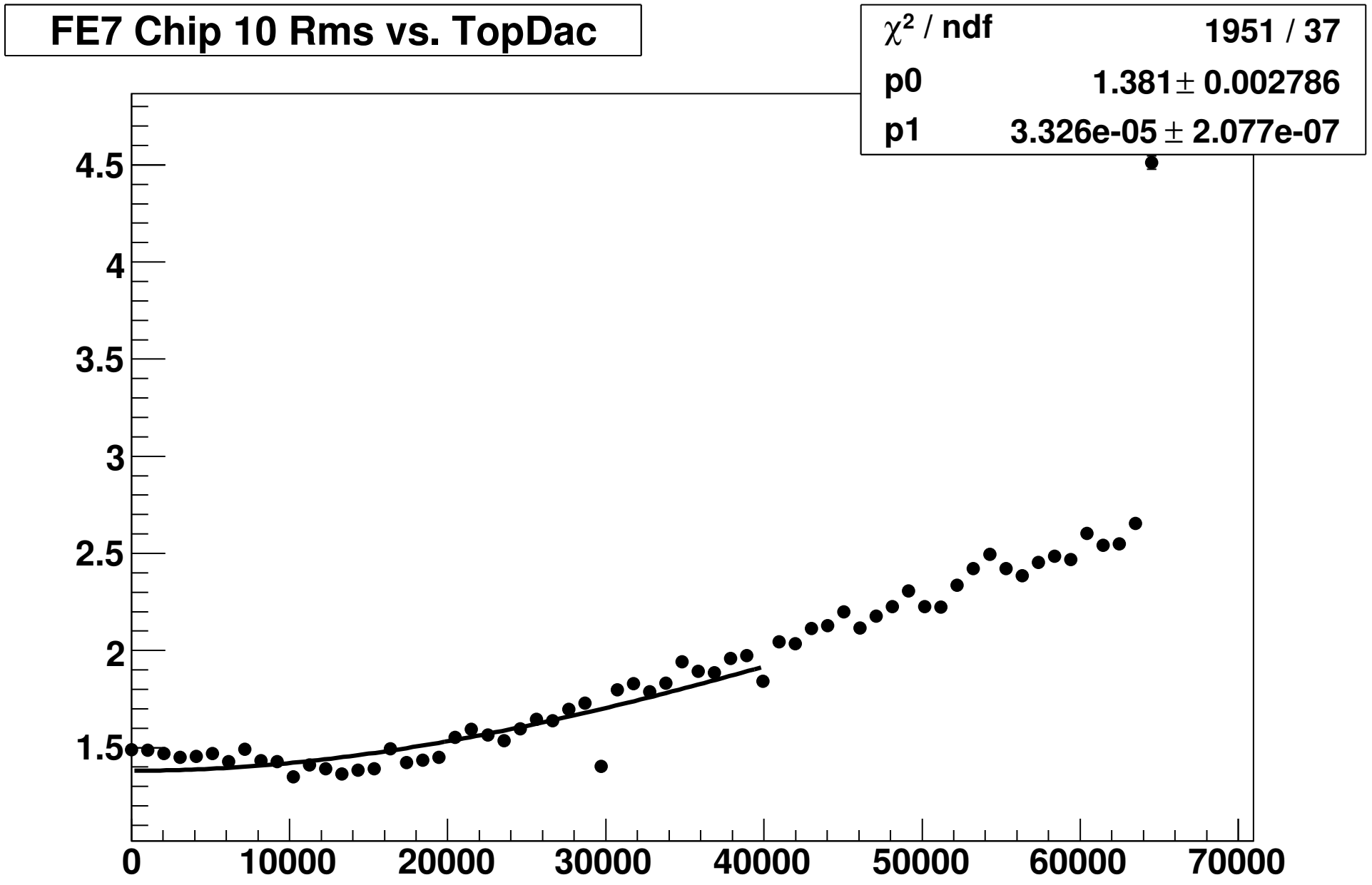

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 8.352e+04 / 37
p0 -31.14 ± 0.0052
p1 0.4505 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

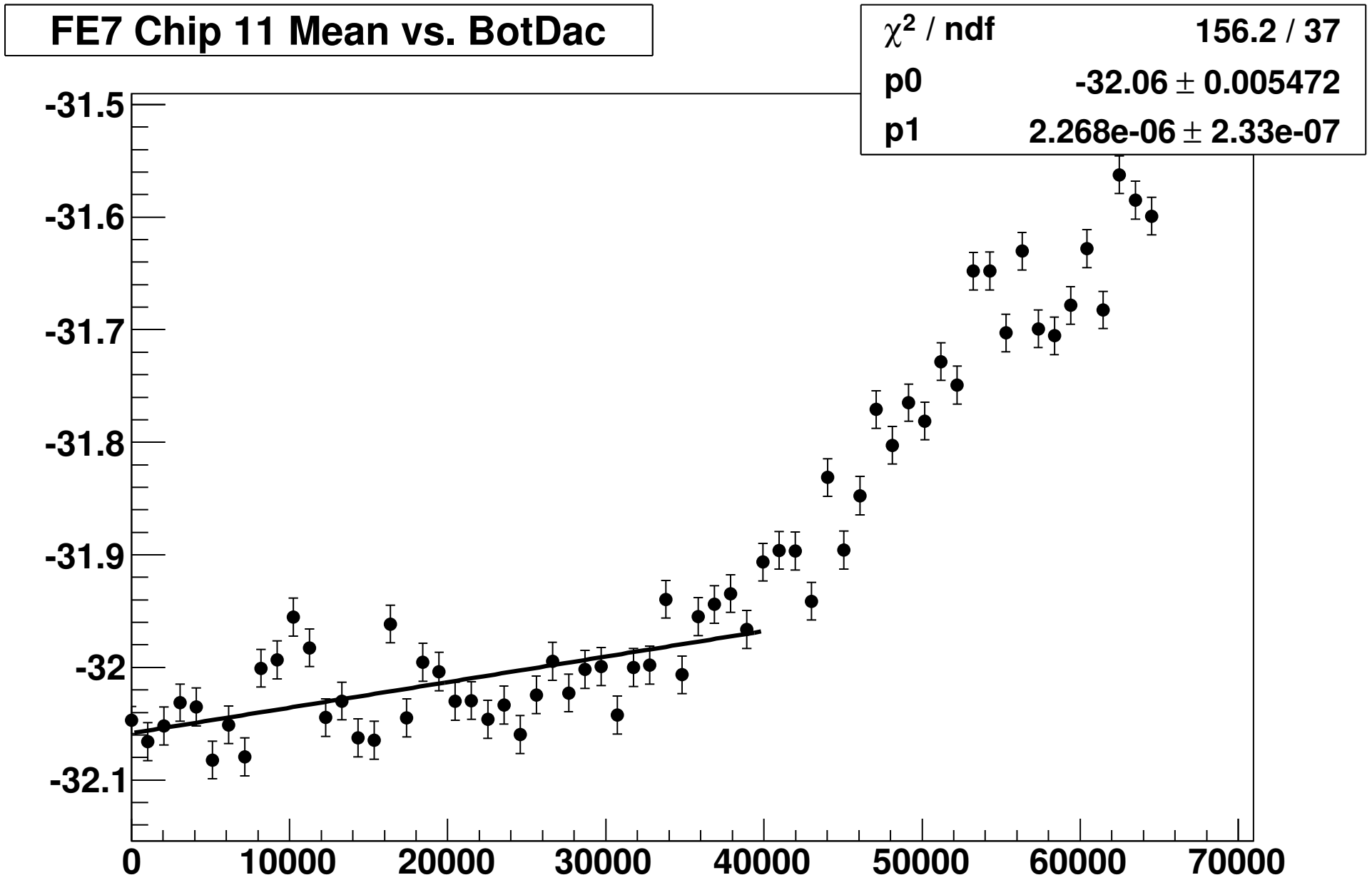

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1102 / 37
p0 1.39 ± 0.00284
p1 3.577e-05 ± 2.039e-07
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

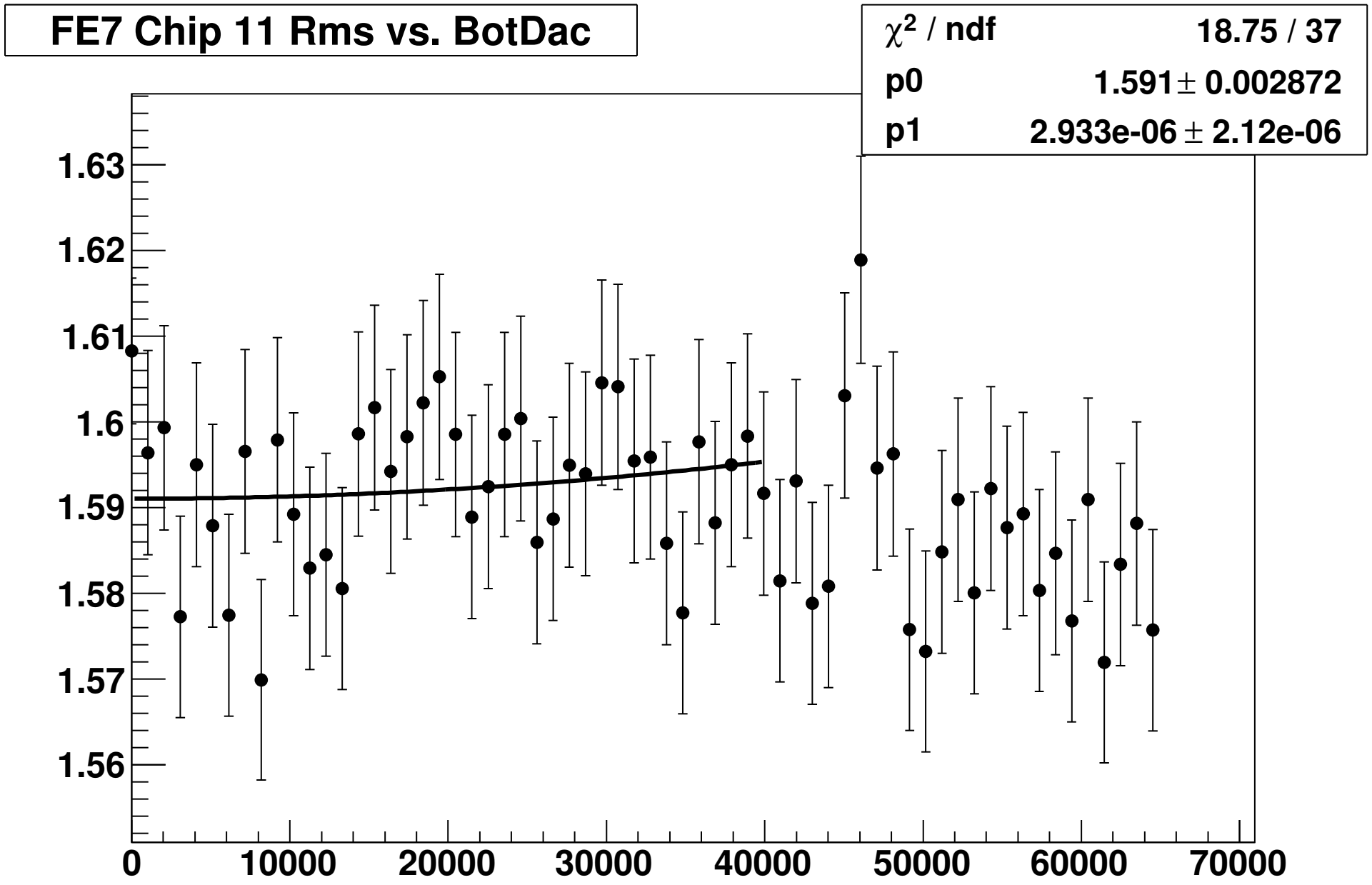

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 171.9 / 37
p0 -37.1 ± 0.005048
p1 2.321e-06 ± 2.148e-07
-36.6
-36.7
-36.8
-36.9
-37
-37.1
0
10000
20000
30000
40000
50000
60000
70000

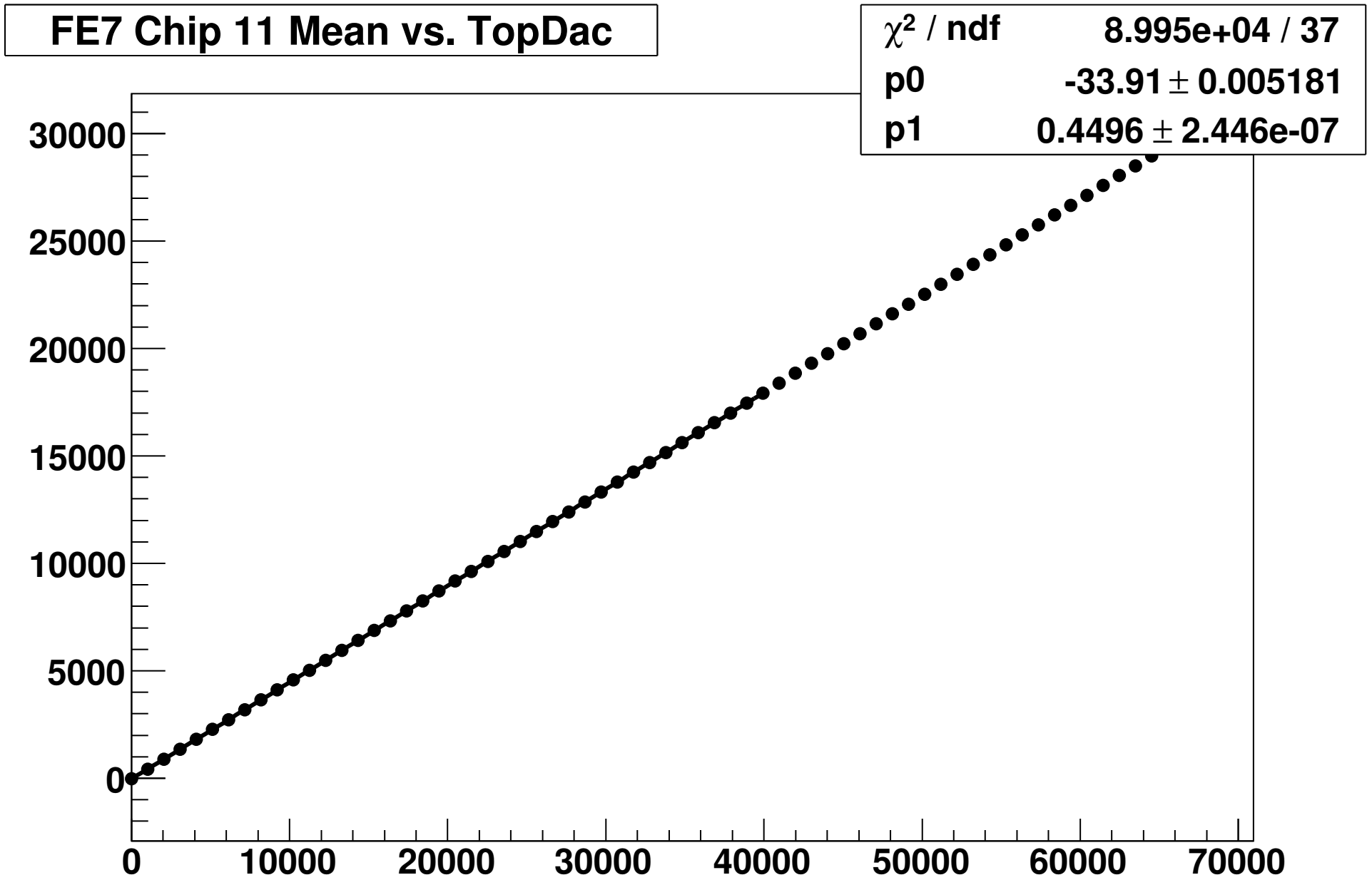

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 25.04 / 37
p0 1.467 ± 0.001751
p1 1.032e-14 ± 4.215e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

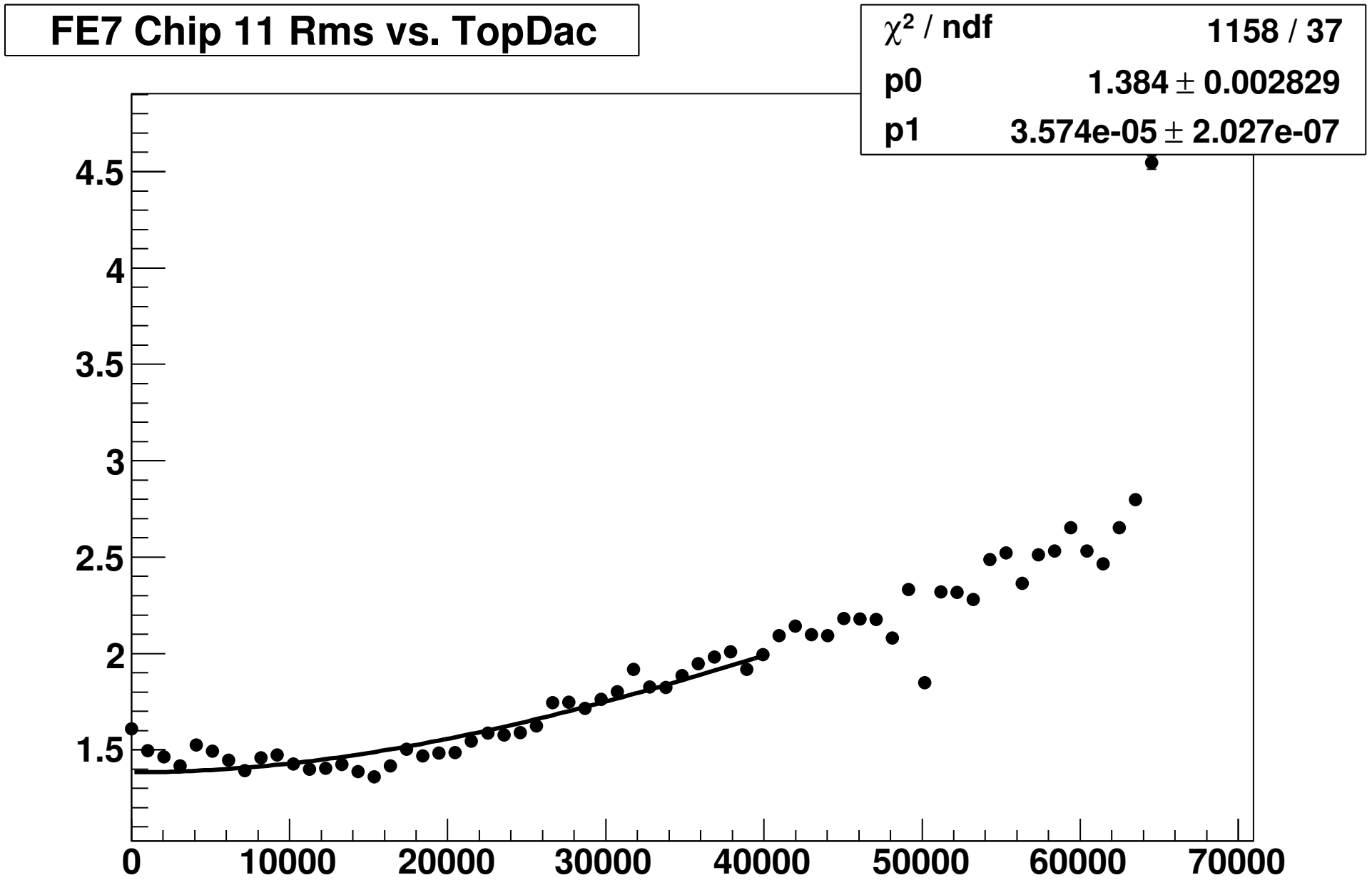

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 5.229e+04 / 37
p0 -38.06 ± 0.005134
p1 0.4496 ± 2.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

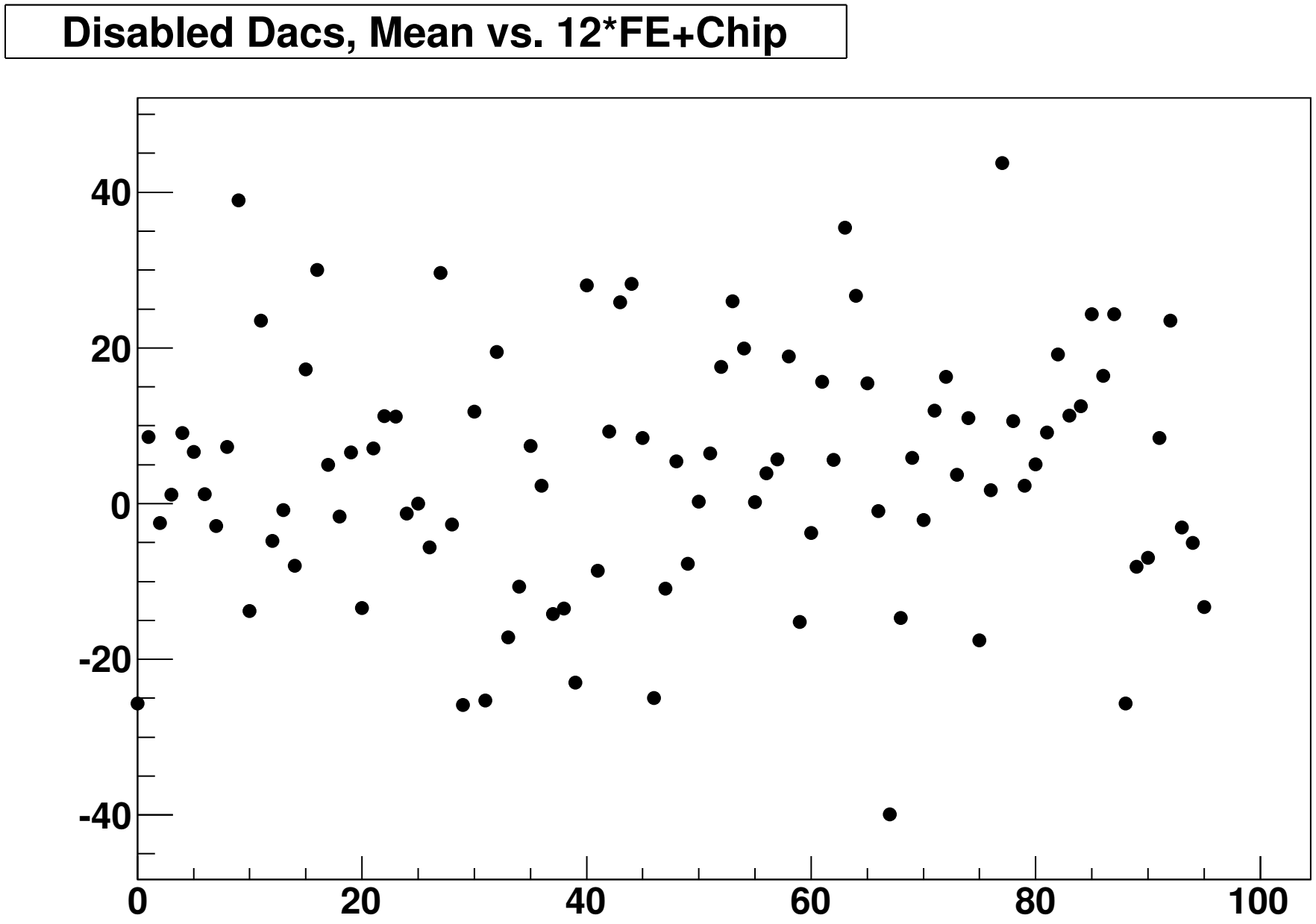

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 1951 / 37
p0 1.381 ± 0.002786
p1 3.326e-05 ± 2.077e-07
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

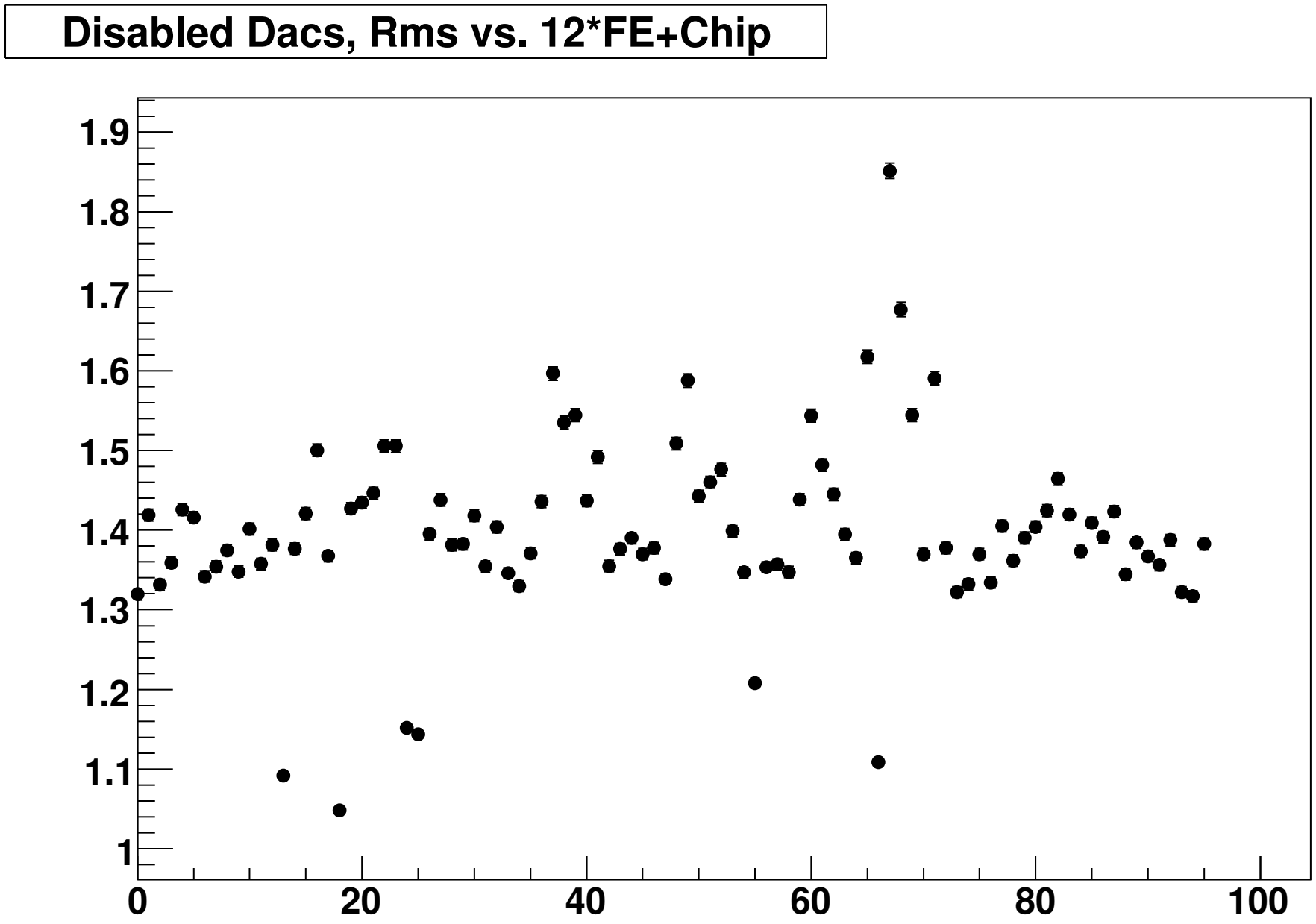

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 156.2 / 37
p0 -32.06 ± 0.005472
p1 2.268e-06 ± 2.33e-07
-31.5
-31.6
-31.7
-31.8
-31.9
-32
-32.1
0
10000
20000
30000
40000
50000
60000
70000

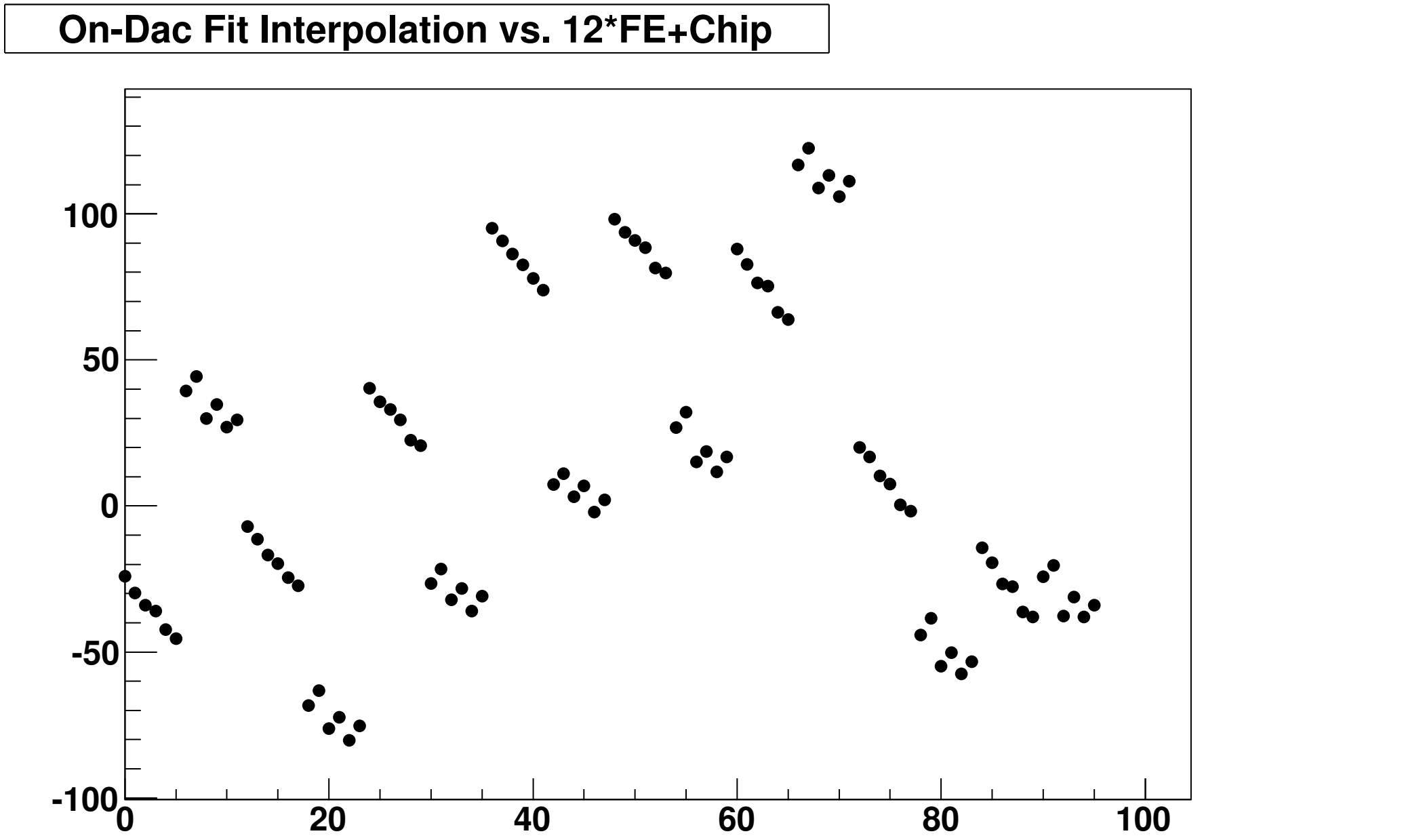

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 18.75 / 37
p0 1.591 ± 0.002872
p1 2.933e-06 ± 2.12e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000
70000

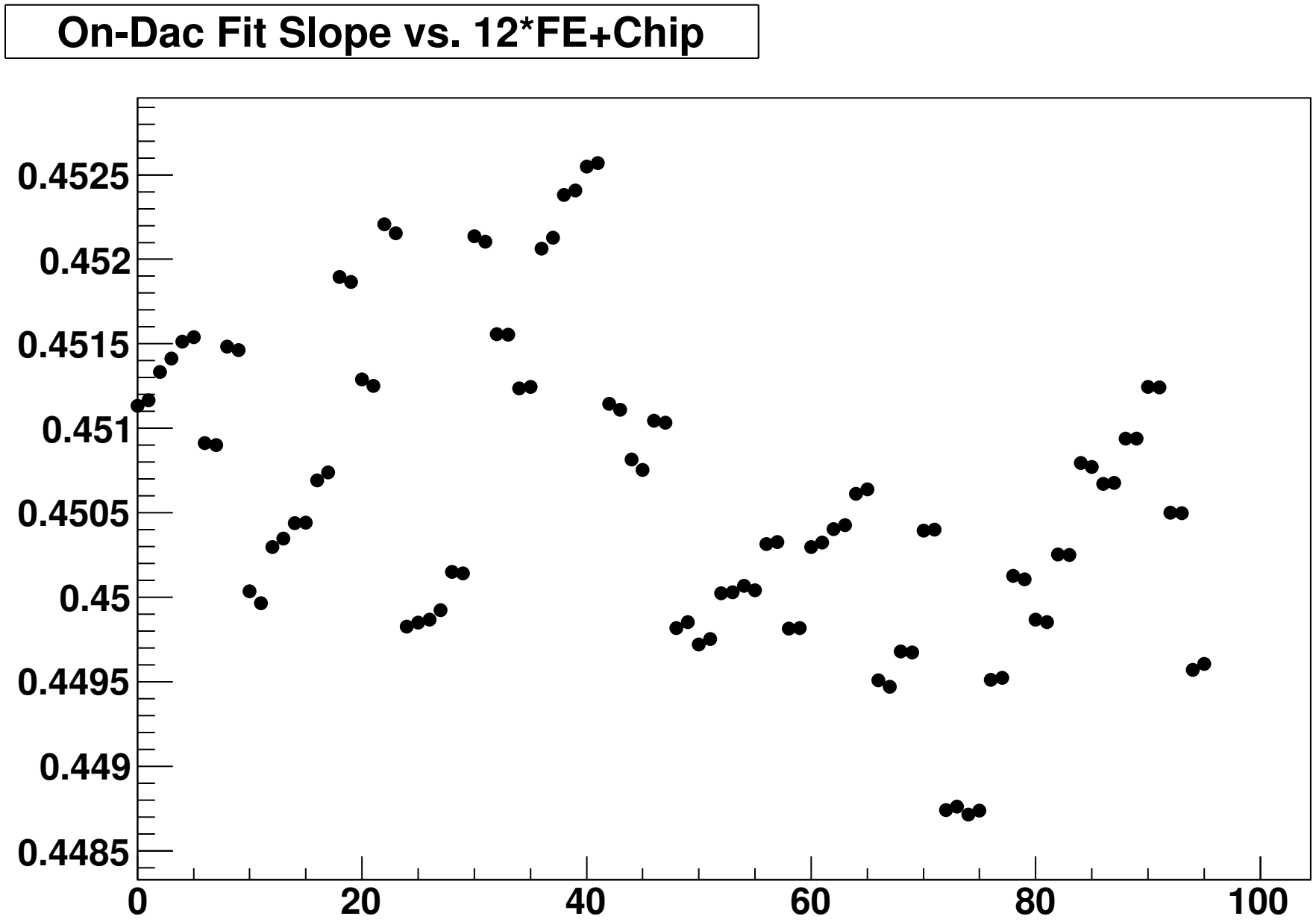

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 8.995e+04 / 37
p0 -33.91 ± 0.005181
p1 0.4496 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

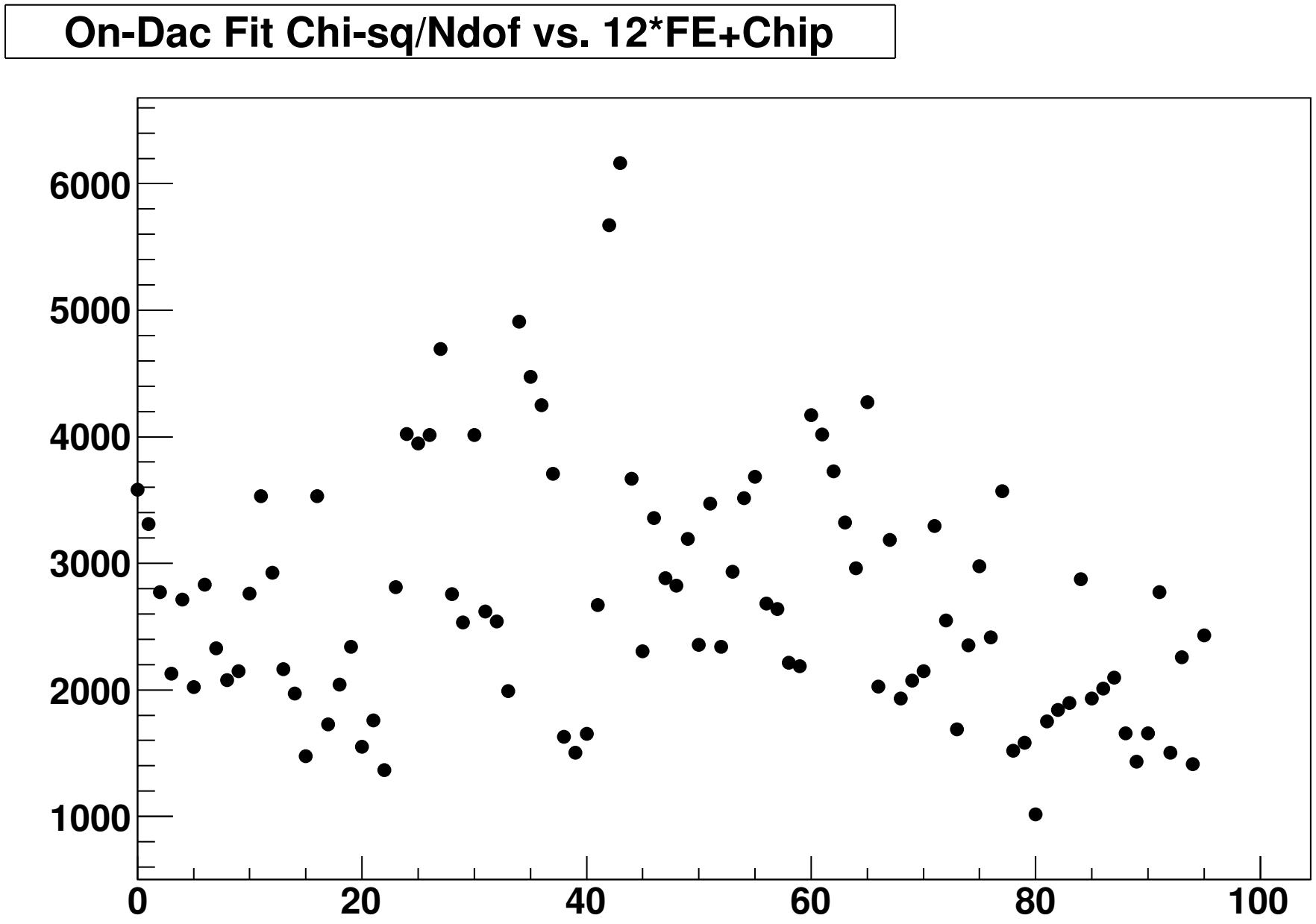

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1158 / 37
p0 1.384 ± 0.002829
p1 3.574e-05 ± 2.027e-07
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

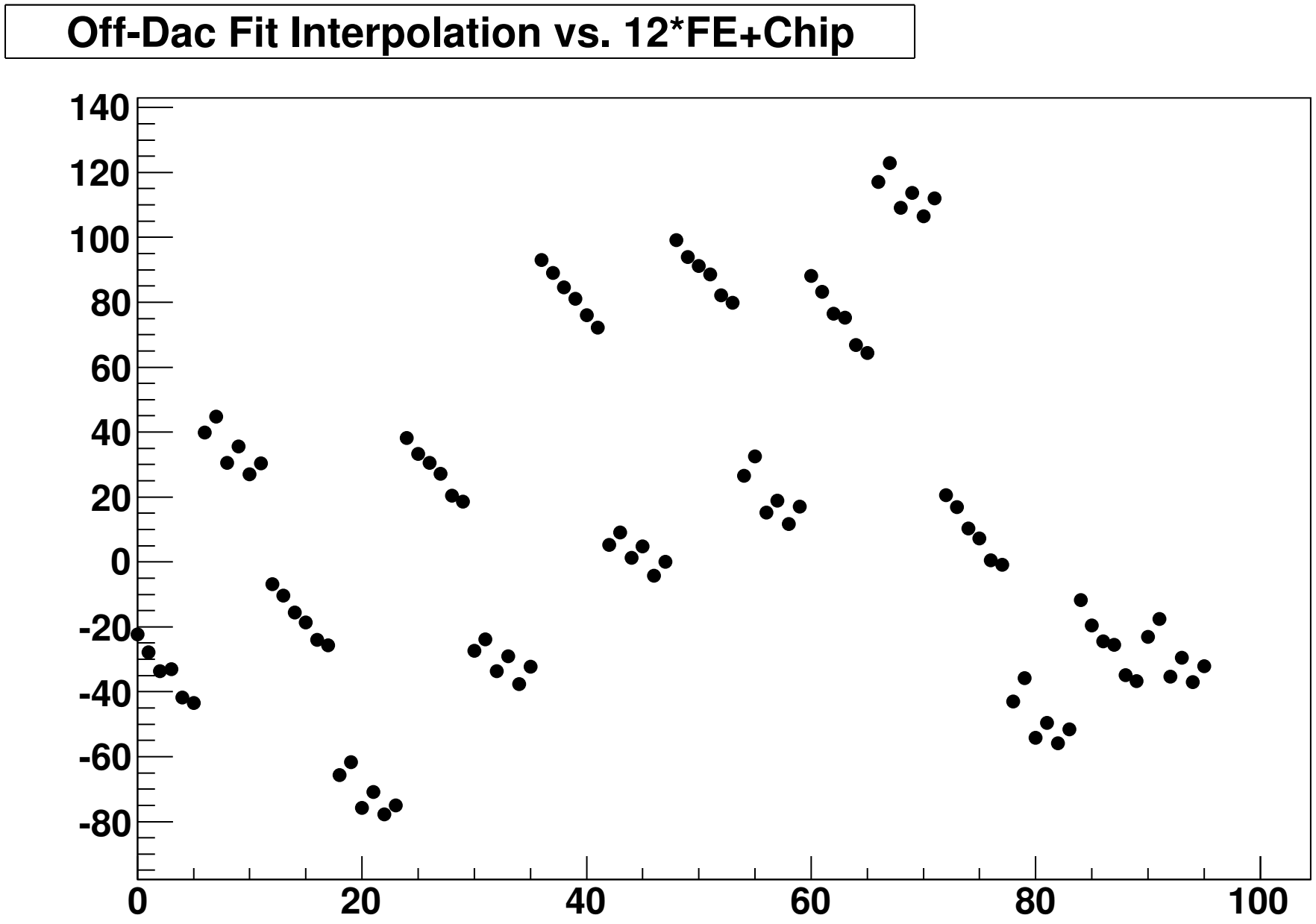

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

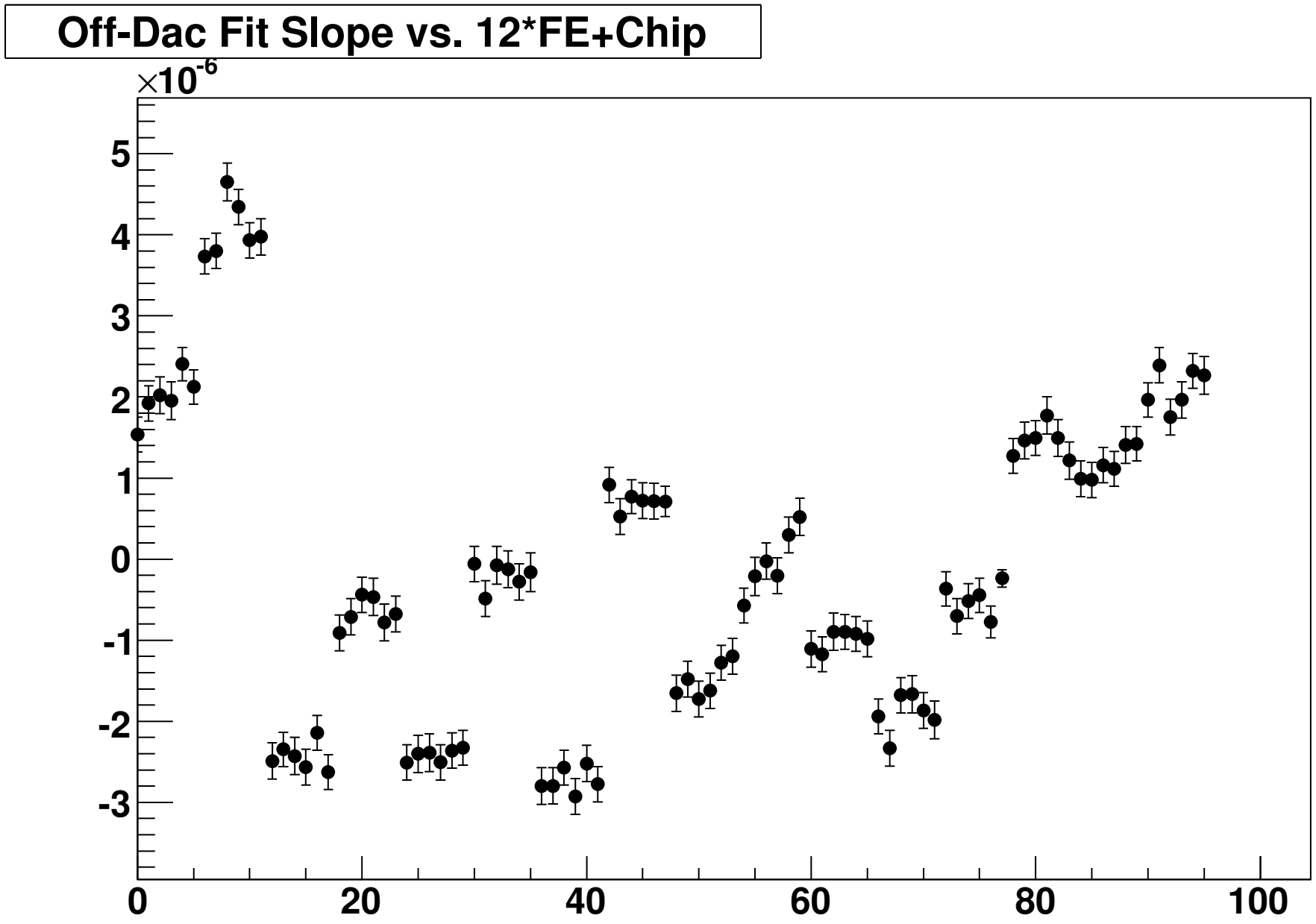

Disabled Dacs, Rms vs. 12*FE+Chip
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
20
40
60
80
100

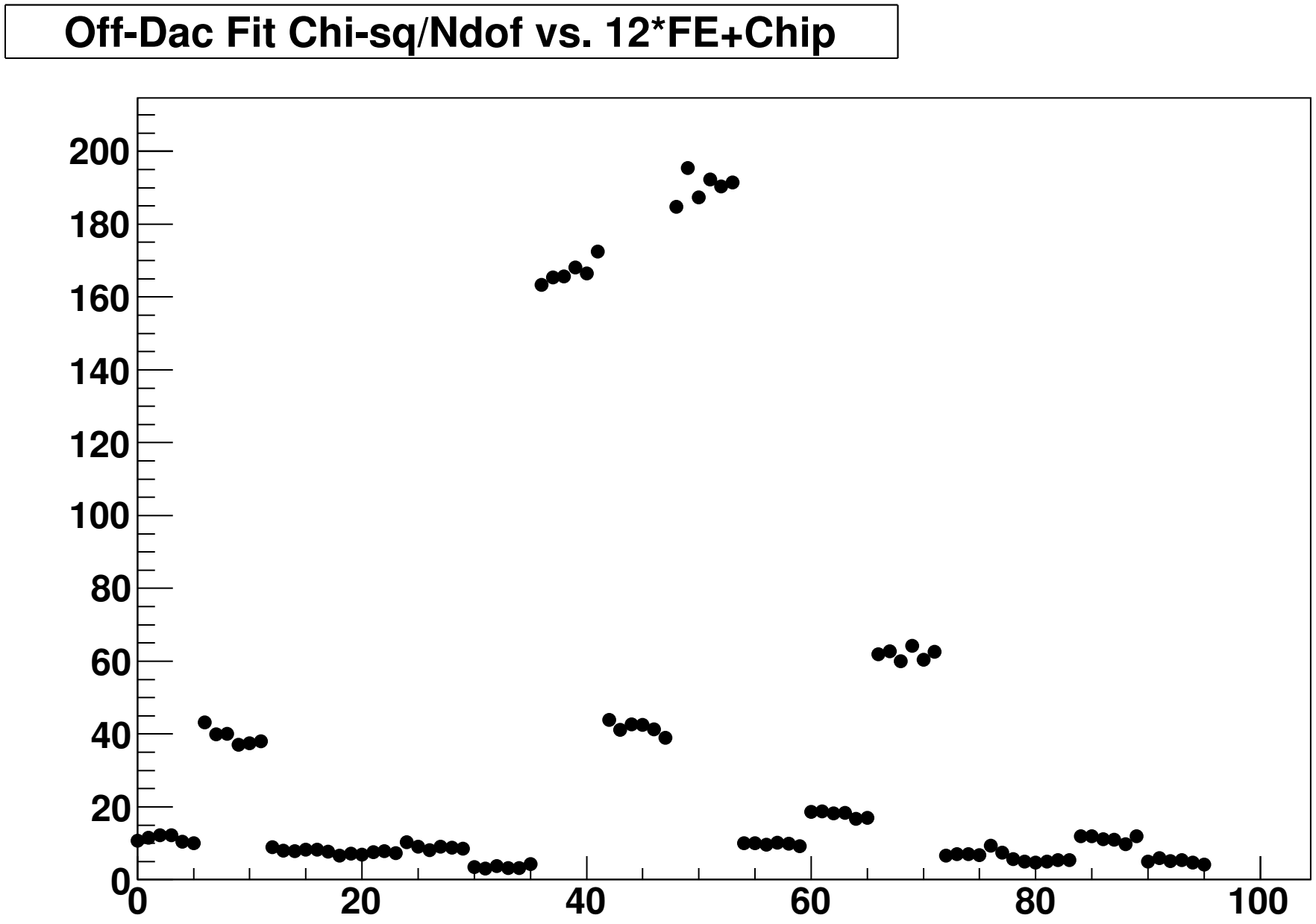

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

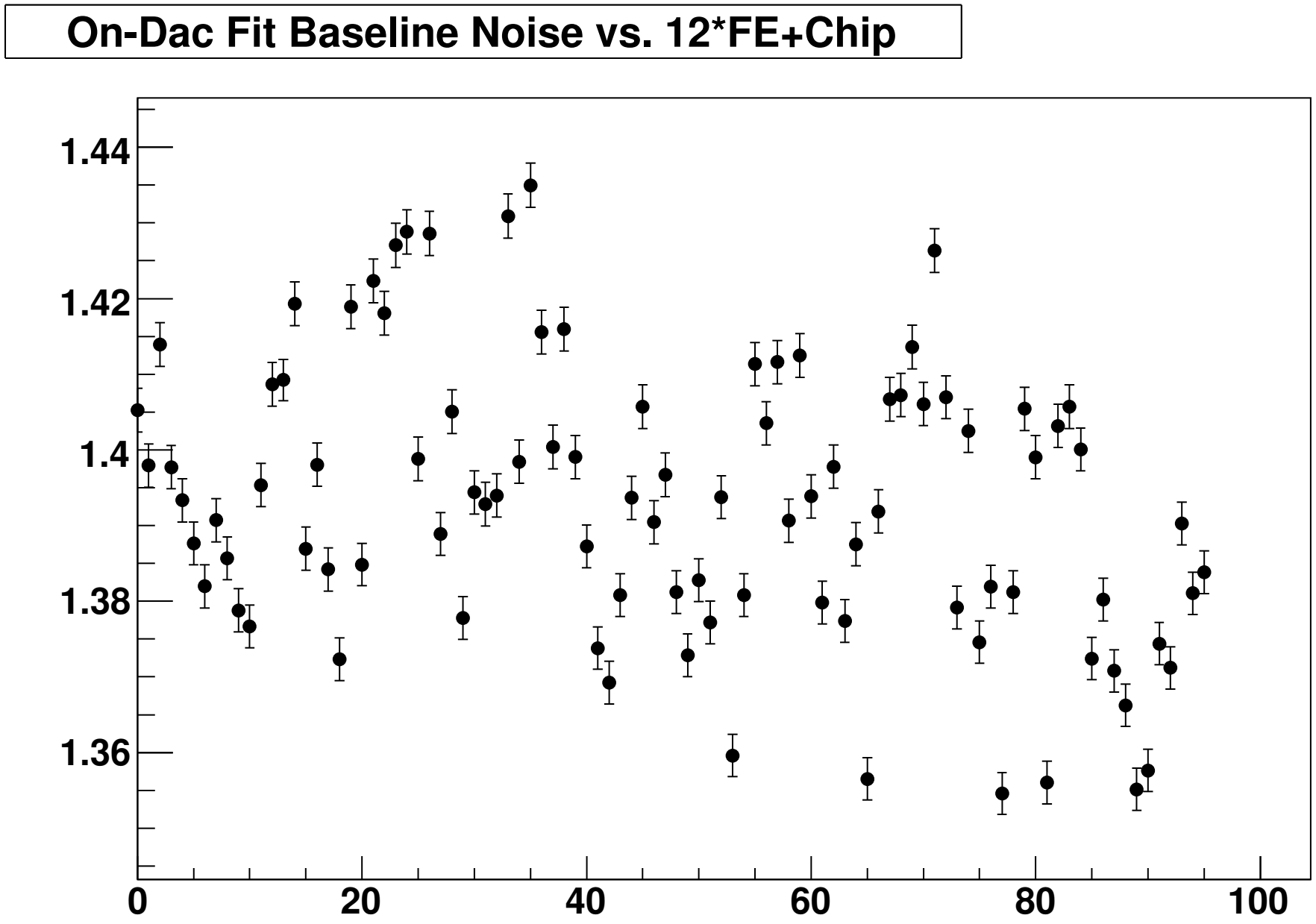

On-Dac Fit Slope vs. 12*FE+Chip
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0.4485
0
20
40
60
80
100

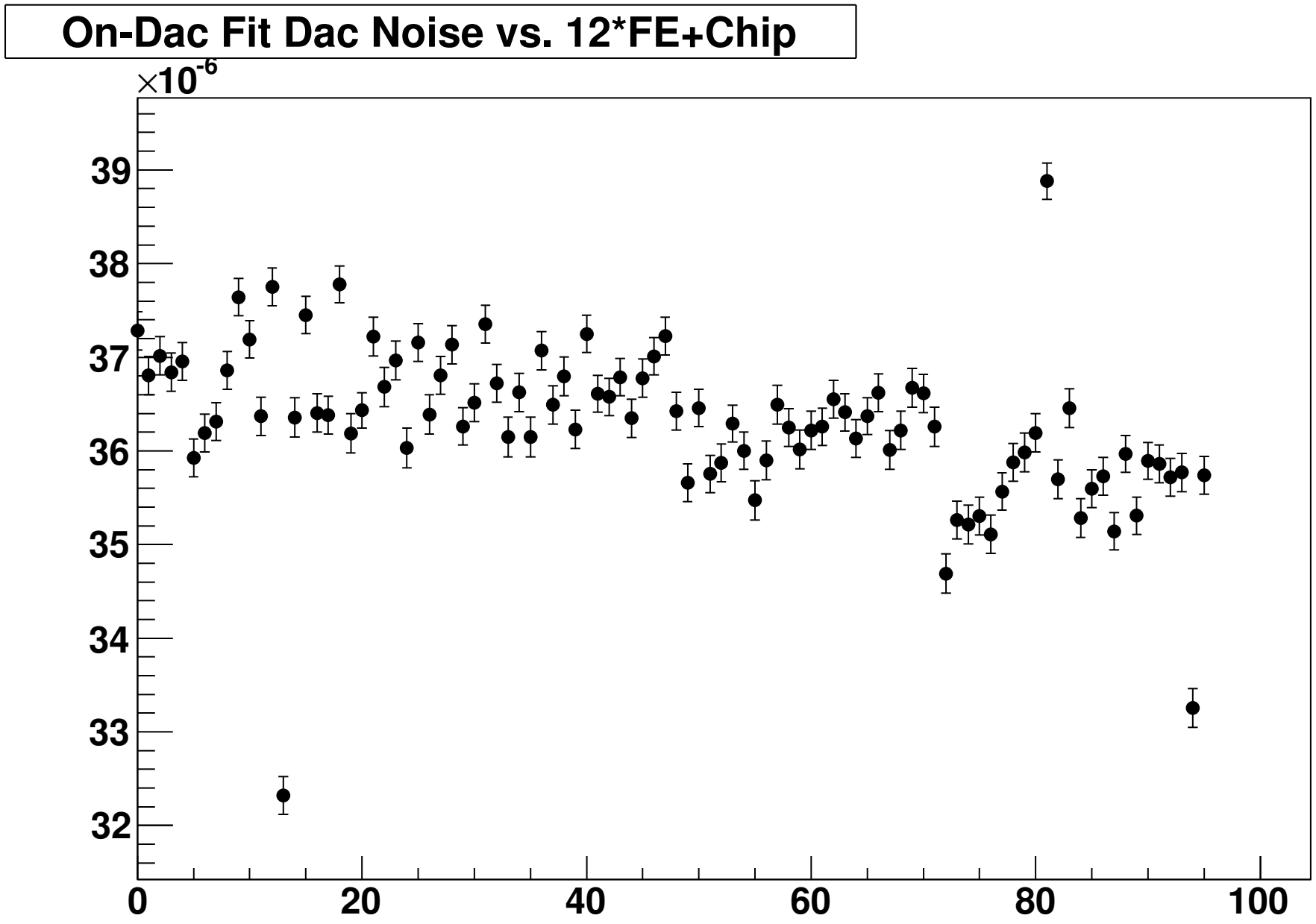

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

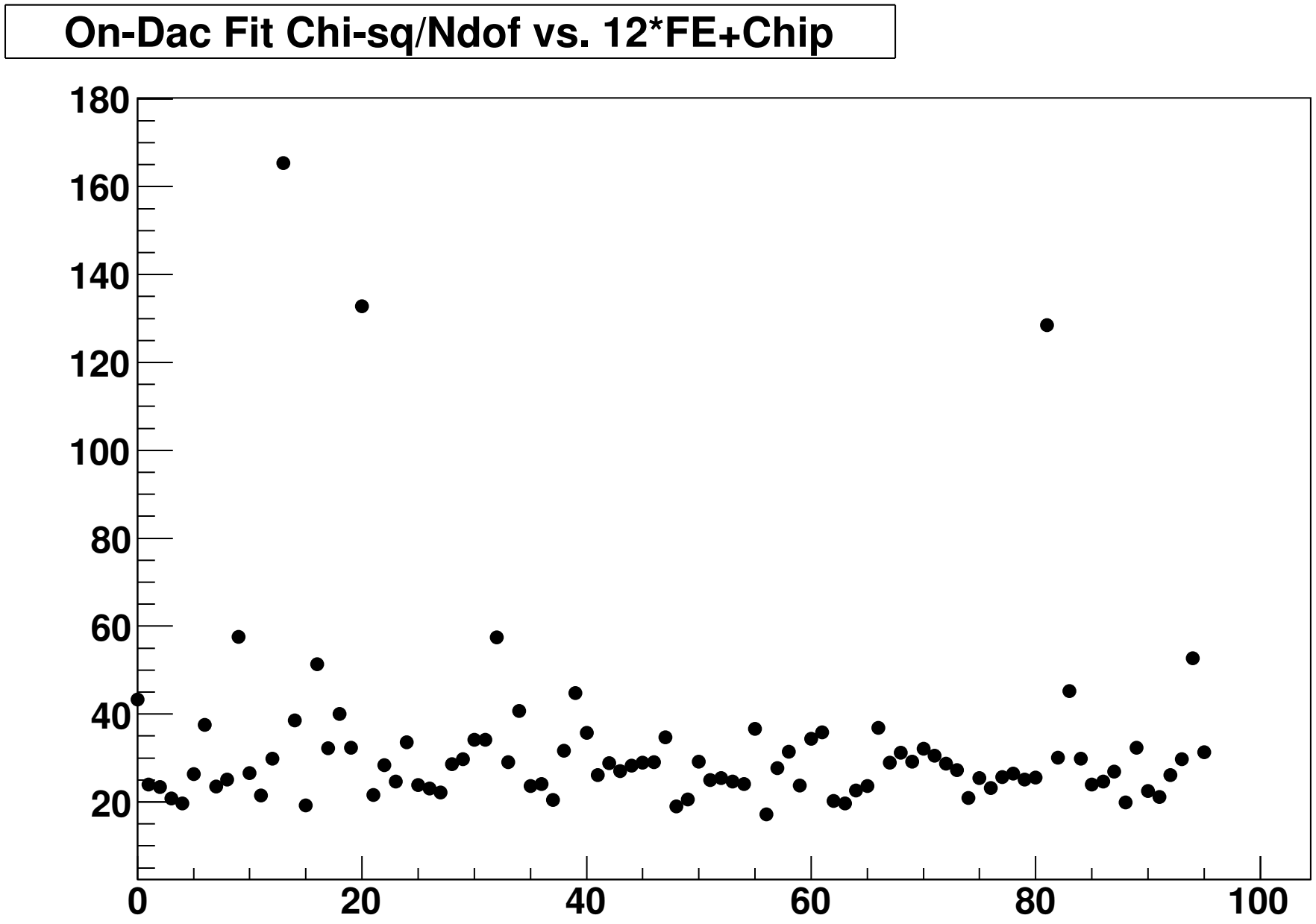

Off-Dac Fit Interpolation vs. 12*FE+Chip
140
120
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

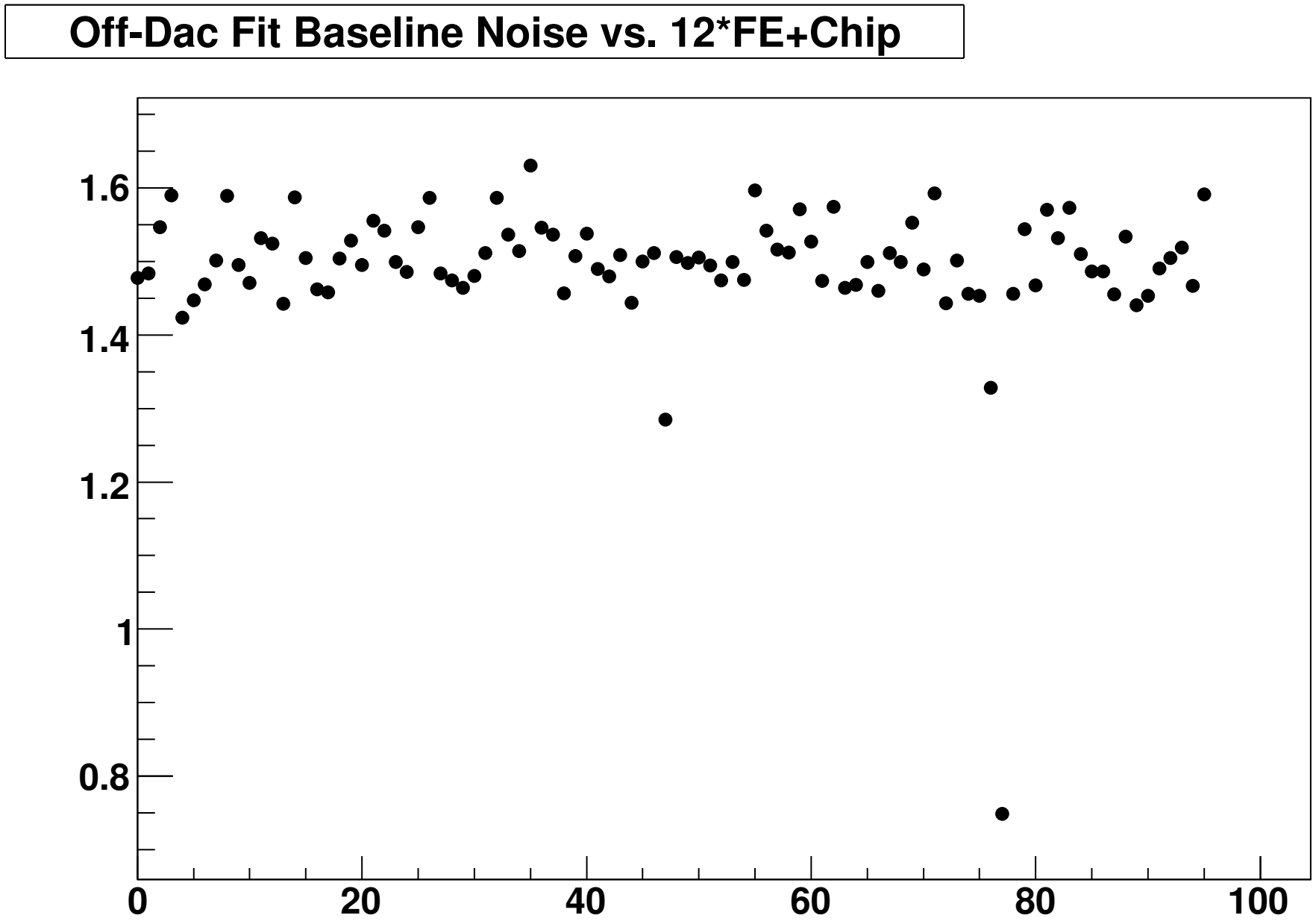

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
5
4
3
2
1
0
-1
-2
-3
0
20
40
60
80
100

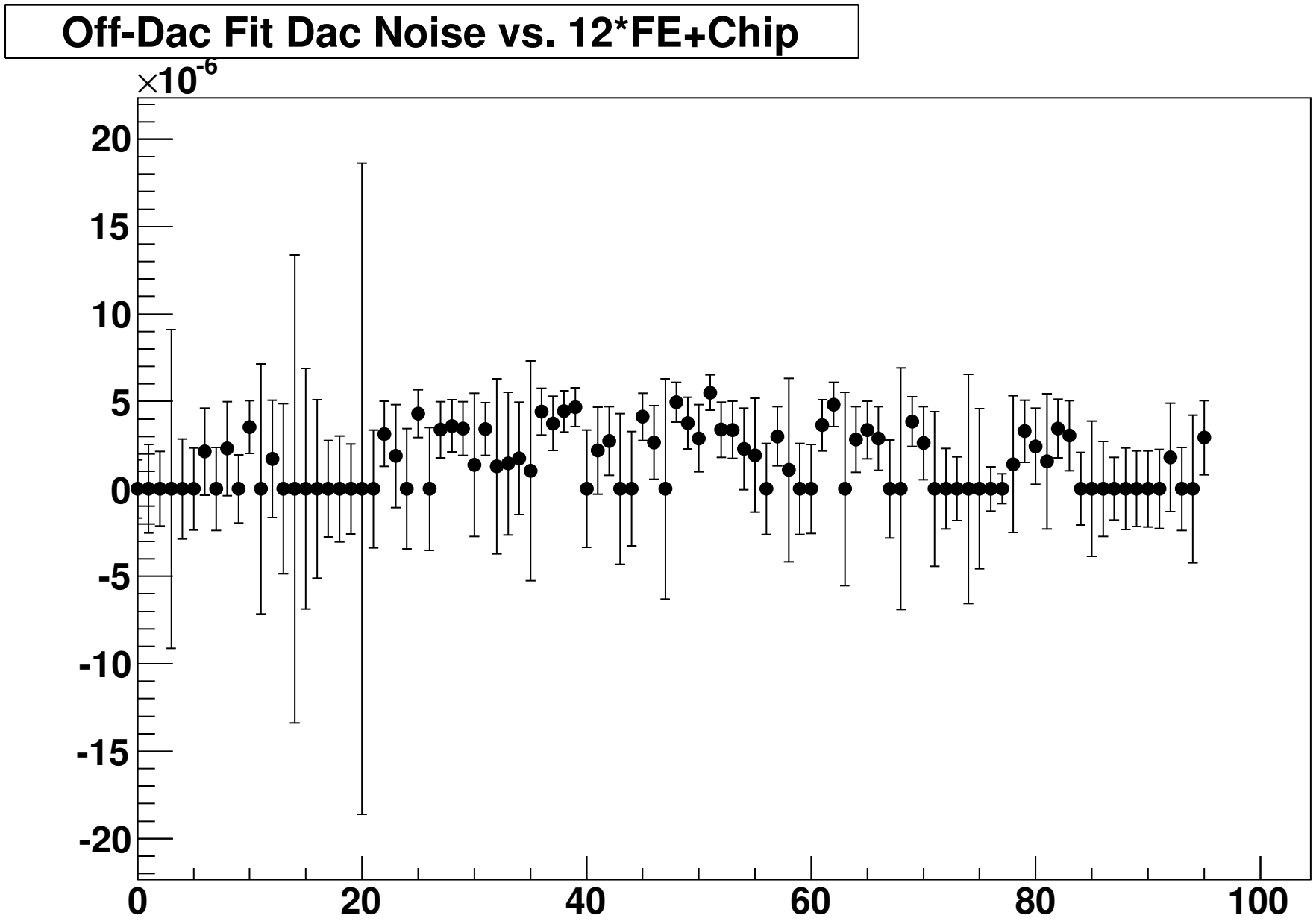

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
200
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

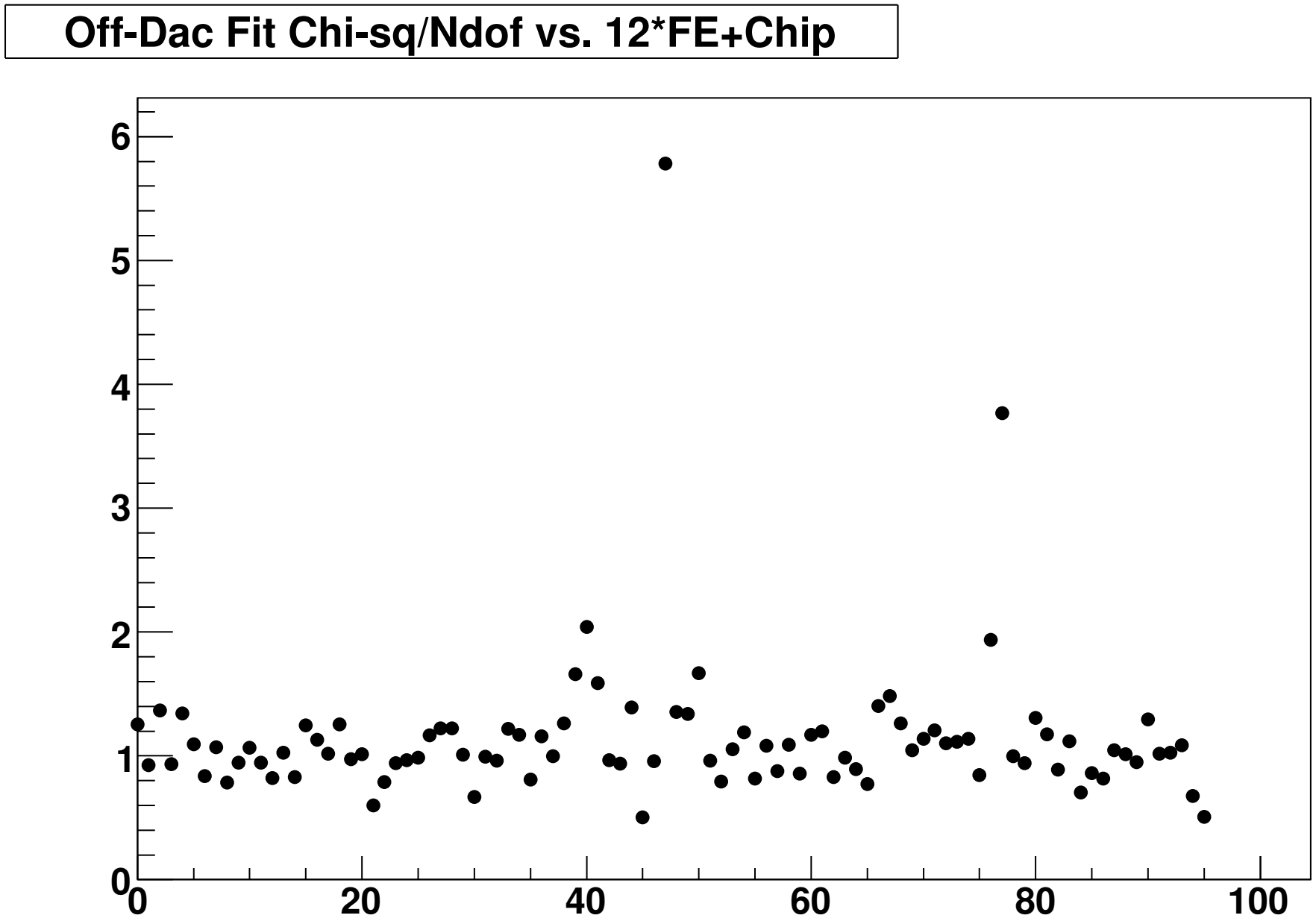

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.44
1.42
1.4
1.38
1.36
0
20
40
60
80
100

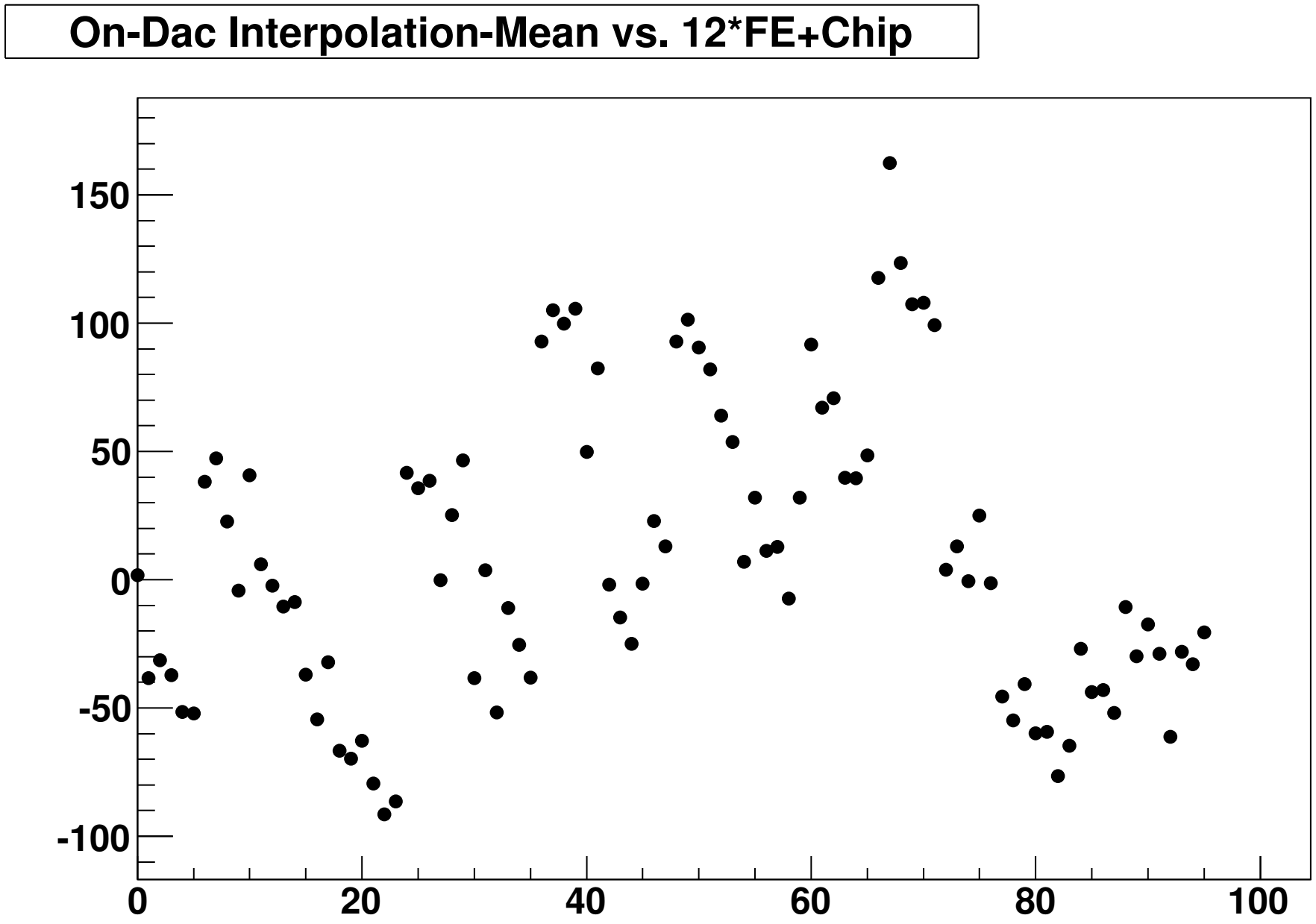

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
39
38
37
36
35
34
33
32
0
20
40
60
80
100

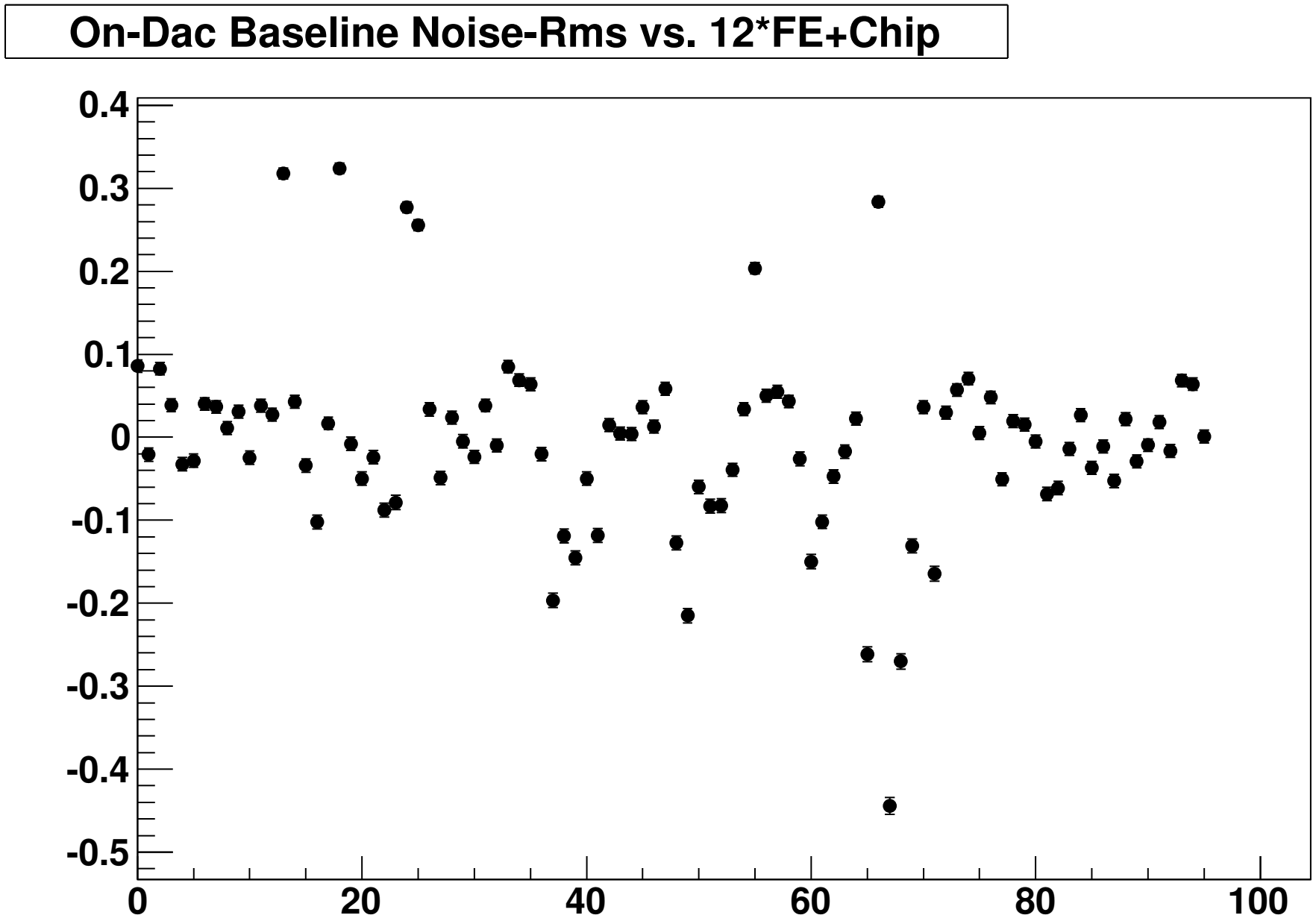

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
180
160
140
120
100
80
60
40
20
0
20
40
60
80
100

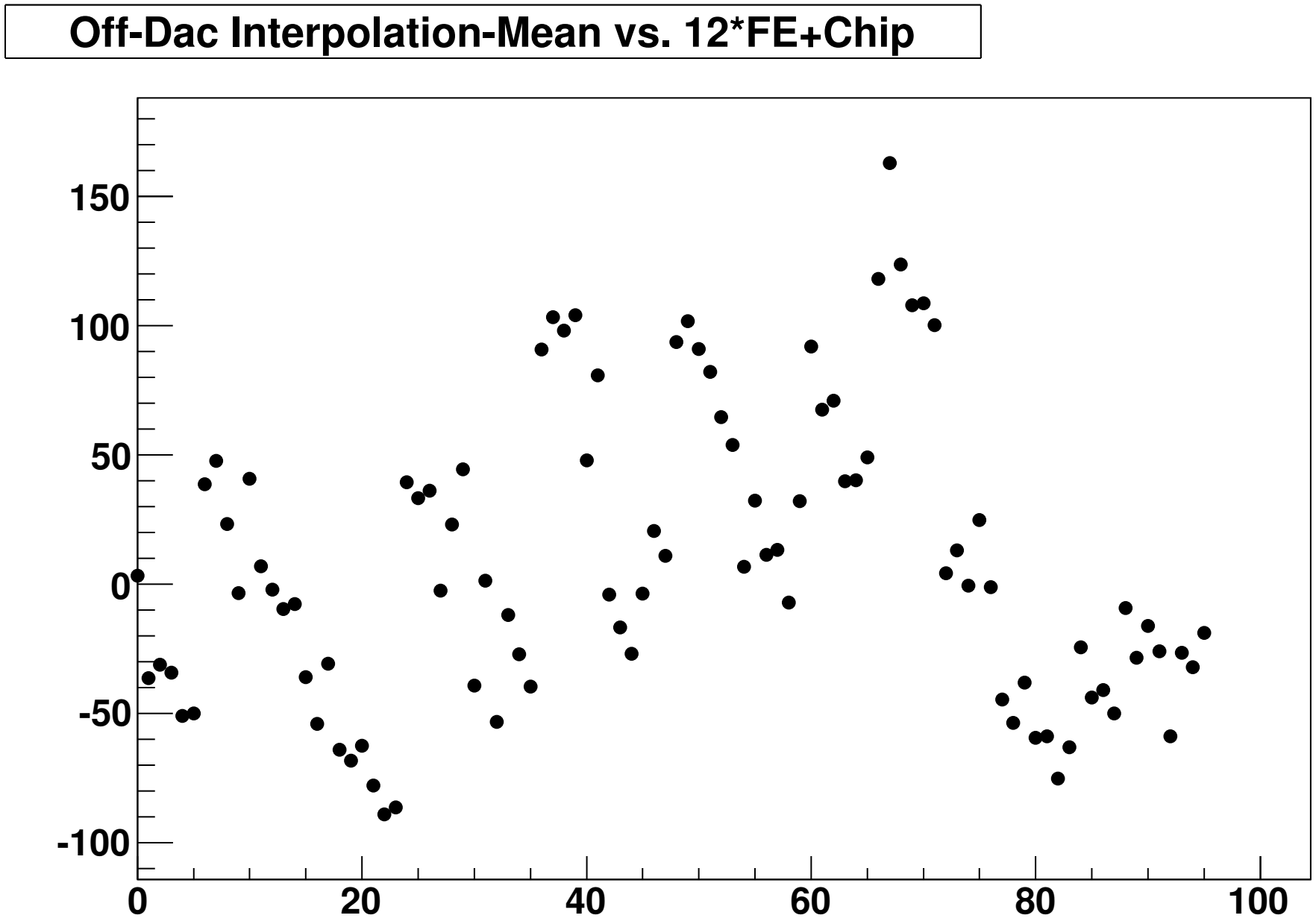

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

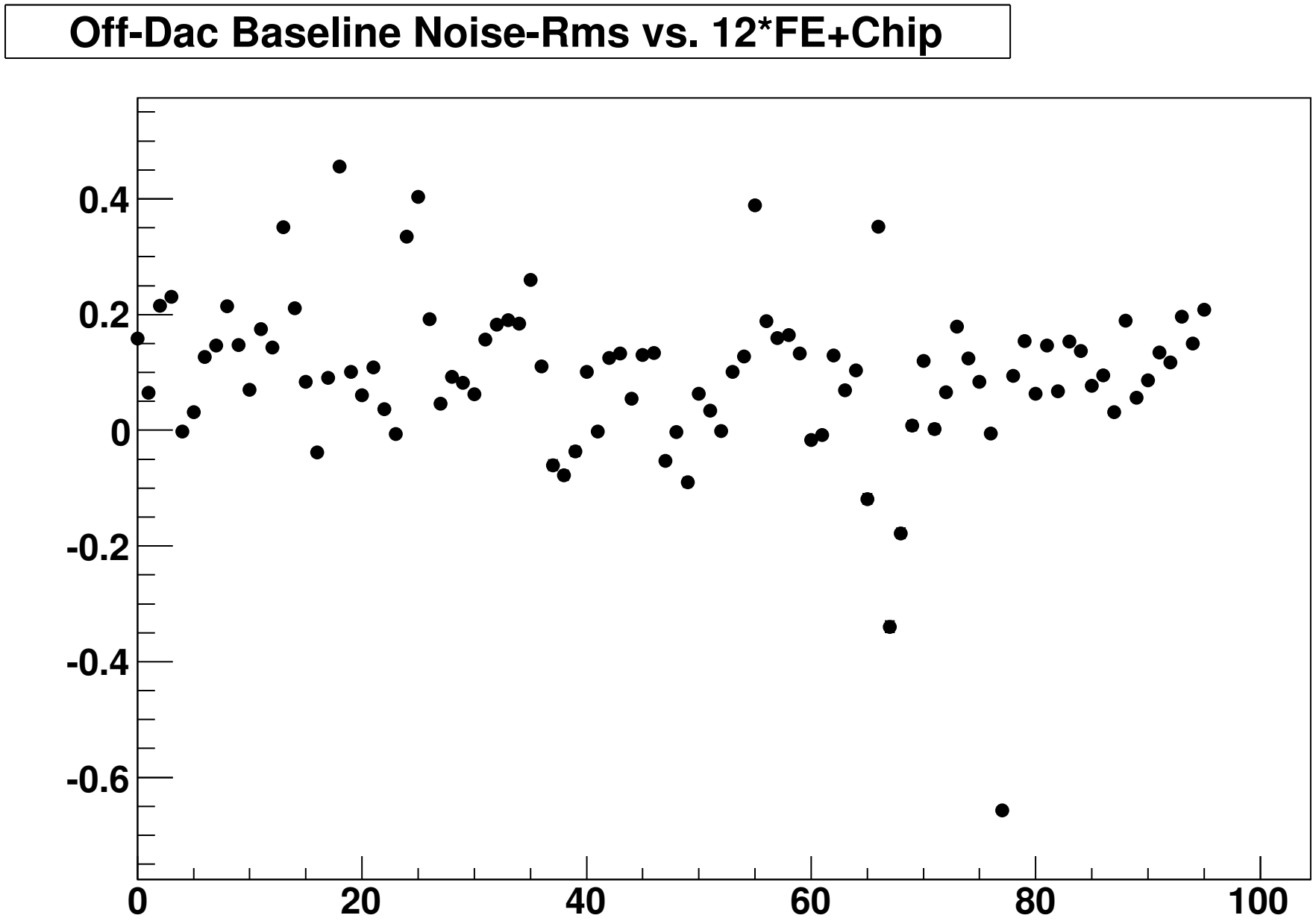

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
20
15
10
5
0
-5
-10
-15
-20
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
1
2
3
4
5
6
0
20
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
0
20
40
60
80
100


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


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