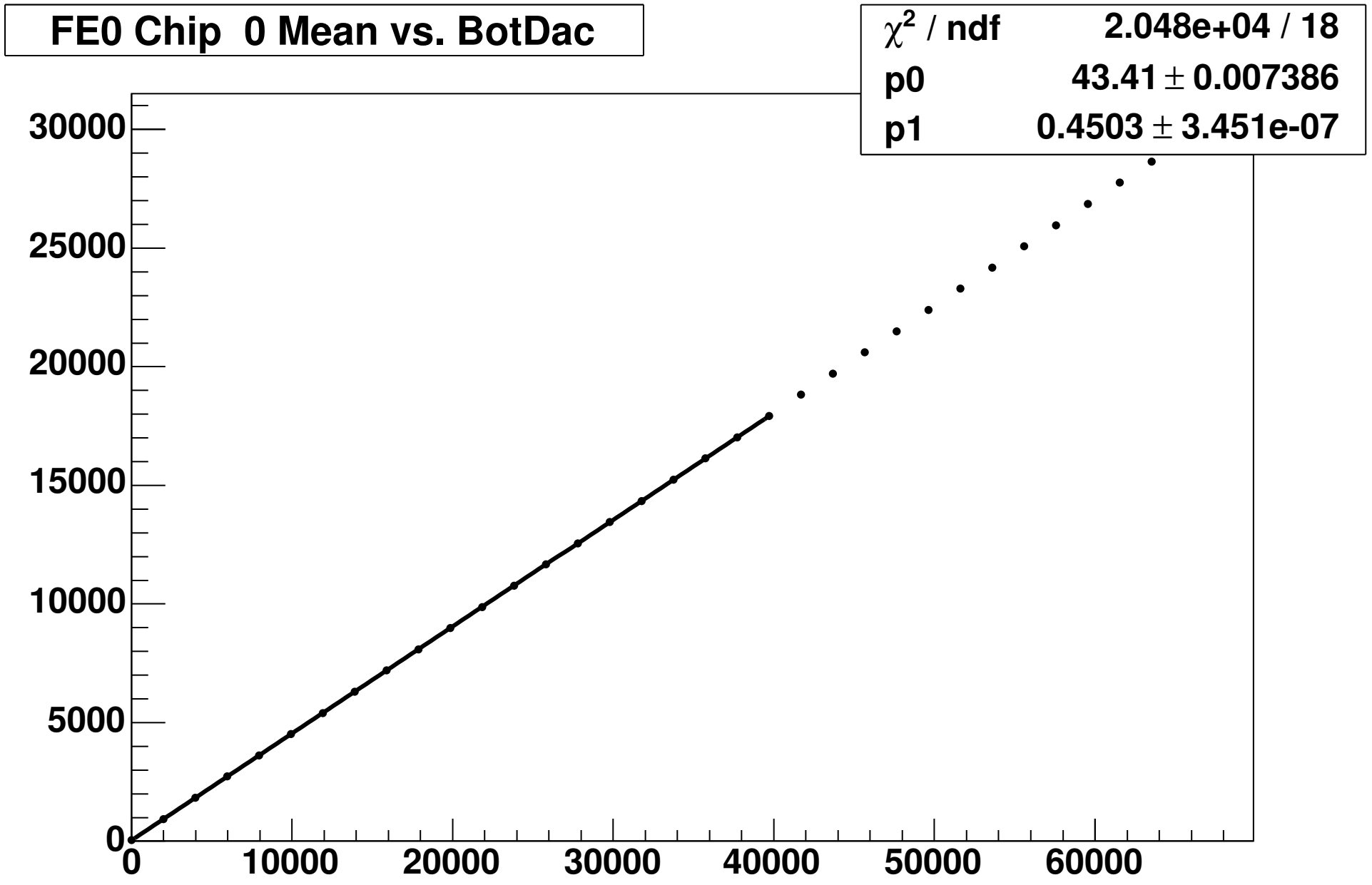
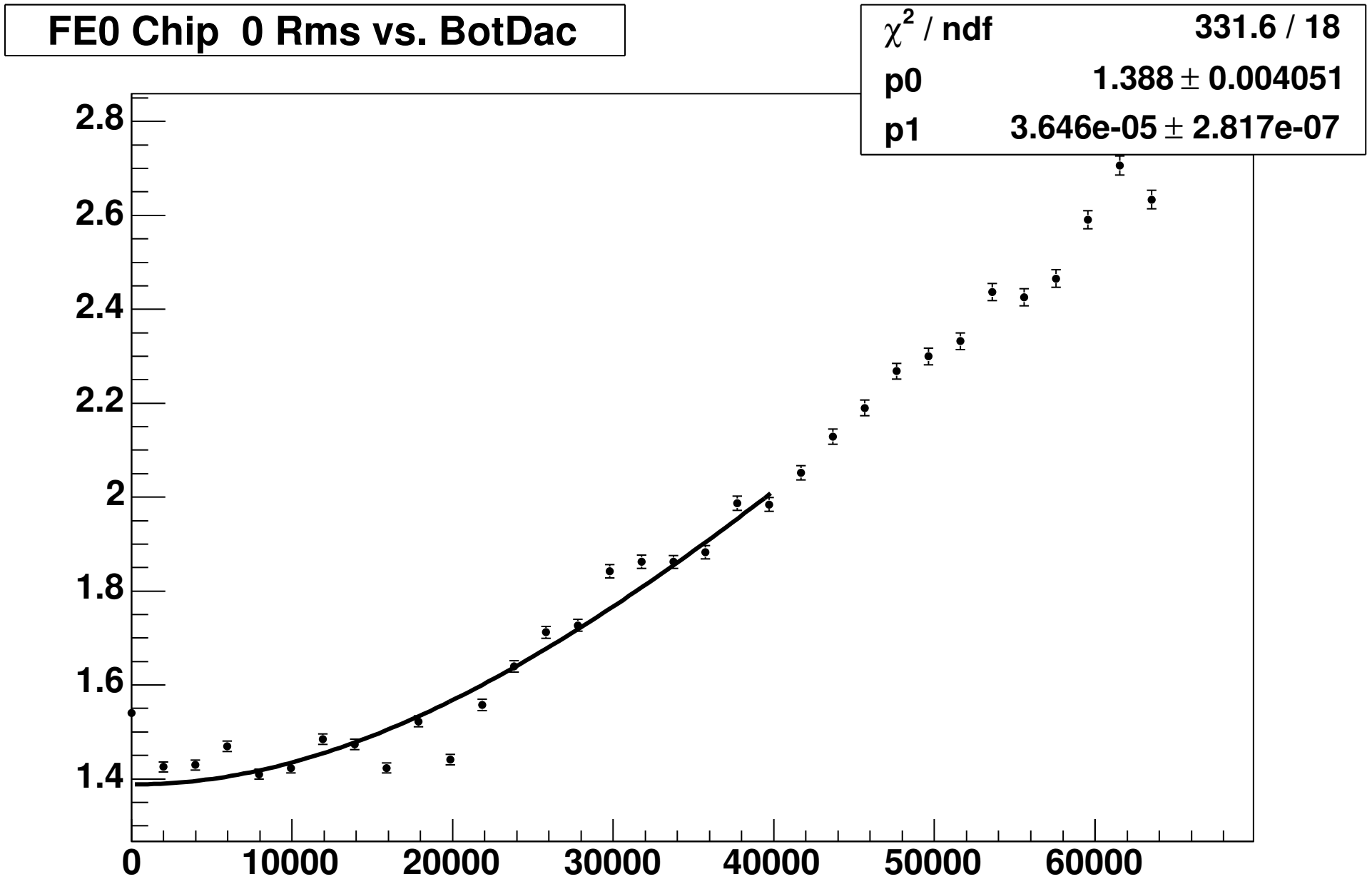

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 2.048e+04 / 18
p0 43.41 ± 0.007386
p1 0.4503 ± 3.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 331.6 / 18
p0 1.388 ± 0.004051
p1 3.646e-05 ± 2.817e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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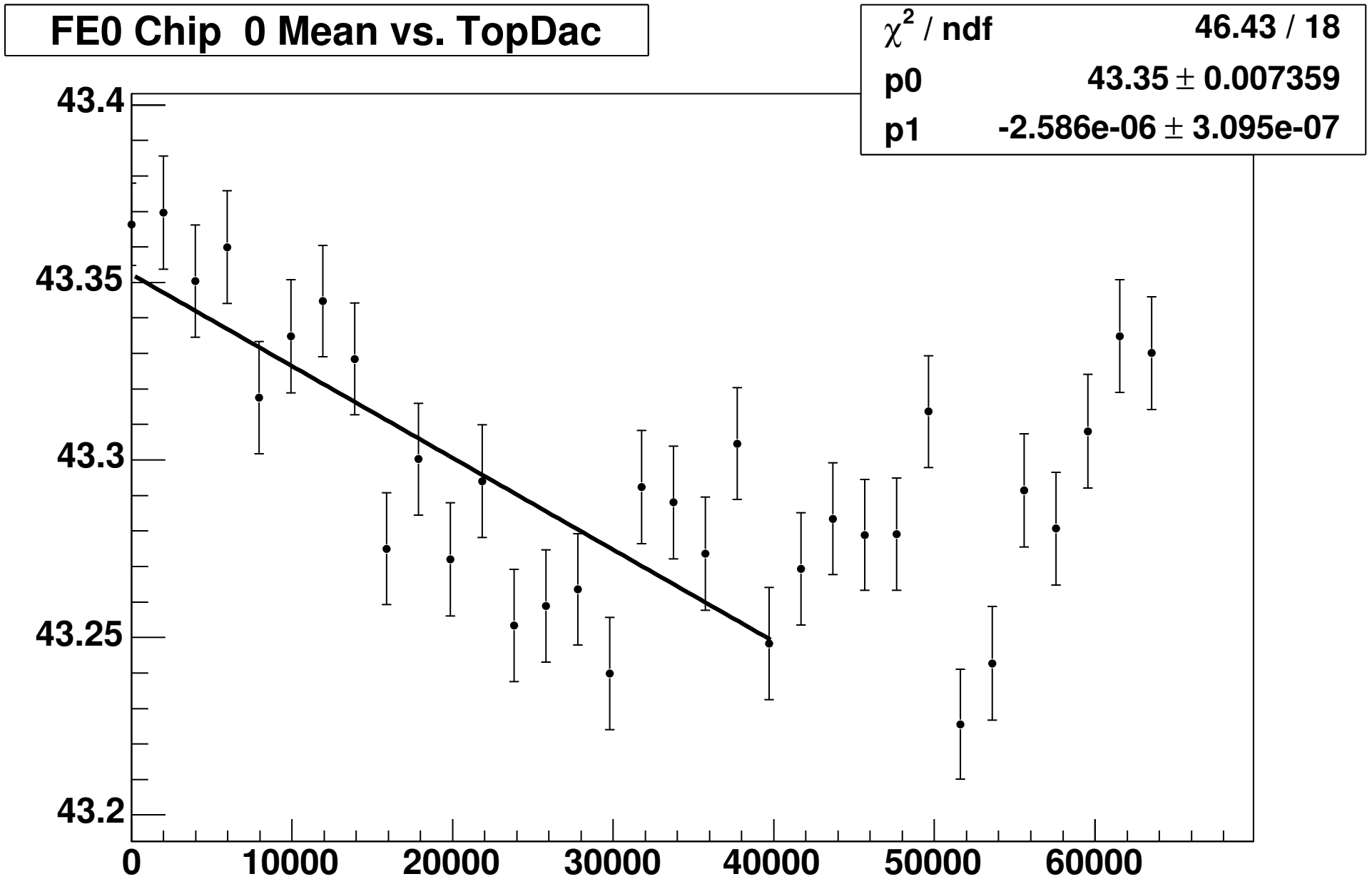
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 46.43 / 18
p0 43.35 ± 0.007359
p1 -2.586e-06 ± 3.095e-07
43.4
43.35
43.3
43.25
43.2
0
10000
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30000
40000
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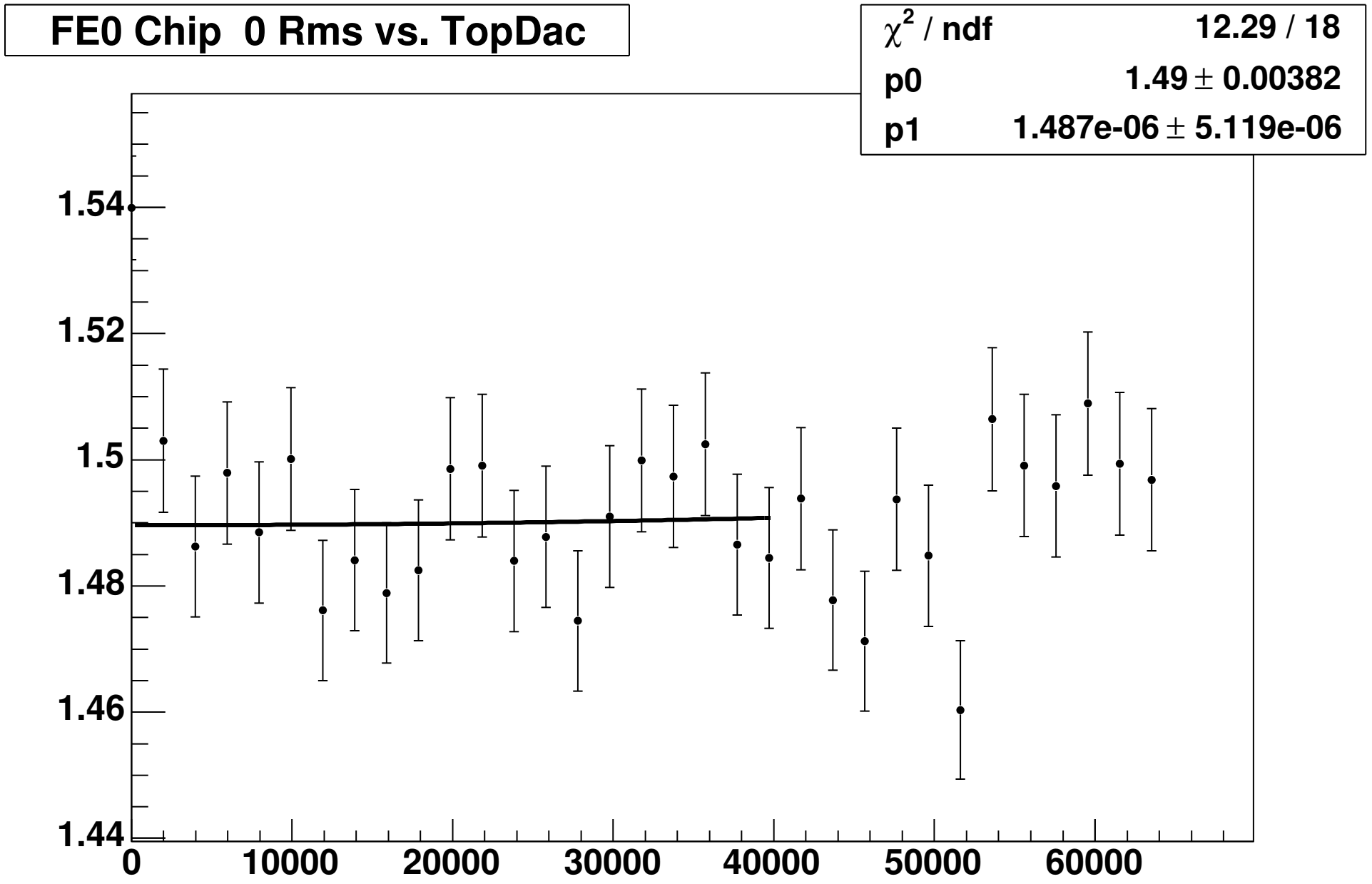
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 12.29 / 18
p0 1.49 ± 0.00382
p1 1.487e-06 ± 5.119e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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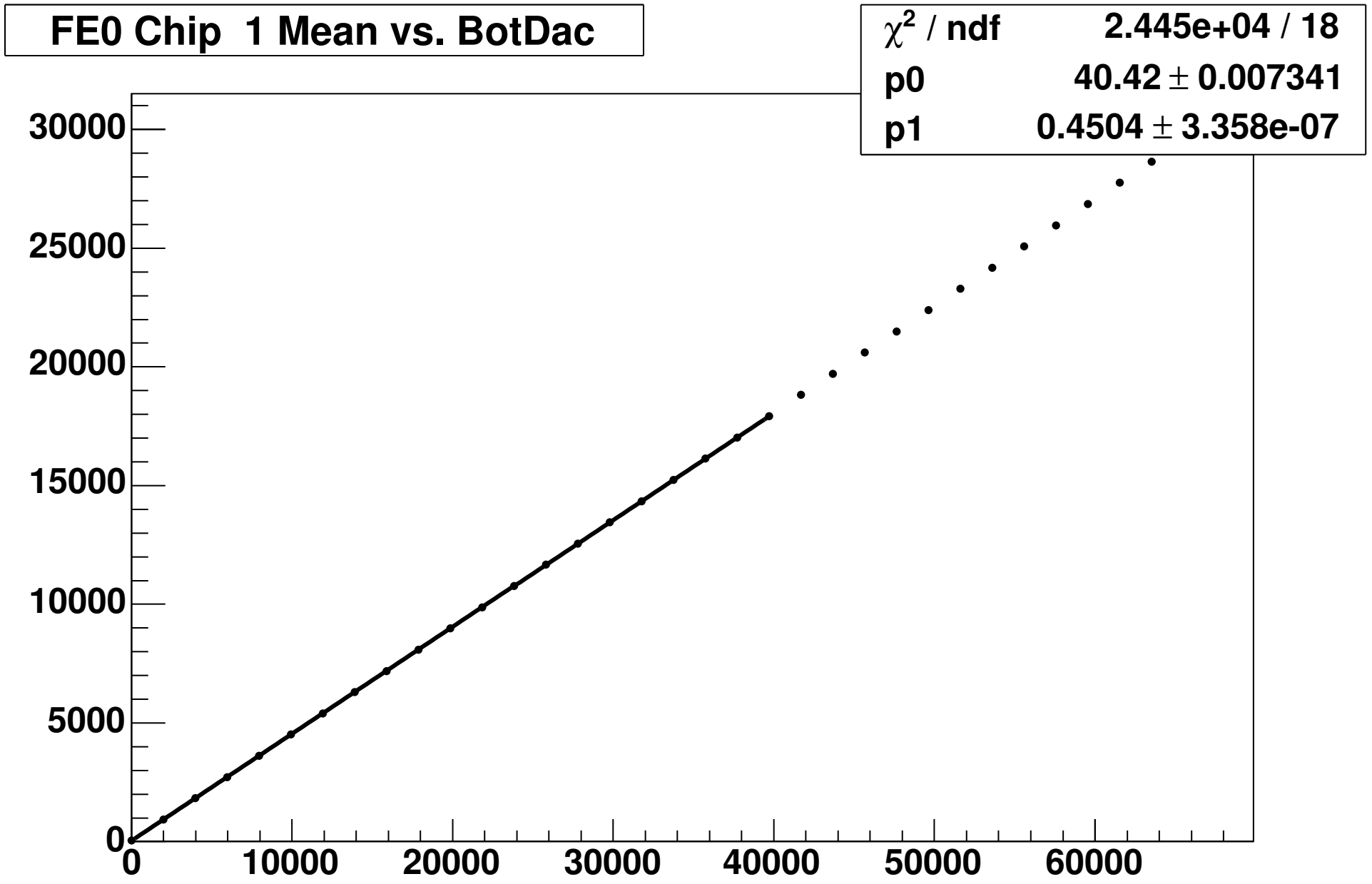
40000
50000
60000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 2.445e+04 / 18
p0 40.42 ± 0.007341
p1 0.4504 ± 3.358e-07
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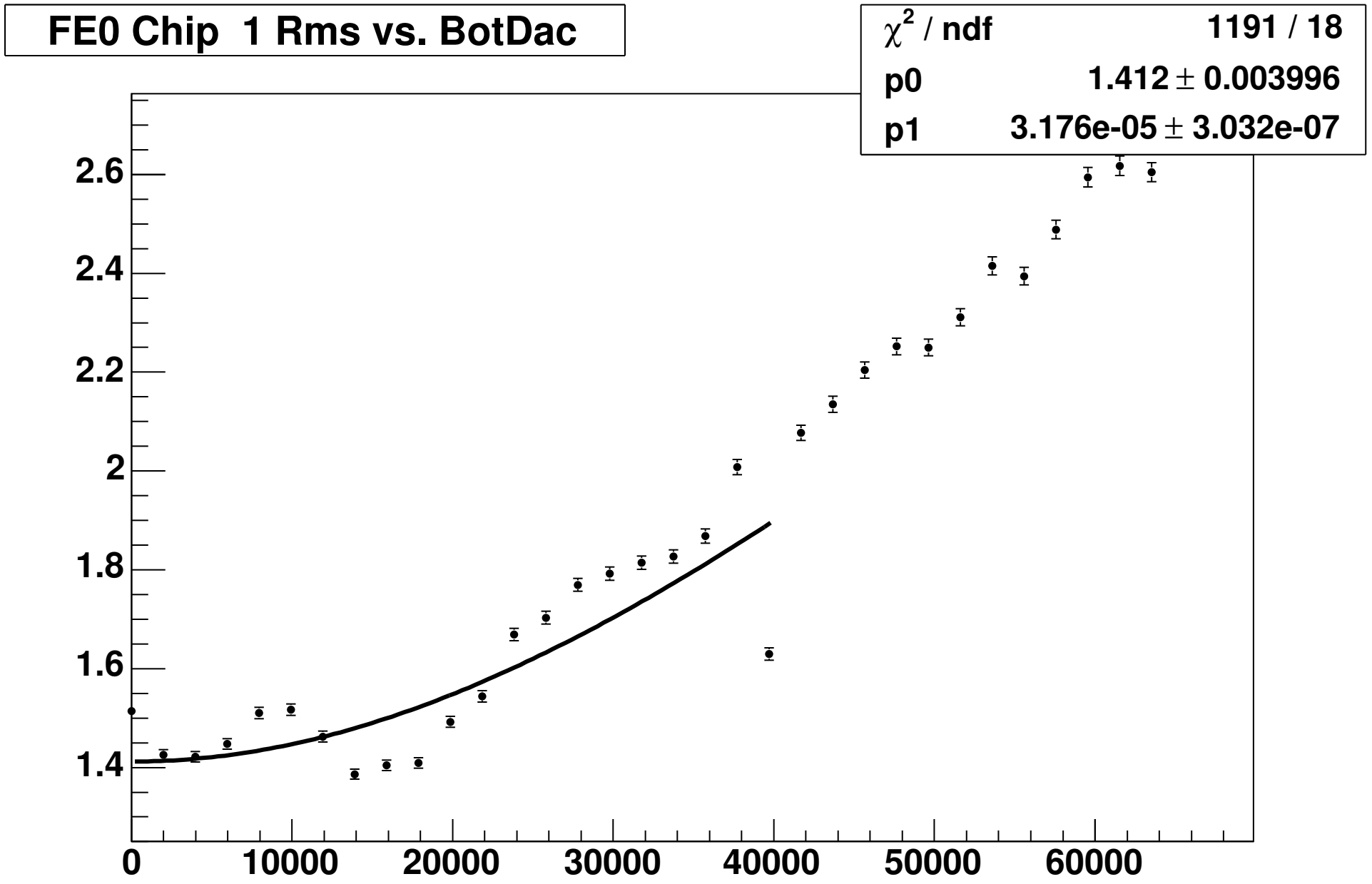
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 1191 / 18
p0 1.412 ± 0.003996
p1 3.176e-05 ± 3.032e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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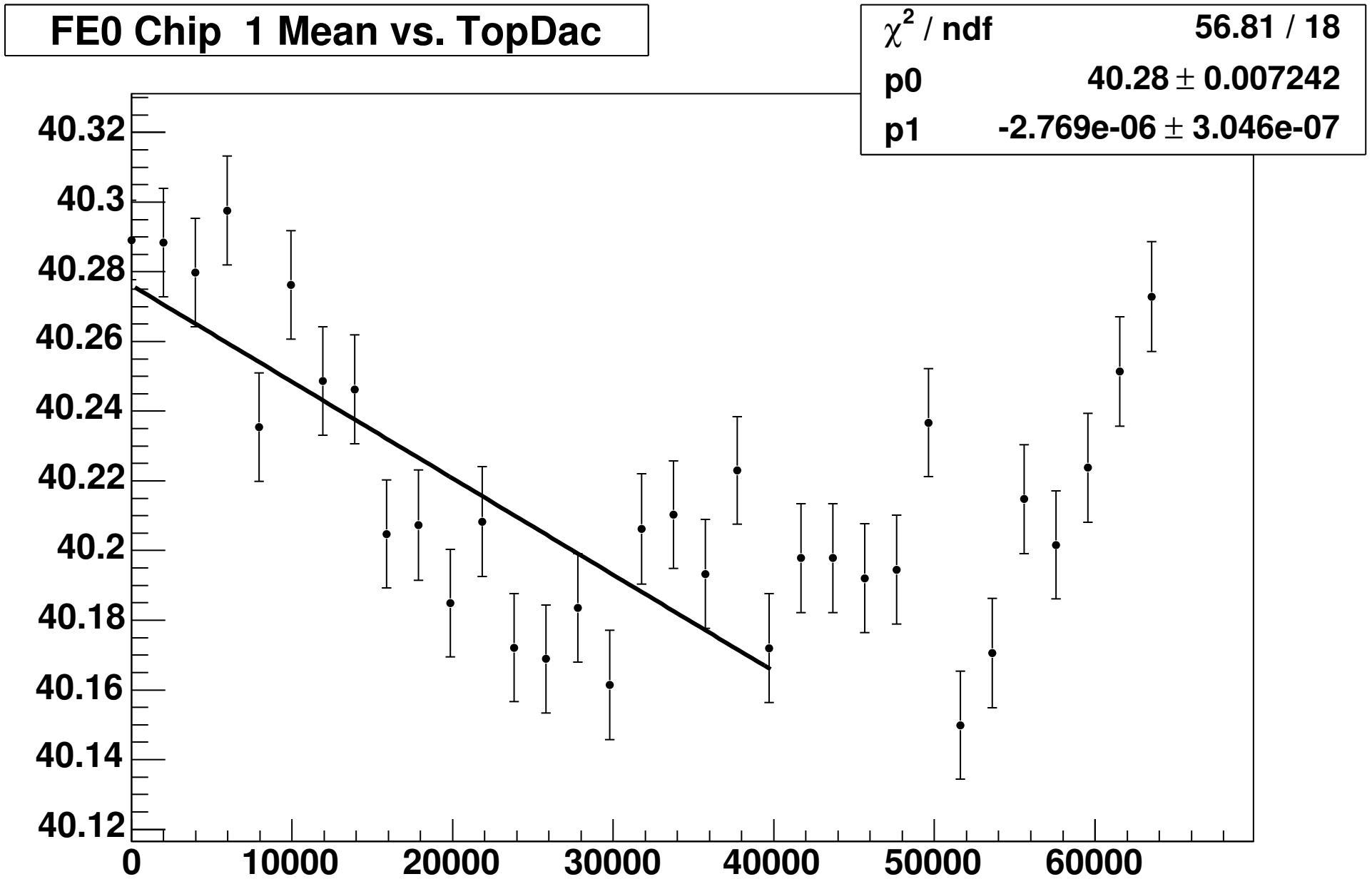
30000
40000
50000
60000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 56.81 / 18
p0 40.28 ± 0.007242
p1 -2.769e-06 ± 3.046e-07
40.32
40.3
40.28
40.26
40.24
40.22
40.2
40.18
40.16
40.14
40.12
0
10000
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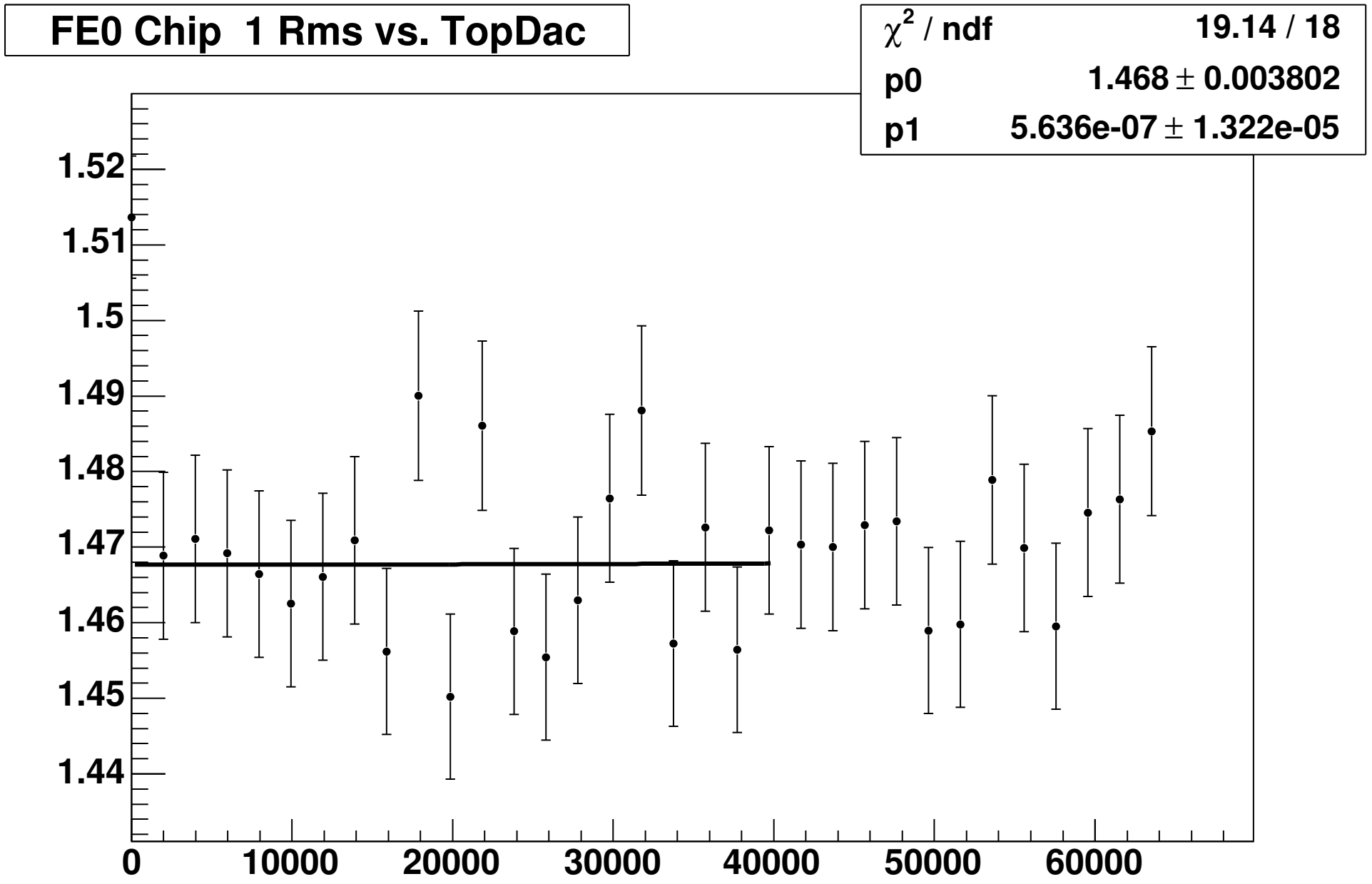
60000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 19.14 / 18
p0 1.468 ± 0.003802
p1 5.636e-07 ± 1.322e-05
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
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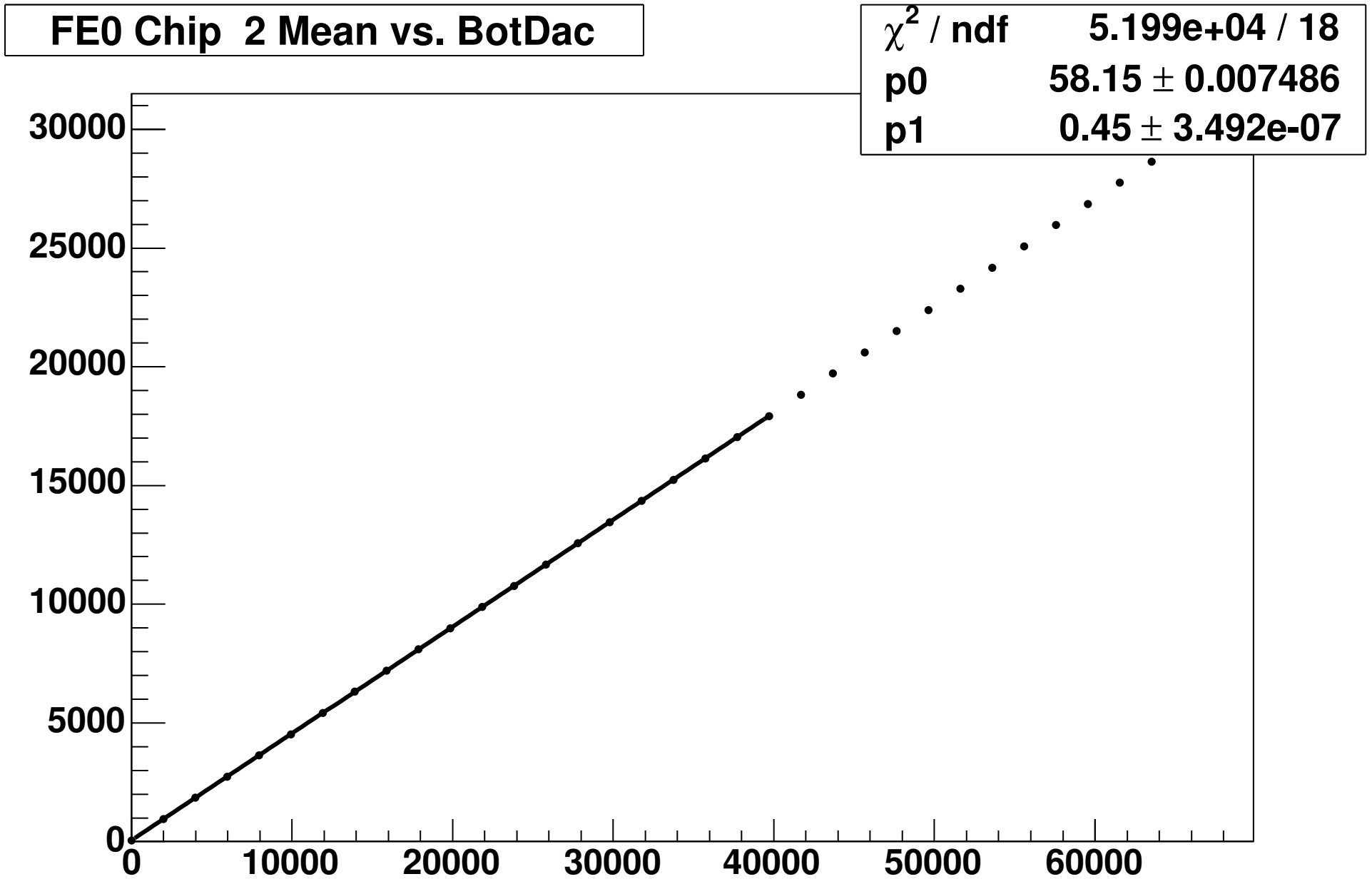
40000
50000
60000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 5.199e+04 / 18
p0 58.15 ± 0.007486
p1 0.45 ± 3.492e-07
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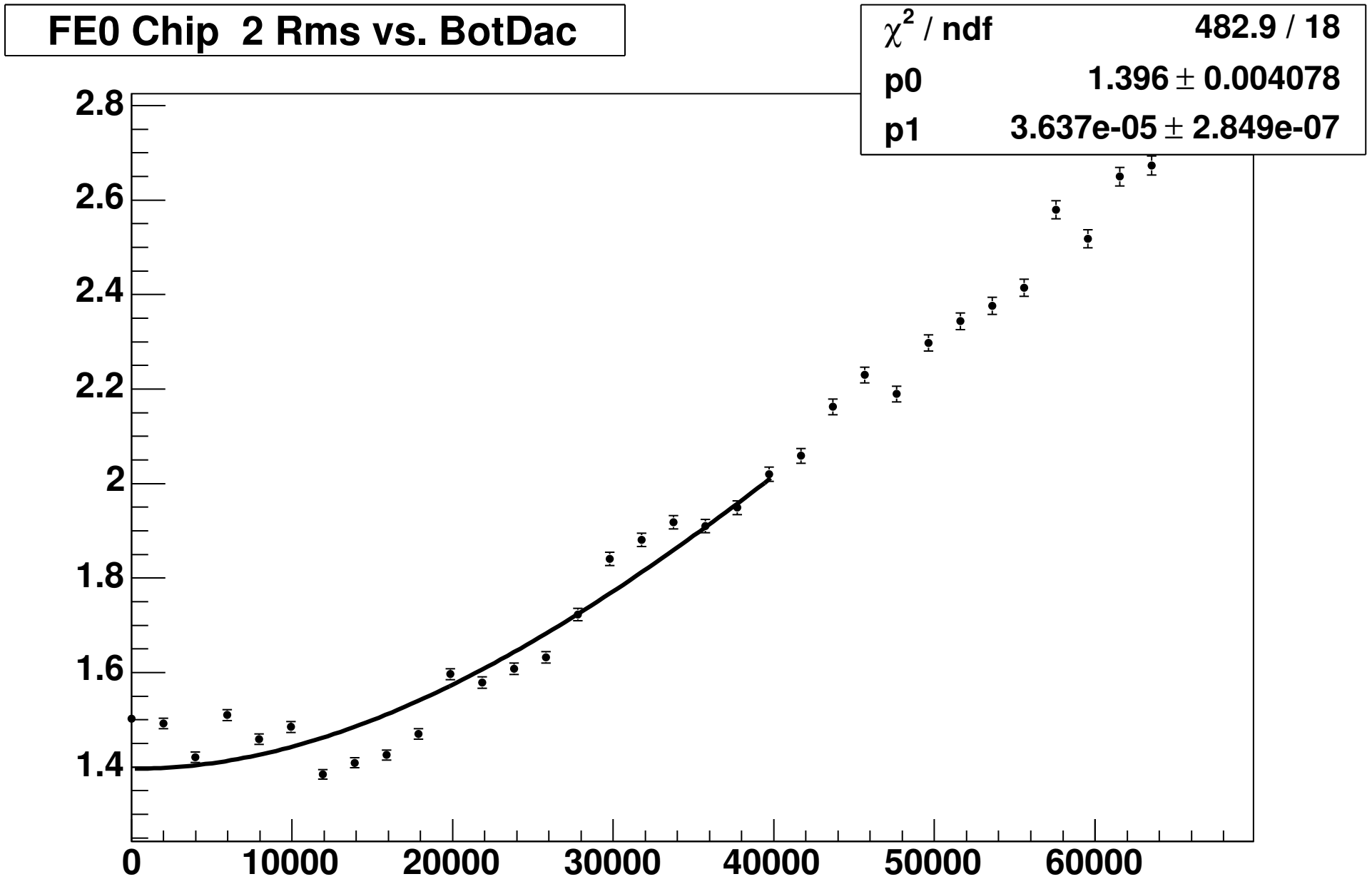
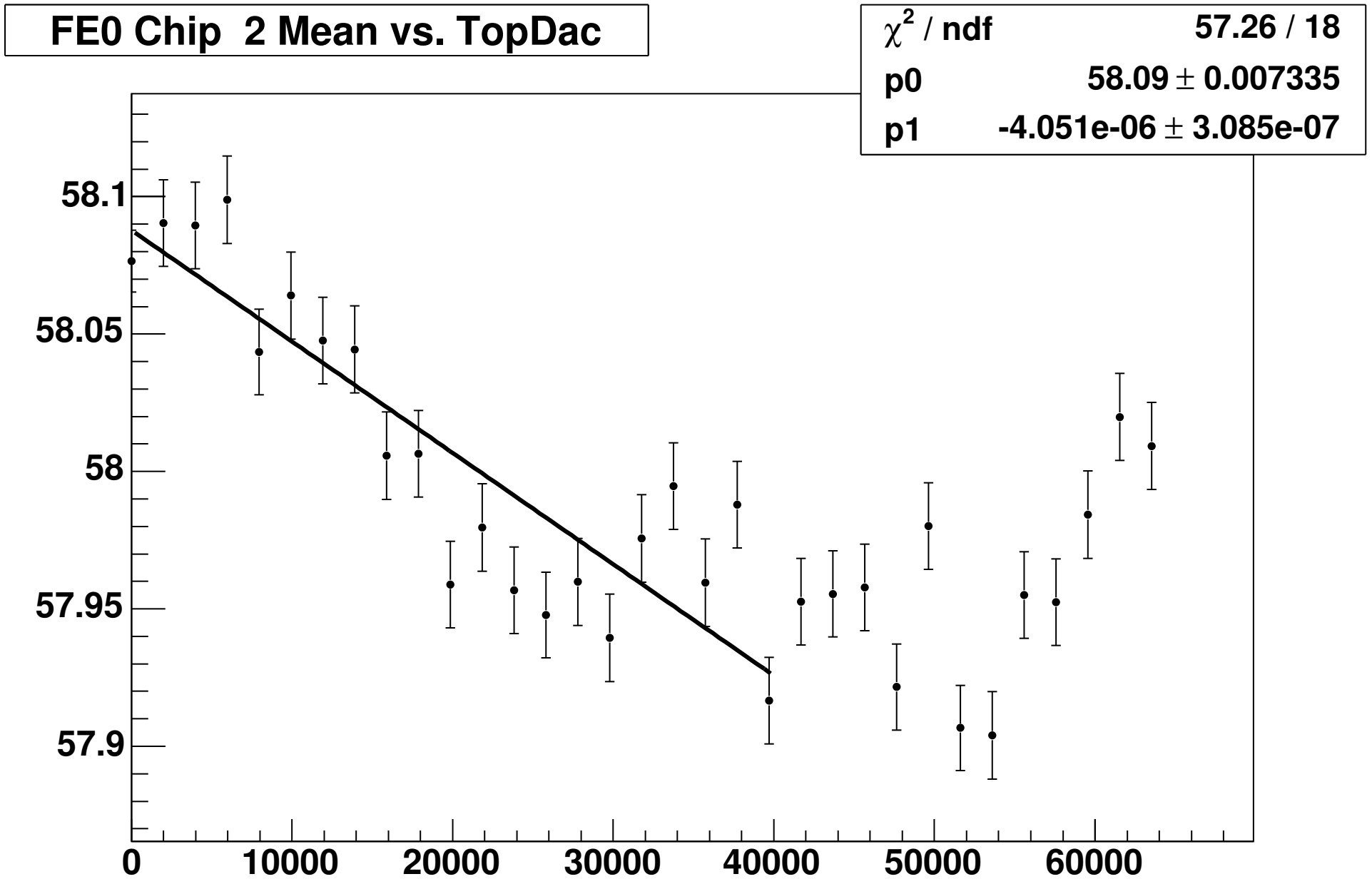
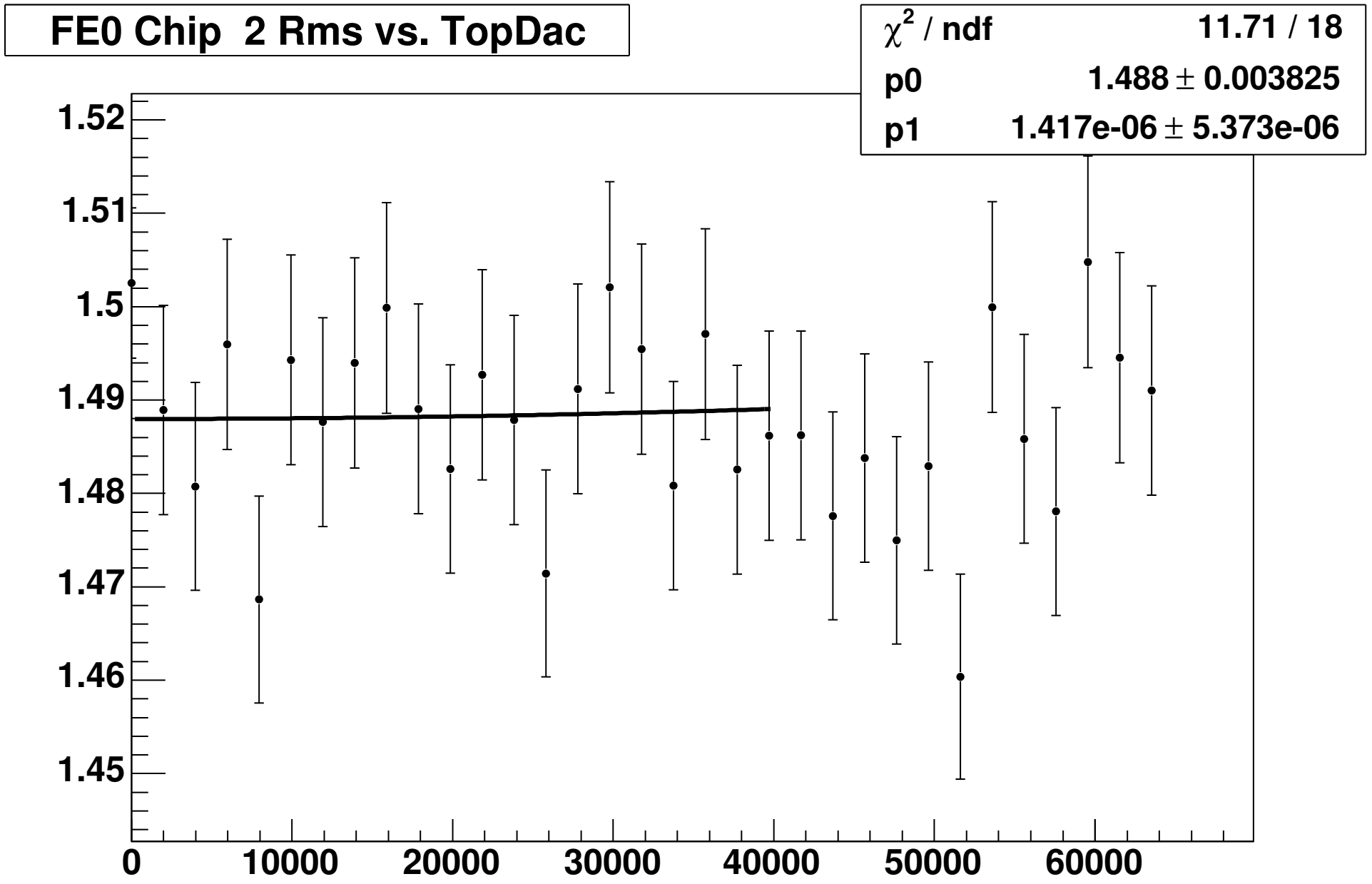
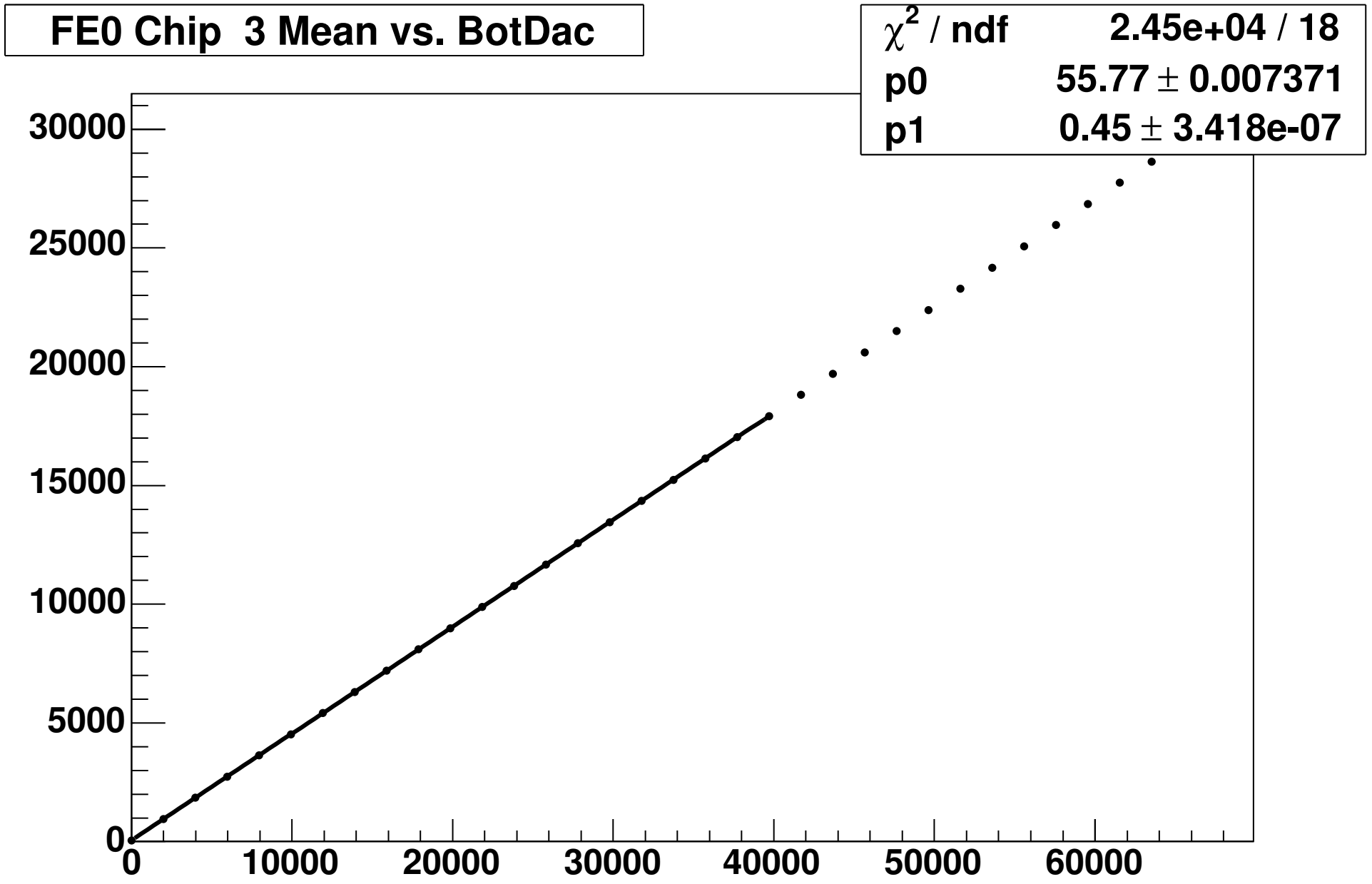
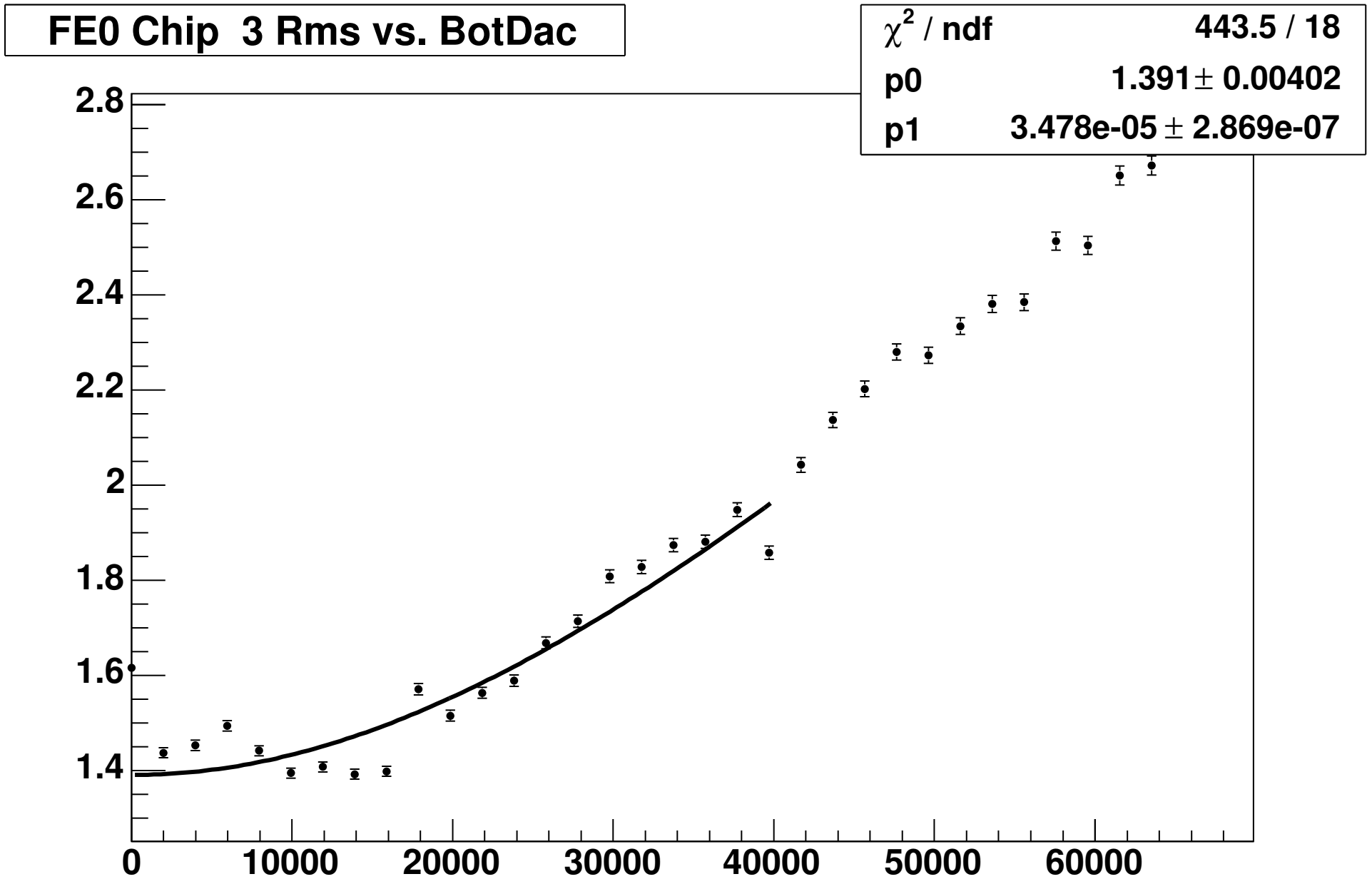
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

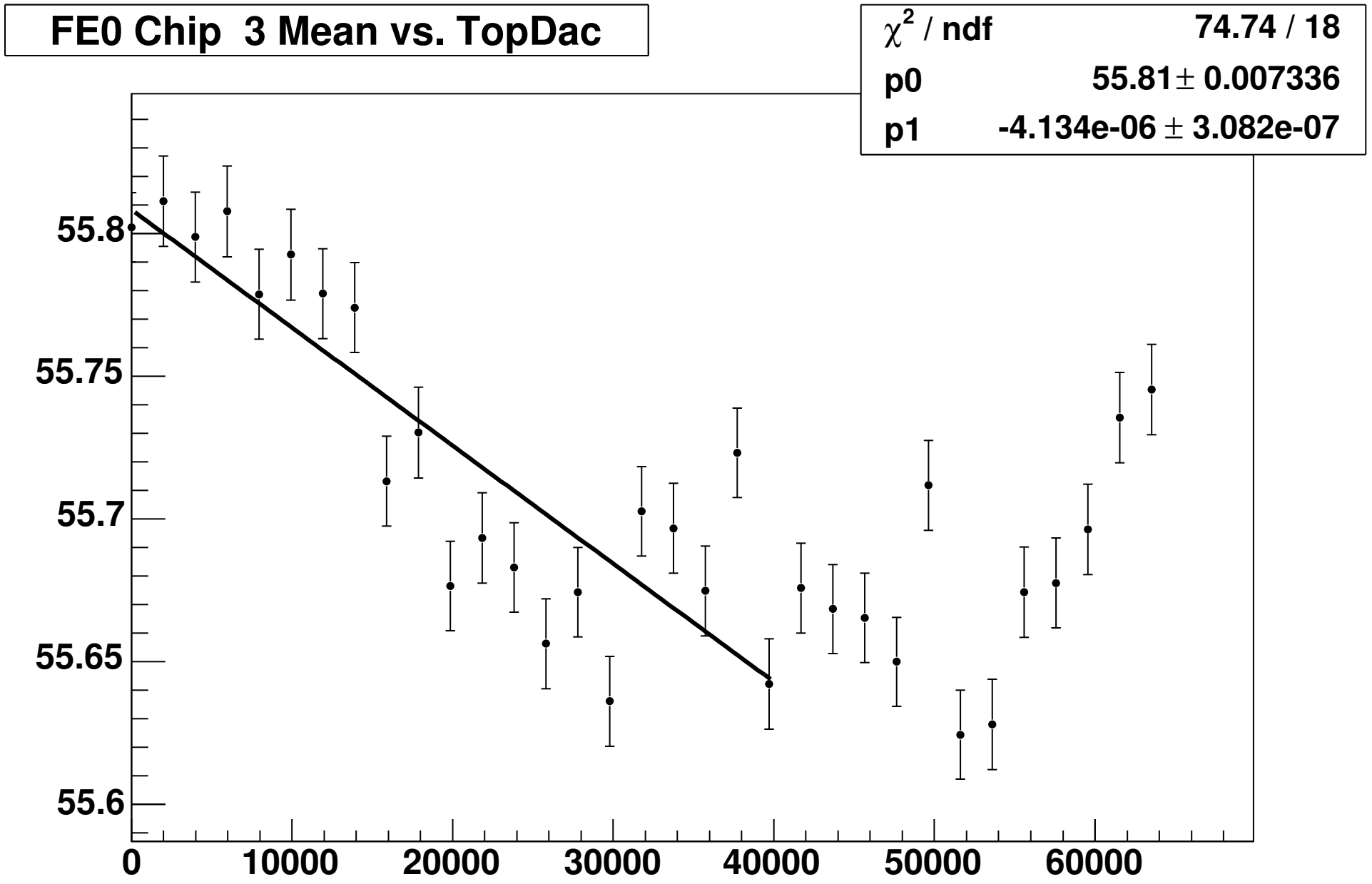

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 482.9 / 18
p0 1.396 ± 0.004078
p1 3.637e-05 ± 2.849e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

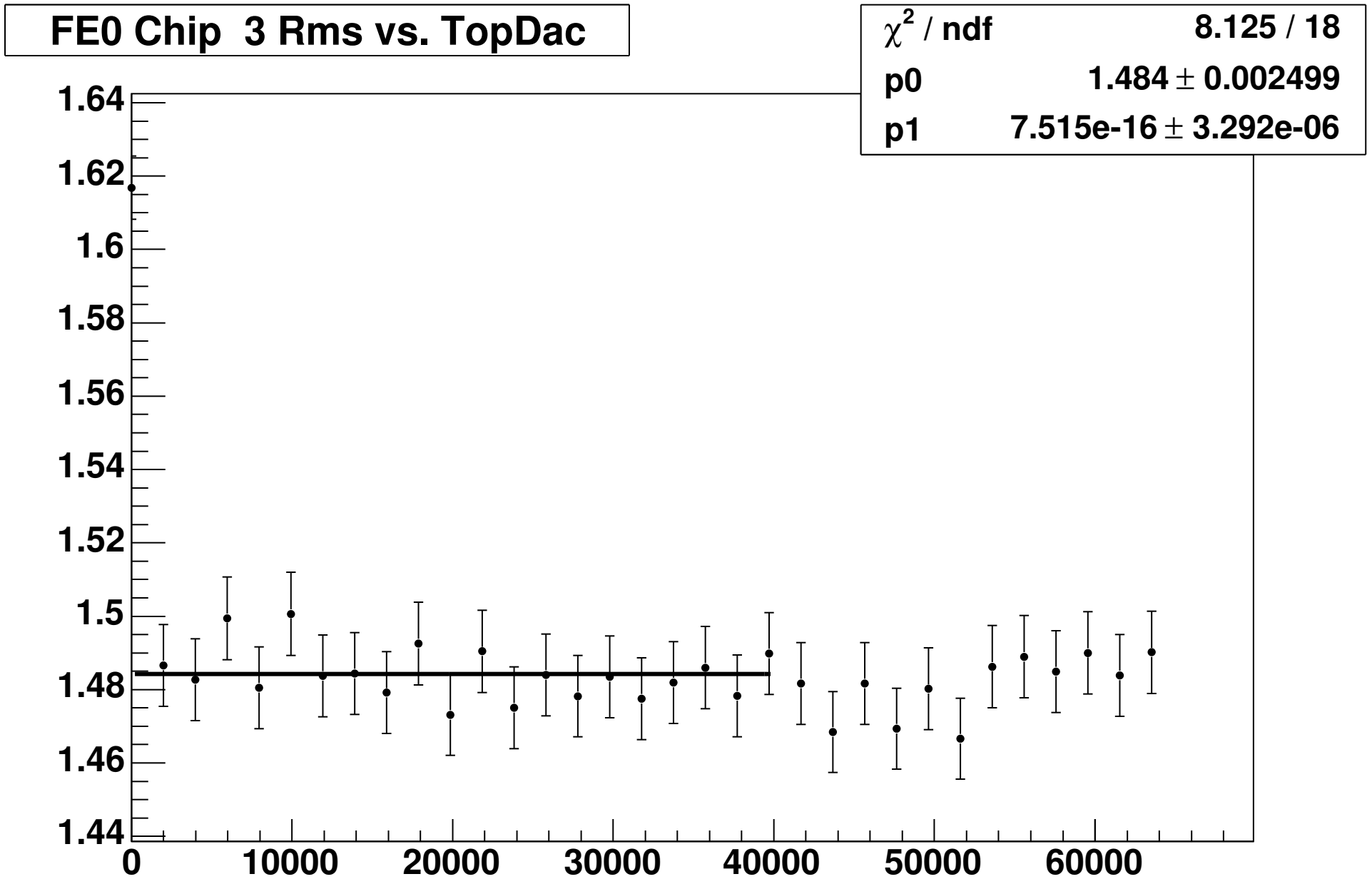

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 57.26 / 18
p0 58.09 ± 0.007335
p1 -4.051e-06 ± 3.085e-07
58.1
58.05
58
57.95
57.9
0
10000
20000
30000
40000
50000
60000

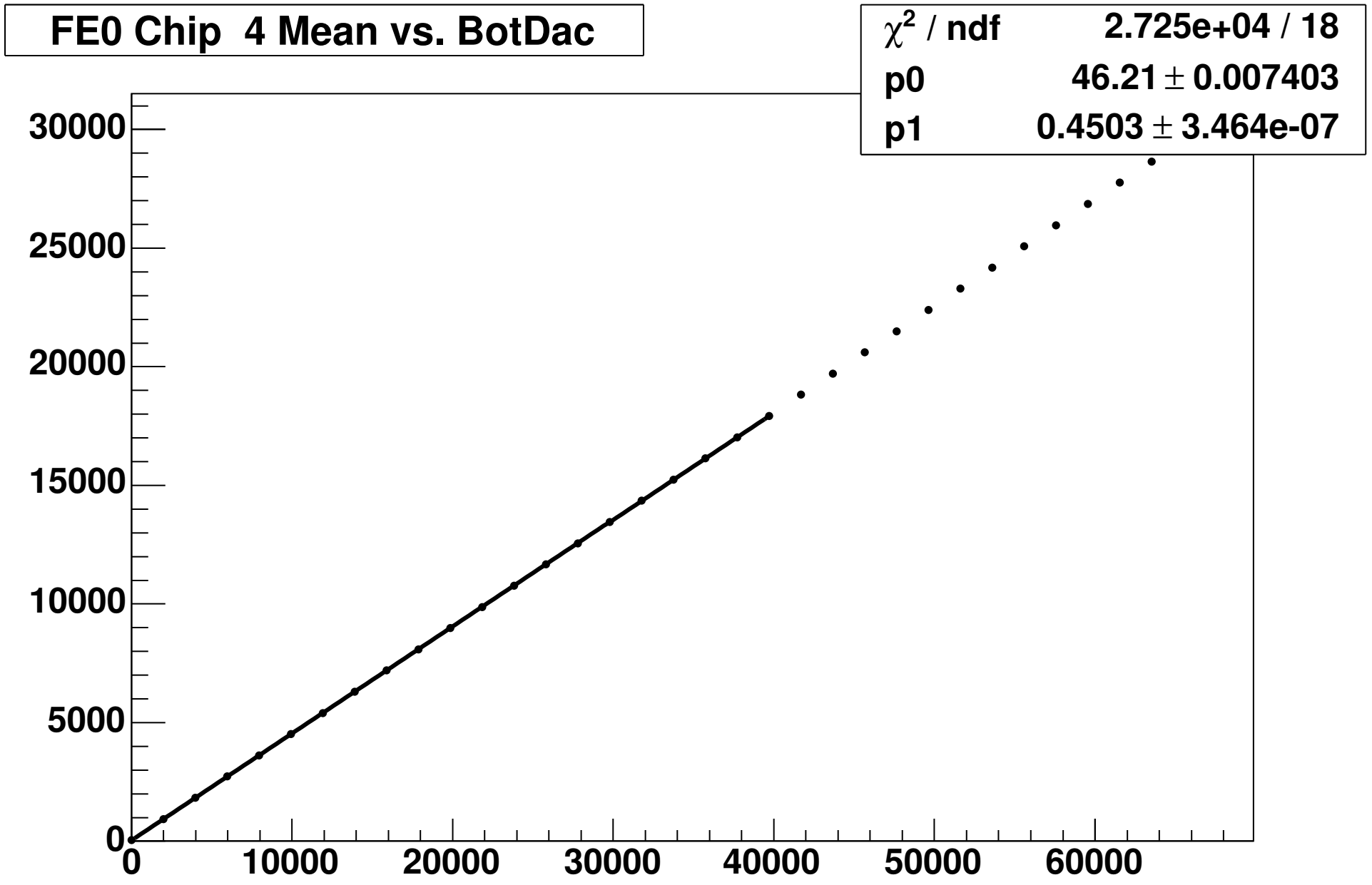

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 11.71 / 18
p0 1.488 ± 0.003825
p1 1.417e-06 ± 5.373e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

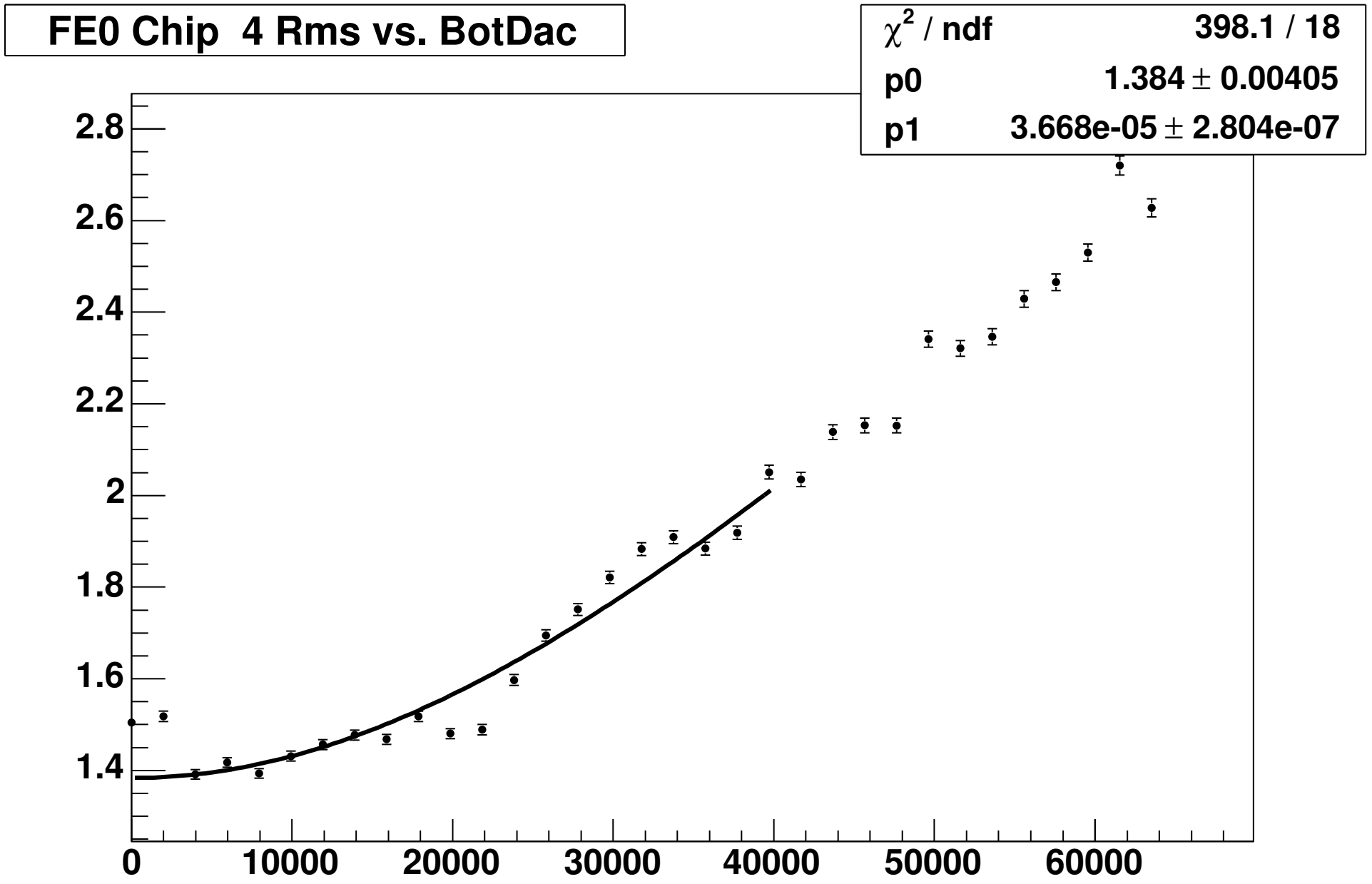

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 2.45e+04 / 18
p0 55.77 ± 0.007371
p1 0.45 ± 3.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

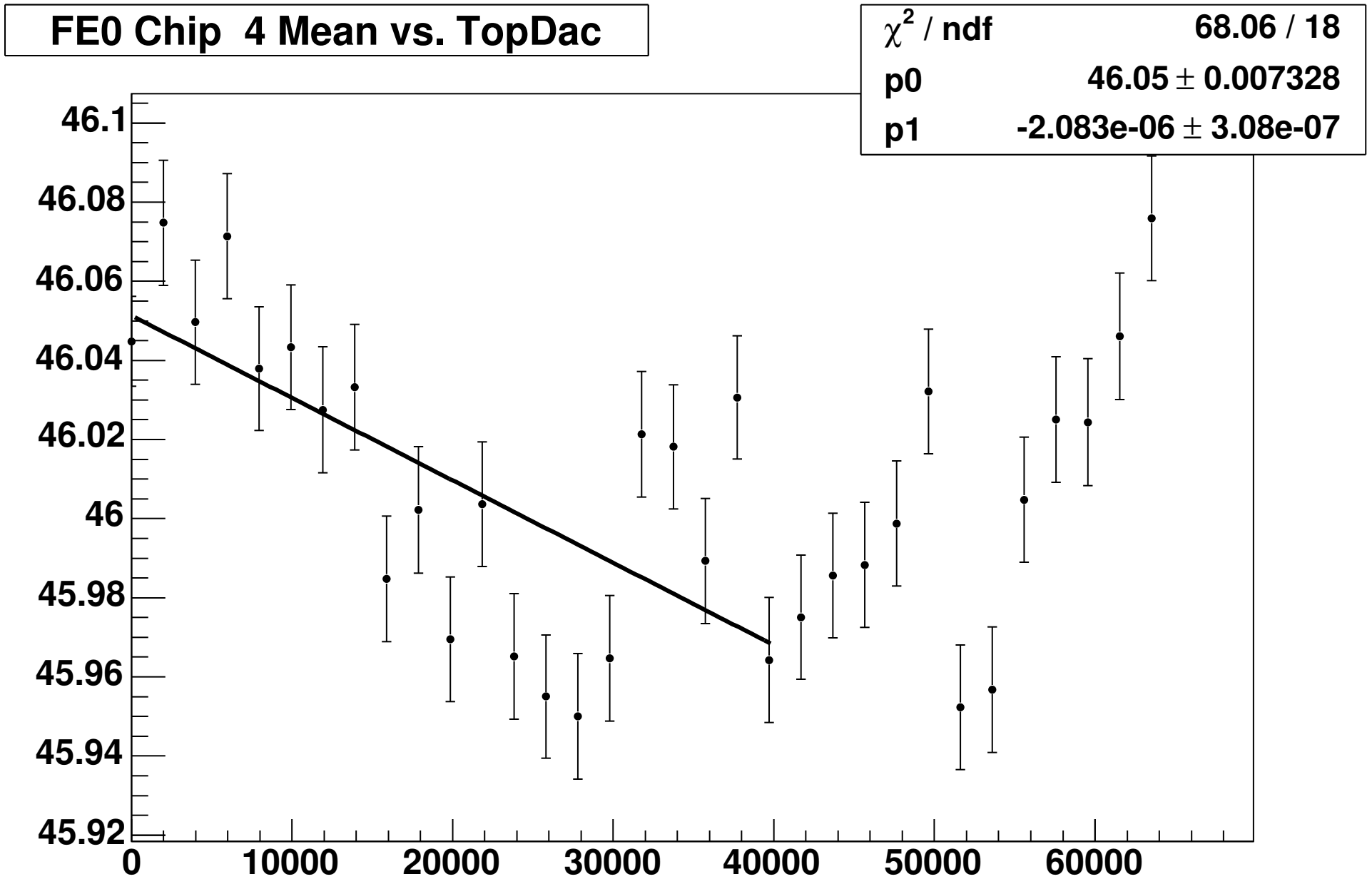

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 443.5 / 18
p0 1.391 ± 0.00402
p1 3.478e-05 ± 2.869e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

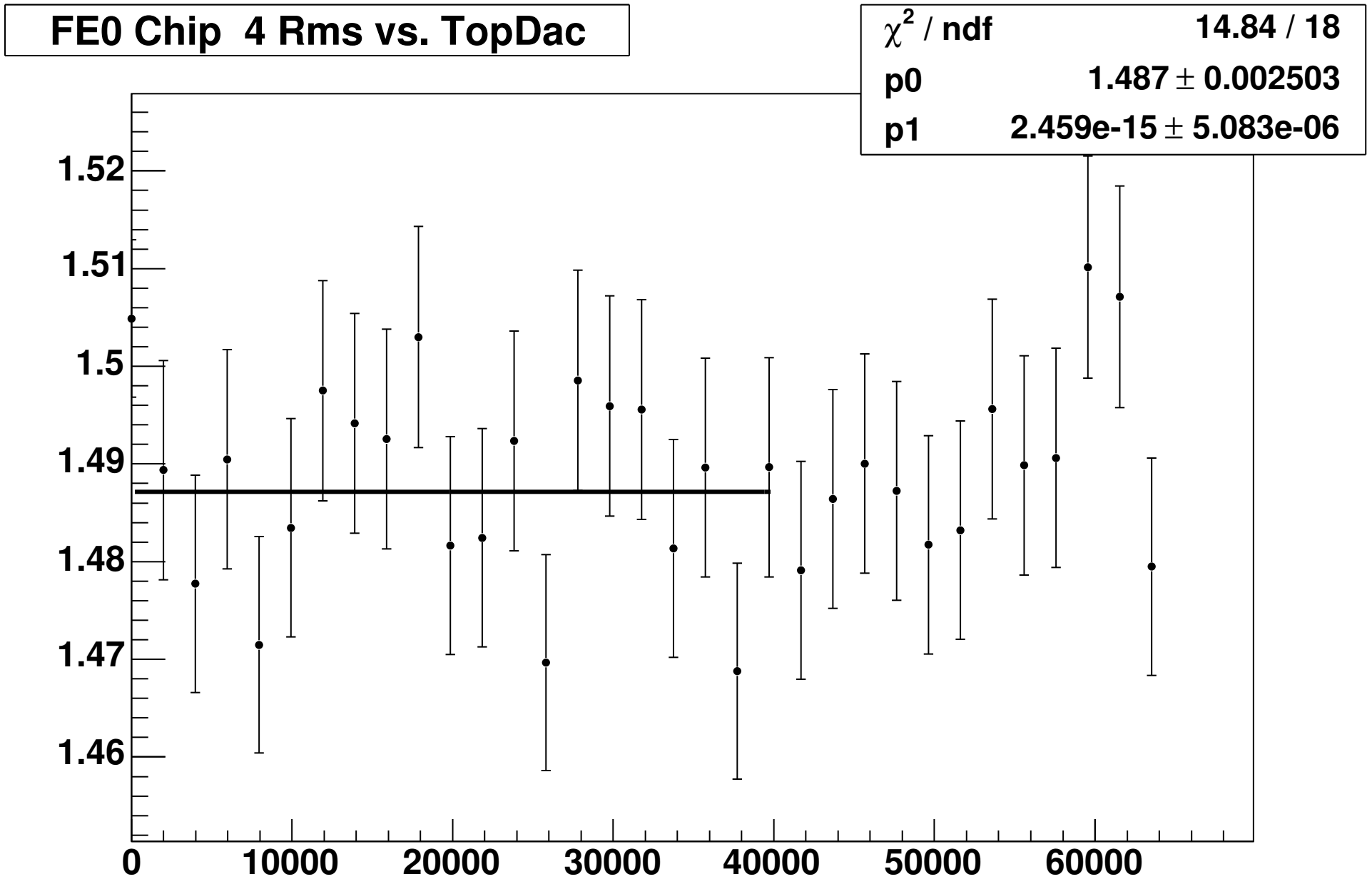

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 74.74 / 18
p0 55.81 ± 0.007336
p1 -4.134e-06 ± 3.082e-07
55.8
55.75
55.7
55.65
55.6
0
10000
20000
30000
40000
50000
60000

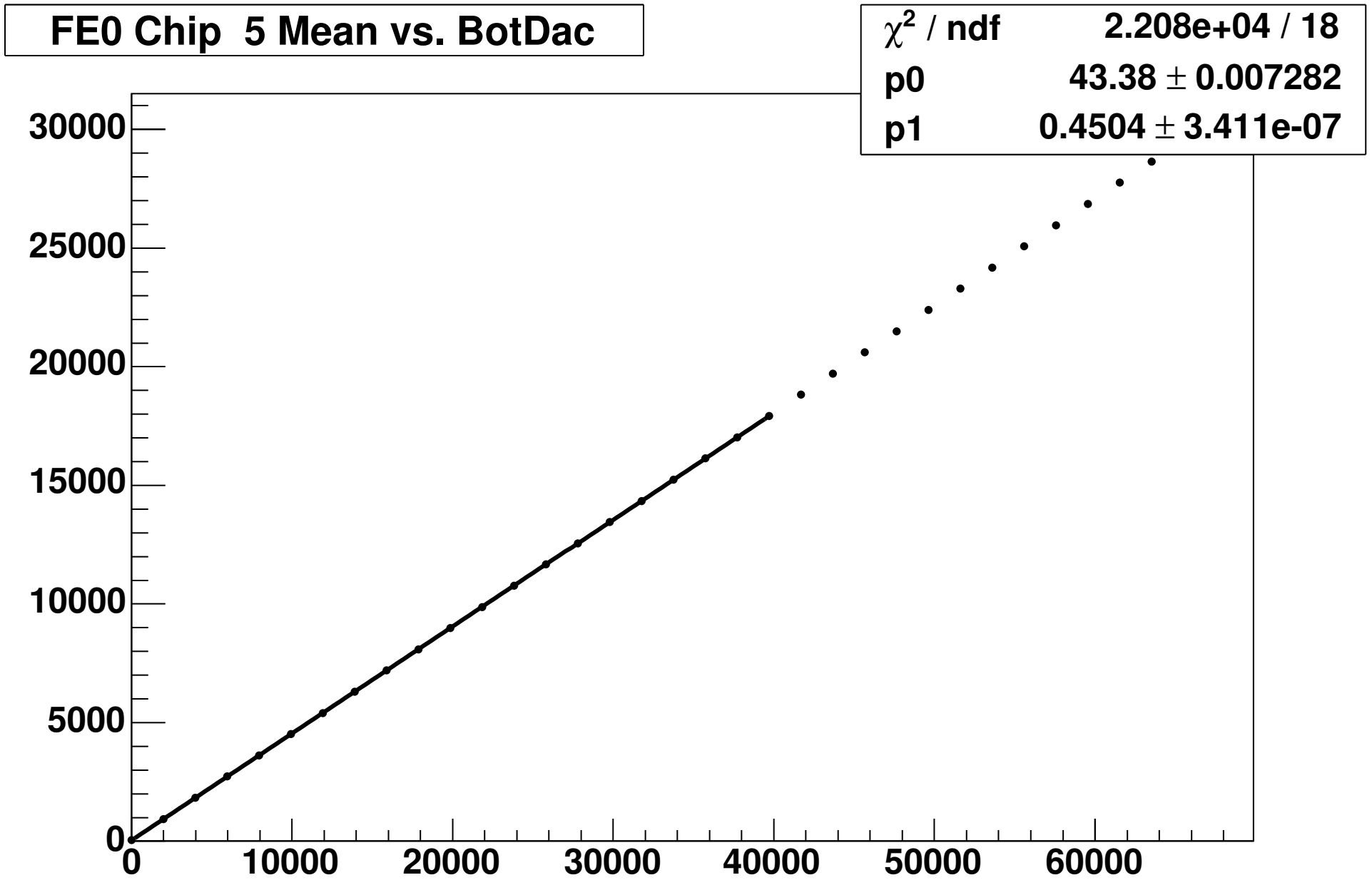

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 8.125 / 18
p0 1.484 ± 0.002499
p1 7.515e-16 ± 3.292e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 2.725e+04 / 18
p0 46.21 ± 0.007403
p1 0.4503 ± 3.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 398.1 / 18
p0 1.384 ± 0.00405
p1 3.668e-05 ± 2.804e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 68.06 / 18
p0 46.05 ± 0.007328
p1 -2.083e-06 ± 3.08e-07
46.1
46.08
46.06
46.04
46.02
46
45.98
45.96
45.94
45.92
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 14.84 / 18
p0 1.487 ± 0.002503
p1 2.459e-15 ± 5.083e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 2.208e+04 / 18
p0 43.38 ± 0.007282
p1 0.4504 ± 3.411e-07
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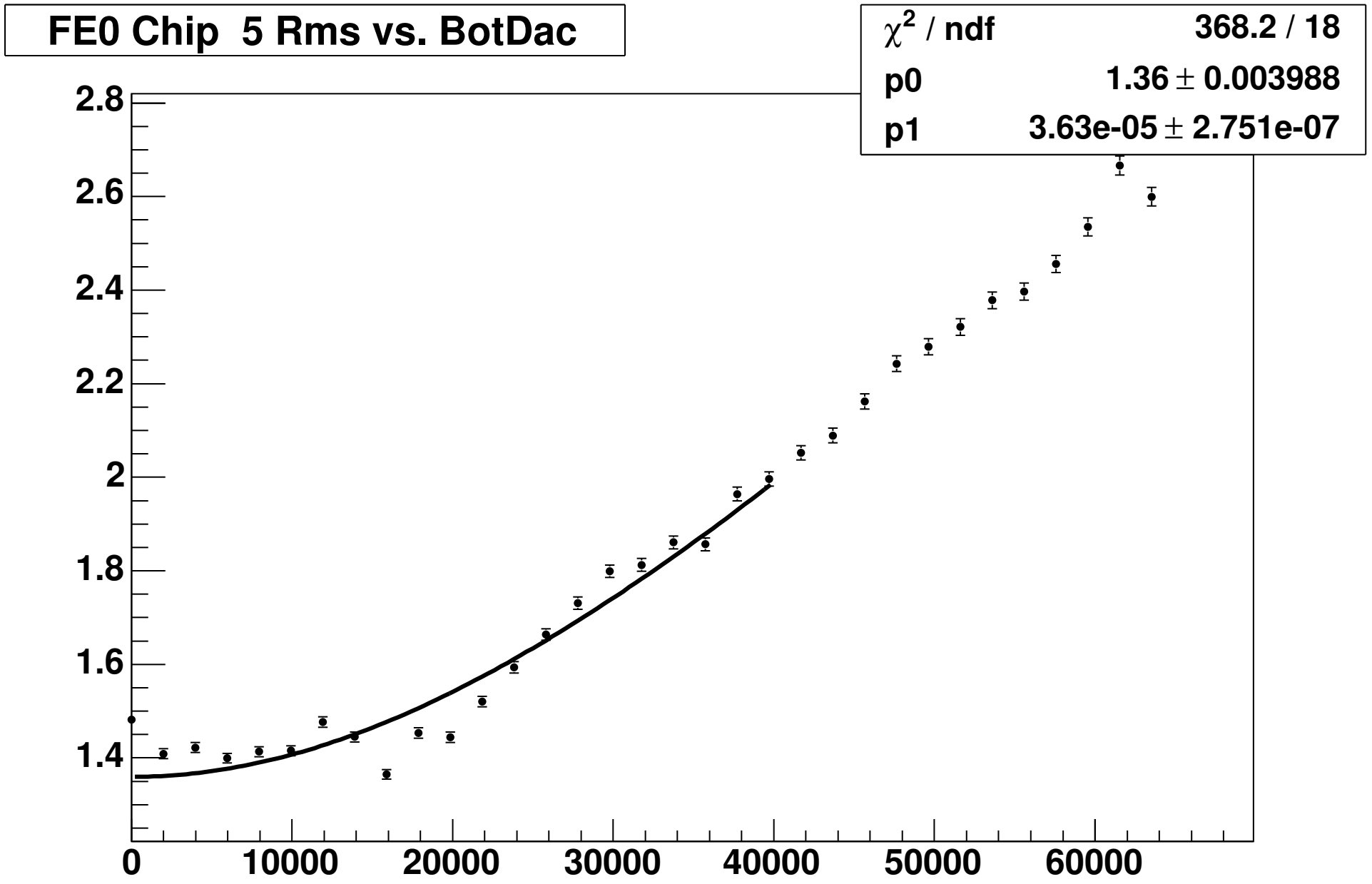
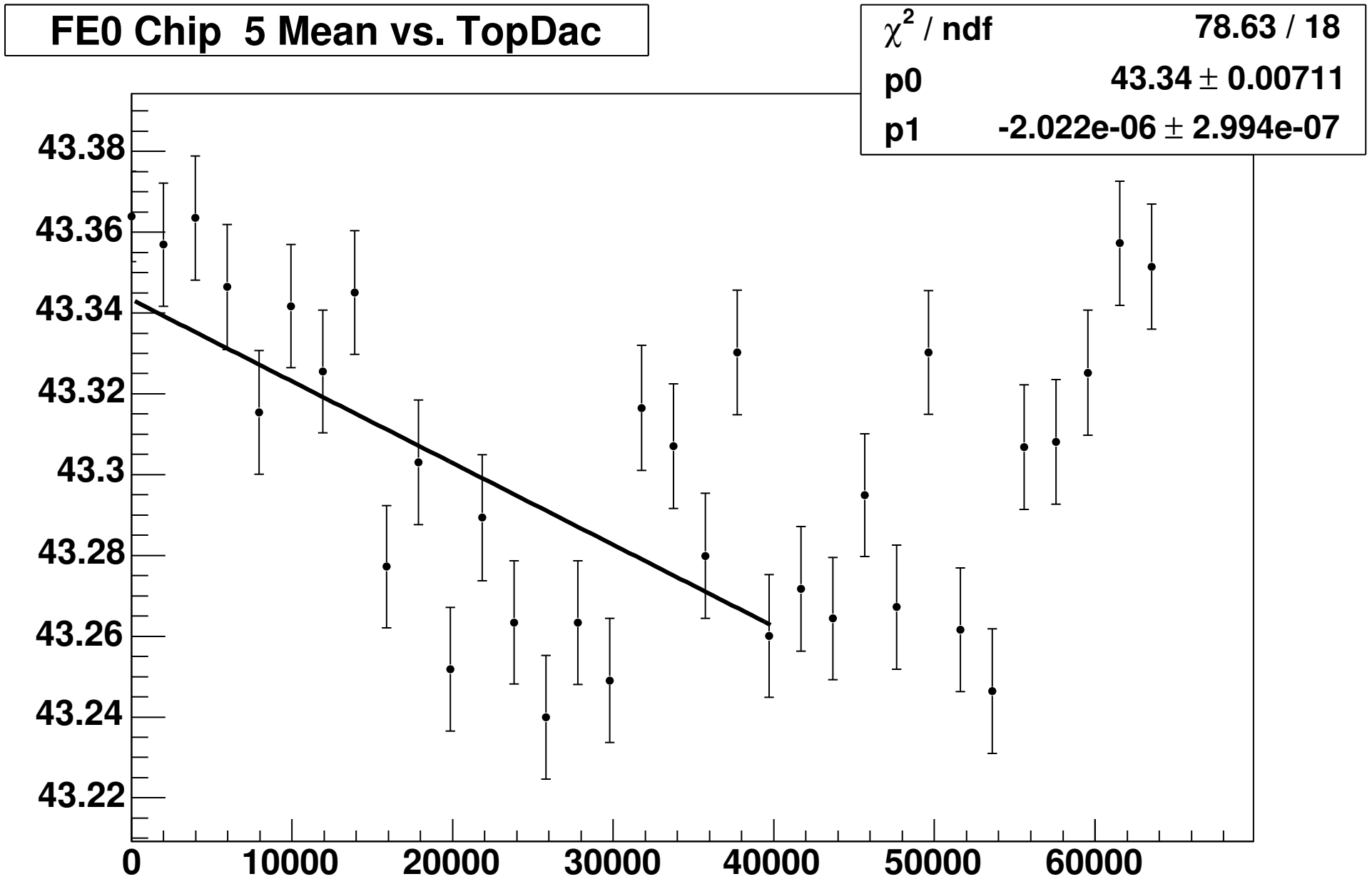
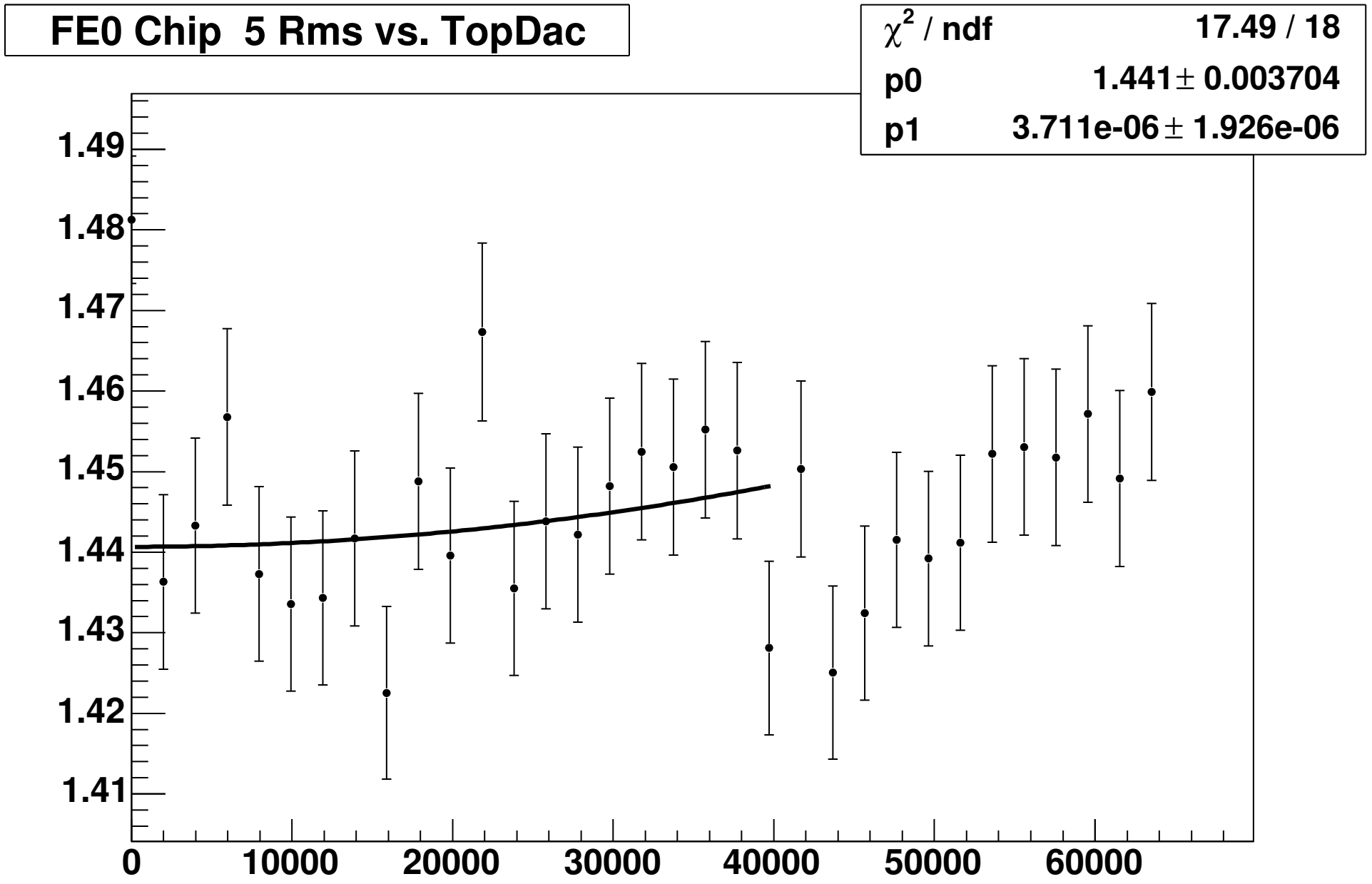
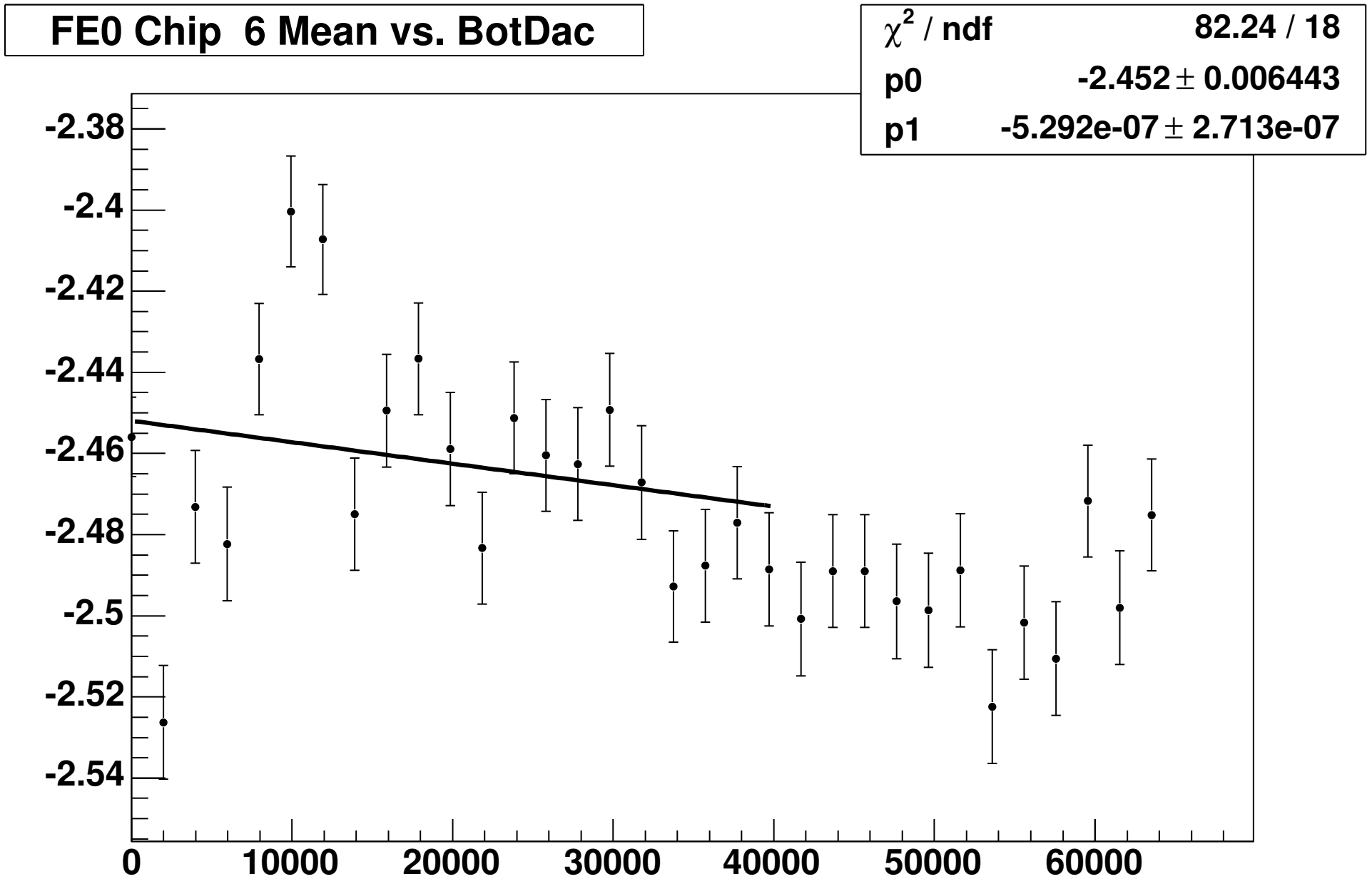
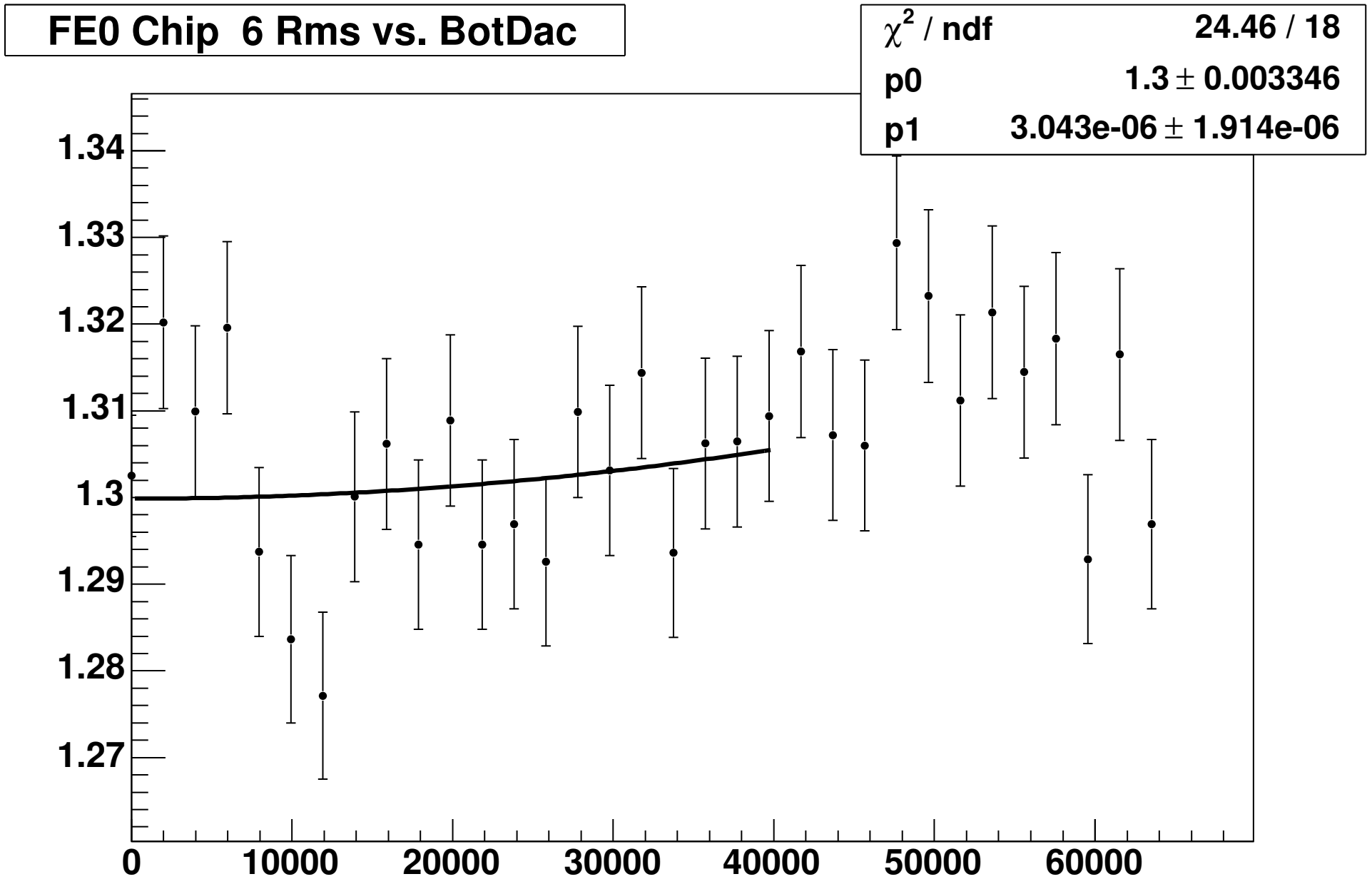
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

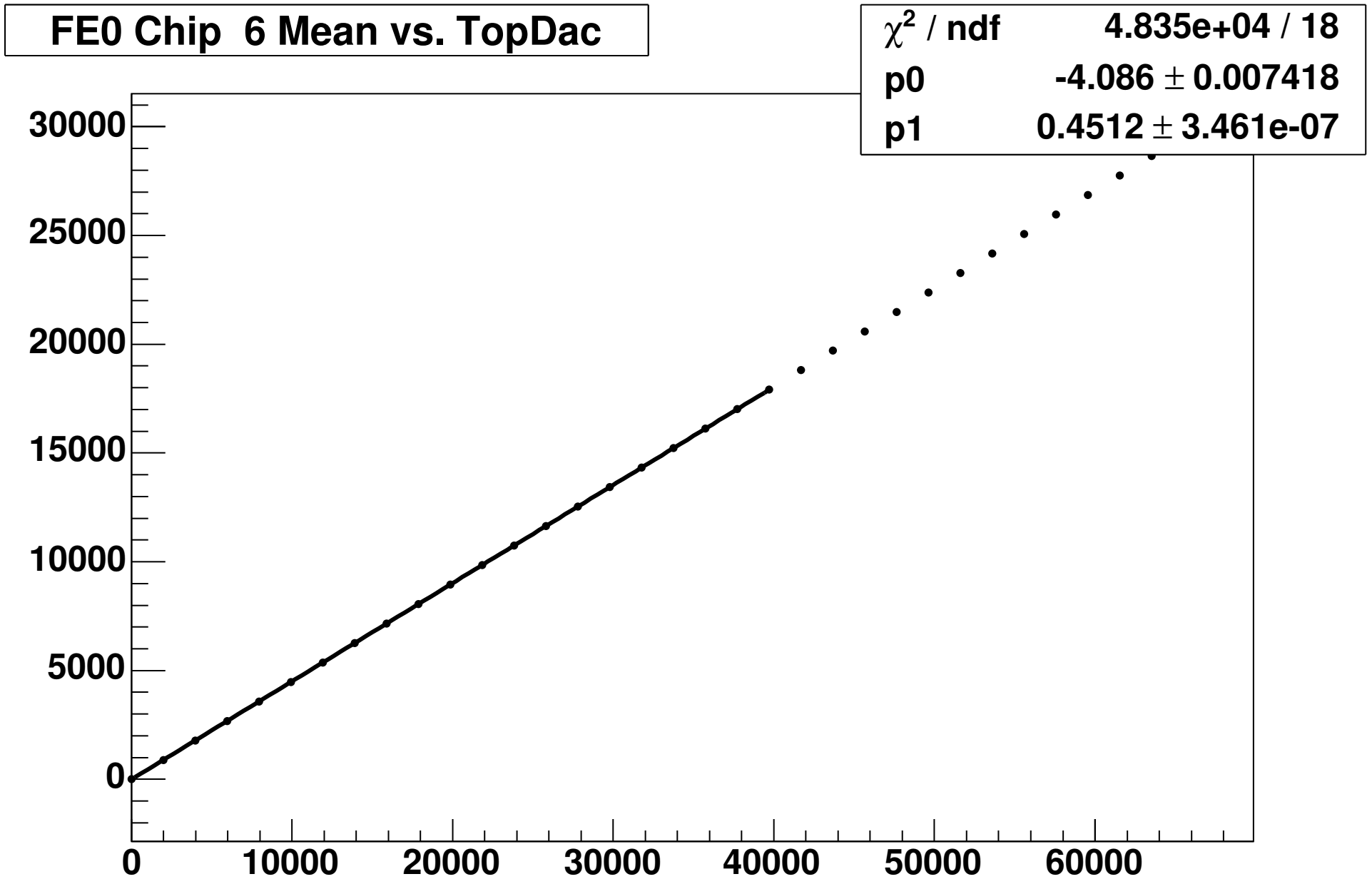

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 368.2 / 18
p0 1.36 ± 0.003988
p1 3.63e-05 ± 2.751e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

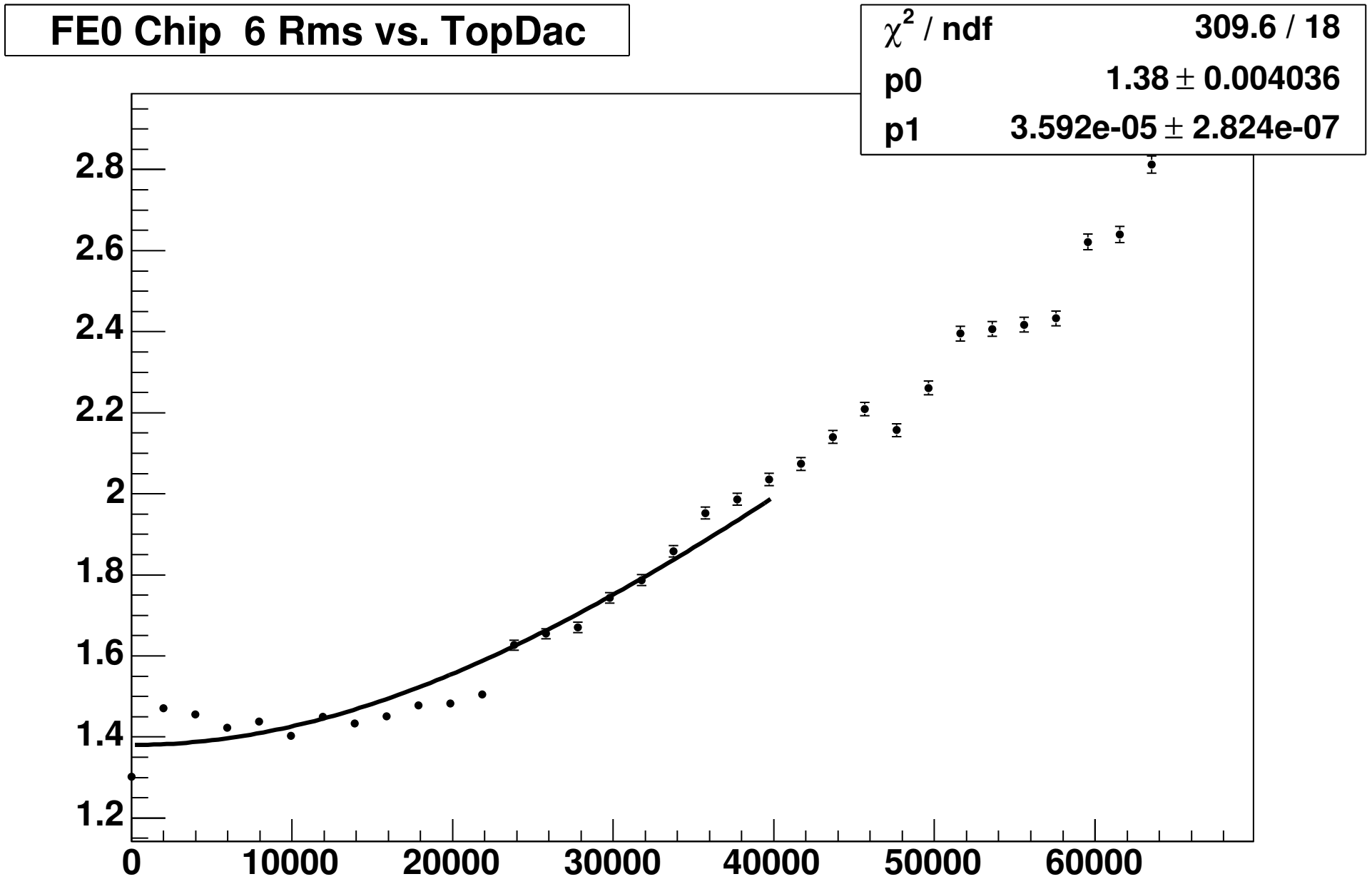

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 78.63 / 18
p0 43.34 ± 0.00711
p1 -2.022e-06 ± 2.994e-07
43.38
43.36
43.34
43.32
43.3
43.28
43.26
43.24
43.22
0
10000
20000
30000
40000
50000
60000

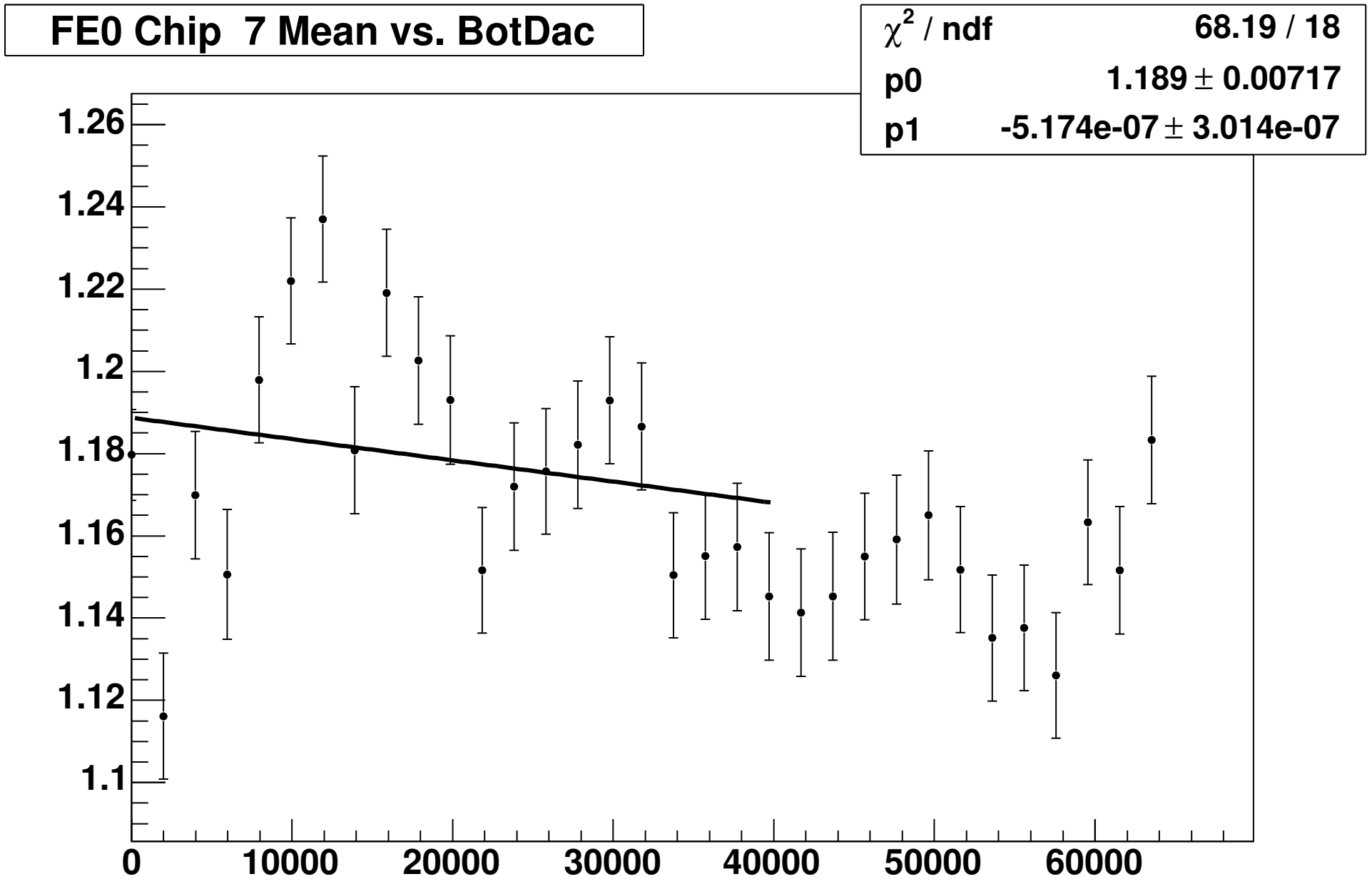

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 17.49 / 18
p0 1.441 ± 0.003704
p1 3.711e-06 ± 1.926e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

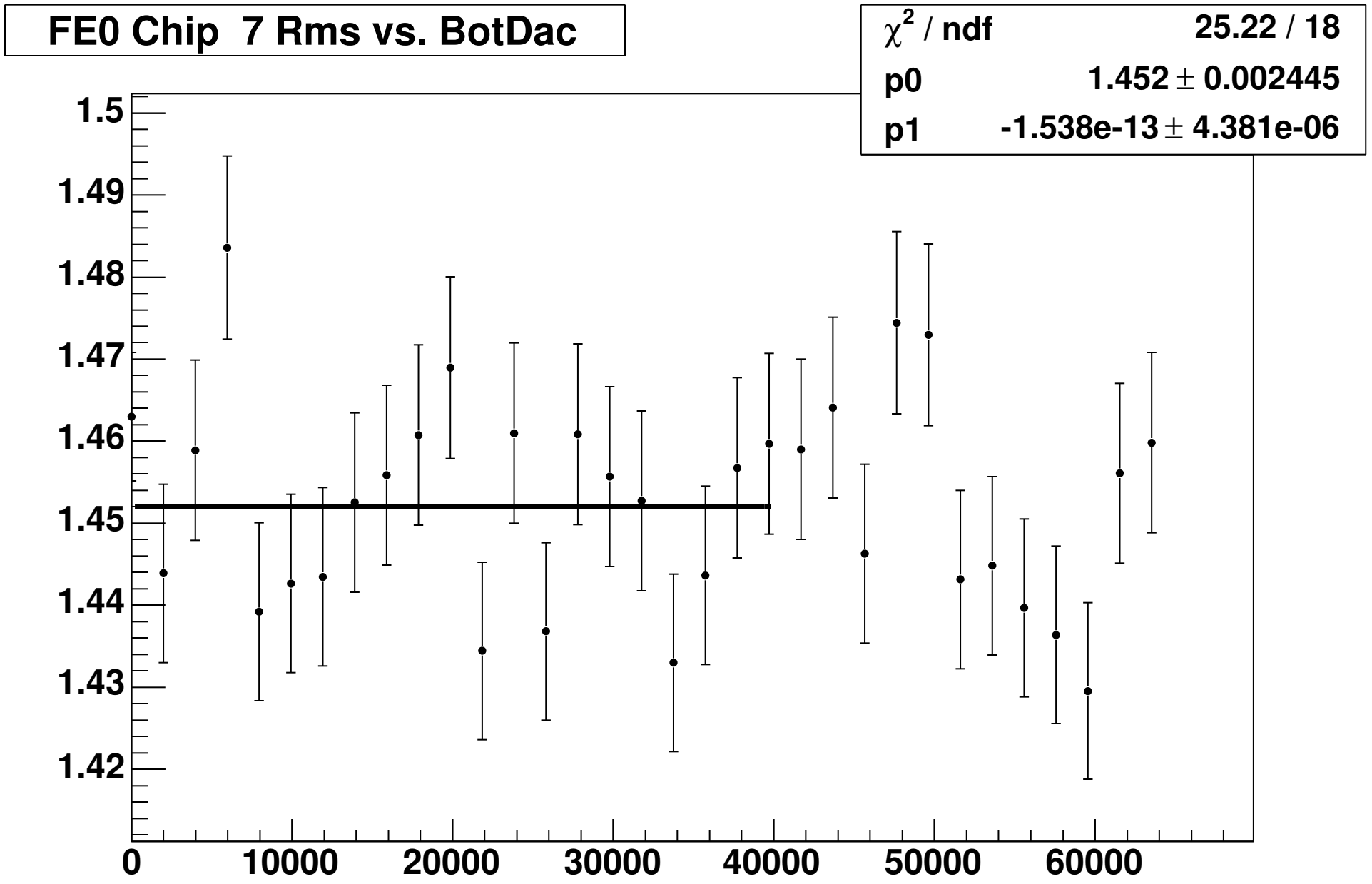

FE0 Chip 6 Mean vs. BotDac
χ^2 / ndf 82.24 / 18
p0 -2.452 ± 0.006443
p1 -5.292e-07 ± 2.713e-07
-2.38
-2.4
-2.42
-2.44
-2.46
-2.48
-2.5
-2.52
-2.54
0
10000
20000
30000
40000
50000
60000

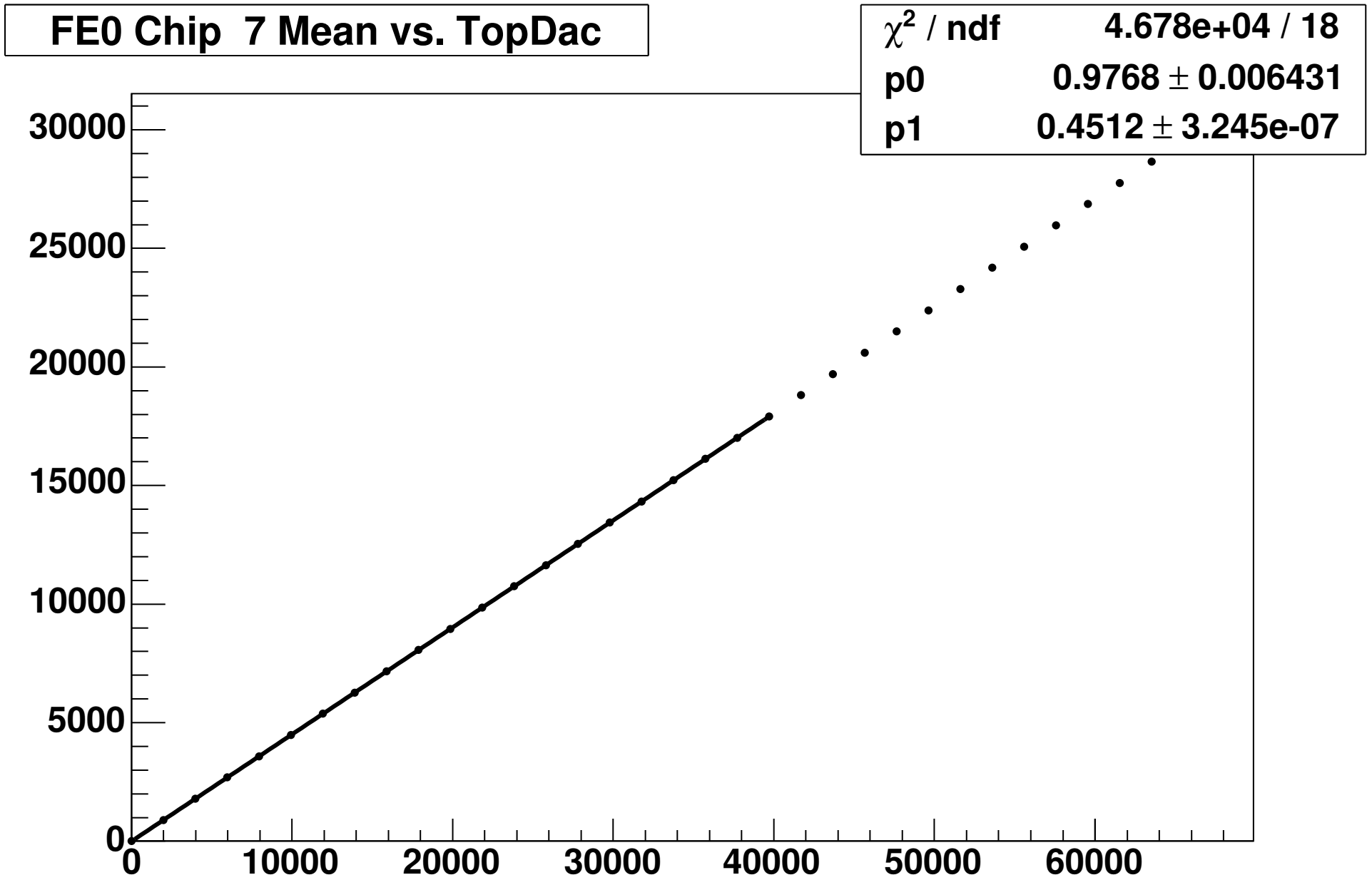

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 24.46 / 18
p0 1.3 ± 0.003346
p1 3.043e-06 ± 1.914e-06
1.34
1.33
1.32
1.31
1.3
1.29
1.28
1.27
0
10000
20000
30000
40000
50000
60000

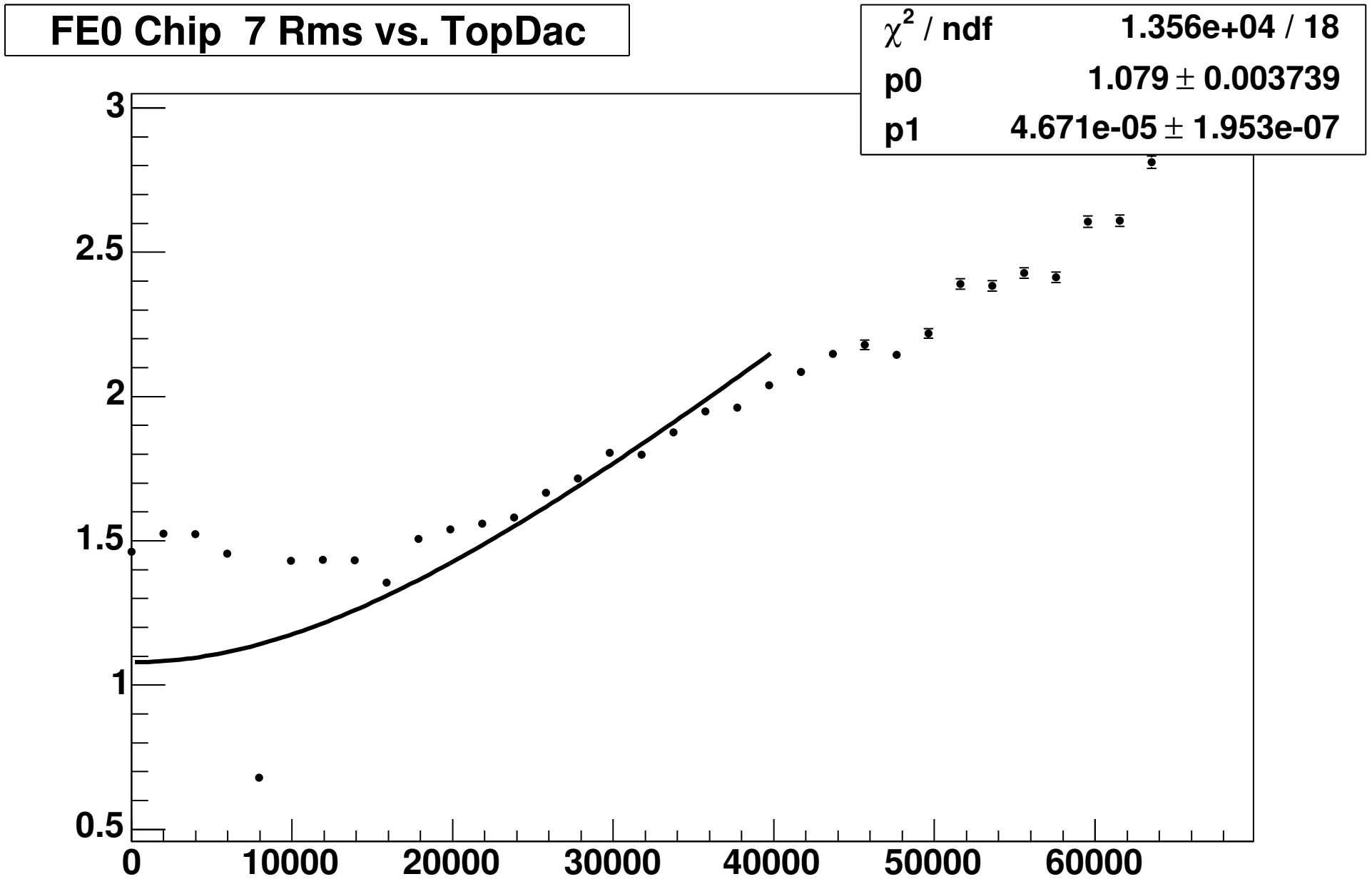

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 4.835e+04 / 18
p0 -4.086 ± 0.007418
p1 0.4512 ± 3.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

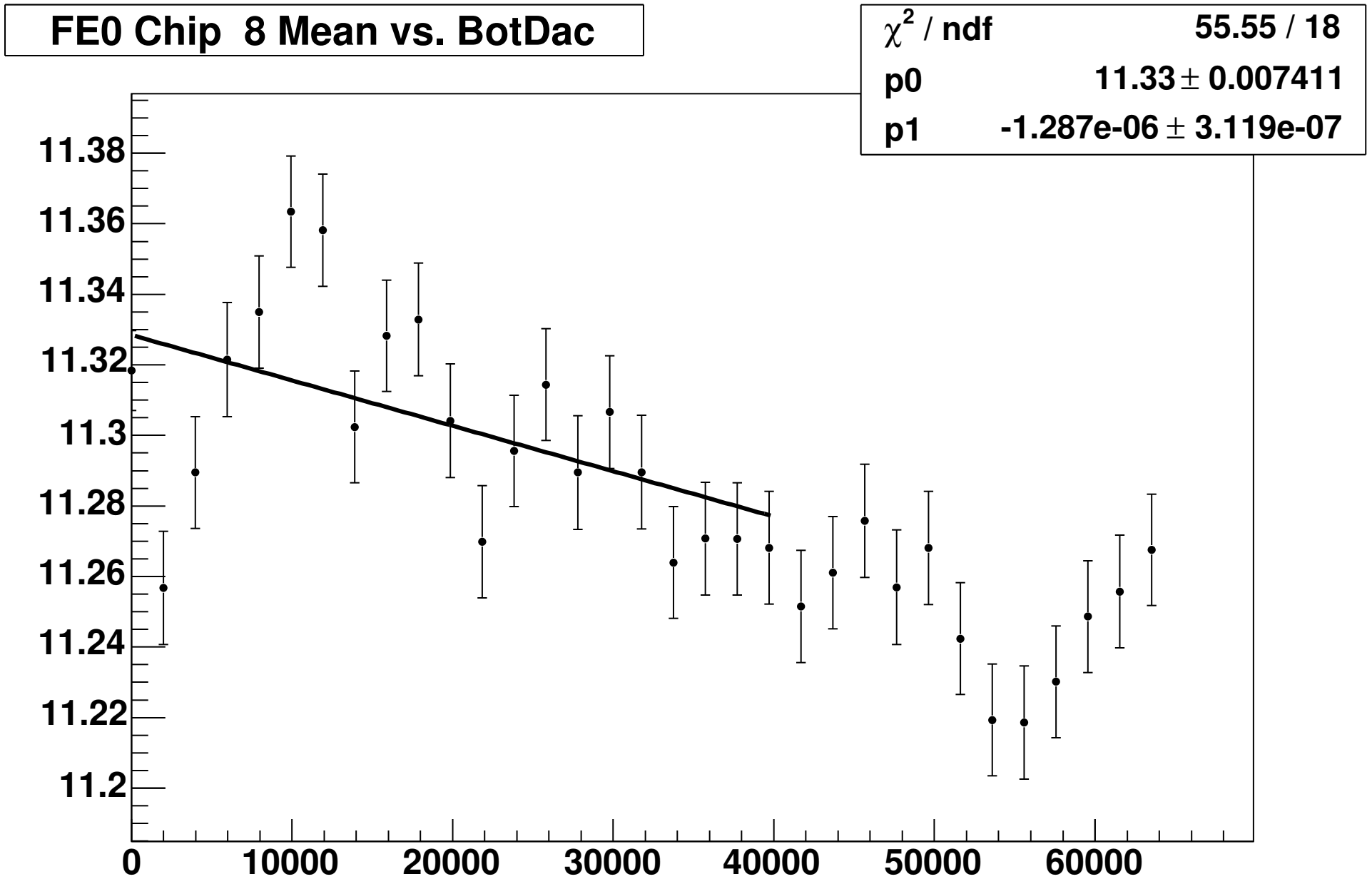

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 309.6 / 18
p0 1.38 ± 0.004036
p1 3.592e-05 ± 2.824e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 68.19 / 18
p0 1.189 ± 0.00717
p1 -5.174e-07 ± 3.014e-07
1.26
1.24
1.22
1.2
1.18
1.16
1.14
1.12
1.1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 25.22 / 18
p0 1.452 ± 0.002445
p1 -1.538e-13 ± 4.381e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 4.678e+04 / 18
p0 0.9768 ± 0.006431
p1 0.4512 ± 3.245e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1.356e+04 / 18
p0 1.079 ± 0.003739
p1 4.671e-05 ± 1.953e-07
3
2.5
2
1.5
1
0.5
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 55.55 / 18
p0 11.33 ± 0.007411
p1 -1.287e-06 ± 3.119e-07
11.38
11.36
11.34
11.32
11.3
11.28
11.26
11.24
11.22
11.2
0
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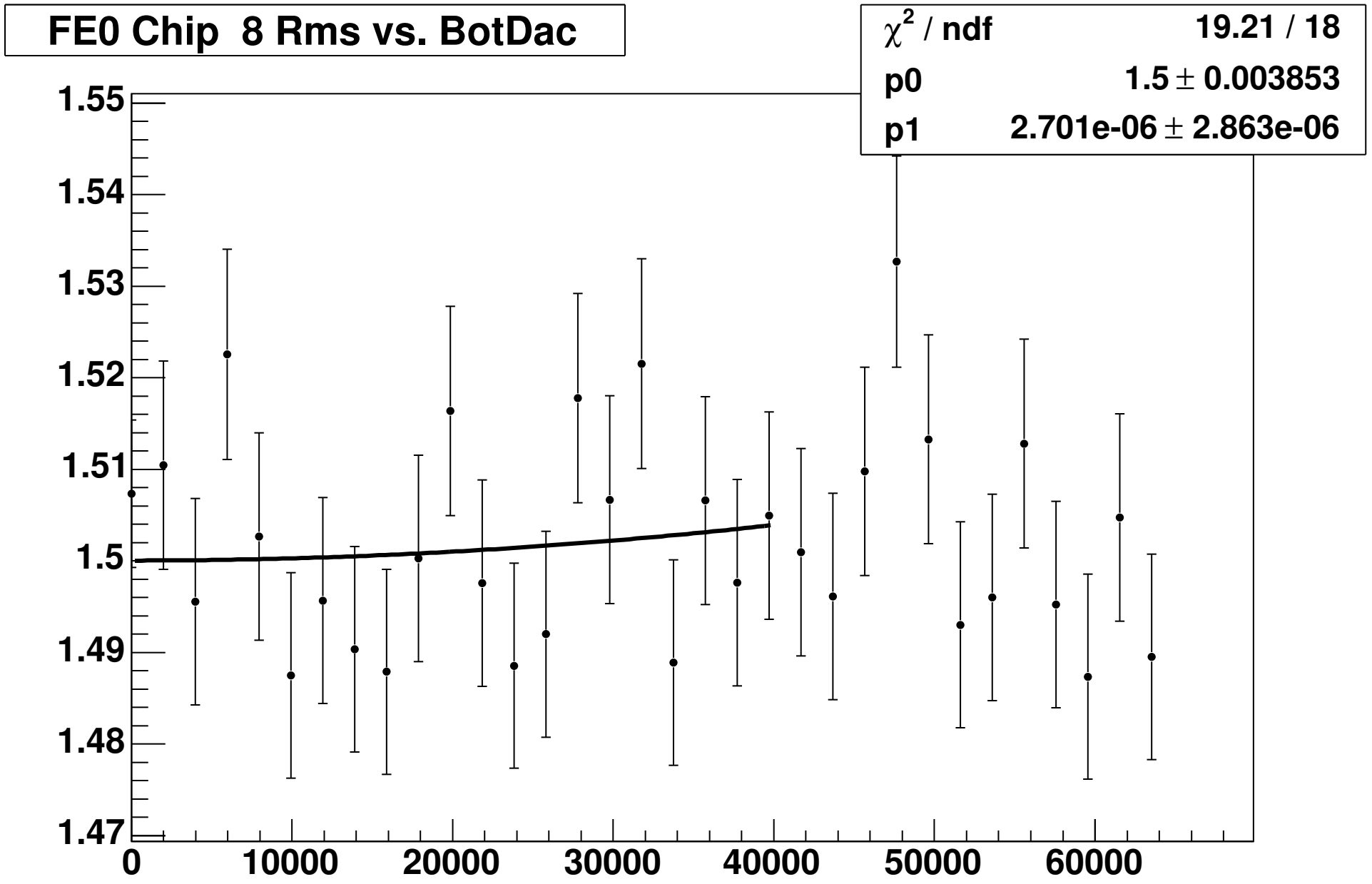
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 19.21 / 18
p0 1.5 ± 0.003853
p1 2.701e-06 ± 2.863e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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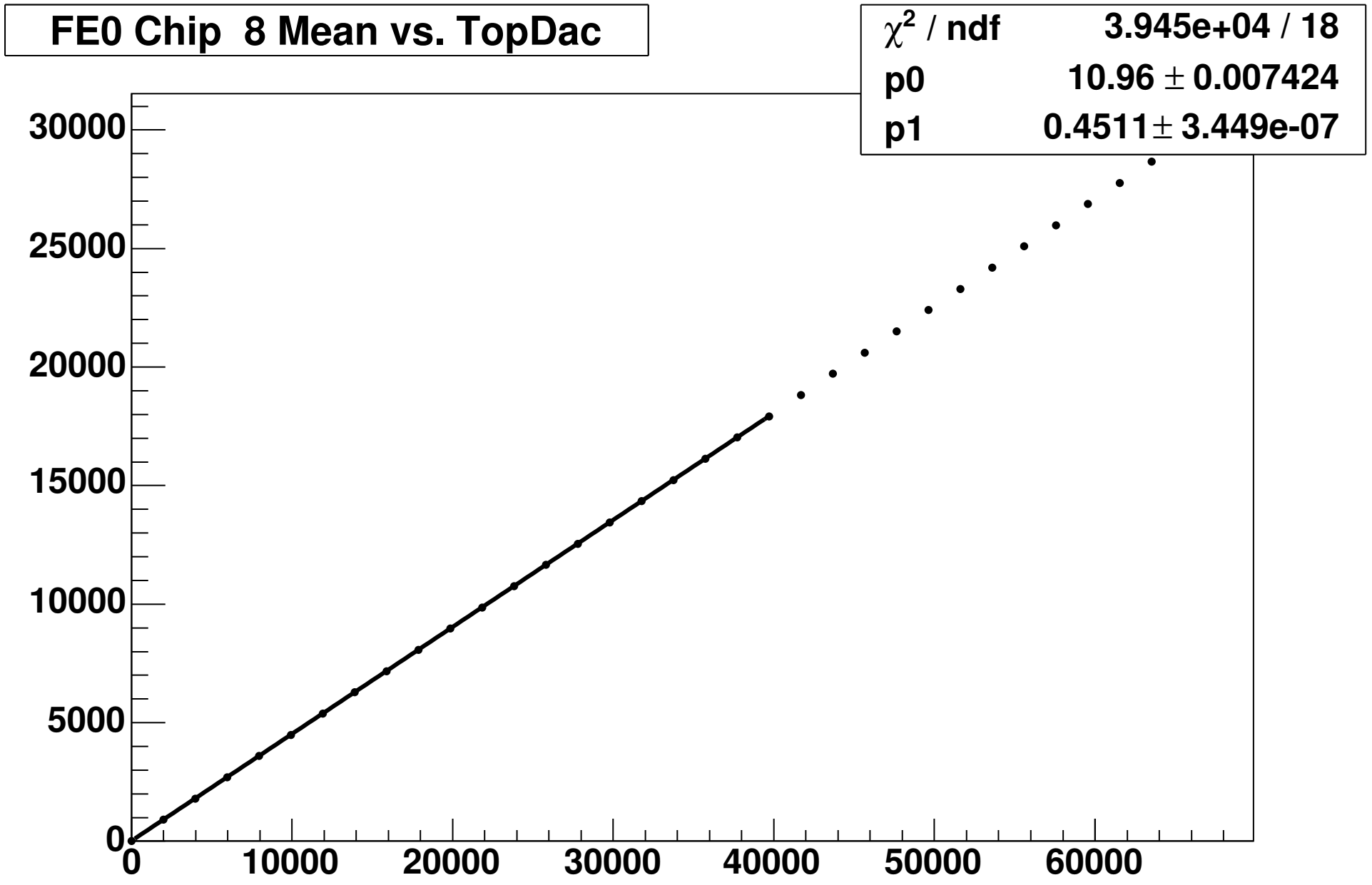
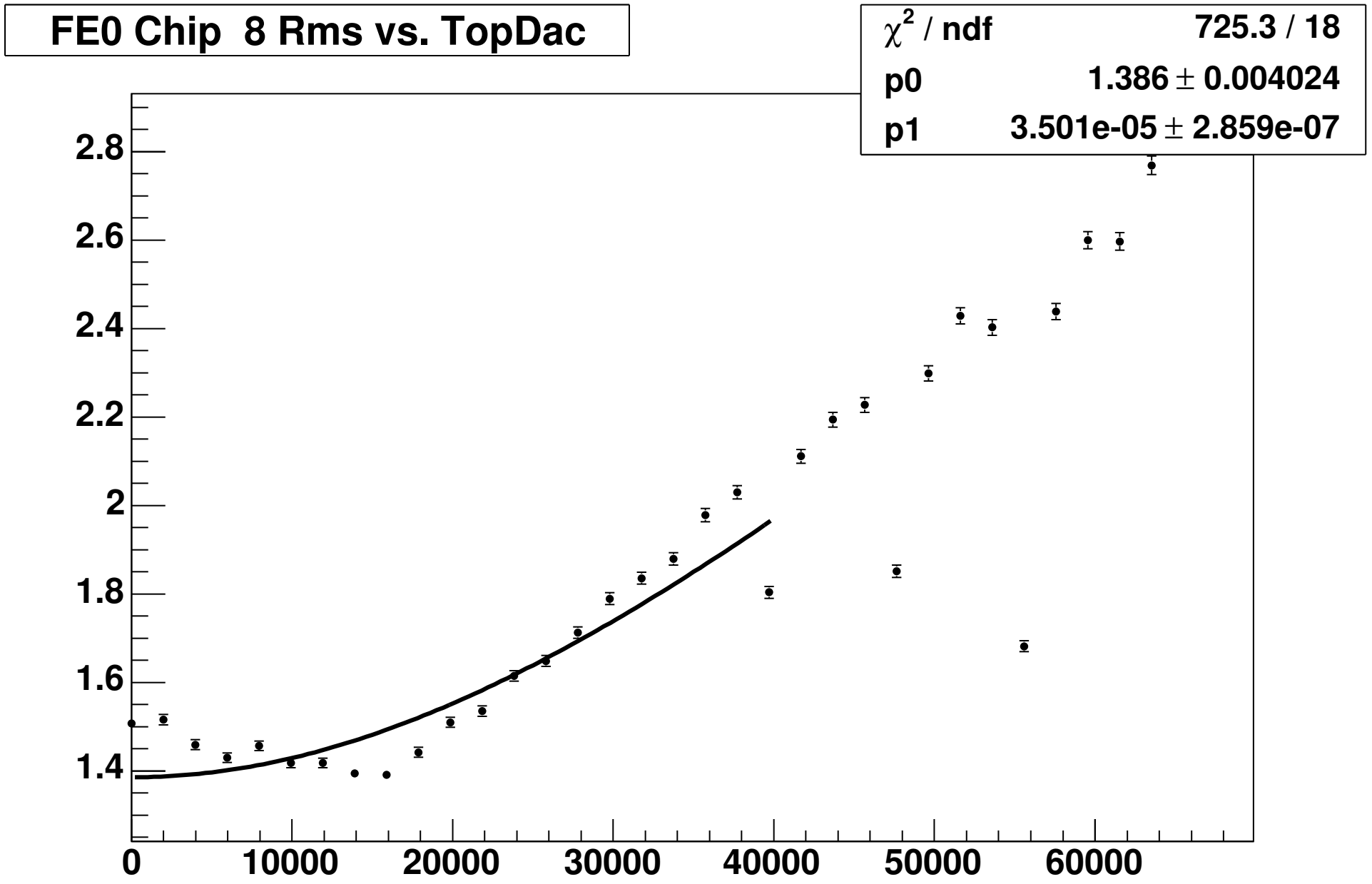
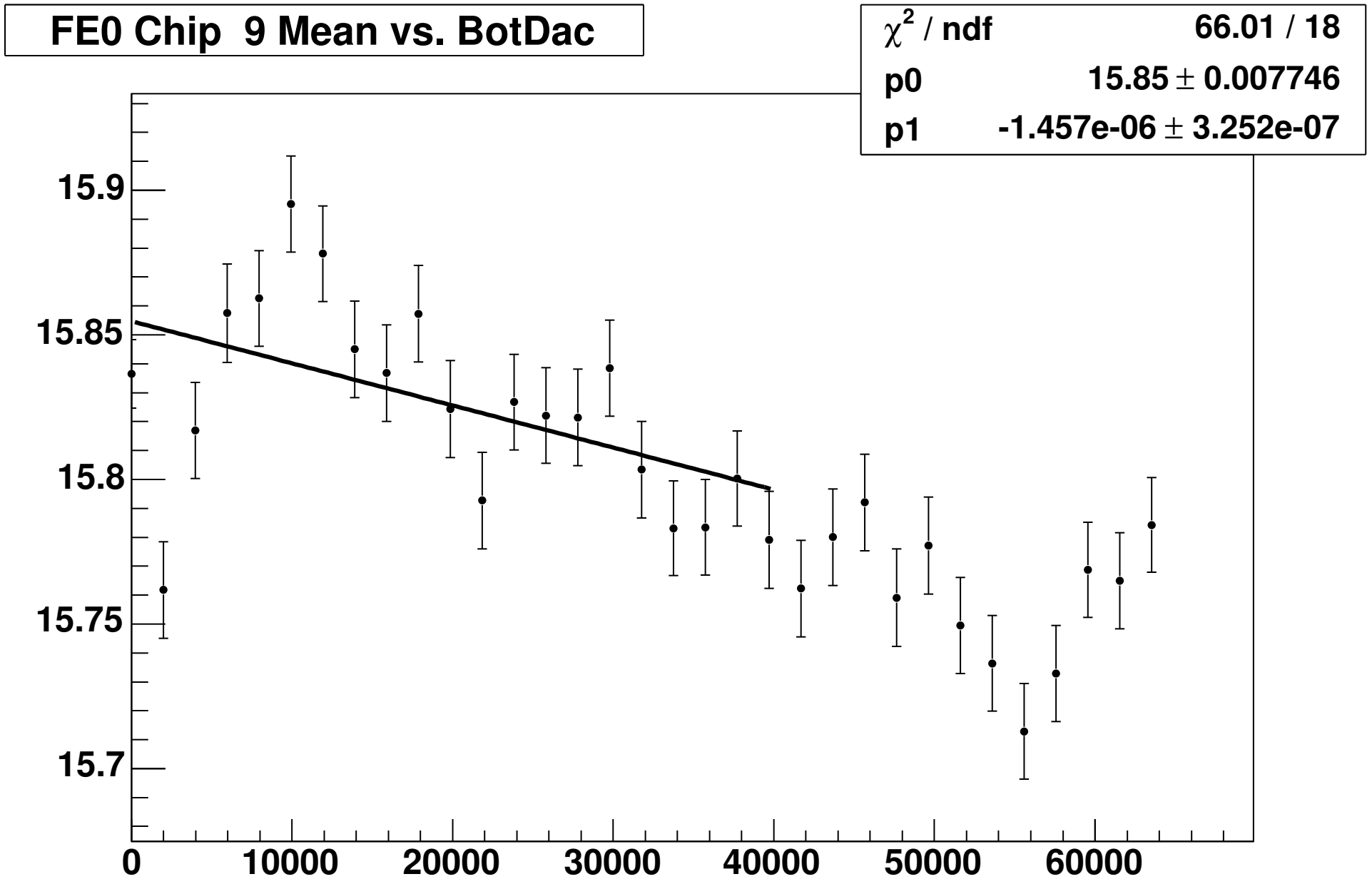

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 3.945e+04 / 18
p0 10.96 ± 0.007424
p1 0.4511 ± 3.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 725.3 / 18
p0 1.386 ± 0.004024
p1 3.501e-05 ± 2.859e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 66.01 / 18
p0 15.85 ± 0.007746
p1 -1.457e-06 ± 3.252e-07
15.9
15.85
15.8
15.75
15.7
0
10000
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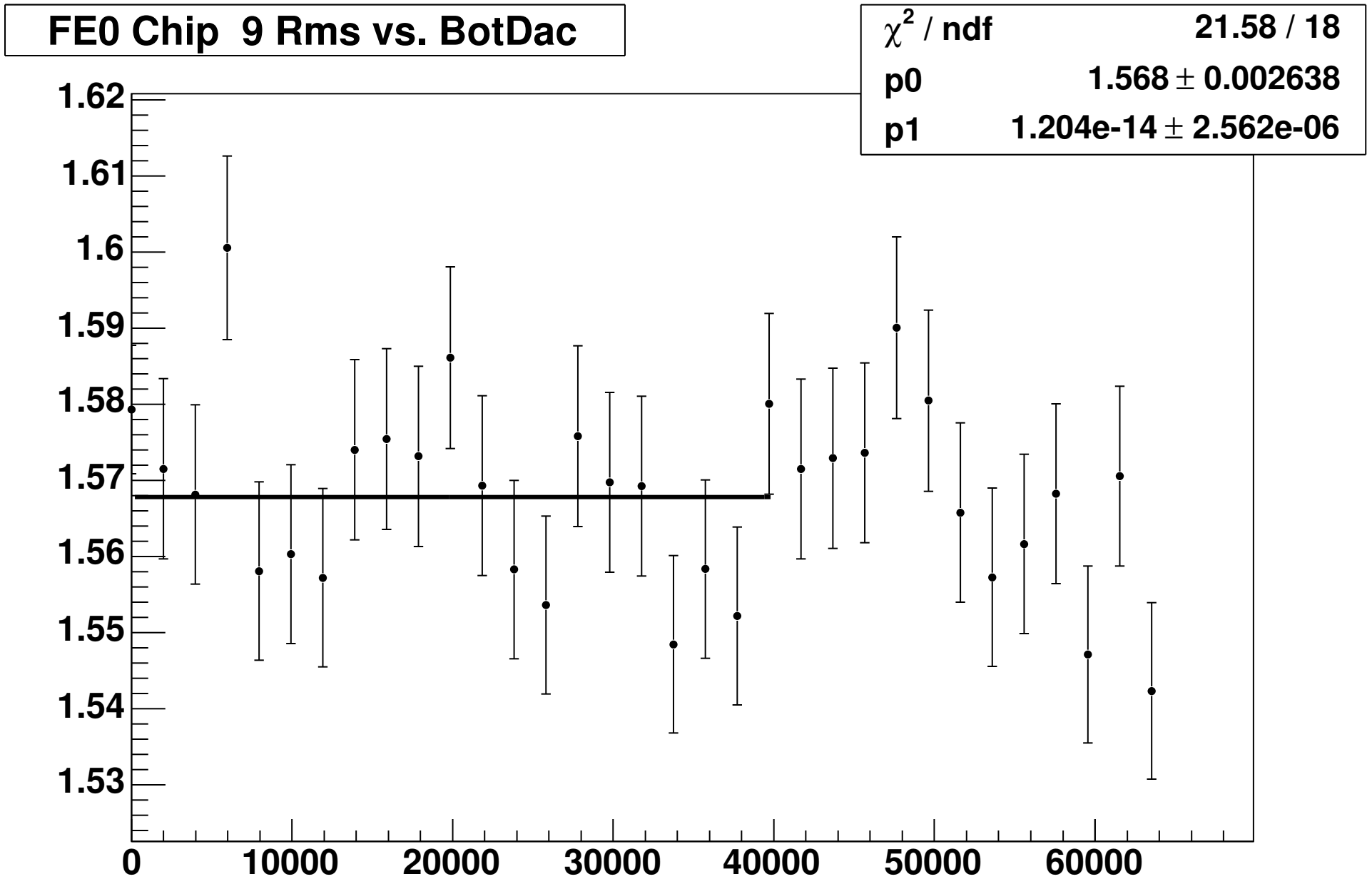
30000
40000
50000
60000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 21.58 / 18
p0 1.568 ± 0.002638
p1 1.204e-14 ± 2.562e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
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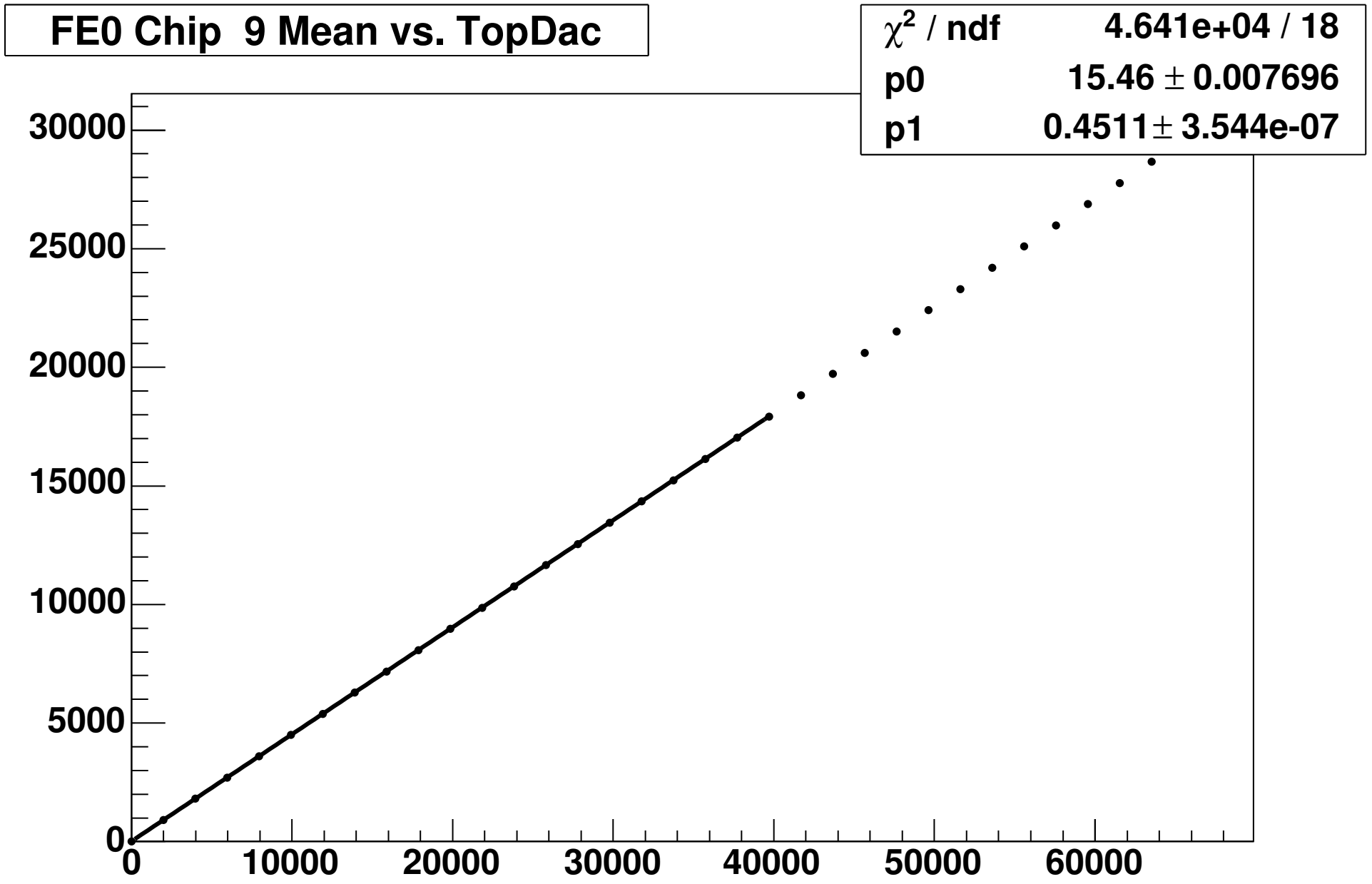
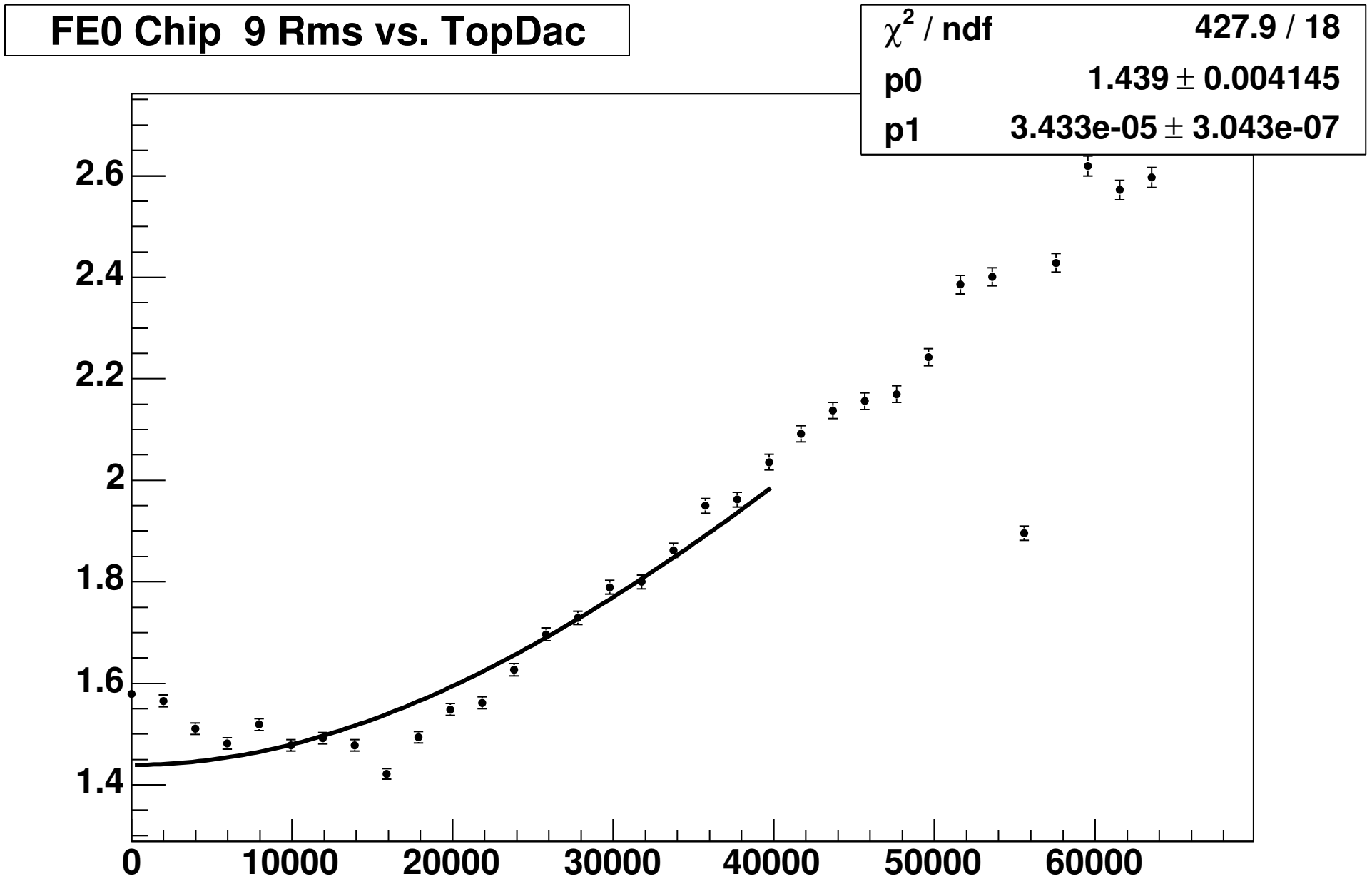
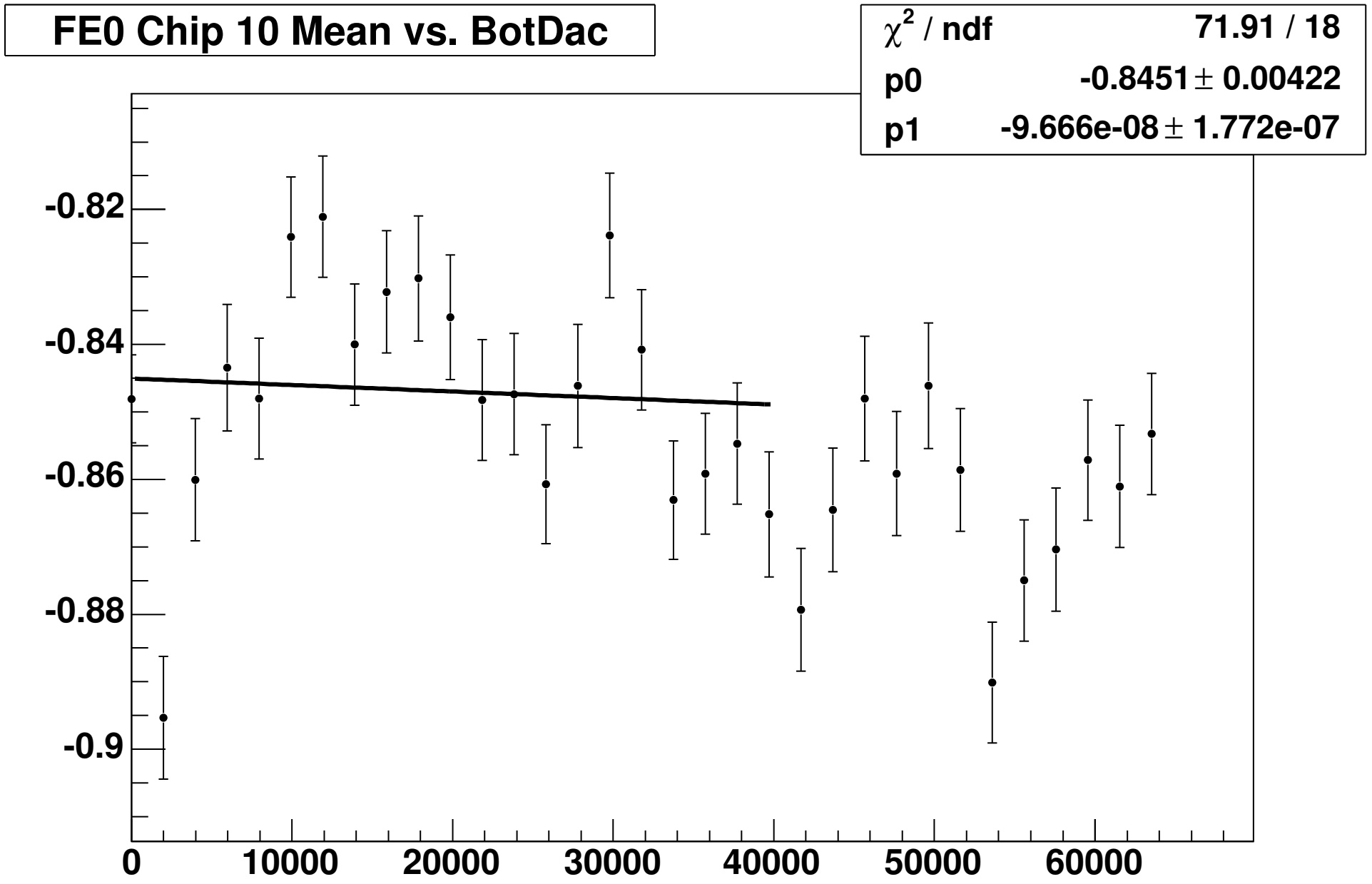
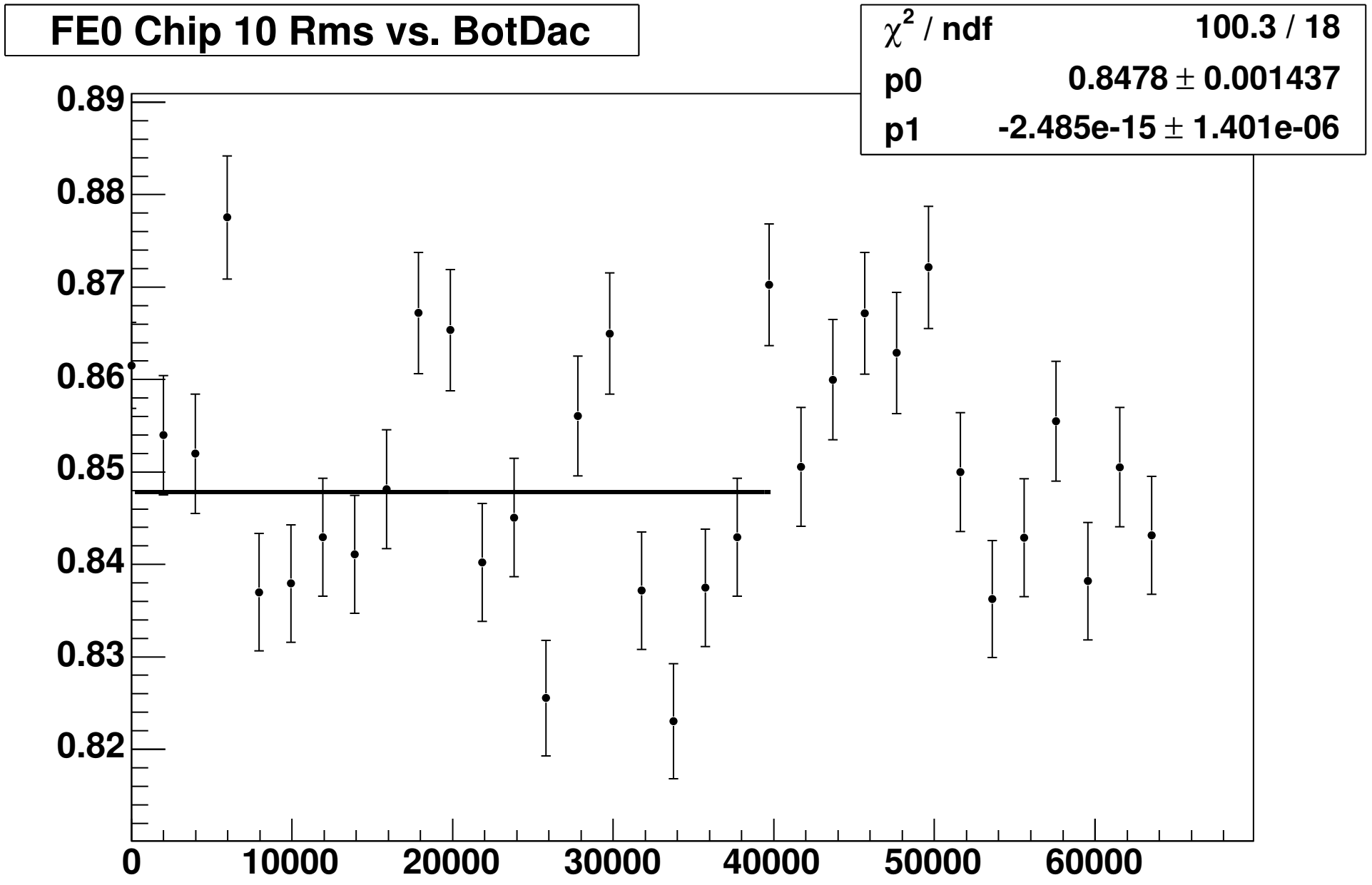
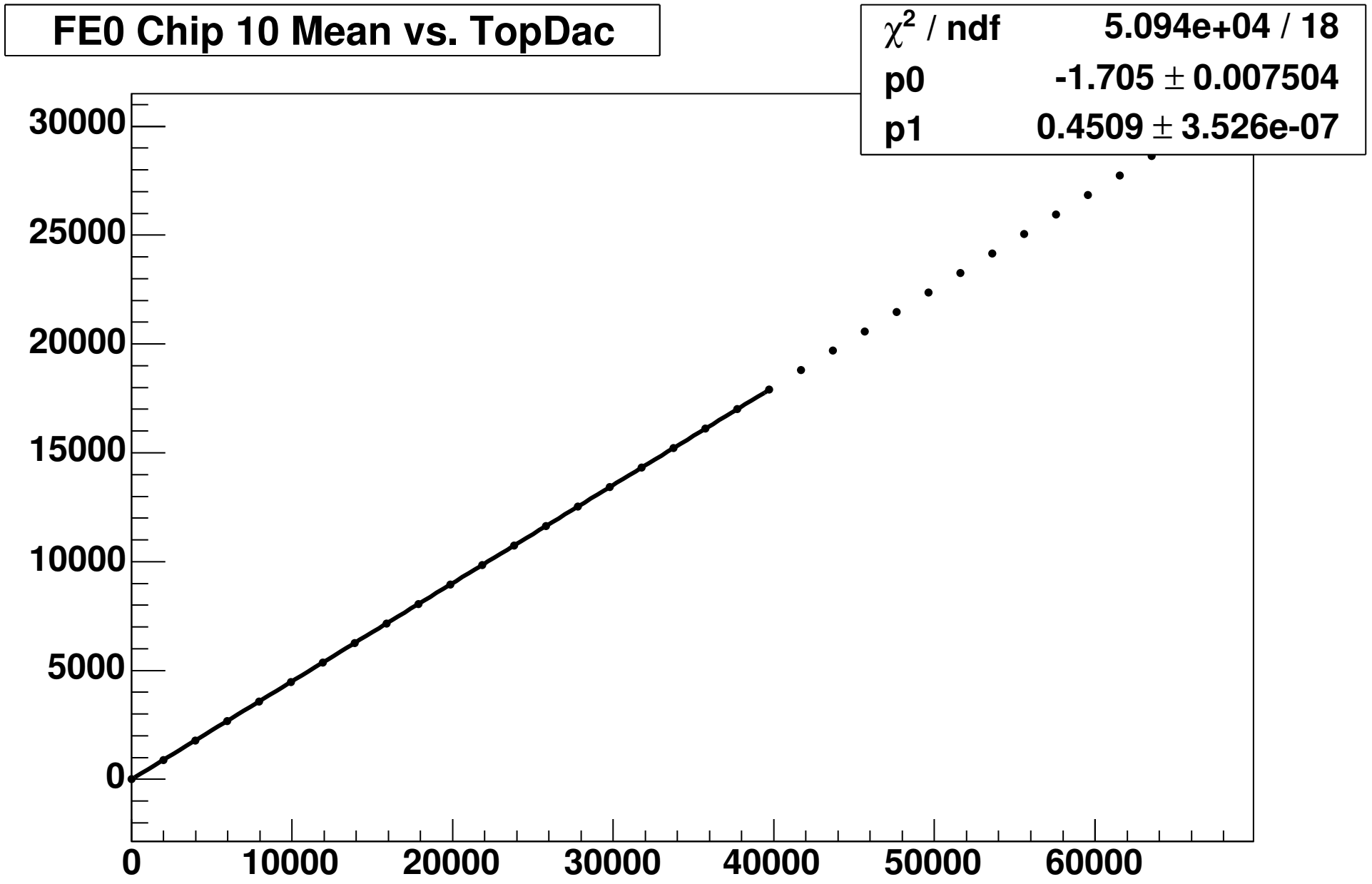

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 4.641e+04 / 18
p0 15.46 ± 0.007696
p1 0.4511 ± 3.544e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 427.9 / 18
p0 1.439 ± 0.004145
p1 3.433e-05 ± 3.043e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 71.91 / 18
p0 -0.8451 ± 0.00422
p1 -9.666e-08 ± 1.772e-07
-0.82
-0.84
-0.86
-0.88
-0.9
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 100.3 / 18
p0 0.8478 ± 0.001437
p1 -2.485e-15 ± 1.401e-06
0.89
0.88
0.87
0.86
0.85
0.84
0.83
0.82
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 5.094e+04 / 18
p0 -1.705 ± 0.007504
p1 0.4509 ± 3.526e-07
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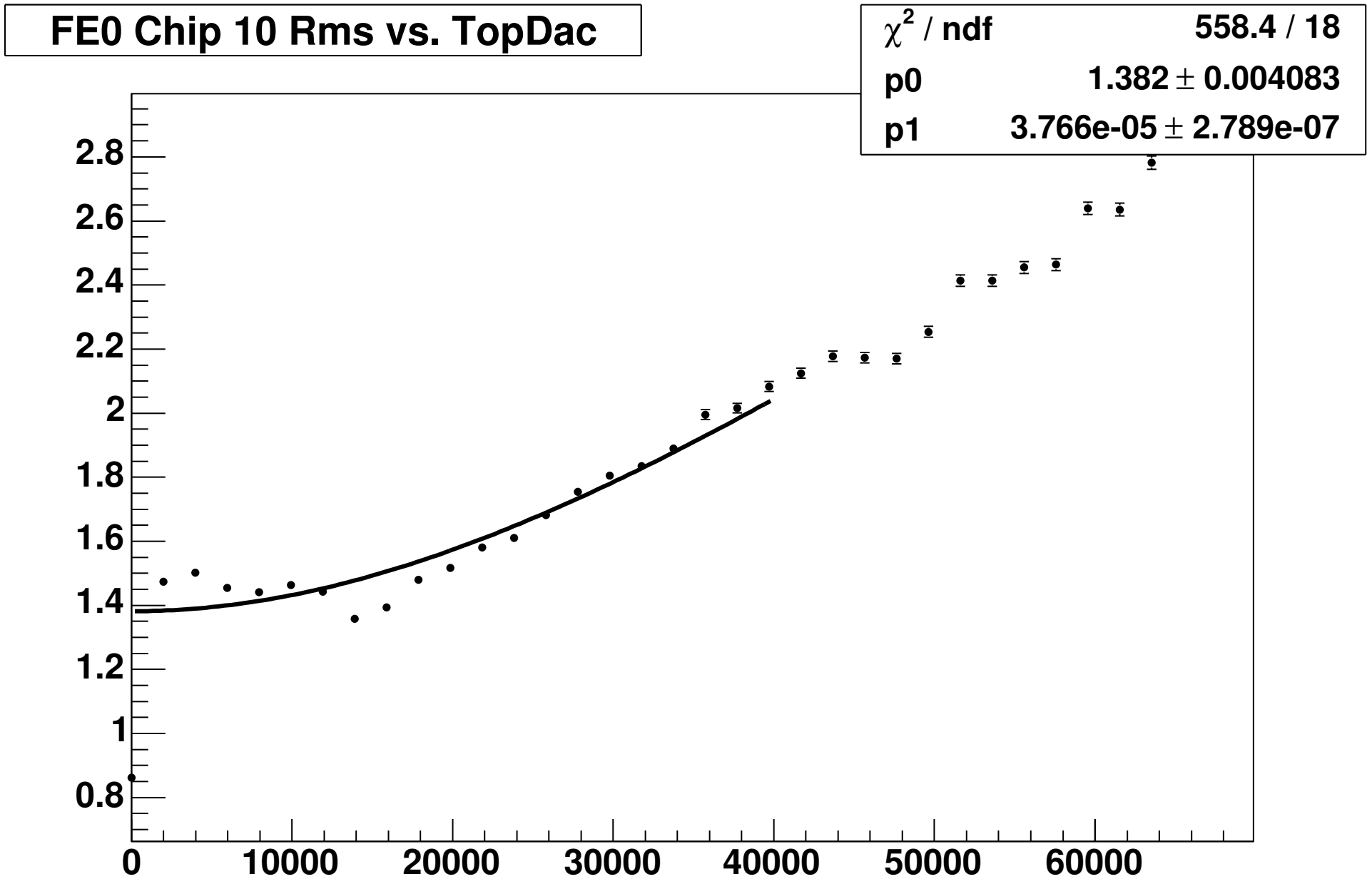
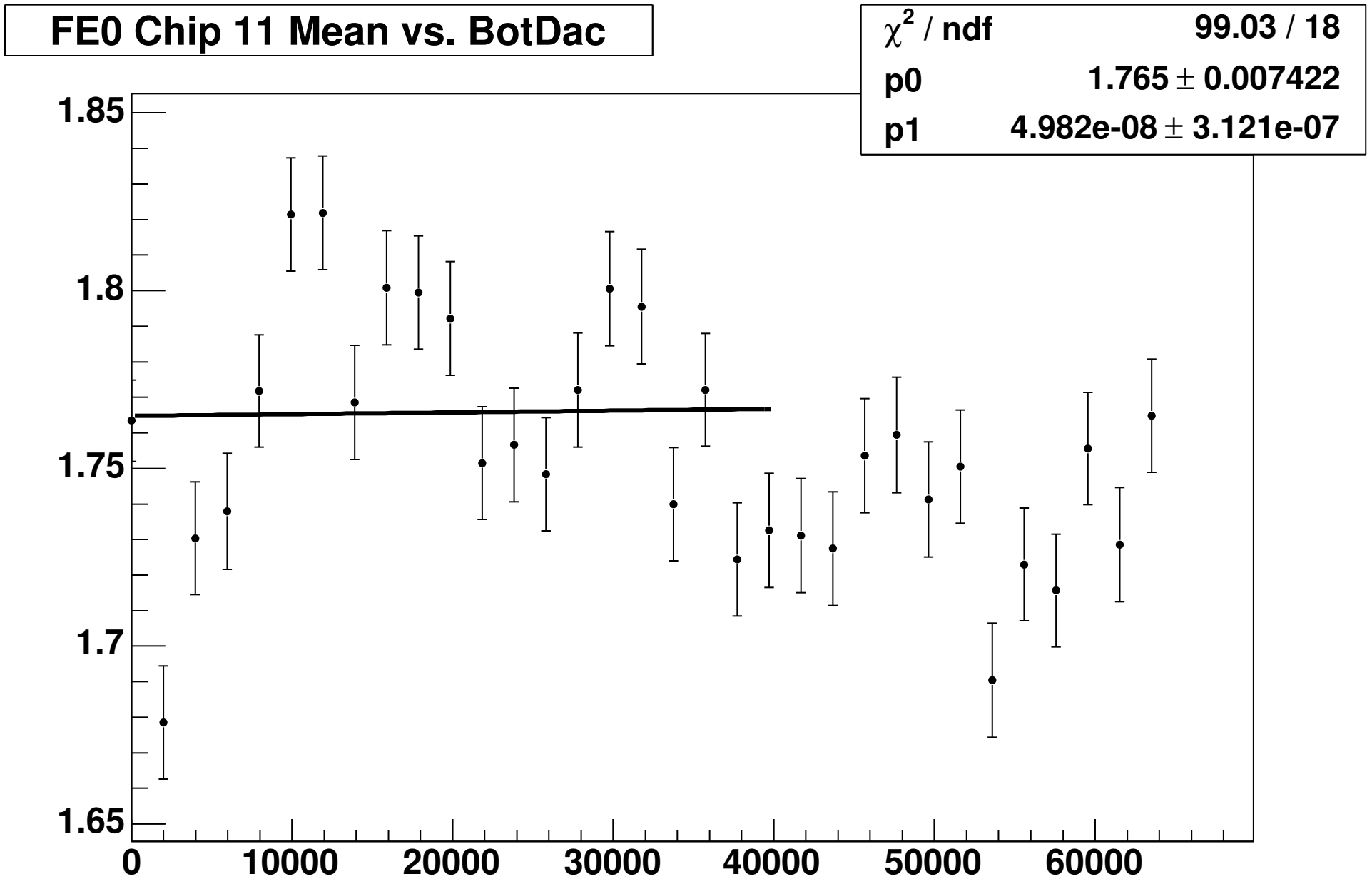
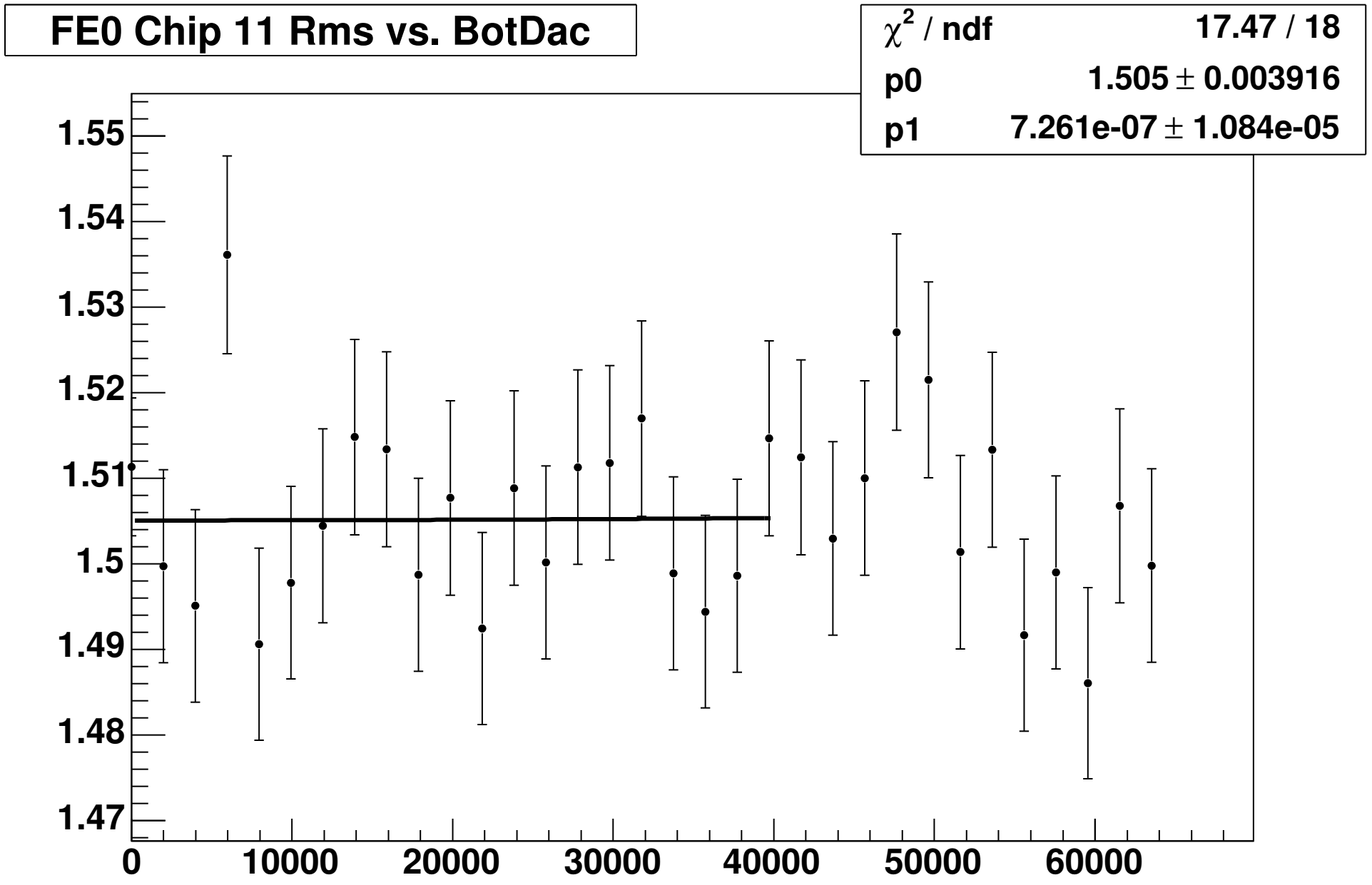
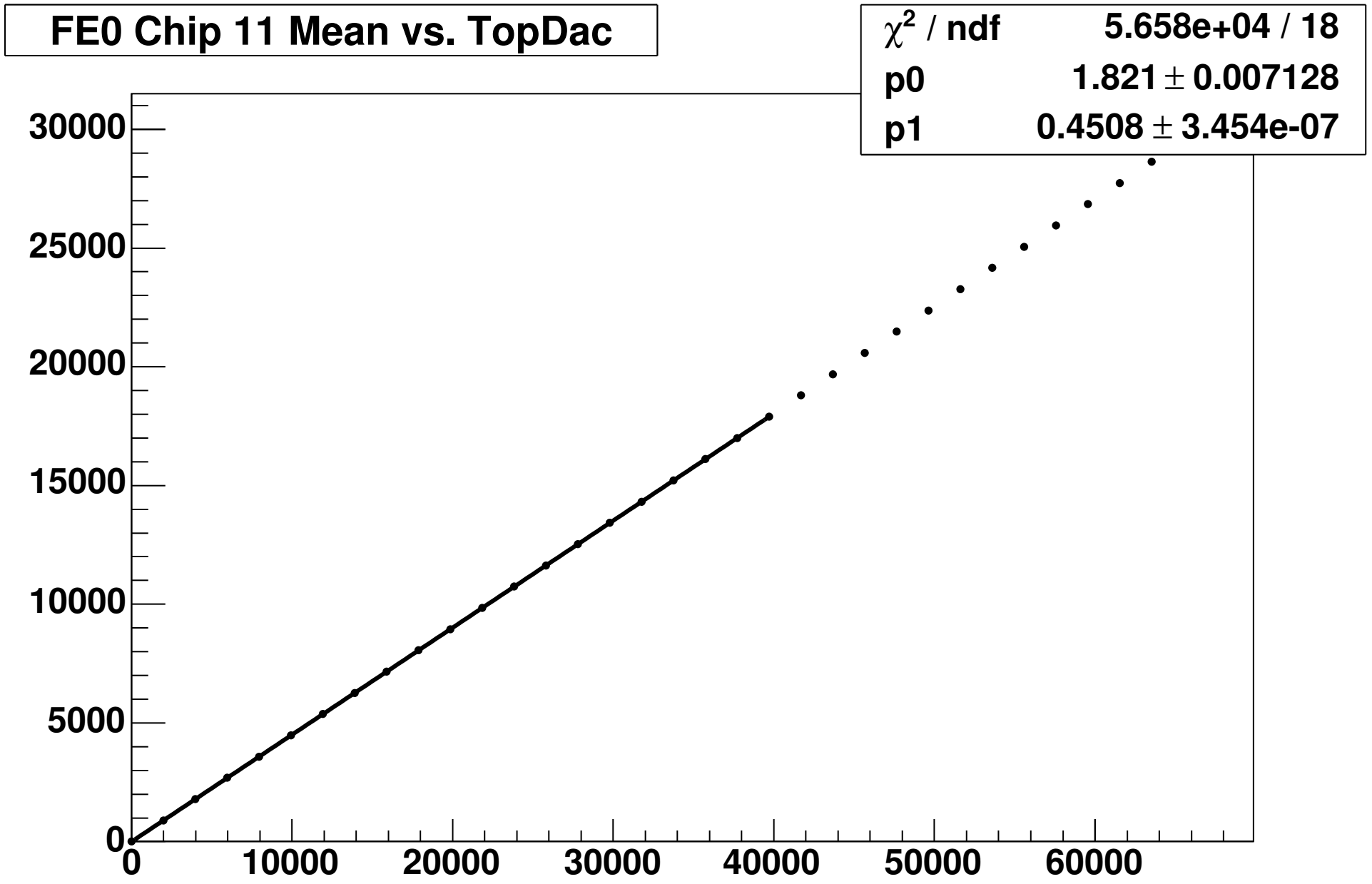
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 558.4 / 18
p0 1.382 ± 0.004083
p1 3.766e-05 ± 2.789e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 99.03 / 18
p0 1.765 ± 0.007422
p1 4.982e-08 ± 3.121e-07
1.85
1.8
1.75
1.7
1.65
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 17.47 / 18
p0 1.505 ± 0.003916
p1 7.261e-07 ± 1.084e-05
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 5.658e+04 / 18
p0 1.821 ± 0.007128
p1 0.4508 ± 3.454e-07
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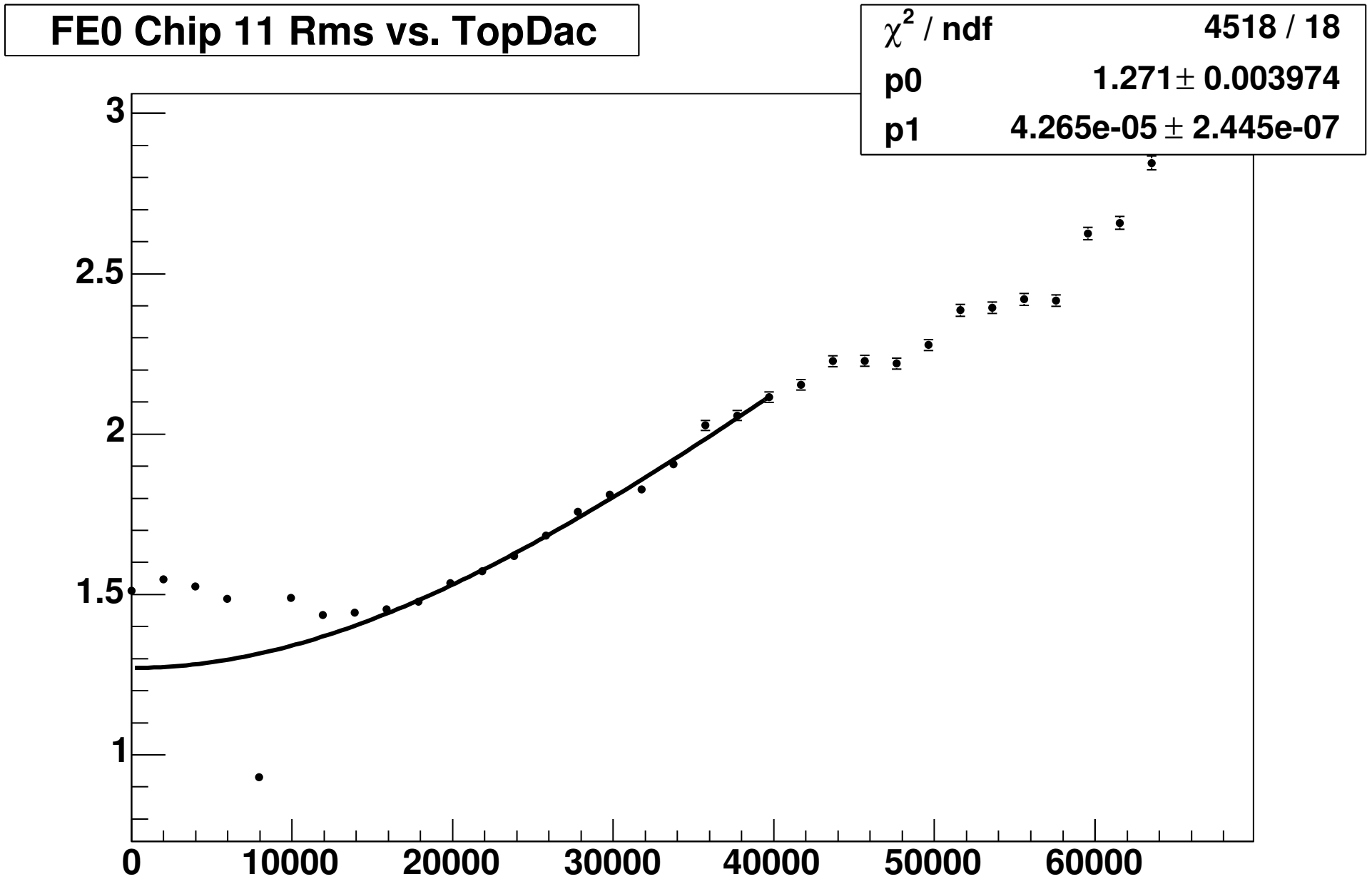
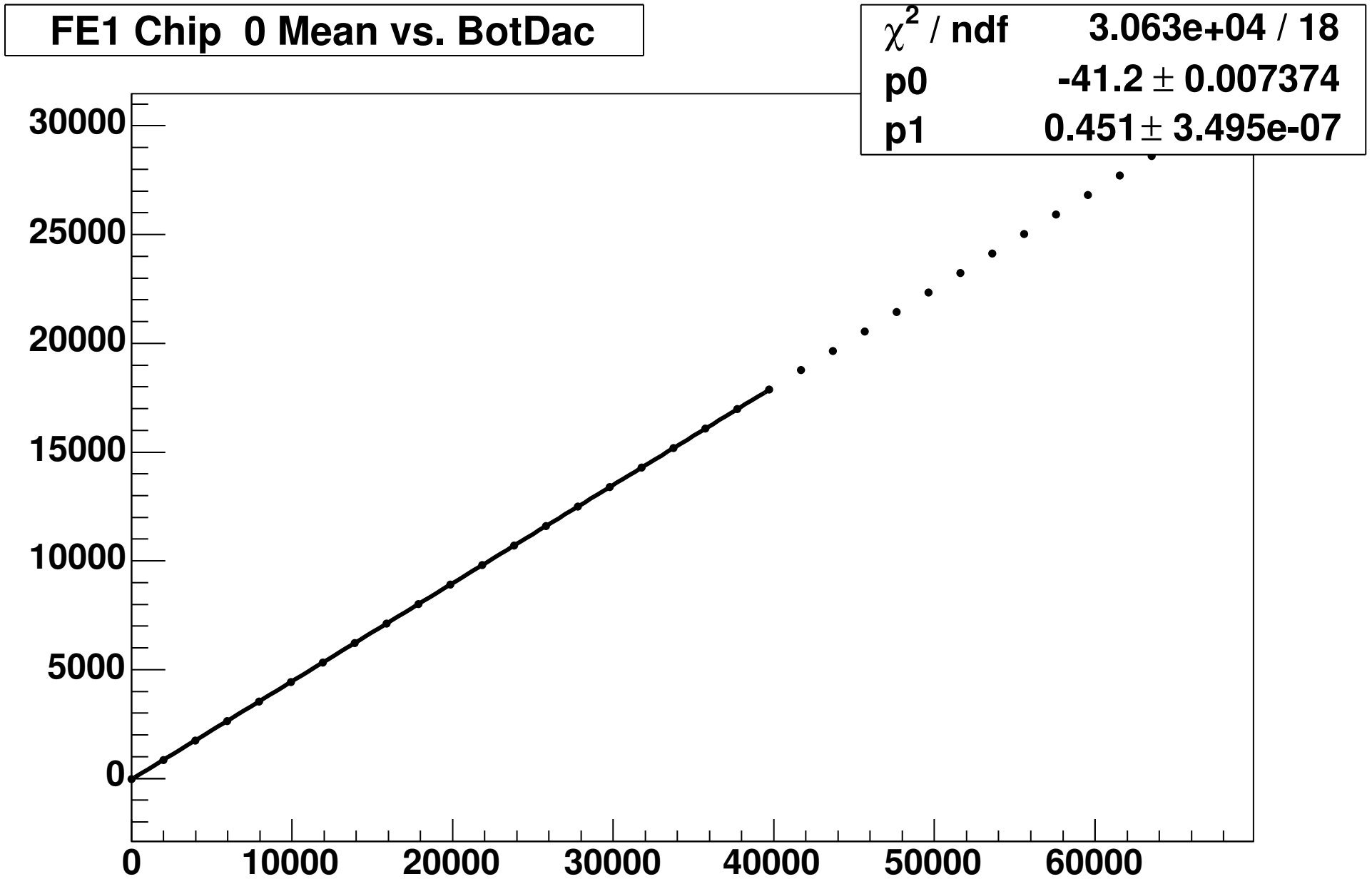
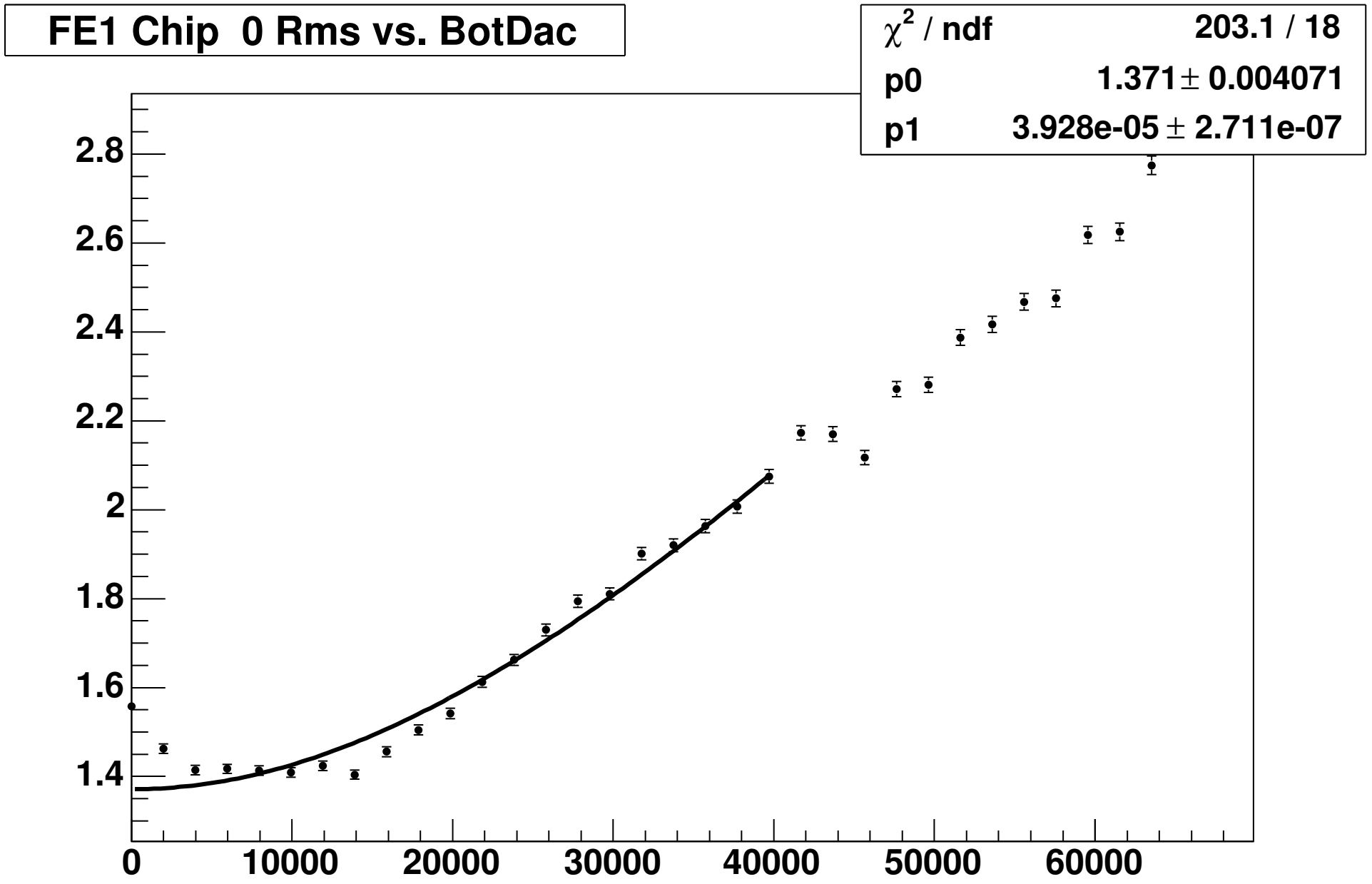
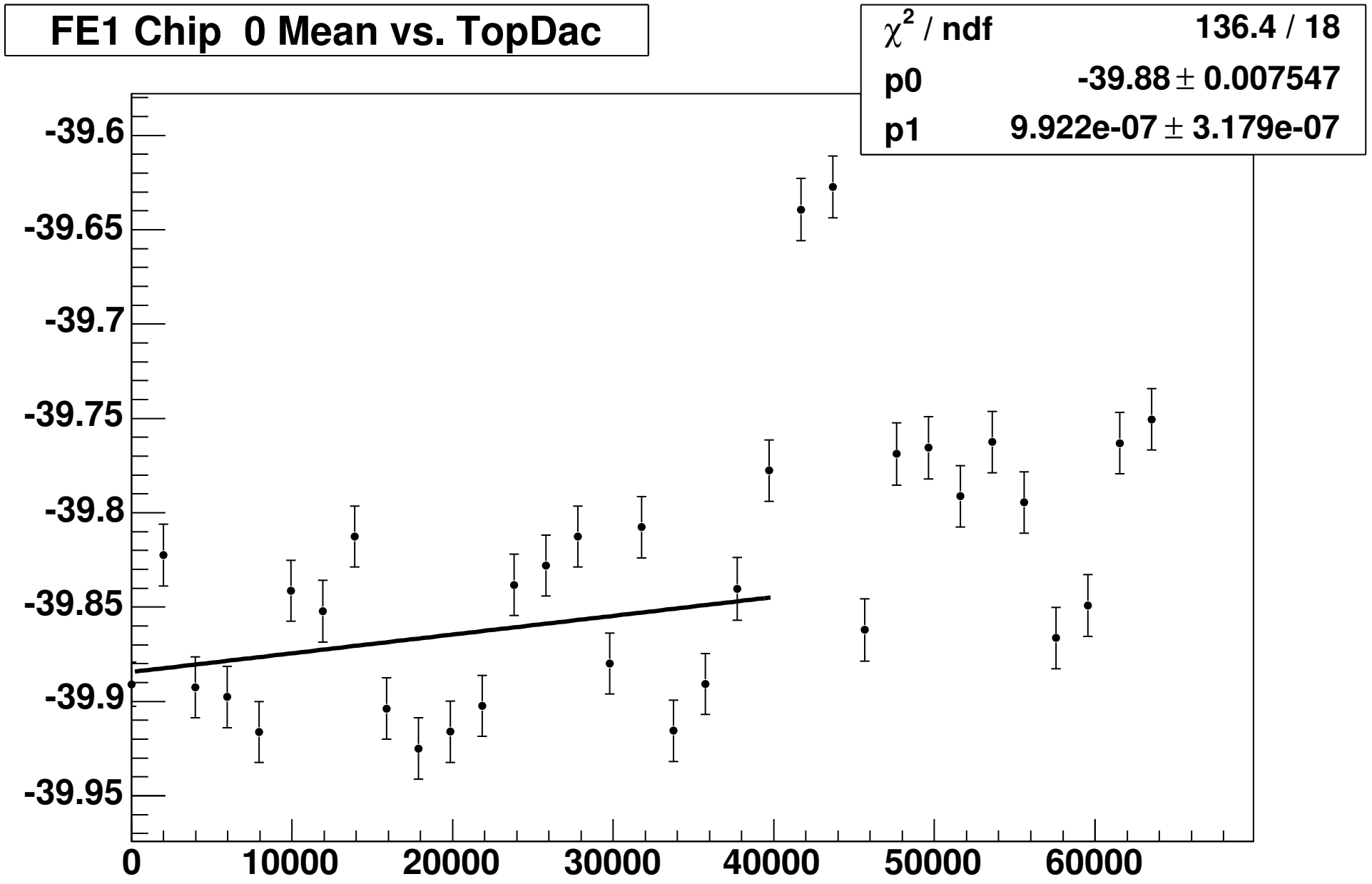
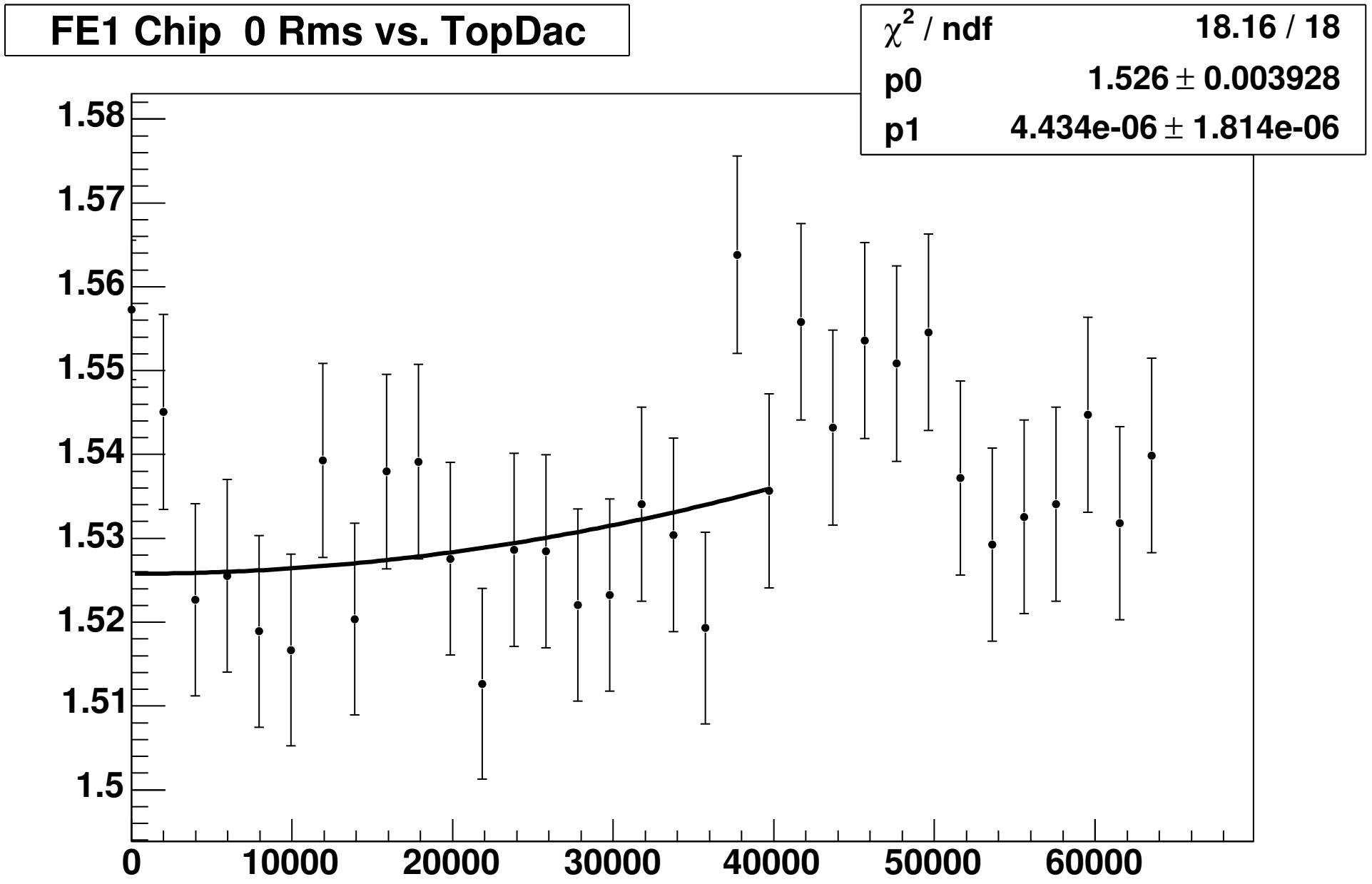
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

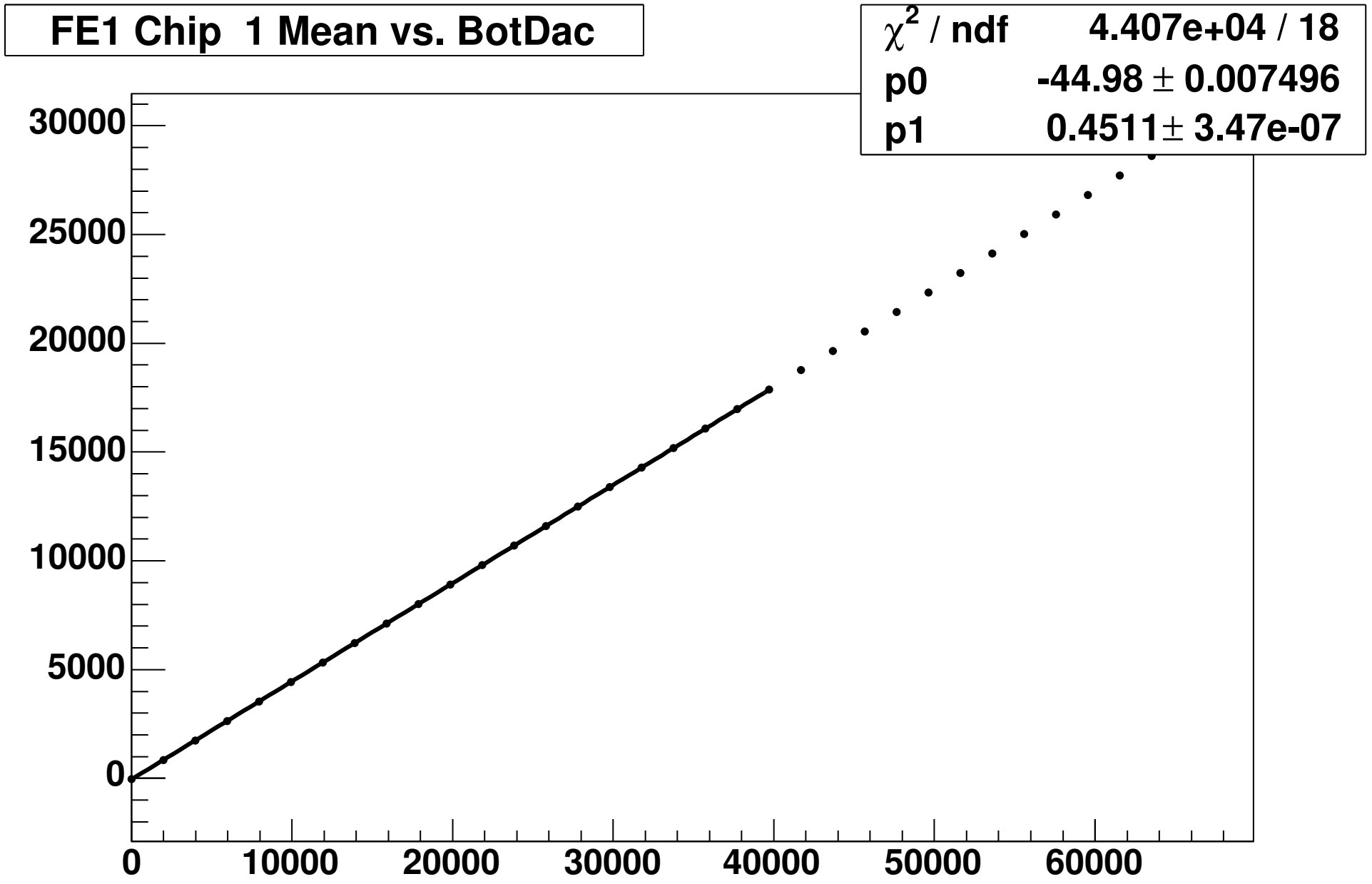

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 4518 / 18
p0 1.271 ± 0.003974
p1 4.265e-05 ± 2.445e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000

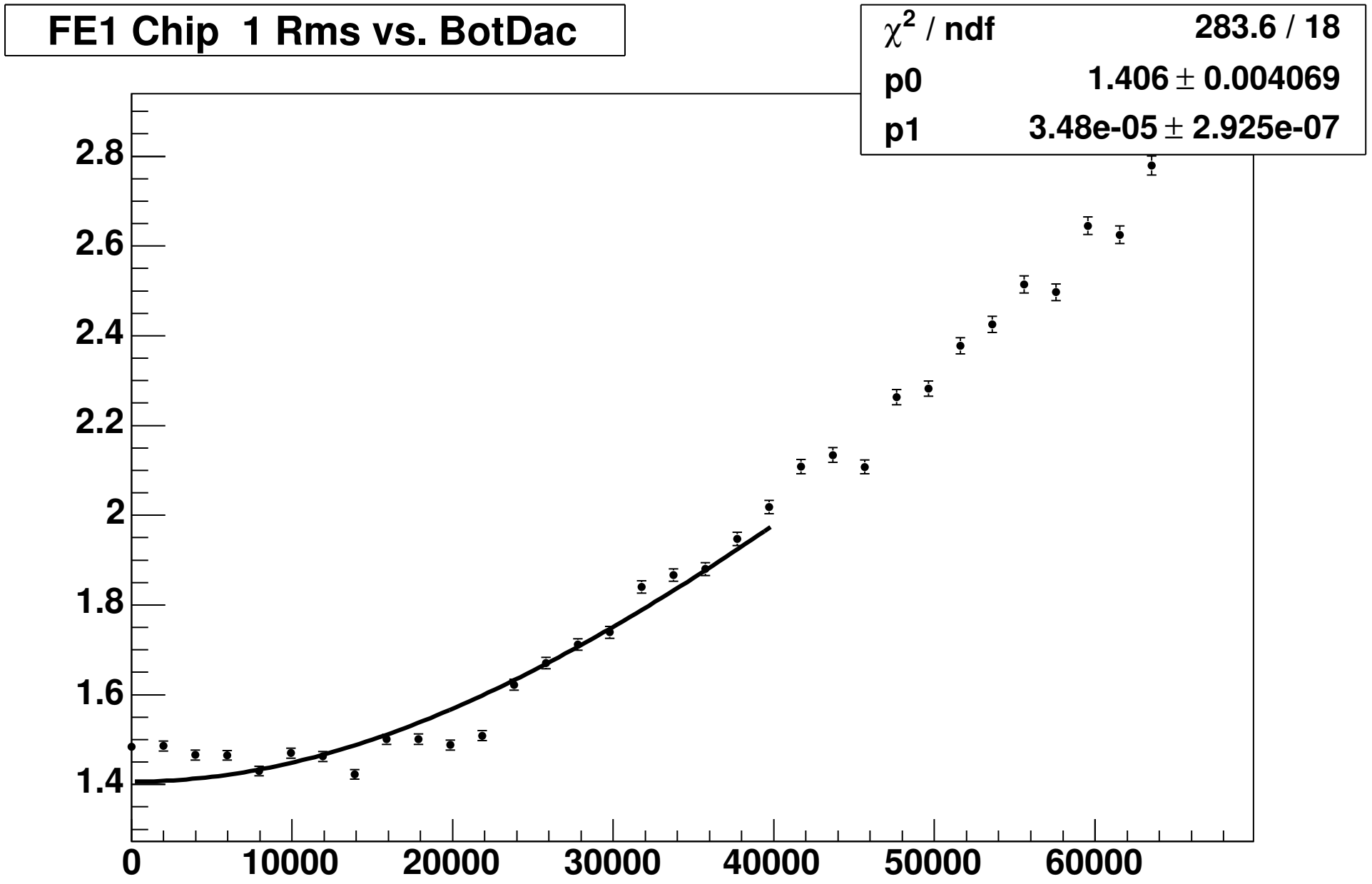

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 3.063e+04 / 18
p0 -41.2 ± 0.007374
p1 0.451 ± 3.495e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 203.1 / 18
p0 1.371 ± 0.004071
p1 3.928e-05 ± 2.711e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 136.4 / 18
p0 -39.88 ± 0.007547
p1 9.922e-07 ± 3.179e-07
-39.6
-39.65
-39.7
-39.75
-39.8
-39.85
-39.9
-39.95
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 18.16 / 18
p0 1.526 ± 0.003928
p1 4.434e-06 ± 1.814e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 4.407e+04 / 18
p0 -44.98 ± 0.007496
p1 0.4511 ± 3.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 283.6 / 18
p0 1.406 ± 0.004069
p1 3.48e-05 ± 2.925e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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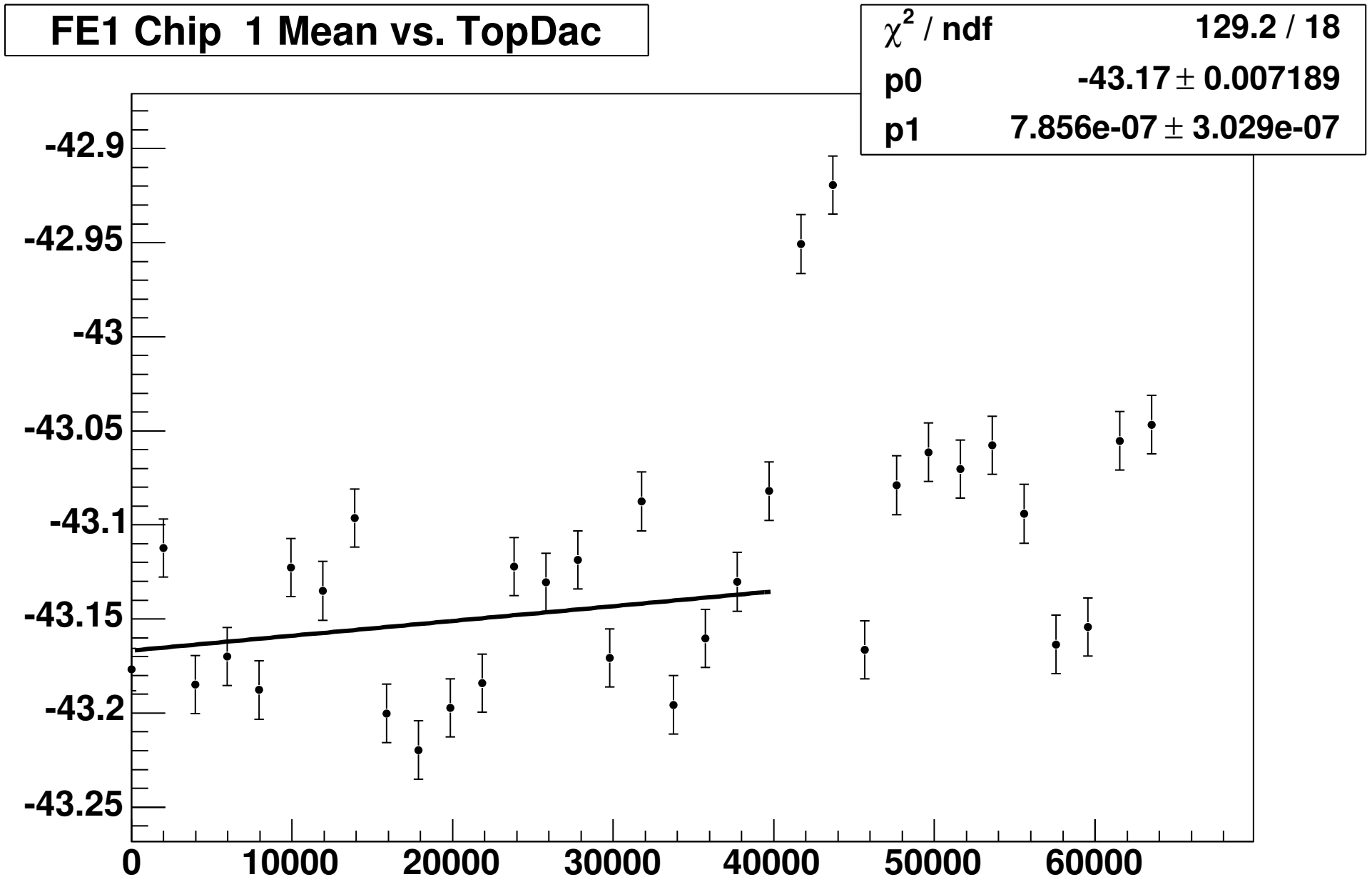
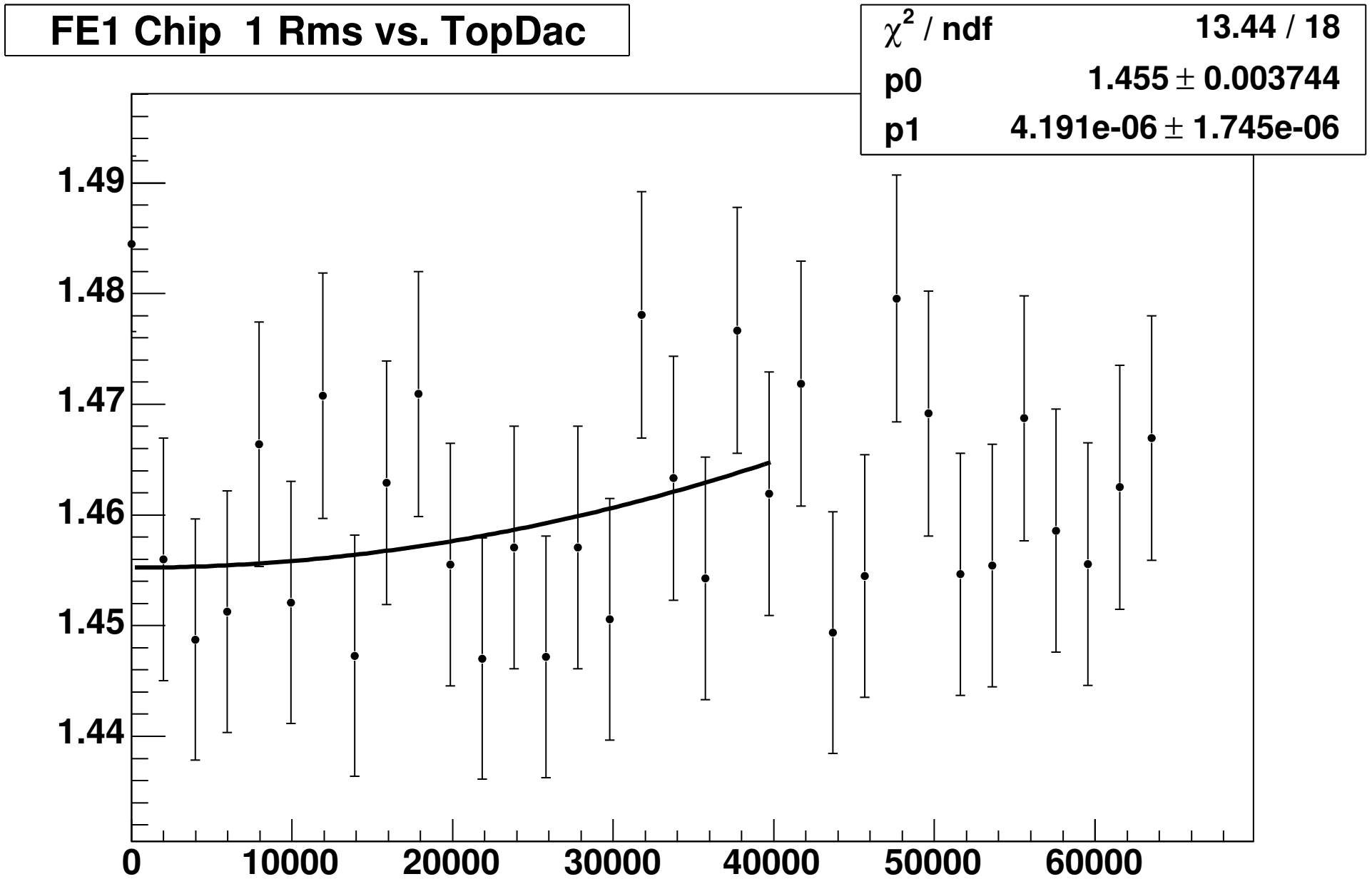
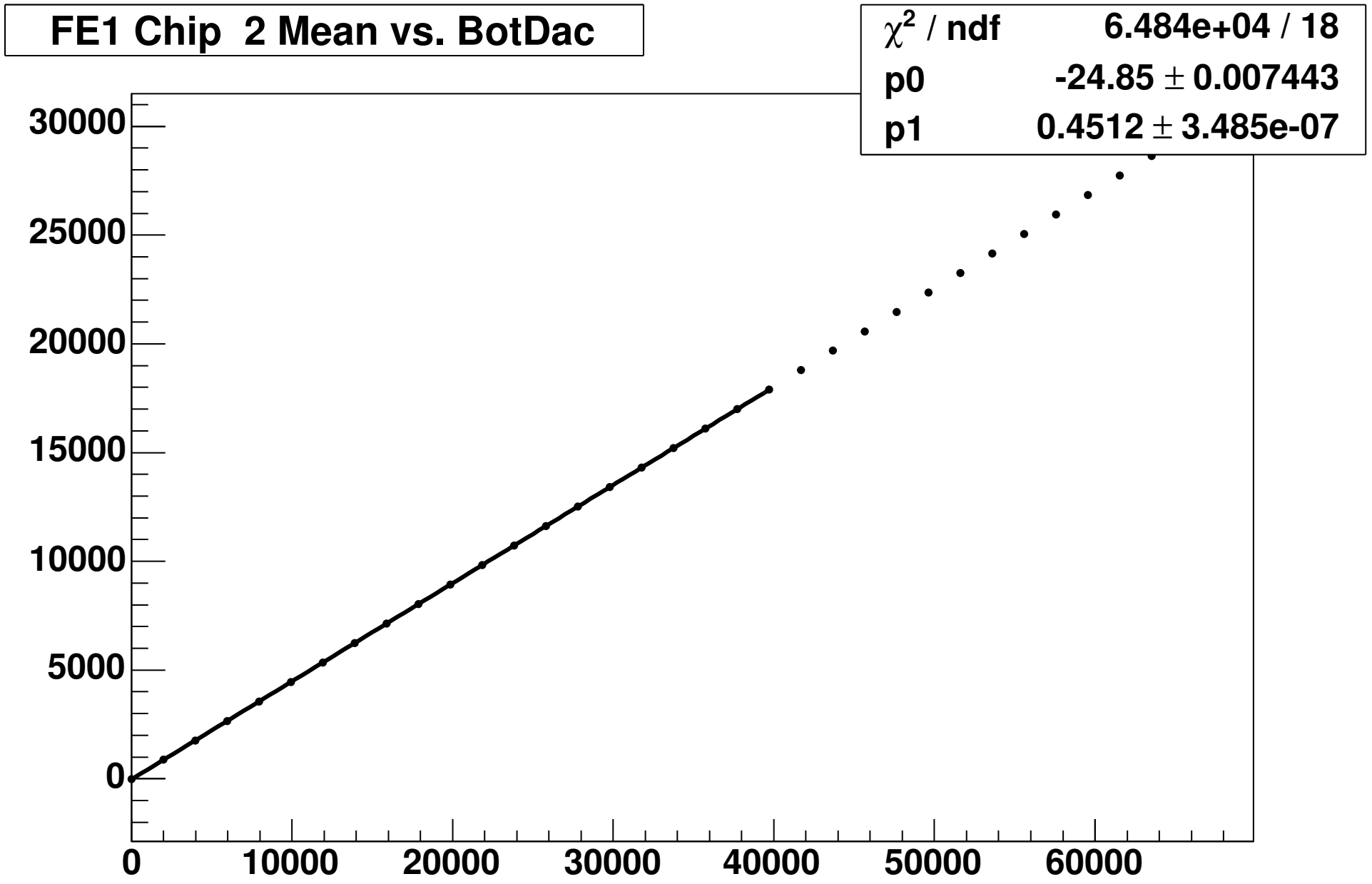
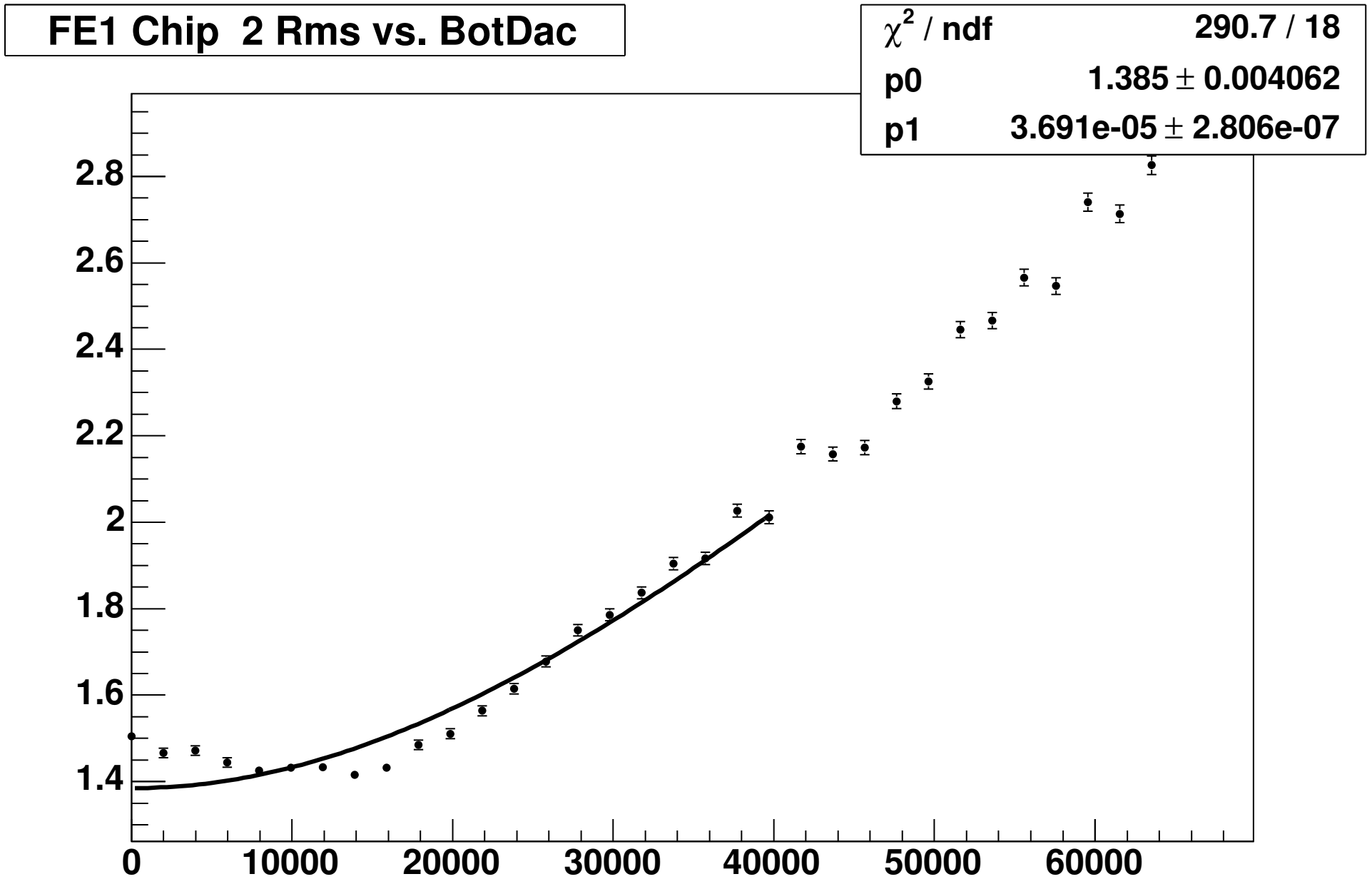
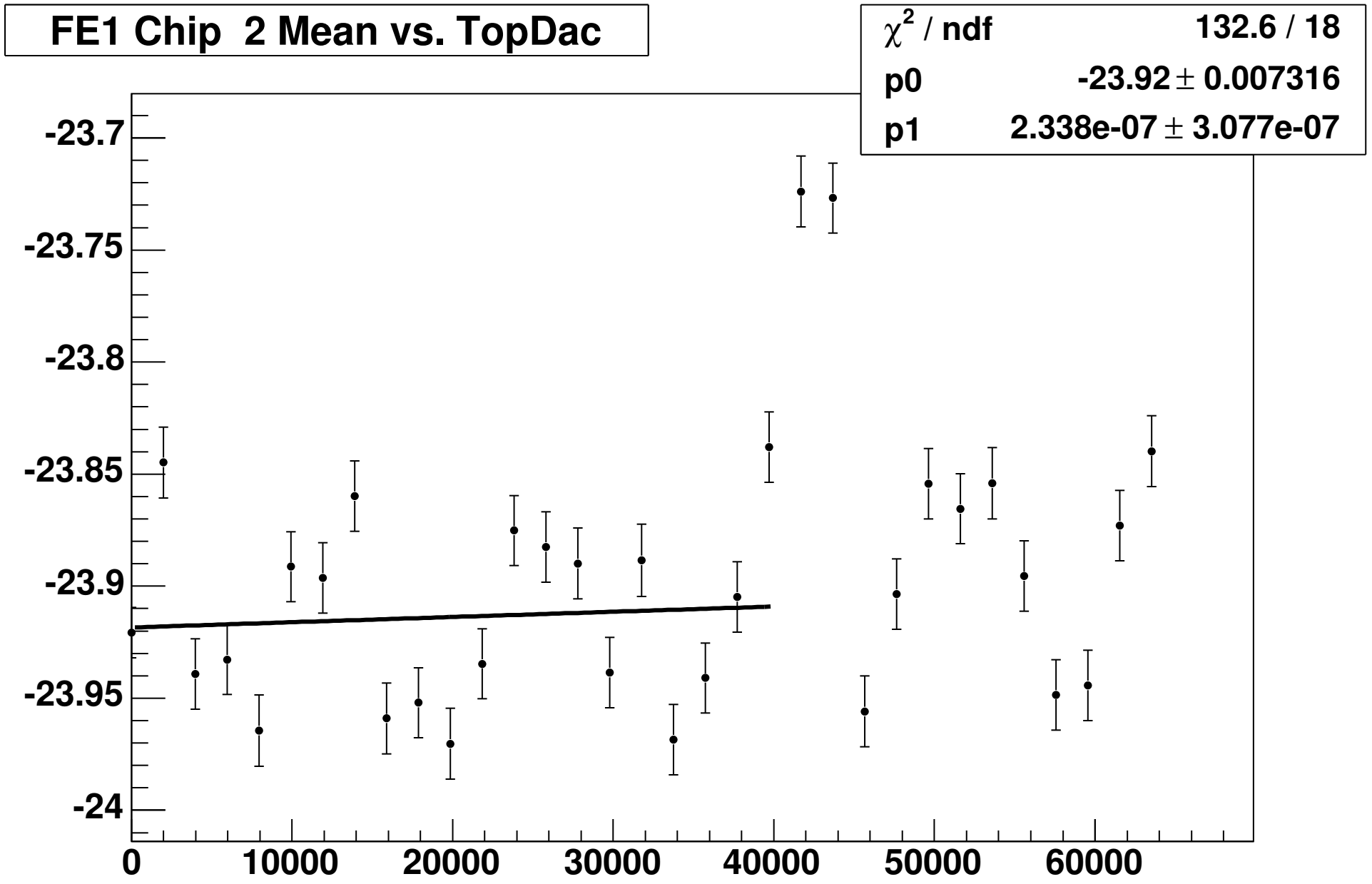
30000
40000
50000
60000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 129.2 / 18
p0 -43.17 ± 0.007189
p1 7.856e-07 ± 3.029e-07
-42.9
-42.95
-43
-43.05
-43.1
-43.15
-43.2
-43.25
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 13.44 / 18
p0 1.455 ± 0.003744
p1 4.191e-06 ± 1.745e-06
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.484e+04 / 18
p0 -24.85 ± 0.007443
p1 0.4512 ± 3.485e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 290.7 / 18
p0 1.385 ± 0.004062
p1 3.691e-05 ± 2.806e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 132.6 / 18
p0 -23.92 ± 0.007316
p1 2.338e-07 ± 3.077e-07
-23.7
-23.75
-23.8
-23.85
-23.9
-23.95
-24
0
10000
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30000
40000
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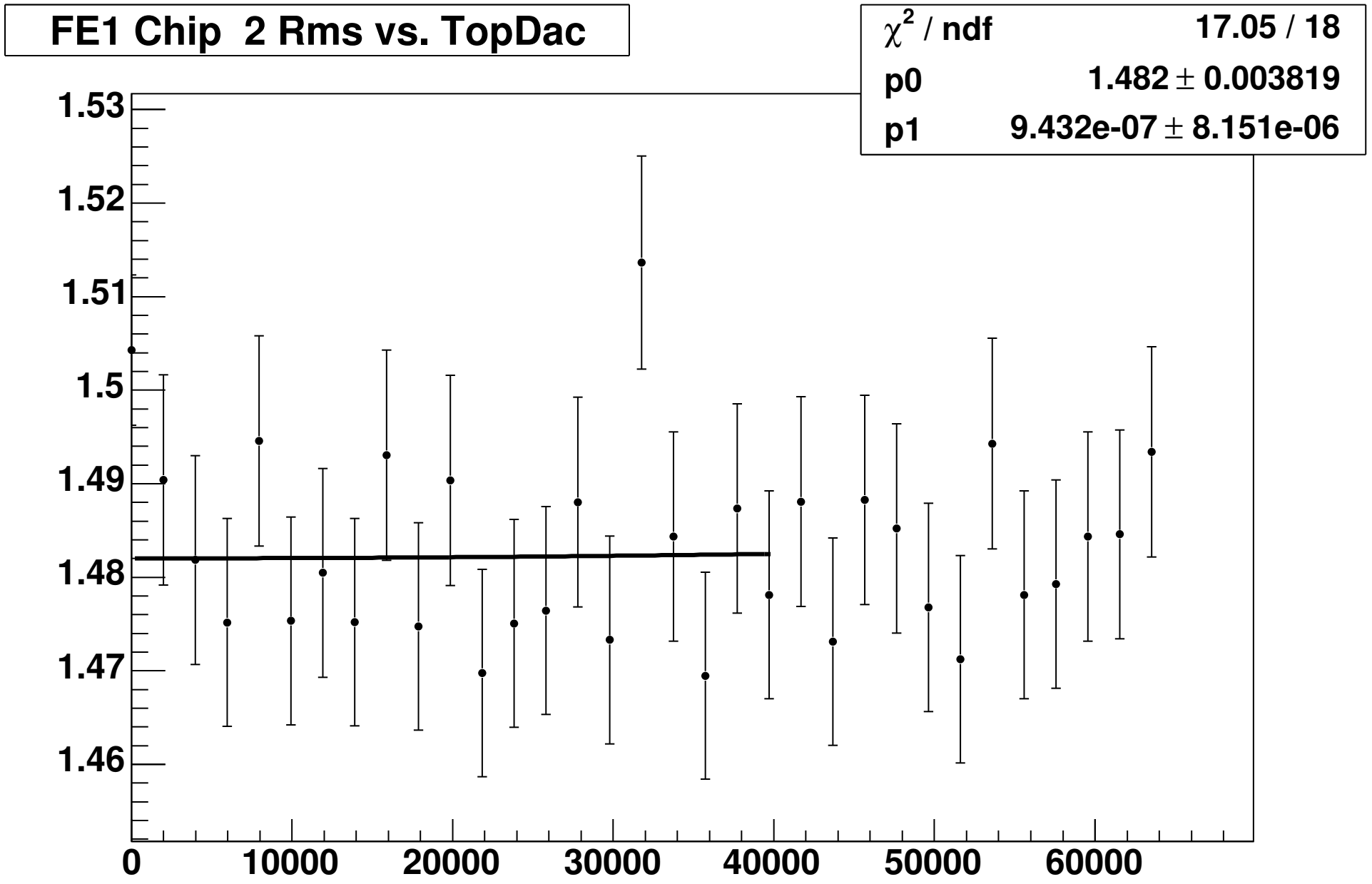
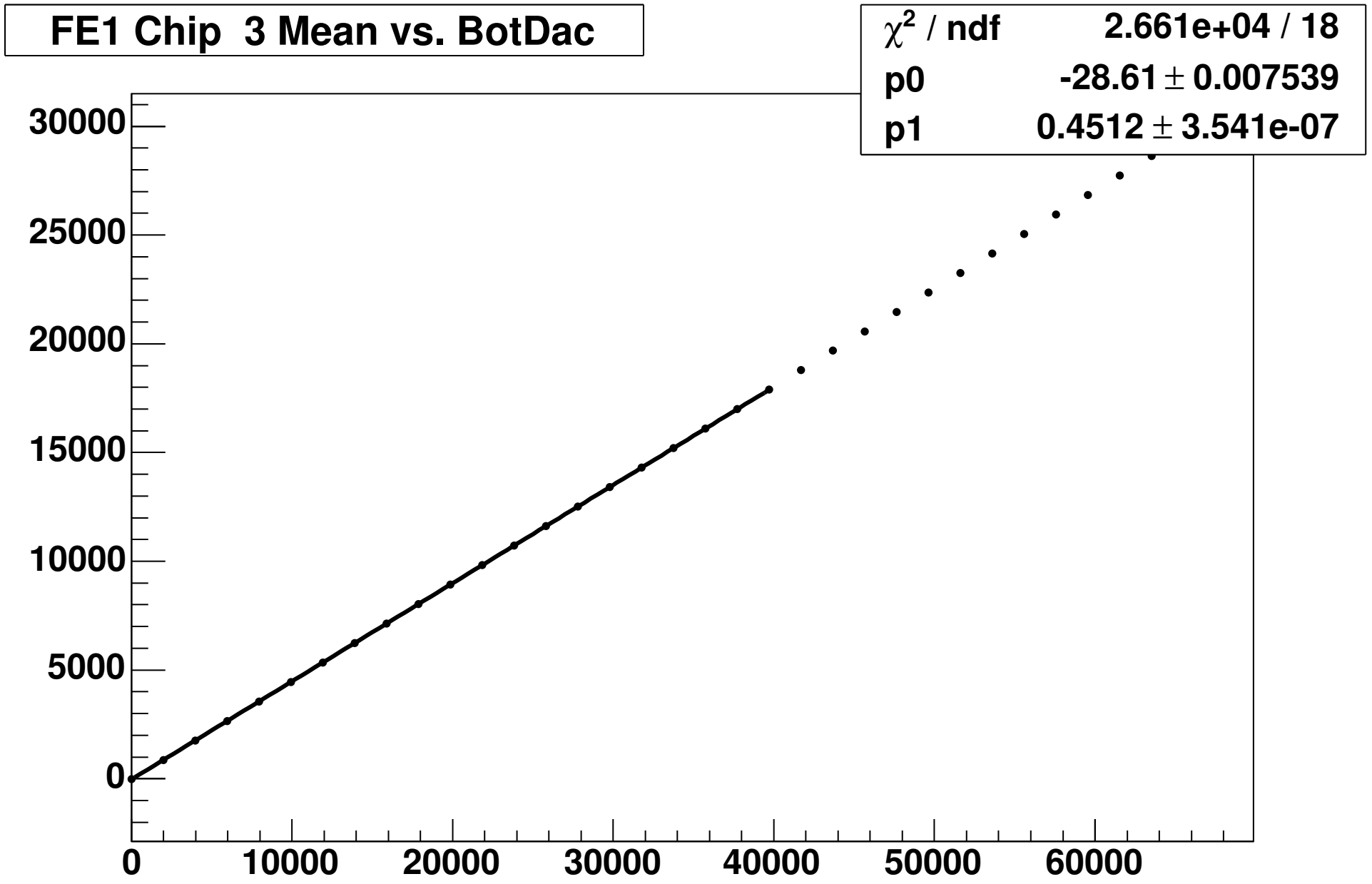
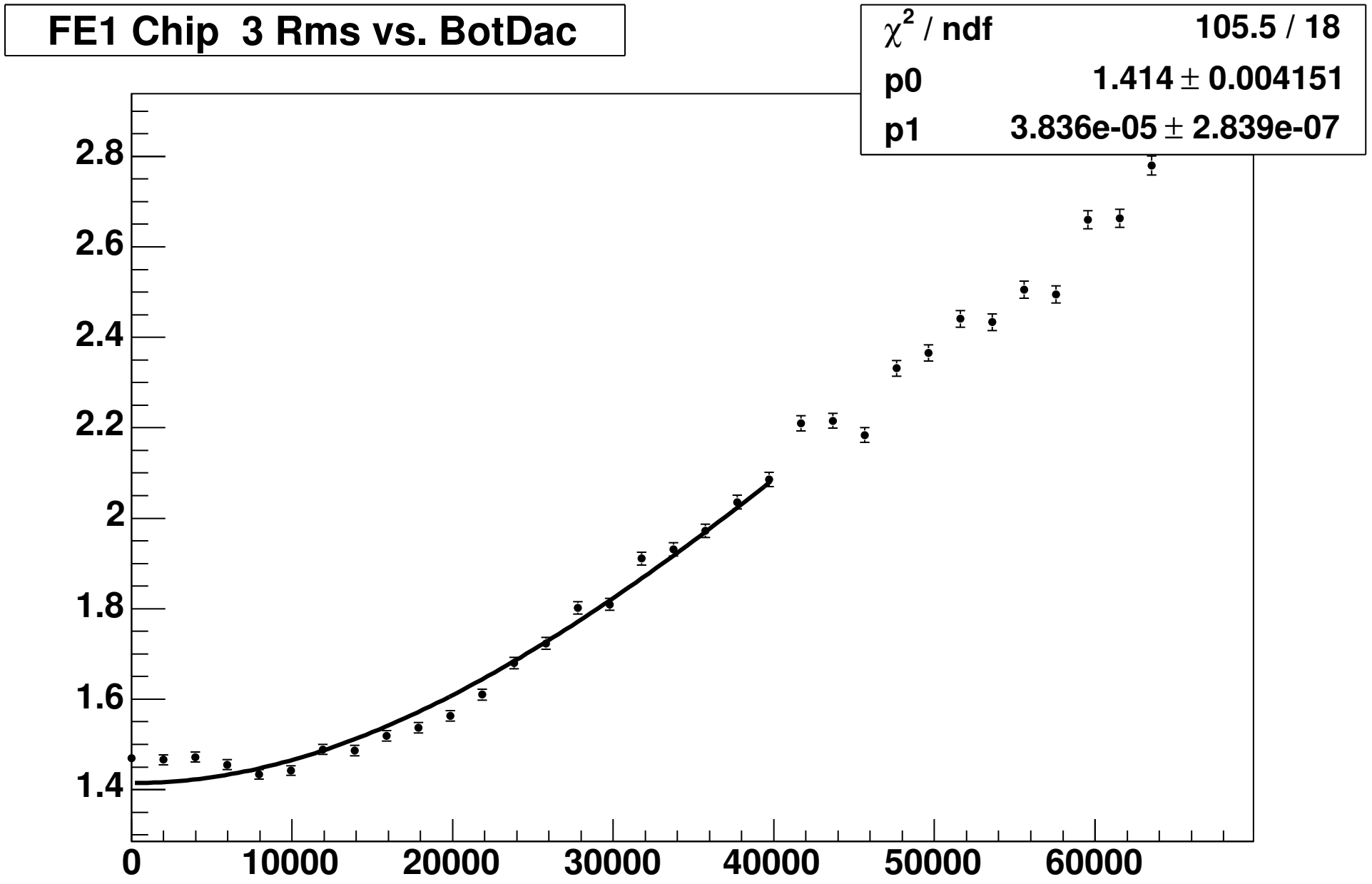
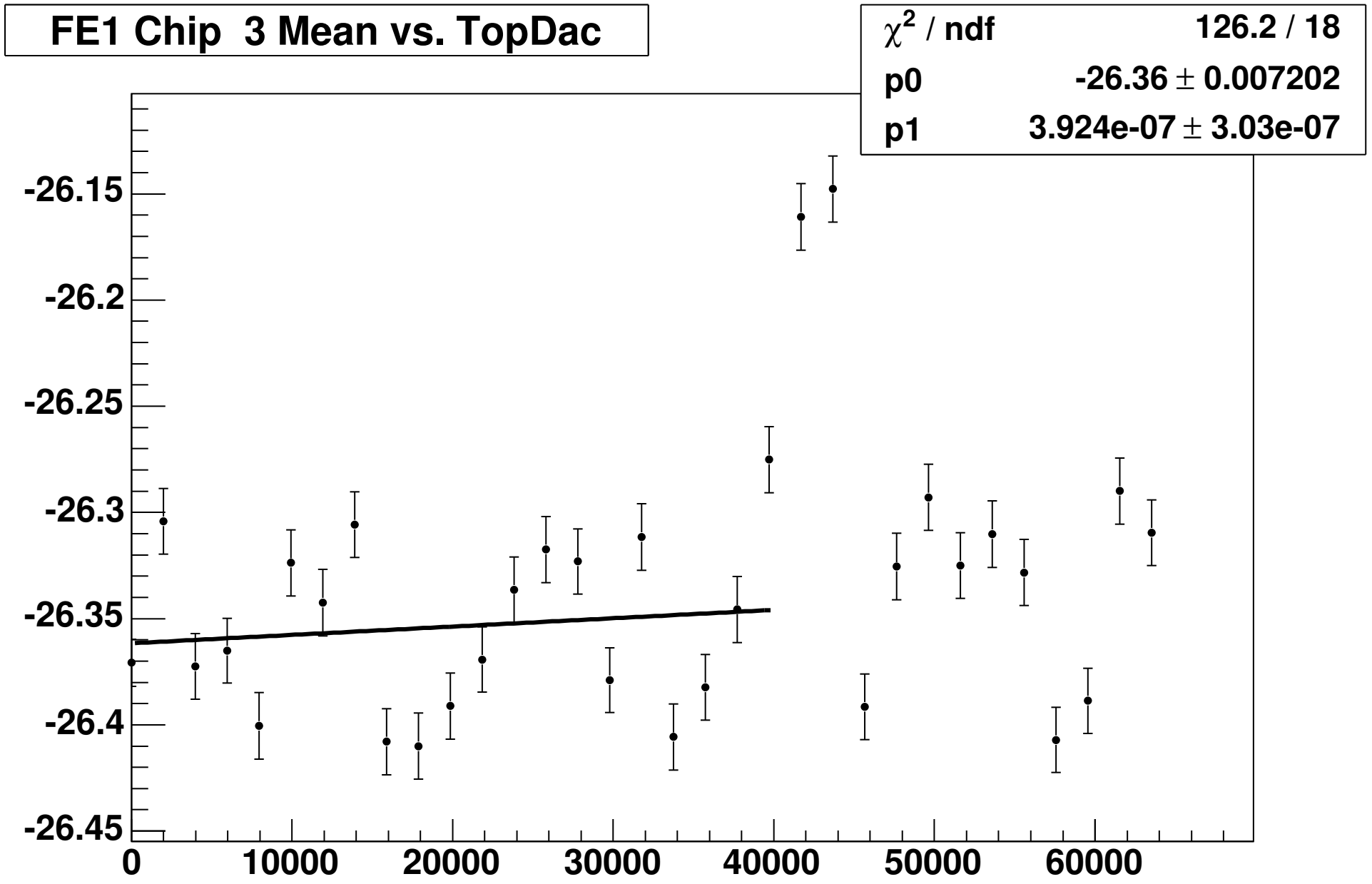
60000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 17.05 / 18
p0 1.482 ± 0.003819
p1 9.432e-07 ± 8.151e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 2.661e+04 / 18
p0 -28.61 ± 0.007539
p1 0.4512 ± 3.541e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 105.5 / 18
p0 1.414 ± 0.004151
p1 3.836e-05 ± 2.839e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 126.2 / 18
p0 -26.36 ± 0.007202
p1 3.924e-07 ± 3.03e-07
-26.15
-26.2
-26.25
-26.3
-26.35
-26.4
-26.45
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10000
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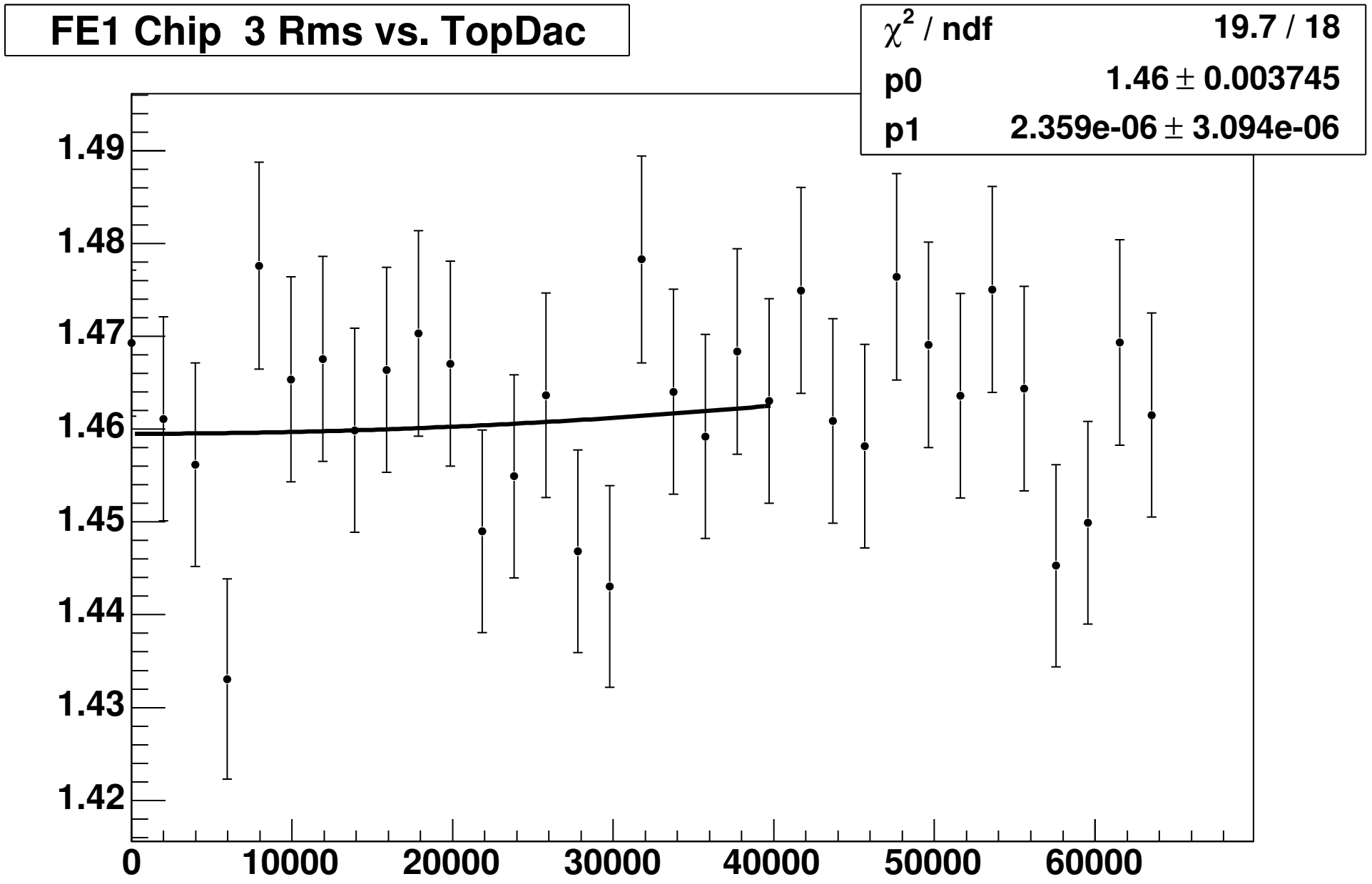
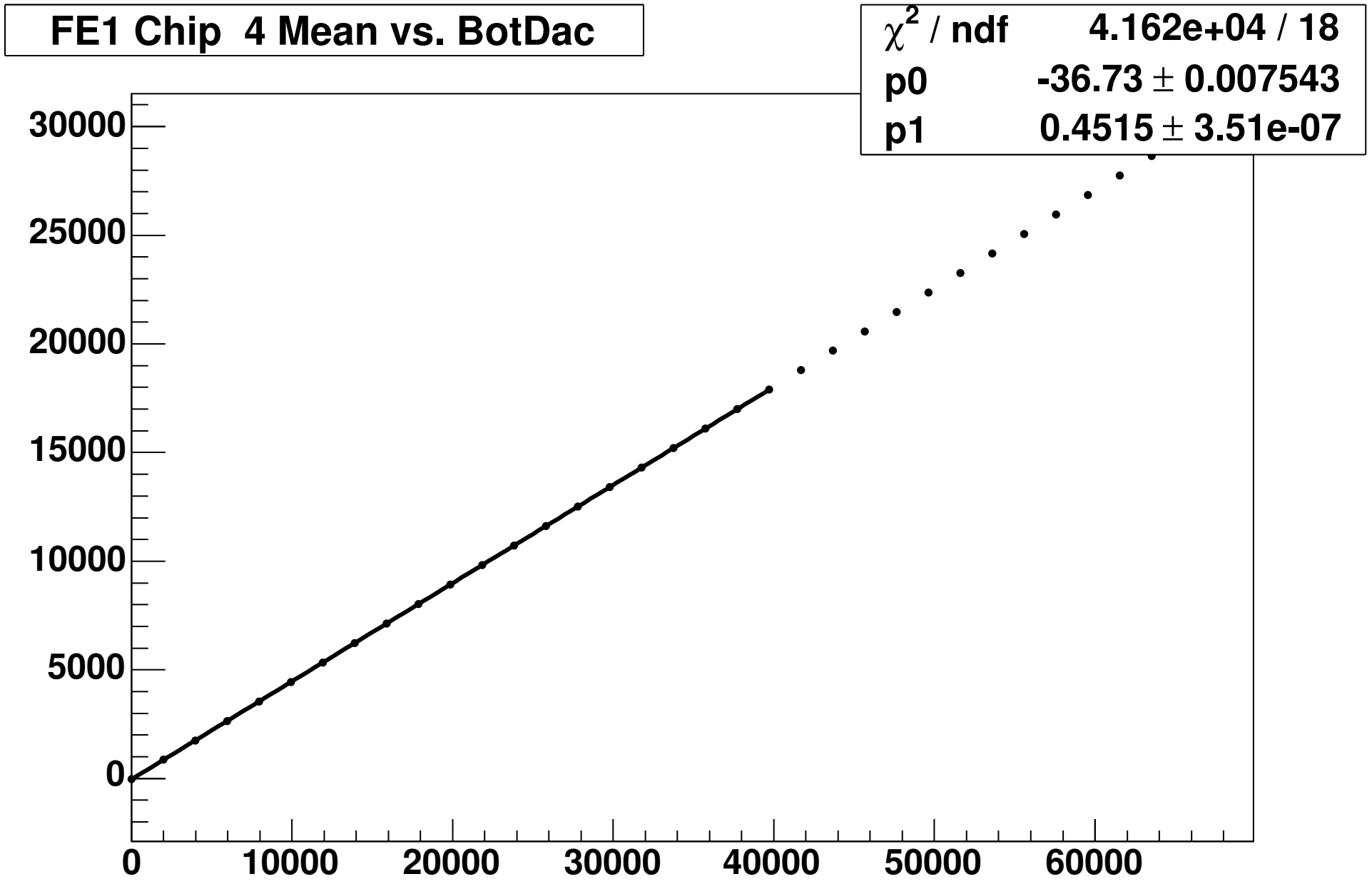
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 19.7 / 18
p0 1.46 ± 0.003745
p1 2.359e-06 ± 3.094e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 4.162e+04 / 18
p0 -36.73 ± 0.007543
p1 0.4515 ± 3.51e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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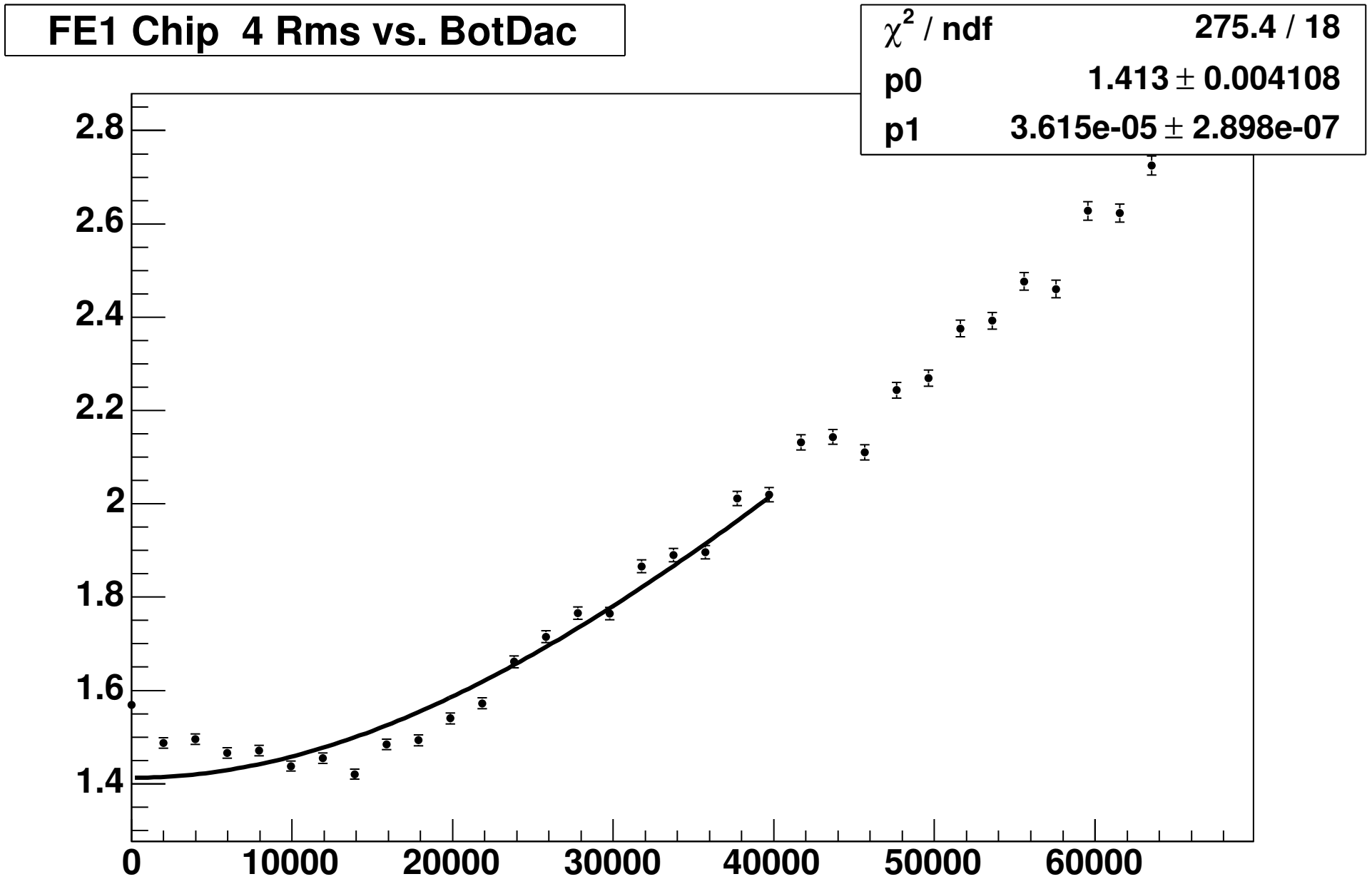
FE1 Chip 4 Rms vs. BotDac
χ² / ndf 275.4 / 18
p0 1.413 ± 0.004108
p1 3.615e-05 ± 2.898e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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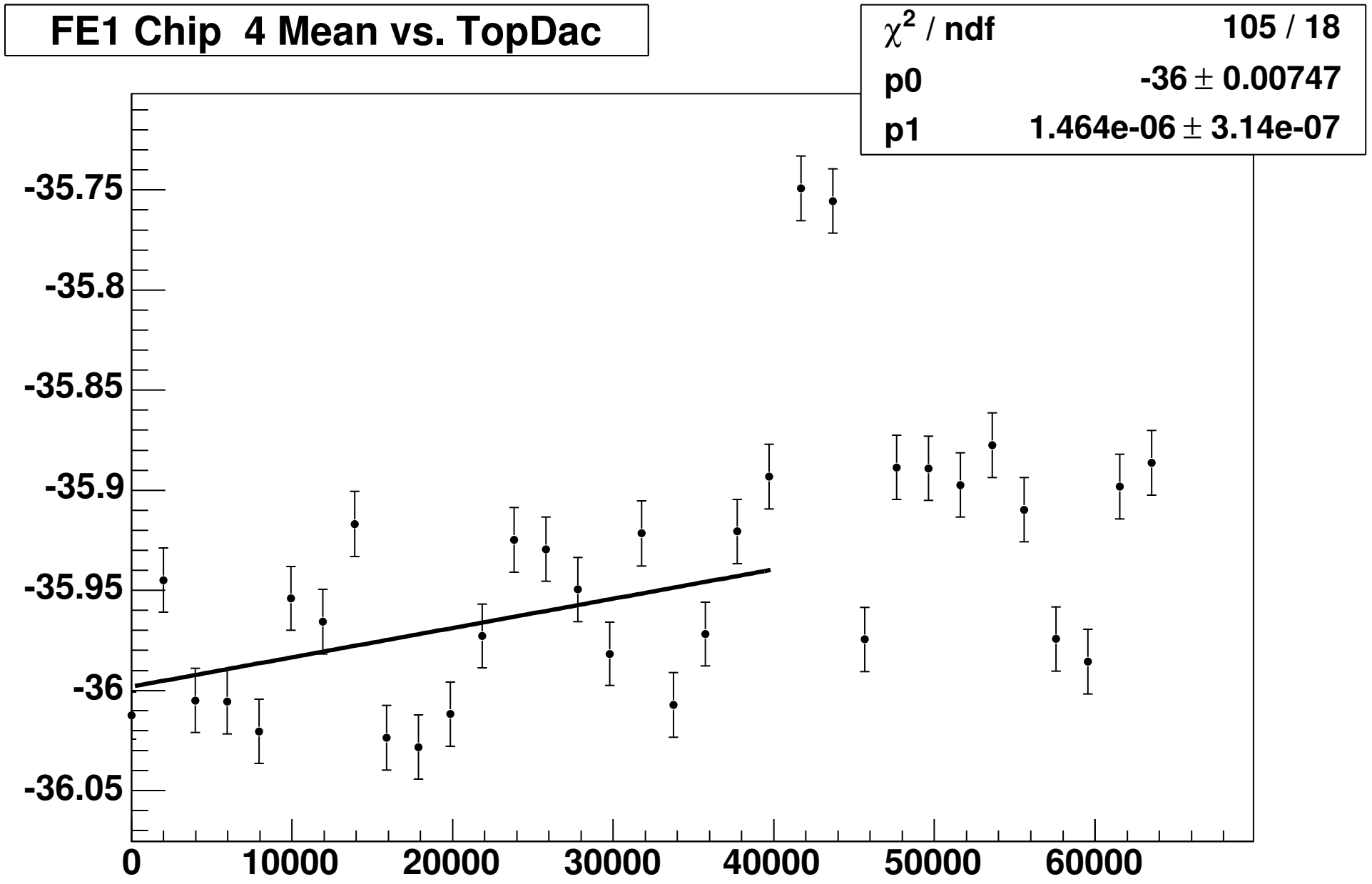
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 105 / 18
p0 -36 ± 0.00747
p1 1.464e-06 ± 3.14e-07
-35.75
-35.8
-35.85
-35.9
-35.95
-36
-36.05
0
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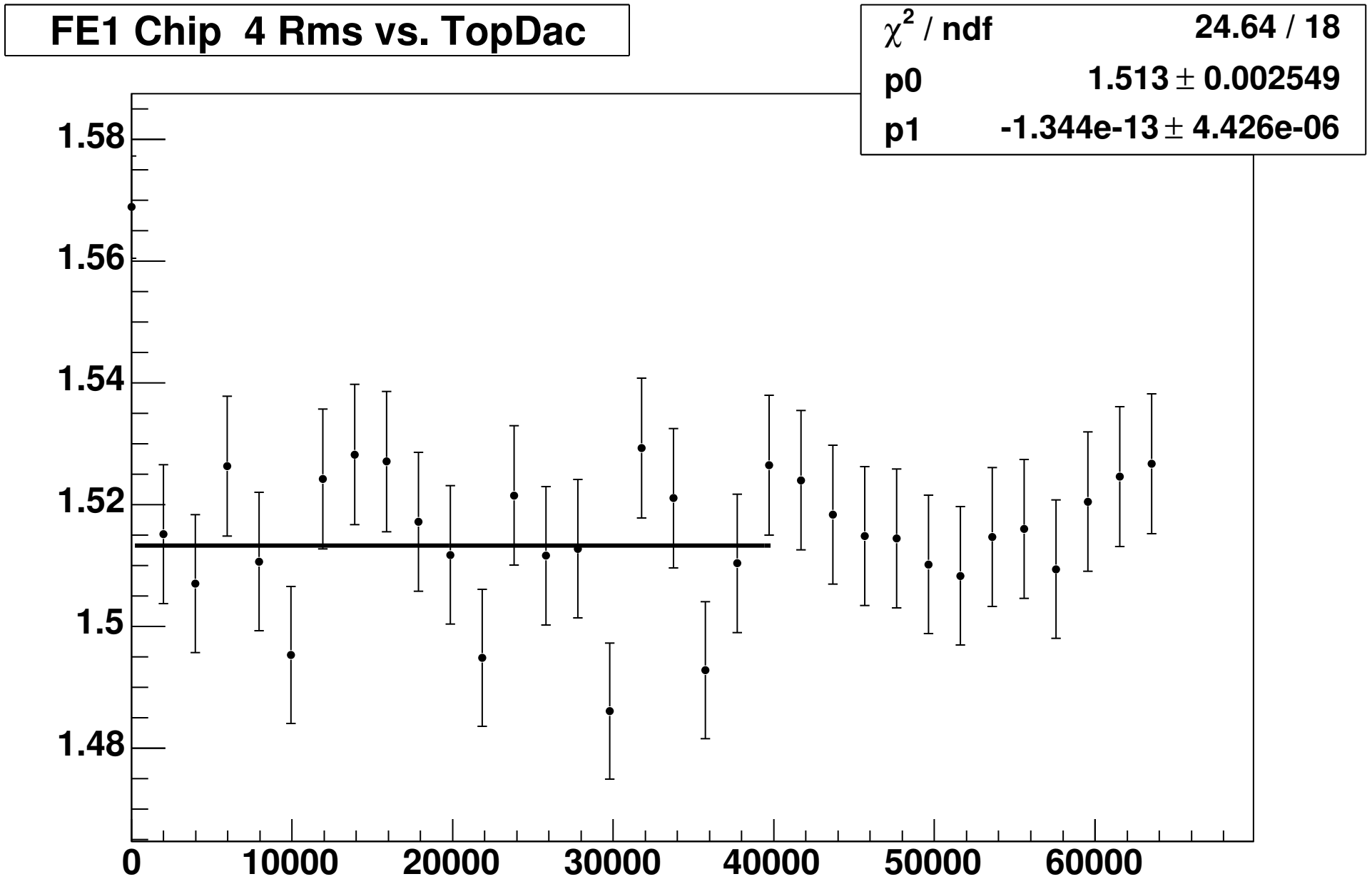
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 24.64 / 18
p0 1.513 ± 0.002549
p1 -1.344e-13 ± 4.426e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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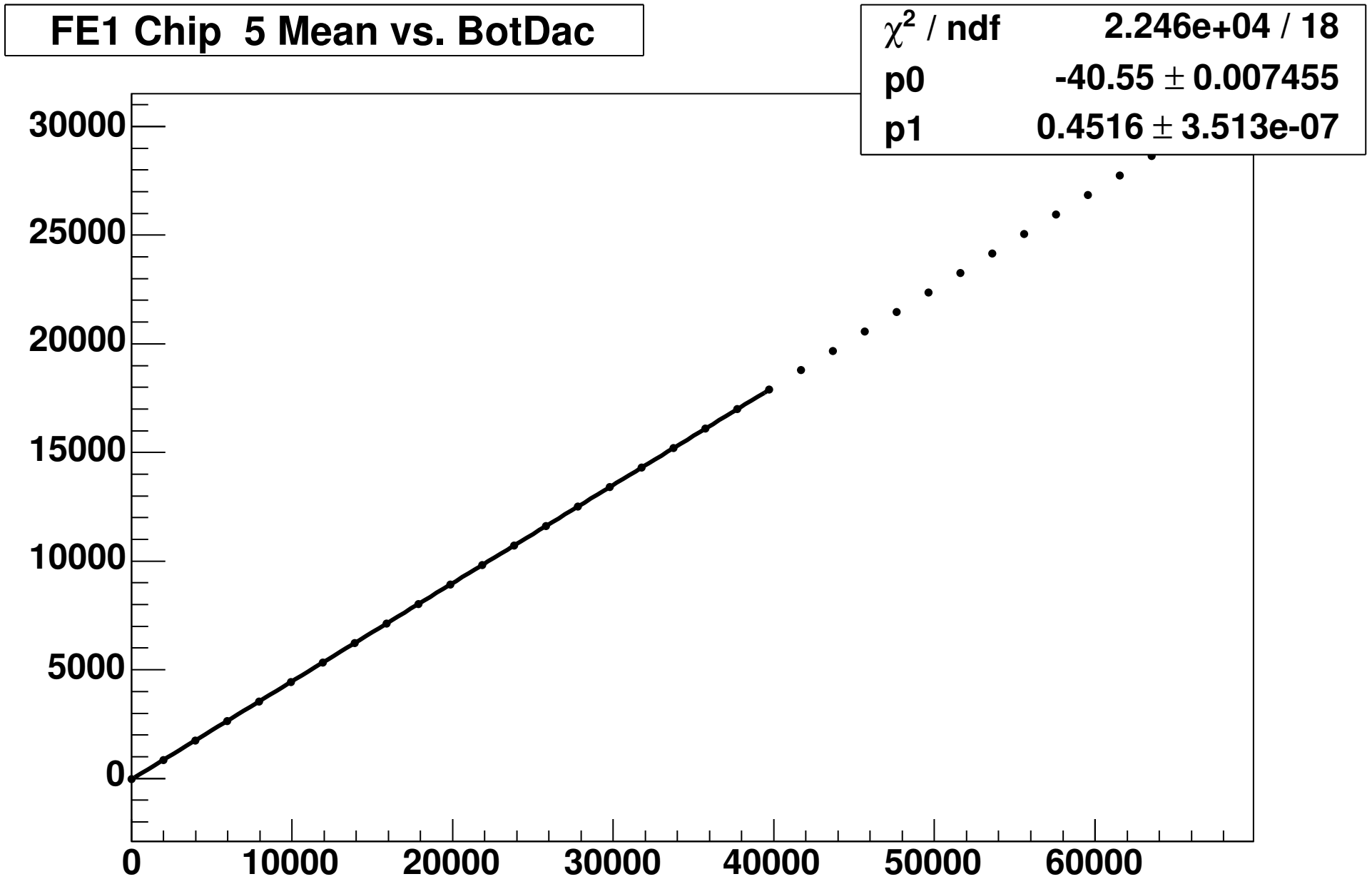
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 2.246e+04 / 18
p0 -40.55 ± 0.007455
p1 0.4516 ± 3.513e-07
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5000
0
0
10000
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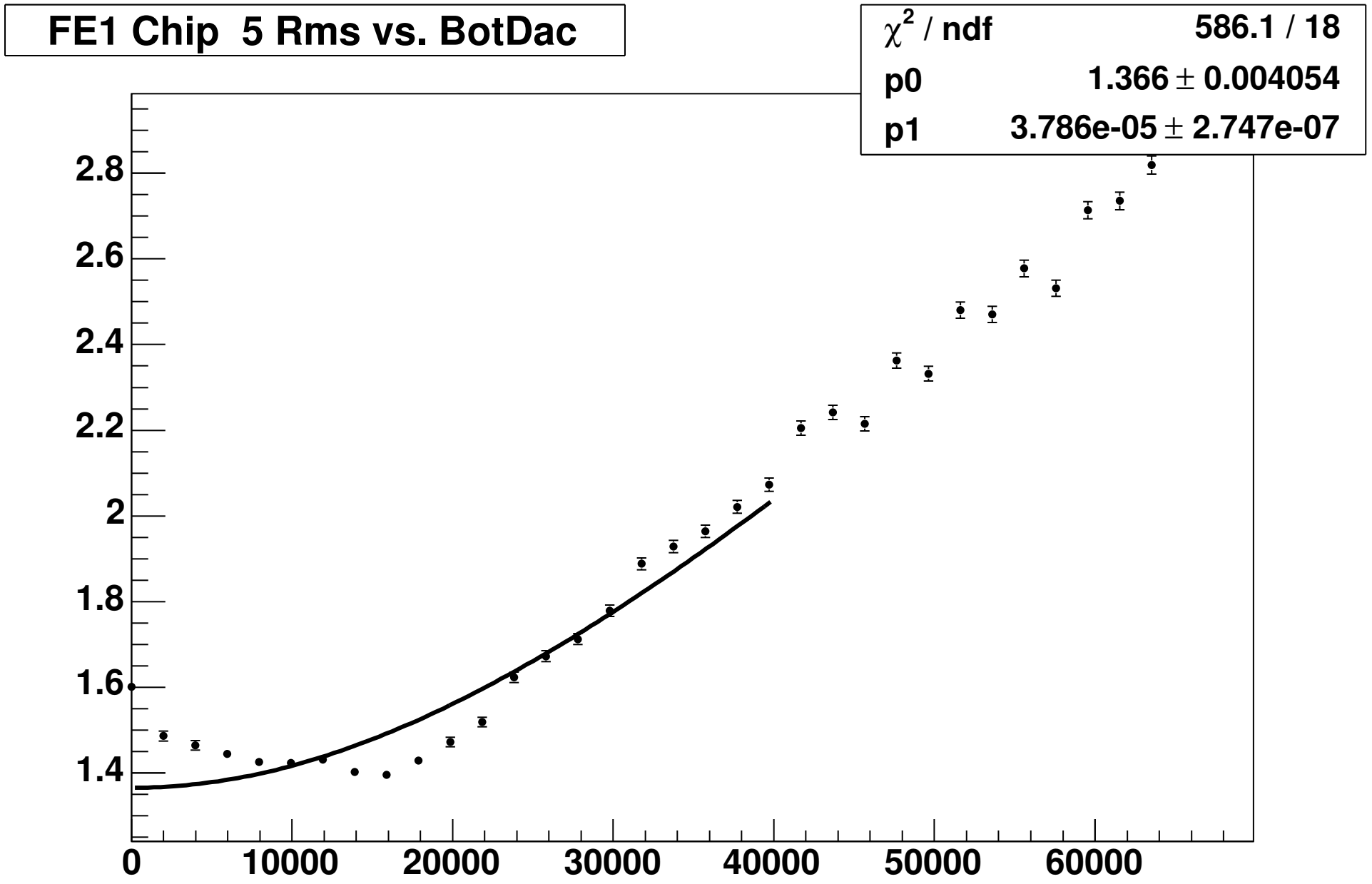
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 586.1 / 18
p0 1.366 ± 0.004054
p1 3.786e-05 ± 2.747e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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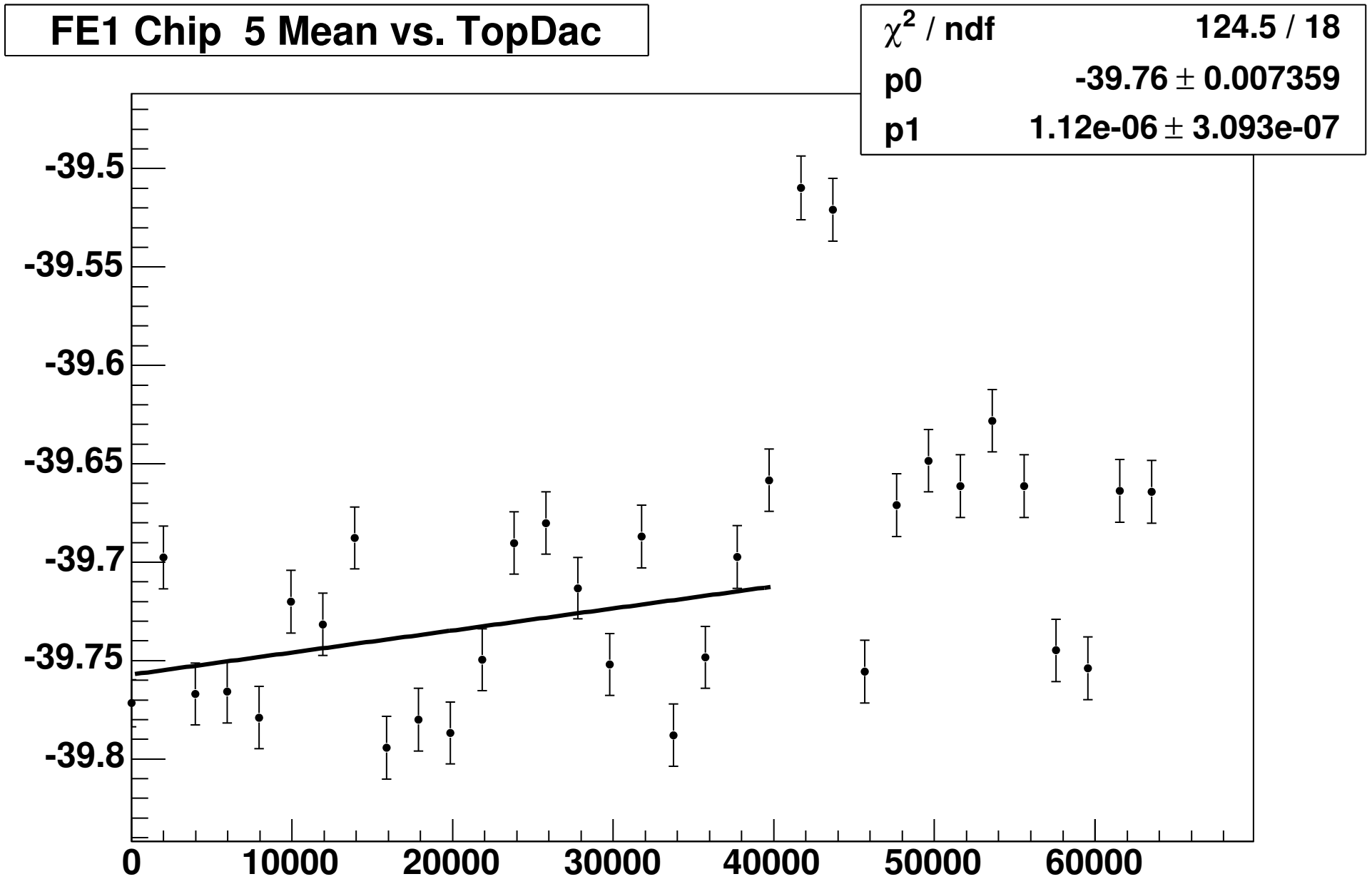
FE1 Chip 5 Mean vs. TopDac
χ^2 / ndf 124.5 / 18
p0 -39.76 ± 0.007359
p1 1.12e-06 ± 3.093e-07
-39.5
-39.55
-39.6
-39.65
-39.7
-39.75
-39.8
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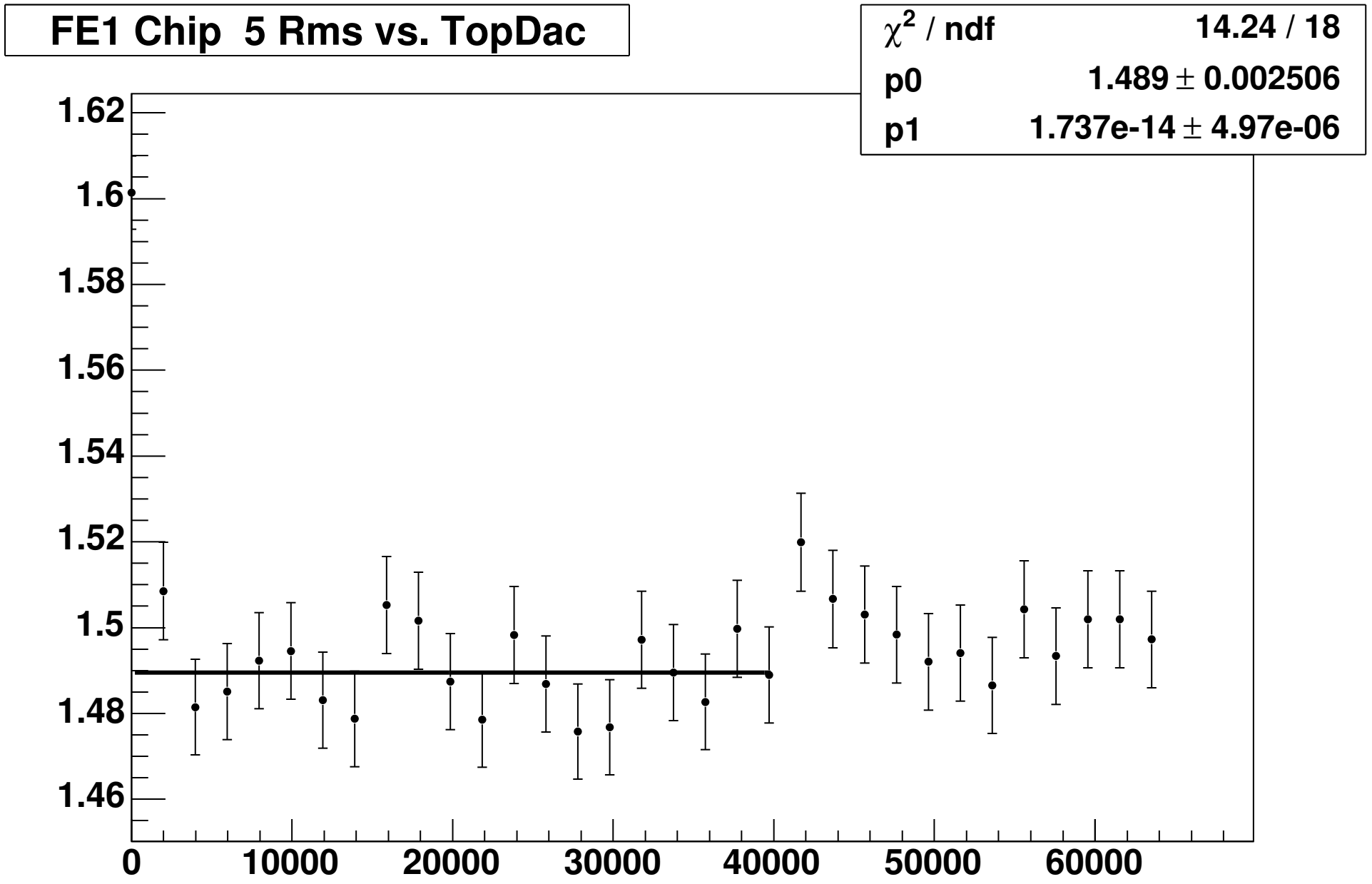
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 14.24 / 18
p0 1.489 ± 0.002506
p1 1.737e-14 ± 4.97e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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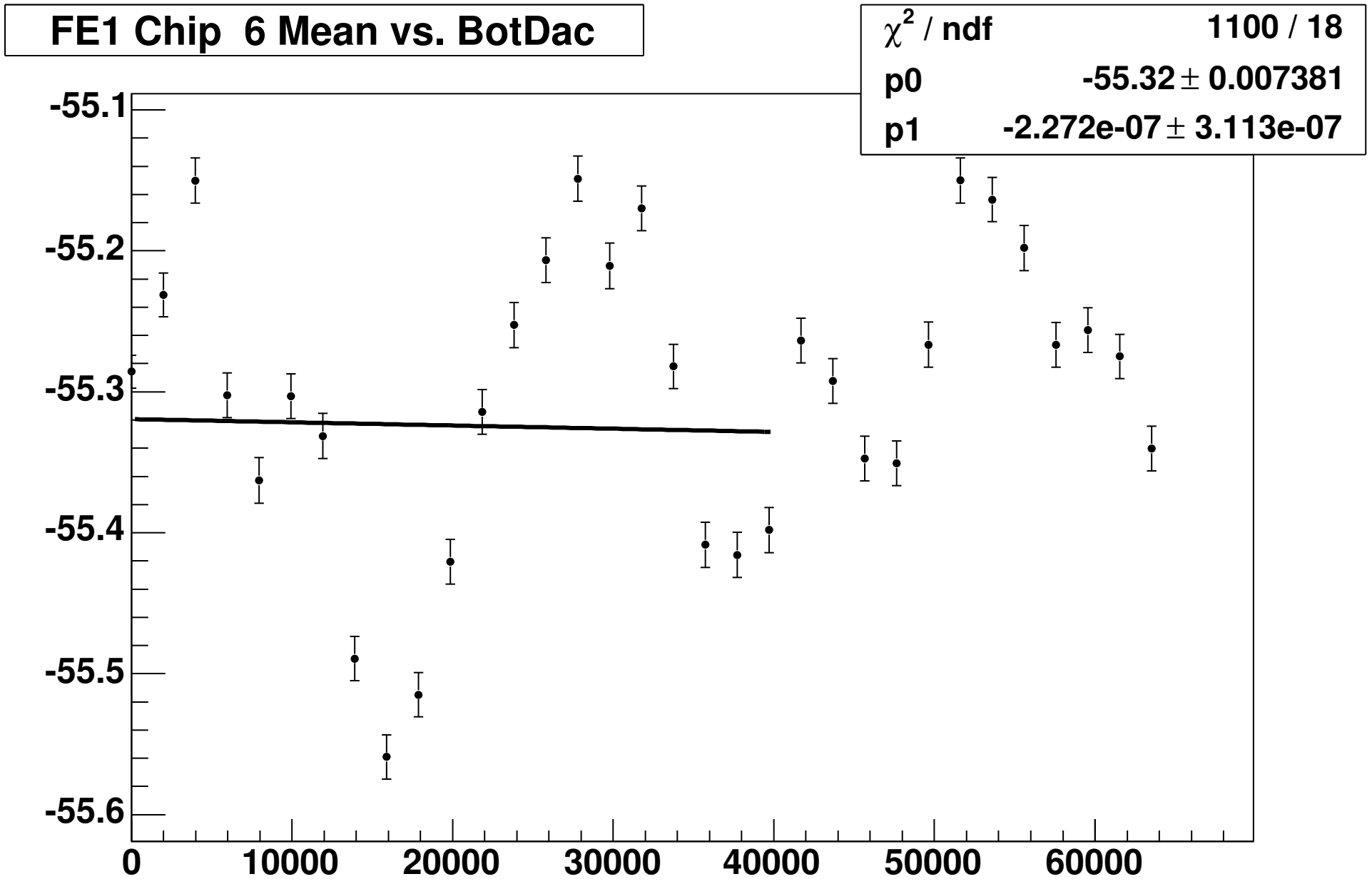
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1100 / 18
p0 -55.32 ± 0.007381
p1 -2.272e-07 ± 3.113e-07
-55.1
-55.2
-55.3
-55.4
-55.5
-55.6
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10000
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50000
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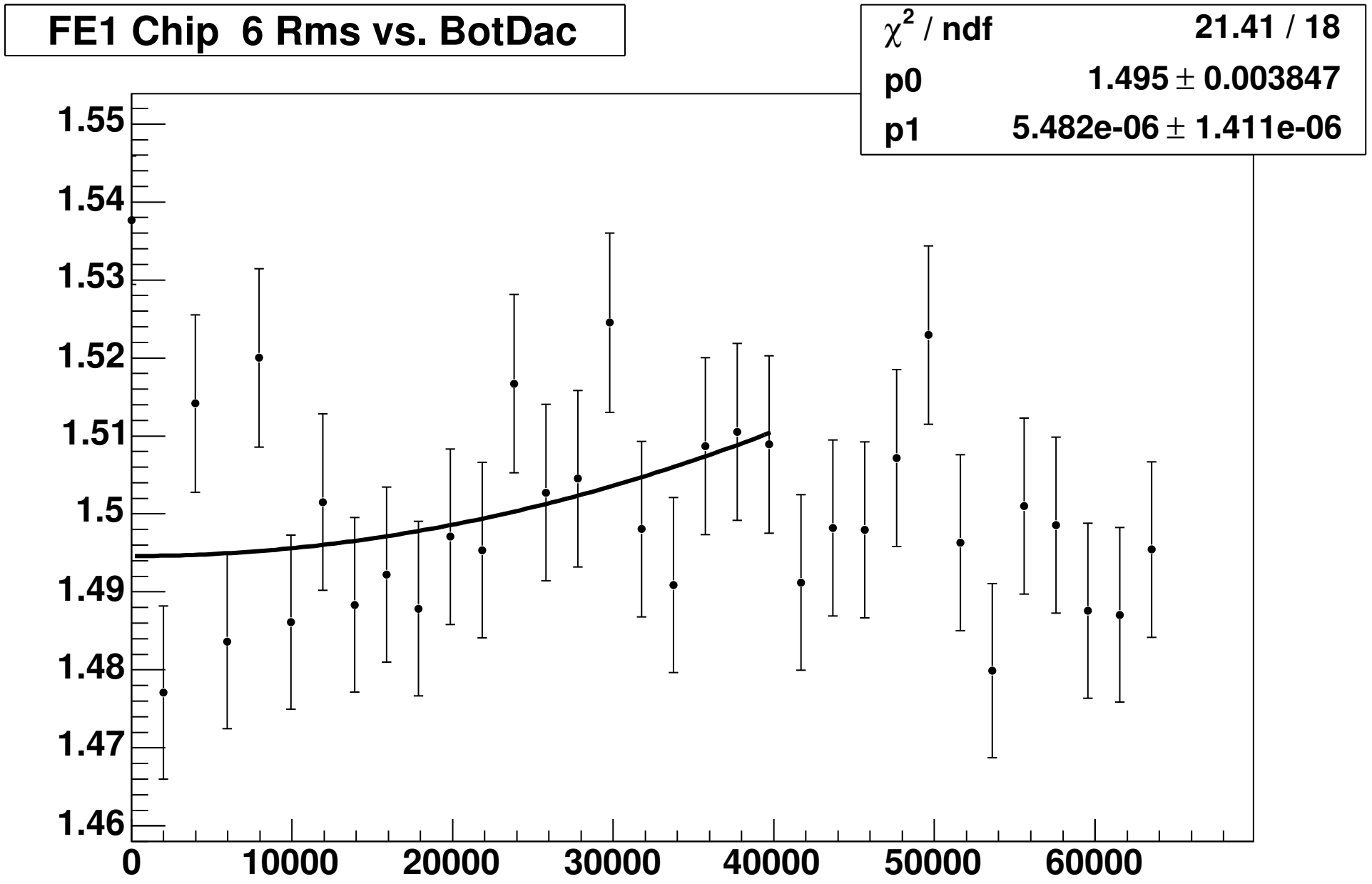
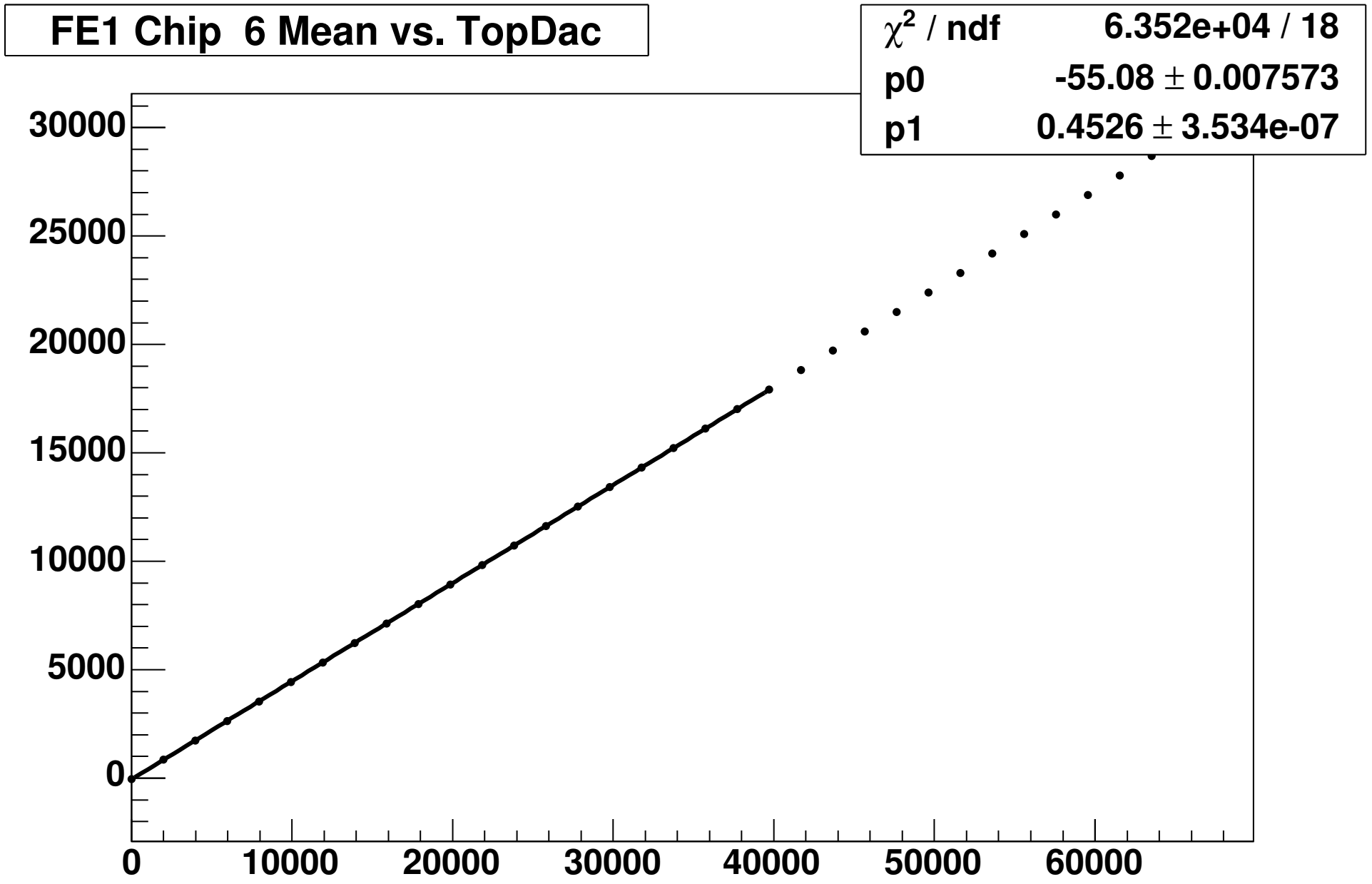

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 21.41 / 18
p0 1.495 ± 0.003847
p1 5.482e-06 ± 1.411e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 6.352e+04 / 18
p0 -55.08 ± 0.007573
p1 0.4526 ± 3.534e-07
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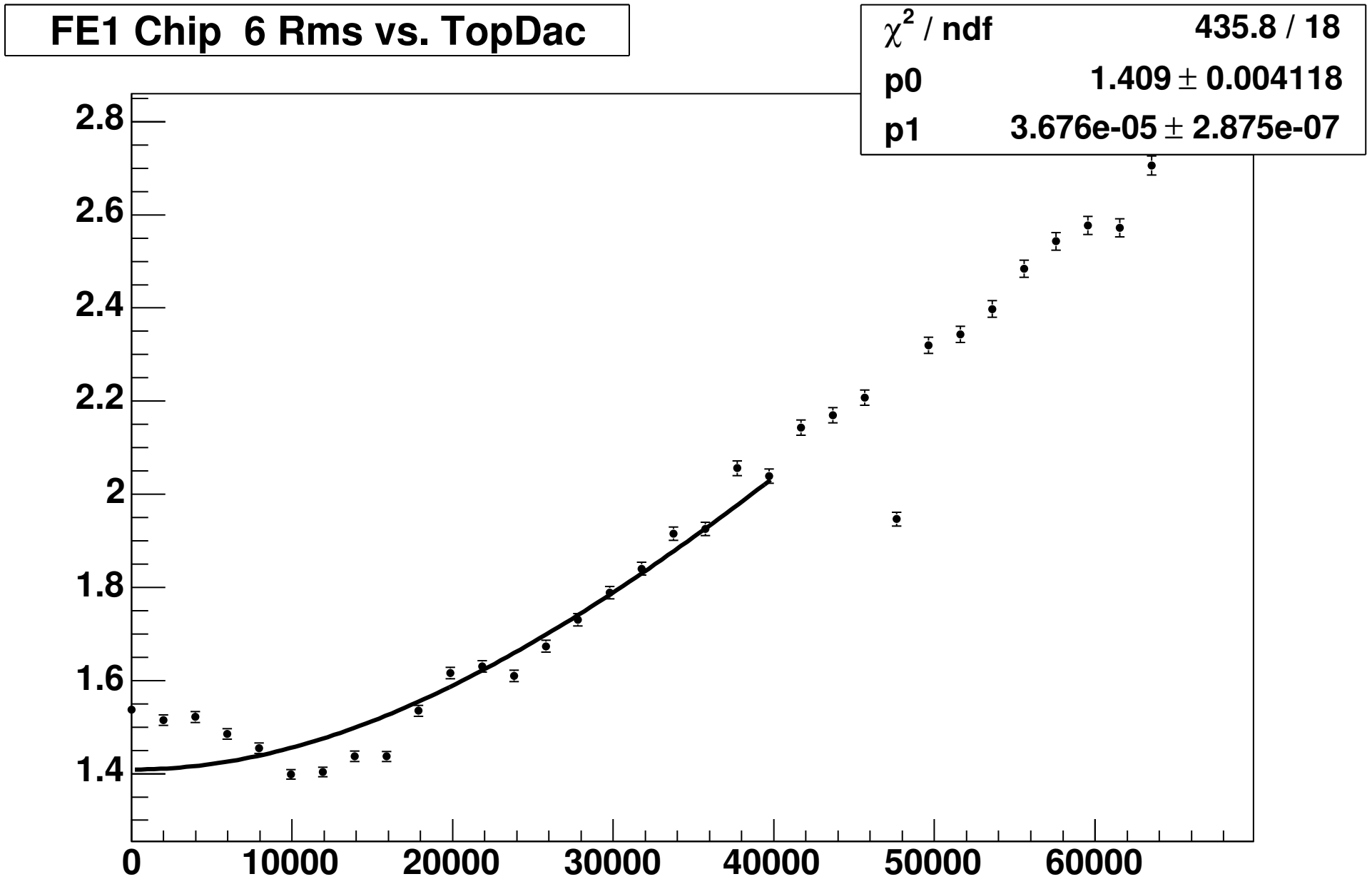
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 435.8 / 18
p0 1.409 ± 0.004118
p1 3.676e-05 ± 2.875e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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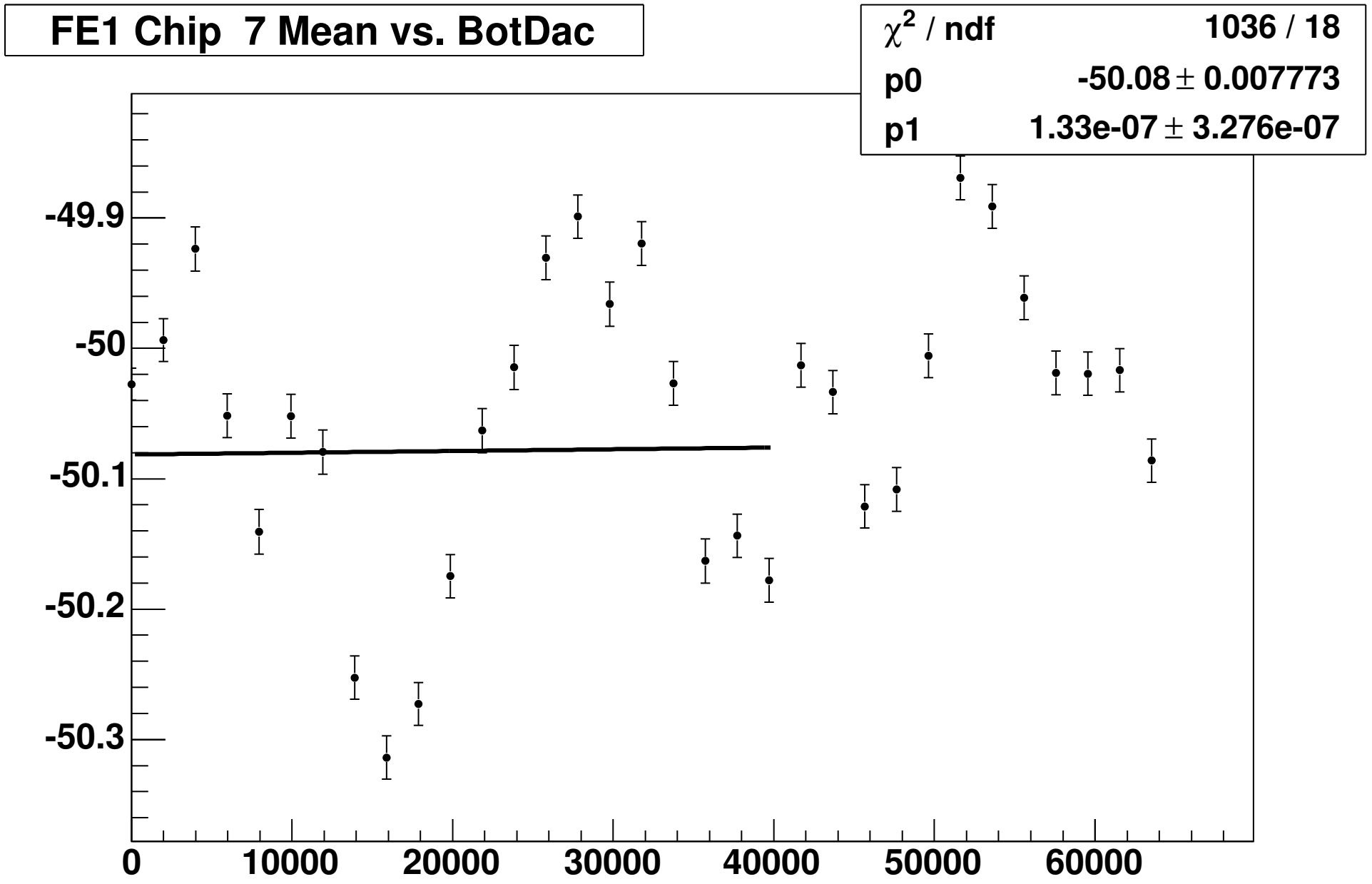
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1036 / 18
p0 -50.08 ± 0.007773
p1 1.33e-07 ± 3.276e-07
-49.9
-50
-50.1
-50.2
-50.3
0
10000
20000
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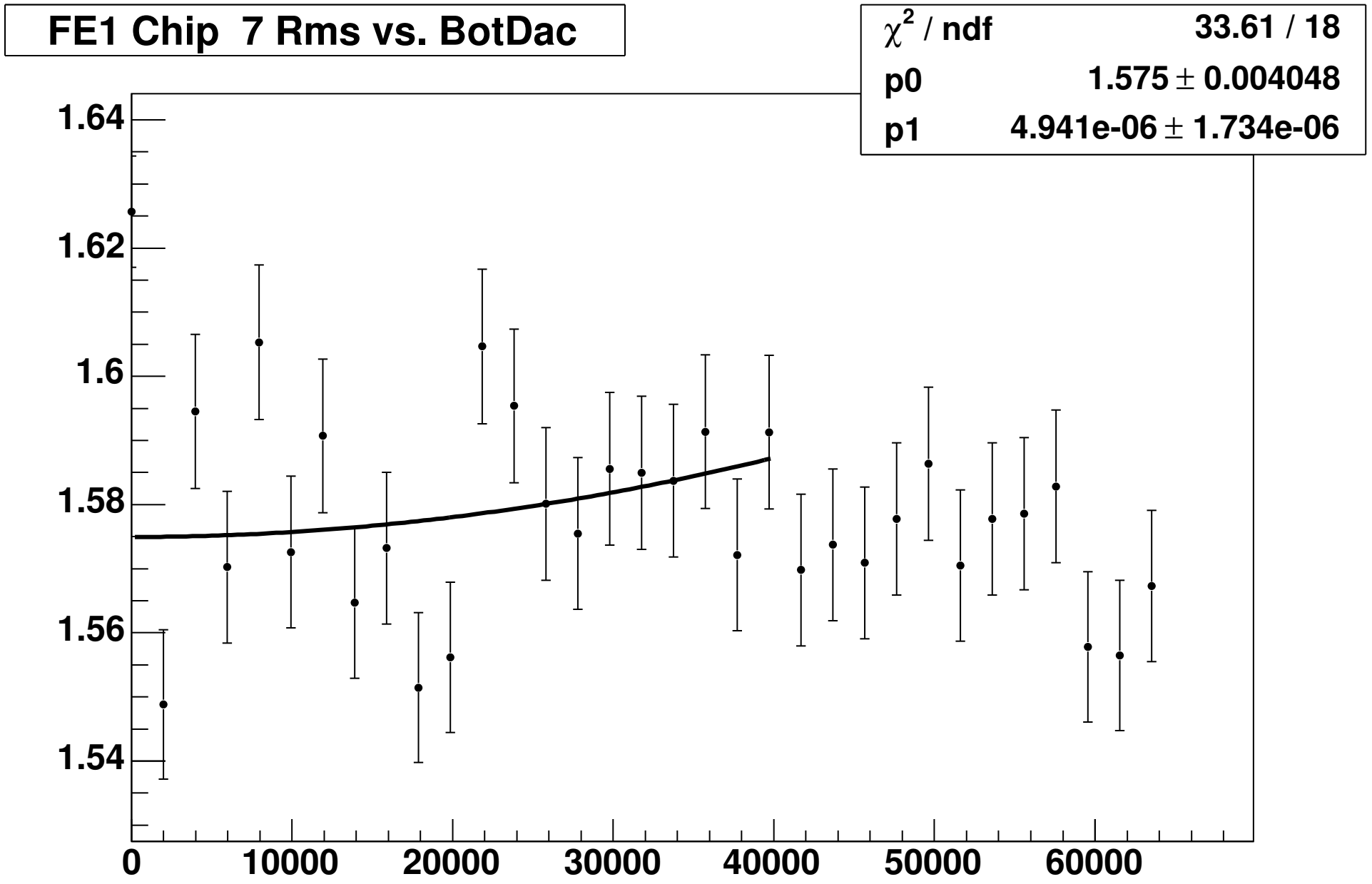
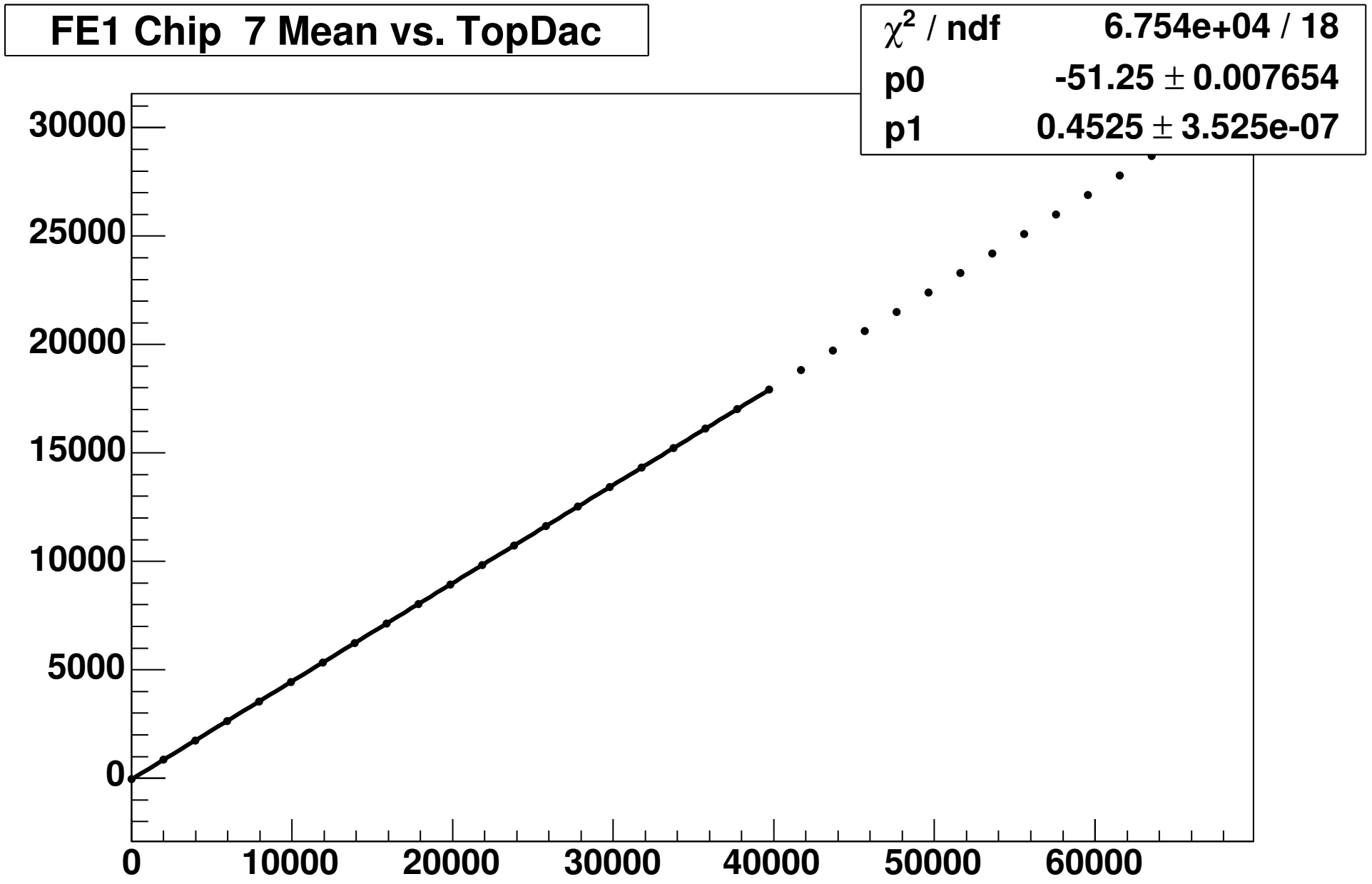
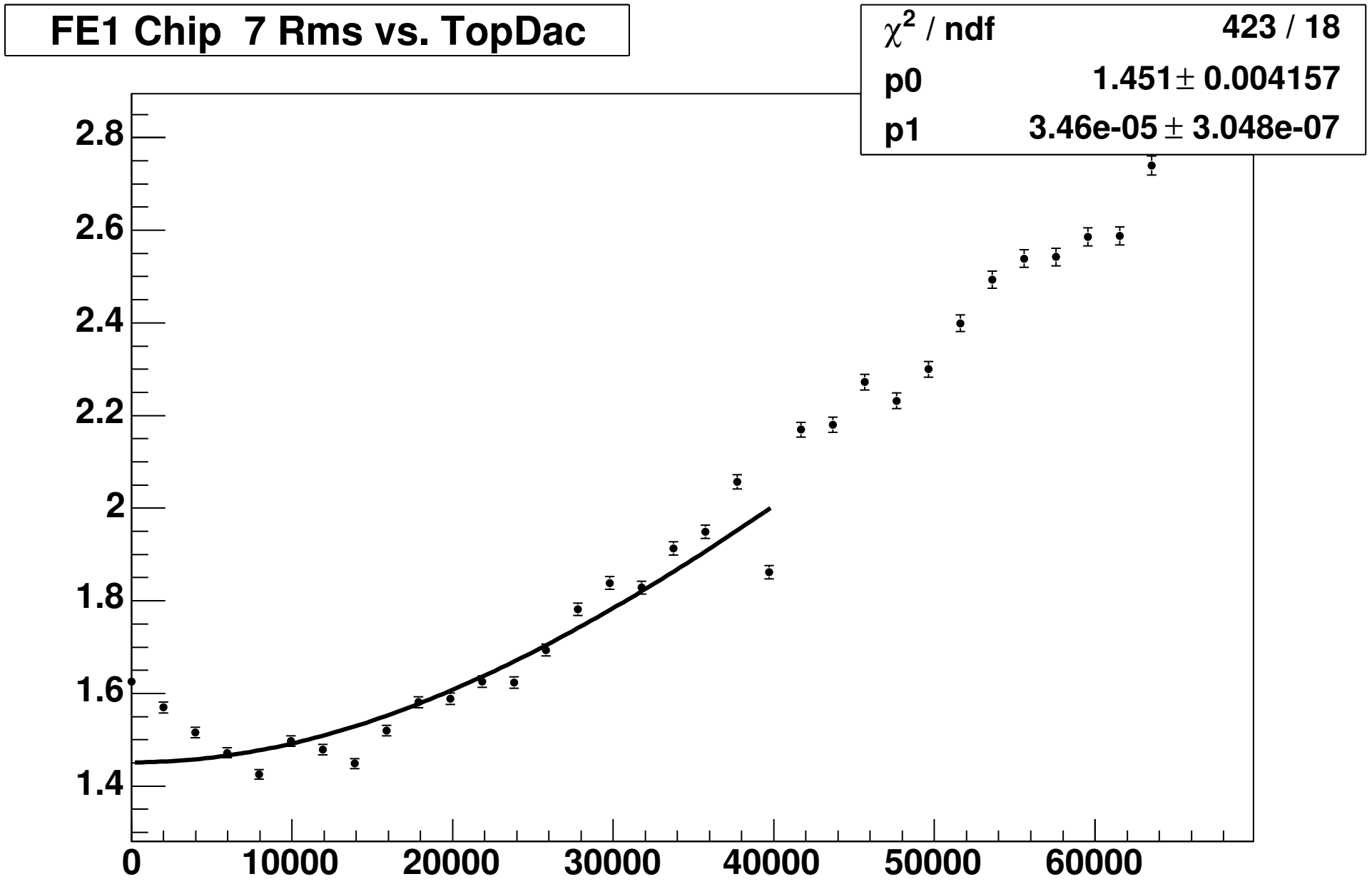
40000
50000
60000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 33.61 / 18
p0 1.575 ± 0.004048
p1 4.941e-06 ± 1.734e-06
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 6.754e+04 / 18
p0 -51.25 ± 0.007654
p1 0.4525 ± 3.525e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 423 / 18
p0 1.451 ± 0.004157
p1 3.46e-05 ± 3.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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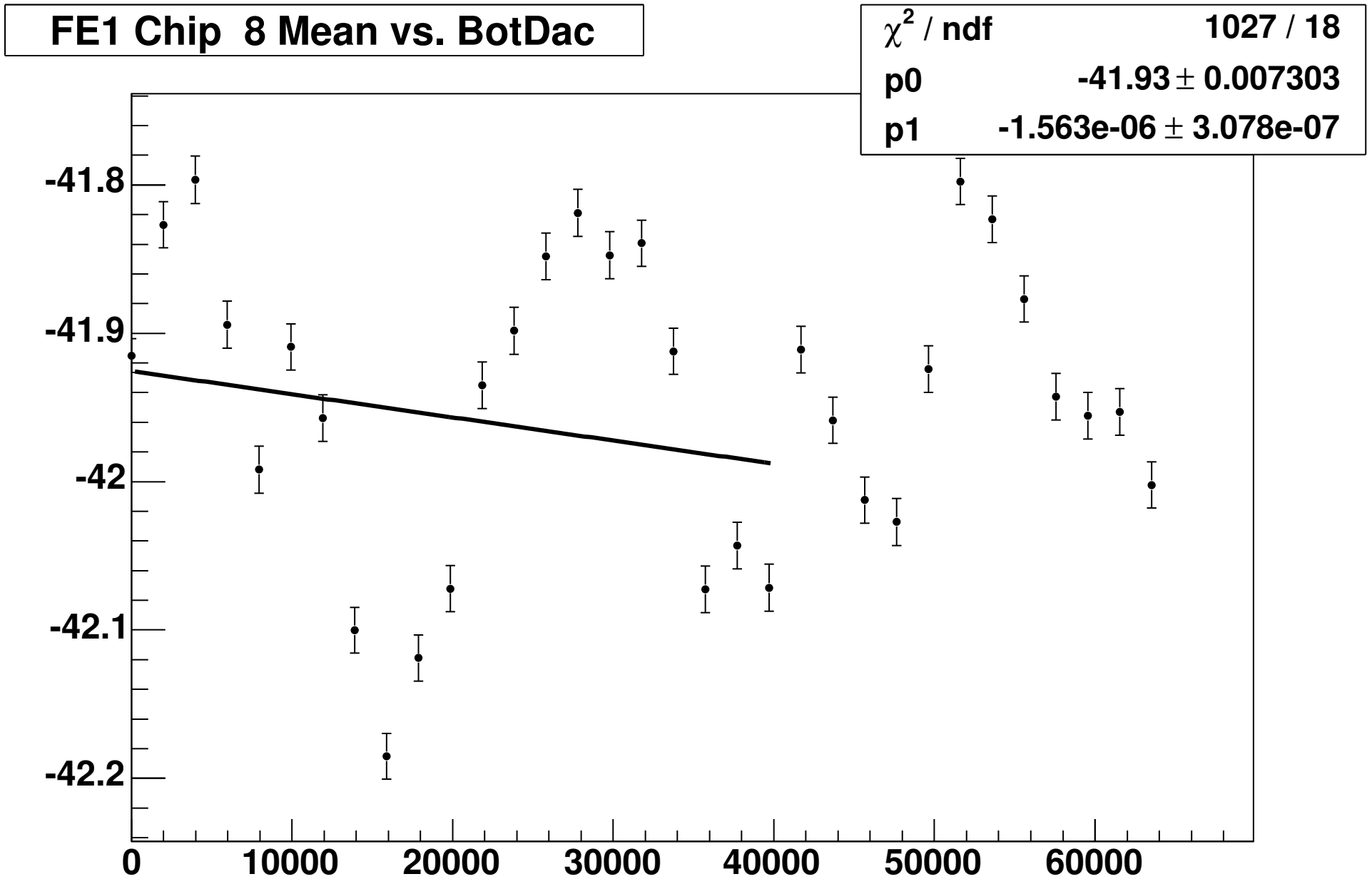
40000
50000
60000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1027 / 18
p0 -41.93 ± 0.007303
p1 -1.563e-06 ± 3.078e-07
-41.8
-41.9
-42
-42.1
-42.2
0
10000
20000
30000
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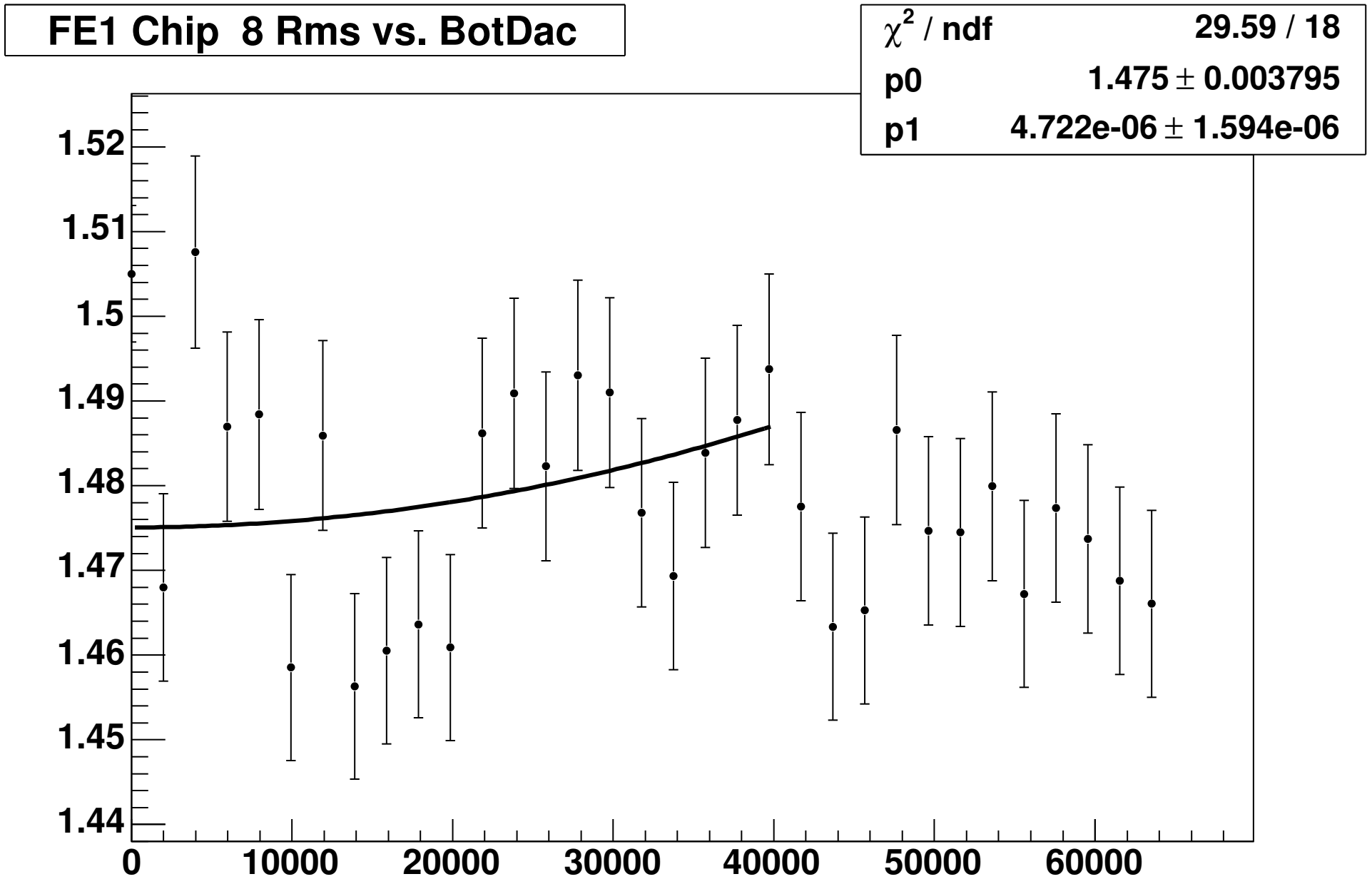
50000
60000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 29.59 / 18
p0 1.475 ± 0.003795
p1 4.722e-06 ± 1.594e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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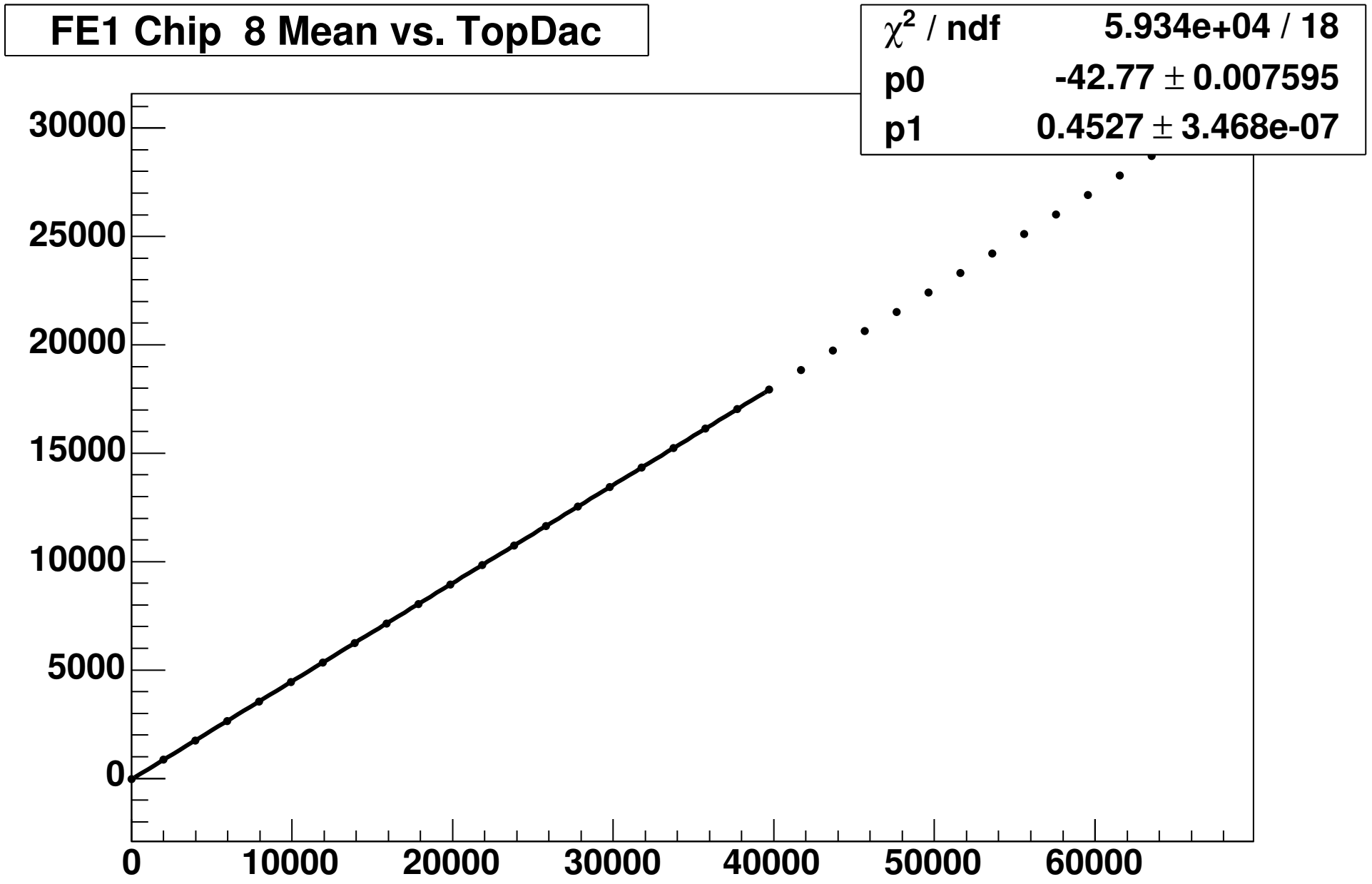
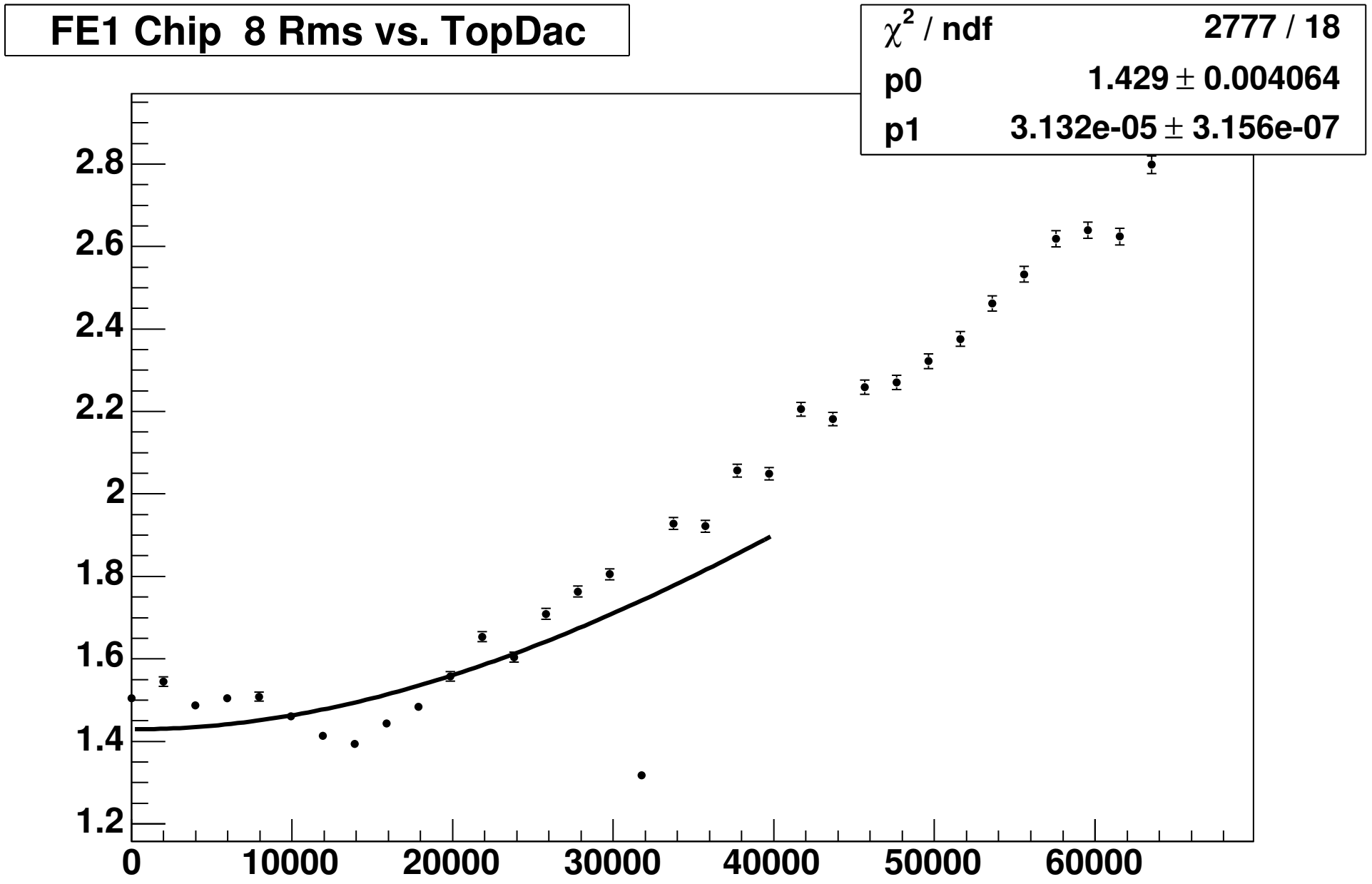

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 5.934e+04 / 18
p0 -42.77 ± 0.007595
p1 0.4527 ± 3.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 2777 / 18
p0 1.429 ± 0.004064
p1 3.132e-05 ± 3.156e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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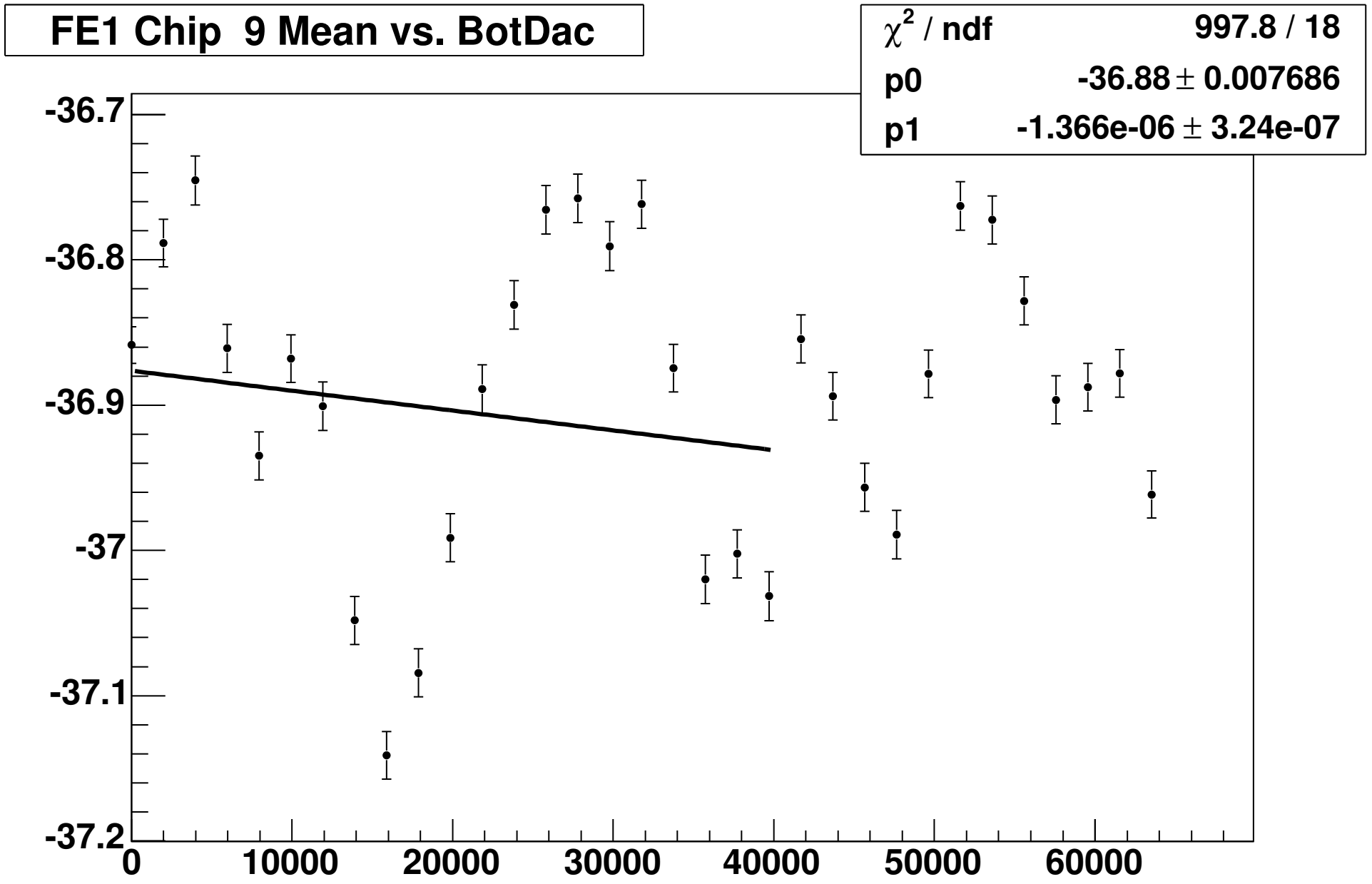
30000
40000
50000
60000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 997.8 / 18
p0 -36.88 ± 0.007686
p1 -1.366e-06 ± 3.24e-07
-36.7
-36.8
-36.9
-37
-37.1
-37.2
0
10000
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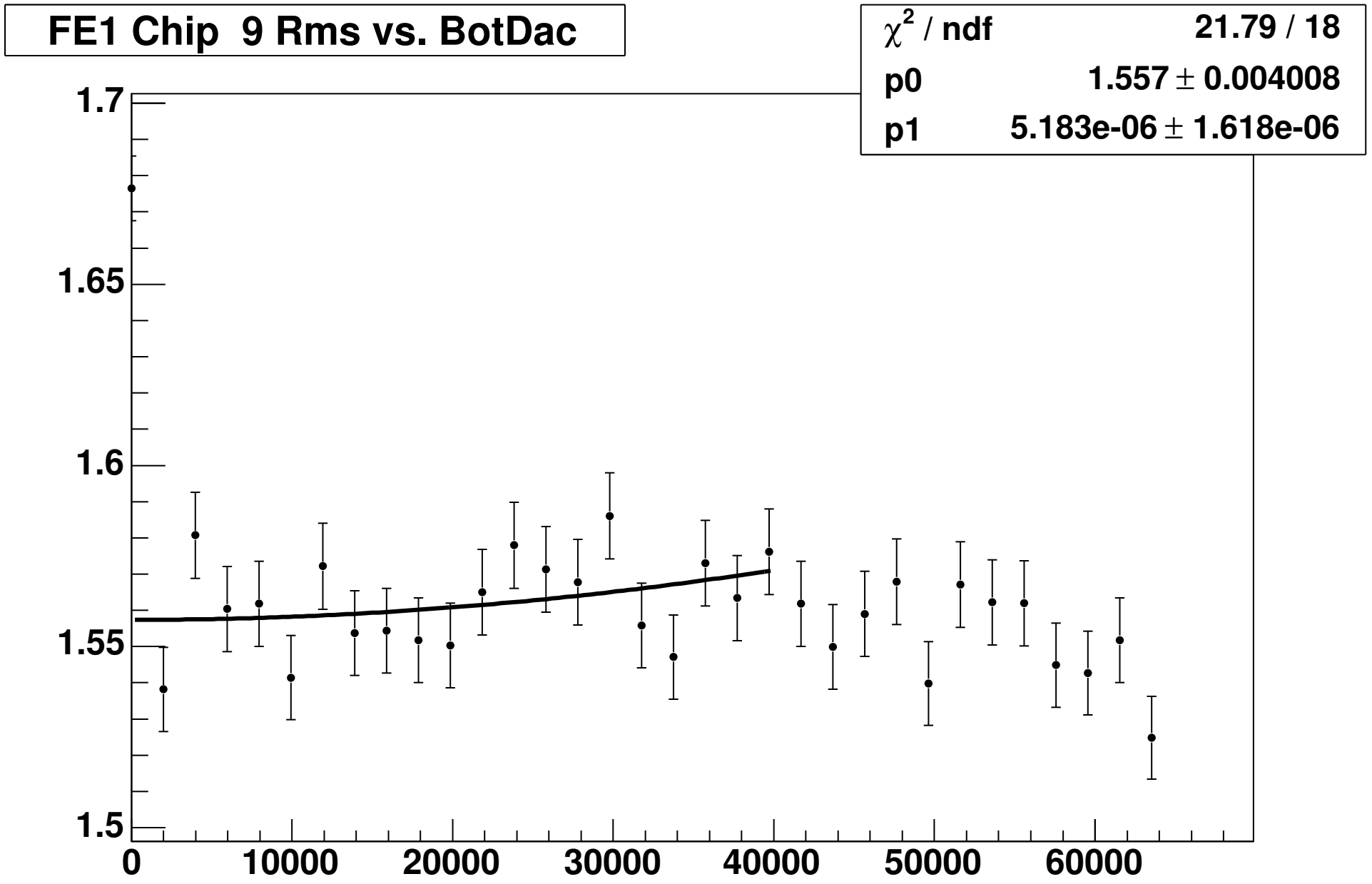
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 21.79 / 18
p0 1.557 ± 0.004008
p1 5.183e-06 ± 1.618e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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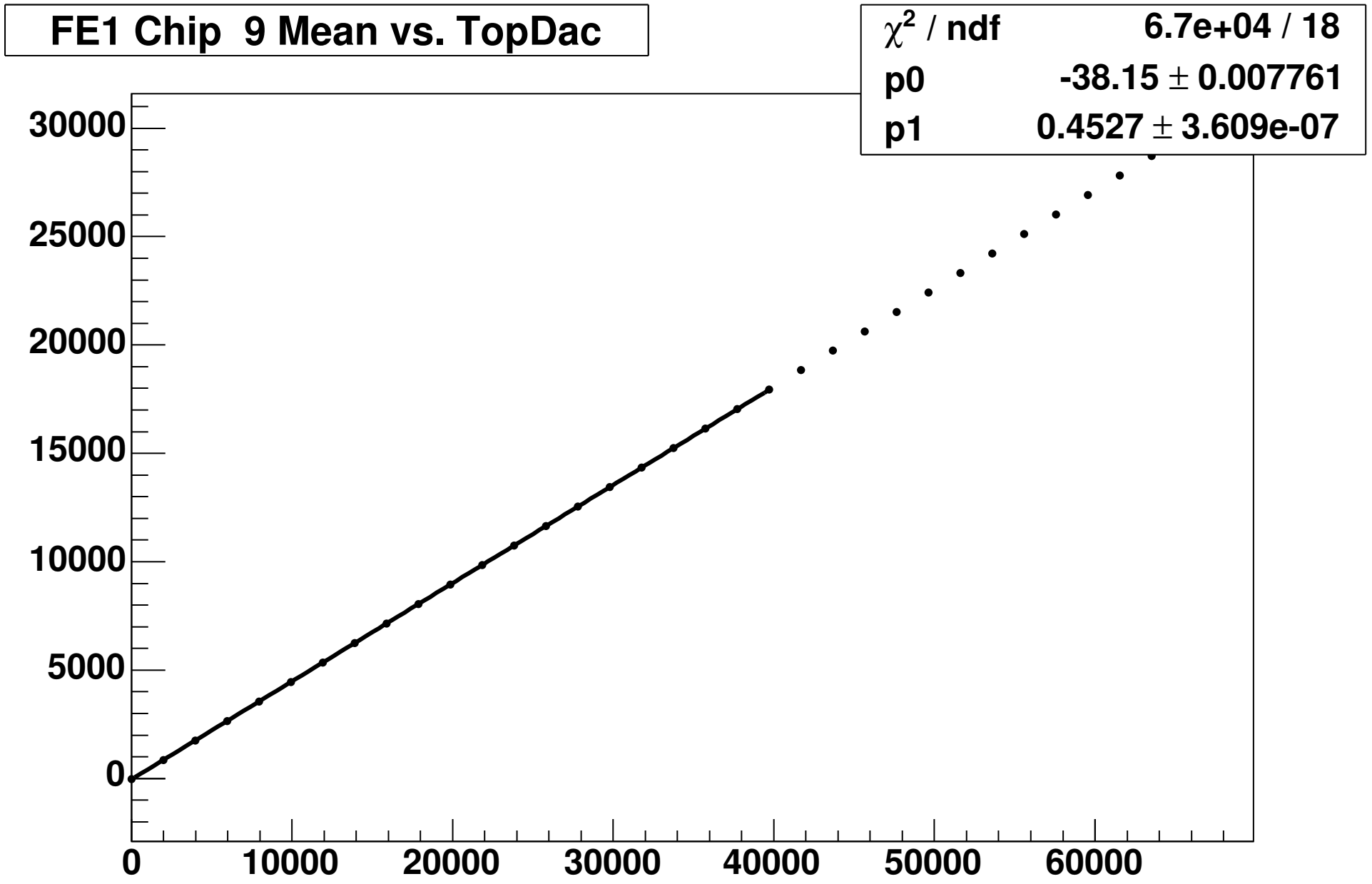
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 6.7e+04 / 18
p0 -38.15 ± 0.007761
p1 0.4527 ± 3.609e-07
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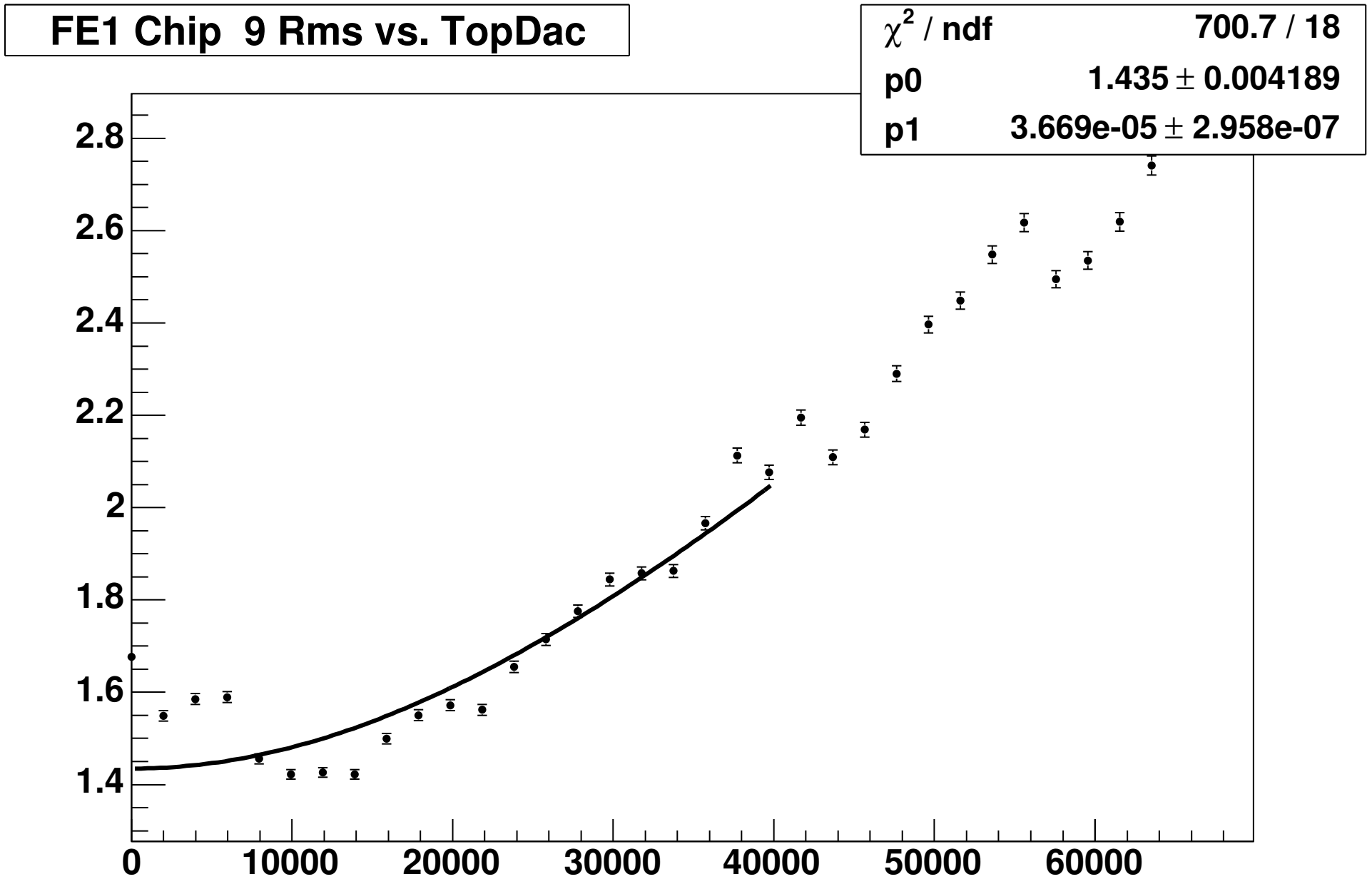
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 700.7 / 18
p0 1.435 ± 0.004189
p1 3.669e-05 ± 2.958e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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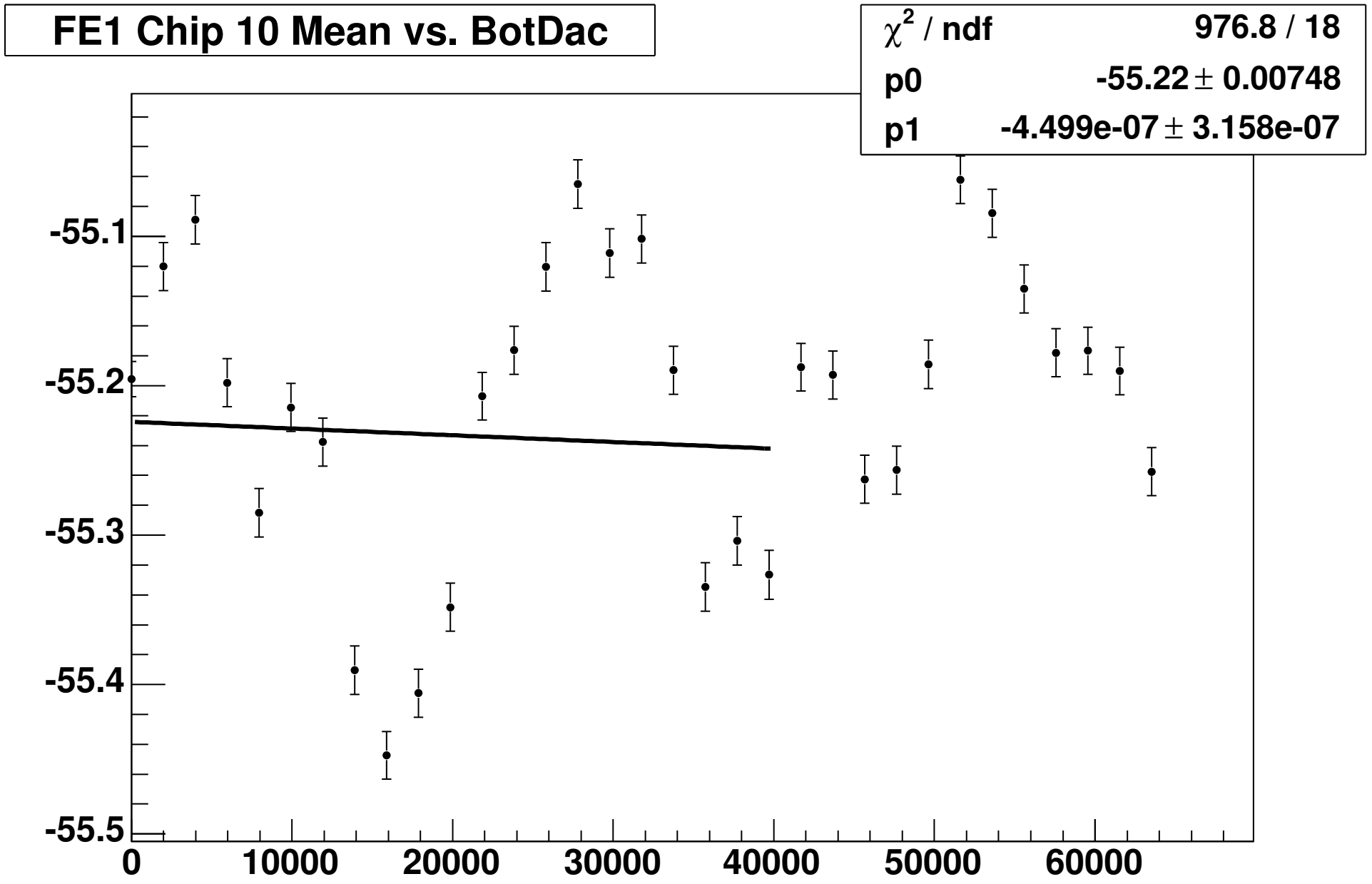
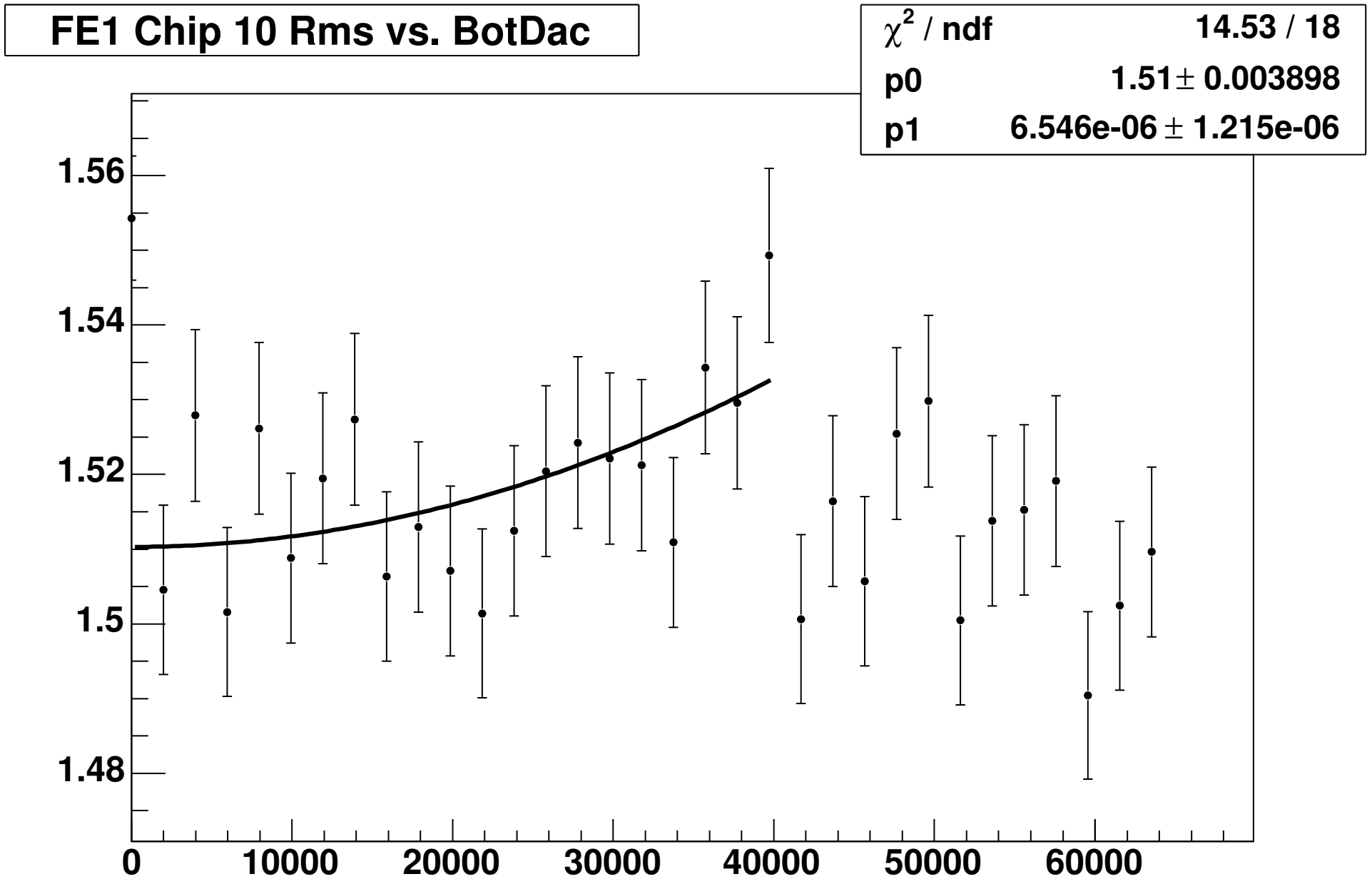
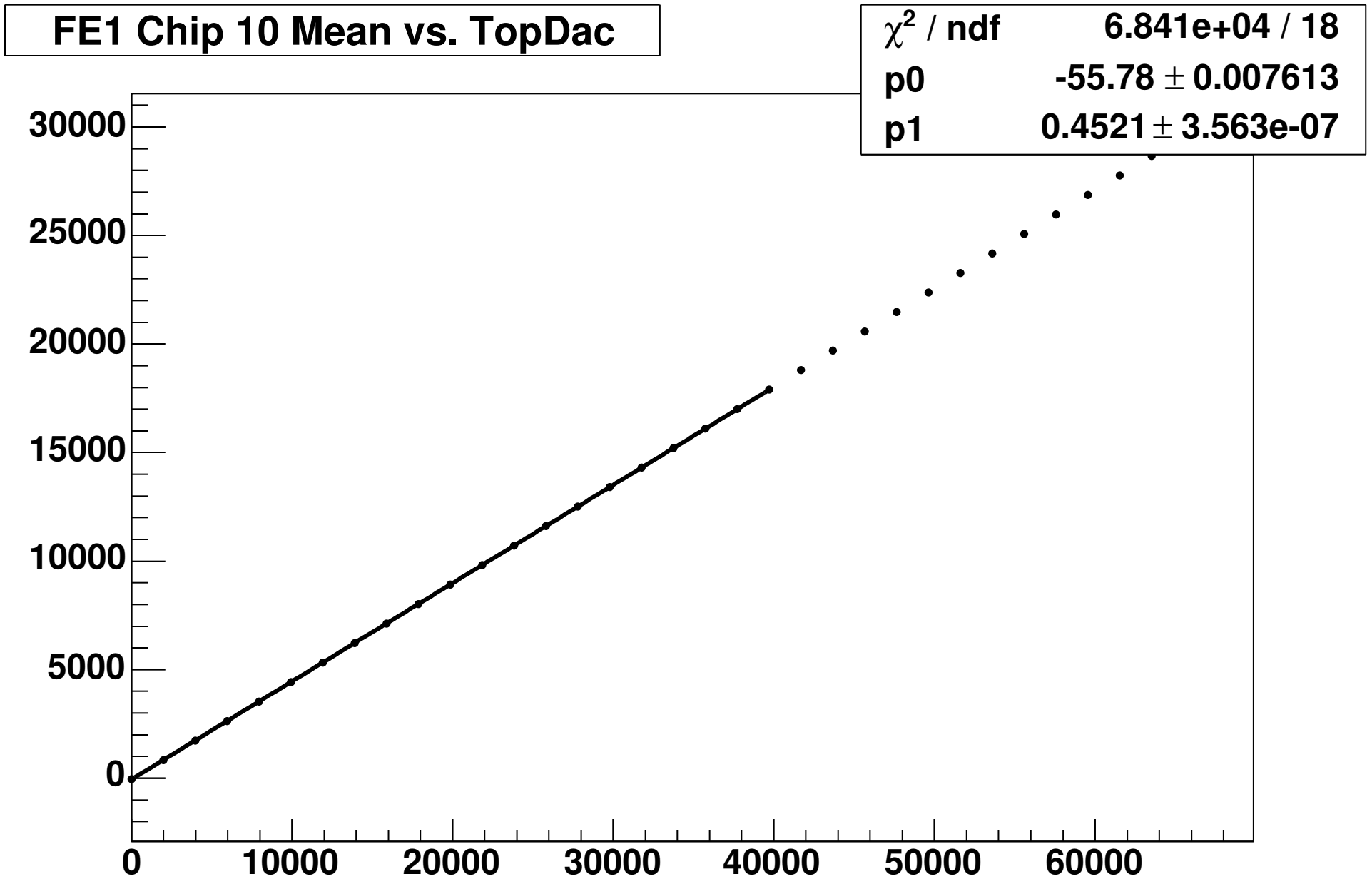
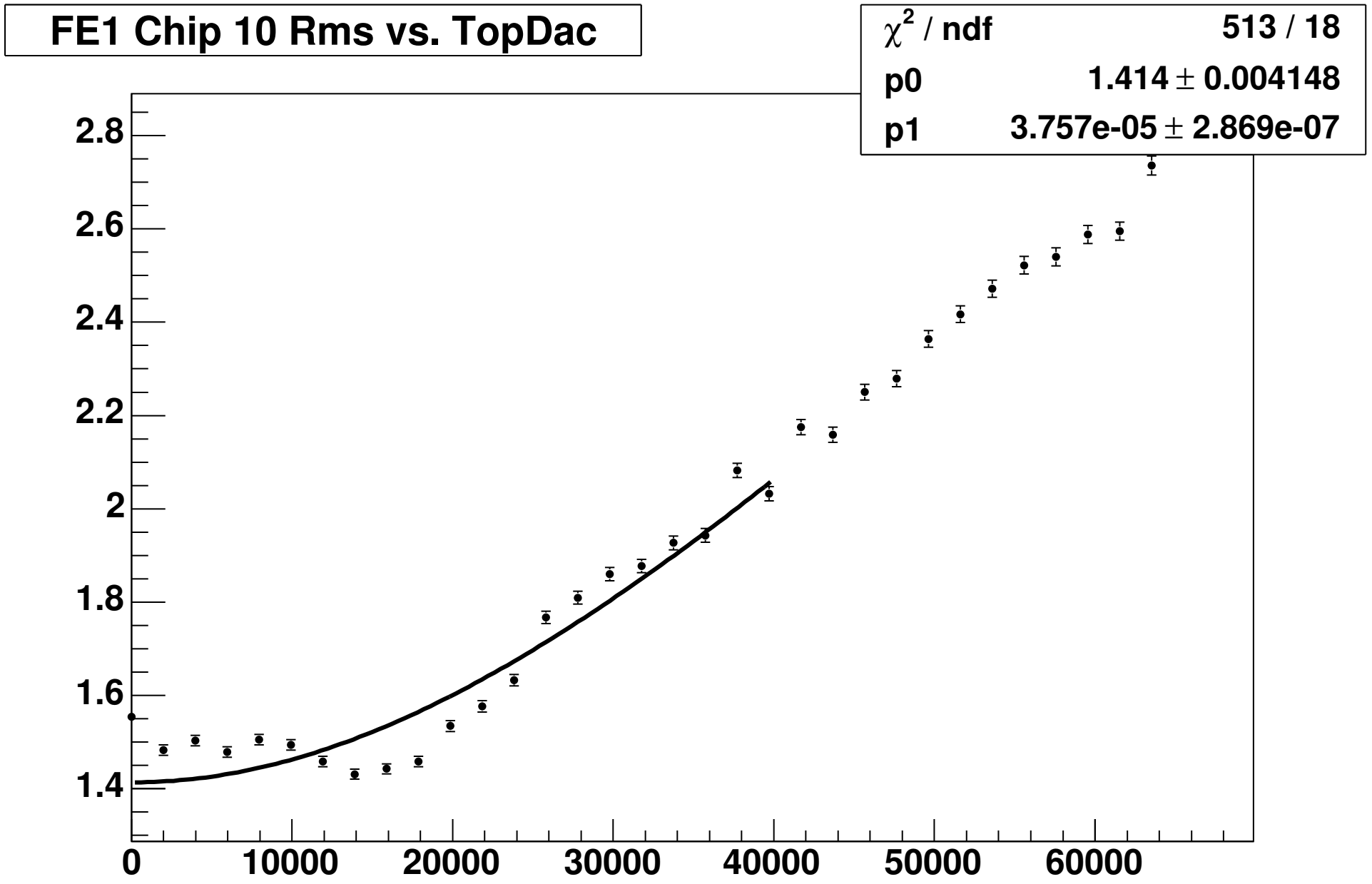
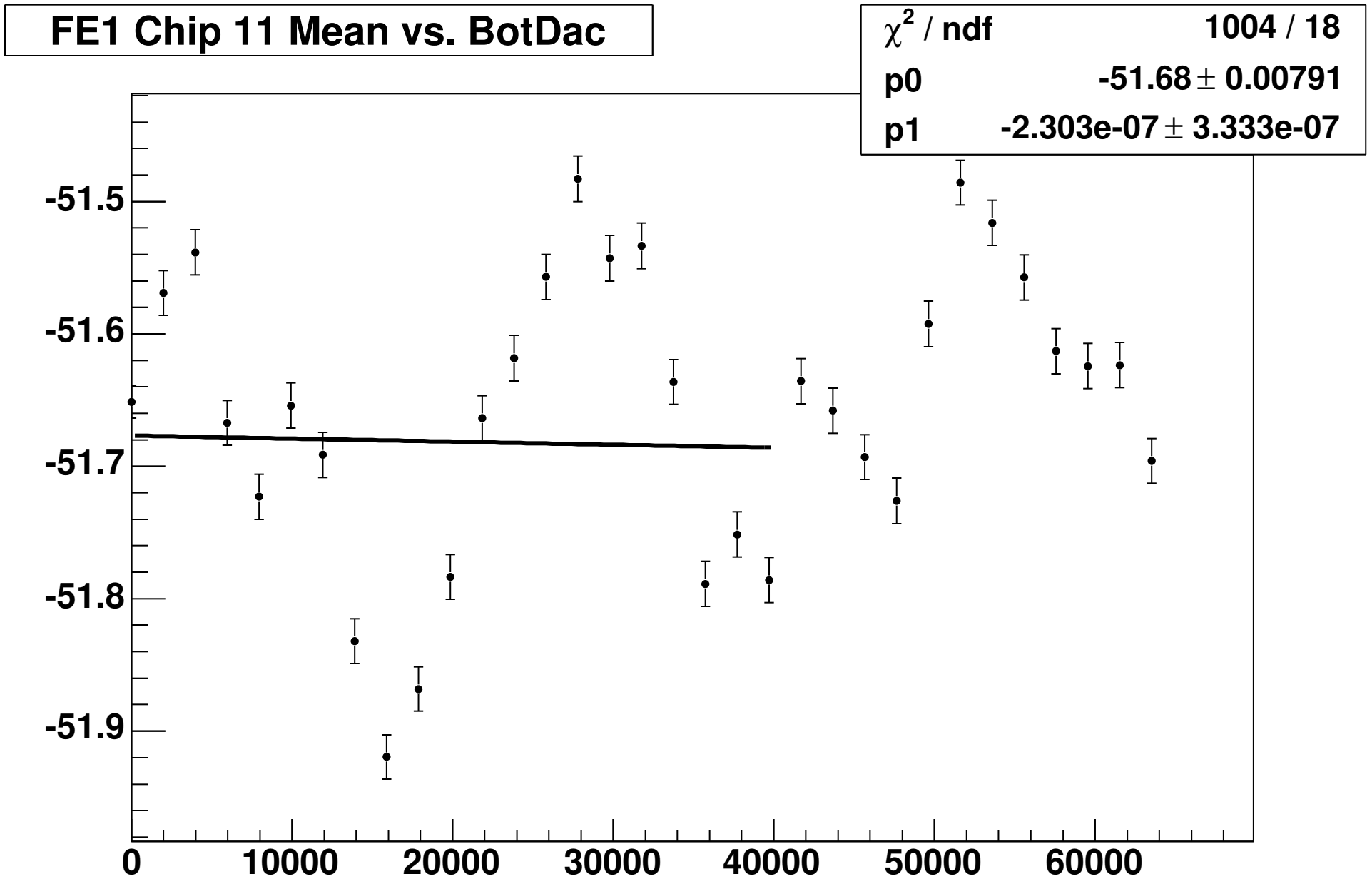
60000

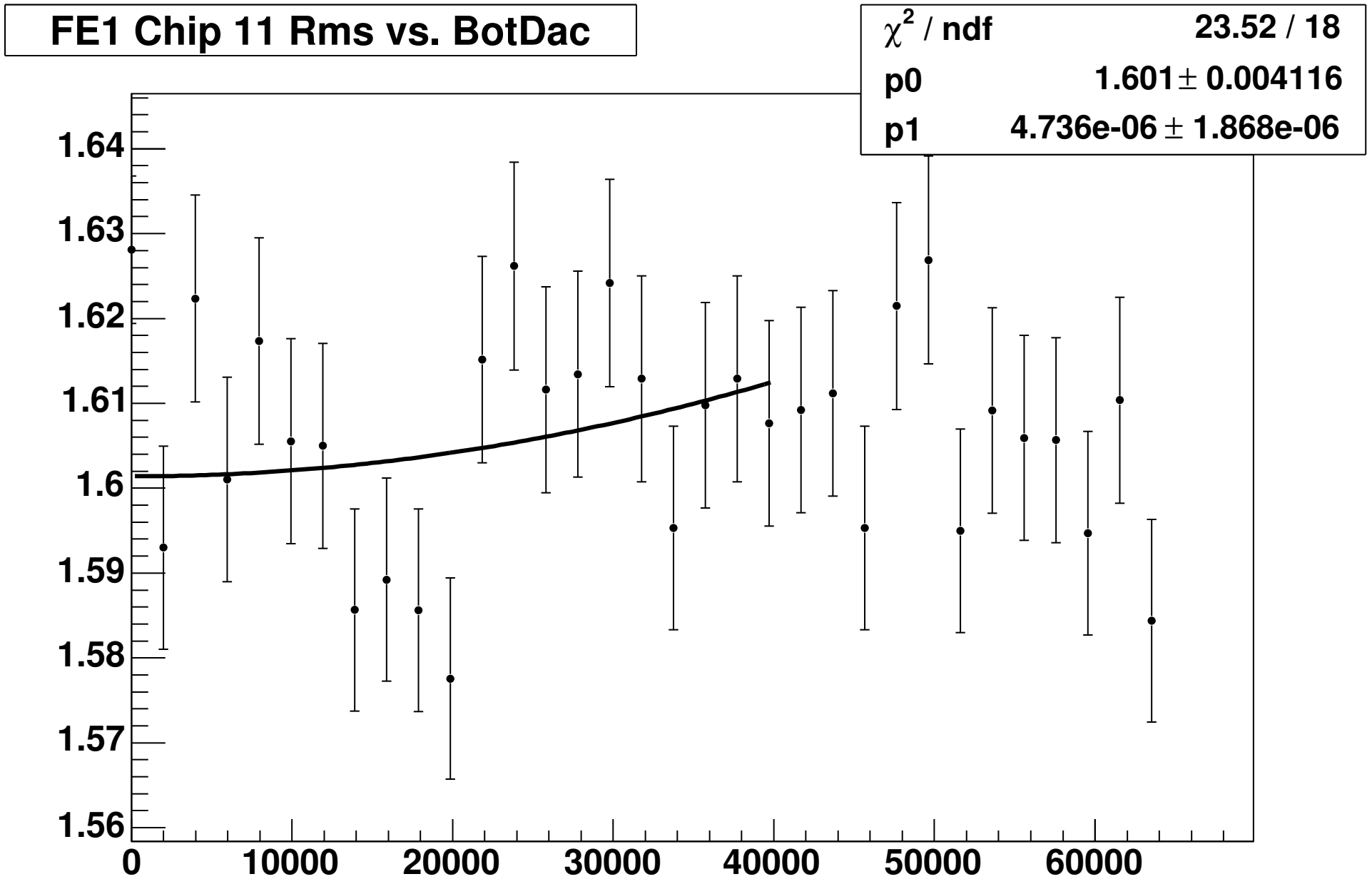

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 976.8 / 18
p0 -55.22 ± 0.00748
p1 -4.499e-07 ± 3.158e-07
-55.1
-55.2
-55.3
-55.4
-55.5
0
10000
20000
30000
40000
50000
60000

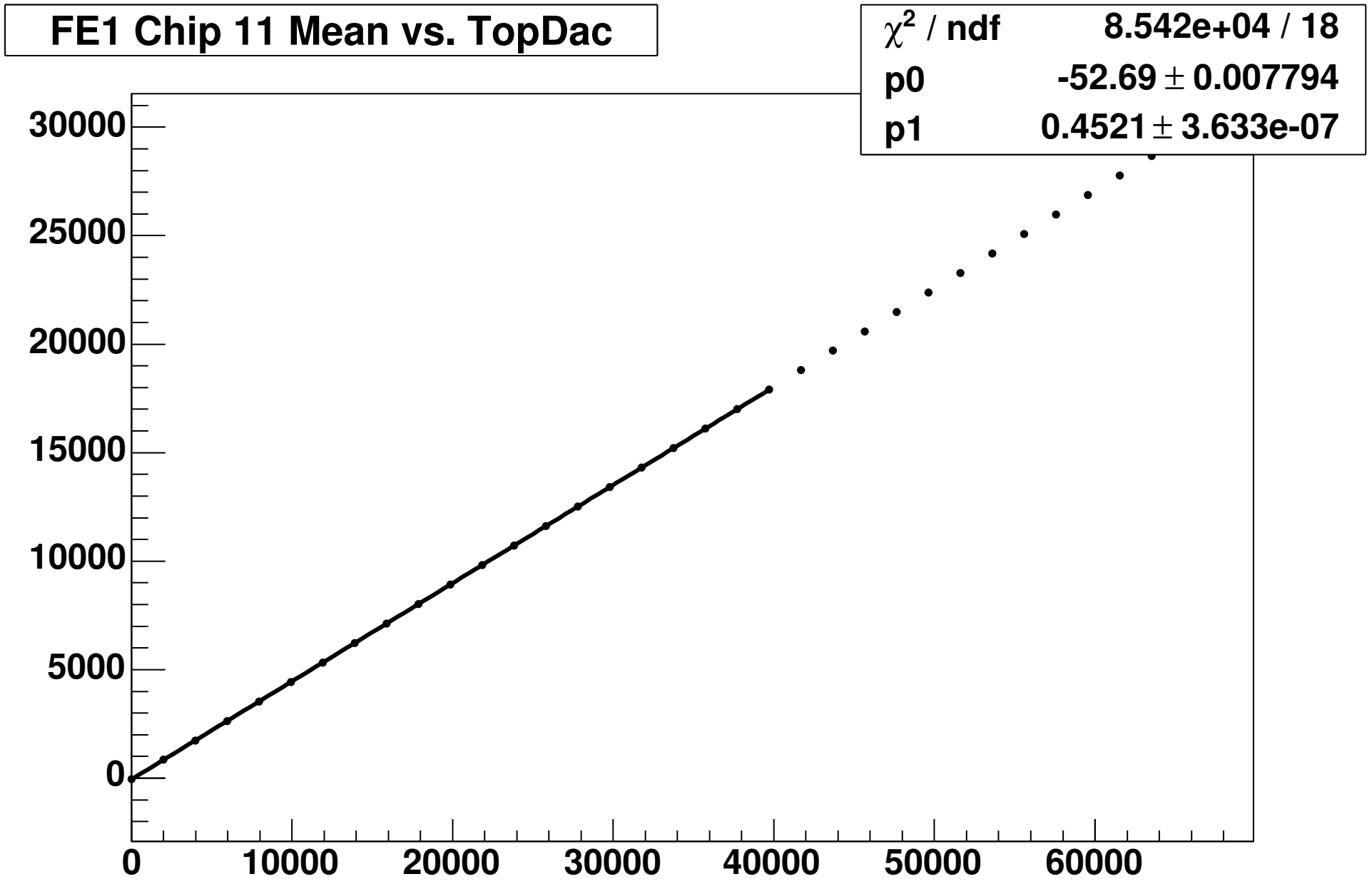

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 14.53 / 18
p0 1.51 ± 0.003898
p1 6.546e-06 ± 1.215e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

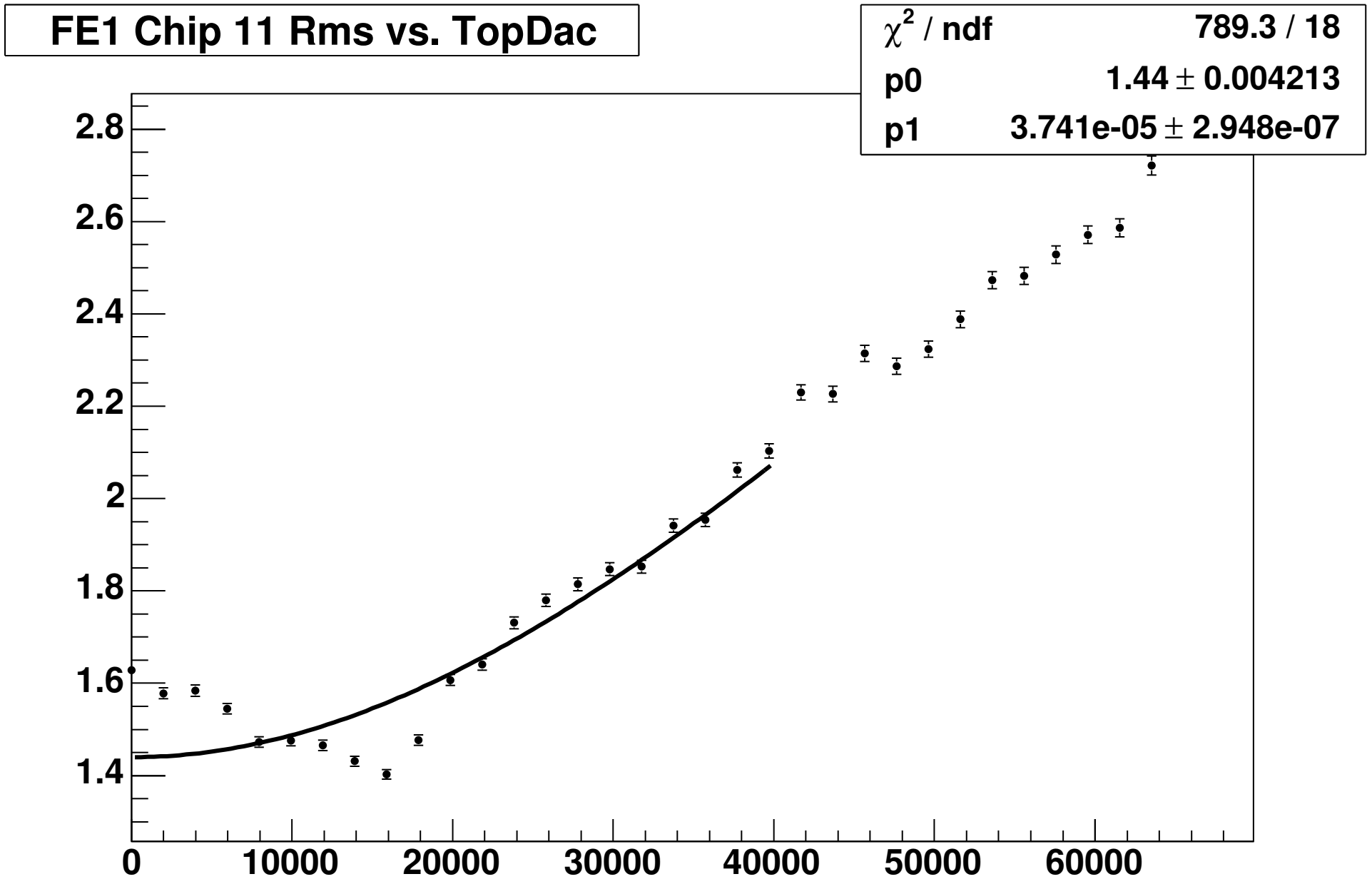

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 6.841e+04 / 18
p0 -55.78 ± 0.007613
p1 0.4521 ± 3.563e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

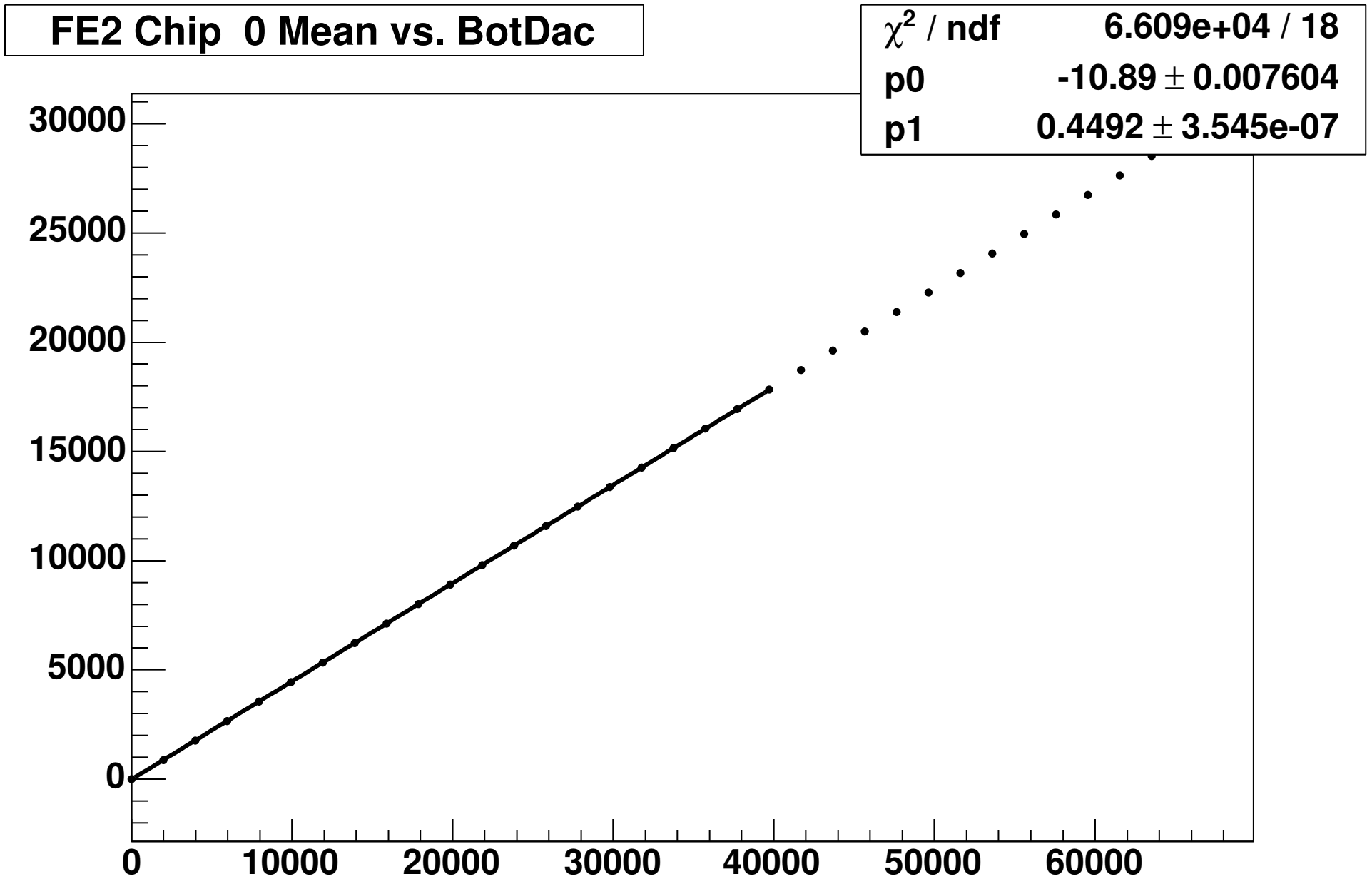

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 513 / 18
p0 1.414 ± 0.004148
p1 3.757e-05 ± 2.869e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

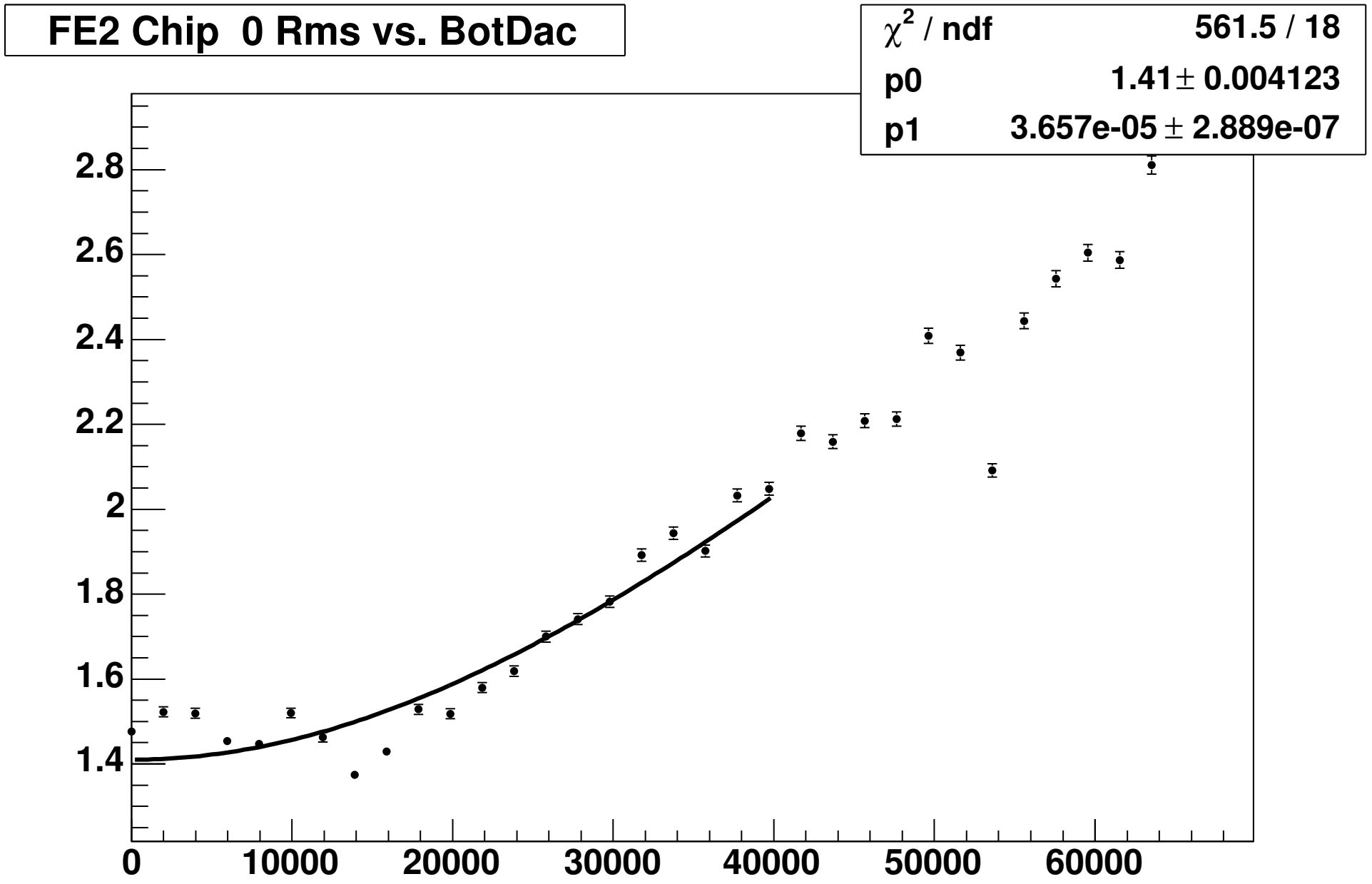

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1004 / 18
p0 -51.68 ± 0.00791
p1 -2.303e-07 ± 3.333e-07
-51.5
-51.6
-51.7
-51.8
-51.9
0
10000
20000
30000
40000
50000
60000

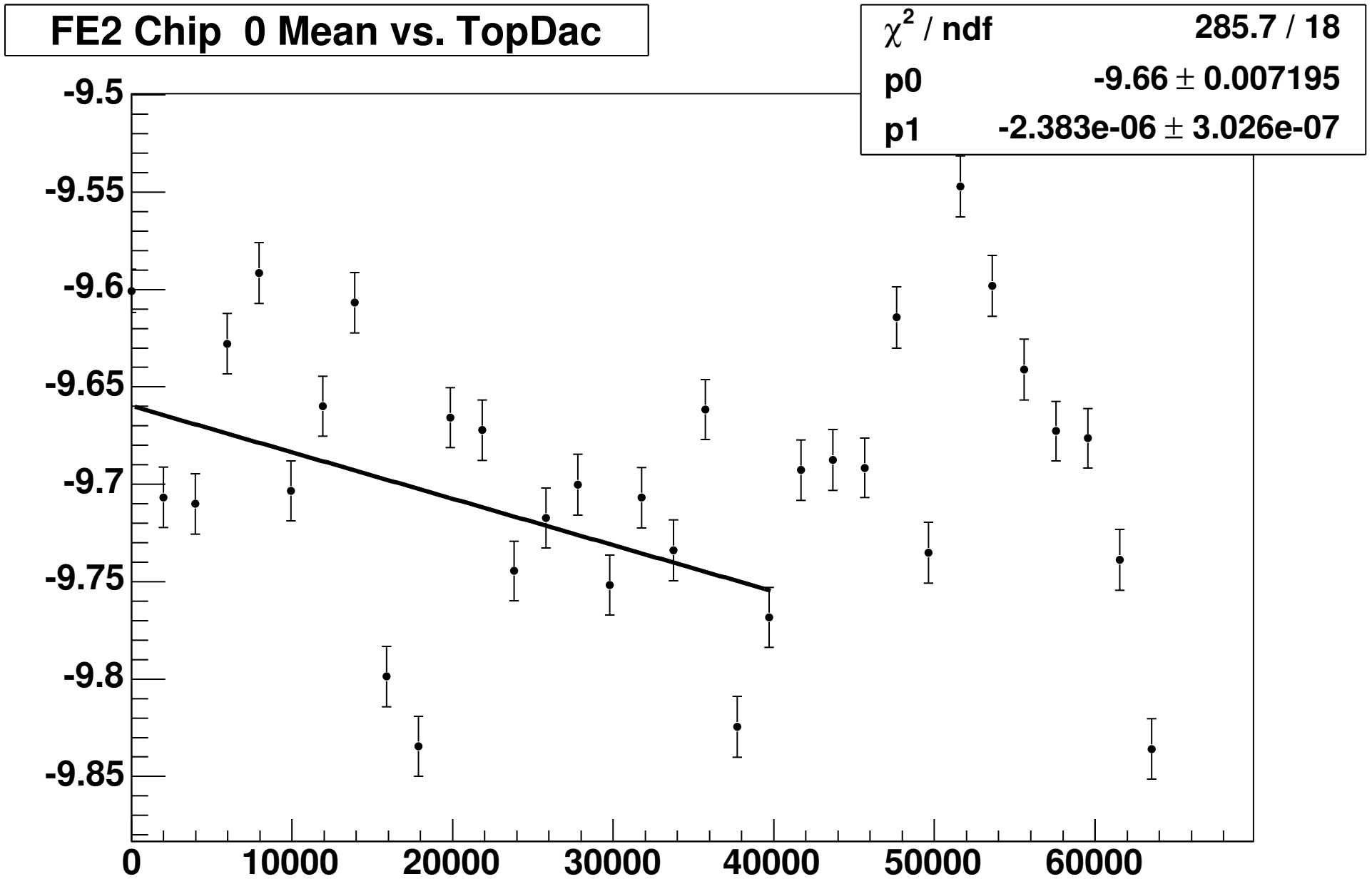

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 23.52 / 18
p0 1.601 ± 0.004116
p1 4.736e-06 ± 1.868e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 8.542e+04 / 18
p0 -52.69 ± 0.007794
p1 0.4521 ± 3.633e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 789.3 / 18
p0 1.44 ± 0.004213
p1 3.741e-05 ± 2.948e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 6.609e+04 / 18
p0 -10.89 ± 0.007604
p1 0.4492 ± 3.545e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 561.5 / 18
p0 1.41 ± 0.004123
p1 3.657e-05 ± 2.889e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 285.7 / 18
p0 -9.66 ± 0.007195
p1 -2.383e-06 ± 3.026e-07
-9.5
-9.55
-9.6
-9.65
-9.7
-9.75
-9.8
-9.85
0
10000
20000
30000
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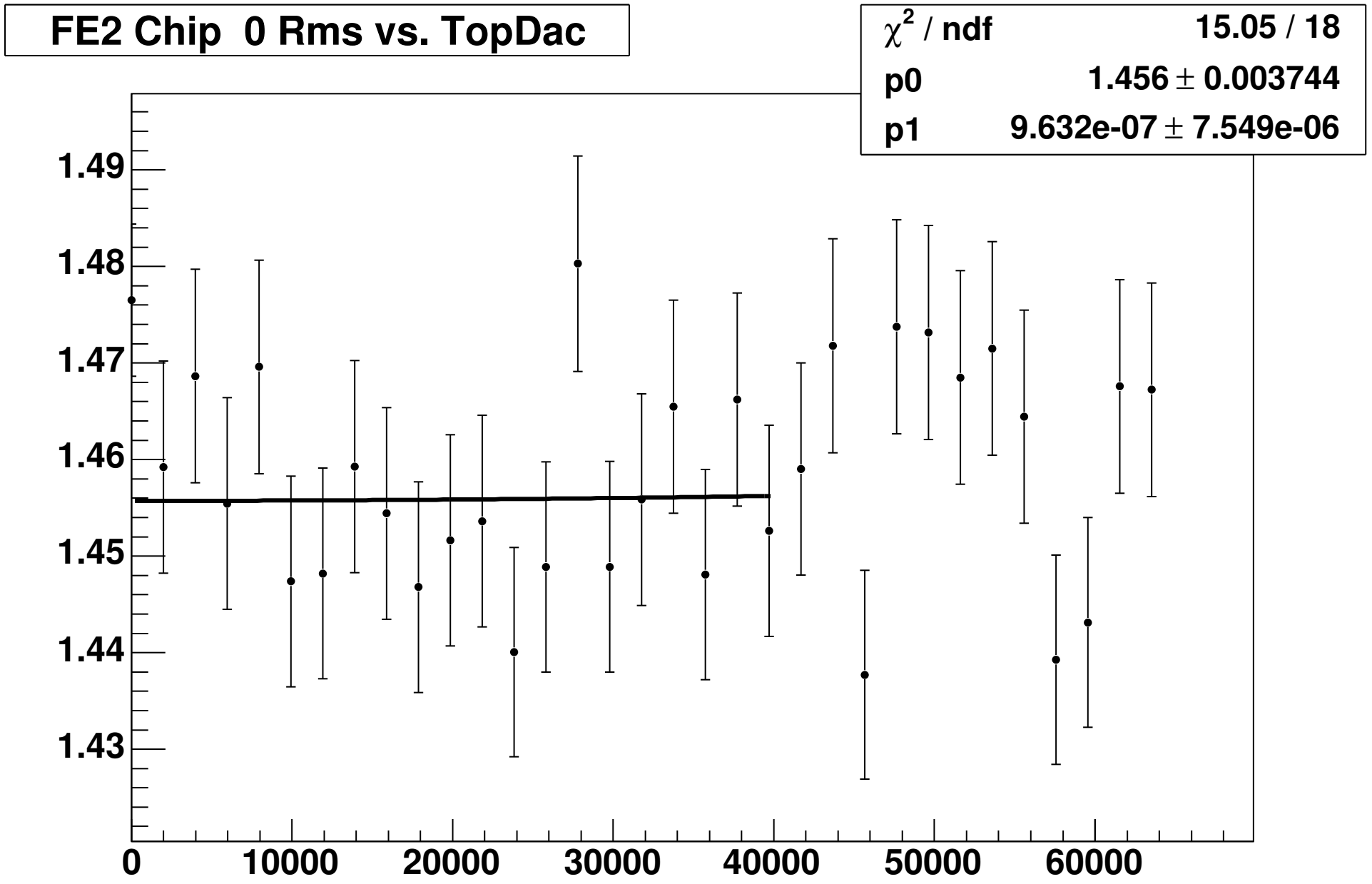
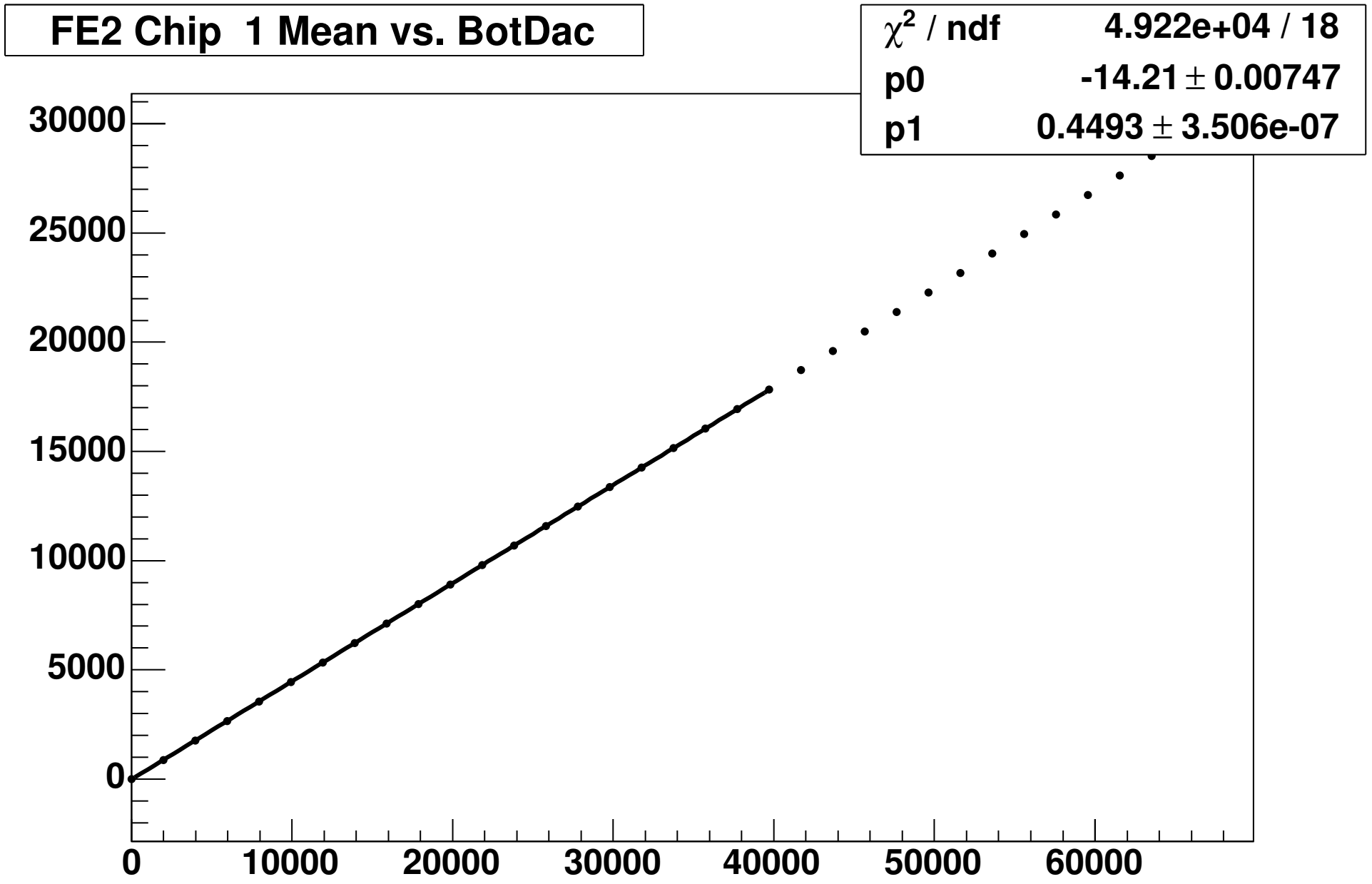
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 15.05 / 18
p0 1.456 ± 0.003744
p1 9.632e-07 ± 7.549e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 4.922e+04 / 18
p0 -14.21 ± 0.00747
p1 0.4493 ± 3.506e-07
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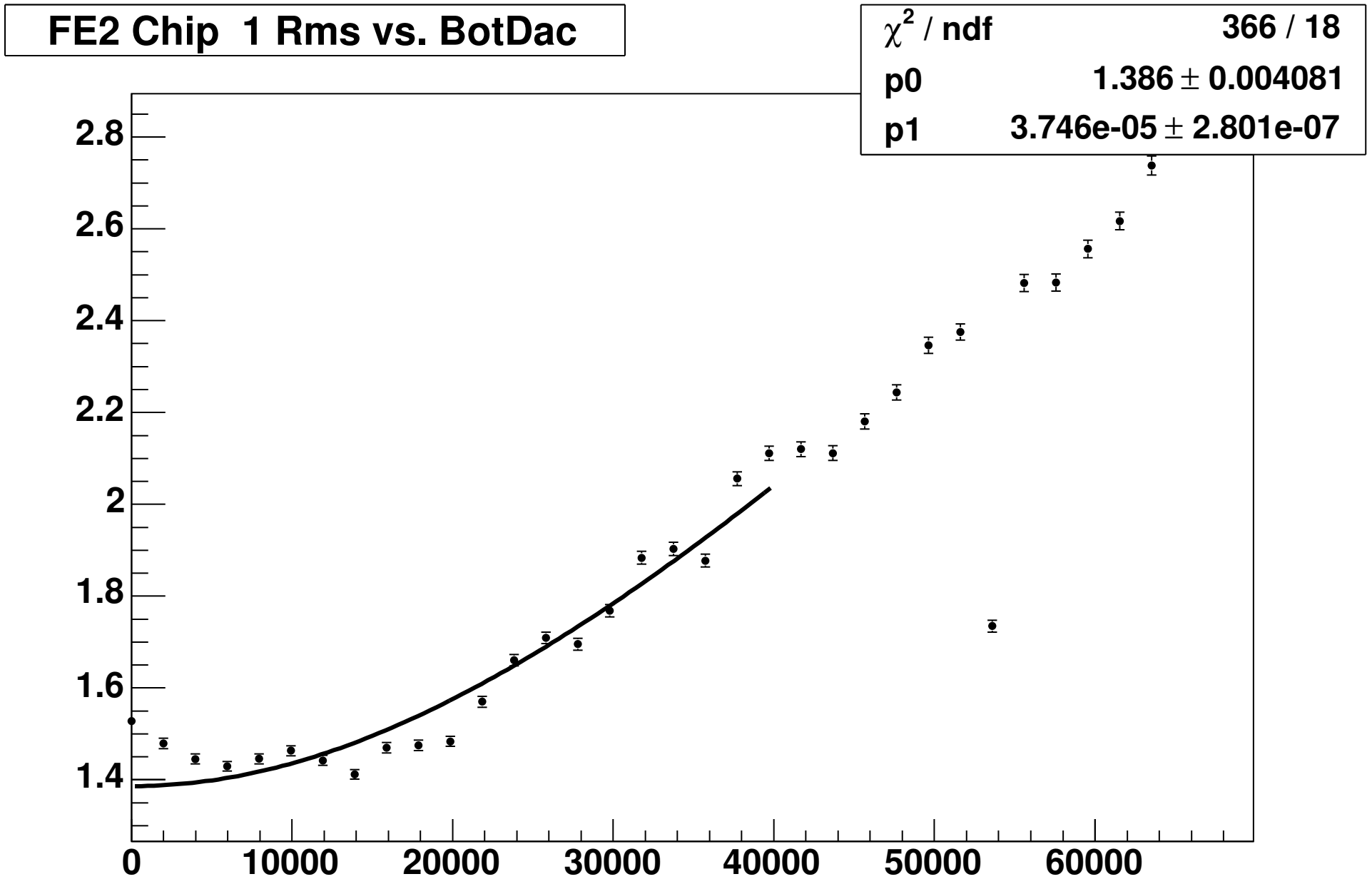
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 366 / 18
p0 1.386 ± 0.004081
p1 3.746e-05 ± 2.801e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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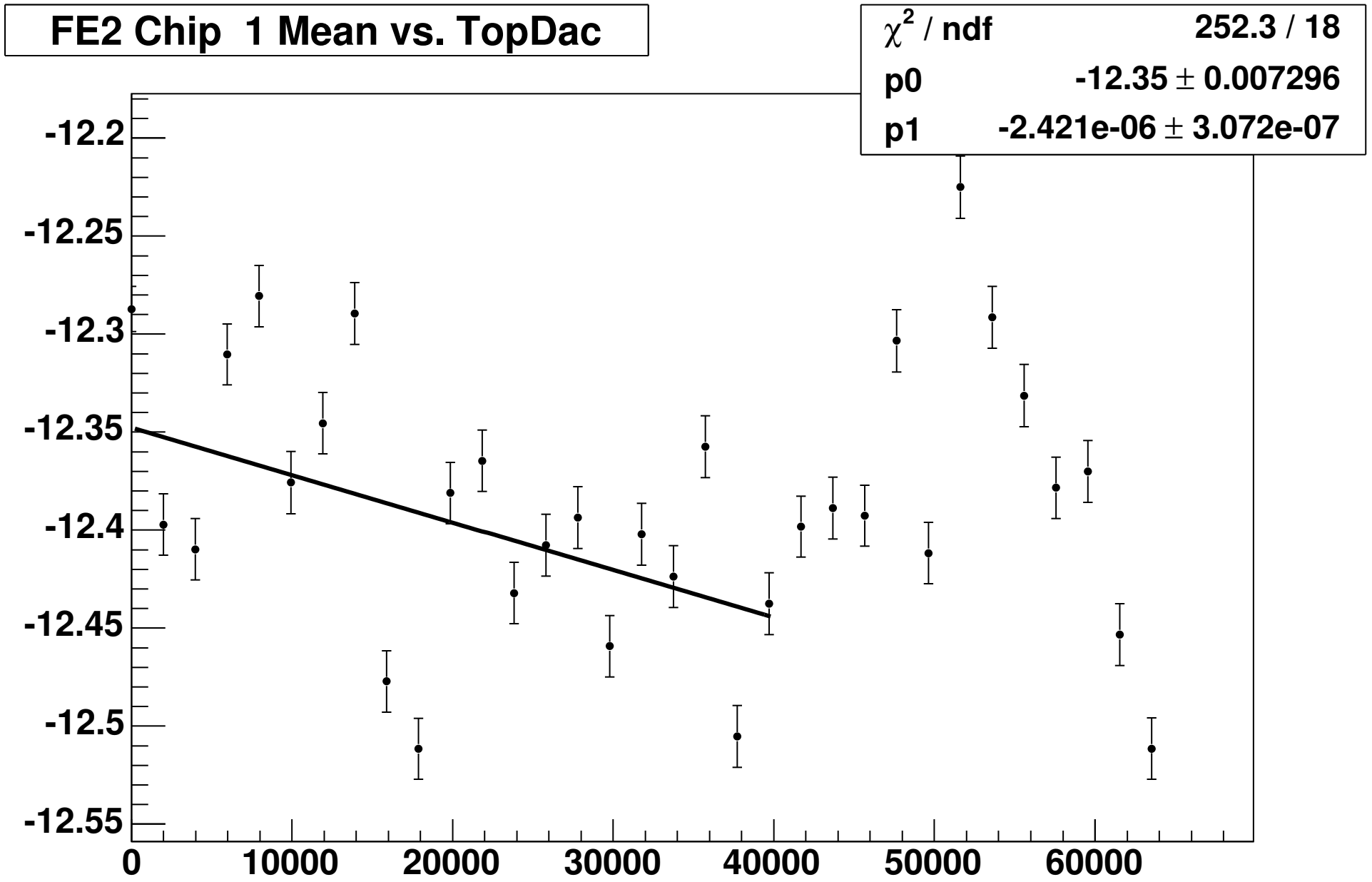
30000
40000
50000
60000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 252.3 / 18
p0 -12.35 ± 0.007296
p1 -2.421e-06 ± 3.072e-07
-12.2
-12.25
-12.3
-12.35
-12.4
-12.45
-12.5
-12.55
0
10000
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30000
40000
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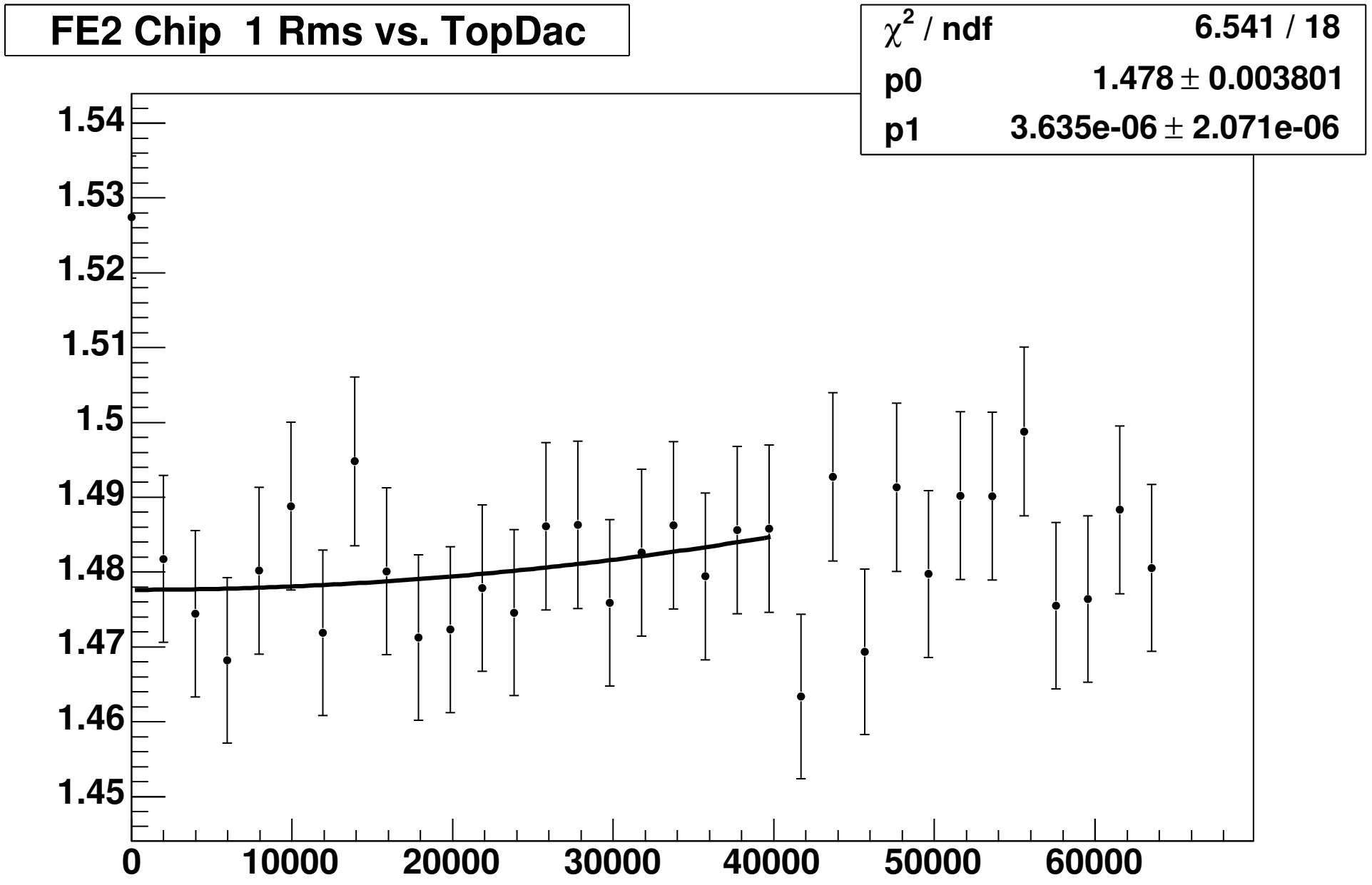
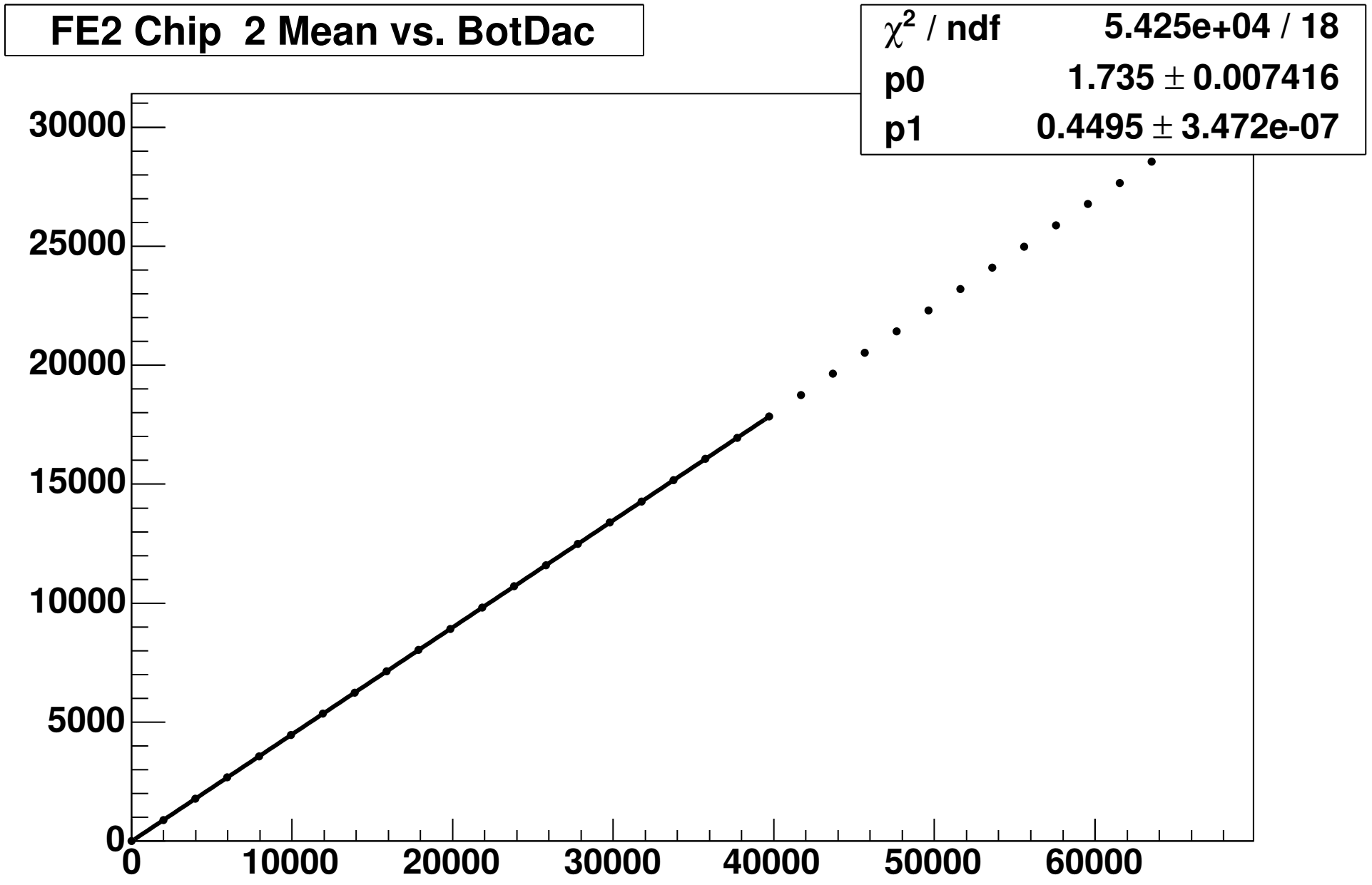
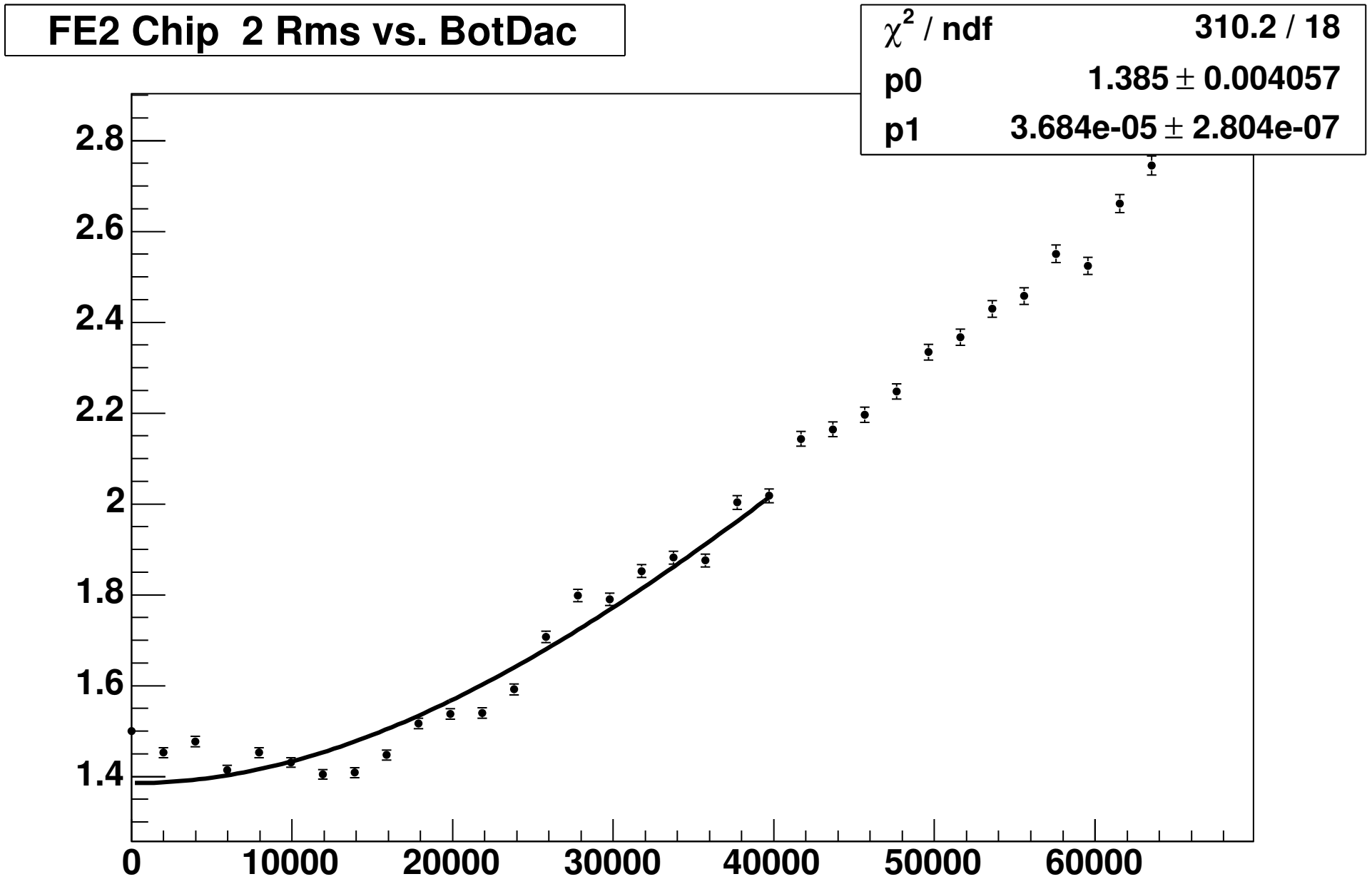

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 6.541 / 18
p0 1.478 ± 0.003801
p1 3.635e-06 ± 2.071e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 5.425e+04 / 18
p0 1.735 ± 0.007416
p1 0.4495 ± 3.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 310.2 / 18
p0 1.385 ± 0.004057
p1 3.684e-05 ± 2.804e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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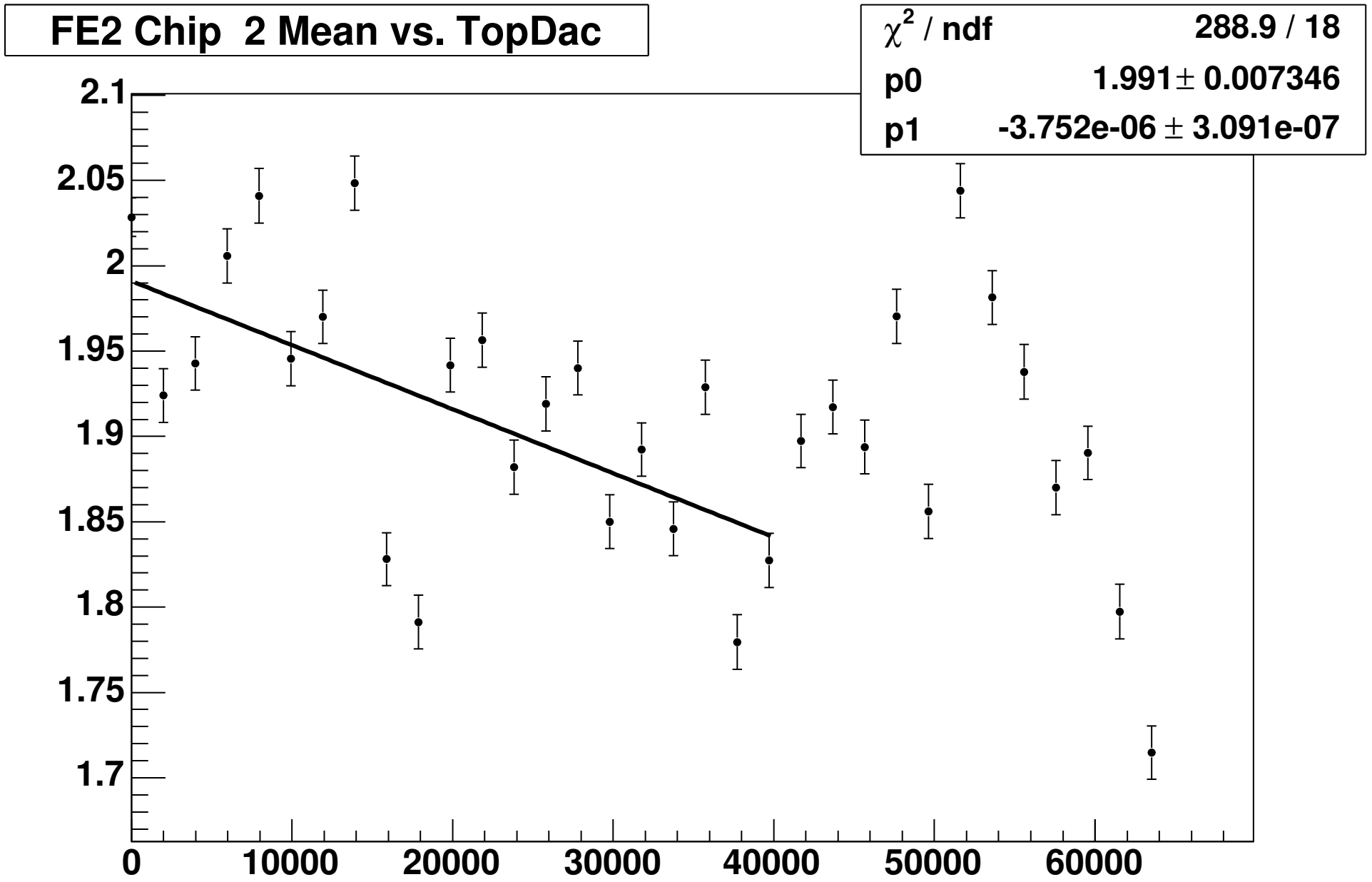
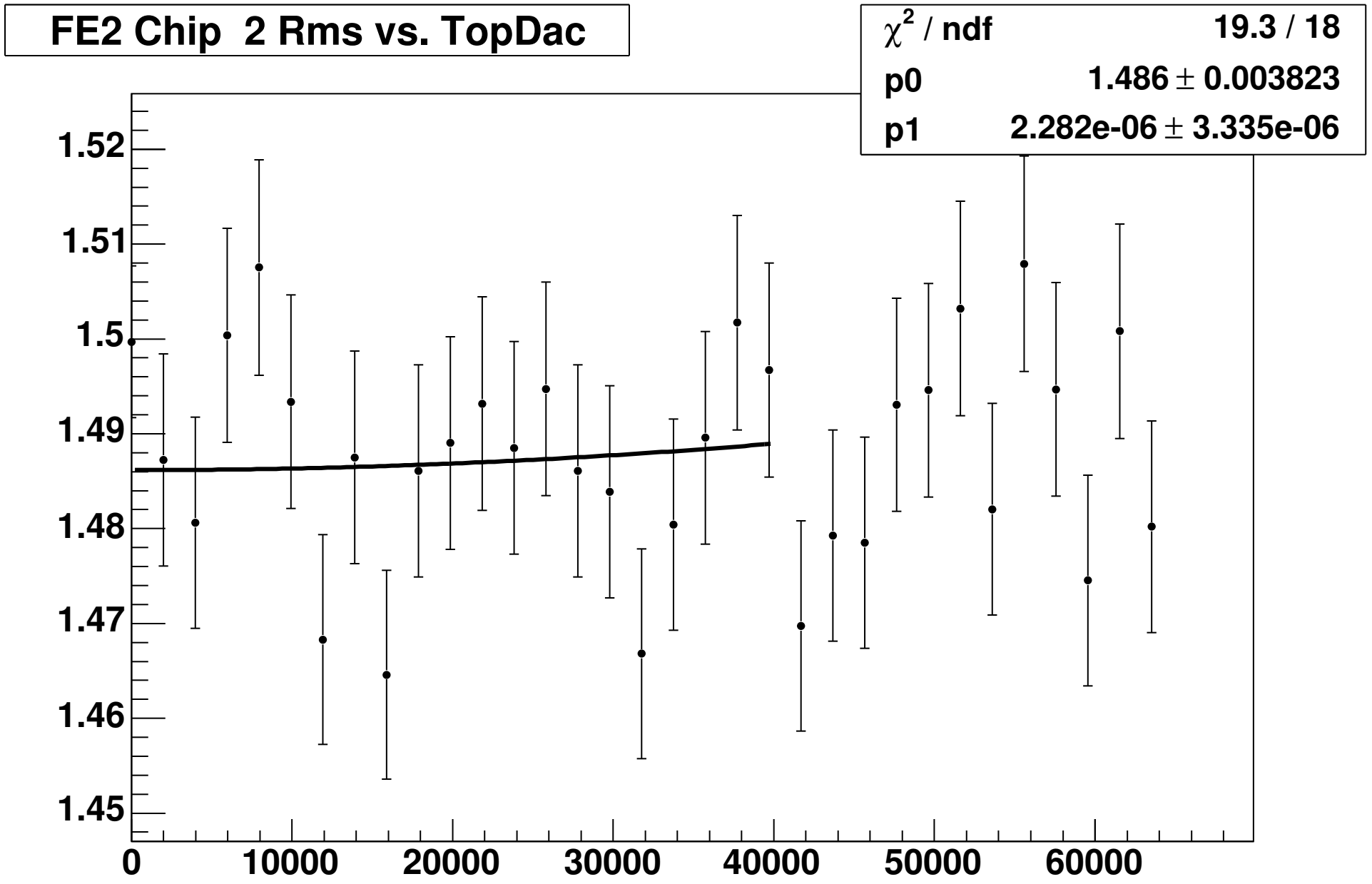
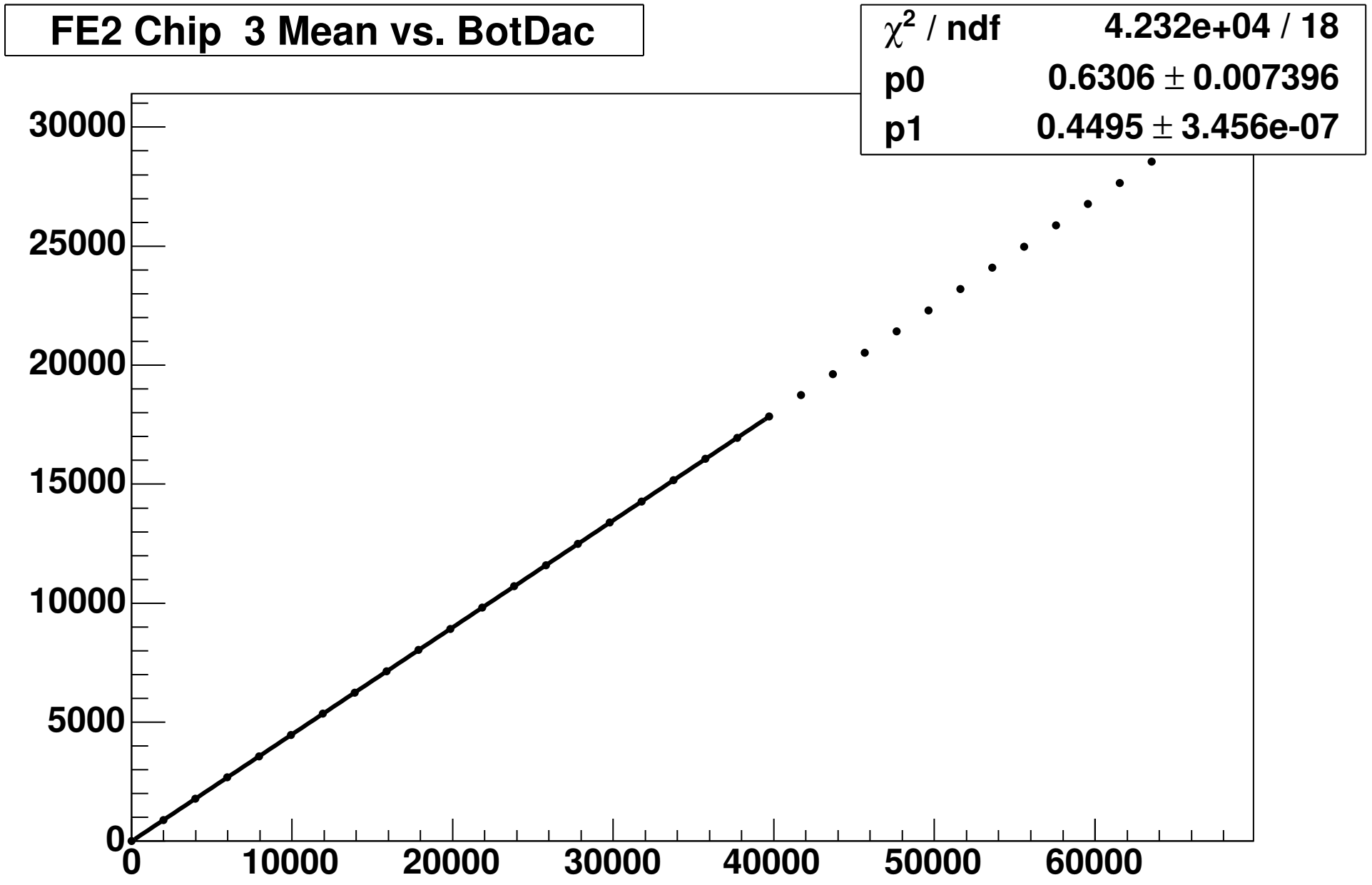
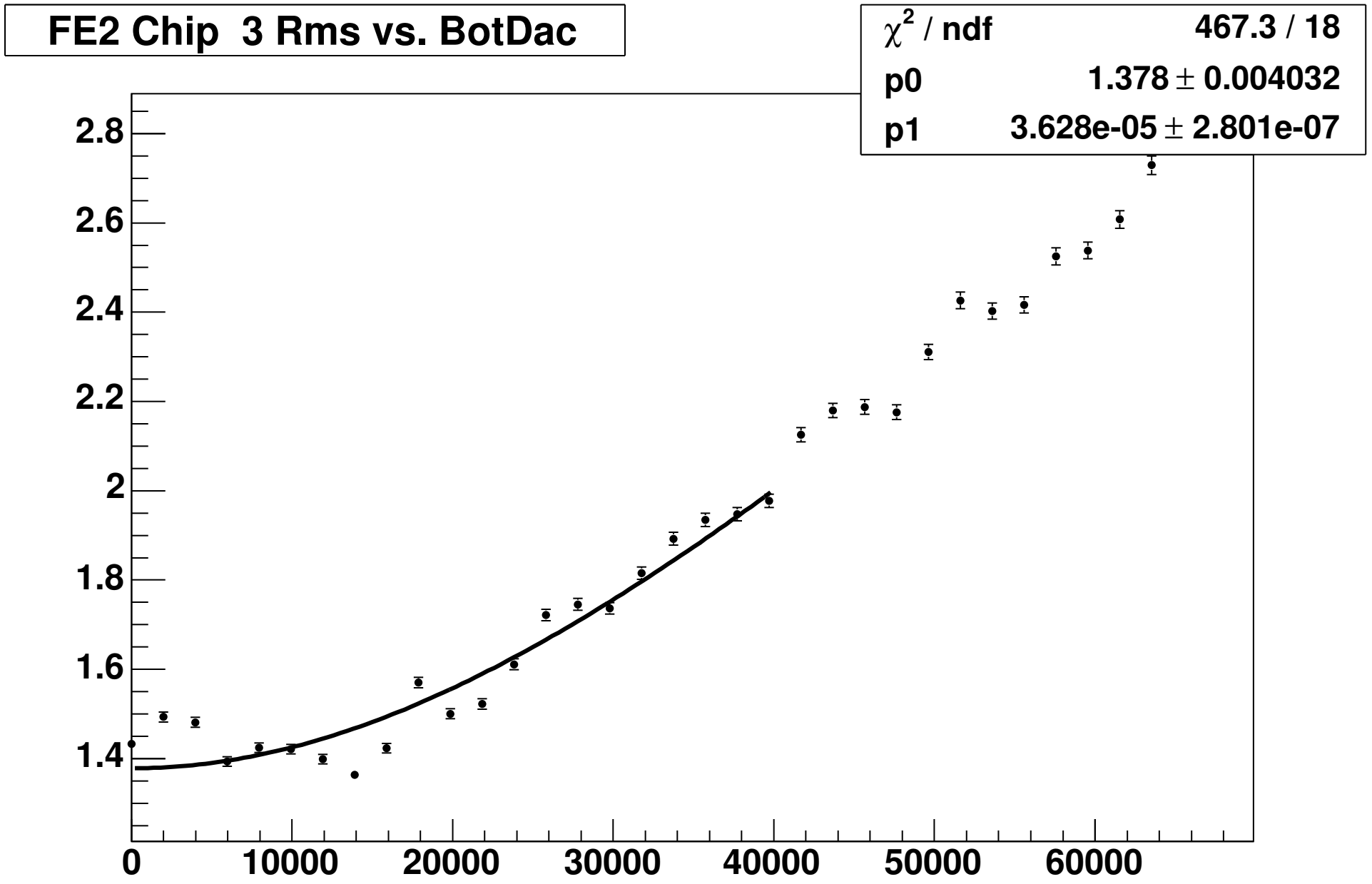
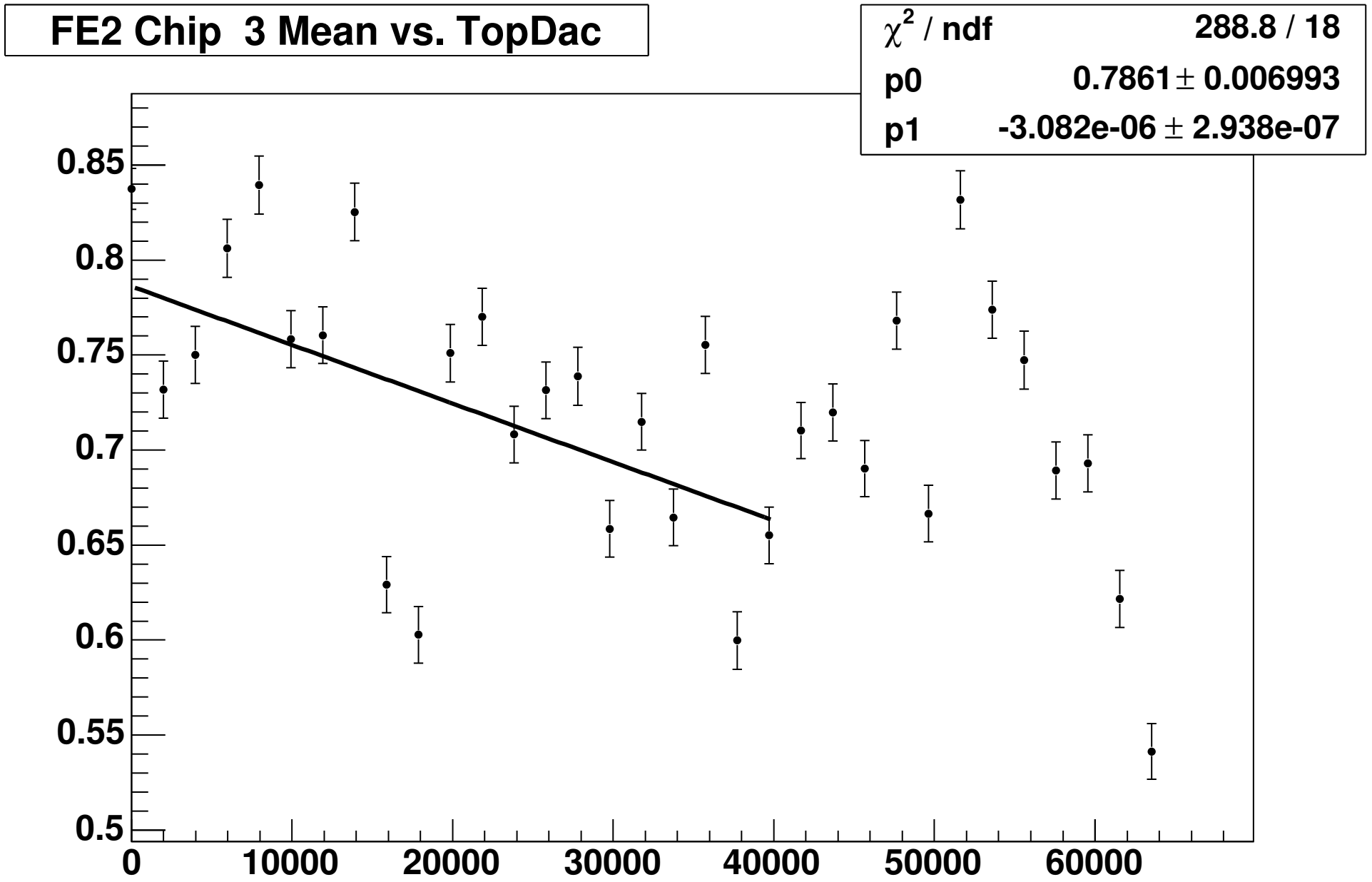
40000
50000
60000

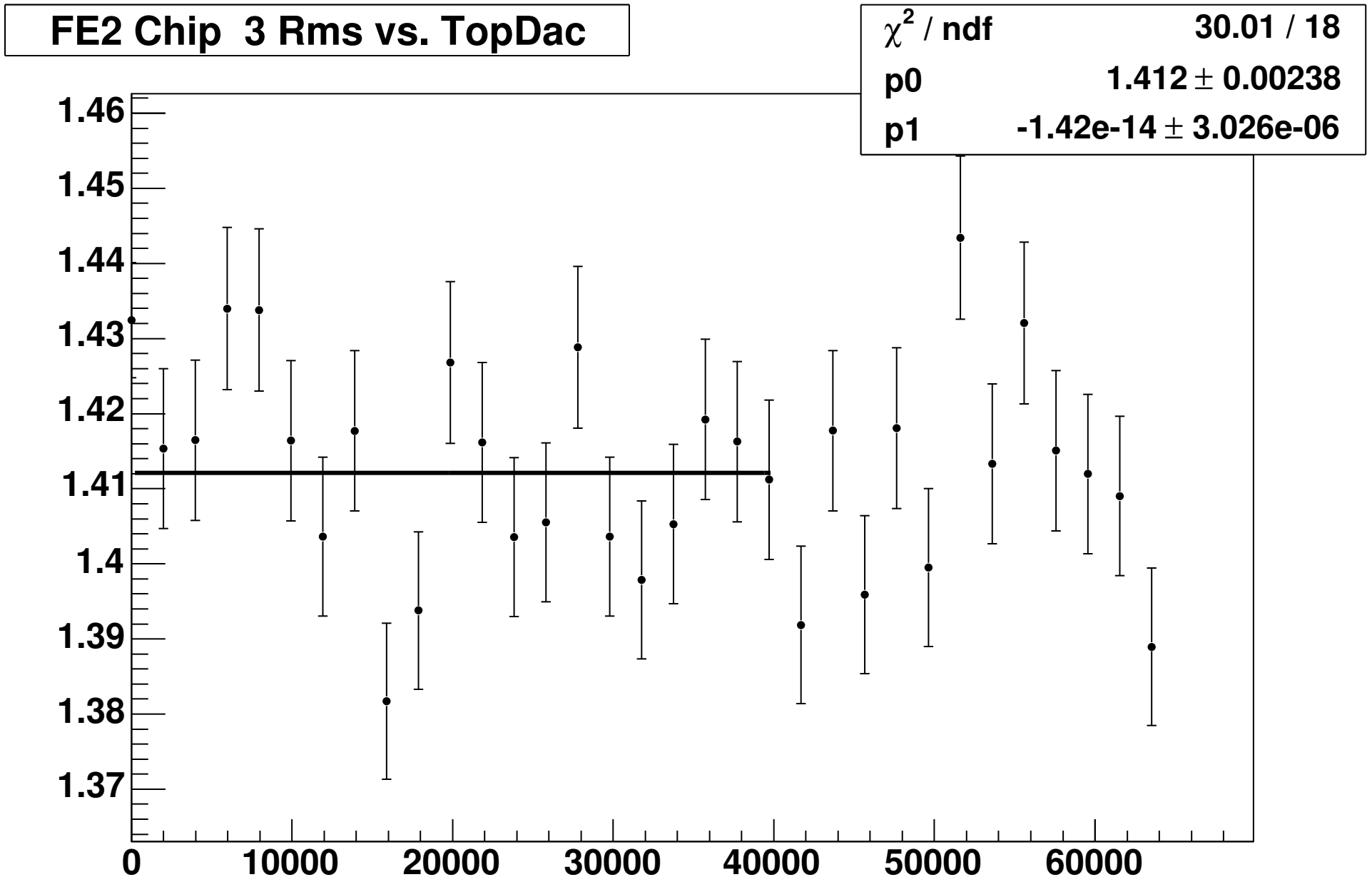

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 288.9 / 18
p0 1.991 ± 0.007346
p1 -3.752e-06 ± 3.091e-07
2.1
2.05
2
1.95
1.9
1.85
1.8
1.75
1.7
0
10000
20000
30000
40000
50000
60000

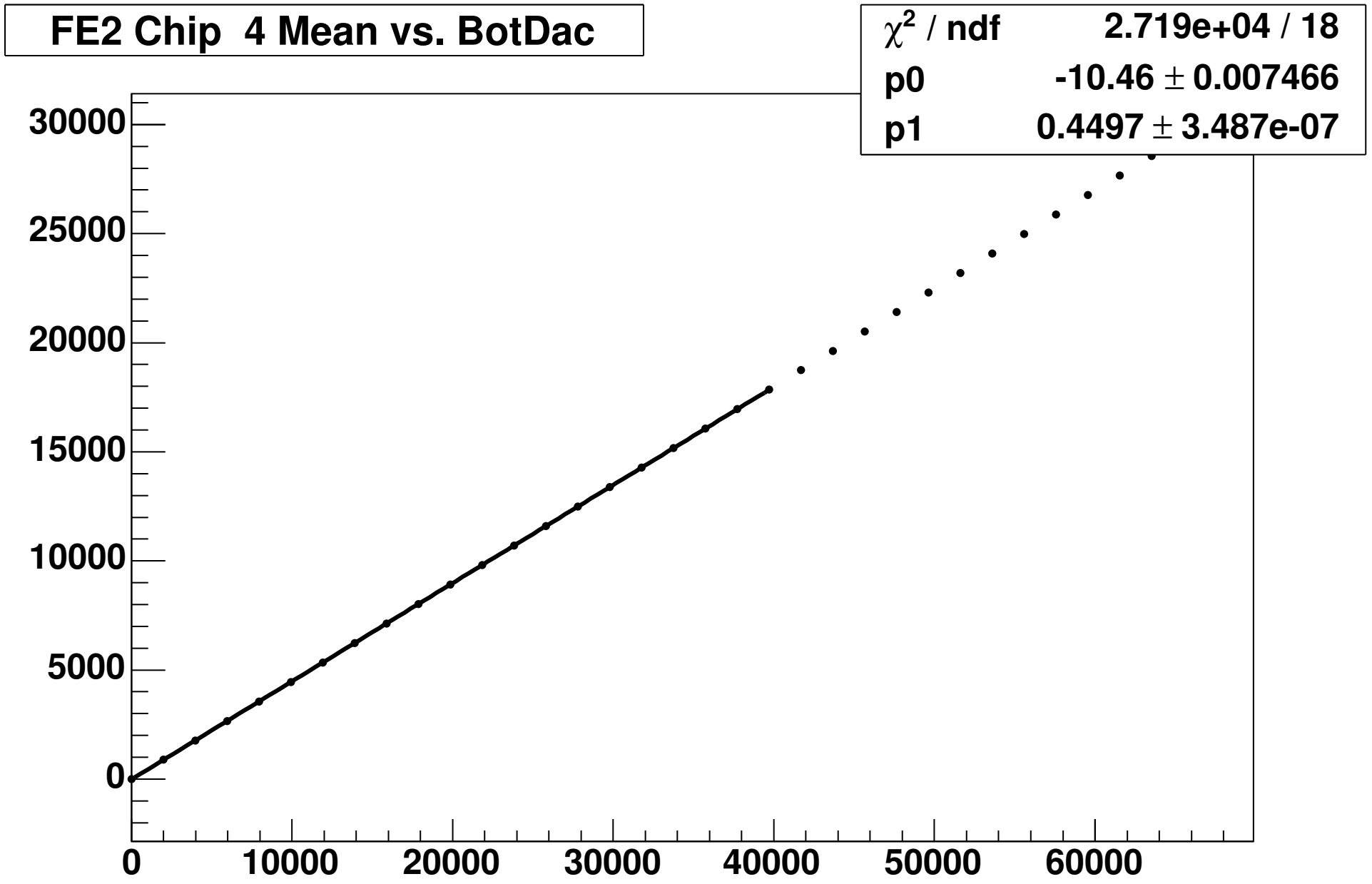

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 19.3 / 18
p0 1.486 ± 0.003823
p1 2.282e-06 ± 3.335e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

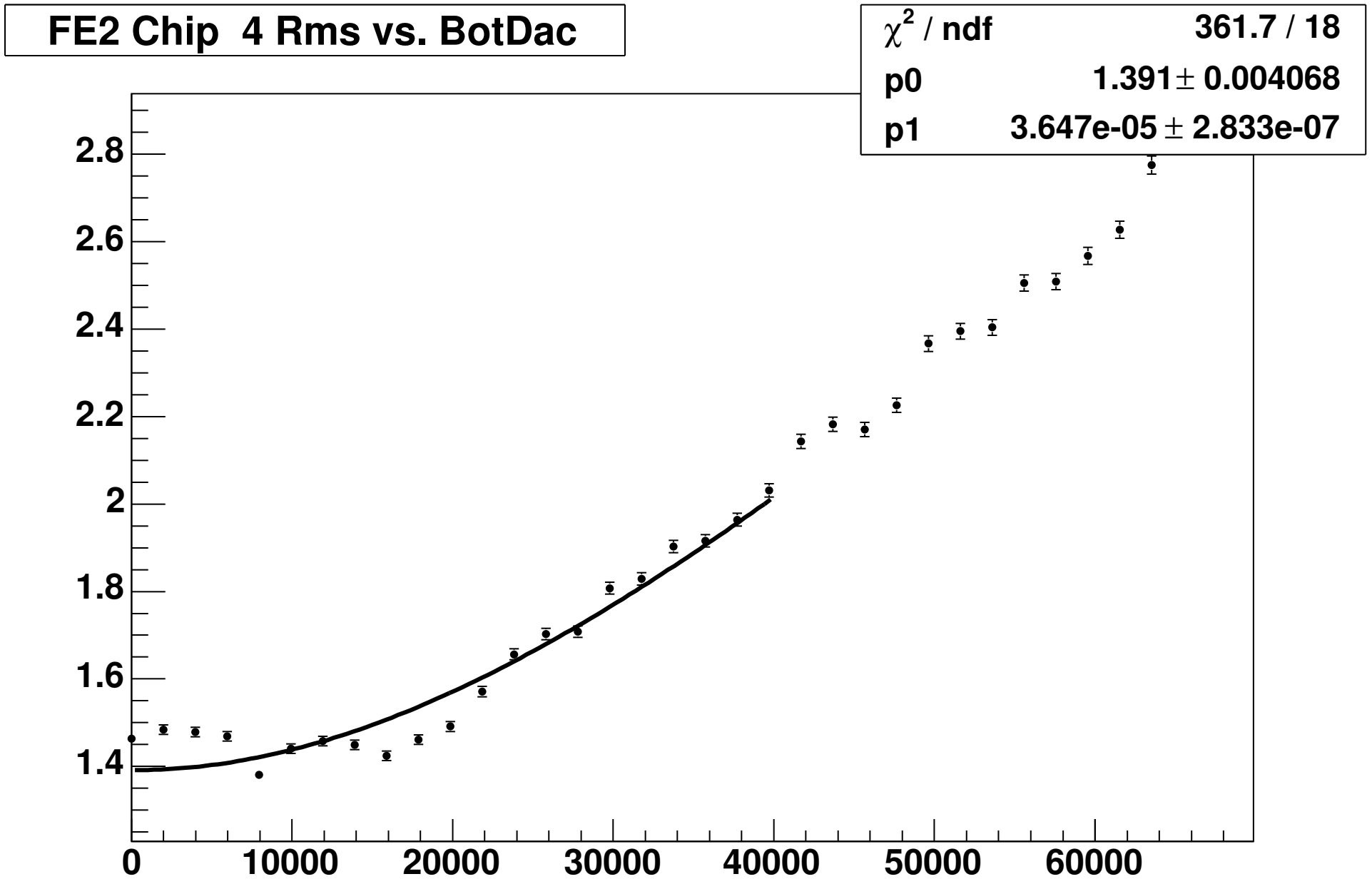

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 4.232e+04 / 18
p0 0.6306 ± 0.007396
p1 0.4495 ± 3.456e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

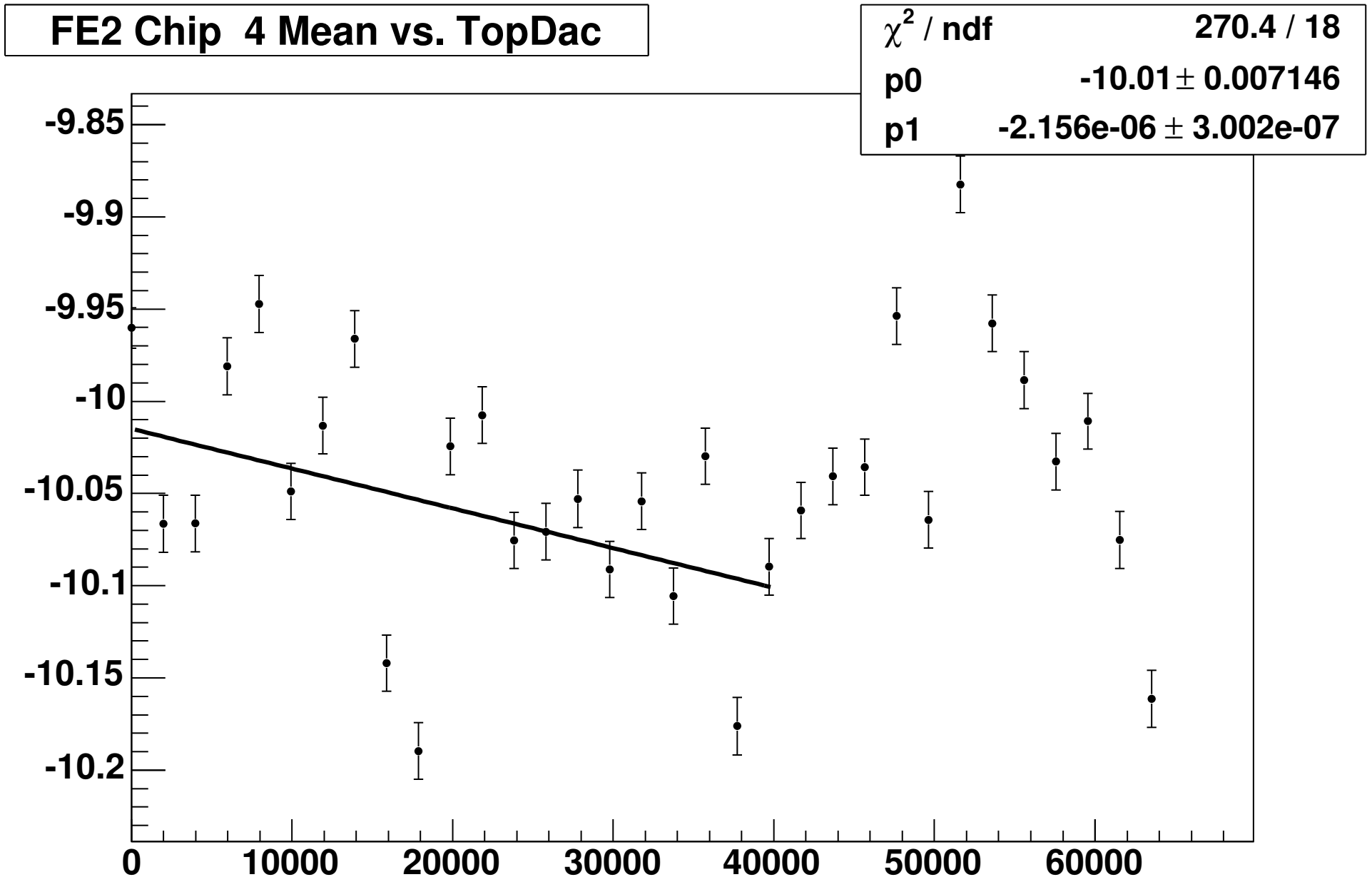

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 467.3 / 18
p0 1.378 ± 0.004032
p1 3.628e-05 ± 2.801e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

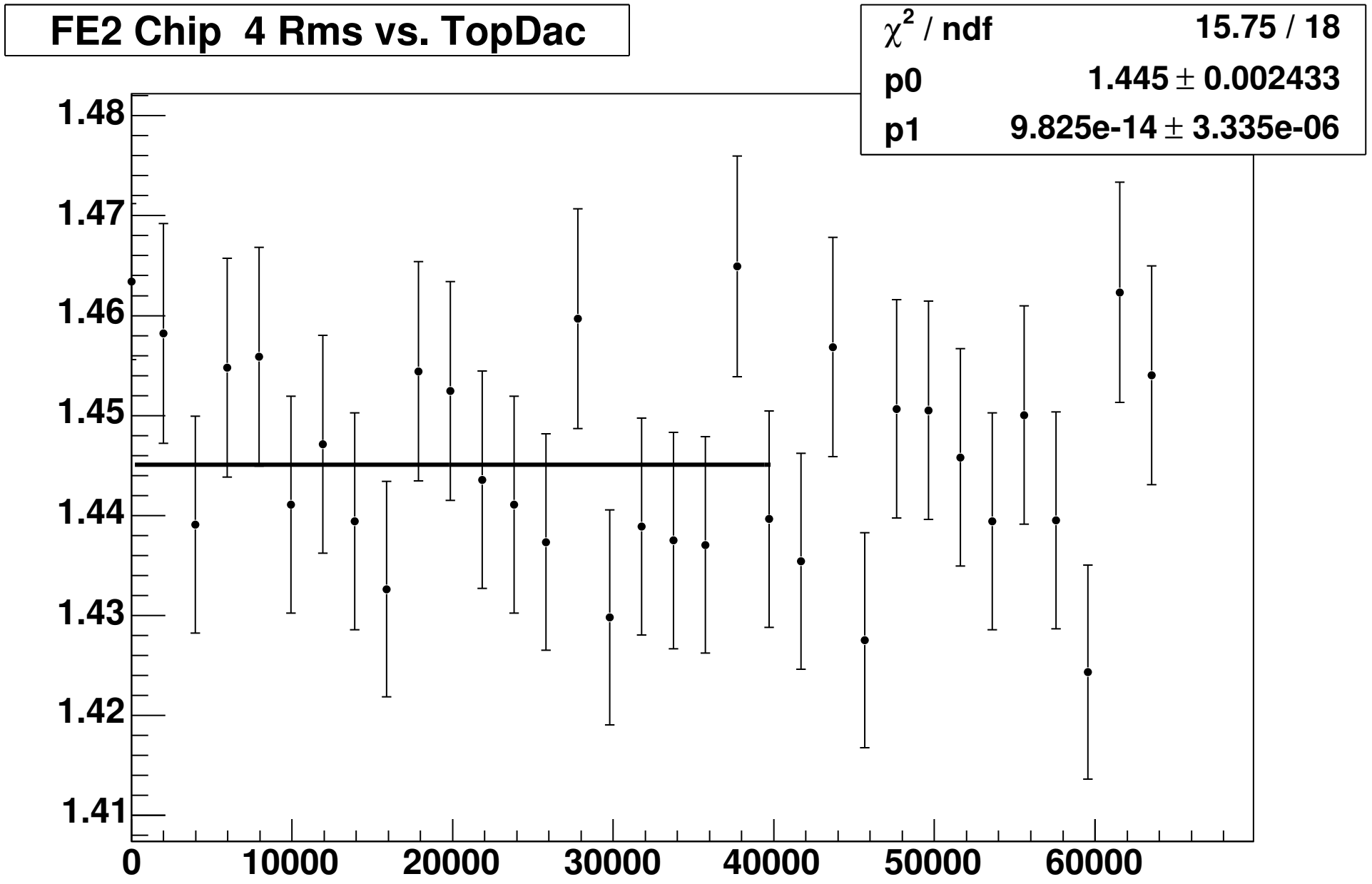

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 288.8 / 18
p0 0.7861 ± 0.006993
p1 -3.082e-06 ± 2.938e-07
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0
10000
20000
30000
40000
50000
60000

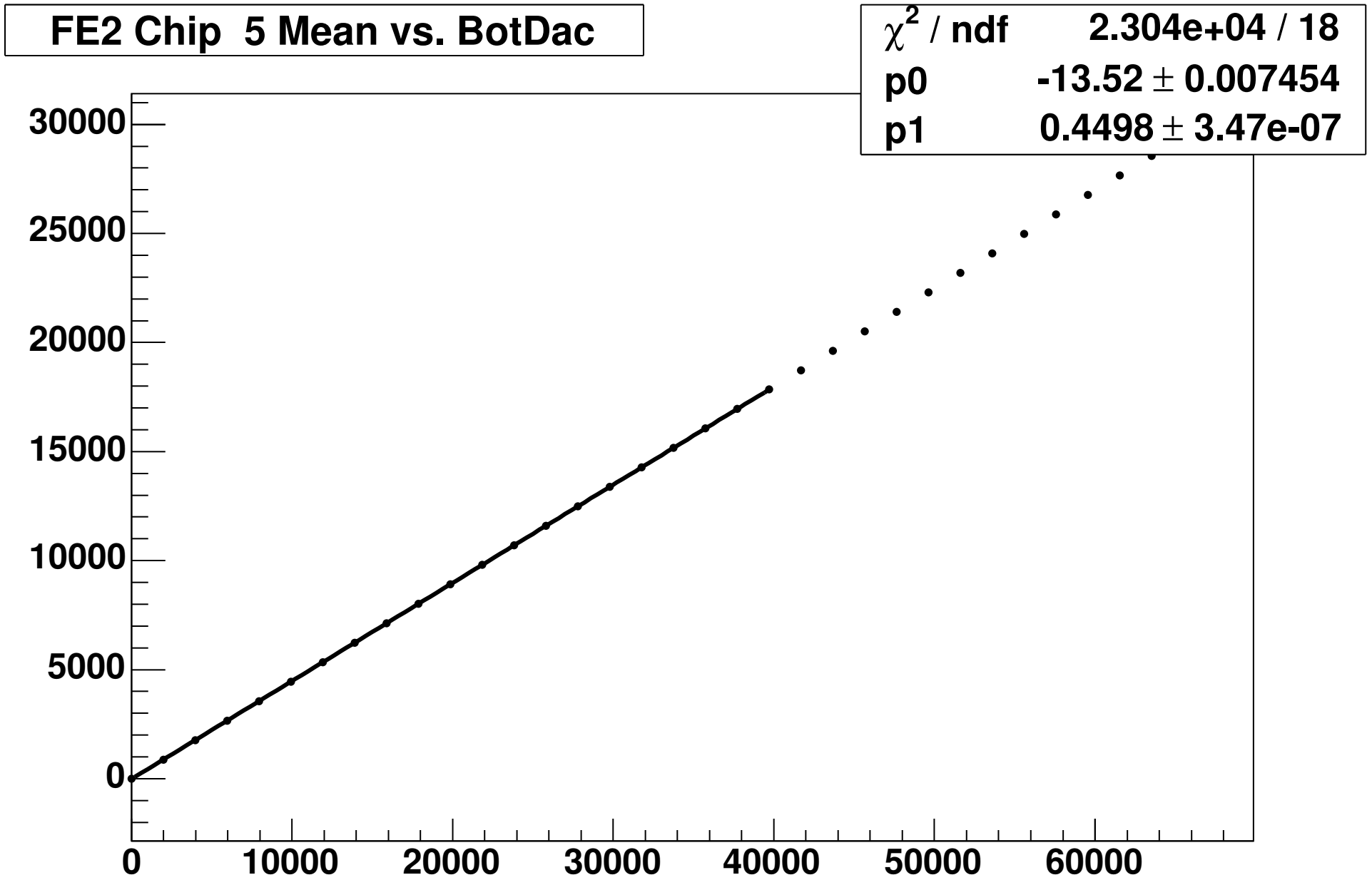

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 30.01 / 18
p0 1.412 ± 0.00238
p1 -1.42e-14 ± 3.026e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
60000

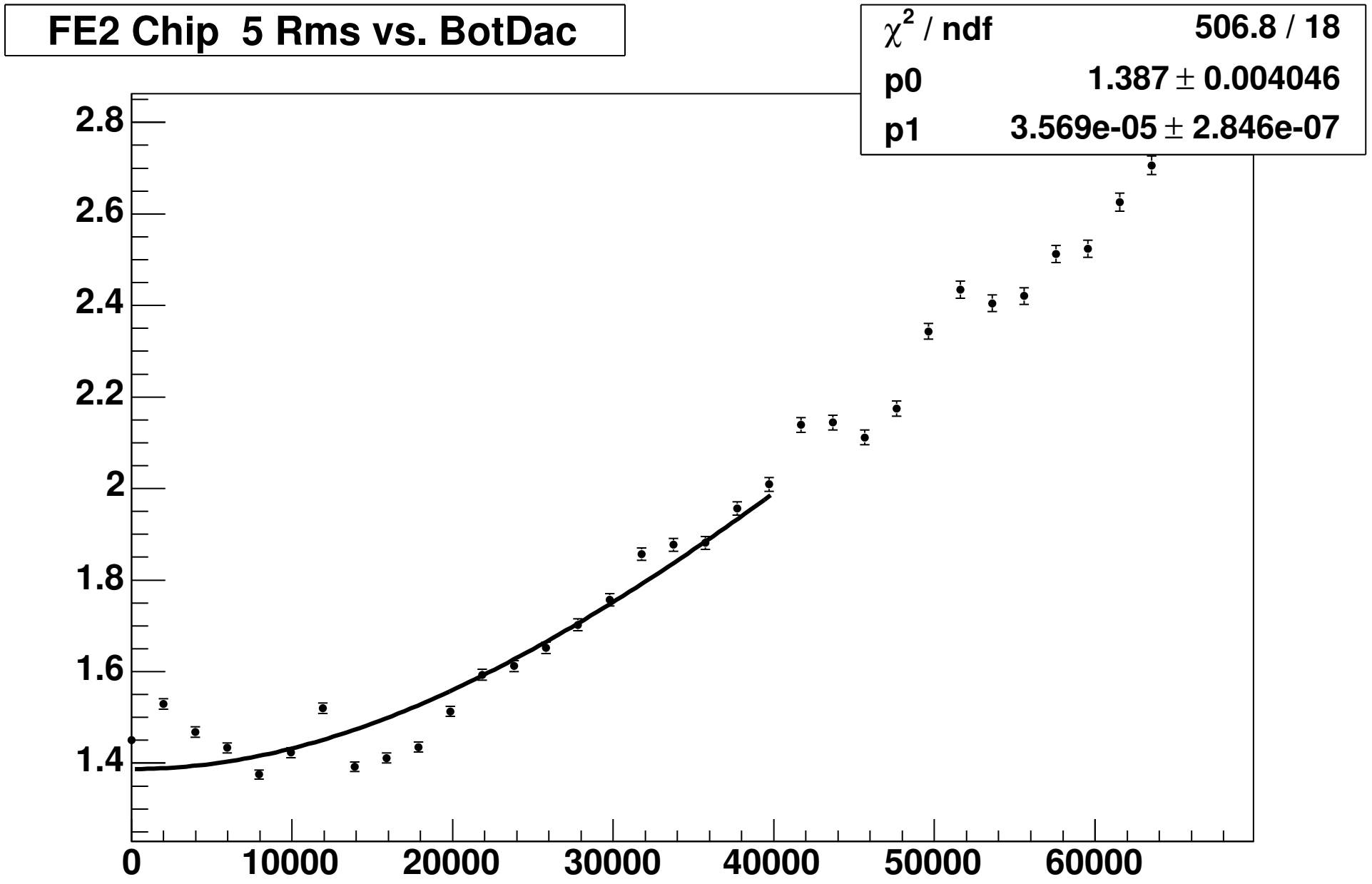

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.719e+04 / 18
p0 -10.46 ± 0.007466
p1 0.4497 ± 3.487e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

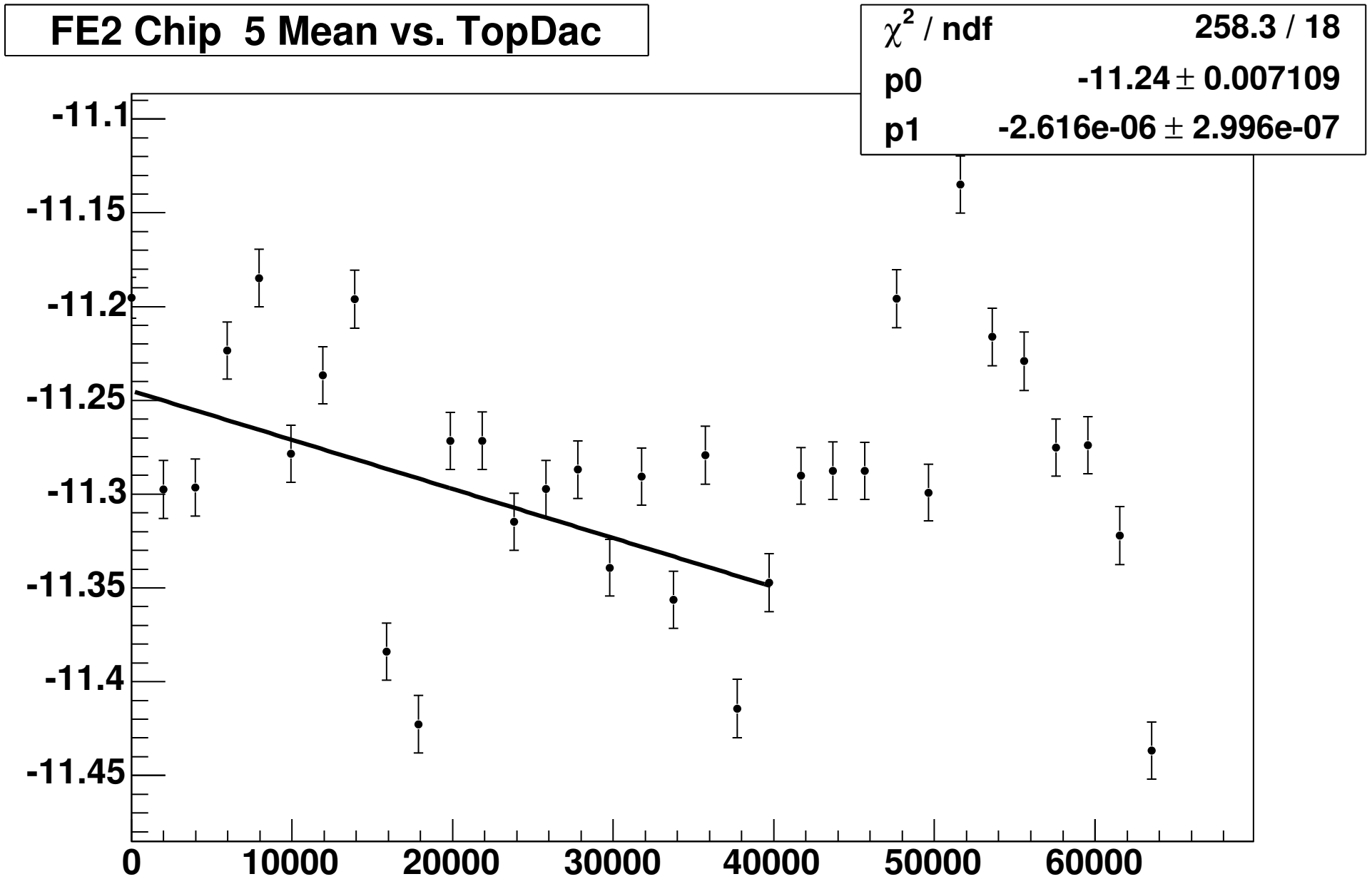

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 361.7 / 18
p0 1.391 ± 0.004068
p1 3.647e-05 ± 2.833e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

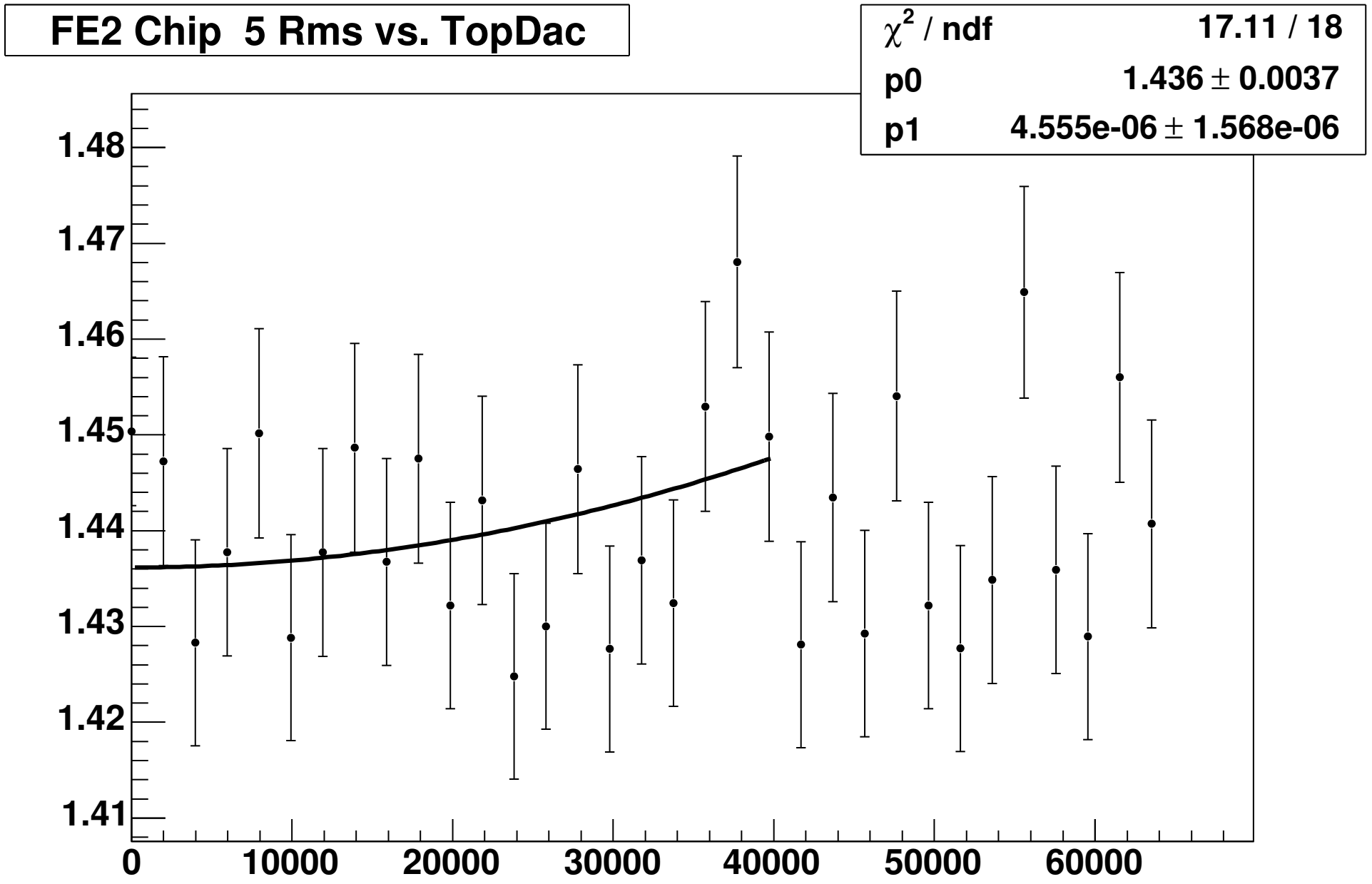

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 270.4 / 18
p0 -10.01 ± 0.007146
p1 -2.156e-06 ± 3.002e-07
-9.85
-9.9
-9.95
-10
-10.05
-10.1
-10.15
-10.2
0
10000
20000
30000
40000
50000
60000

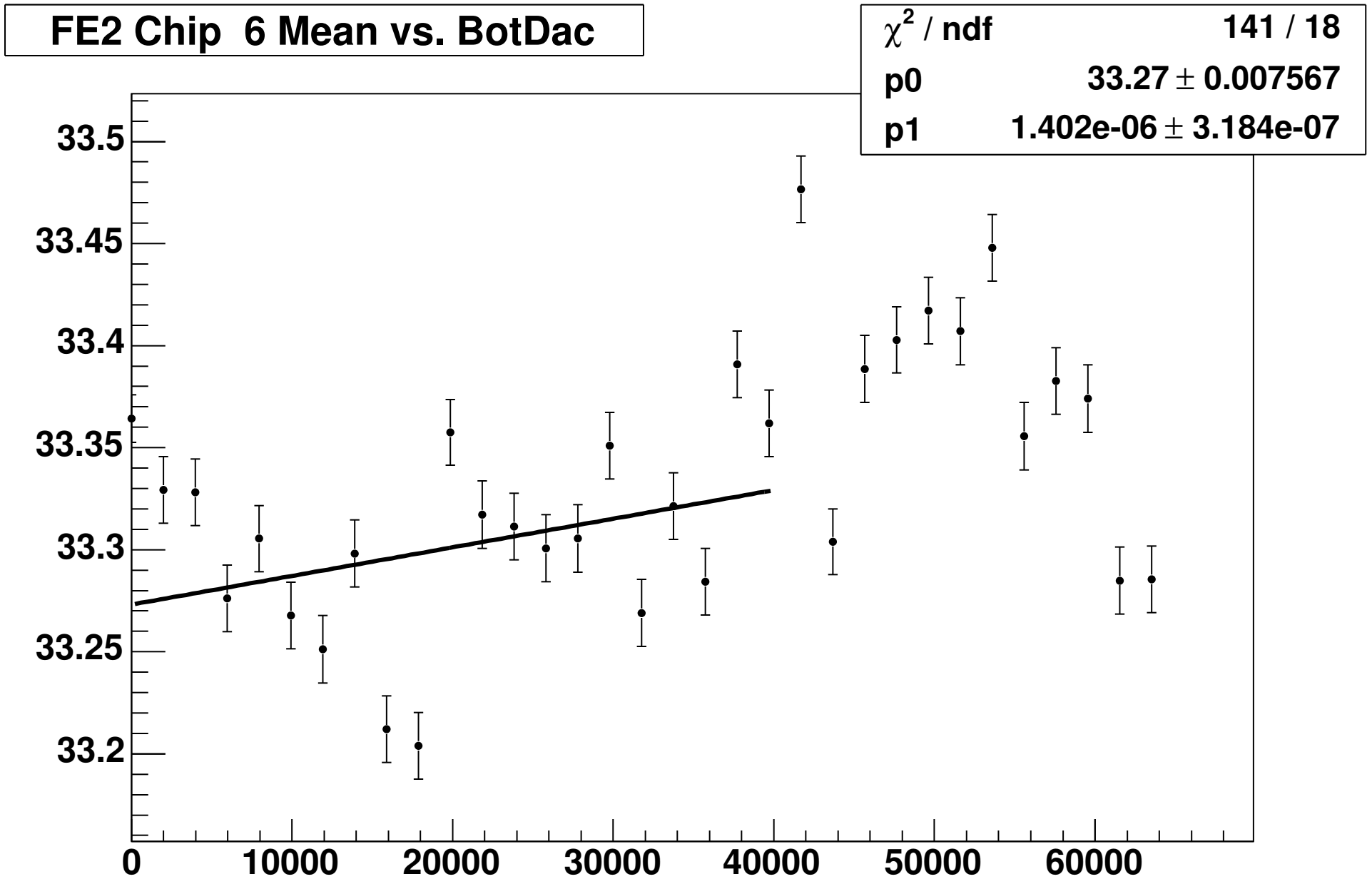

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 15.75 / 18
p0 1.445 ± 0.002433
p1 9.825e-14 ± 3.335e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

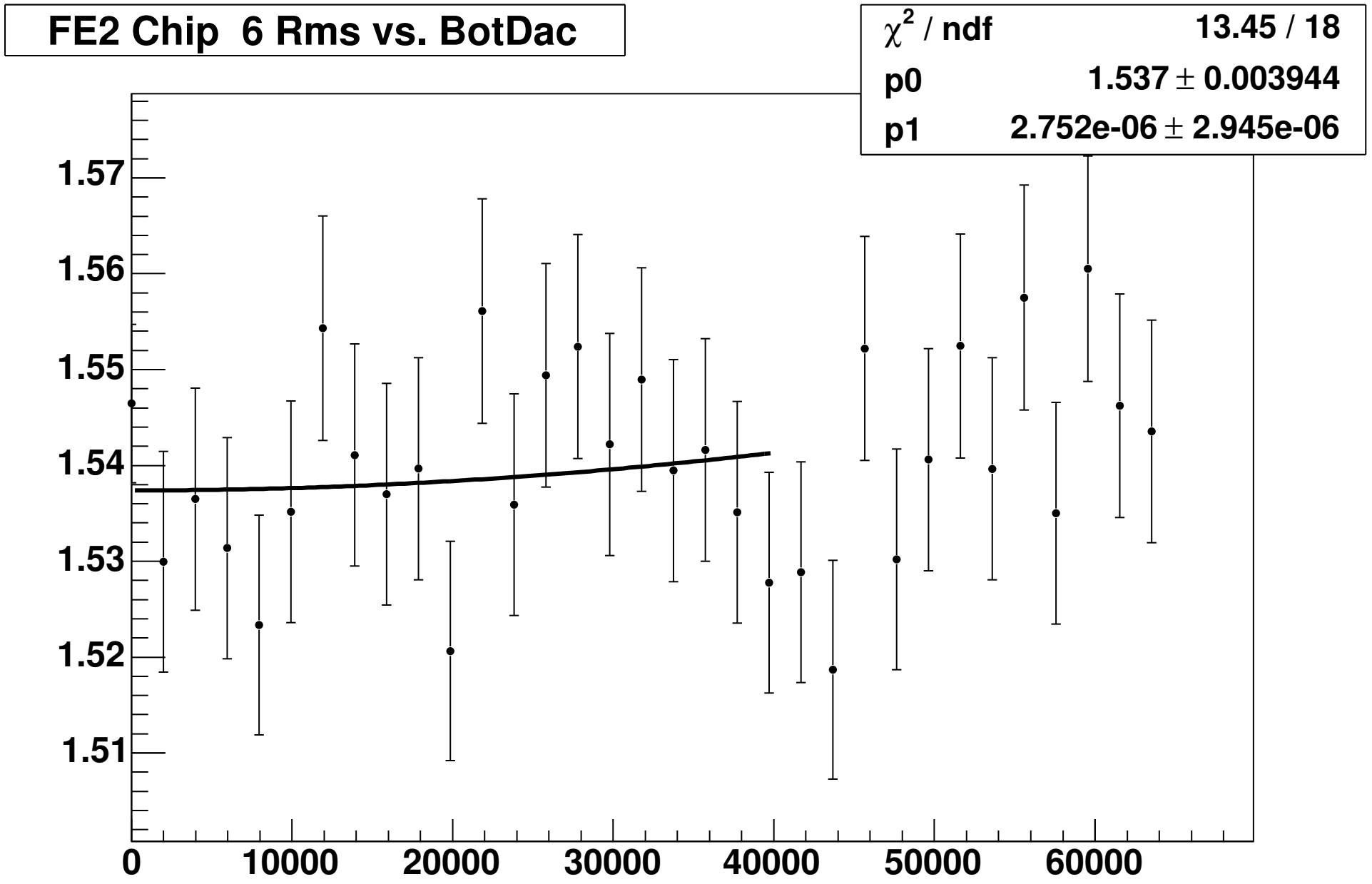

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 2.304e+04 / 18
p0 -13.52 ± 0.007454
p1 0.4498 ± 3.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

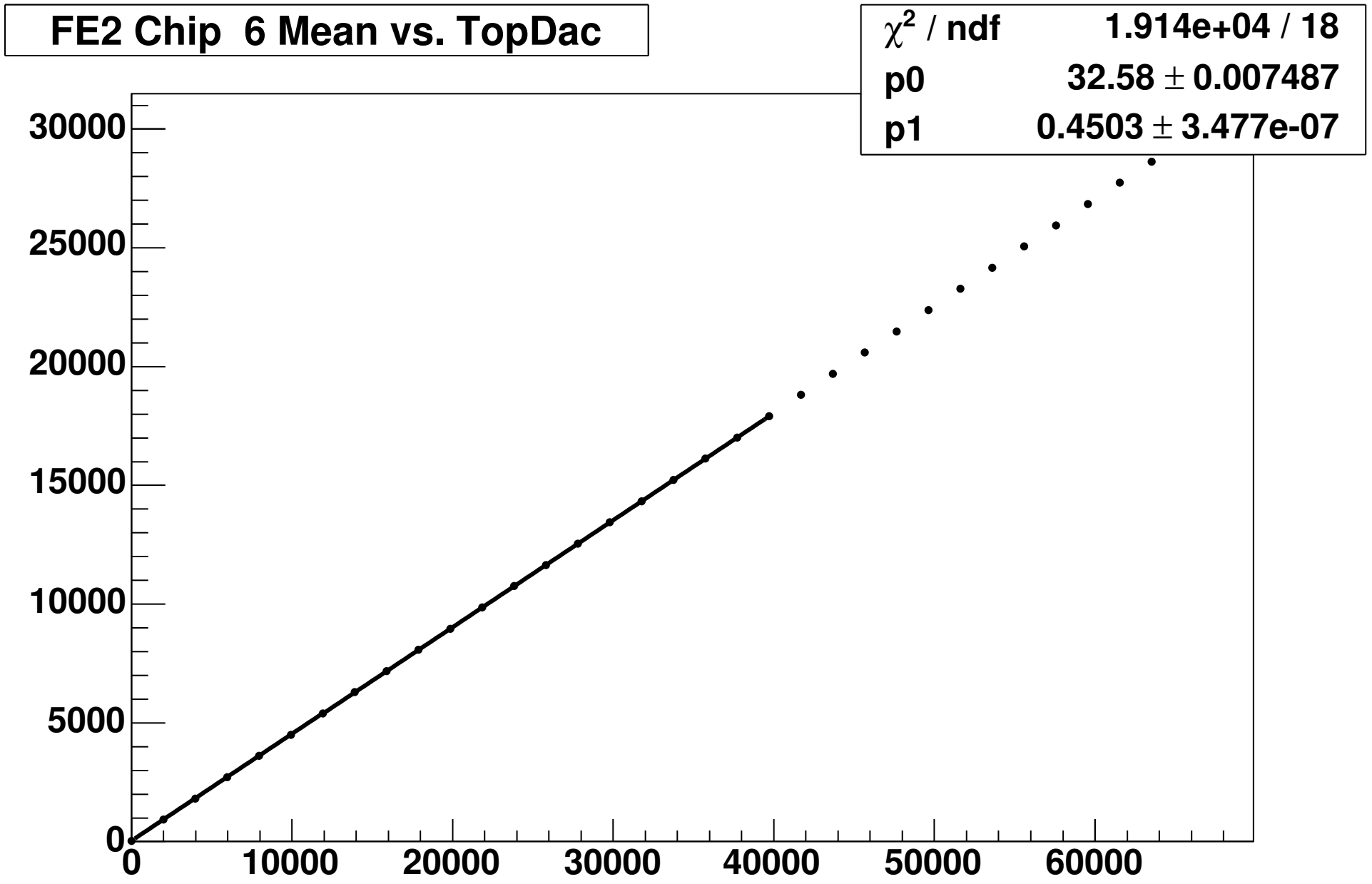

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 506.8 / 18
p0 1.387 ± 0.004046
p1 3.569e-05 ± 2.846e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

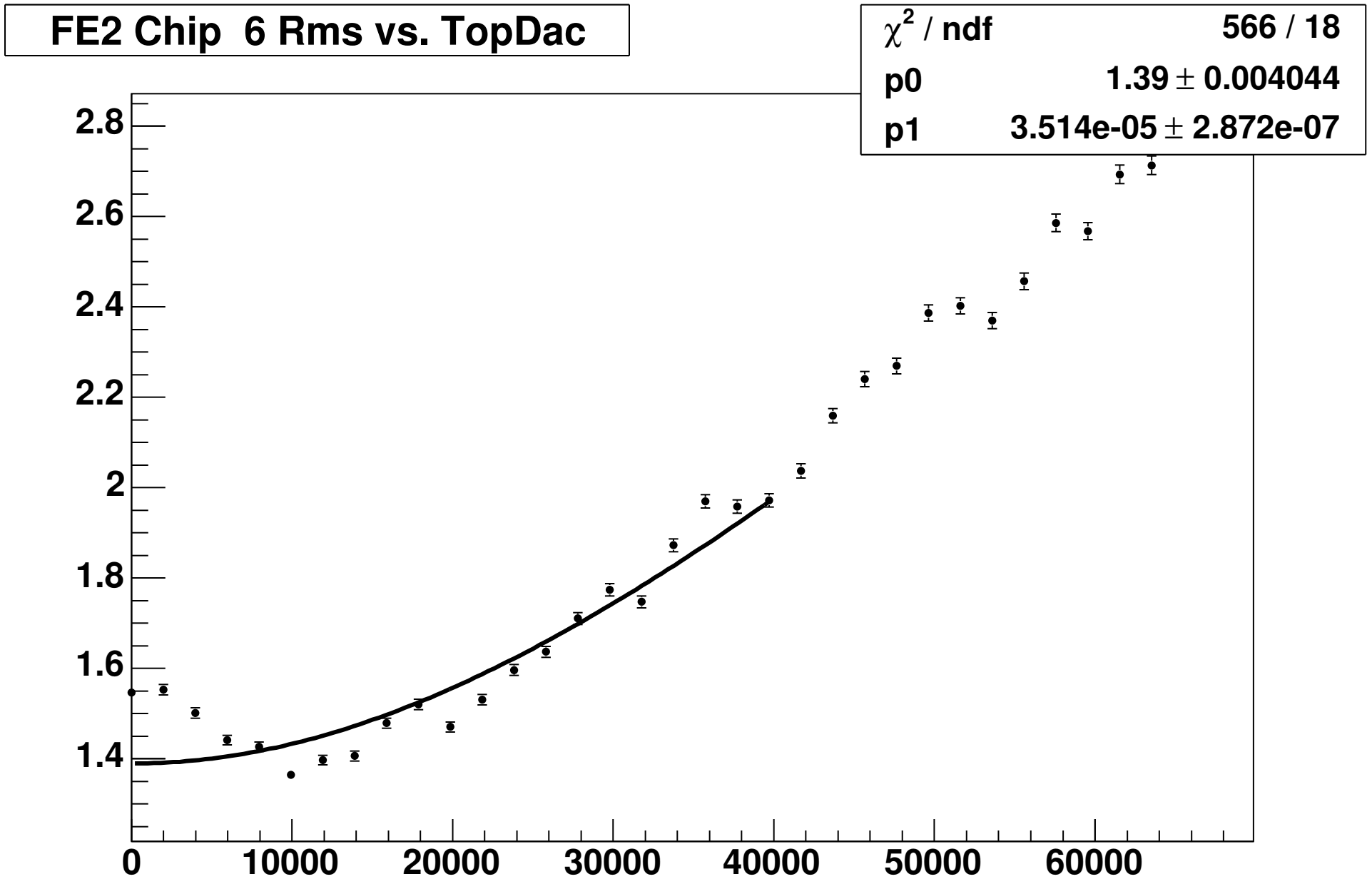

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 258.3 / 18
p0 -11.24 ± 0.007109
p1 -2.616e-06 ± 2.996e-07
-11.1
-11.15
-11.2
-11.25
-11.3
-11.35
-11.4
-11.45
0
10000
20000
30000
40000
50000
60000

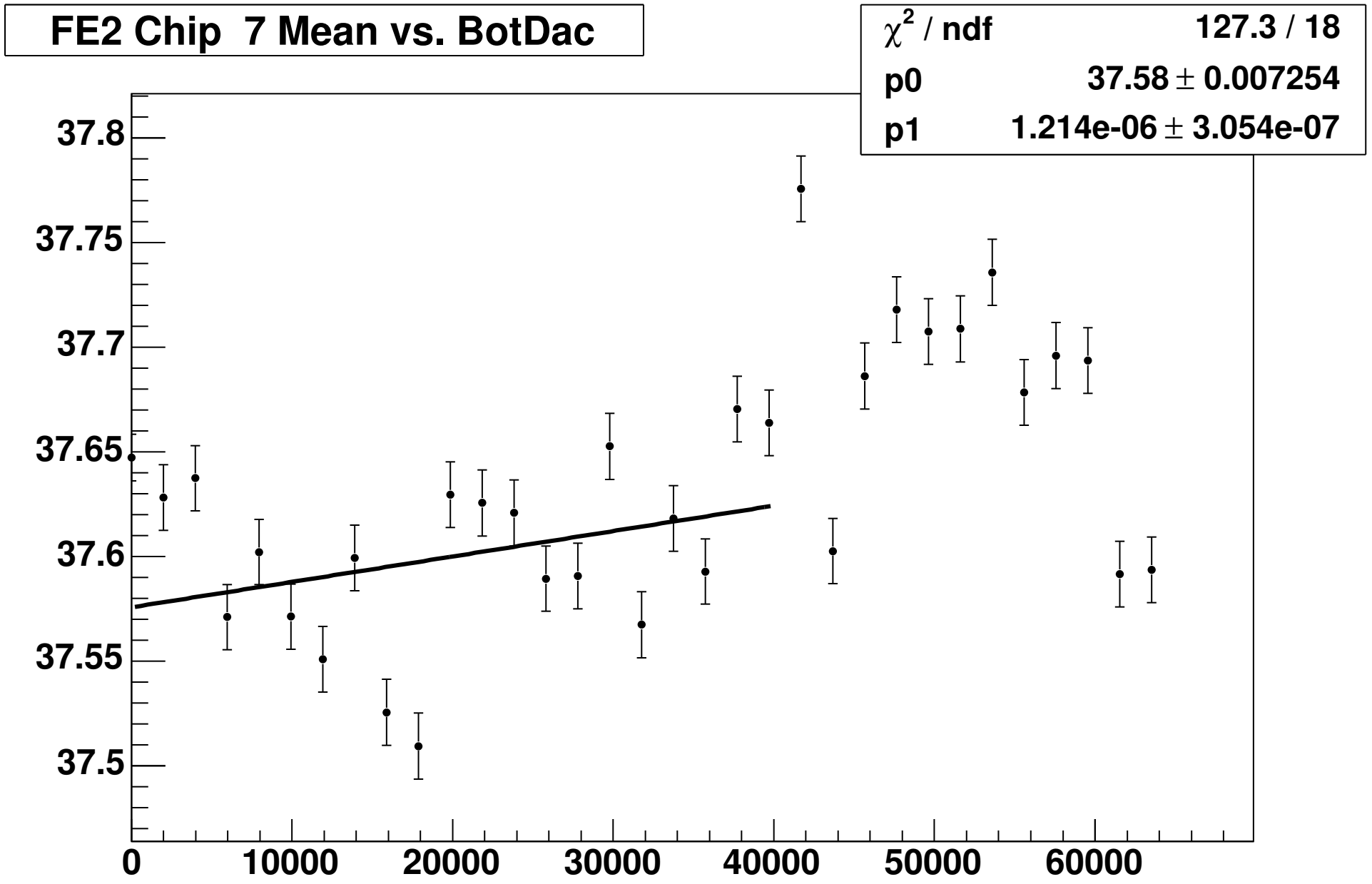

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 17.11 / 18
p0 1.436 ± 0.0037
p1 4.555e-06 ± 1.568e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

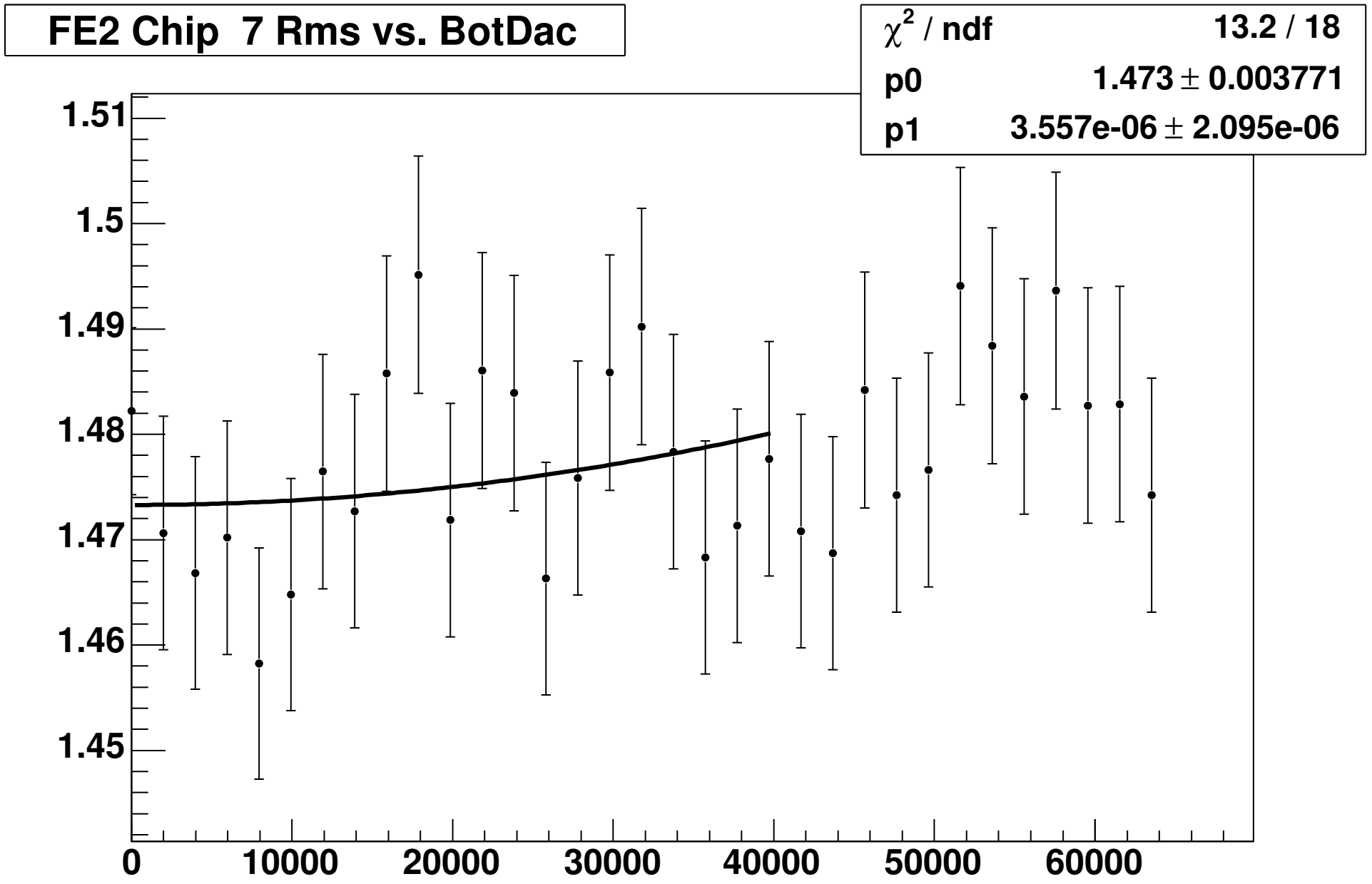

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 141 / 18
p0 33.27 ± 0.007567
p1 1.402e-06 ± 3.184e-07
33.5
33.45
33.4
33.35
33.3
33.25
33.2
0
10000
20000
30000
40000
50000
60000

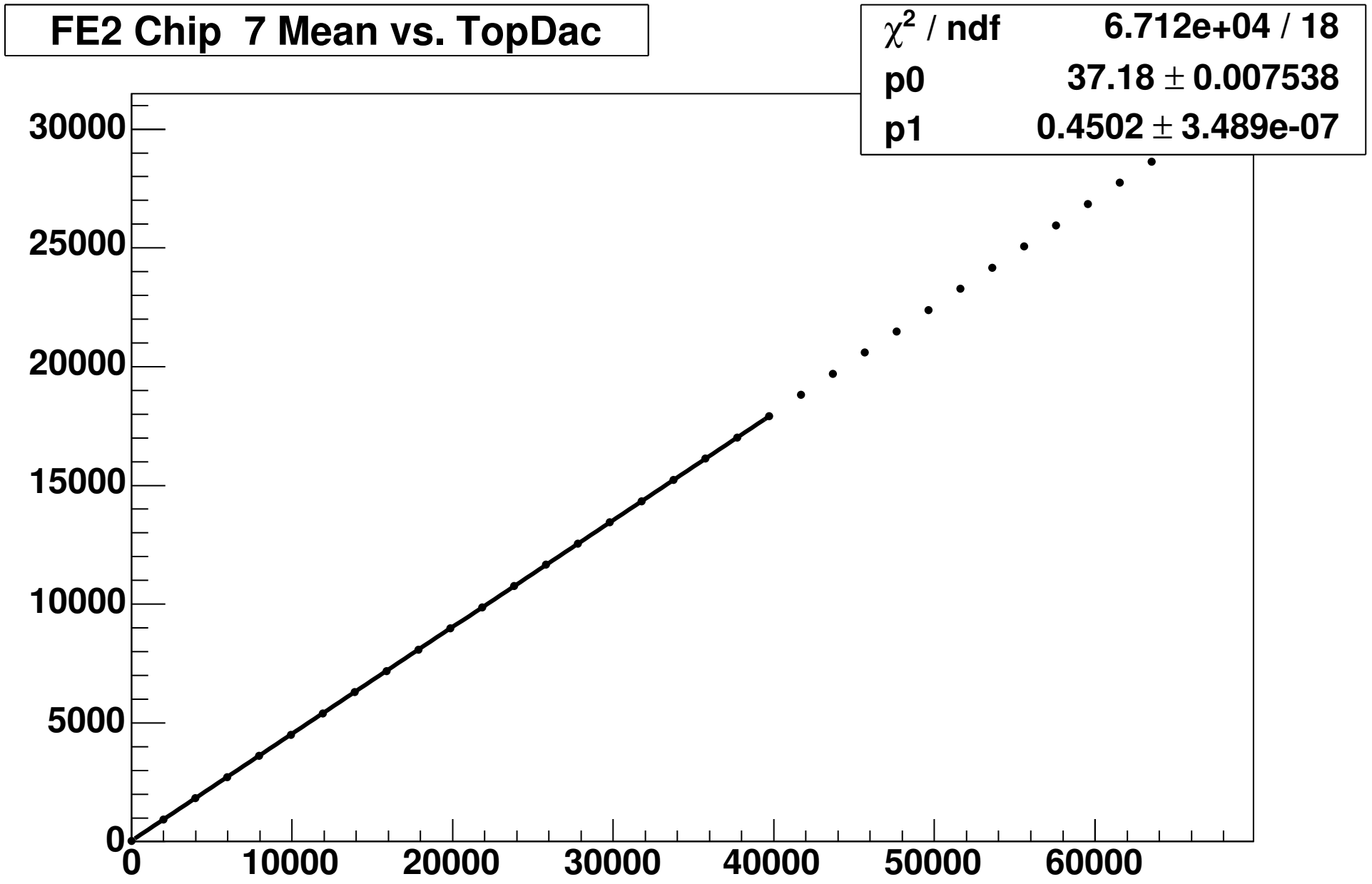

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 13.45 / 18
p0 1.537 ± 0.003944
p1 2.752e-06 ± 2.945e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000

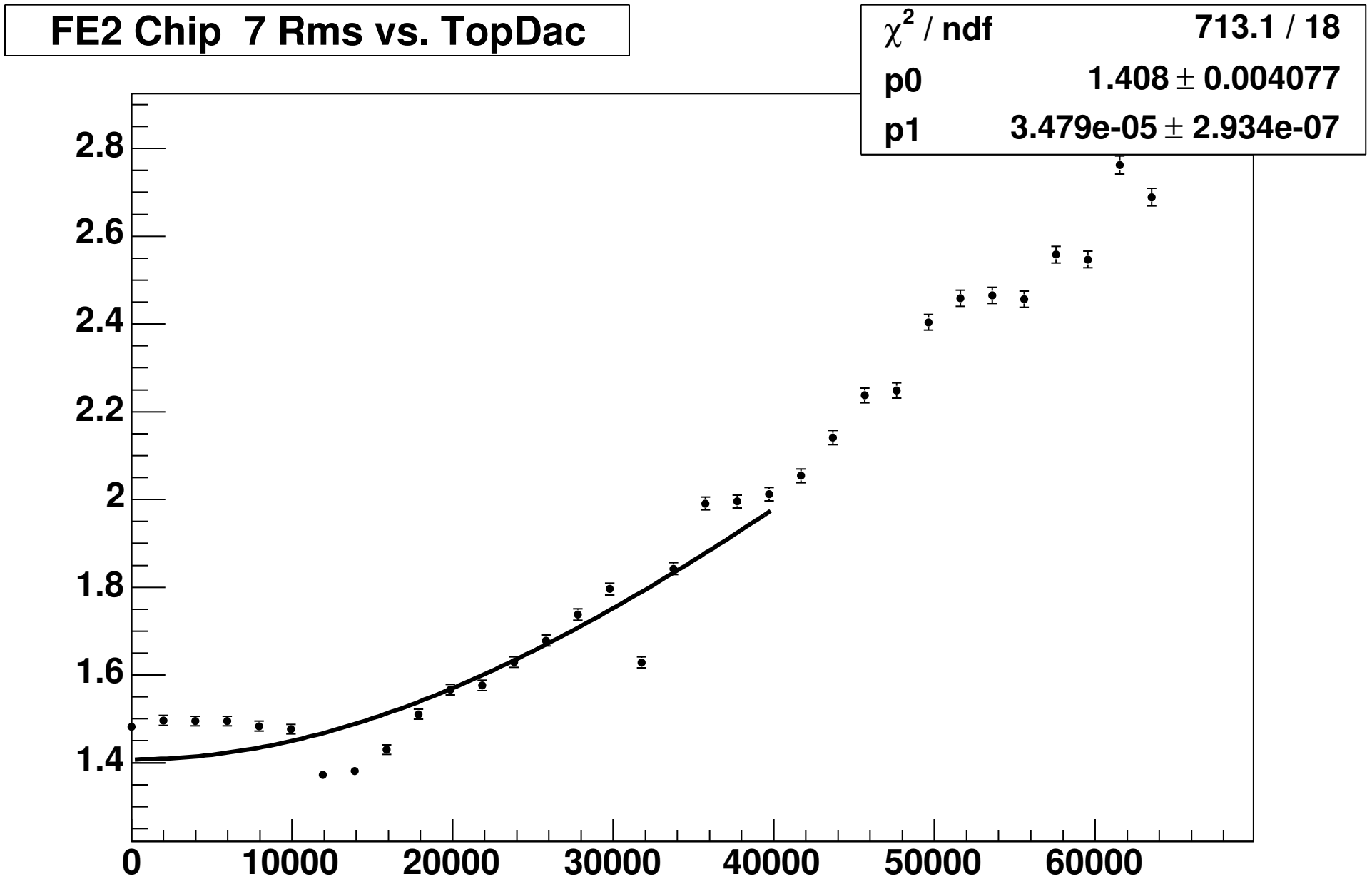

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.914e+04 / 18
p0 32.58 ± 0.007487
p1 0.4503 ± 3.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

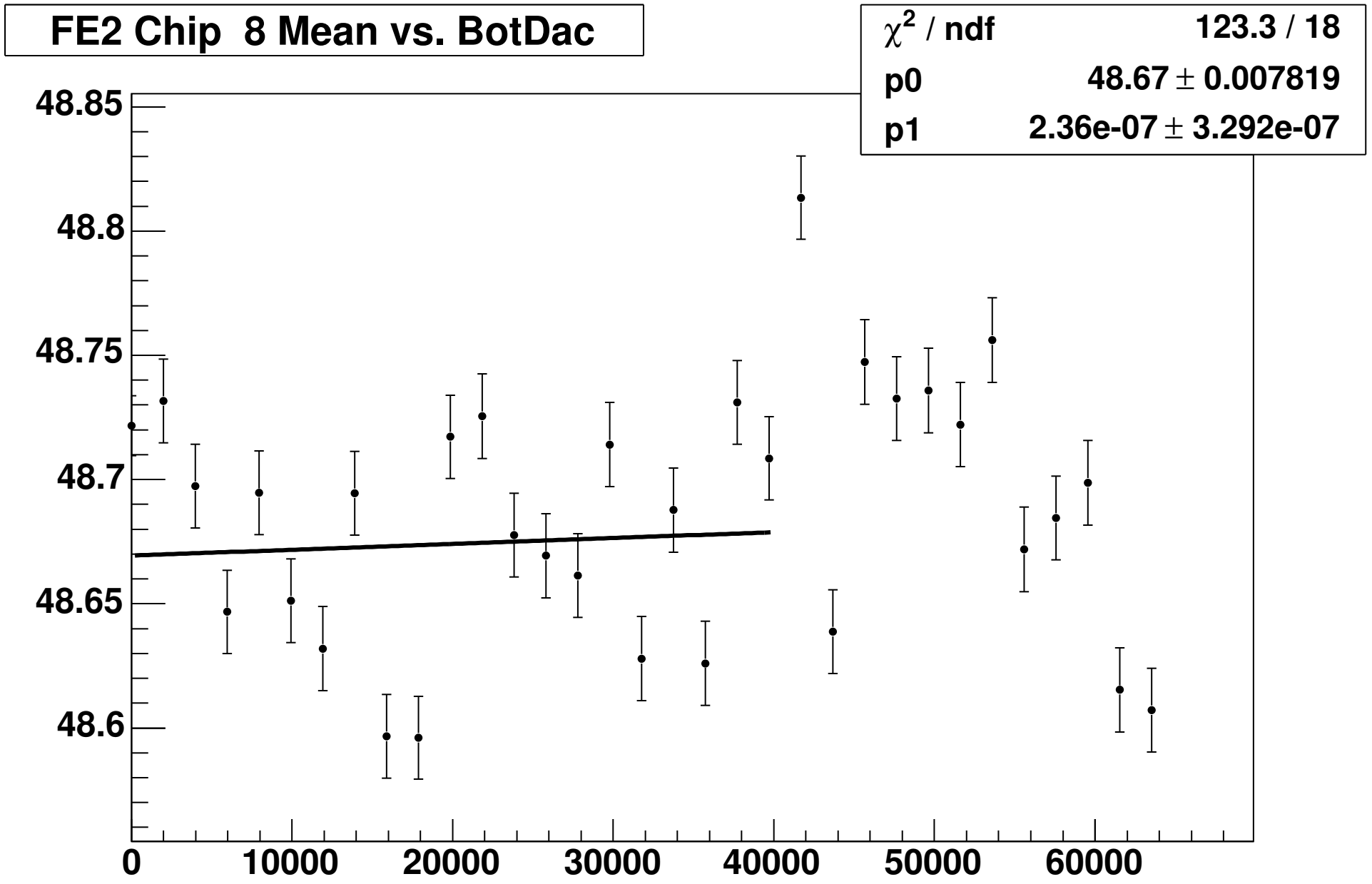

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 566 / 18
p0 1.39 ± 0.004044
p1 3.514e-05 ± 2.872e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

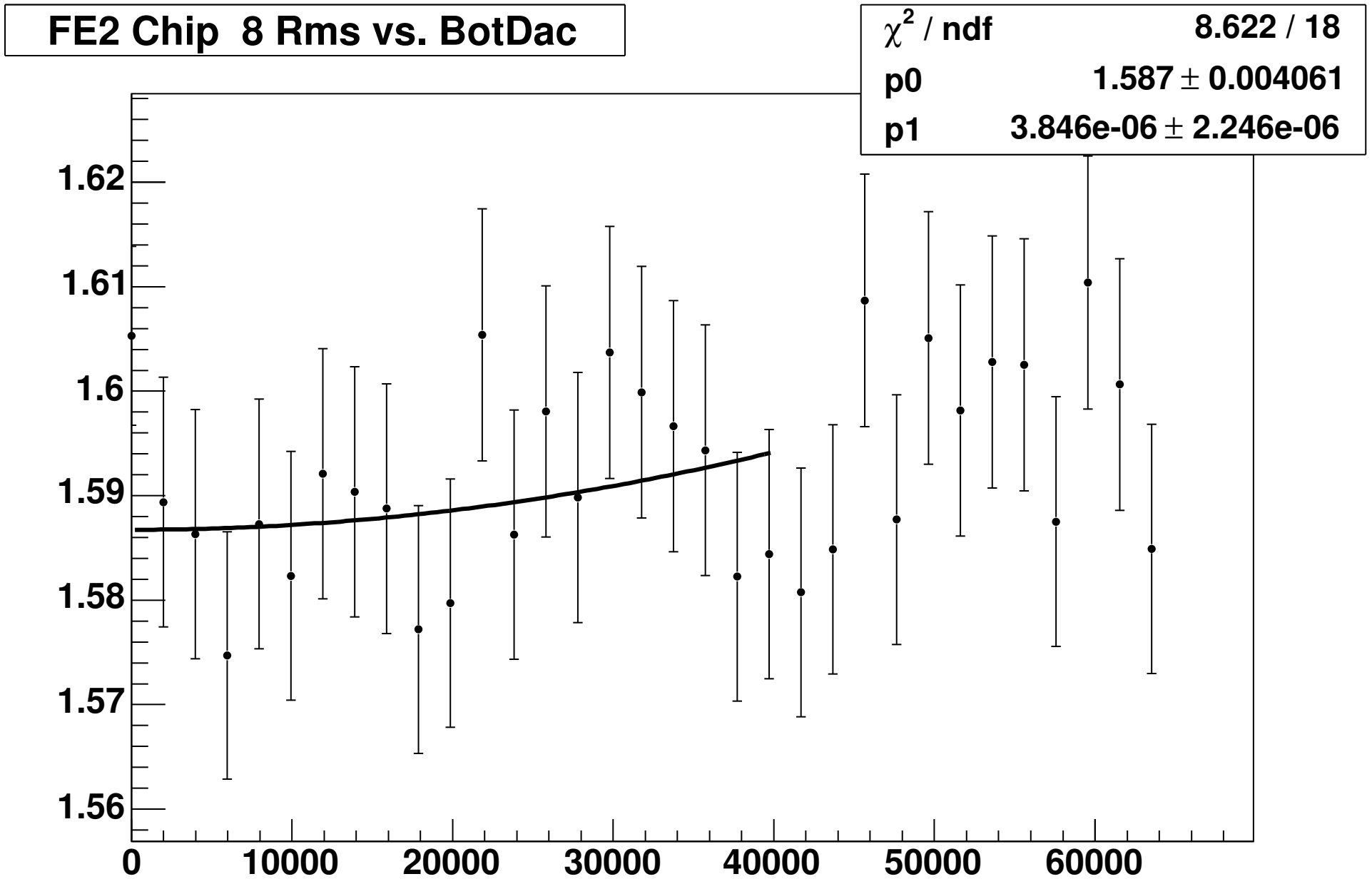

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 127.3 / 18
p0 37.58 ± 0.007254
p1 1.214e-06 ± 3.054e-07
37.8
37.75
37.7
37.65
37.6
37.55
37.5
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 13.2 / 18
p0 1.473 ± 0.003771
p1 3.557e-06 ± 2.095e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 6.712e+04 / 18
p0 37.18 ± 0.007538
p1 0.4502 ± 3.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 713.1 / 18
p0 1.408 ± 0.004077
p1 3.479e-05 ± 2.934e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. BotDac
χ^2 / ndf 123.3 / 18
p0 48.67 ± 0.007819
p1 2.36e-07 ± 3.292e-07
48.85
48.8
48.75
48.7
48.65
48.6
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 8.622 / 18
p0 1.587 ± 0.004061
p1 3.846e-06 ± 2.246e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
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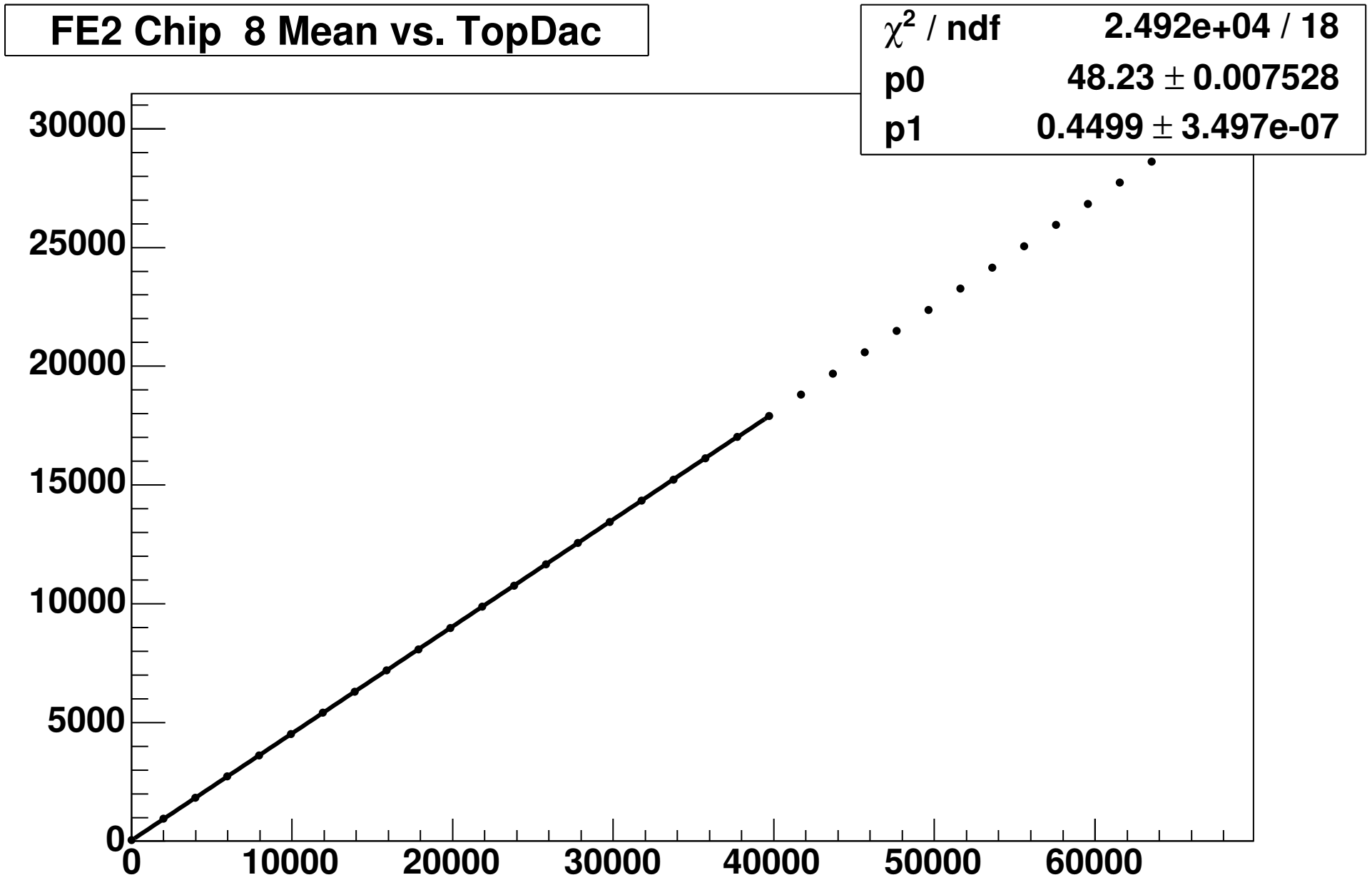
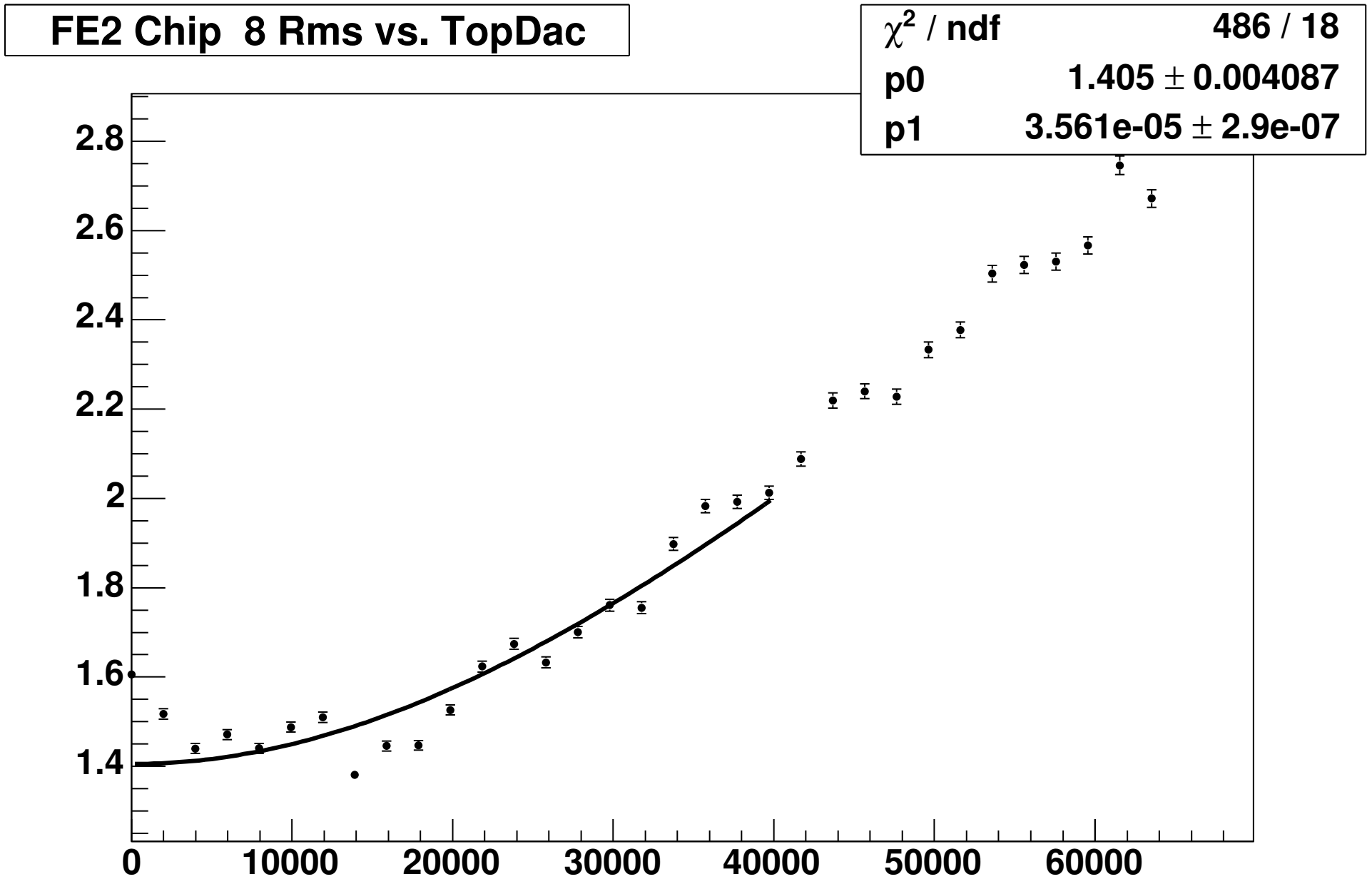
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 2.492e+04 / 18
p0 48.23 ± 0.007528
p1 0.4499 ± 3.497e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 486 / 18
p0 1.405 ± 0.004087
p1 3.561e-05 ± 2.9e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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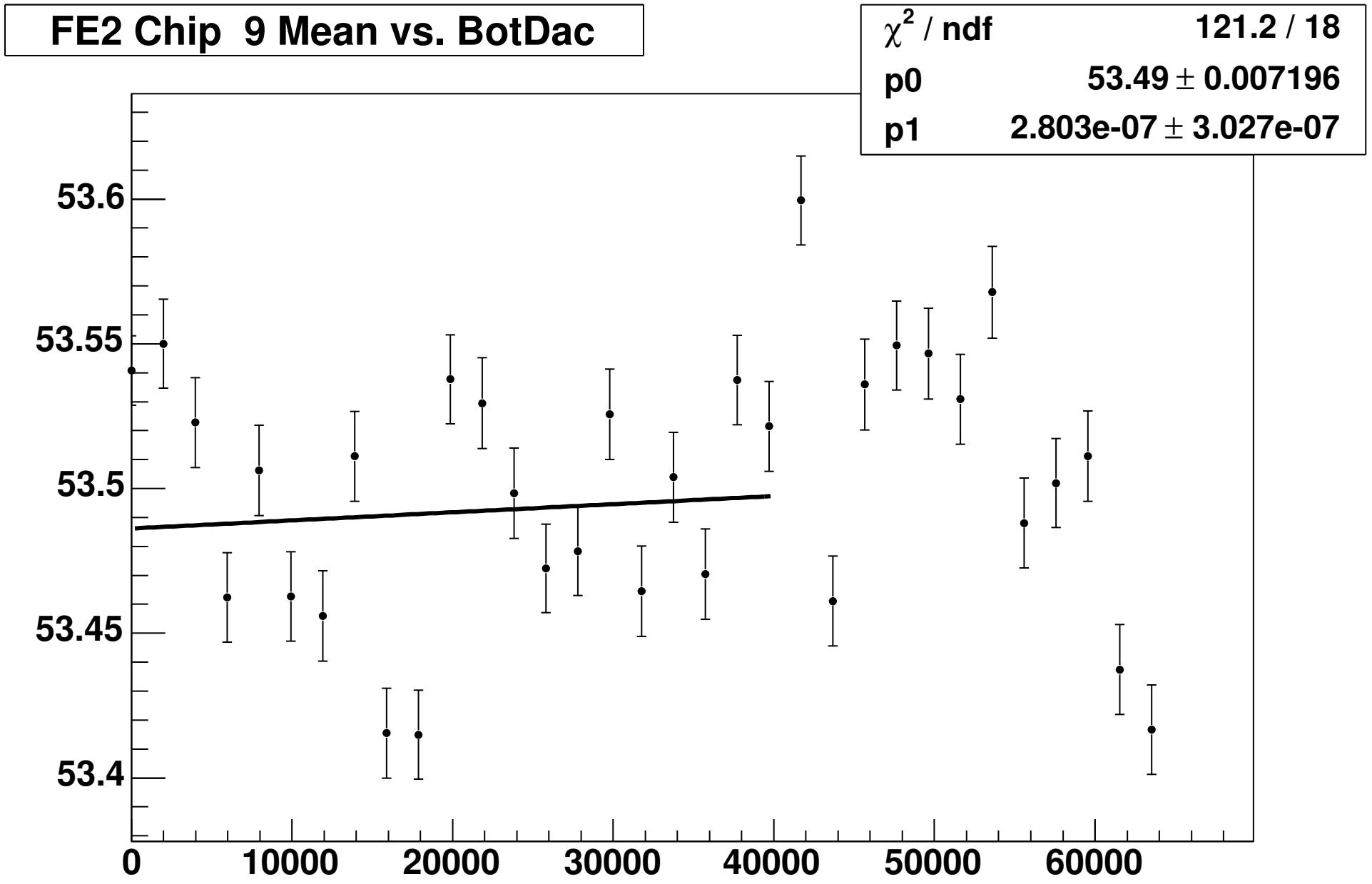
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 121.2 / 18
p0 53.49 ± 0.007196
p1 2.803e-07 ± 3.027e-07
53.6
53.55
53.5
53.45
53.4
0
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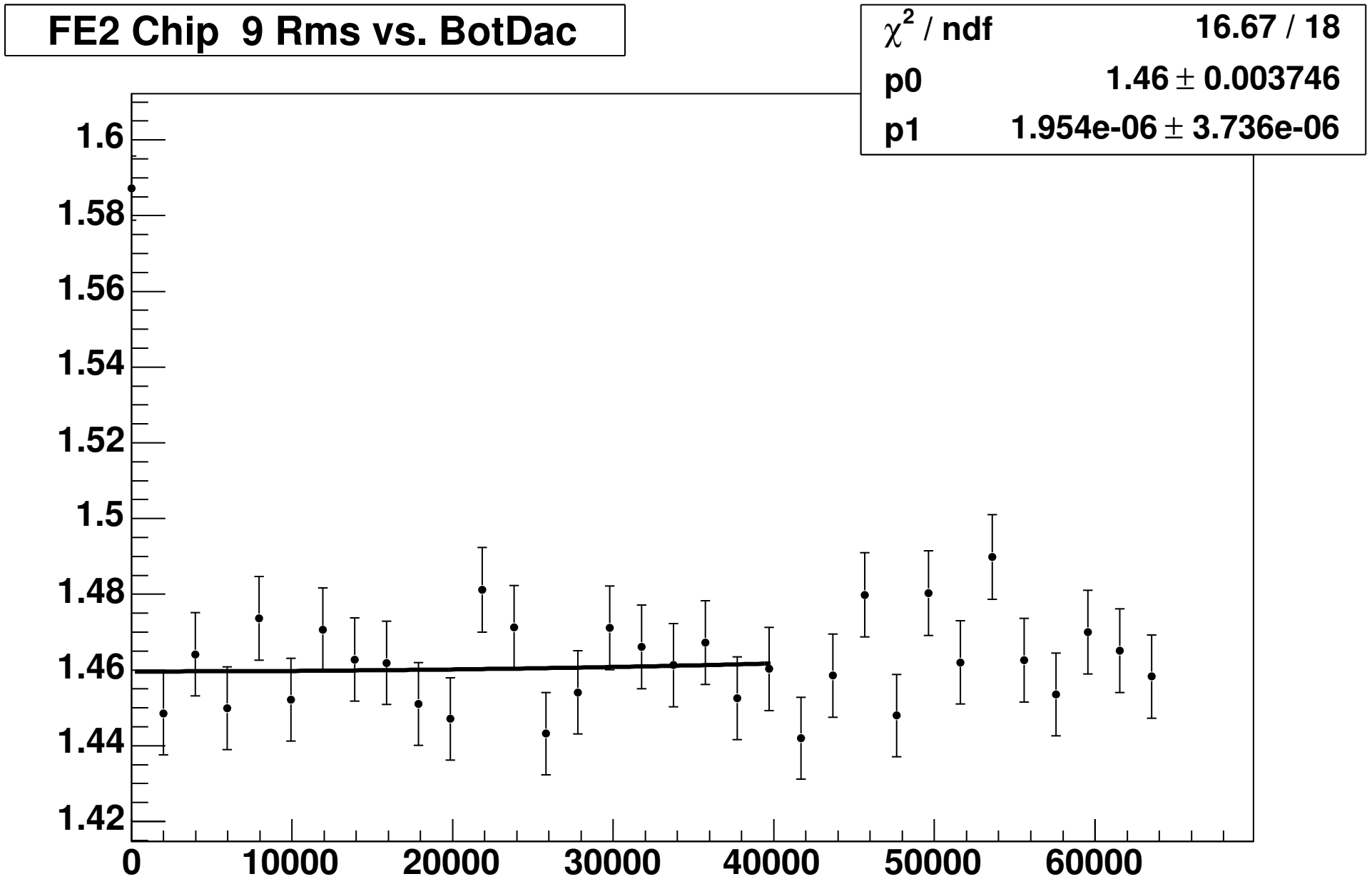
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 16.67 / 18
p0 1.46 ± 0.003746
p1 1.954e-06 ± 3.736e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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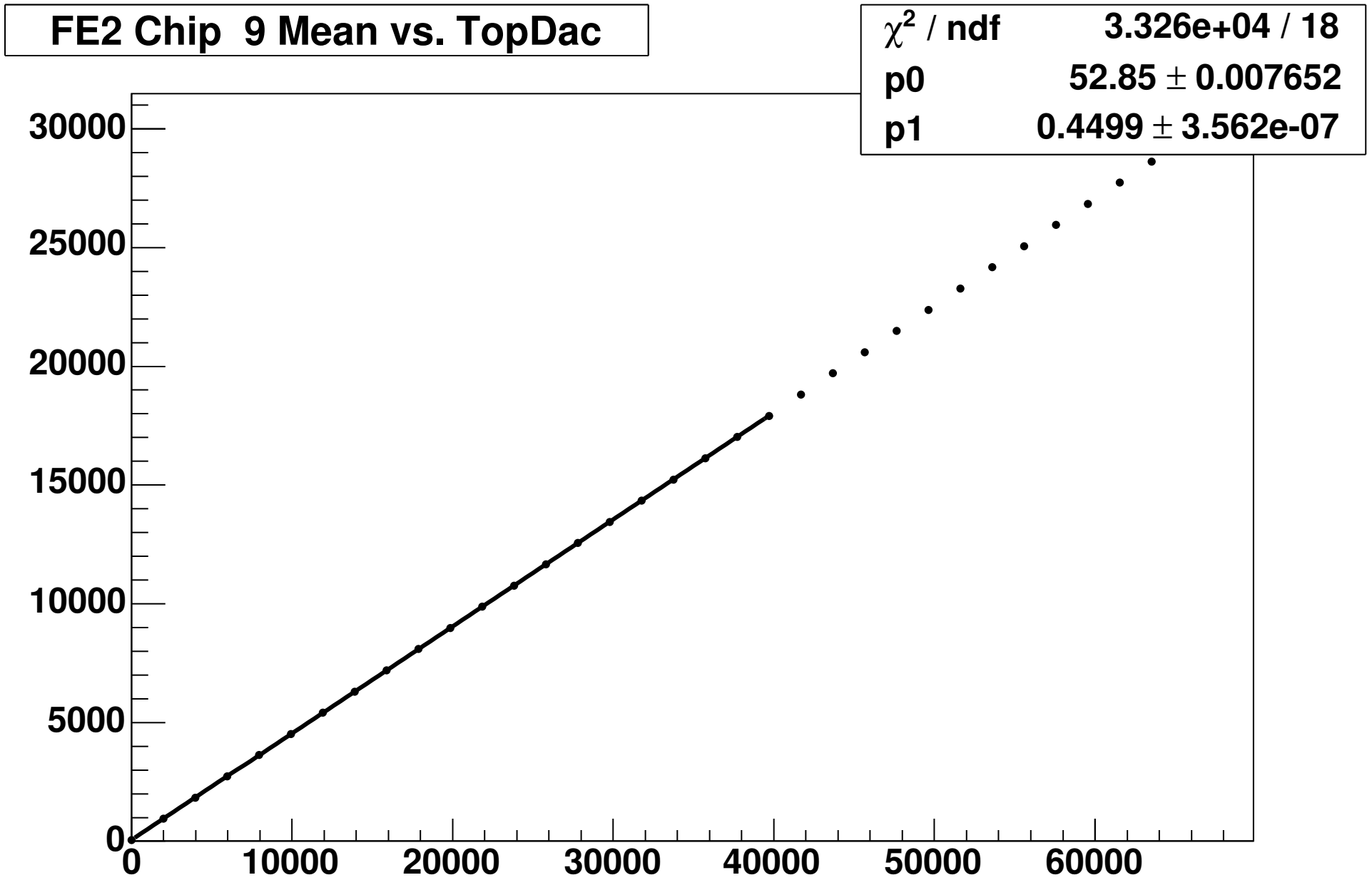
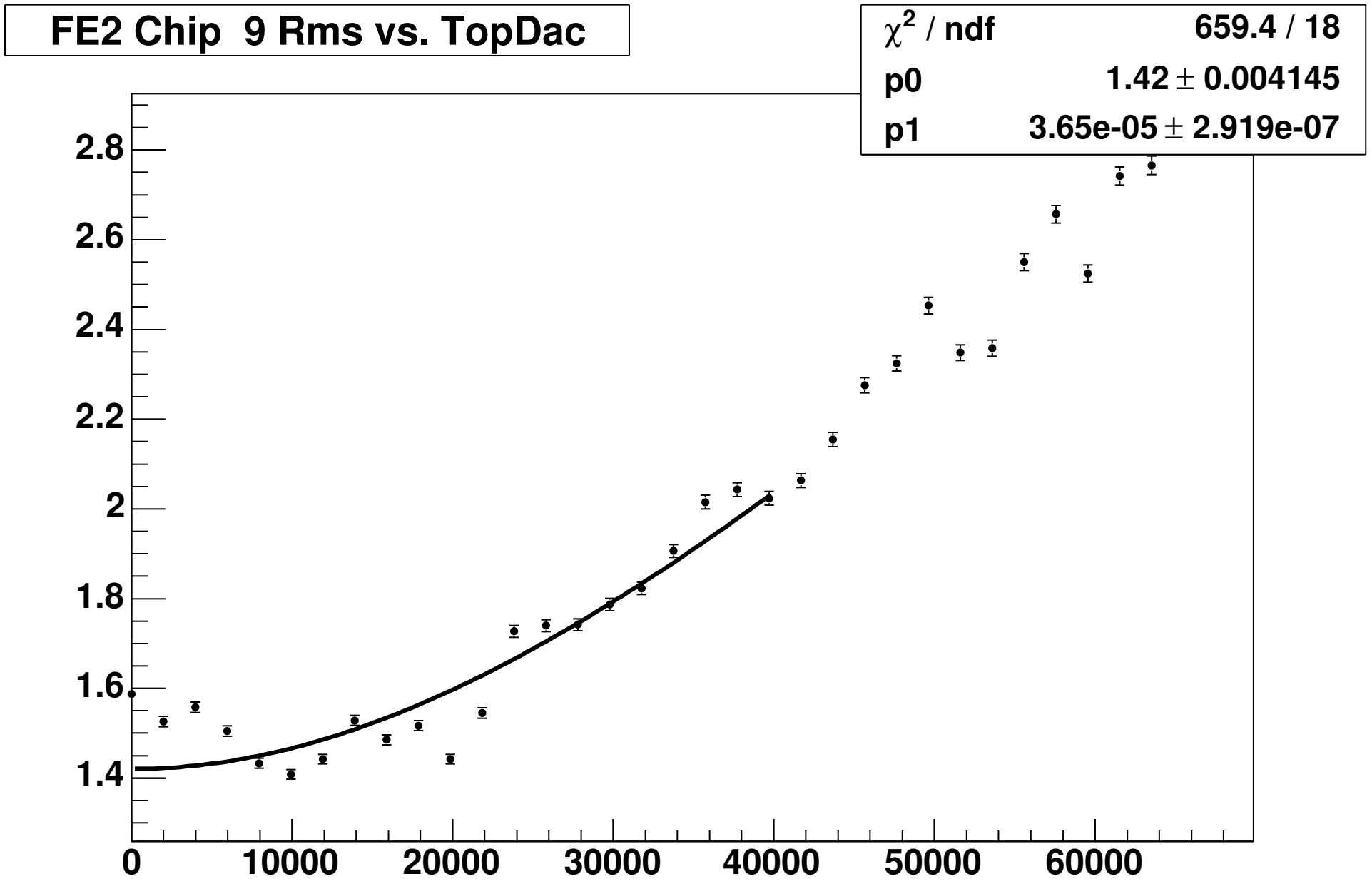
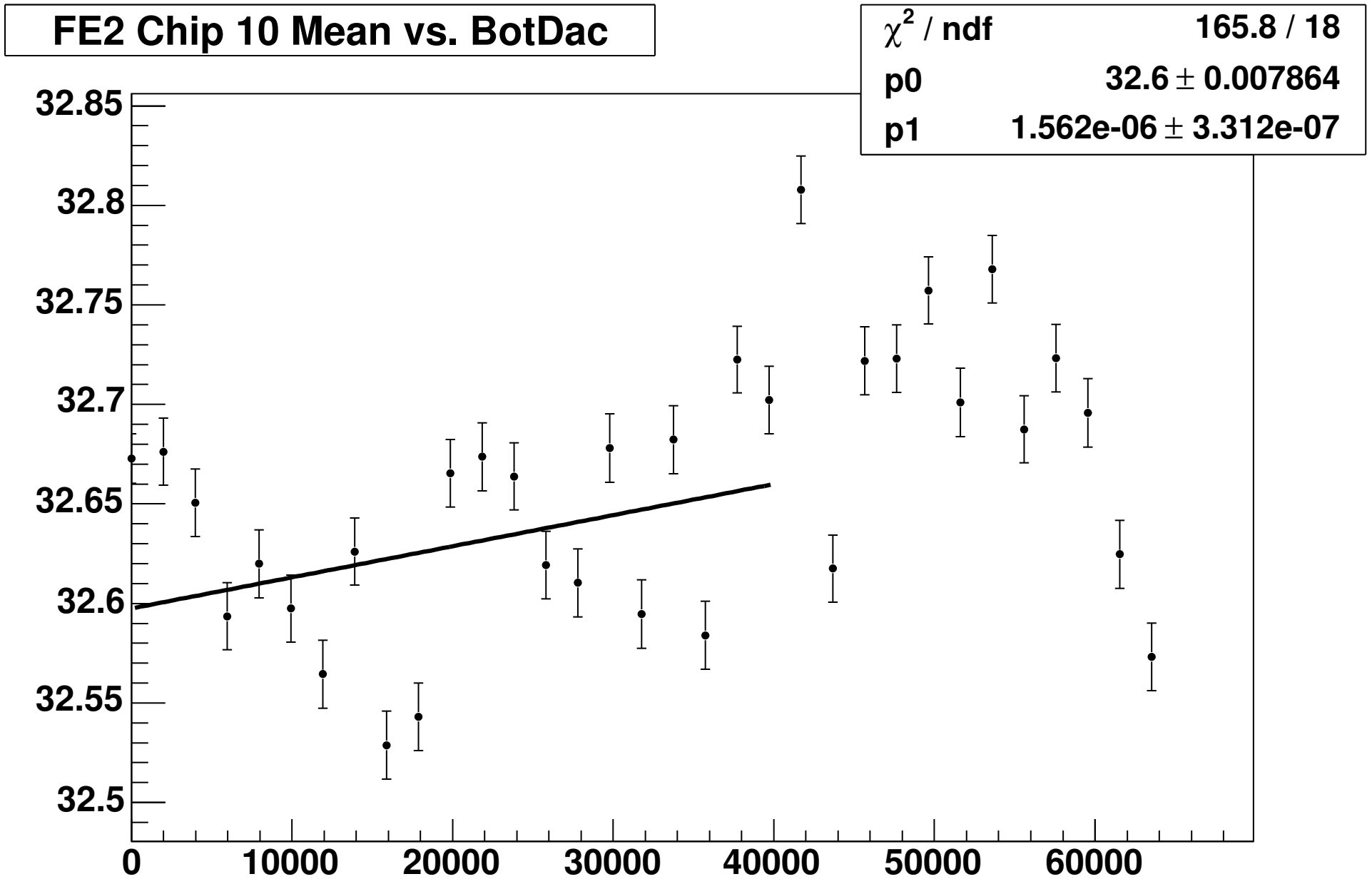
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.326e+04 / 18
p0 52.85 ± 0.007652
p1 0.4499 ± 3.562e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 659.4 / 18
p0 1.42 ± 0.004145
p1 3.65e-05 ± 2.919e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 165.8 / 18
p0 32.6 ± 0.007864
p1 1.562e-06 ± 3.312e-07
32.85
32.8
32.75
32.7
32.65
32.6
32.55
32.5
0
10000
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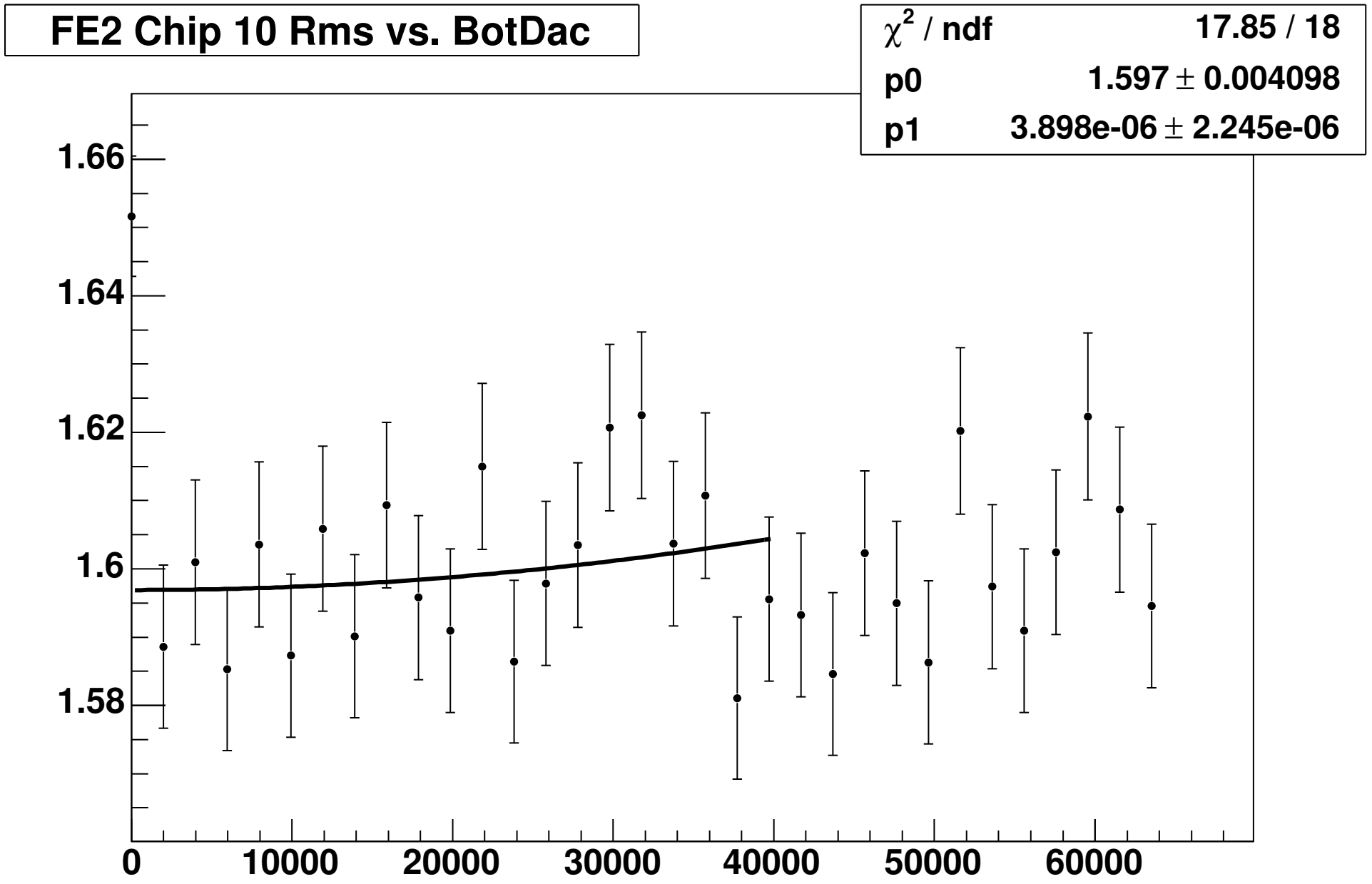
30000
40000
50000
60000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 17.85 / 18
p0 1.597 ± 0.004098
p1 3.898e-06 ± 2.245e-06
1.66
1.64
1.62
1.6
1.58
0
10000
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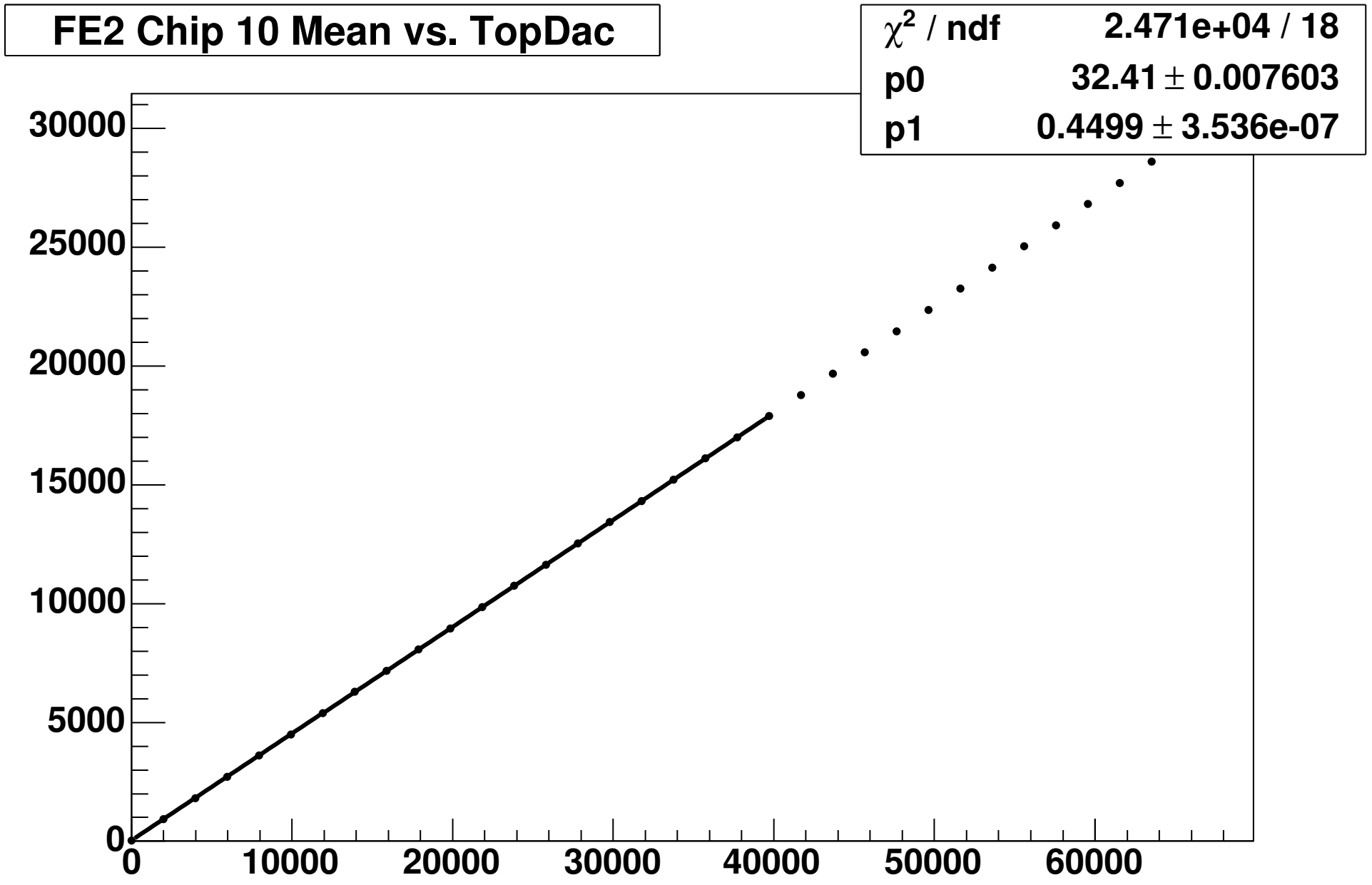
30000
40000
50000
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 2.471e+04 / 18
p0 32.41 ± 0.007603
p1 0.4499 ± 3.536e-07
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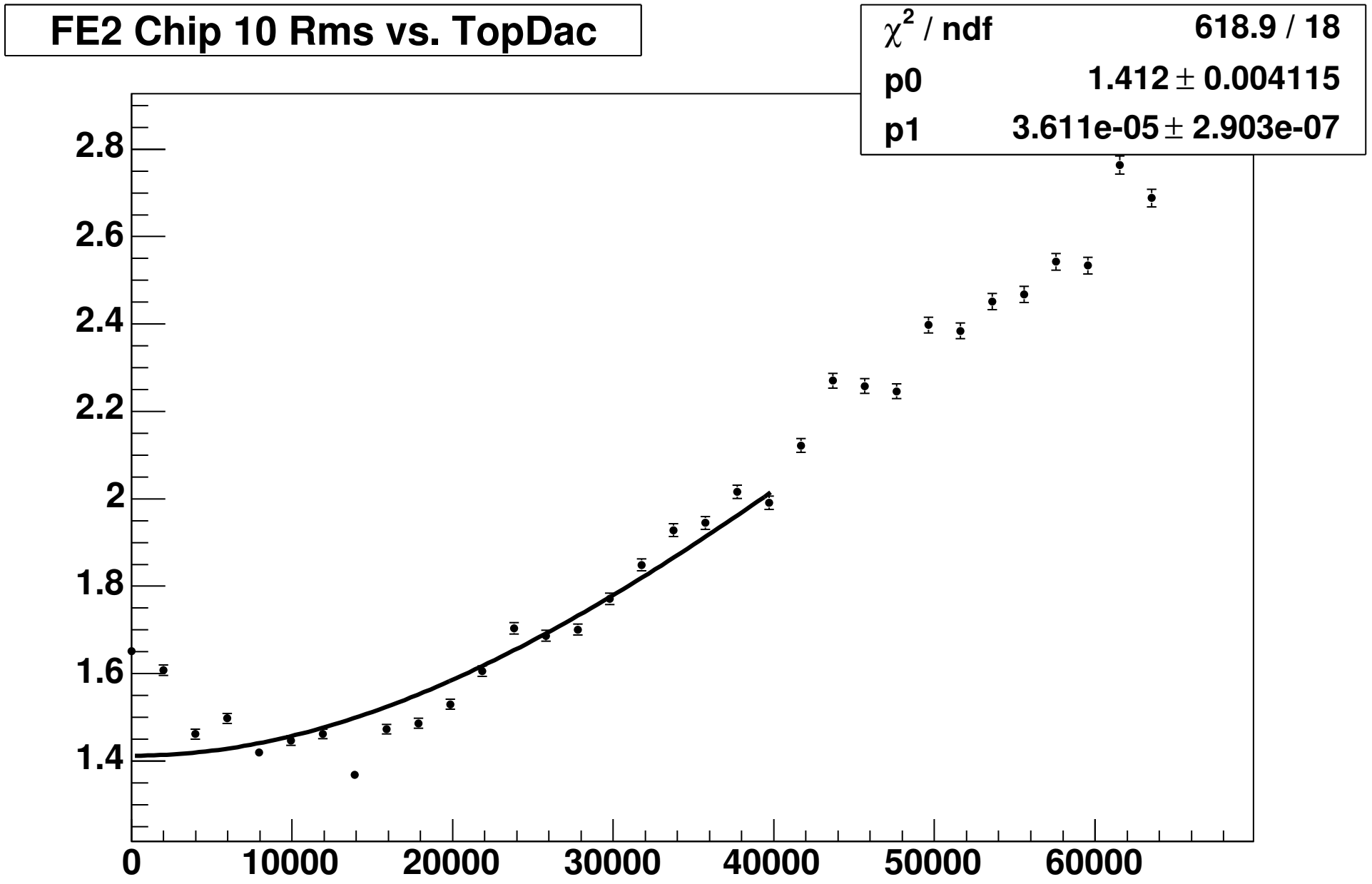
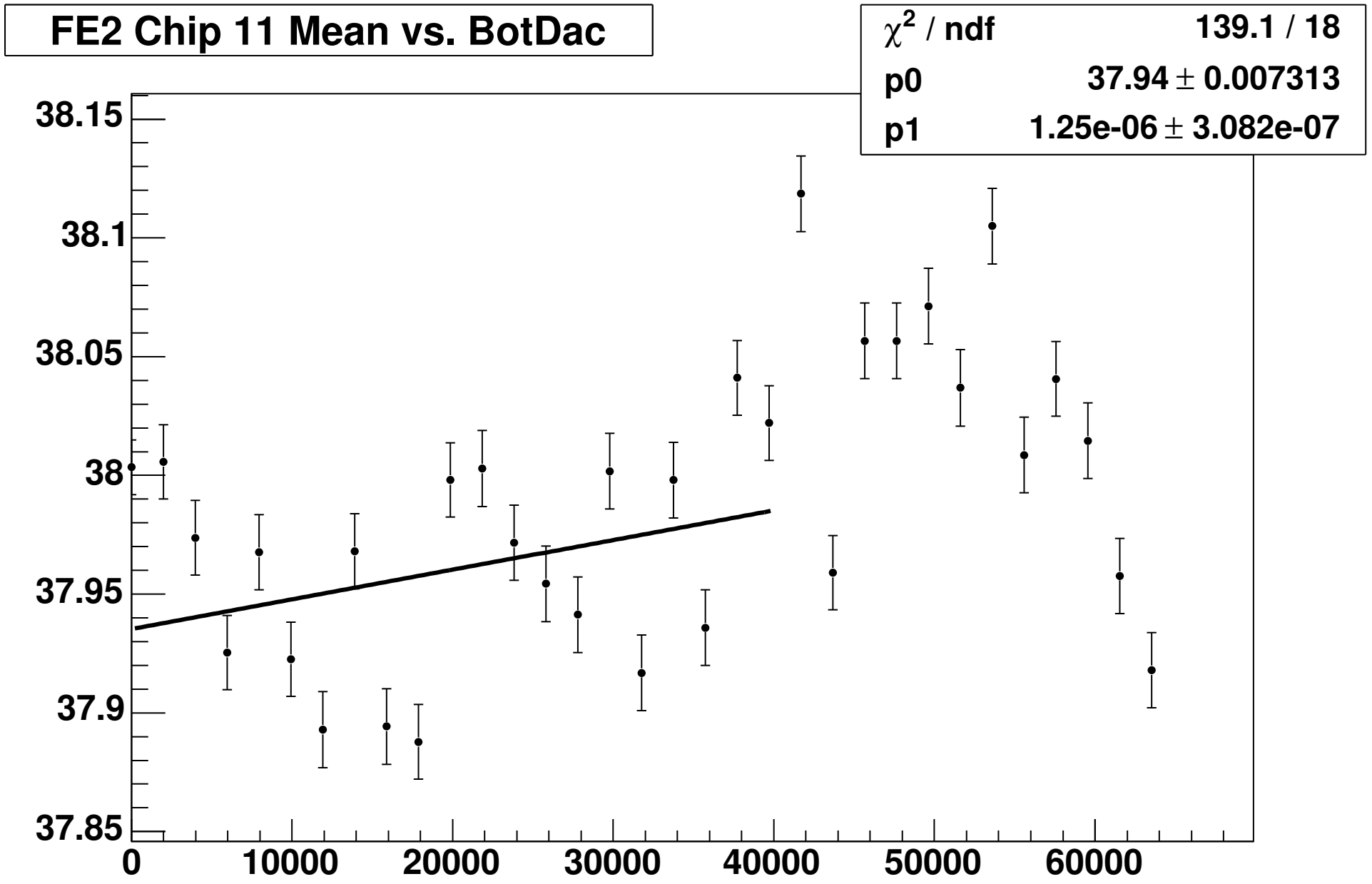
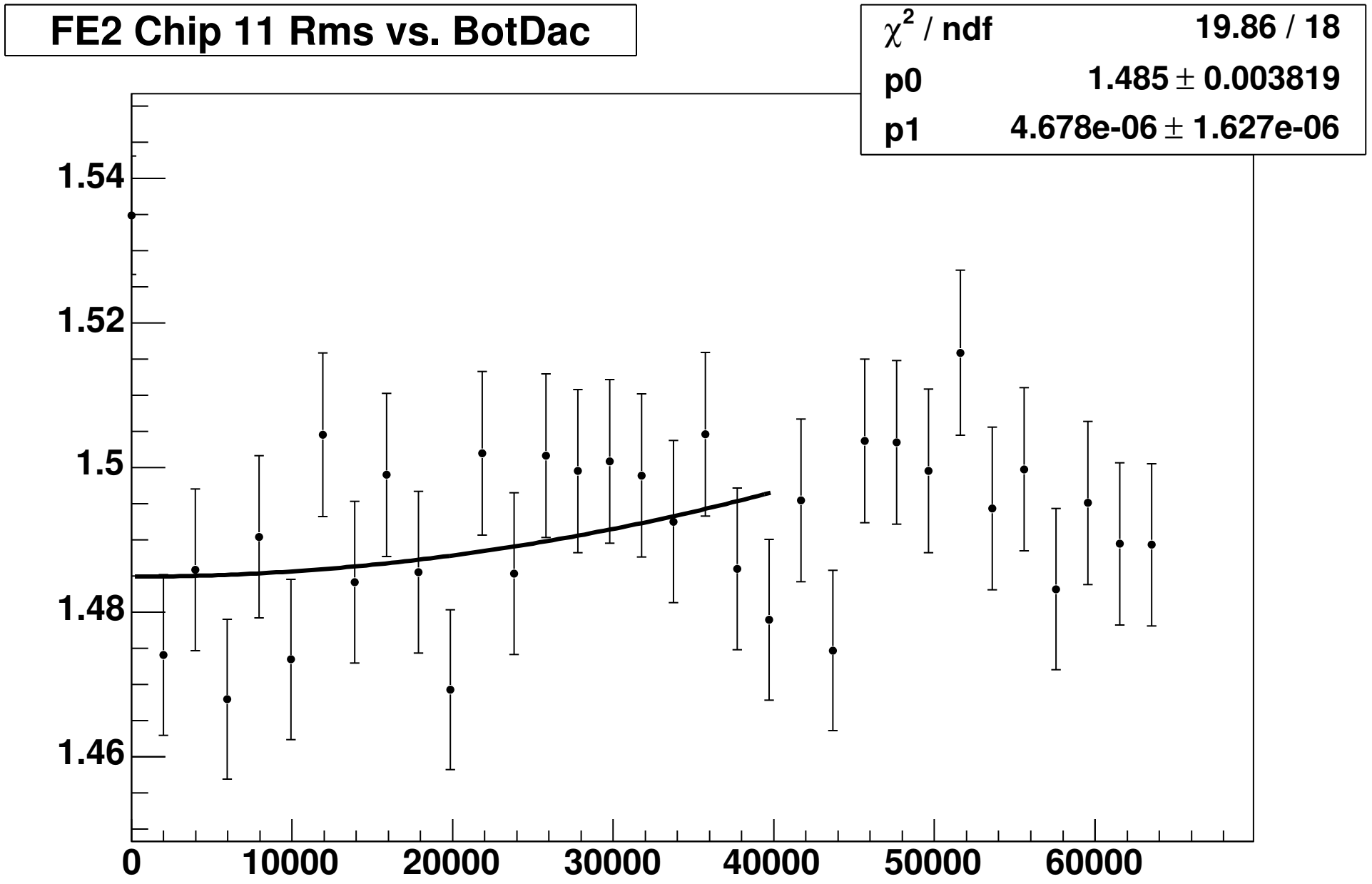
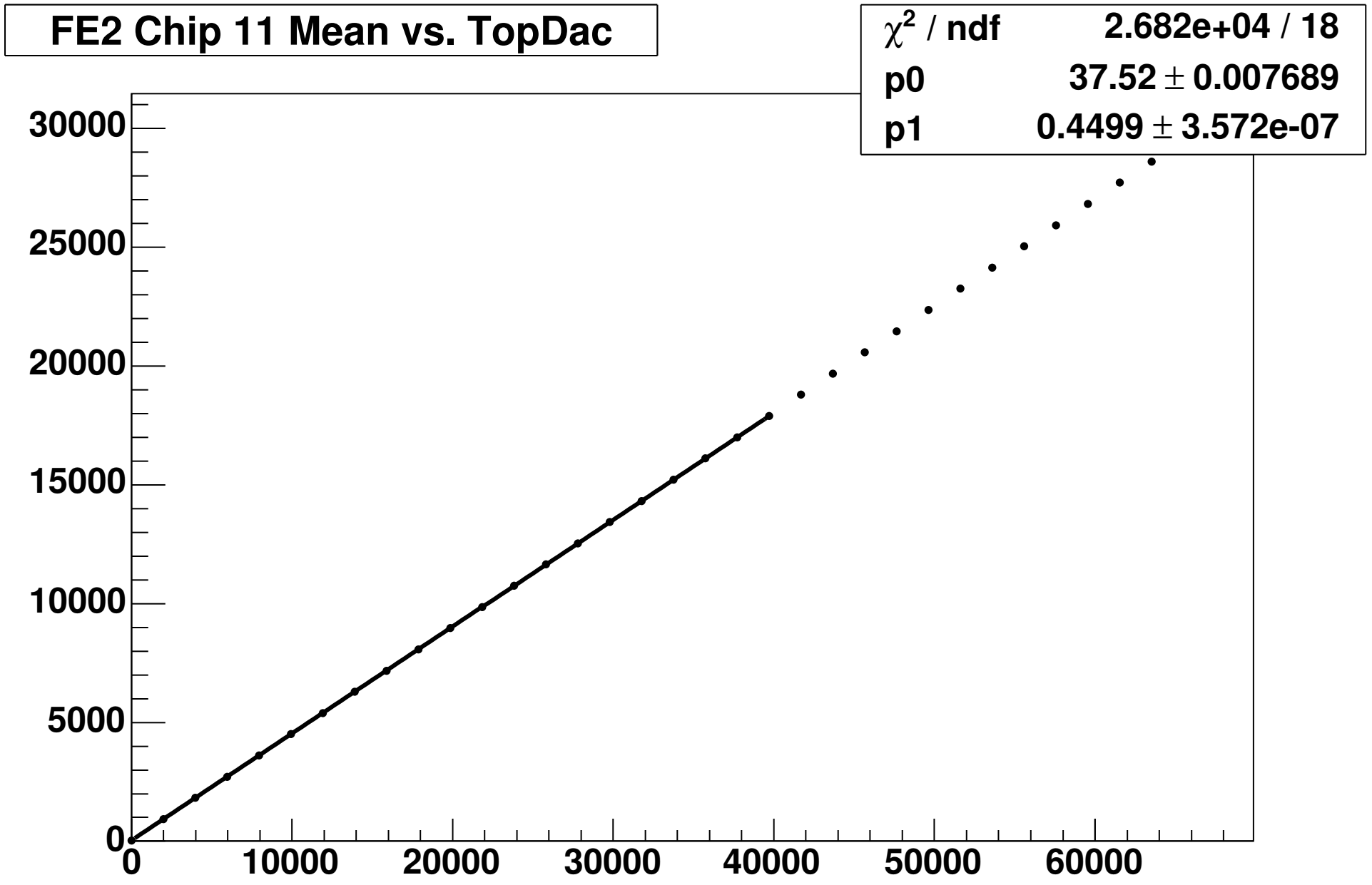
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 618.9 / 18
p0 1.412 ± 0.004115
p1 3.611e-05 ± 2.903e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 139.1 / 18
p0 37.94 ± 0.007313
p1 1.25e-06 ± 3.082e-07
38.15
38.1
38.05
38
37.95
37.9
37.85
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 19.86 / 18
p0 1.485 ± 0.003819
p1 4.678e-06 ± 1.627e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 2.682e+04 / 18
p0 37.52 ± 0.007689
p1 0.4499 ± 3.572e-07
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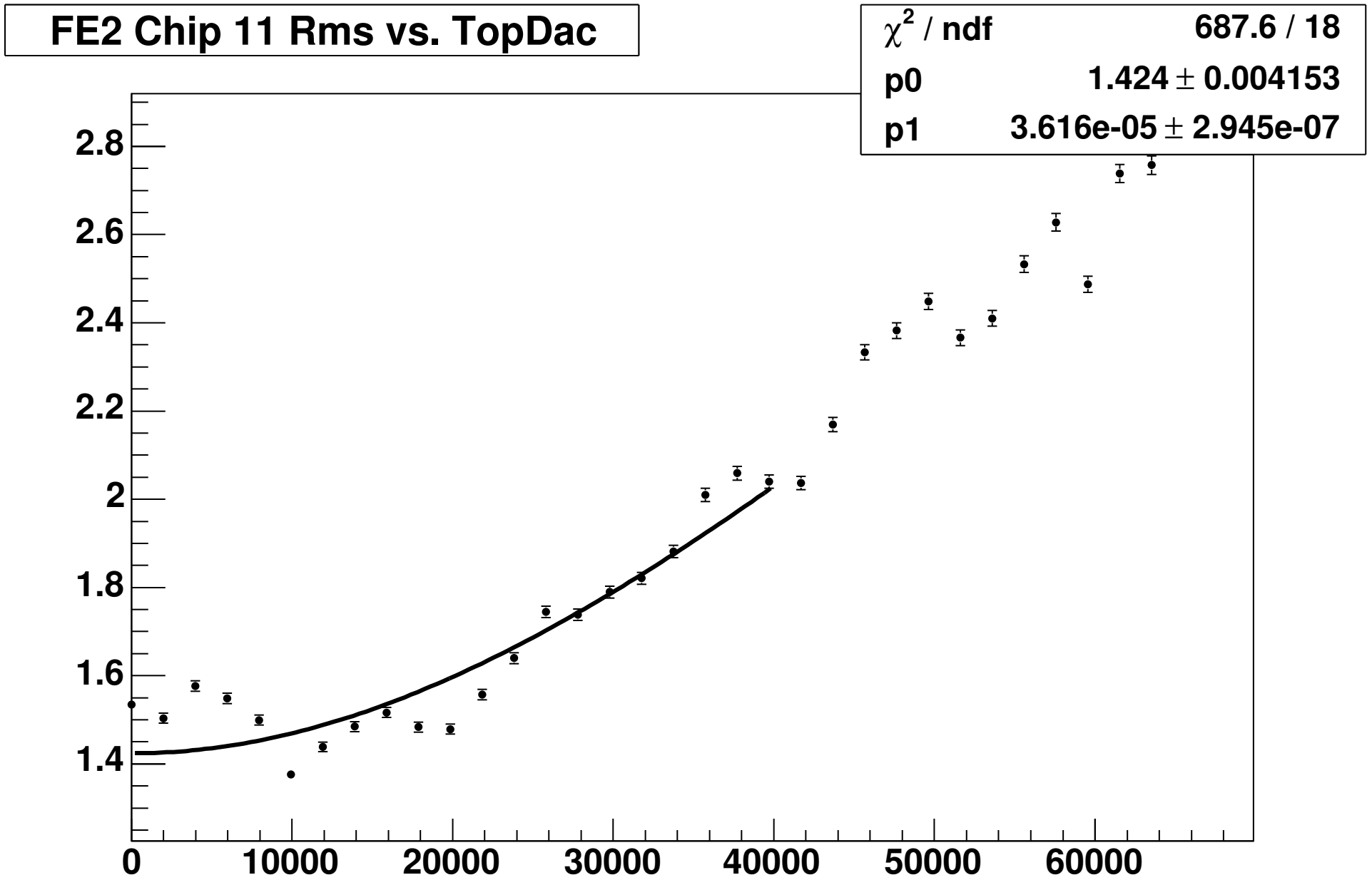
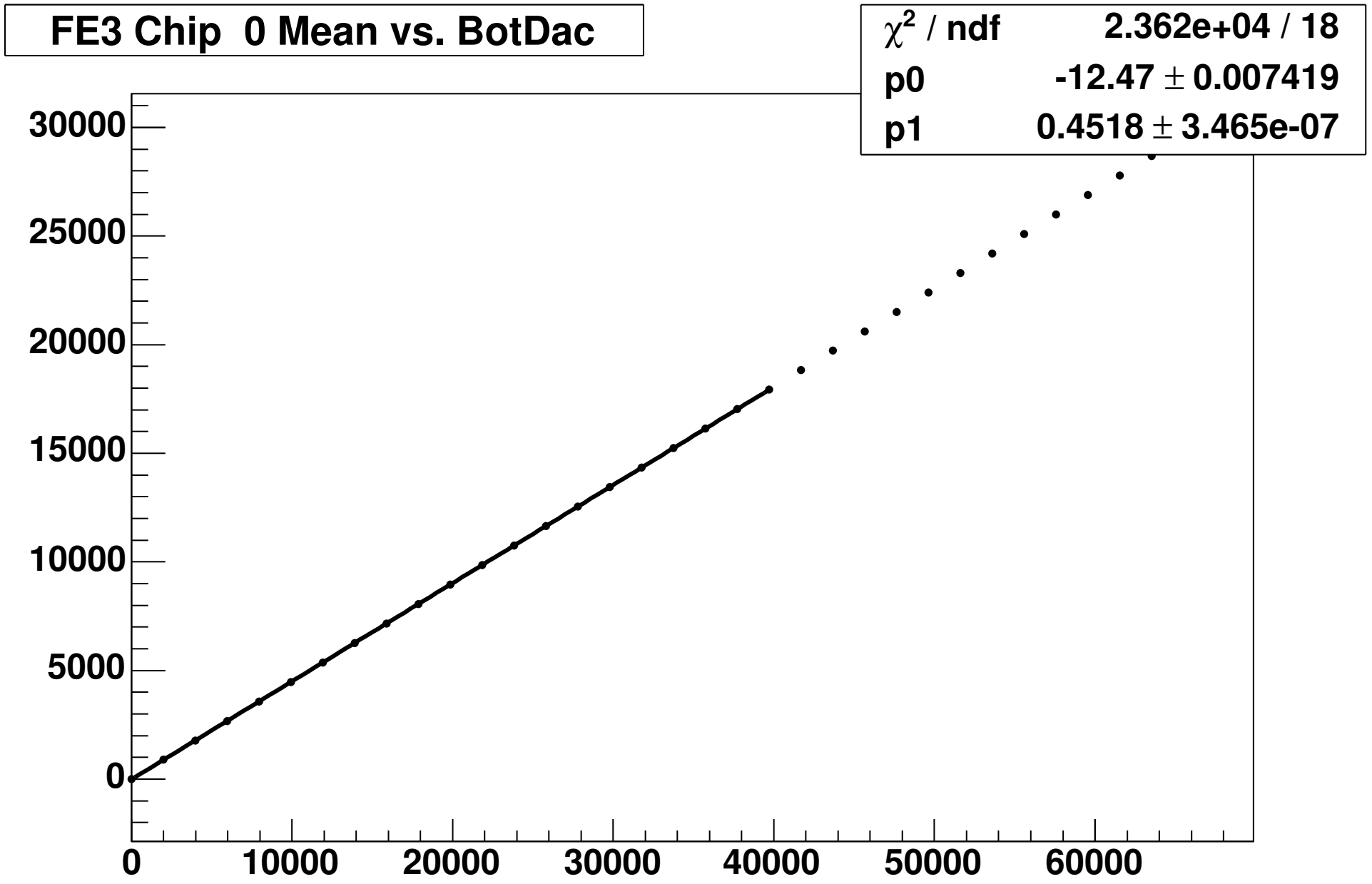
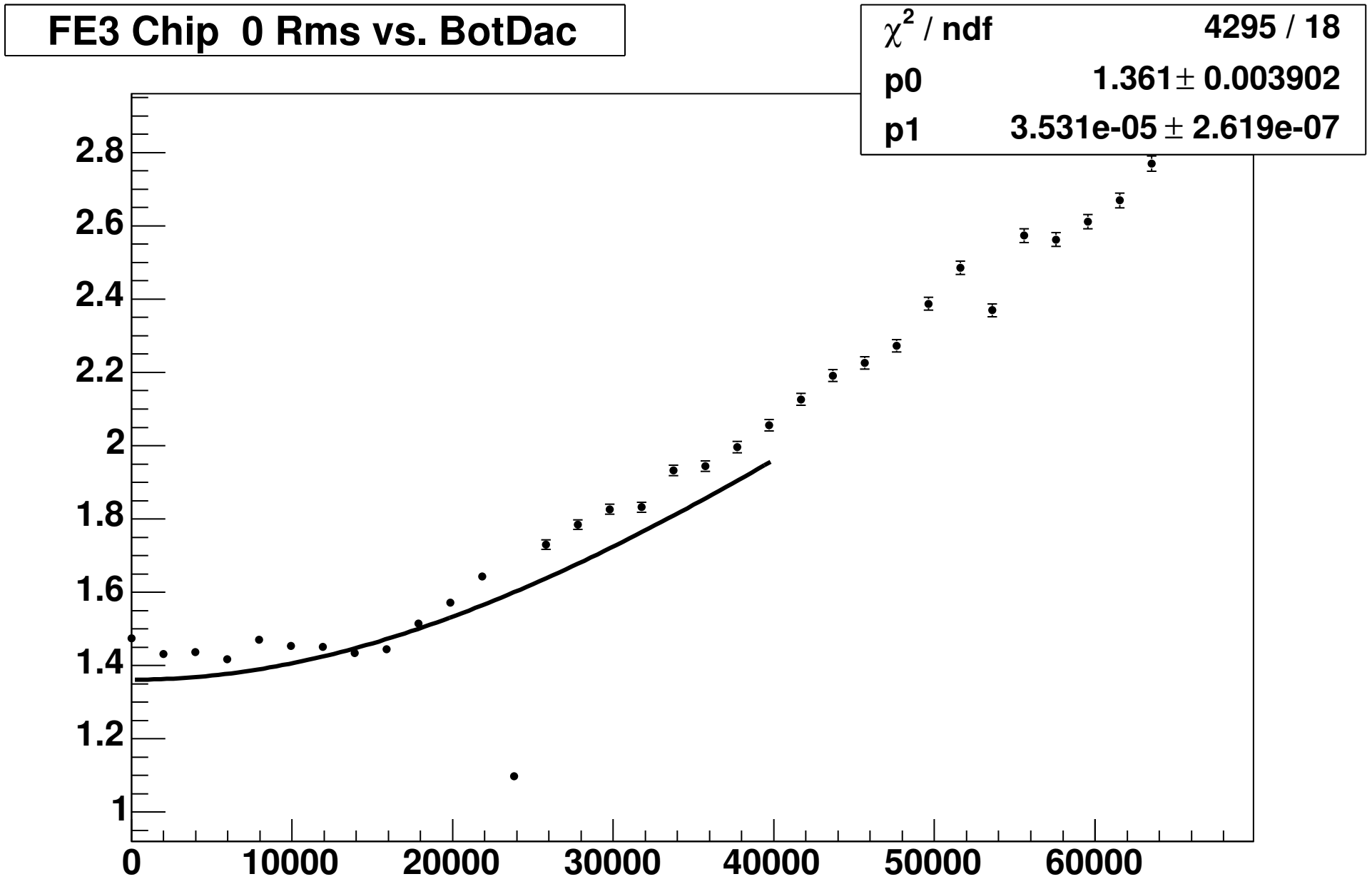
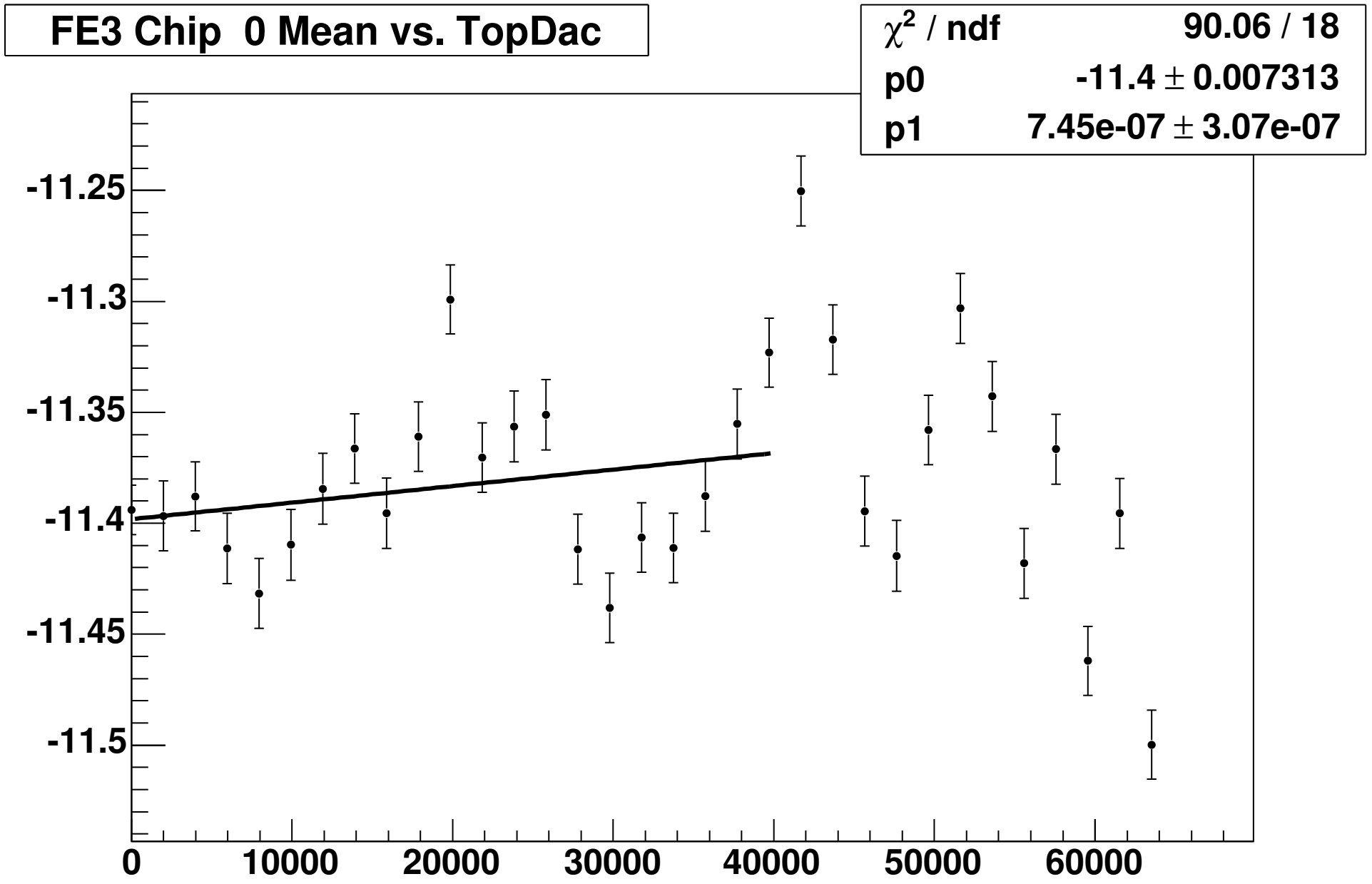
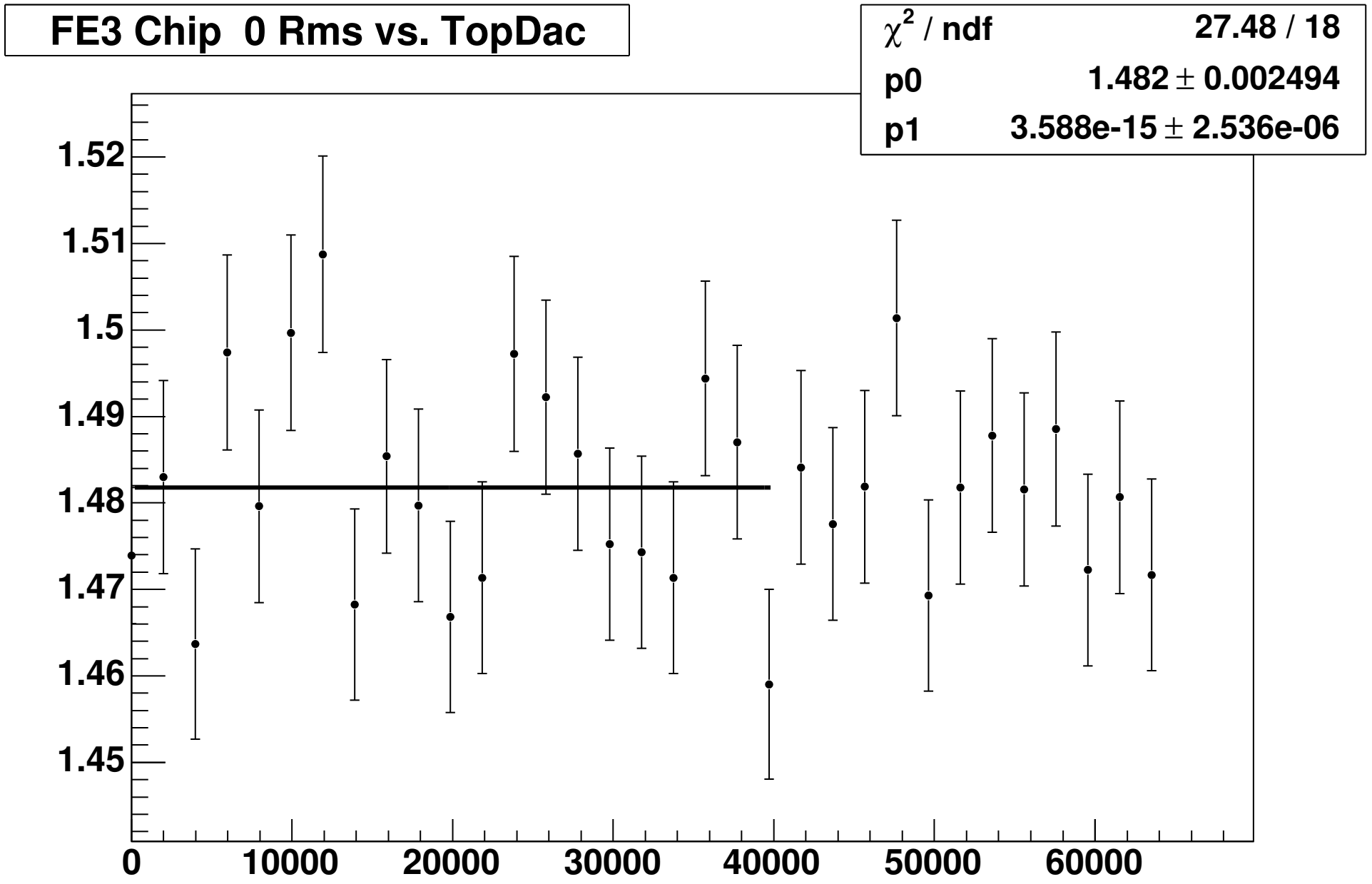
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

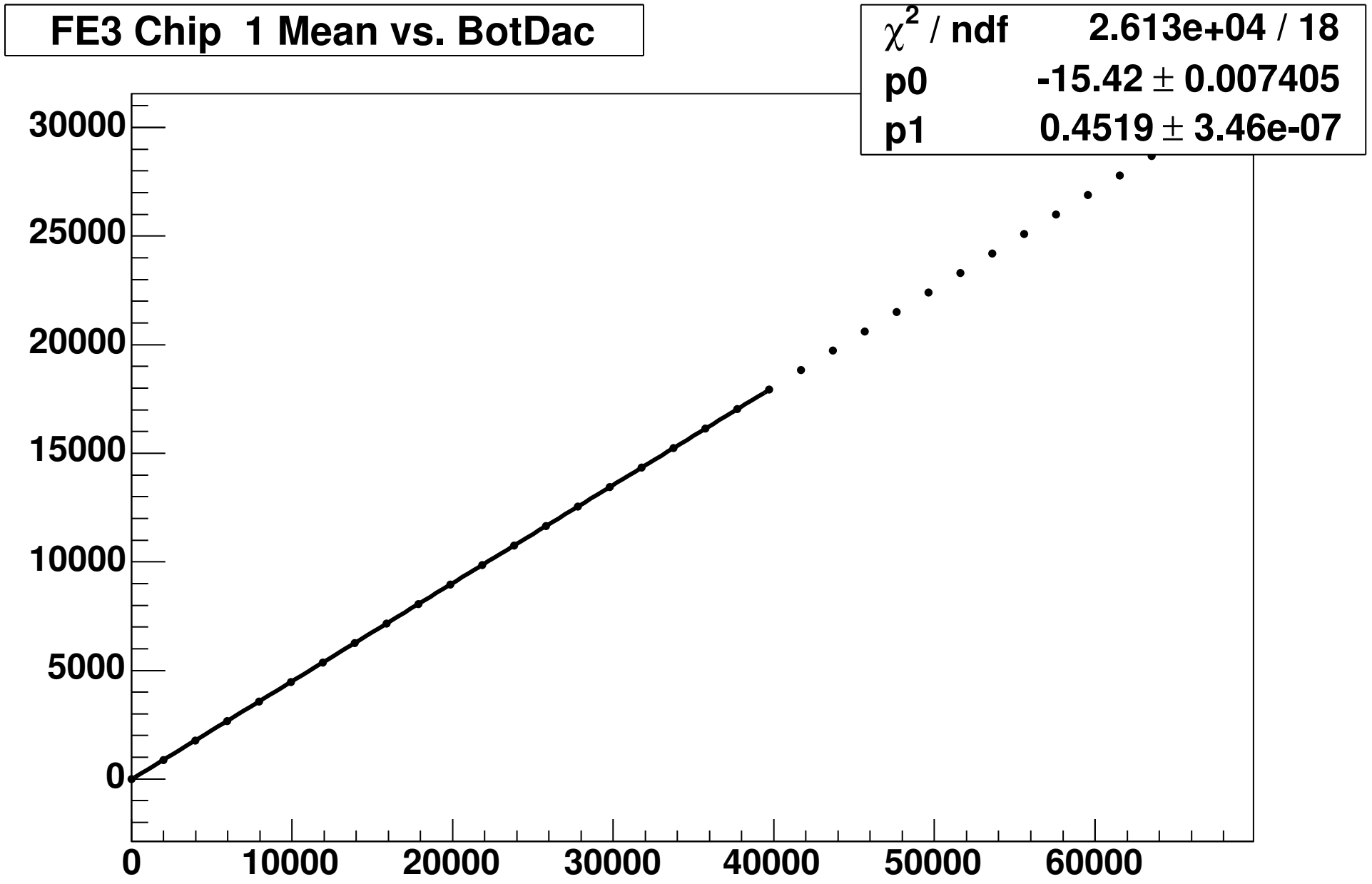

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 687.6 / 18
p0 1.424 ± 0.004153
p1 3.616e-05 ± 2.945e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

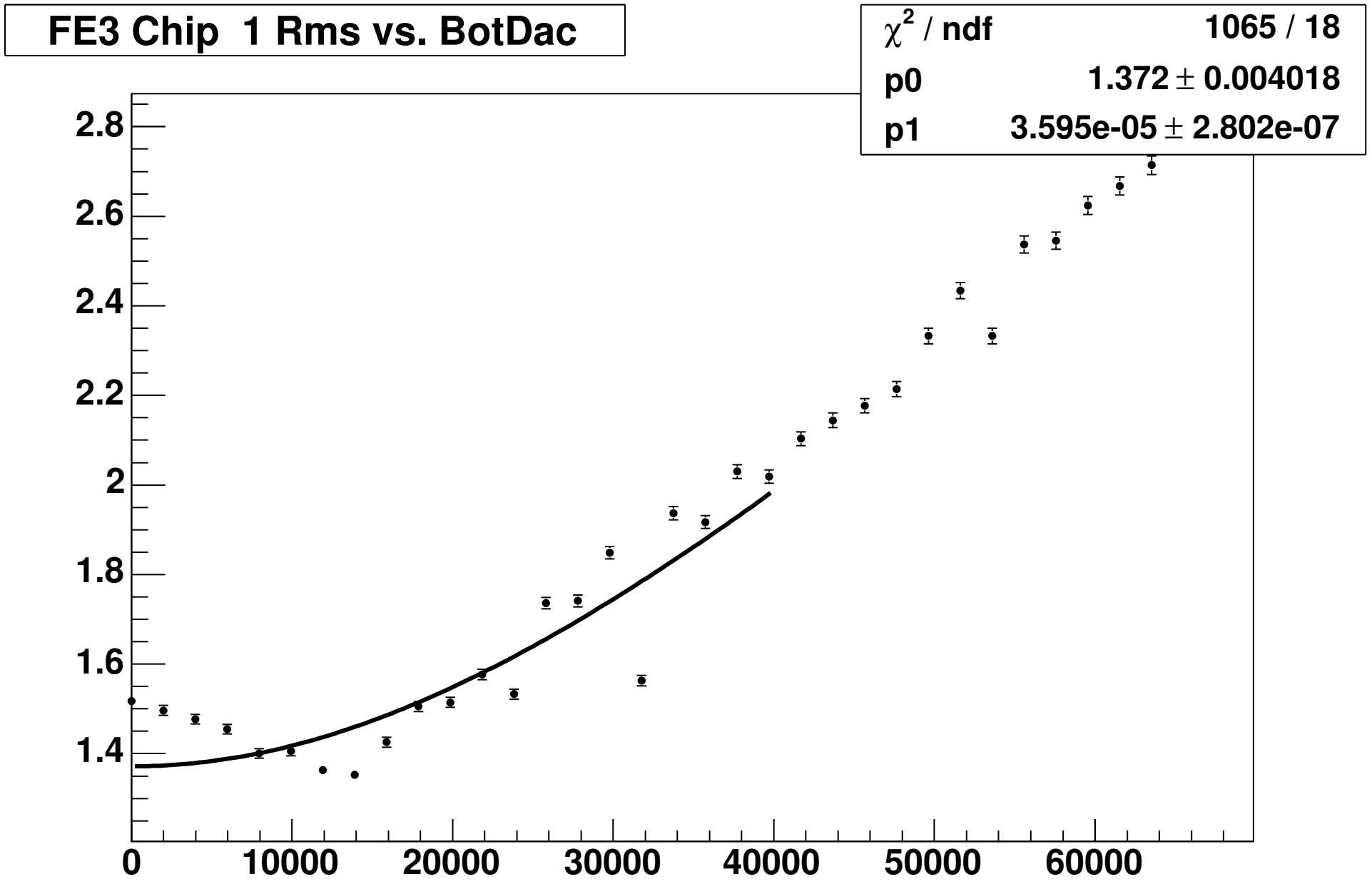

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 2.362e+04 / 18
p0 -12.47 ± 0.007419
p1 0.4518 ± 3.465e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

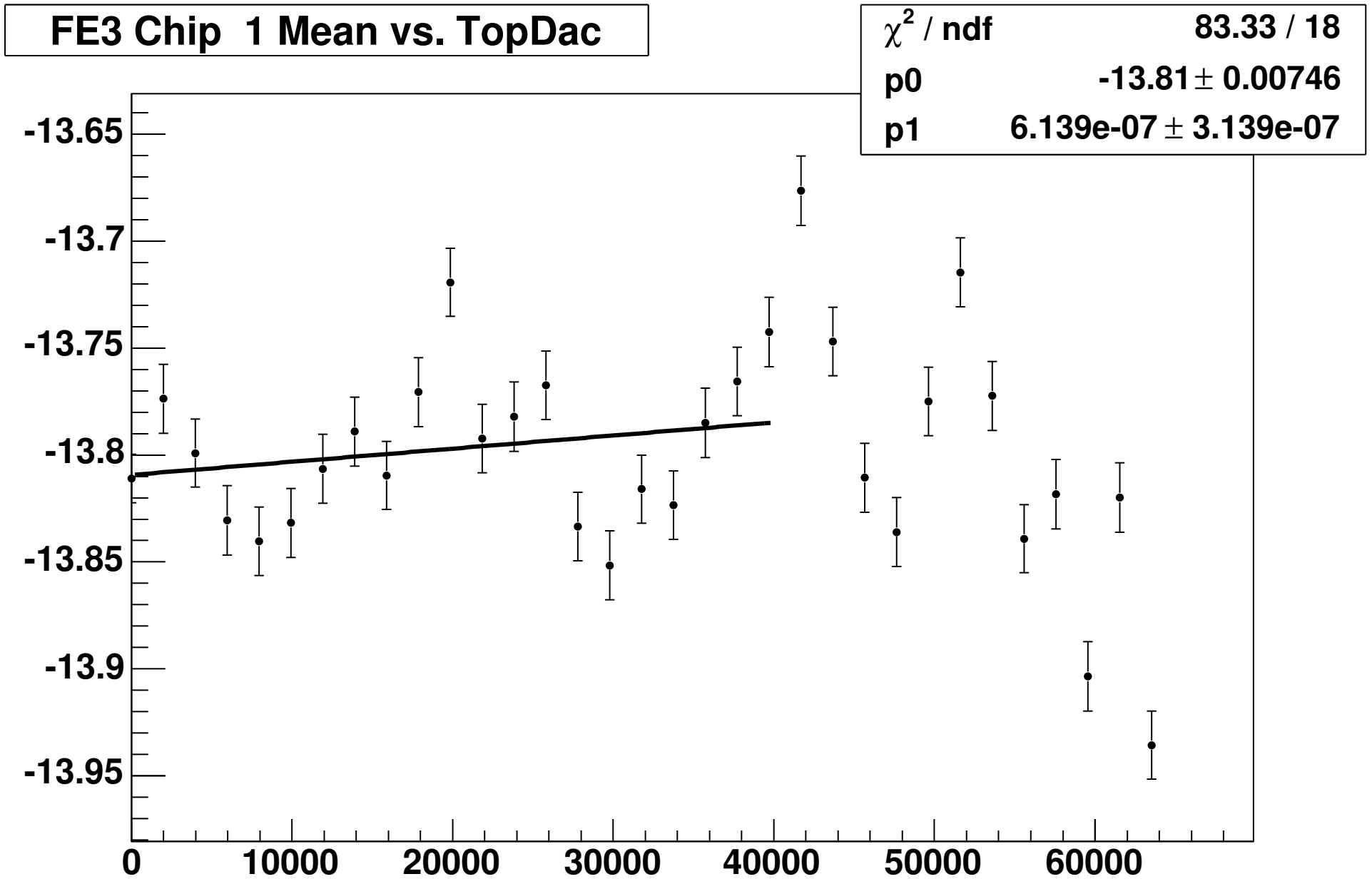

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 4295 / 18
p0 1.361 ± 0.003902
p1 3.531e-05 ± 2.619e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000

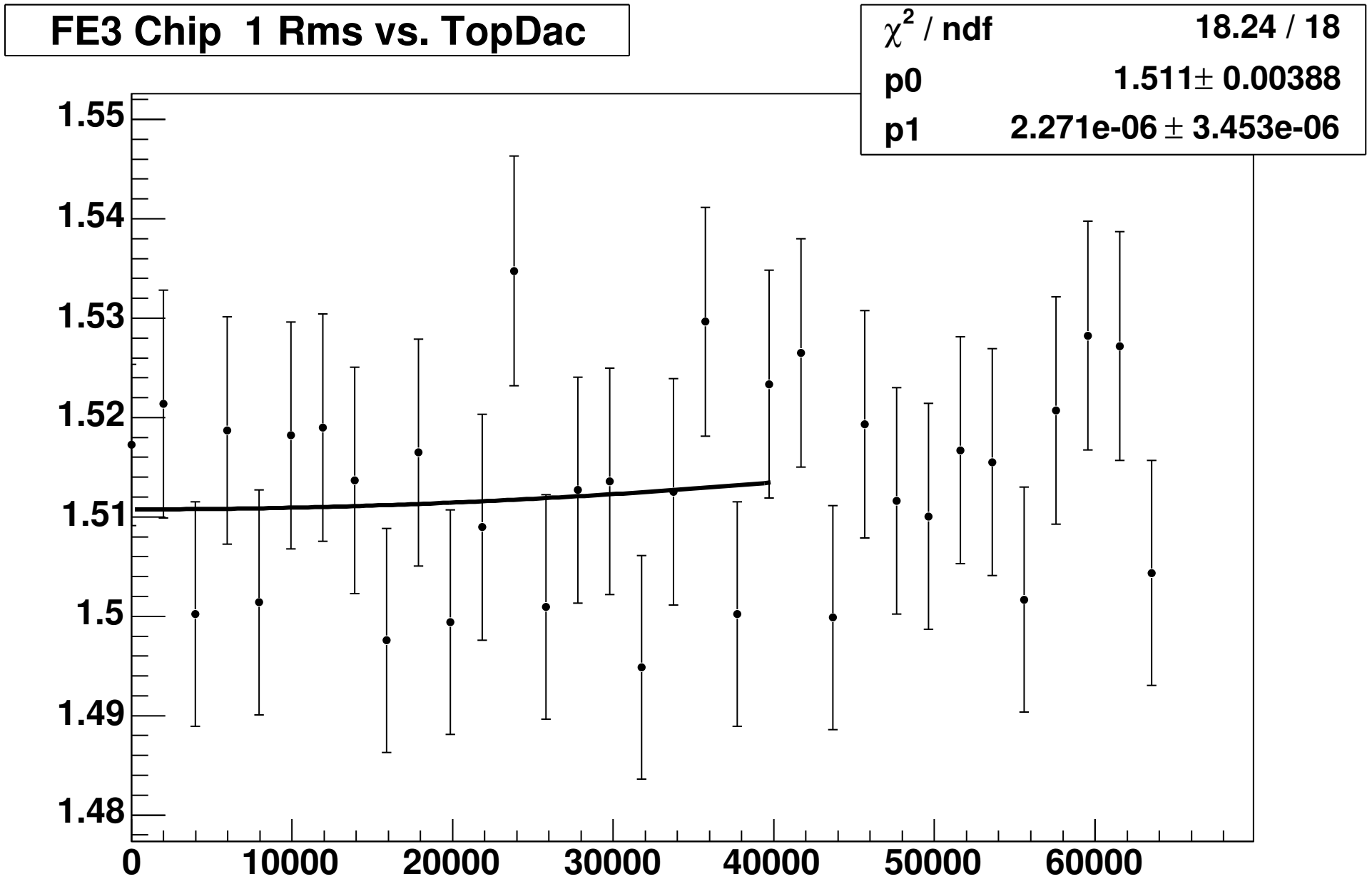

FE3 Chip 0 Mean vs. TopDac
χ^2 / ndf 90.06 / 18
p0 -11.4 ± 0.007313
p1 7.45e-07 ± 3.07e-07
-11.25
-11.3
-11.35
-11.4
-11.45
-11.5
0
10000
20000
30000
40000
50000
60000

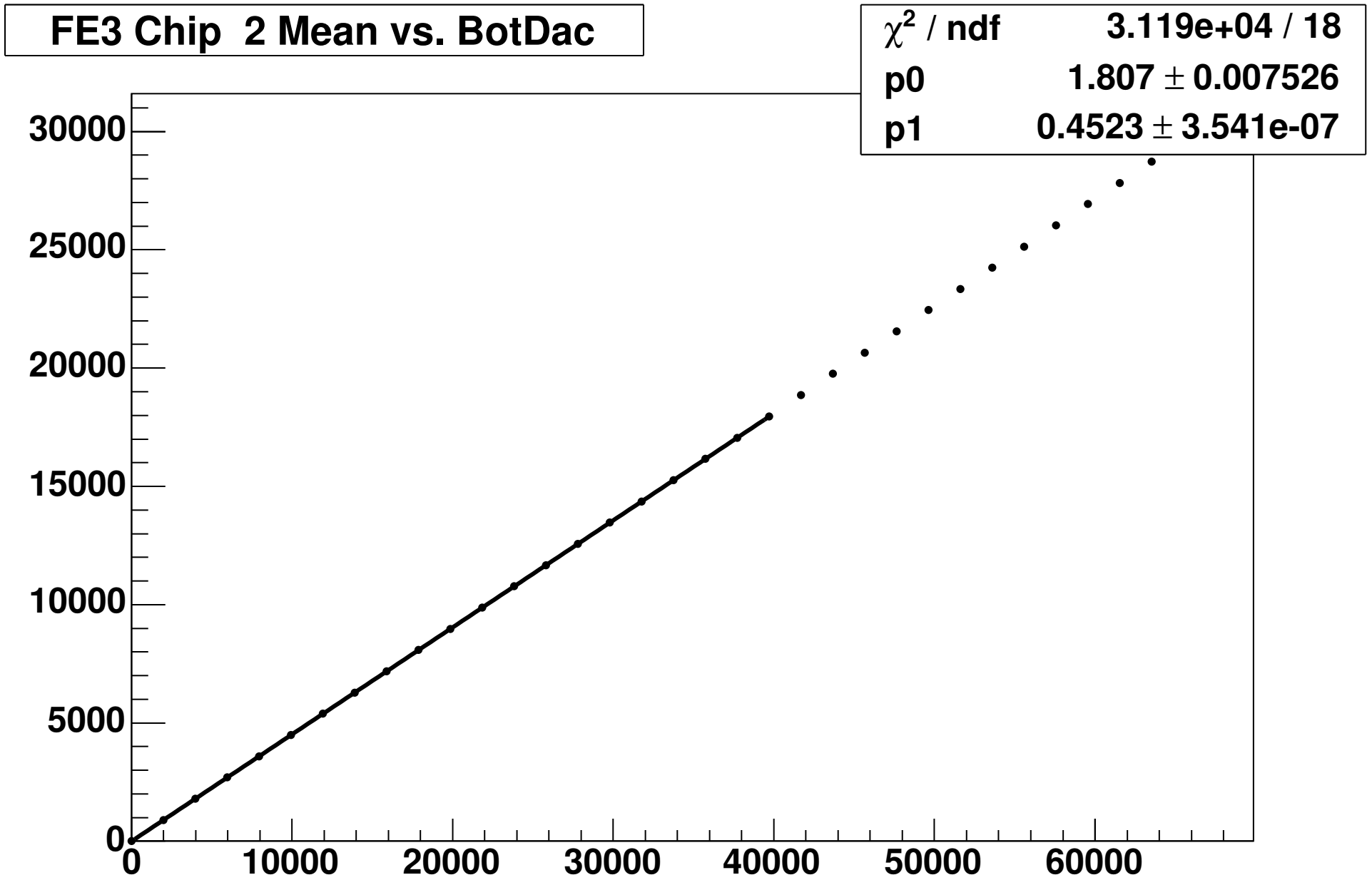

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 27.48 / 18
p0 1.482 ± 0.002494
p1 3.588e-15 ± 2.536e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

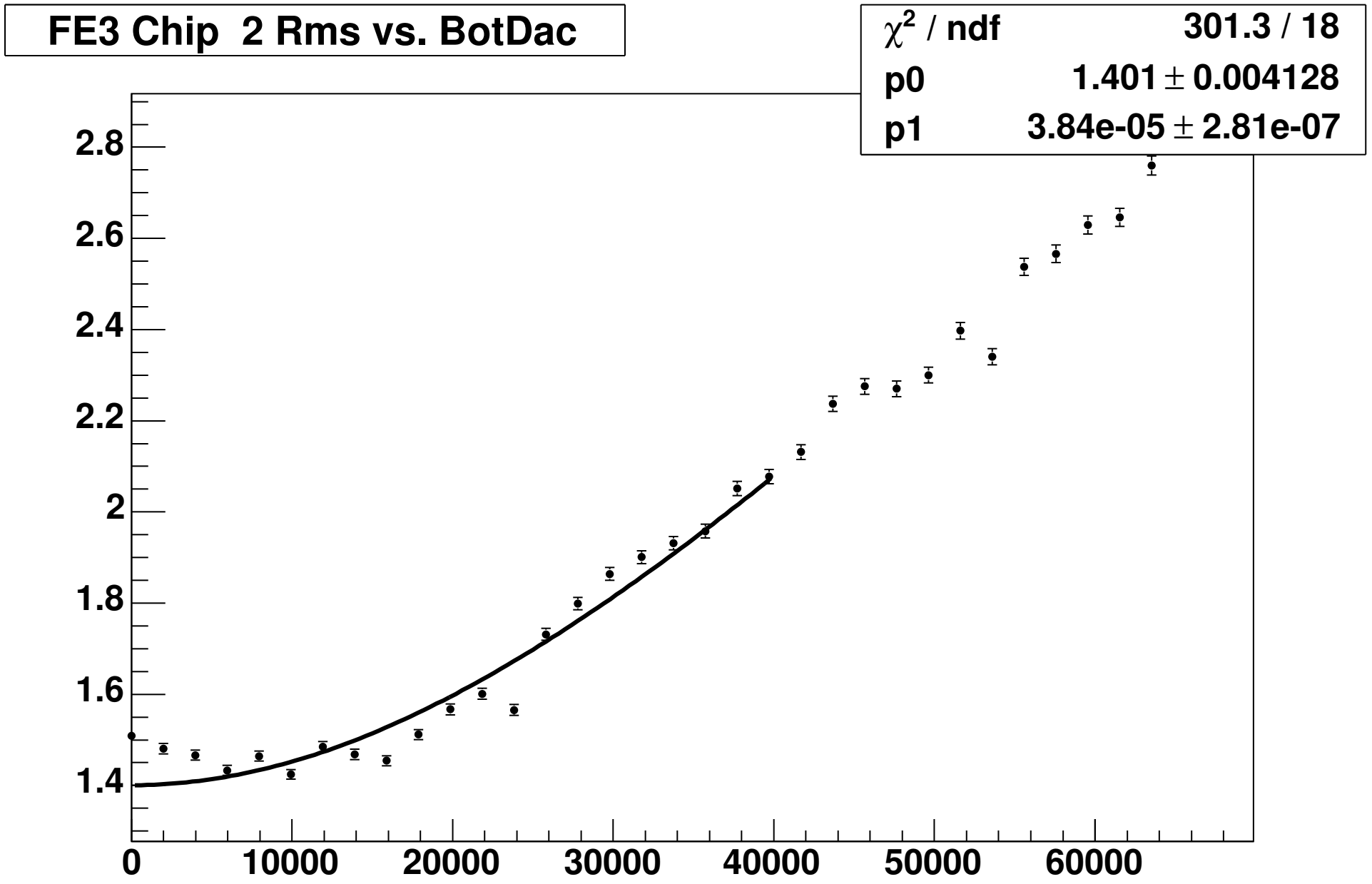

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 2.613e+04 / 18
p0 -15.42 ± 0.007405
p1 0.4519 ± 3.46e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

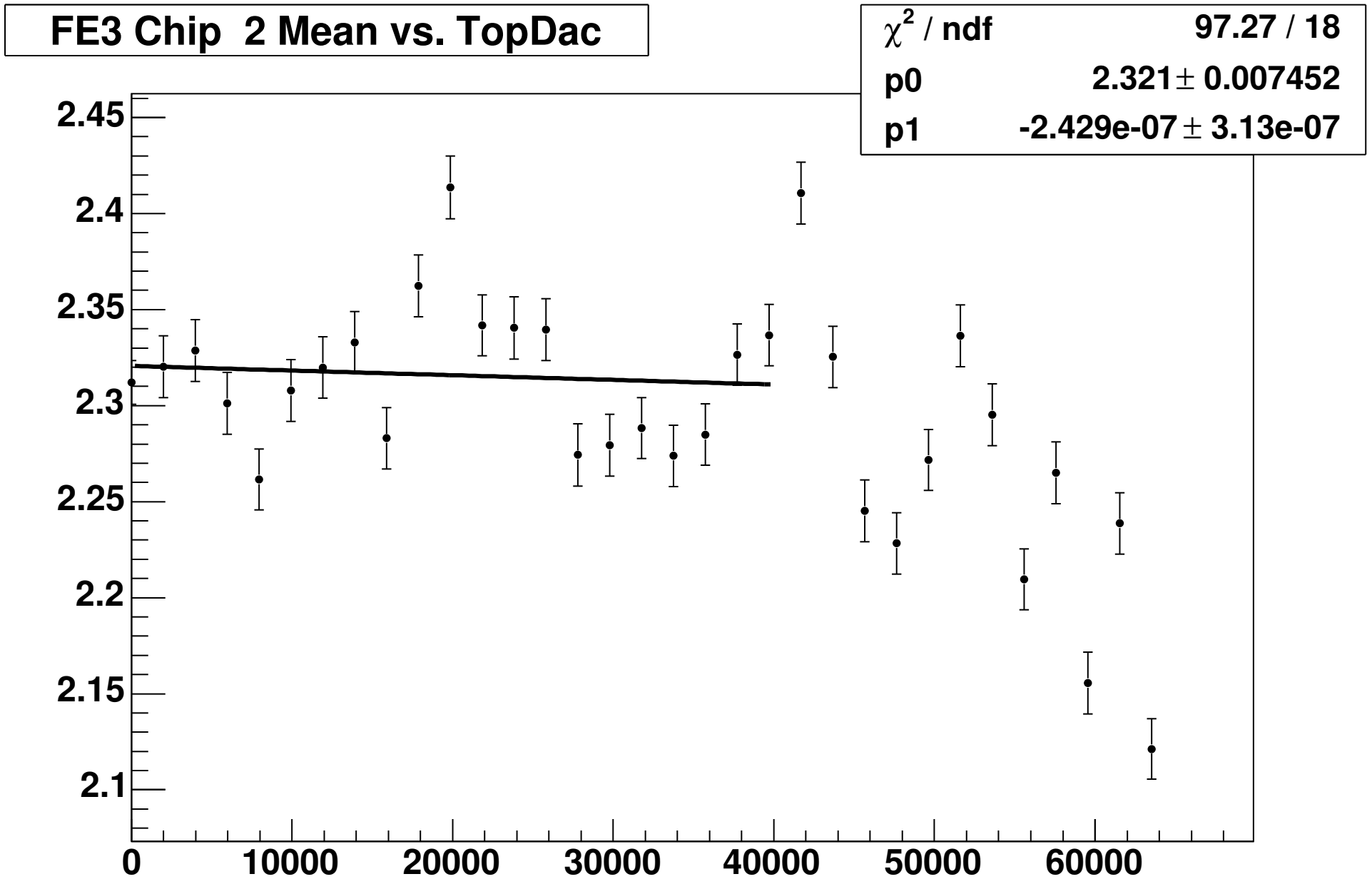

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 1065 / 18
p0 1.372 ± 0.004018
p1 3.595e-05 ± 2.802e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

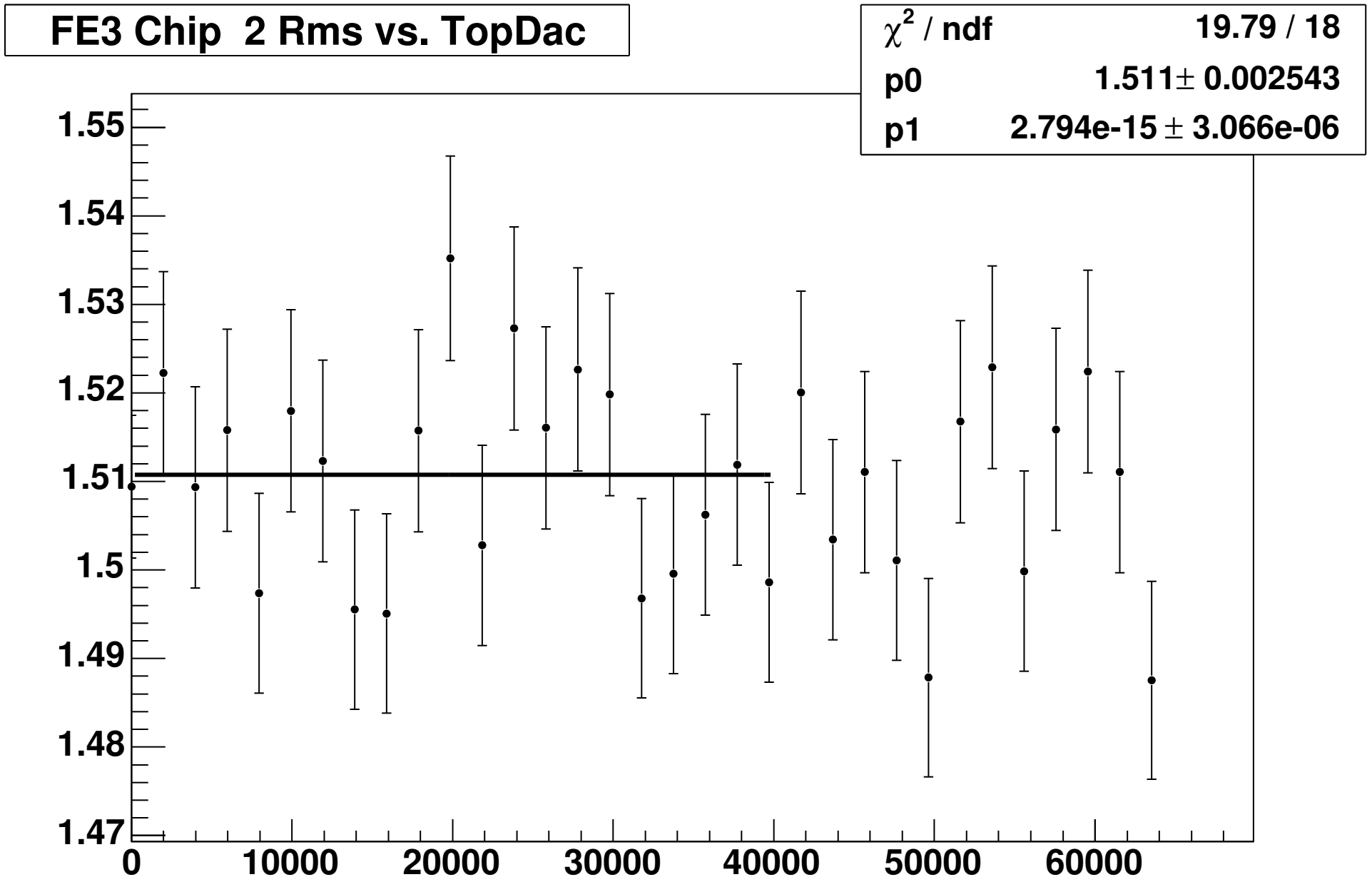

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 83.33 / 18
p0 -13.81 ± 0.00746
p1 6.139e-07 ± 3.139e-07
-13.65
-13.7
-13.75
-13.8
-13.85
-13.9
-13.95
0
10000
20000
30000
40000
50000
60000

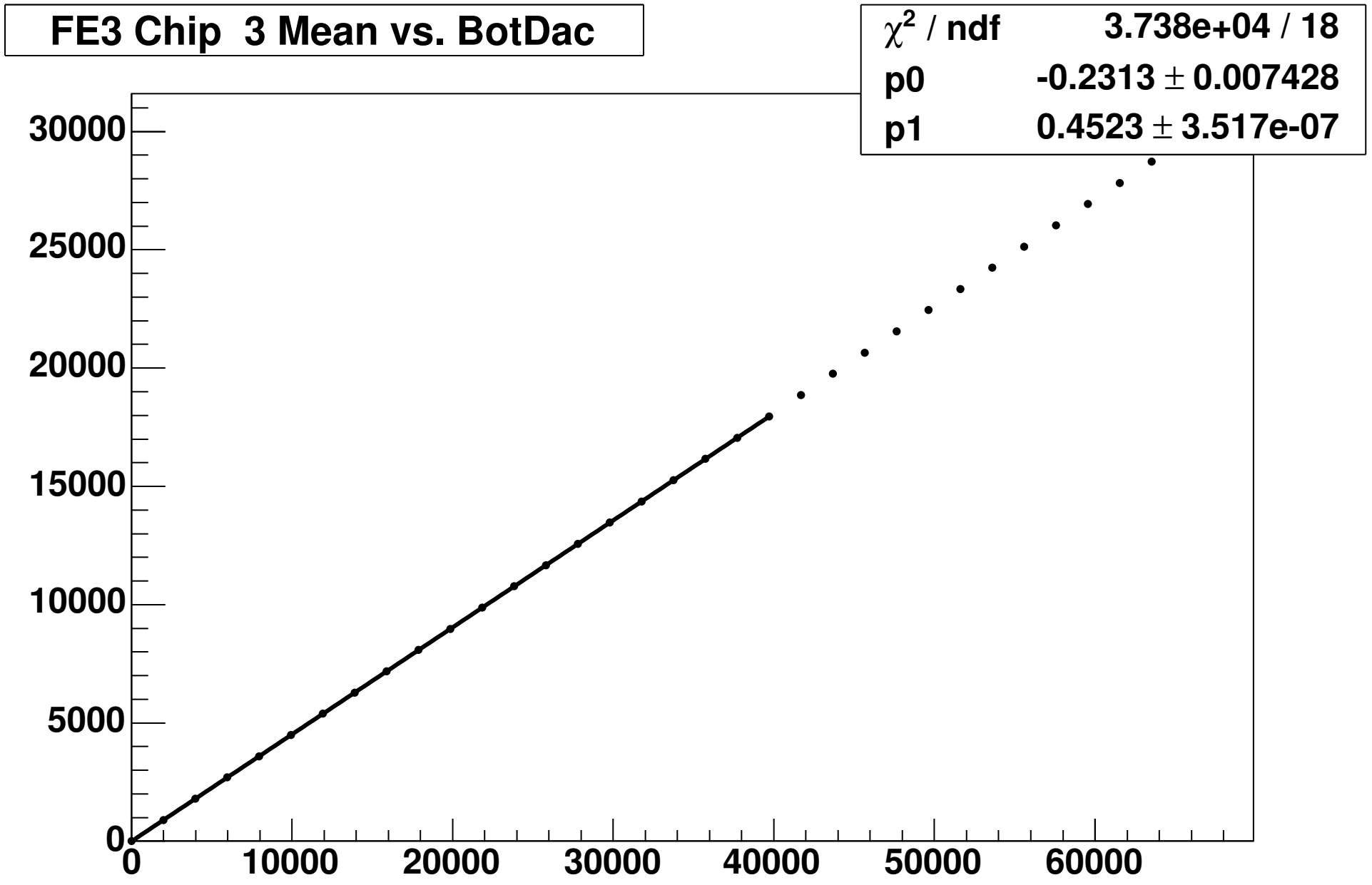

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 18.24 / 18
p0 1.511 ± 0.00388
p1 2.271e-06 ± 3.453e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

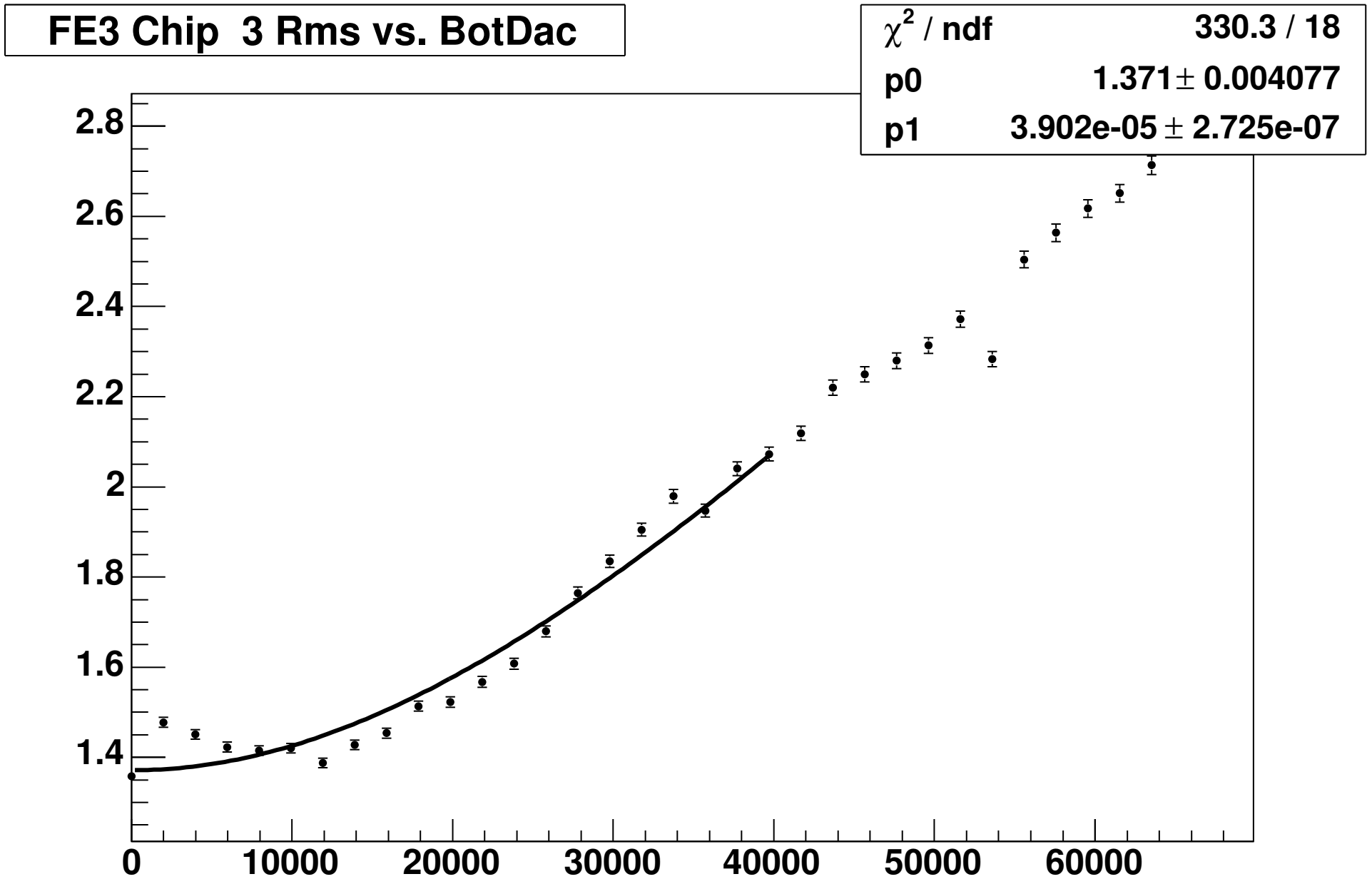

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 3.119e+04 / 18
p0 1.807 ± 0.007526
p1 0.4523 ± 3.541e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

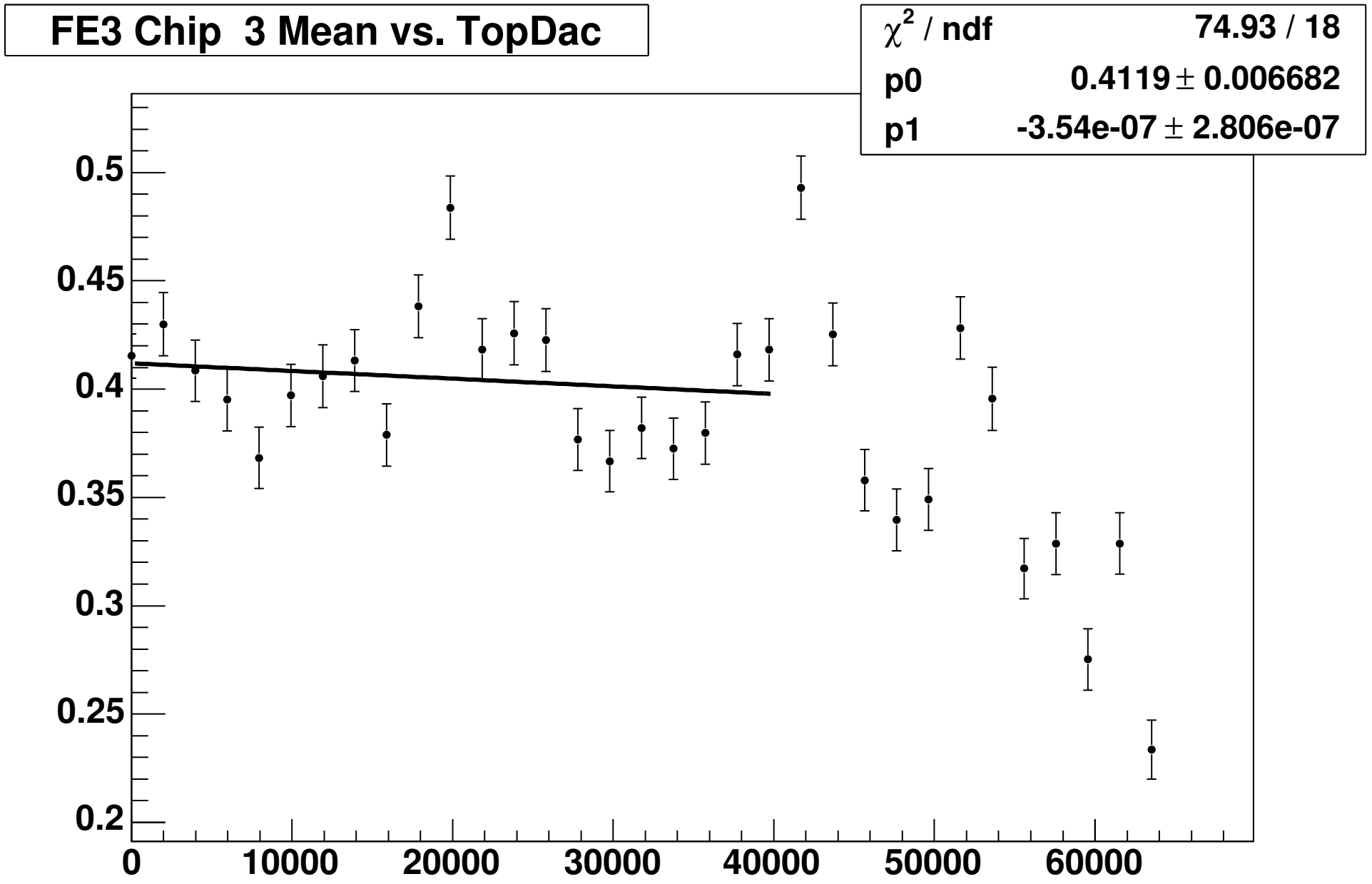

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 301.3 / 18
p0 1.401 ± 0.004128
p1 3.84e-05 ± 2.81e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

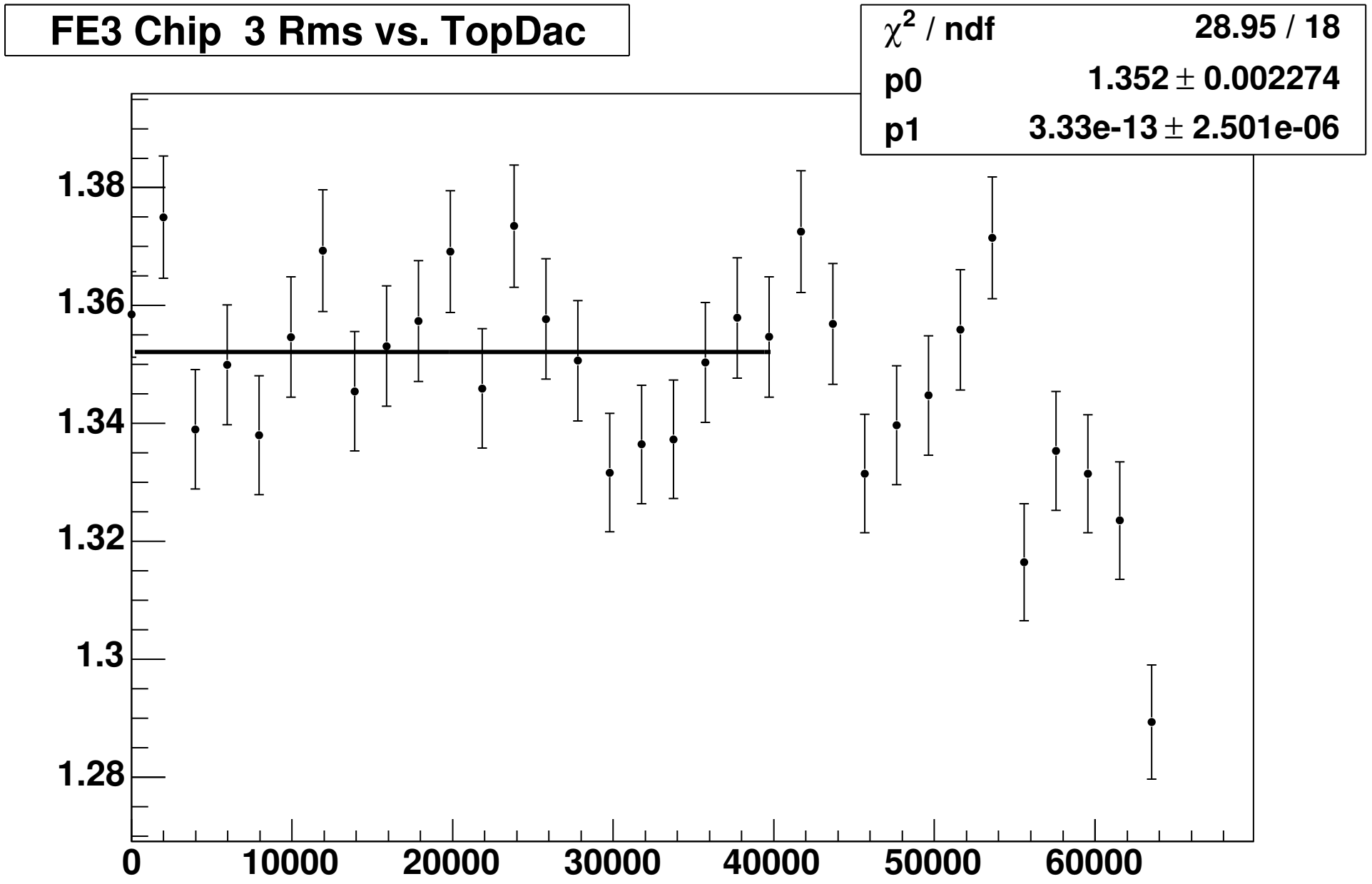

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 97.27 / 18
p0 2.321 ± 0.007452
p1 -2.429e-07 ± 3.13e-07
2.45
2.4
2.35
2.3
2.25
2.2
2.15
2.1
0
10000
20000
30000
40000
50000
60000

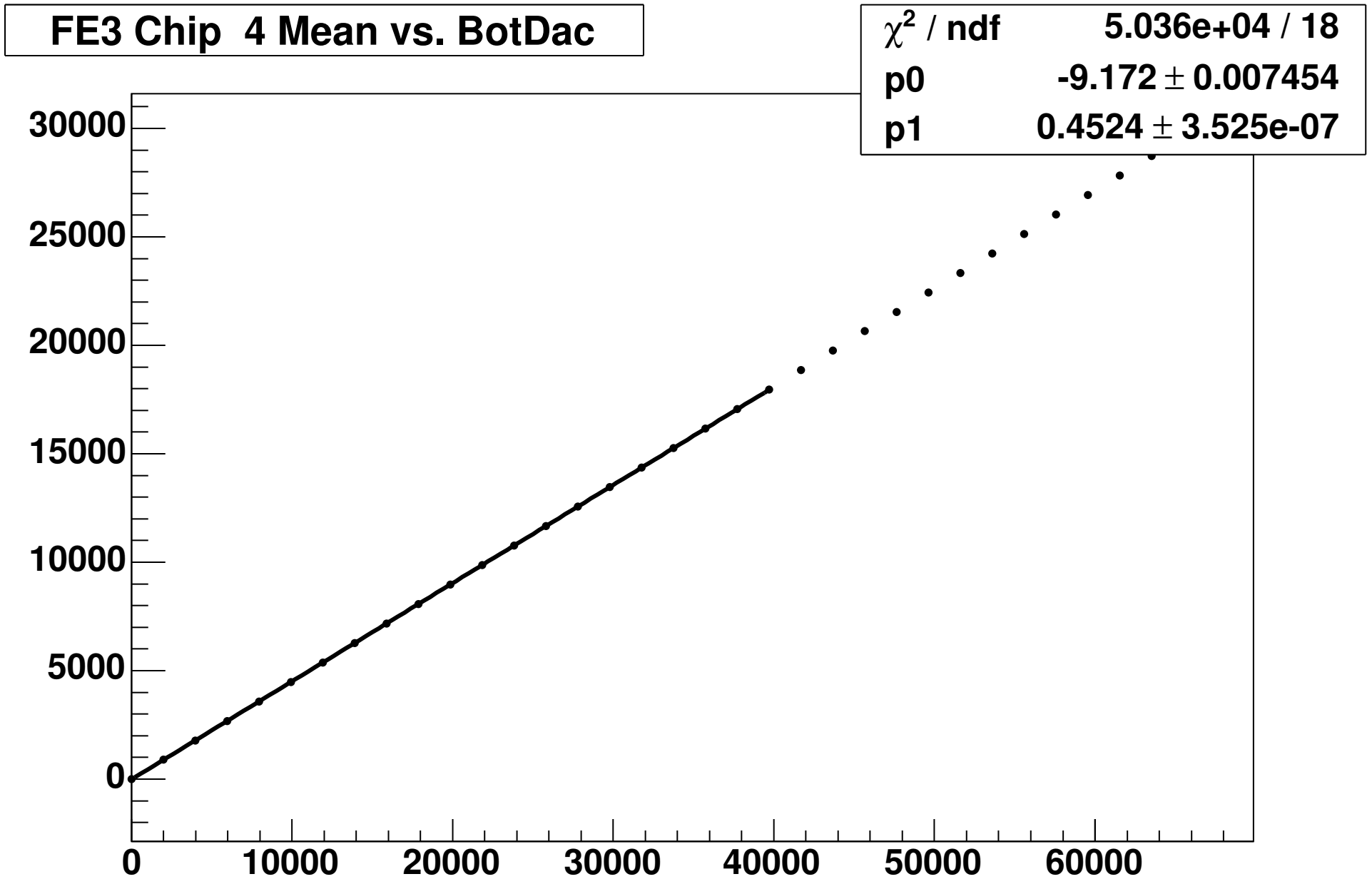

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 19.79 / 18
p0 1.511 ± 0.002543
p1 2.794e-15 ± 3.066e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 3.738e+04 / 18
p0 -0.2313 ± 0.007428
p1 0.4523 ± 3.517e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 330.3 / 18
p0 1.371 ± 0.004077
p1 3.902e-05 ± 2.725e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 74.93 / 18
p0 0.4119 ± 0.006682
p1 -3.54e-07 ± 2.806e-07
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 28.95 / 18
p0 1.352 ± 0.002274
p1 3.33e-13 ± 2.501e-06
1.38
1.36
1.34
1.32
1.3
1.28
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 5.036e+04 / 18
p0 -9.172 ± 0.007454
p1 0.4524 ± 3.525e-07
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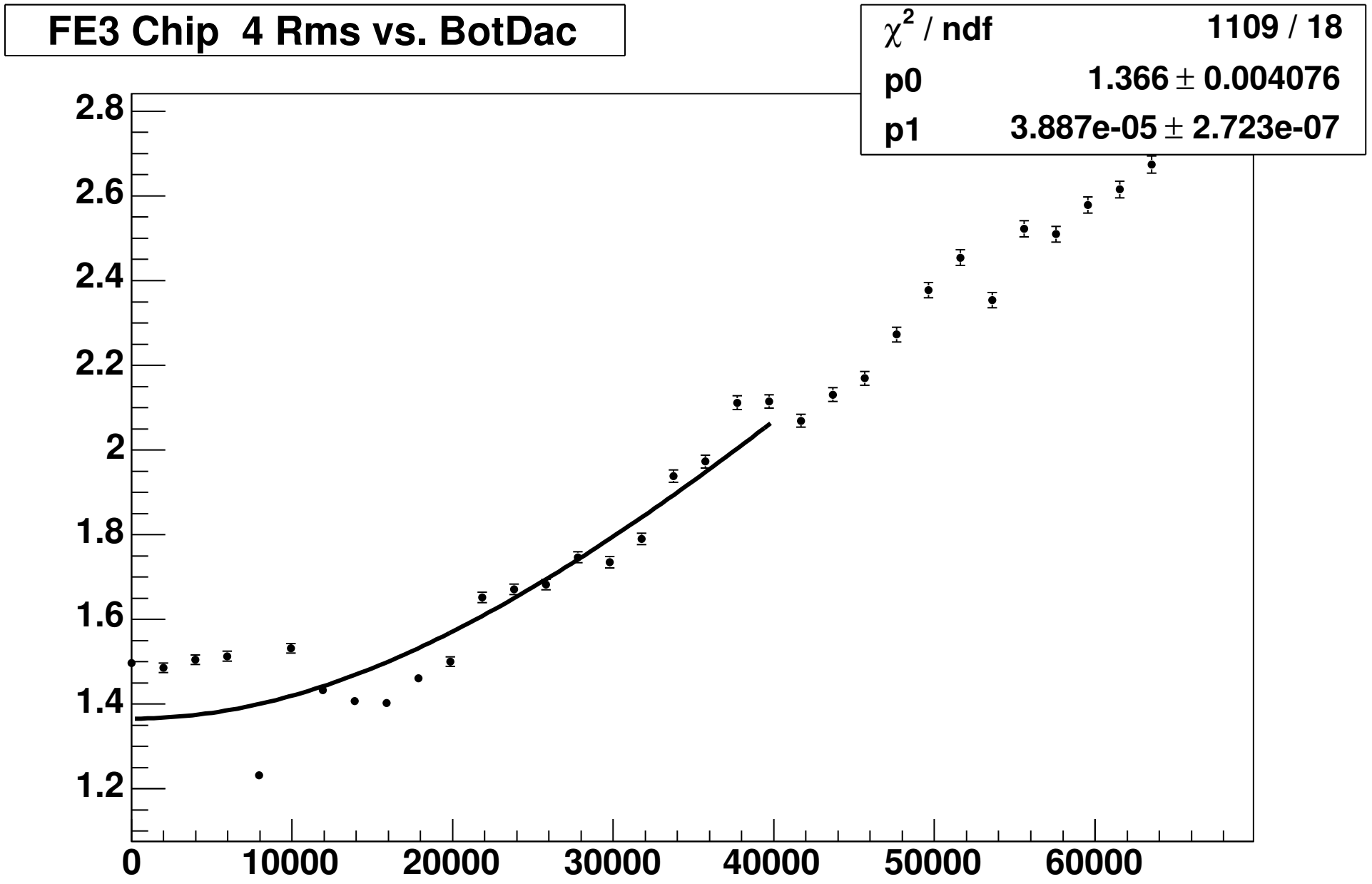
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1109 / 18
p0 1.366 ± 0.004076
p1 3.887e-05 ± 2.723e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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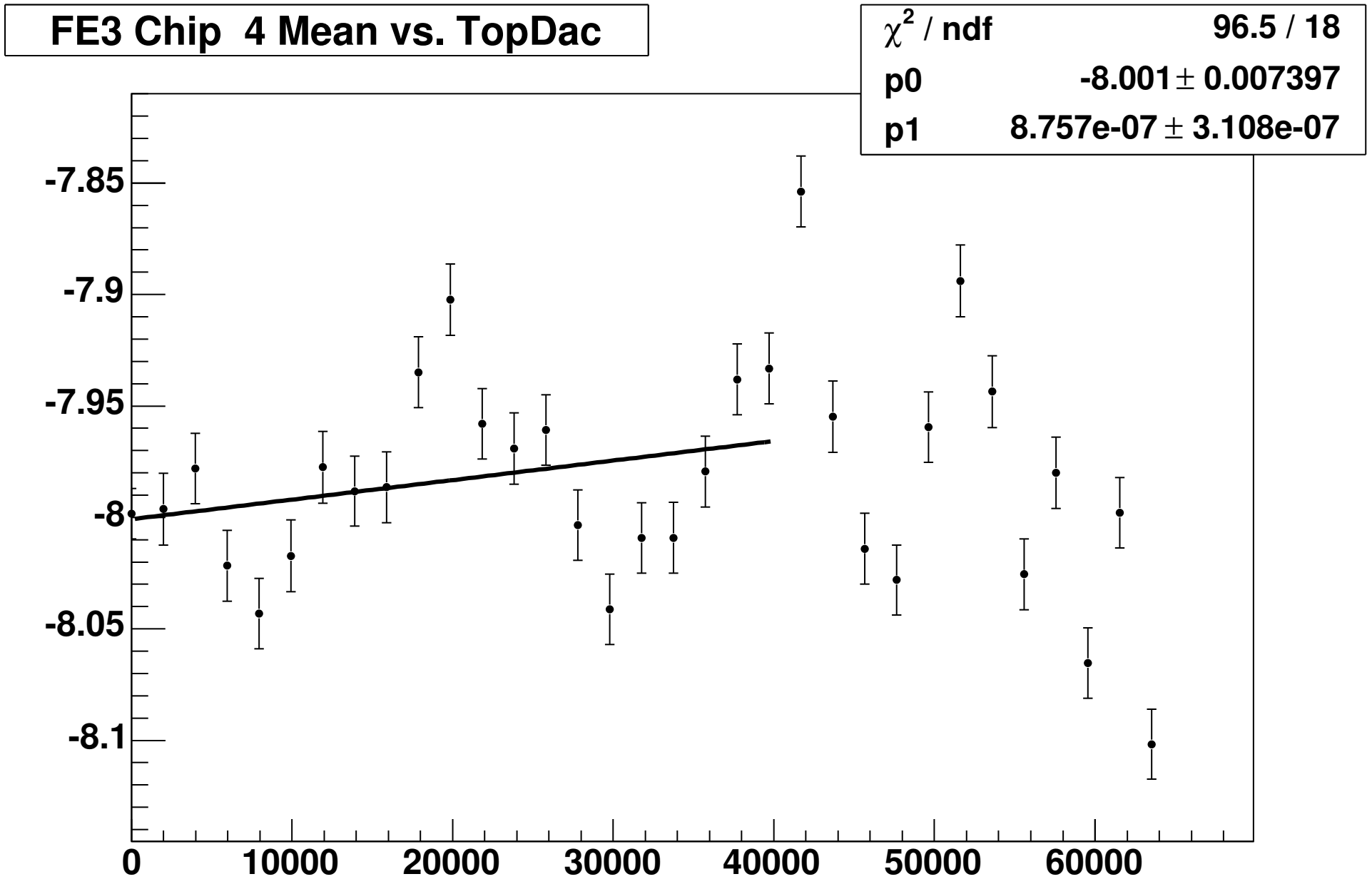
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ^2 / ndf 96.5 / 18
p0 -8.001 ± 0.007397
p1 8.757e-07 ± 3.108e-07
-7.85
-7.9
-7.95
-8
-8.05
-8.1
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10000
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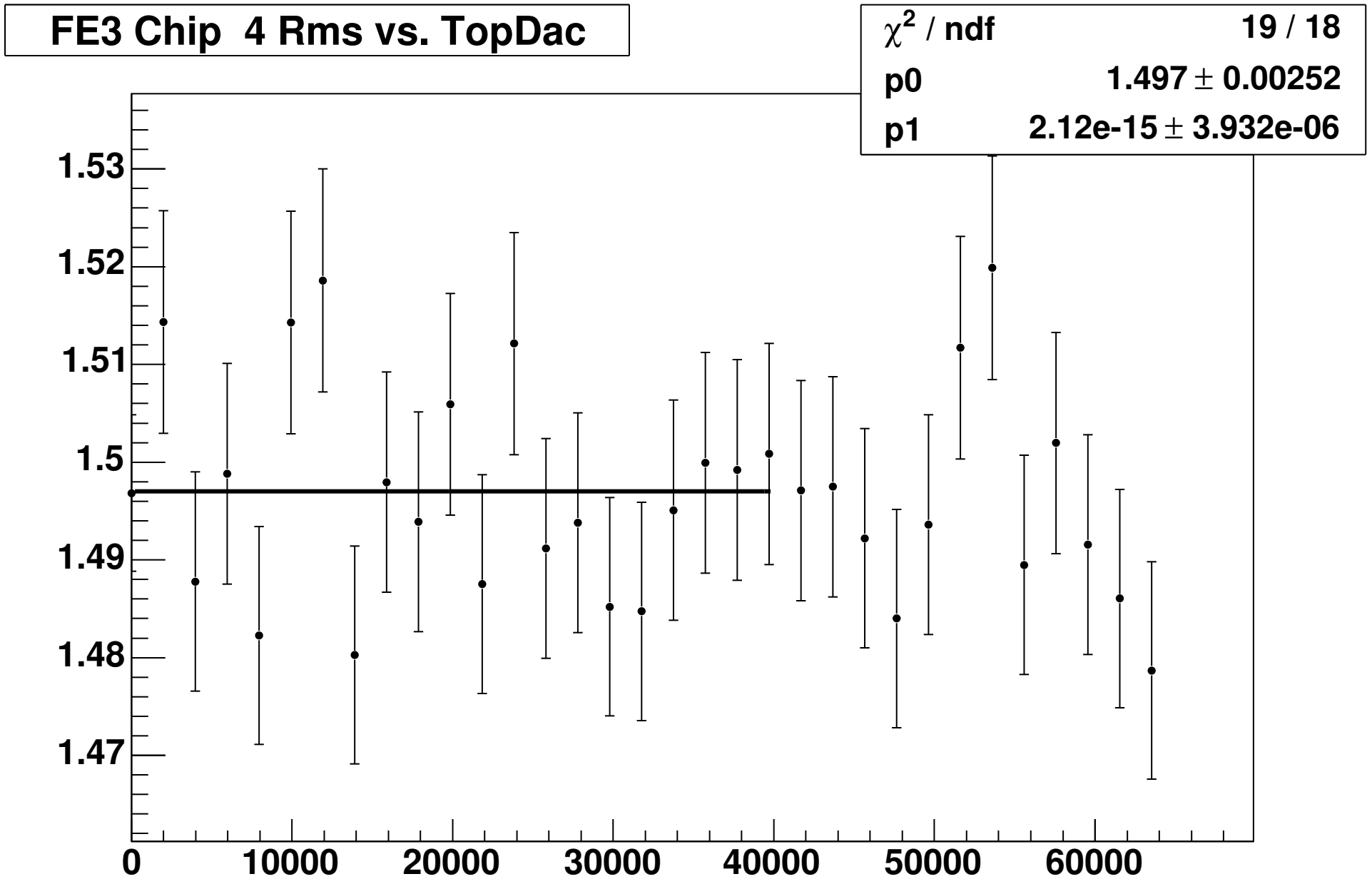
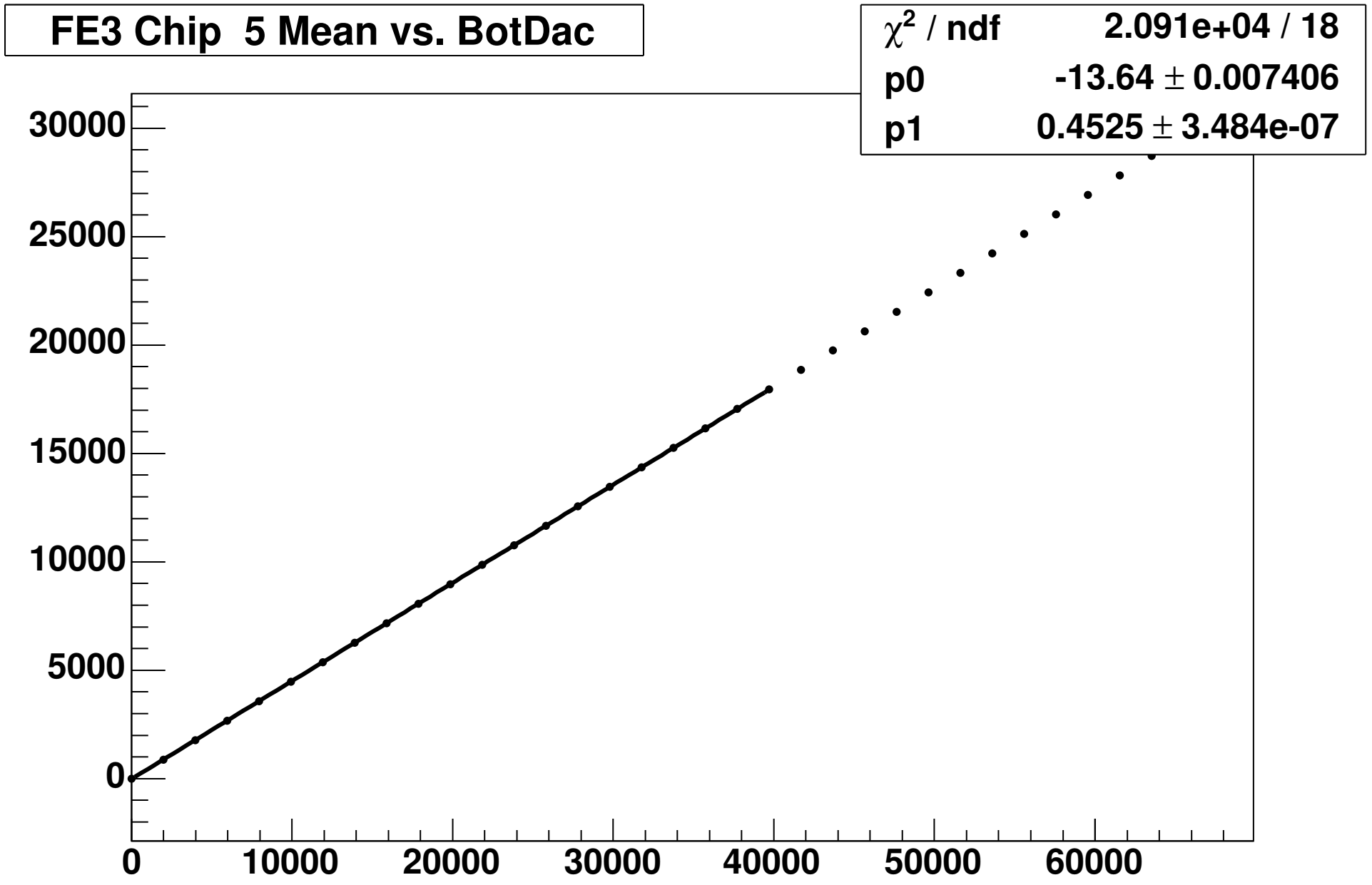
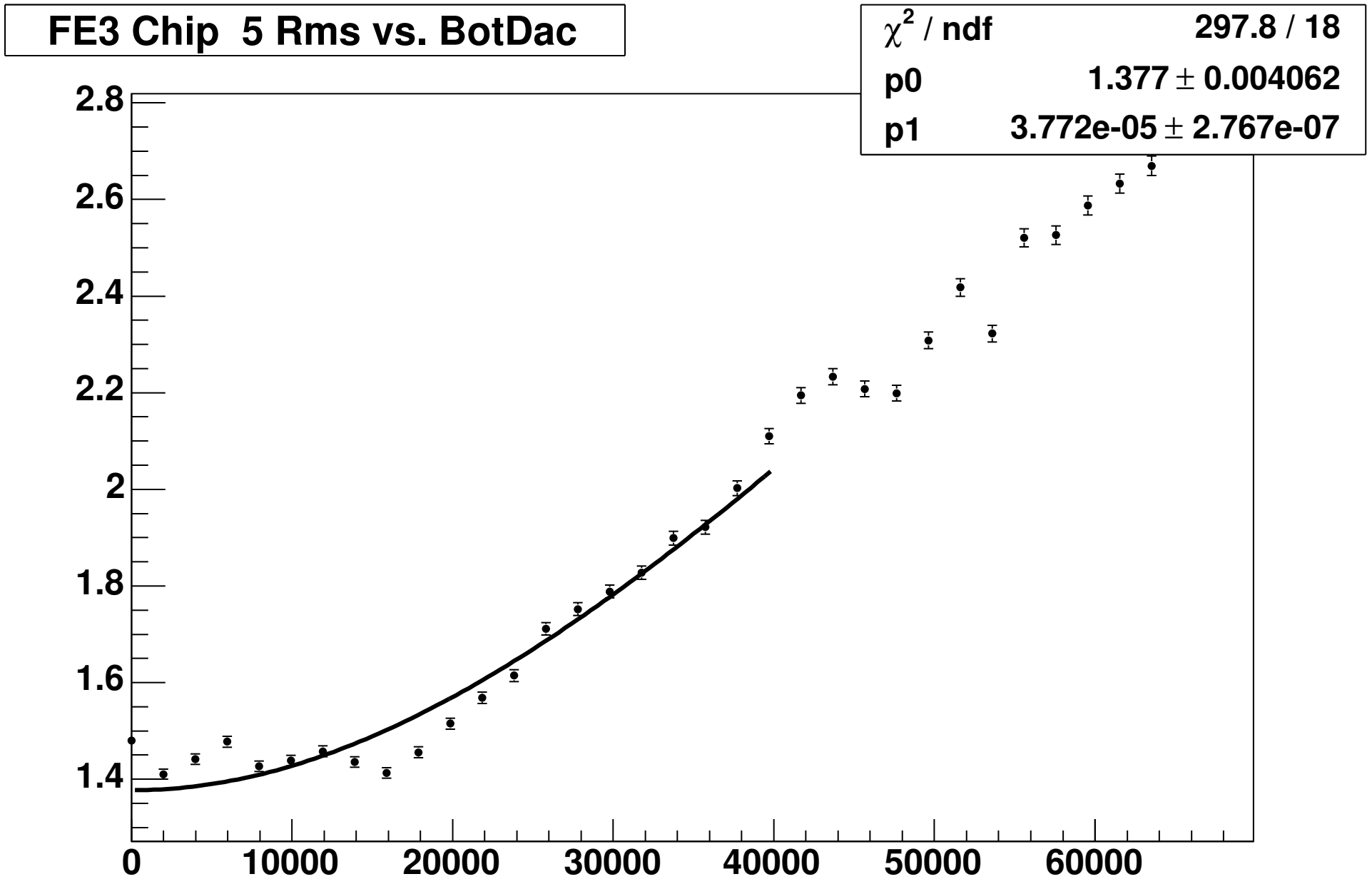
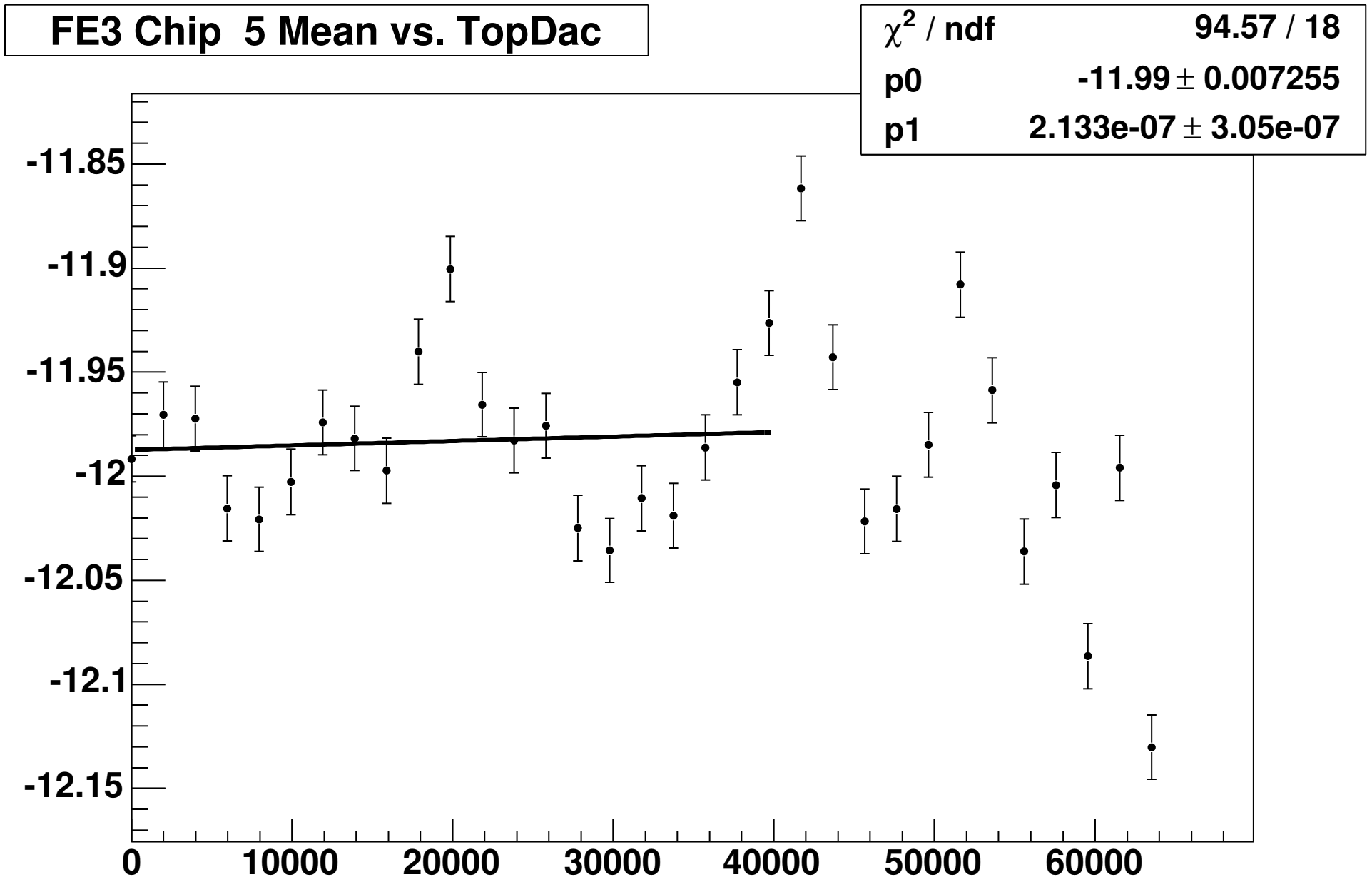
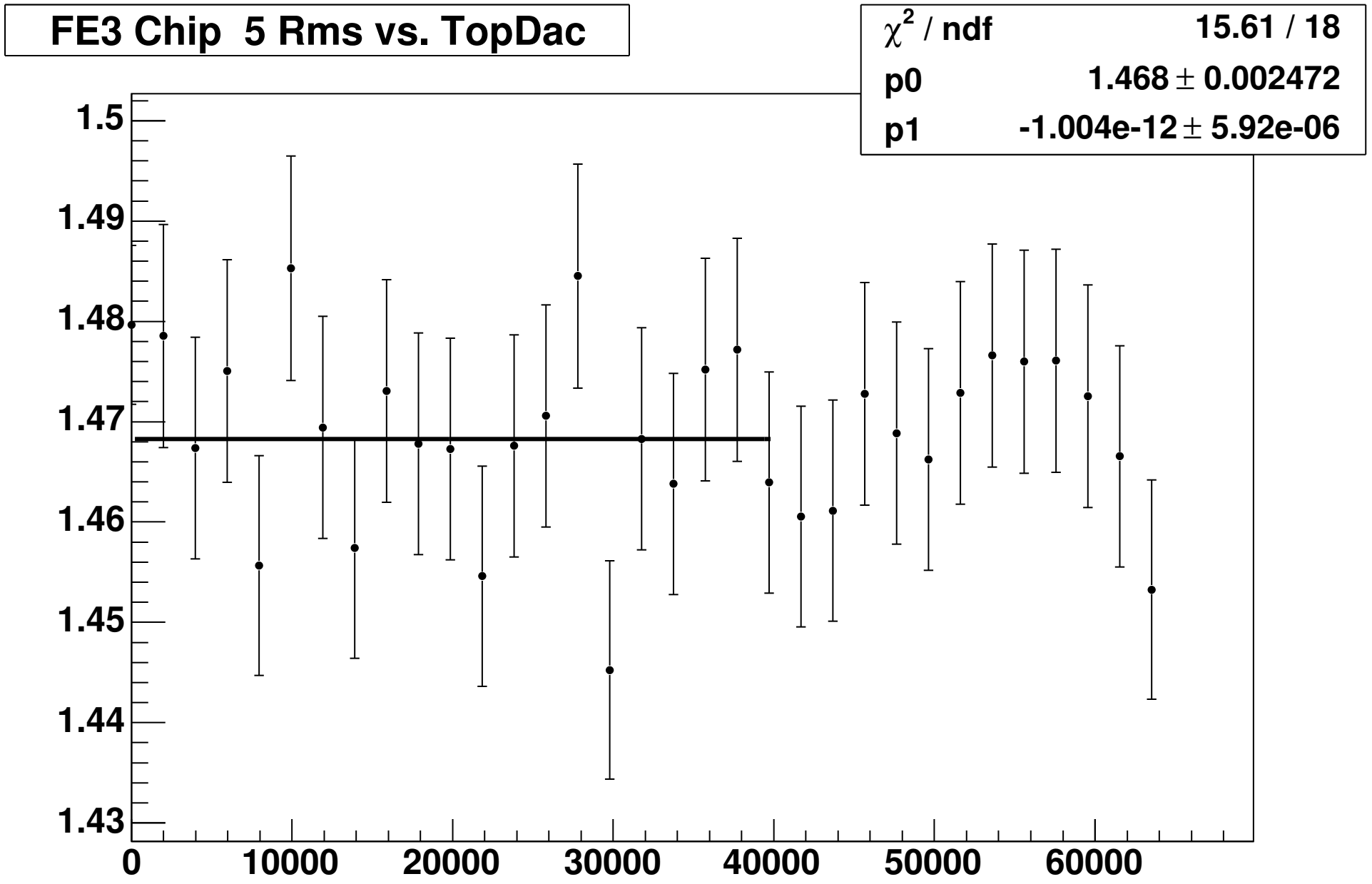
30000
40000
50000
60000

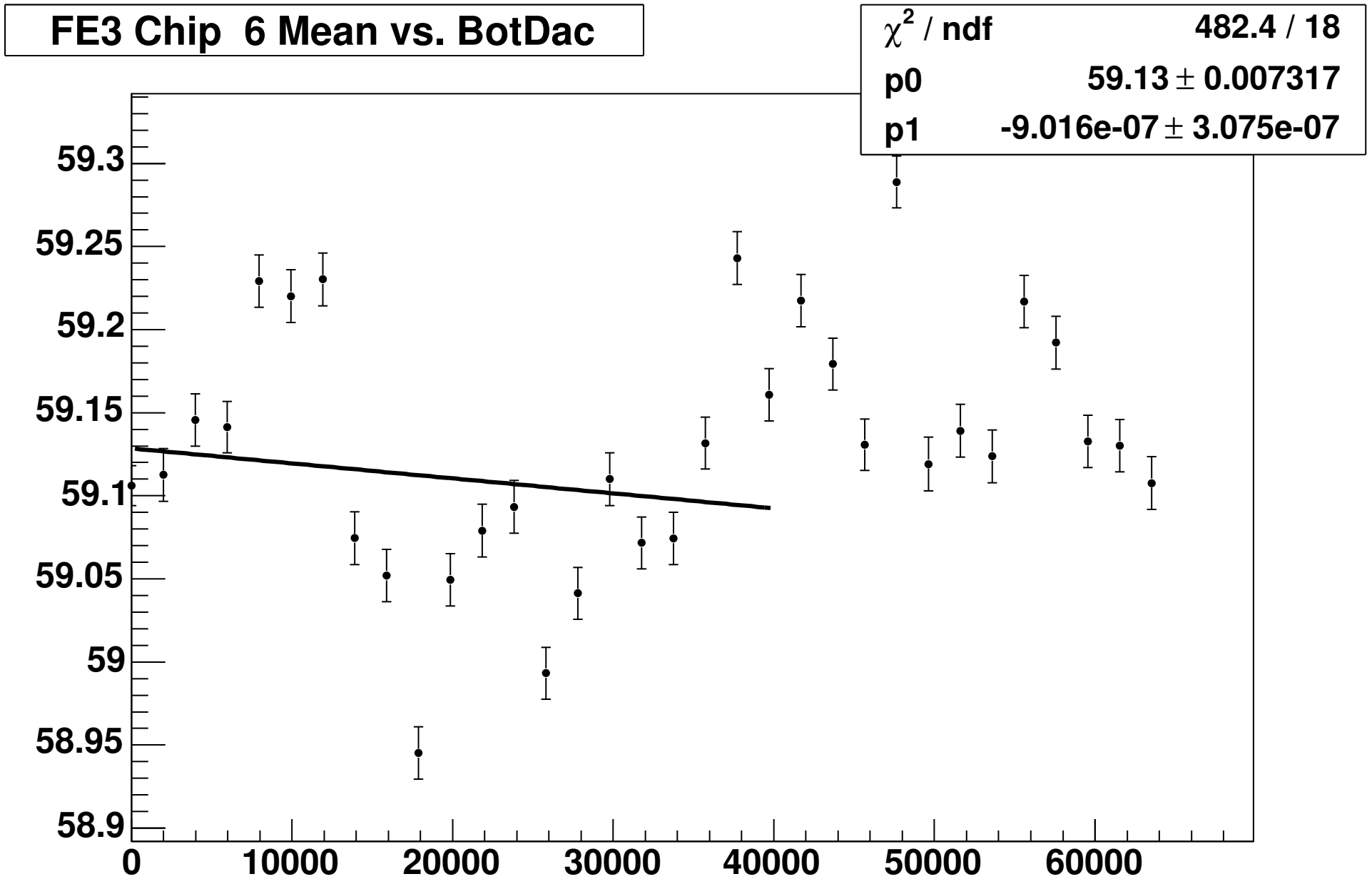

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 19 / 18
p0 1.497 ± 0.00252
p1 2.12e-15 ± 3.932e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

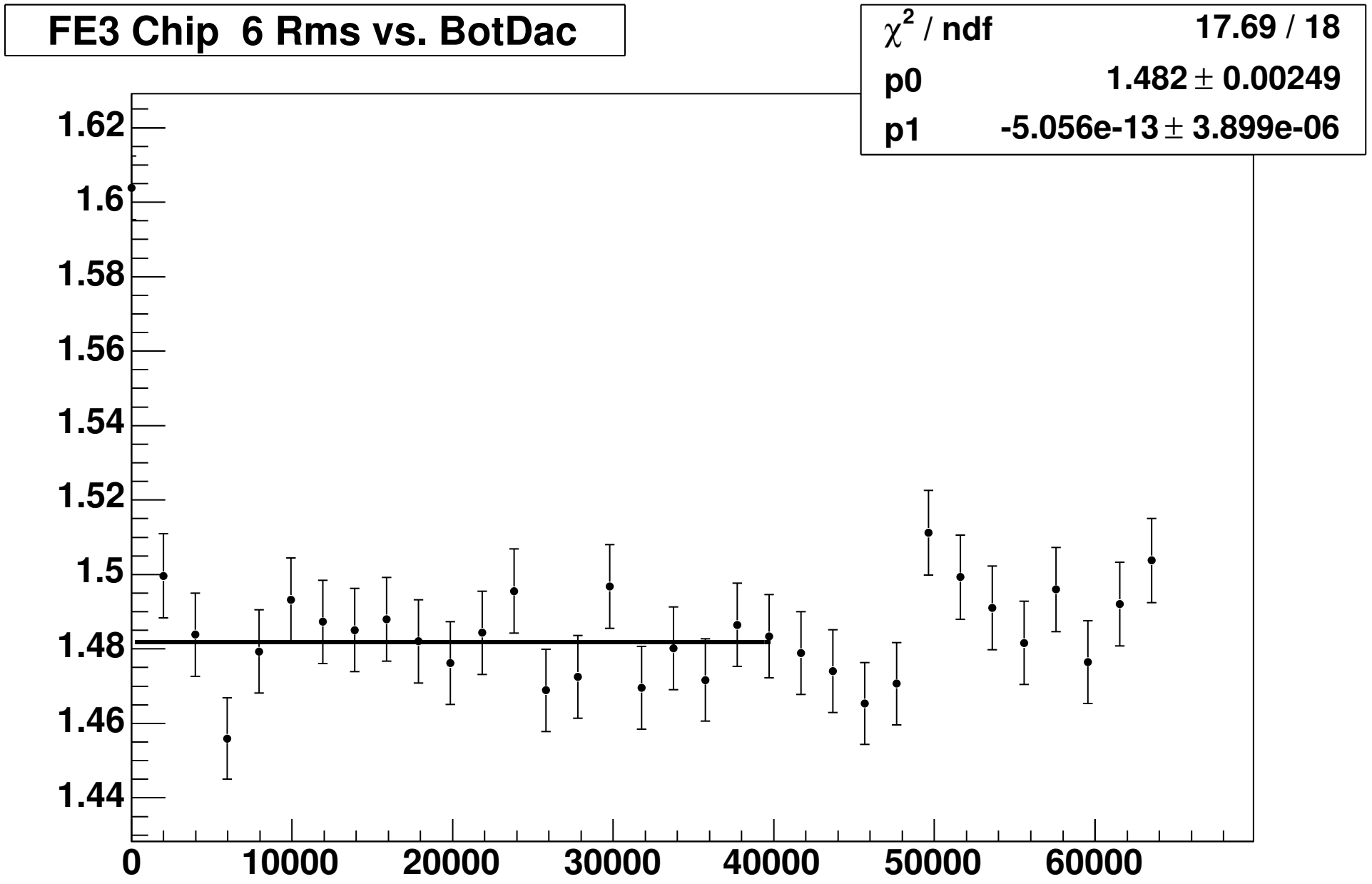

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 2.091e+04 / 18
p0 -13.64 ± 0.007406
p1 0.4525 ± 3.484e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

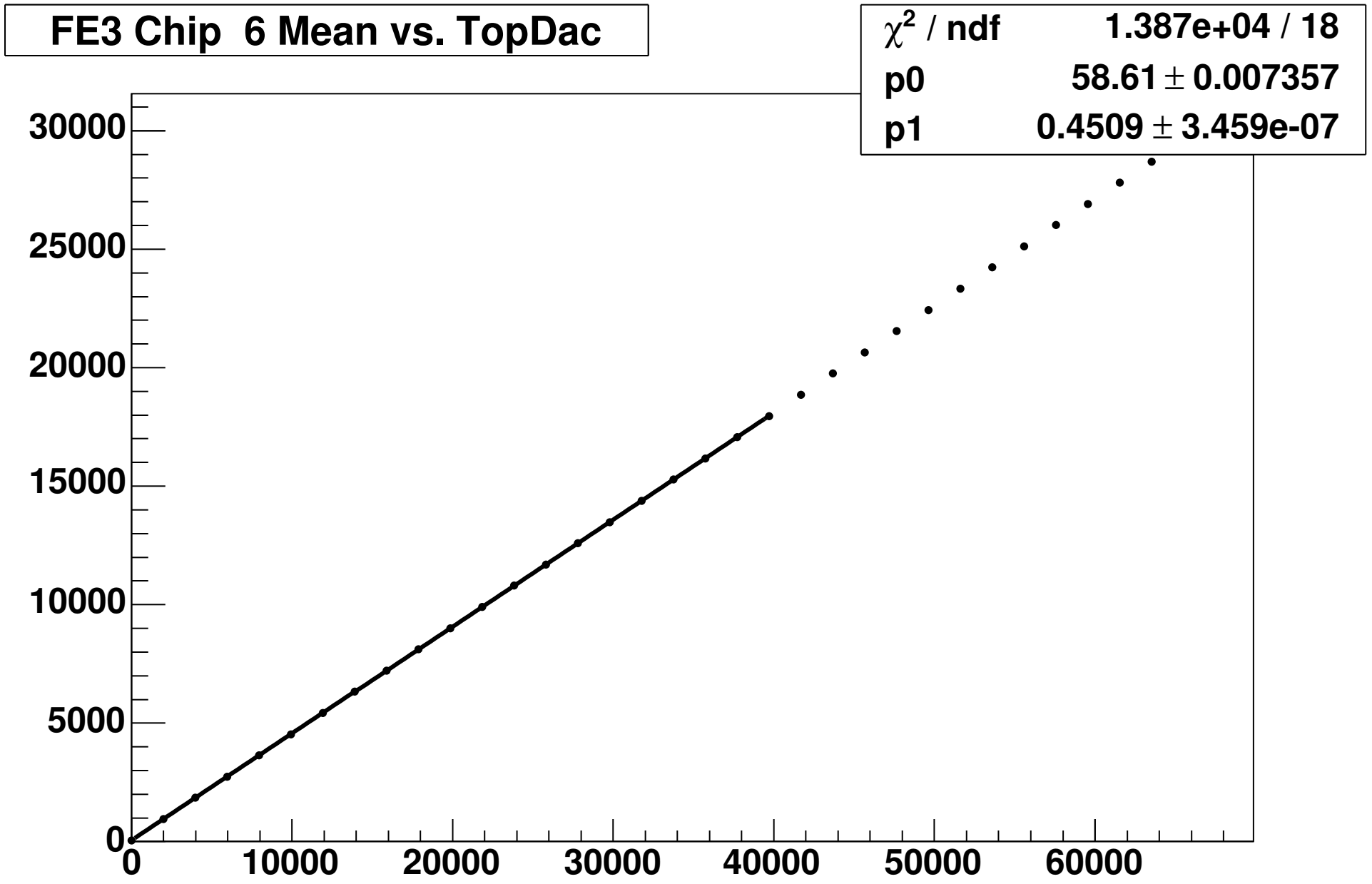

FE3 Chip 5 Rms vs. BotDac
χ² / ndf 297.8 / 18
p0 1.377 ± 0.004062
p1 3.772e-05 ± 2.767e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

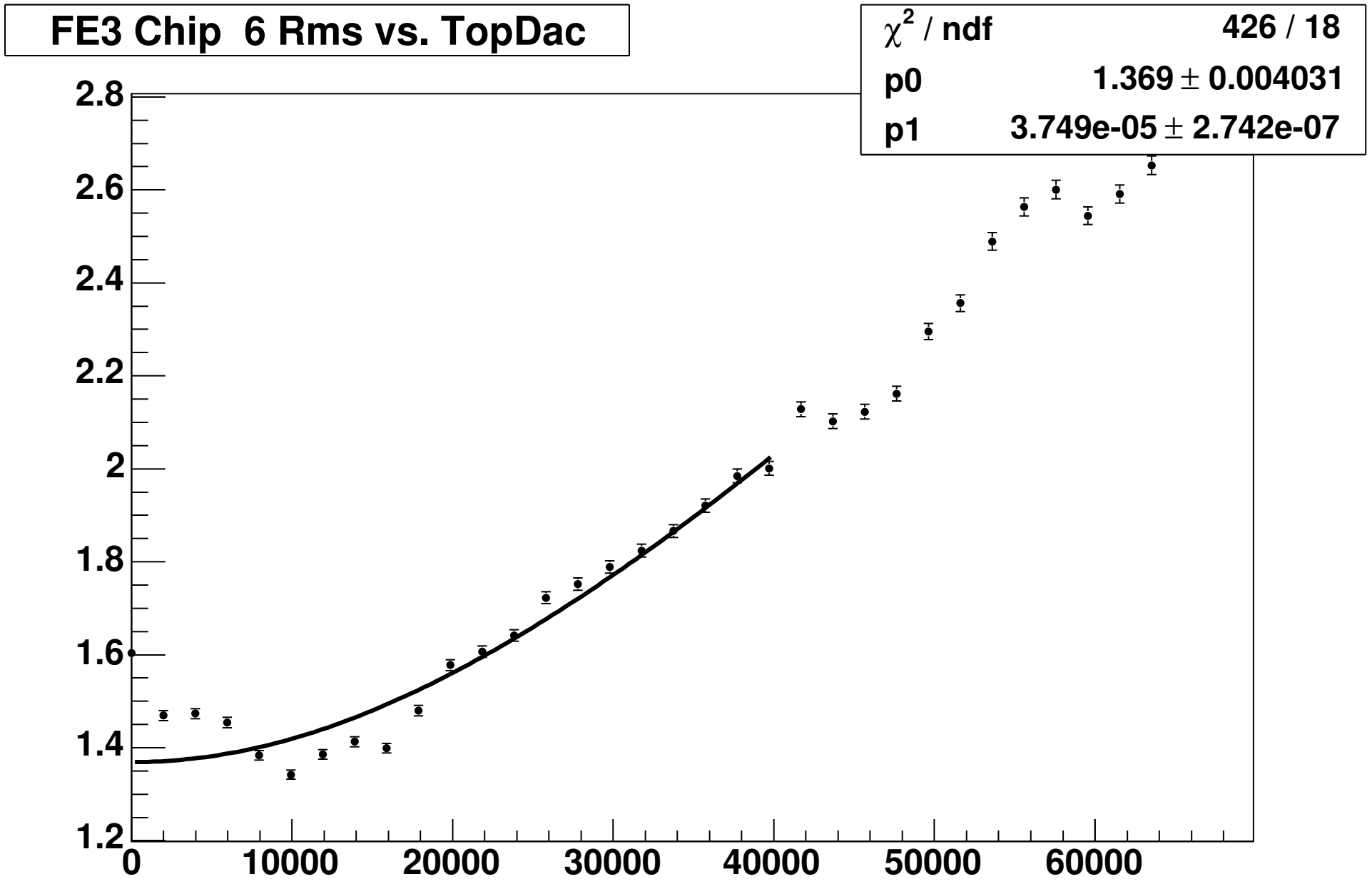

FE3 Chip 5 Mean vs. TopDac
χ^2 / ndf 94.57 / 18
p0 -11.99 ± 0.007255
p1 2.133e-07 ± 3.05e-07
-11.85
-11.9
-11.95
-12
-12.05
-12.1
-12.15
0
10000
20000
30000
40000
50000
60000

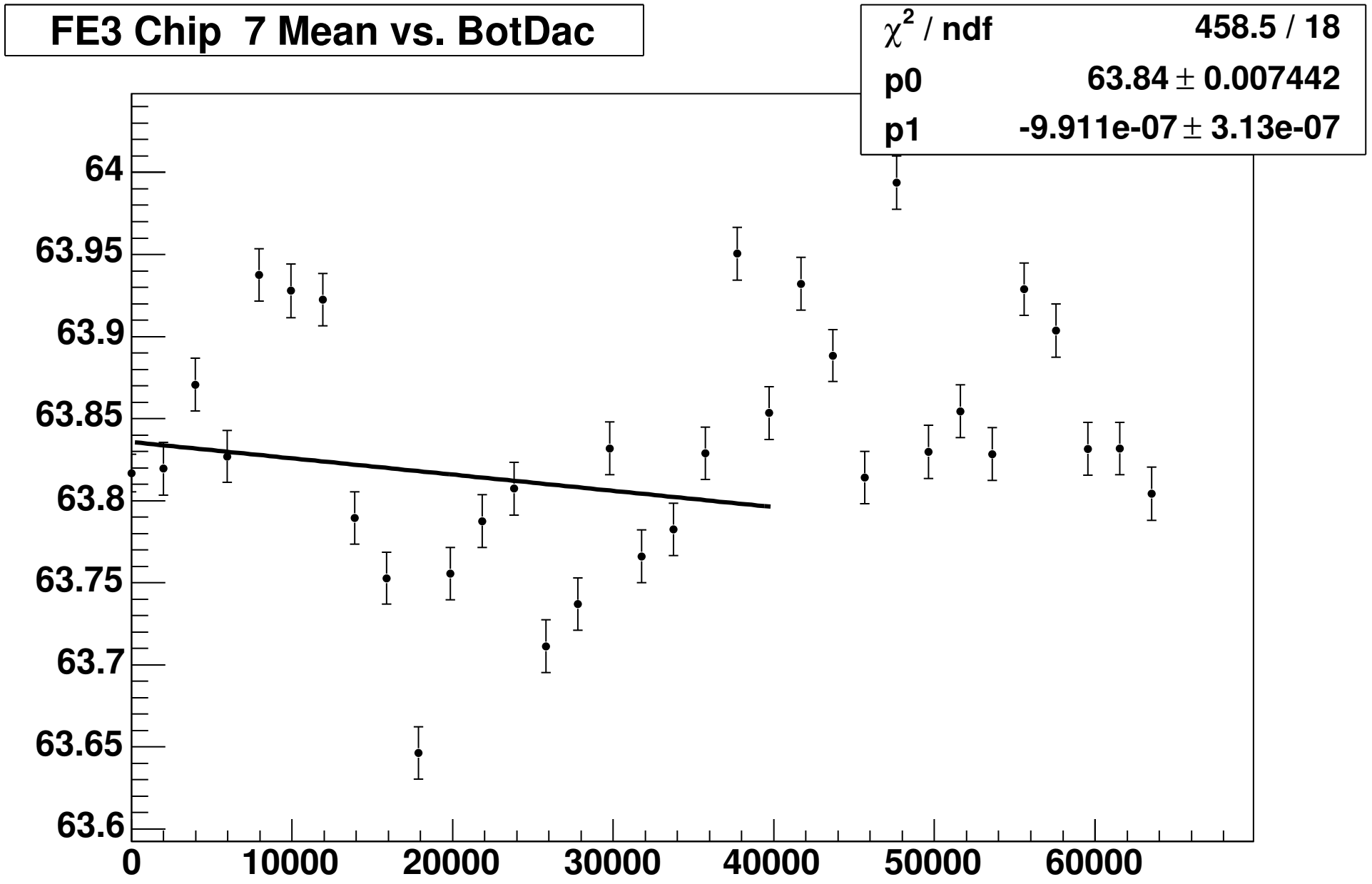

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 15.61 / 18
p0 1.468 ± 0.002472
p1 -1.004e-12 ± 5.92e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

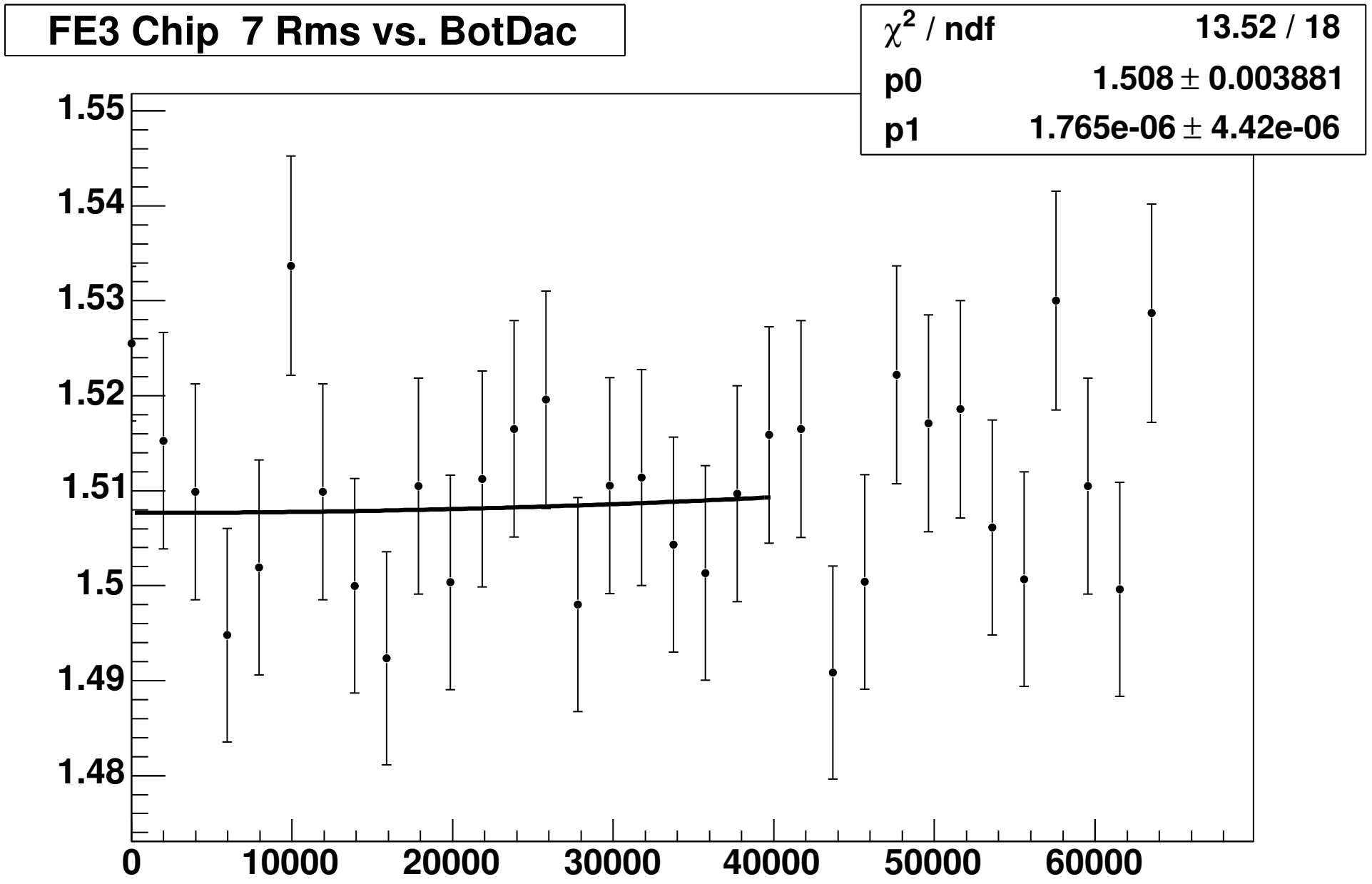

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 482.4 / 18
p0 59.13 ± 0.007317
p1 -9.016e-07 ± 3.075e-07
59.3
59.25
59.2
59.15
59.1
59.05
59
58.95
58.9
0
10000
20000
30000
40000
50000
60000

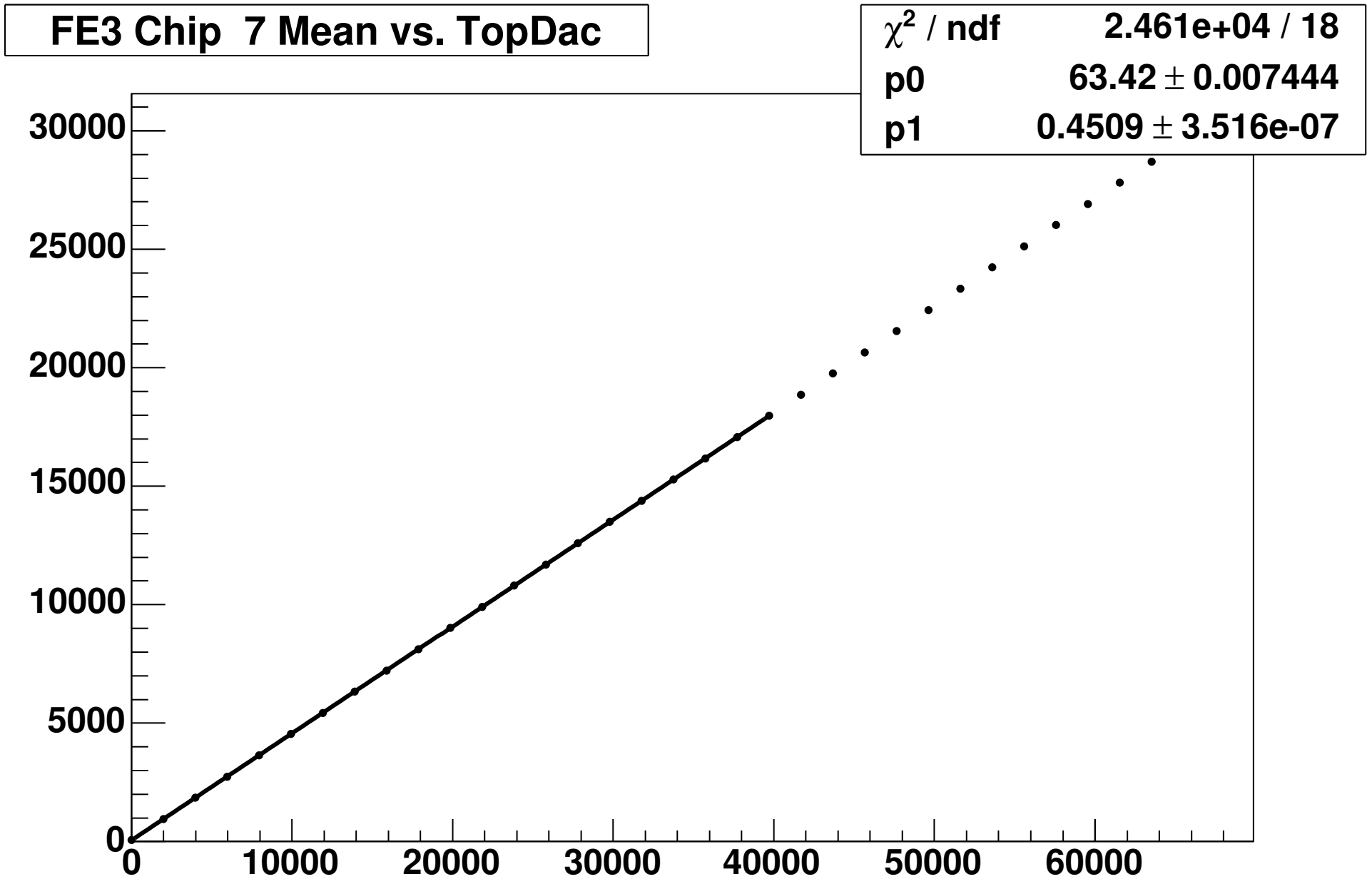

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 17.69 / 18
p0 1.482 ± 0.00249
p1 -5.056e-13 ± 3.899e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

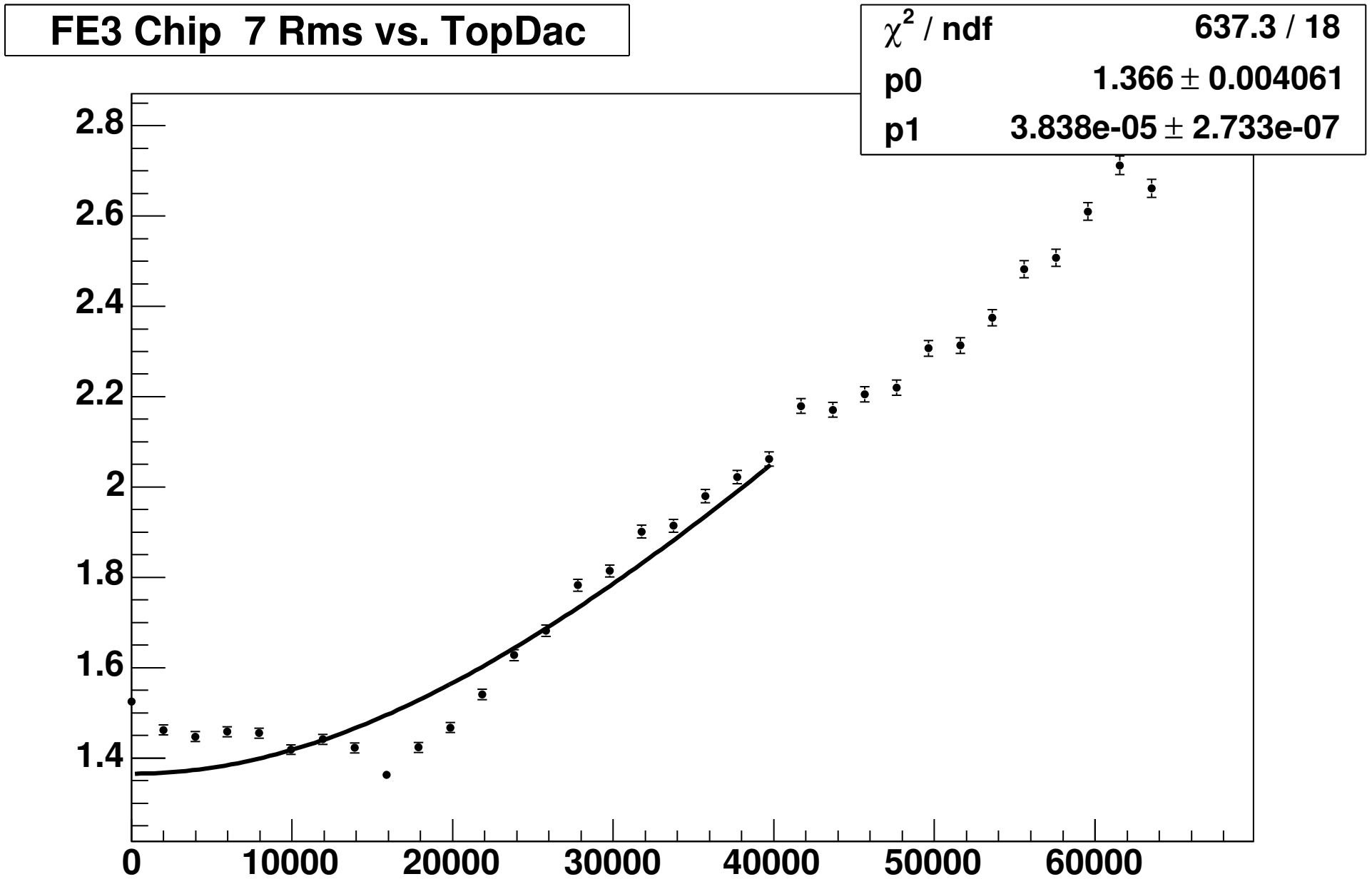

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.387e+04 / 18
p0 58.61 ± 0.007357
p1 0.4509 ± 3.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

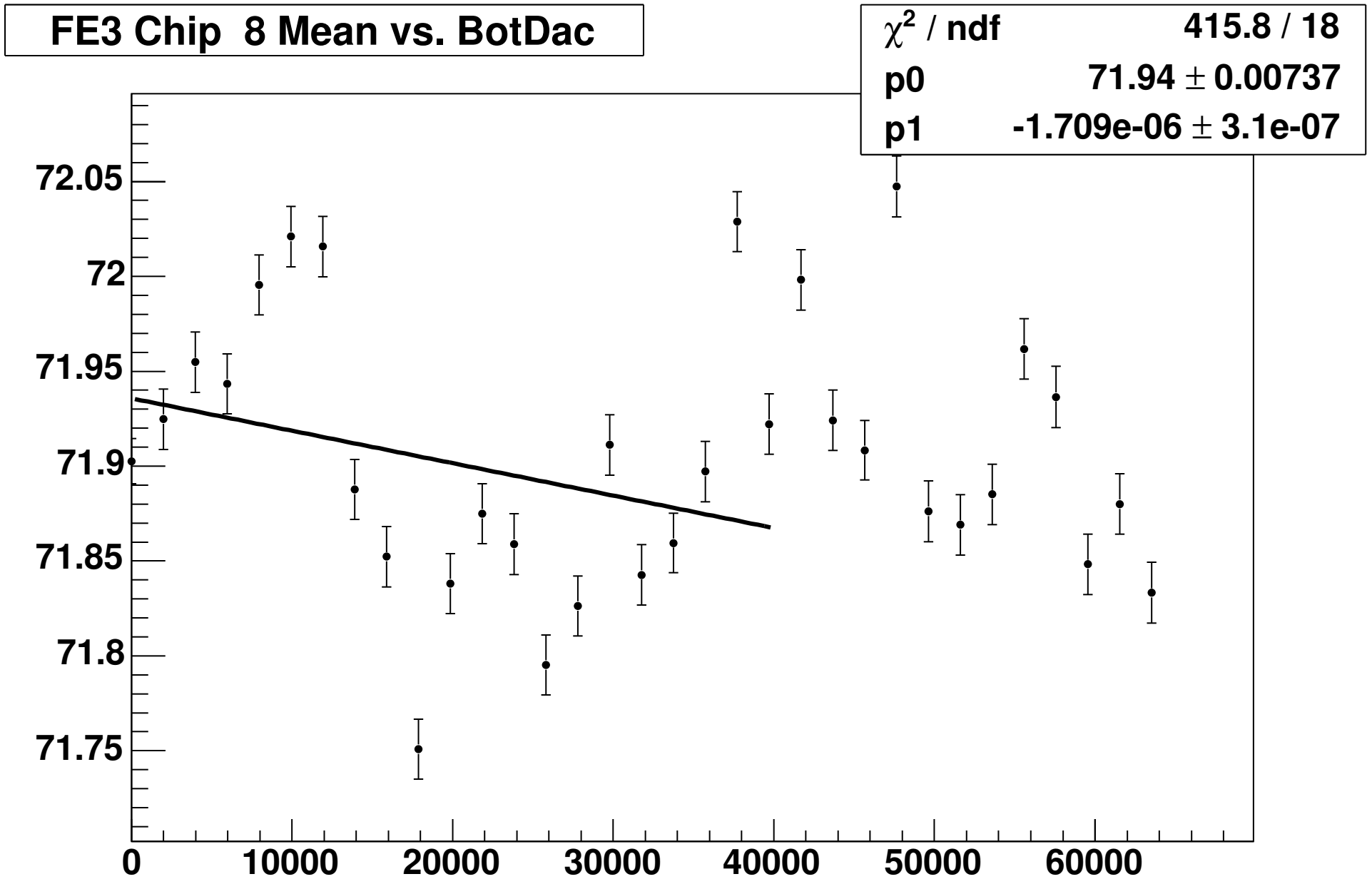

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 426 / 18
p0 1.369 ± 0.004031
p1 3.749e-05 ± 2.742e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

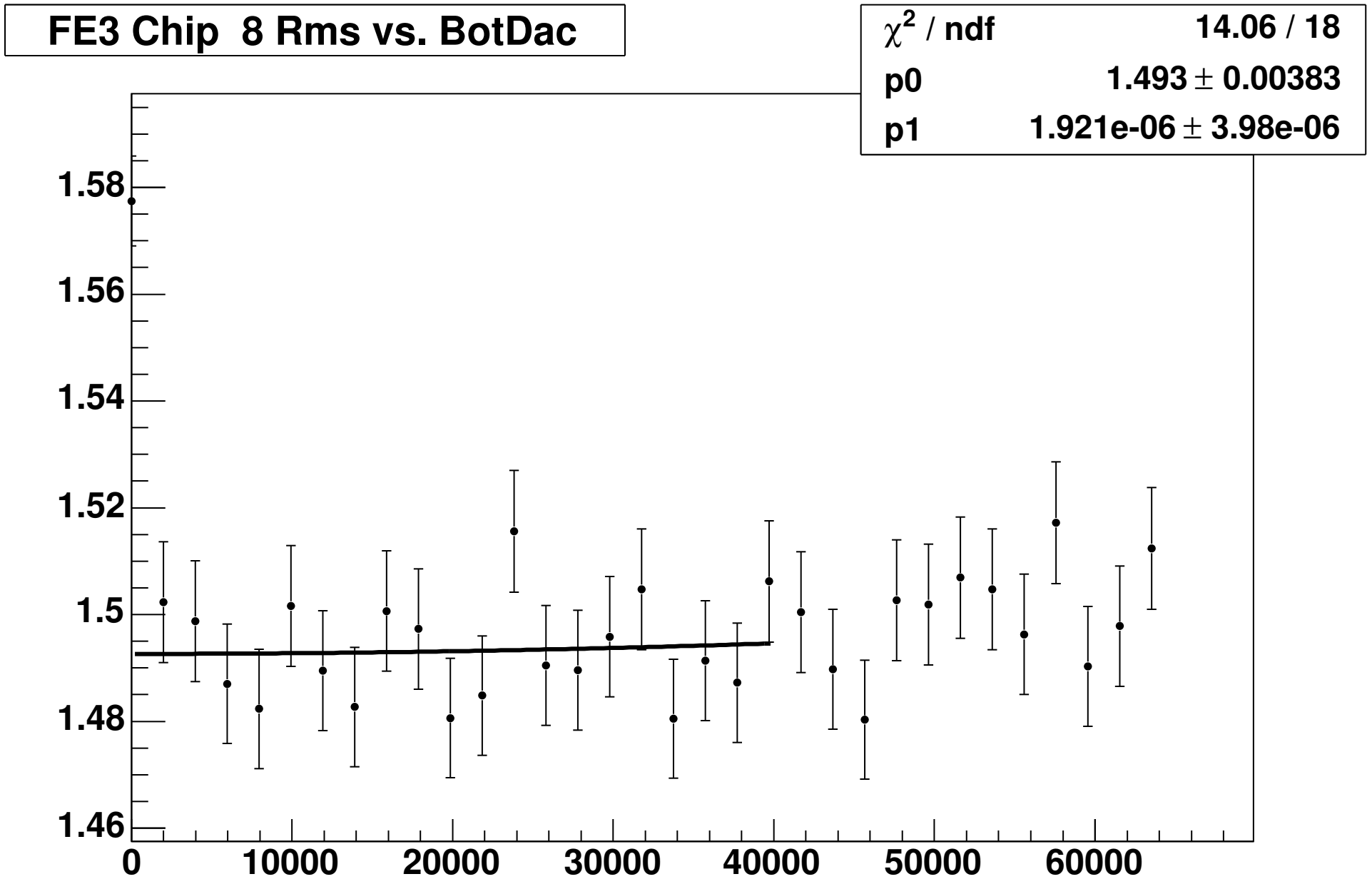

FE3 Chip 7 Mean vs. BotDac
χ^2 / ndf 458.5 / 18
p0 63.84 ± 0.007442
p1 -9.911e-07 ± 3.13e-07
64
63.95
63.9
63.85
63.8
63.75
63.7
63.65
63.6
0
10000
20000
30000
40000
50000
60000

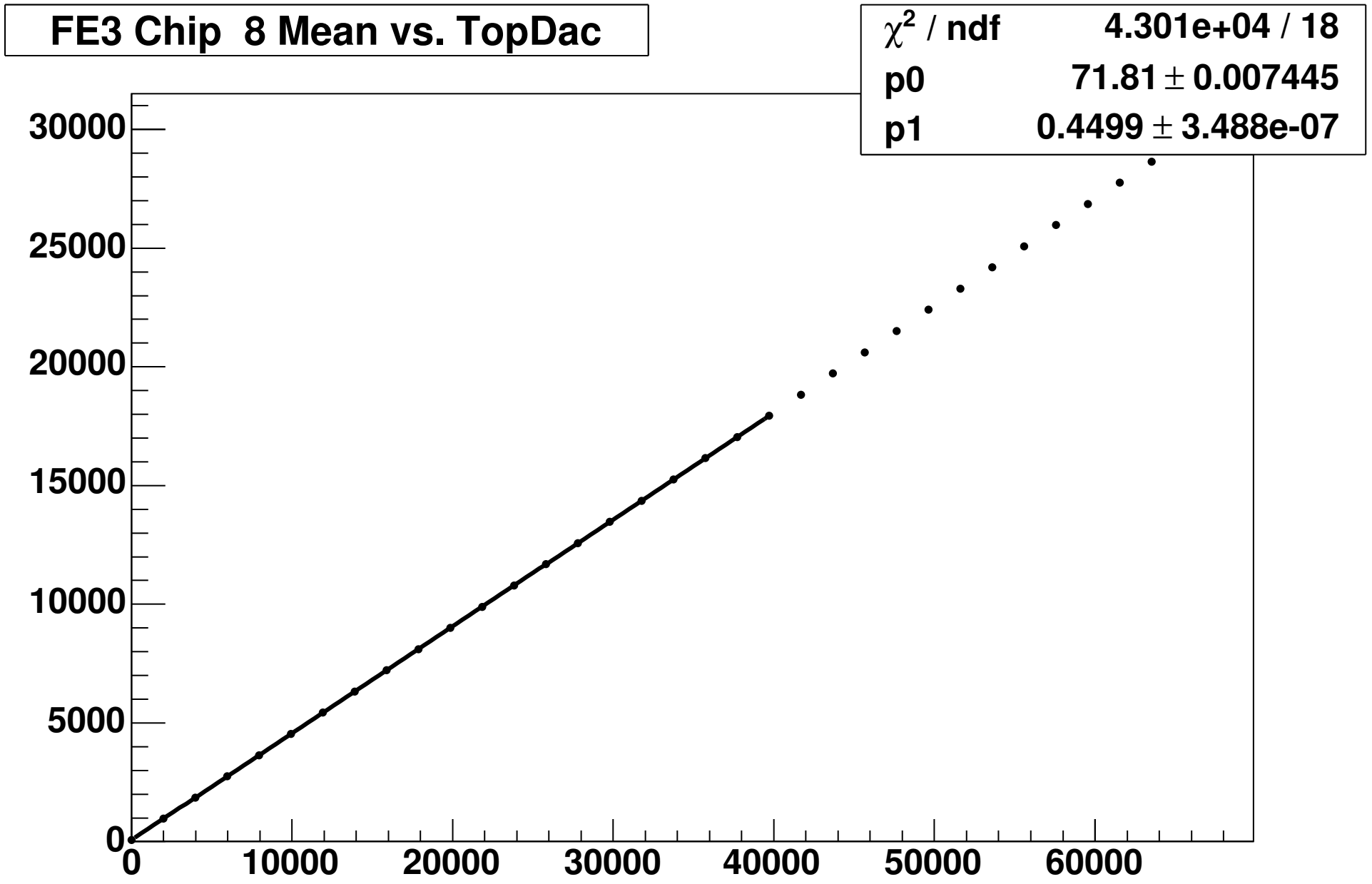

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 13.52 / 18
p0 1.508 ± 0.003881
p1 1.765e-06 ± 4.42e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

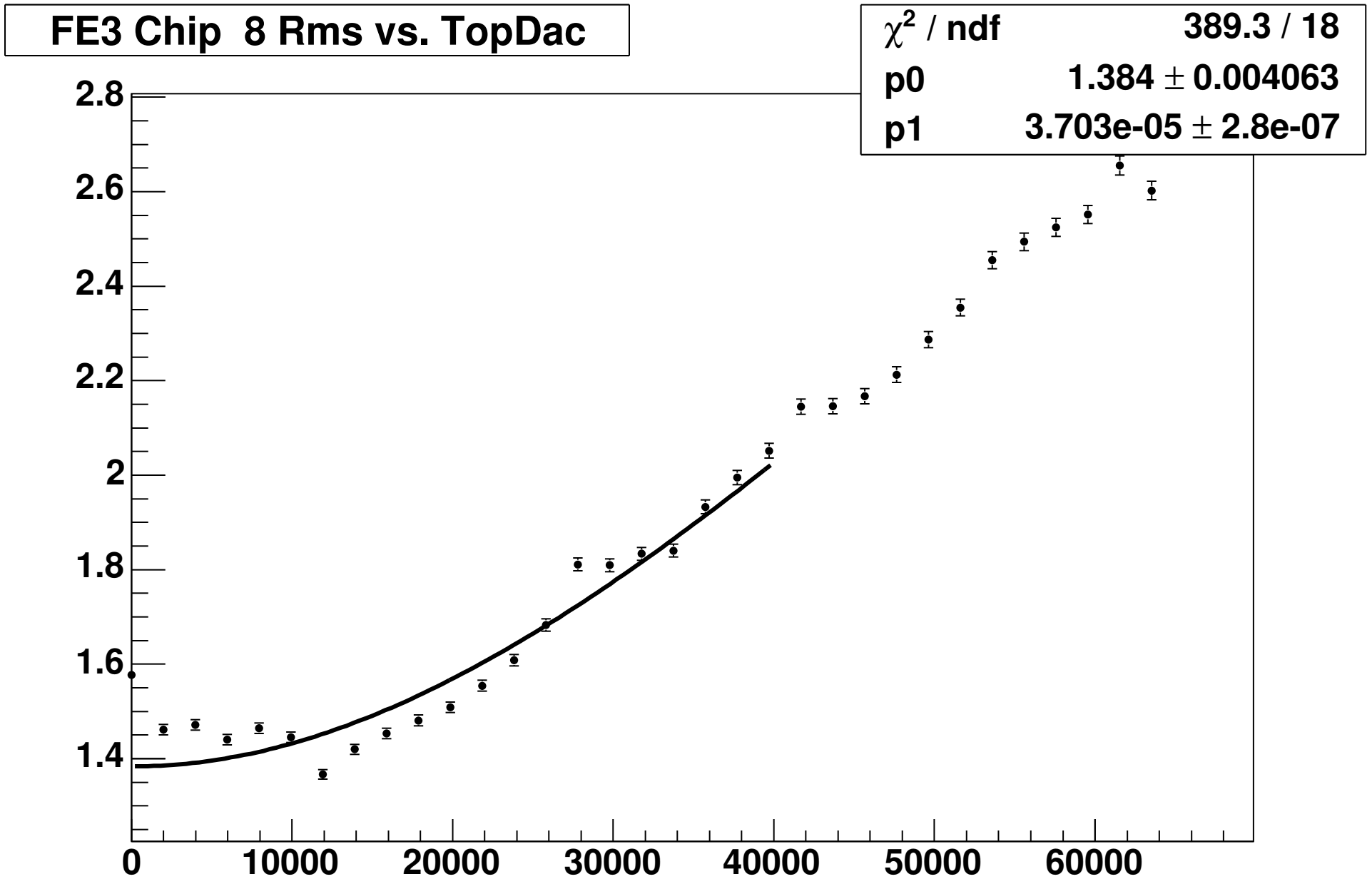

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 2.461e+04 / 18
p0 63.42 ± 0.007444
p1 0.4509 ± 3.516e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

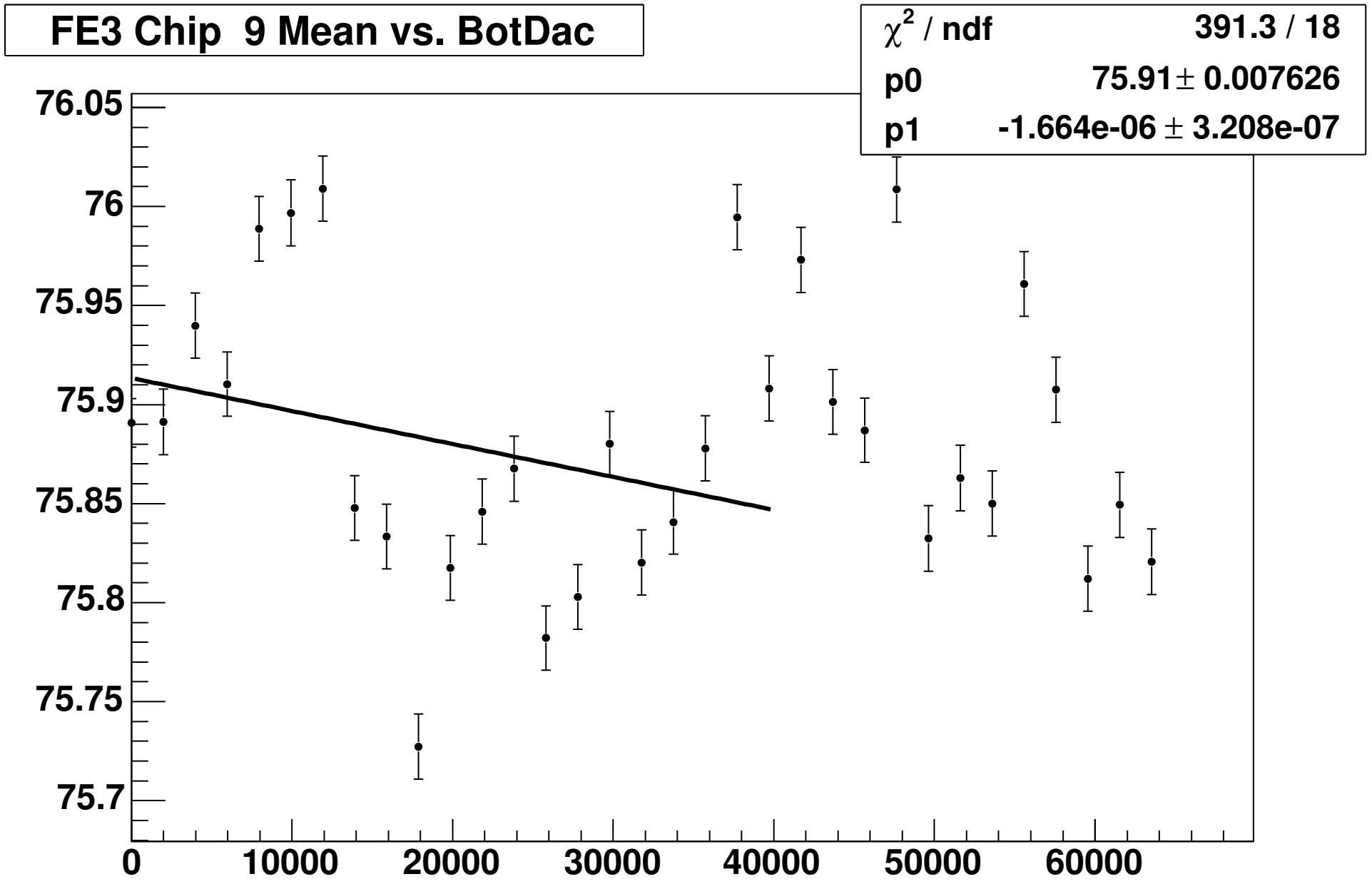

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 637.3 / 18
p0 1.366 ± 0.004061
p1 3.838e-05 ± 2.733e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

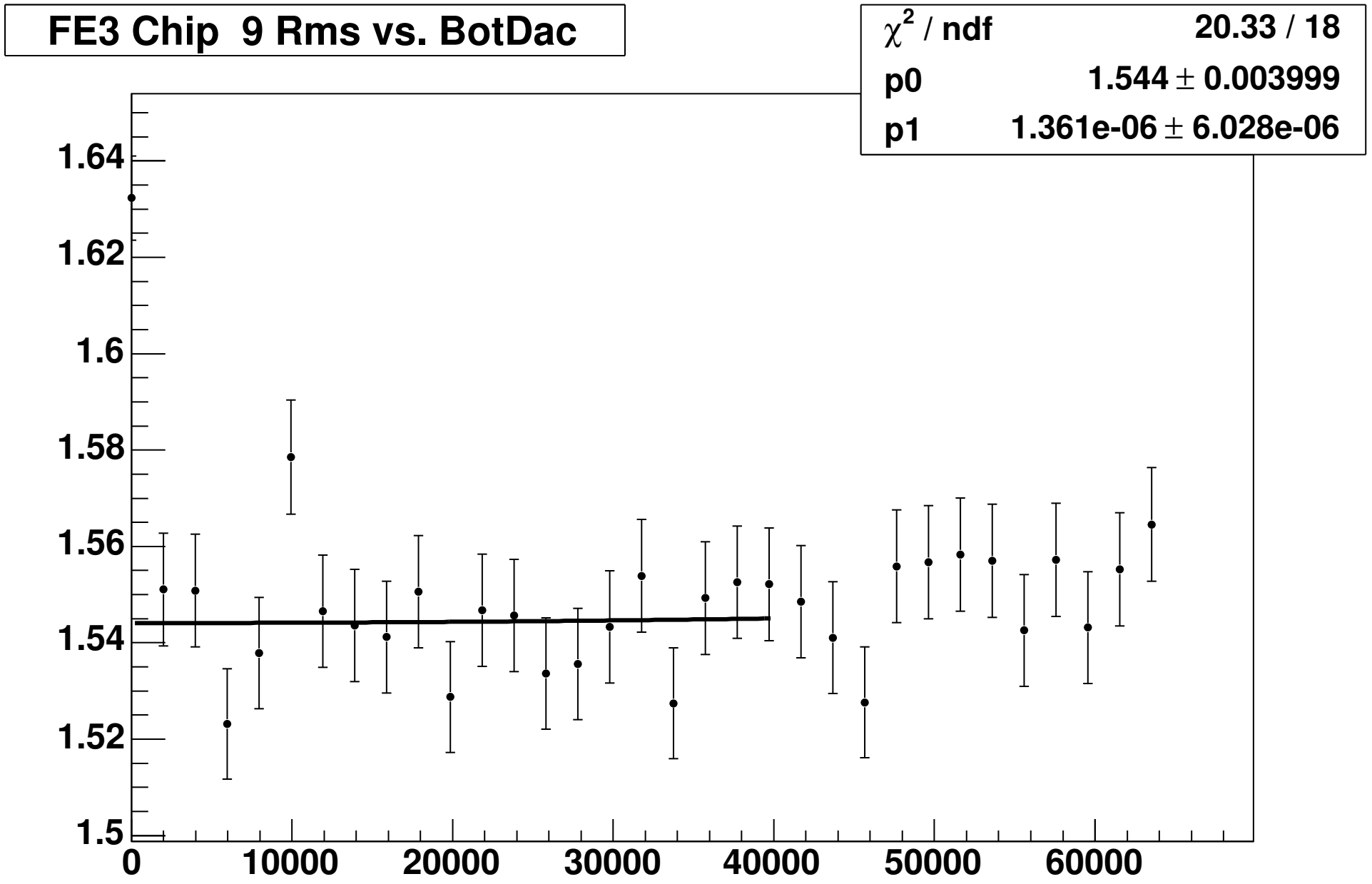

FE3 Chip 8 Mean vs. BotDac
χ^2 / ndf 415.8 / 18
p0 71.94 ± 0.00737
p1 -1.709e-06 ± 3.1e-07
72.05
72
71.95
71.9
71.85
71.8
71.75
0
10000
20000
30000
40000
50000
60000

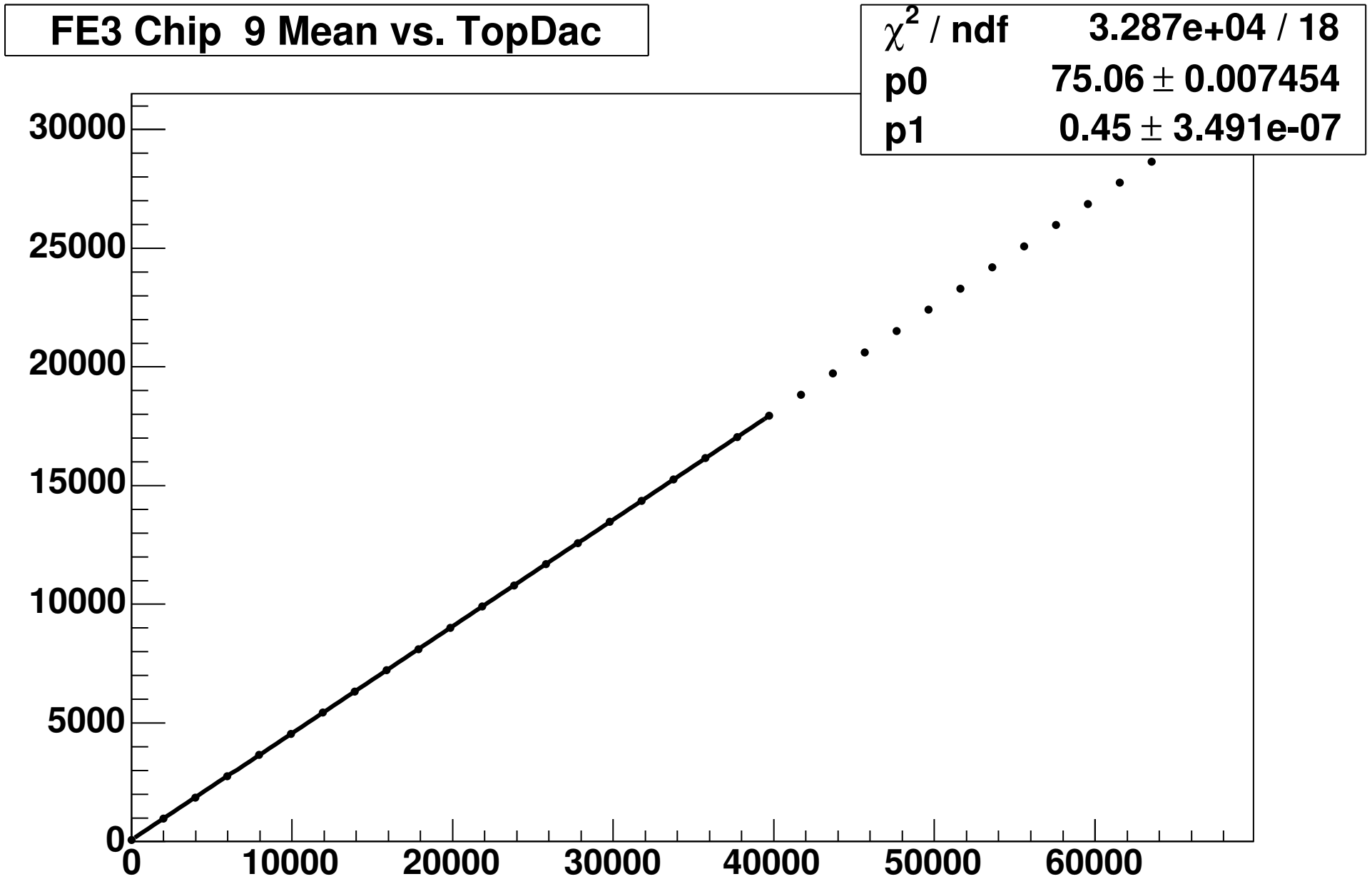

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 14.06 / 18
p0 1.493 ± 0.00383
p1 1.921e-06 ± 3.98e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

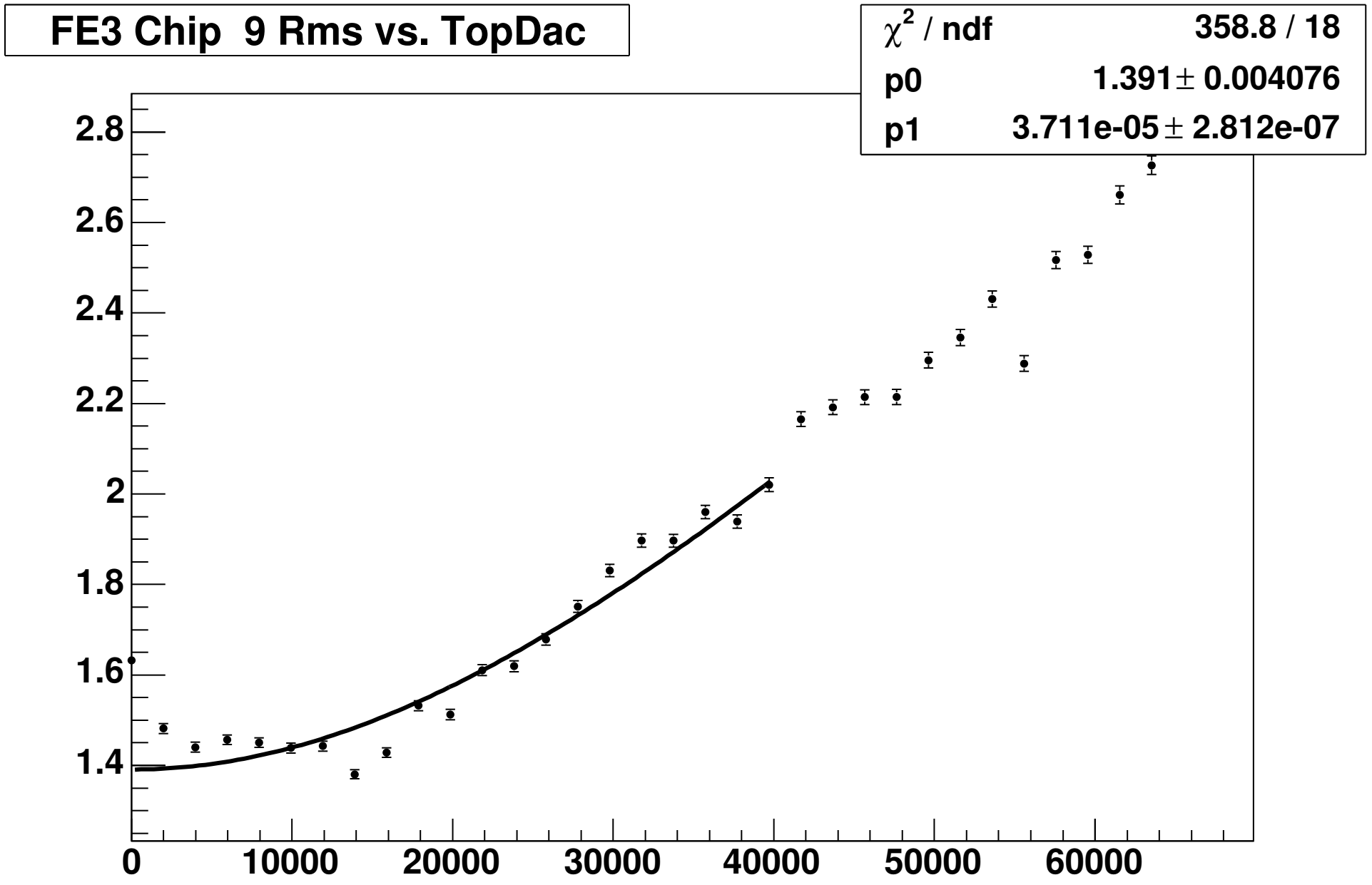

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 4.301e+04 / 18
p0 71.81 ± 0.007445
p1 0.4499 ± 3.488e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

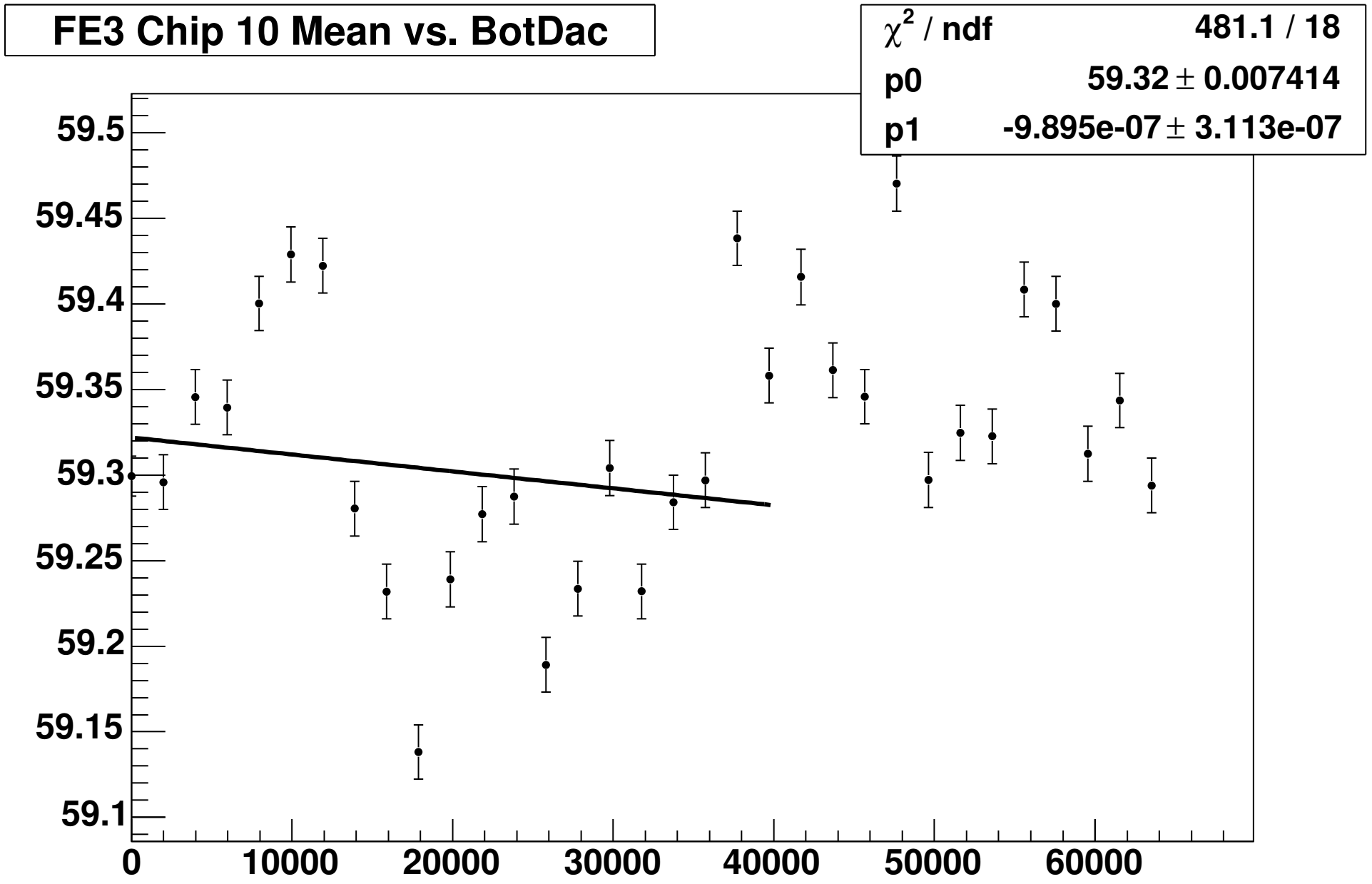

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 389.3 / 18
p0 1.384 ± 0.004063
p1 3.703e-05 ± 2.8e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

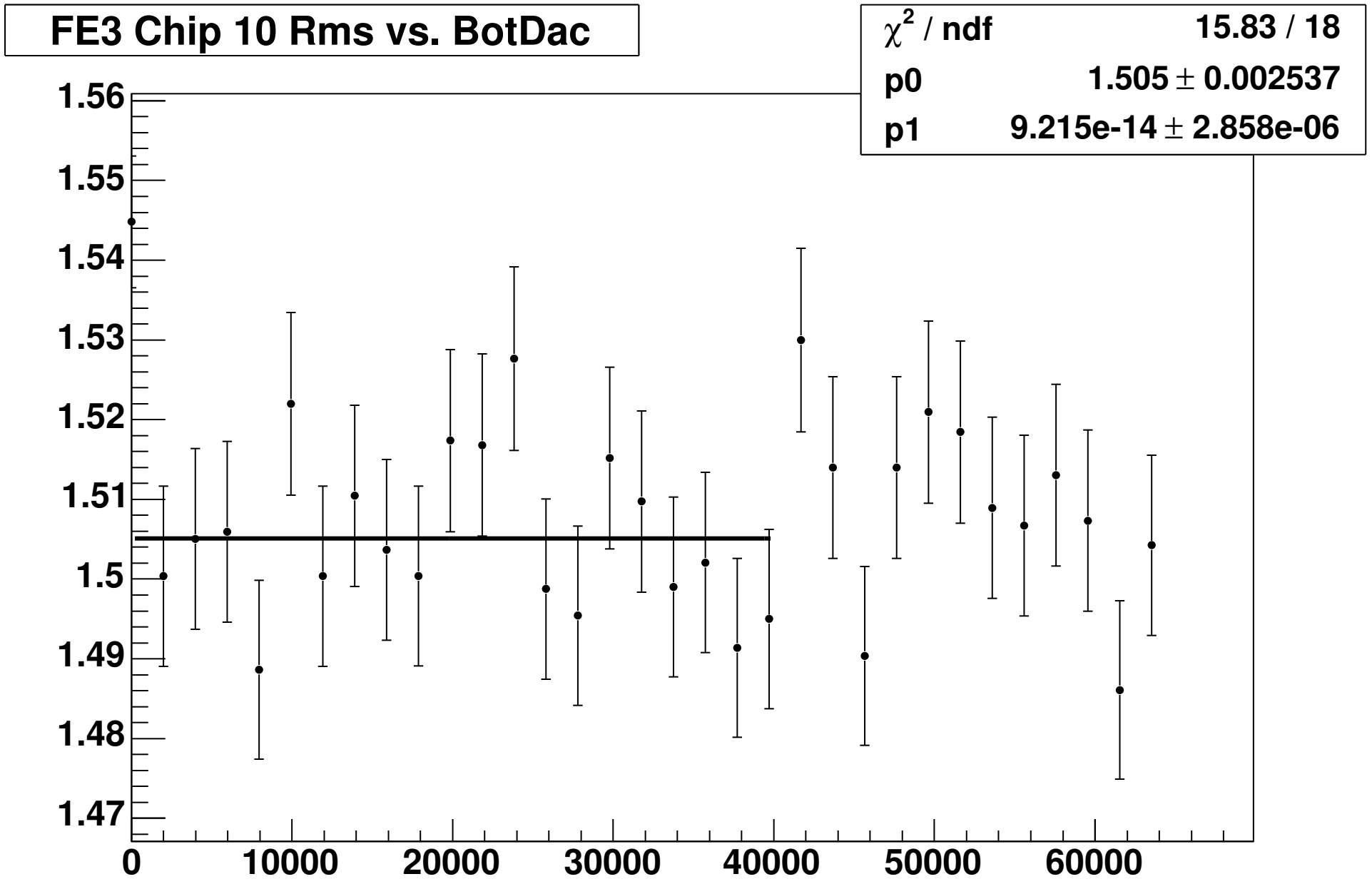

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 391.3 / 18
p0 75.91 ± 0.007626
p1 -1.664e-06 ± 3.208e-07
76.05
76
75.95
75.9
75.85
75.8
75.75
75.7
0
10000
20000
30000
40000
50000
60000

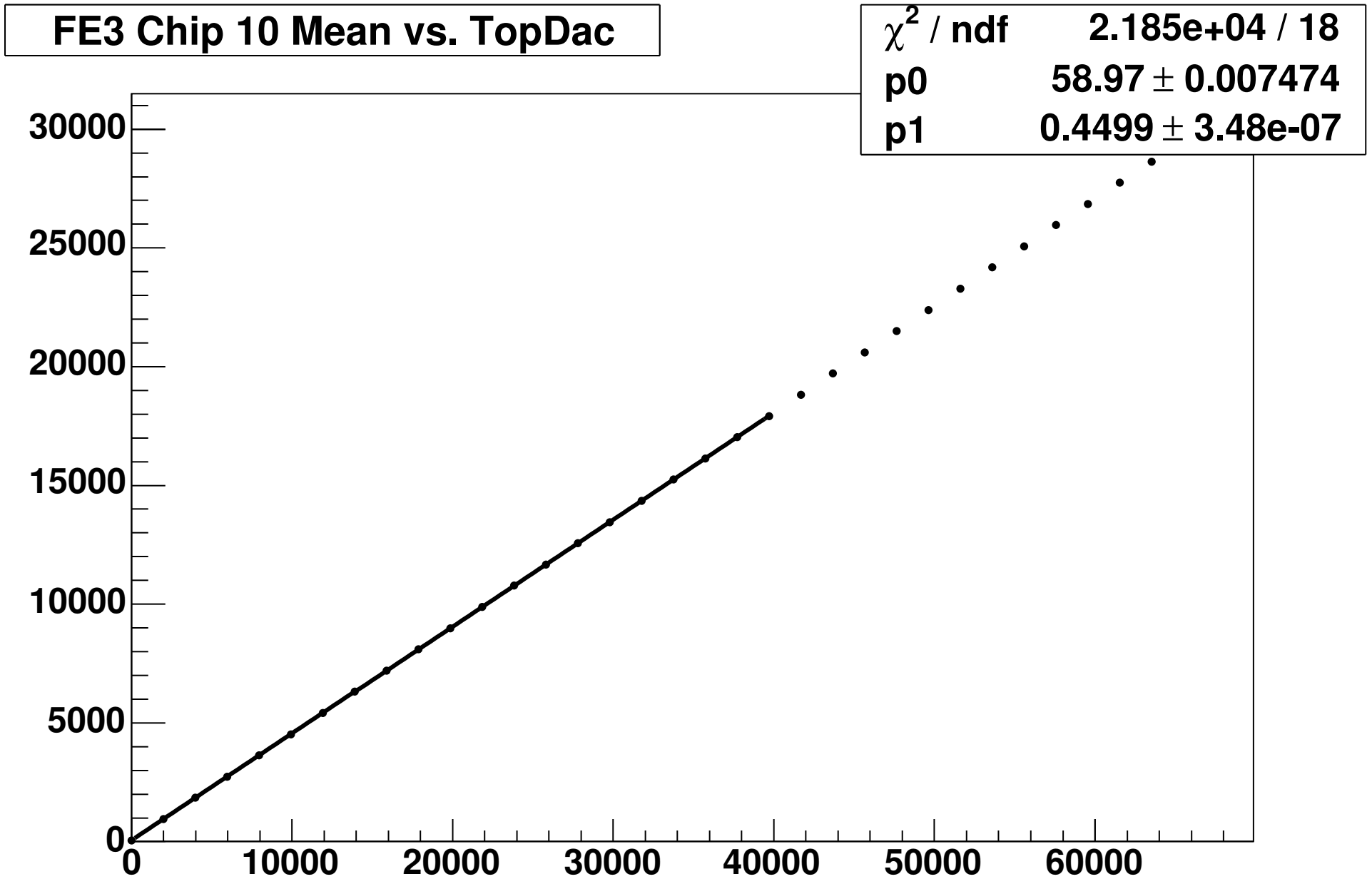

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 20.33 / 18
p0 1.544 ± 0.003999
p1 1.361e-06 ± 6.028e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

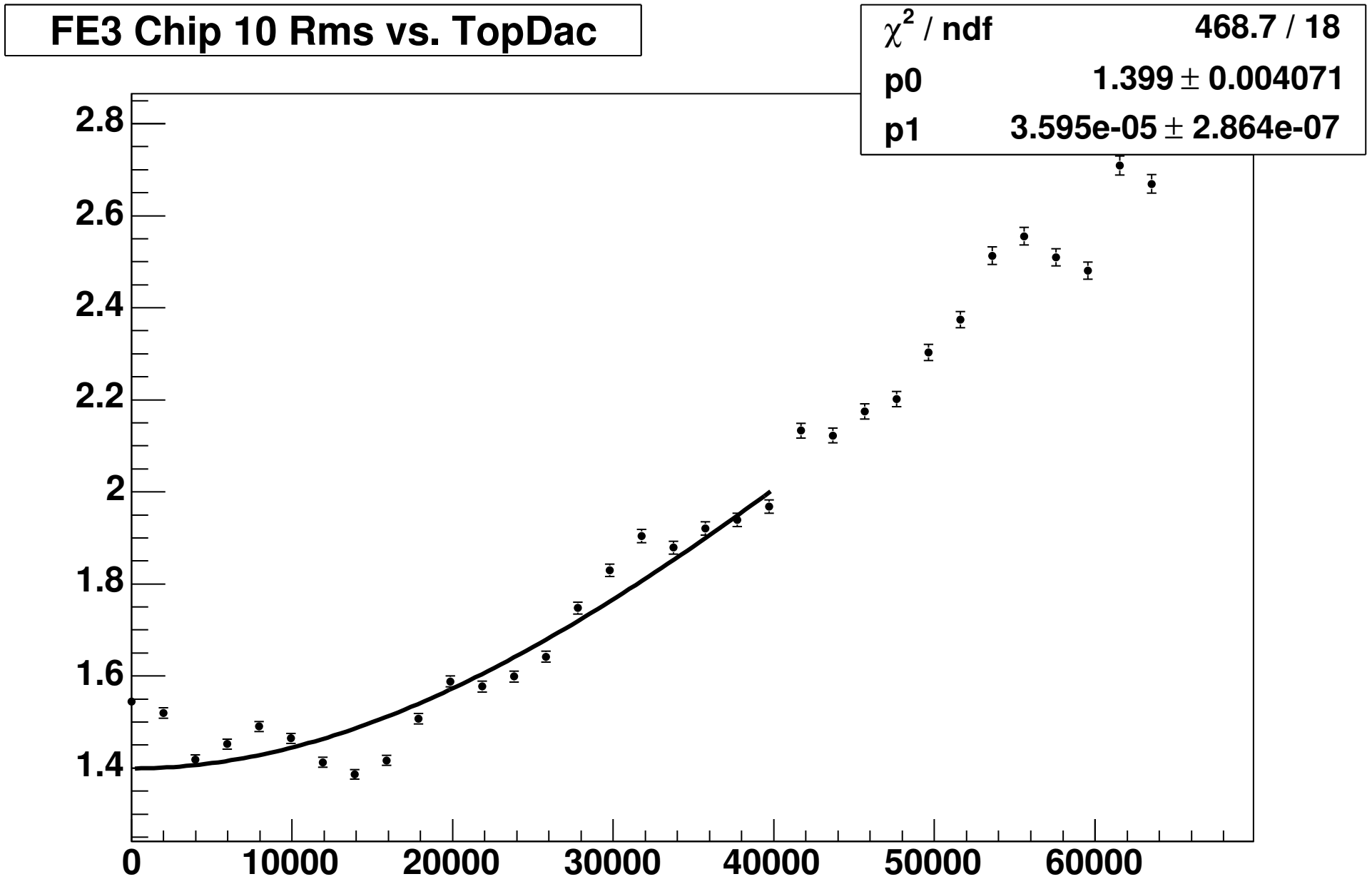

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 3.287e+04 / 18
p0 75.06 ± 0.007454
p1 0.45 ± 3.491e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

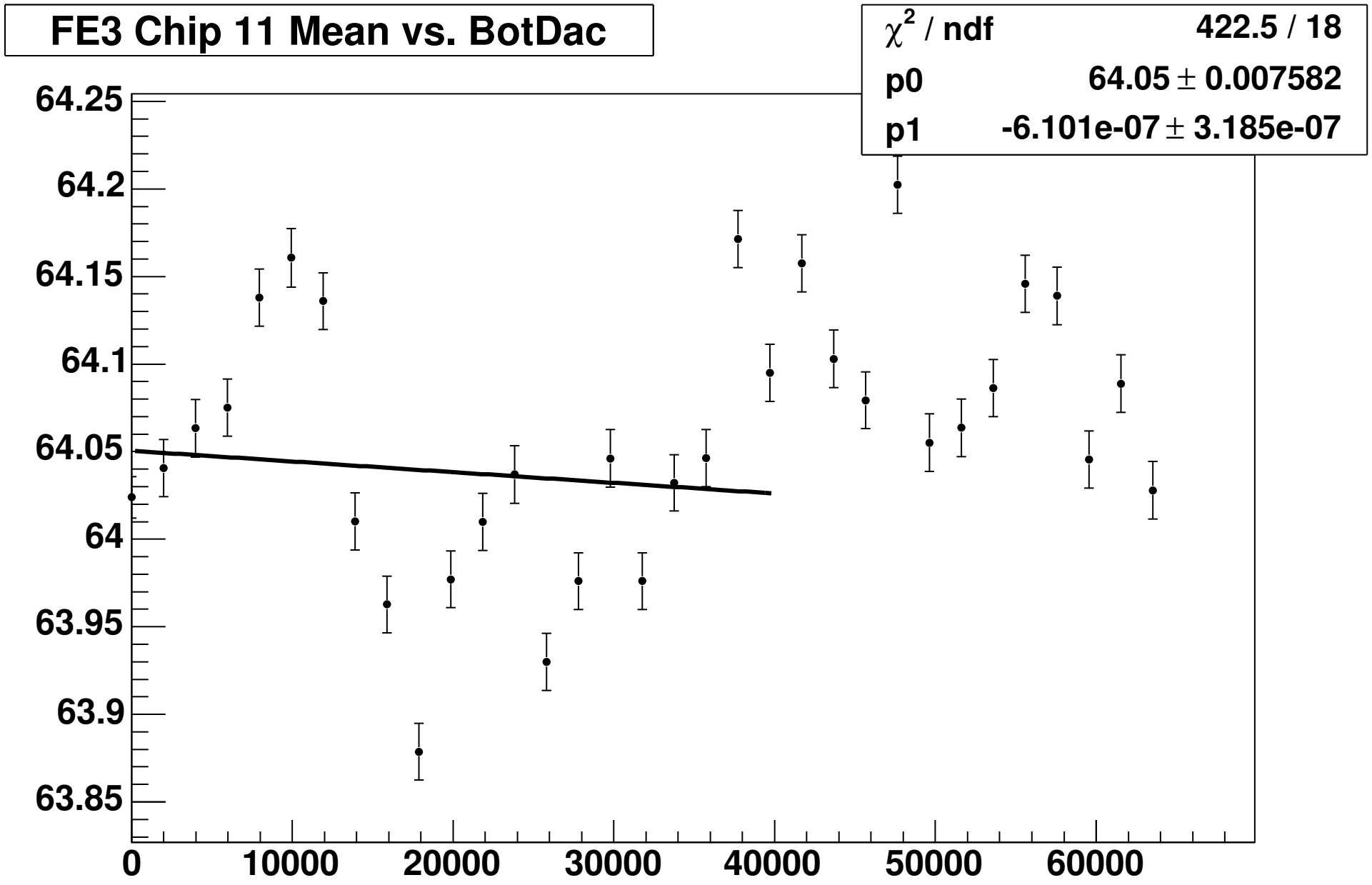

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 358.8 / 18
p0 1.391 ± 0.004076
p1 3.711e-05 ± 2.812e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

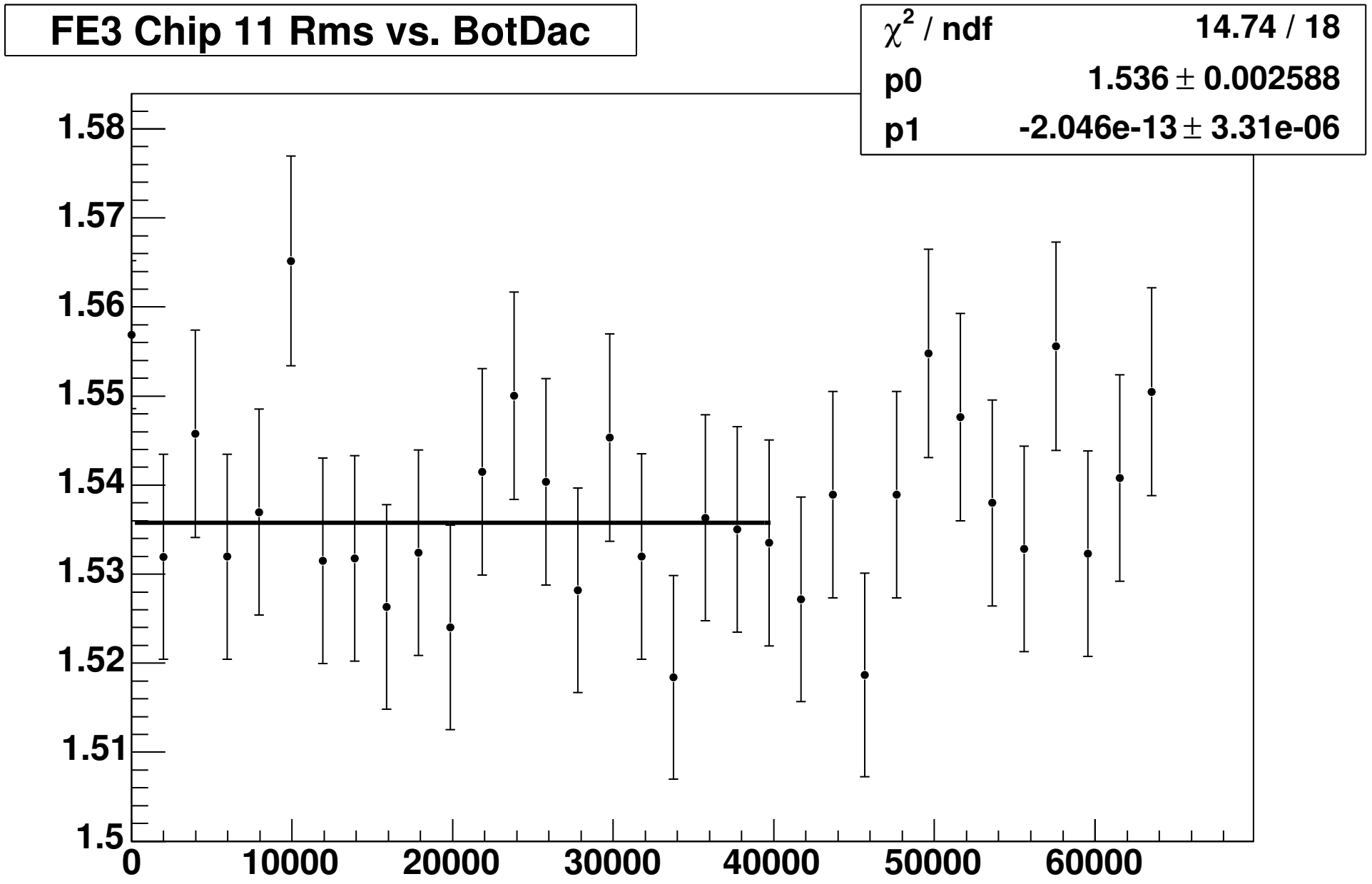

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 481.1 / 18
p0 59.32 ± 0.007414
p1 -9.895e-07 ± 3.113e-07
59.5
59.45
59.4
59.35
59.3
59.25
59.2
59.15
59.1
0
10000
20000
30000
40000
50000
60000

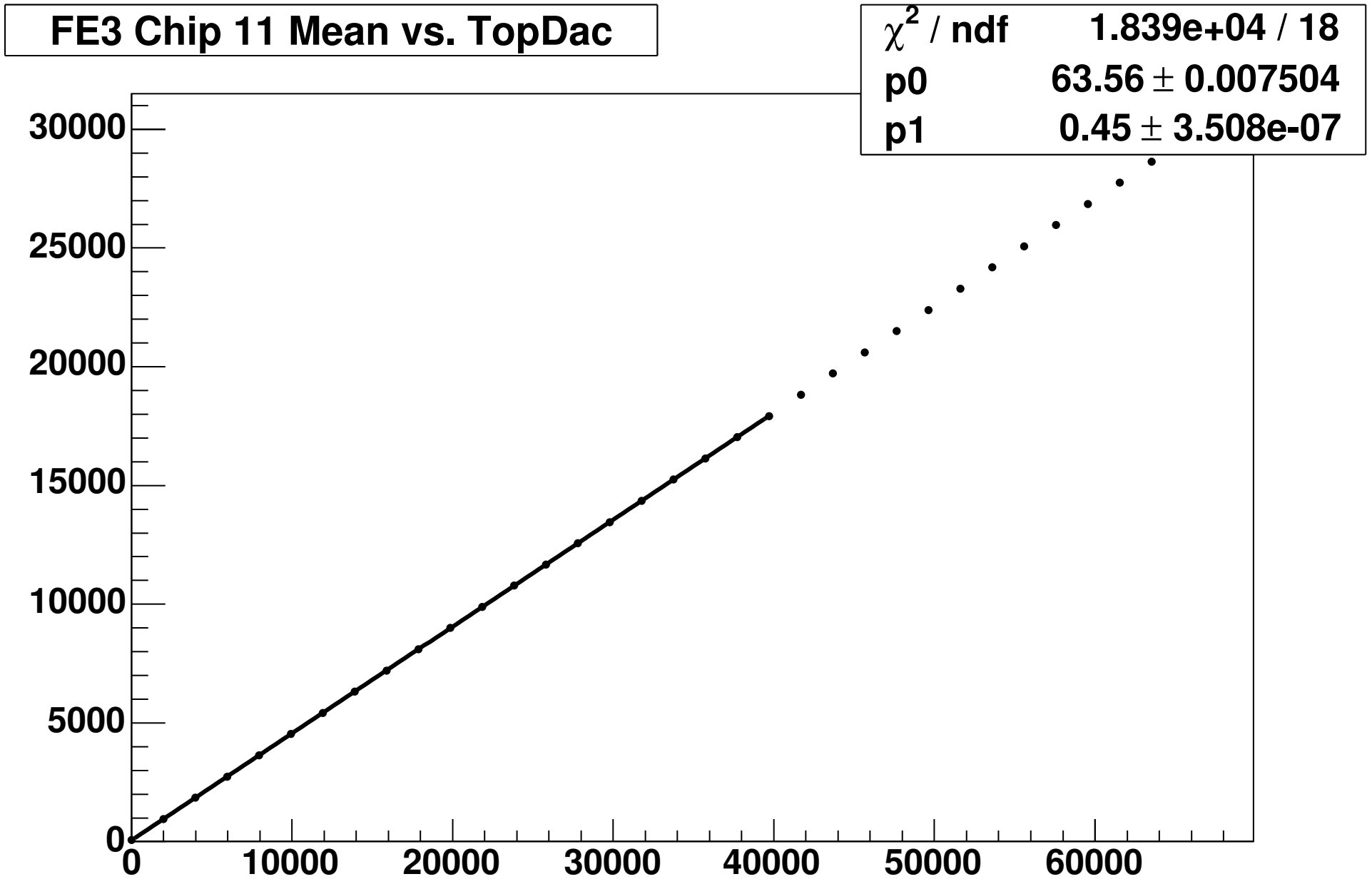

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 15.83 / 18
p0 1.505 ± 0.002537
p1 9.215e-14 ± 2.858e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

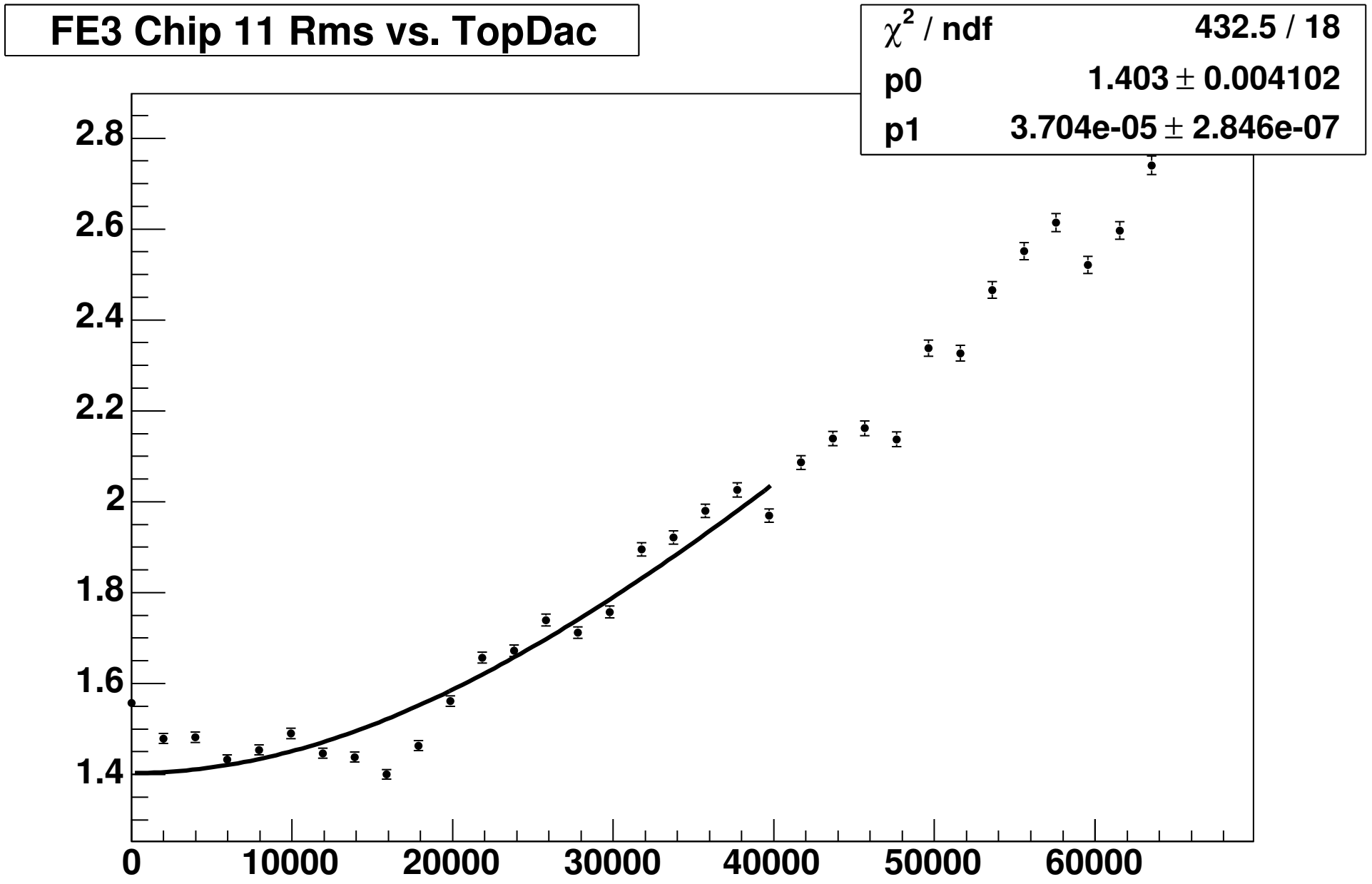

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.185e+04 / 18
p0 58.97 ± 0.007474
p1 0.4499 ± 3.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

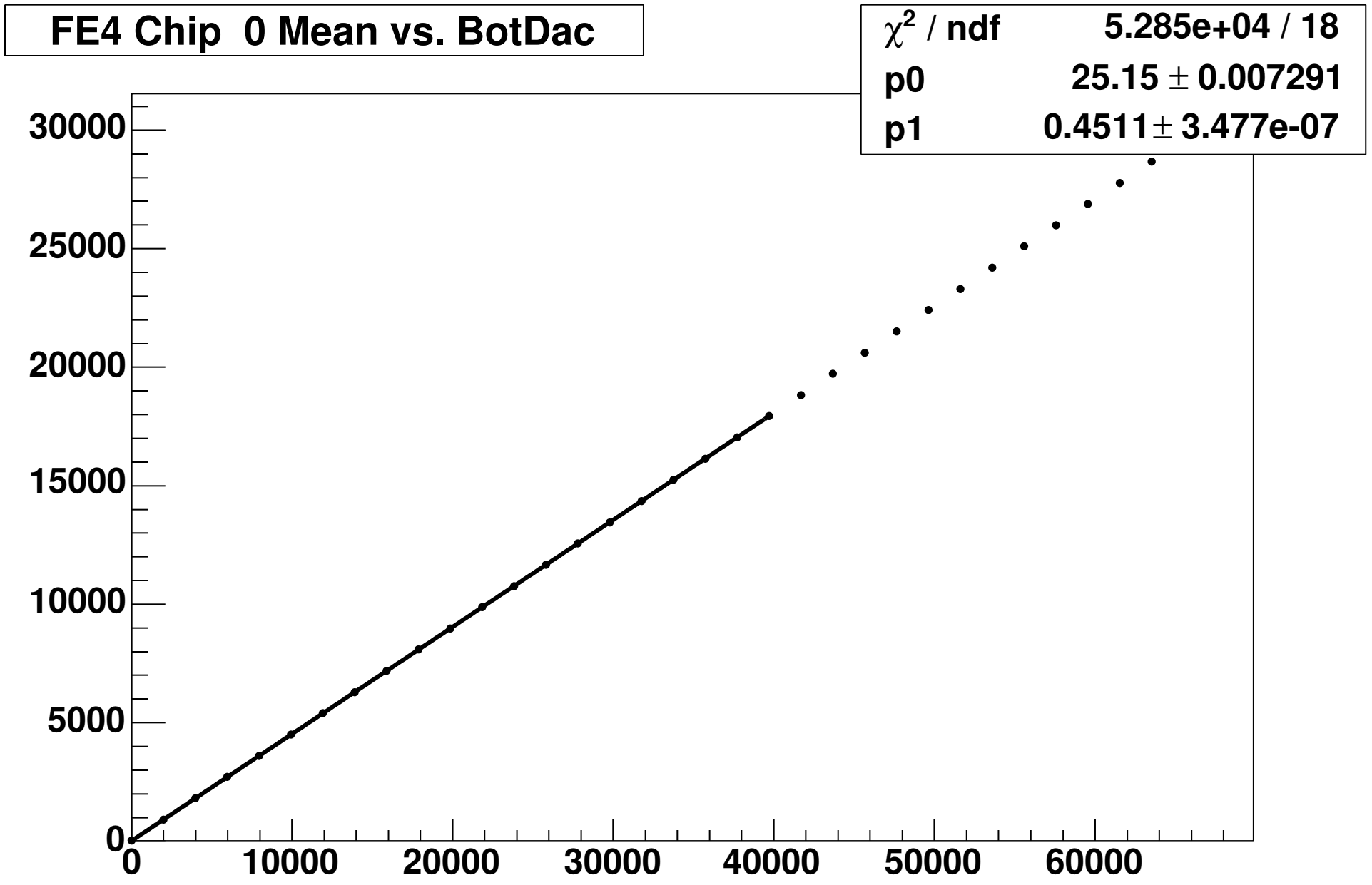

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 468.7 / 18
p0 1.399 ± 0.004071
p1 3.595e-05 ± 2.864e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

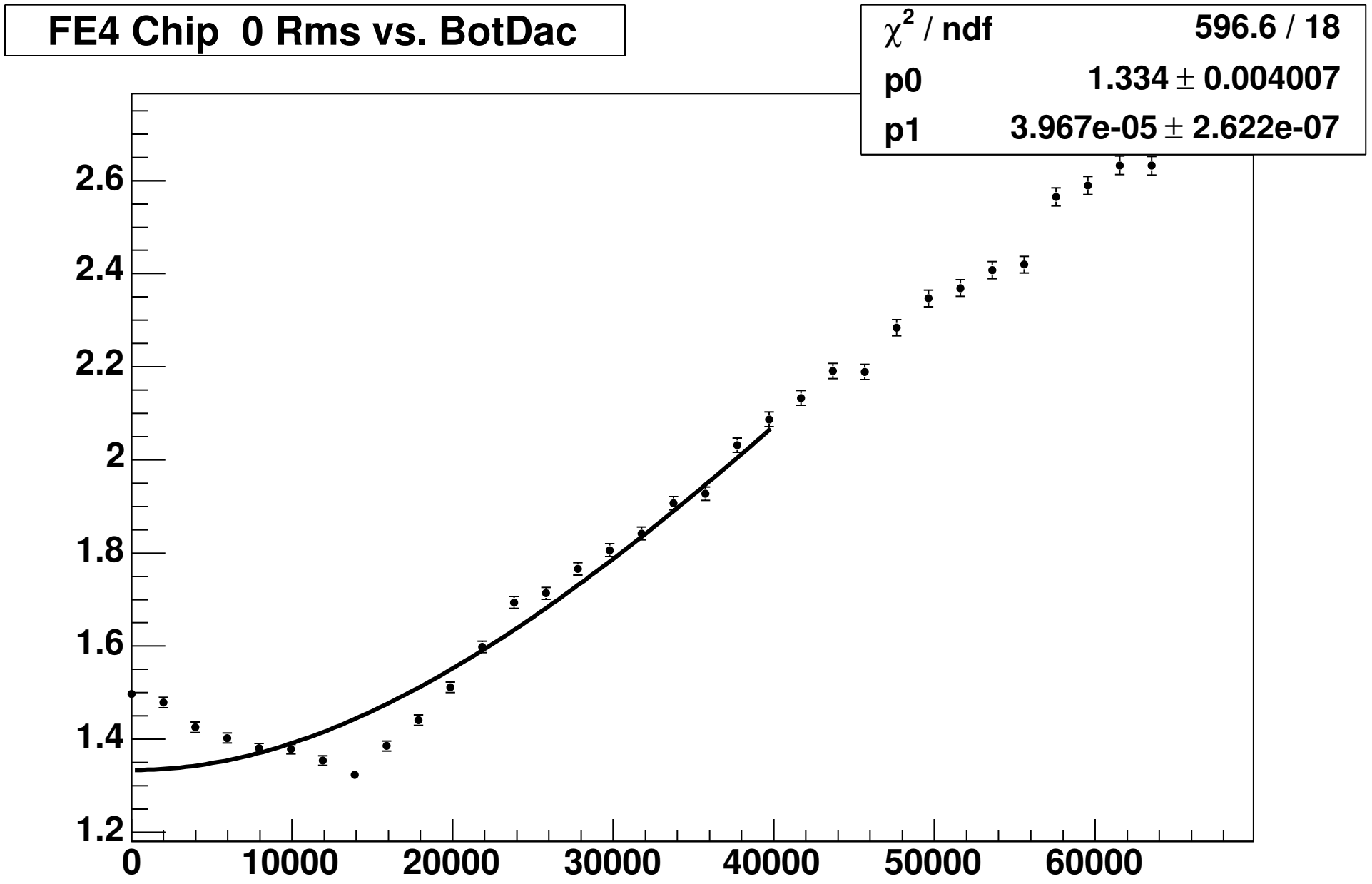

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 422.5 / 18
p0 64.05 ± 0.007582
p1 -6.101e-07 ± 3.185e-07
64.25
64.2
64.15
64.1
64.05
64
63.95
63.9
63.85
0
10000
20000
30000
40000
50000
60000

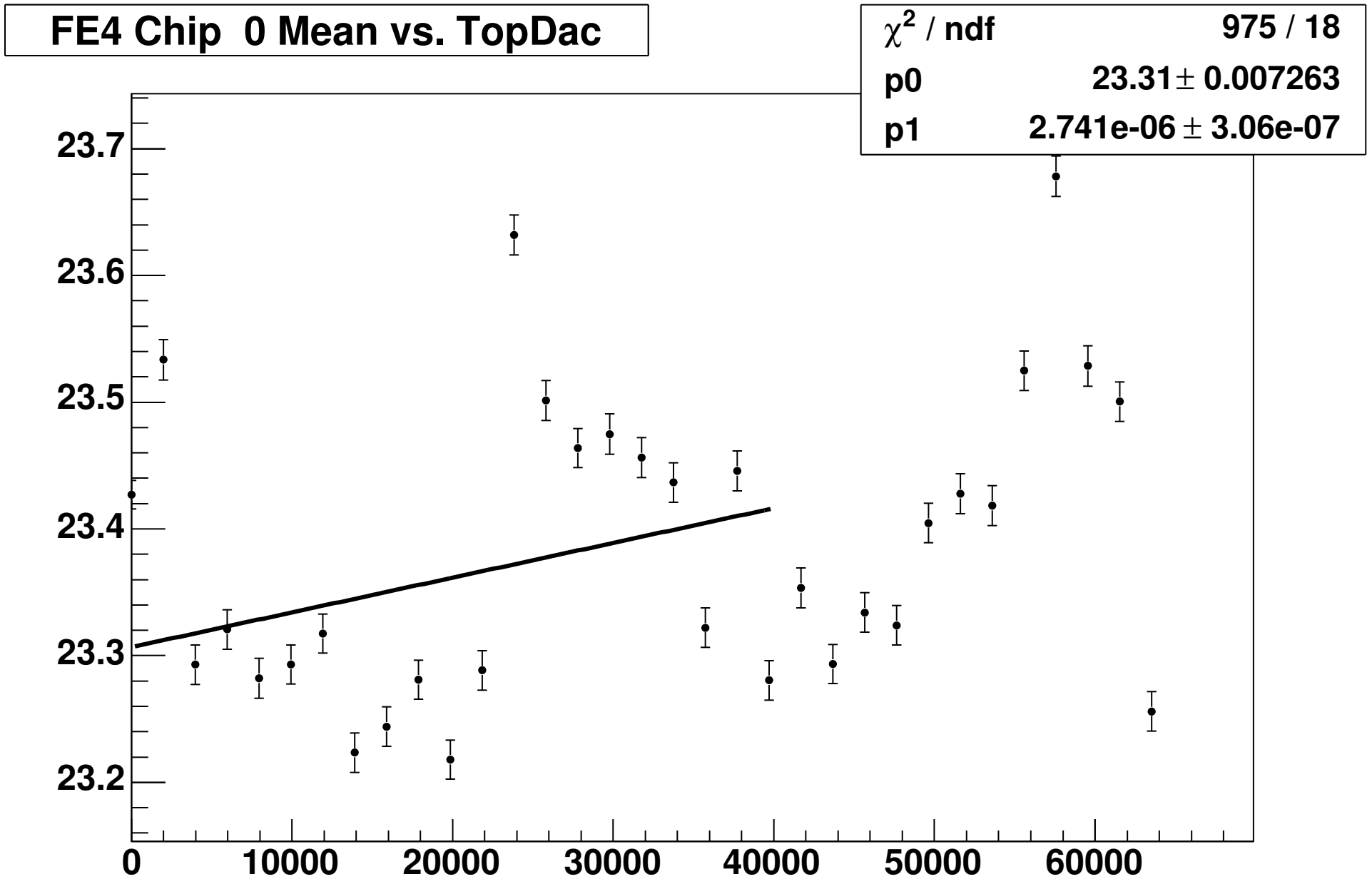

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 14.74 / 18
p0 1.536 ± 0.002588
p1 -2.046e-13 ± 3.31e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

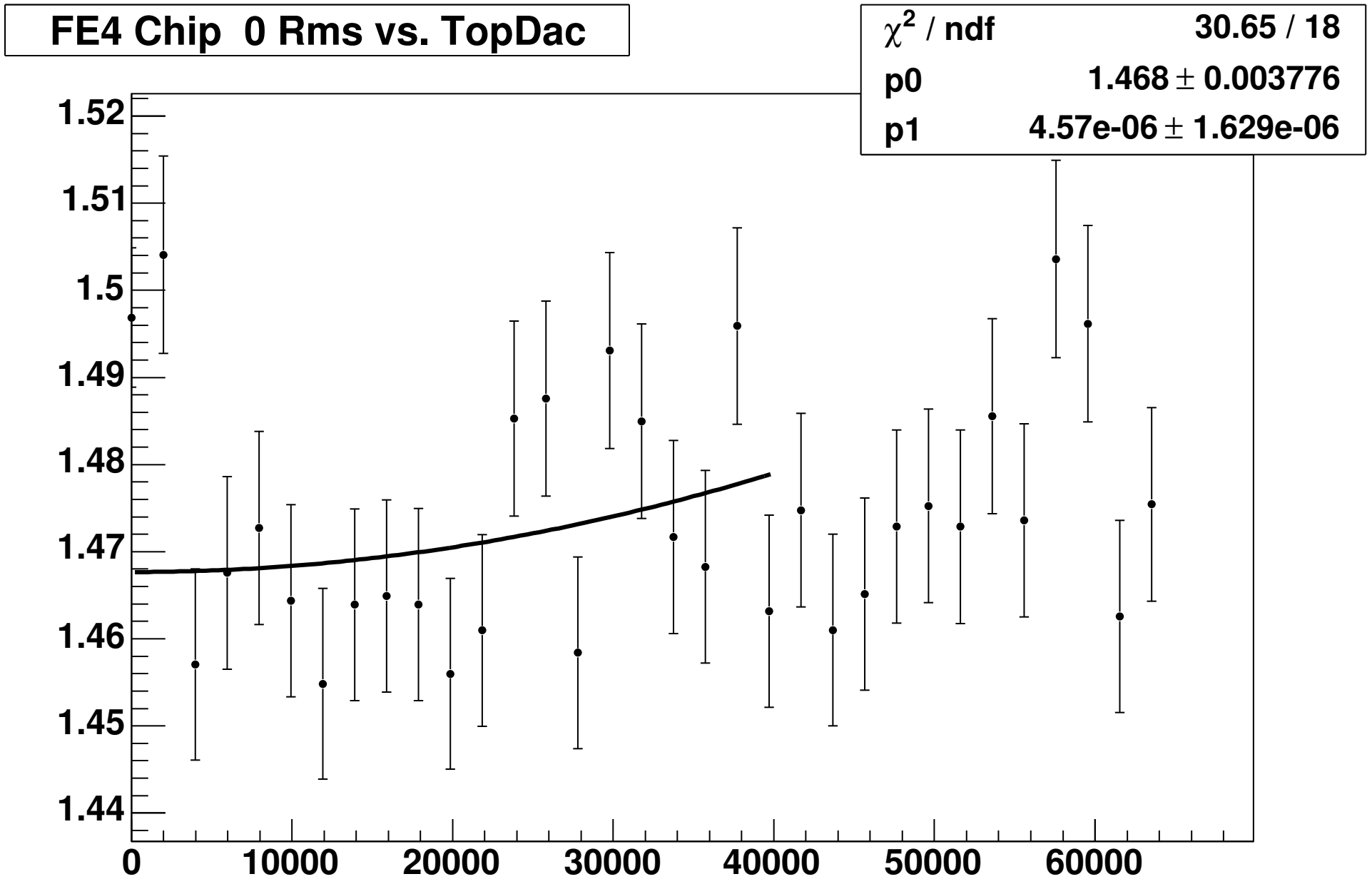

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.839e+04 / 18
p0 63.56 ± 0.007504
p1 0.45 ± 3.508e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 432.5 / 18
p0 1.403 ± 0.004102
p1 3.704e-05 ± 2.846e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 5.285e+04 / 18
p0 25.15 ± 0.007291
p1 0.4511 ± 3.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 596.6 / 18
p0 1.334 ± 0.004007
p1 3.967e-05 ± 2.622e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 975 / 18
p0 23.31 ± 0.007263
p1 2.741e-06 ± 3.06e-07
23.7
23.6
23.5
23.4
23.3
23.2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 30.65 / 18
p0 1.468 ± 0.003776
p1 4.57e-06 ± 1.629e-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
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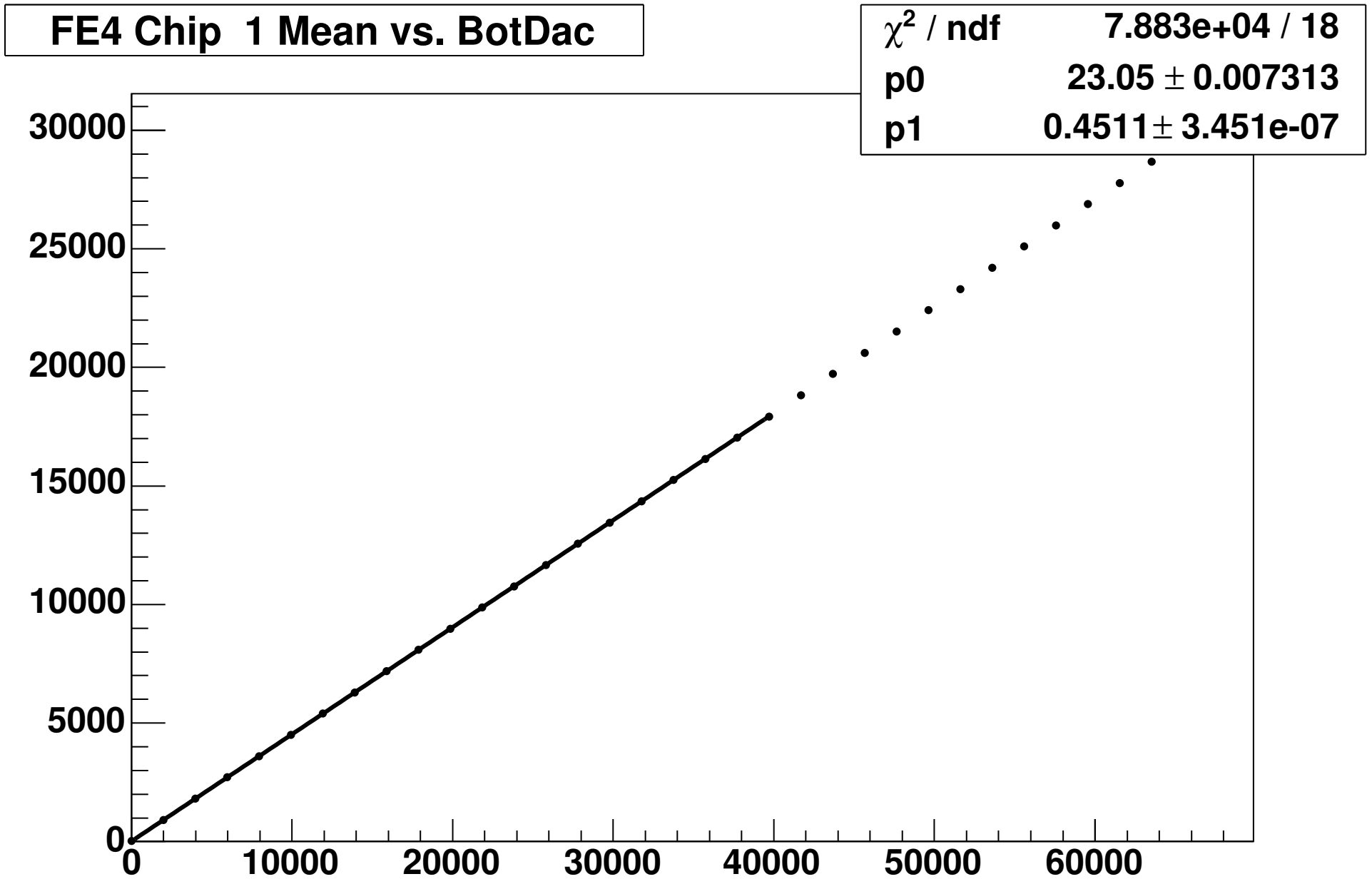
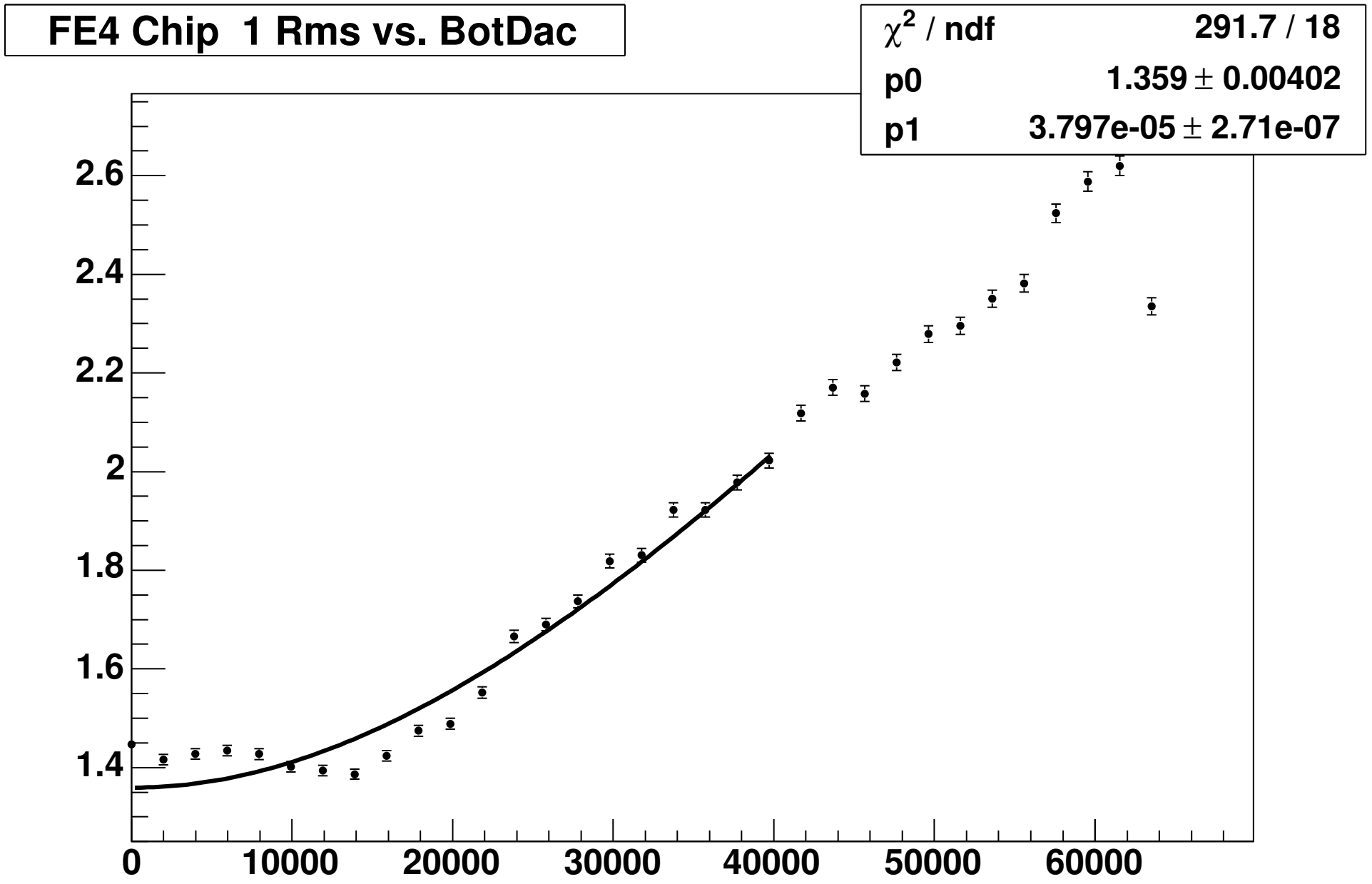

FE4 Chip 1 Mean vs. BotDac
χ² / ndf 7.883e+04 / 18
p0 23.05 ± 0.007313
p1 0.4511 ± 3.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 291.7 / 18
p0 1.359 ± 0.00402
p1 3.797e-05 ± 2.71e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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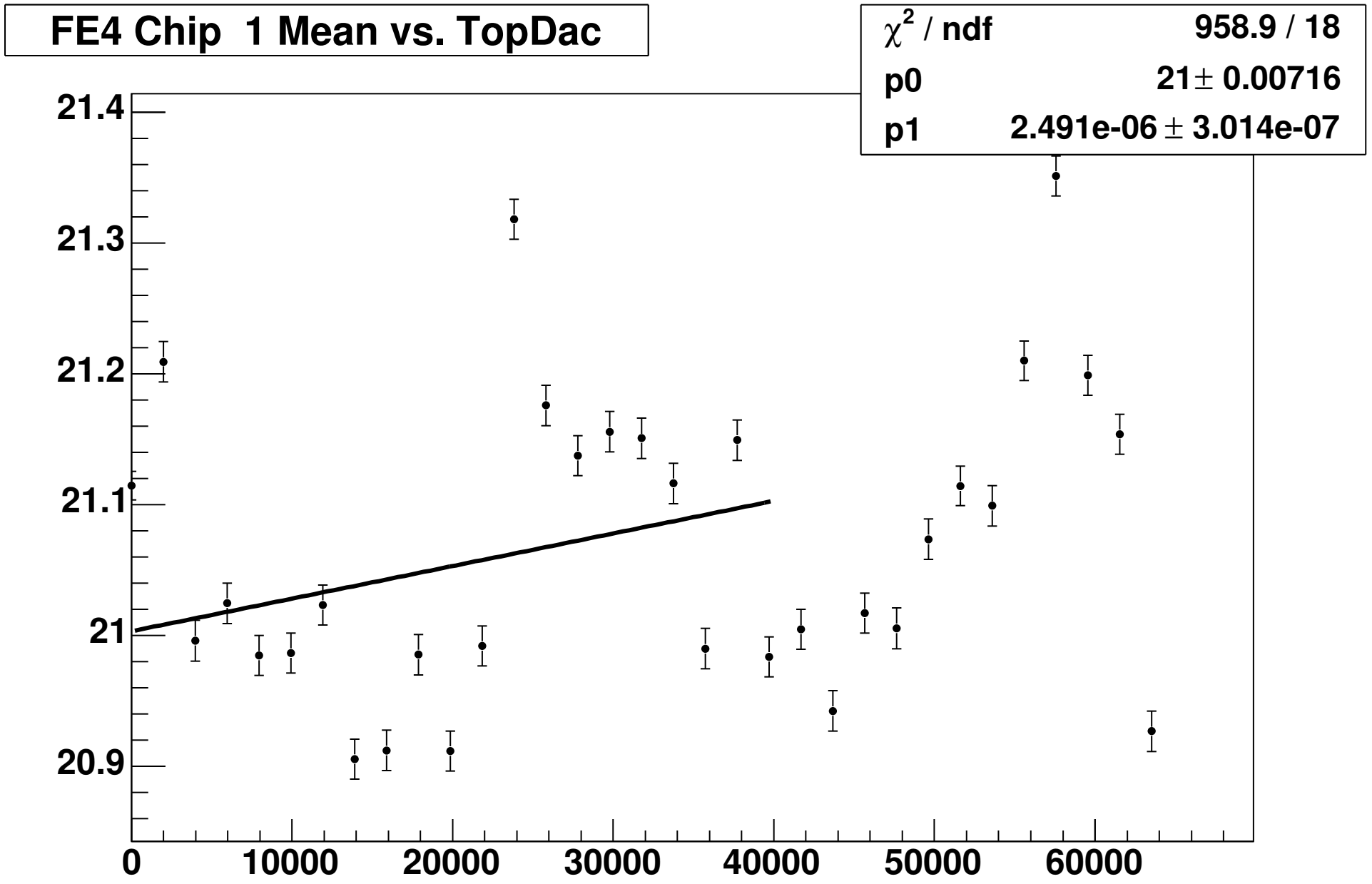
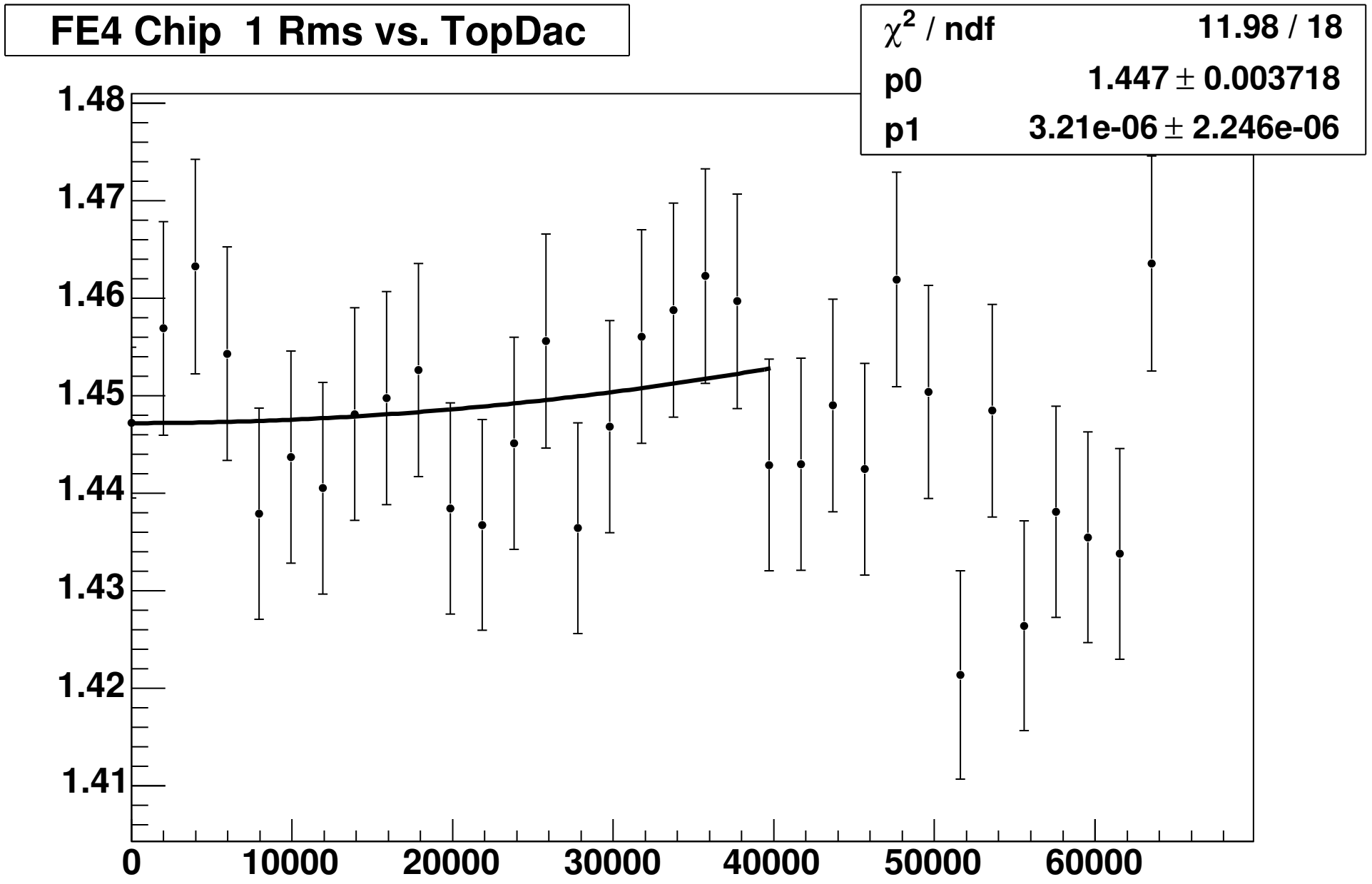

FE4 Chip 1 Mean vs. TopDac
χ² / ndf 958.9 / 18
p0 21 ± 0.00716
p1 2.491e-06 ± 3.014e-07
21.4
21.3
21.2
21.1
21
20.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 11.98 / 18
p0 1.447 ± 0.003718
p1 3.21e-06 ± 2.246e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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40000
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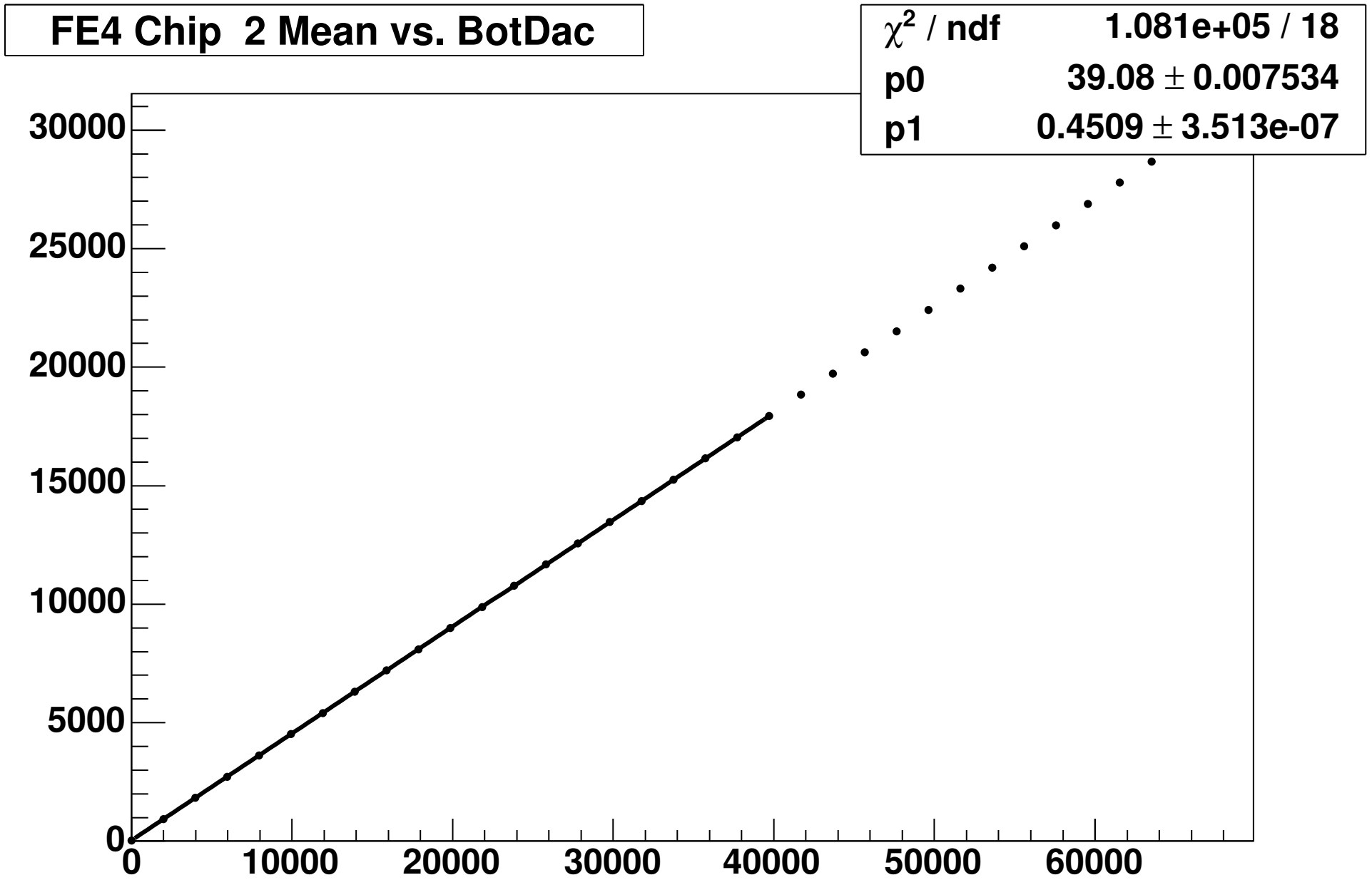
60000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.081e+05 / 18
p0 39.08 ± 0.007534
p1 0.4509 ± 3.513e-07
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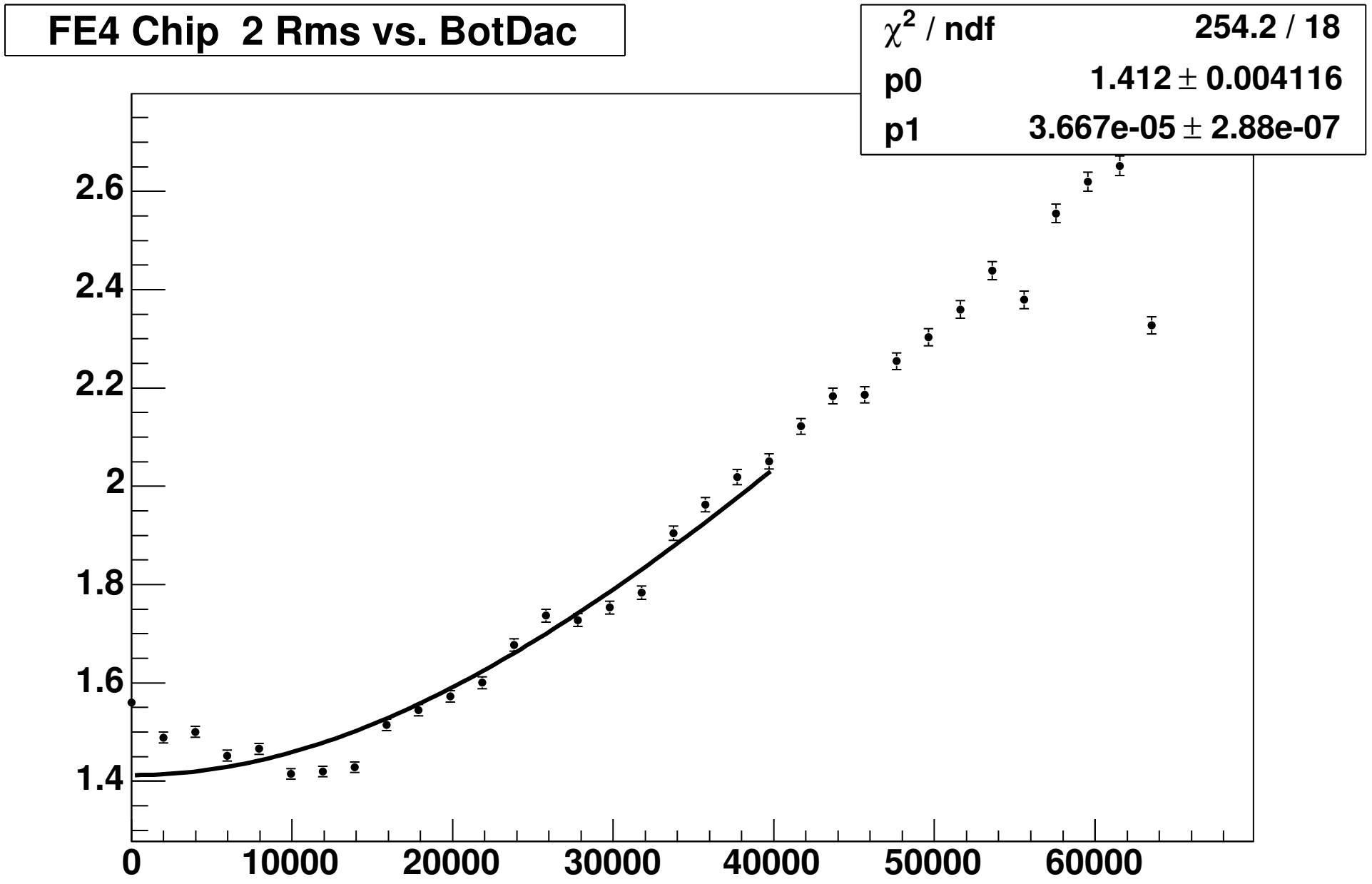
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 254.2 / 18
p0 1.412 ± 0.004116
p1 3.667e-05 ± 2.88e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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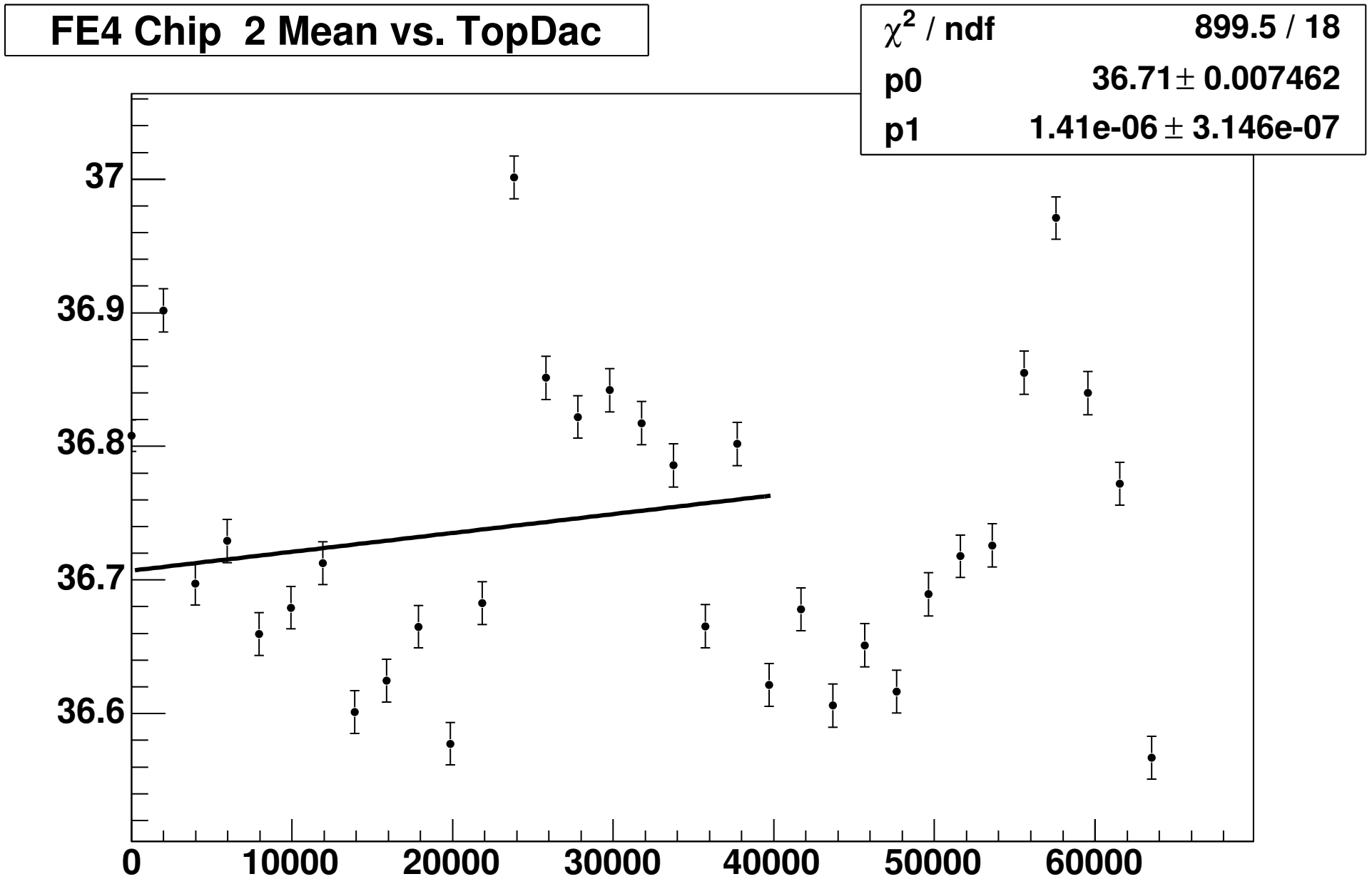
50000
60000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 899.5 / 18
p0 36.71 ± 0.007462
p1 1.41e-06 ± 3.146e-07
37
36.9
36.8
36.7
36.6
0
10000
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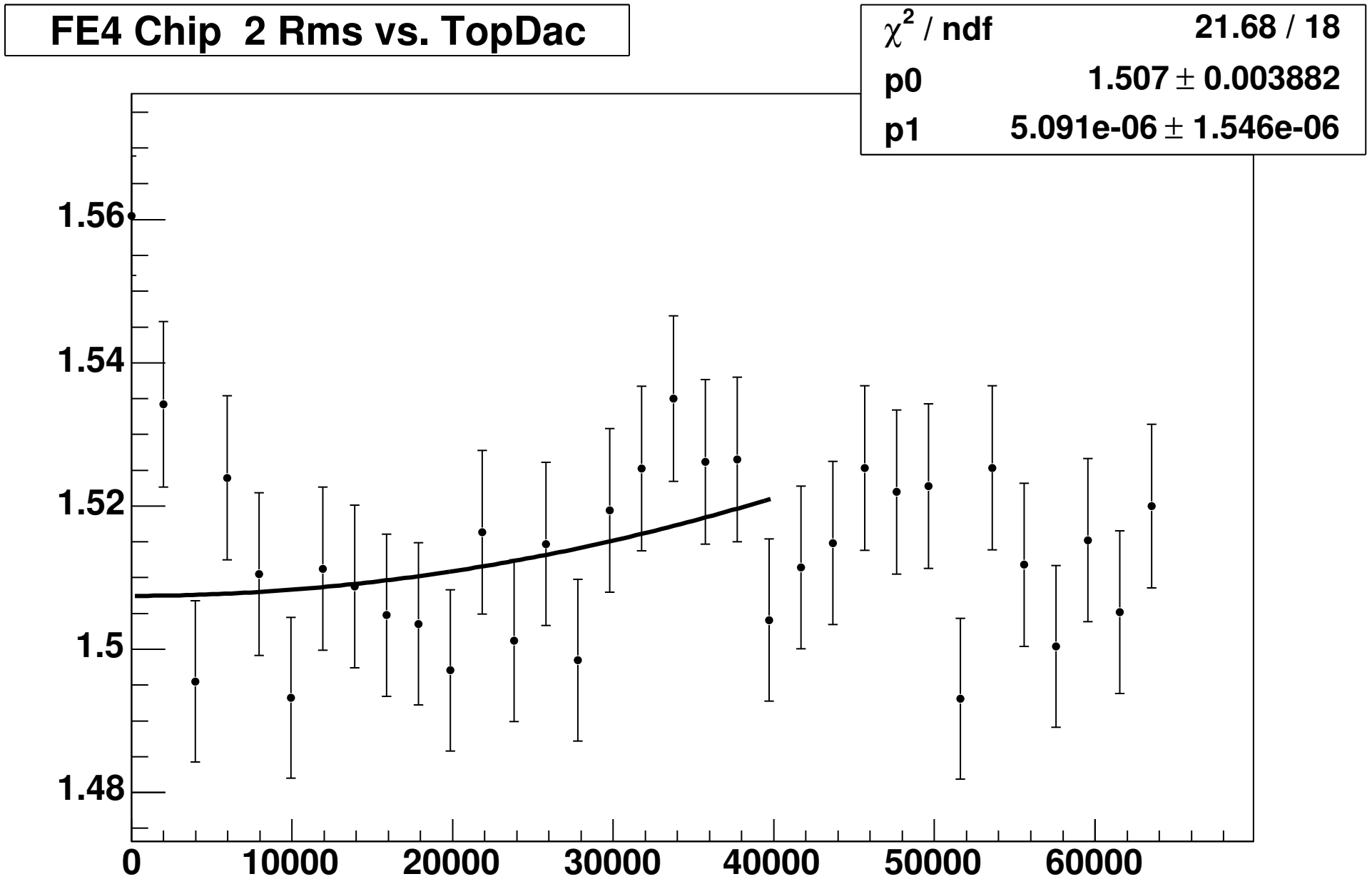
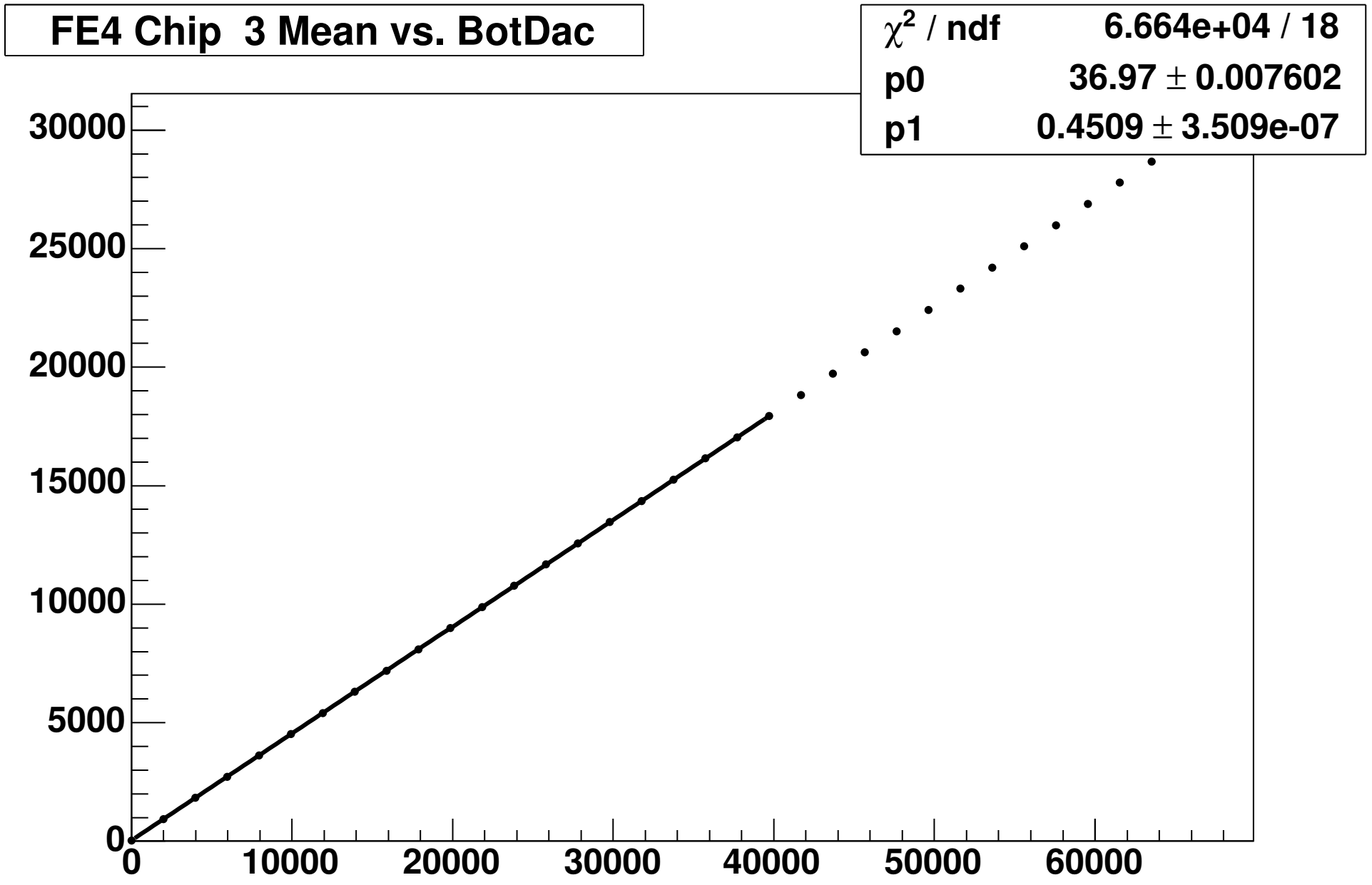
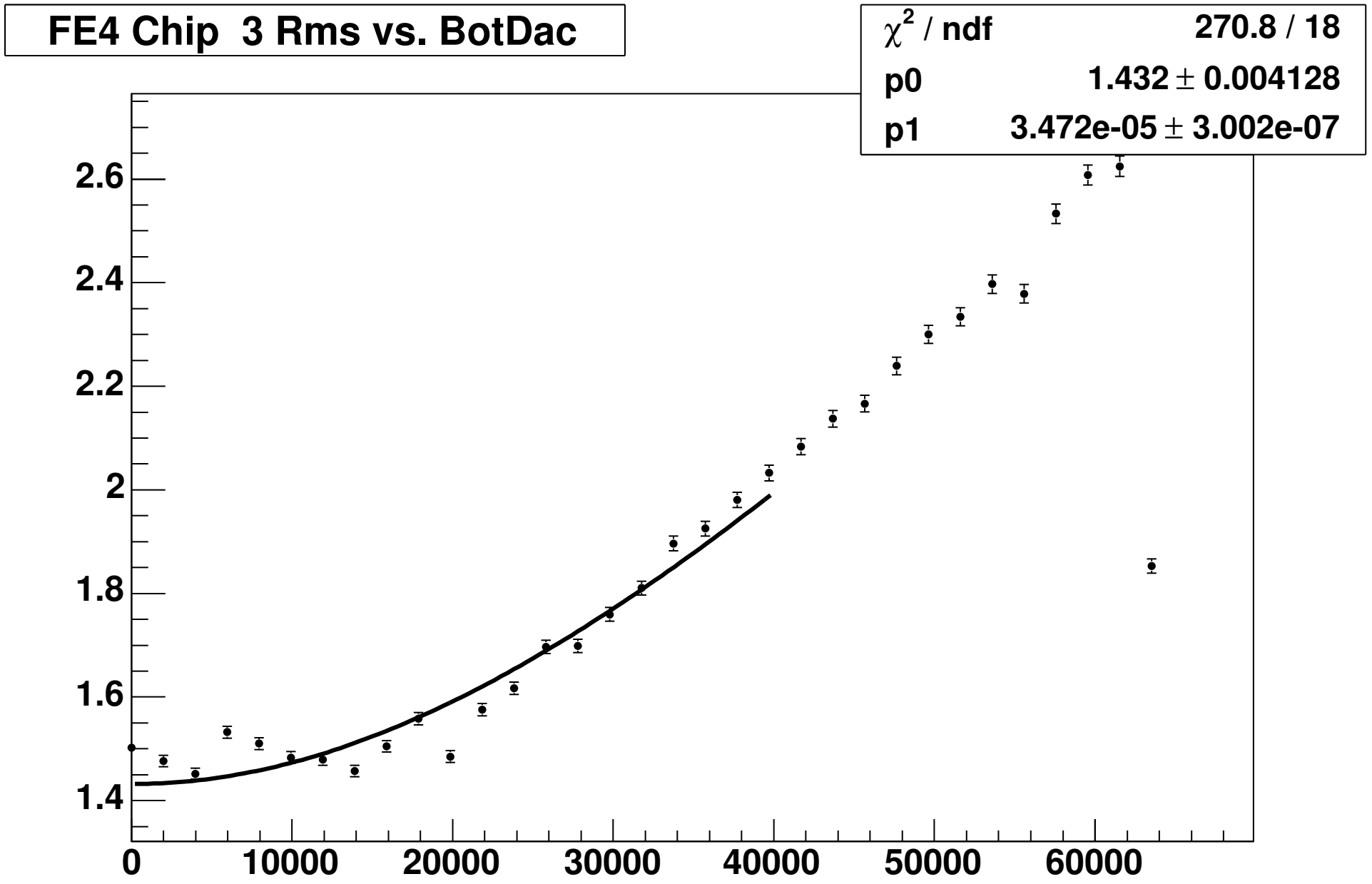
30000
40000
50000
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 21.68 / 18
p0 1.507 ± 0.003882
p1 5.091e-06 ± 1.546e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 6.664e+04 / 18
p0 36.97 ± 0.007602
p1 0.4509 ± 3.509e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 270.8 / 18
p0 1.432 ± 0.004128
p1 3.472e-05 ± 3.002e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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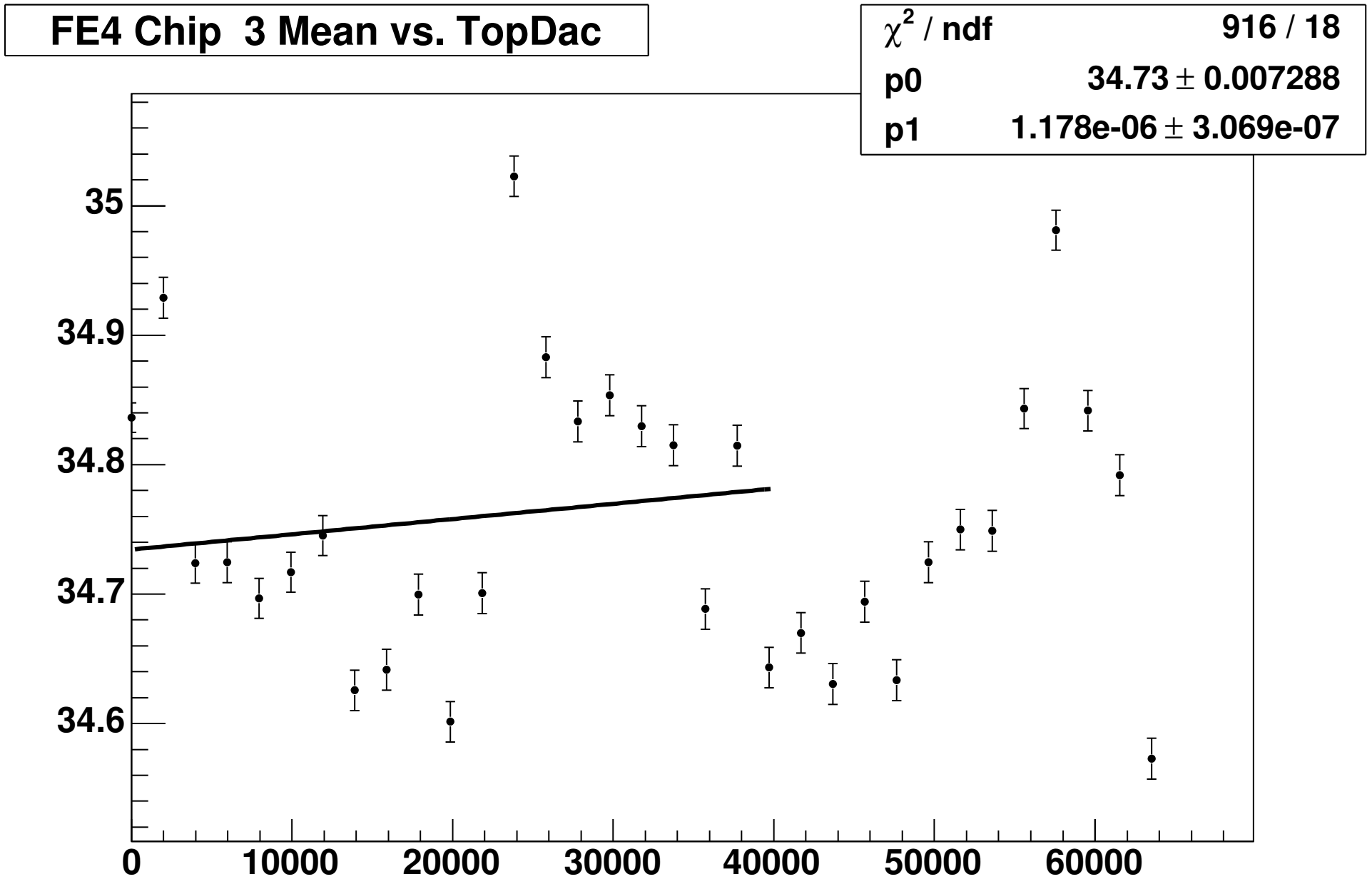
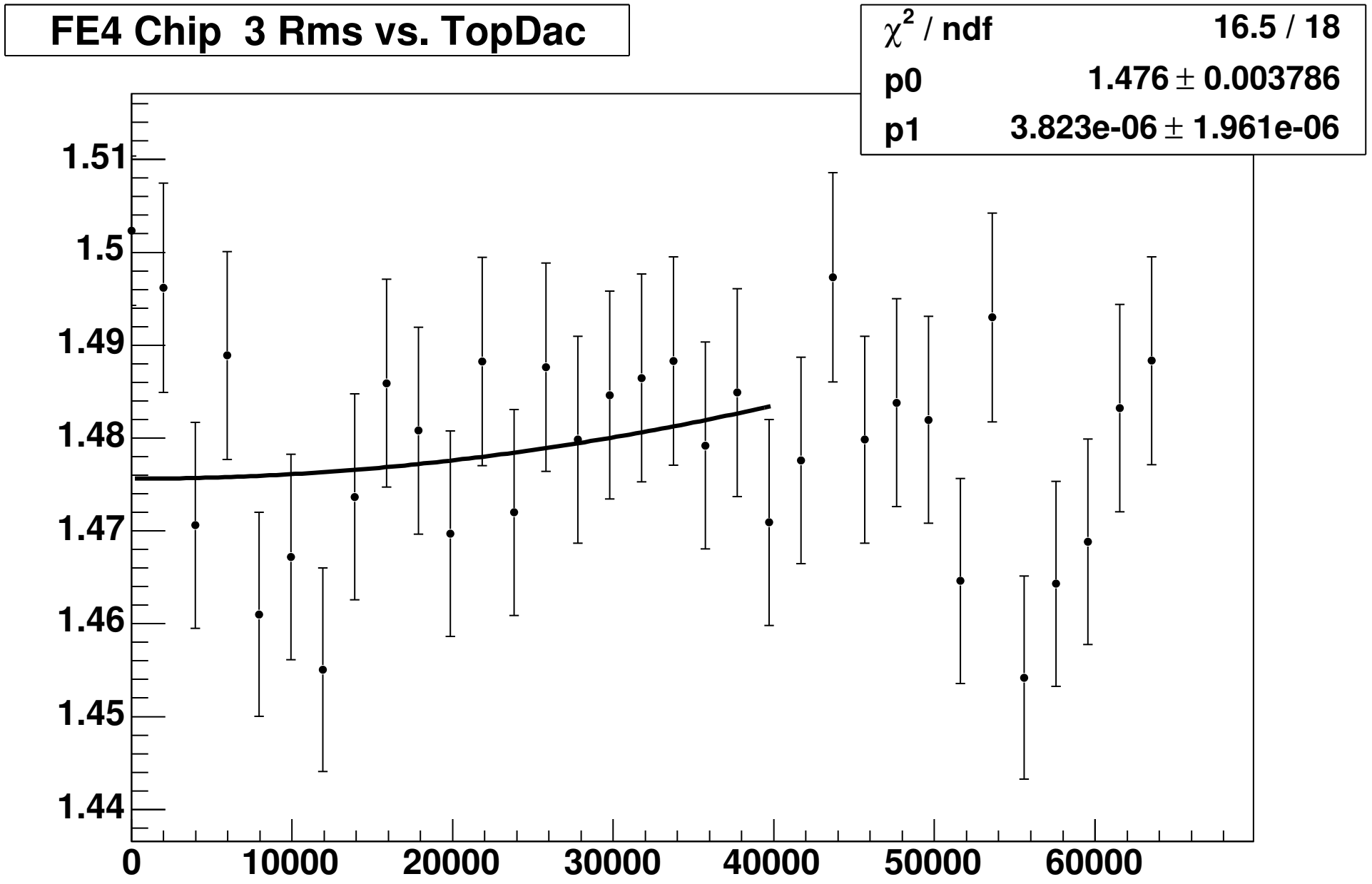
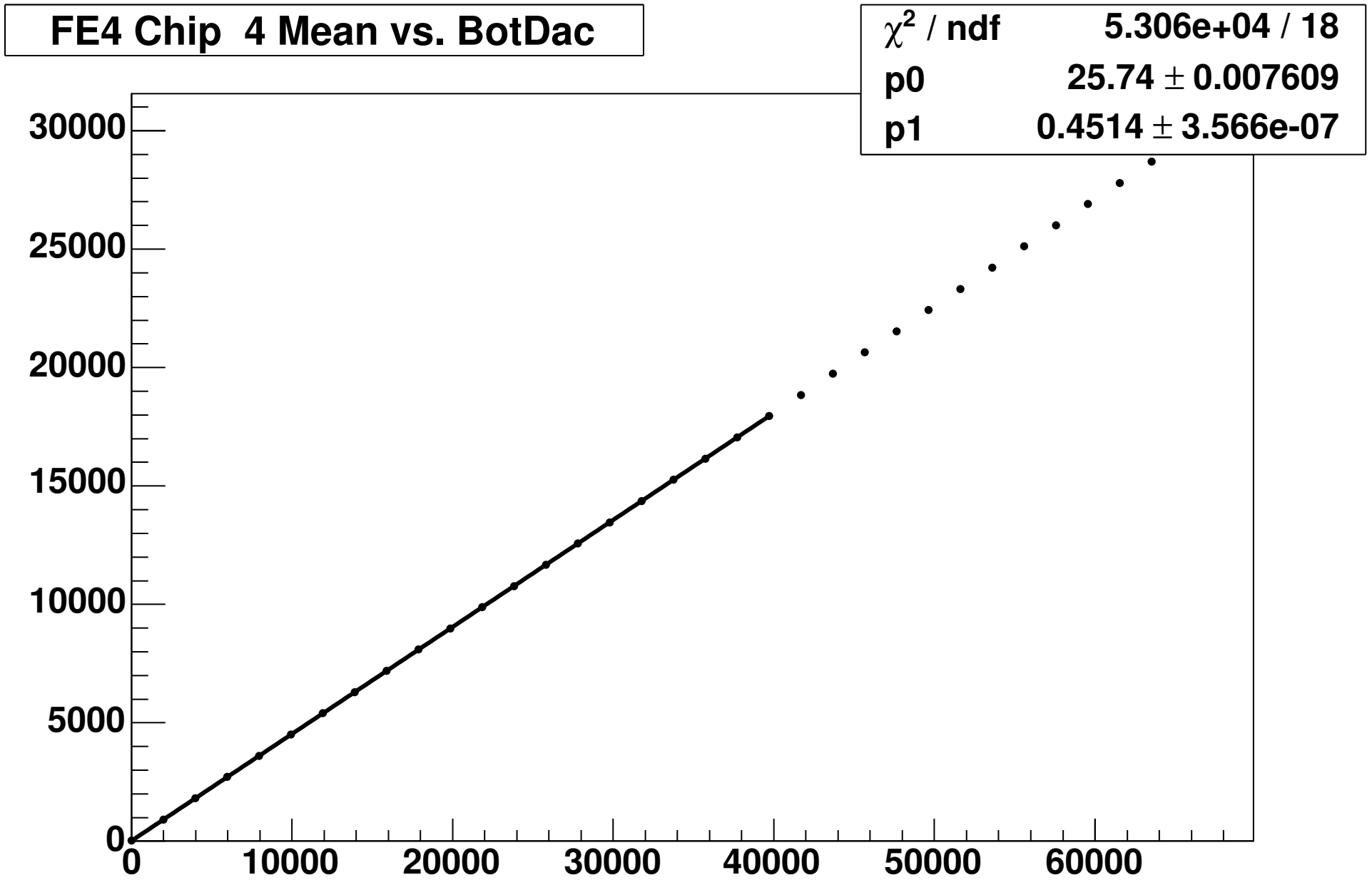
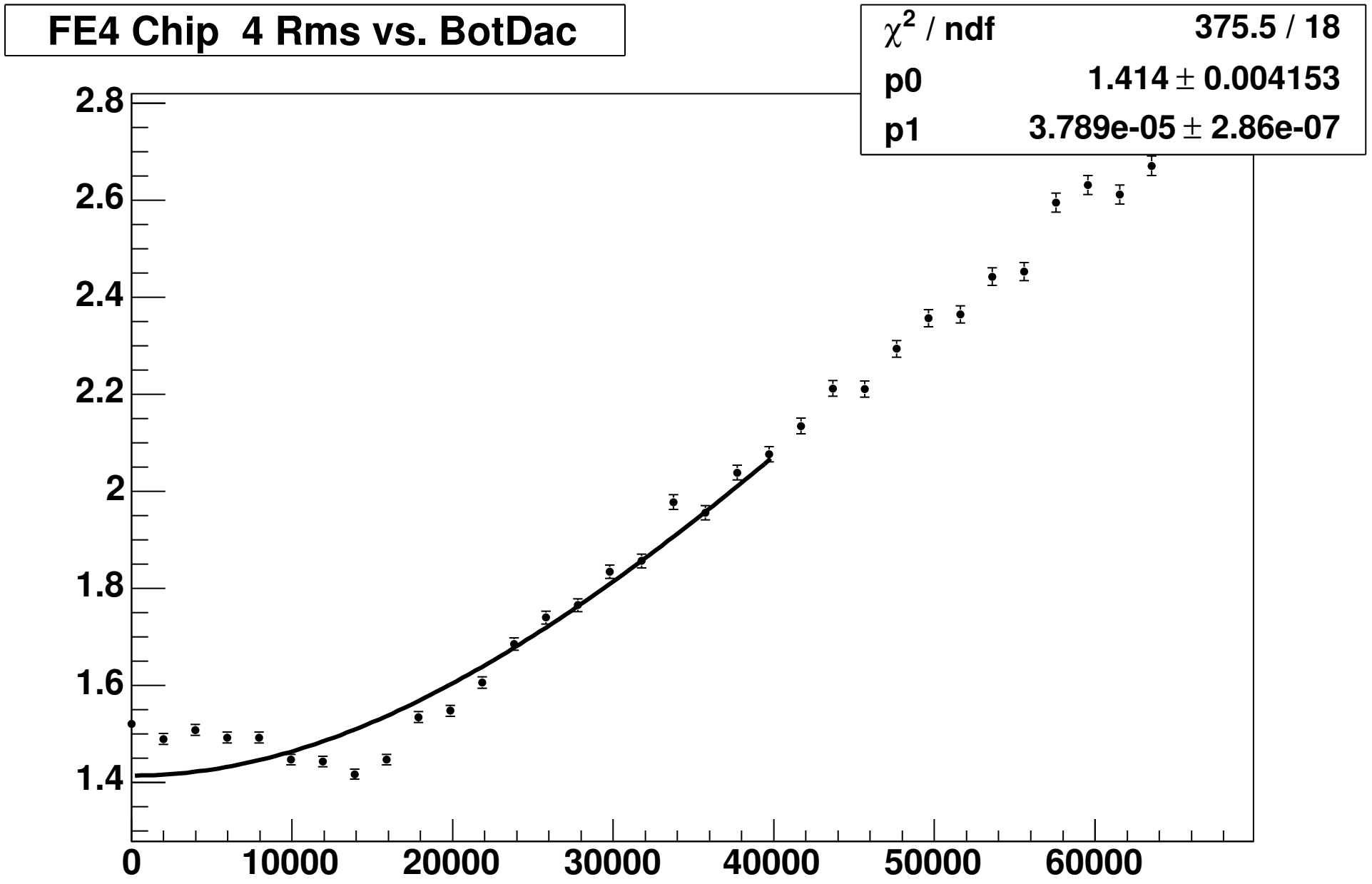
40000
50000
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 916 / 18
p0 34.73 ± 0.007288
p1 1.178e-06 ± 3.069e-07
35
34.9
34.8
34.7
34.6
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 16.5 / 18
p0 1.476 ± 0.003786
p1 3.823e-06 ± 1.961e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 5.306e+04 / 18
p0 25.74 ± 0.007609
p1 0.4514 ± 3.566e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 375.5 / 18
p0 1.414 ± 0.004153
p1 3.789e-05 ± 2.86e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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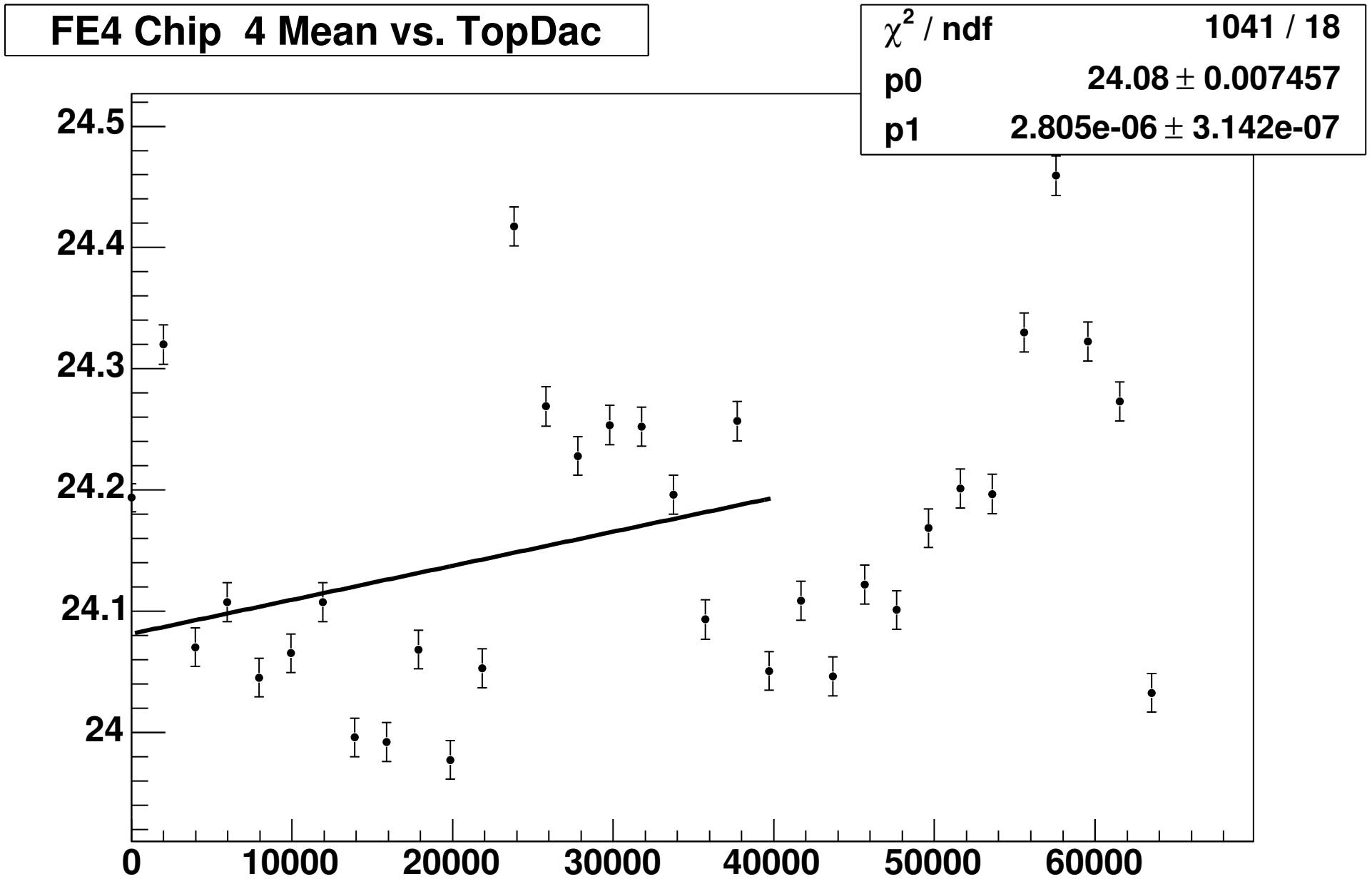
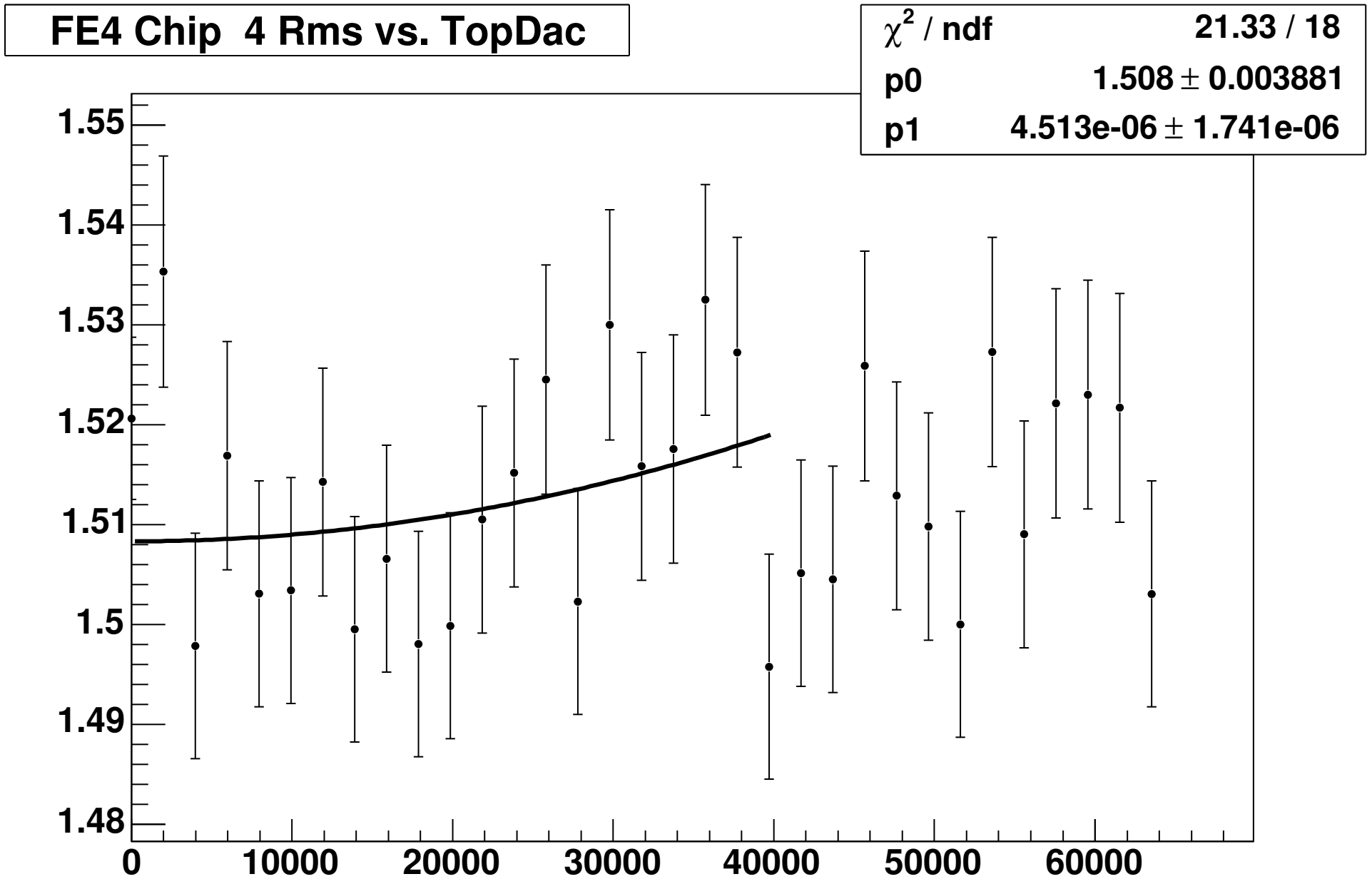
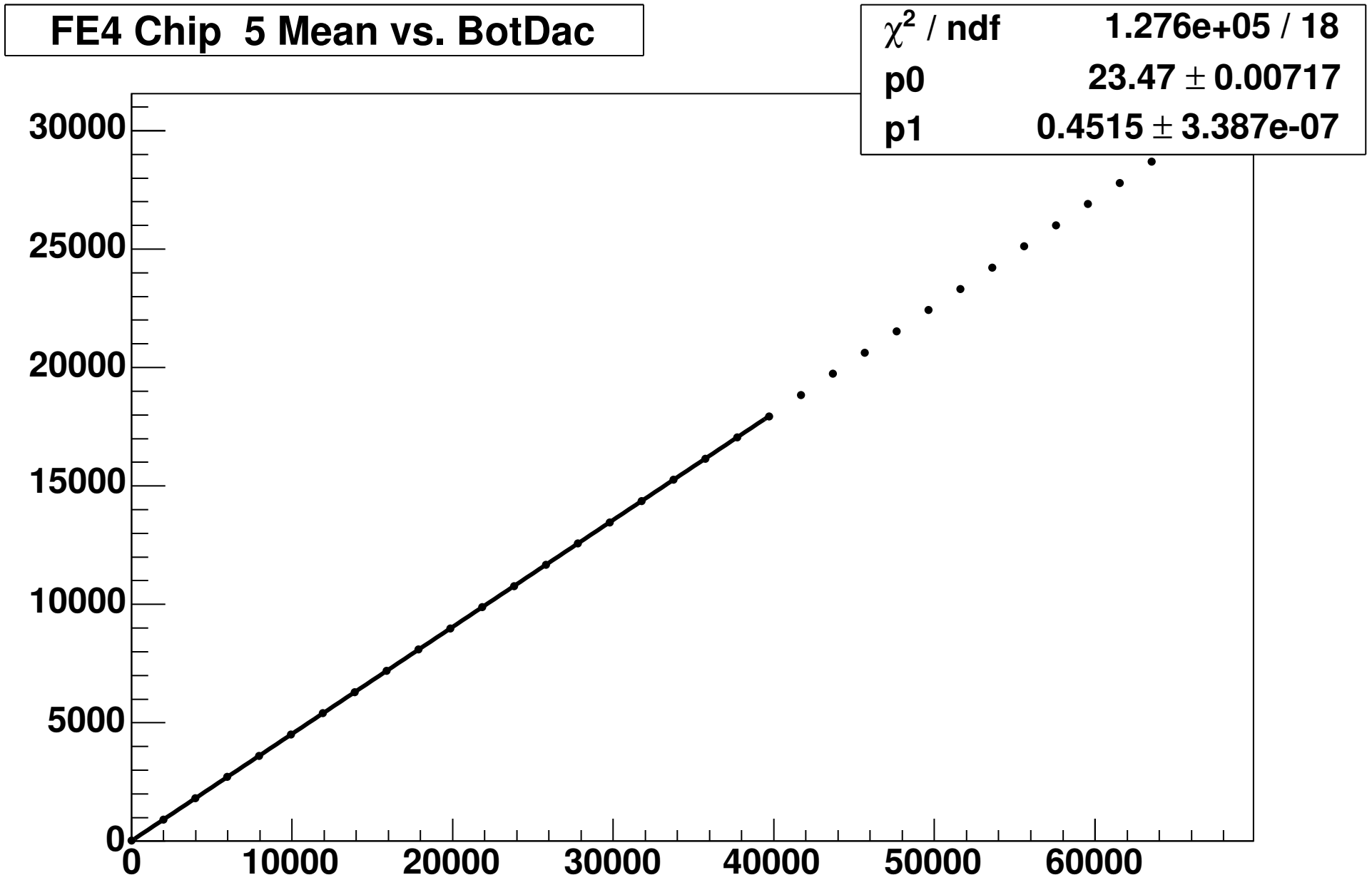
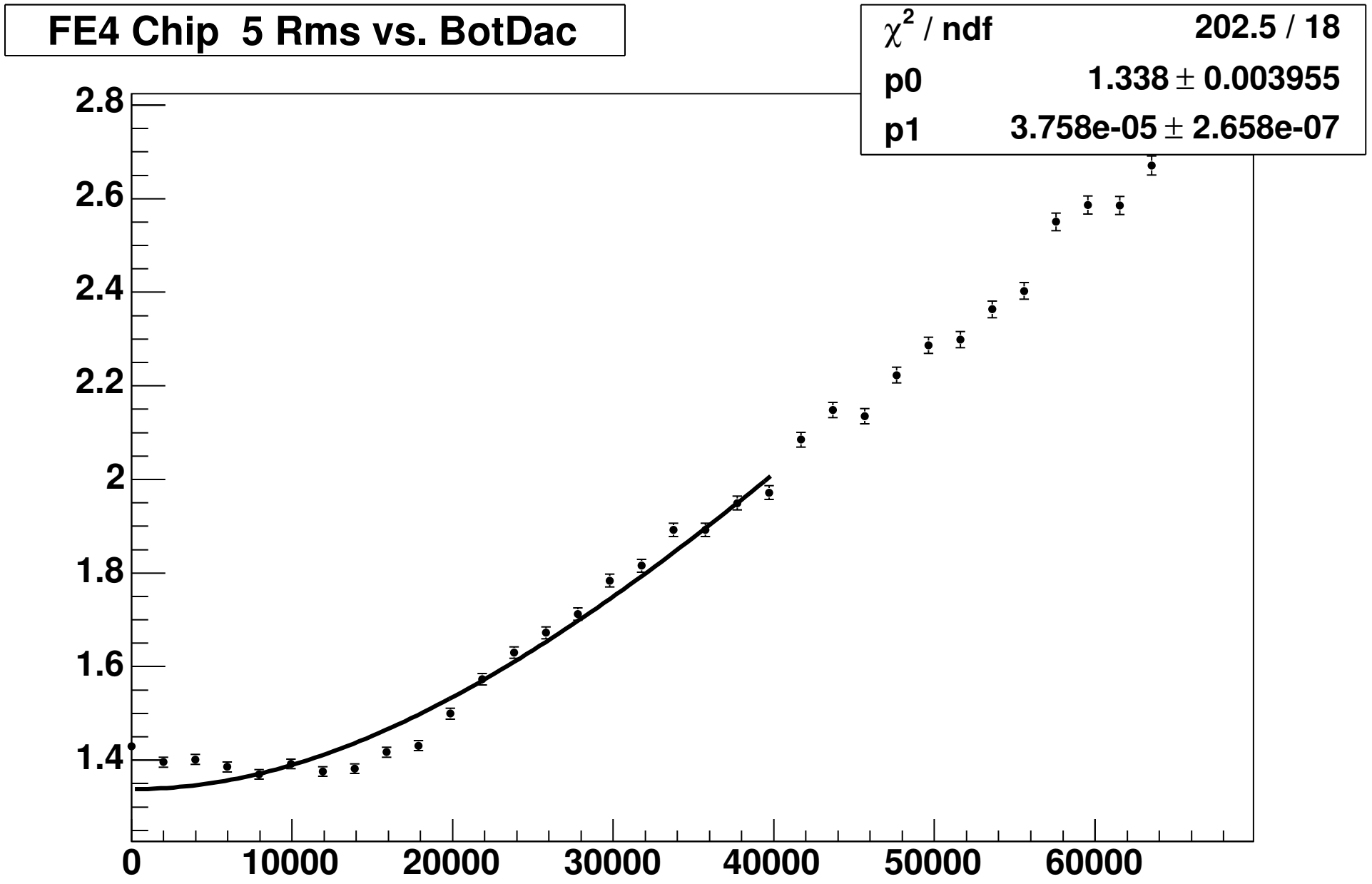
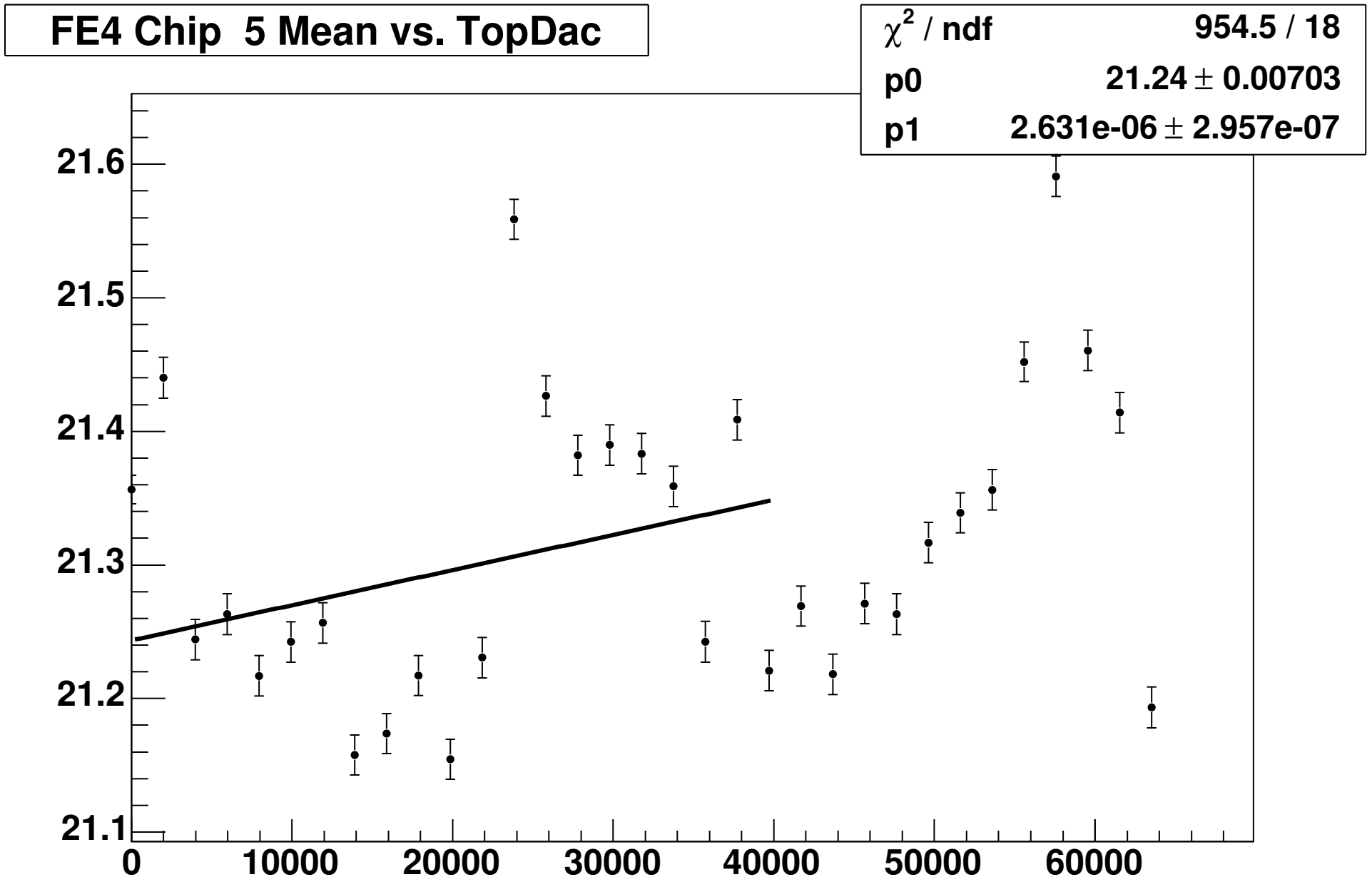
50000
60000

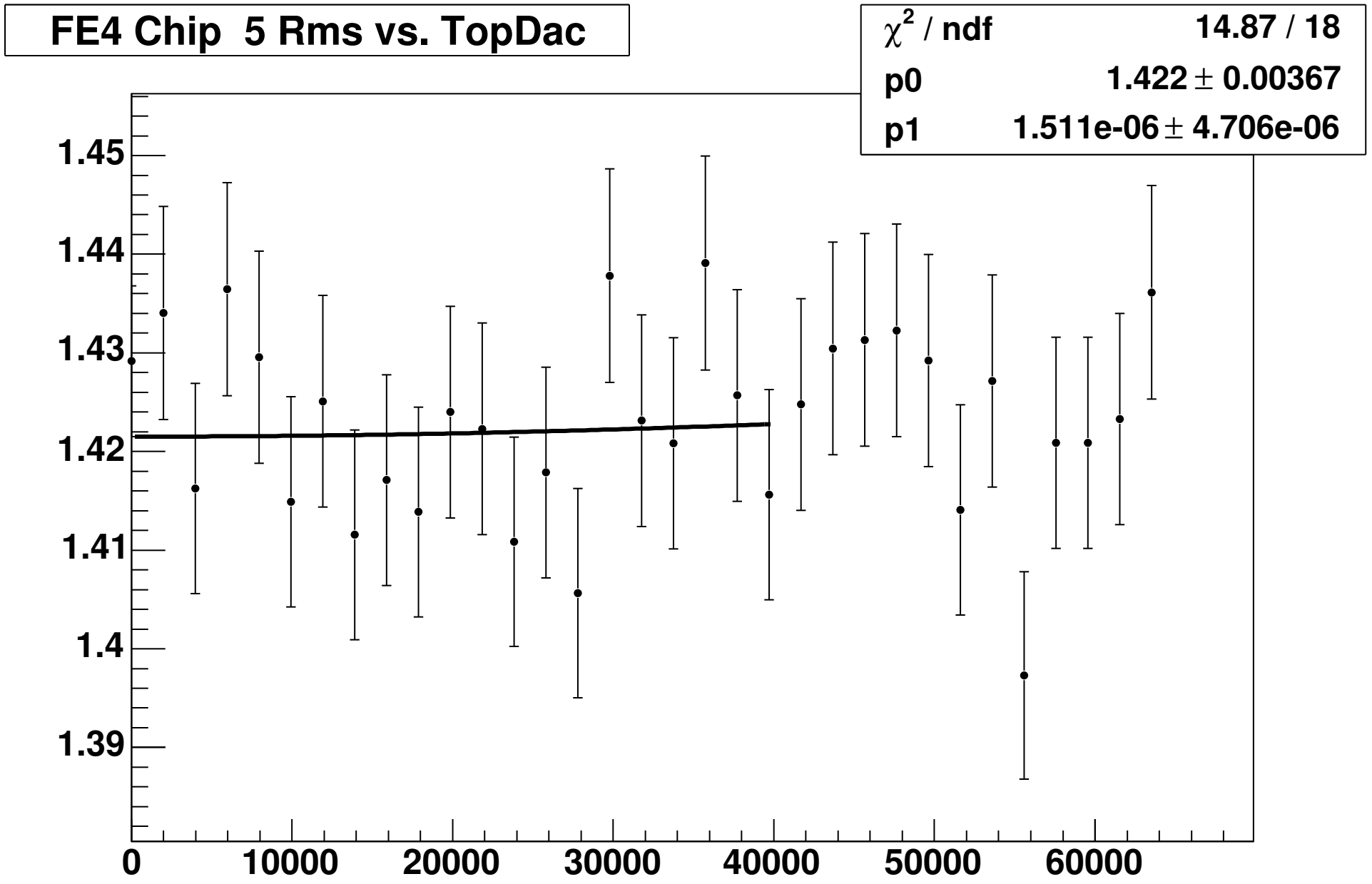

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1041 / 18
p0 24.08 ± 0.007457
p1 2.805e-06 ± 3.142e-07
24.5
24.4
24.3
24.2
24.1
24
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 21.33 / 18
p0 1.508 ± 0.003881
p1 4.513e-06 ± 1.741e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.276e+05 / 18
p0 23.47 ± 0.00717
p1 0.4515 ± 3.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 202.5 / 18
p0 1.338 ± 0.003955
p1 3.758e-05 ± 2.658e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 954.5 / 18
p0 21.24 ± 0.00703
p1 2.631e-06 ± 2.957e-07
21.6
21.5
21.4
21.3
21.2
21.1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 14.87 / 18
p0 1.422 ± 0.00367
p1 1.511e-06 ± 4.706e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
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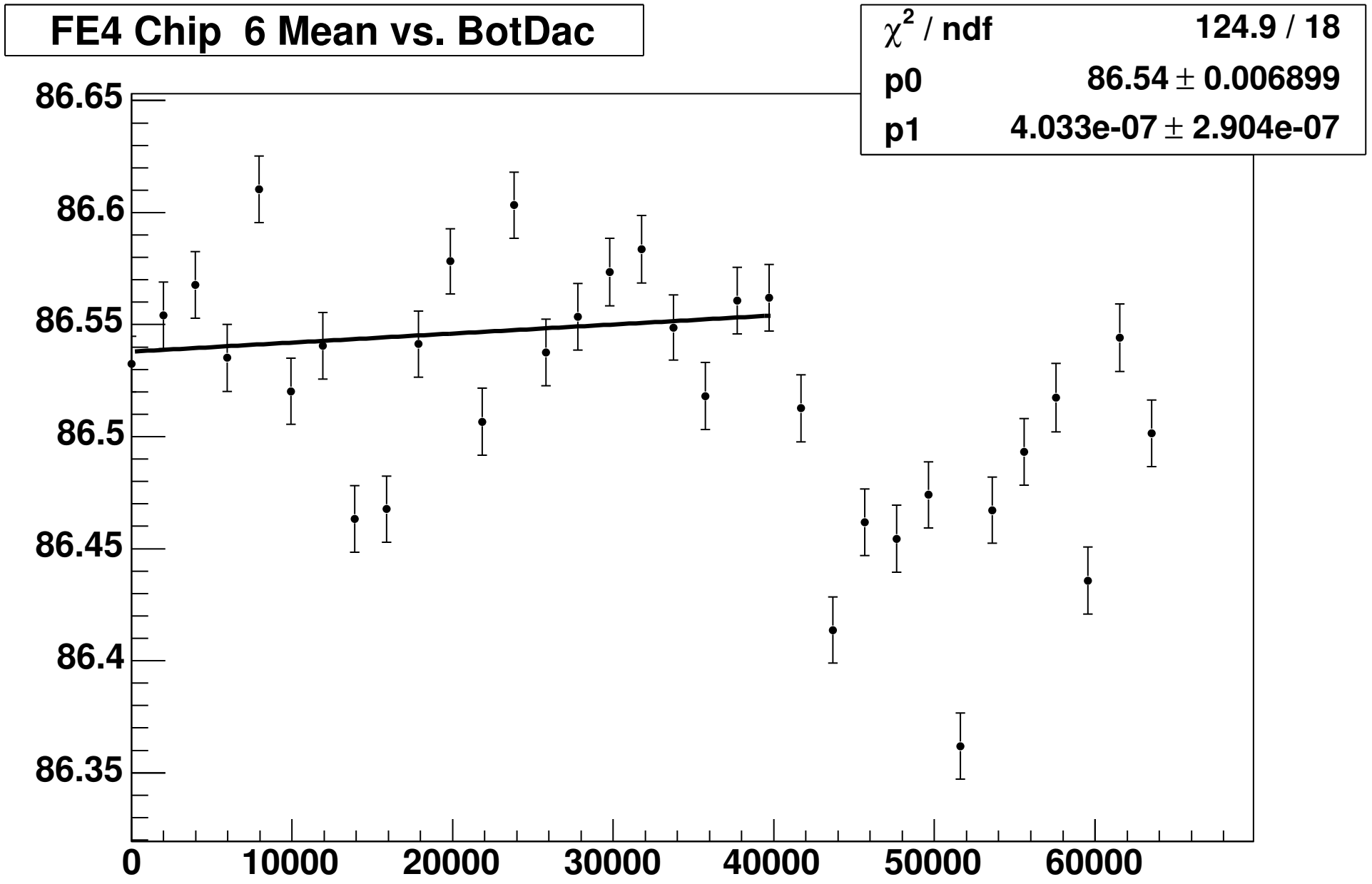
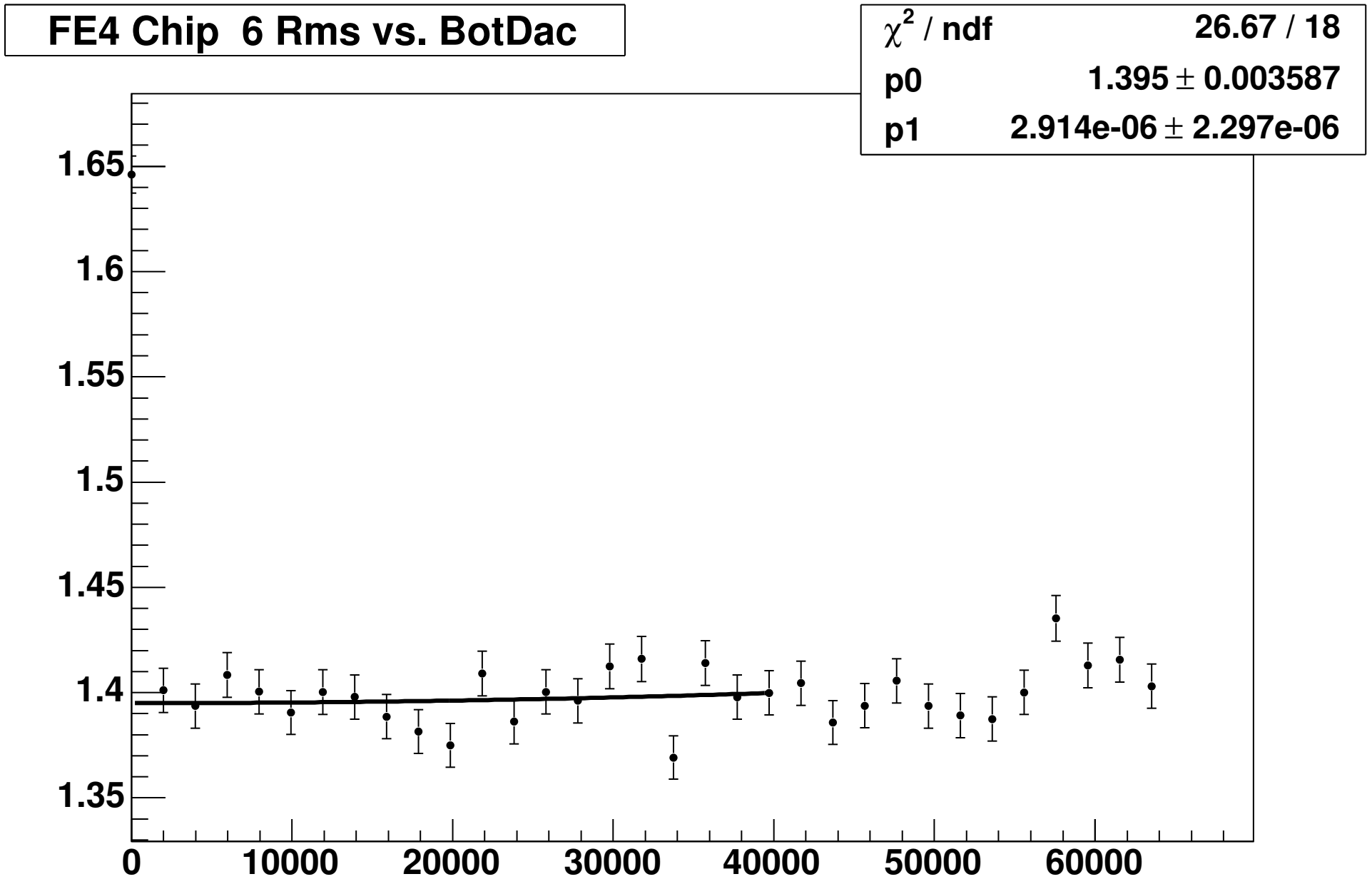
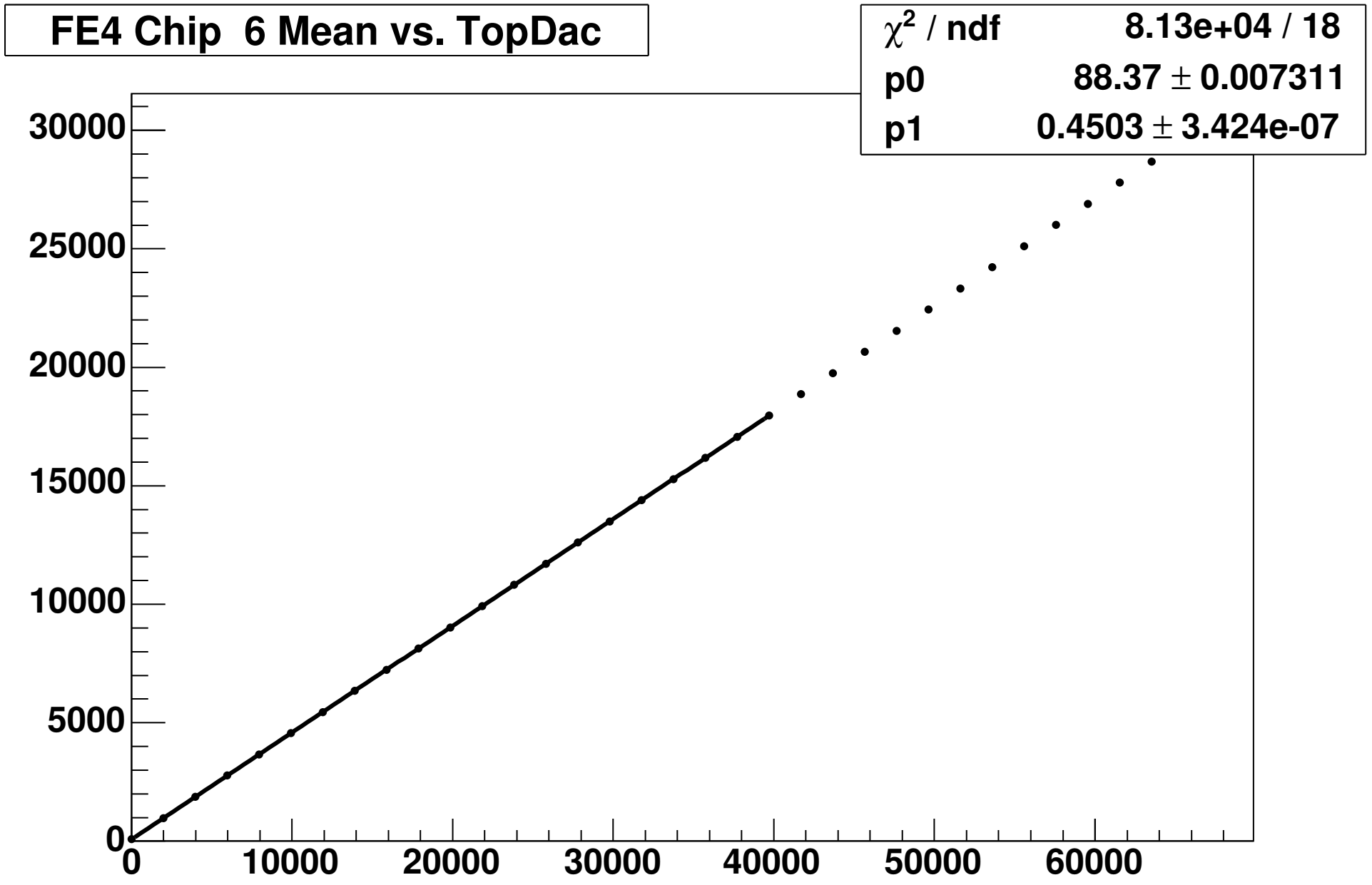
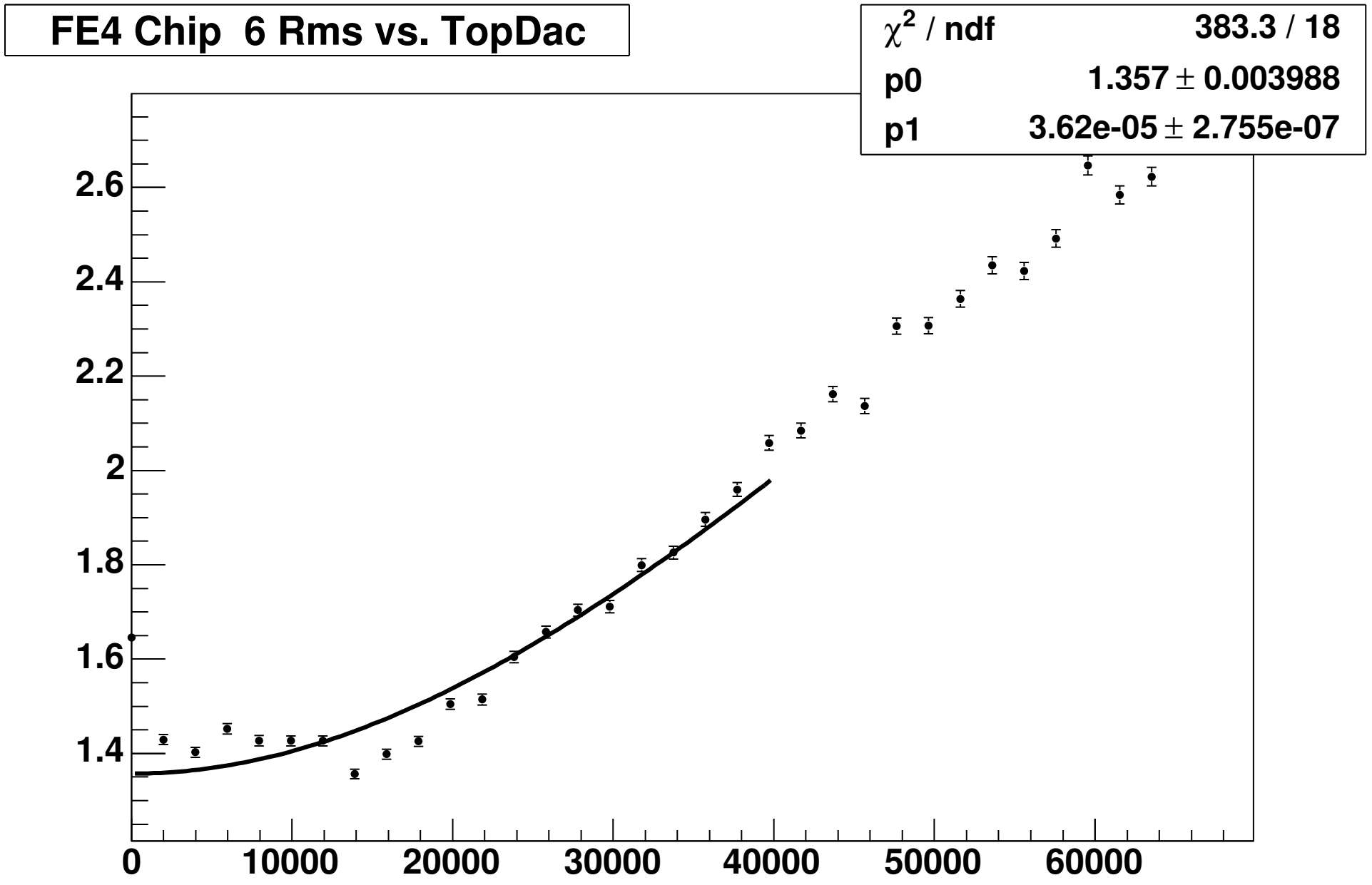
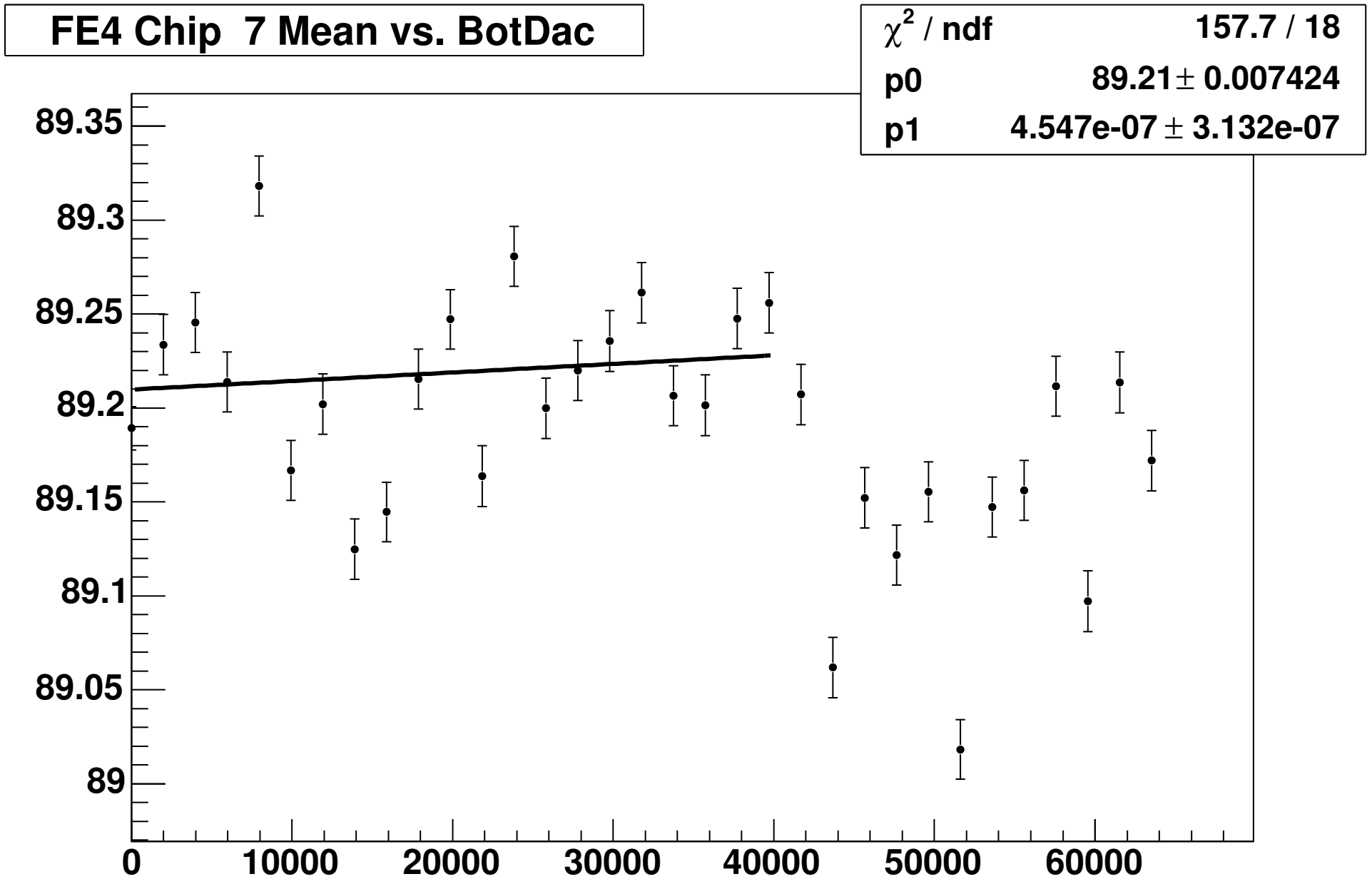
30000
40000
50000
60000

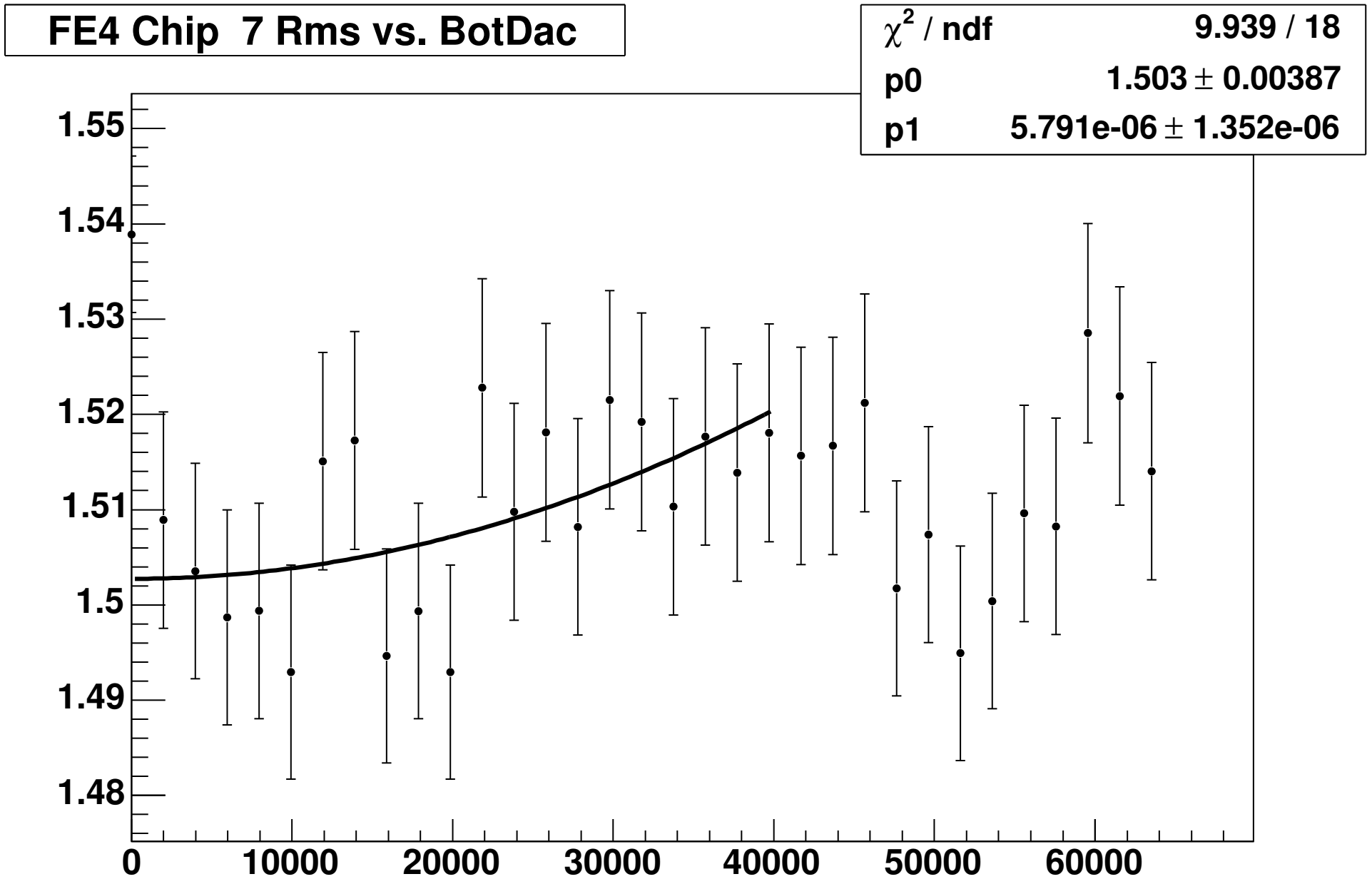

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 124.9 / 18
p0 86.54 ± 0.006899
p1 4.033e-07 ± 2.904e-07
86.65
86.6
86.55
86.5
86.45
86.4
86.35
0
10000
20000
30000
40000
50000
60000

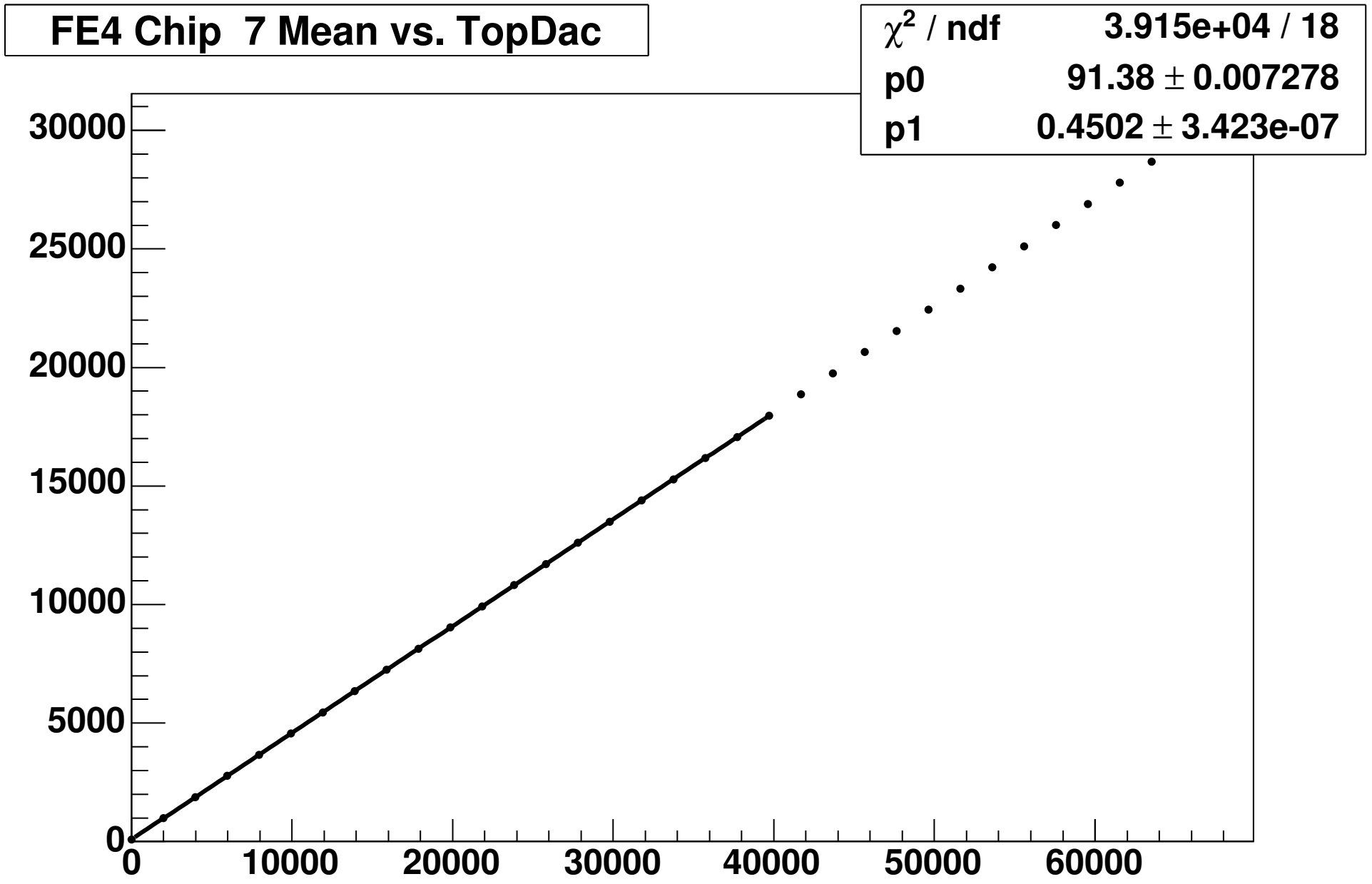

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 26.67 / 18
p0 1.395 ± 0.003587
p1 2.914e-06 ± 2.297e-06
1.65
1.6
1.55
1.5
1.45
1.4
1.35
0
10000
20000
30000
40000
50000
60000

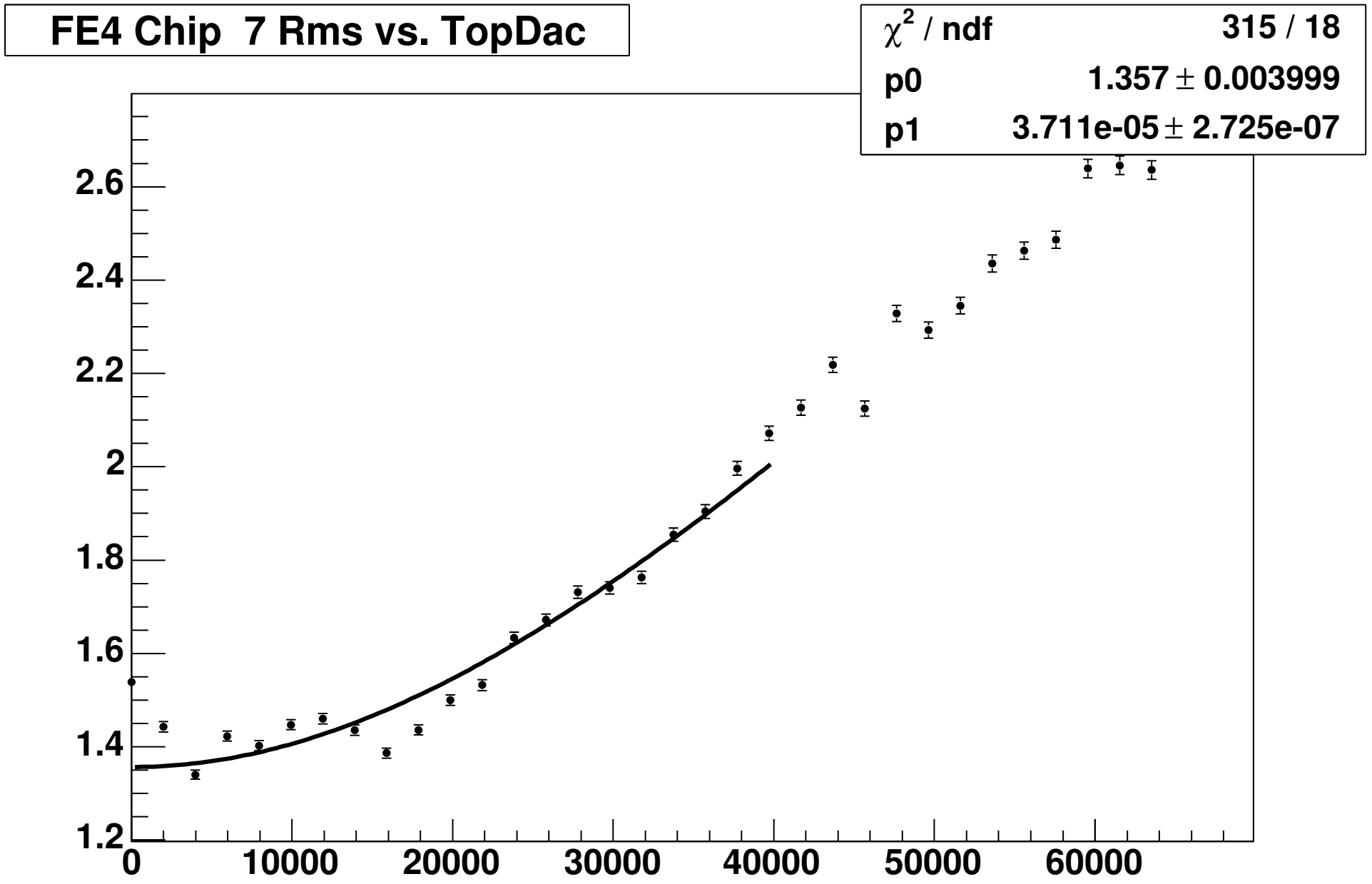

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 8.13e+04 / 18
p0 88.37 ± 0.007311
p1 0.4503 ± 3.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 383.3 / 18
p0 1.357 ± 0.003988
p1 3.62e-05 ± 2.755e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 157.7 / 18
p0 89.21 ± 0.007424
p1 4.547e-07 ± 3.132e-07
89.35
89.3
89.25
89.2
89.15
89.1
89.05
89
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. BotDac
χ^2 / ndf 9.939 / 18
p0 1.503 ± 0.00387
p1 5.791e-06 ± 1.352e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 3.915e+04 / 18
p0 91.38 ± 0.007278
p1 0.4502 ± 3.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 315 / 18
p0 1.357 ± 0.003999
p1 3.711e-05 ± 2.725e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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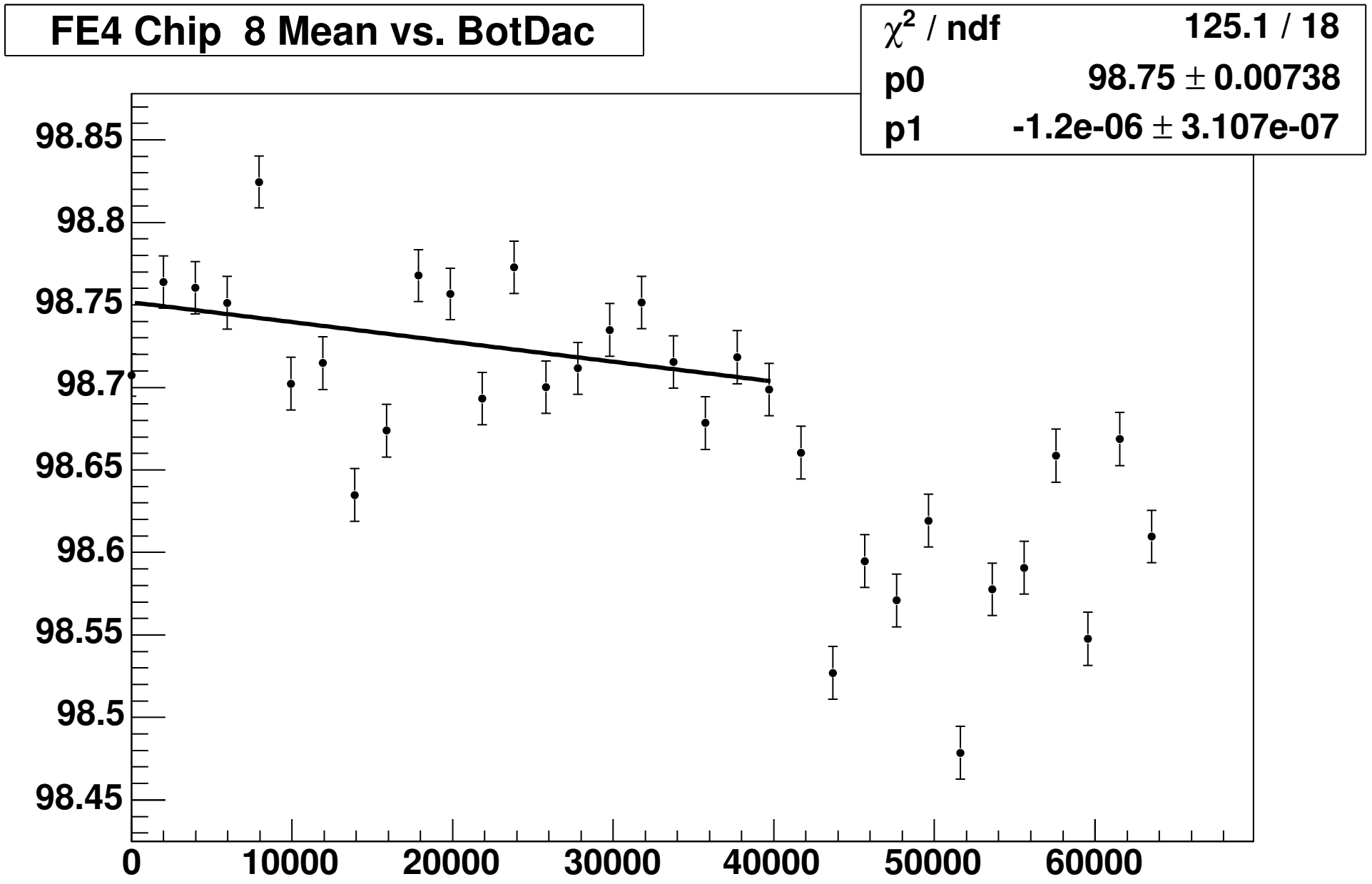
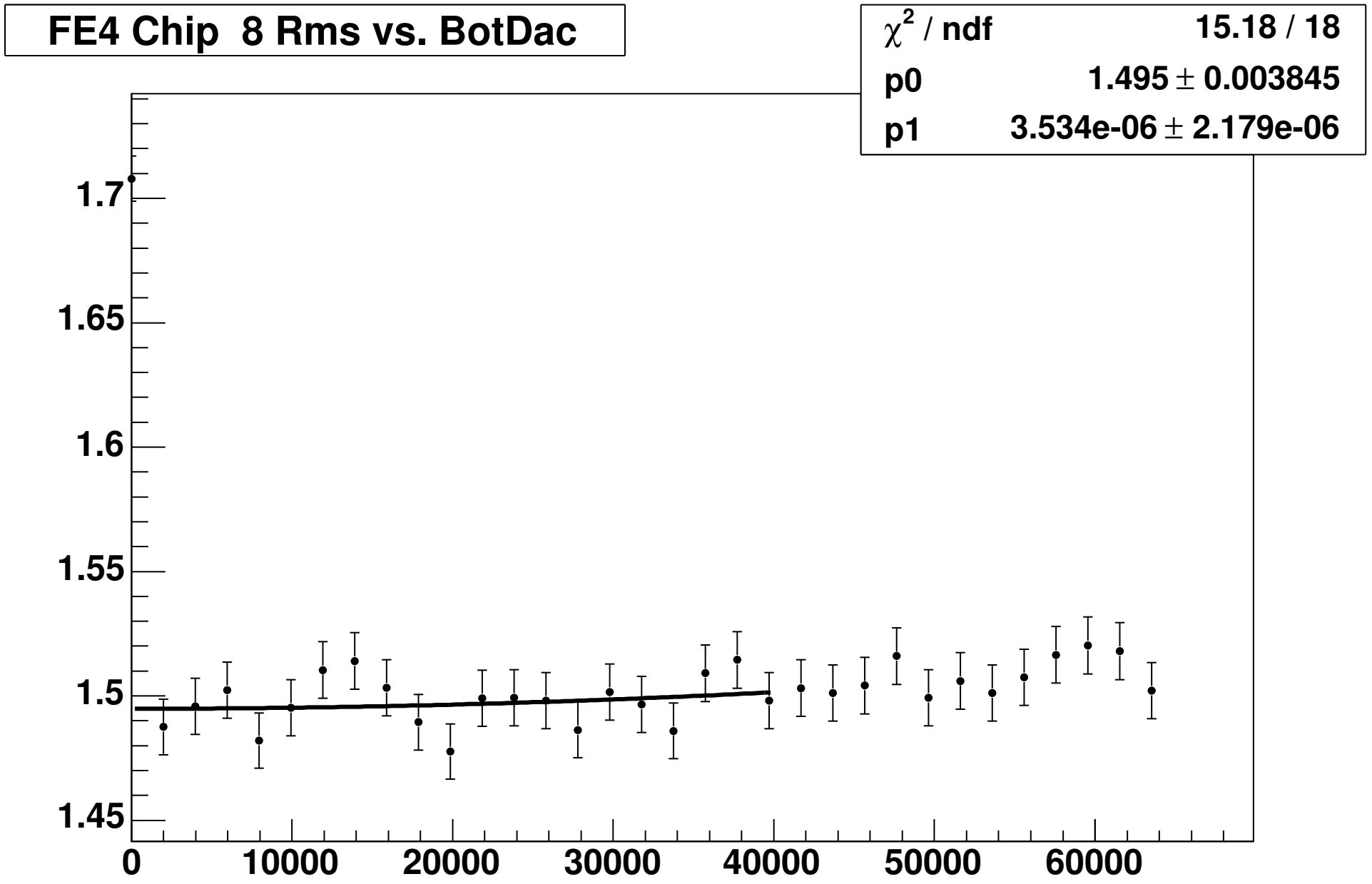
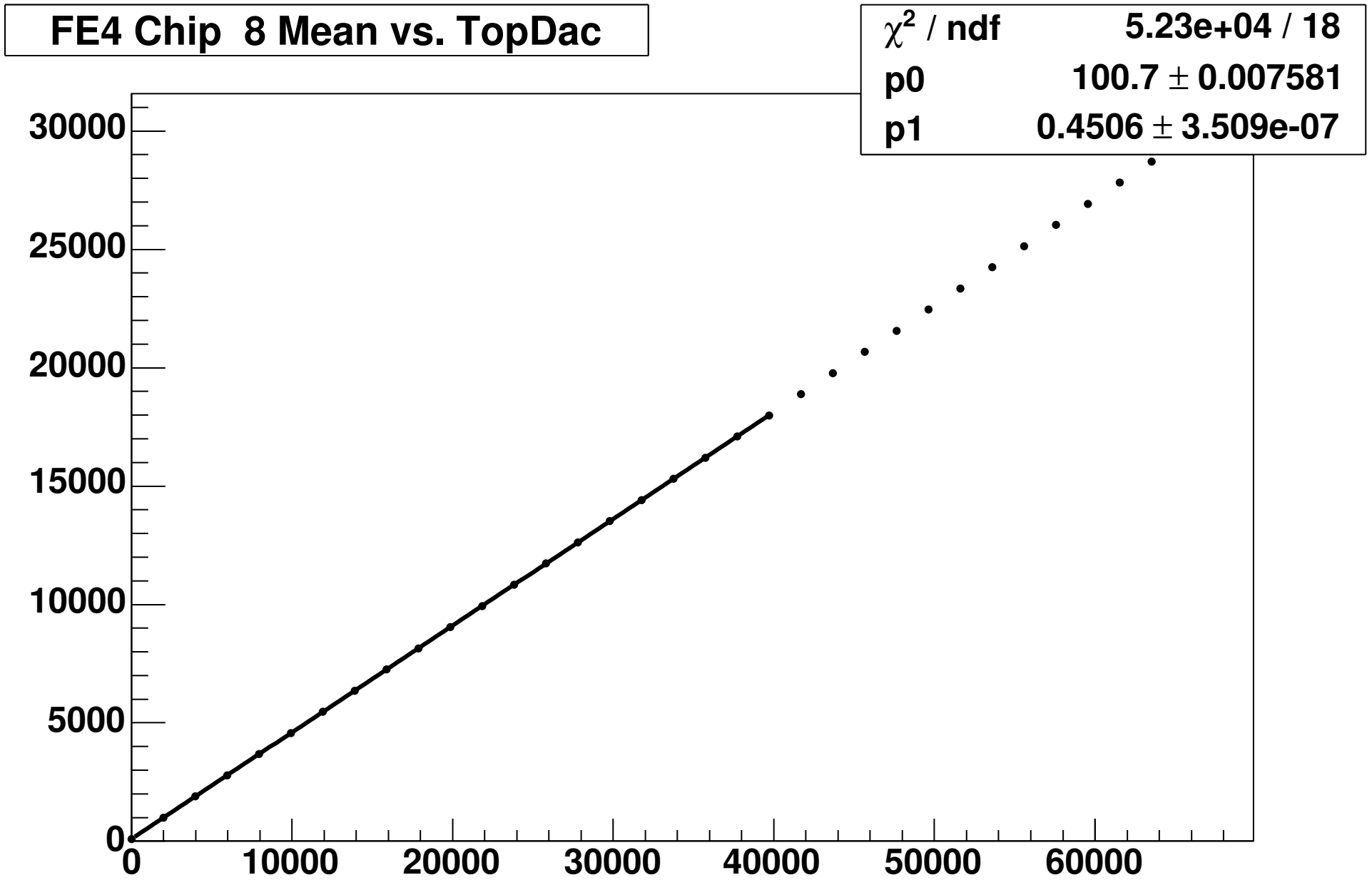
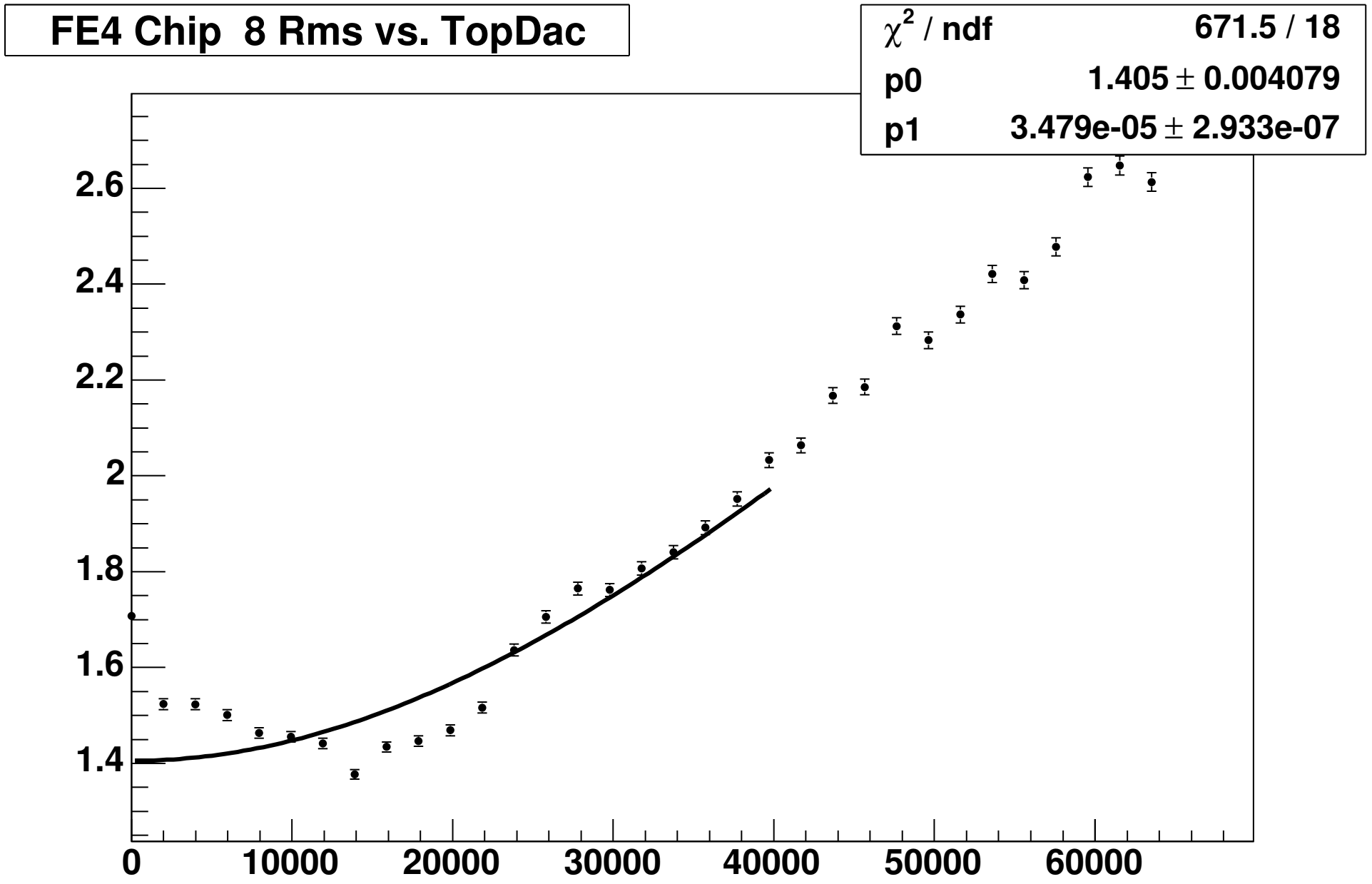
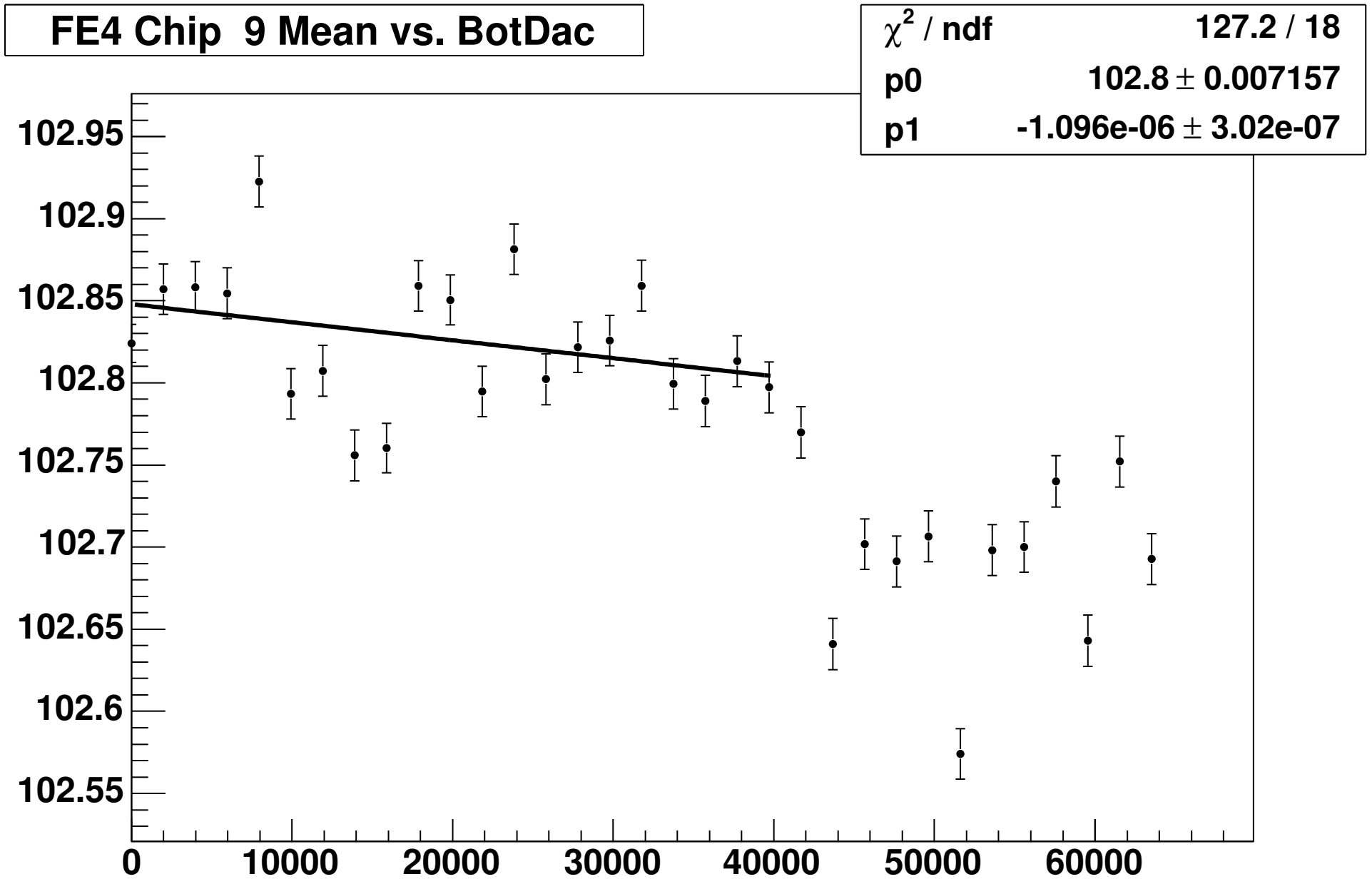
30000
40000
50000
60000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 125.1 / 18
p0 98.75 ± 0.00738
p1 -1.2e-06 ± 3.107e-07
98.85
98.8
98.75
98.7
98.65
98.6
98.55
98.5
98.45
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 15.18 / 18
p0 1.495 ± 0.003845
p1 3.534e-06 ± 2.179e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 5.23e+04 / 18
p0 100.7 ± 0.007581
p1 0.4506 ± 3.509e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 671.5 / 18
p0 1.405 ± 0.004079
p1 3.479e-05 ± 2.933e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 127.2 / 18
p0 102.8 ± 0.007157
p1 -1.096e-06 ± 3.02e-07
102.95
102.9
102.85
102.8
102.75
102.7
102.65
102.6
102.55
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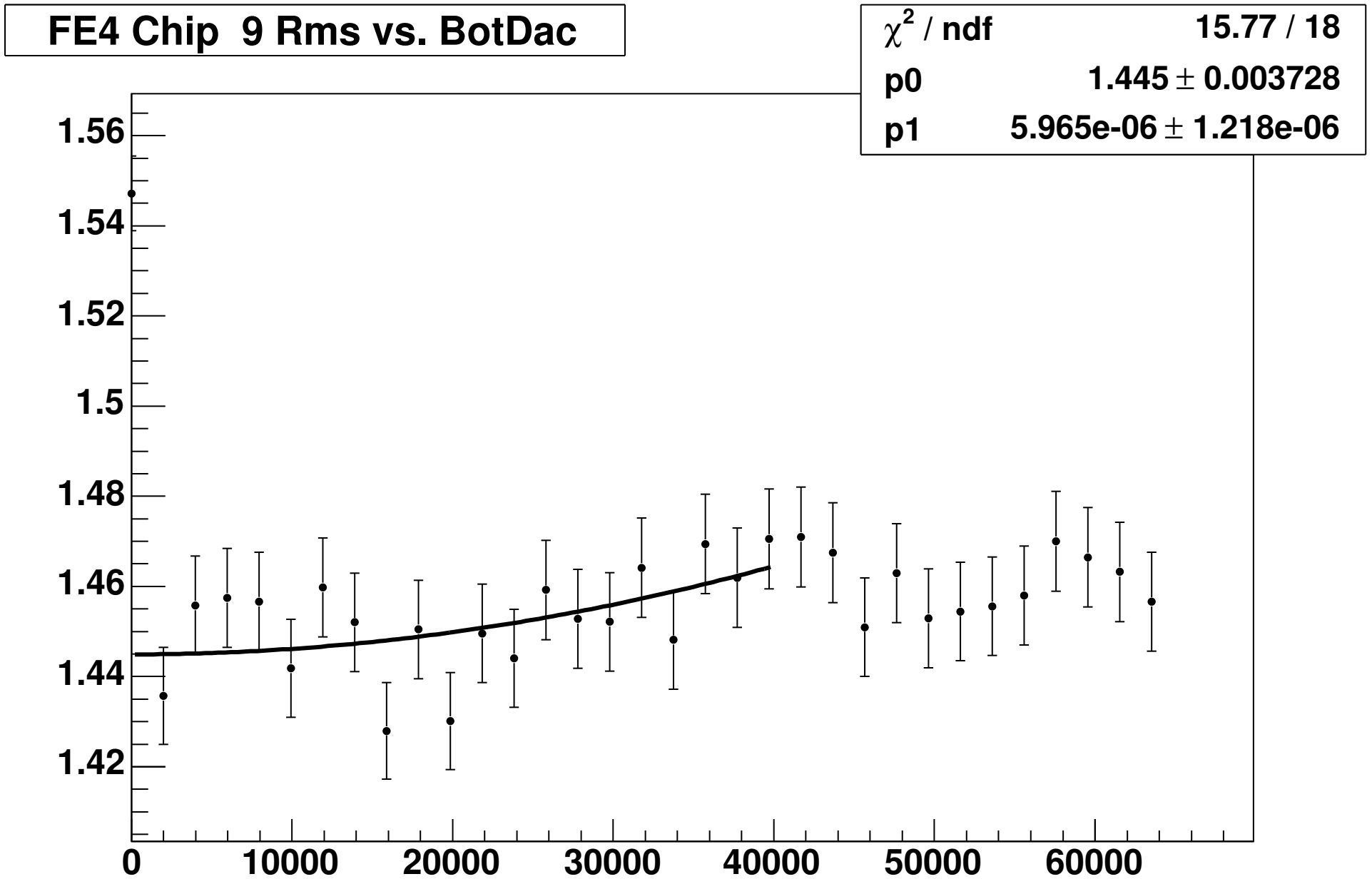
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 15.77 / 18
p0 1.445 ± 0.003728
p1 5.965e-06 ± 1.218e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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10000
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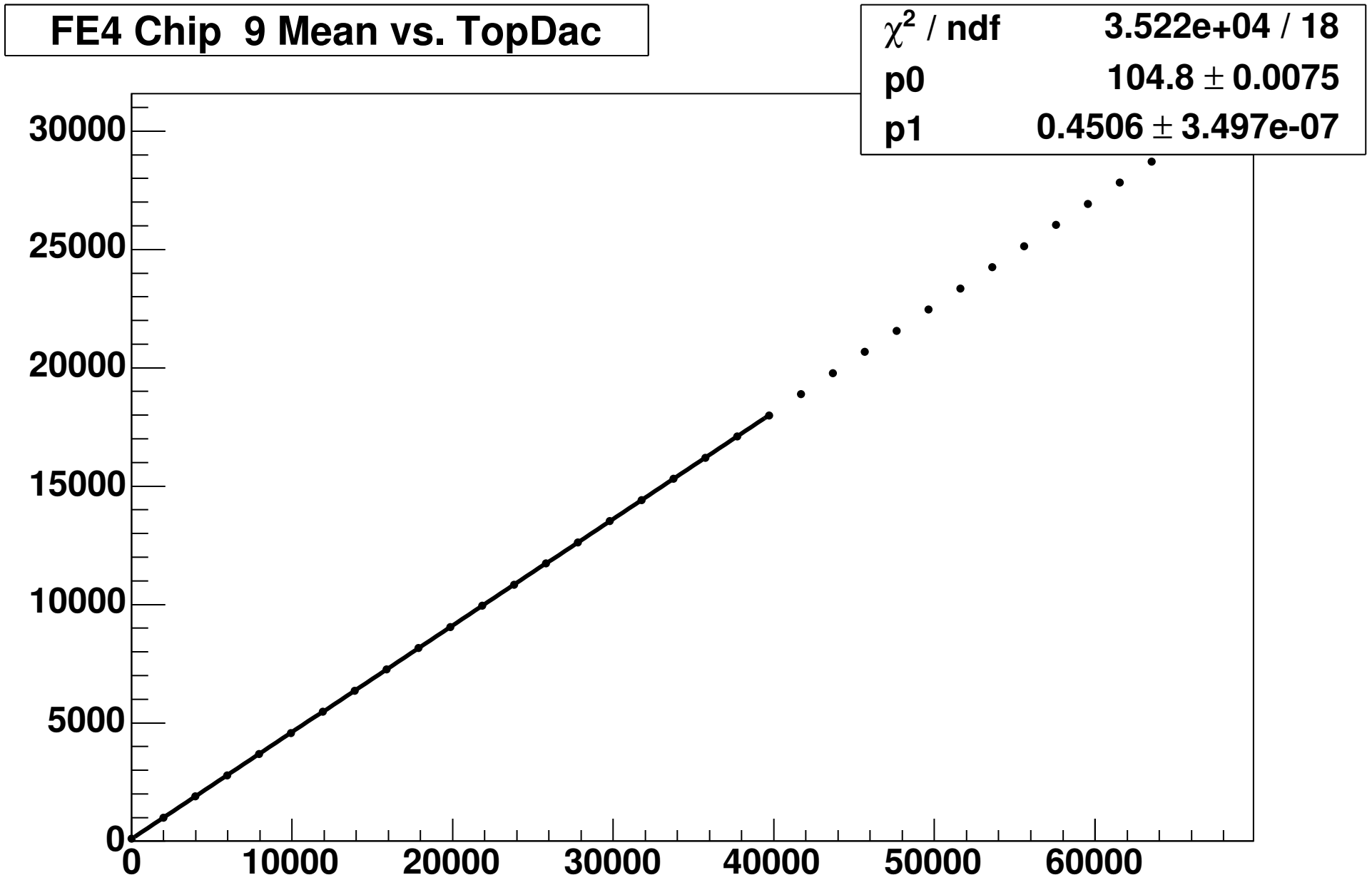
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 3.522e+04 / 18
p0 104.8 ± 0.0075
p1 0.4506 ± 3.497e-07
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25000
20000
15000
10000
5000
0
0
10000
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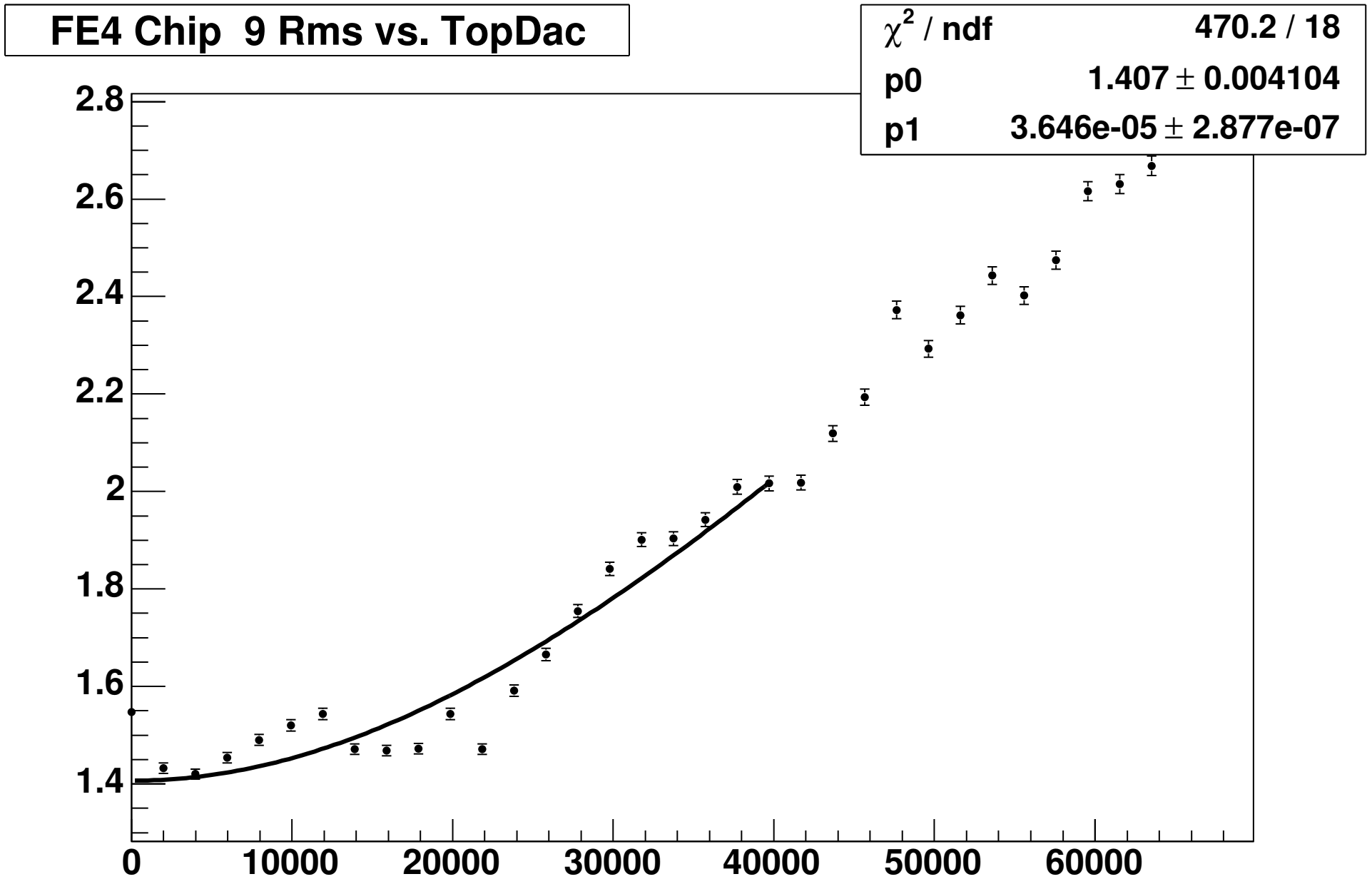
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 470.2 / 18
p0 1.407 ± 0.004104
p1 3.646e-05 ± 2.877e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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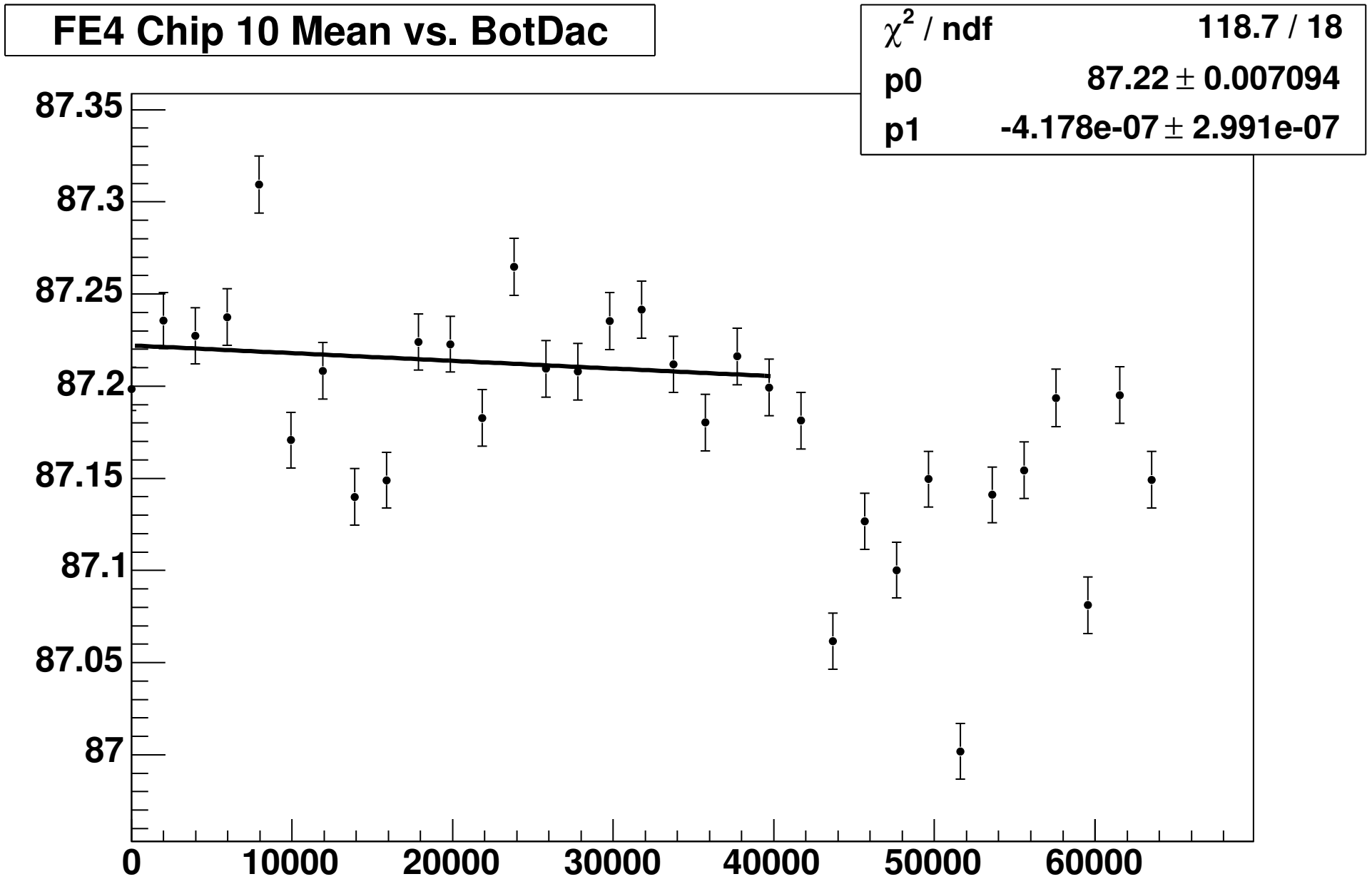
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 118.7 / 18
p0 87.22 ± 0.007094
p1 -4.178e-07 ± 2.991e-07
87.35
87.3
87.25
87.2
87.15
87.1
87.05
87
0
10000
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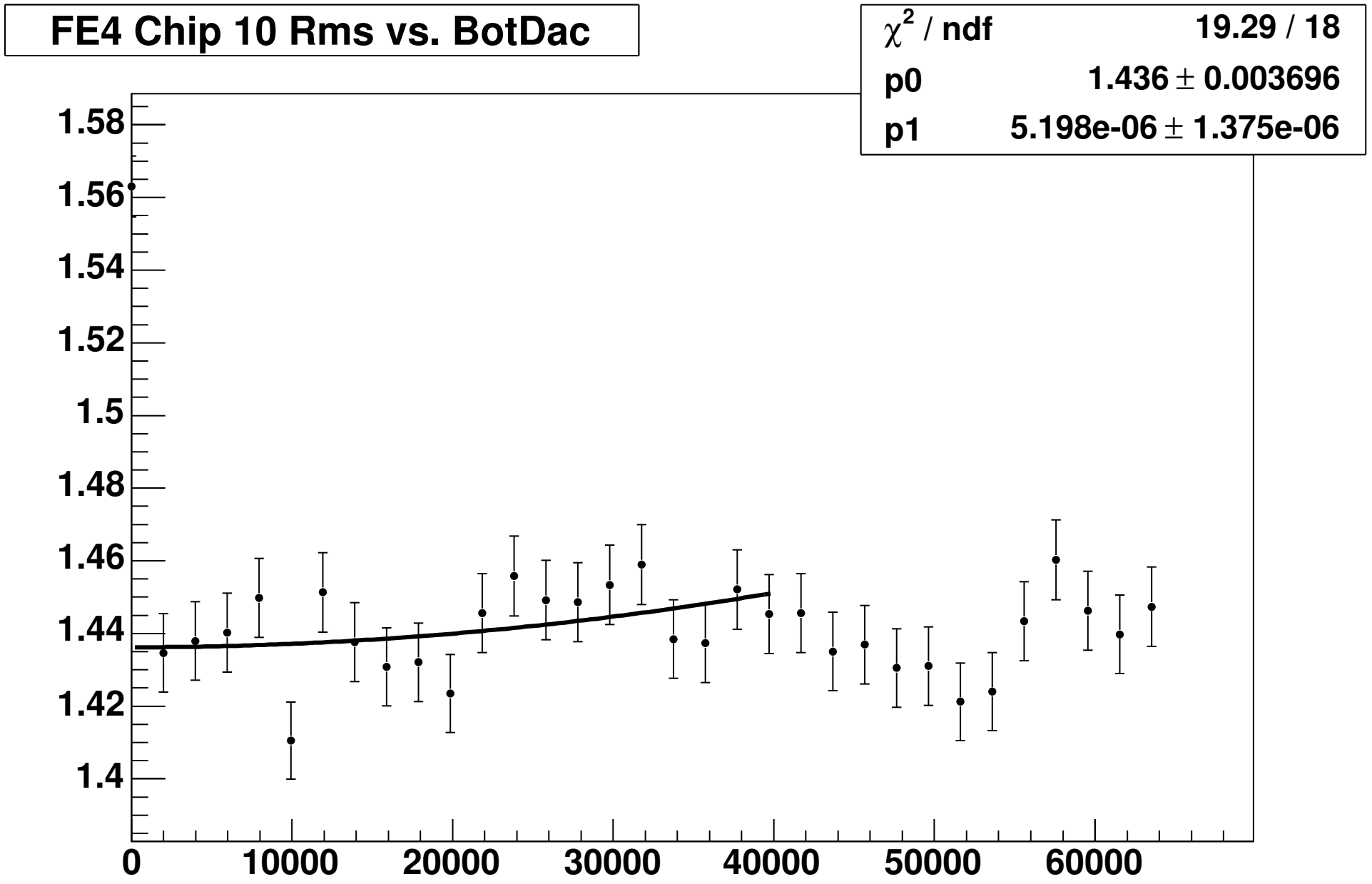
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 19.29 / 18
p0 1.436 ± 0.003696
p1 5.198e-06 ± 1.375e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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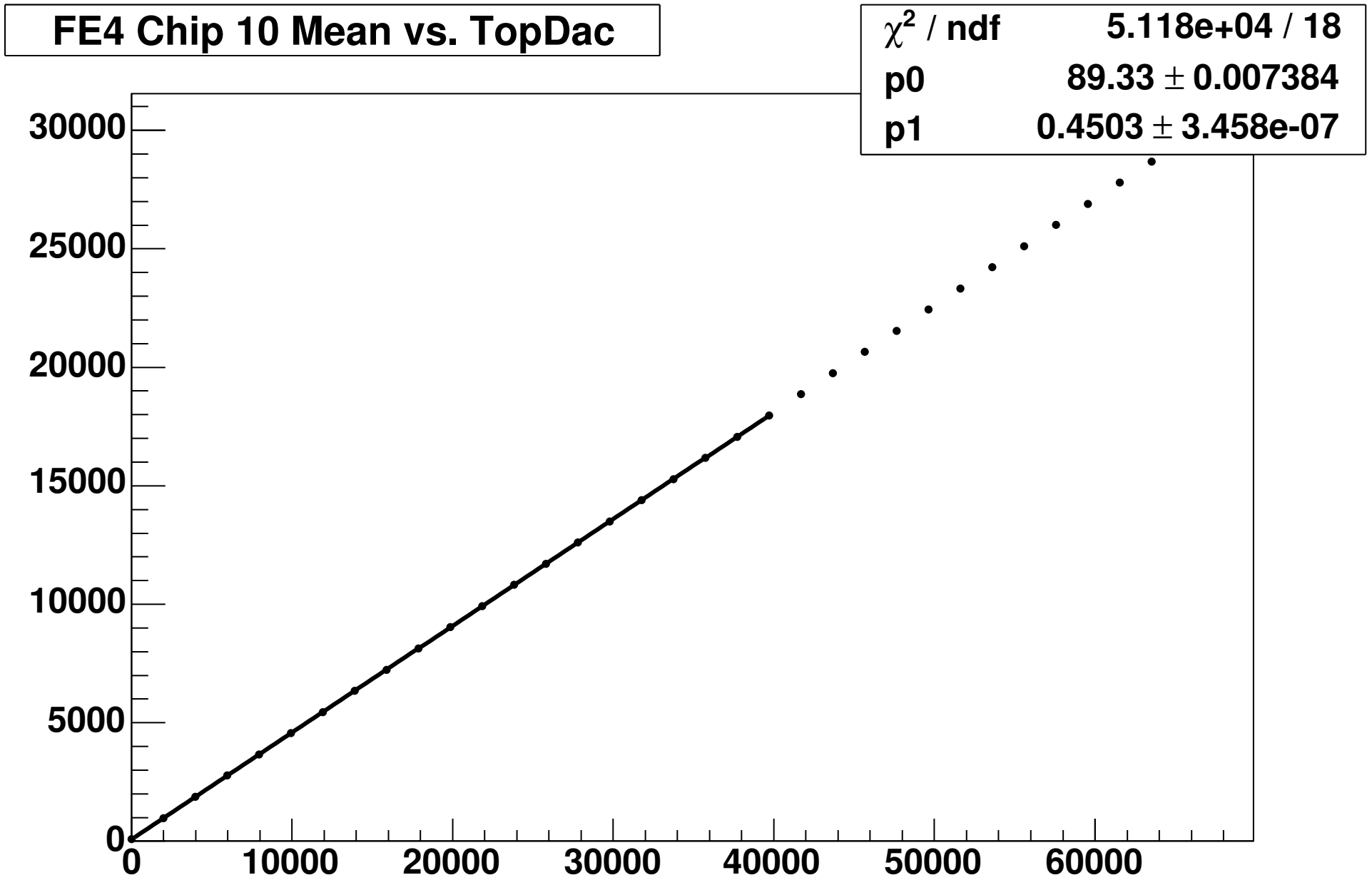
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 5.118e+04 / 18
p0 89.33 ± 0.007384
p1 0.4503 ± 3.458e-07
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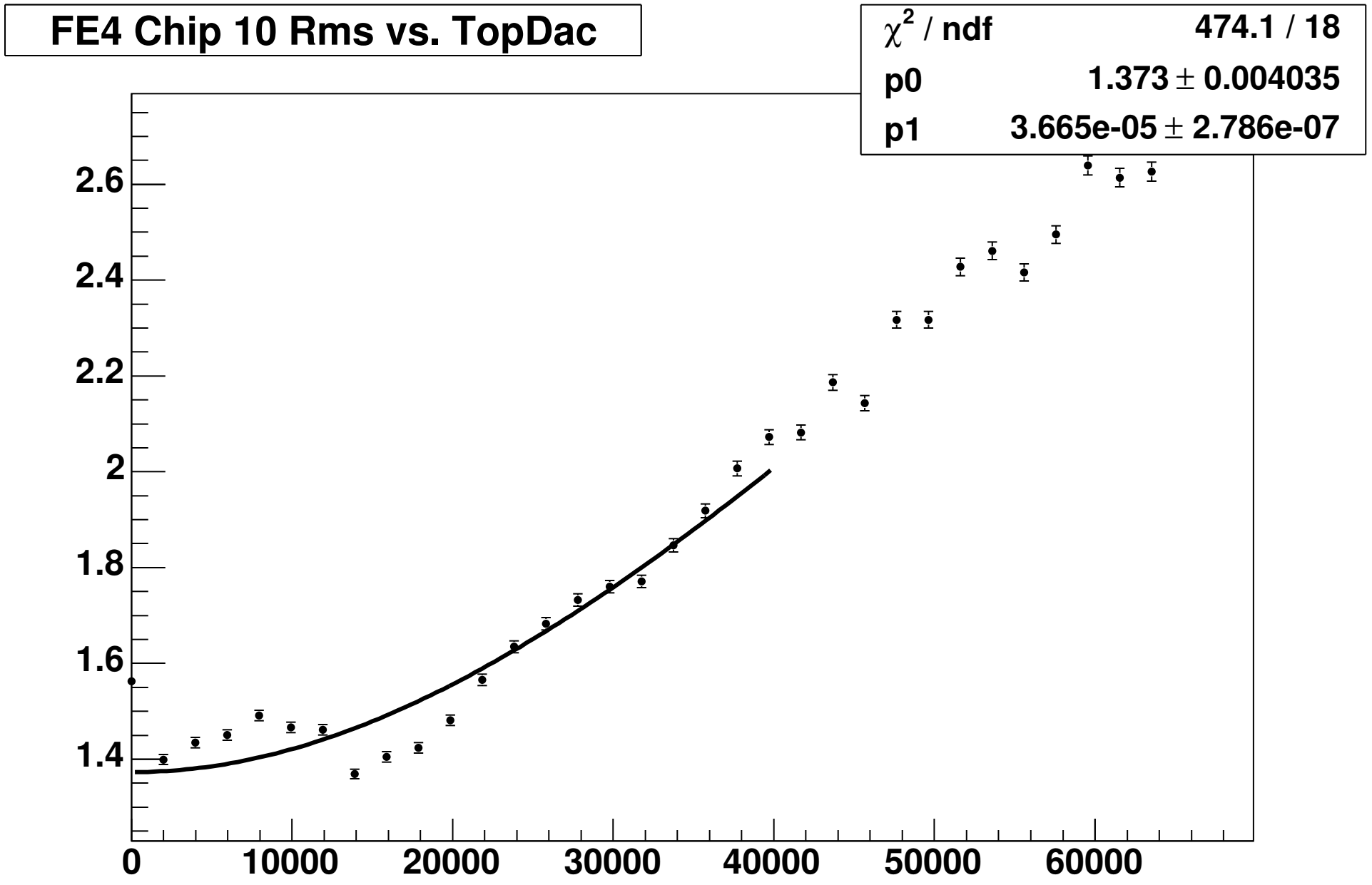
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 474.1 / 18
p0 1.373 ± 0.004035
p1 3.665e-05 ± 2.786e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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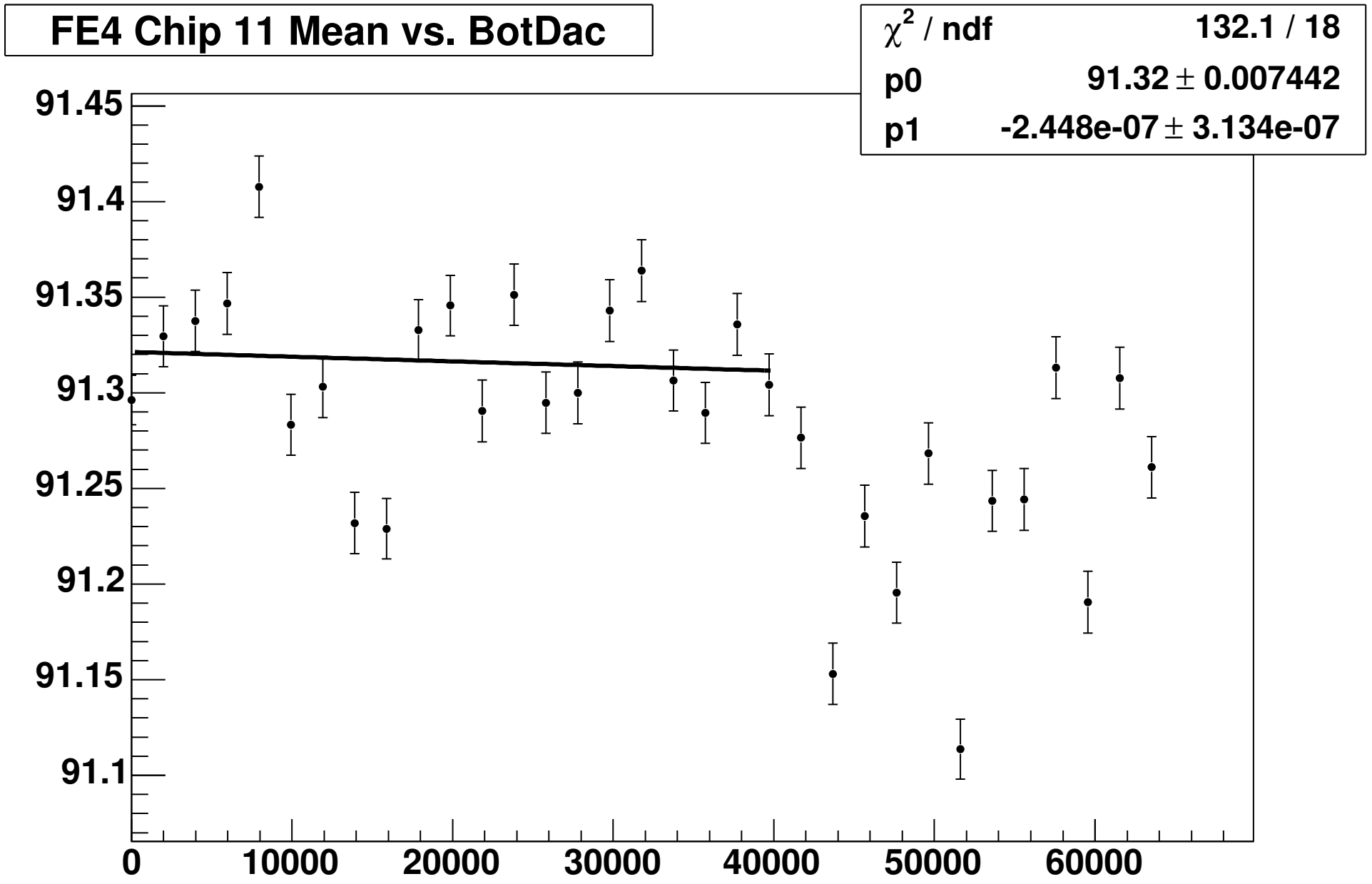
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 132.1 / 18
p0 91.32 ± 0.007442
p1 -2.448e-07 ± 3.134e-07
91.45
91.4
91.35
91.3
91.25
91.2
91.15
91.1
0
10000
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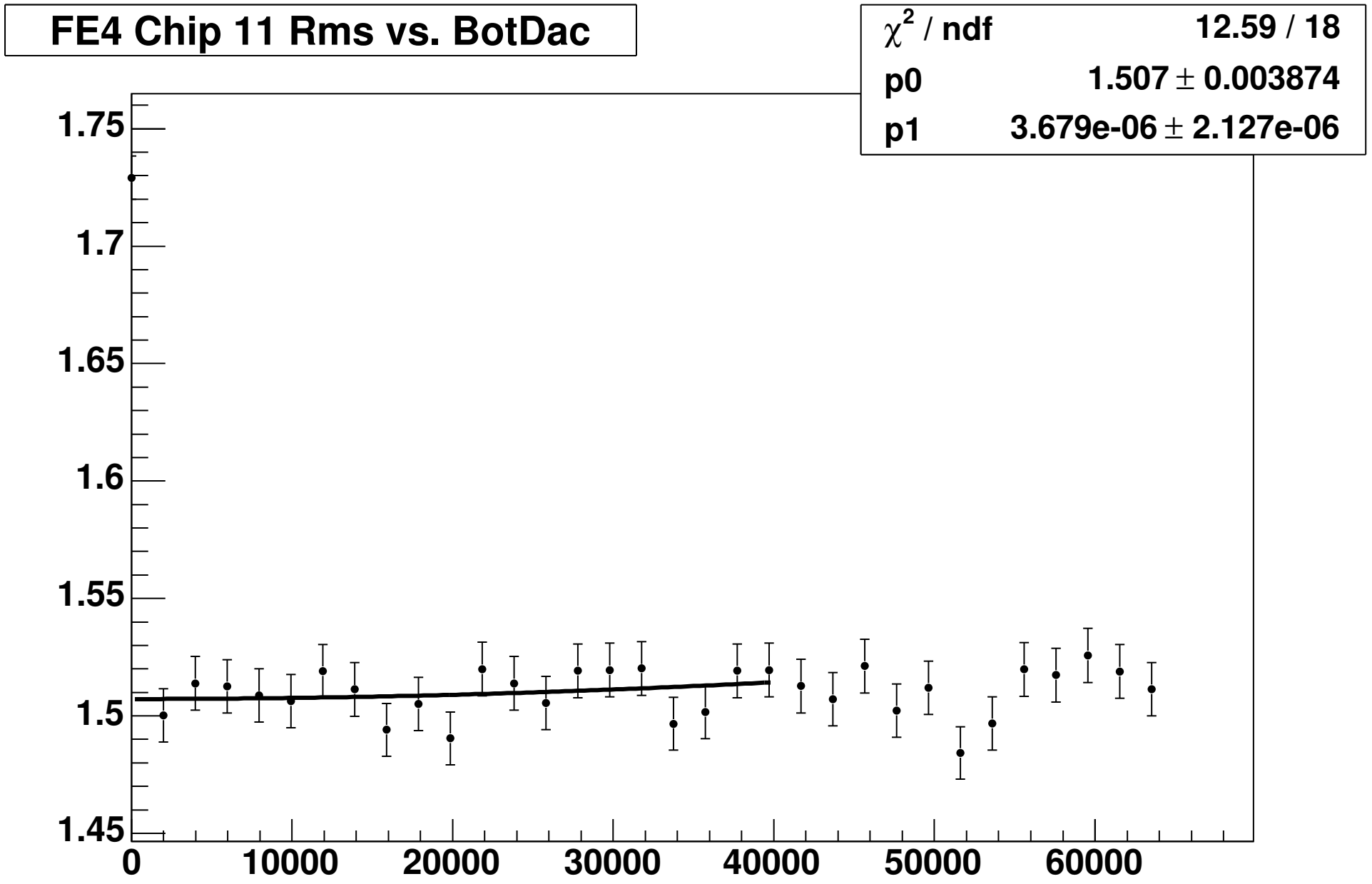
30000
40000
50000
60000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 12.59 / 18
p0 1.507 ± 0.003874
p1 3.679e-06 ± 2.127e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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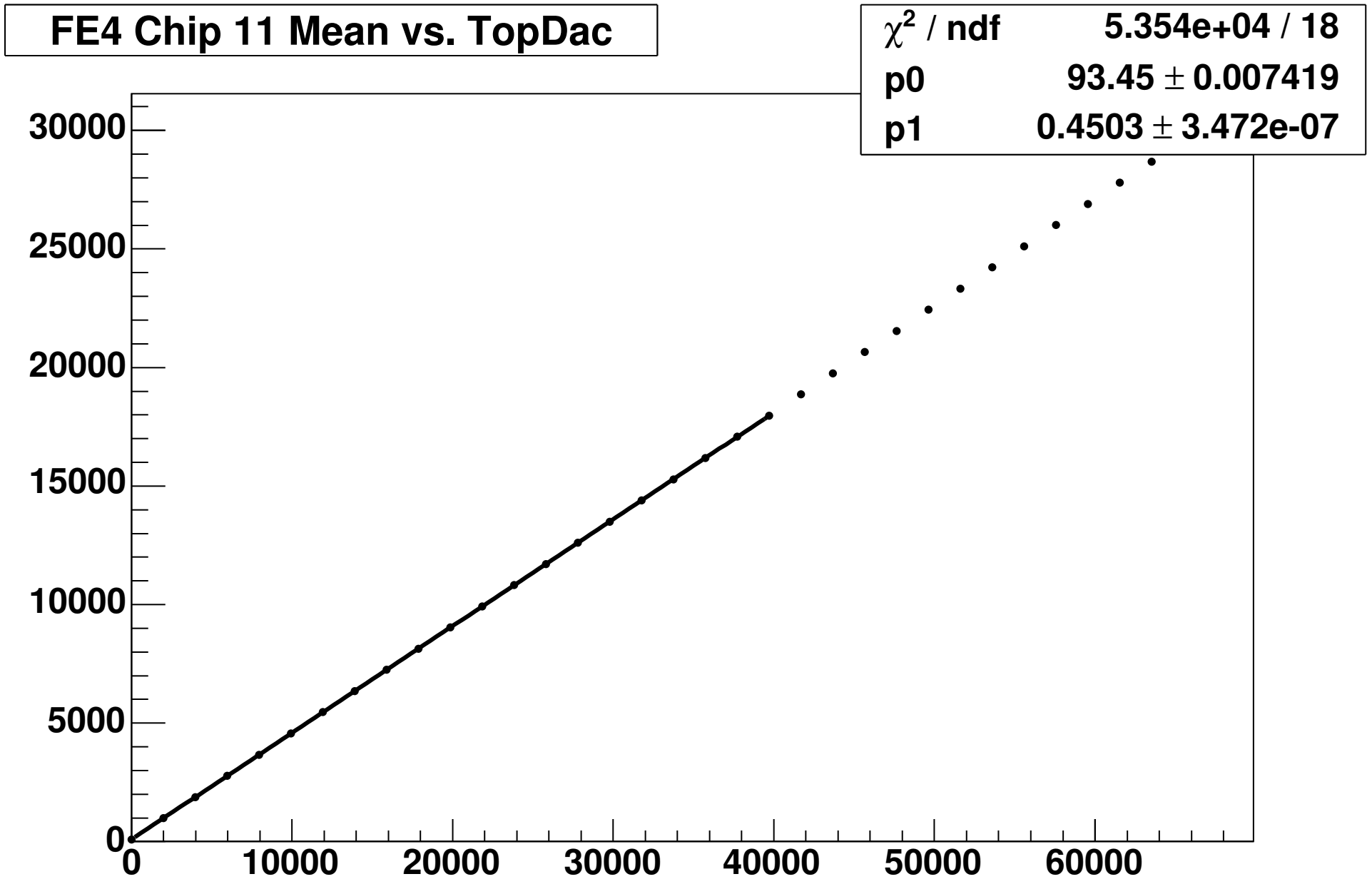
50000
60000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 5.354e+04 / 18
p0 93.45 ± 0.007419
p1 0.4503 ± 3.472e-07
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25000
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10000
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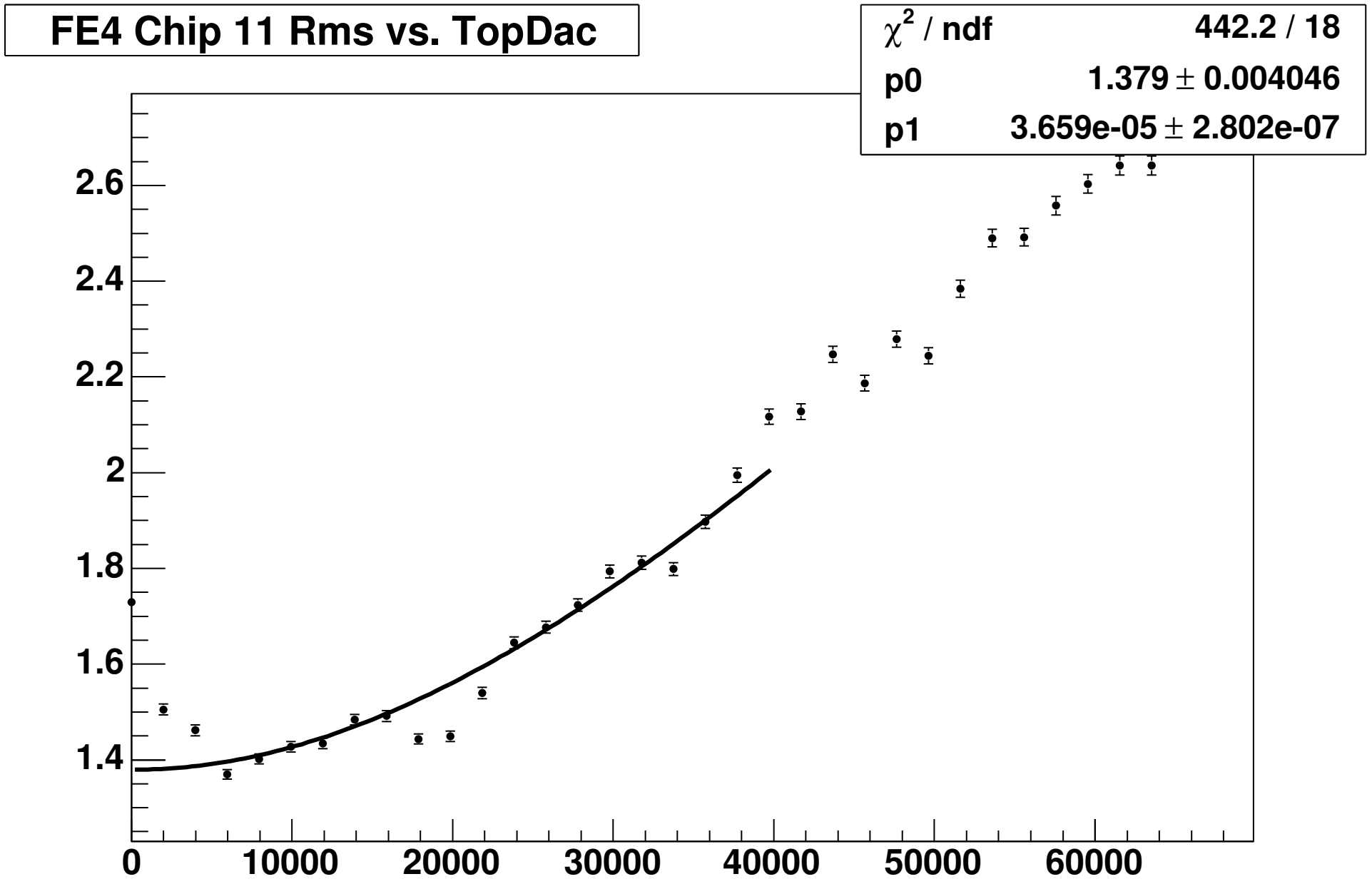
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 442.2 / 18
p0 1.379 ± 0.004046
p1 3.659e-05 ± 2.802e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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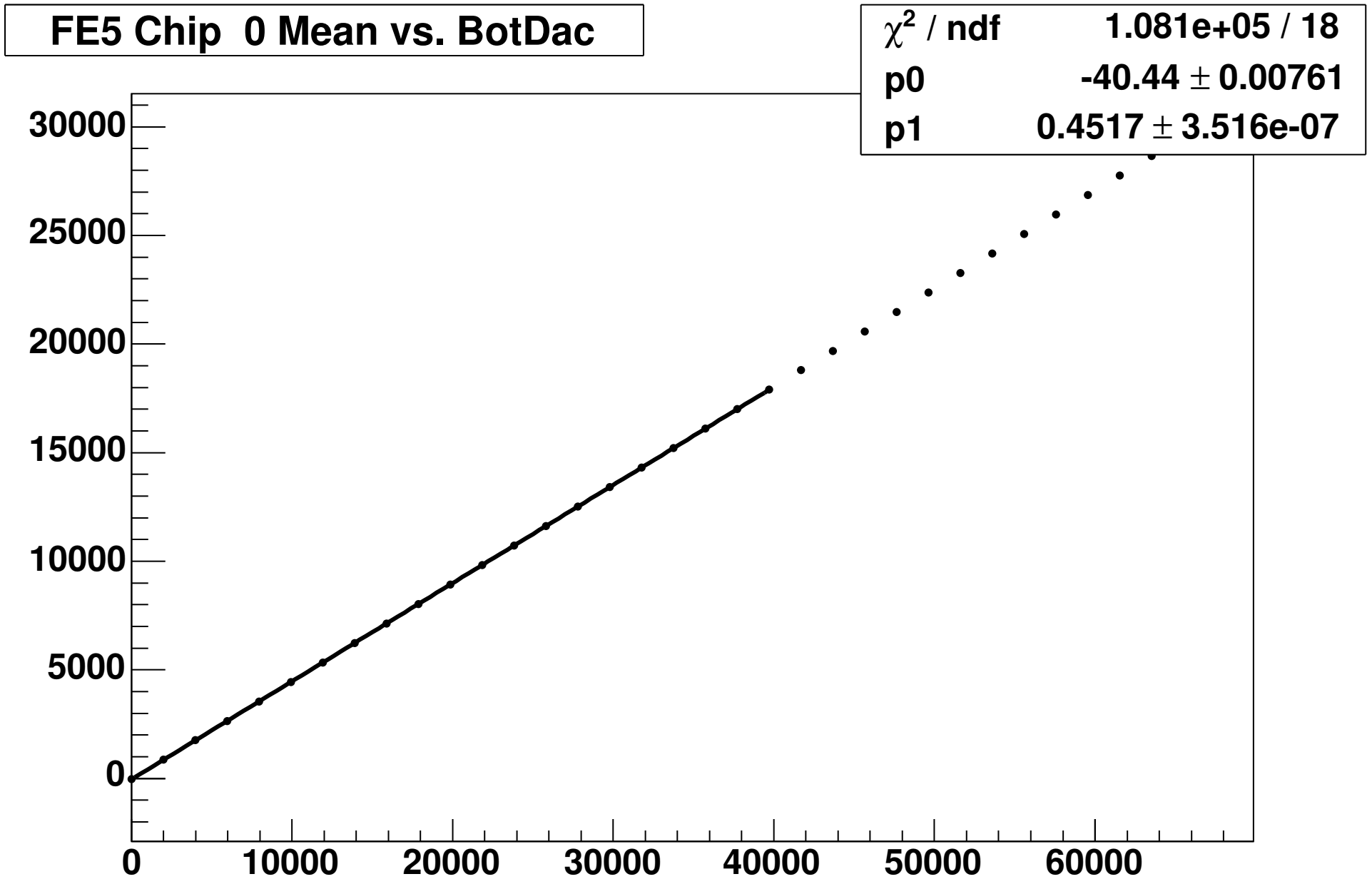
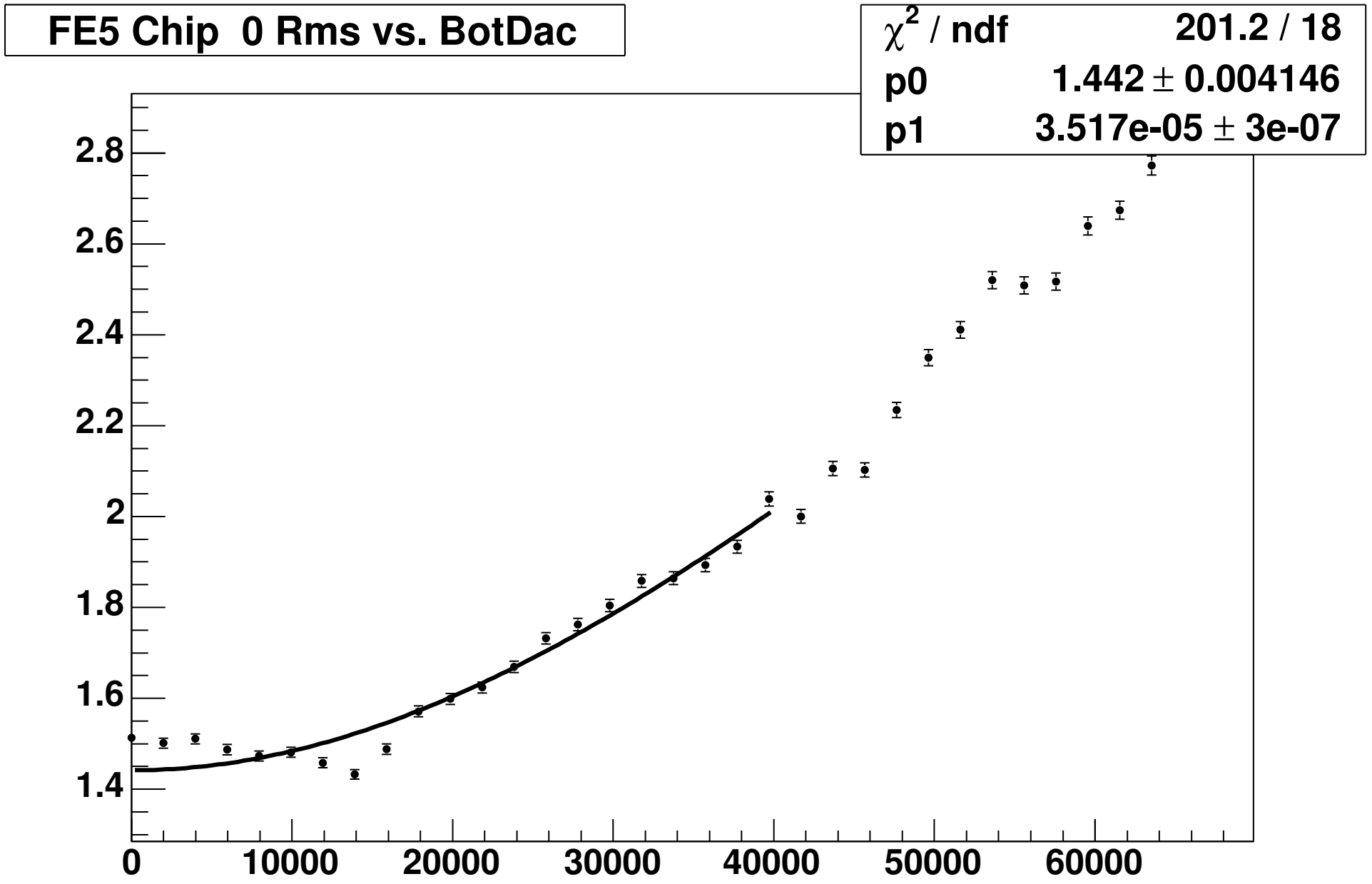
40000
50000
60000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.081e+05 / 18
p0 -40.44 ± 0.00761
p1 0.4517 ± 3.516e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 201.2 / 18
p0 1.442 ± 0.004146
p1 3.517e-05 ± 3e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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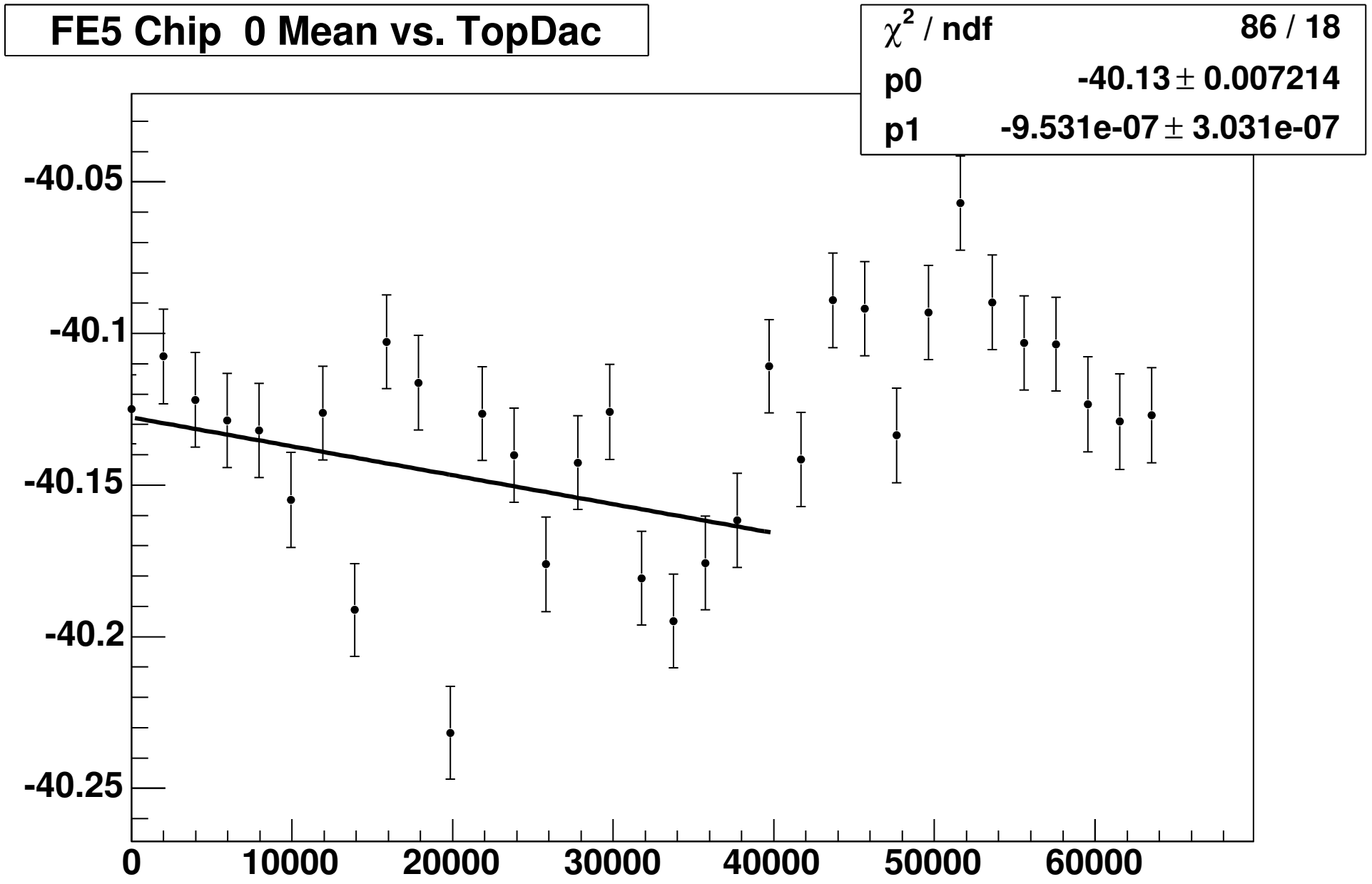
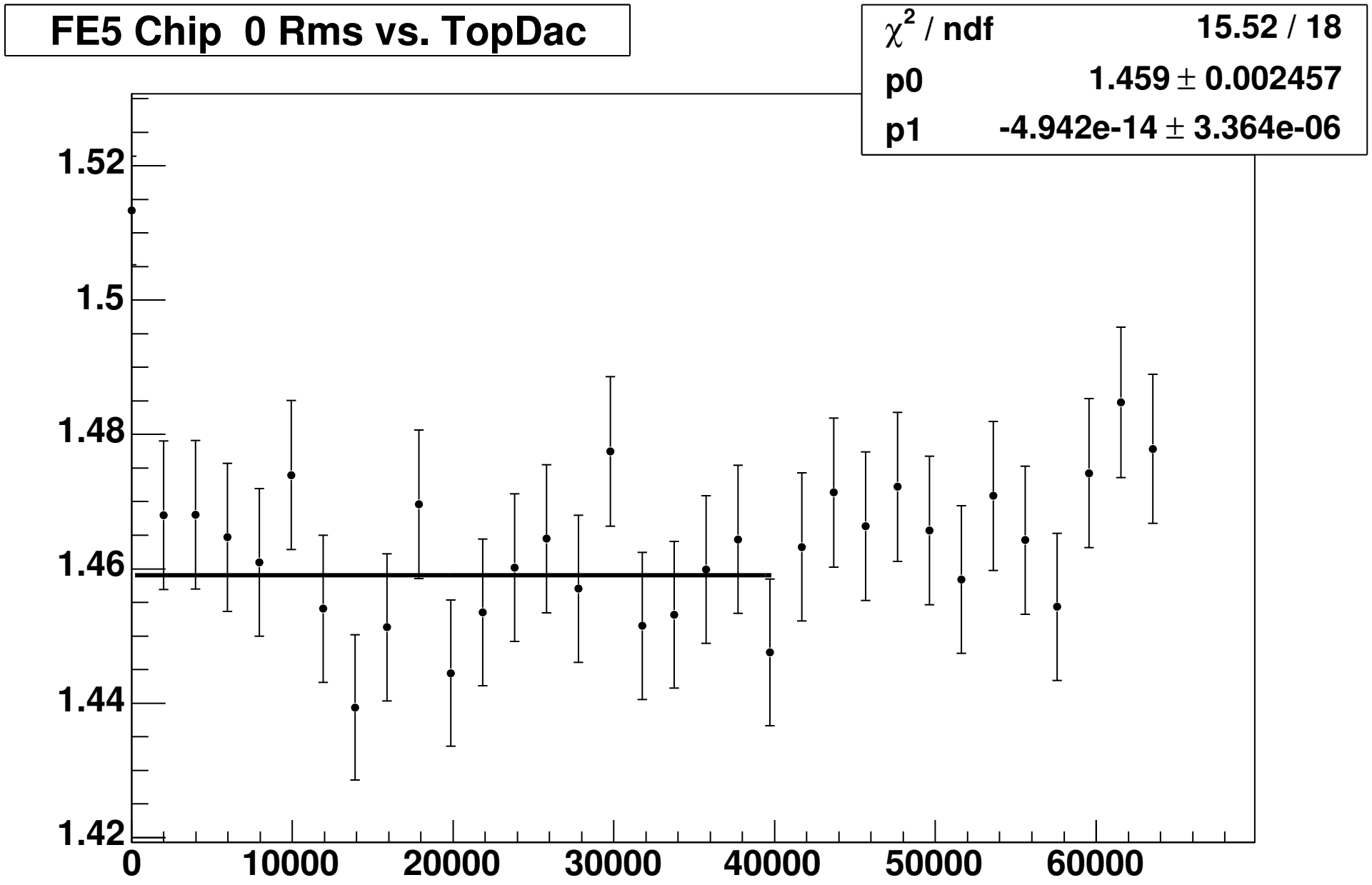
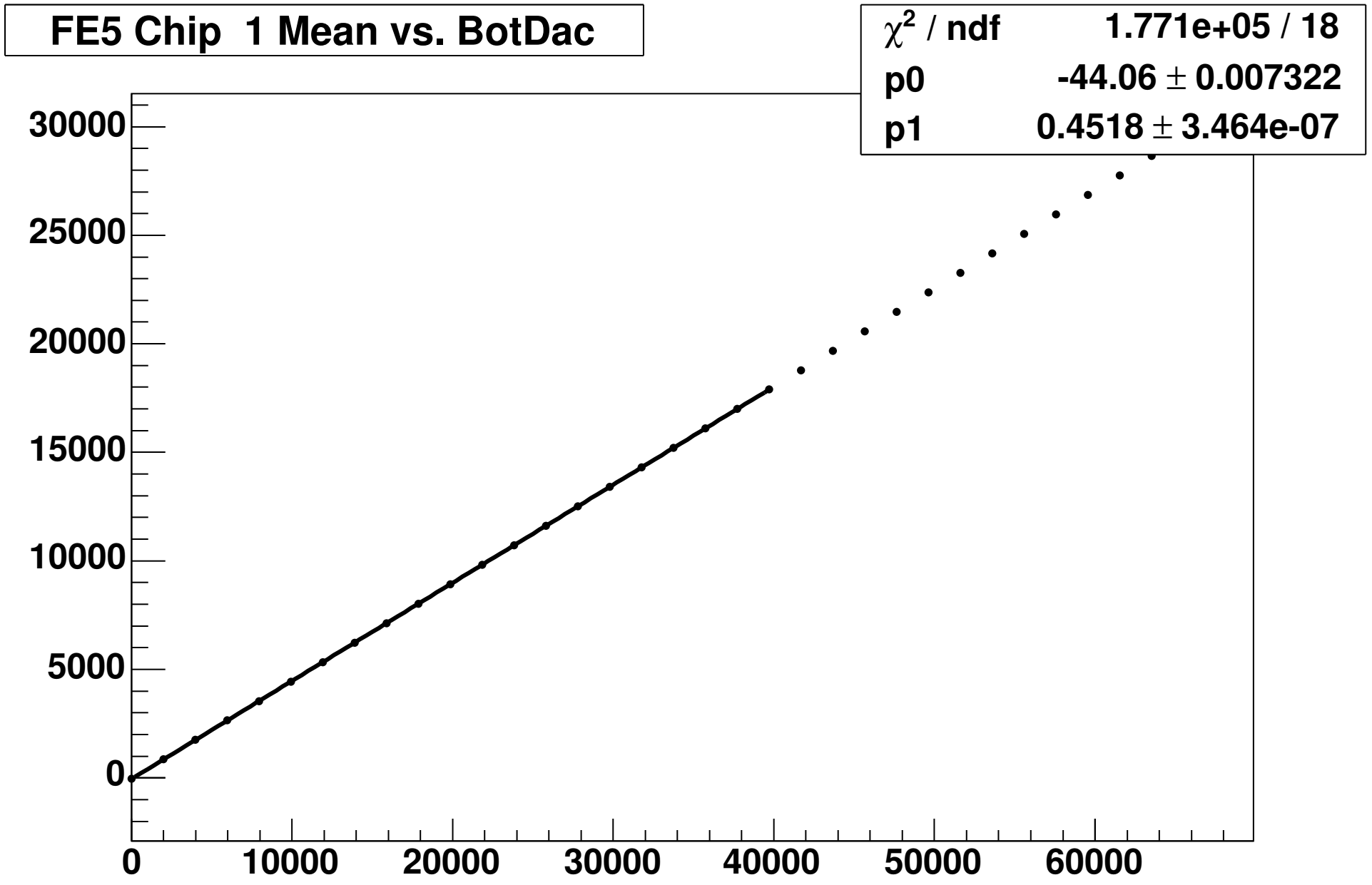
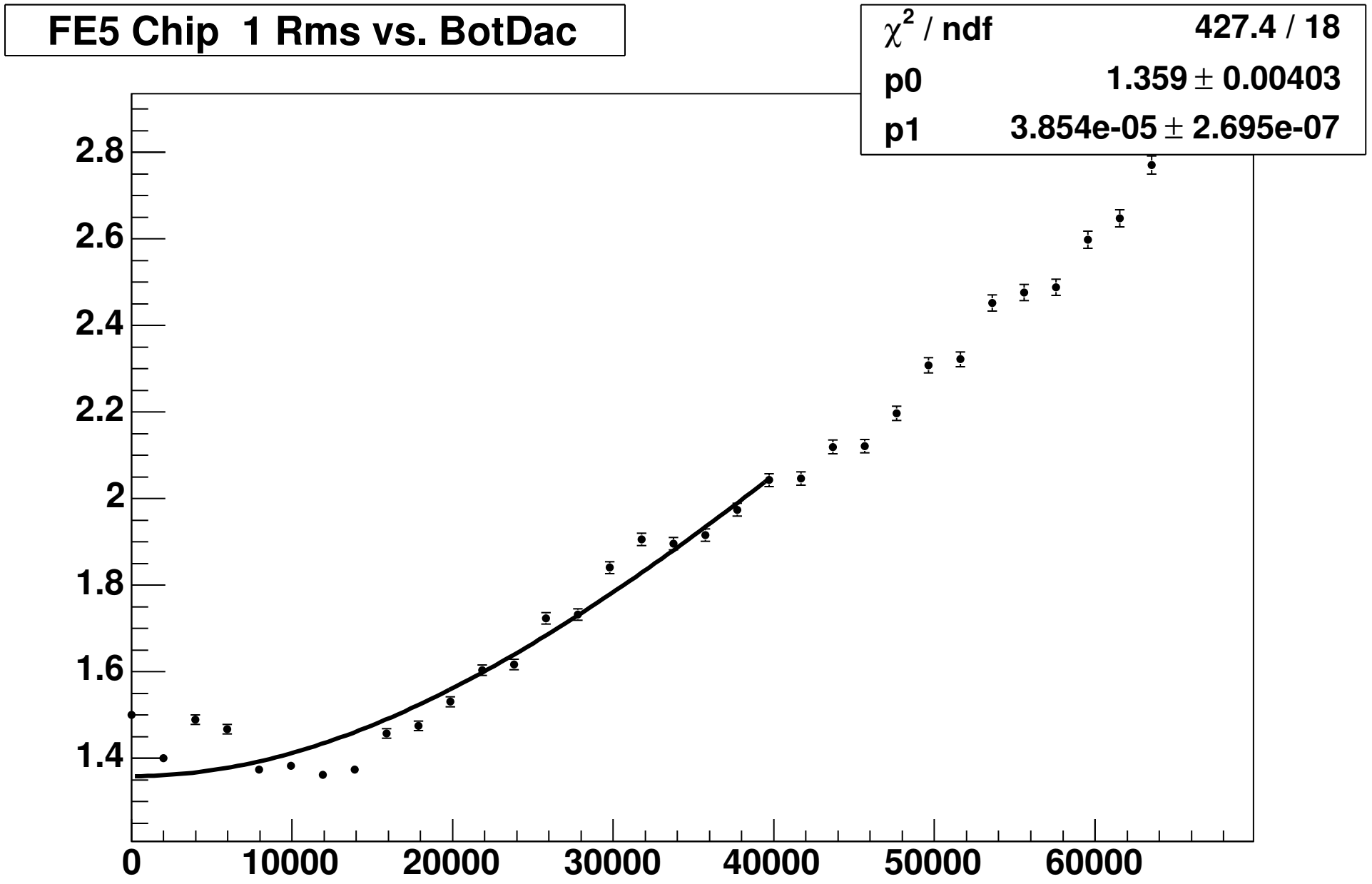
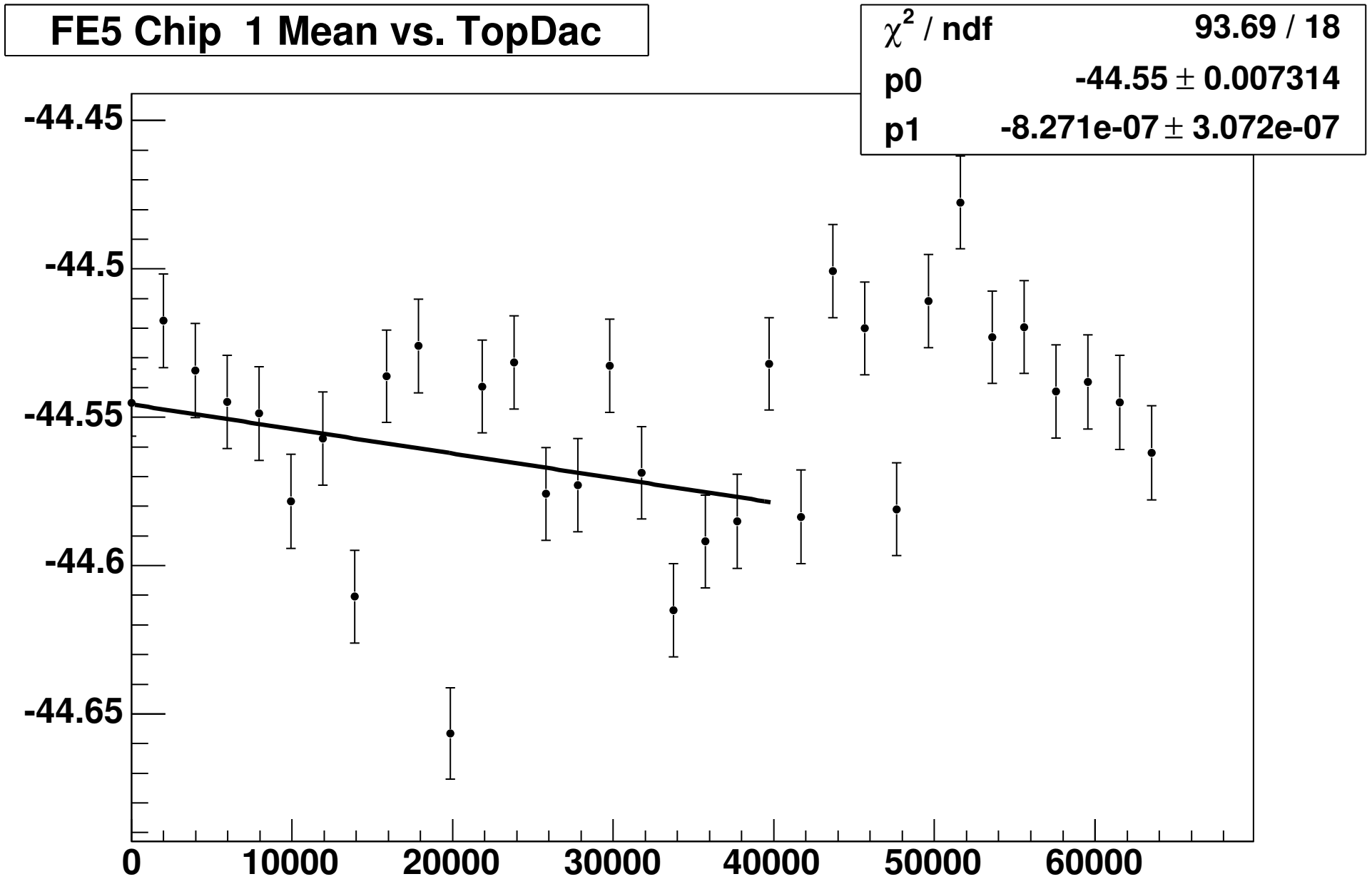
30000
40000
50000
60000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 86 / 18
p0 -40.13 ± 0.007214
p1 -9.531e-07 ± 3.031e-07
-40.05
-40.1
-40.15
-40.2
-40.25
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 15.52 / 18
p0 1.459 ± 0.002457
p1 -4.942e-14 ± 3.364e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.771e+05 / 18
p0 -44.06 ± 0.007322
p1 0.4518 ± 3.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 427.4 / 18
p0 1.359 ± 0.00403
p1 3.854e-05 ± 2.695e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Mean vs. TopDac
χ^2 / ndf 93.69 / 18
p0 -44.55 ± 0.007314
p1 -8.271e-07 ± 3.072e-07
-44.45
-44.5
-44.55
-44.6
-44.65
0
10000
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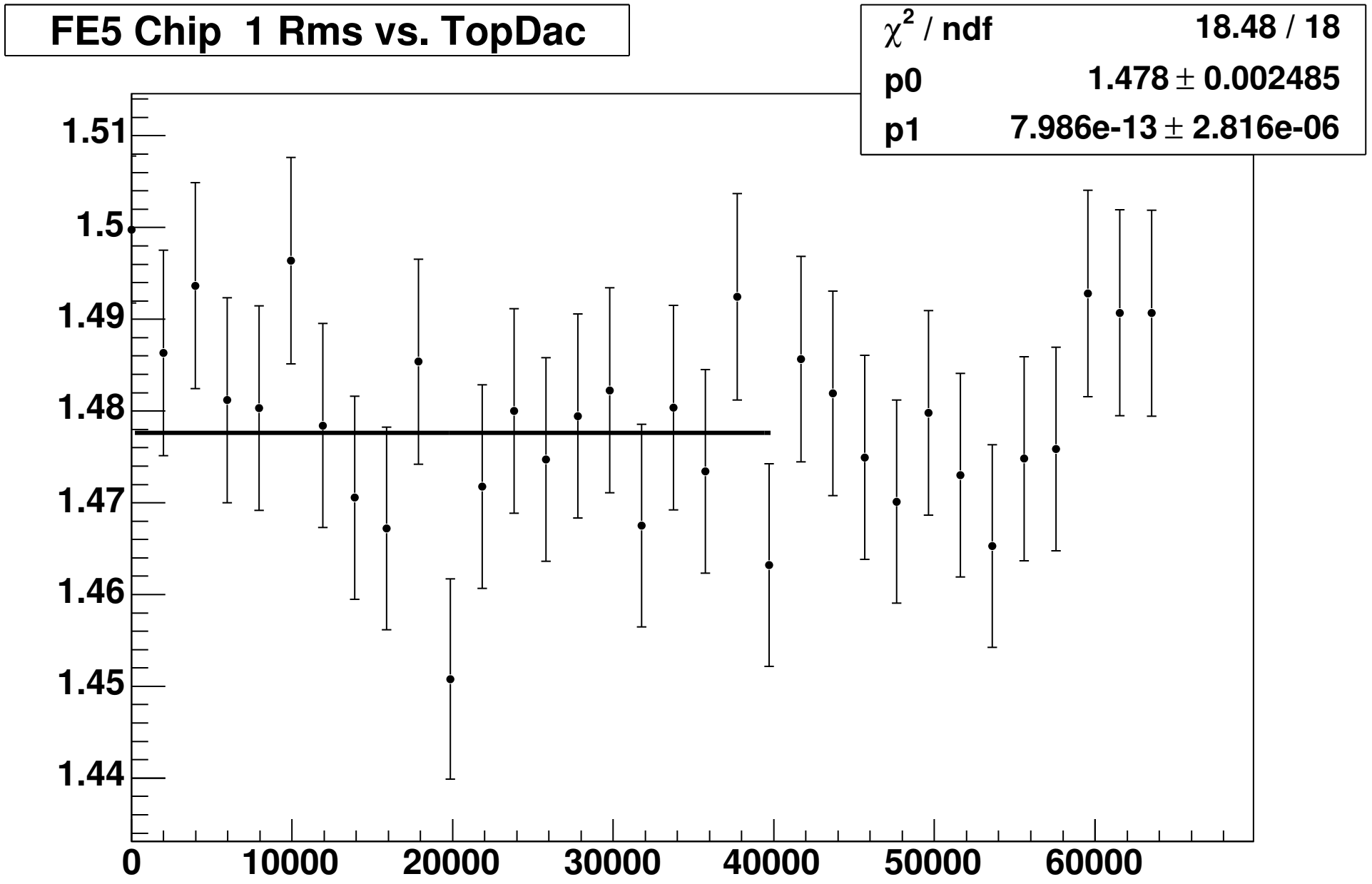
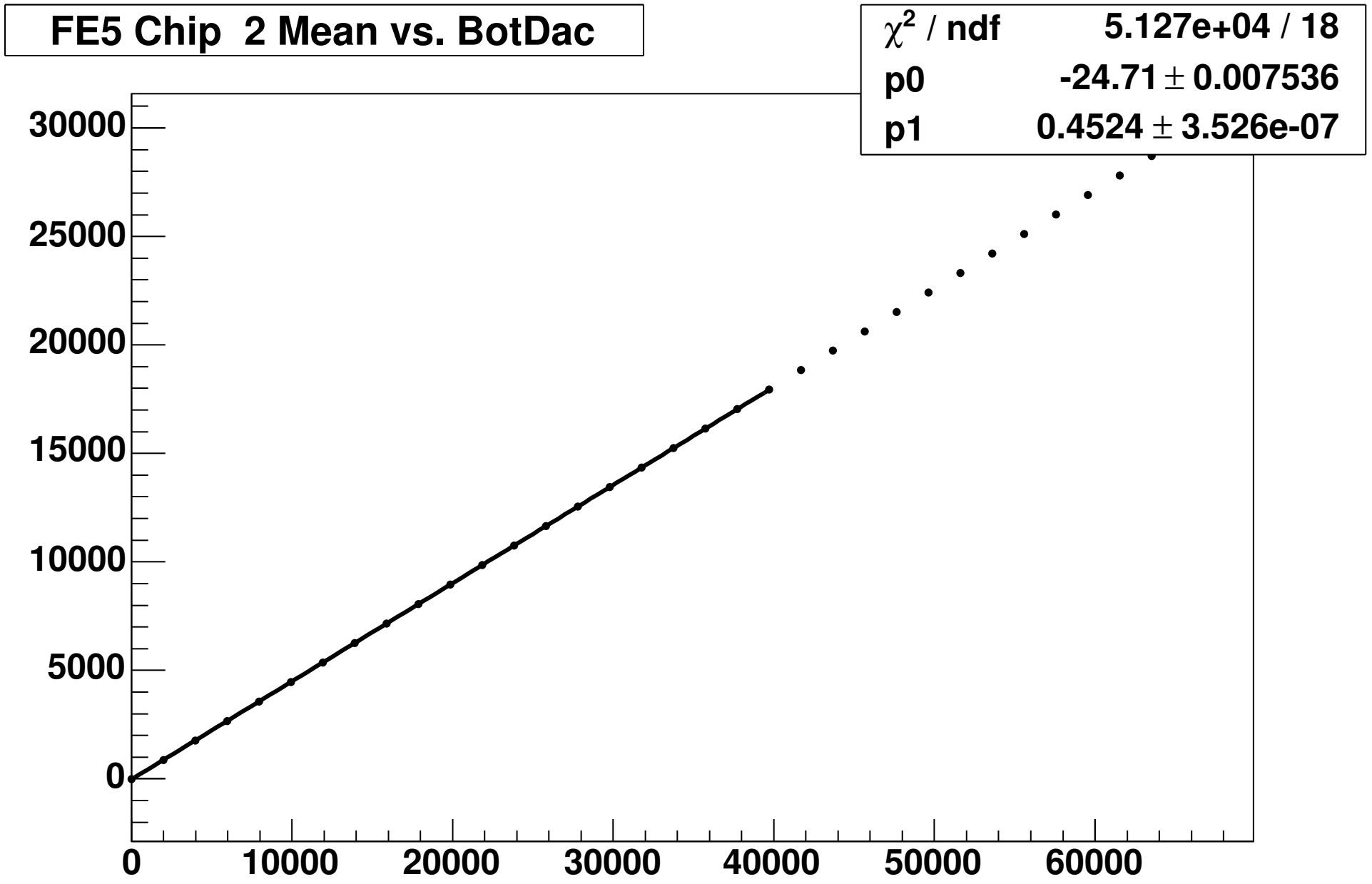
30000
40000
50000
60000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 18.48 / 18
p0 1.478 ± 0.002485
p1 7.986e-13 ± 2.816e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 5.127e+04 / 18
p0 -24.71 ± 0.007536
p1 0.4524 ± 3.526e-07
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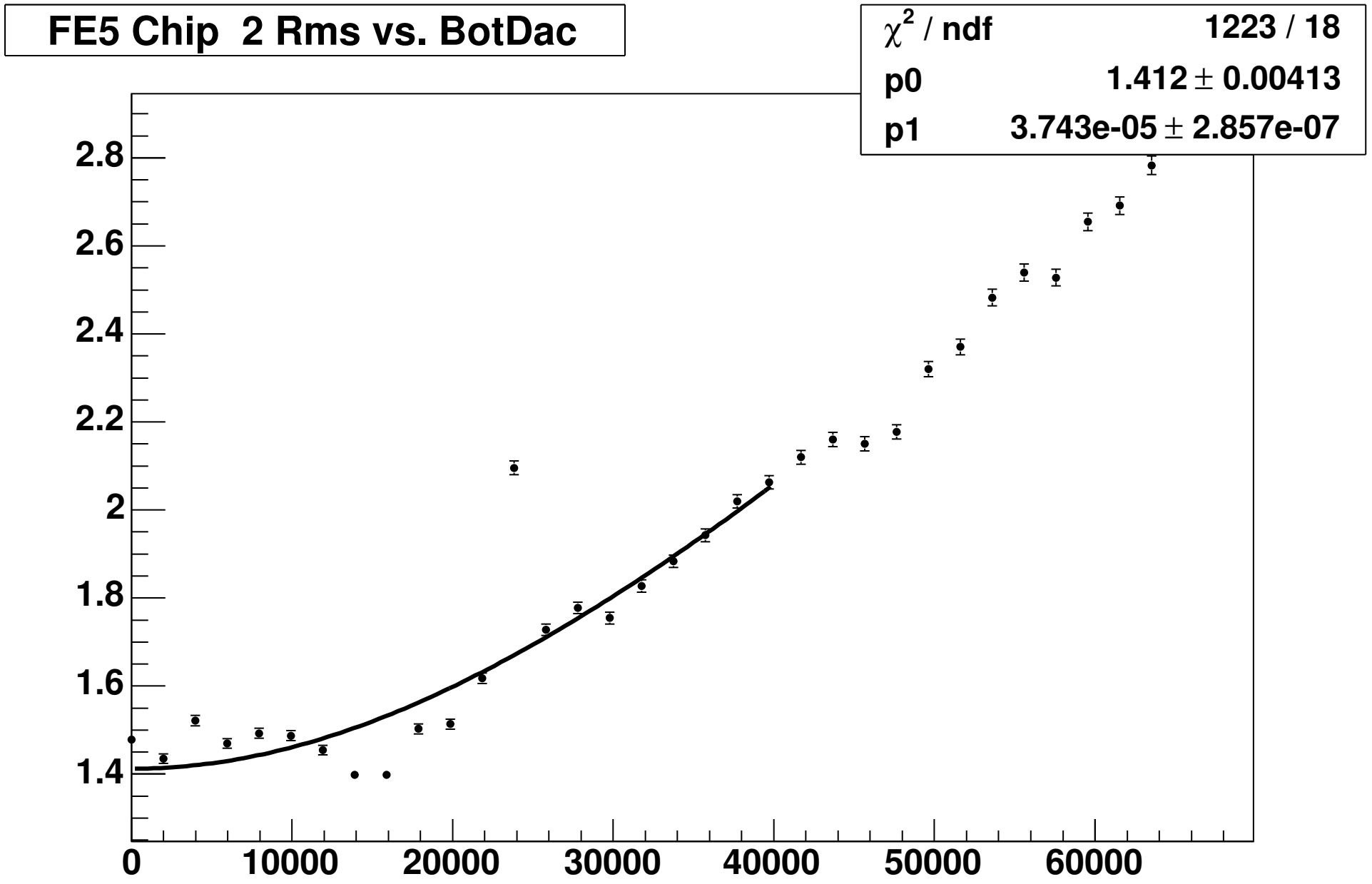
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1223 / 18
p0 1.412 ± 0.00413
p1 3.743e-05 ± 2.857e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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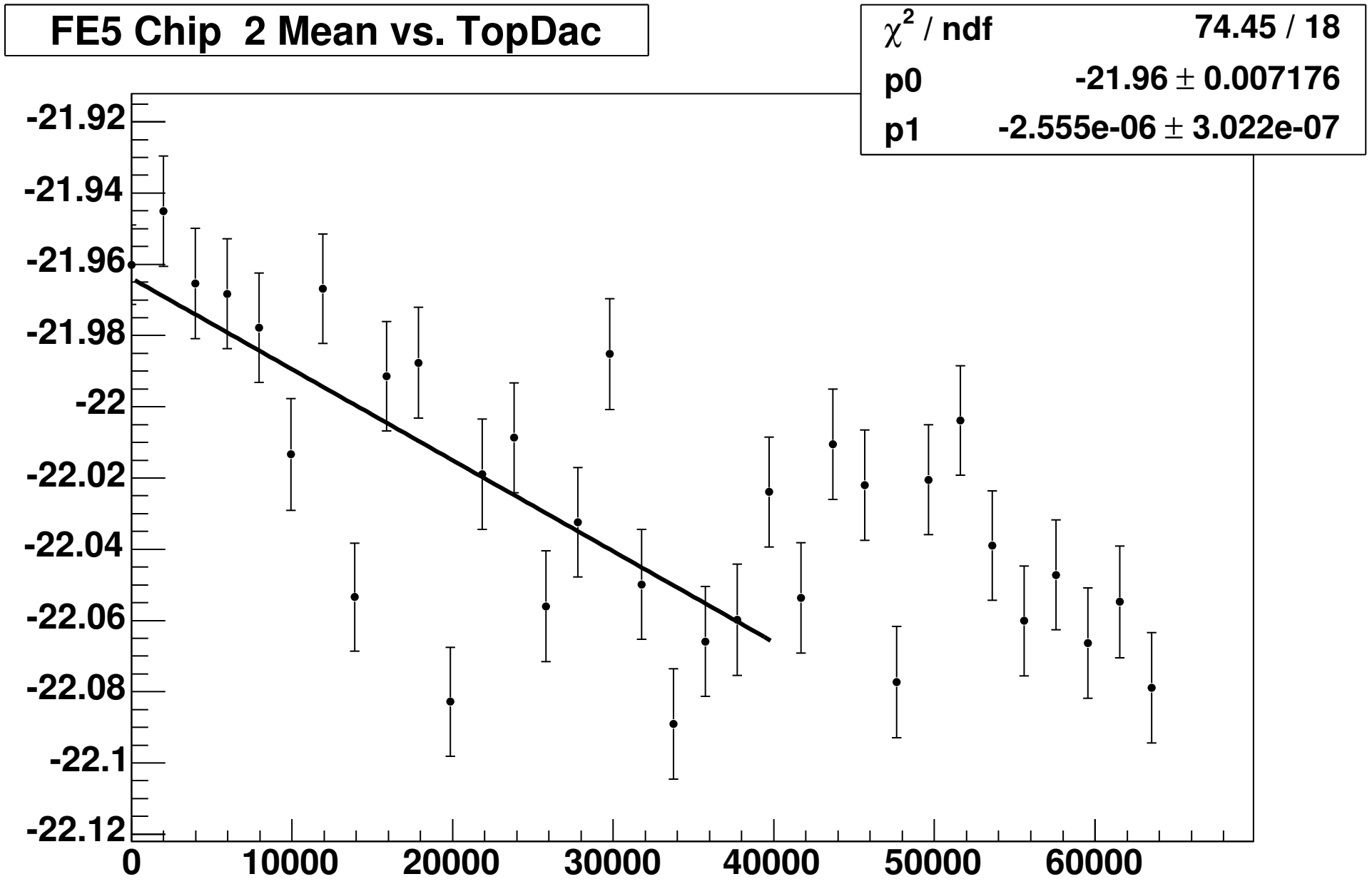
FE5 Chip 2 Mean vs. TopDac
χ^2 / ndf 74.45 / 18
p0 -21.96 ± 0.007176
p1 -2.555e-06 ± 3.022e-07
-21.92
-21.94
-21.96
-21.98
-22
-22.02
-22.04
-22.06
-22.08
-22.1
-22.12
0
10000
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30000
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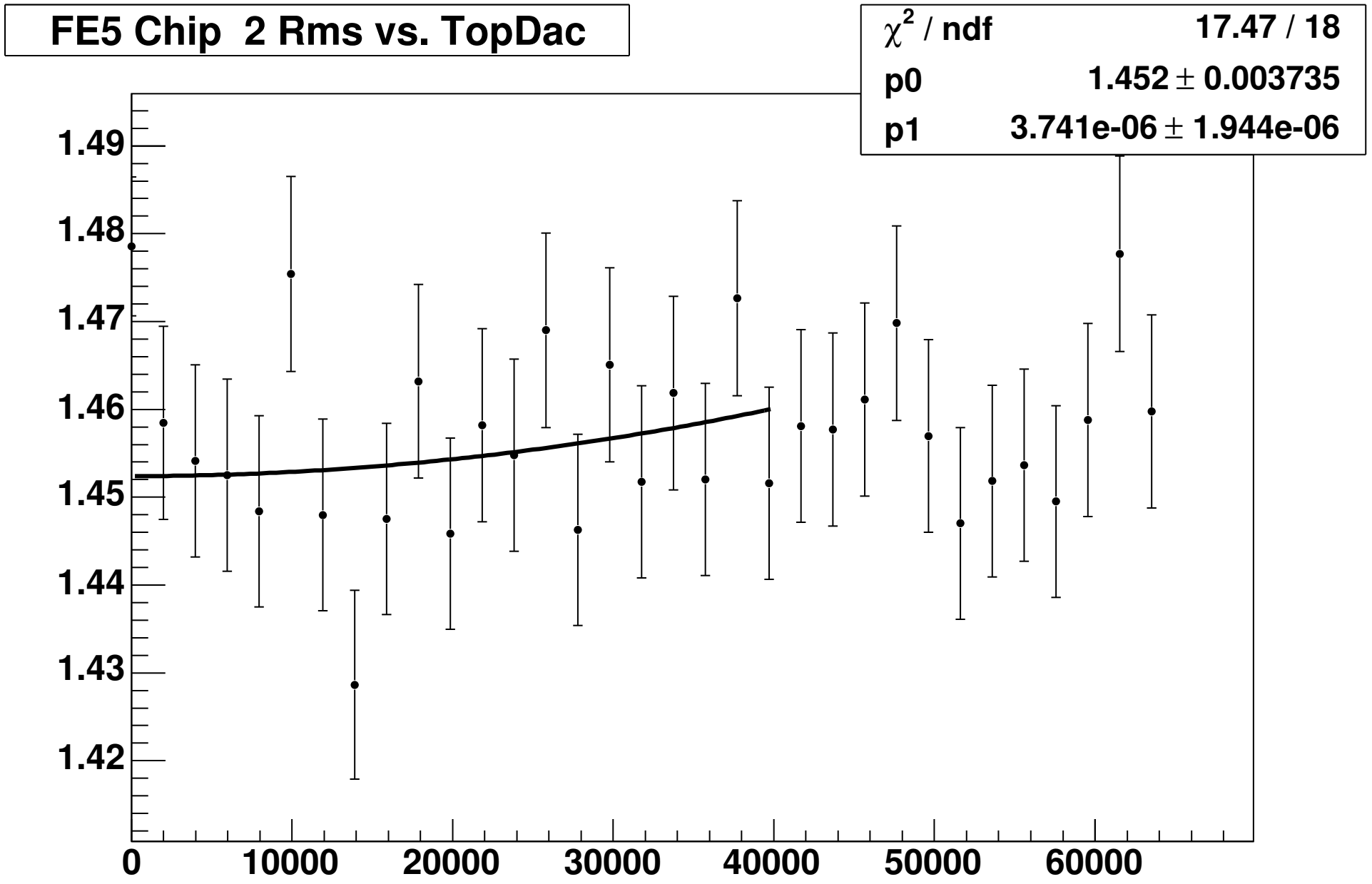
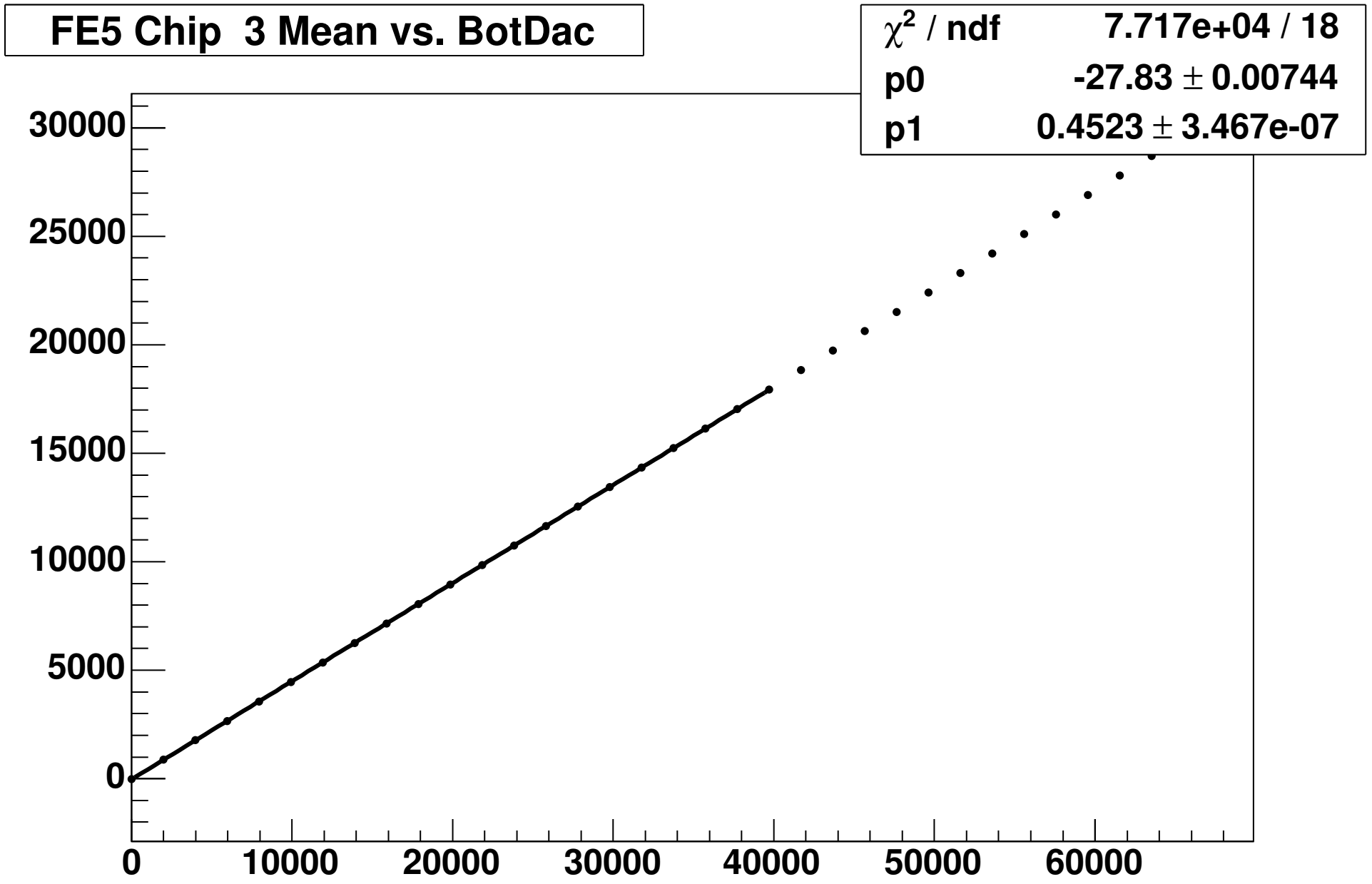
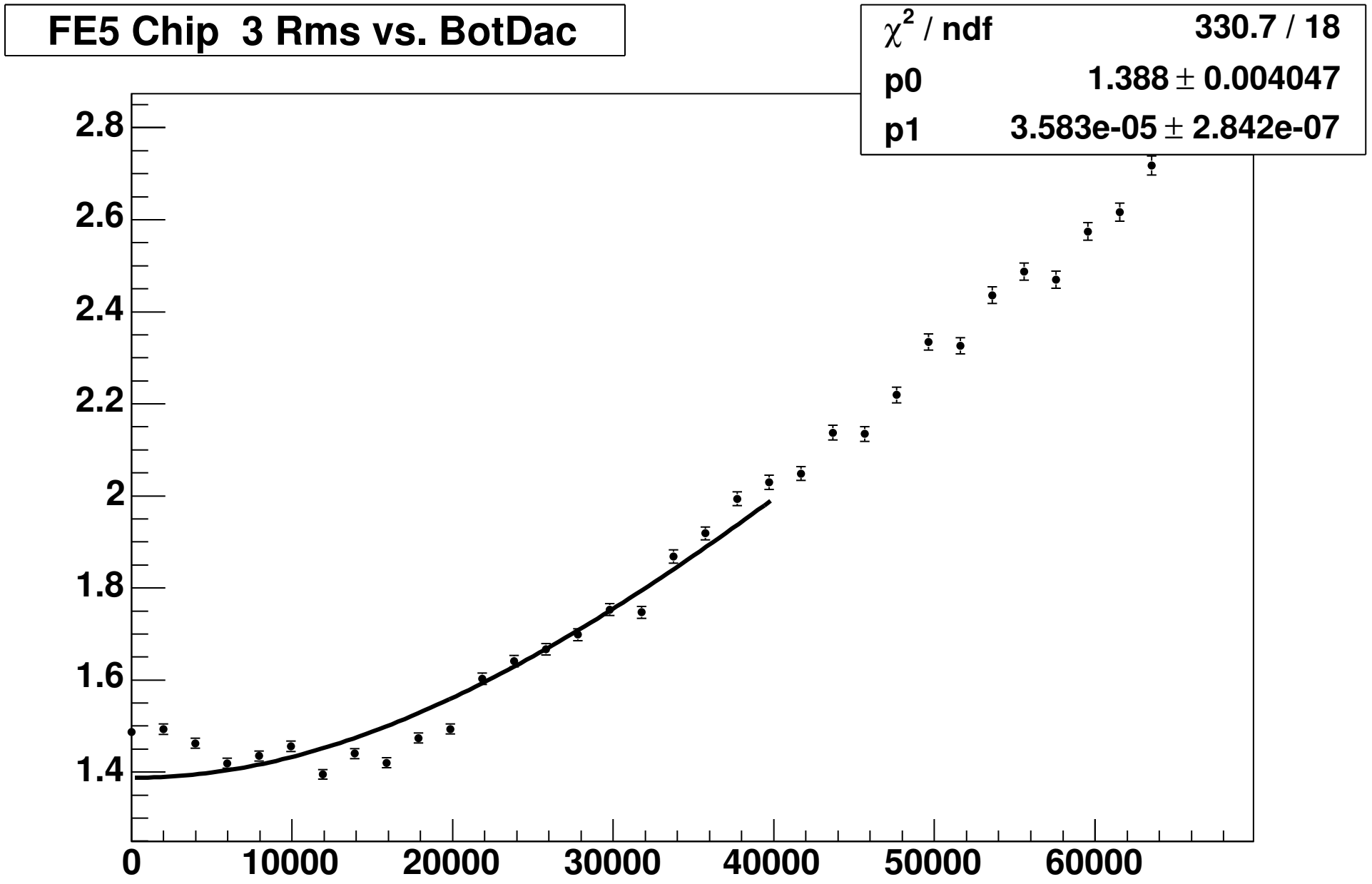
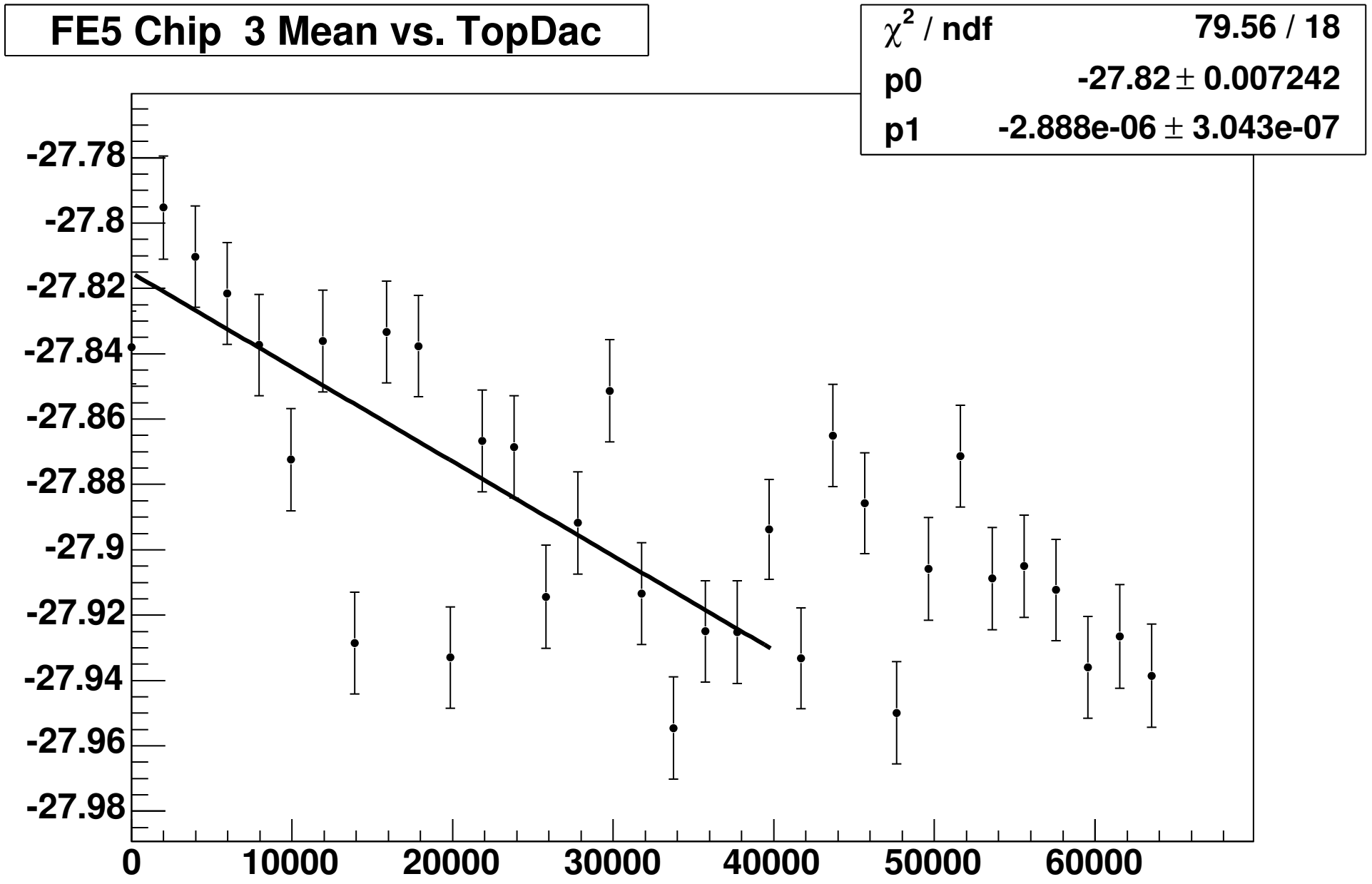

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 17.47 / 18
p0 1.452 ± 0.003735
p1 3.741e-06 ± 1.944e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 7.717e+04 / 18
p0 -27.83 ± 0.00744
p1 0.4523 ± 3.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 330.7 / 18
p0 1.388 ± 0.004047
p1 3.583e-05 ± 2.842e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 79.56 / 18
p0 -27.82 ± 0.007242
p1 -2.888e-06 ± 3.043e-07
-27.78
-27.8
-27.82
-27.84
-27.86
-27.88
-27.9
-27.92
-27.94
-27.96
-27.98
0
10000
20000
30000
40000
50000
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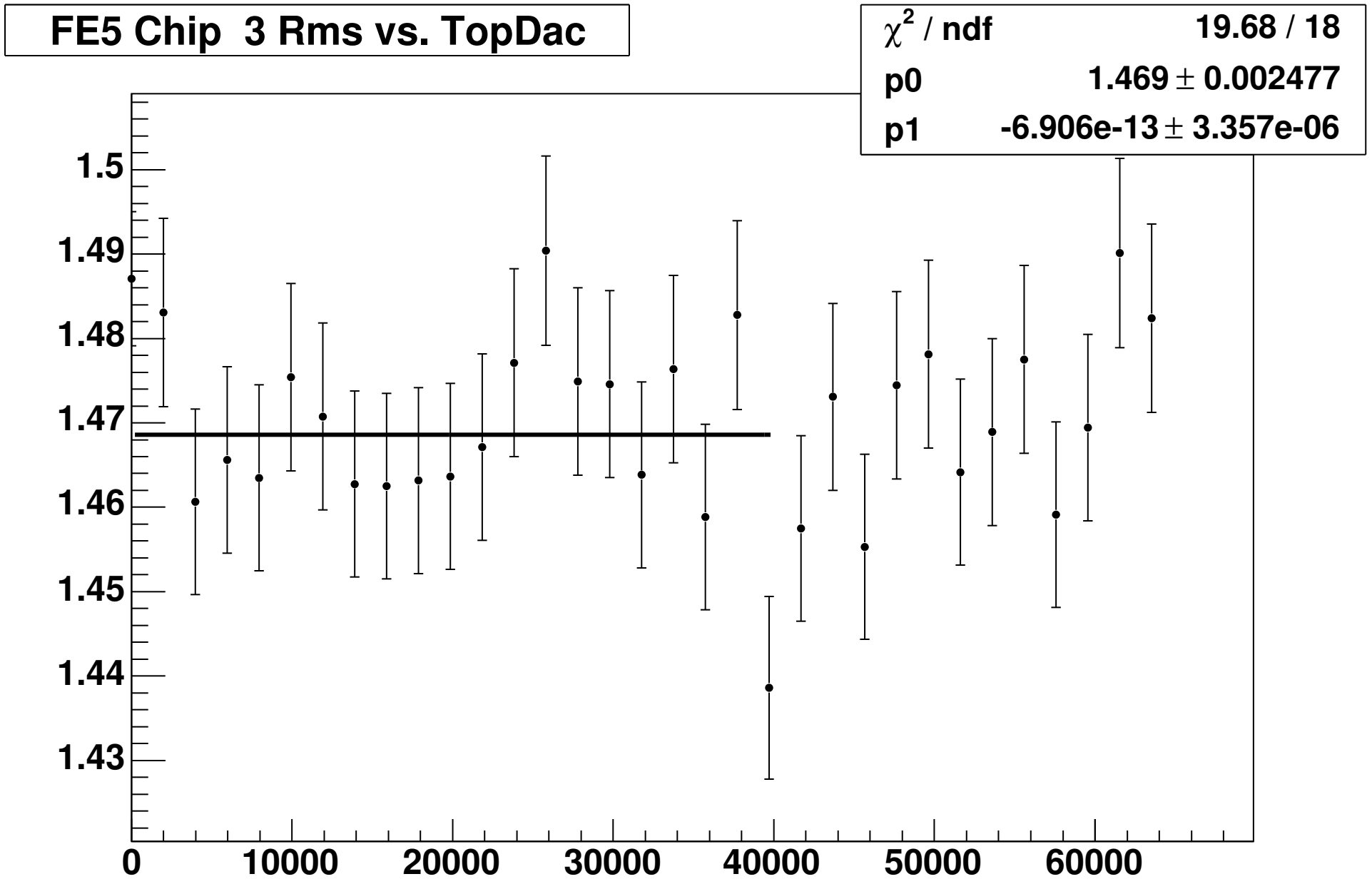
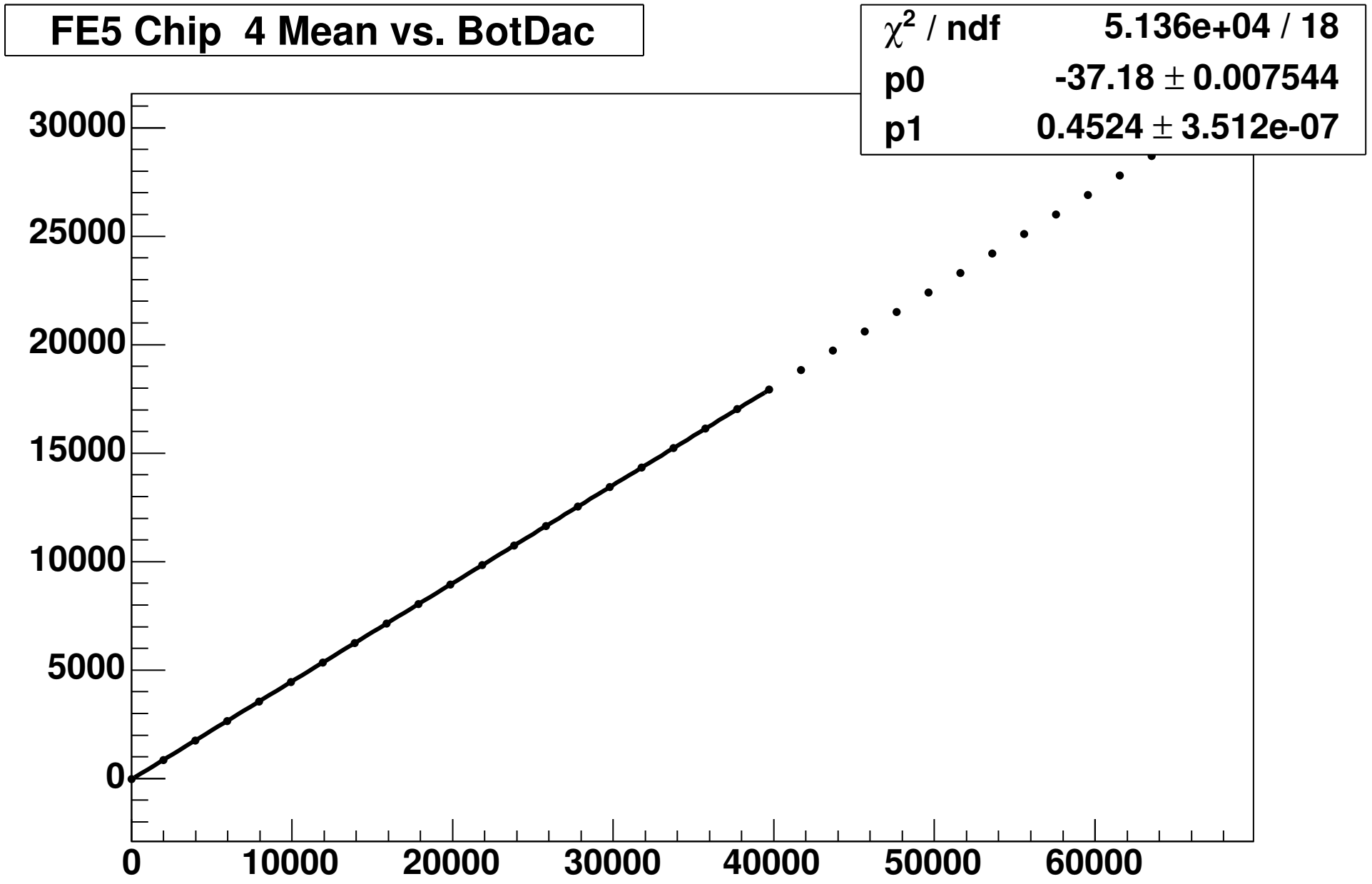

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 19.68 / 18
p0 1.469 ± 0.002477
p1 -6.906e-13 ± 3.357e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 5.136e+04 / 18
p0 -37.18 ± 0.007544
p1 0.4524 ± 3.512e-07
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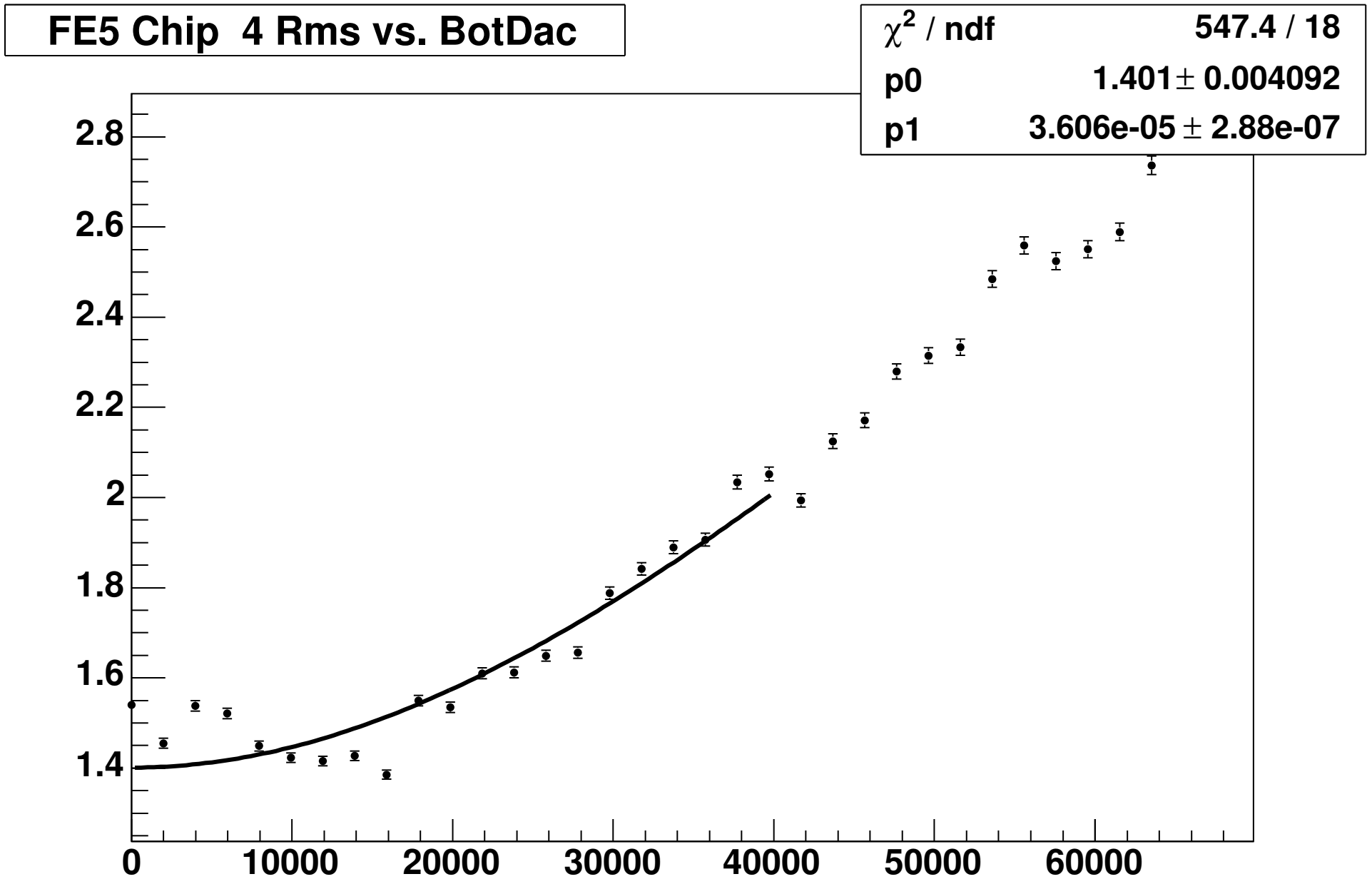
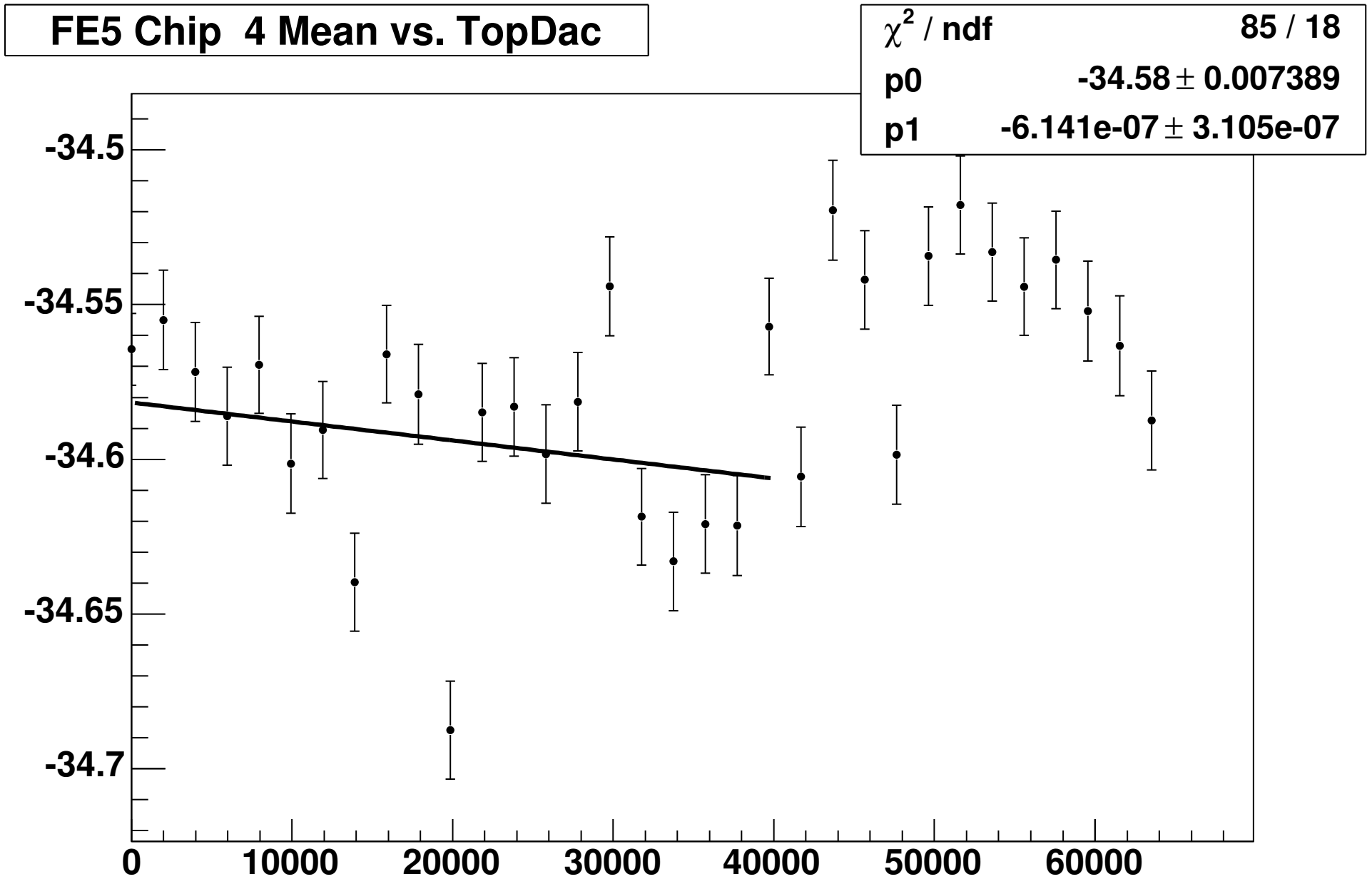
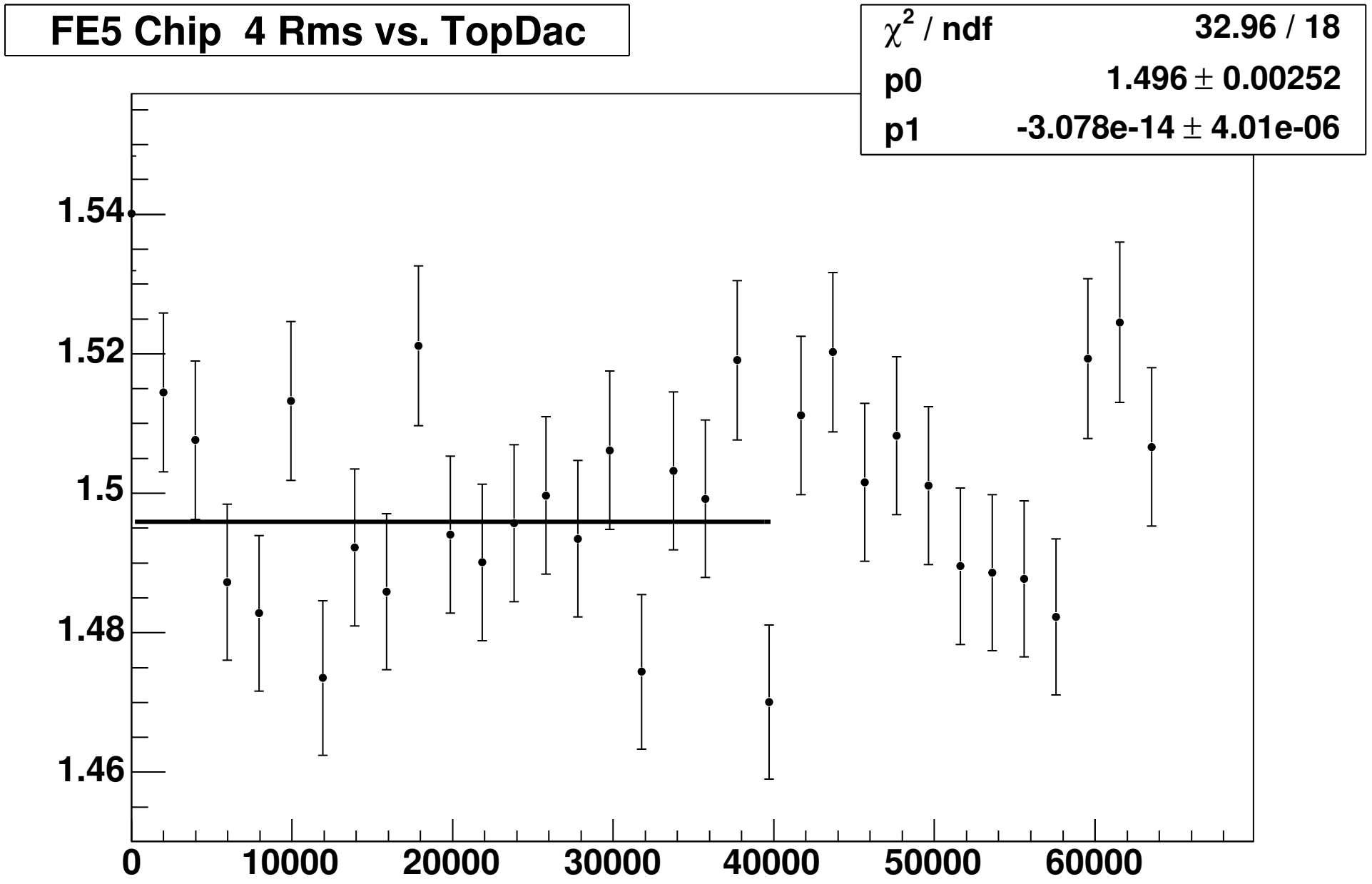
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 547.4 / 18
p0 1.401 ± 0.004092
p1 3.606e-05 ± 2.88e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 85 / 18
p0 -34.58 ± 0.007389
p1 -6.141e-07 ± 3.105e-07
-34.5
-34.55
-34.6
-34.65
-34.7
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 32.96 / 18
p0 1.496 ± 0.00252
p1 -3.078e-14 ± 4.01e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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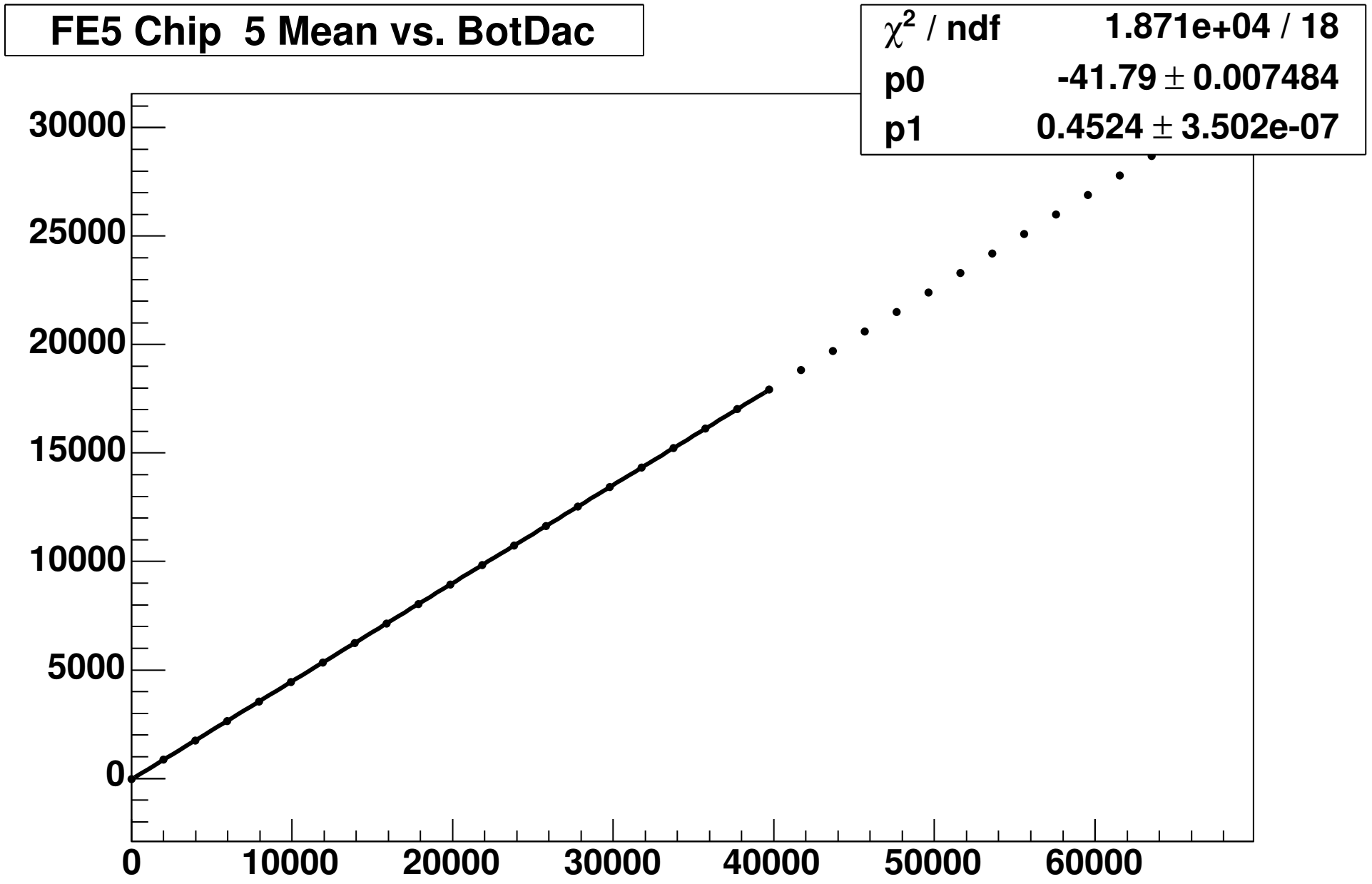
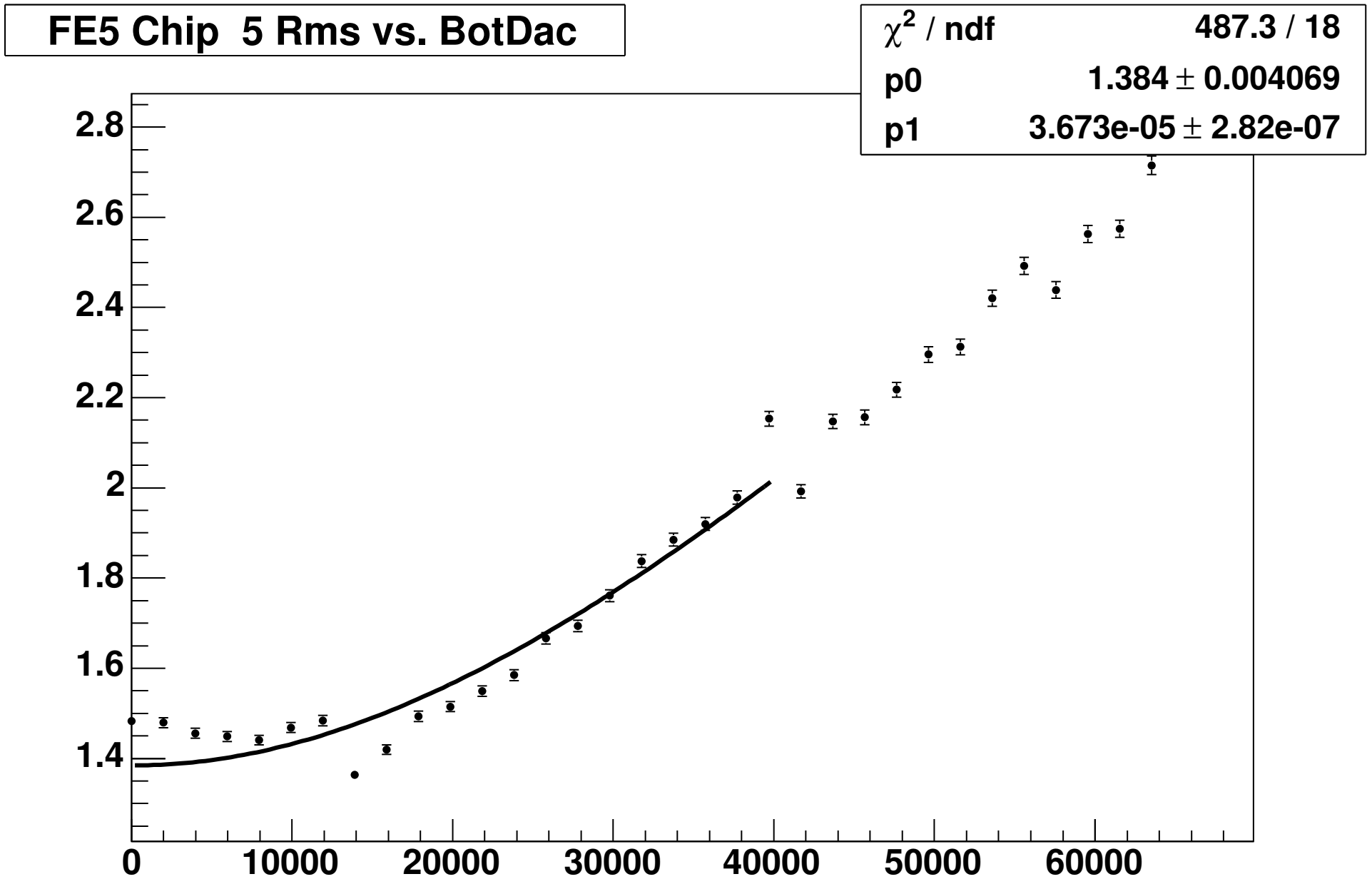
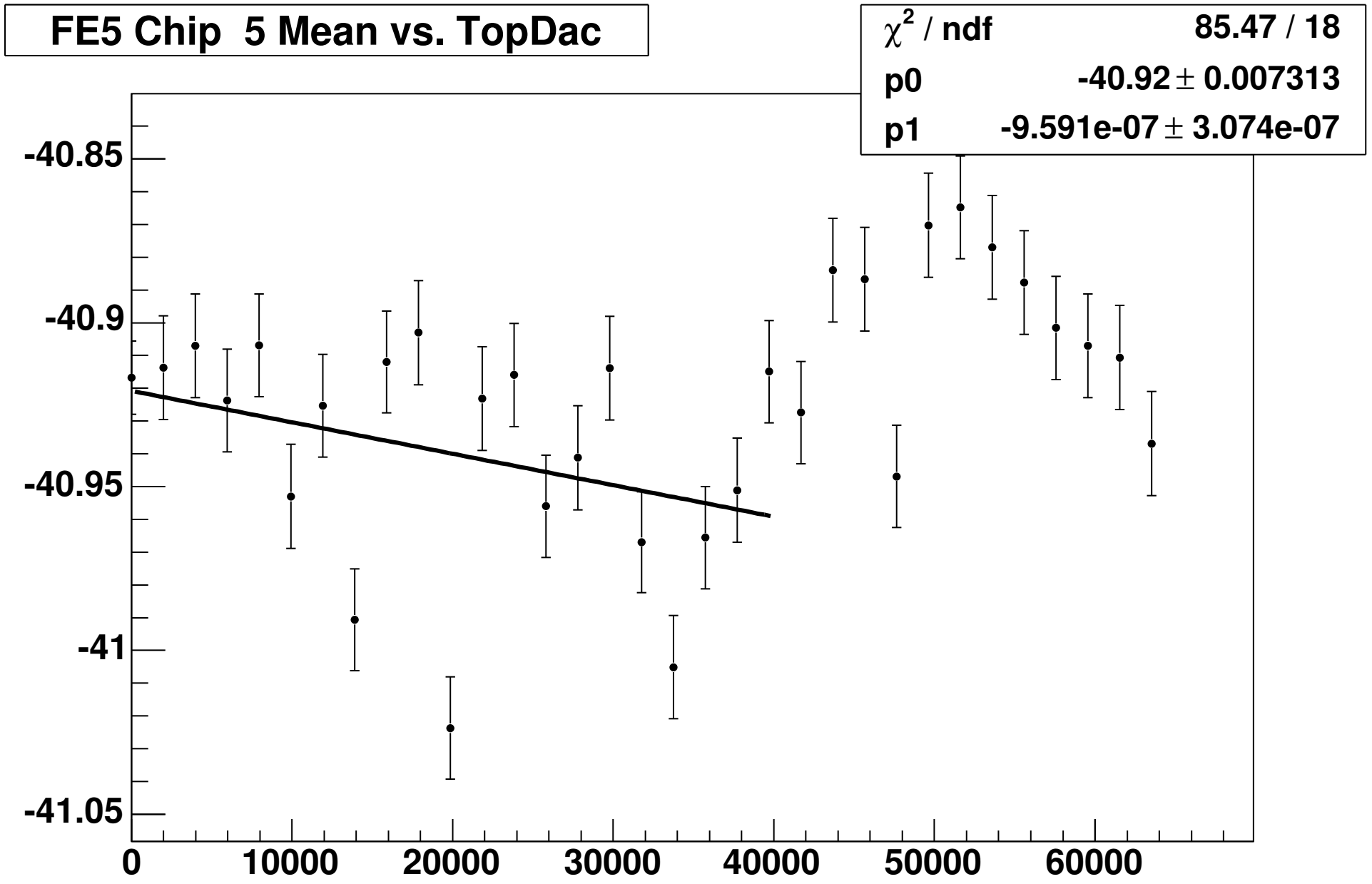
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.871e+04 / 18
p0 -41.79 ± 0.007484
p1 0.4524 ± 3.502e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 487.3 / 18
p0 1.384 ± 0.004069
p1 3.673e-05 ± 2.82e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 85.47 / 18
p0 -40.92 ± 0.007313
p1 -9.591e-07 ± 3.074e-07
-40.85
-40.9
-40.95
-41
-41.05
0
10000
20000
30000
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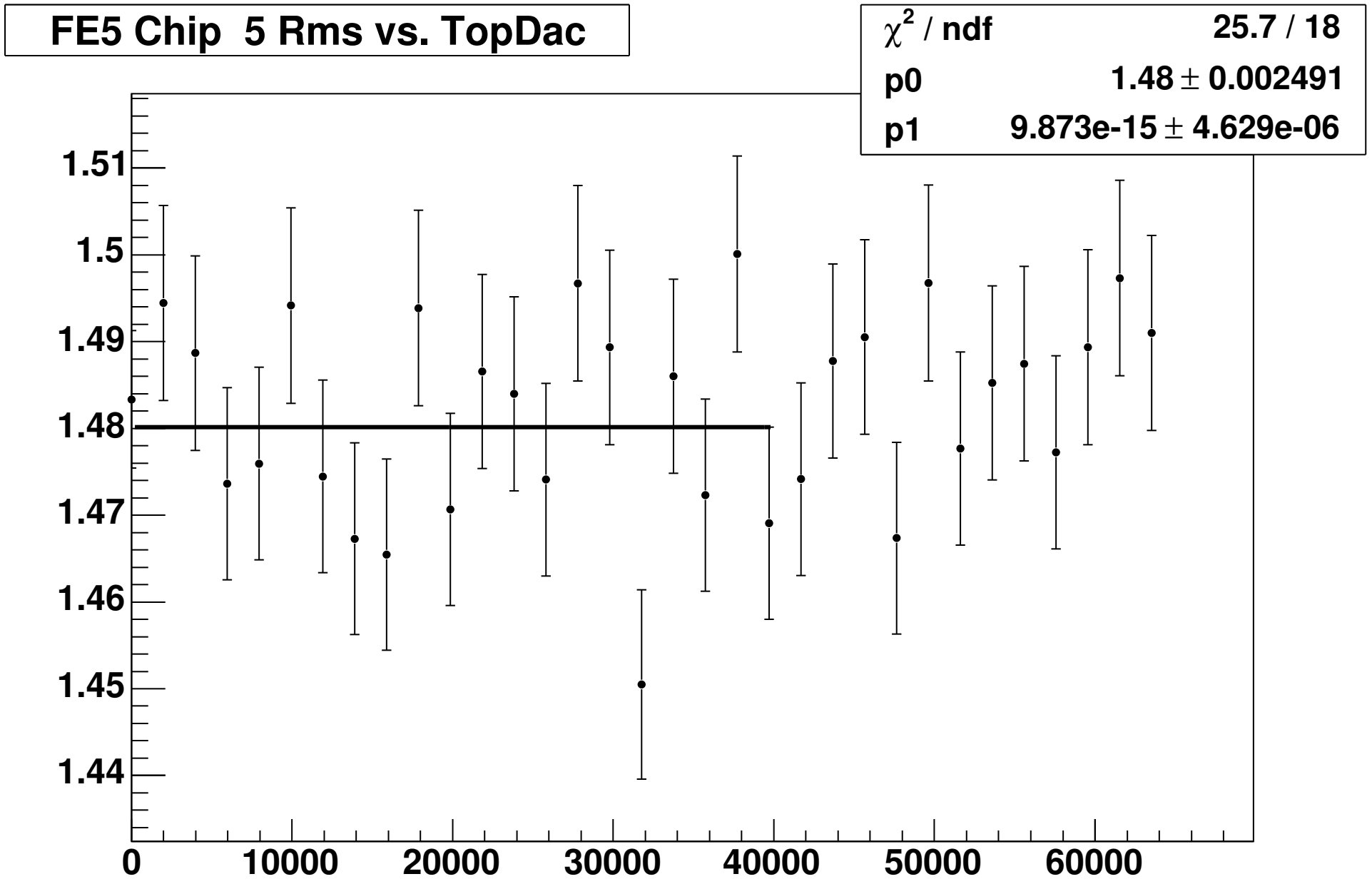
50000
60000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 25.7 / 18
p0 1.48 ± 0.002491
p1 9.873e-15 ± 4.629e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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50000
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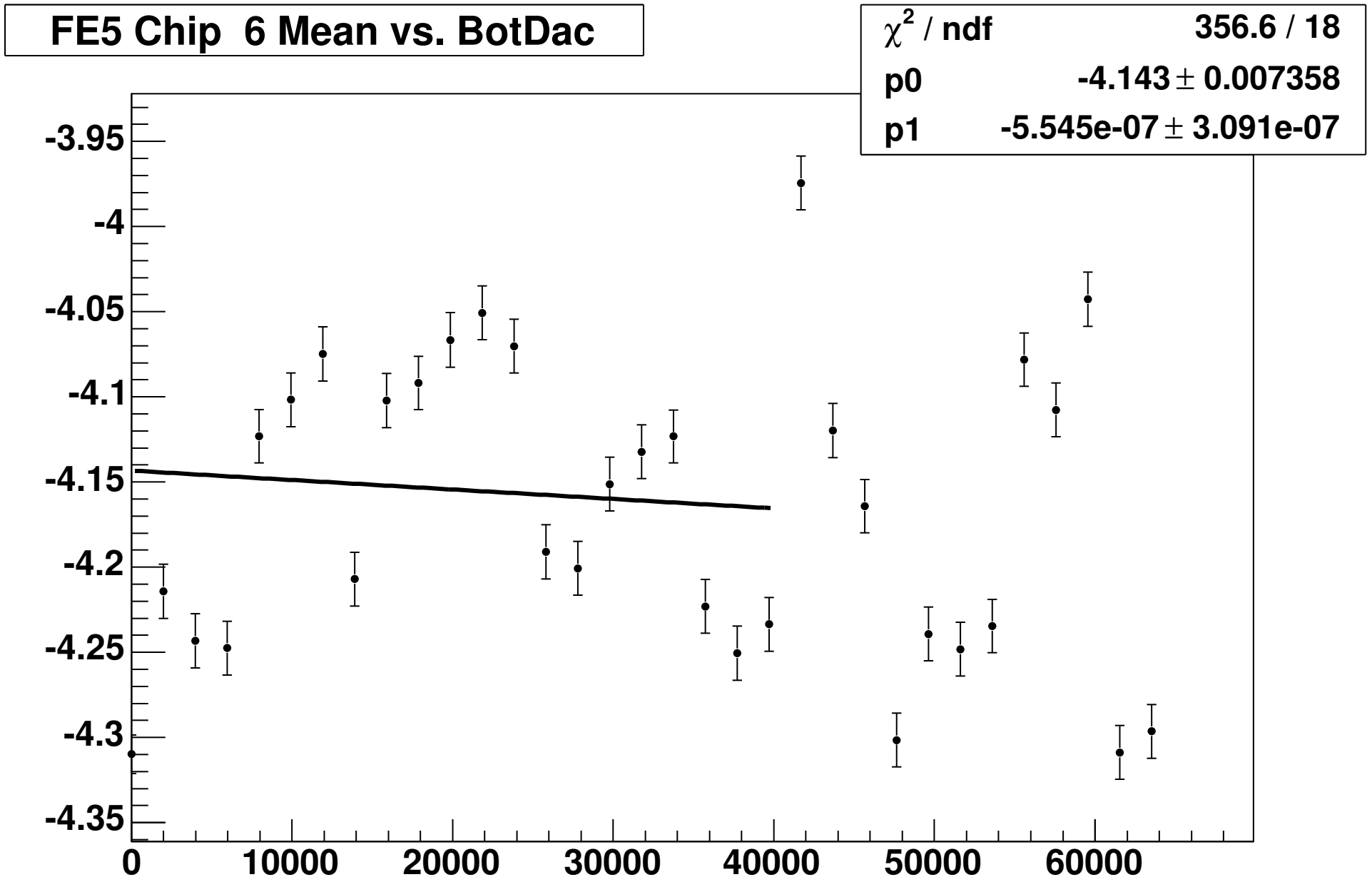
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 356.6 / 18
p0 -4.143 ± 0.007358
p1 -5.545e-07 ± 3.091e-07
-3.95
-4
-4.05
-4.1
-4.15
-4.2
-4.25
-4.3
-4.35
0
10000
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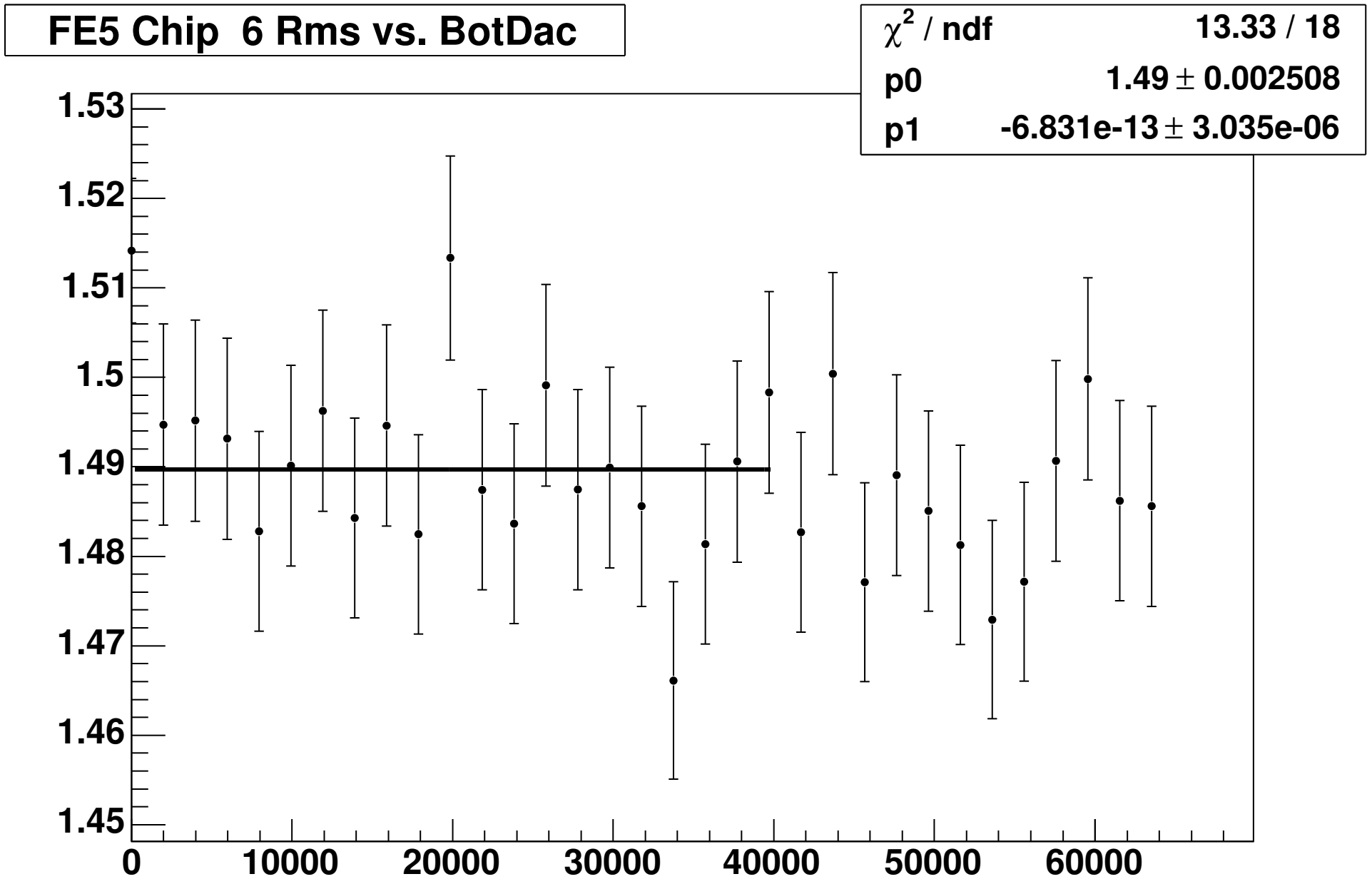
50000
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 13.33 / 18
p0 1.49 ± 0.002508
p1 -6.831e-13 ± 3.035e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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40000
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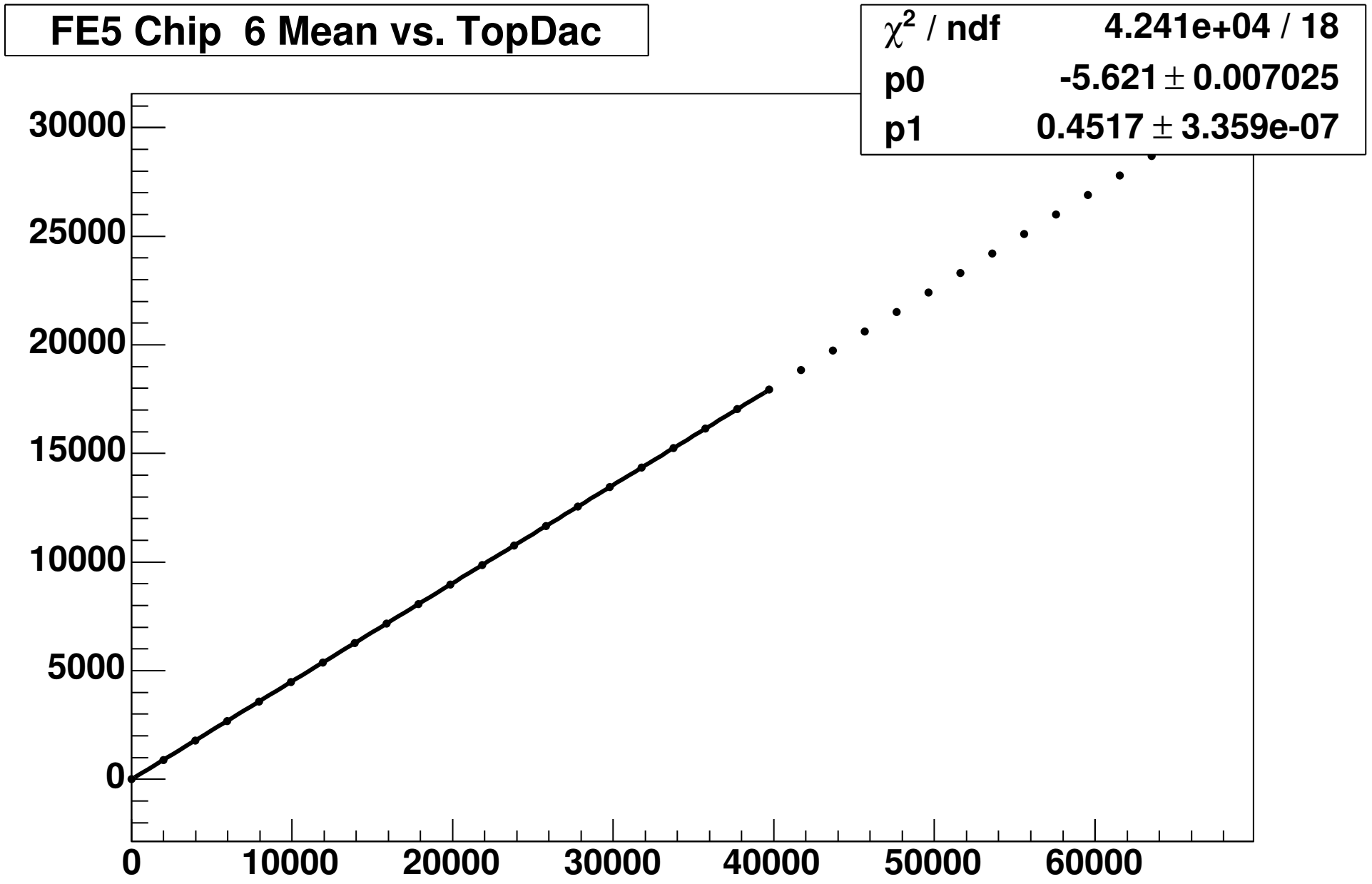
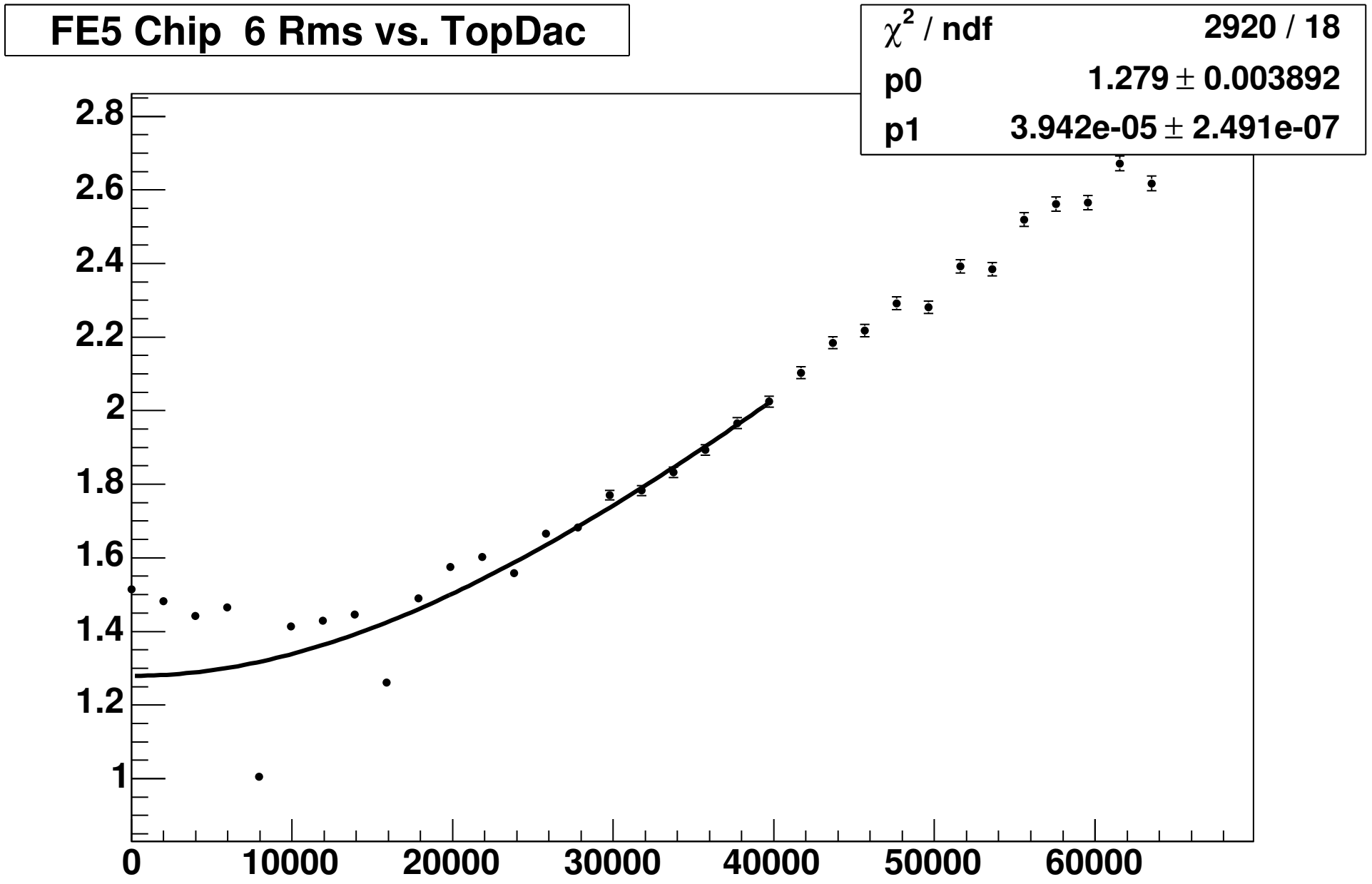
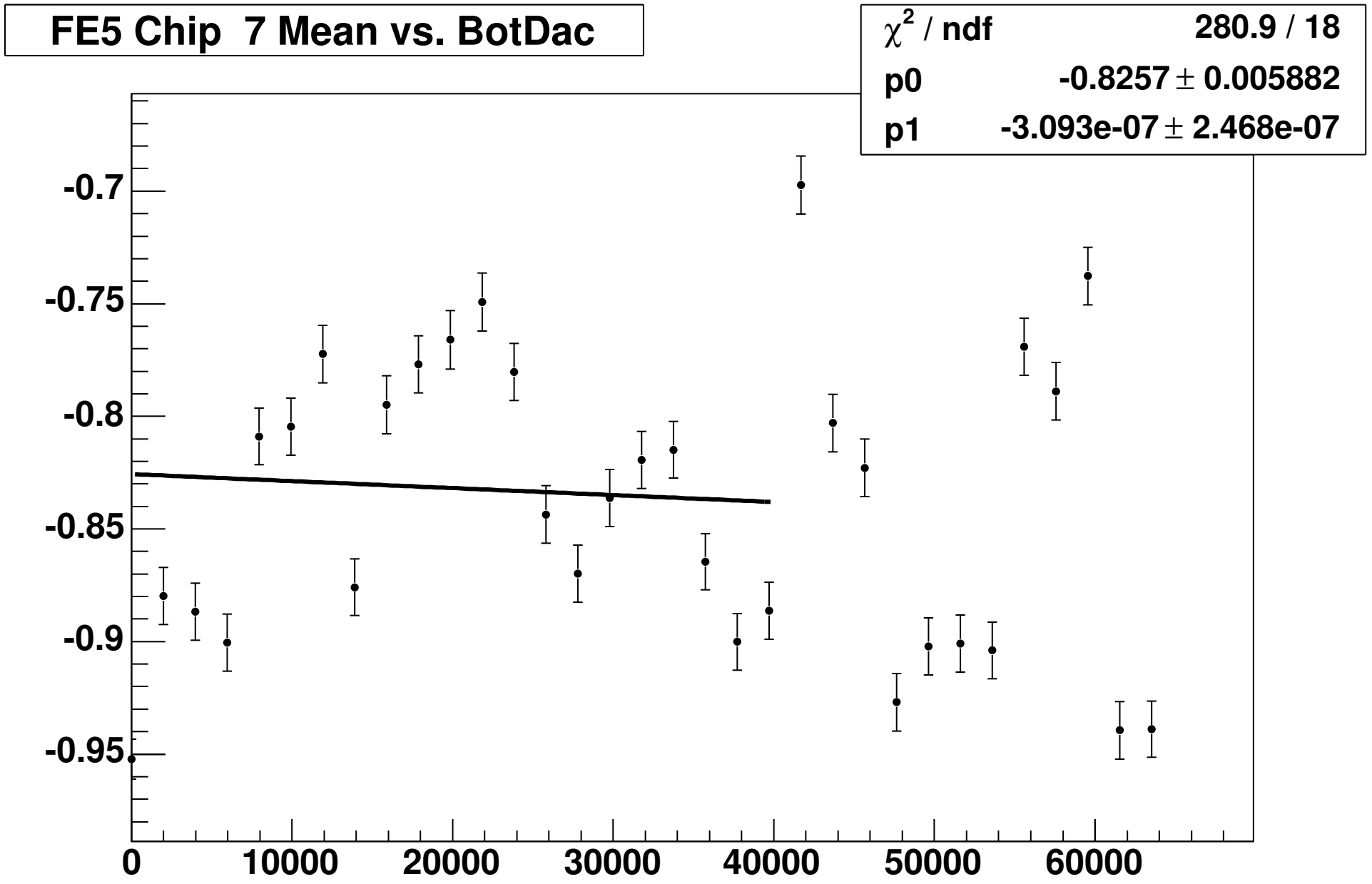

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 4.241e+04 / 18
p0 -5.621 ± 0.007025
p1 0.4517 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 2920 / 18
p0 1.279 ± 0.003892
p1 3.942e-05 ± 2.491e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 280.9 / 18
p0 -0.8257 ± 0.005882
p1 -3.093e-07 ± 2.468e-07
-0.7
-0.75
-0.8
-0.85
-0.9
-0.95
0
10000
20000
30000
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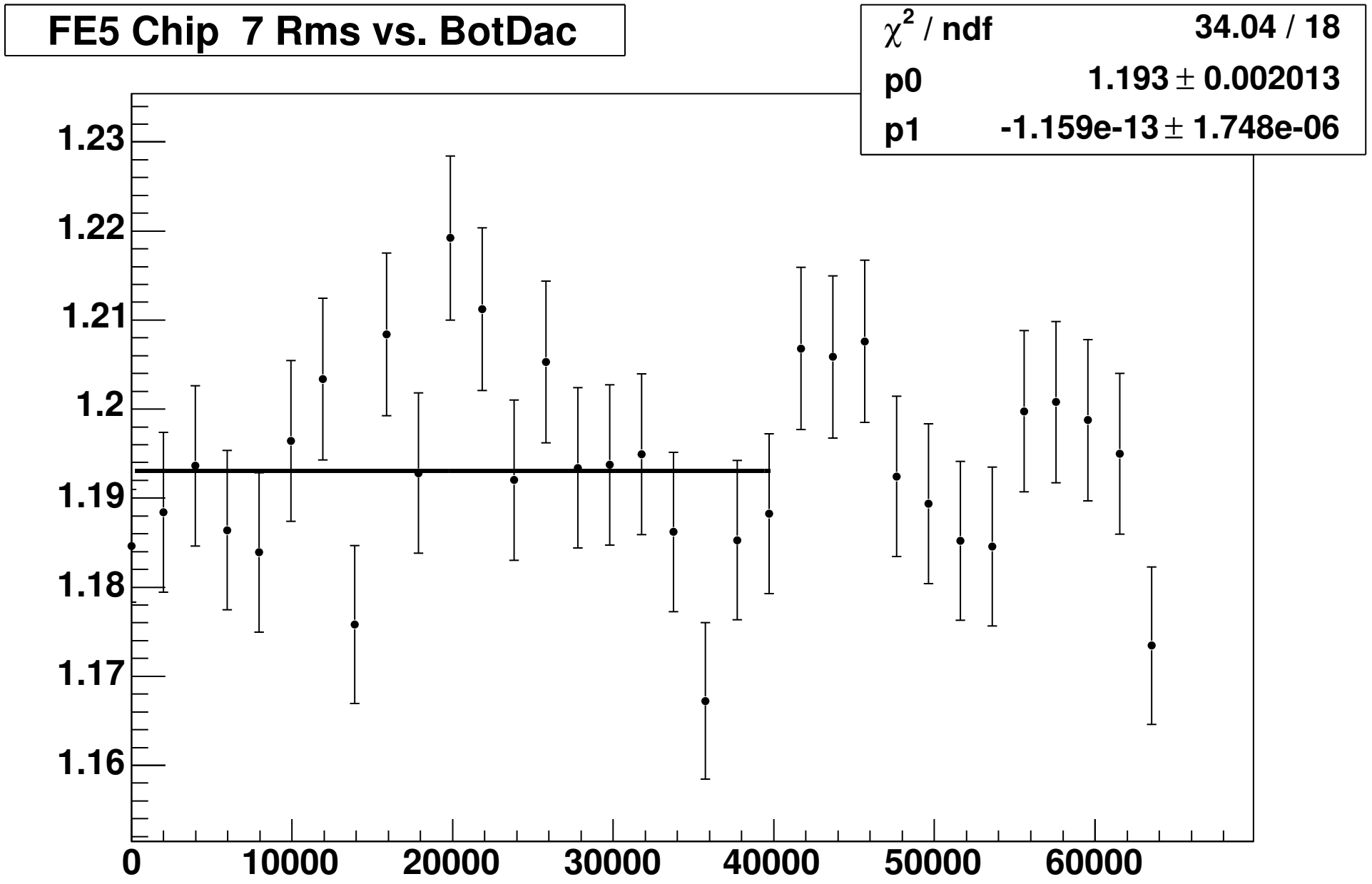
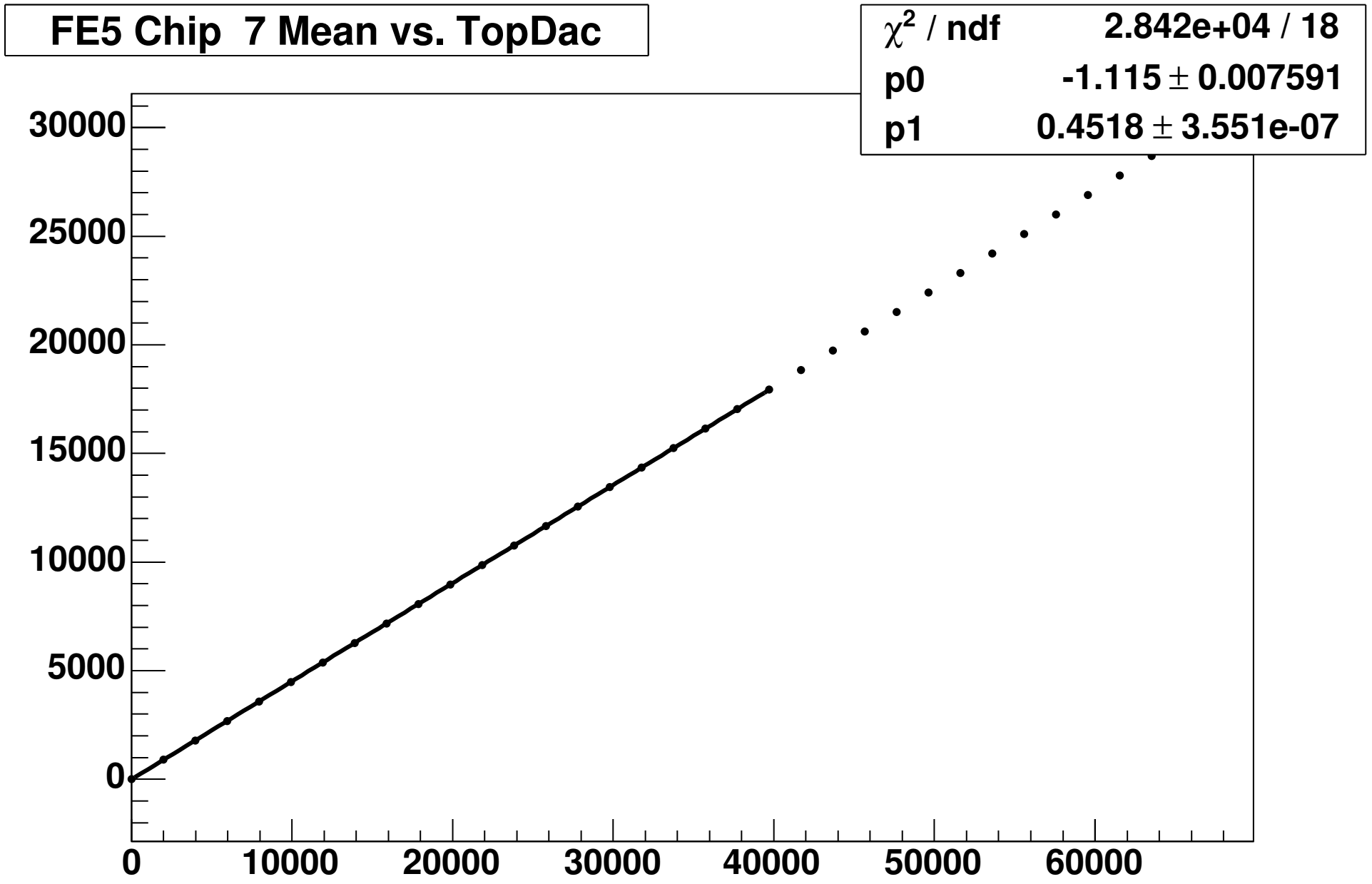
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 34.04 / 18
p0 1.193 ± 0.002013
p1 -1.159e-13 ± 1.748e-06
1.23
1.22
1.21
1.2
1.19
1.18
1.17
1.16
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 2.842e+04 / 18
p0 -1.115 ± 0.007591
p1 0.4518 ± 3.551e-07
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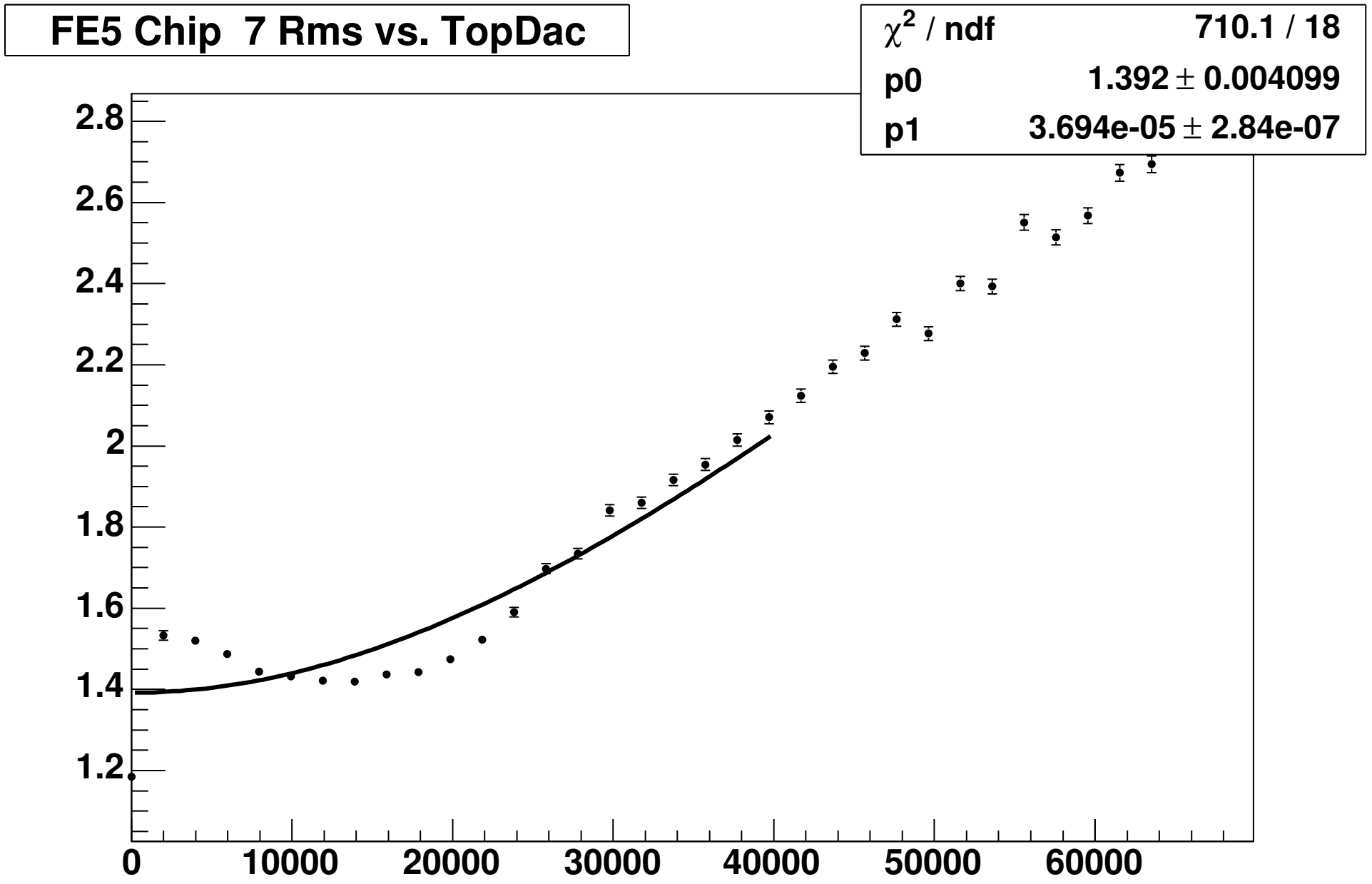
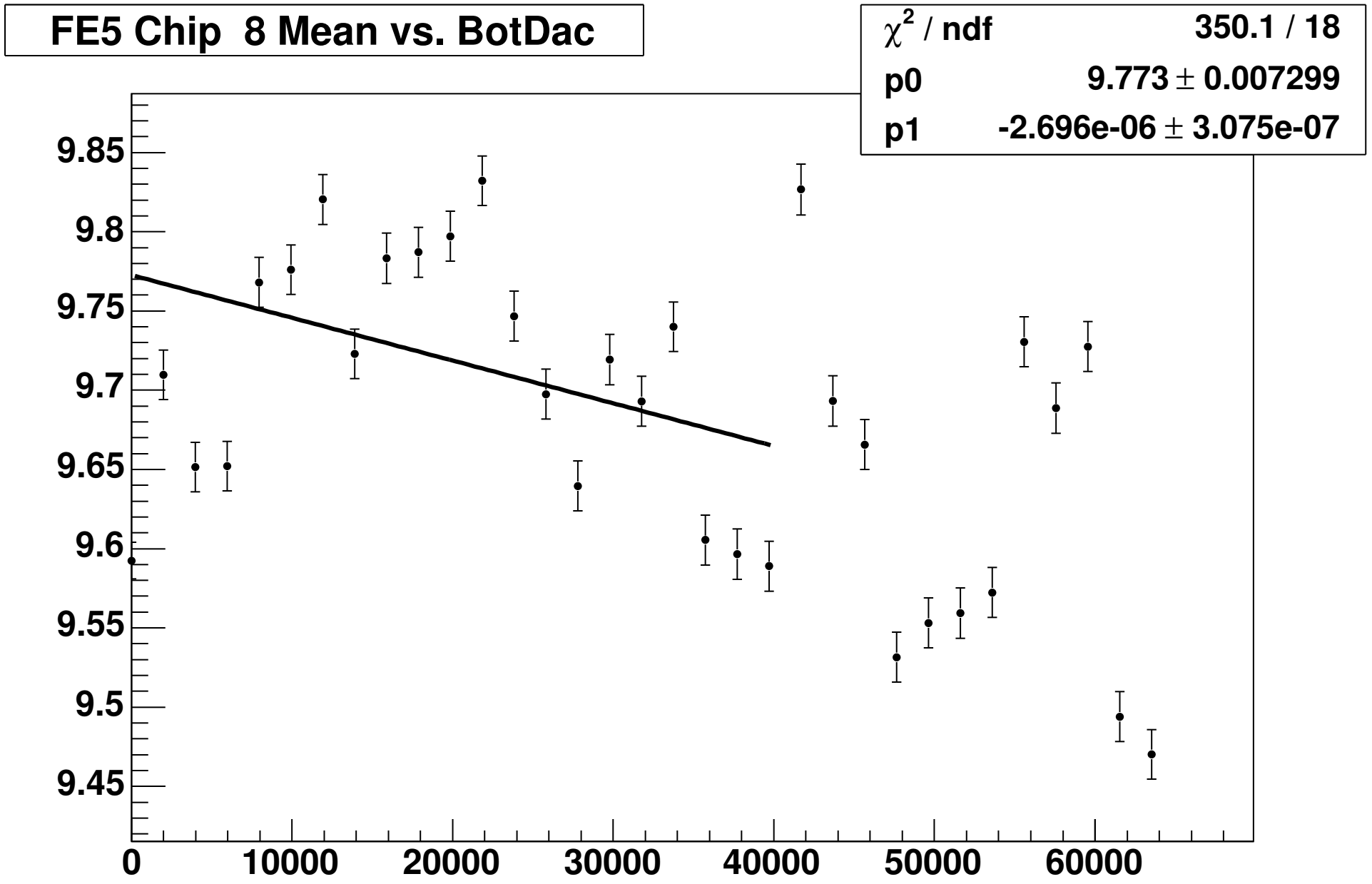
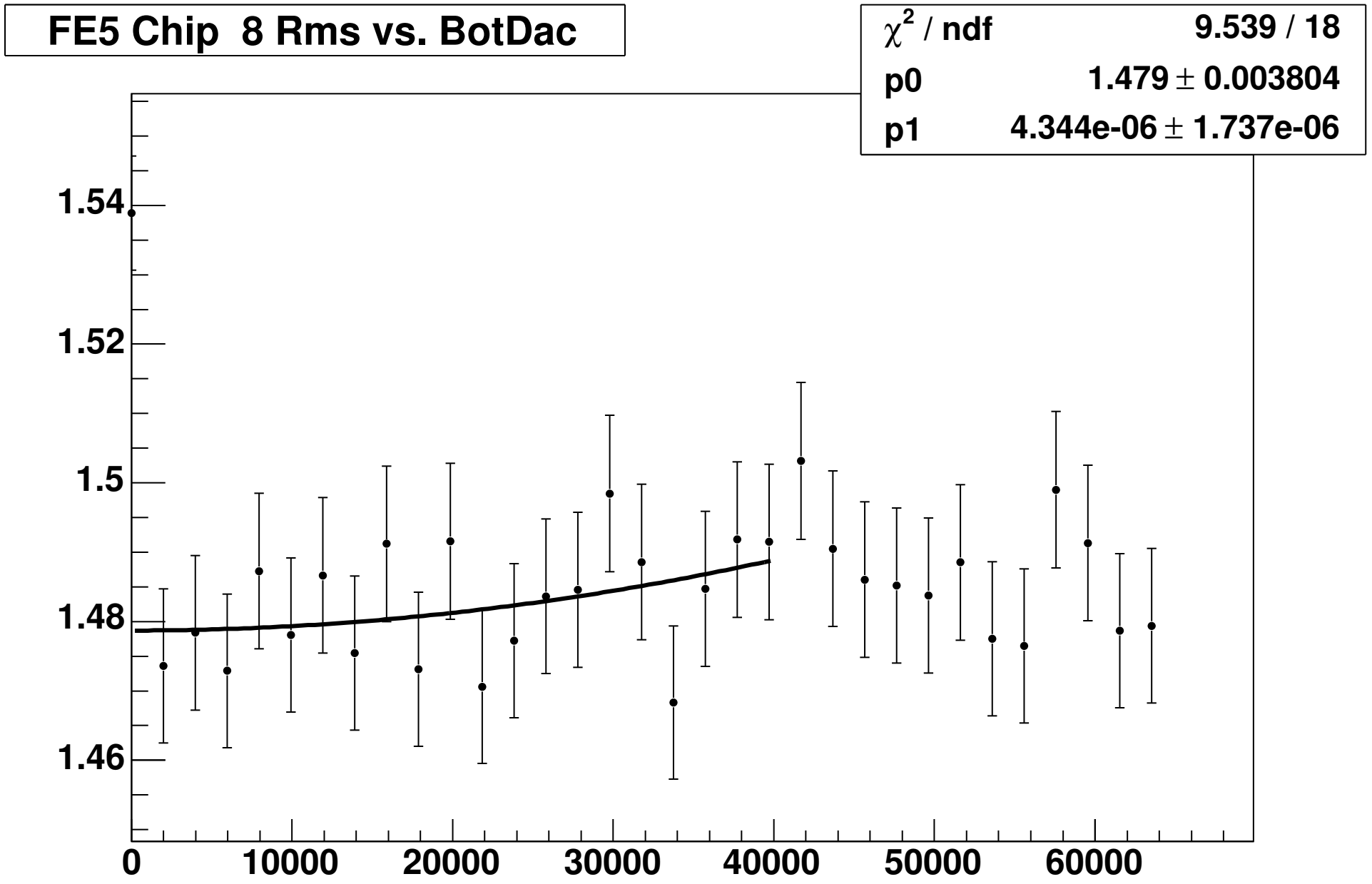
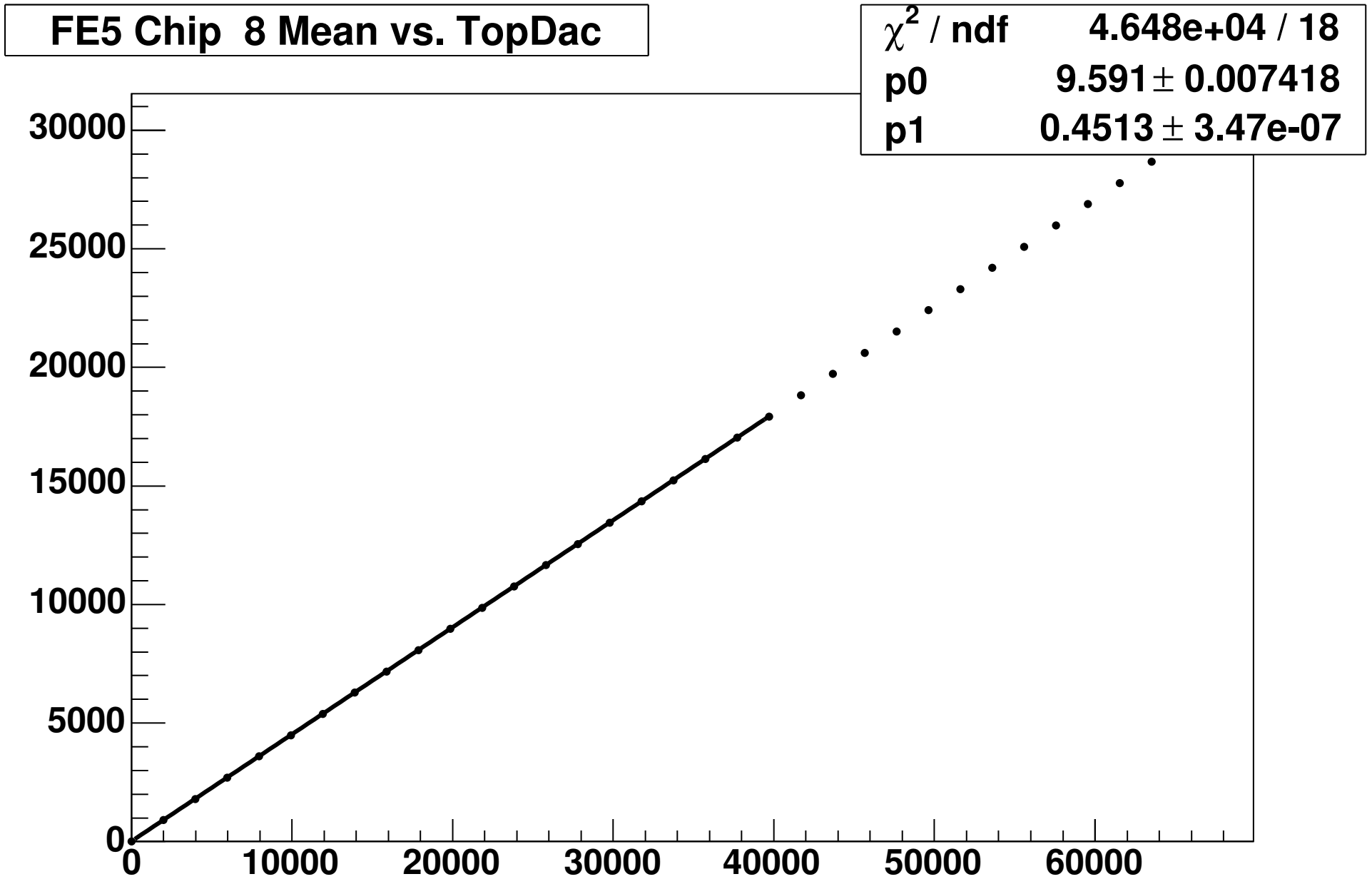
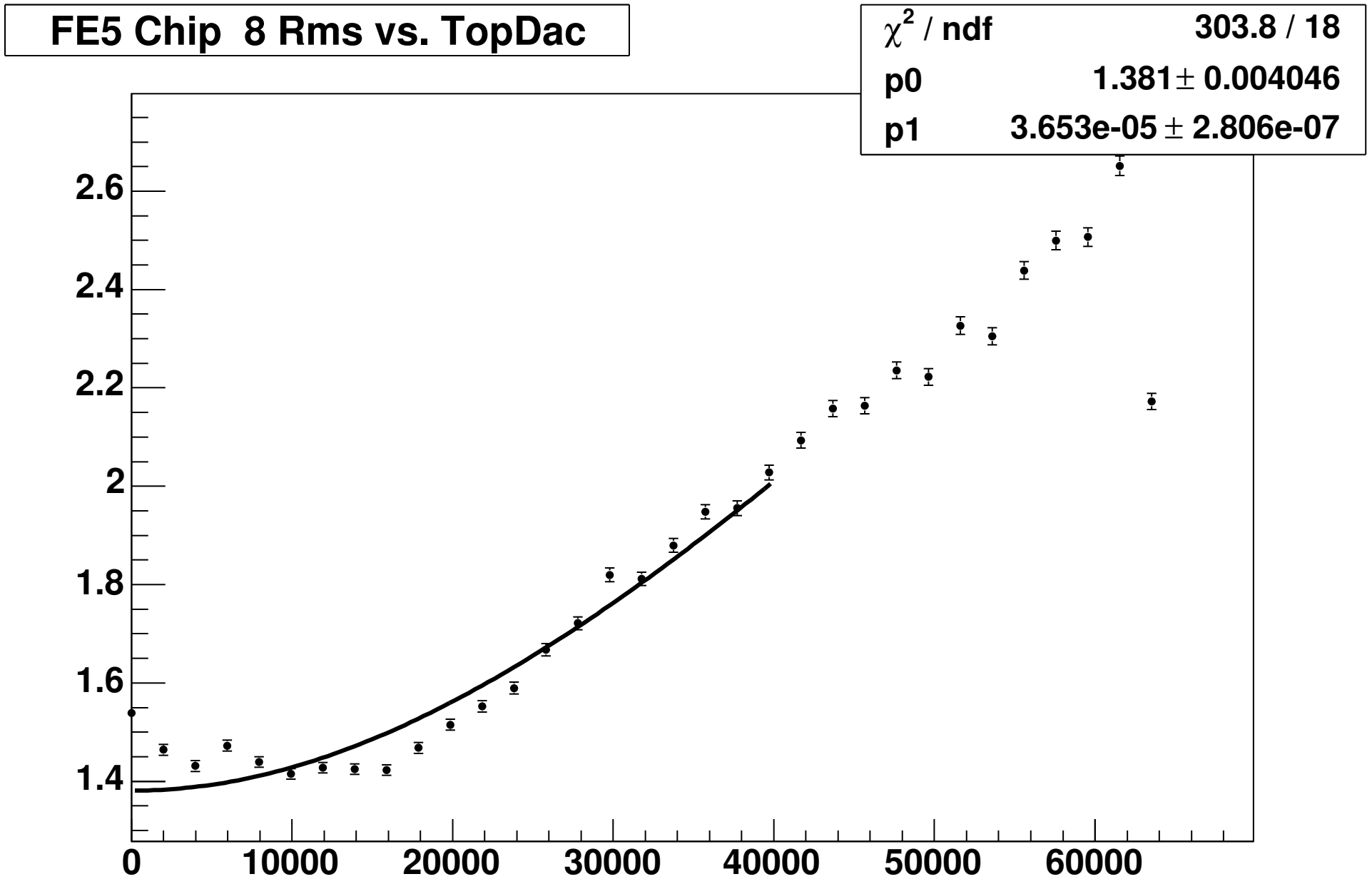
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

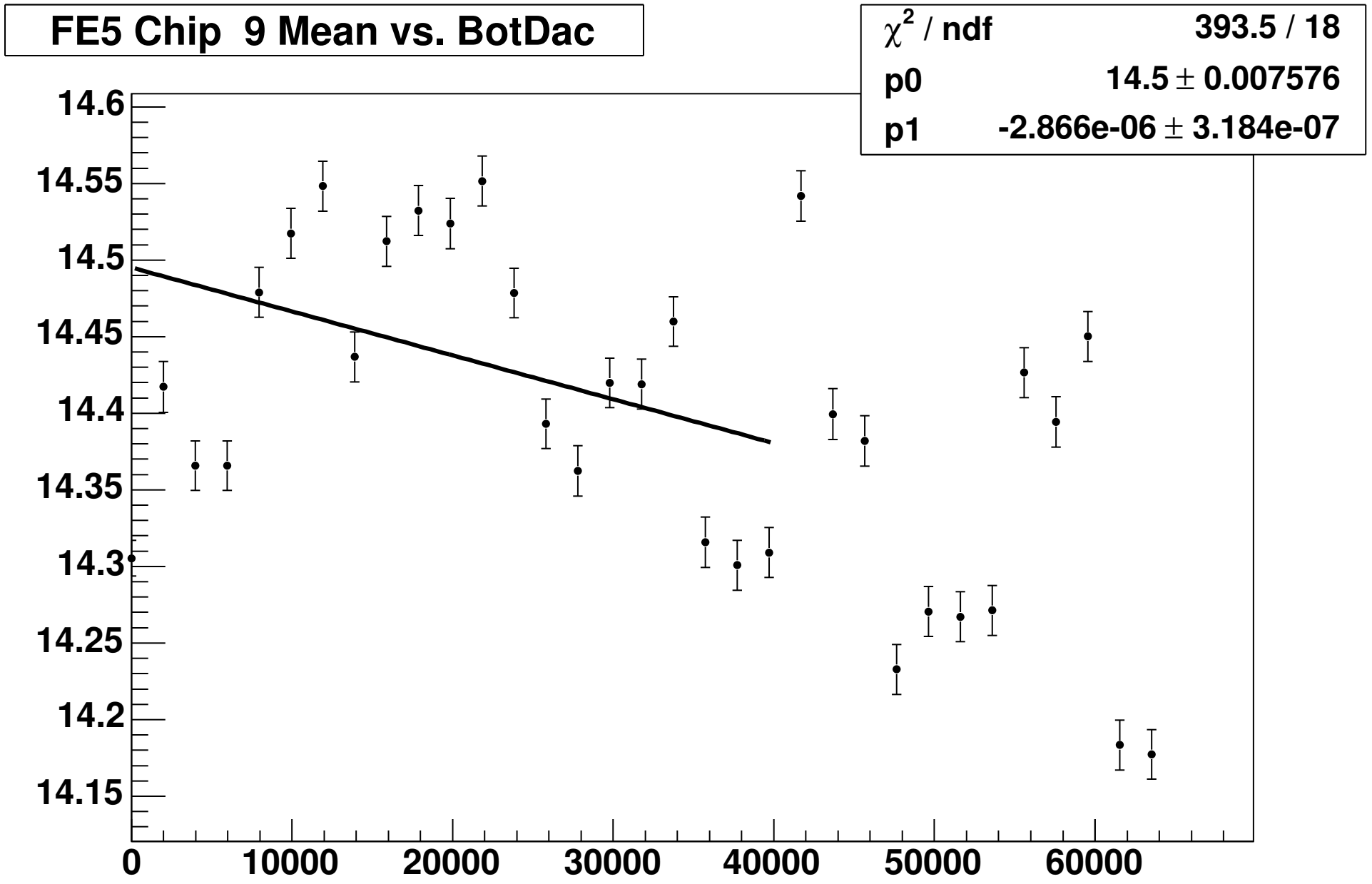

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 710.1 / 18
p0 1.392 ± 0.004099
p1 3.694e-05 ± 2.84e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

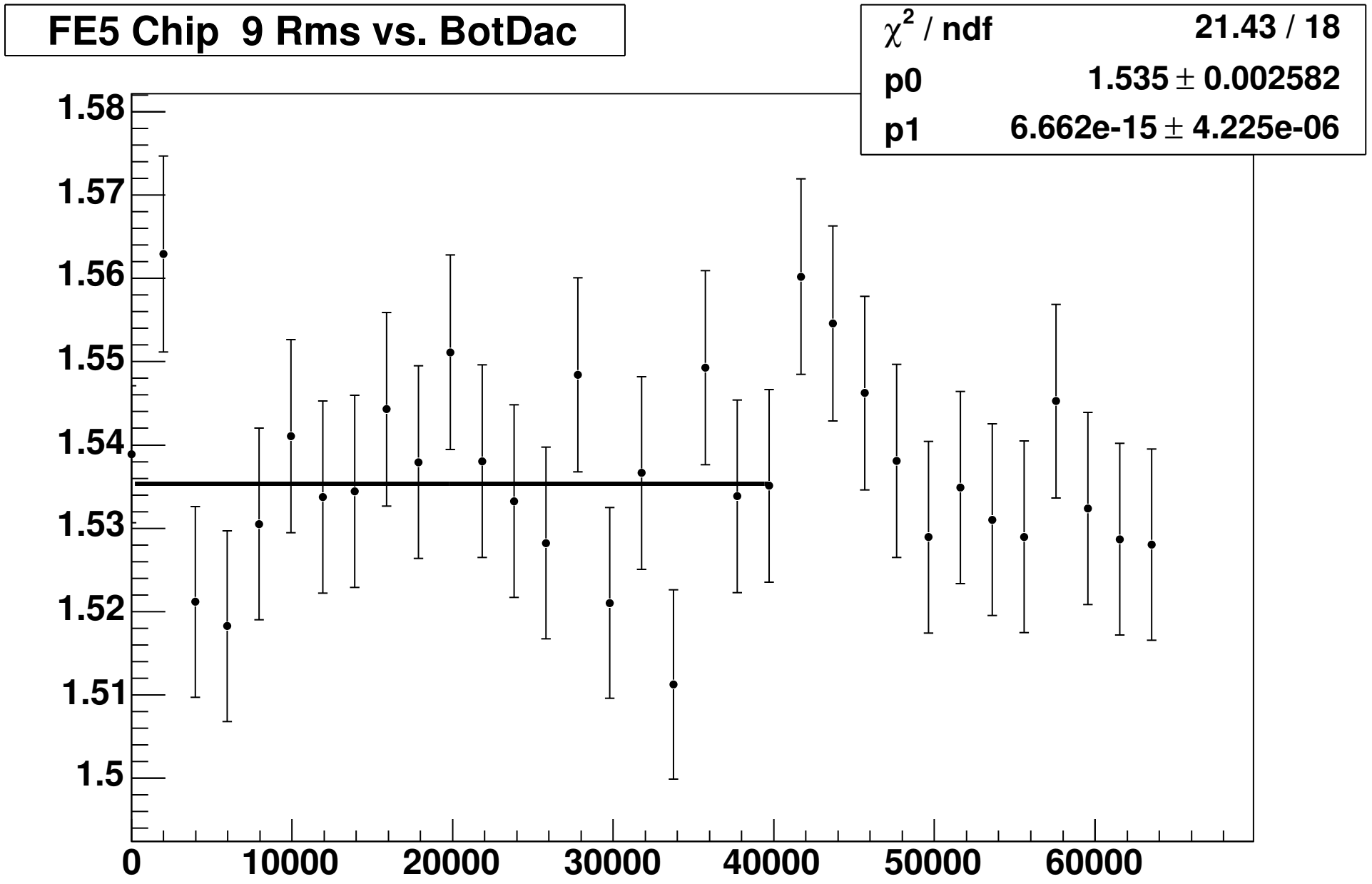

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 350.1 / 18
p0 9.773 ± 0.007299
p1 -2.696e-06 ± 3.075e-07
9.85
9.8
9.75
9.7
9.65
9.6
9.55
9.5
9.45
0
10000
20000
30000
40000
50000
60000

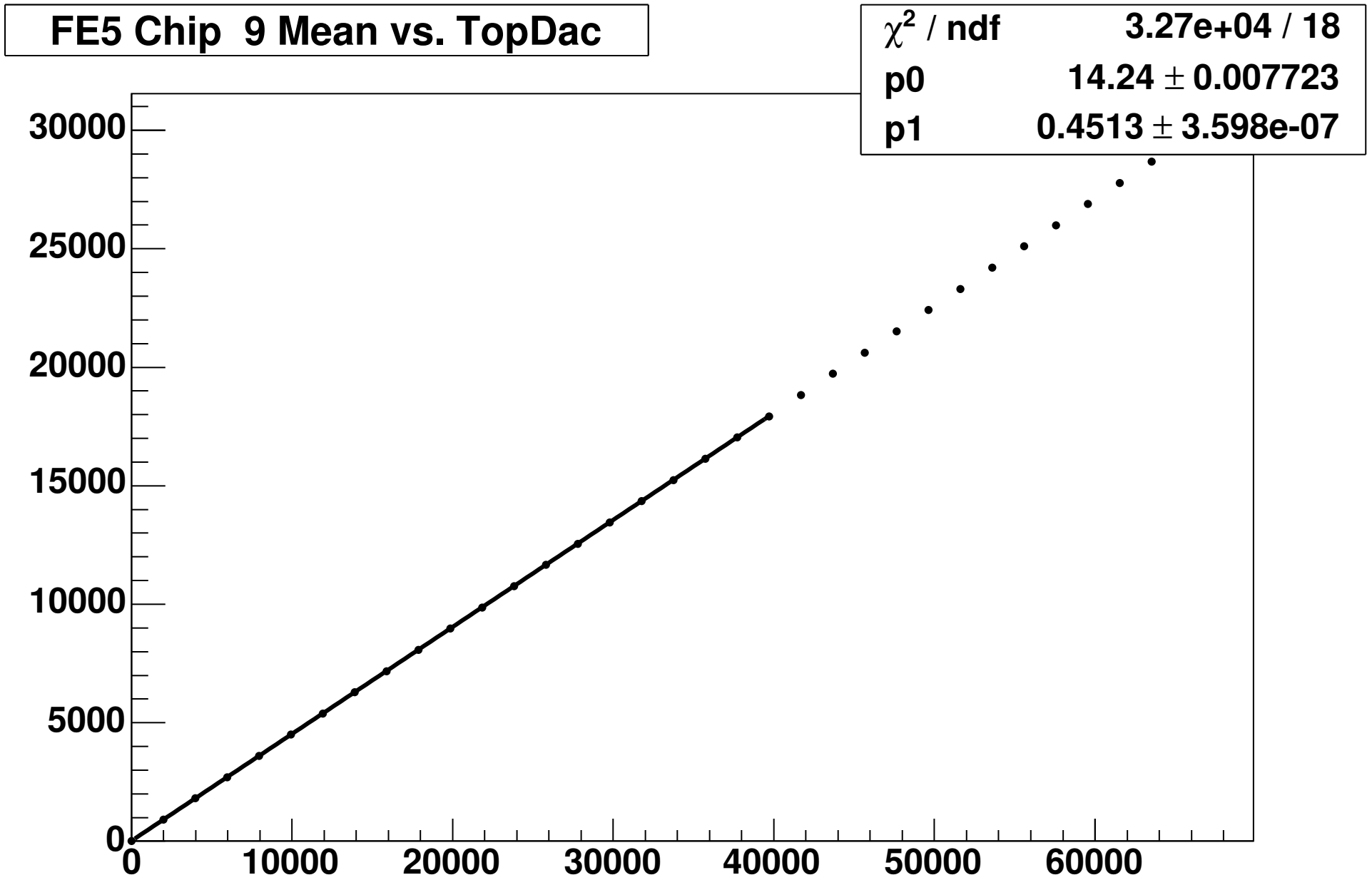

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 9.539 / 18
p0 1.479 ± 0.003804
p1 4.344e-06 ± 1.737e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

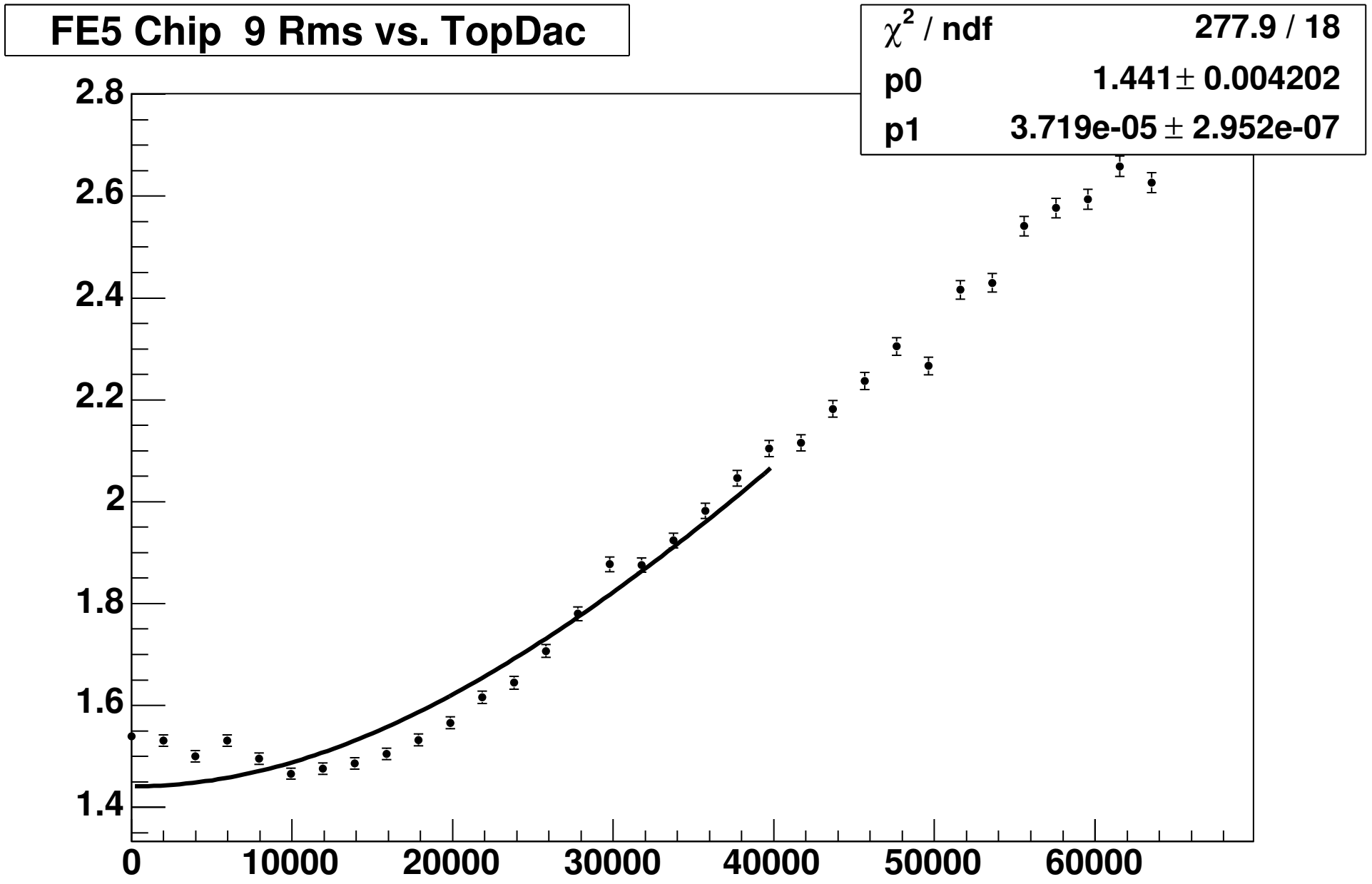

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 4.648e+04 / 18
p0 9.591 ± 0.007418
p1 0.4513 ± 3.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

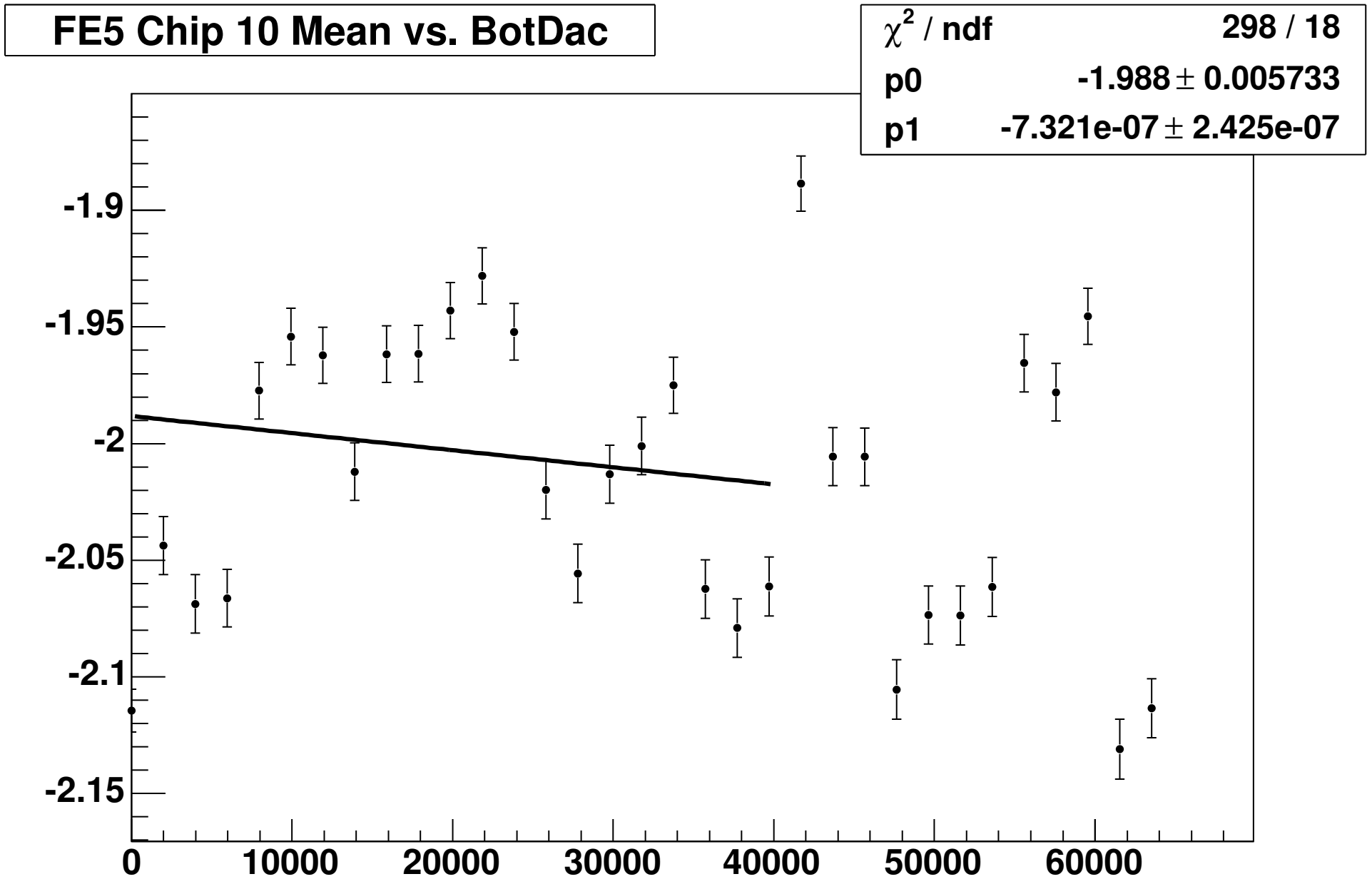

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 303.8 / 18
p0 1.381 ± 0.004046
p1 3.653e-05 ± 2.806e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

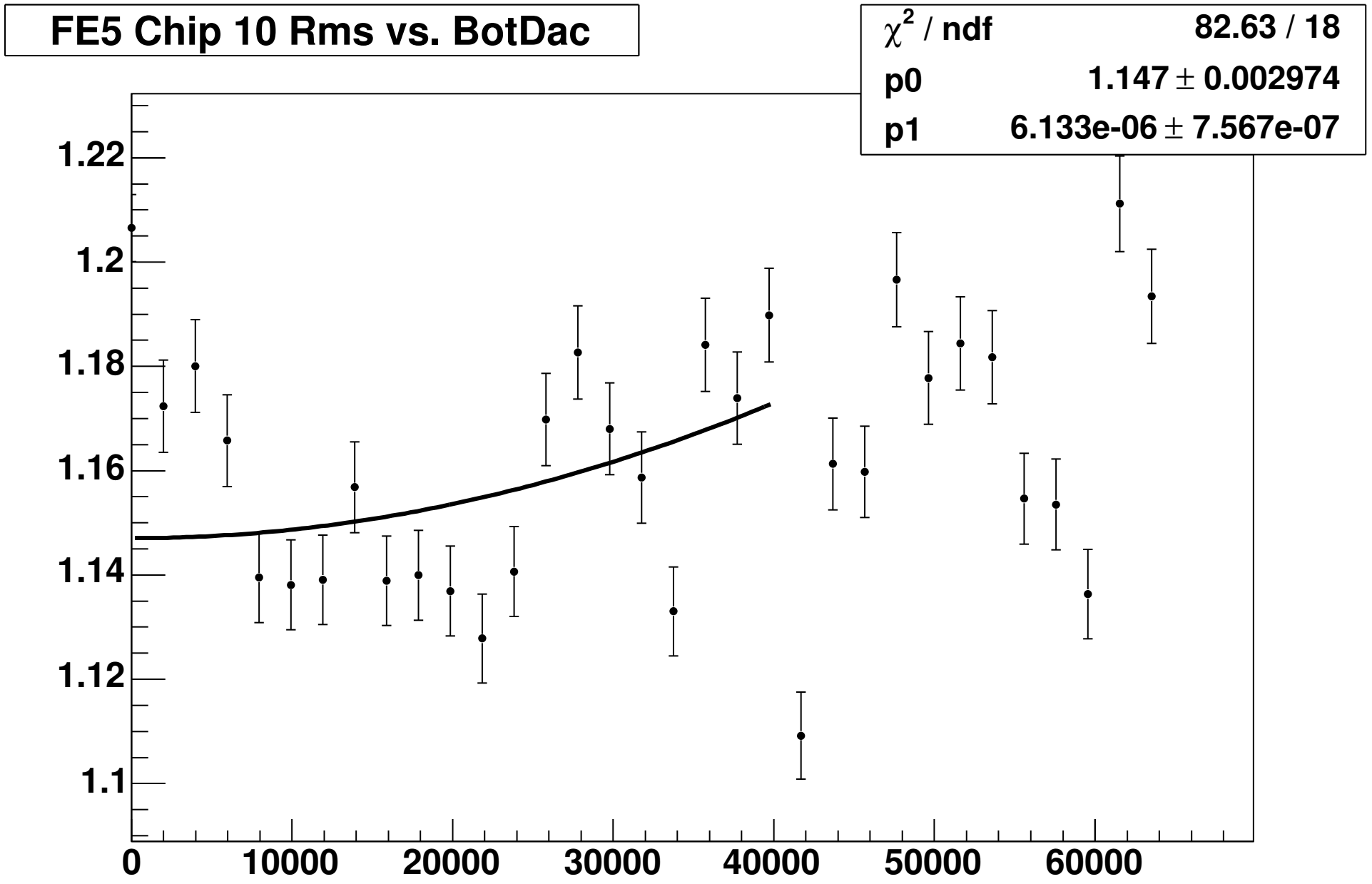

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 393.5 / 18
p0 14.5 ± 0.007576
p1 -2.866e-06 ± 3.184e-07
14.6
14.55
14.5
14.45
14.4
14.35
14.3
14.25
14.2
14.15
0
10000
20000
30000
40000
50000
60000

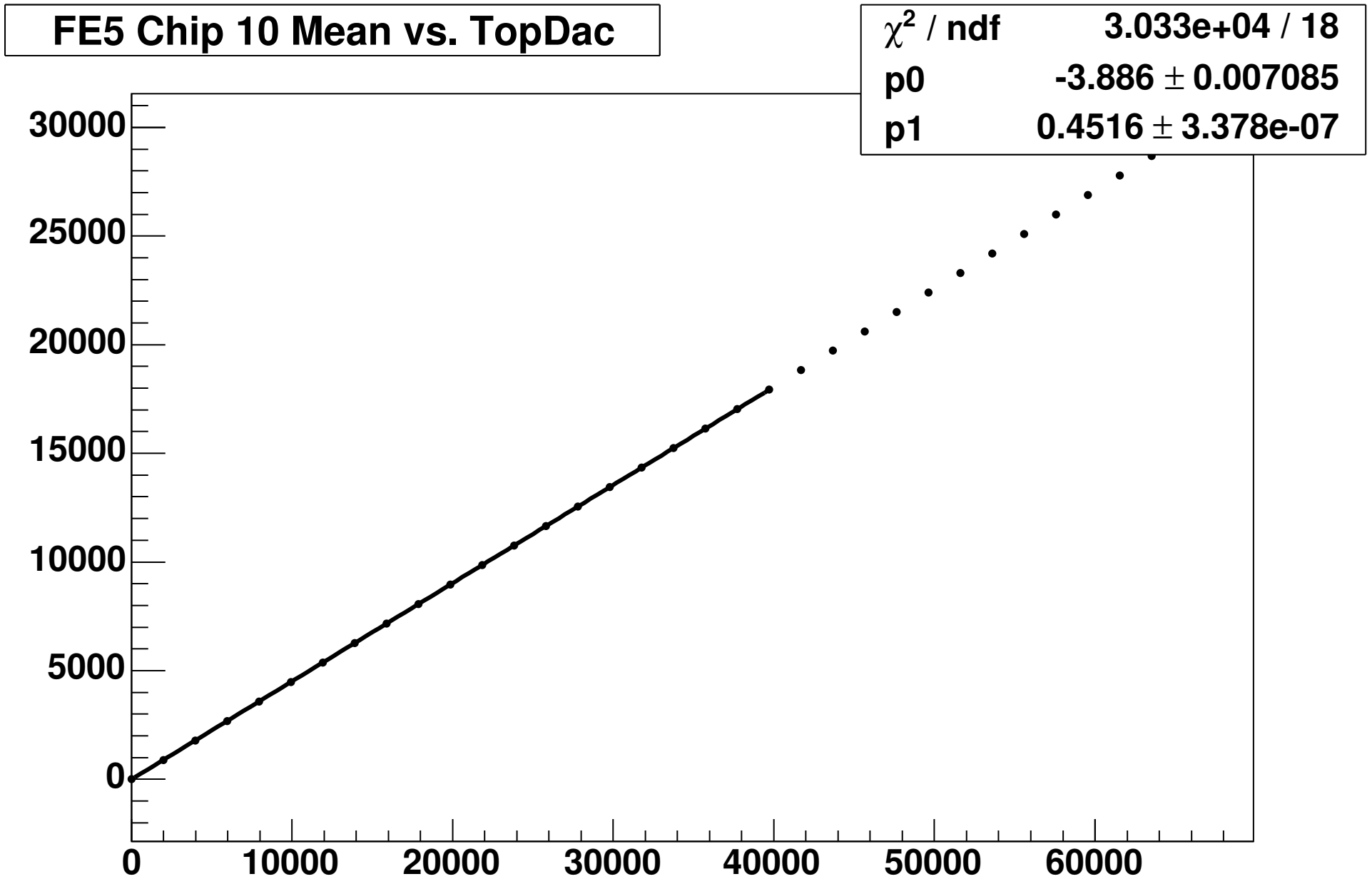

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 21.43 / 18
p0 1.535 ± 0.002582
p1 6.662e-15 ± 4.225e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

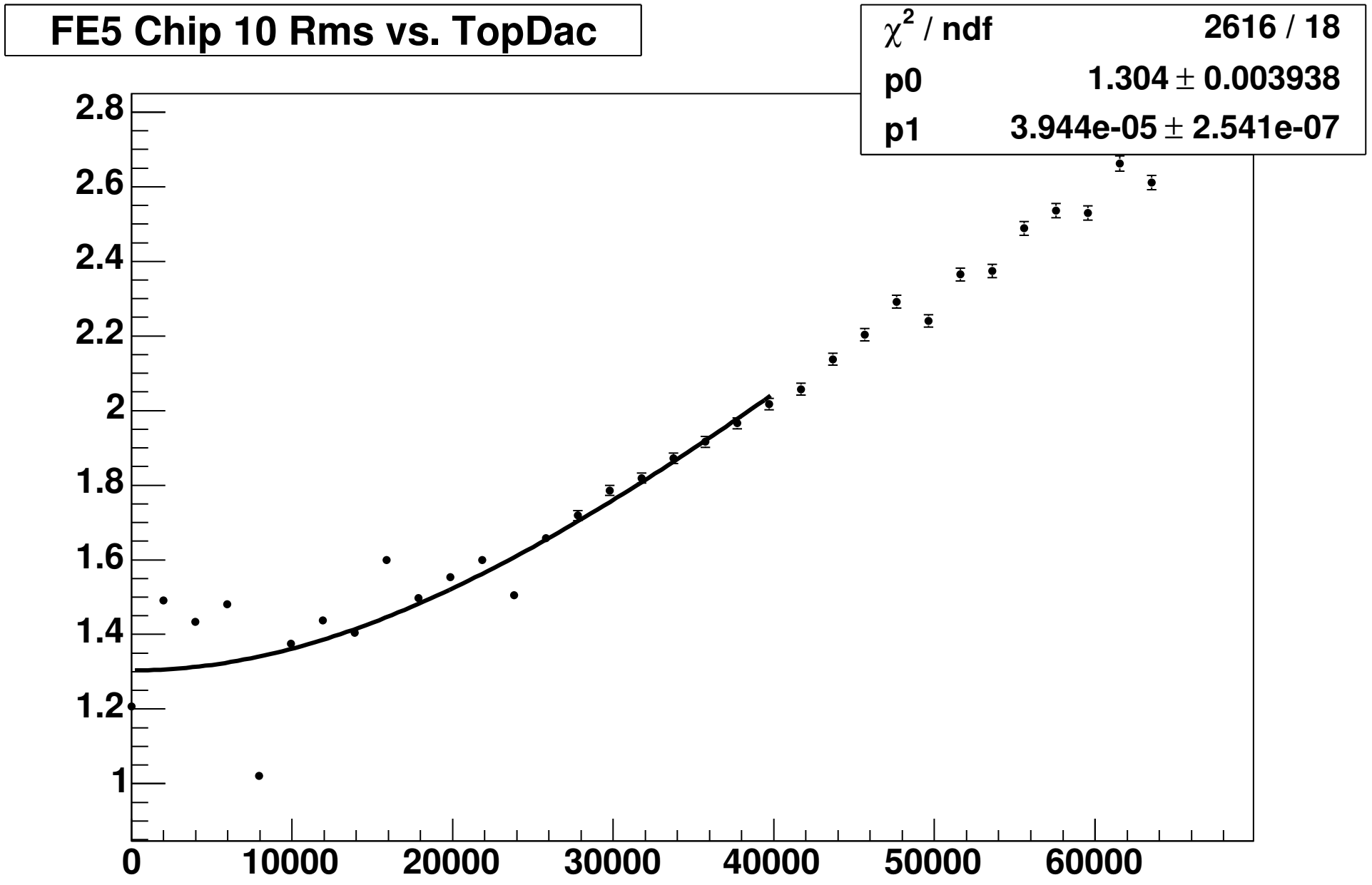

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 3.27e+04 / 18
p0 14.24 ± 0.007723
p1 0.4513 ± 3.598e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

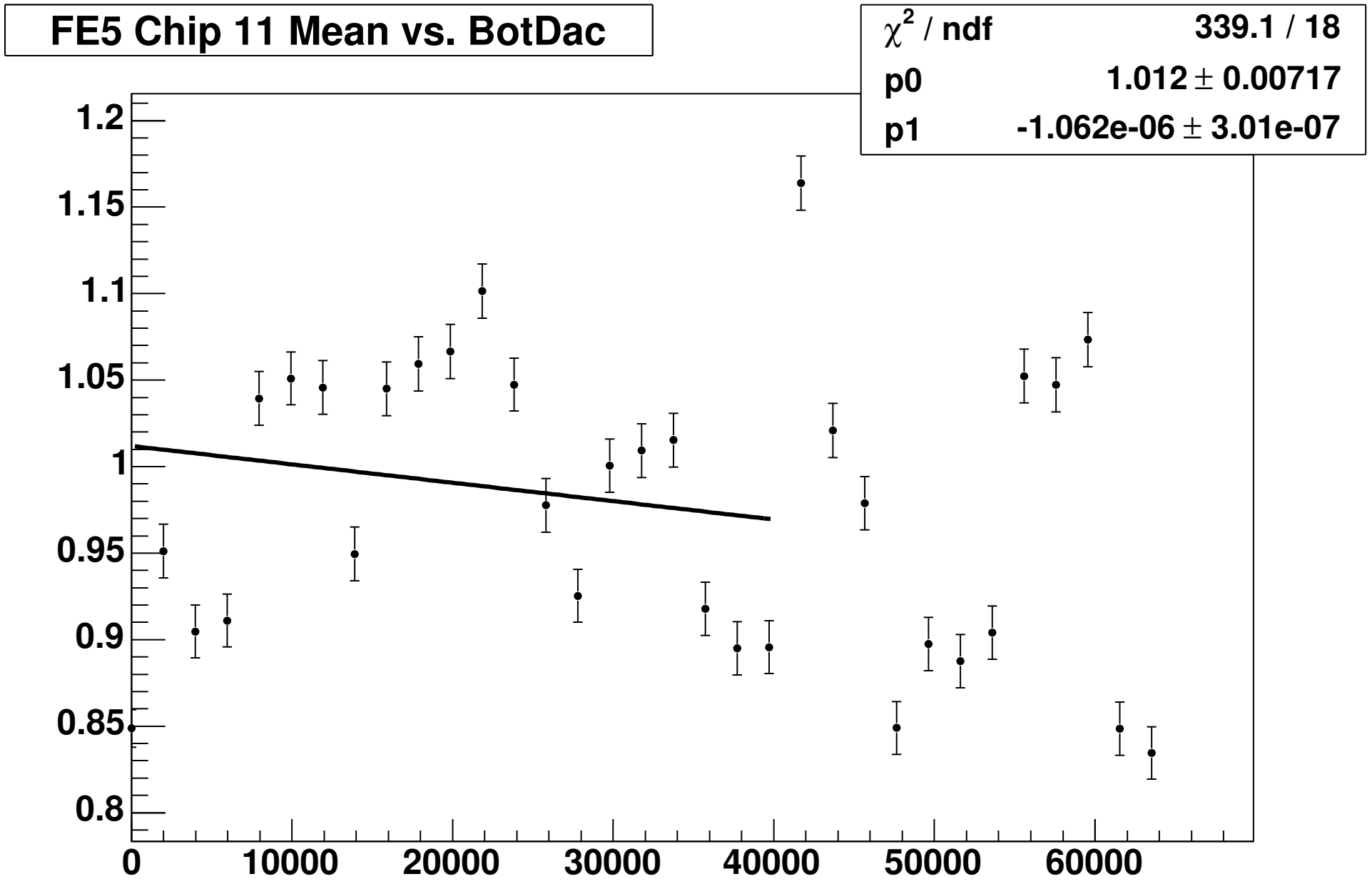

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 277.9 / 18
p0 1.441 ± 0.004202
p1 3.719e-05 ± 2.952e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

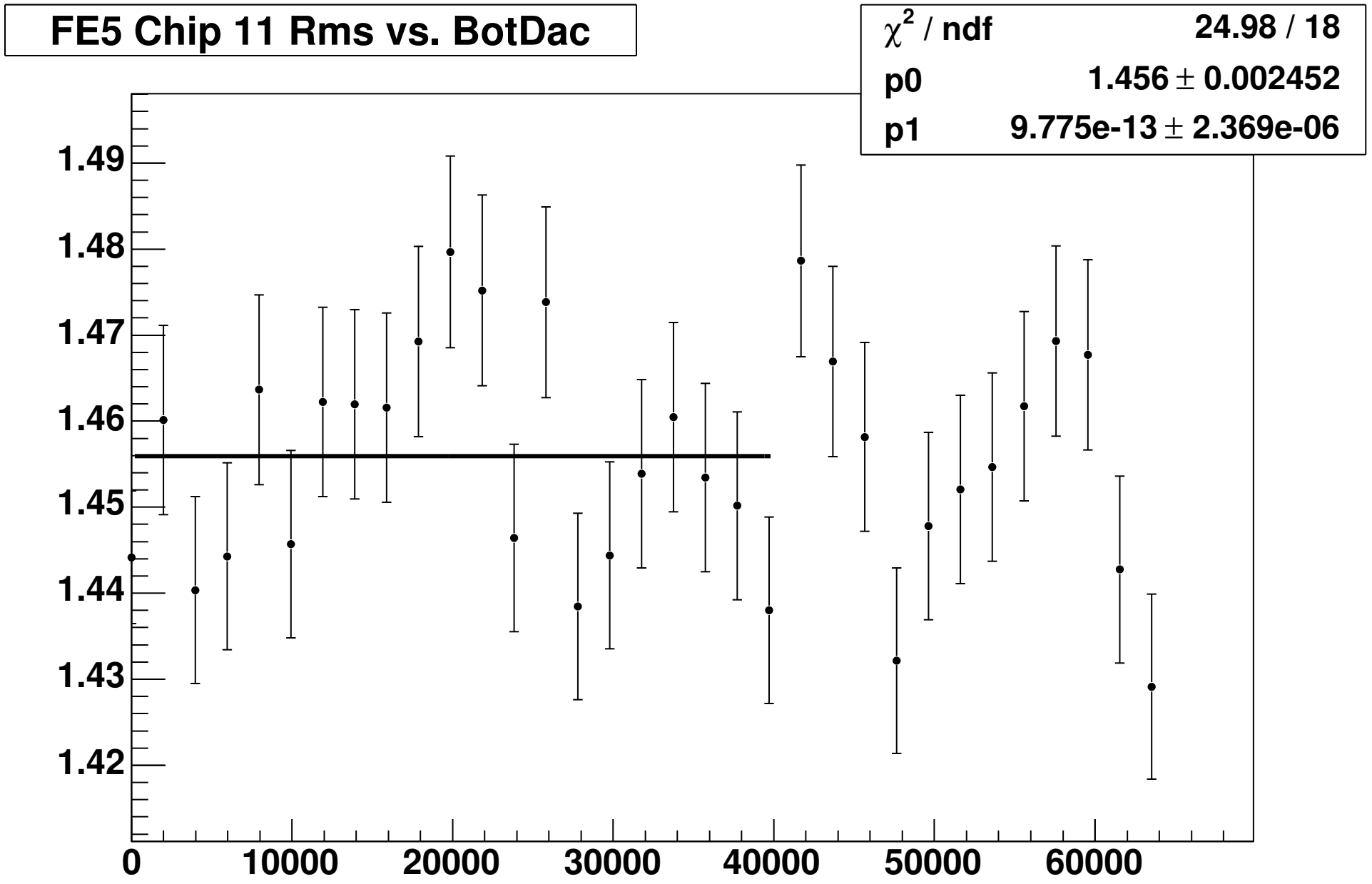

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 298 / 18
p0 -1.988 ± 0.005733
p1 -7.321e-07 ± 2.425e-07
-1.9
-1.95
-2
-2.05
-2.1
-2.15
0
10000
20000
30000
40000
50000
60000

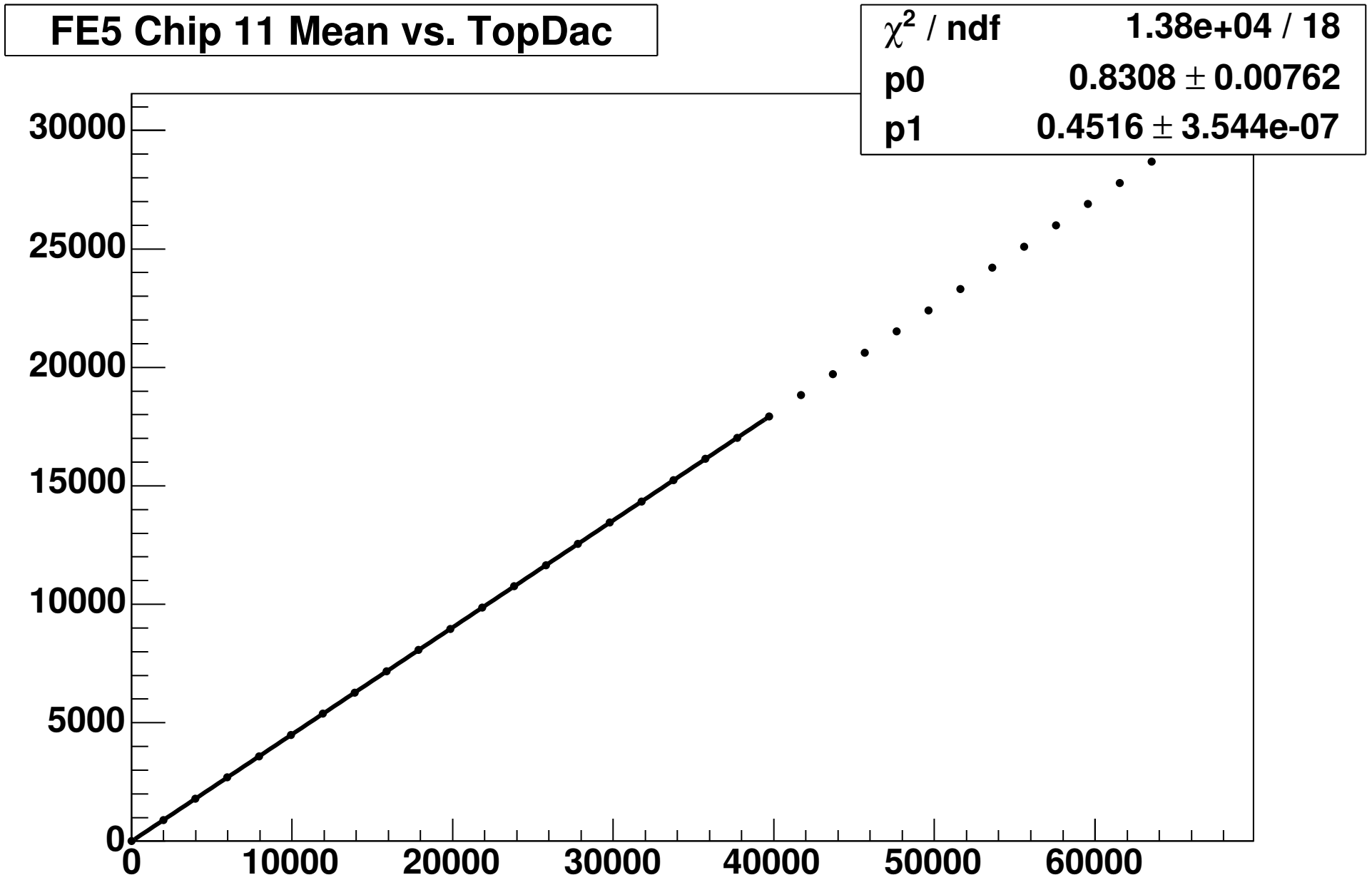

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 82.63 / 18
p0 1.147 ± 0.002974
p1 6.133e-06 ± 7.567e-07
1.22
1.2
1.18
1.16
1.14
1.12
1.1
0
10000
20000
30000
40000
50000
60000

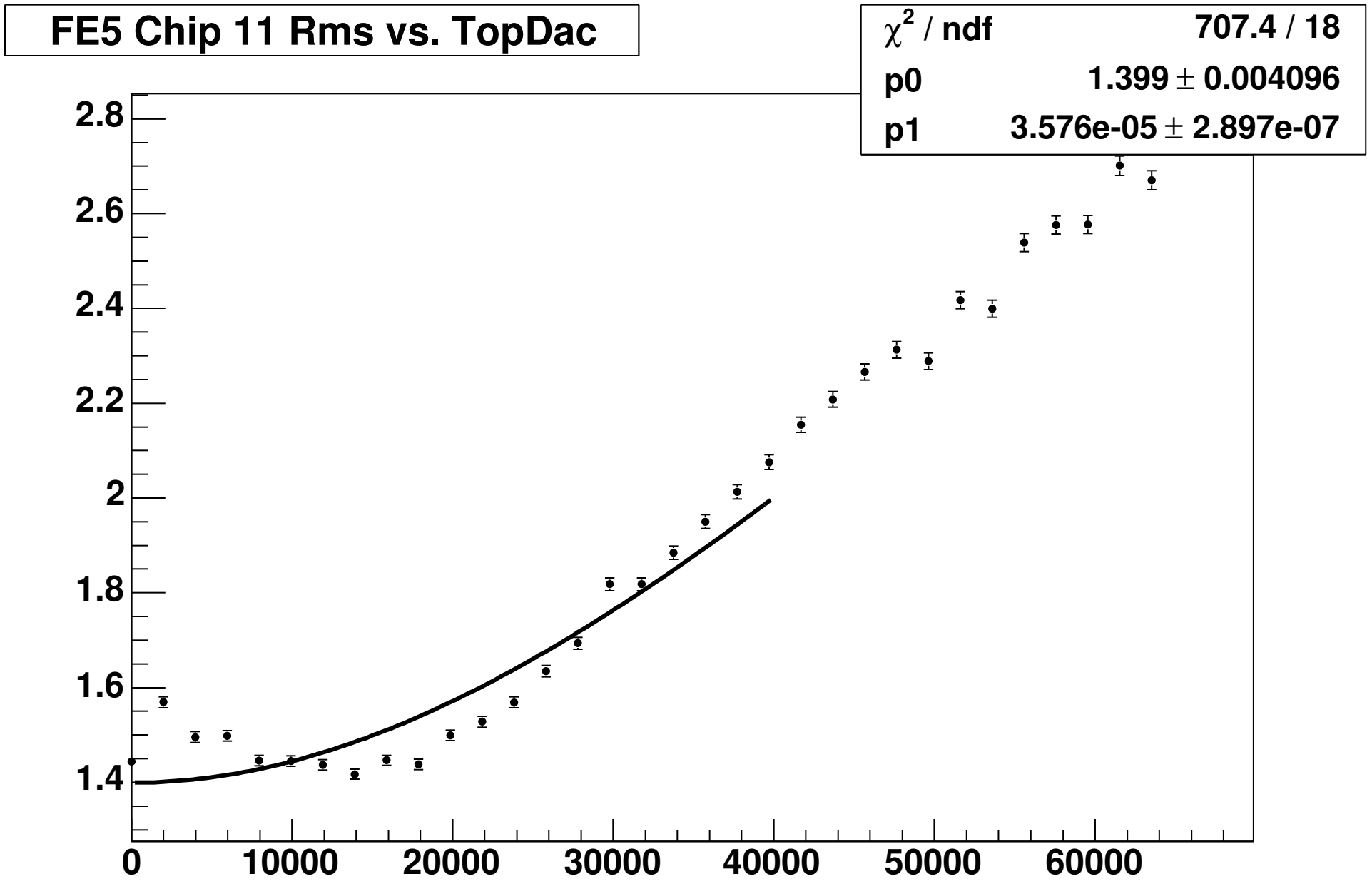

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 3.033e+04 / 18
p0 -3.886 ± 0.007085
p1 0.4516 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

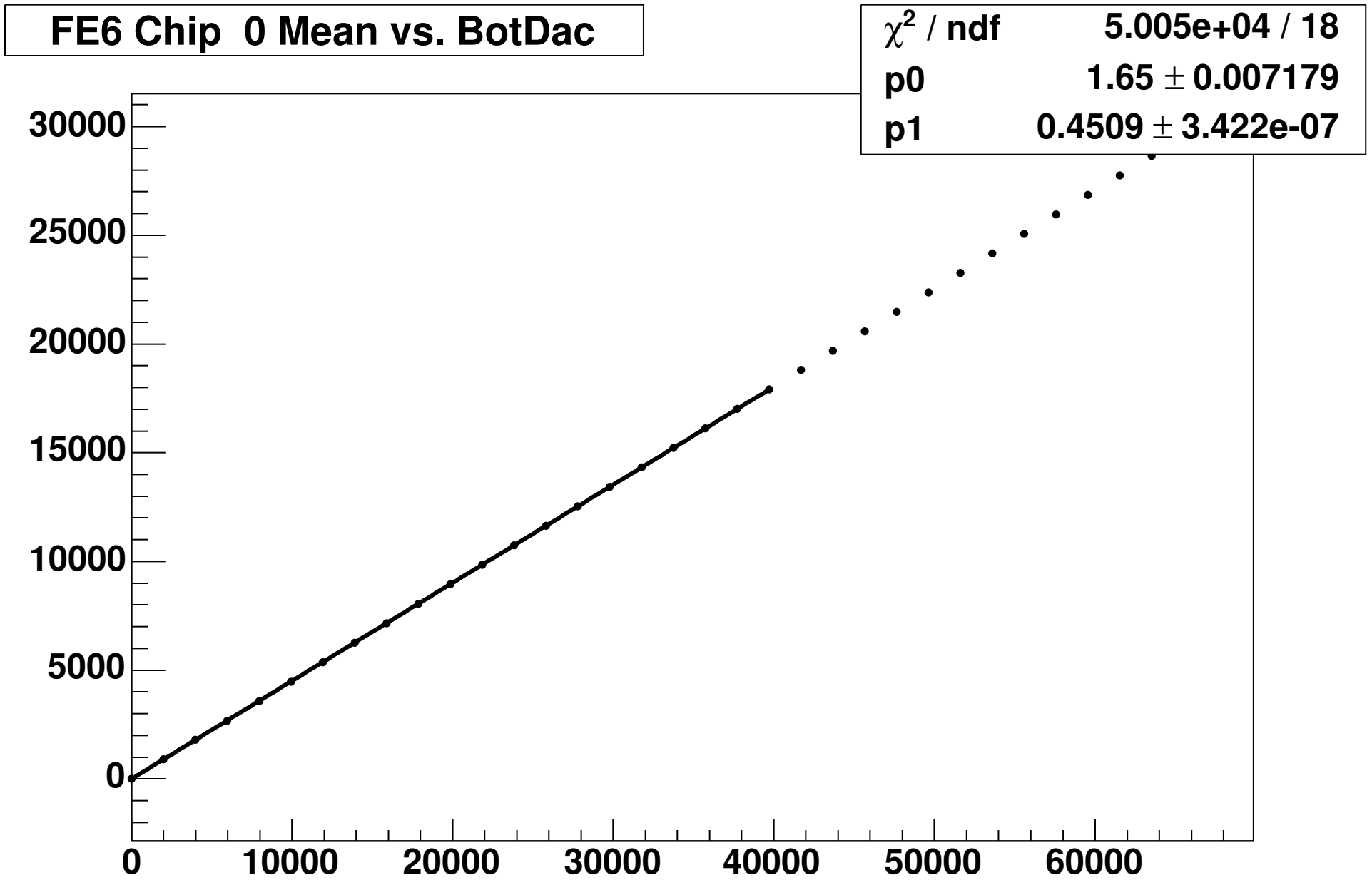

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 2616 / 18
p0 1.304 ± 0.003938
p1 3.944e-05 ± 2.541e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000

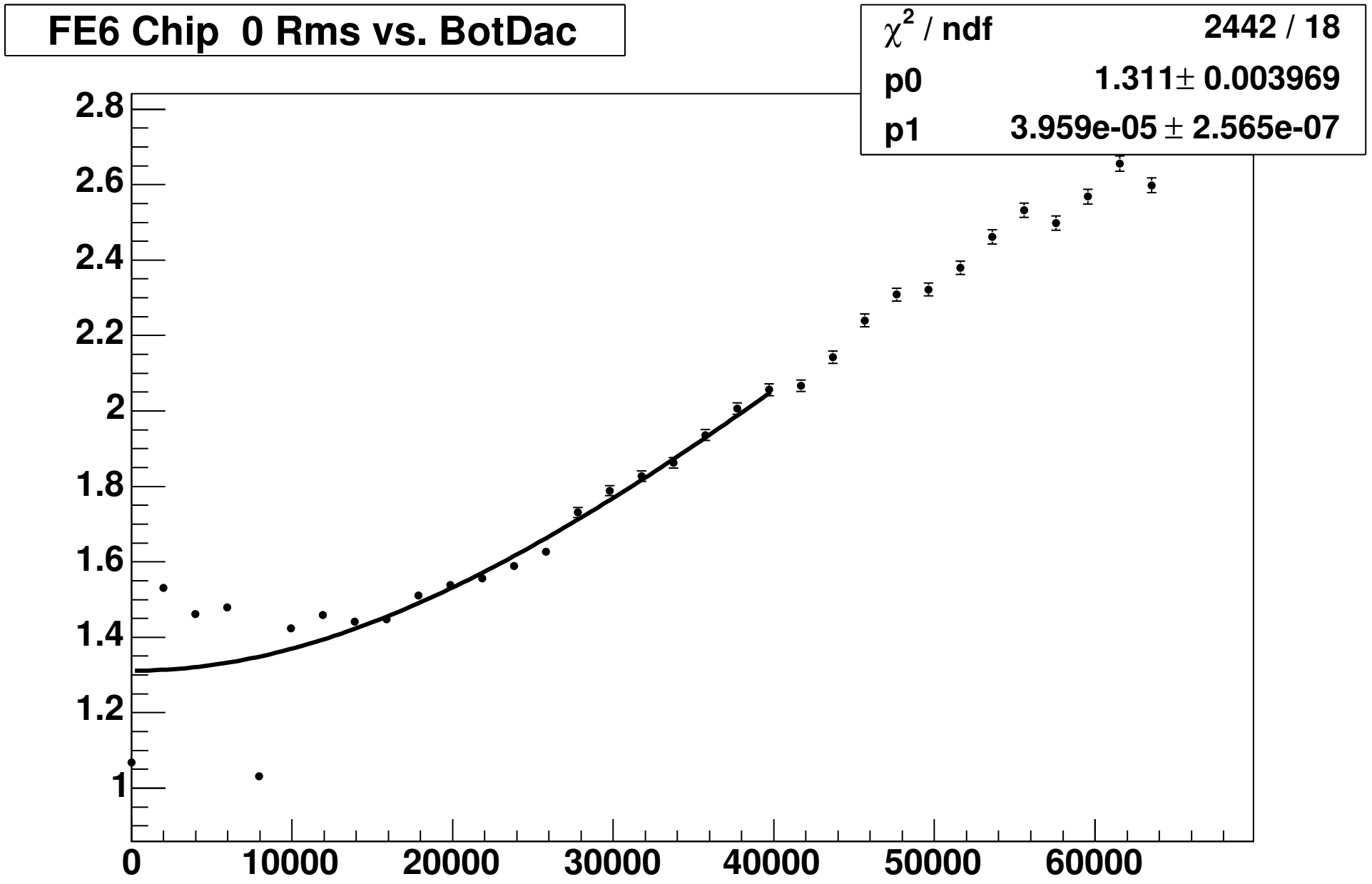

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 339.1 / 18
p0 1.012 ± 0.00717
p1 -1.062e-06 ± 3.01e-07
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0
10000
20000
30000
40000
50000
60000

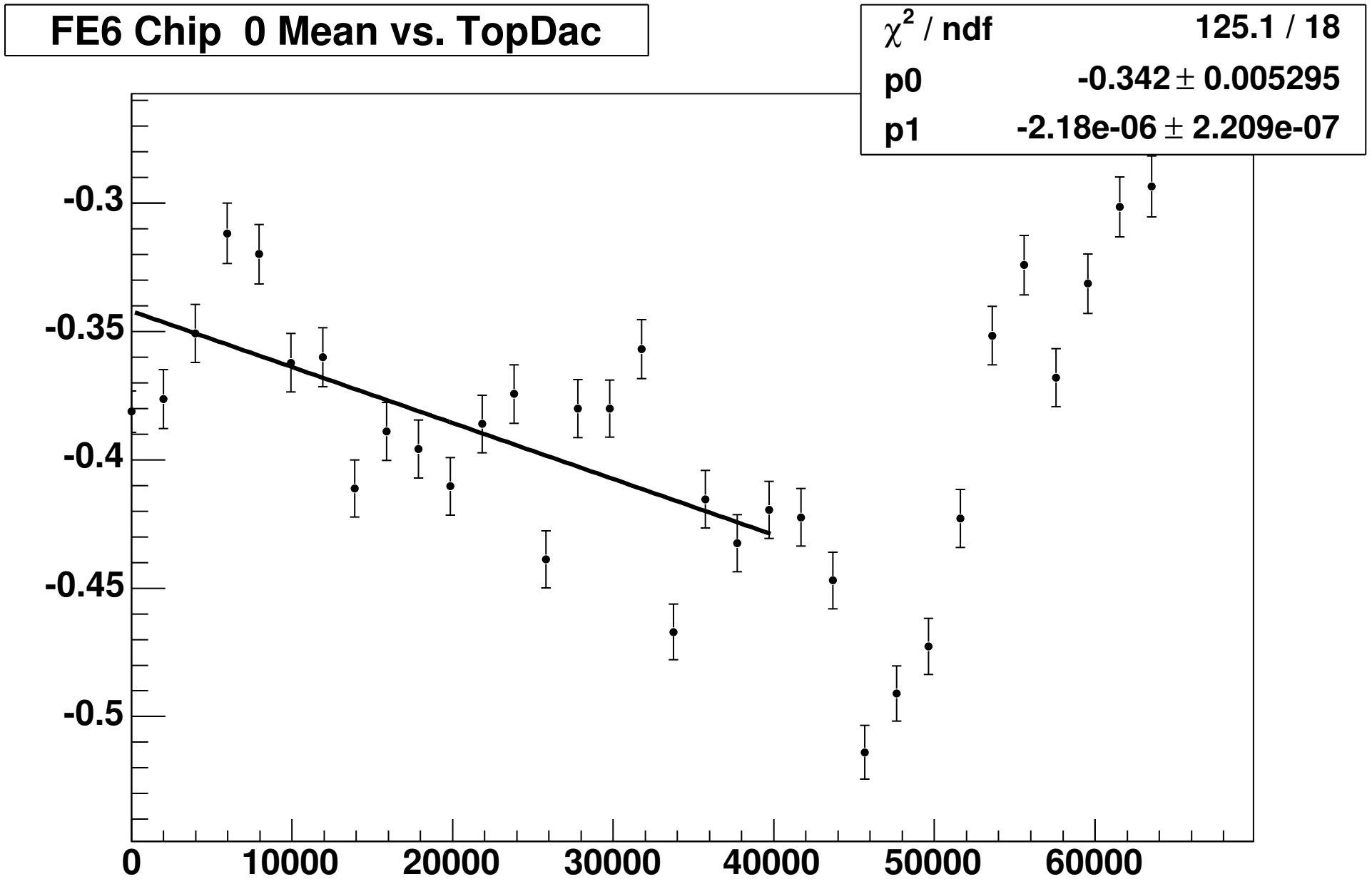

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 24.98 / 18
p0 1.456 ± 0.002452
p1 9.775e-13 ± 2.369e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

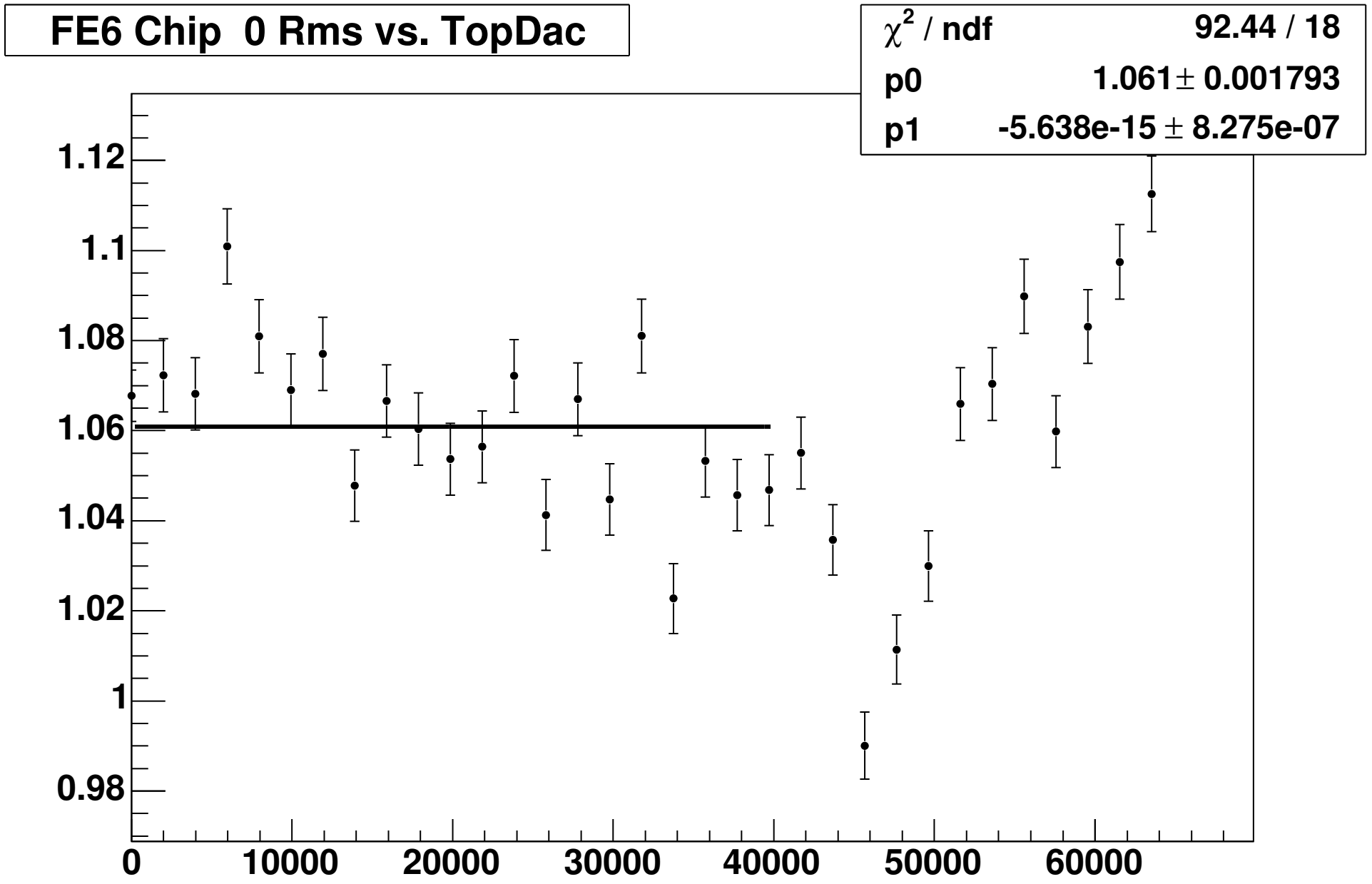

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.38e+04 / 18
p0 0.8308 ± 0.00762
p1 0.4516 ± 3.544e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

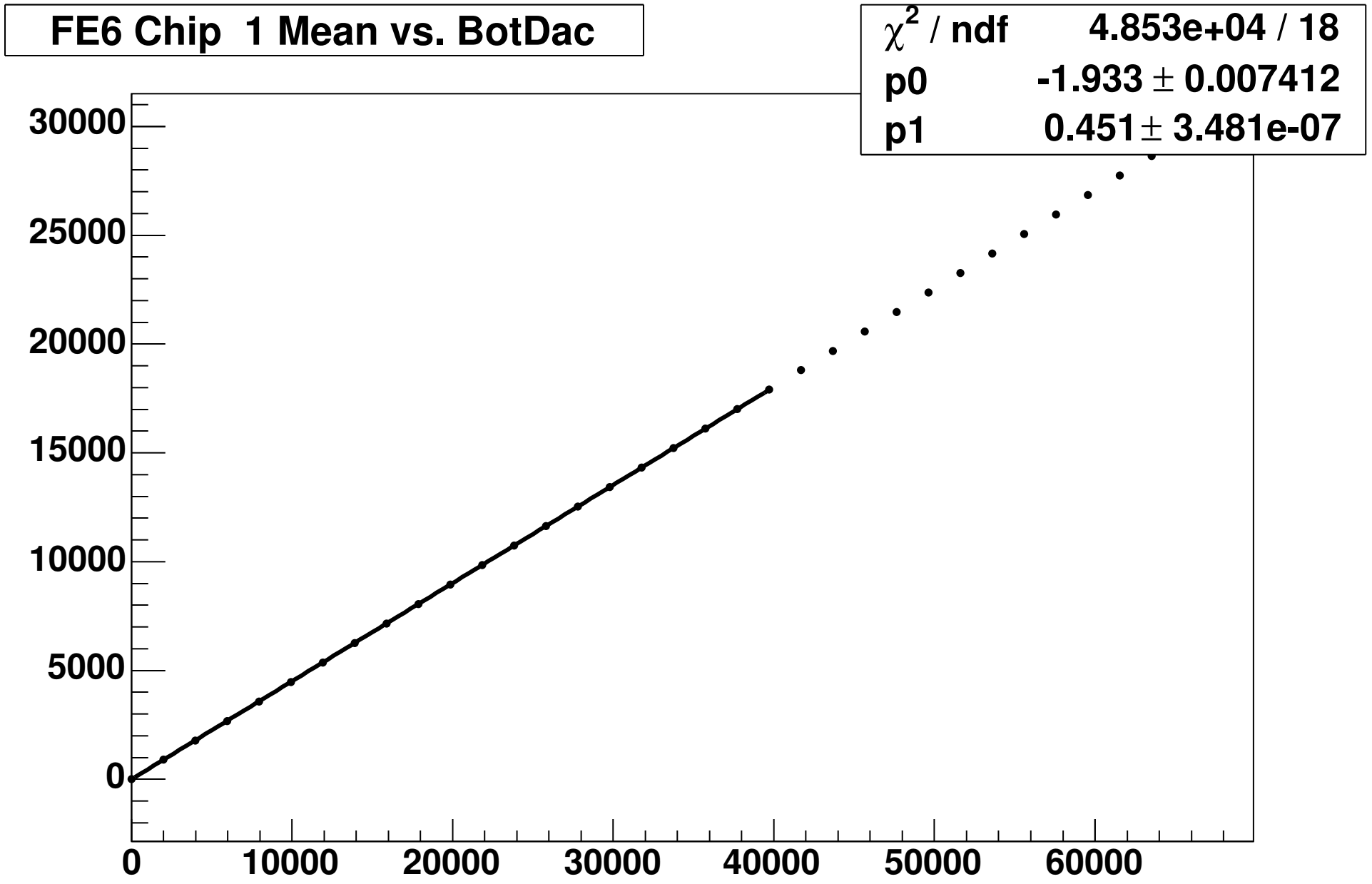

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 707.4 / 18
p0 1.399 ± 0.004096
p1 3.576e-05 ± 2.897e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

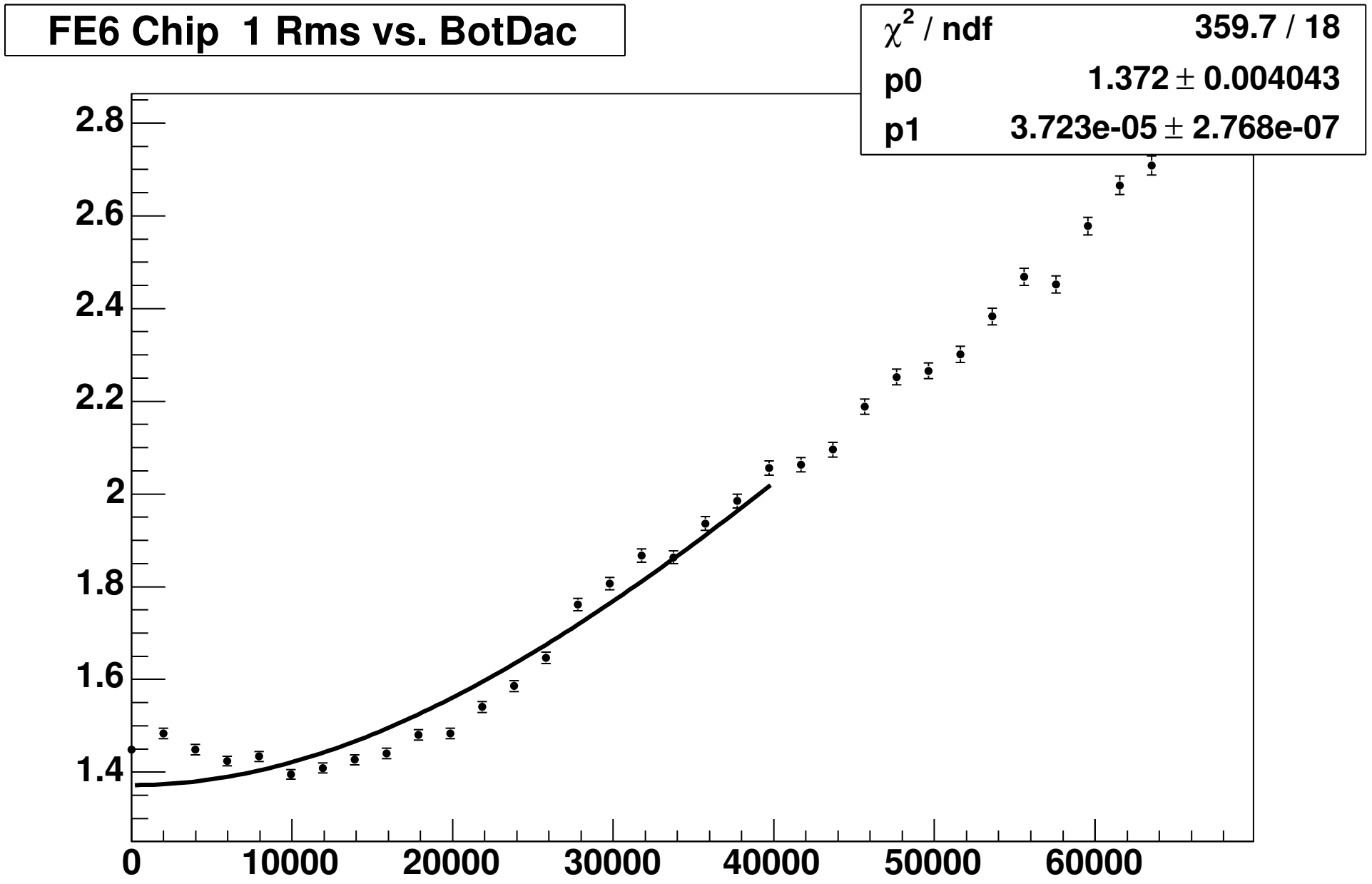

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 5.005e+04 / 18
p0 1.65 ± 0.007179
p1 0.4509 ± 3.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 2442 / 18
p0 1.311 ± 0.003969
p1 3.959e-05 ± 2.565e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 125.1 / 18
p0 -0.342 ± 0.005295
p1 -2.18e-06 ± 2.209e-07
-0.3
-0.35
-0.4
-0.45
-0.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 92.44 / 18
p0 1.061 ± 0.001793
p1 -5.638e-15 ± 8.275e-07
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 4.853e+04 / 18
p0 -1.933 ± 0.007412
p1 0.451 ± 3.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 359.7 / 18
p0 1.372 ± 0.004043
p1 3.723e-05 ± 2.768e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
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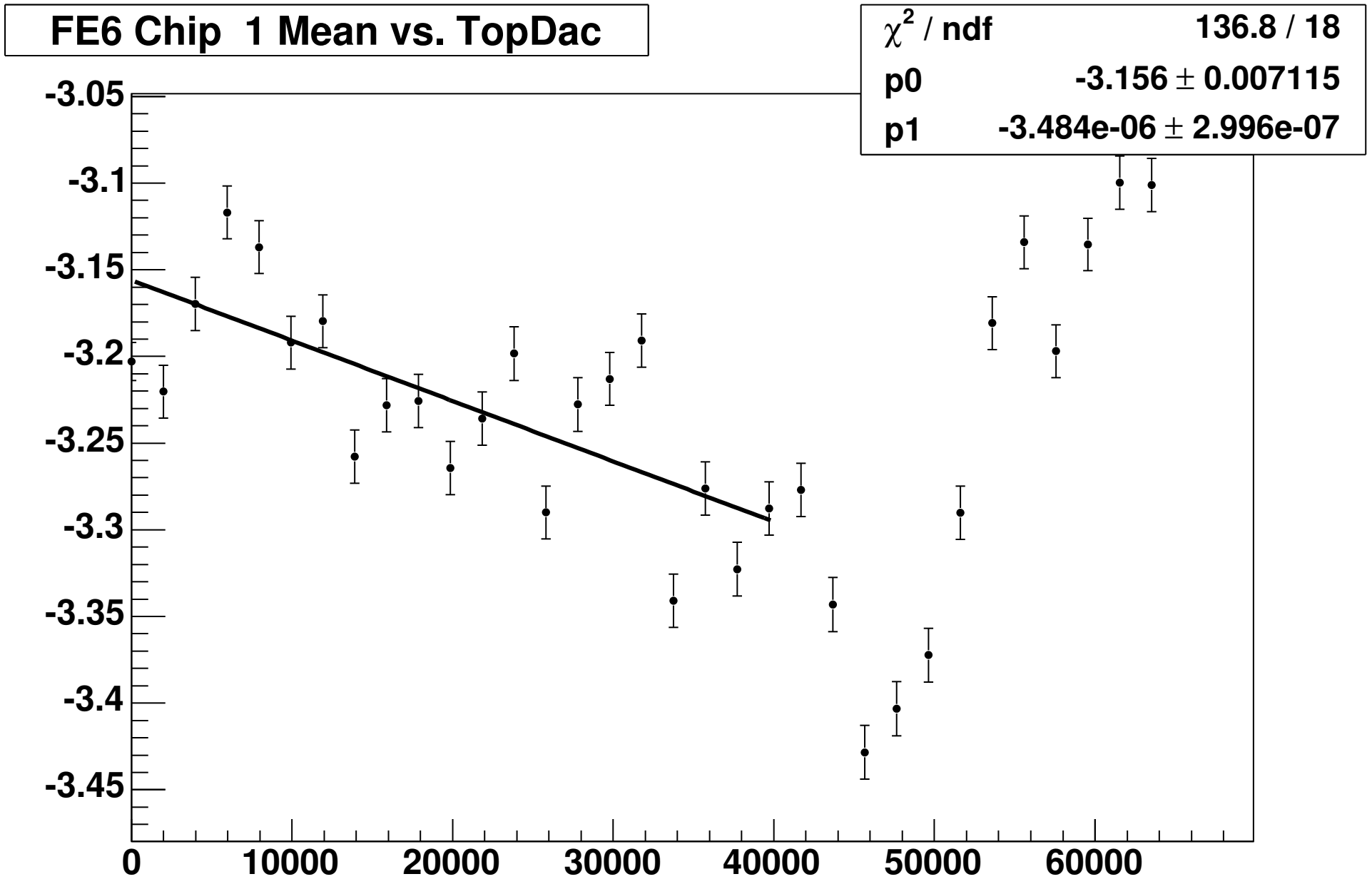
60000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 136.8 / 18
p0 -3.156 ± 0.007115
p1 -3.484e-06 ± 2.996e-07
-3.05
-3.1
-3.15
-3.2
-3.25
-3.3
-3.35
-3.4
-3.45
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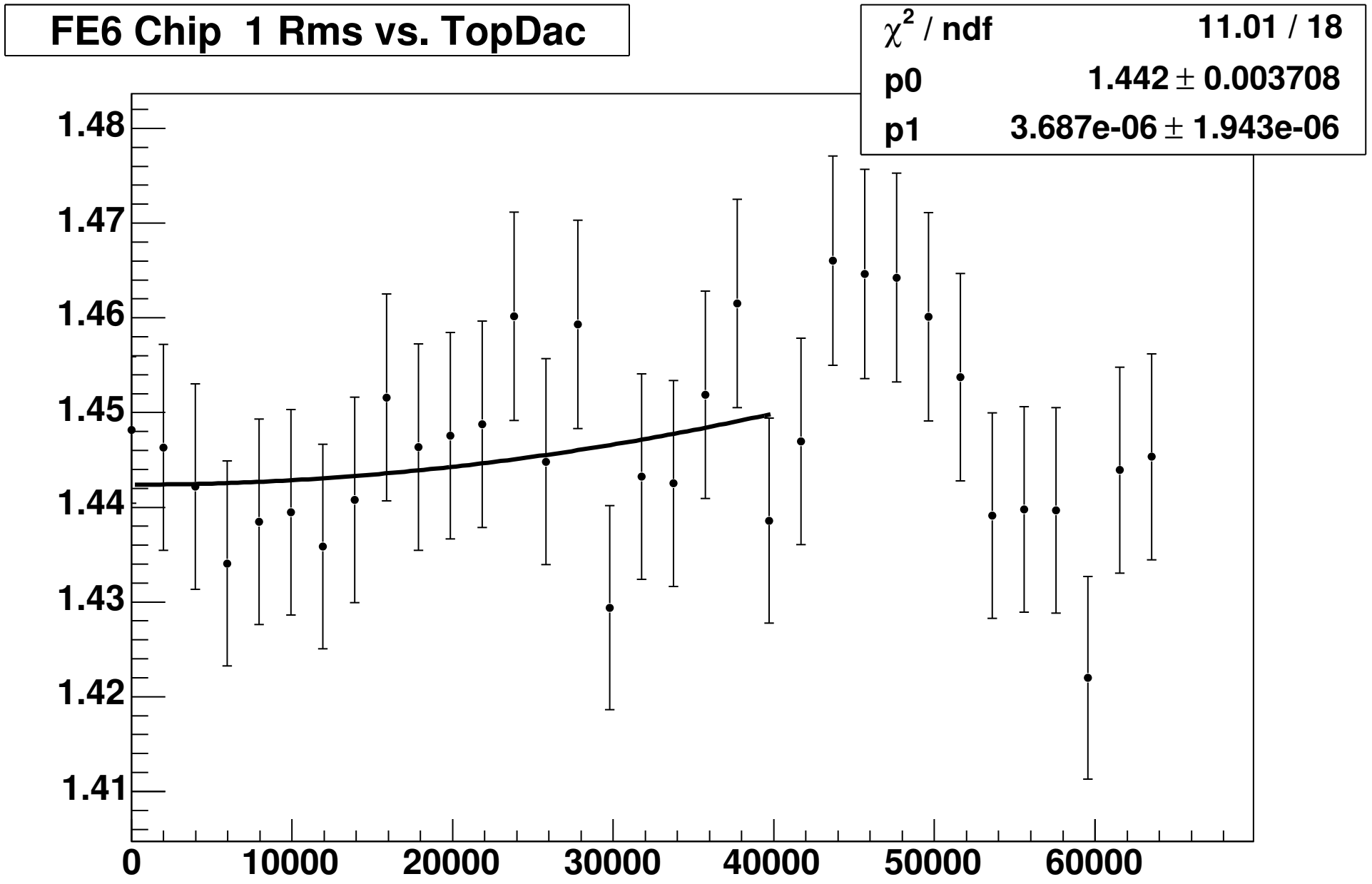
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 11.01 / 18
p0 1.442 ± 0.003708
p1 3.687e-06 ± 1.943e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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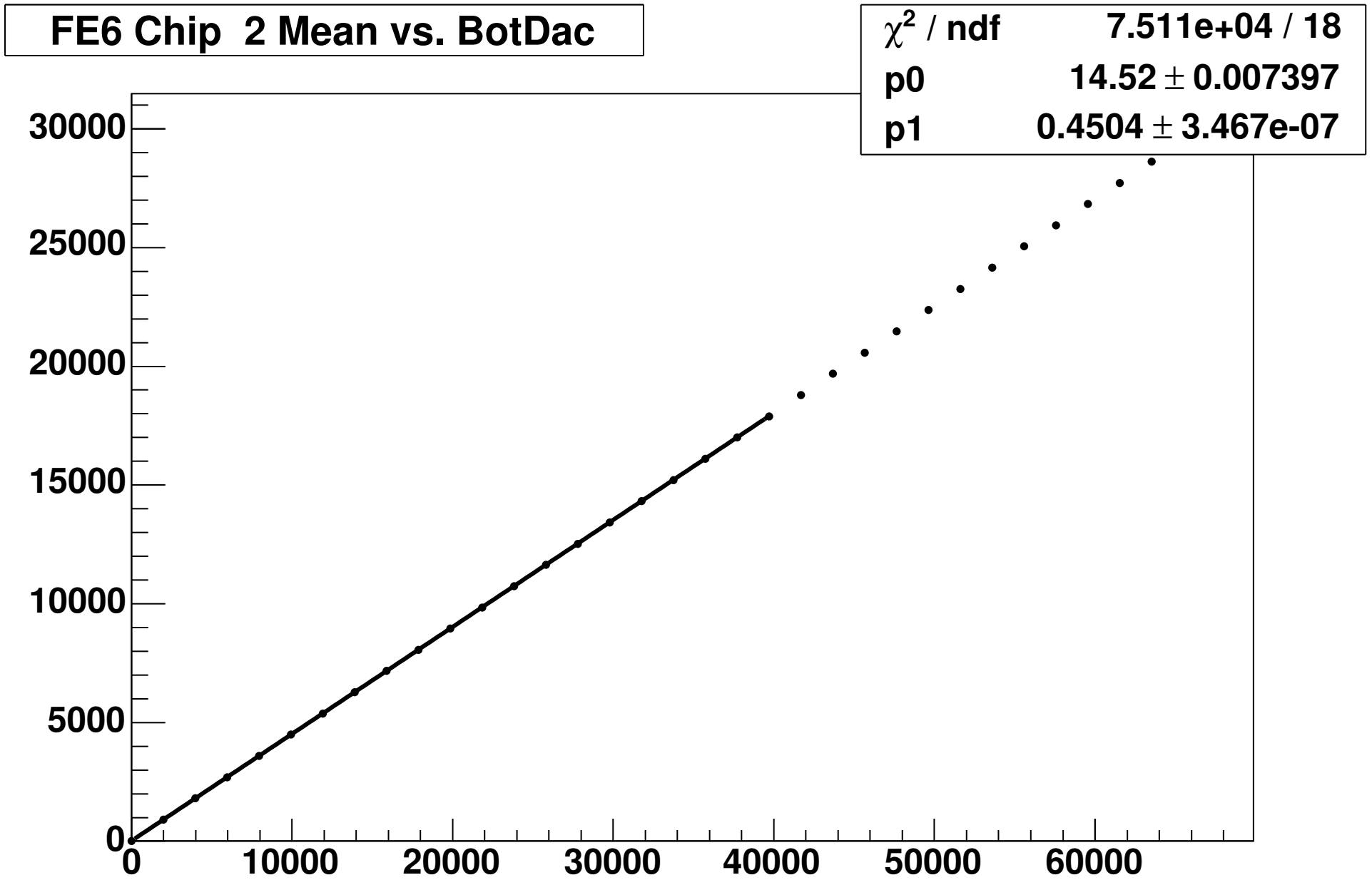
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 7.511e+04 / 18
p0 14.52 ± 0.007397
p1 0.4504 ± 3.467e-07
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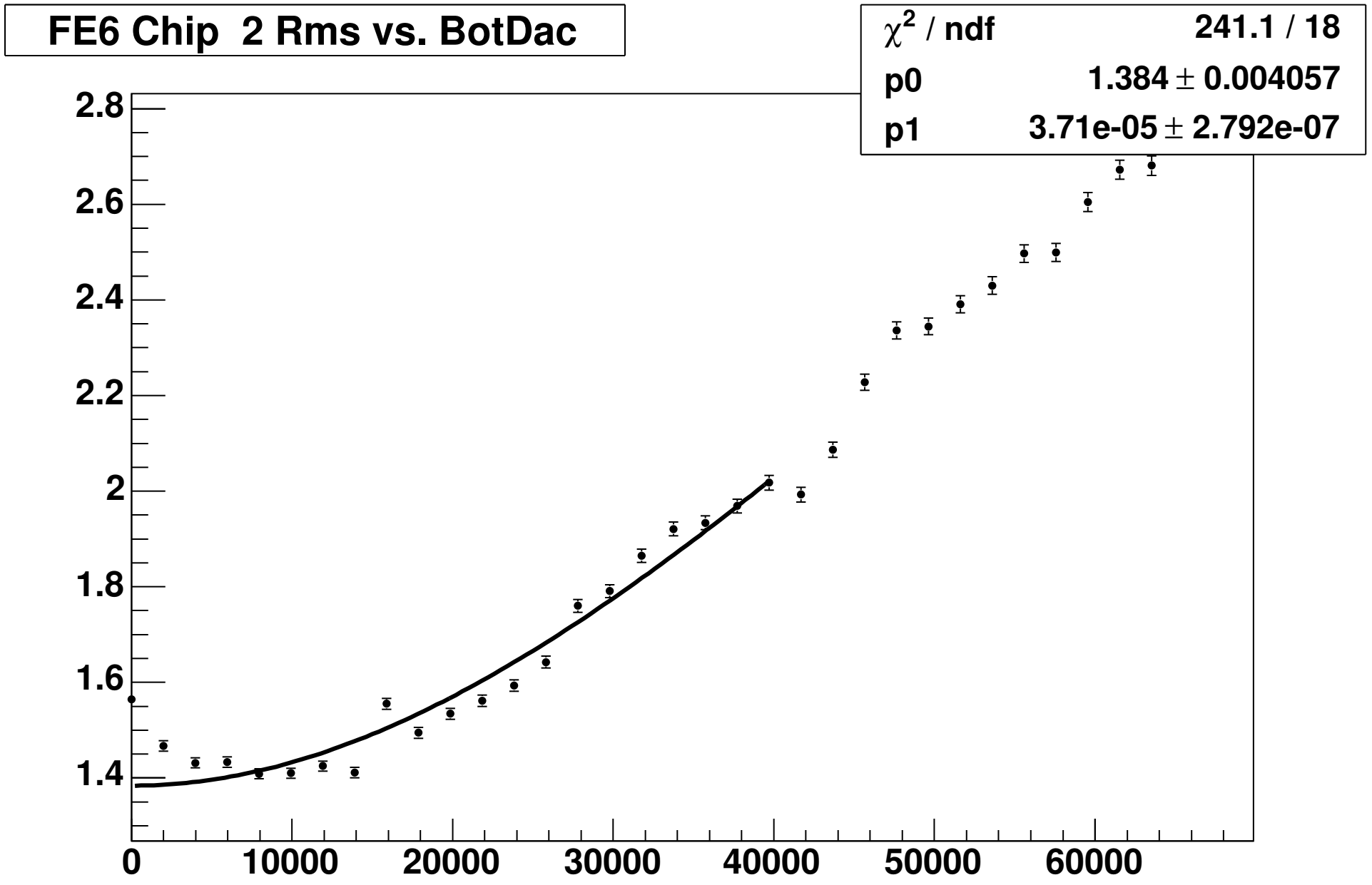
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 241.1 / 18
p0 1.384 ± 0.004057
p1 3.71e-05 ± 2.792e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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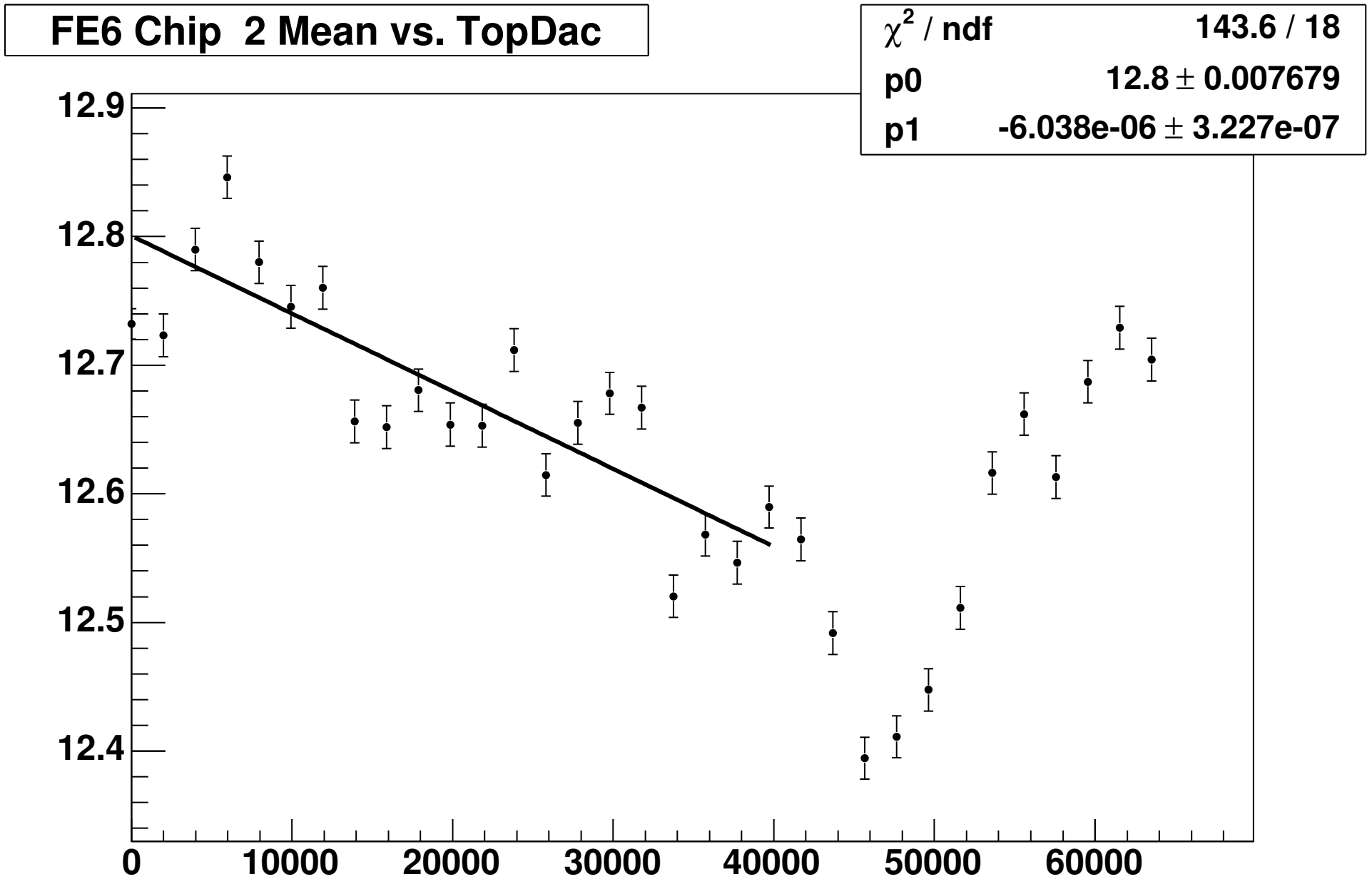
FE6 Chip 2 Mean vs. TopDac
χ^2 / ndf 143.6 / 18
p0 12.8 ± 0.007679
p1 -6.038e-06 ± 3.227e-07
12.9
12.8
12.7
12.6
12.5
12.4
0
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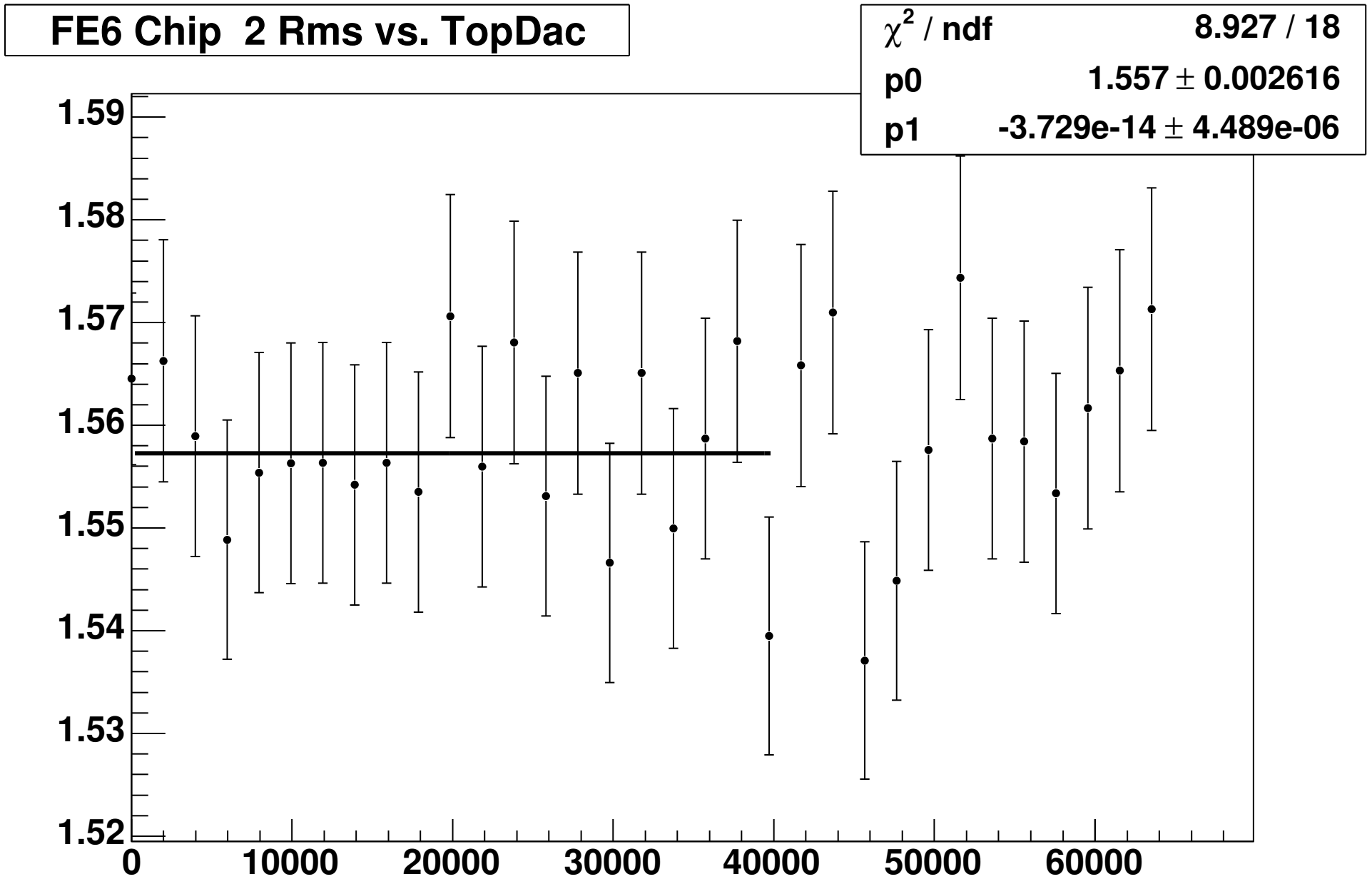
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 8.927 / 18
p0 1.557 ± 0.002616
p1 -3.729e-14 ± 4.489e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
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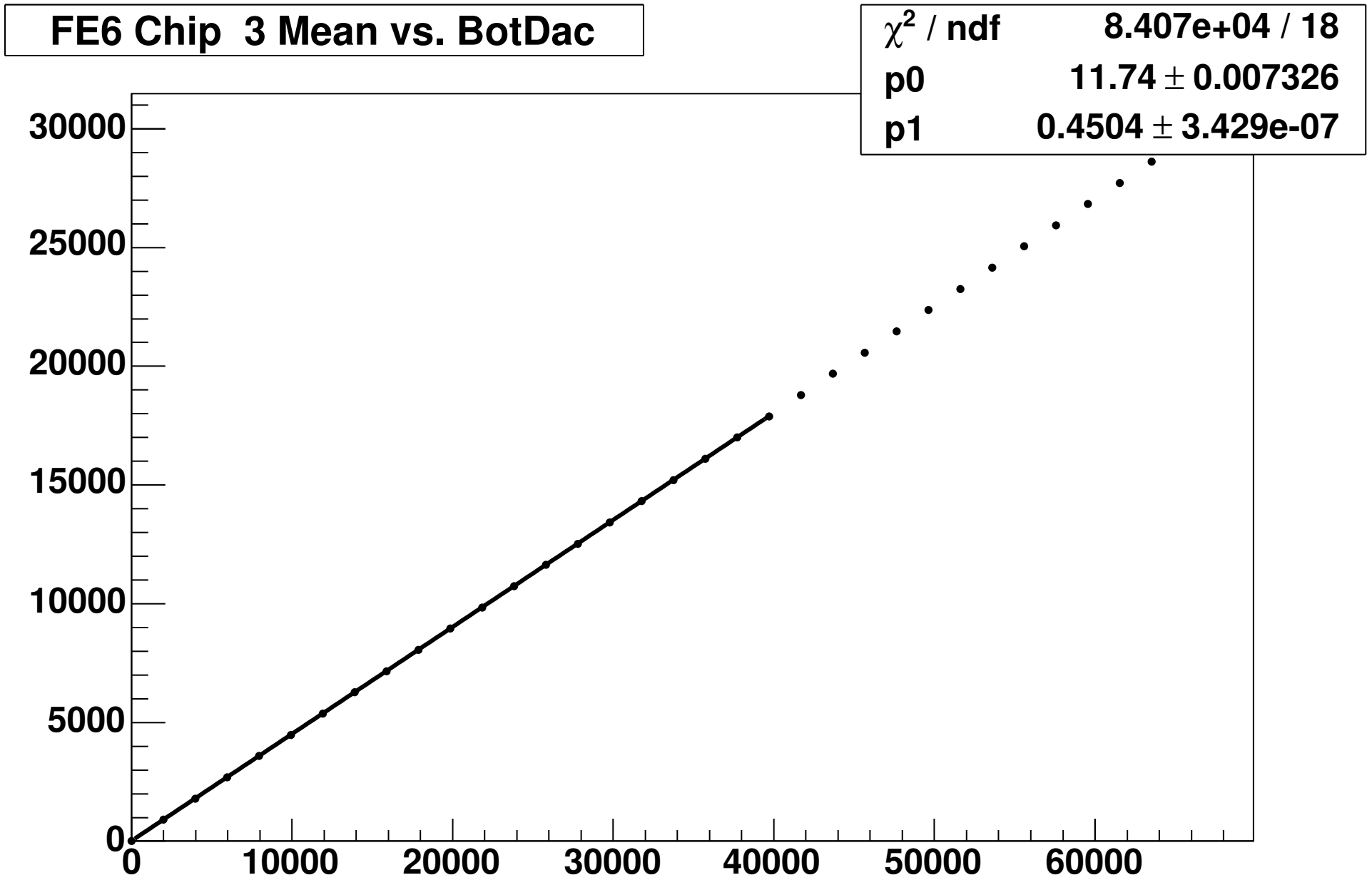
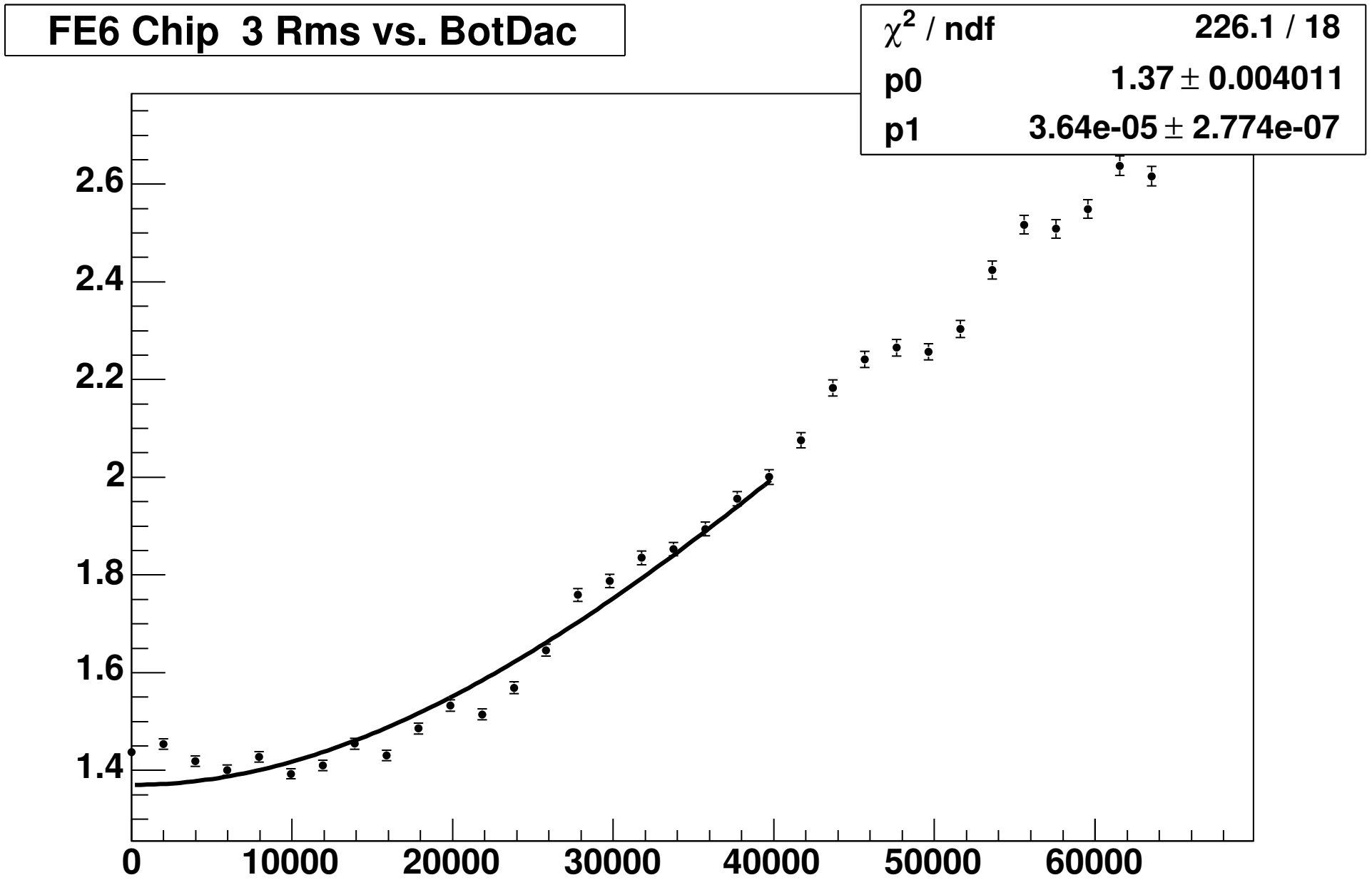
40000
50000
60000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 8.407e+04 / 18
p0 11.74 ± 0.007326
p1 0.4504 ± 3.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 226.1 / 18
p0 1.37 ± 0.004011
p1 3.64e-05 ± 2.774e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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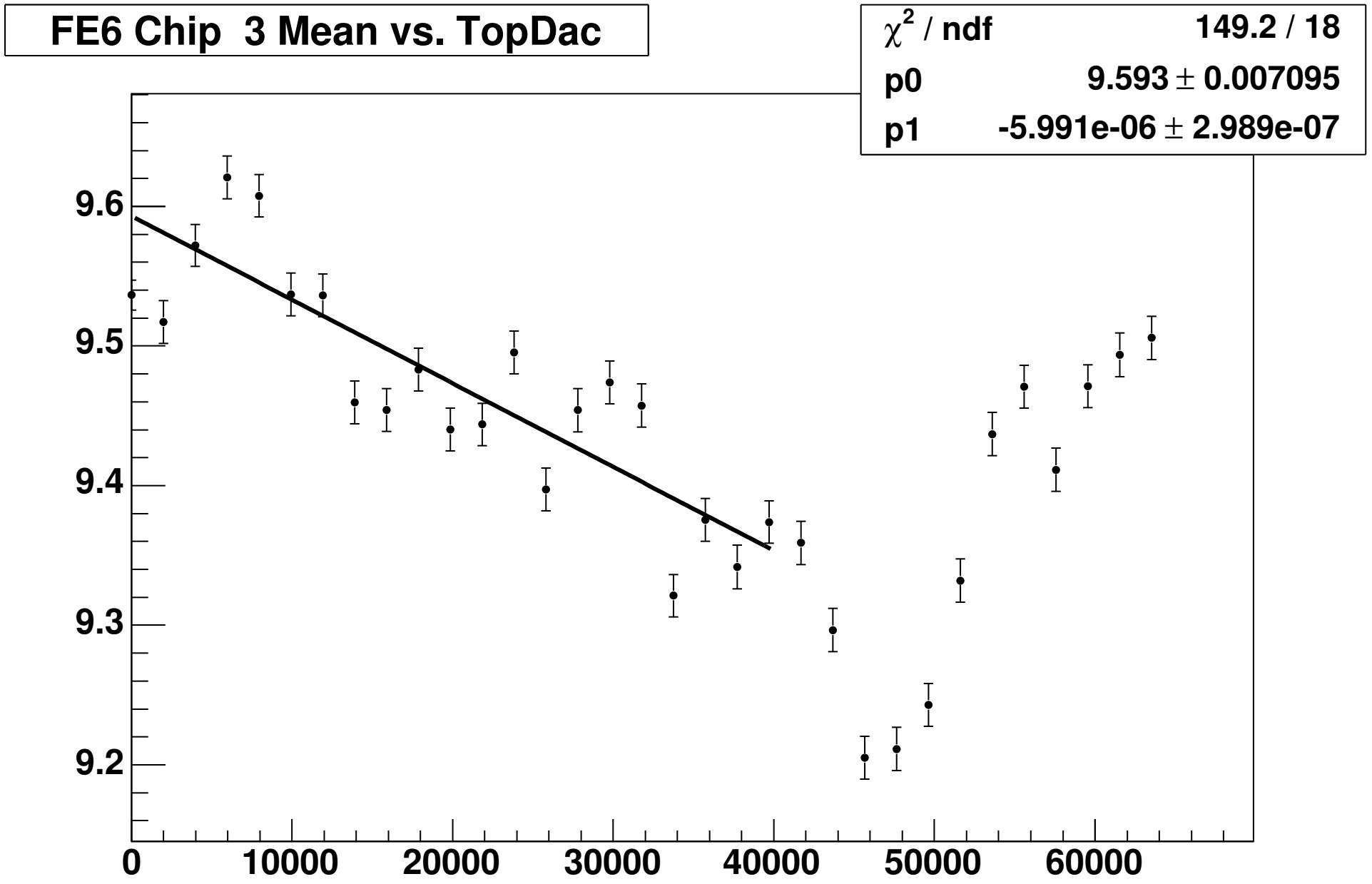
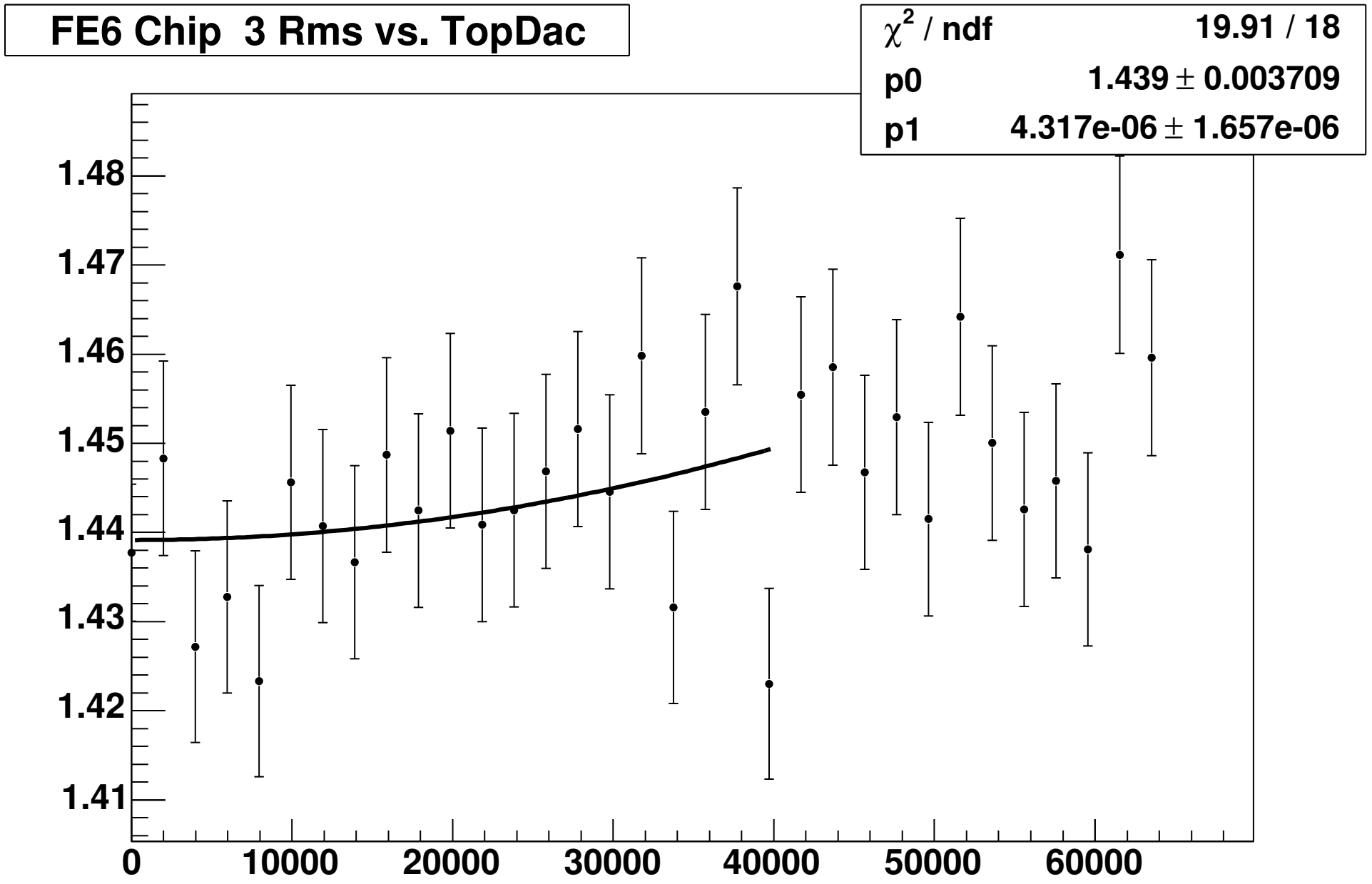

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 149.2 / 18
p0 9.593 ± 0.007095
p1 -5.991e-06 ± 2.989e-07
9.6
9.5
9.4
9.3
9.2
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 19.91 / 18
p0 1.439 ± 0.003709
p1 4.317e-06 ± 1.657e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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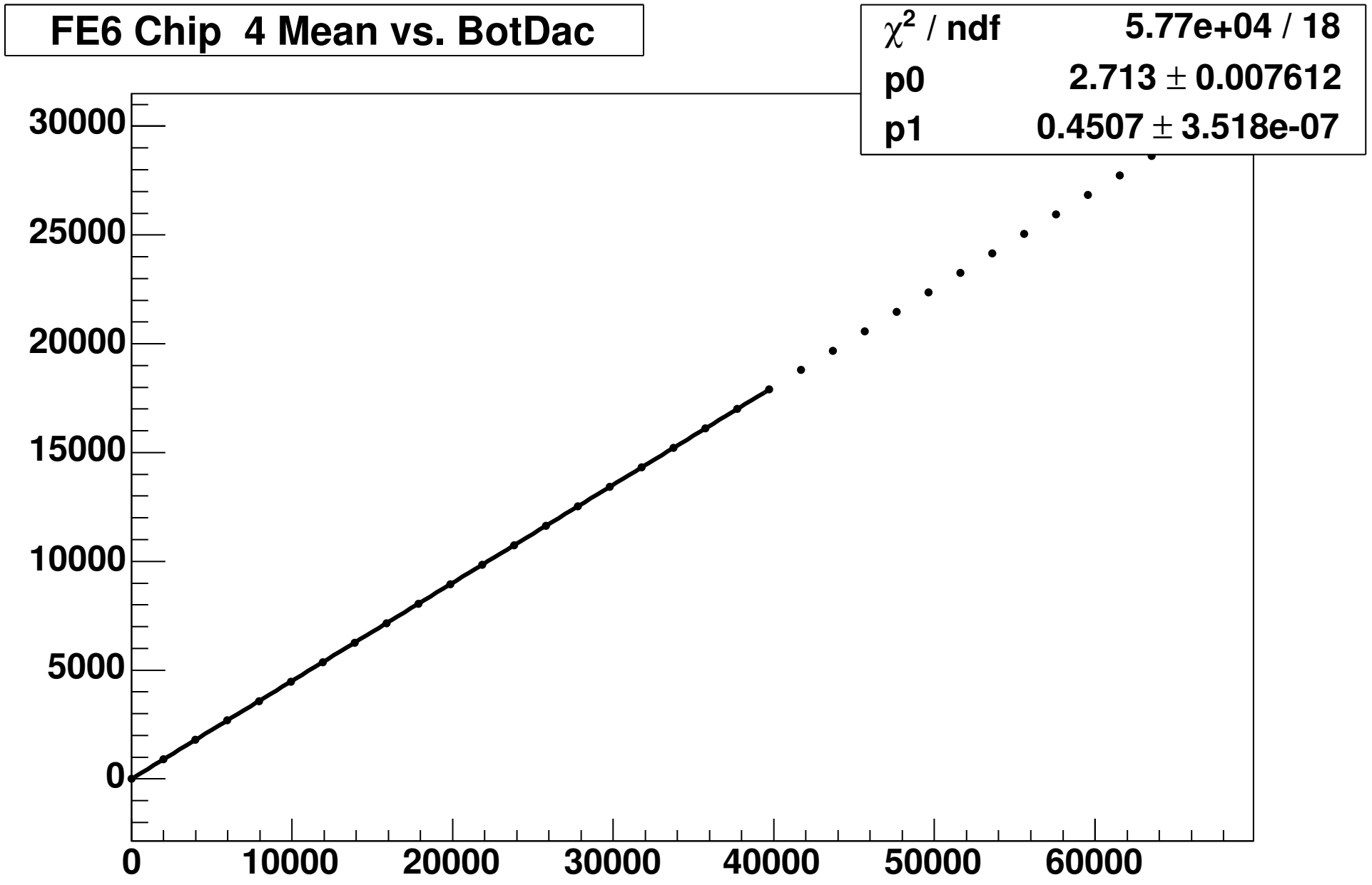
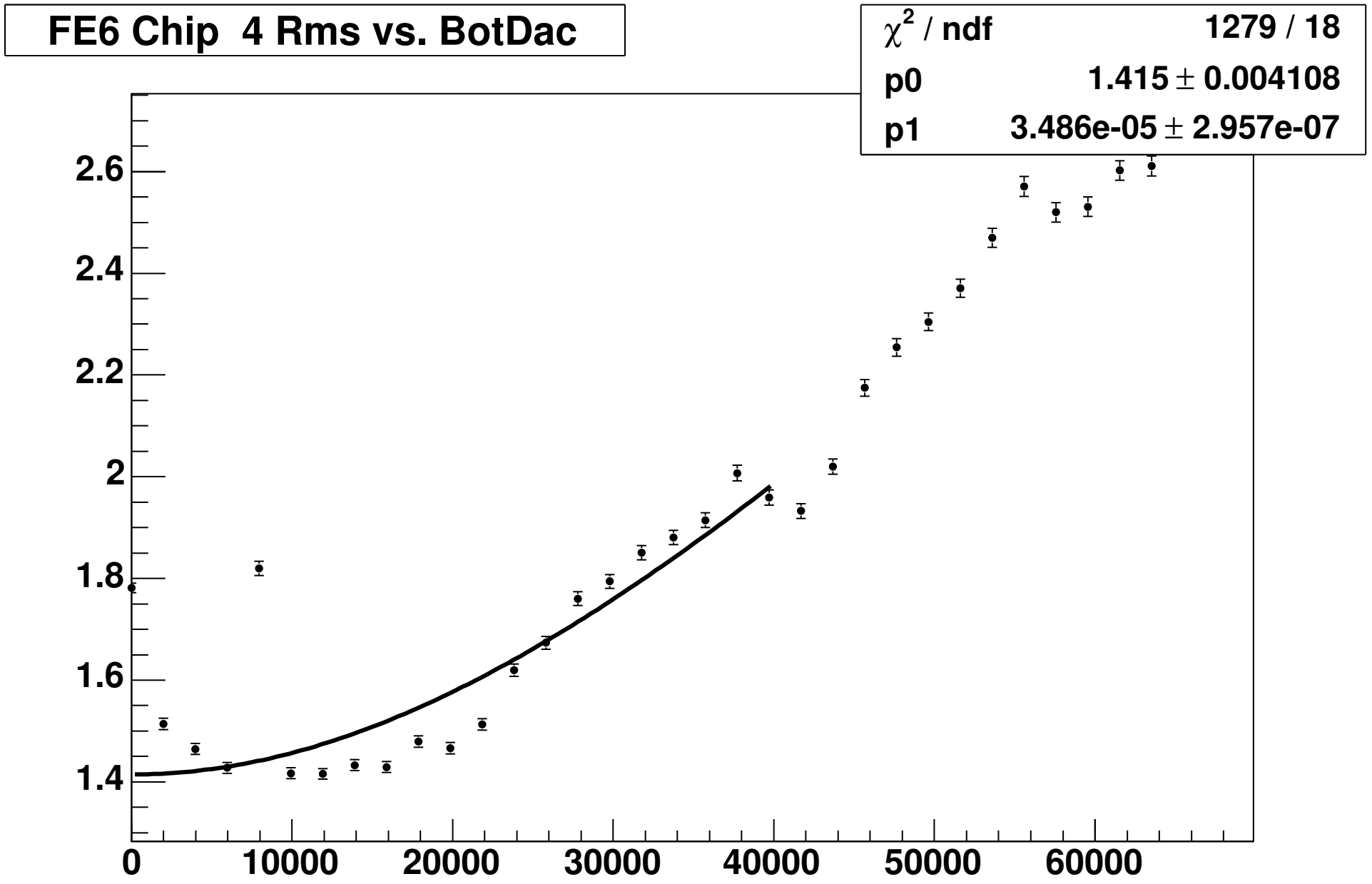
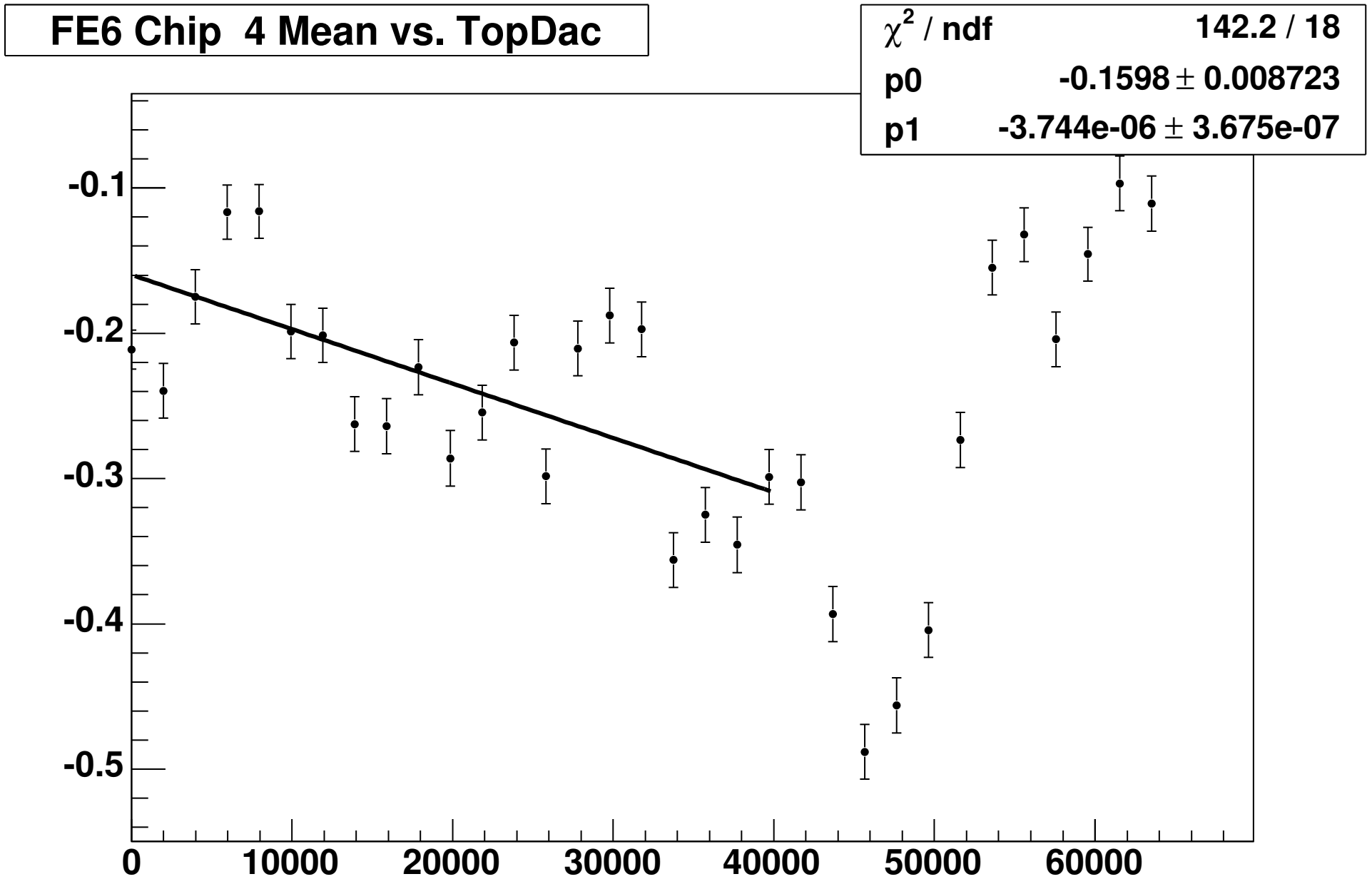
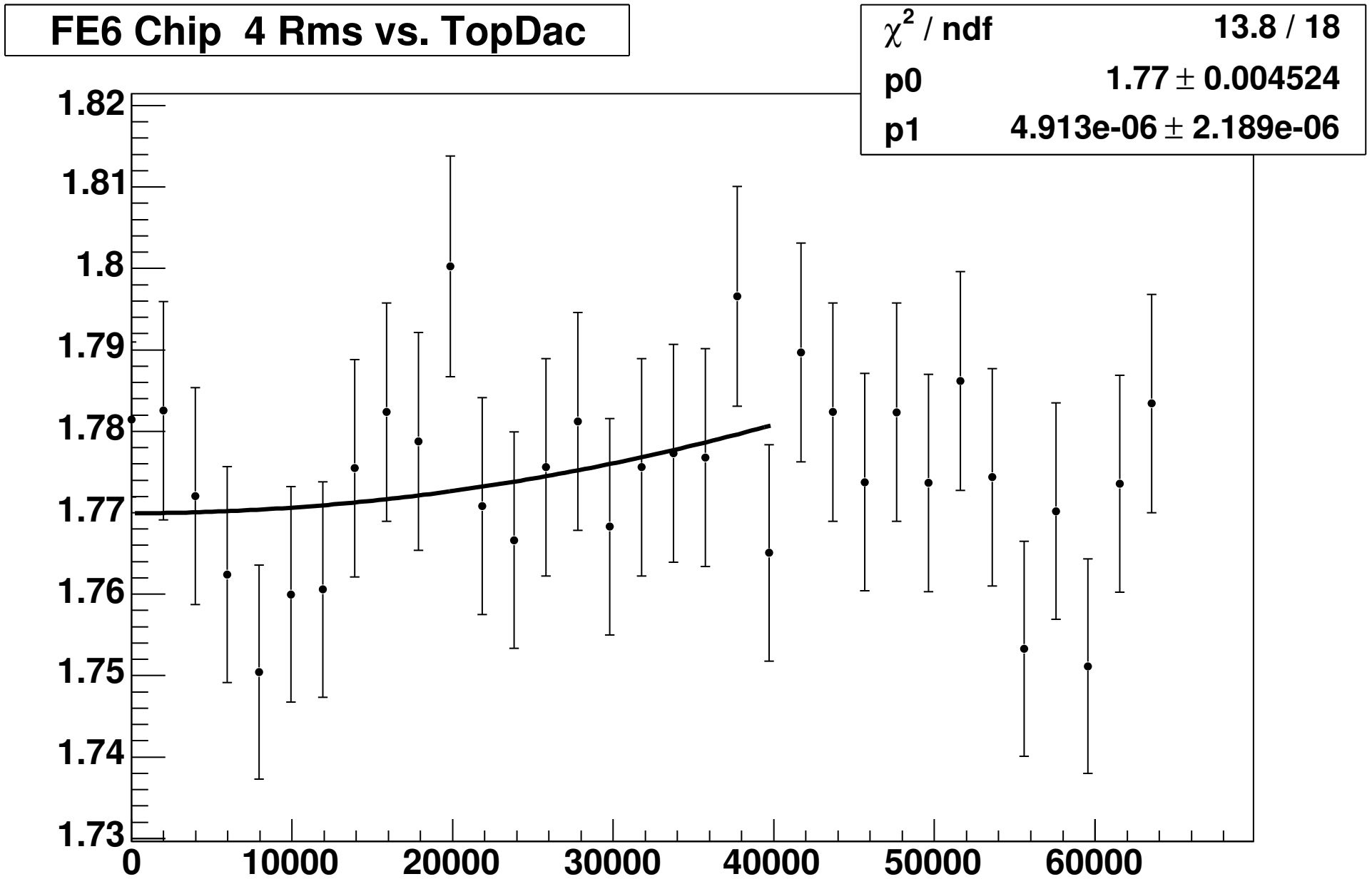
30000
40000
50000
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 5.77e+04 / 18
p0 2.713 ± 0.007612
p1 0.4507 ± 3.518e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1279 / 18
p0 1.415 ± 0.004108
p1 3.486e-05 ± 2.957e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 142.2 / 18
p0 -0.1598 ± 0.008723
p1 -3.744e-06 ± 3.675e-07
-0.1
-0.2
-0.3
-0.4
-0.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 13.8 / 18
p0 1.77 ± 0.004524
p1 4.913e-06 ± 2.189e-06
1.82
1.81
1.8
1.79
1.78
1.77
1.76
1.75
1.74
1.73
0
10000
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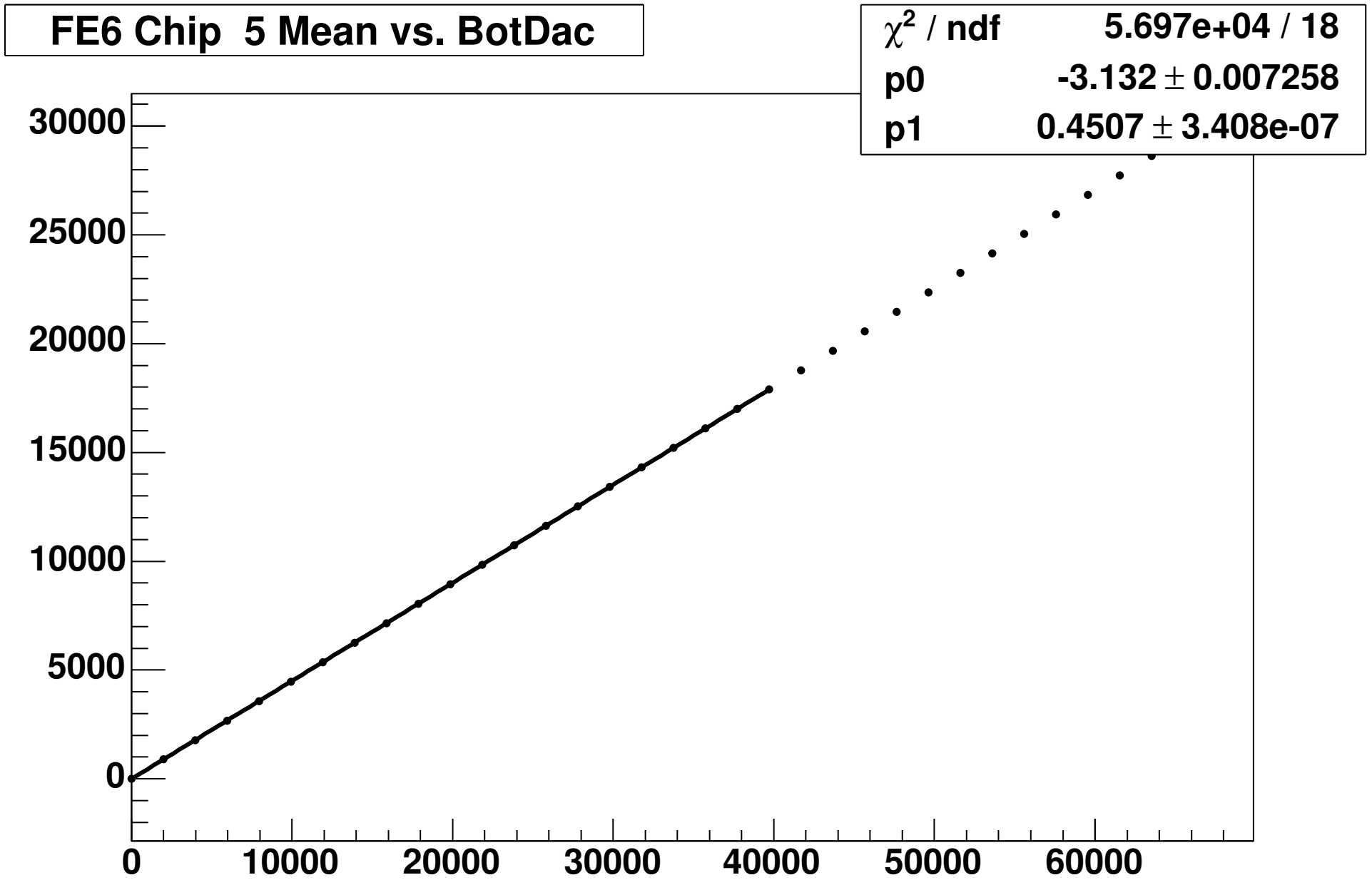
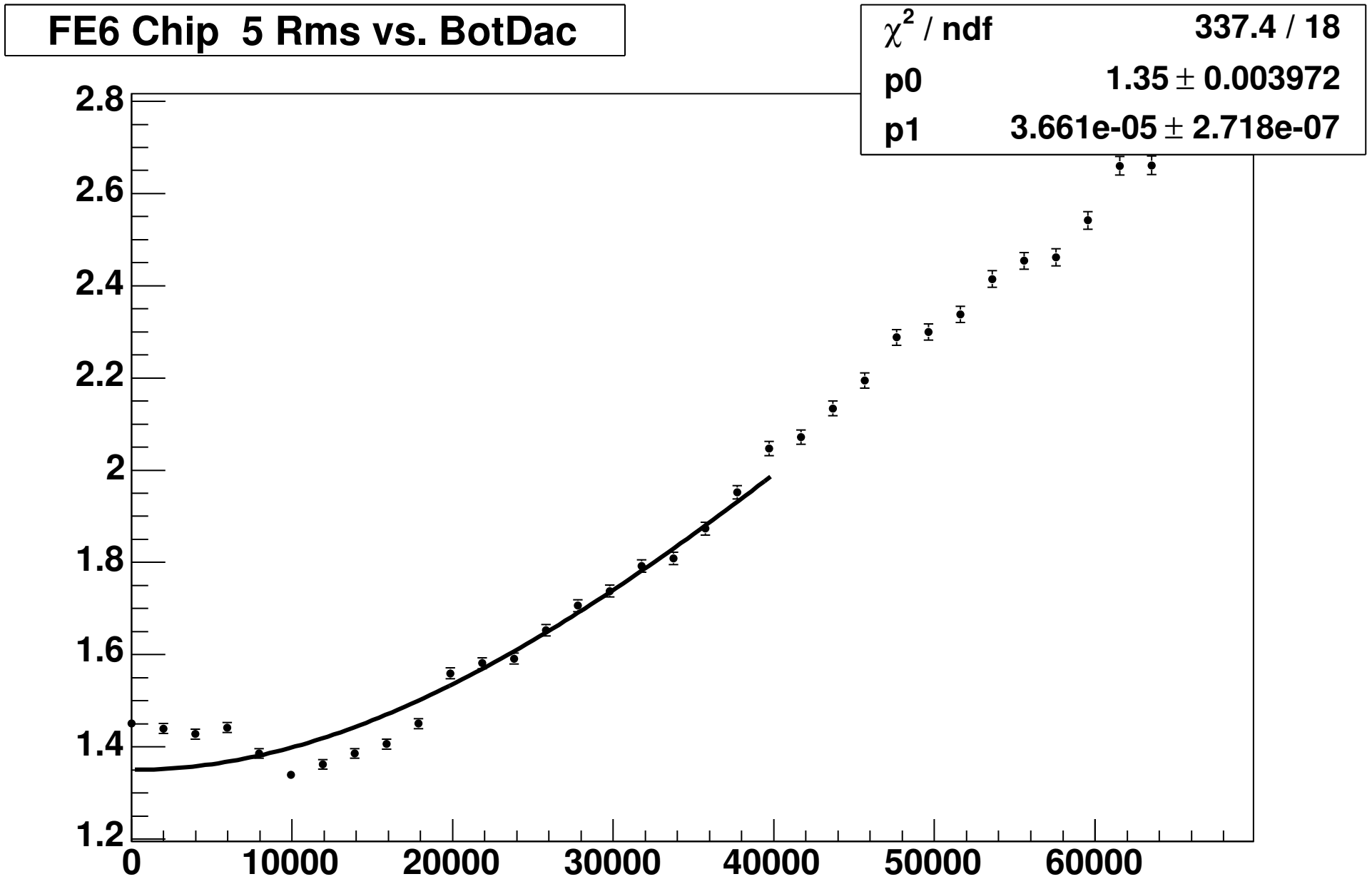
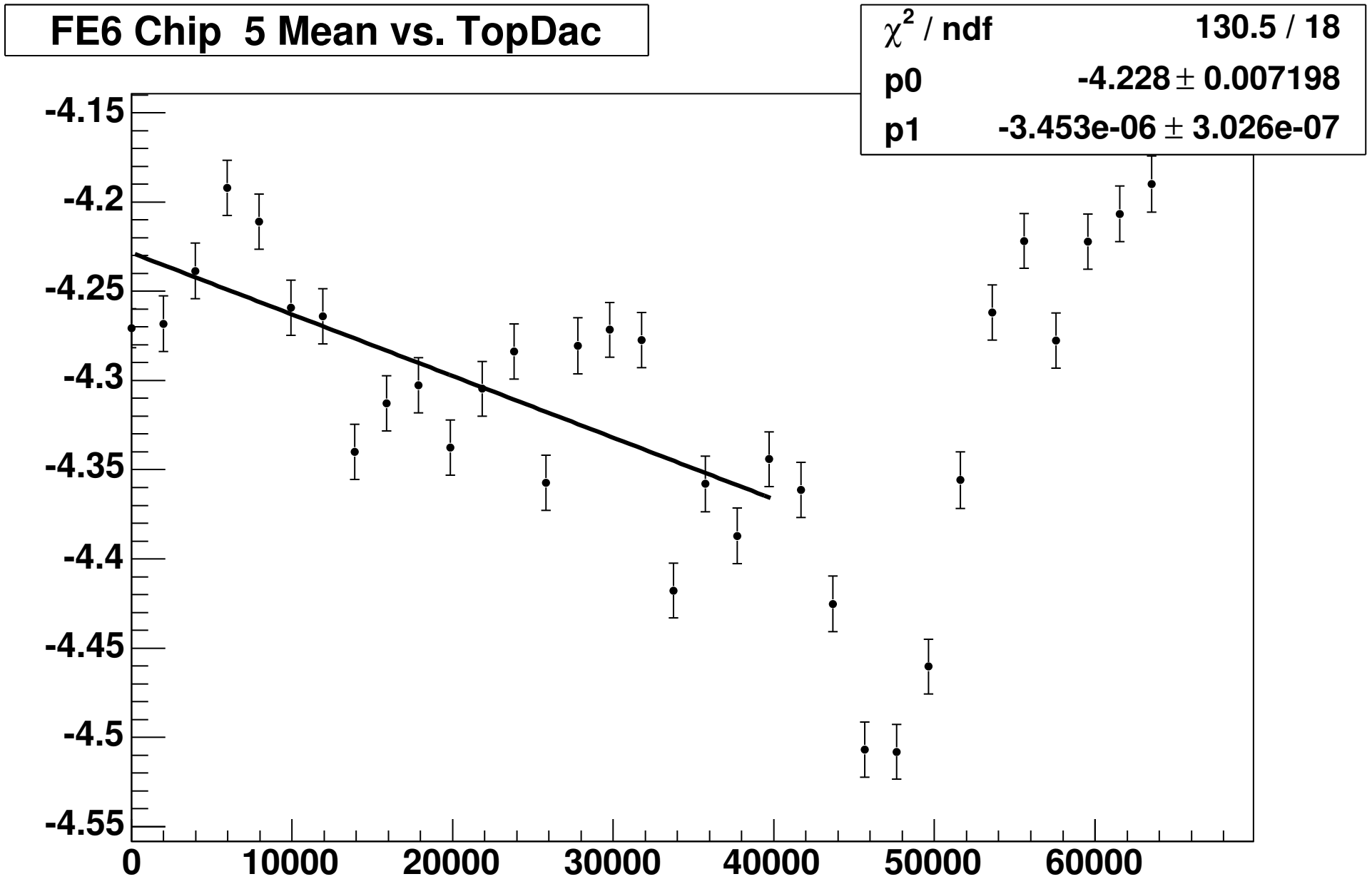
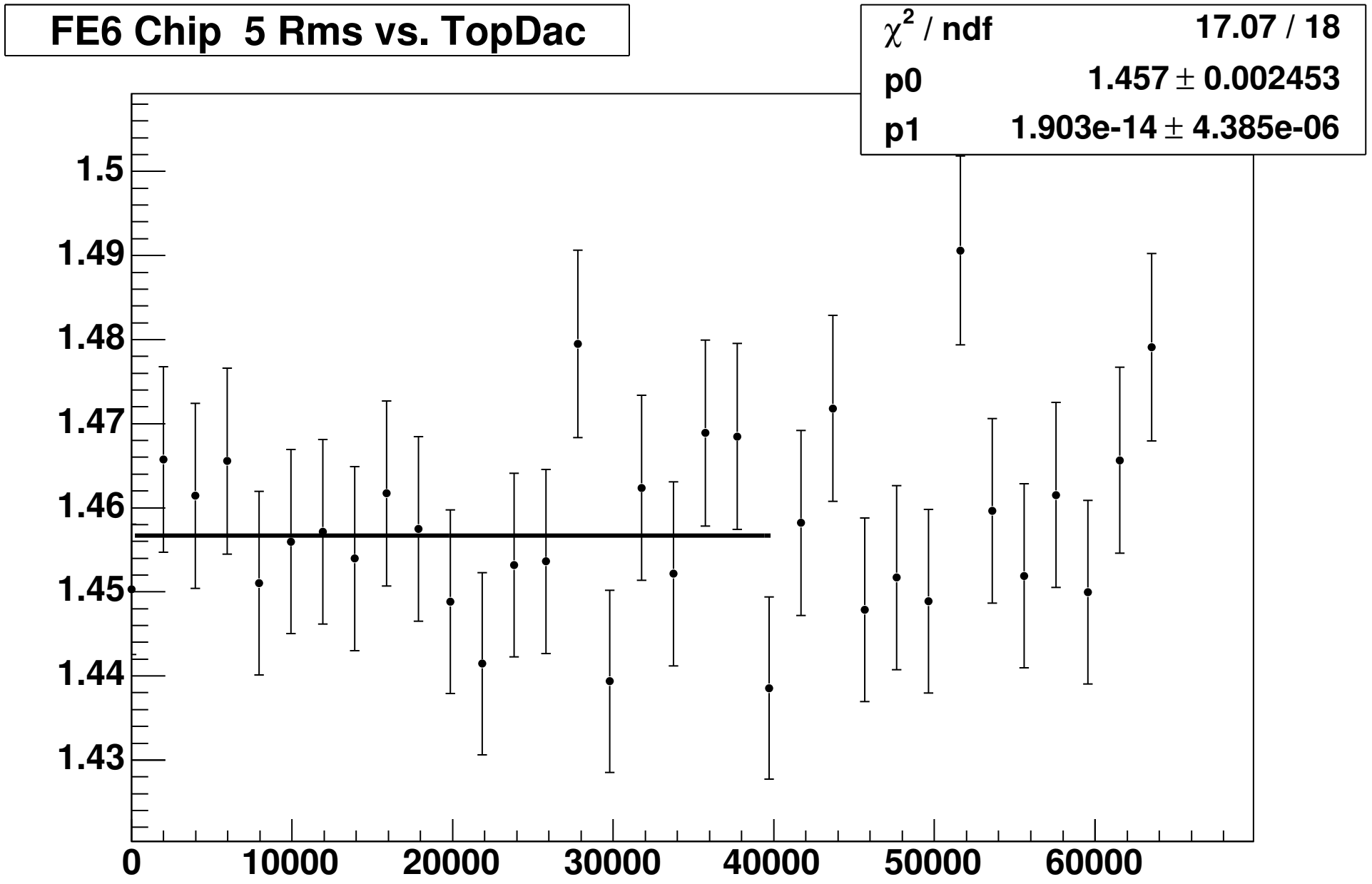
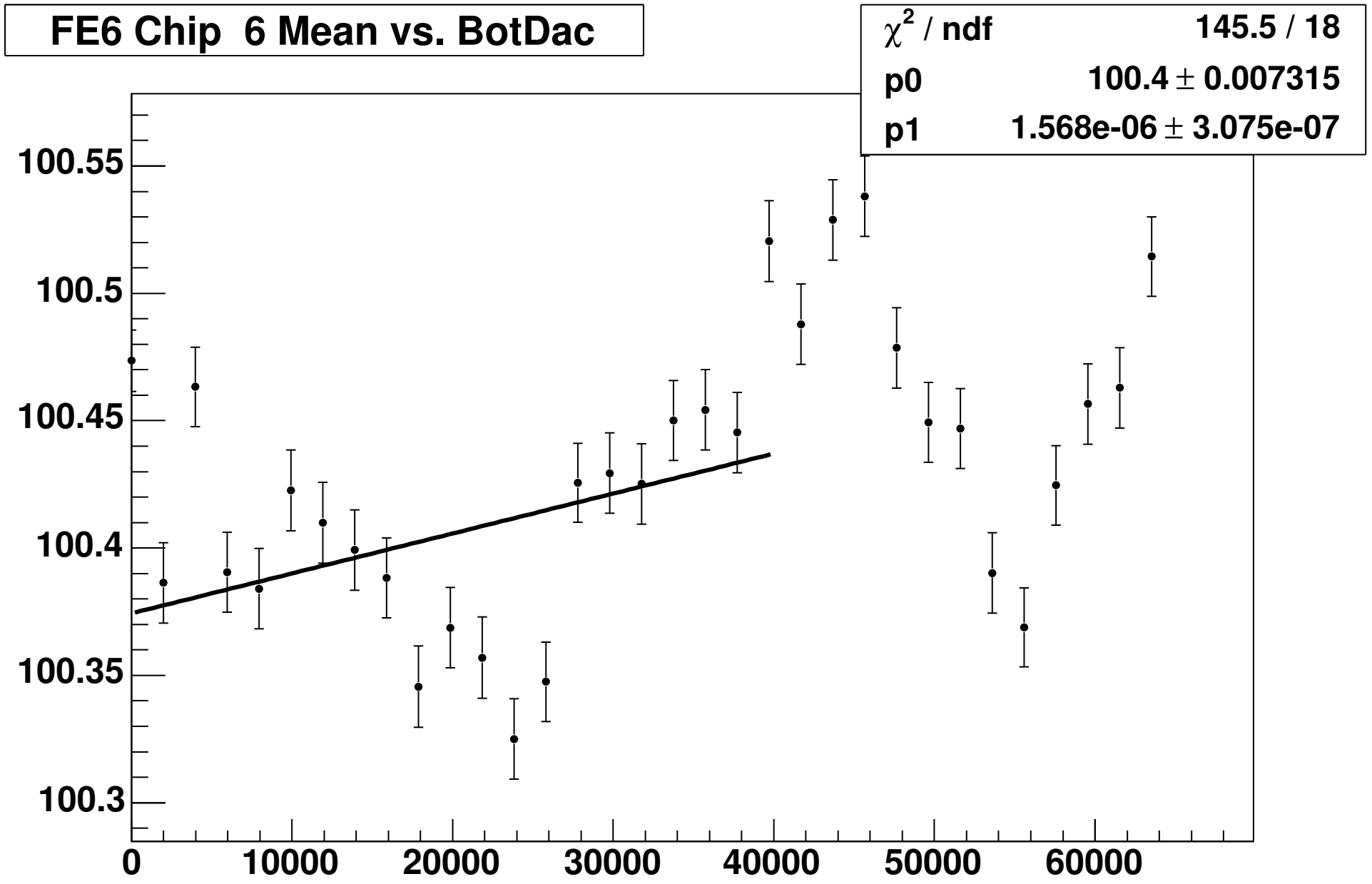
60000

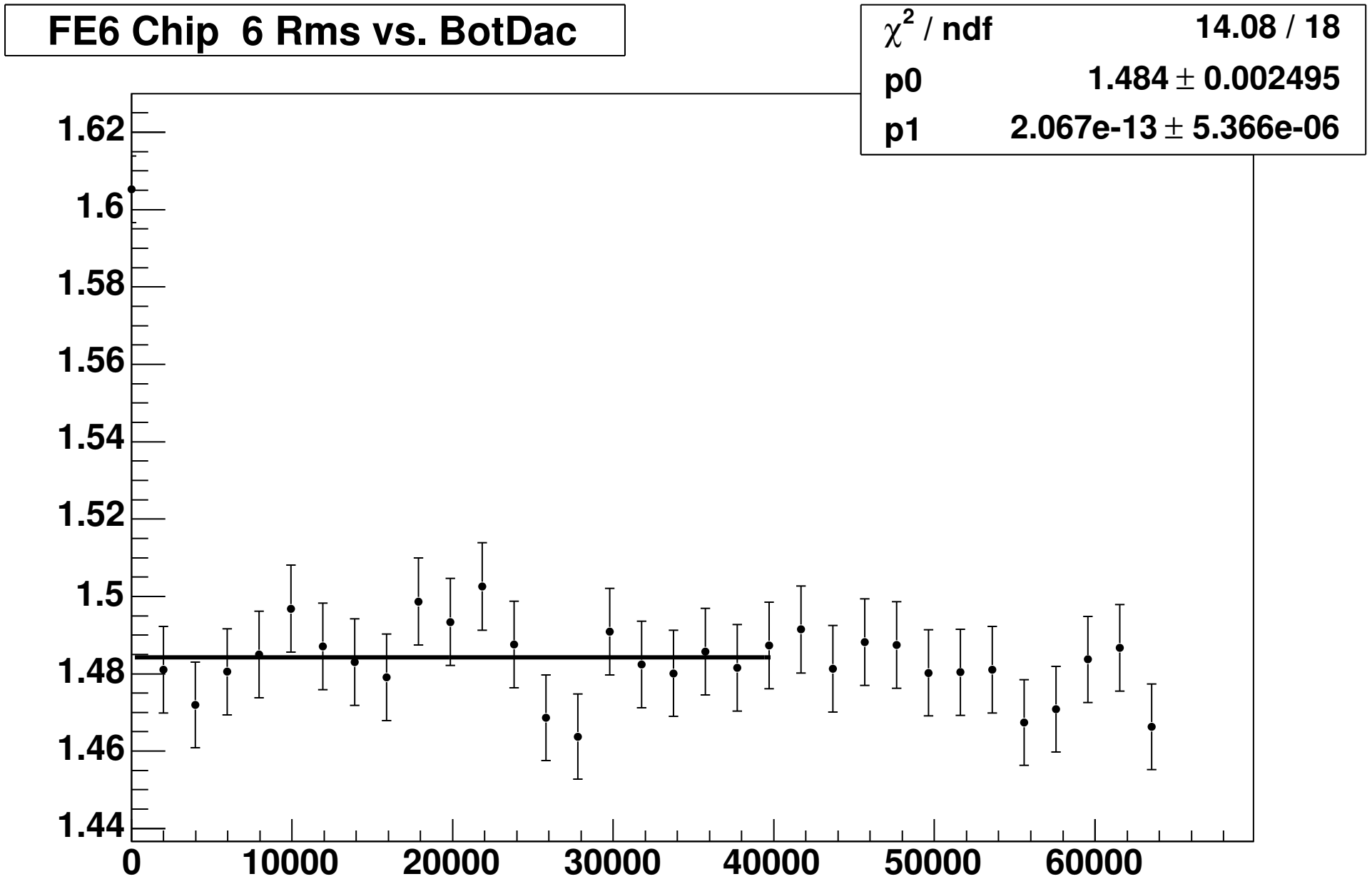

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 5.697e+04 / 18
p0 -3.132 ± 0.007258
p1 0.4507 ± 3.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

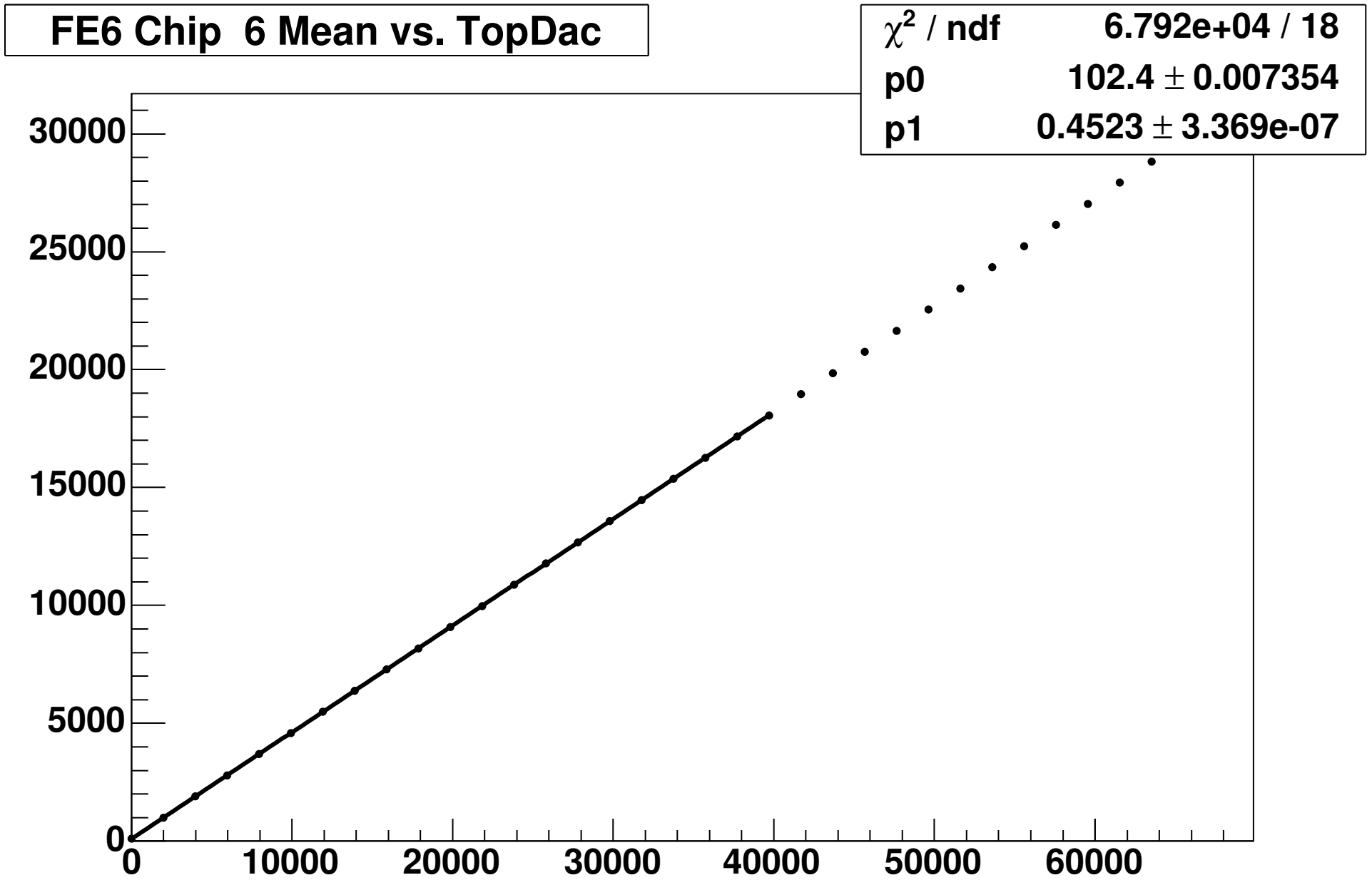

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 337.4 / 18
p0 1.35 ± 0.003972
p1 3.661e-05 ± 2.718e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

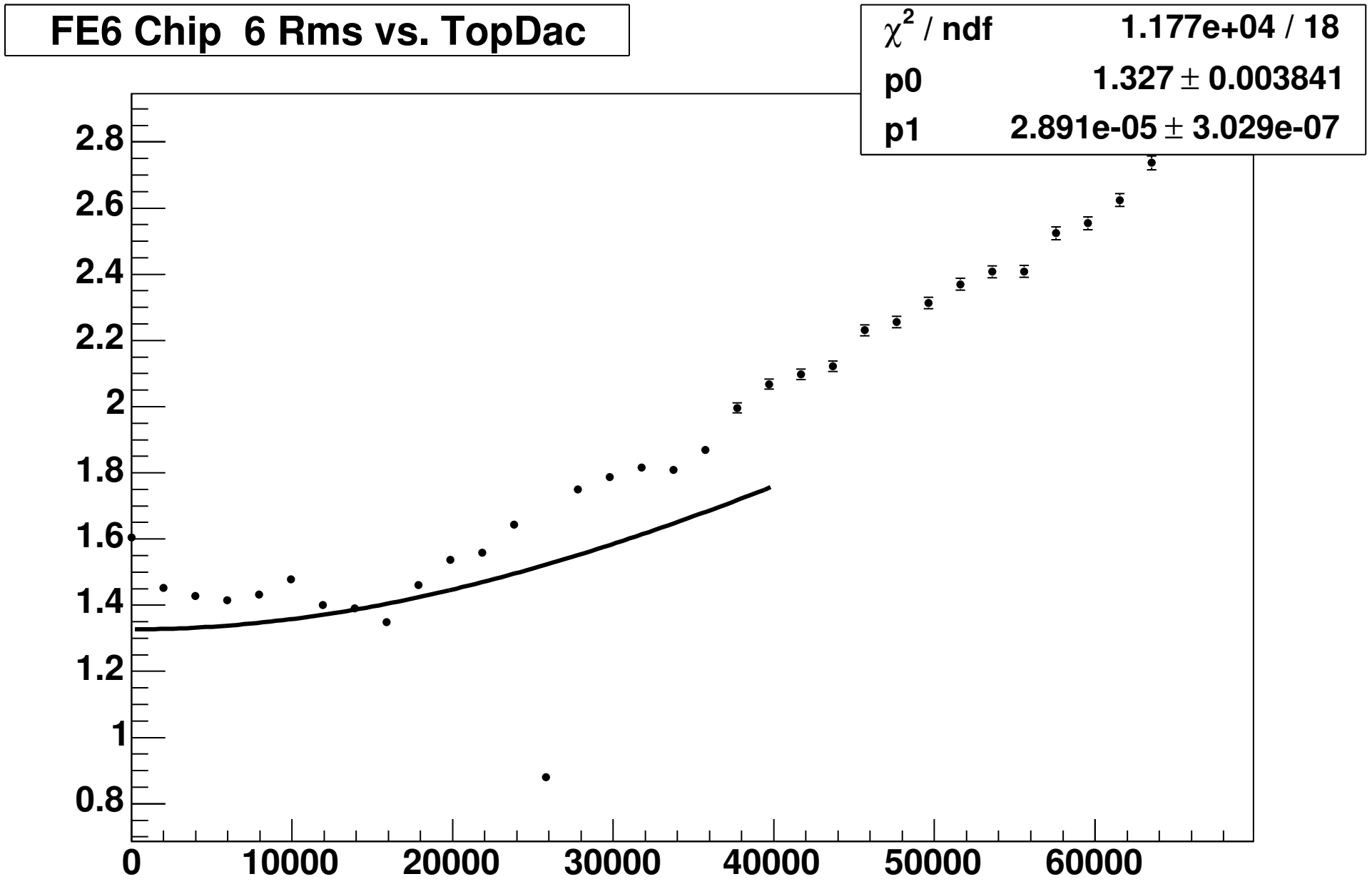

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 130.5 / 18
p0 -4.228 ± 0.007198
p1 -3.453e-06 ± 3.026e-07
-4.15
-4.2
-4.25
-4.3
-4.35
-4.4
-4.45
-4.5
-4.55
0
10000
20000
30000
40000
50000
60000

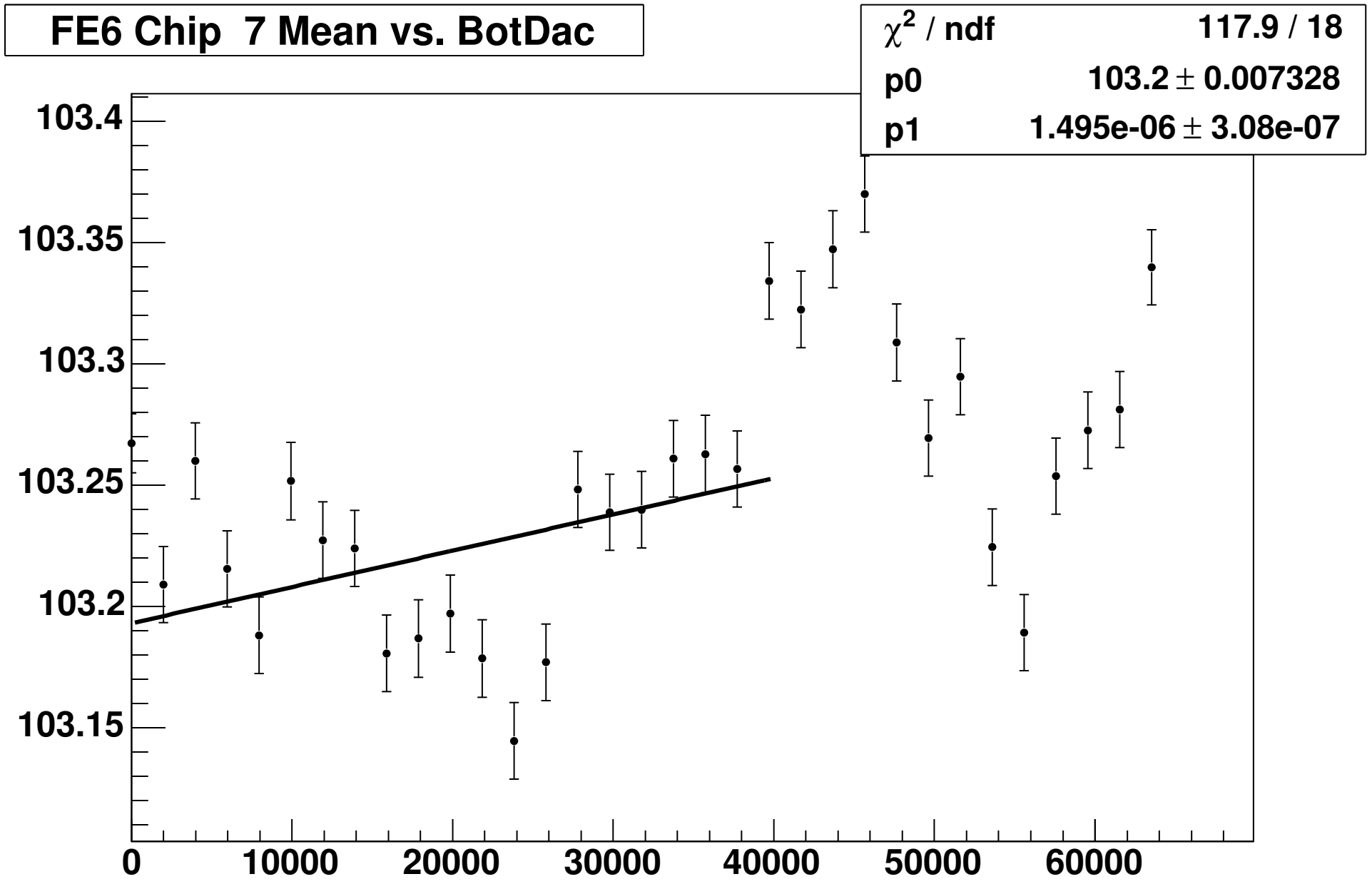

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 17.07 / 18
p0 1.457 ± 0.002453
p1 1.903e-14 ± 4.385e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

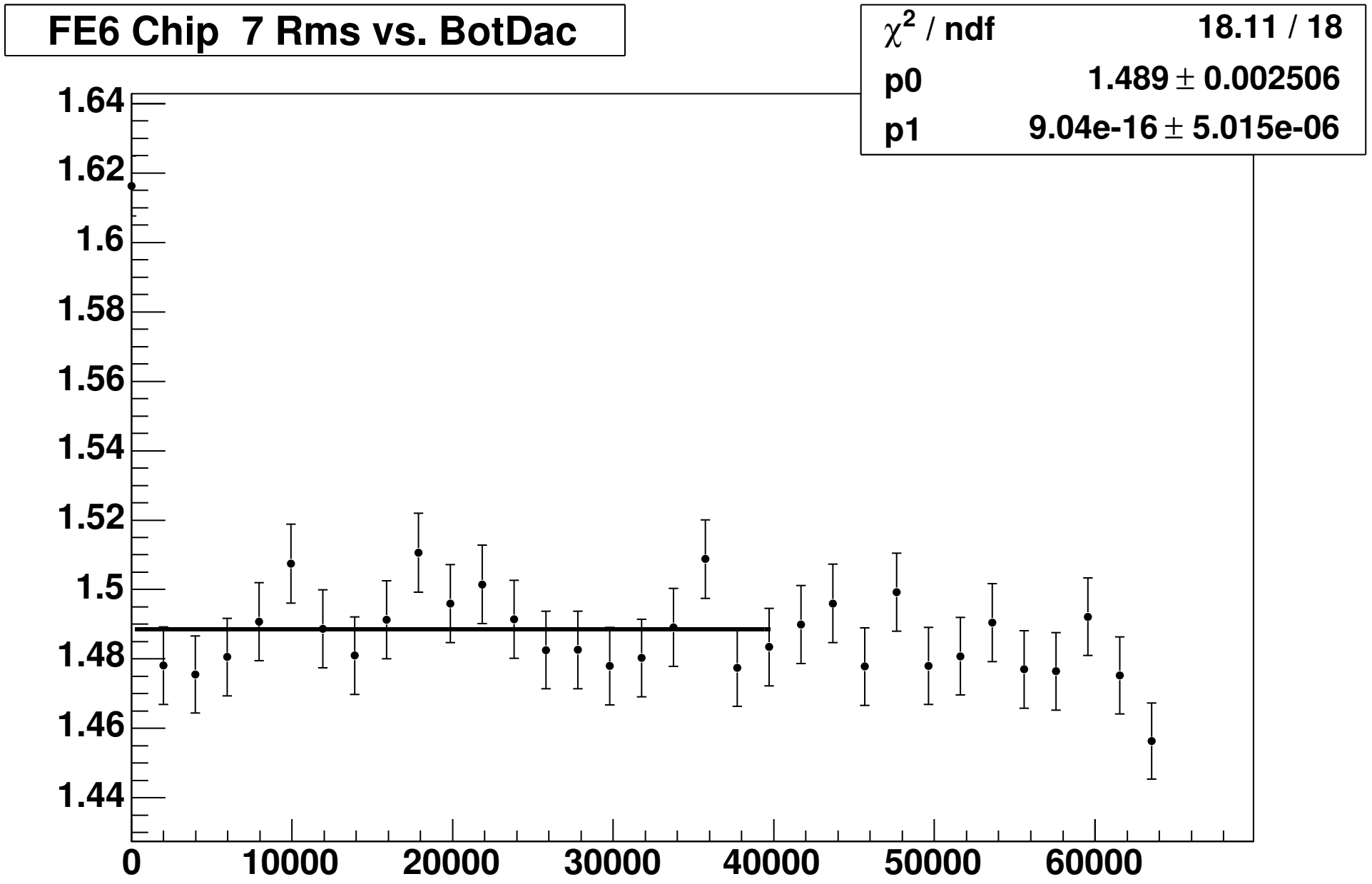

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 145.5 / 18
p0 100.4 ± 0.007315
p1 1.568e-06 ± 3.075e-07
100.55
100.5
100.45
100.4
100.35
100.3
0
10000
20000
30000
40000
50000
60000

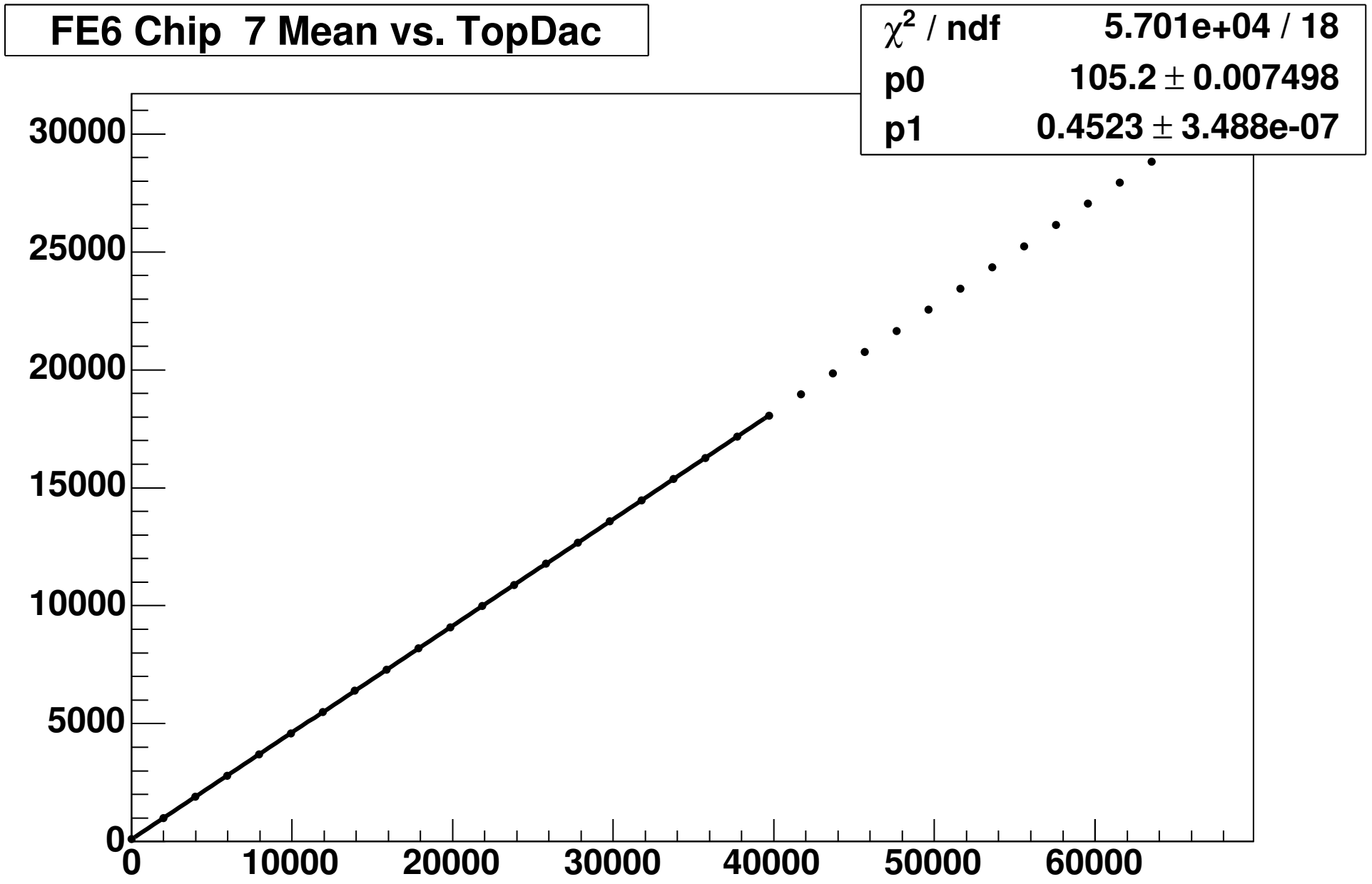

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 14.08 / 18
p0 1.484 ± 0.002495
p1 2.067e-13 ± 5.366e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

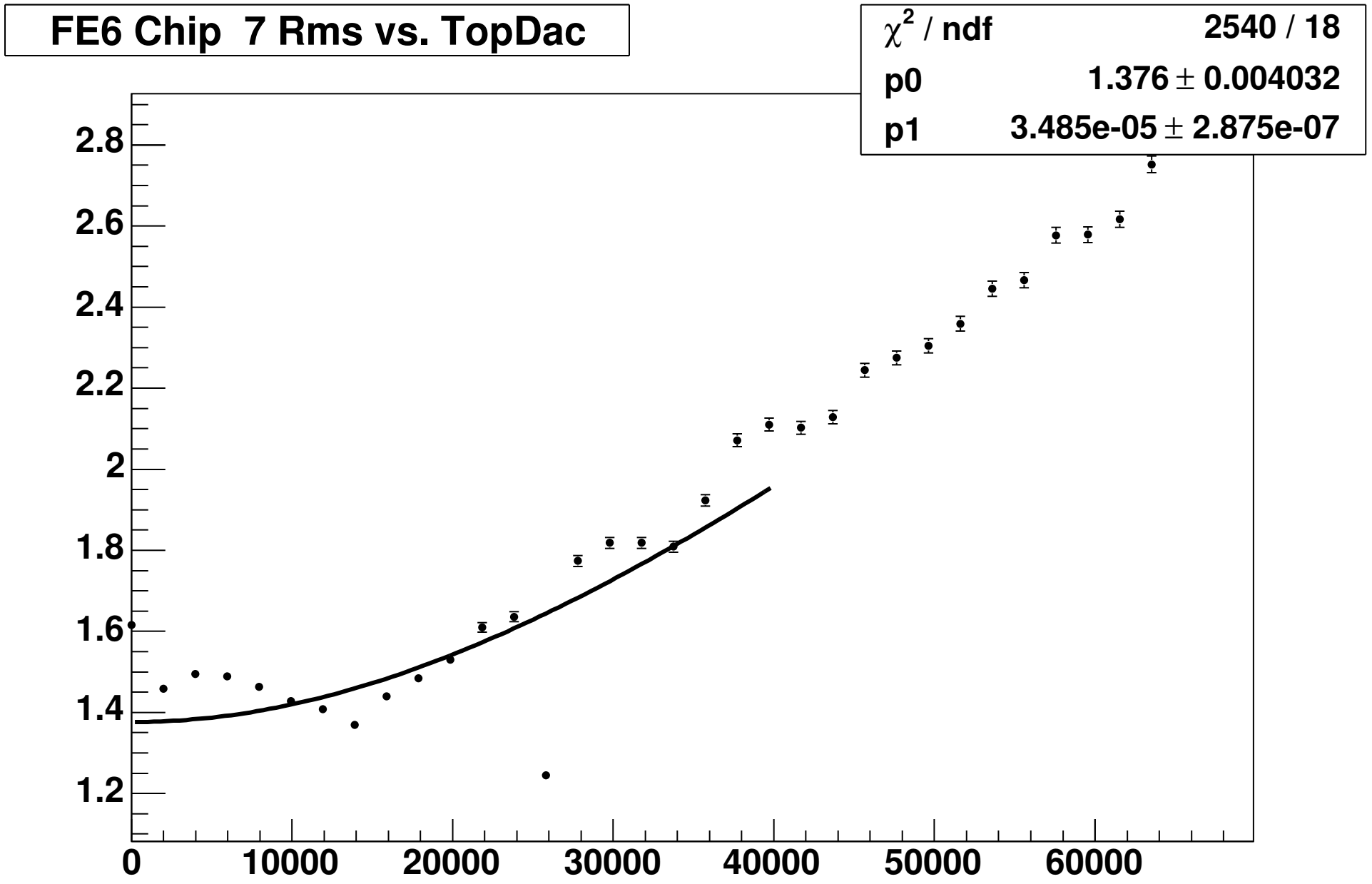

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 6.792e+04 / 18
p0 102.4 ± 0.007354
p1 0.4523 ± 3.369e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

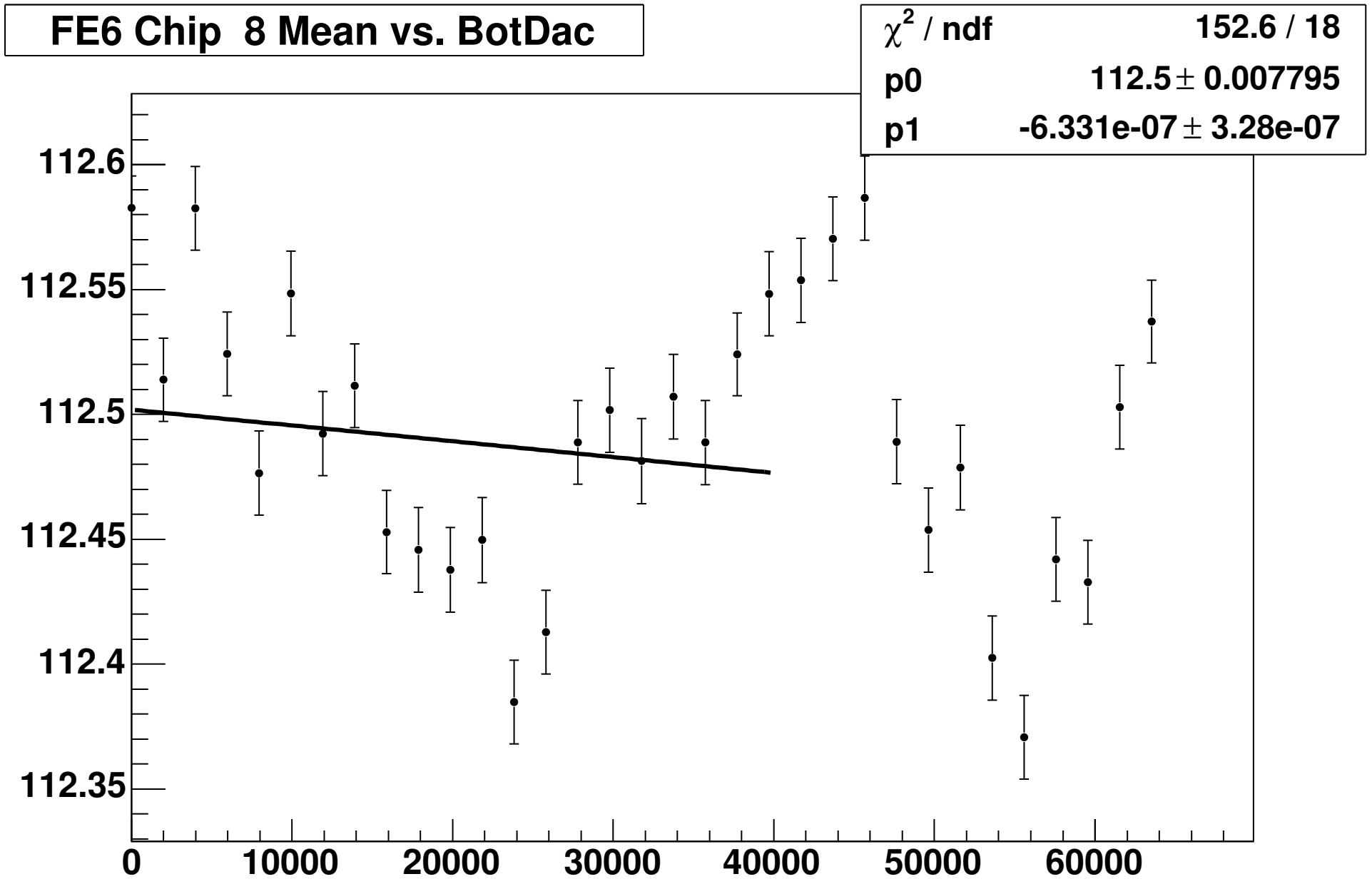

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1.177e+04 / 18
p0 1.327 ± 0.003841
p1 2.891e-05 ± 3.029e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000

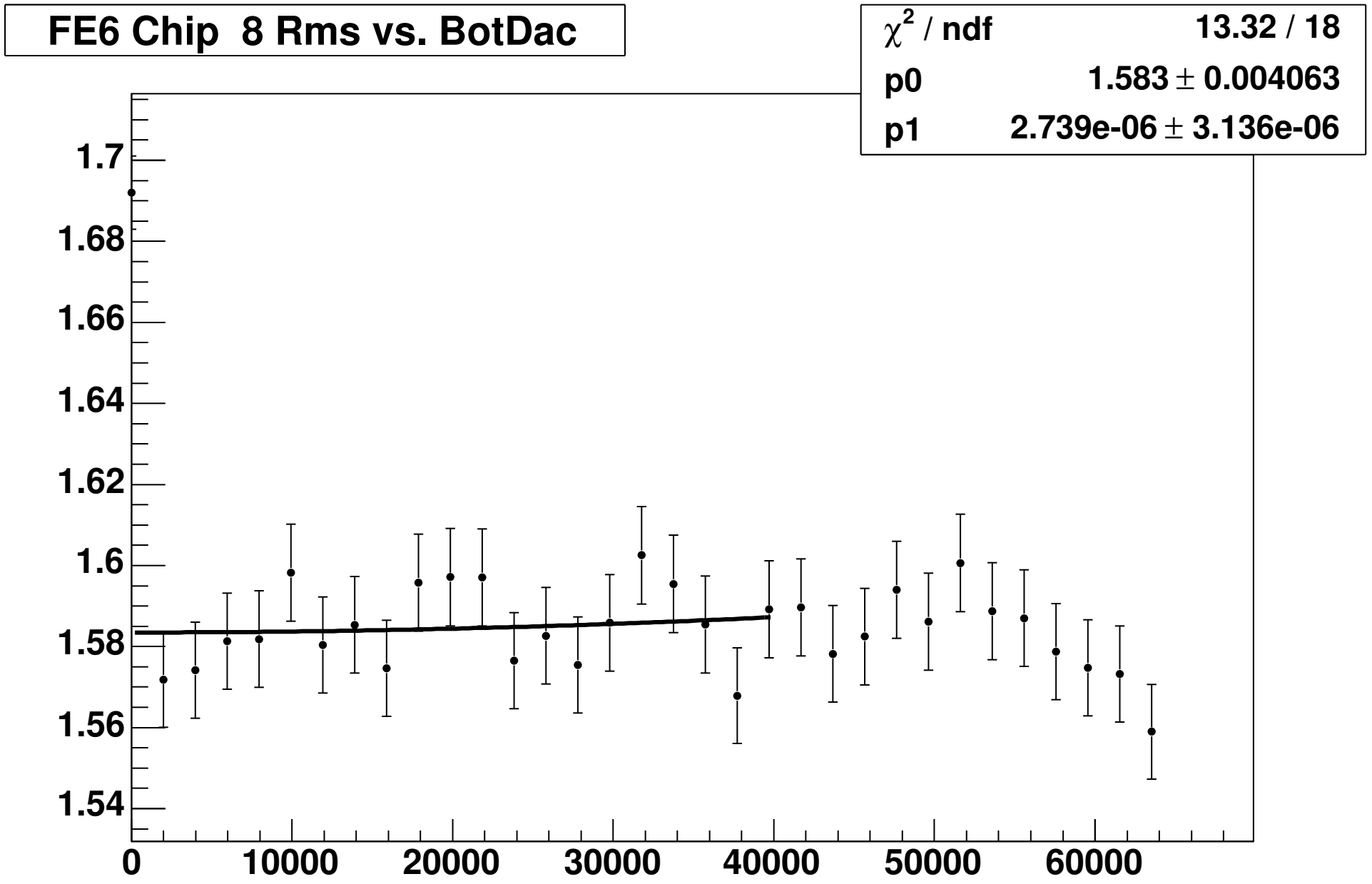

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 117.9 / 18
p0 103.2 ± 0.007328
p1 1.495e-06 ± 3.08e-07
103.4
103.35
103.3
103.25
103.2
103.15
0
10000
20000
30000
40000
50000
60000

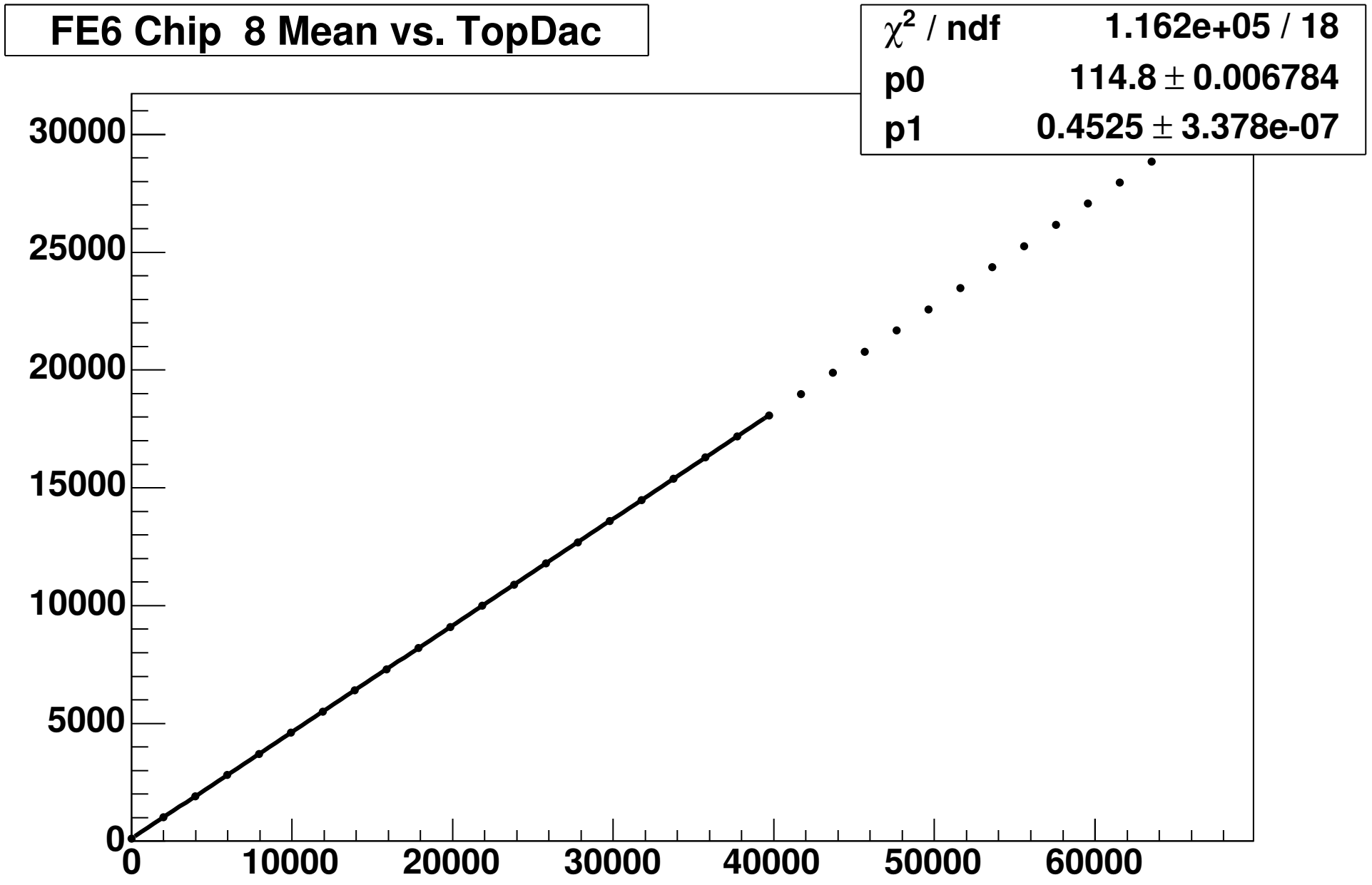

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 18.11 / 18
p0 1.489 ± 0.002506
p1 9.04e-16 ± 5.015e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

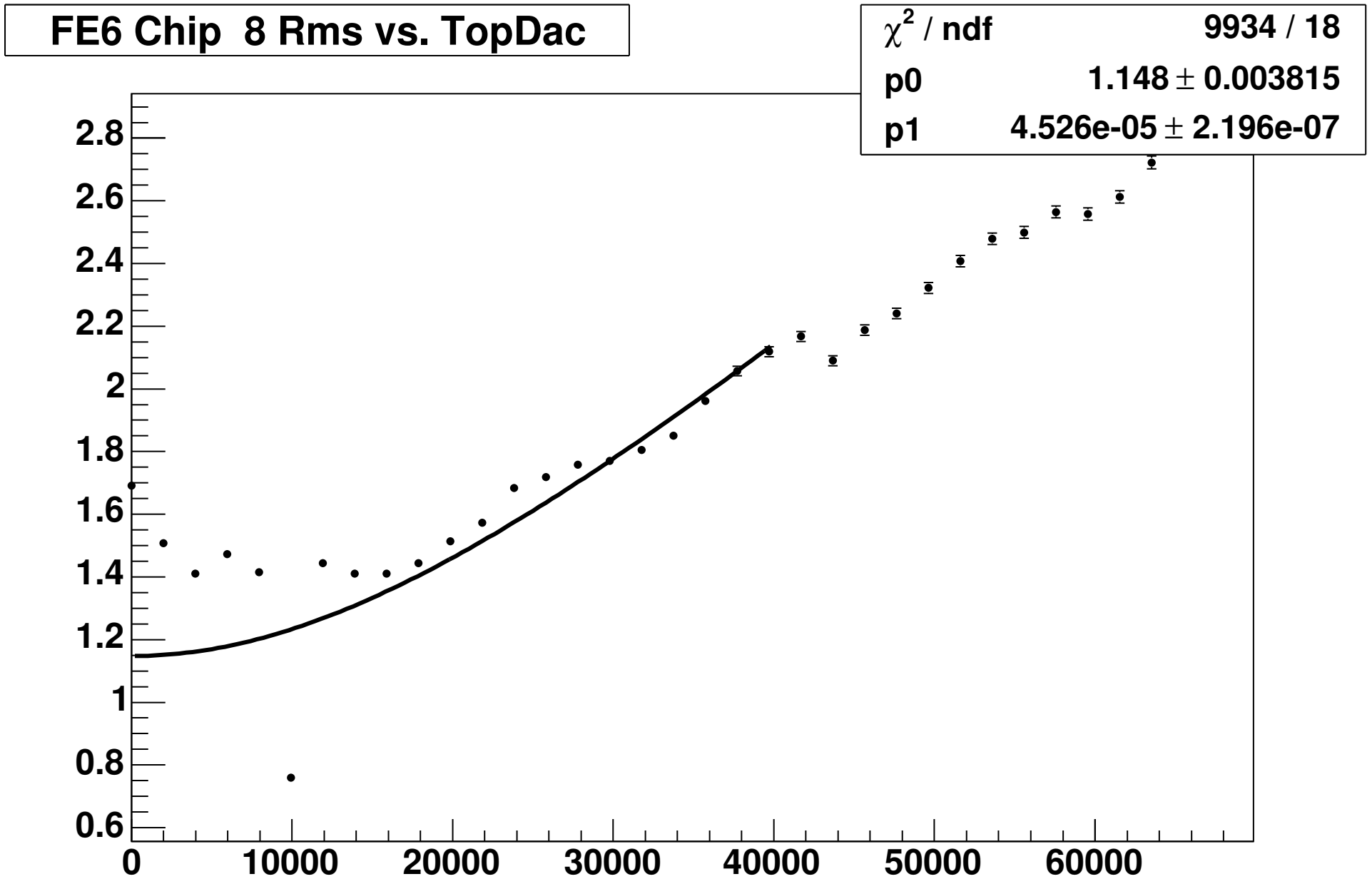

FE6 Chip 7 Mean vs. TopDac
χ^2 / ndf 5.701e+04 / 18
p0 105.2 ± 0.007498
p1 0.4523 ± 3.488e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 2540 / 18
p0 1.376 ± 0.004032
p1 3.485e-05 ± 2.875e-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


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 152.6 / 18
p0 112.5 ± 0.007795
p1 -6.331e-07 ± 3.28e-07
112.6
112.55
112.5
112.45
112.4
112.35
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 13.32 / 18
p0 1.583 ± 0.004063
p1 2.739e-06 ± 3.136e-06
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.162e+05 / 18
p0 114.8 ± 0.006784
p1 0.4525 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. TopDac
χ^2 / ndf 9934 / 18
p0 1.148 ± 0.003815
p1 4.526e-05 ± 2.196e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
10000
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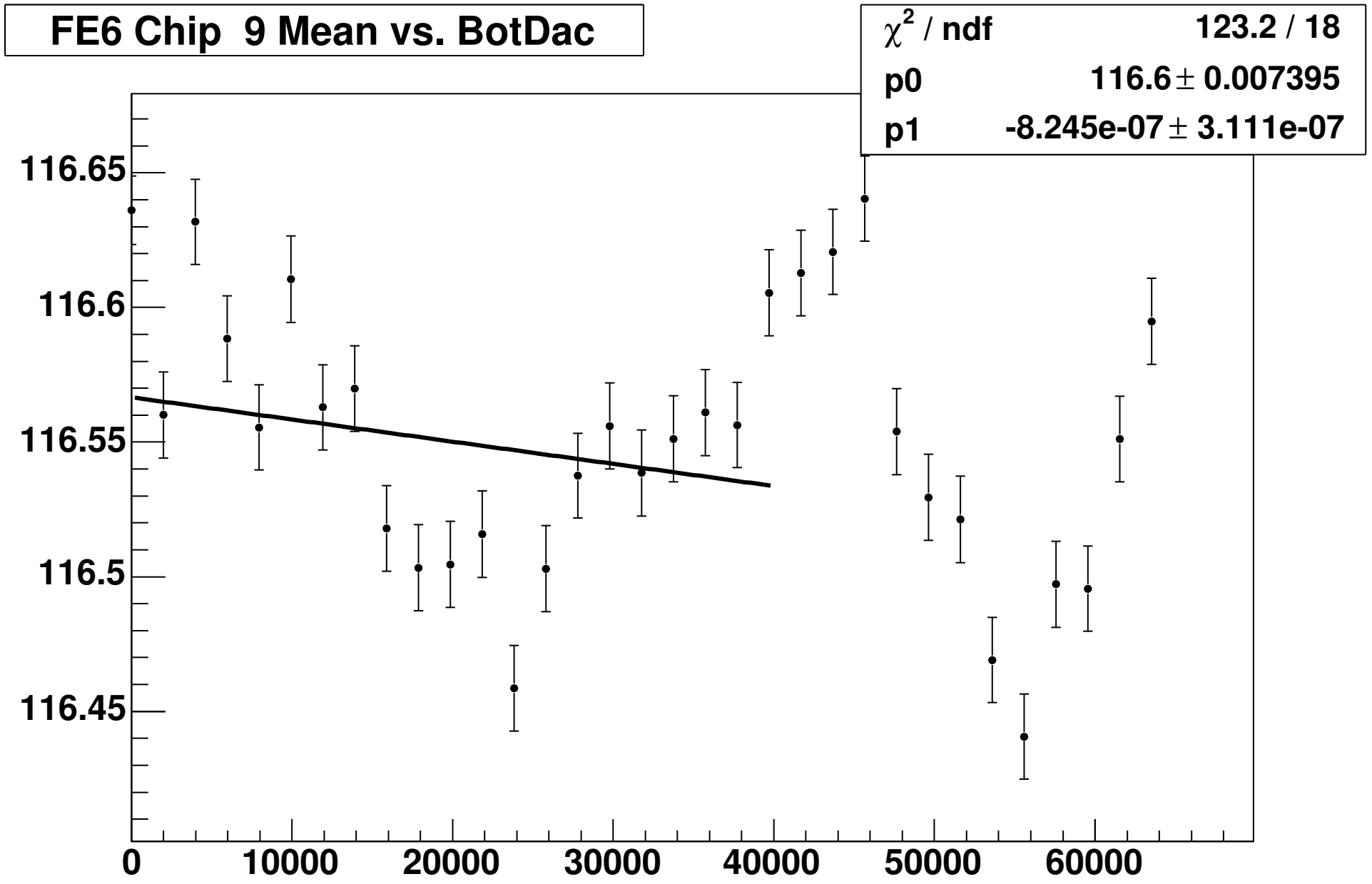
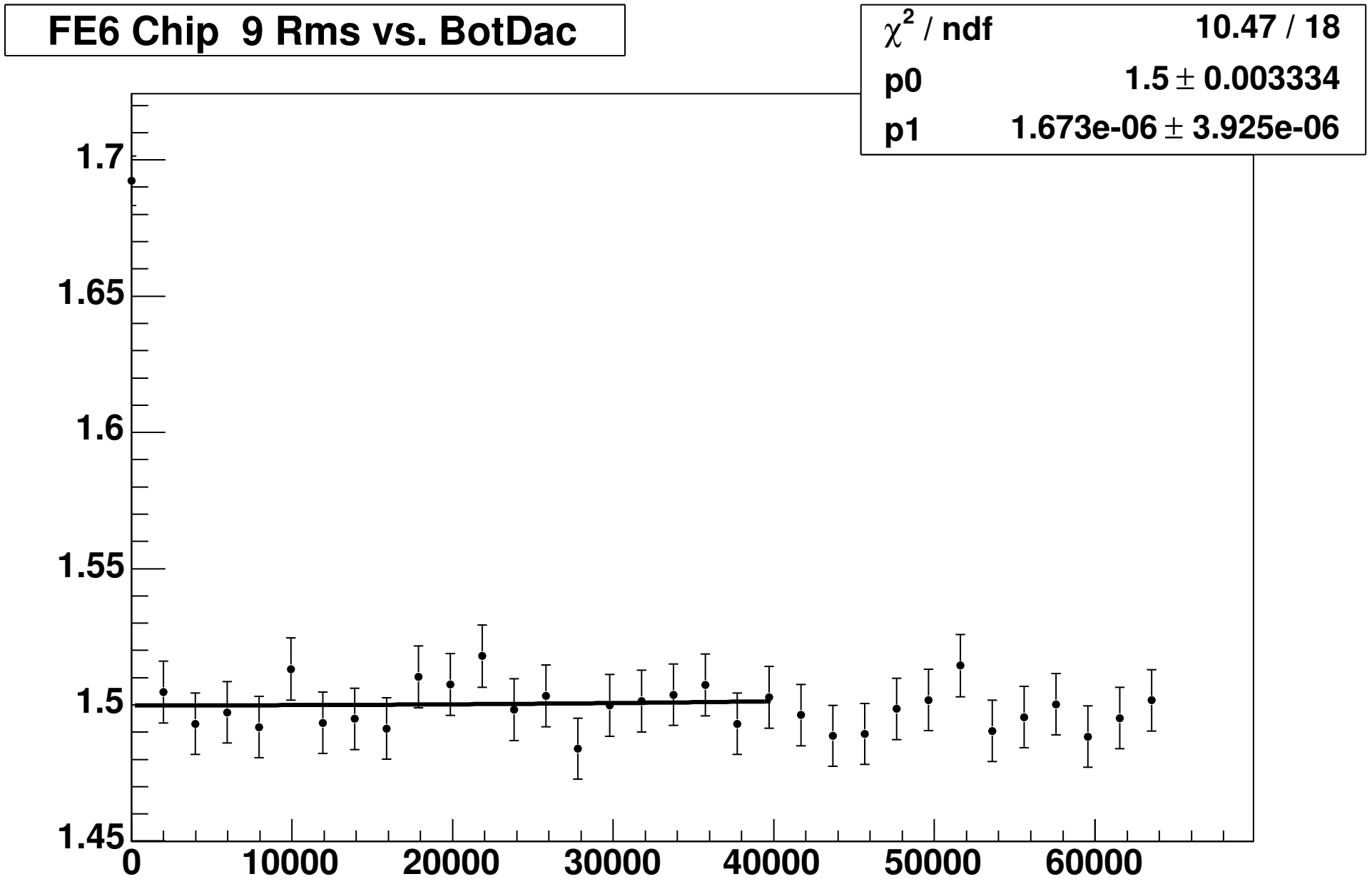
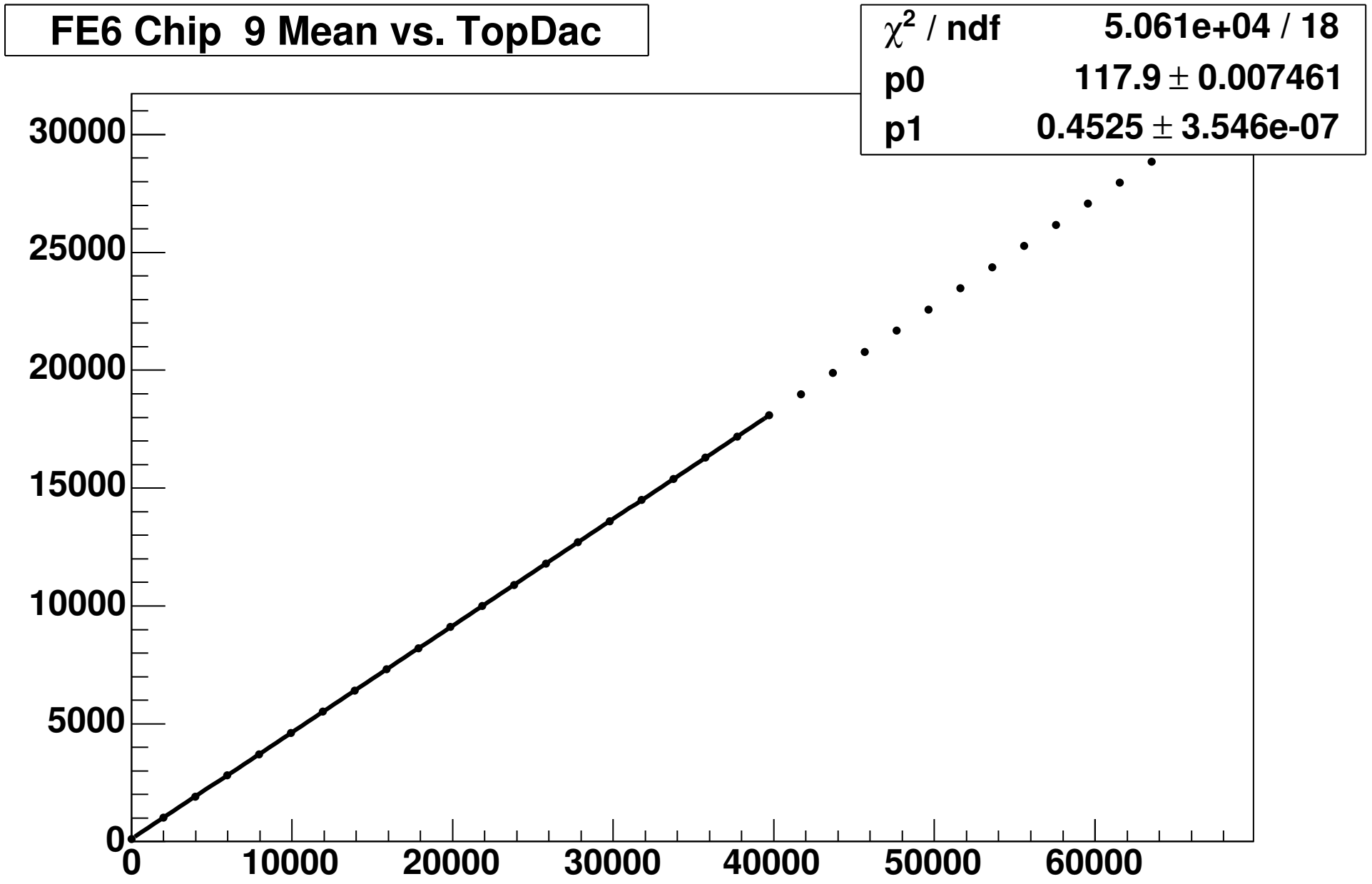
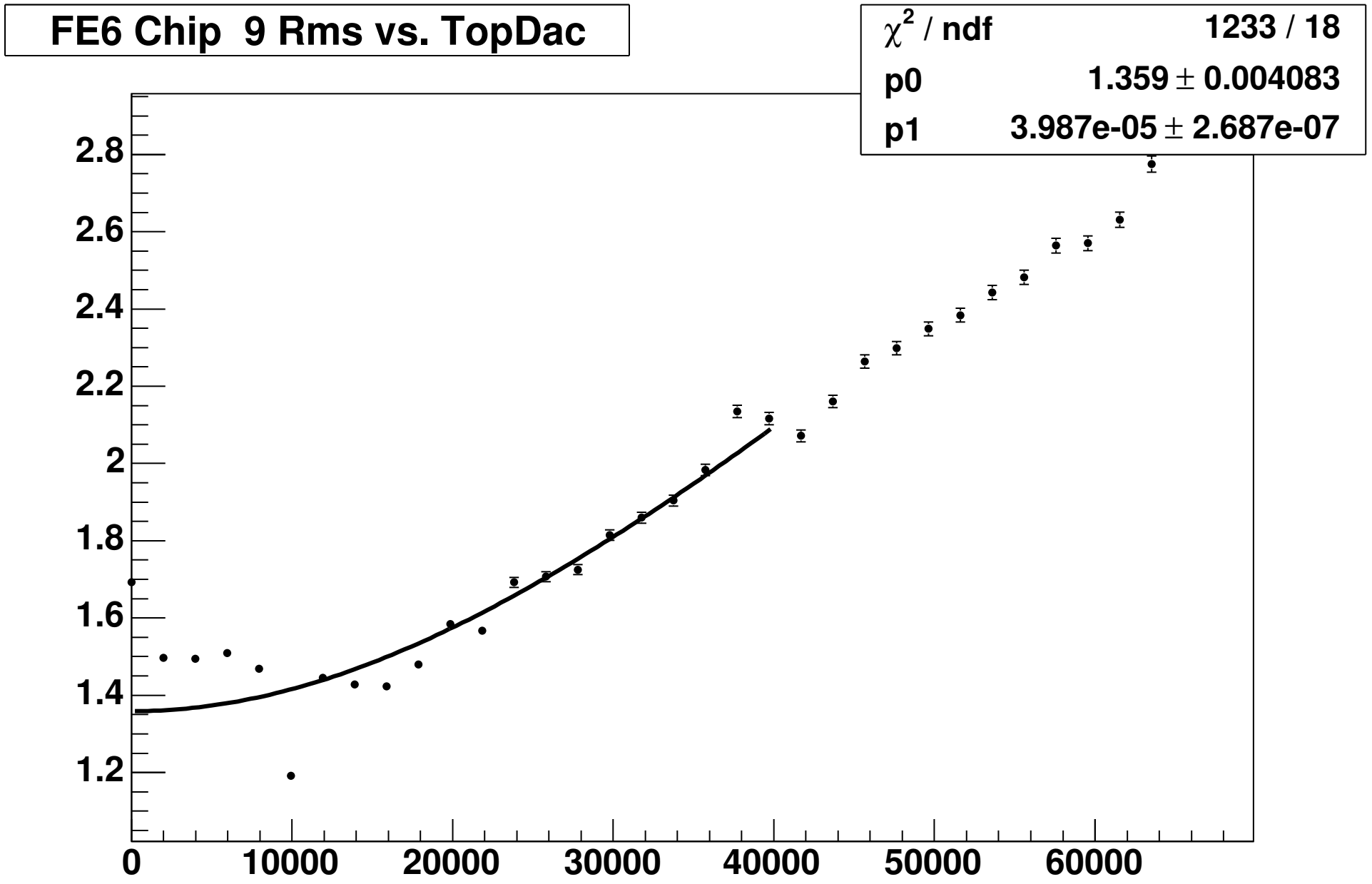

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 123.2 / 18
p0 116.6 ± 0.007395
p1 -8.245e-07 ± 3.111e-07
116.65
116.6
116.55
116.5
116.45
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ^2 / ndf 10.47 / 18
p0 1.5 ± 0.003334
p1 1.673e-06 ± 3.925e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 5.061e+04 / 18
p0 117.9 ± 0.007461
p1 0.4525 ± 3.546e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1233 / 18
p0 1.359 ± 0.004083
p1 3.987e-05 ± 2.687e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
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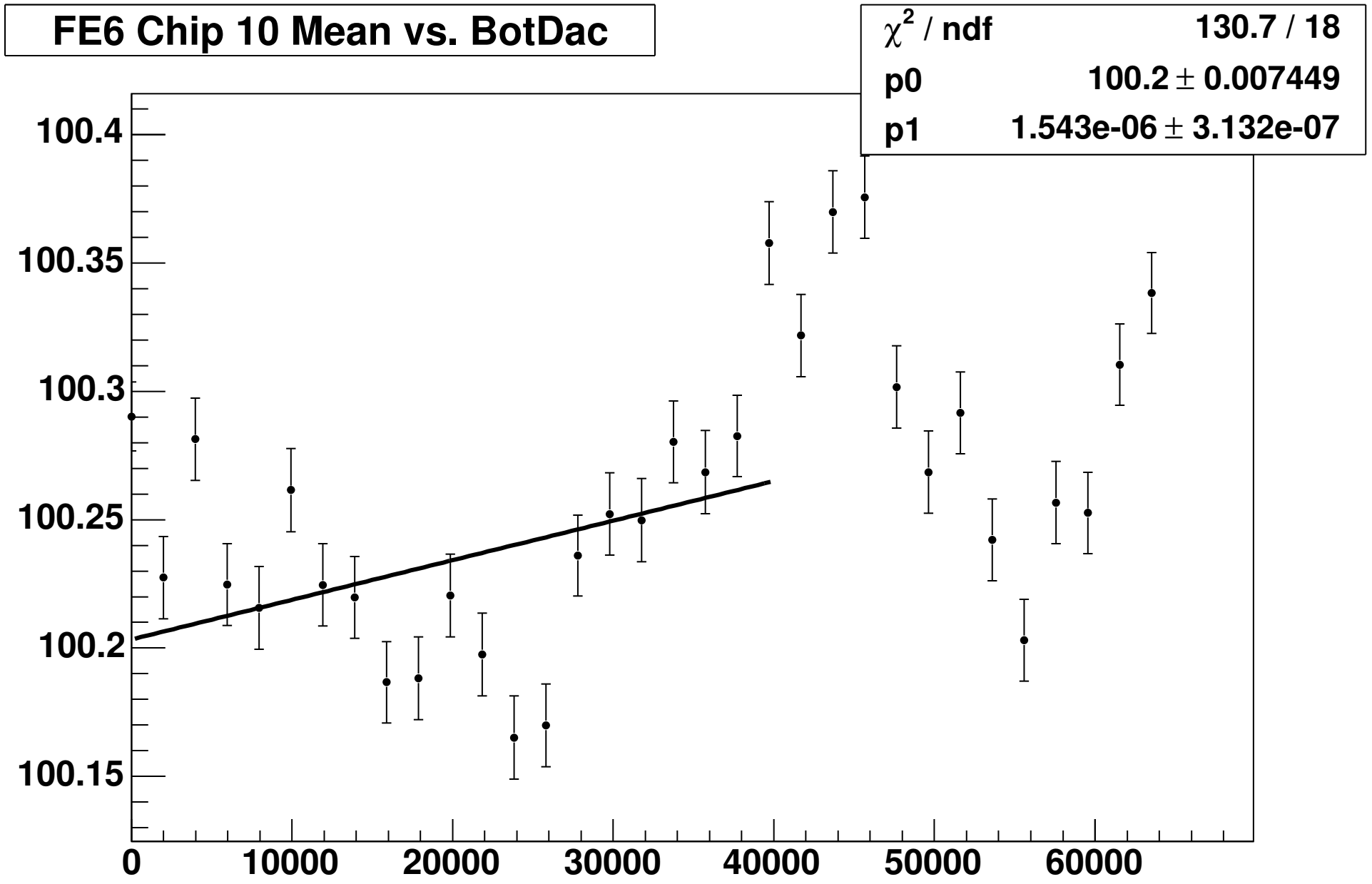
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 130.7 / 18
p0 100.2 ± 0.007449
p1 1.543e-06 ± 3.132e-07
100.4
100.35
100.3
100.25
100.2
100.15
0
10000
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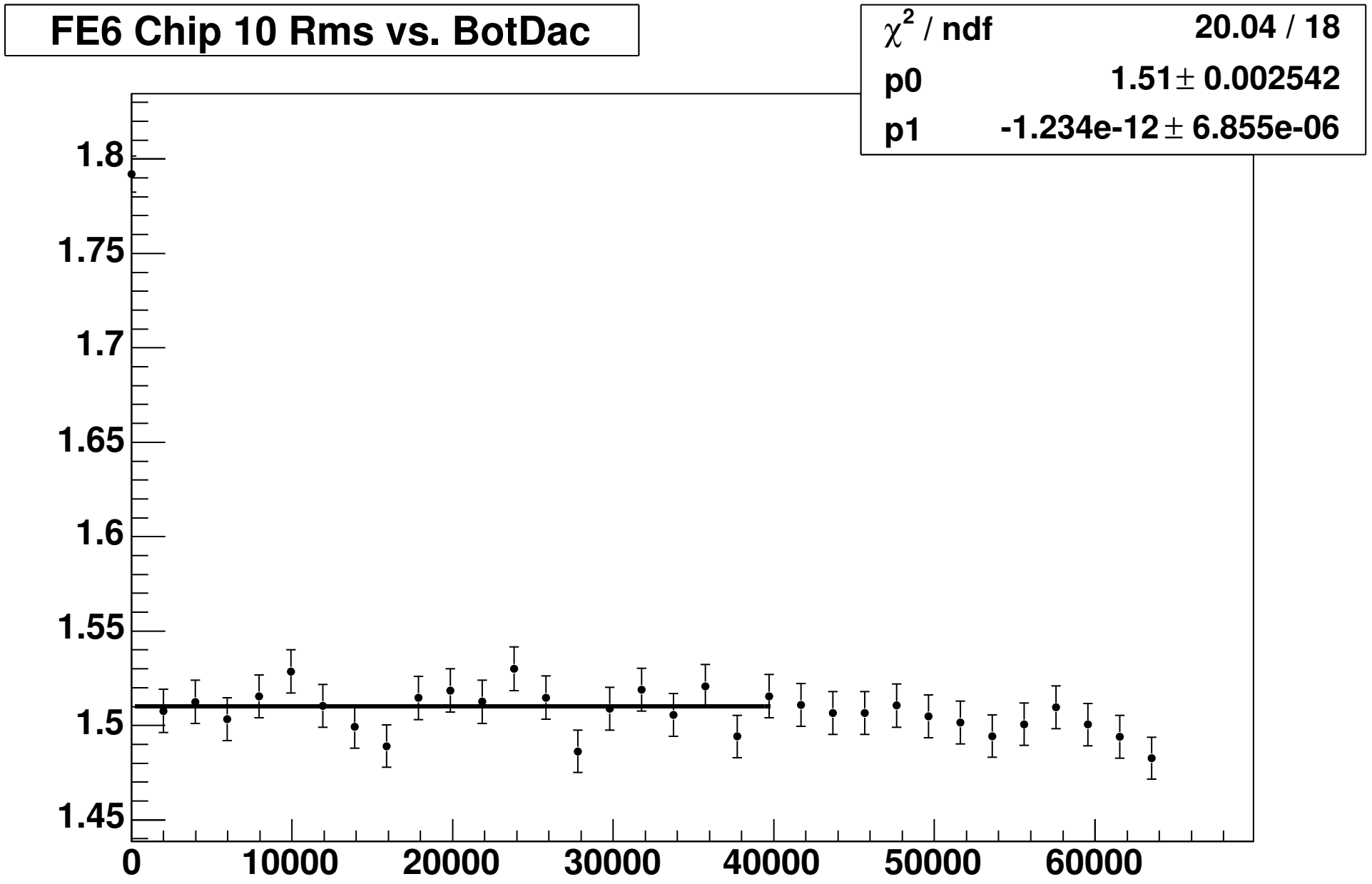
30000
40000
50000
60000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 20.04 / 18
p0 1.51 ± 0.002542
p1 -1.234e-12 ± 6.855e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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30000
40000
50000
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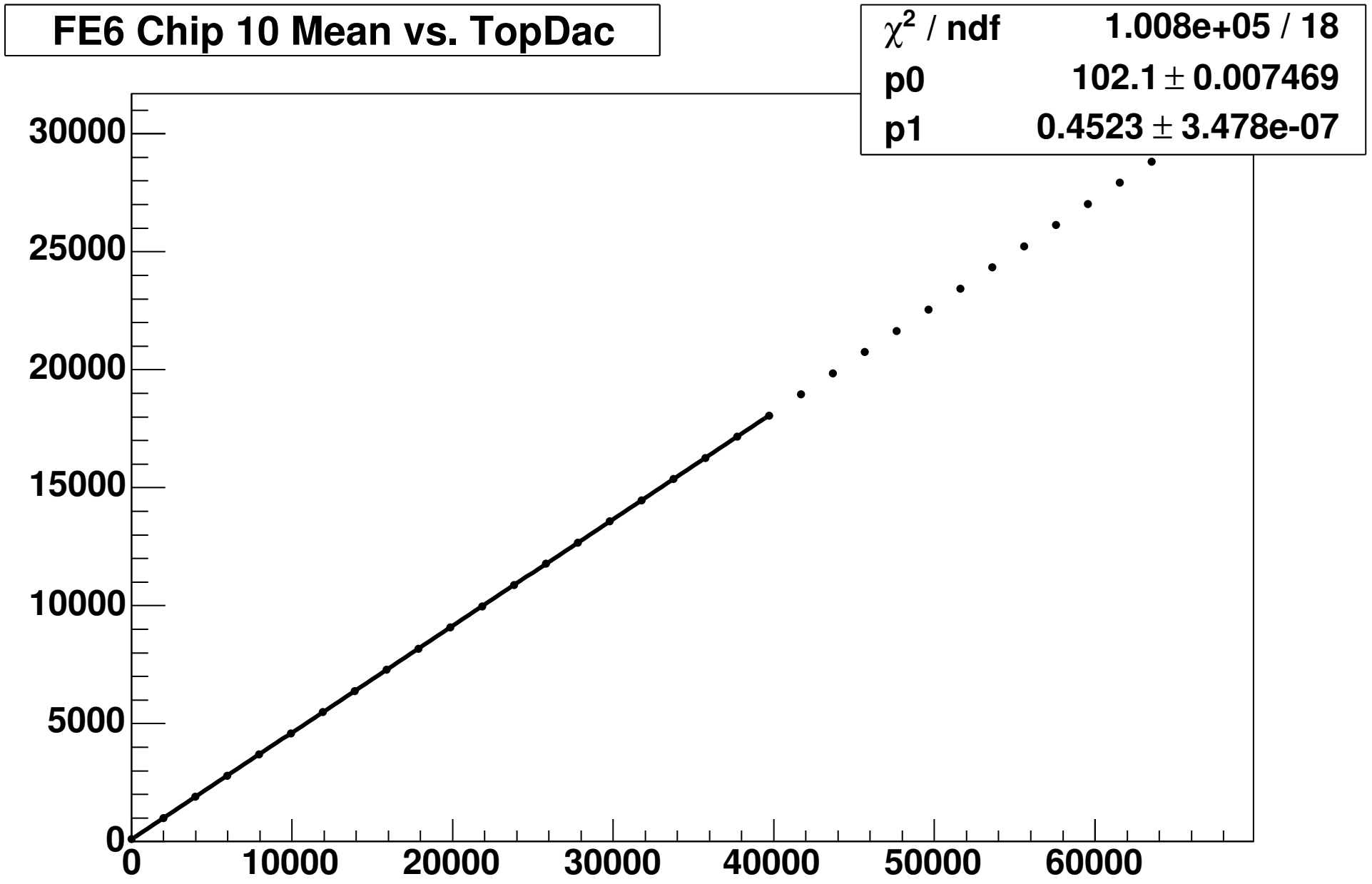
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.008e+05 / 18
p0 102.1 ± 0.007469
p1 0.4523 ± 3.478e-07
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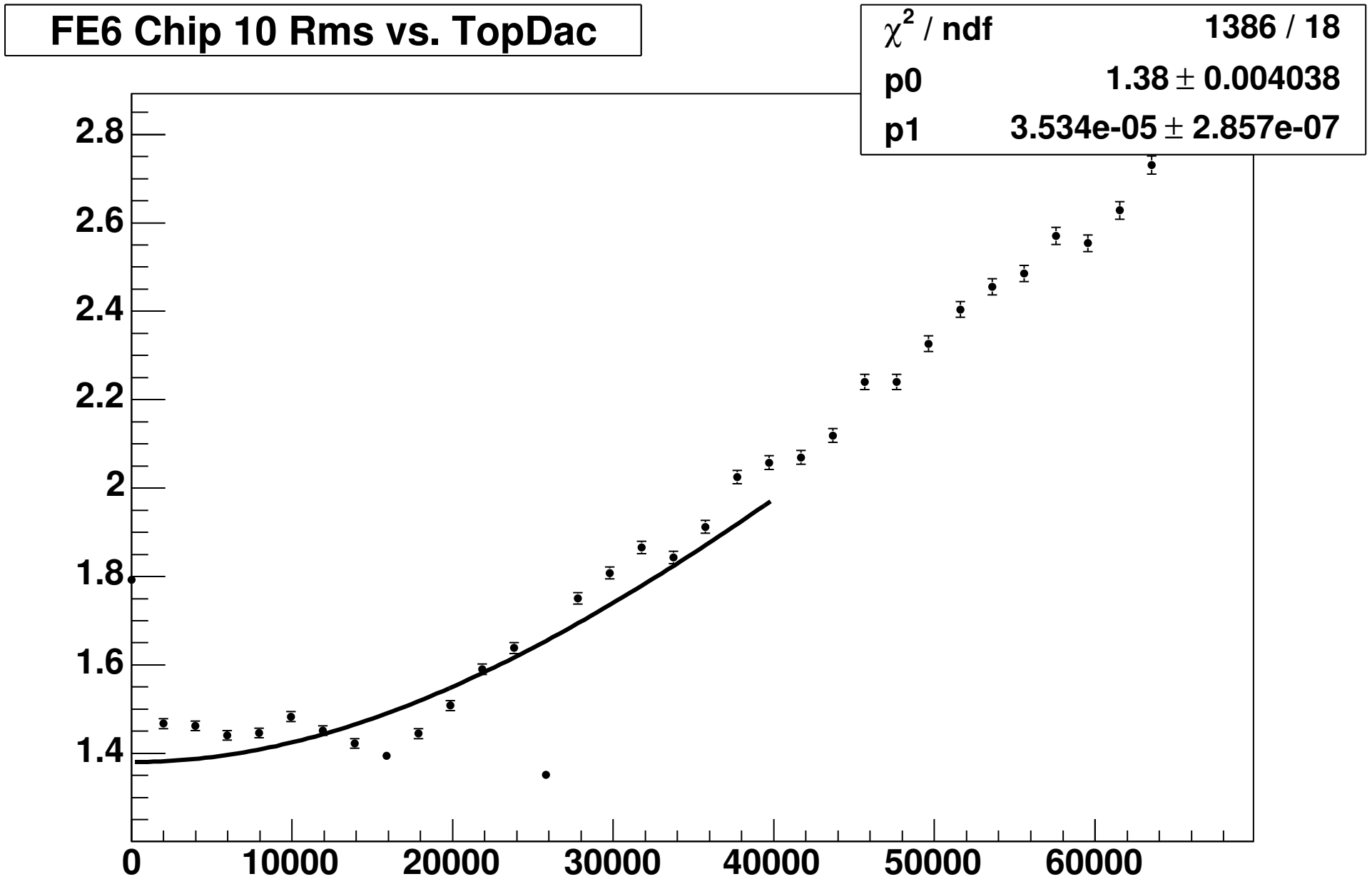
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1386 / 18
p0 1.38 ± 0.004038
p1 3.534e-05 ± 2.857e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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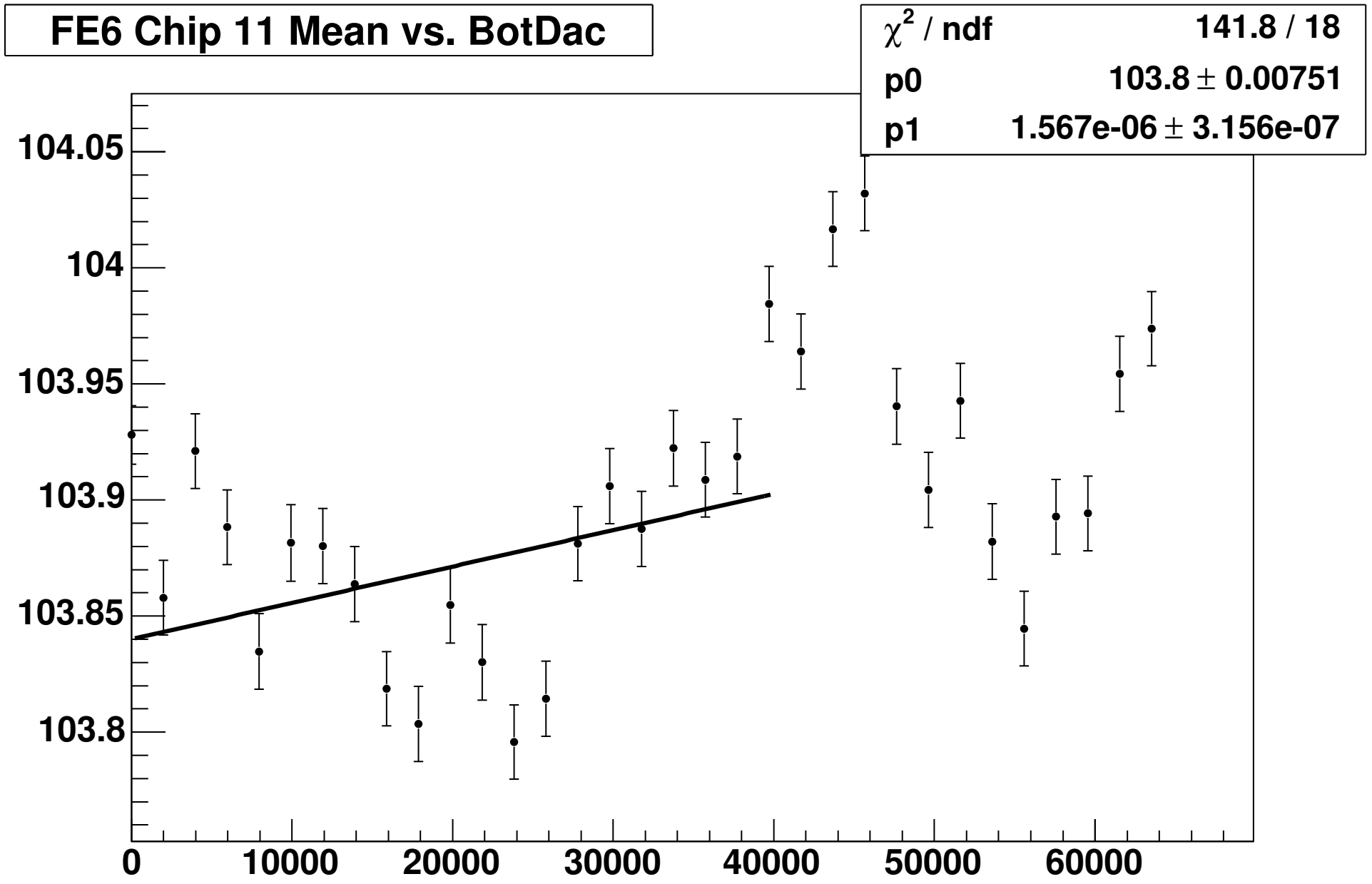
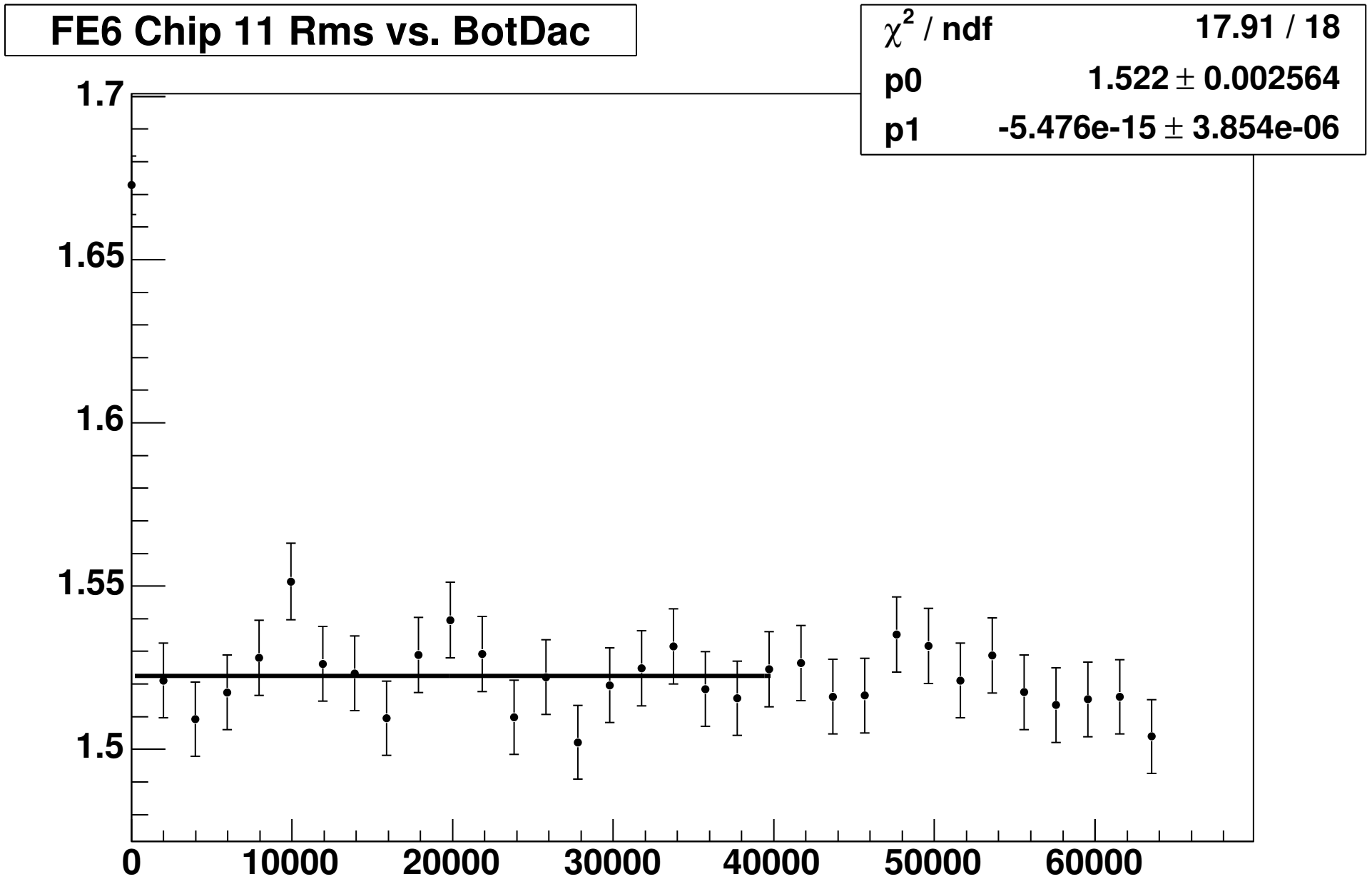
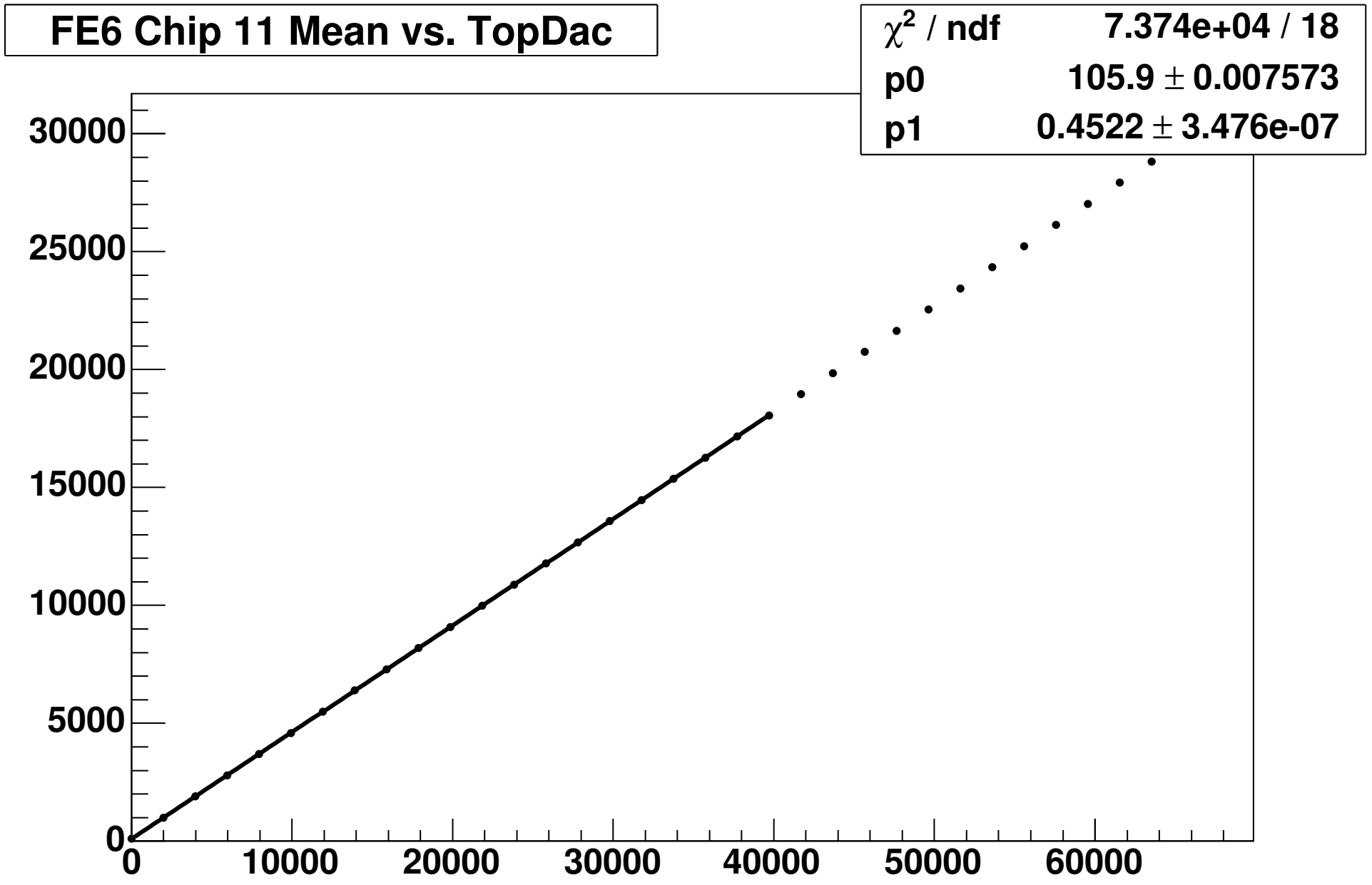
40000
50000
60000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 141.8 / 18
p0 103.8 ± 0.00751
p1 1.567e-06 ± 3.156e-07
104.05
104
103.95
103.9
103.85
103.8
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 17.91 / 18
p0 1.522 ± 0.002564
p1 -5.476e-15 ± 3.854e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 7.374e+04 / 18
p0 105.9 ± 0.007573
p1 0.4522 ± 3.476e-07
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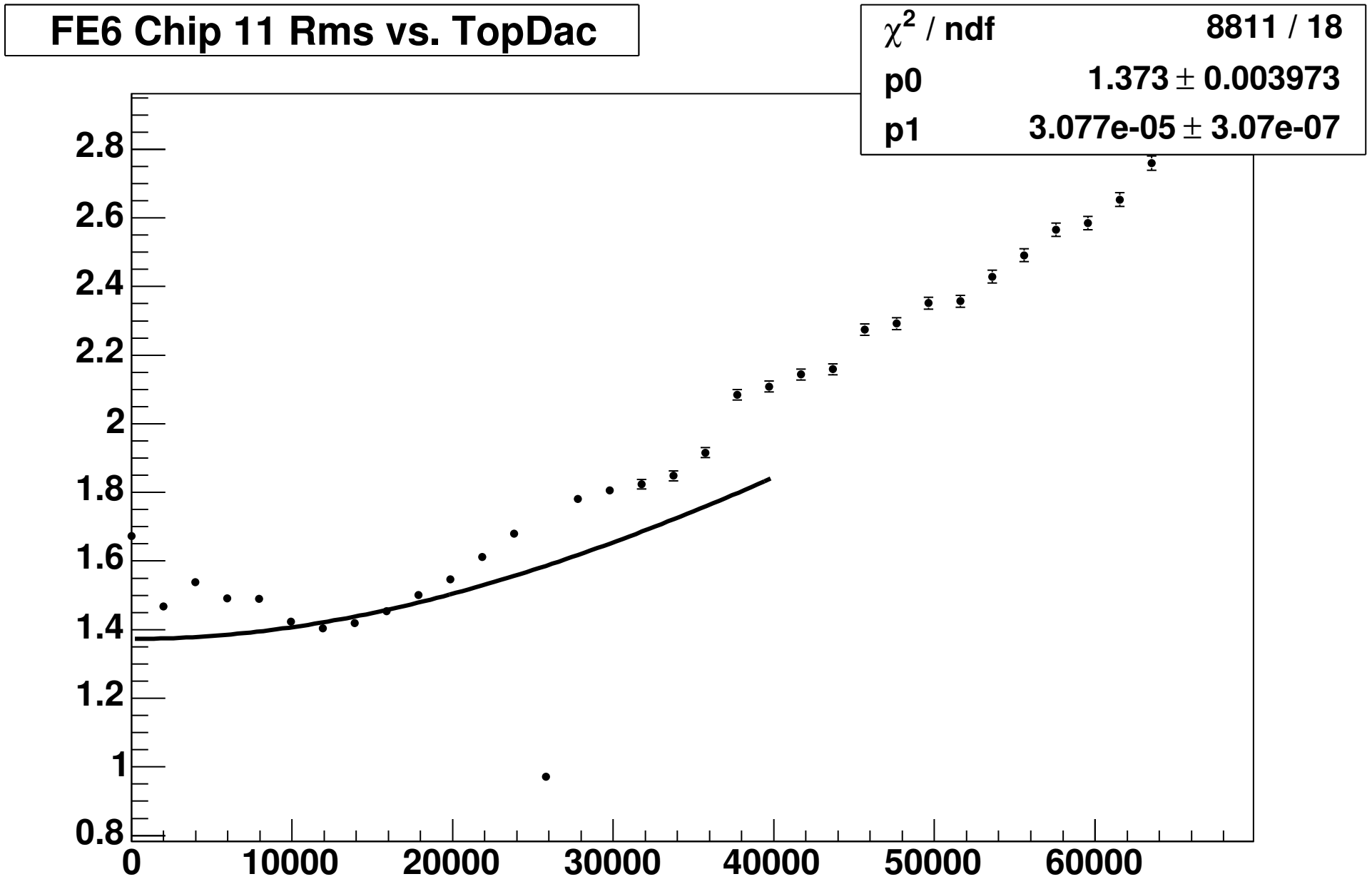
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 8811 / 18
p0 1.373 ± 0.003973
p1 3.077e-05 ± 3.07e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
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40000
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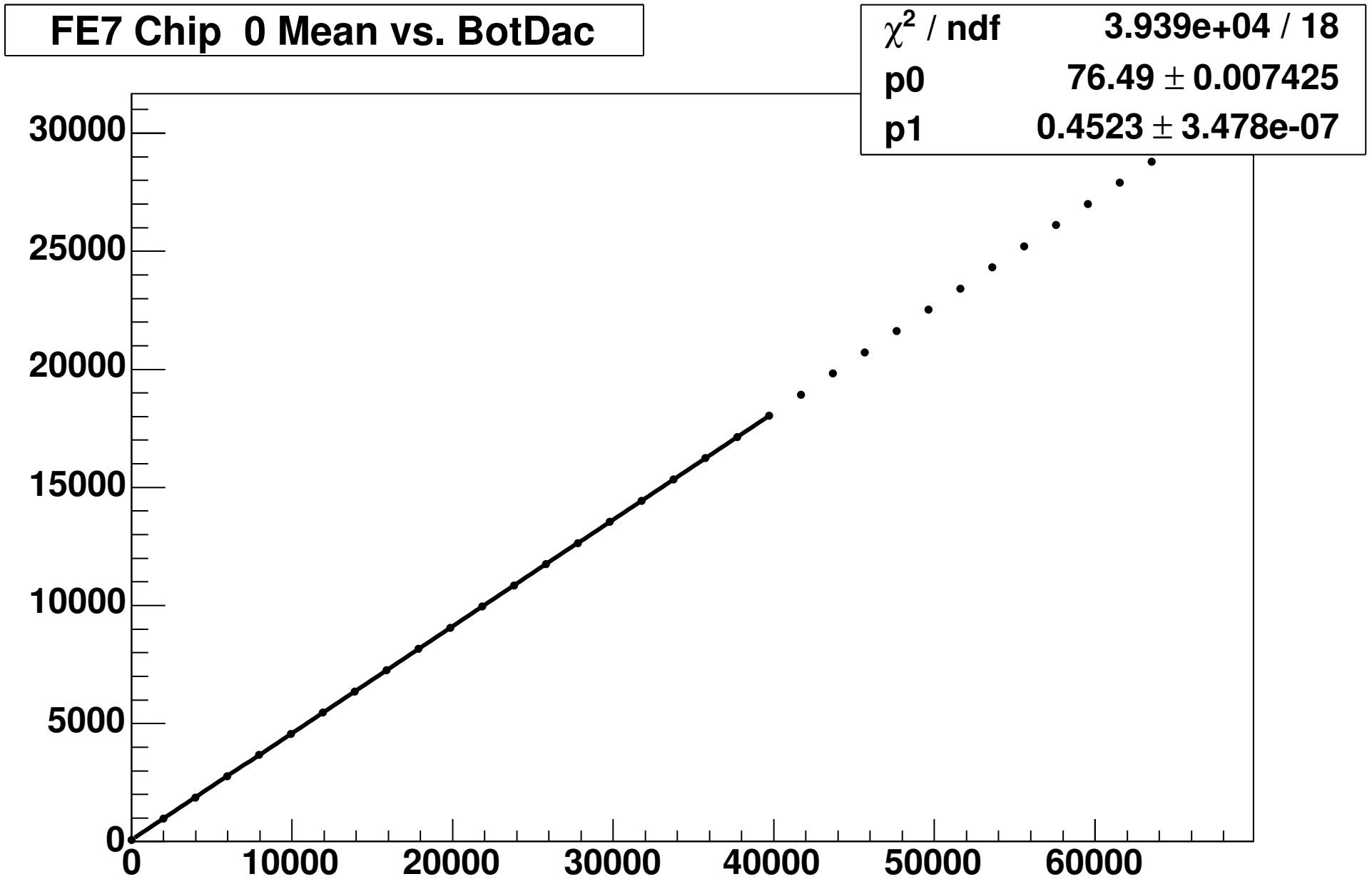
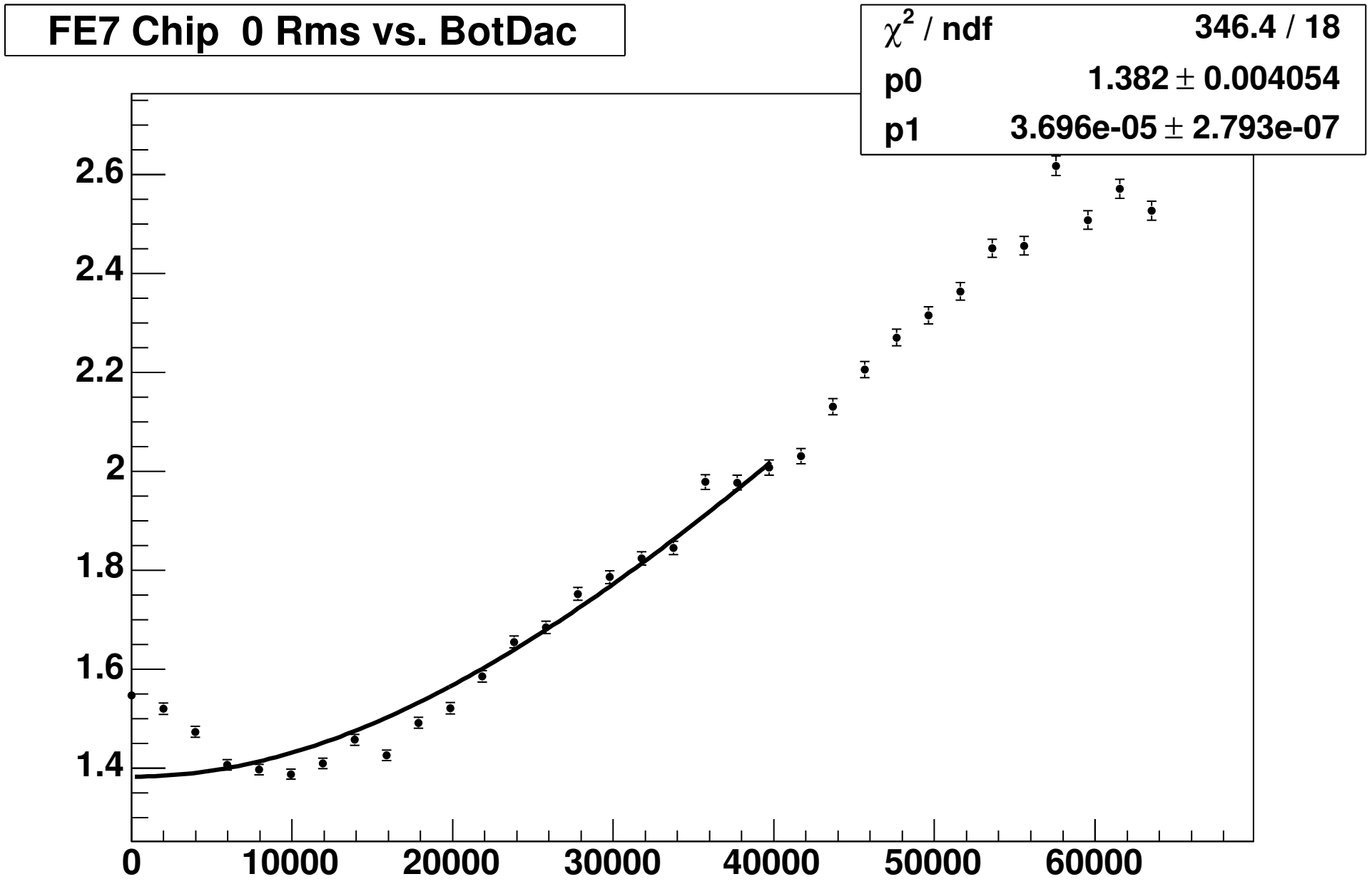
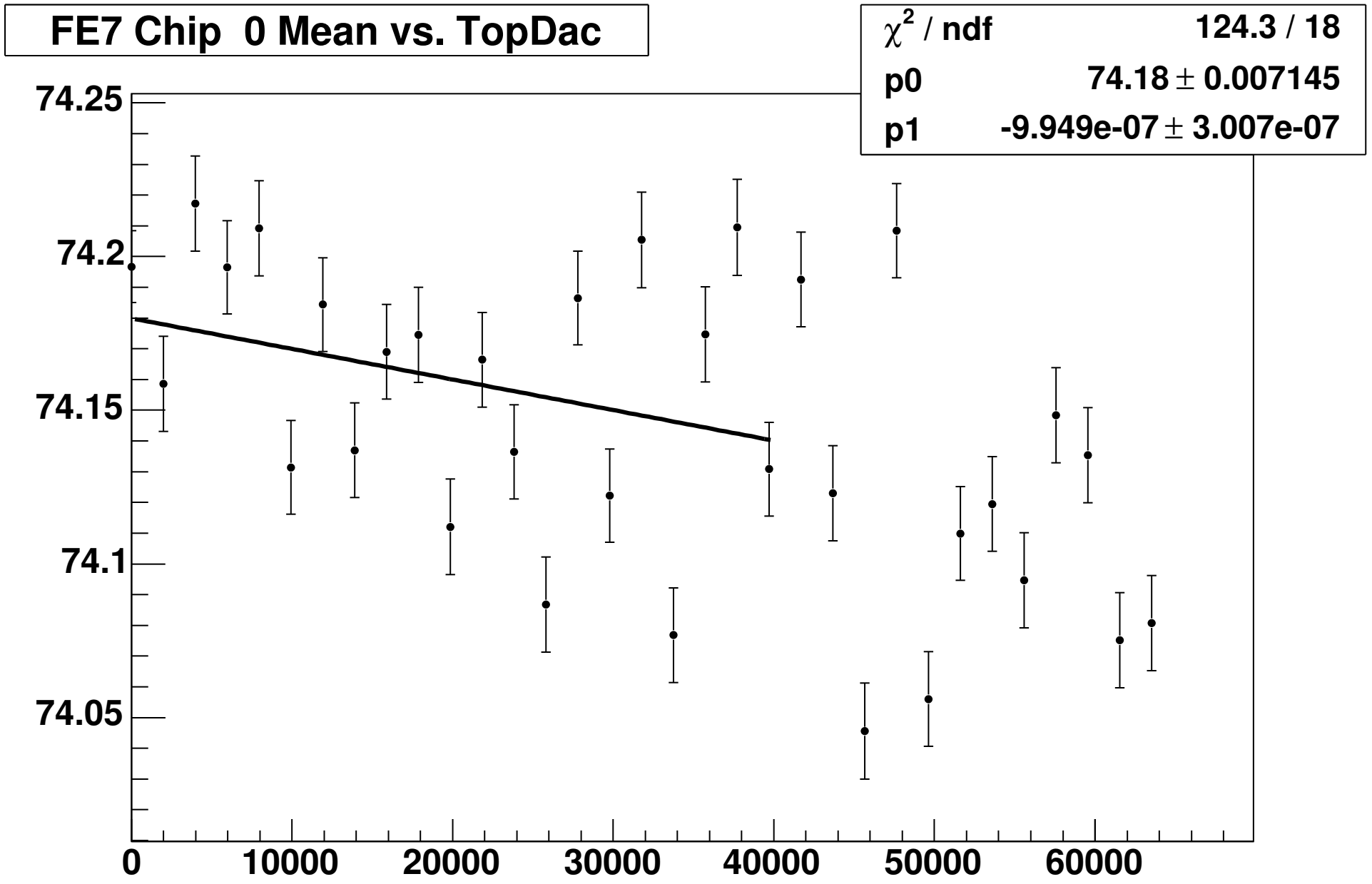
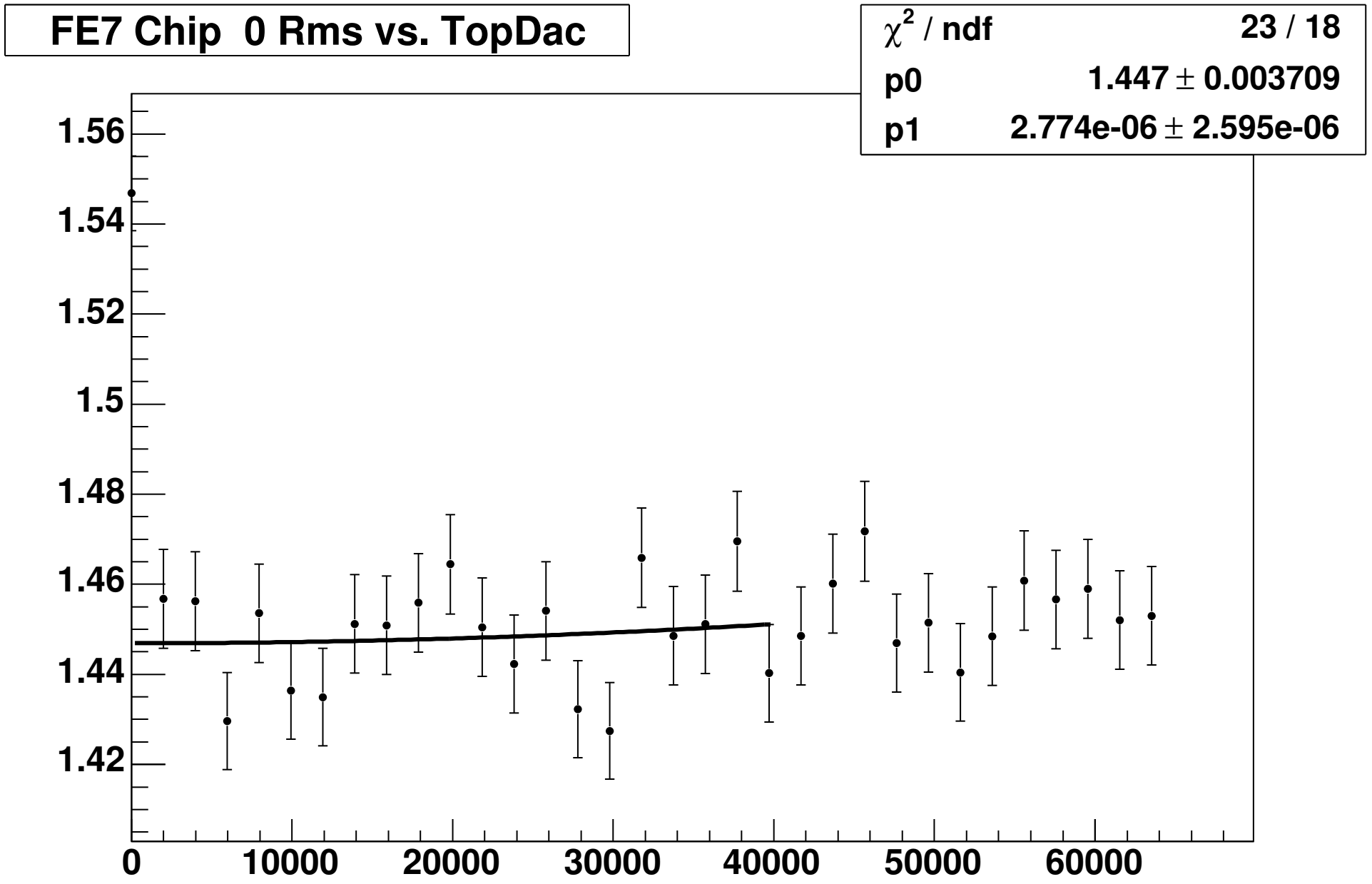
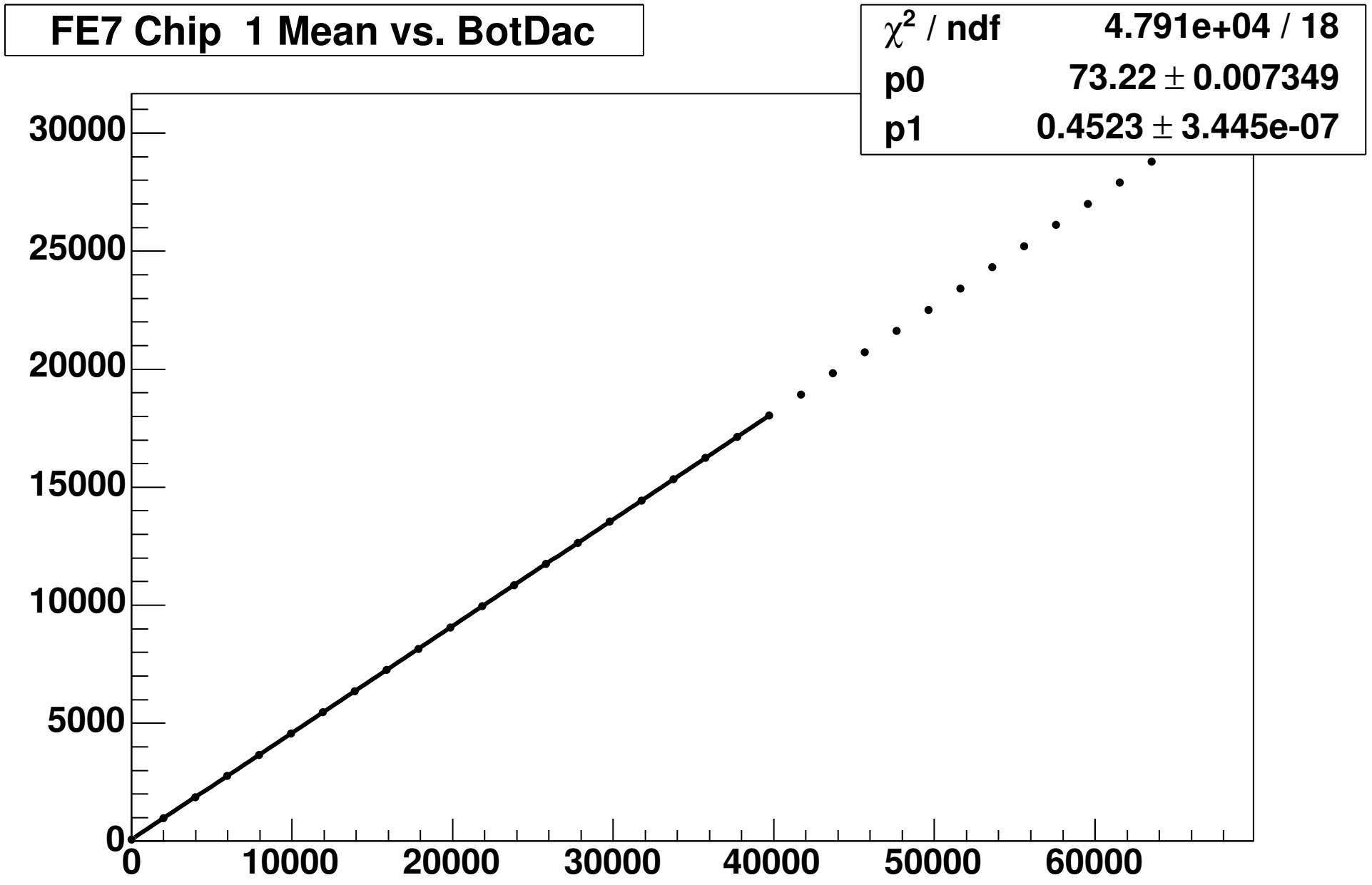
60000

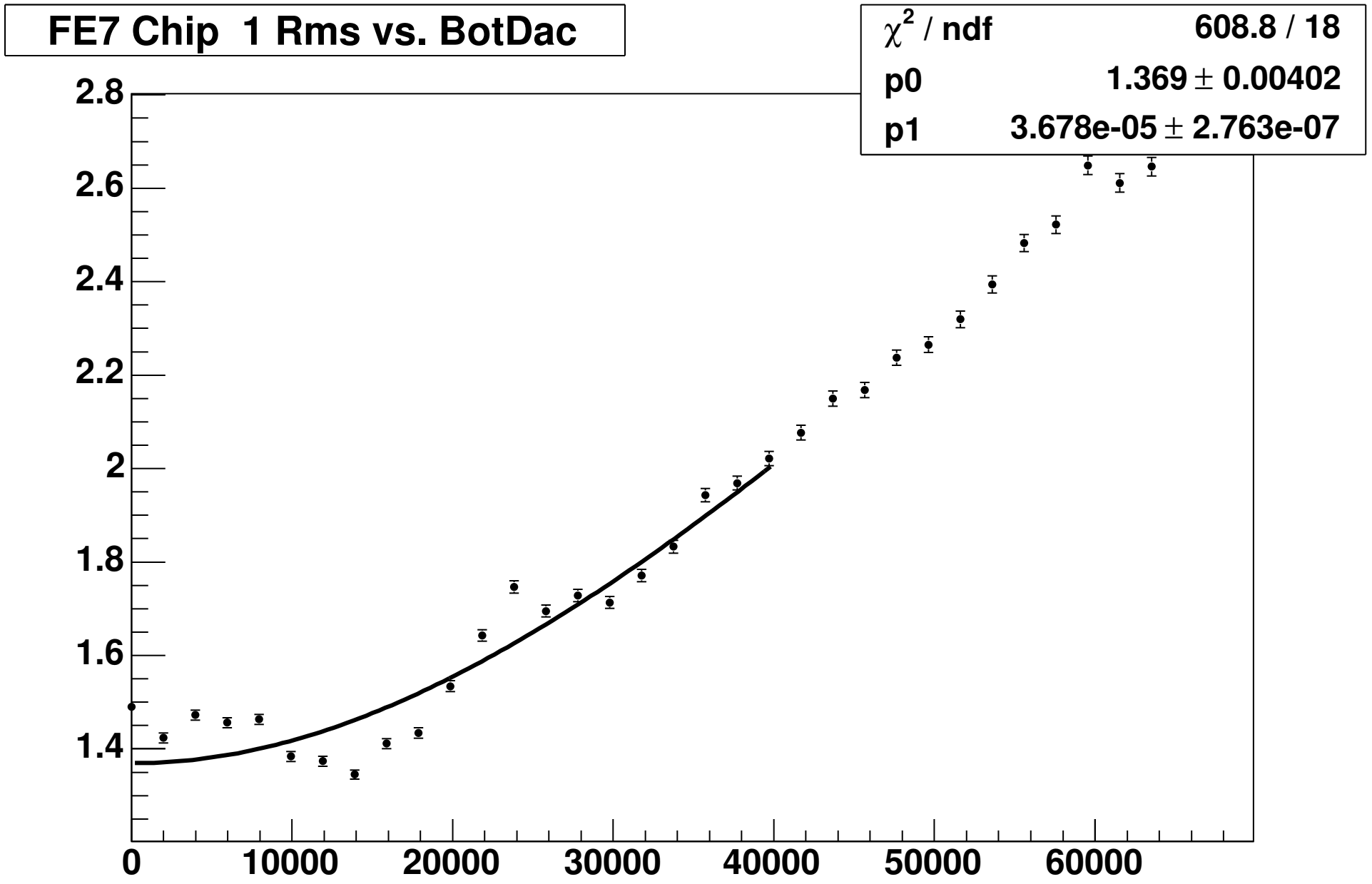

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 3.939e+04 / 18
p0 76.49 ± 0.007425
p1 0.4523 ± 3.478e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

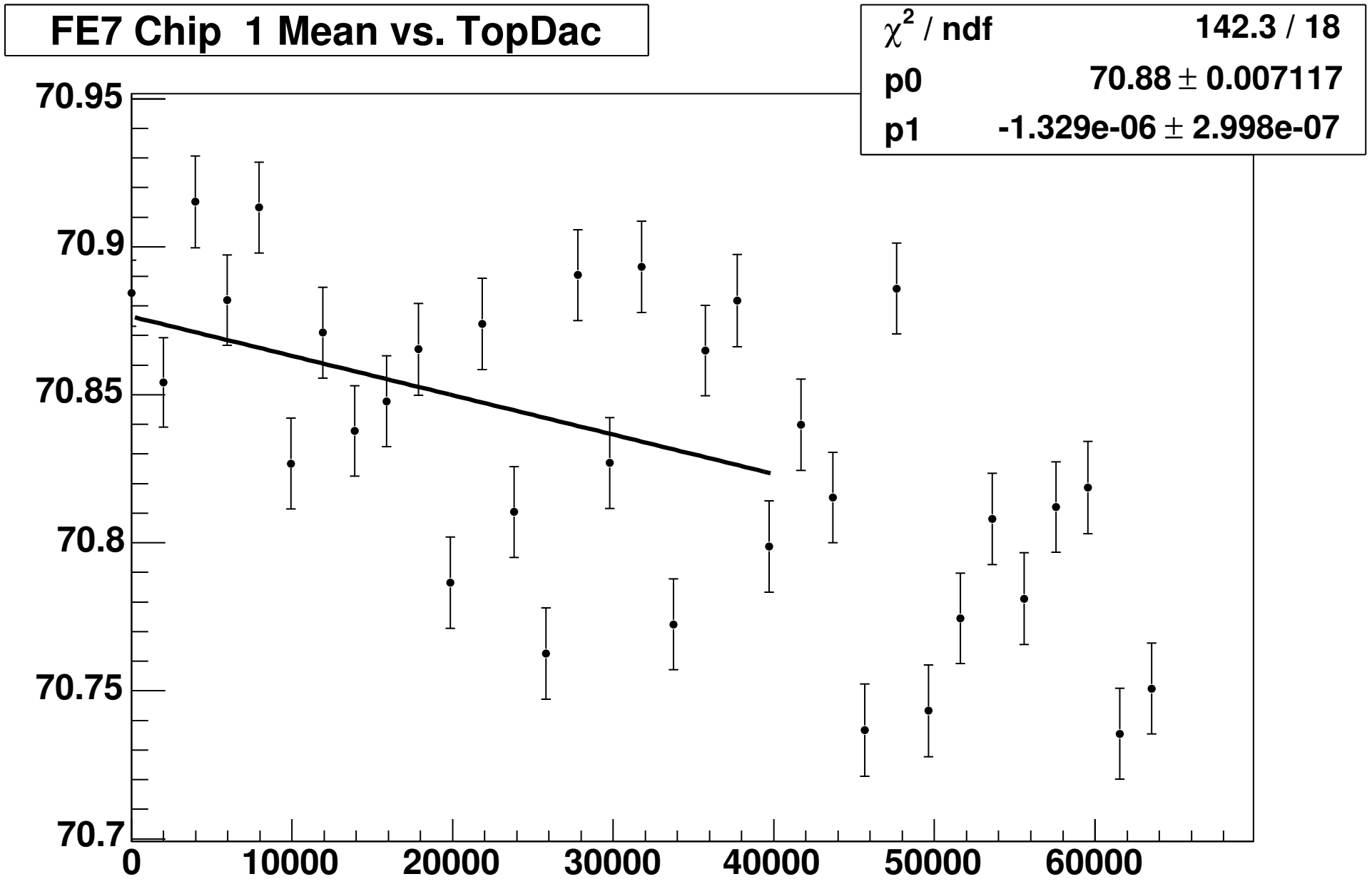

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 346.4 / 18
p0 1.382 ± 0.004054
p1 3.696e-05 ± 2.793e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

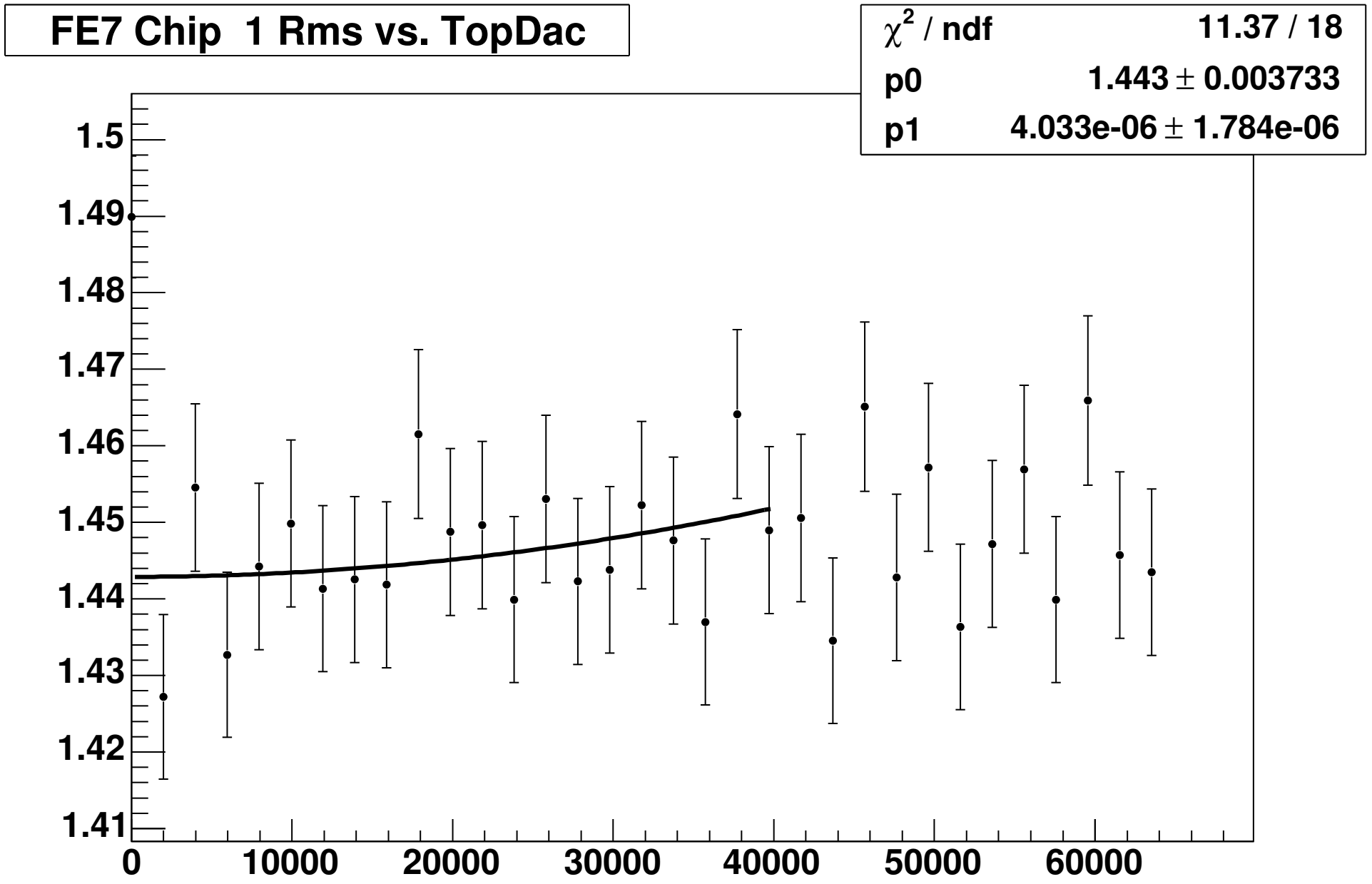

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 124.3 / 18
p0 74.18 ± 0.007145
p1 -9.949e-07 ± 3.007e-07
74.25
74.2
74.15
74.1
74.05
0
10000
20000
30000
40000
50000
60000

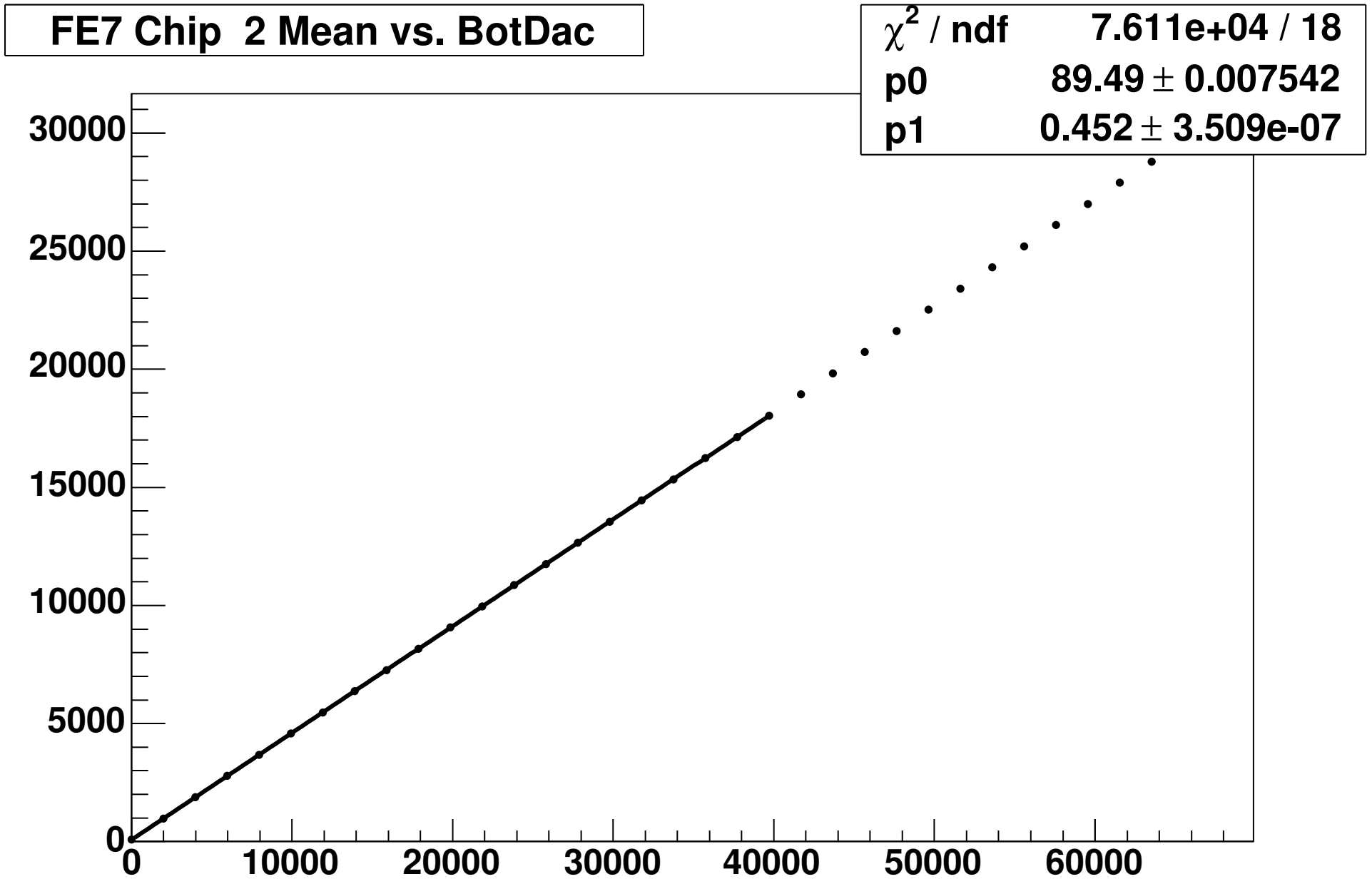

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 23 / 18
p0 1.447 ± 0.003709
p1 2.774e-06 ± 2.595e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

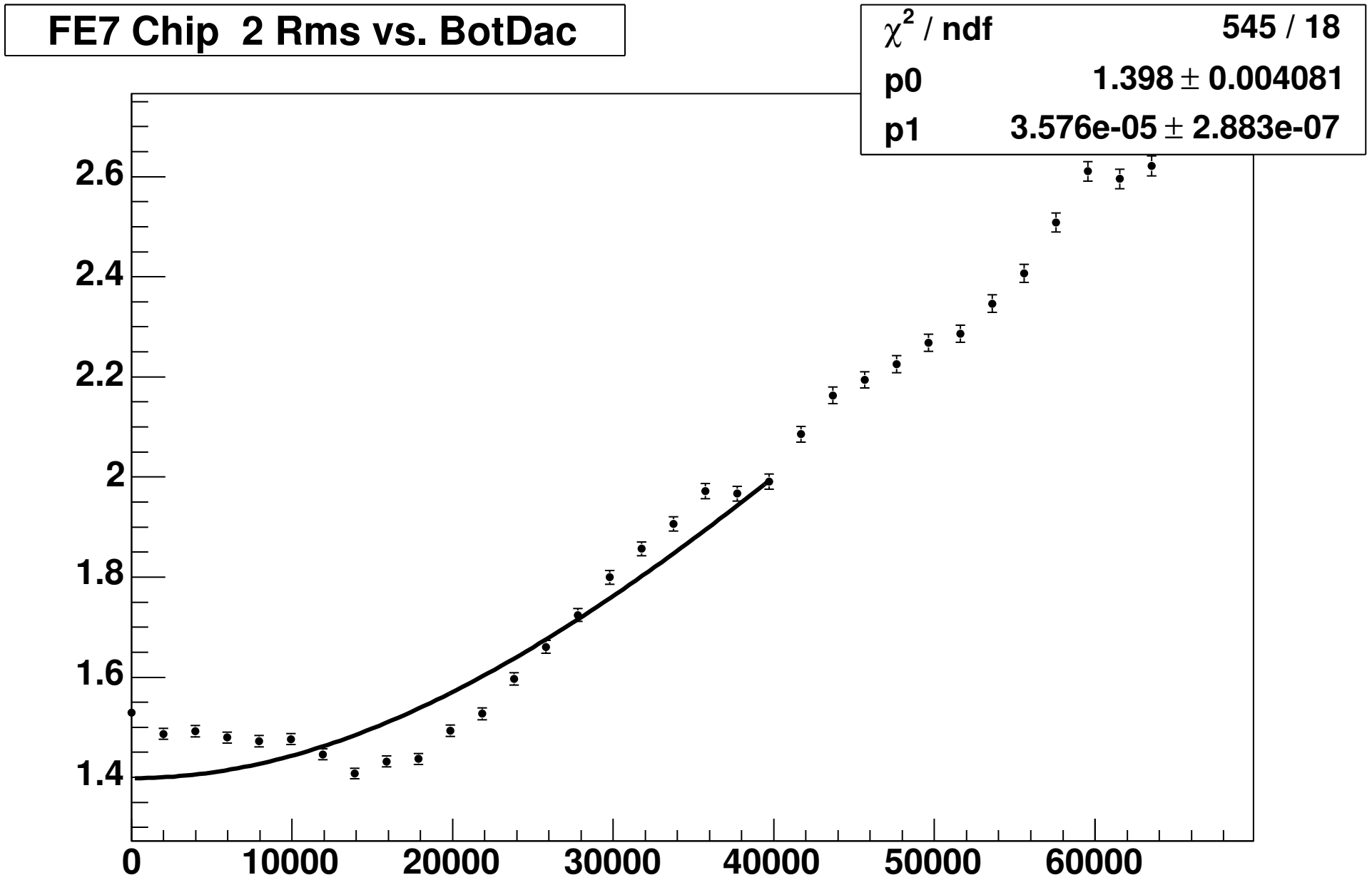

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 4.791e+04 / 18
p0 73.22 ± 0.007349
p1 0.4523 ± 3.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

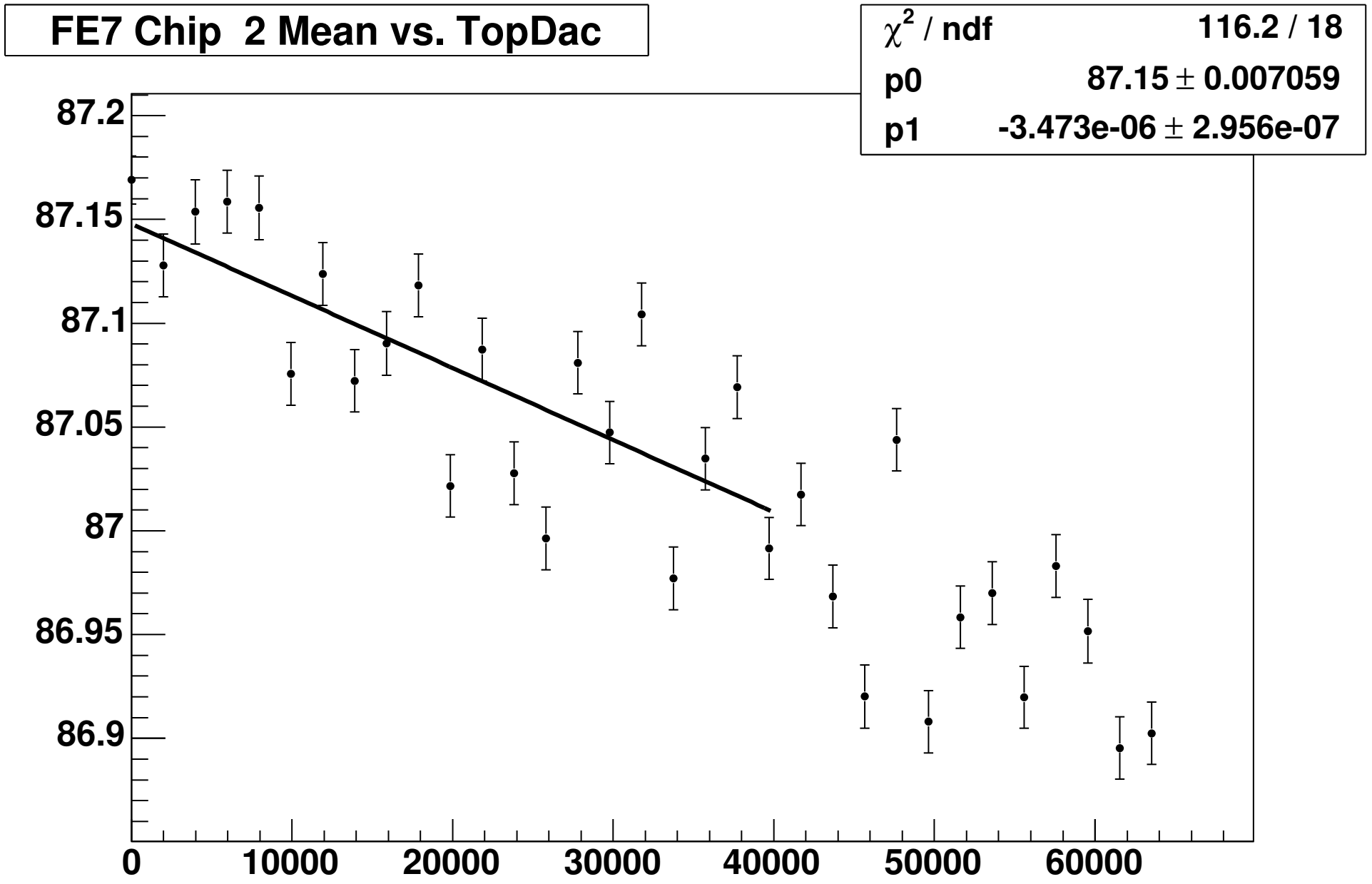

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 608.8 / 18
p0 1.369 ± 0.00402
p1 3.678e-05 ± 2.763e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

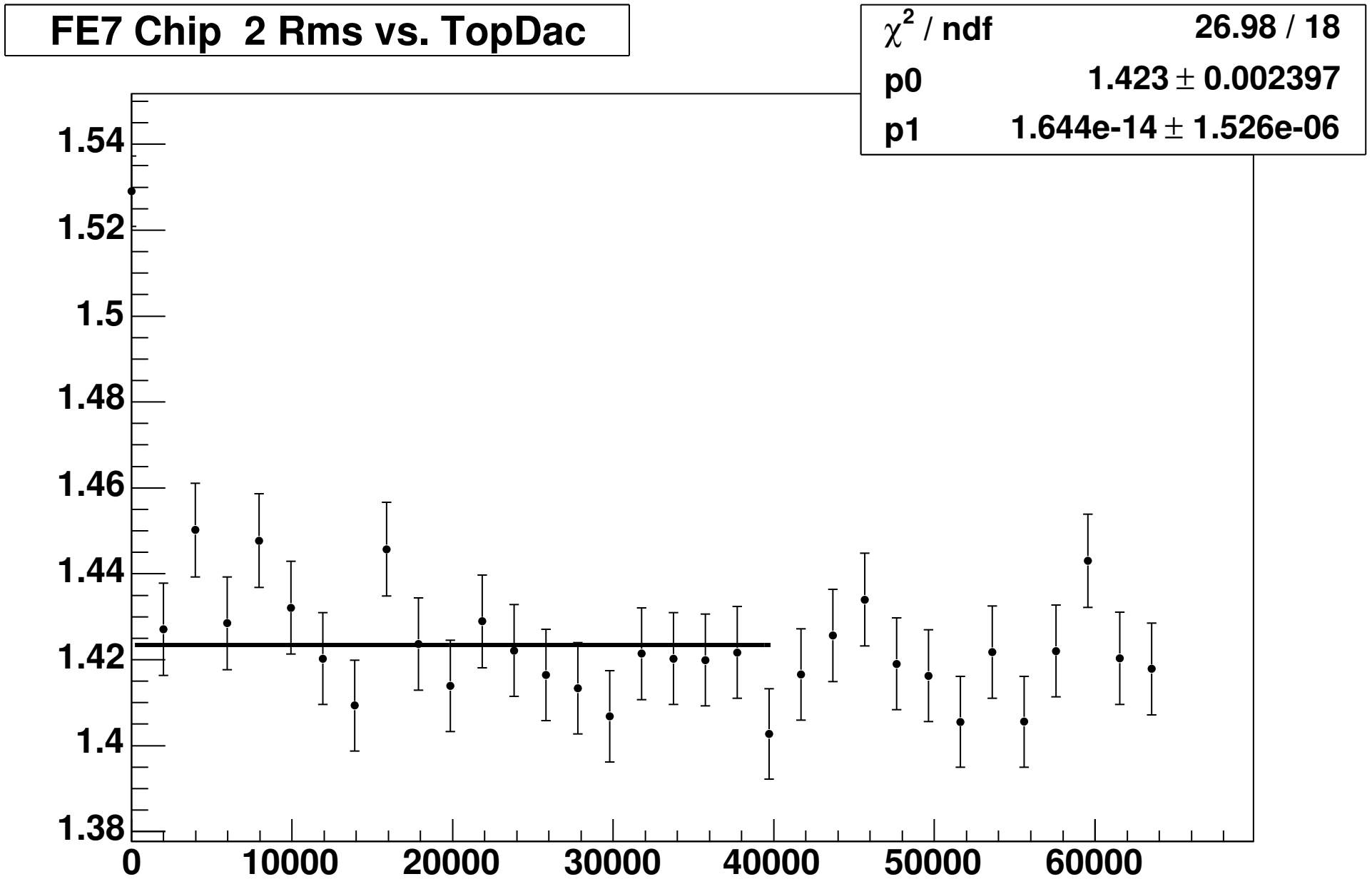

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 142.3 / 18
p0 70.88 ± 0.007117
p1 -1.329e-06 ± 2.998e-07
70.95
70.9
70.85
70.8
70.75
70.7
0
10000
20000
30000
40000
50000
60000

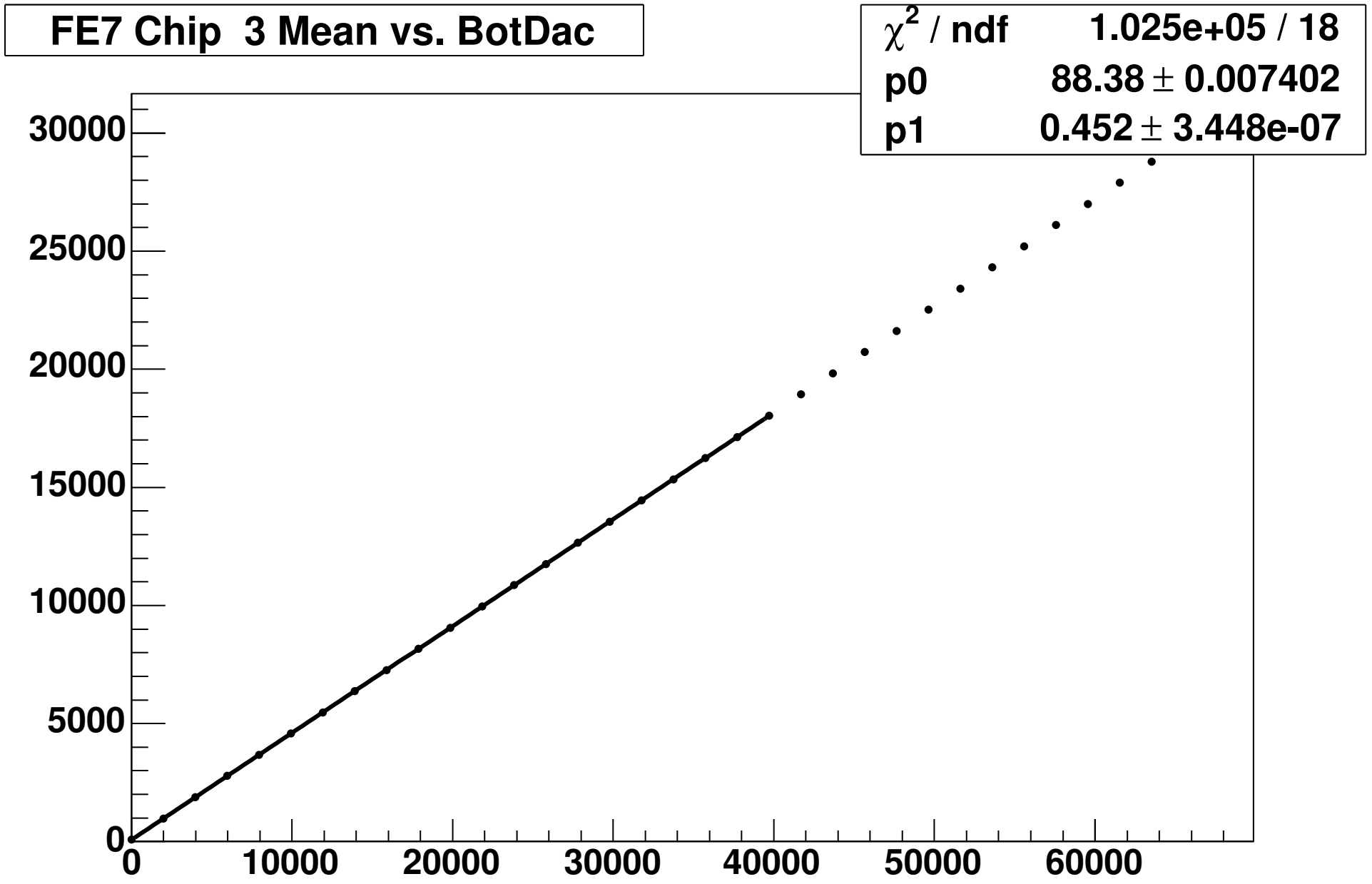

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 11.37 / 18
p0 1.443 ± 0.003733
p1 4.033e-06 ± 1.784e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

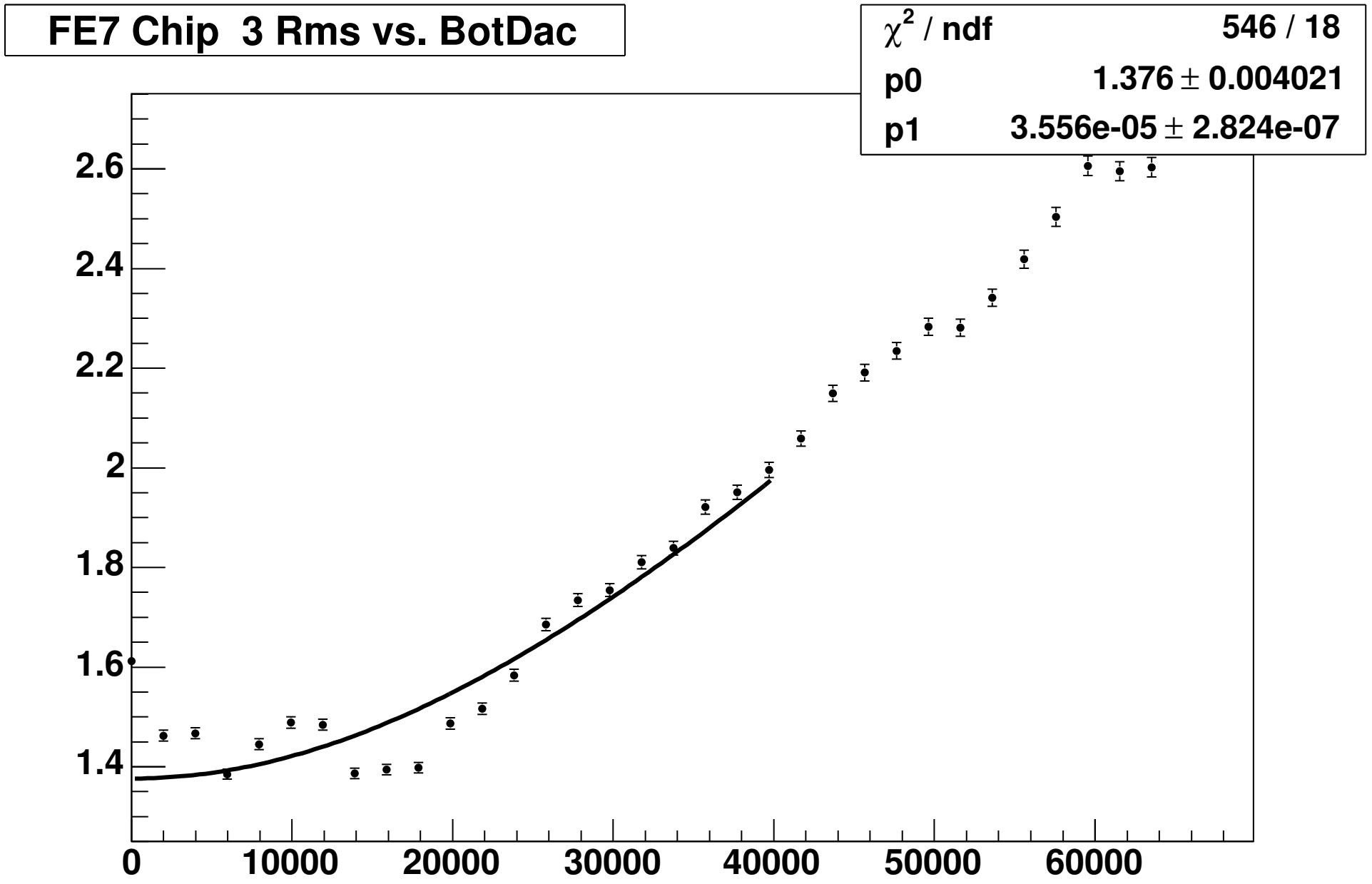

FE7 Chip 2 Mean vs. BotDac
χ^2 / ndf 7.611e+04 / 18
p0 89.49 ± 0.007542
p1 0.452 ± 3.509e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

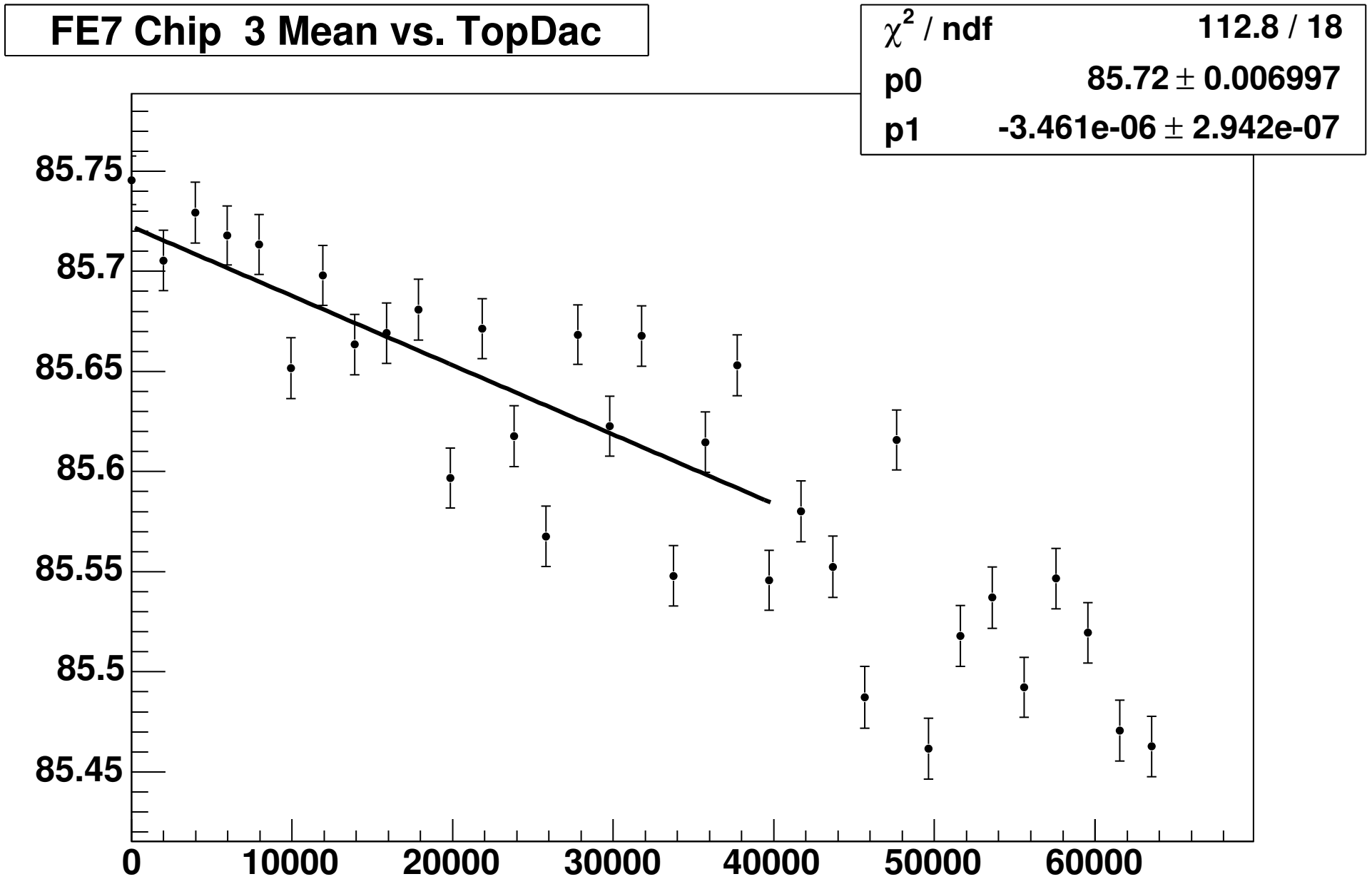

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 545 / 18
p0 1.398 ± 0.004081
p1 3.576e-05 ± 2.883e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

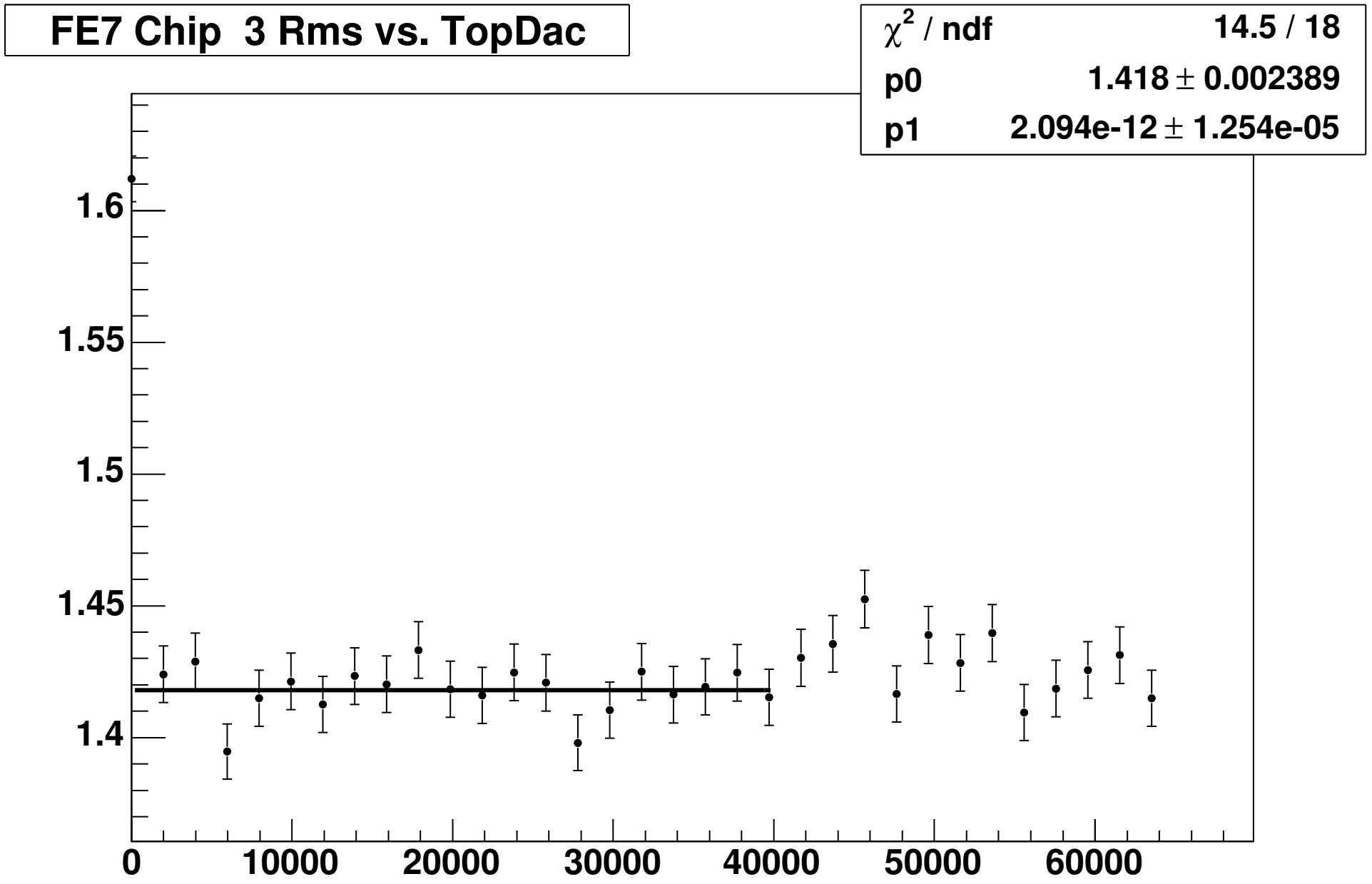

FE7 Chip 2 Mean vs. TopDac
χ^2 / ndf 116.2 / 18
p0 87.15 ± 0.007059
p1 -3.473e-06 ± 2.956e-07
87.2
87.15
87.1
87.05
87
86.95
86.9
0
10000
20000
30000
40000
50000
60000

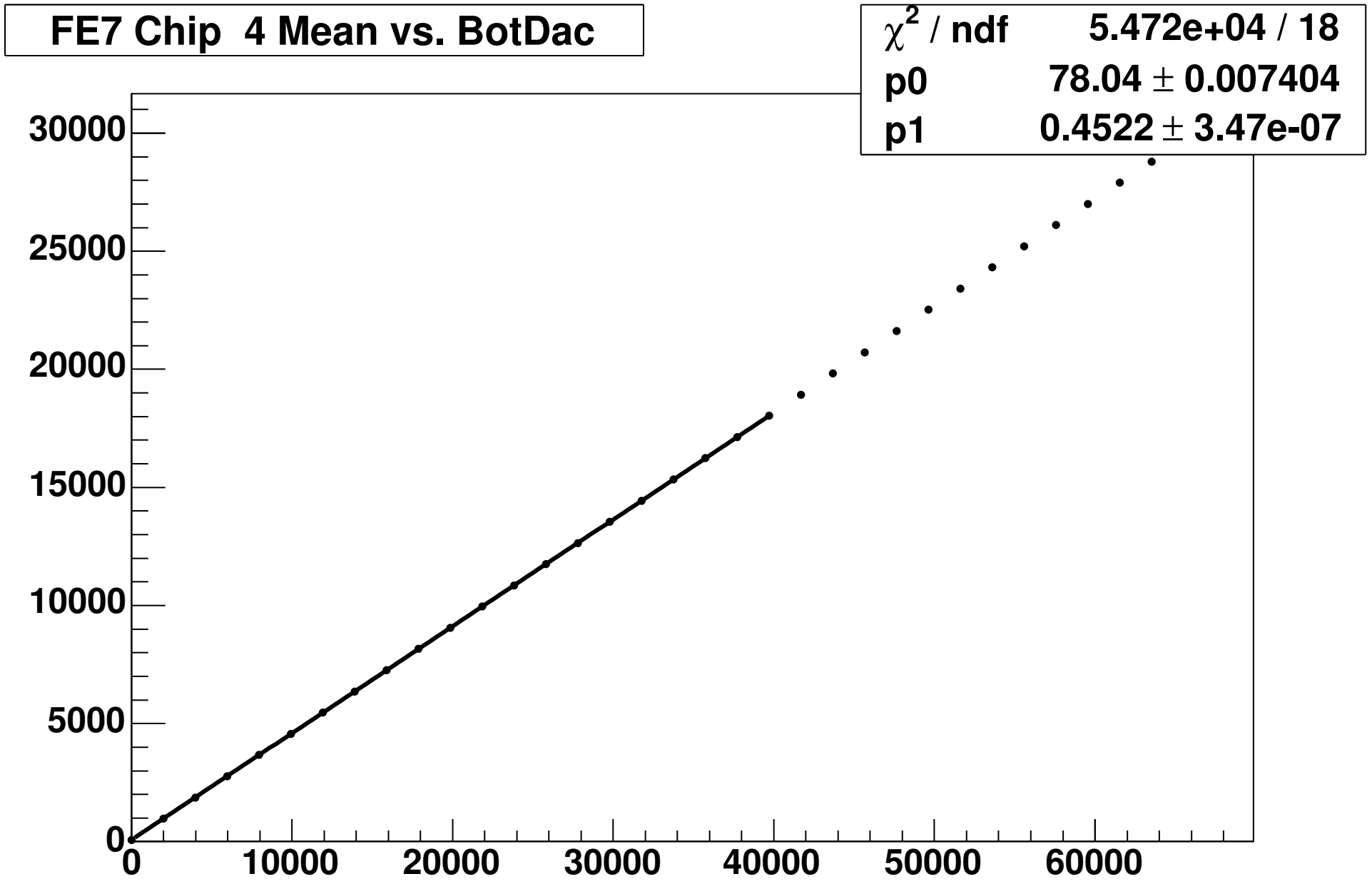

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 26.98 / 18
p0 1.423 ± 0.002397
p1 1.644e-14 ± 1.526e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

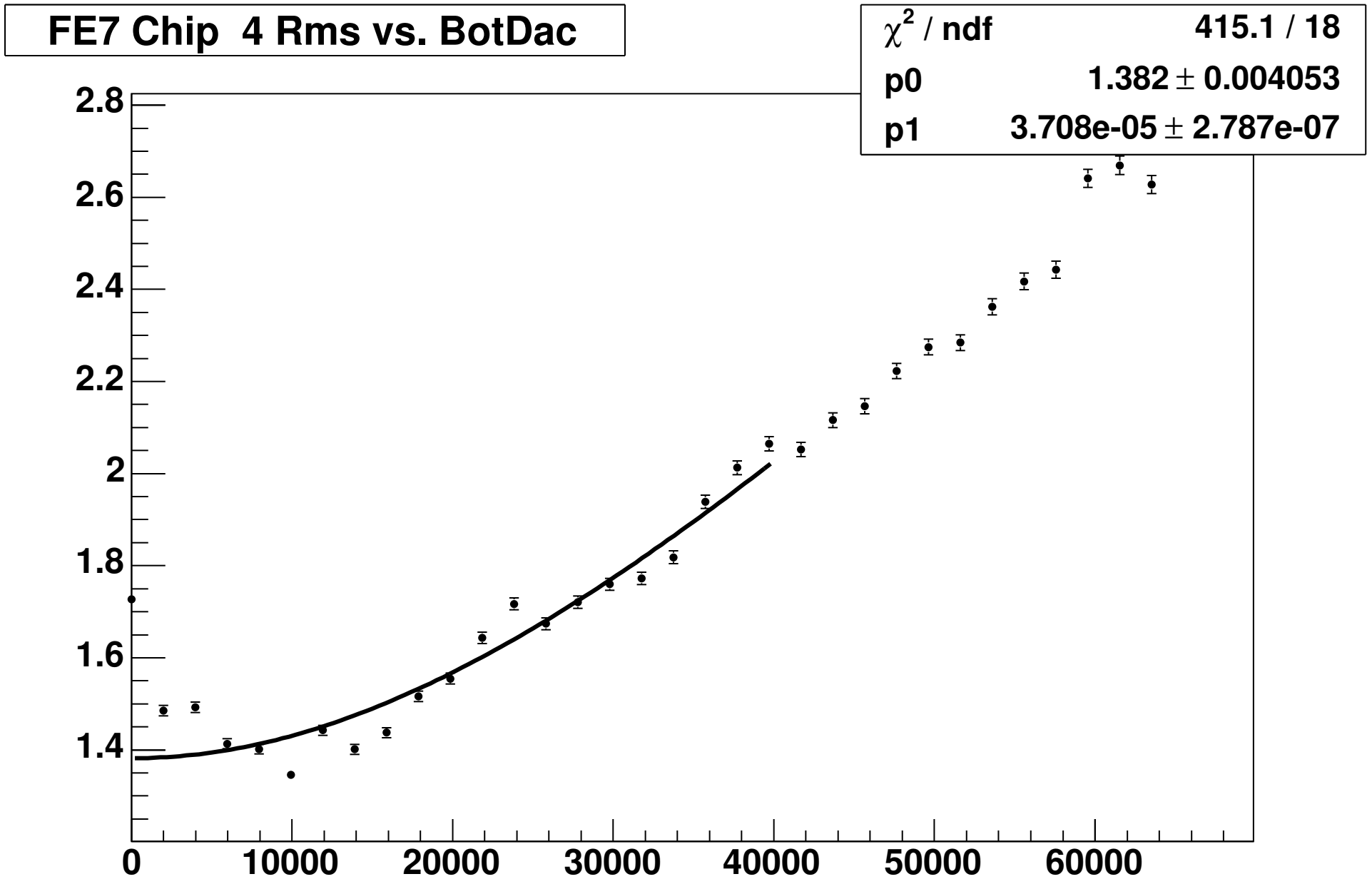

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.025e+05 / 18
p0 88.38 ± 0.007402
p1 0.452 ± 3.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

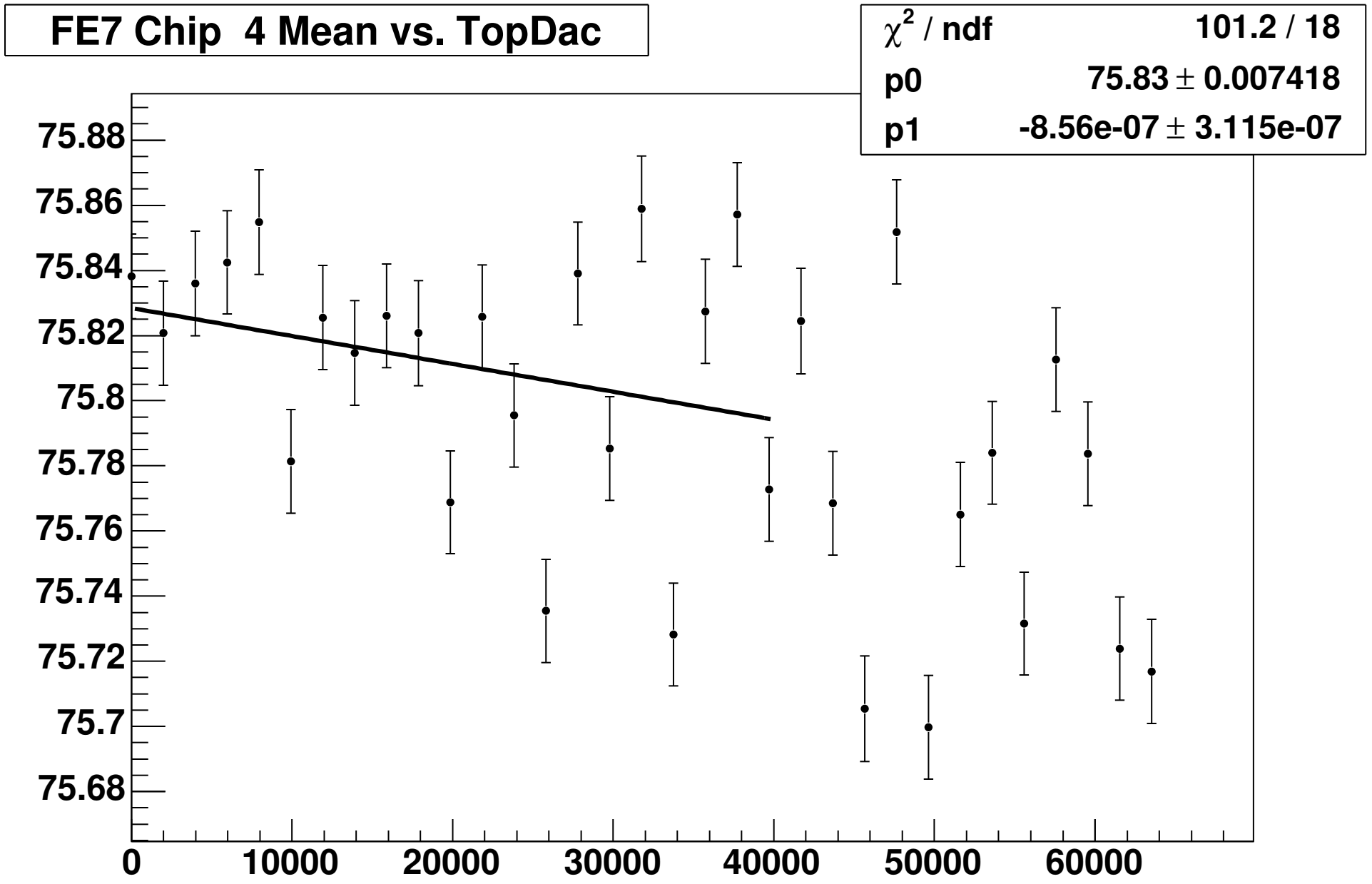

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 546 / 18
p0 1.376 ± 0.004021
p1 3.556e-05 ± 2.824e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

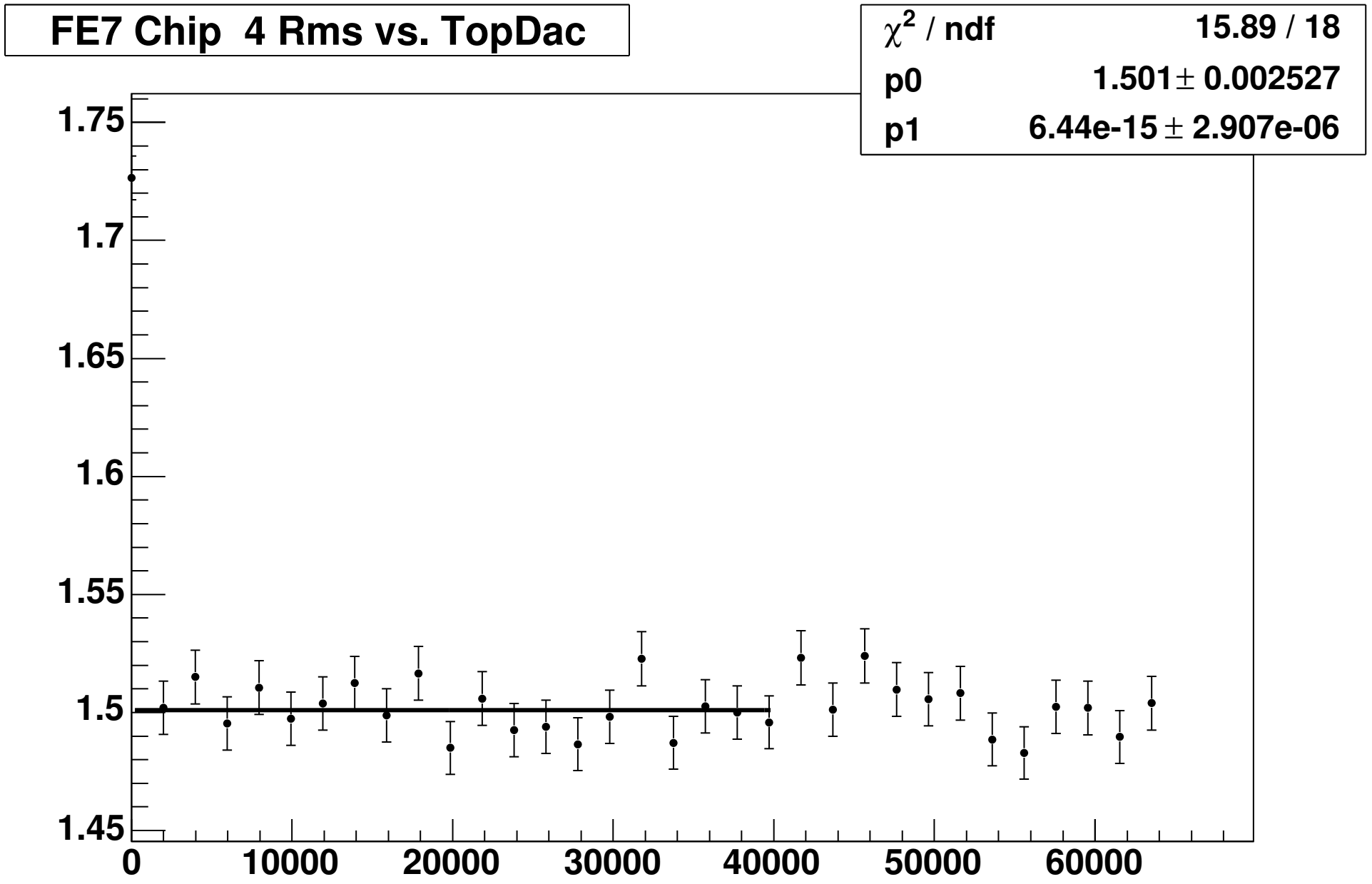

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 112.8 / 18
p0 85.72 ± 0.006997
p1 -3.461e-06 ± 2.942e-07
85.75
85.7
85.65
85.6
85.55
85.5
85.45
0
10000
20000
30000
40000
50000
60000

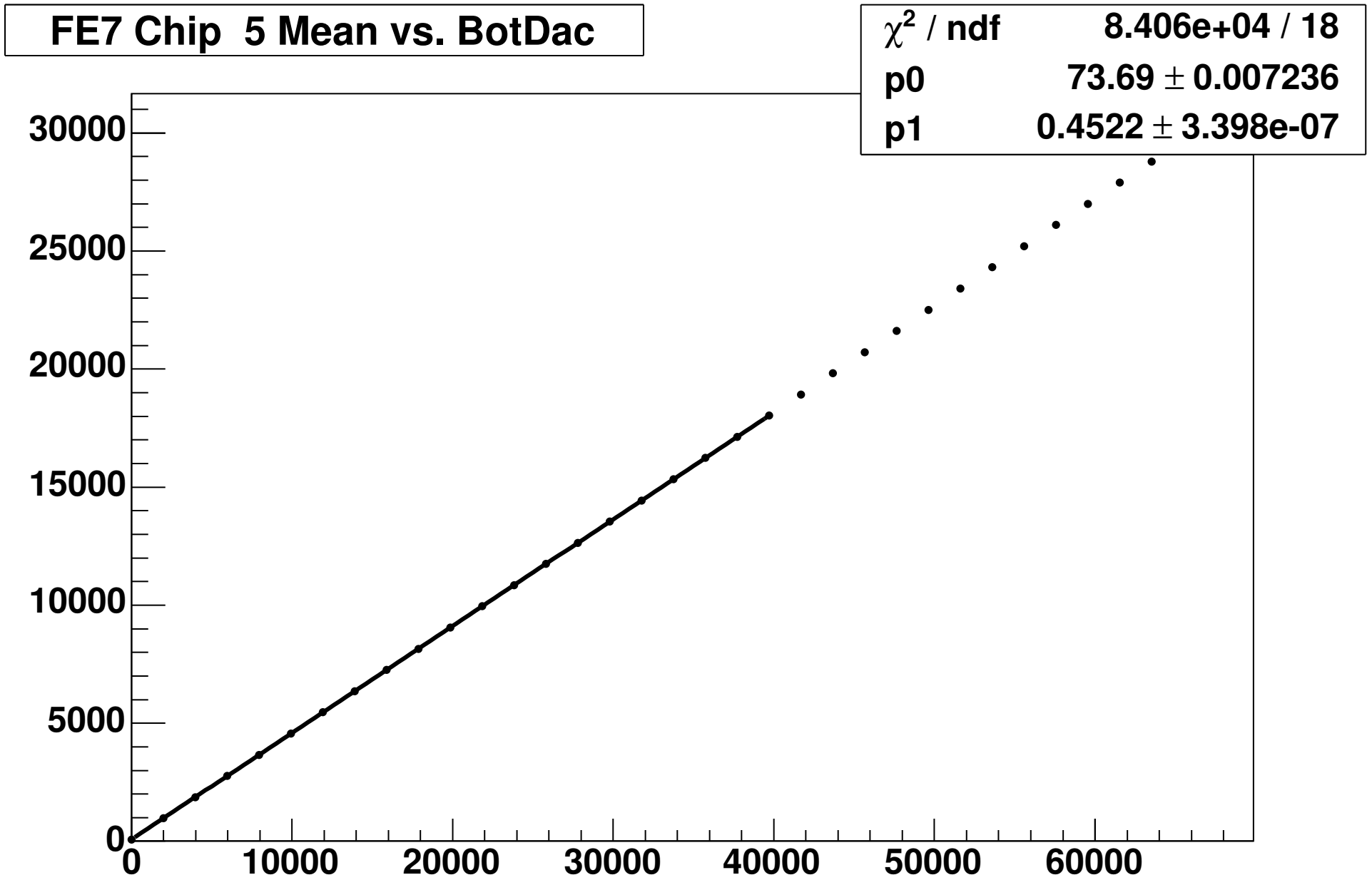

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 14.5 / 18
p0 1.418 ± 0.002389
p1 2.094e-12 ± 1.254e-05
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

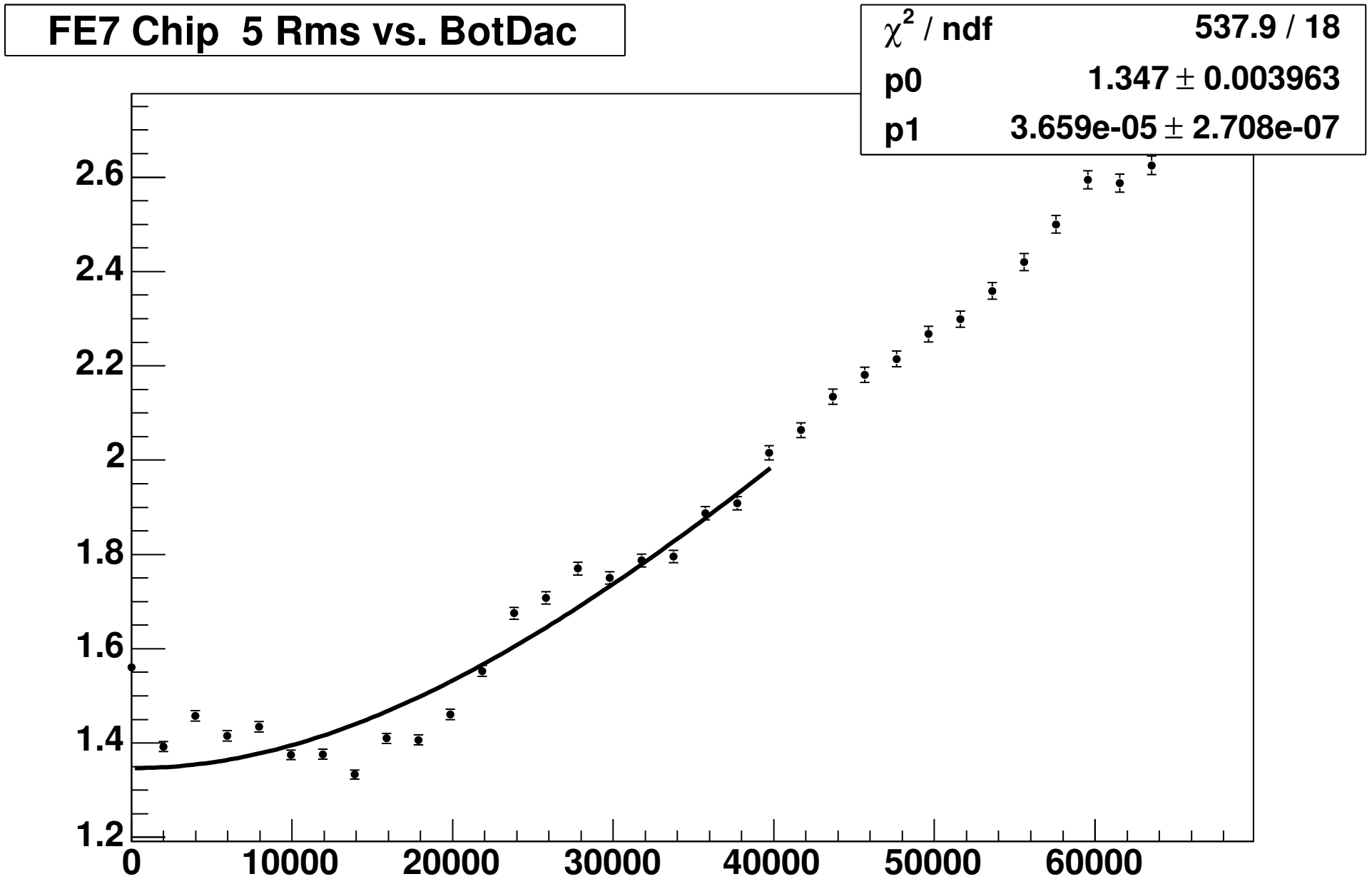

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 5.472e+04 / 18
p0 78.04 ± 0.007404
p1 0.4522 ± 3.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

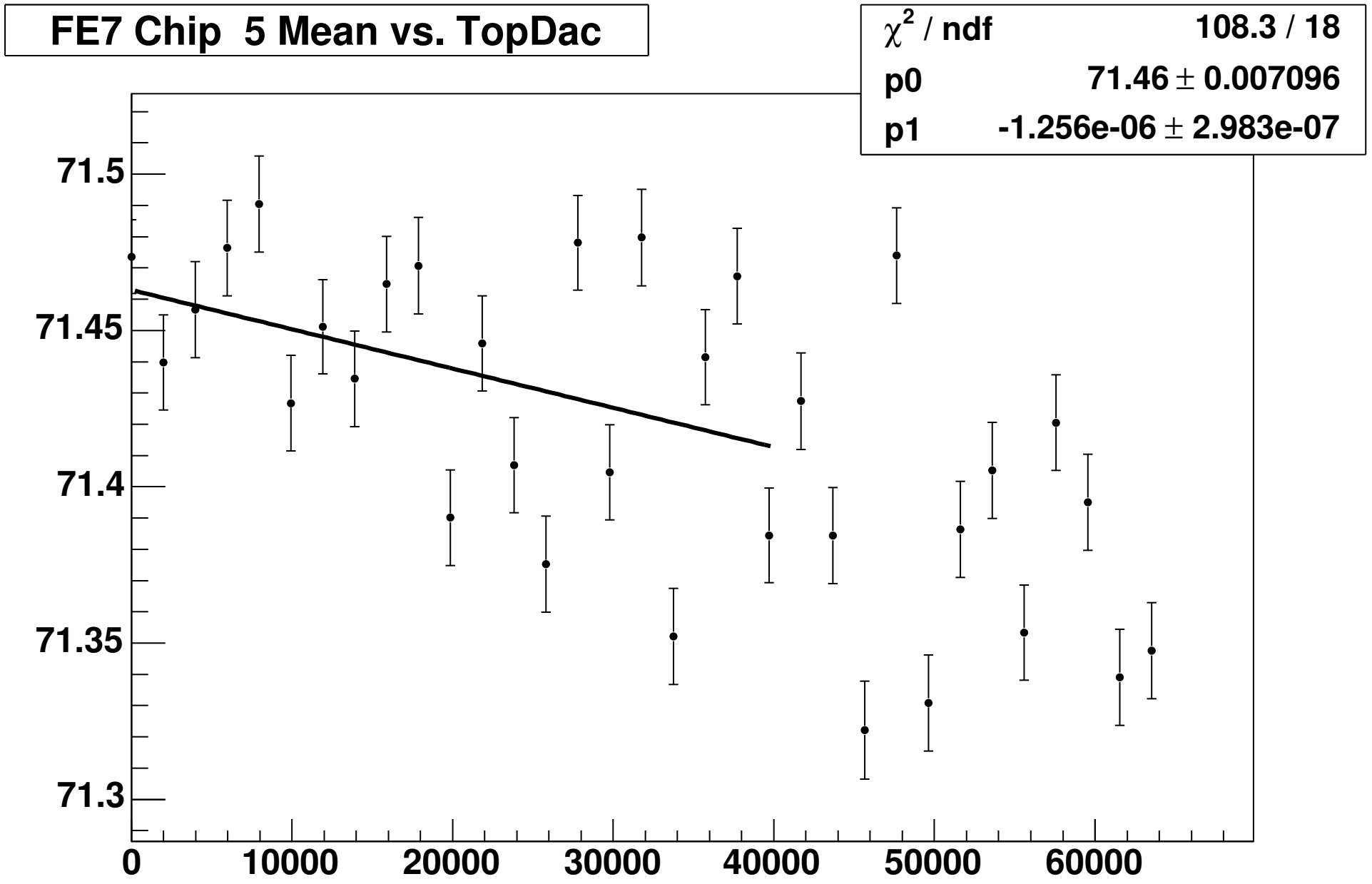

FE7 Chip 4 Rms vs. BotDac
χ^2 / ndf 415.1 / 18
p0 1.382 ± 0.004053
p1 3.708e-05 ± 2.787e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

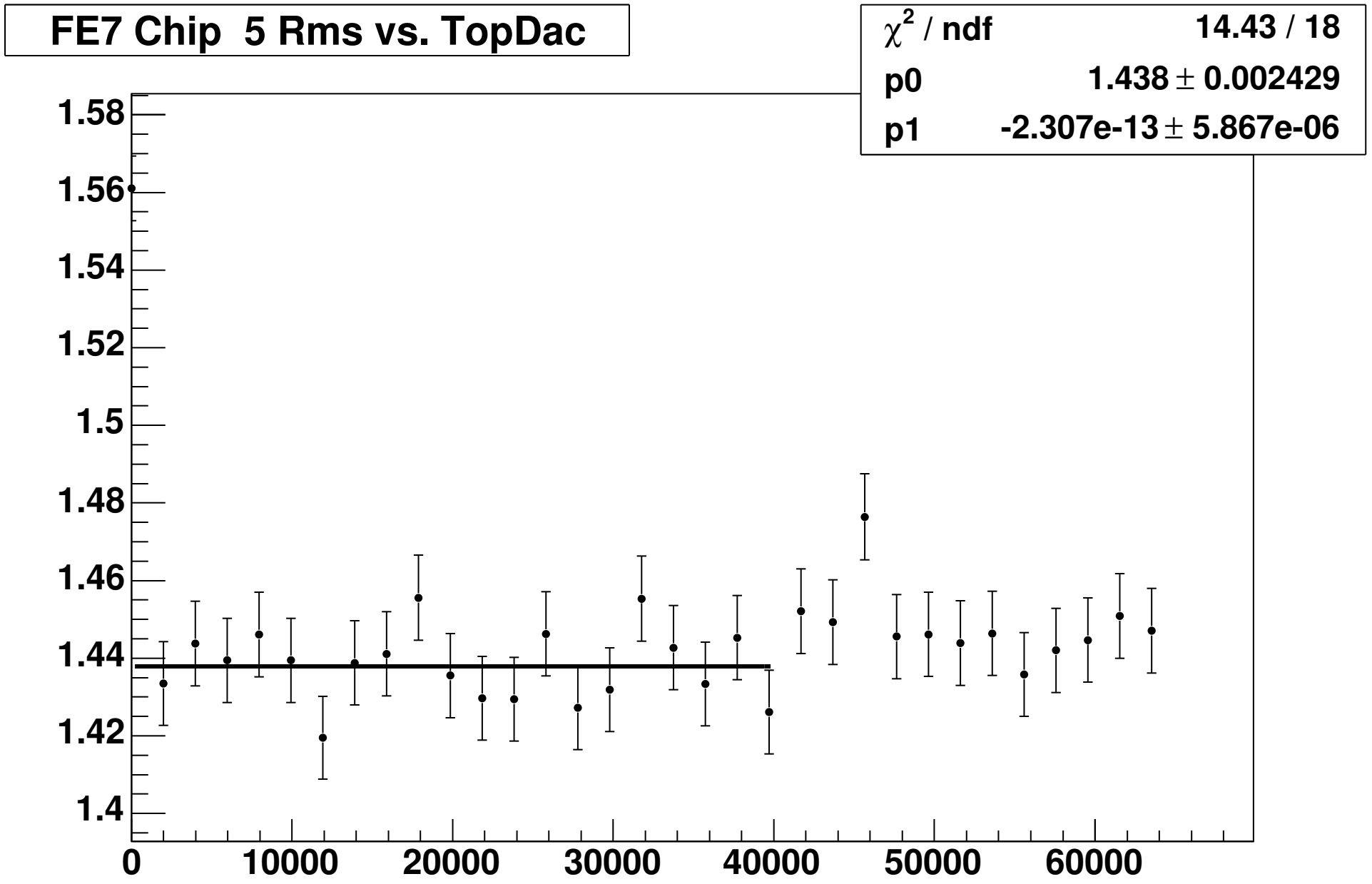

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 101.2 / 18
p0 75.83 ± 0.007418
p1 -8.56e-07 ± 3.115e-07
75.88
75.86
75.84
75.82
75.8
75.78
75.76
75.74
75.72
75.7
75.68
0
10000
20000
30000
40000
50000
60000

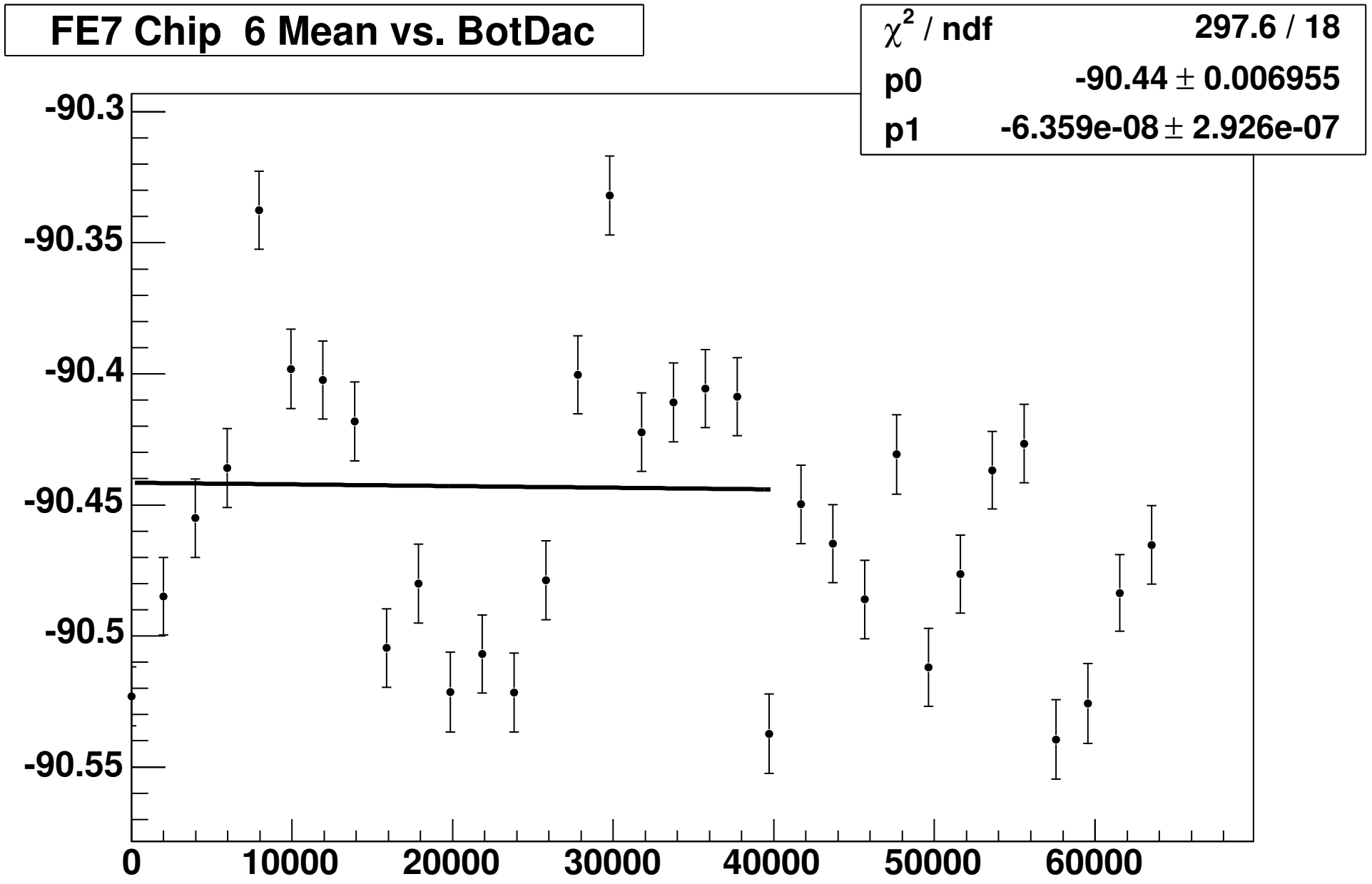

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 15.89 / 18
p0 1.501 ± 0.002527
p1 6.44e-15 ± 2.907e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

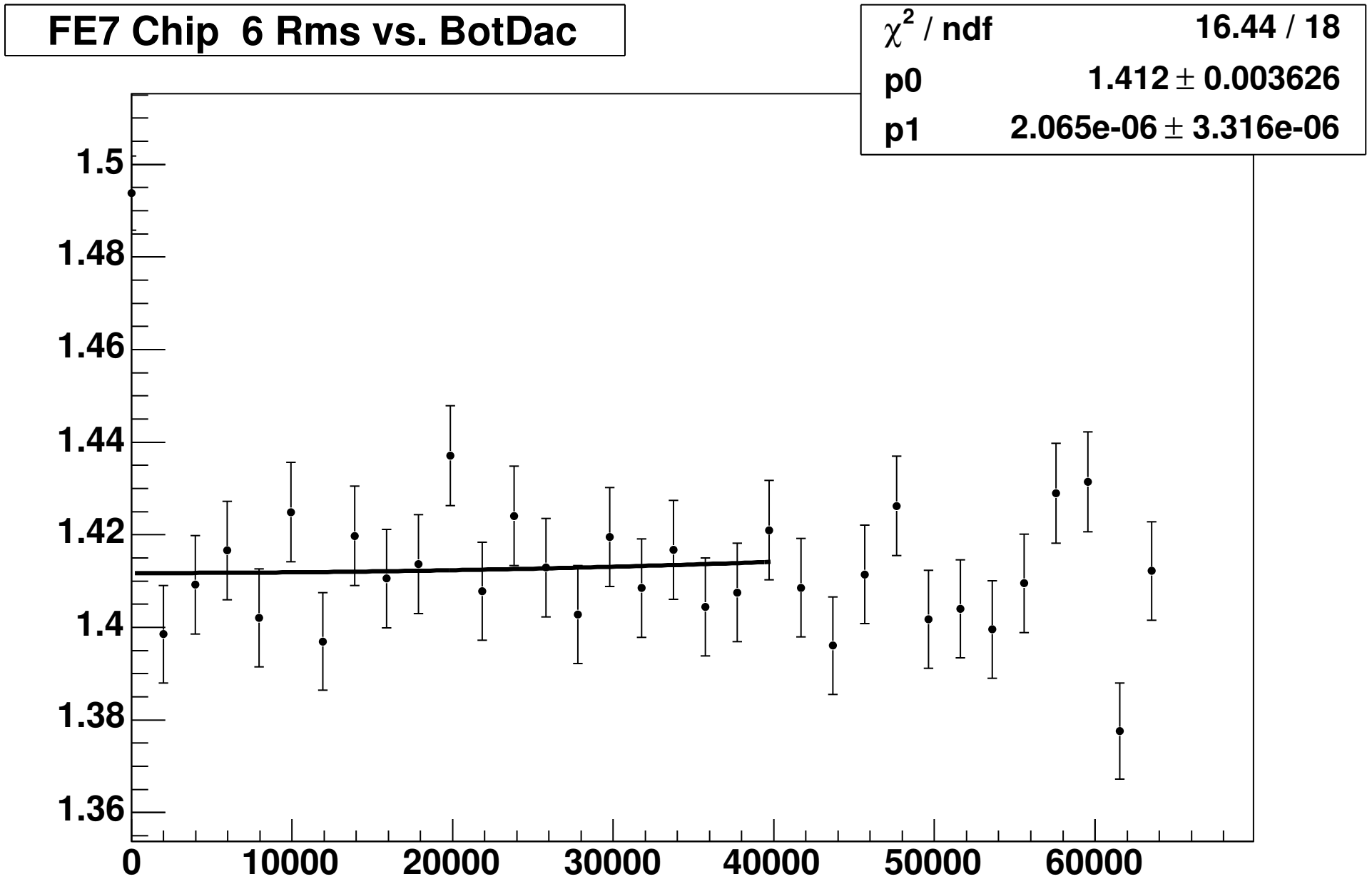

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 8.406e+04 / 18
p0 73.69 ± 0.007236
p1 0.4522 ± 3.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

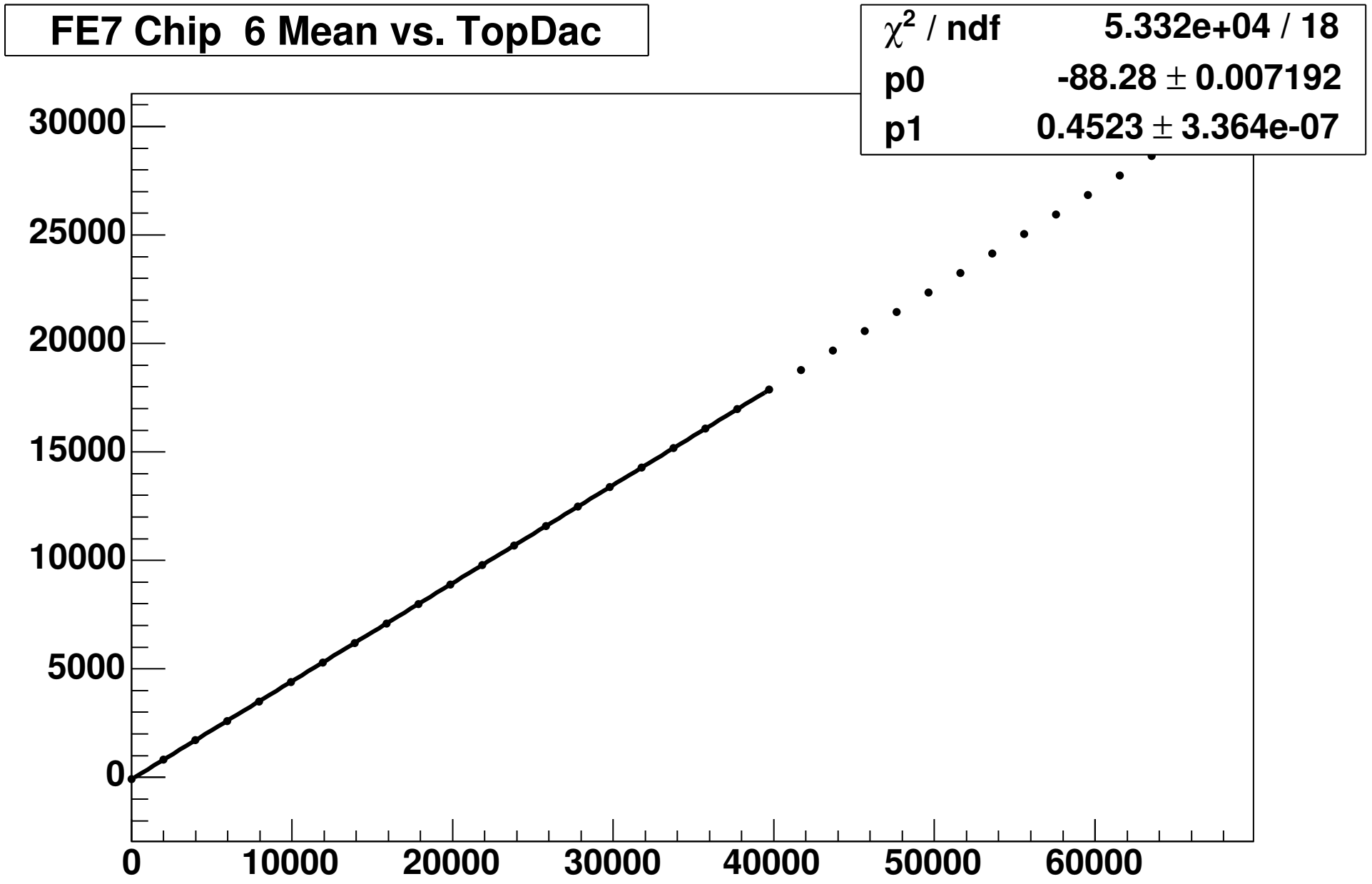

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 537.9 / 18
p0 1.347 ± 0.003963
p1 3.659e-05 ± 2.708e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

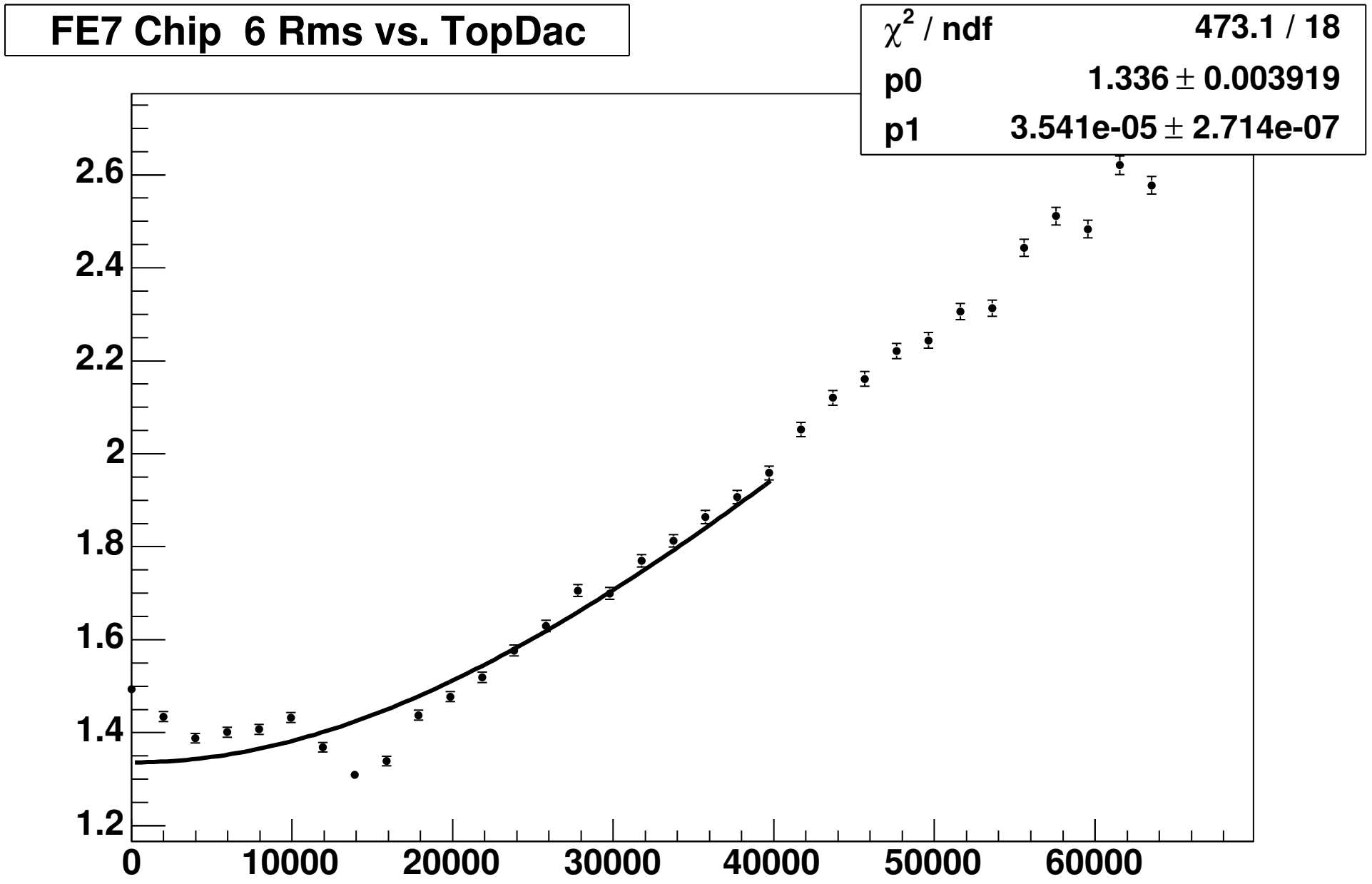

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 108.3 / 18
p0 71.46 ± 0.007096
p1 -1.256e-06 ± 2.983e-07
71.5
71.45
71.4
71.35
71.3
0
10000
20000
30000
40000
50000
60000

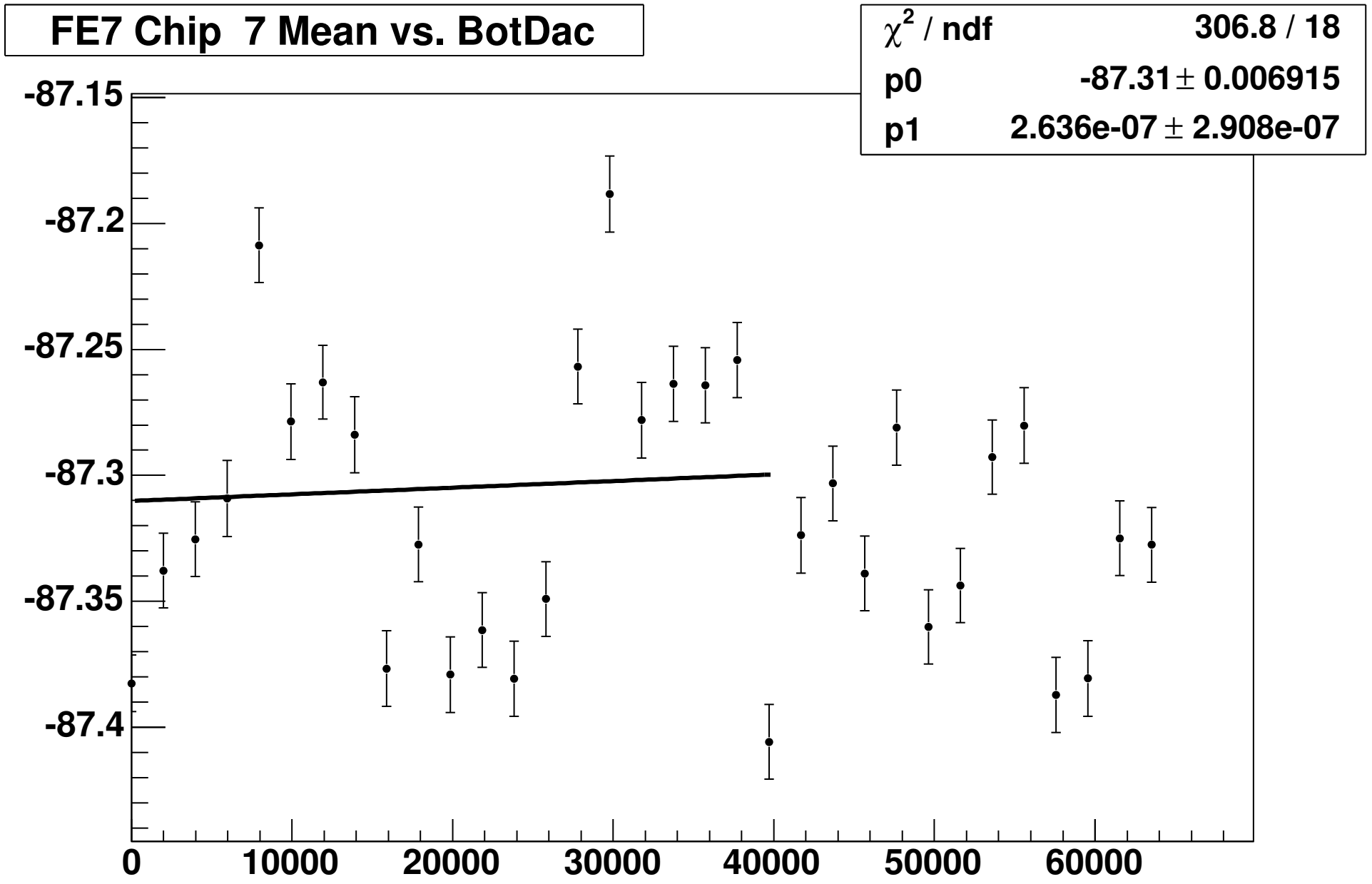

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 14.43 / 18
p0 1.438 ± 0.002429
p1 -2.307e-13 ± 5.867e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

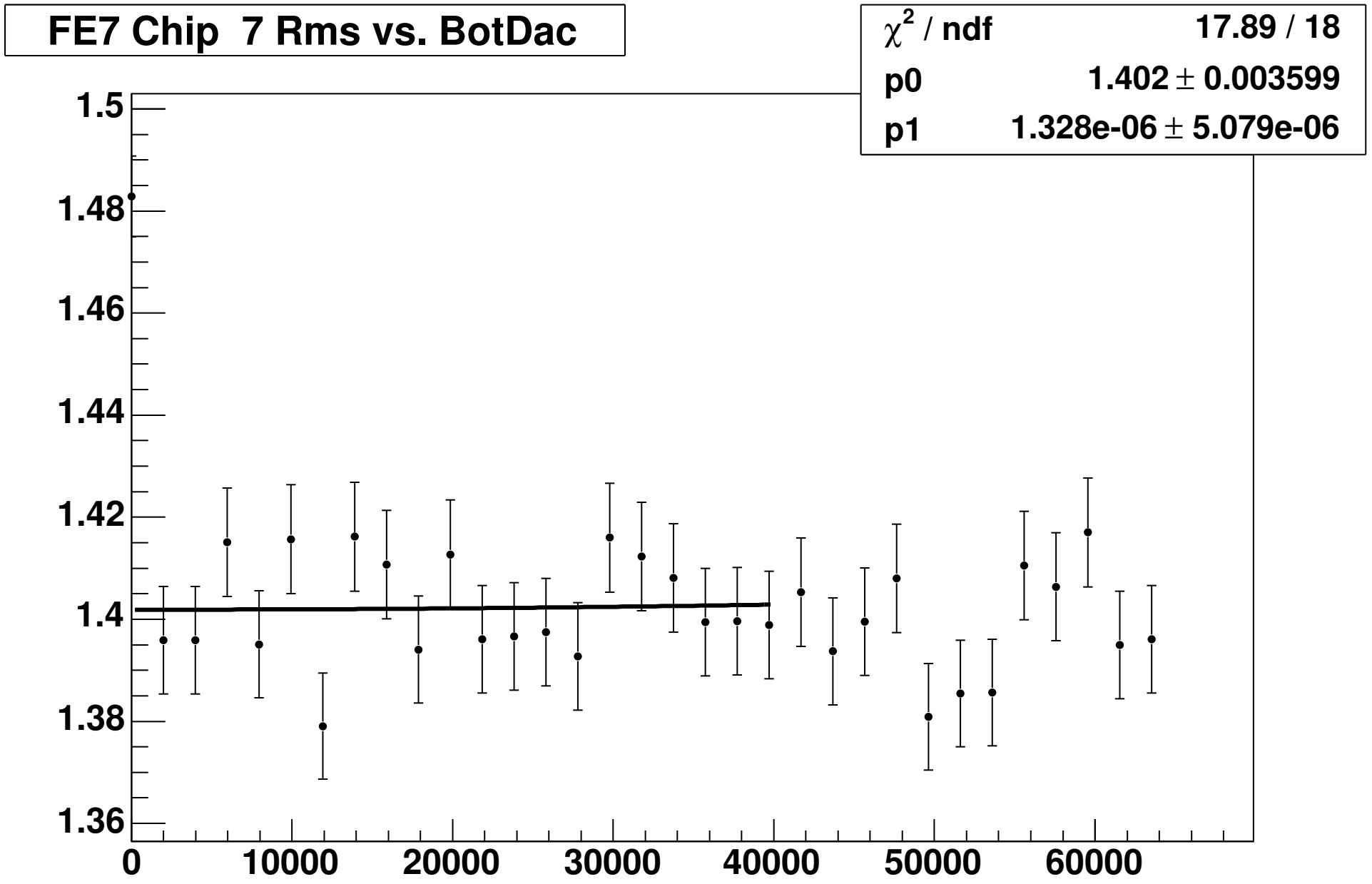

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 297.6 / 18
p0 -90.44 ± 0.006955
p1 -6.359e-08 ± 2.926e-07
-90.3
-90.35
-90.4
-90.45
-90.5
-90.55
0
10000
20000
30000
40000
50000
60000

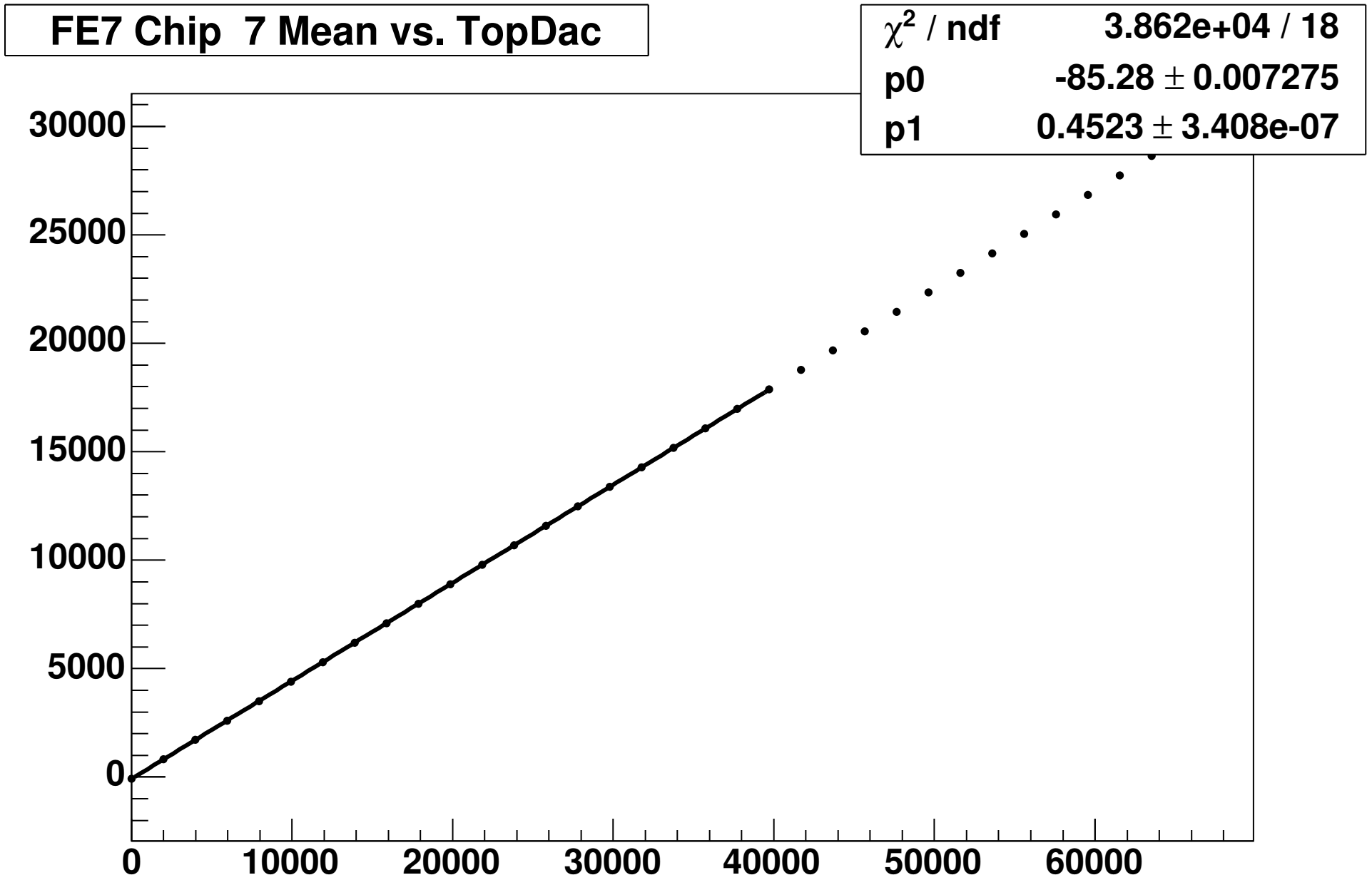

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 16.44 / 18
p0 1.412 ± 0.003626
p1 2.065e-06 ± 3.316e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000

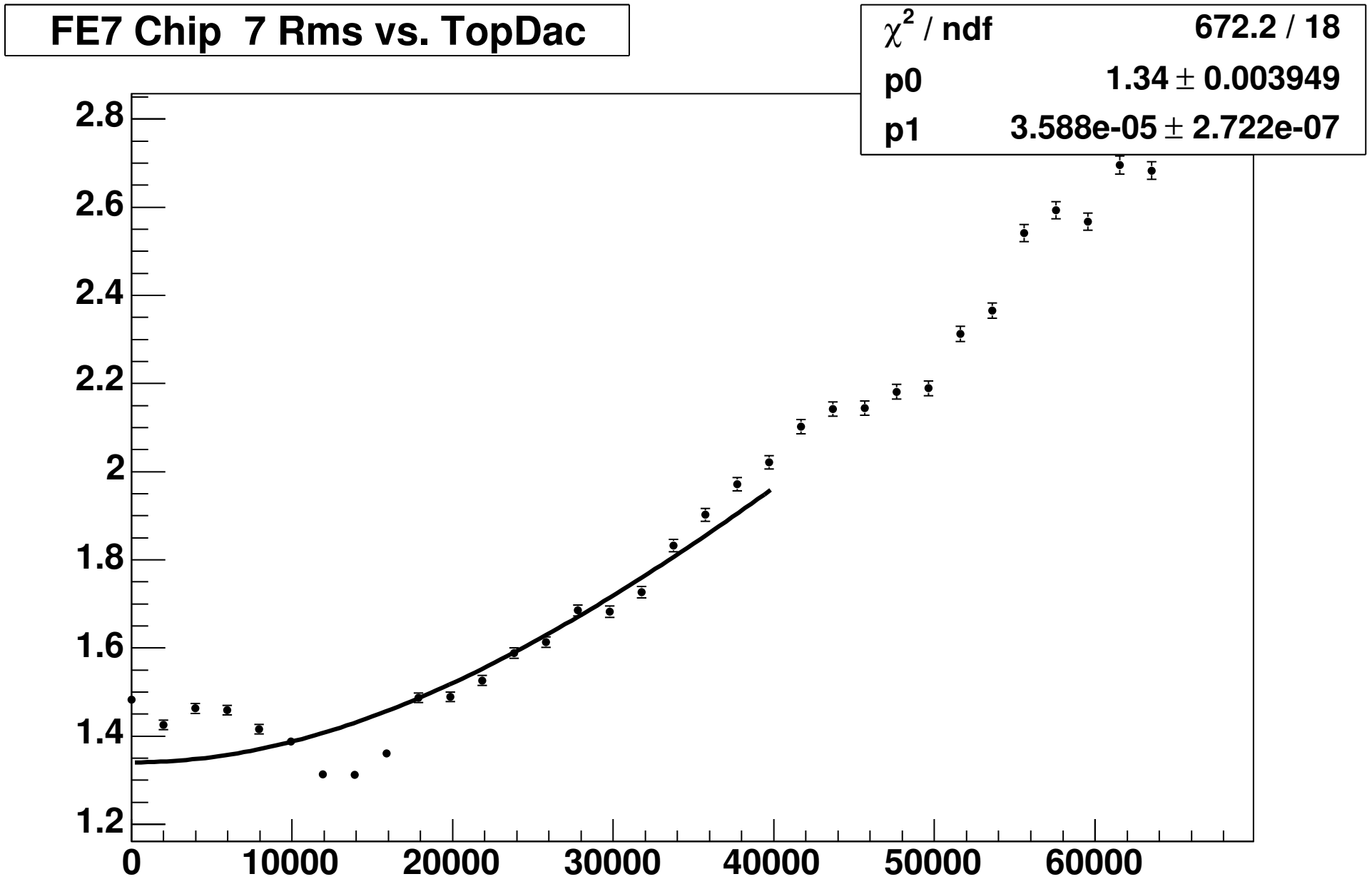

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 5.332e+04 / 18
p0 -88.28 ± 0.007192
p1 0.4523 ± 3.364e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

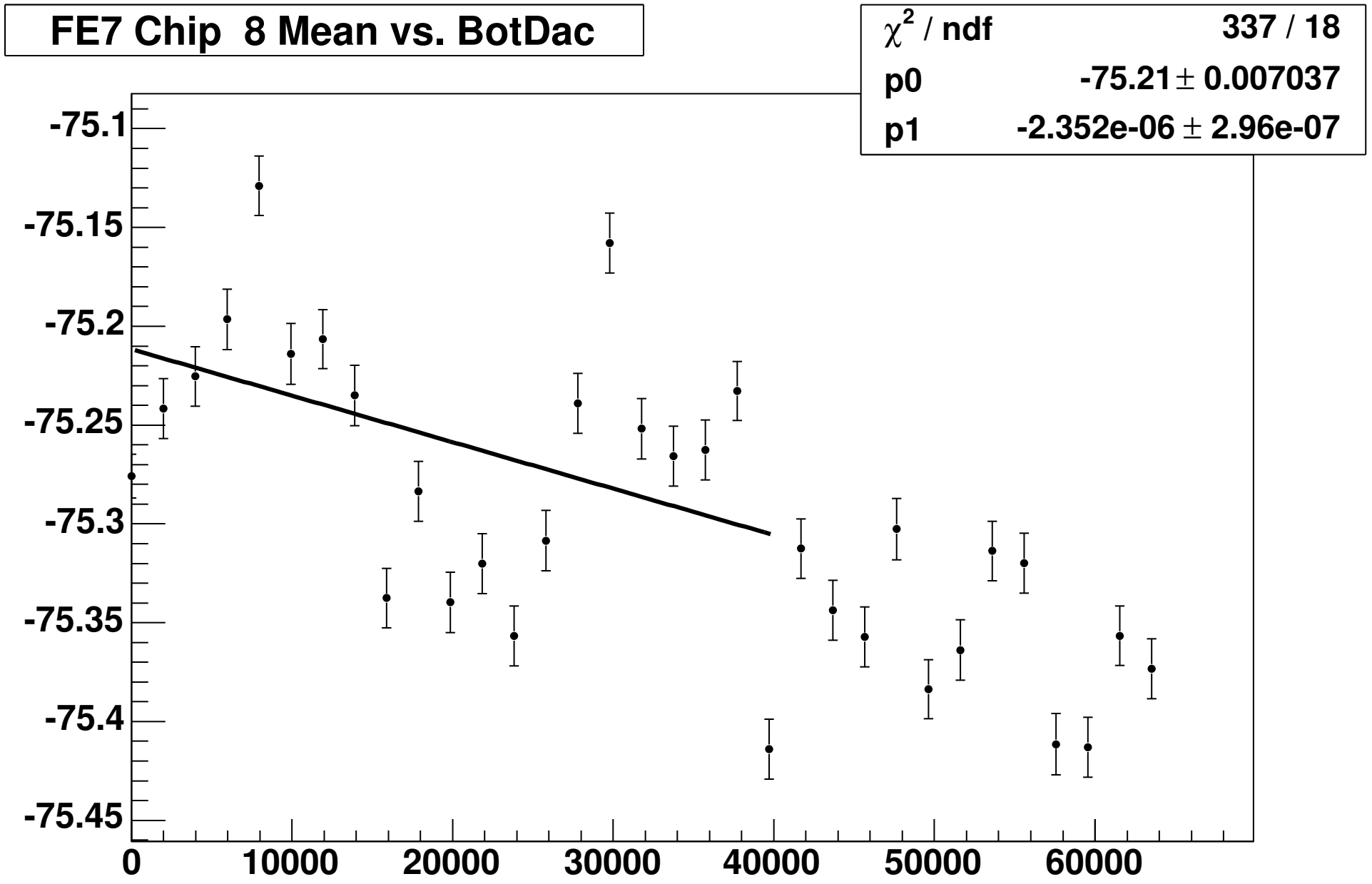

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 473.1 / 18
p0 1.336 ± 0.003919
p1 3.541e-05 ± 2.714e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

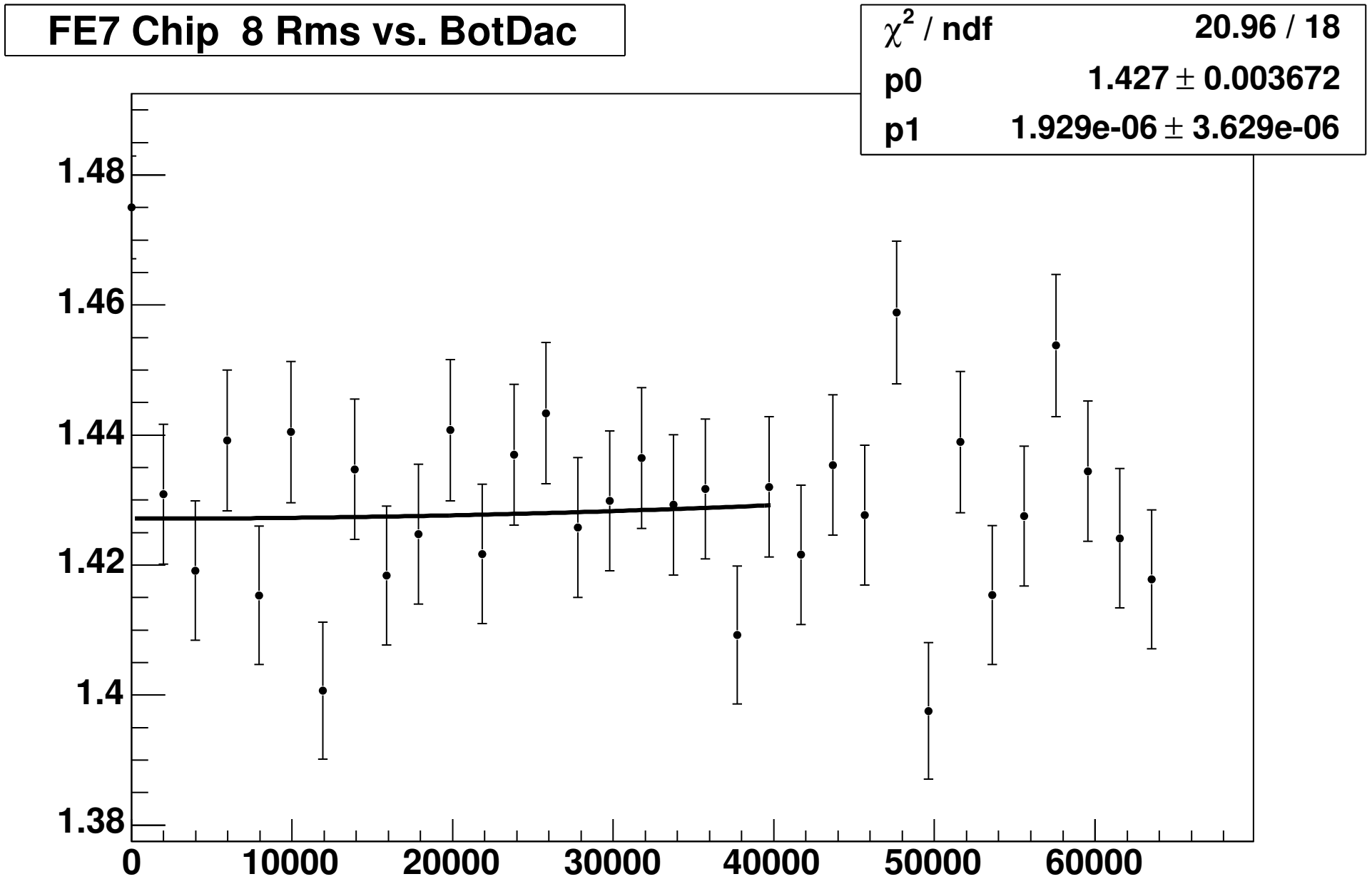

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 306.8 / 18
p0 -87.31 ± 0.006915
p1 2.636e-07 ± 2.908e-07
-87.15
-87.2
-87.25
-87.3
-87.35
-87.4
0
10000
20000
30000
40000
50000
60000

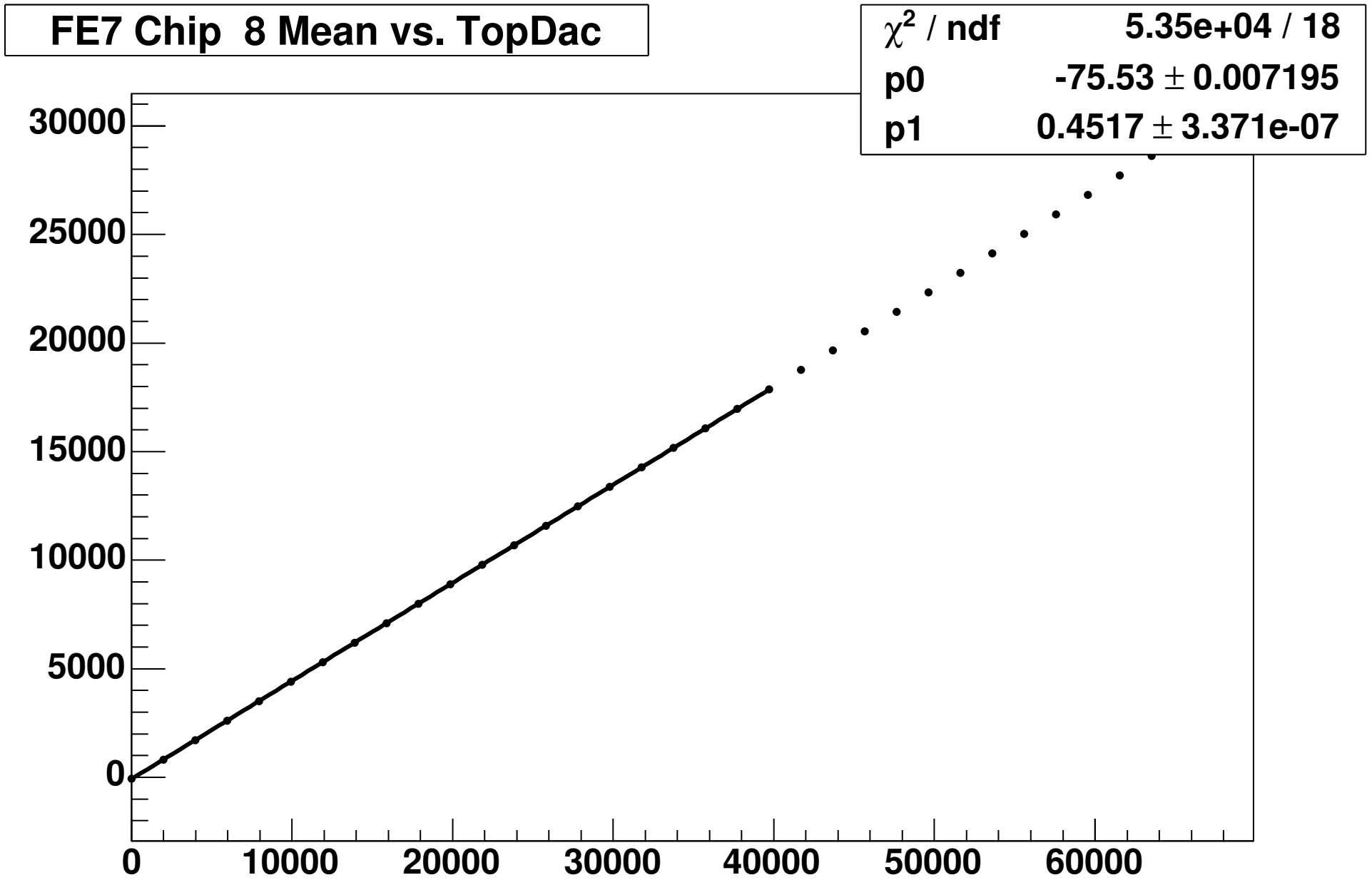

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 17.89 / 18
p0 1.402 ± 0.003599
p1 1.328e-06 ± 5.079e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000

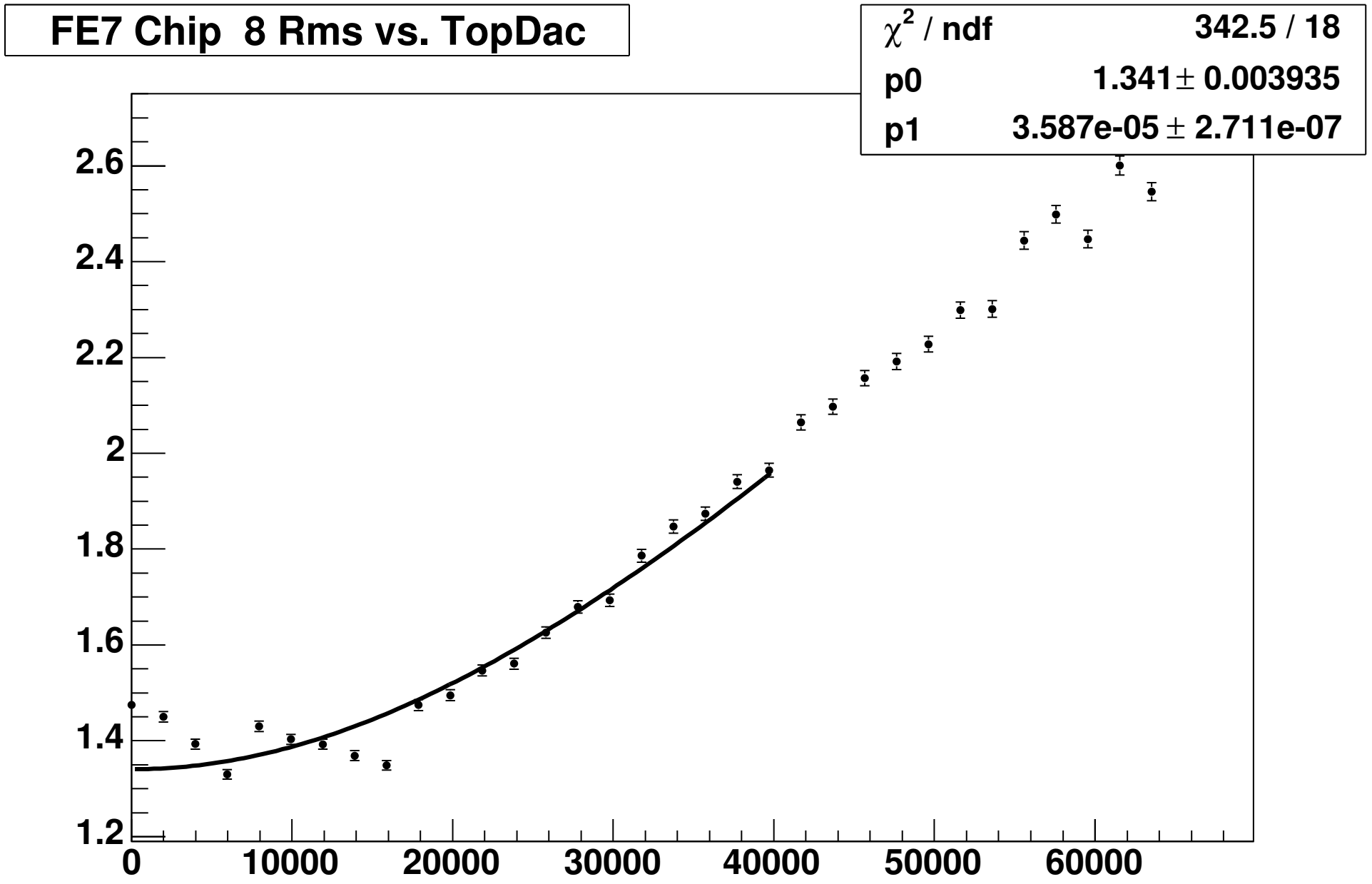

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 3.862e+04 / 18
p0 -85.28 ± 0.007275
p1 0.4523 ± 3.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

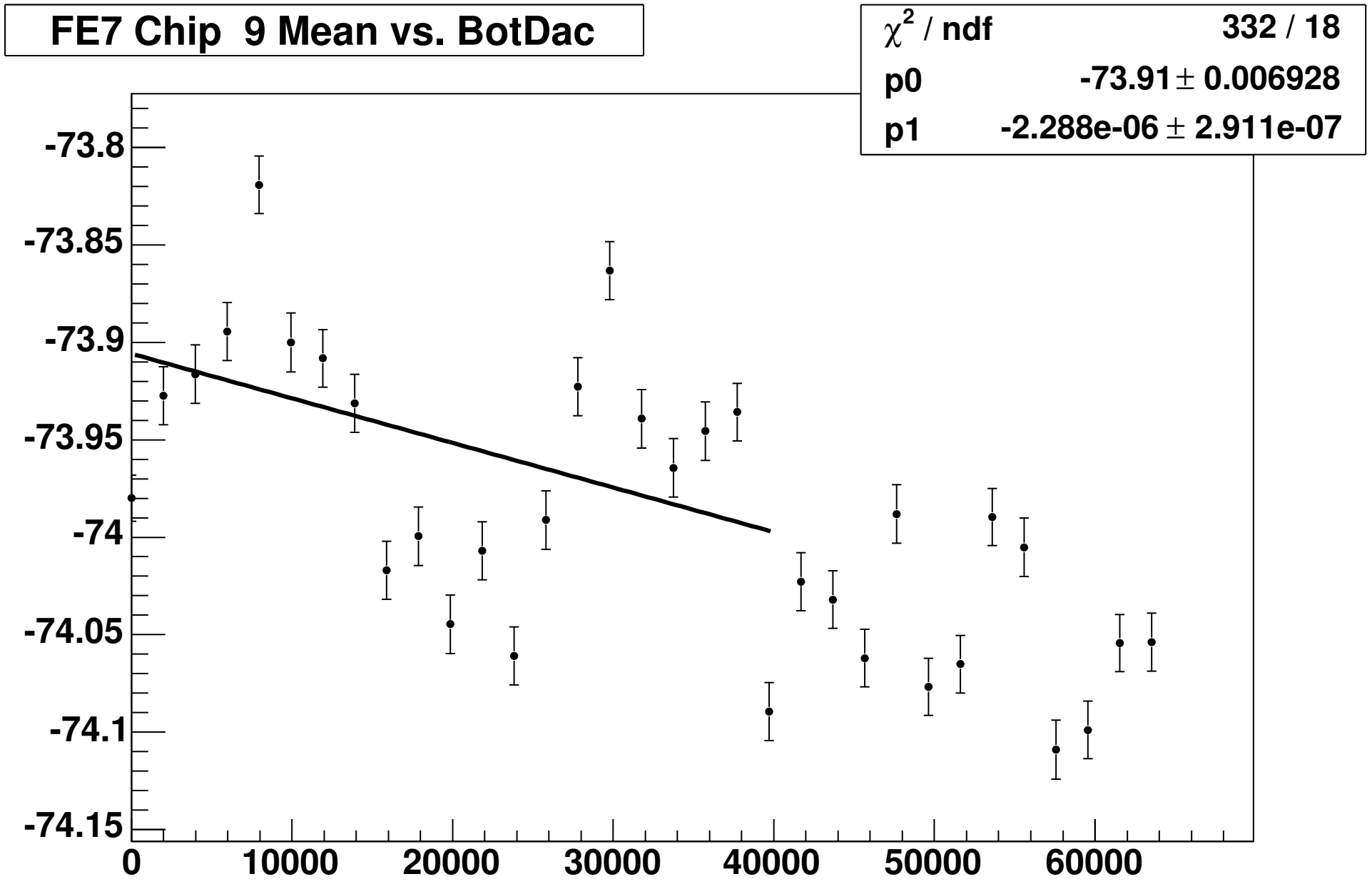

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 672.2 / 18
p0 1.34 ± 0.003949
p1 3.588e-05 ± 2.722e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

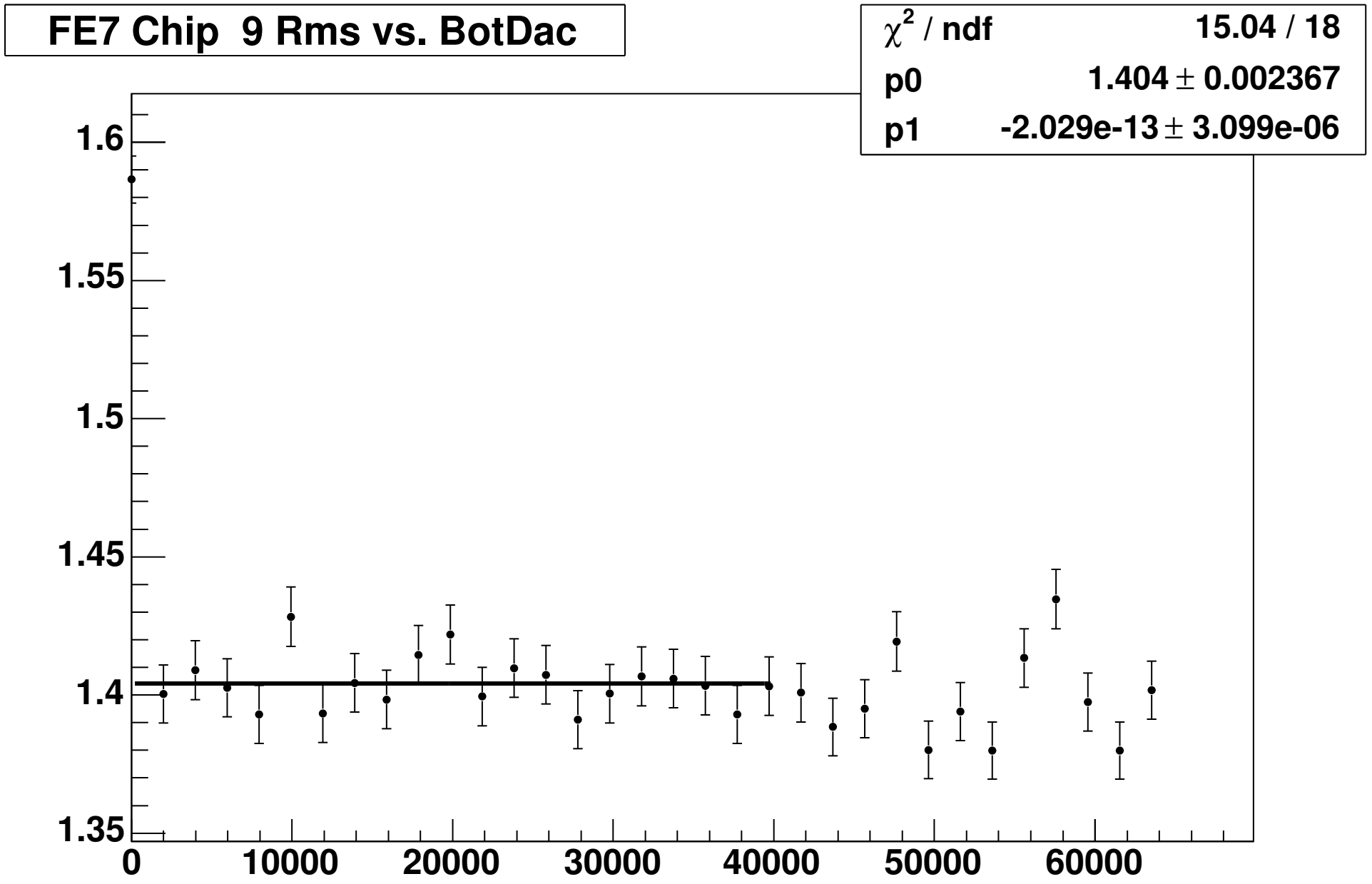

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 337 / 18
p0 -75.21 ± 0.007037
p1 -2.352e-06 ± 2.96e-07
-75.1
-75.15
-75.2
-75.25
-75.3
-75.35
-75.4
-75.45
0
10000
20000
30000
40000
50000
60000

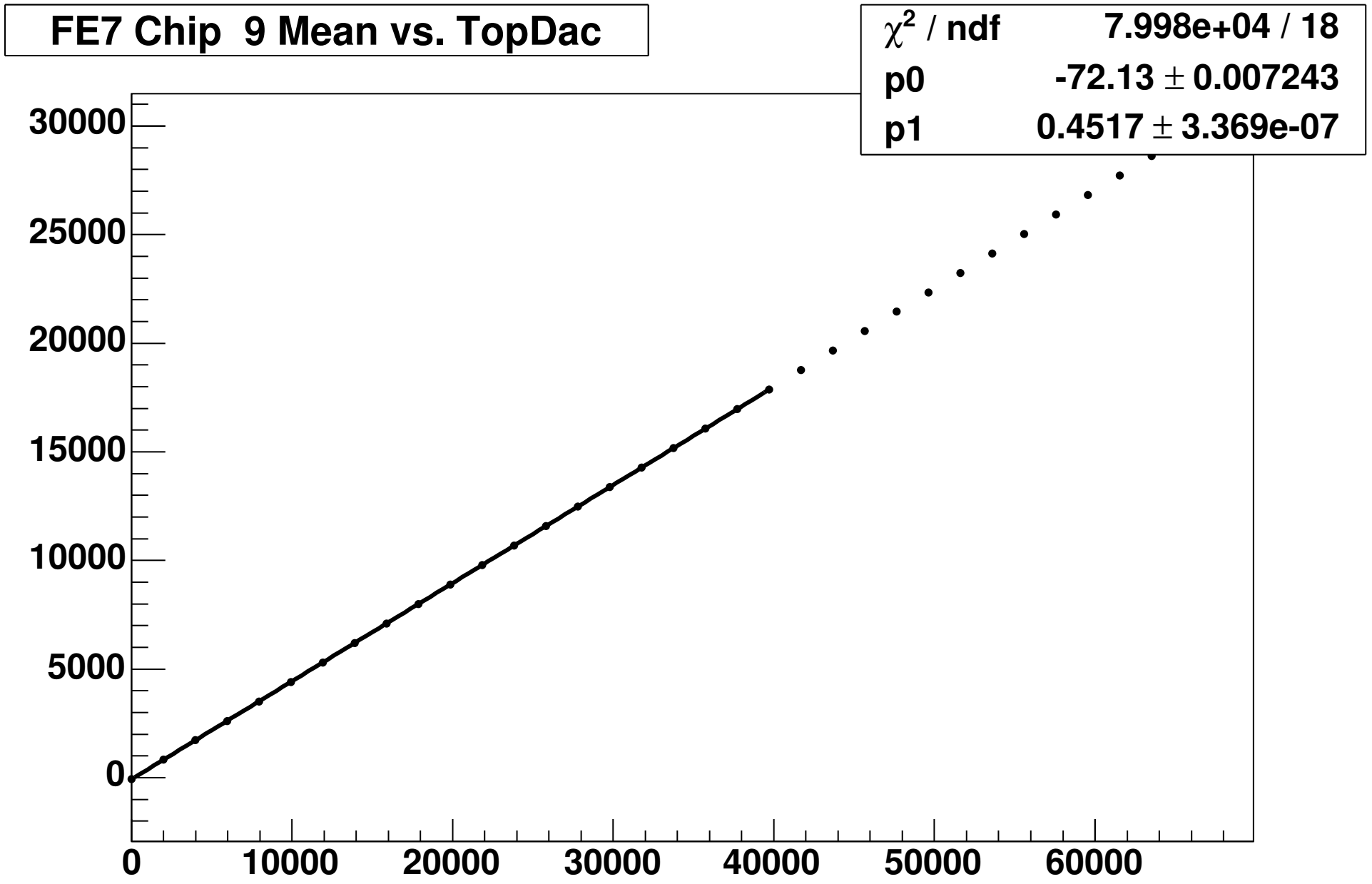

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 20.96 / 18
p0 1.427 ± 0.003672
p1 1.929e-06 ± 3.629e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

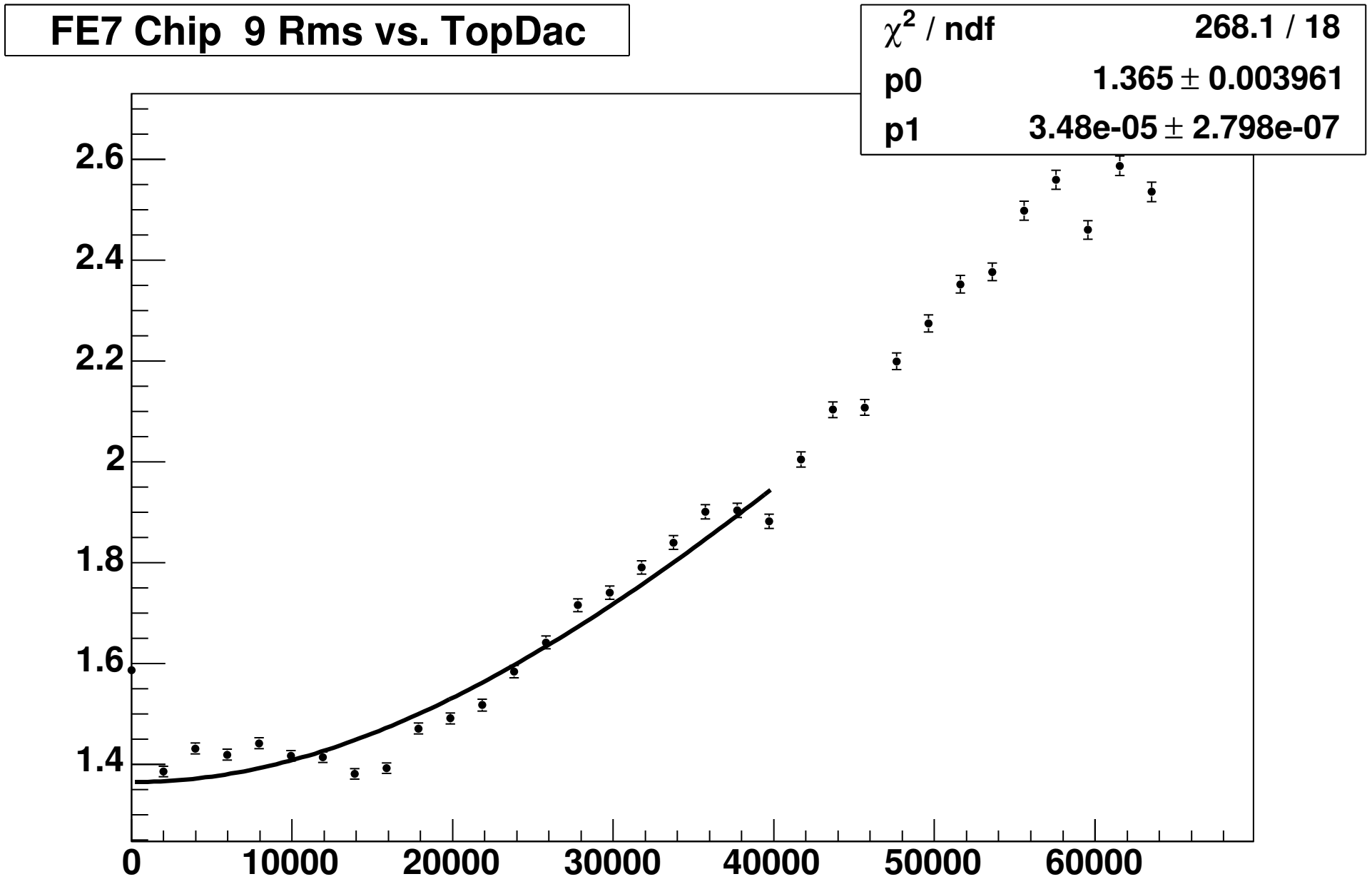

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 5.35e+04 / 18
p0 -75.53 ± 0.007195
p1 0.4517 ± 3.371e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

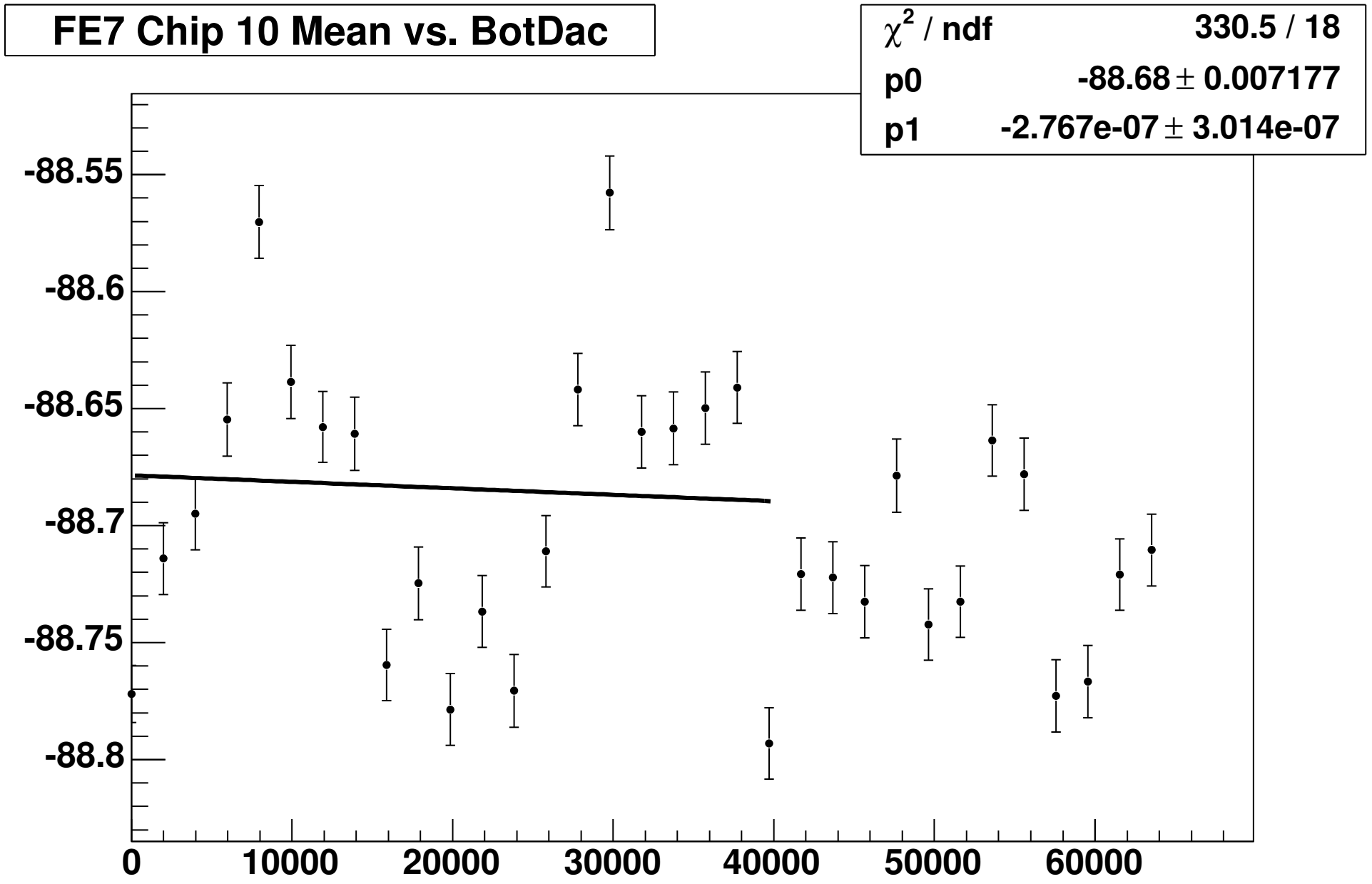

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 342.5 / 18
p0 1.341 ± 0.003935
p1 3.587e-05 ± 2.711e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

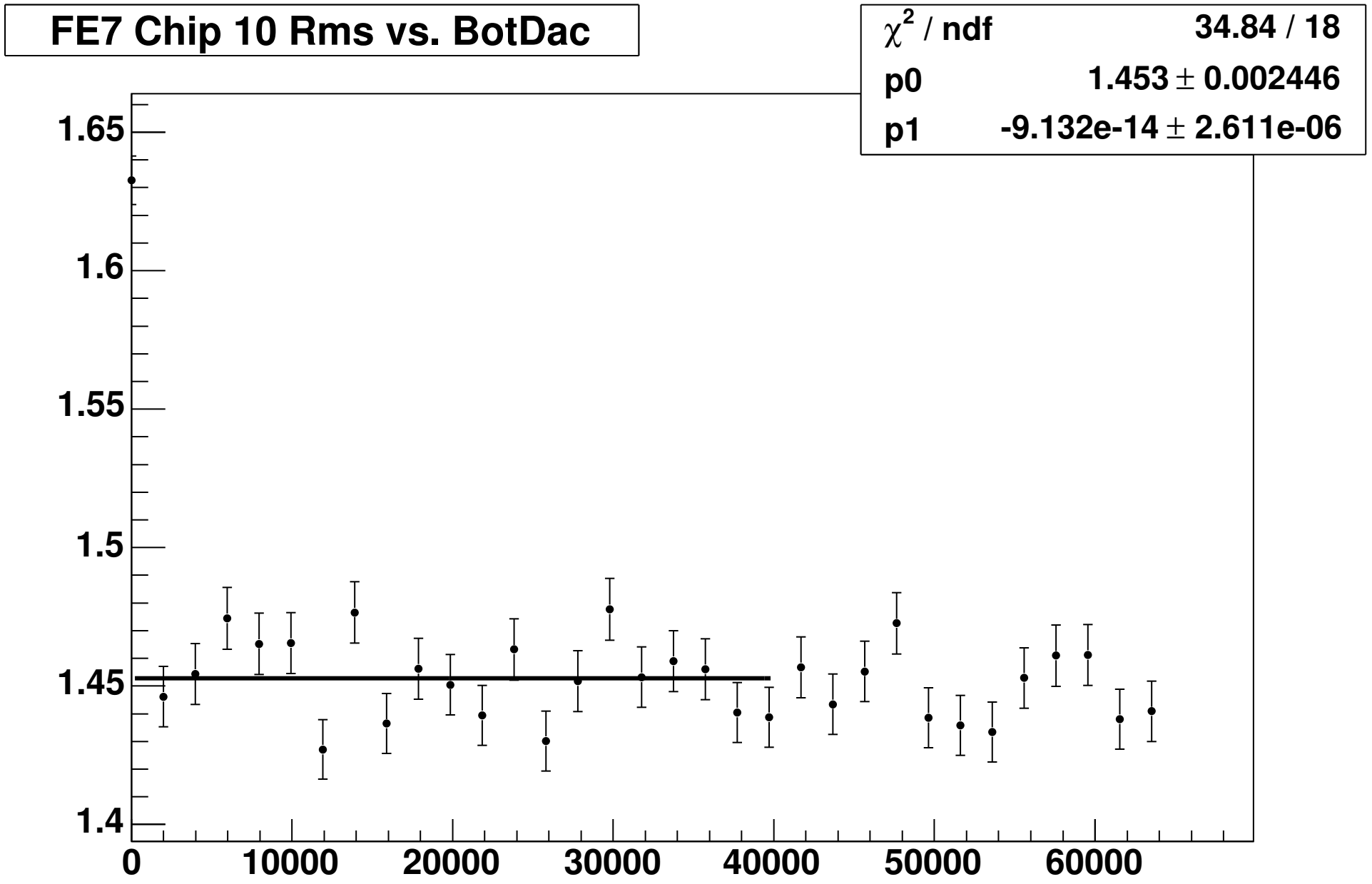

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 332 / 18
p0 -73.91 ± 0.006928
p1 -2.288e-06 ± 2.911e-07
-73.8
-73.85
-73.9
-73.95
-74
-74.05
-74.1
-74.15
0
10000
20000
30000
40000
50000
60000

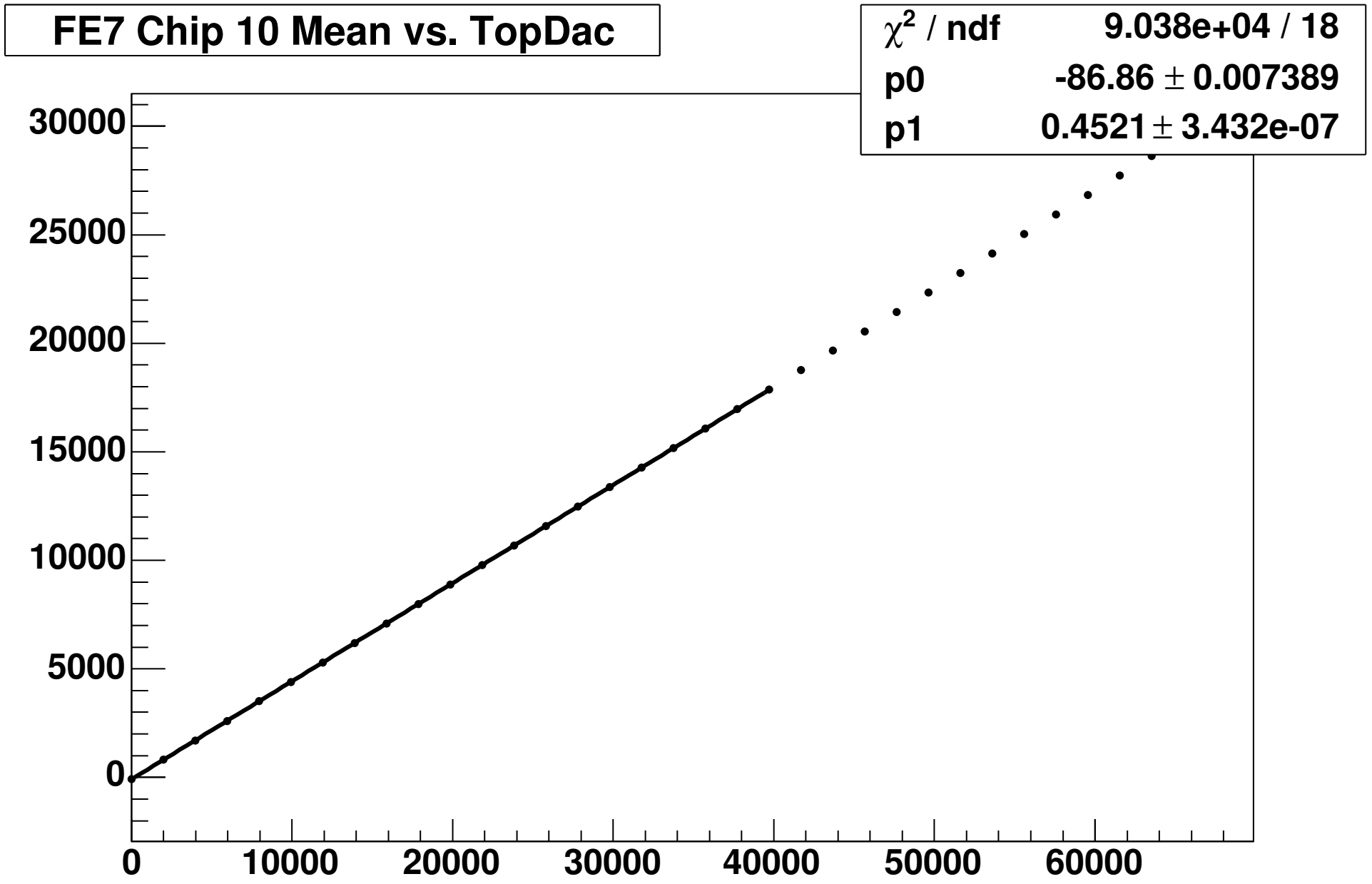

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 15.04 / 18
p0 1.404 ± 0.002367
p1 -2.029e-13 ± 3.099e-06
1.6
1.55
1.5
1.45
1.4
1.35
0
10000
20000
30000
40000
50000
60000

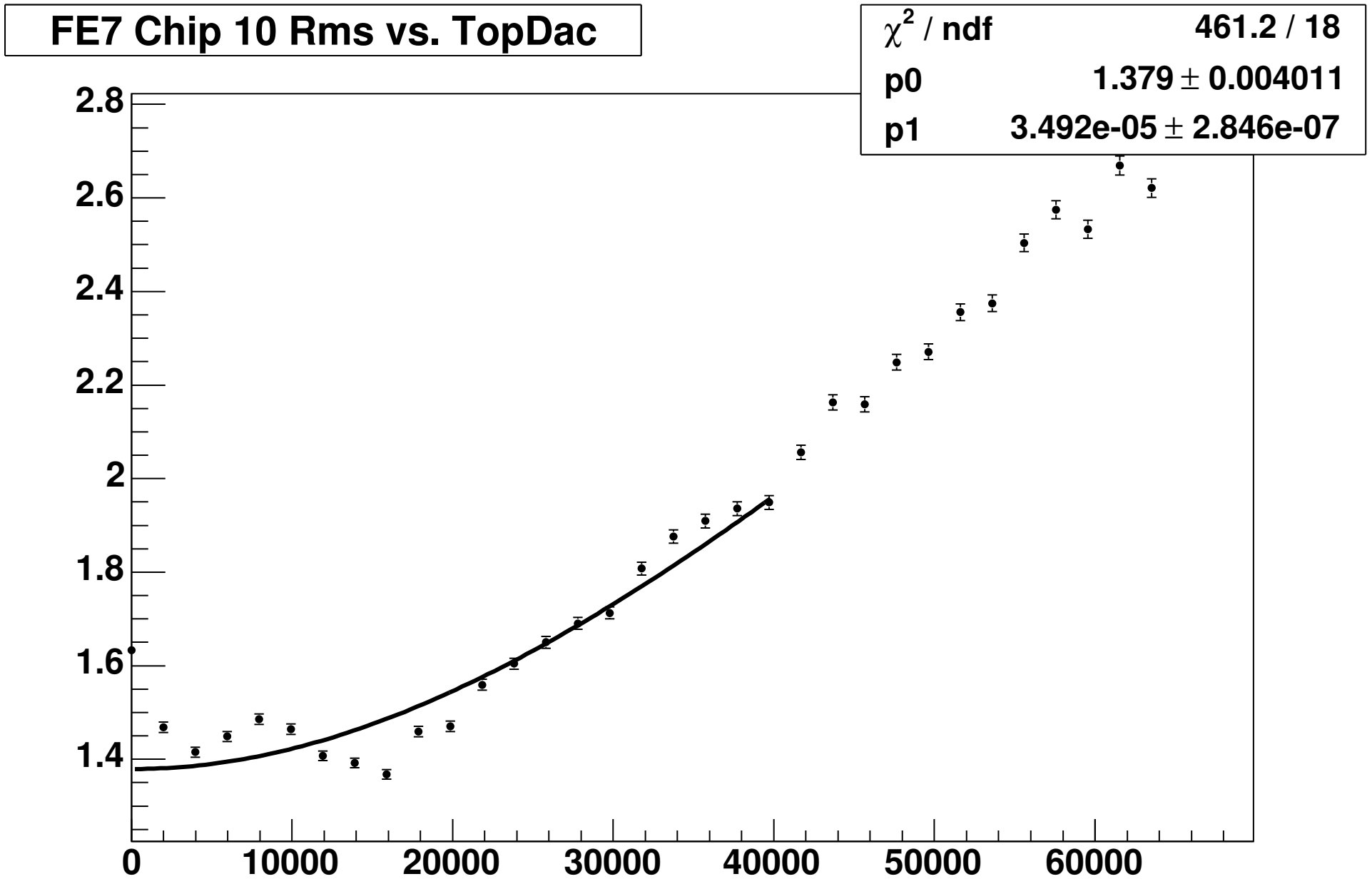

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 7.998e+04 / 18
p0 -72.13 ± 0.007243
p1 0.4517 ± 3.369e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

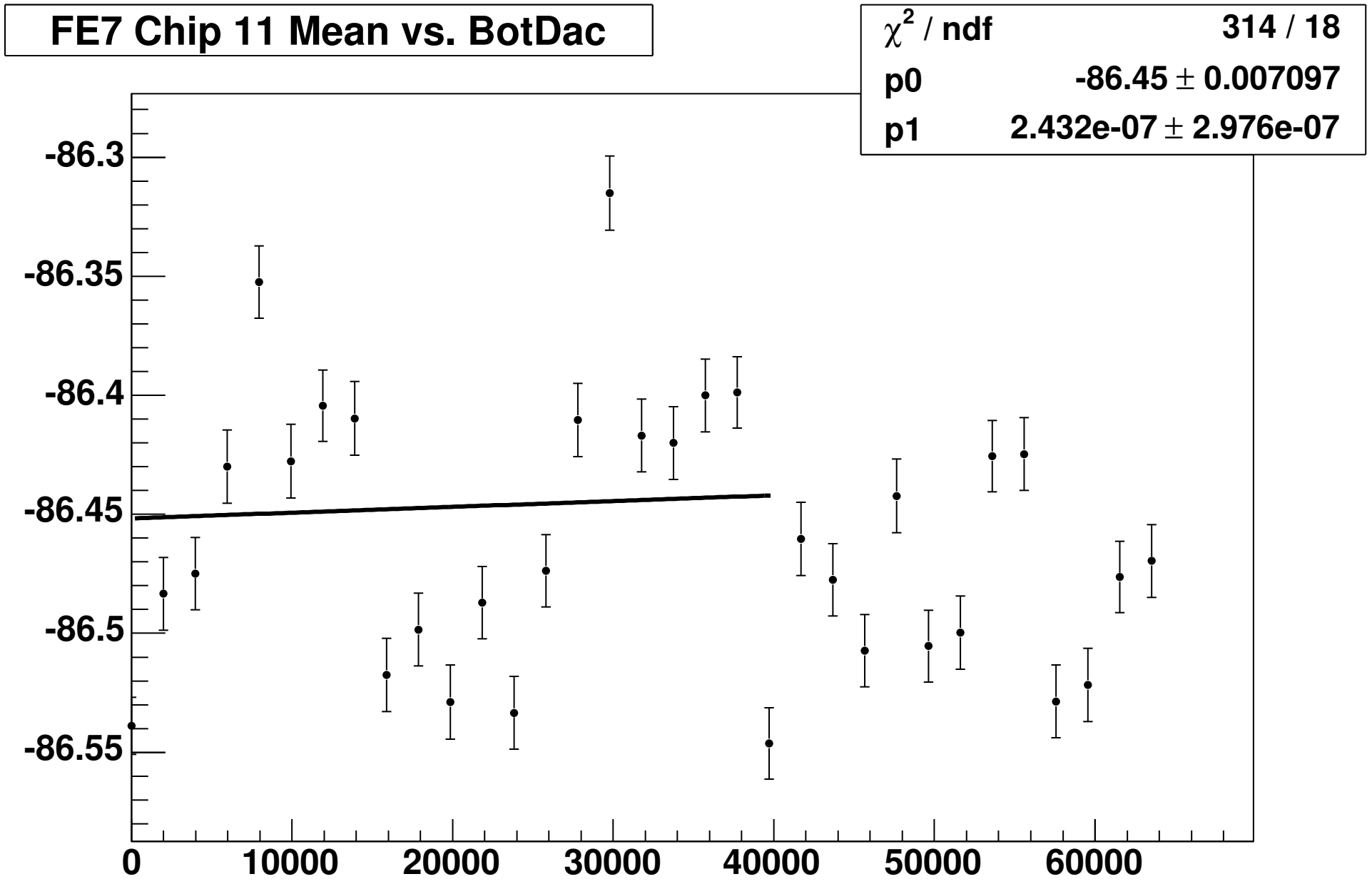

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 268.1 / 18
p0 1.365 ± 0.003961
p1 3.48e-05 ± 2.798e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

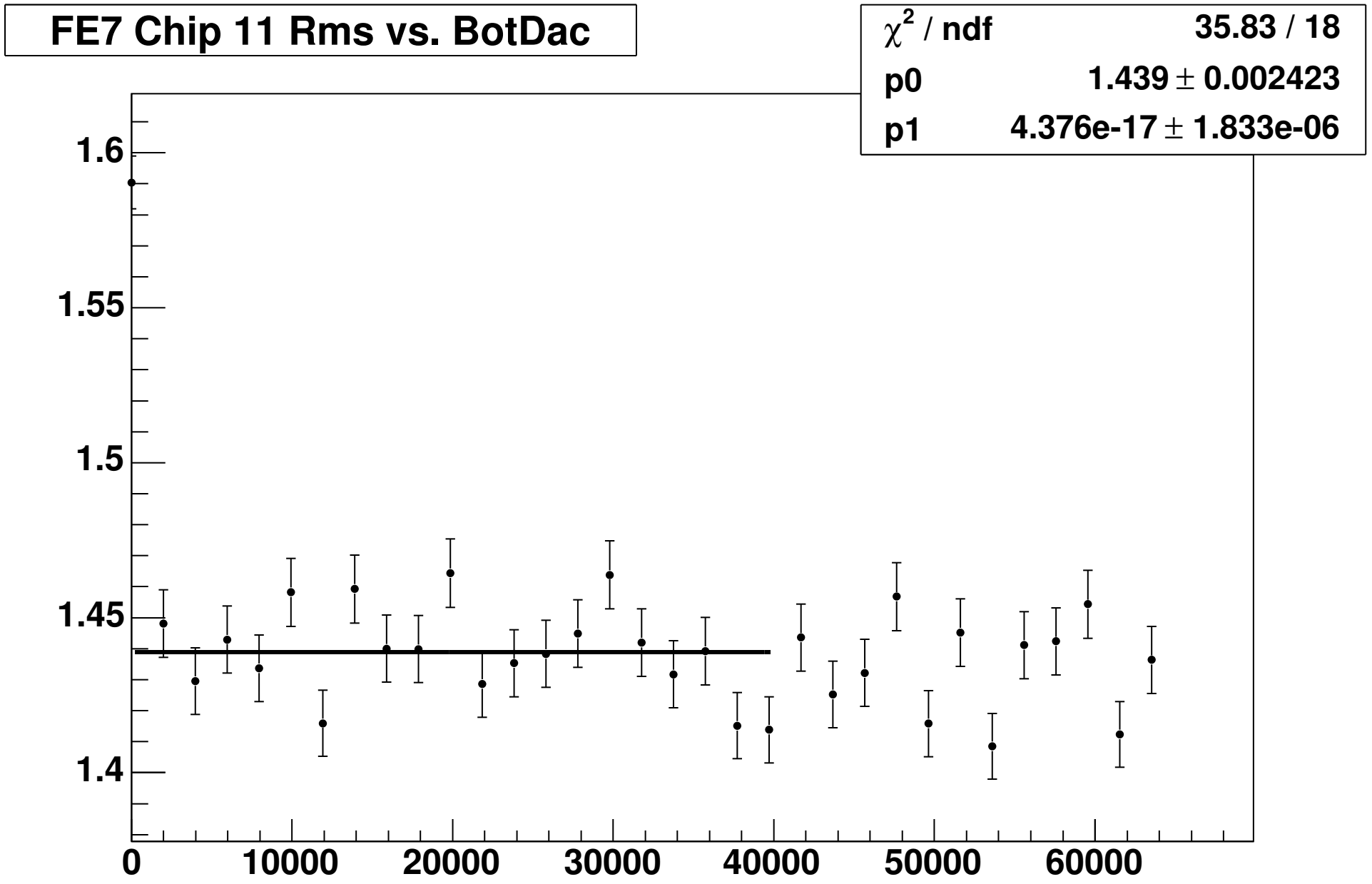

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 330.5 / 18
p0 -88.68 ± 0.007177
p1 -2.767e-07 ± 3.014e-07
-88.55
-88.6
-88.65
-88.7
-88.75
-88.8
0
10000
20000
30000
40000
50000
60000

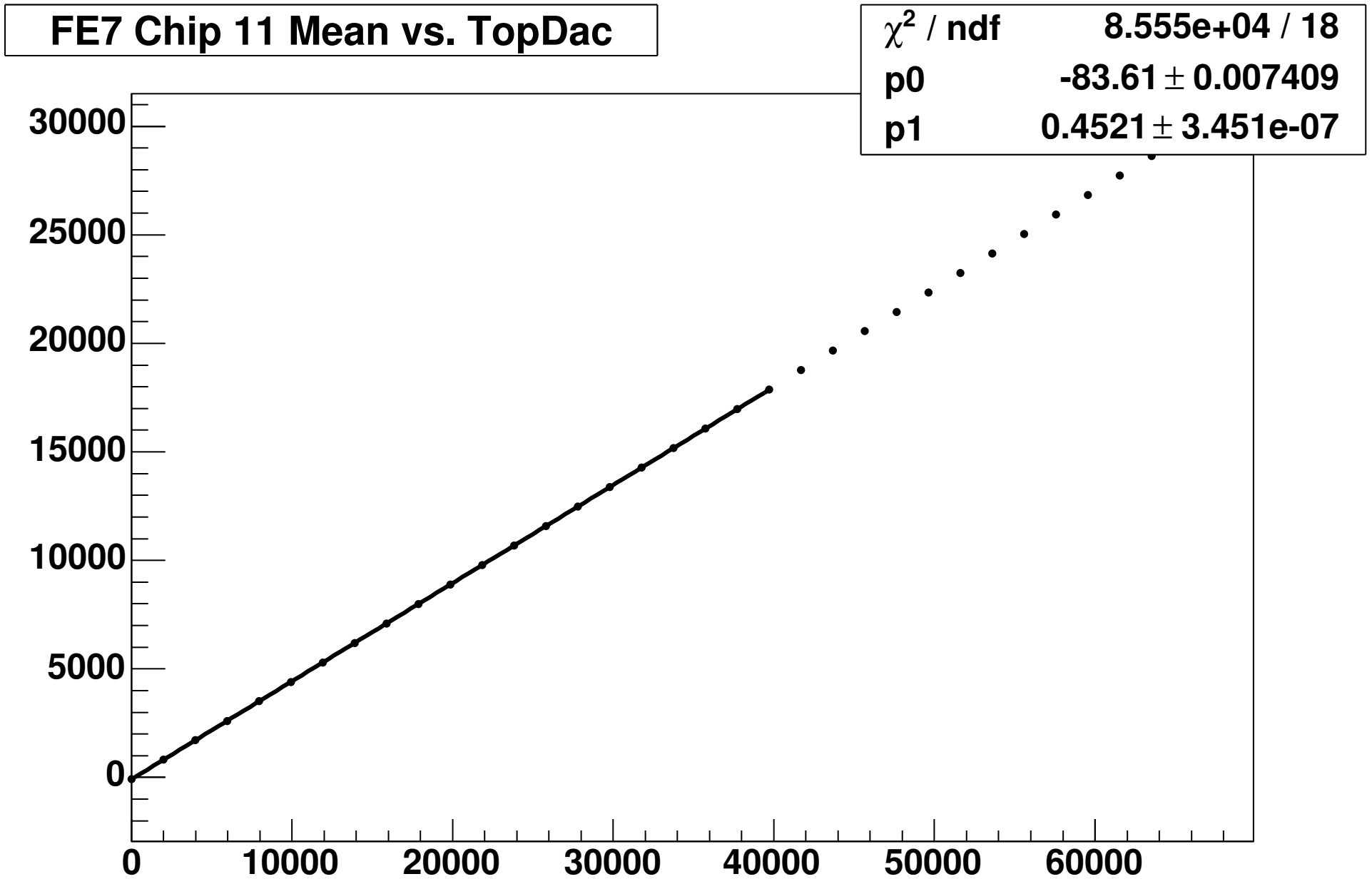

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 34.84 / 18
p0 1.453 ± 0.002446
p1 -9.132e-14 ± 2.611e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

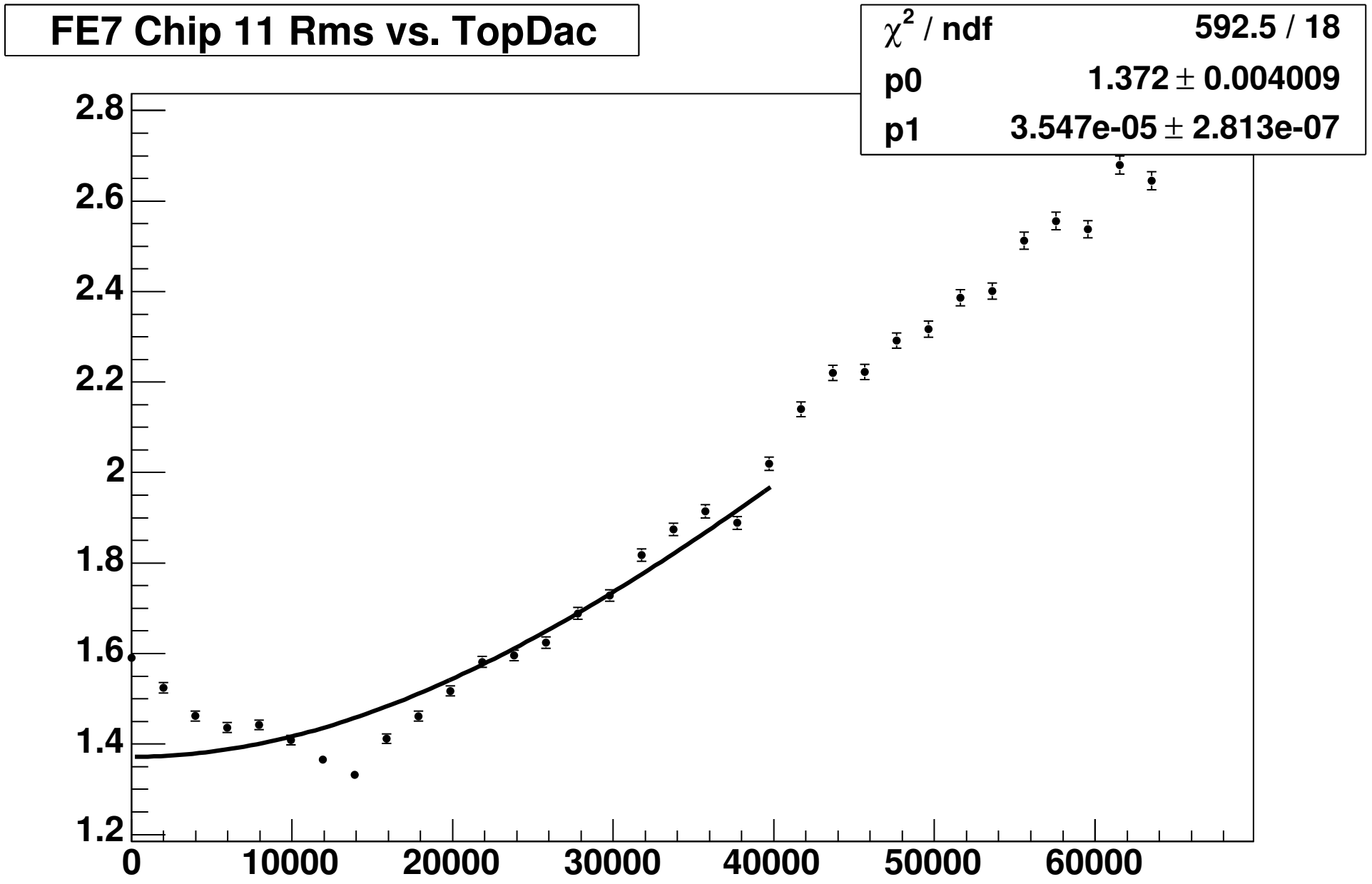

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 9.038e+04 / 18
p0 -86.86 ± 0.007389
p1 0.4521 ± 3.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

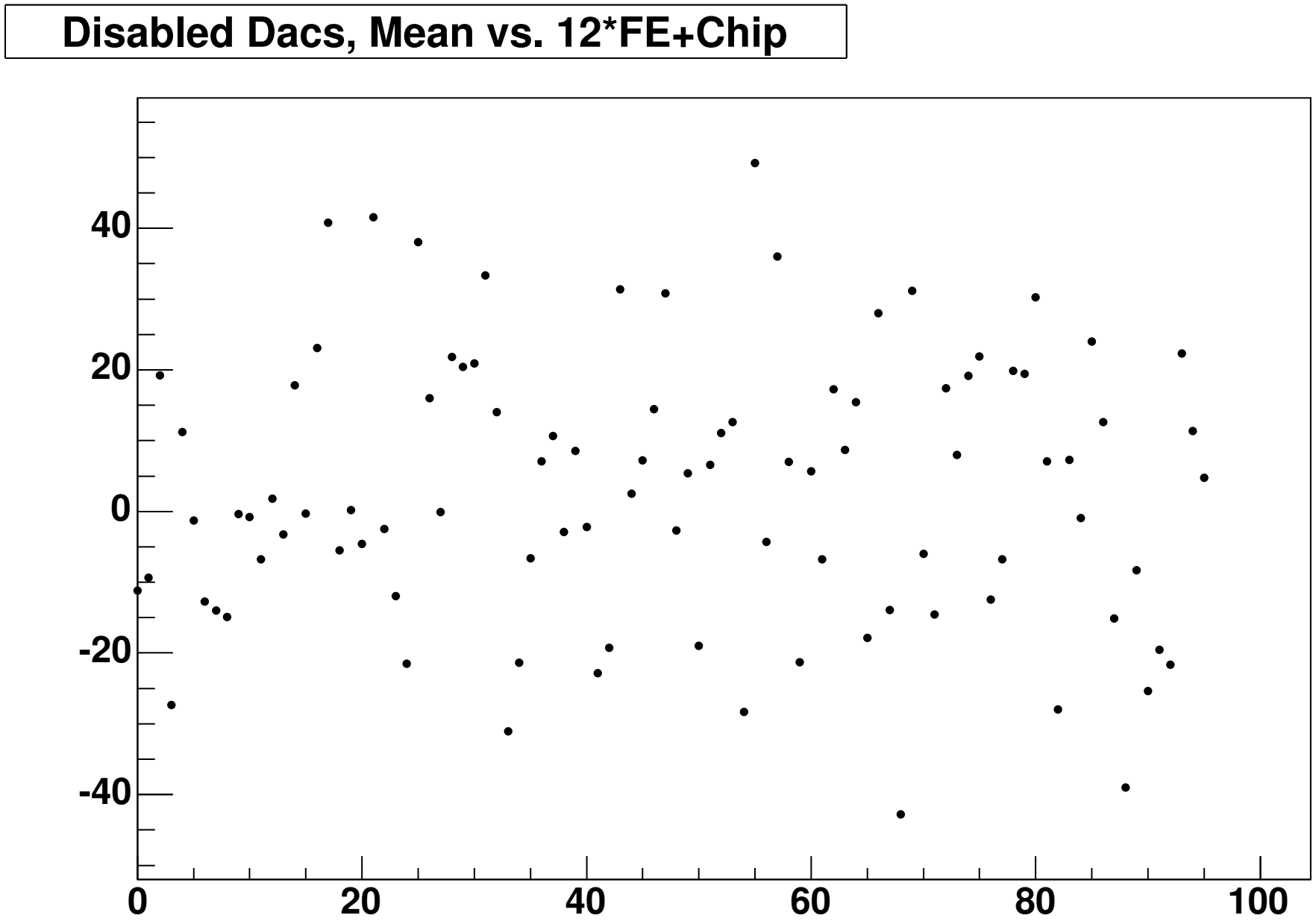

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 461.2 / 18
p0 1.379 ± 0.004011
p1 3.492e-05 ± 2.846e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

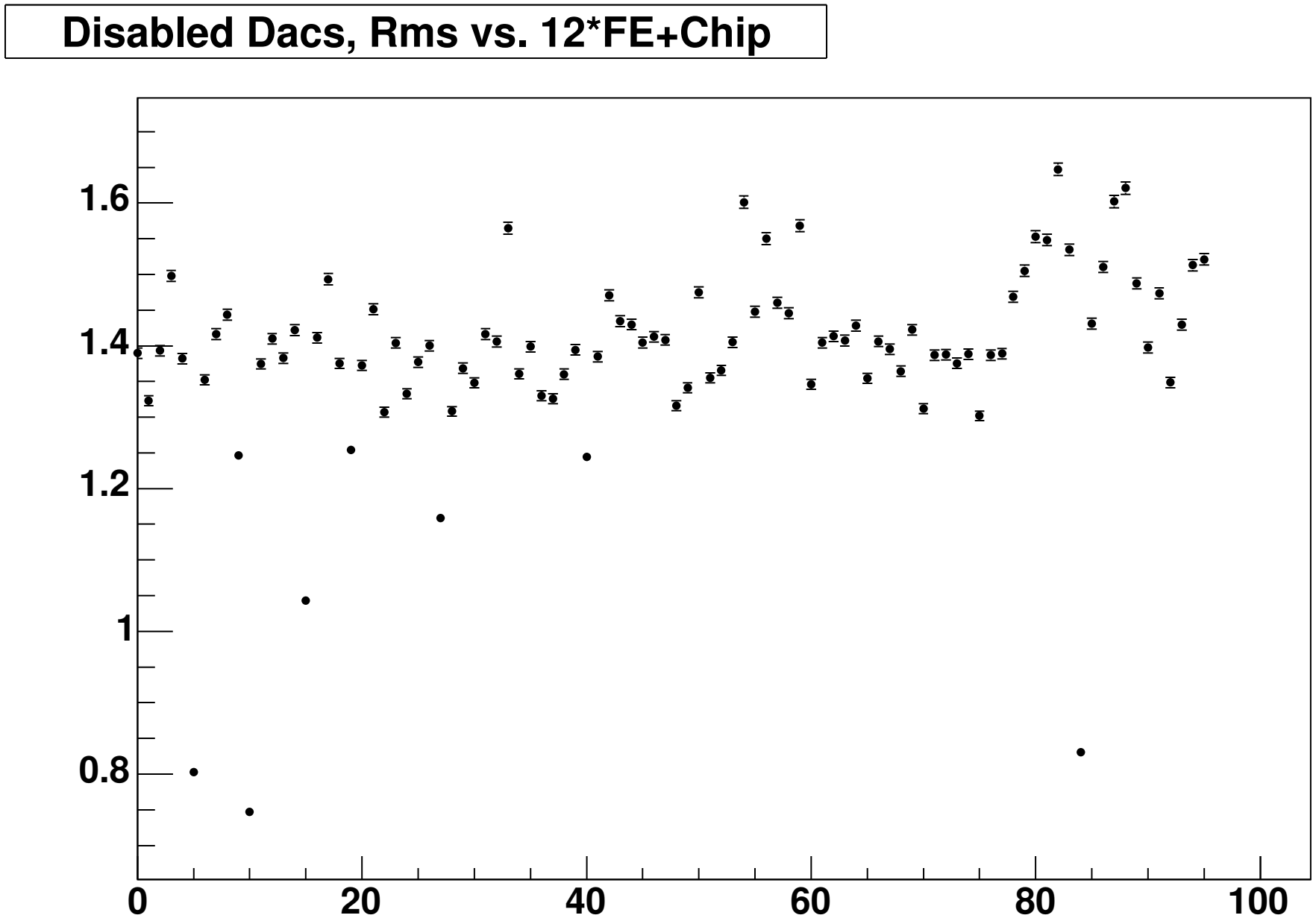

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 314 / 18
p0 -86.45 ± 0.007097
p1 2.432e-07 ± 2.976e-07
-86.3
-86.35
-86.4
-86.45
-86.5
-86.55
0
10000
20000
30000
40000
50000
60000

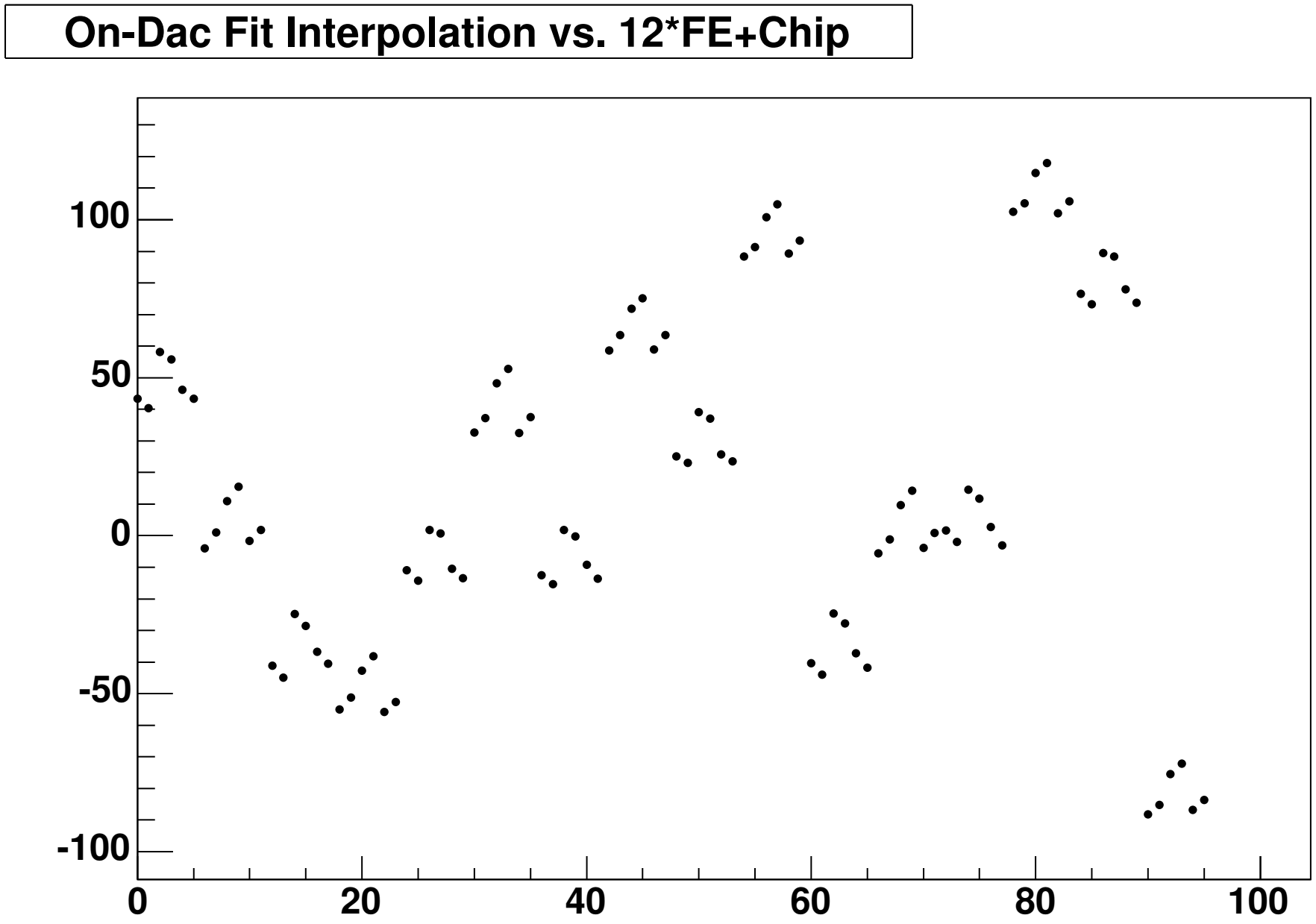

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 35.83 / 18
p0 1.439 ± 0.002423
p1 4.376e-17 ± 1.833e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

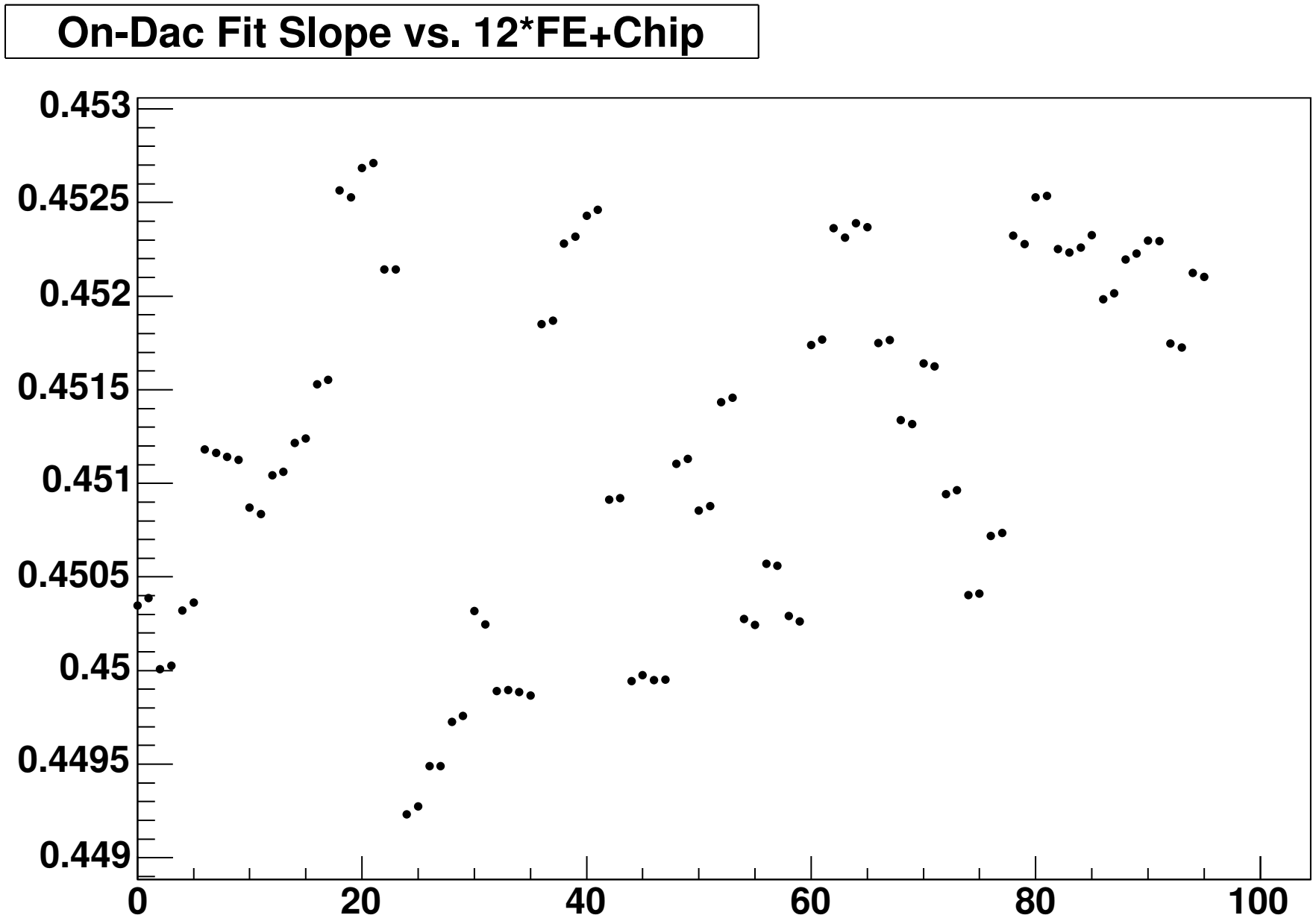

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 8.555e+04 / 18
p0 -83.61 ± 0.007409
p1 0.4521 ± 3.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

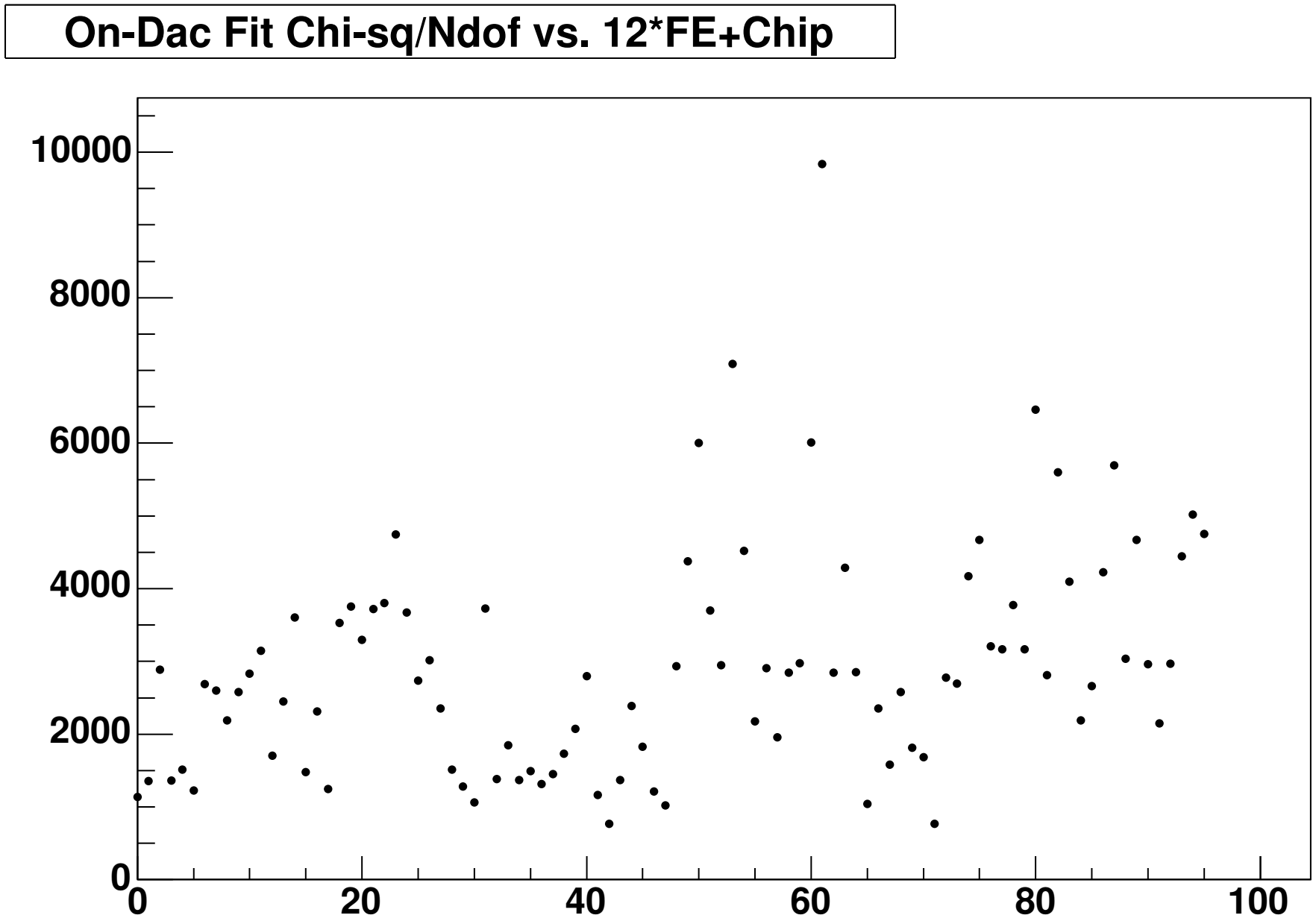

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 592.5 / 18
p0 1.372 ± 0.004009
p1 3.547e-05 ± 2.813e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

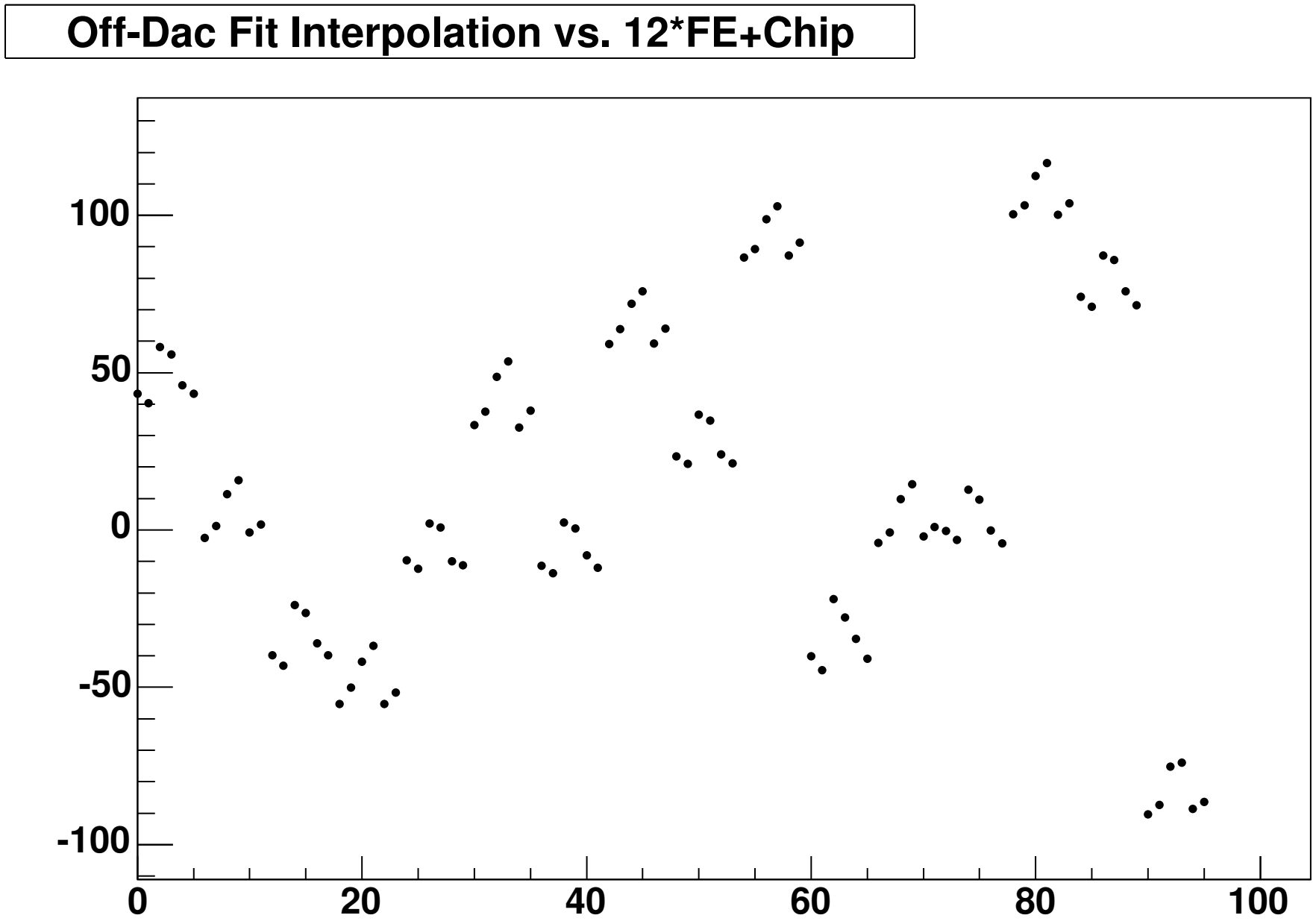

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

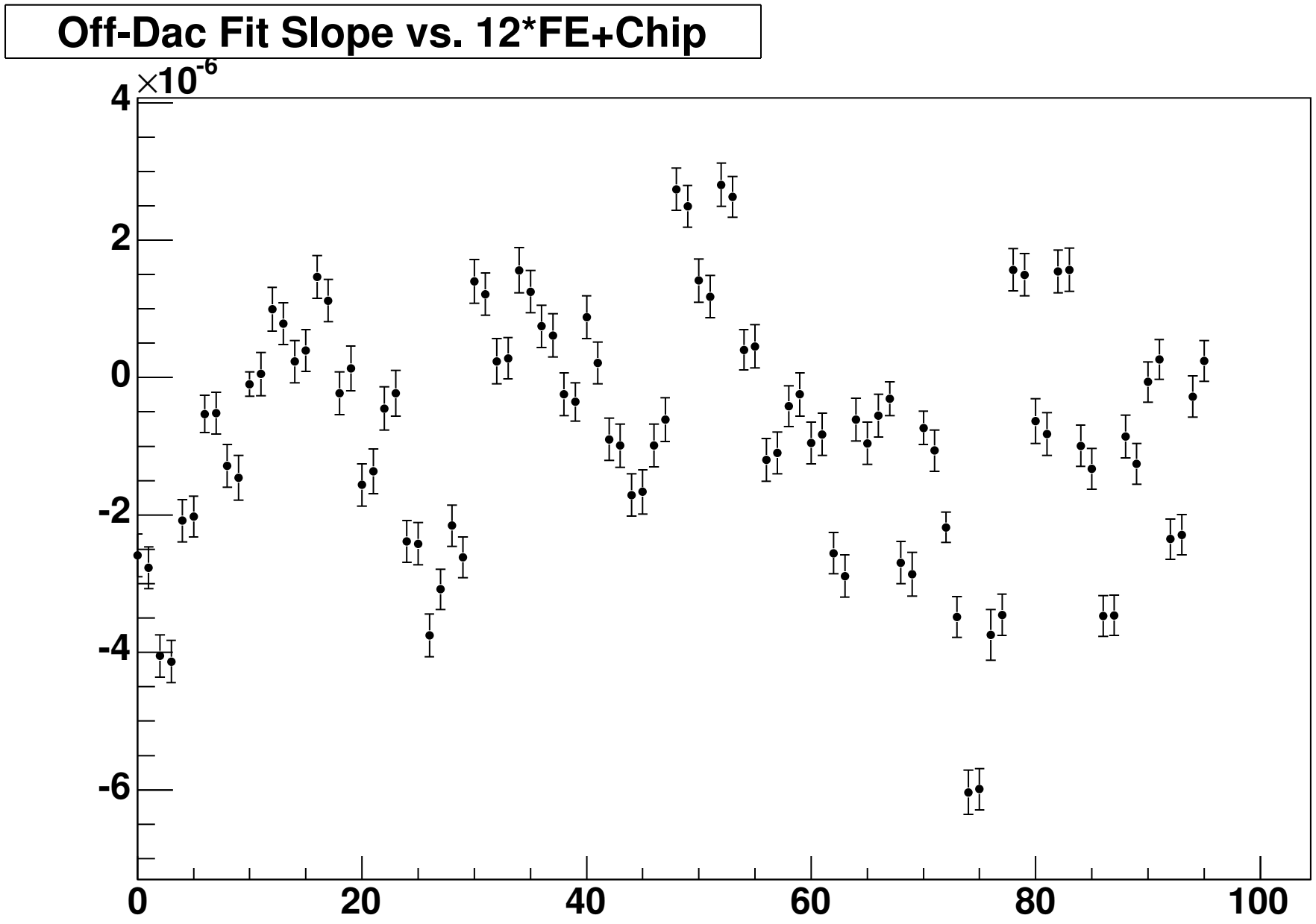

Disabled Dacs, Rms vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

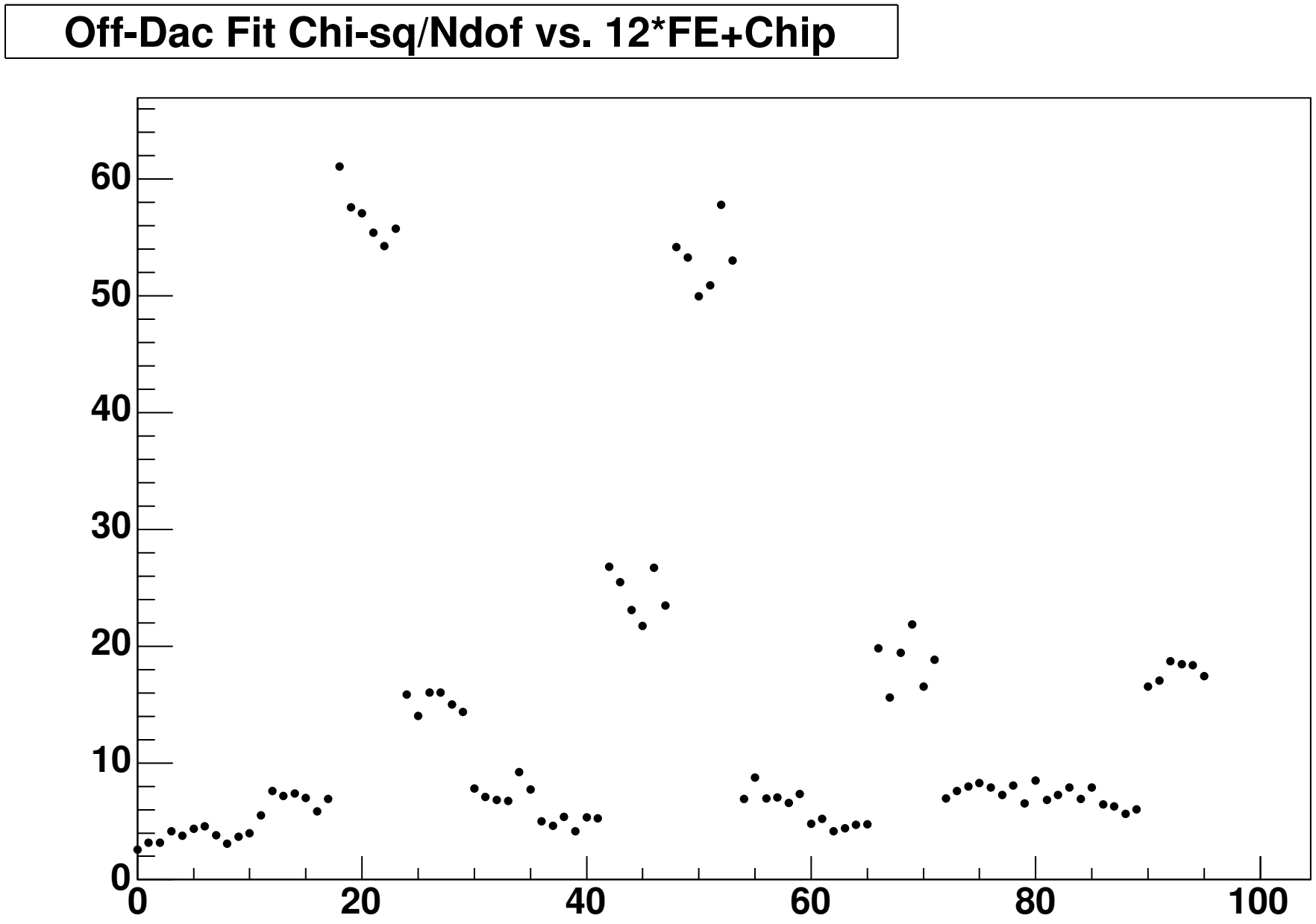

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

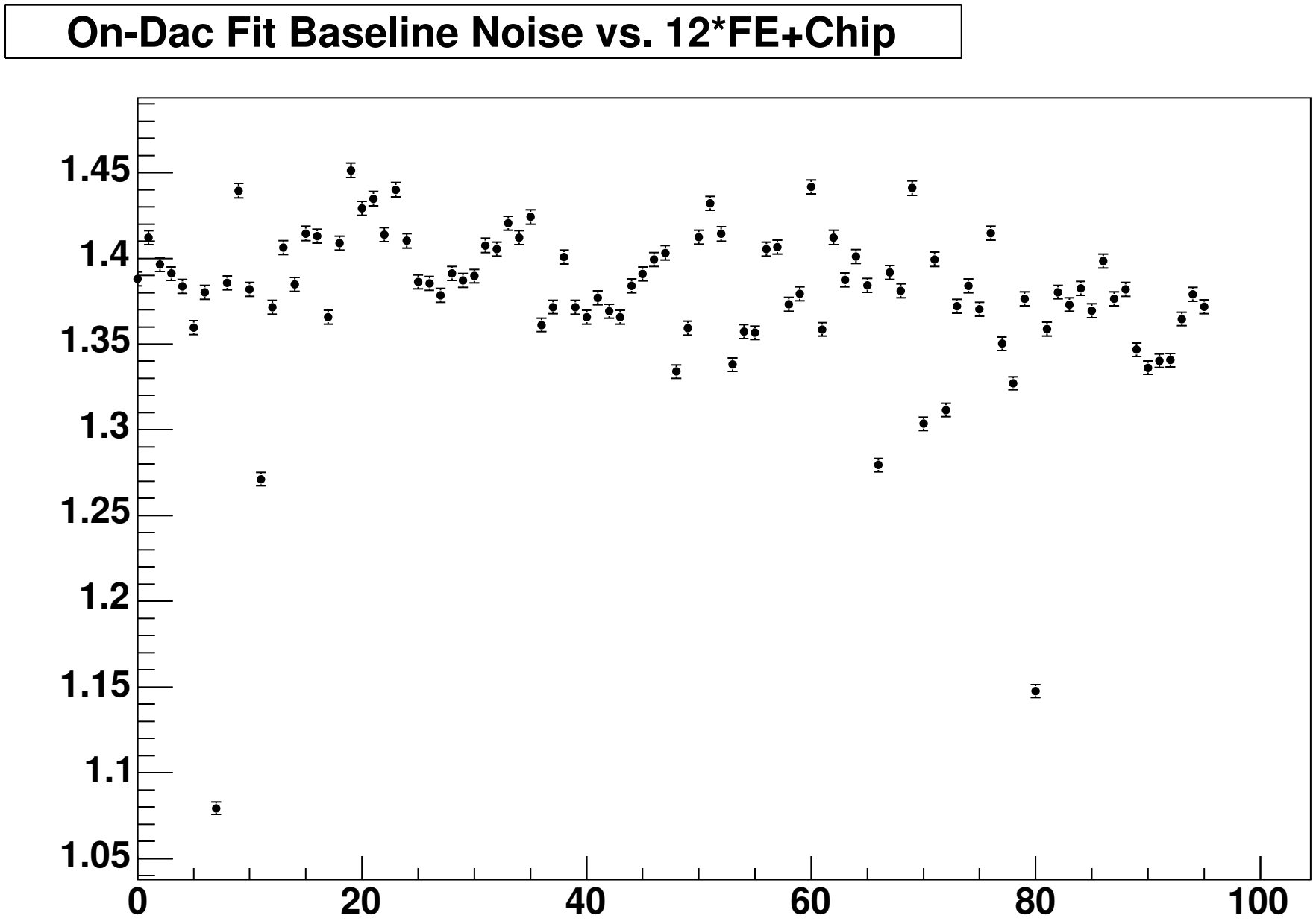

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0
20
40
60
80
100

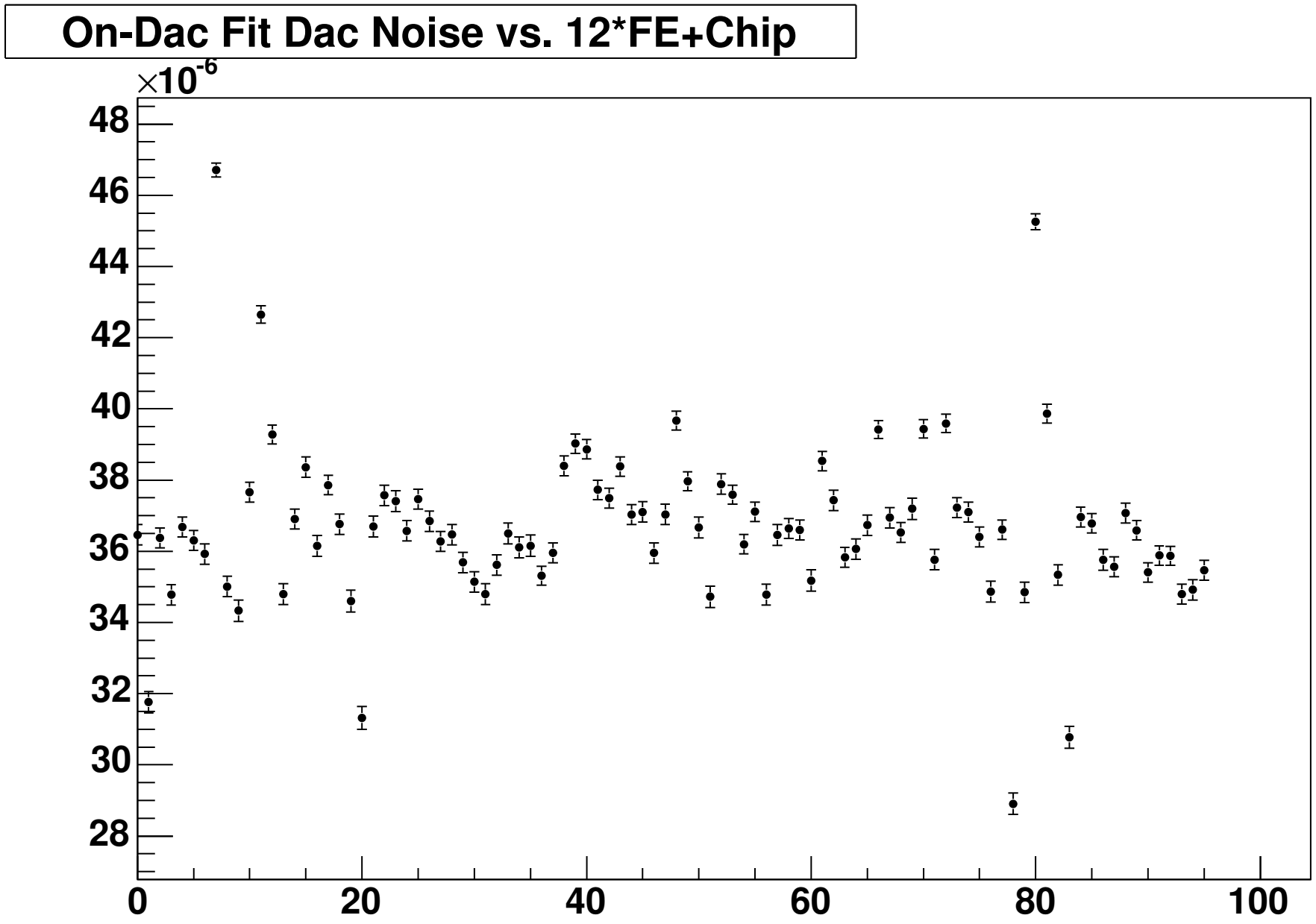

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

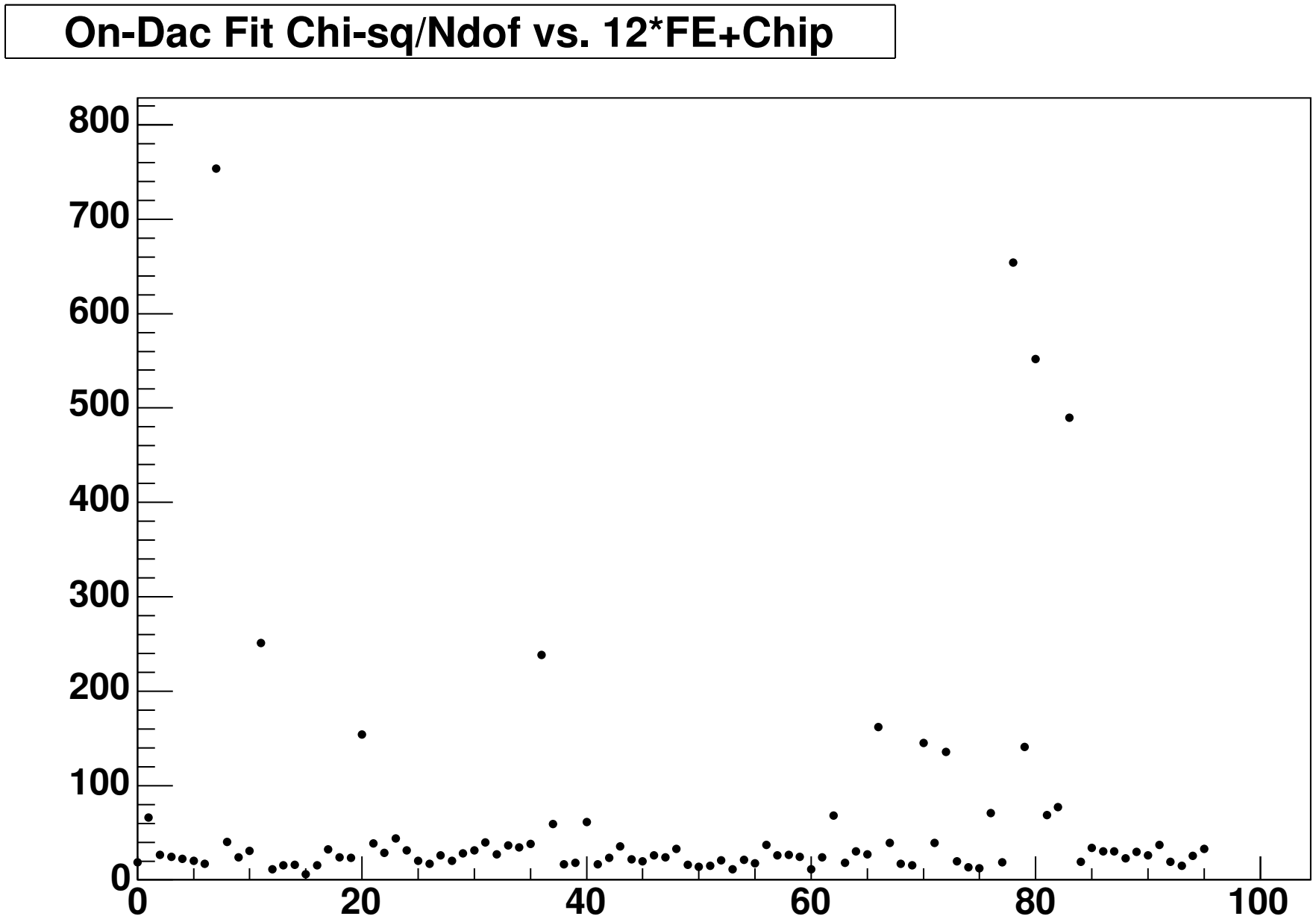

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

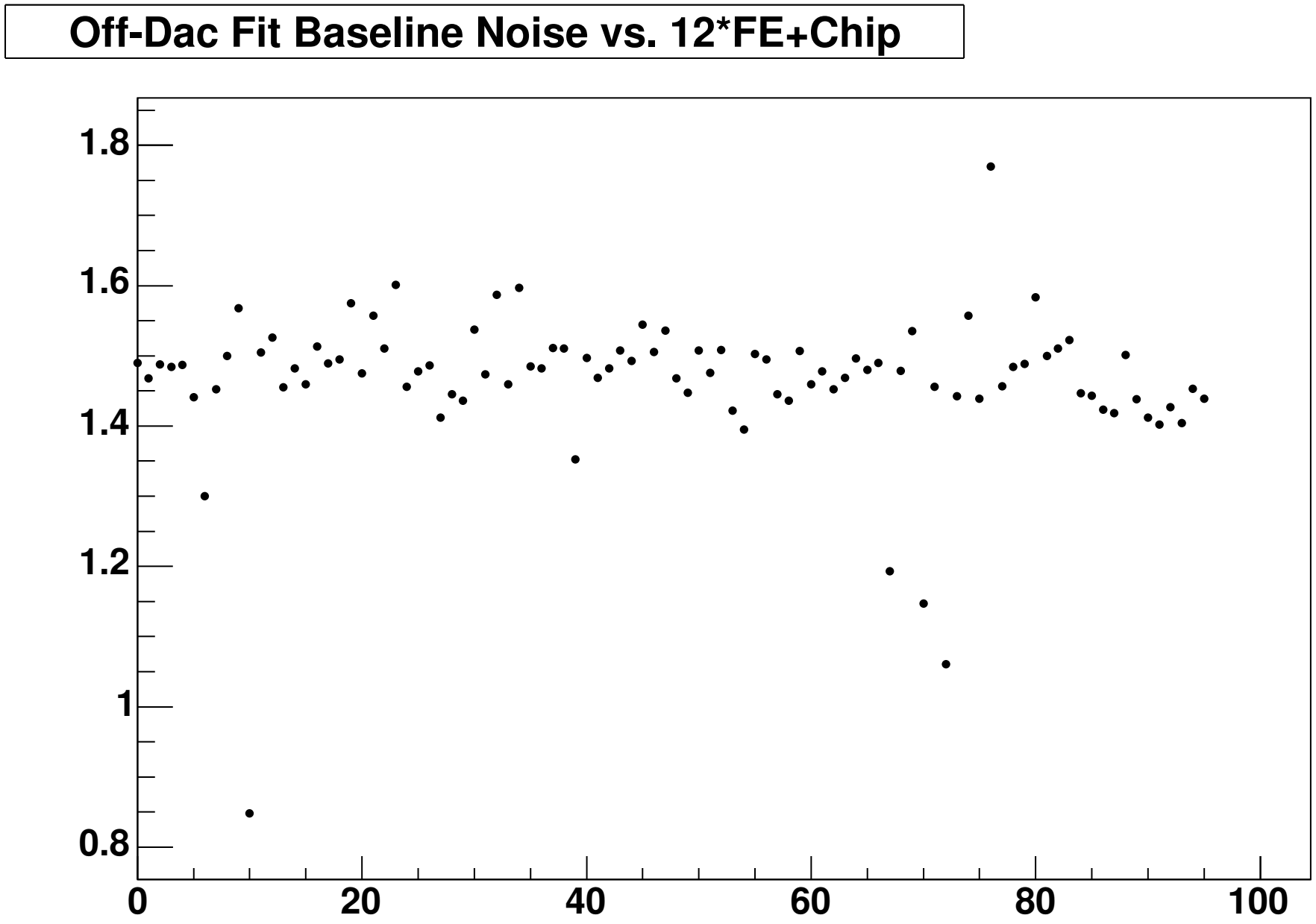

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
4
2
0
-2
-4
-6
0
20
40
60
80
100

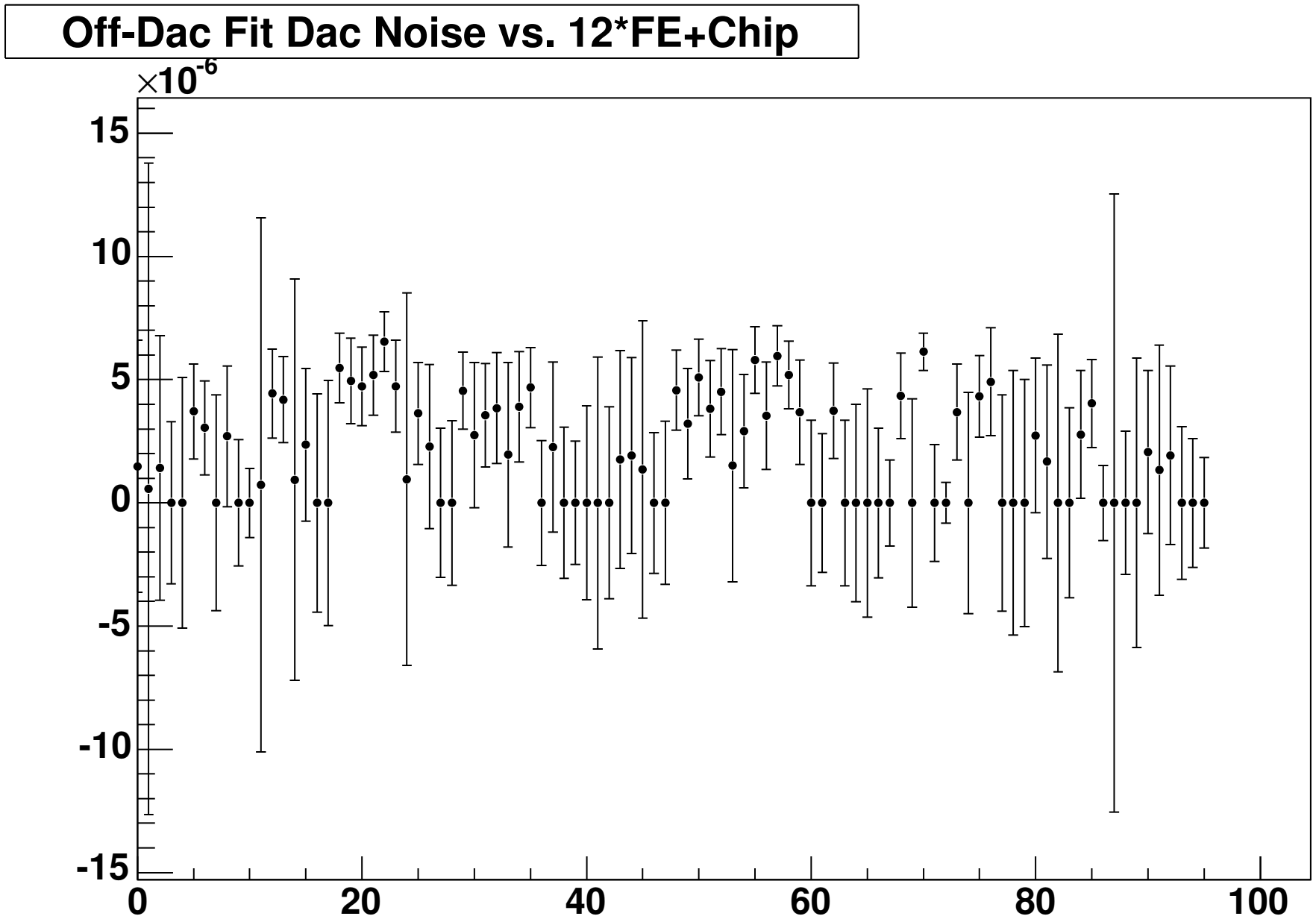

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
10
20
30
40
50
60
0
20
40
60
80
100

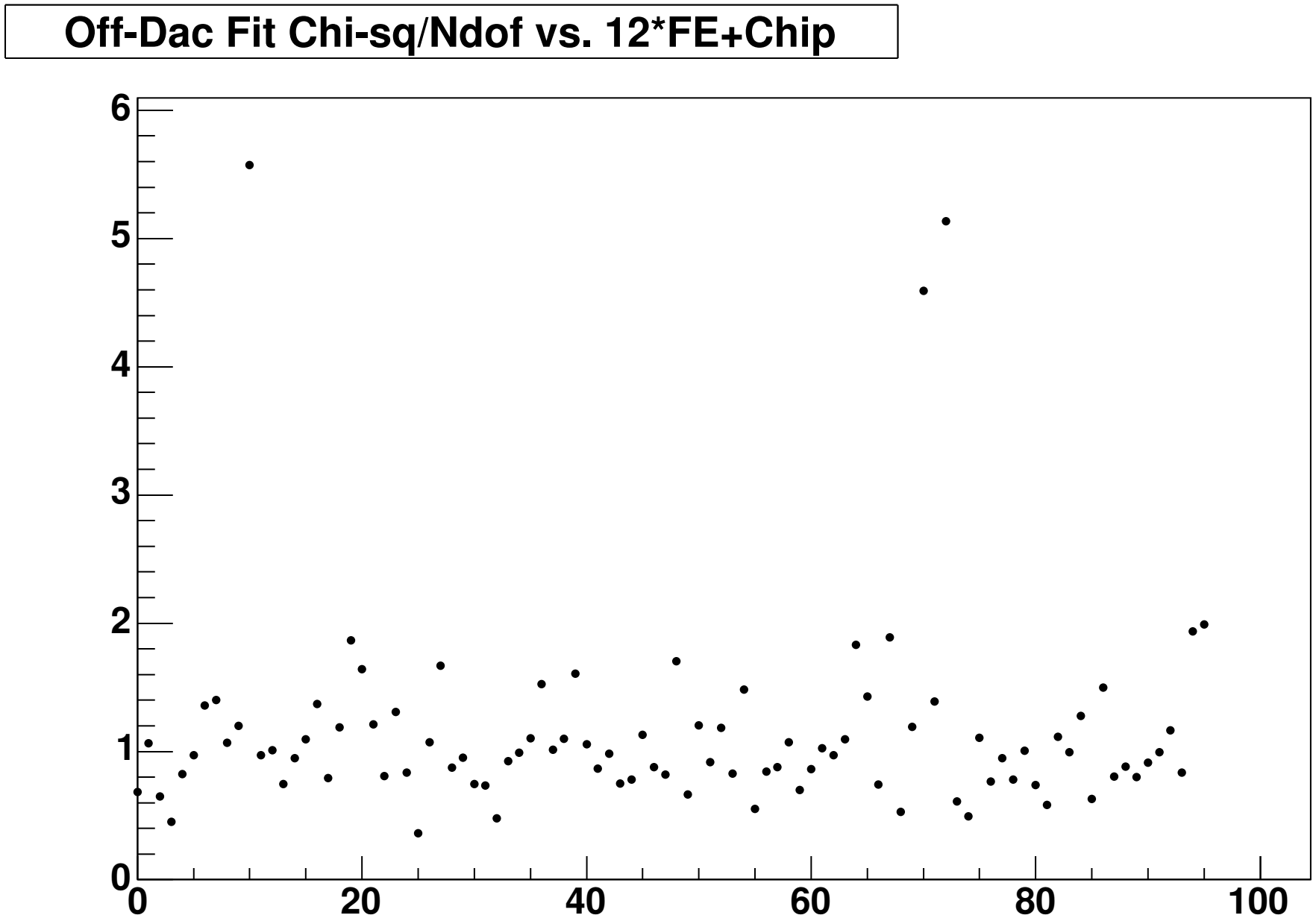

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.45
1.4
1.35
1.3
1.25
1.2
1.15
1.1
1.05
0
20
40
60
80
100

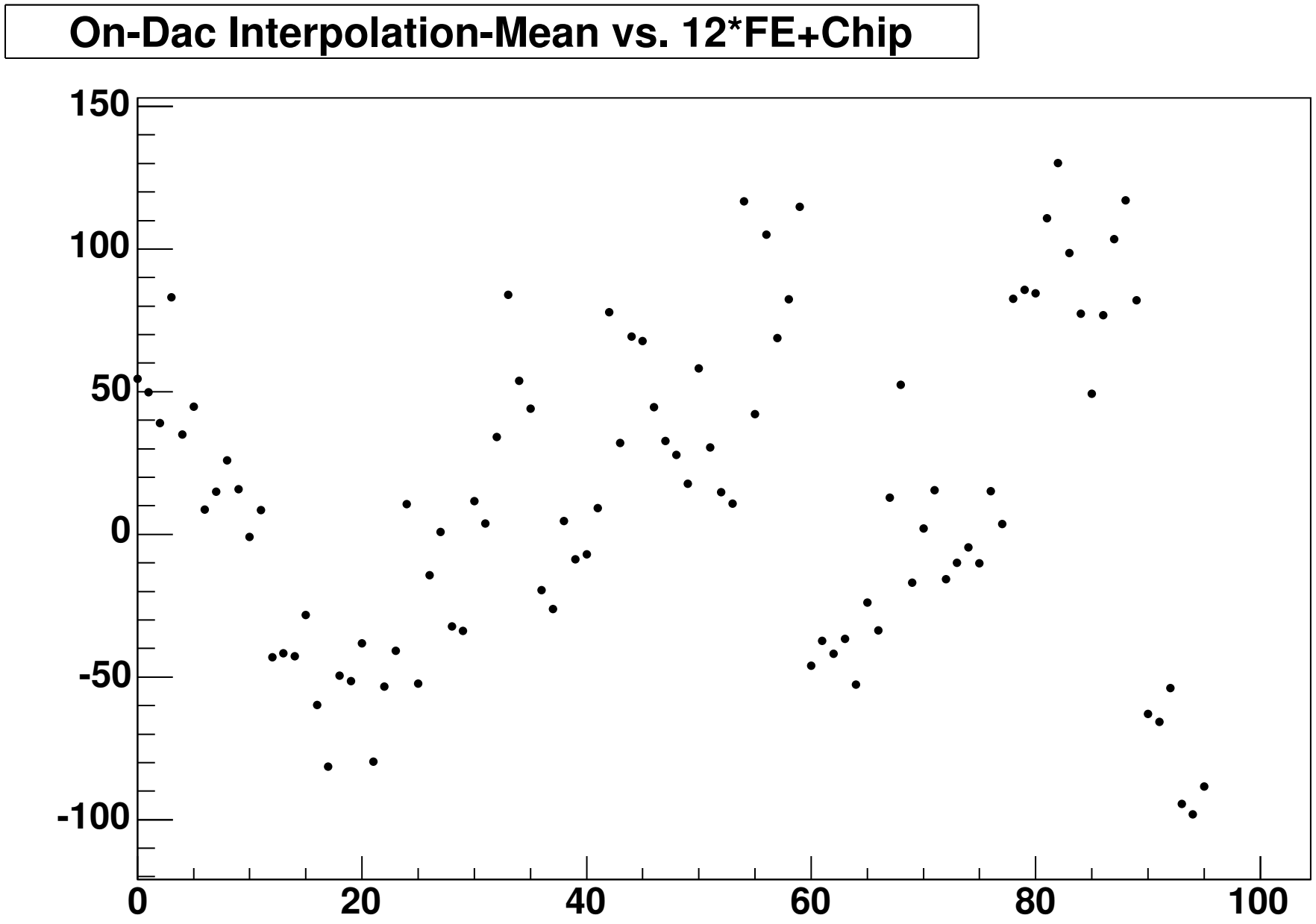

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
48
46
44
42
40
38
36
34
32
30
28
0
20
40
60
80
100

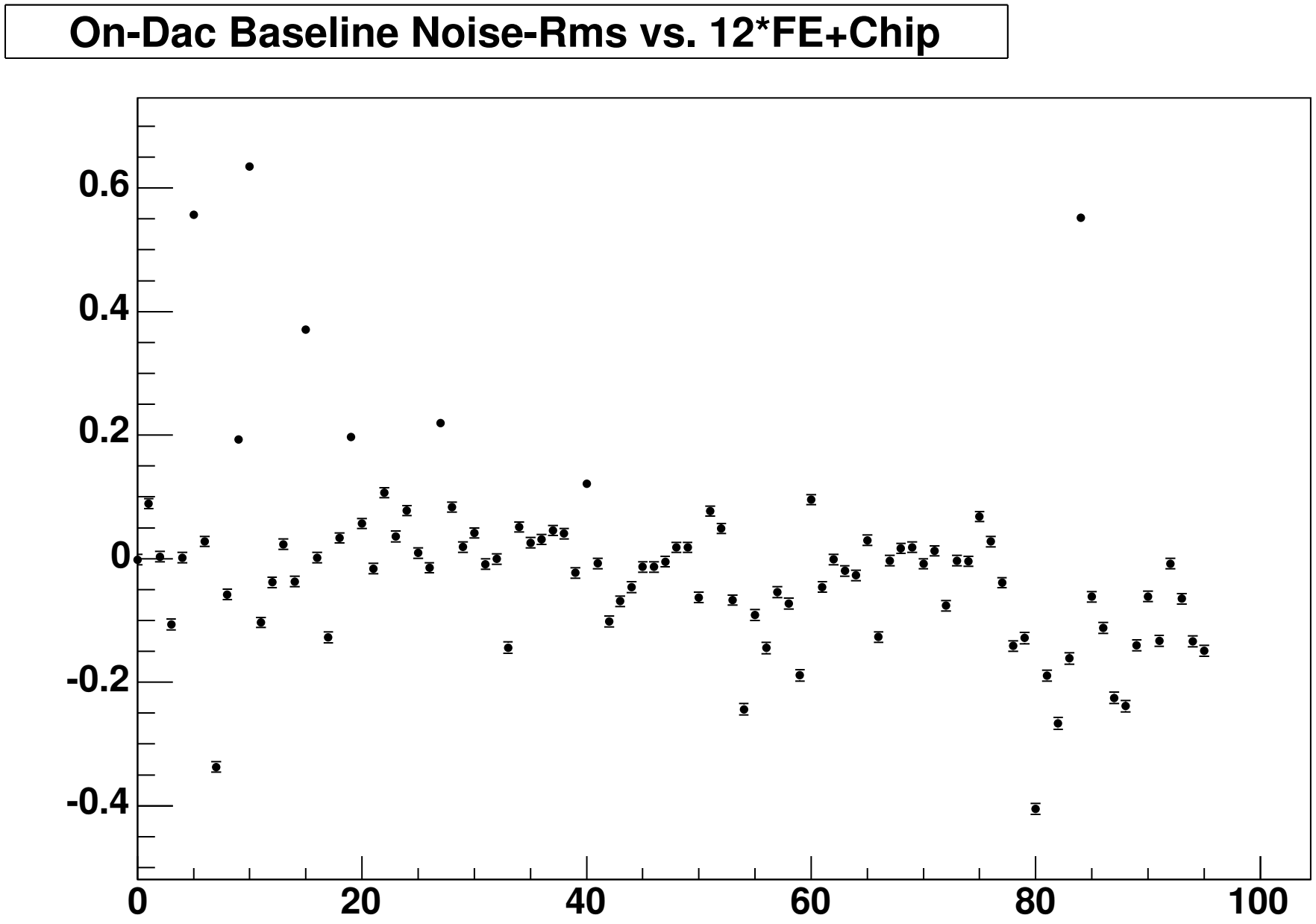

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
800
700
600
500
400
300
200
100
0
0
20
40
60
80
100

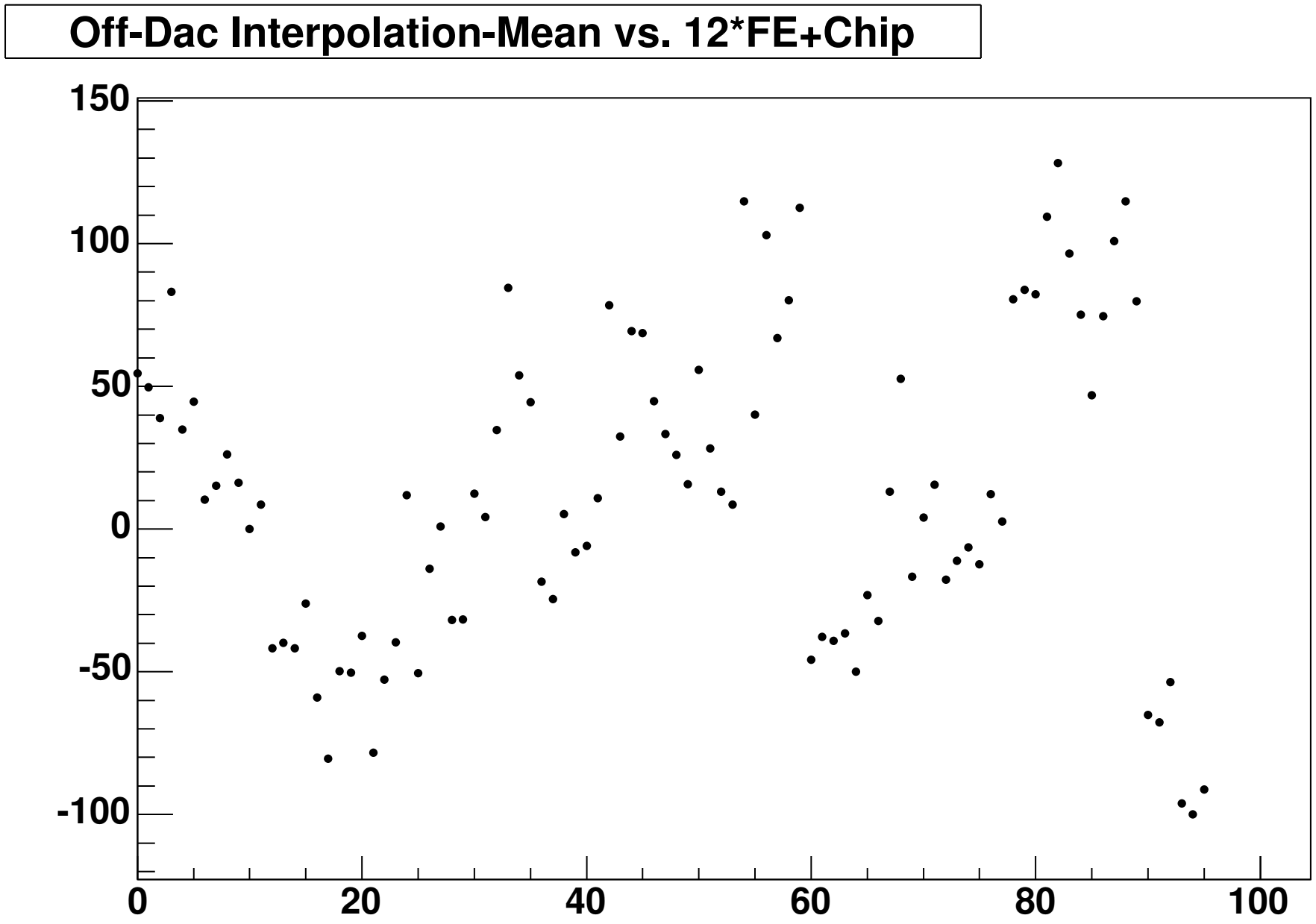

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

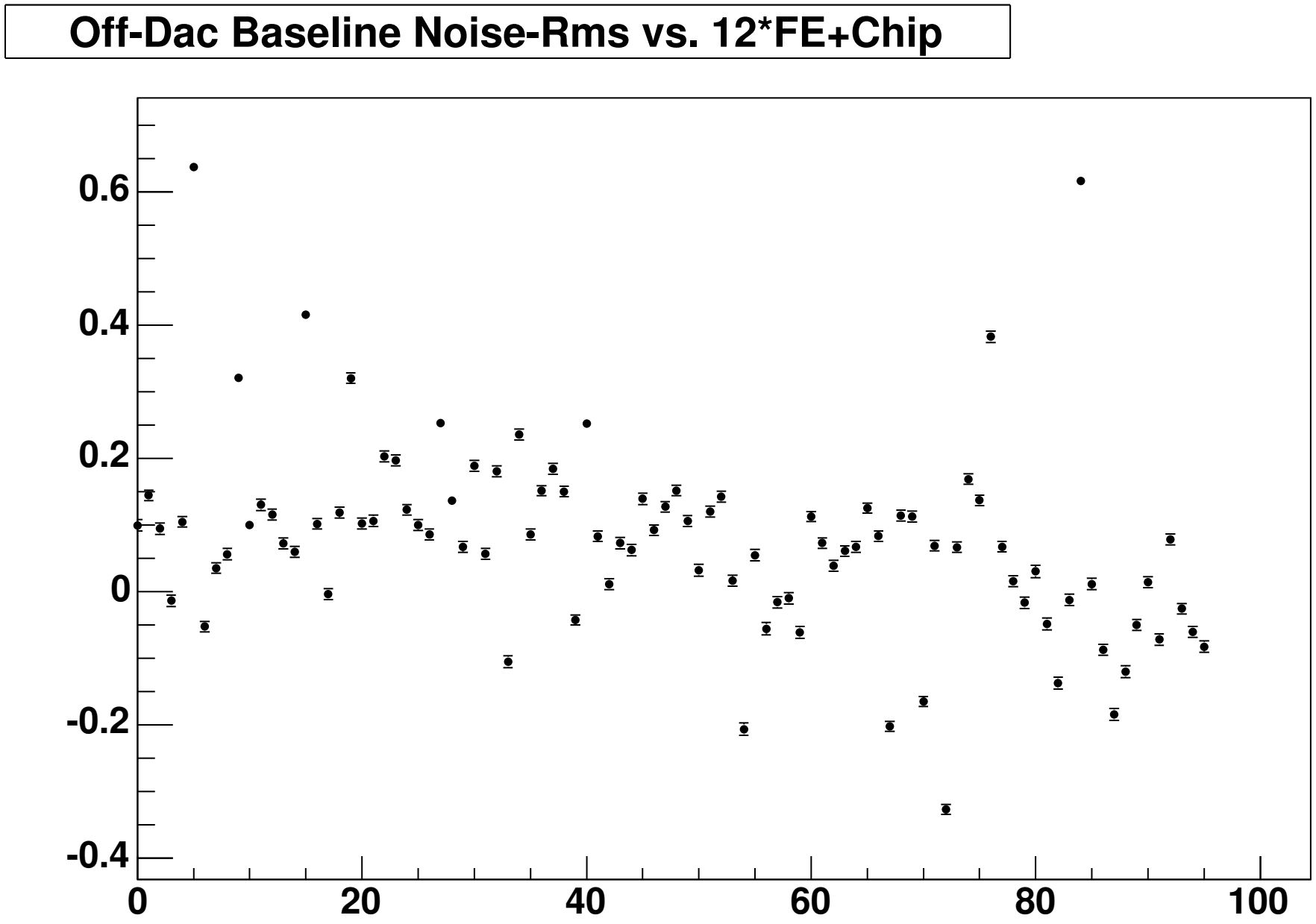

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-6
15
10
5
0
-5
-10
-15
0
20
40
60
80
100


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
0.6
0.4
0.2
0
-0.2
-0.4
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
0.6
0.4
0.2
0
-0.2
-0.4
0
20
40
60
80
100