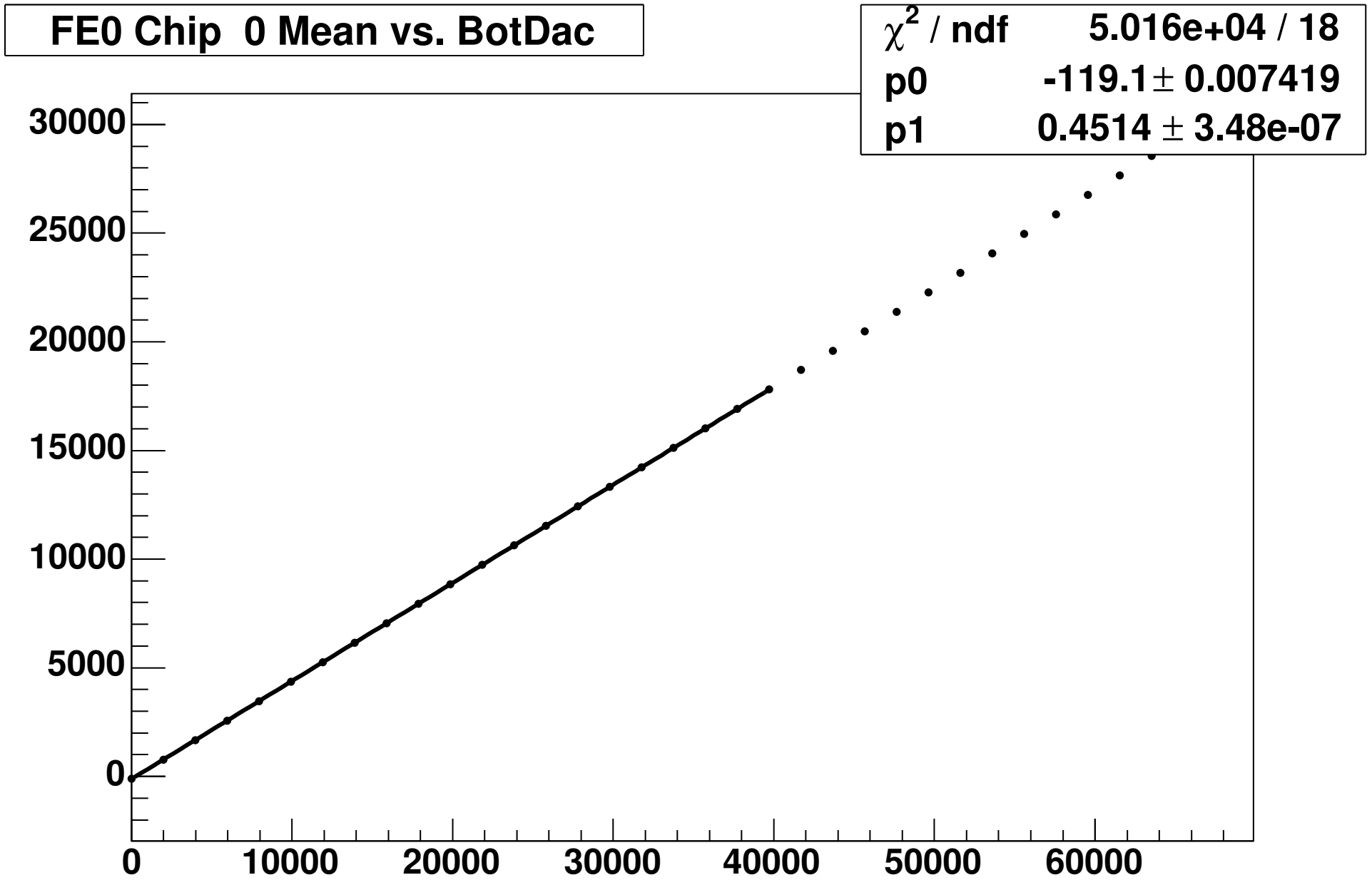
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 5.016e+04 / 18
p0 -119.1 ± 0.007419
p1 0.4514 ± 3.48e-07
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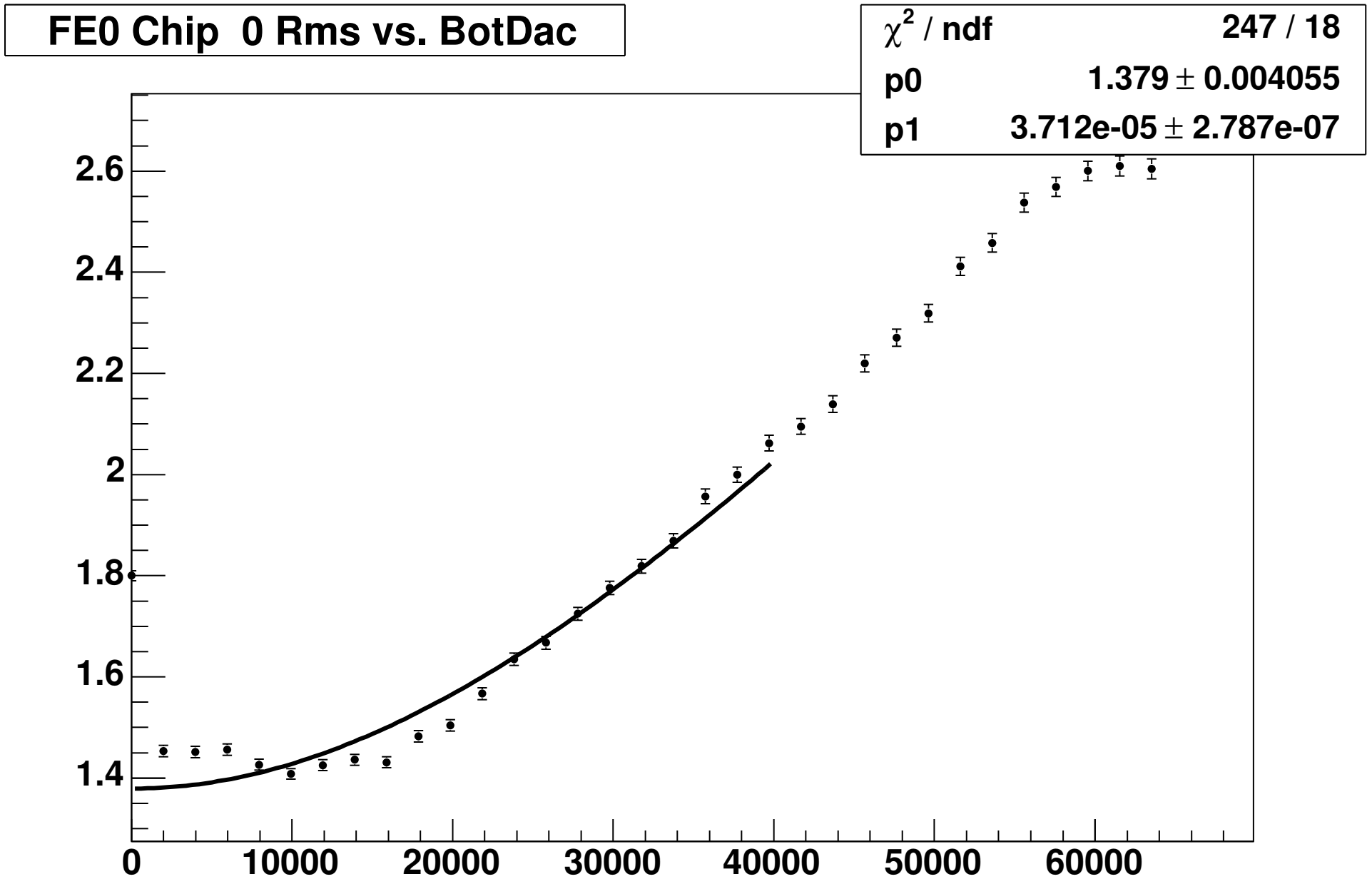
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 247 / 18
p0 1.379 ± 0.004055
p1 3.712e-05 ± 2.787e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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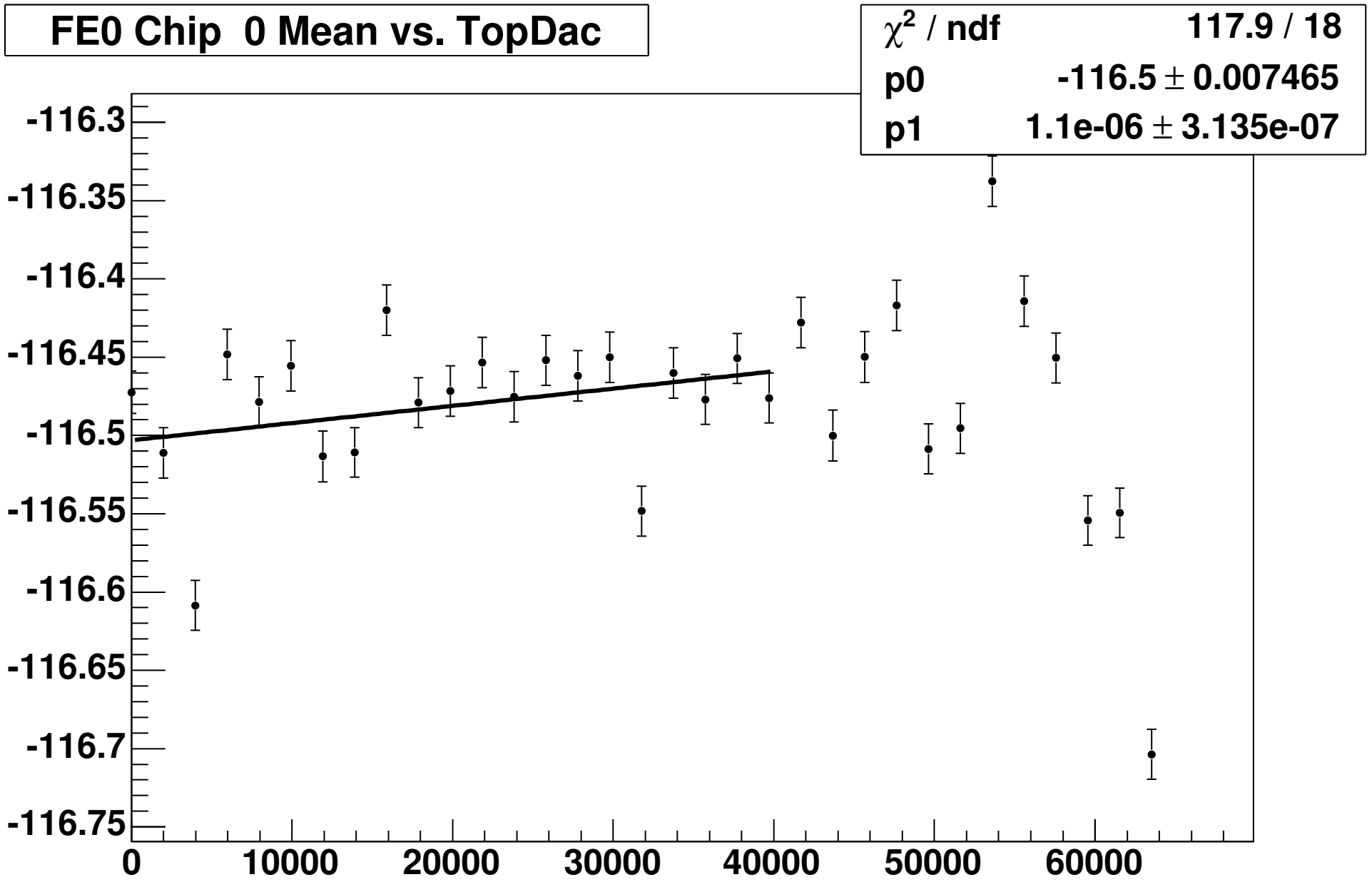
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 117.9 / 18
p0 -116.5 ± 0.007465
p1 1.1e-06 ± 3.135e-07
-116.3
-116.35
-116.4
-116.45
-116.5
-116.55
-116.6
-116.65
-116.7
-116.75
0
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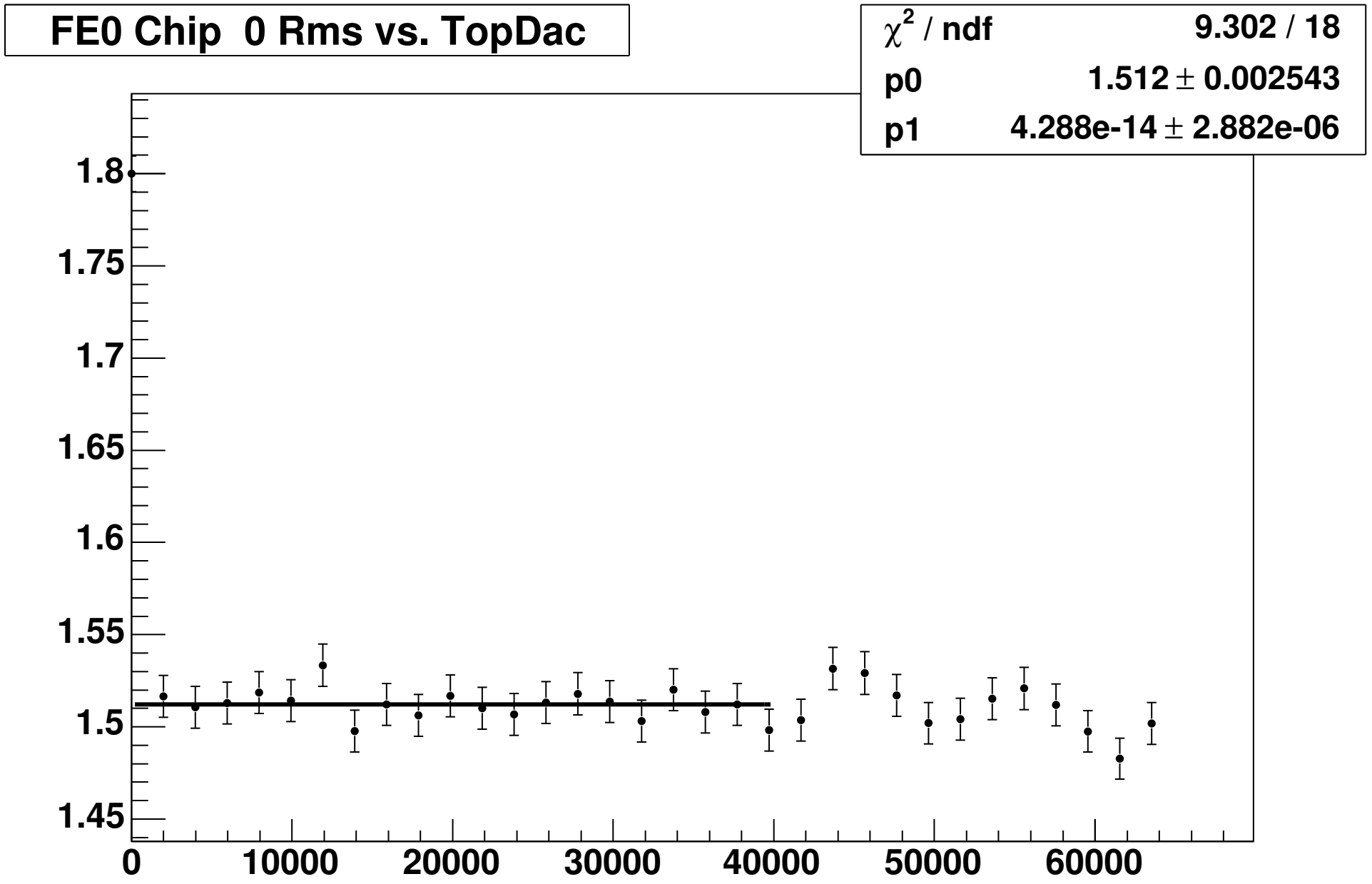
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 9.302 / 18
p0 1.512 ± 0.002543
p1 4.288e-14 ± 2.882e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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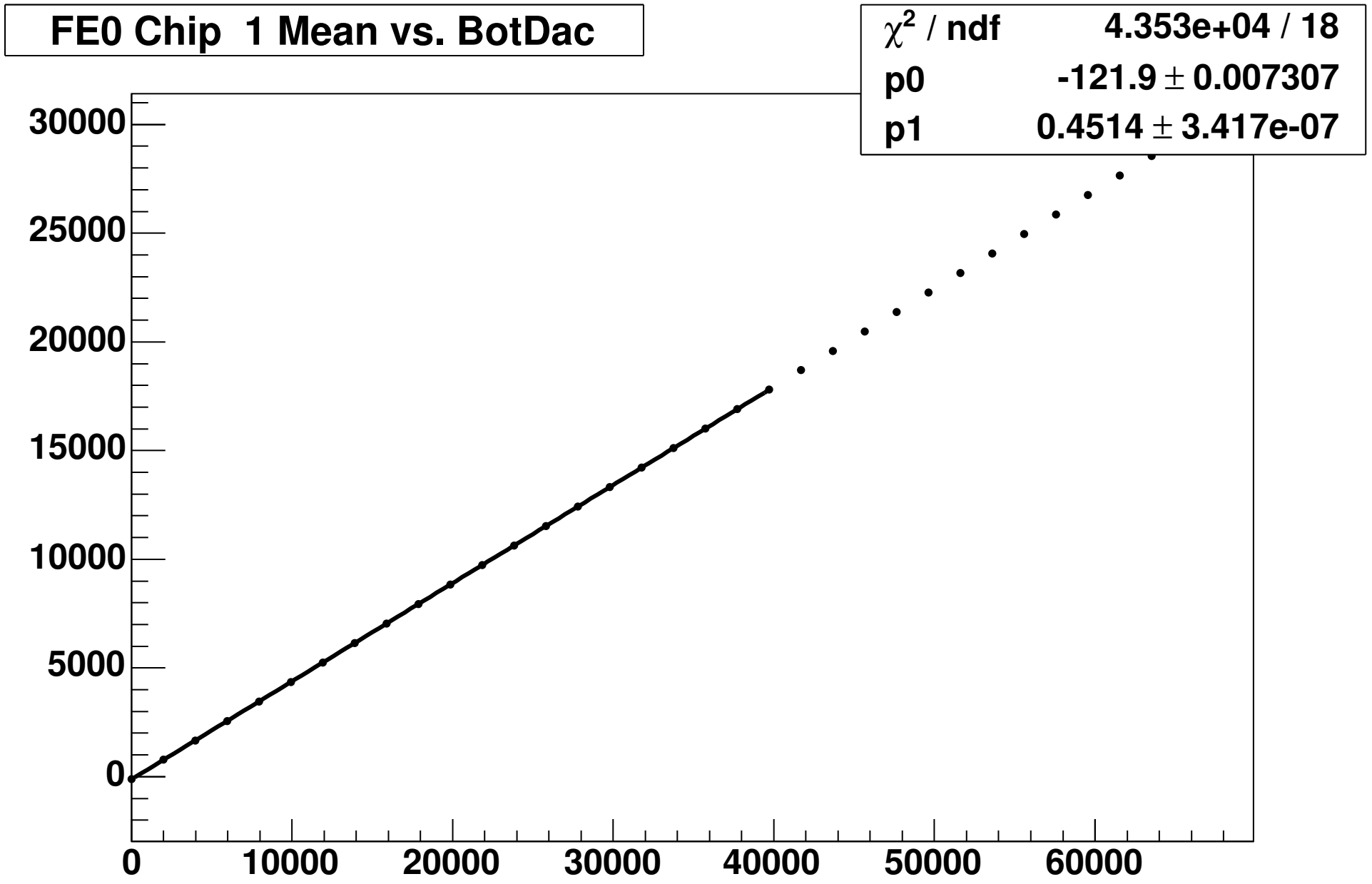
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 4.353e+04 / 18
p0 -121.9 ± 0.007307
p1 0.4514 ± 3.417e-07
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10000
5000
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0
10000
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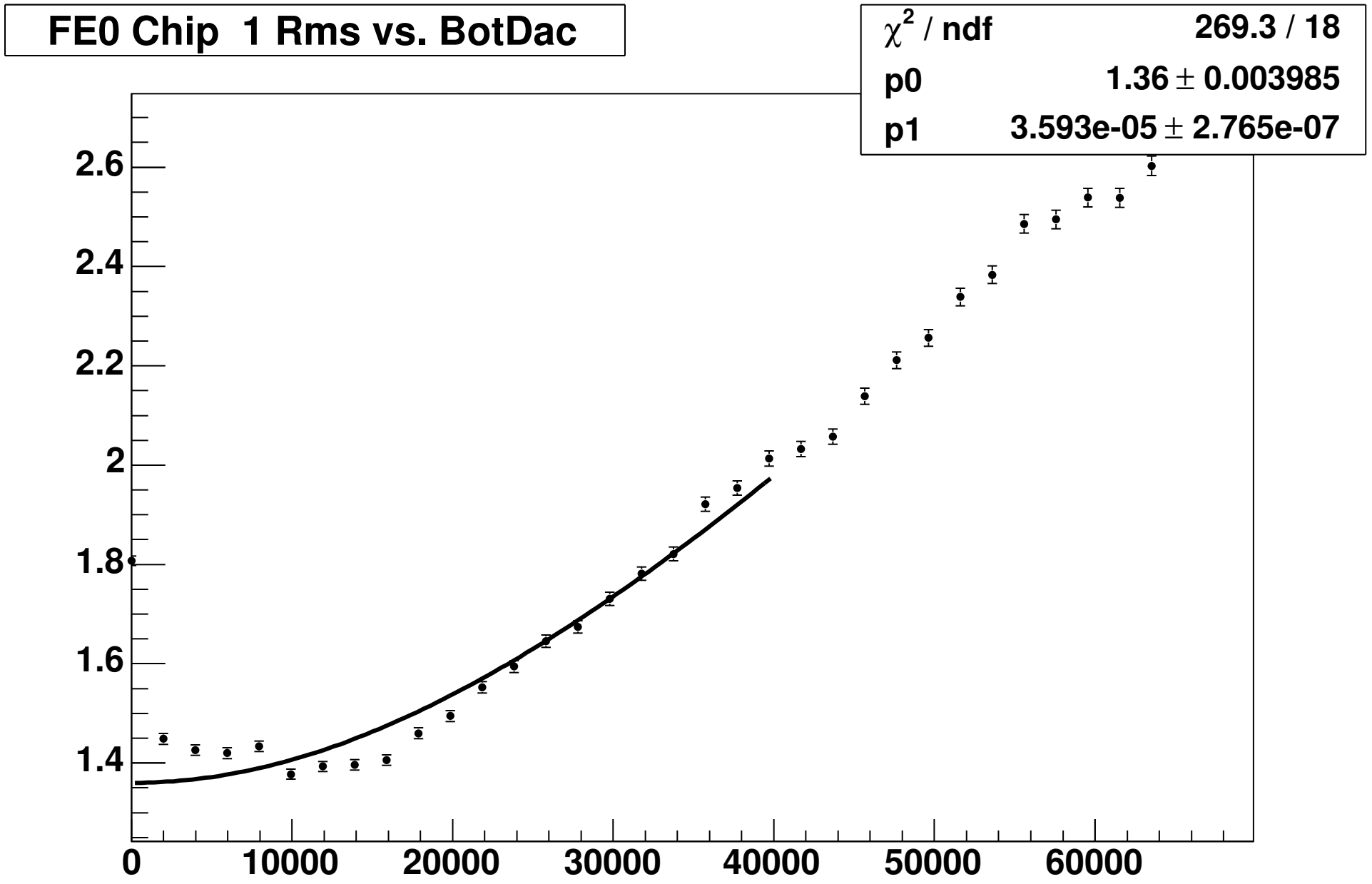
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 269.3 / 18
p0 1.36 ± 0.003985
p1 3.593e-05 ± 2.765e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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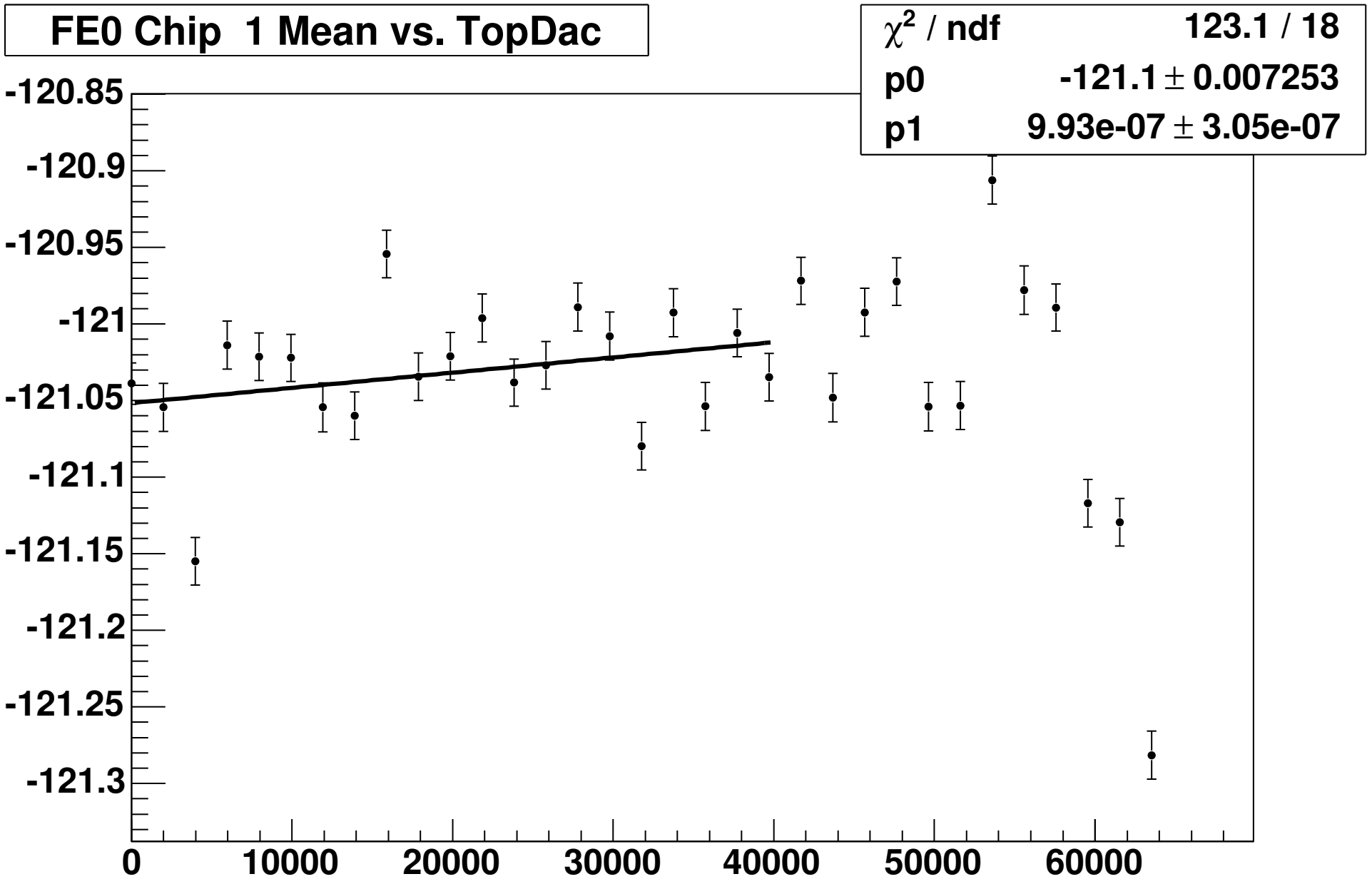
FE0 Chip 1 Mean vs. TopDac
χ^2 / ndf 123.1 / 18
p0 -121.1 ± 0.007253
p1 9.93e-07 ± 3.05e-07
-120.85
-120.9
-120.95
-121
-121.05
-121.1
-121.15
-121.2
-121.25
-121.3
0
10000
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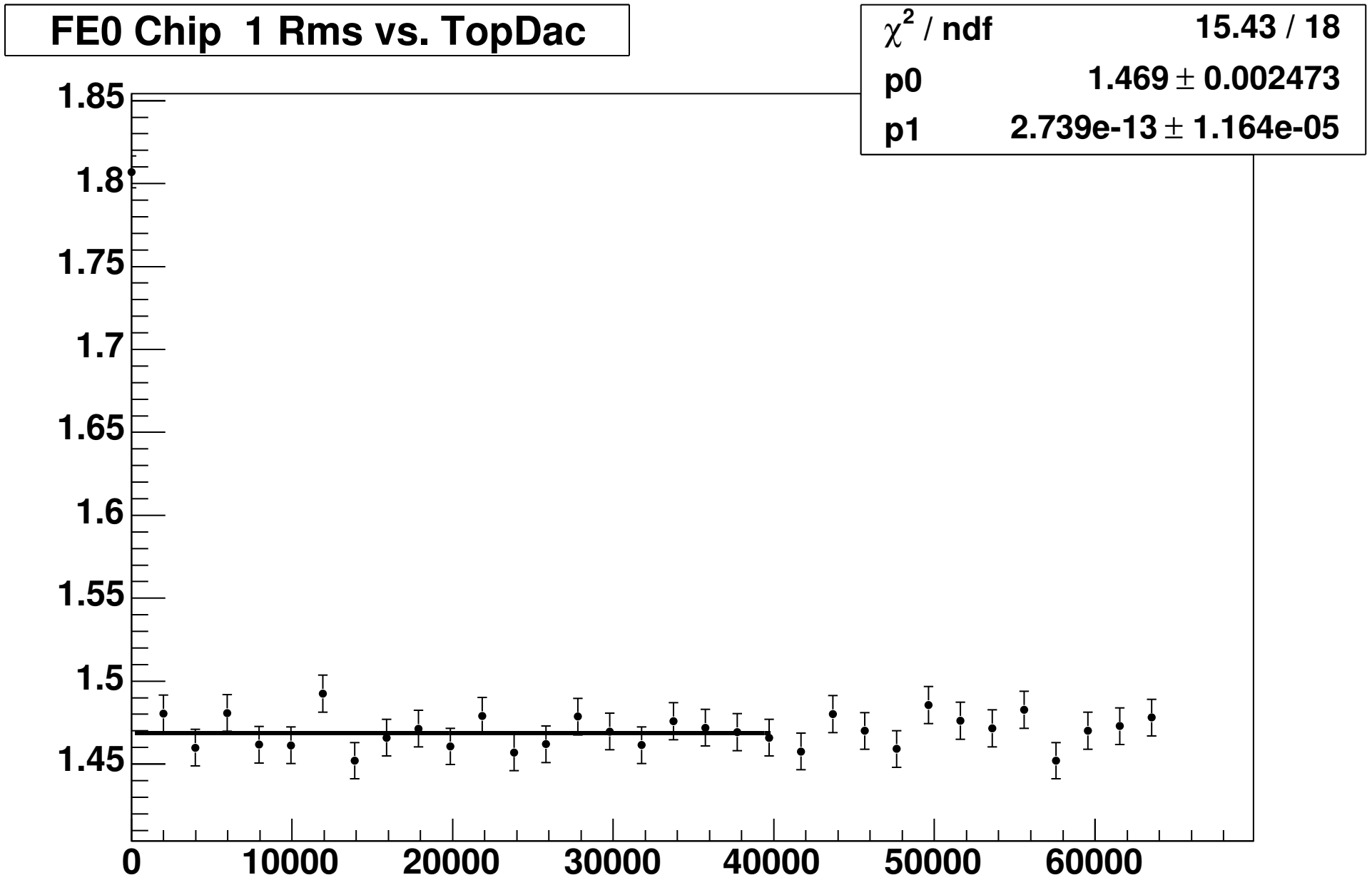
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 15.43 / 18
p0 1.469 ± 0.002473
p1 2.739e-13 ± 1.164e-05
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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50000
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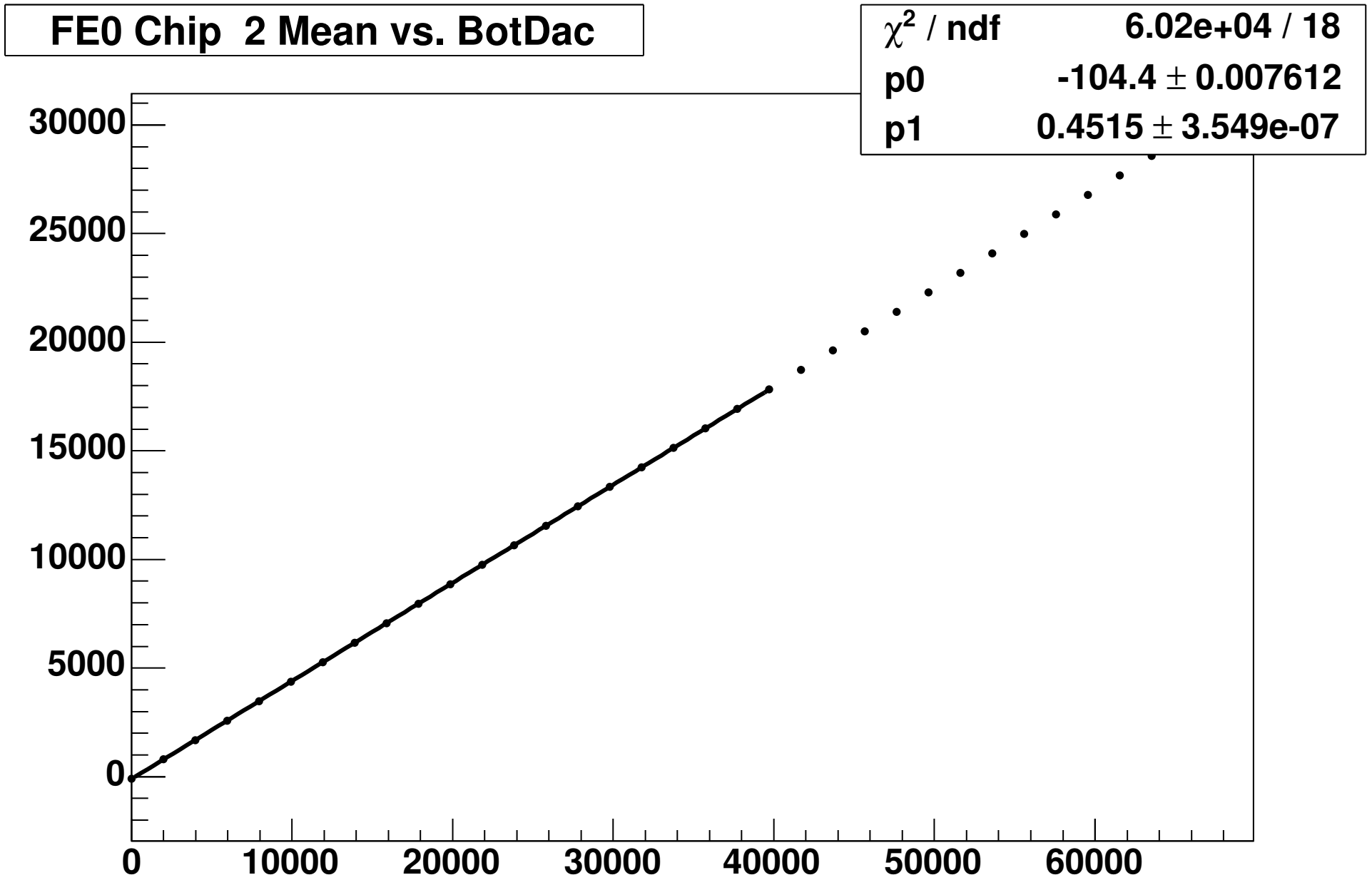
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 6.02e+04 / 18
p0 -104.4 ± 0.007612
p1 0.4515 ± 3.549e-07
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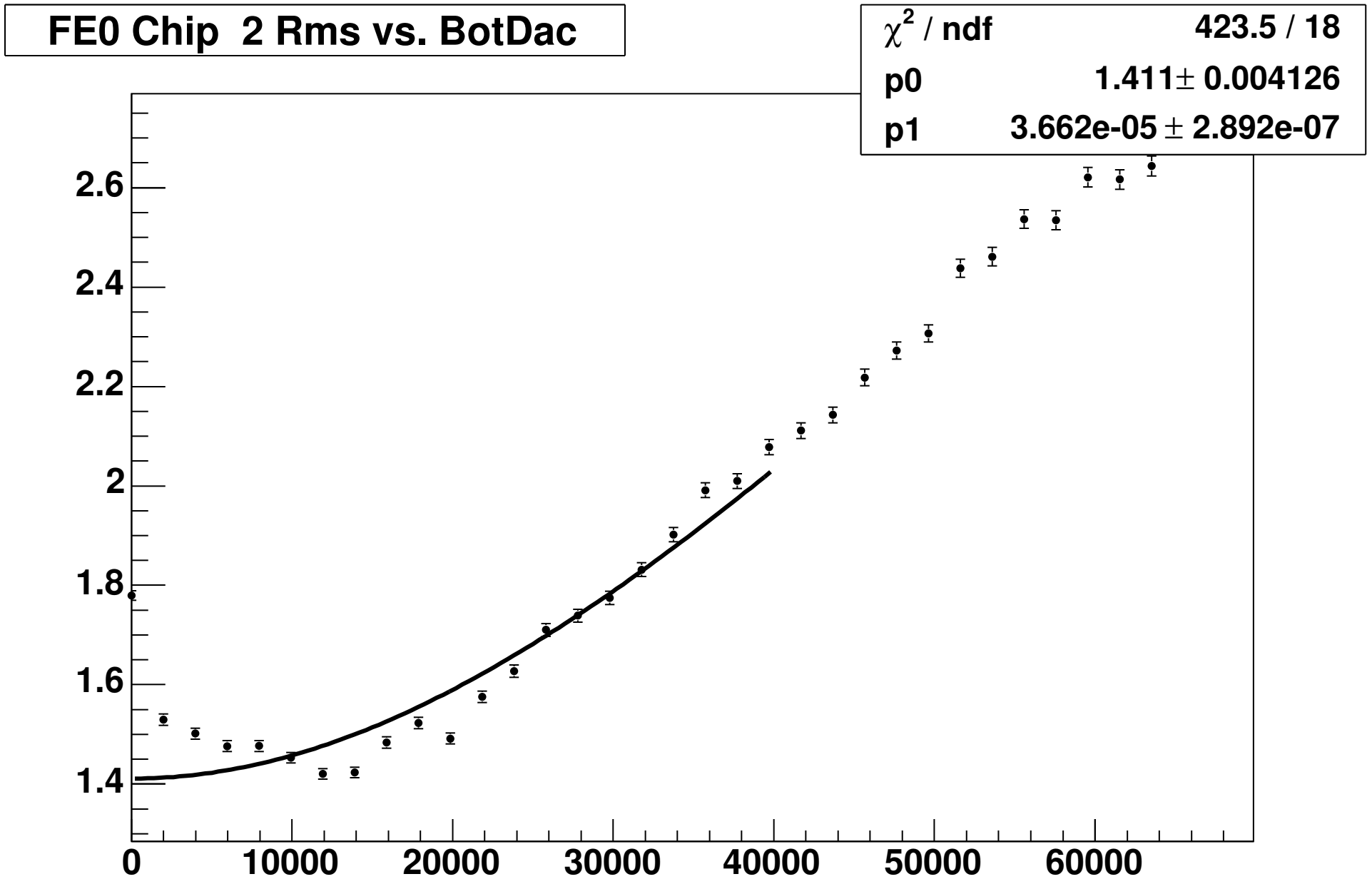
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 423.5 / 18
p0 1.411 ± 0.004126
p1 3.662e-05 ± 2.892e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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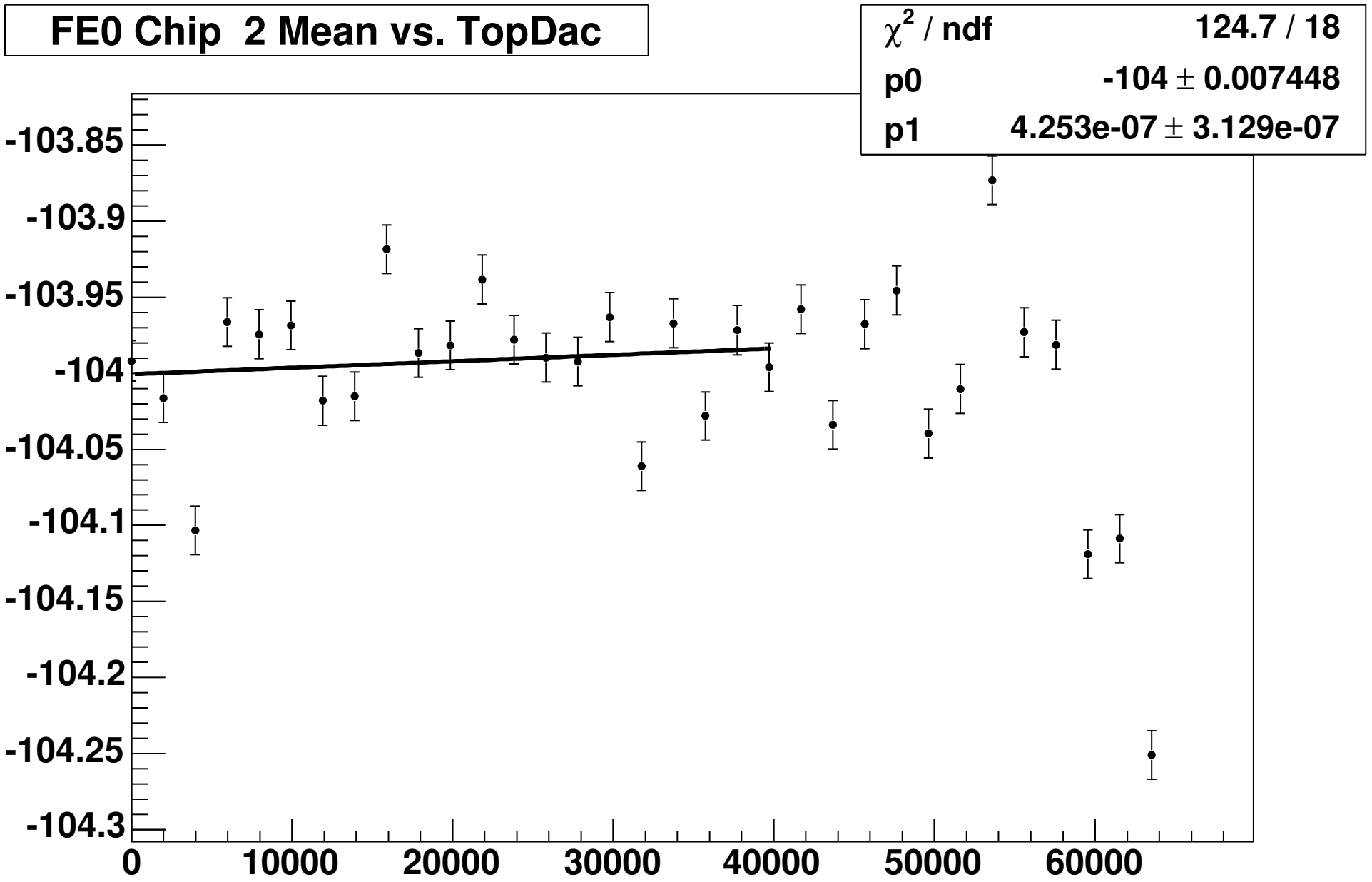
40000
50000
60000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 124.7 / 18
p0 -104 ± 0.007448
p1 4.253e-07 ± 3.129e-07
-103.85
-103.9
-103.95
-104
-104.05
-104.1
-104.15
-104.2
-104.25
-104.3
0
10000
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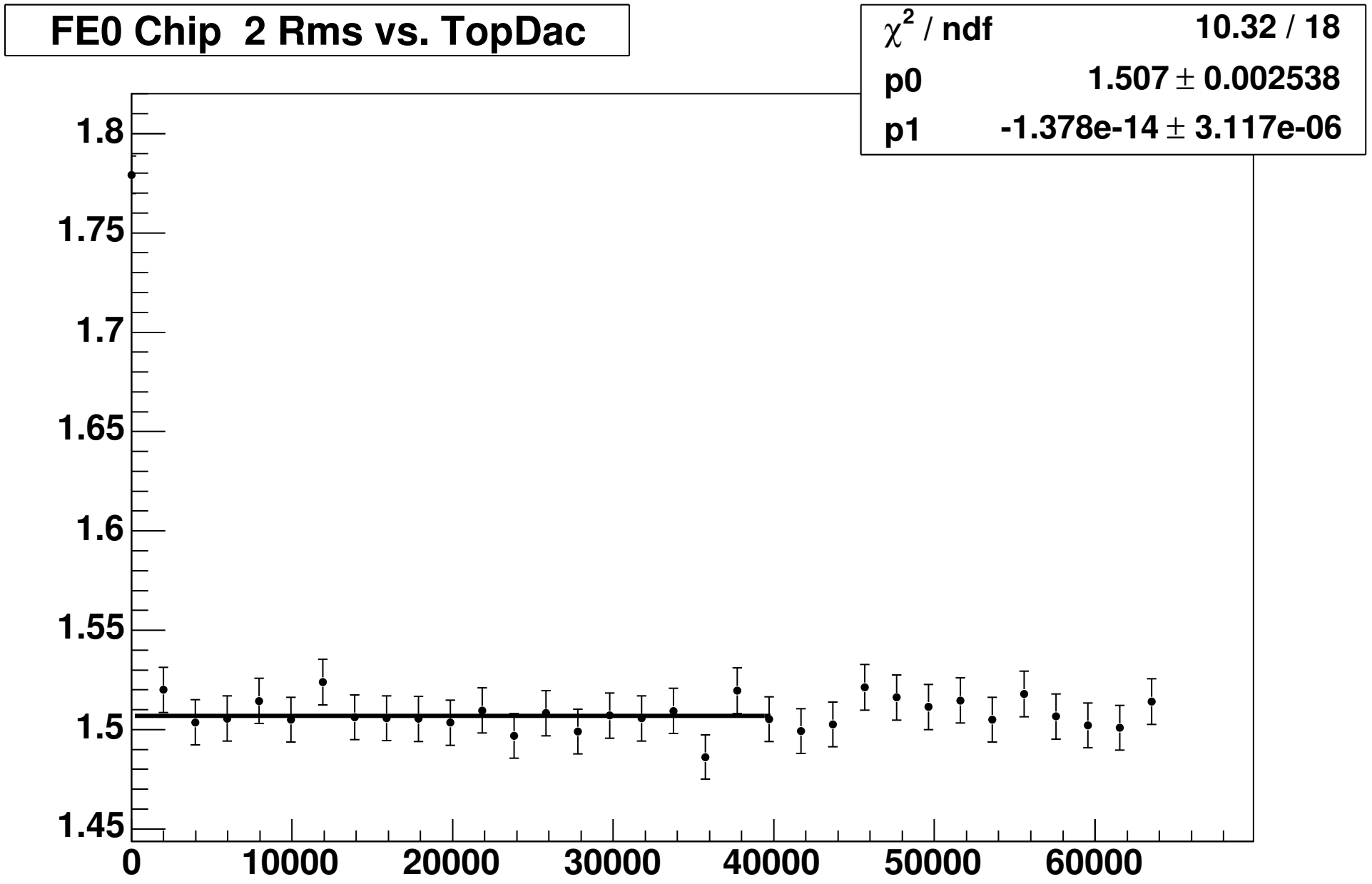
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 10.32 / 18
p0 1.507 ± 0.002538
p1 -1.378e-14 ± 3.117e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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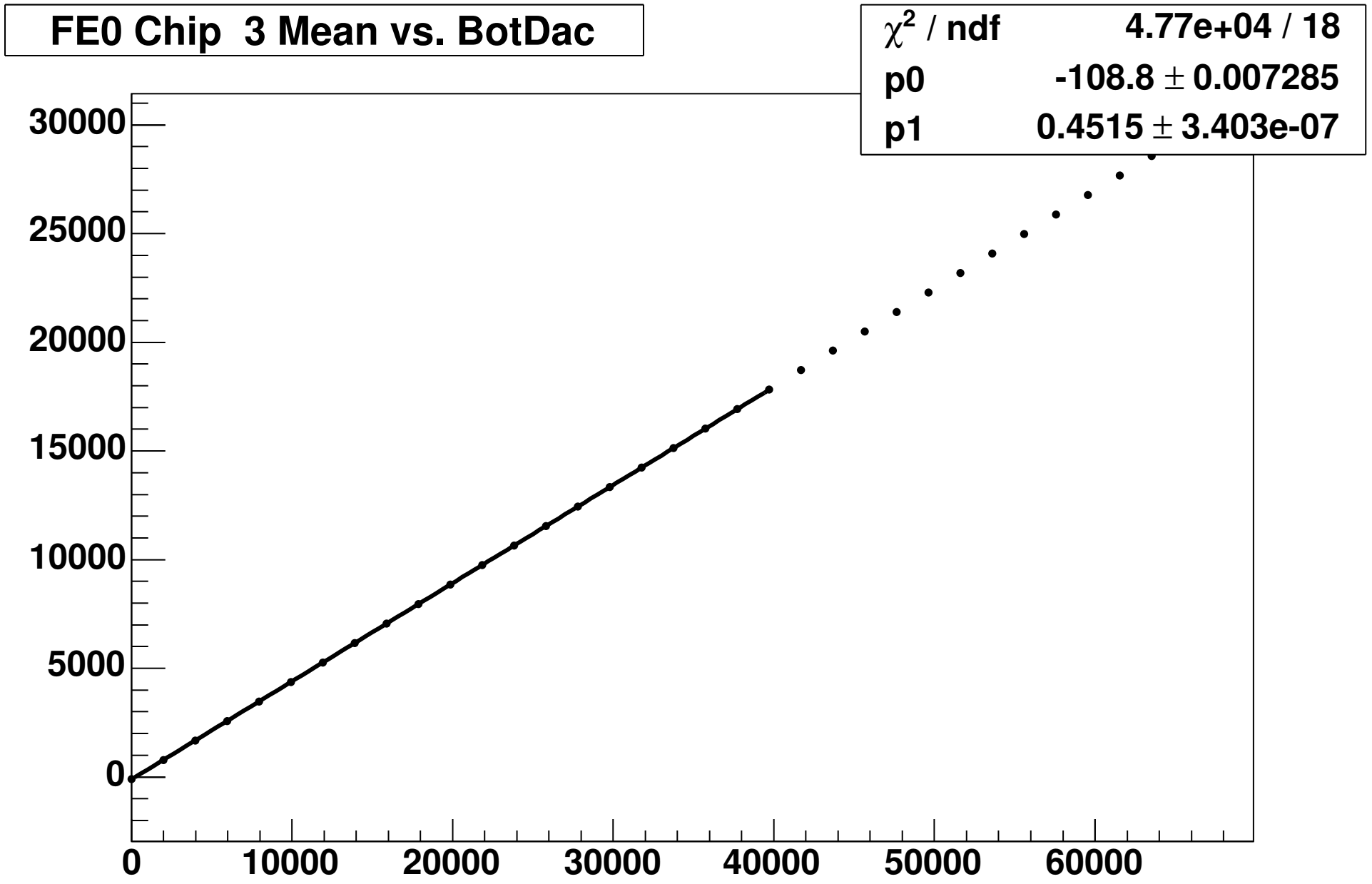
30000
40000
50000
60000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 4.77e+04 / 18
p0 -108.8 ± 0.007285
p1 0.4515 ± 3.403e-07
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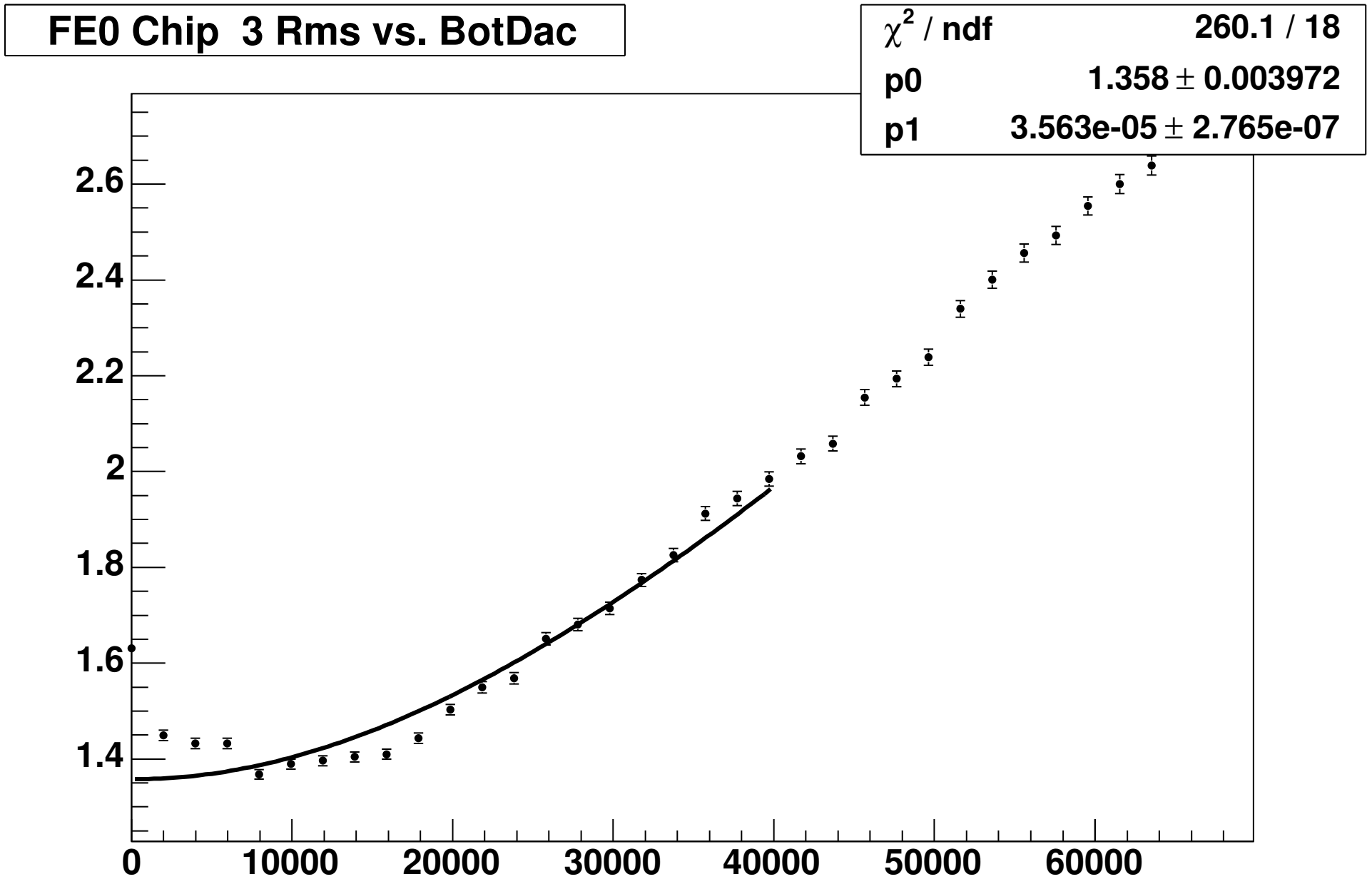
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 260.1 / 18
p0 1.358 ± 0.003972
p1 3.563e-05 ± 2.765e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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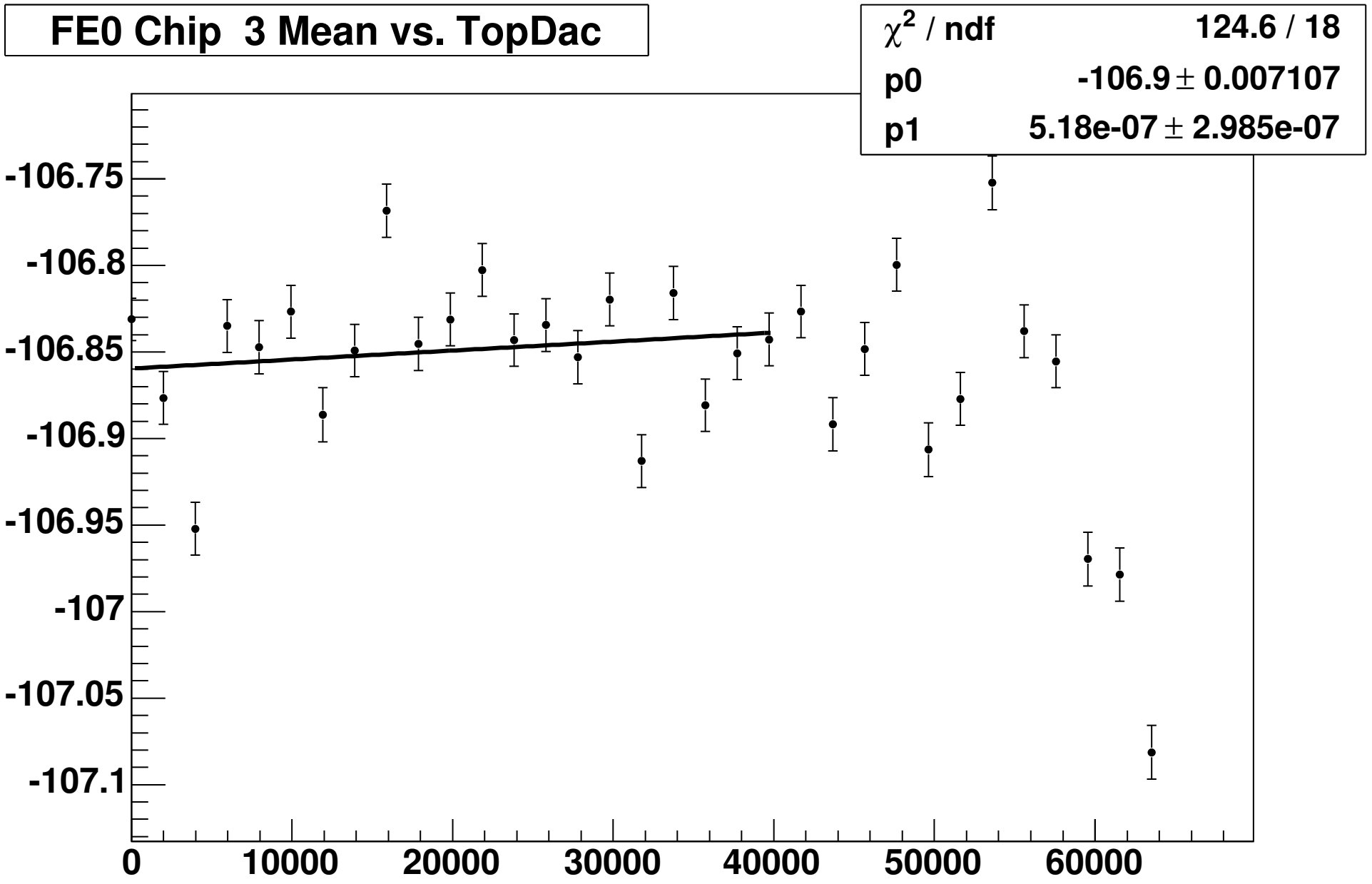
30000
40000
50000
60000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 124.6 / 18
p0 -106.9 ± 0.007107
p1 5.18e-07 ± 2.985e-07
-106.75
-106.8
-106.85
-106.9
-106.95
-107
-107.05
-107.1
0
10000
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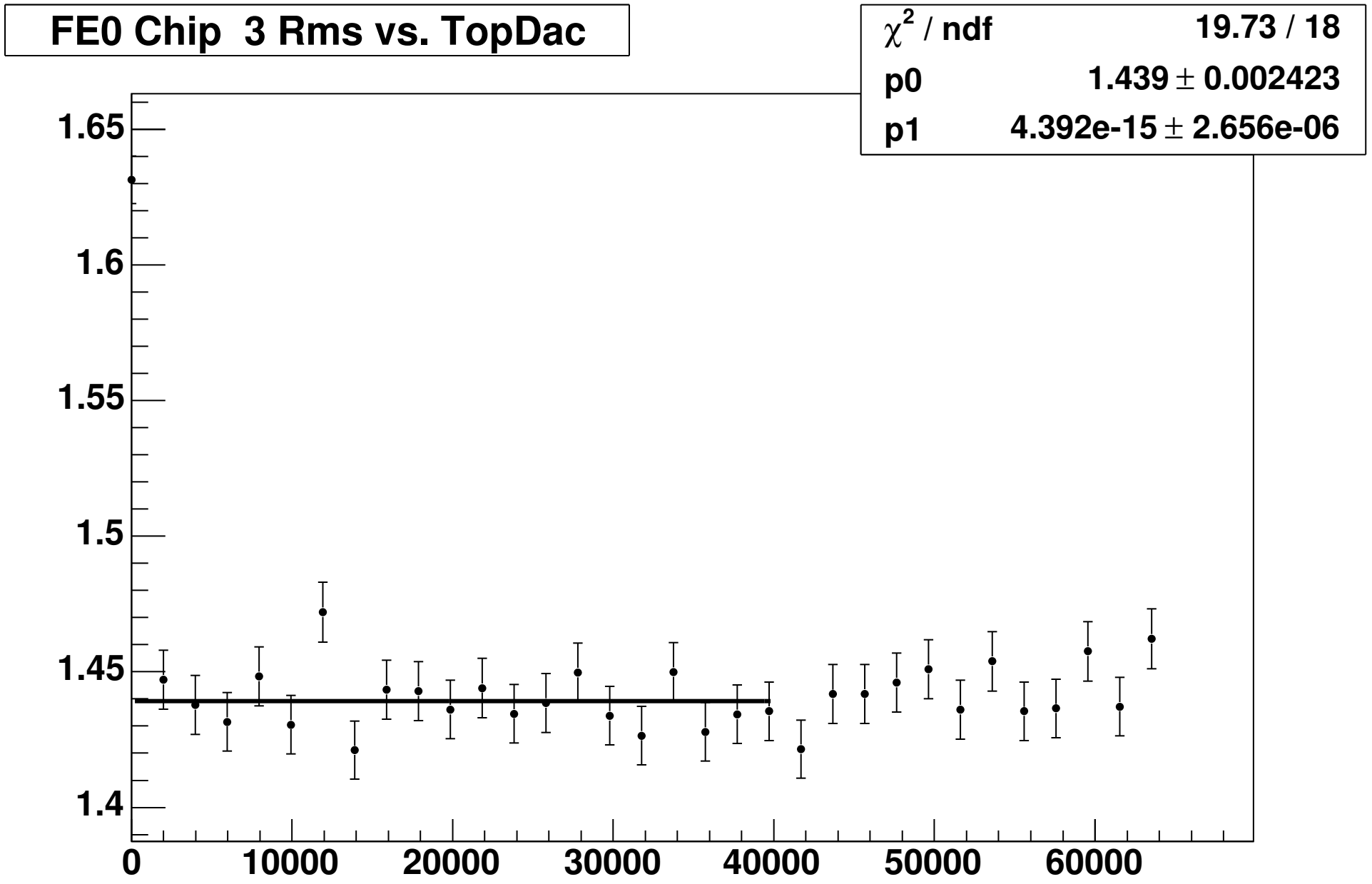
30000
40000
50000
60000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 19.73 / 18
p0 1.439 ± 0.002423
p1 4.392e-15 ± 2.656e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
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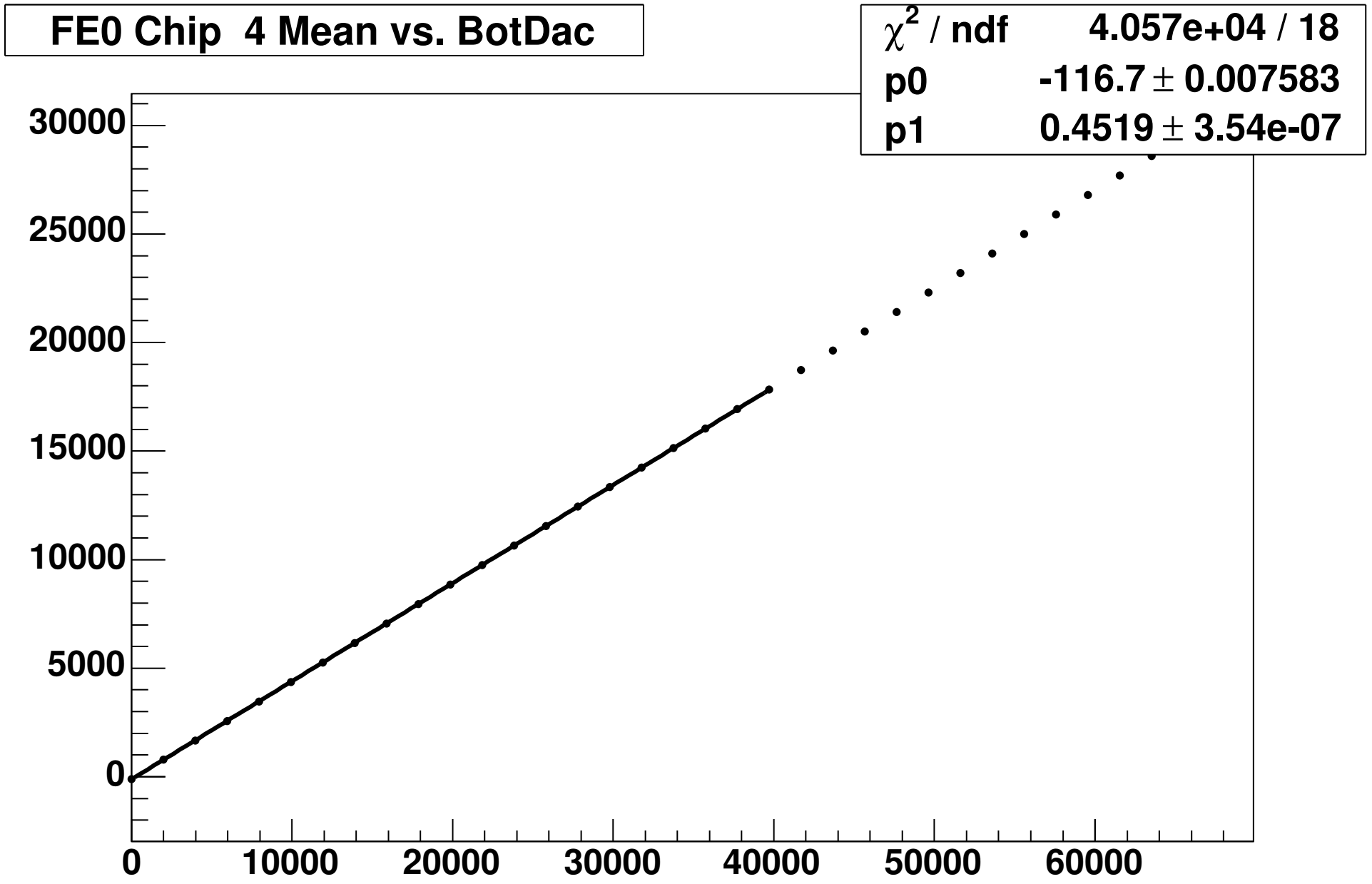
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 4.057e+04 / 18
p0 -116.7 ± 0.007583
p1 0.4519 ± 3.54e-07
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25000
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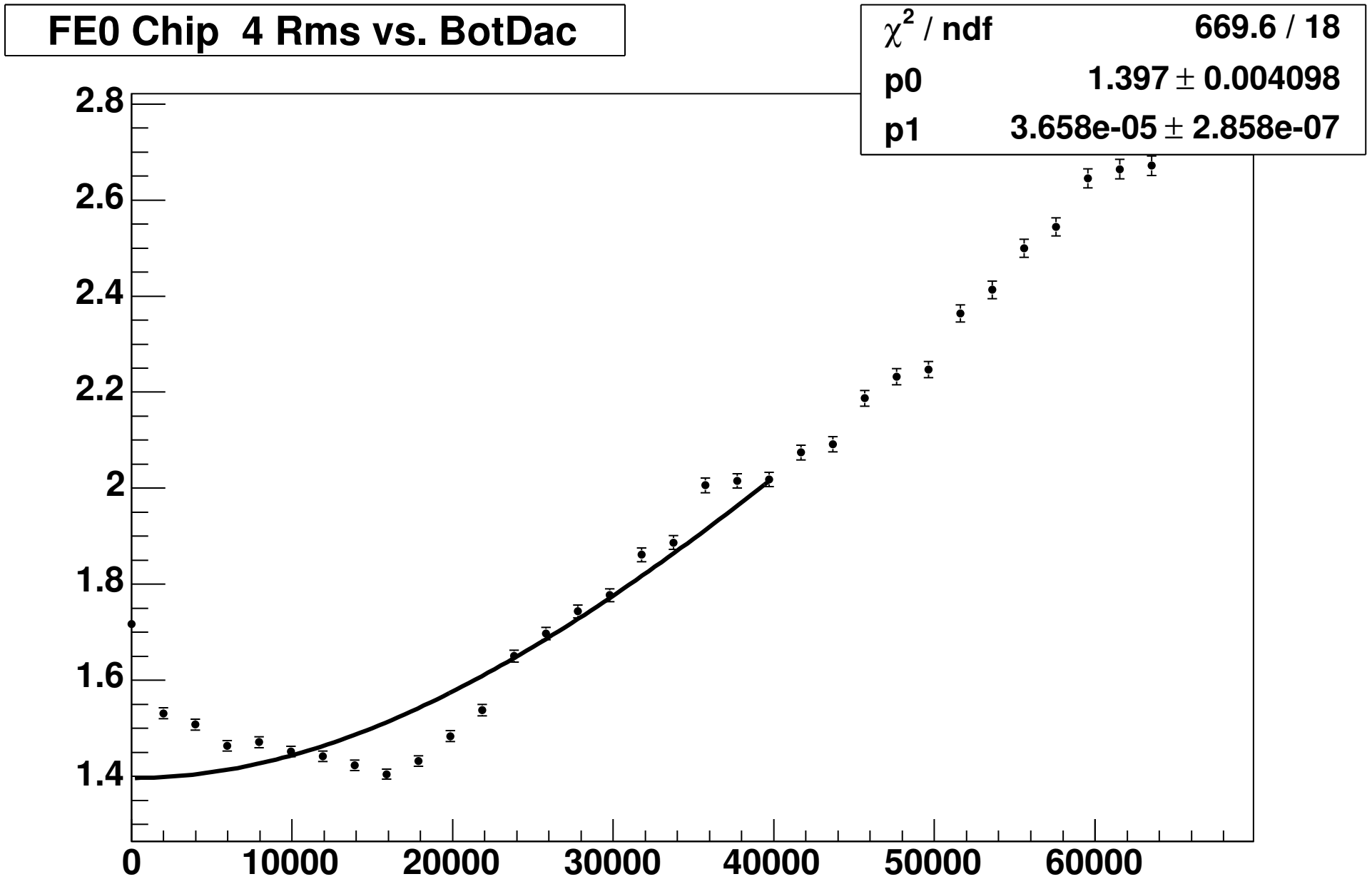
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 669.6 / 18
p0 1.397 ± 0.004098
p1 3.658e-05 ± 2.858e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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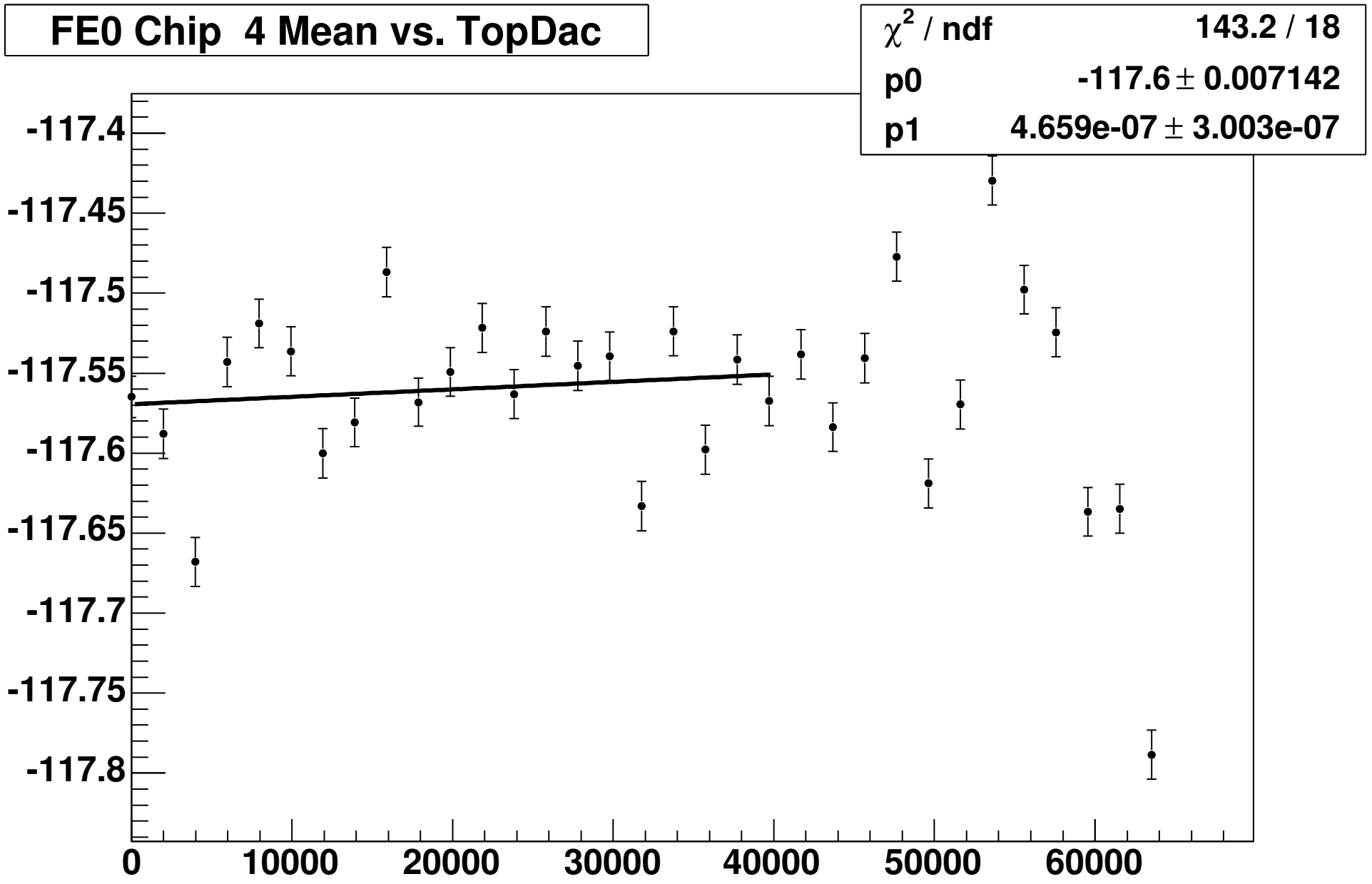
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 143.2 / 18
p0 -117.6 ± 0.007142
p1 4.659e-07 ± 3.003e-07
-117.4
-117.45
-117.5
-117.55
-117.6
-117.65
-117.7
-117.75
-117.8
0
10000
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30000
40000
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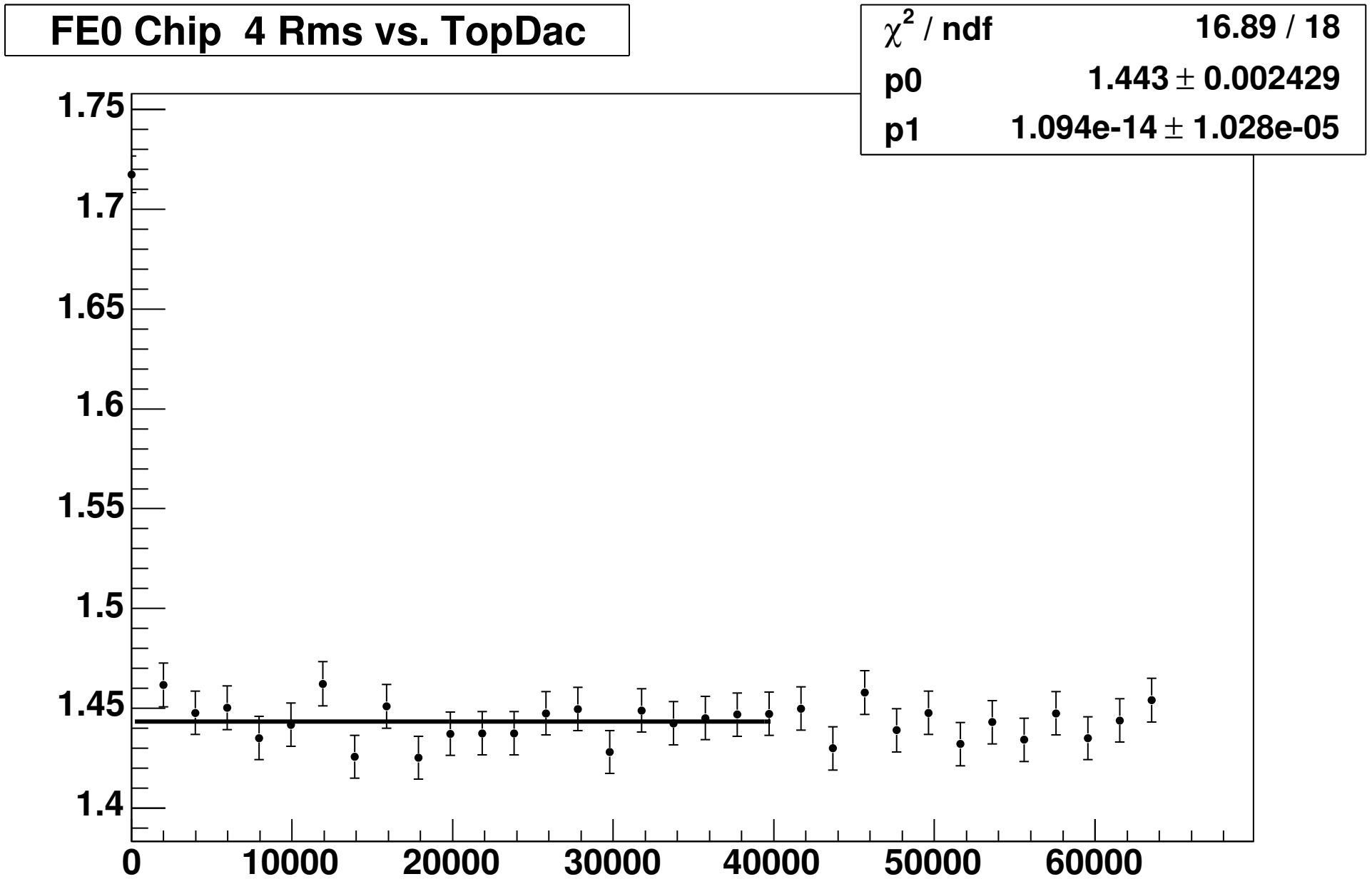
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 16.89 / 18
p0 1.443 ± 0.002429
p1 1.094e-14 ± 1.028e-05
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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30000
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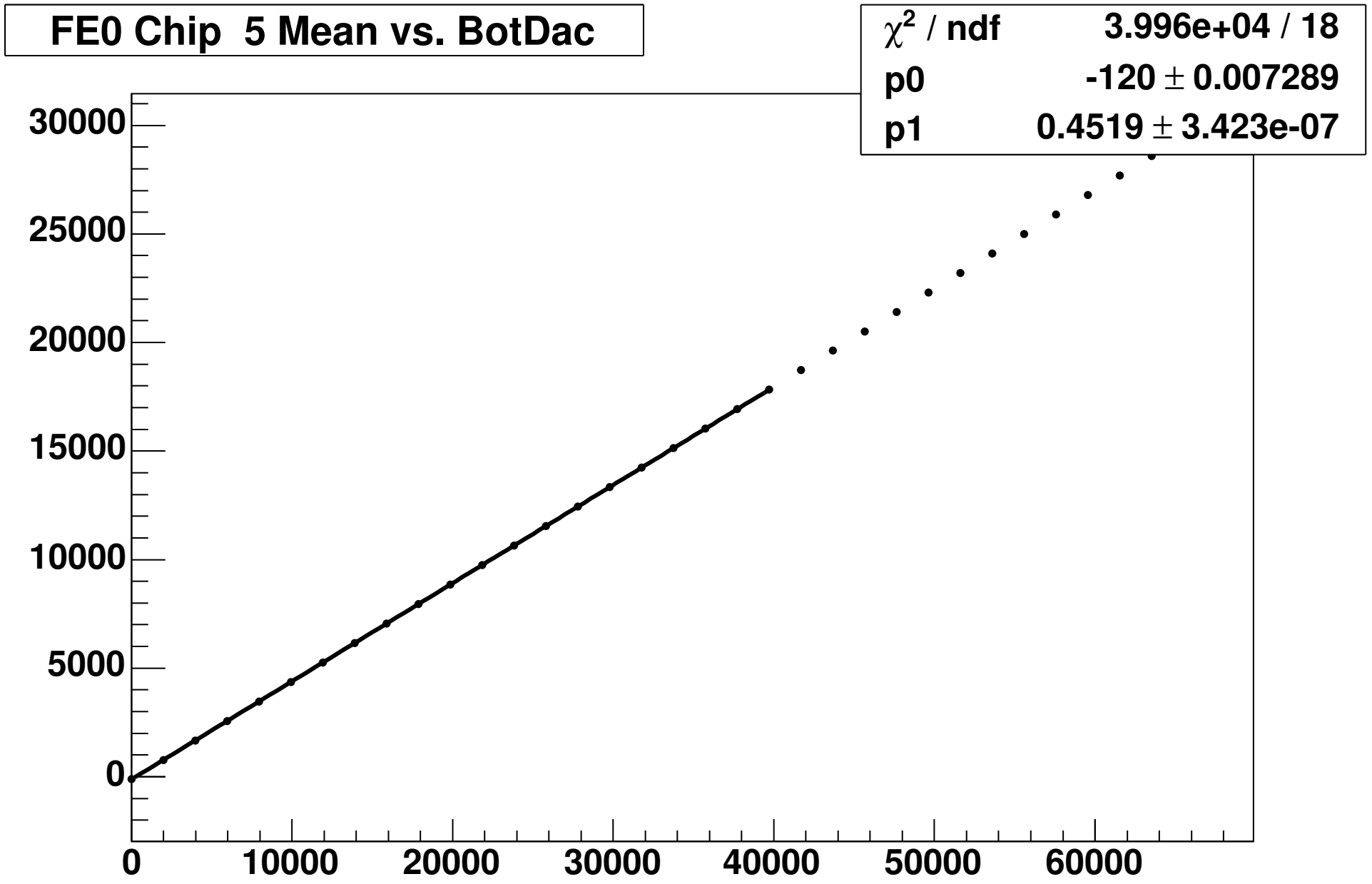
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 3.996e+04 / 18
p0 -120 ± 0.007289
p1 0.4519 ± 3.423e-07
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25000
20000
15000
10000
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0
10000
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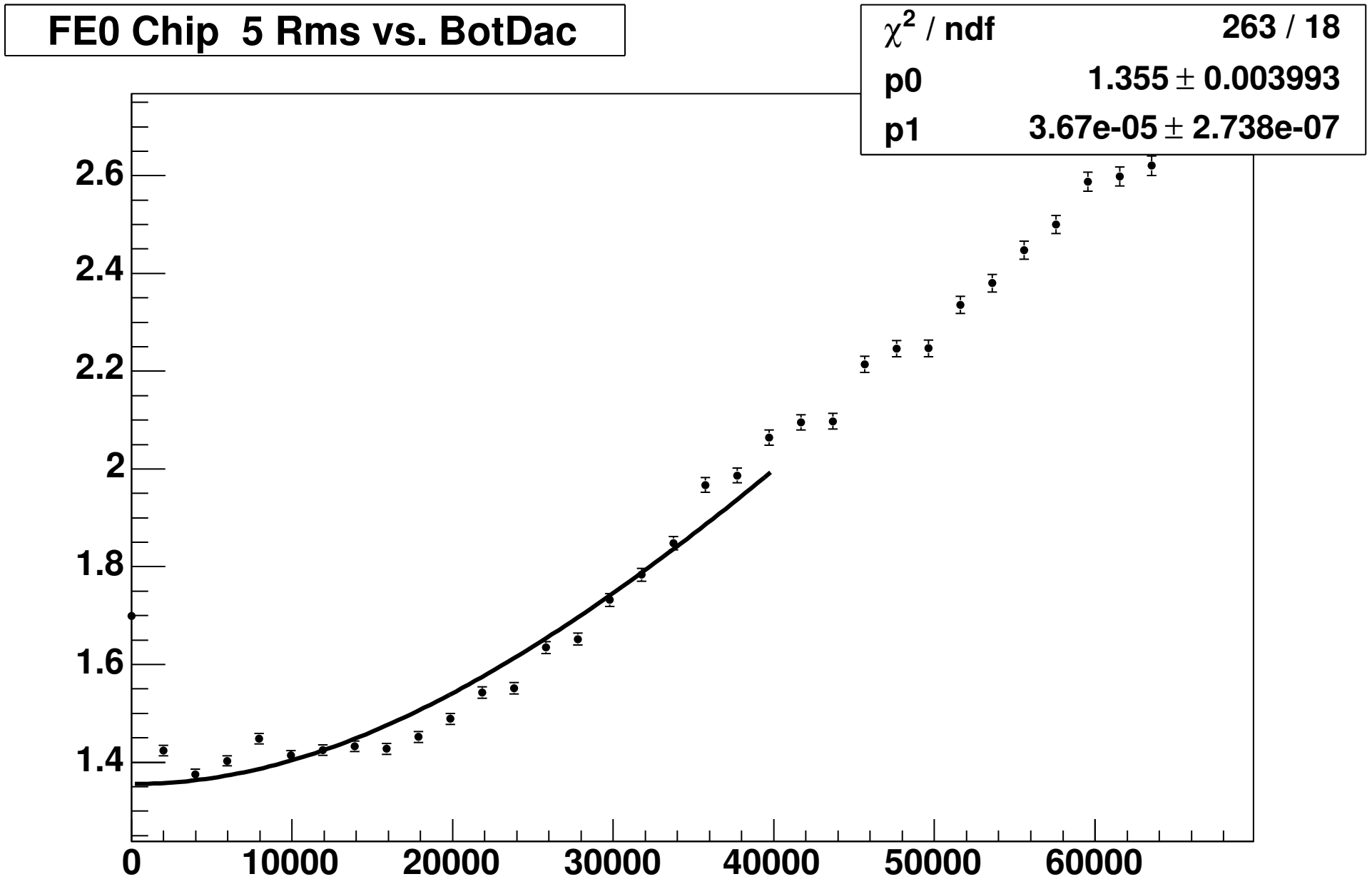
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 263 / 18
p0 1.355 ± 0.003993
p1 3.67e-05 ± 2.738e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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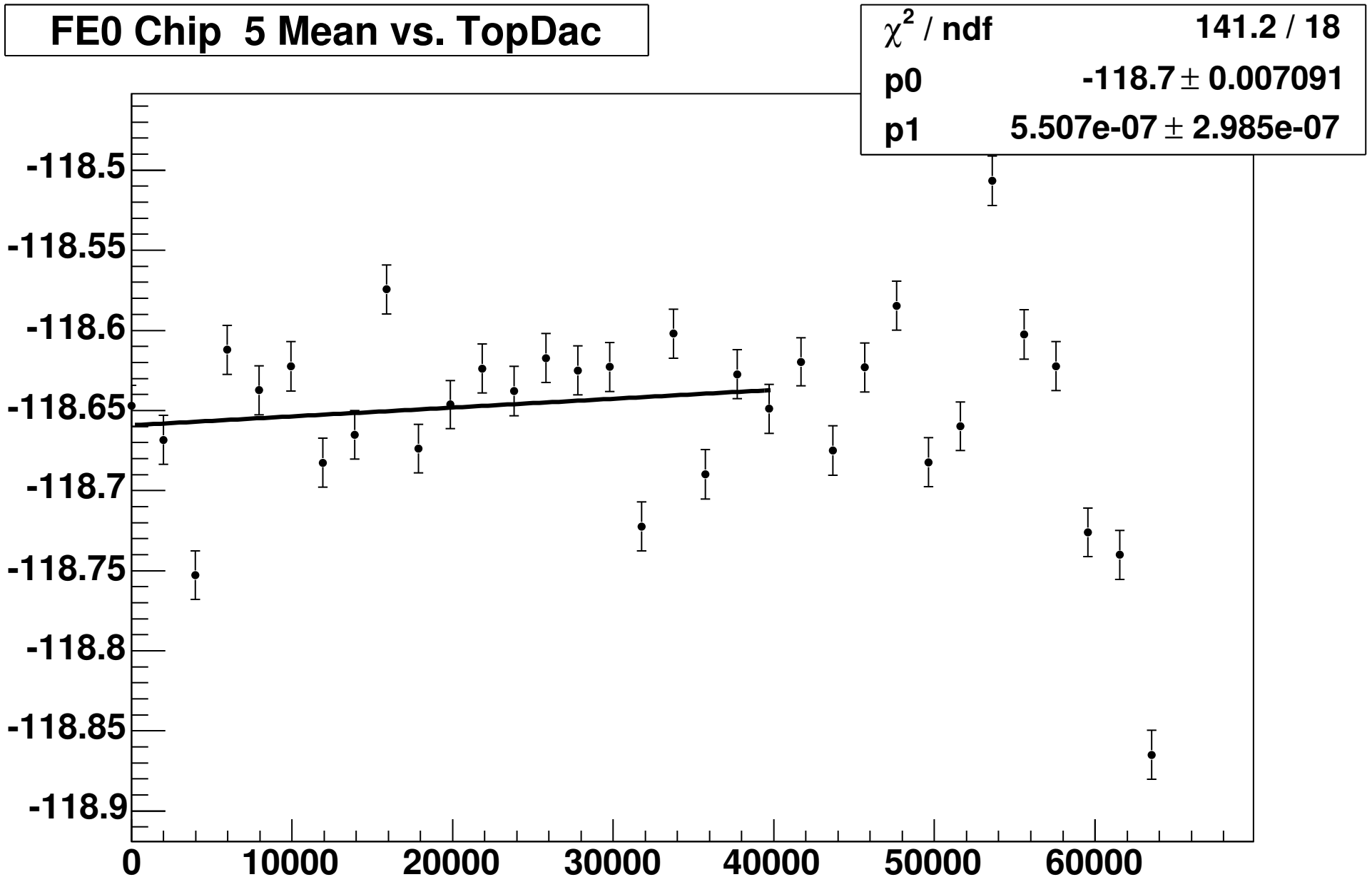
50000
60000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 141.2 / 18
p0 -118.7 ± 0.007091
p1 5.507e-07 ± 2.985e-07
-118.5
-118.55
-118.6
-118.65
-118.7
-118.75
-118.8
-118.85
-118.9
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10000
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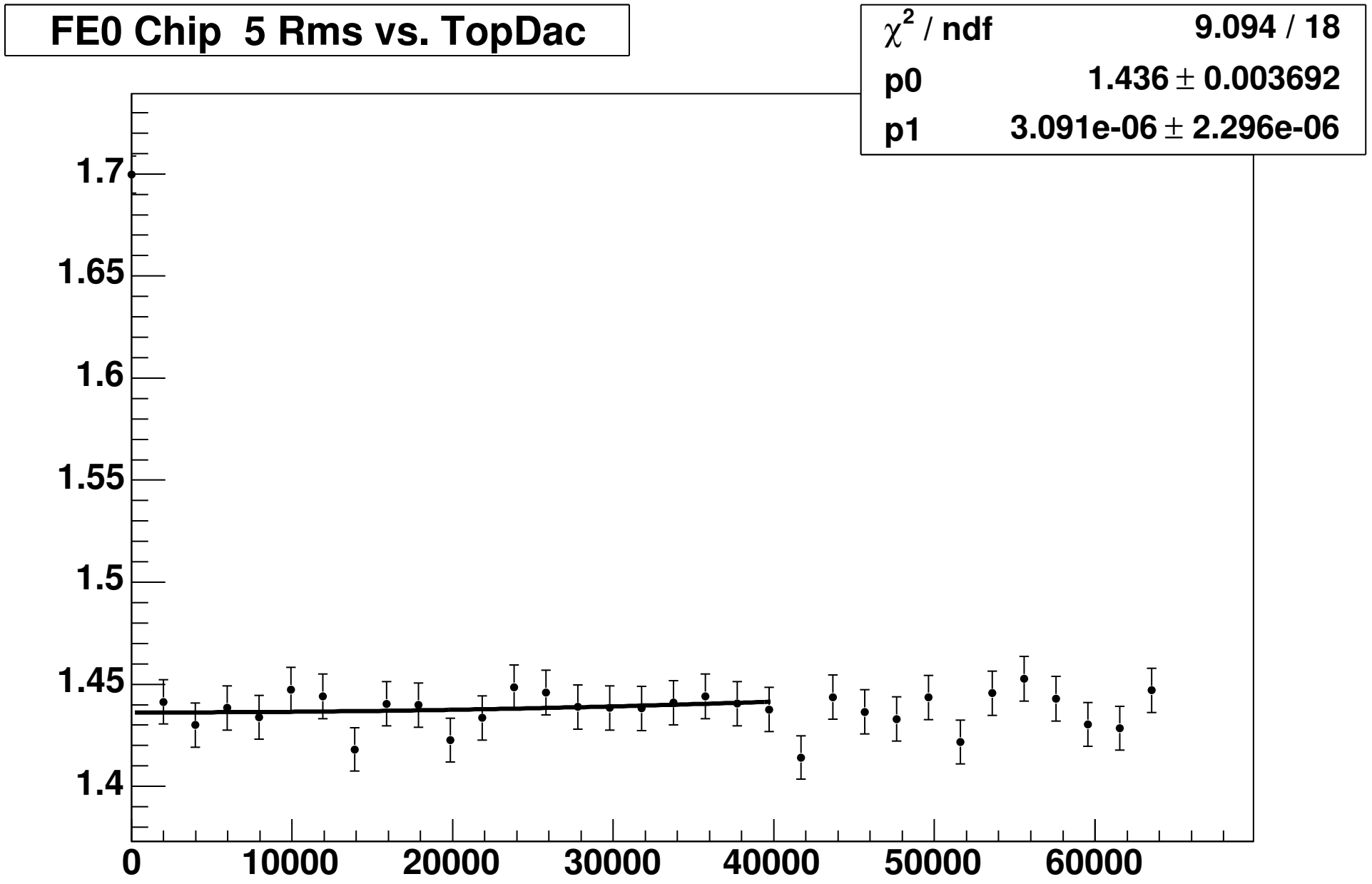
60000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 9.094 / 18
p0 1.436 ± 0.003692
p1 3.091e-06 ± 2.296e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
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10000
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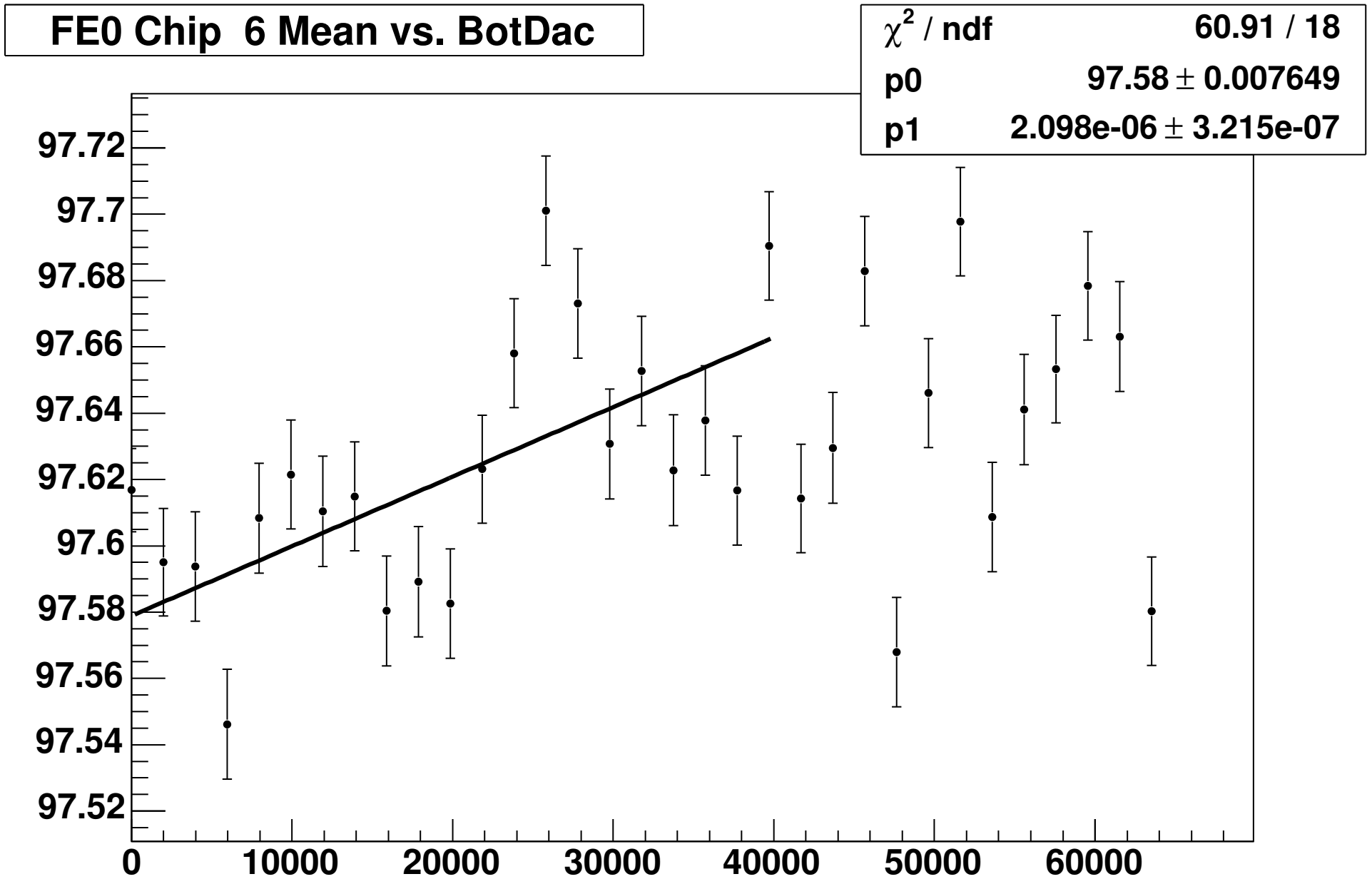
FE0 Chip 6 Mean vs. BotDac
χ² / ndf 60.91 / 18
p0 97.58 ± 0.007649
p1 2.098e-06 ± 3.215e-07
97.72
97.7
97.68
97.66
97.64
97.62
97.6
97.58
97.56
97.54
97.52
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10000
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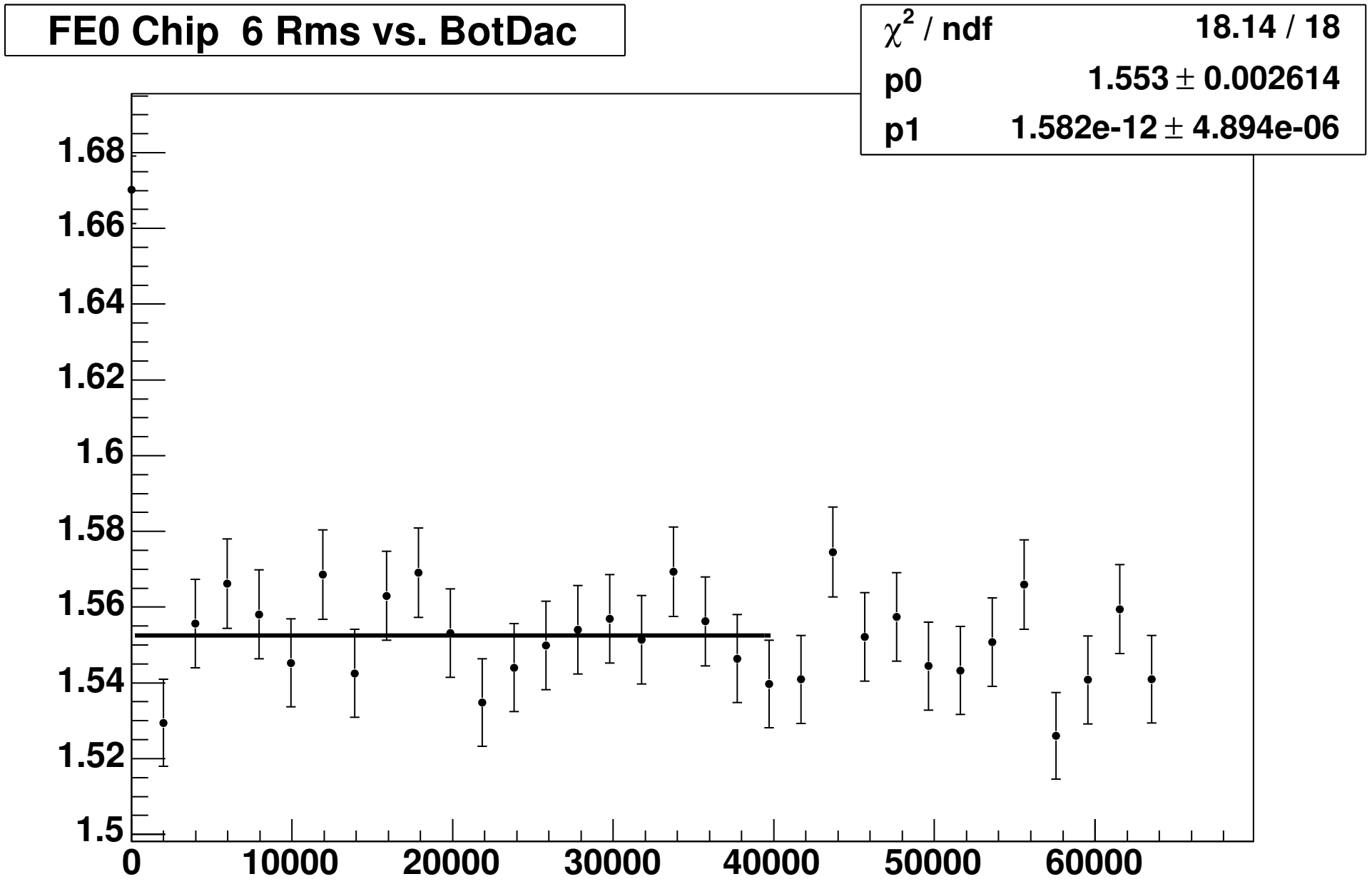
40000
50000
60000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 18.14 / 18
p0 1.553 ± 0.002614
p1 1.582e-12 ± 4.894e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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30000
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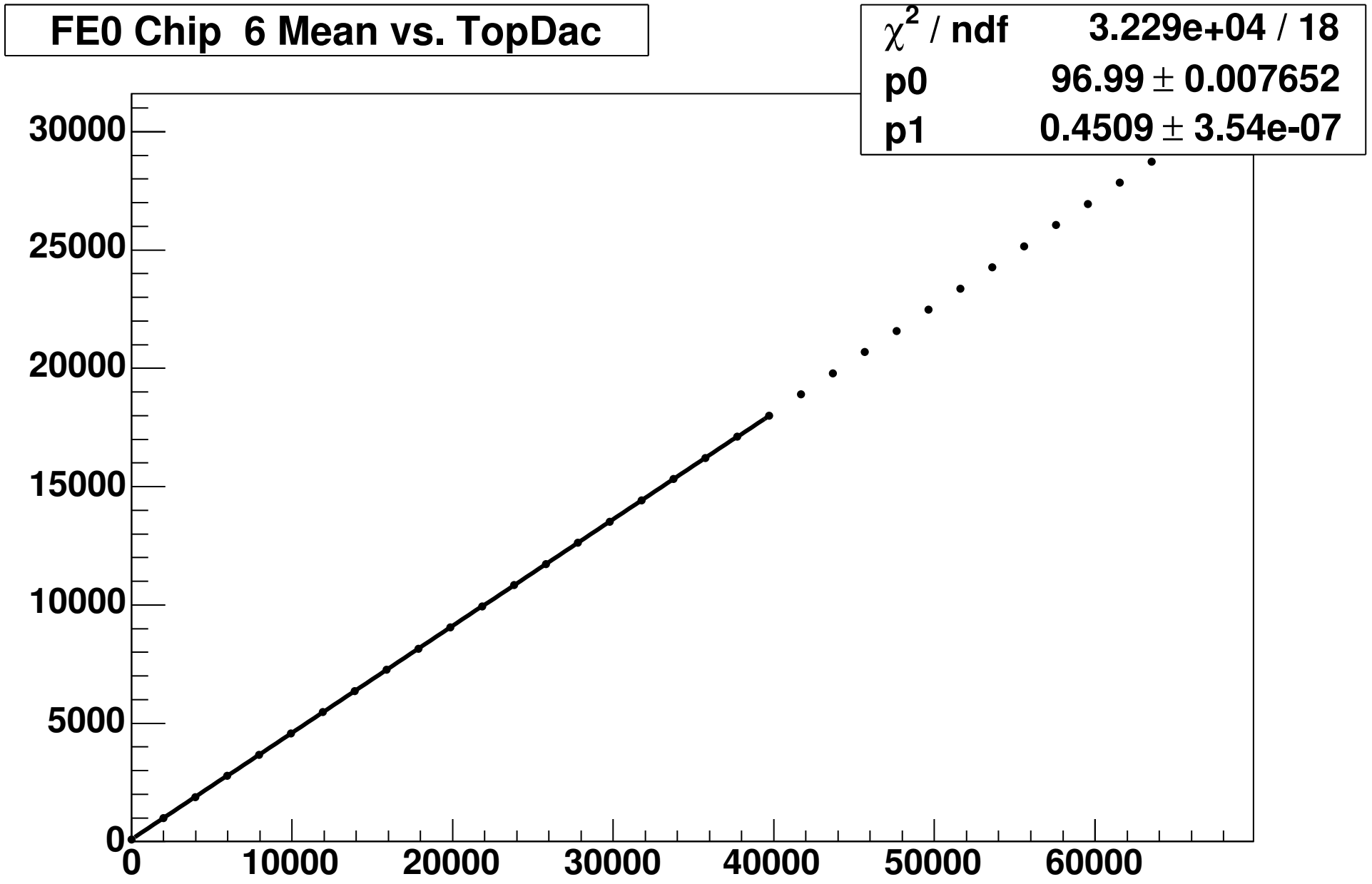
50000
60000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 3.229e+04 / 18
p0 96.99 ± 0.007652
p1 0.4509 ± 3.54e-07
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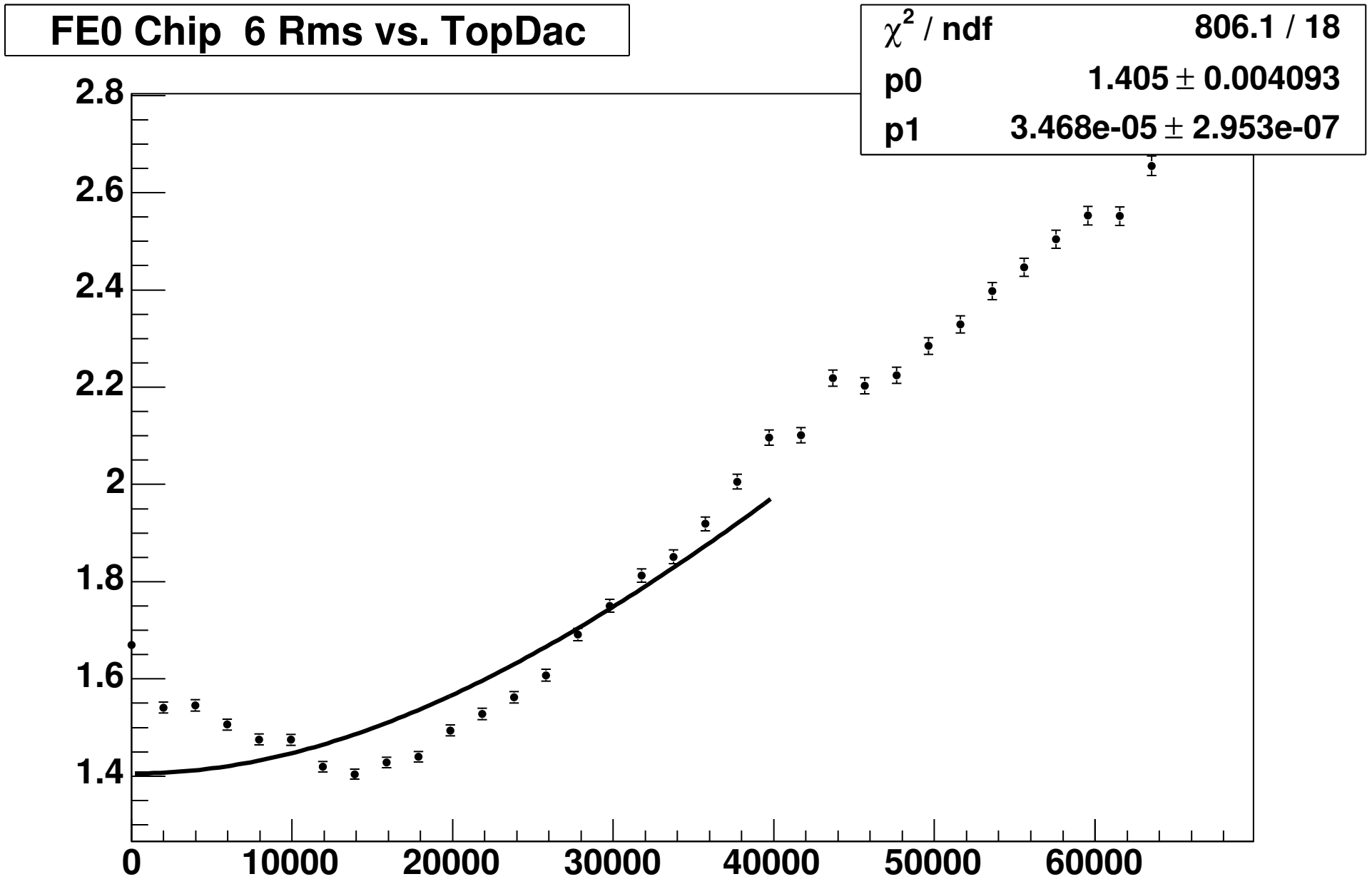
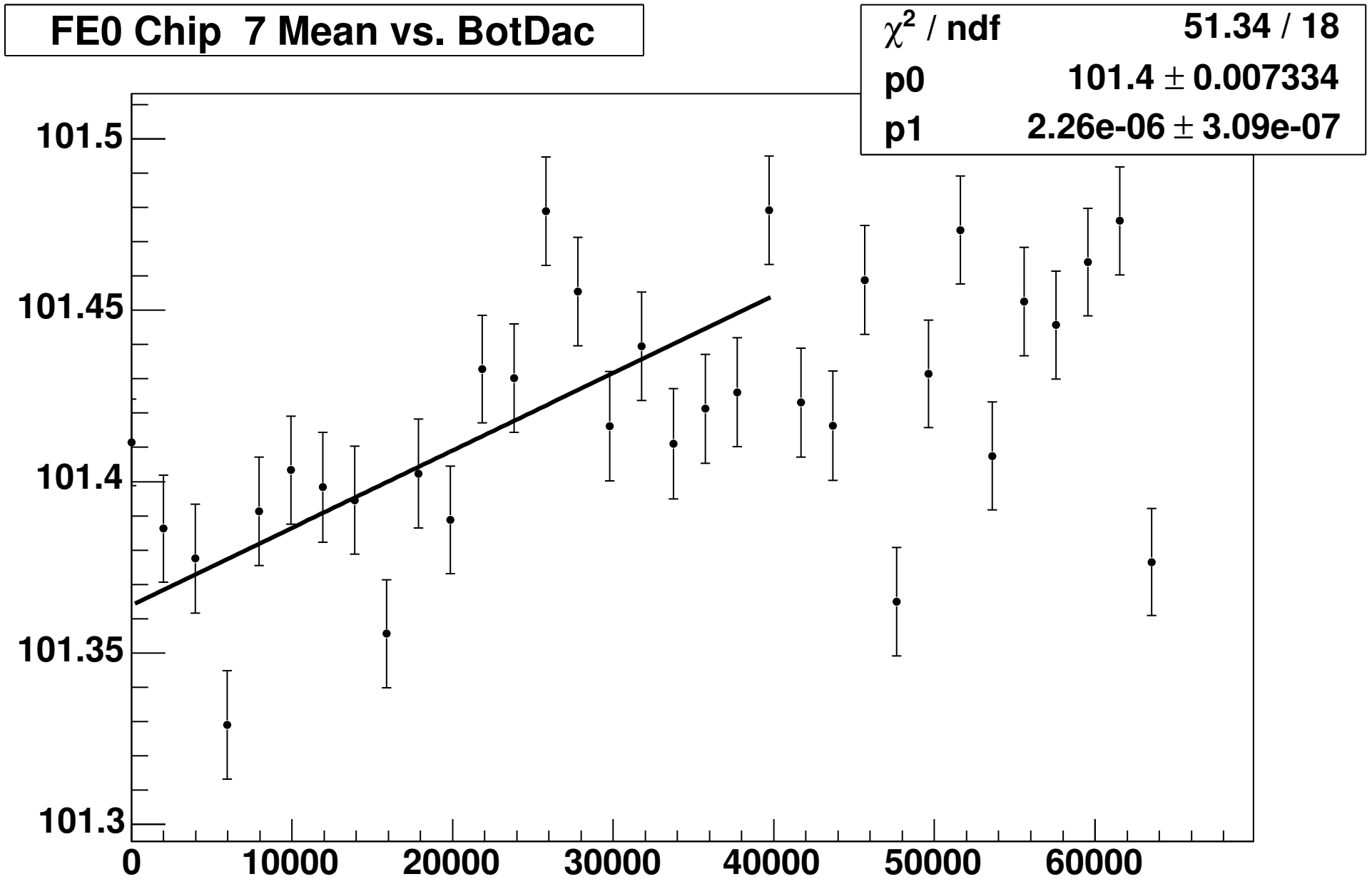
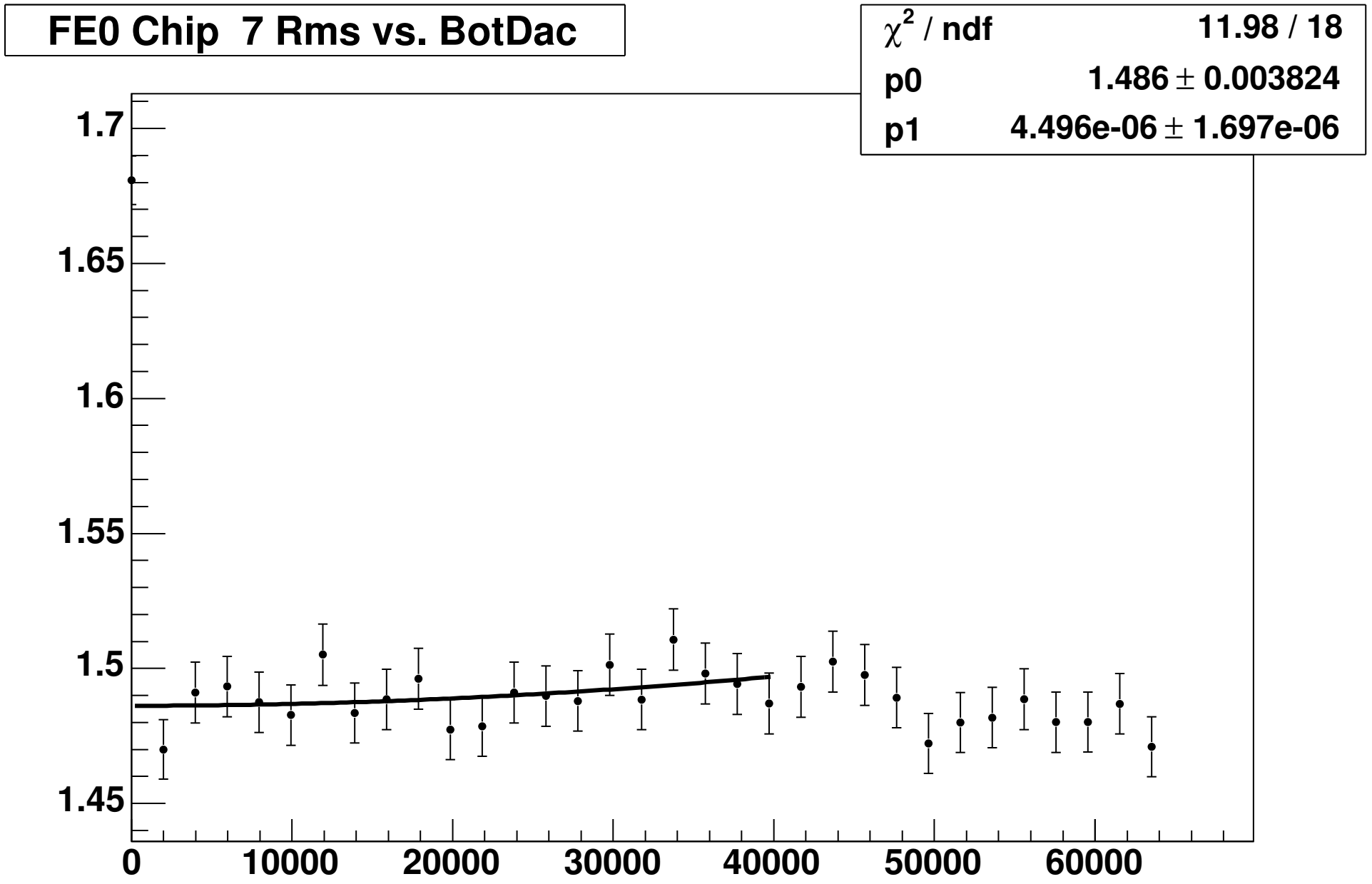
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 806.1 / 18
p0 1.405 ± 0.004093
p1 3.468e-05 ± 2.953e-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 7 Mean vs. BotDac
χ² / ndf 51.34 / 18
p0 101.4 ± 0.007334
p1 2.26e-06 ± 3.09e-07
101.5
101.45
101.4
101.35
101.3
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 11.98 / 18
p0 1.486 ± 0.003824
p1 4.496e-06 ± 1.697e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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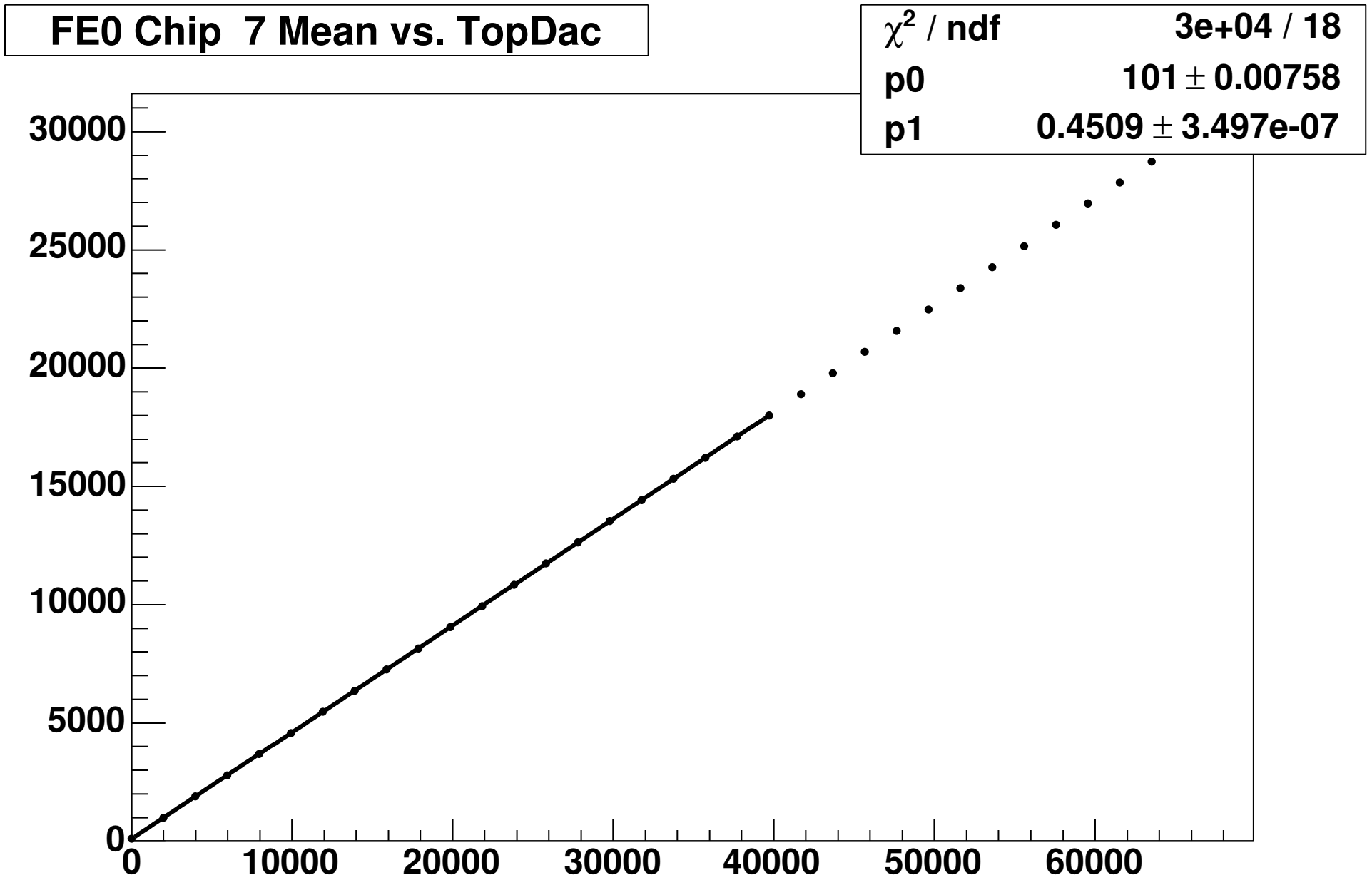
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 3e+04 / 18
p0 101 ± 0.00758
p1 0.4509 ± 3.497e-07
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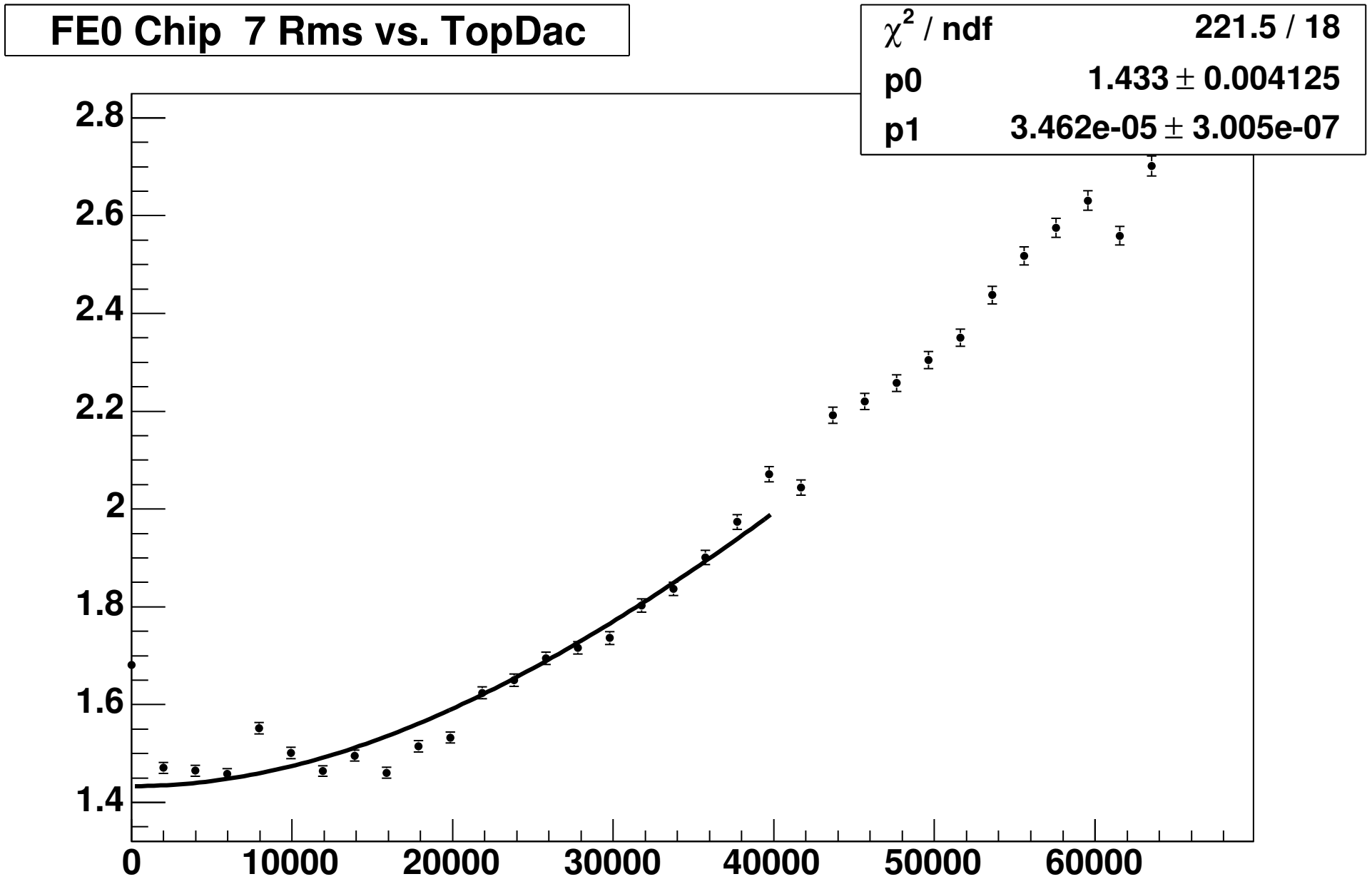
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 221.5 / 18
p0 1.433 ± 0.004125
p1 3.462e-05 ± 3.005e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
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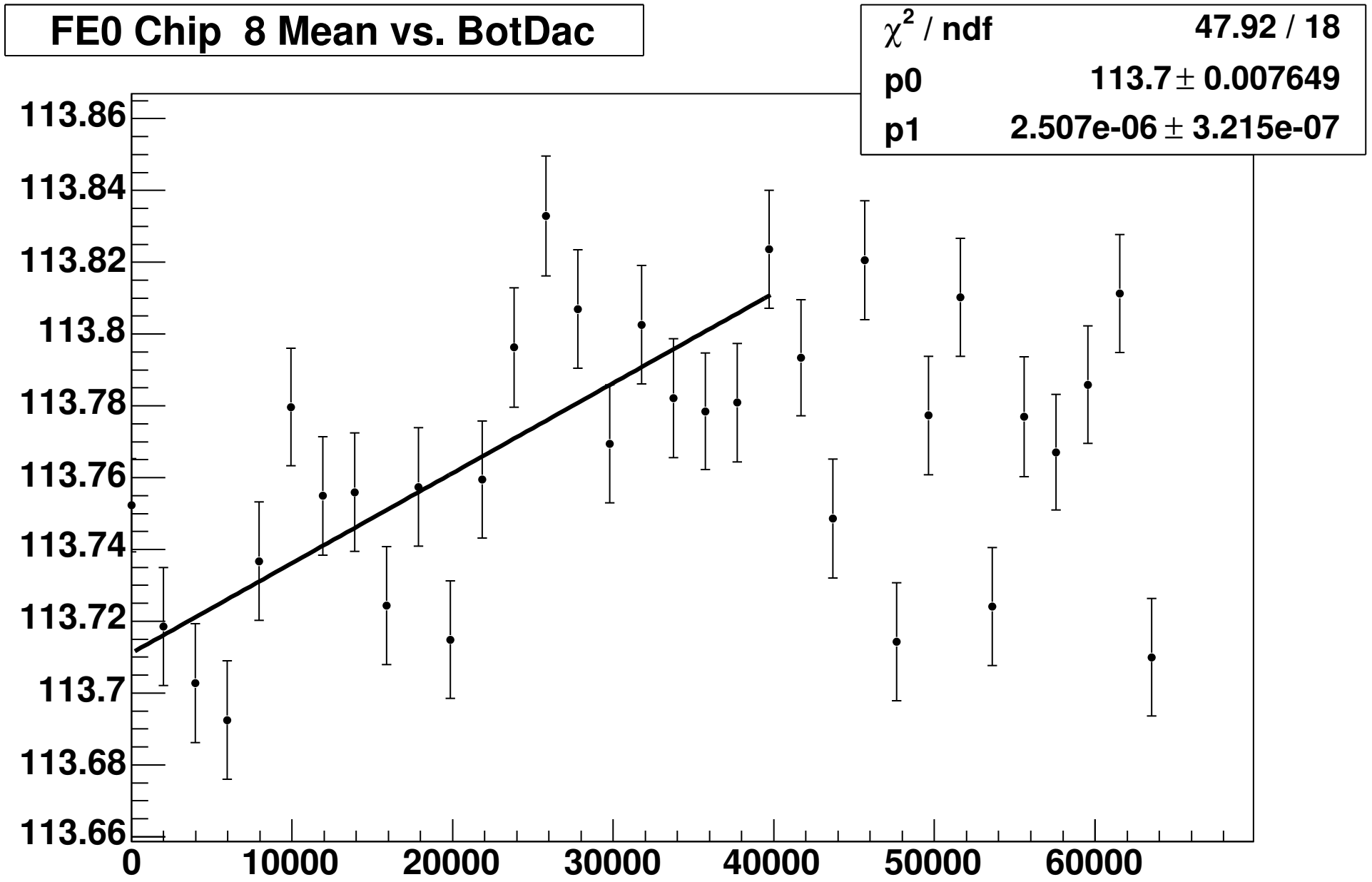
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 47.92 / 18
p0 113.7 ± 0.007649
p1 2.507e-06 ± 3.215e-07
113.86
113.84
113.82
113.8
113.78
113.76
113.74
113.72
113.7
113.68
113.66
0
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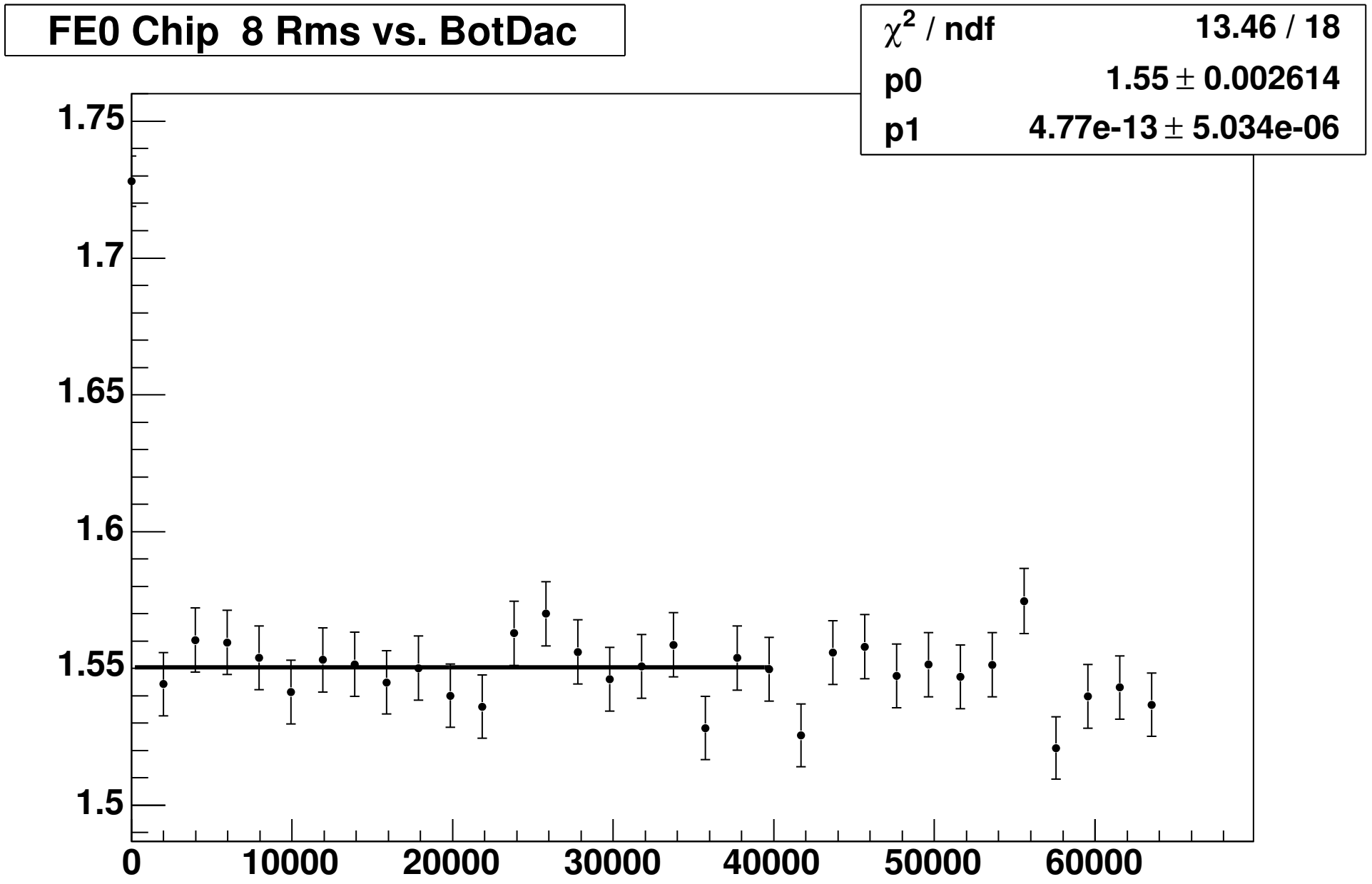
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 13.46 / 18
p0 1.55 ± 0.002614
p1 4.77e-13 ± 5.034e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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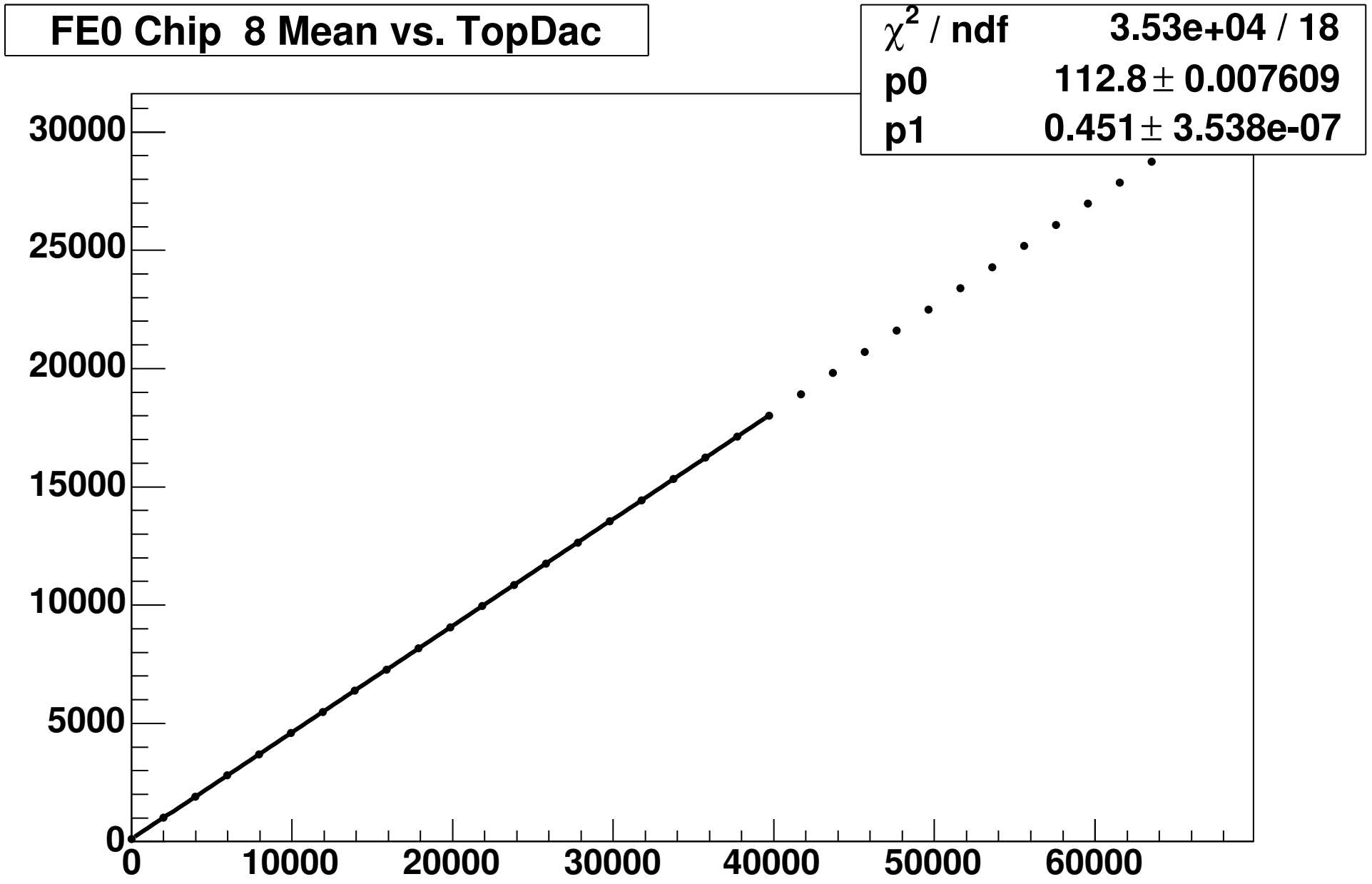
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 3.53e+04 / 18
p0 112.8 ± 0.007609
p1 0.451 ± 3.538e-07
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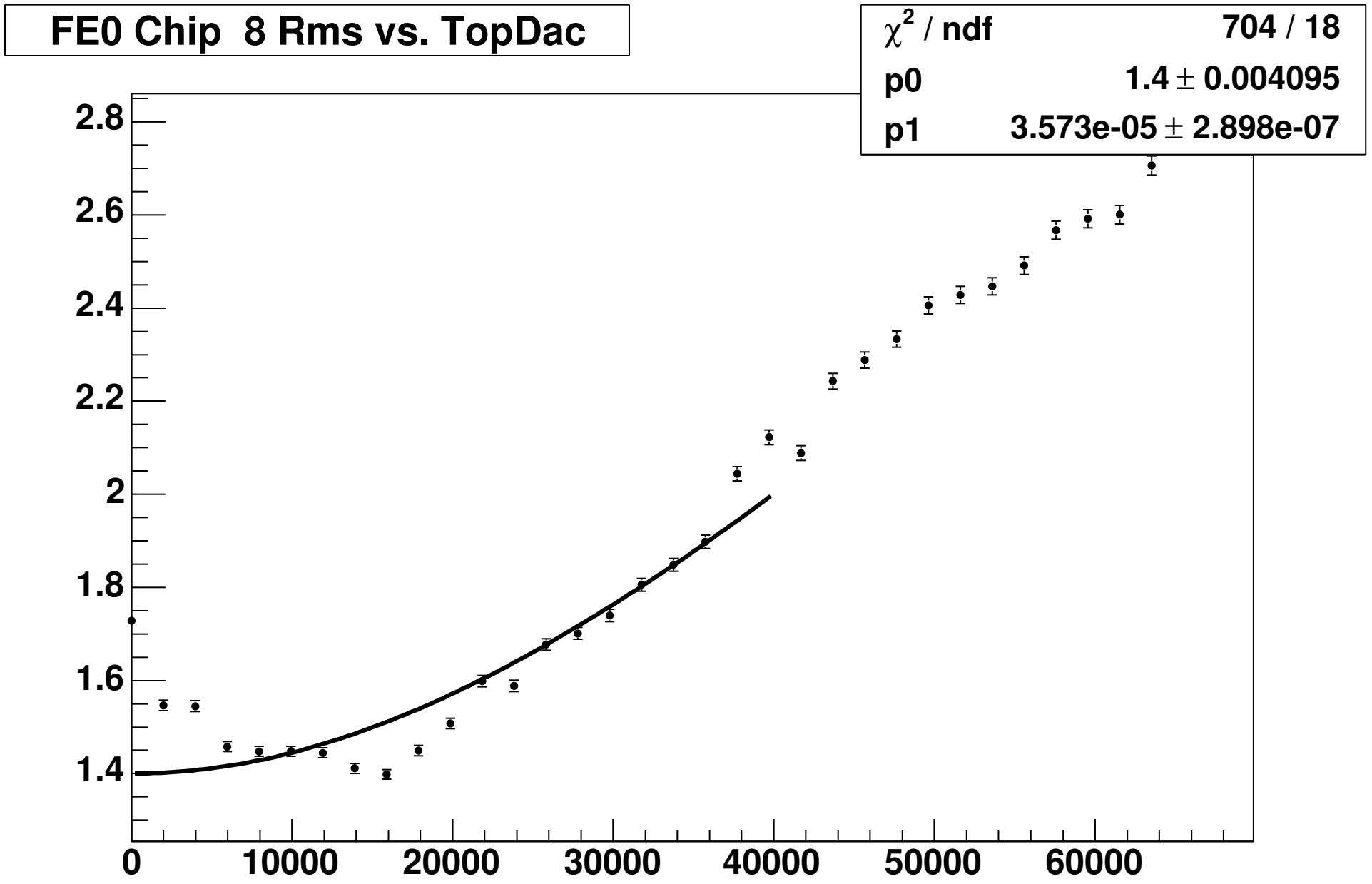
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 704 / 18
p0 1.4 ± 0.004095
p1 3.573e-05 ± 2.898e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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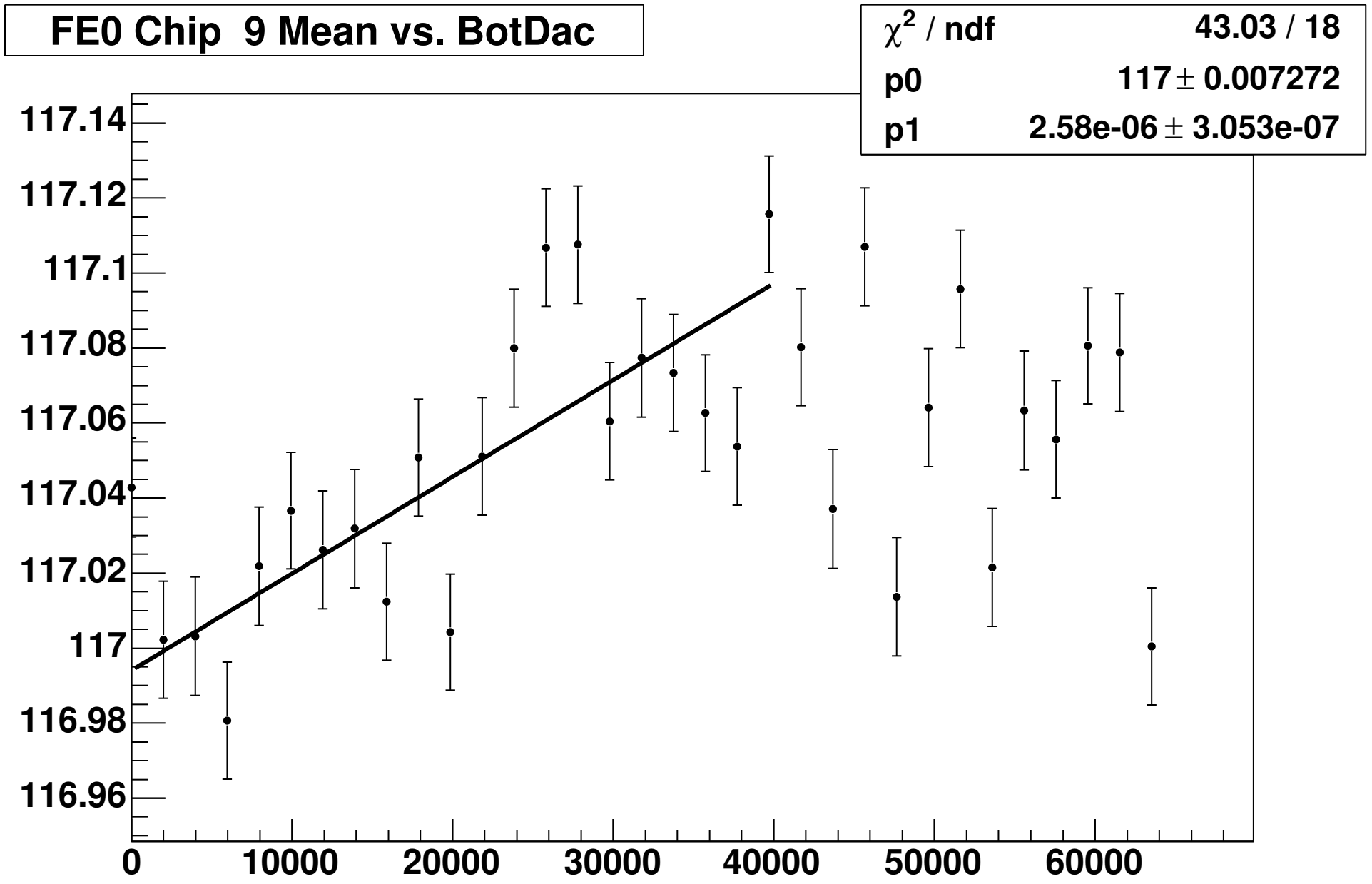
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 43.03 / 18
p0 117 ± 0.007272
p1 2.58e-06 ± 3.053e-07
117.14
117.12
117.1
117.08
117.06
117.04
117.02
117
116.98
116.96
0
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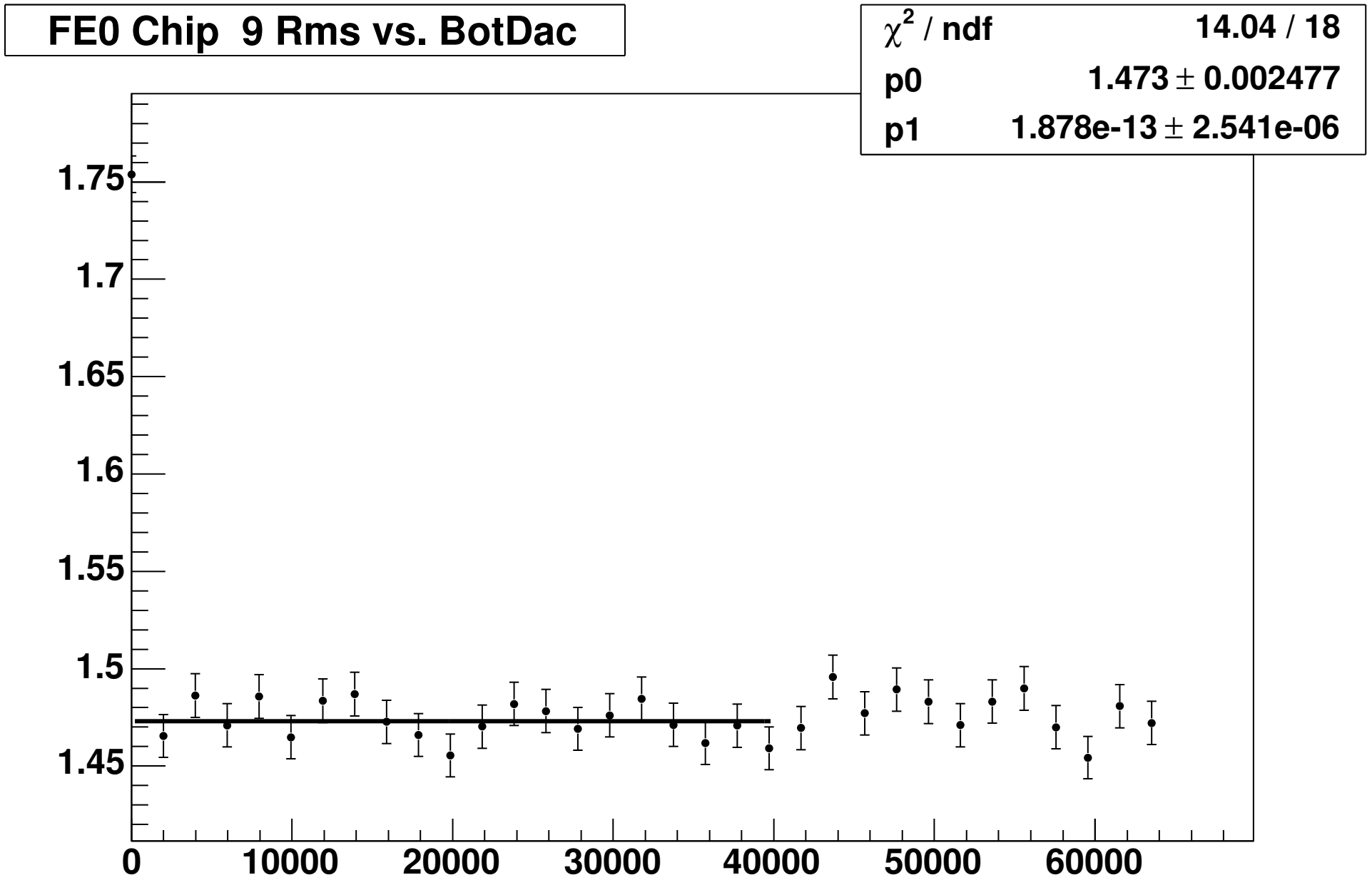
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 14.04 / 18
p0 1.473 ± 0.002477
p1 1.878e-13 ± 2.541e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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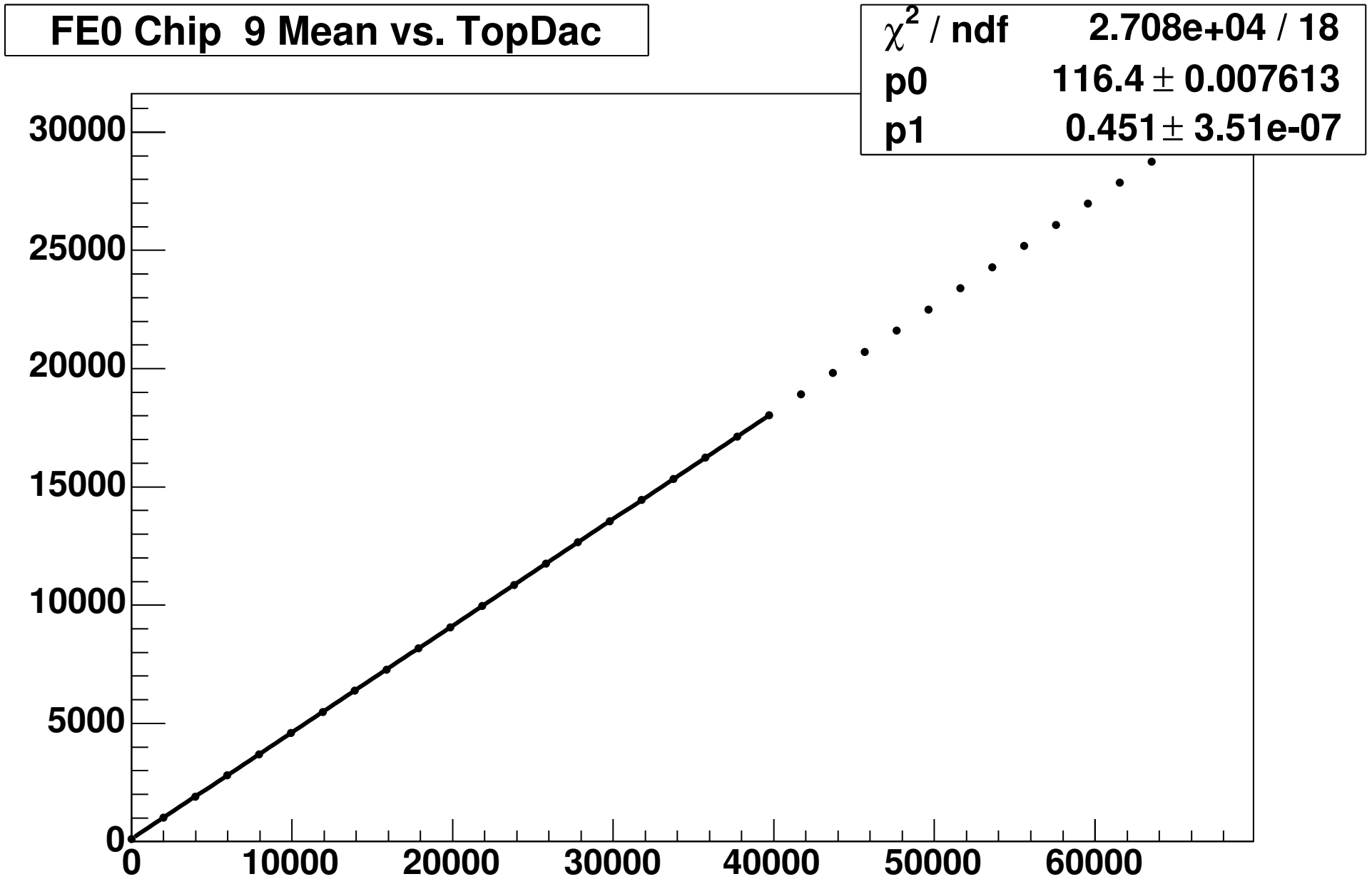
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 2.708e+04 / 18
p0 116.4 ± 0.007613
p1 0.451 ± 3.51e-07
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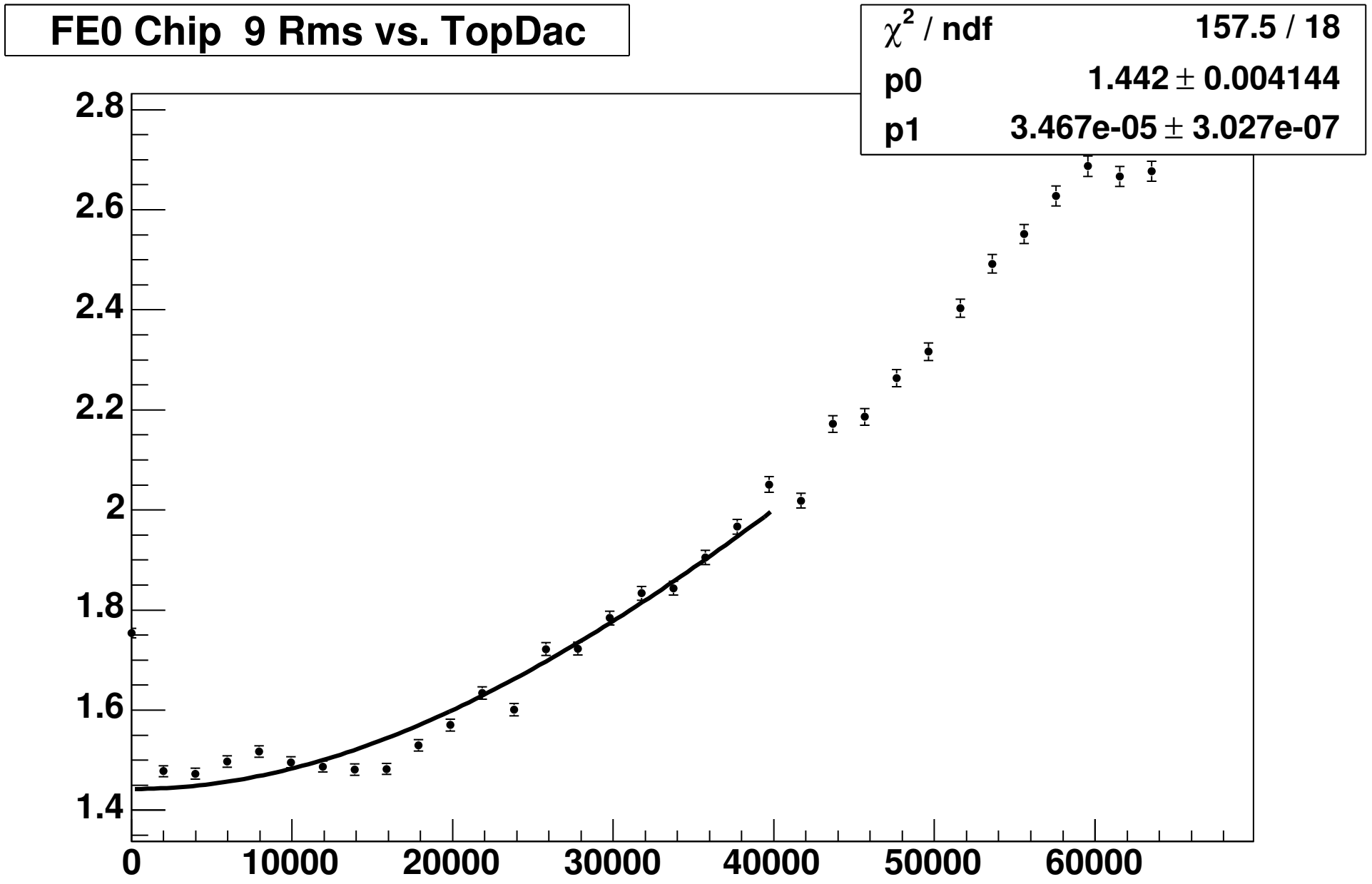
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 157.5 / 18
p0 1.442 ± 0.004144
p1 3.467e-05 ± 3.027e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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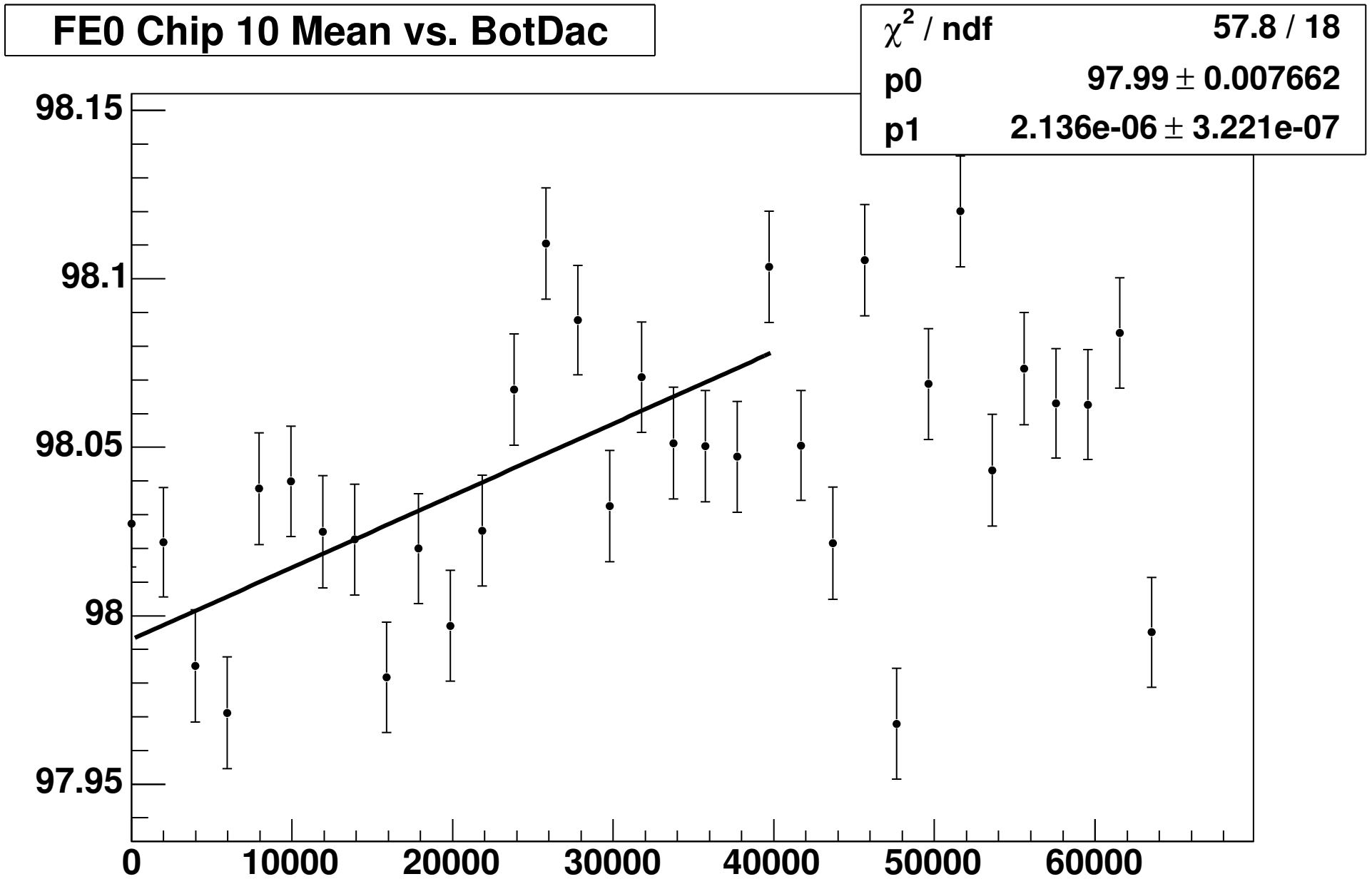
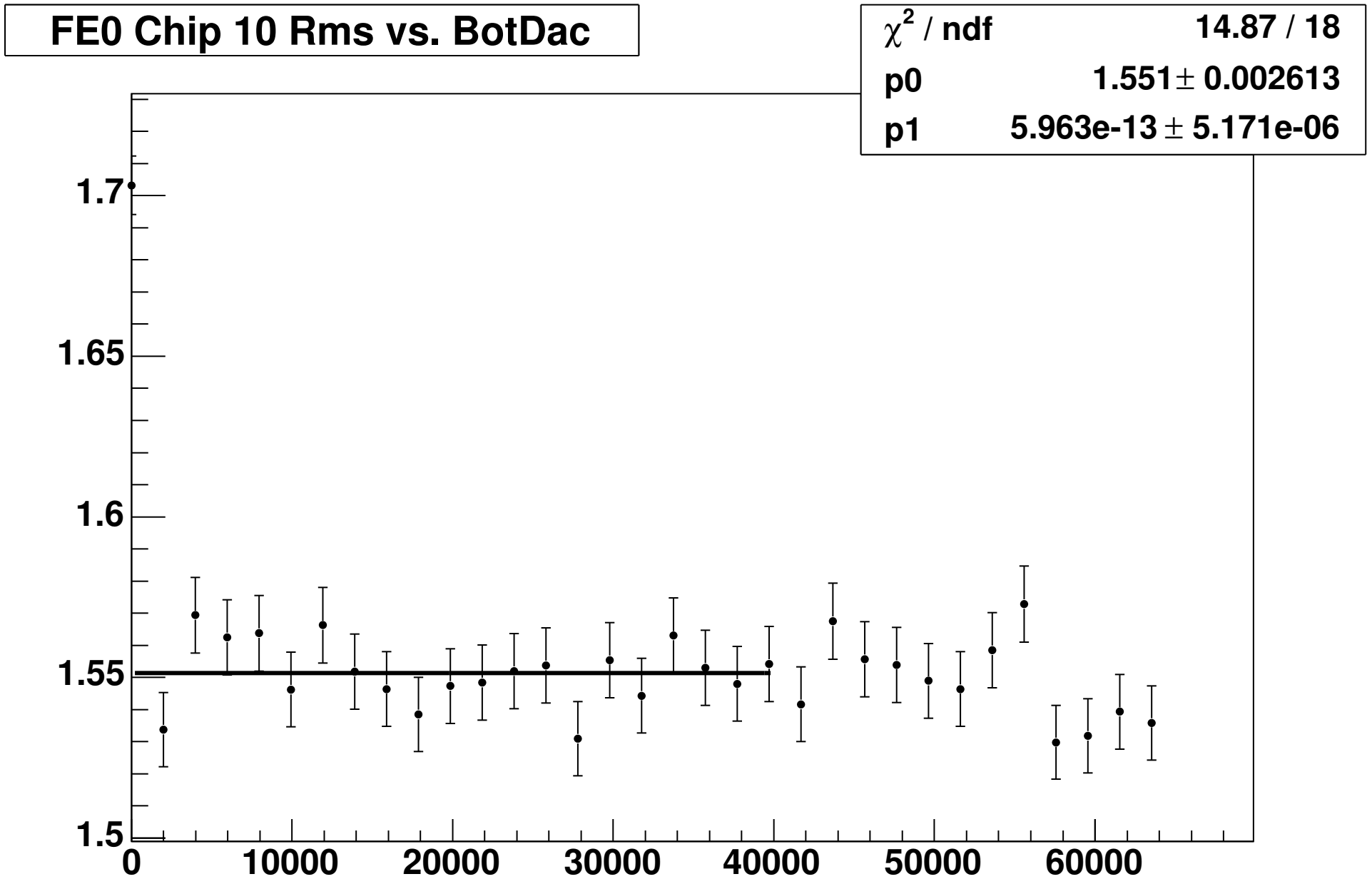

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 57.8 / 18
p0 97.99 ± 0.007662
p1 2.136e-06 ± 3.221e-07
98.15
98.1
98.05
98
97.95
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 14.87 / 18
p0 1.551 ± 0.002613
p1 5.963e-13 ± 5.171e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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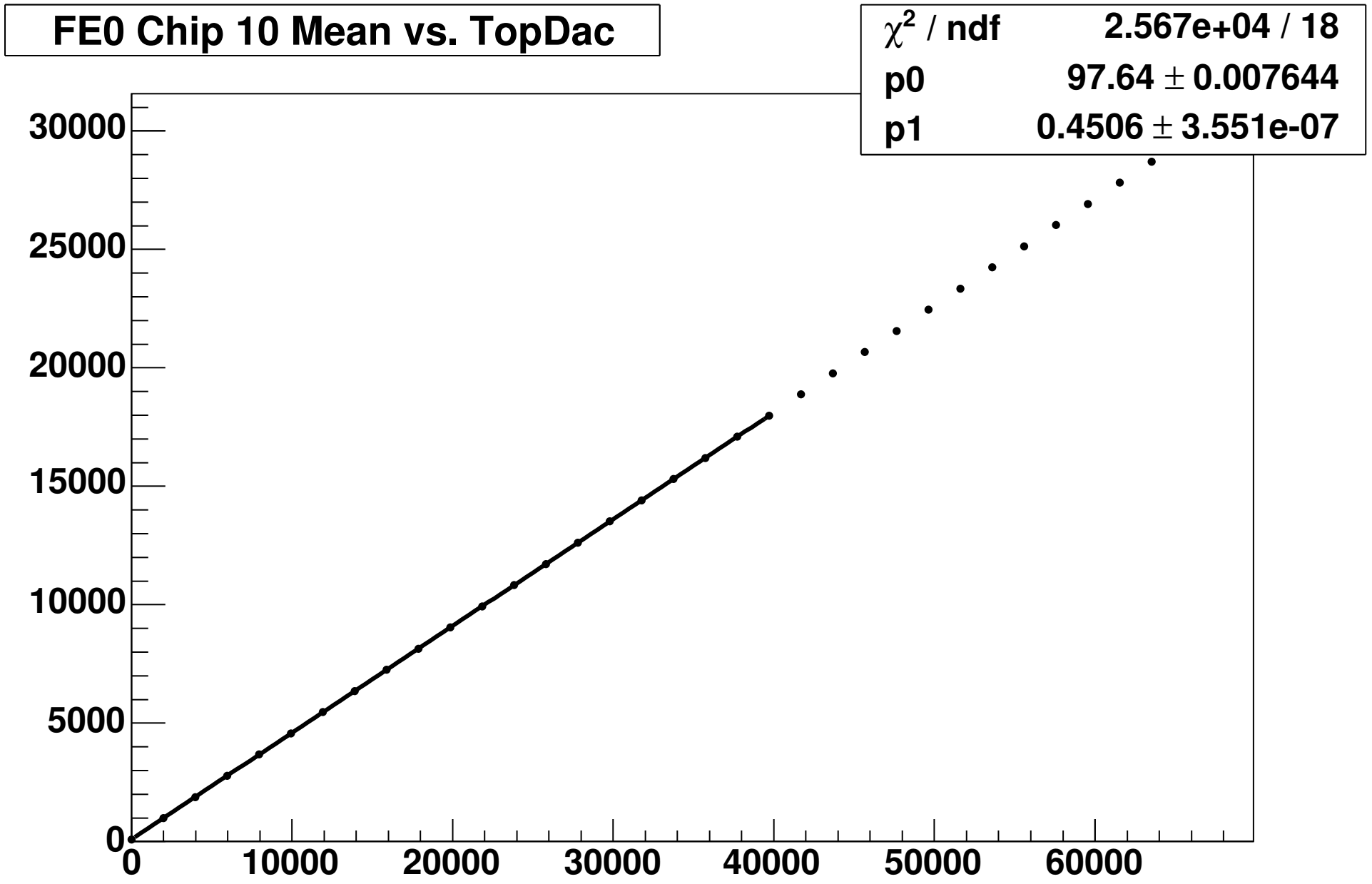
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 2.567e+04 / 18
p0 97.64 ± 0.007644
p1 0.4506 ± 3.551e-07
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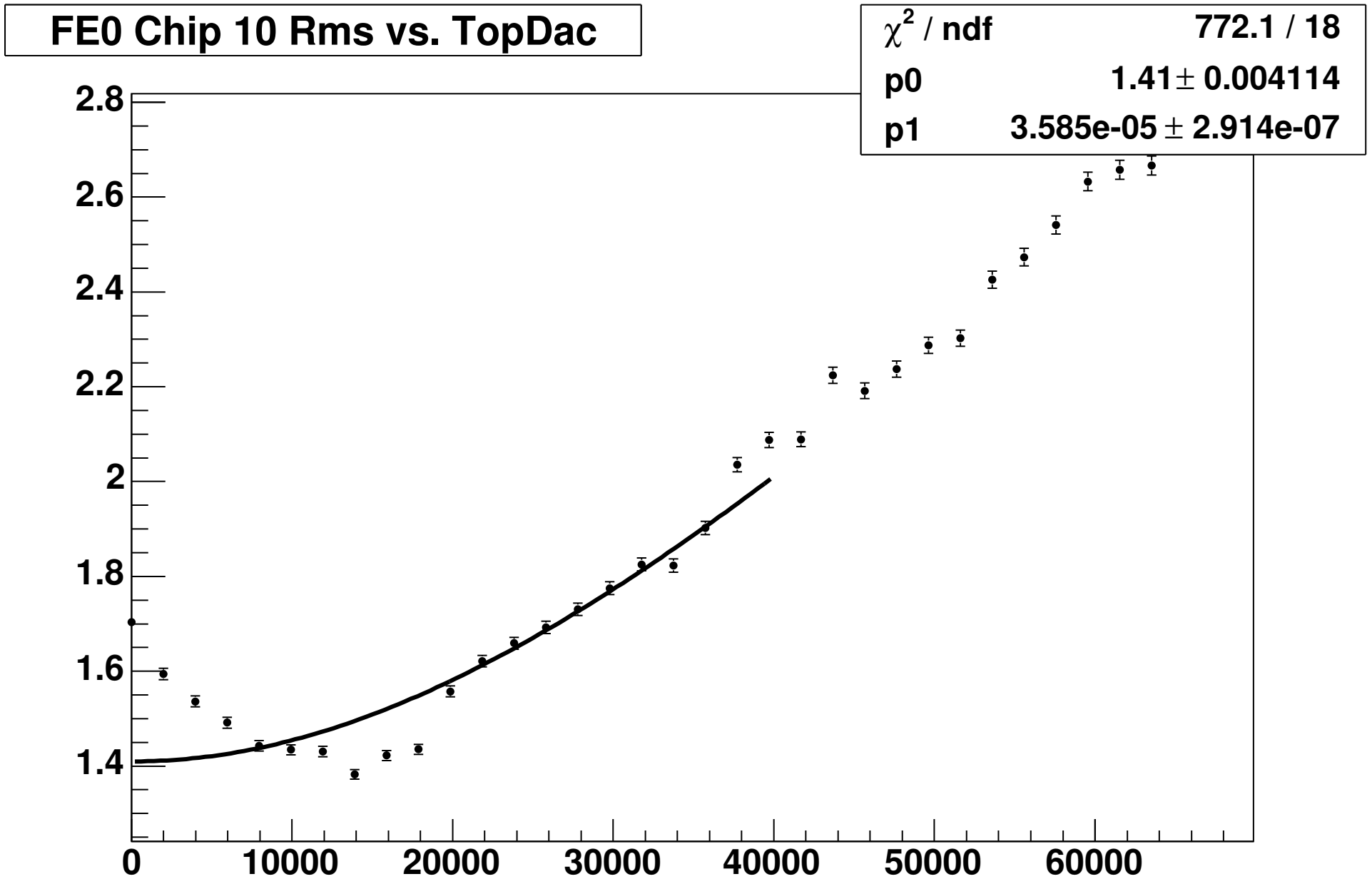
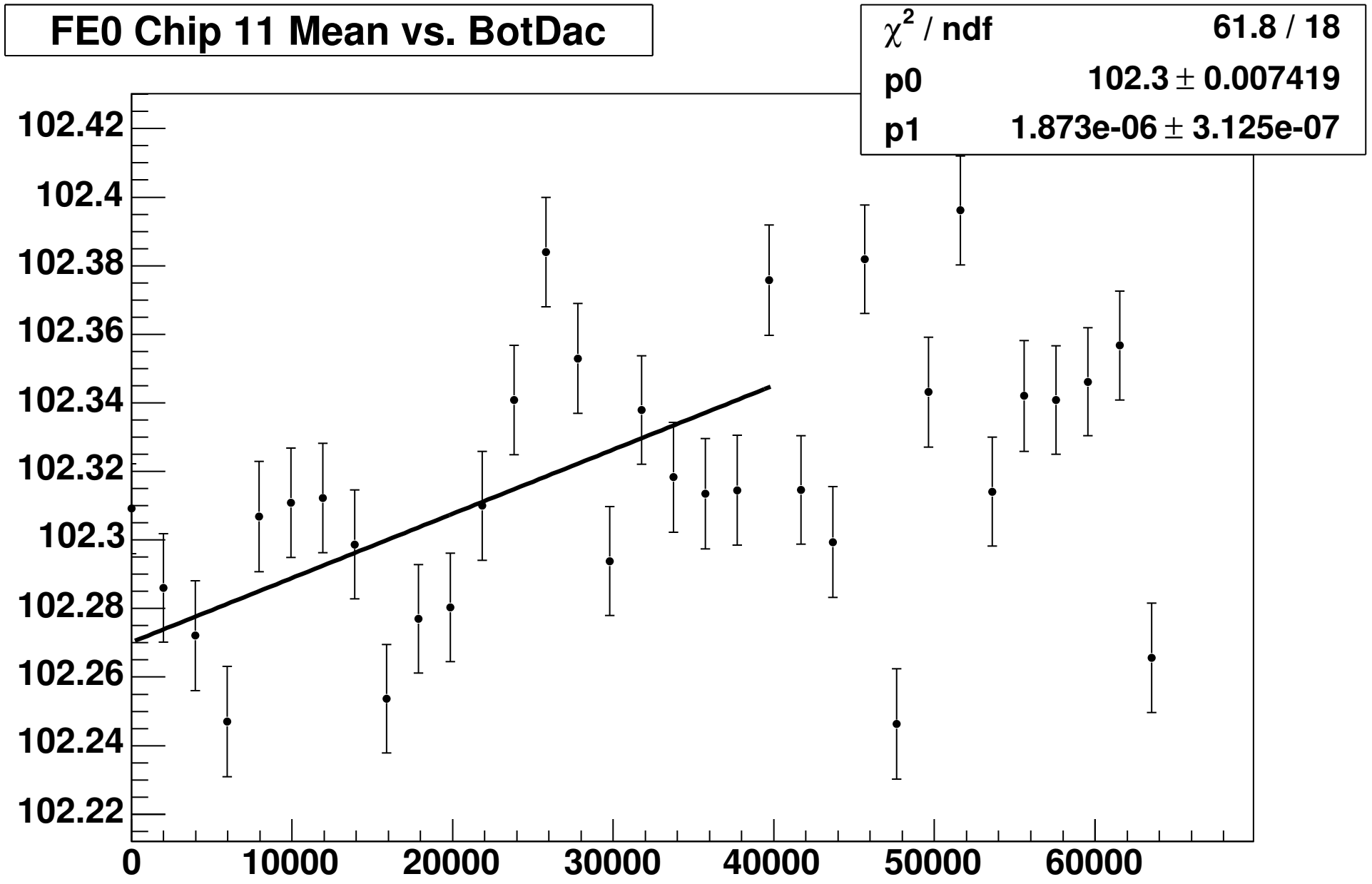
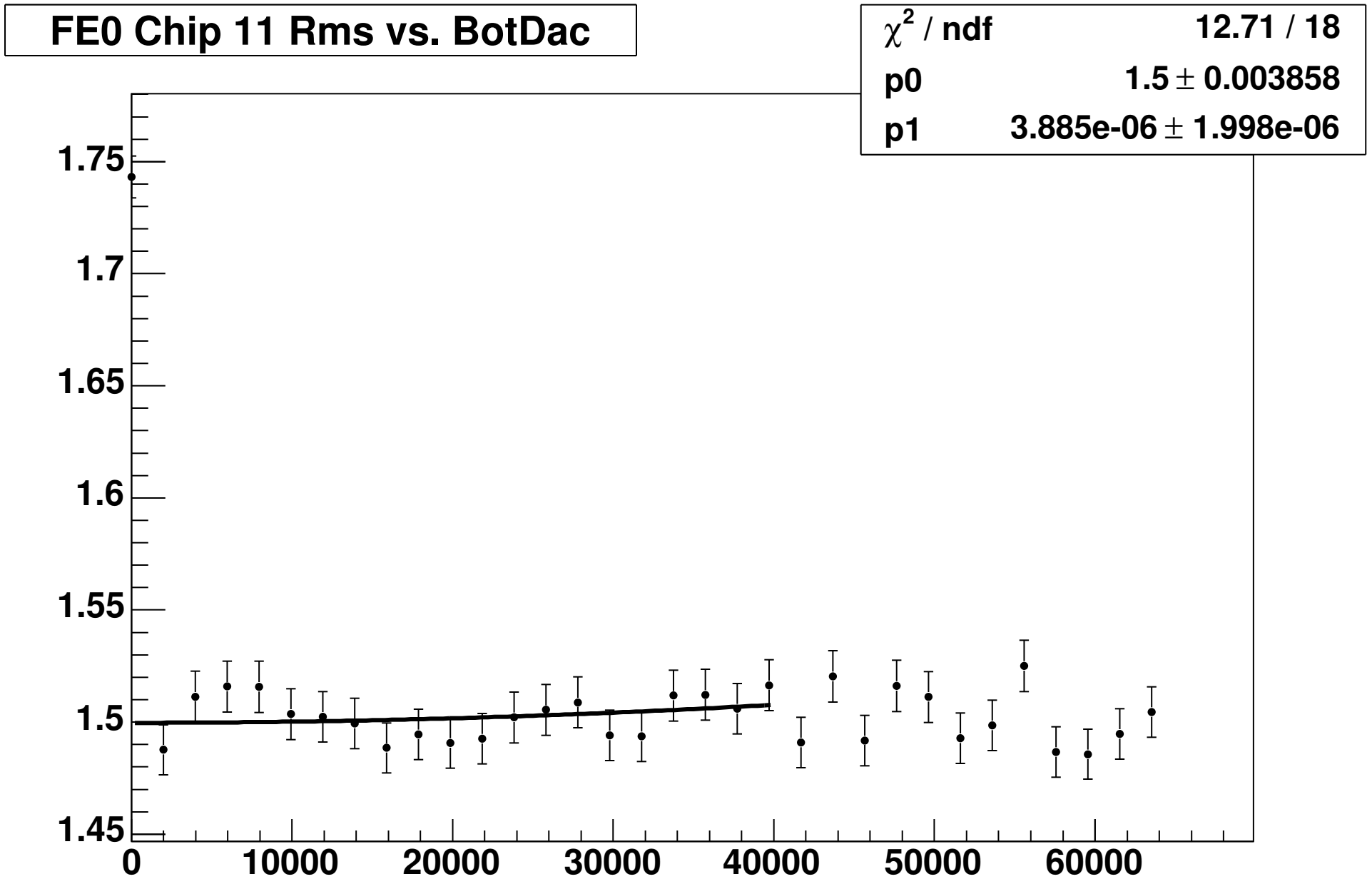
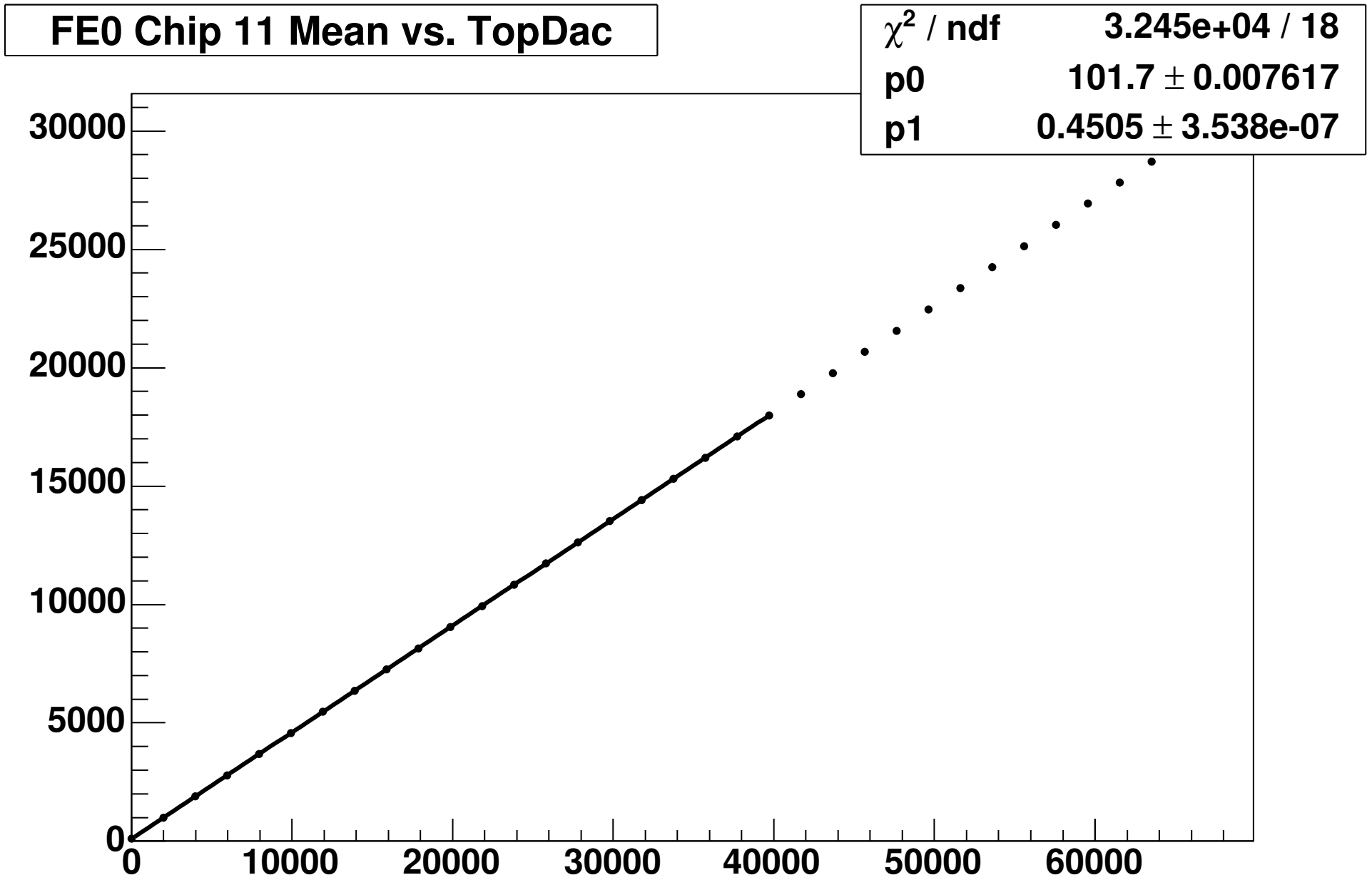
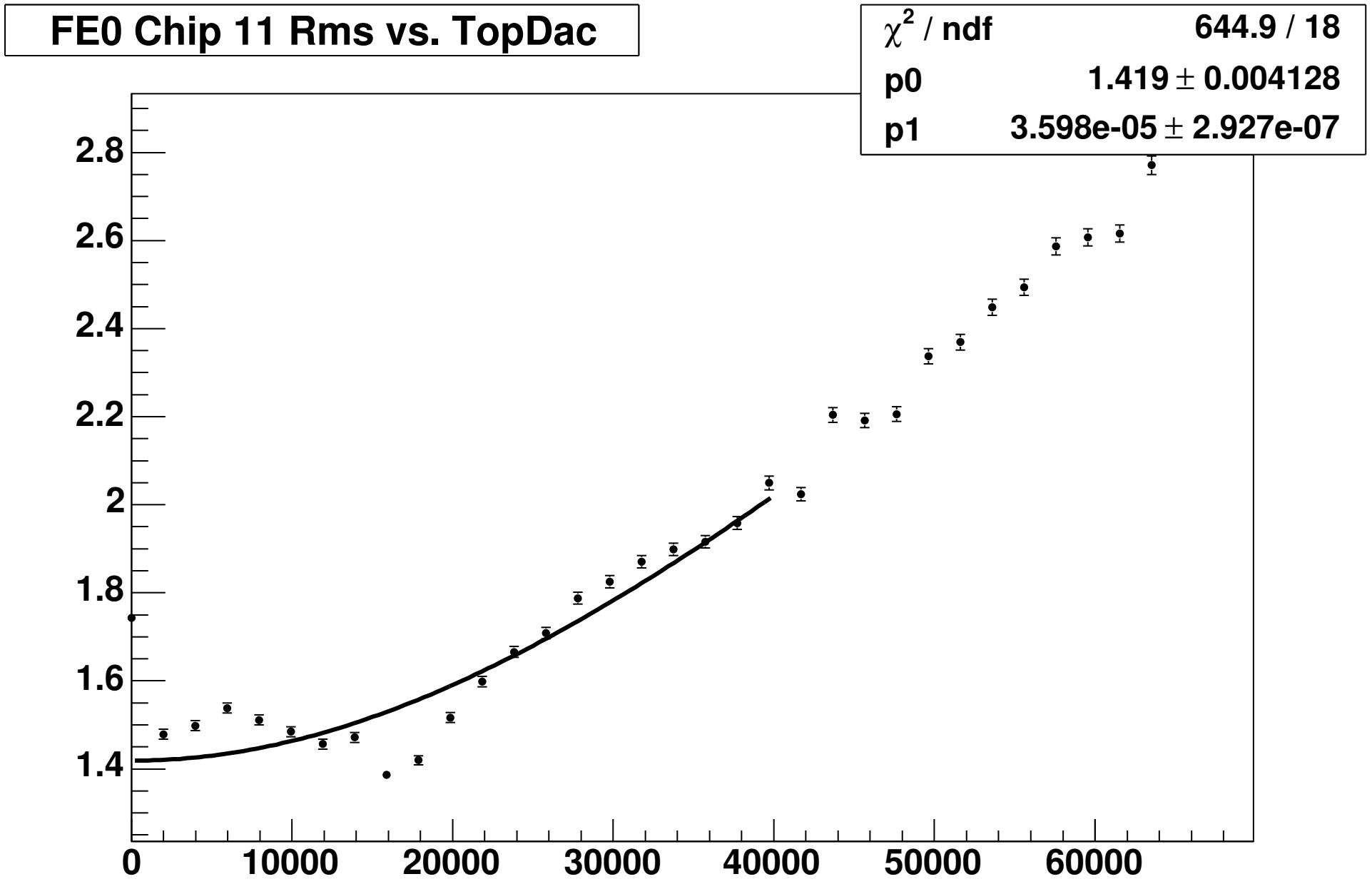
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

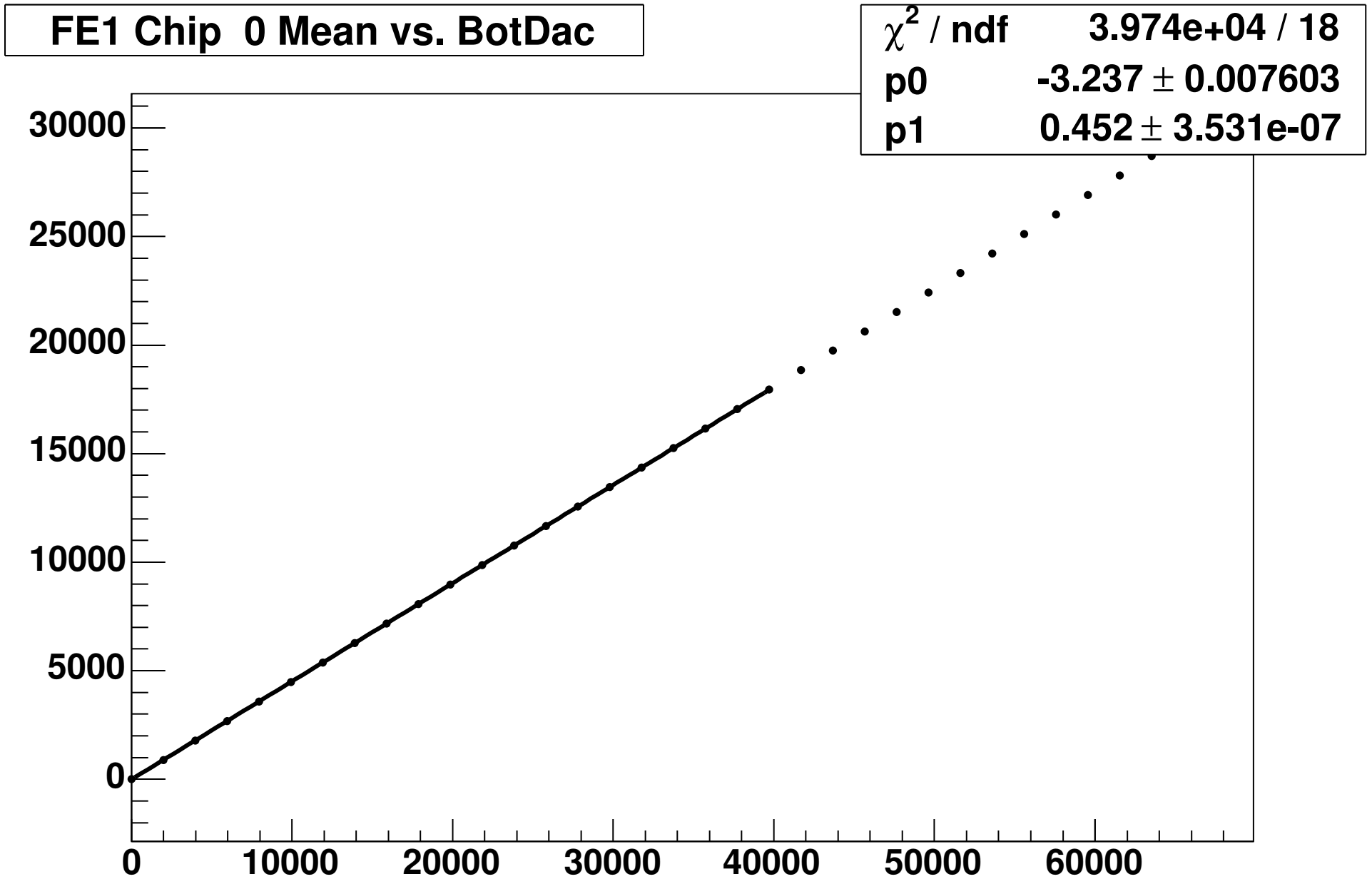

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 772.1 / 18
p0 1.41 ± 0.004114
p1 3.585e-05 ± 2.914e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

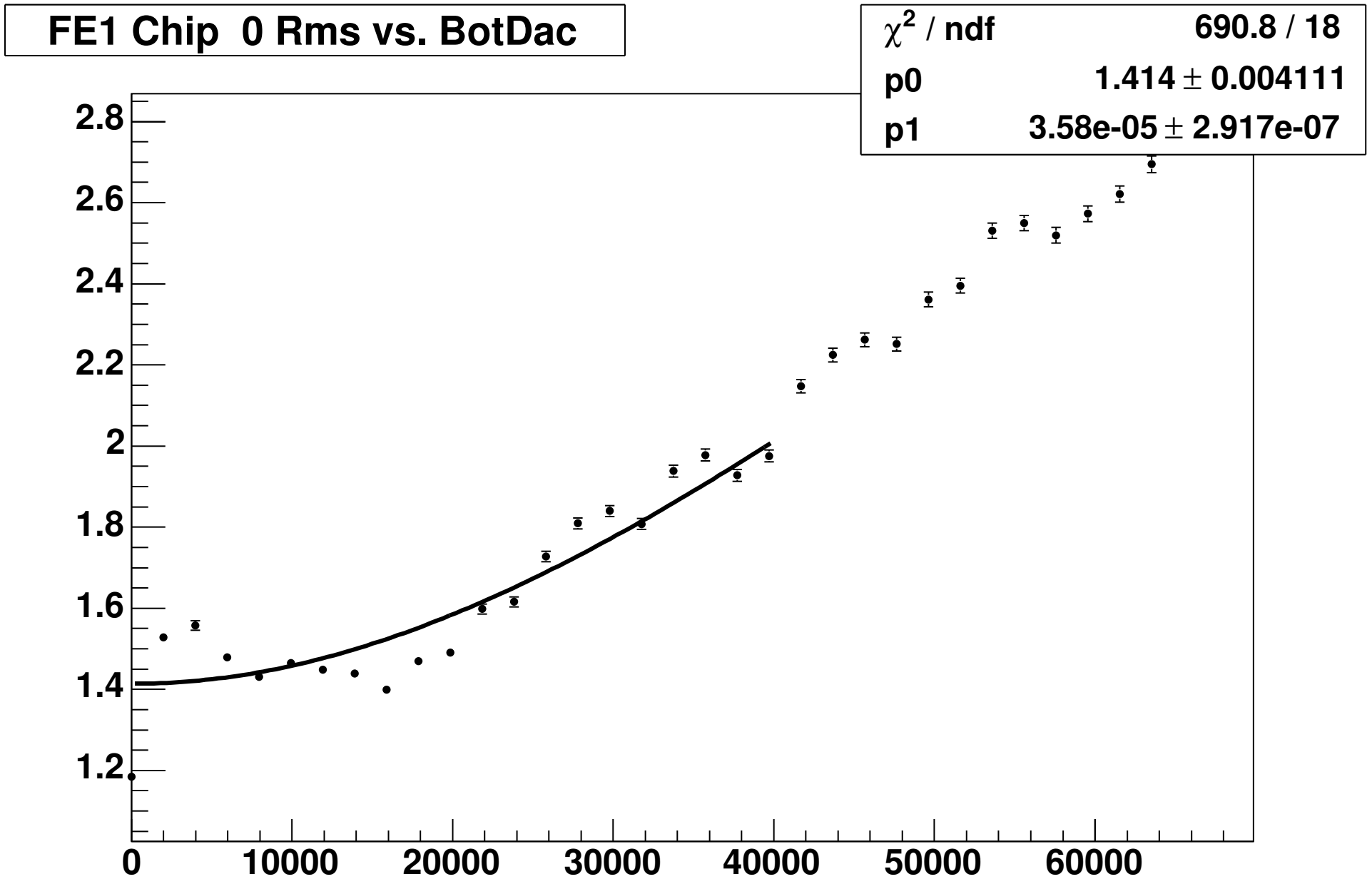

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 61.8 / 18
p0 102.3 ± 0.007419
p1 1.873e-06 ± 3.125e-07
102.42
102.4
102.38
102.36
102.34
102.32
102.3
102.28
102.26
102.24
102.22
0
10000
20000
30000
40000
50000
60000

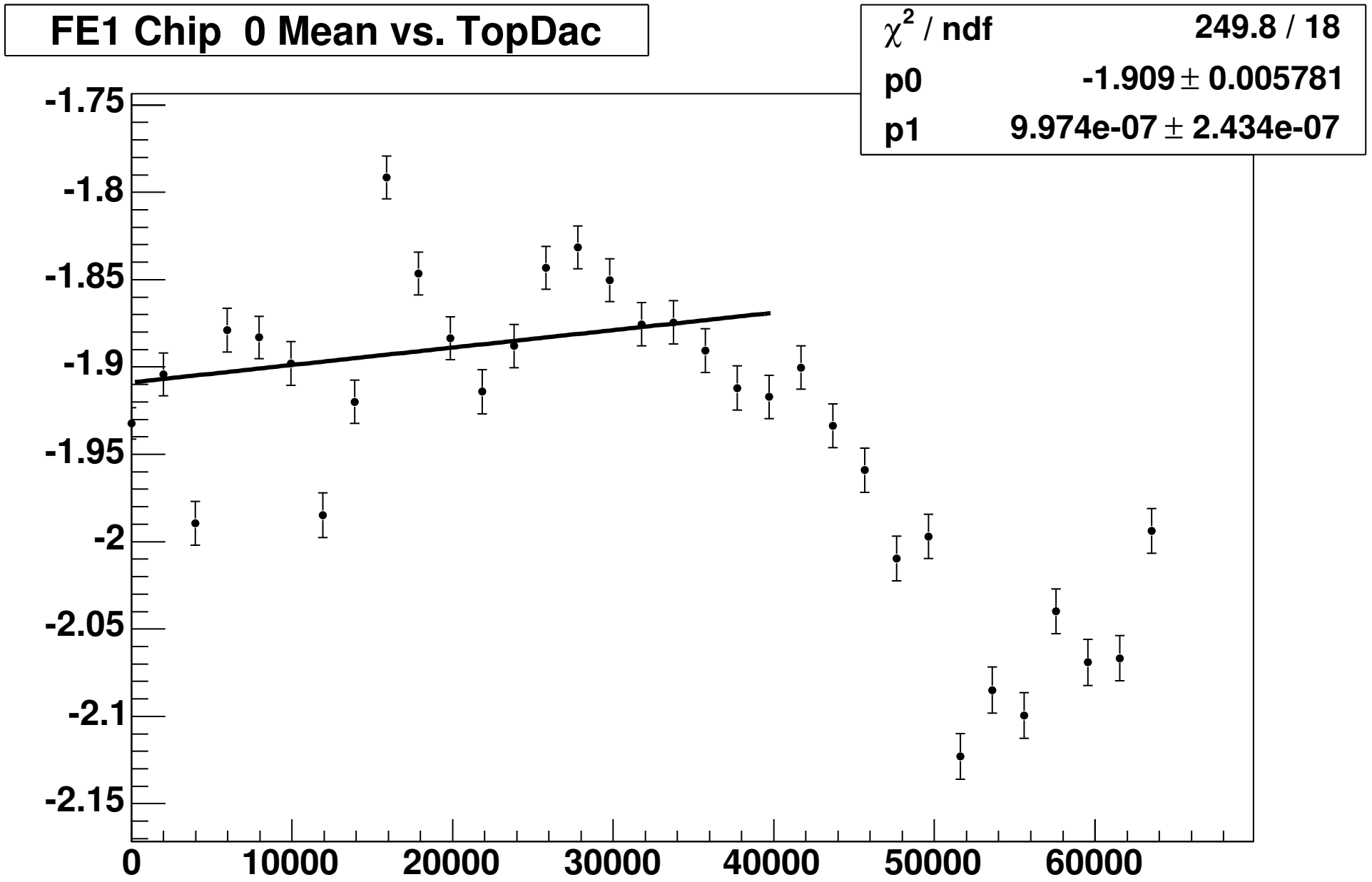

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 12.71 / 18
p0 1.5 ± 0.003858
p1 3.885e-06 ± 1.998e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 3.245e+04 / 18
p0 101.7 ± 0.007617
p1 0.4505 ± 3.538e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 644.9 / 18
p0 1.419 ± 0.004128
p1 3.598e-05 ± 2.927e-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. BotDac
χ² / ndf 3.974e+04 / 18
p0 -3.237 ± 0.007603
p1 0.452 ± 3.531e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 690.8 / 18
p0 1.414 ± 0.004111
p1 3.58e-05 ± 2.917e-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


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 249.8 / 18
p0 -1.909 ± 0.005781
p1 9.974e-07 ± 2.434e-07
-1.75
-1.8
-1.85
-1.9
-1.95
-2
-2.05
-2.1
-2.15
0
10000
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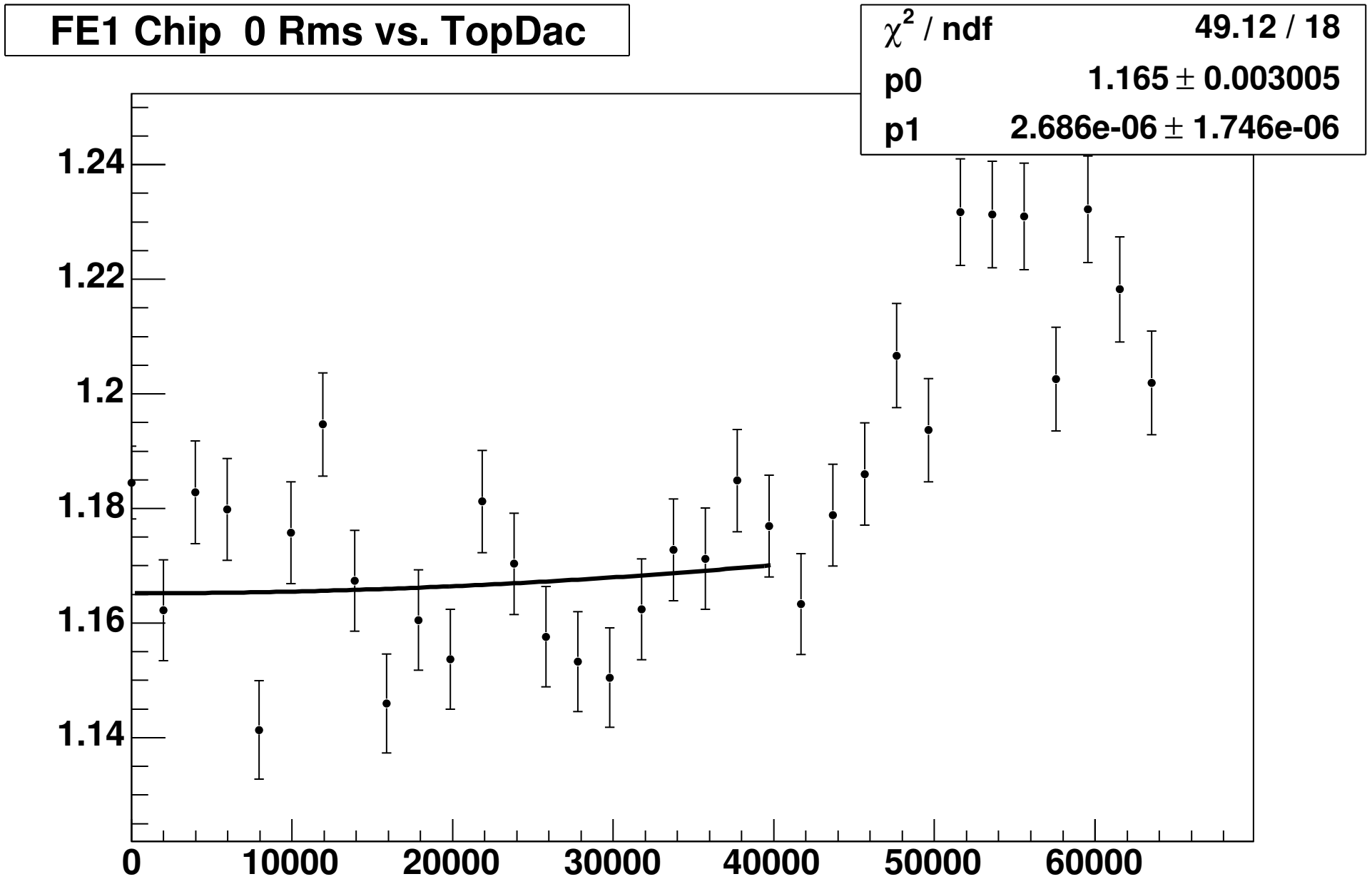
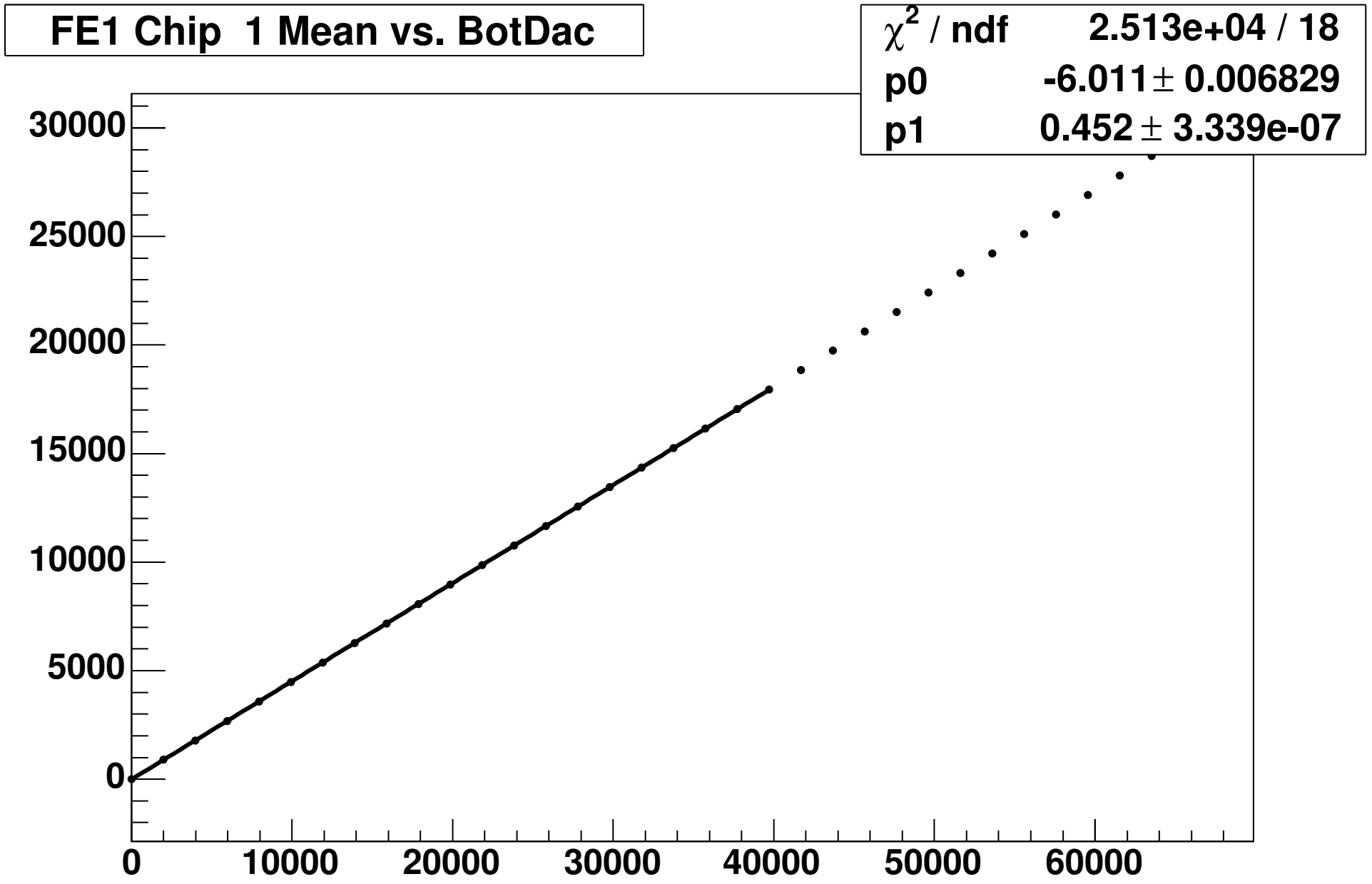
30000
40000
50000
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 49.12 / 18
p0 1.165 ± 0.003005
p1 2.686e-06 ± 1.746e-06
1.24
1.22
1.2
1.18
1.16
1.14
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 2.513e+04 / 18
p0 -6.011 ± 0.006829
p1 0.452 ± 3.339e-07
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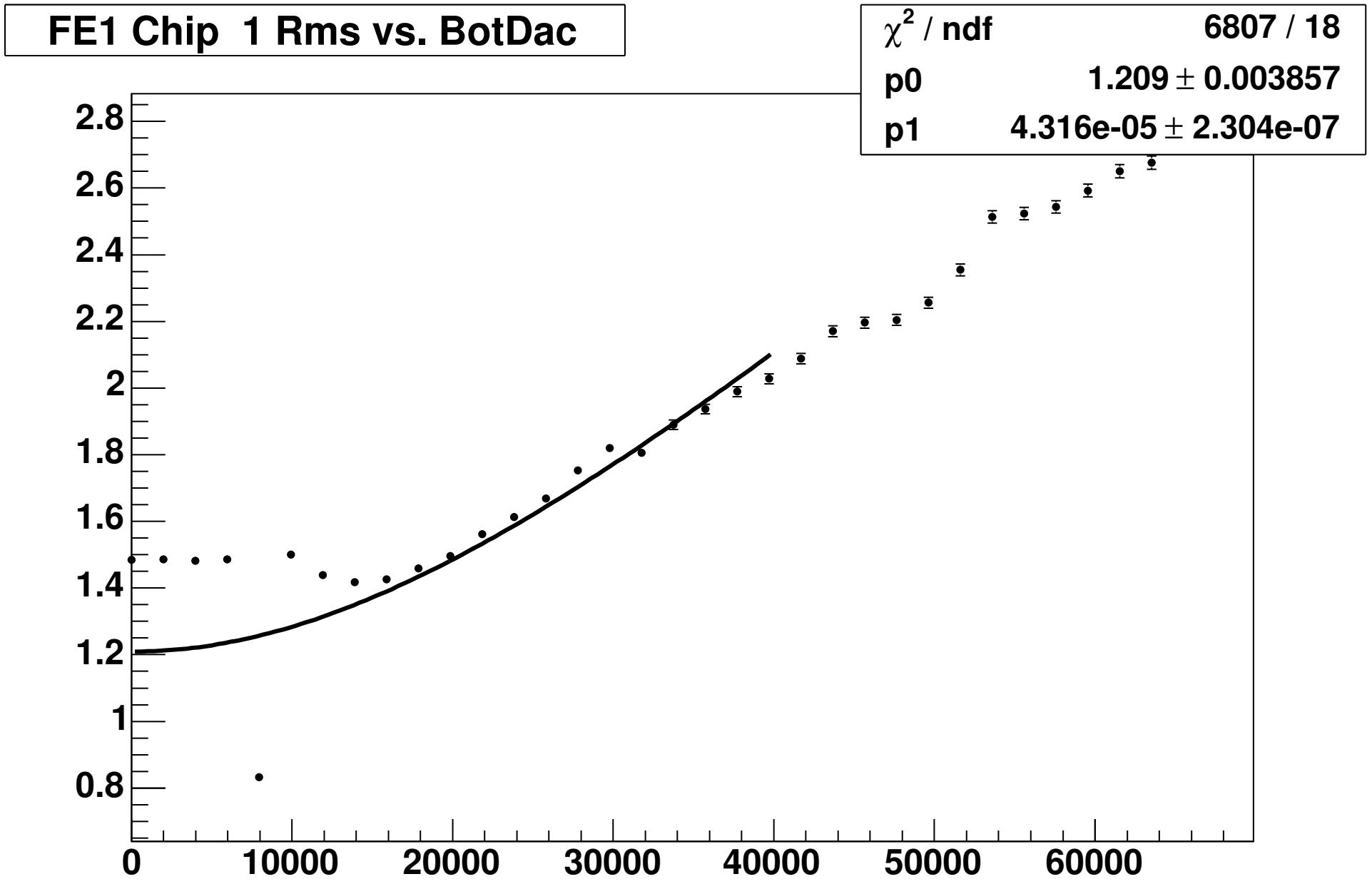
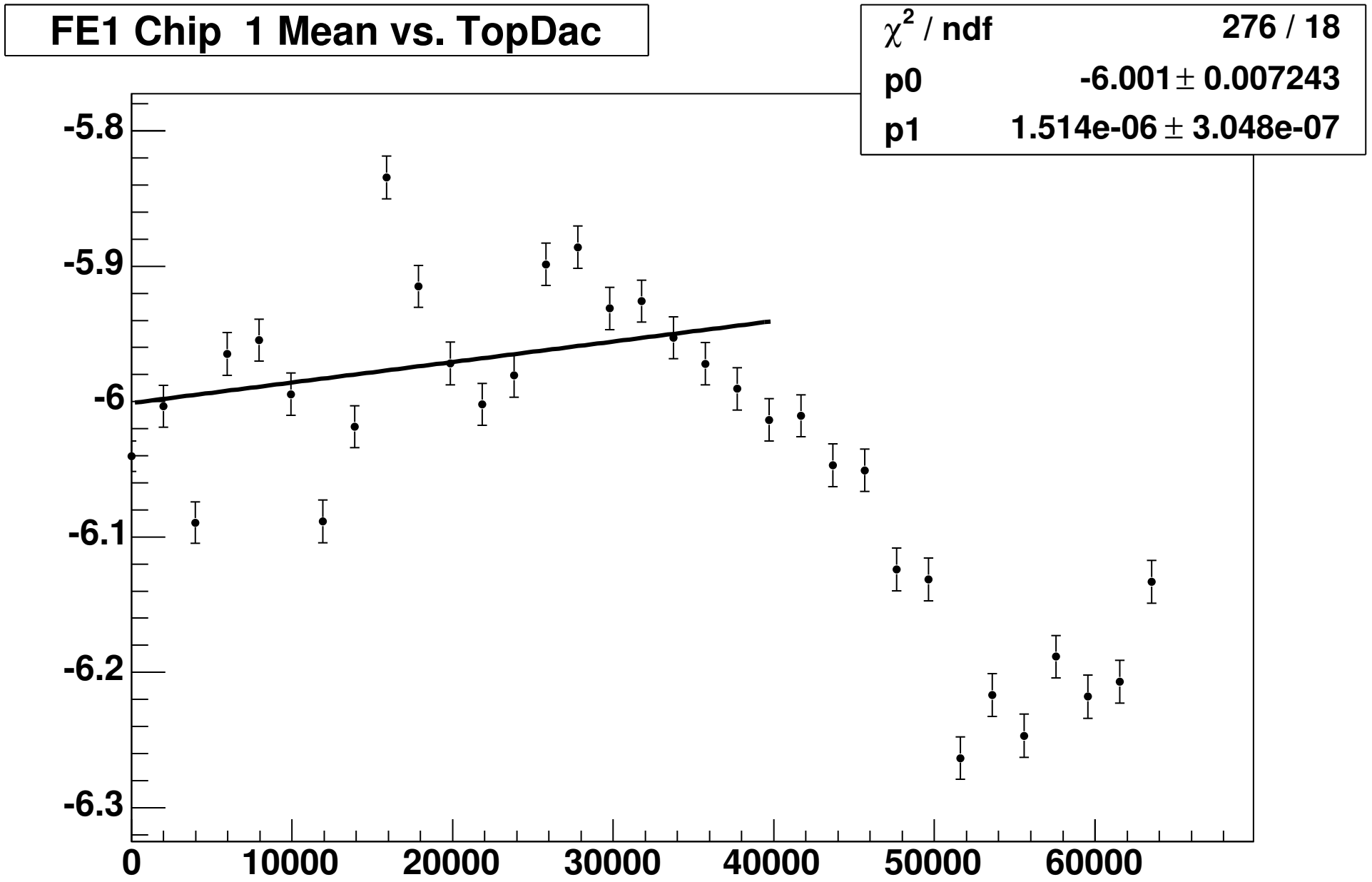
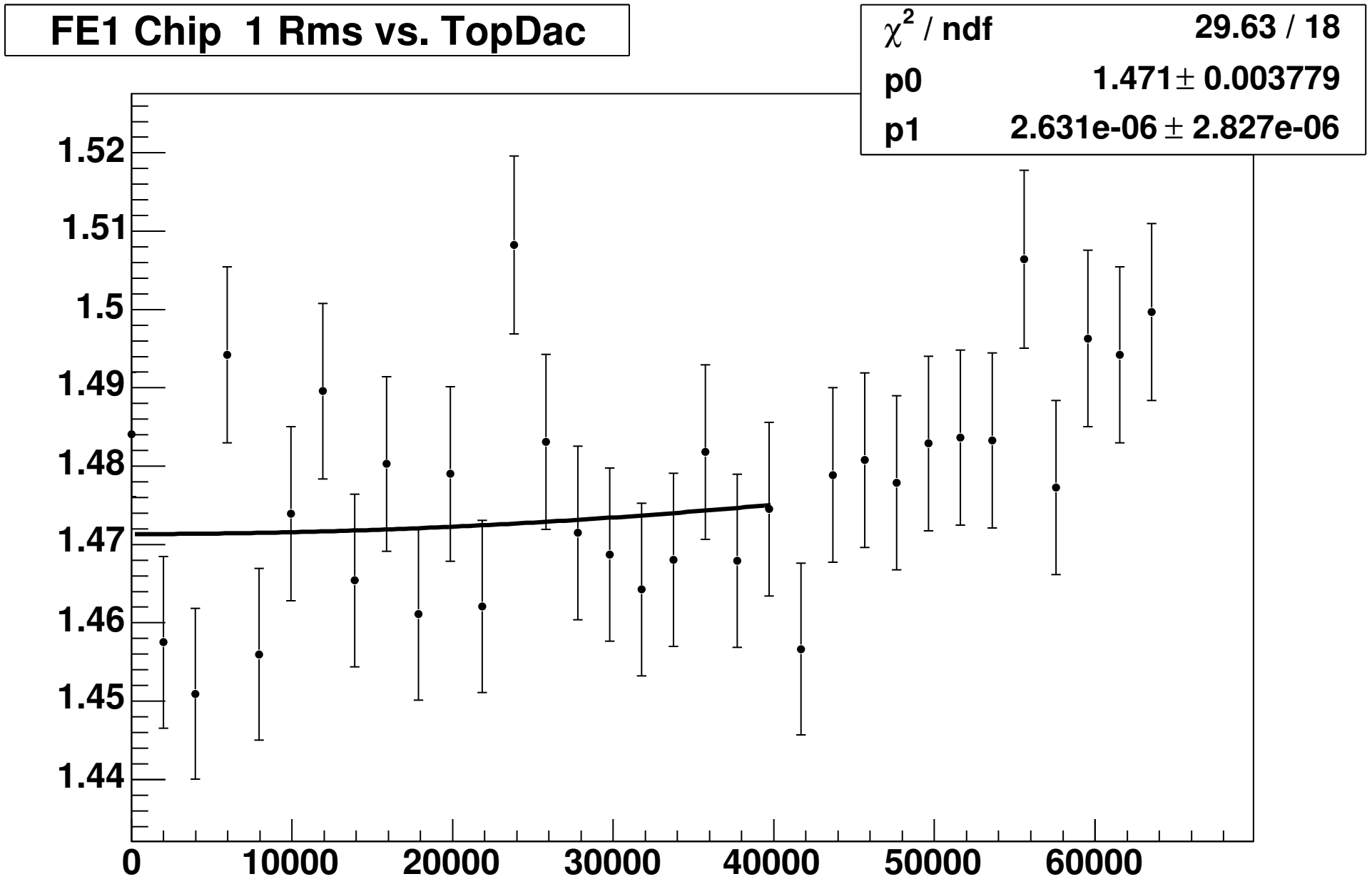
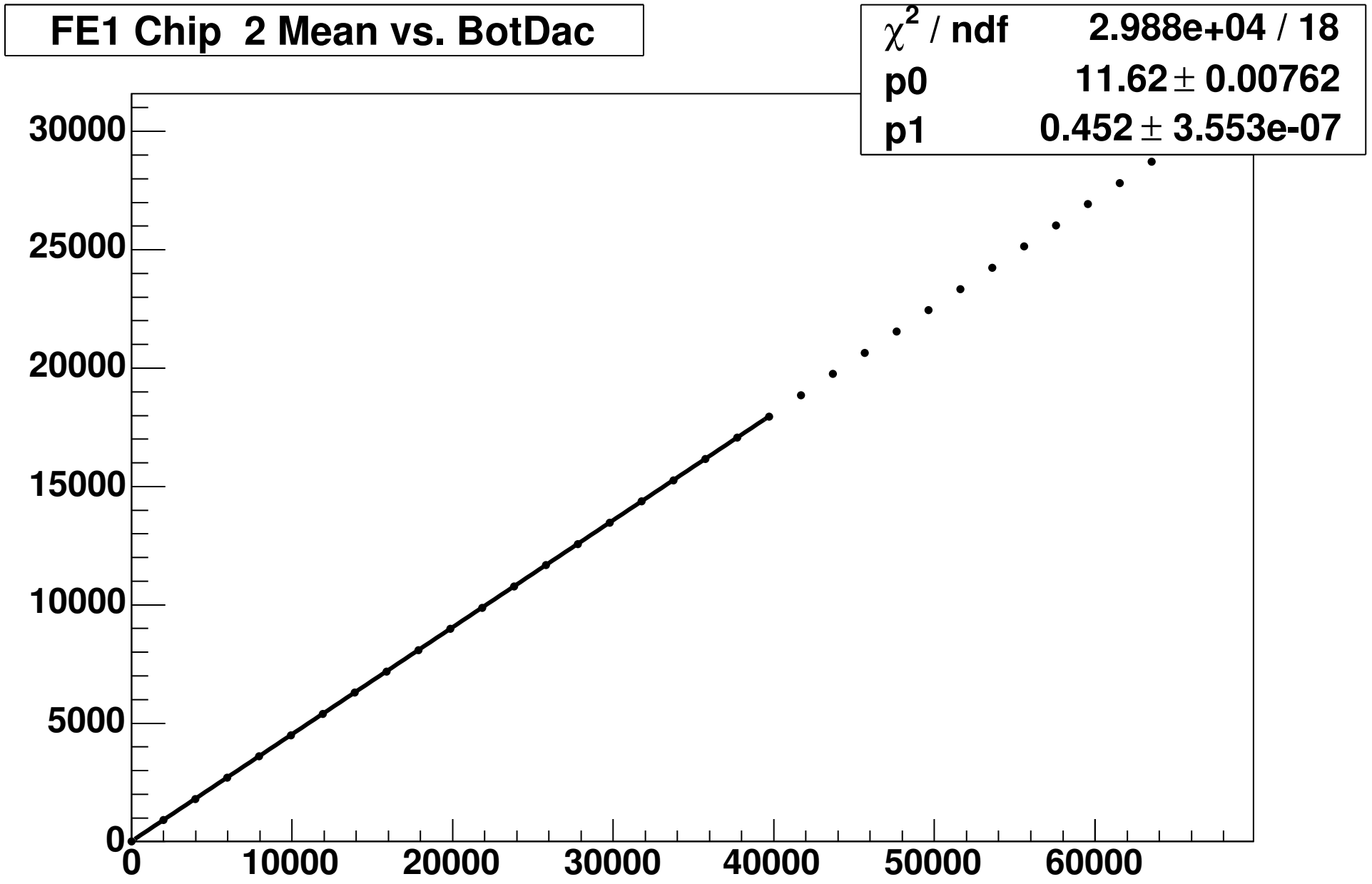
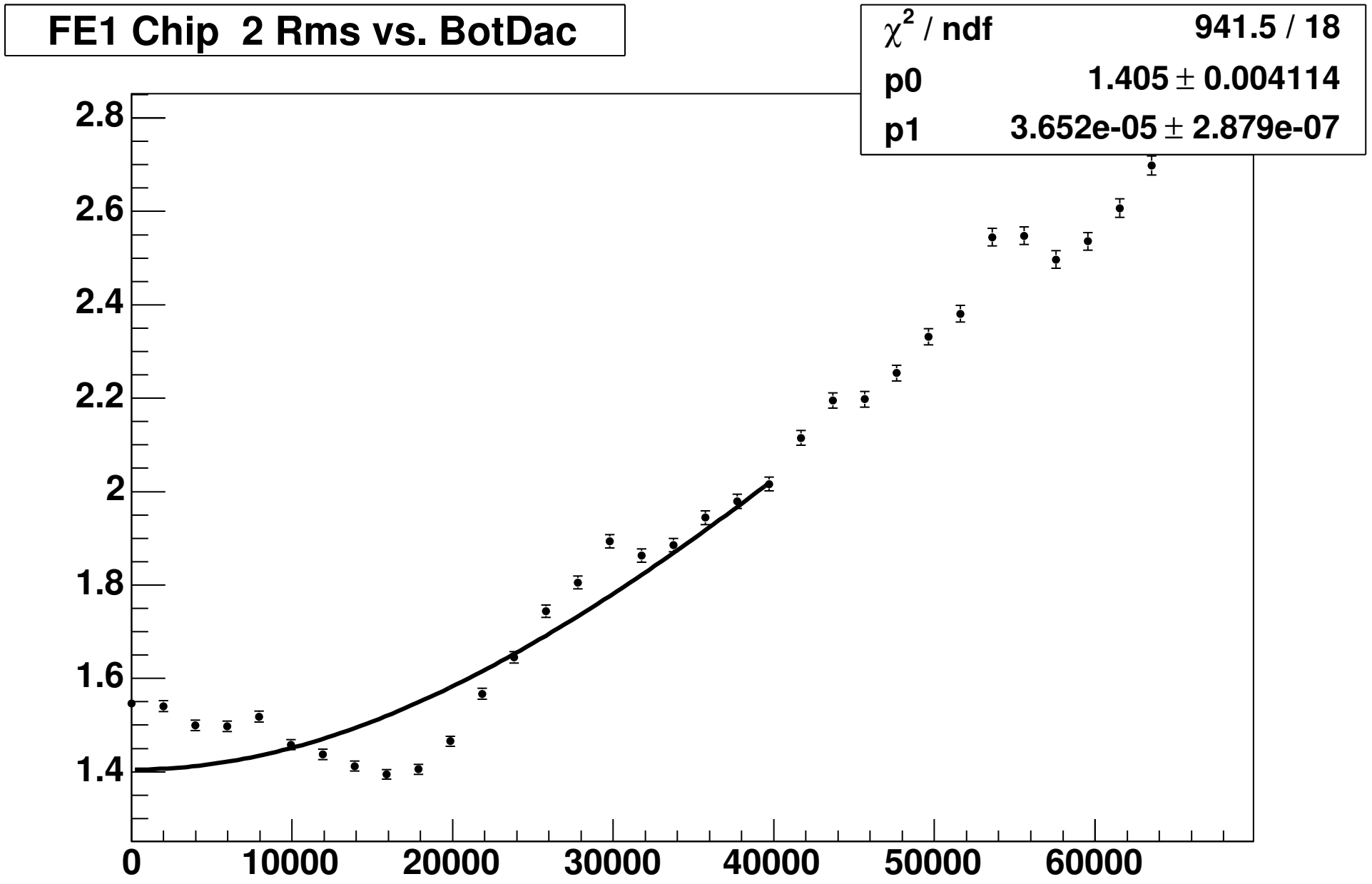
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

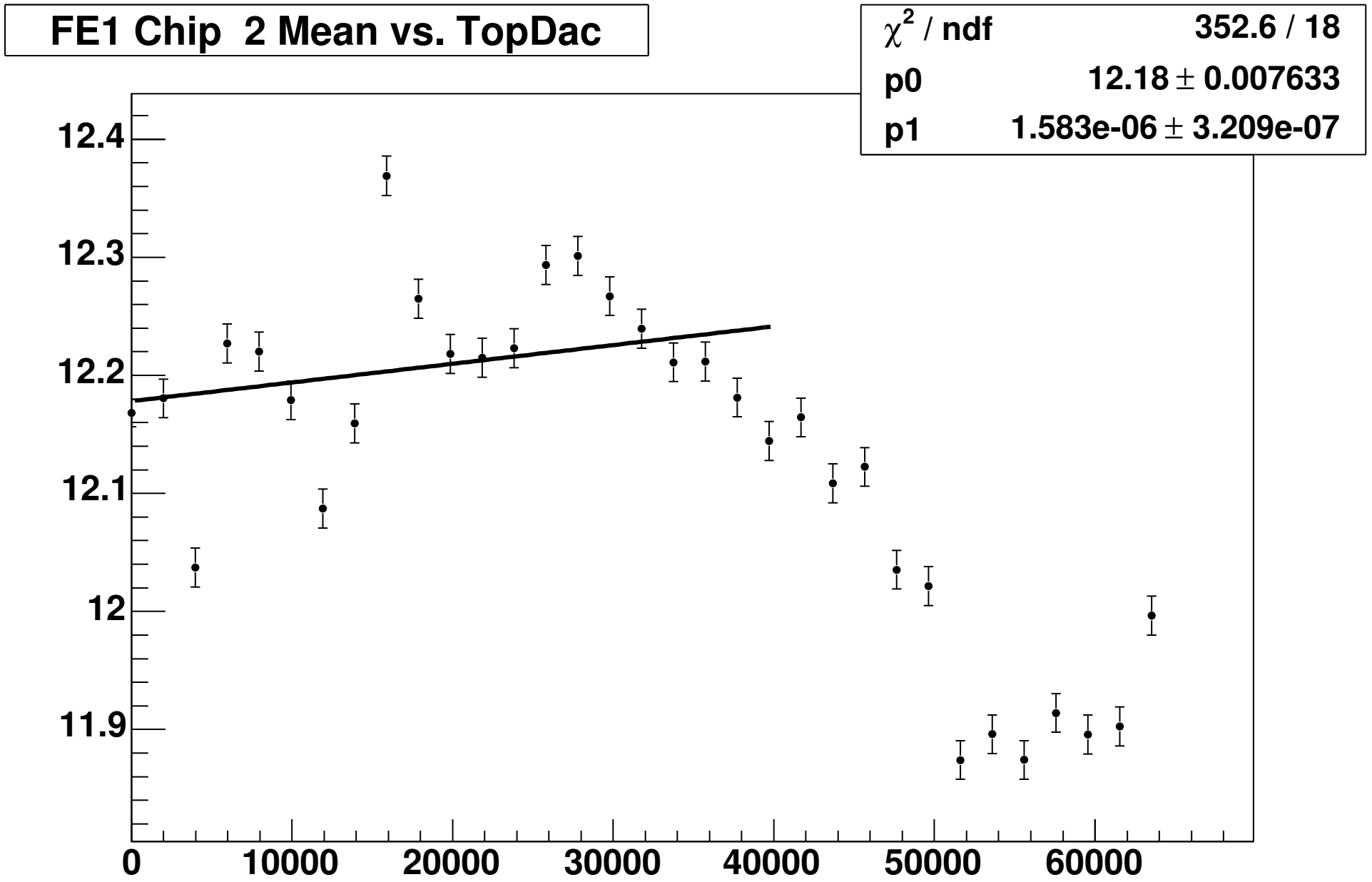

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 6807 / 18
p0 1.209 ± 0.003857
p1 4.316e-05 ± 2.304e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000

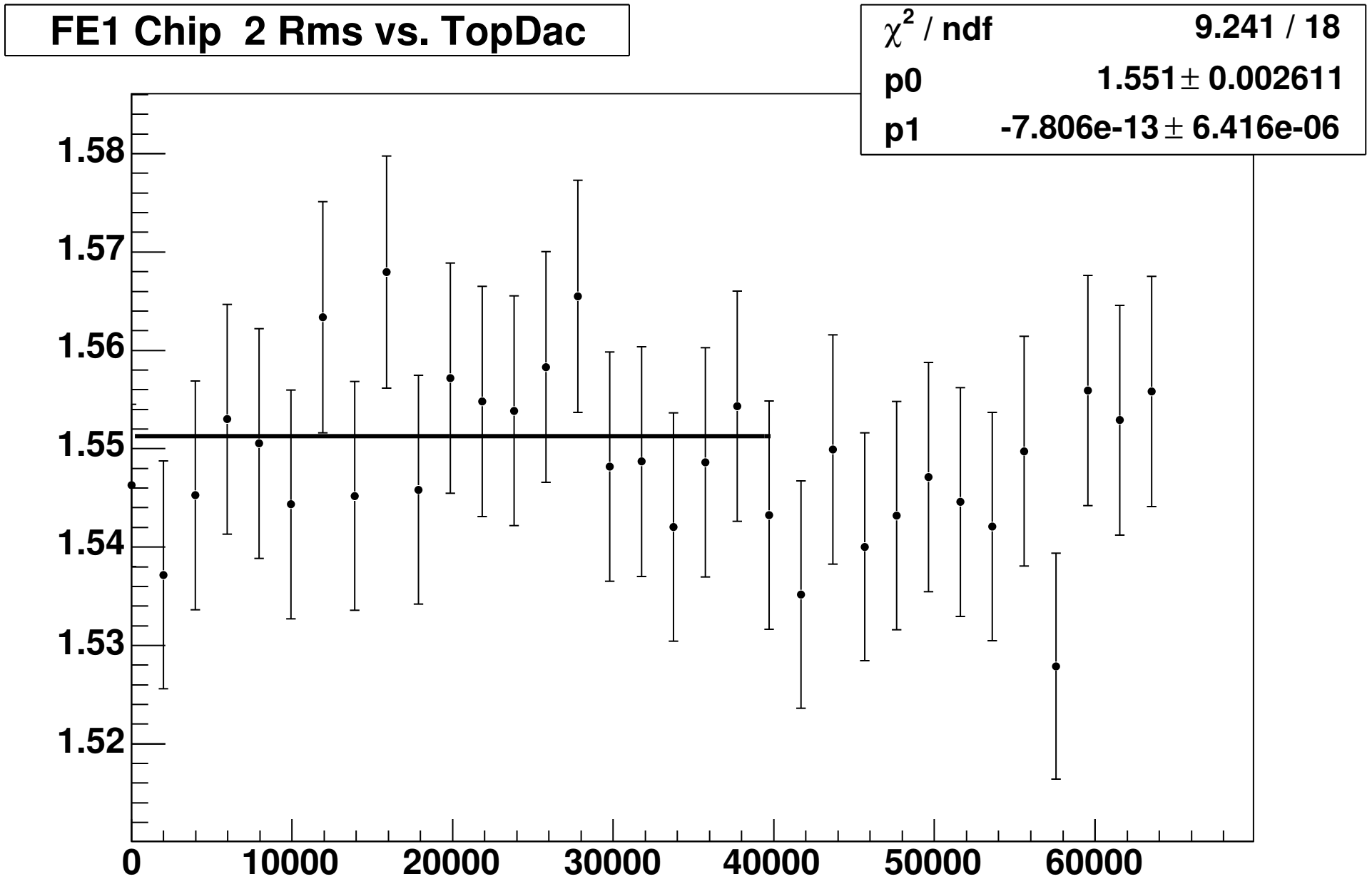

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 276 / 18
p0 -6.001 ± 0.007243
p1 1.514e-06 ± 3.048e-07
-5.8
-5.9
-6
-6.1
-6.2
-6.3
0
10000
20000
30000
40000
50000
60000

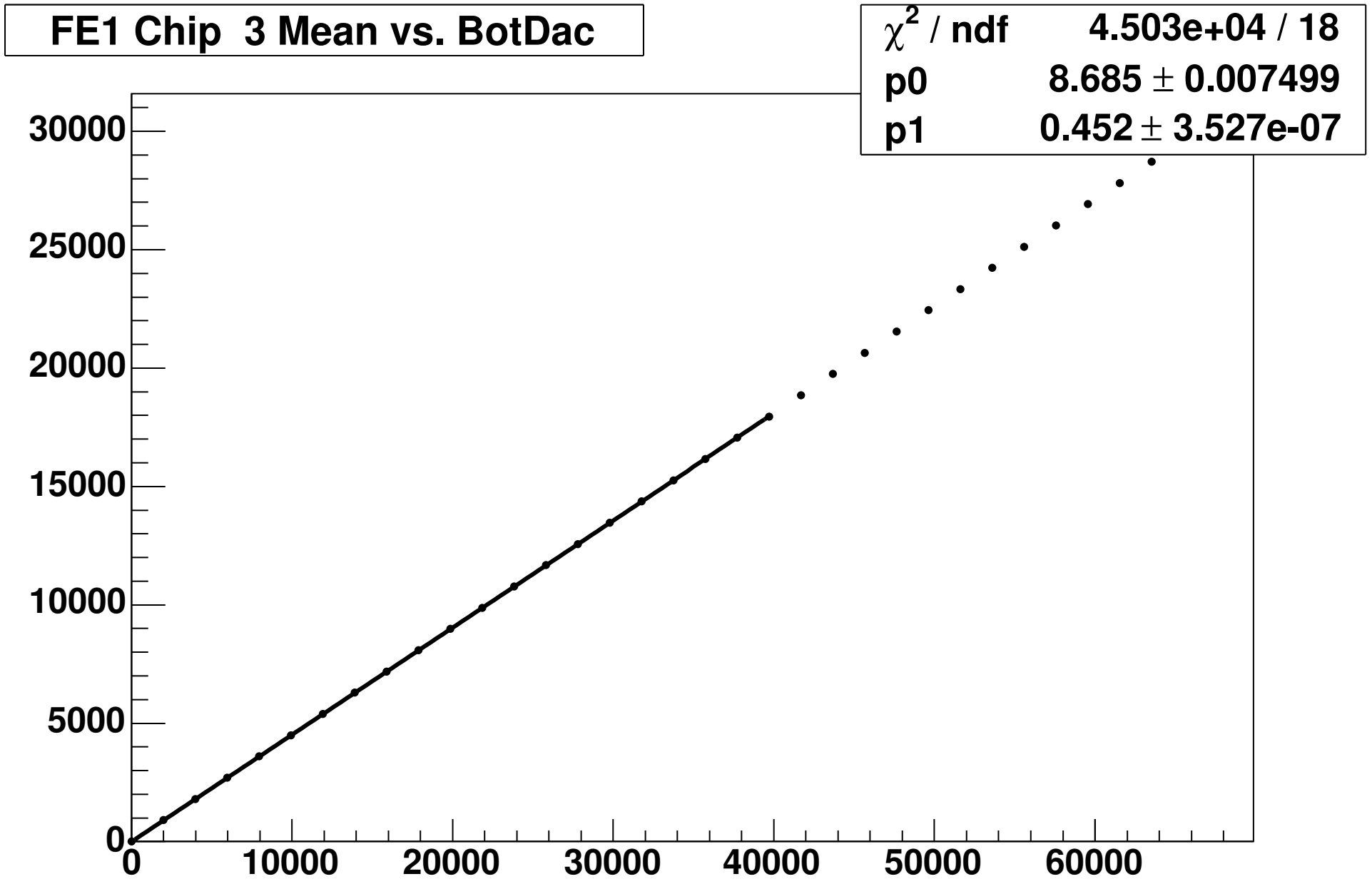

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 29.63 / 18
p0 1.471 ± 0.003779
p1 2.631e-06 ± 2.827e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

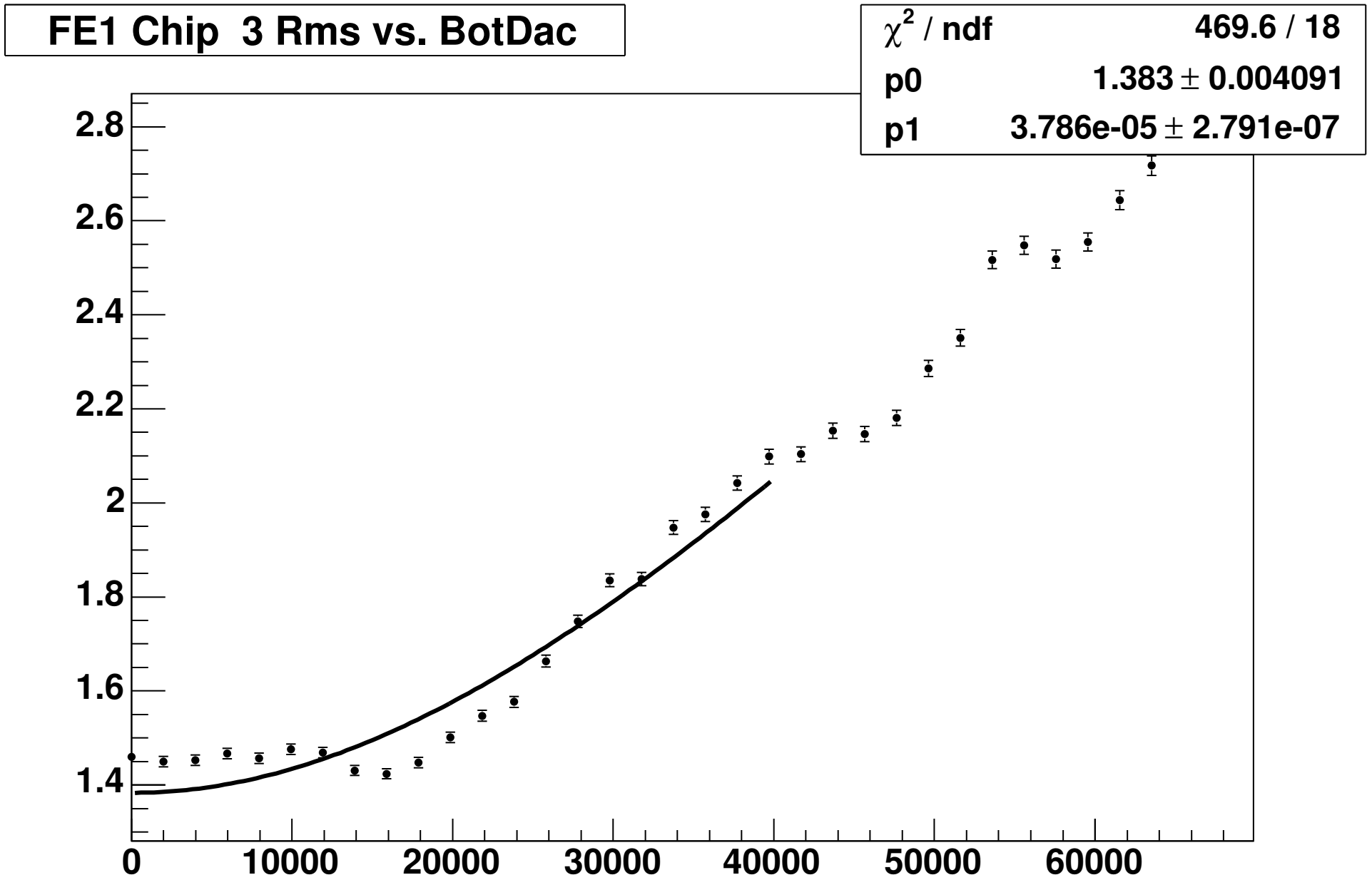

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 2.988e+04 / 18
p0 11.62 ± 0.00762
p1 0.452 ± 3.553e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 941.5 / 18
p0 1.405 ± 0.004114
p1 3.652e-05 ± 2.879e-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 352.6 / 18
p0 12.18 ± 0.007633
p1 1.583e-06 ± 3.209e-07
12.4
12.3
12.2
12.1
12
11.9
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 9.241 / 18
p0 1.551 ± 0.002611
p1 -7.806e-13 ± 6.416e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 4.503e+04 / 18
p0 8.685 ± 0.007499
p1 0.452 ± 3.527e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 469.6 / 18
p0 1.383 ± 0.004091
p1 3.786e-05 ± 2.791e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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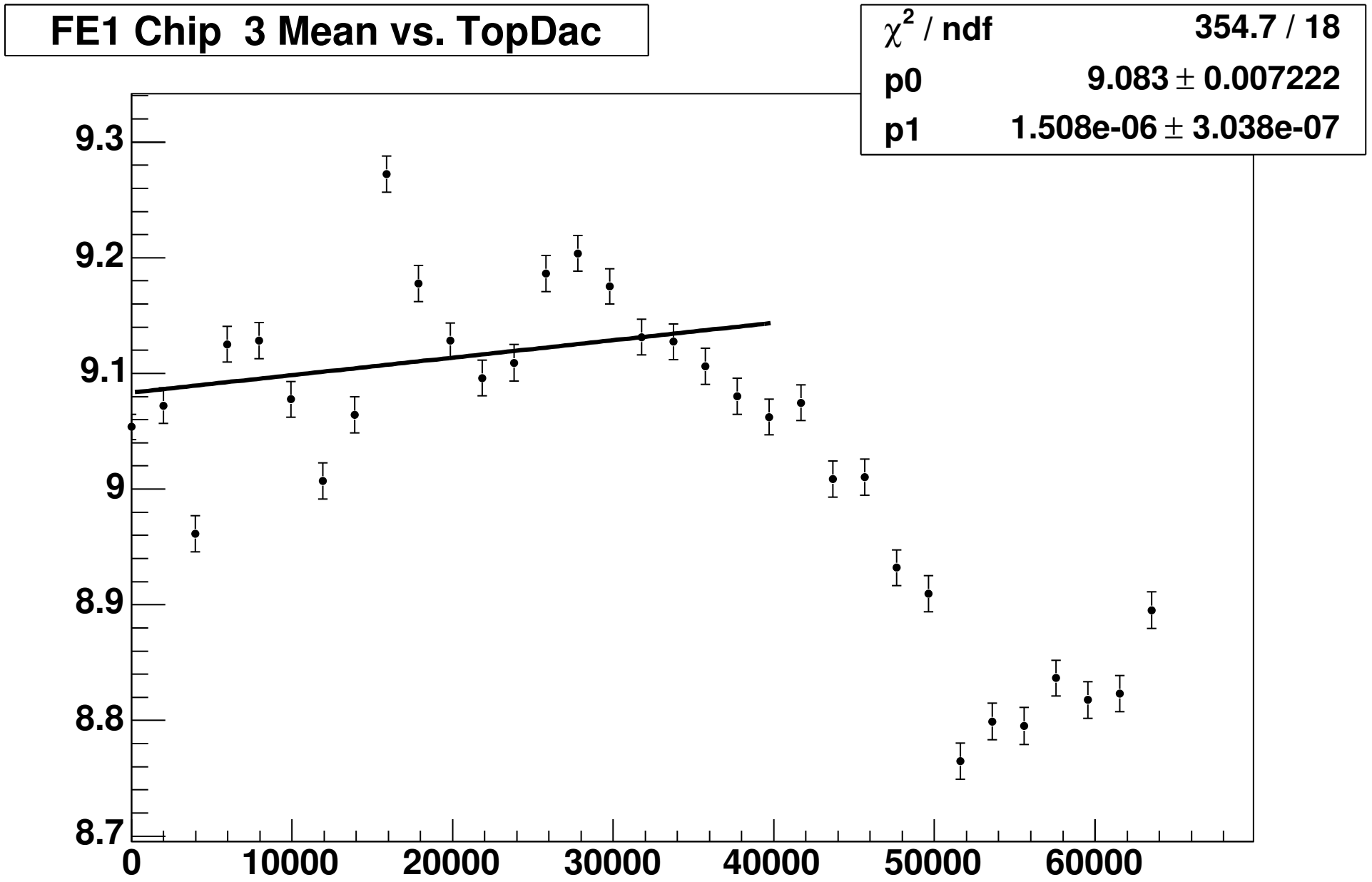
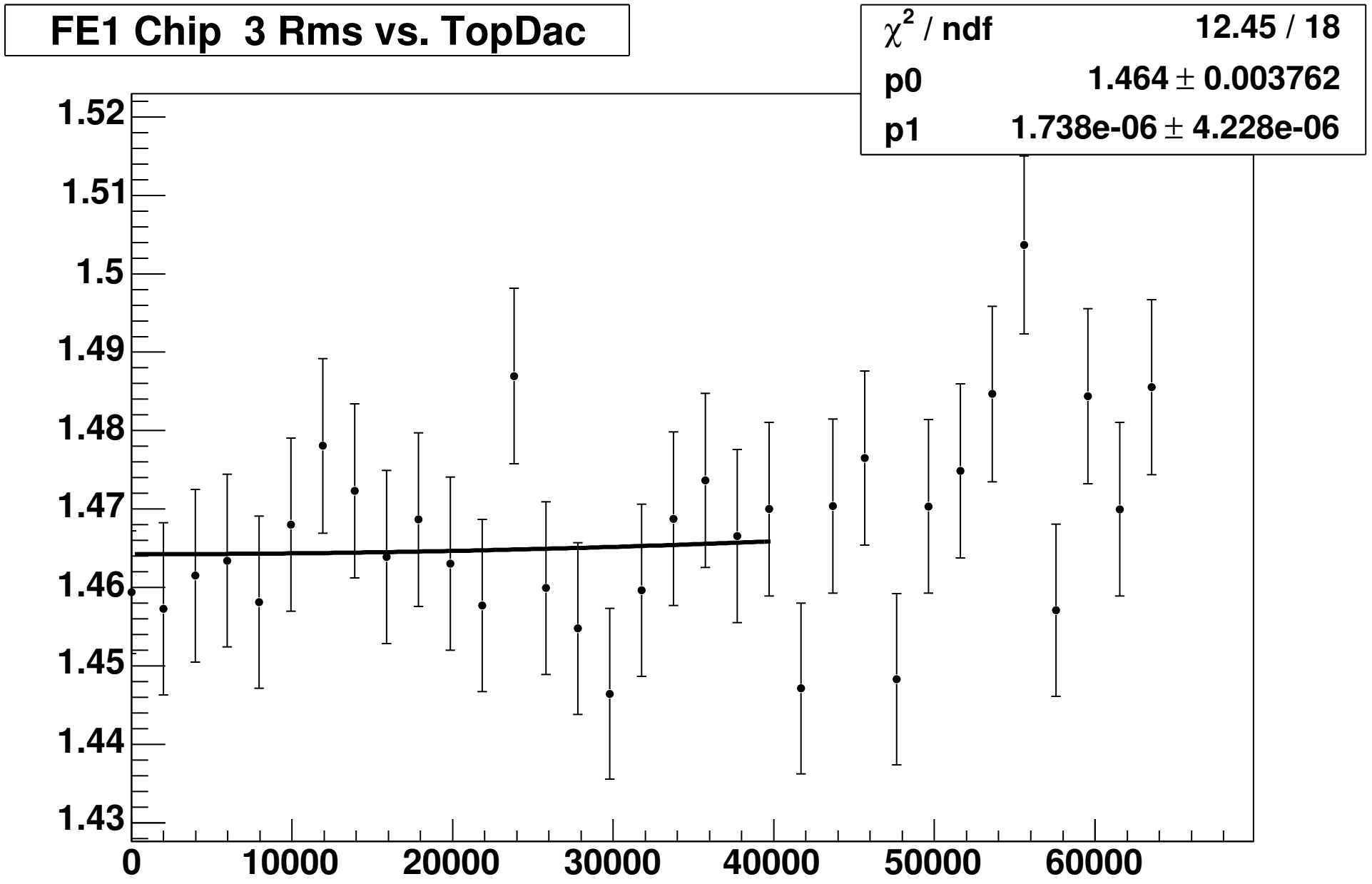
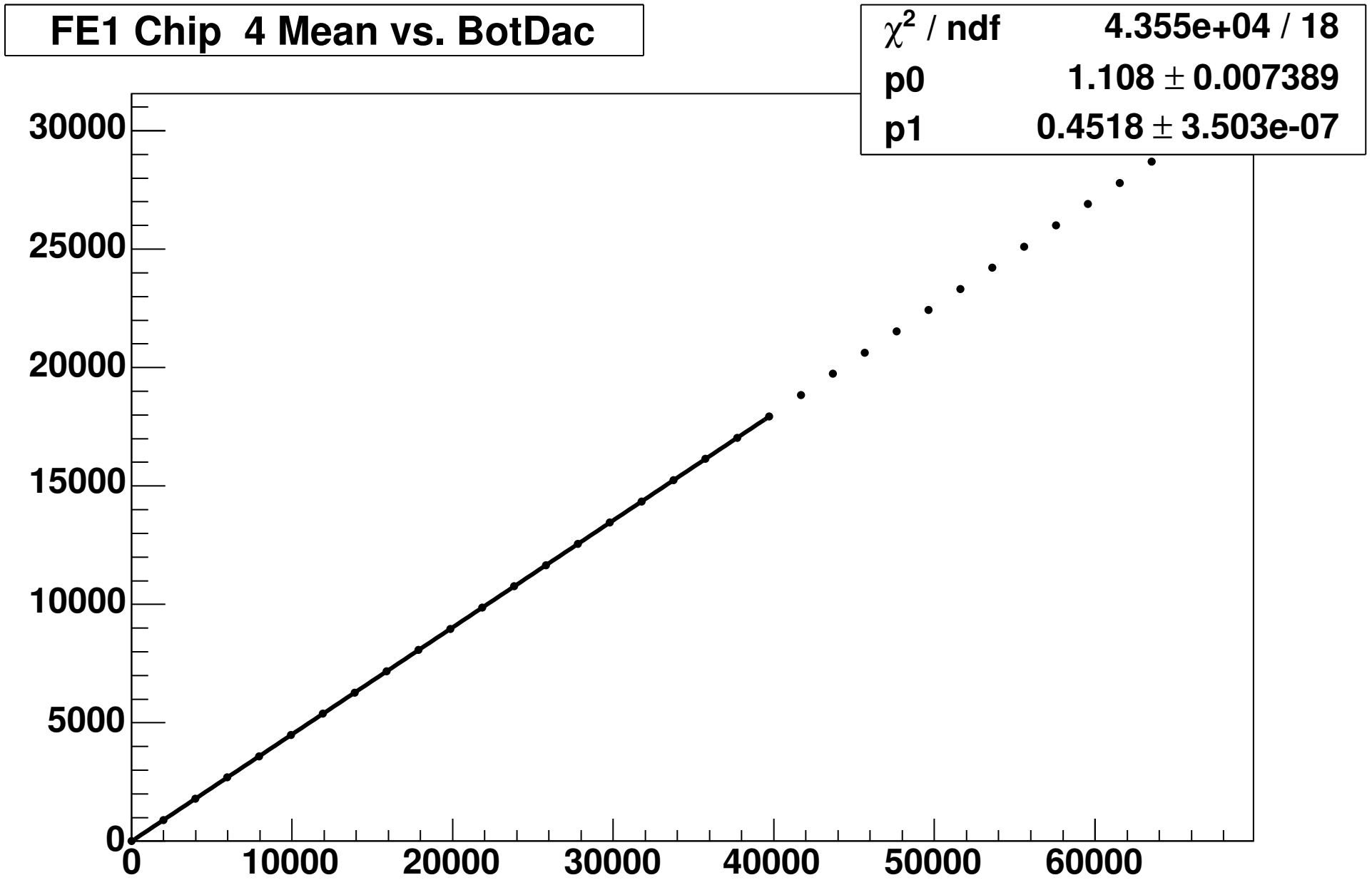
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 354.7 / 18
p0 9.083 ± 0.007222
p1 1.508e-06 ± 3.038e-07
9.3
9.2
9.1
9
8.9
8.8
8.7
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 12.45 / 18
p0 1.464 ± 0.003762
p1 1.738e-06 ± 4.228e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 4.355e+04 / 18
p0 1.108 ± 0.007389
p1 0.4518 ± 3.503e-07
30000
25000
20000
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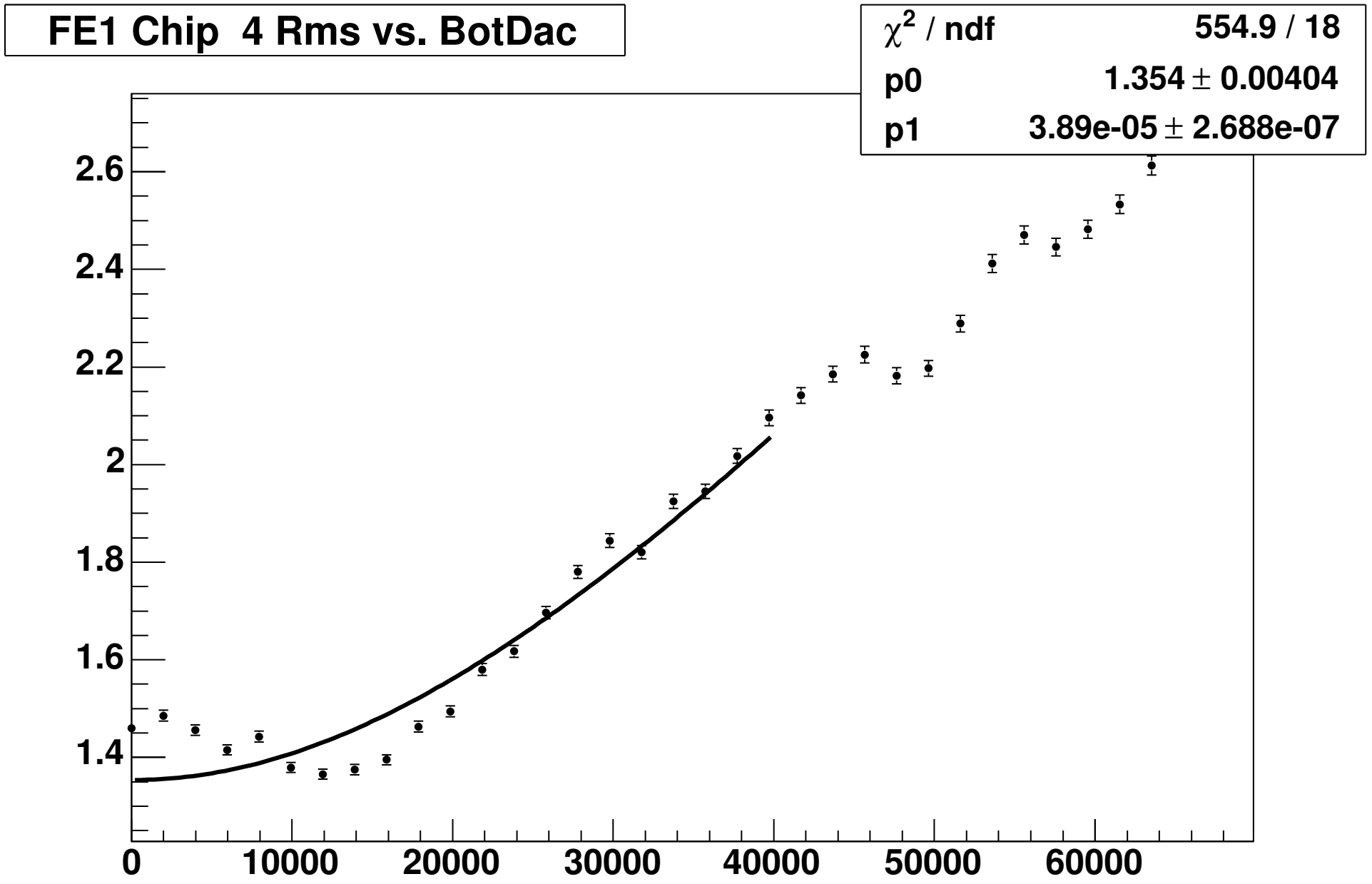
FE1 Chip 4 Rms vs. BotDac
χ² / ndf 554.9 / 18
p0 1.354 ± 0.00404
p1 3.89e-05 ± 2.688e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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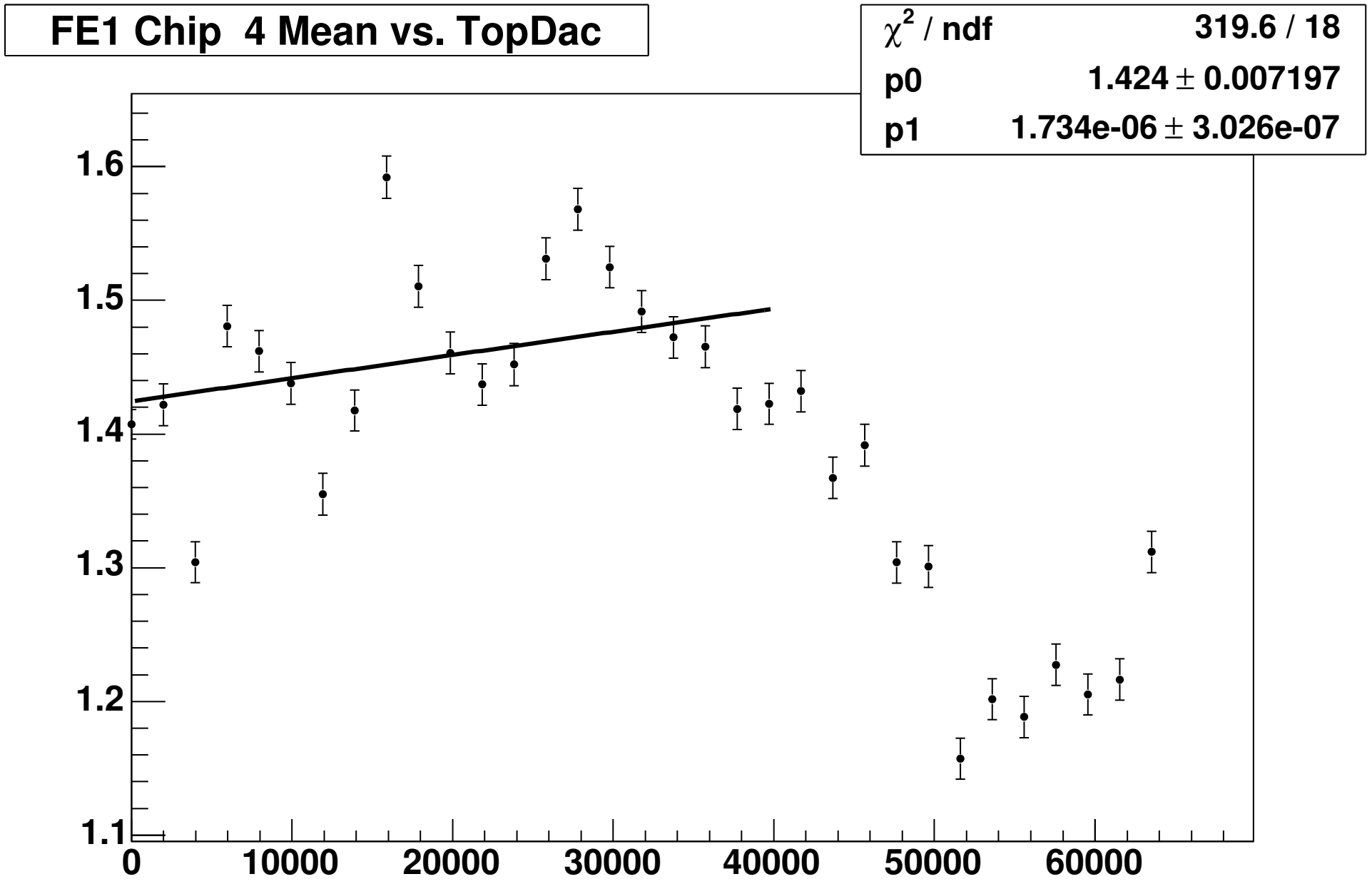
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 319.6 / 18
p0 1.424 ± 0.007197
p1 1.734e-06 ± 3.026e-07
1.6
1.5
1.4
1.3
1.2
1.1
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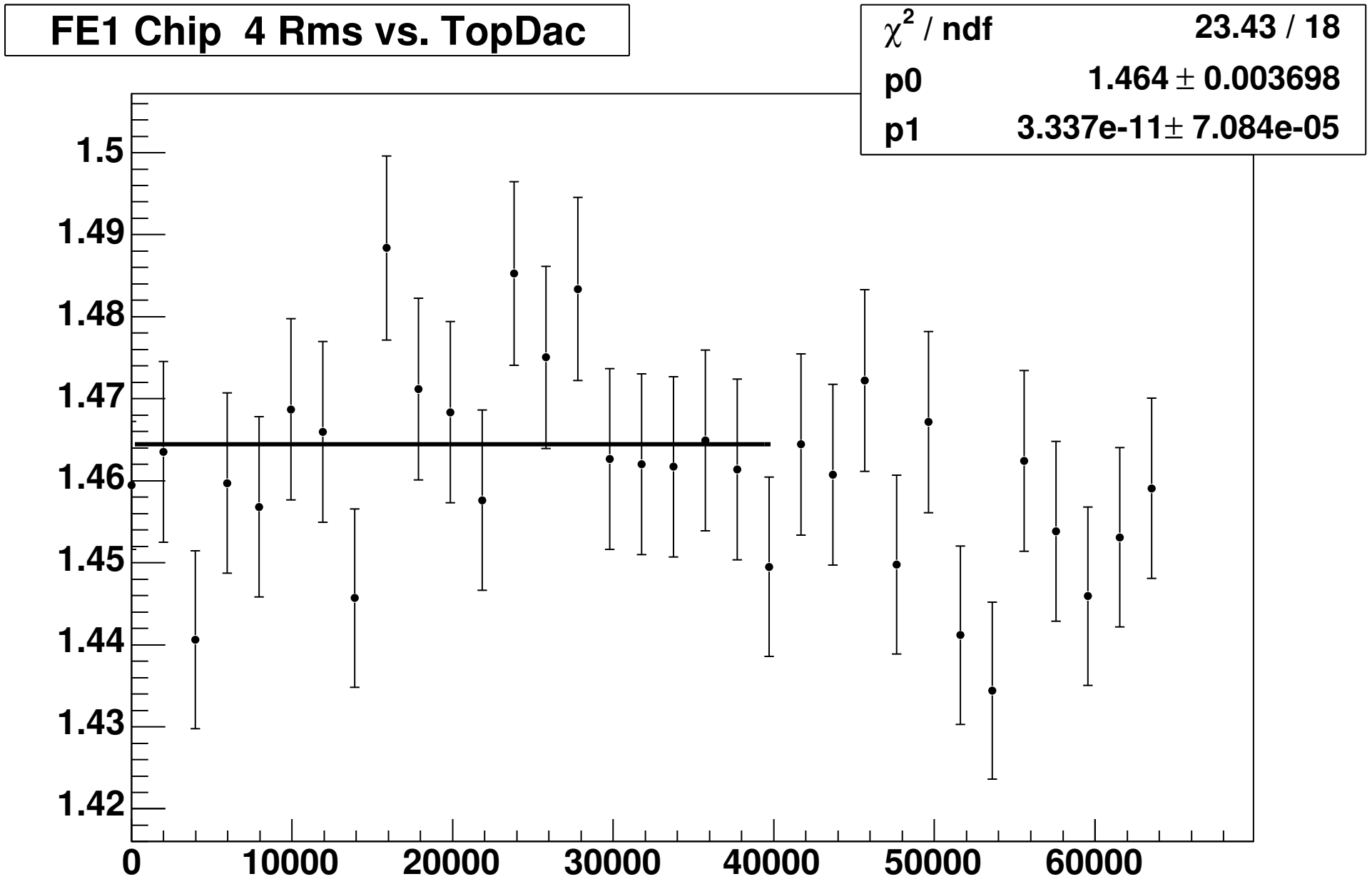
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 23.43 / 18
p0 1.464 ± 0.003698
p1 3.337e-11 ± 7.084e-05
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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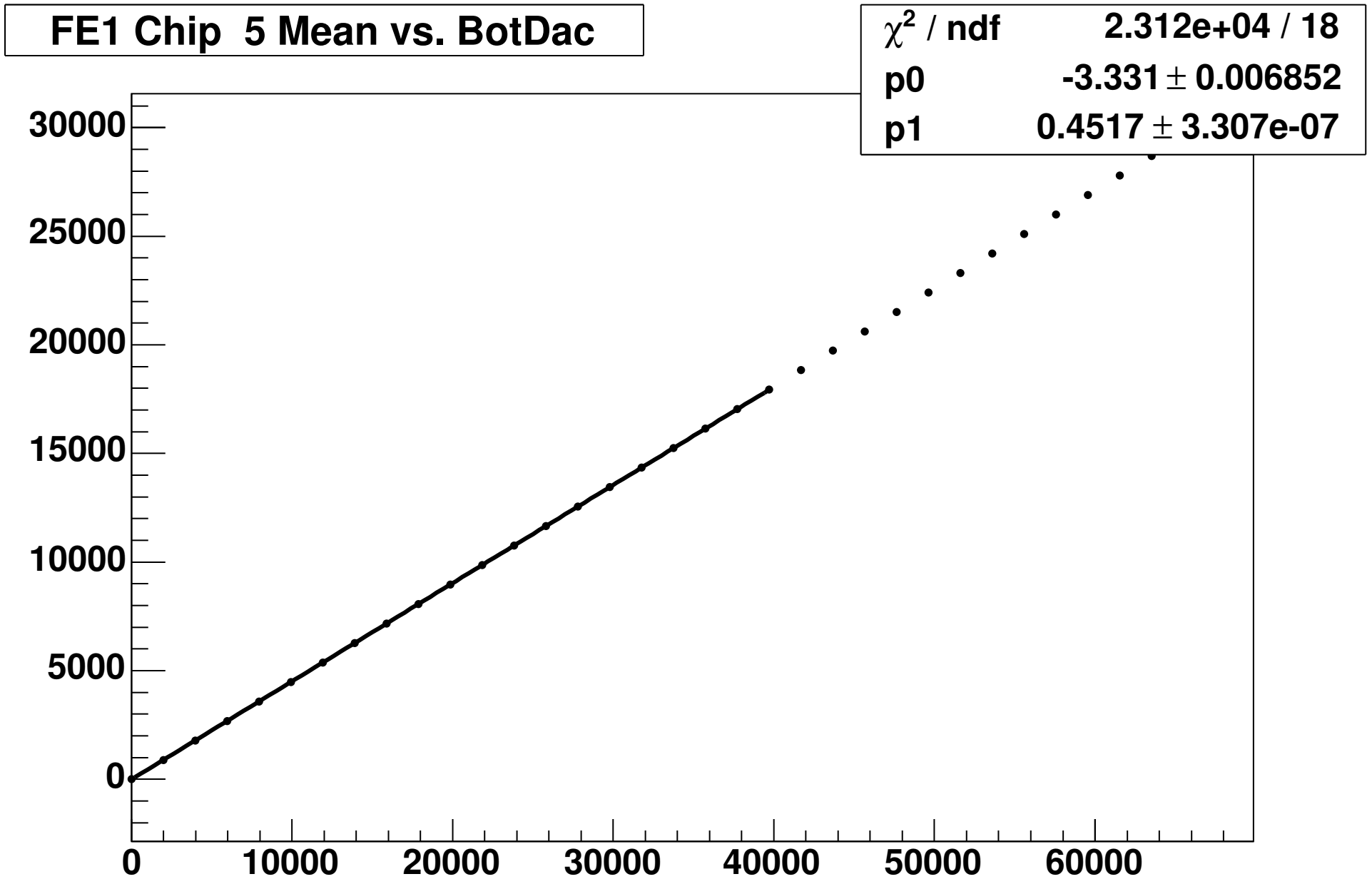
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 2.312e+04 / 18
p0 -3.331 ± 0.006852
p1 0.4517 ± 3.307e-07
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25000
20000
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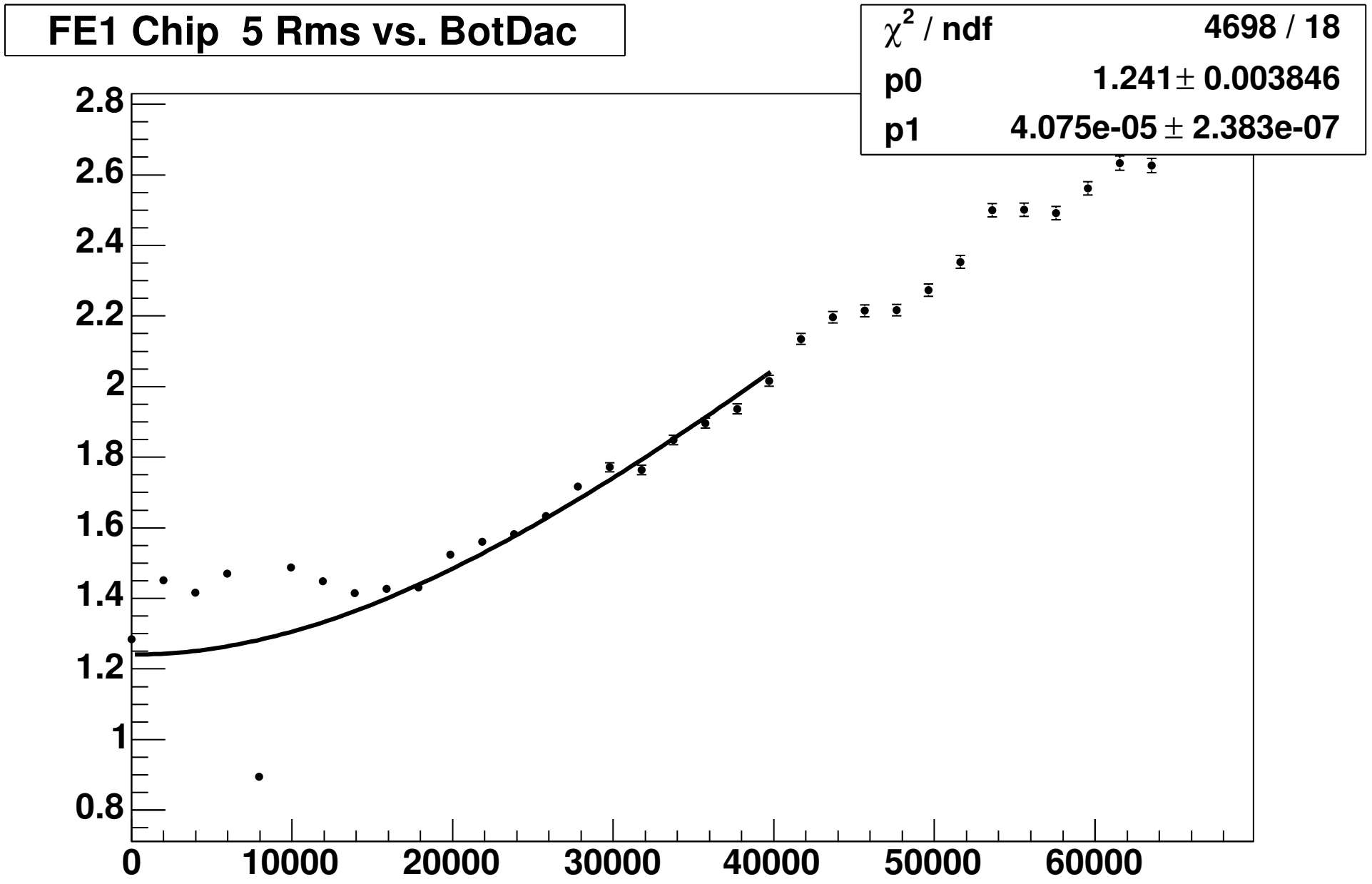
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 4698 / 18
p0 1.241 ± 0.003846
p1 4.075e-05 ± 2.383e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
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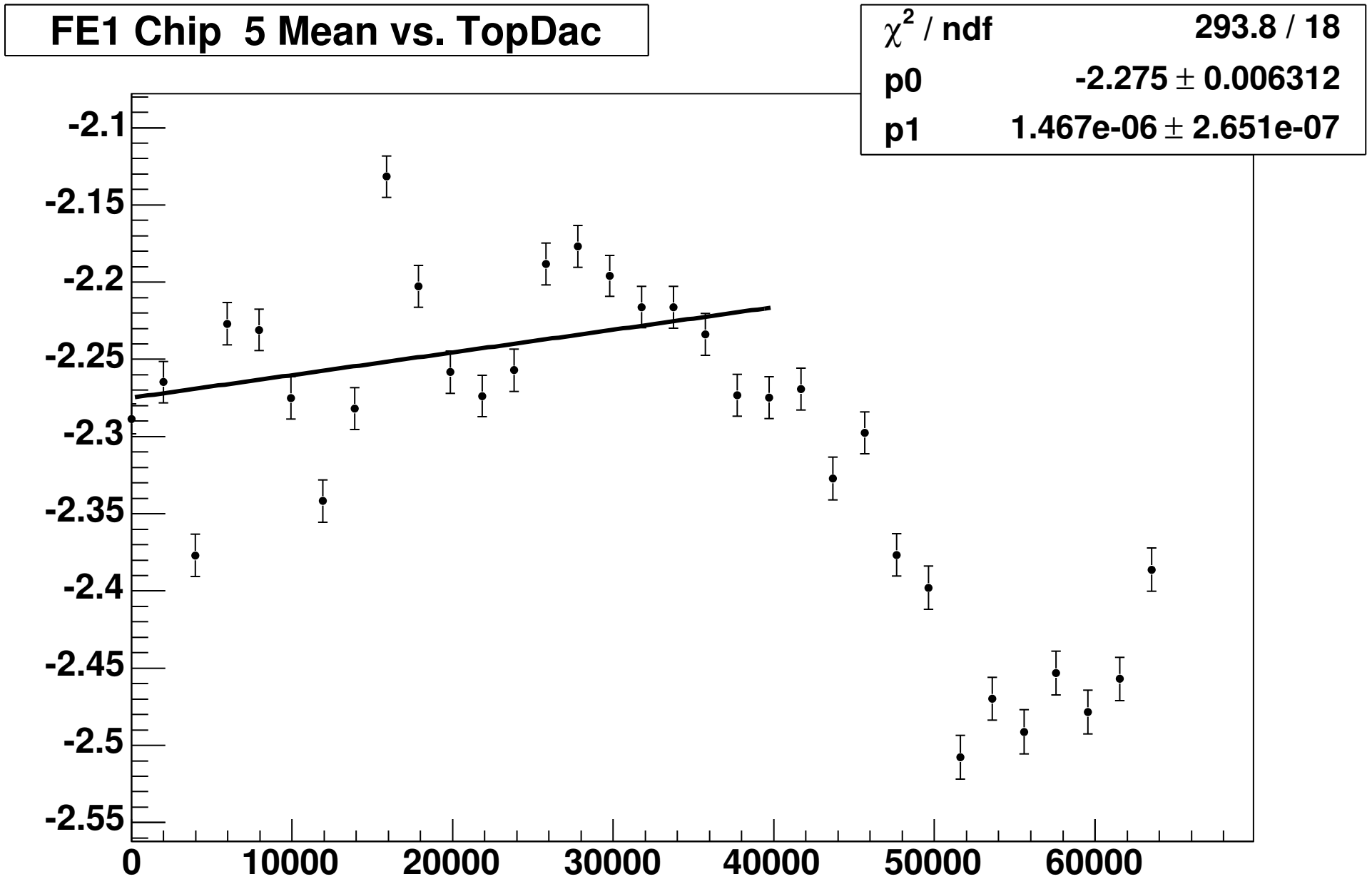
FE1 Chip 5 Mean vs. TopDac
χ^2 / ndf 293.8 / 18
p0 -2.275 ± 0.006312
p1 1.467e-06 ± 2.651e-07
-2.1
-2.15
-2.2
-2.25
-2.3
-2.35
-2.4
-2.45
-2.5
-2.55
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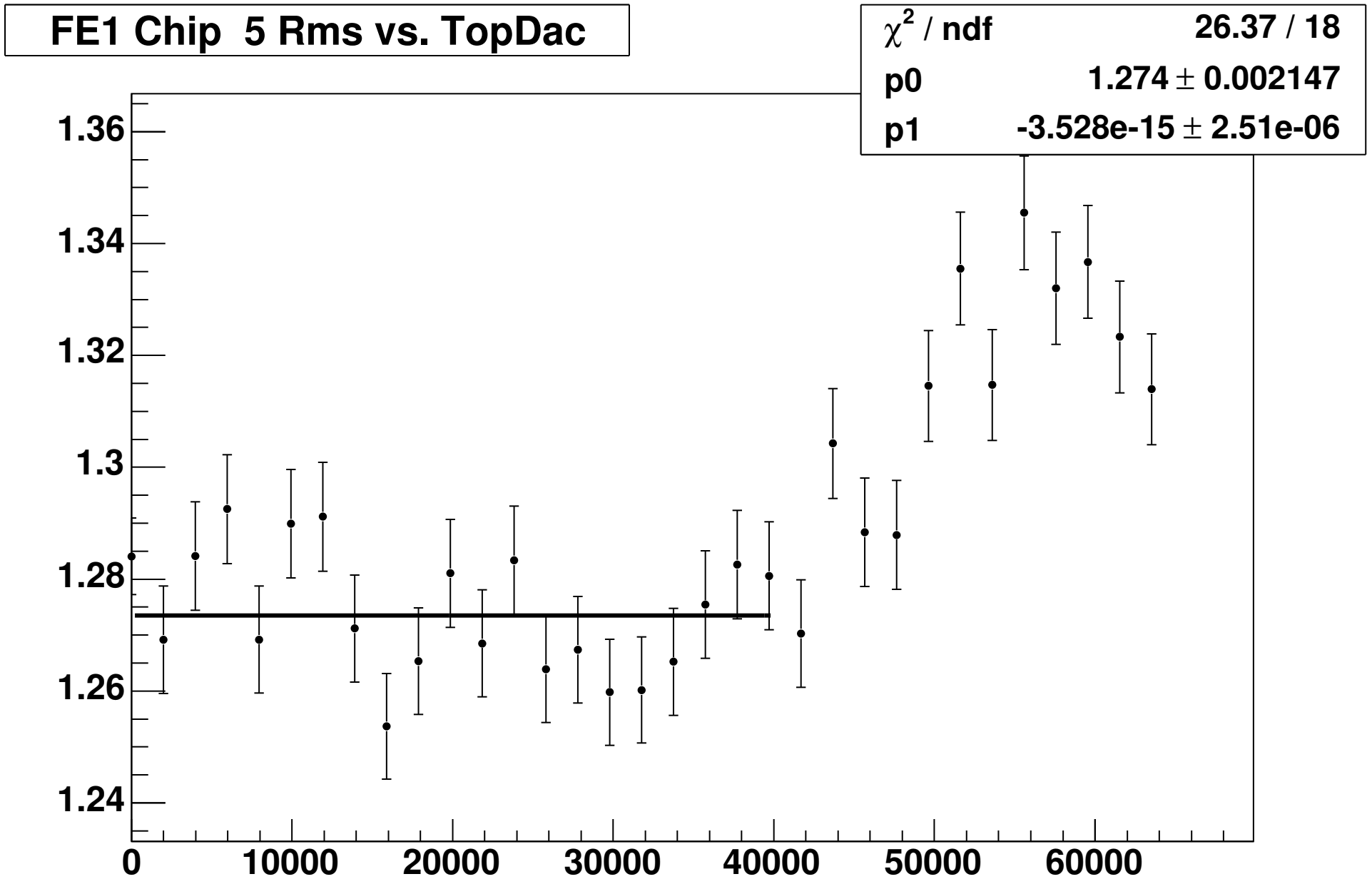
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 26.37 / 18
p0 1.274 ± 0.002147
p1 -3.528e-15 ± 2.51e-06
1.36
1.34
1.32
1.3
1.28
1.26
1.24
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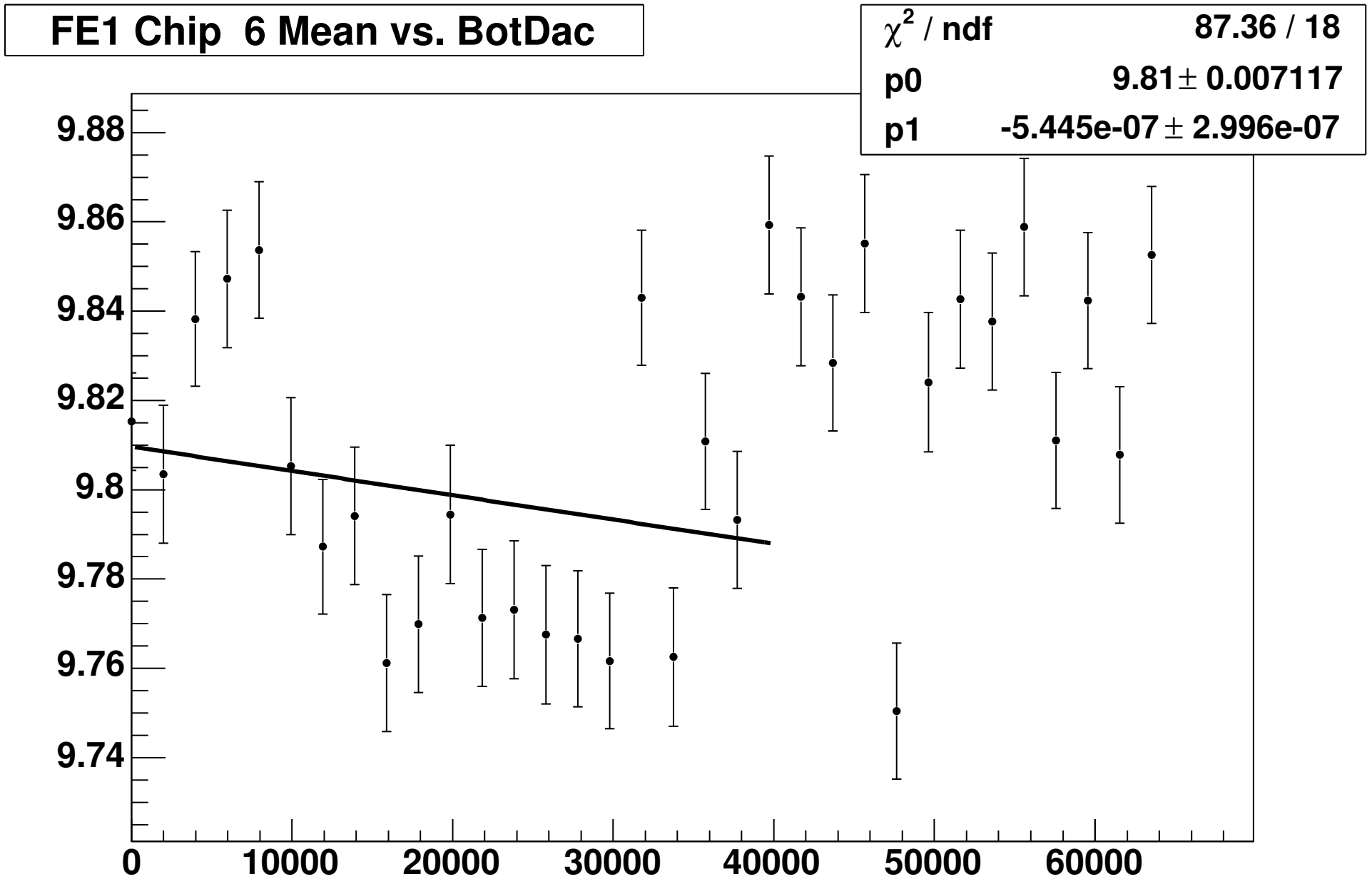
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 87.36 / 18
p0 9.81 ± 0.007117
p1 -5.445e-07 ± 2.996e-07
9.88
9.86
9.84
9.82
9.8
9.78
9.76
9.74
0
10000
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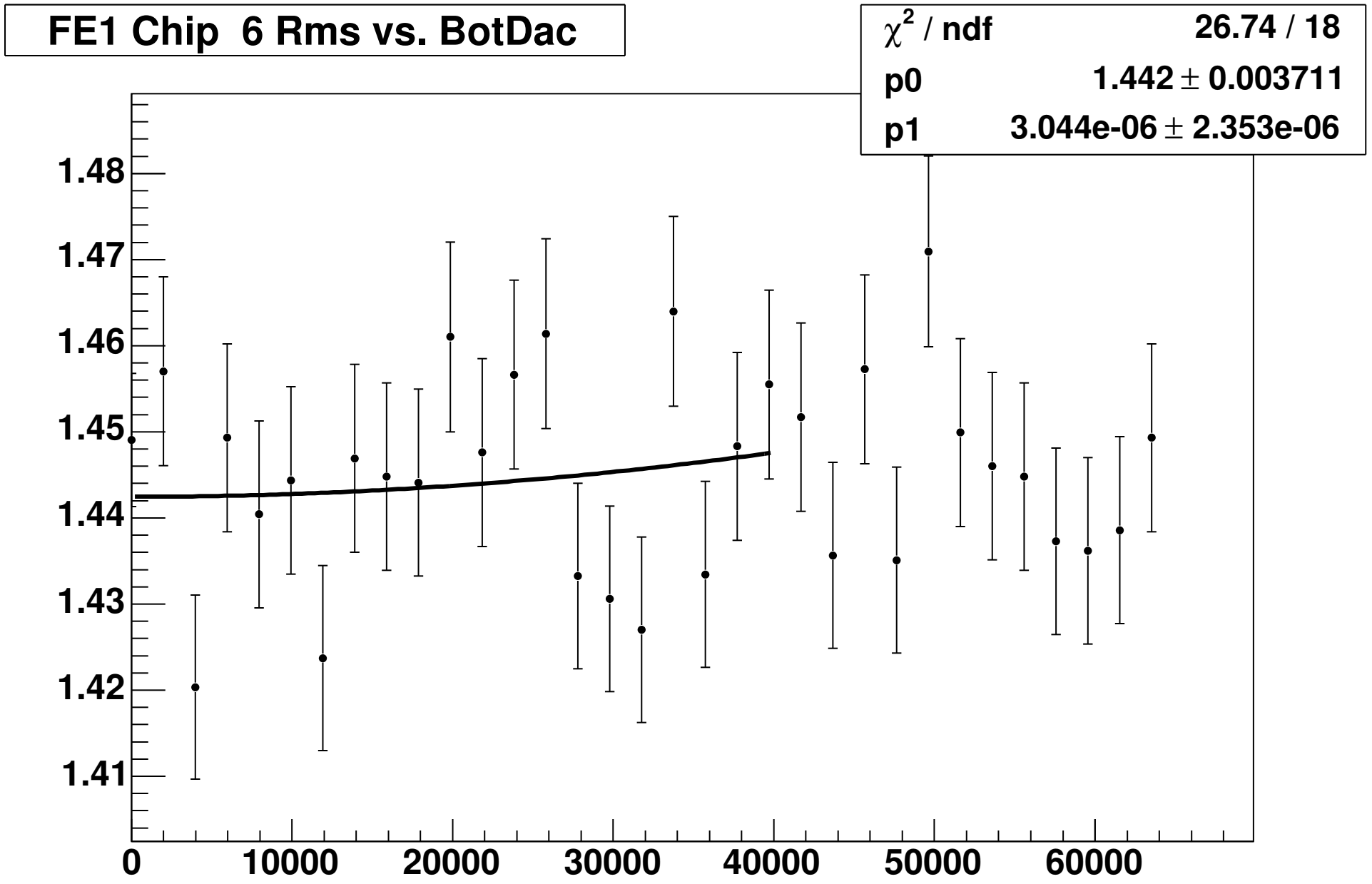
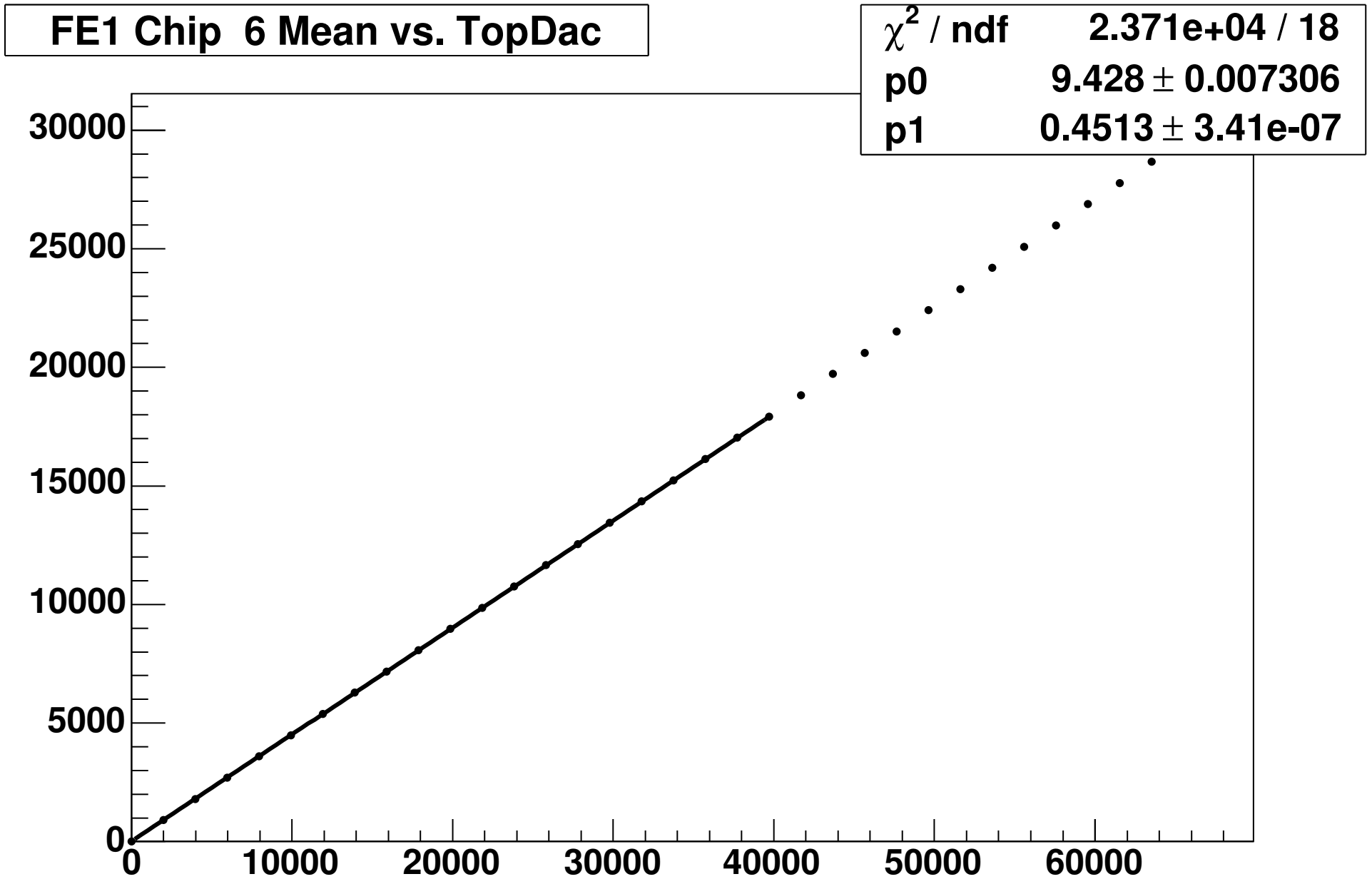
30000
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 26.74 / 18
p0 1.442 ± 0.003711
p1 3.044e-06 ± 2.353e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 2.371e+04 / 18
p0 9.428 ± 0.007306
p1 0.4513 ± 3.41e-07
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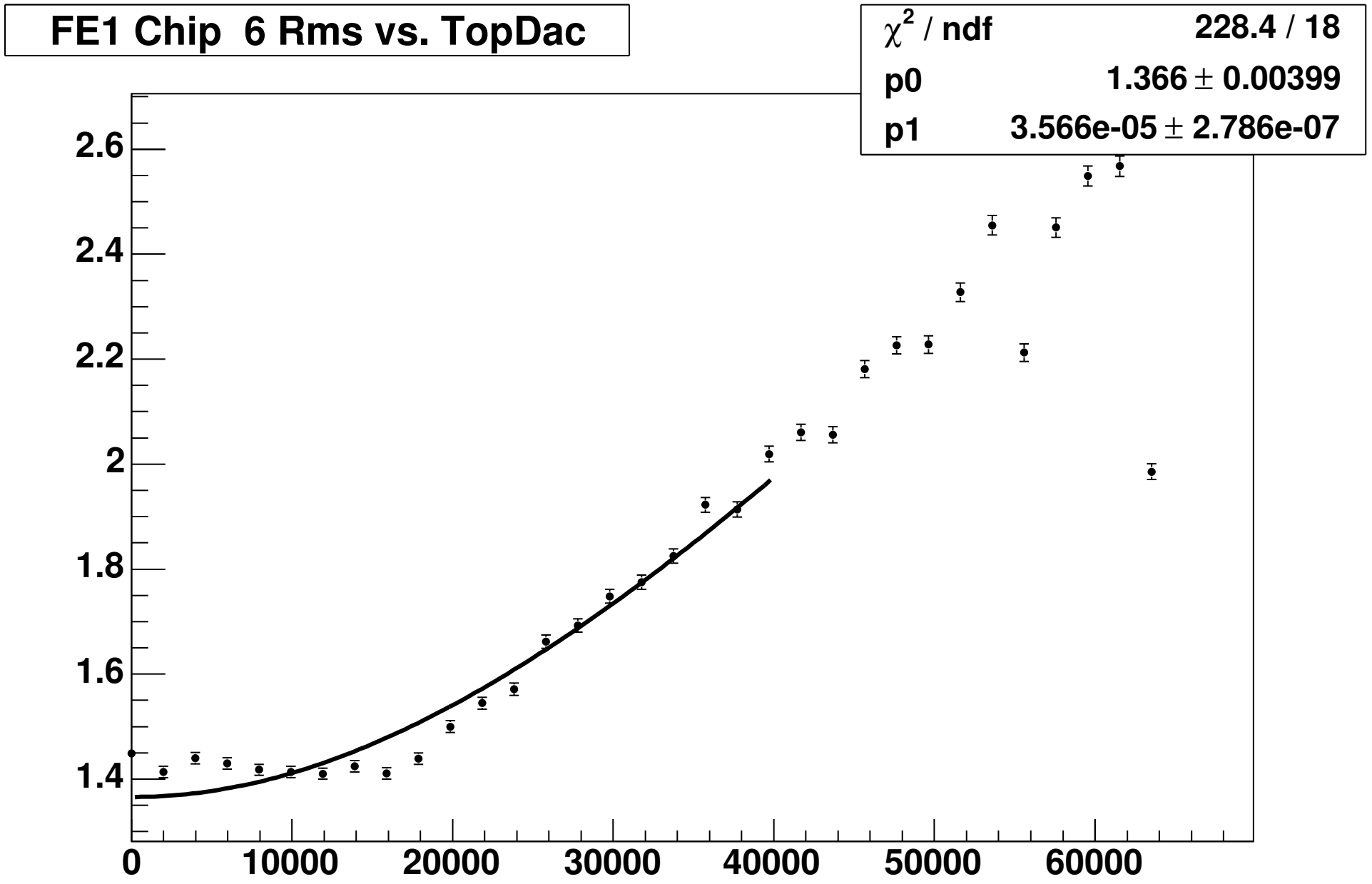
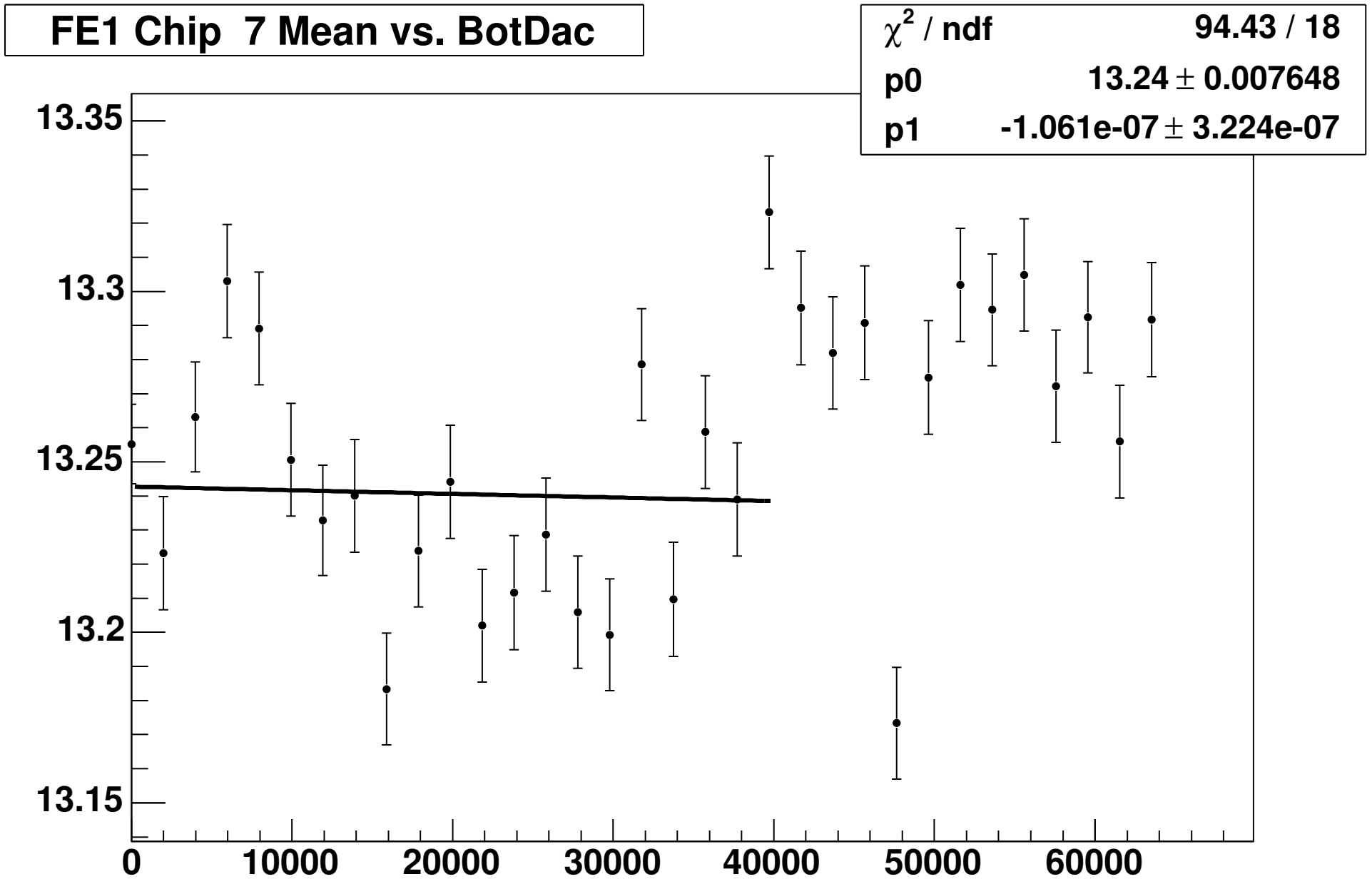
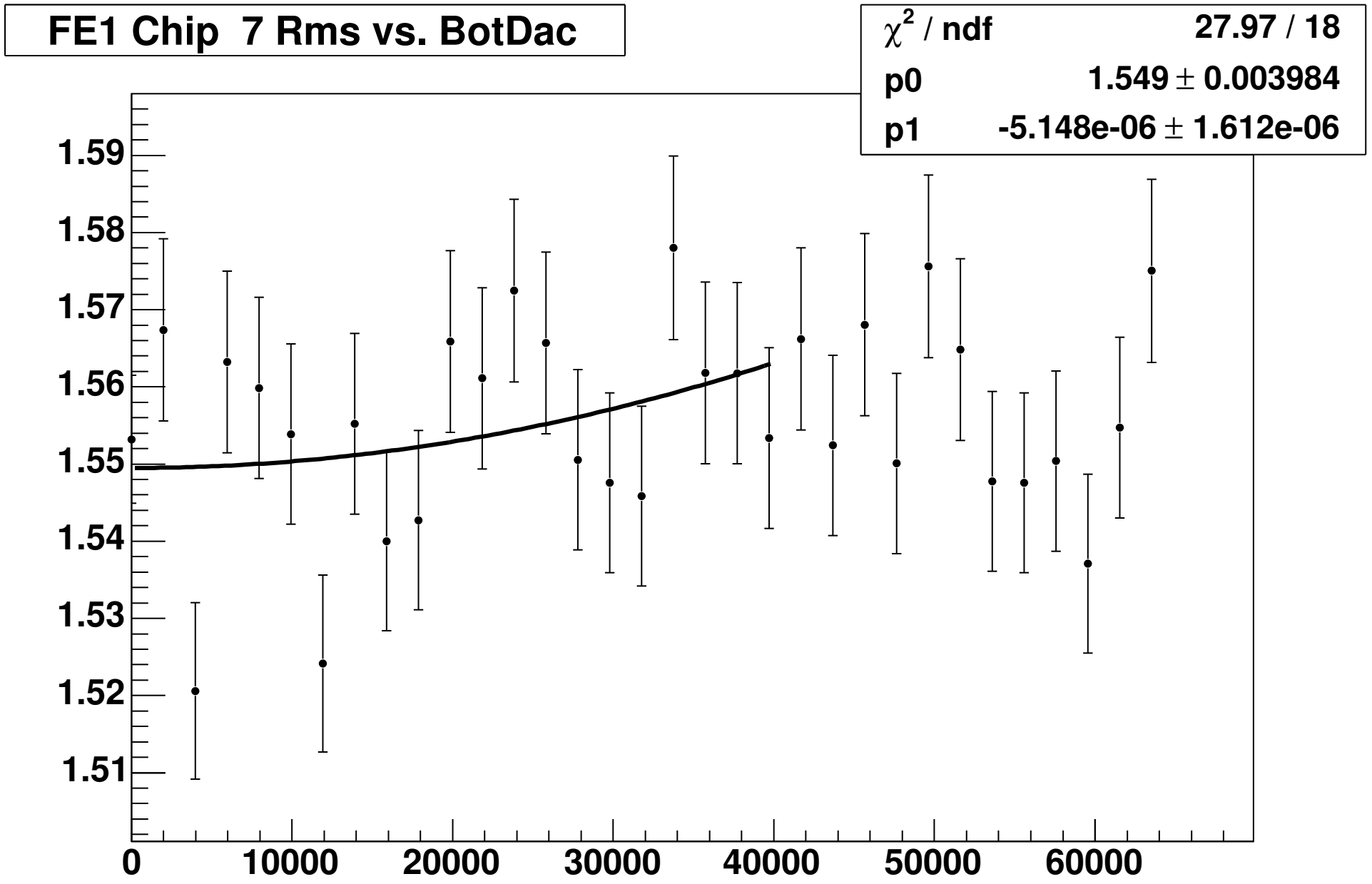
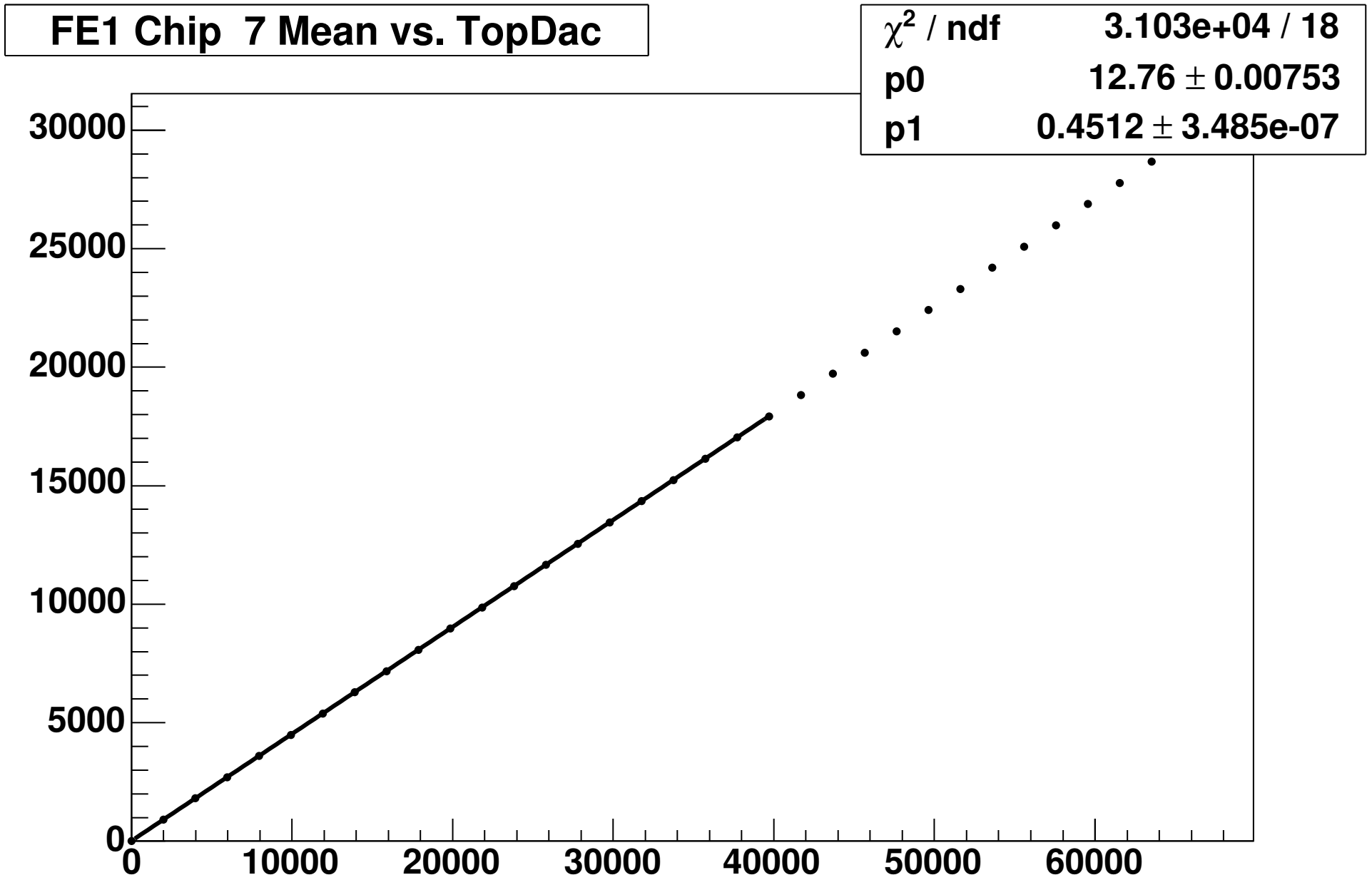
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 228.4 / 18
p0 1.366 ± 0.00399
p1 3.566e-05 ± 2.786e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 94.43 / 18
p0 13.24 ± 0.007648
p1 -1.061e-07 ± 3.224e-07
13.35
13.3
13.25
13.2
13.15
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 27.97 / 18
p0 1.549 ± 0.003984
p1 -5.148e-06 ± 1.612e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 3.103e+04 / 18
p0 12.76 ± 0.00753
p1 0.4512 ± 3.485e-07
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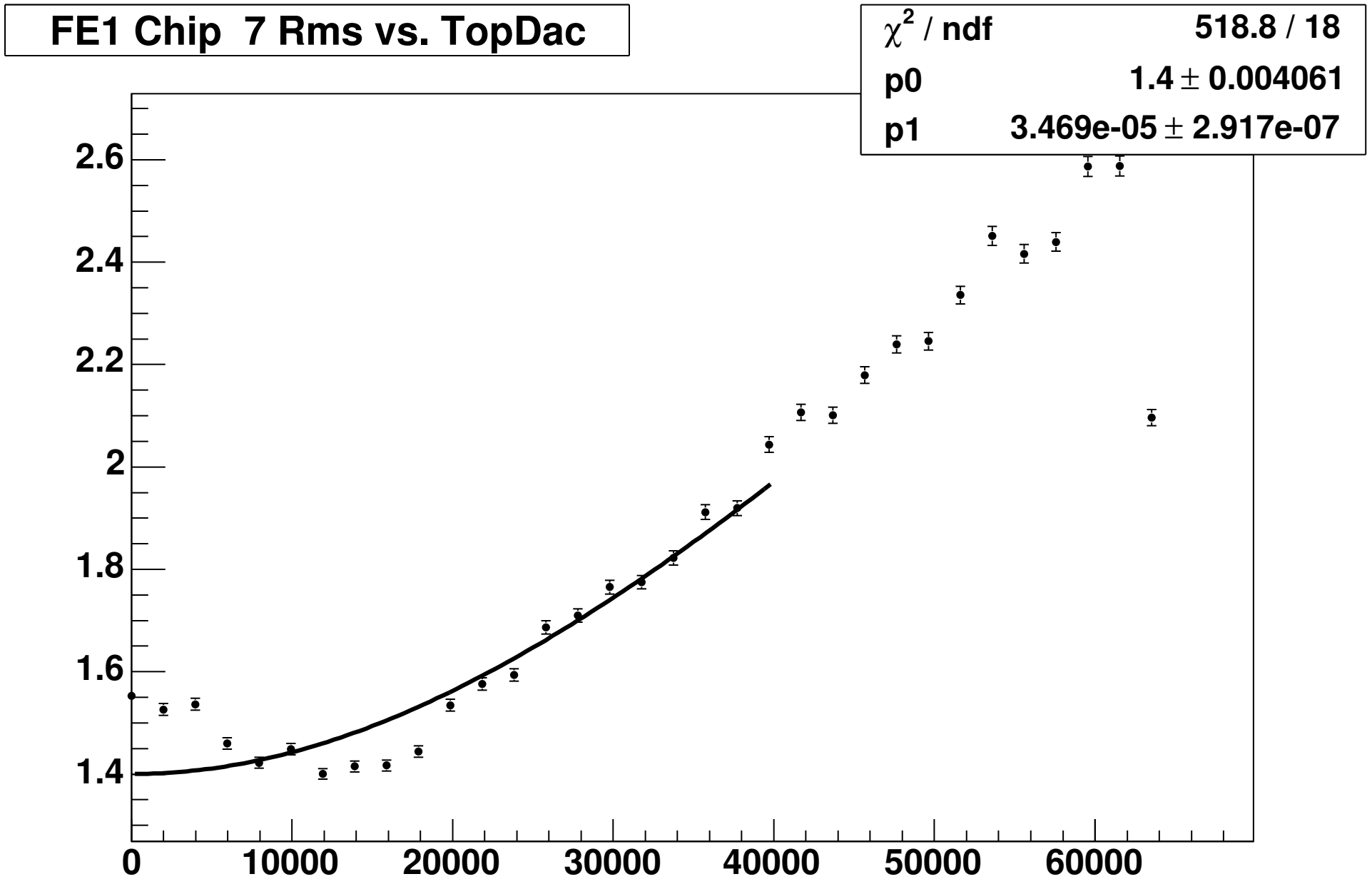
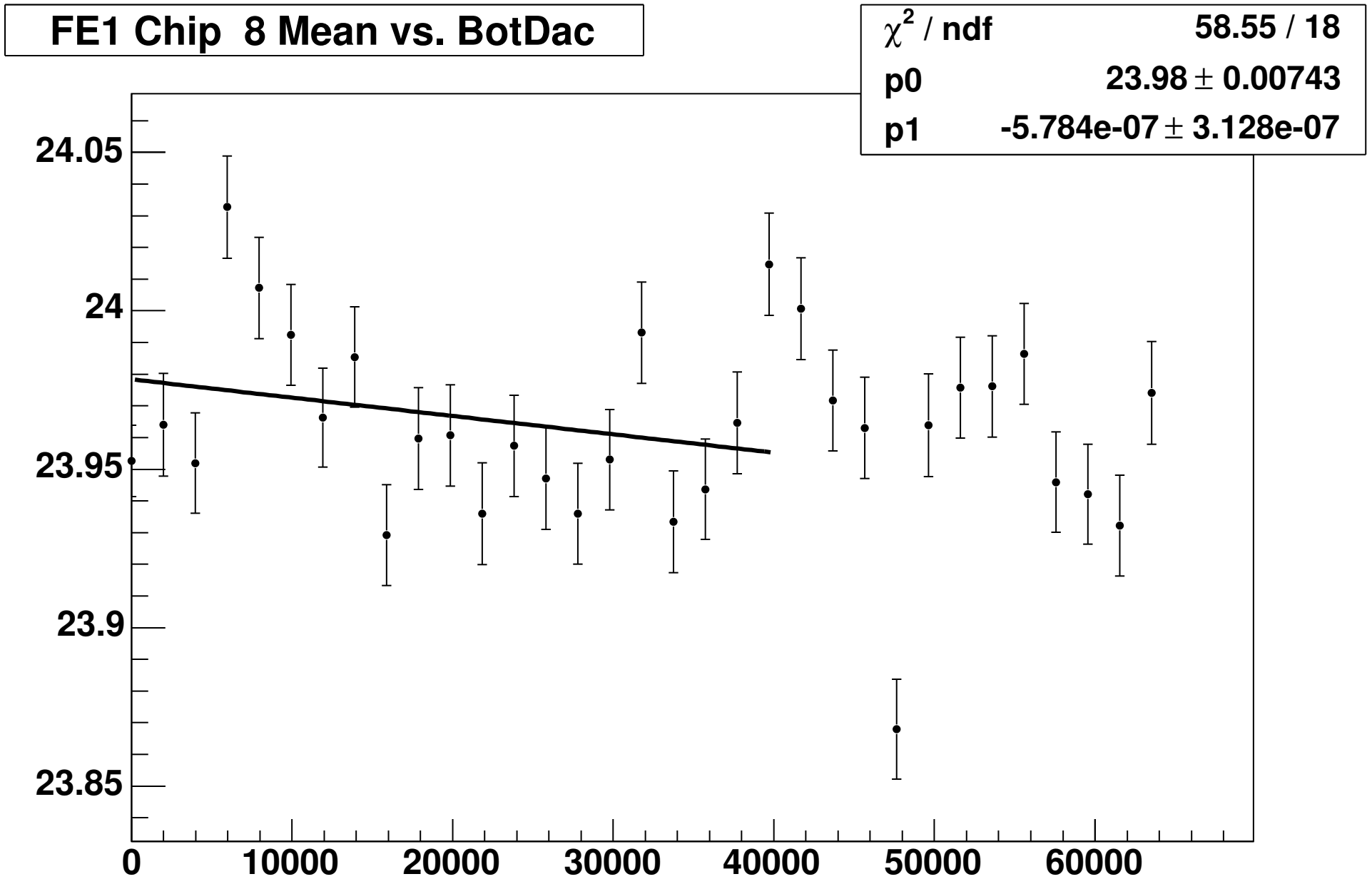
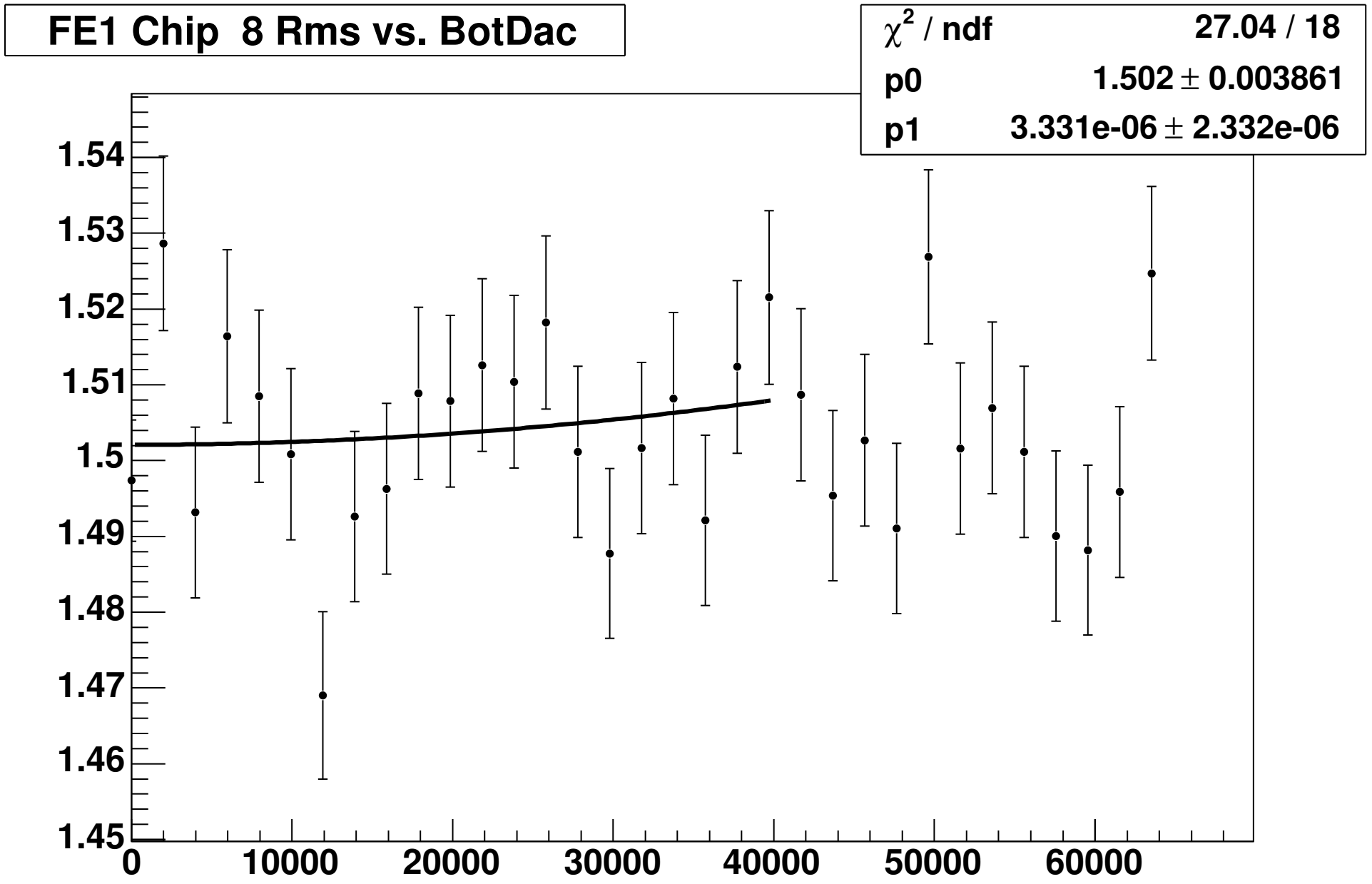
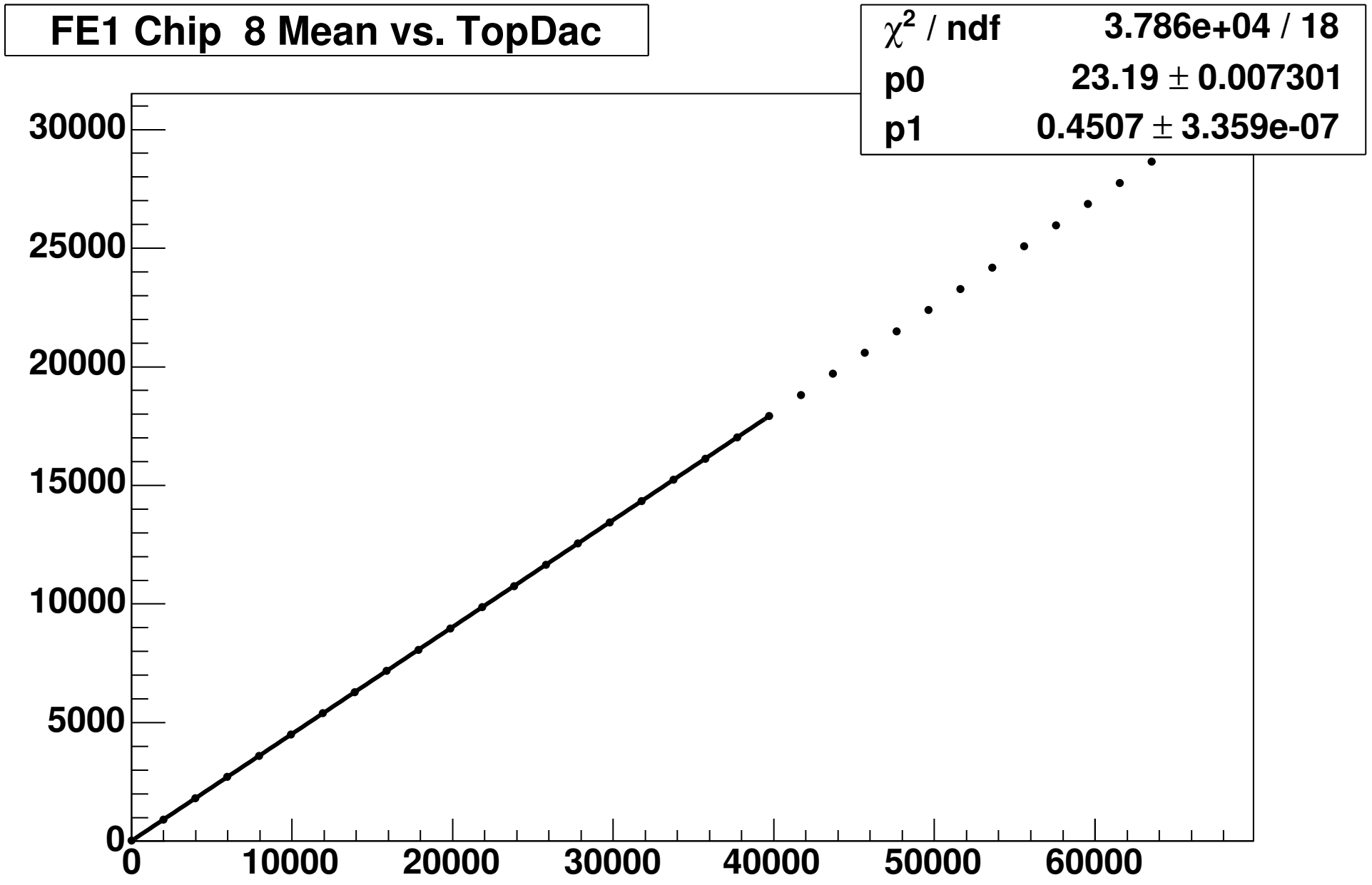
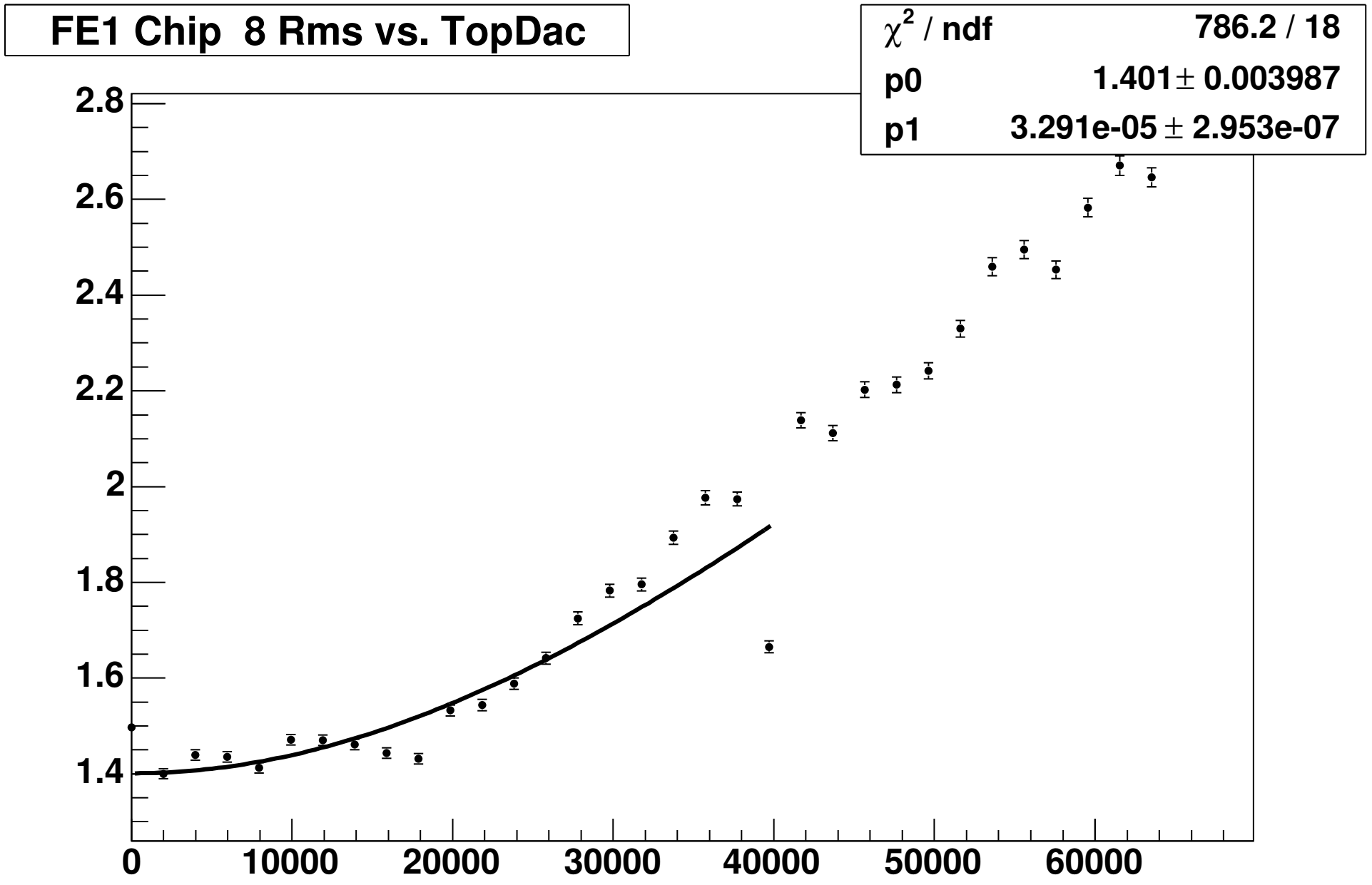
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

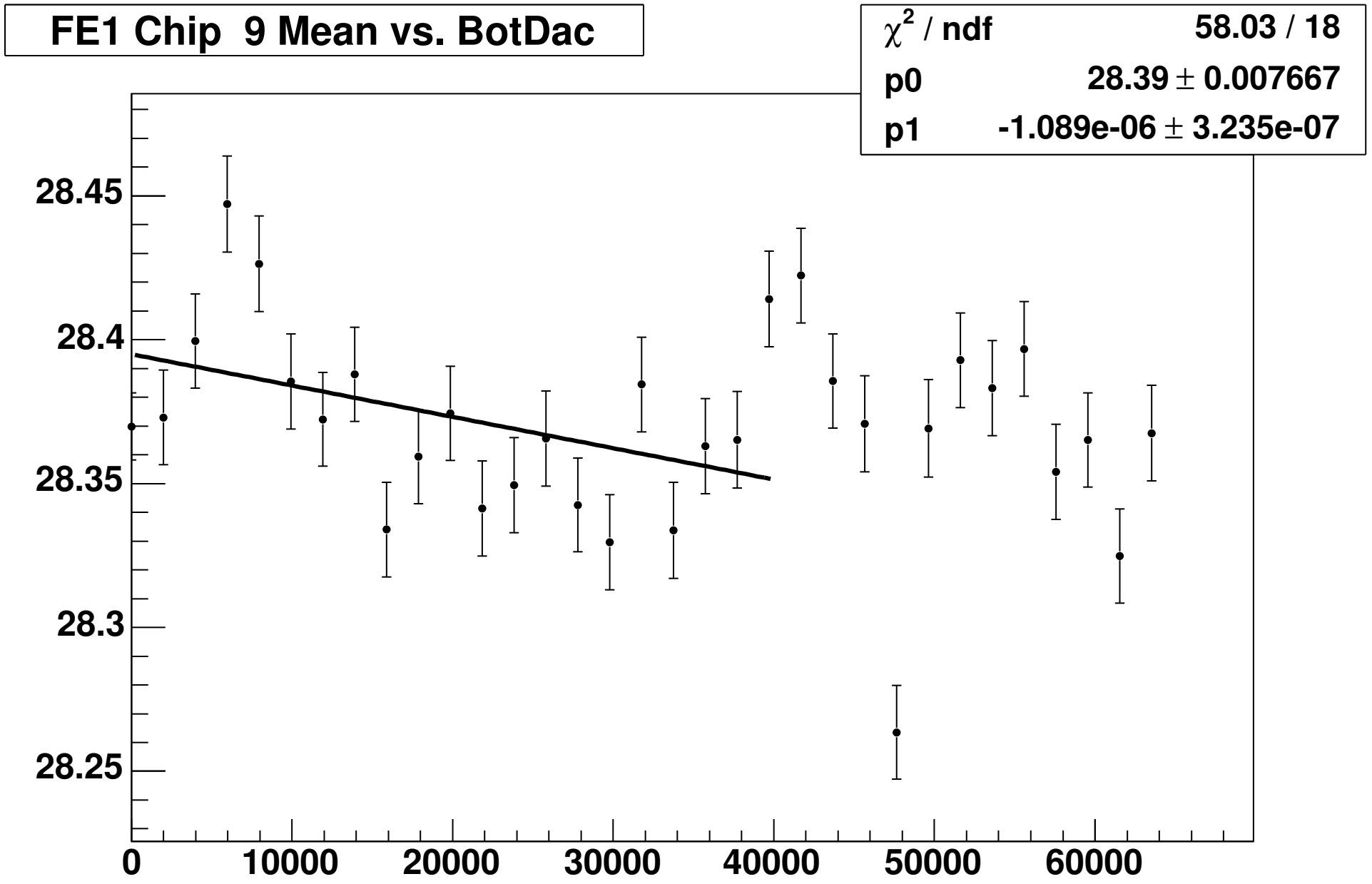

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 518.8 / 18
p0 1.4 ± 0.004061
p1 3.469e-05 ± 2.917e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

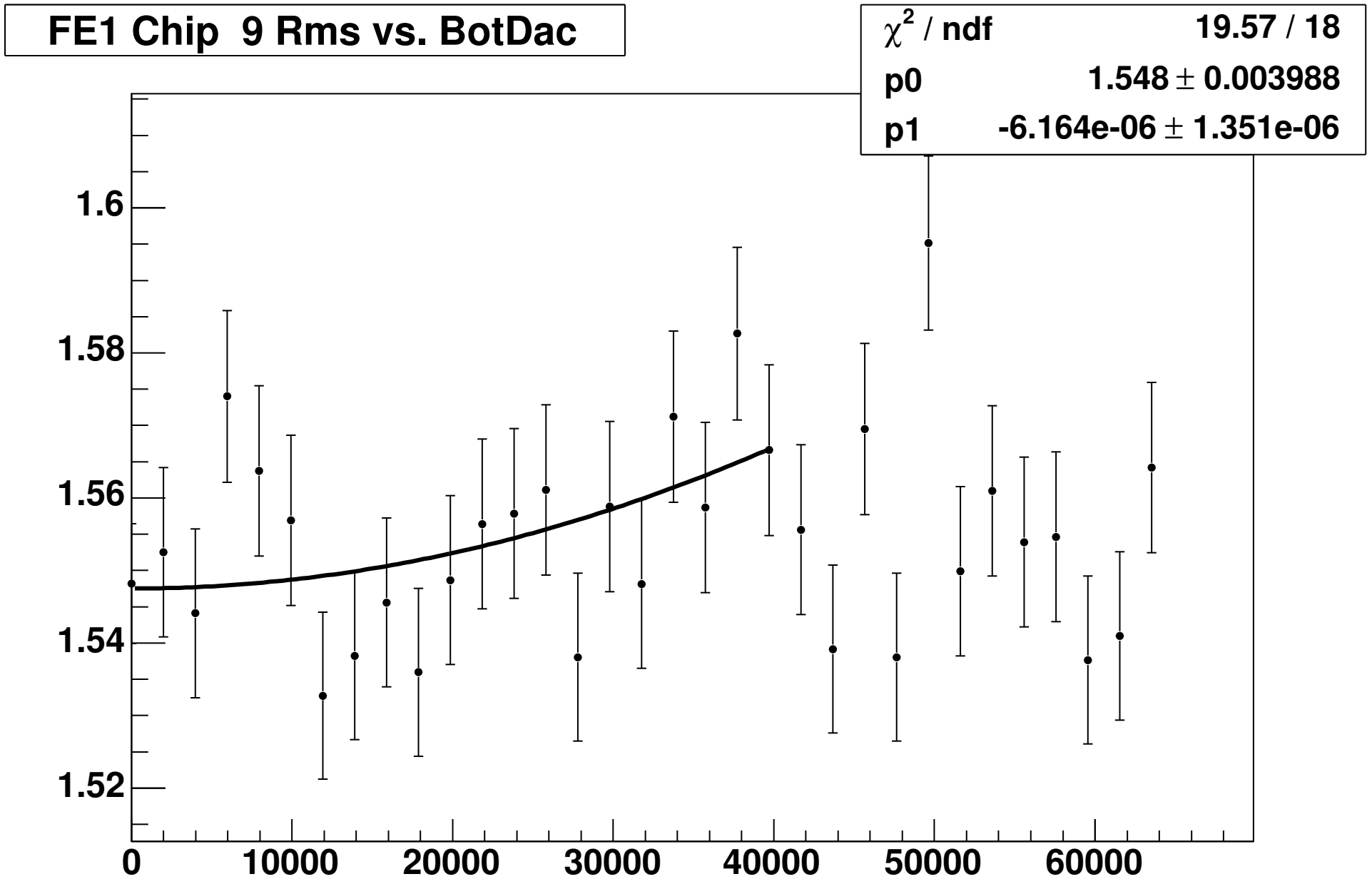

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 58.55 / 18
p0 23.98 ± 0.00743
p1 -5.784e-07 ± 3.128e-07
24.05
24
23.95
23.9
23.85
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 27.04 / 18
p0 1.502 ± 0.003861
p1 3.331e-06 ± 2.332e-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


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 3.786e+04 / 18
p0 23.19 ± 0.007301
p1 0.4507 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 786.2 / 18
p0 1.401 ± 0.003987
p1 3.291e-05 ± 2.953e-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 9 Mean vs. BotDac
χ² / ndf 58.03 / 18
p0 28.39 ± 0.007667
p1 -1.089e-06 ± 3.235e-07
28.45
28.4
28.35
28.3
28.25
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 19.57 / 18
p0 1.548 ± 0.003988
p1 -6.164e-06 ± 1.351e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
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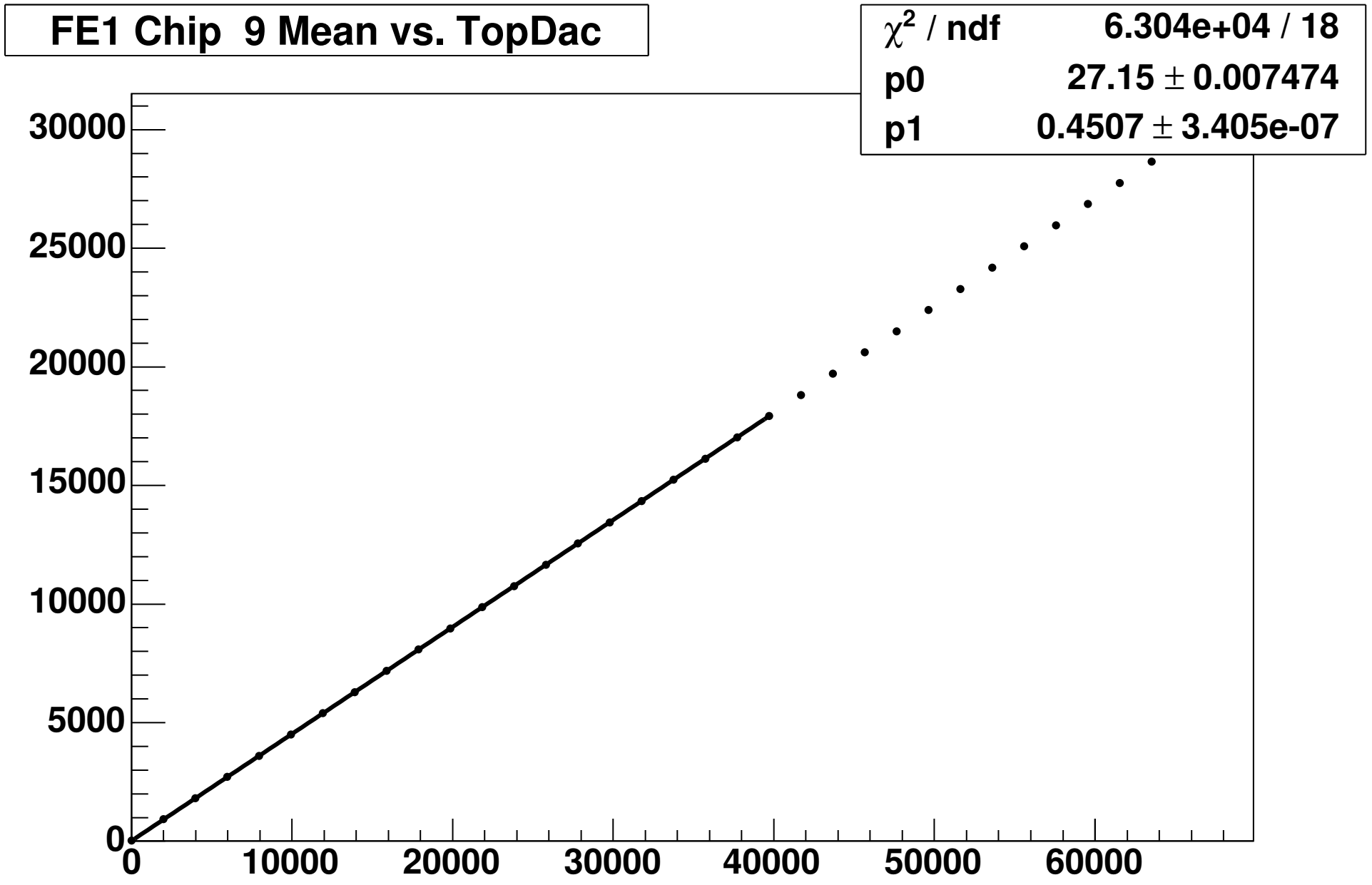
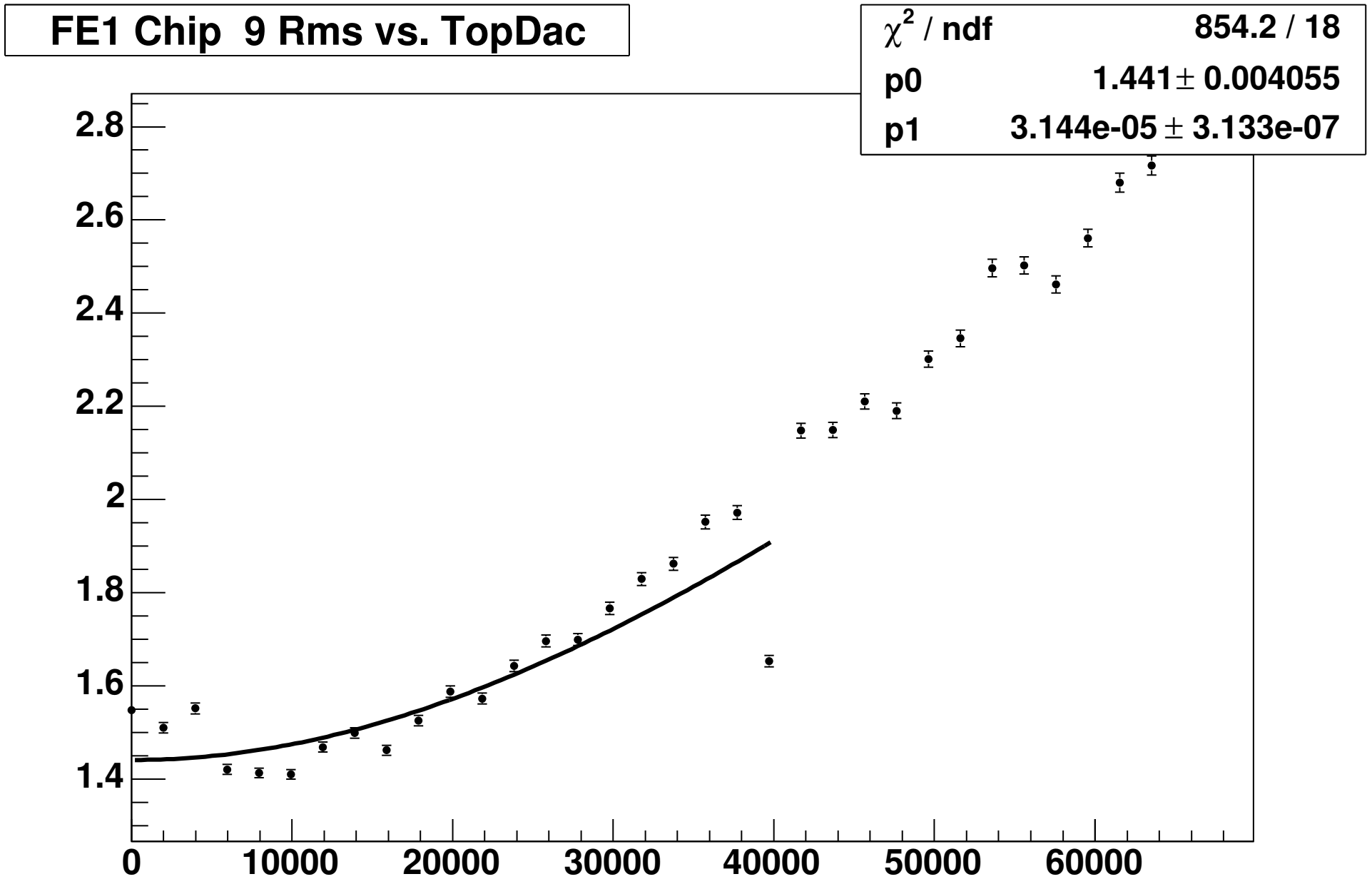
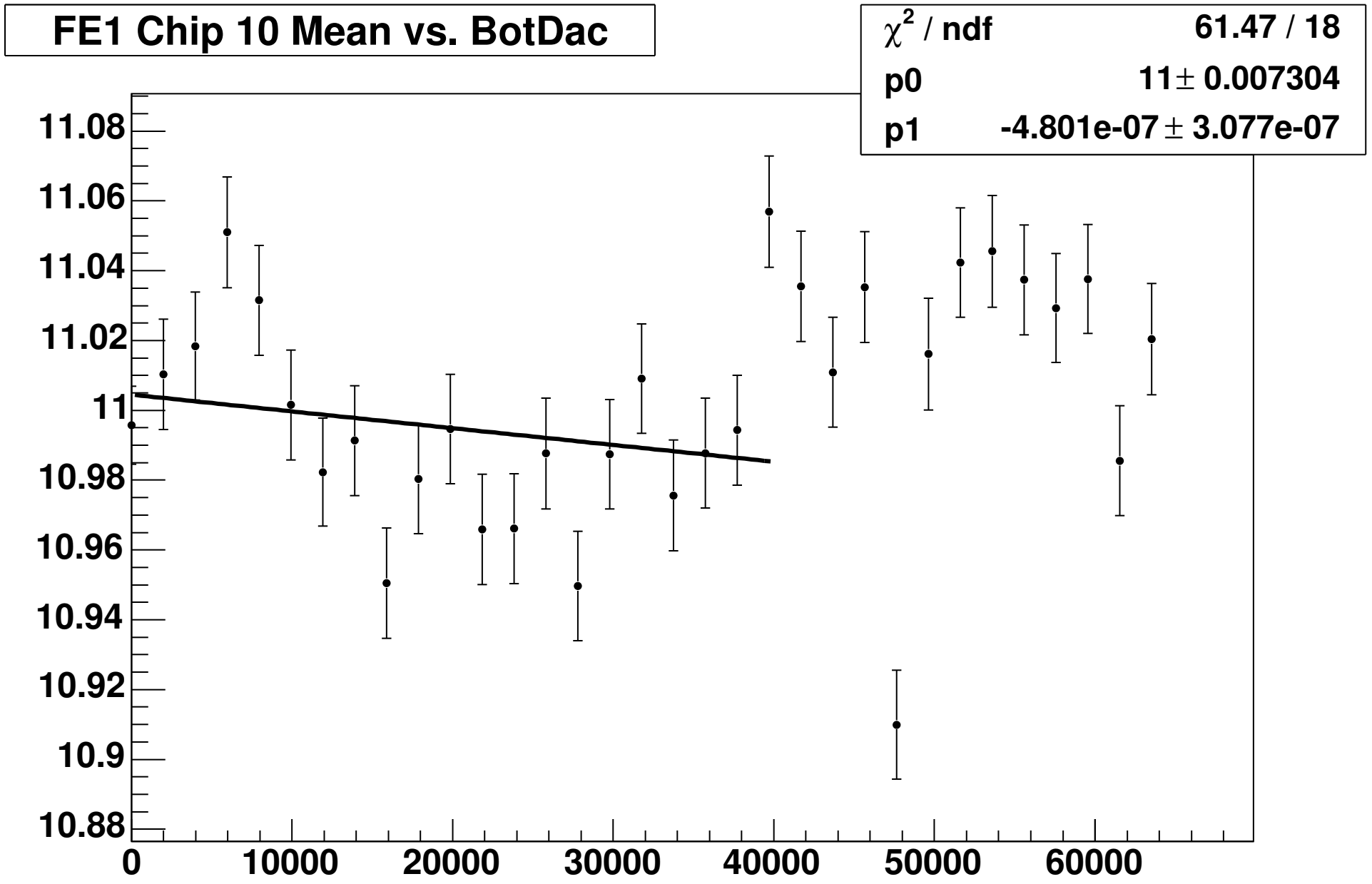
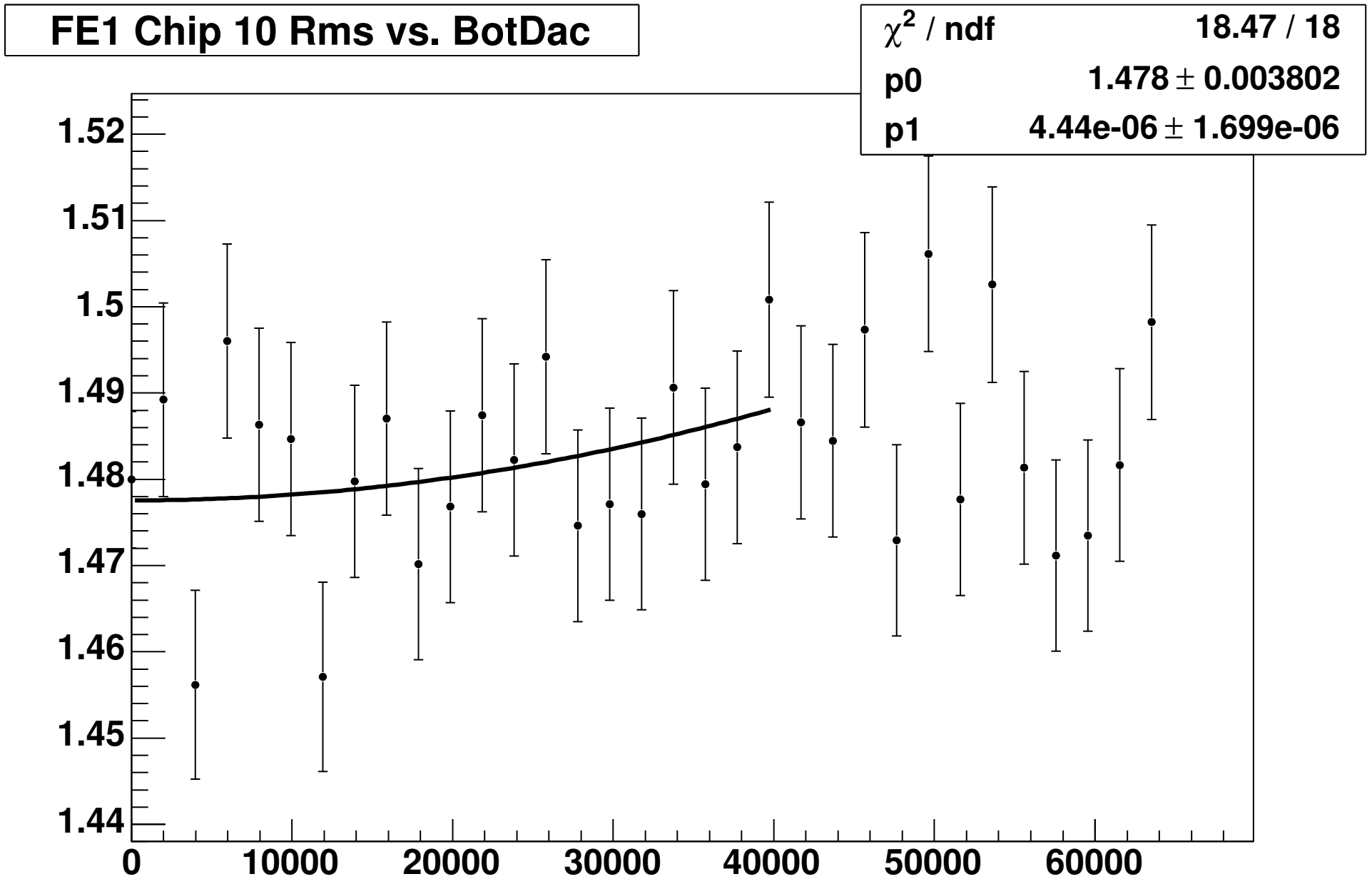
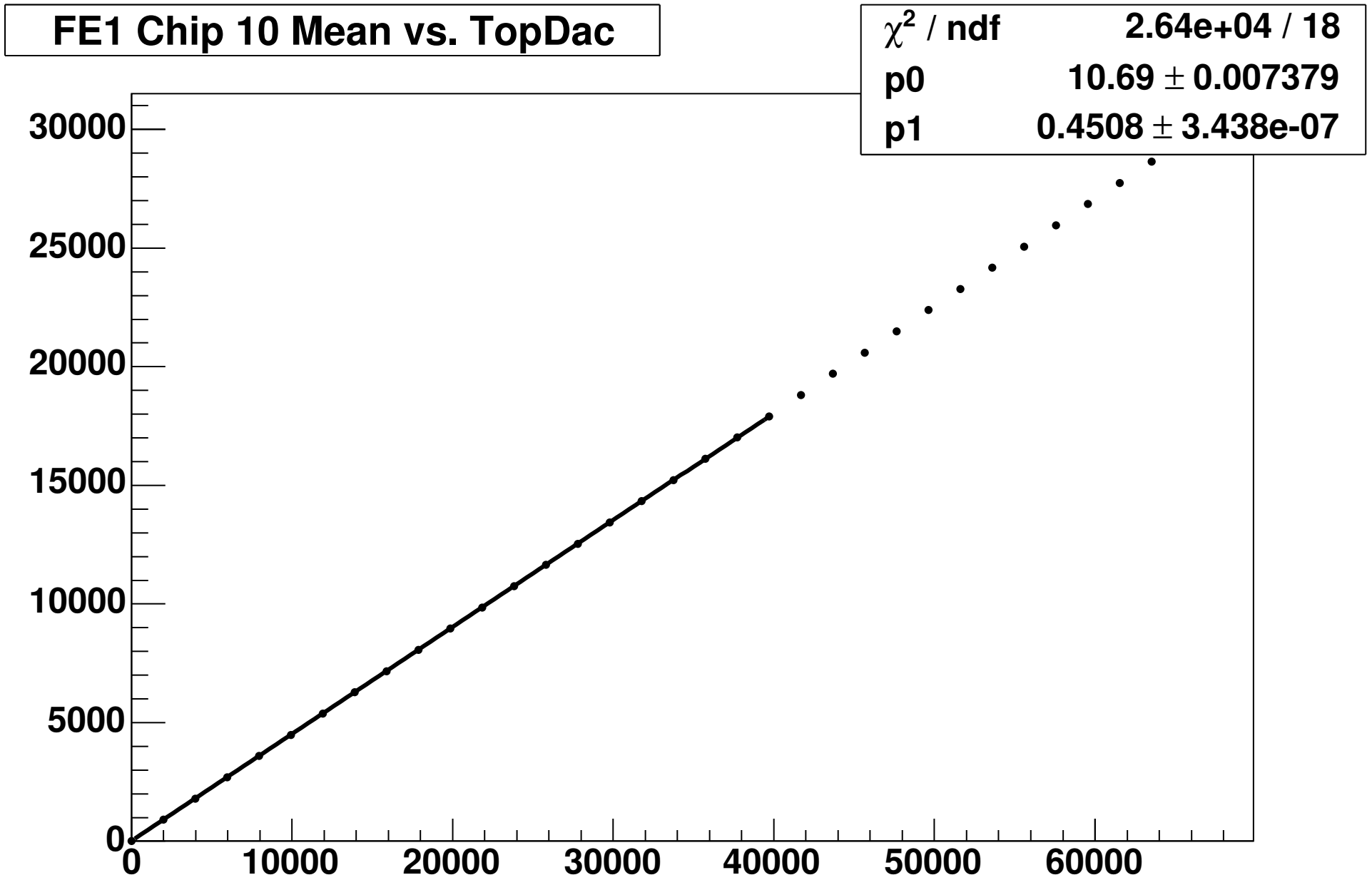
50000
60000

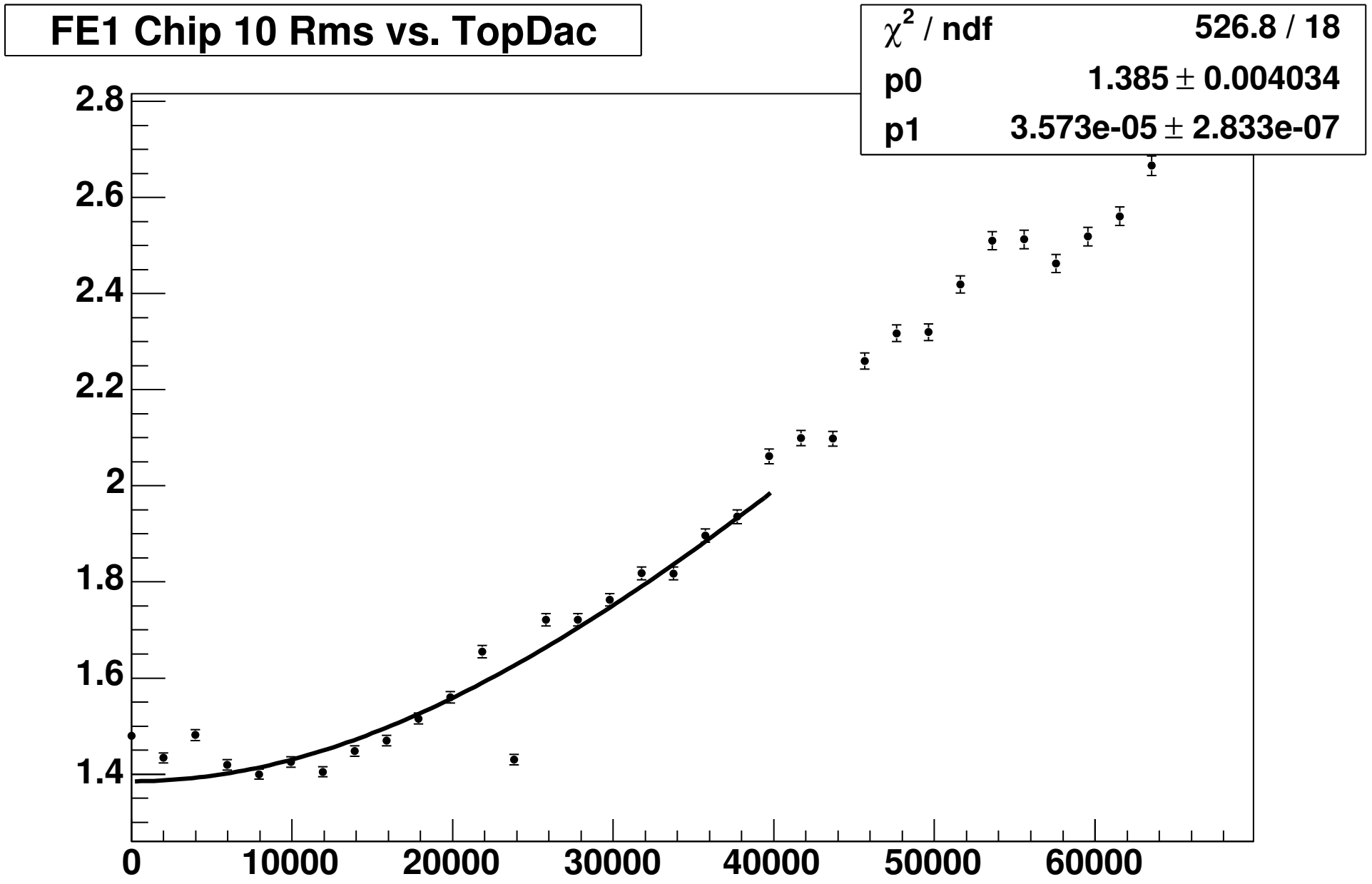

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 6.304e+04 / 18
p0 27.15 ± 0.007474
p1 0.4507 ± 3.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

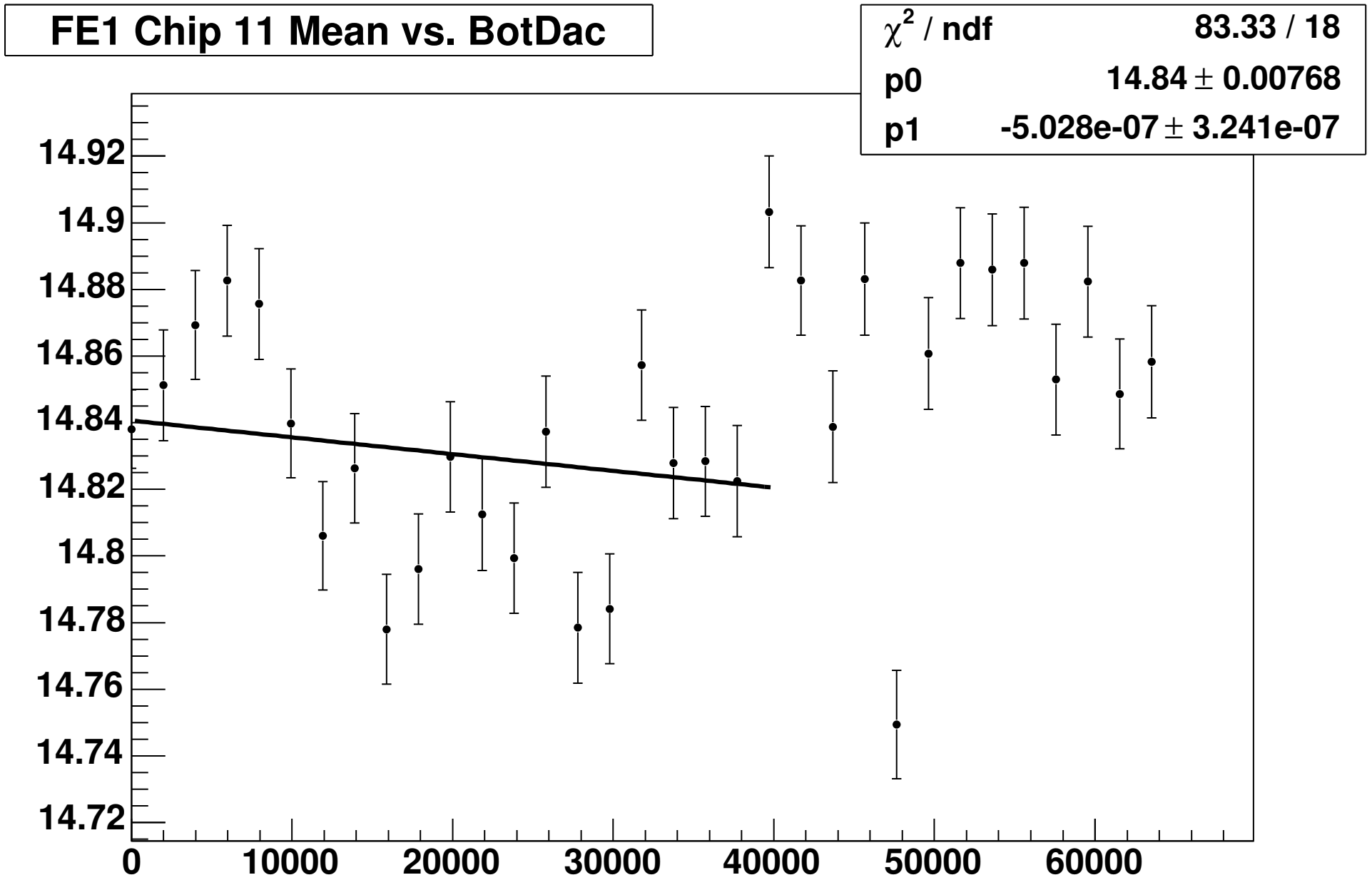

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 854.2 / 18
p0 1.441 ± 0.004055
p1 3.144e-05 ± 3.133e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

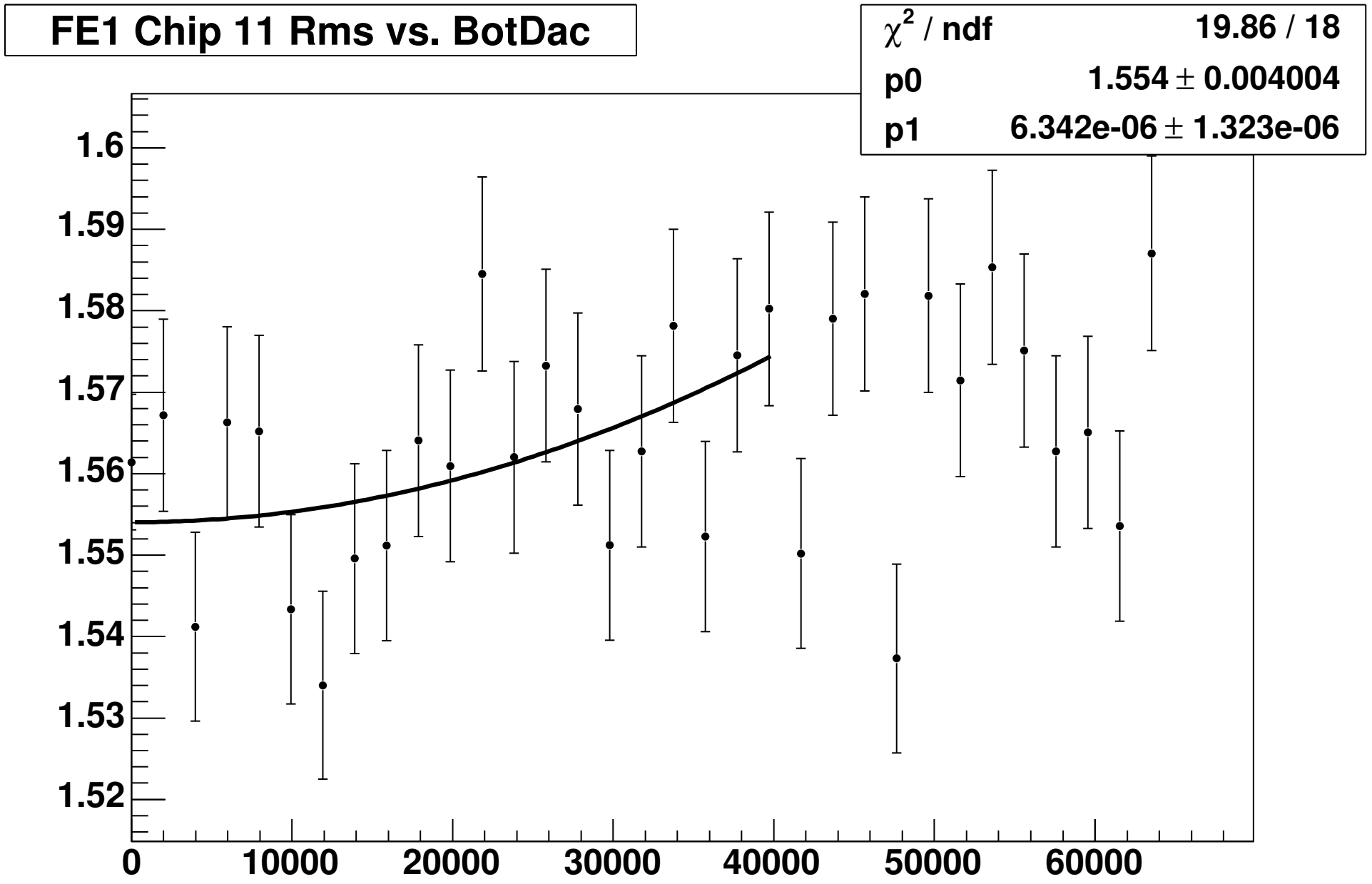

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 61.47 / 18
p0 11 ± 0.007304
p1 -4.801e-07 ± 3.077e-07
11.08
11.06
11.04
11.02
11
10.98
10.96
10.94
10.92
10.9
10.88
0
10000
20000
30000
40000
50000
60000

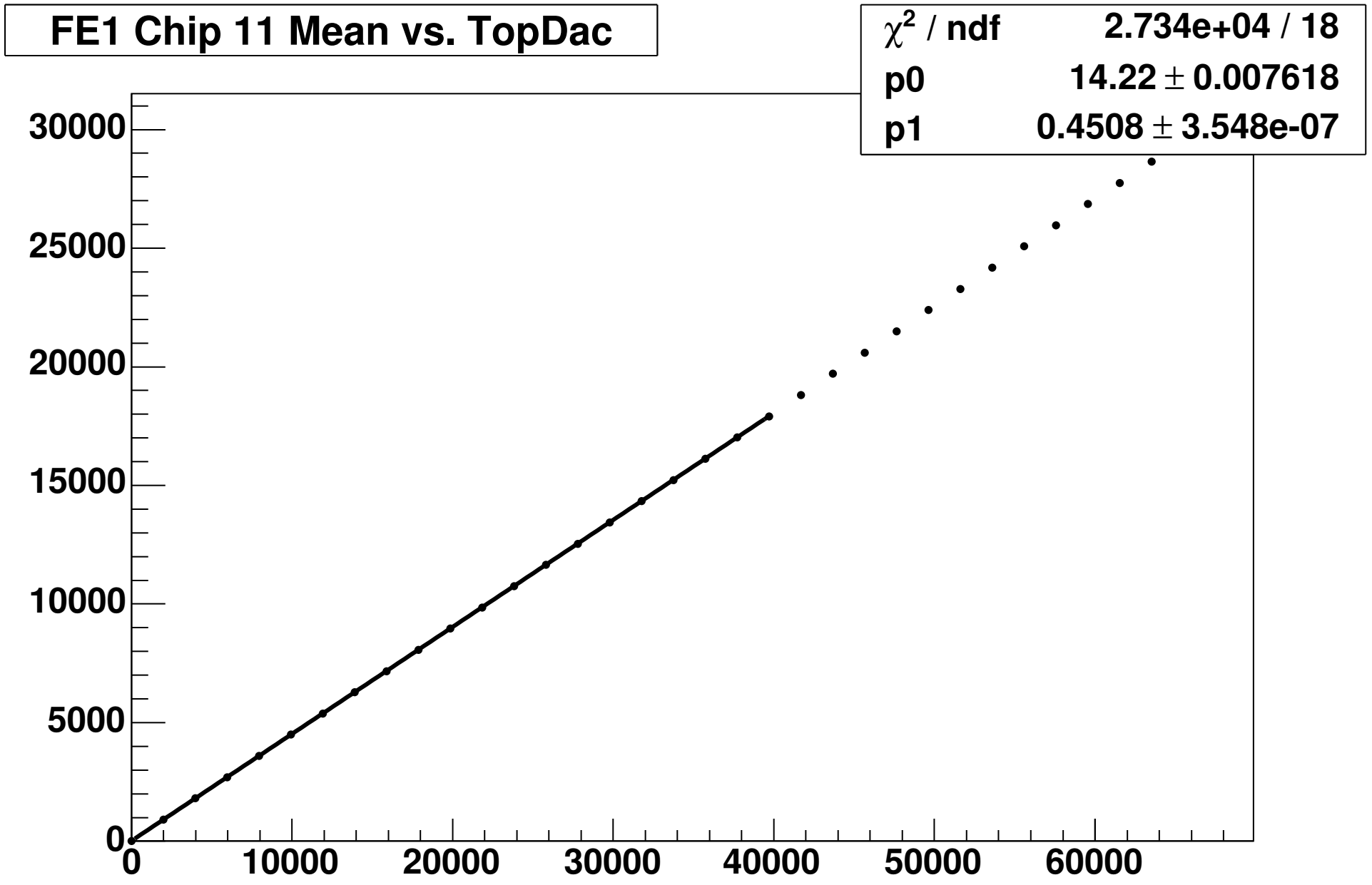

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 18.47 / 18
p0 1.478 ± 0.003802
p1 4.44e-06 ± 1.699e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

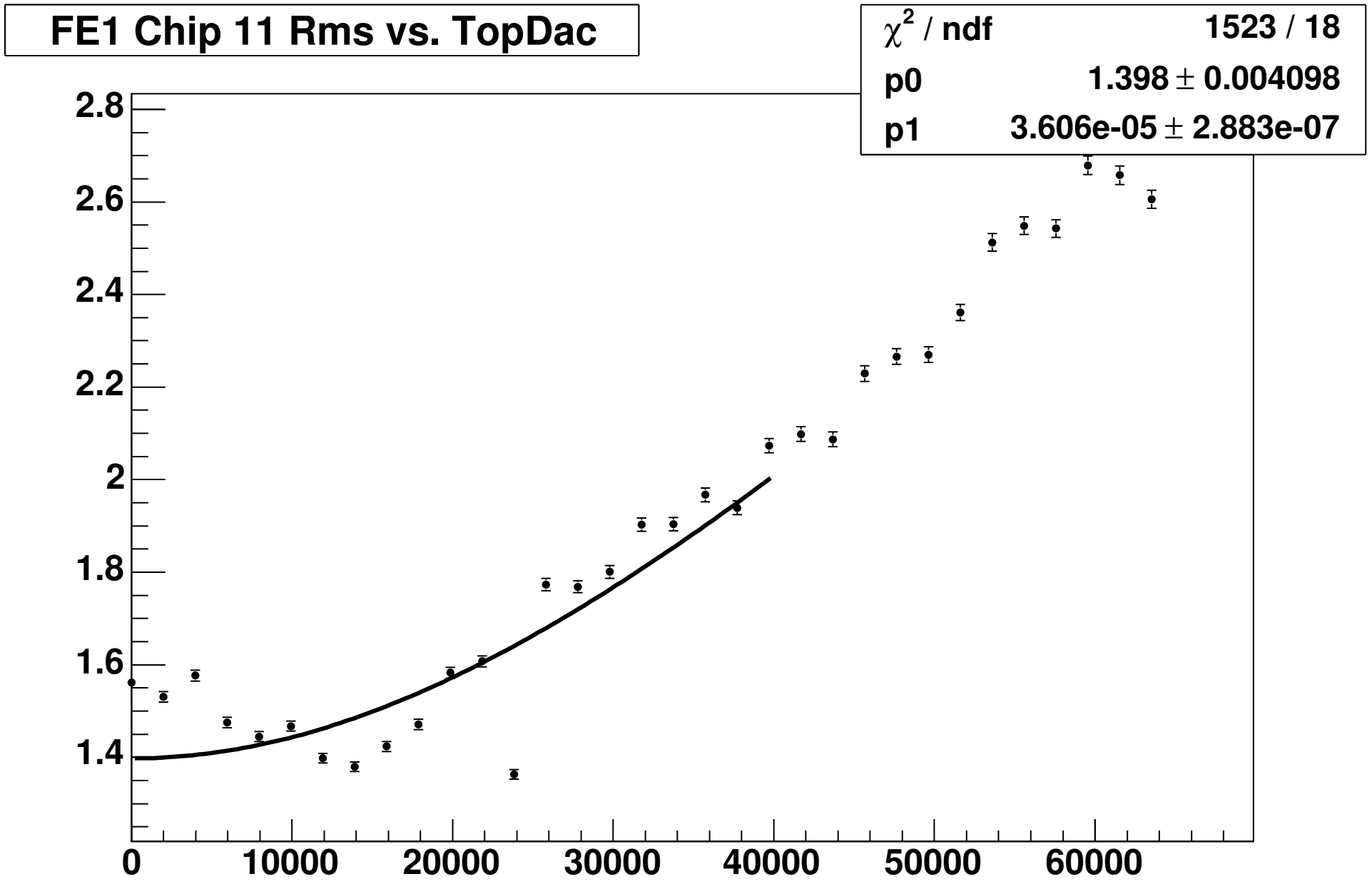

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 2.64e+04 / 18
p0 10.69 ± 0.007379
p1 0.4508 ± 3.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

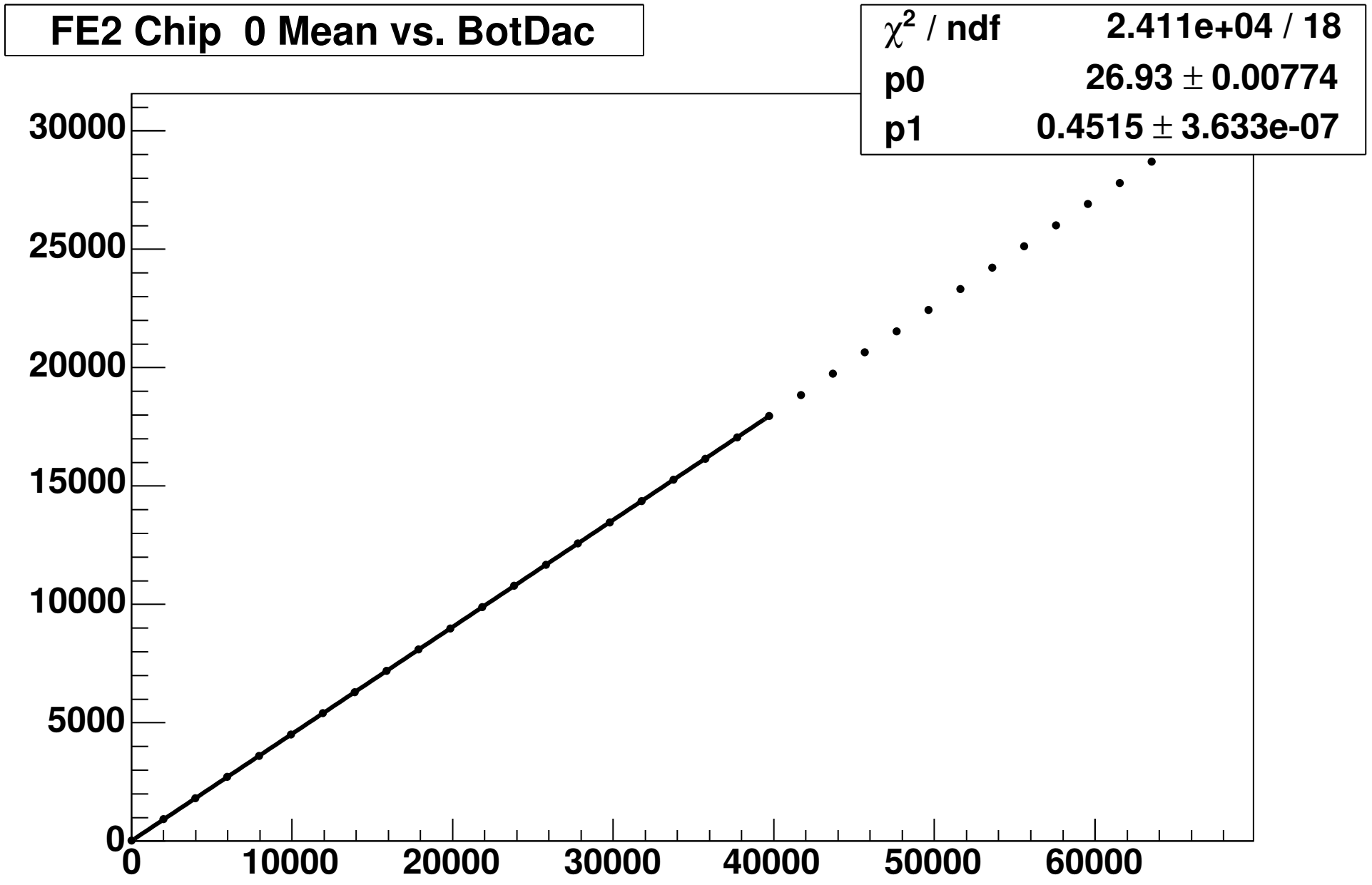

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 526.8 / 18
p0 1.385 ± 0.004034
p1 3.573e-05 ± 2.833e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

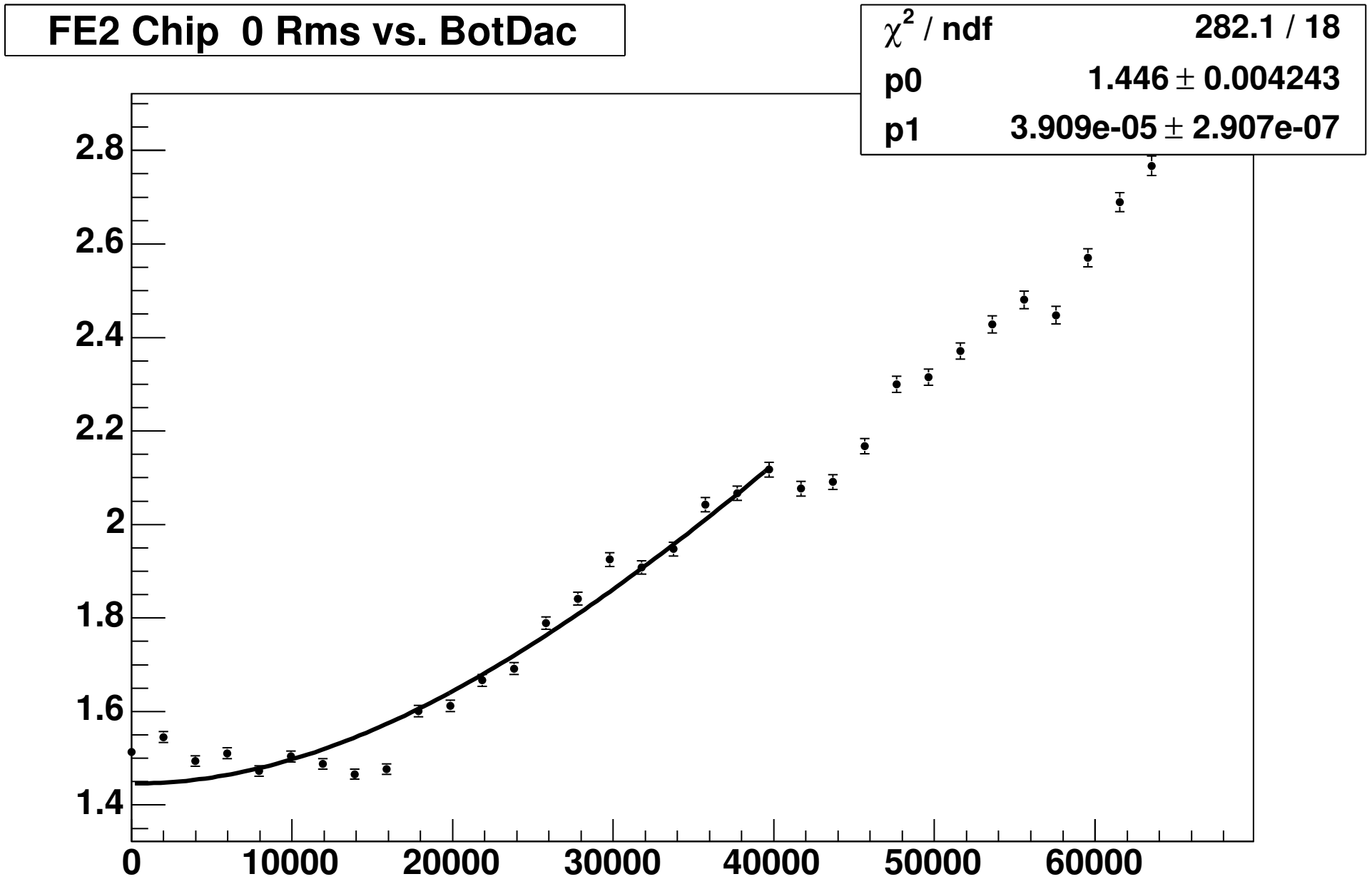

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 83.33 / 18
p0 14.84 ± 0.00768
p1 -5.028e-07 ± 3.241e-07
14.92
14.9
14.88
14.86
14.84
14.82
14.8
14.78
14.76
14.74
14.72
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 19.86 / 18
p0 1.554 ± 0.004004
p1 6.342e-06 ± 1.323e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 2.734e+04 / 18
p0 14.22 ± 0.007618
p1 0.4508 ± 3.548e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1523 / 18
p0 1.398 ± 0.004098
p1 3.606e-05 ± 2.883e-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 2.411e+04 / 18
p0 26.93 ± 0.00774
p1 0.4515 ± 3.633e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 282.1 / 18
p0 1.446 ± 0.004243
p1 3.909e-05 ± 2.907e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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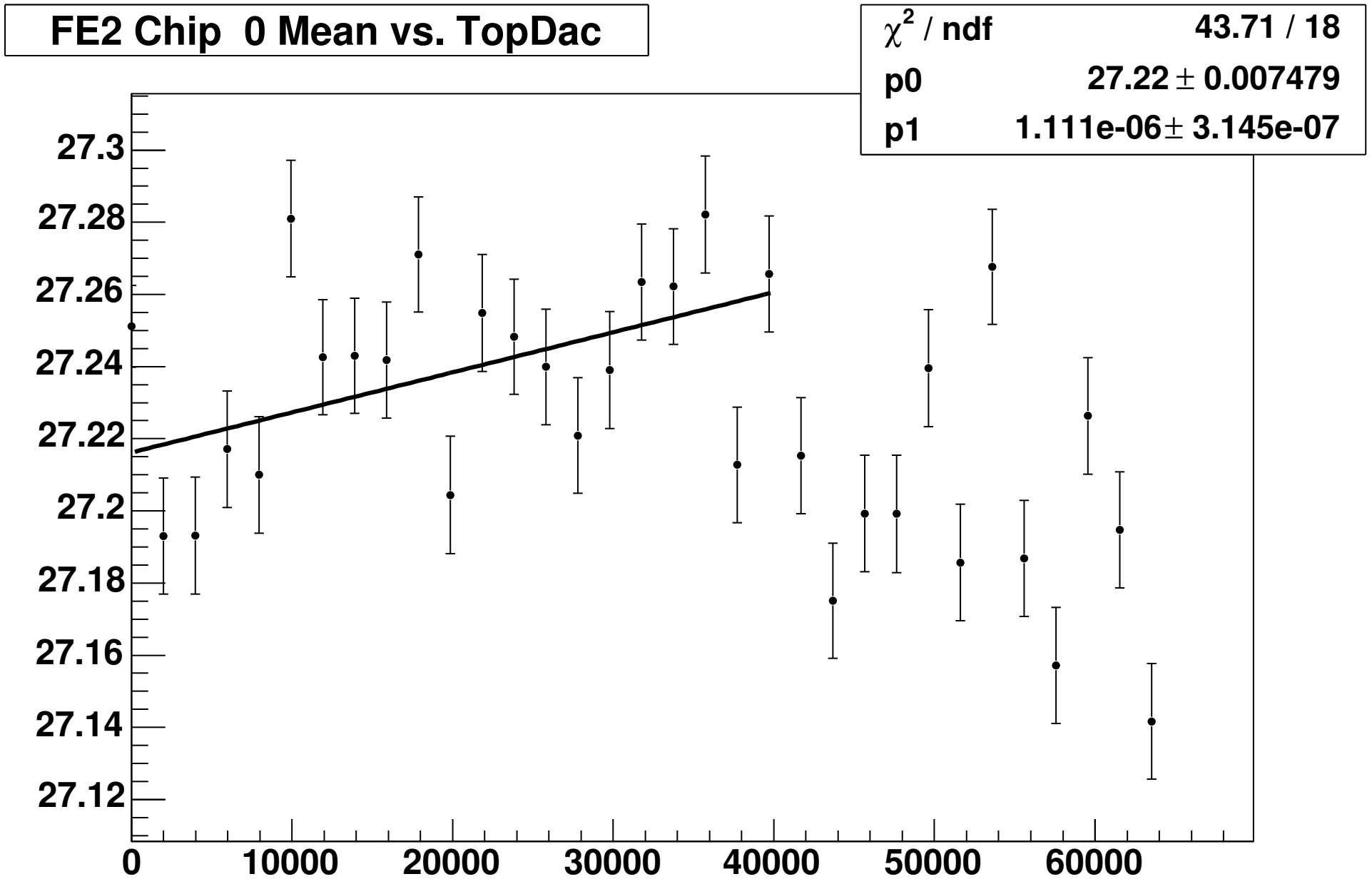
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 43.71 / 18
p0 27.22 ± 0.007479
p1 1.111e-06 ± 3.145e-07
27.3
27.28
27.26
27.24
27.22
27.2
27.18
27.16
27.14
27.12
0
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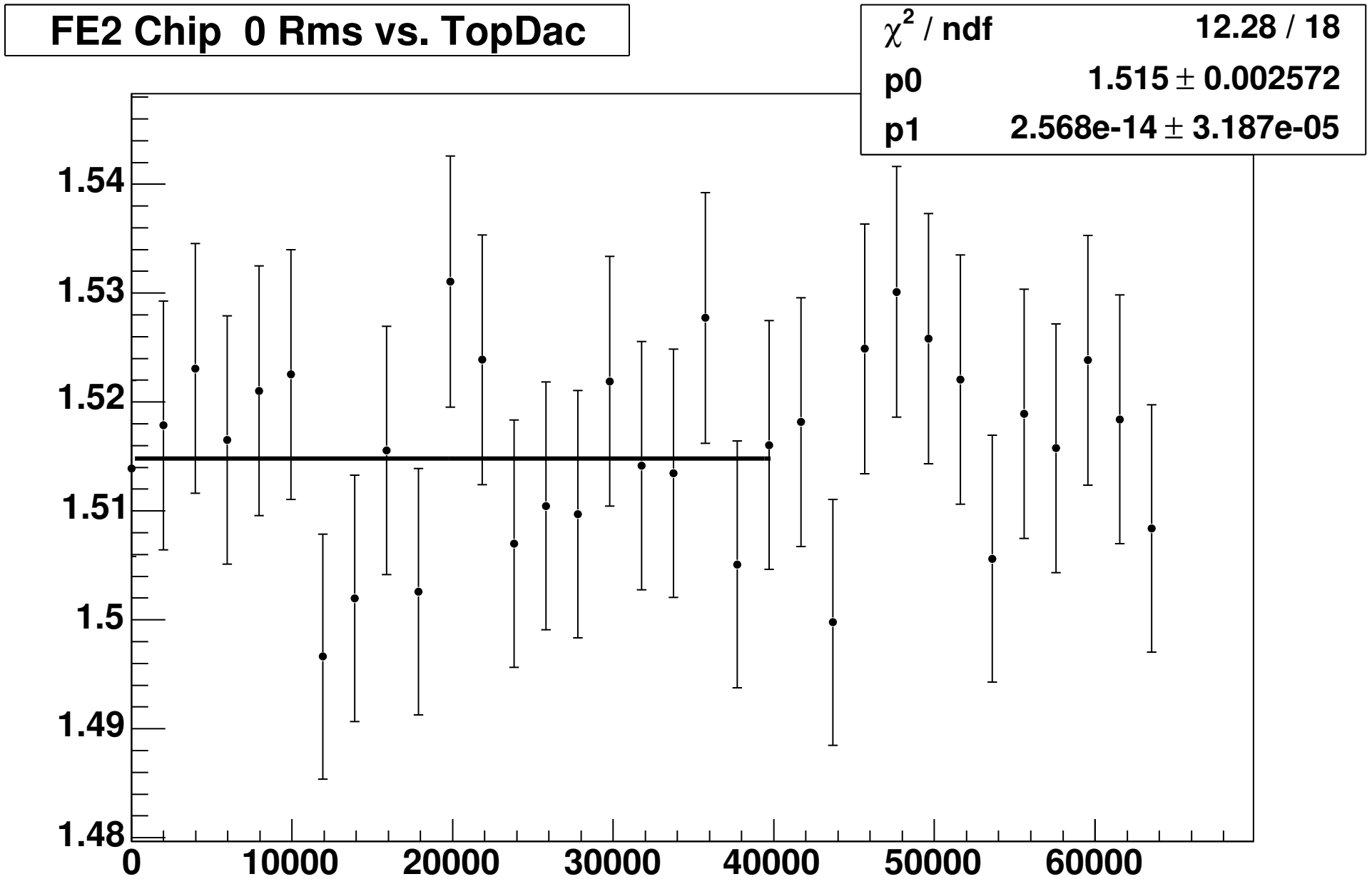
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 12.28 / 18
p0 1.515 ± 0.002572
p1 2.568e-14 ± 3.187e-05
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
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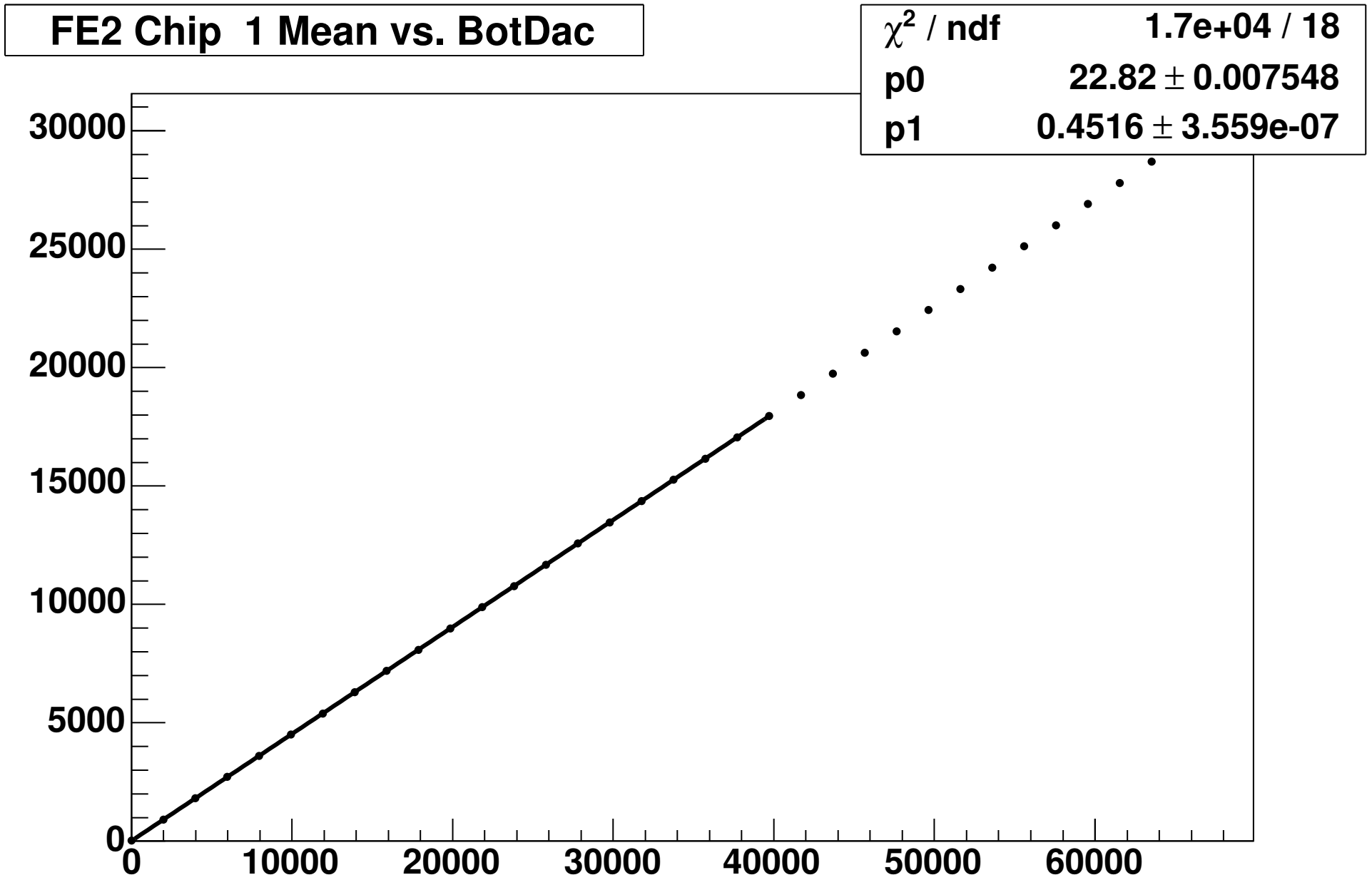
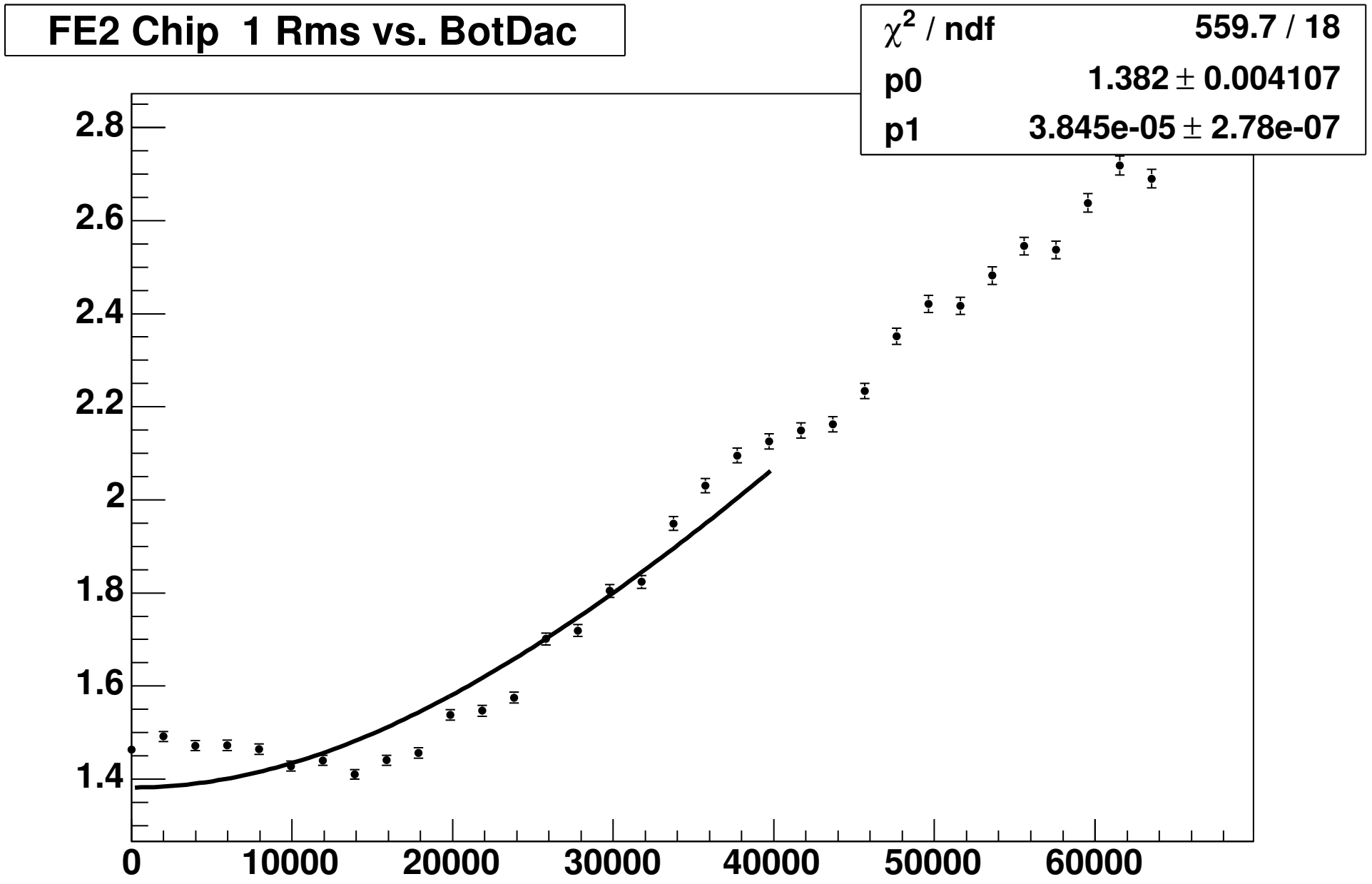

FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.7e+04 / 18
p0 22.82 ± 0.007548
p1 0.4516 ± 3.559e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 559.7 / 18
p0 1.382 ± 0.004107
p1 3.845e-05 ± 2.78e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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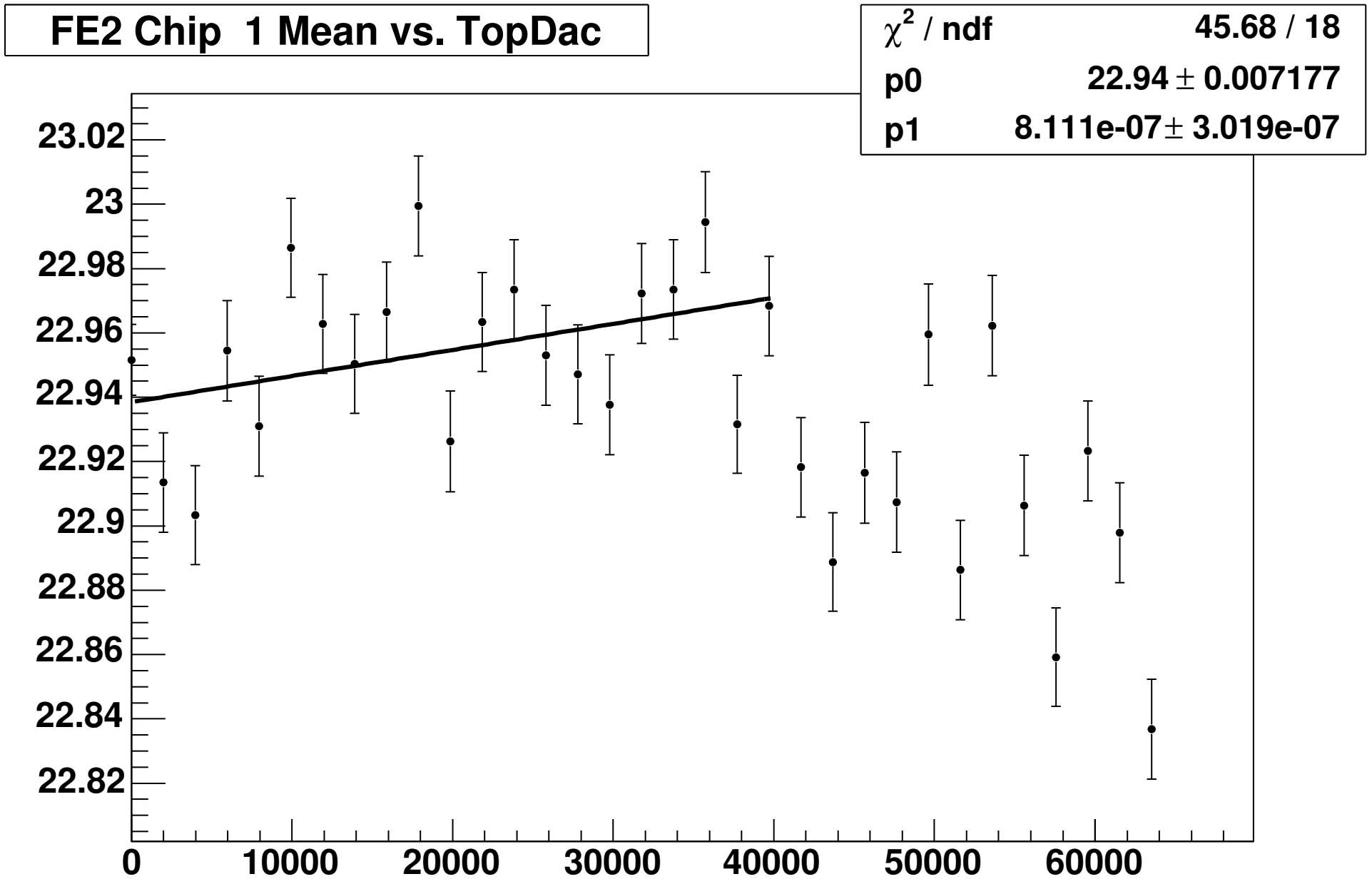
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 45.68 / 18
p0 22.94 ± 0.007177
p1 8.111e-07 ± 3.019e-07
23.02
23
22.98
22.96
22.94
22.92
22.9
22.88
22.86
22.84
22.82
0
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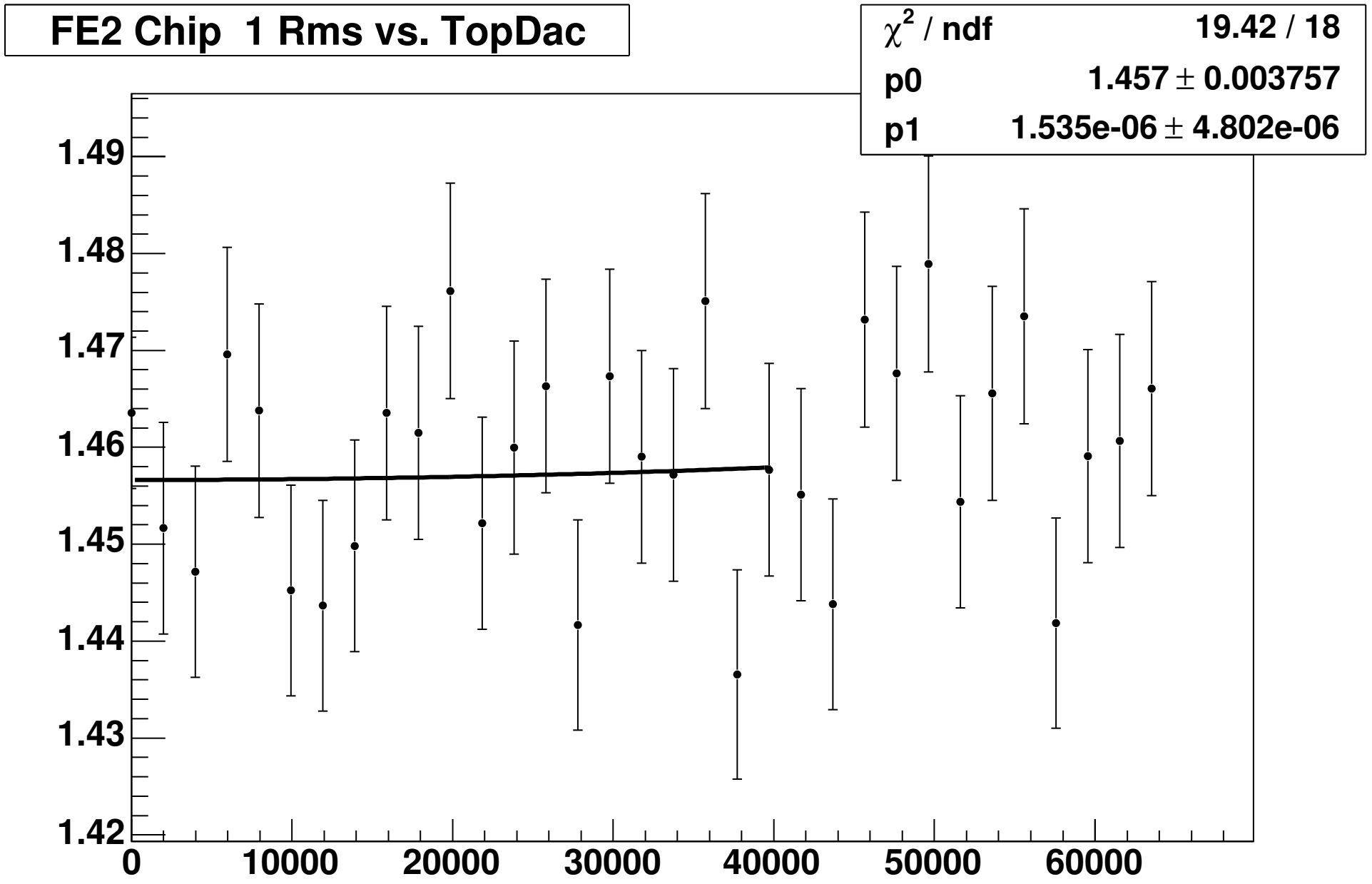
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 19.42 / 18
p0 1.457 ± 0.003757
p1 1.535e-06 ± 4.802e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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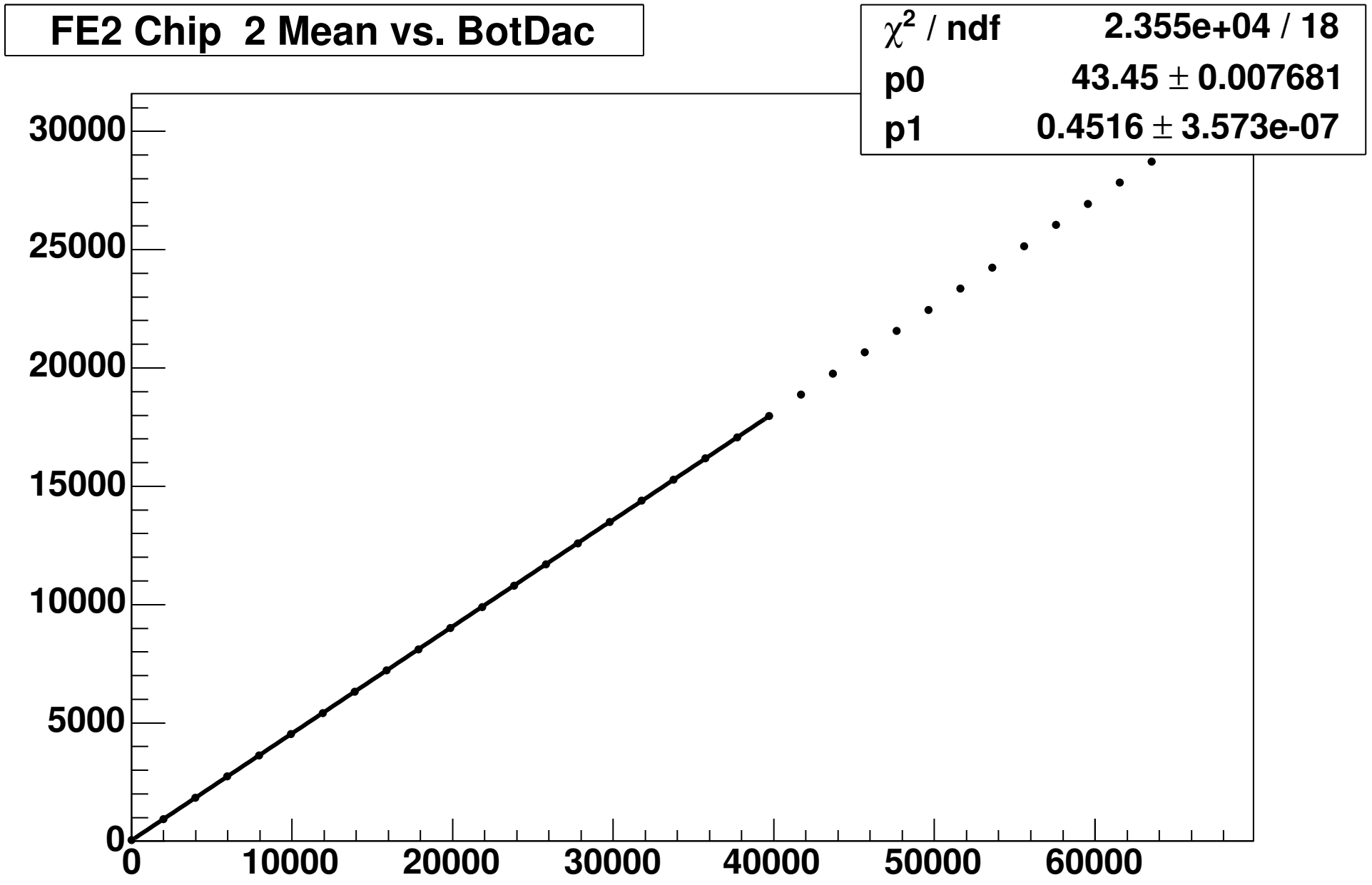
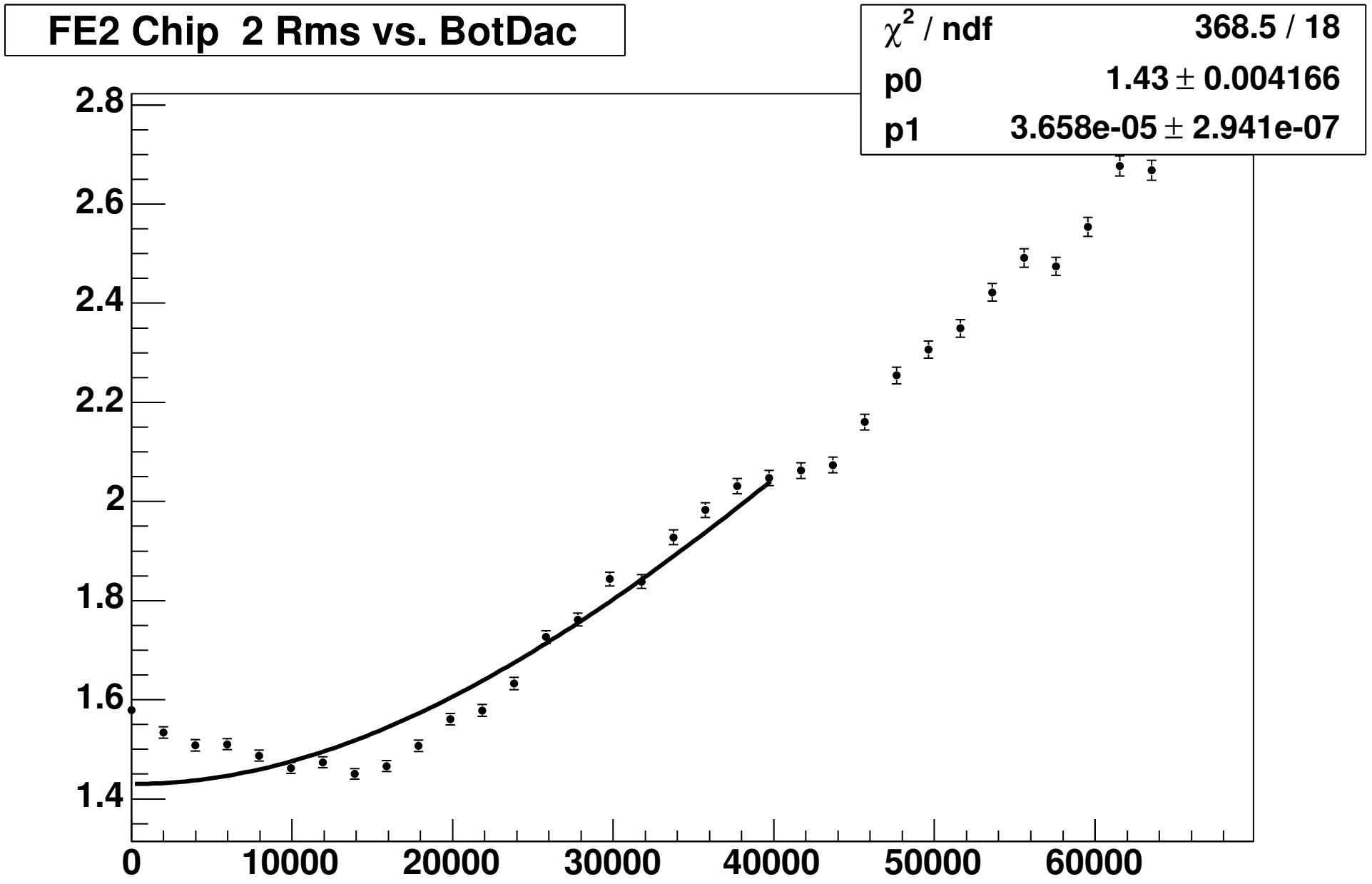
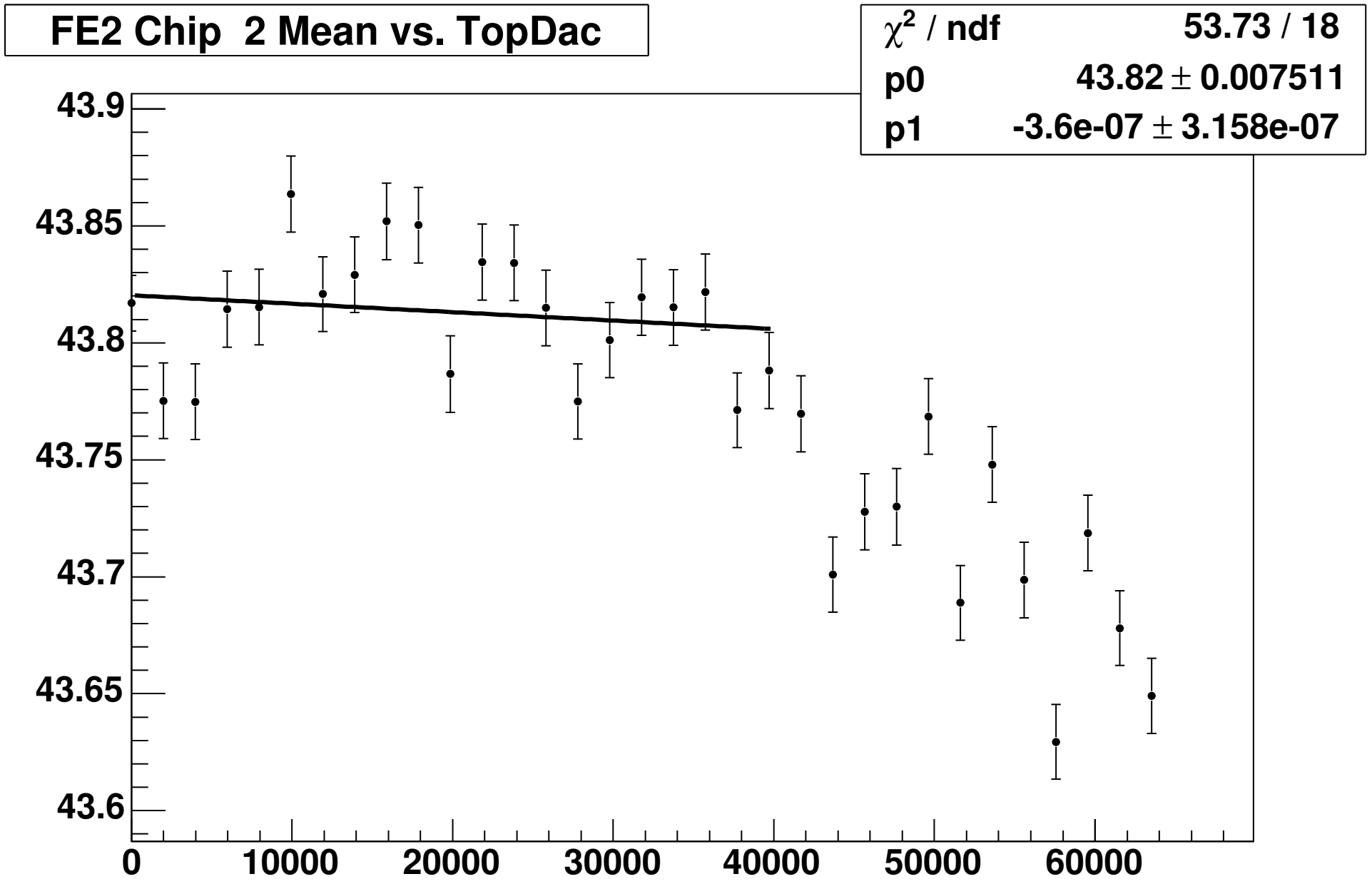
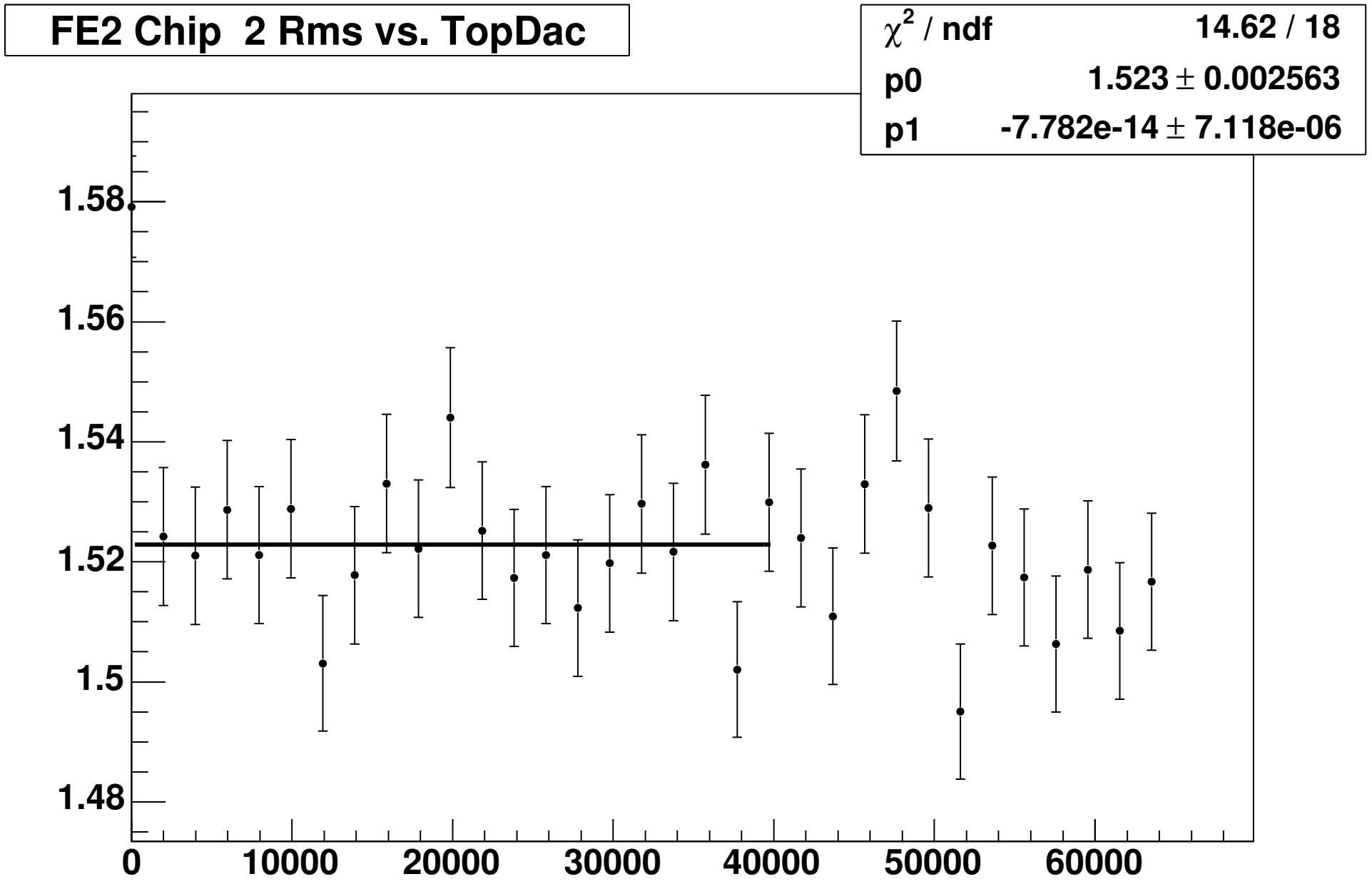

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 2.355e+04 / 18
p0 43.45 ± 0.007681
p1 0.4516 ± 3.573e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 368.5 / 18
p0 1.43 ± 0.004166
p1 3.658e-05 ± 2.941e-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 2 Mean vs. TopDac
χ² / ndf 53.73 / 18
p0 43.82 ± 0.007511
p1 -3.6e-07 ± 3.158e-07
43.9
43.85
43.8
43.75
43.7
43.65
43.6
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 14.62 / 18
p0 1.523 ± 0.002563
p1 -7.782e-14 ± 7.118e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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30000
40000
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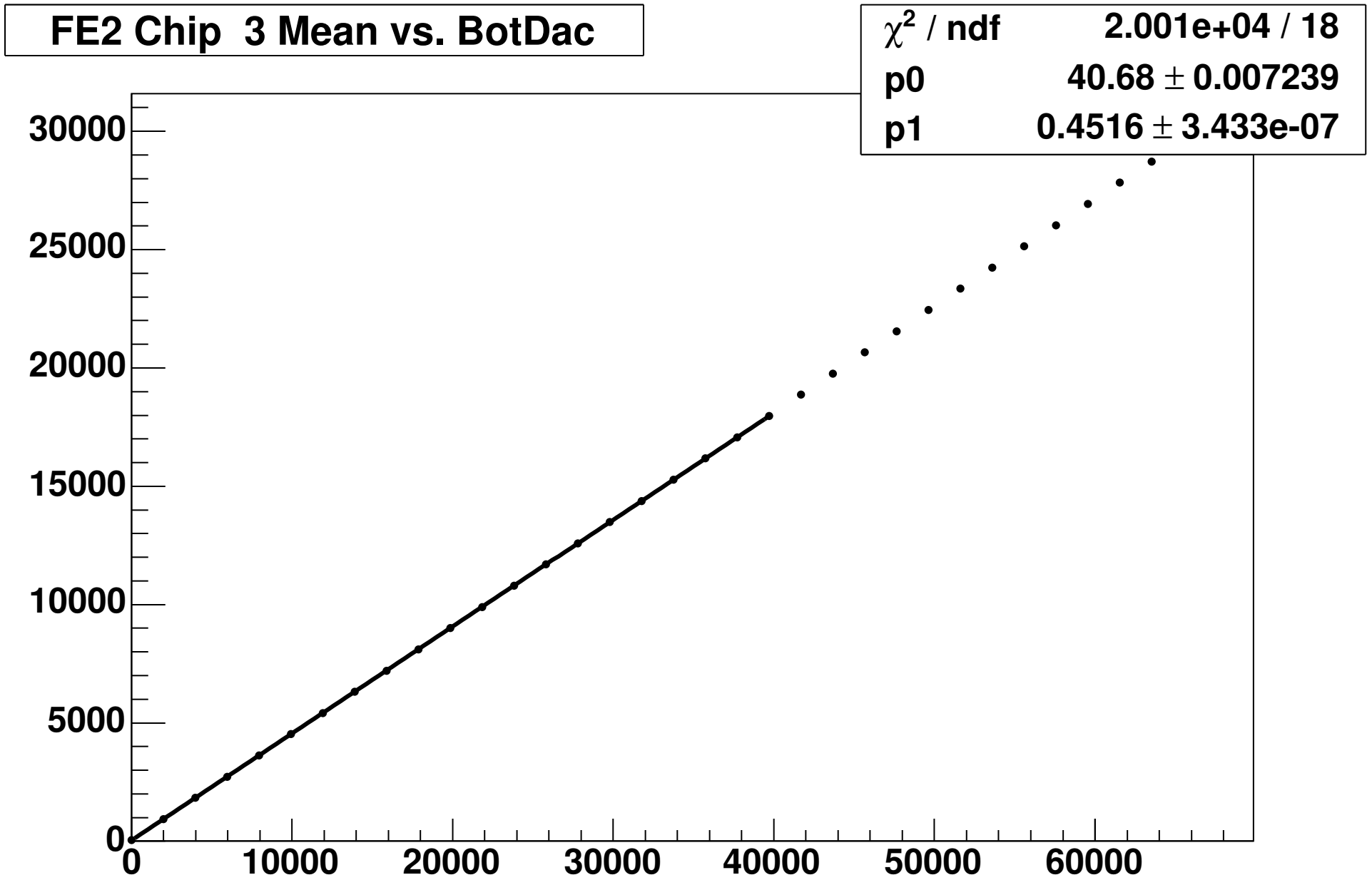
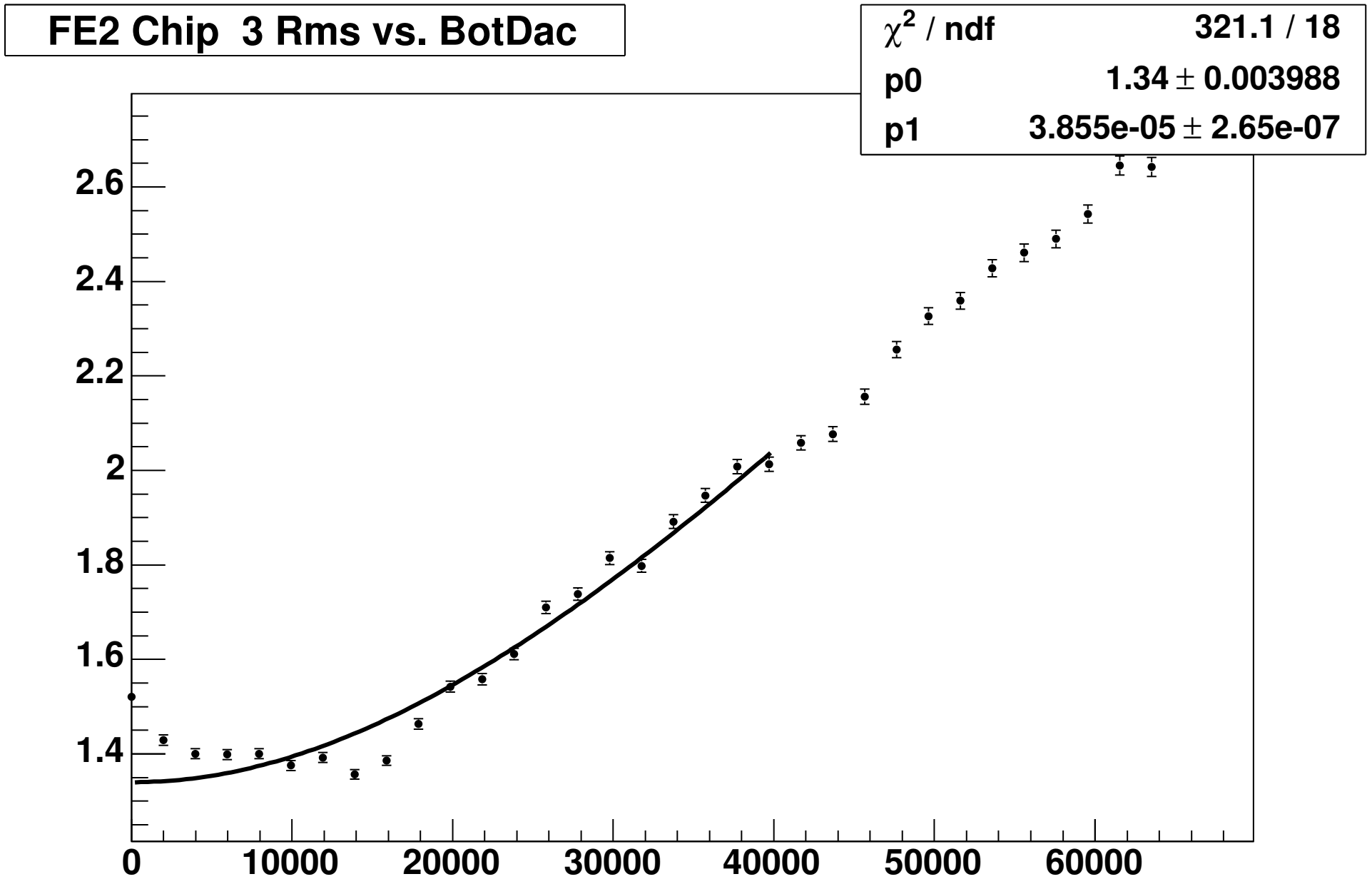
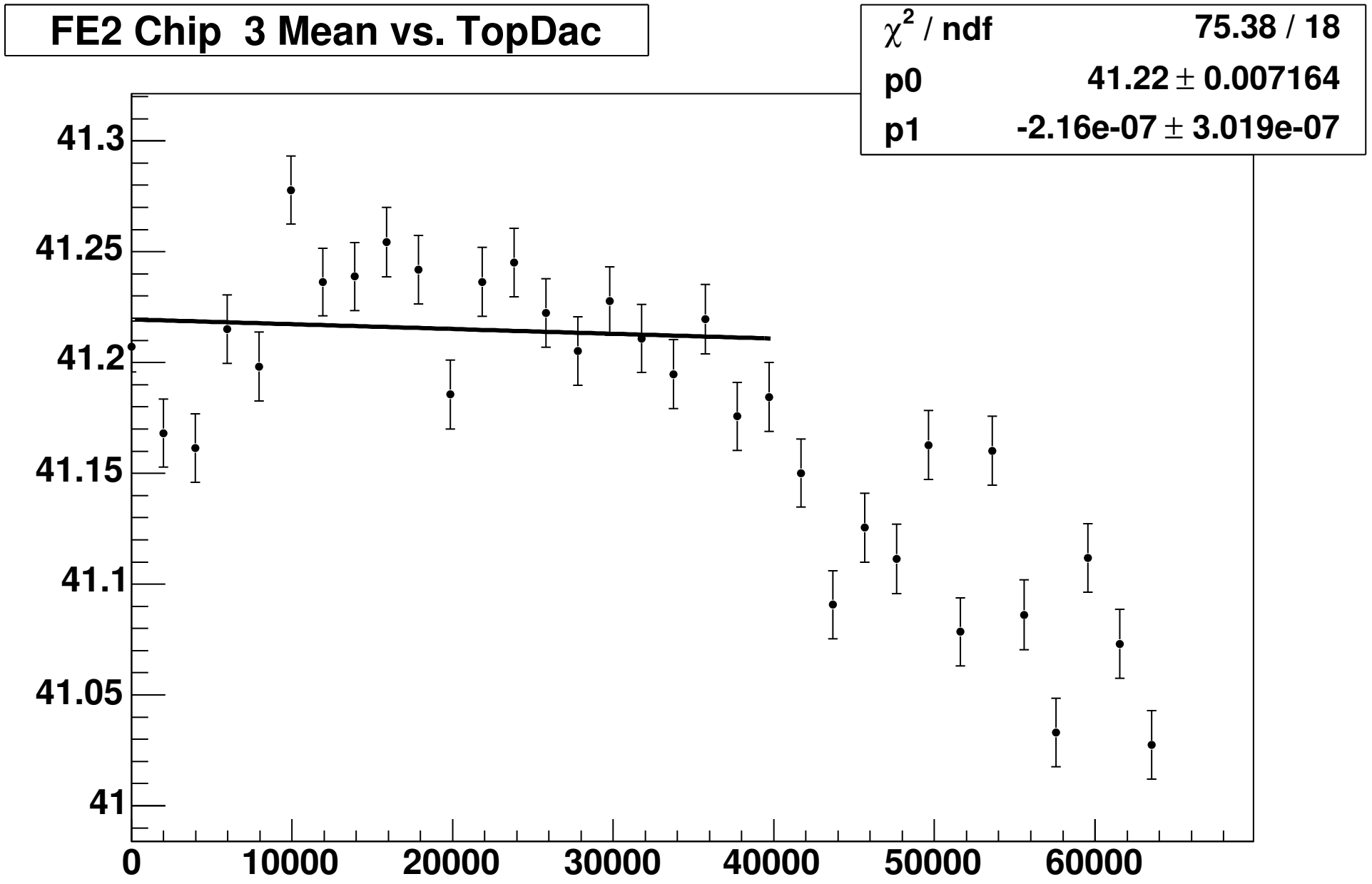
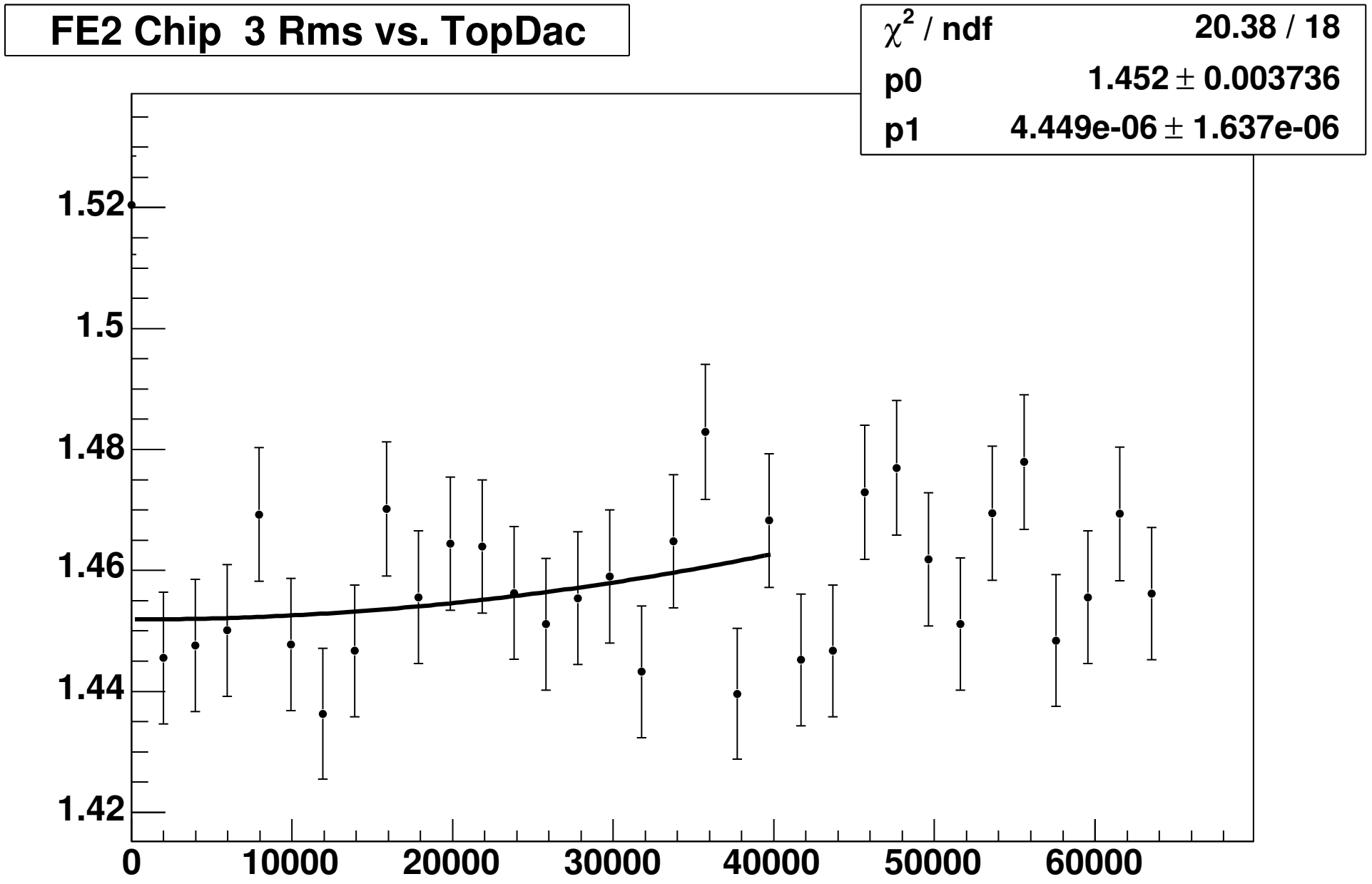
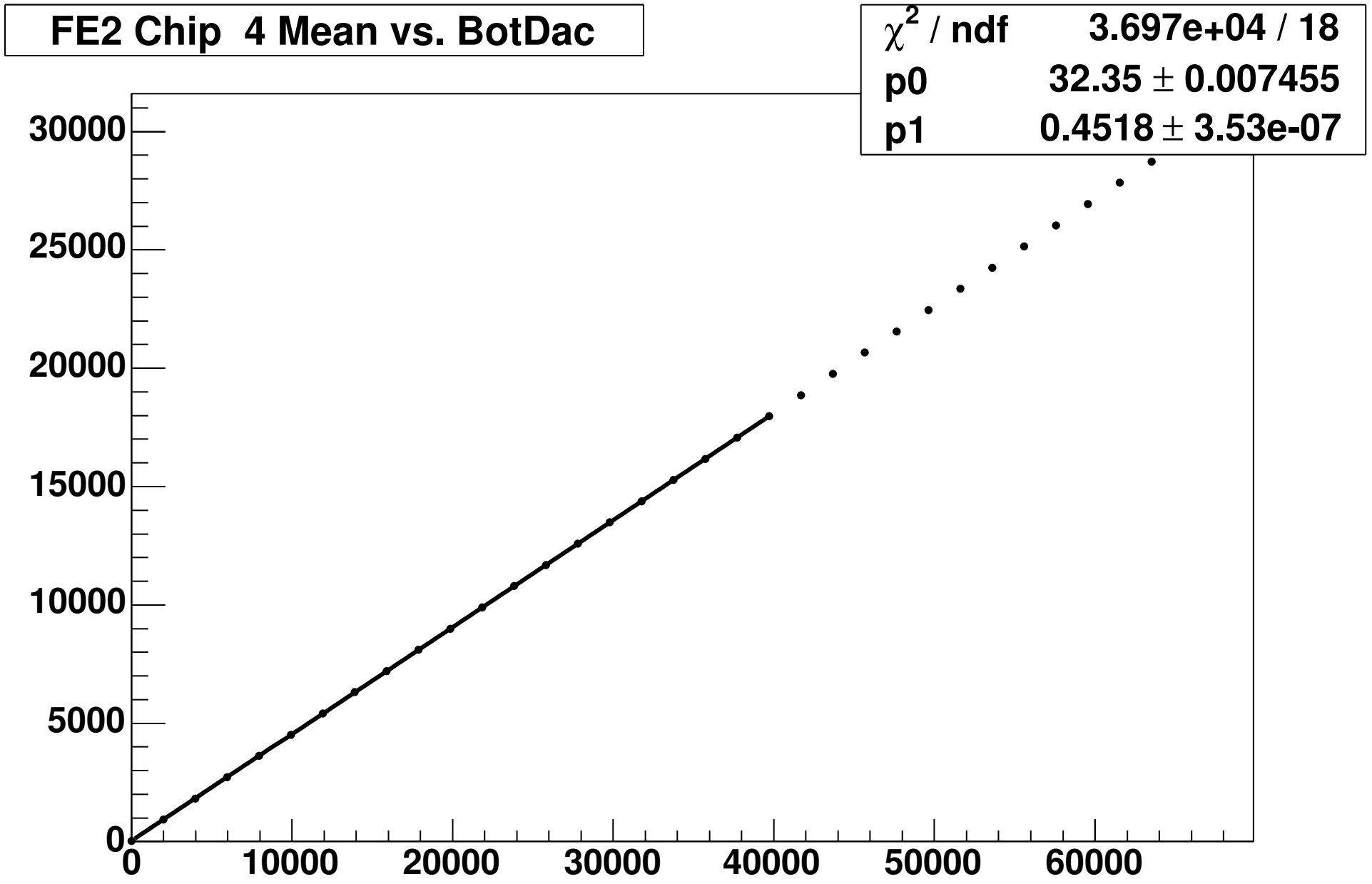
60000

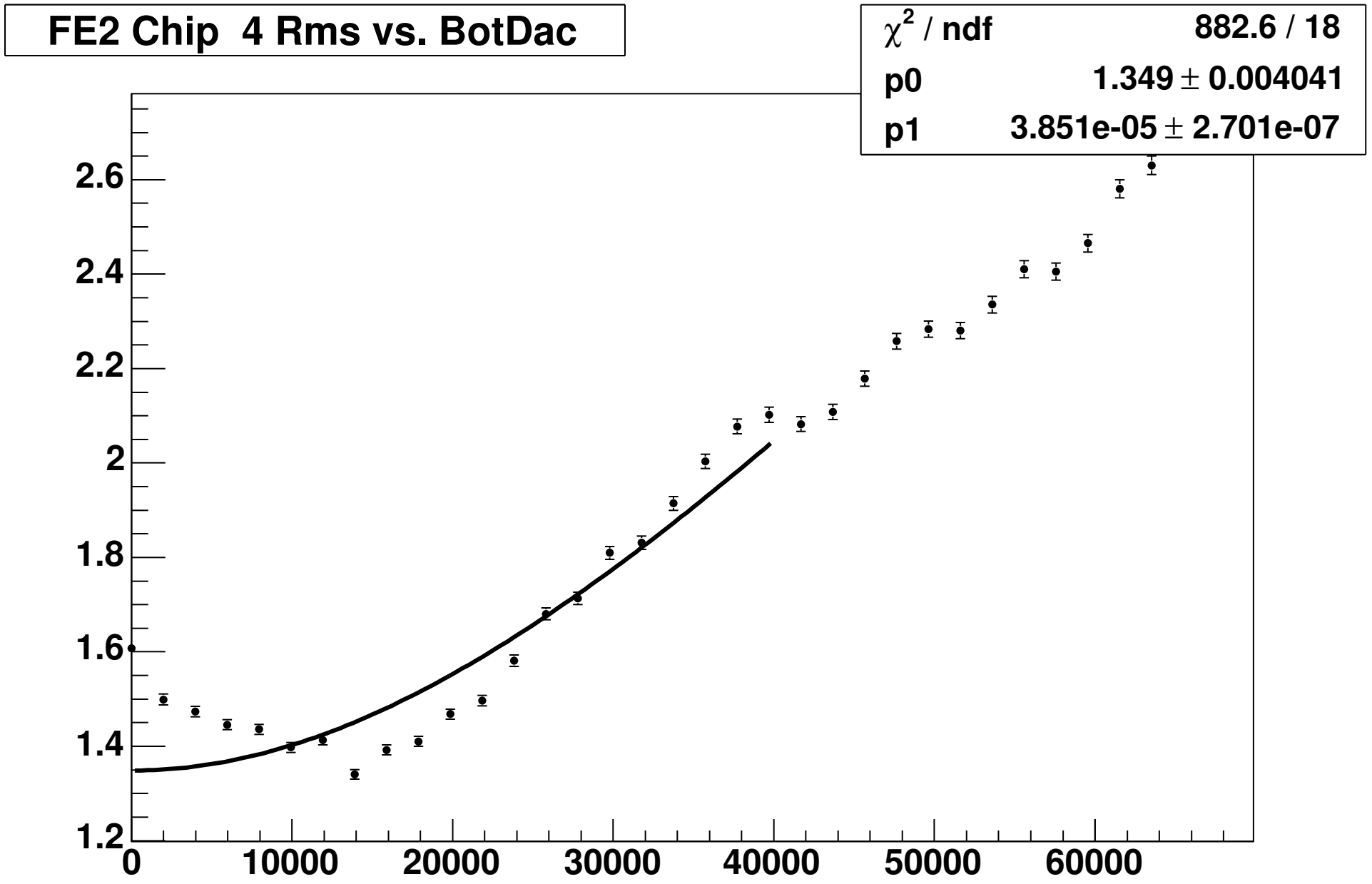

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2.001e+04 / 18
p0 40.68 ± 0.007239
p1 0.4516 ± 3.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

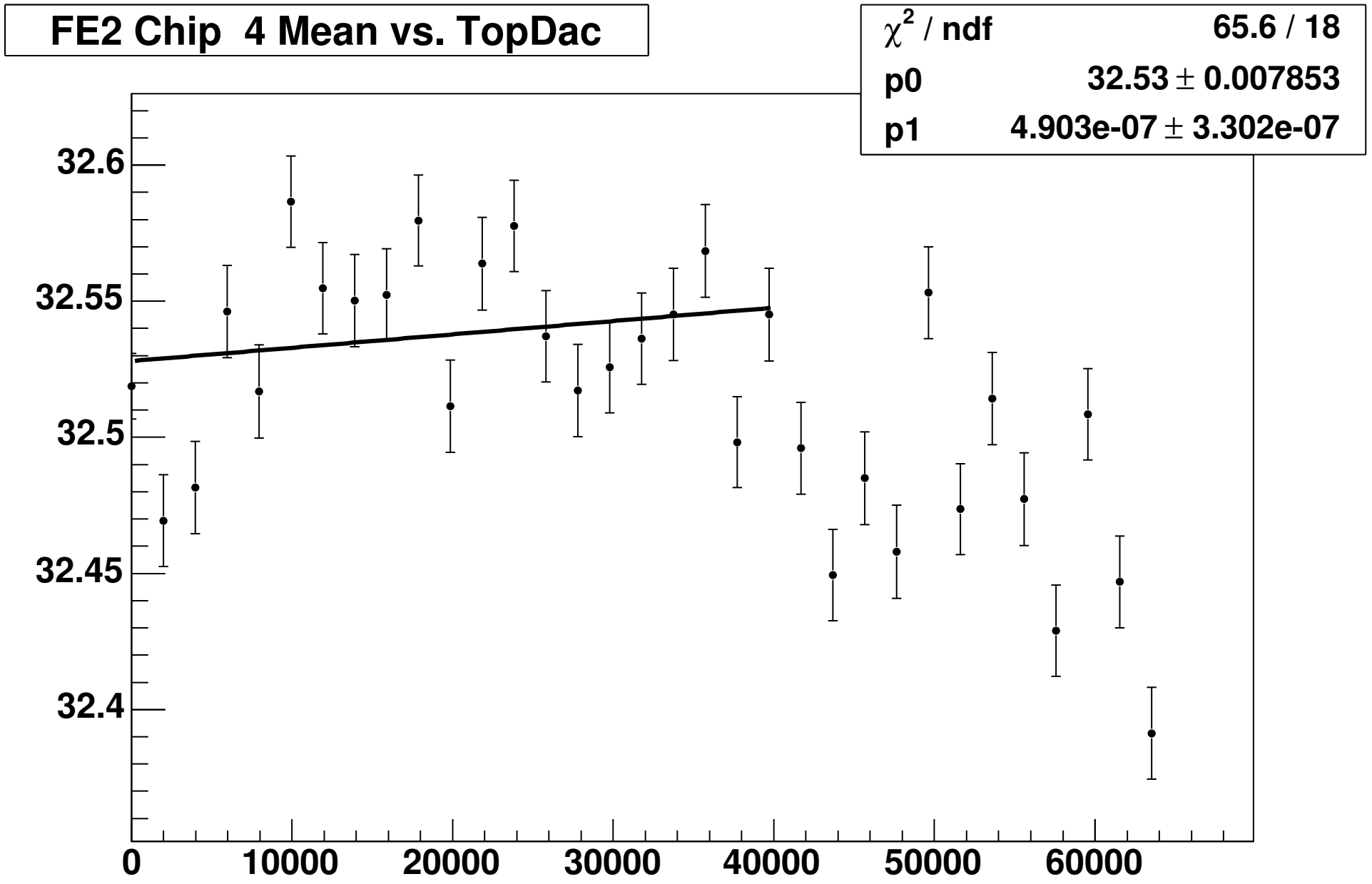

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 321.1 / 18
p0 1.34 ± 0.003988
p1 3.855e-05 ± 2.65e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

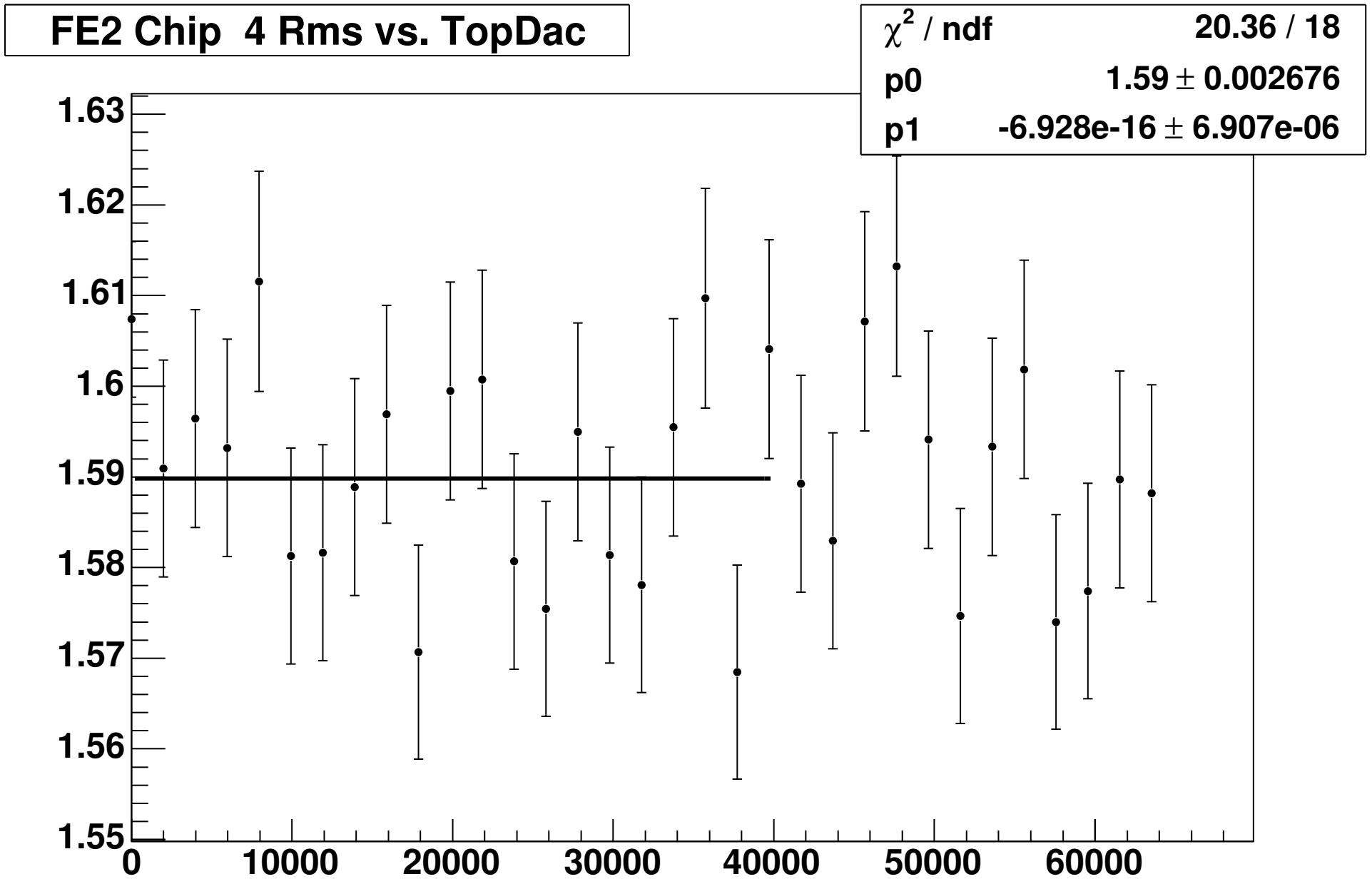

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 75.38 / 18
p0 41.22 ± 0.007164
p1 -2.16e-07 ± 3.019e-07
41.3
41.25
41.2
41.15
41.1
41.05
41
0
10000
20000
30000
40000
50000
60000

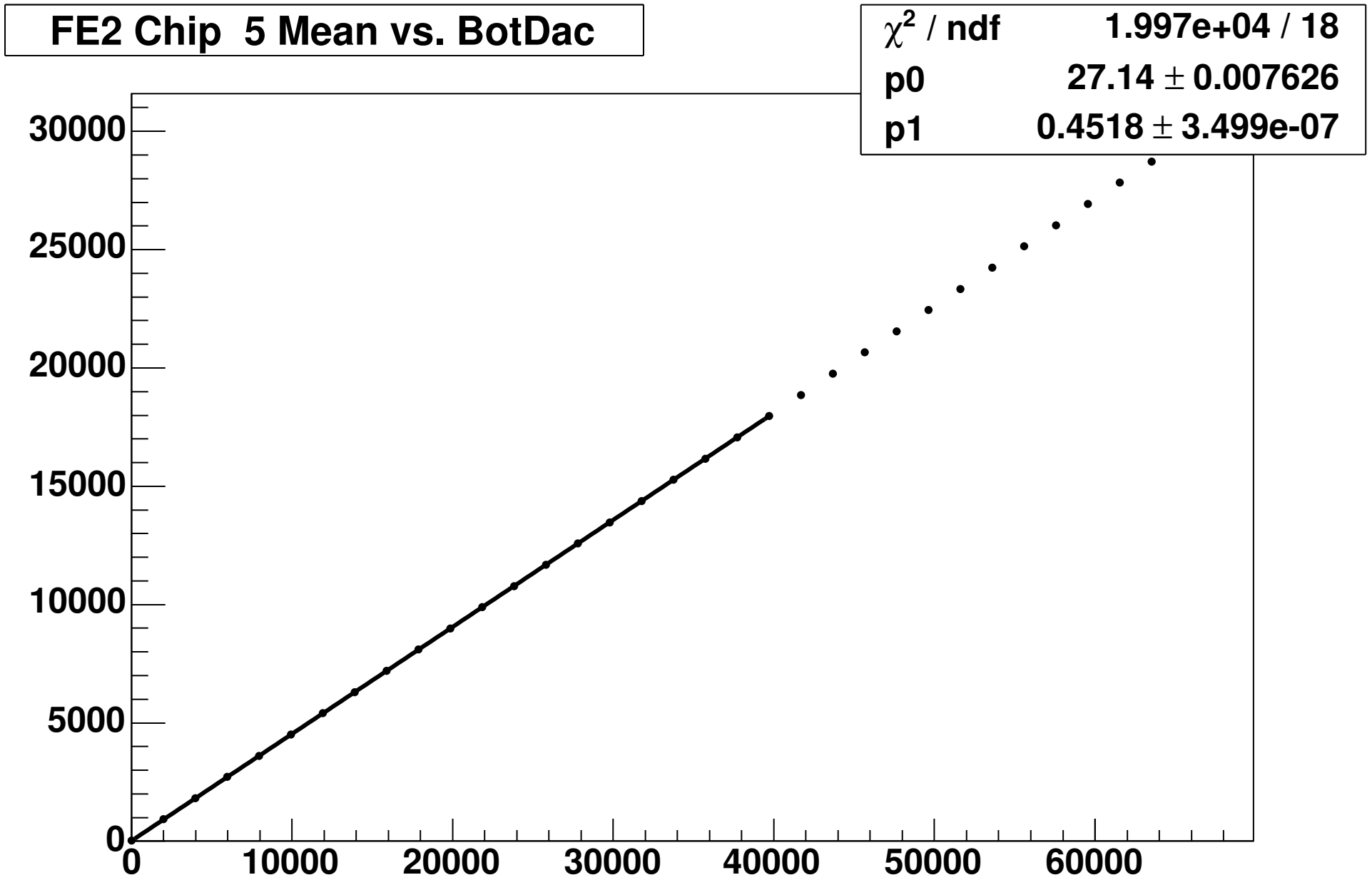

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 20.38 / 18
p0 1.452 ± 0.003736
p1 4.449e-06 ± 1.637e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

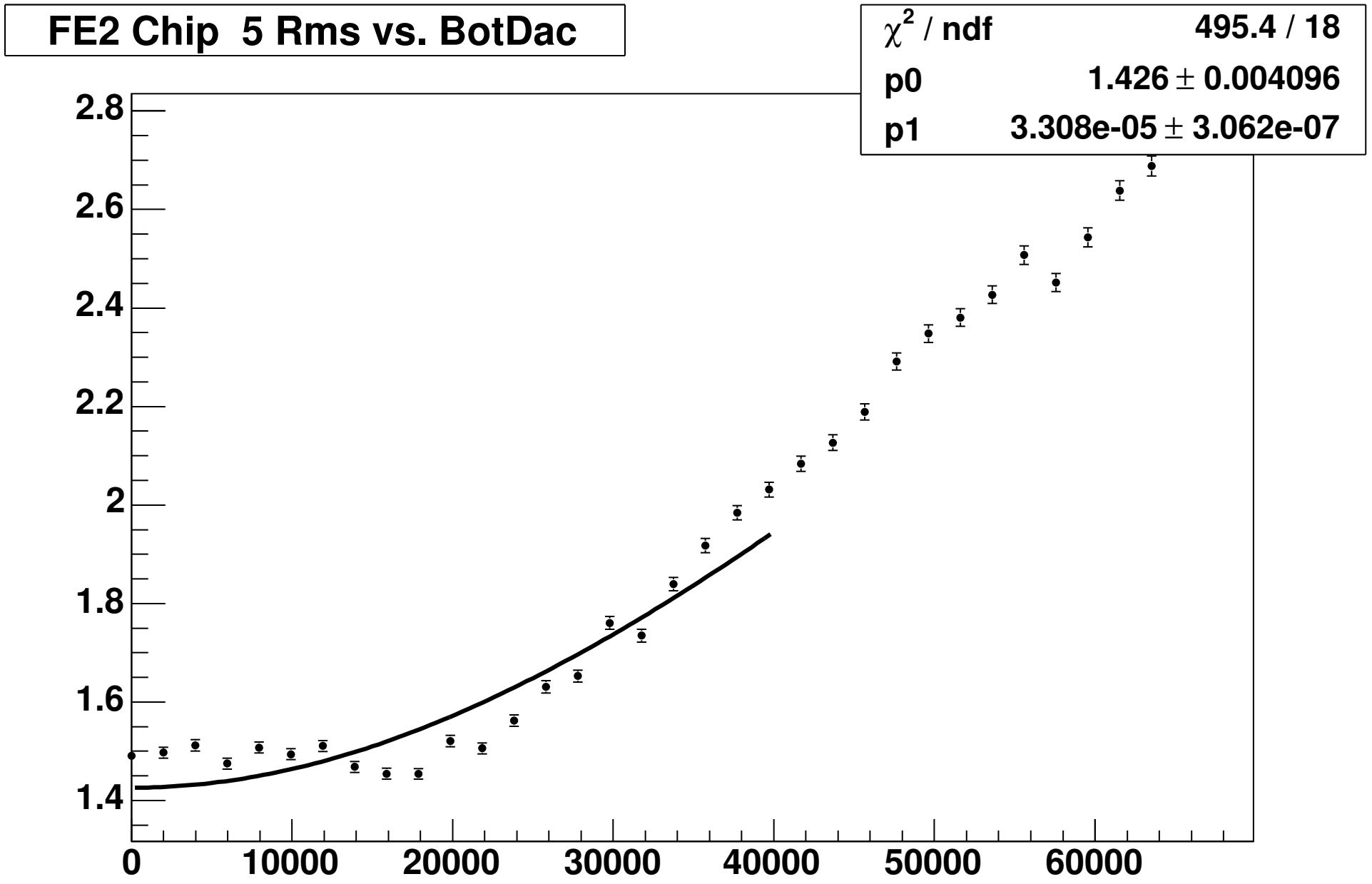

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 3.697e+04 / 18
p0 32.35 ± 0.007455
p1 0.4518 ± 3.53e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 882.6 / 18
p0 1.349 ± 0.004041
p1 3.851e-05 ± 2.701e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 65.6 / 18
p0 32.53 ± 0.007853
p1 4.903e-07 ± 3.302e-07
32.6
32.55
32.5
32.45
32.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 20.36 / 18
p0 1.59 ± 0.002676
p1 -6.928e-16 ± 6.907e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.997e+04 / 18
p0 27.14 ± 0.007626
p1 0.4518 ± 3.499e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 495.4 / 18
p0 1.426 ± 0.004096
p1 3.308e-05 ± 3.062e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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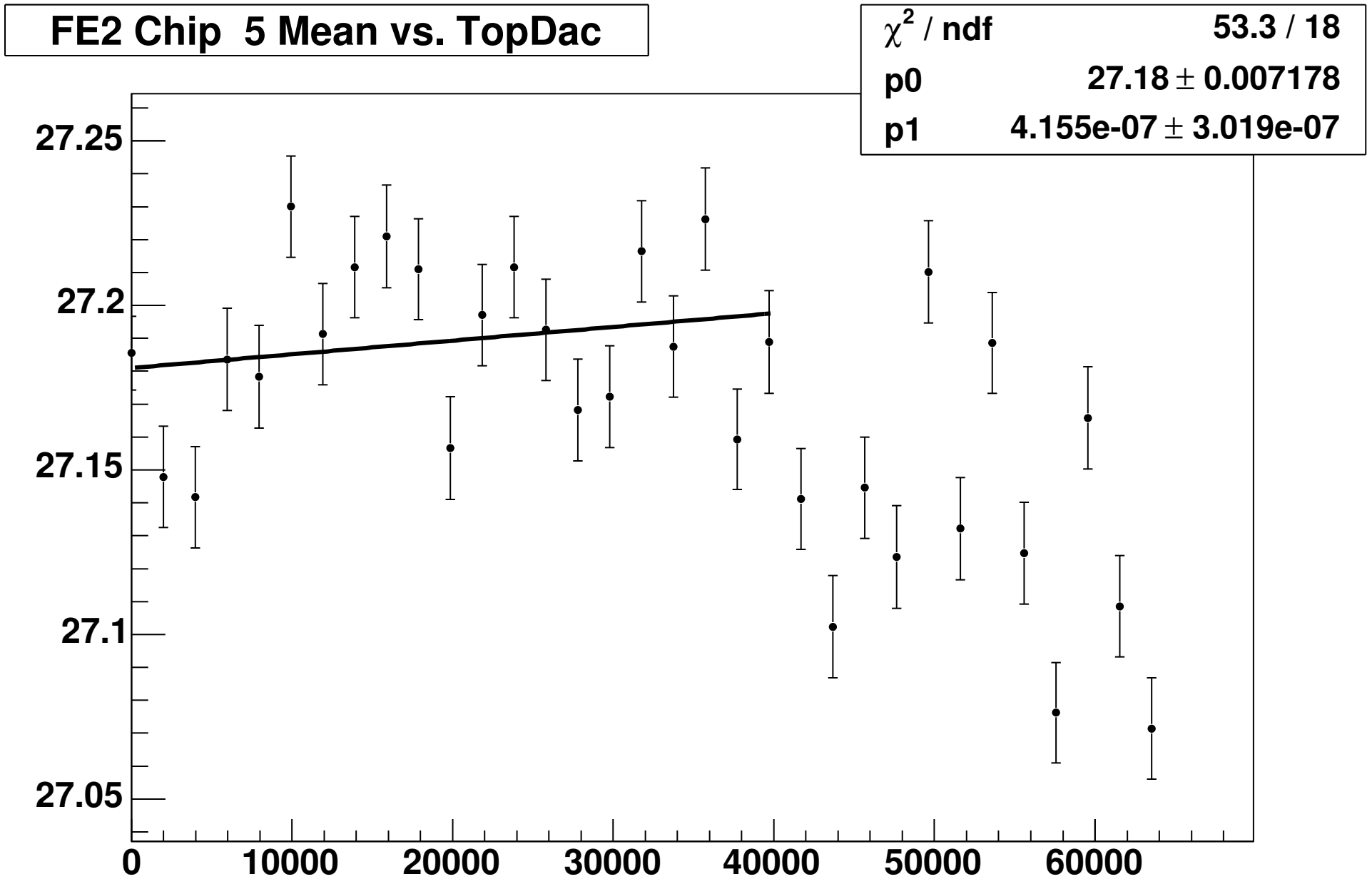
60000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 53.3 / 18
p0 27.18 ± 0.007178
p1 4.155e-07 ± 3.019e-07
27.25
27.2
27.15
27.1
27.05
0
10000
20000
30000
40000
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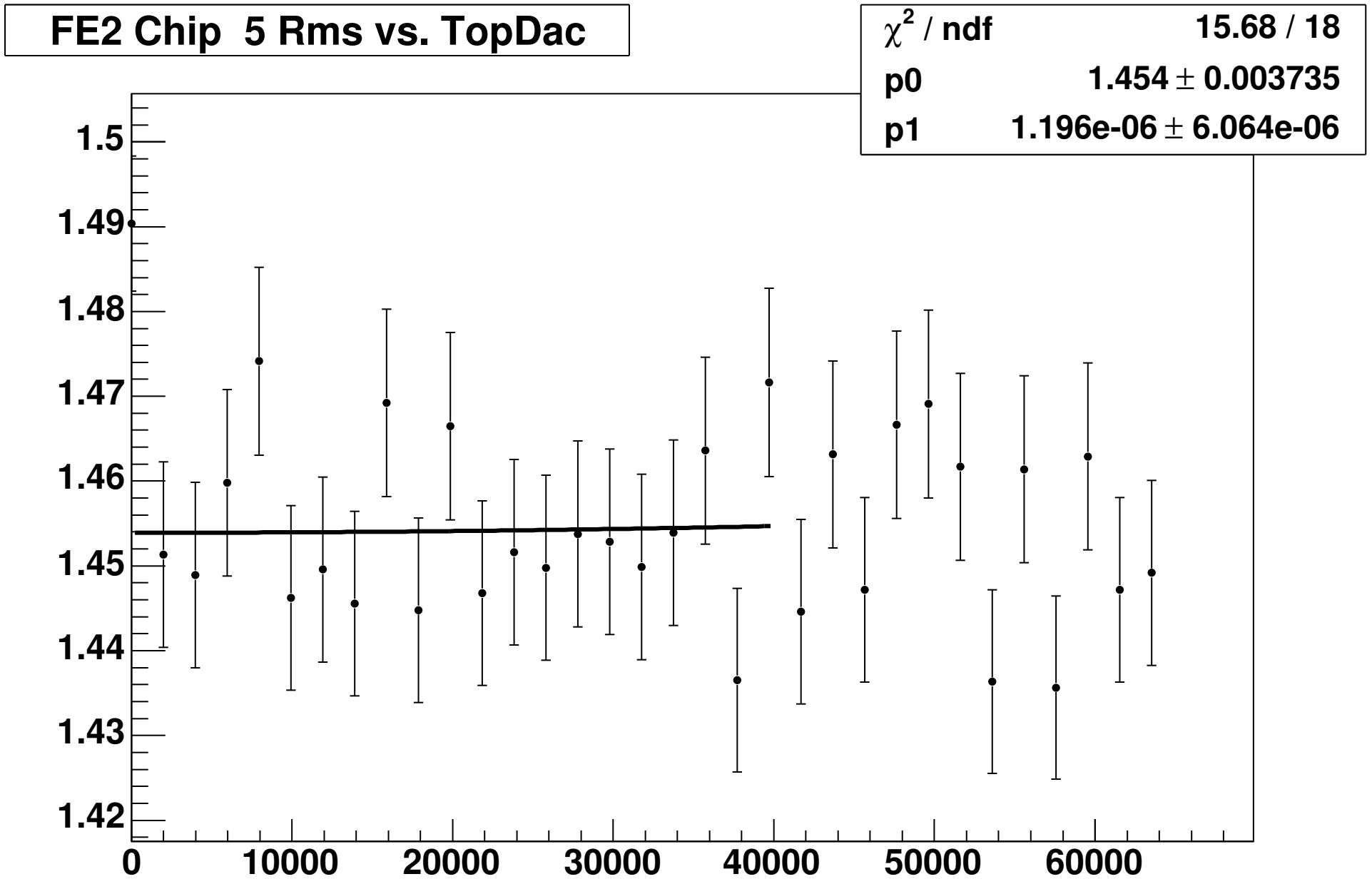
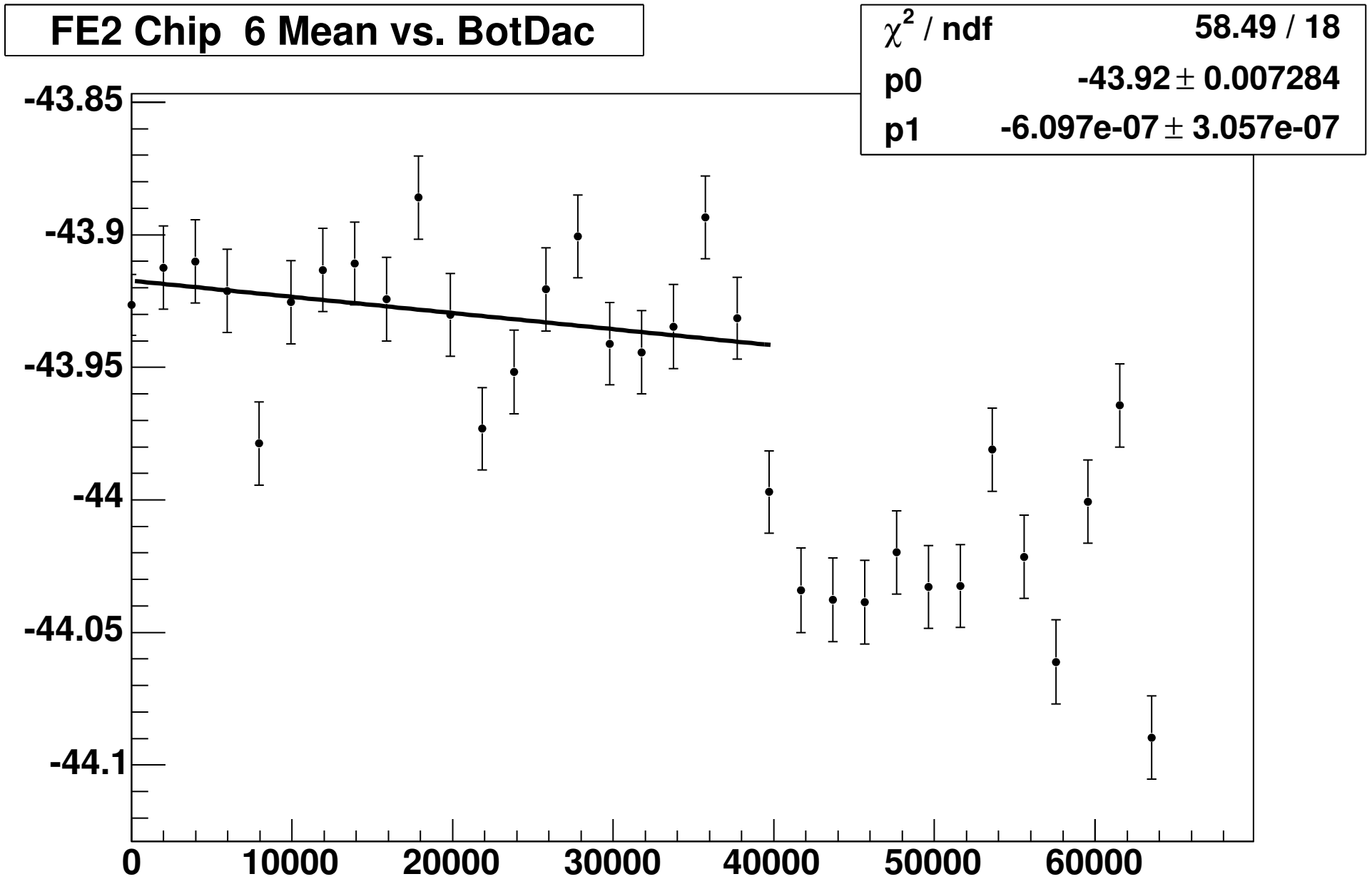
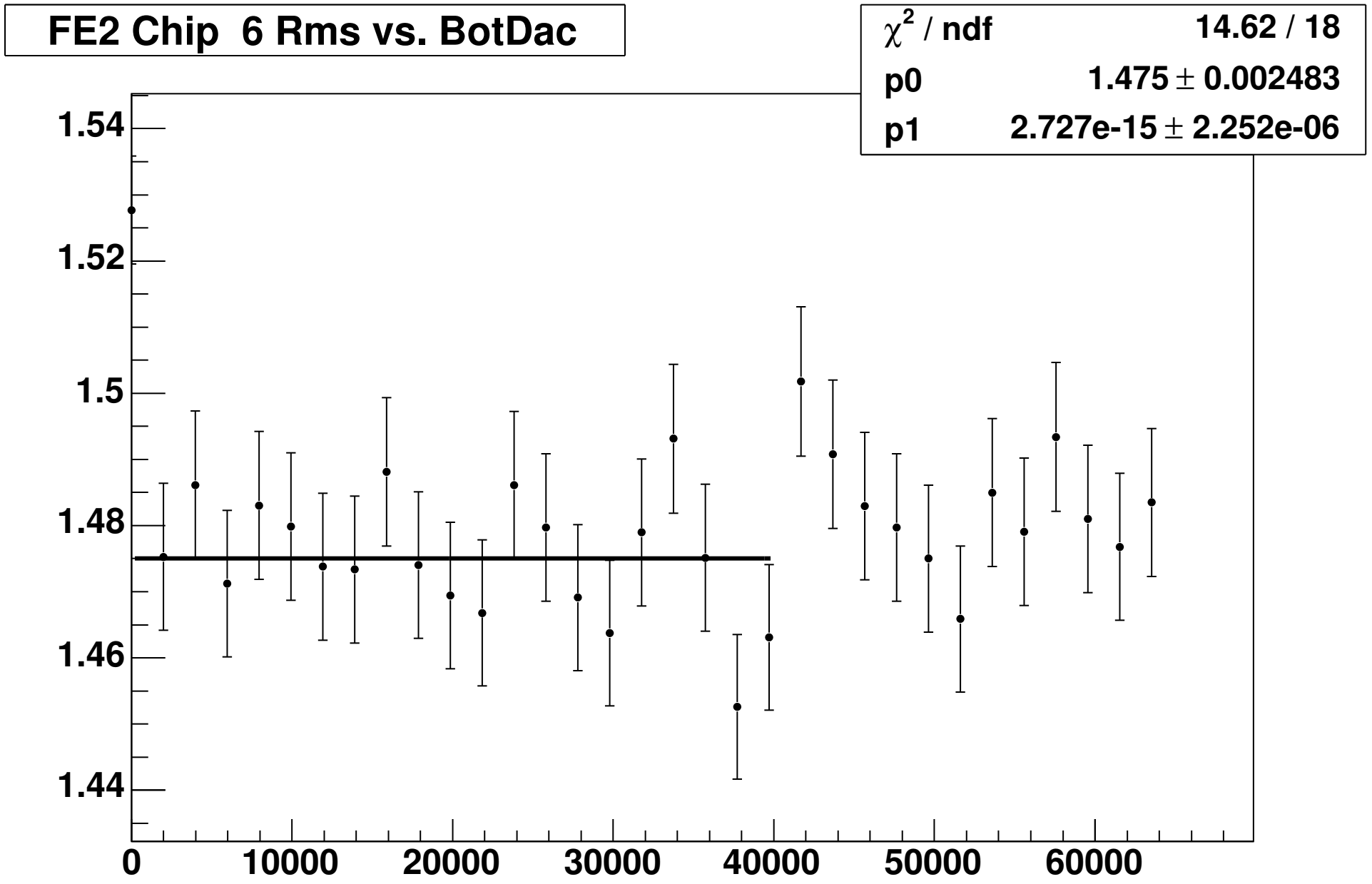
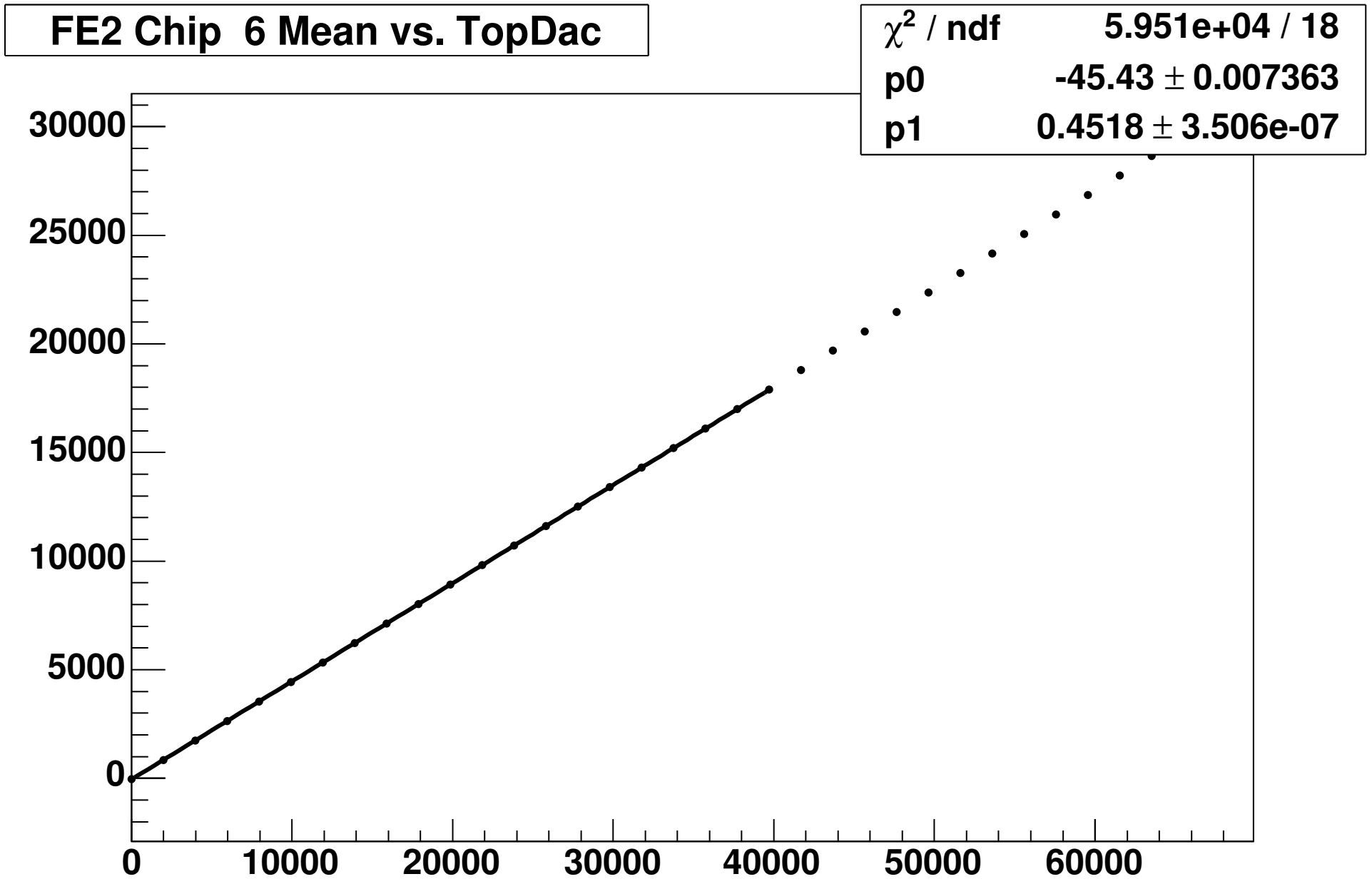
60000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 15.68 / 18
p0 1.454 ± 0.003735
p1 1.196e-06 ± 6.064e-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


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 58.49 / 18
p0 -43.92 ± 0.007284
p1 -6.097e-07 ± 3.057e-07
-43.85
-43.9
-43.95
-44
-44.05
-44.1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 14.62 / 18
p0 1.475 ± 0.002483
p1 2.727e-15 ± 2.252e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 5.951e+04 / 18
p0 -45.43 ± 0.007363
p1 0.4518 ± 3.506e-07
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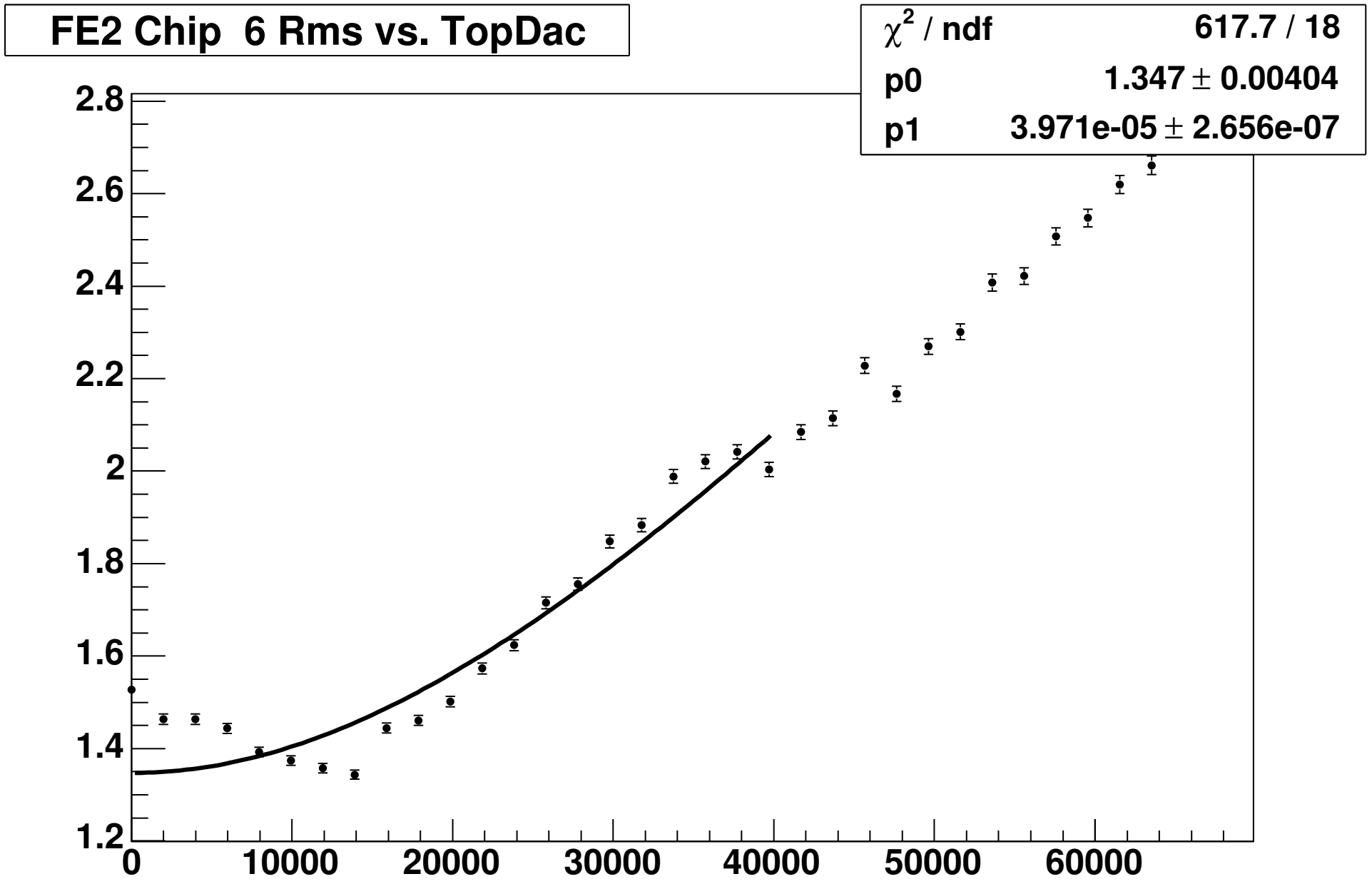
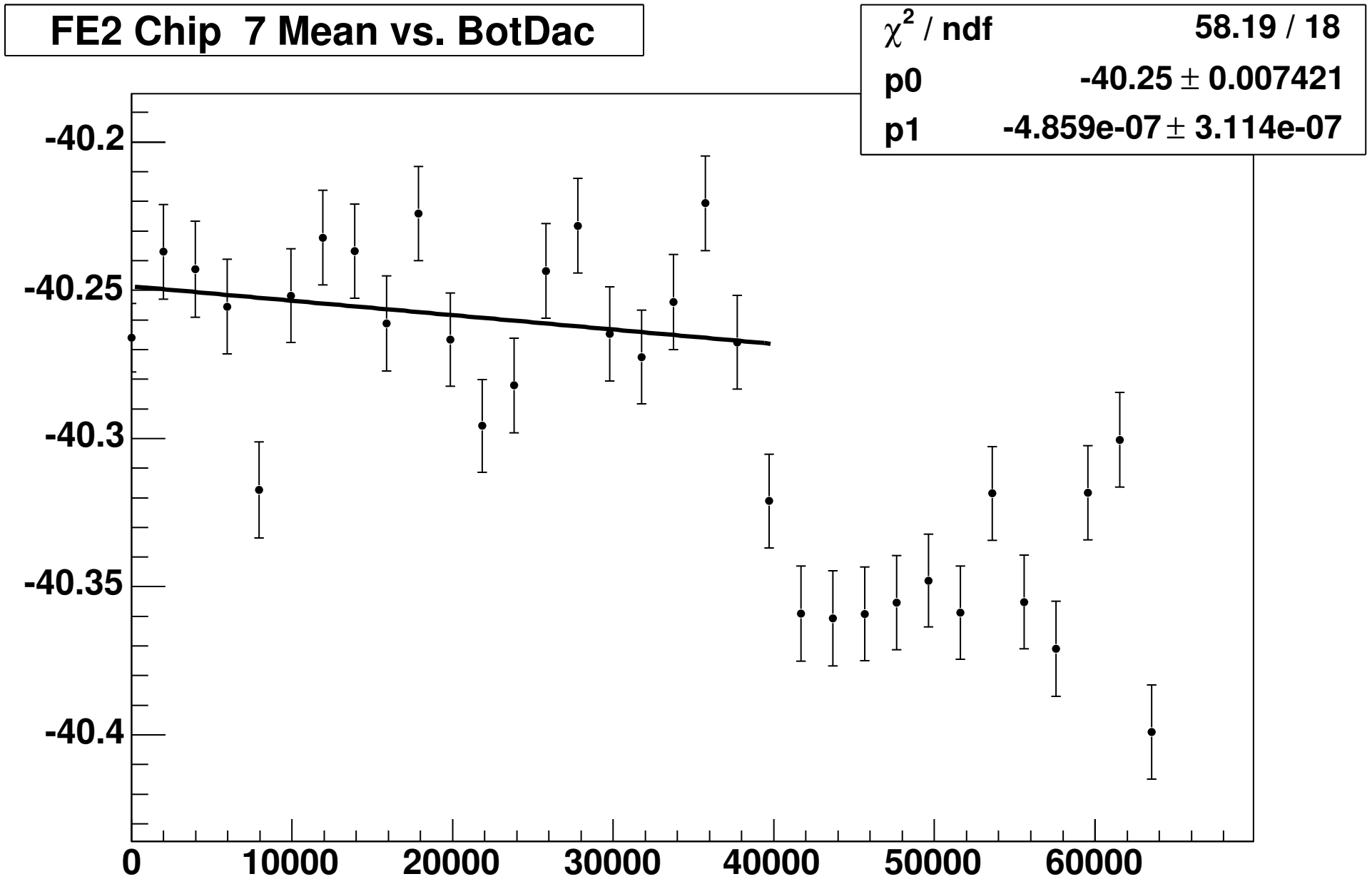
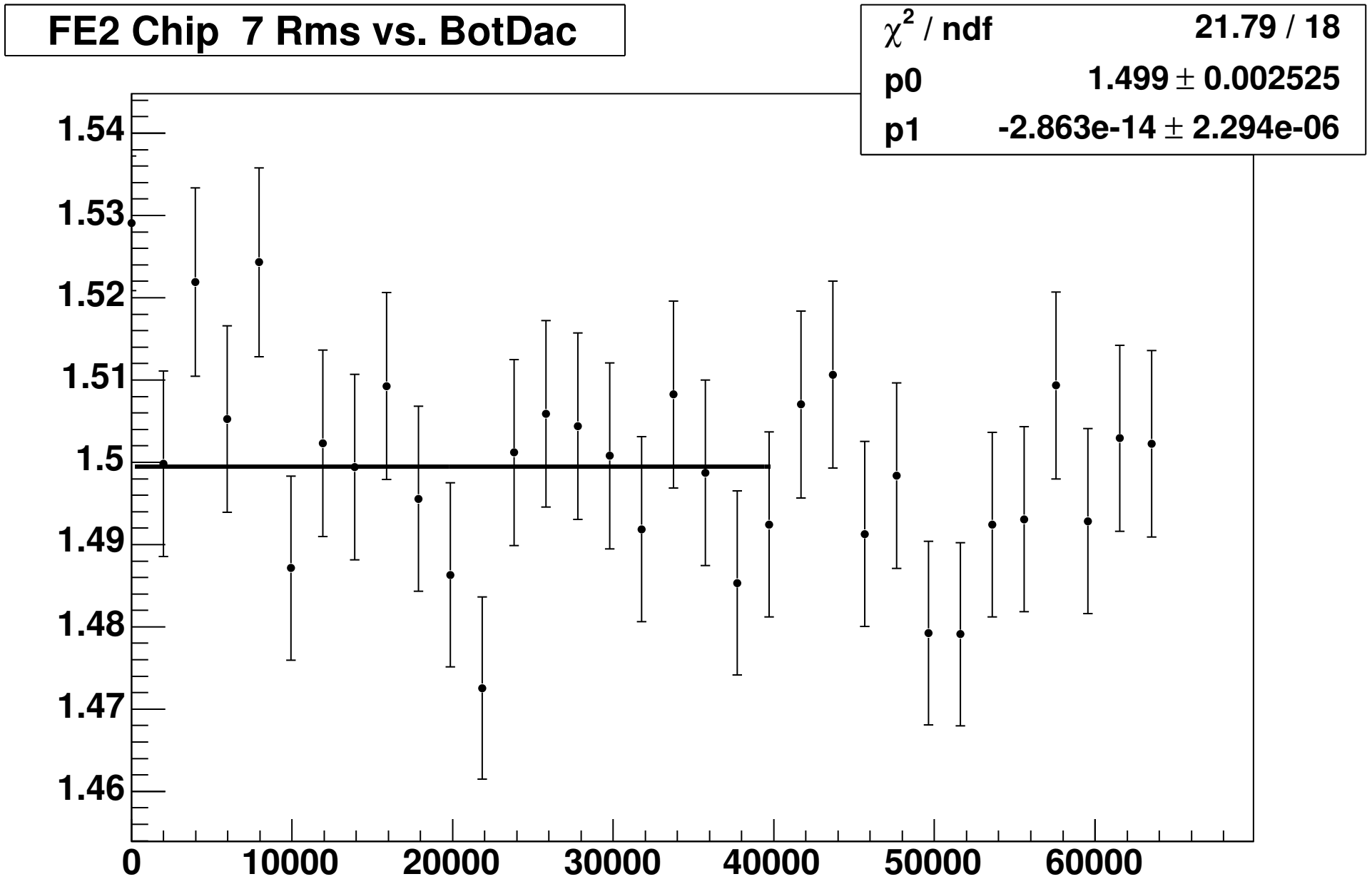
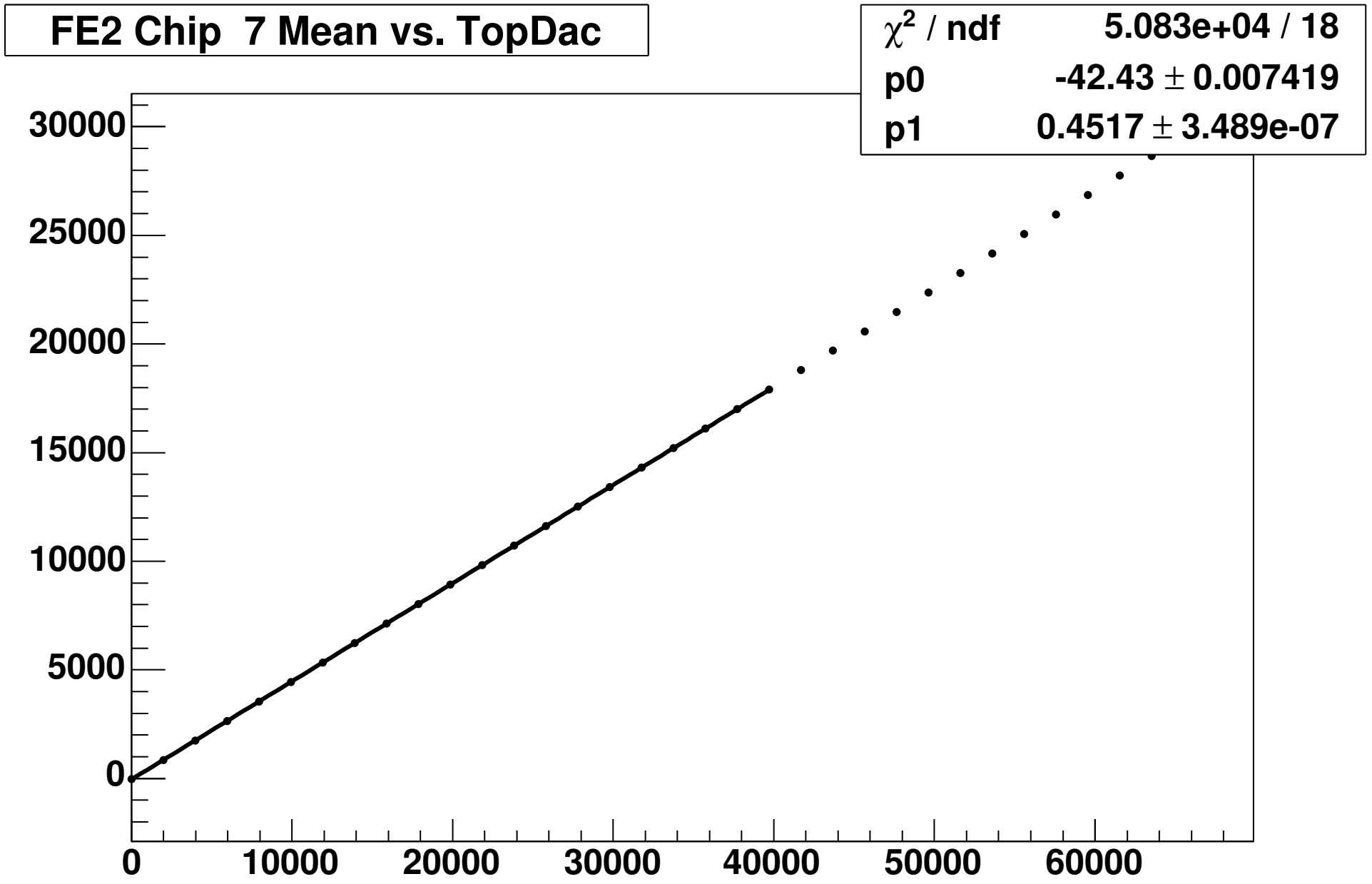
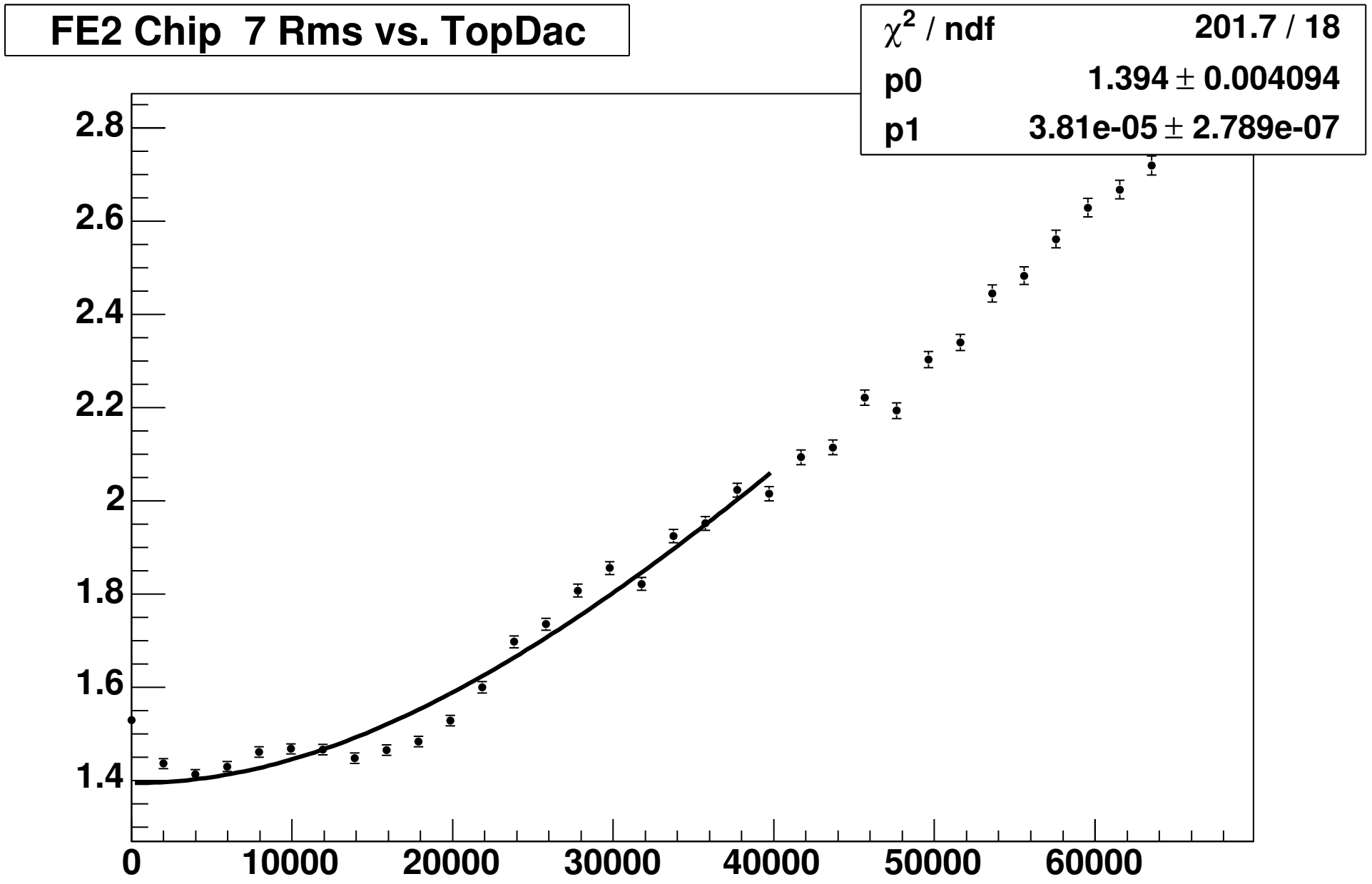
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

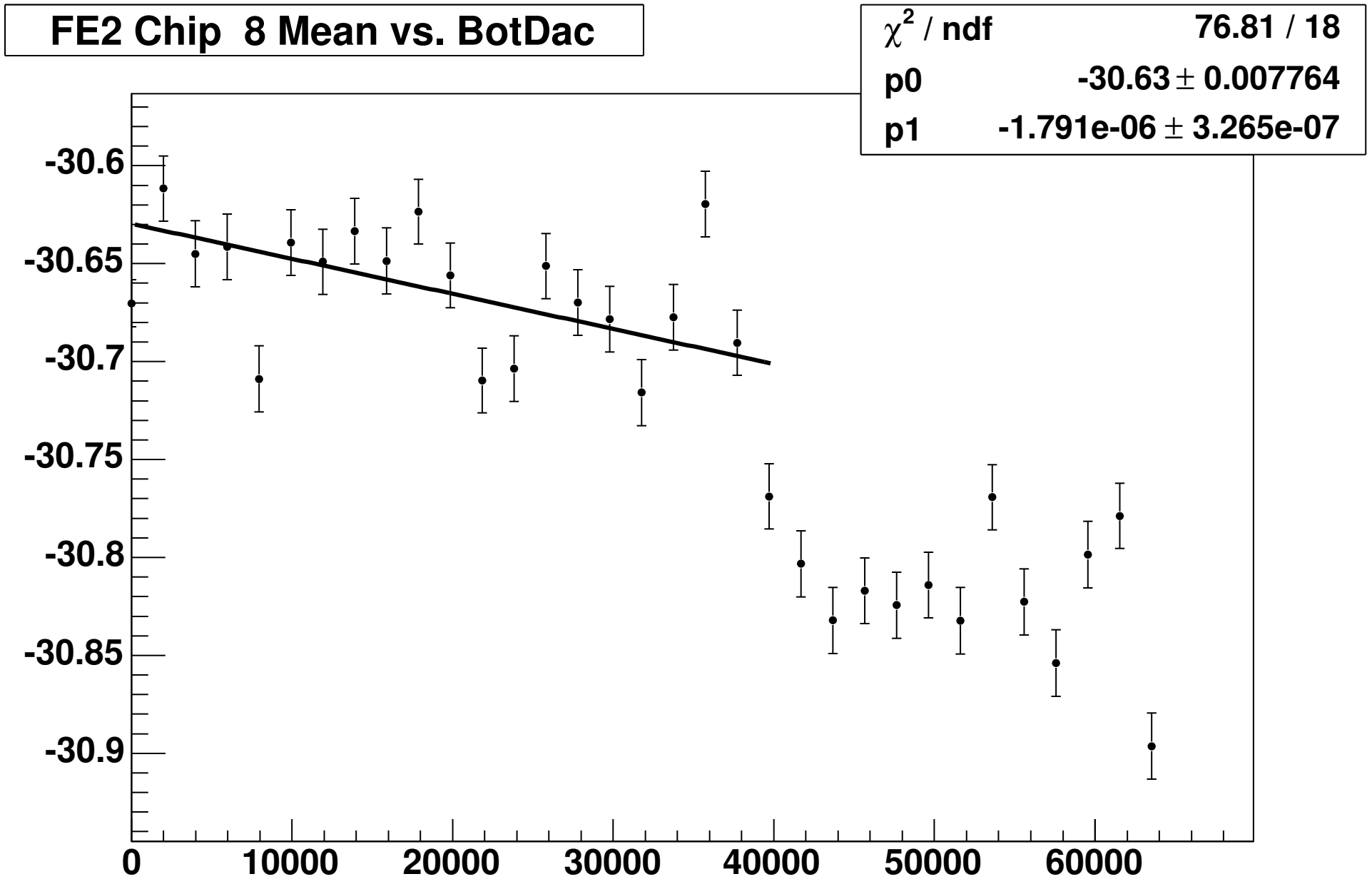

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 617.7 / 18
p0 1.347 ± 0.00404
p1 3.971e-05 ± 2.656e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

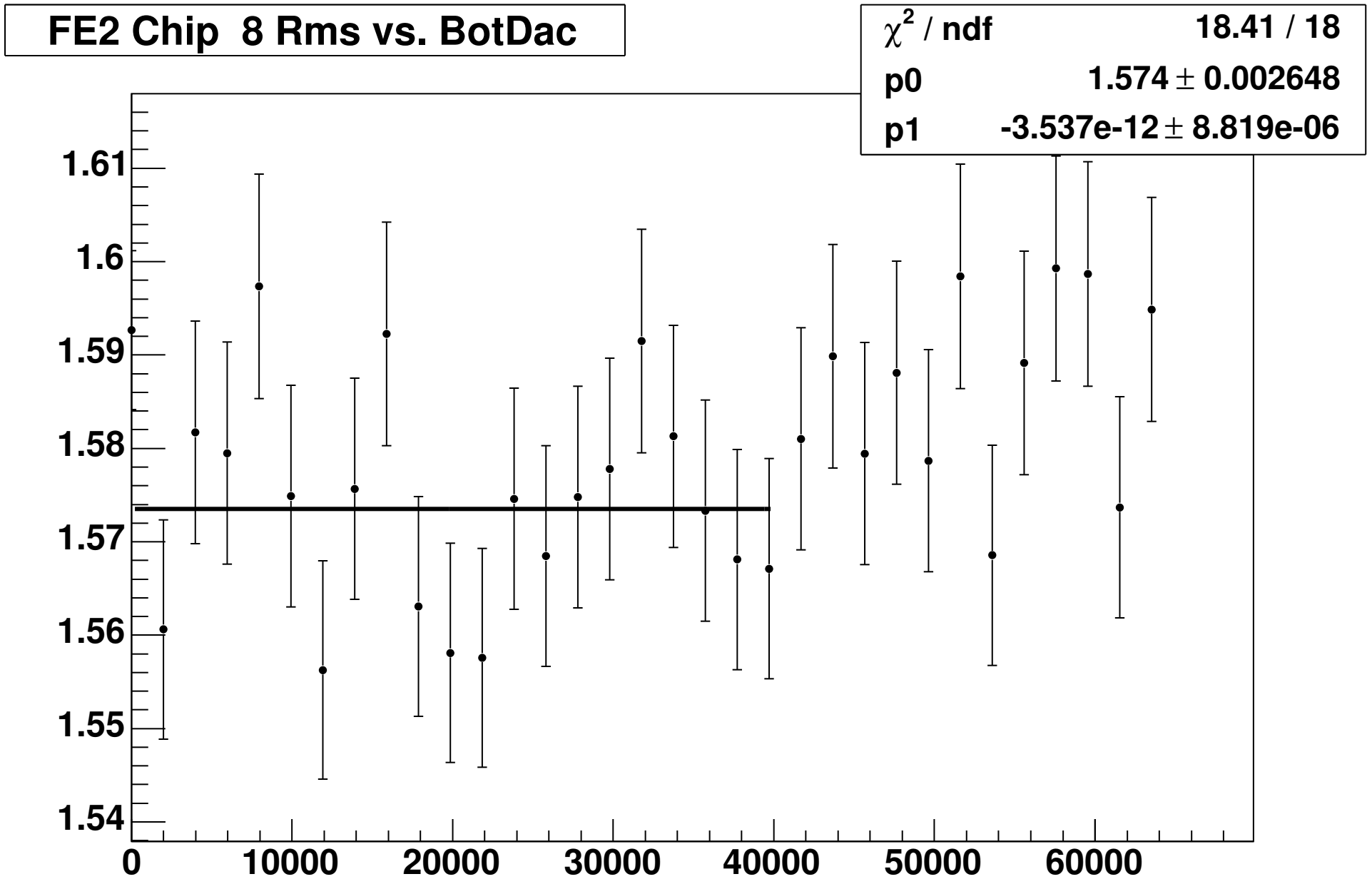

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 58.19 / 18
p0 -40.25 ± 0.007421
p1 -4.859e-07 ± 3.114e-07
-40.2
-40.25
-40.3
-40.35
-40.4
0
10000
20000
30000
40000
50000
60000

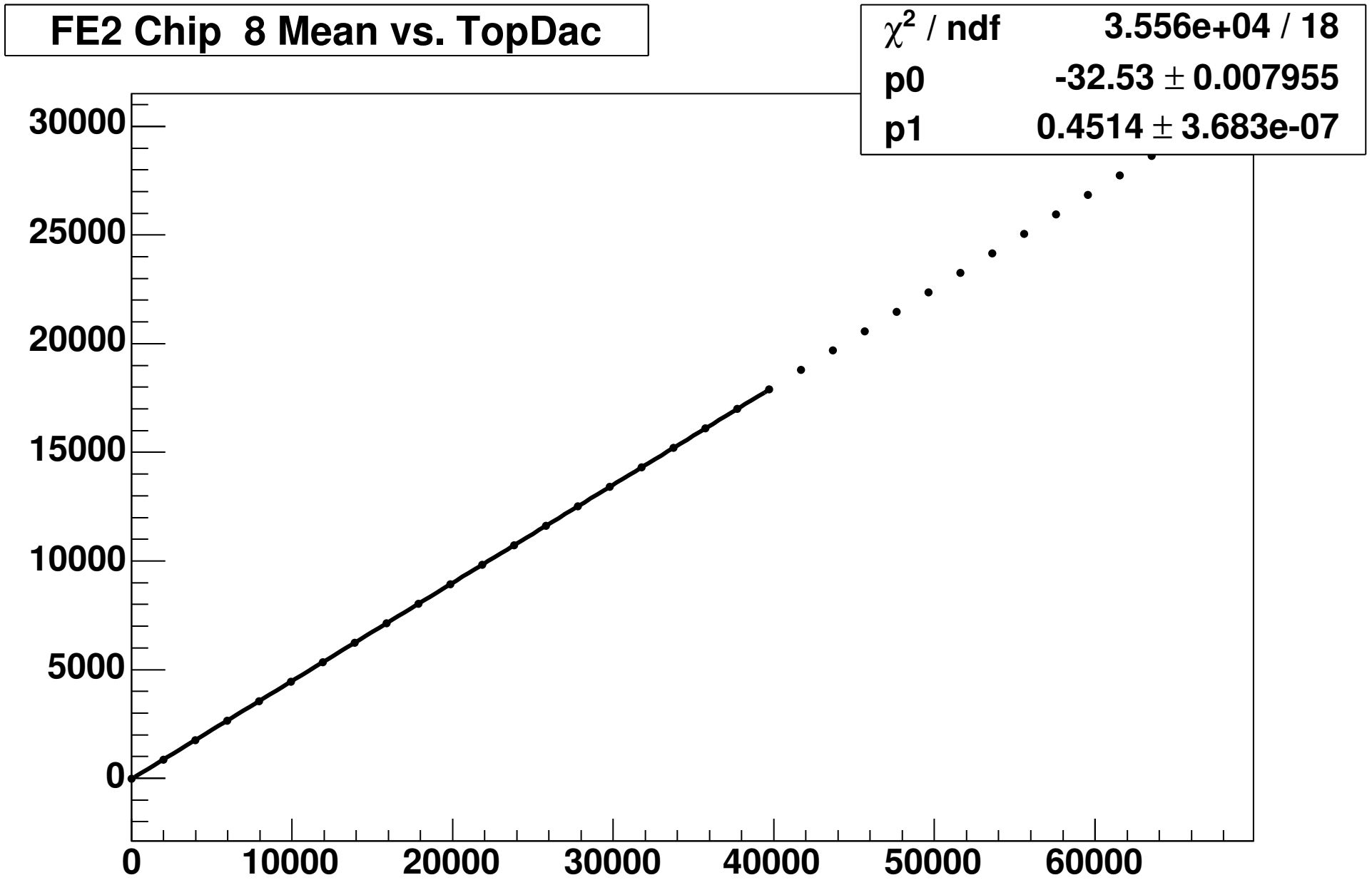

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 21.79 / 18
p0 1.499 ± 0.002525
p1 -2.863e-14 ± 2.294e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

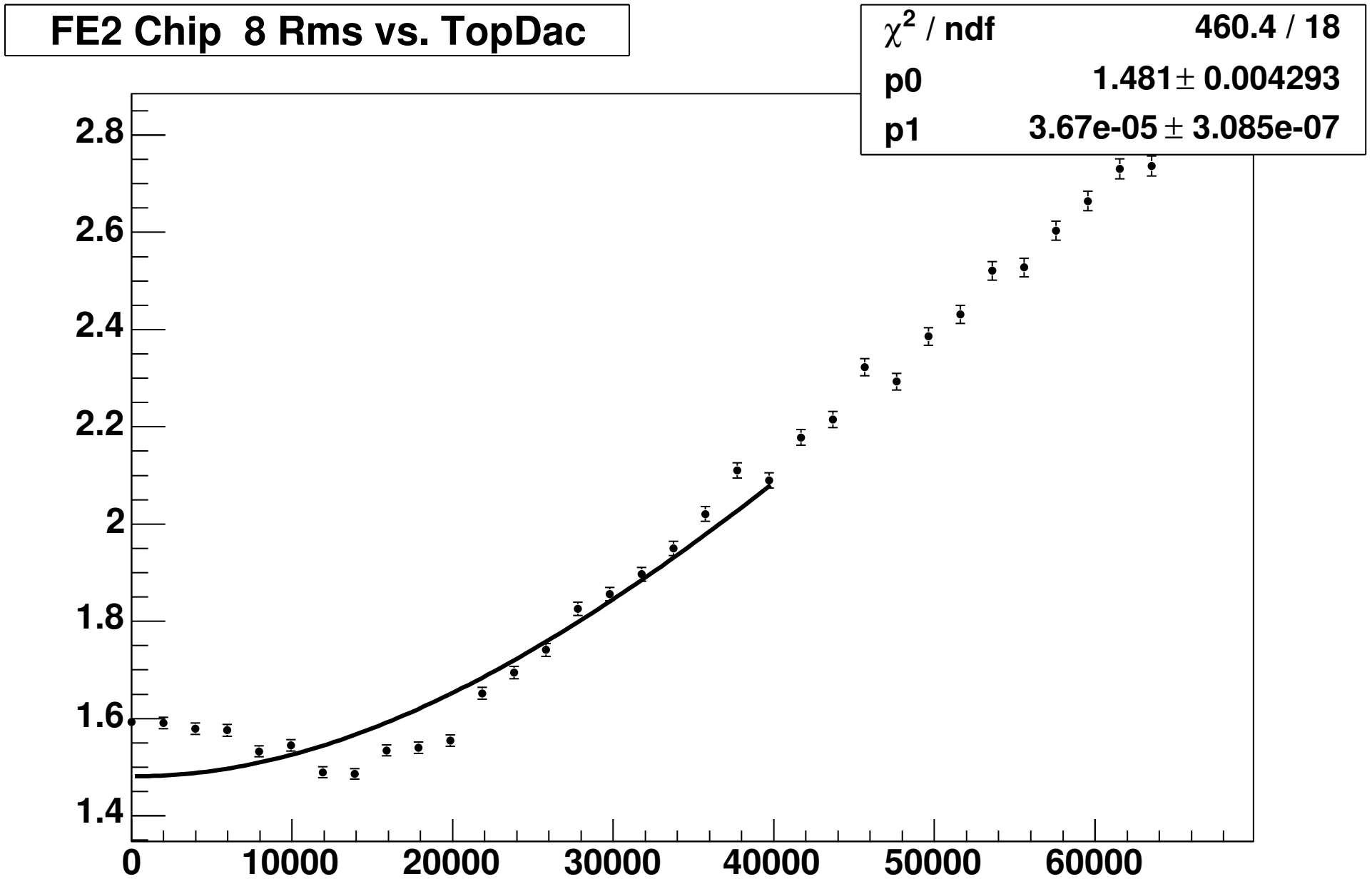

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 5.083e+04 / 18
p0 -42.43 ± 0.007419
p1 0.4517 ± 3.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 201.7 / 18
p0 1.394 ± 0.004094
p1 3.81e-05 ± 2.789e-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
χ² / ndf 76.81 / 18
p0 -30.63 ± 0.007764
p1 -1.791e-06 ± 3.265e-07
-30.6
-30.65
-30.7
-30.75
-30.8
-30.85
-30.9
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 18.41 / 18
p0 1.574 ± 0.002648
p1 -3.537e-12 ± 8.819e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 3.556e+04 / 18
p0 -32.53 ± 0.007955
p1 0.4514 ± 3.683e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 460.4 / 18
p0 1.481 ± 0.004293
p1 3.67e-05 ± 3.085e-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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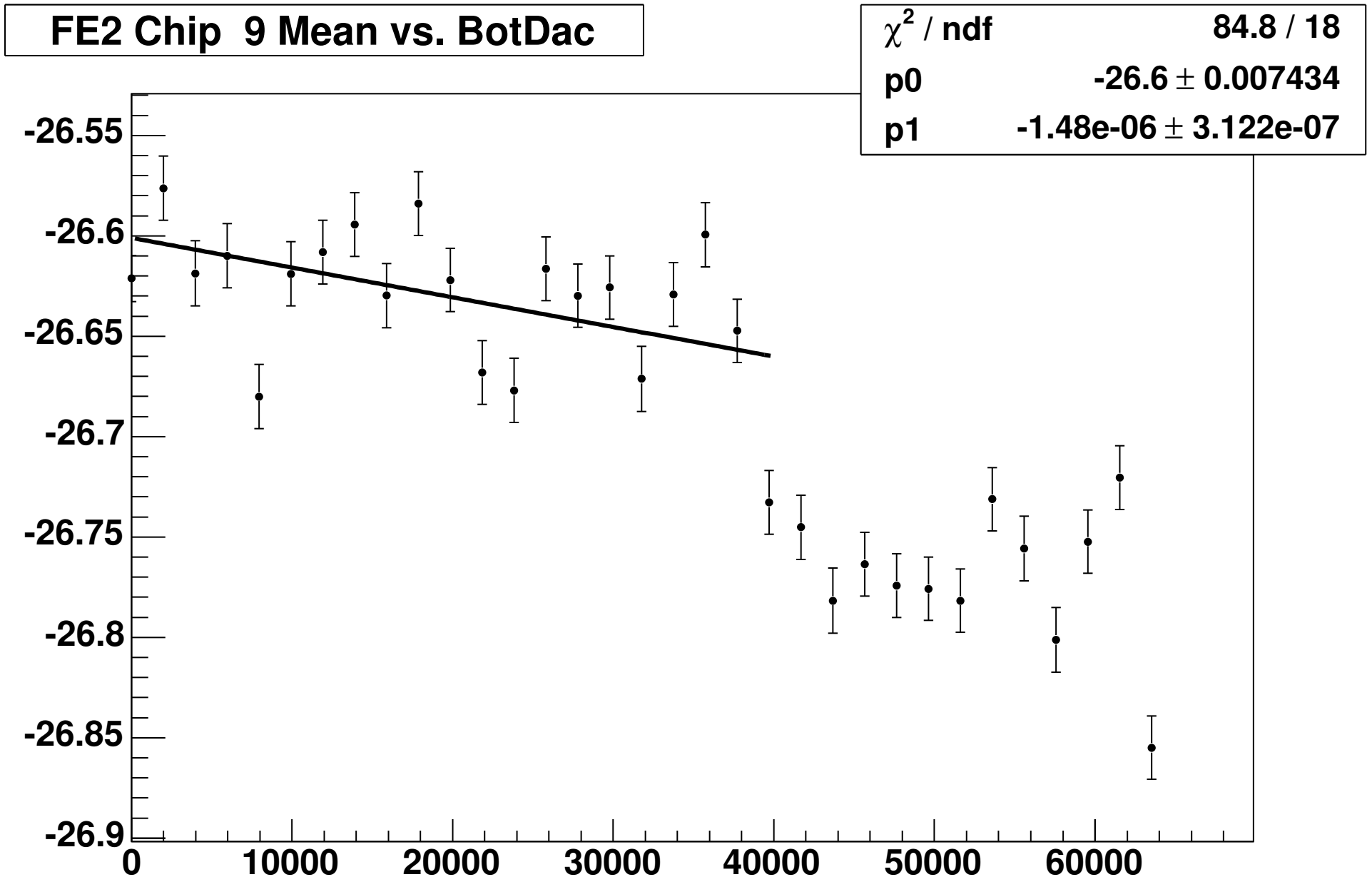
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 84.8 / 18
p0 -26.6 ± 0.007434
p1 -1.48e-06 ± 3.122e-07
-26.55
-26.6
-26.65
-26.7
-26.75
-26.8
-26.85
-26.9
0
10000
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40000
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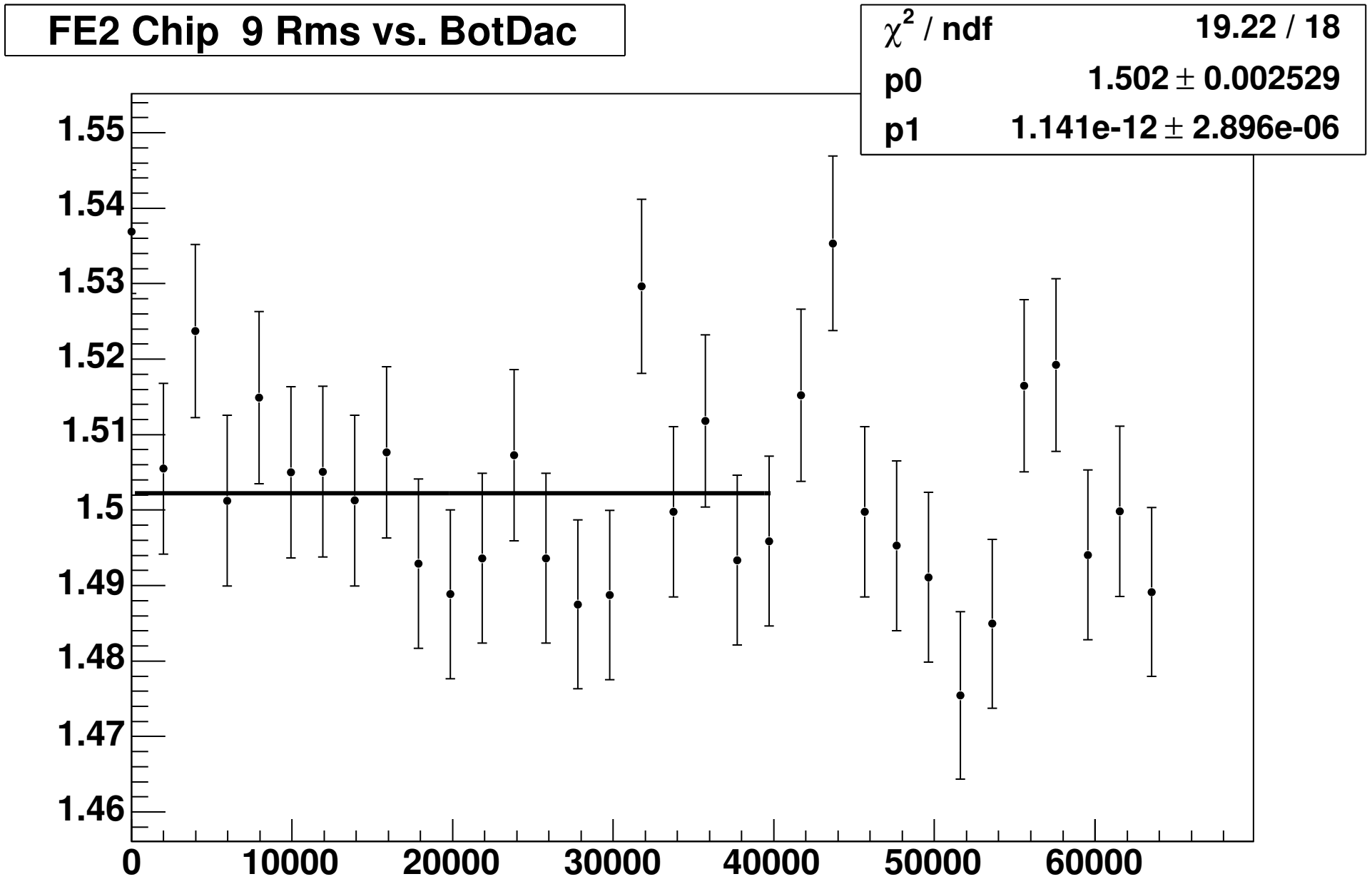
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 19.22 / 18
p0 1.502 ± 0.002529
p1 1.141e-12 ± 2.896e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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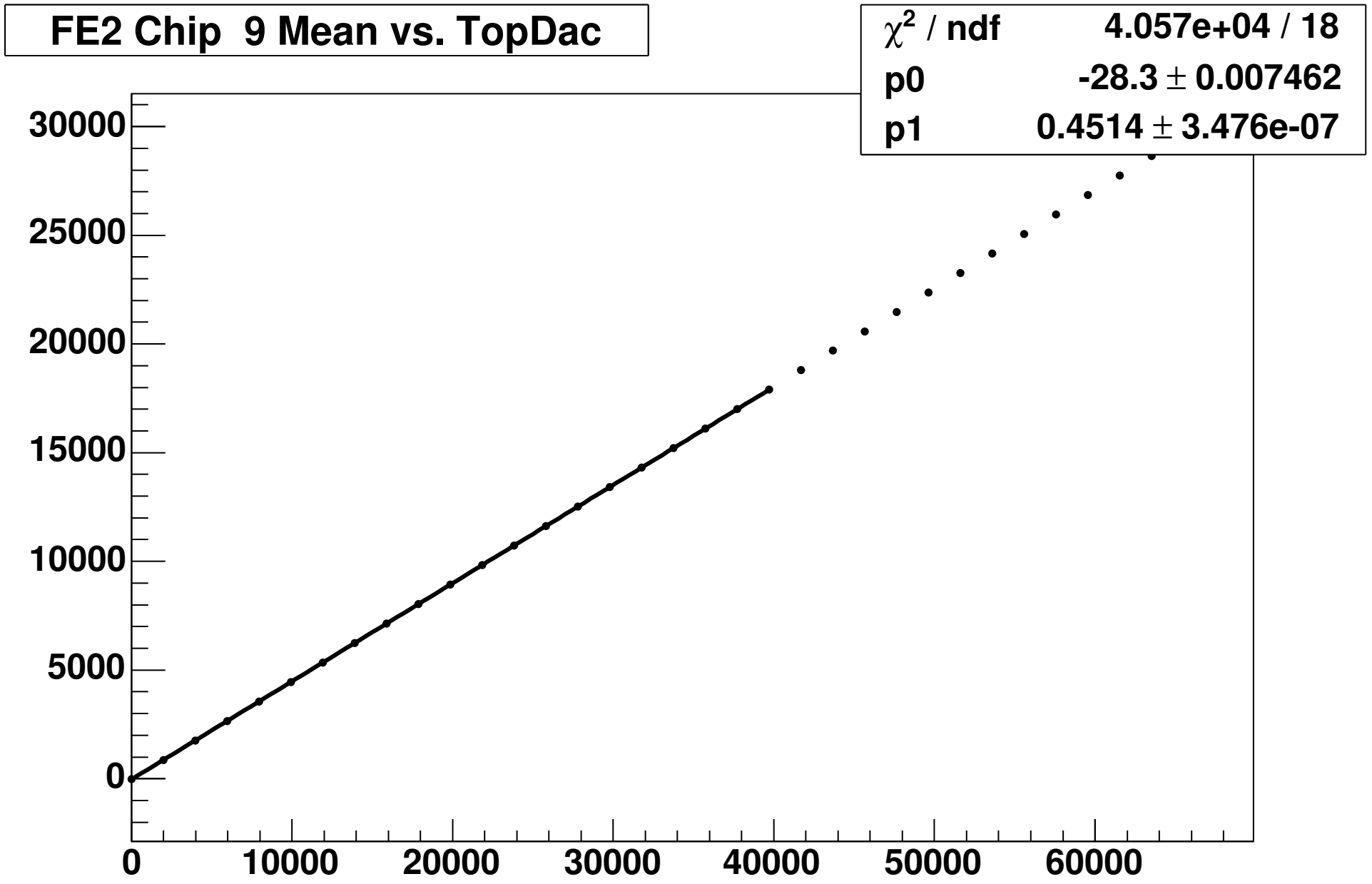
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 4.057e+04 / 18
p0 -28.3 ± 0.007462
p1 0.4514 ± 3.476e-07
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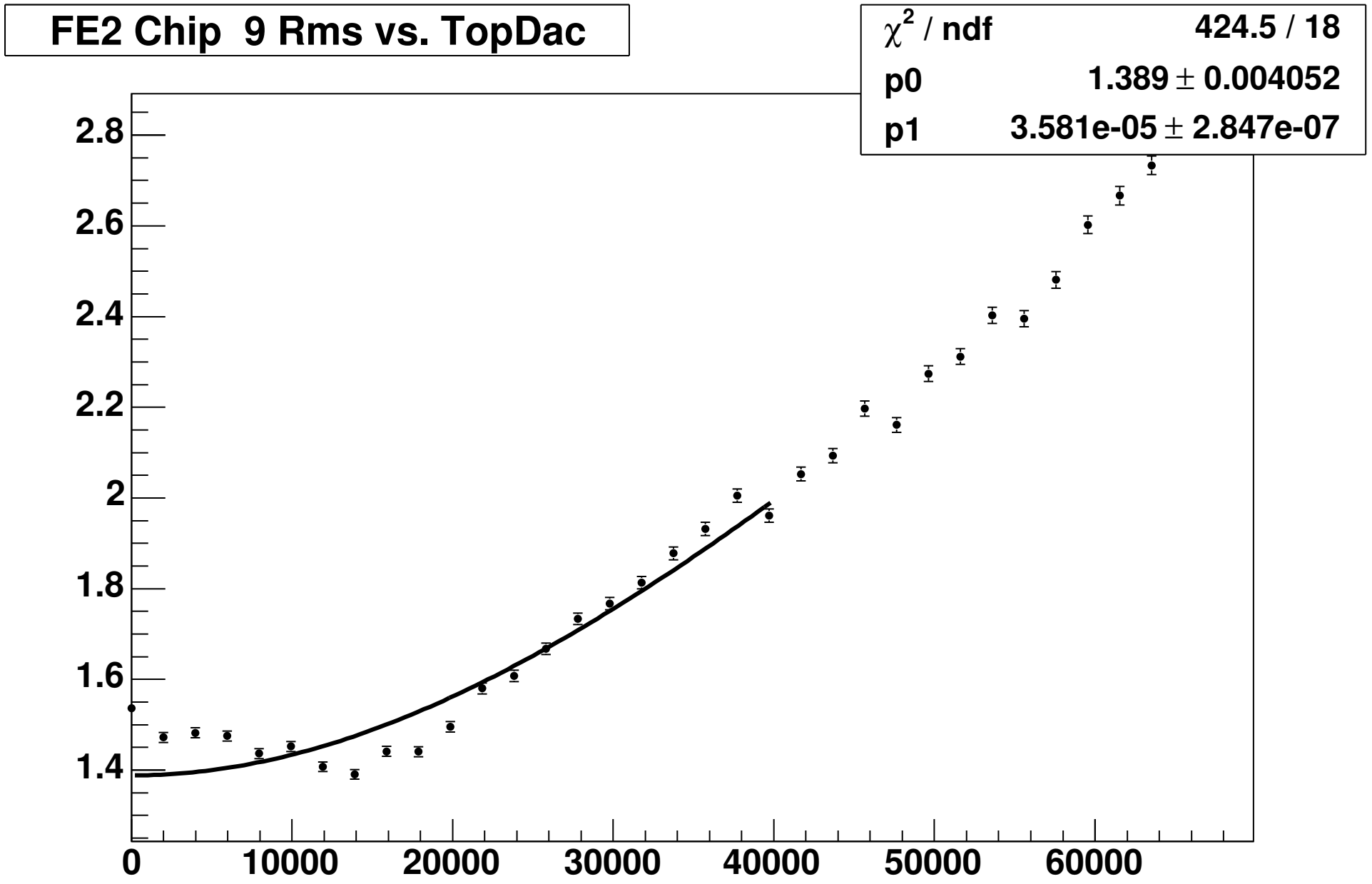
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 424.5 / 18
p0 1.389 ± 0.004052
p1 3.581e-05 ± 2.847e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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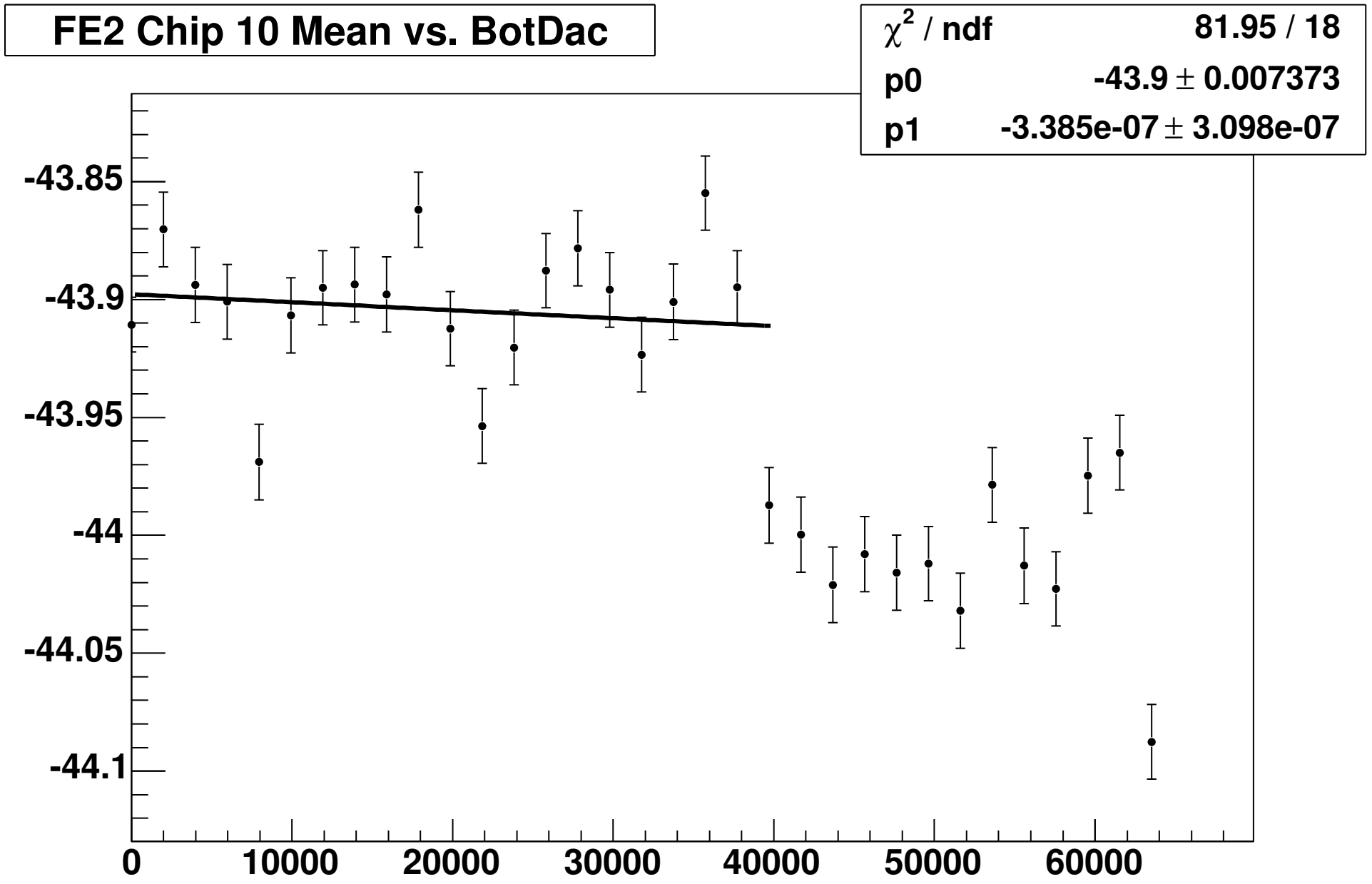
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 81.95 / 18
p0 -43.9 ± 0.007373
p1 -3.385e-07 ± 3.098e-07
-43.85
-43.9
-43.95
-44
-44.05
-44.1
0
10000
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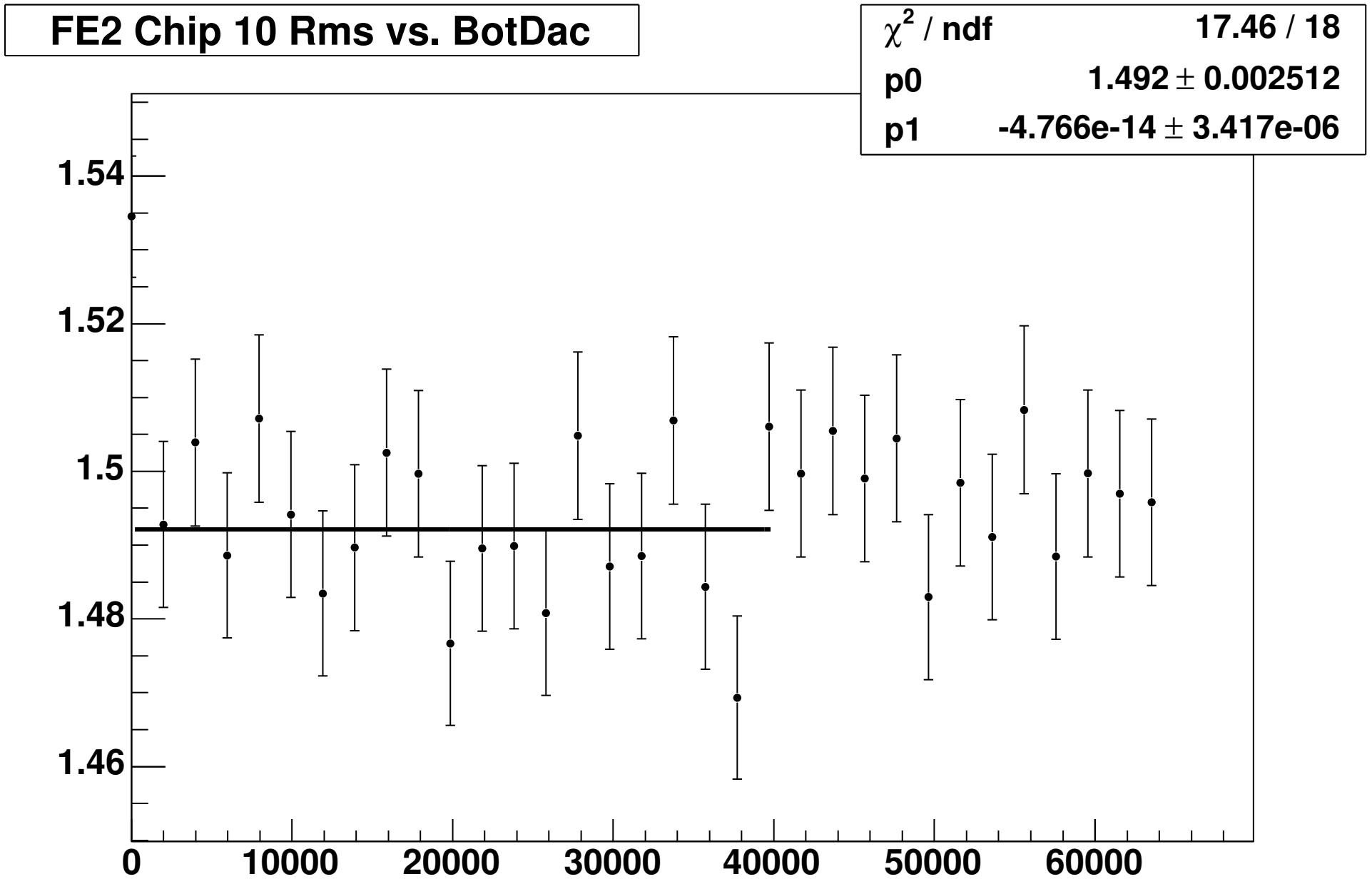
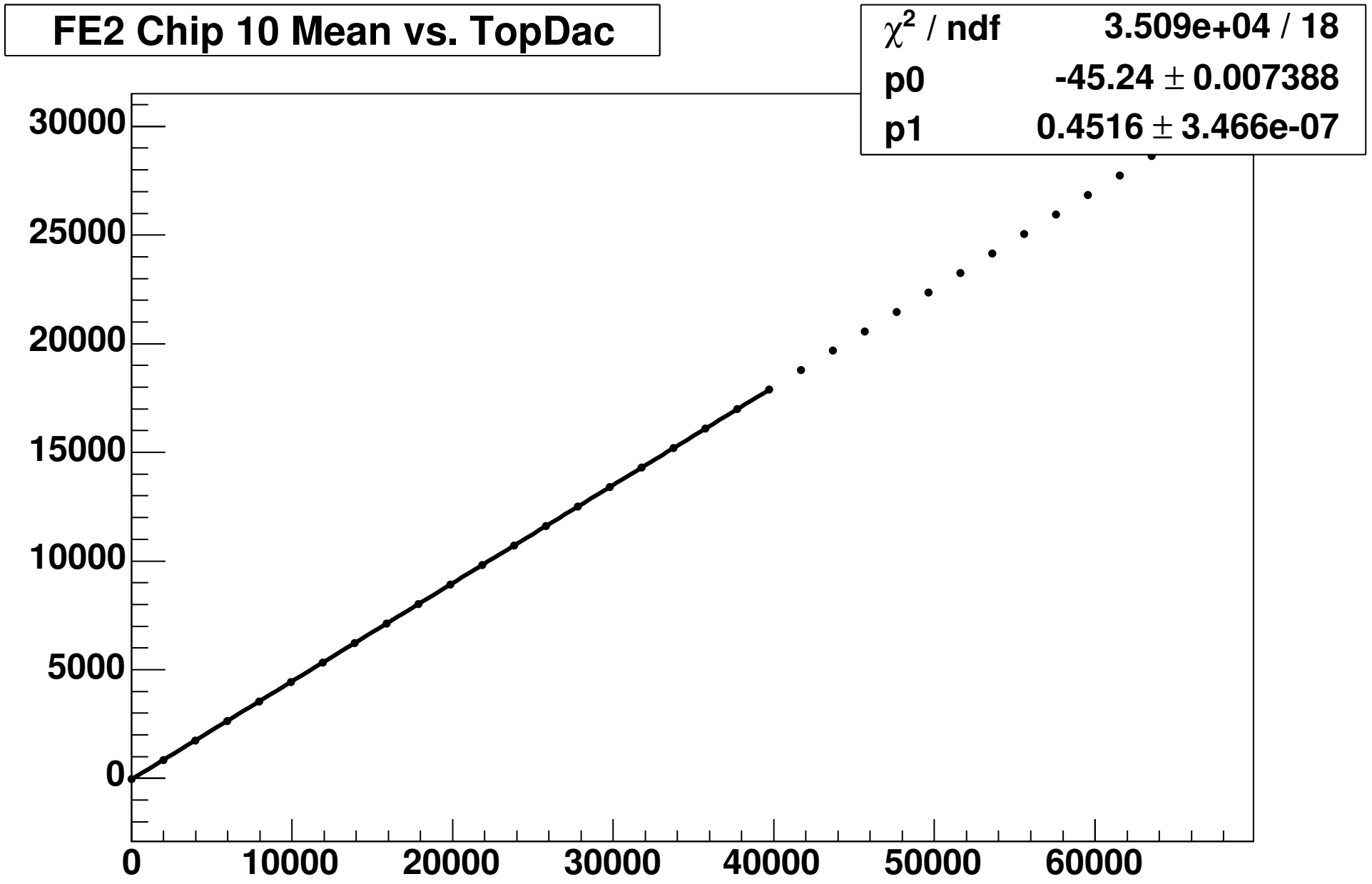
30000
40000
50000
60000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 17.46 / 18
p0 1.492 ± 0.002512
p1 -4.766e-14 ± 3.417e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.509e+04 / 18
p0 -45.24 ± 0.007388
p1 0.4516 ± 3.466e-07
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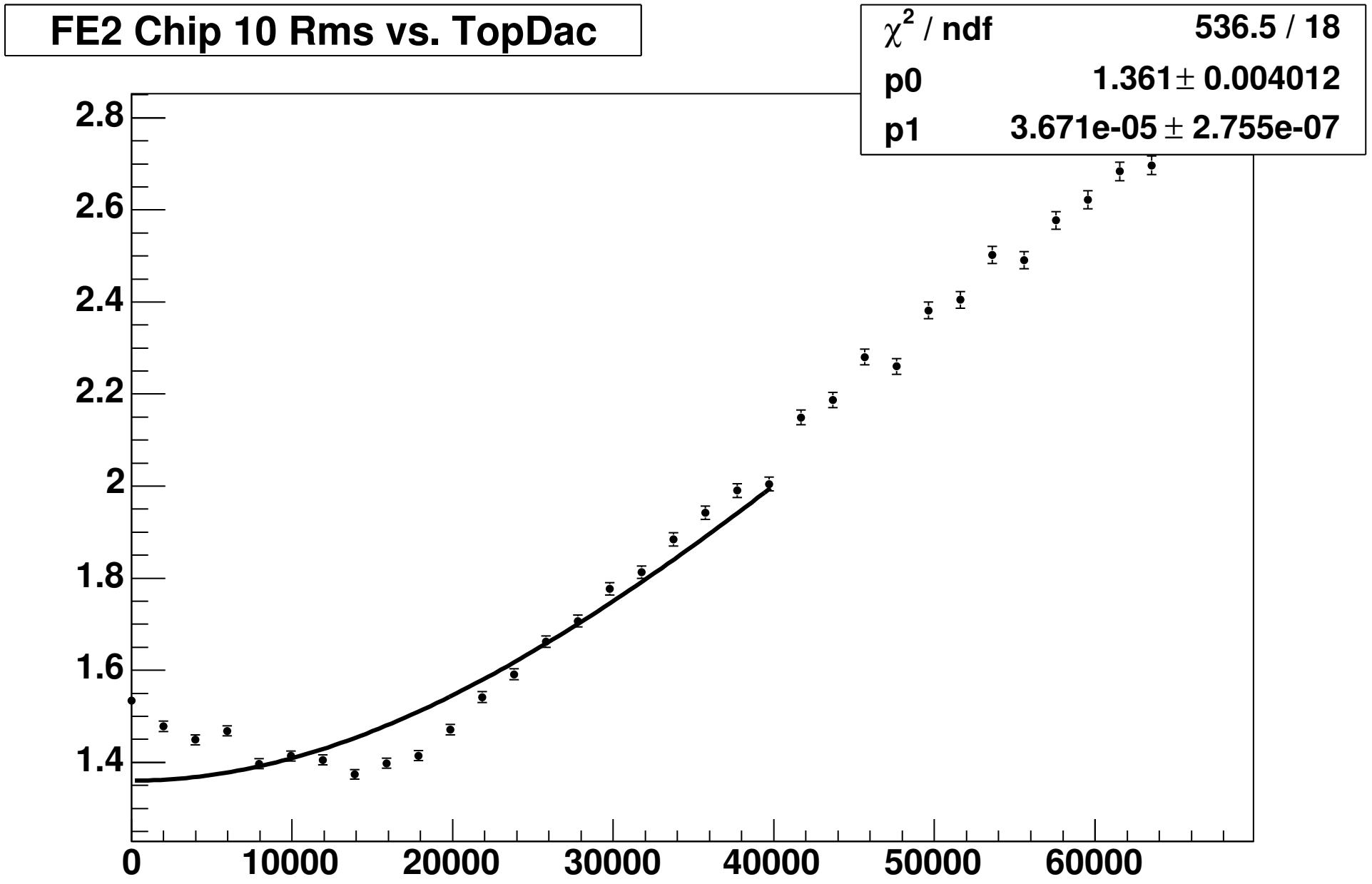
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 536.5 / 18
p0 1.361 ± 0.004012
p1 3.671e-05 ± 2.755e-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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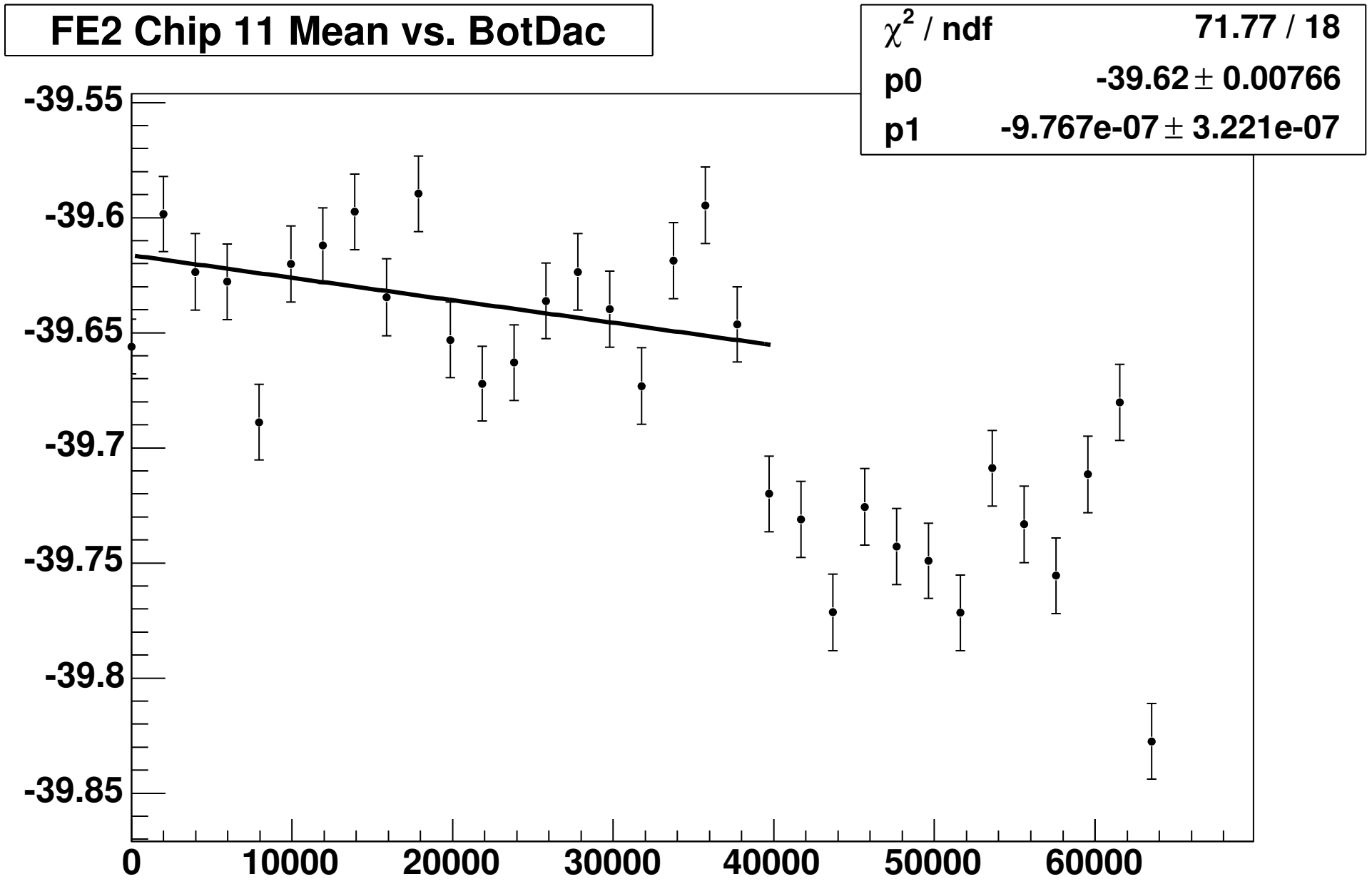
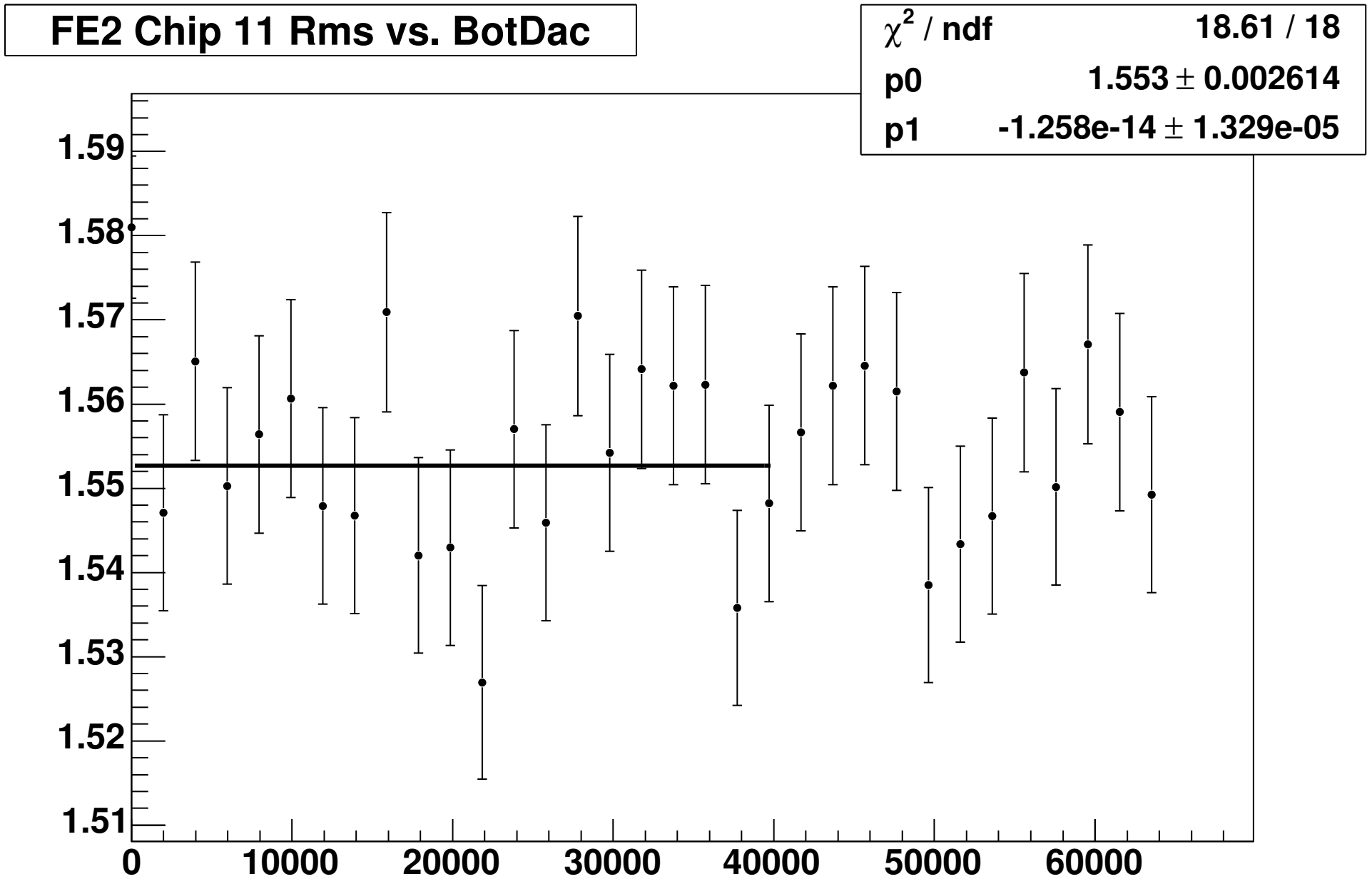
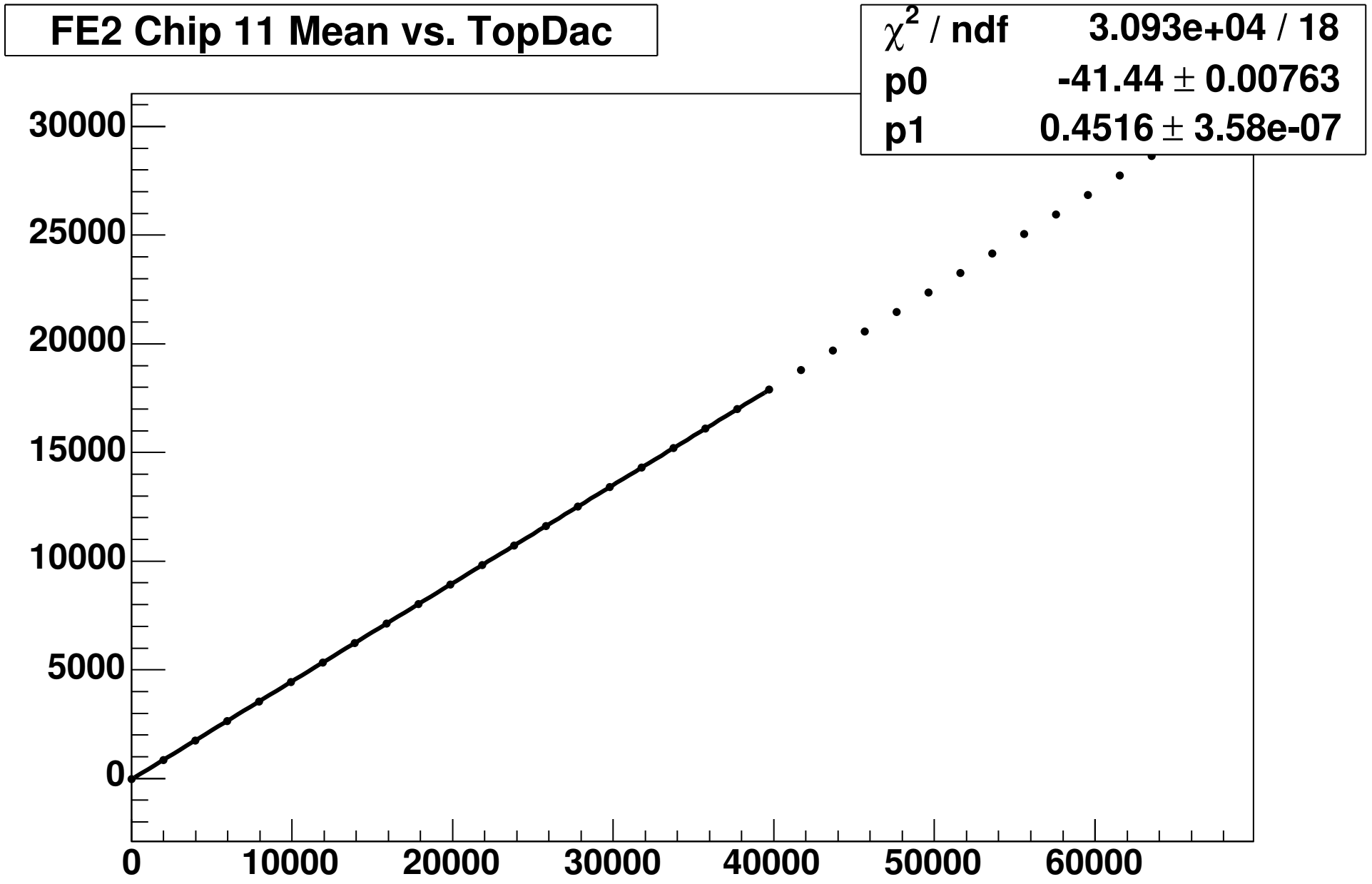
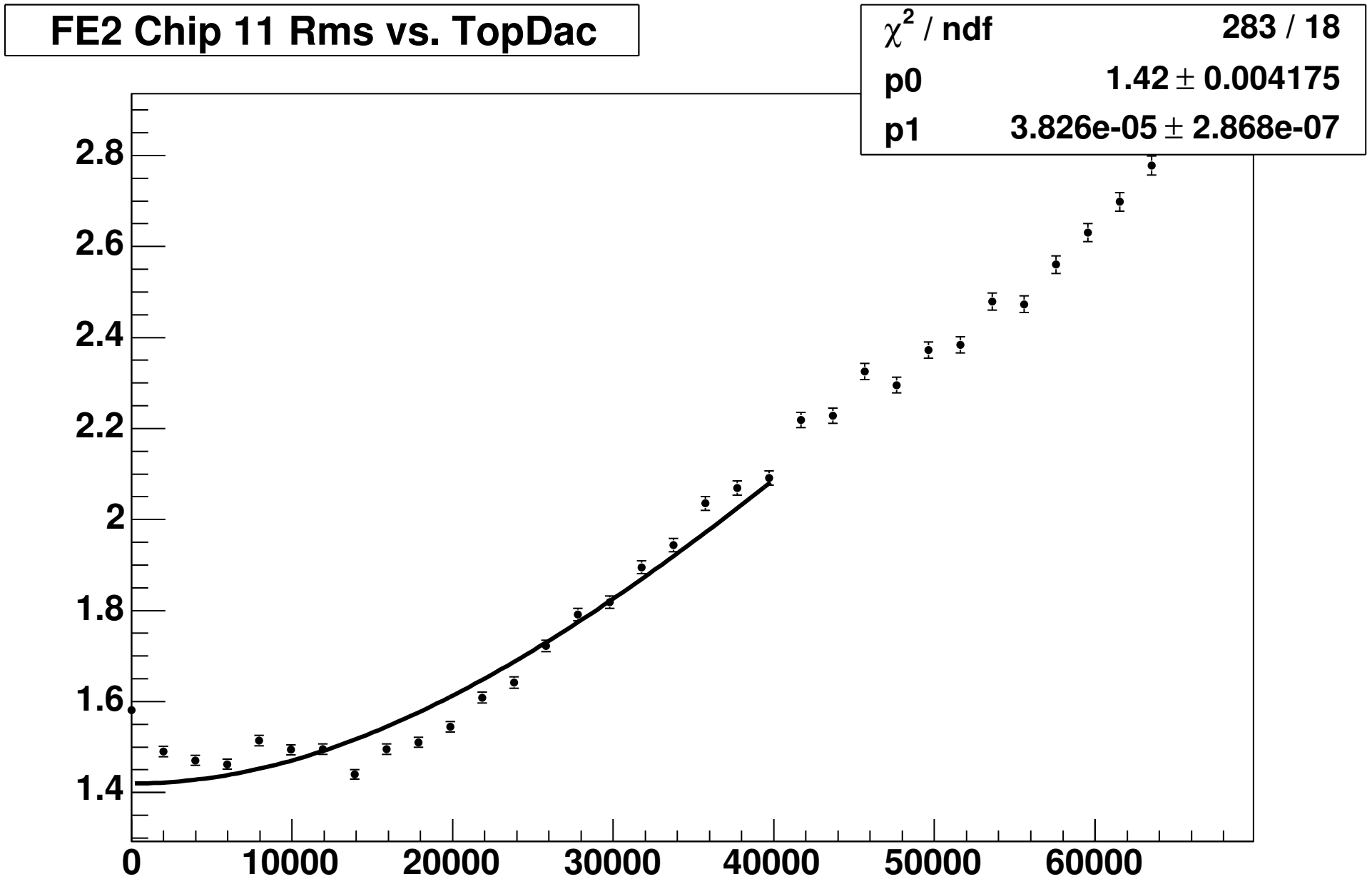
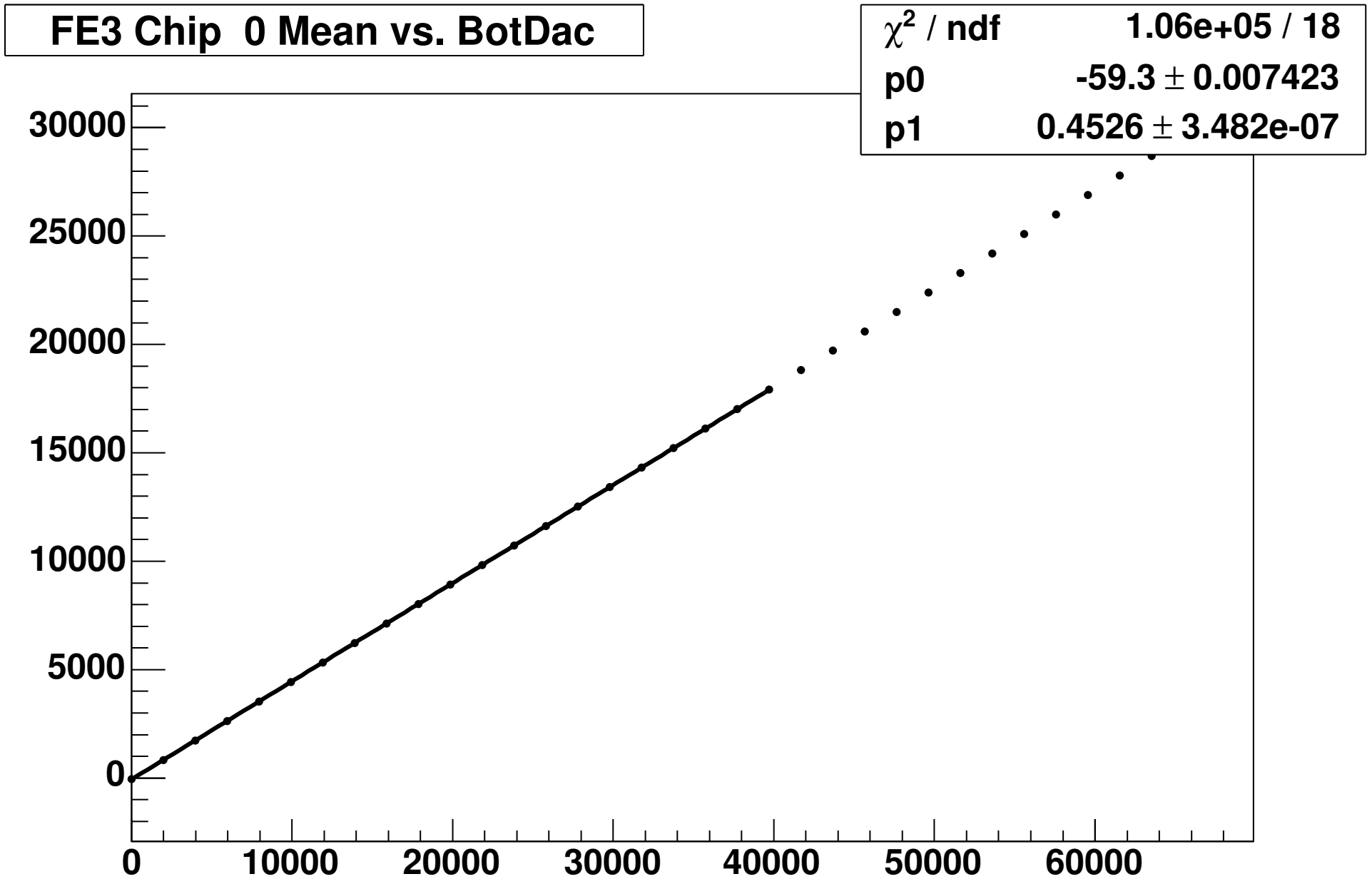
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 71.77 / 18
p0 -39.62 ± 0.00766
p1 -9.767e-07 ± 3.221e-07
-39.55
-39.6
-39.65
-39.7
-39.75
-39.8
-39.85
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 18.61 / 18
p0 1.553 ± 0.002614
p1 -1.258e-14 ± 1.329e-05
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 3.093e+04 / 18
p0 -41.44 ± 0.00763
p1 0.4516 ± 3.58e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 283 / 18
p0 1.42 ± 0.004175
p1 3.826e-05 ± 2.868e-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 1.06e+05 / 18
p0 -59.3 ± 0.007423
p1 0.4526 ± 3.482e-07
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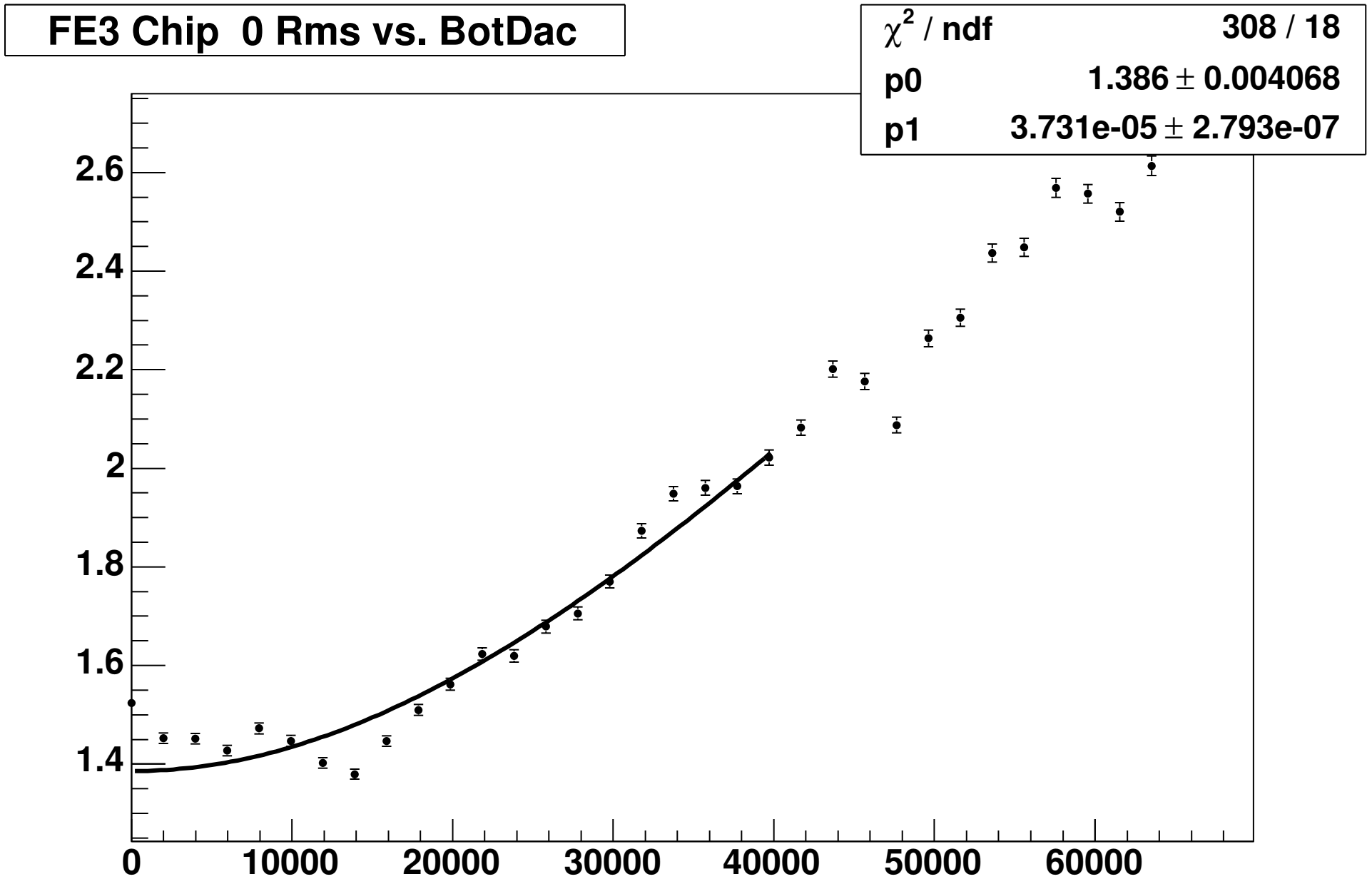
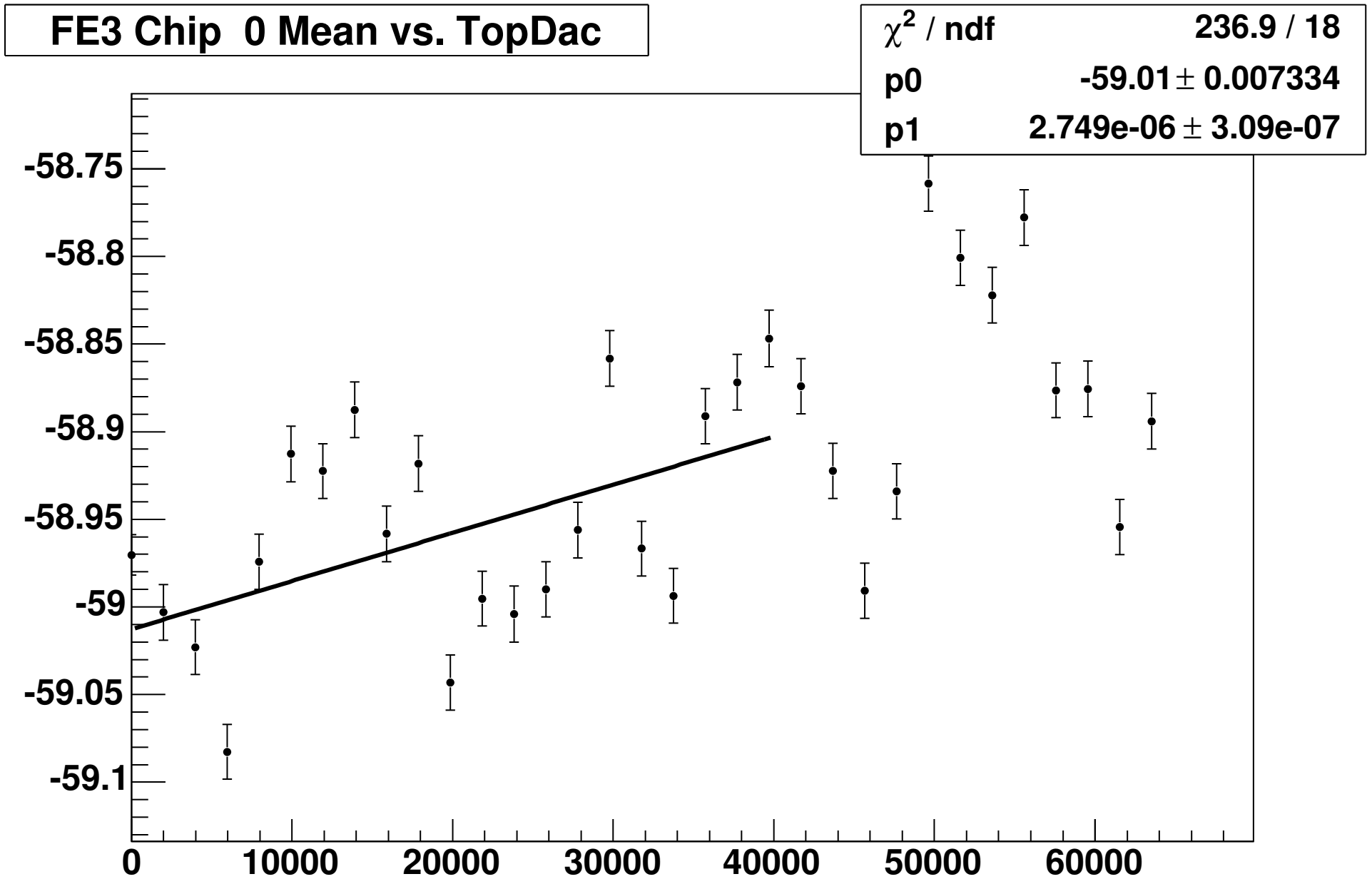
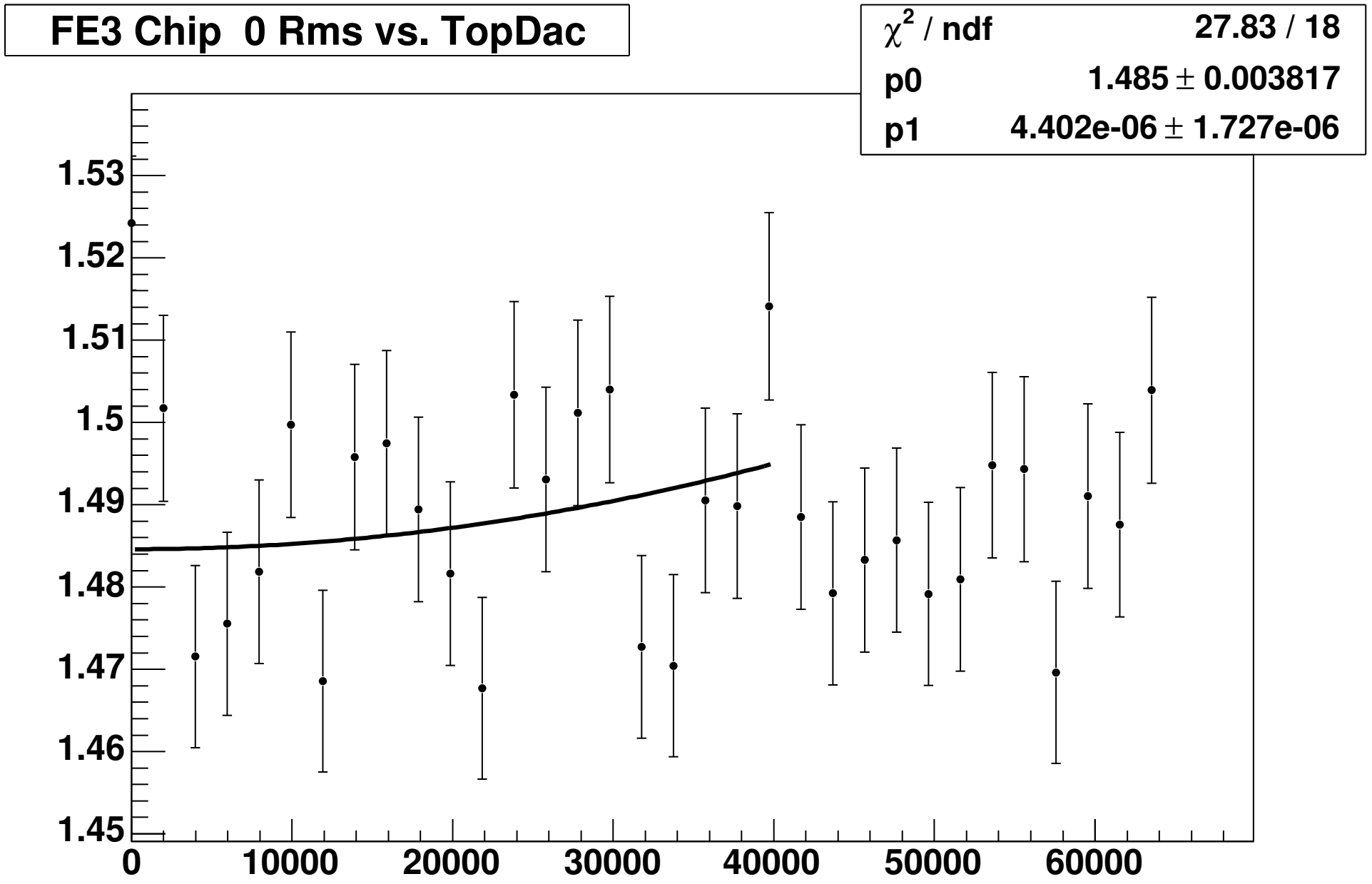
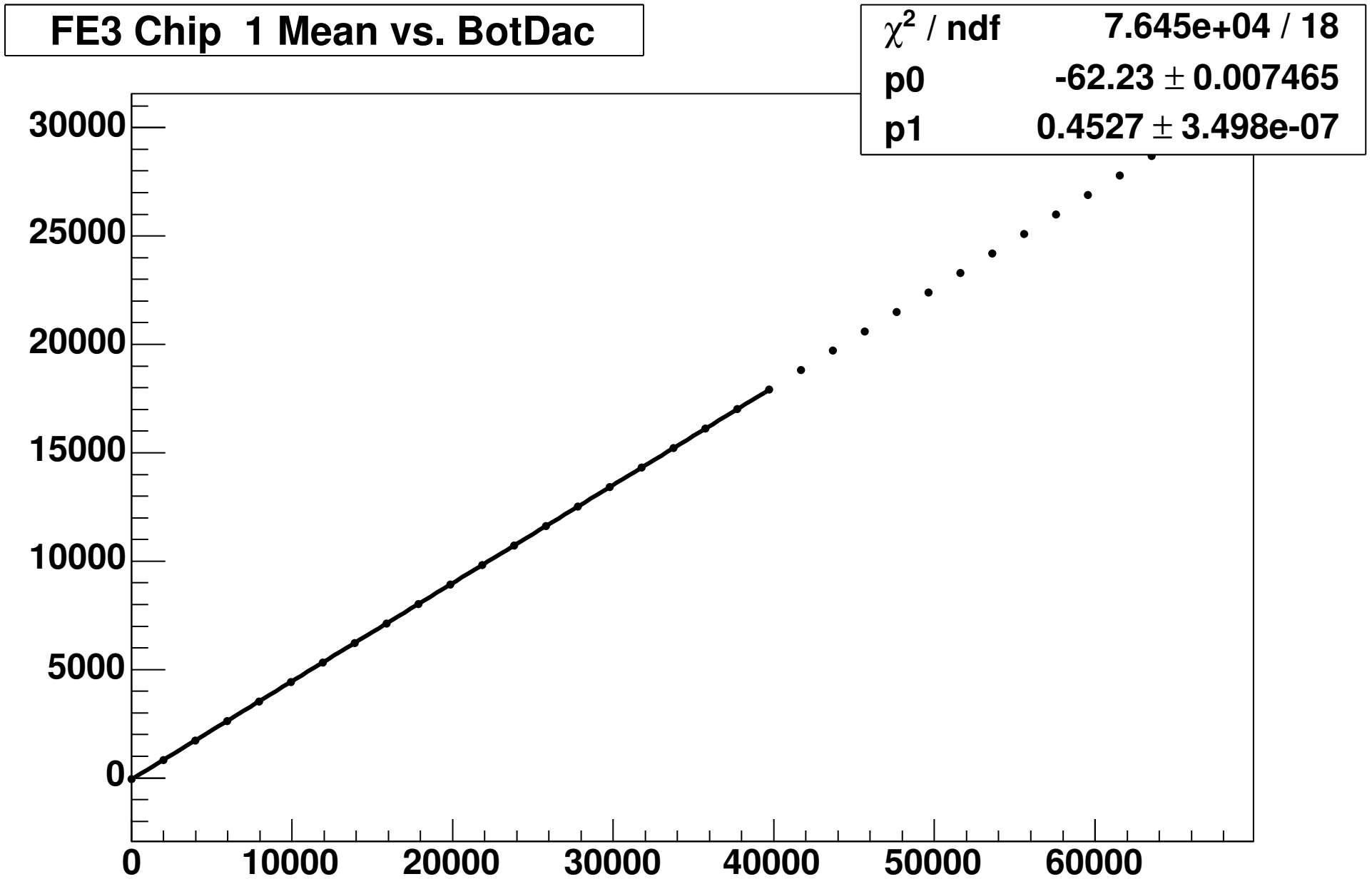
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 308 / 18
p0 1.386 ± 0.004068
p1 3.731e-05 ± 2.793e-07
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. TopDac
χ² / ndf 236.9 / 18
p0 -59.01 ± 0.007334
p1 2.749e-06 ± 3.09e-07
-58.75
-58.8
-58.85
-58.9
-58.95
-59
-59.05
-59.1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 27.83 / 18
p0 1.485 ± 0.003817
p1 4.402e-06 ± 1.727e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 7.645e+04 / 18
p0 -62.23 ± 0.007465
p1 0.4527 ± 3.498e-07
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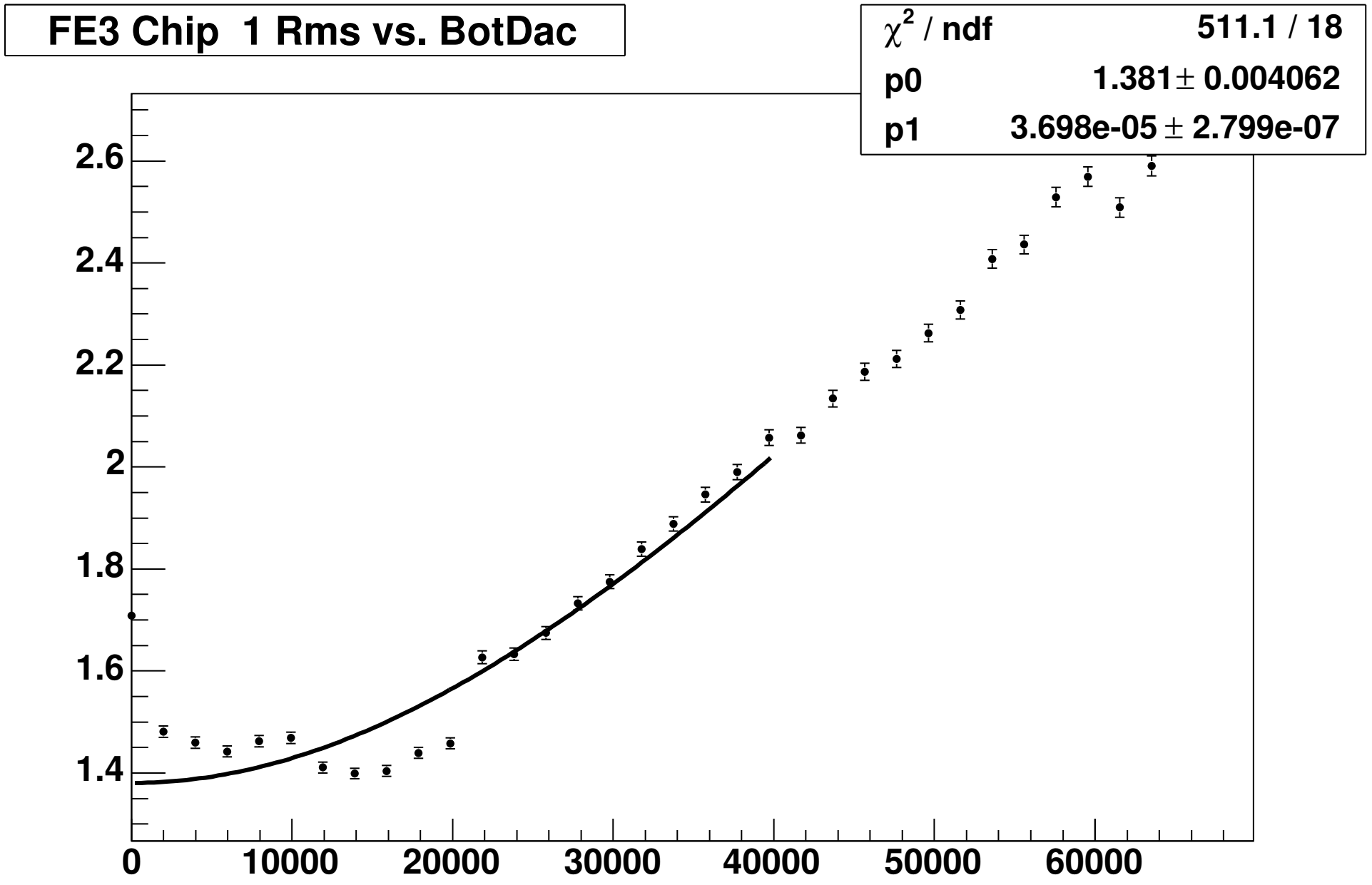
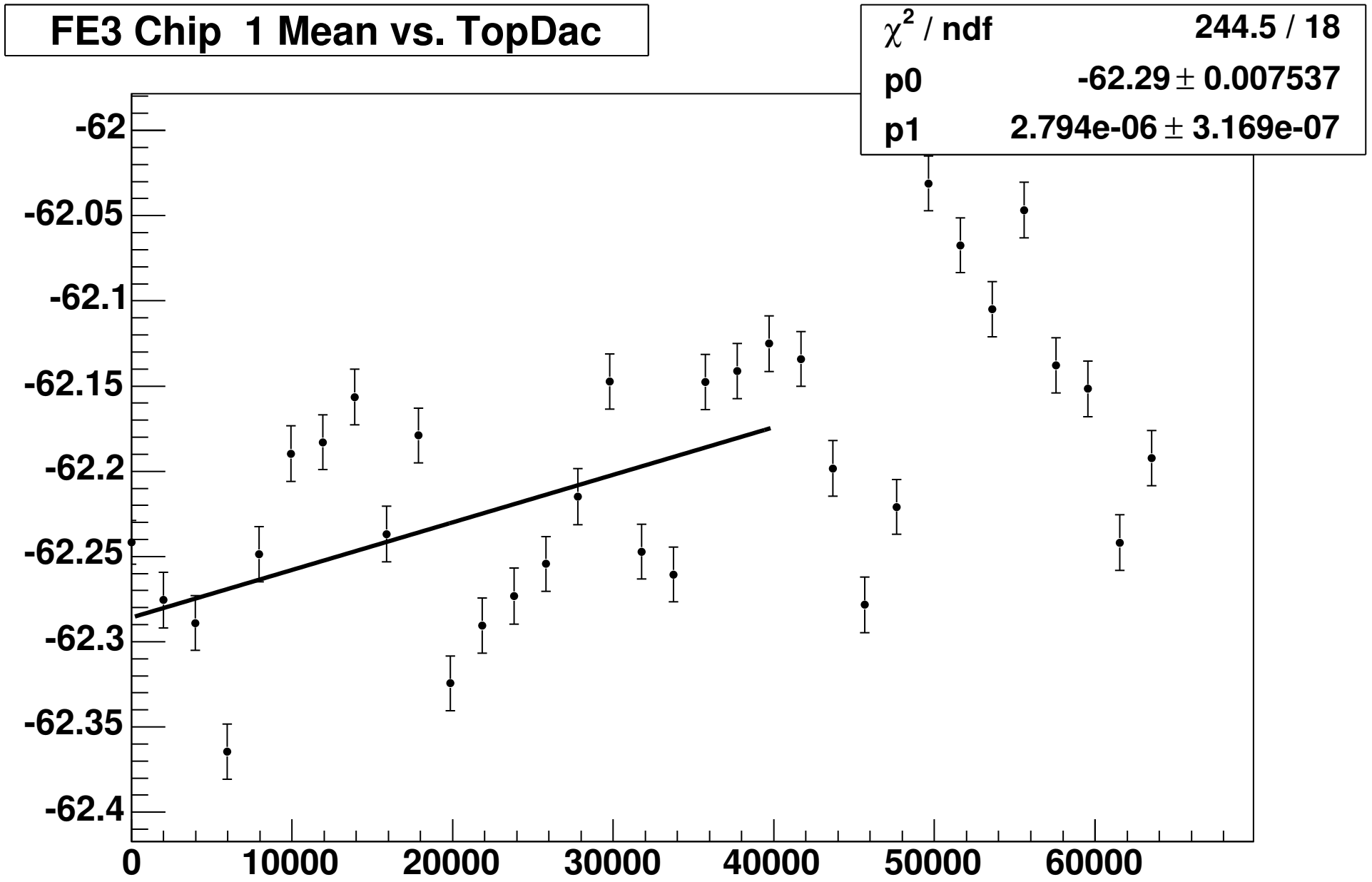
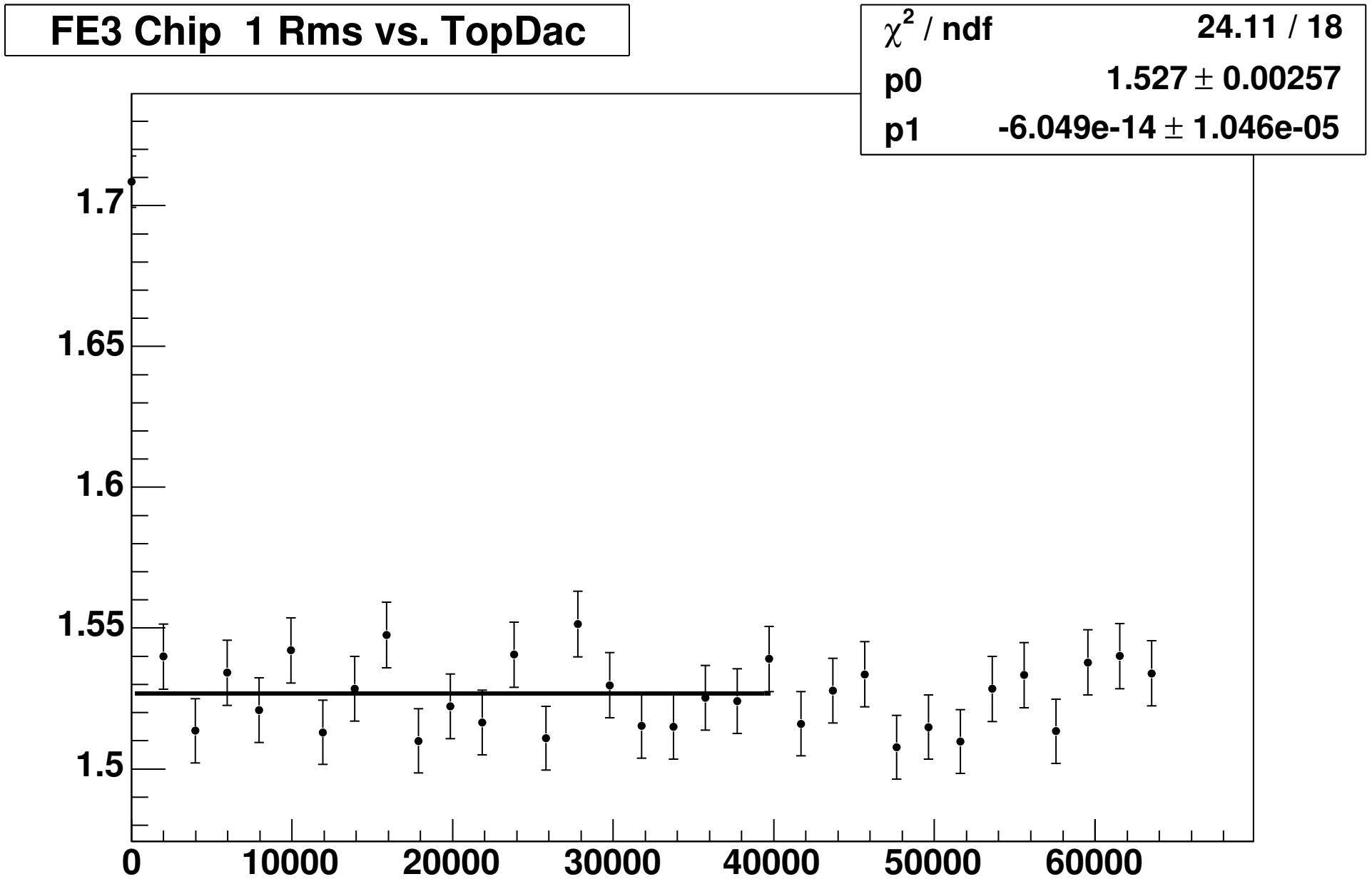
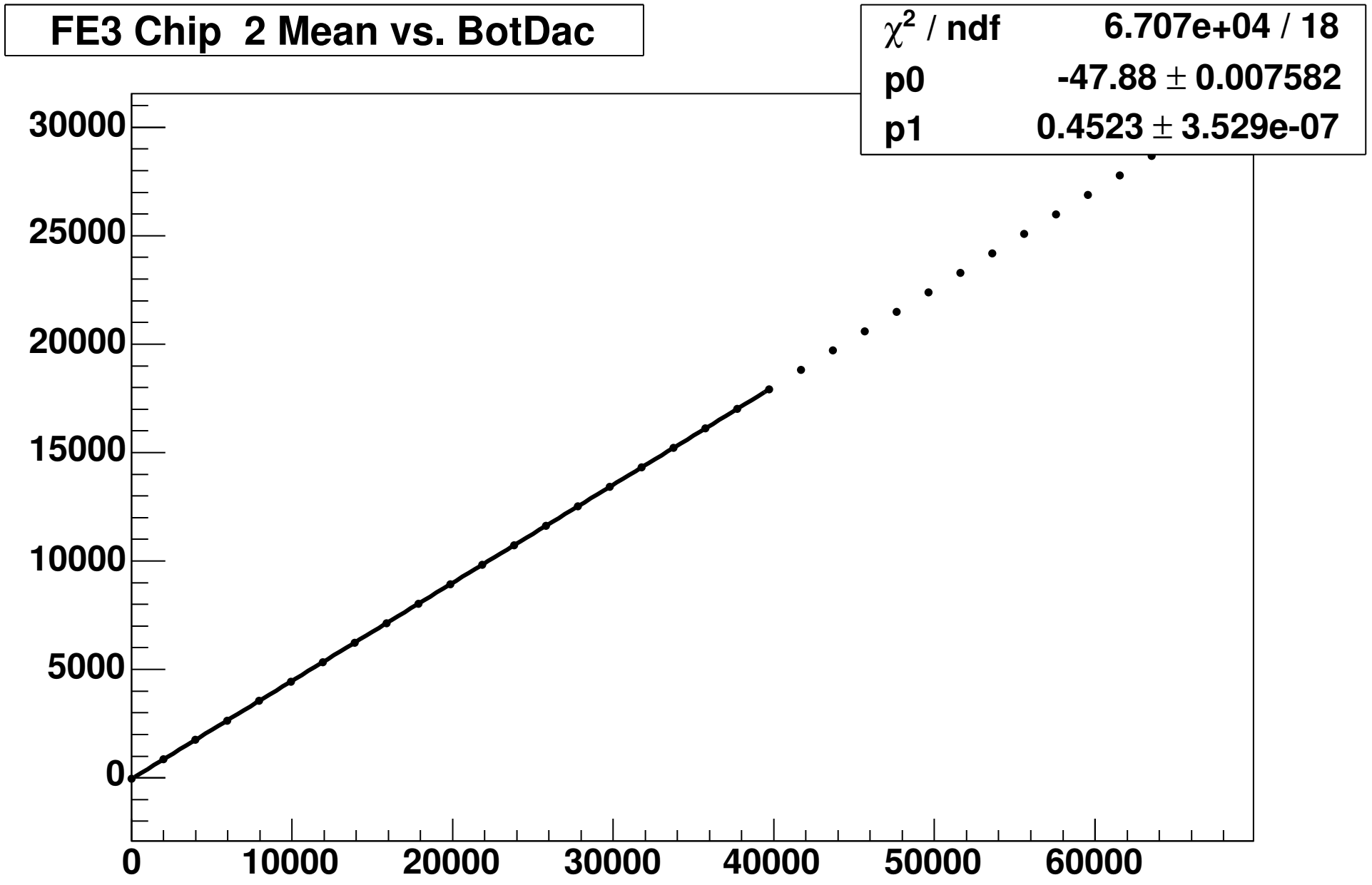
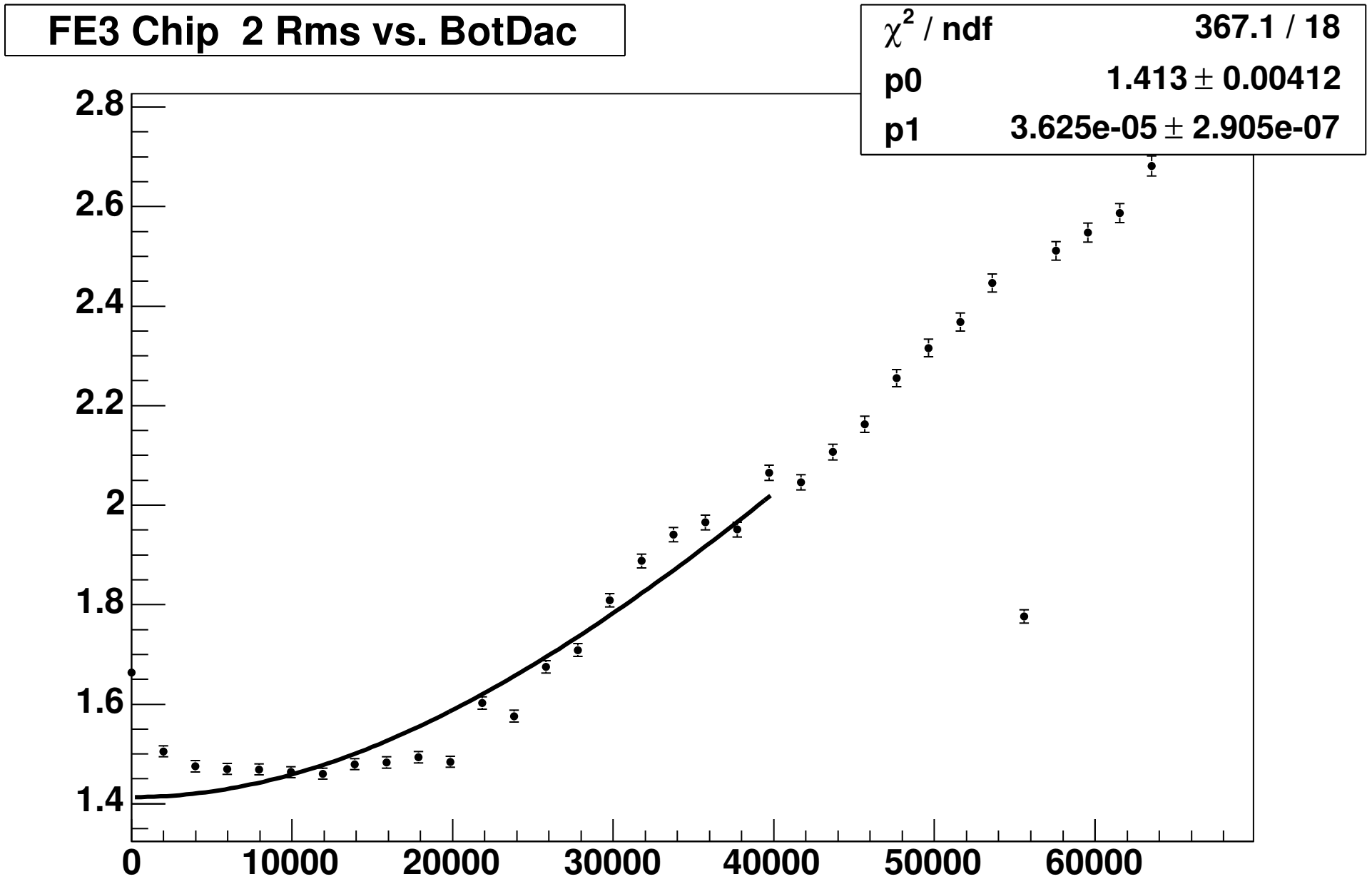
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

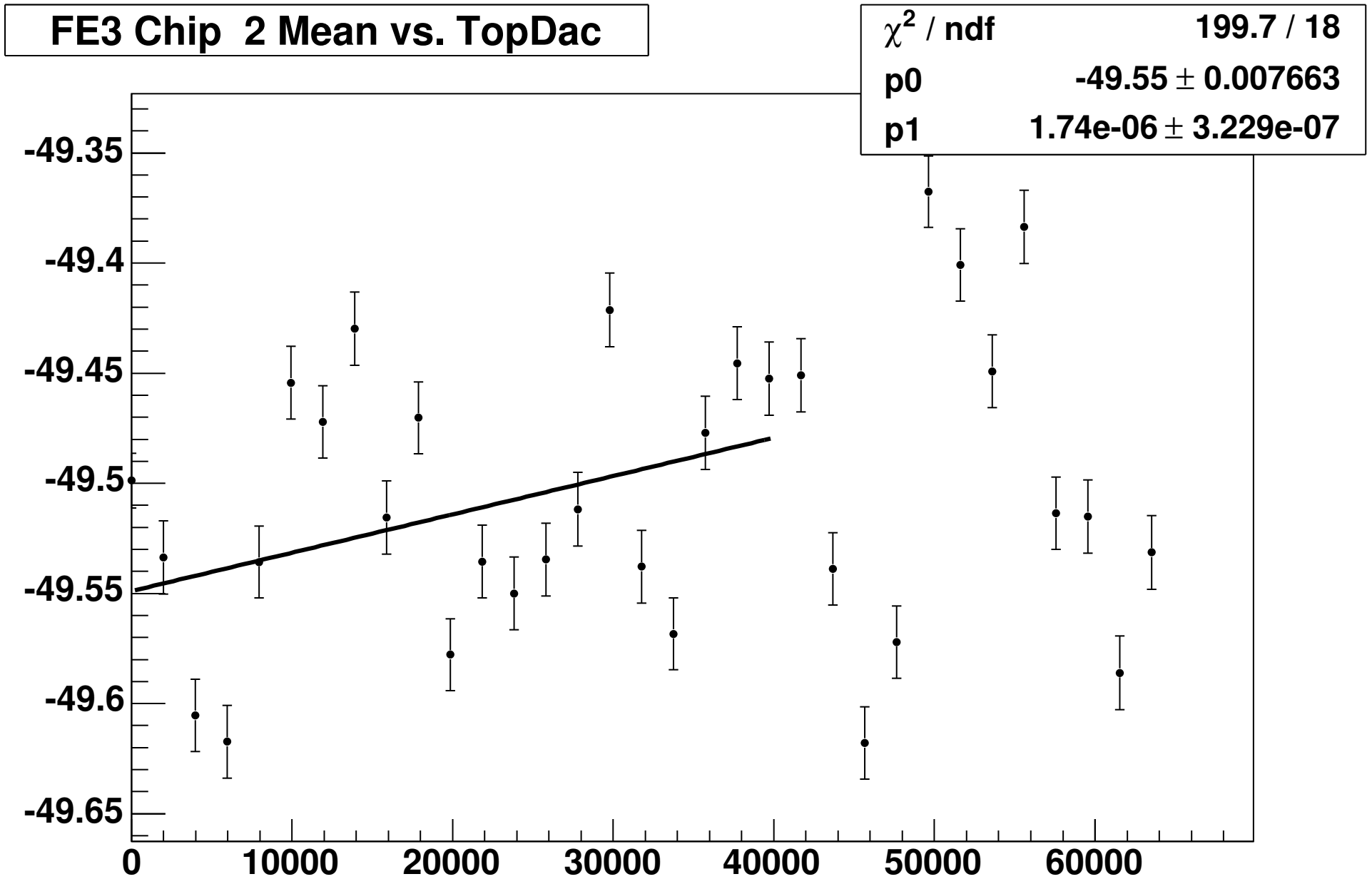

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 511.1 / 18
p0 1.381 ± 0.004062
p1 3.698e-05 ± 2.799e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

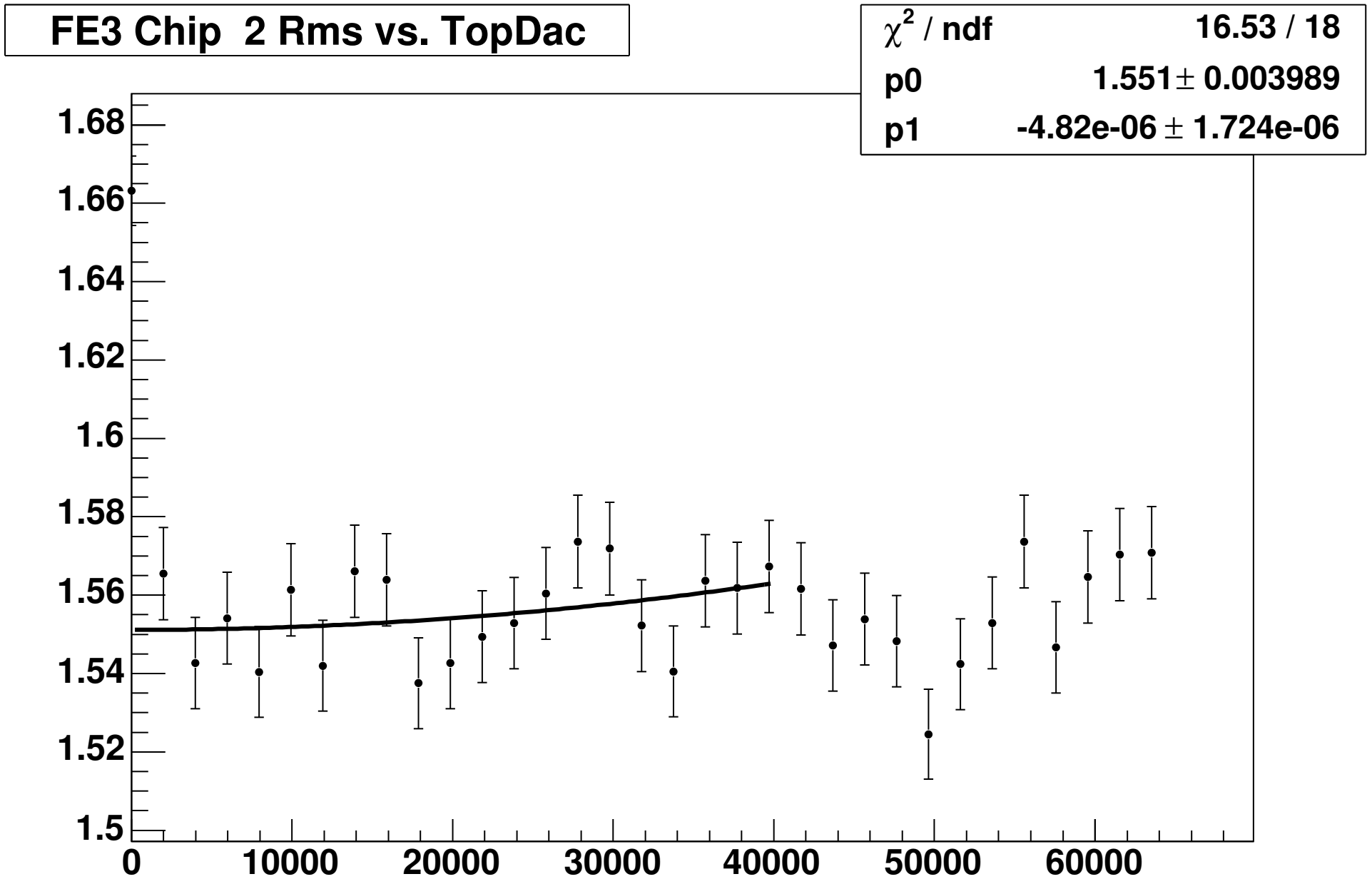

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 244.5 / 18
p0 -62.29 ± 0.007537
p1 2.794e-06 ± 3.169e-07
-62
-62.05
-62.1
-62.15
-62.2
-62.25
-62.3
-62.35
-62.4
0
10000
20000
30000
40000
50000
60000

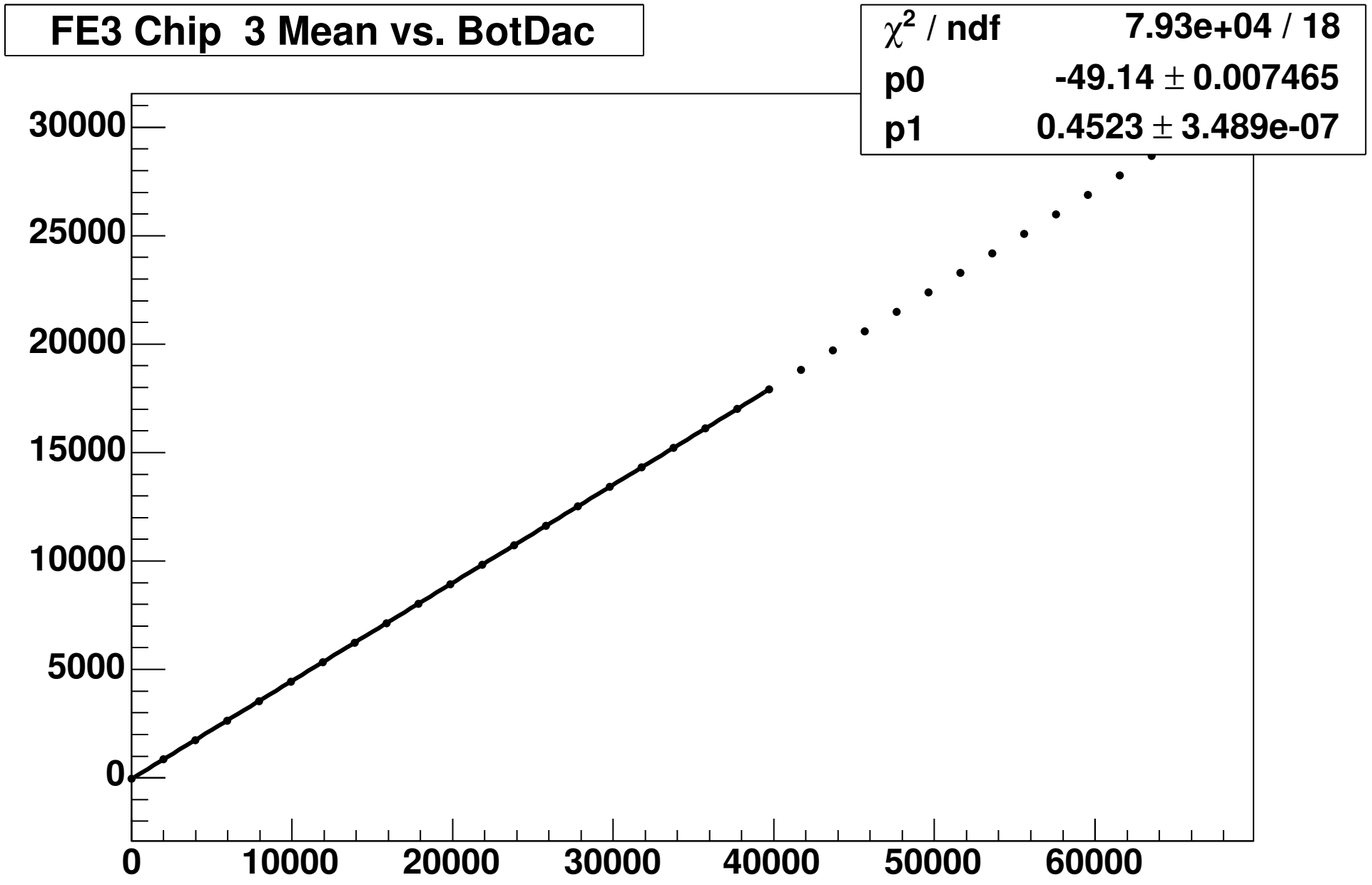

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 24.11 / 18
p0 1.527 ± 0.00257
p1 -6.049e-14 ± 1.046e-05
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

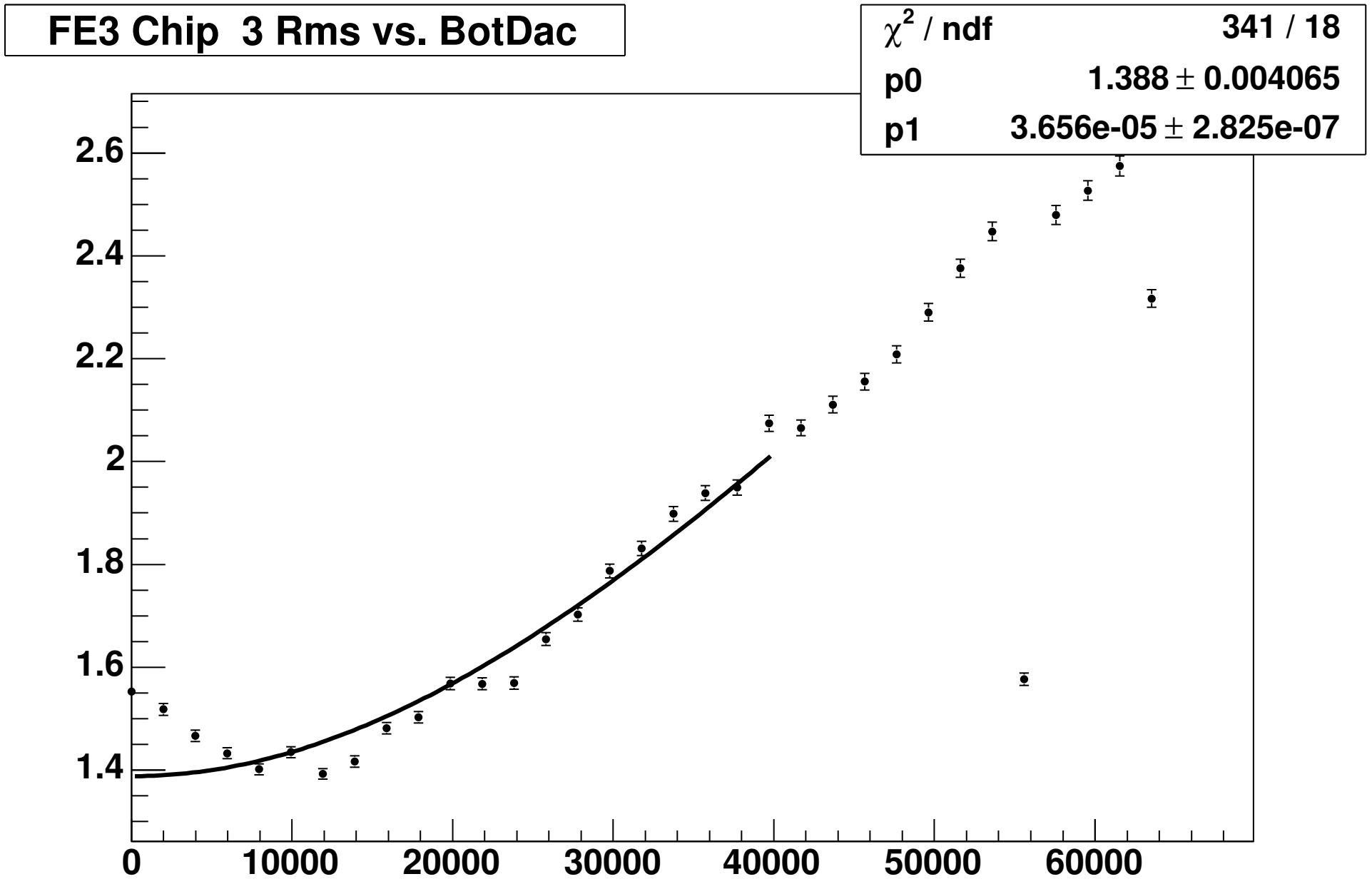

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.707e+04 / 18
p0 -47.88 ± 0.007582
p1 0.4523 ± 3.529e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

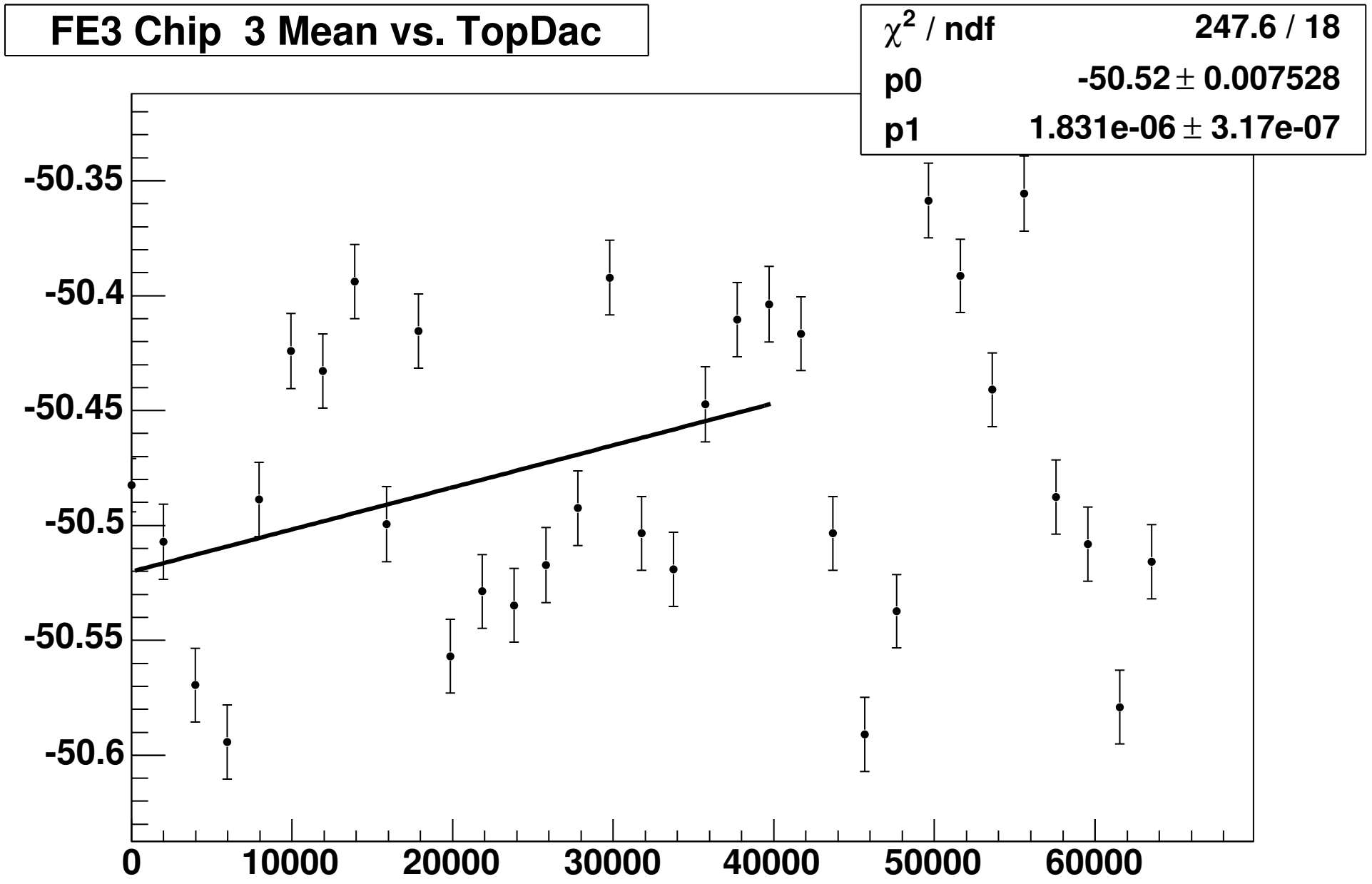

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 367.1 / 18
p0 1.413 ± 0.00412
p1 3.625e-05 ± 2.905e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

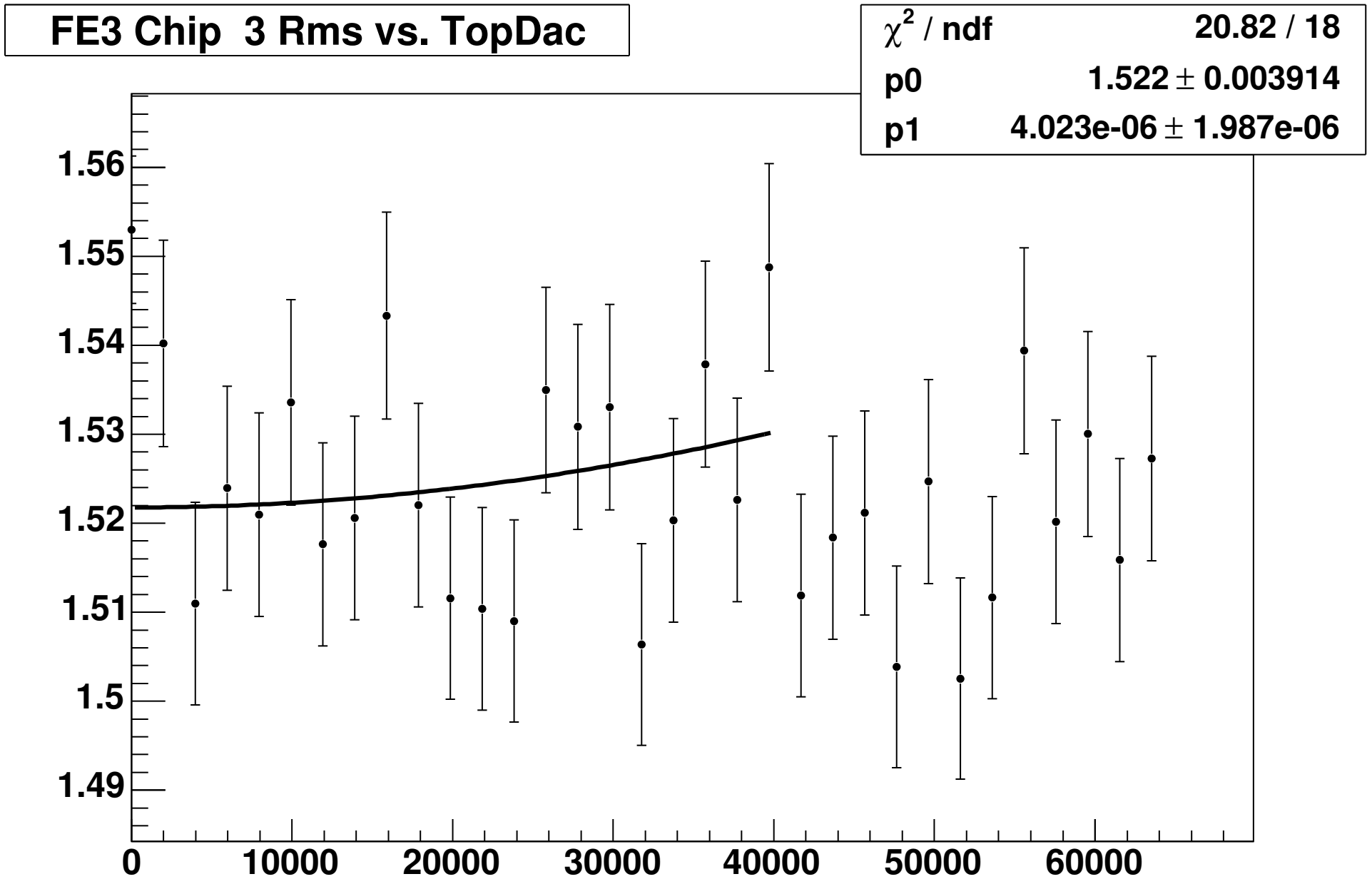

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 199.7 / 18
p0 -49.55 ± 0.007663
p1 1.74e-06 ± 3.229e-07
-49.35
-49.4
-49.45
-49.5
-49.55
-49.6
-49.65
0
10000
20000
30000
40000
50000
60000

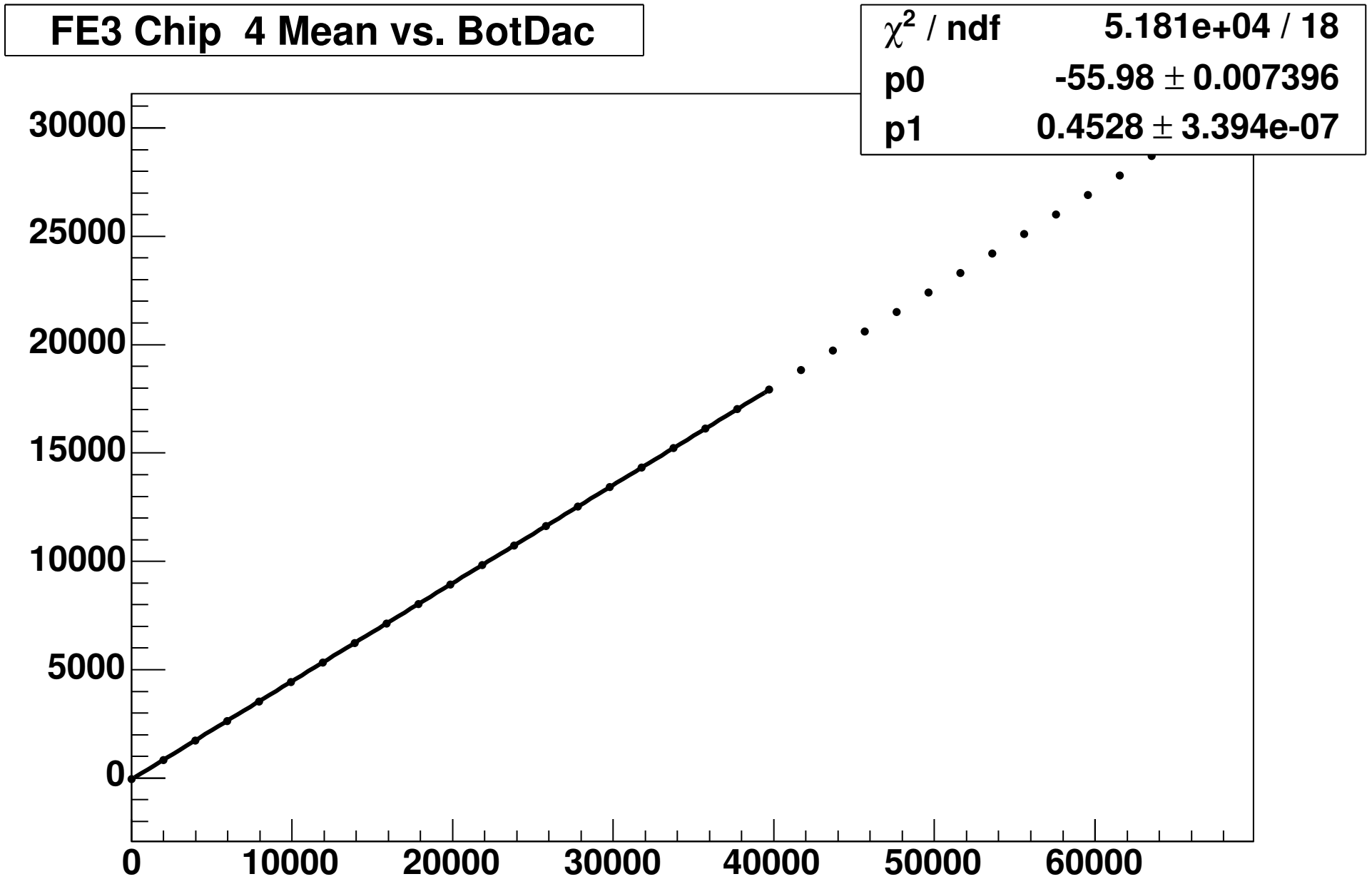

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 16.53 / 18
p0 1.551 ± 0.003989
p1 -4.82e-06 ± 1.724e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

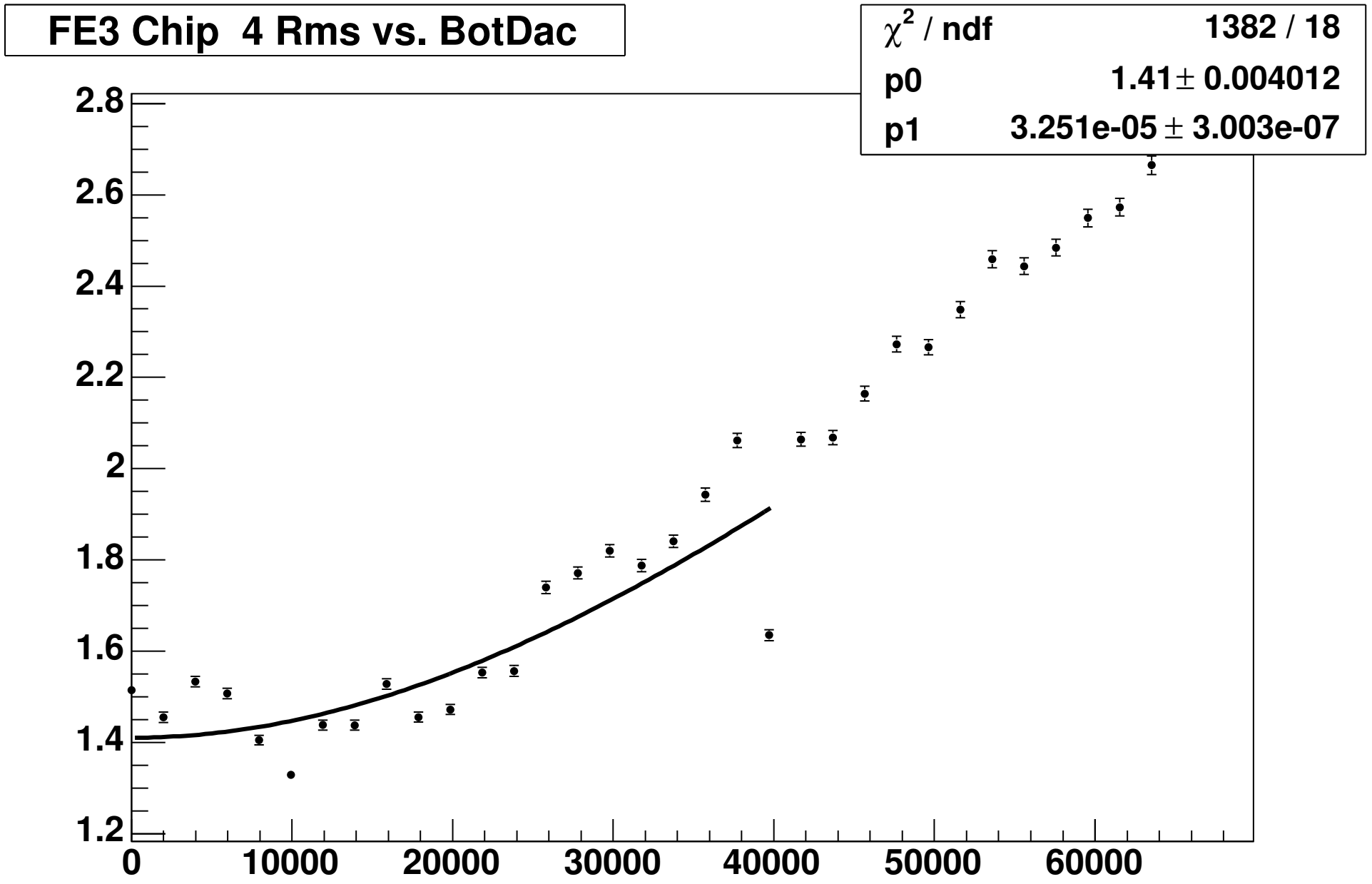

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 7.93e+04 / 18
p0 -49.14 ± 0.007465
p1 0.4523 ± 3.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

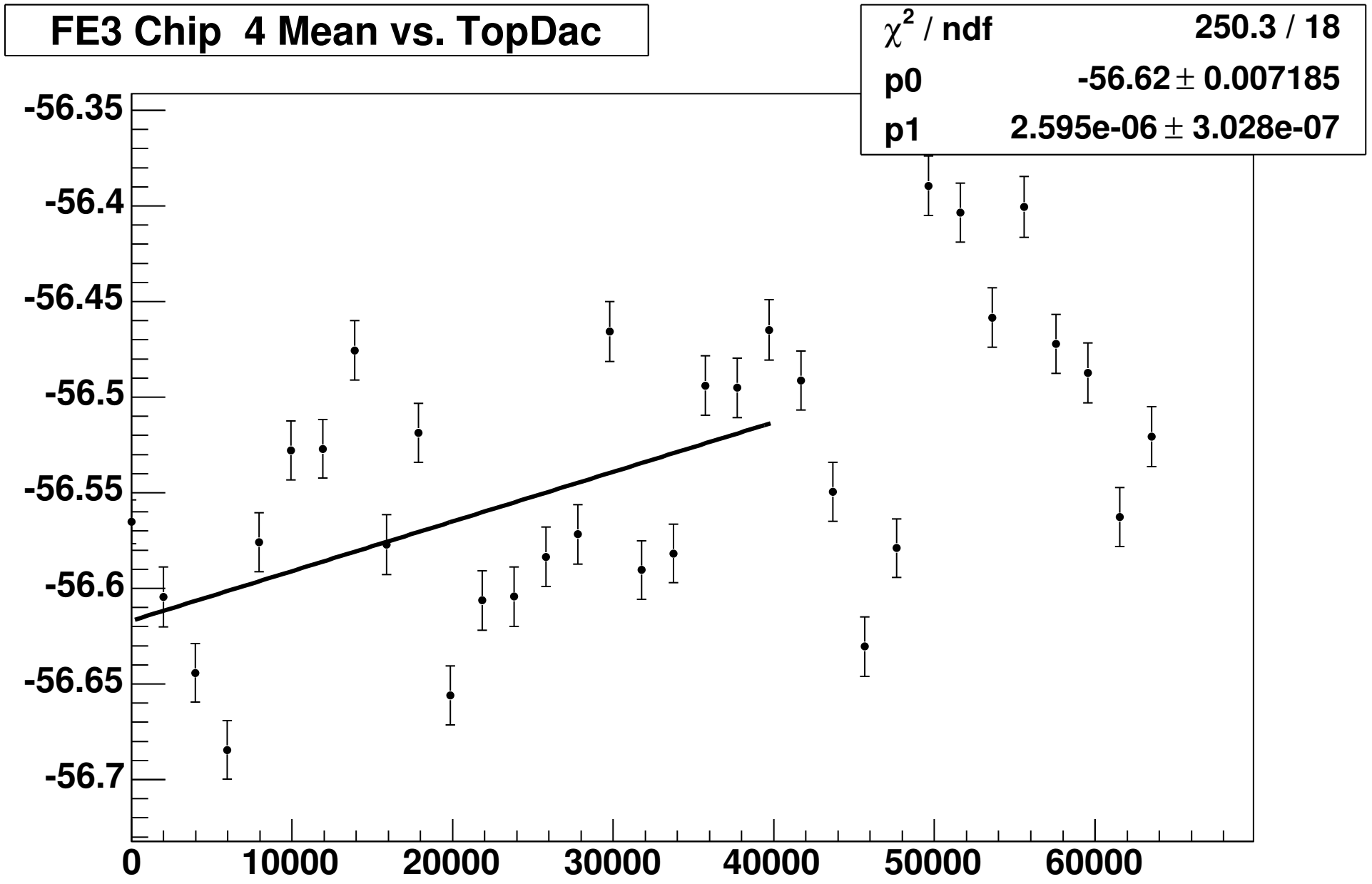

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 341 / 18
p0 1.388 ± 0.004065
p1 3.656e-05 ± 2.825e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

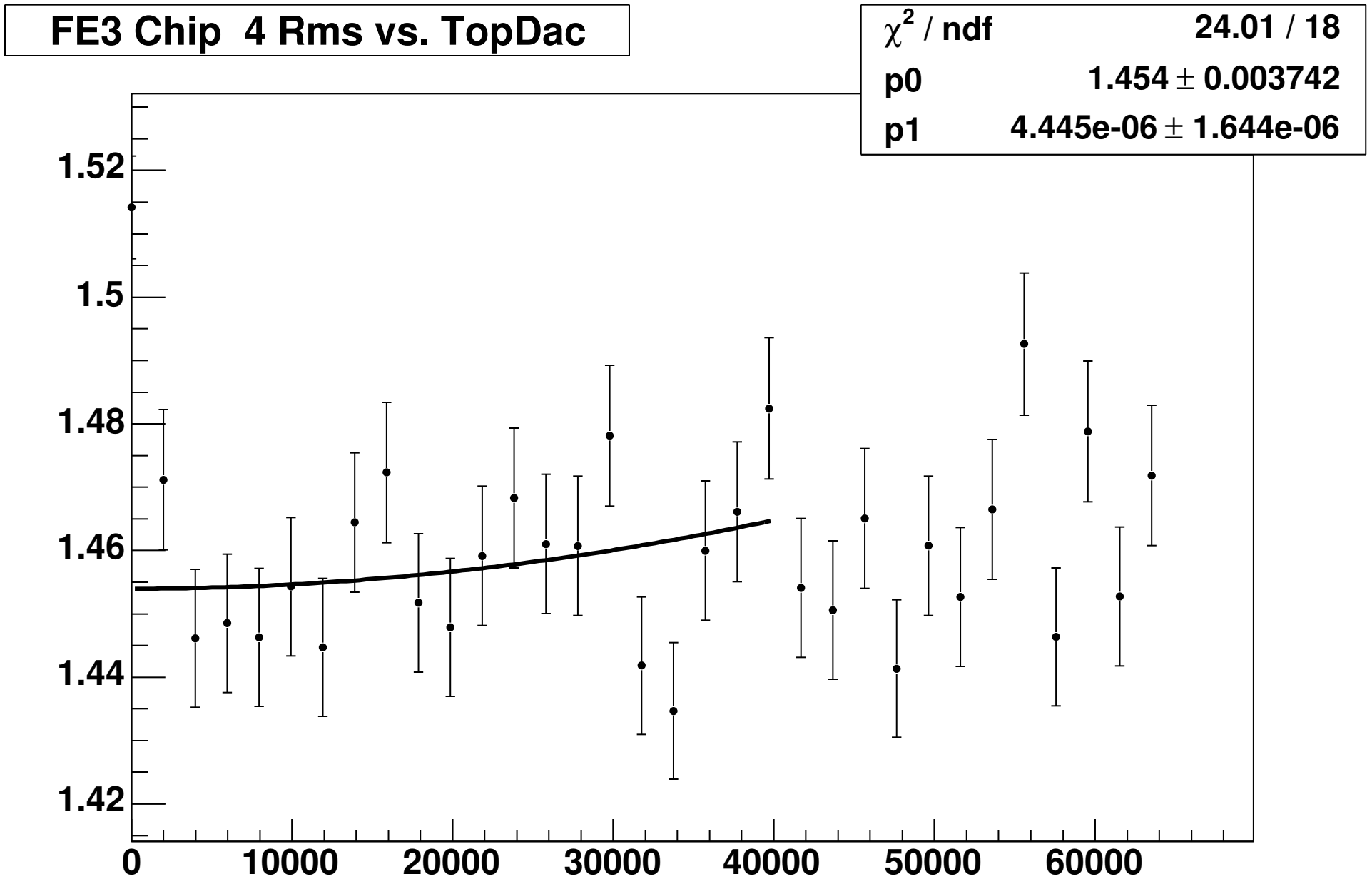

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 247.6 / 18
p0 -50.52 ± 0.007528
p1 1.831e-06 ± 3.17e-07
-50.35
-50.4
-50.45
-50.5
-50.55
-50.6
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 20.82 / 18
p0 1.522 ± 0.003914
p1 4.023e-06 ± 1.987e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 5.181e+04 / 18
p0 -55.98 ± 0.007396
p1 0.4528 ± 3.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1382 / 18
p0 1.41 ± 0.004012
p1 3.251e-05 ± 3.003e-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 4 Mean vs. TopDac
χ² / ndf 250.3 / 18
p0 -56.62 ± 0.007185
p1 2.595e-06 ± 3.028e-07
-56.35
-56.4
-56.45
-56.5
-56.55
-56.6
-56.65
-56.7
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 24.01 / 18
p0 1.454 ± 0.003742
p1 4.445e-06 ± 1.644e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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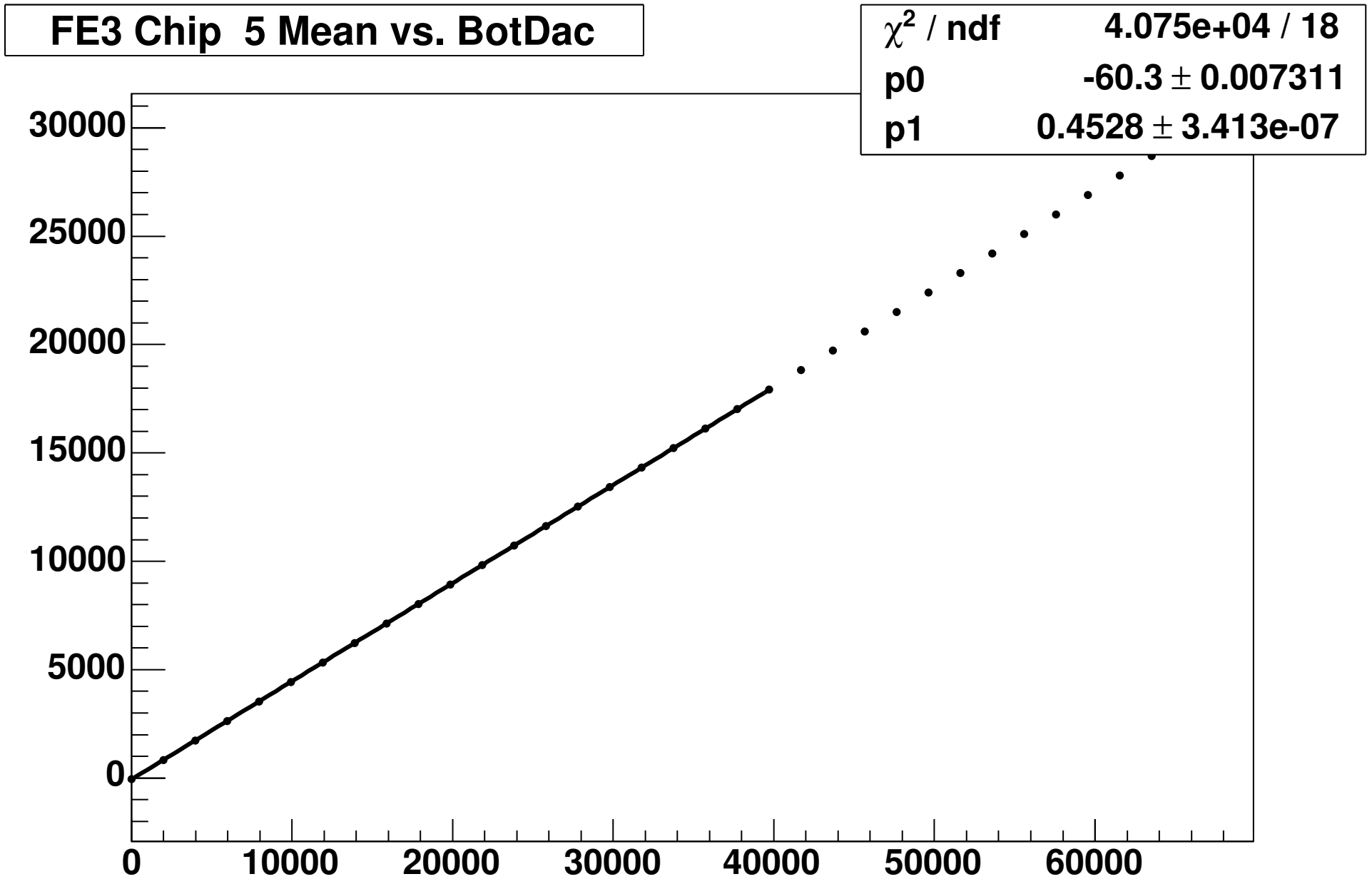
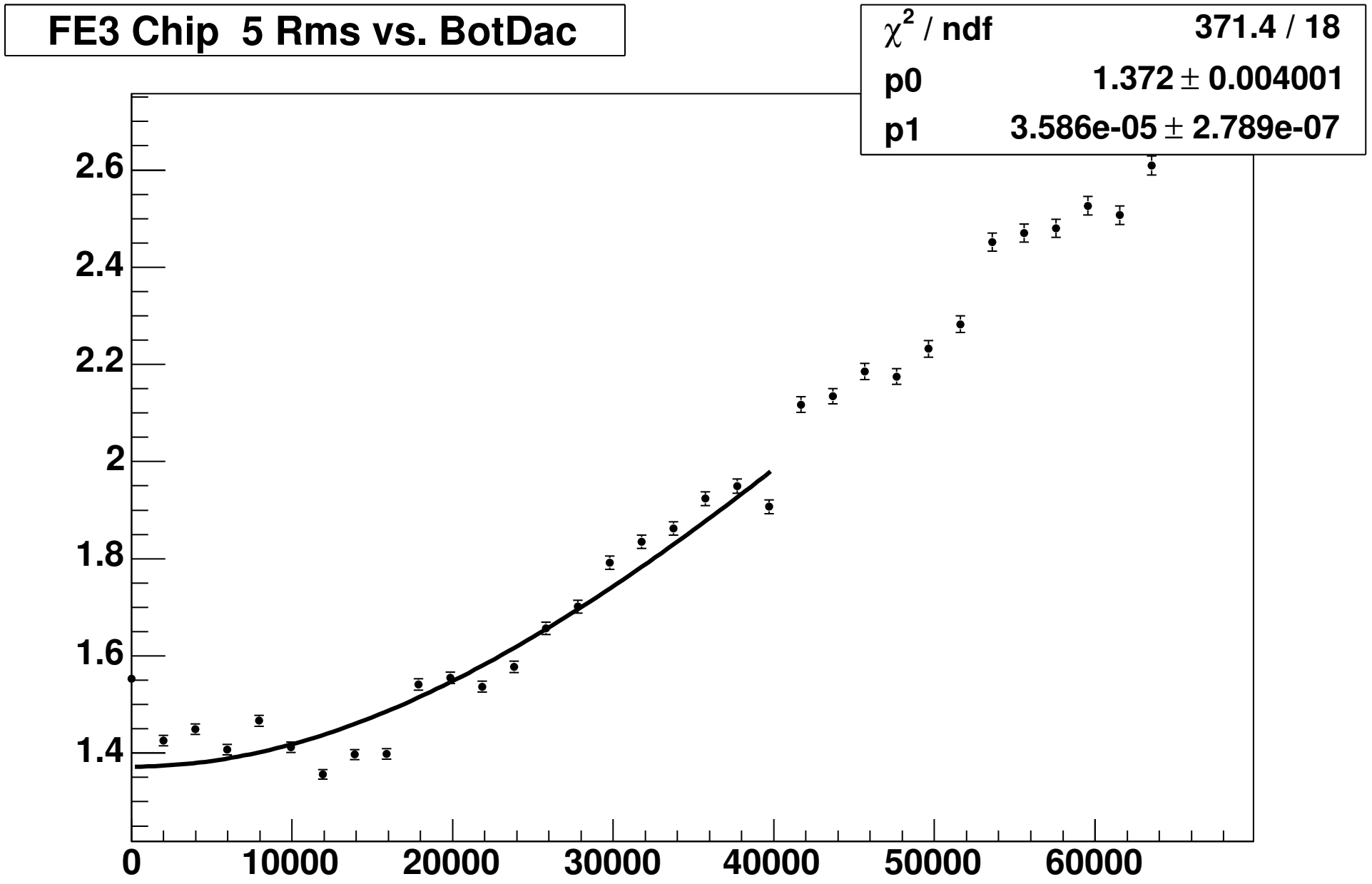
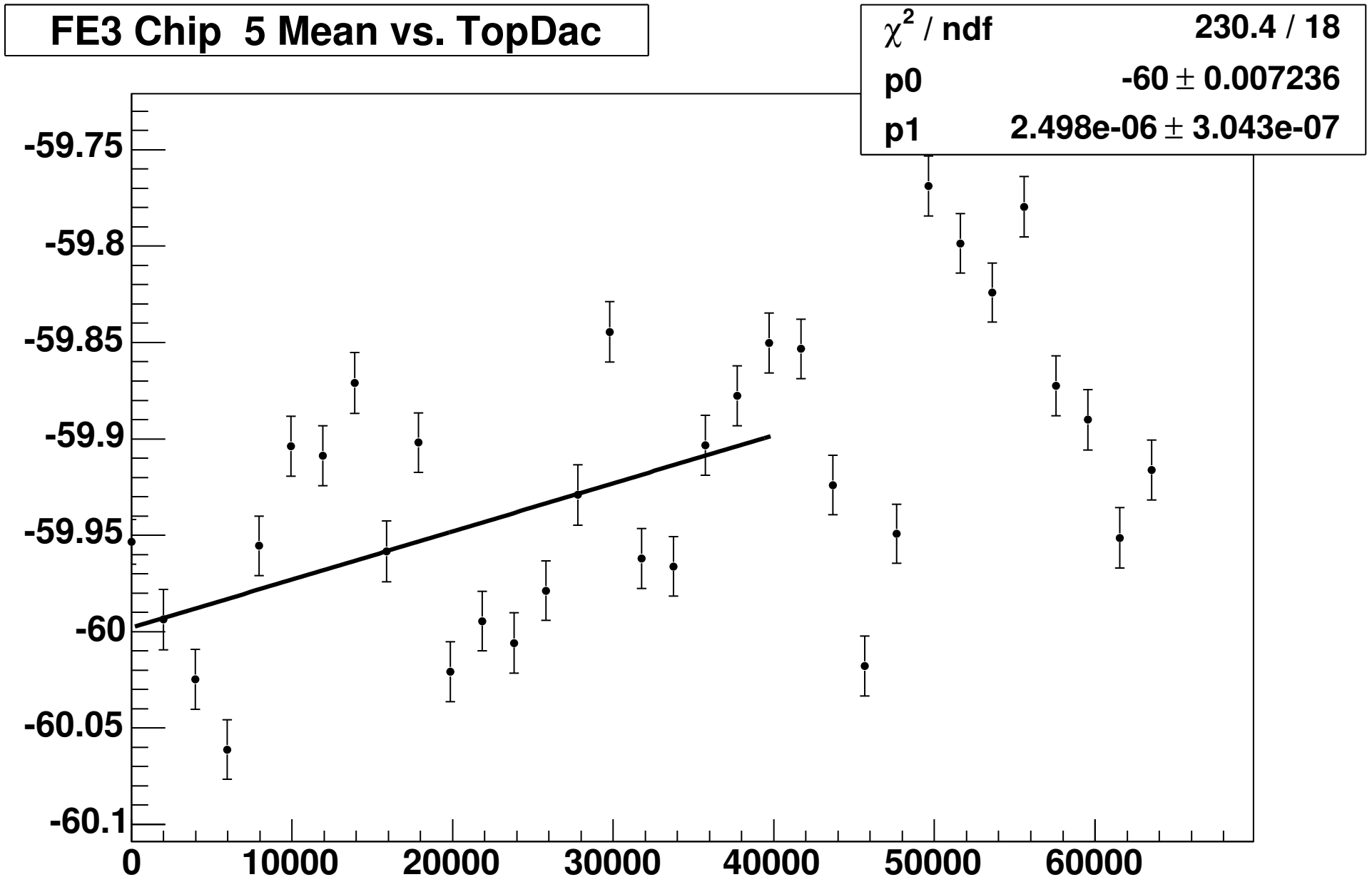

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.075e+04 / 18
p0 -60.3 ± 0.007311
p1 0.4528 ± 3.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 371.4 / 18
p0 1.372 ± 0.004001
p1 3.586e-05 ± 2.789e-07
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
χ² / ndf 230.4 / 18
p0 -60 ± 0.007236
p1 2.498e-06 ± 3.043e-07
-59.75
-59.8
-59.85
-59.9
-59.95
-60
-60.05
-60.1
0
10000
20000
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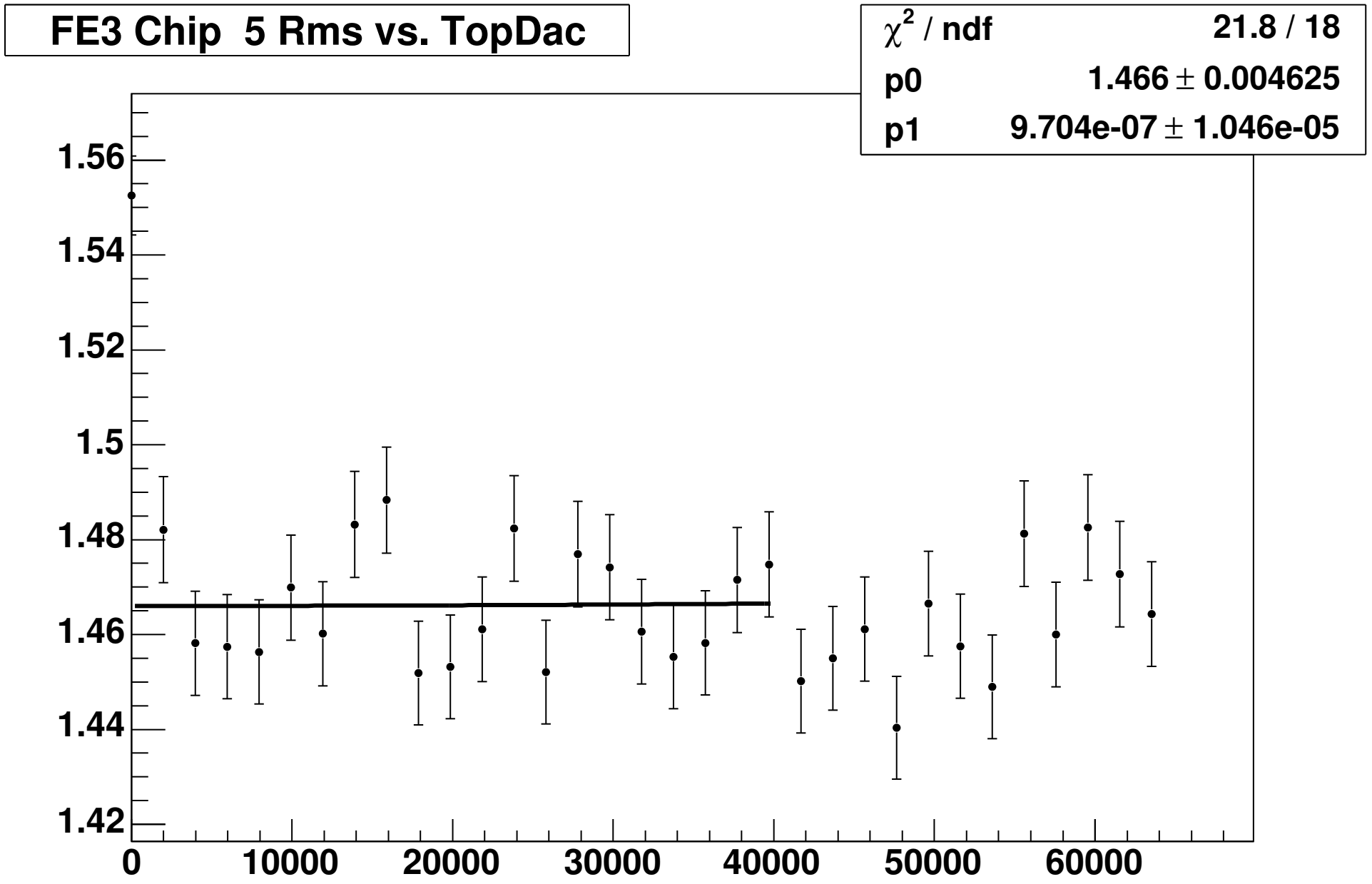
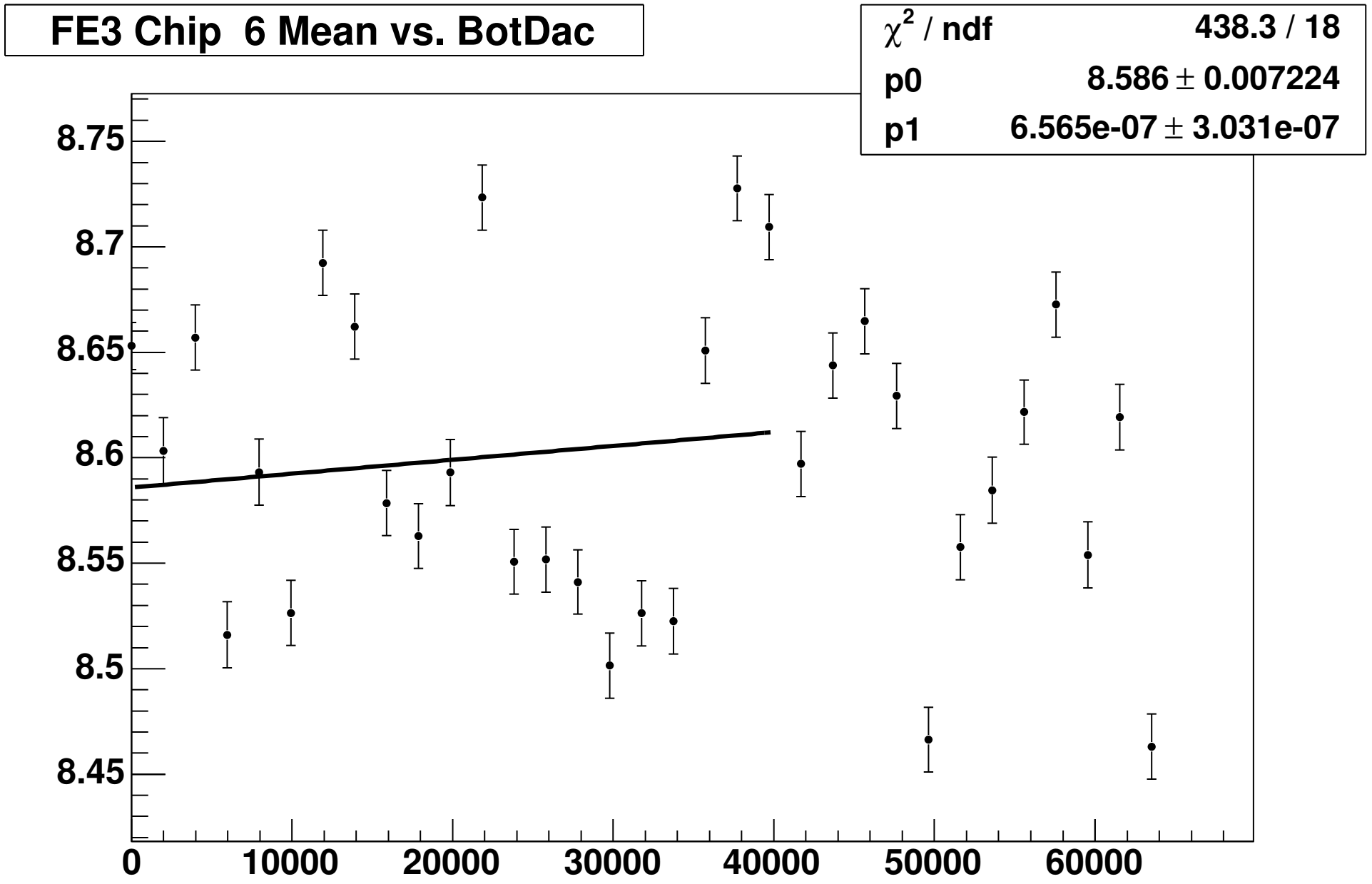
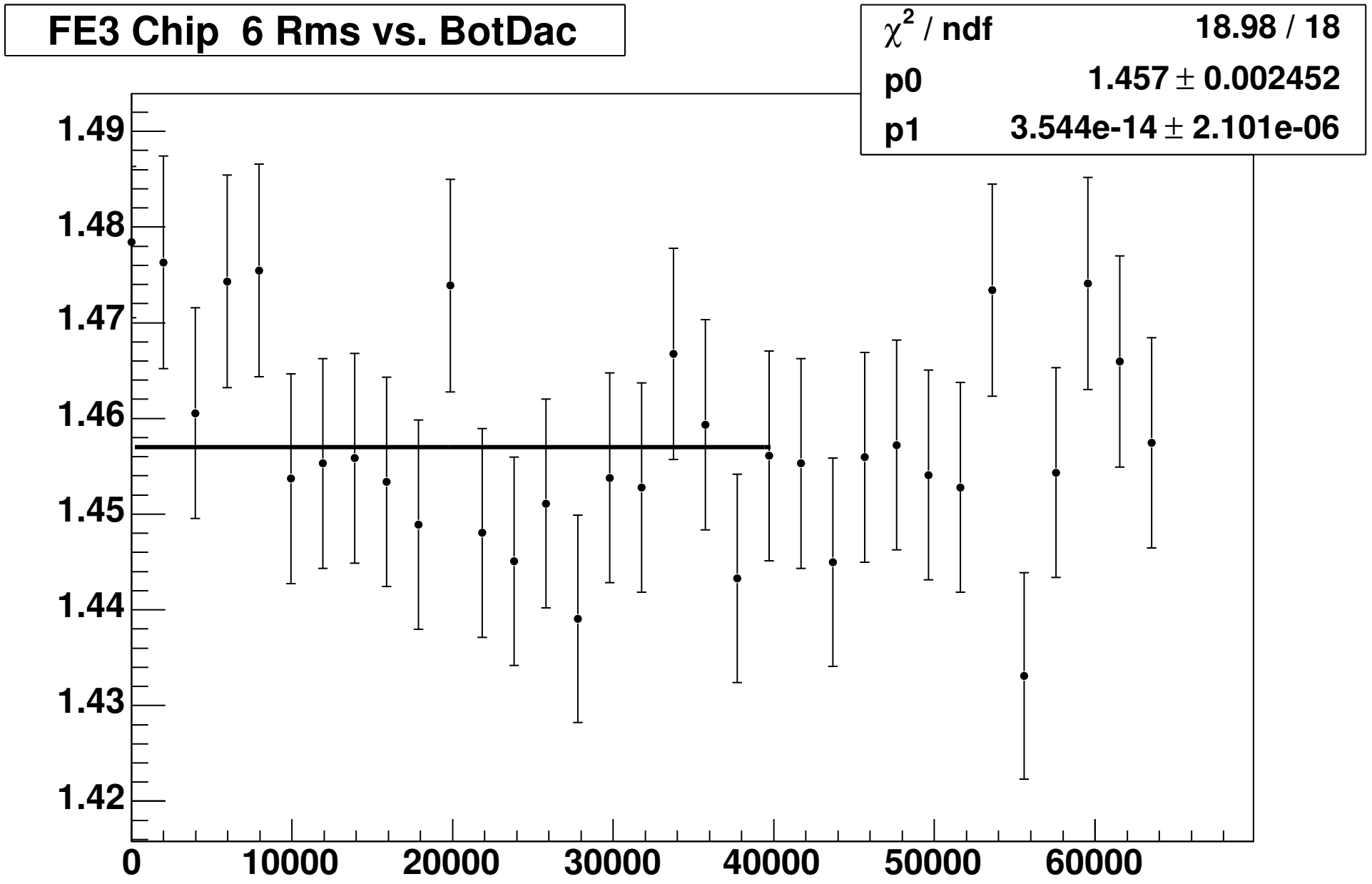
60000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 21.8 / 18
p0 1.466 ± 0.004625
p1 9.704e-07 ± 1.046e-05
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 438.3 / 18
p0 8.586 ± 0.007224
p1 6.565e-07 ± 3.031e-07
8.75
8.7
8.65
8.6
8.55
8.5
8.45
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 18.98 / 18
p0 1.457 ± 0.002452
p1 3.544e-14 ± 2.101e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
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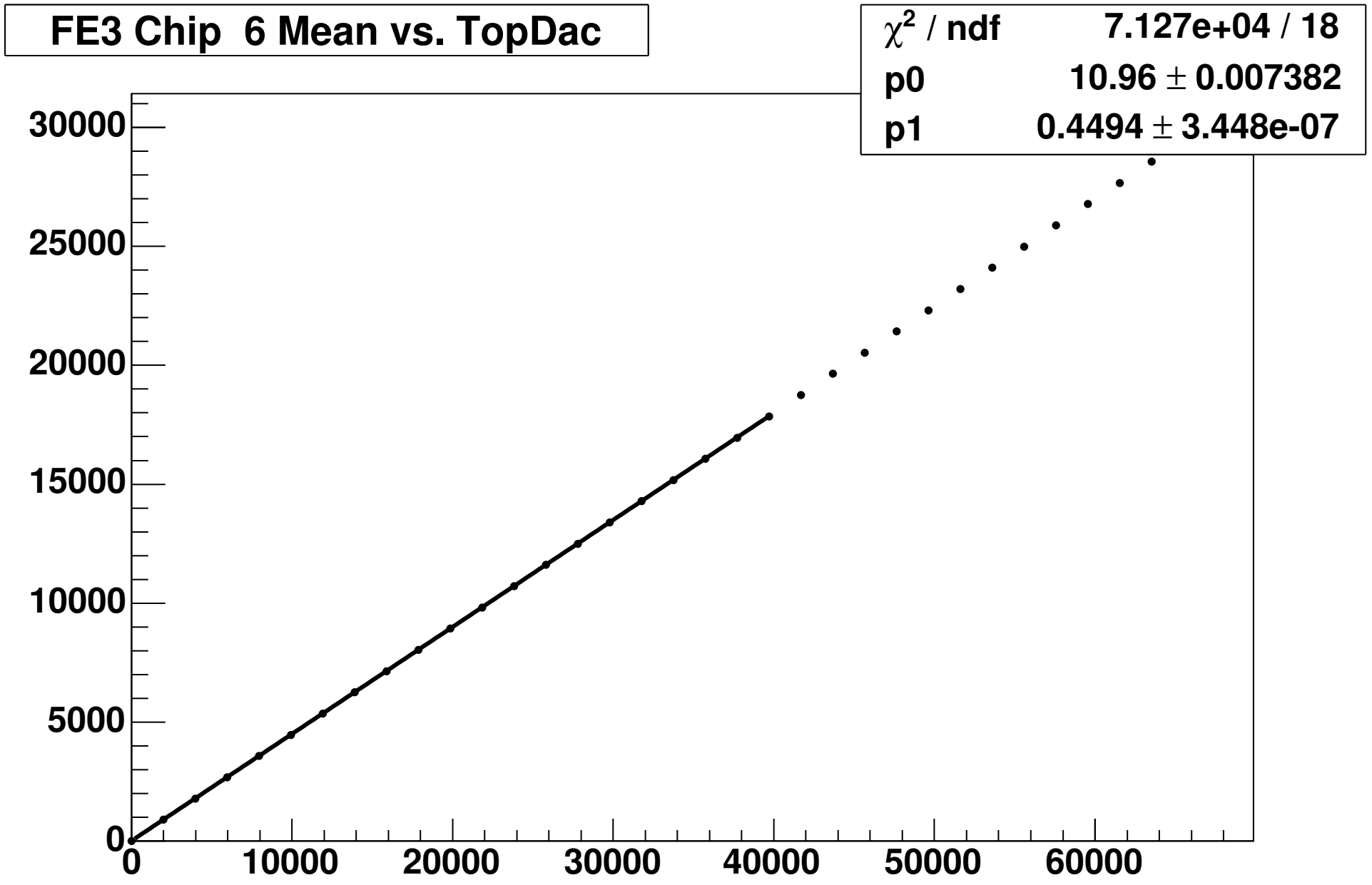
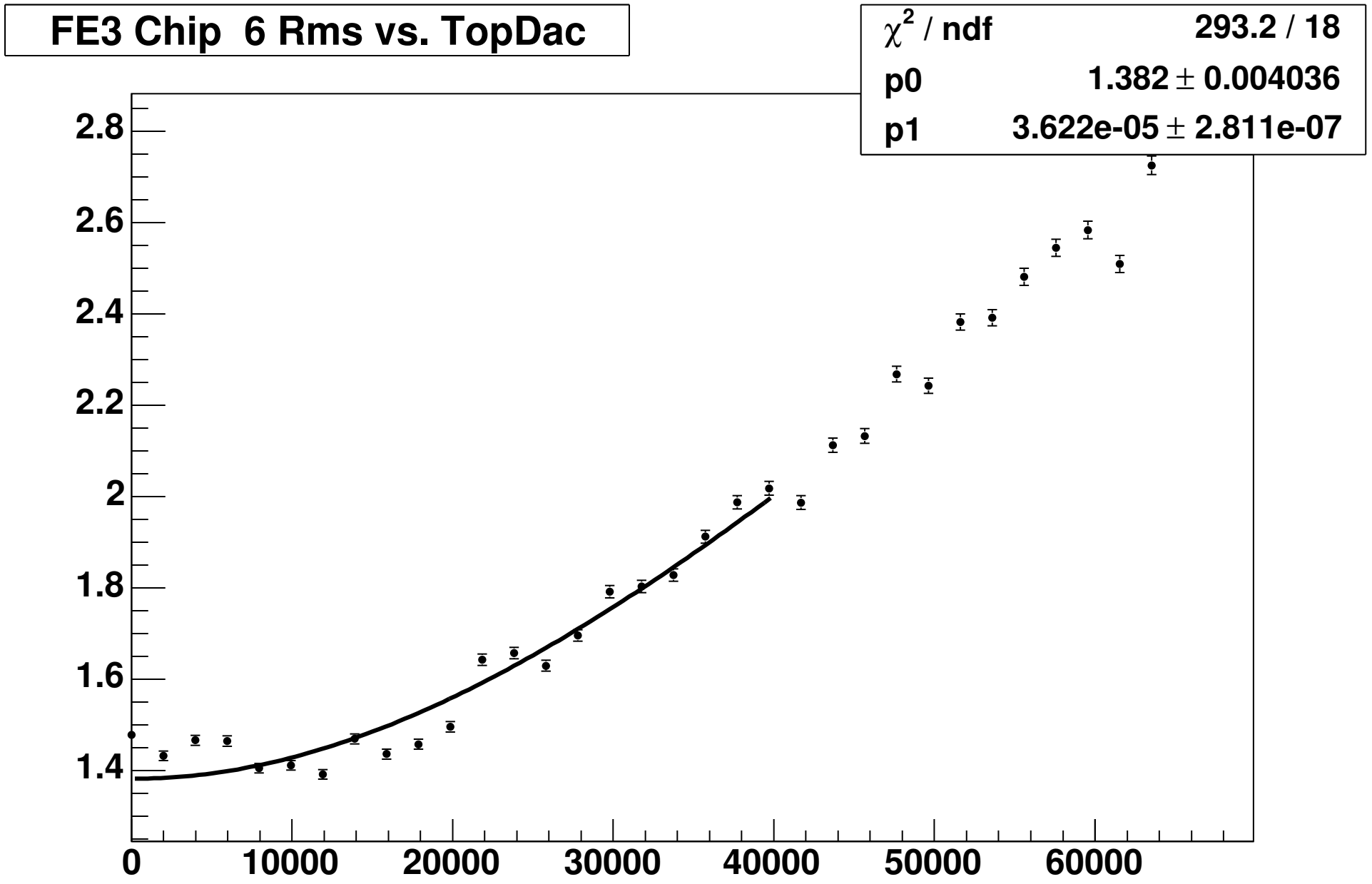
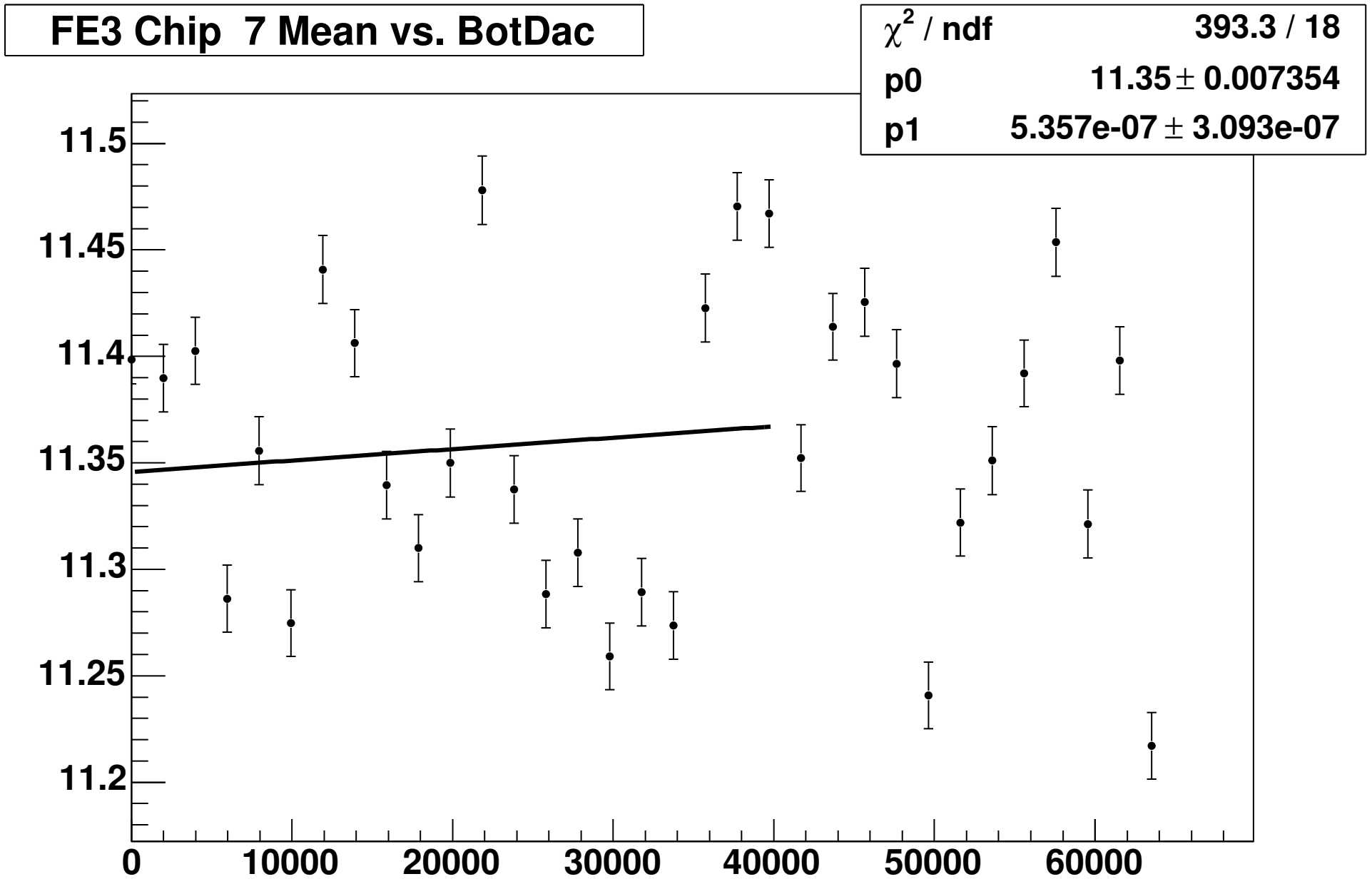
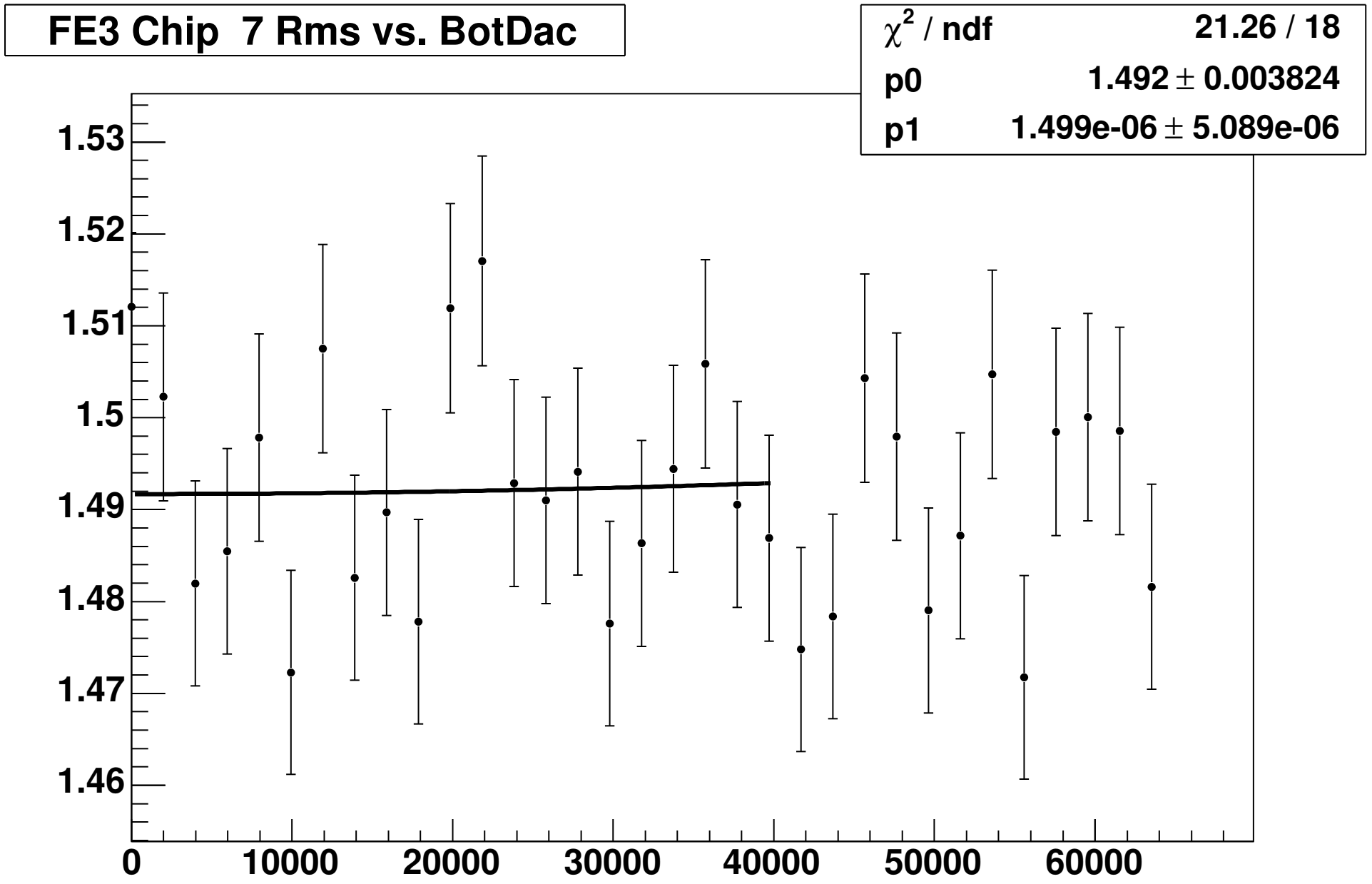
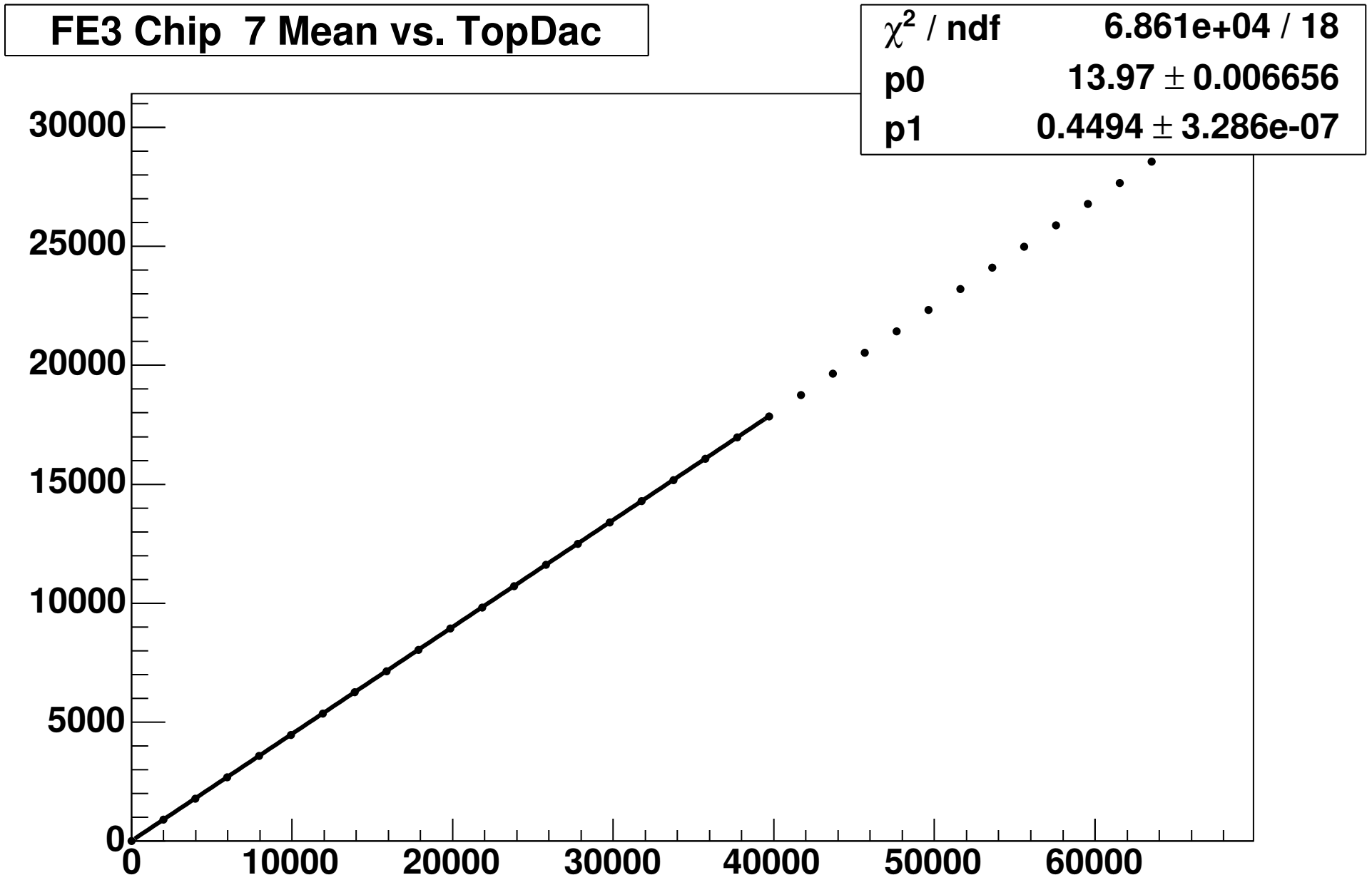
50000
60000

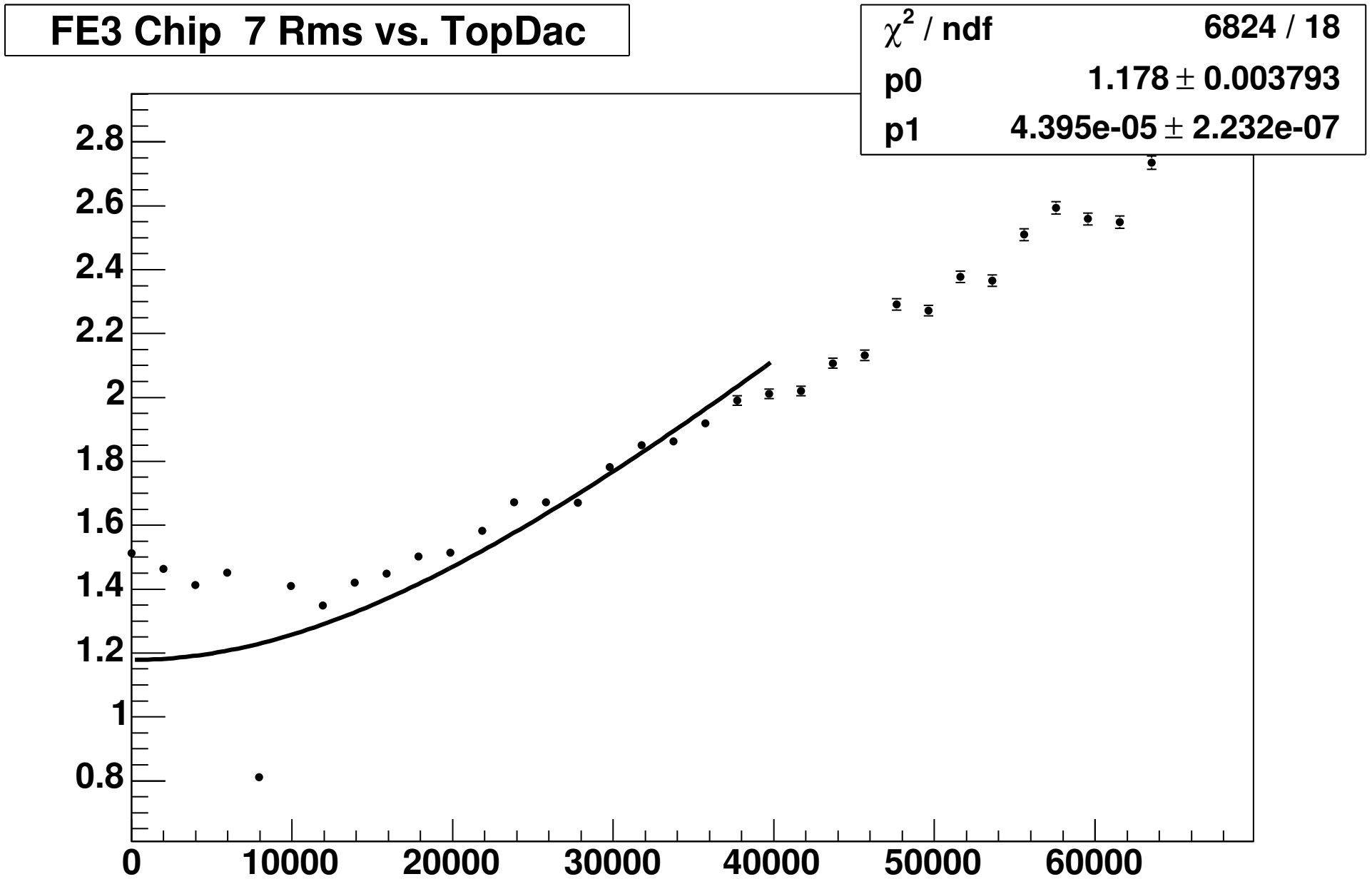

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 7.127e+04 / 18
p0 10.96 ± 0.007382
p1 0.4494 ± 3.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

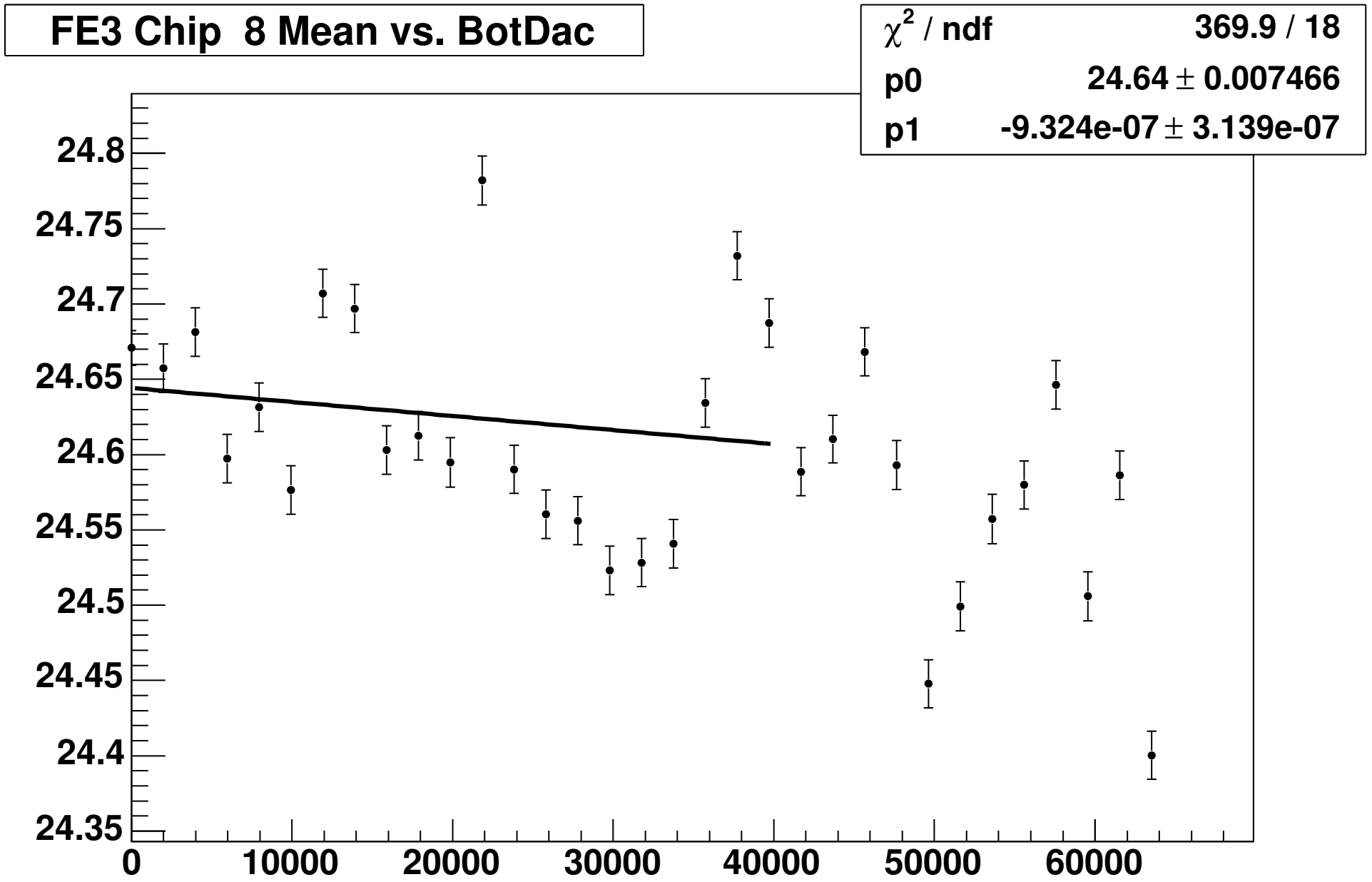

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 293.2 / 18
p0 1.382 ± 0.004036
p1 3.622e-05 ± 2.811e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

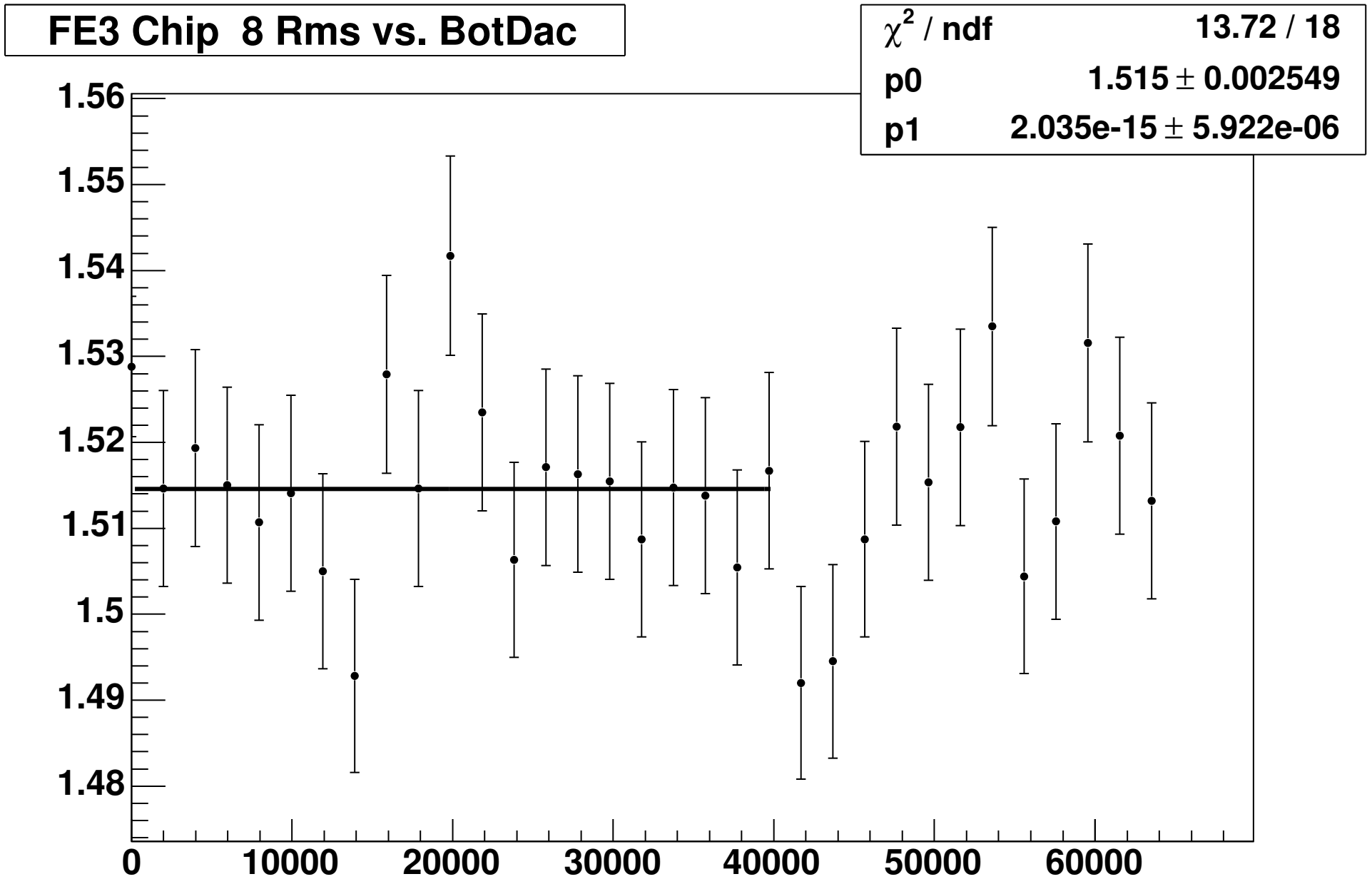

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 393.3 / 18
p0 11.35 ± 0.007354
p1 5.357e-07 ± 3.093e-07
11.5
11.45
11.4
11.35
11.3
11.25
11.2
0
10000
20000
30000
40000
50000
60000

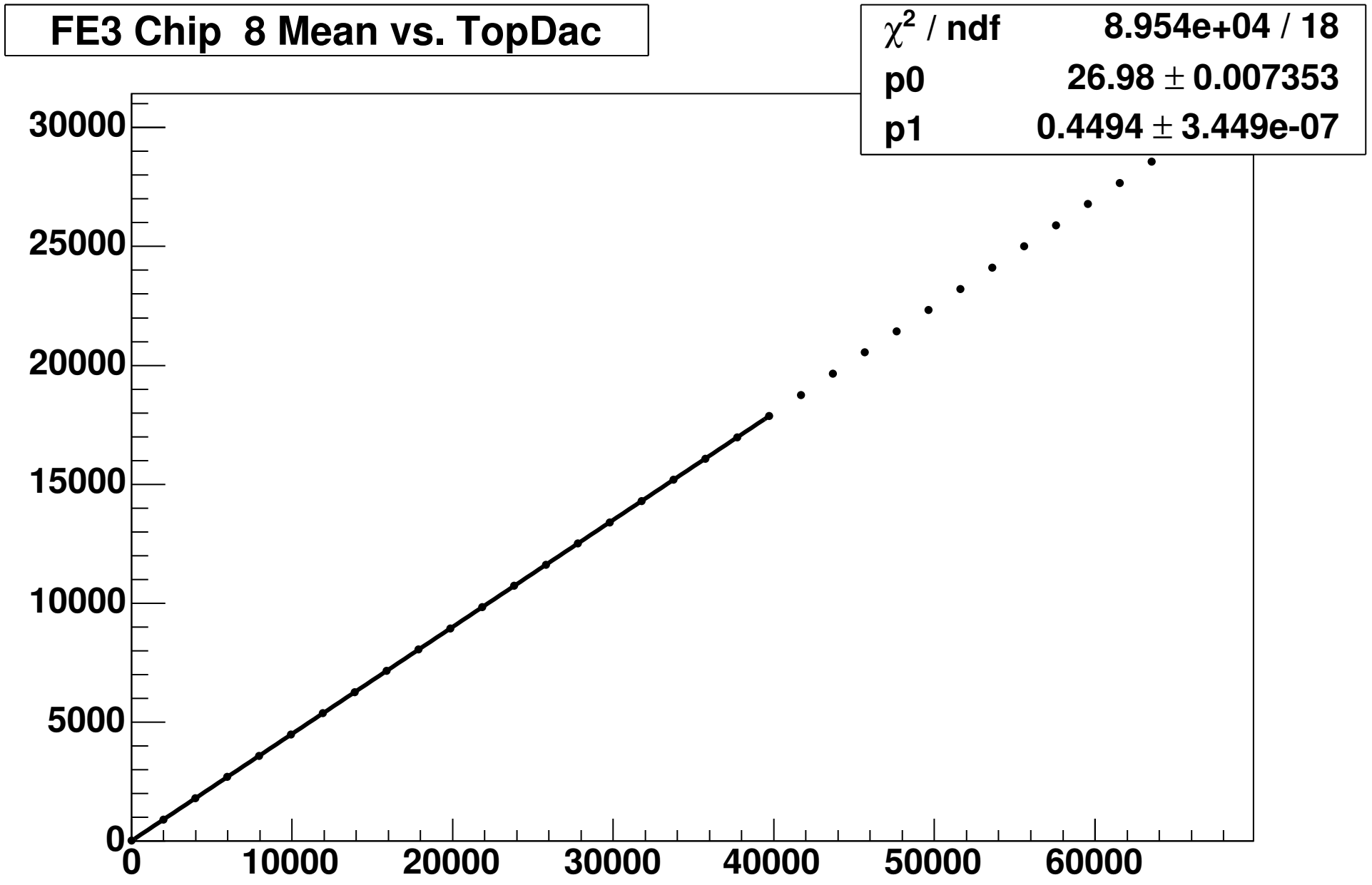

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 21.26 / 18
p0 1.492 ± 0.003824
p1 1.499e-06 ± 5.089e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

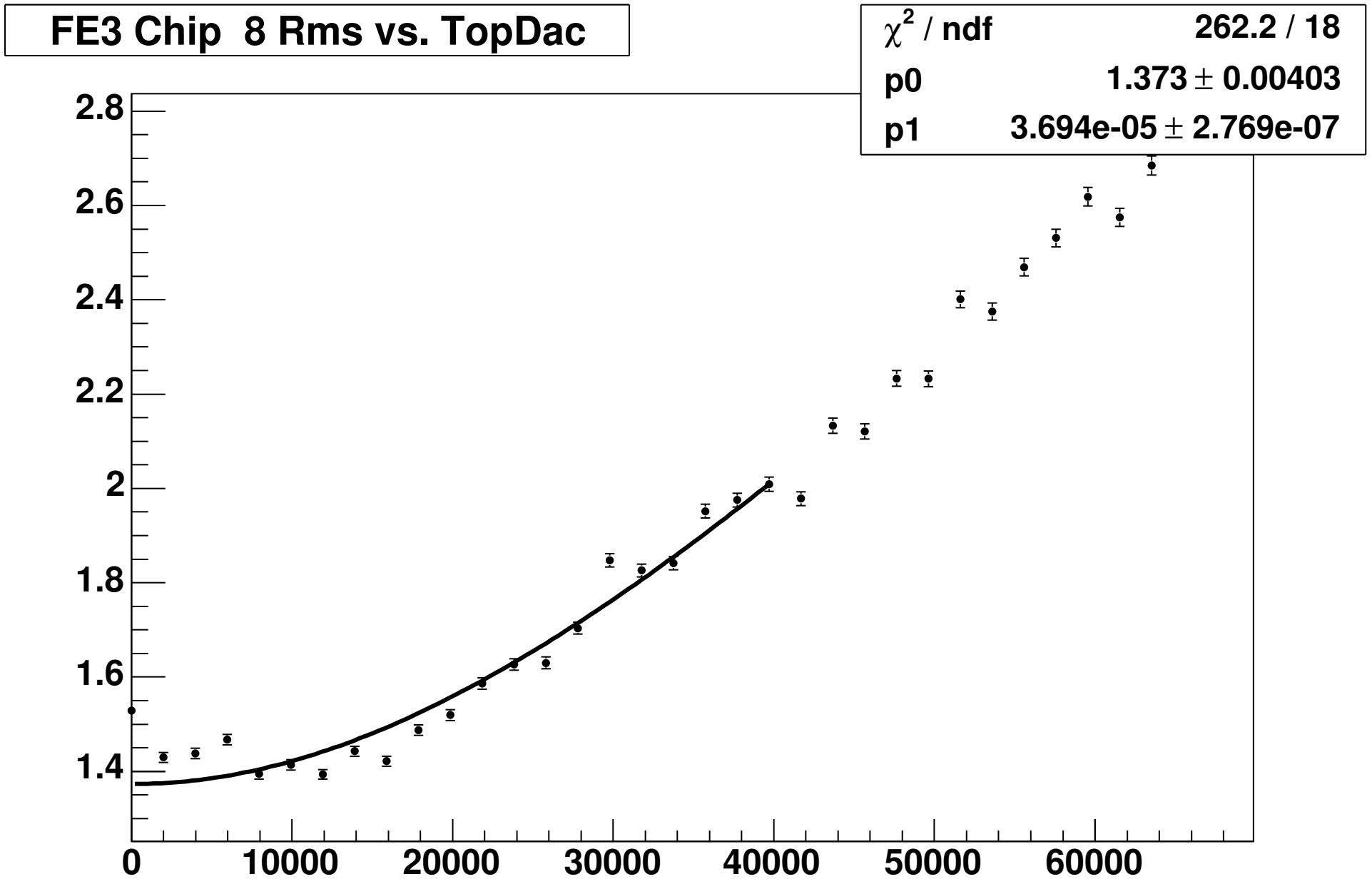

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 6.861e+04 / 18
p0 13.97 ± 0.006656
p1 0.4494 ± 3.286e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

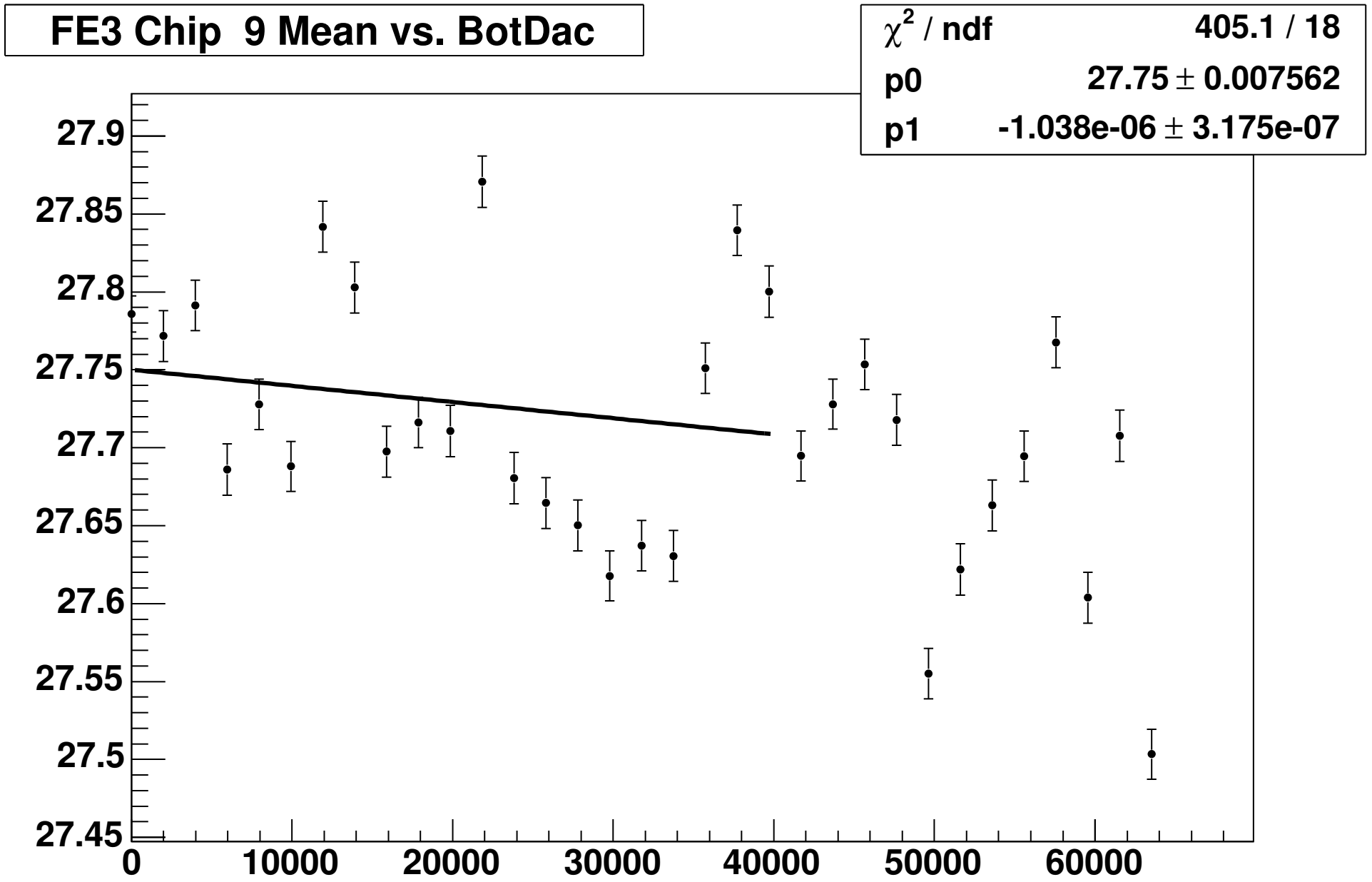

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 6824 / 18
p0 1.178 ± 0.003793
p1 4.395e-05 ± 2.232e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000

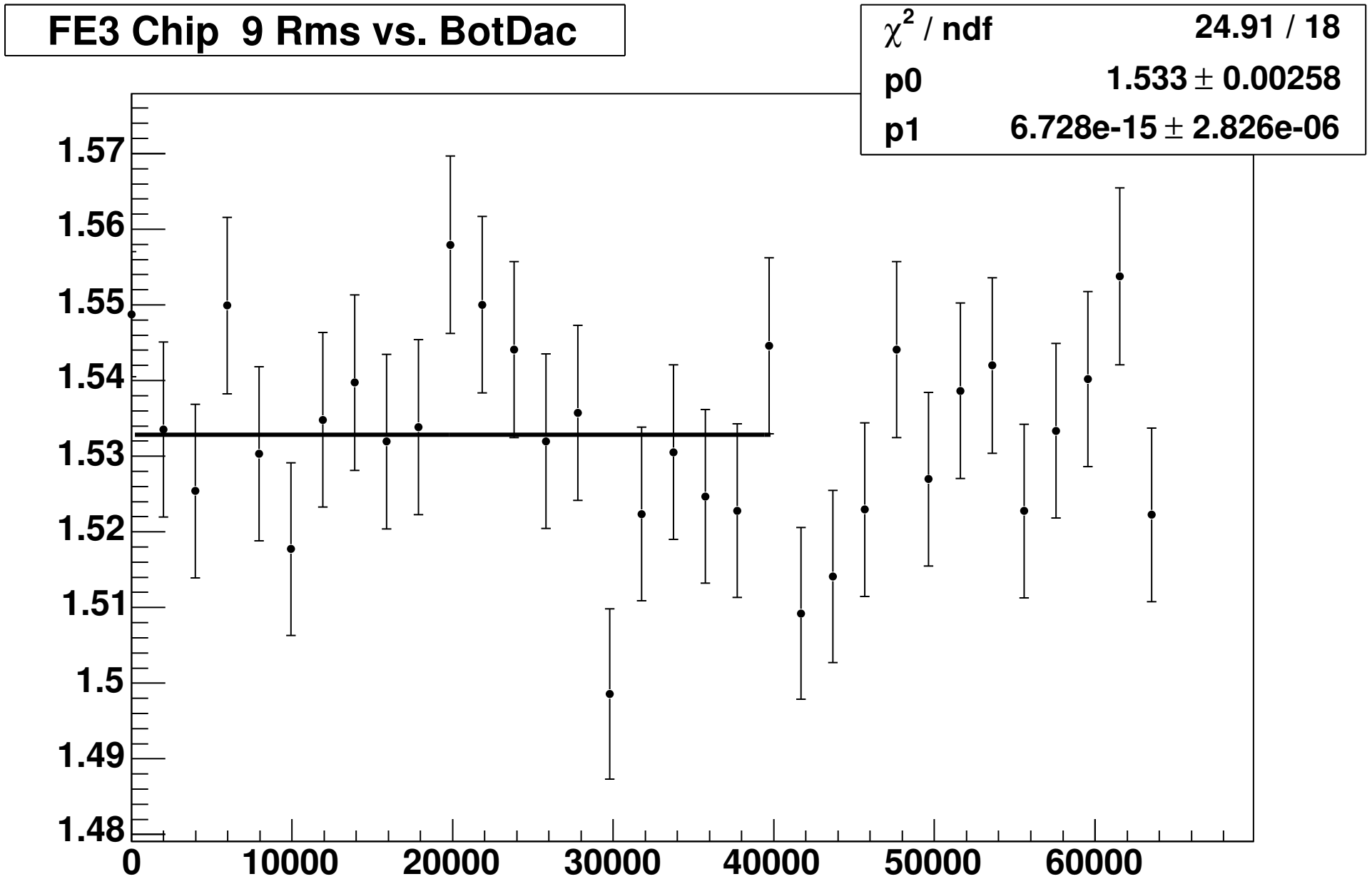

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 369.9 / 18
p0 24.64 ± 0.007466
p1 -9.324e-07 ± 3.139e-07
24.8
24.75
24.7
24.65
24.6
24.55
24.5
24.45
24.4
24.35
0
10000
20000
30000
40000
50000
60000

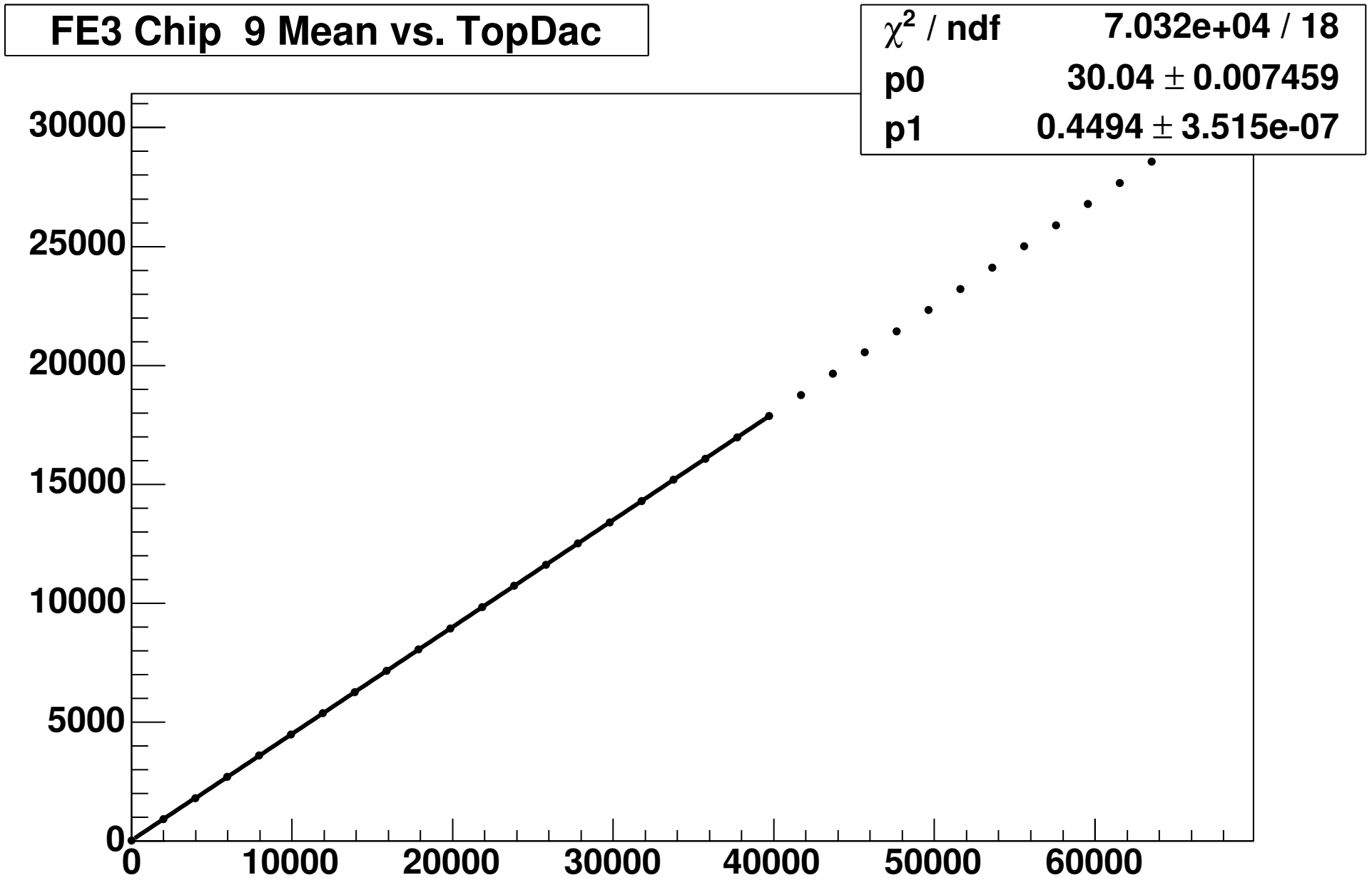

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 13.72 / 18
p0 1.515 ± 0.002549
p1 2.035e-15 ± 5.922e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

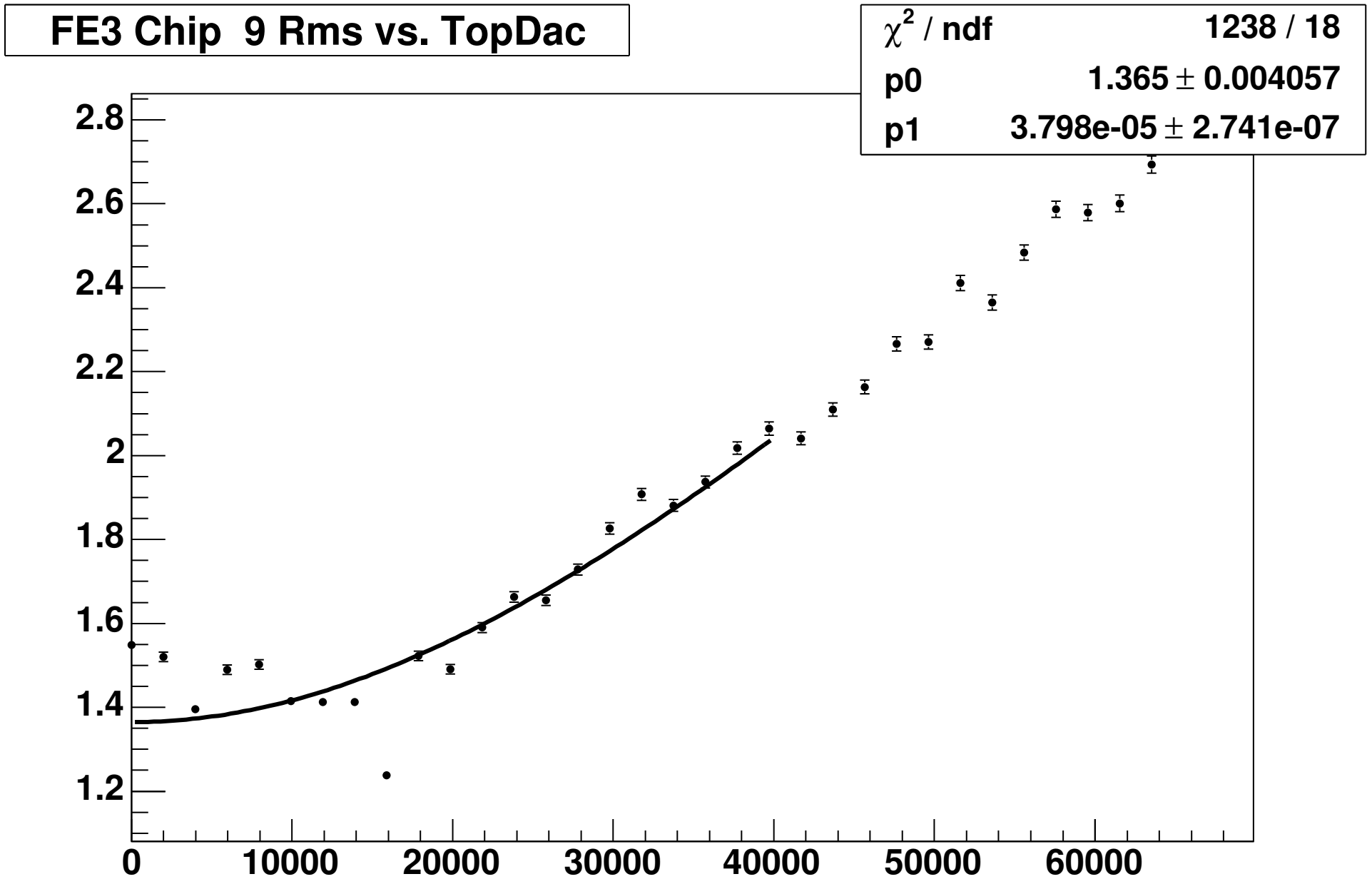

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 8.954e+04 / 18
p0 26.98 ± 0.007353
p1 0.4494 ± 3.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

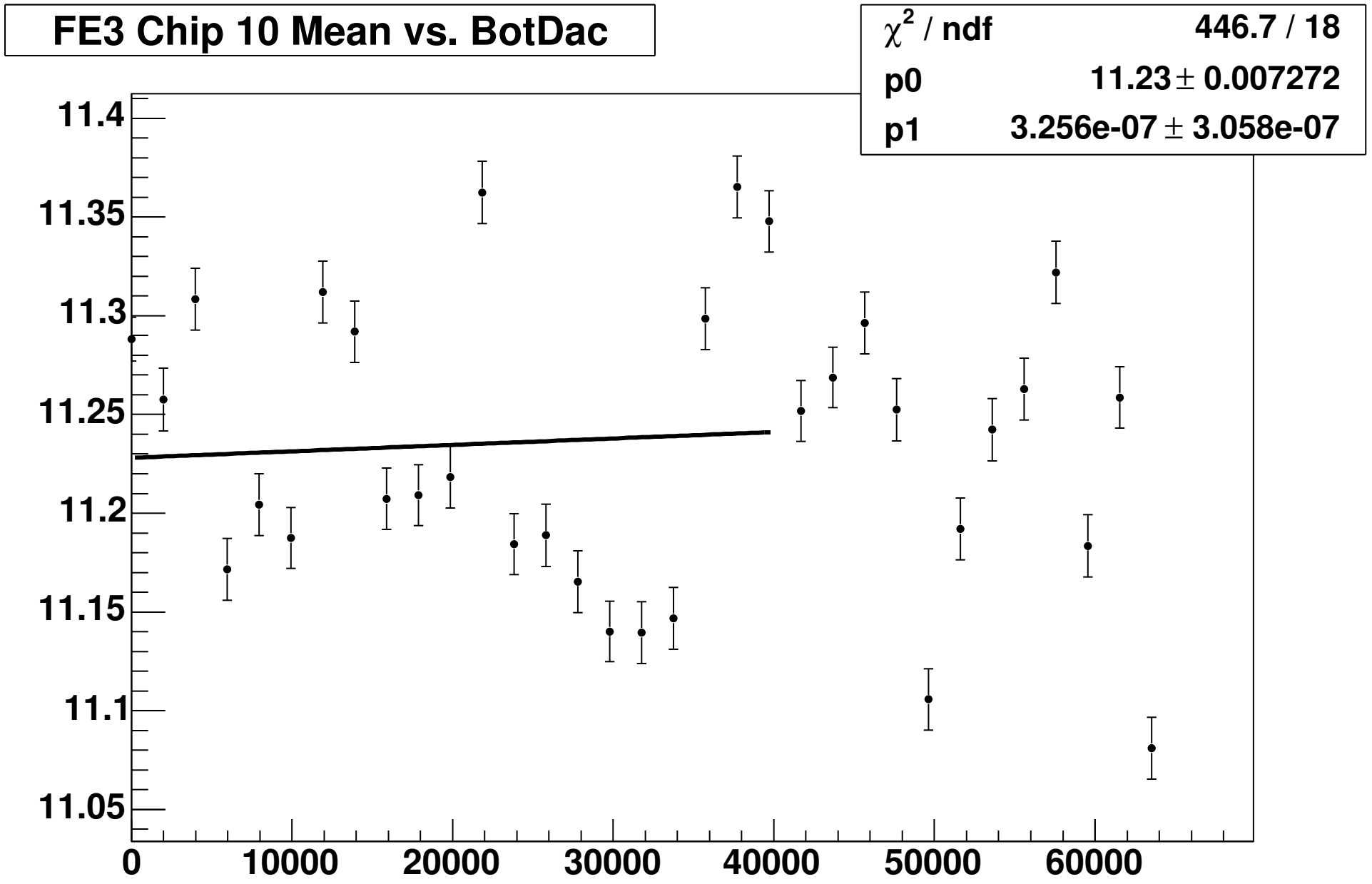

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 262.2 / 18
p0 1.373 ± 0.00403
p1 3.694e-05 ± 2.769e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

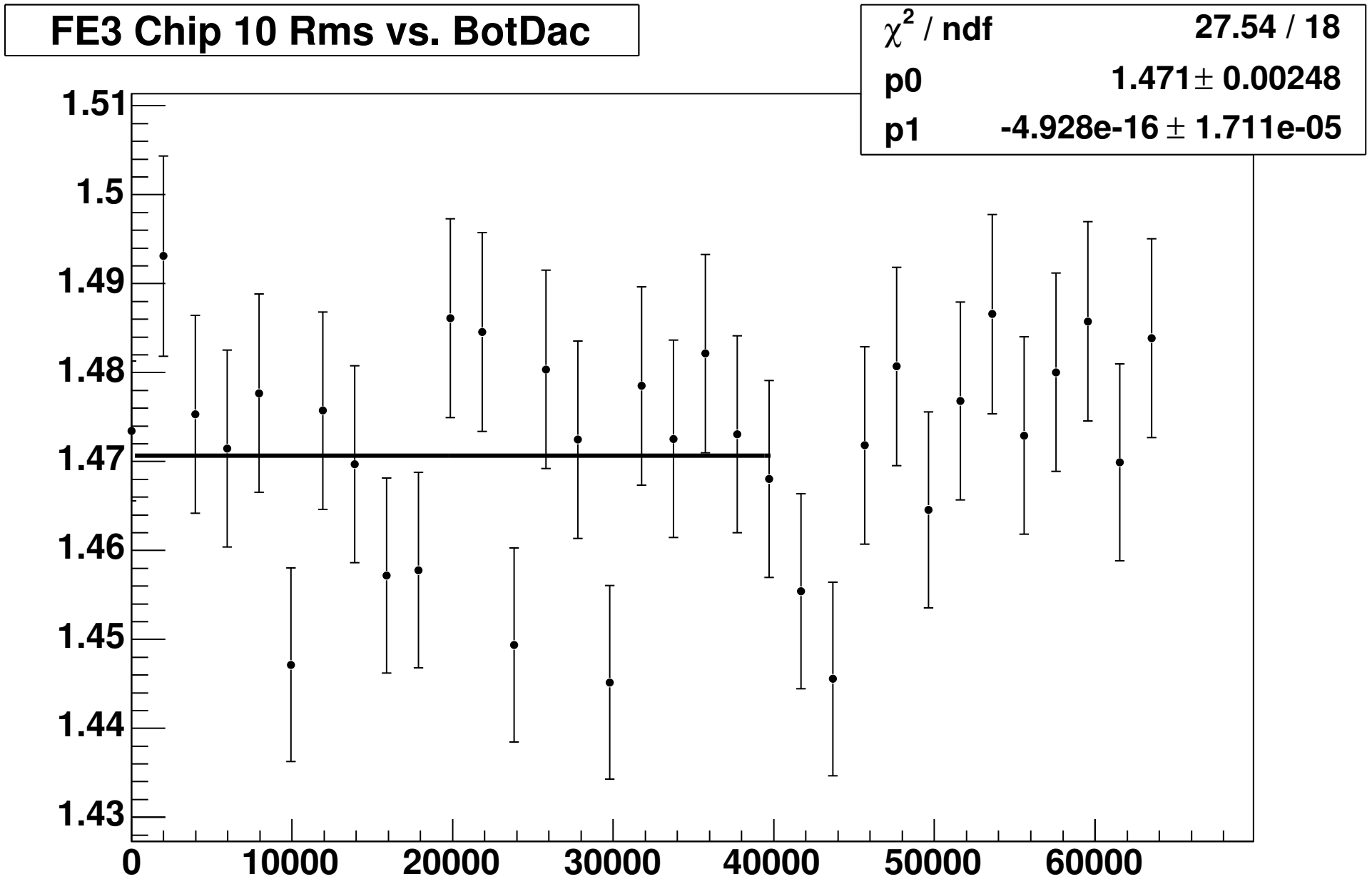

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 405.1 / 18
p0 27.75 ± 0.007562
p1 -1.038e-06 ± 3.175e-07
27.9
27.85
27.8
27.75
27.7
27.65
27.6
27.55
27.5
27.45
0
10000
20000
30000
40000
50000
60000

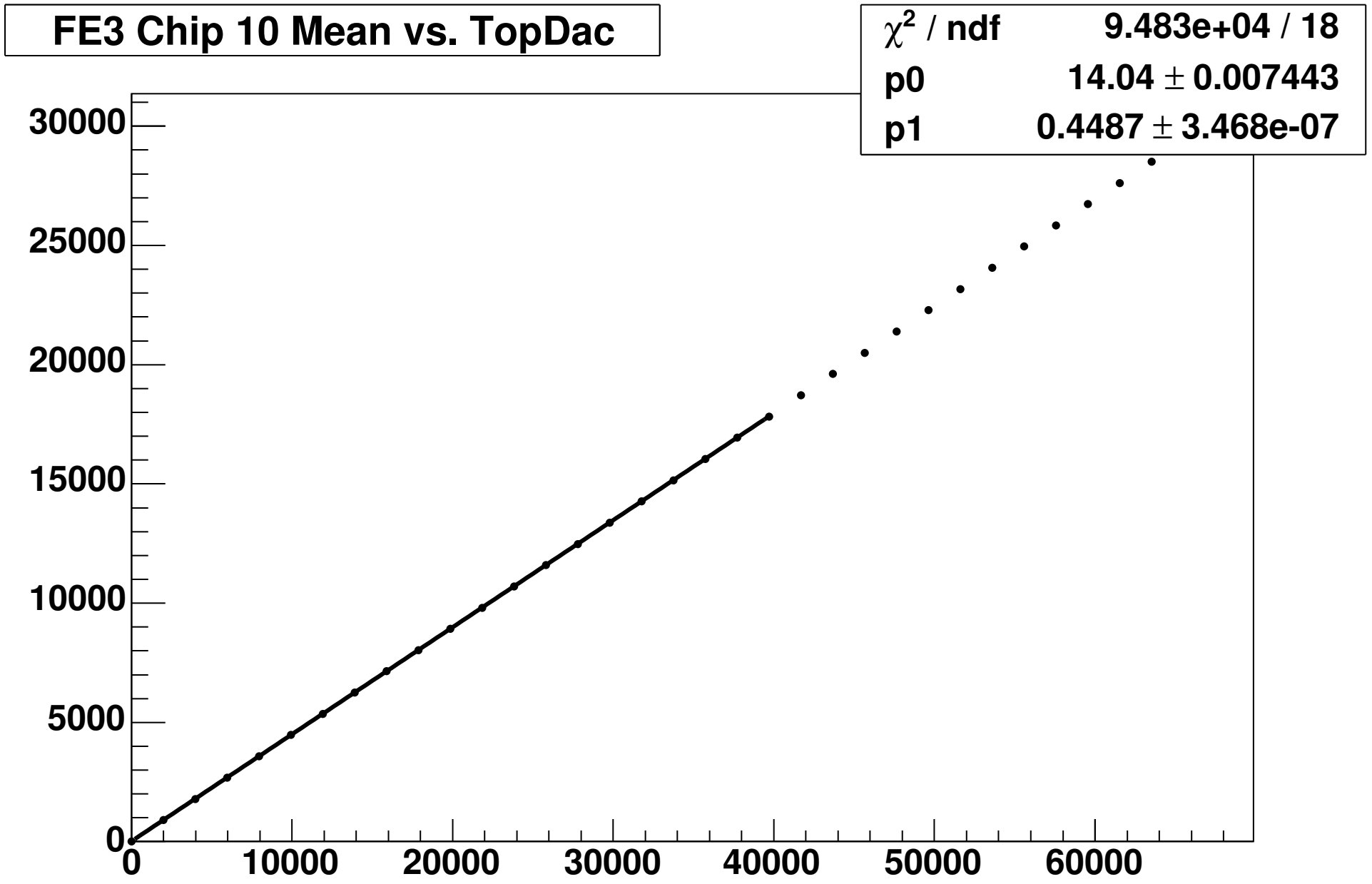

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 24.91 / 18
p0 1.533 ± 0.00258
p1 6.728e-15 ± 2.826e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

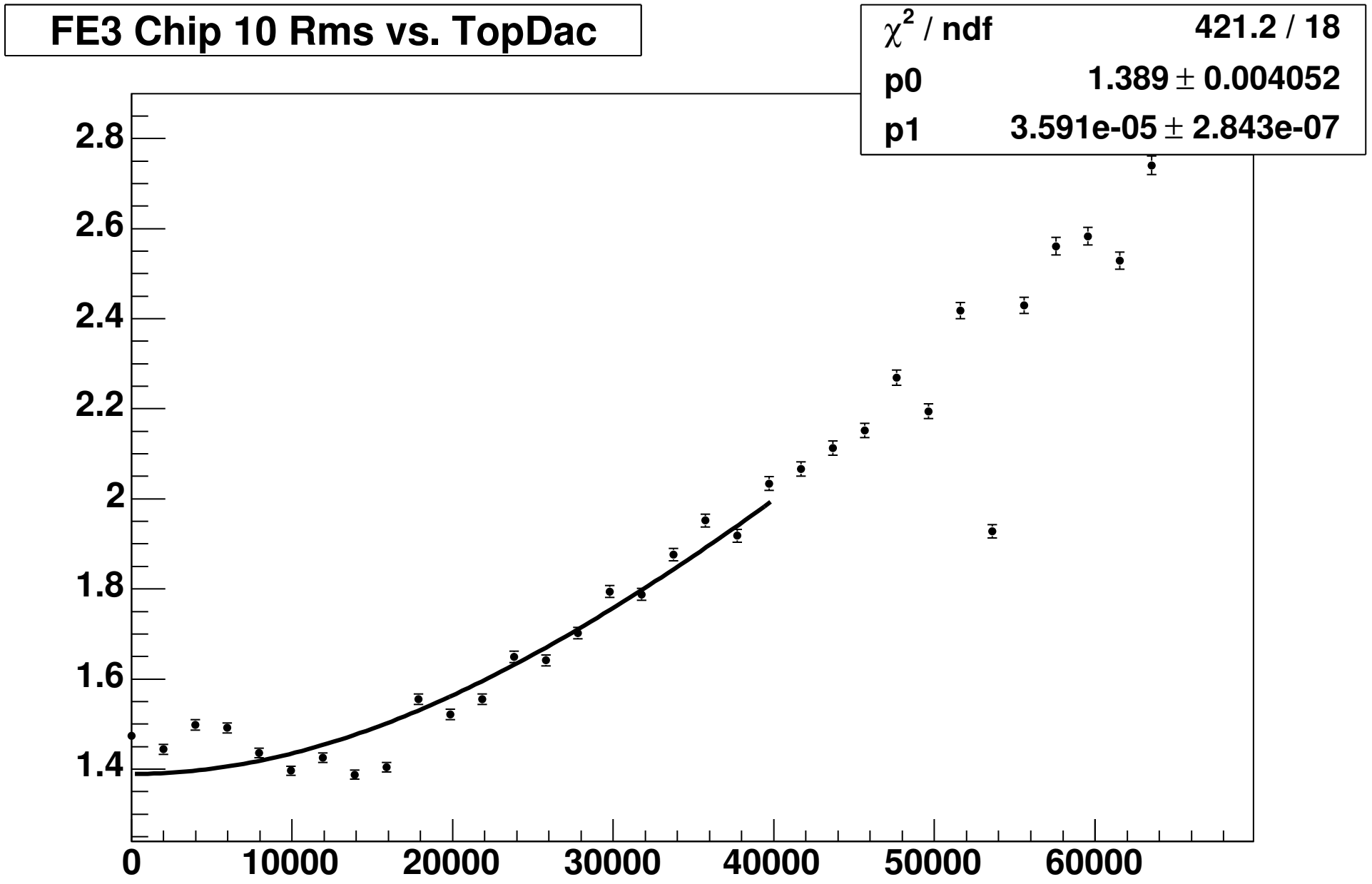

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 7.032e+04 / 18
p0 30.04 ± 0.007459
p1 0.4494 ± 3.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

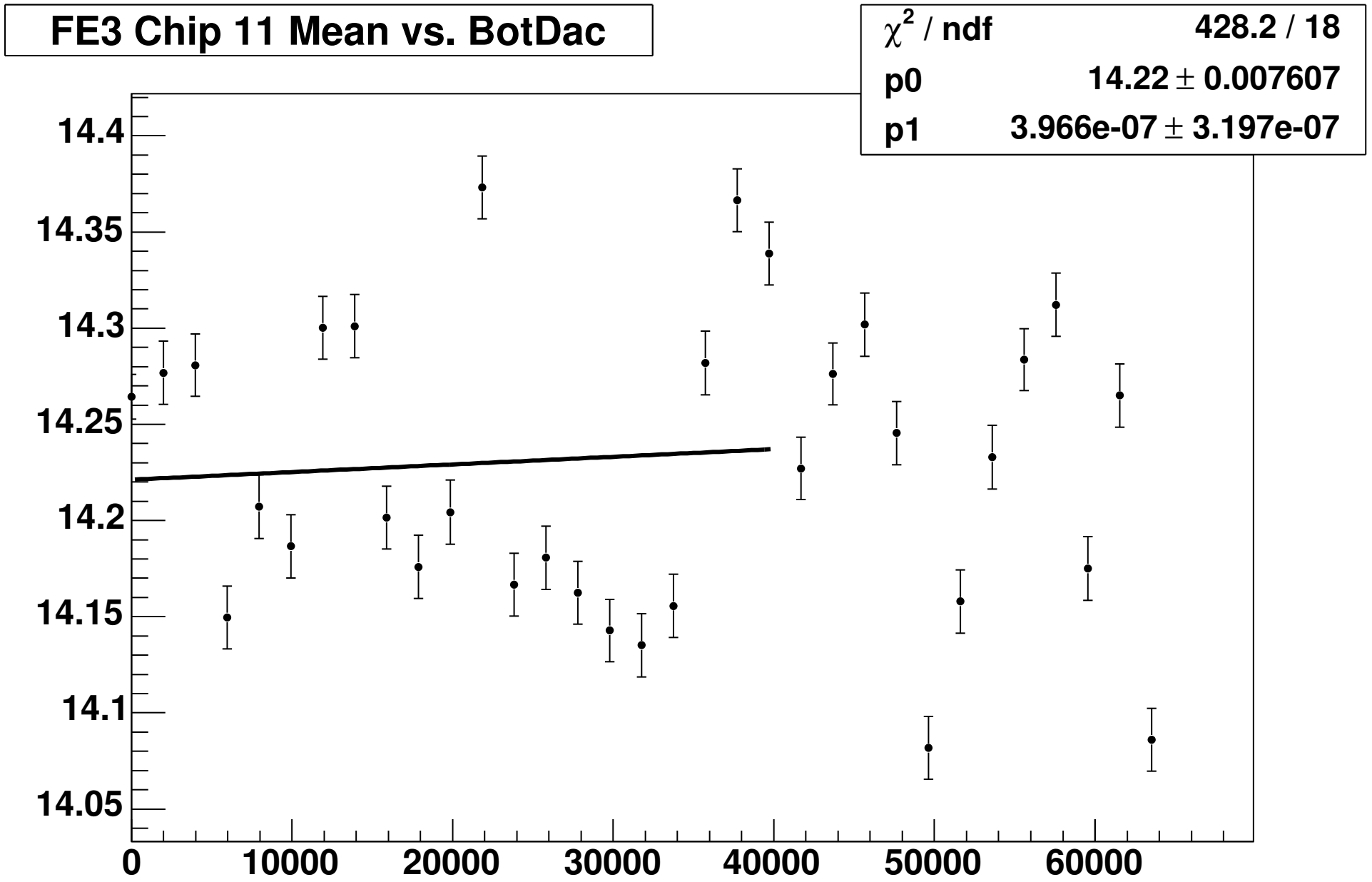

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1238 / 18
p0 1.365 ± 0.004057
p1 3.798e-05 ± 2.741e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

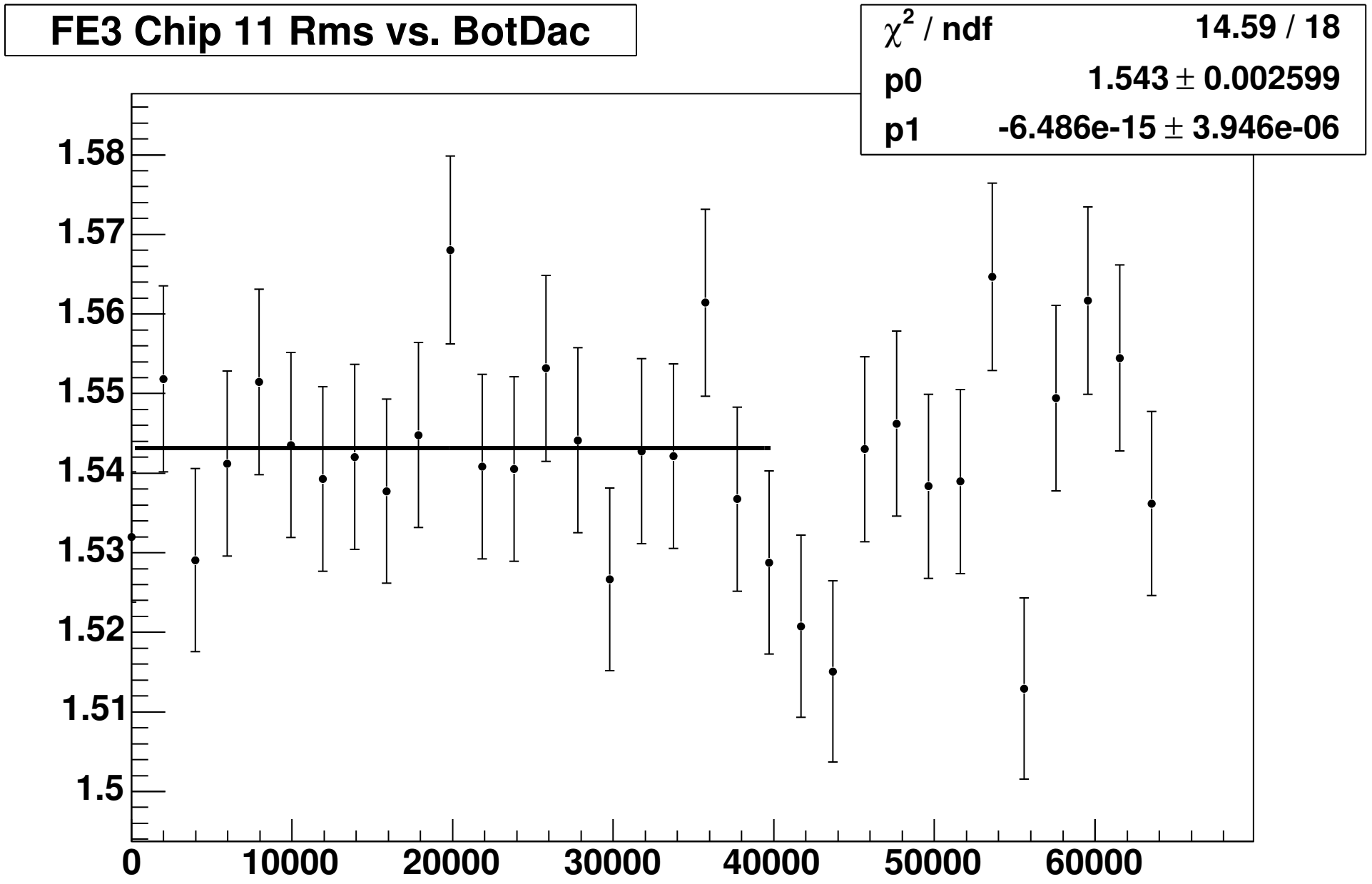

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 446.7 / 18
p0 11.23 ± 0.007272
p1 3.256e-07 ± 3.058e-07
11.4
11.35
11.3
11.25
11.2
11.15
11.1
11.05
0
10000
20000
30000
40000
50000
60000

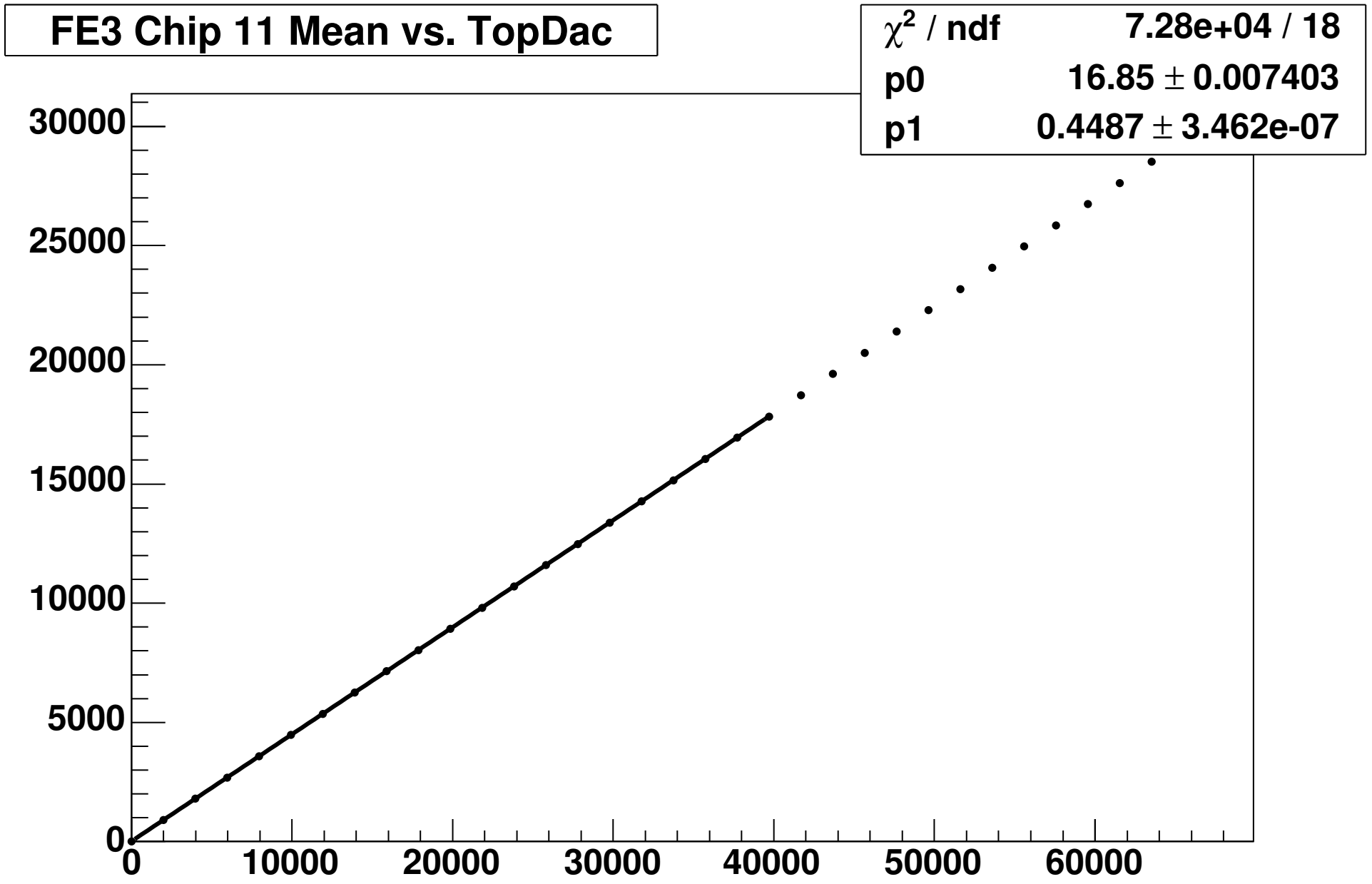

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 27.54 / 18
p0 1.471 ± 0.00248
p1 -4.928e-16 ± 1.711e-05
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

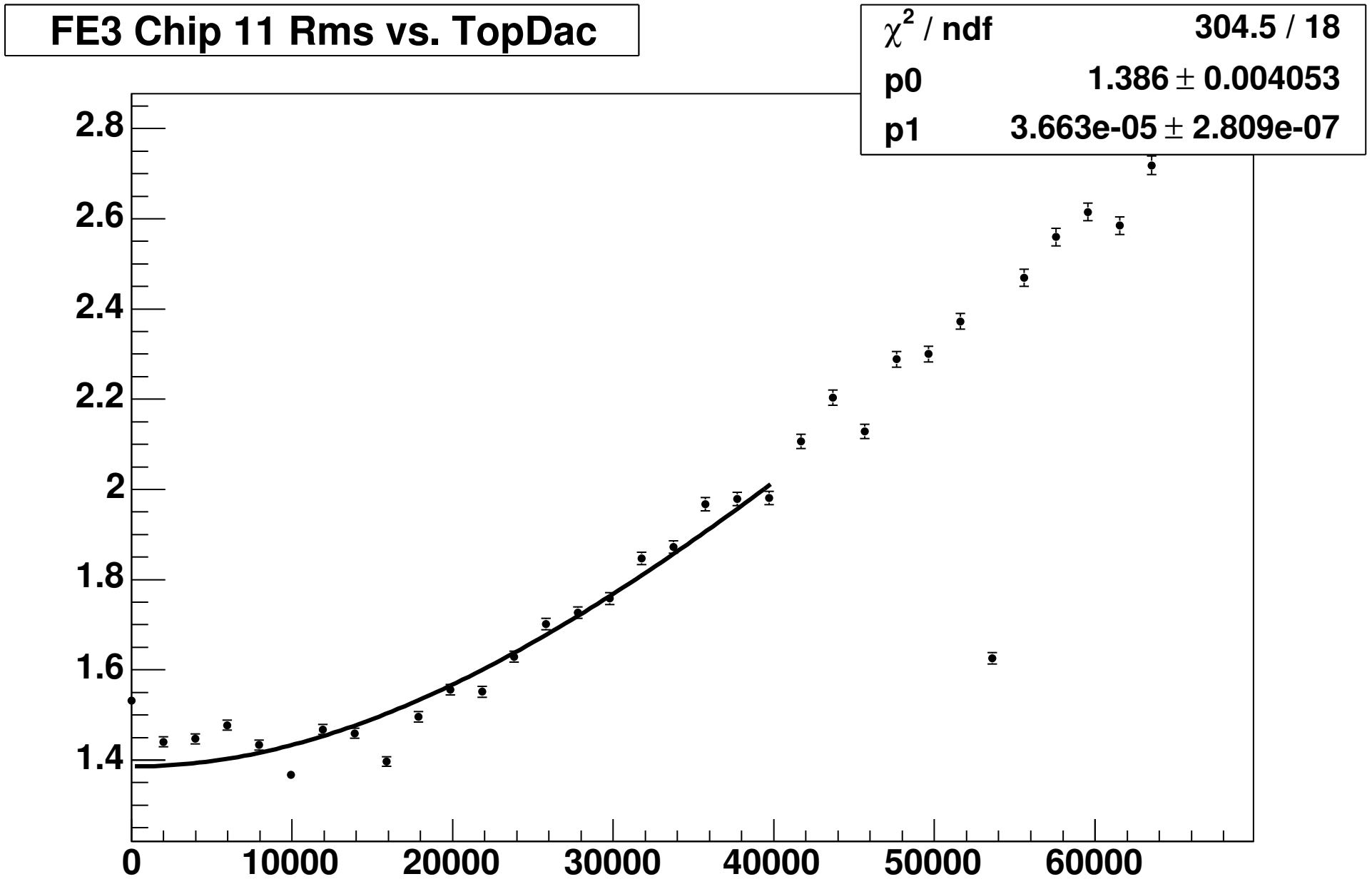

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 9.483e+04 / 18
p0 14.04 ± 0.007443
p1 0.4487 ± 3.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

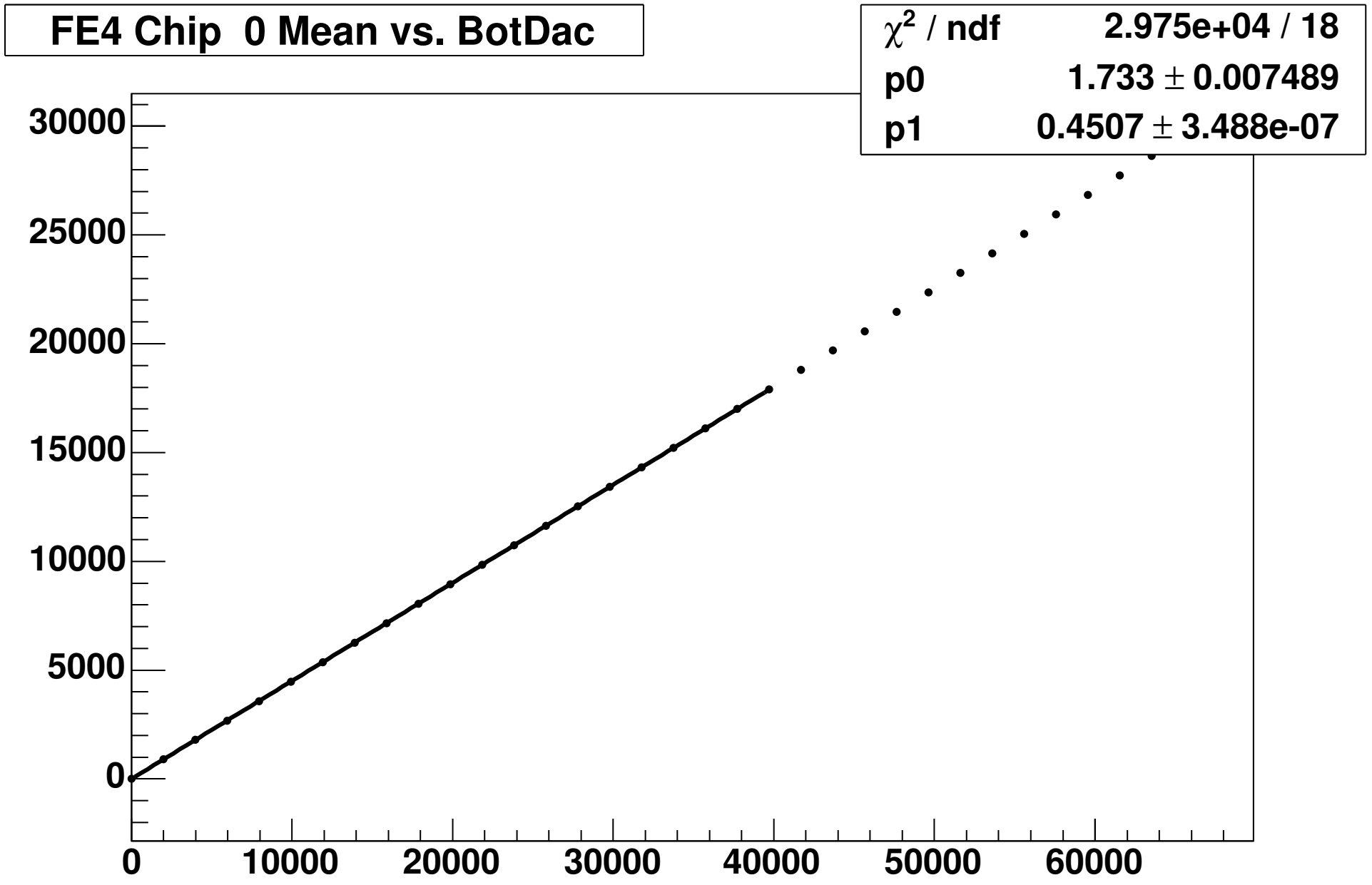

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 421.2 / 18
p0 1.389 ± 0.004052
p1 3.591e-05 ± 2.843e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

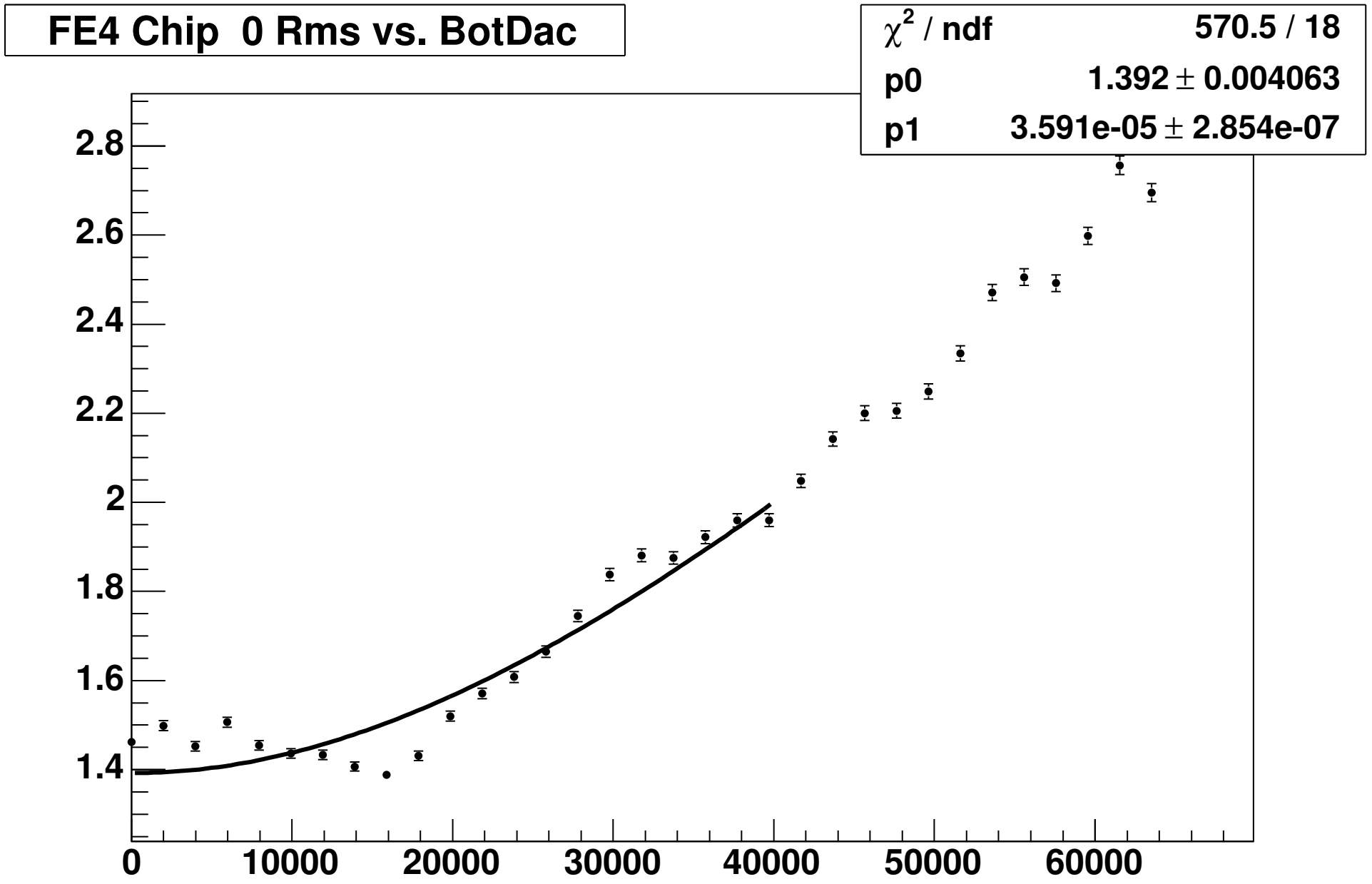

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 428.2 / 18
p0 14.22 ± 0.007607
p1 3.966e-07 ± 3.197e-07
14.4
14.35
14.3
14.25
14.2
14.15
14.1
14.05
0
10000
20000
30000
40000
50000
60000

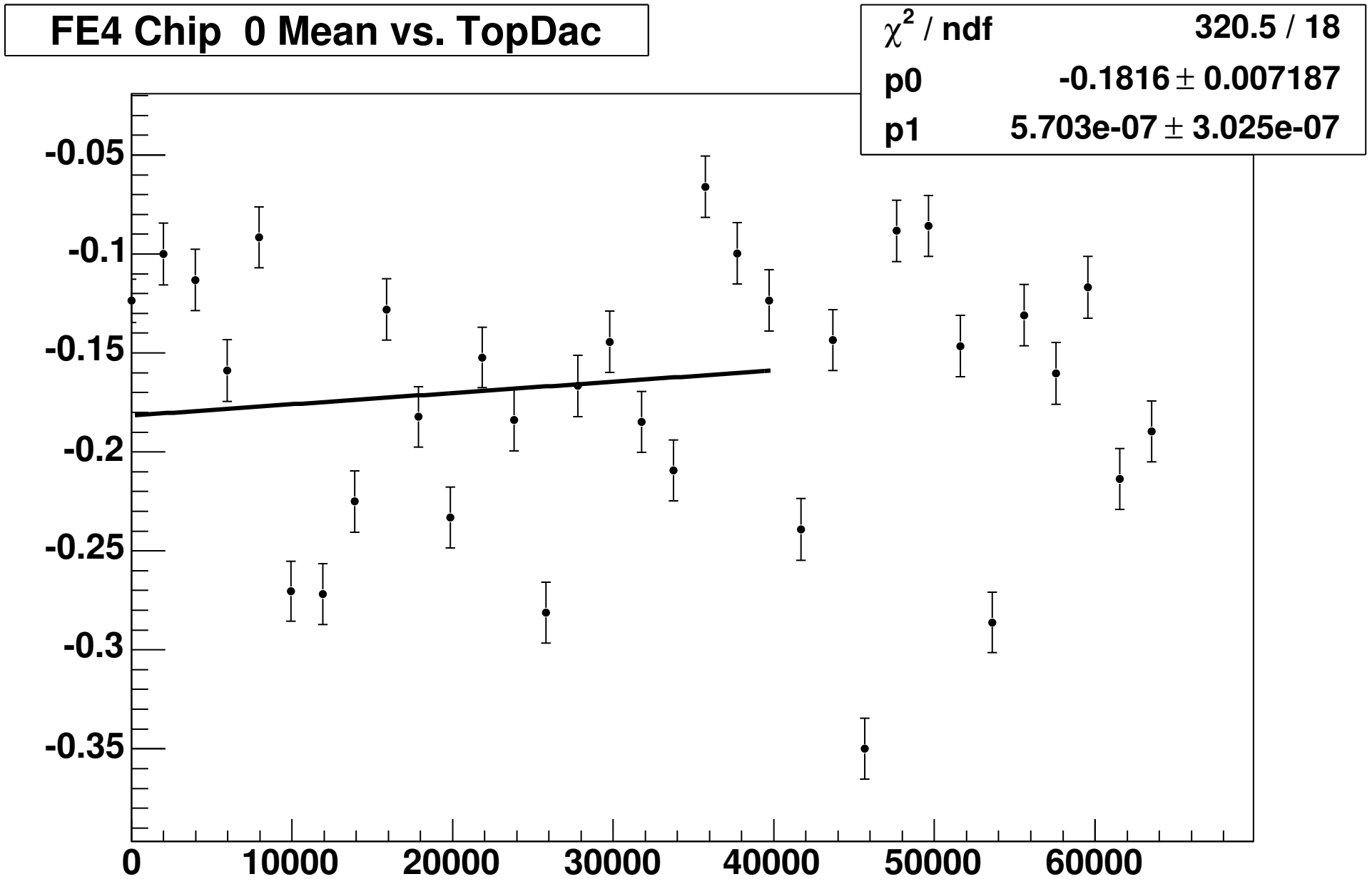

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 14.59 / 18
p0 1.543 ± 0.002599
p1 -6.486e-15 ± 3.946e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

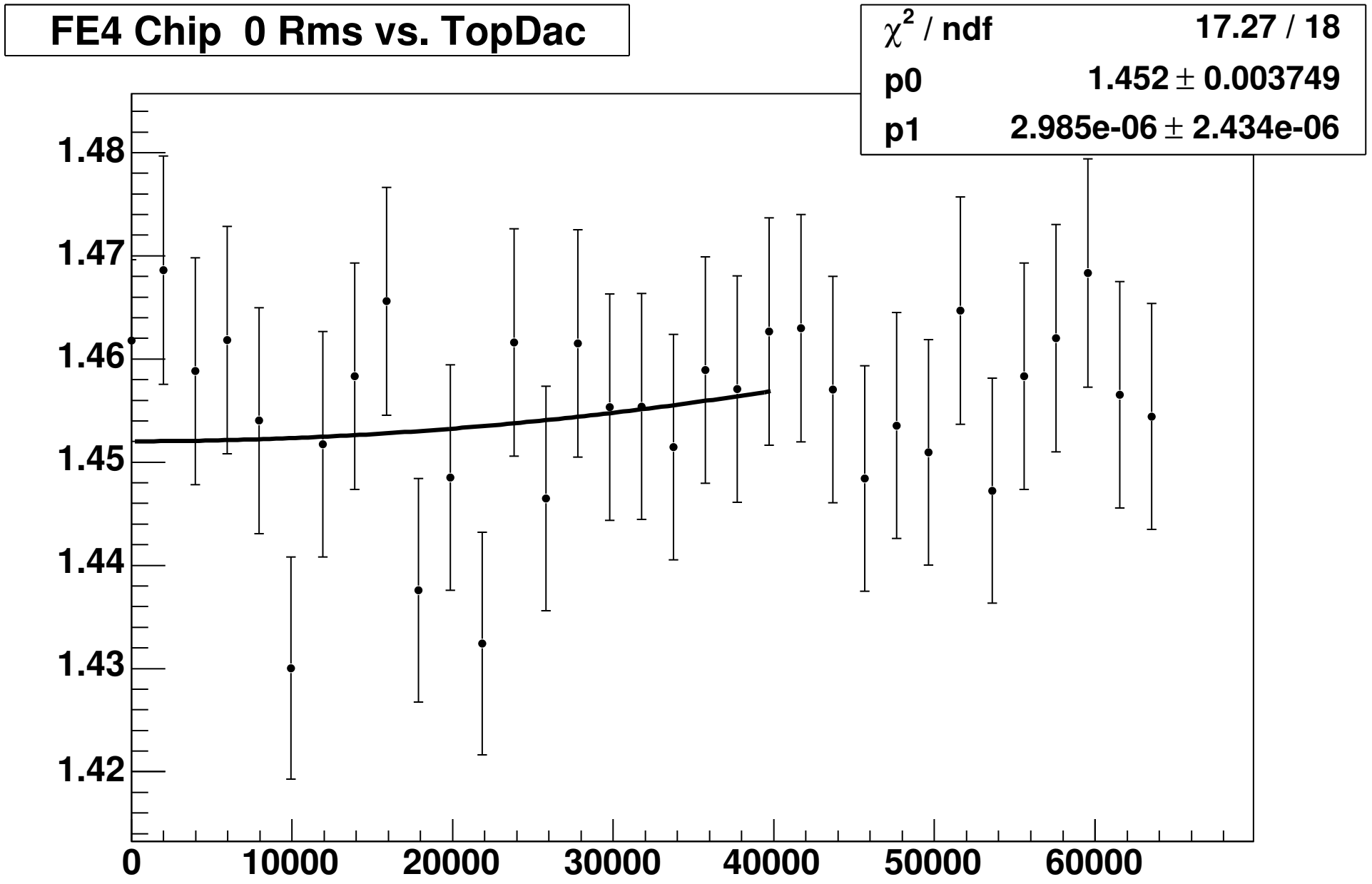

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 7.28e+04 / 18
p0 16.85 ± 0.007403
p1 0.4487 ± 3.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 304.5 / 18
p0 1.386 ± 0.004053
p1 3.663e-05 ± 2.809e-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 2.975e+04 / 18
p0 1.733 ± 0.007489
p1 0.4507 ± 3.488e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 570.5 / 18
p0 1.392 ± 0.004063
p1 3.591e-05 ± 2.854e-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. TopDac
χ² / ndf 320.5 / 18
p0 -0.1816 ± 0.007187
p1 5.703e-07 ± 3.025e-07
-0.05
-0.1
-0.15
-0.2
-0.25
-0.3
-0.35
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 17.27 / 18
p0 1.452 ± 0.003749
p1 2.985e-06 ± 2.434e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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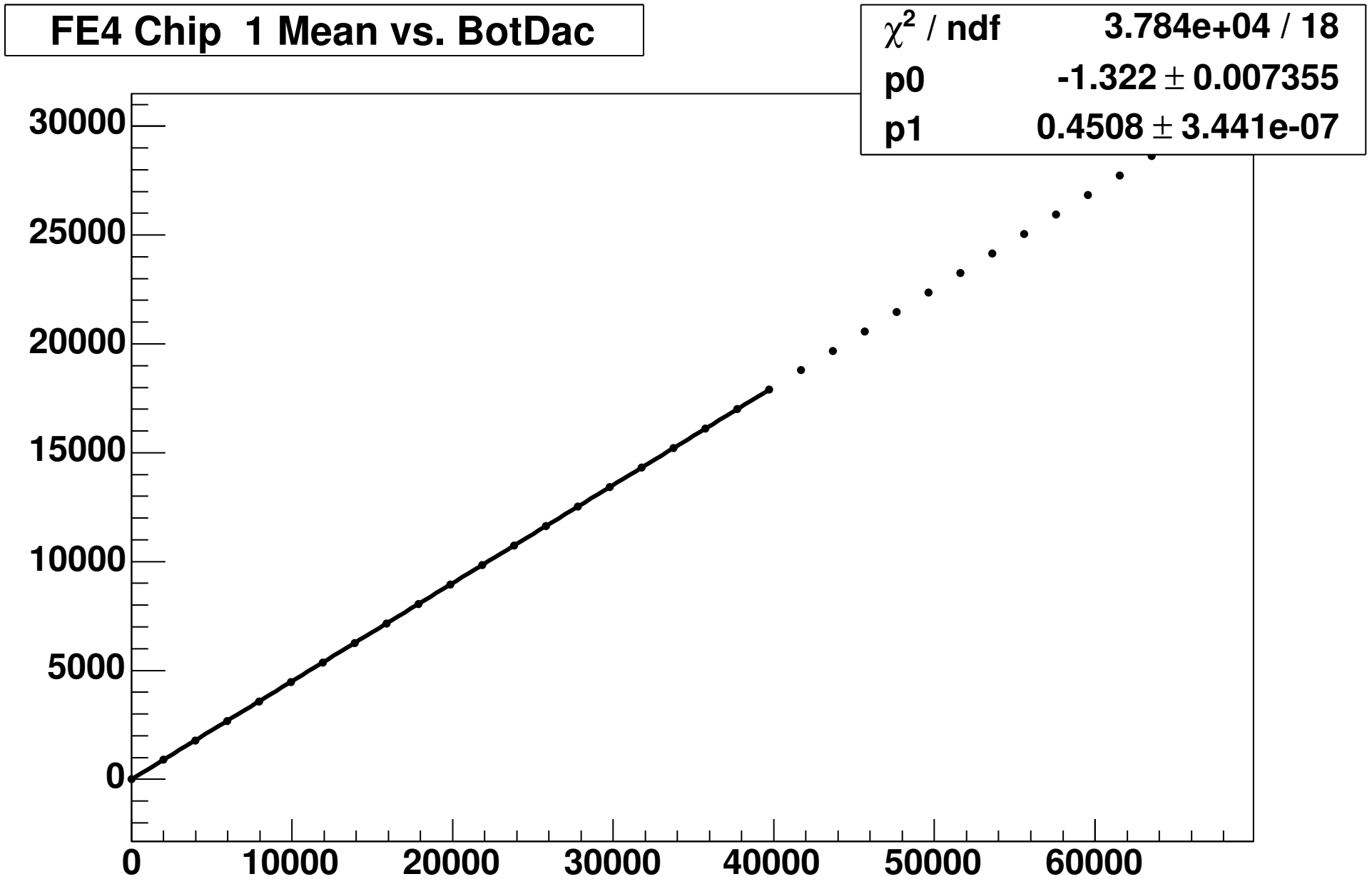
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 3.784e+04 / 18
p0 -1.322 ± 0.007355
p1 0.4508 ± 3.441e-07
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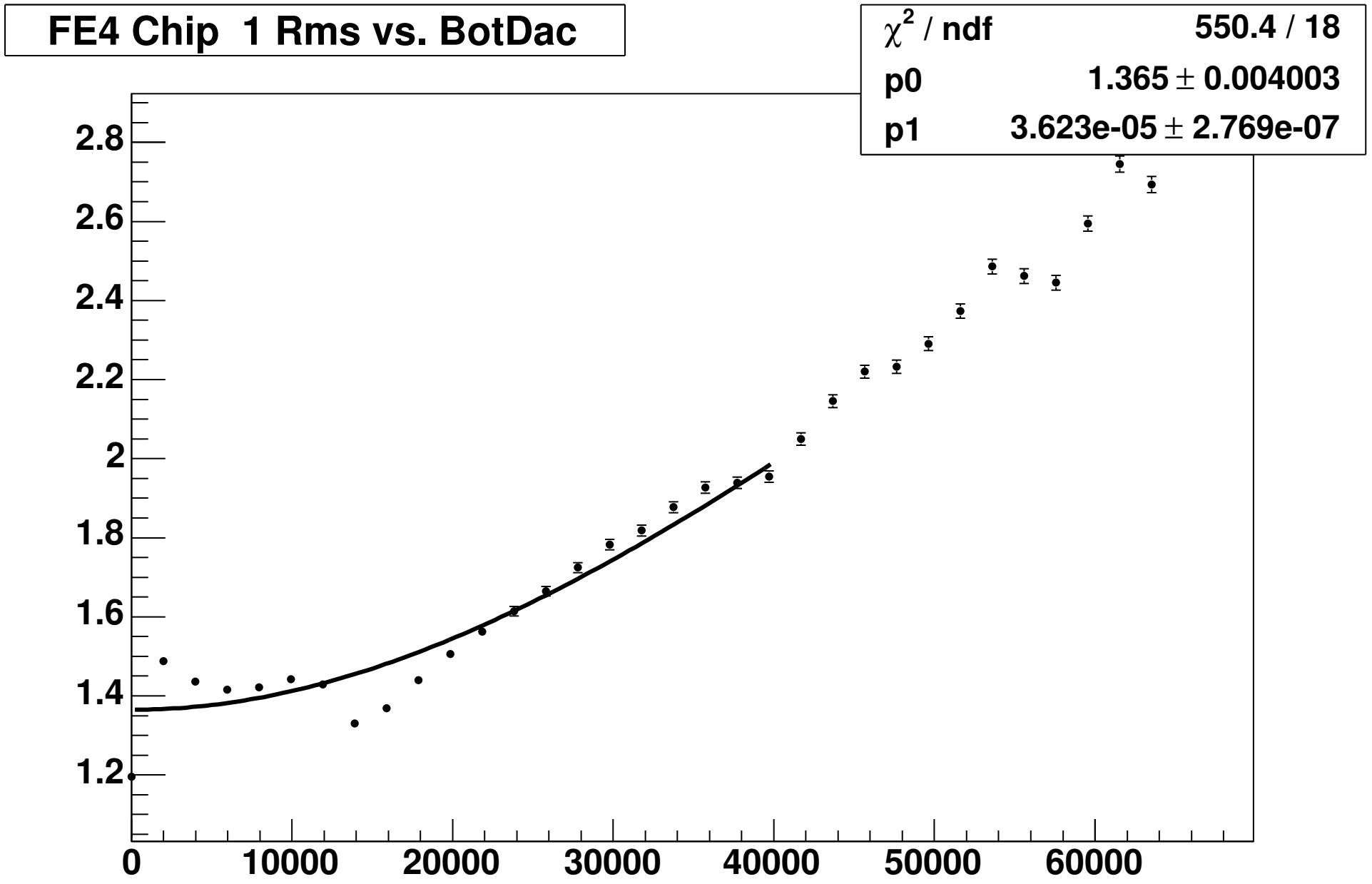
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 550.4 / 18
p0 1.365 ± 0.004003
p1 3.623e-05 ± 2.769e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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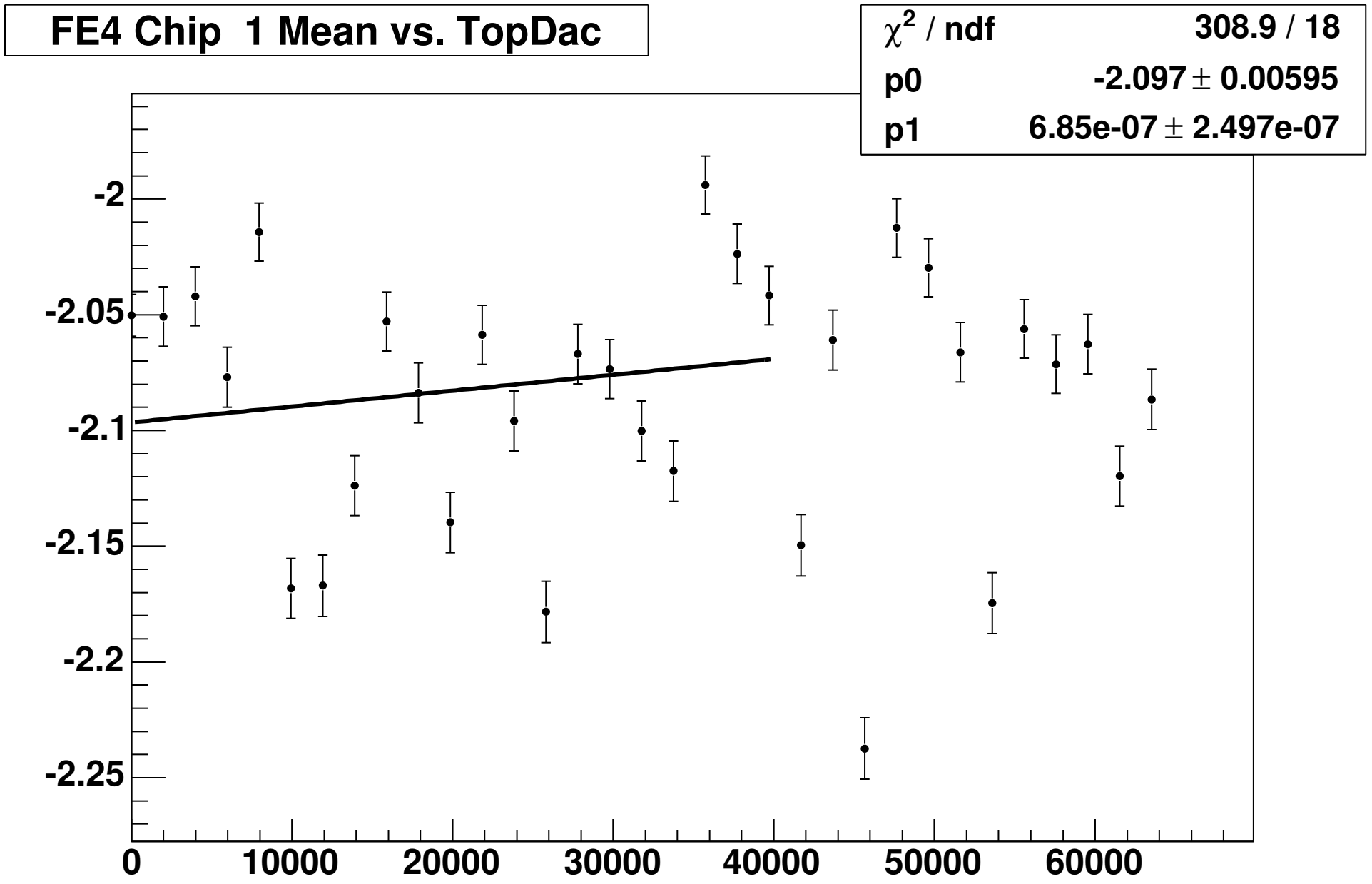
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 308.9 / 18
p0 -2.097 ± 0.00595
p1 6.85e-07 ± 2.497e-07
-2
-2.05
-2.1
-2.15
-2.2
-2.25
0
10000
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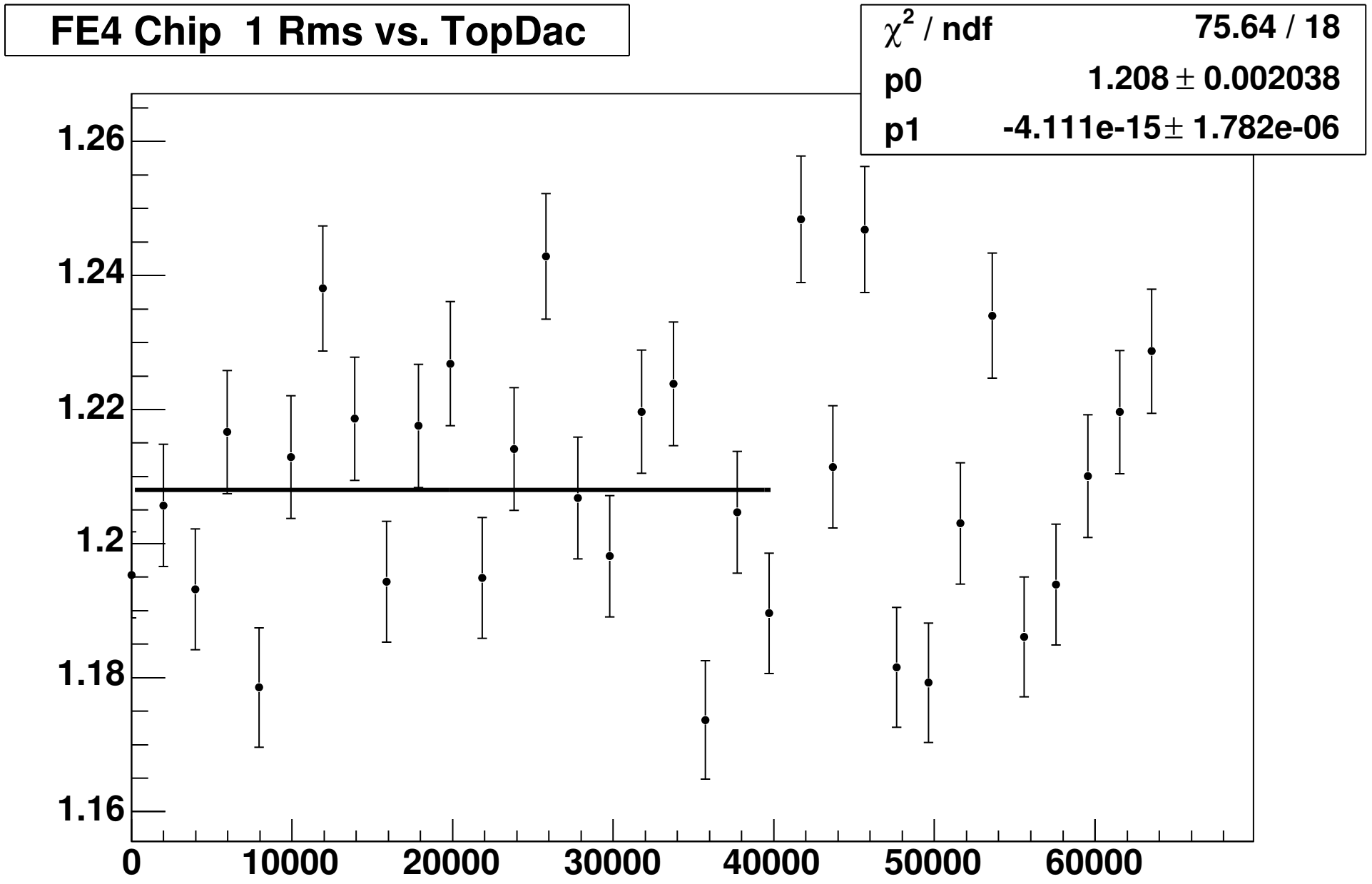
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 75.64 / 18
p0 1.208 ± 0.002038
p1 -4.111e-15 ± 1.782e-06
1.26
1.24
1.22
1.2
1.18
1.16
0
10000
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50000
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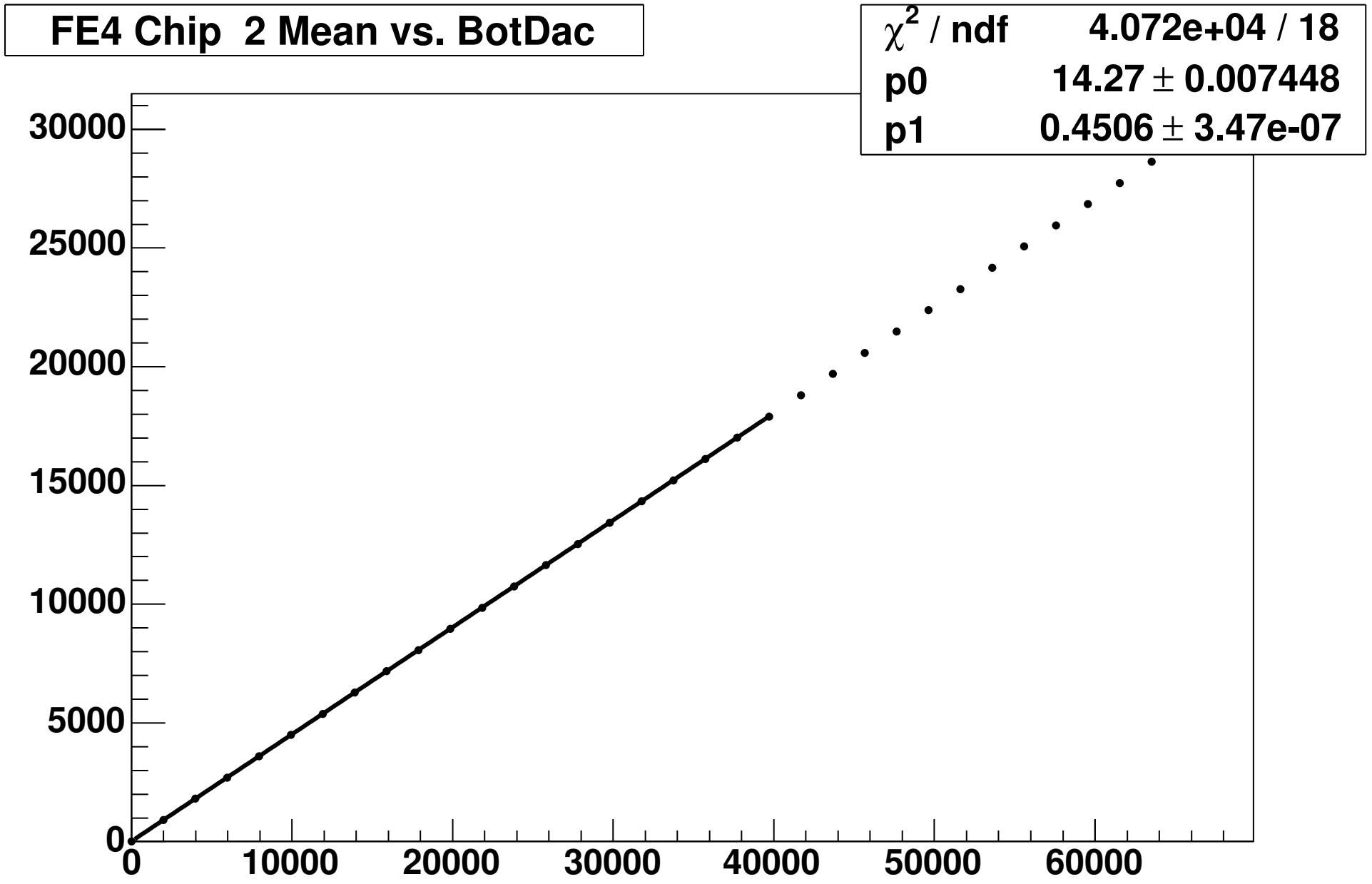
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 4.072e+04 / 18
p0 14.27 ± 0.007448
p1 0.4506 ± 3.47e-07
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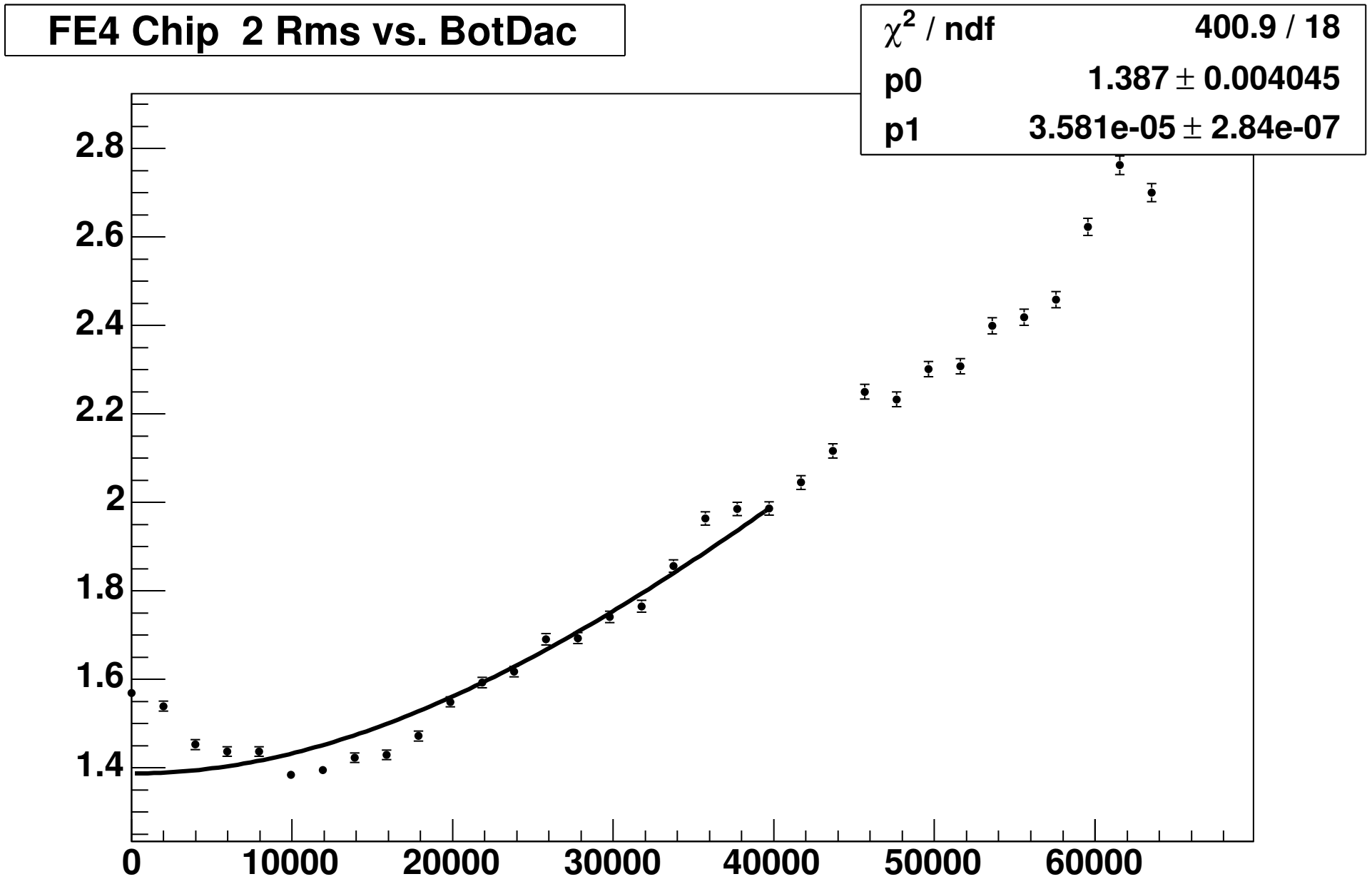
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 400.9 / 18
p0 1.387 ± 0.004045
p1 3.581e-05 ± 2.84e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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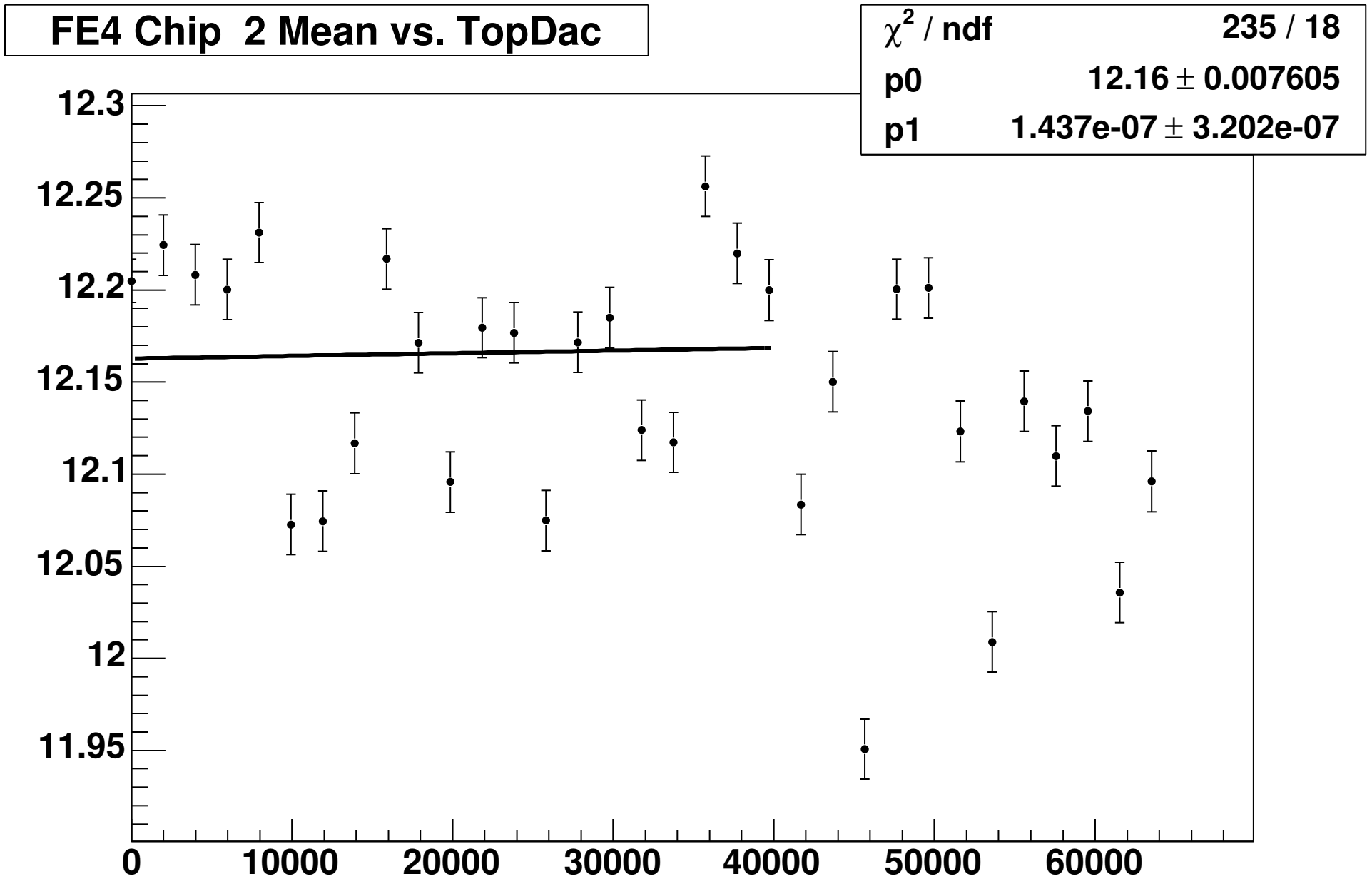
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 235 / 18
p0 12.16 ± 0.007605
p1 1.437e-07 ± 3.202e-07
12.3
12.25
12.2
12.15
12.1
12.05
12
11.95
0
10000
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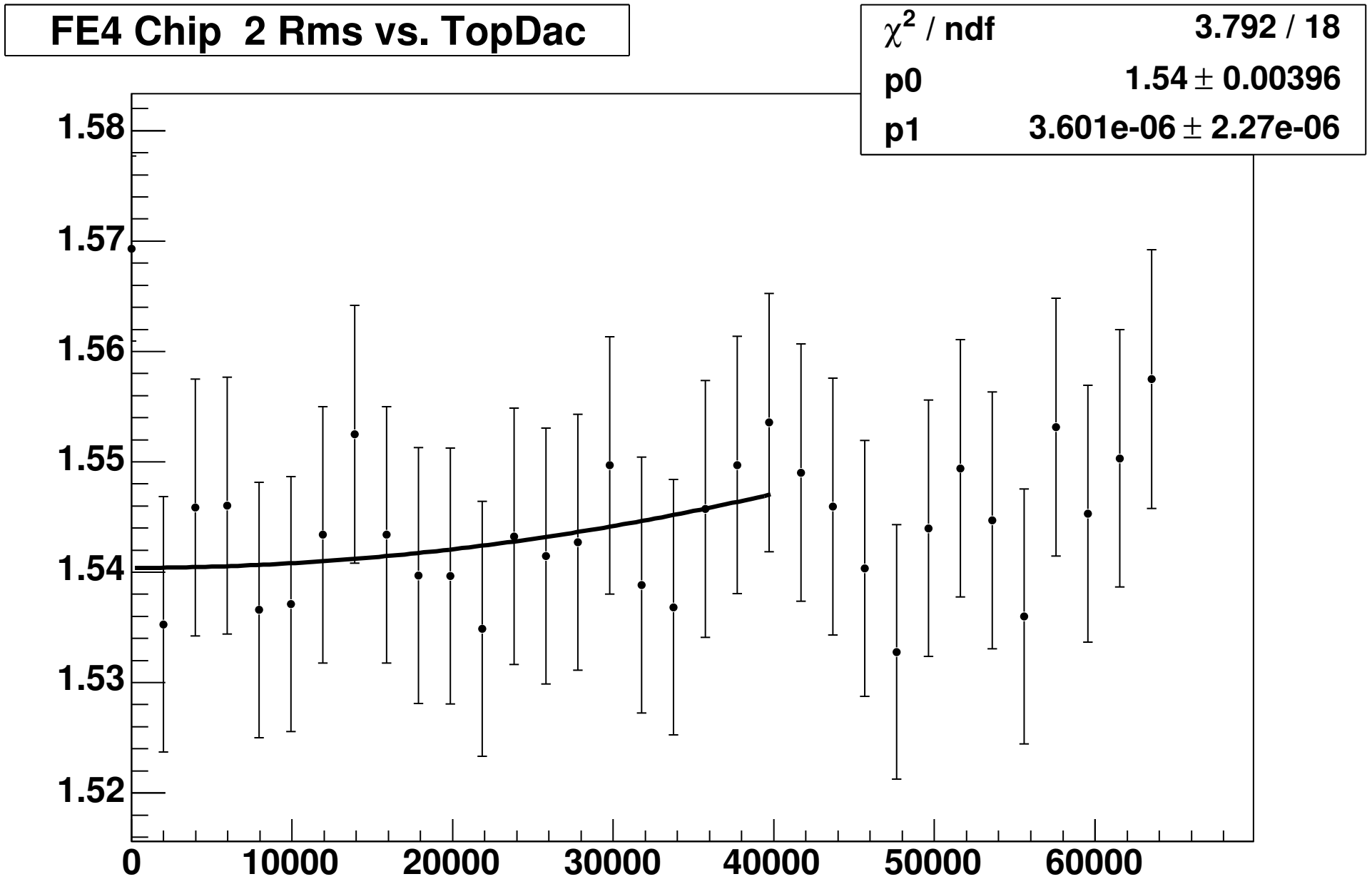
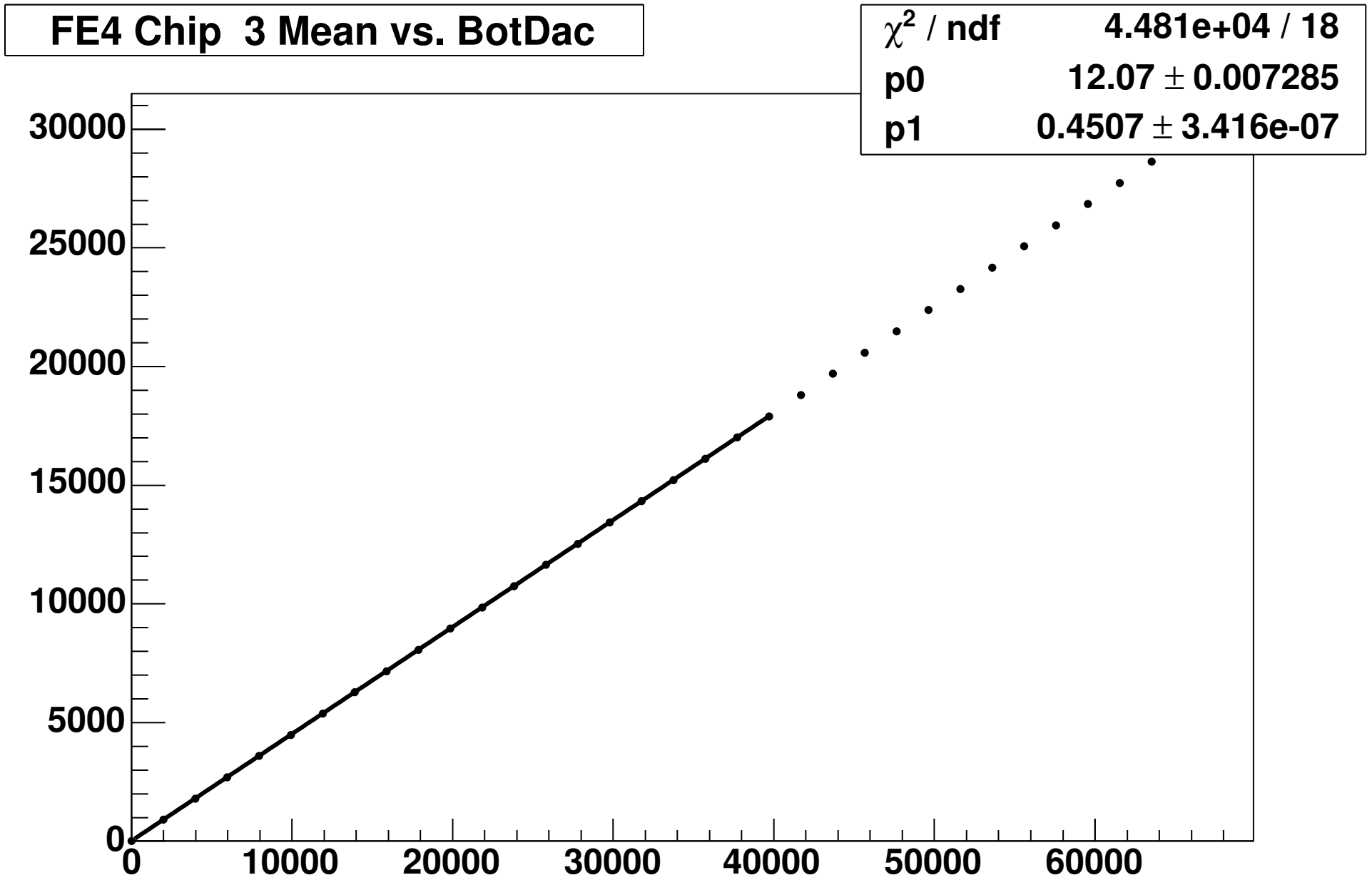
40000
50000
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 3.792 / 18
p0 1.54 ± 0.00396
p1 3.601e-06 ± 2.27e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.481e+04 / 18
p0 12.07 ± 0.007285
p1 0.4507 ± 3.416e-07
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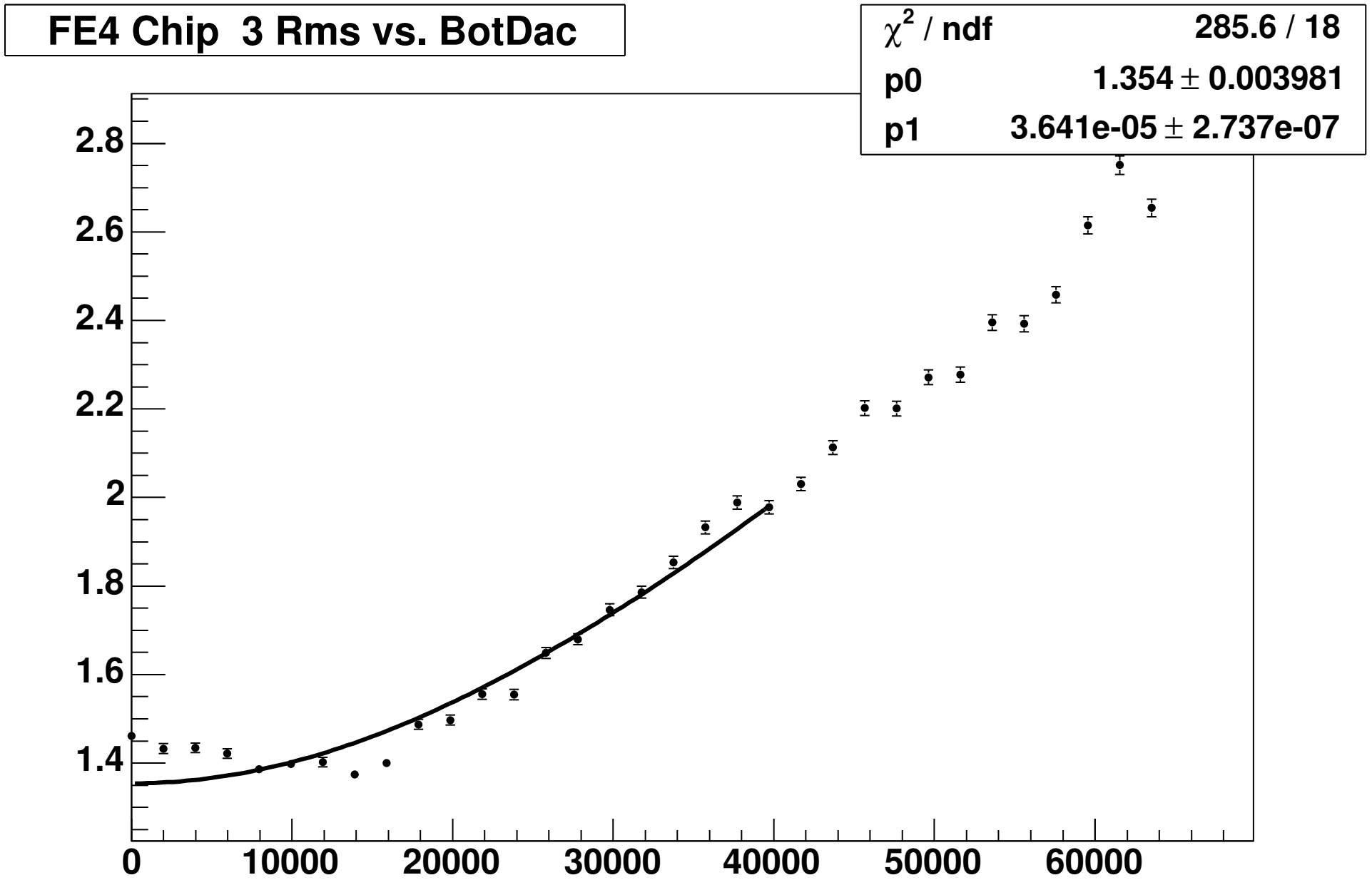
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 285.6 / 18
p0 1.354 ± 0.003981
p1 3.641e-05 ± 2.737e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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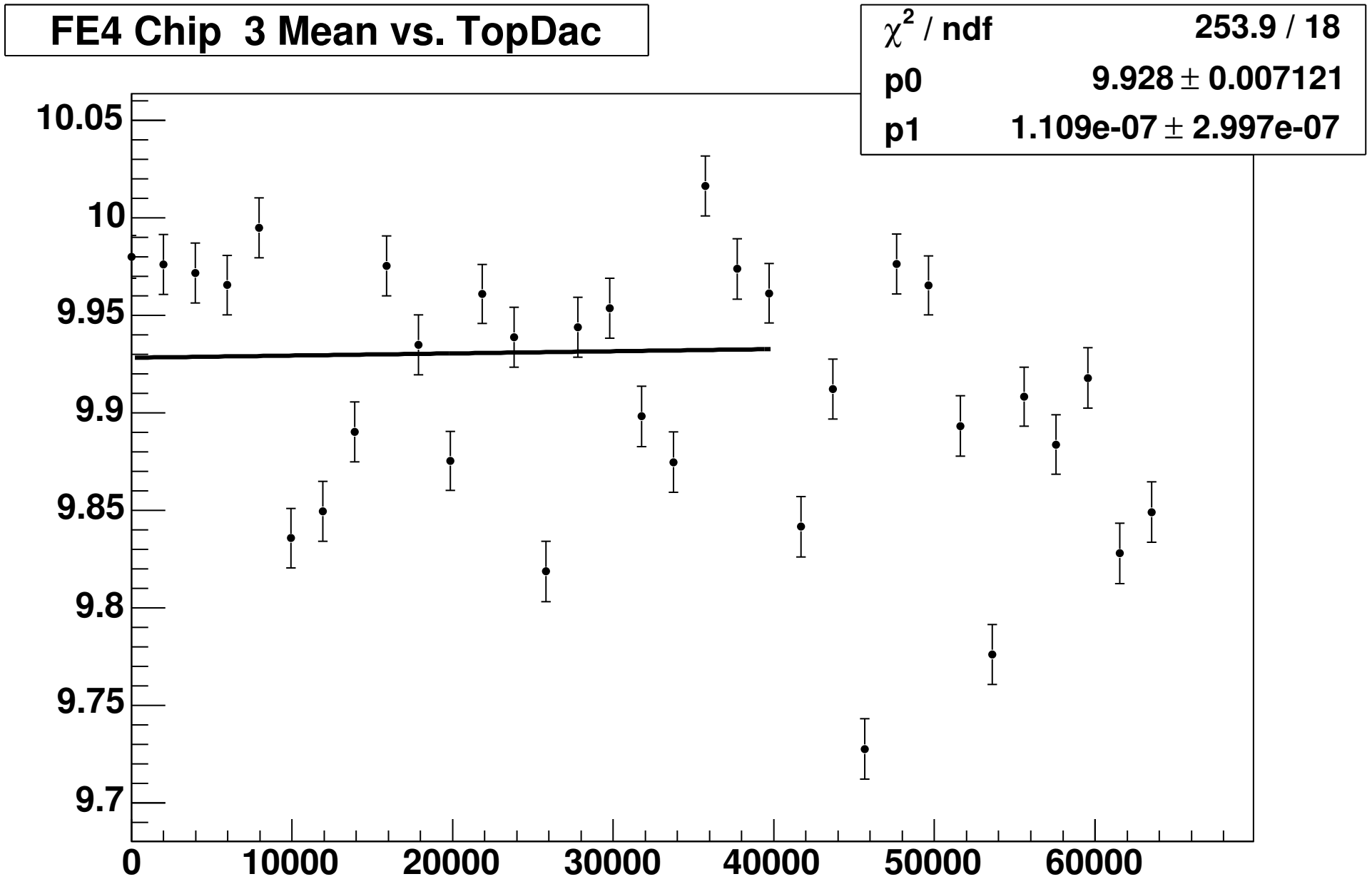
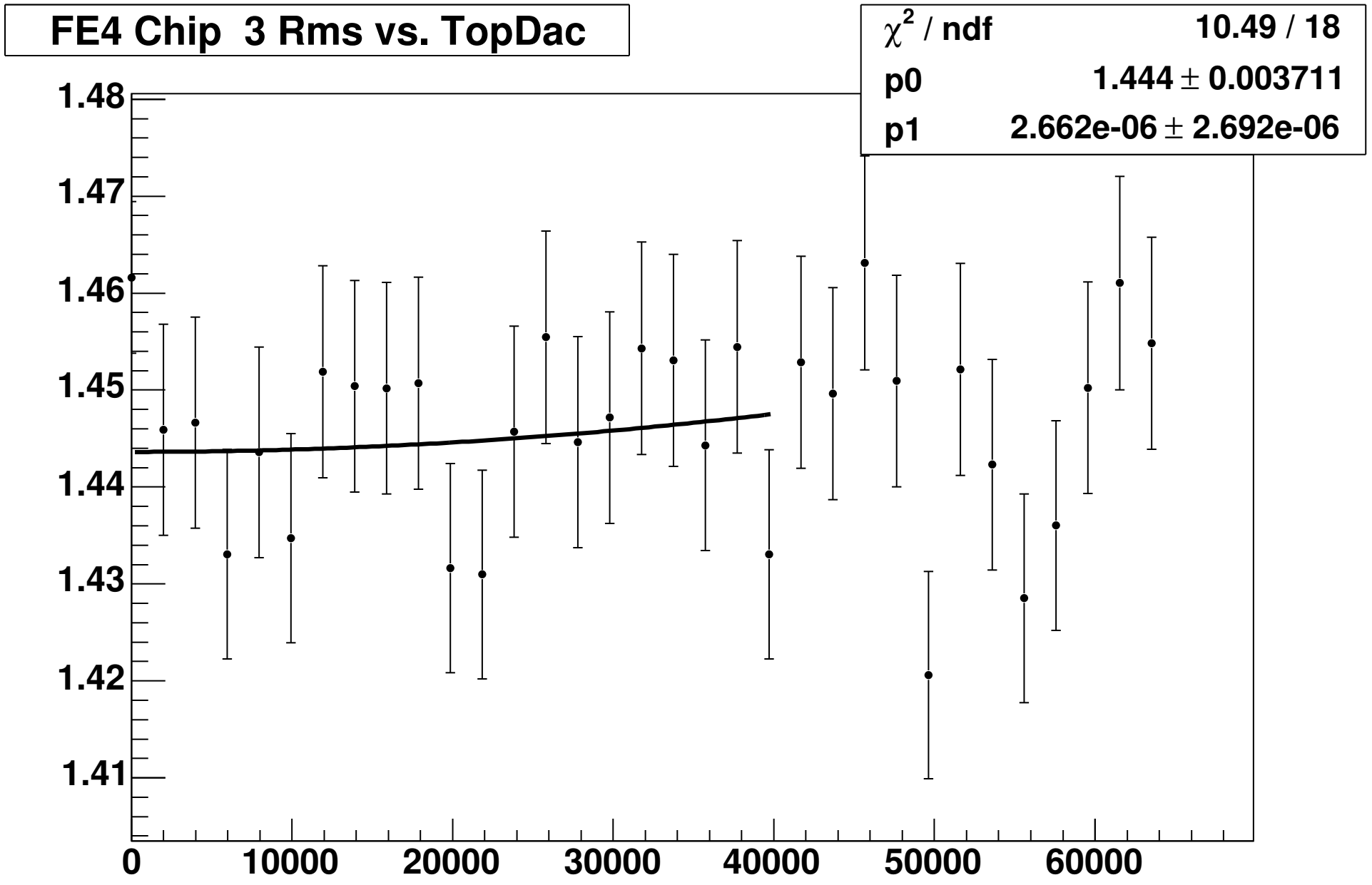
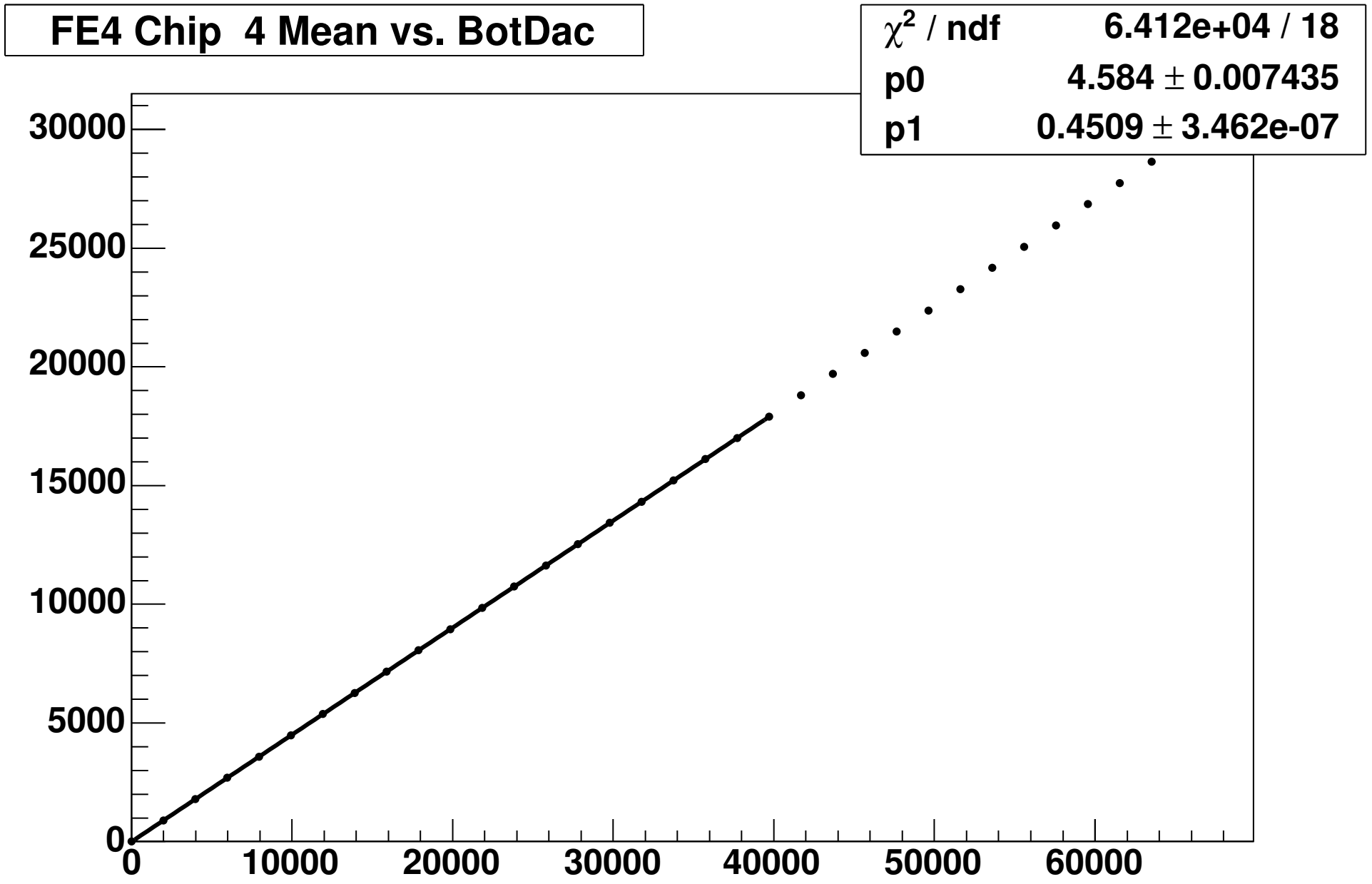
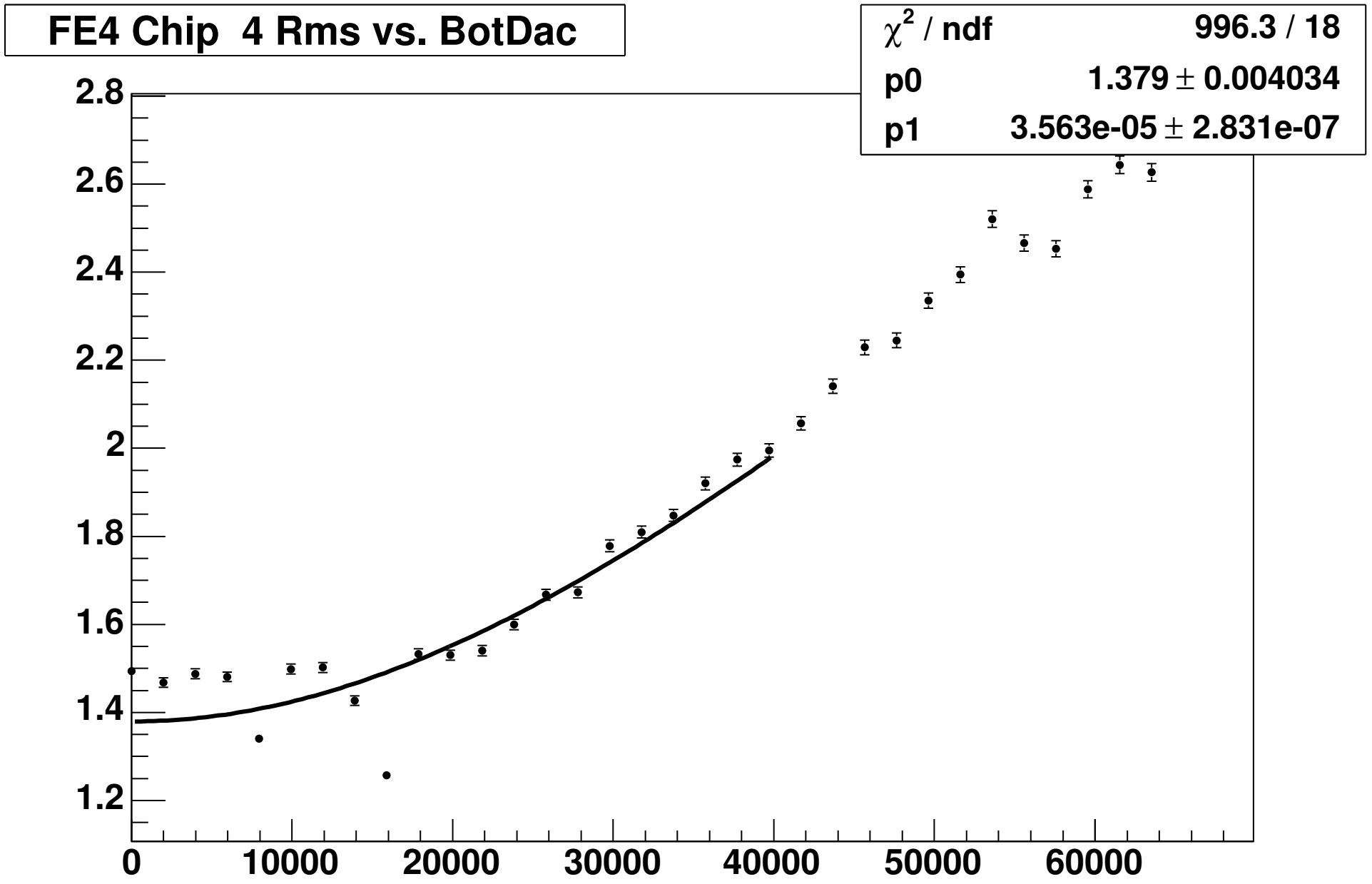
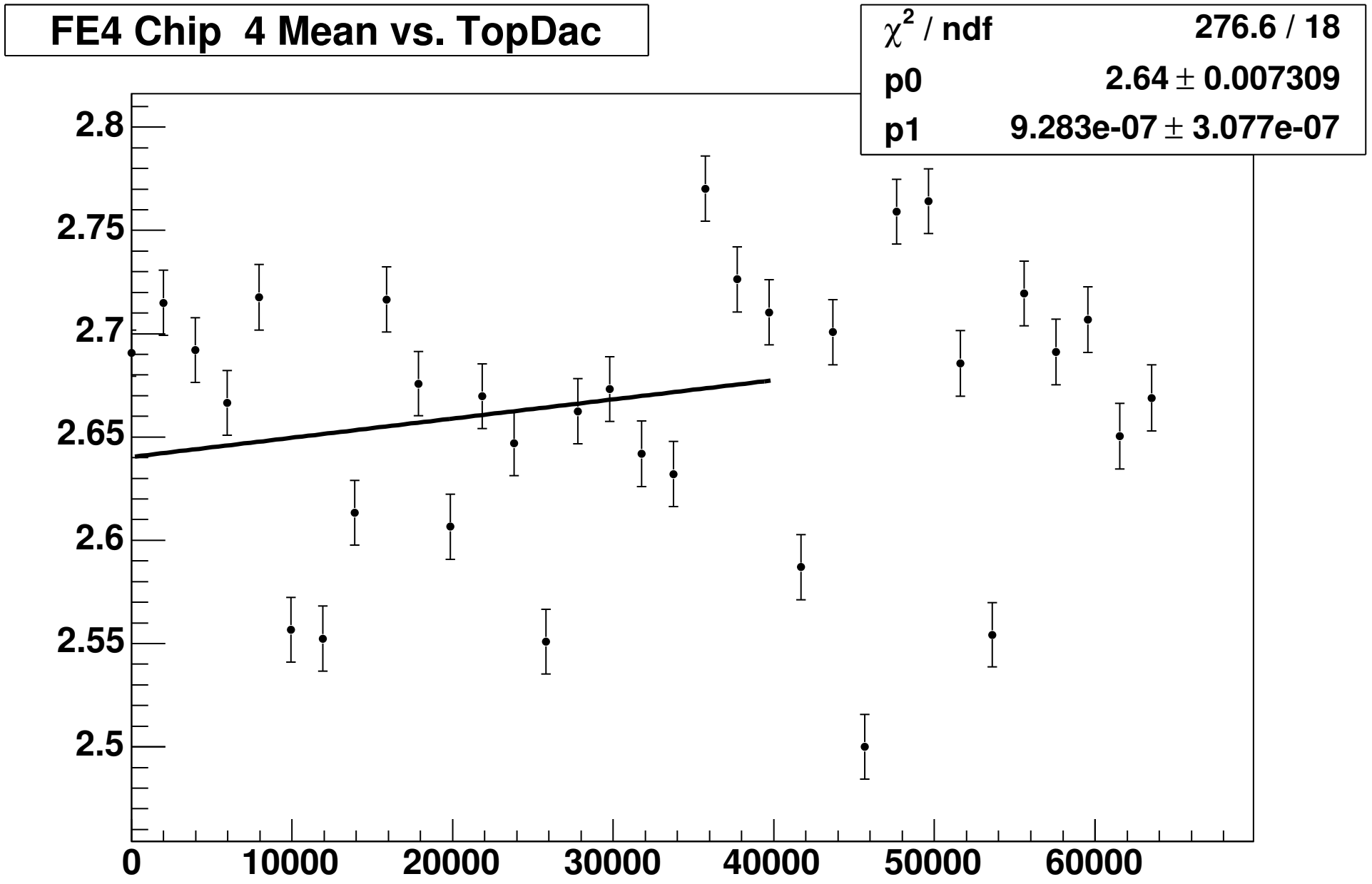
40000
50000
60000

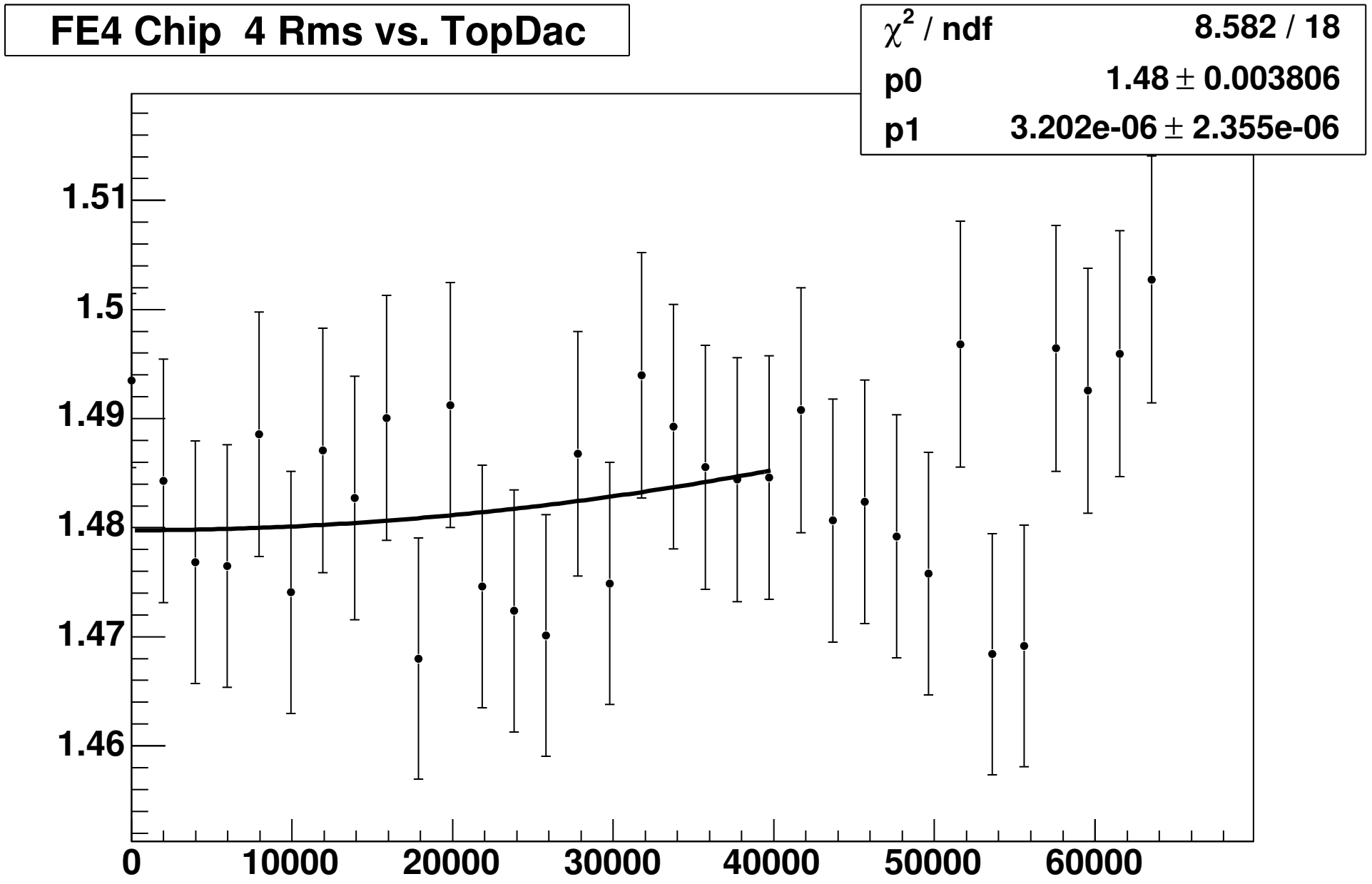

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 253.9 / 18
p0 9.928 ± 0.007121
p1 1.109e-07 ± 2.997e-07
10.05
10
9.95
9.9
9.85
9.8
9.75
9.7
0
10000
20000
30000
40000
50000
60000

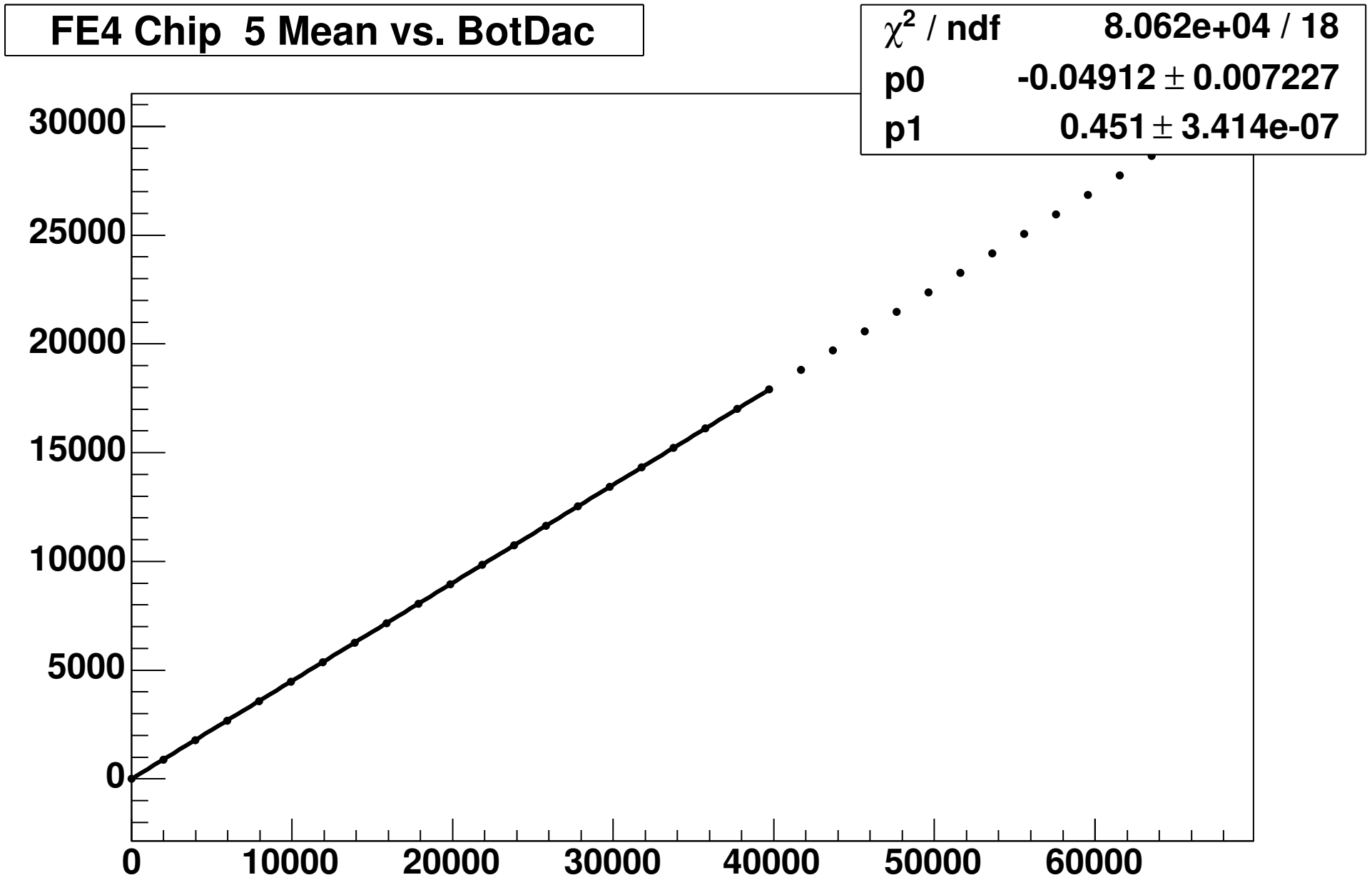

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 10.49 / 18
p0 1.444 ± 0.003711
p1 2.662e-06 ± 2.692e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

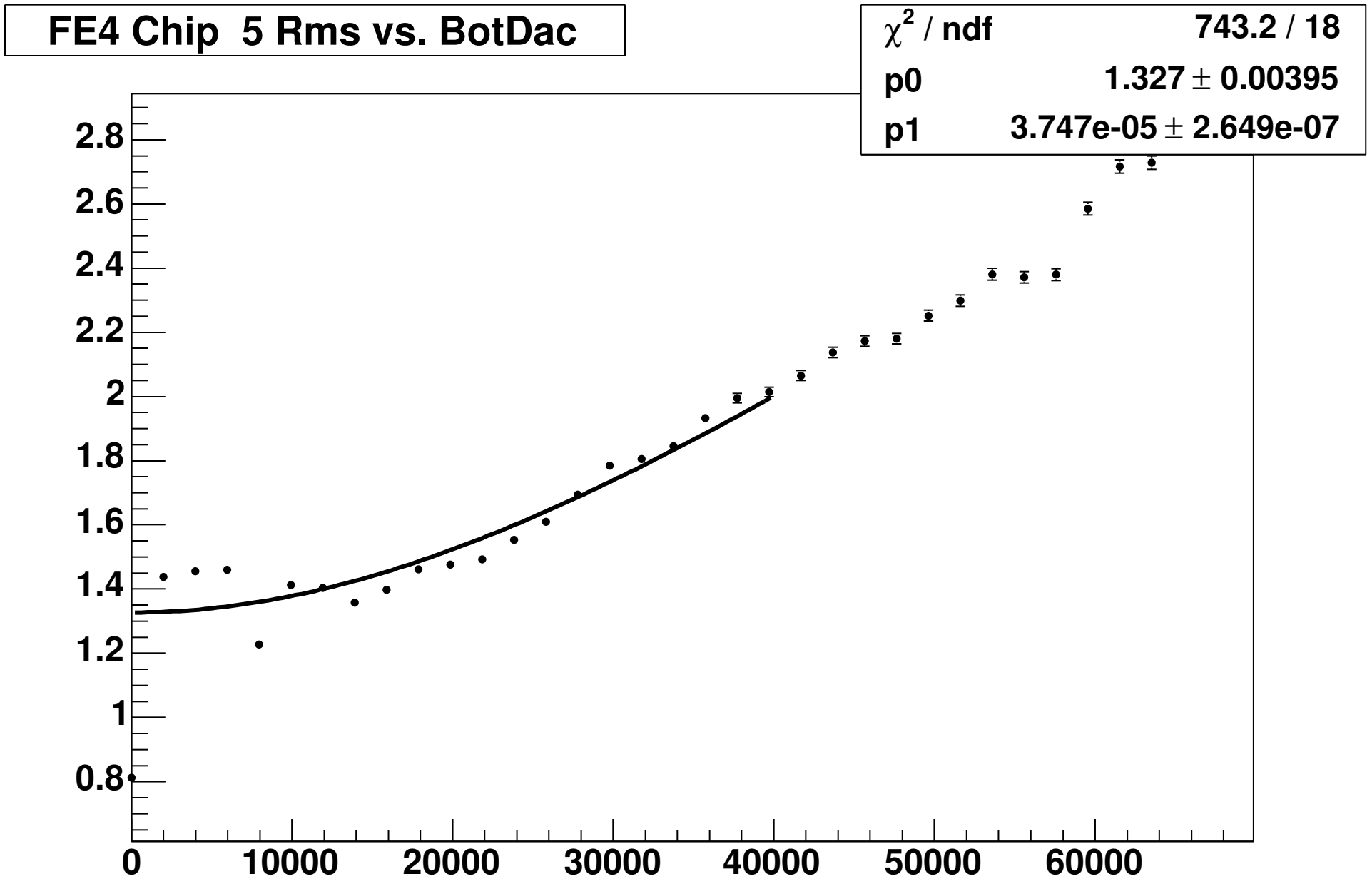

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 6.412e+04 / 18
p0 4.584 ± 0.007435
p1 0.4509 ± 3.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 996.3 / 18
p0 1.379 ± 0.004034
p1 3.563e-05 ± 2.831e-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


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 276.6 / 18
p0 2.64 ± 0.007309
p1 9.283e-07 ± 3.077e-07
2.8
2.75
2.7
2.65
2.6
2.55
2.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 8.582 / 18
p0 1.48 ± 0.003806
p1 3.202e-06 ± 2.355e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 8.062e+04 / 18
p0 -0.04912 ± 0.007227
p1 0.451 ± 3.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 743.2 / 18
p0 1.327 ± 0.00395
p1 3.747e-05 ± 2.649e-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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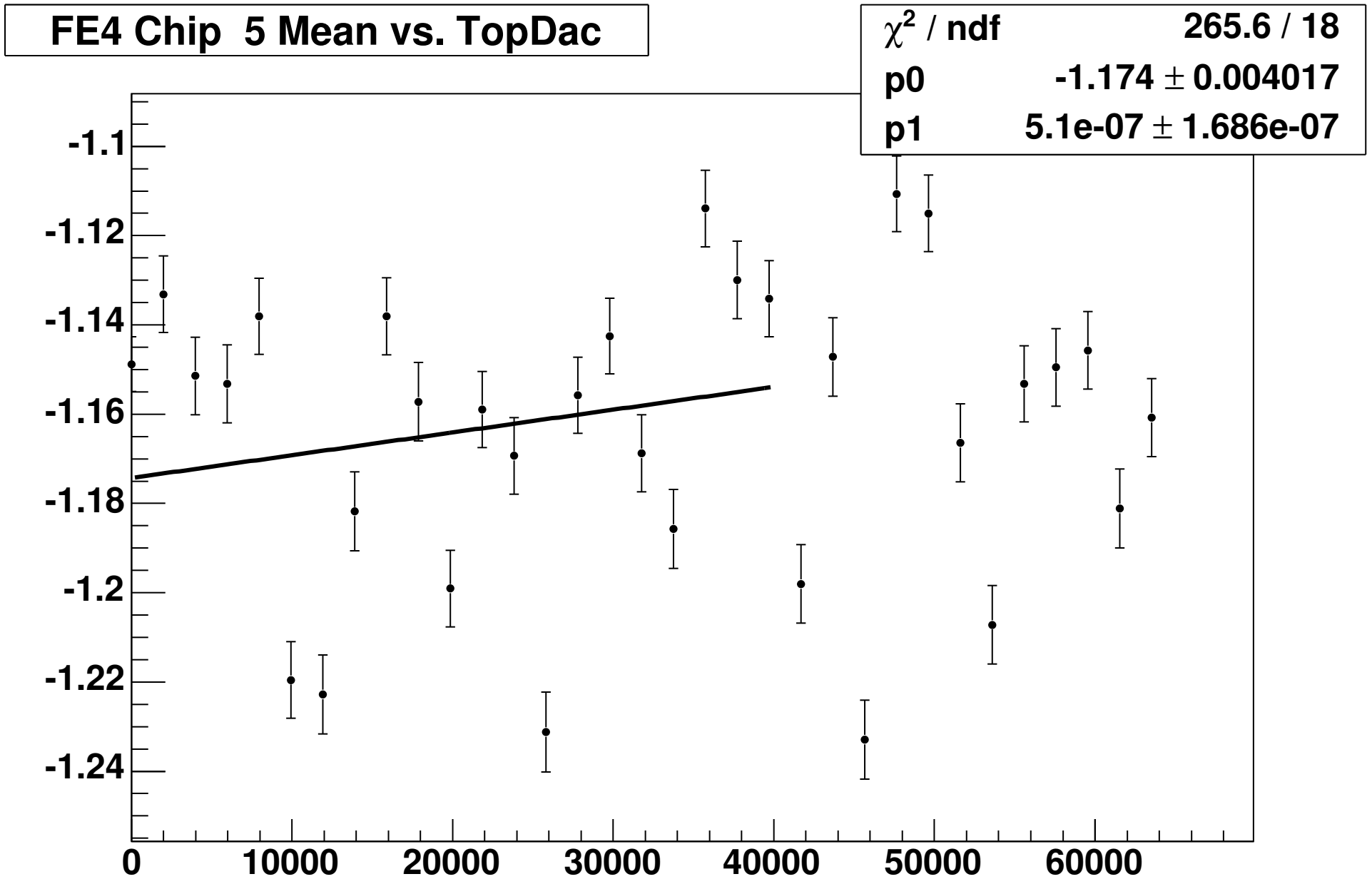
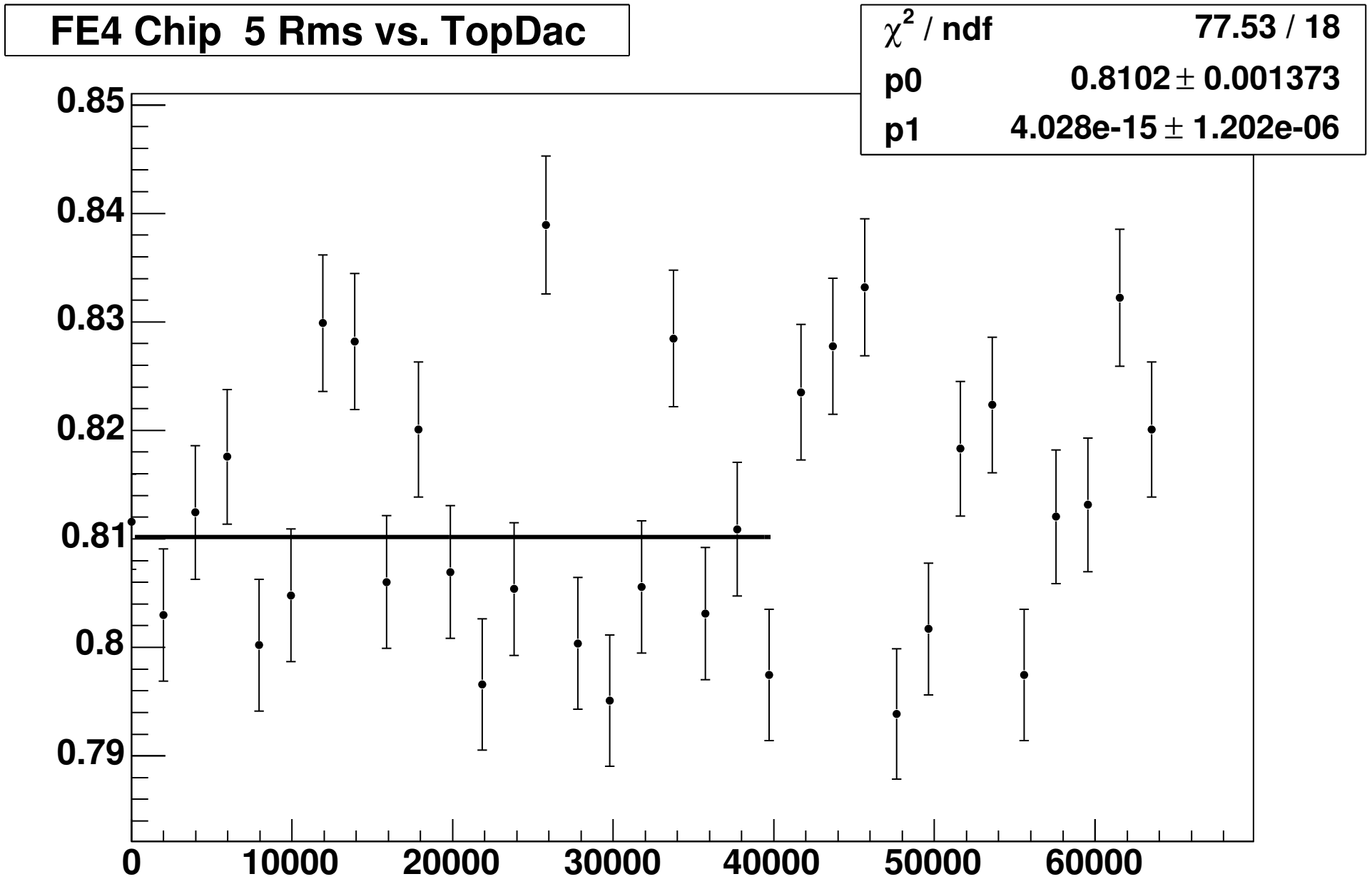
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 265.6 / 18
p0 -1.174 ± 0.004017
p1 5.1e-07 ± 1.686e-07
-1.1
-1.12
-1.14
-1.16
-1.18
-1.2
-1.22
-1.24
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ^2 / ndf 77.53 / 18
p0 0.8102 ± 0.001373
p1 4.028e-15 ± 1.202e-06
0.85
0.84
0.83
0.82
0.81
0.8
0.79
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10000
20000
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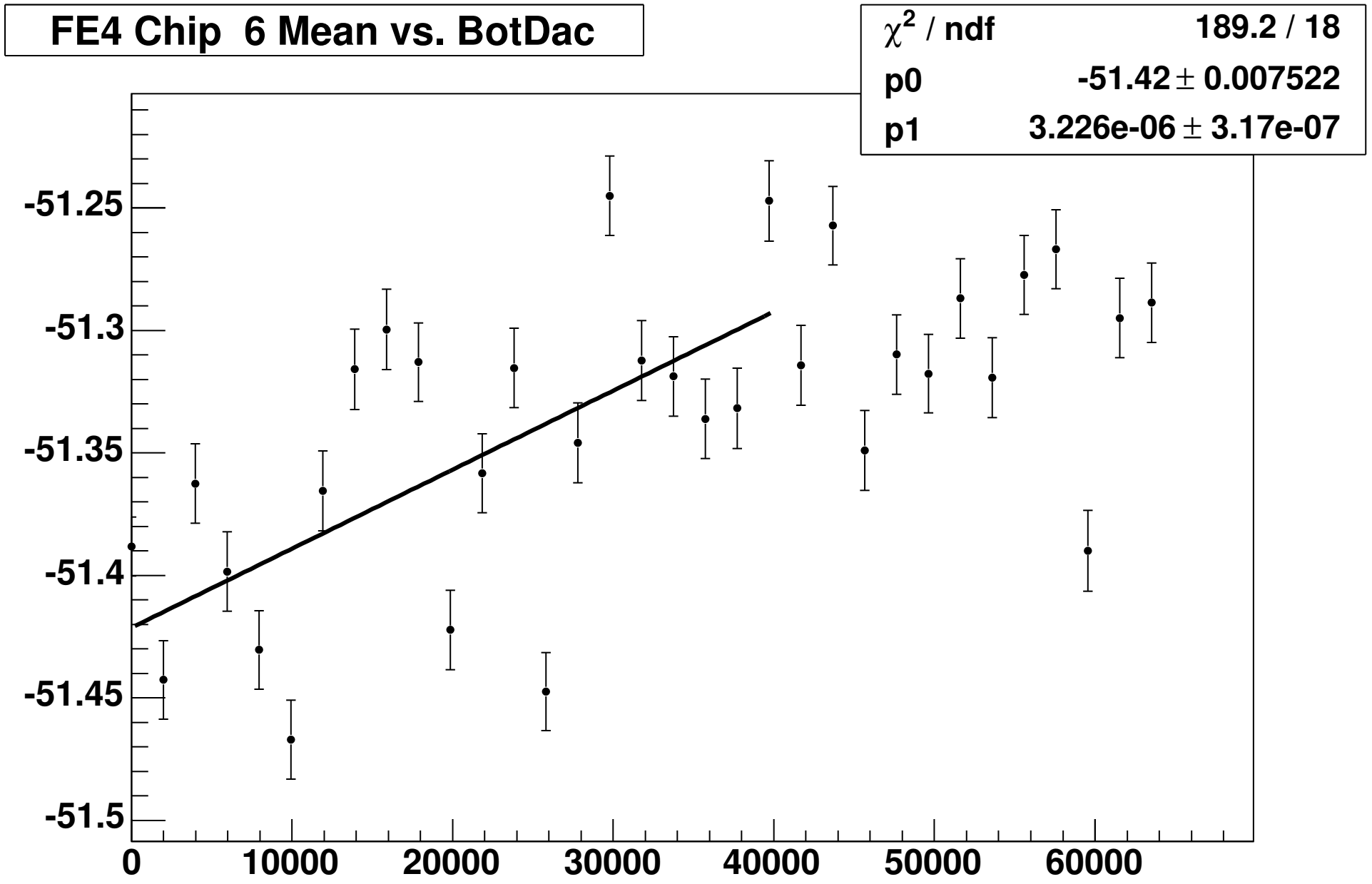
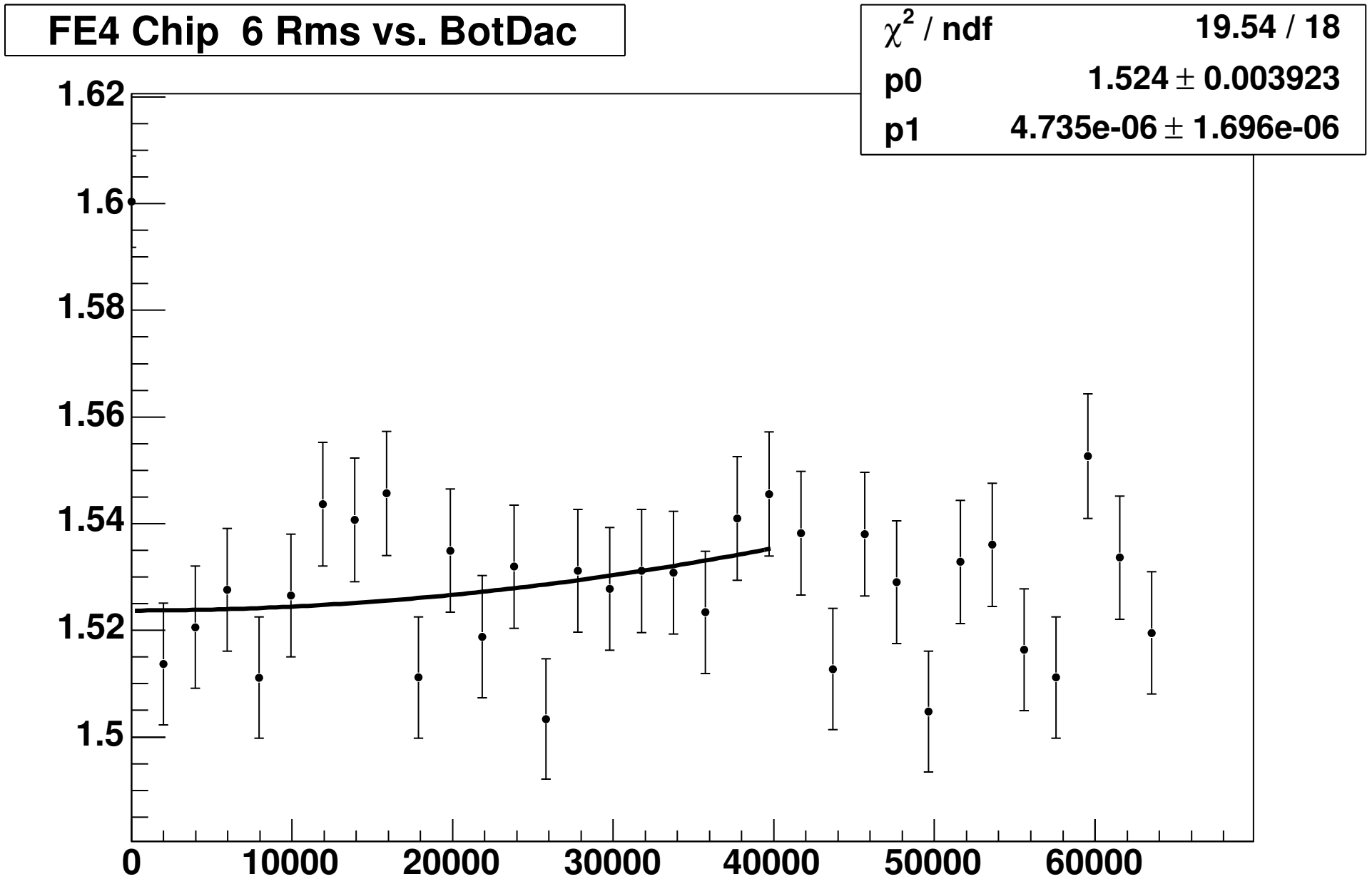
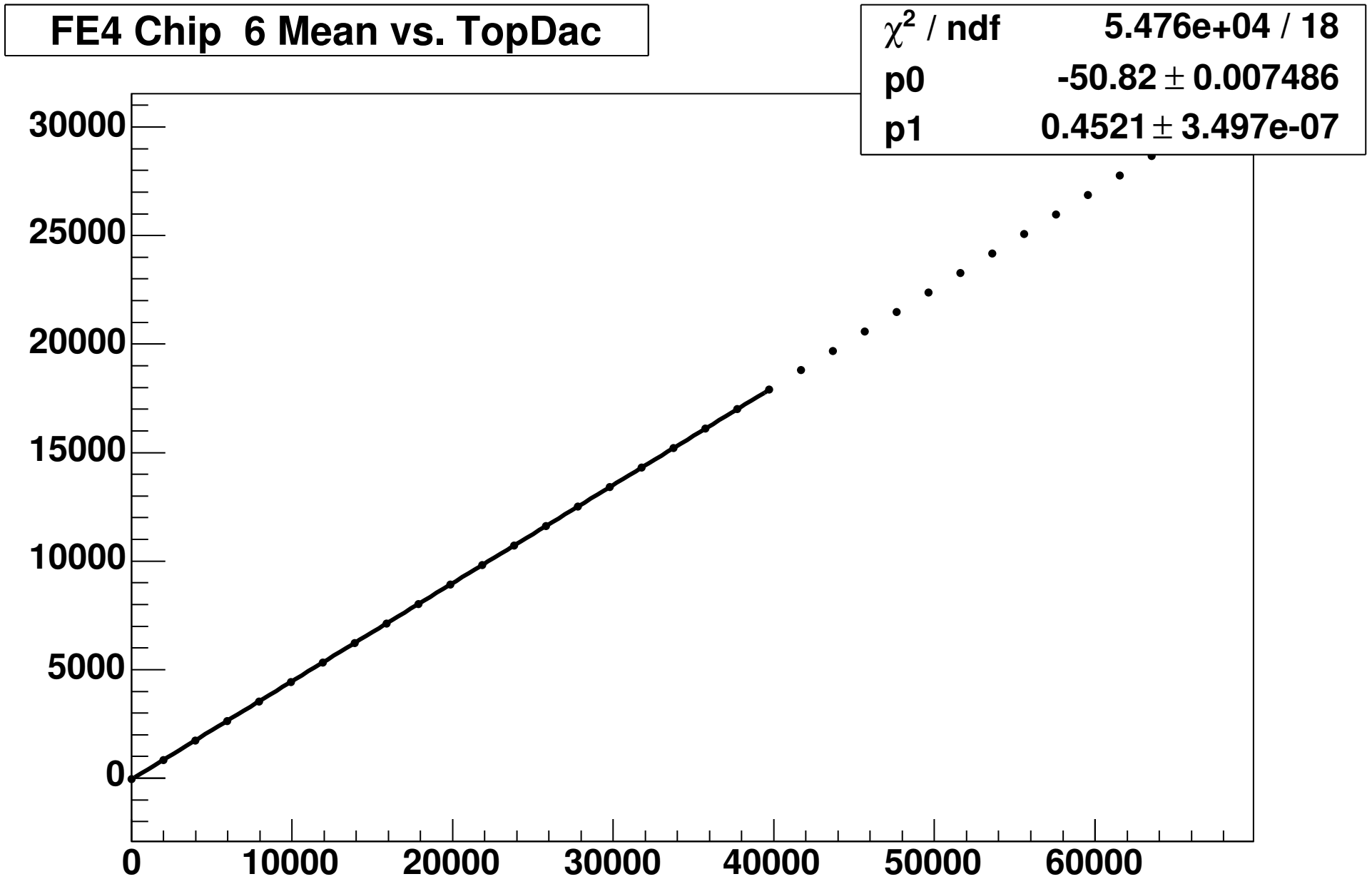
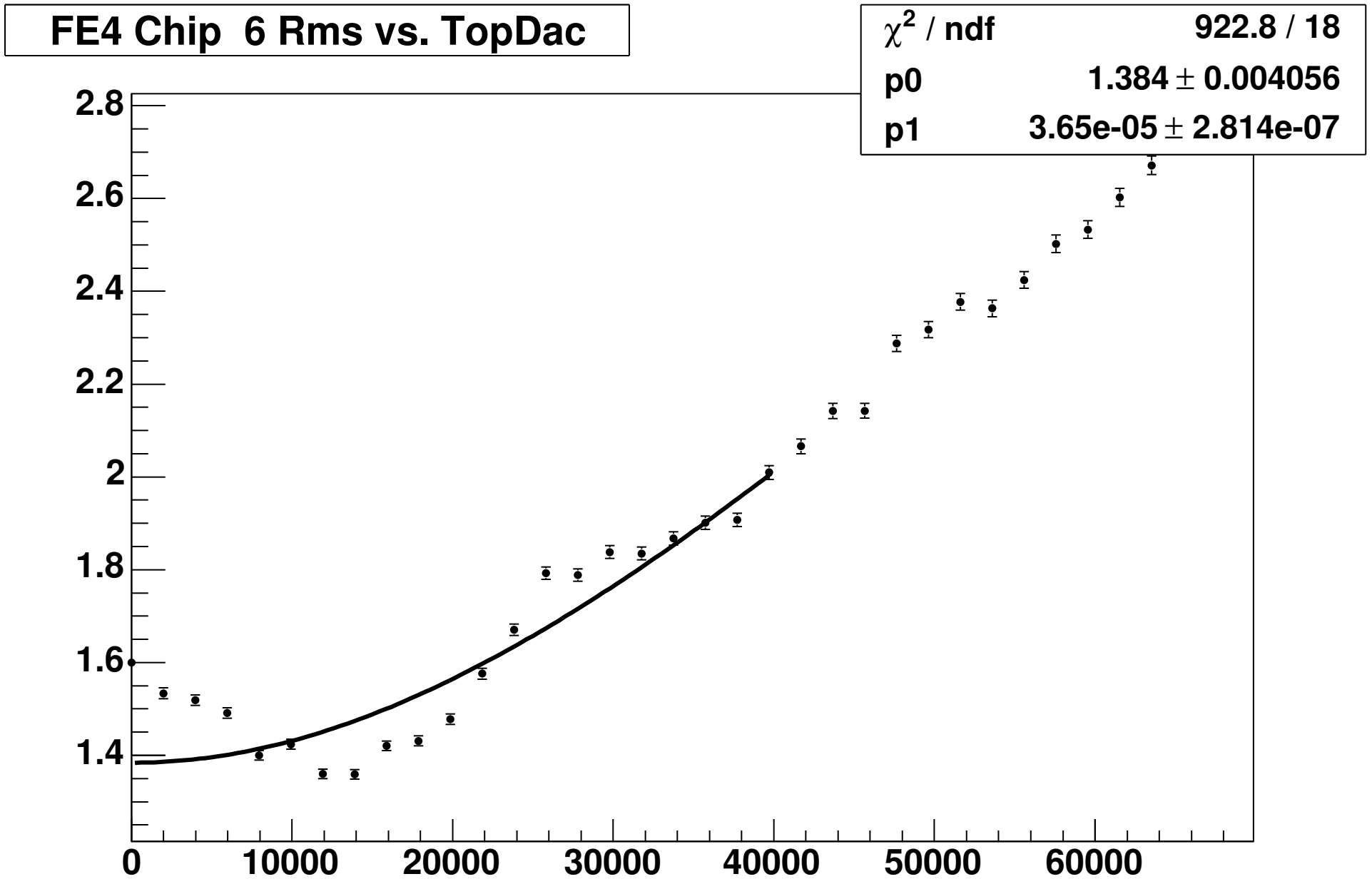
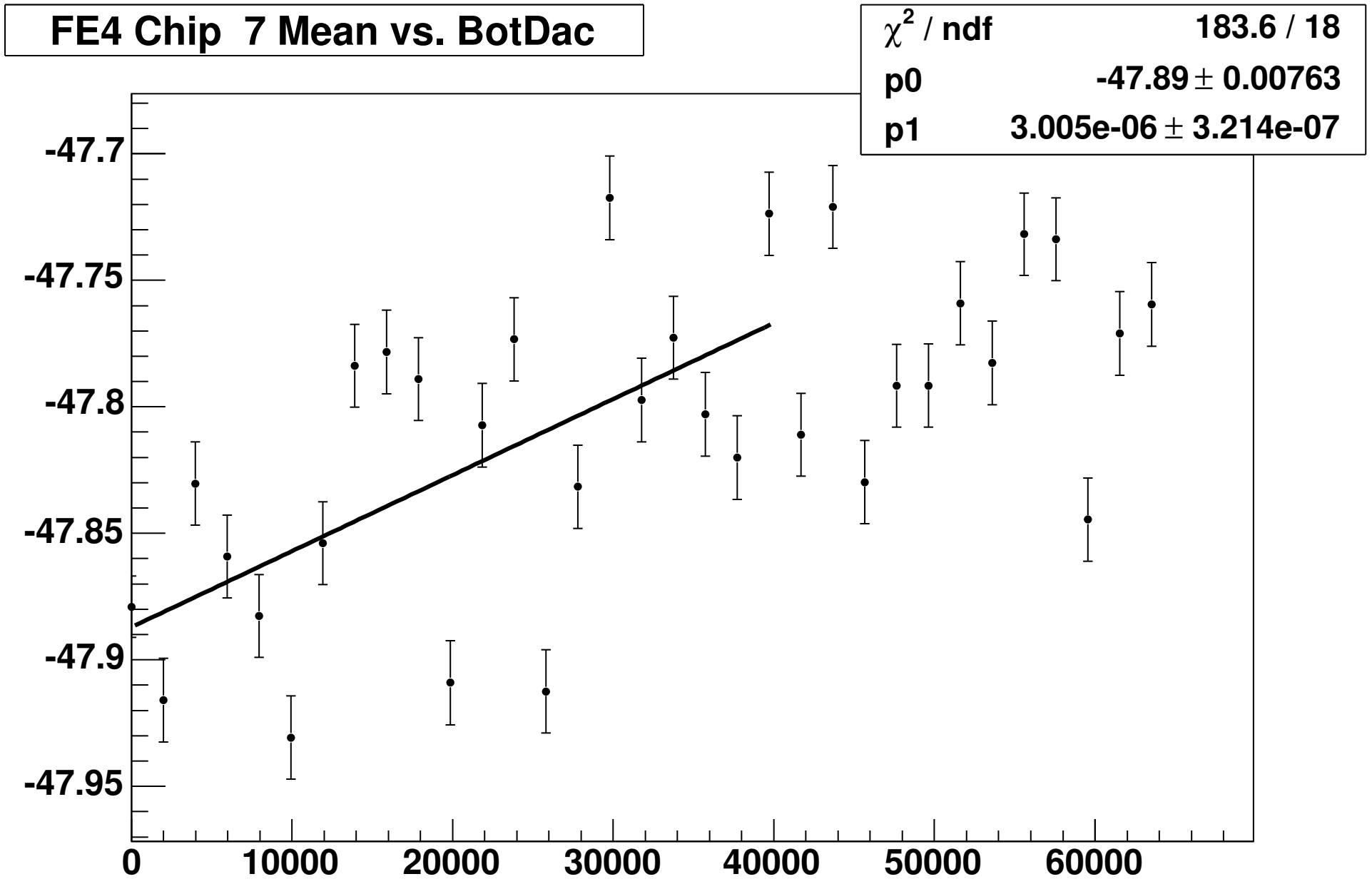
40000
50000
60000

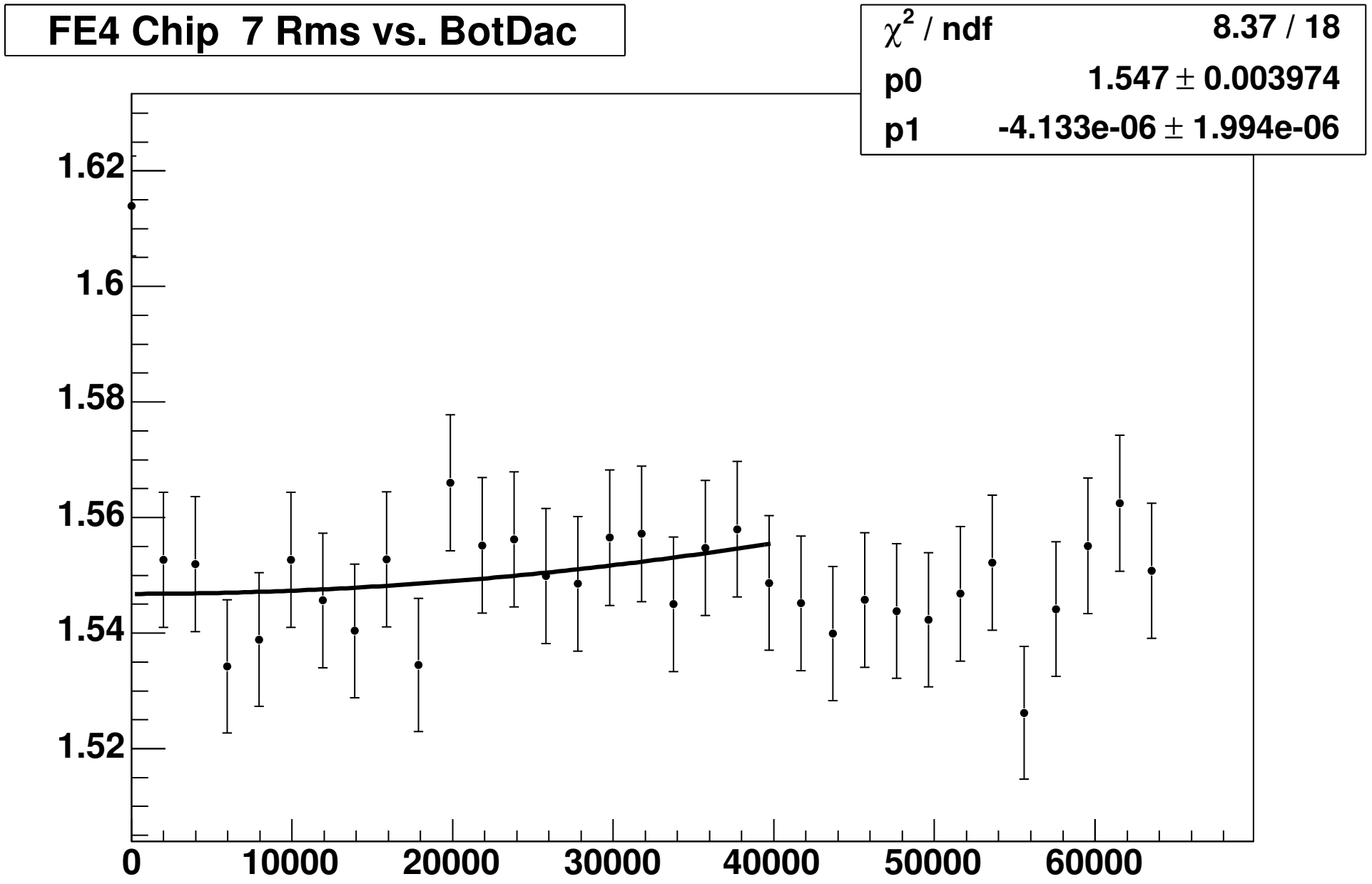

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 189.2 / 18
p0 -51.42 ± 0.007522
p1 3.226e-06 ± 3.17e-07
-51.25
-51.3
-51.35
-51.4
-51.45
-51.5
0
10000
20000
30000
40000
50000
60000

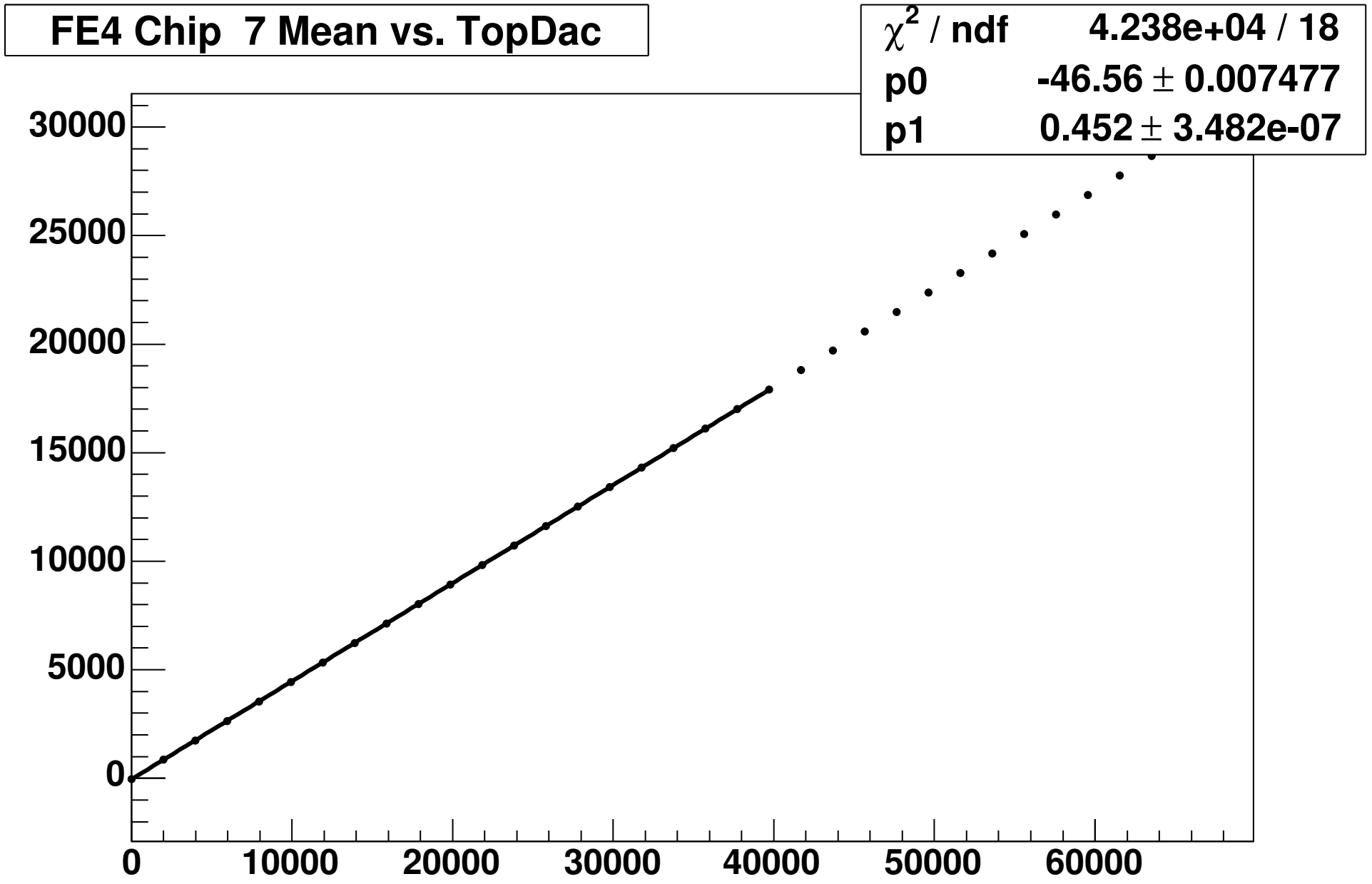

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 19.54 / 18
p0 1.524 ± 0.003923
p1 4.735e-06 ± 1.696e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

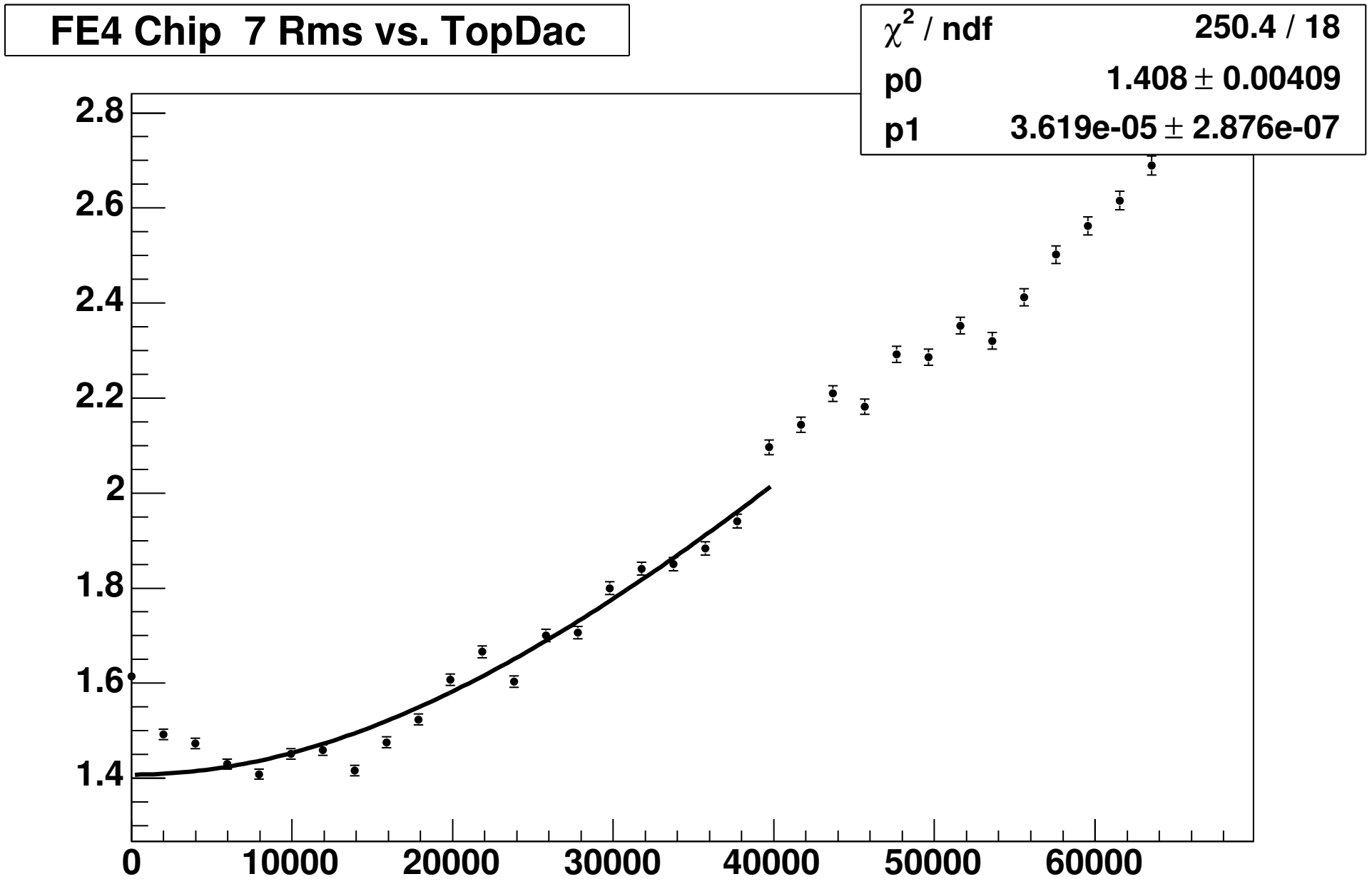

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 5.476e+04 / 18
p0 -50.82 ± 0.007486
p1 0.4521 ± 3.497e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

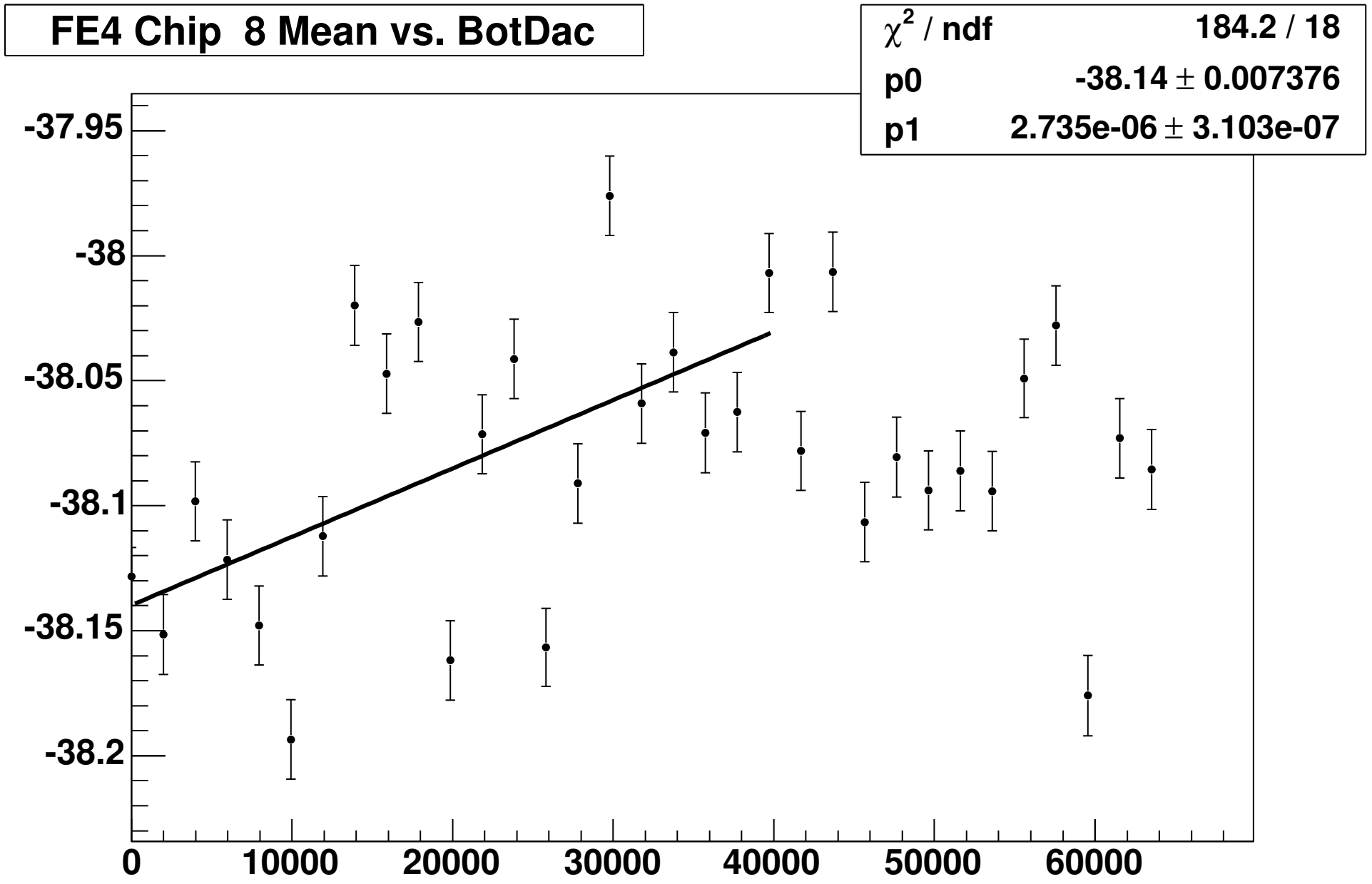

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 922.8 / 18
p0 1.384 ± 0.004056
p1 3.65e-05 ± 2.814e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

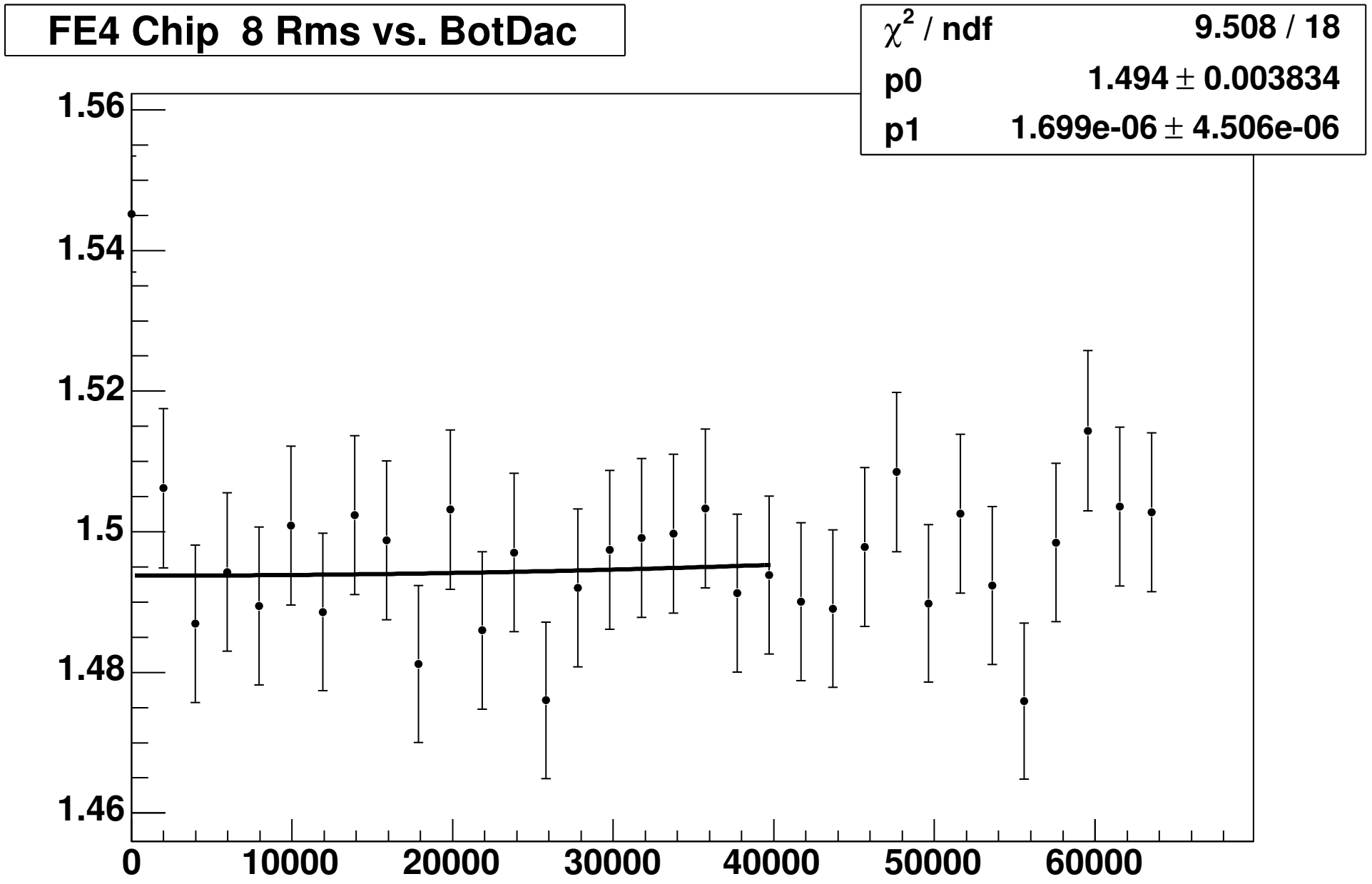

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 183.6 / 18
p0 -47.89 ± 0.00763
p1 3.005e-06 ± 3.214e-07
-47.7
-47.75
-47.8
-47.85
-47.9
-47.95
0
10000
20000
30000
40000
50000
60000

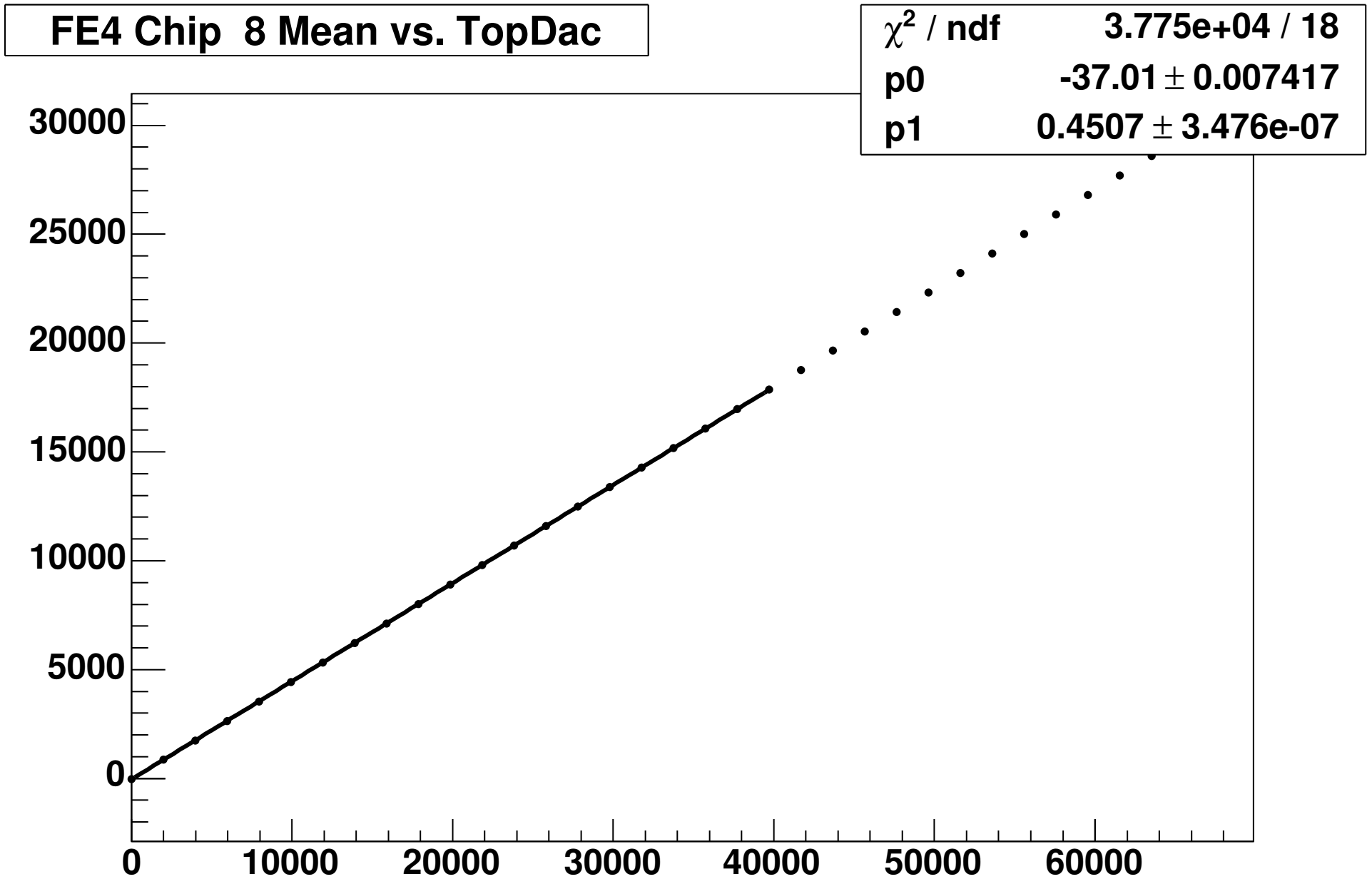

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 8.37 / 18
p0 1.547 ± 0.003974
p1 -4.133e-06 ± 1.994e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000

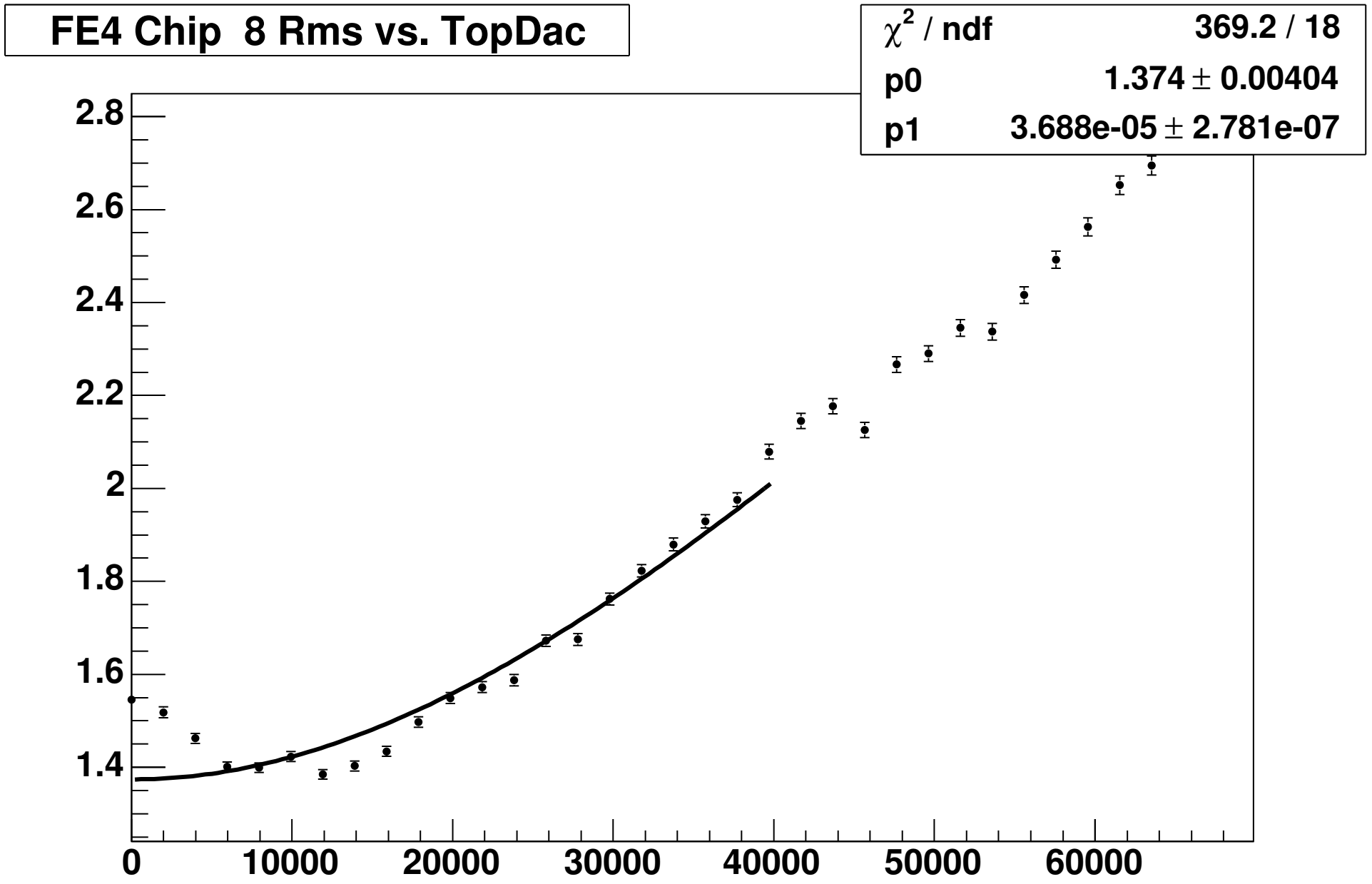

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 4.238e+04 / 18
p0 -46.56 ± 0.007477
p1 0.452 ± 3.482e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 250.4 / 18
p0 1.408 ± 0.00409
p1 3.619e-05 ± 2.876e-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 8 Mean vs. BotDac
χ² / ndf 184.2 / 18
p0 -38.14 ± 0.007376
p1 2.735e-06 ± 3.103e-07
-37.95
-38
-38.05
-38.1
-38.15
-38.2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ^2 / ndf 9.508 / 18
p0 1.494 ± 0.003834
p1 1.699e-06 ± 4.506e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 3.775e+04 / 18
p0 -37.01 ± 0.007417
p1 0.4507 ± 3.476e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 369.2 / 18
p0 1.374 ± 0.00404
p1 3.688e-05 ± 2.781e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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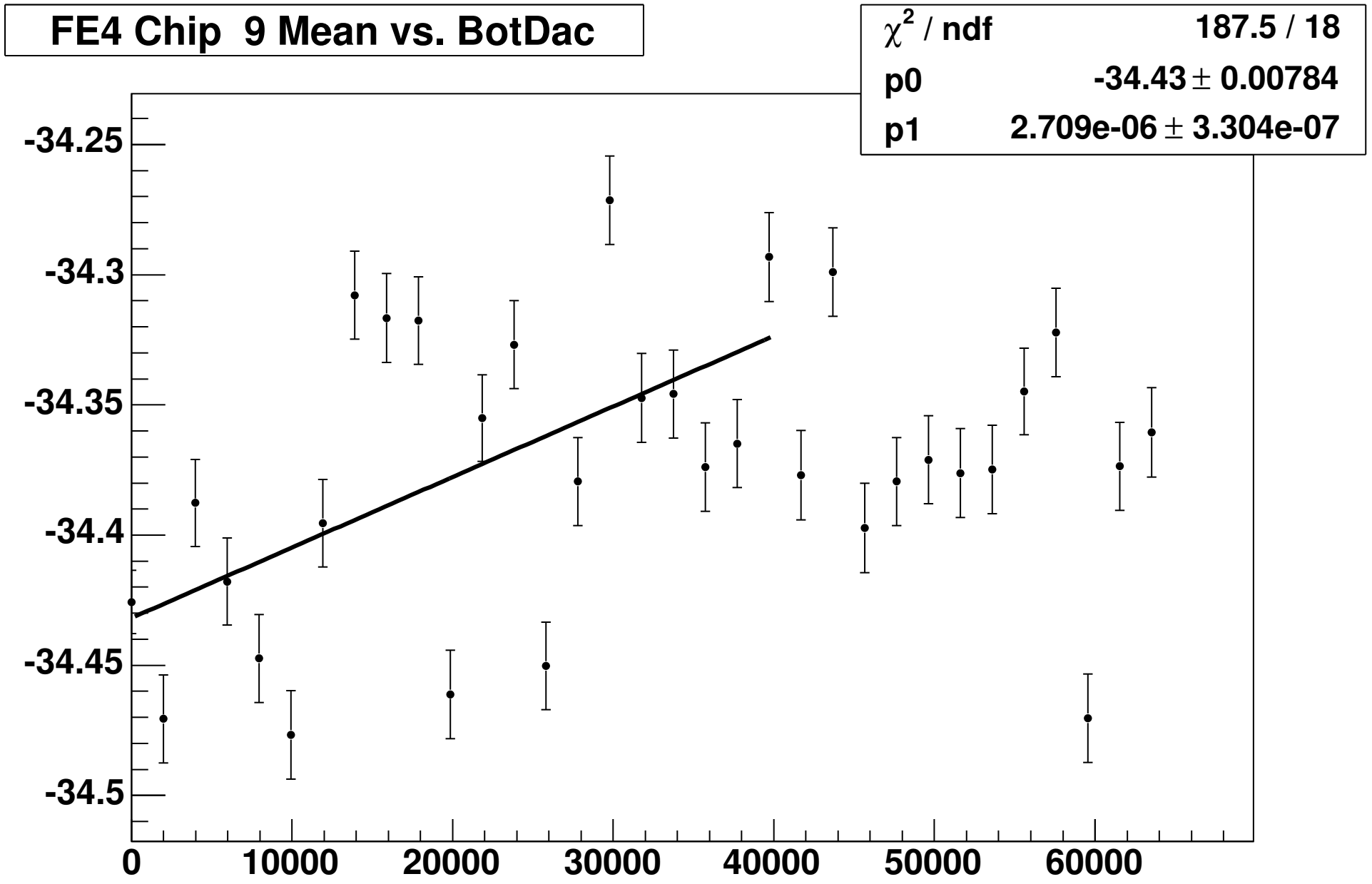
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 187.5 / 18
p0 -34.43 ± 0.00784
p1 2.709e-06 ± 3.304e-07
-34.25
-34.3
-34.35
-34.4
-34.45
-34.5
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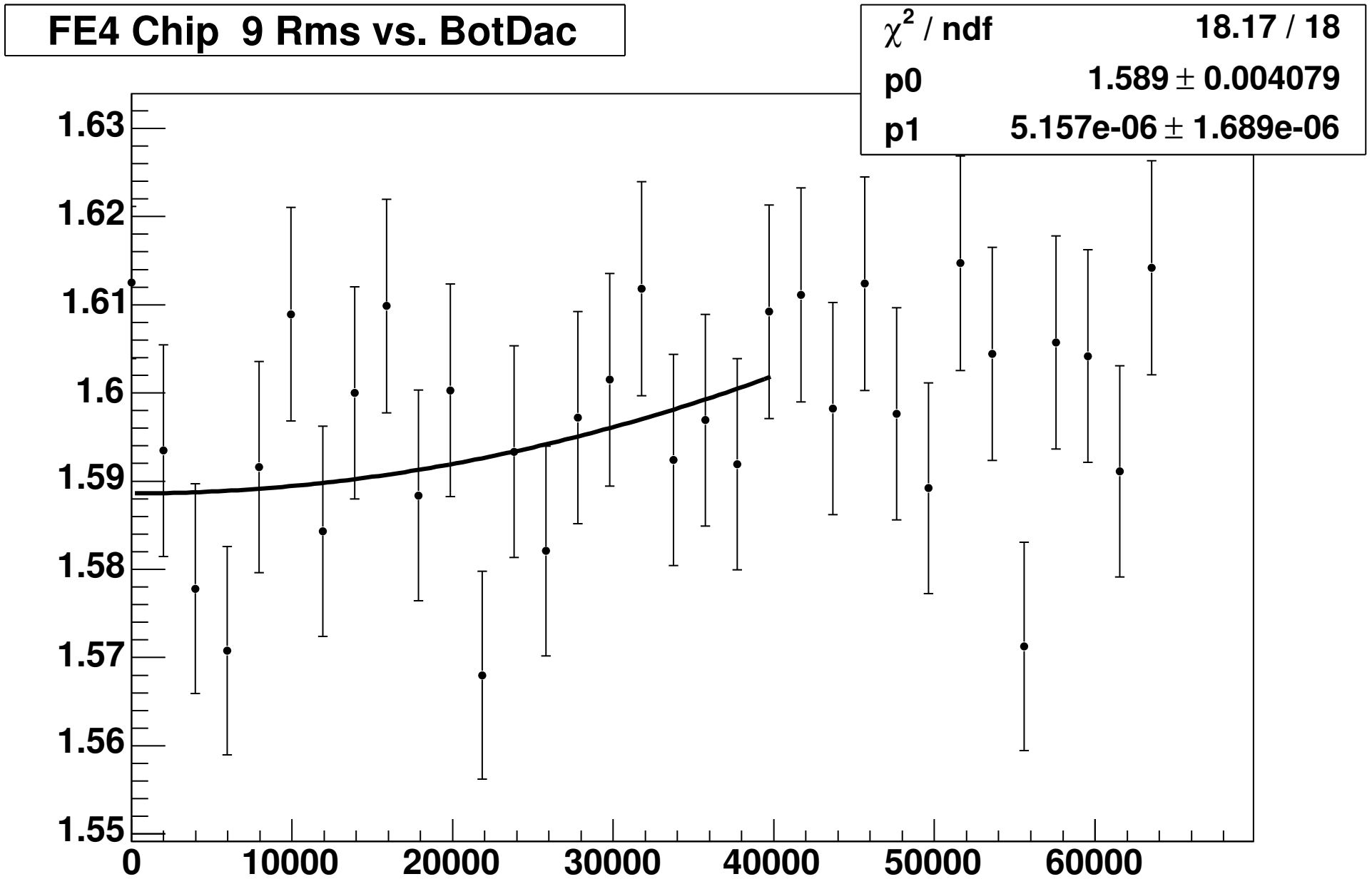
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 18.17 / 18
p0 1.589 ± 0.004079
p1 5.157e-06 ± 1.689e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
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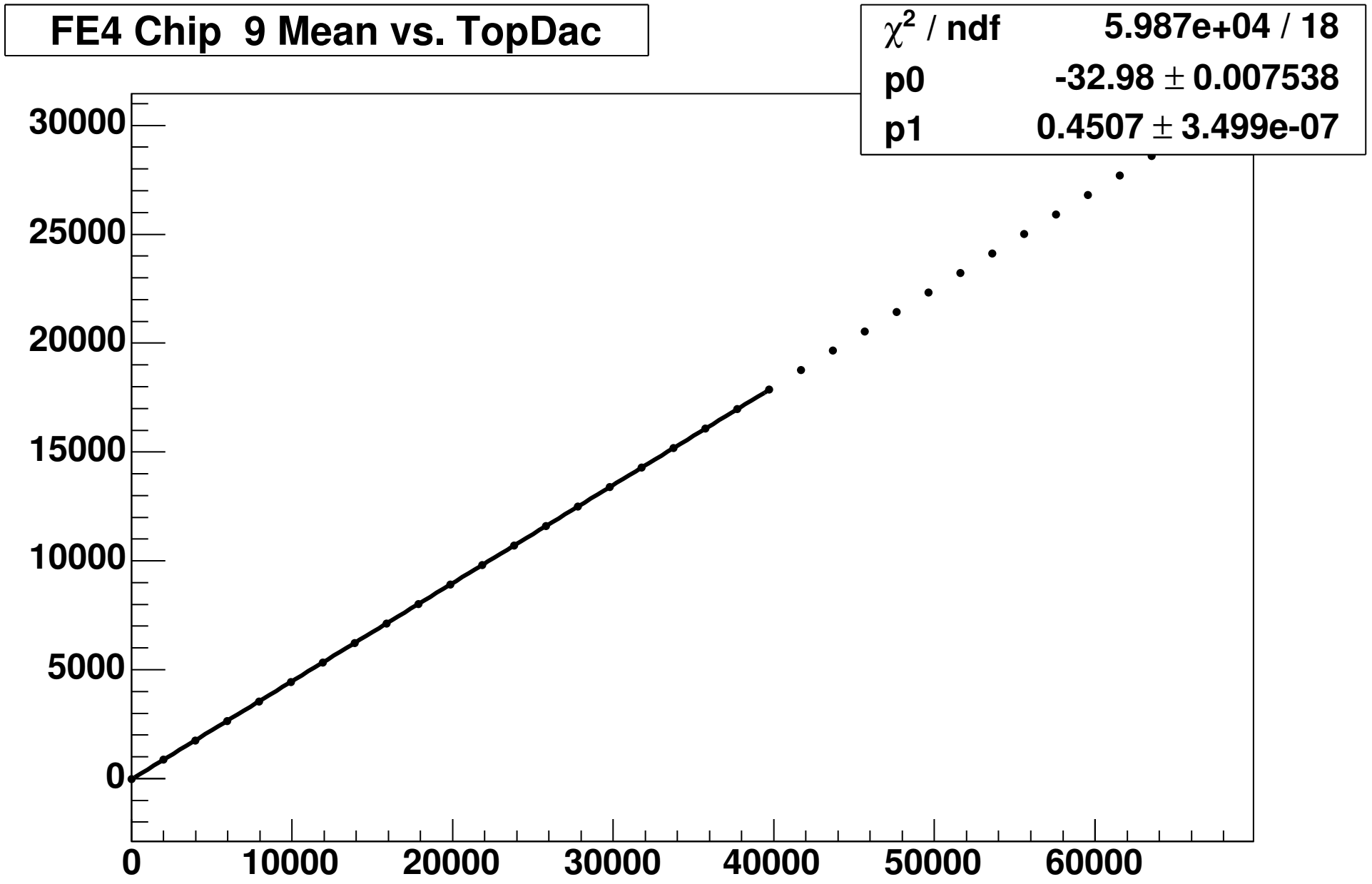
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 5.987e+04 / 18
p0 -32.98 ± 0.007538
p1 0.4507 ± 3.499e-07
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25000
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15000
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5000
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10000
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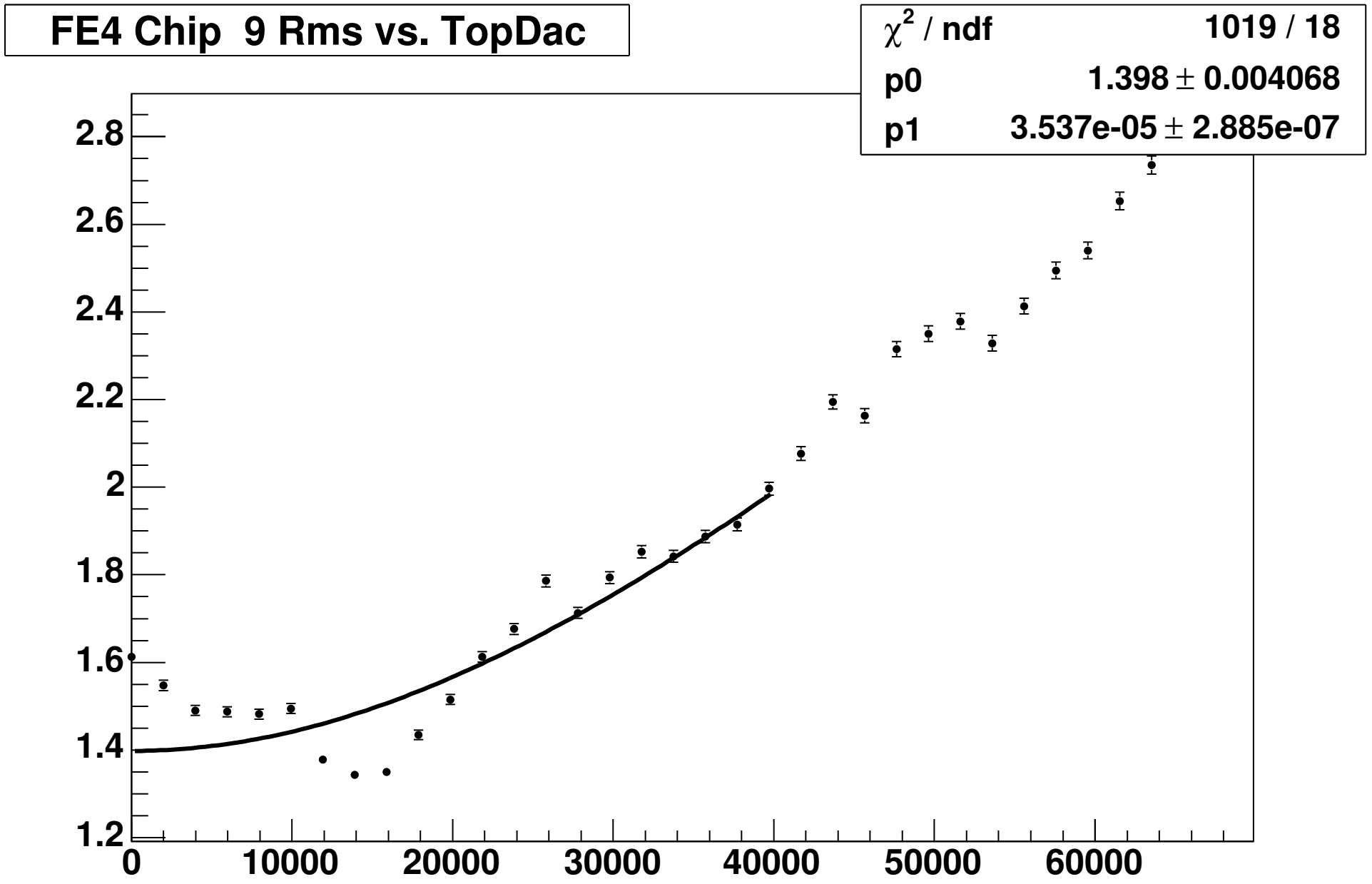
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1019 / 18
p0 1.398 ± 0.004068
p1 3.537e-05 ± 2.885e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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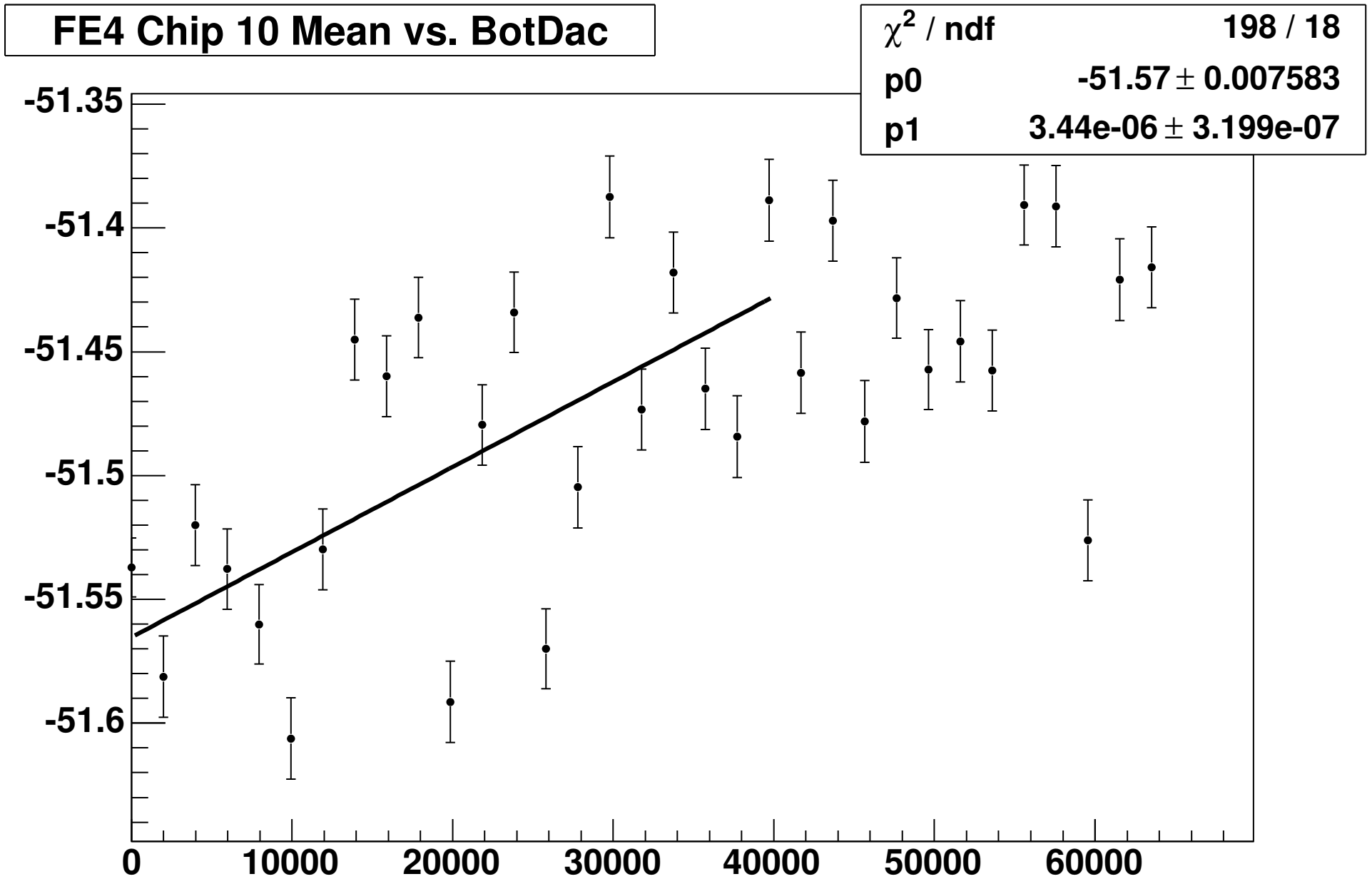
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 198 / 18
p0 -51.57 ± 0.007583
p1 3.44e-06 ± 3.199e-07
-51.35
-51.4
-51.45
-51.5
-51.55
-51.6
0
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50000
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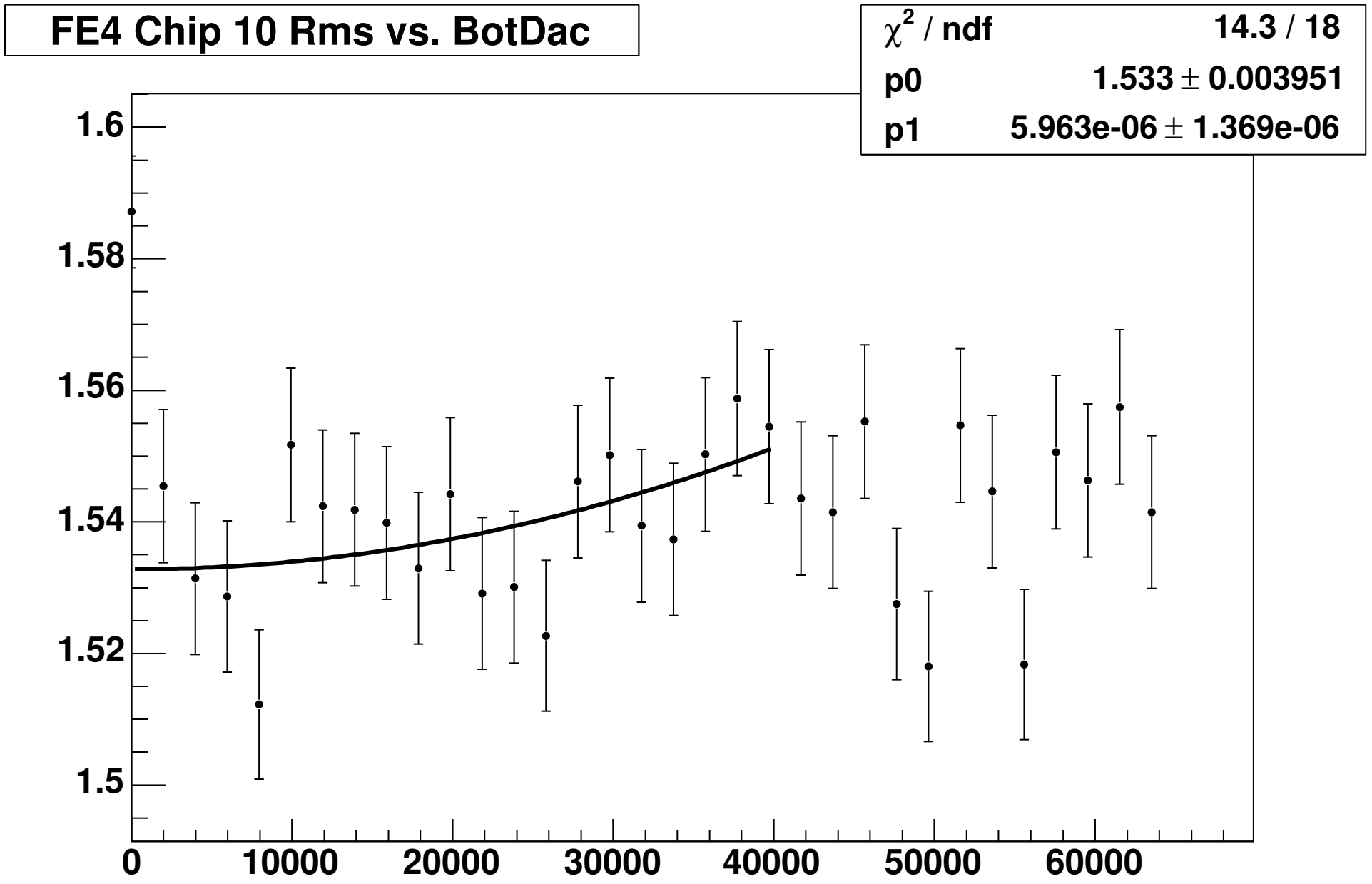
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 14.3 / 18
p0 1.533 ± 0.003951
p1 5.963e-06 ± 1.369e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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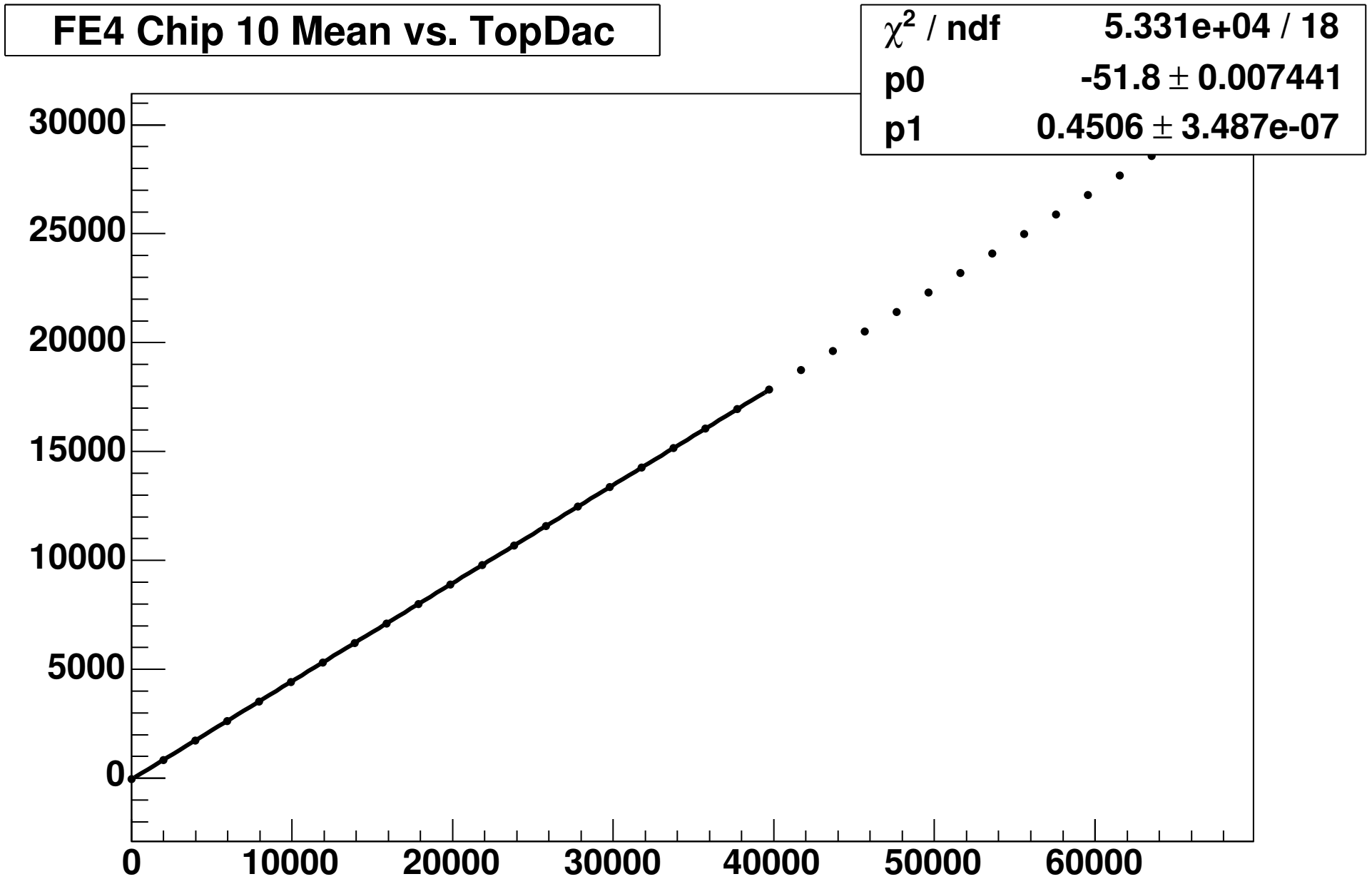
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 5.331e+04 / 18
p0 -51.8 ± 0.007441
p1 0.4506 ± 3.487e-07
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5000
0
0
10000
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40000
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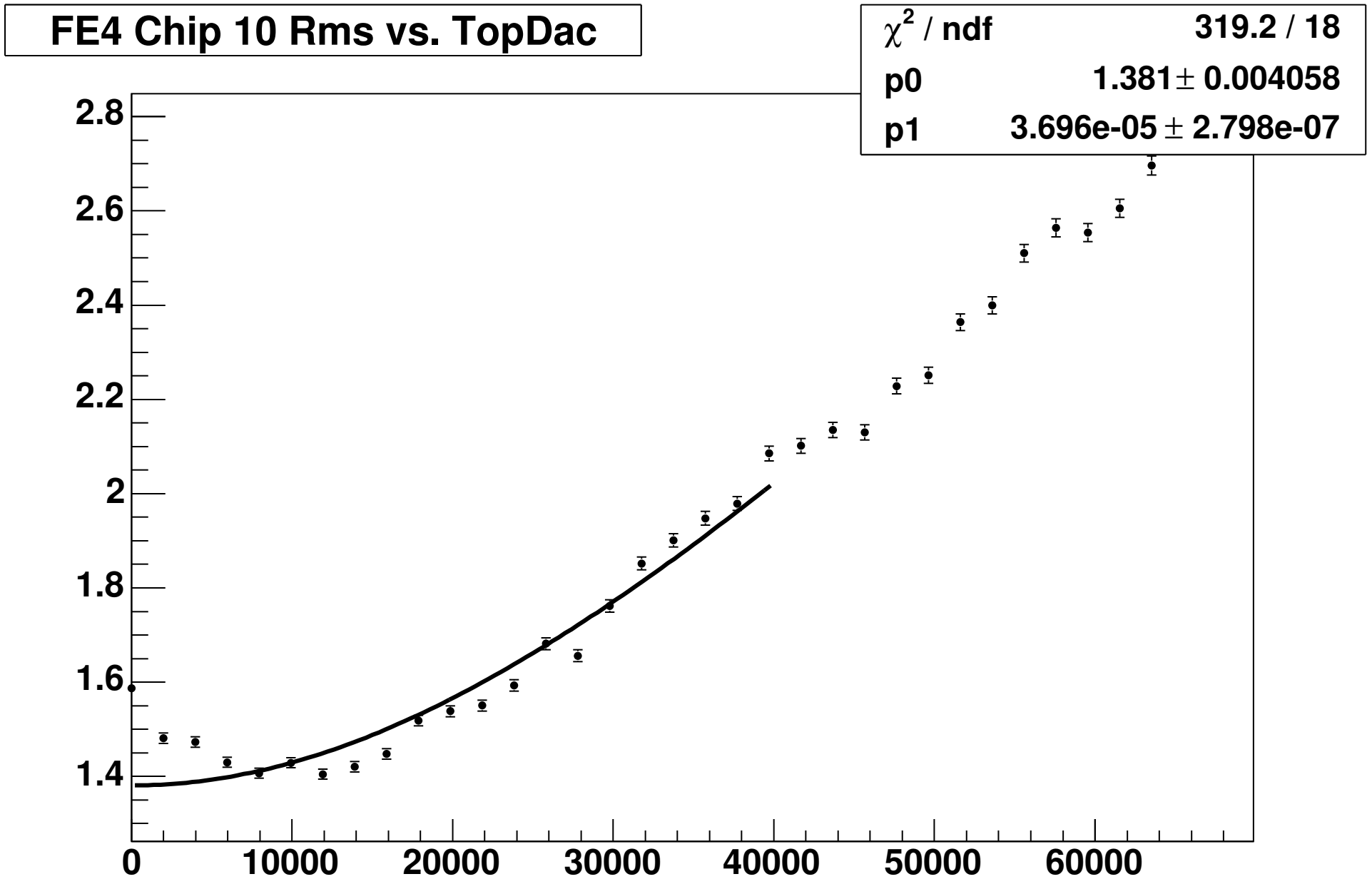
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 319.2 / 18
p0 1.381 ± 0.004058
p1 3.696e-05 ± 2.798e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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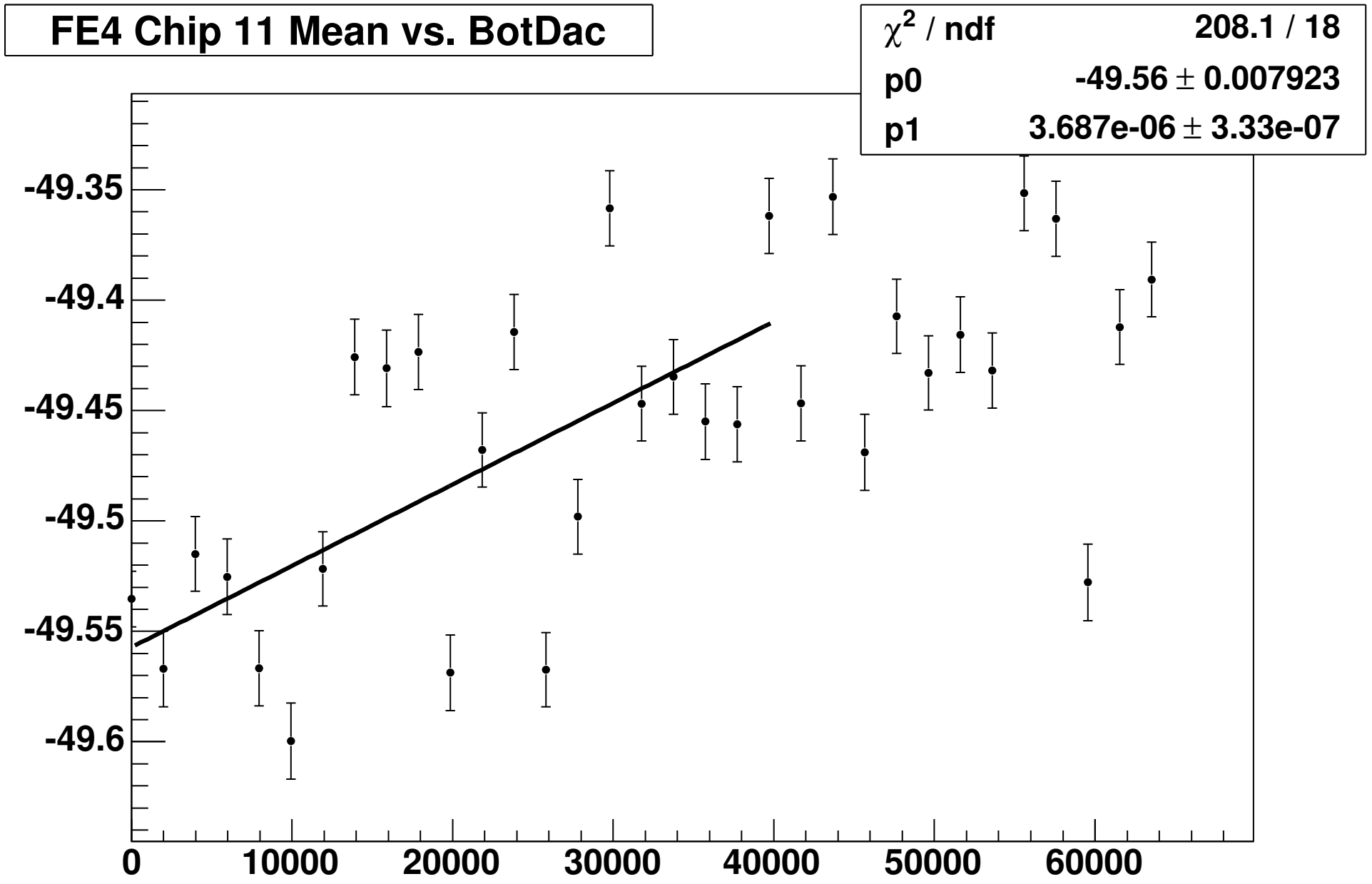
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 208.1 / 18
p0 -49.56 ± 0.007923
p1 3.687e-06 ± 3.33e-07
-49.35
-49.4
-49.45
-49.5
-49.55
-49.6
0
10000
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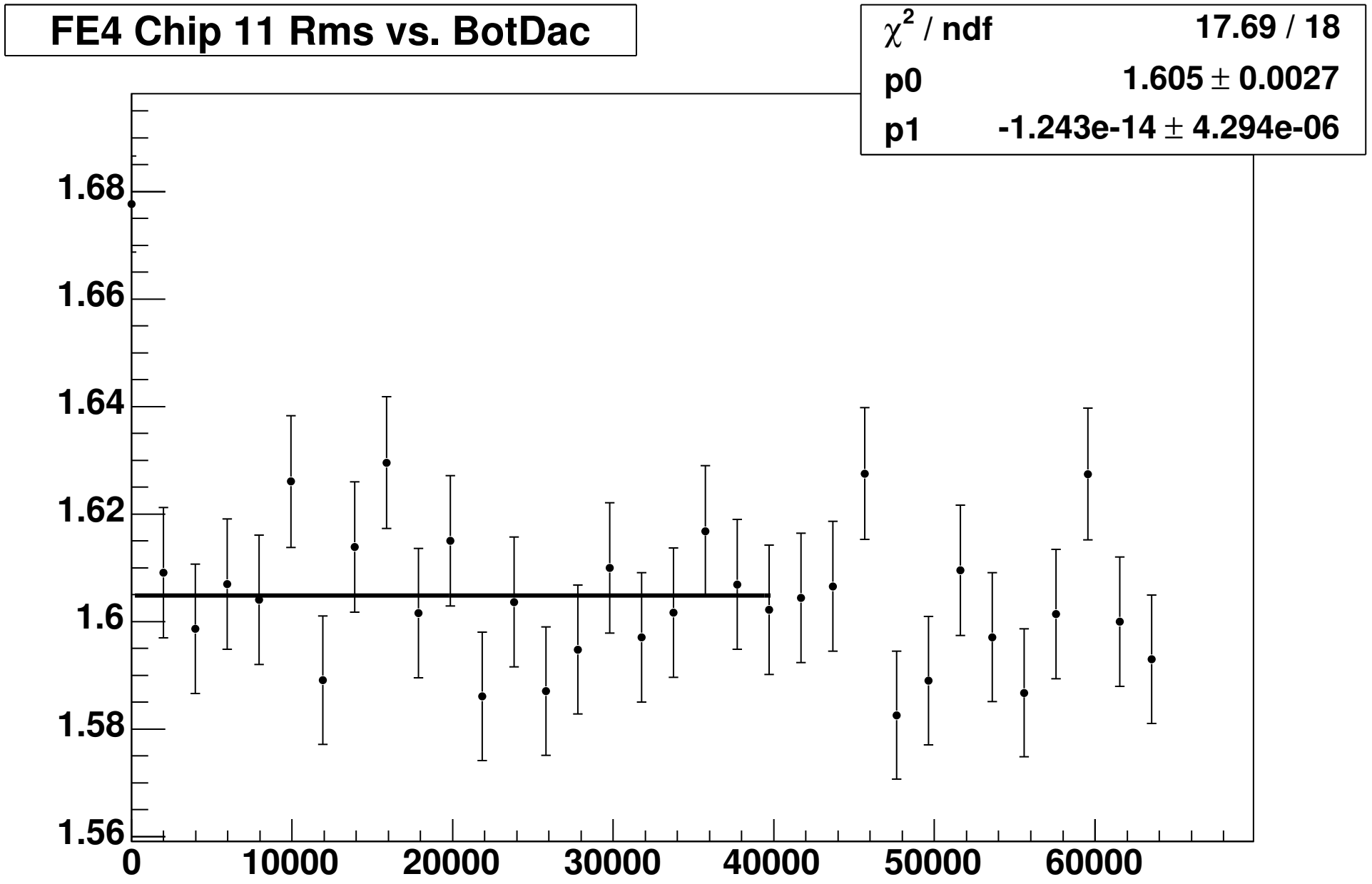
30000
40000
50000
60000


FE4 Chip 11 Rms vs. BotDac
χ^2 / ndf 17.69 / 18
p0 1.605 ± 0.0027
p1 -1.243e-14 ± 4.294e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
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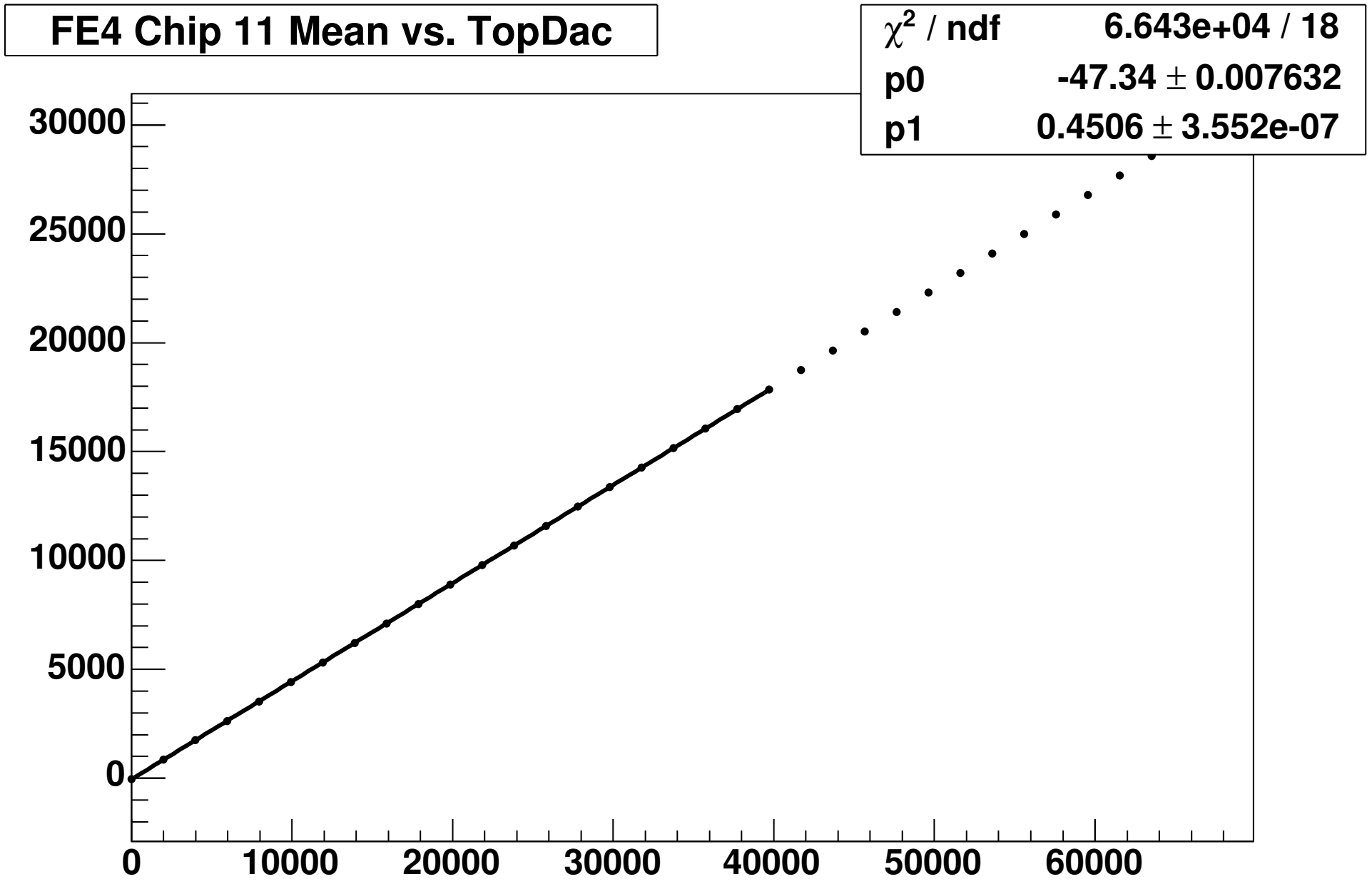
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 6.643e+04 / 18
p0 -47.34 ± 0.007632
p1 0.4506 ± 3.552e-07
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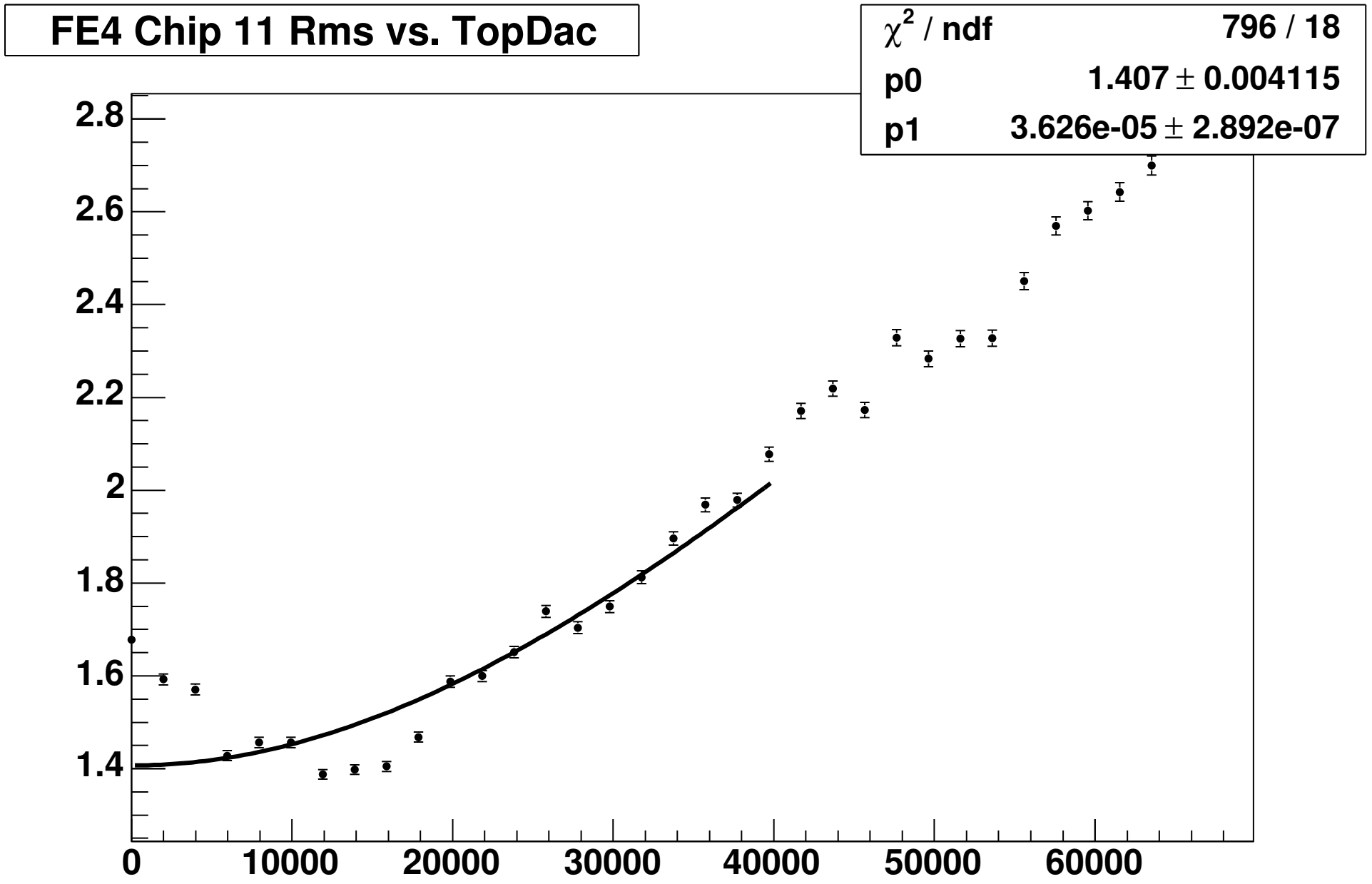
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 796 / 18
p0 1.407 ± 0.004115
p1 3.626e-05 ± 2.892e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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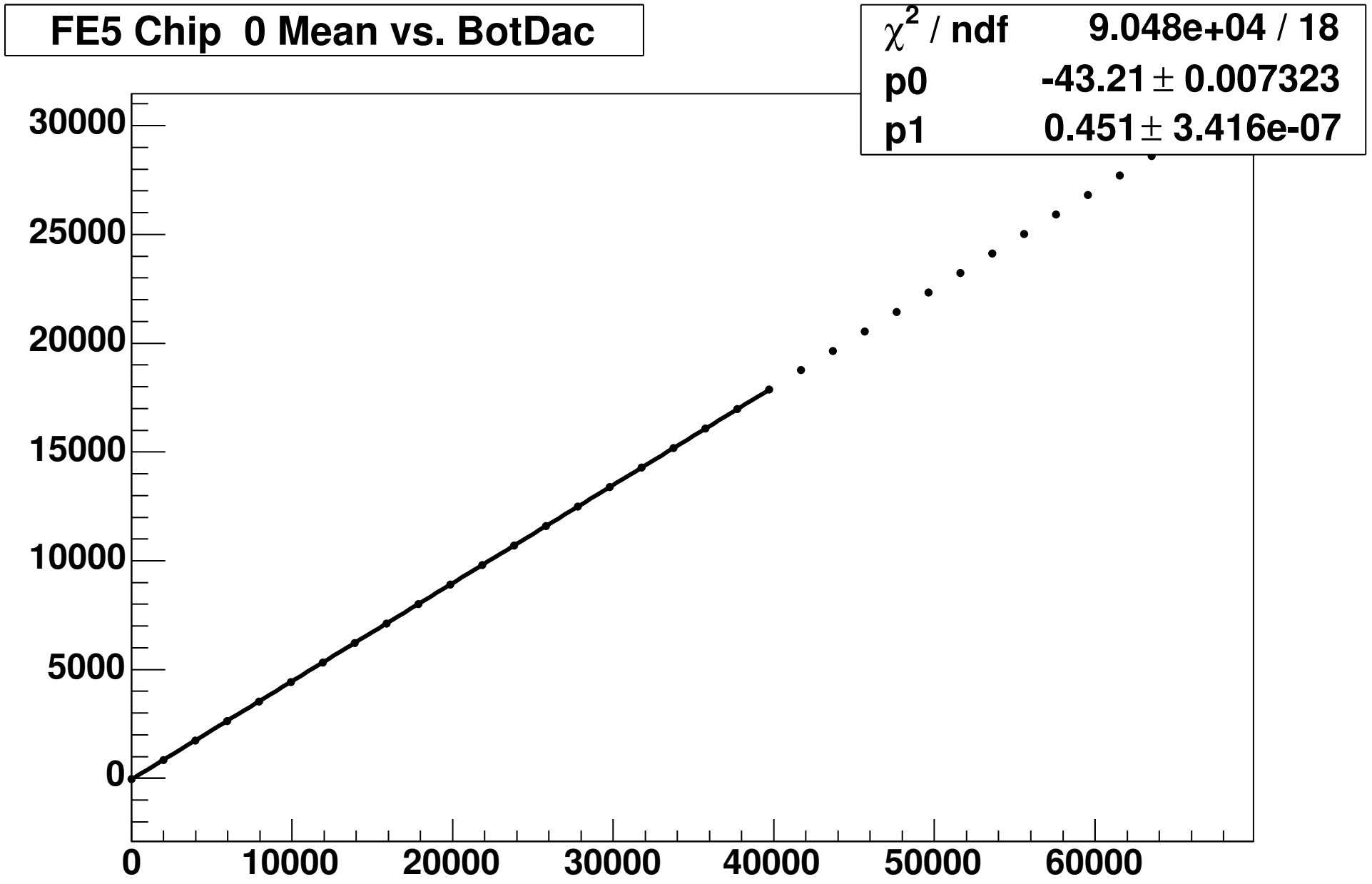
60000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 9.048e+04 / 18
p0 -43.21 ± 0.007323
p1 0.451 ± 3.416e-07
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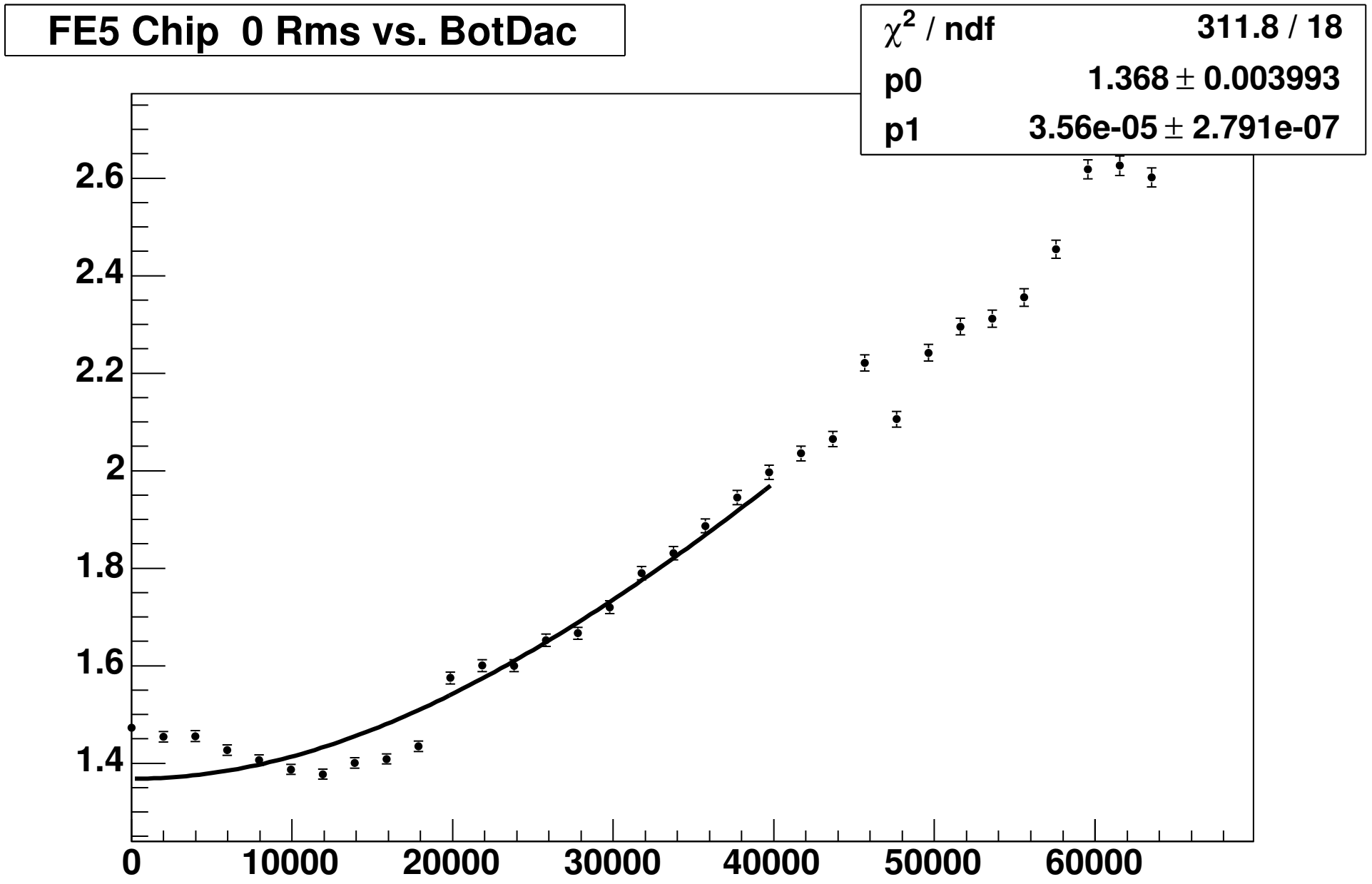
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 311.8 / 18
p0 1.368 ± 0.003993
p1 3.56e-05 ± 2.791e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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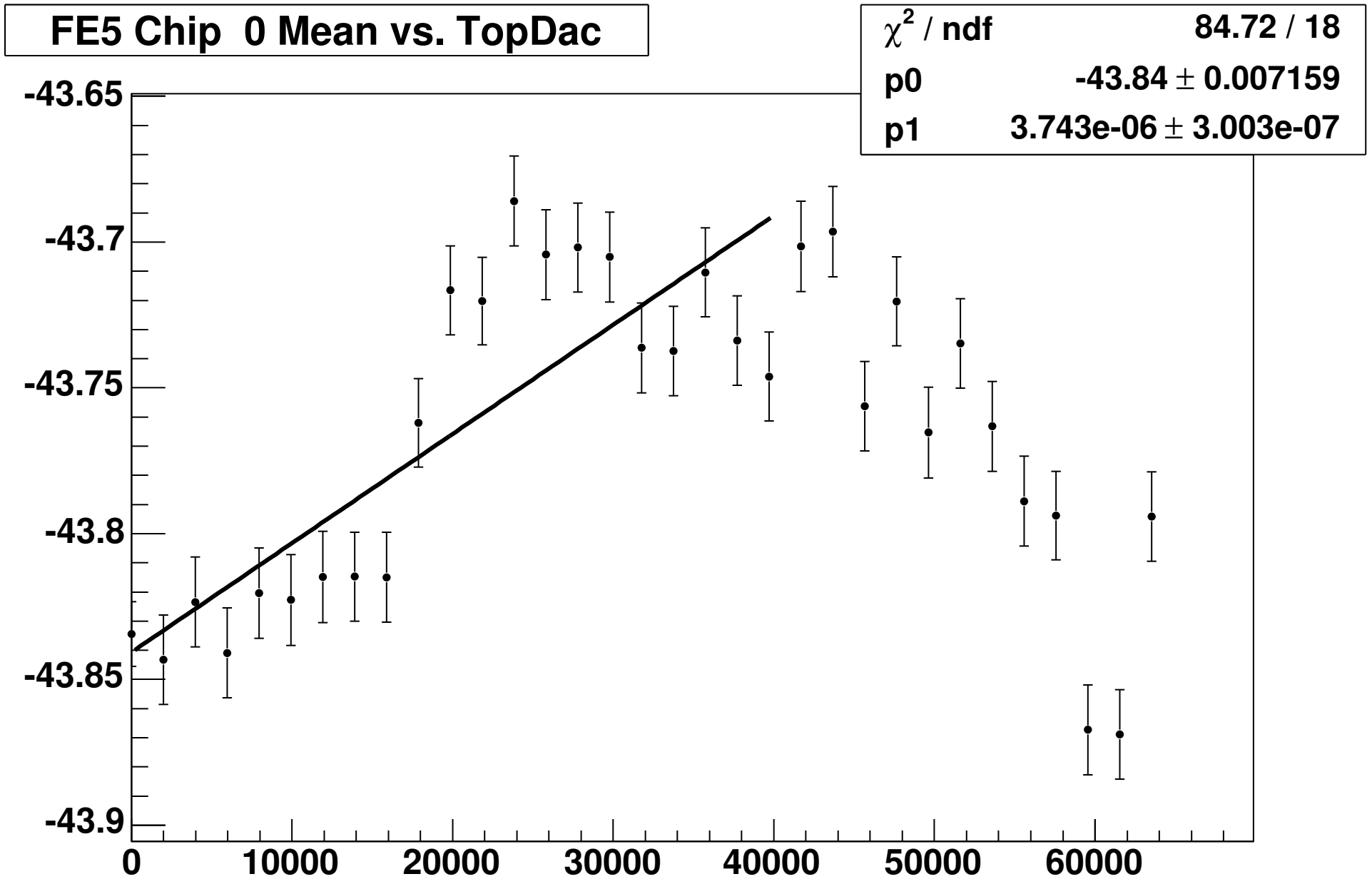
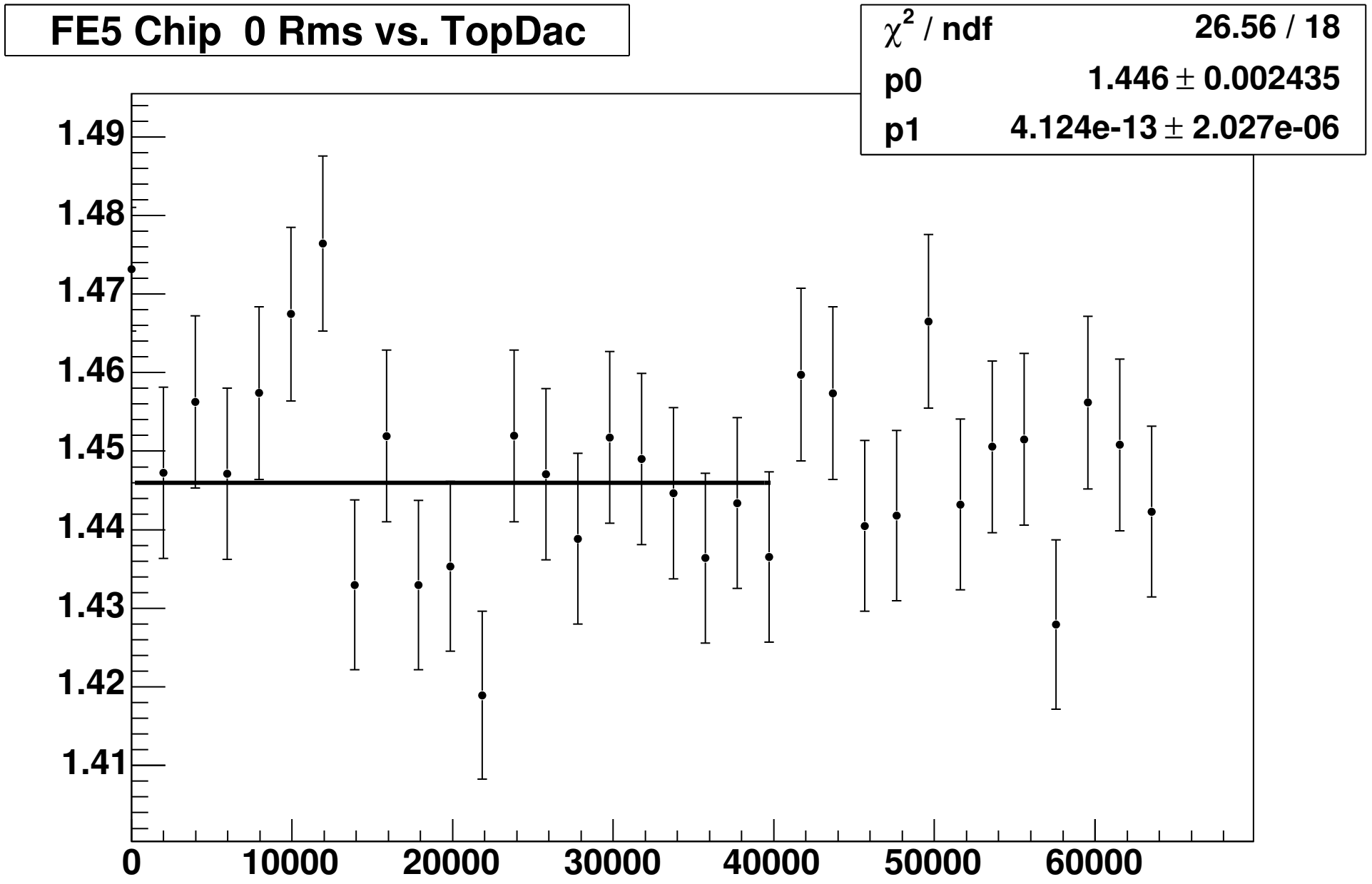
40000
50000
60000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 84.72 / 18
p0 -43.84 ± 0.007159
p1 3.743e-06 ± 3.003e-07
-43.65
-43.7
-43.75
-43.8
-43.85
-43.9
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 26.56 / 18
p0 1.446 ± 0.002435
p1 4.124e-13 ± 2.027e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
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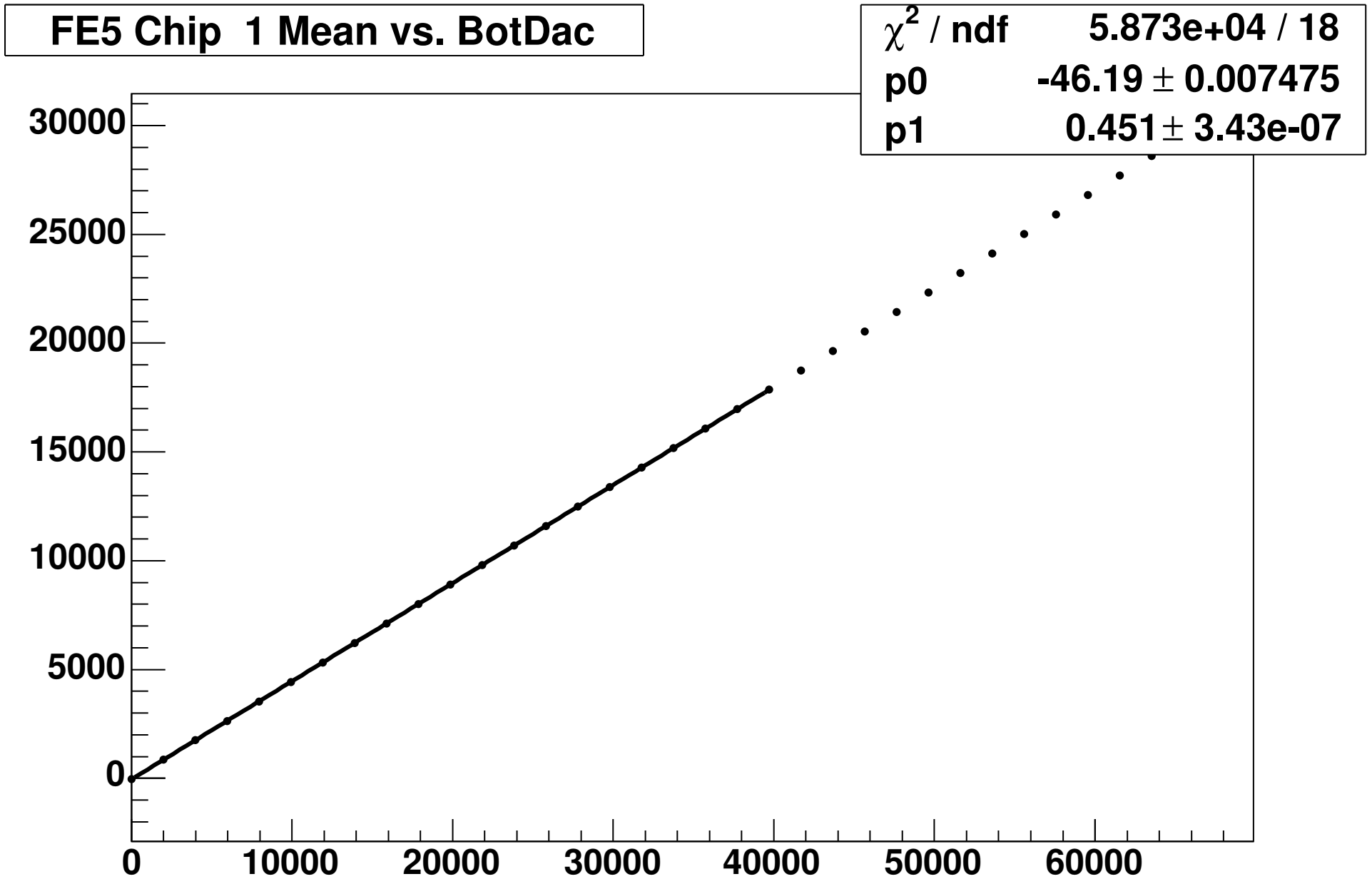
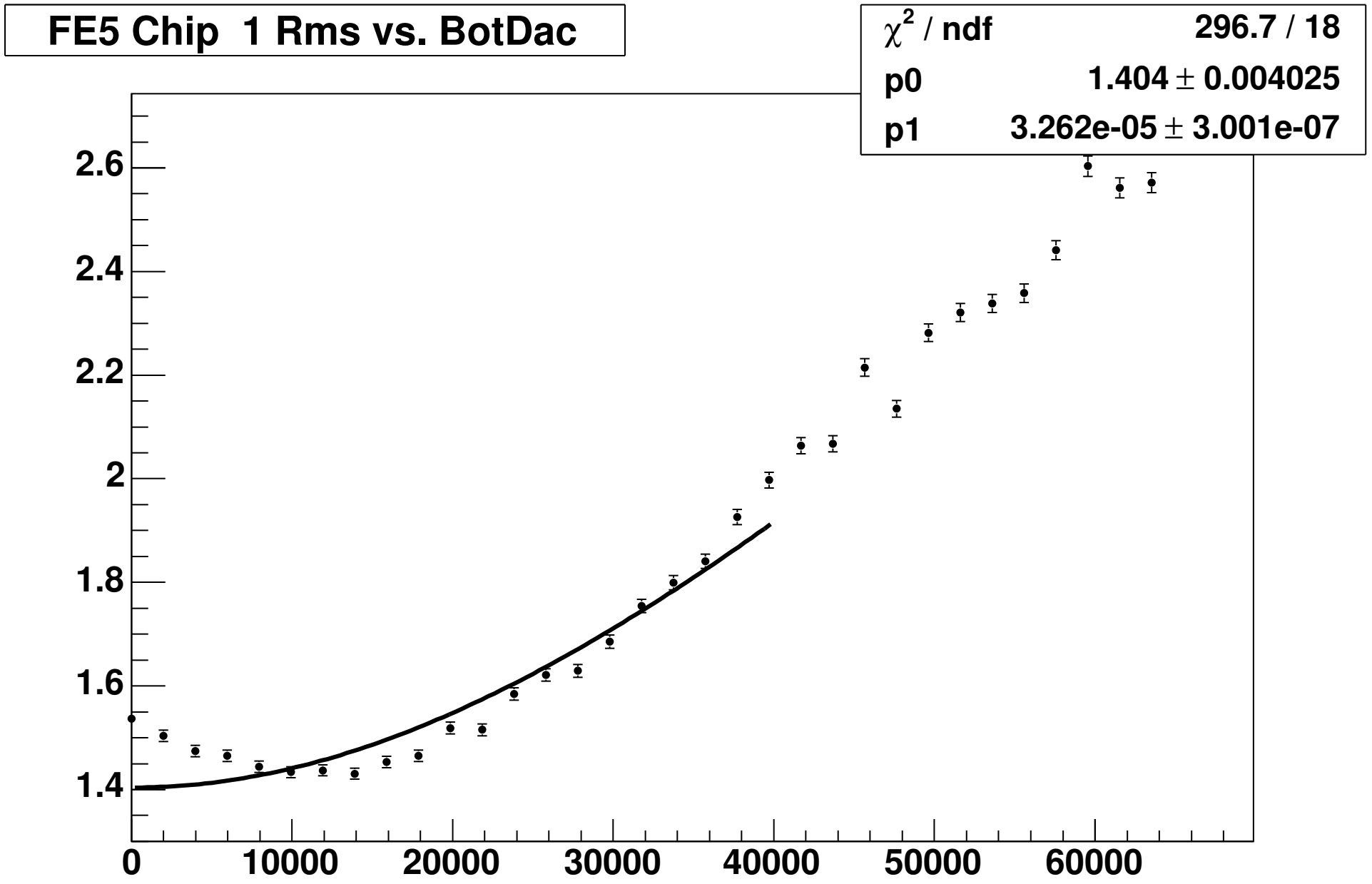
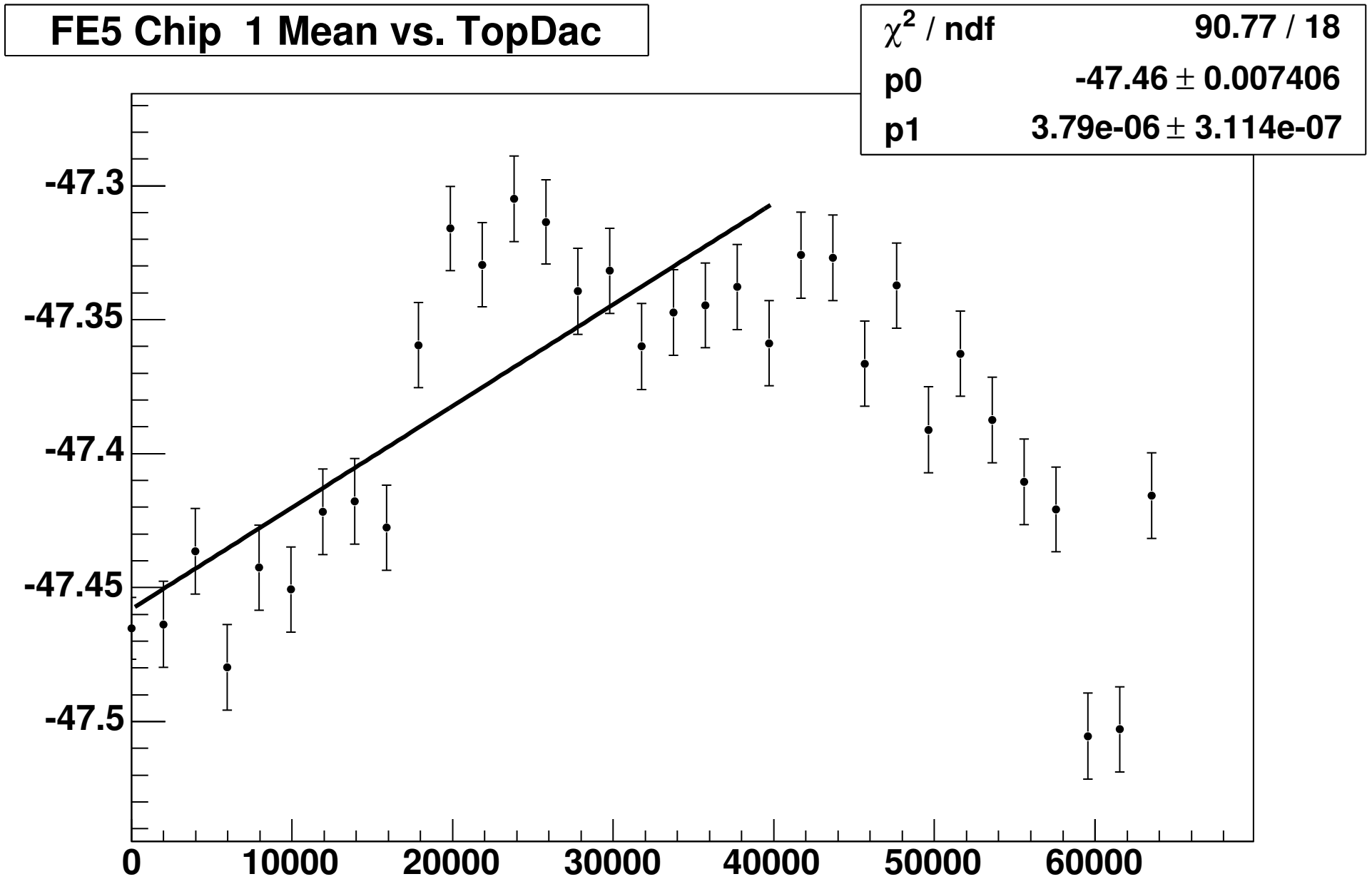
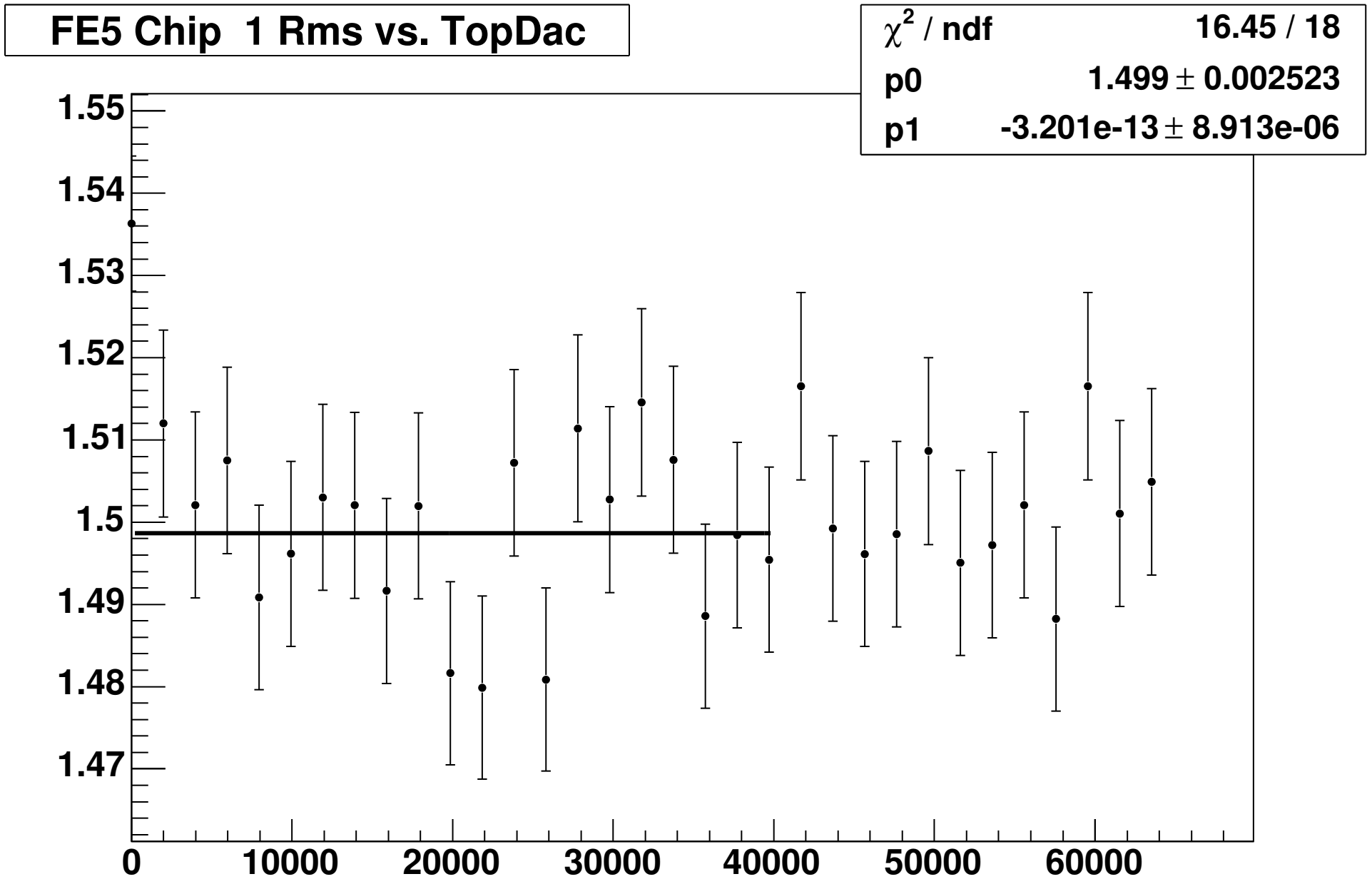
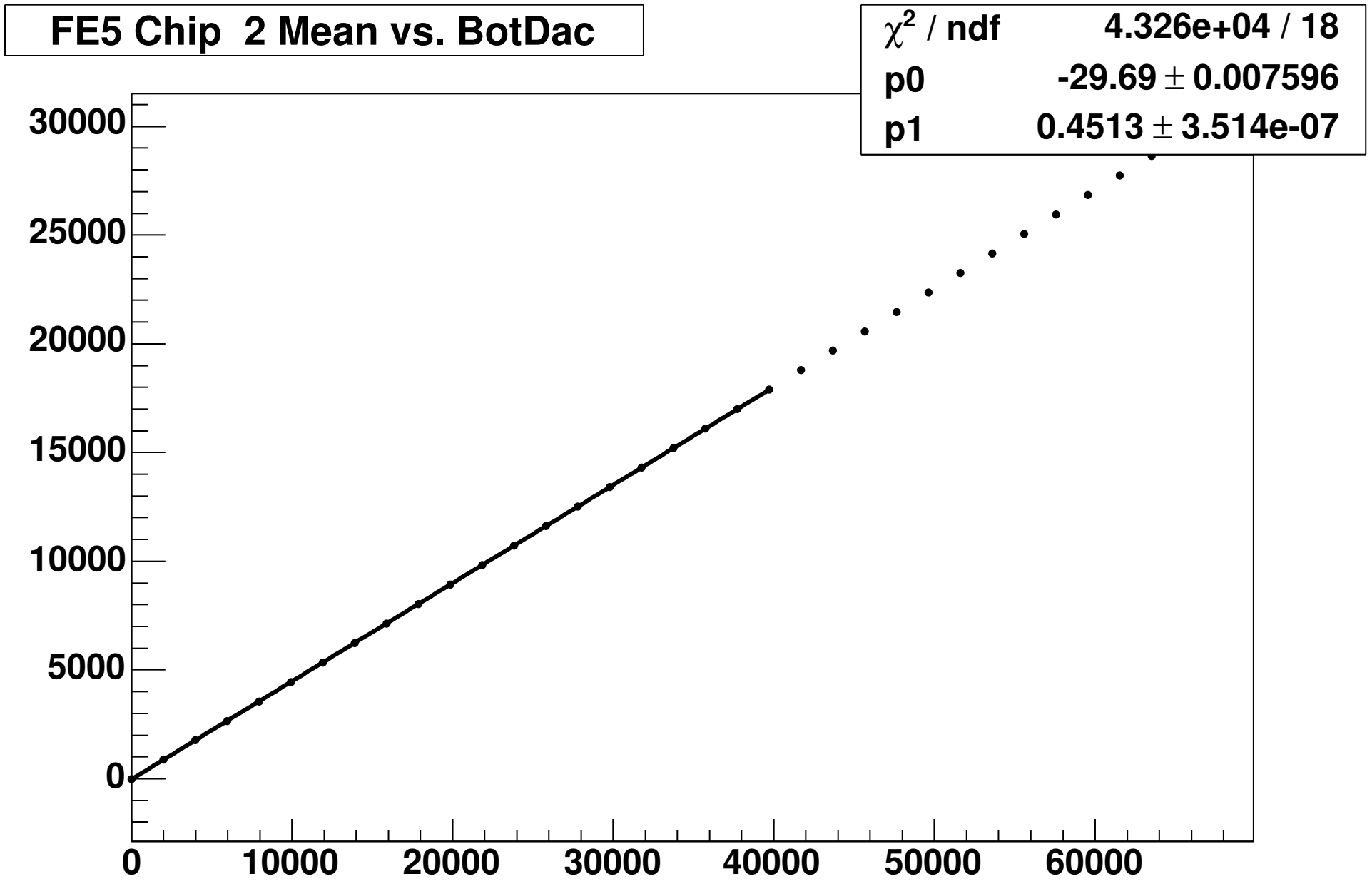

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.873e+04 / 18
p0 -46.19 ± 0.007475
p1 0.451 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 296.7 / 18
p0 1.404 ± 0.004025
p1 3.262e-05 ± 3.001e-07
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
χ² / ndf 90.77 / 18
p0 -47.46 ± 0.007406
p1 3.79e-06 ± 3.114e-07
-47.3
-47.35
-47.4
-47.45
-47.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. TopDac
χ^2 / ndf 16.45 / 18
p0 1.499 ± 0.002523
p1 -3.201e-13 ± 8.913e-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


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 4.326e+04 / 18
p0 -29.69 ± 0.007596
p1 0.4513 ± 3.514e-07
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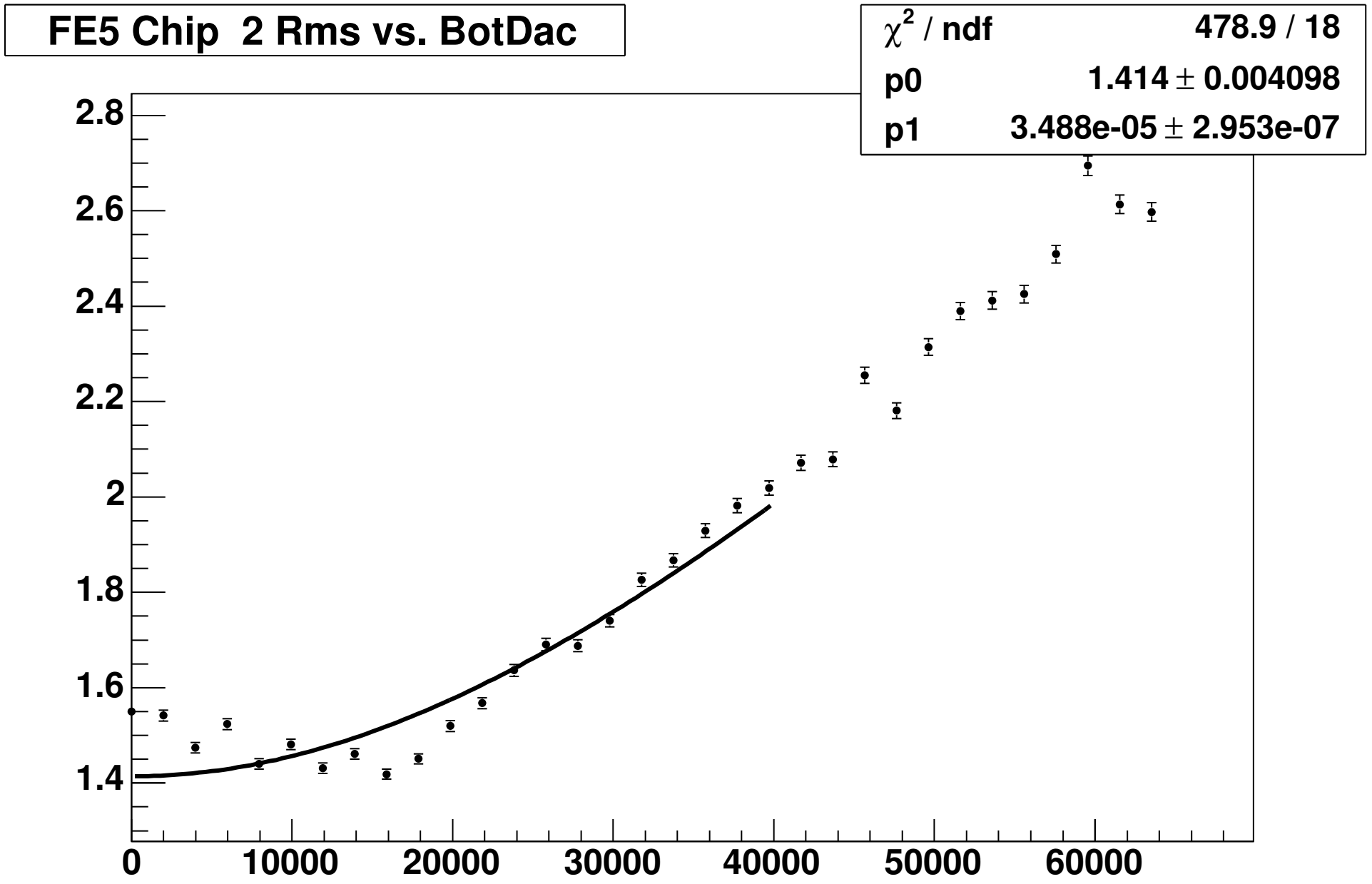
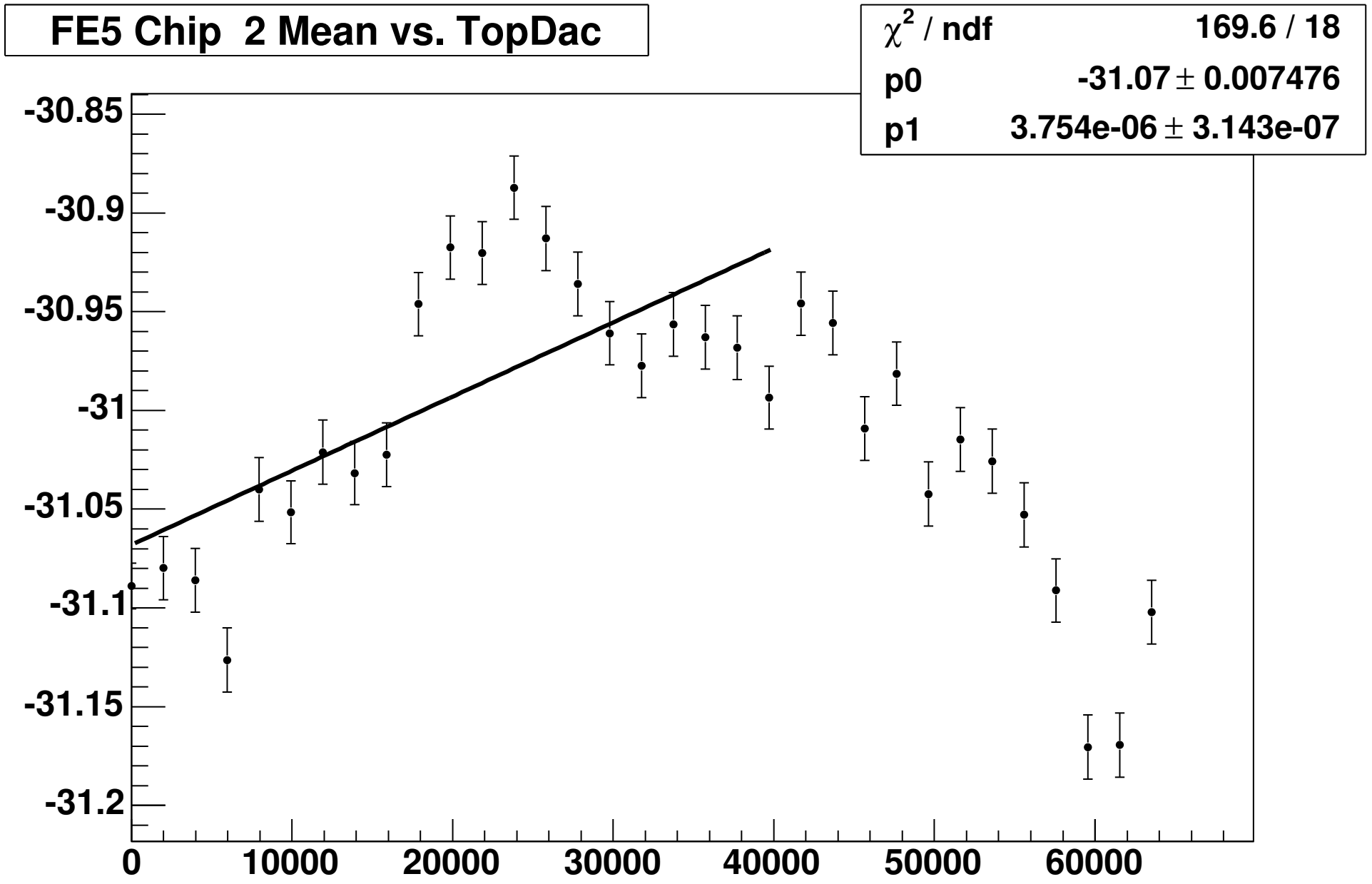
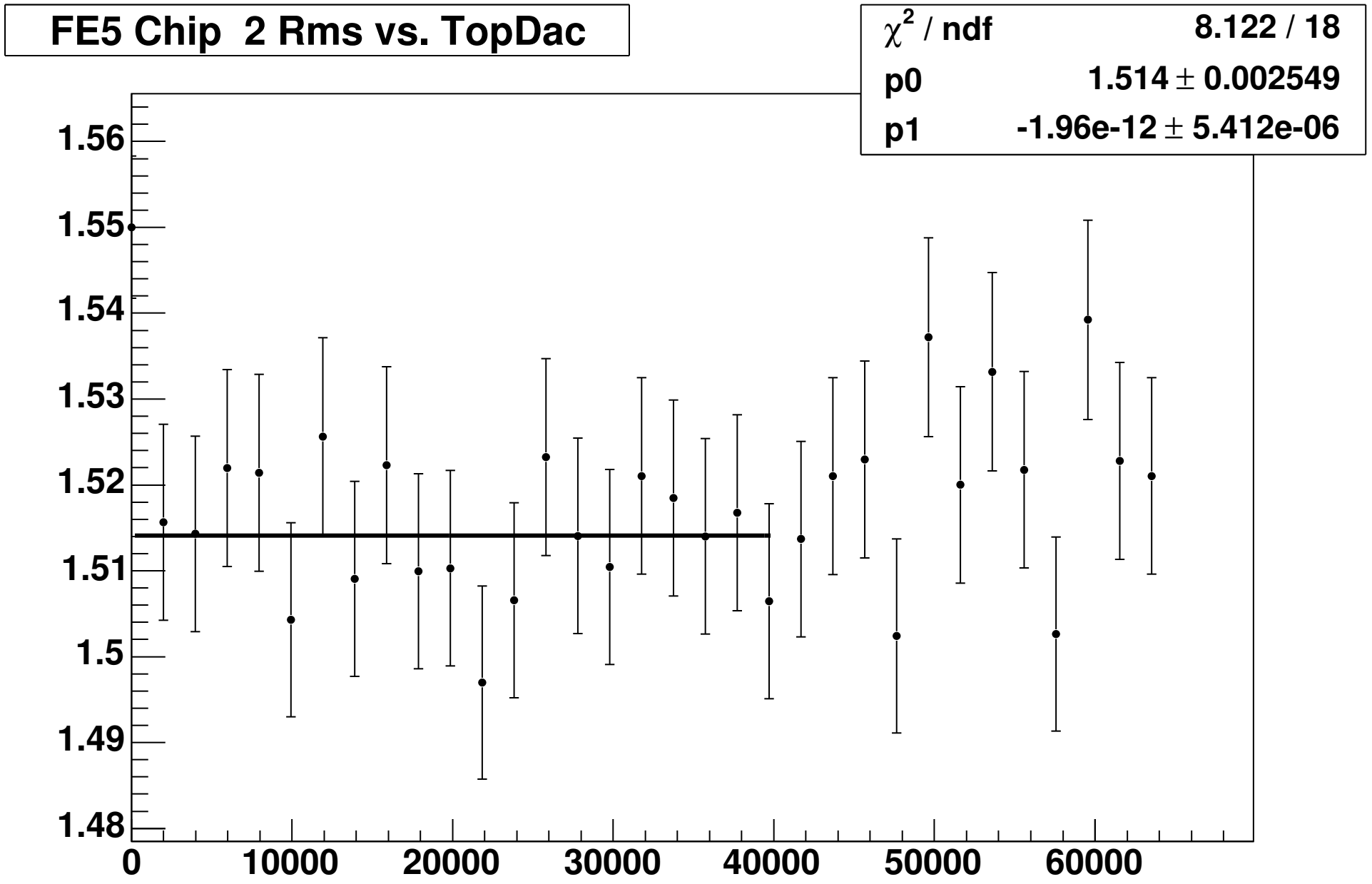
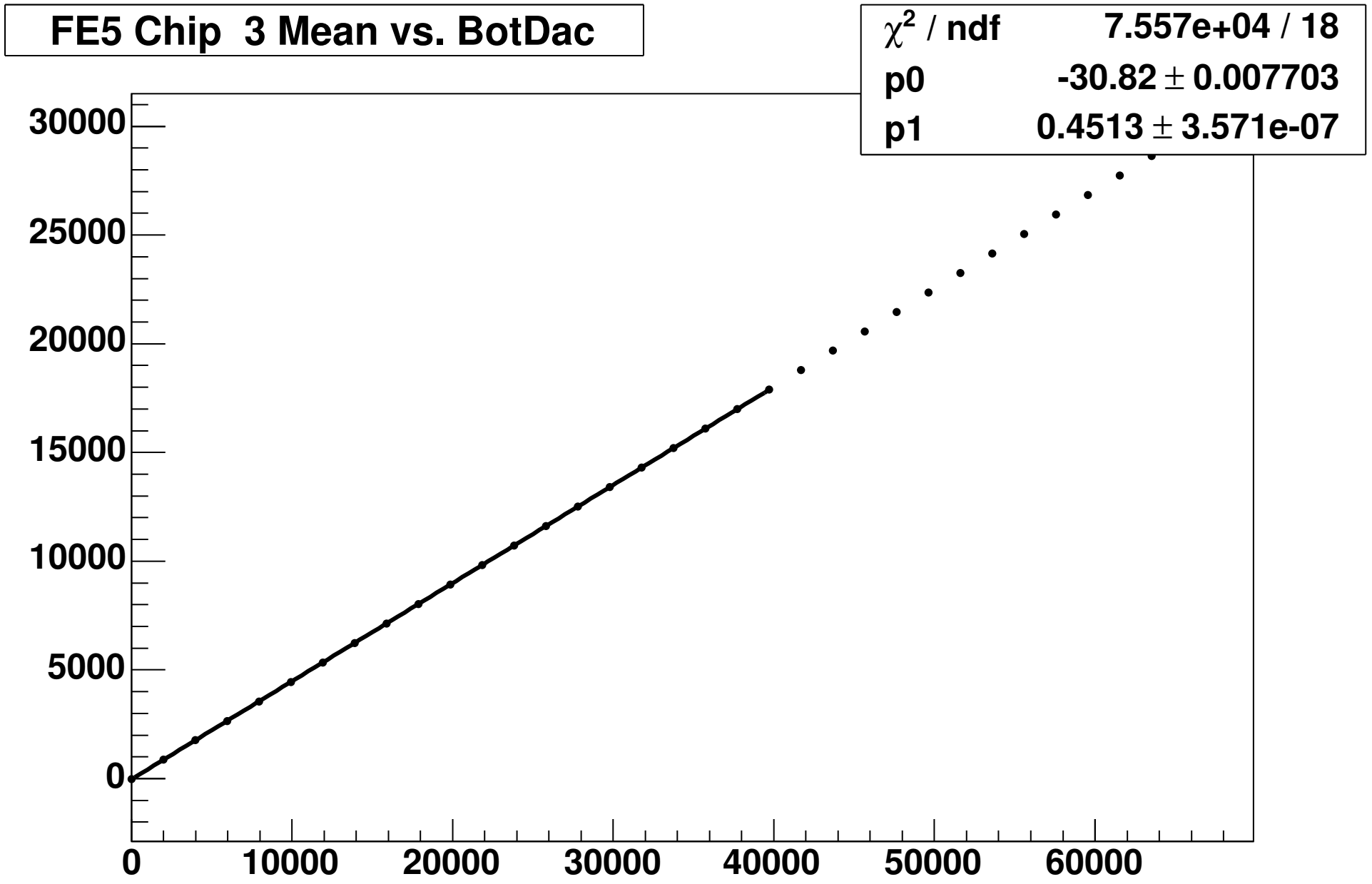
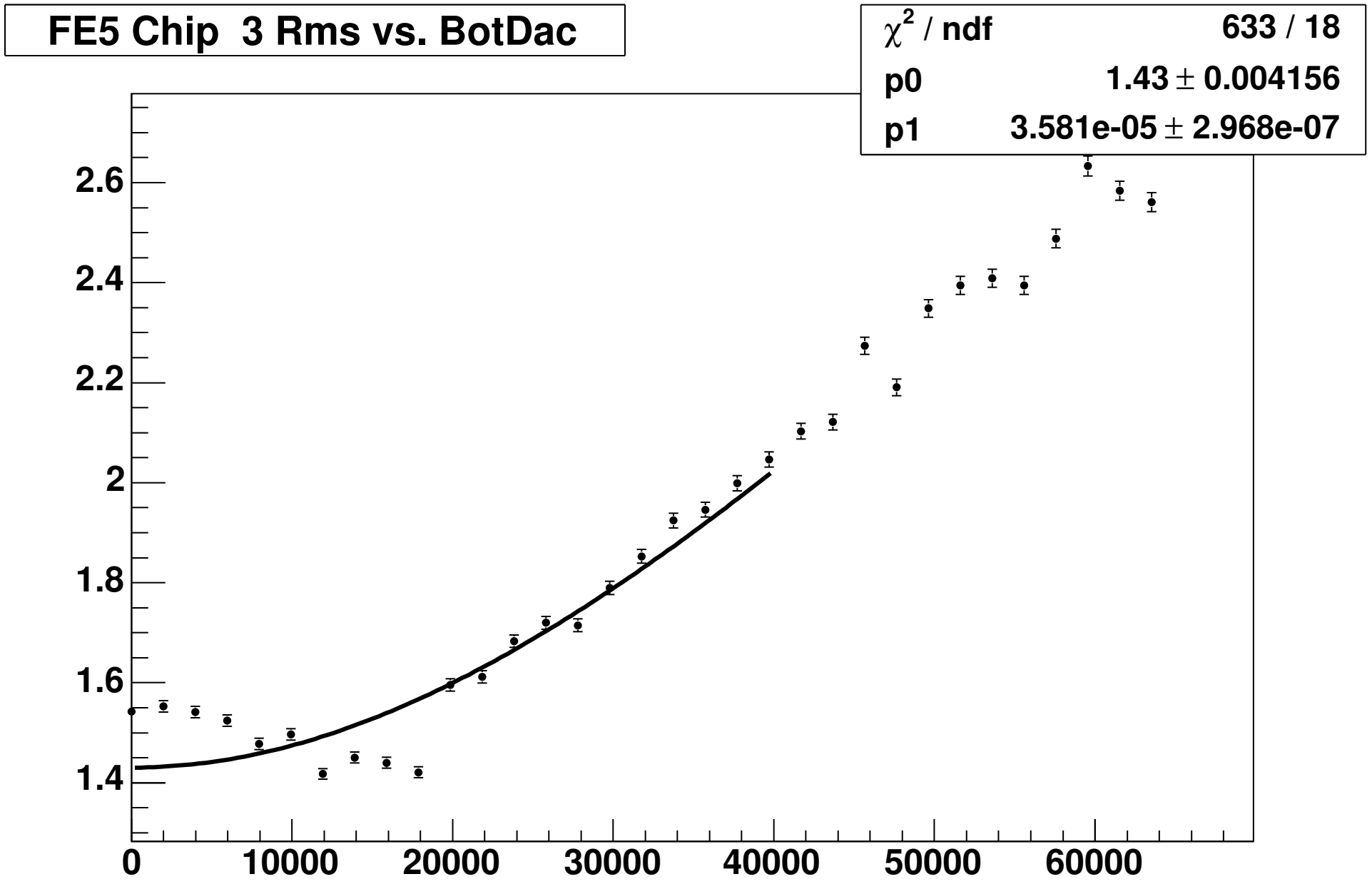
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

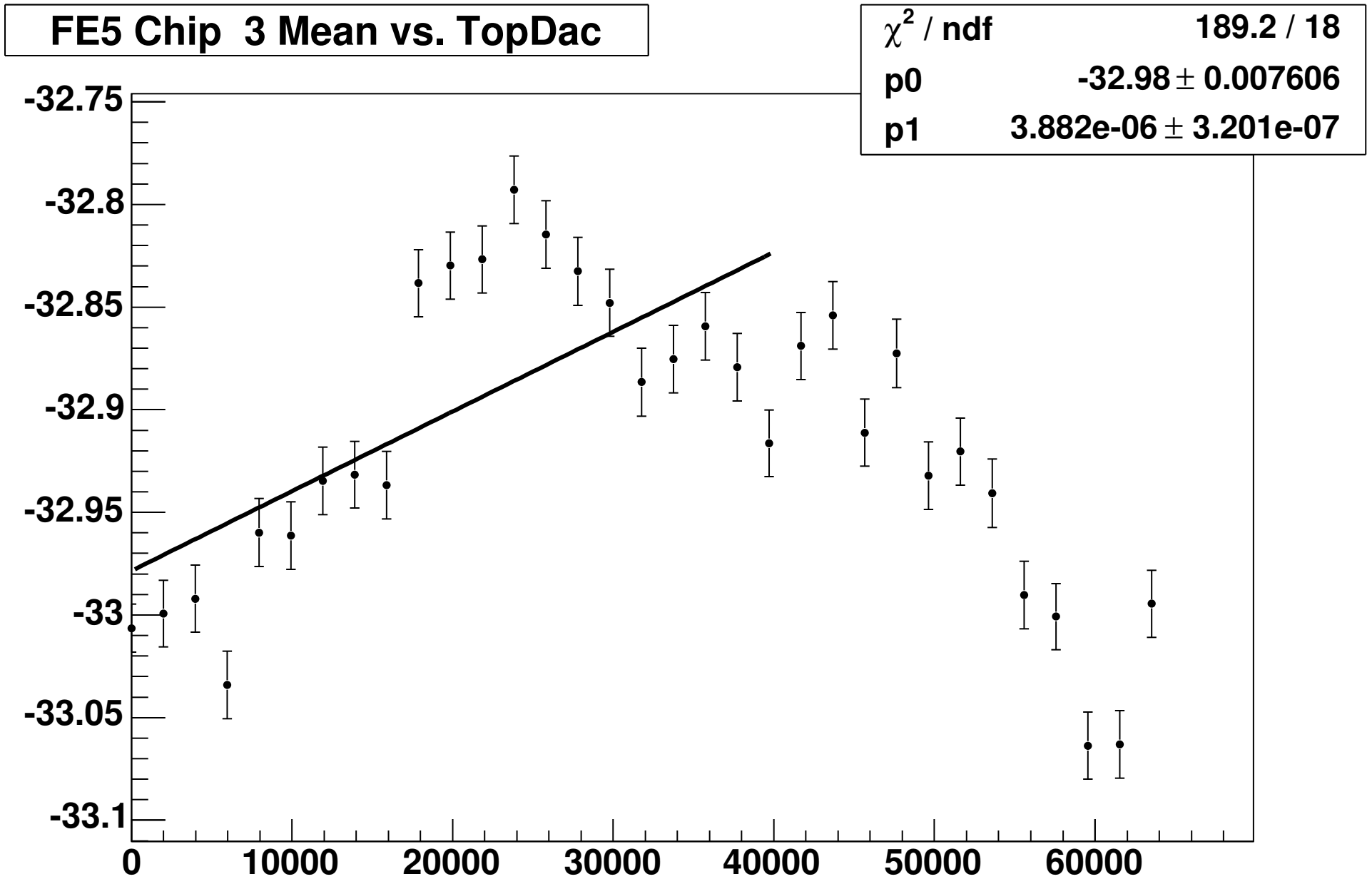

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 478.9 / 18
p0 1.414 ± 0.004098
p1 3.488e-05 ± 2.953e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

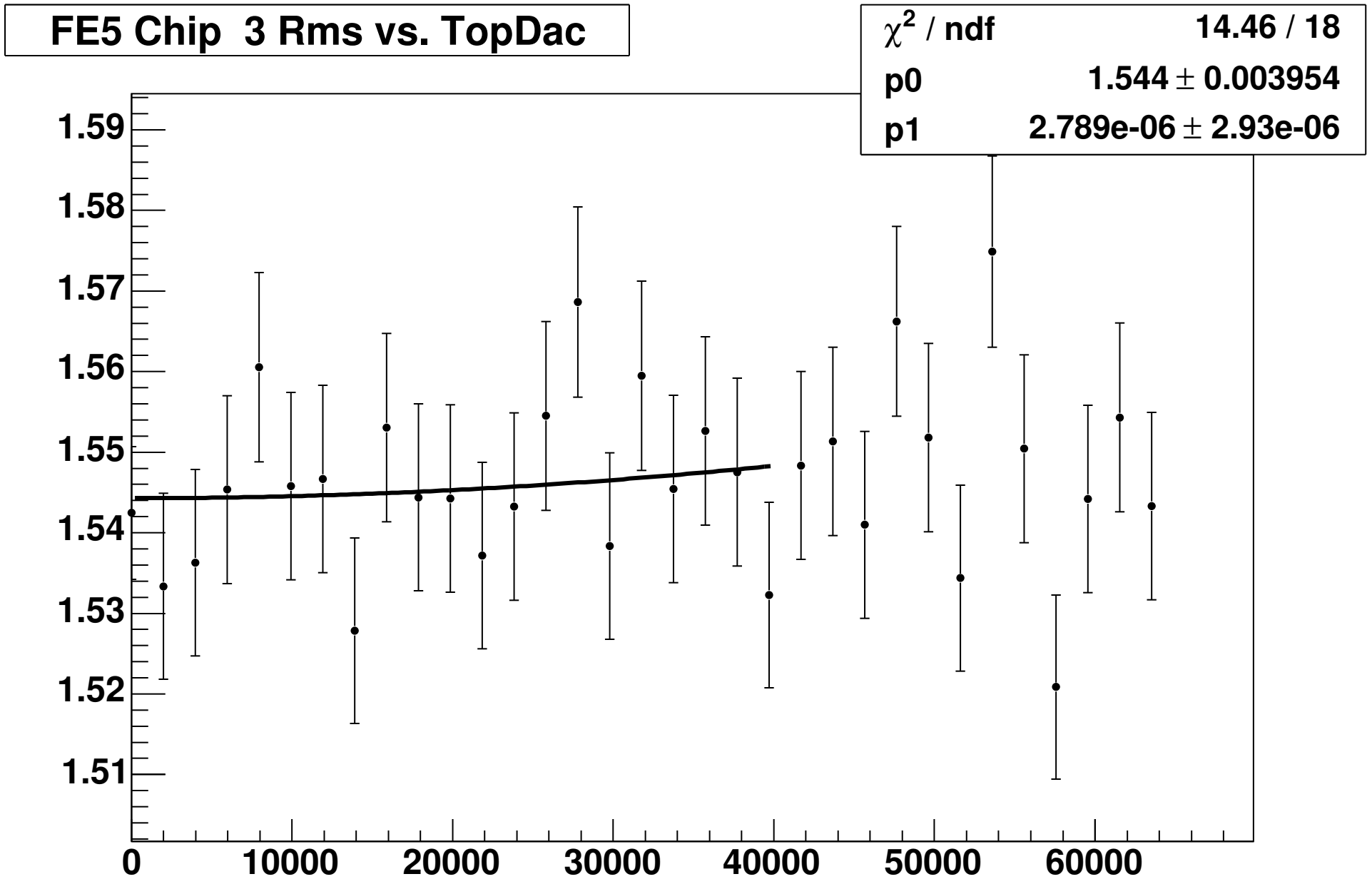

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 169.6 / 18
p0 -31.07 ± 0.007476
p1 3.754e-06 ± 3.143e-07
-30.85
-30.9
-30.95
-31
-31.05
-31.1
-31.15
-31.2
0
10000
20000
30000
40000
50000
60000

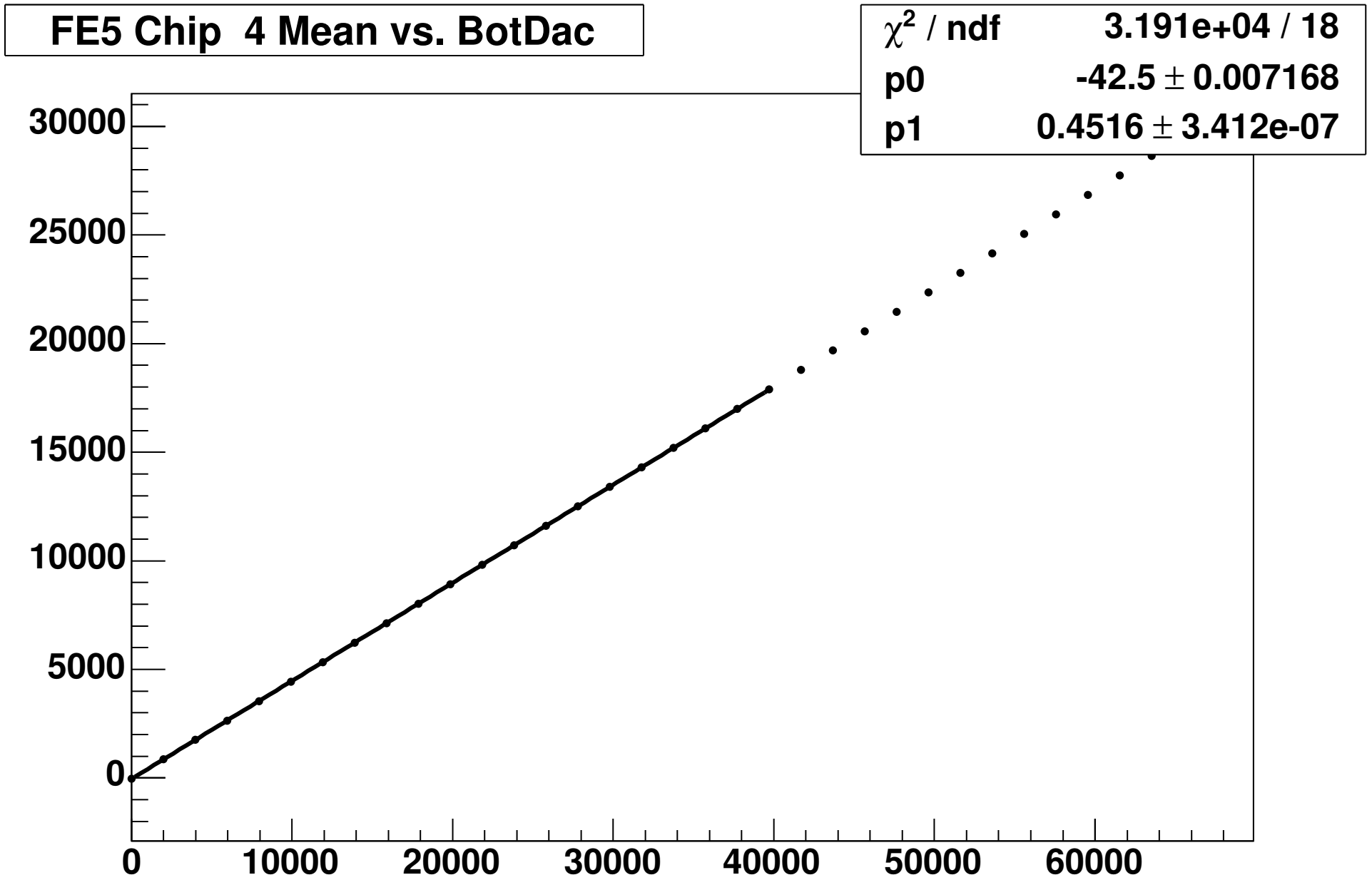

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 8.122 / 18
p0 1.514 ± 0.002549
p1 -1.96e-12 ± 5.412e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

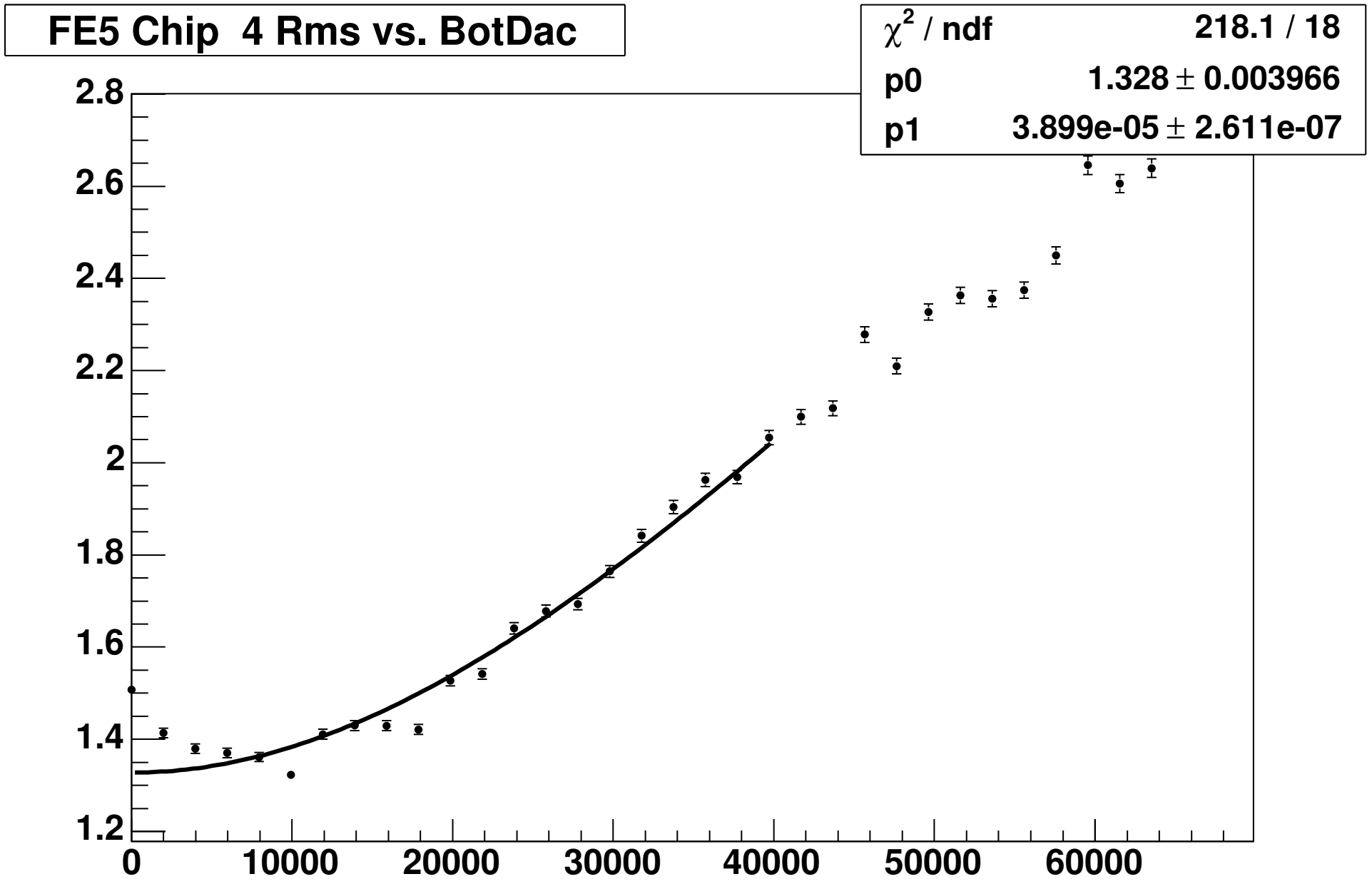

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 7.557e+04 / 18
p0 -30.82 ± 0.007703
p1 0.4513 ± 3.571e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

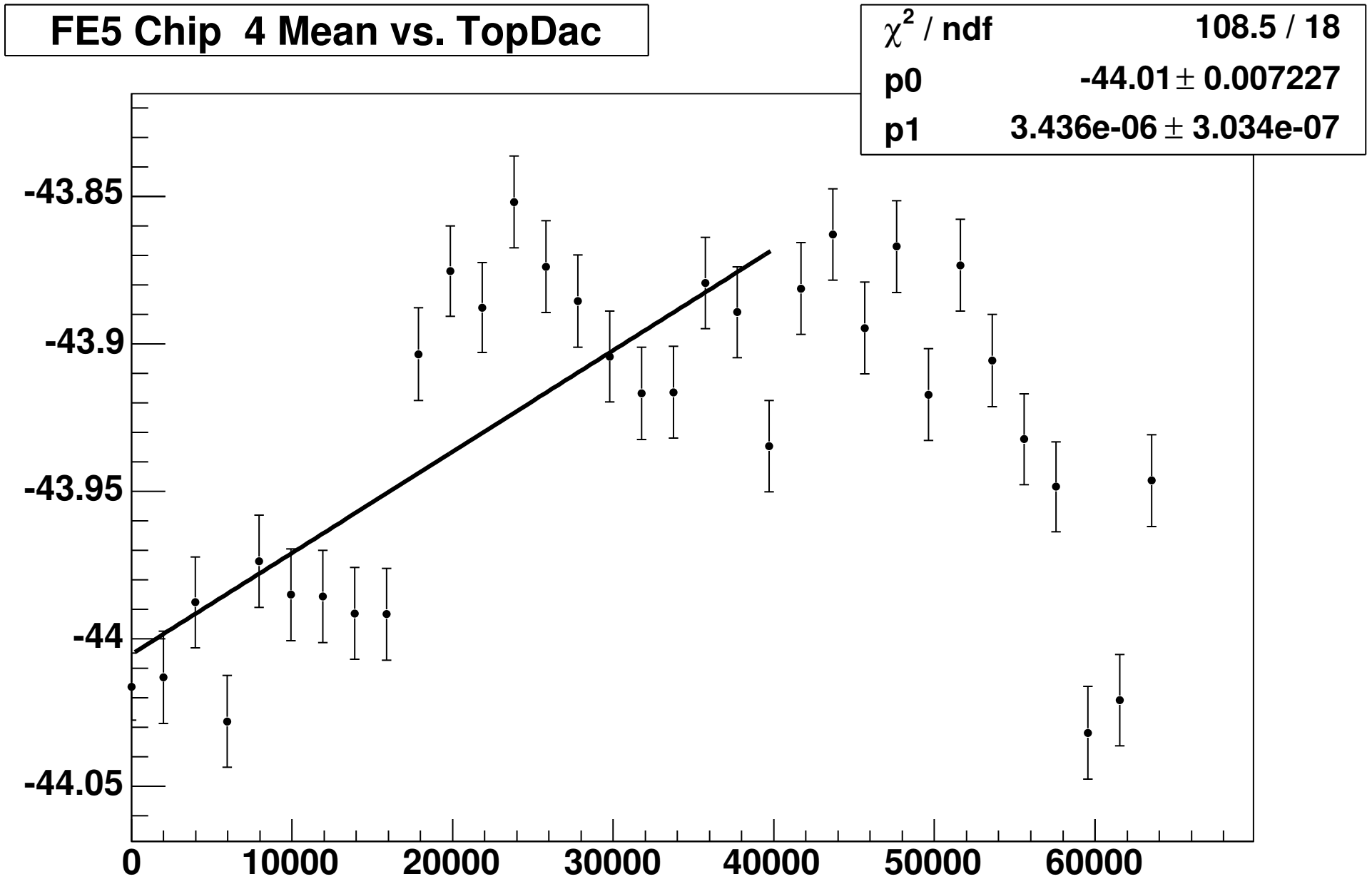

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 633 / 18
p0 1.43 ± 0.004156
p1 3.581e-05 ± 2.968e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

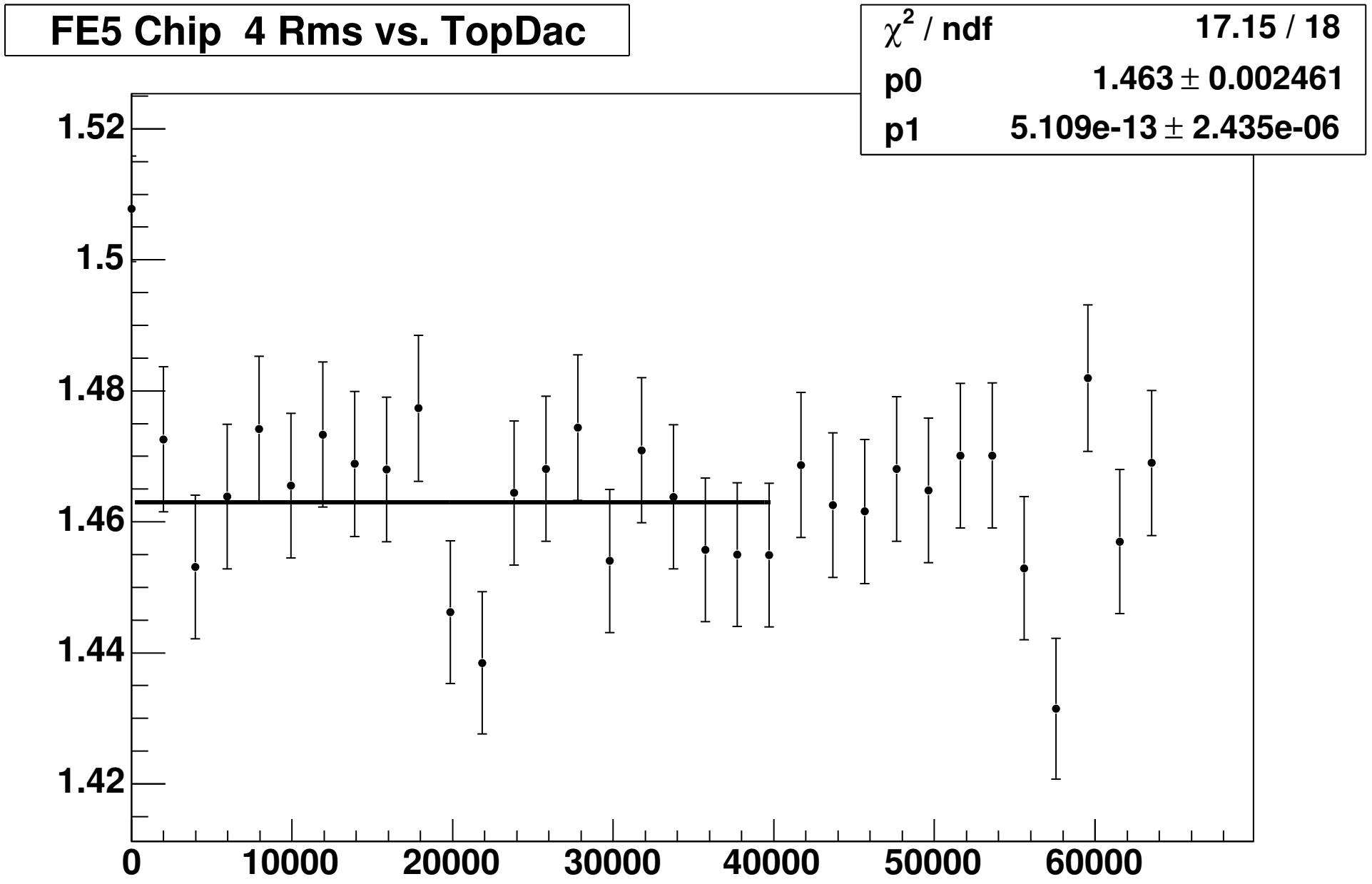

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 189.2 / 18
p0 -32.98 ± 0.007606
p1 3.882e-06 ± 3.201e-07
-32.75
-32.8
-32.85
-32.9
-32.95
-33
-33.05
-33.1
0
10000
20000
30000
40000
50000
60000

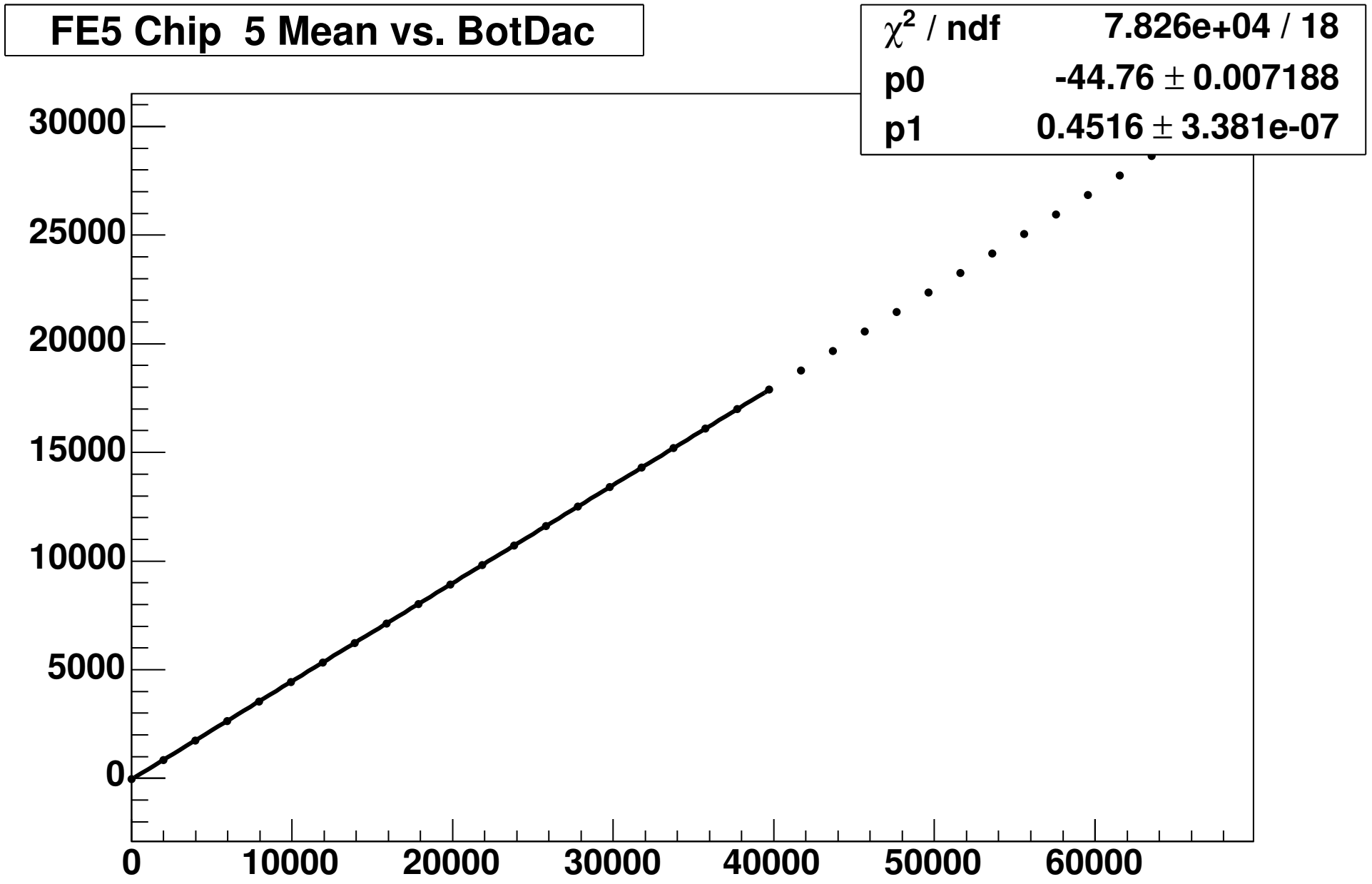

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 14.46 / 18
p0 1.544 ± 0.003954
p1 2.789e-06 ± 2.93e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 3.191e+04 / 18
p0 -42.5 ± 0.007168
p1 0.4516 ± 3.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 218.1 / 18
p0 1.328 ± 0.003966
p1 3.899e-05 ± 2.611e-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 4 Mean vs. TopDac
χ² / ndf 108.5 / 18
p0 -44.01 ± 0.007227
p1 3.436e-06 ± 3.034e-07
-43.85
-43.9
-43.95
-44
-44.05
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 17.15 / 18
p0 1.463 ± 0.002461
p1 5.109e-13 ± 2.435e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 7.826e+04 / 18
p0 -44.76 ± 0.007188
p1 0.4516 ± 3.381e-07
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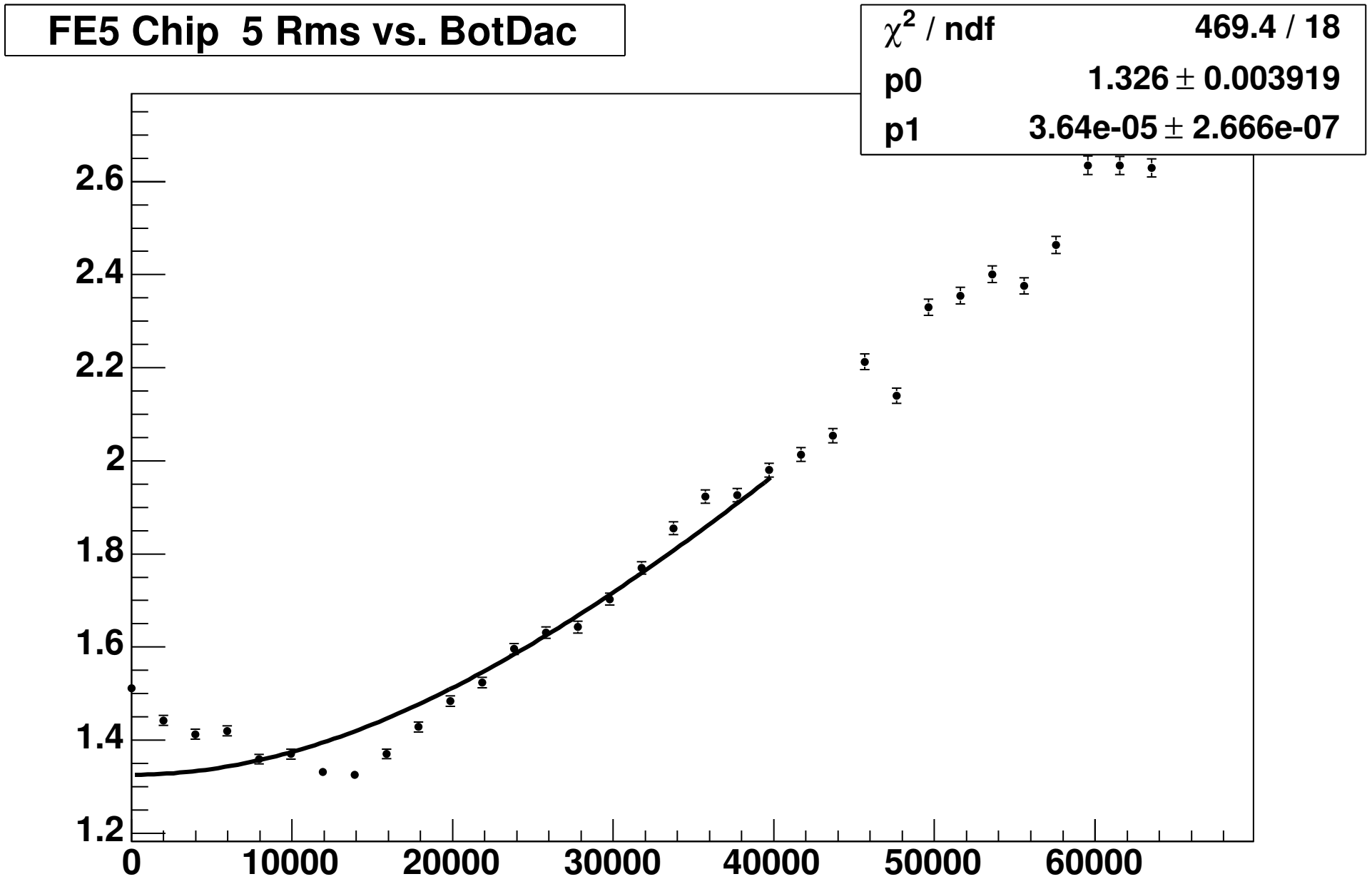
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 469.4 / 18
p0 1.326 ± 0.003919
p1 3.64e-05 ± 2.666e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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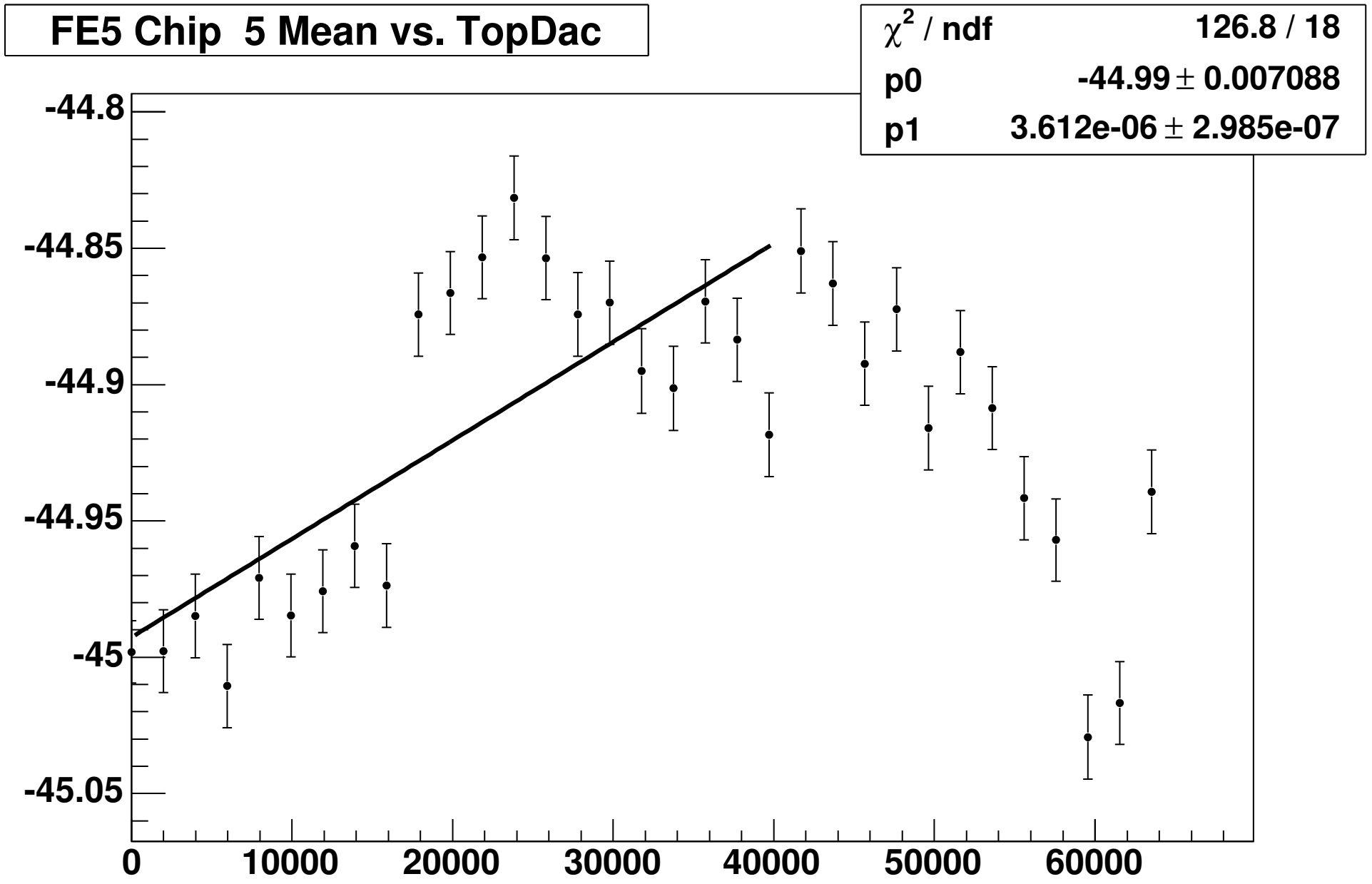
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 126.8 / 18
p0 -44.99 ± 0.007088
p1 3.612e-06 ± 2.985e-07
-44.8
-44.85
-44.9
-44.95
-45
-45.05
0
10000
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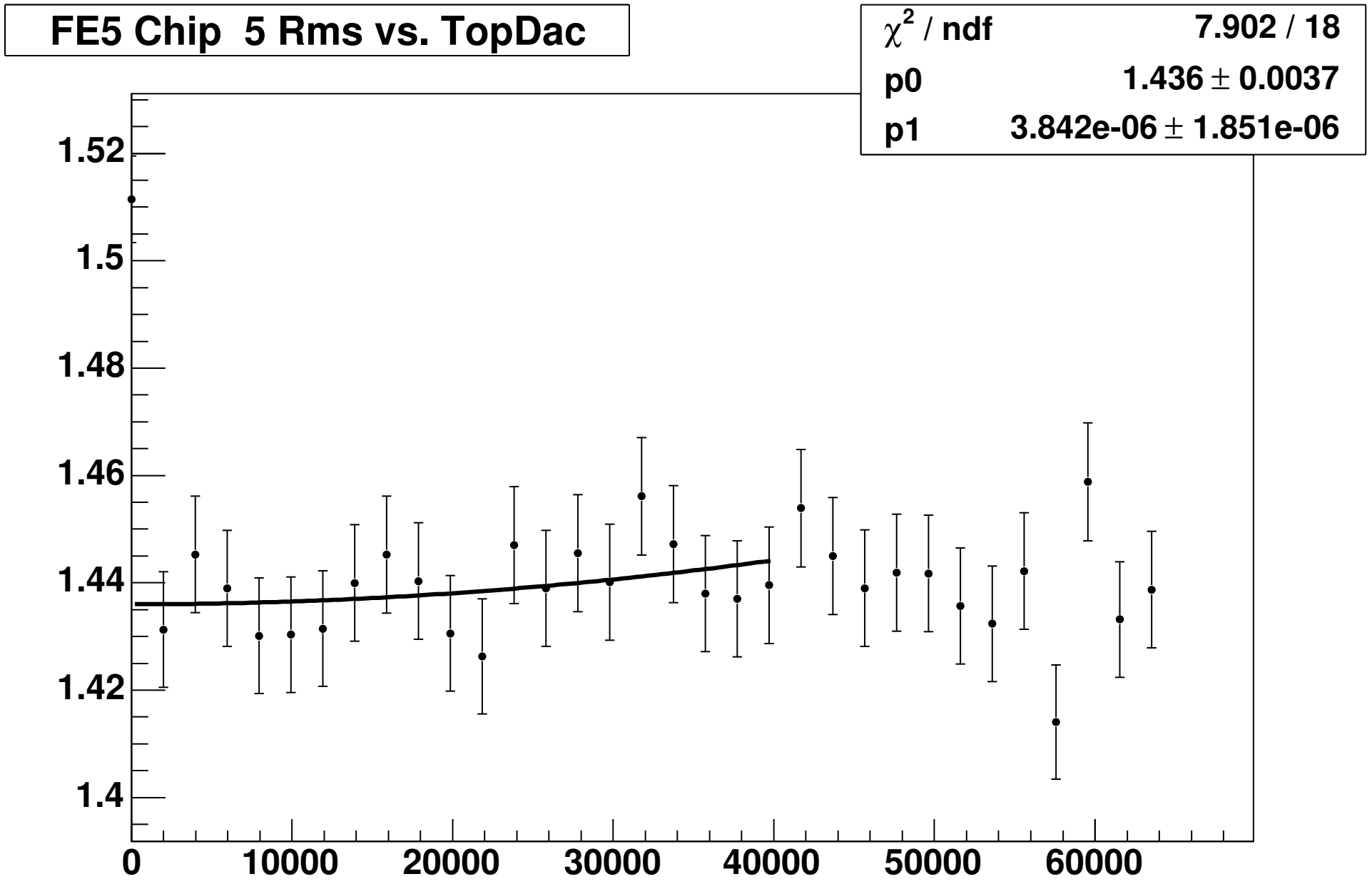
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 7.902 / 18
p0 1.436 ± 0.0037
p1 3.842e-06 ± 1.851e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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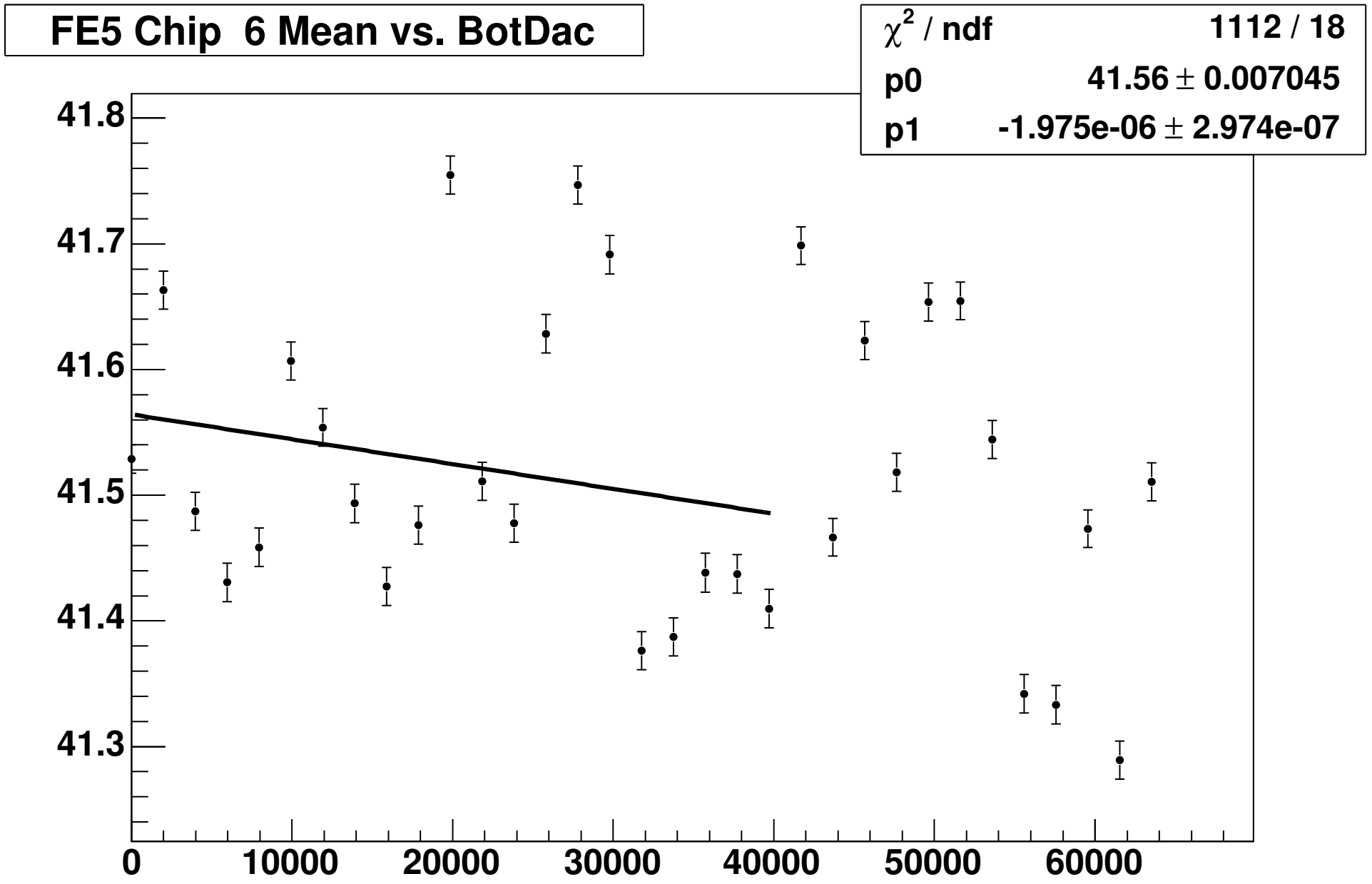
30000
40000
50000
60000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1112 / 18
p0 41.56 ± 0.007045
p1 -1.975e-06 ± 2.974e-07
41.8
41.7
41.6
41.5
41.4
41.3
0
10000
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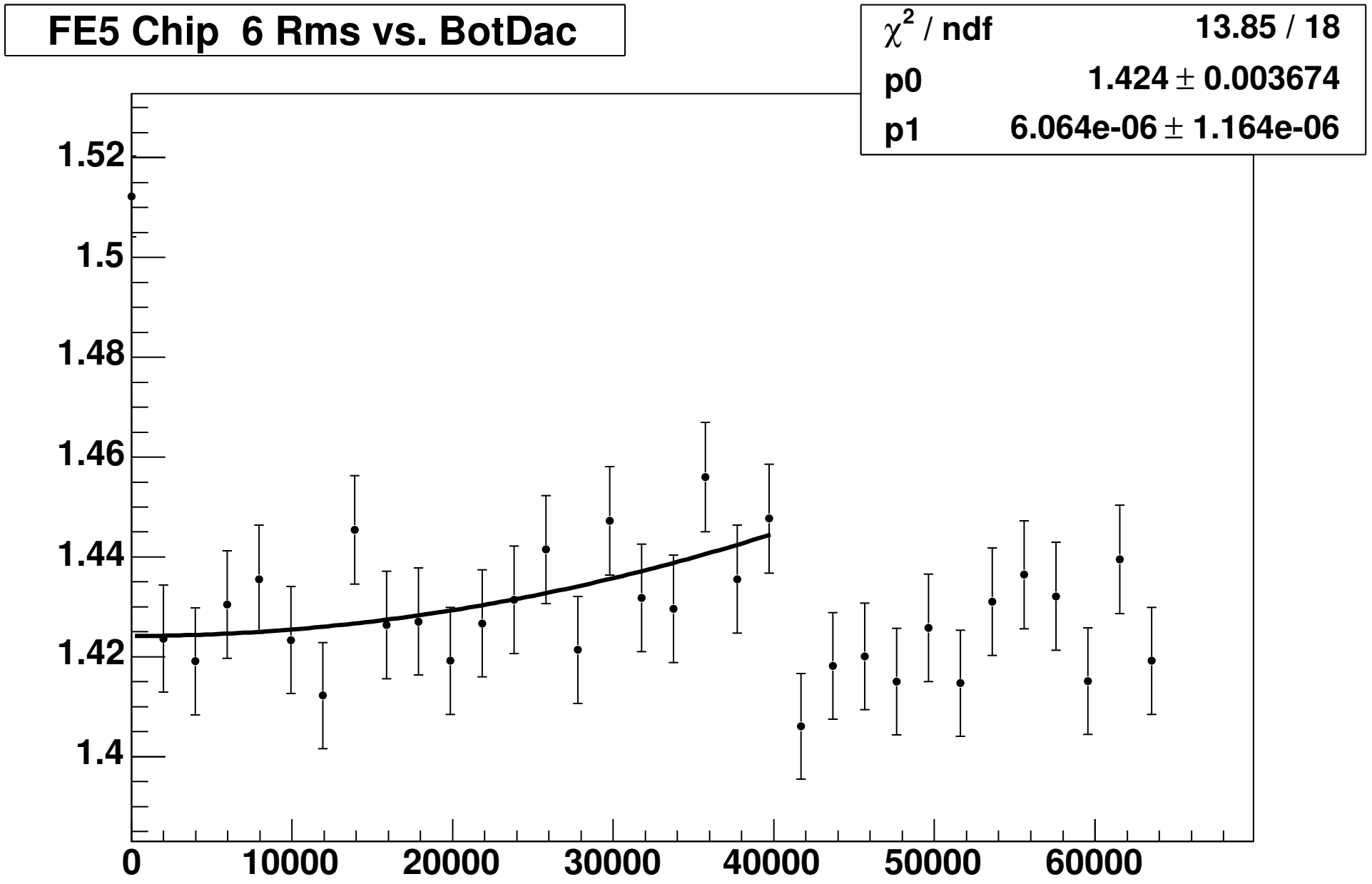
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 13.85 / 18
p0 1.424 ± 0.003674
p1 6.064e-06 ± 1.164e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
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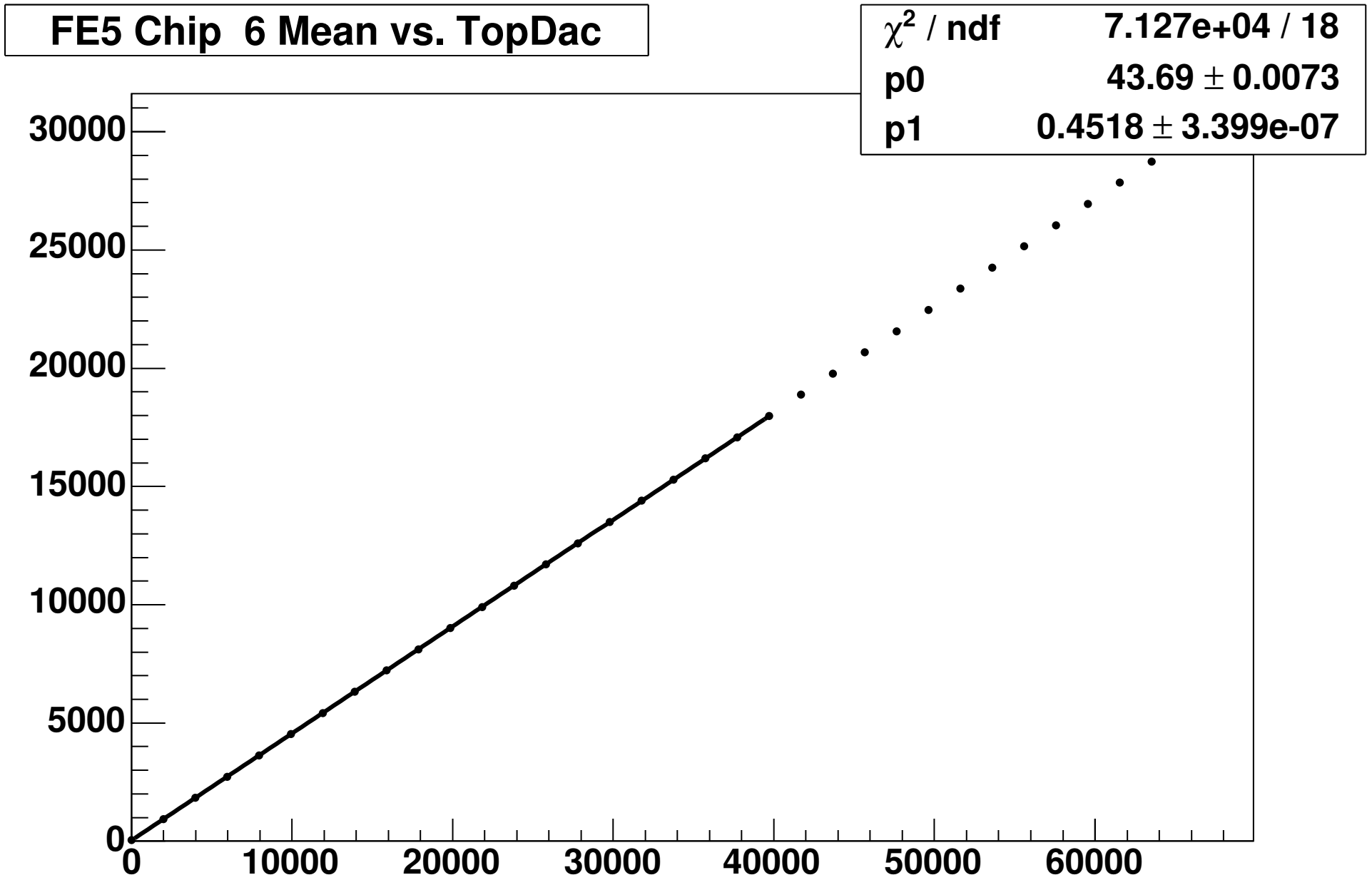
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.127e+04 / 18
p0 43.69 ± 0.0073
p1 0.4518 ± 3.399e-07
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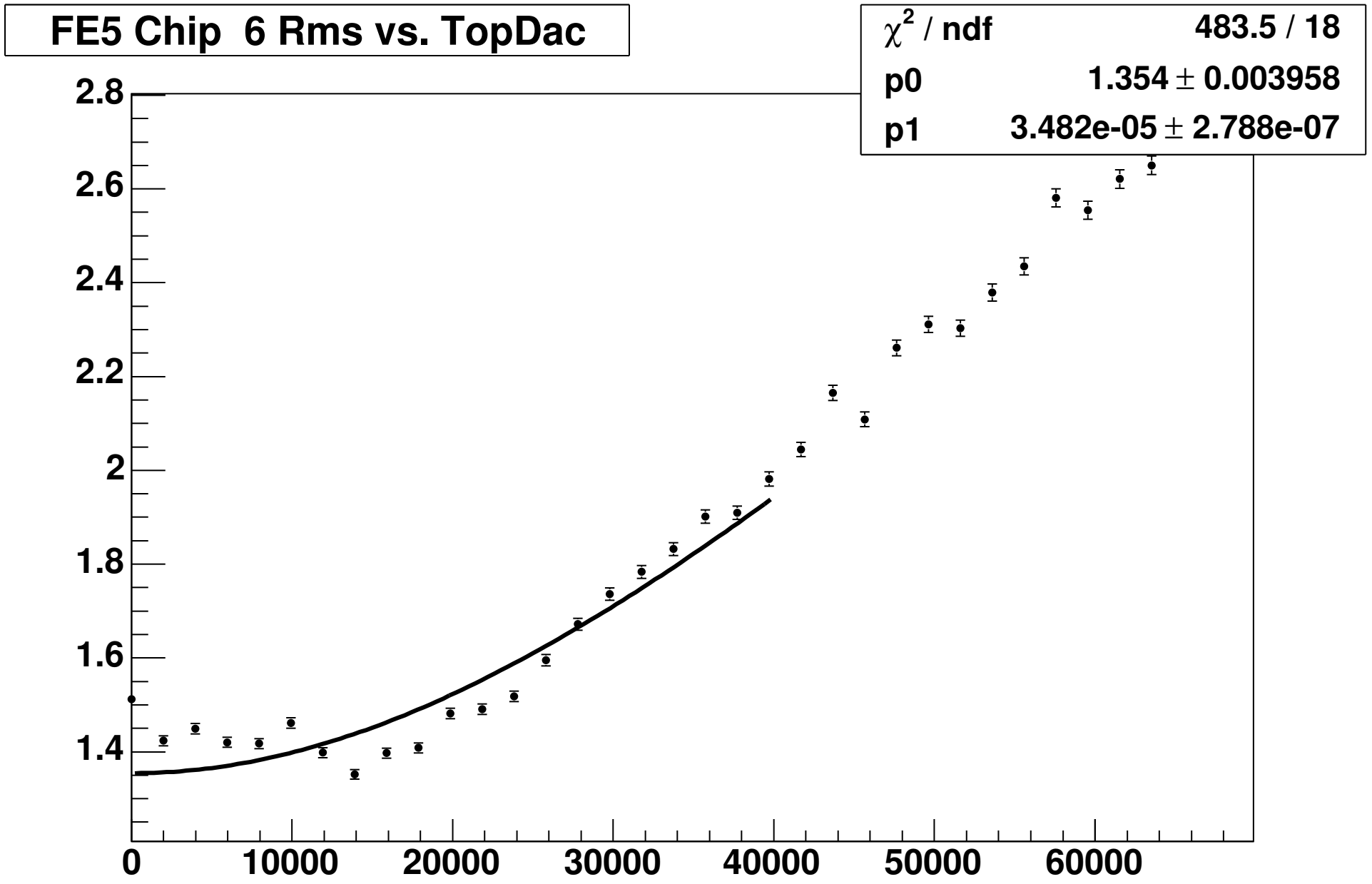
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 483.5 / 18
p0 1.354 ± 0.003958
p1 3.482e-05 ± 2.788e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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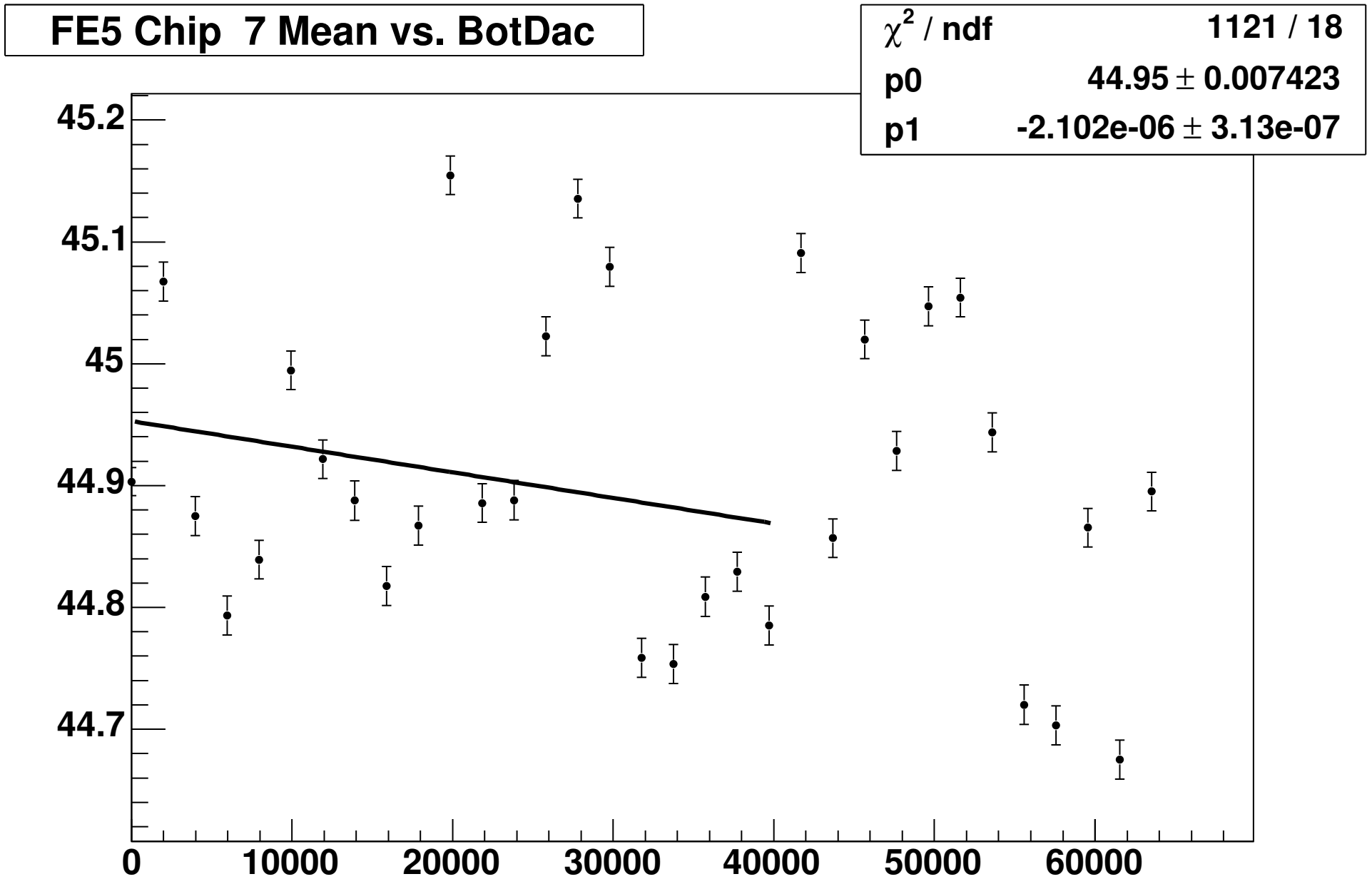
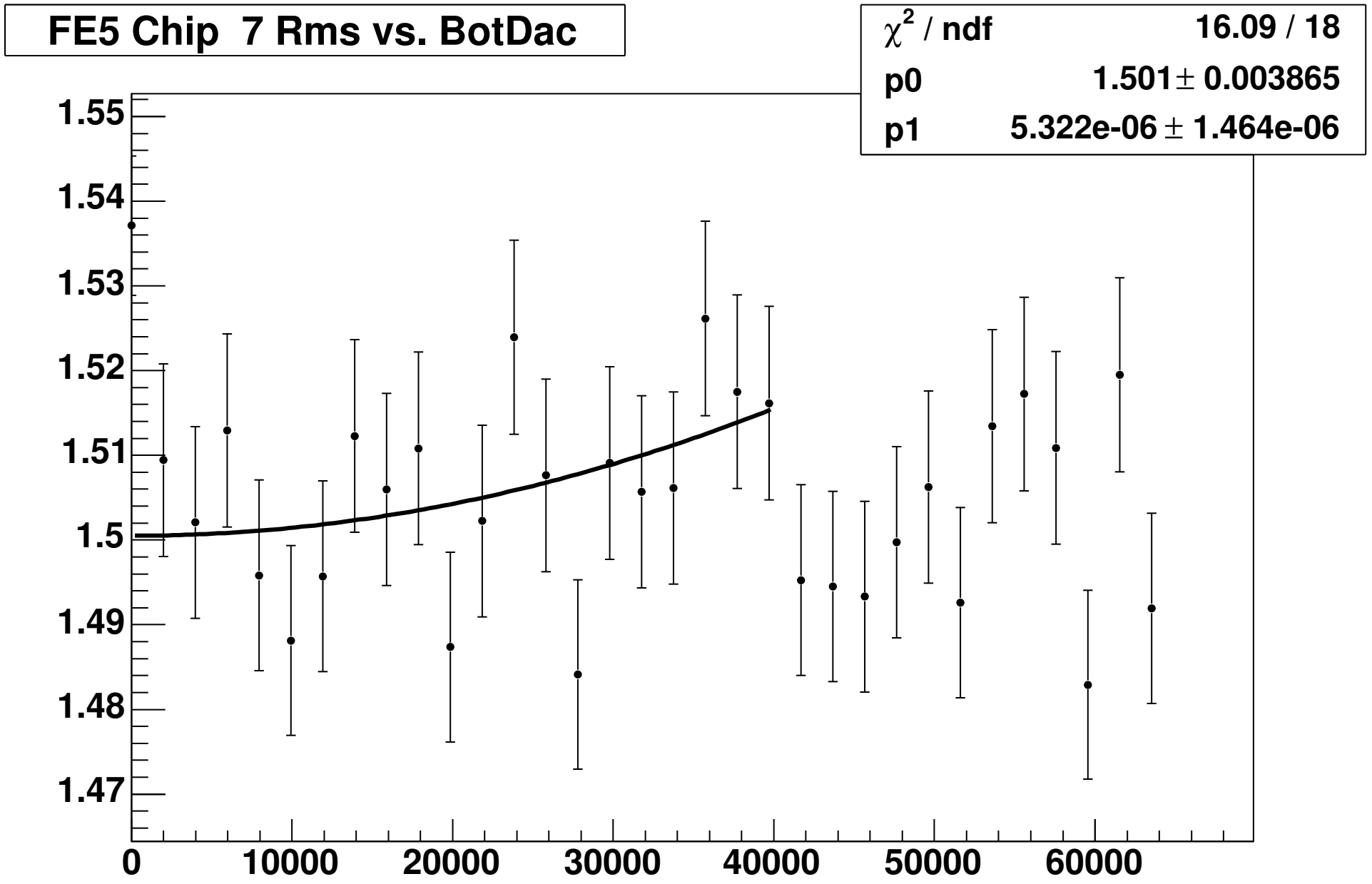
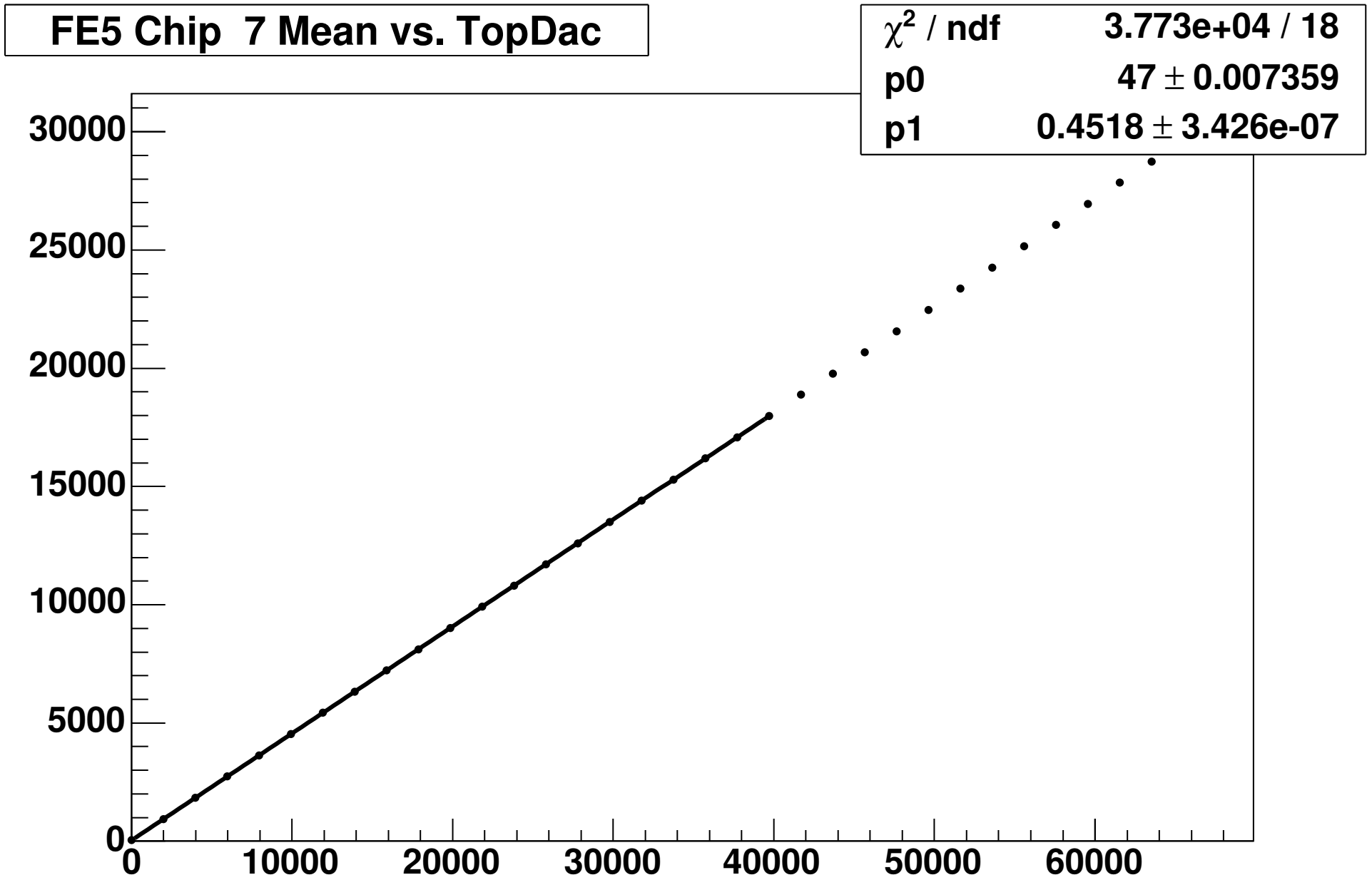

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1121 / 18
p0 44.95 ± 0.007423
p1 -2.102e-06 ± 3.13e-07
45.2
45.1
45
44.9
44.8
44.7
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ^2 / ndf 16.09 / 18
p0 1.501 ± 0.003865
p1 5.322e-06 ± 1.464e-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


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 3.773e+04 / 18
p0 47 ± 0.007359
p1 0.4518 ± 3.426e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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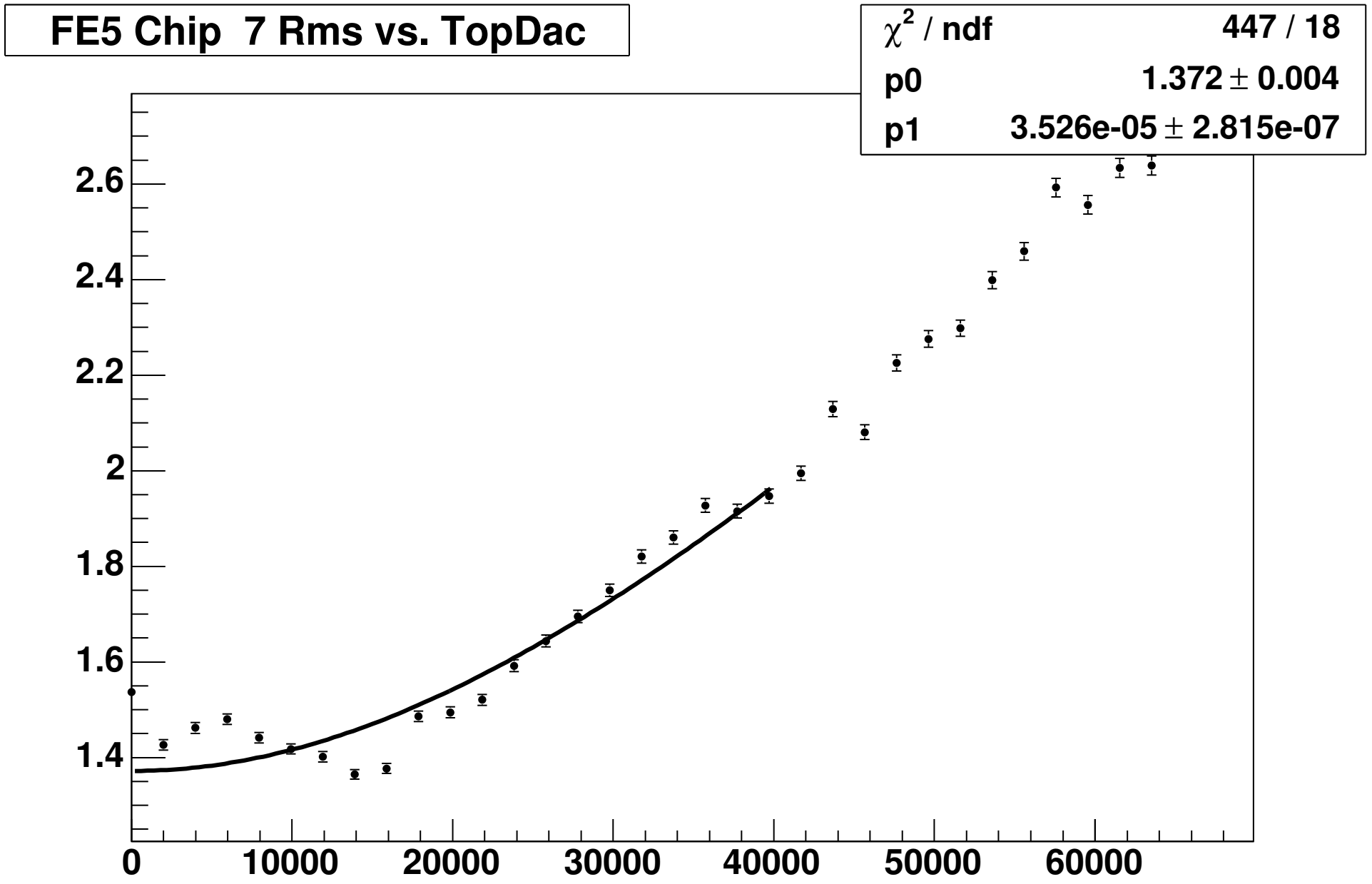
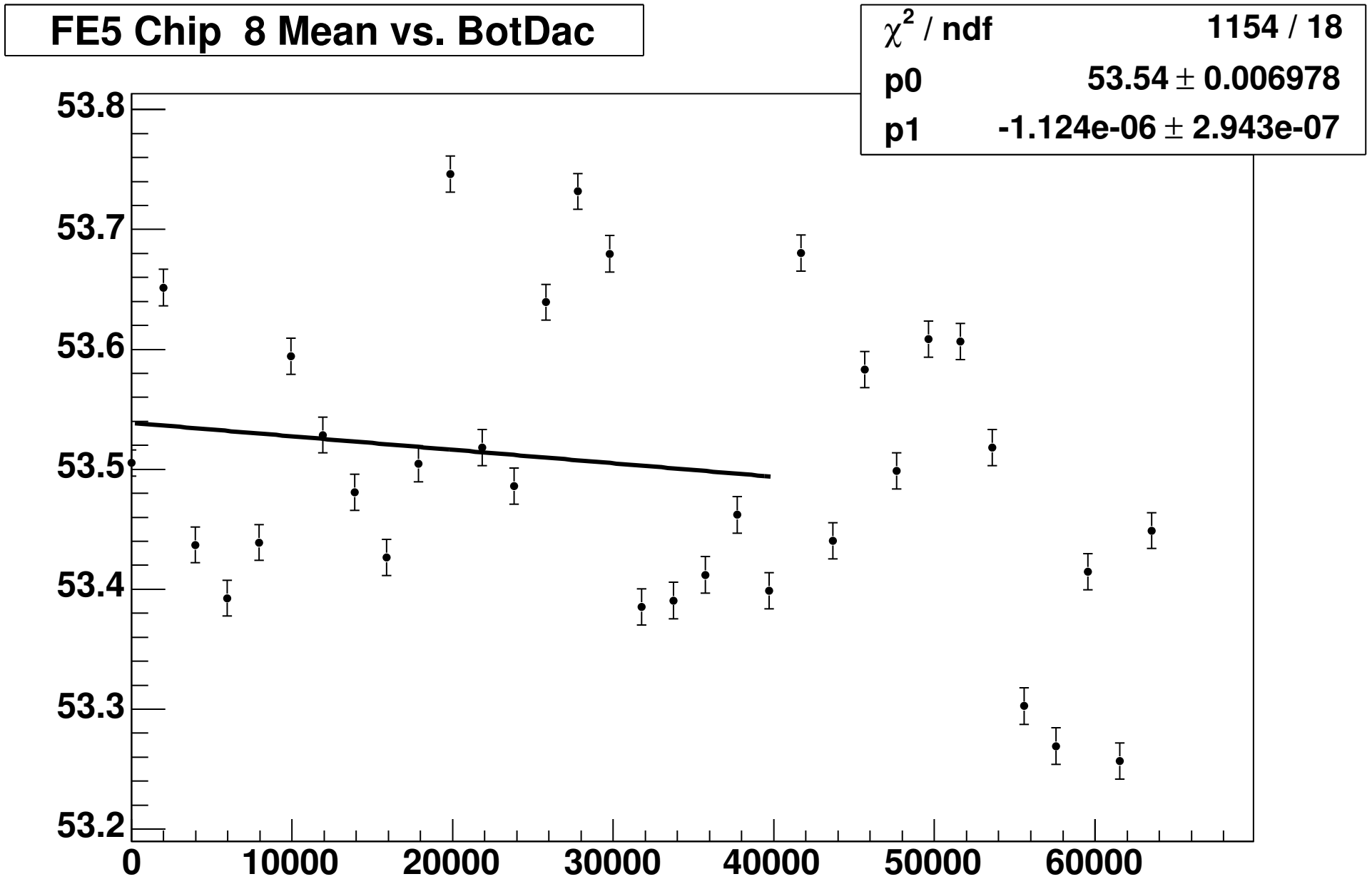
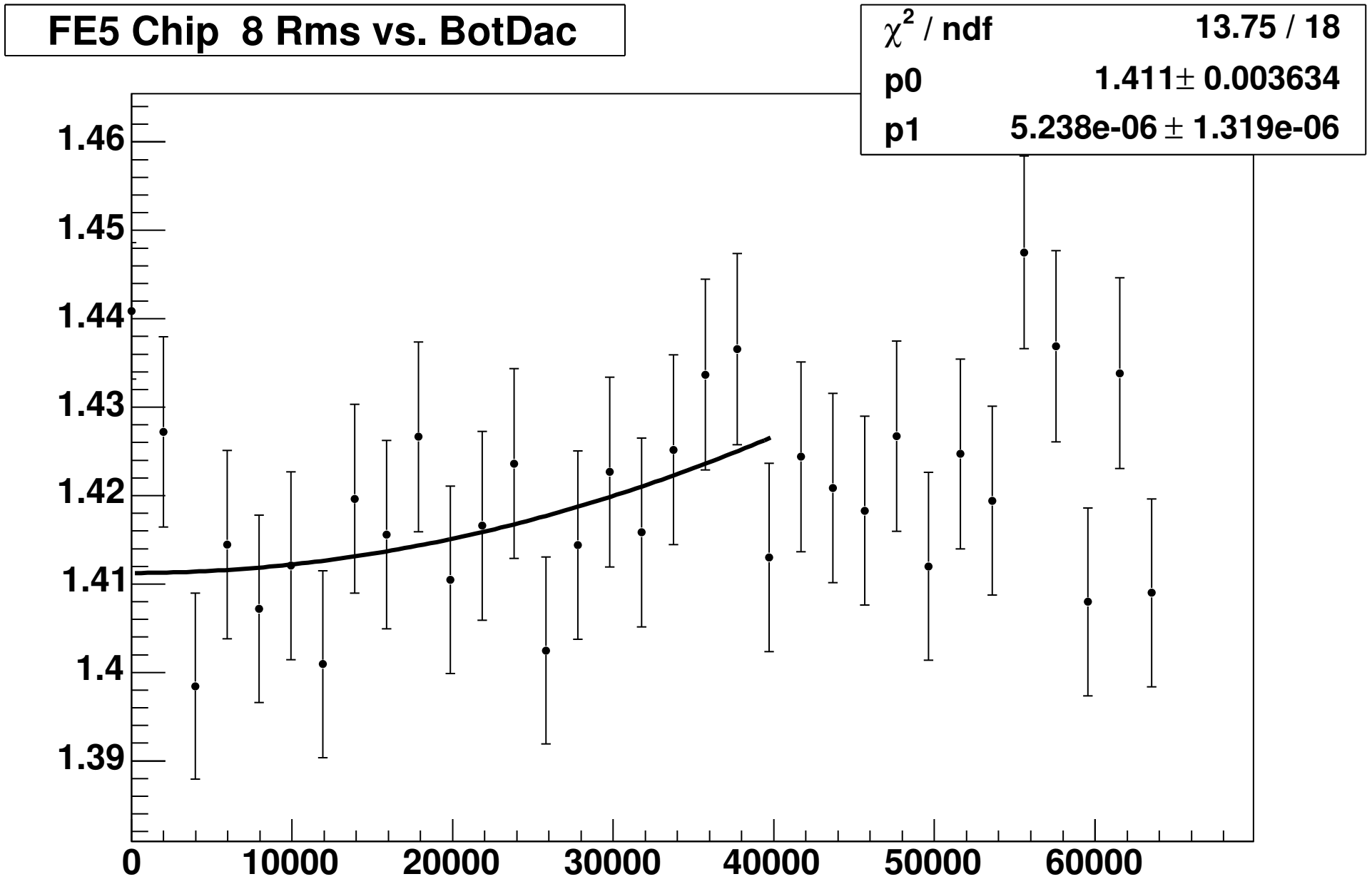

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 447 / 18
p0 1.372 ± 0.004
p1 3.526e-05 ± 2.815e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1154 / 18
p0 53.54 ± 0.006978
p1 -1.124e-06 ± 2.943e-07
53.8
53.7
53.6
53.5
53.4
53.3
53.2
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 13.75 / 18
p0 1.411 ± 0.003634
p1 5.238e-06 ± 1.319e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
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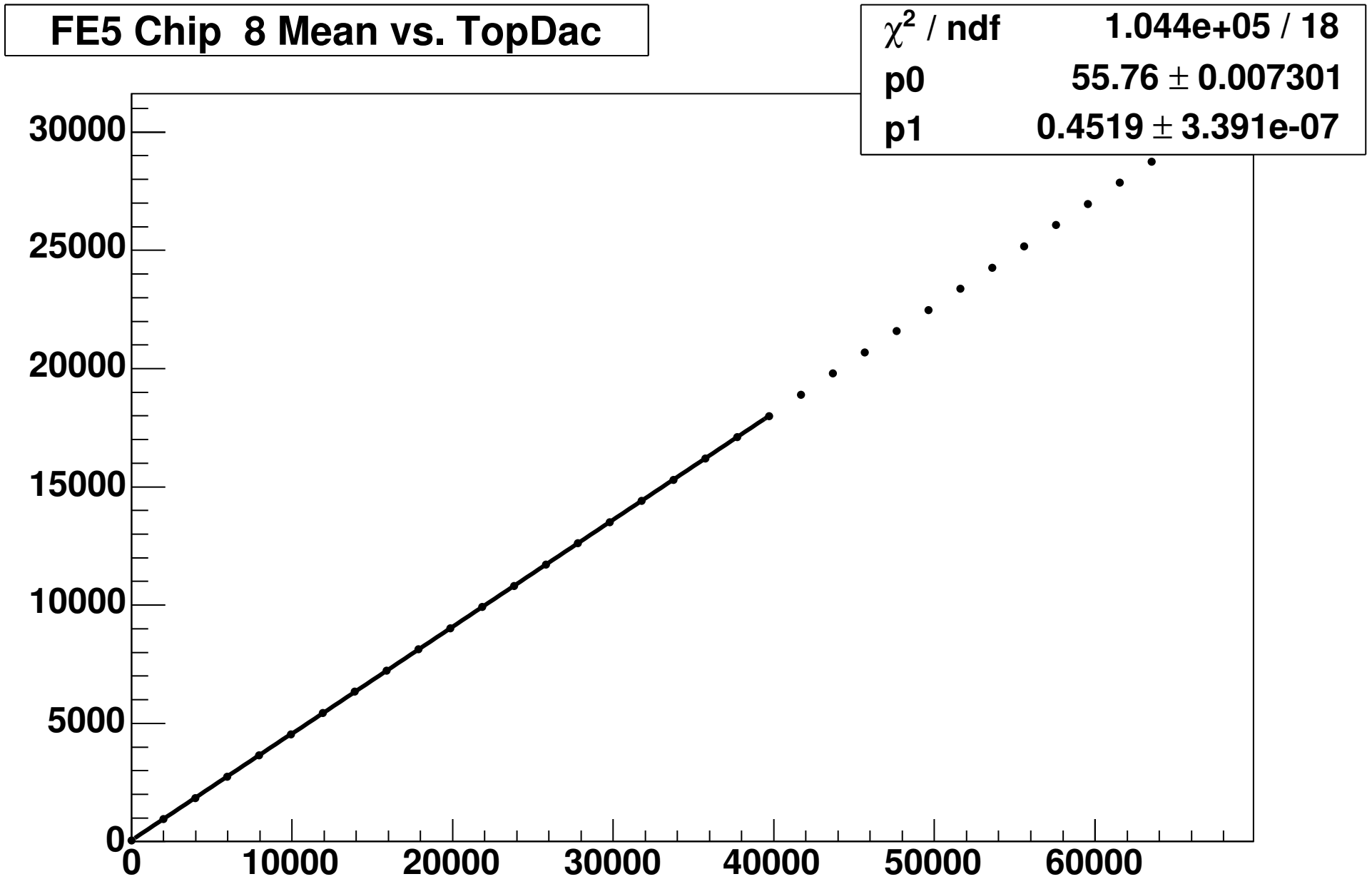
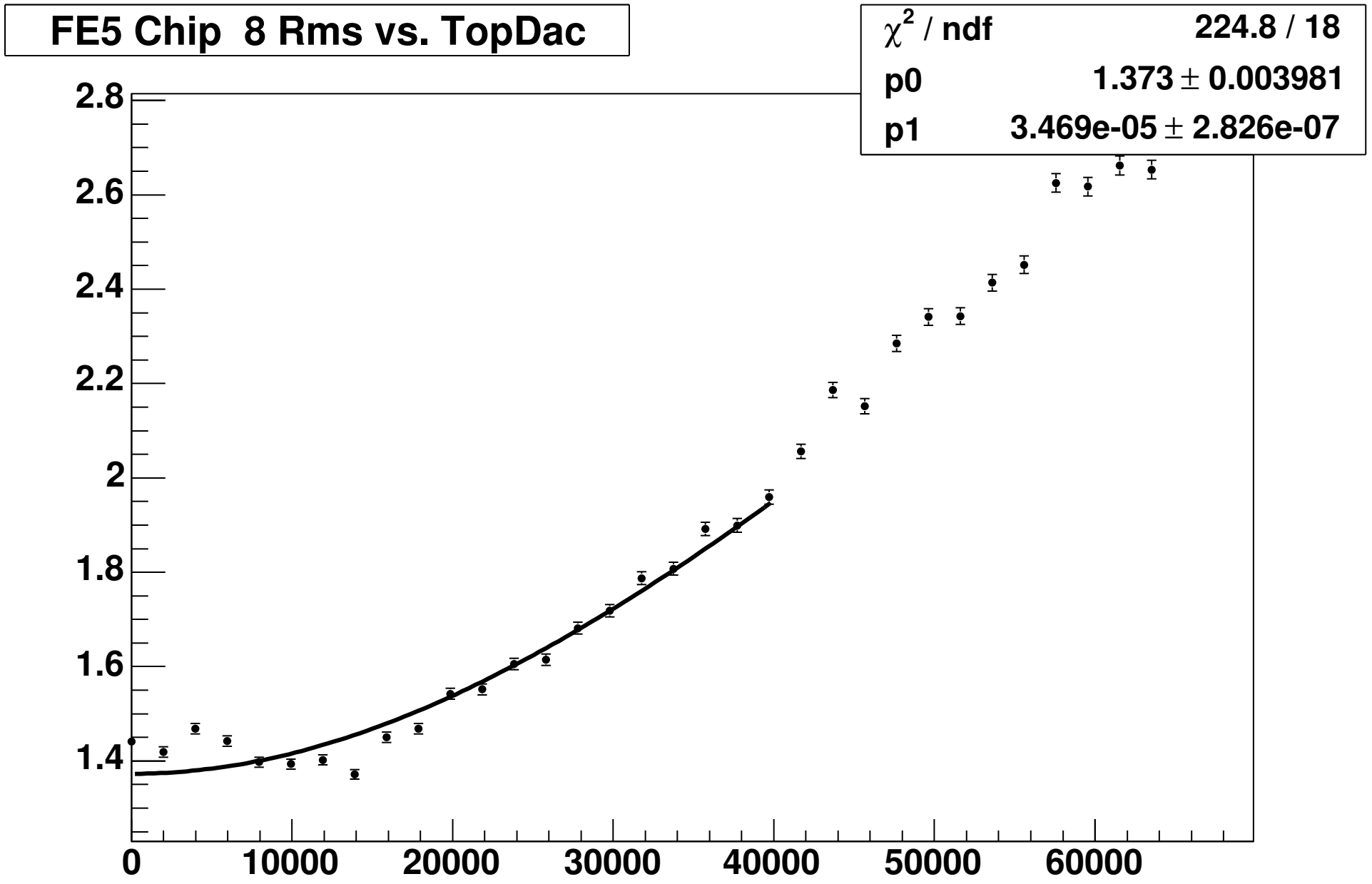
60000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.044e+05 / 18
p0 55.76 ± 0.007301
p1 0.4519 ± 3.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 224.8 / 18
p0 1.373 ± 0.003981
p1 3.469e-05 ± 2.826e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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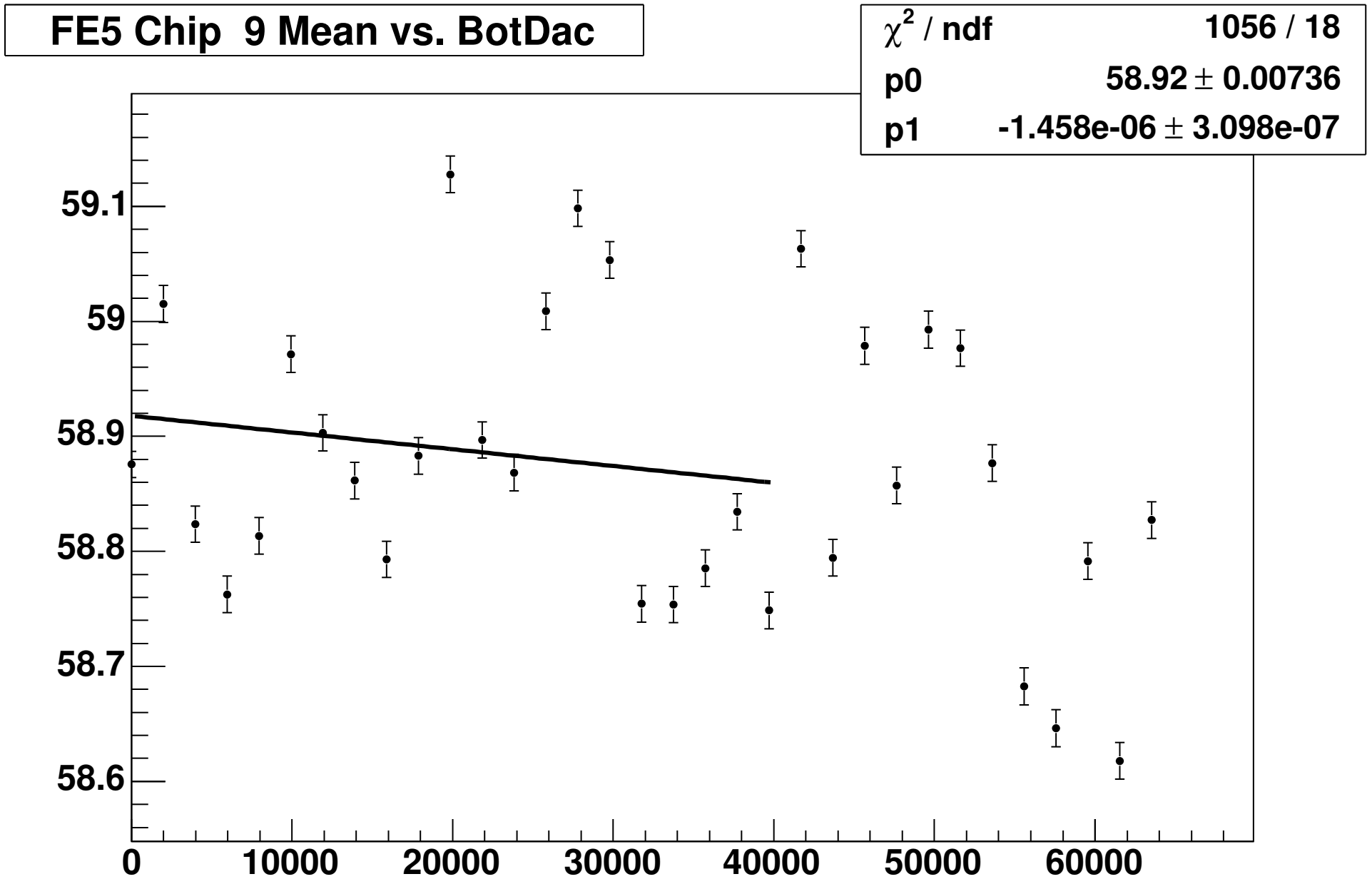
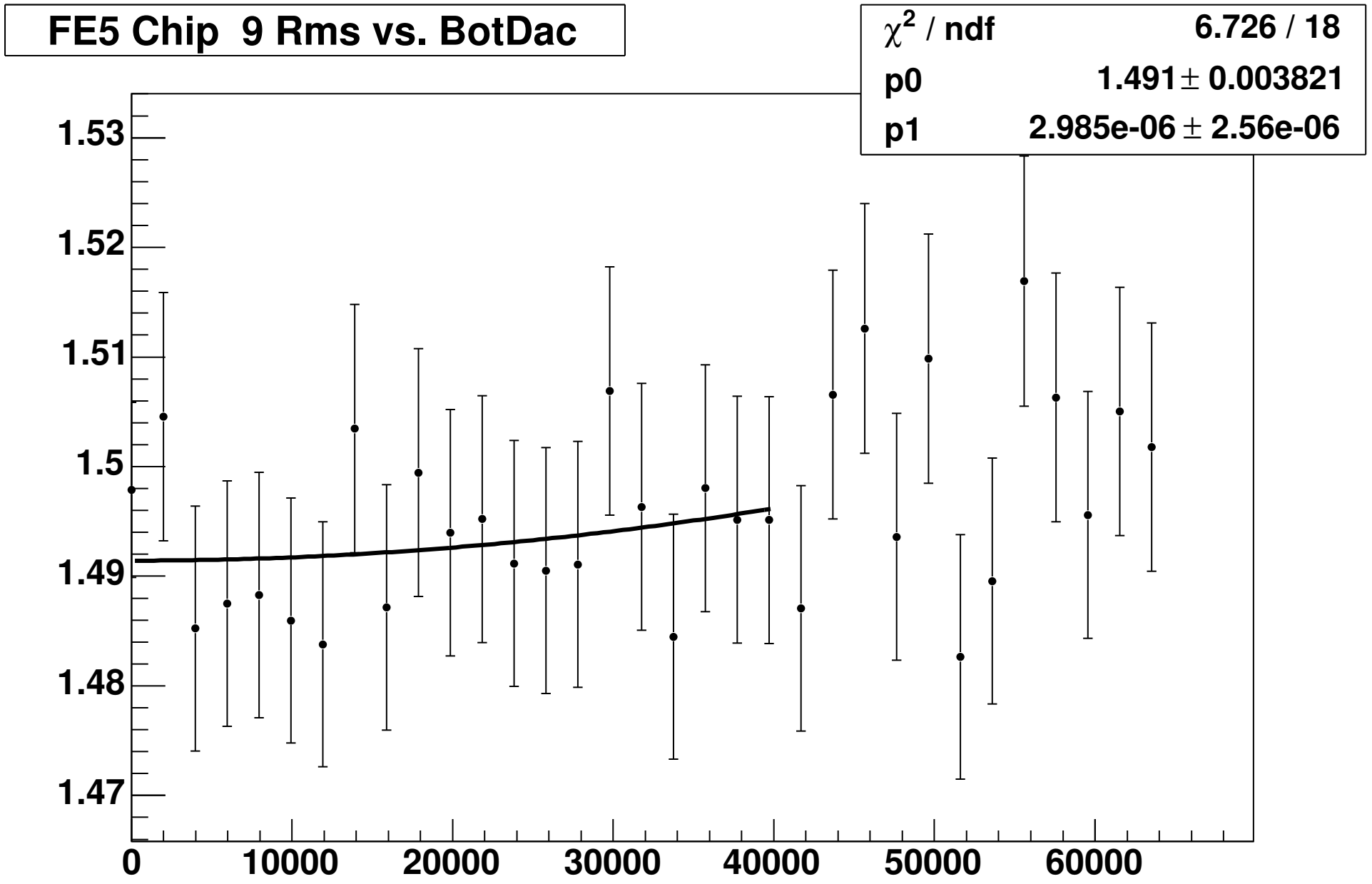
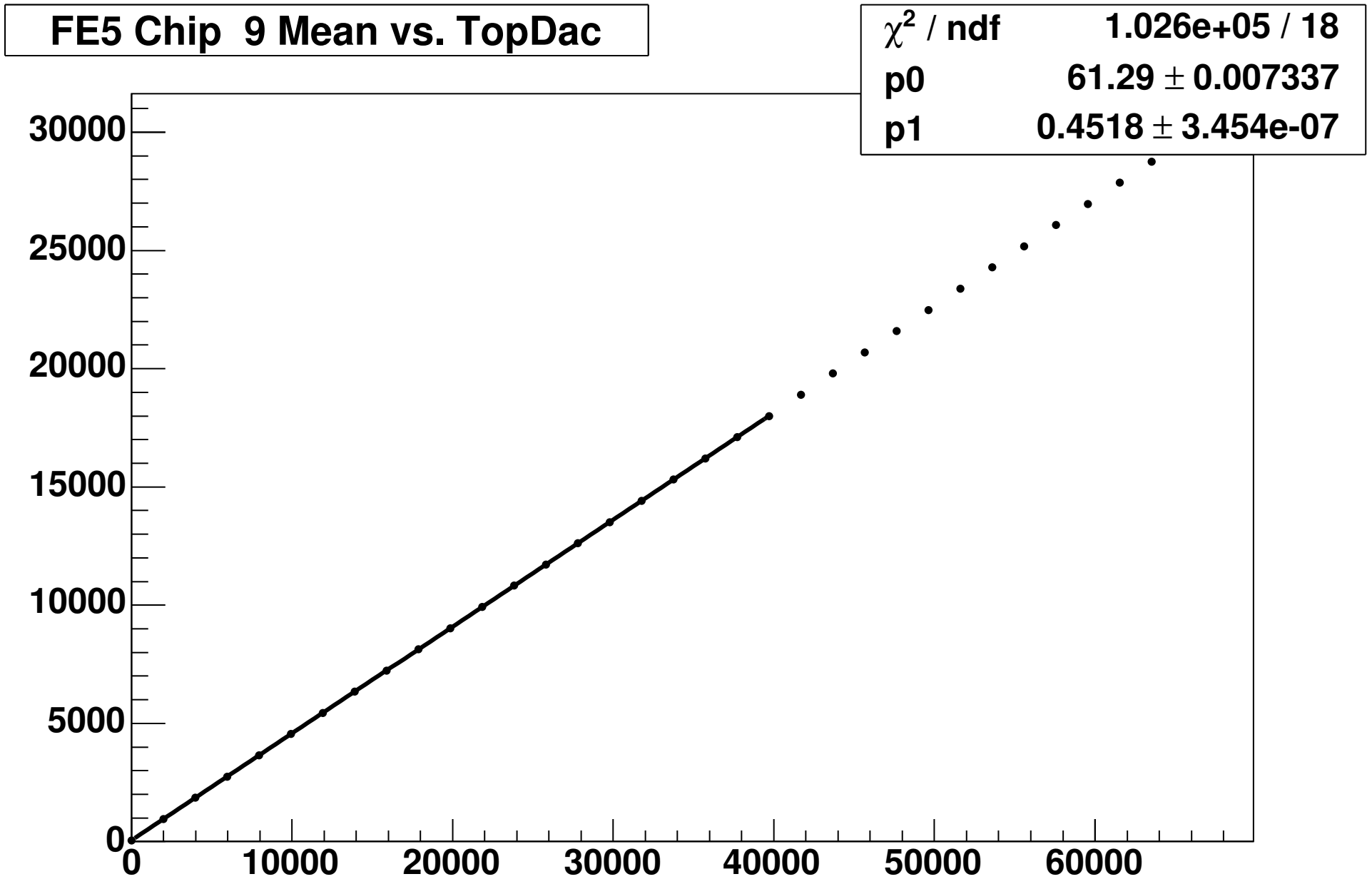
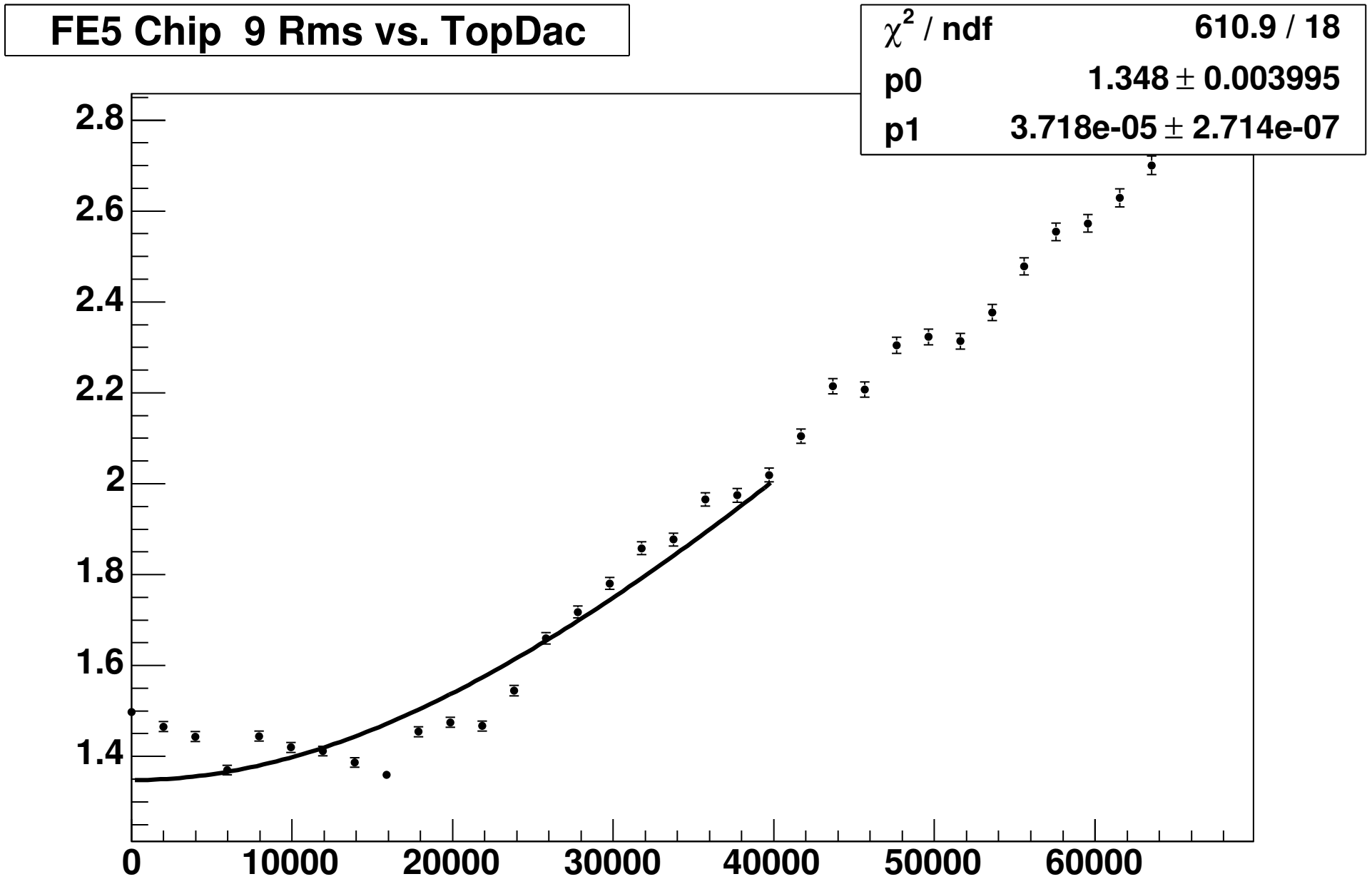
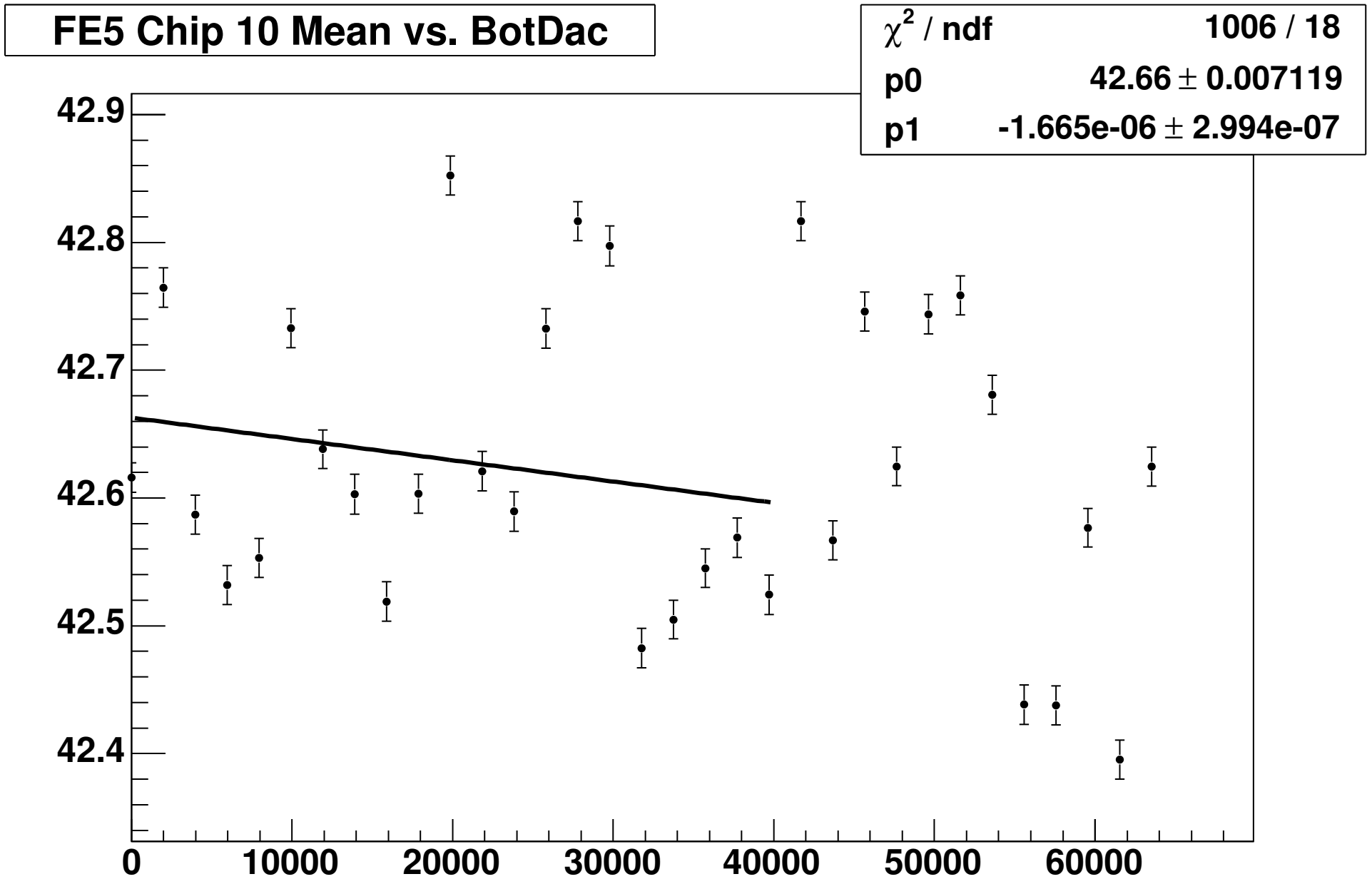
30000
40000
50000
60000

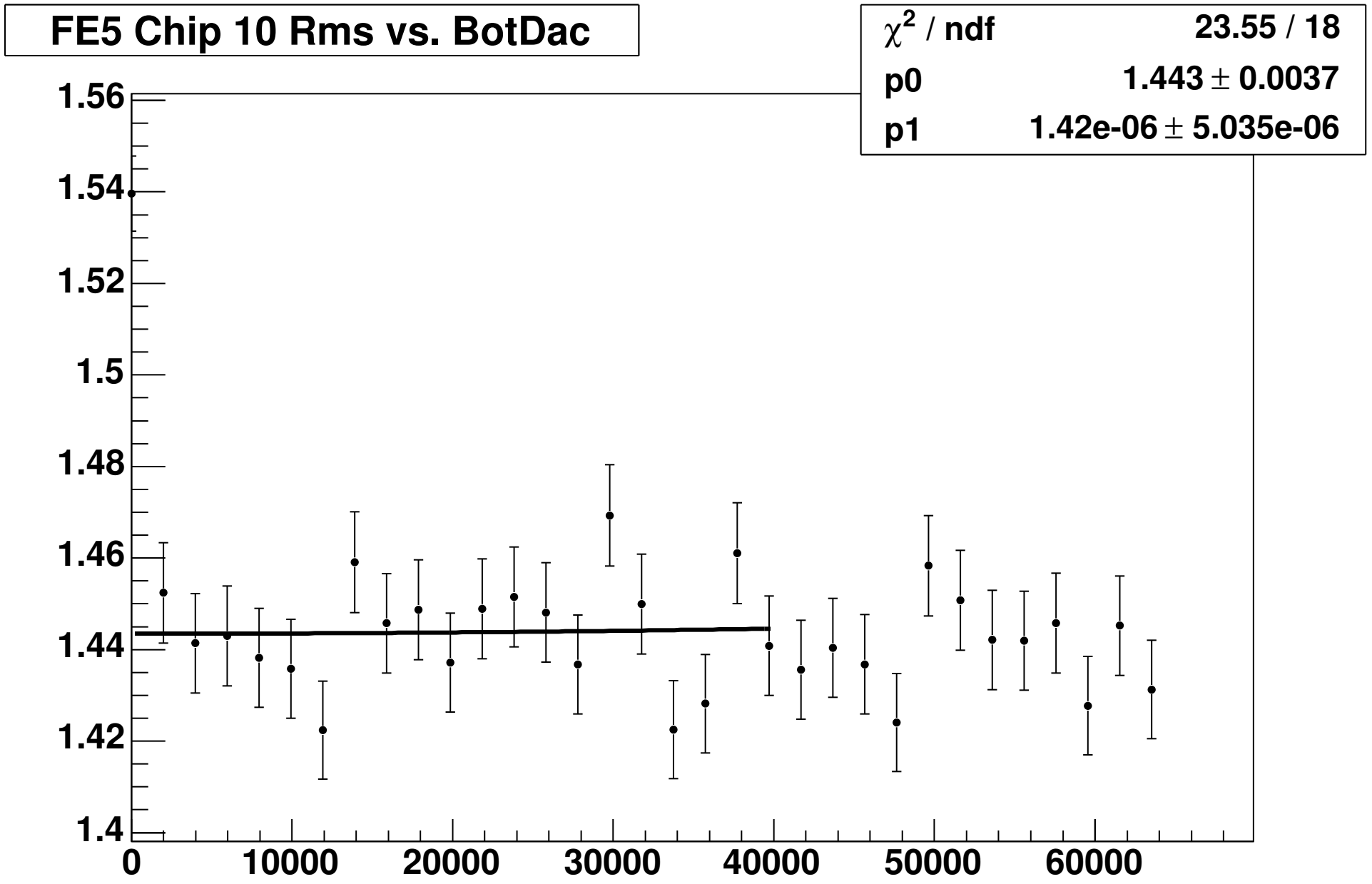

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 1056 / 18
p0 58.92 ± 0.00736
p1 -1.458e-06 ± 3.098e-07
59.1
59
58.9
58.8
58.7
58.6
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 6.726 / 18
p0 1.491 ± 0.003821
p1 2.985e-06 ± 2.56e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.026e+05 / 18
p0 61.29 ± 0.007337
p1 0.4518 ± 3.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 610.9 / 18
p0 1.348 ± 0.003995
p1 3.718e-05 ± 2.714e-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 1006 / 18
p0 42.66 ± 0.007119
p1 -1.665e-06 ± 2.994e-07
42.9
42.8
42.7
42.6
42.5
42.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 23.55 / 18
p0 1.443 ± 0.0037
p1 1.42e-06 ± 5.035e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
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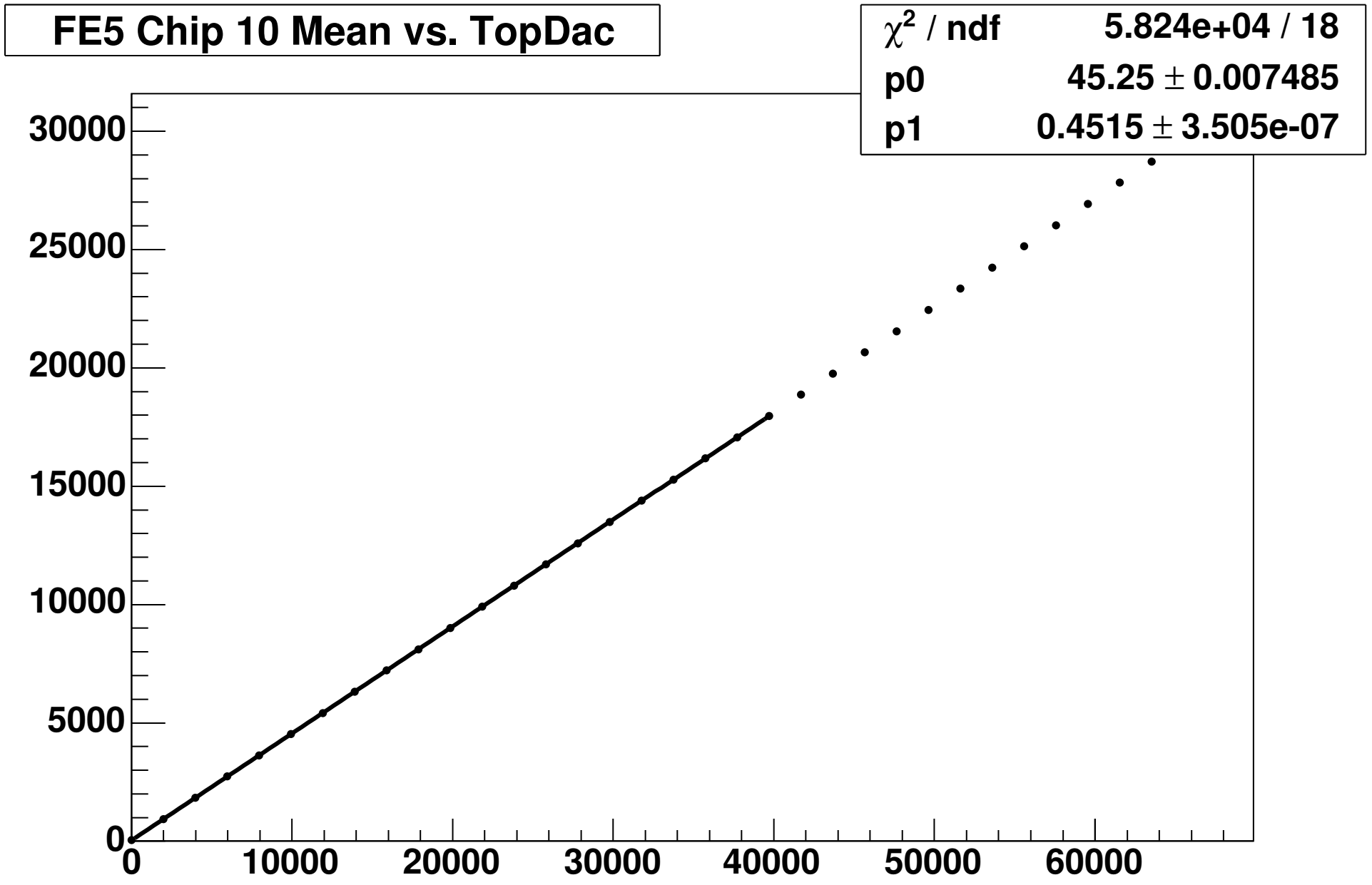
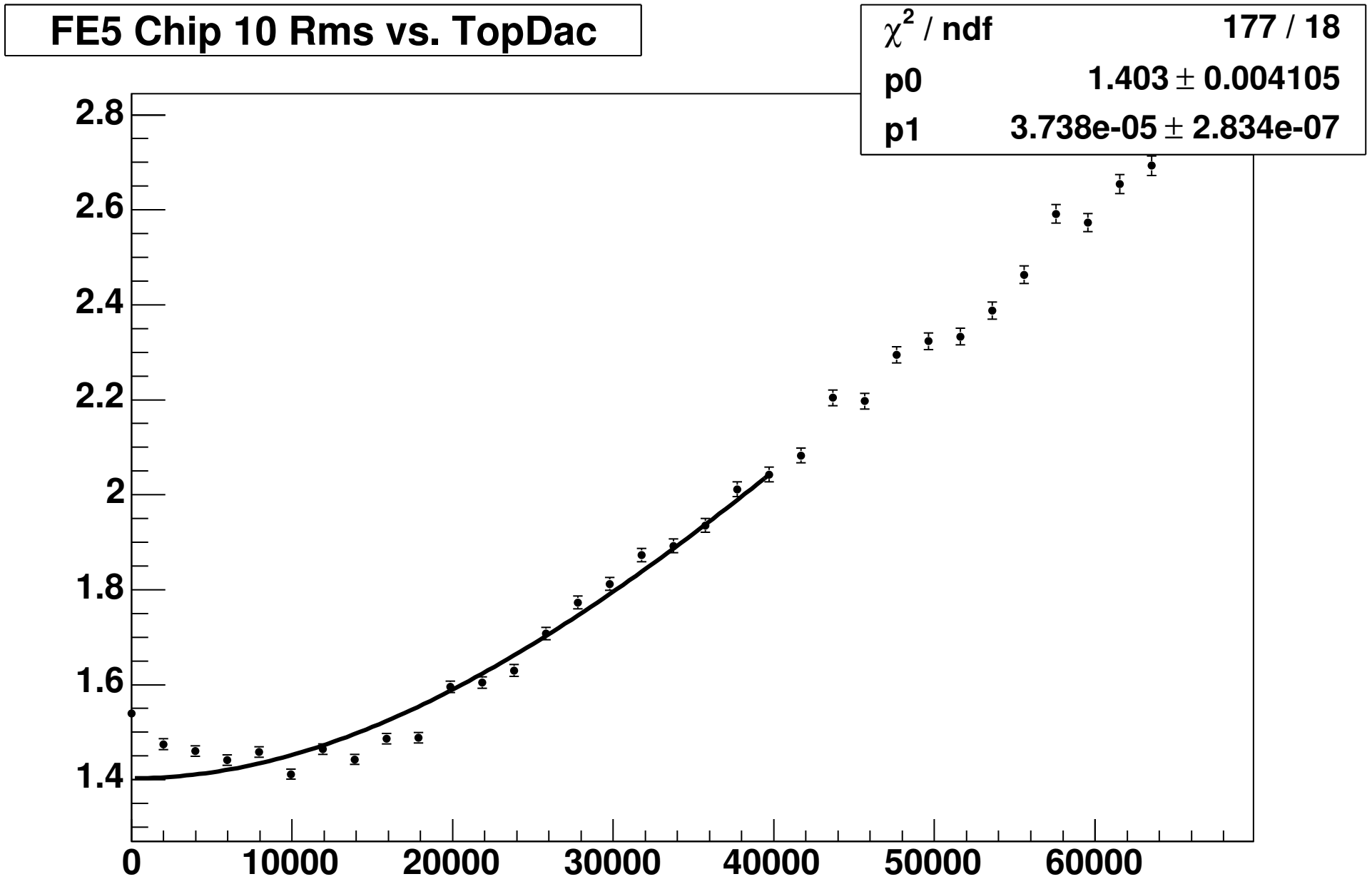

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 5.824e+04 / 18
p0 45.25 ± 0.007485
p1 0.4515 ± 3.505e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 177 / 18
p0 1.403 ± 0.004105
p1 3.738e-05 ± 2.834e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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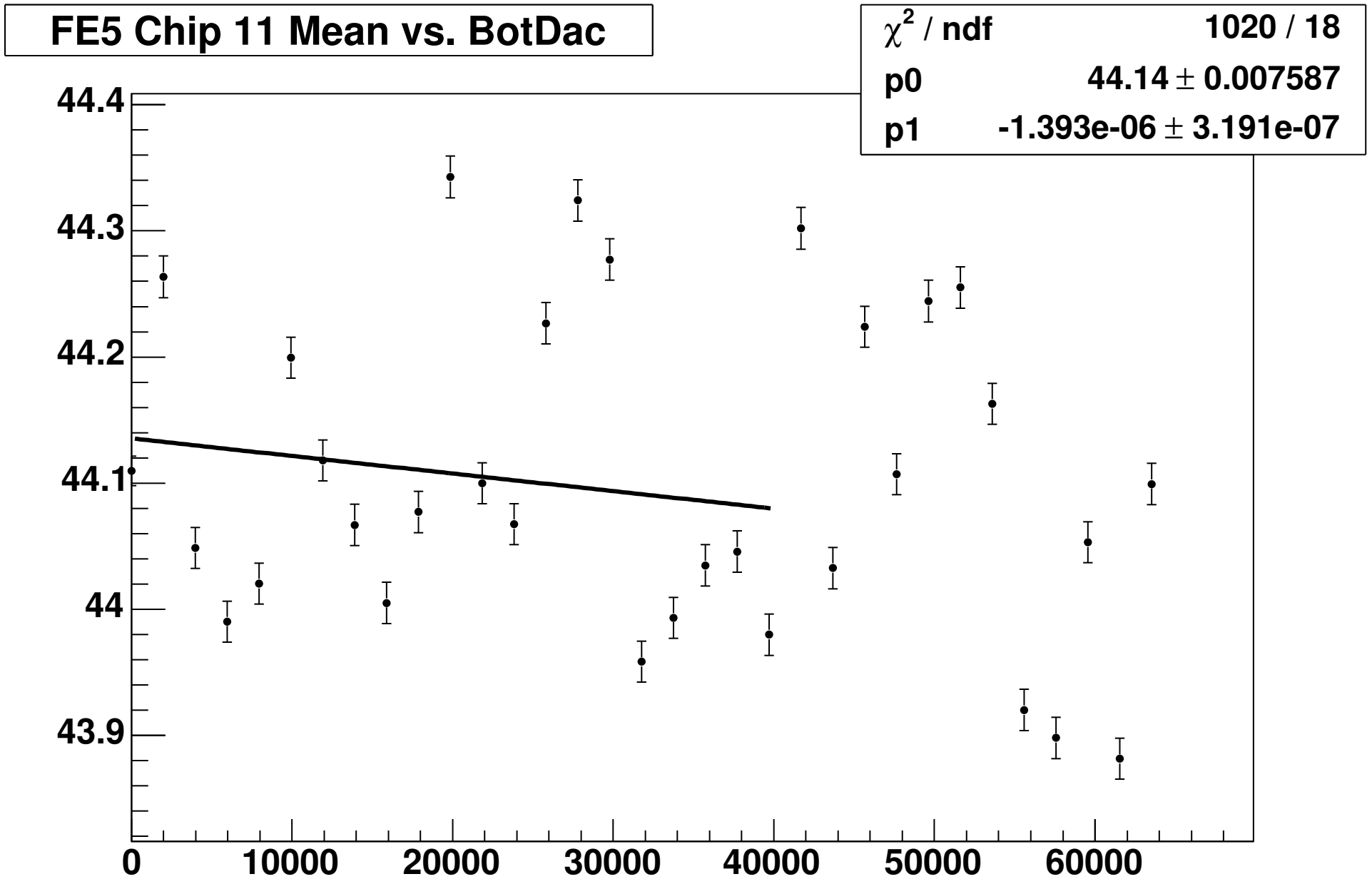
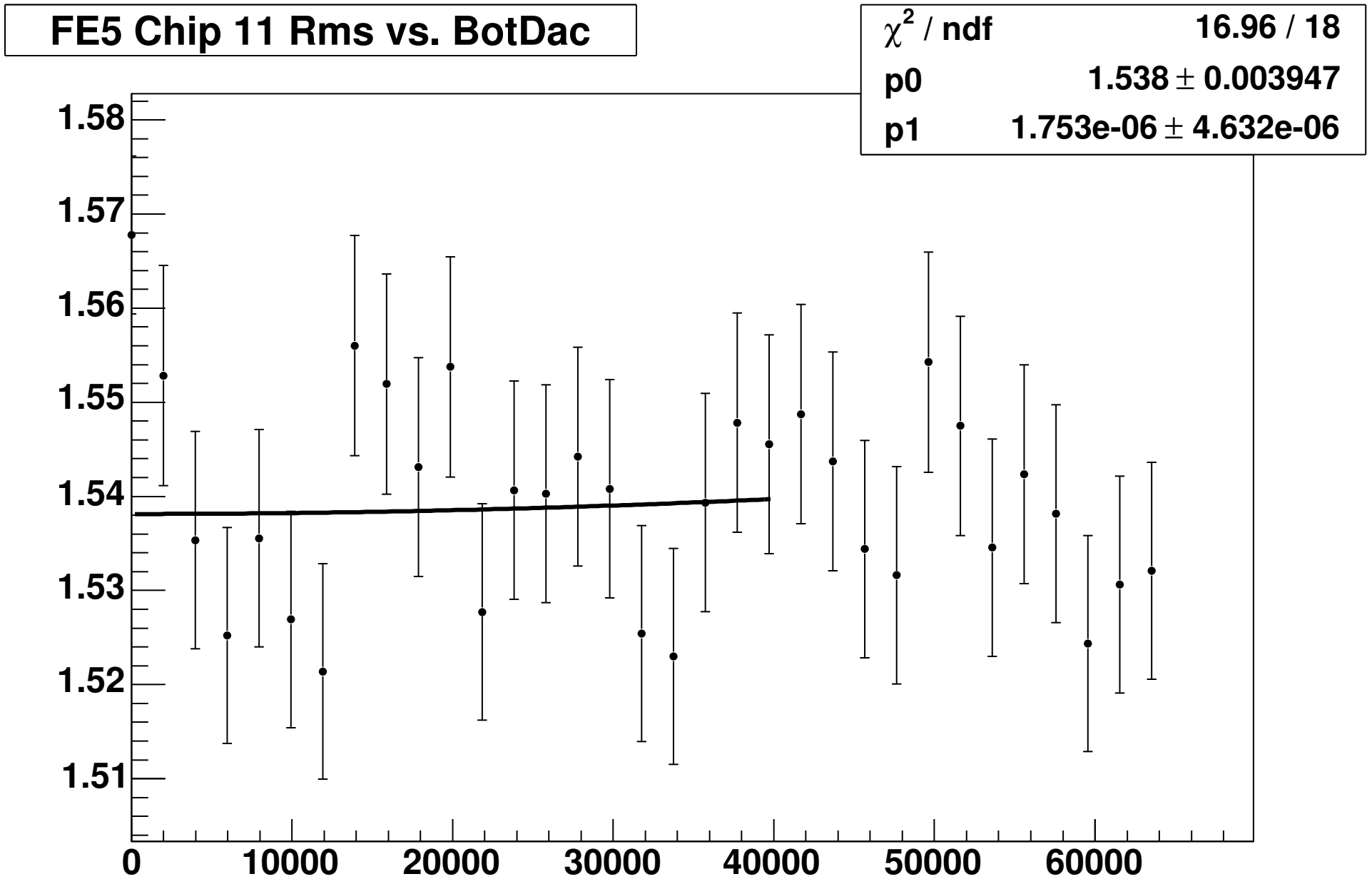
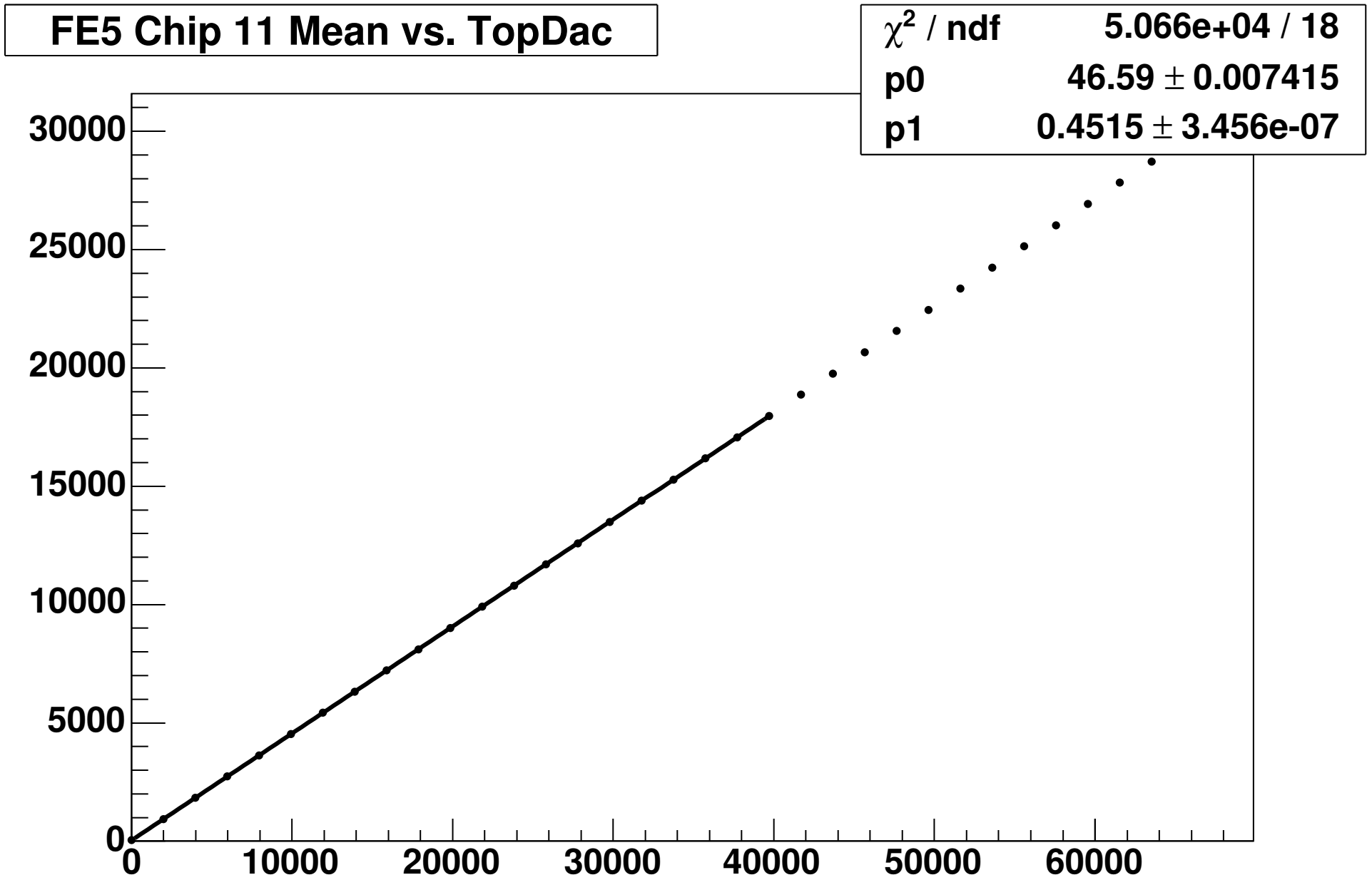
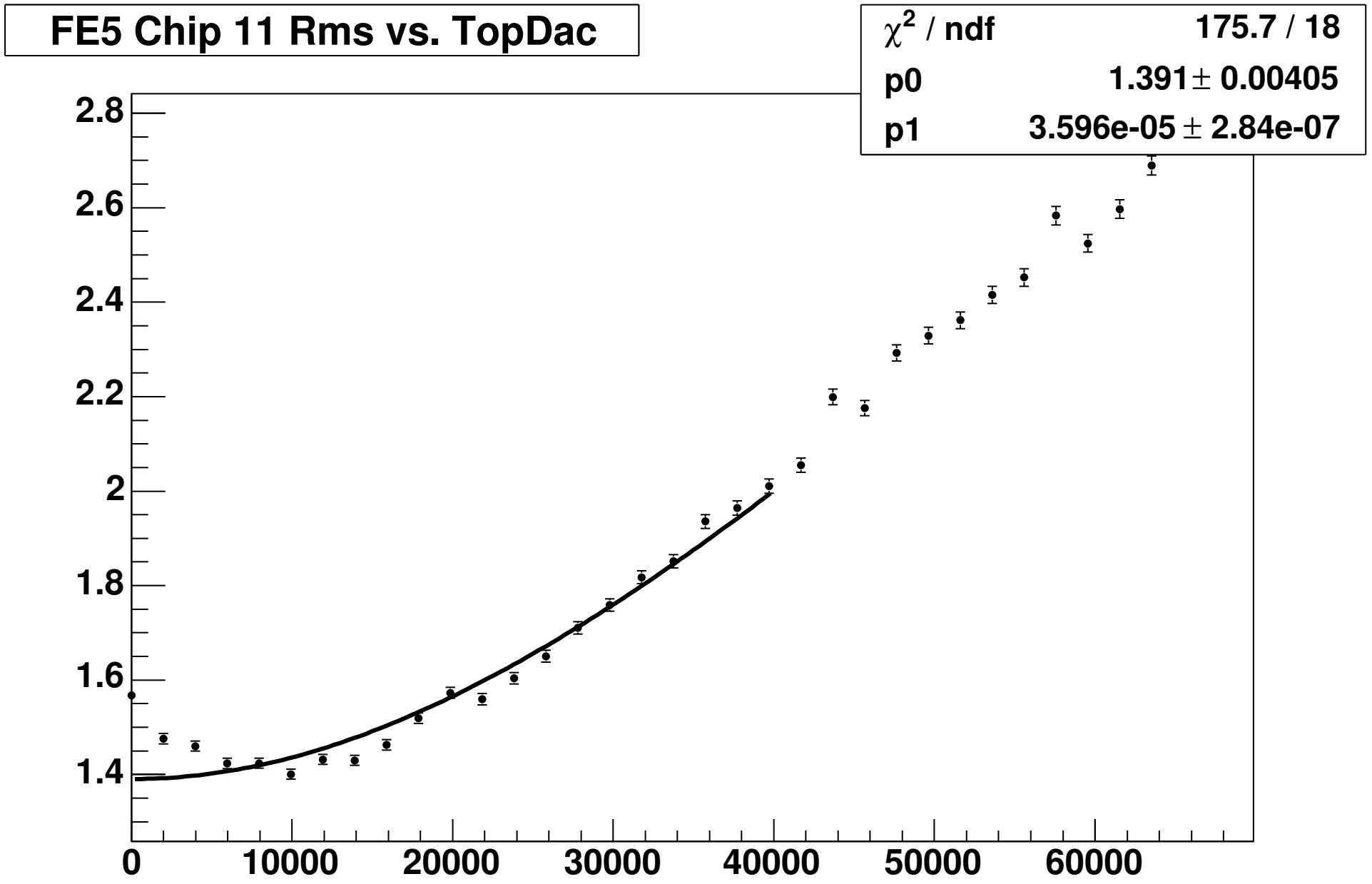
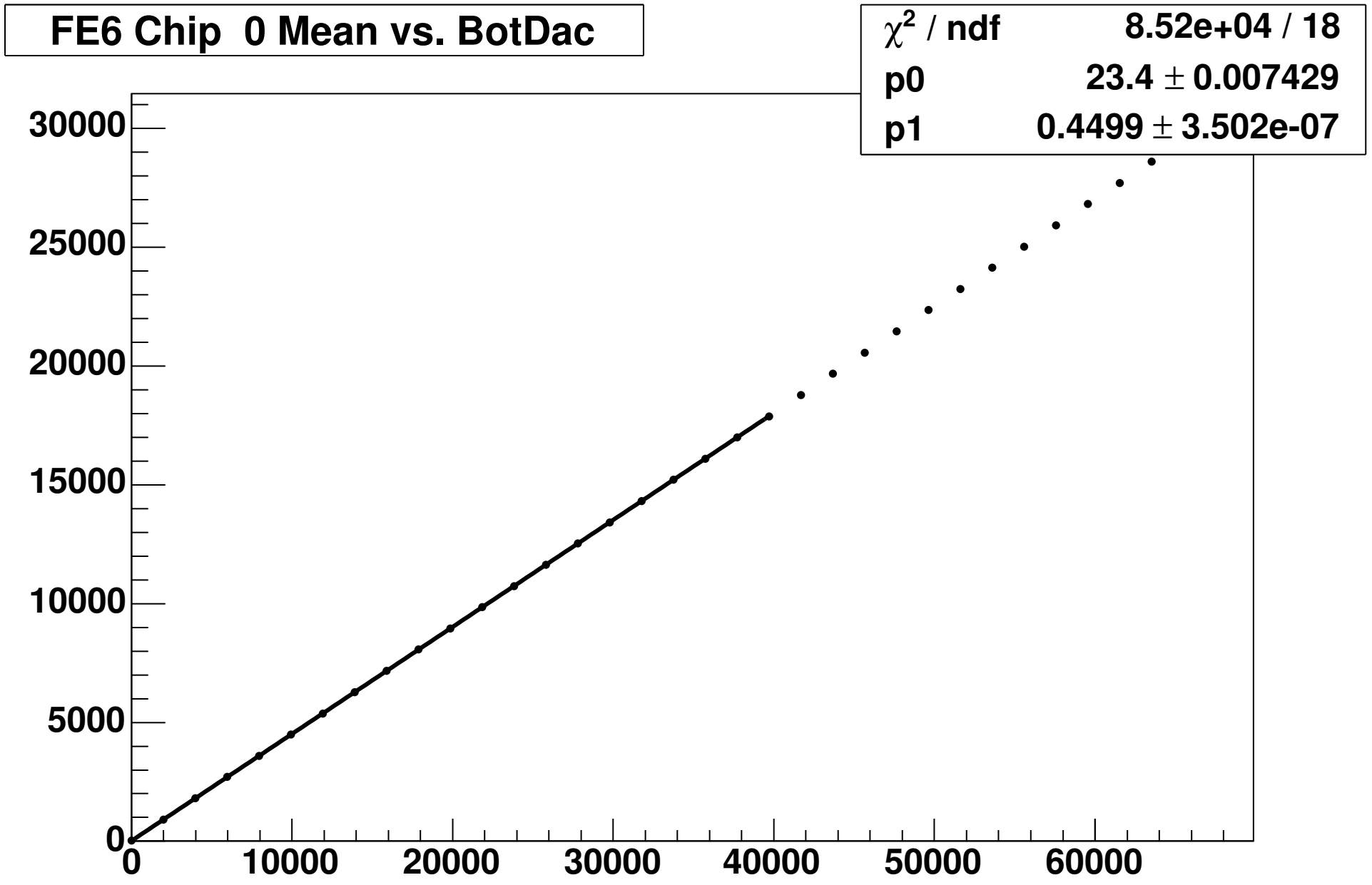
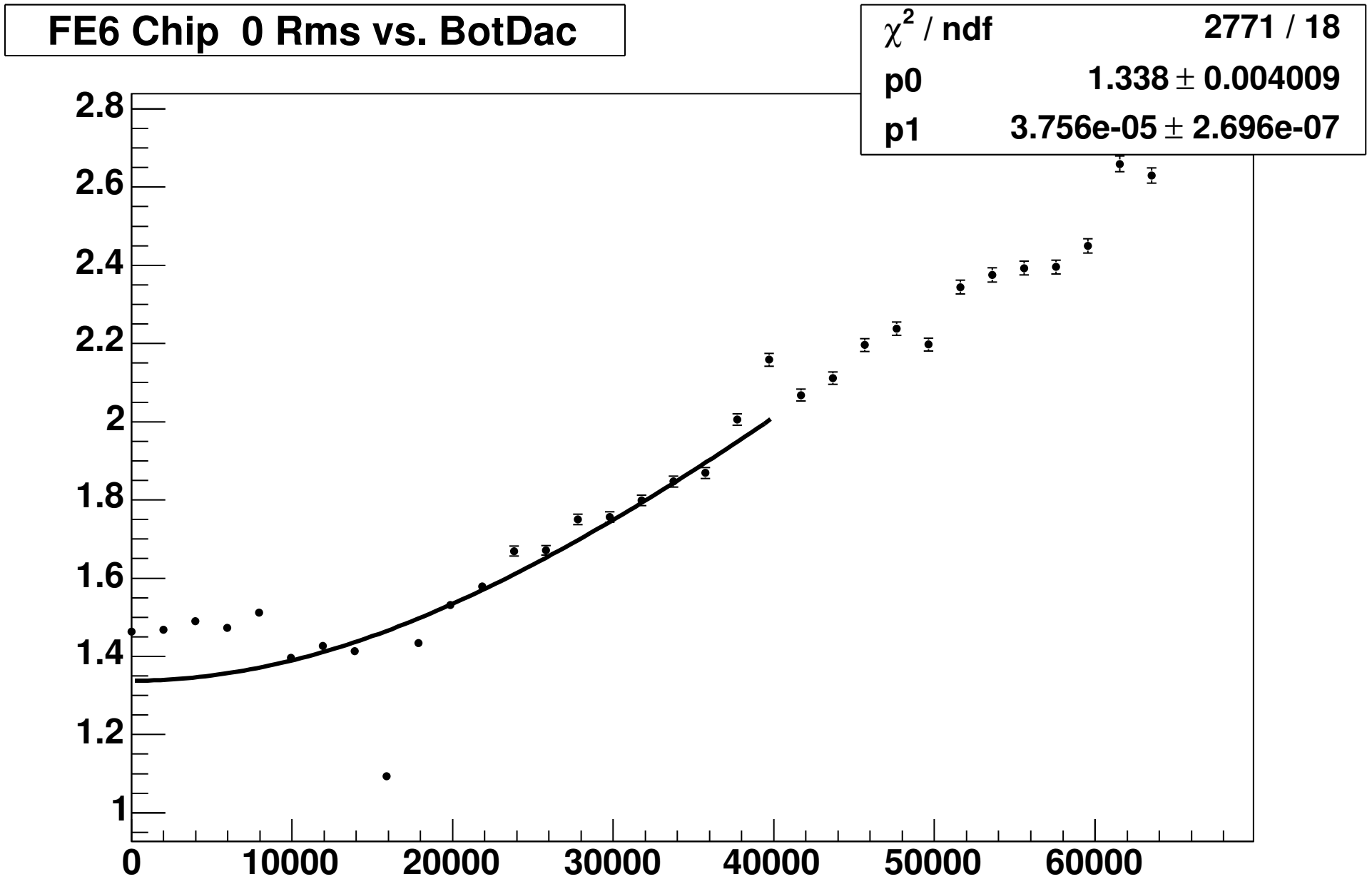

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1020 / 18
p0 44.14 ± 0.007587
p1 -1.393e-06 ± 3.191e-07
44.4
44.3
44.2
44.1
44
43.9
0
10000
20000
30000
40000
50000
60000

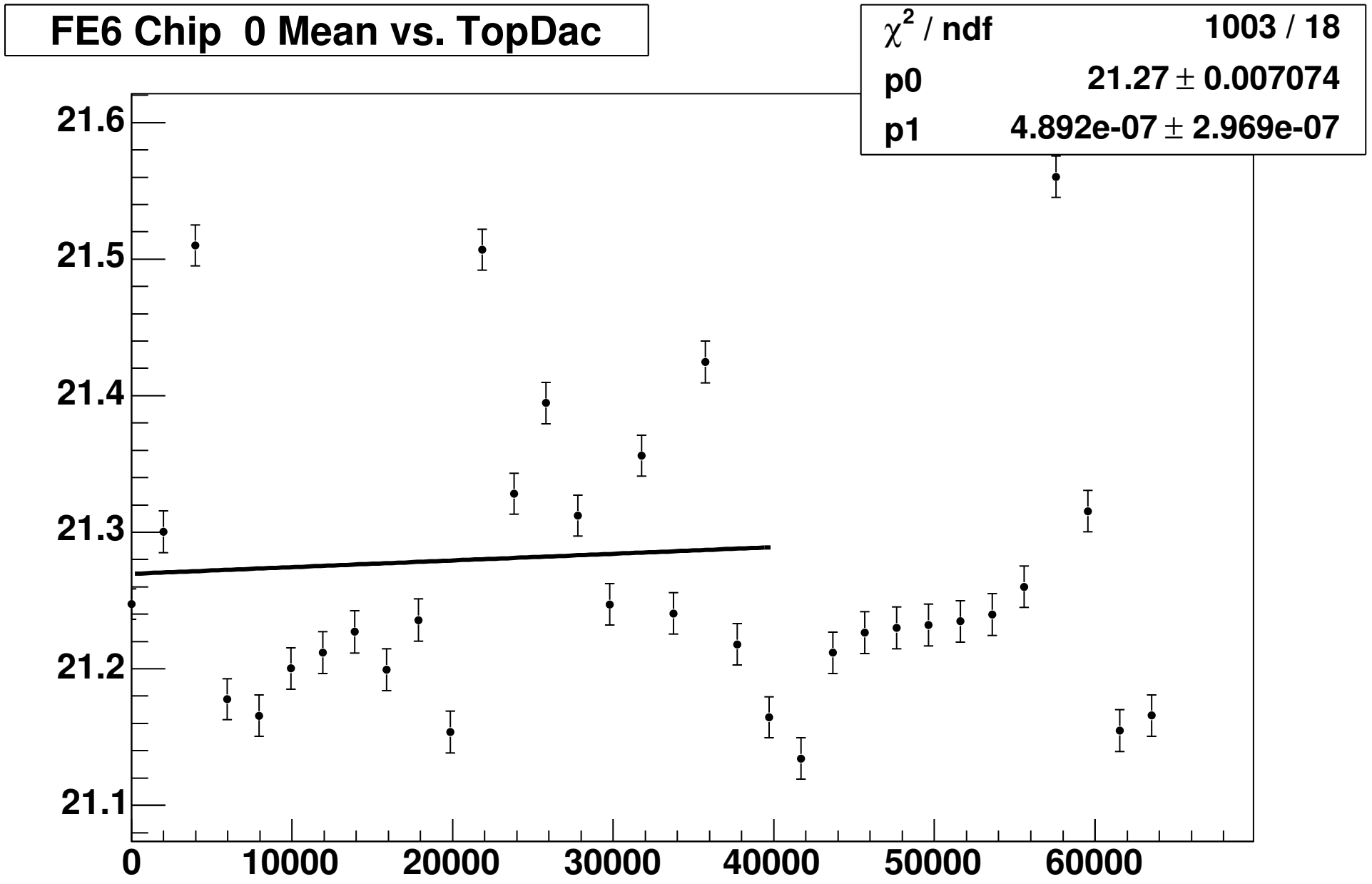

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 16.96 / 18
p0 1.538 ± 0.003947
p1 1.753e-06 ± 4.632e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 5.066e+04 / 18
p0 46.59 ± 0.007415
p1 0.4515 ± 3.456e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 175.7 / 18
p0 1.391 ± 0.00405
p1 3.596e-05 ± 2.84e-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 8.52e+04 / 18
p0 23.4 ± 0.007429
p1 0.4499 ± 3.502e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 2771 / 18
p0 1.338 ± 0.004009
p1 3.756e-05 ± 2.696e-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
χ^2 / ndf 1003 / 18
p0 21.27 ± 0.007074
p1 4.892e-07 ± 2.969e-07
21.6
21.5
21.4
21.3
21.2
21.1
0
10000
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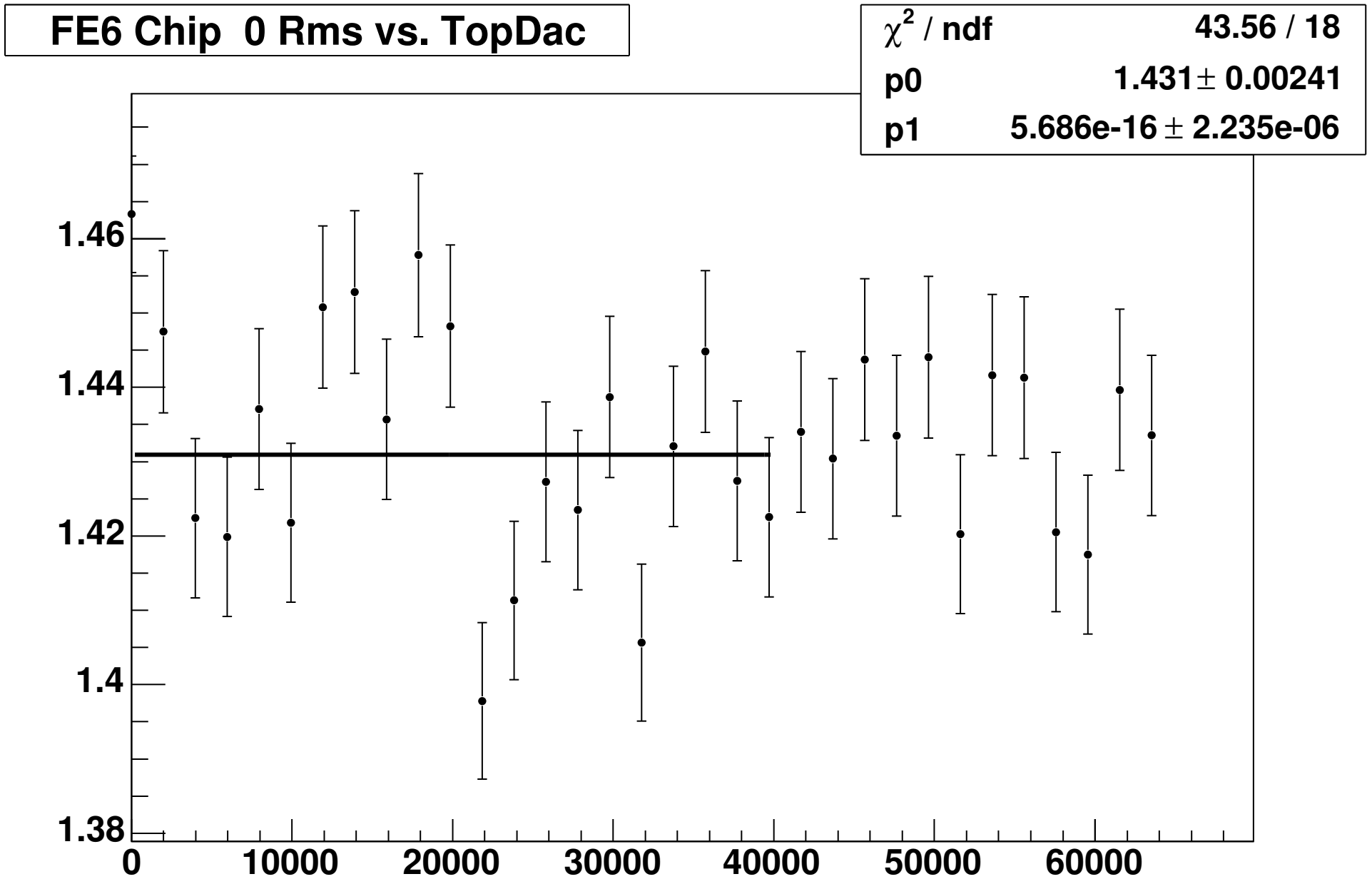
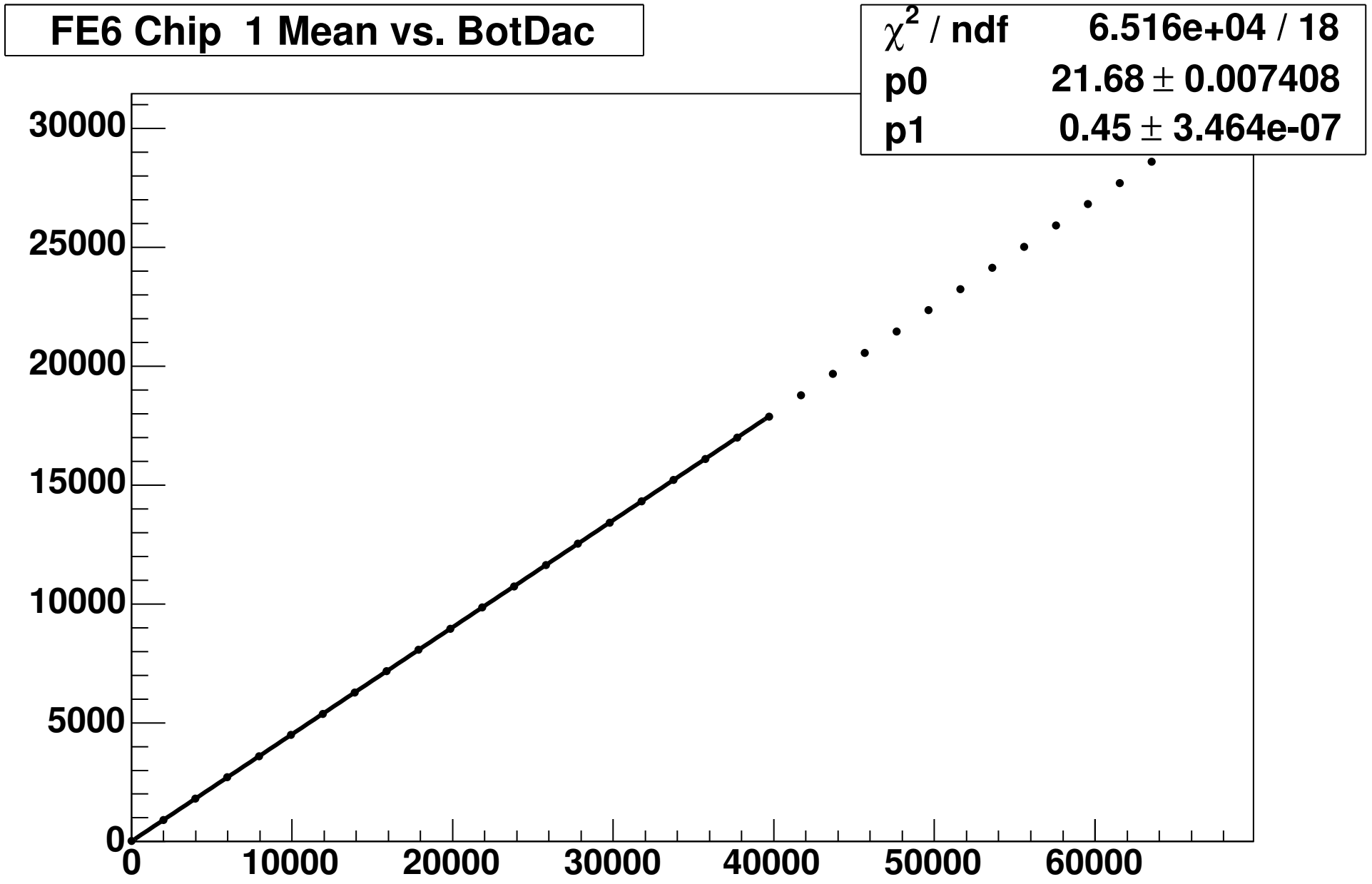
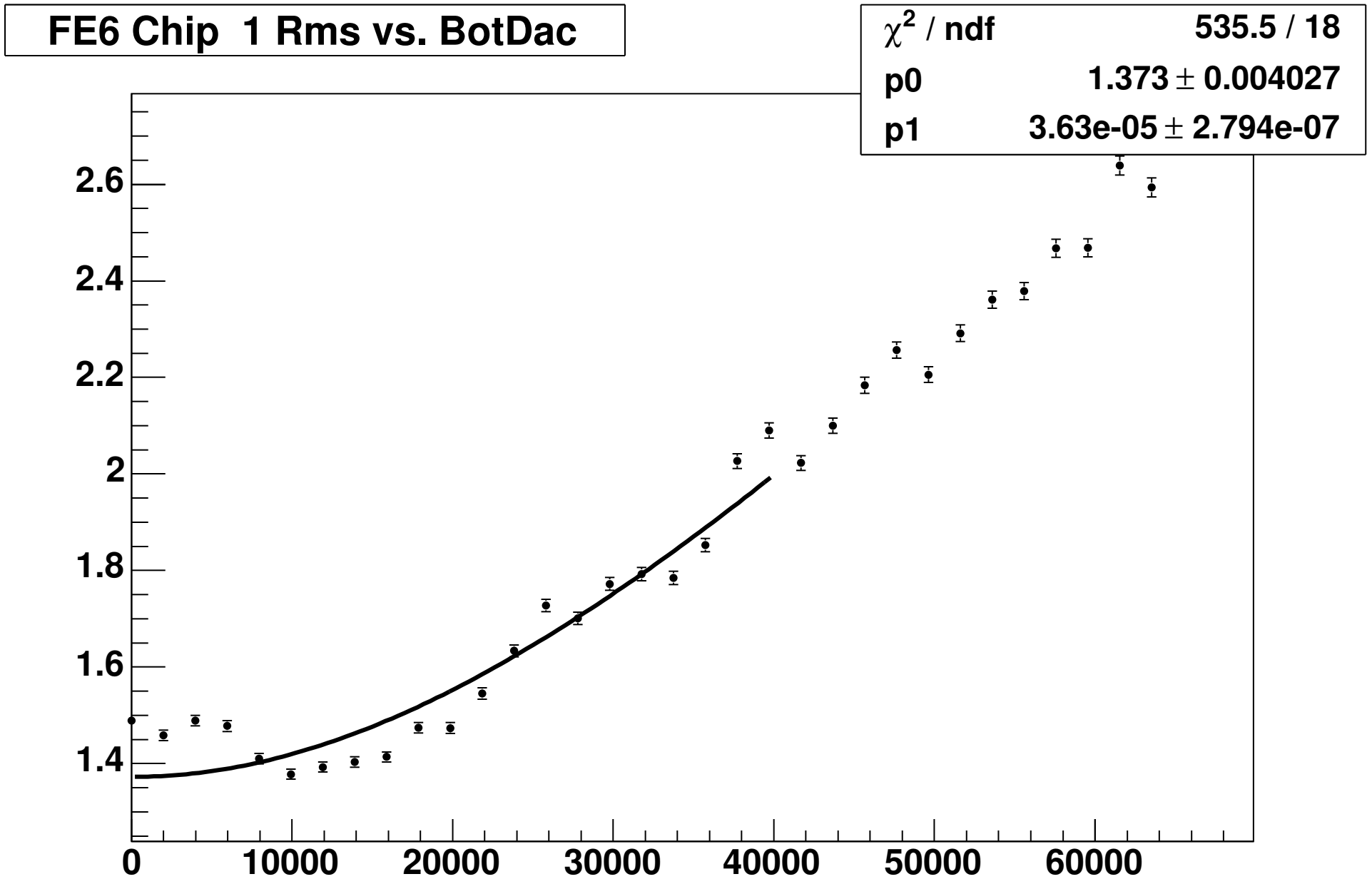
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 43.56 / 18
p0 1.431 ± 0.00241
p1 5.686e-16 ± 2.235e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 6.516e+04 / 18
p0 21.68 ± 0.007408
p1 0.45 ± 3.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 535.5 / 18
p0 1.373 ± 0.004027
p1 3.63e-05 ± 2.794e-07
2.6
2.4
2.2
2
1.8
1.6
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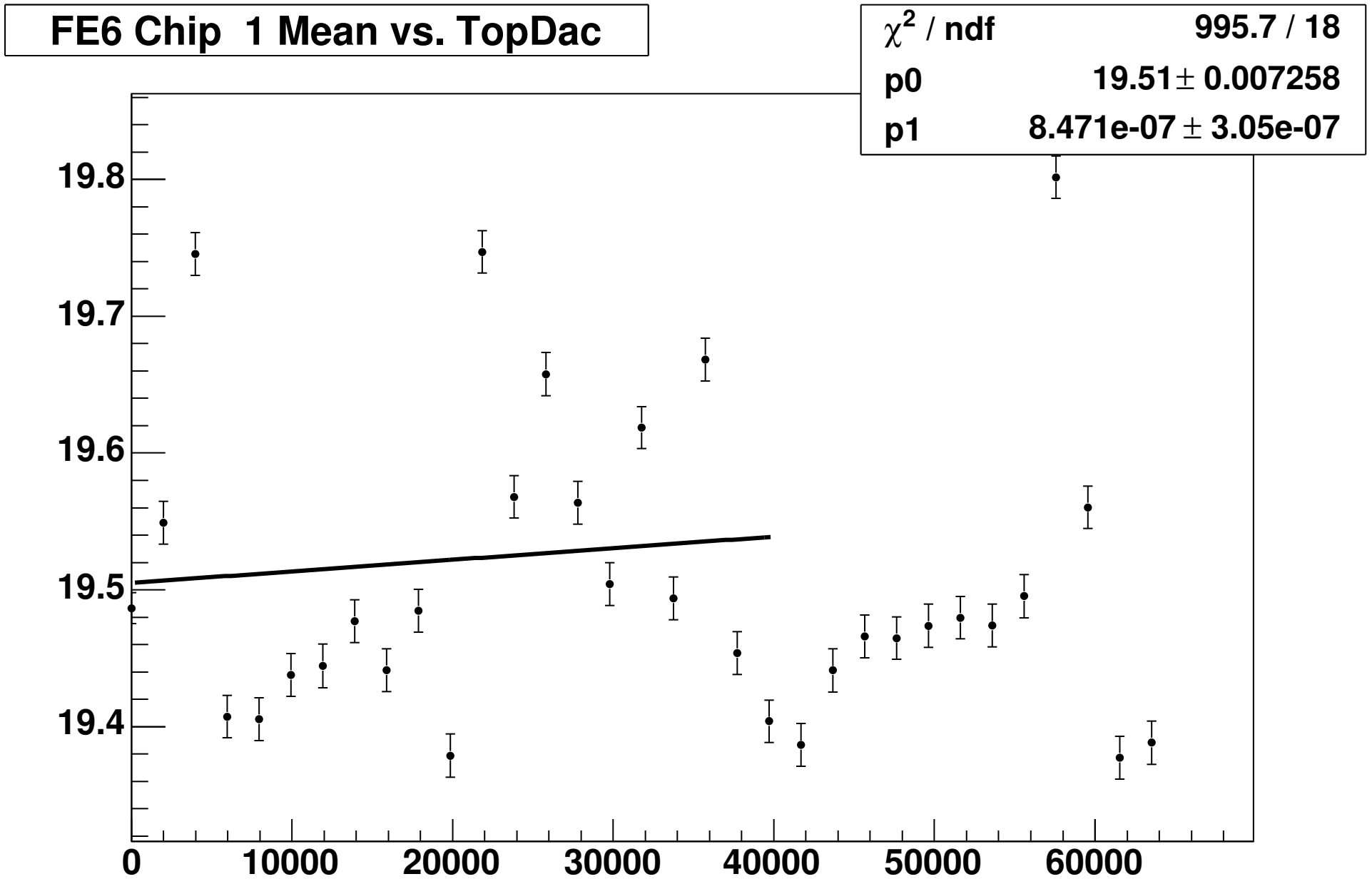
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 995.7 / 18
p0 19.51 ± 0.007258
p1 8.471e-07 ± 3.05e-07
19.8
19.7
19.6
19.5
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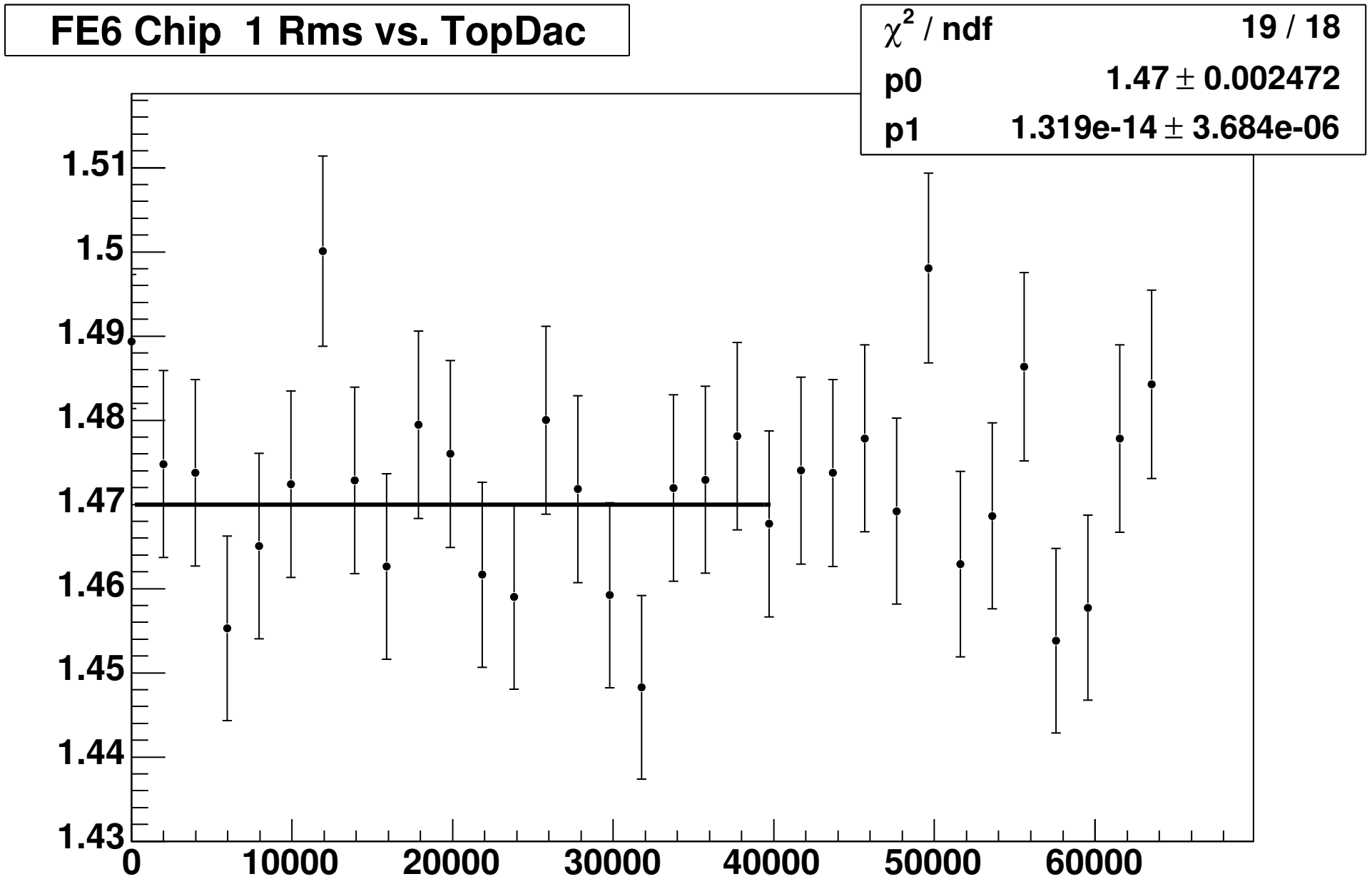
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 19 / 18
p0 1.47 ± 0.002472
p1 1.319e-14 ± 3.684e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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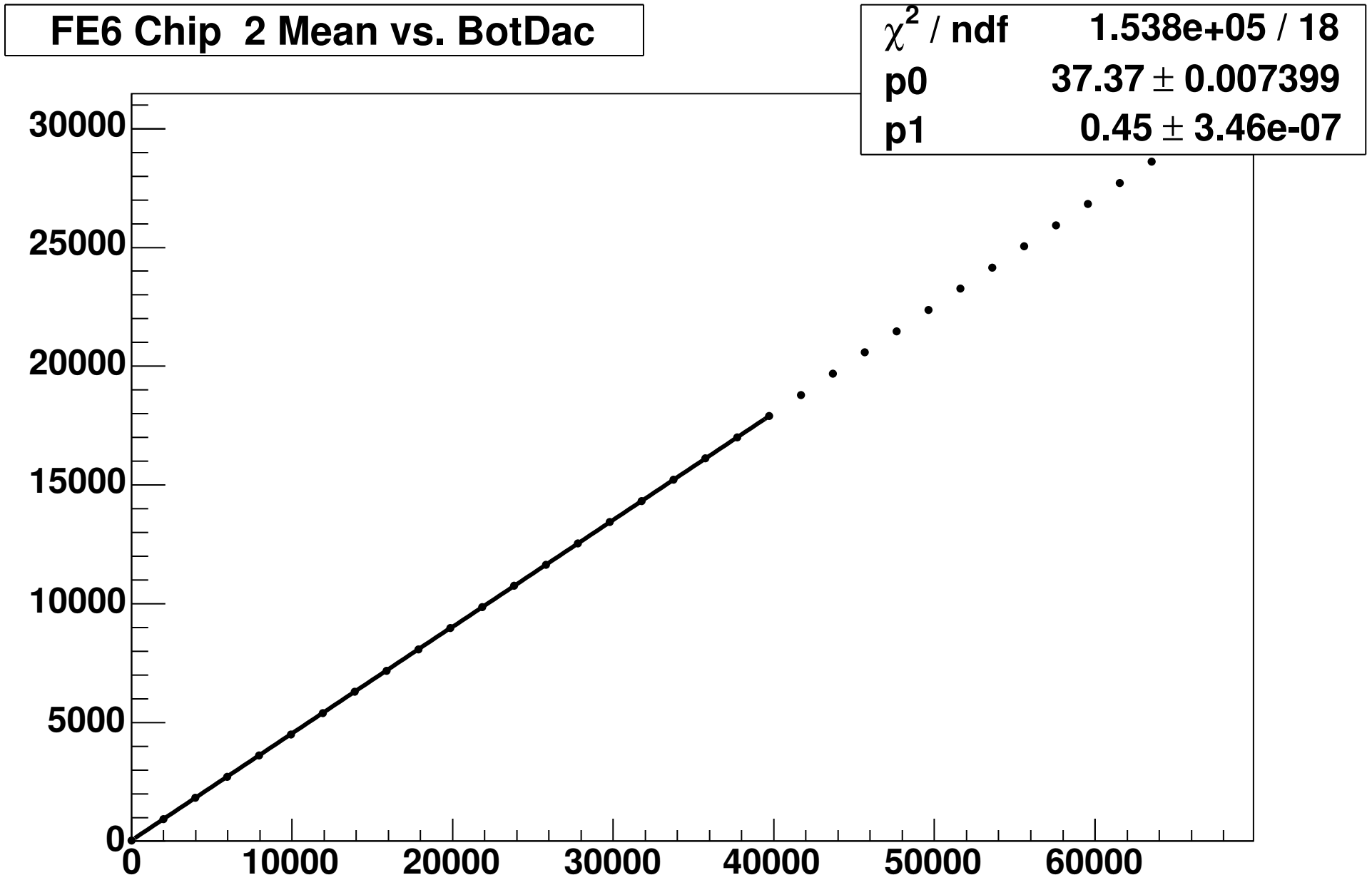
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.538e+05 / 18
p0 37.37 ± 0.007399
p1 0.45 ± 3.46e-07
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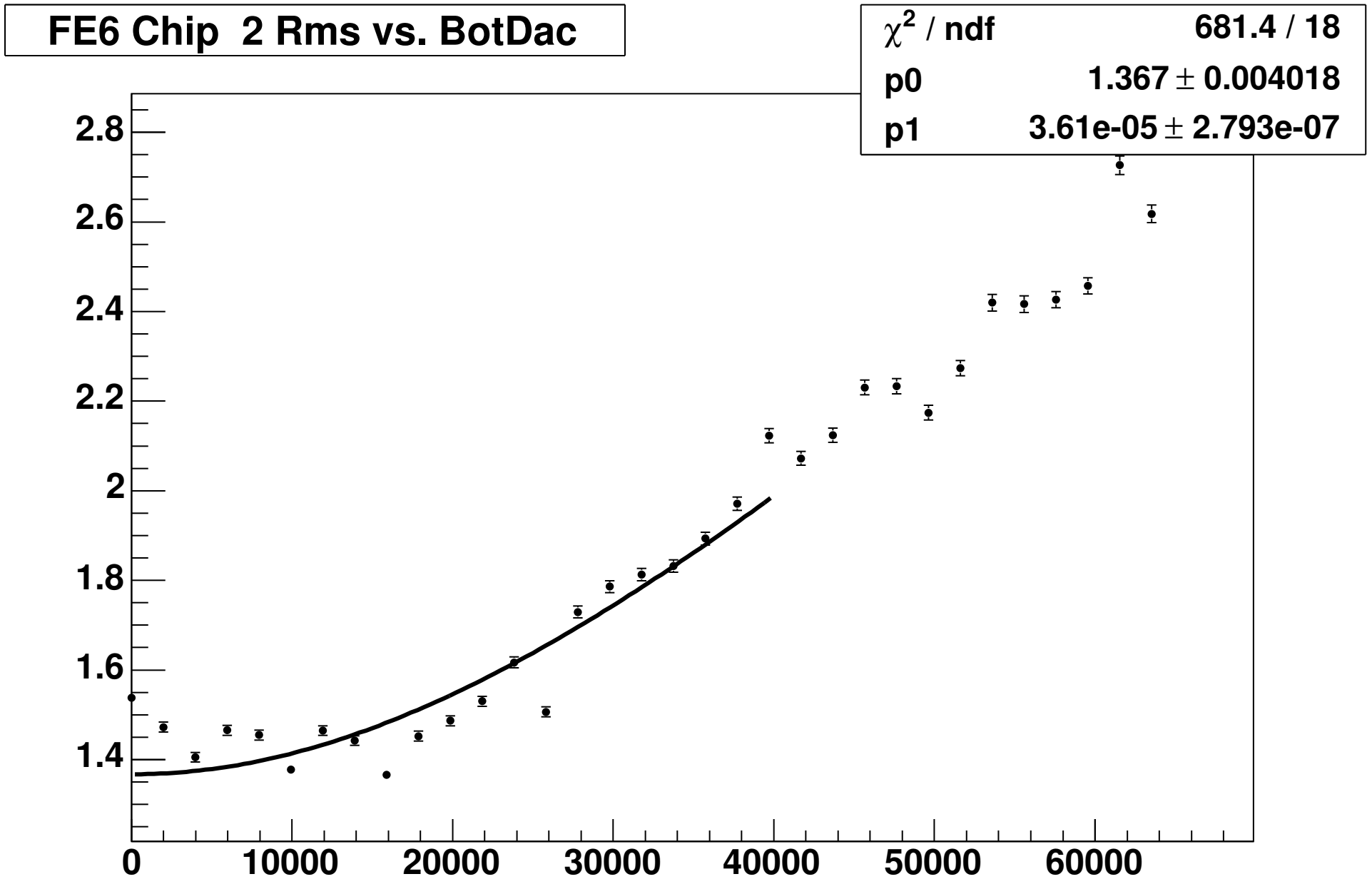
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ^2 / ndf 681.4 / 18
p0 1.367 ± 0.004018
p1 3.61e-05 ± 2.793e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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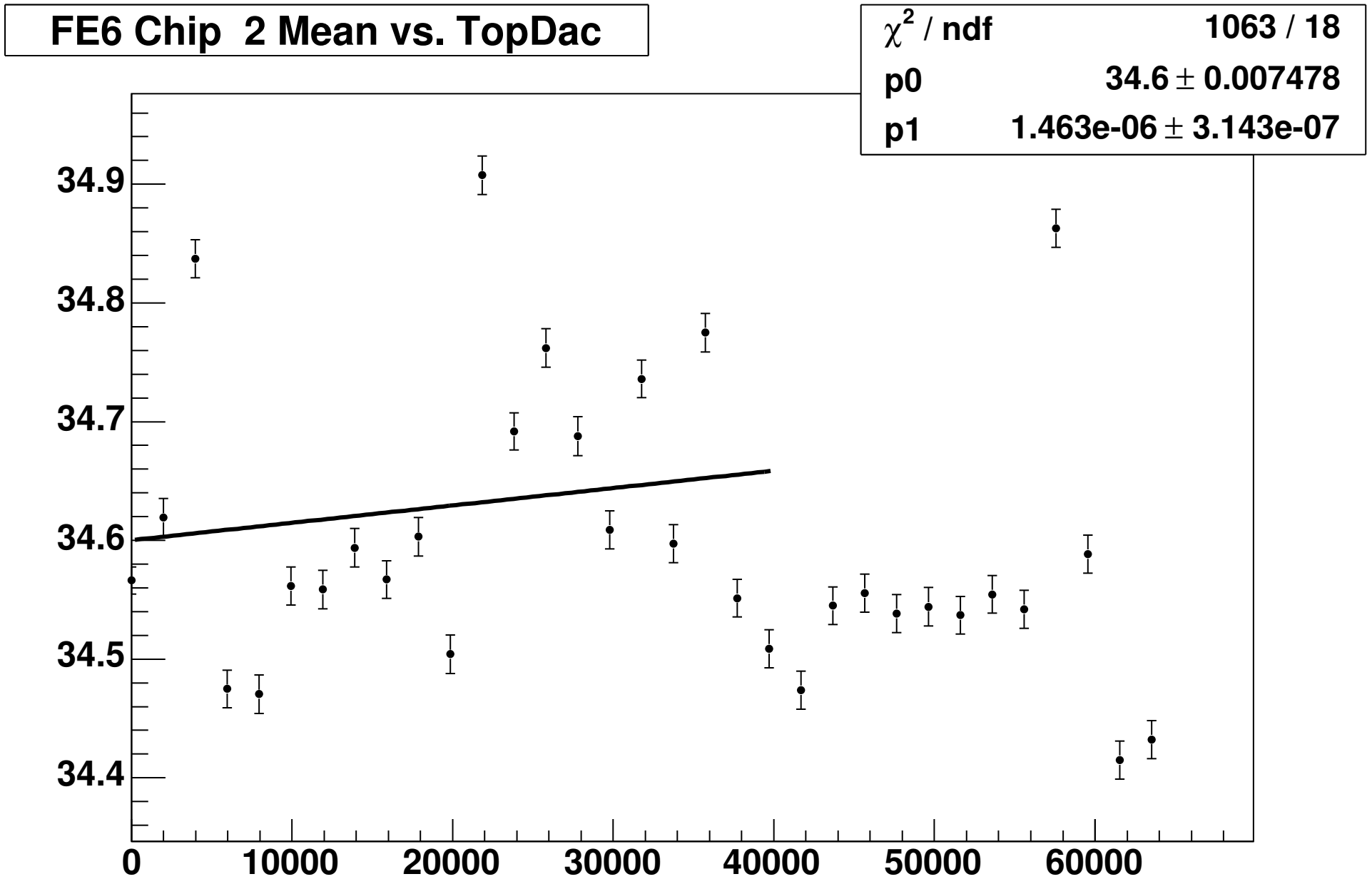
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1063 / 18
p0 34.6 ± 0.007478
p1 1.463e-06 ± 3.143e-07
34.9
34.8
34.7
34.6
34.5
34.4
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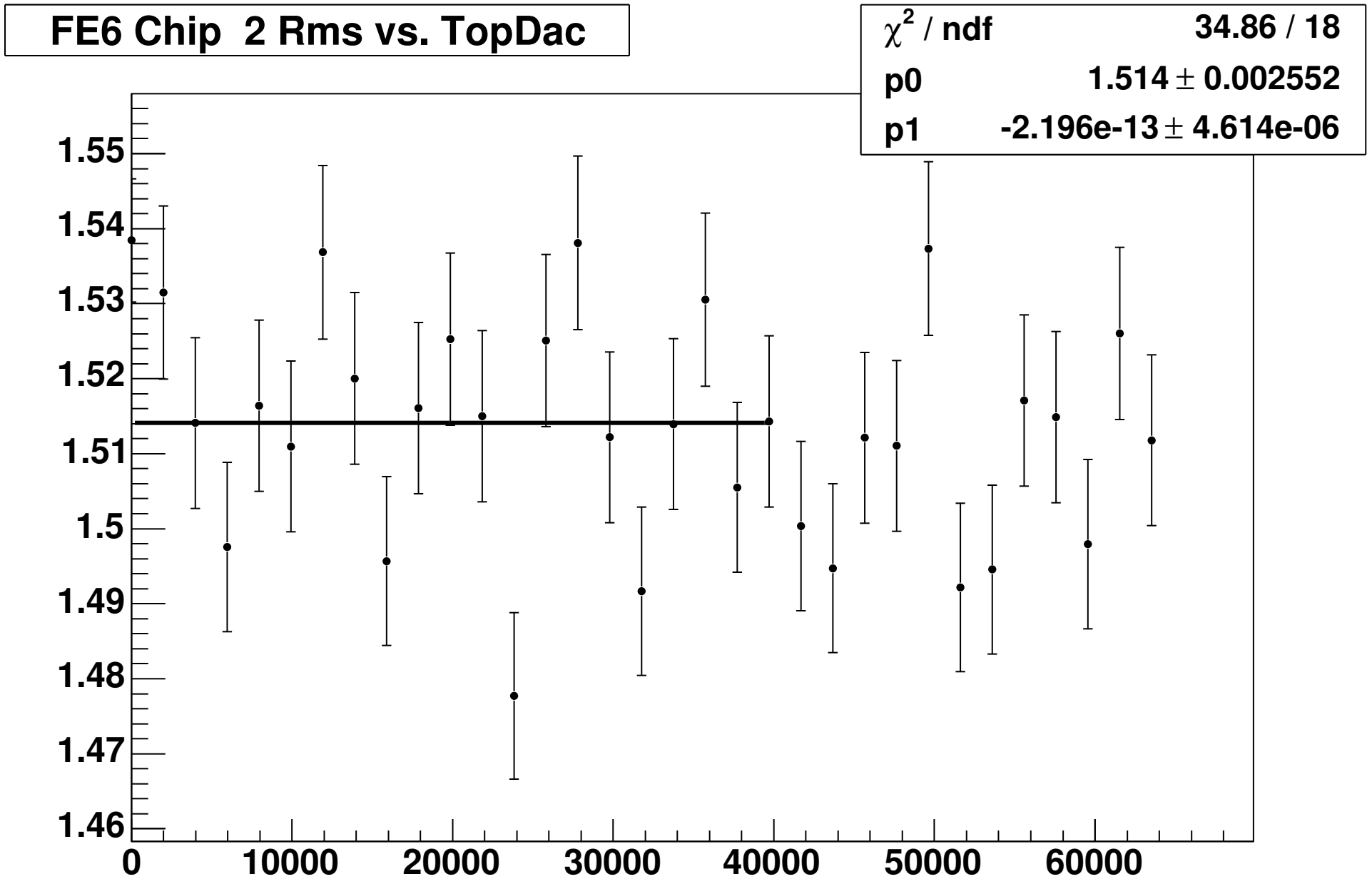
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 34.86 / 18
p0 1.514 ± 0.002552
p1 -2.196e-13 ± 4.614e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
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10000
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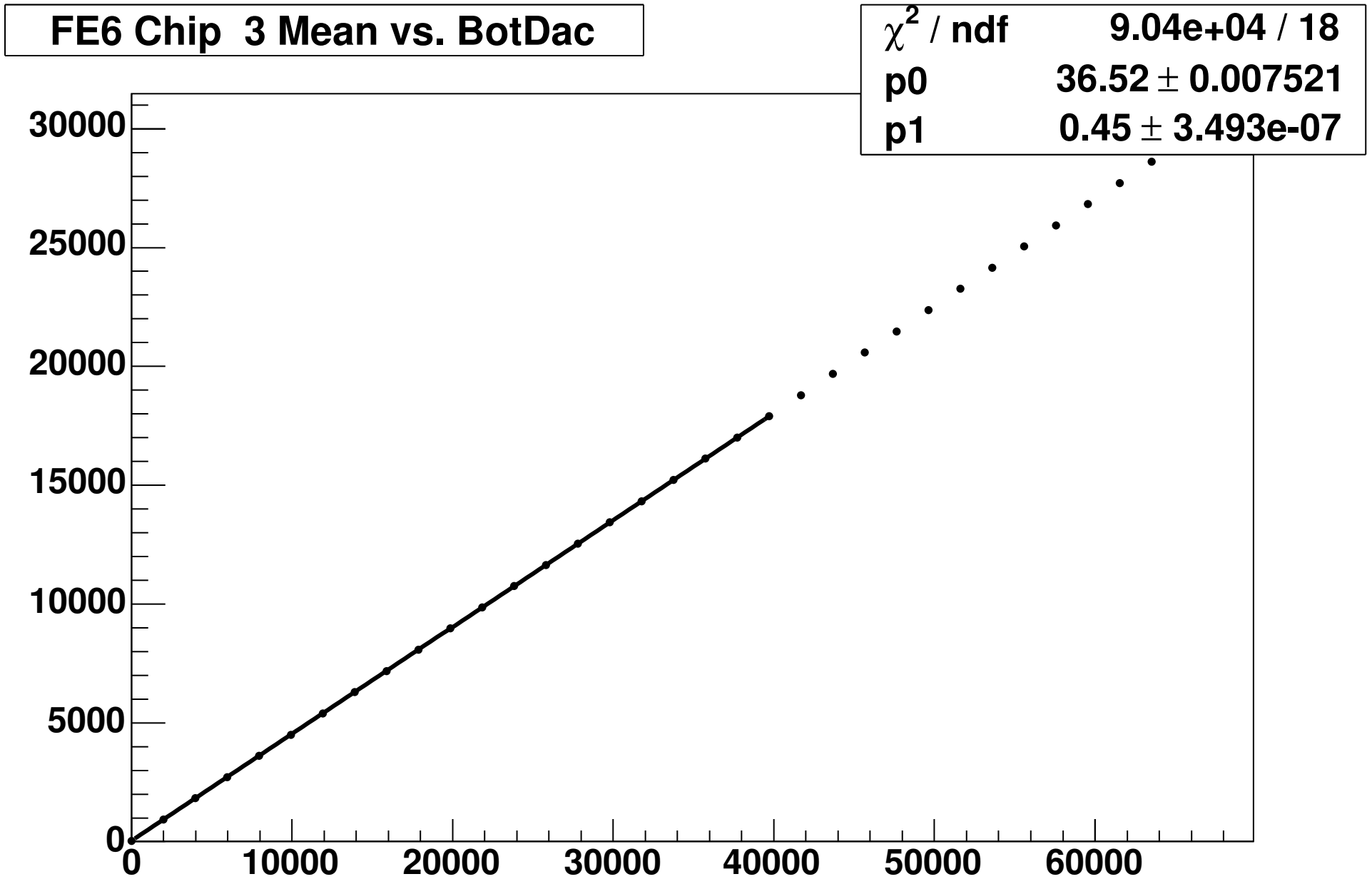
FE6 Chip 3 Mean vs. BotDac
χ^2 / ndf 9.04e+04 / 18
p0 36.52 ± 0.007521
p1 0.45 ± 3.493e-07
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10000
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0
0
10000
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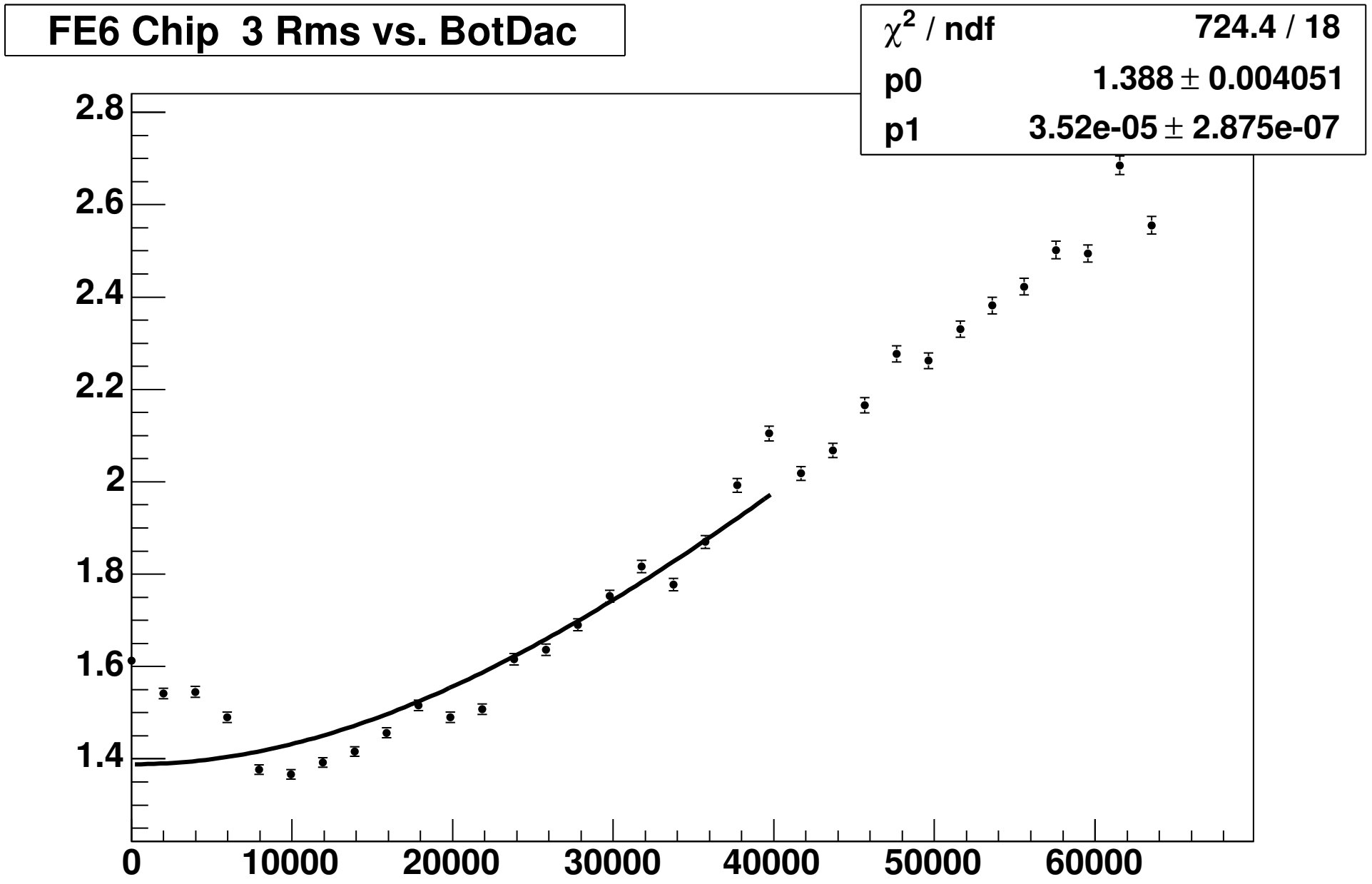
FE6 Chip 3 Rms vs. BotDac
χ² / ndf 724.4 / 18
p0 1.388 ± 0.004051
p1 3.52e-05 ± 2.875e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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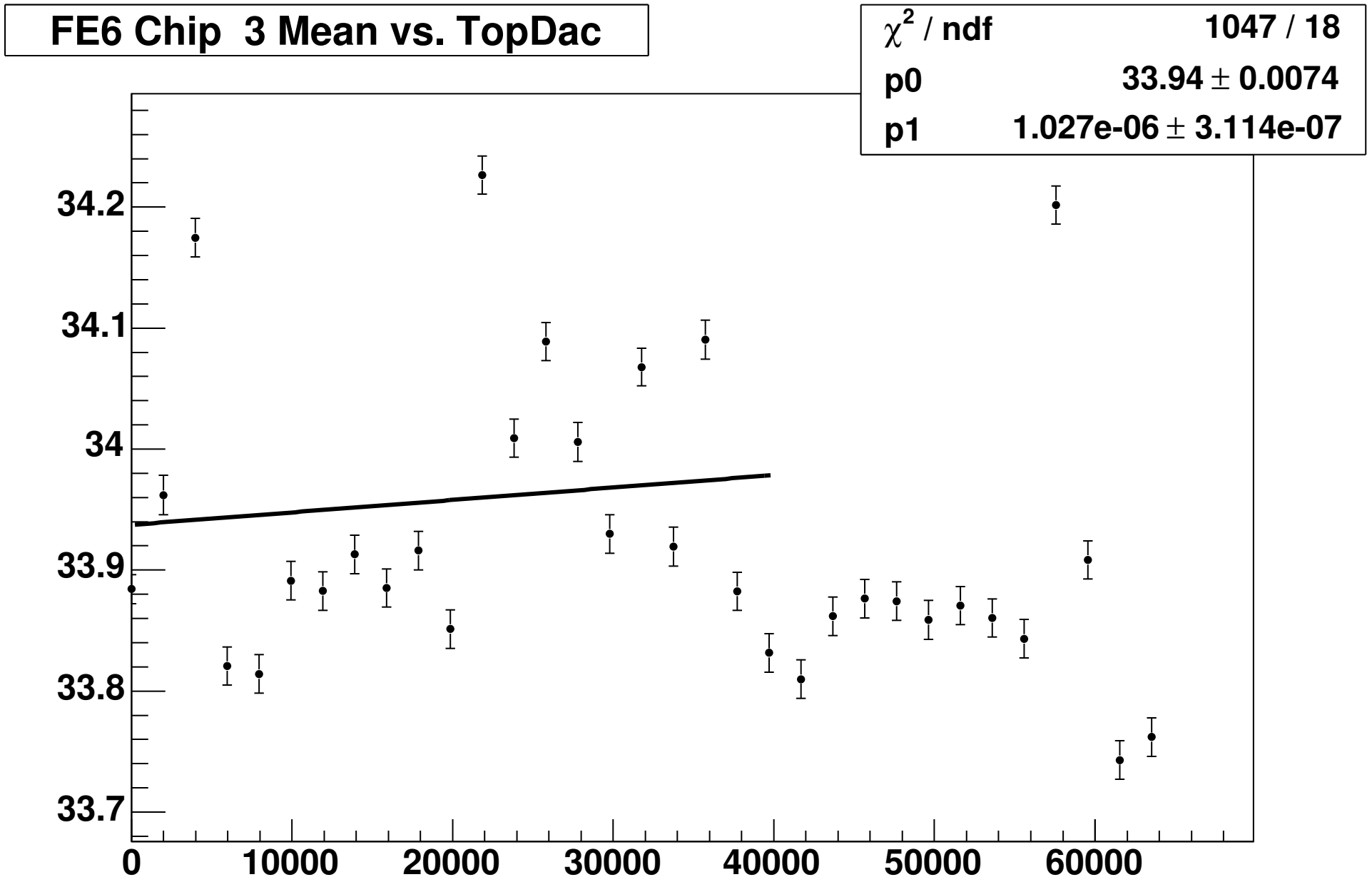
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 1047 / 18
p0 33.94 ± 0.0074
p1 1.027e-06 ± 3.114e-07
34.2
34.1
34
33.9
33.8
33.7
0
10000
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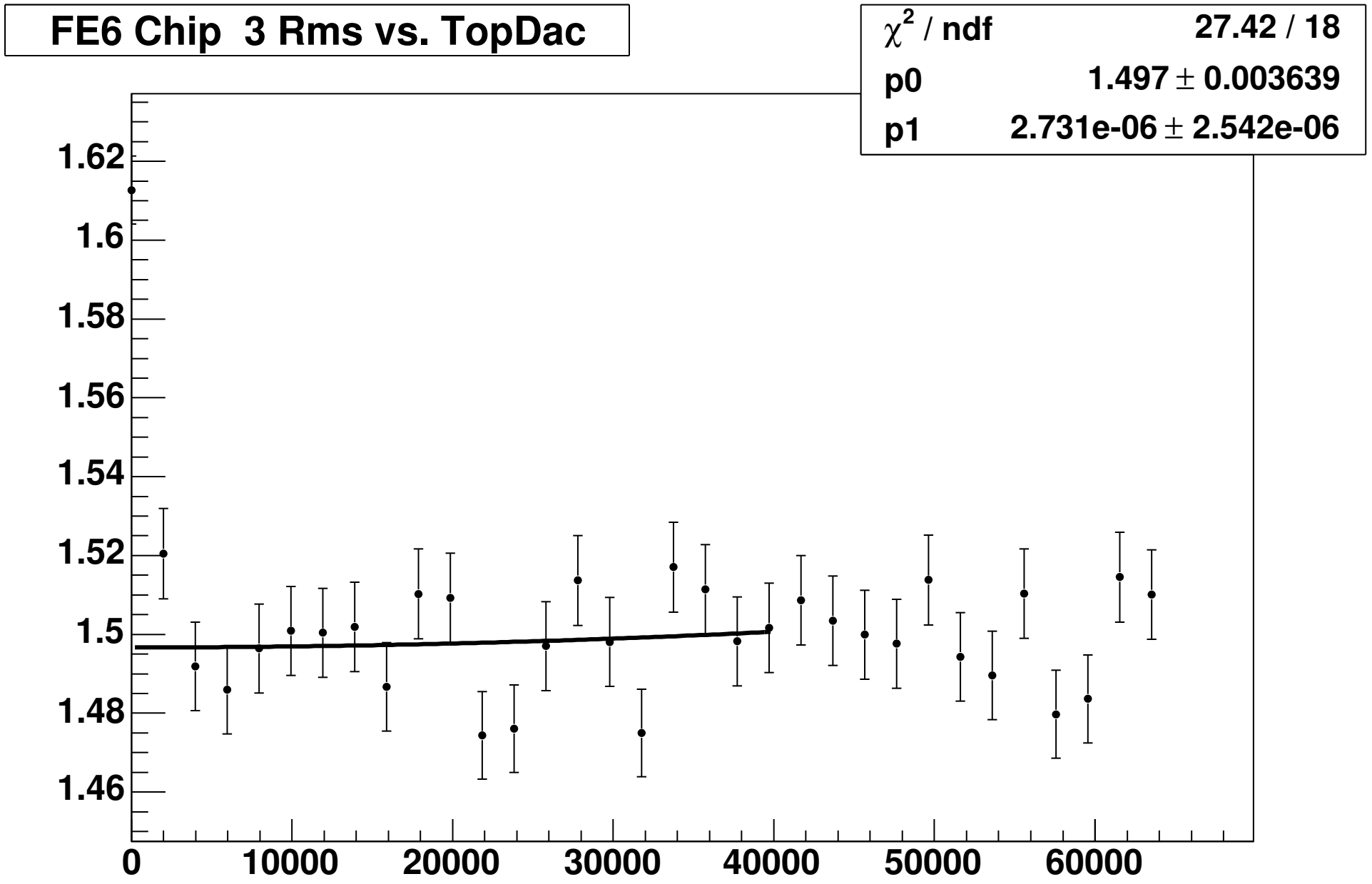
40000
50000
60000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 27.42 / 18
p0 1.497 ± 0.003639
p1 2.731e-06 ± 2.542e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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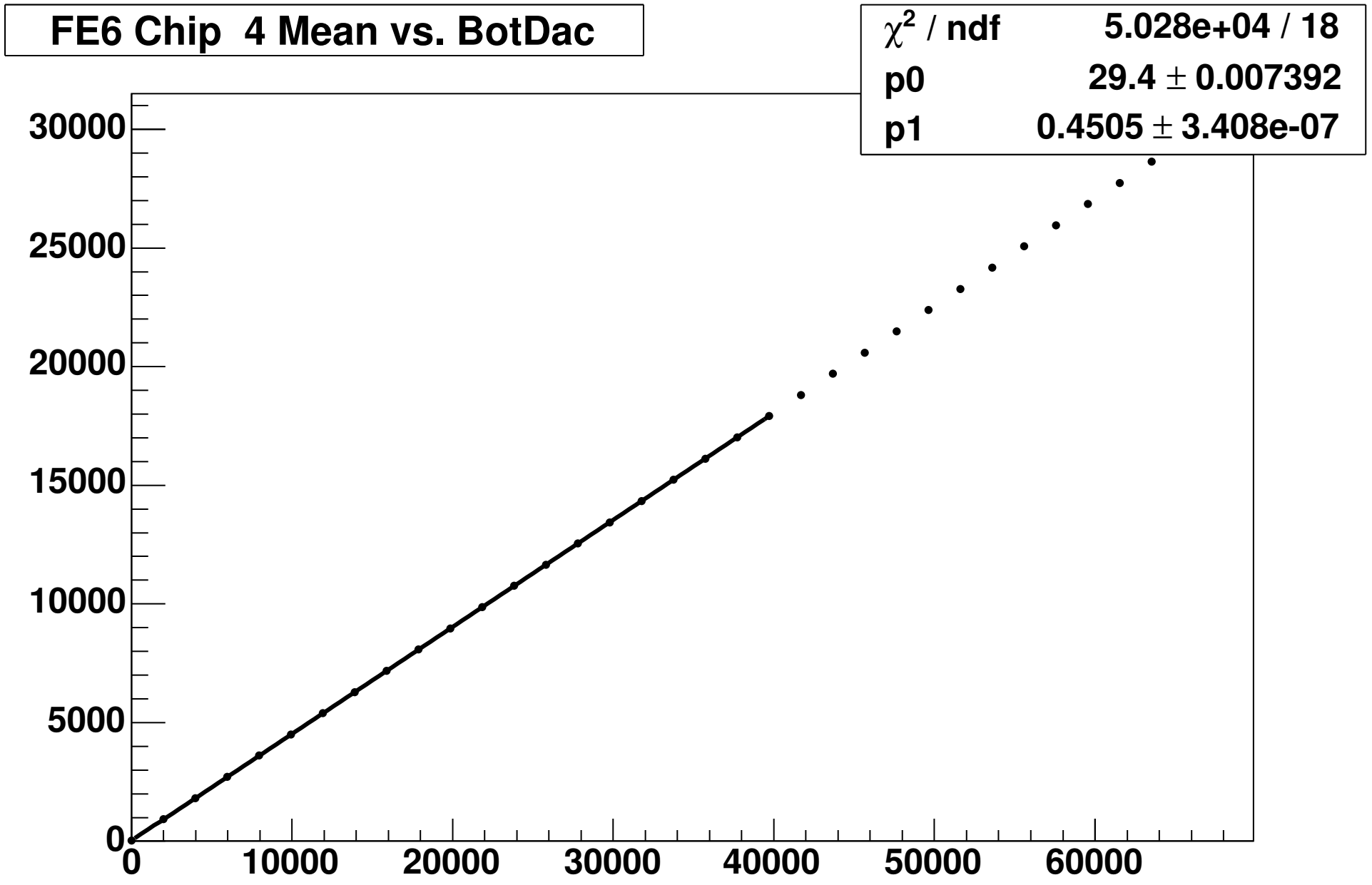
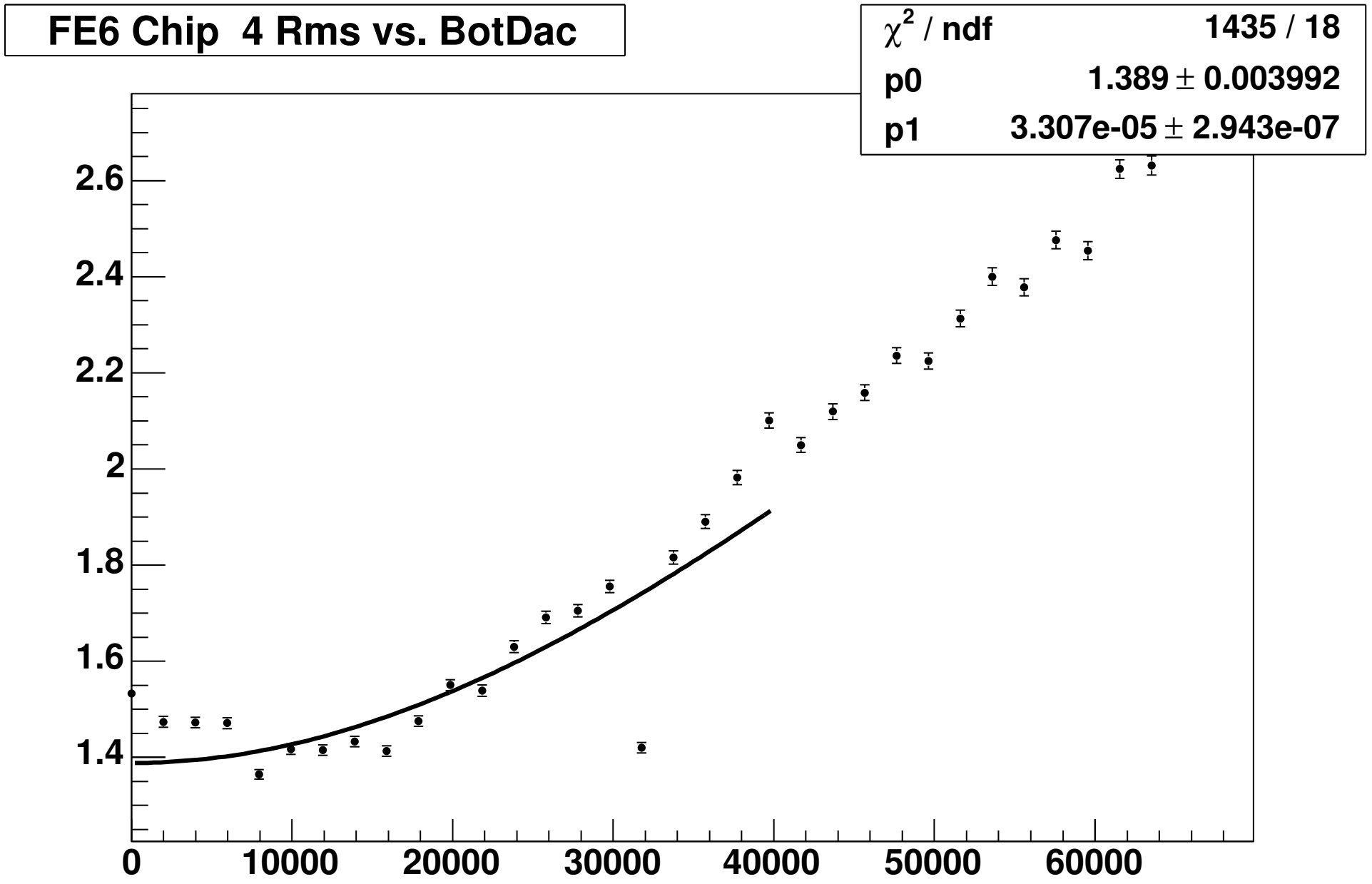
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 5.028e+04 / 18
p0 29.4 ± 0.007392
p1 0.4505 ± 3.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1435 / 18
p0 1.389 ± 0.003992
p1 3.307e-05 ± 2.943e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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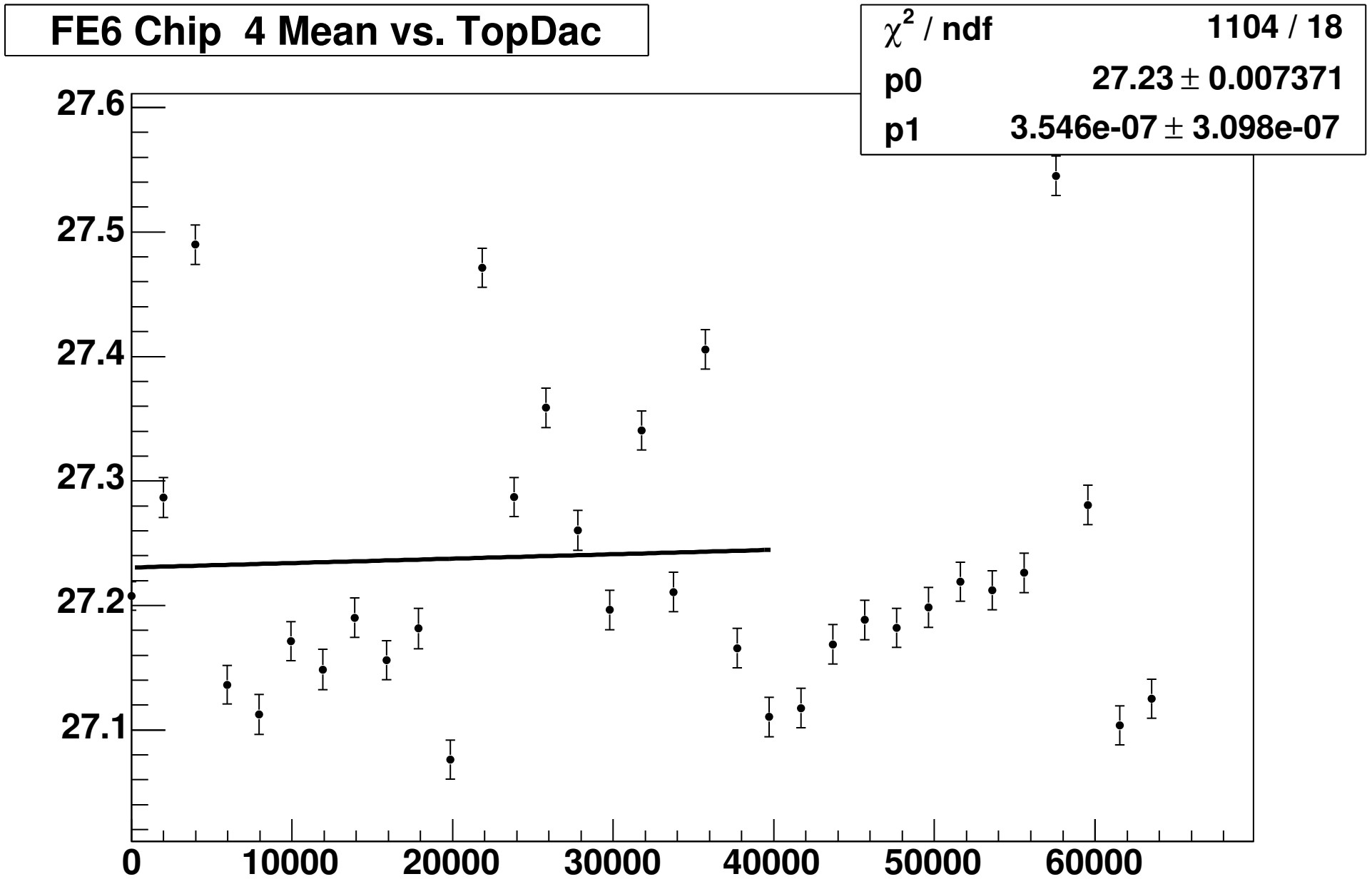
50000
60000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 1104 / 18
p0 27.23 ± 0.007371
p1 3.546e-07 ± 3.098e-07
27.6
27.5
27.4
27.3
27.2
27.1
0
10000
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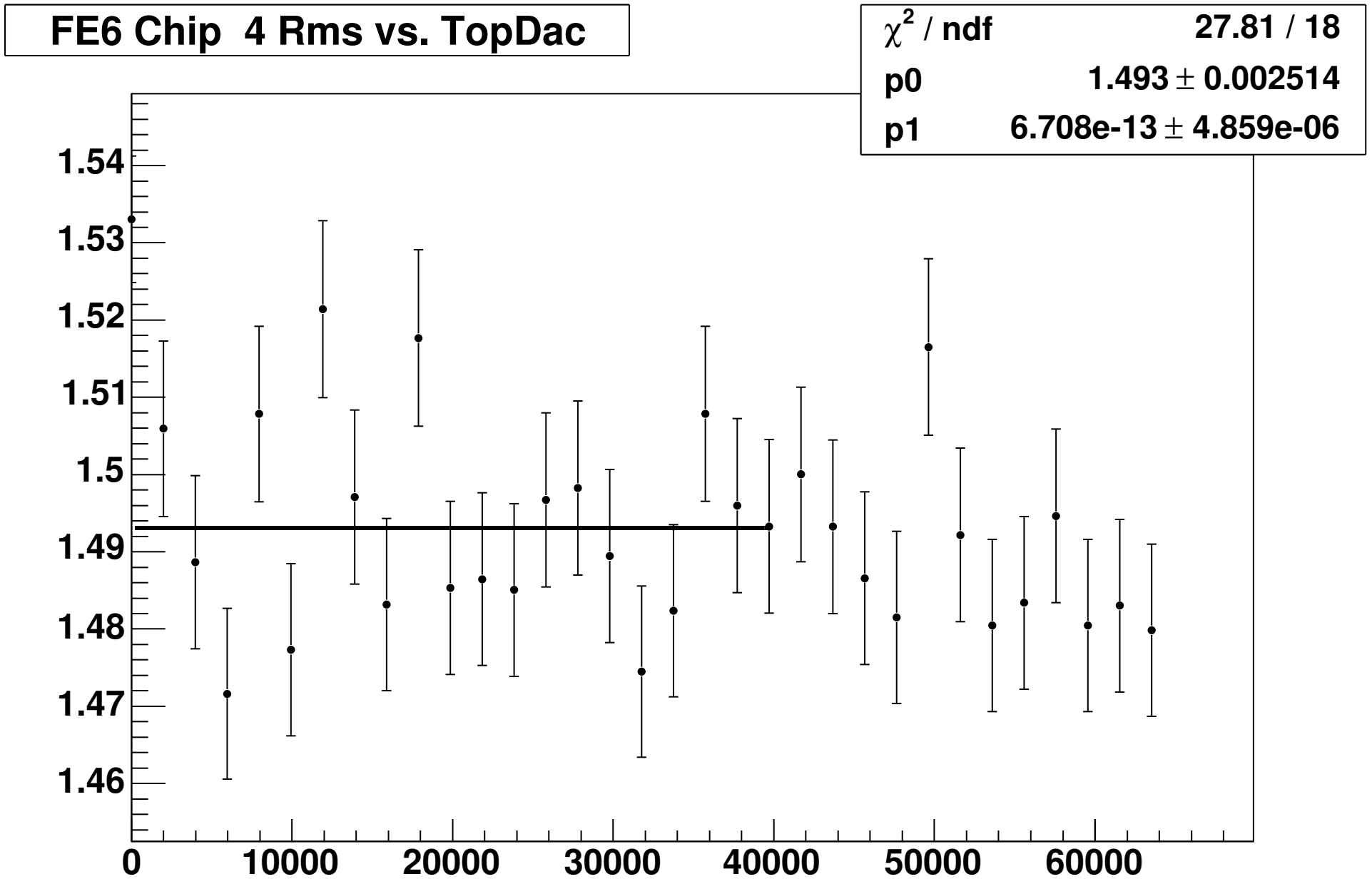
FE6 Chip 4 Rms vs. TopDac
χ^2 / ndf 27.81 / 18
p0 1.493 ± 0.002514
p1 6.708e-13 ± 4.859e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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40000
50000
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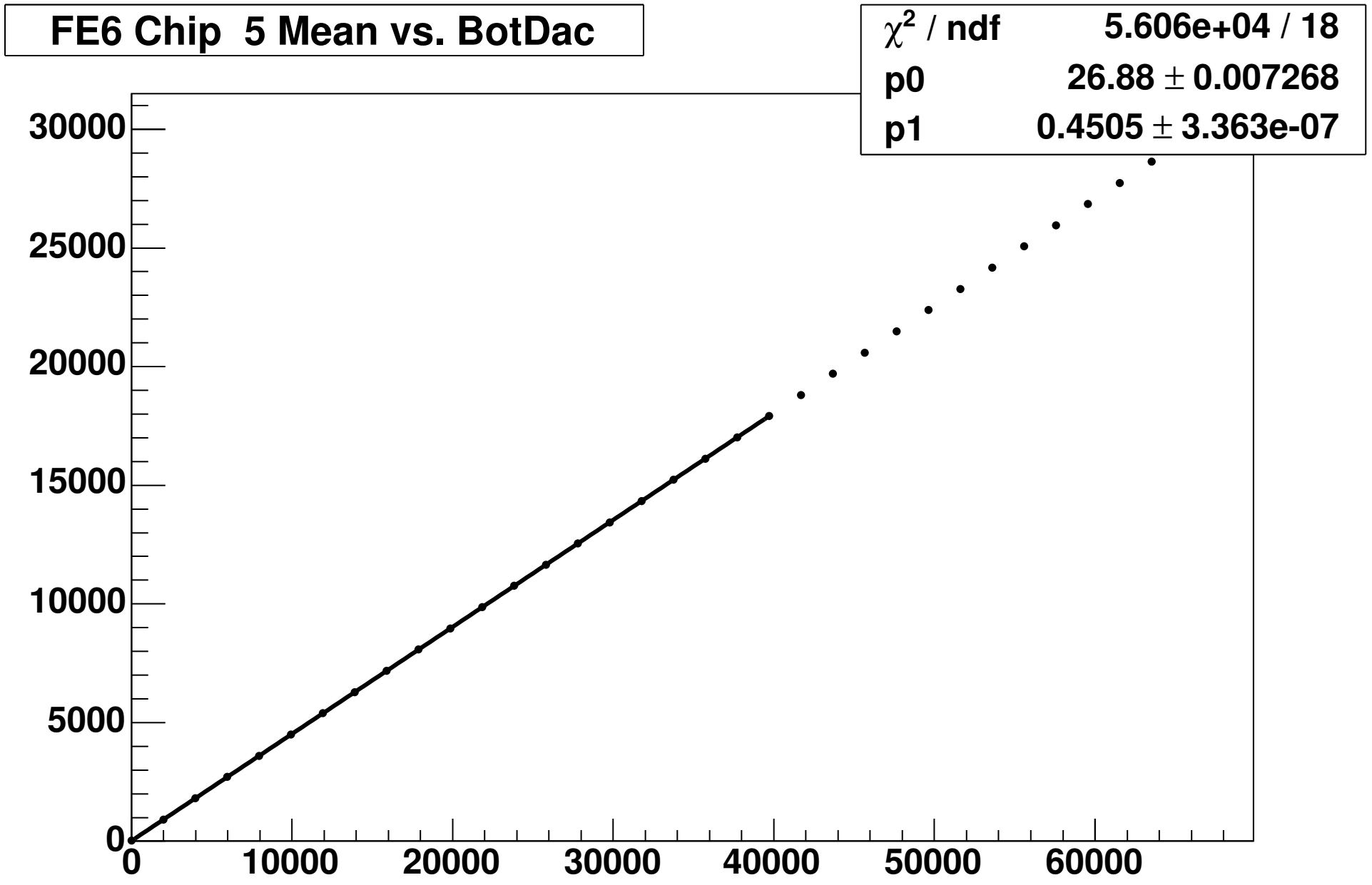
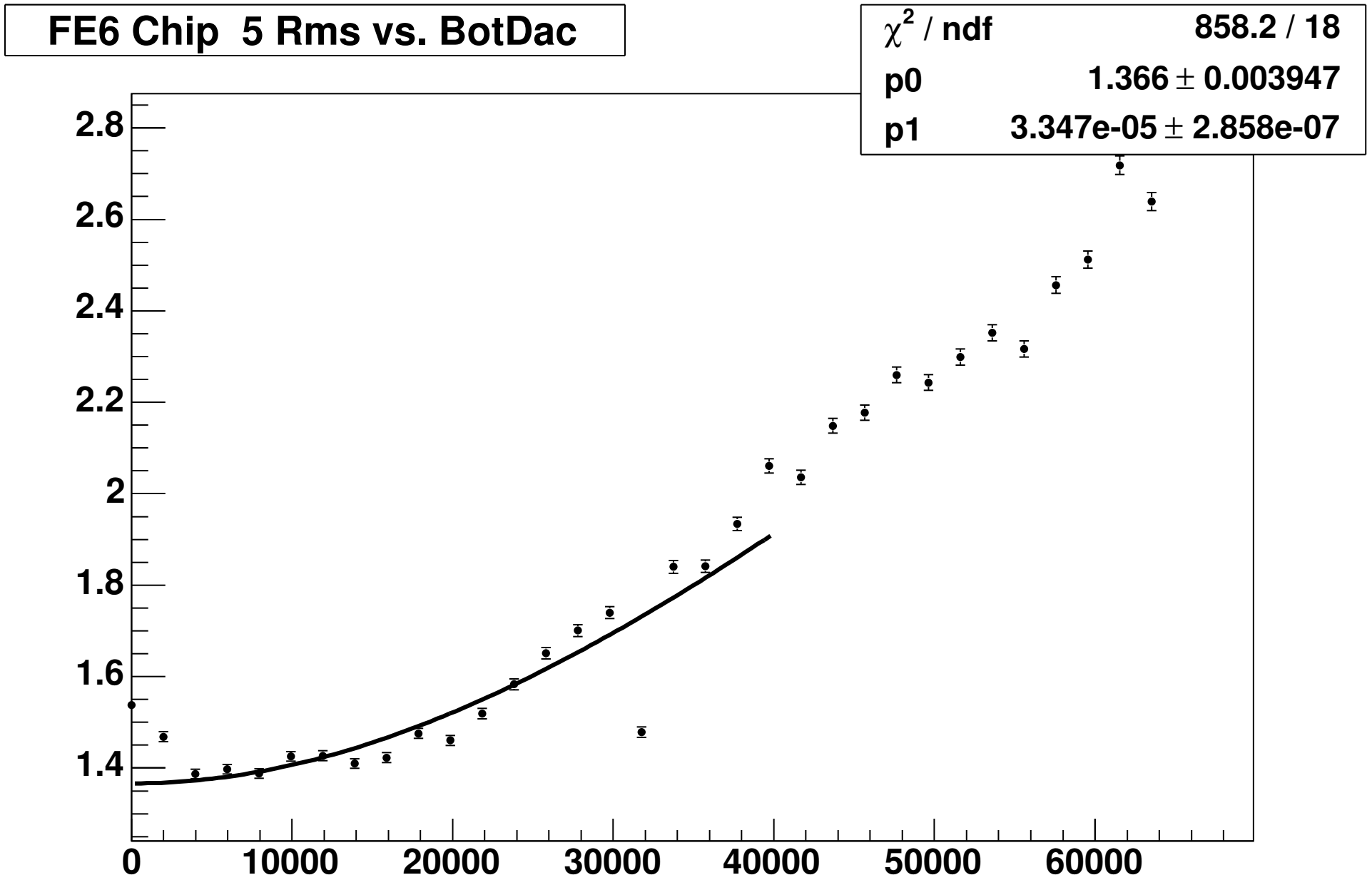

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 5.606e+04 / 18
p0 26.88 ± 0.007268
p1 0.4505 ± 3.363e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 858.2 / 18
p0 1.366 ± 0.003947
p1 3.347e-05 ± 2.858e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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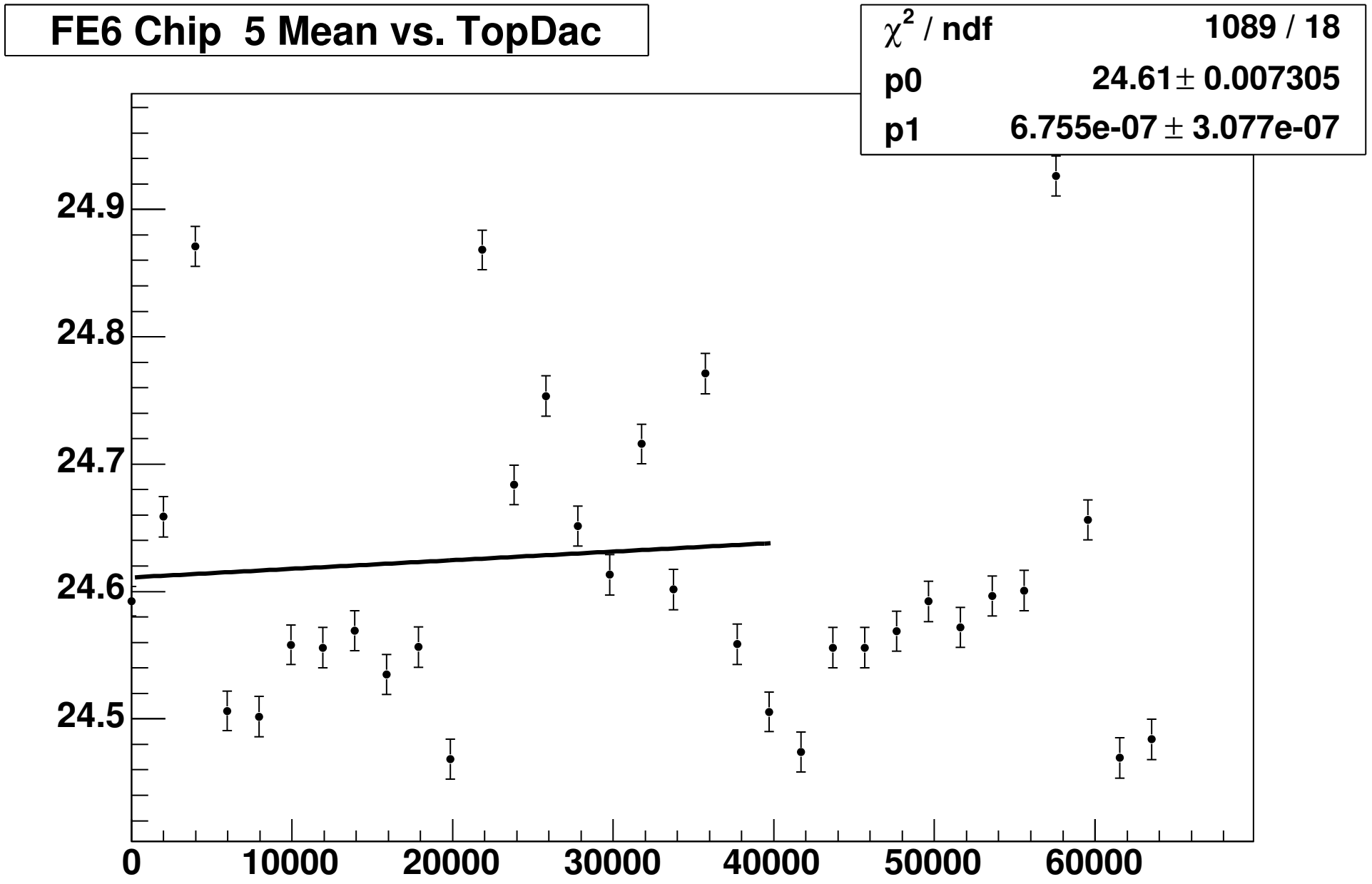
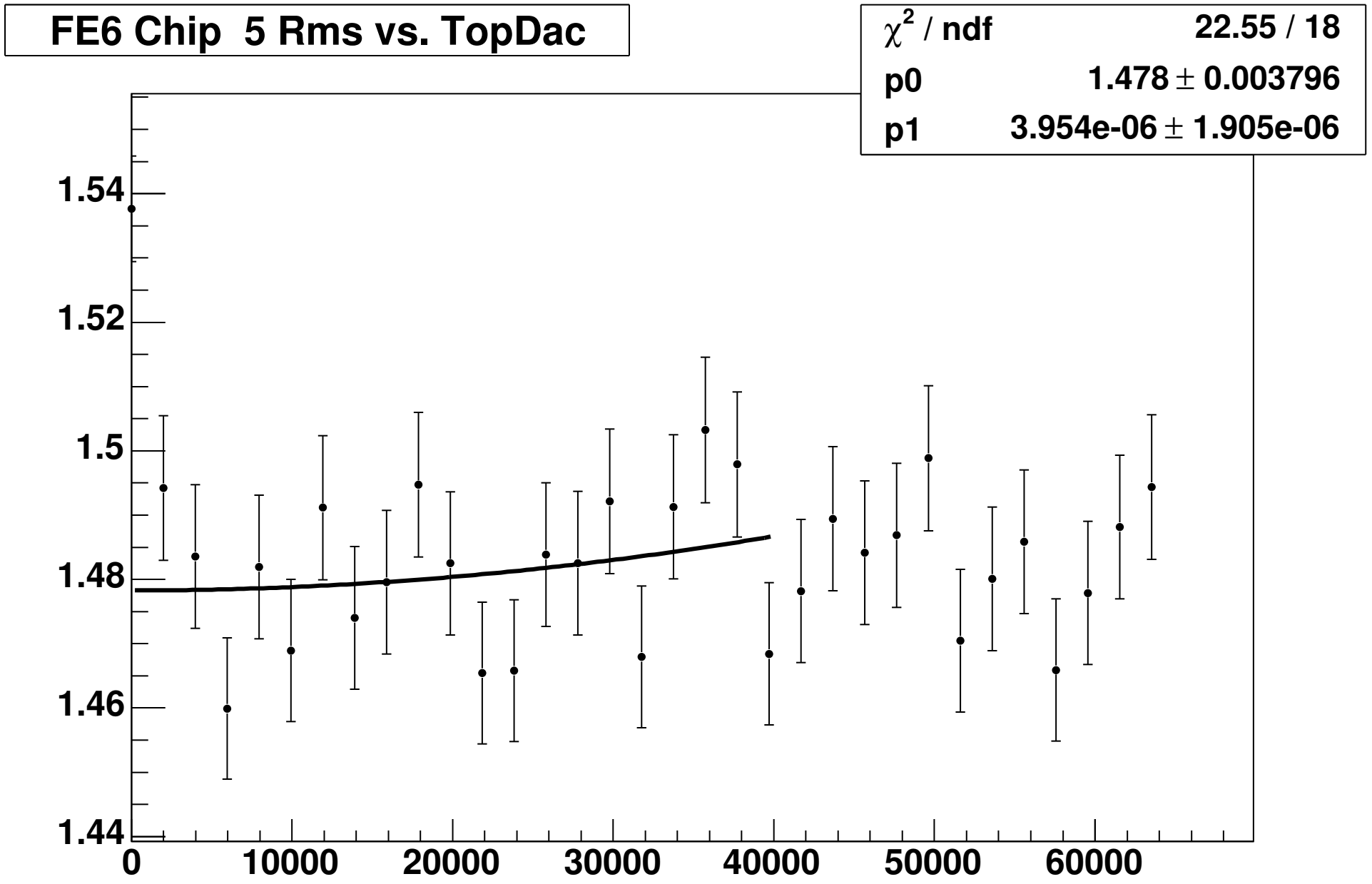
50000
60000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 1089 / 18
p0 24.61 ± 0.007305
p1 6.755e-07 ± 3.077e-07
24.9
24.8
24.7
24.6
24.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 22.55 / 18
p0 1.478 ± 0.003796
p1 3.954e-06 ± 1.905e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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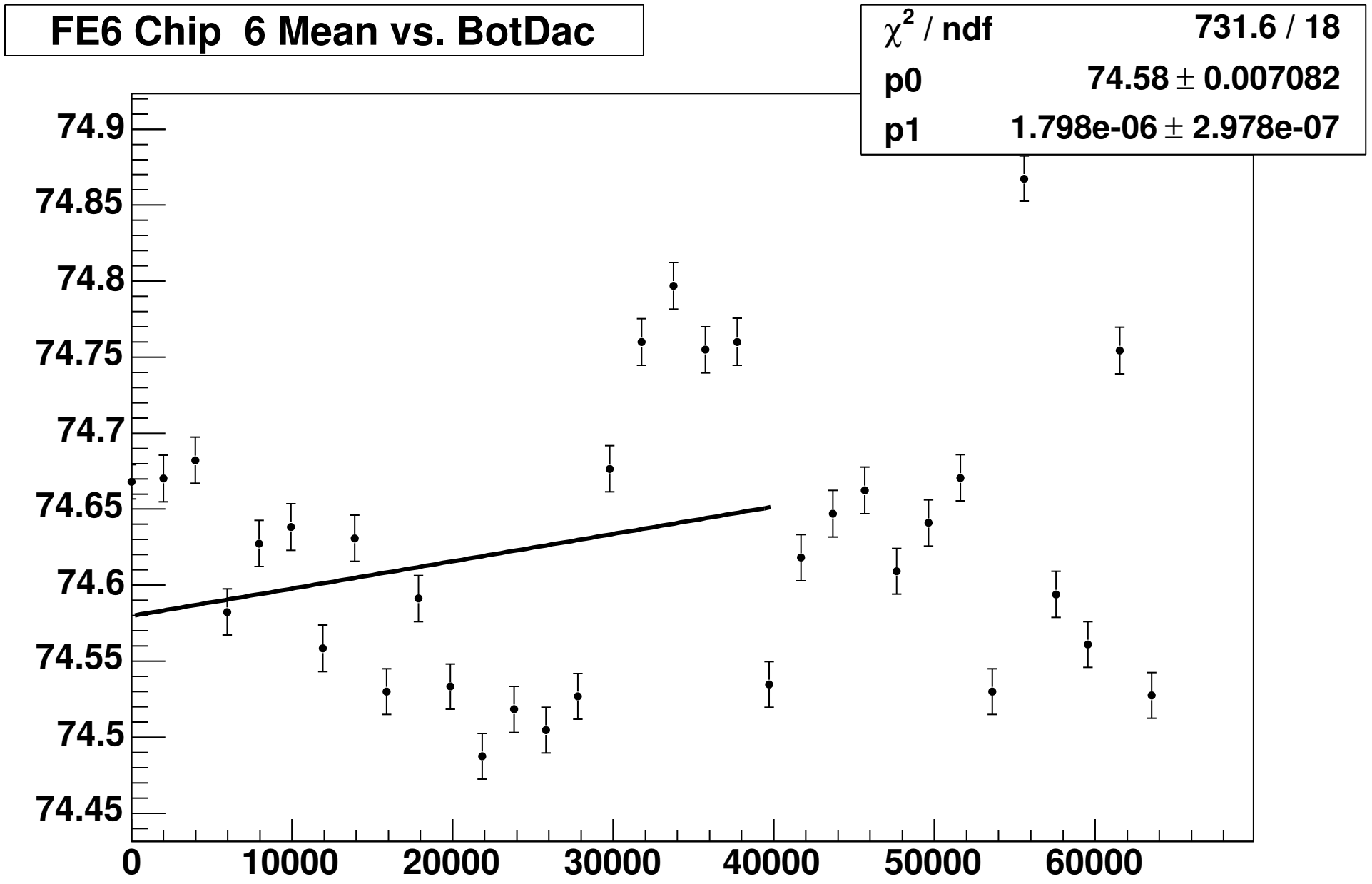
30000
40000
50000
60000


FE6 Chip 6 Mean vs. BotDac
χ^2 / ndf 731.6 / 18
p0 74.58 ± 0.007082
p1 1.798e-06 ± 2.978e-07
74.9
74.85
74.8
74.75
74.7
74.65
74.6
74.55
74.5
74.45
0
10000
20000
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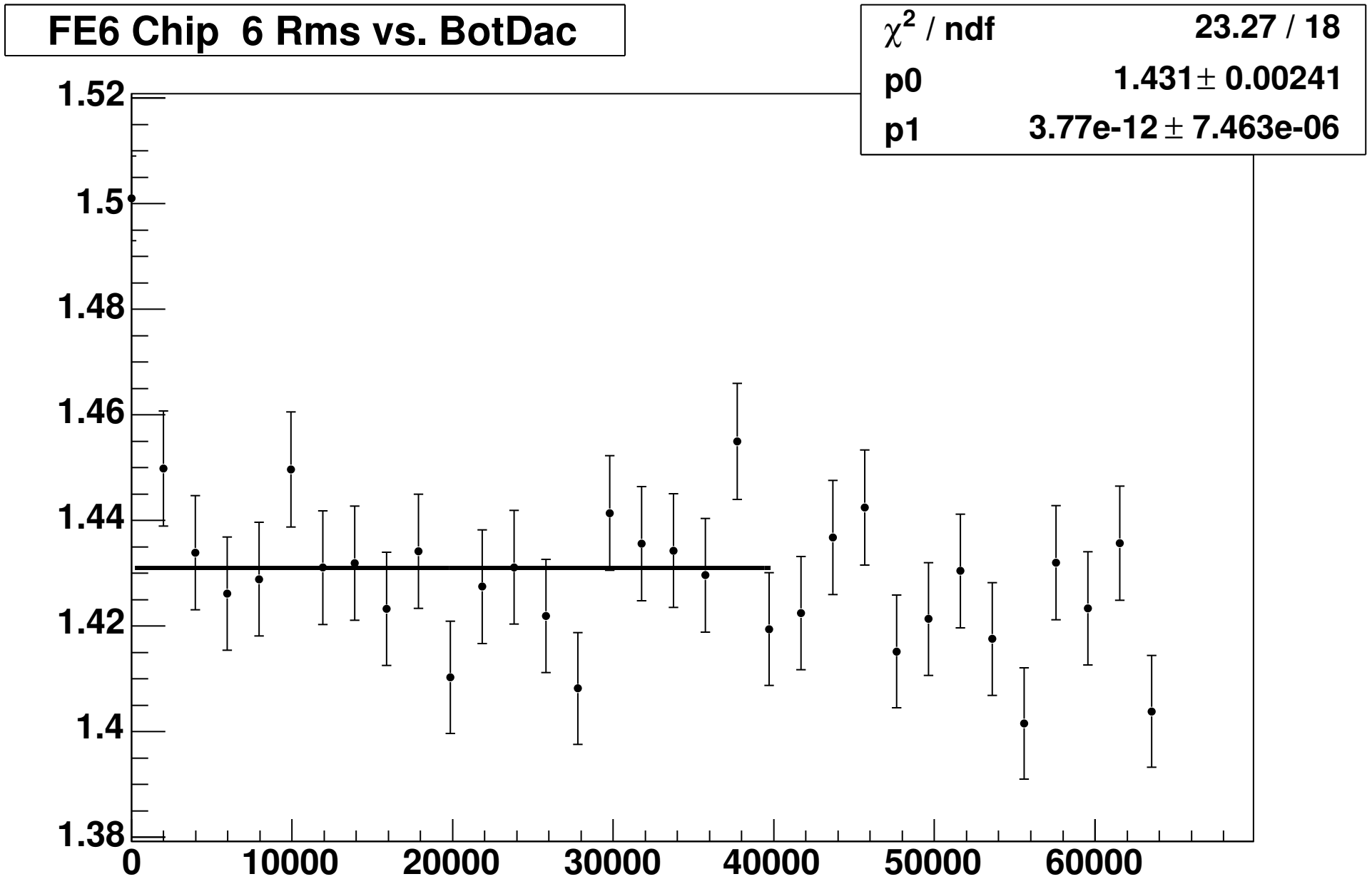
50000
60000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 23.27 / 18
p0 1.431 ± 0.00241
p1 3.77e-12 ± 7.463e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
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30000
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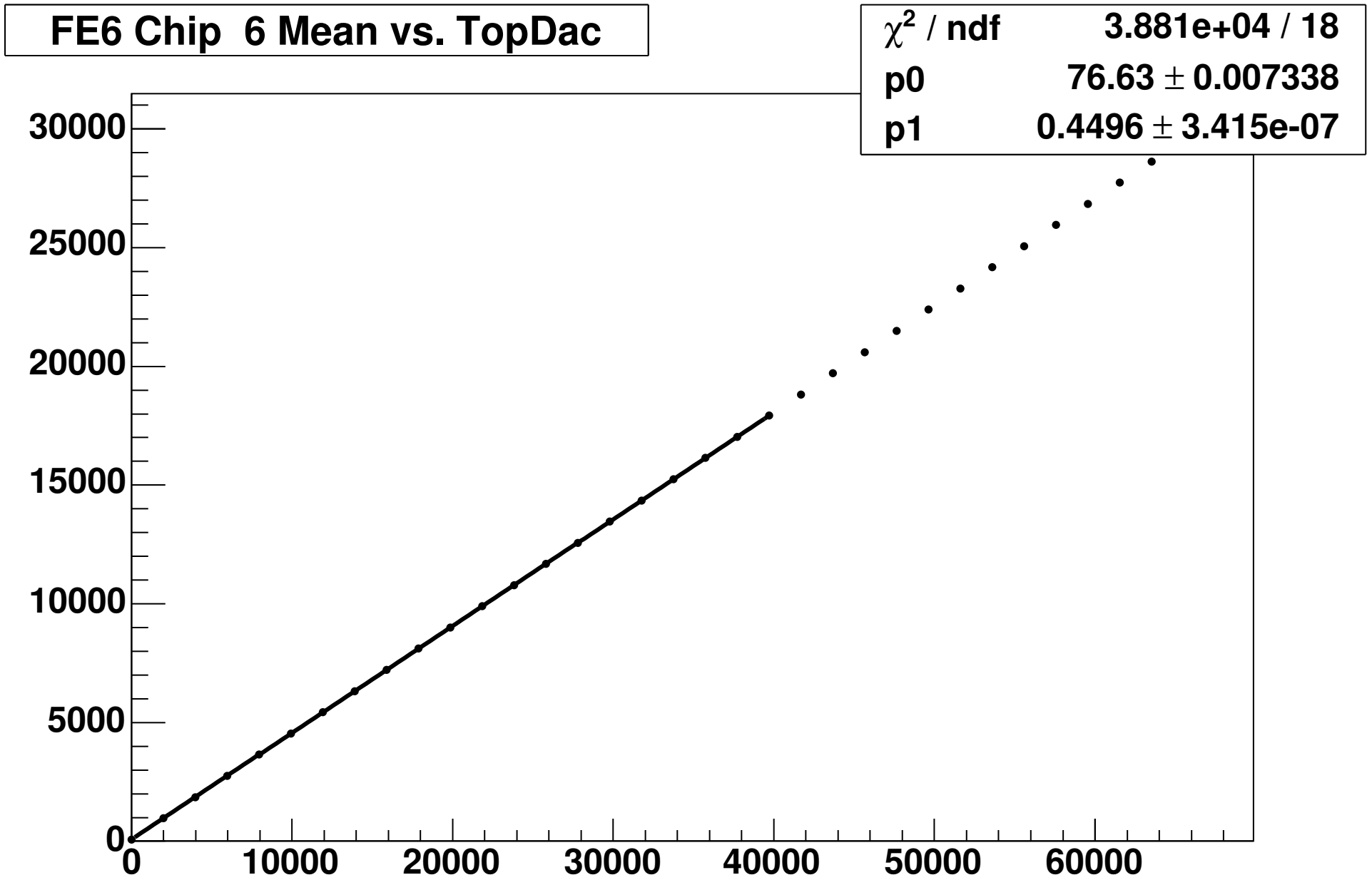
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 3.881e+04 / 18
p0 76.63 ± 0.007338
p1 0.4496 ± 3.415e-07
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25000
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10000
20000
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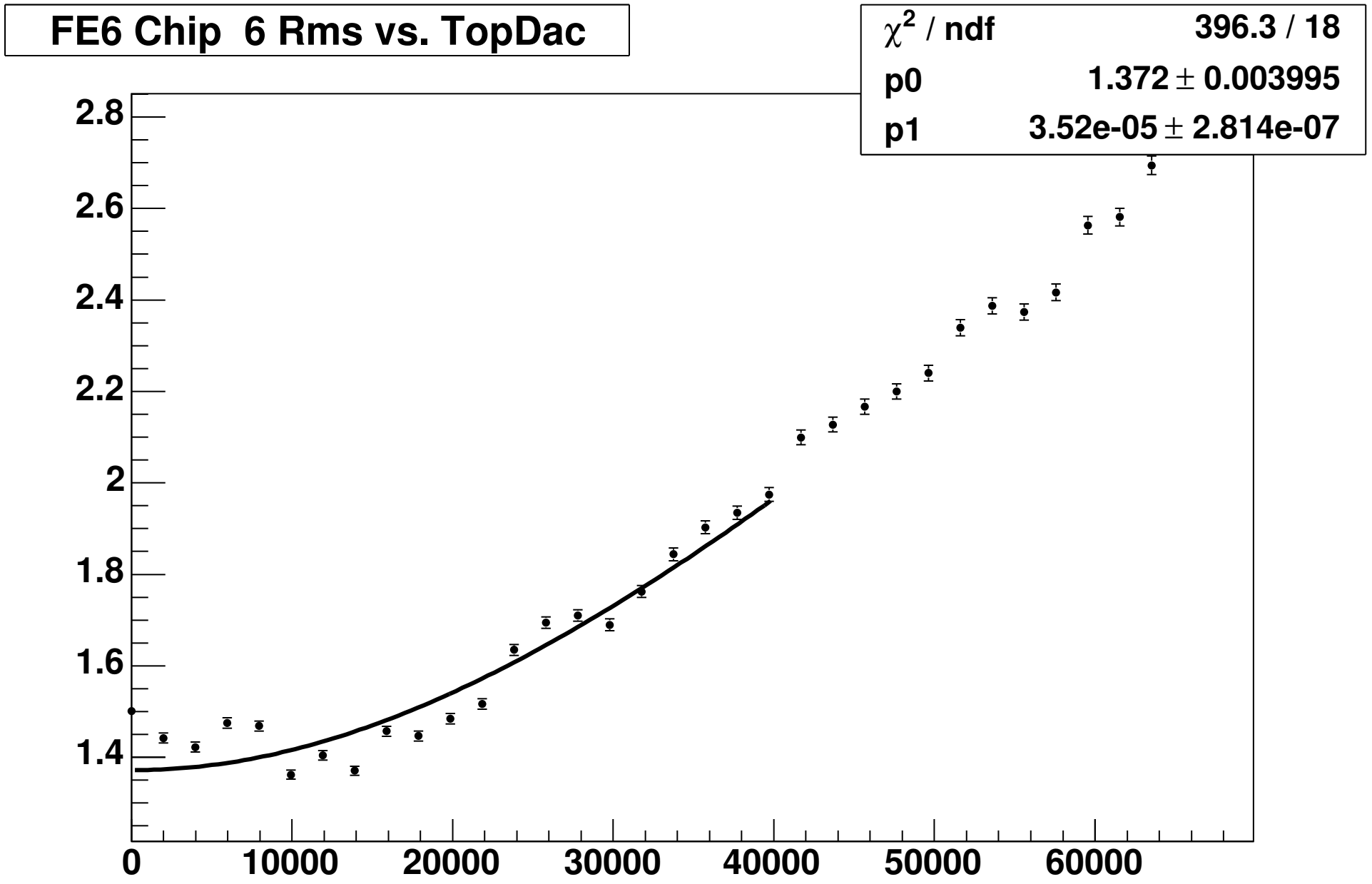
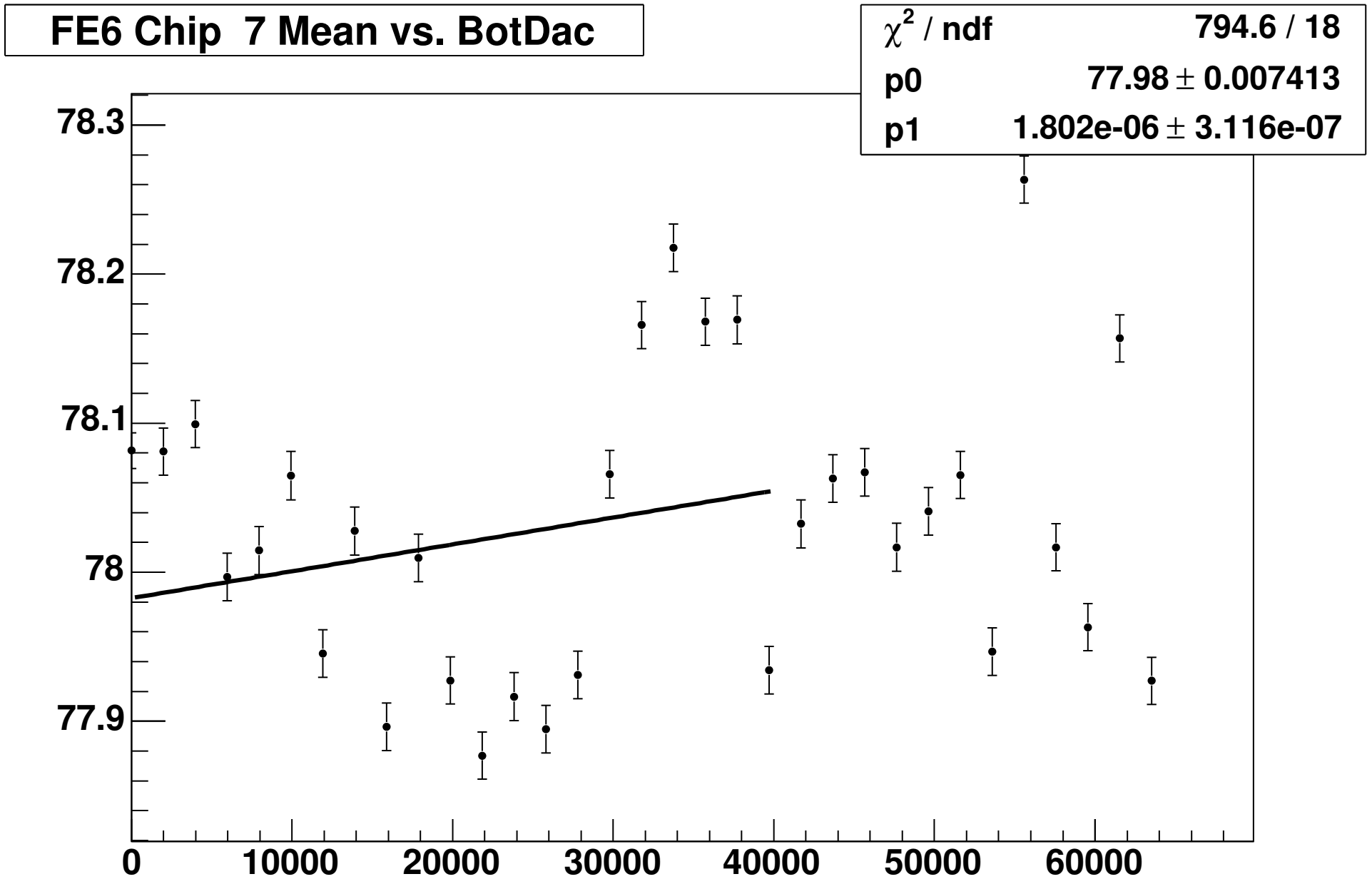
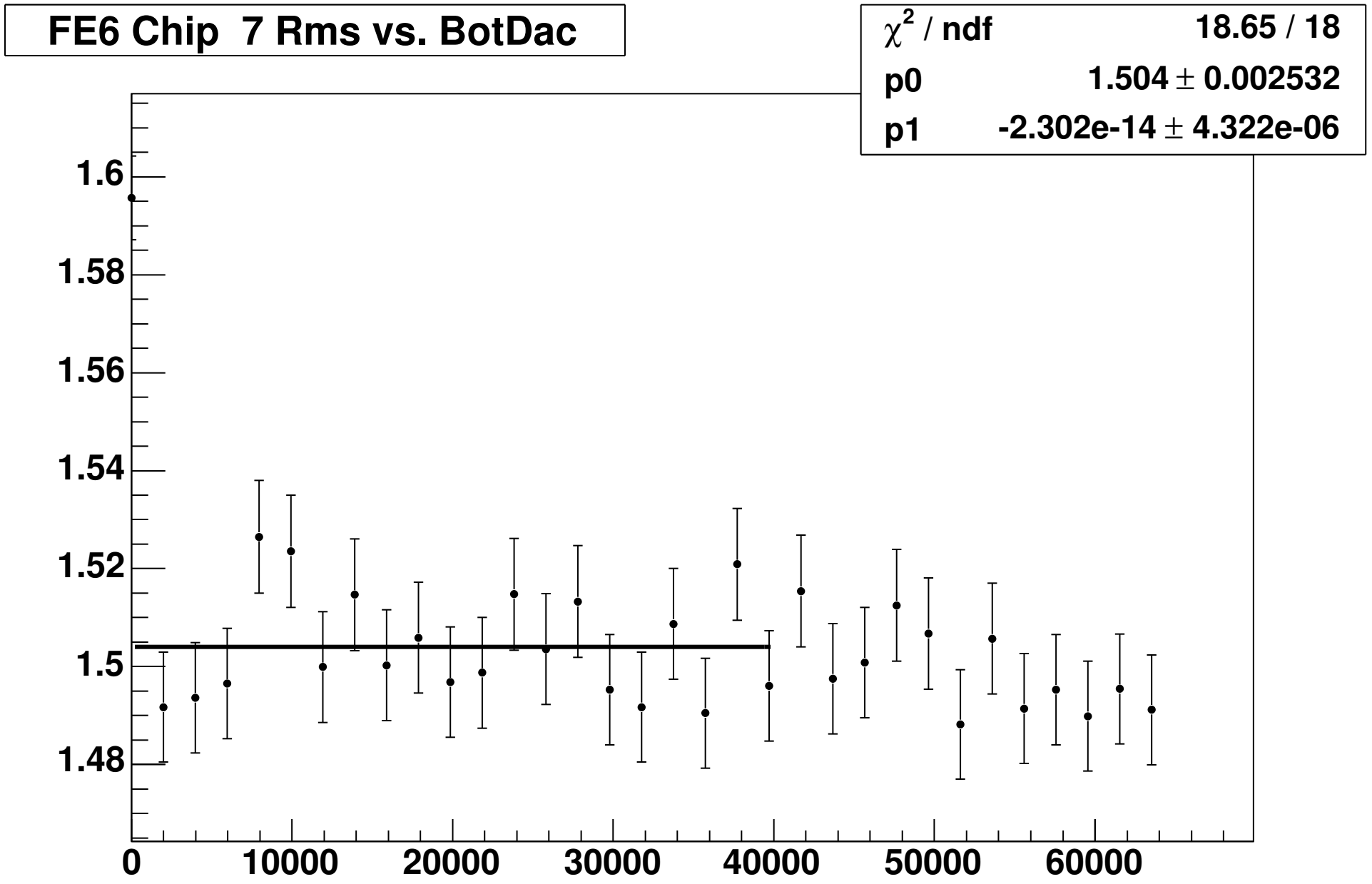

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 396.3 / 18
p0 1.372 ± 0.003995
p1 3.52e-05 ± 2.814e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 794.6 / 18
p0 77.98 ± 0.007413
p1 1.802e-06 ± 3.116e-07
78.3
78.2
78.1
78
77.9
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 18.65 / 18
p0 1.504 ± 0.002532
p1 -2.302e-14 ± 4.322e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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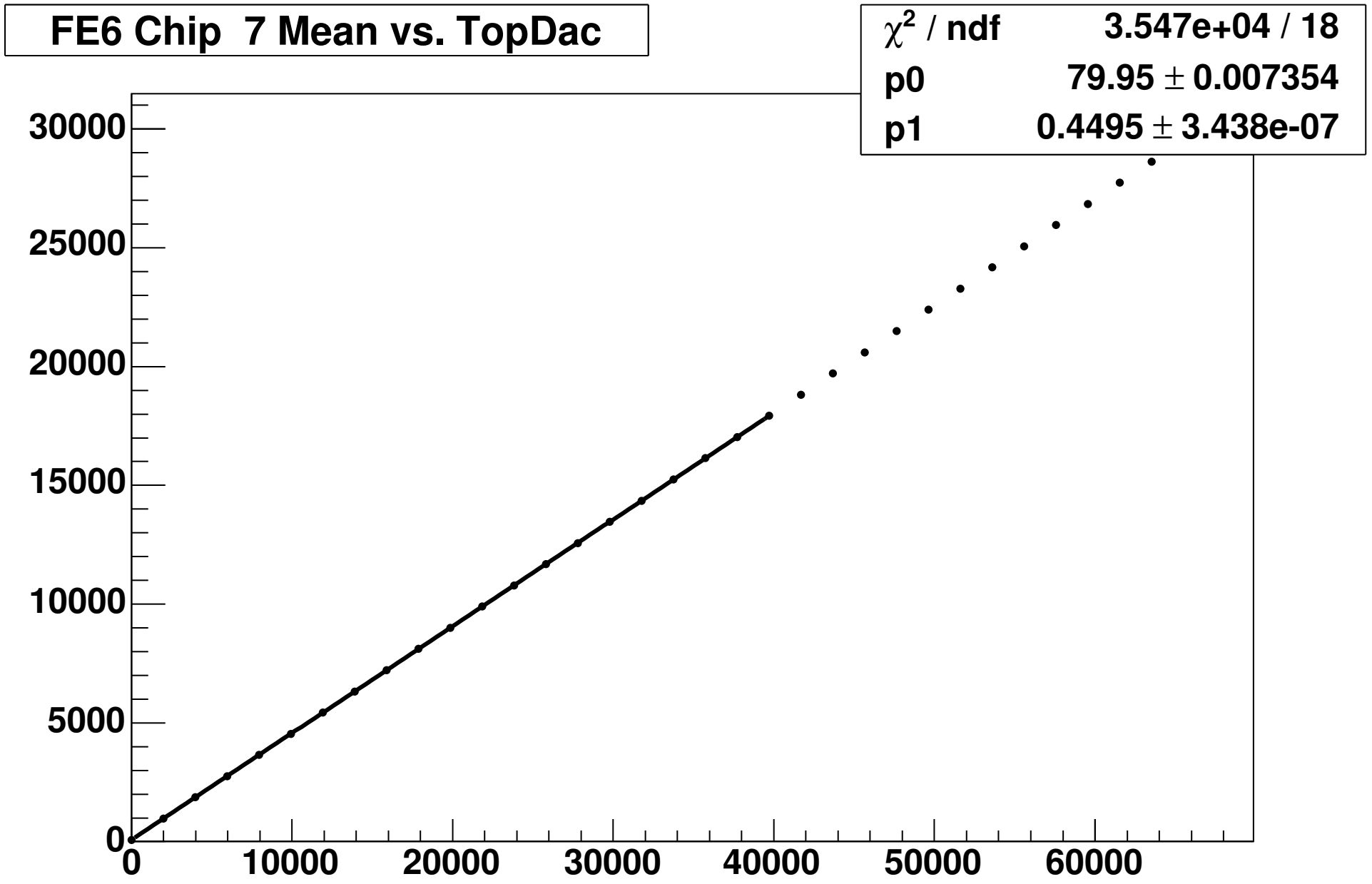
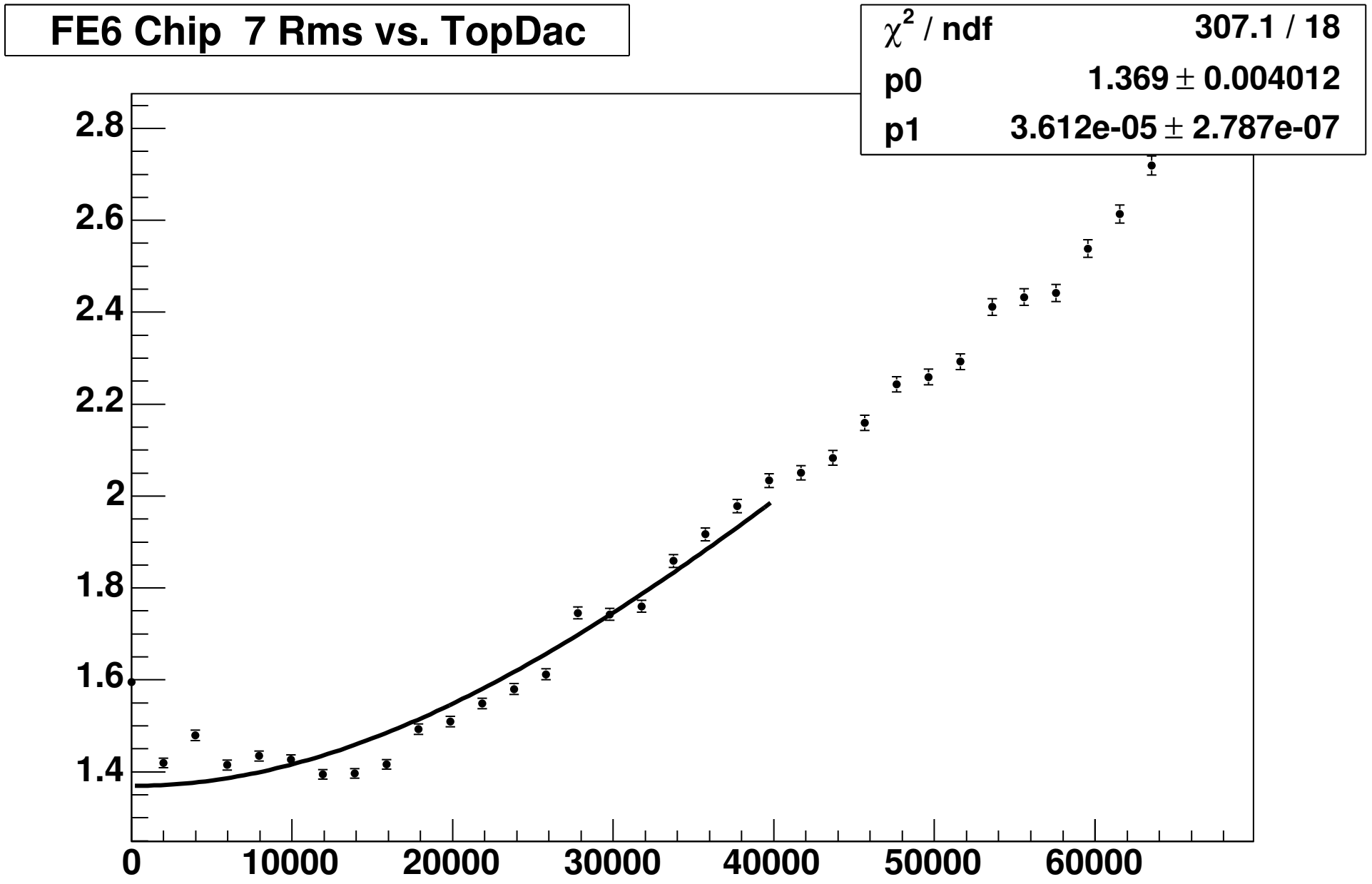
30000
40000
50000
60000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 3.547e+04 / 18
p0 79.95 ± 0.007354
p1 0.4495 ± 3.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 307.1 / 18
p0 1.369 ± 0.004012
p1 3.612e-05 ± 2.787e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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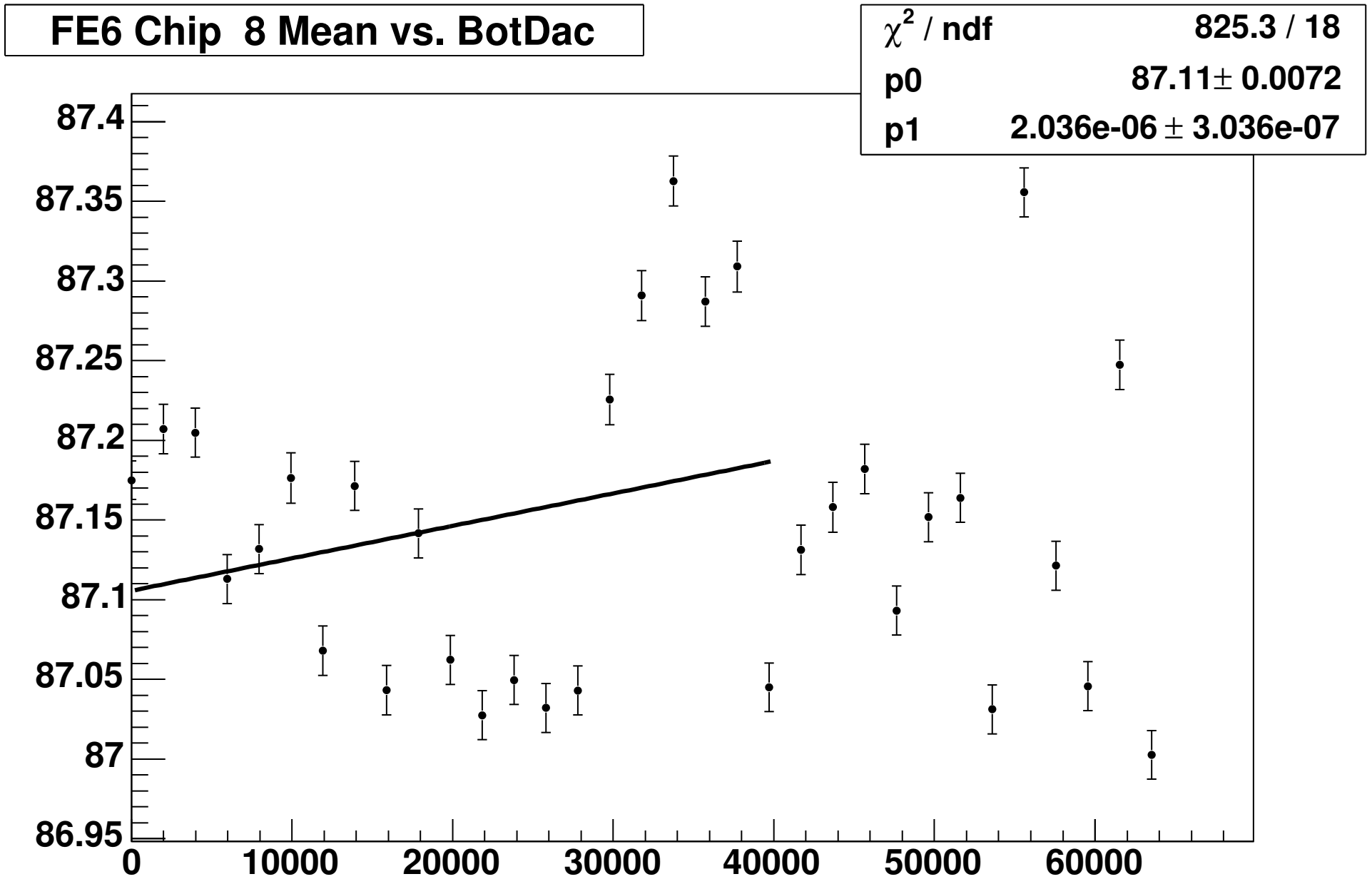
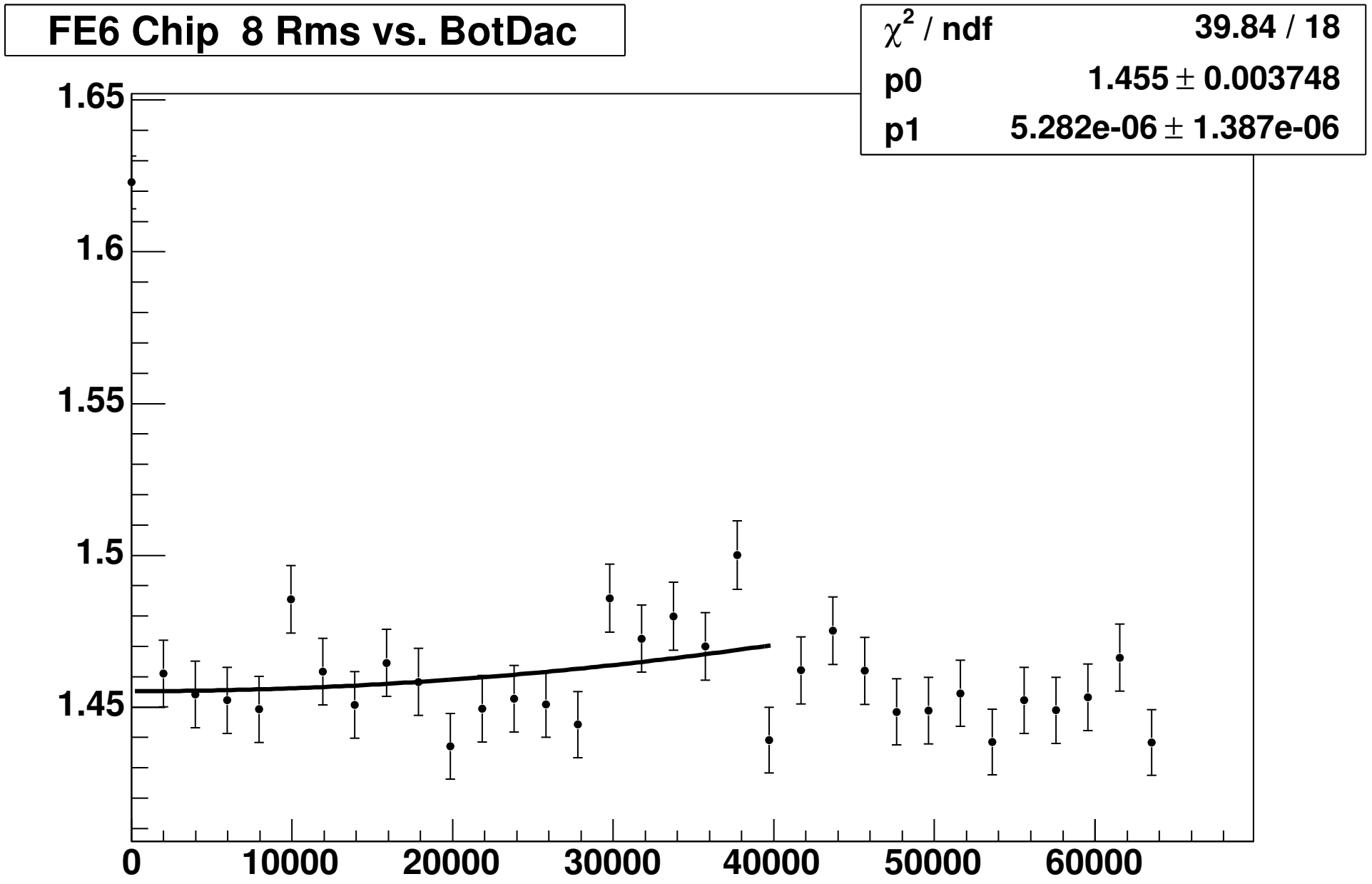
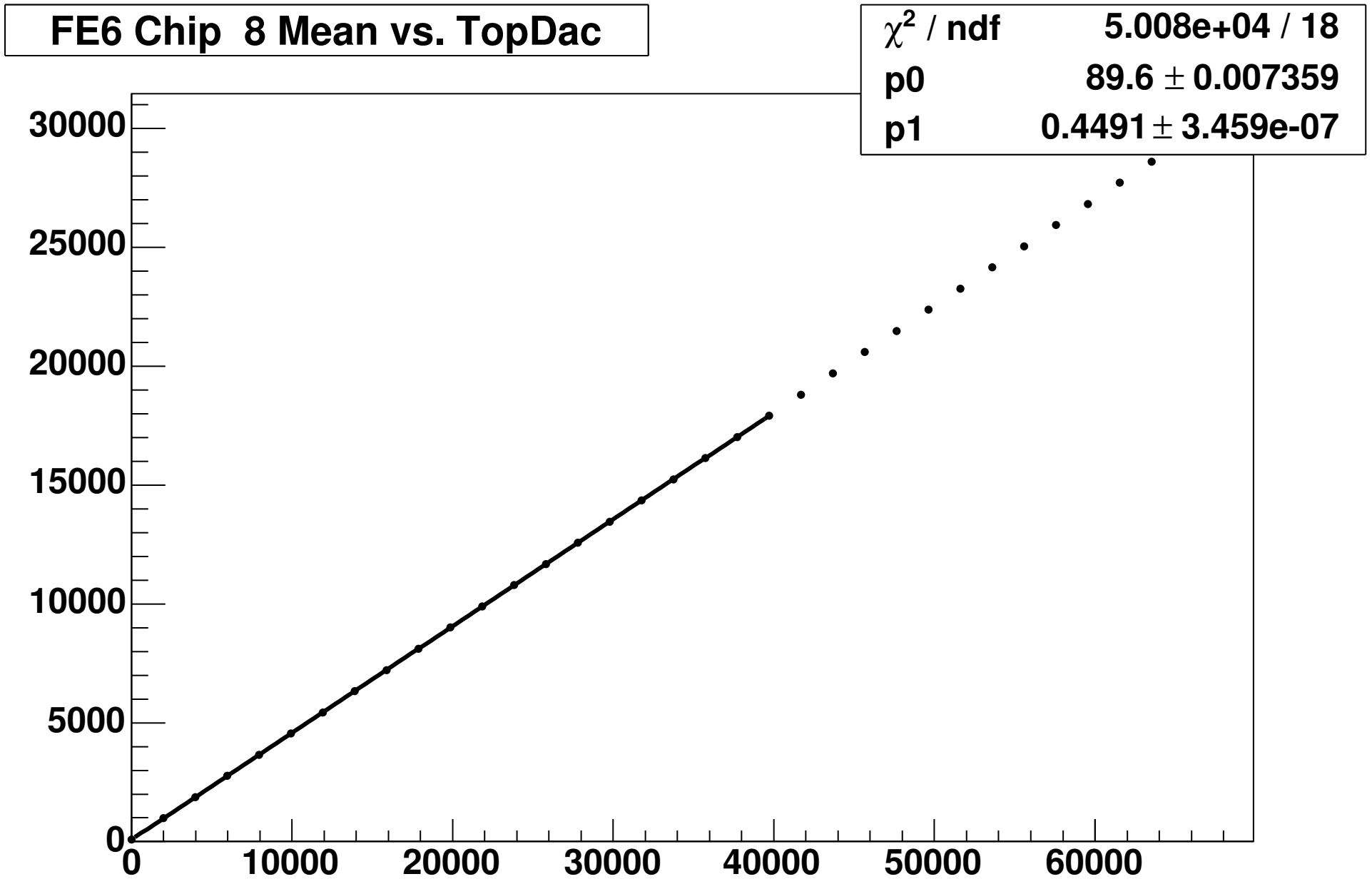
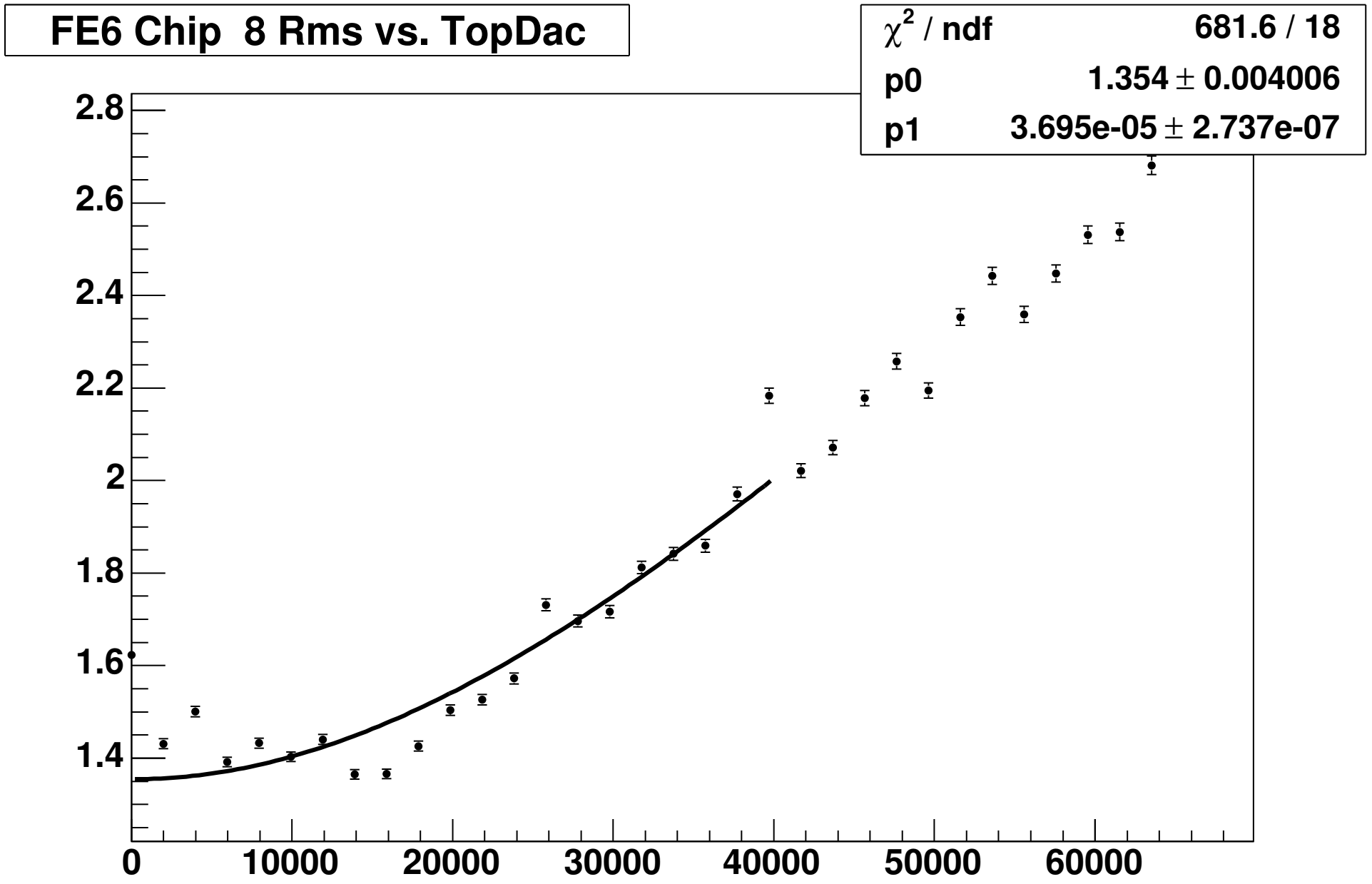
30000
40000
50000
60000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 825.3 / 18
p0 87.11 ± 0.0072
p1 2.036e-06 ± 3.036e-07
87.4
87.35
87.3
87.25
87.2
87.15
87.1
87.05
87
86.95
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 39.84 / 18
p0 1.455 ± 0.003748
p1 5.282e-06 ± 1.387e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 5.008e+04 / 18
p0 89.6 ± 0.007359
p1 0.4491 ± 3.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 681.6 / 18
p0 1.354 ± 0.004006
p1 3.695e-05 ± 2.737e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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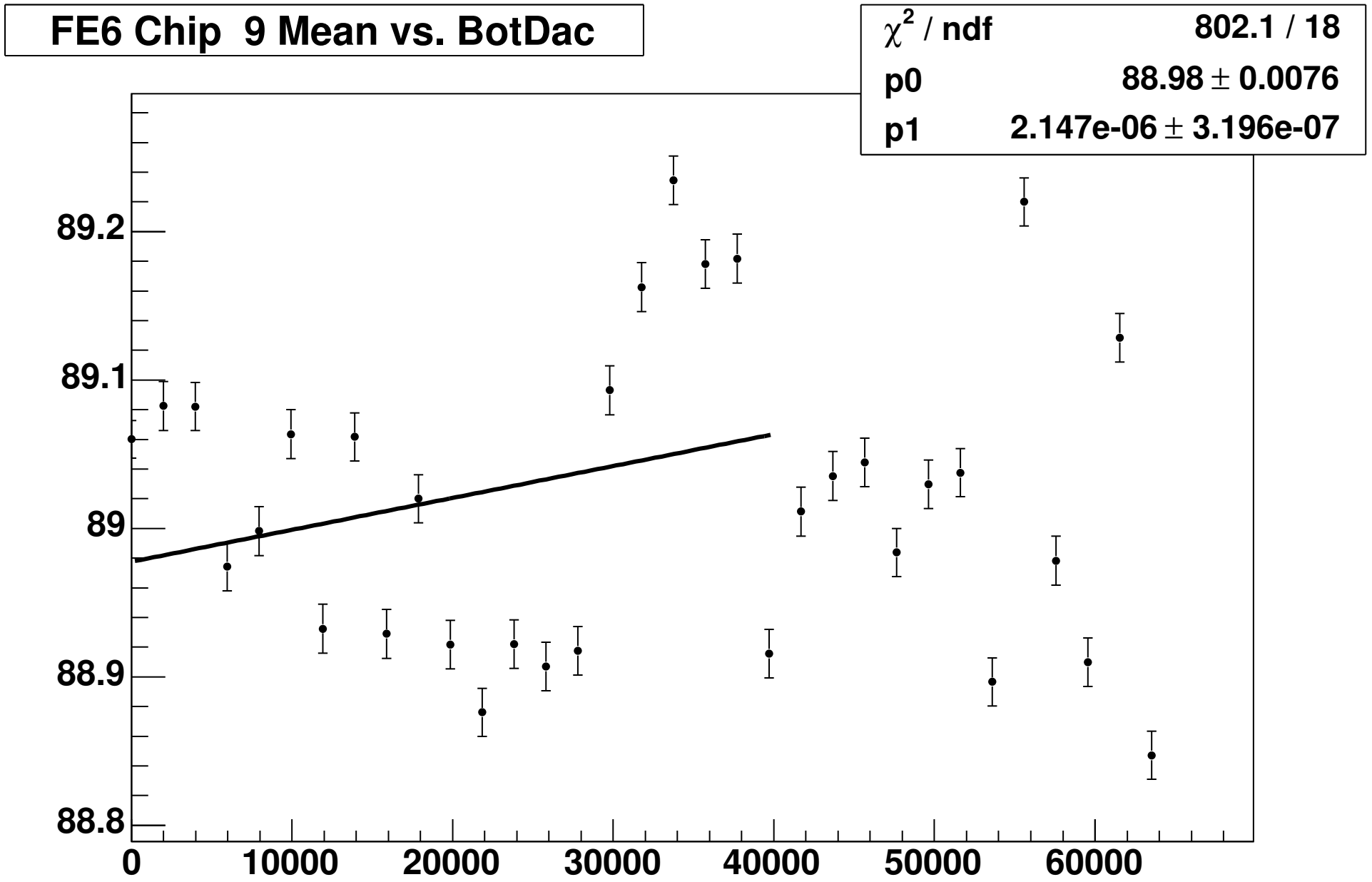
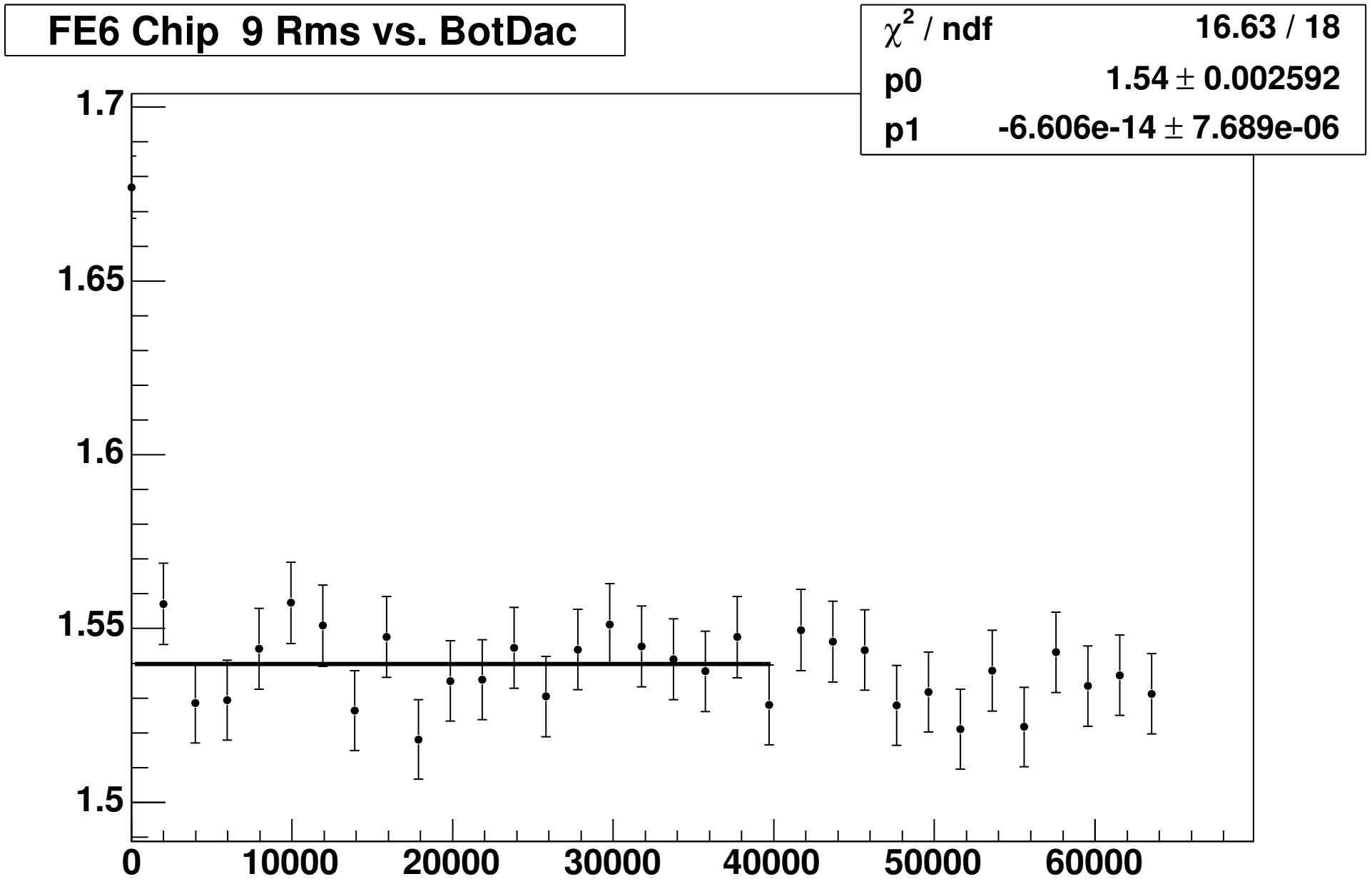
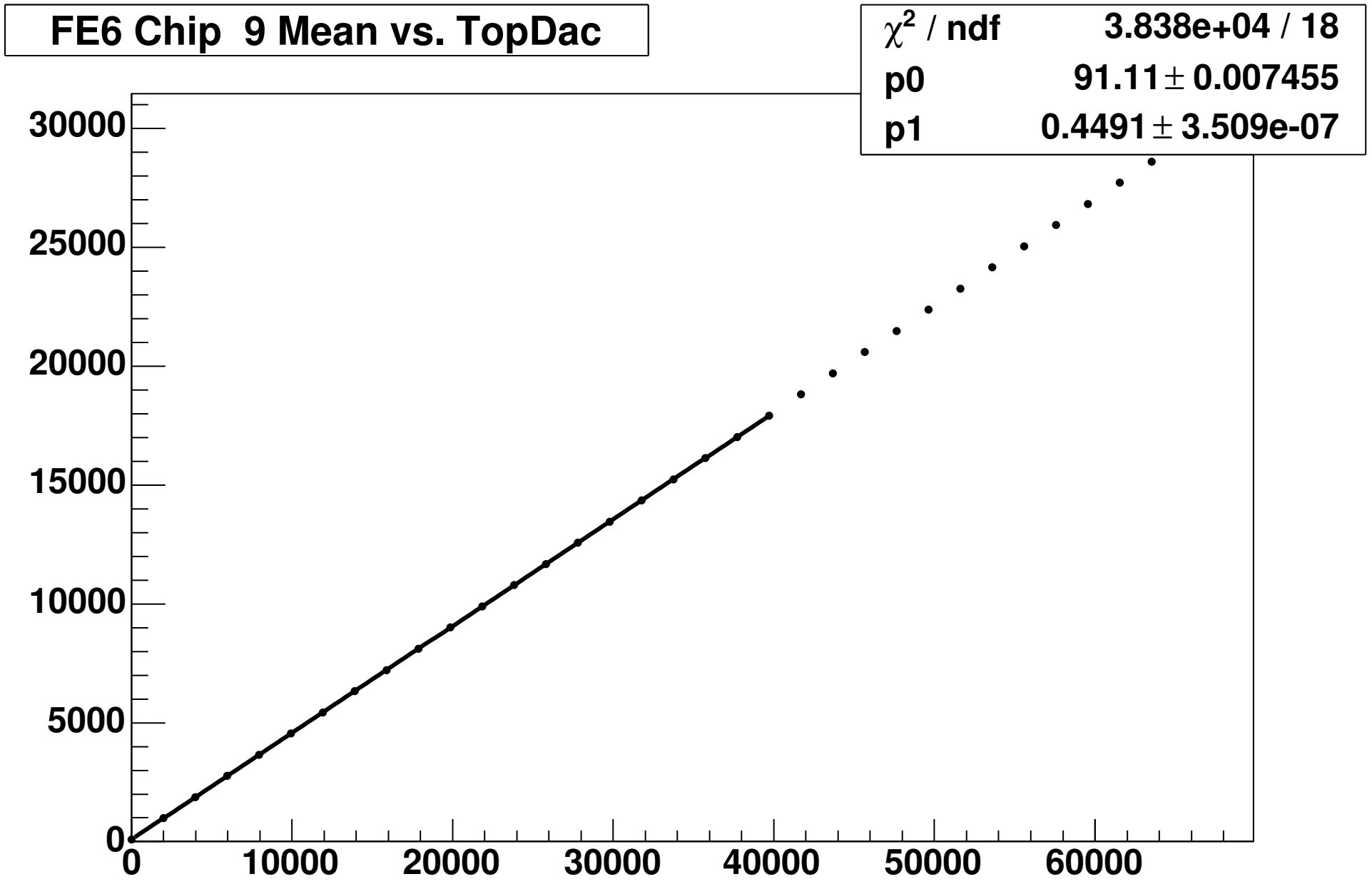
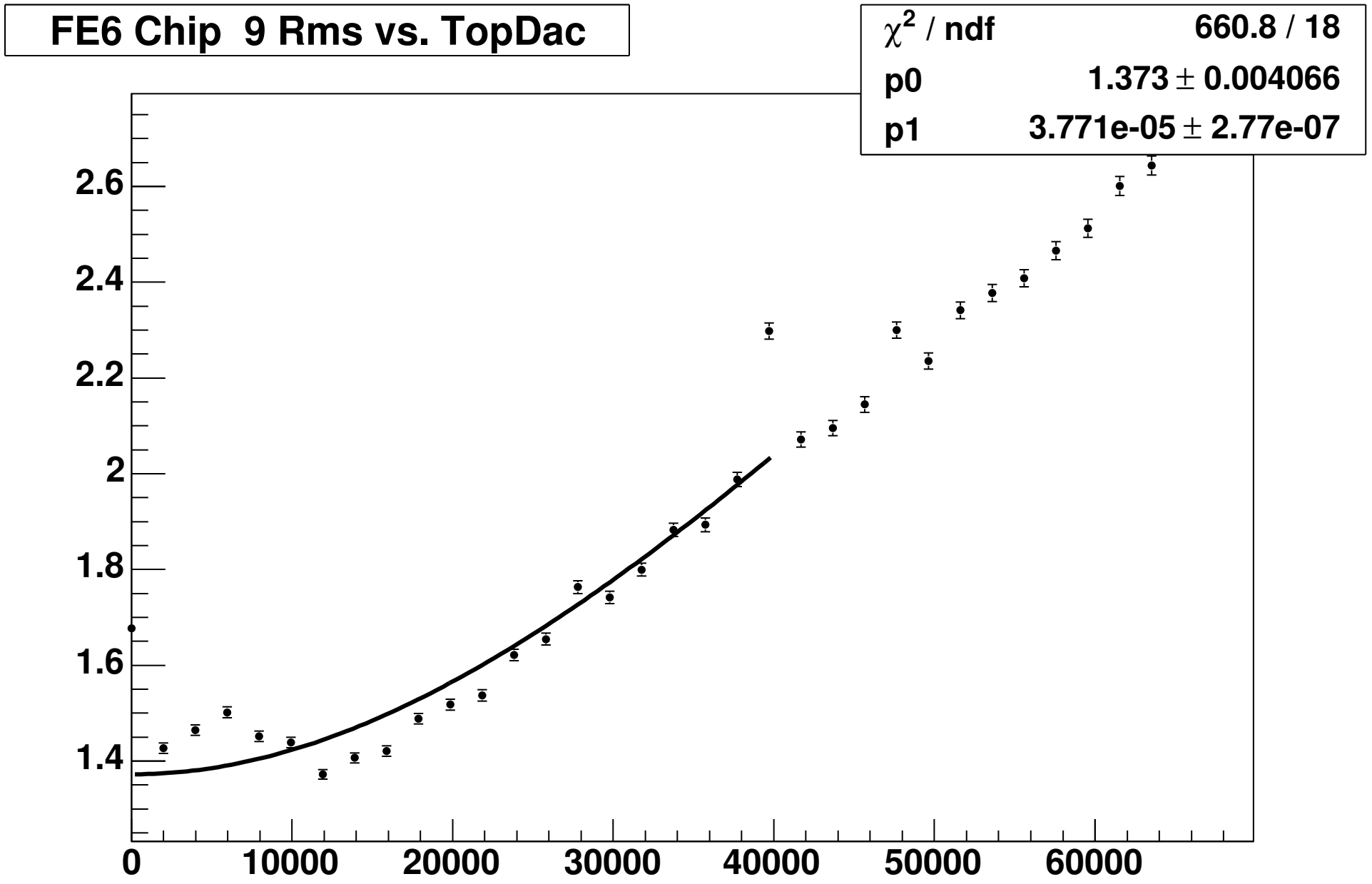
60000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 802.1 / 18
p0 88.98 ± 0.0076
p1 2.147e-06 ± 3.196e-07
89.2
89.1
89
88.9
88.8
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 16.63 / 18
p0 1.54 ± 0.002592
p1 -6.606e-14 ± 7.689e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 3.838e+04 / 18
p0 91.11 ± 0.007455
p1 0.4491 ± 3.509e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 660.8 / 18
p0 1.373 ± 0.004066
p1 3.771e-05 ± 2.77e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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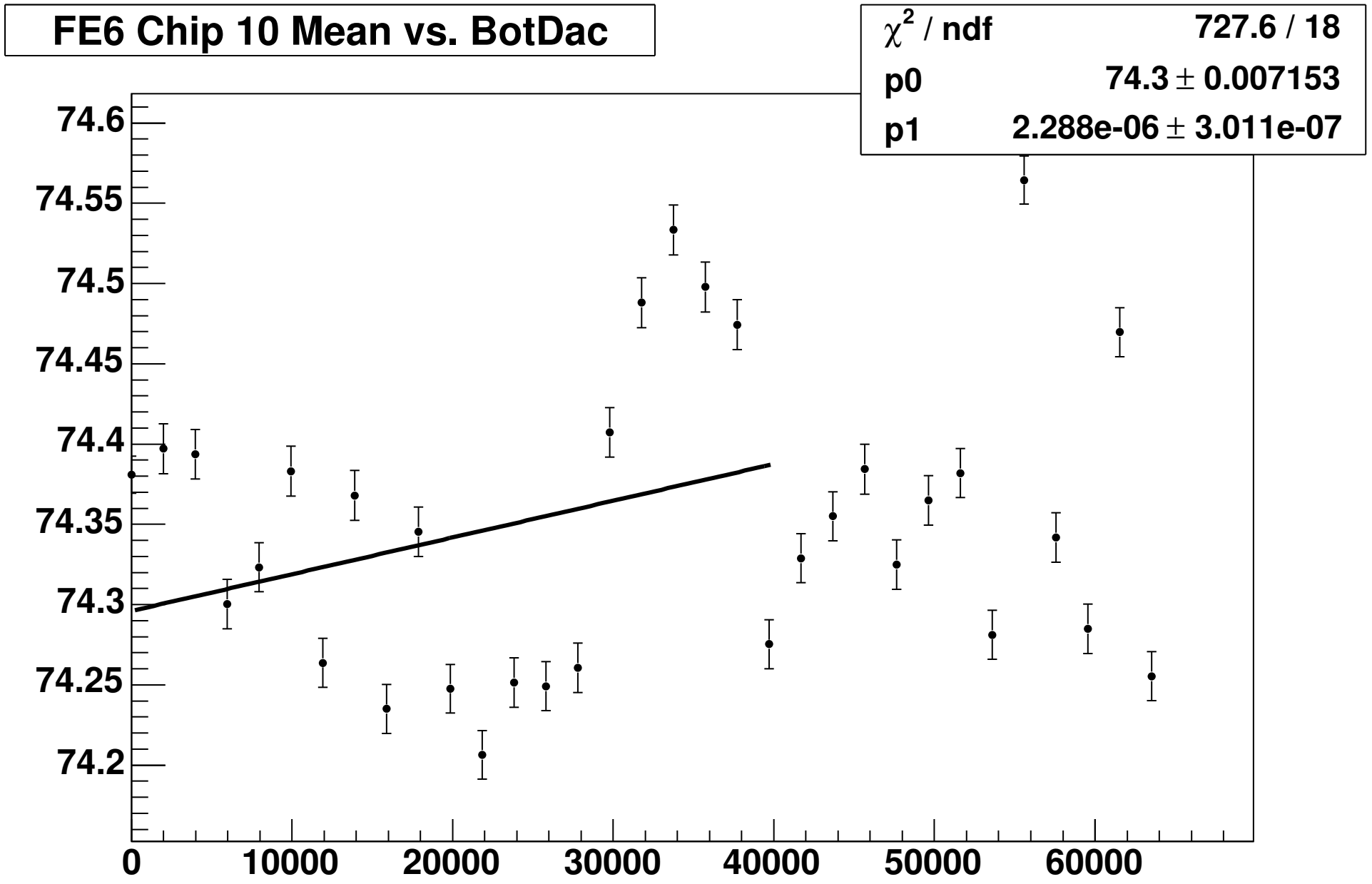
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 727.6 / 18
p0 74.3 ± 0.007153
p1 2.288e-06 ± 3.011e-07
74.6
74.55
74.5
74.45
74.4
74.35
74.3
74.25
74.2
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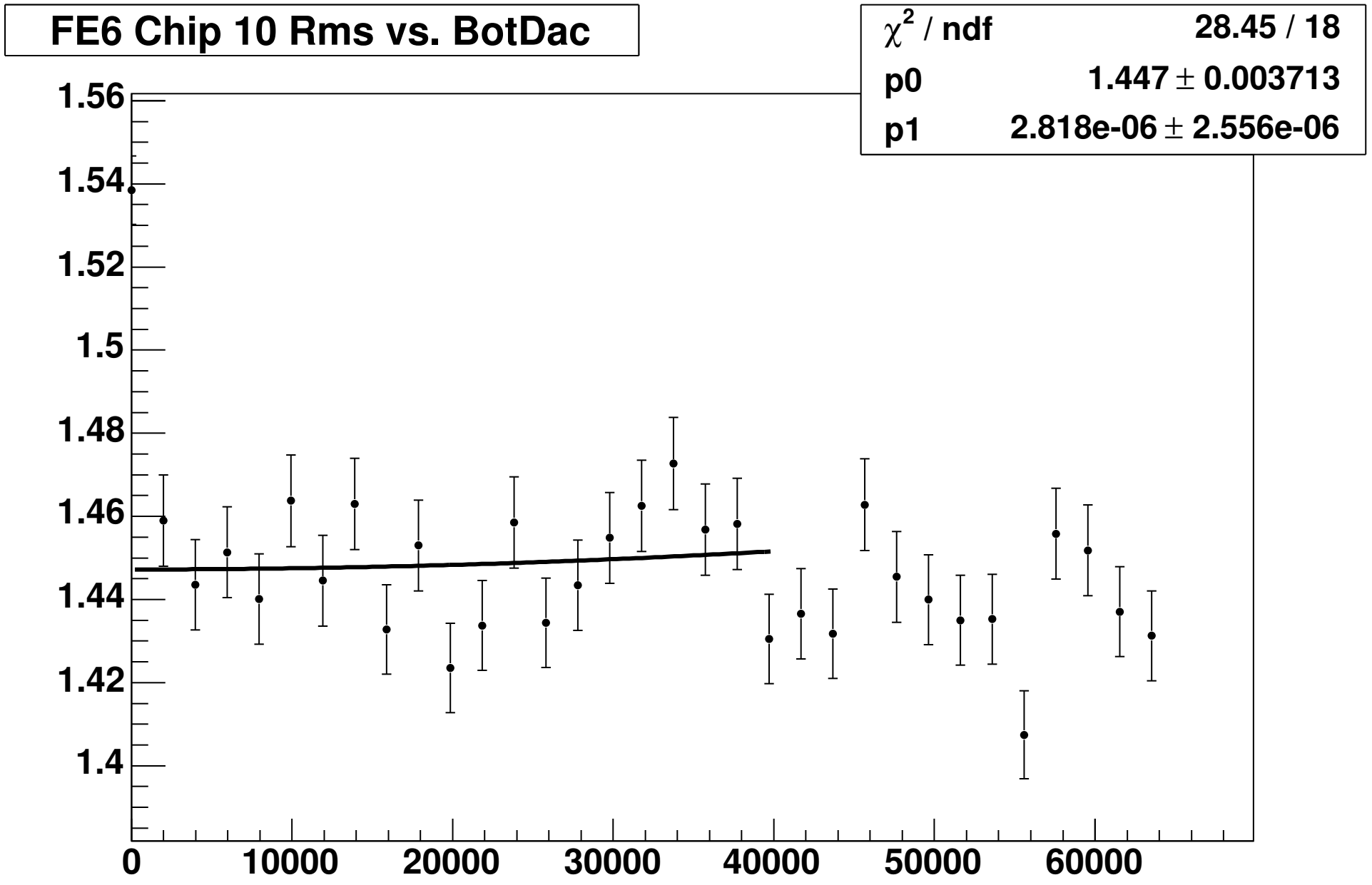
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 28.45 / 18
p0 1.447 ± 0.003713
p1 2.818e-06 ± 2.556e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
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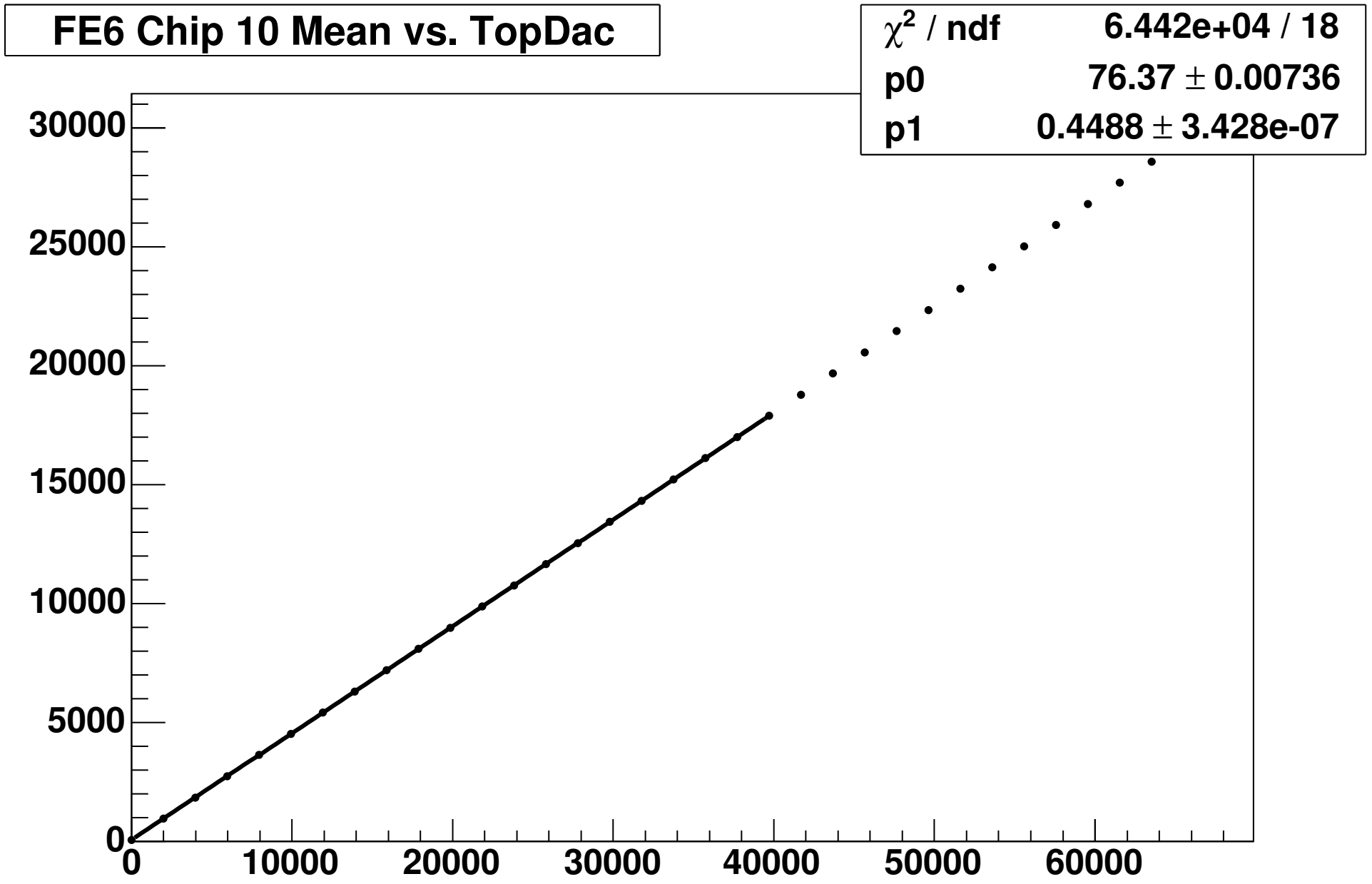
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 6.442e+04 / 18
p0 76.37 ± 0.00736
p1 0.4488 ± 3.428e-07
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25000
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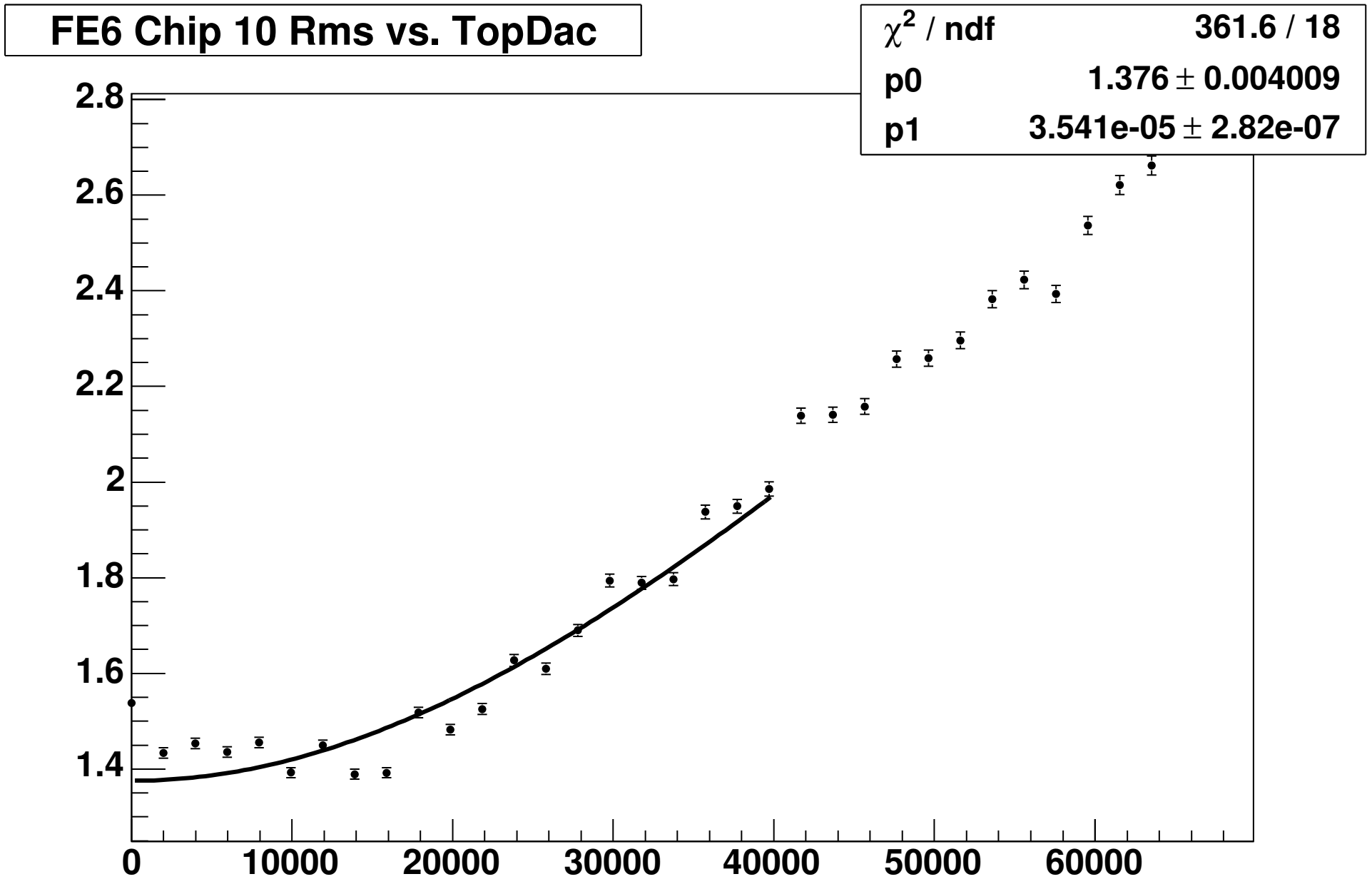
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 361.6 / 18
p0 1.376 ± 0.004009
p1 3.541e-05 ± 2.82e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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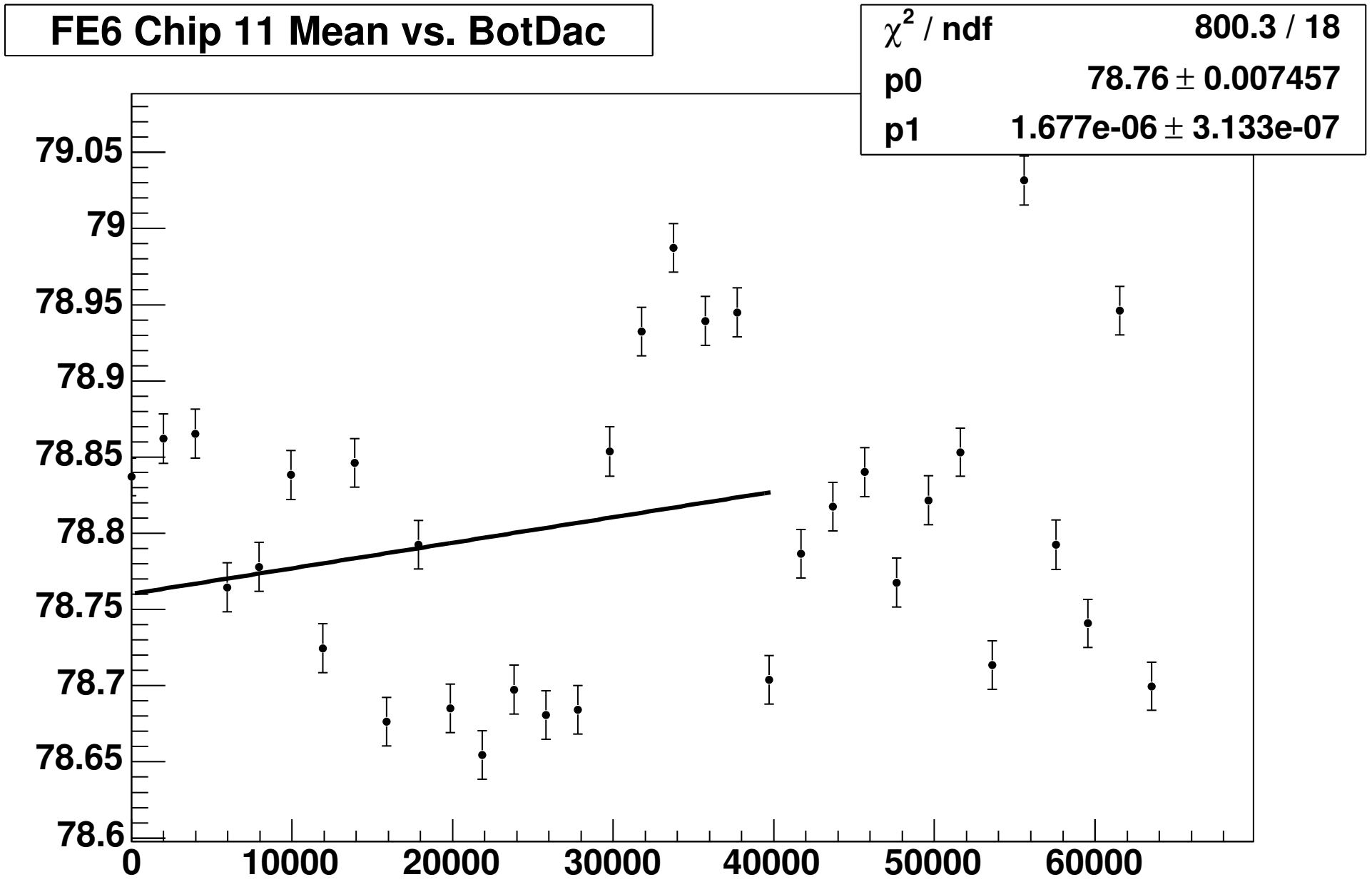
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 800.3 / 18
p0 78.76 ± 0.007457
p1 1.677e-06 ± 3.133e-07
79.05
79
78.95
78.9
78.85
78.8
78.75
78.7
78.65
78.6
0
10000
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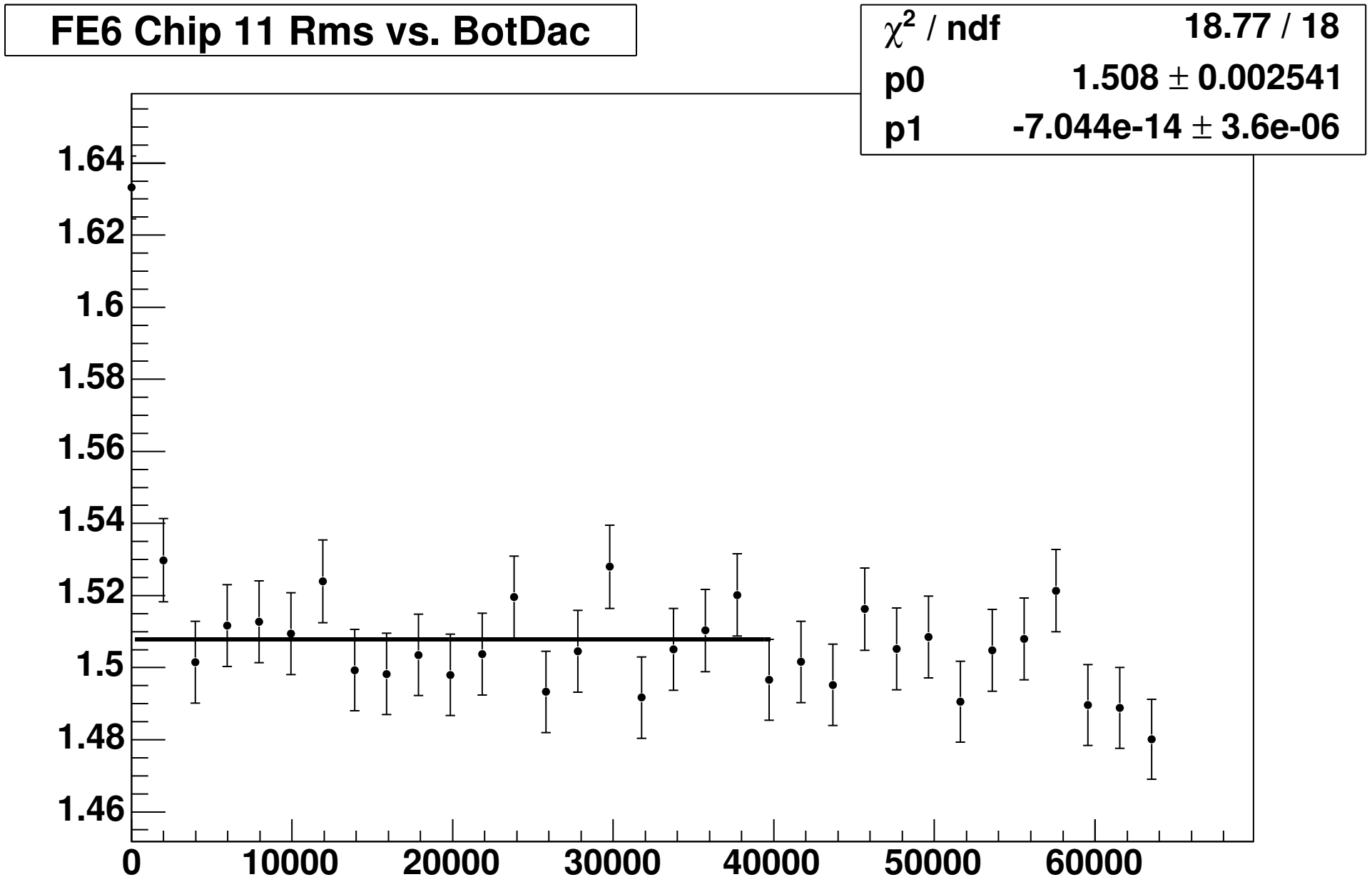
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 18.77 / 18
p0 1.508 ± 0.002541
p1 -7.044e-14 ± 3.6e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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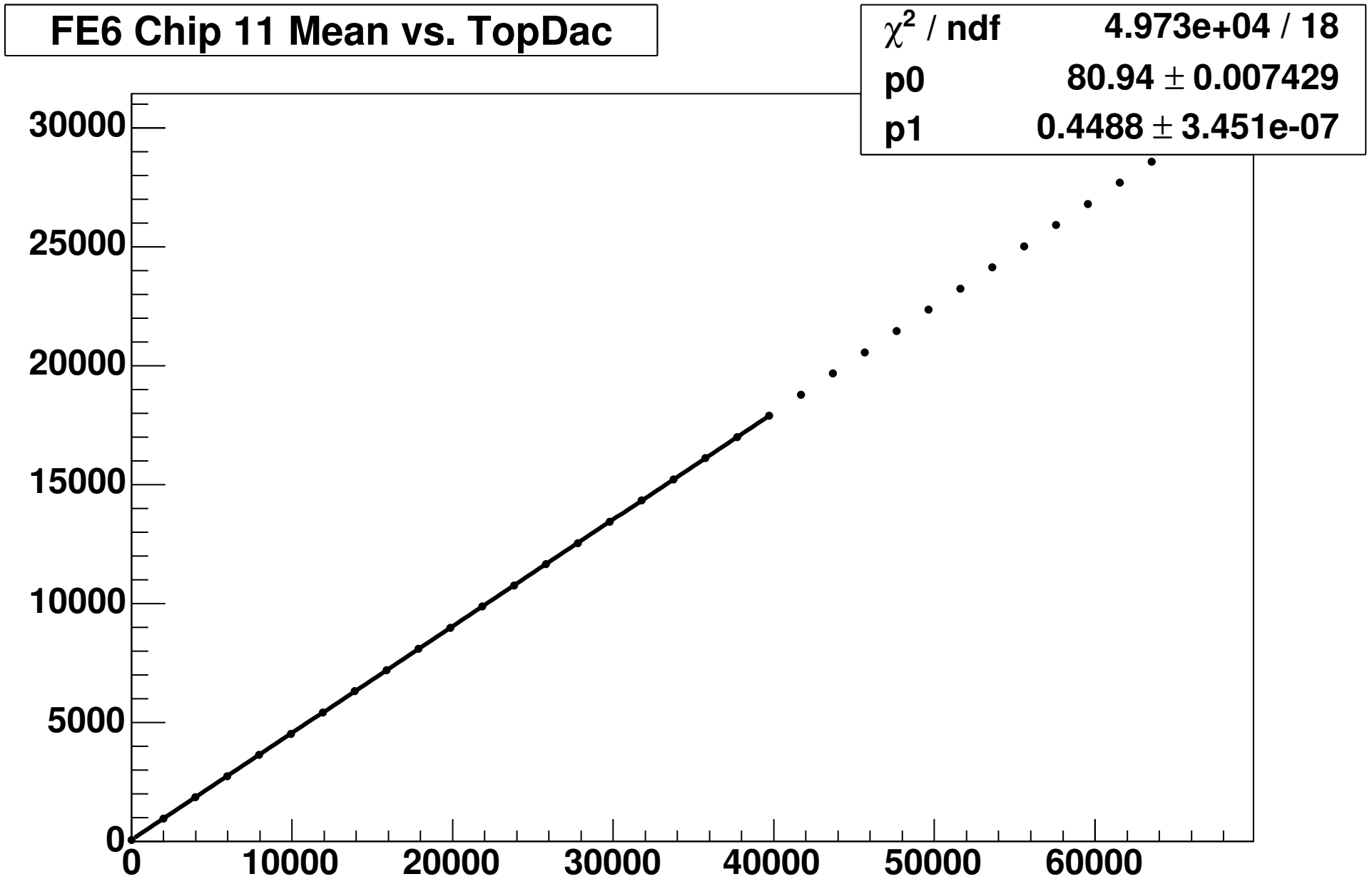
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 4.973e+04 / 18
p0 80.94 ± 0.007429
p1 0.4488 ± 3.451e-07
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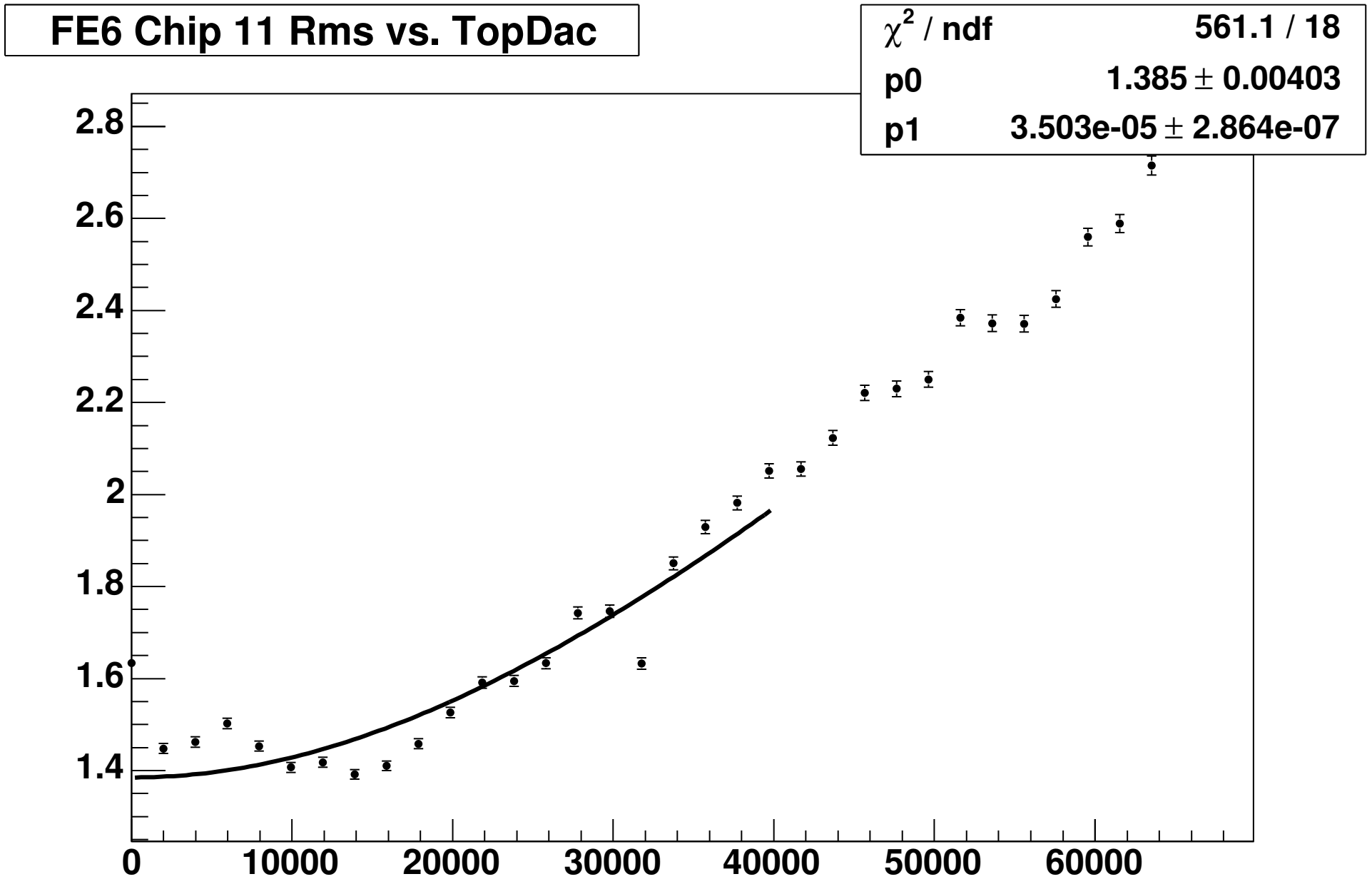
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 561.1 / 18
p0 1.385 ± 0.00403
p1 3.503e-05 ± 2.864e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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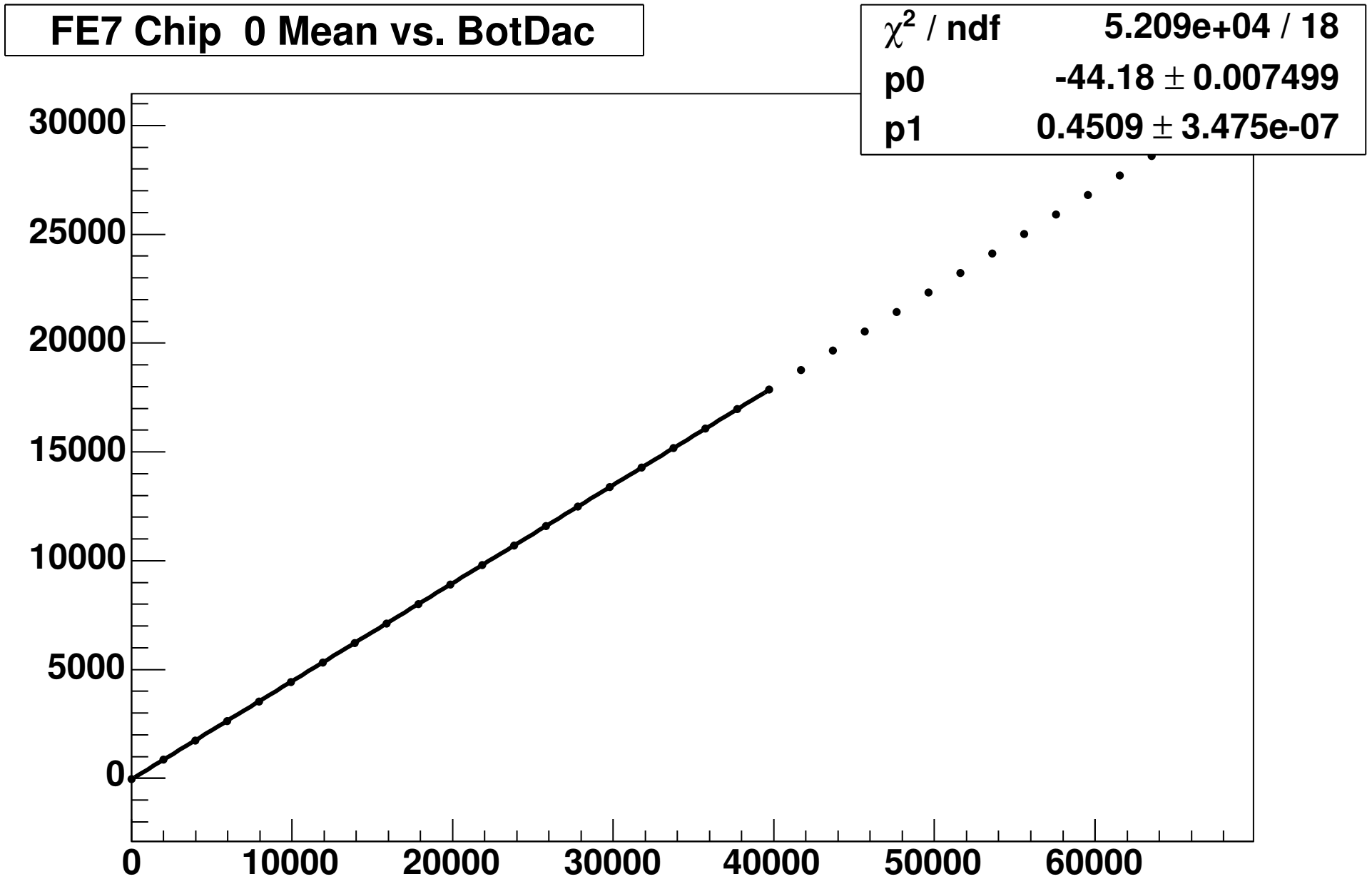
40000
50000
60000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 5.209e+04 / 18
p0 -44.18 ± 0.007499
p1 0.4509 ± 3.475e-07
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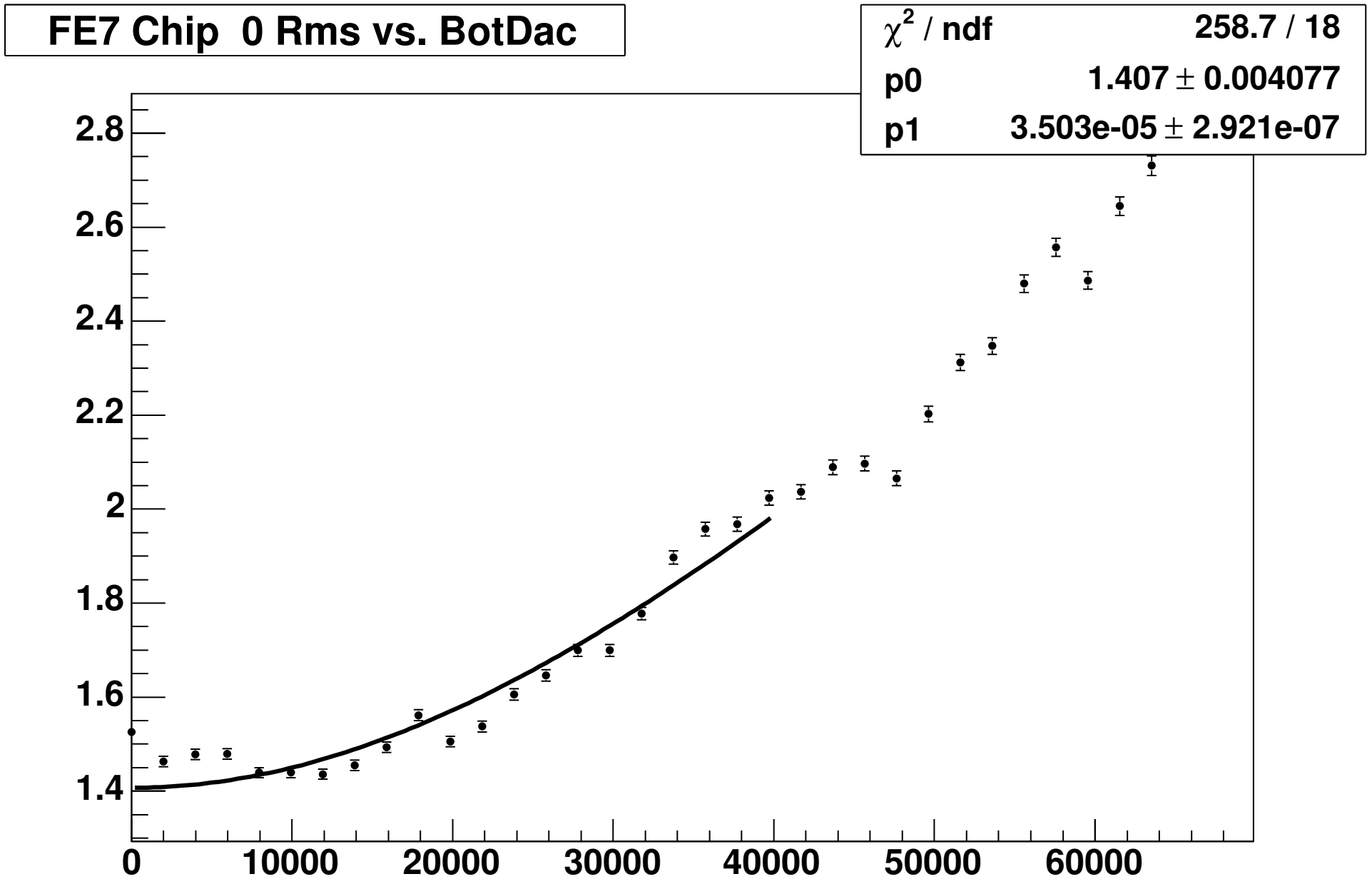
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 258.7 / 18
p0 1.407 ± 0.004077
p1 3.503e-05 ± 2.921e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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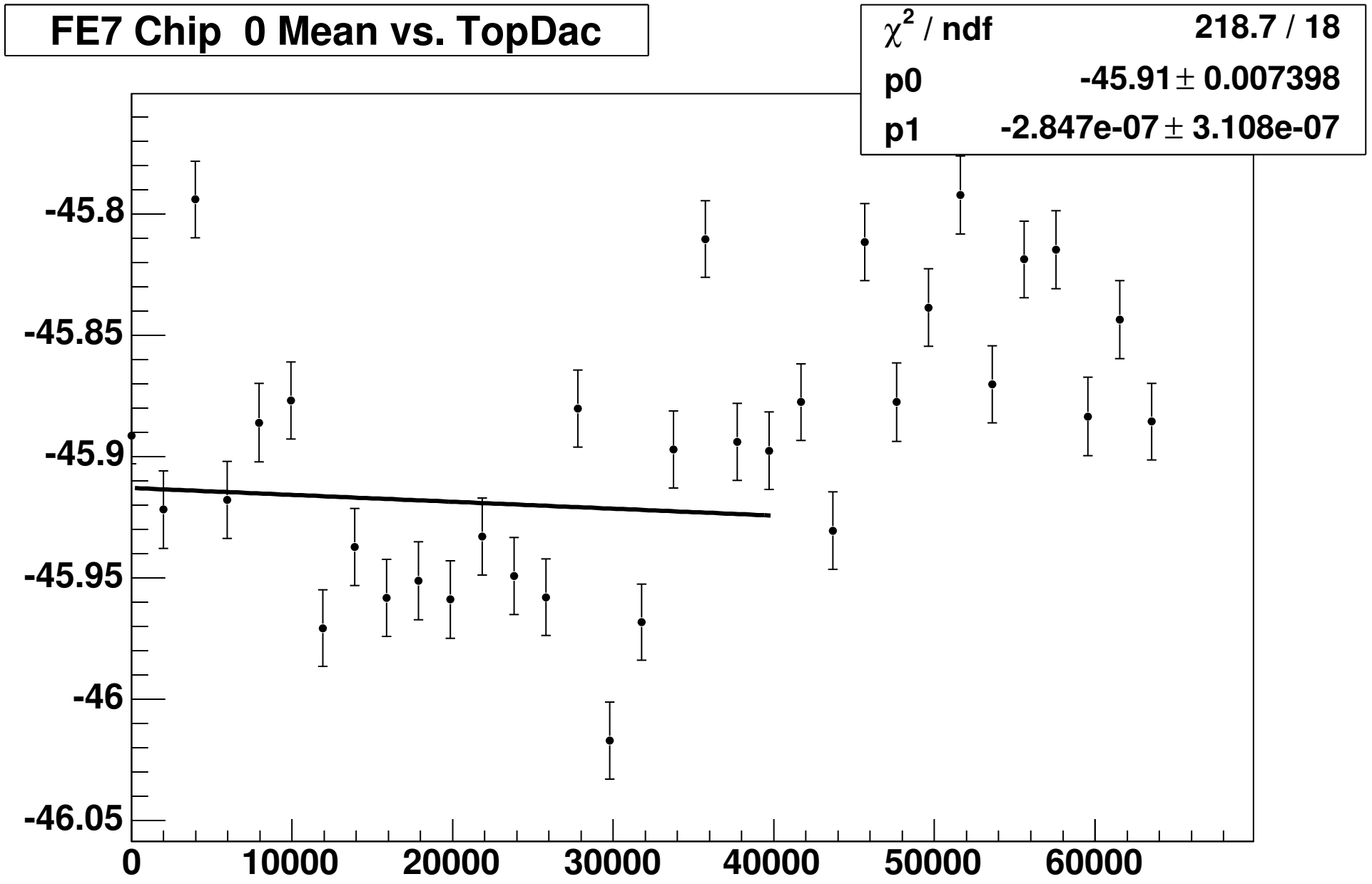
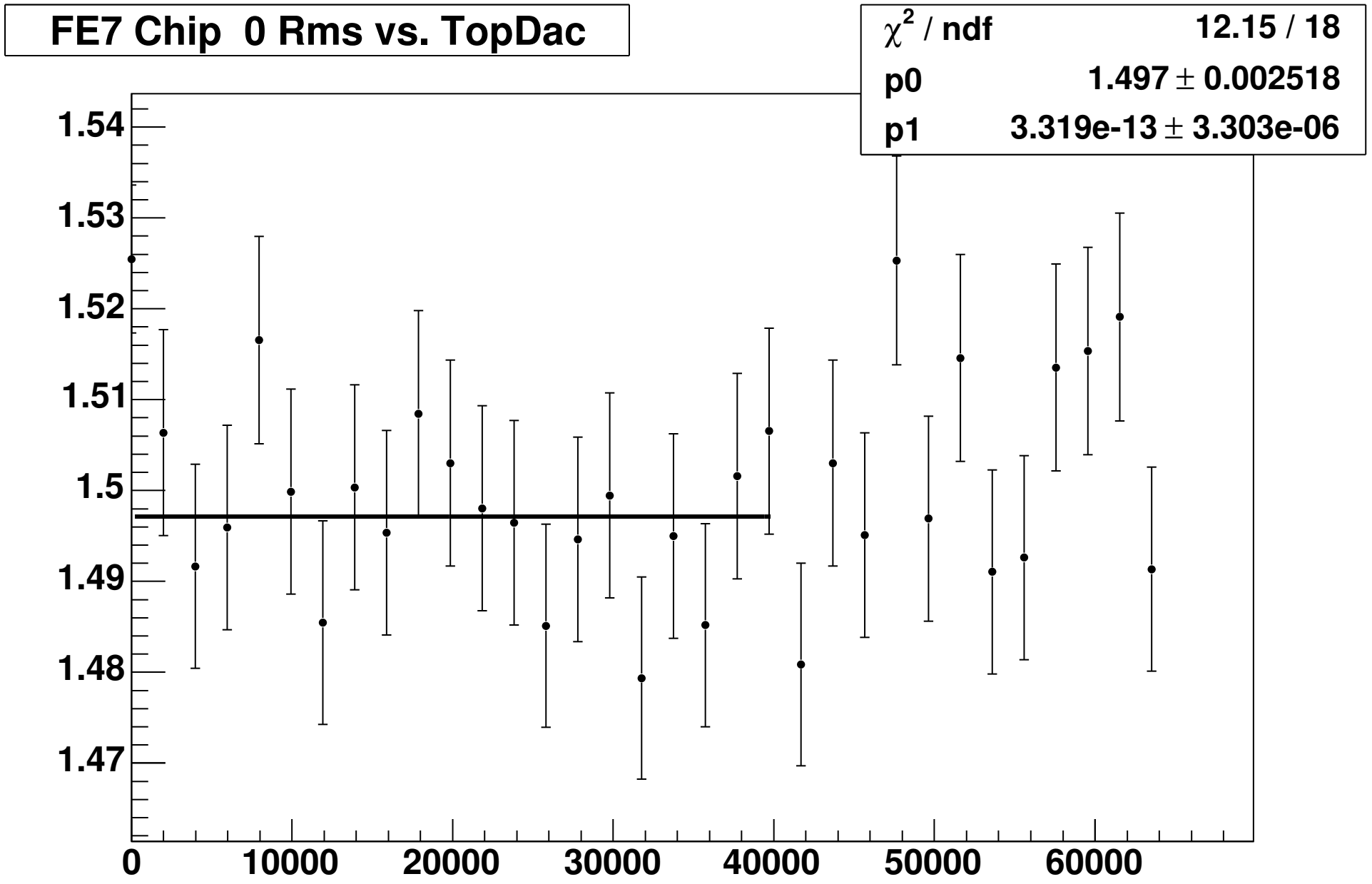
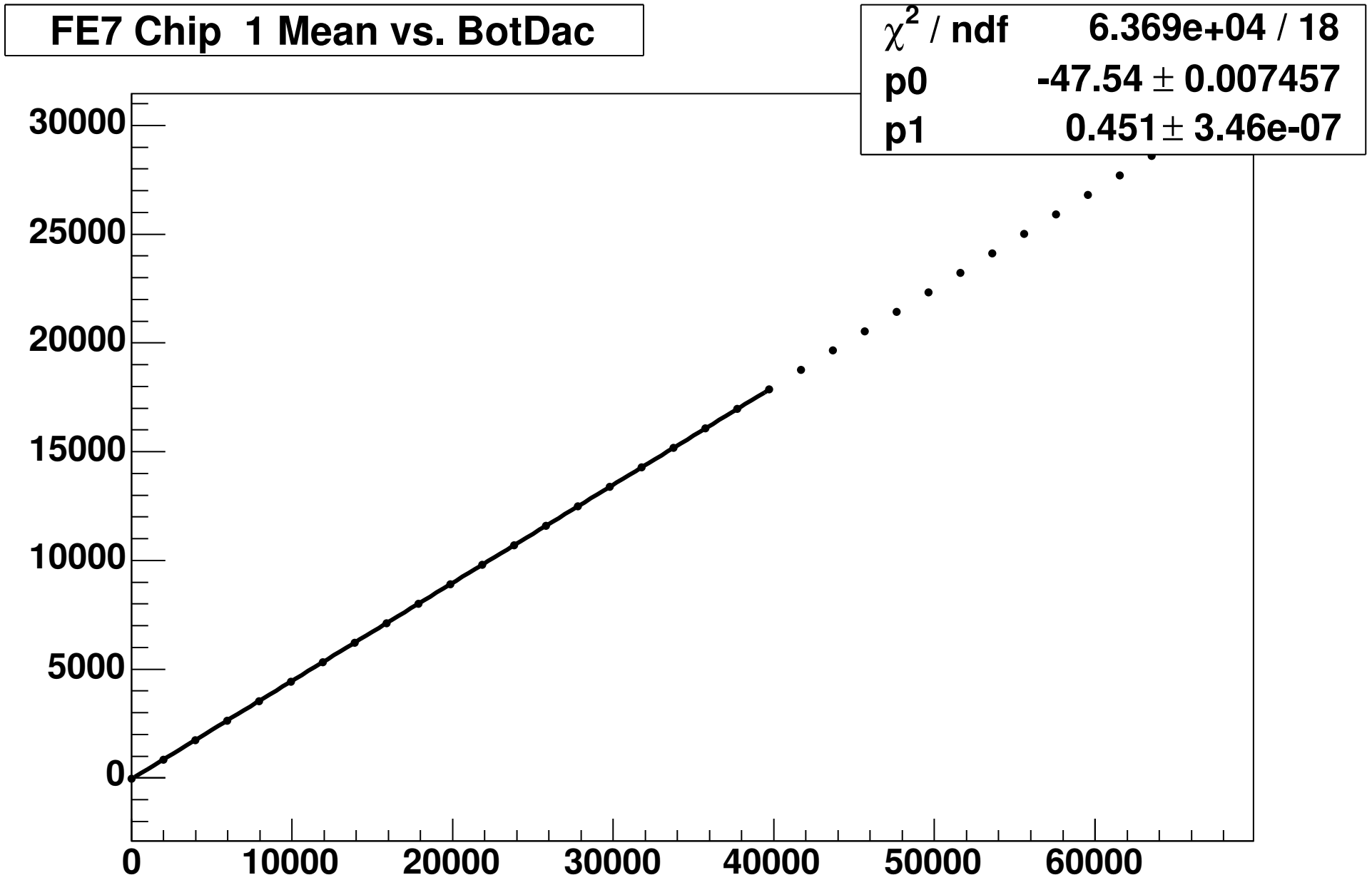
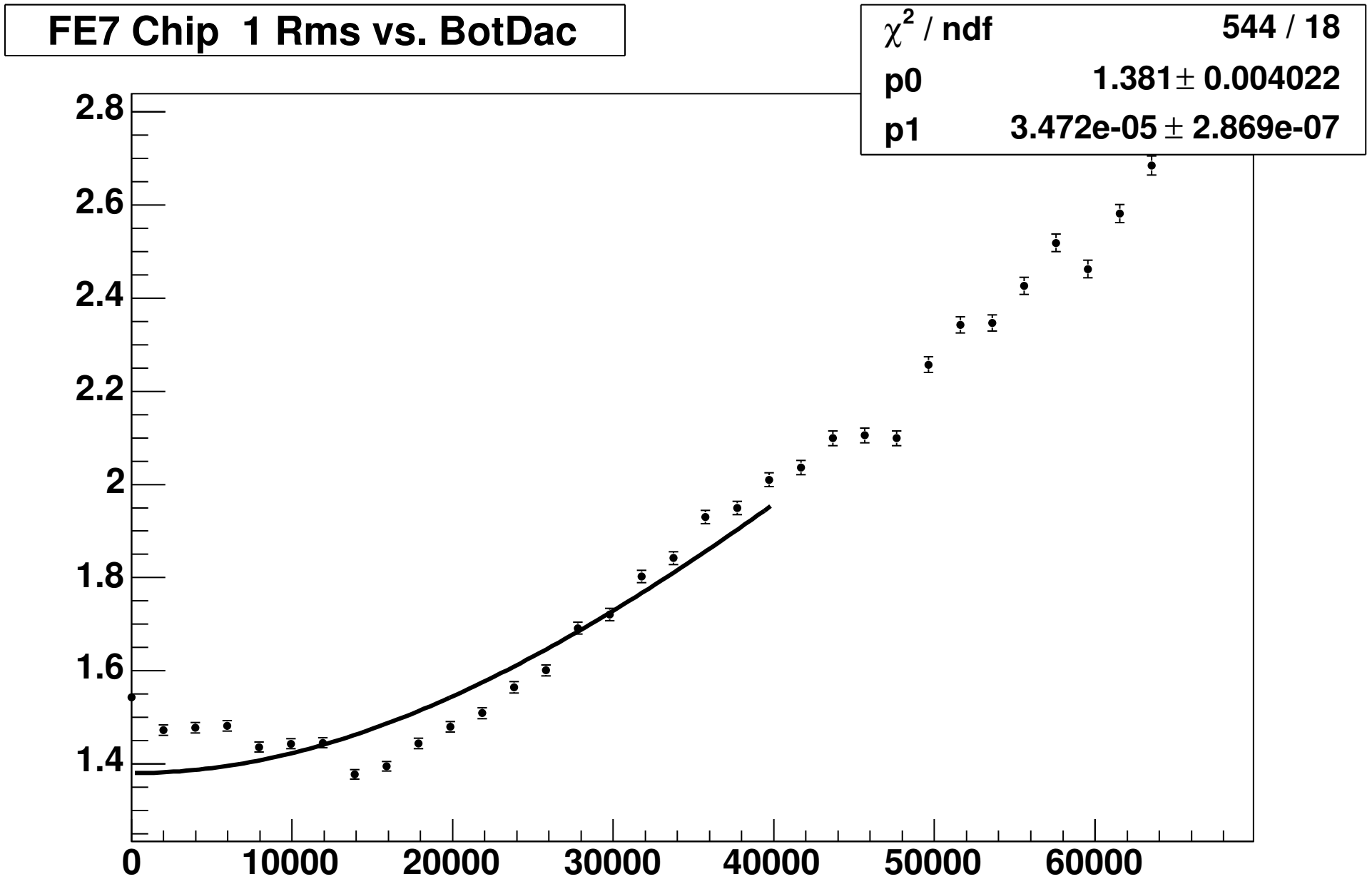
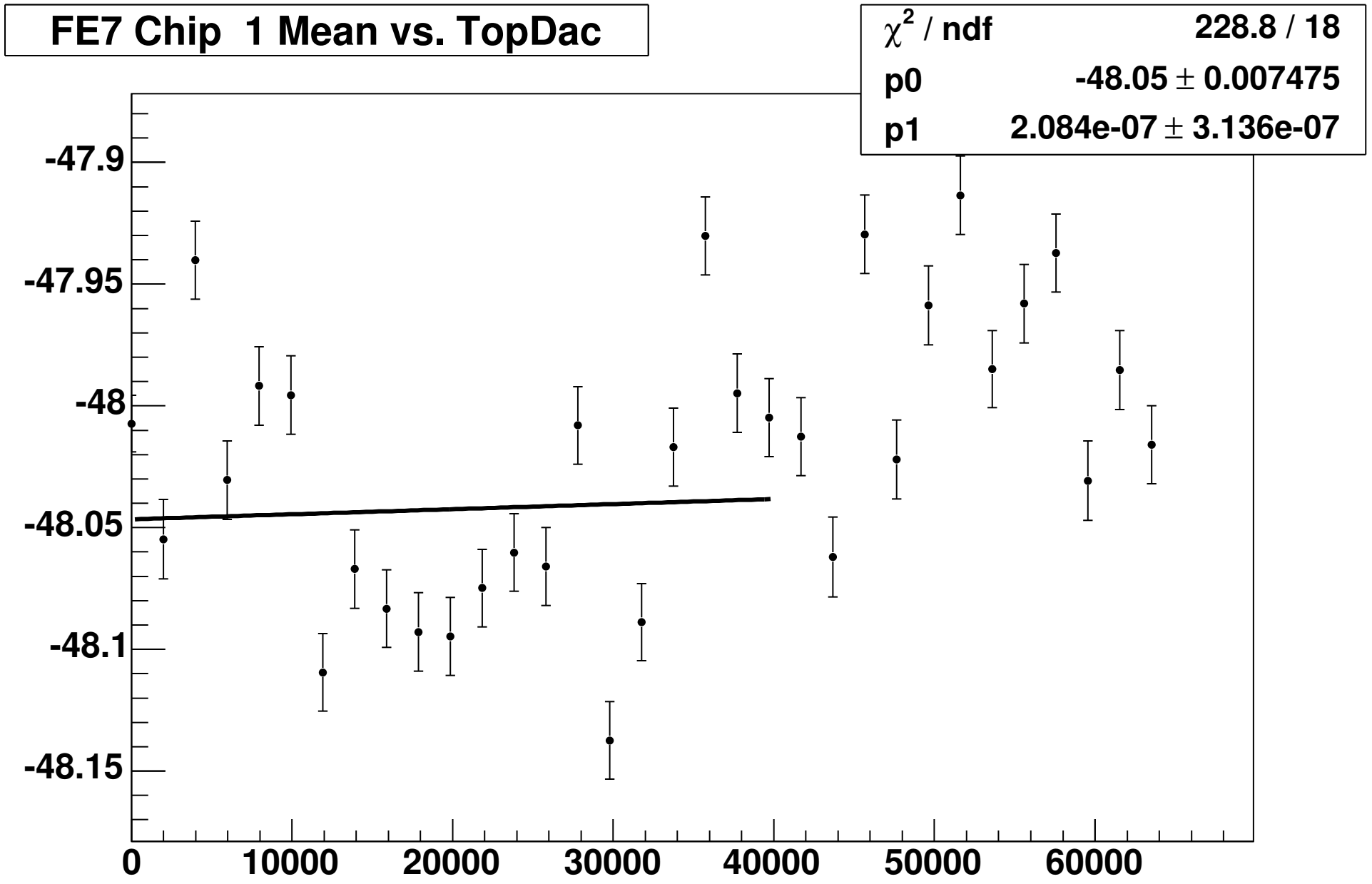
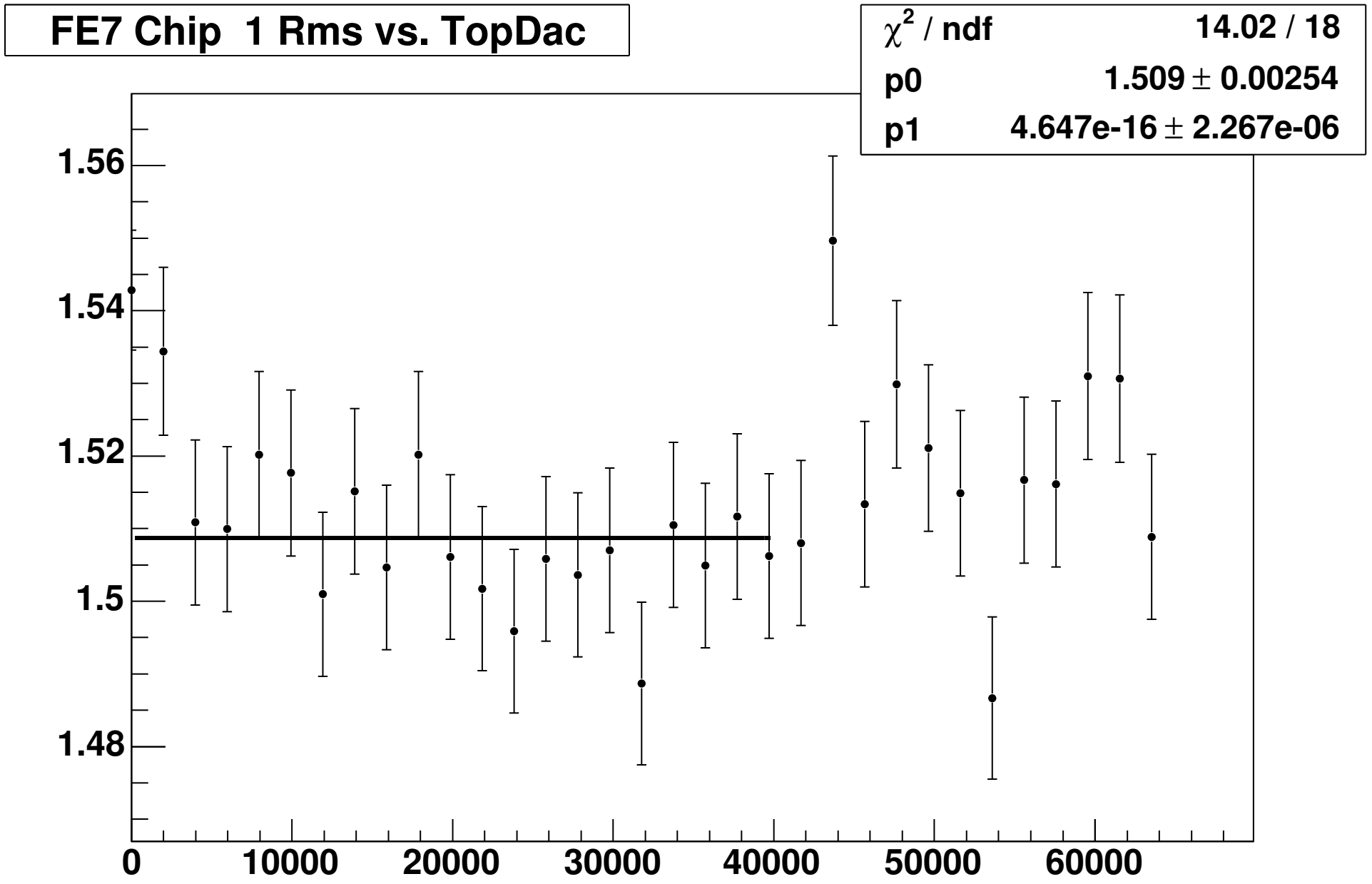

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 218.7 / 18
p0 -45.91 ± 0.007398
p1 -2.847e-07 ± 3.108e-07
-45.8
-45.85
-45.9
-45.95
-46
-46.05
0
10000
20000
30000
40000
50000
60000

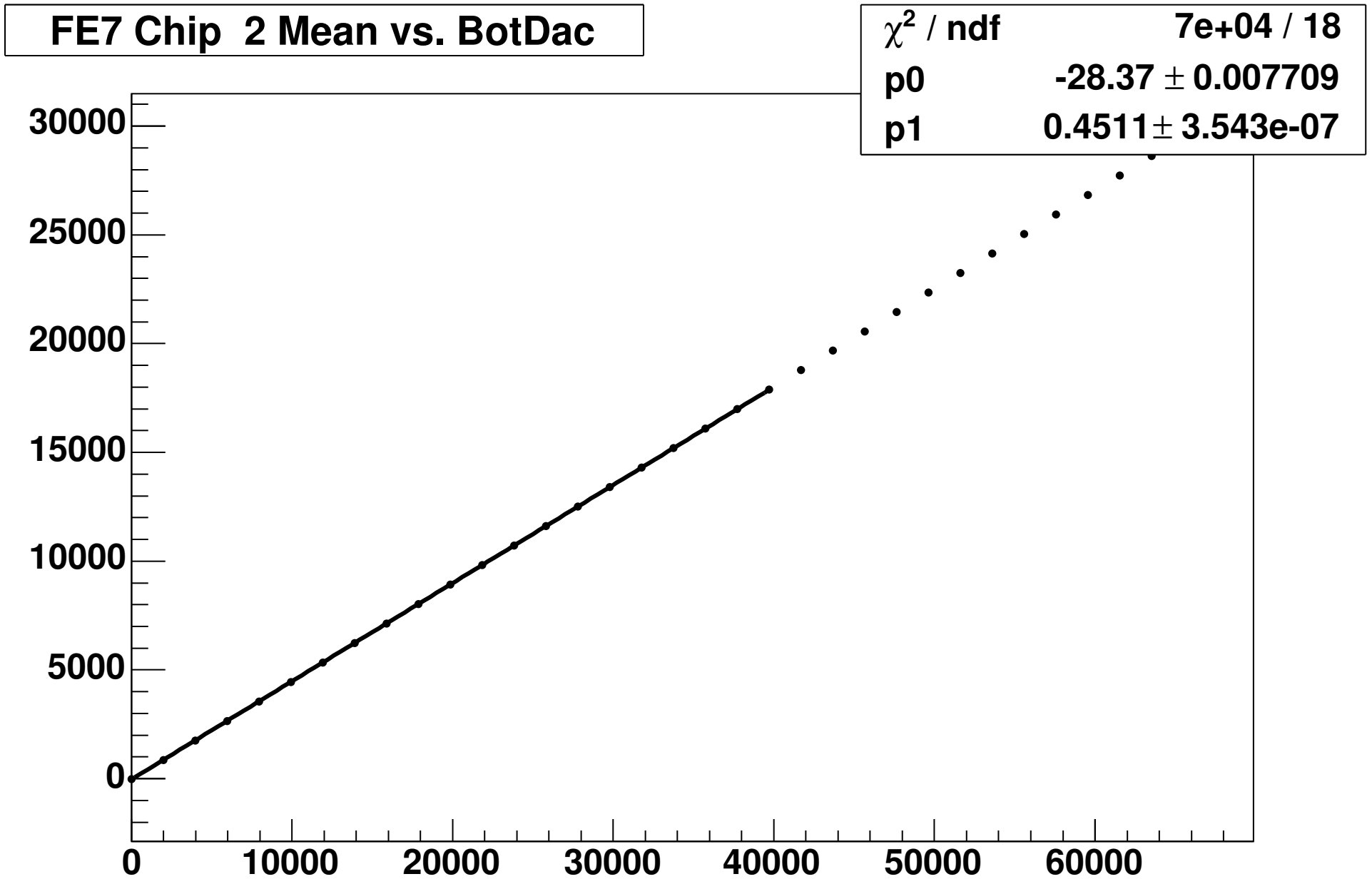

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 12.15 / 18
p0 1.497 ± 0.002518
p1 3.319e-13 ± 3.303e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

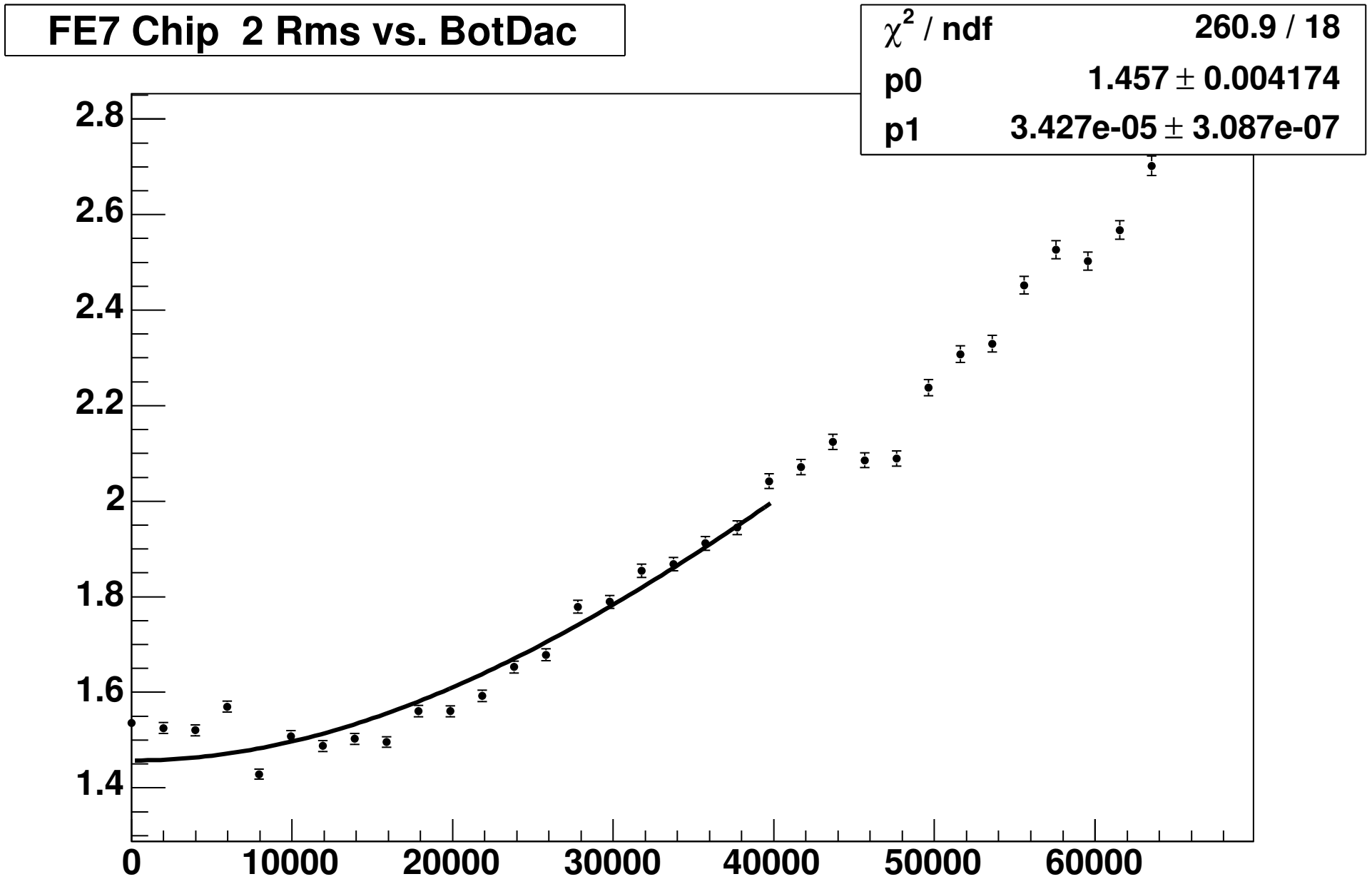

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 6.369e+04 / 18
p0 -47.54 ± 0.007457
p1 0.451 ± 3.46e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

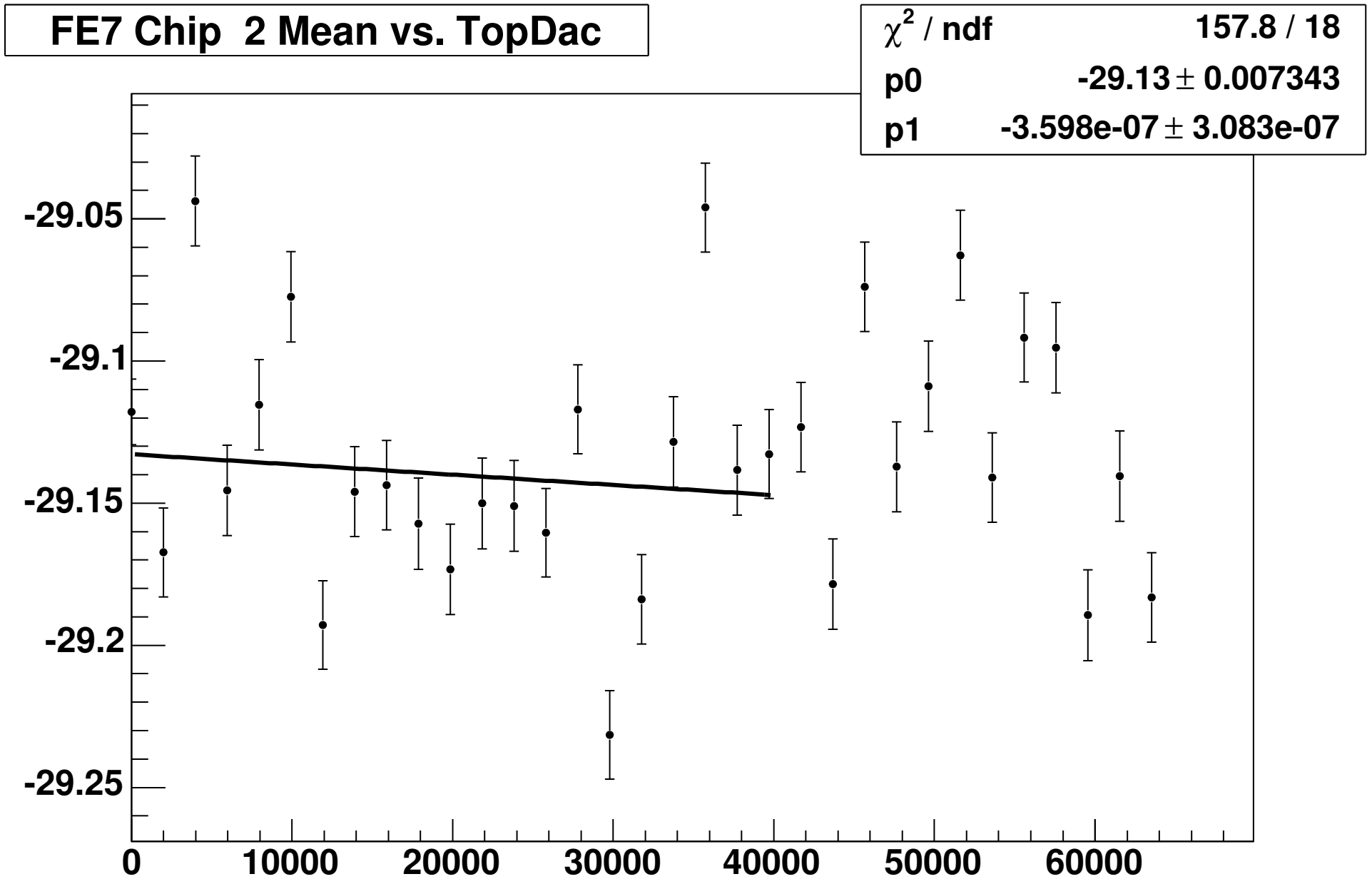

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 544 / 18
p0 1.381 ± 0.004022
p1 3.472e-05 ± 2.869e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

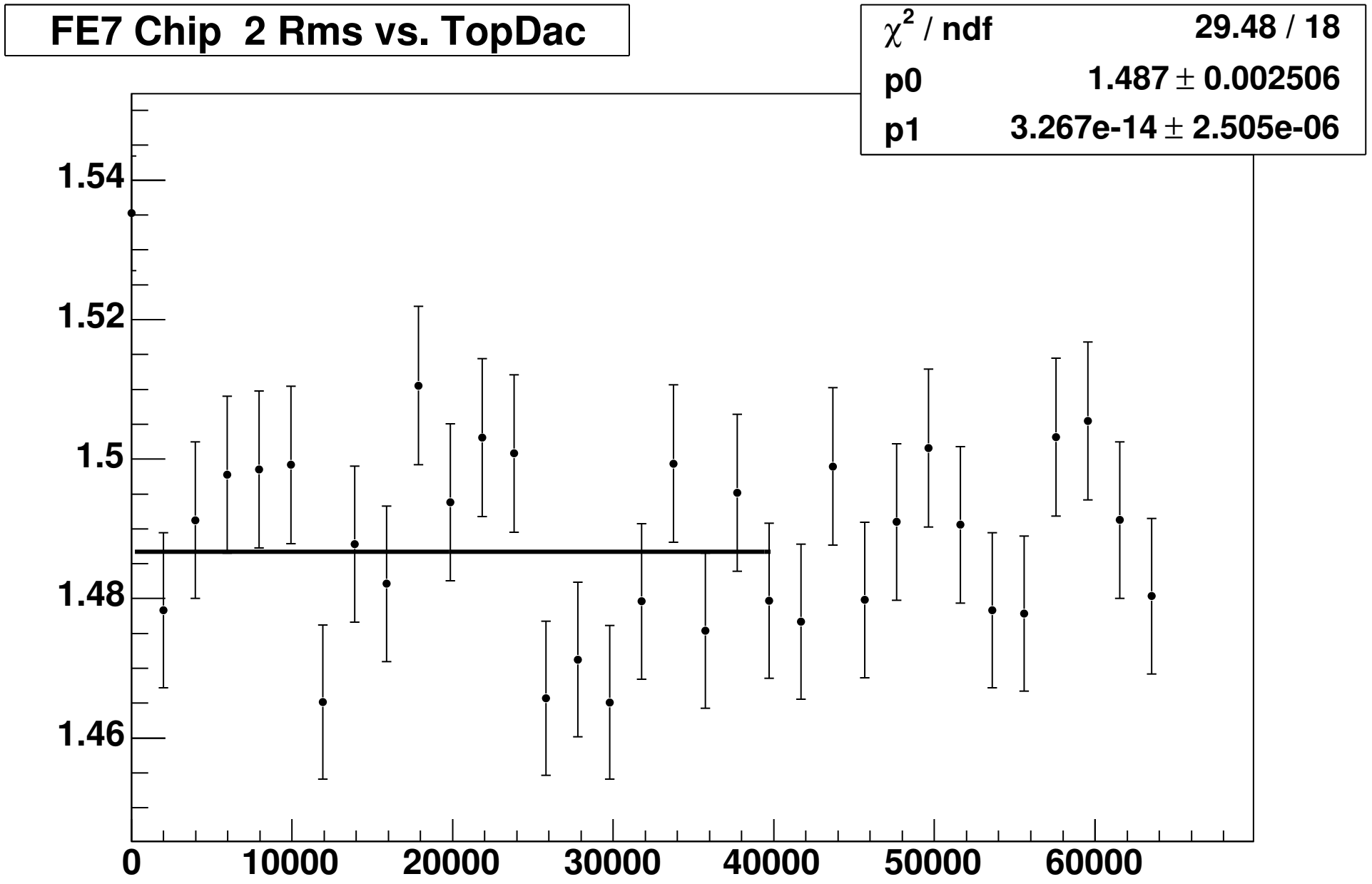

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 228.8 / 18
p0 -48.05 ± 0.007475
p1 2.084e-07 ± 3.136e-07
-47.9
-47.95
-48
-48.05
-48.1
-48.15
0
10000
20000
30000
40000
50000
60000

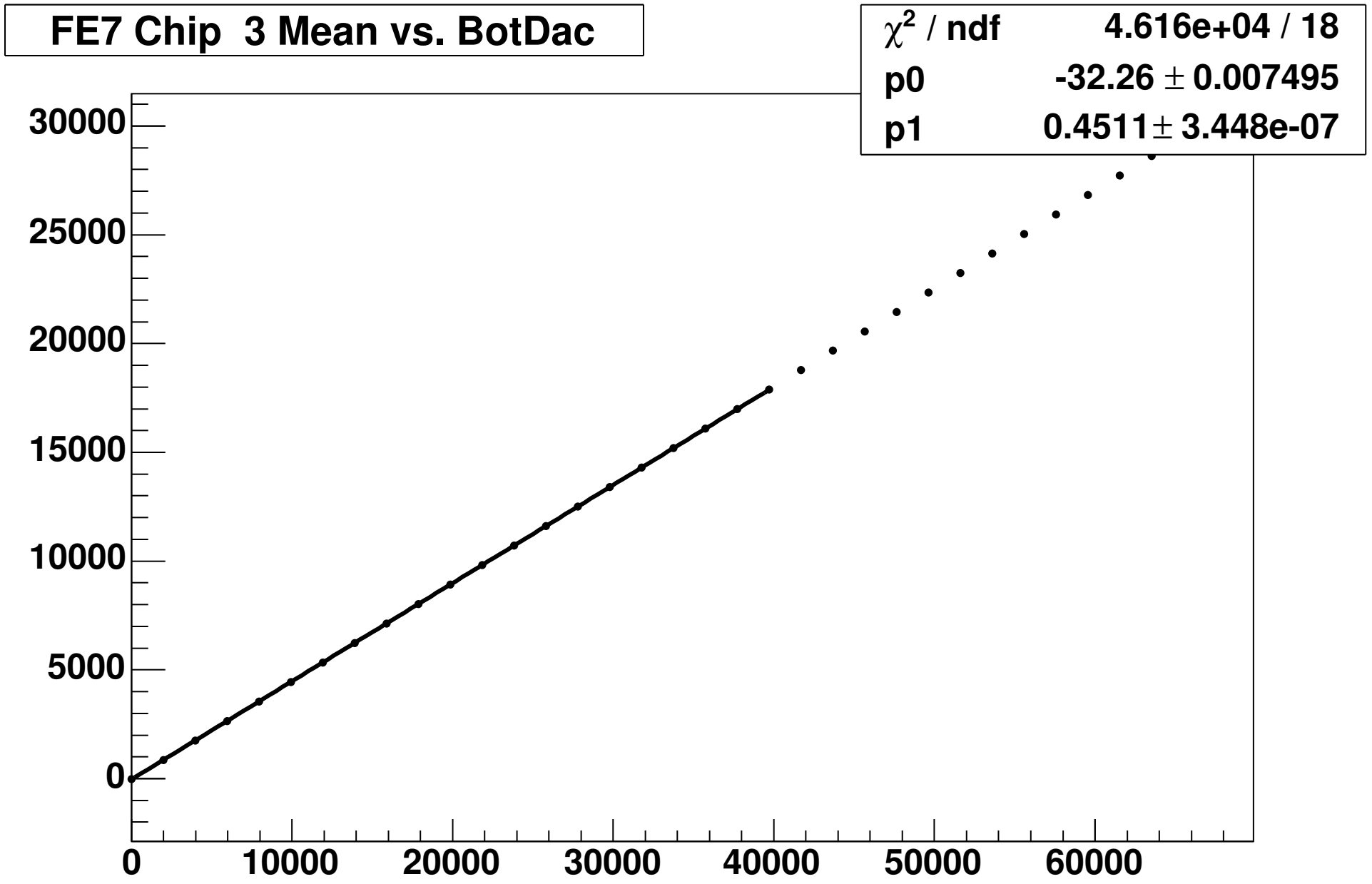

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 14.02 / 18
p0 1.509 ± 0.00254
p1 4.647e-16 ± 2.267e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

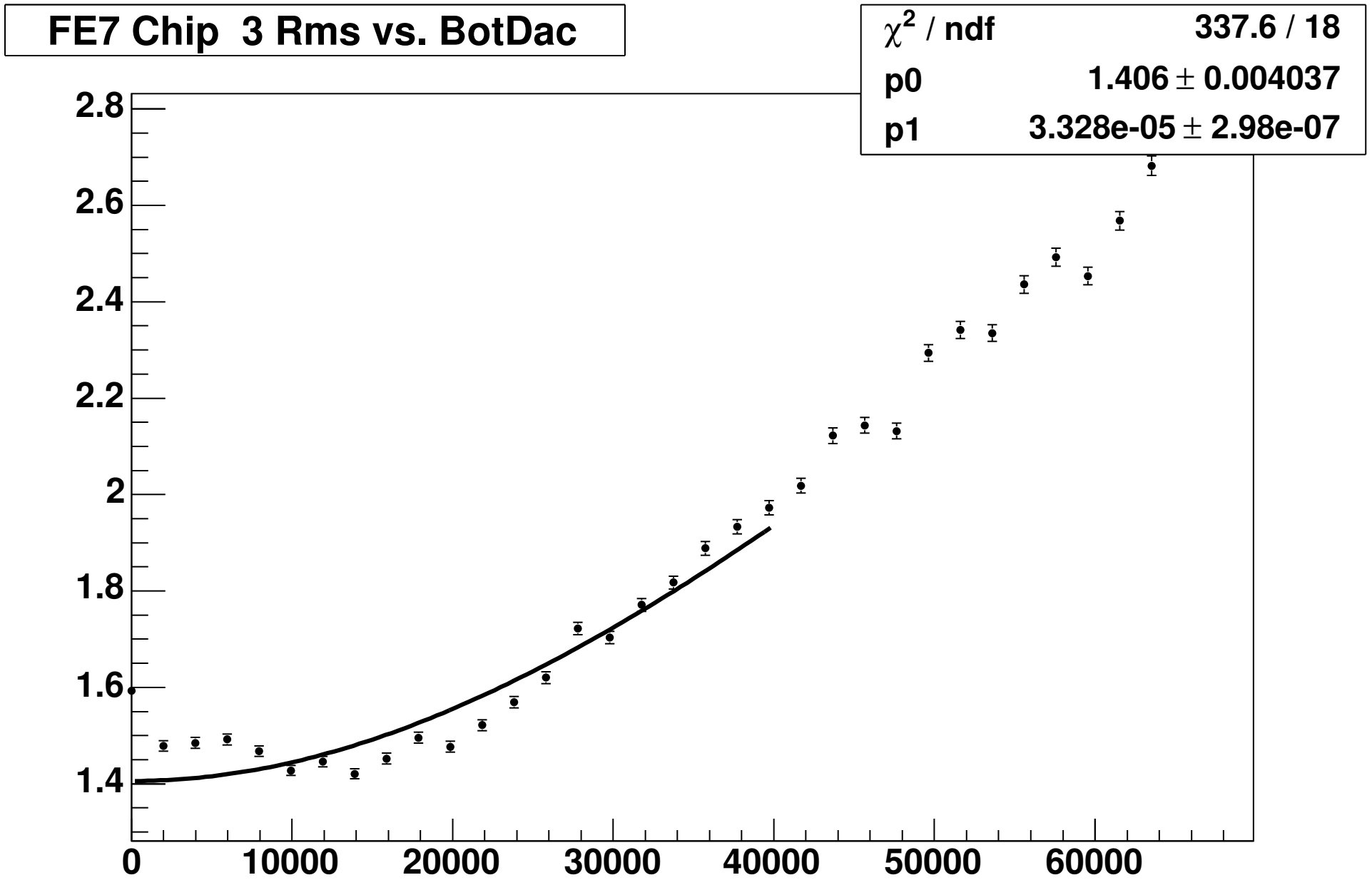

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 7e+04 / 18
p0 -28.37 ± 0.007709
p1 0.4511 ± 3.543e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 260.9 / 18
p0 1.457 ± 0.004174
p1 3.427e-05 ± 3.087e-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 2 Mean vs. TopDac
χ² / ndf 157.8 / 18
p0 -29.13 ± 0.007343
p1 -3.598e-07 ± 3.083e-07
-29.05
-29.1
-29.15
-29.2
-29.25
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 29.48 / 18
p0 1.487 ± 0.002506
p1 3.267e-14 ± 2.505e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.616e+04 / 18
p0 -32.26 ± 0.007495
p1 0.4511 ± 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 337.6 / 18
p0 1.406 ± 0.004037
p1 3.328e-05 ± 2.98e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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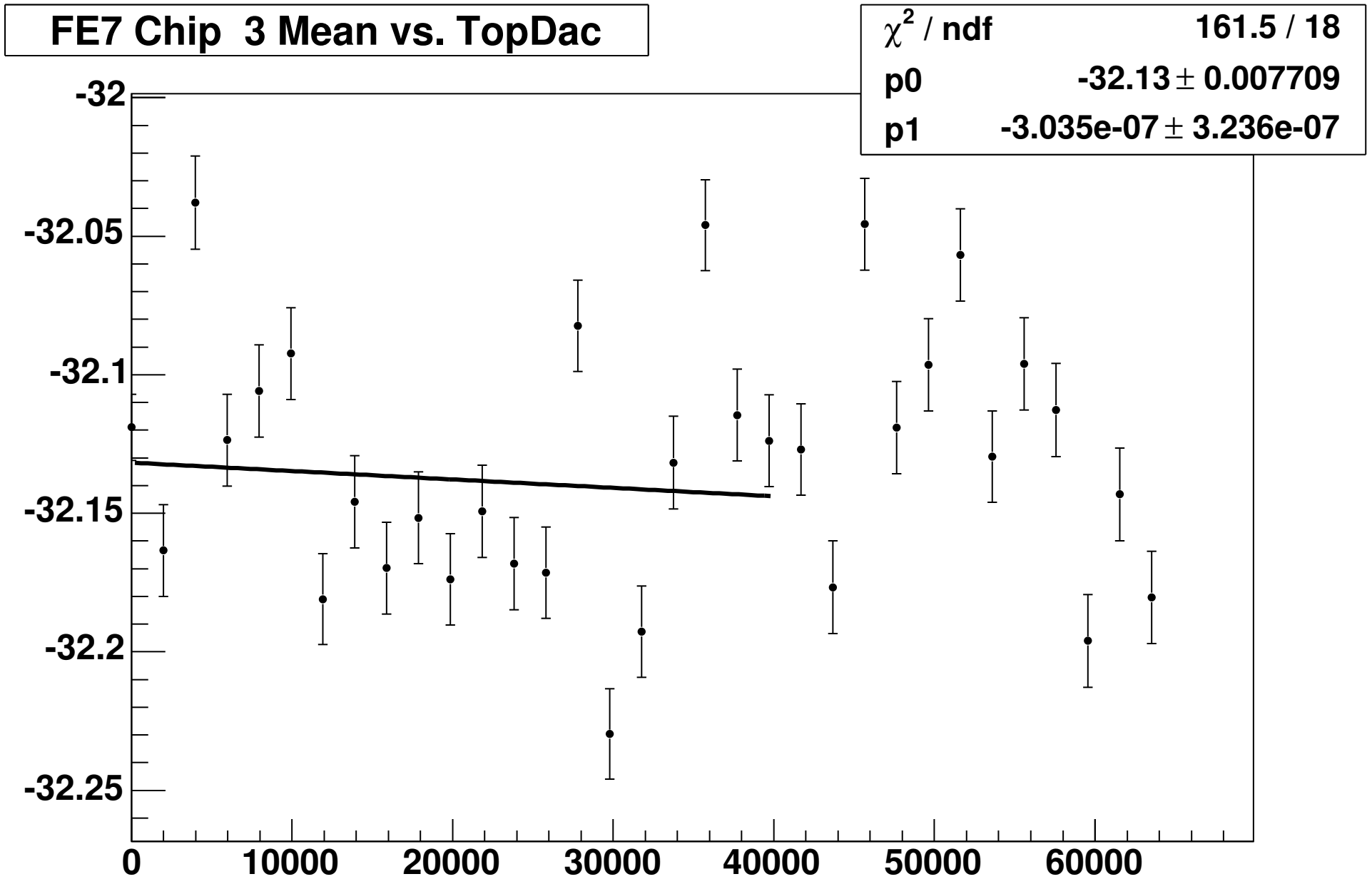
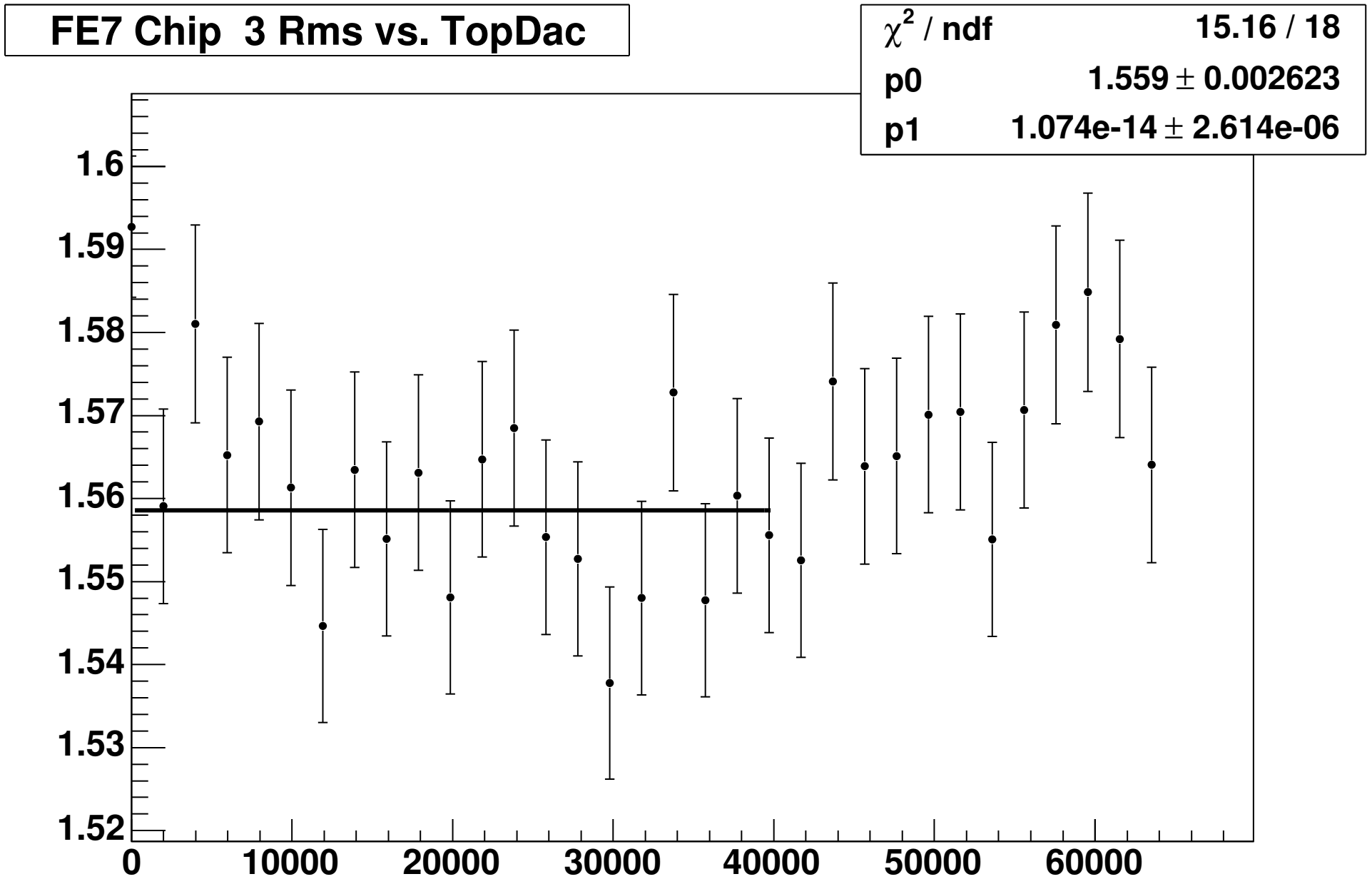
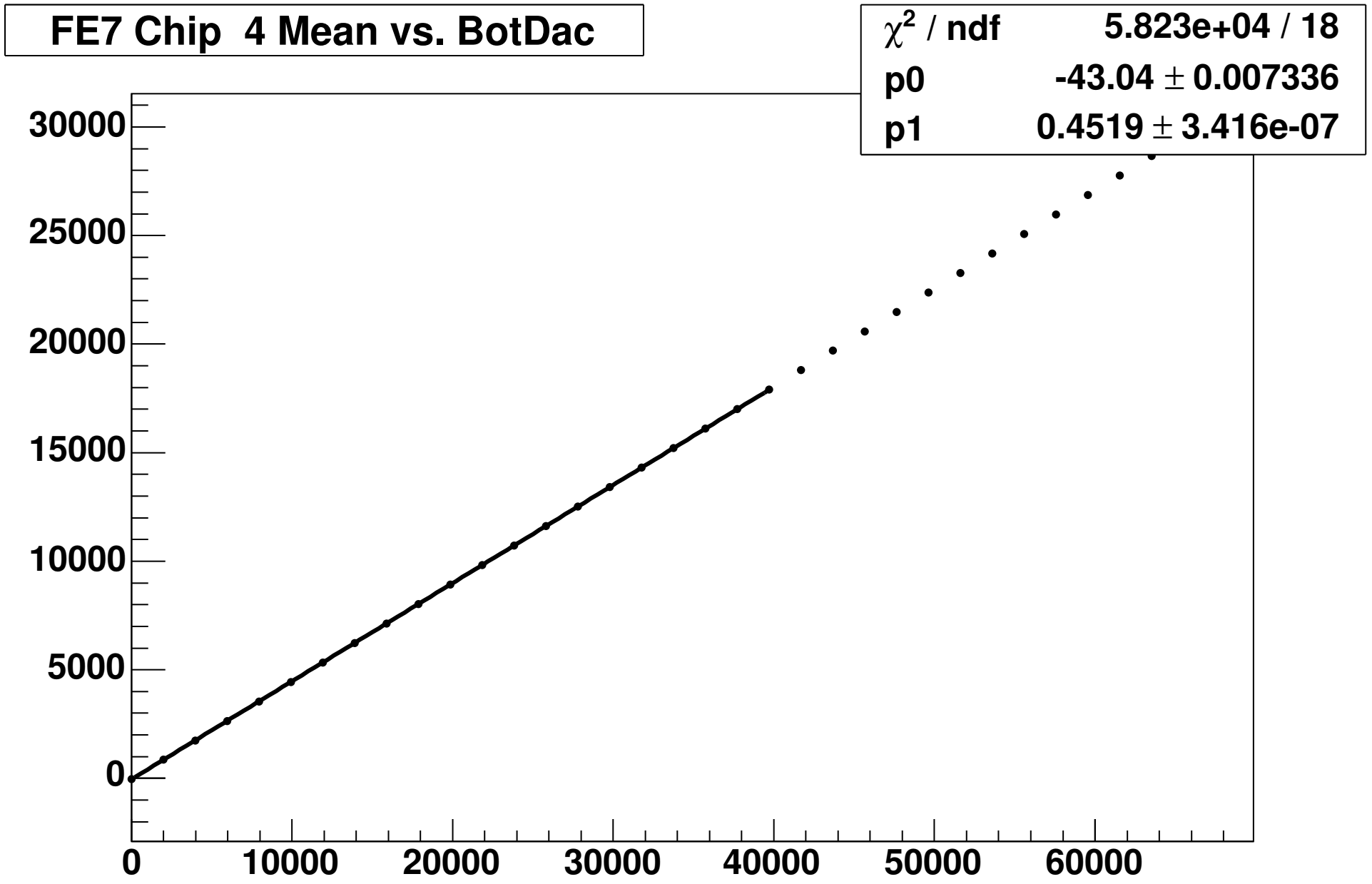
40000
50000
60000


FE7 Chip 3 Mean vs. TopDac
χ^2 / ndf 161.5 / 18
p0 -32.13 ± 0.007709
p1 -3.035e-07 ± 3.236e-07
-32
-32.05
-32.1
-32.15
-32.2
-32.25
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 15.16 / 18
p0 1.559 ± 0.002623
p1 1.074e-14 ± 2.614e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 5.823e+04 / 18
p0 -43.04 ± 0.007336
p1 0.4519 ± 3.416e-07
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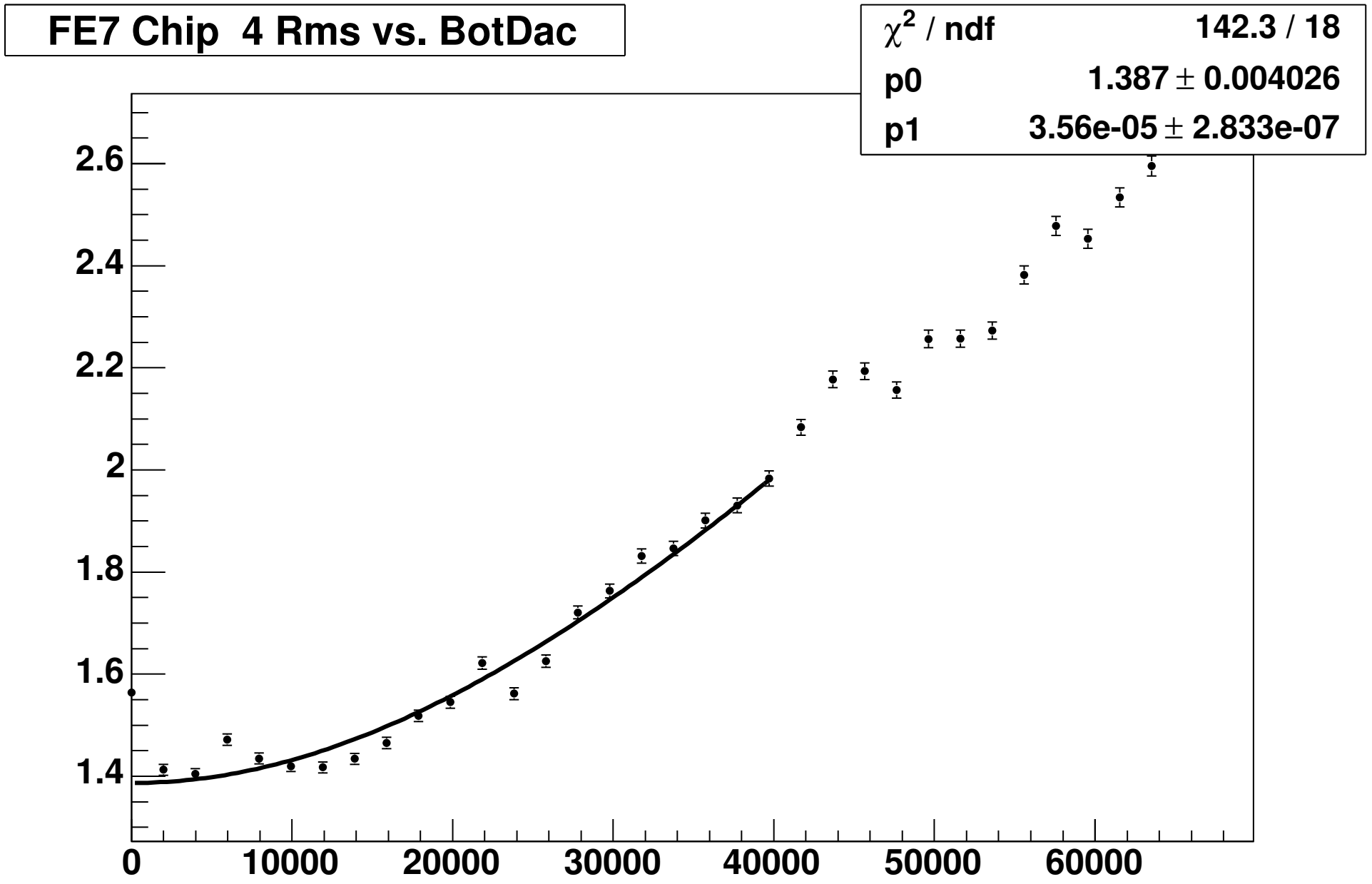
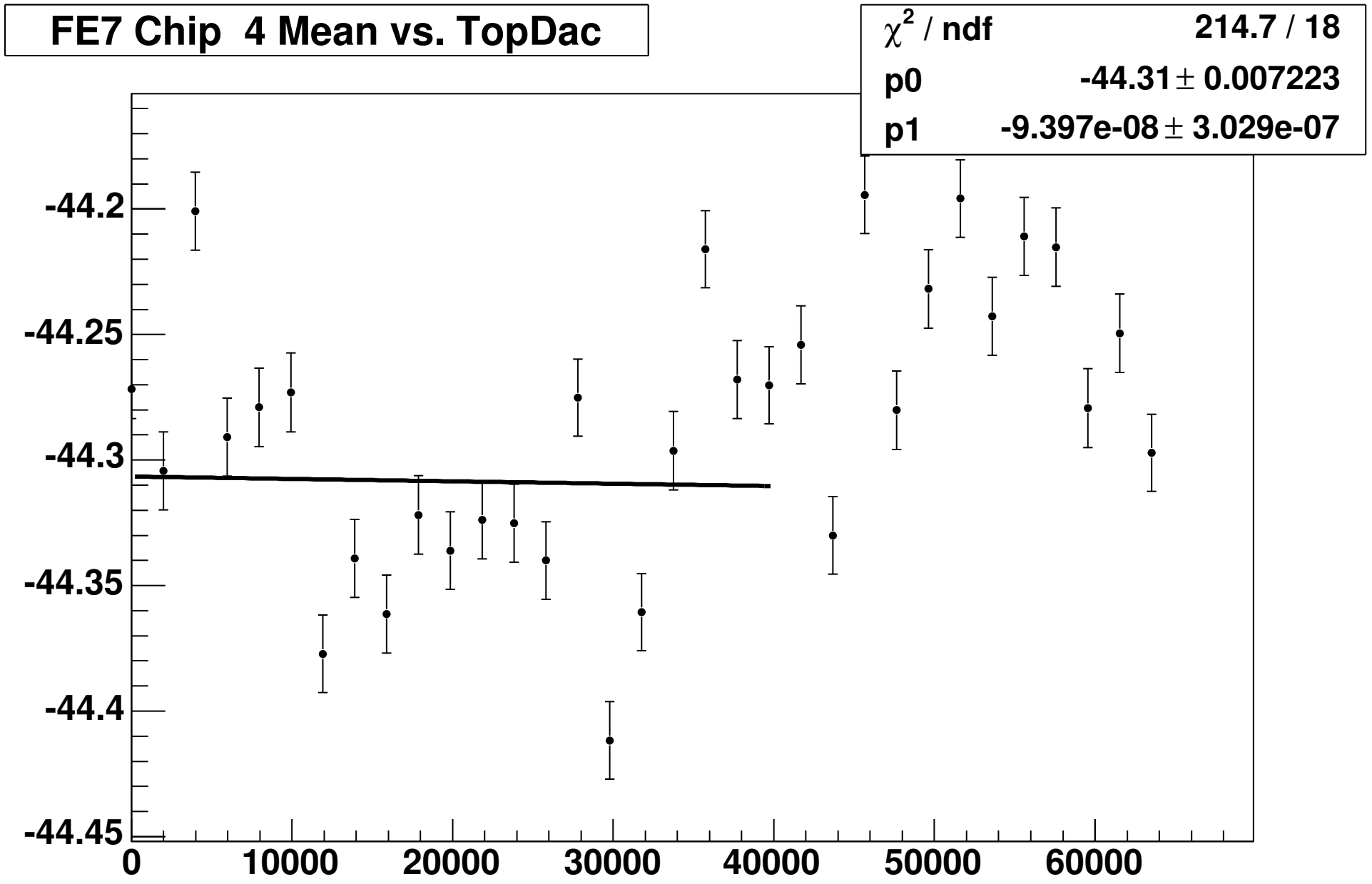
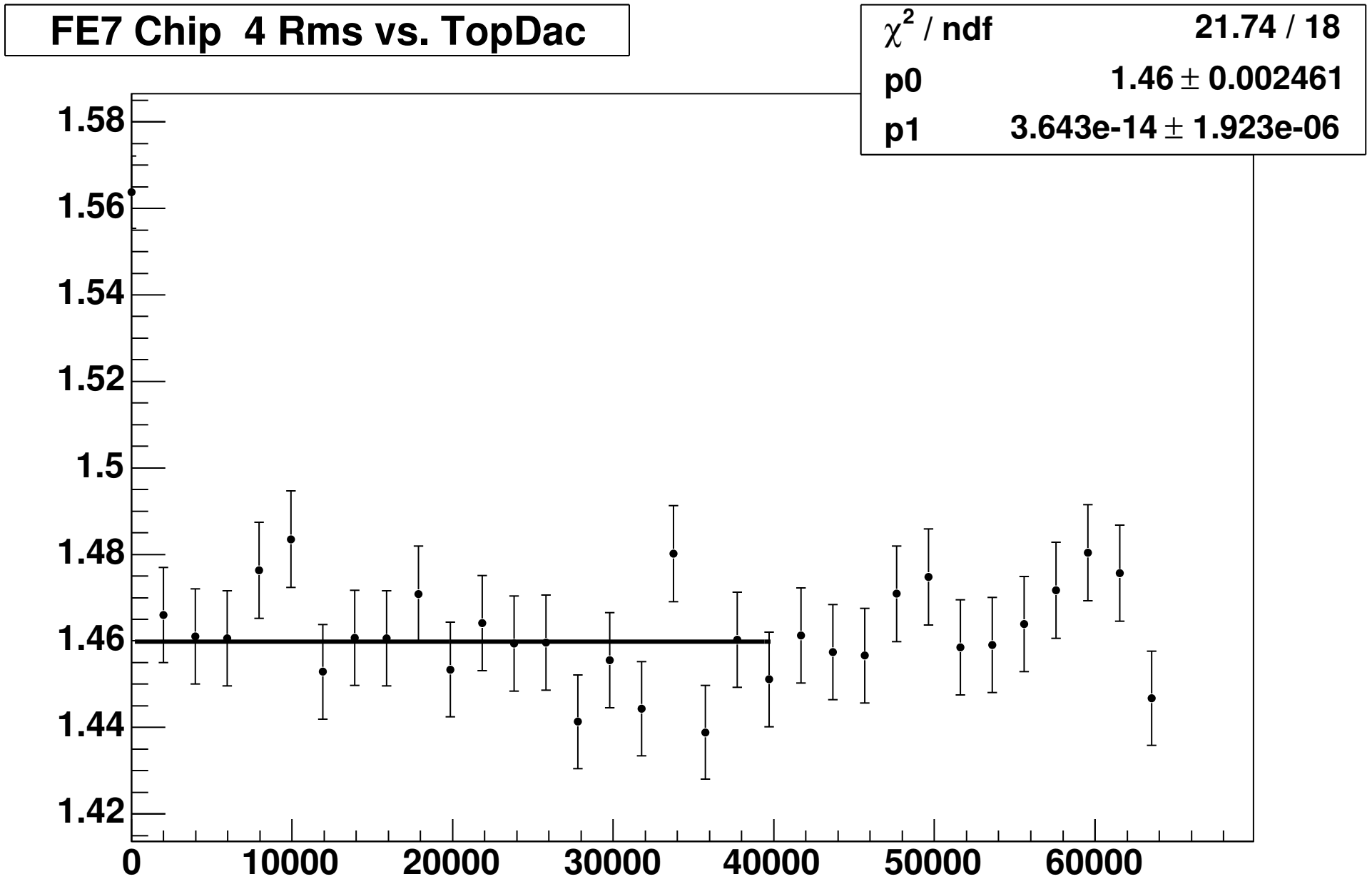
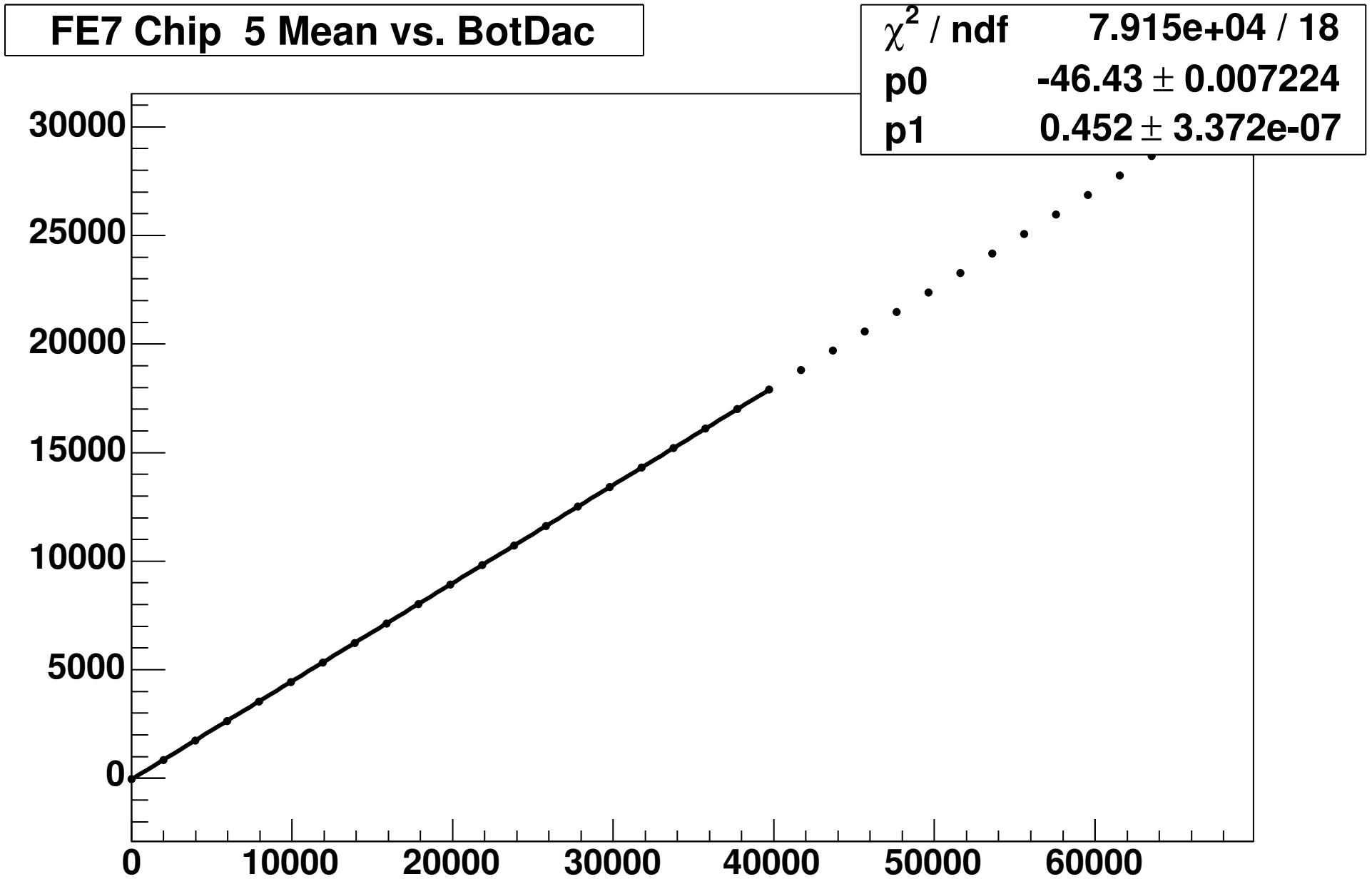
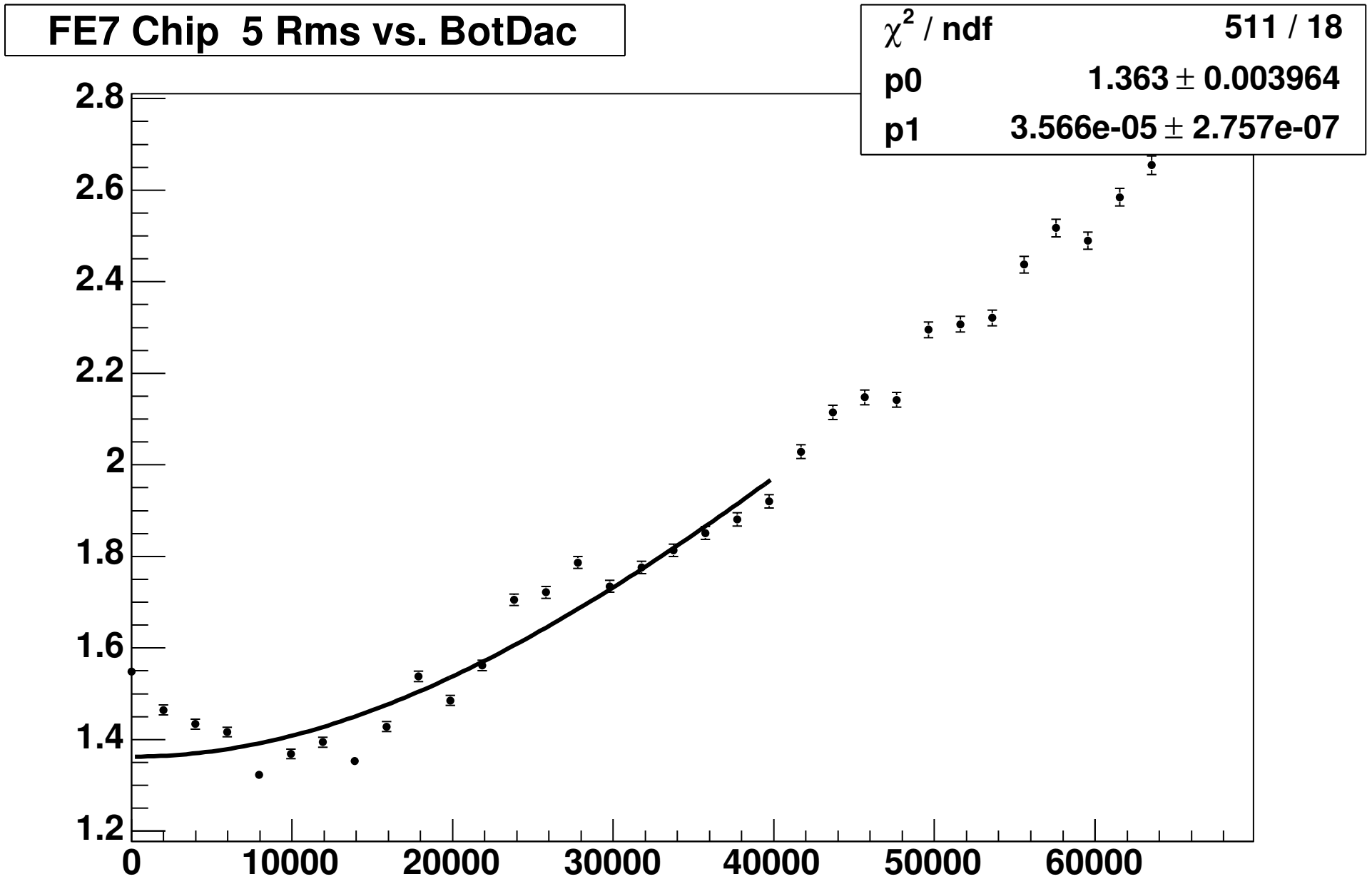
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

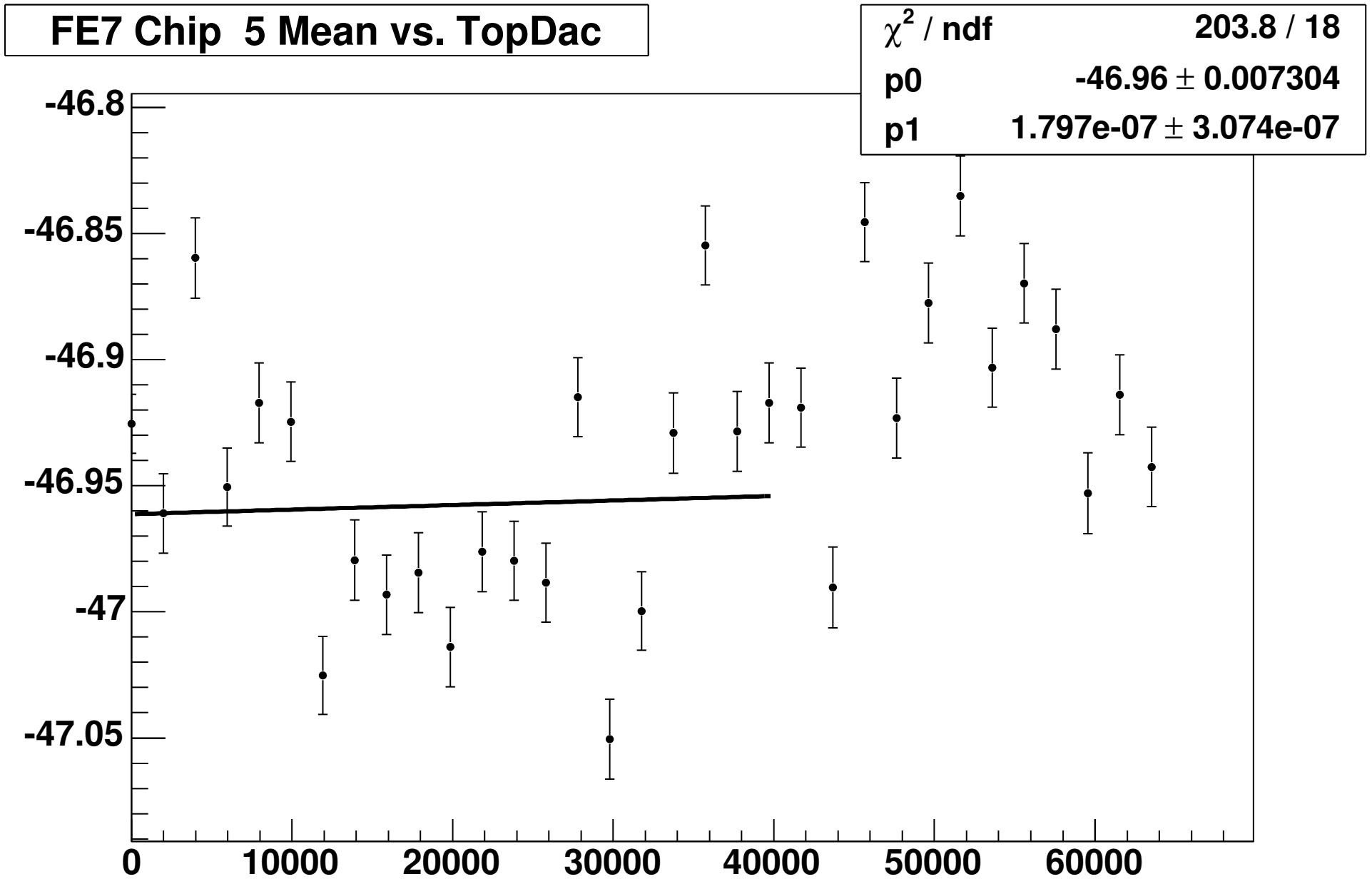

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 142.3 / 18
p0 1.387 ± 0.004026
p1 3.56e-05 ± 2.833e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

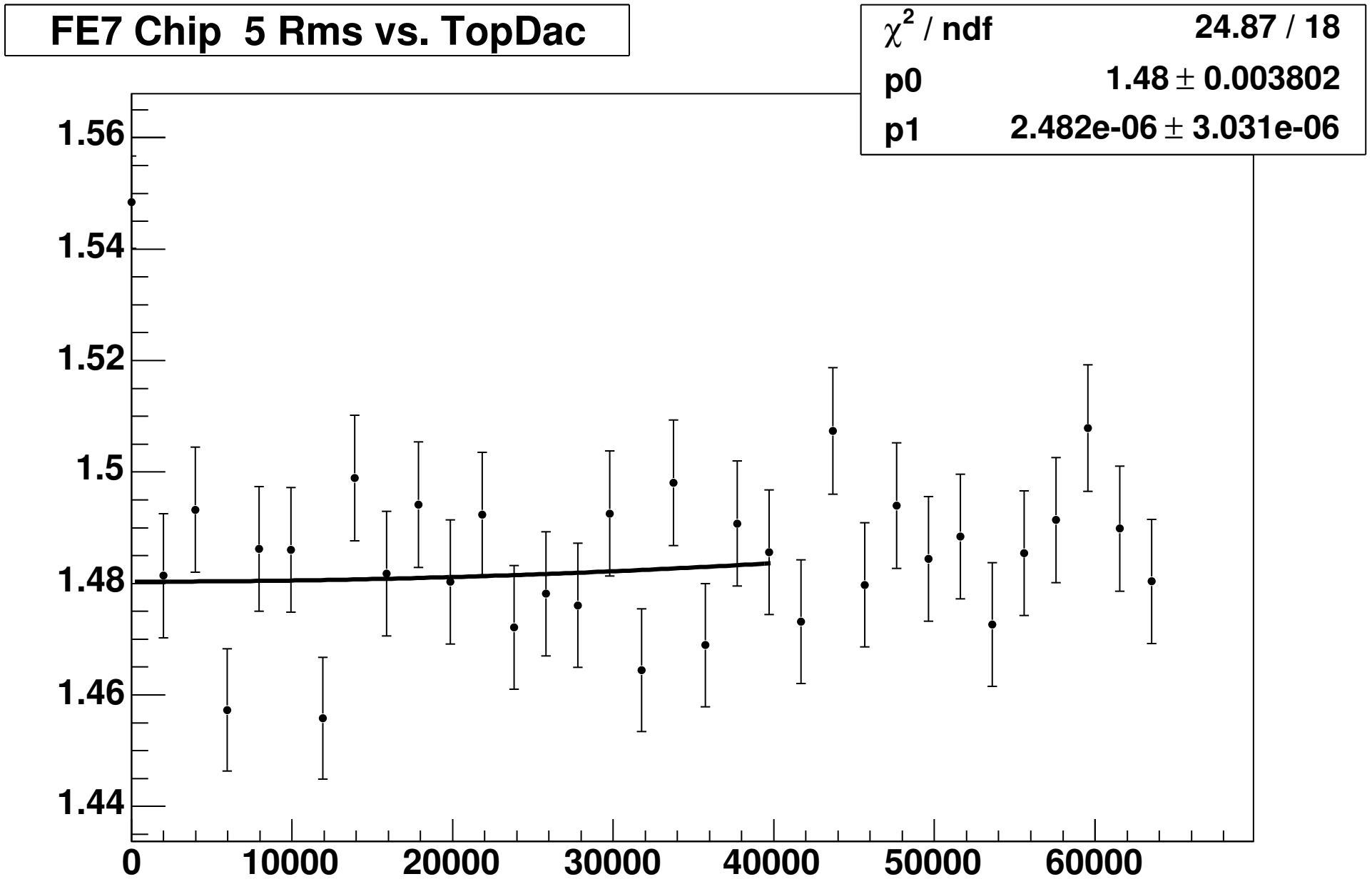

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 214.7 / 18
p0 -44.31 ± 0.007223
p1 -9.397e-08 ± 3.029e-07
-44.2
-44.25
-44.3
-44.35
-44.4
-44.45
0
10000
20000
30000
40000
50000
60000

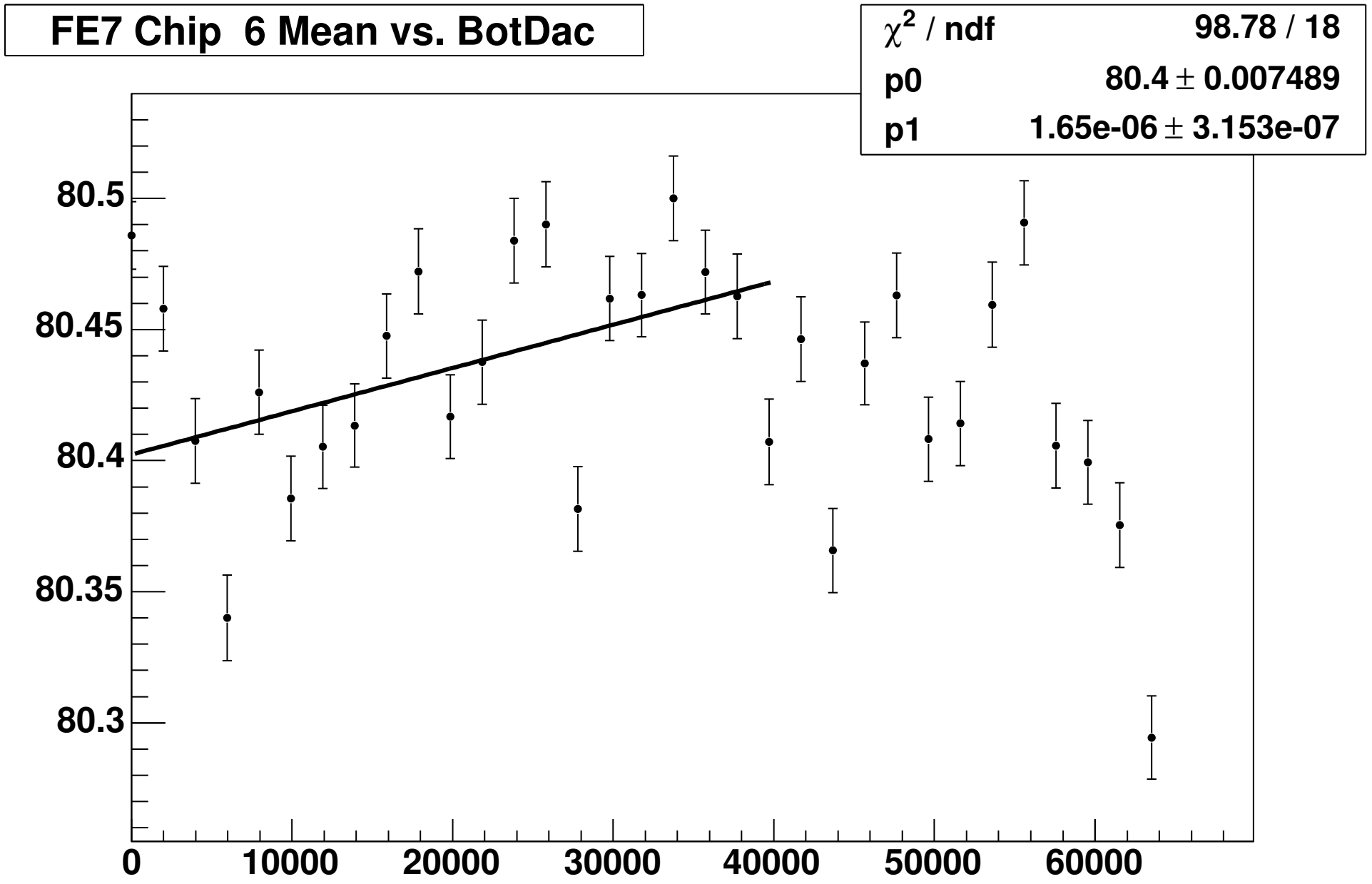

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 21.74 / 18
p0 1.46 ± 0.002461
p1 3.643e-14 ± 1.923e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

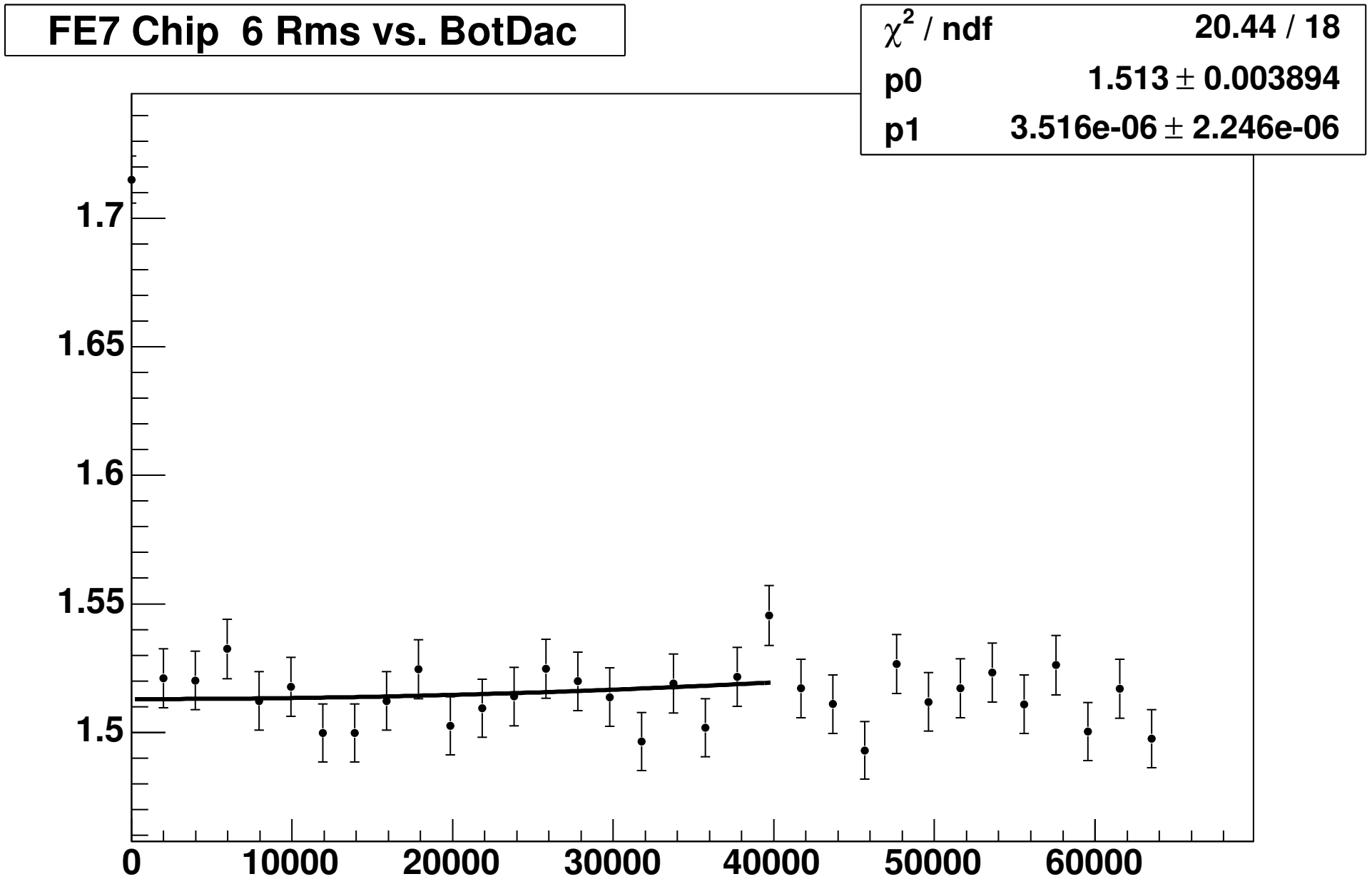

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 7.915e+04 / 18
p0 -46.43 ± 0.007224
p1 0.452 ± 3.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

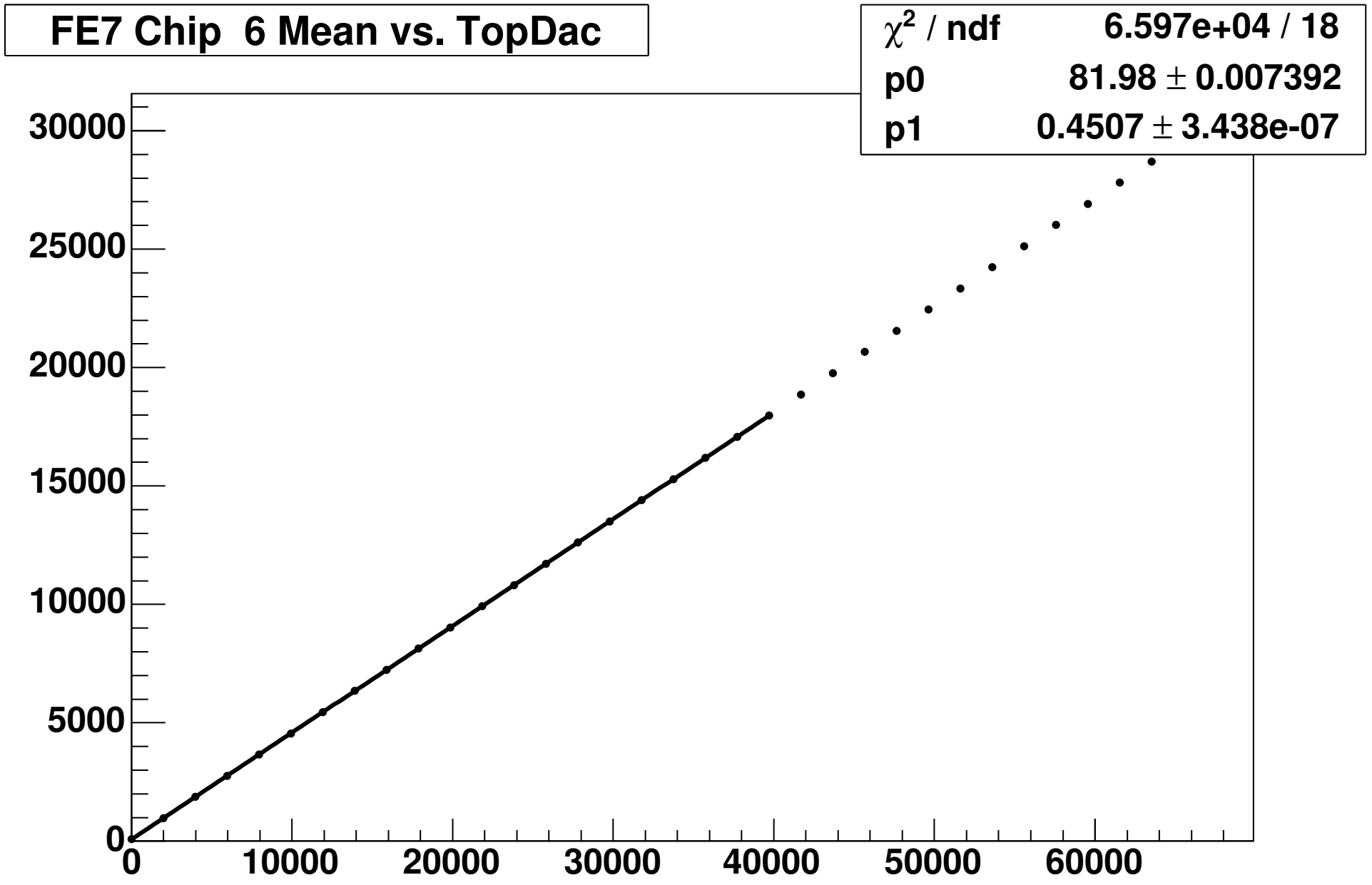

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 511 / 18
p0 1.363 ± 0.003964
p1 3.566e-05 ± 2.757e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

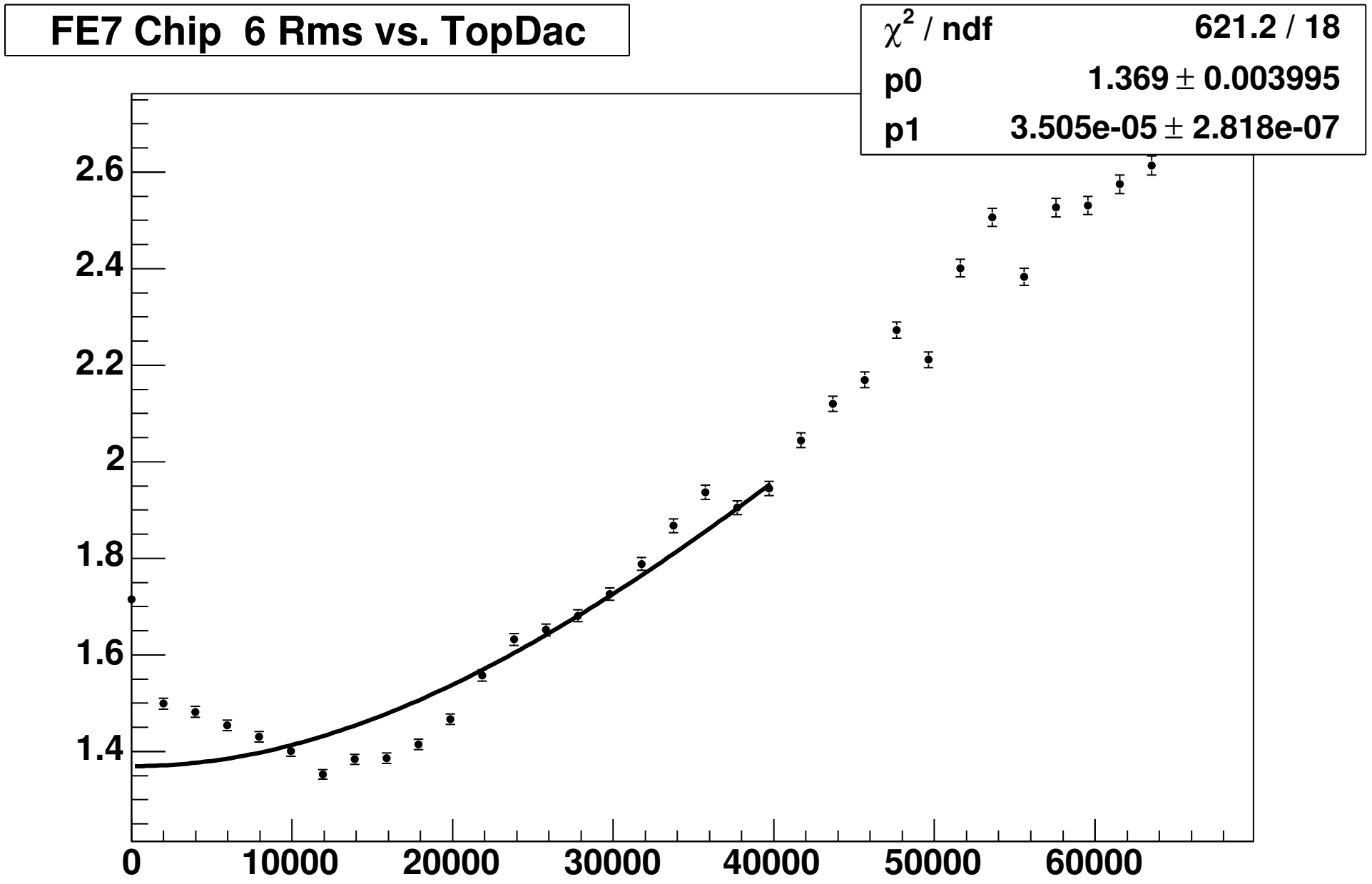

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 203.8 / 18
p0 -46.96 ± 0.007304
p1 1.797e-07 ± 3.074e-07
-46.8
-46.85
-46.9
-46.95
-47
-47.05
0
10000
20000
30000
40000
50000
60000

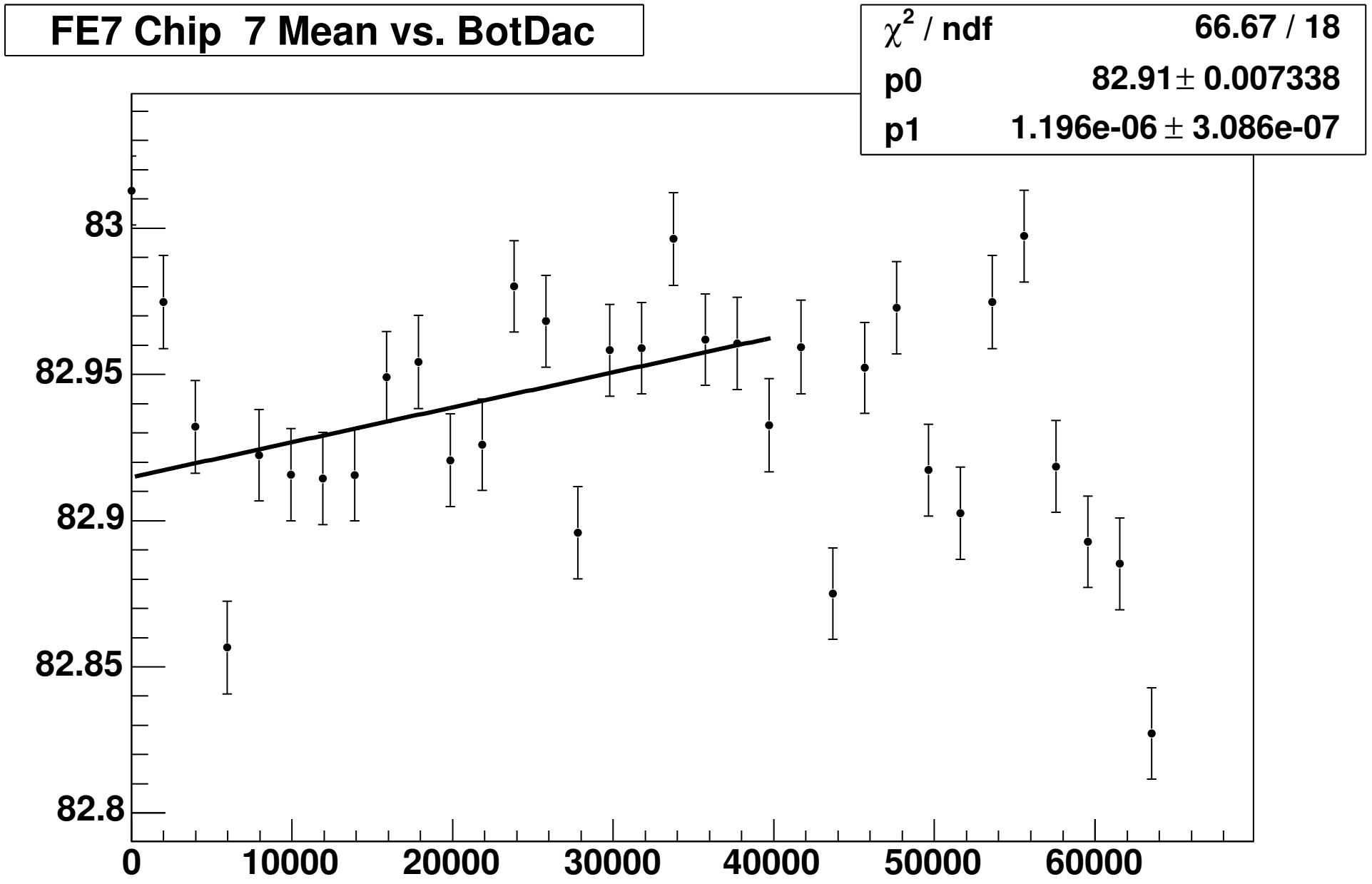

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 24.87 / 18
p0 1.48 ± 0.003802
p1 2.482e-06 ± 3.031e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

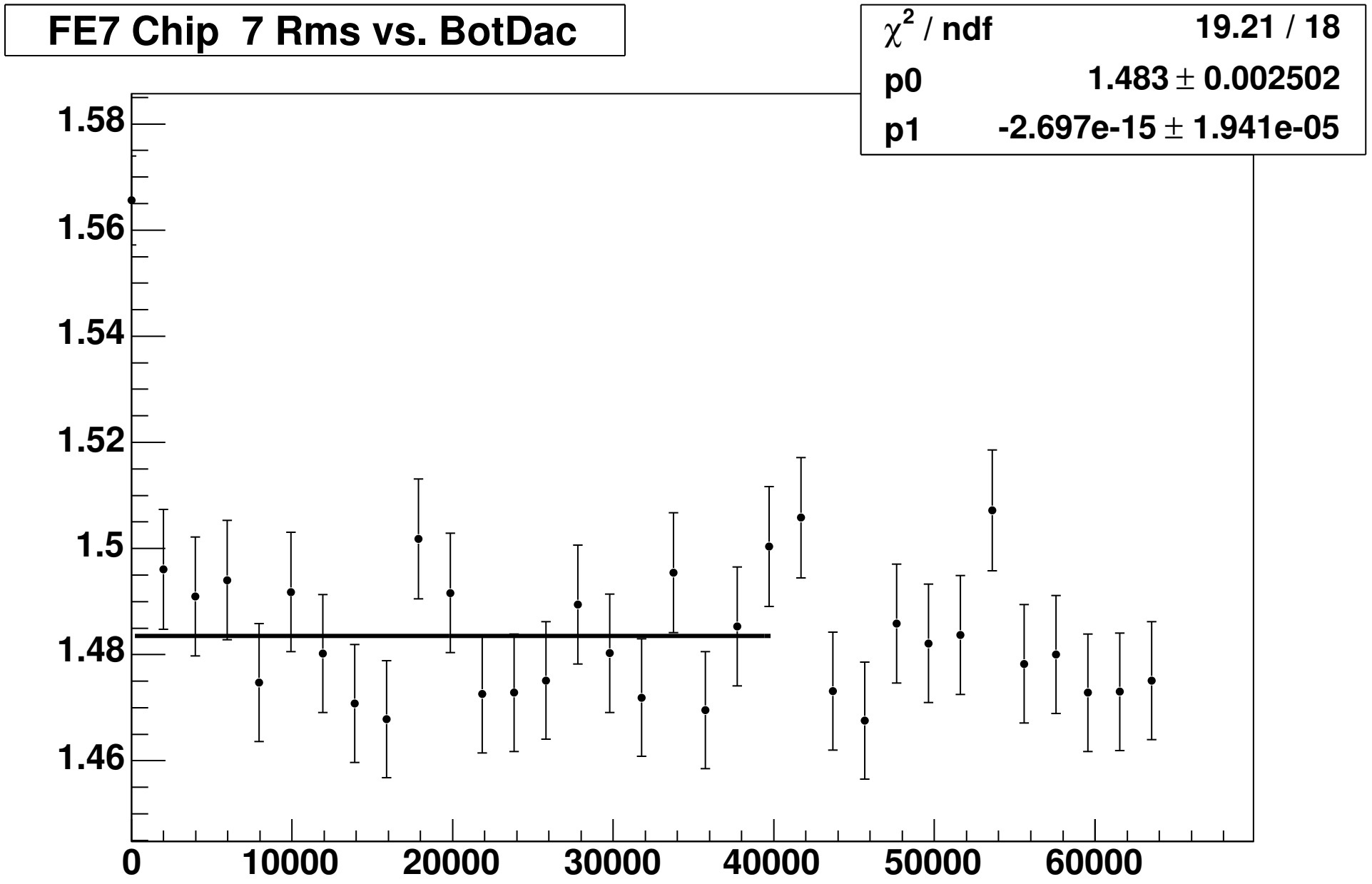

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 98.78 / 18
p0 80.4 ± 0.007489
p1 1.65e-06 ± 3.153e-07
80.5
80.45
80.4
80.35
80.3
0
10000
20000
30000
40000
50000
60000

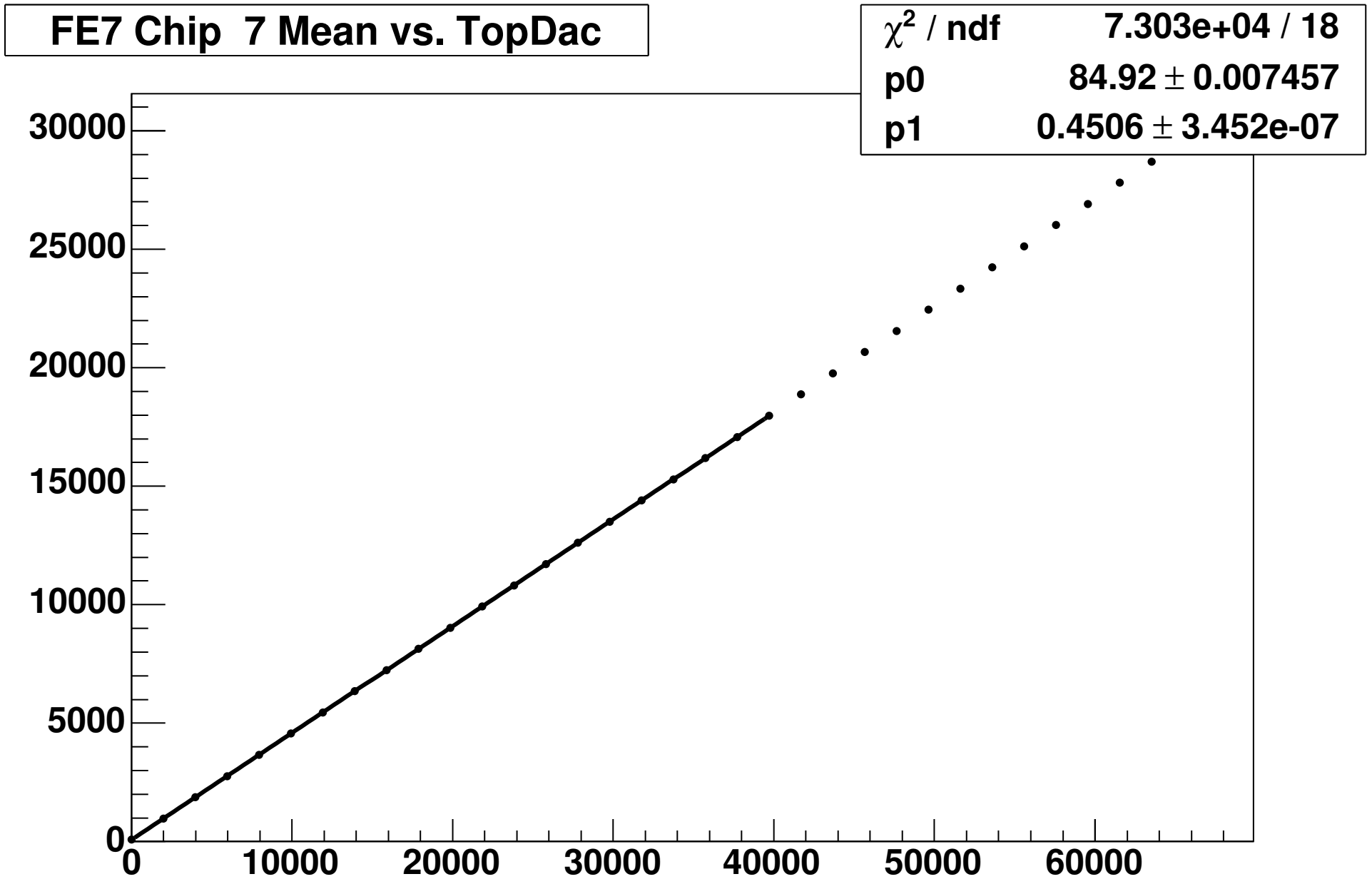

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 20.44 / 18
p0 1.513 ± 0.003894
p1 3.516e-06 ± 2.246e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

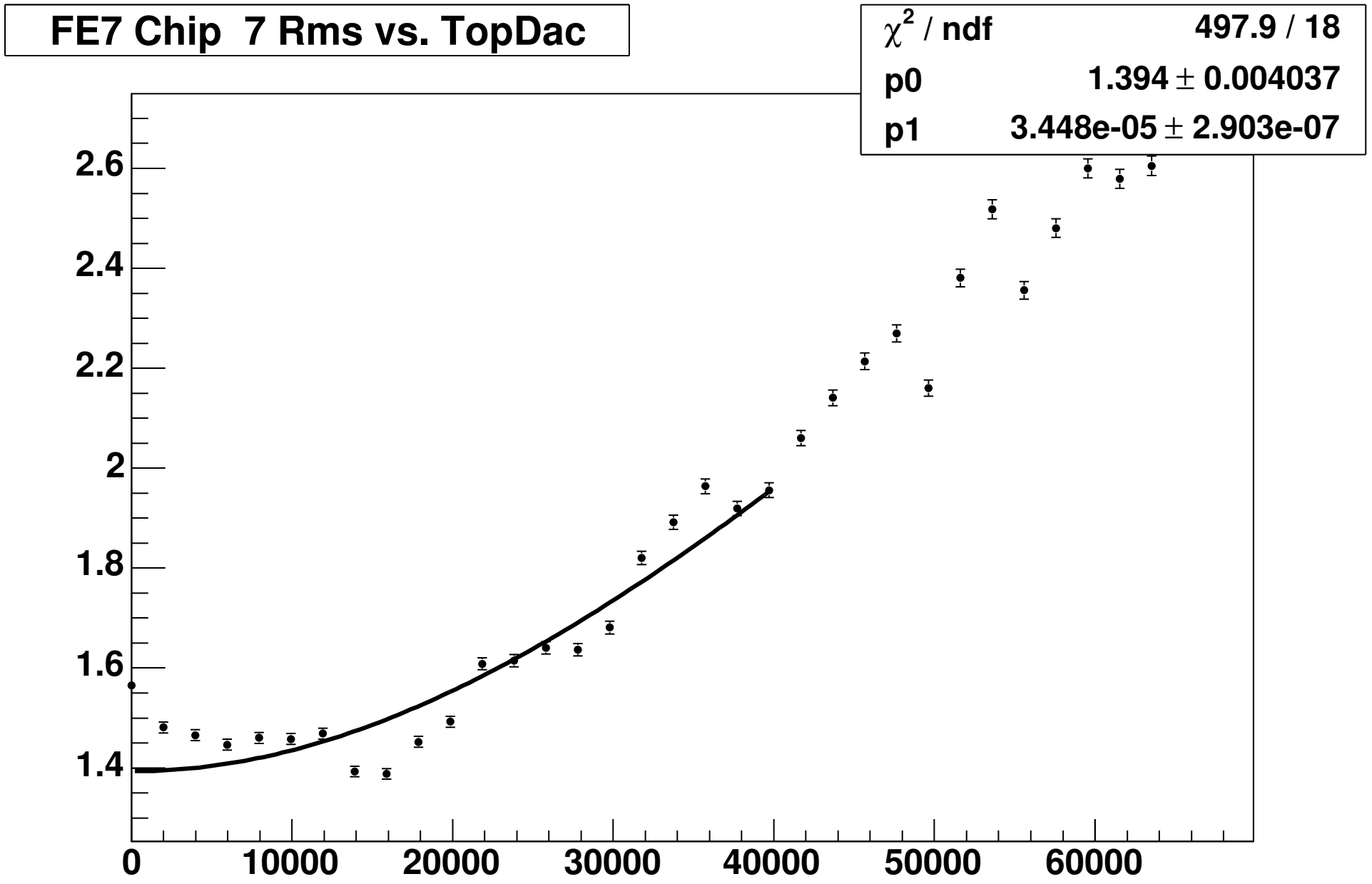

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 6.597e+04 / 18
p0 81.98 ± 0.007392
p1 0.4507 ± 3.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

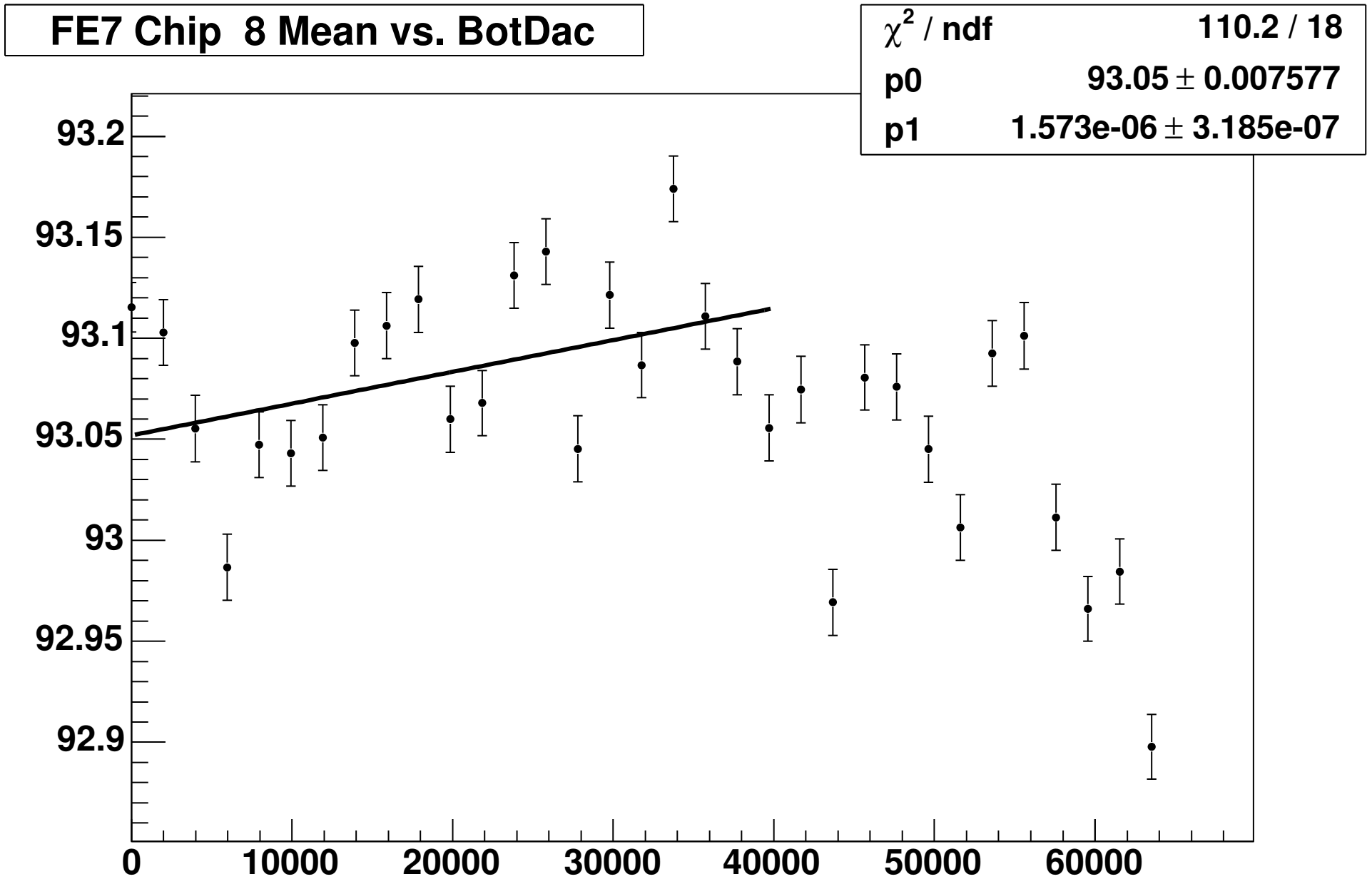

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 621.2 / 18
p0 1.369 ± 0.003995
p1 3.505e-05 ± 2.818e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

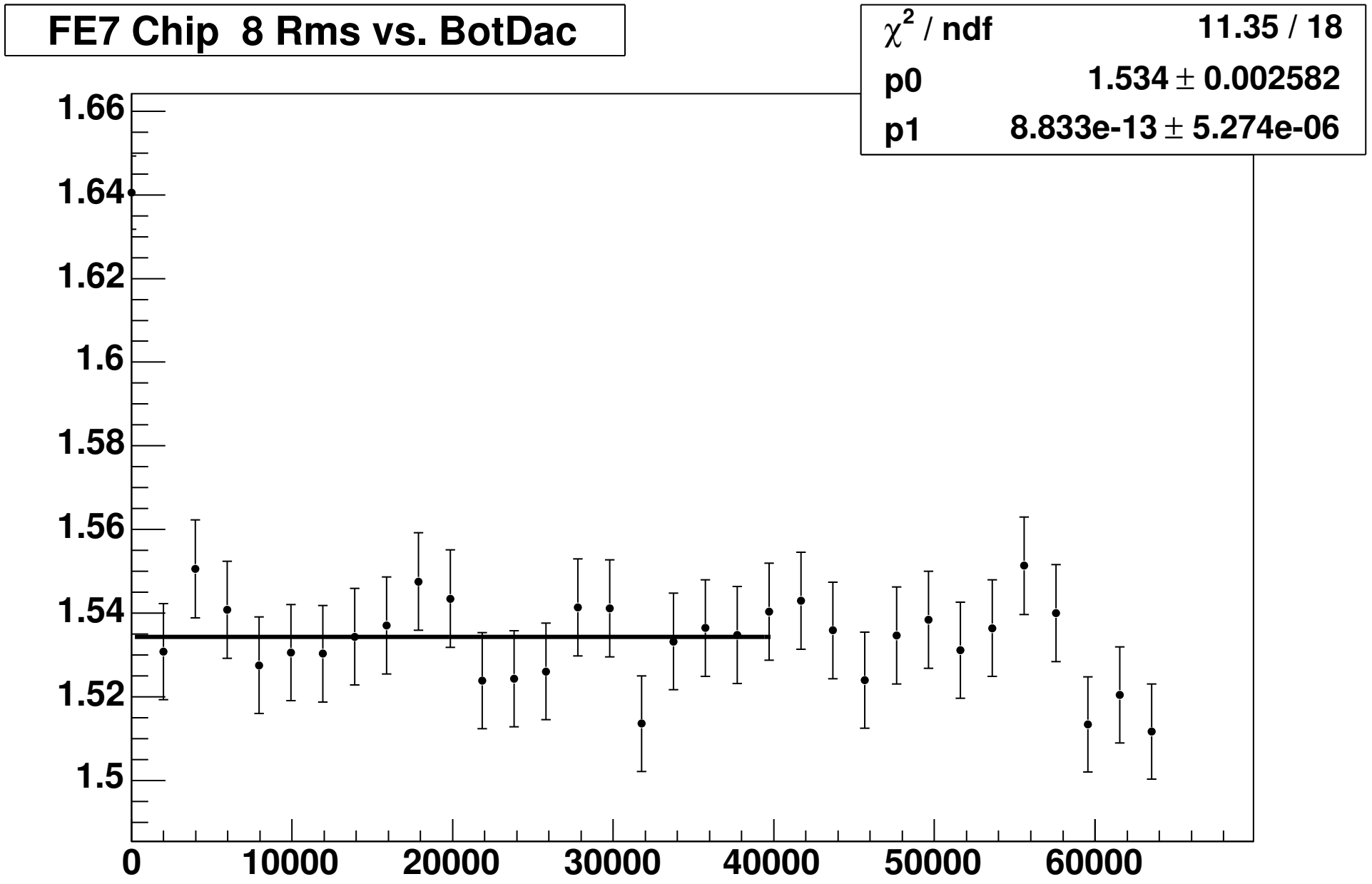

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 66.67 / 18
p0 82.91 ± 0.007338
p1 1.196e-06 ± 3.086e-07
83
82.95
82.9
82.85
82.8
0
10000
20000
30000
40000
50000
60000

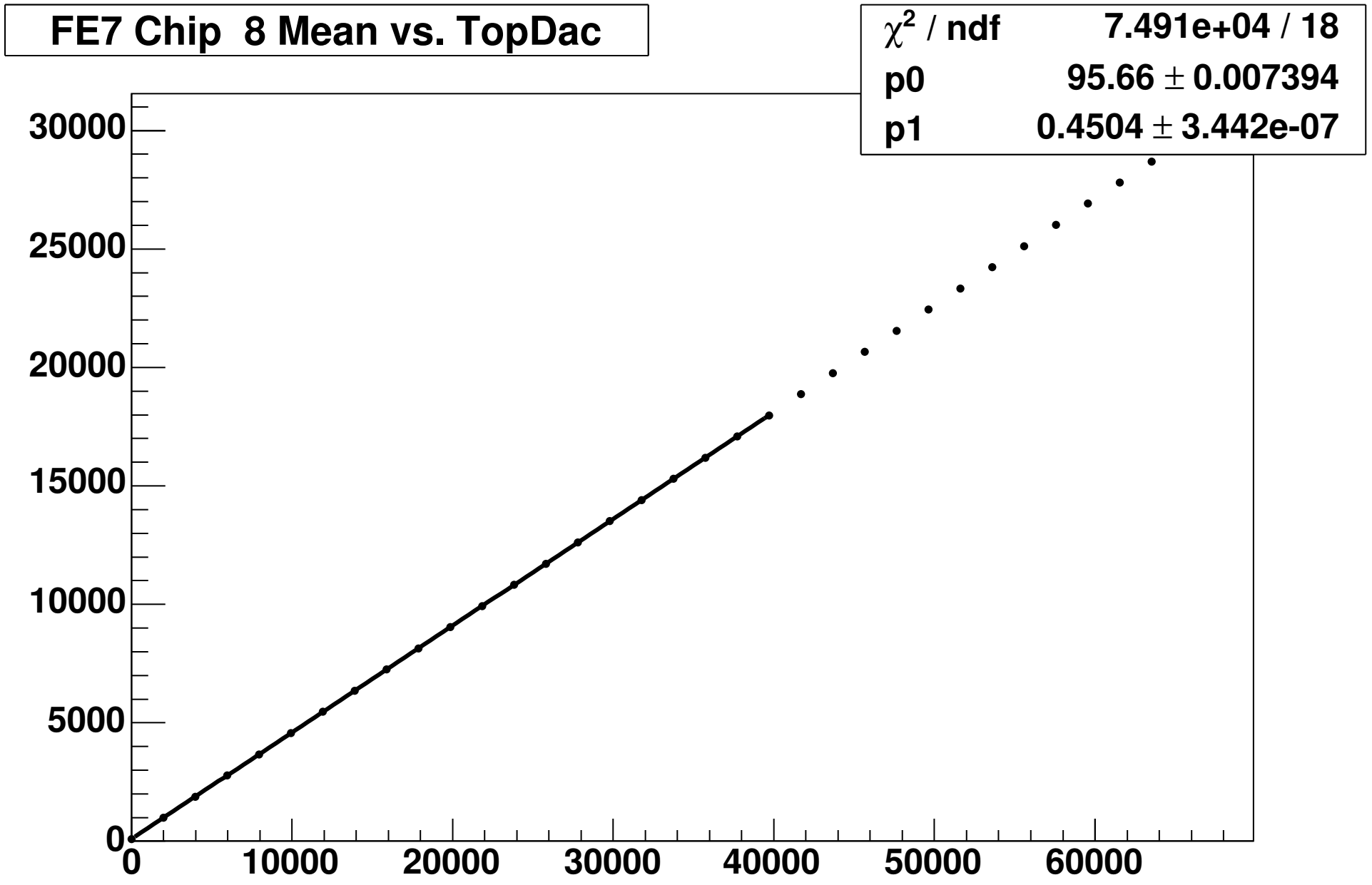

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 19.21 / 18
p0 1.483 ± 0.002502
p1 -2.697e-15 ± 1.941e-05
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

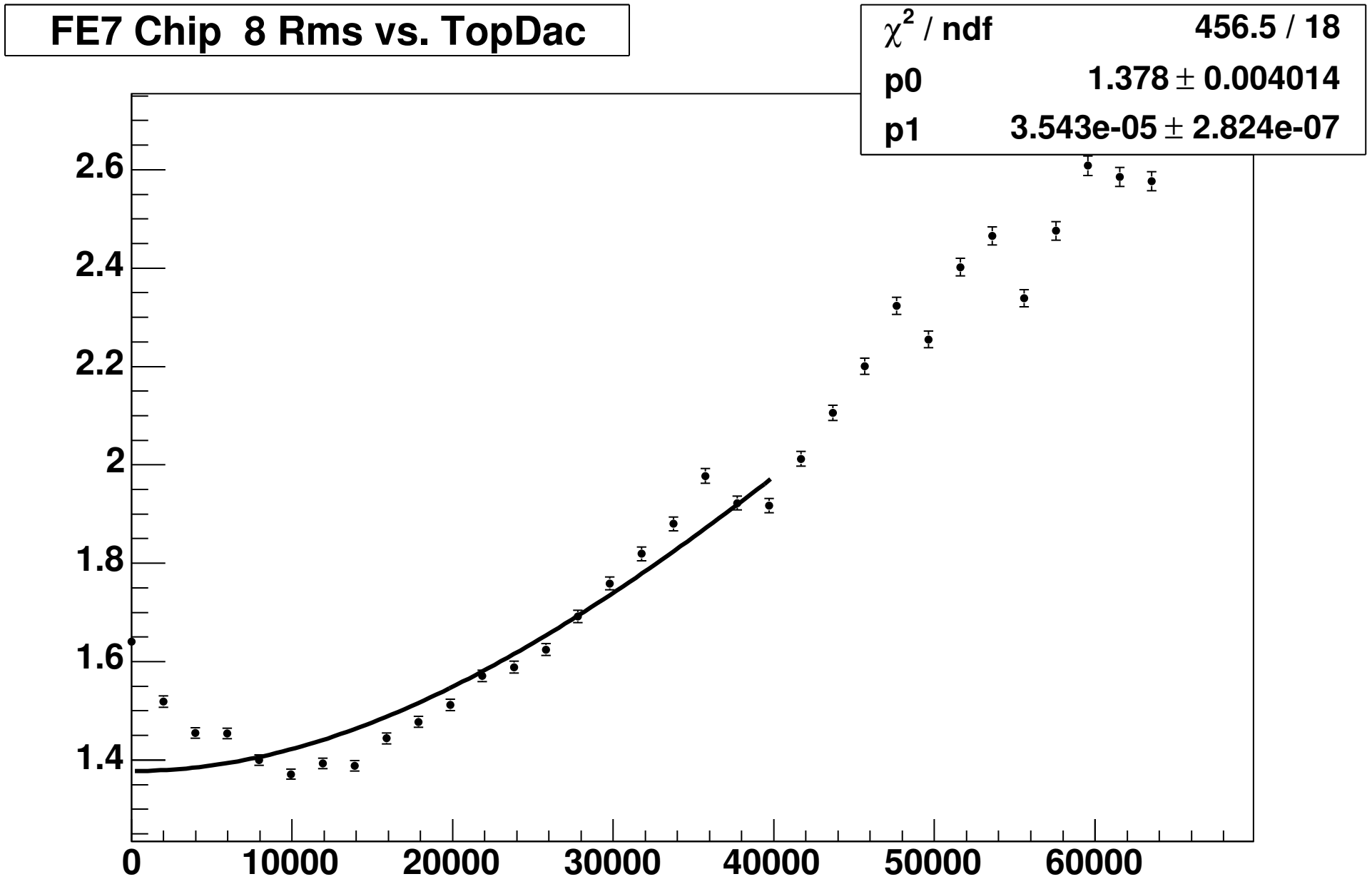

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 7.303e+04 / 18
p0 84.92 ± 0.007457
p1 0.4506 ± 3.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

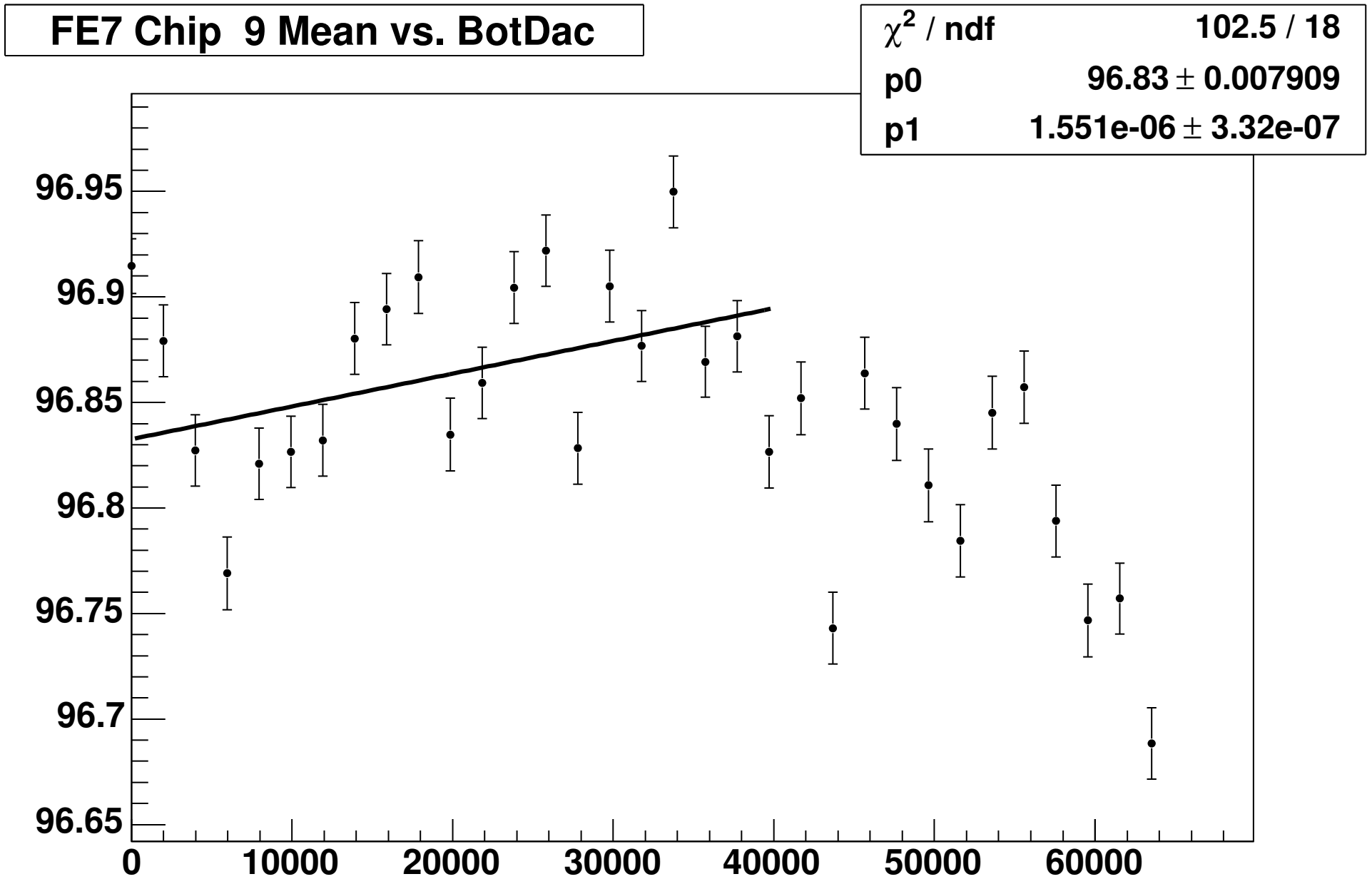

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 497.9 / 18
p0 1.394 ± 0.004037
p1 3.448e-05 ± 2.903e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

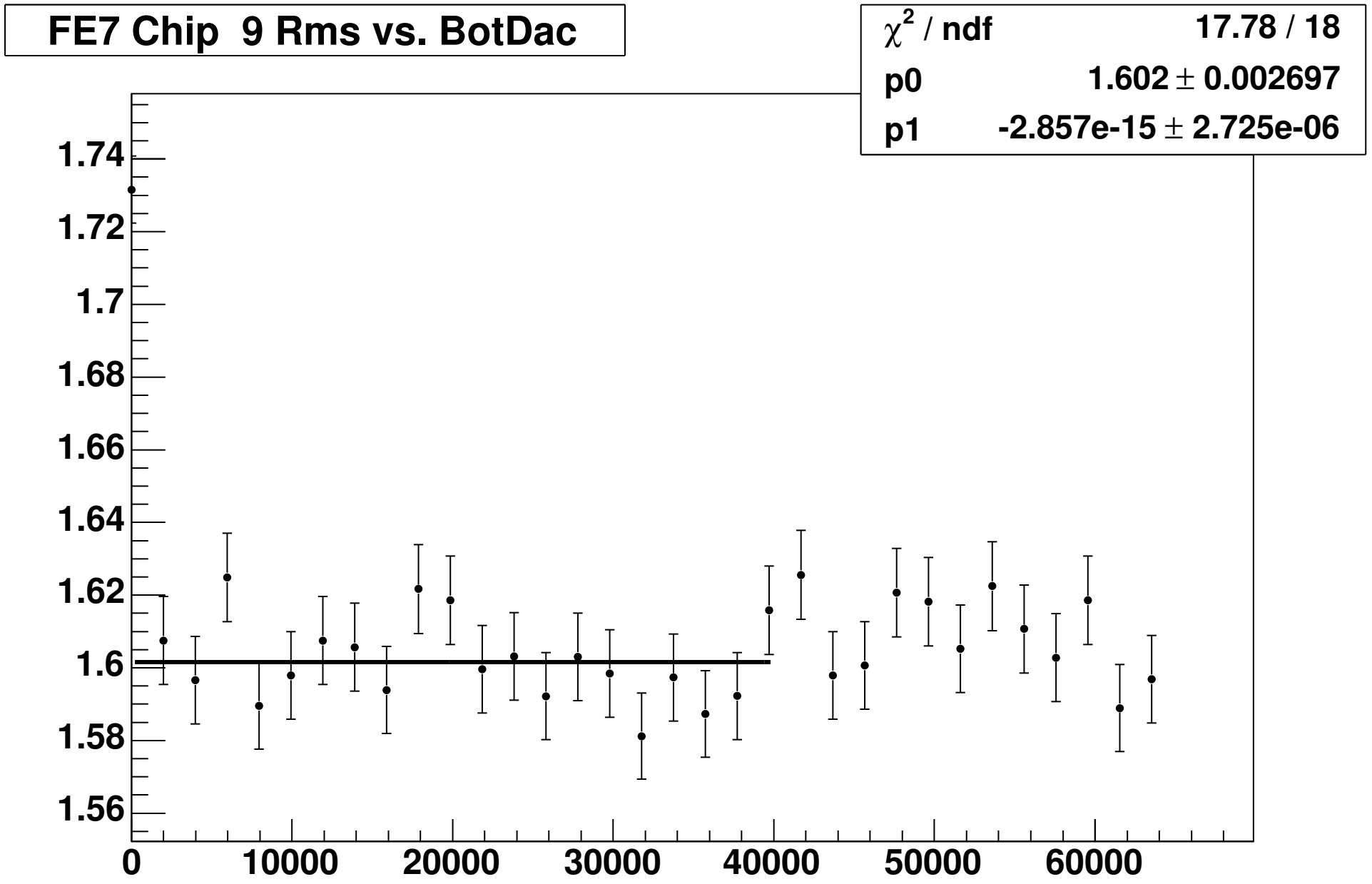

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 110.2 / 18
p0 93.05 ± 0.007577
p1 1.573e-06 ± 3.185e-07
93.2
93.15
93.1
93.05
93
92.95
92.9
0
10000
20000
30000
40000
50000
60000

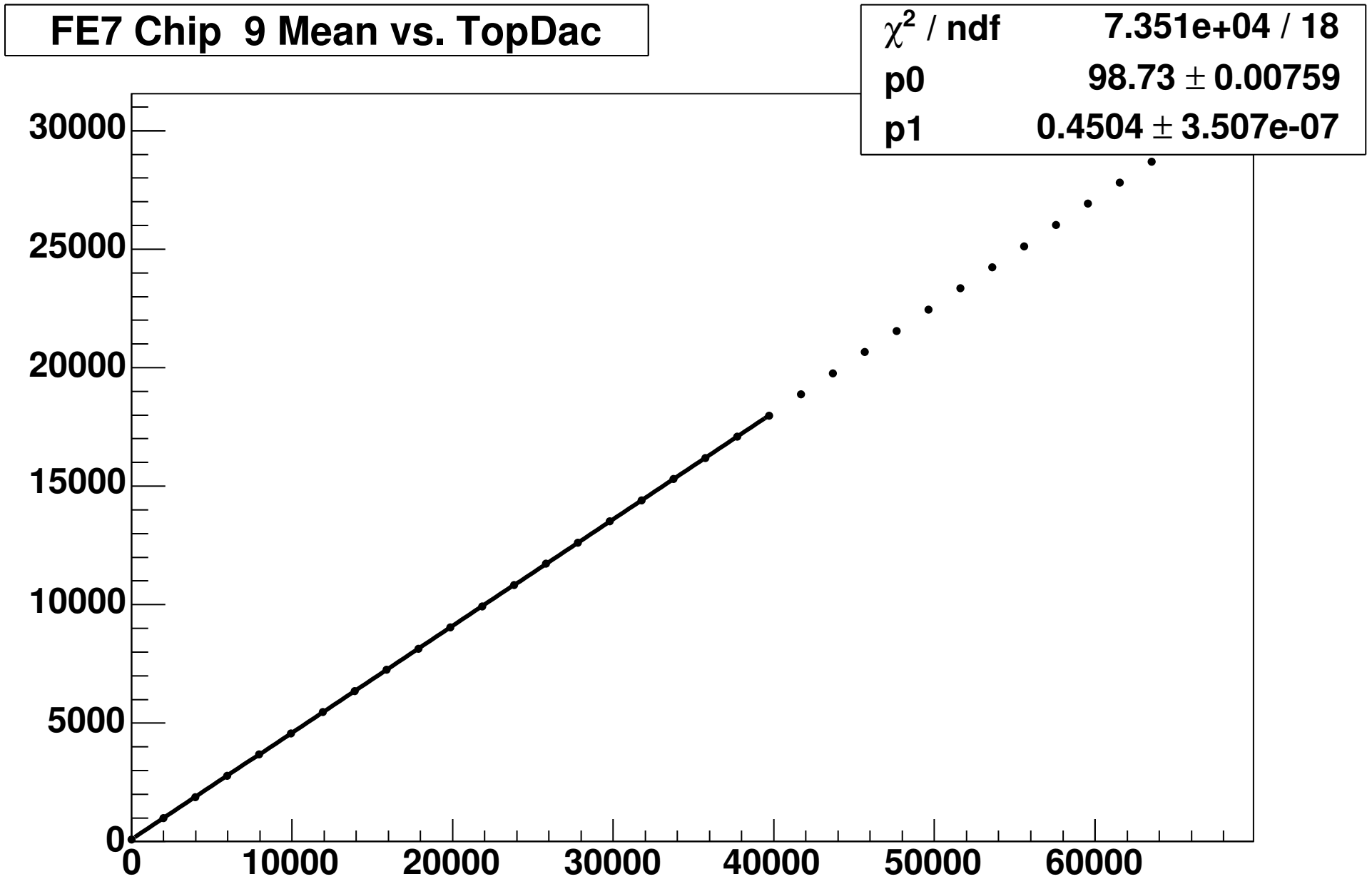

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 11.35 / 18
p0 1.534 ± 0.002582
p1 8.833e-13 ± 5.274e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

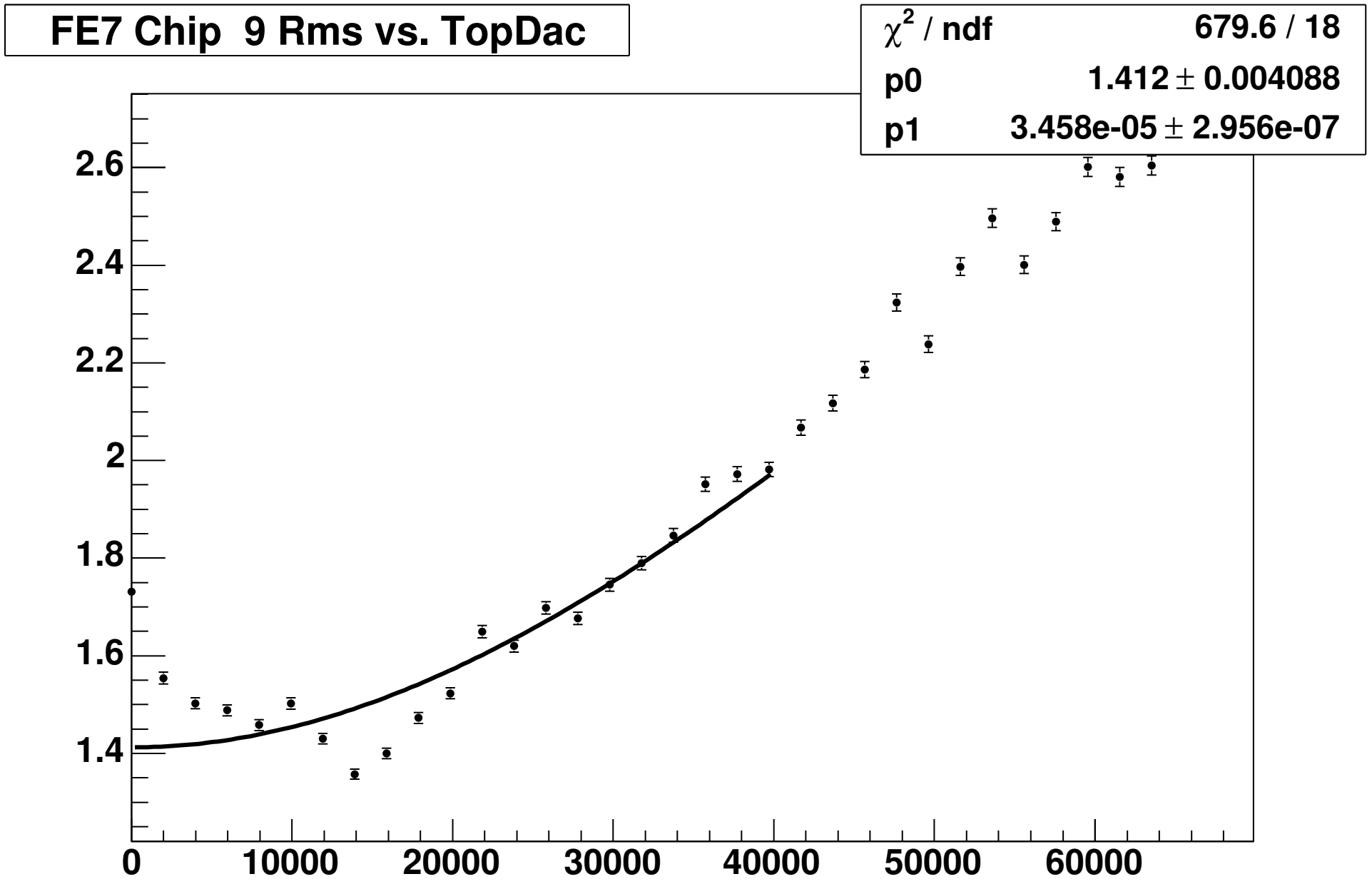

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 7.491e+04 / 18
p0 95.66 ± 0.007394
p1 0.4504 ± 3.442e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

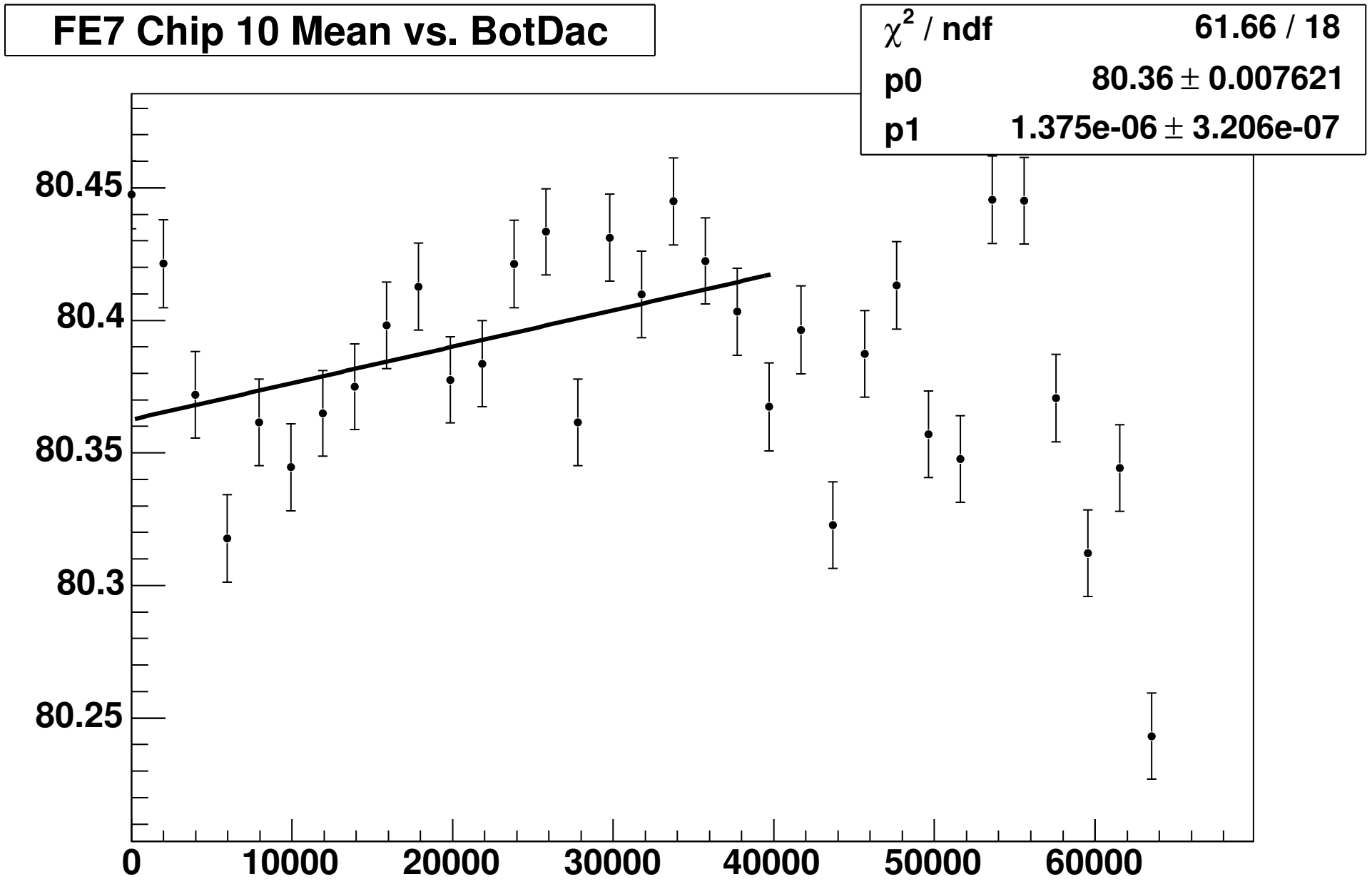

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 456.5 / 18
p0 1.378 ± 0.004014
p1 3.543e-05 ± 2.824e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

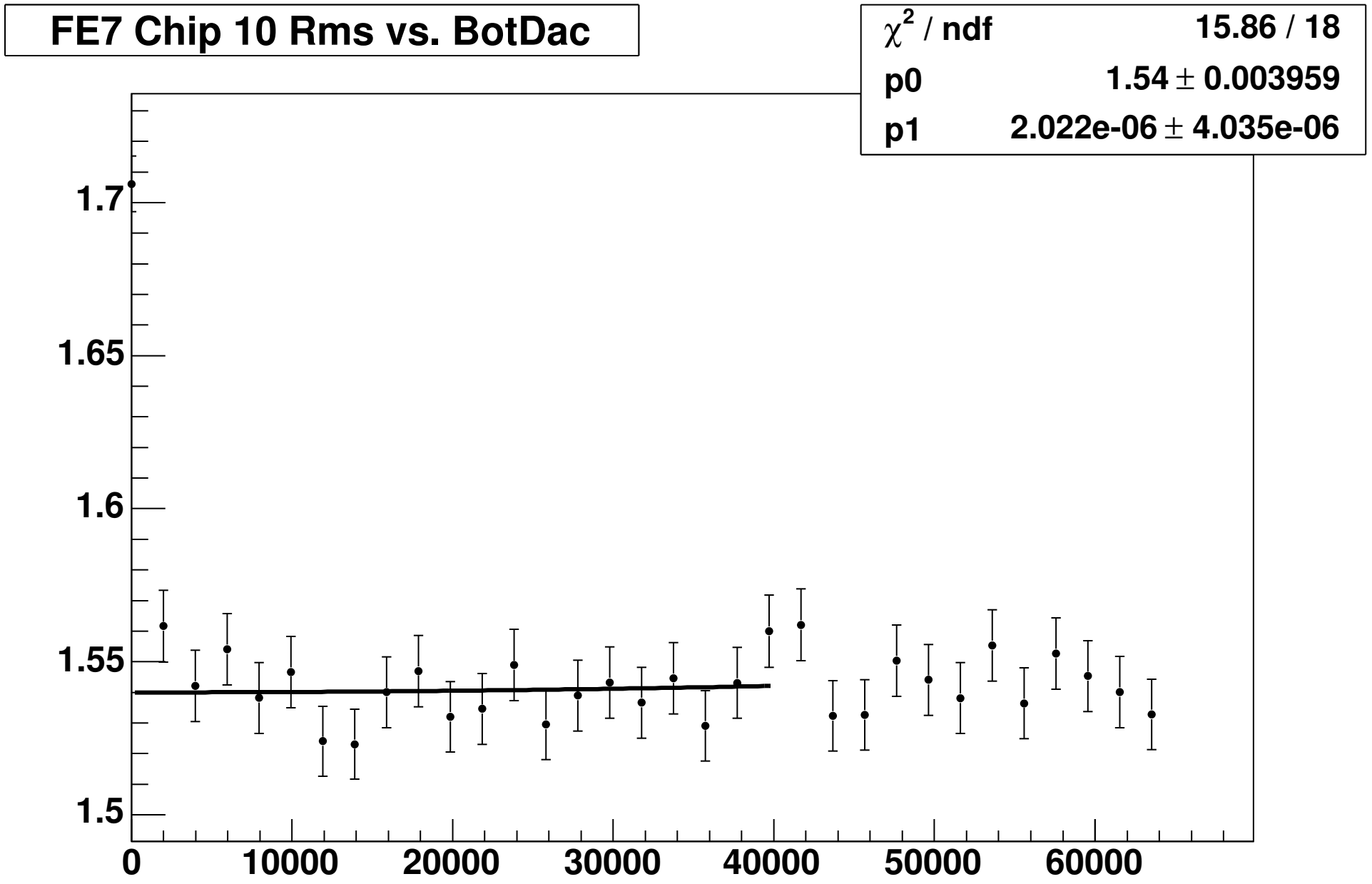

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 102.5 / 18
p0 96.83 ± 0.007909
p1 1.551e-06 ± 3.32e-07
96.95
96.9
96.85
96.8
96.75
96.7
96.65
0
10000
20000
30000
40000
50000
60000

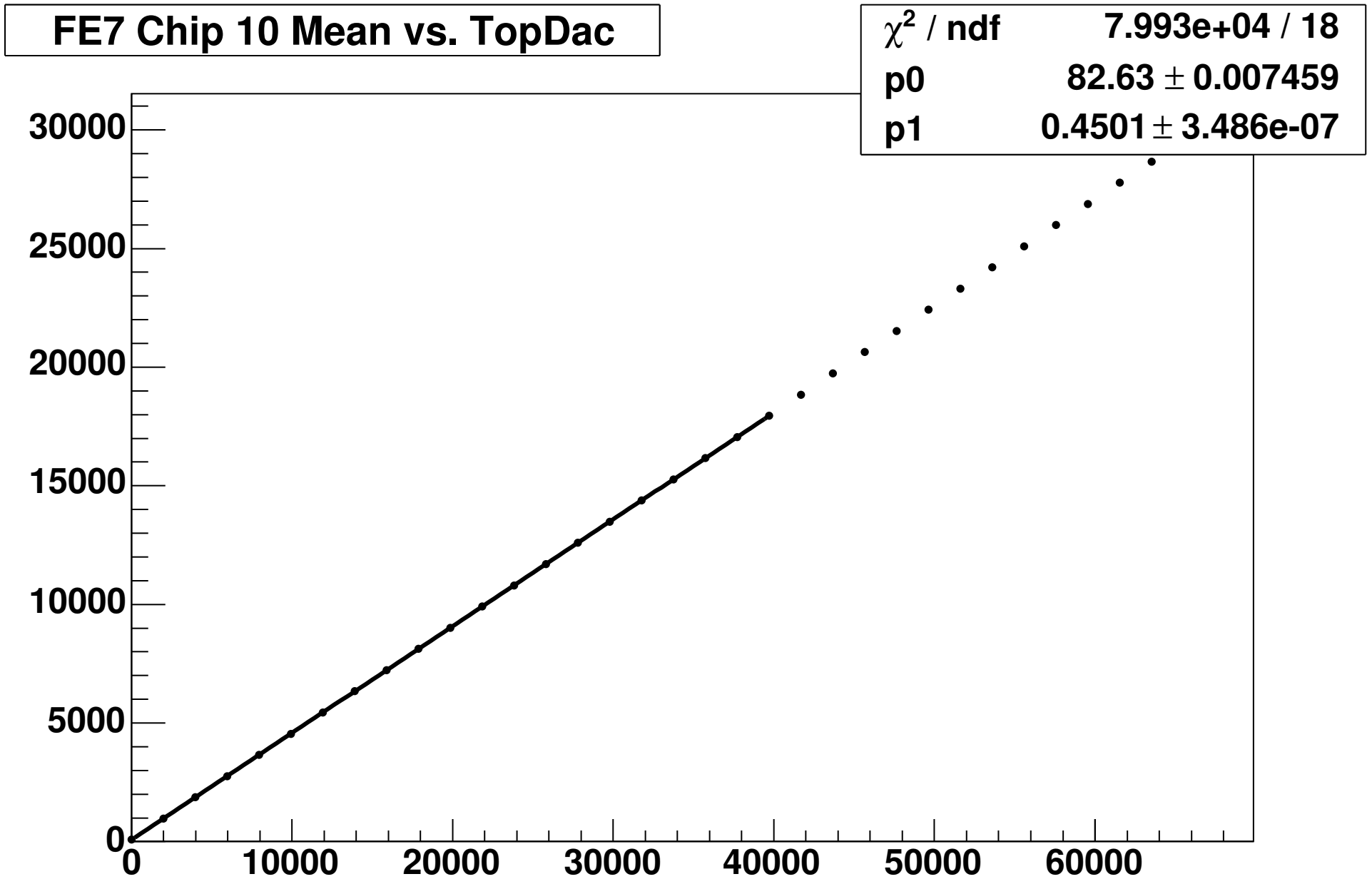

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 17.78 / 18
p0 1.602 ± 0.002697
p1 -2.857e-15 ± 2.725e-06
1.74
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000

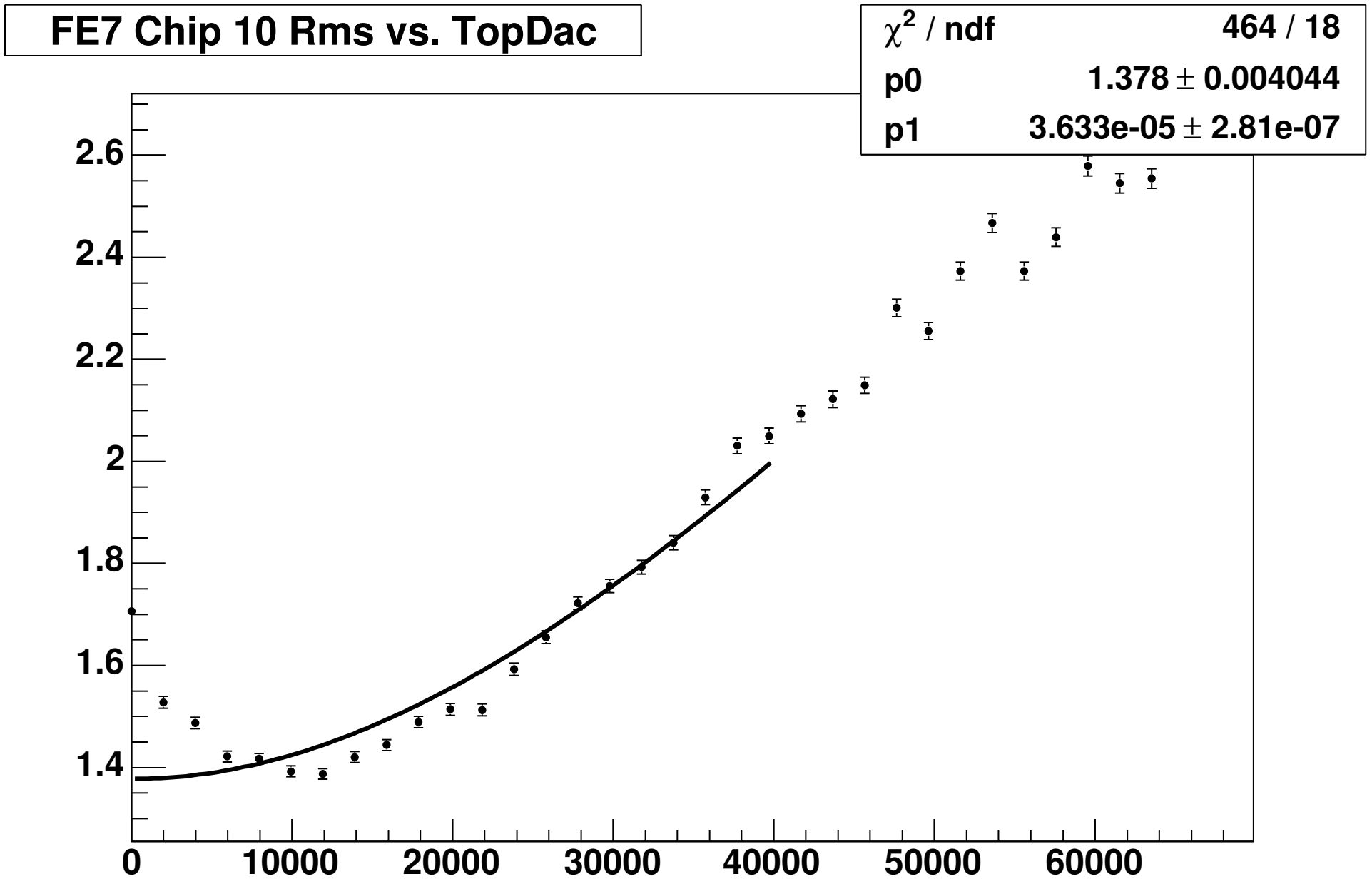

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 7.351e+04 / 18
p0 98.73 ± 0.00759
p1 0.4504 ± 3.507e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

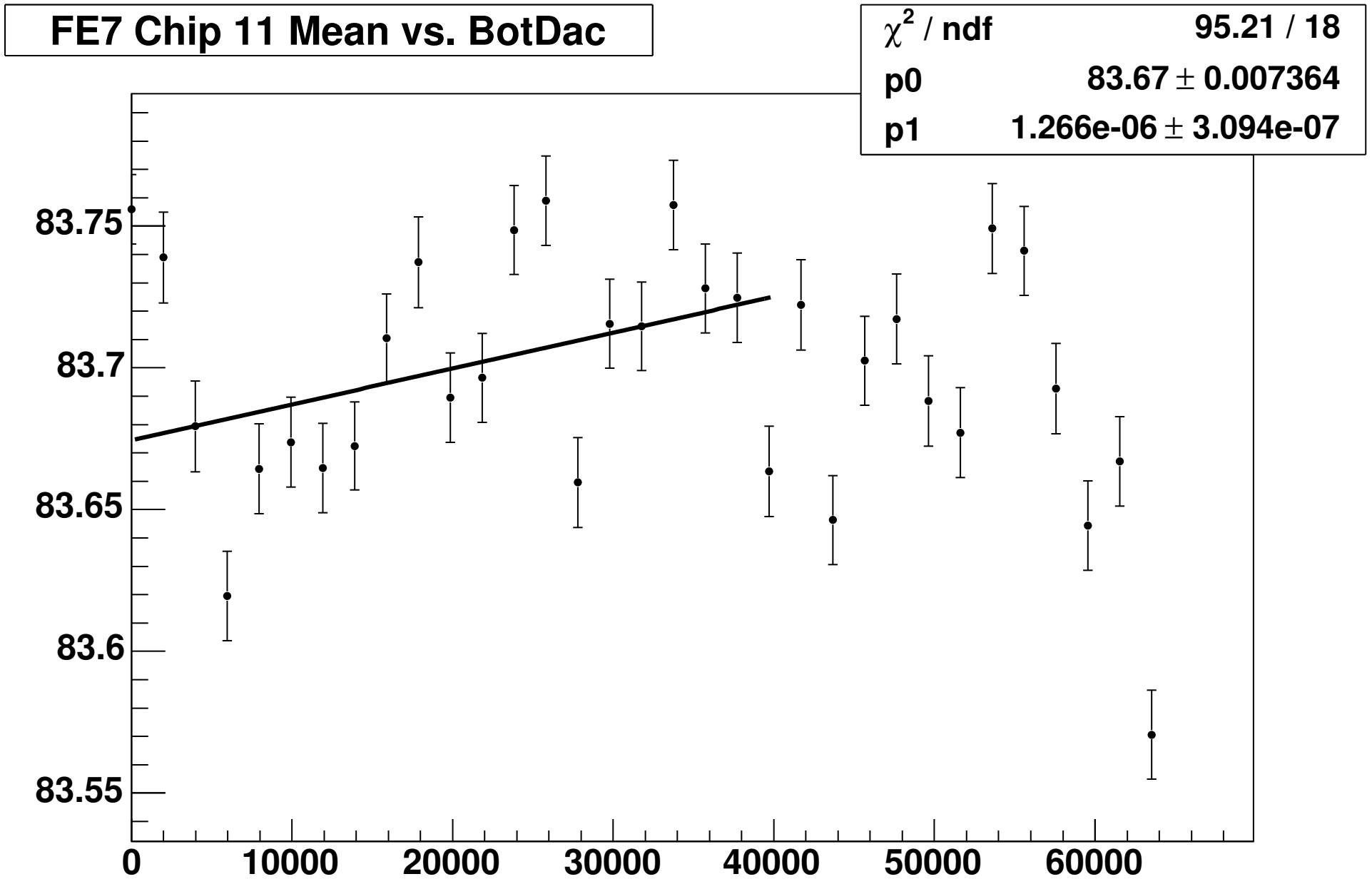

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 679.6 / 18
p0 1.412 ± 0.004088
p1 3.458e-05 ± 2.956e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

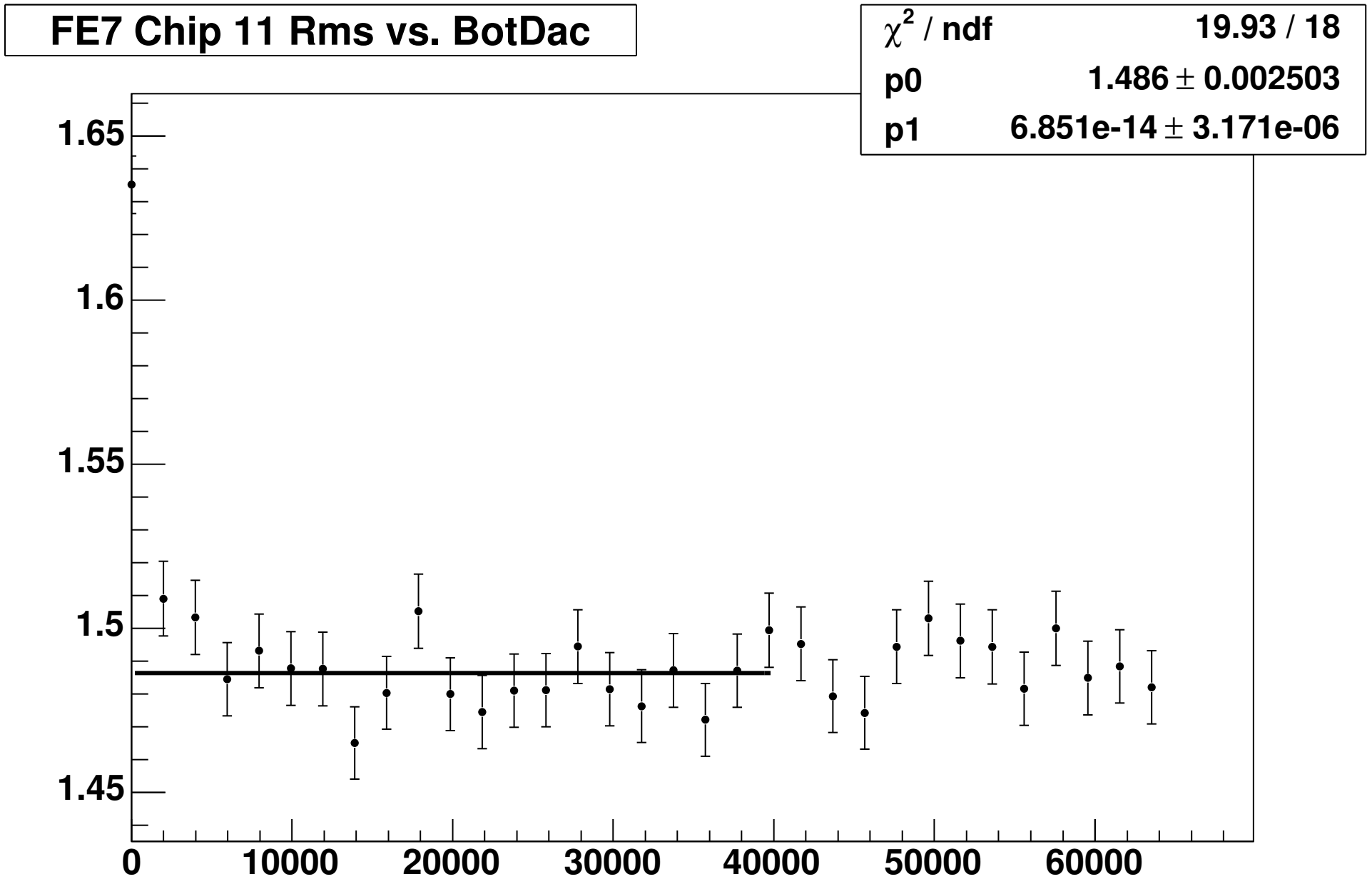

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 61.66 / 18
p0 80.36 ± 0.007621
p1 1.375e-06 ± 3.206e-07
80.45
80.4
80.35
80.3
80.25
0
10000
20000
30000
40000
50000
60000

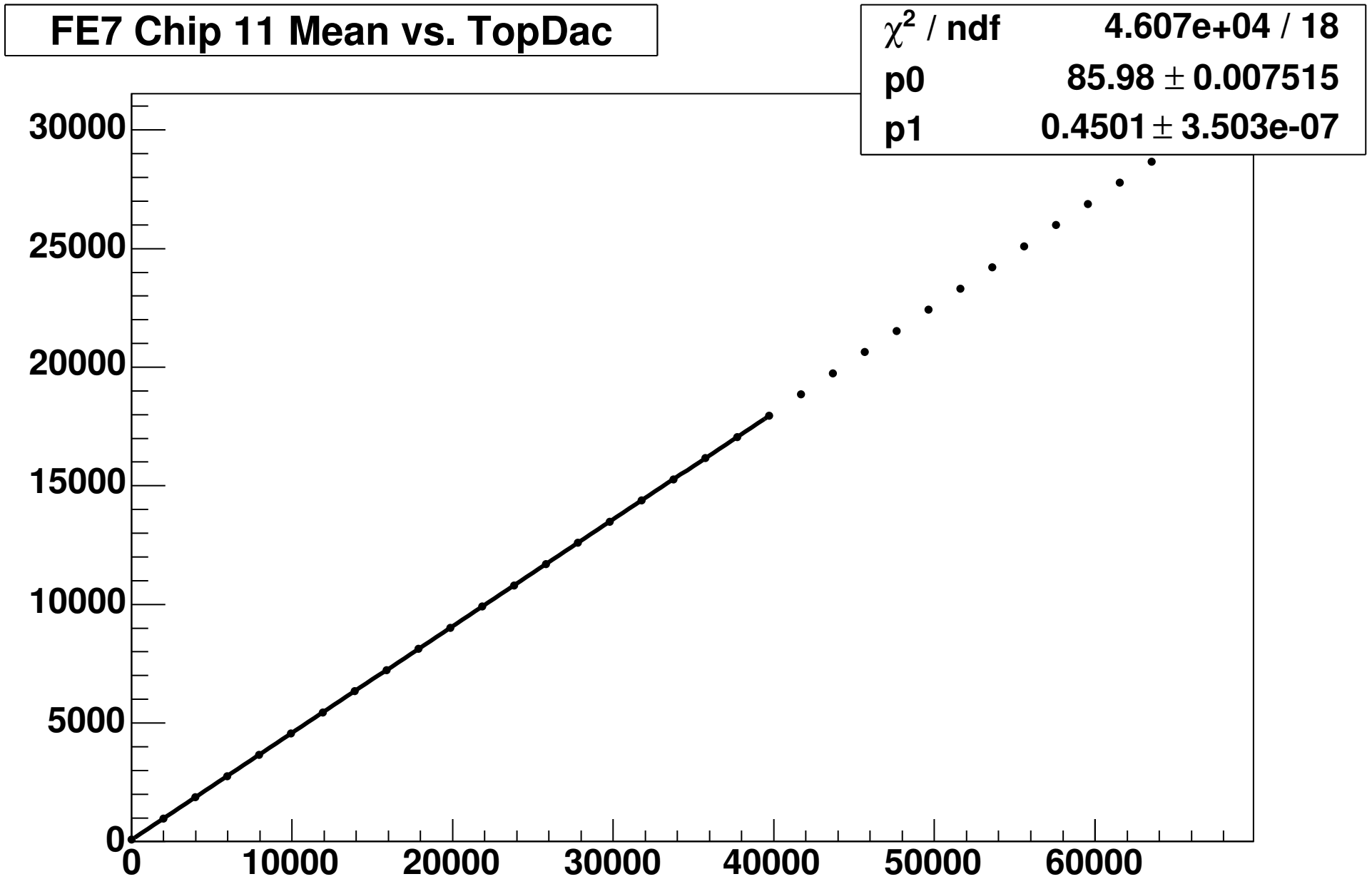

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 15.86 / 18
p0 1.54 ± 0.003959
p1 2.022e-06 ± 4.035e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

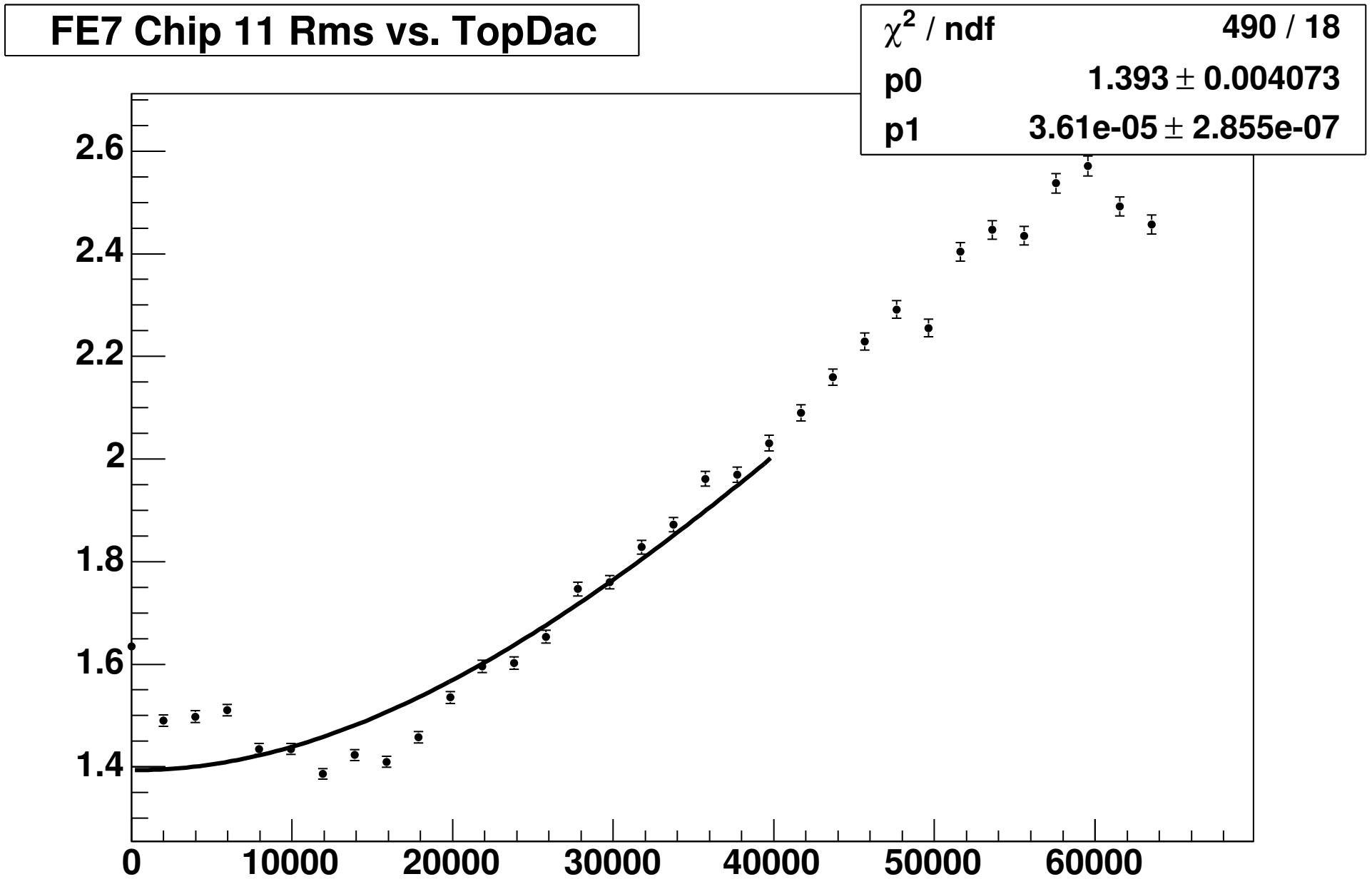

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 7.993e+04 / 18
p0 82.63 ± 0.007459
p1 0.4501 ± 3.486e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

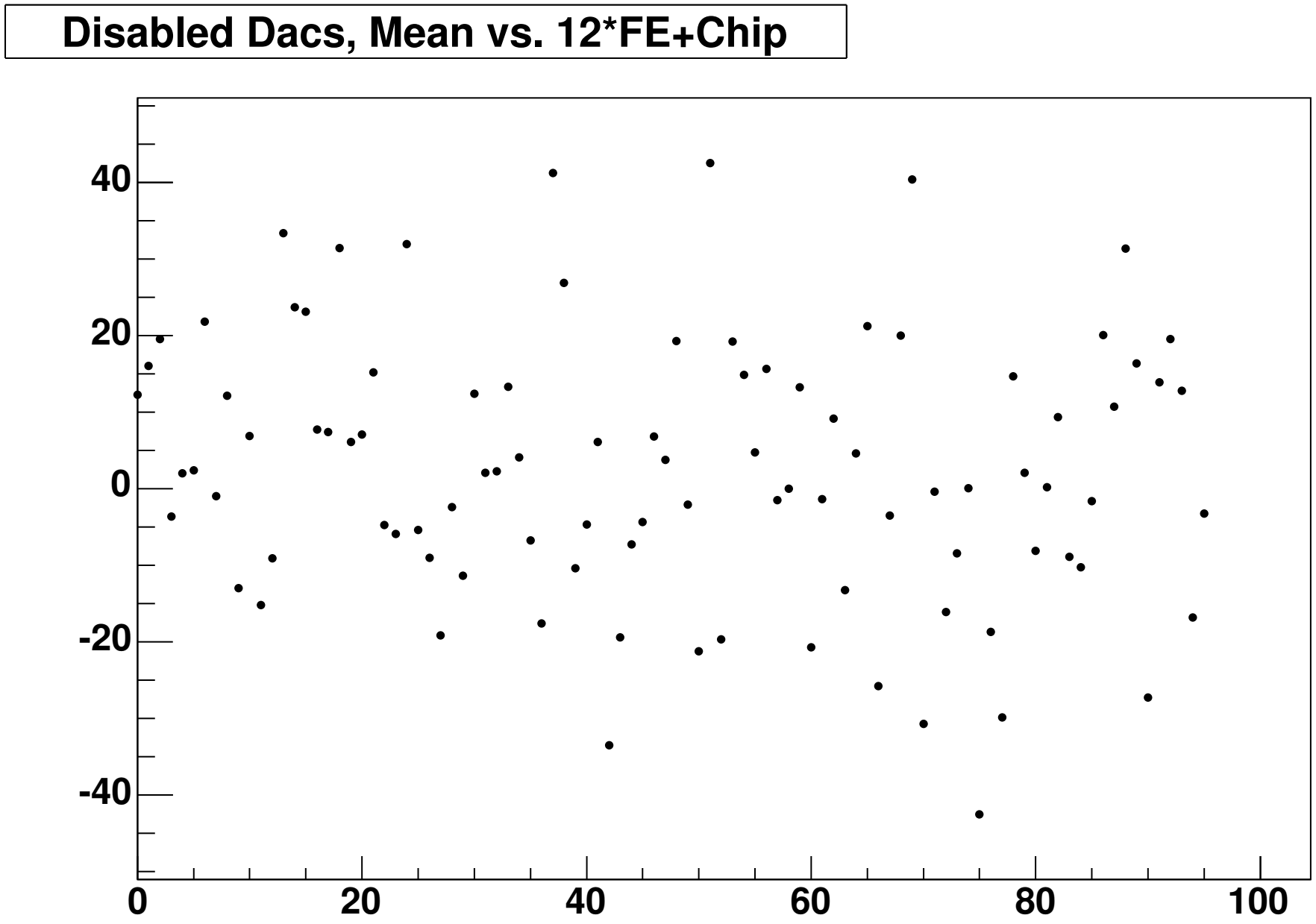

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 464 / 18
p0 1.378 ± 0.004044
p1 3.633e-05 ± 2.81e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

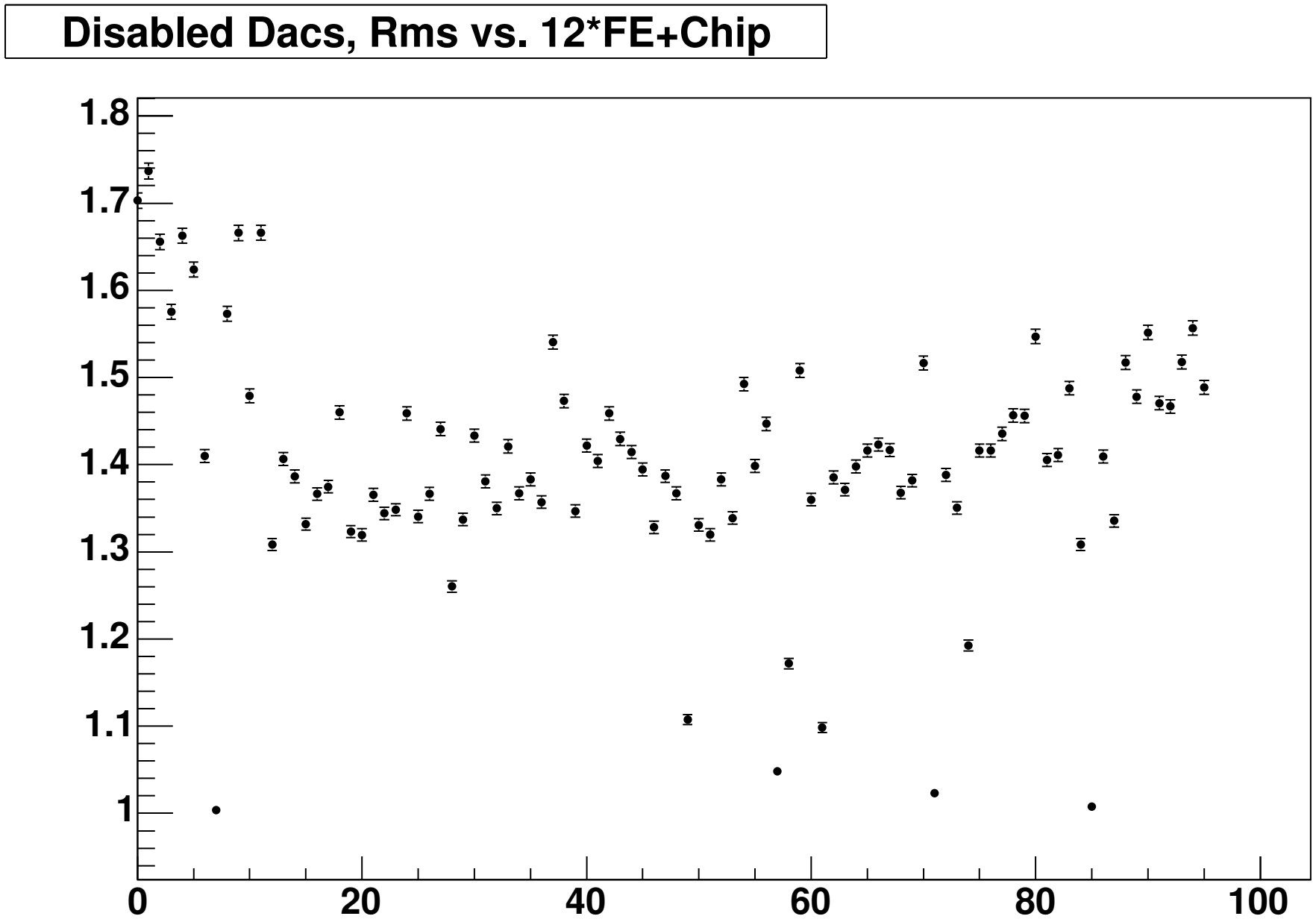

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 95.21 / 18
p0 83.67 ± 0.007364
p1 1.266e-06 ± 3.094e-07
83.75
83.7
83.65
83.6
83.55
0
10000
20000
30000
40000
50000
60000

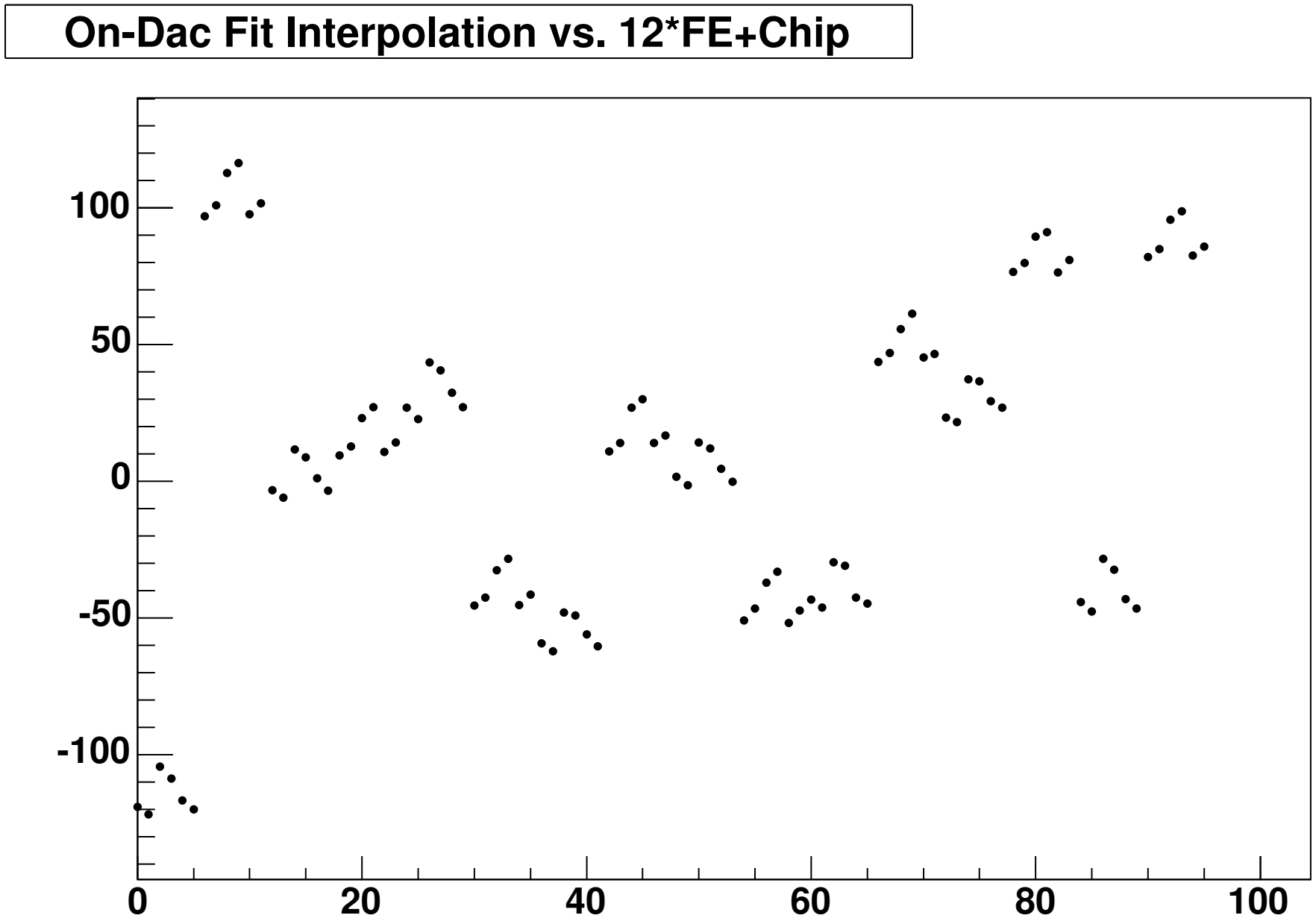

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 19.93 / 18
p0 1.486 ± 0.002503
p1 6.851e-14 ± 3.171e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

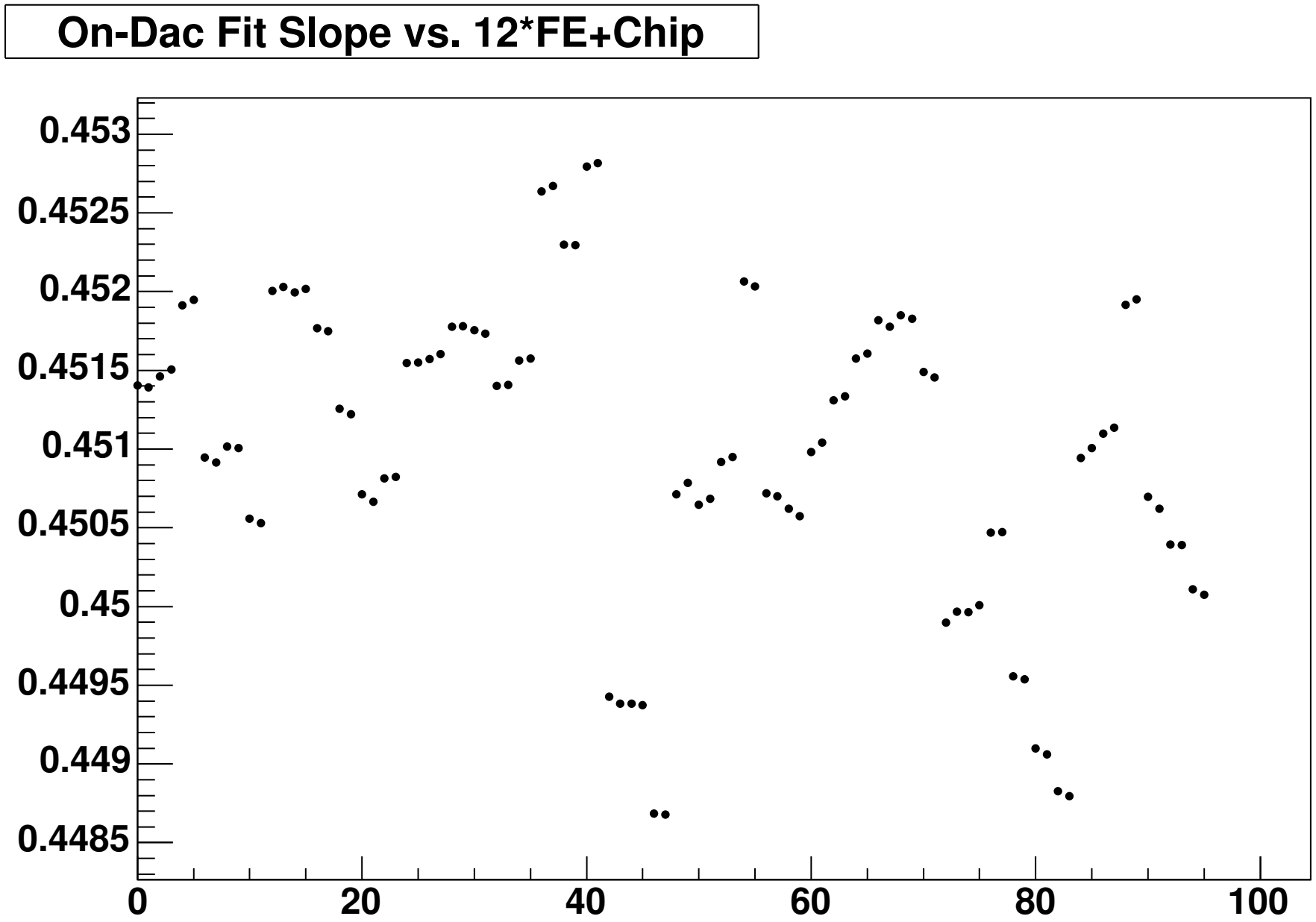

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 4.607e+04 / 18
p0 85.98 ± 0.007515
p1 0.4501 ± 3.503e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

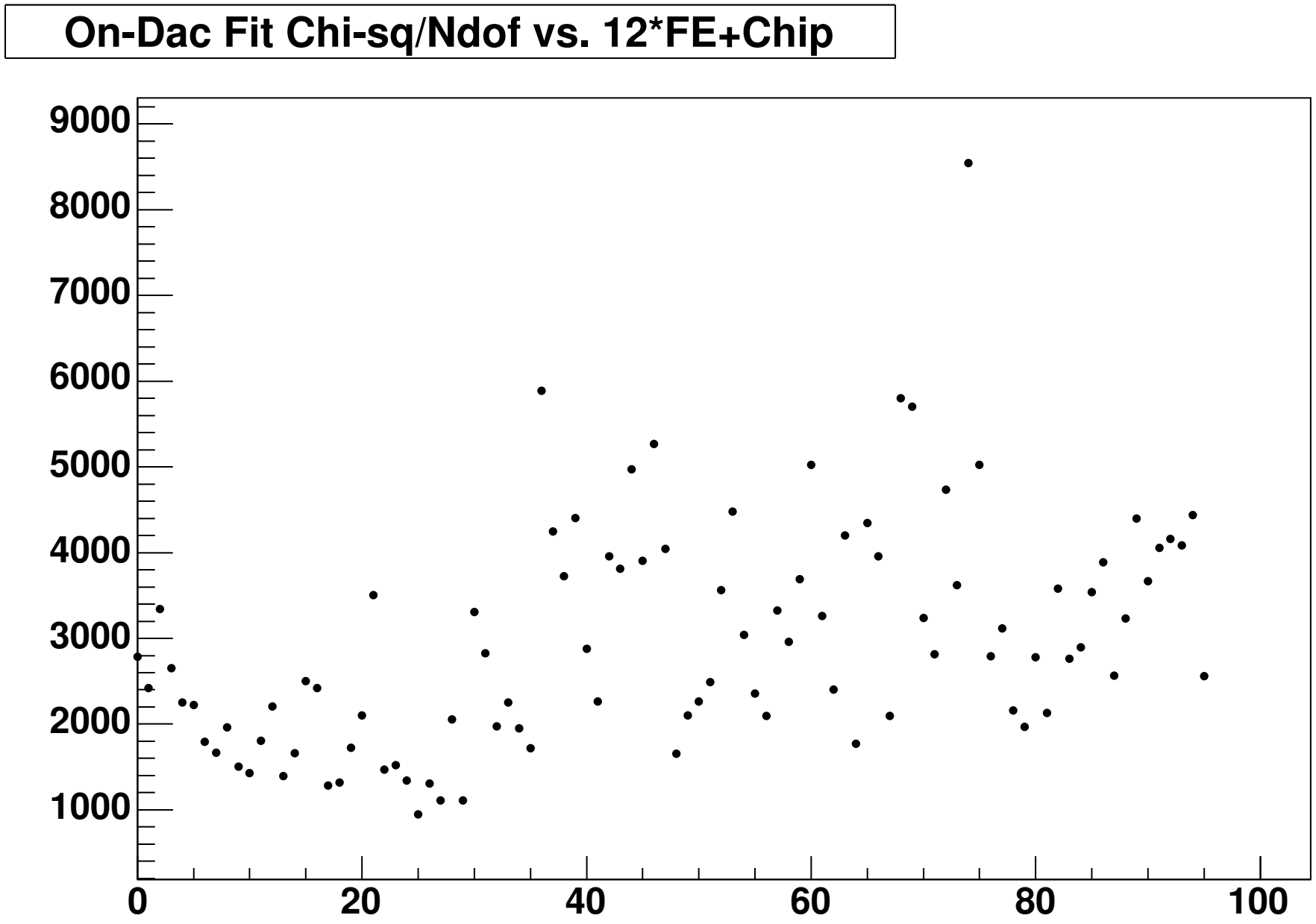

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 490 / 18
p0 1.393 ± 0.004073
p1 3.61e-05 ± 2.855e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

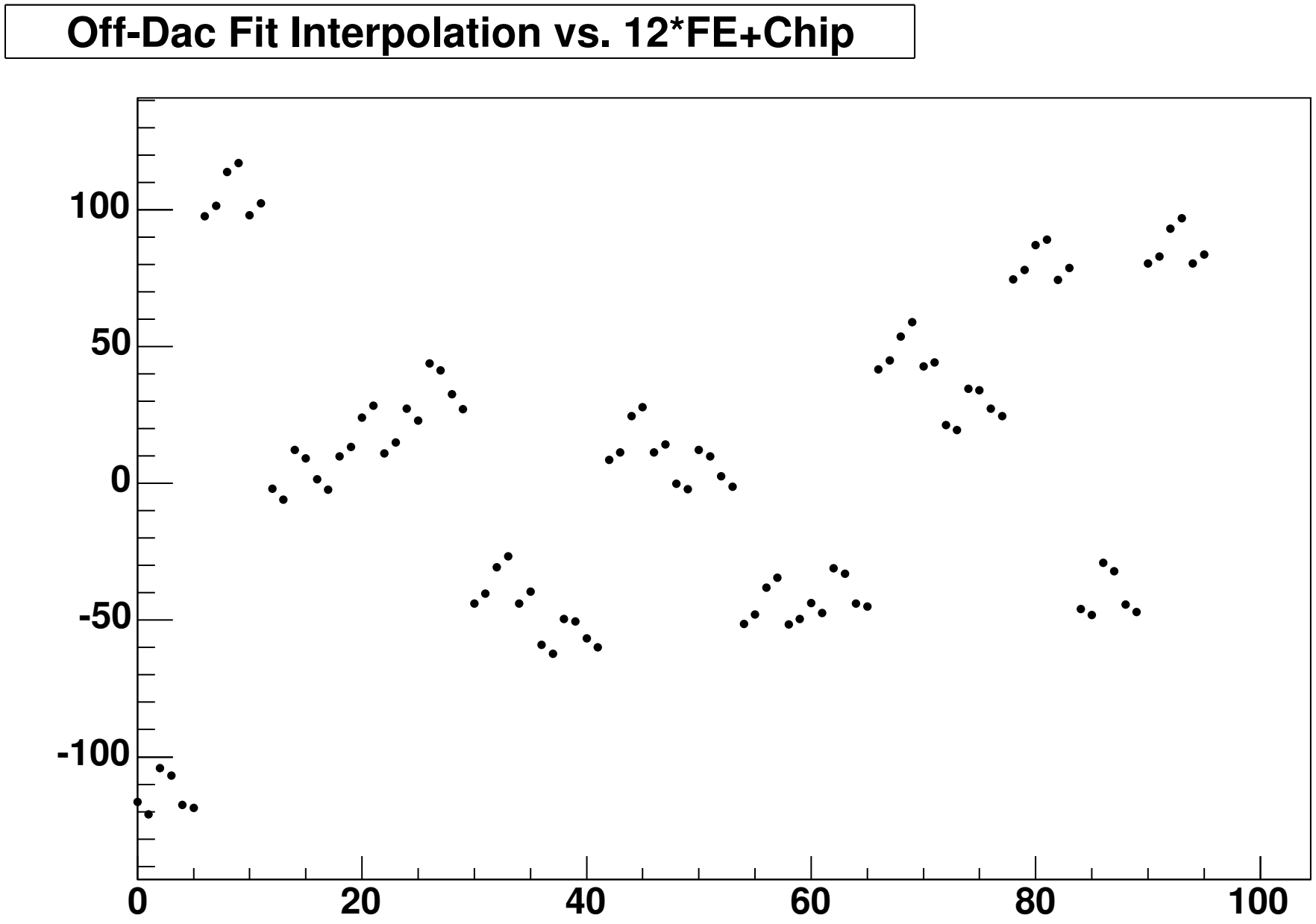

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

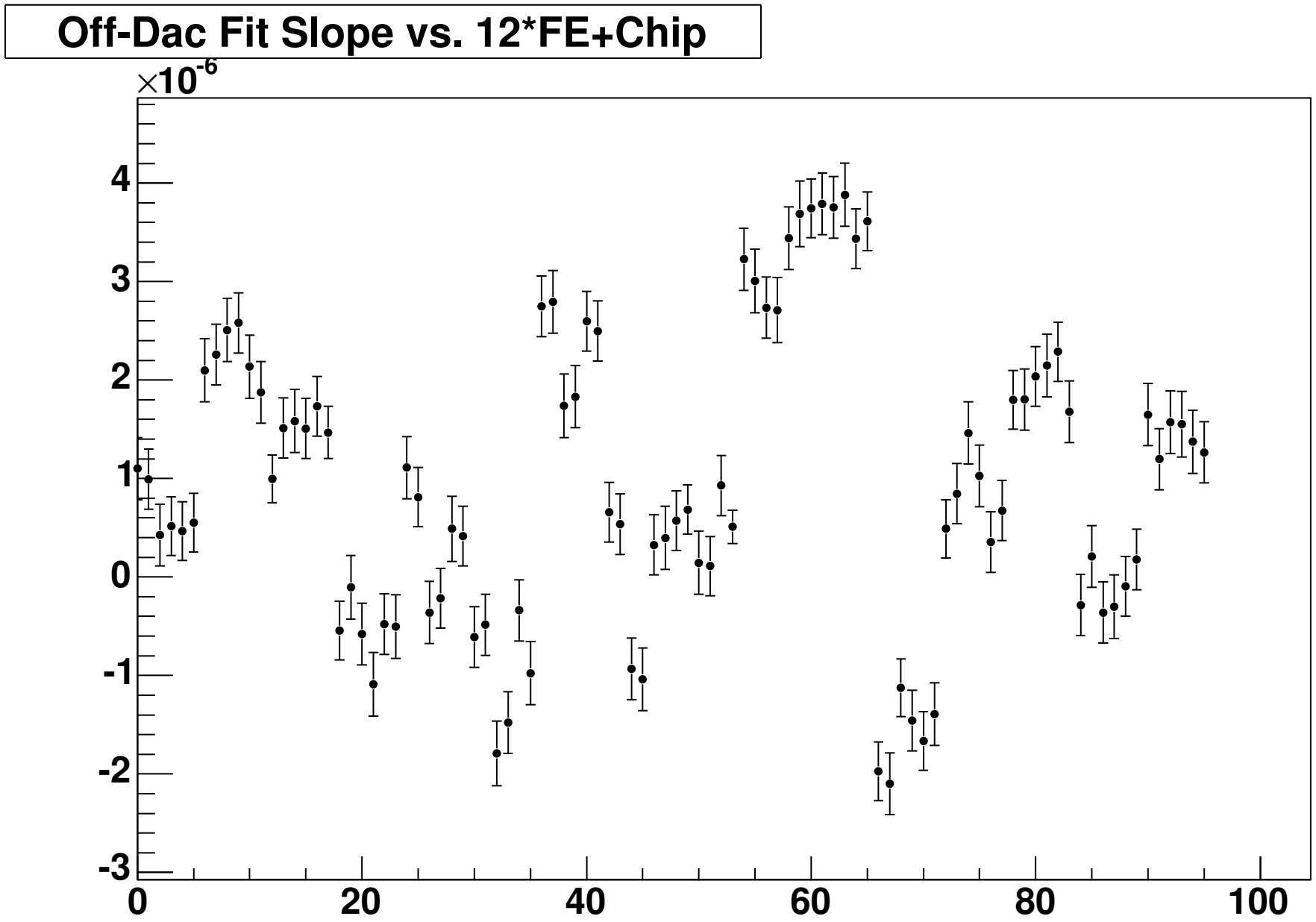

Disabled Dacs, Rms vs. 12*FE+Chip
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
20
40
60
80
100

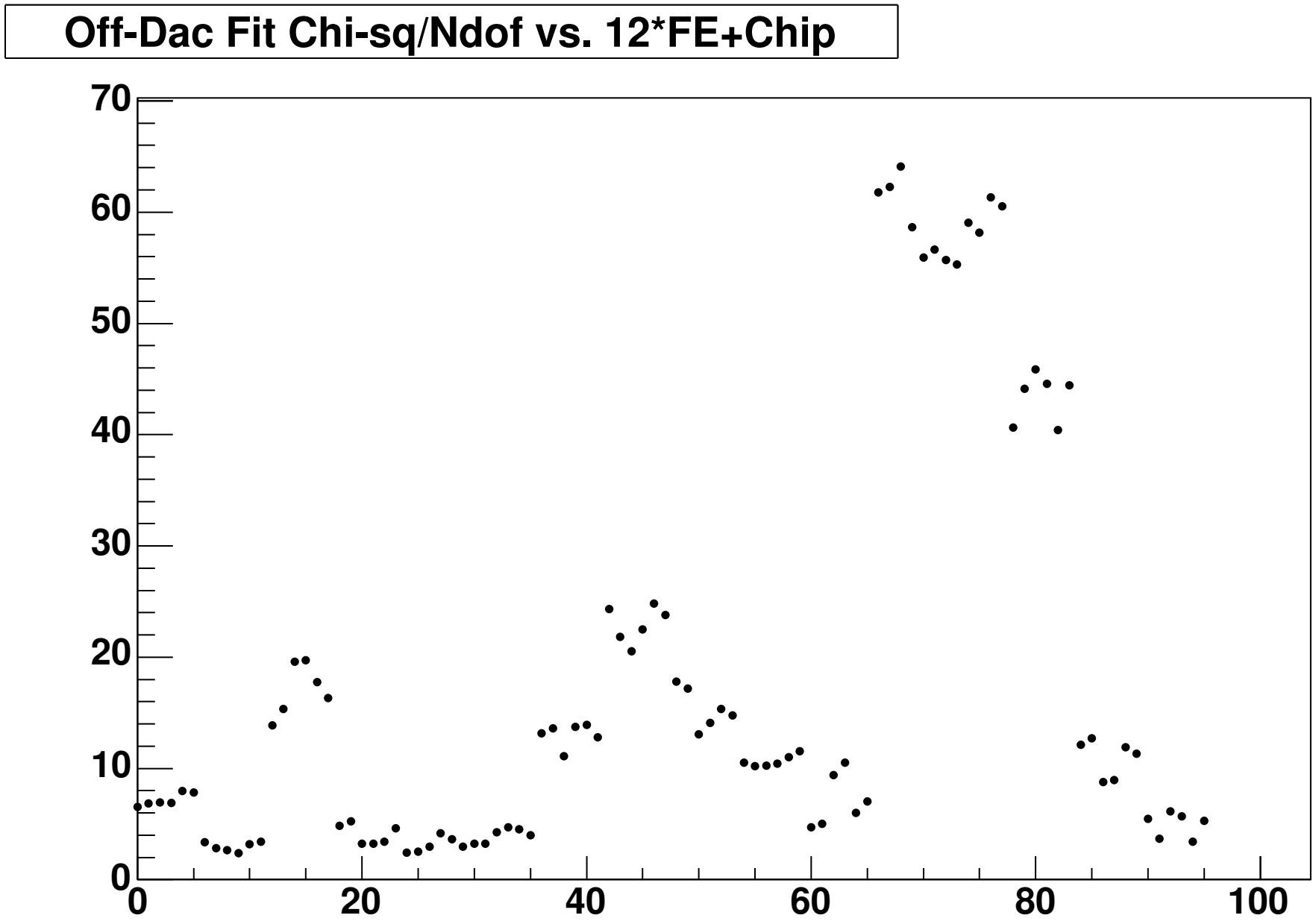

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

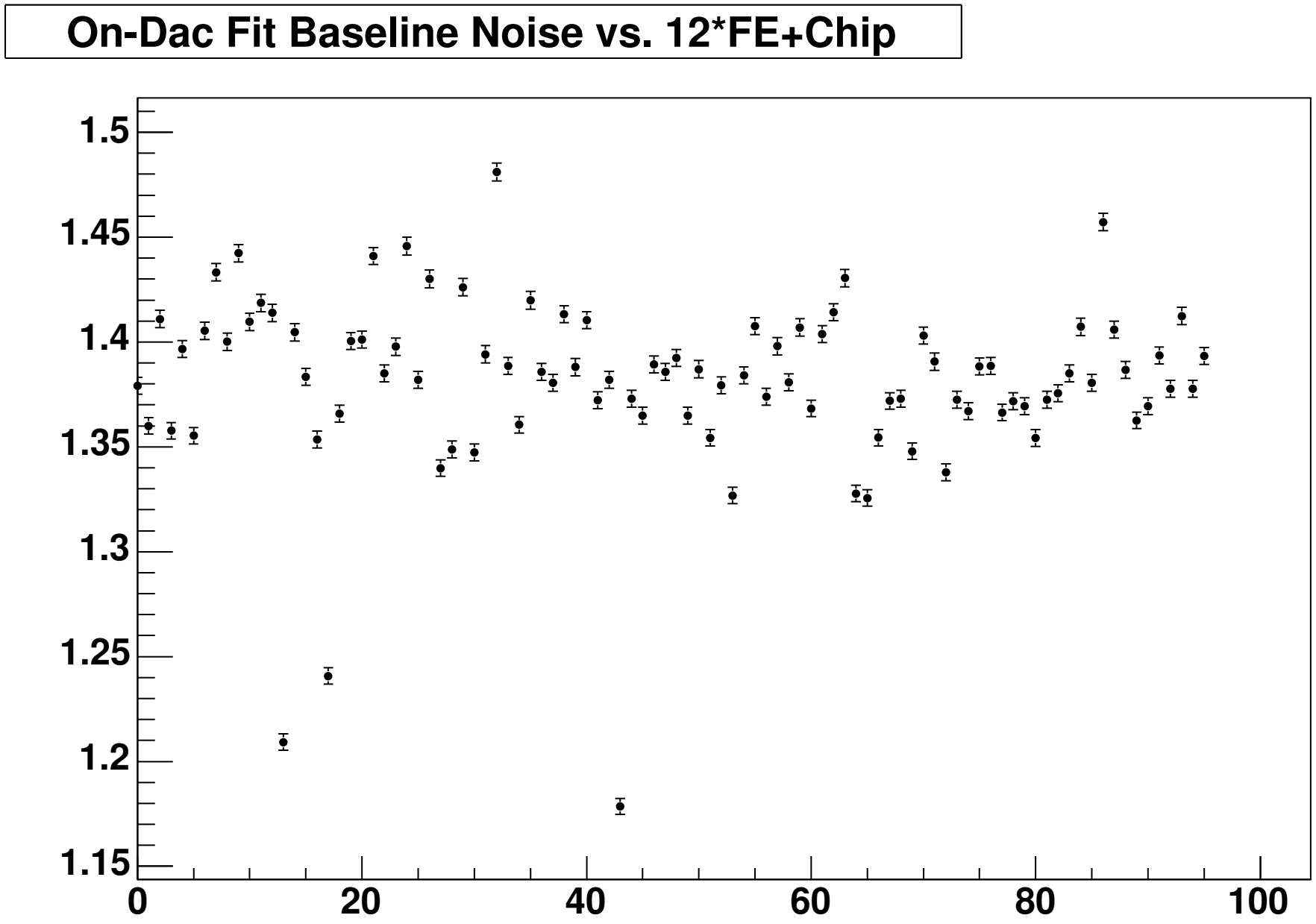

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0.4485
0
20
40
60
80
100

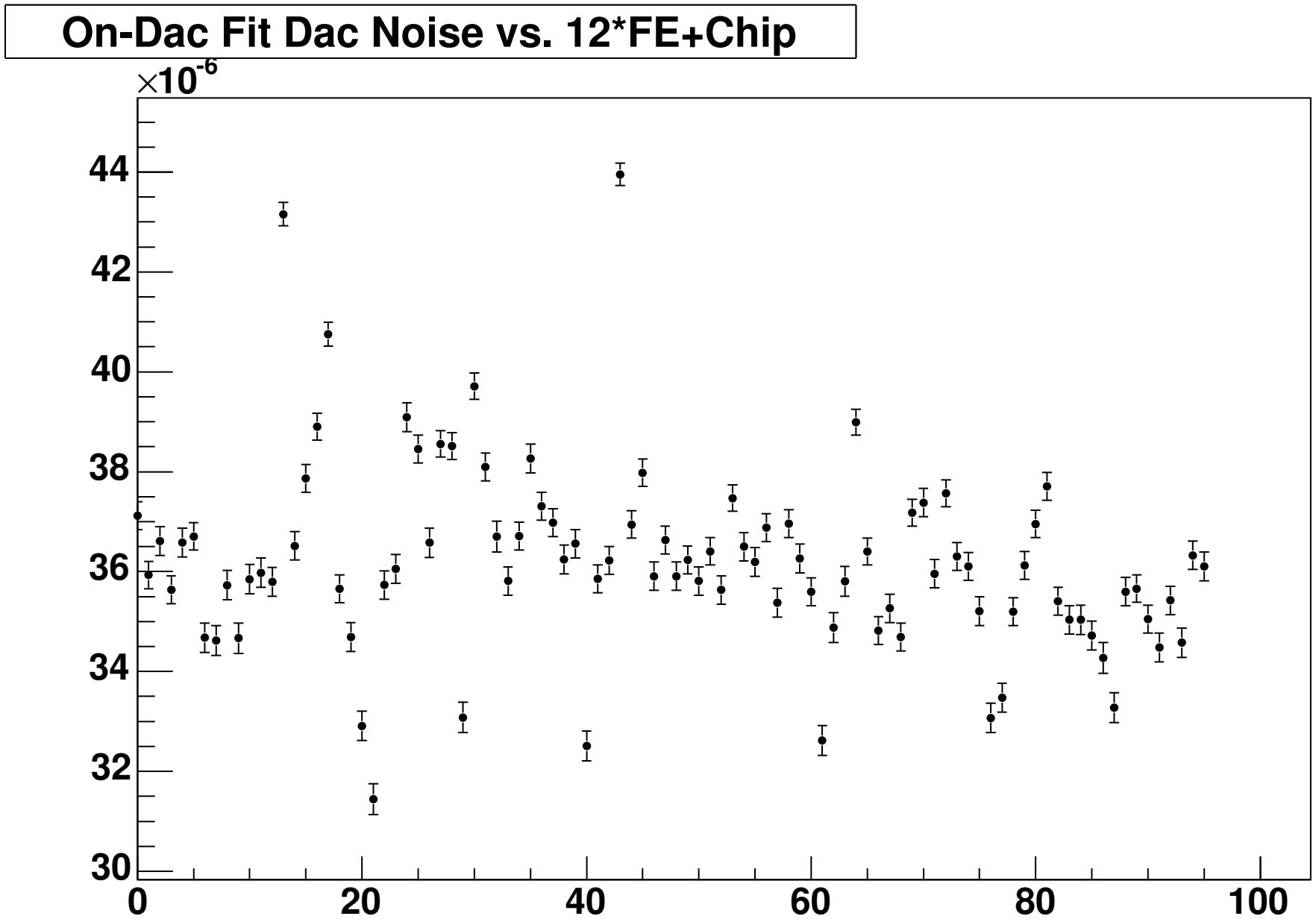

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

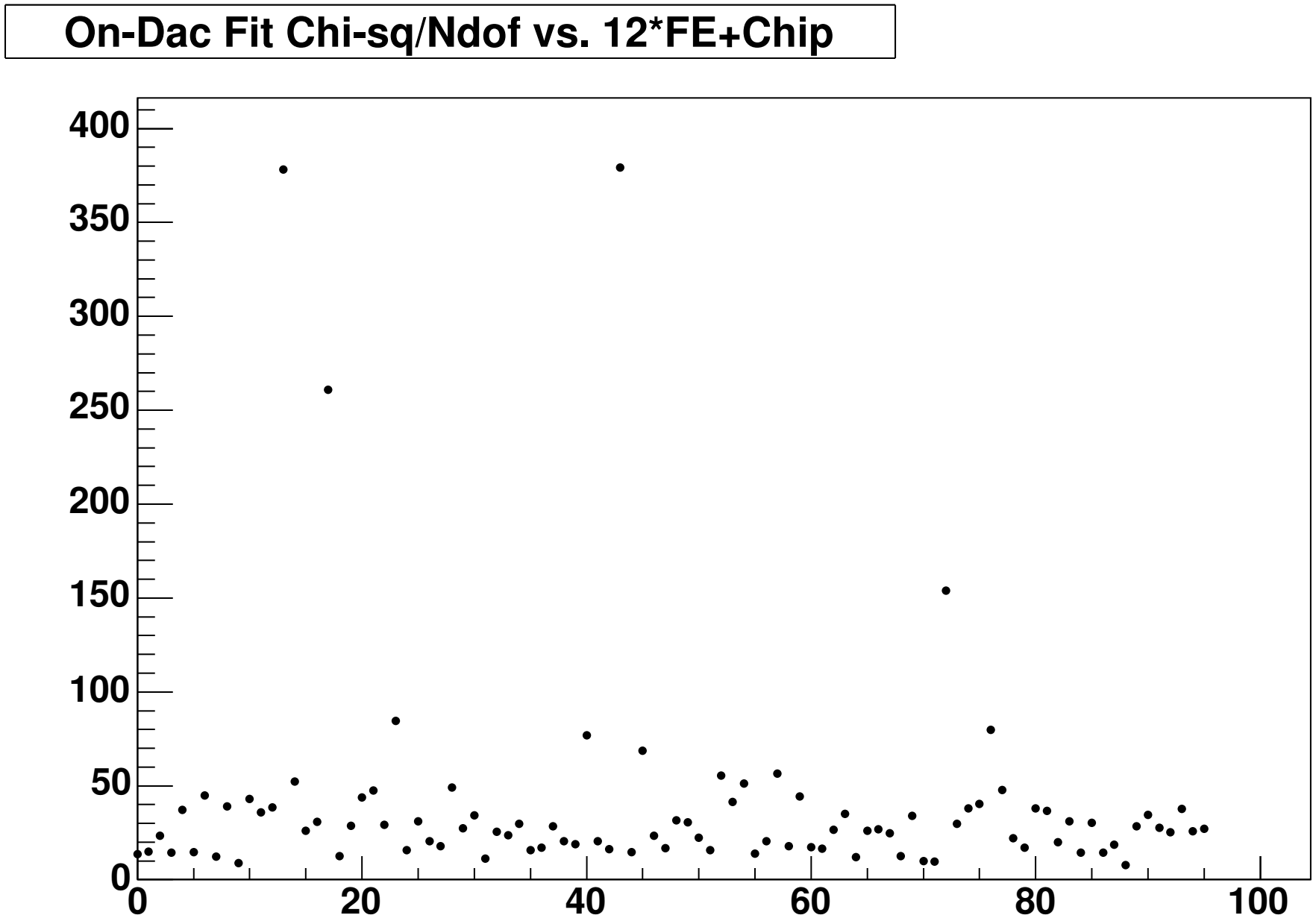

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

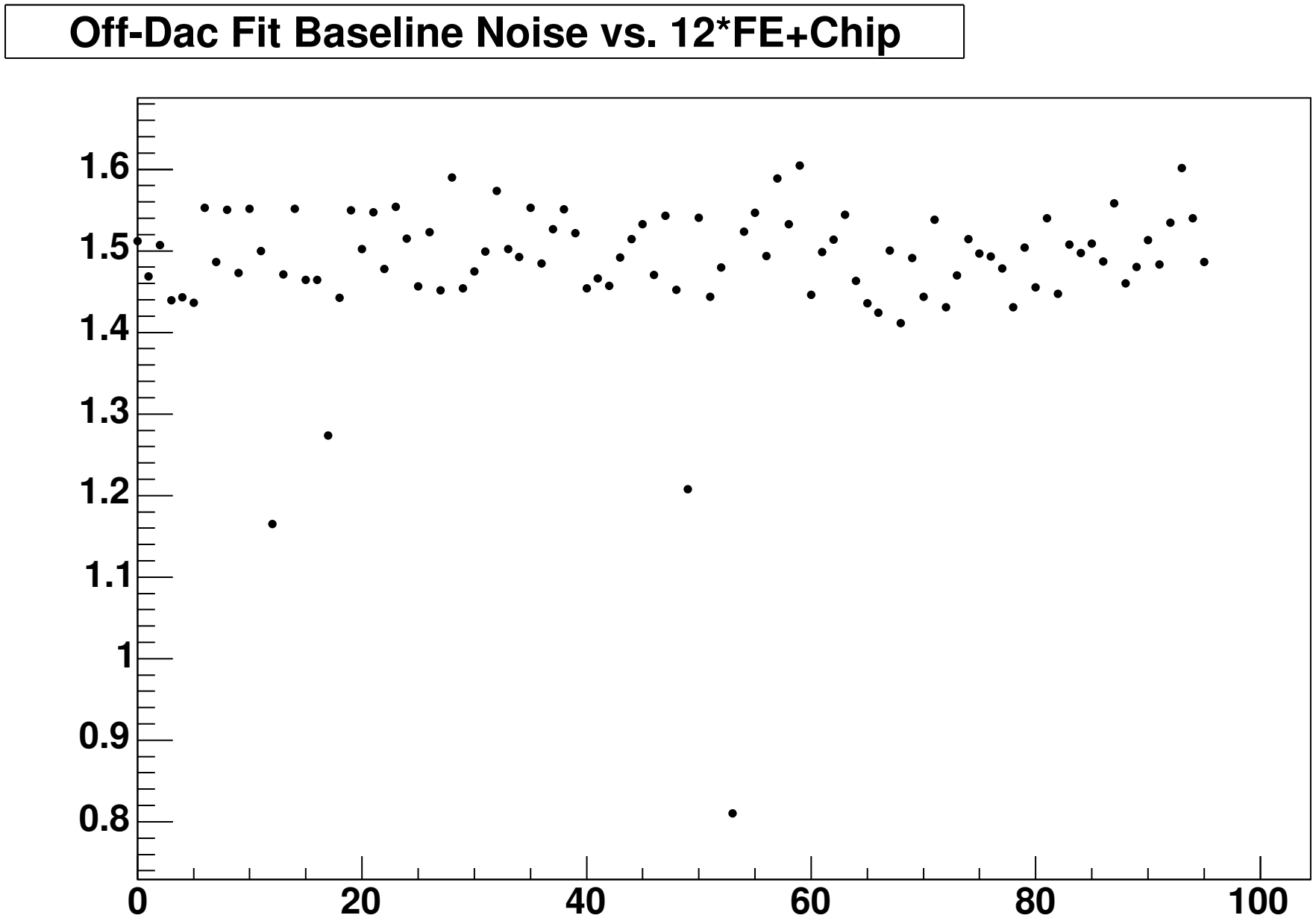

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
4
3
2
1
0
-1
-2
-3
0
20
40
60
80
100

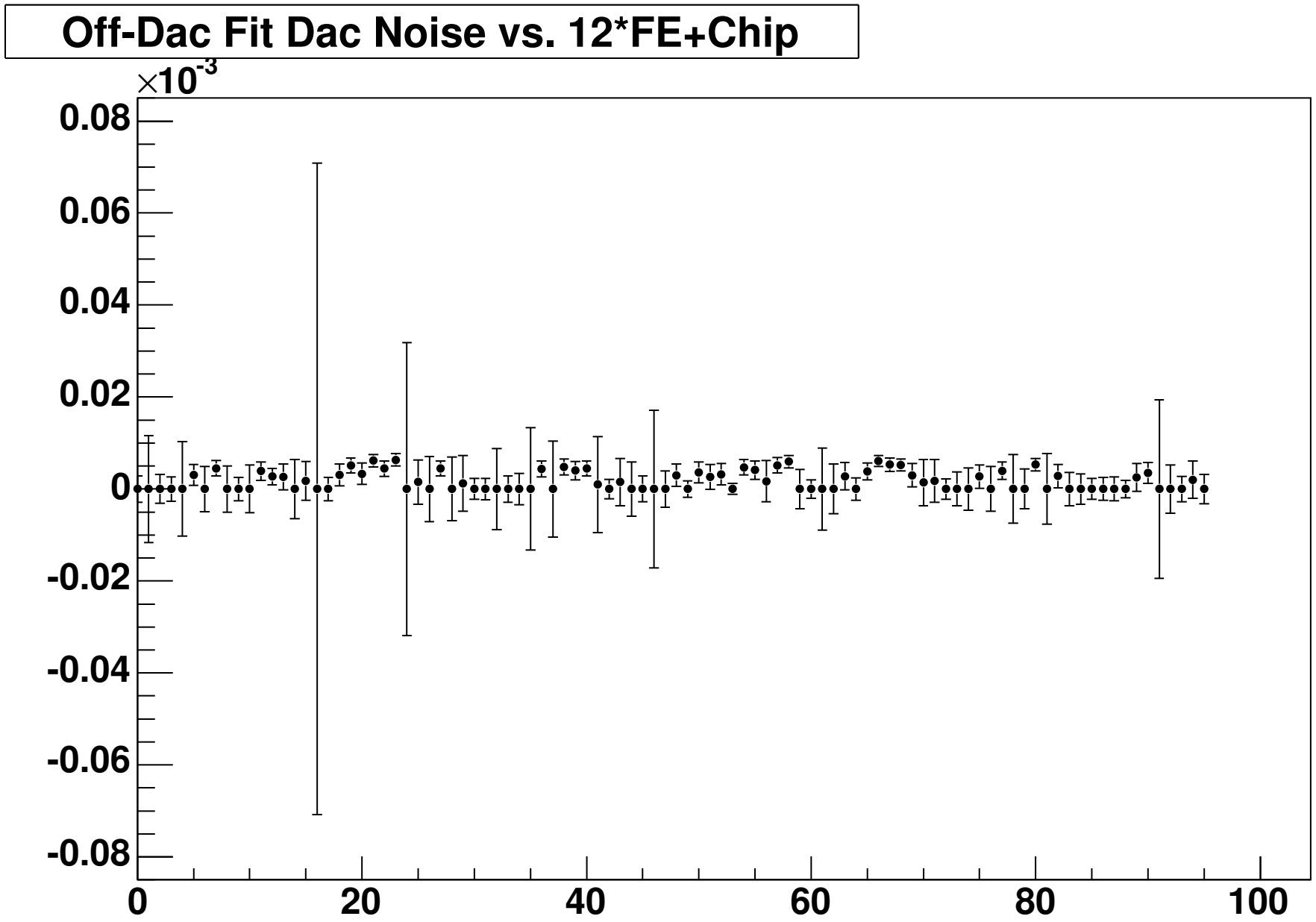

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
70
60
50
40
30
20
10
0
0
20
40
60
80
100

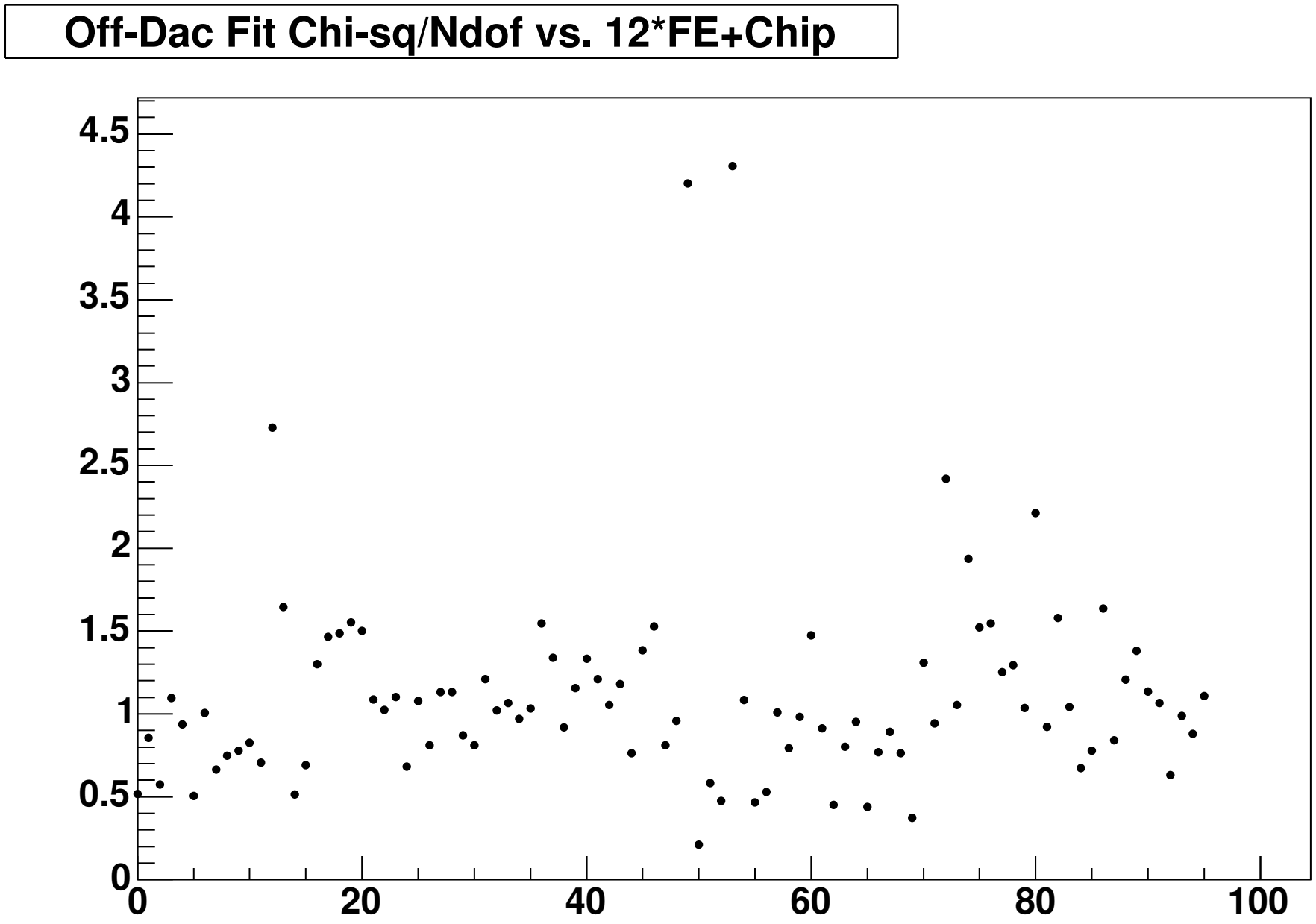

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.5
1.45
1.4
1.35
1.3
1.25
1.2
1.15
0
20
40
60
80
100

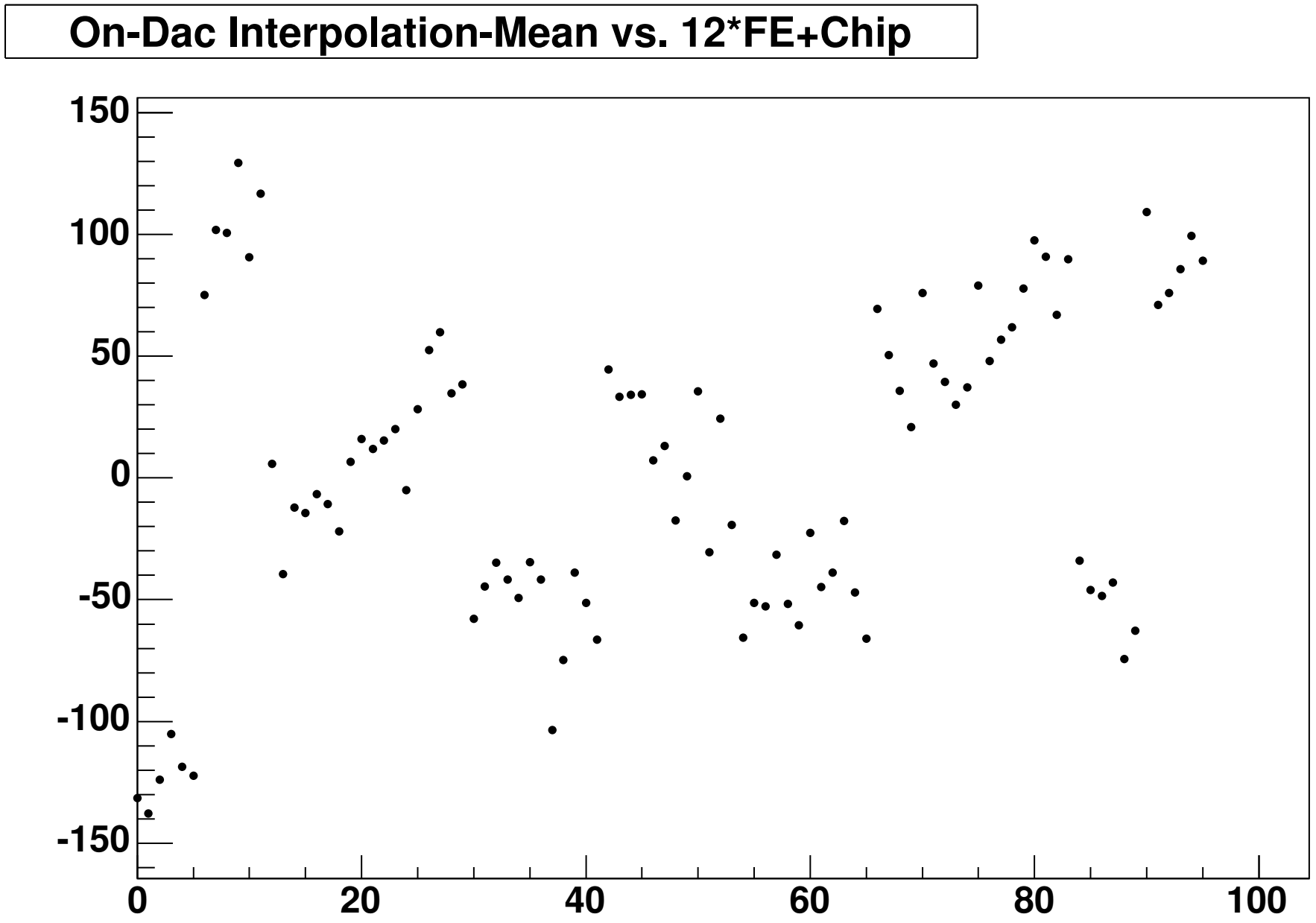

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
44
42
40
38
36
34
32
30
0
20
40
60
80
100

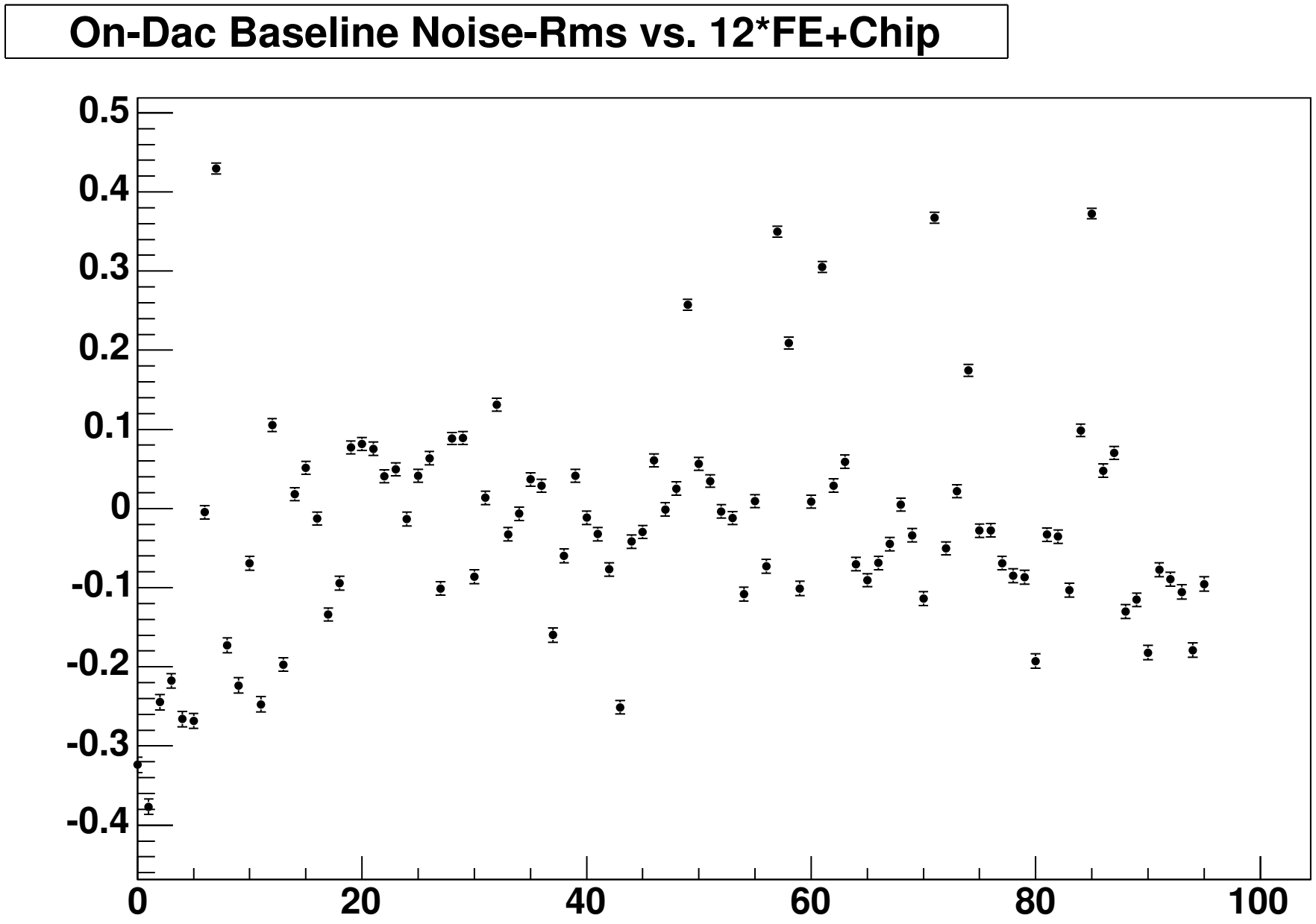

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

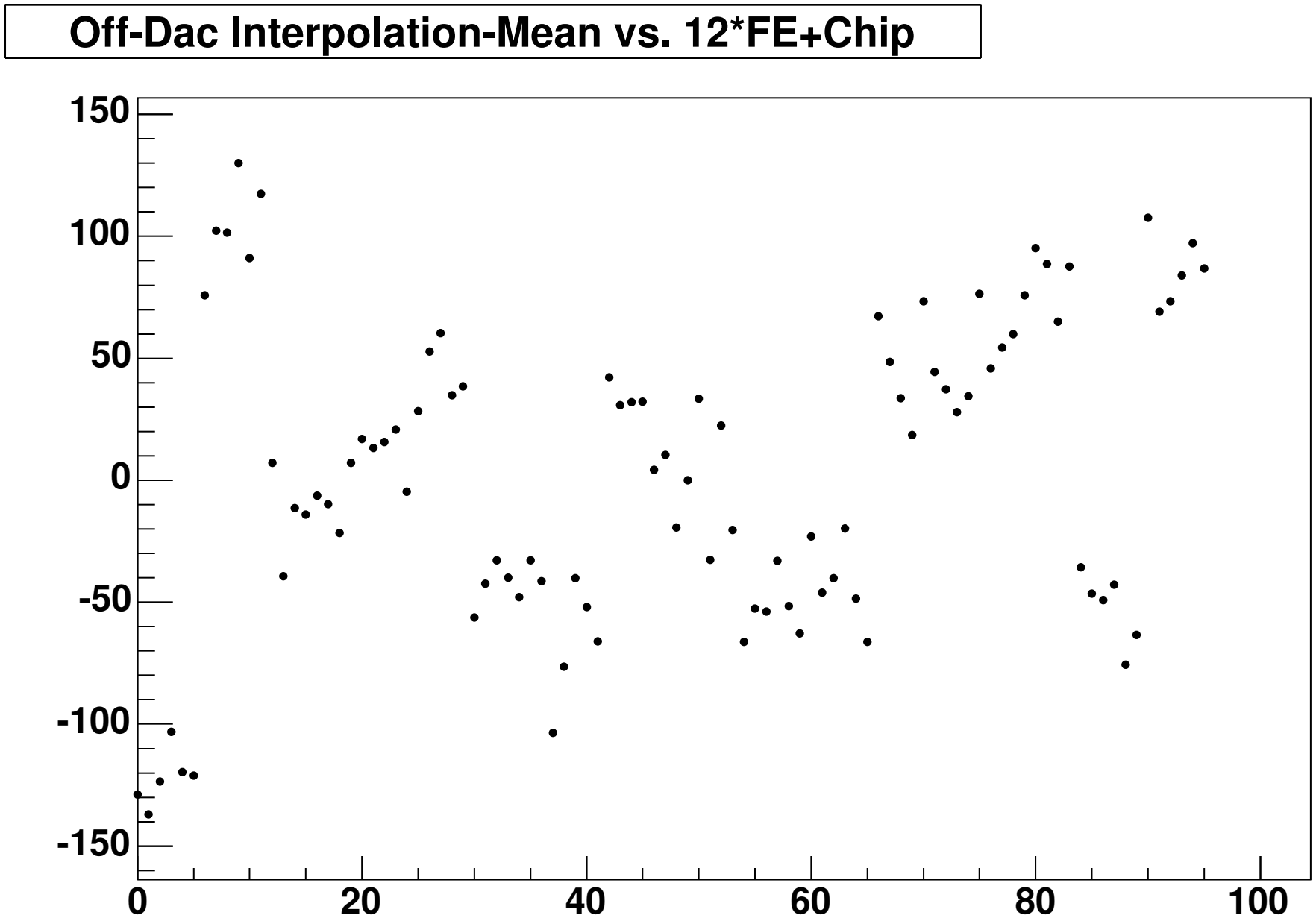

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
20
40
60
80
100

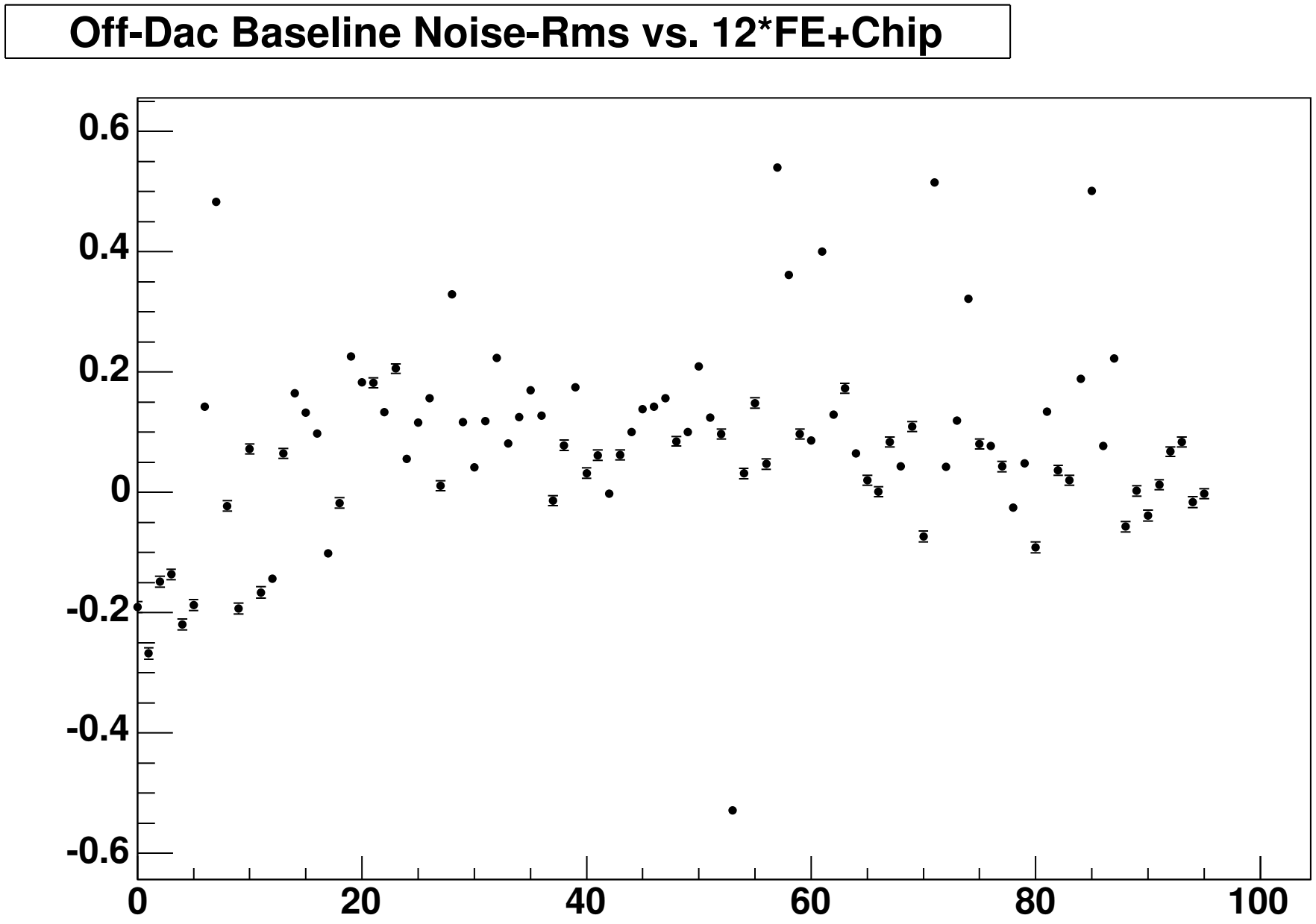

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100


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


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


Off-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
-150
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
-0.6
0
20
40
60
80
100