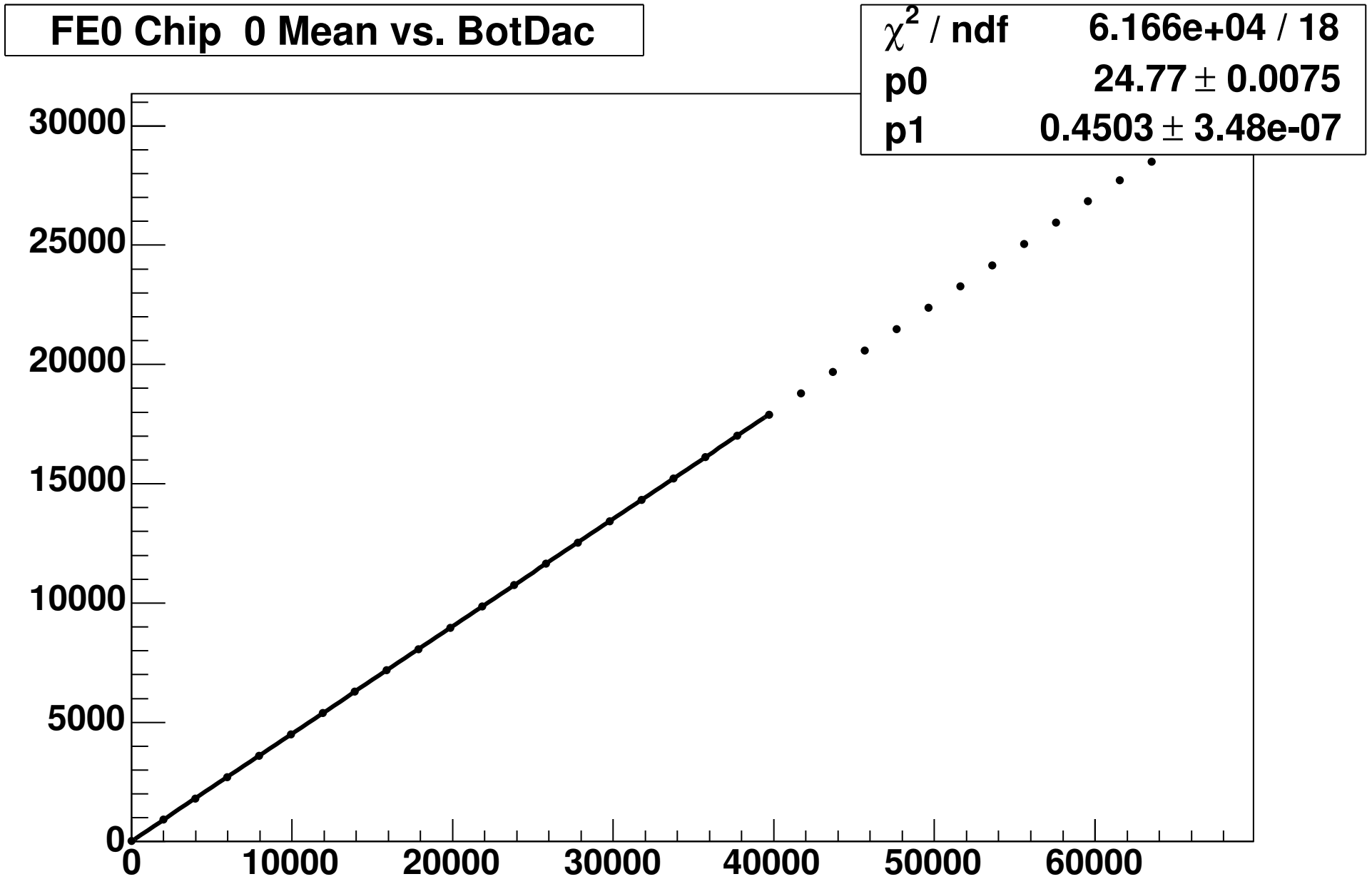
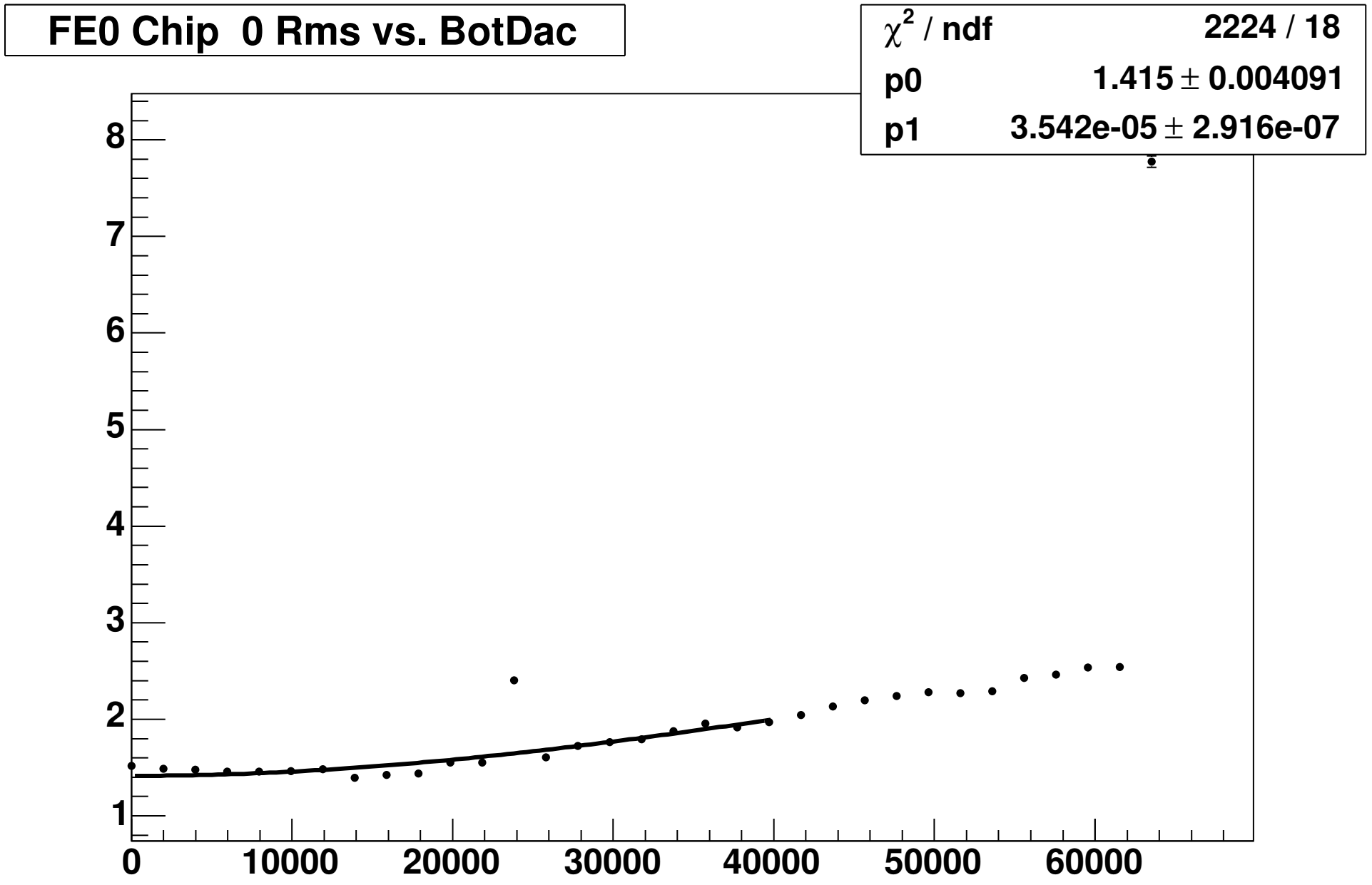
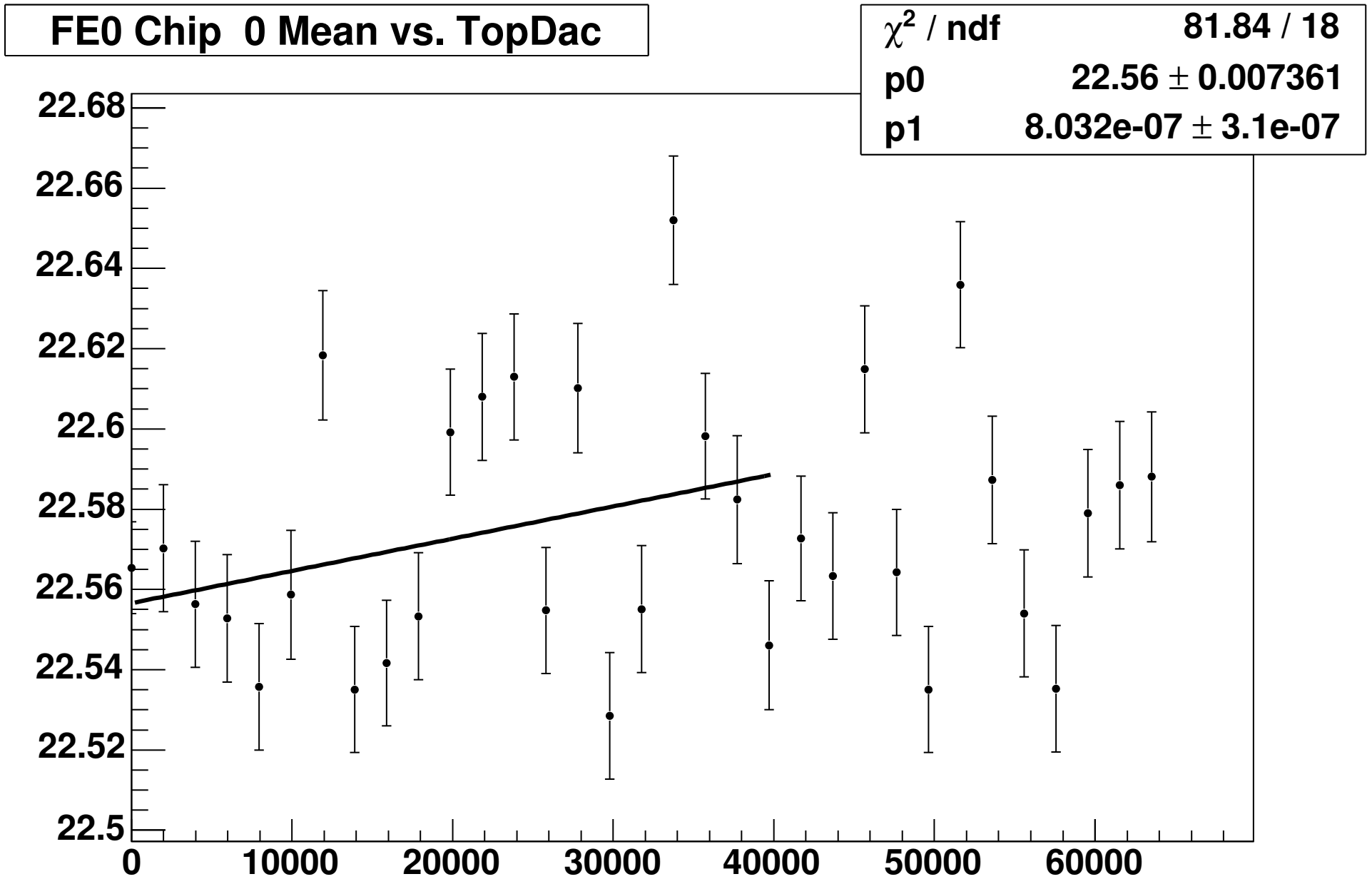

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 6.166e+04 / 18
p0 24.77 ± 0.0075
p1 0.4503 ± 3.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 2224 / 18
p0 1.415 ± 0.004091
p1 3.542e-05 ± 2.916e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 81.84 / 18
p0 22.56 ± 0.007361
p1 8.032e-07 ± 3.1e-07
22.68
22.66
22.64
22.62
22.6
22.58
22.56
22.54
22.52
22.5
0
10000
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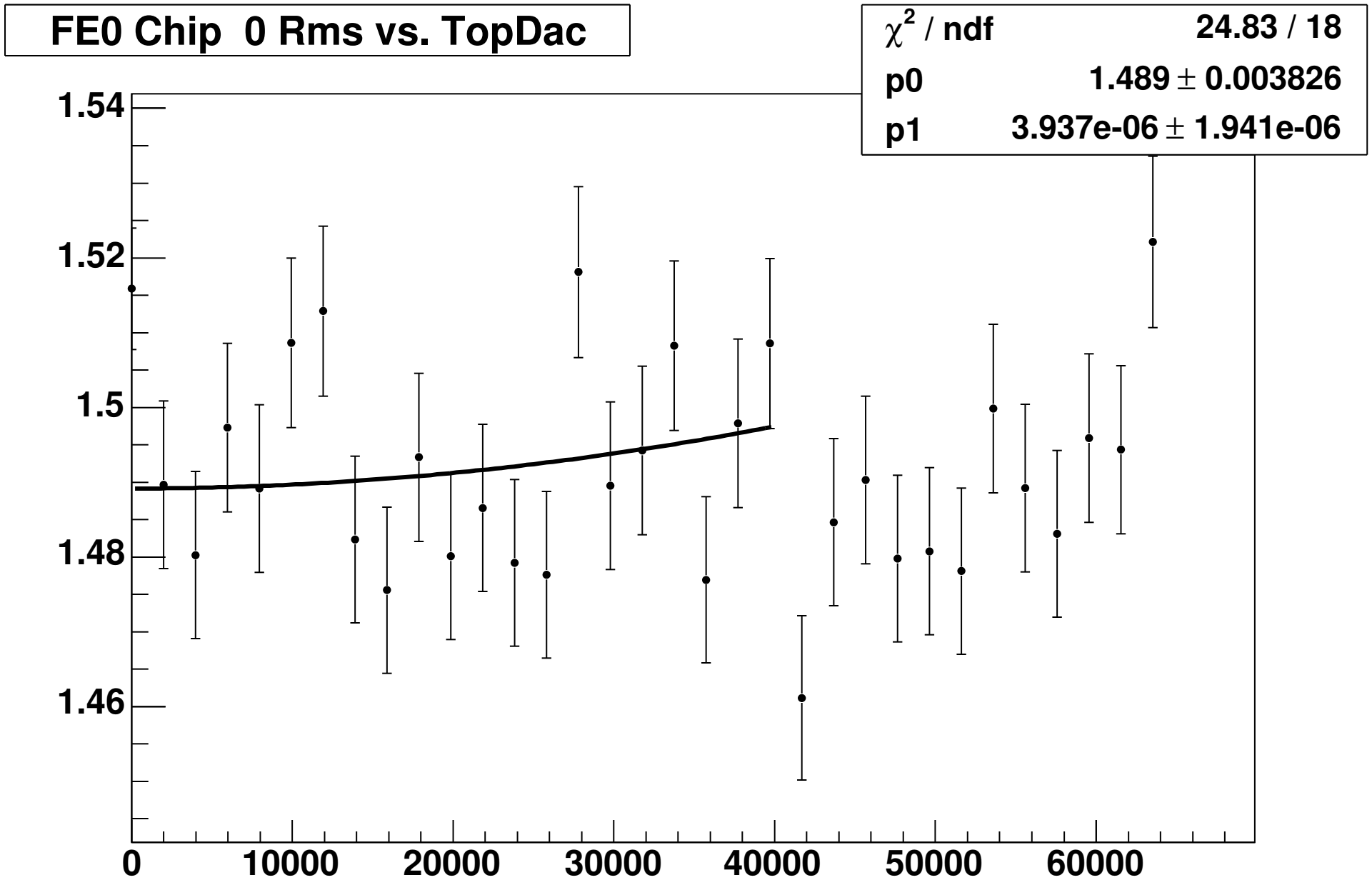
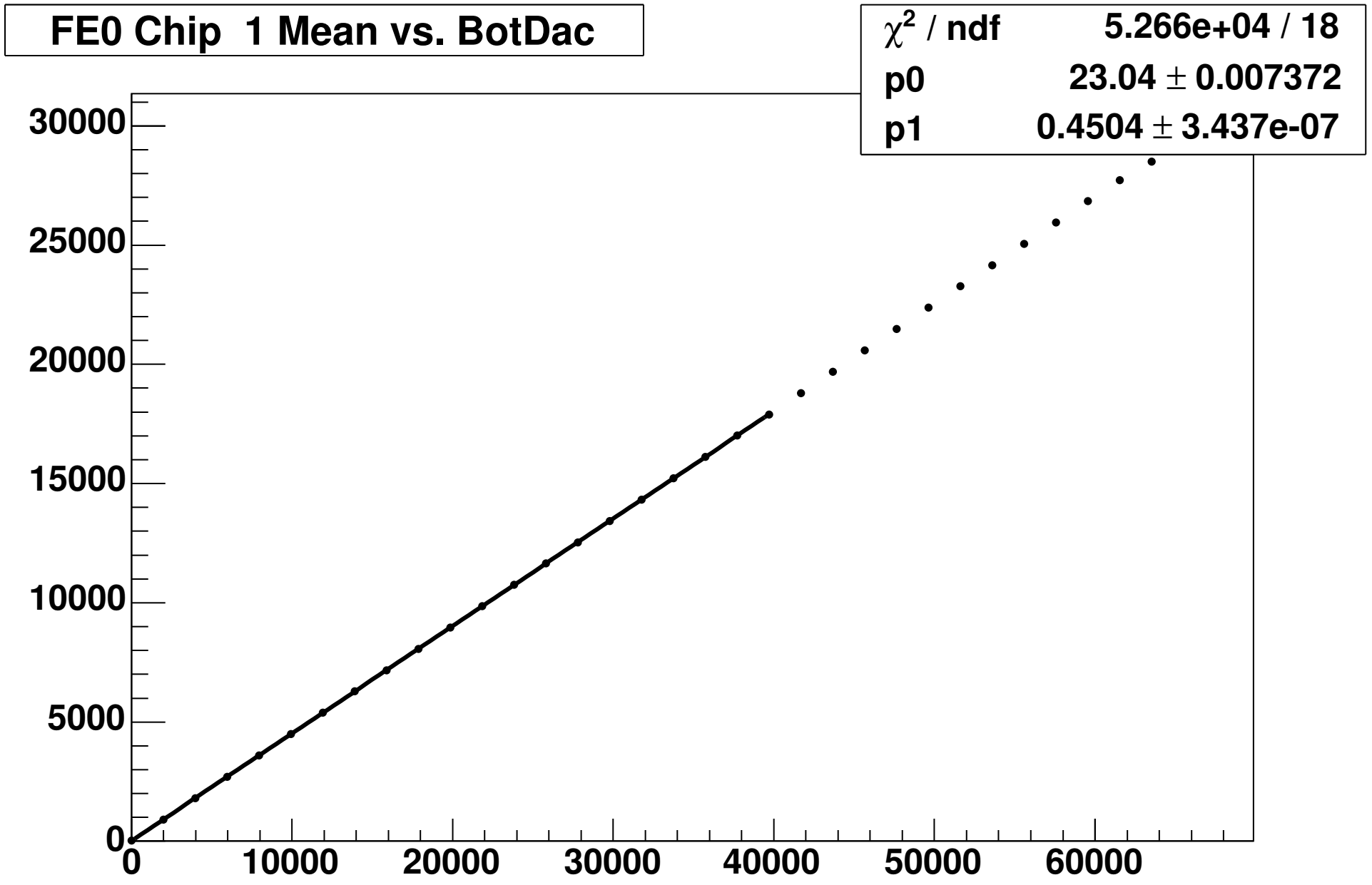
30000
40000
50000
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 24.83 / 18
p0 1.489 ± 0.003826
p1 3.937e-06 ± 1.941e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 5.266e+04 / 18
p0 23.04 ± 0.007372
p1 0.4504 ± 3.437e-07
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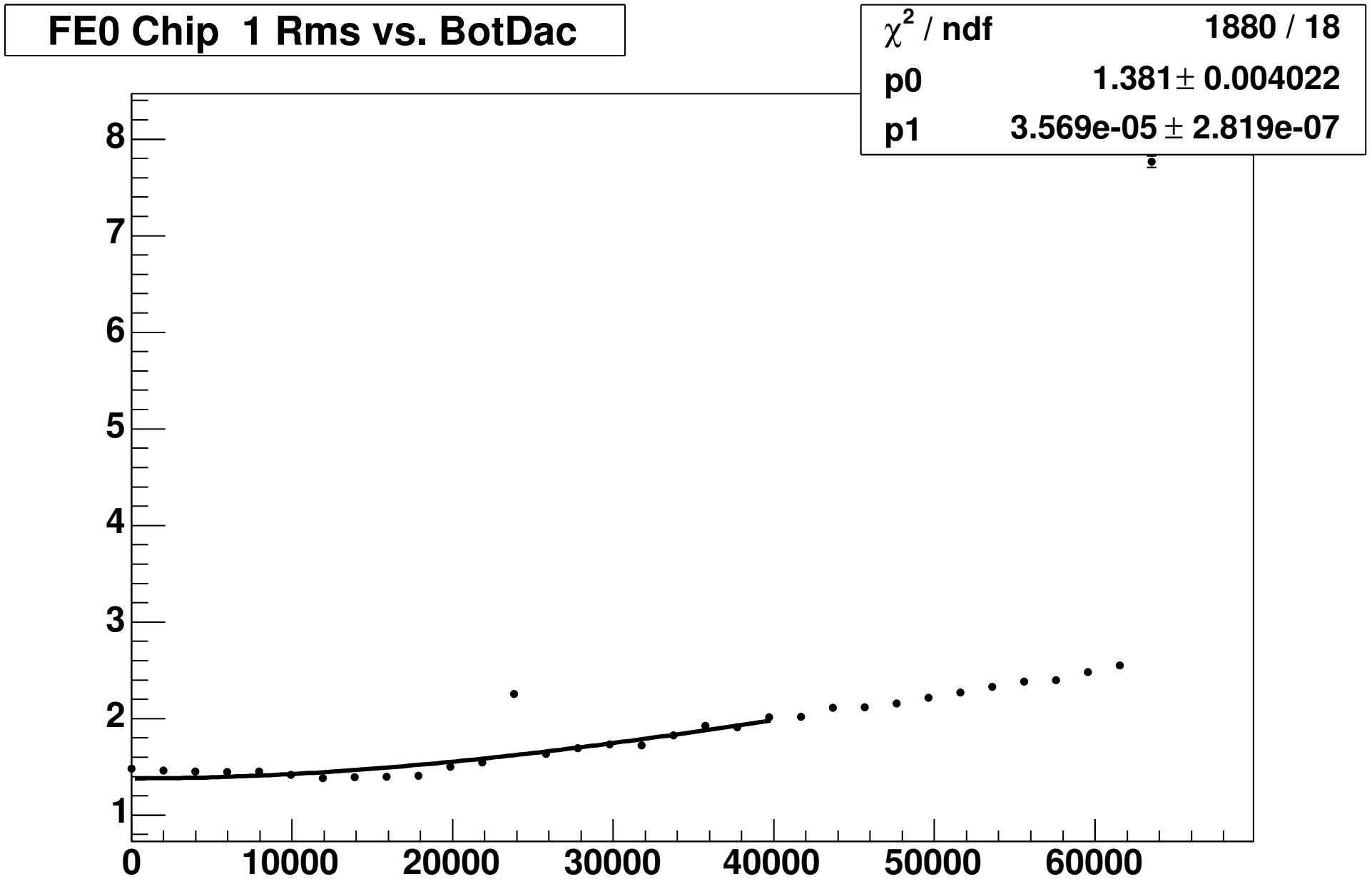
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 1880 / 18
p0 1.381 ± 0.004022
p1 3.569e-05 ± 2.819e-07
8
7
6
5
4
3
2
1
0
10000
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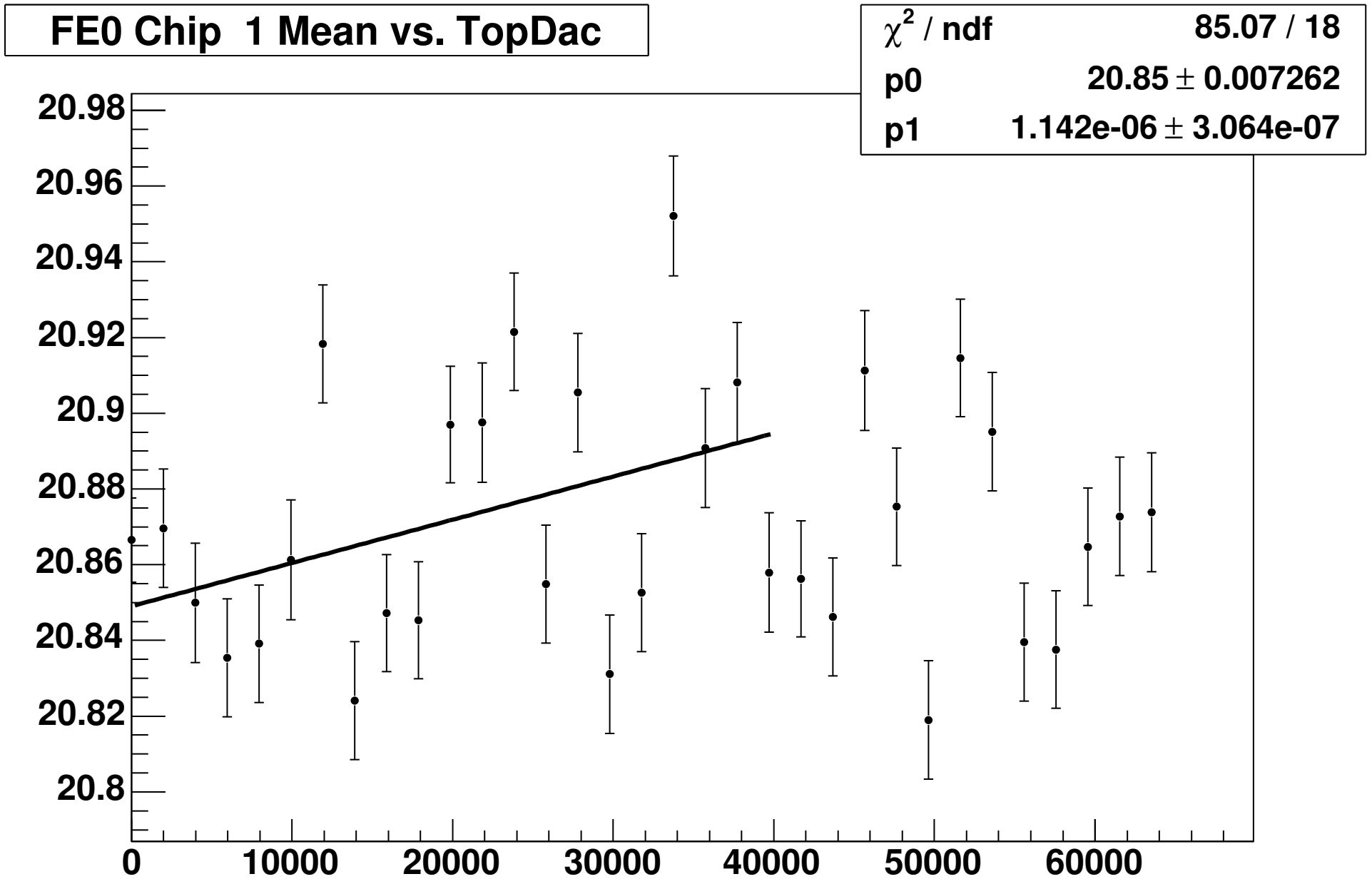
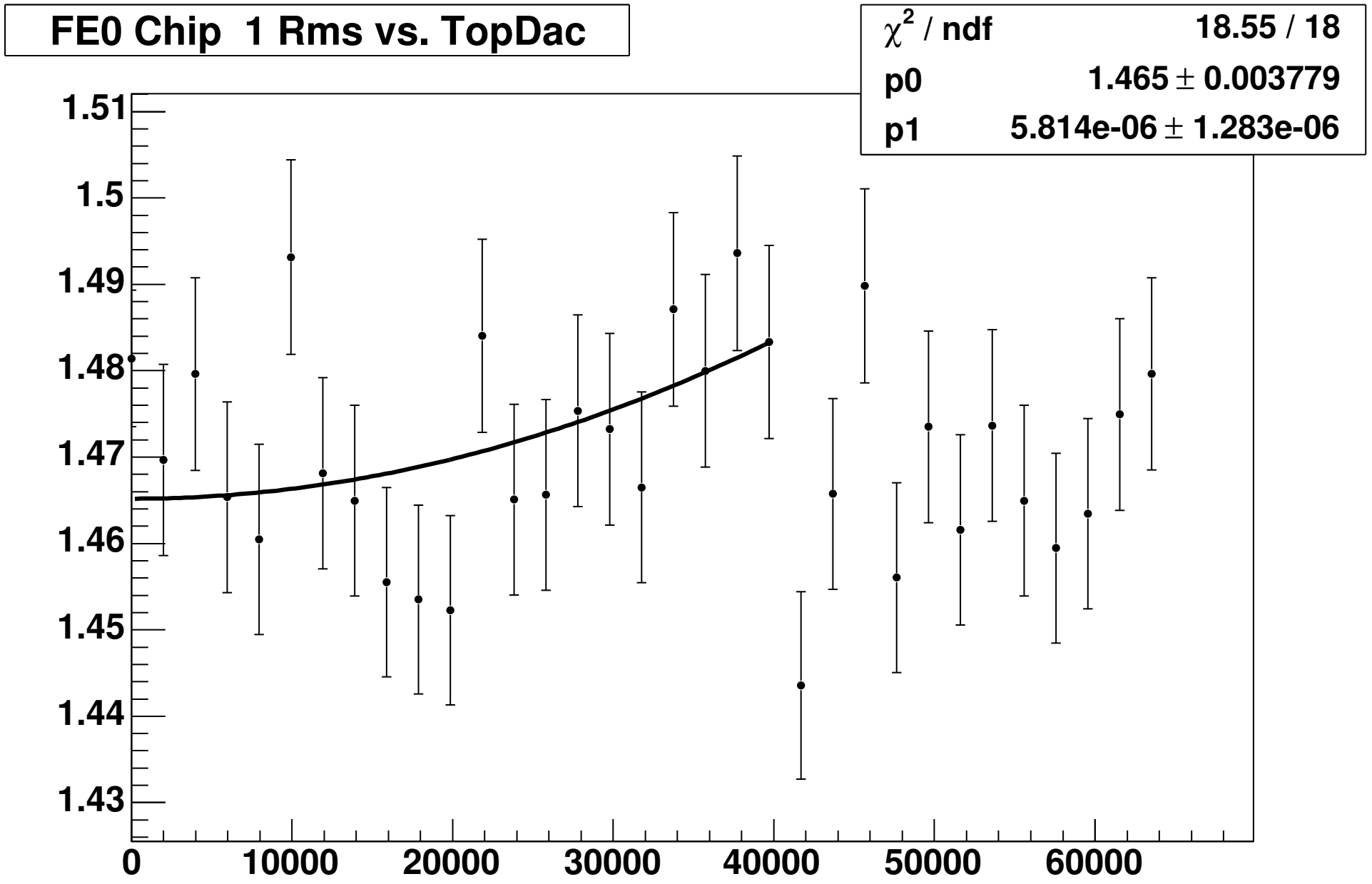
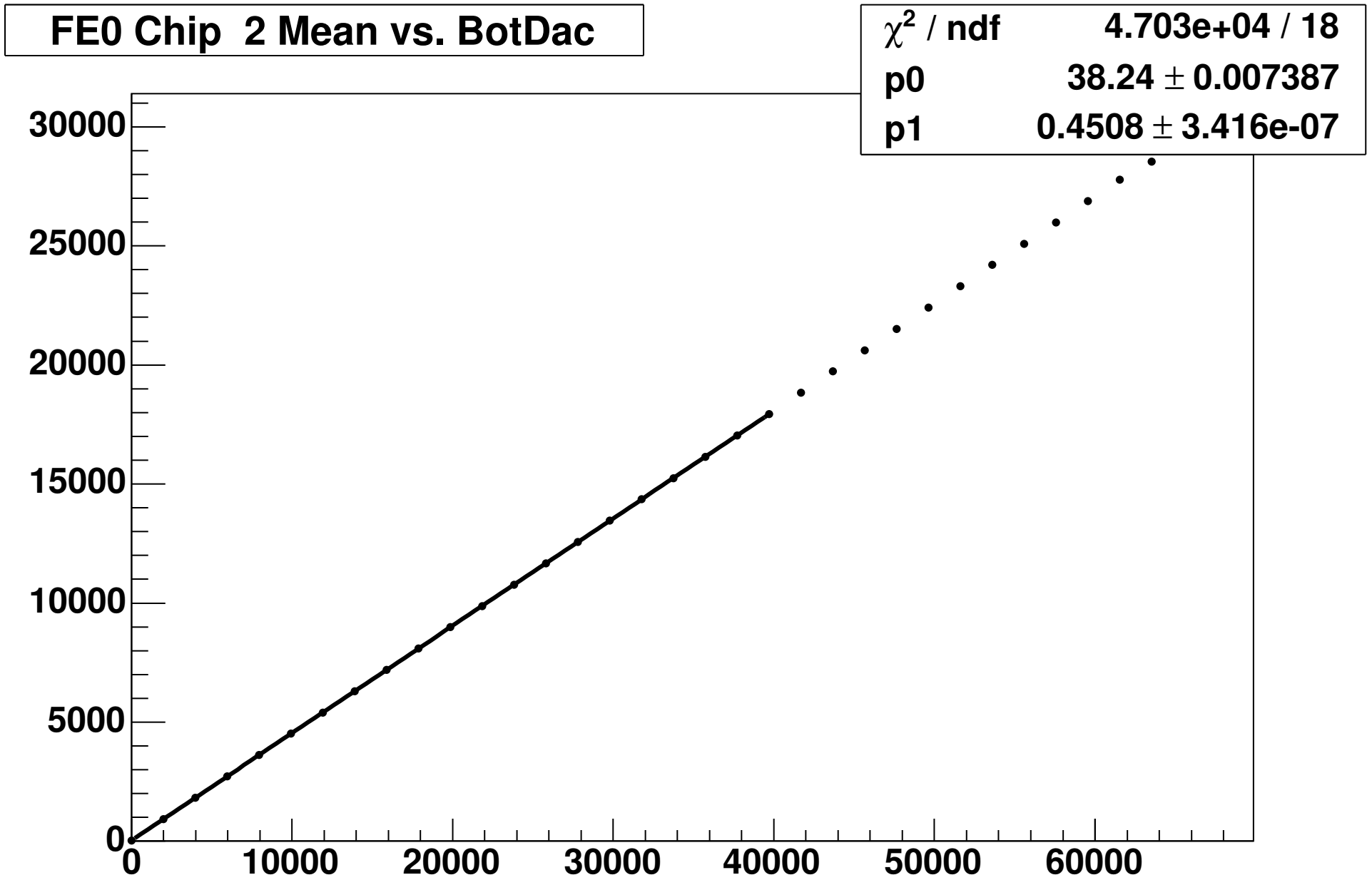
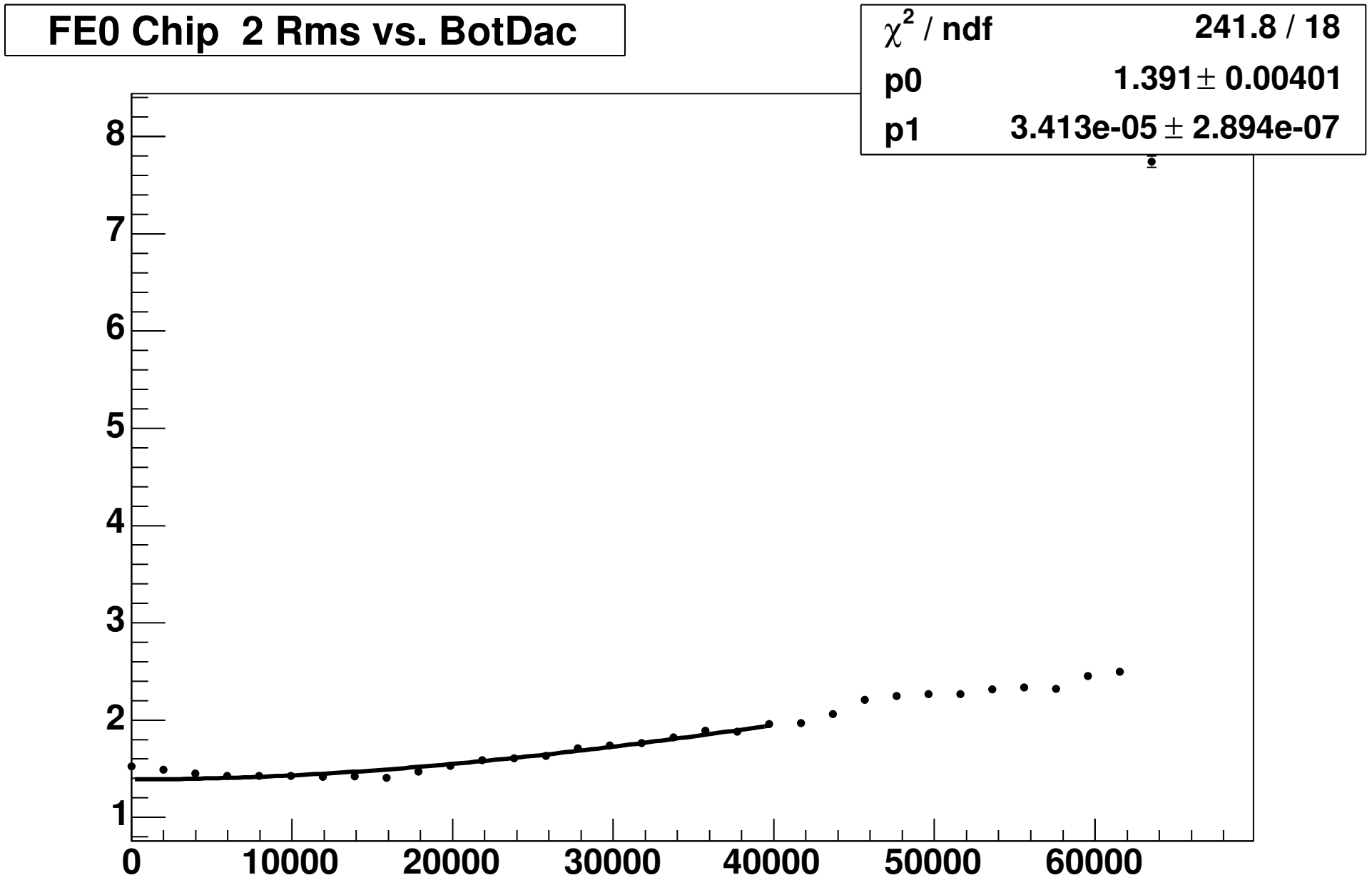
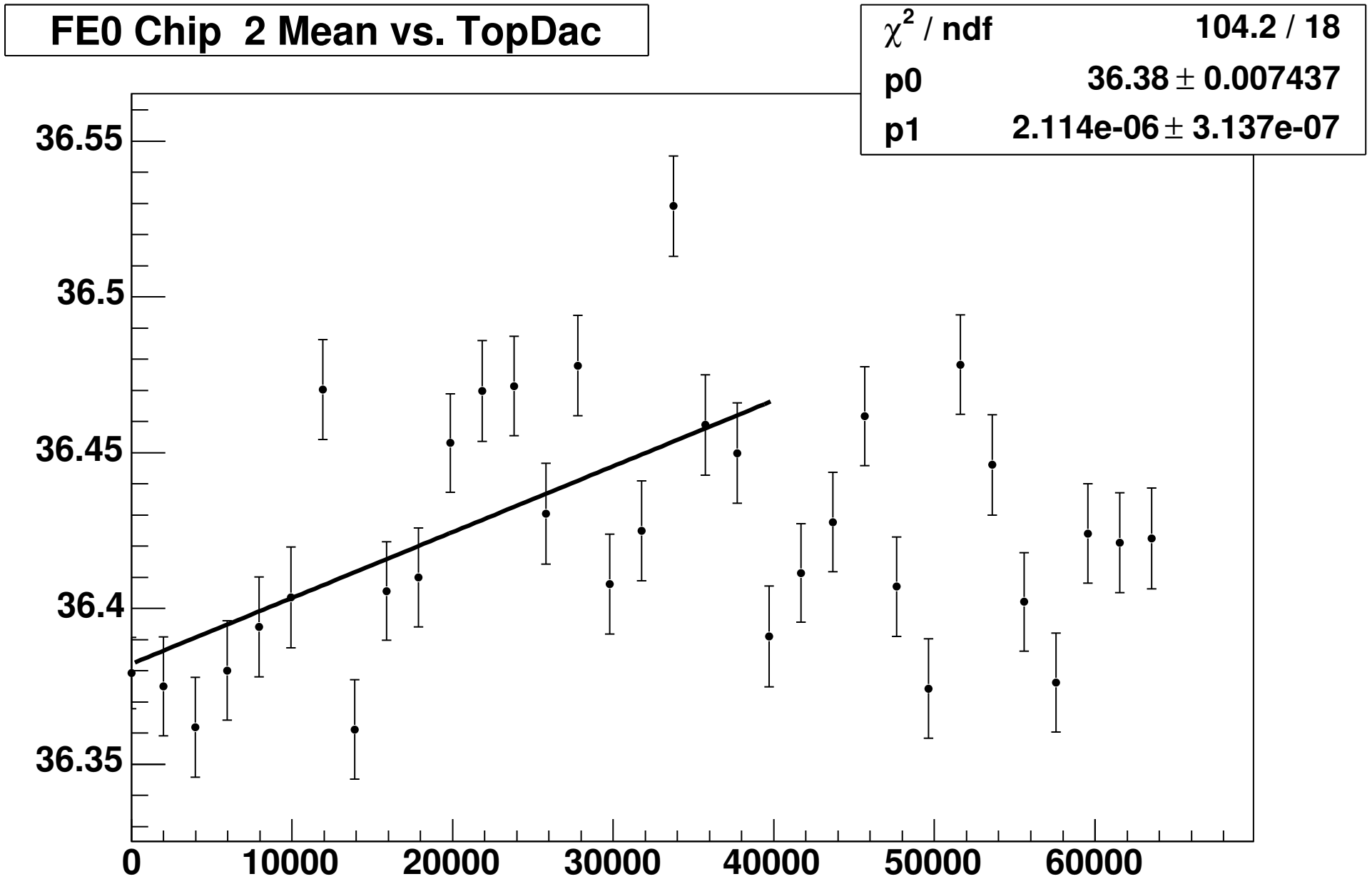
30000
40000
50000
60000

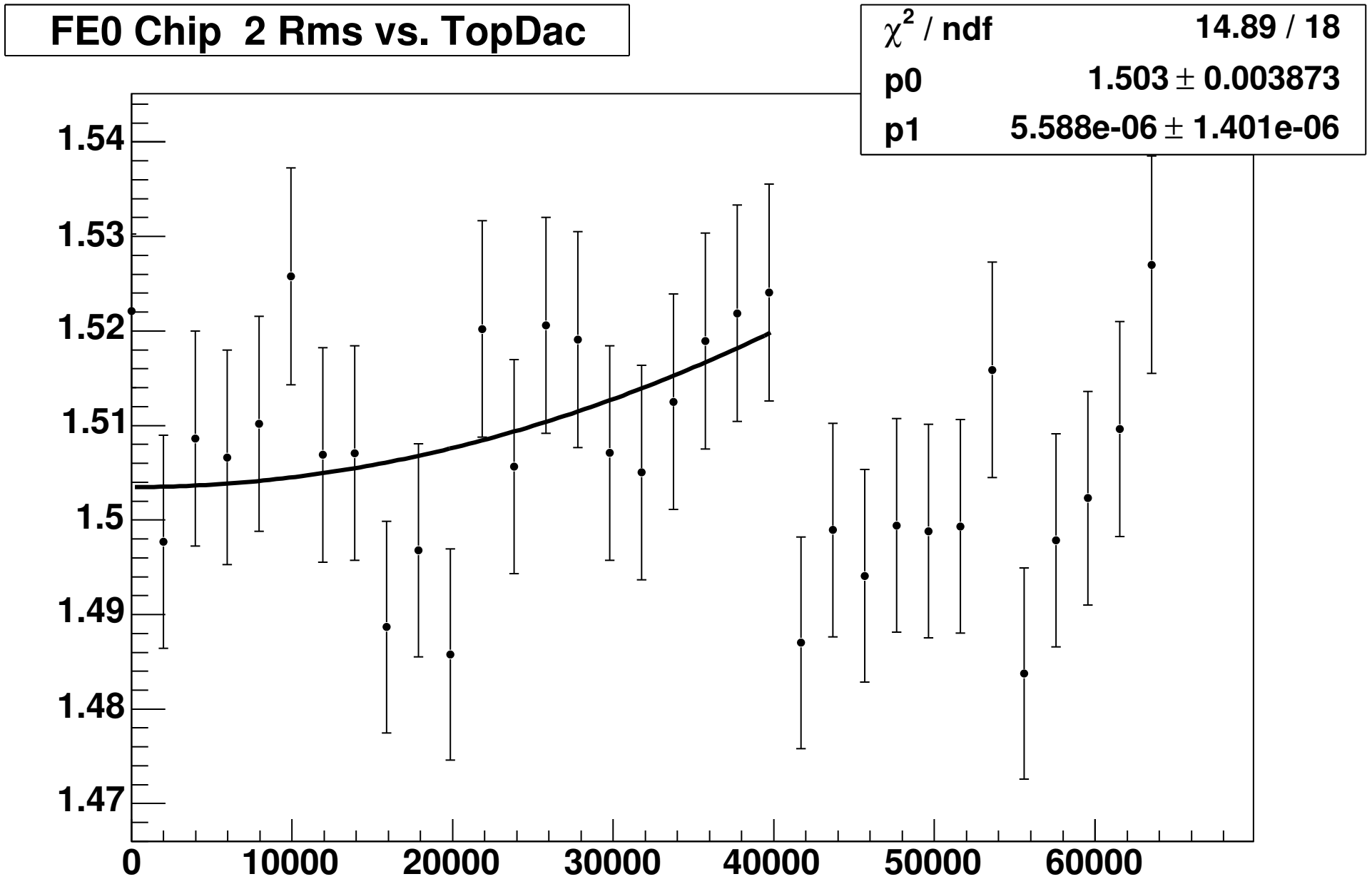

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 85.07 / 18
p0 20.85 ± 0.007262
p1 1.142e-06 ± 3.064e-07
20.98
20.96
20.94
20.92
20.9
20.88
20.86
20.84
20.82
20.8
0
10000
20000
30000
40000
50000
60000

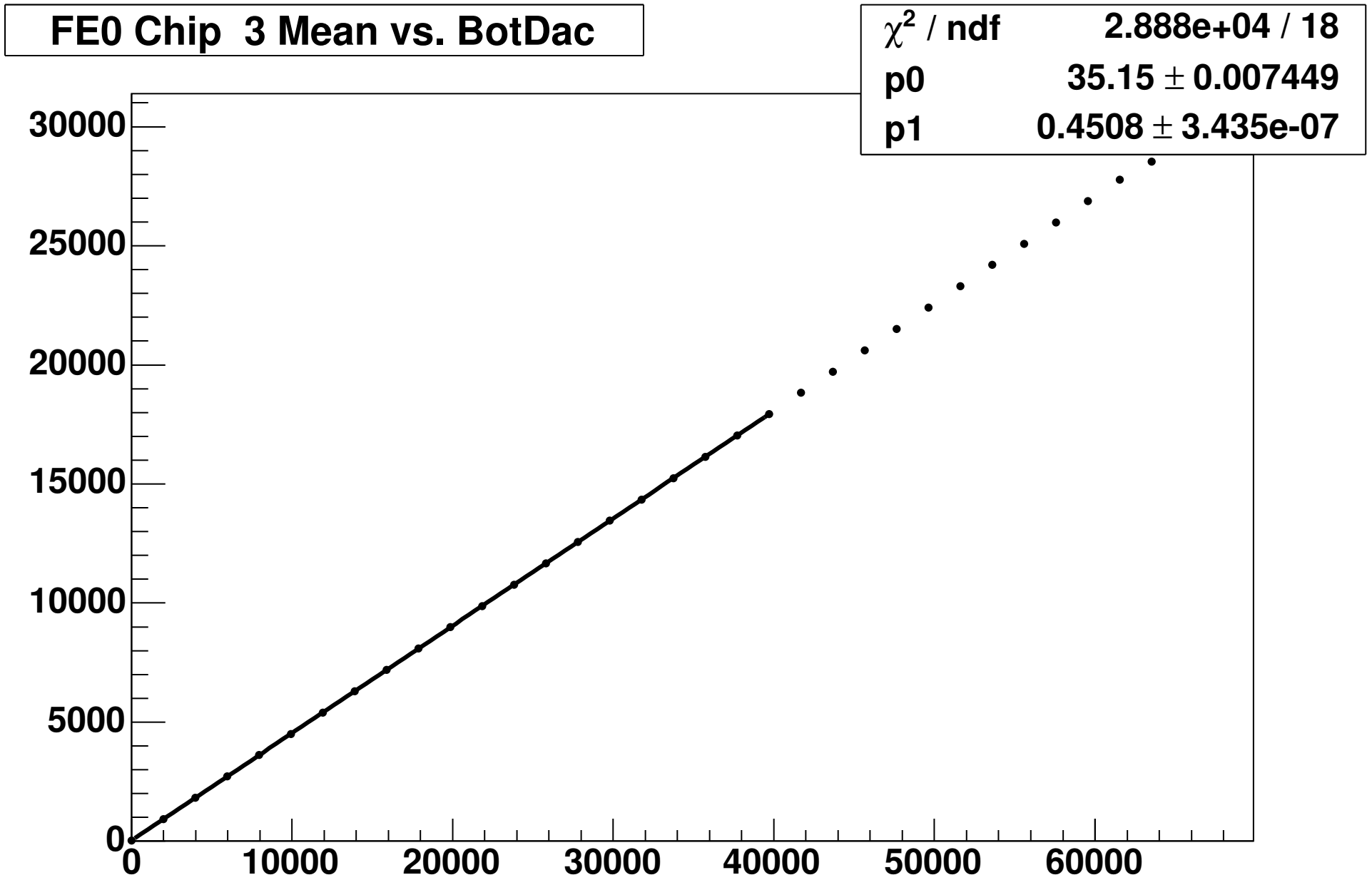

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 18.55 / 18
p0 1.465 ± 0.003779
p1 5.814e-06 ± 1.283e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

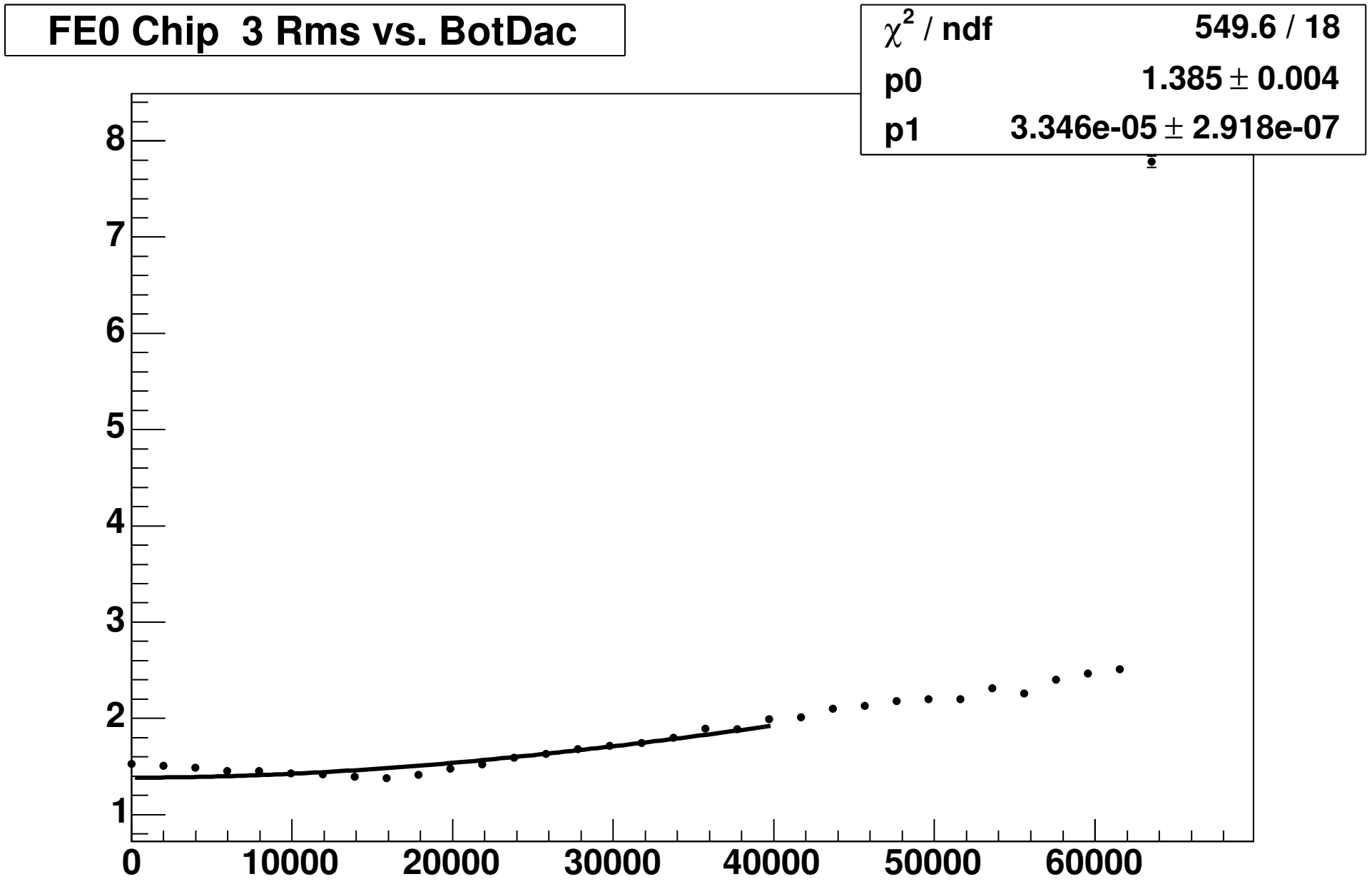

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 4.703e+04 / 18
p0 38.24 ± 0.007387
p1 0.4508 ± 3.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

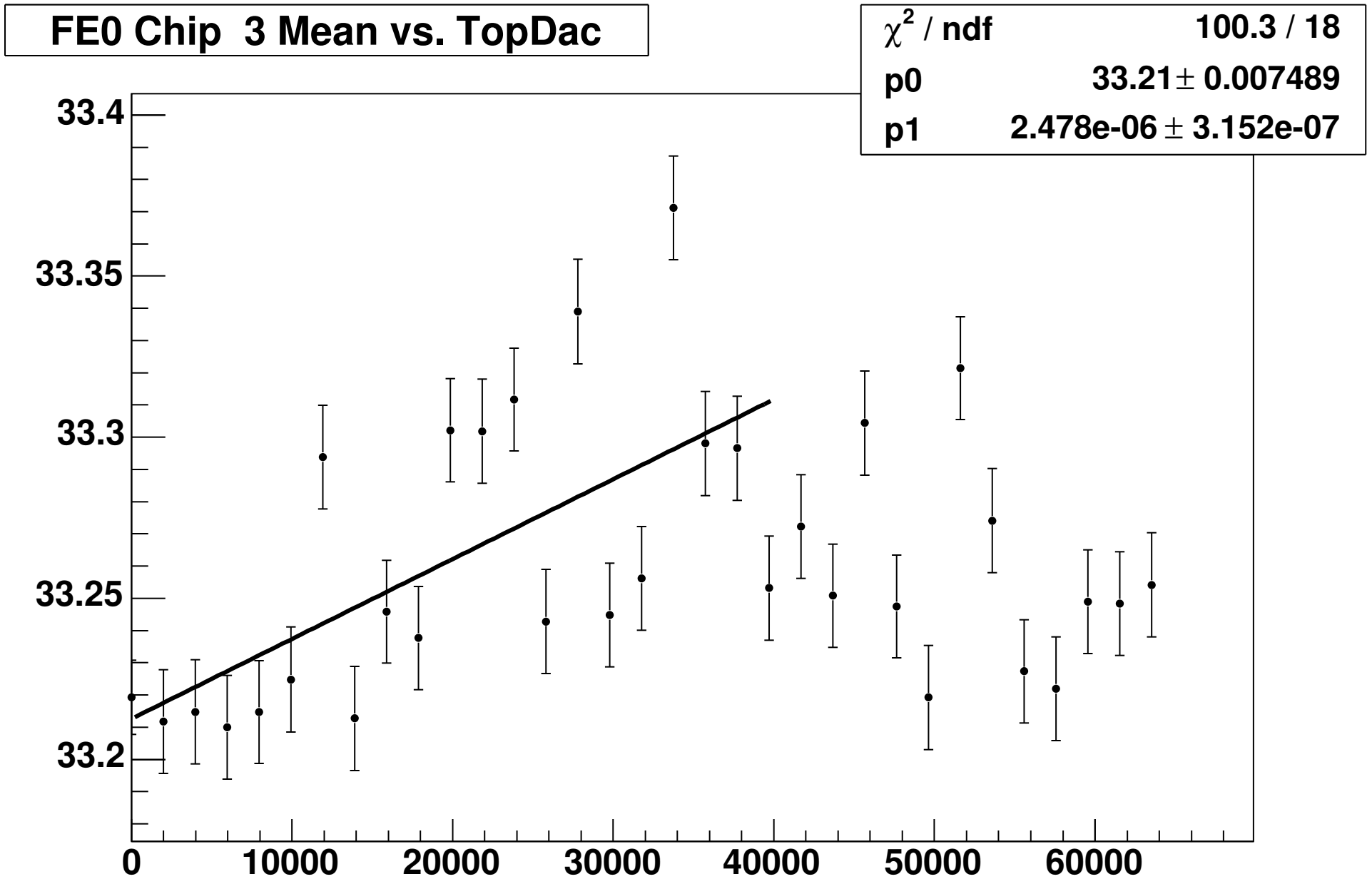

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 241.8 / 18
p0 1.391 ± 0.00401
p1 3.413e-05 ± 2.894e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

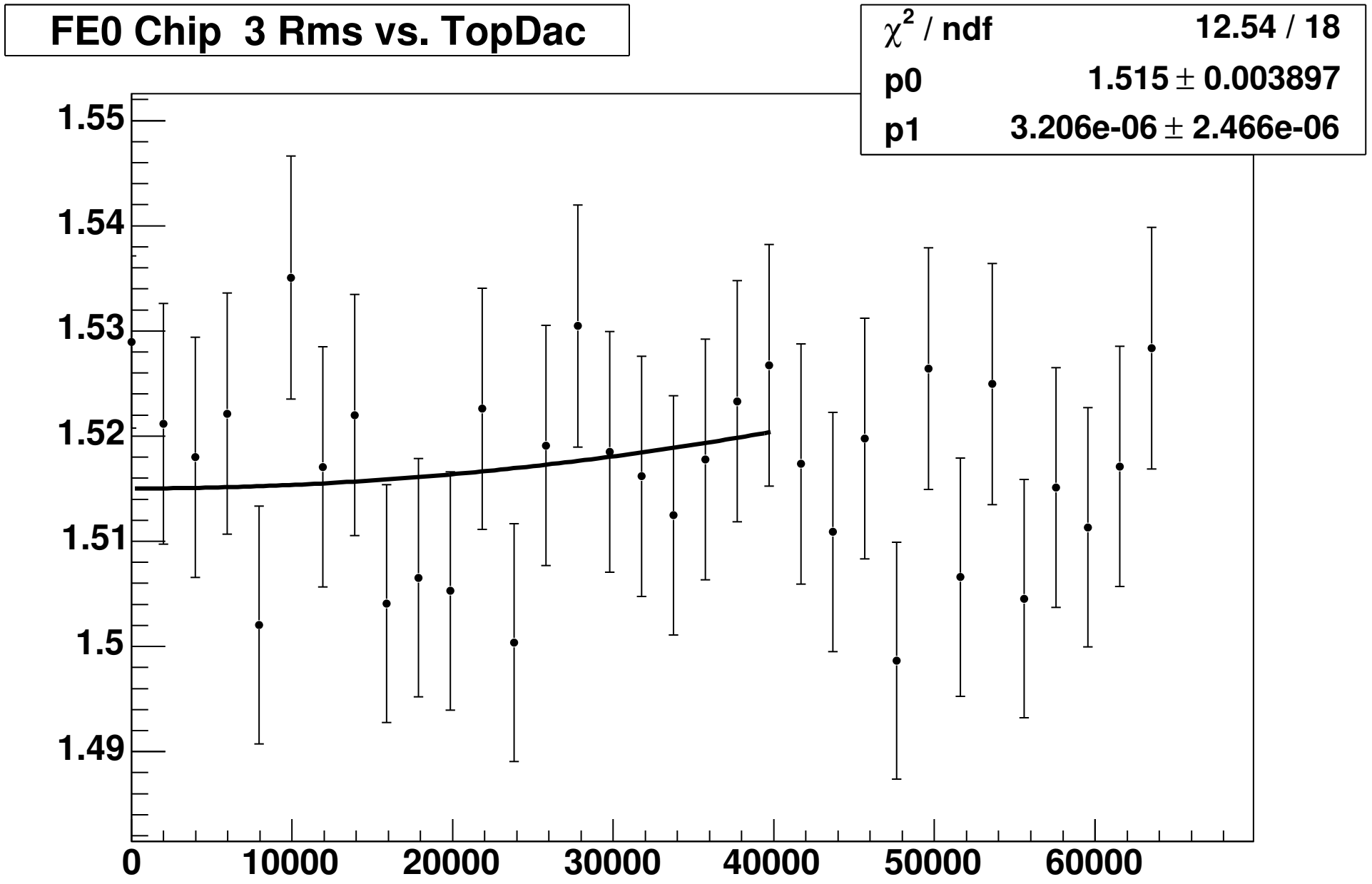

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 104.2 / 18
p0 36.38 ± 0.007437
p1 2.114e-06 ± 3.137e-07
36.55
36.5
36.45
36.4
36.35
0
10000
20000
30000
40000
50000
60000

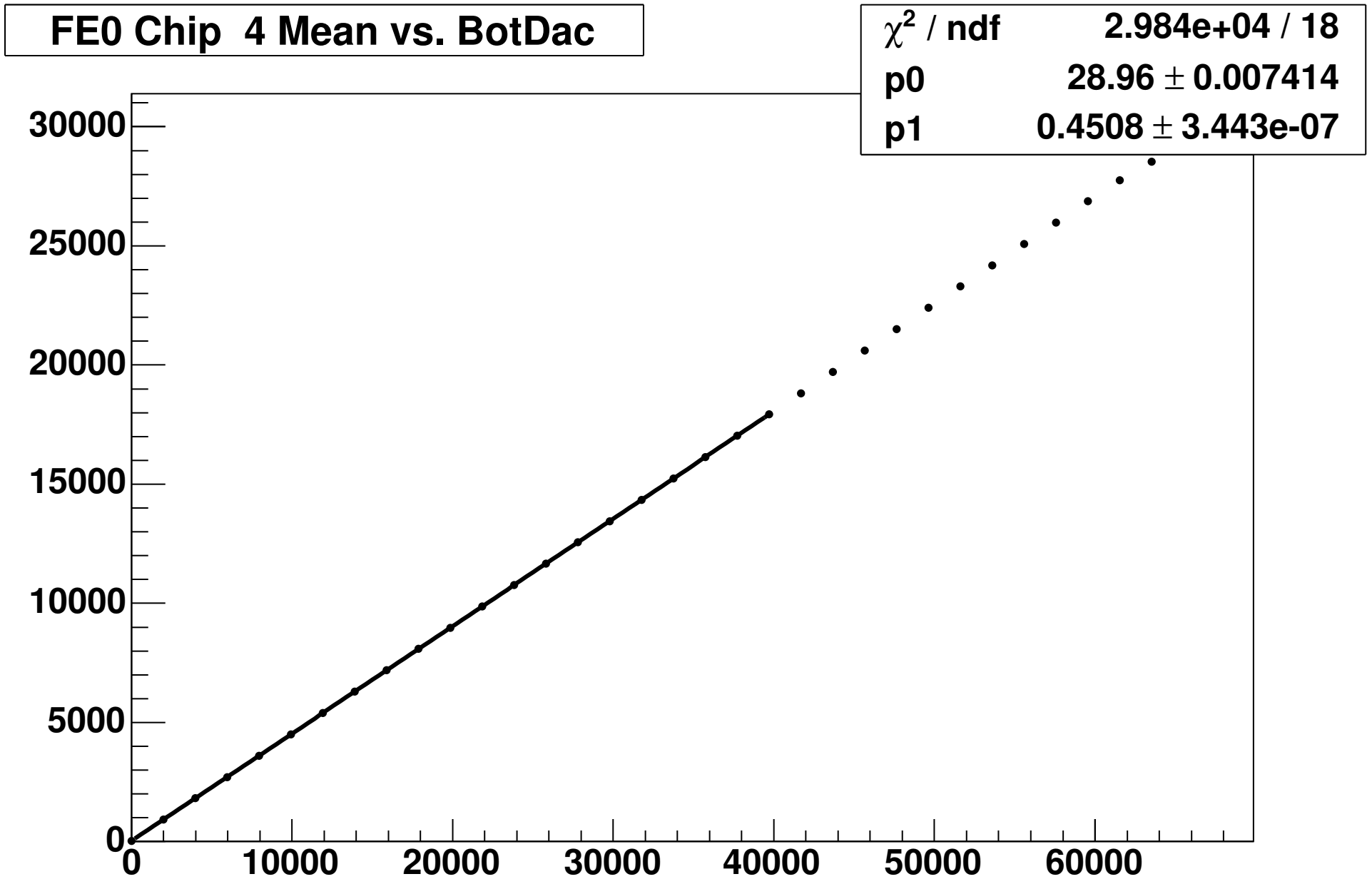

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 14.89 / 18
p0 1.503 ± 0.003873
p1 5.588e-06 ± 1.401e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

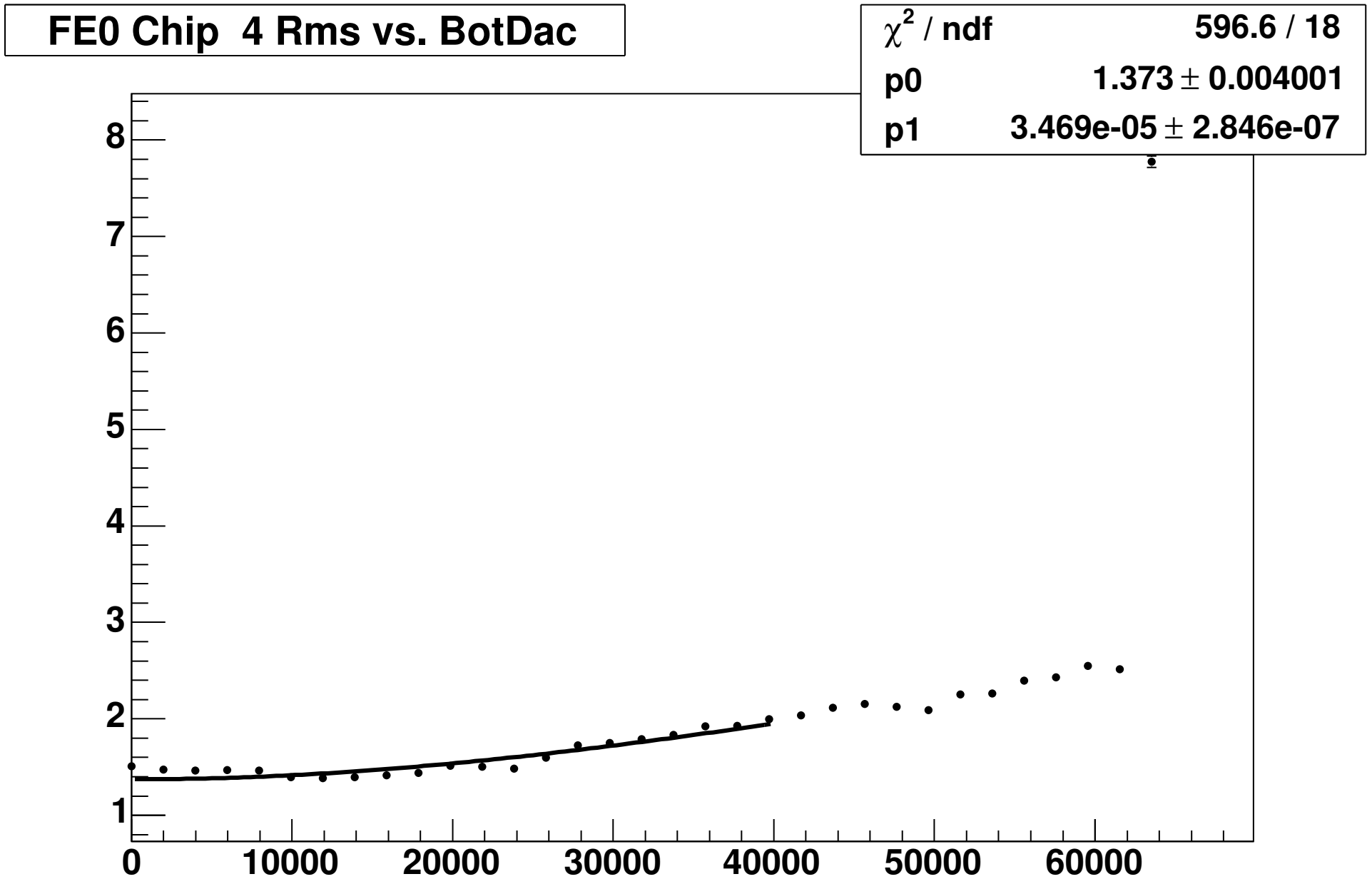

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 2.888e+04 / 18
p0 35.15 ± 0.007449
p1 0.4508 ± 3.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

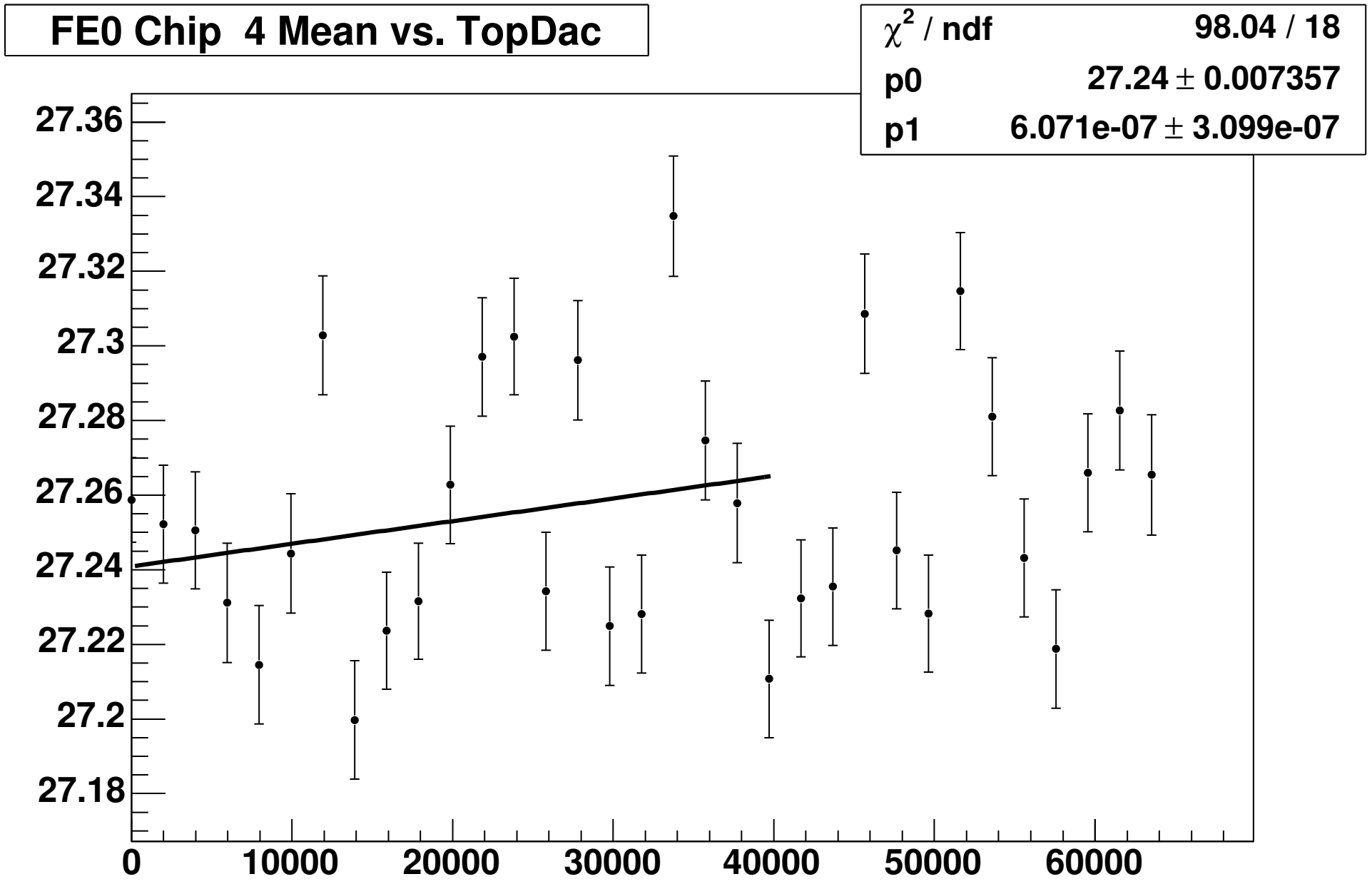

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 549.6 / 18
p0 1.385 ± 0.004
p1 3.346e-05 ± 2.918e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

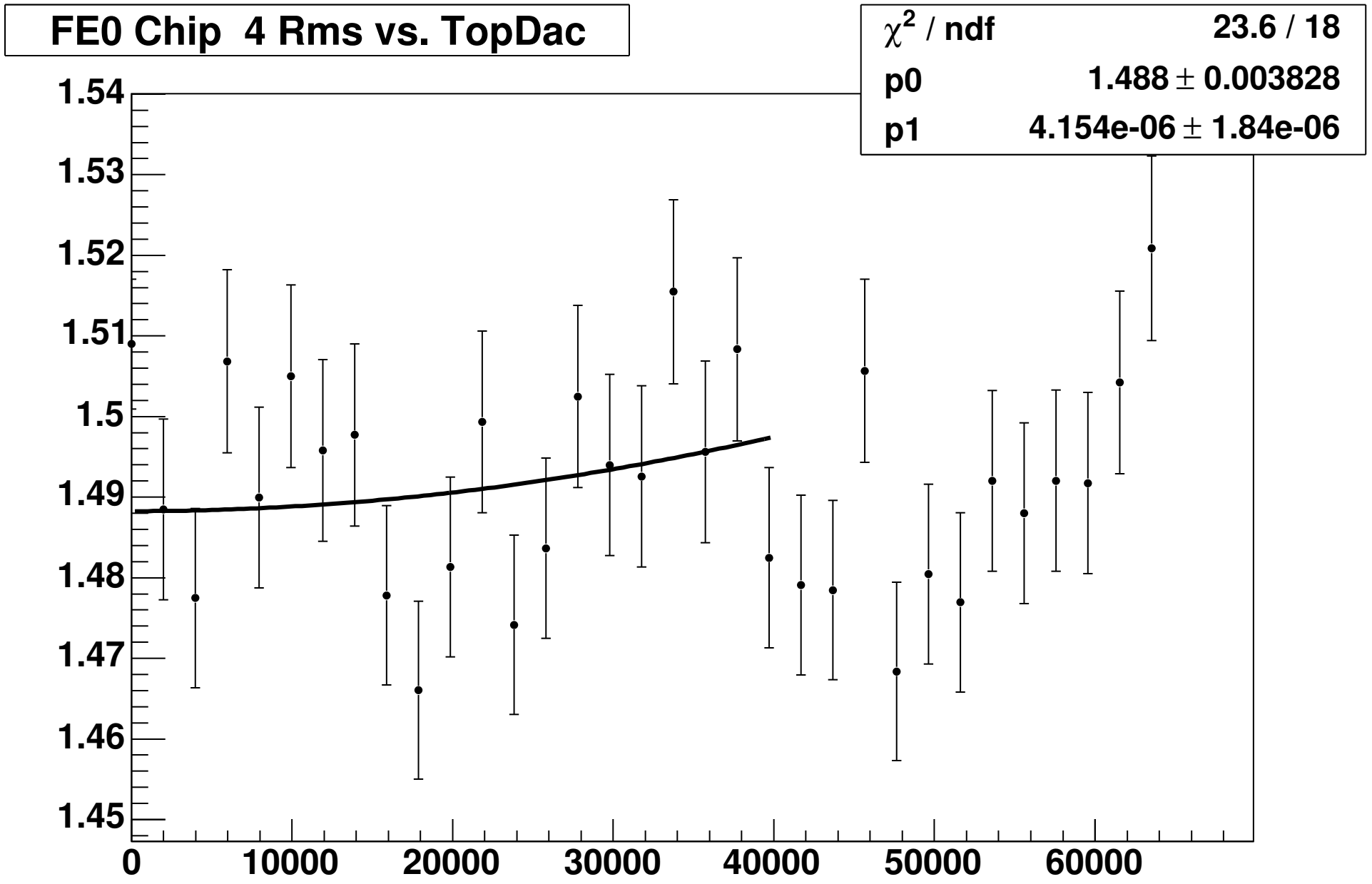

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 100.3 / 18
p0 33.21 ± 0.007489
p1 2.478e-06 ± 3.152e-07
33.4
33.35
33.3
33.25
33.2
0
10000
20000
30000
40000
50000
60000

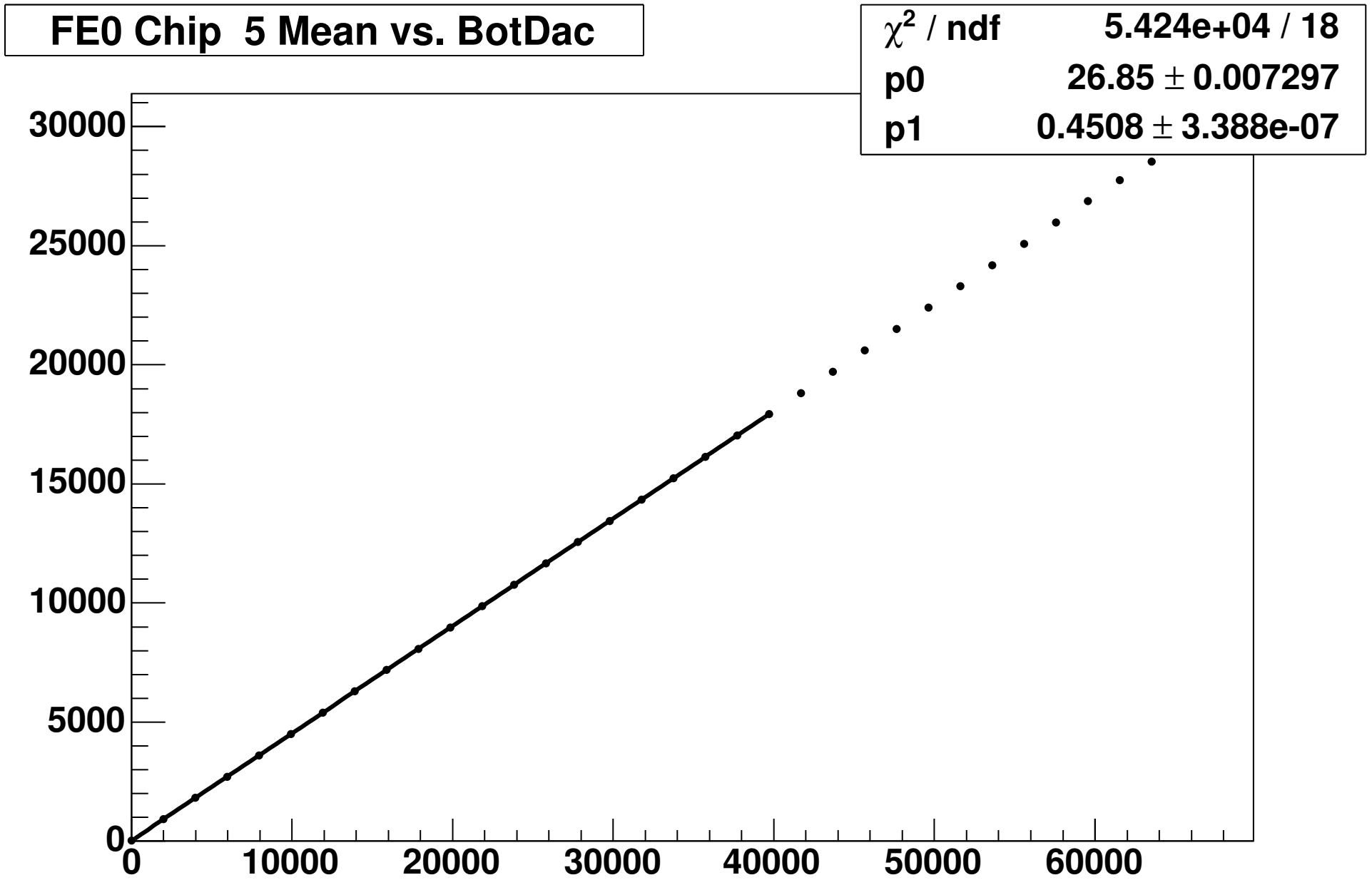

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 12.54 / 18
p0 1.515 ± 0.003897
p1 3.206e-06 ± 2.466e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000

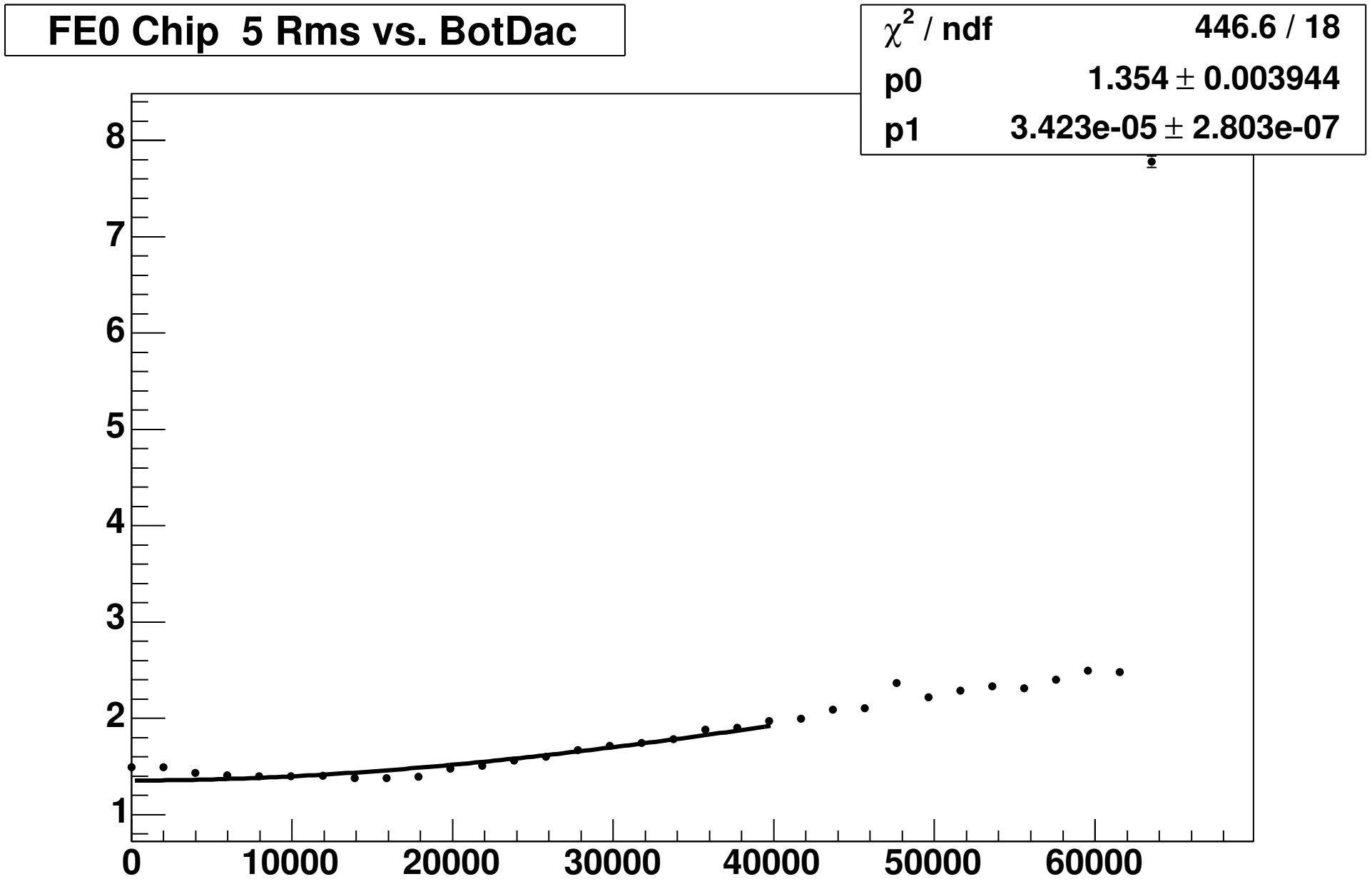

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 2.984e+04 / 18
p0 28.96 ± 0.007414
p1 0.4508 ± 3.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

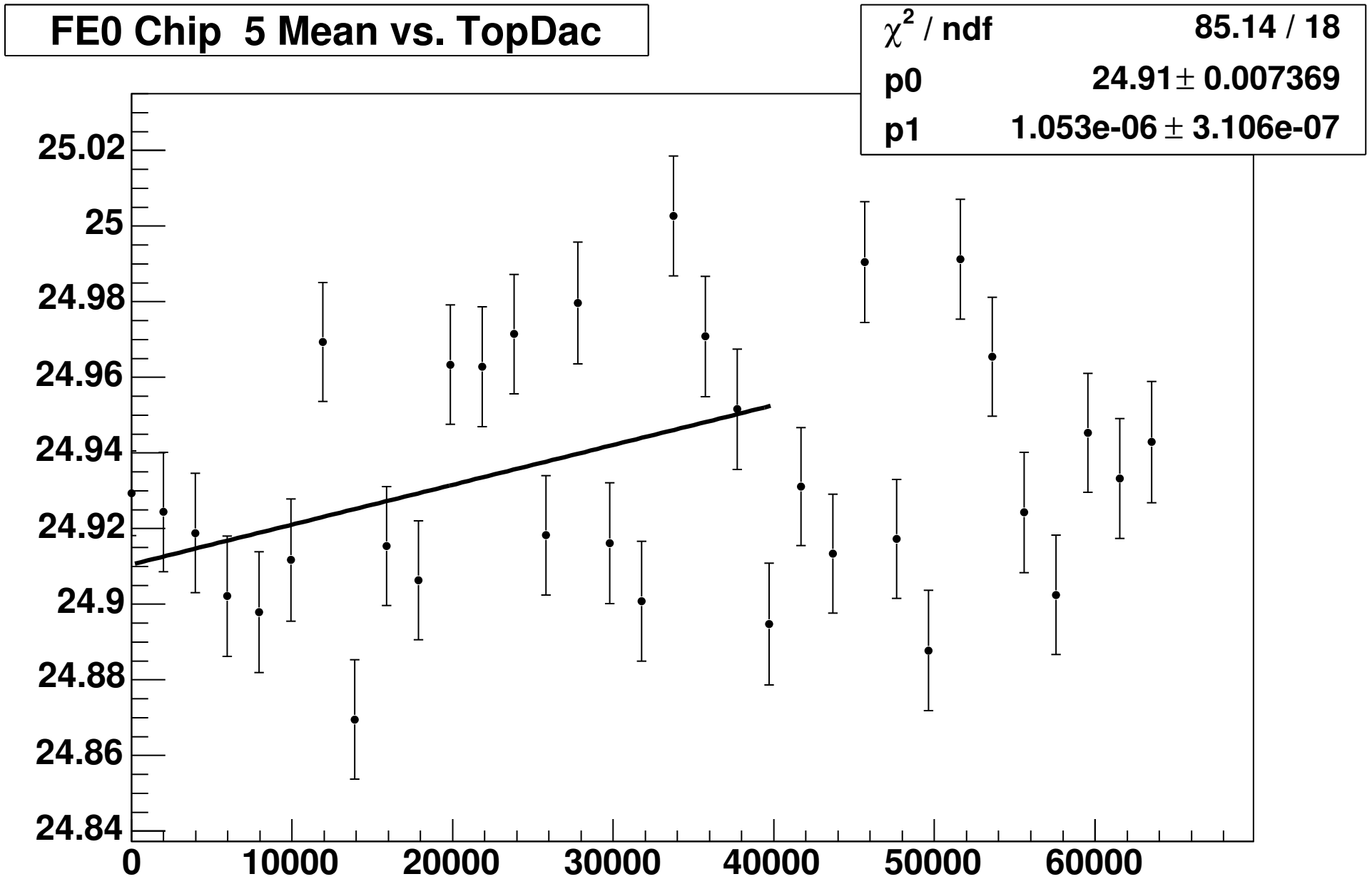

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 596.6 / 18
p0 1.373 ± 0.004001
p1 3.469e-05 ± 2.846e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

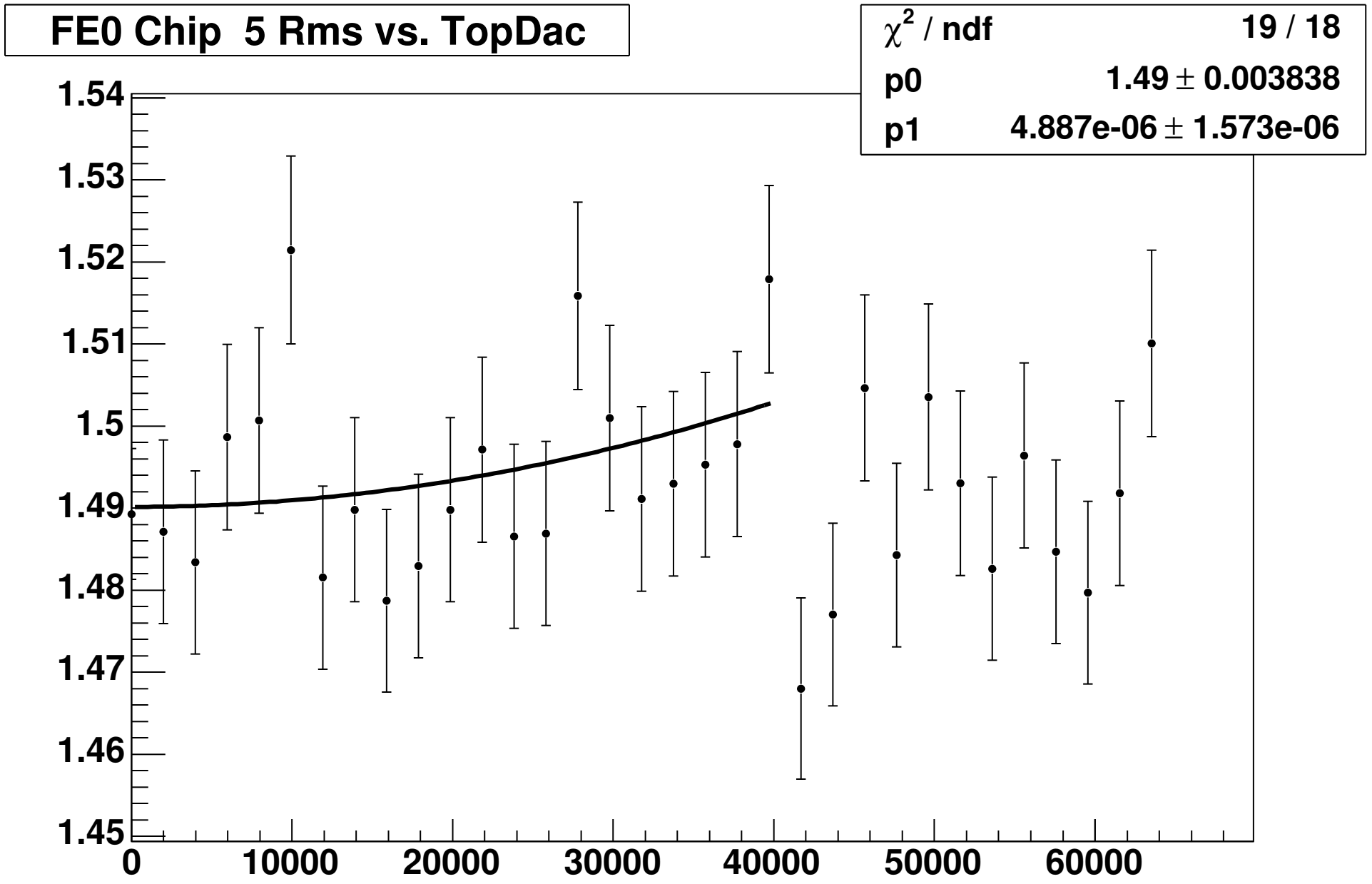

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 98.04 / 18
p0 27.24 ± 0.007357
p1 6.071e-07 ± 3.099e-07
27.36
27.34
27.32
27.3
27.28
27.26
27.24
27.22
27.2
27.18
0
10000
20000
30000
40000
50000
60000

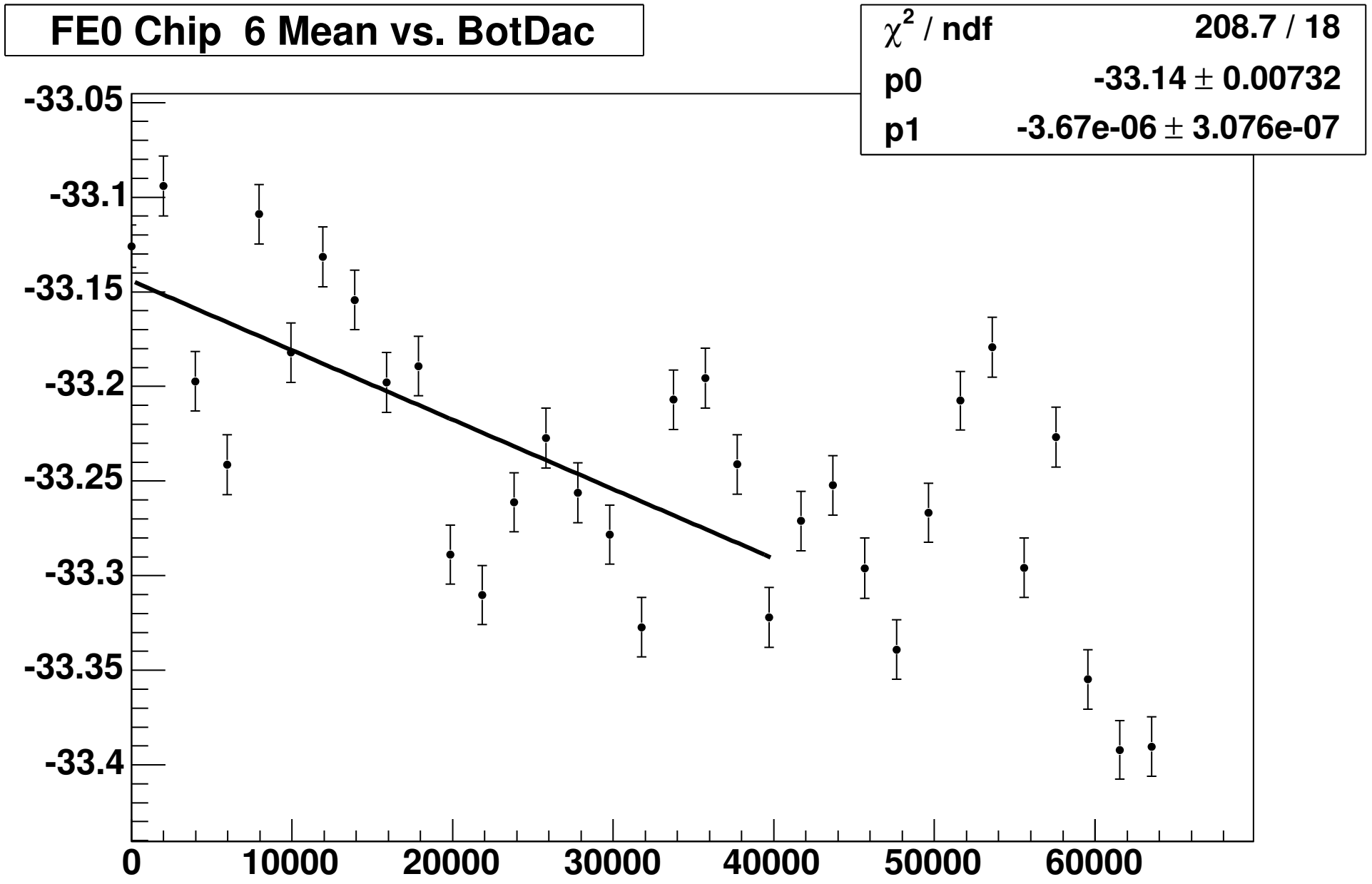

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 23.6 / 18
p0 1.488 ± 0.003828
p1 4.154e-06 ± 1.84e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

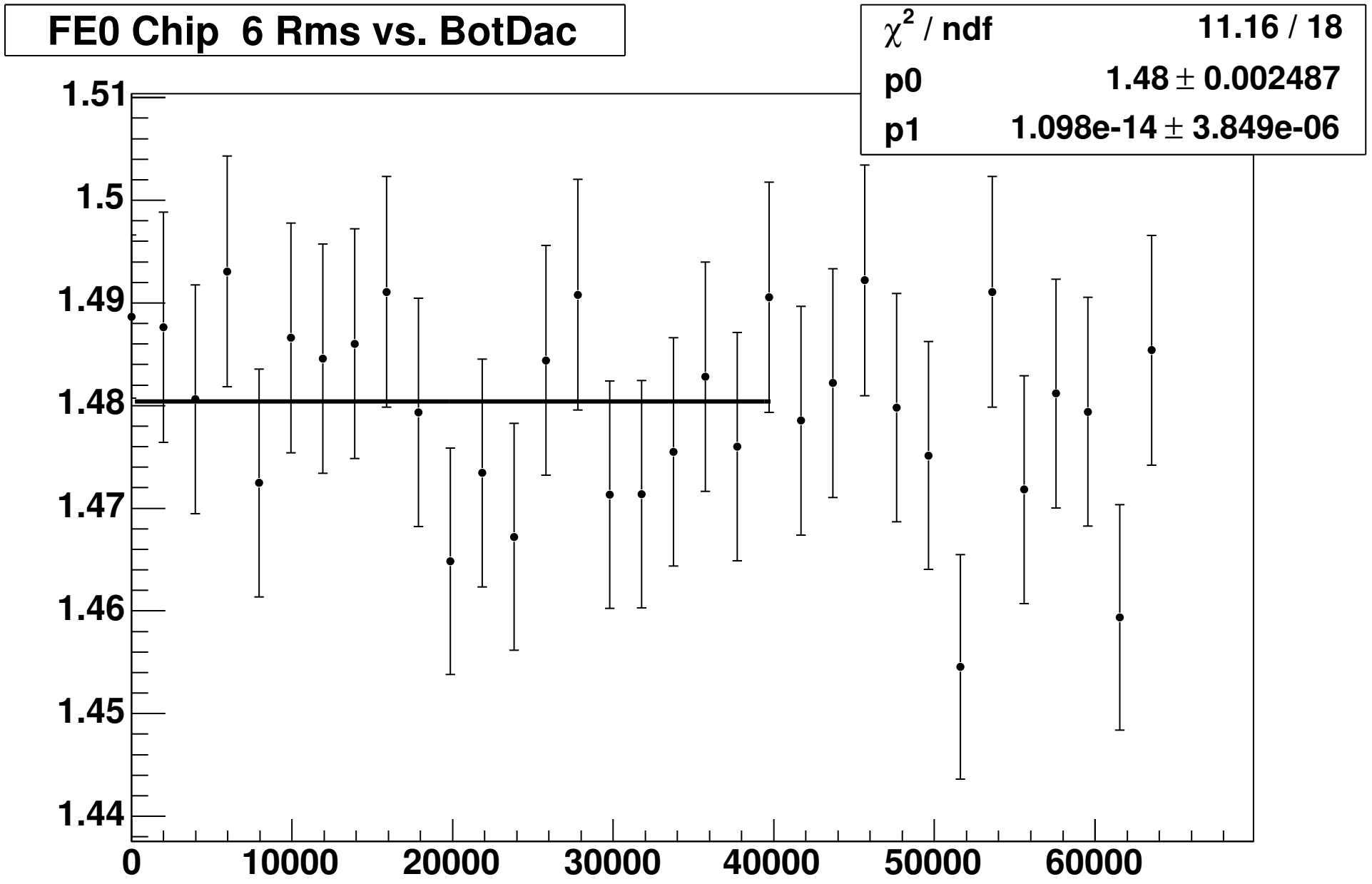

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 5.424e+04 / 18
p0 26.85 ± 0.007297
p1 0.4508 ± 3.388e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

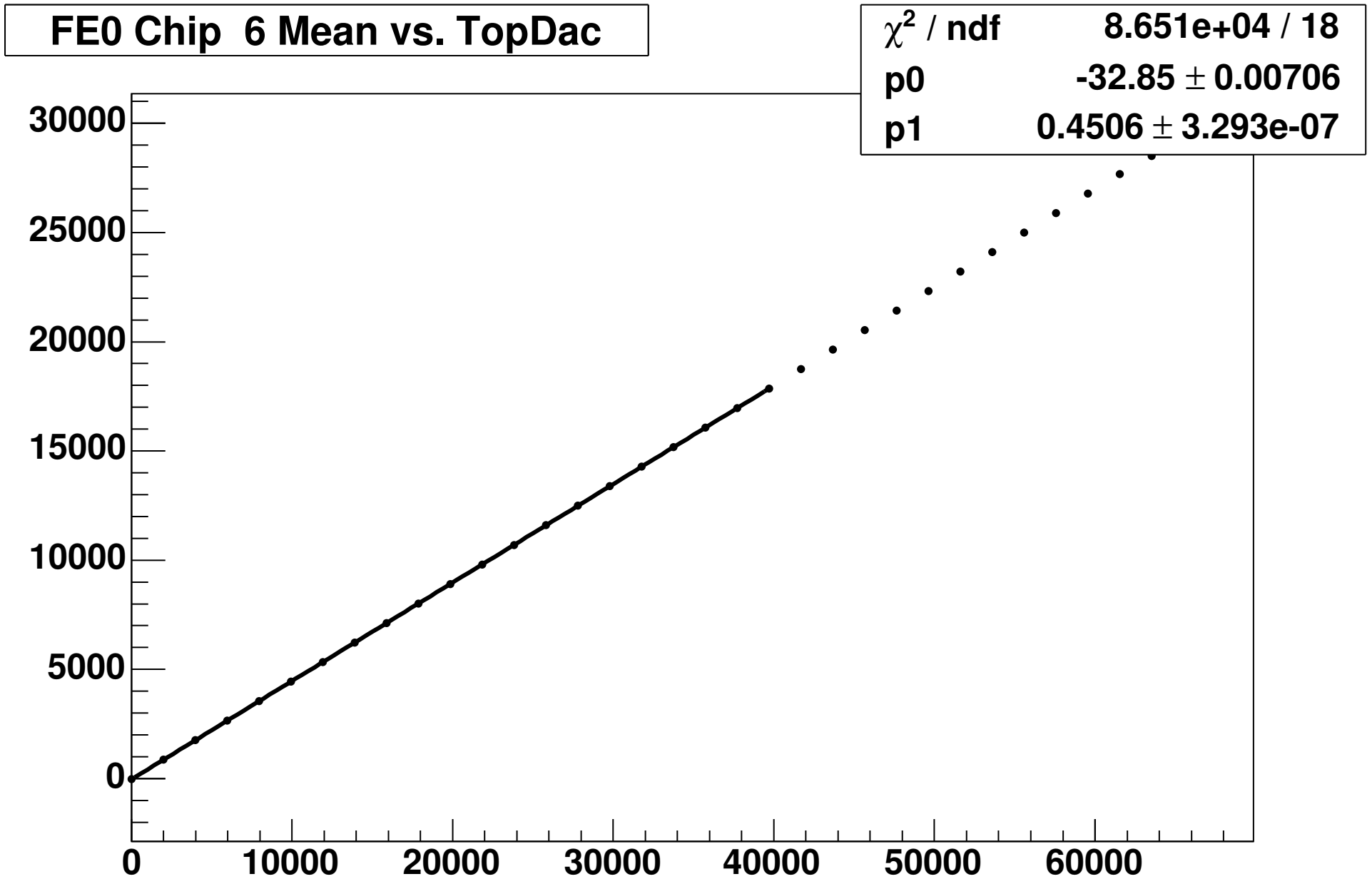

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 446.6 / 18
p0 1.354 ± 0.003944
p1 3.423e-05 ± 2.803e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

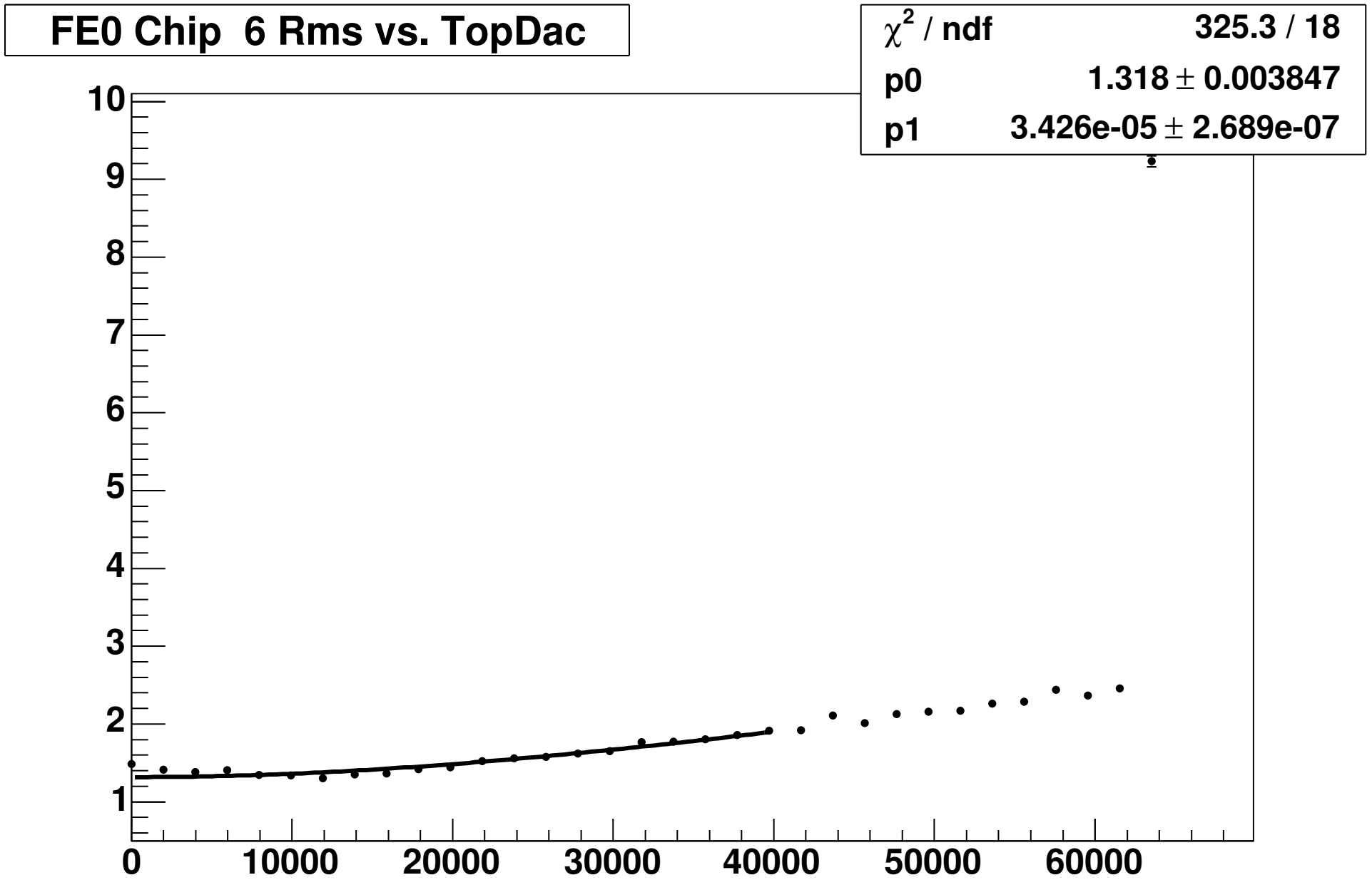

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 85.14 / 18
p0 24.91 ± 0.007369
p1 1.053e-06 ± 3.106e-07
25.02
25
24.98
24.96
24.94
24.92
24.9
24.88
24.86
24.84
0
10000
20000
30000
40000
50000
60000

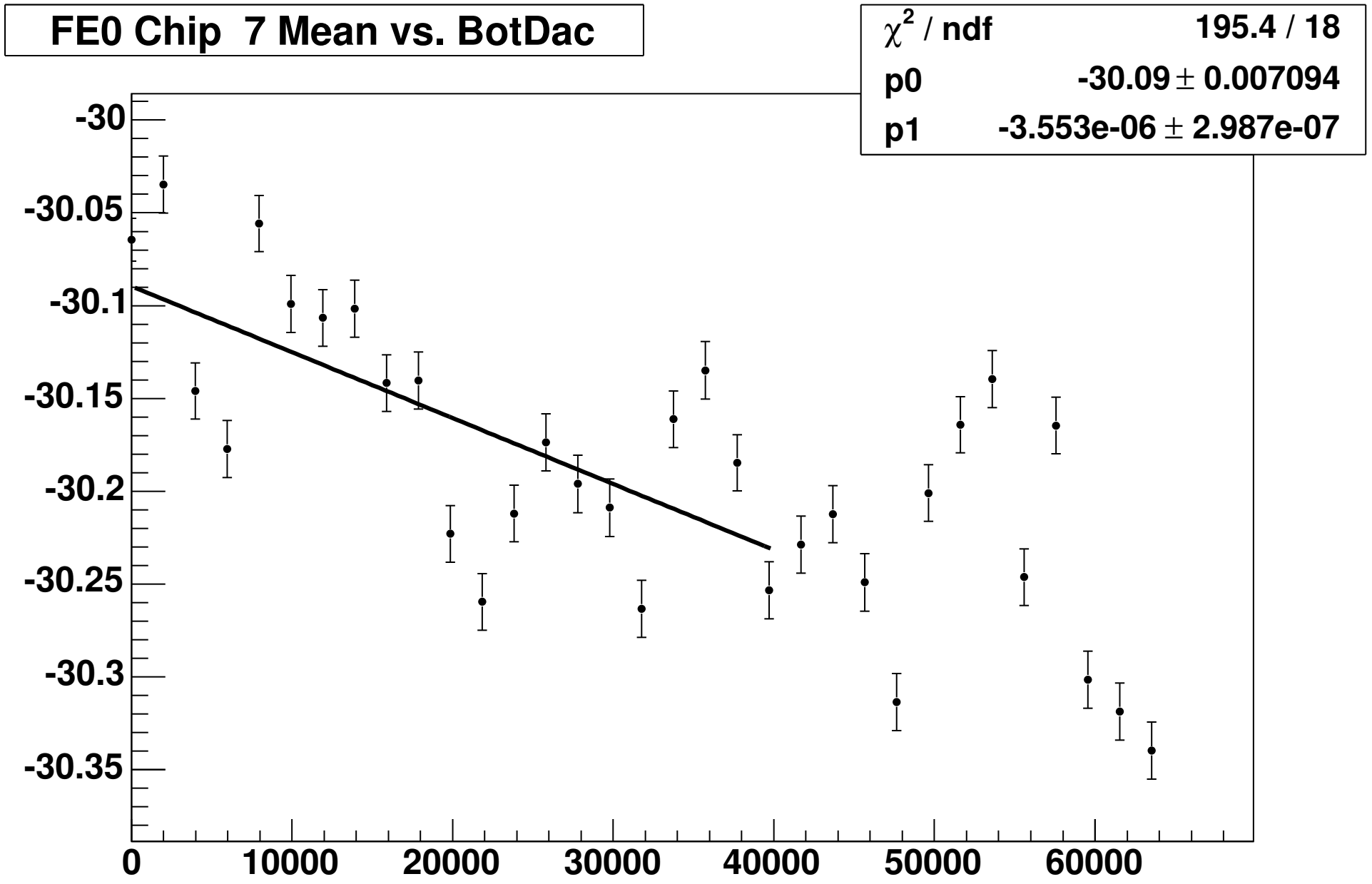

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 19 / 18
p0 1.49 ± 0.003838
p1 4.887e-06 ± 1.573e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

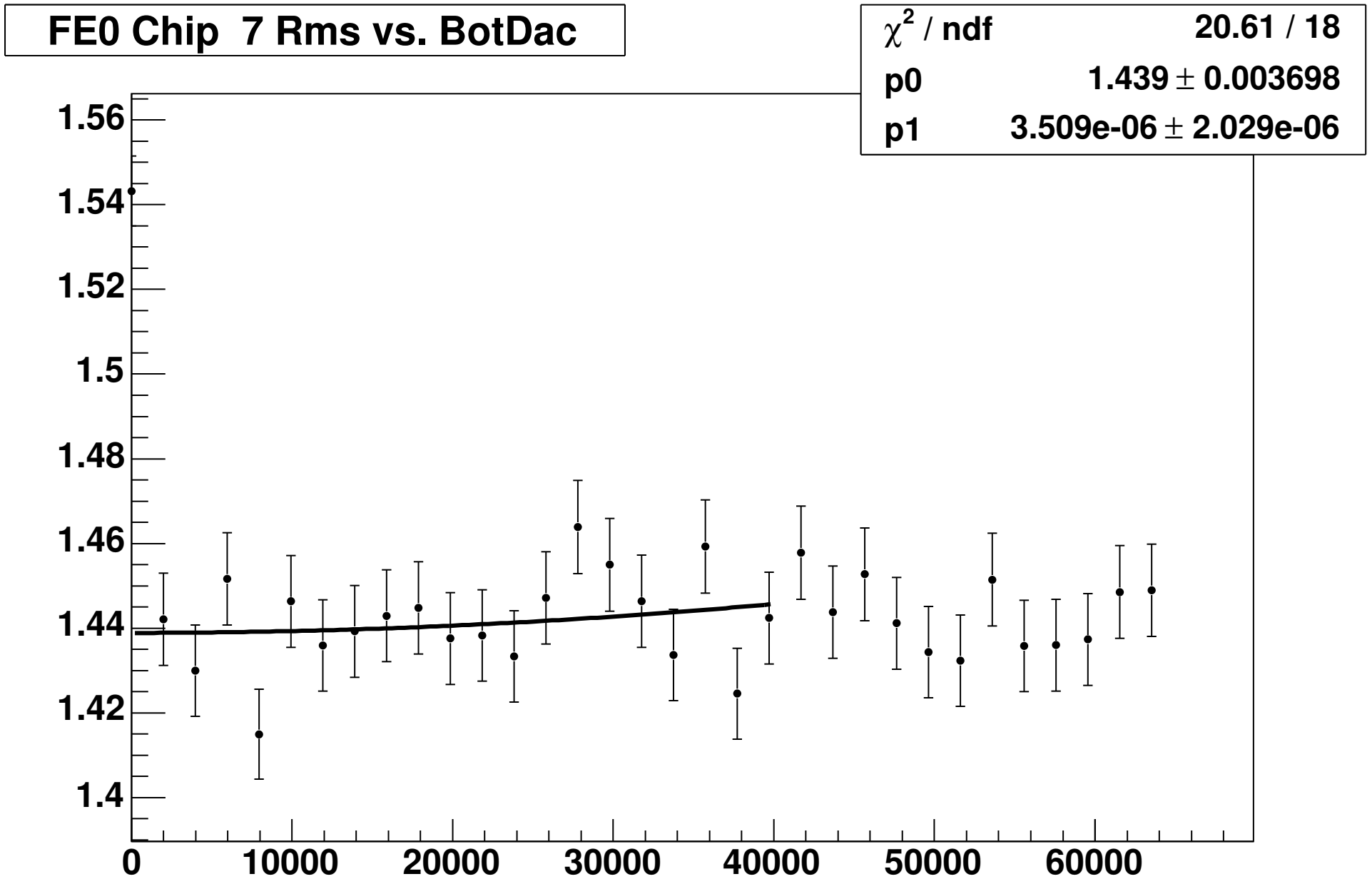

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 208.7 / 18
p0 -33.14 ± 0.00732
p1 -3.67e-06 ± 3.076e-07
-33.05
-33.1
-33.15
-33.2
-33.25
-33.3
-33.35
-33.4
0
10000
20000
30000
40000
50000
60000

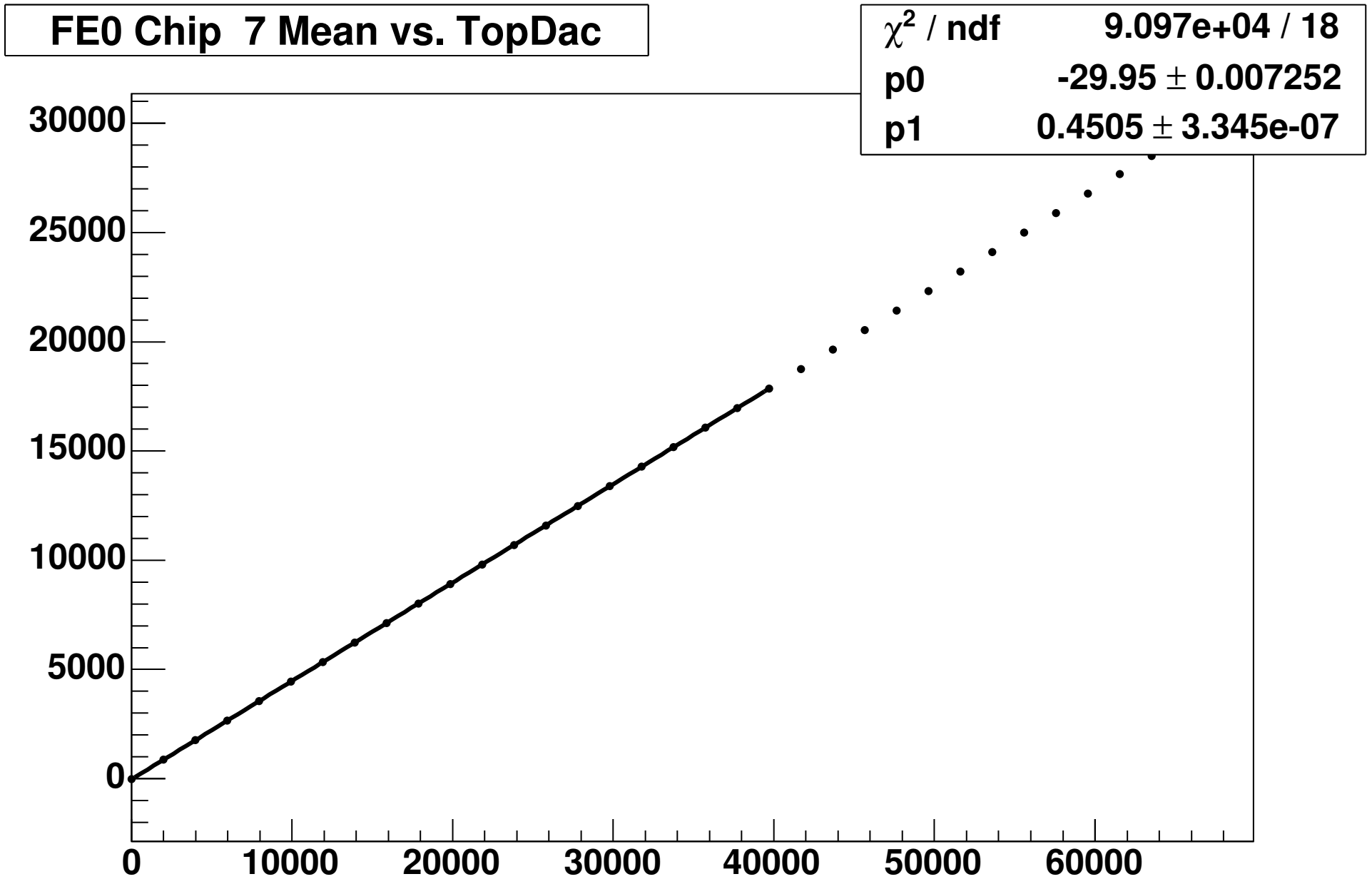

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 11.16 / 18
p0 1.48 ± 0.002487
p1 1.098e-14 ± 3.849e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

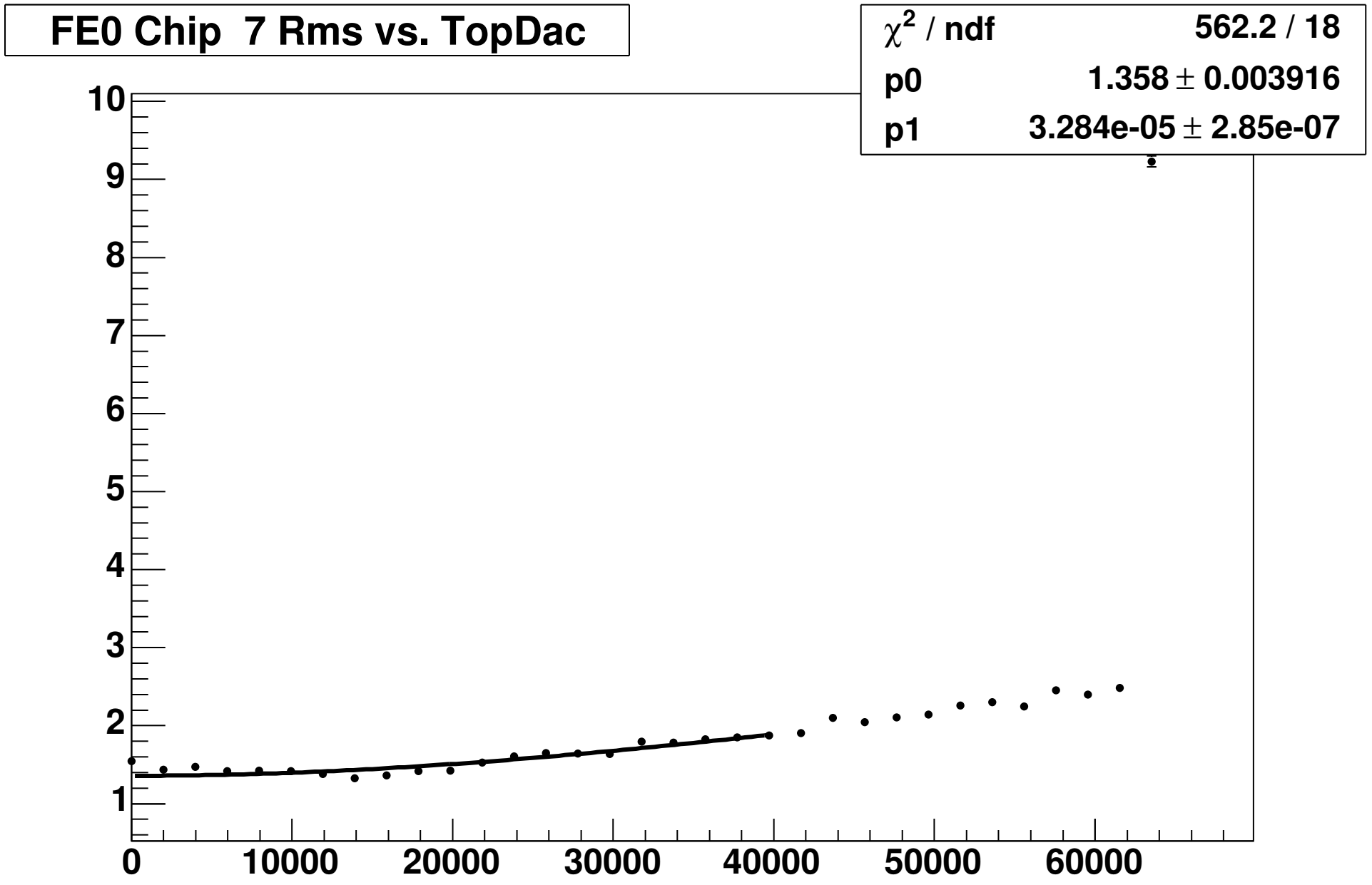

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 8.651e+04 / 18
p0 -32.85 ± 0.00706
p1 0.4506 ± 3.293e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

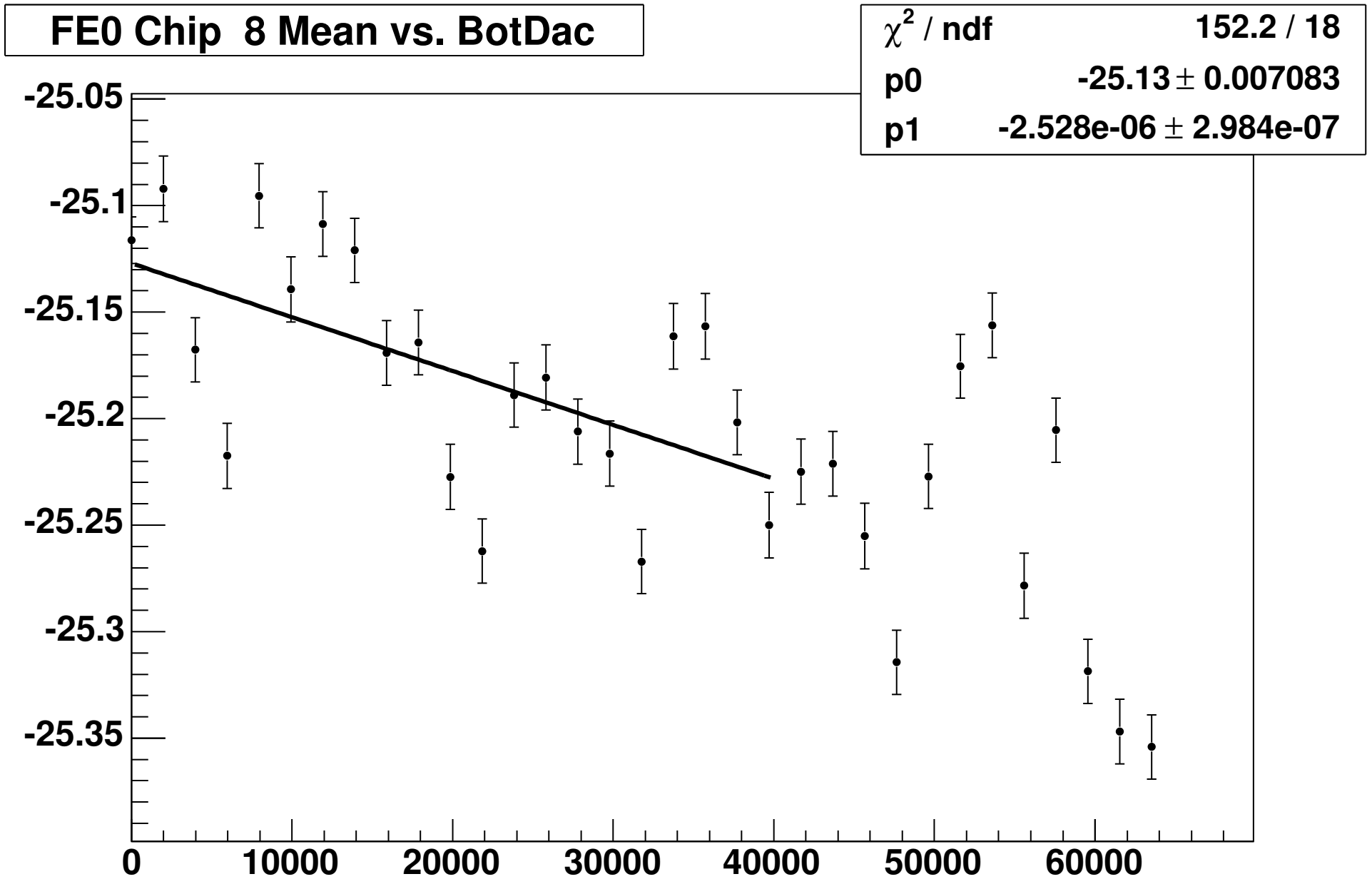

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 325.3 / 18
p0 1.318 ± 0.003847
p1 3.426e-05 ± 2.689e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

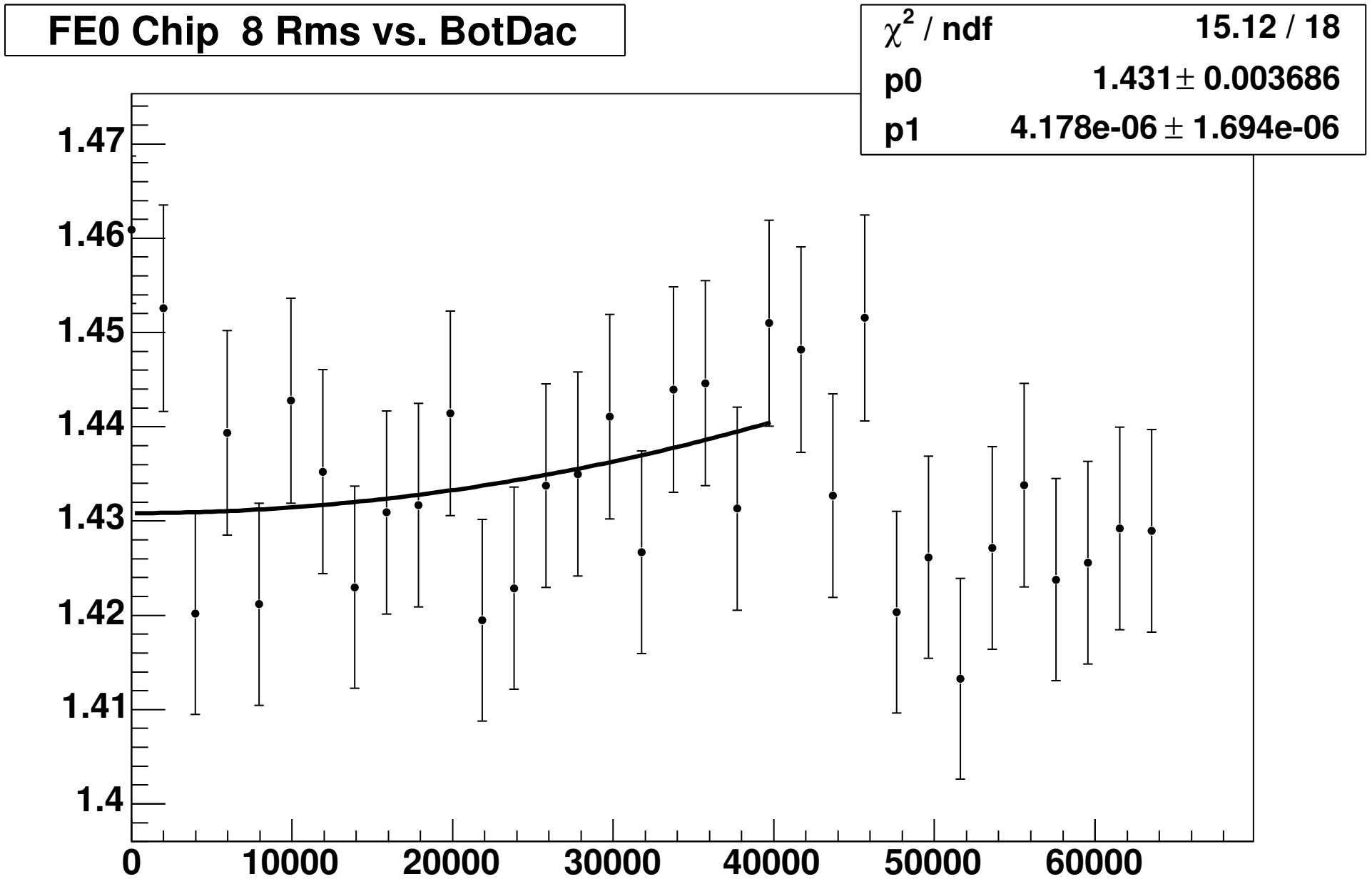

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 195.4 / 18
p0 -30.09 ± 0.007094
p1 -3.553e-06 ± 2.987e-07
-30
-30.05
-30.1
-30.15
-30.2
-30.25
-30.3
-30.35
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 20.61 / 18
p0 1.439 ± 0.003698
p1 3.509e-06 ± 2.029e-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
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 9.097e+04 / 18
p0 -29.95 ± 0.007252
p1 0.4505 ± 3.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 562.2 / 18
p0 1.358 ± 0.003916
p1 3.284e-05 ± 2.85e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 152.2 / 18
p0 -25.13 ± 0.007083
p1 -2.528e-06 ± 2.984e-07
-25.05
-25.1
-25.15
-25.2
-25.25
-25.3
-25.35
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 15.12 / 18
p0 1.431 ± 0.003686
p1 4.178e-06 ± 1.694e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
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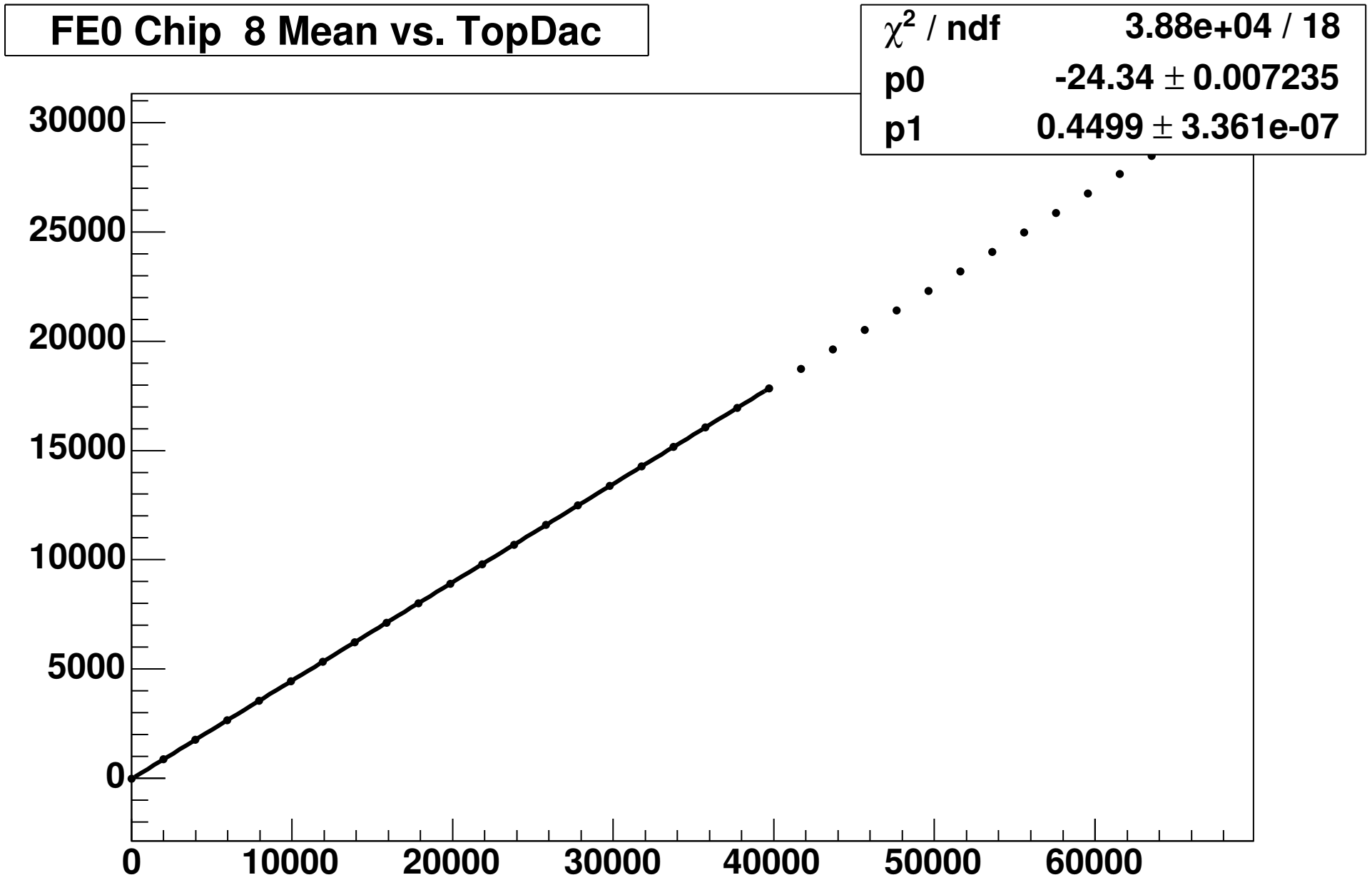
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 3.88e+04 / 18
p0 -24.34 ± 0.007235
p1 0.4499 ± 3.361e-07
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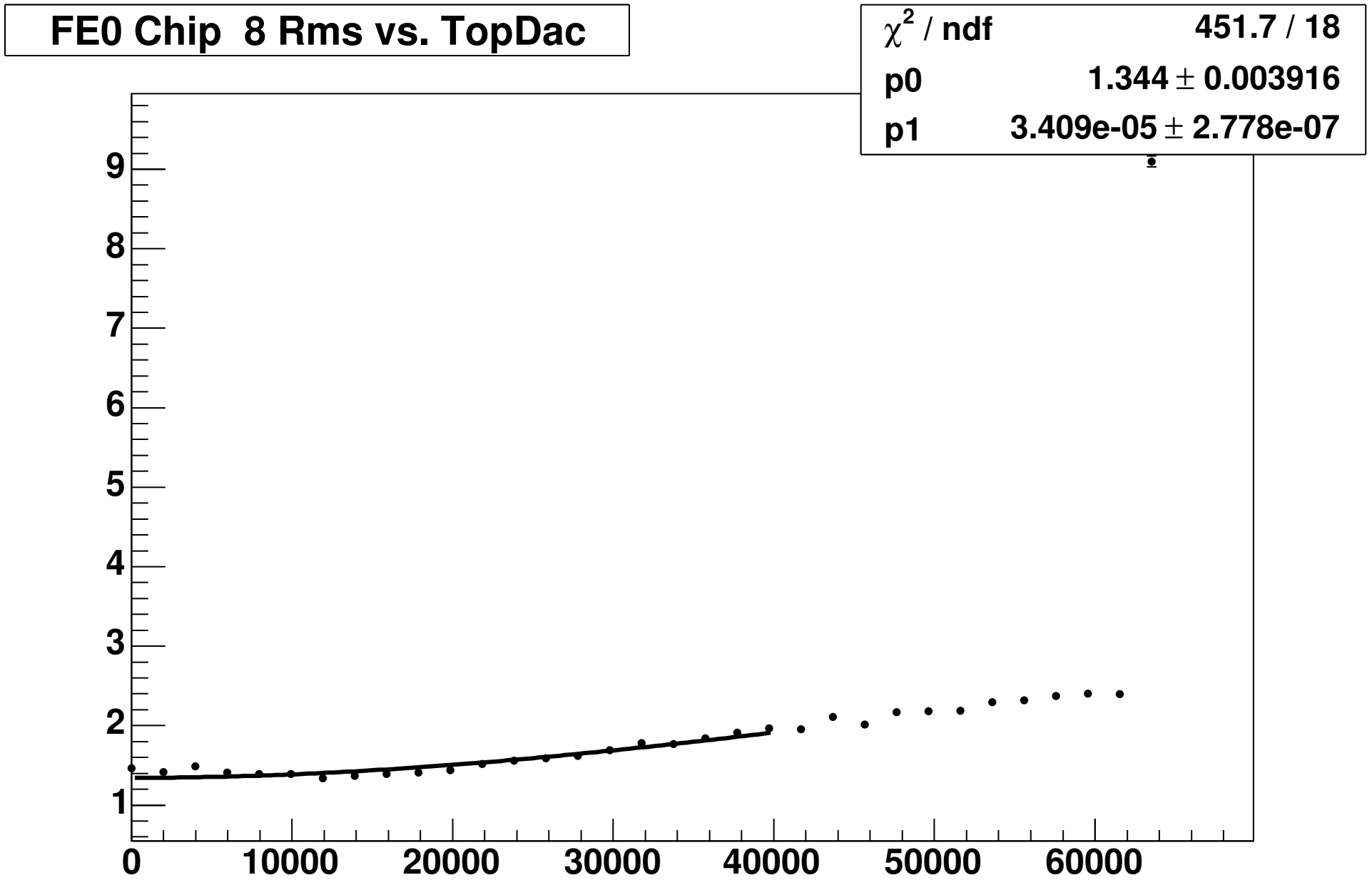
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 451.7 / 18
p0 1.344 ± 0.003916
p1 3.409e-05 ± 2.778e-07
9
8
7
6
5
4
3
2
1
0
10000
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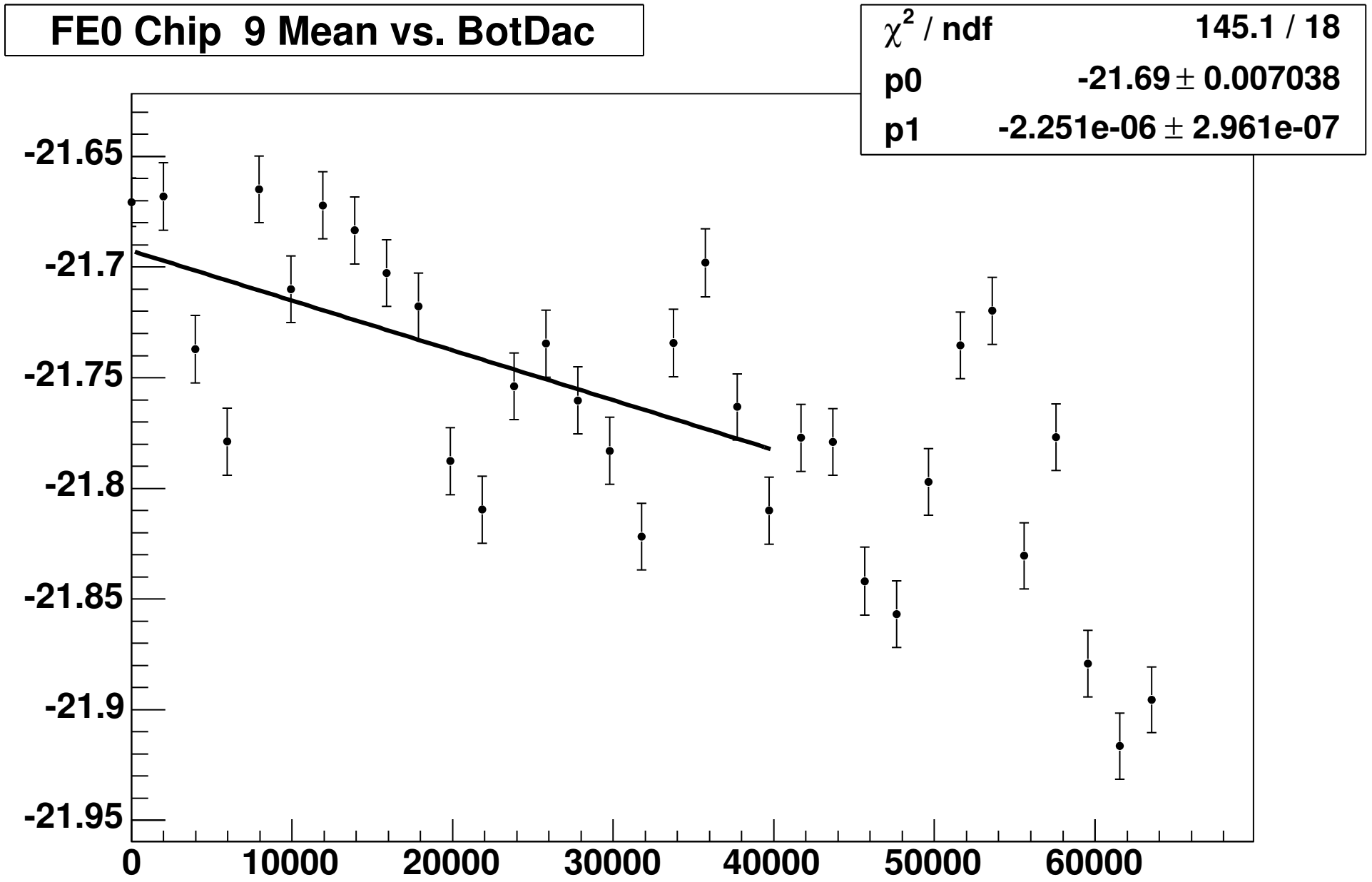
30000
40000
50000
60000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 145.1 / 18
p0 -21.69 ± 0.007038
p1 -2.251e-06 ± 2.961e-07
-21.65
-21.7
-21.75
-21.8
-21.85
-21.9
-21.95
0
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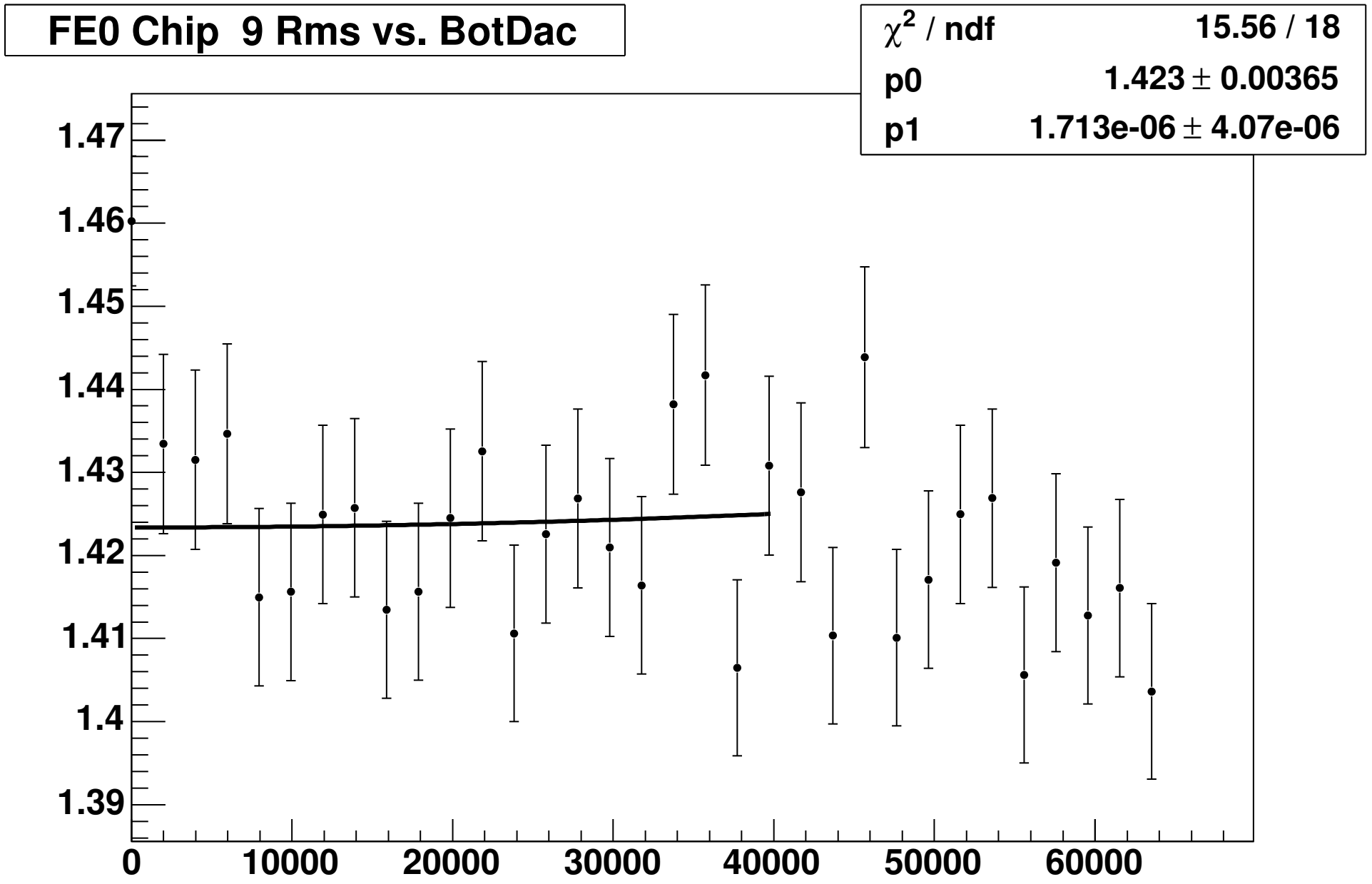
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 15.56 / 18
p0 1.423 ± 0.00365
p1 1.713e-06 ± 4.07e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
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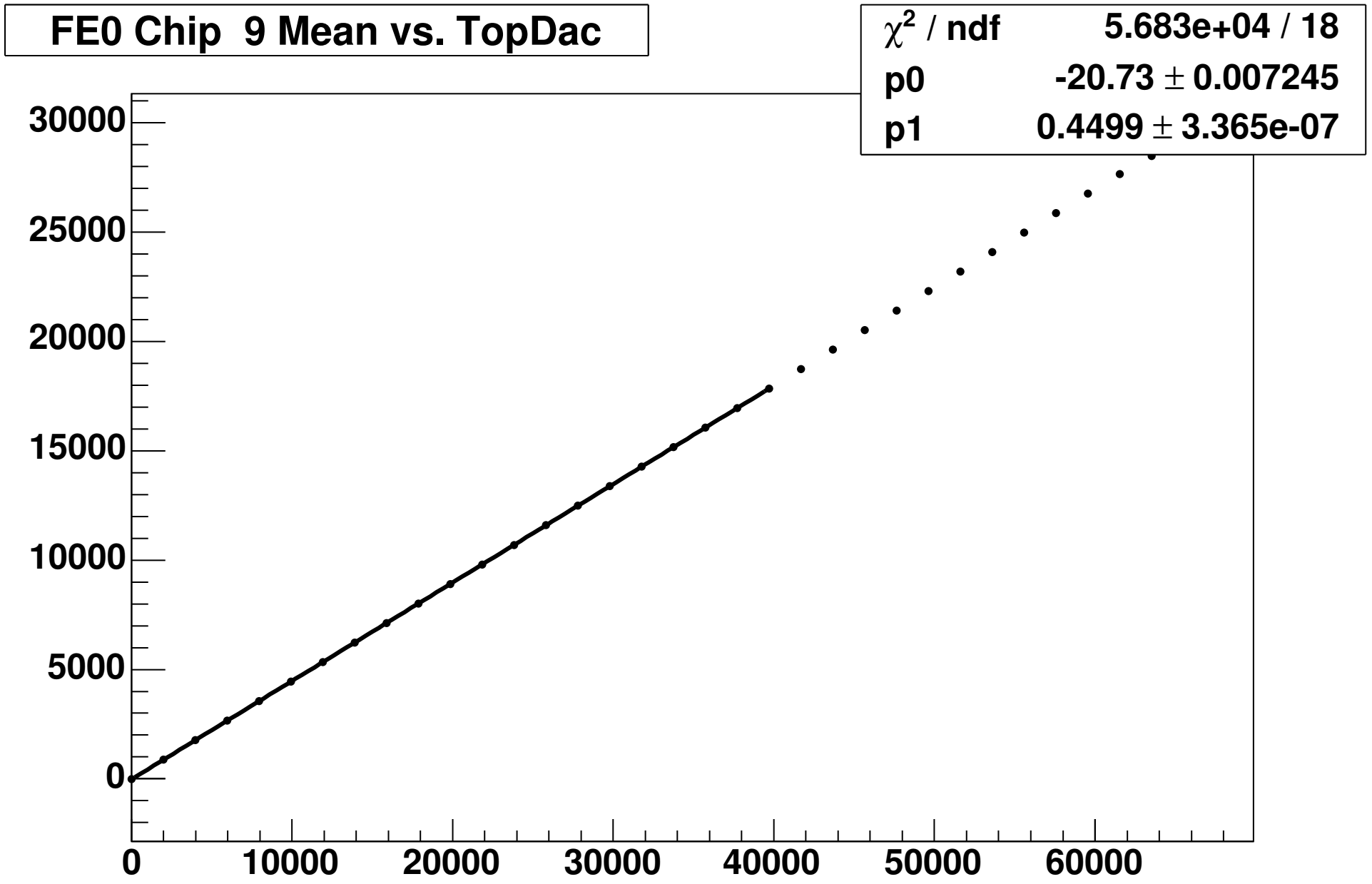
30000
40000
50000
60000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 5.683e+04 / 18
p0 -20.73 ± 0.007245
p1 0.4499 ± 3.365e-07
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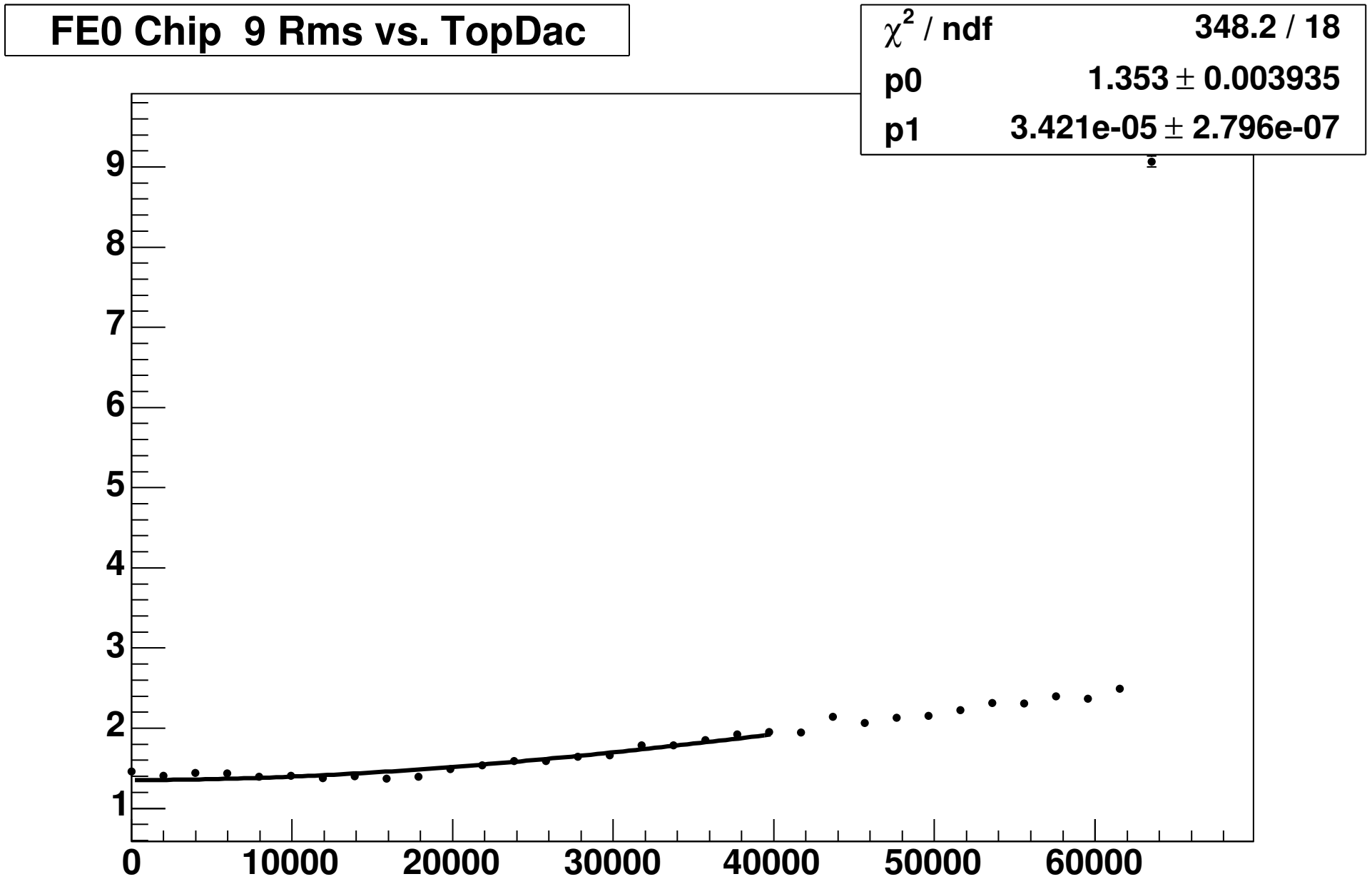
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 348.2 / 18
p0 1.353 ± 0.003935
p1 3.421e-05 ± 2.796e-07
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8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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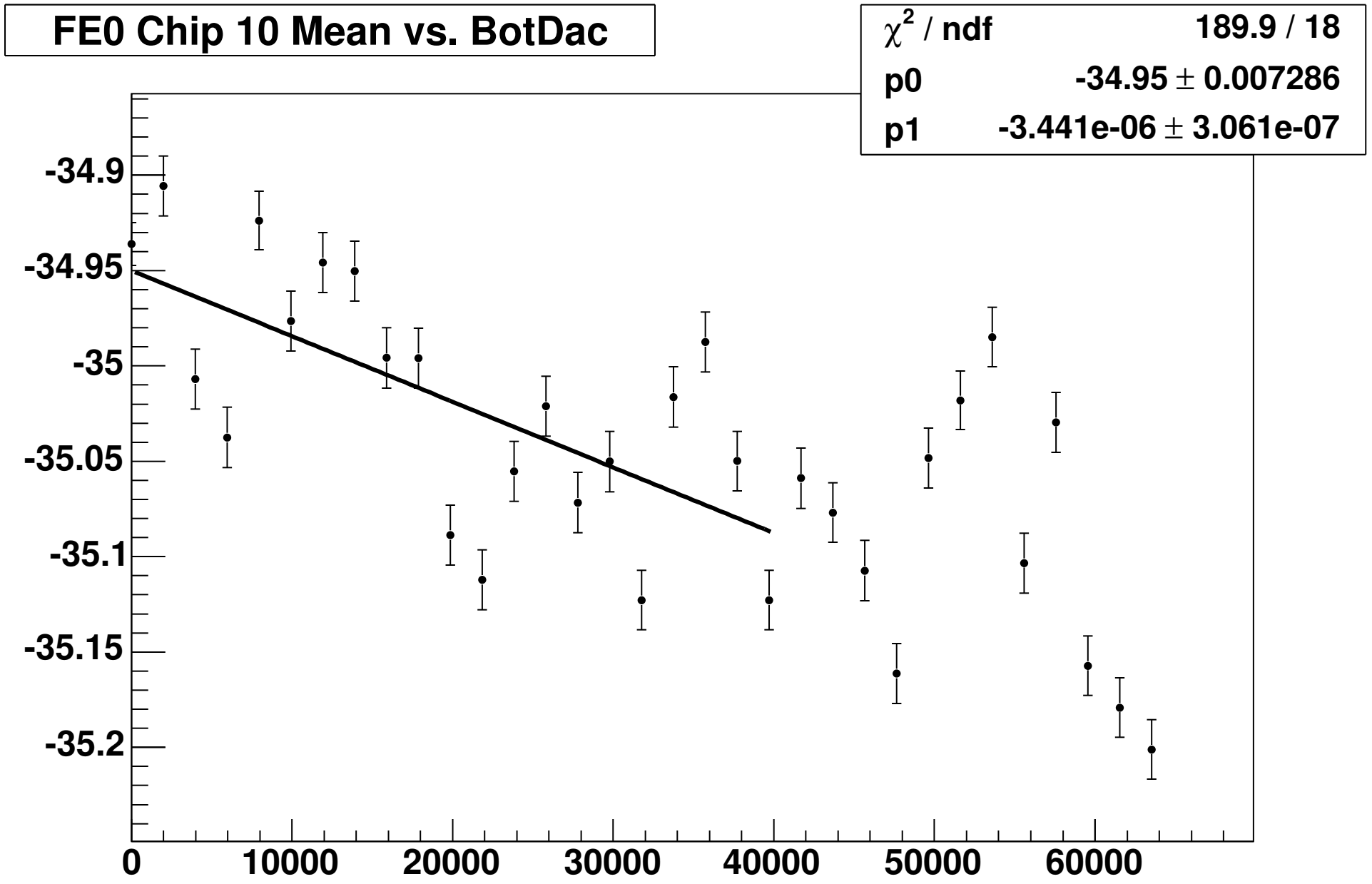
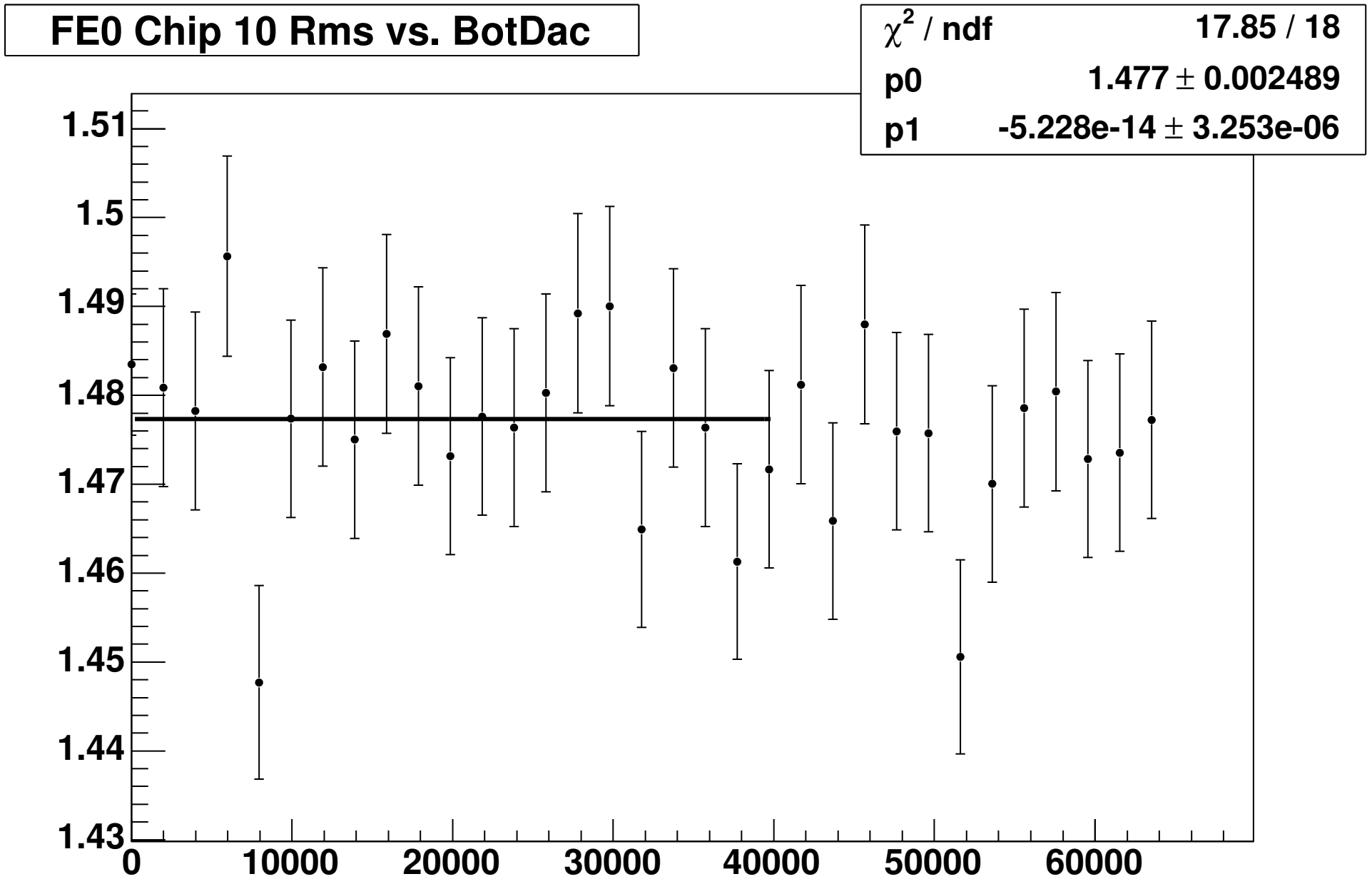
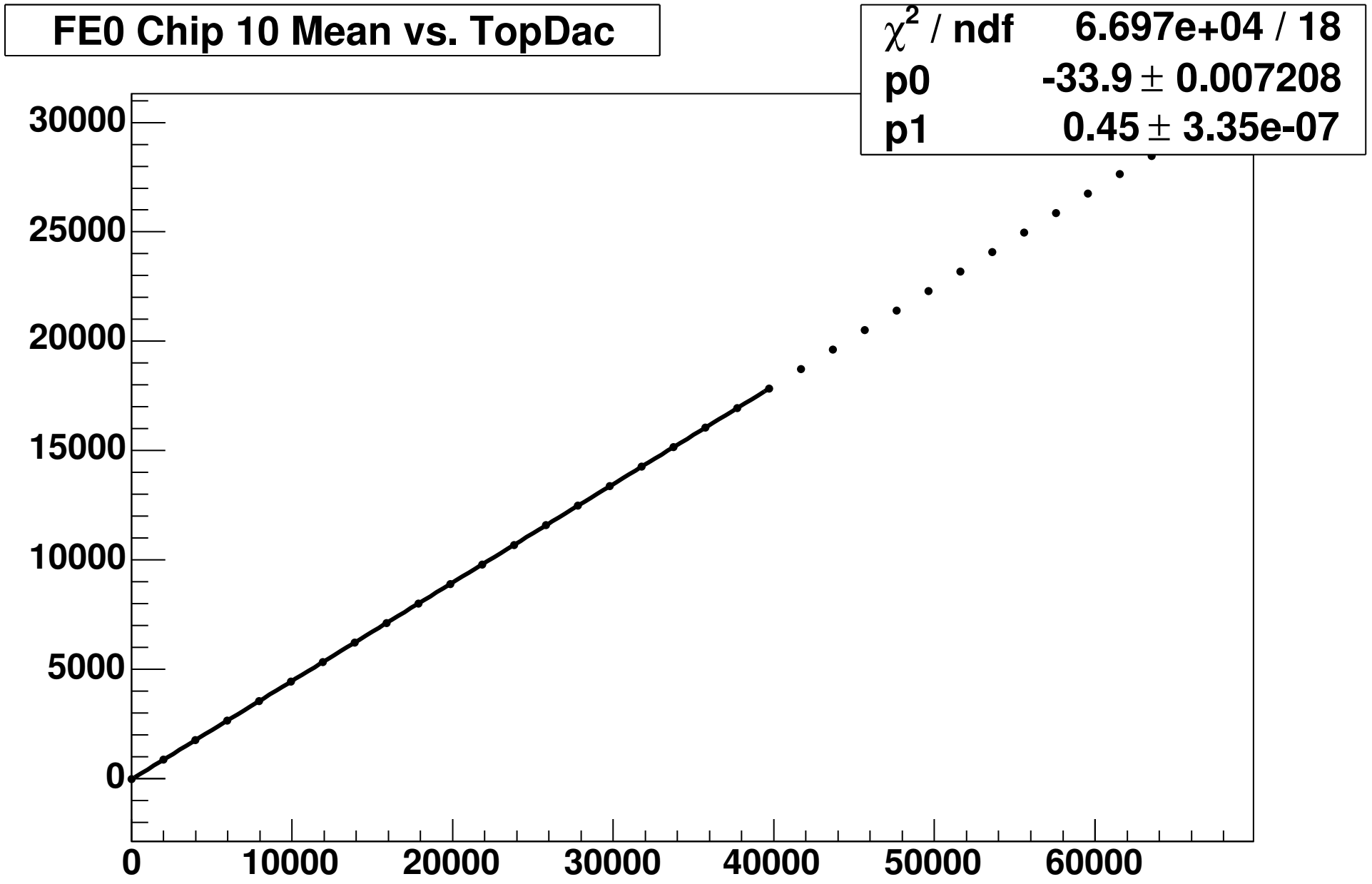

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 189.9 / 18
p0 -34.95 ± 0.007286
p1 -3.441e-06 ± 3.061e-07
-34.9
-34.95
-35
-35.05
-35.1
-35.15
-35.2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 17.85 / 18
p0 1.477 ± 0.002489
p1 -5.228e-14 ± 3.253e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 6.697e+04 / 18
p0 -33.9 ± 0.007208
p1 0.45 ± 3.35e-07
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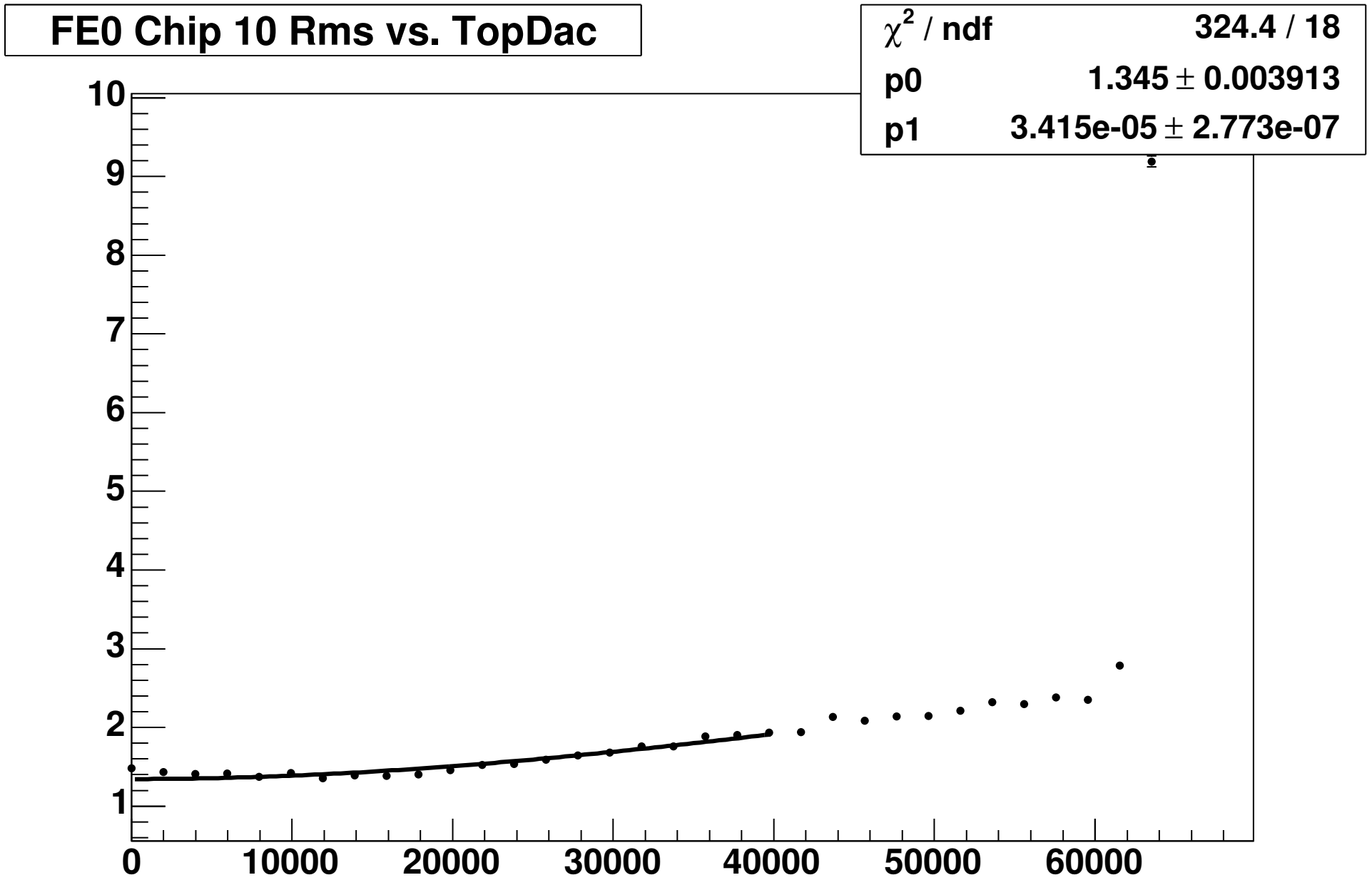
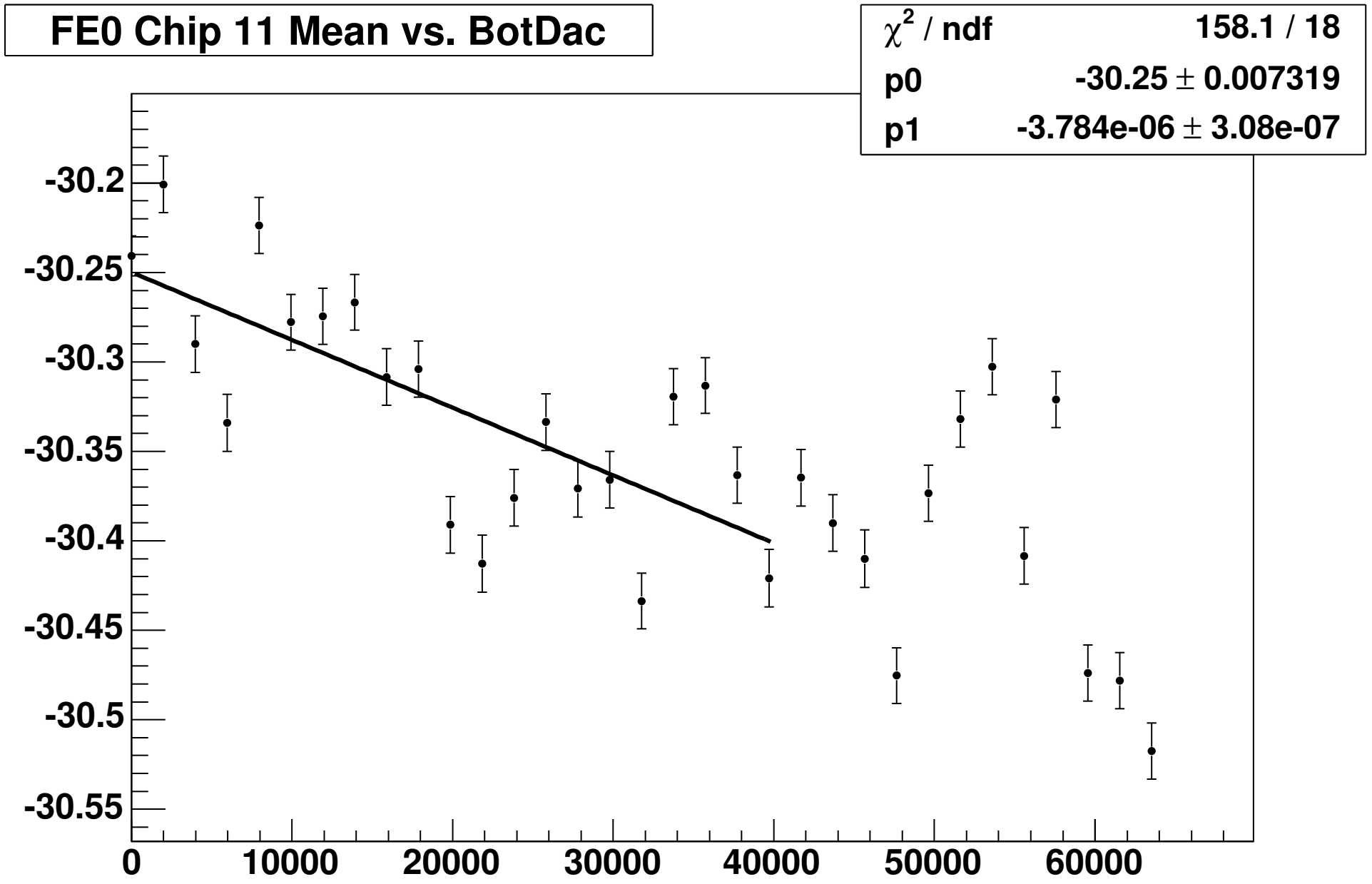
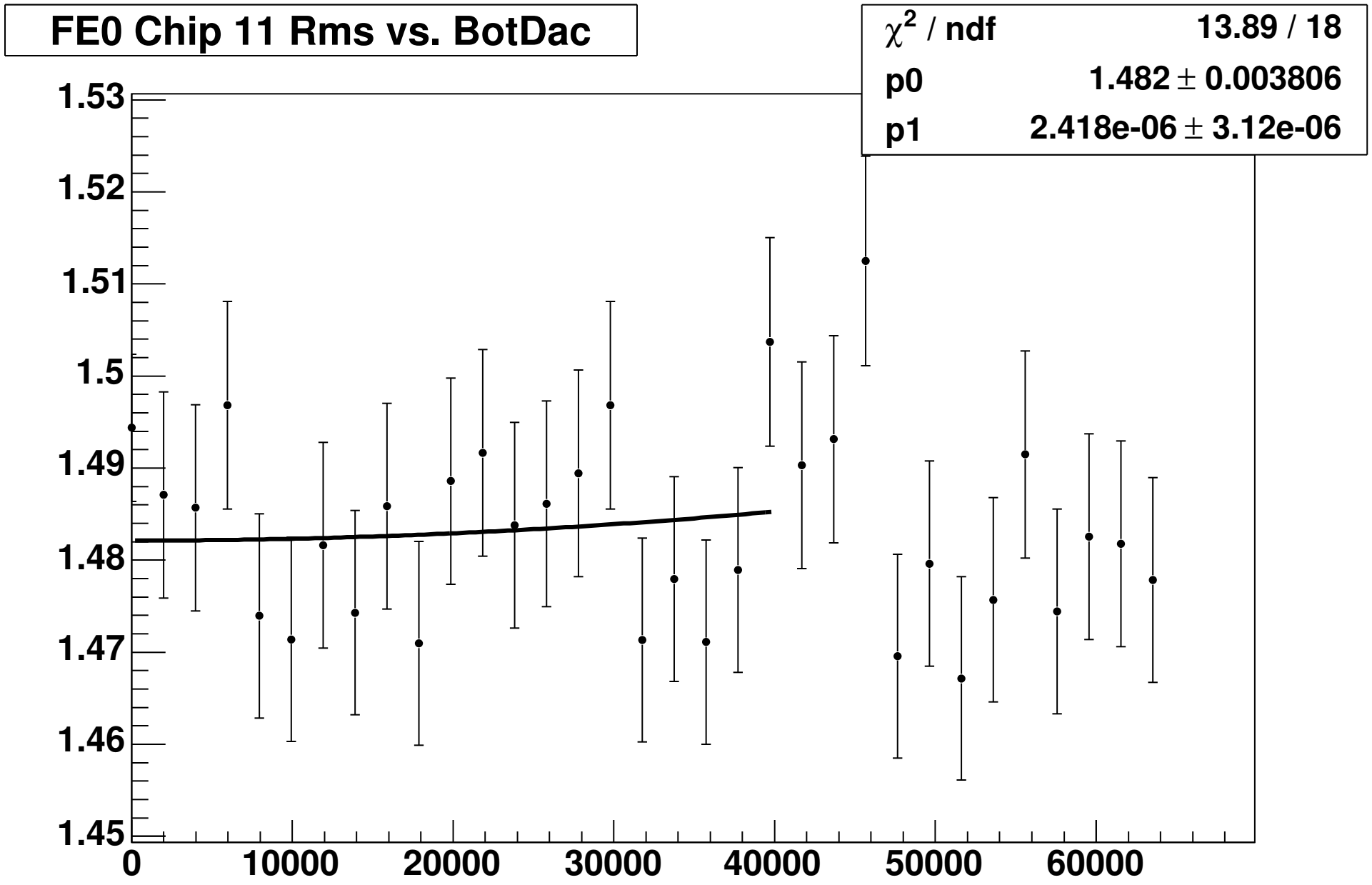
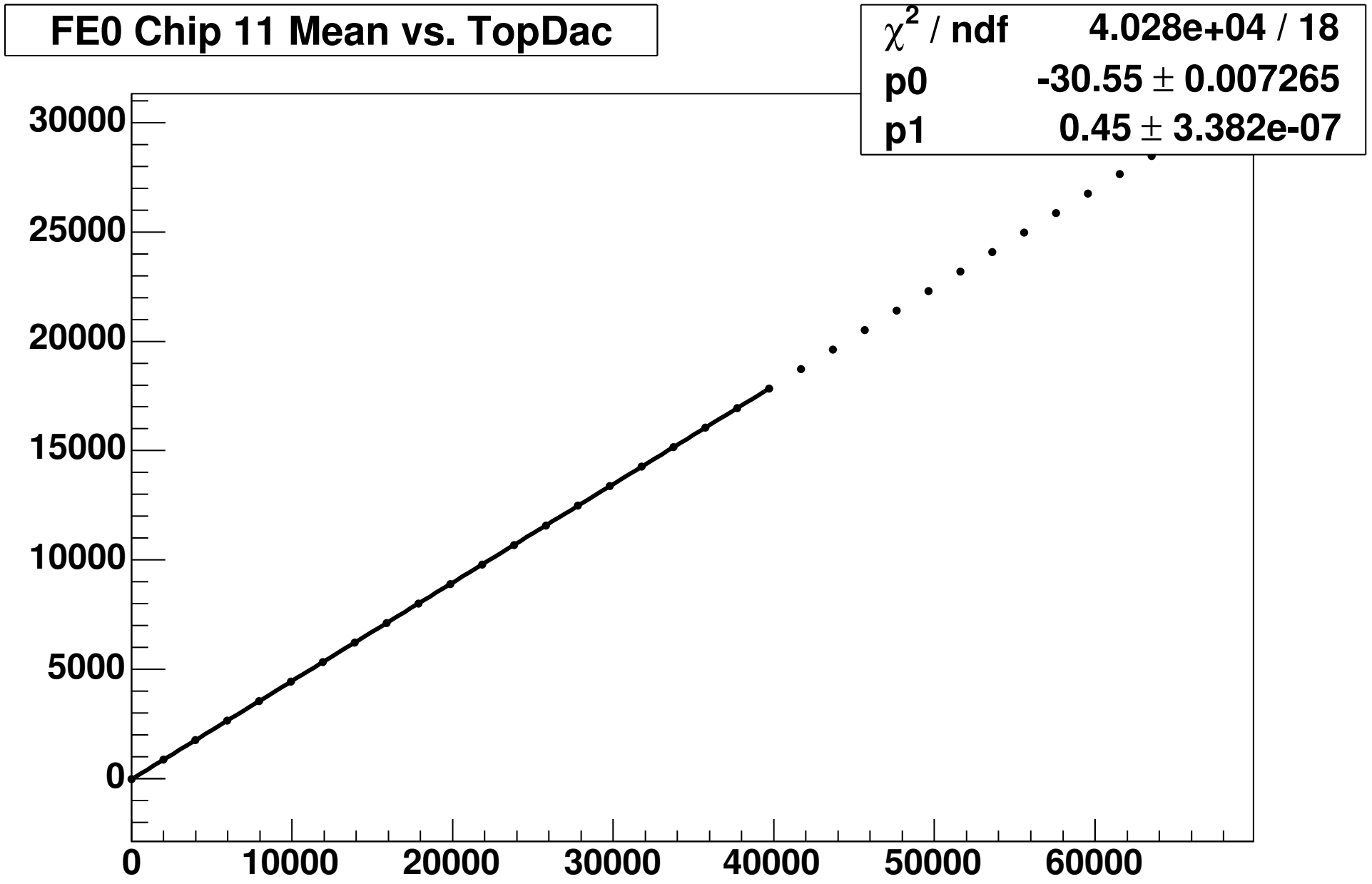
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 324.4 / 18
p0 1.345 ± 0.003913
p1 3.415e-05 ± 2.773e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 158.1 / 18
p0 -30.25 ± 0.007319
p1 -3.784e-06 ± 3.08e-07
-30.2
-30.25
-30.3
-30.35
-30.4
-30.45
-30.5
-30.55
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 13.89 / 18
p0 1.482 ± 0.003806
p1 2.418e-06 ± 3.12e-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


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 4.028e+04 / 18
p0 -30.55 ± 0.007265
p1 0.45 ± 3.382e-07
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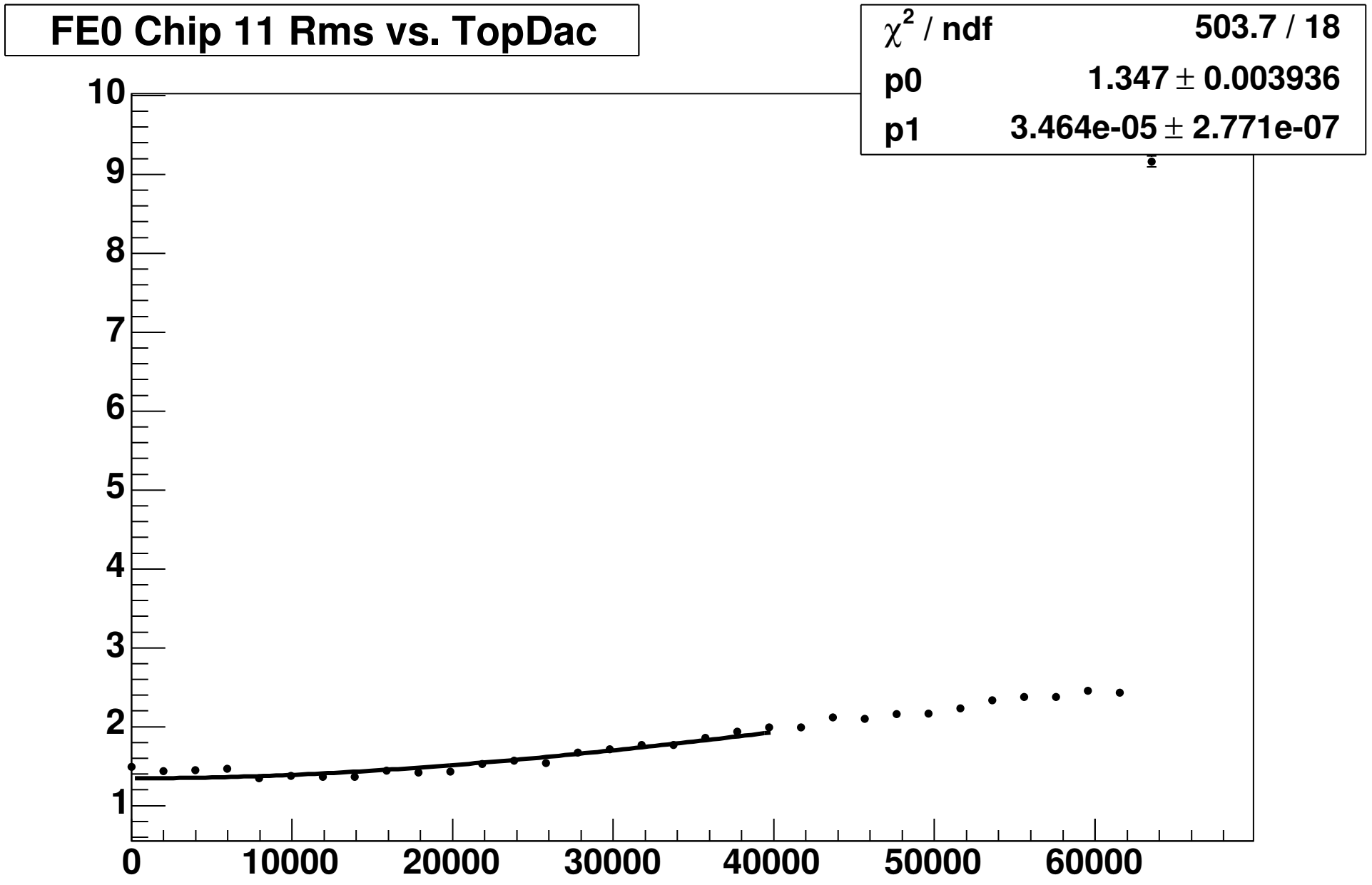
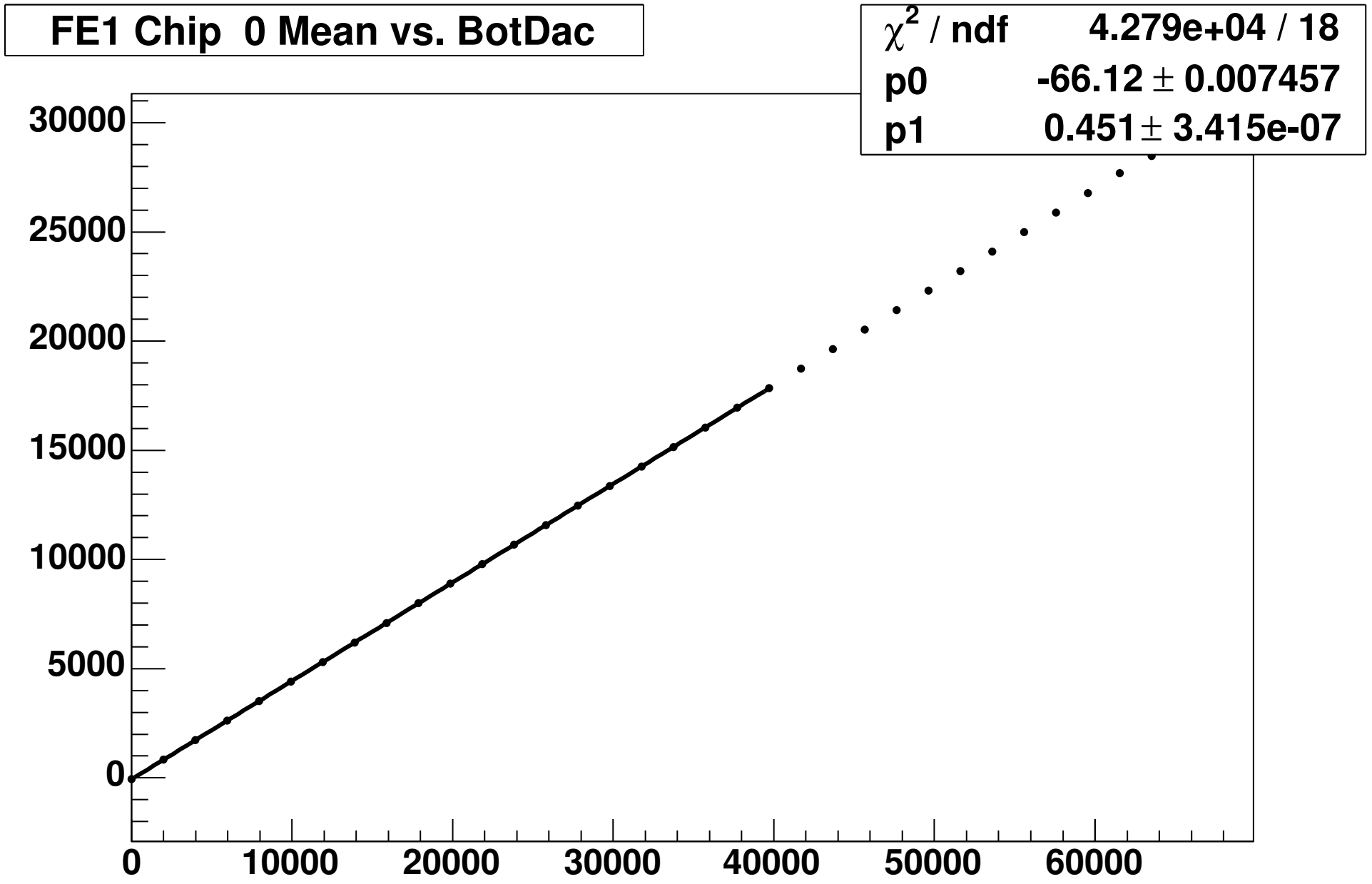
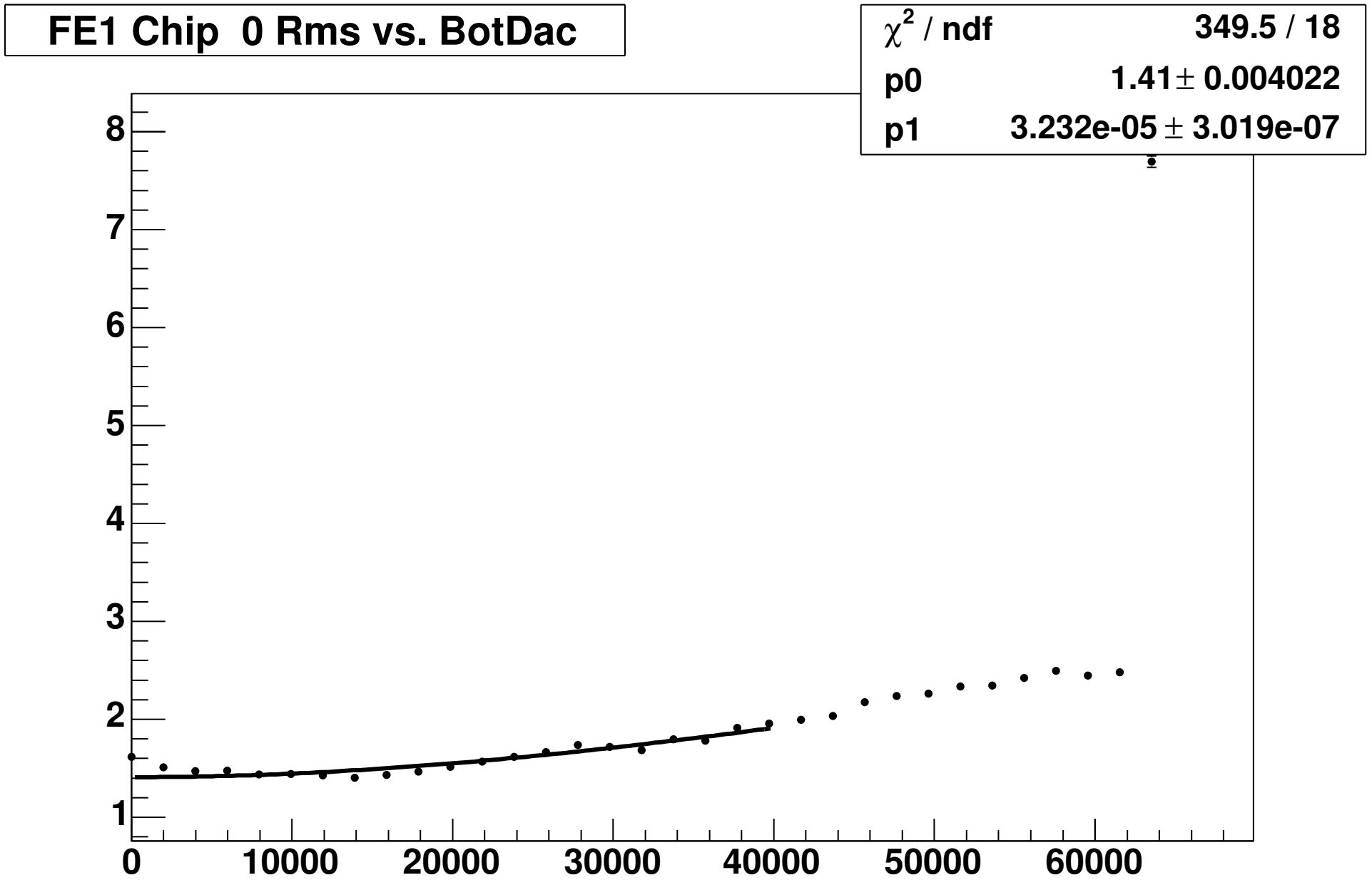
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 503.7 / 18
p0 1.347 ± 0.003936
p1 3.464e-05 ± 2.771e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 4.279e+04 / 18
p0 -66.12 ± 0.007457
p1 0.451 ± 3.415e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 349.5 / 18
p0 1.41 ± 0.004022
p1 3.232e-05 ± 3.019e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
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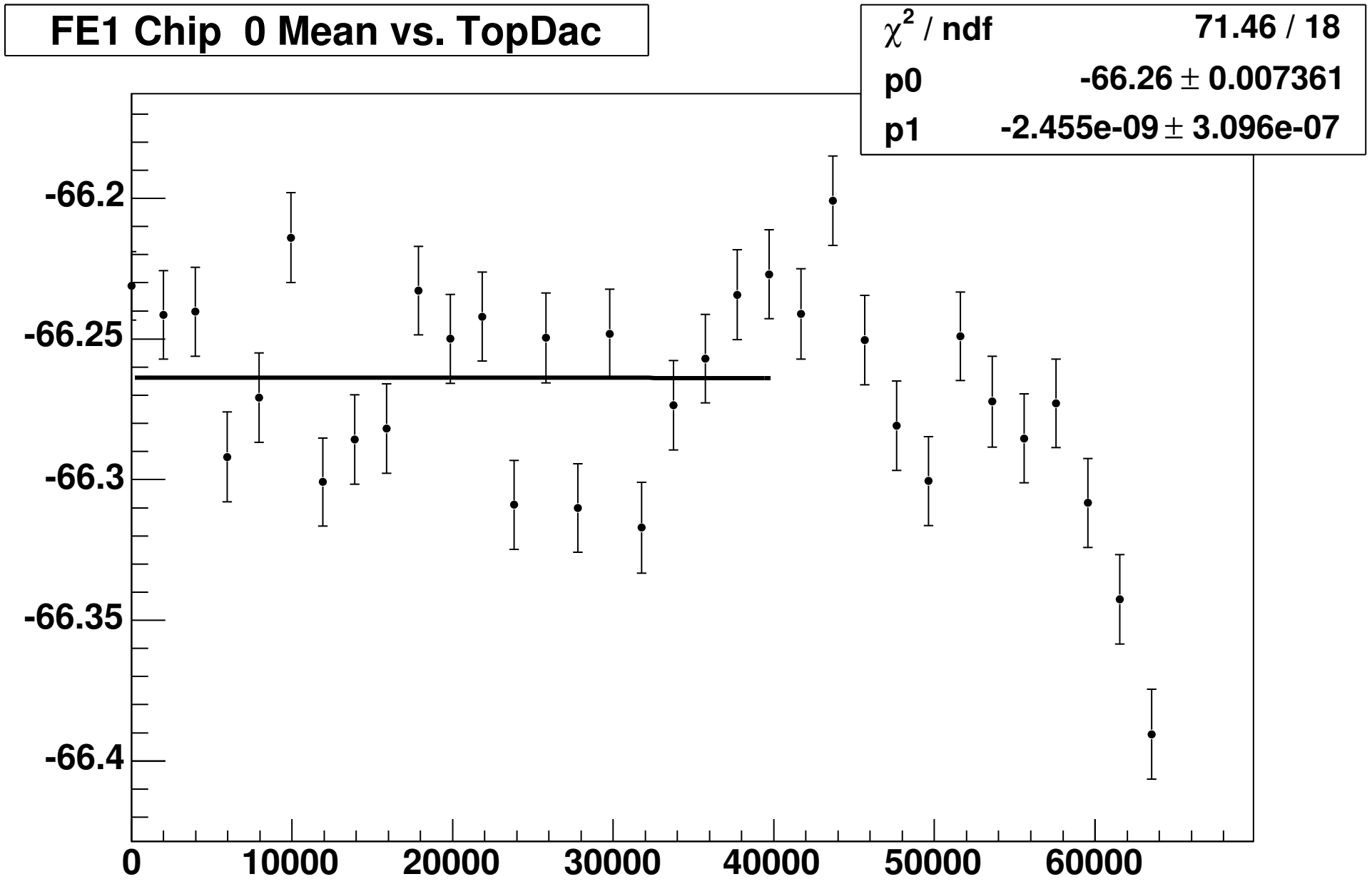
60000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 71.46 / 18
p0 -66.26 ± 0.007361
p1 -2.455e-09 ± 3.096e-07
-66.2
-66.25
-66.3
-66.35
-66.4
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10000
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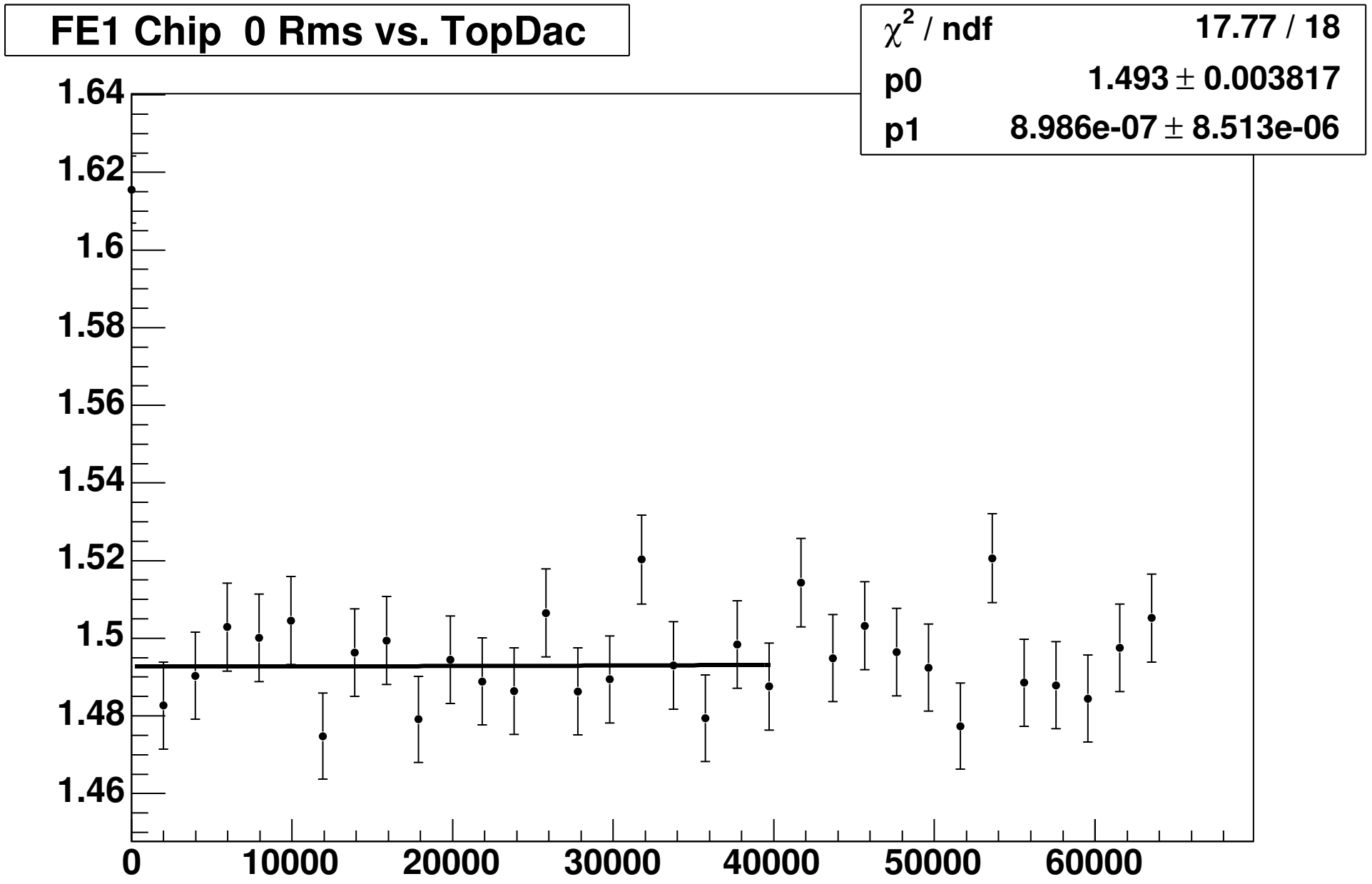
FE1 Chip 0 Rms vs. TopDac
χ² / ndf 17.77 / 18
p0 1.493 ± 0.003817
p1 8.986e-07 ± 8.513e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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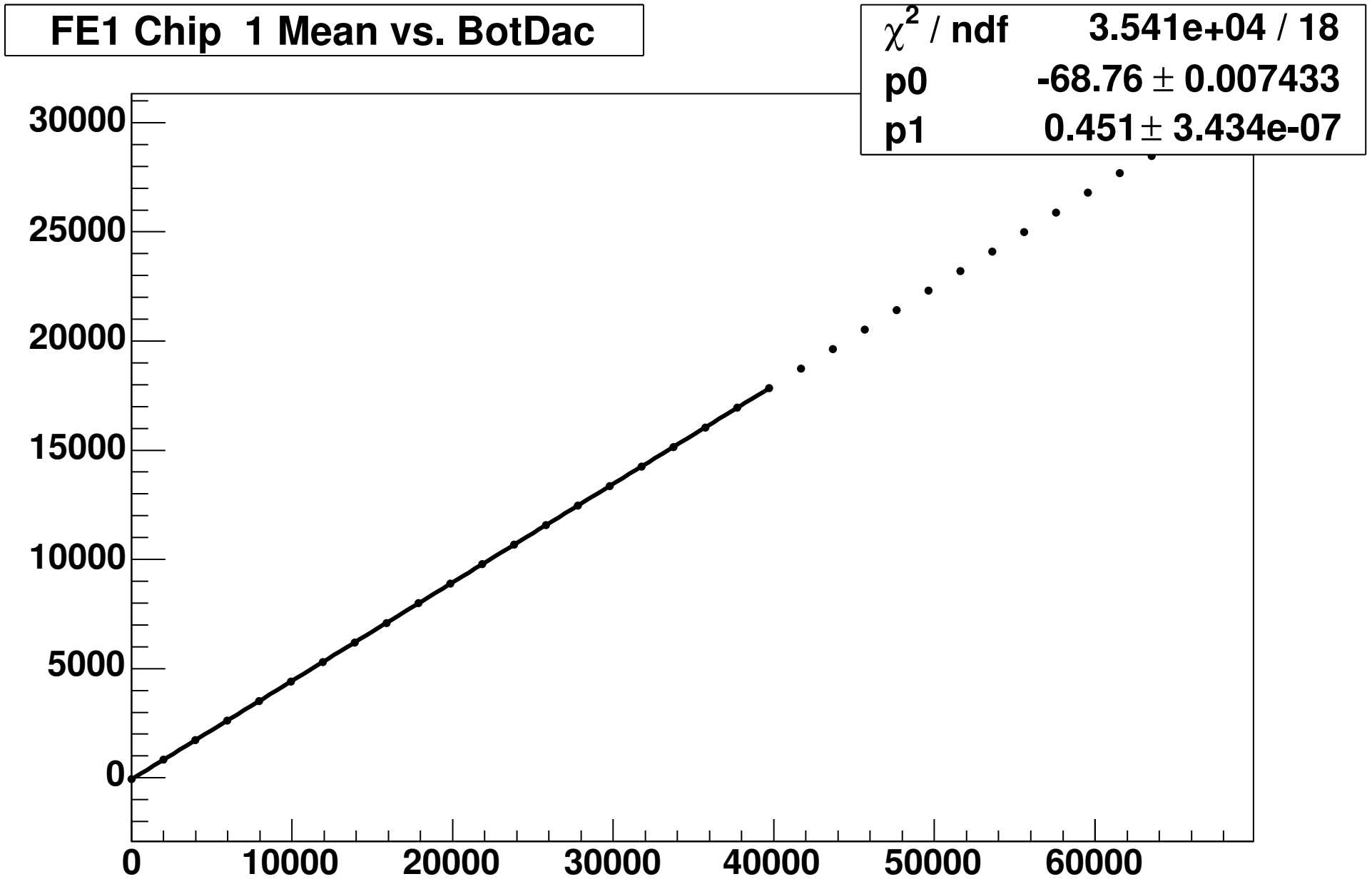
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 3.541e+04 / 18
p0 -68.76 ± 0.007433
p1 0.451 ± 3.434e-07
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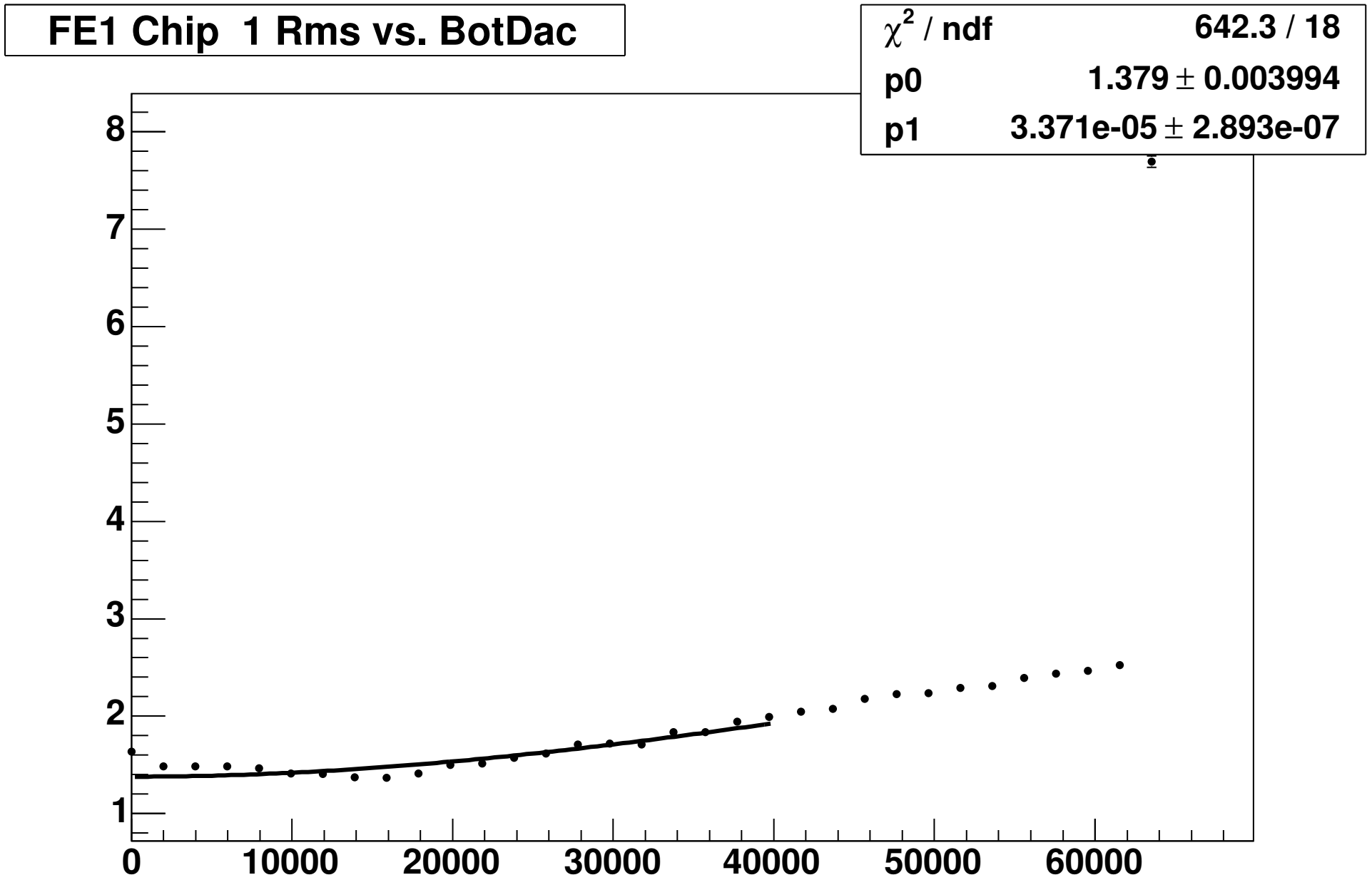
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 642.3 / 18
p0 1.379 ± 0.003994
p1 3.371e-05 ± 2.893e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
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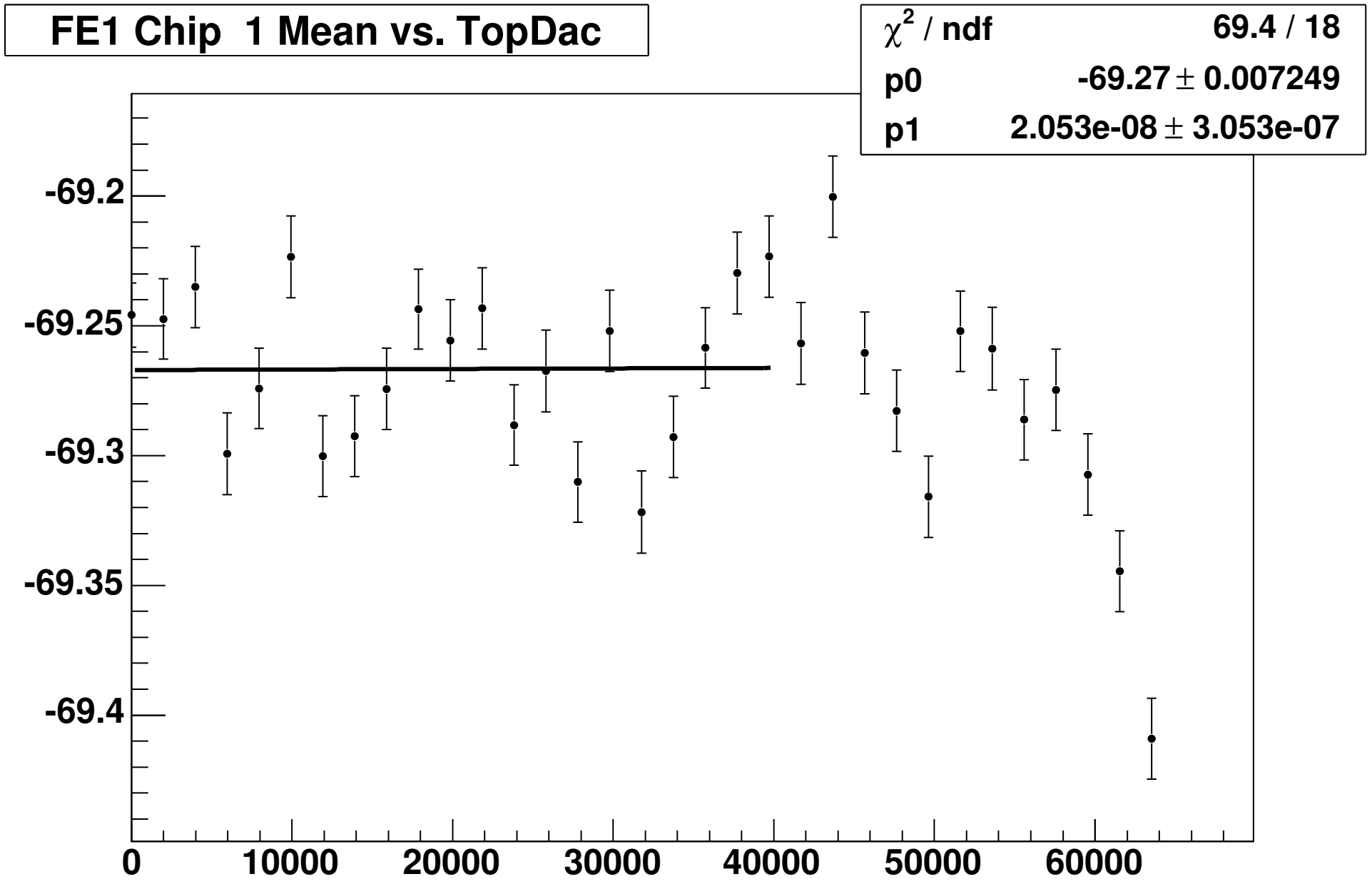
60000


FE1 Chip 1 Mean vs. TopDac
χ^2 / ndf 69.4 / 18
p0 -69.27 ± 0.007249
p1 2.053e-08 ± 3.053e-07
-69.2
-69.25
-69.3
-69.35
-69.4
0
10000
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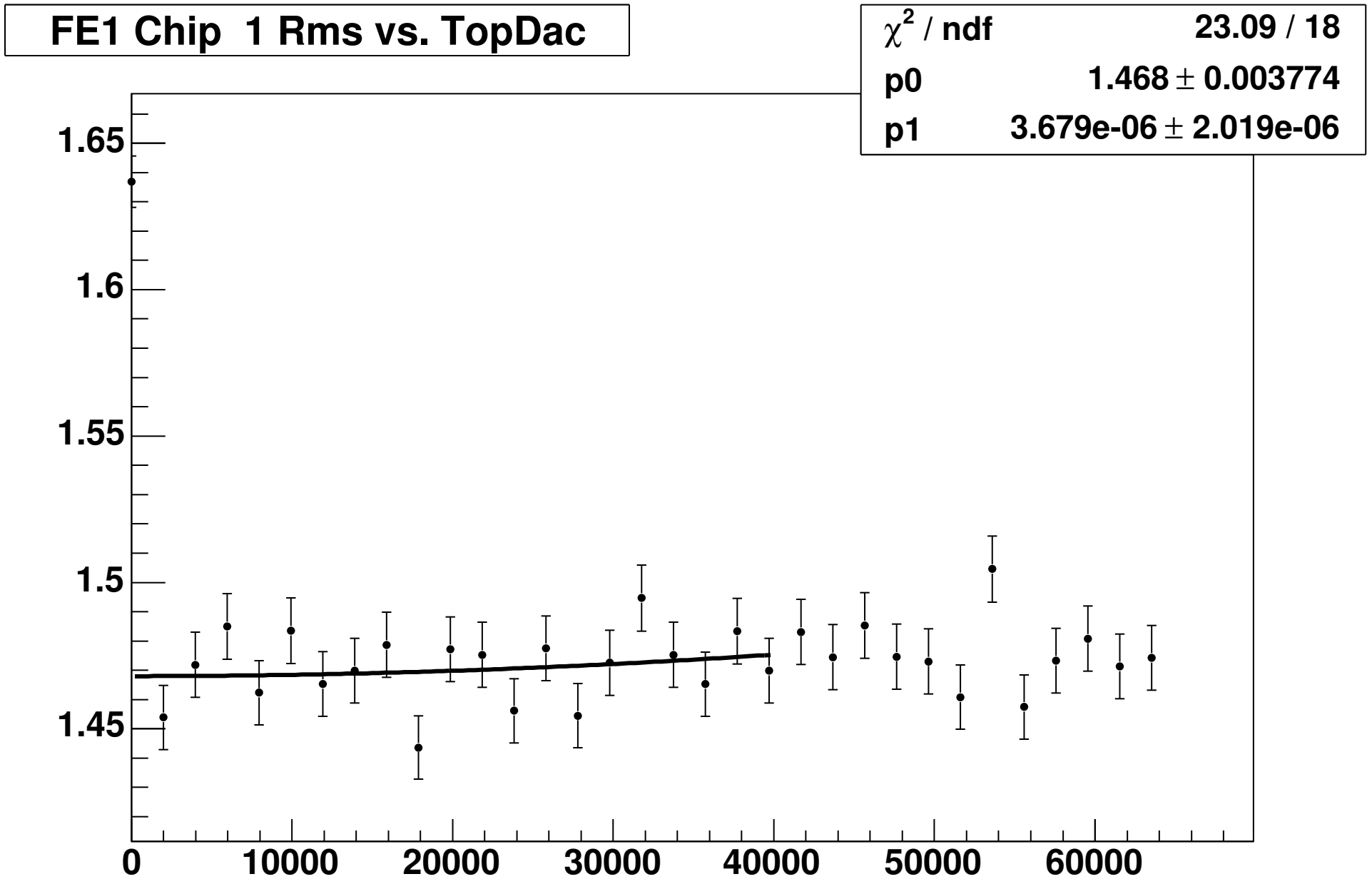
30000
40000
50000
60000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 23.09 / 18
p0 1.468 ± 0.003774
p1 3.679e-06 ± 2.019e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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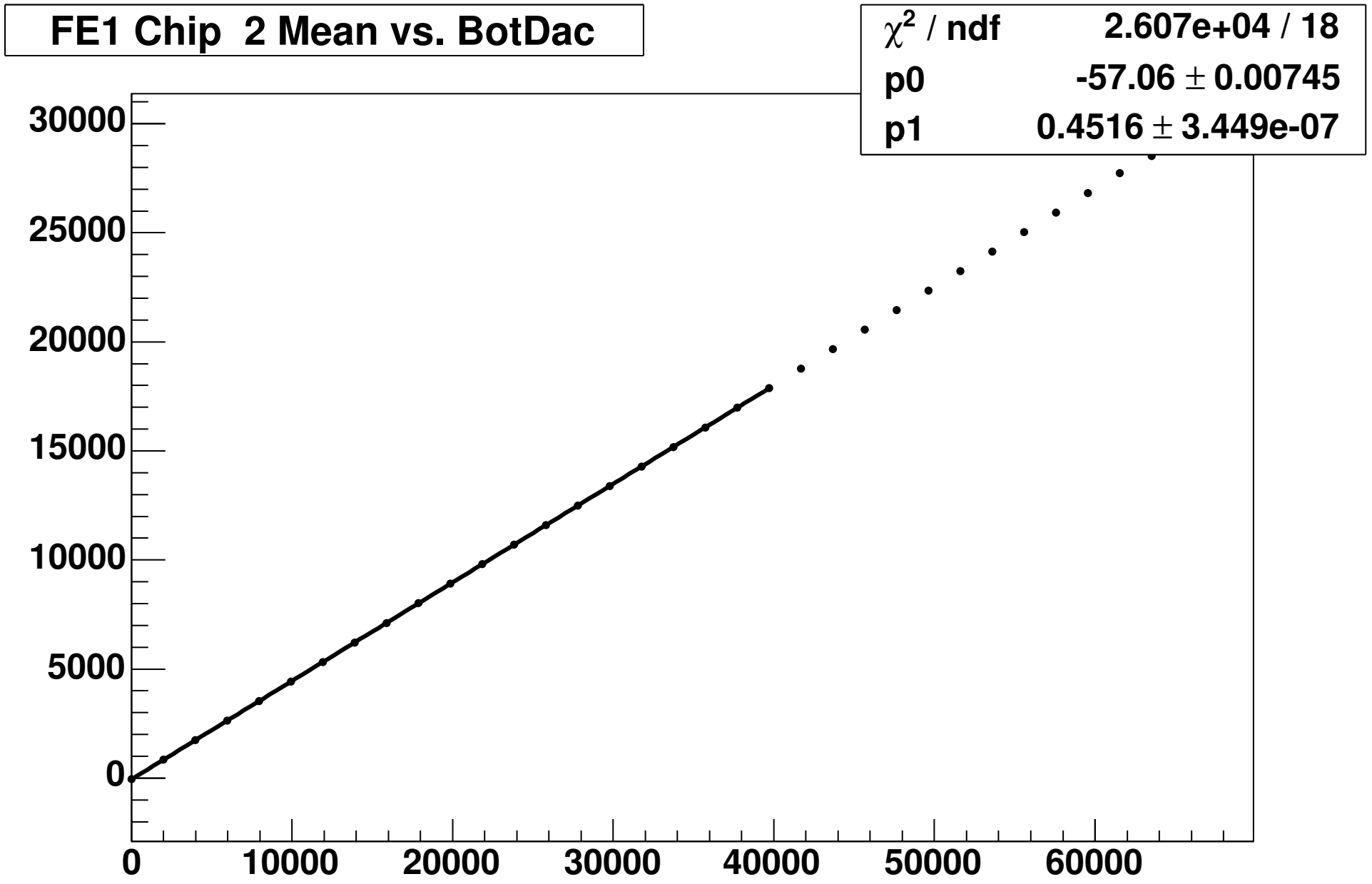
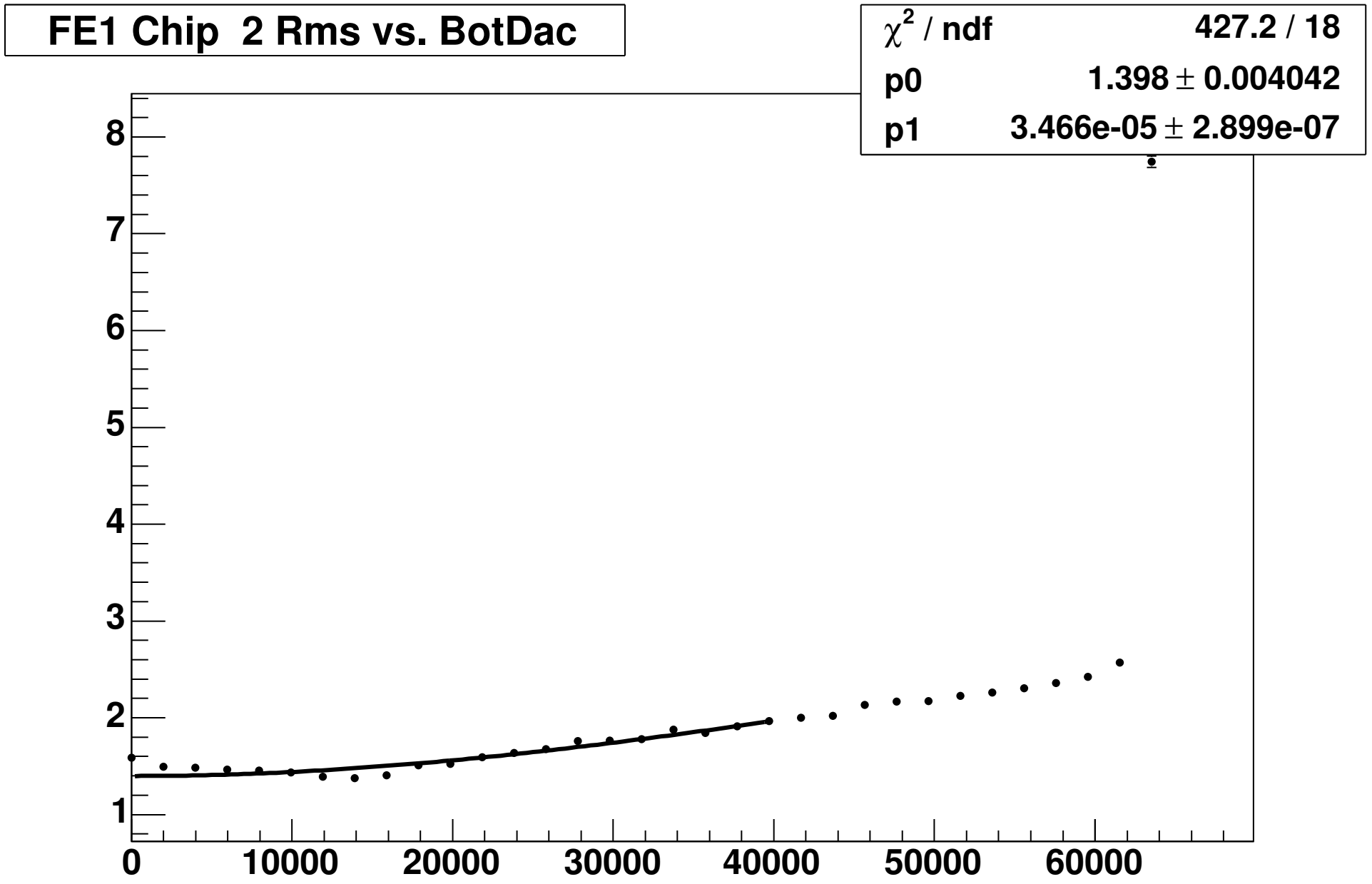
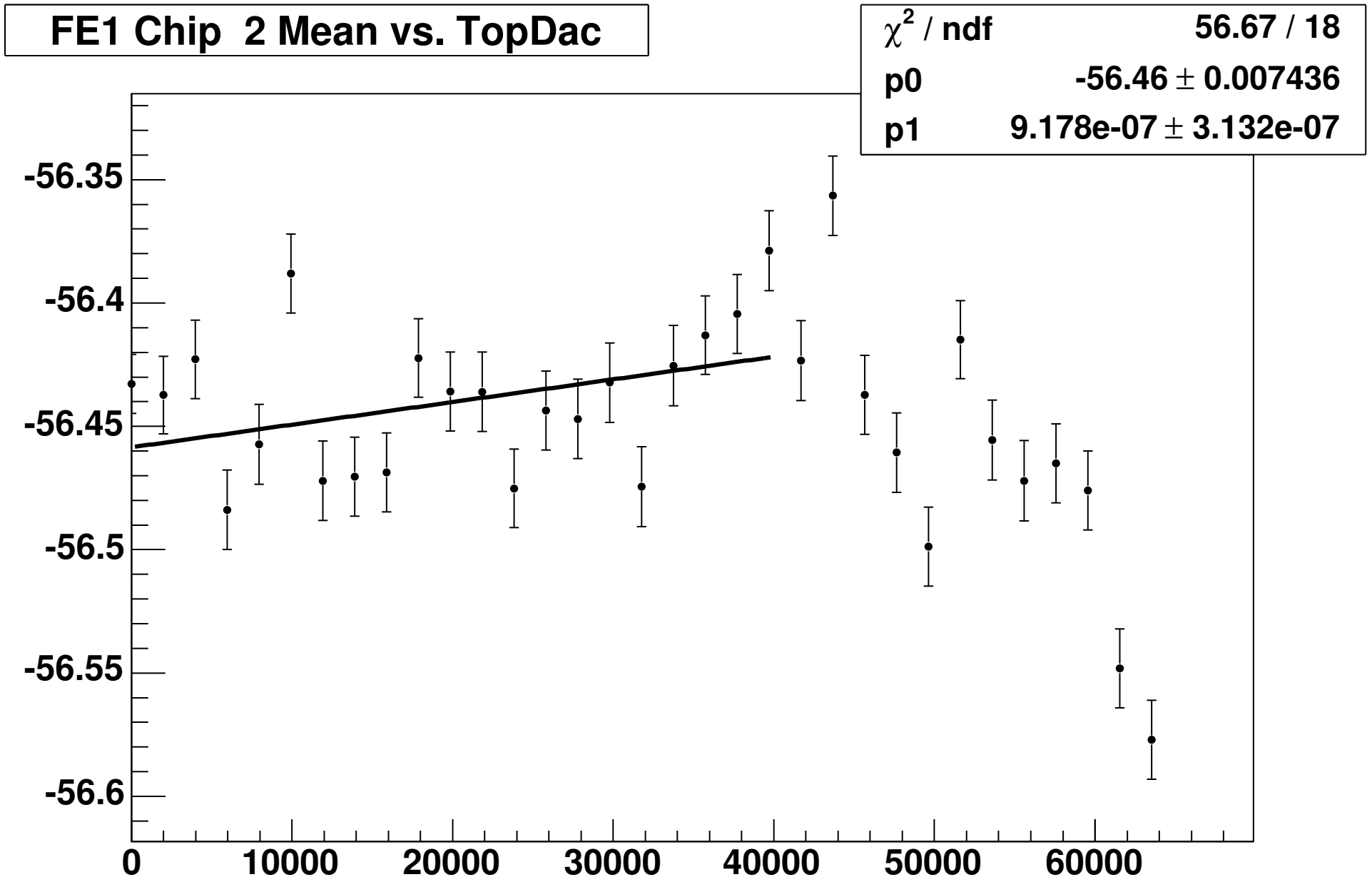
60000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 2.607e+04 / 18
p0 -57.06 ± 0.00745
p1 0.4516 ± 3.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 427.2 / 18
p0 1.398 ± 0.004042
p1 3.466e-05 ± 2.899e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 56.67 / 18
p0 -56.46 ± 0.007436
p1 9.178e-07 ± 3.132e-07
-56.35
-56.4
-56.45
-56.5
-56.55
-56.6
0
10000
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30000
40000
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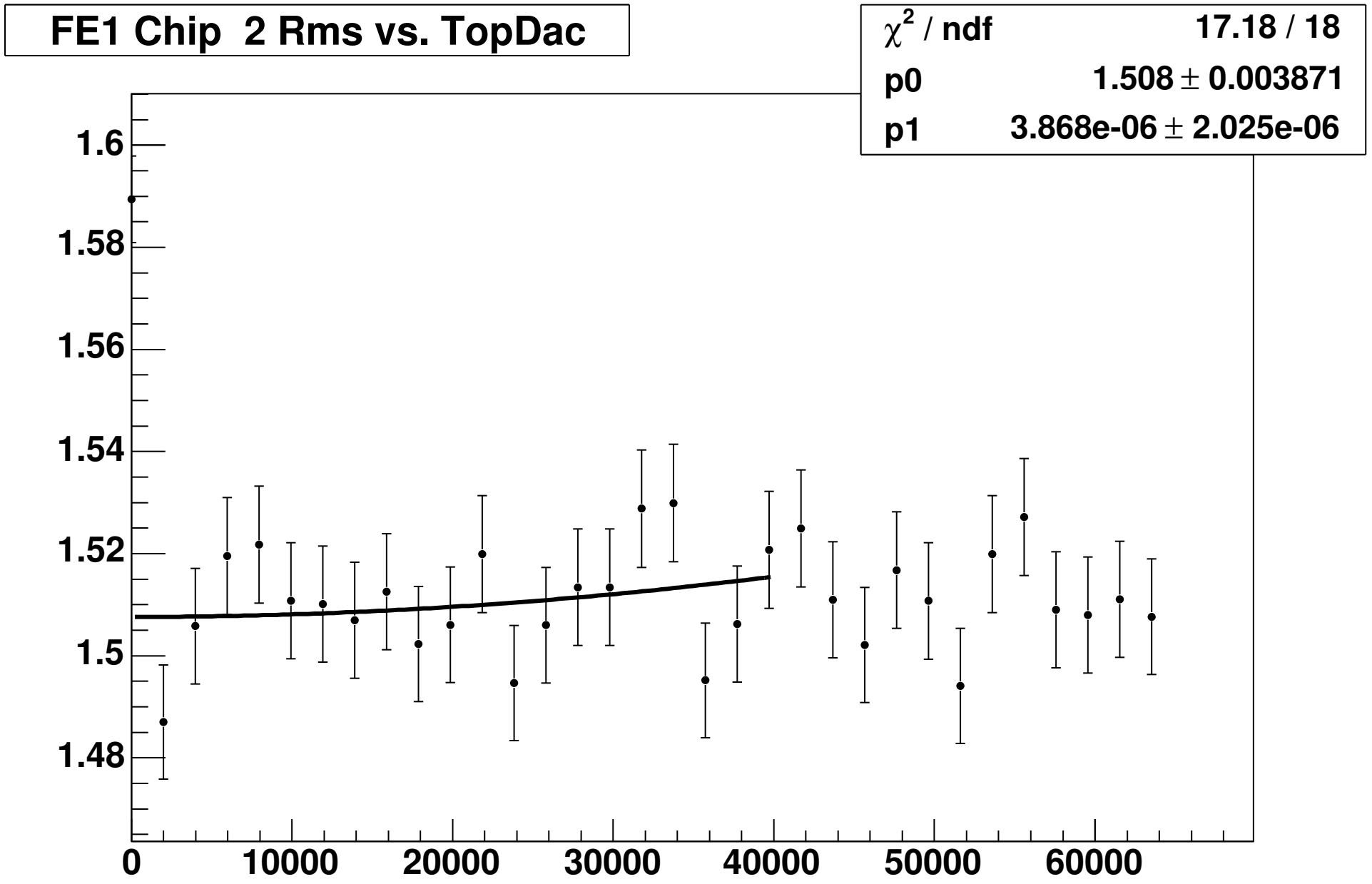
60000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 17.18 / 18
p0 1.508 ± 0.003871
p1 3.868e-06 ± 2.025e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
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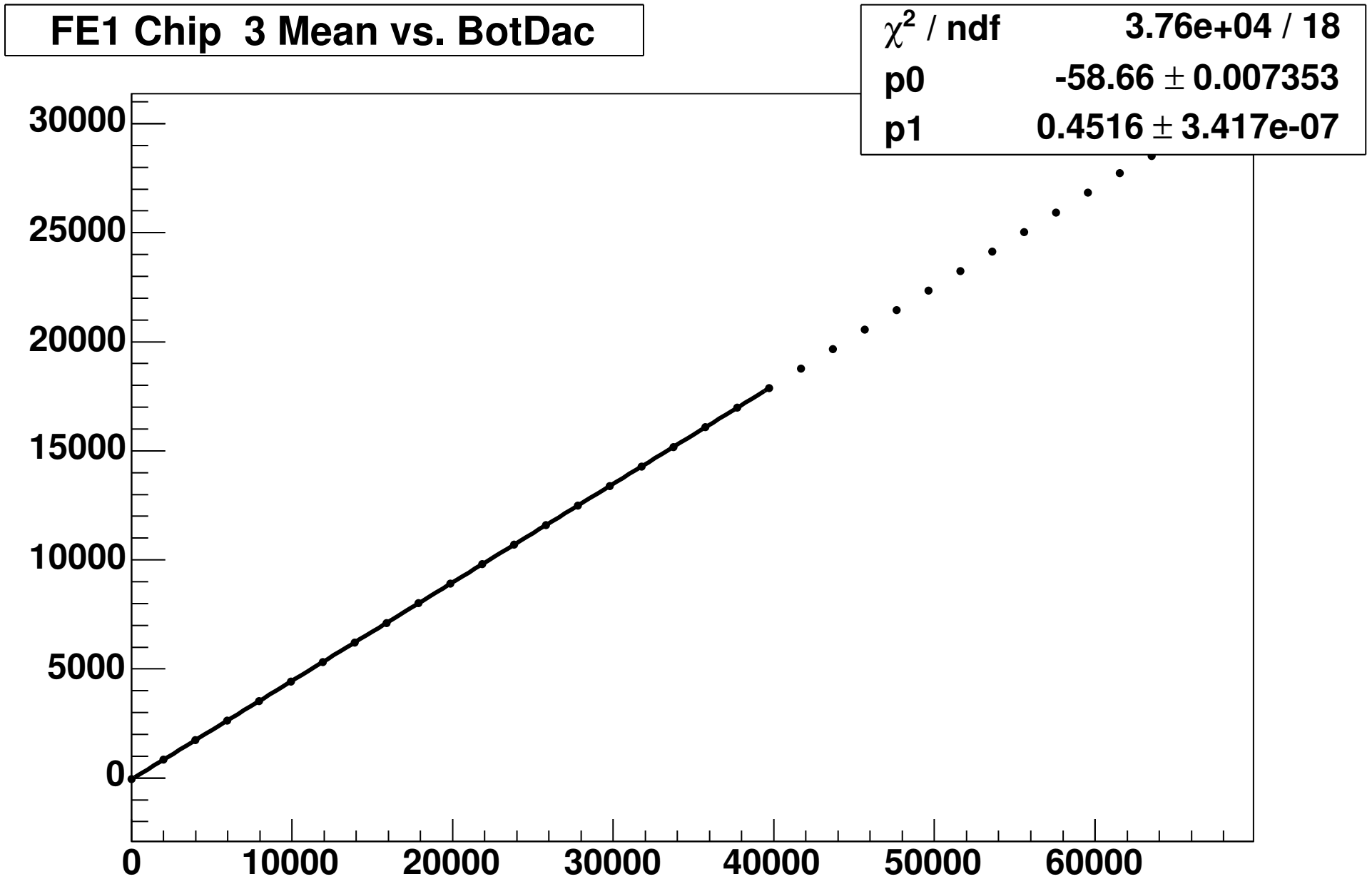
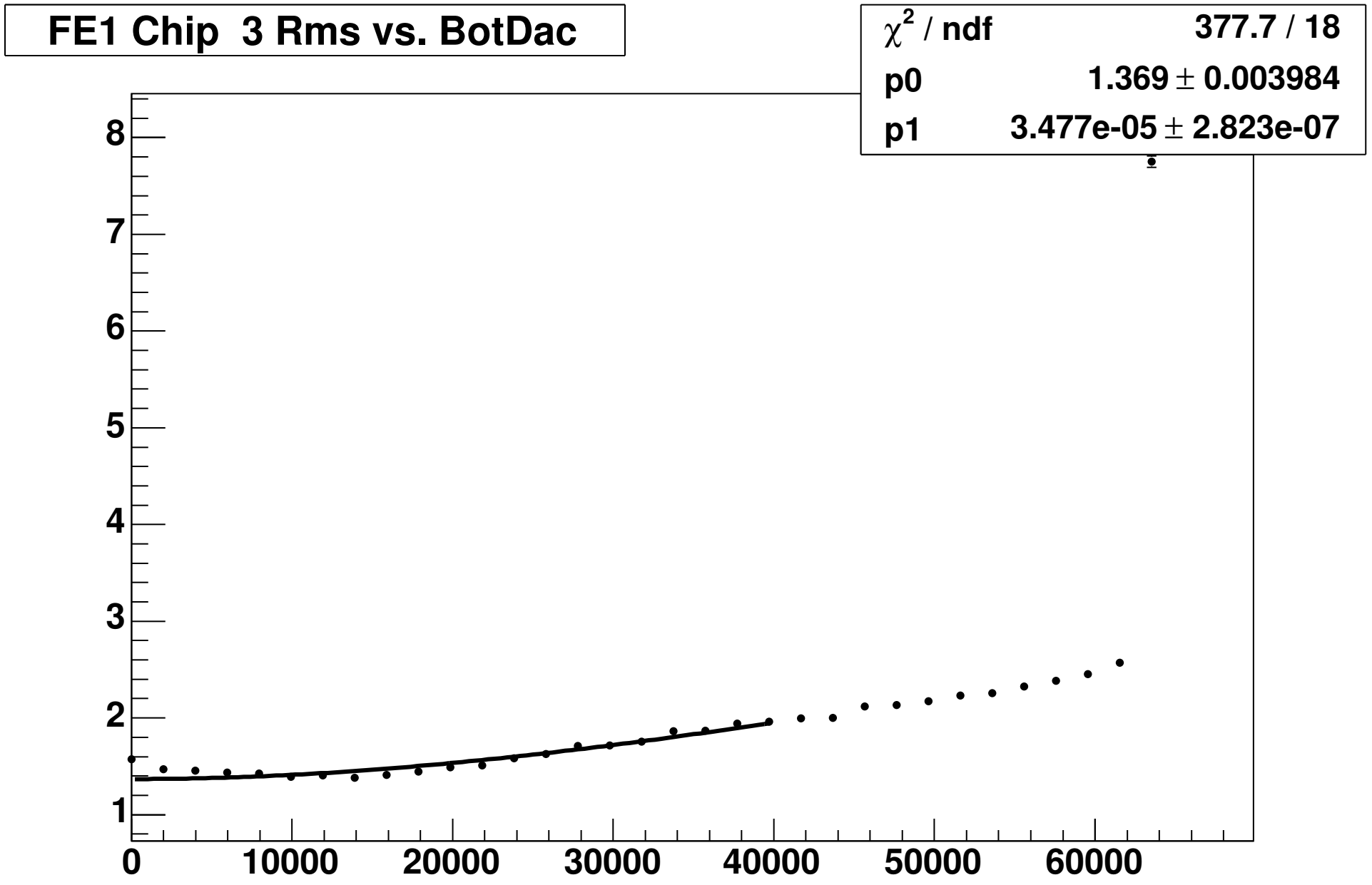
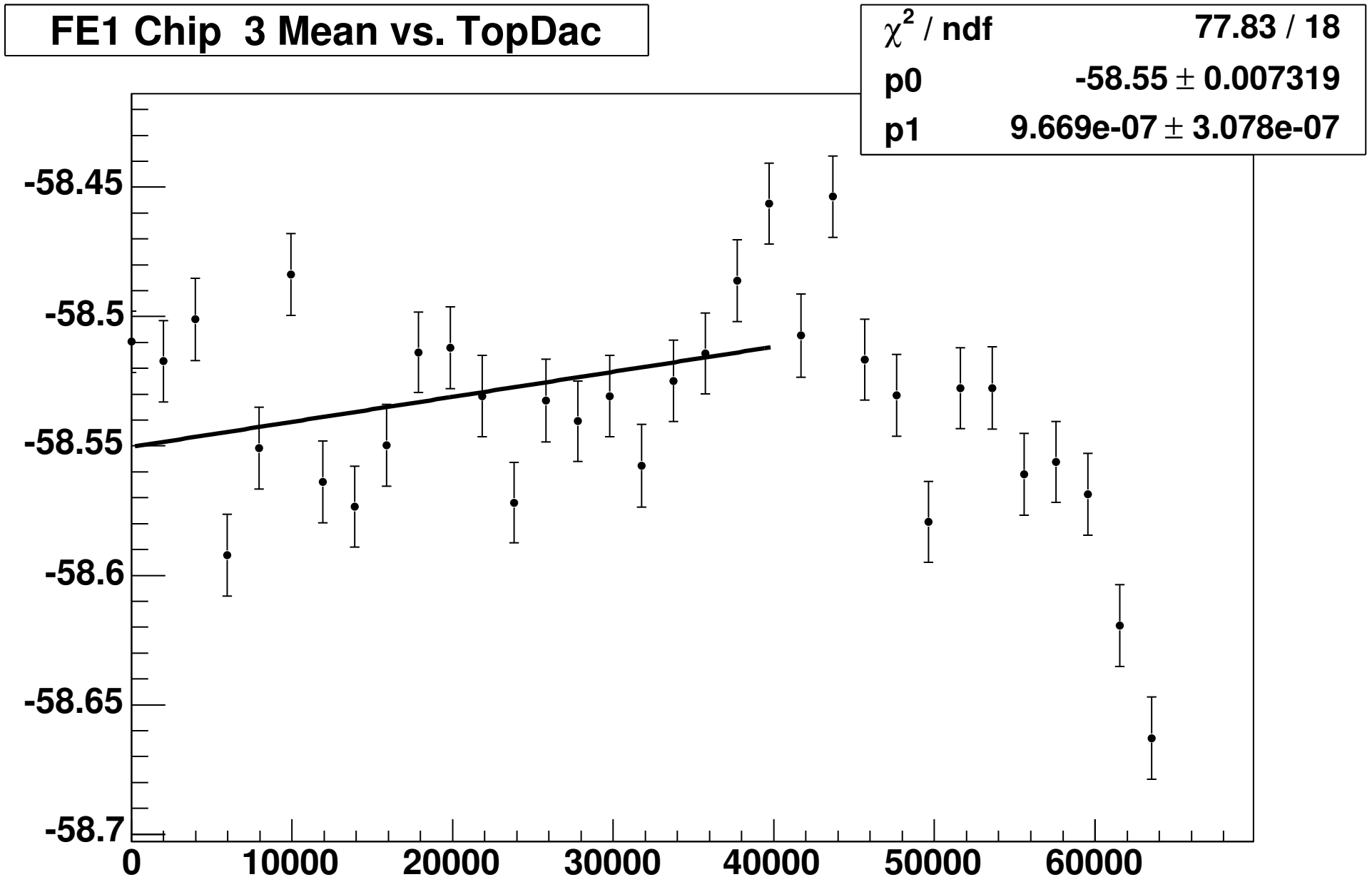
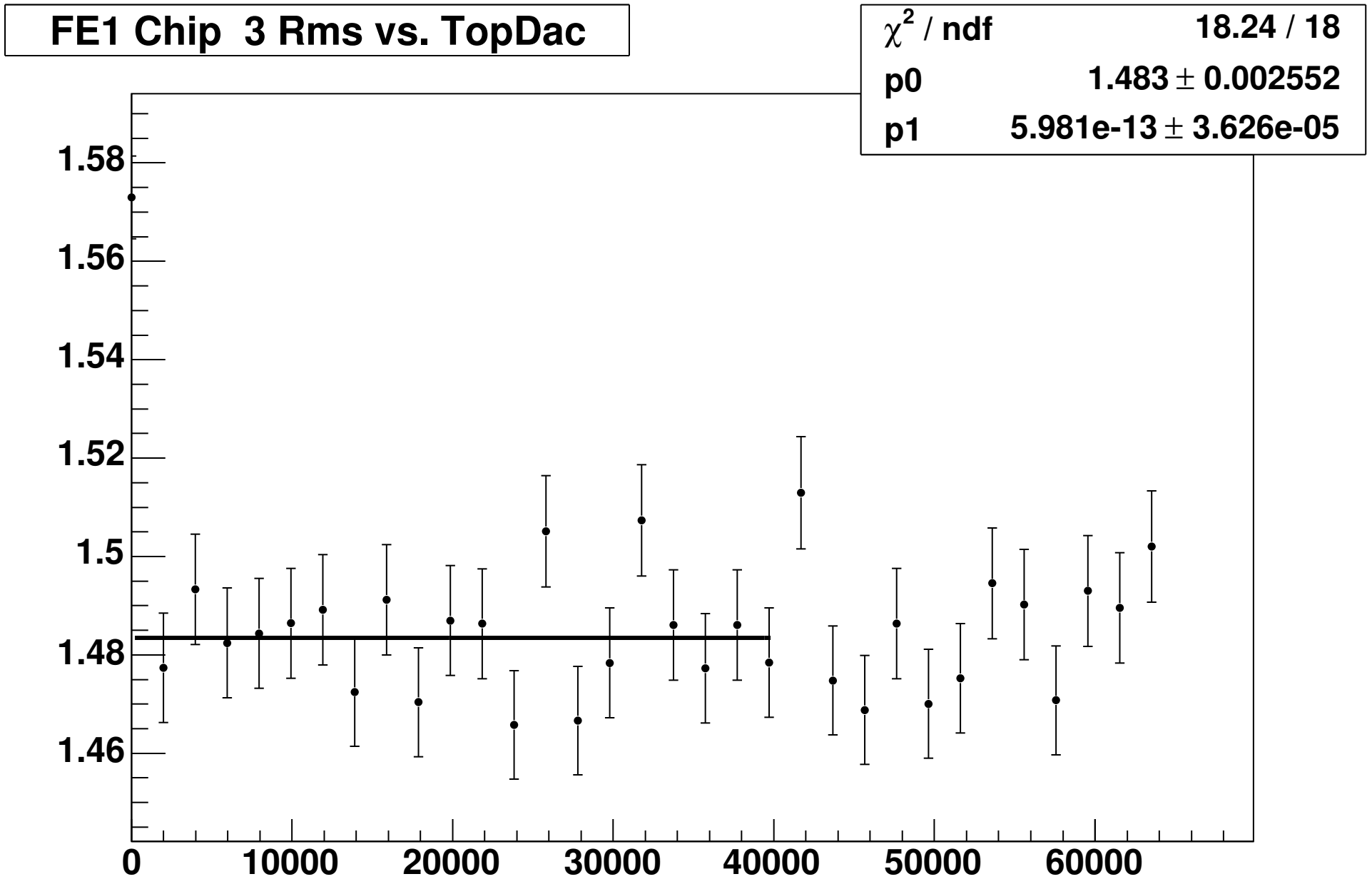
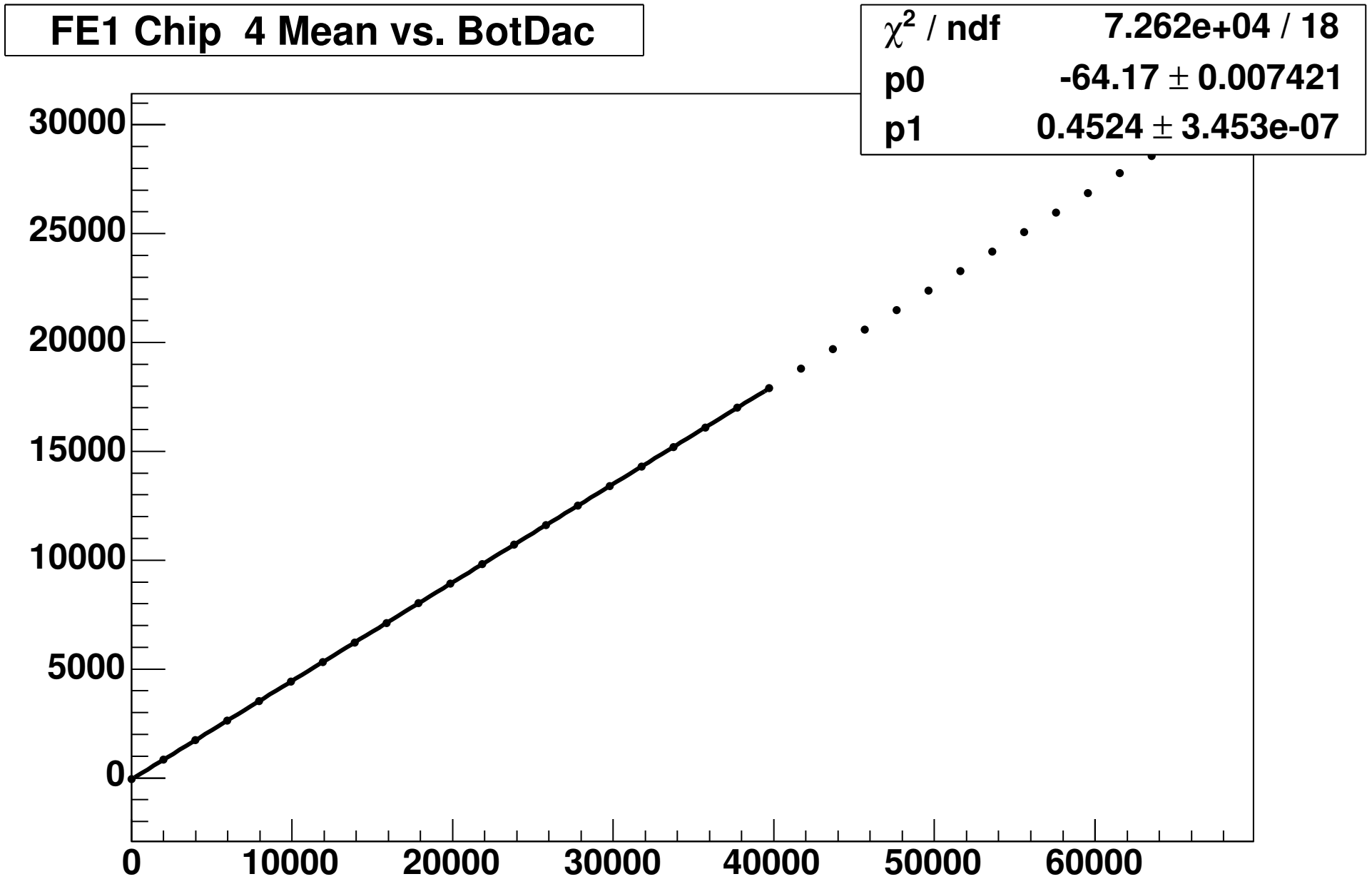
10000
20000
30000
40000
50000
60000

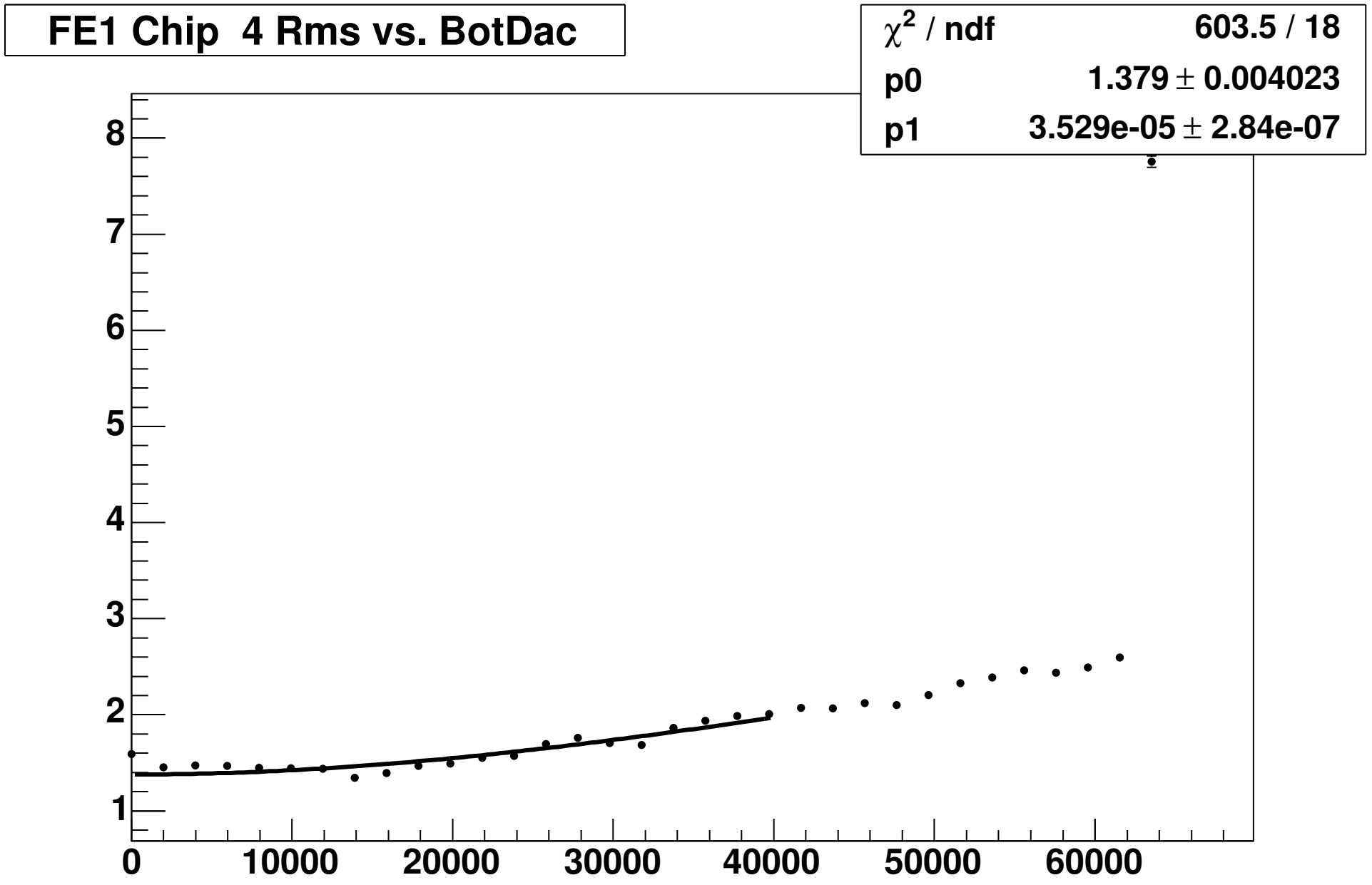

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 3.76e+04 / 18
p0 -58.66 ± 0.007353
p1 0.4516 ± 3.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

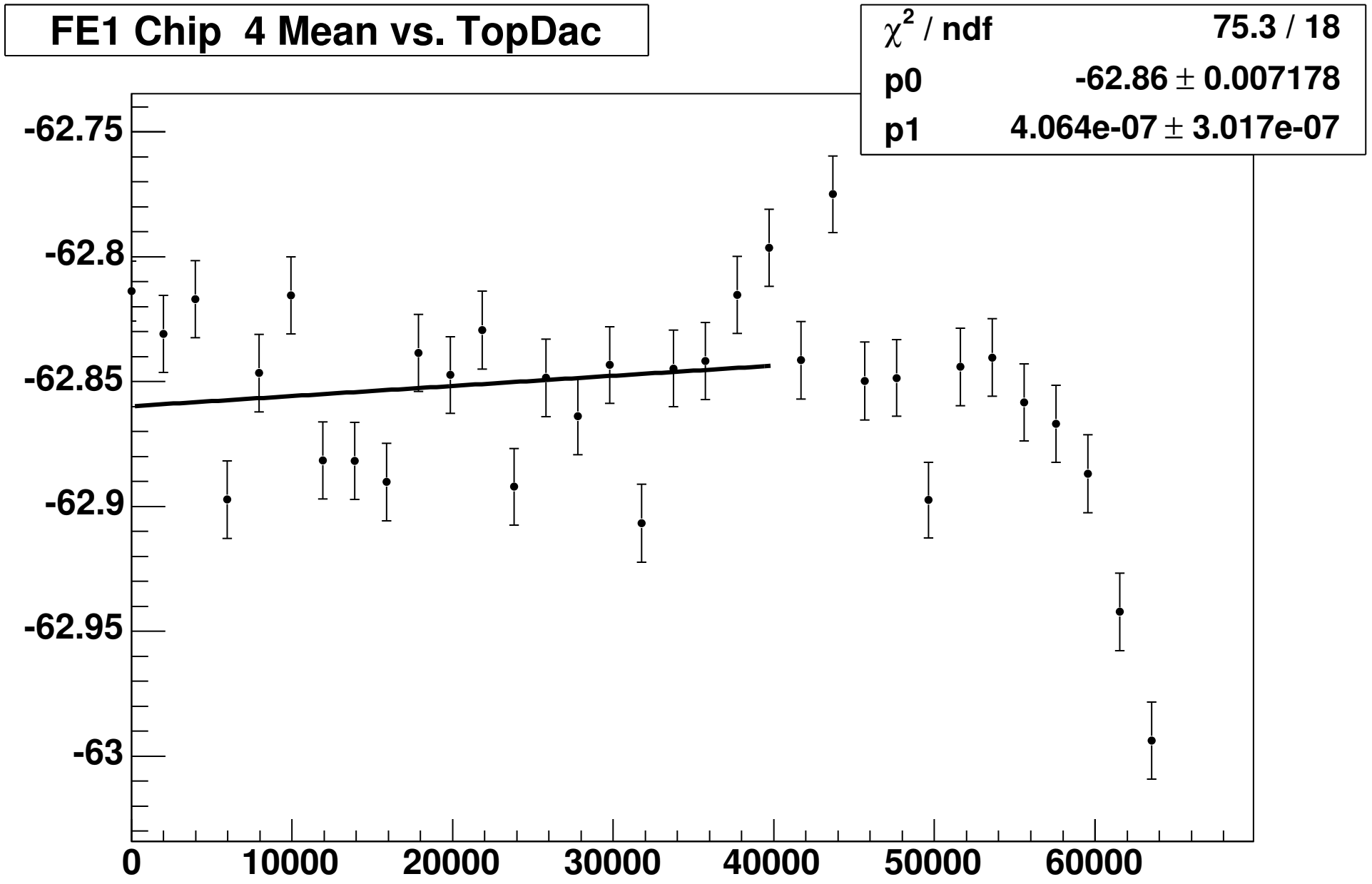

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 377.7 / 18
p0 1.369 ± 0.003984
p1 3.477e-05 ± 2.823e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ^2 / ndf 77.83 / 18
p0 -58.55 ± 0.007319
p1 9.669e-07 ± 3.078e-07
-58.45
-58.5
-58.55
-58.6
-58.65
-58.7
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 18.24 / 18
p0 1.483 ± 0.002552
p1 5.981e-13 ± 3.626e-05
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 7.262e+04 / 18
p0 -64.17 ± 0.007421
p1 0.4524 ± 3.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 603.5 / 18
p0 1.379 ± 0.004023
p1 3.529e-05 ± 2.84e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 75.3 / 18
p0 -62.86 ± 0.007178
p1 4.064e-07 ± 3.017e-07
-62.75
-62.8
-62.85
-62.9
-62.95
-63
0
10000
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30000
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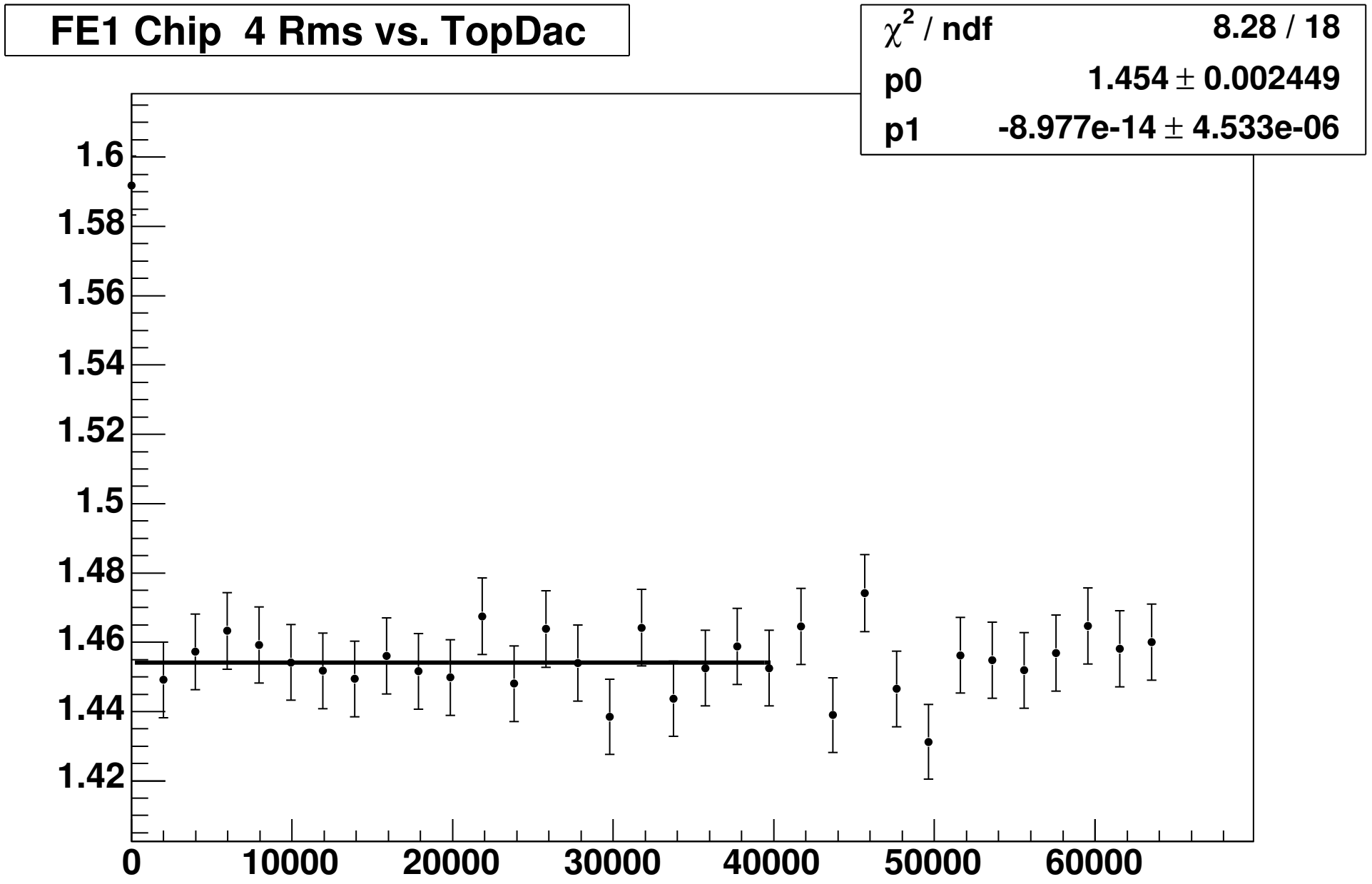
60000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 8.28 / 18
p0 1.454 ± 0.002449
p1 -8.977e-14 ± 4.533e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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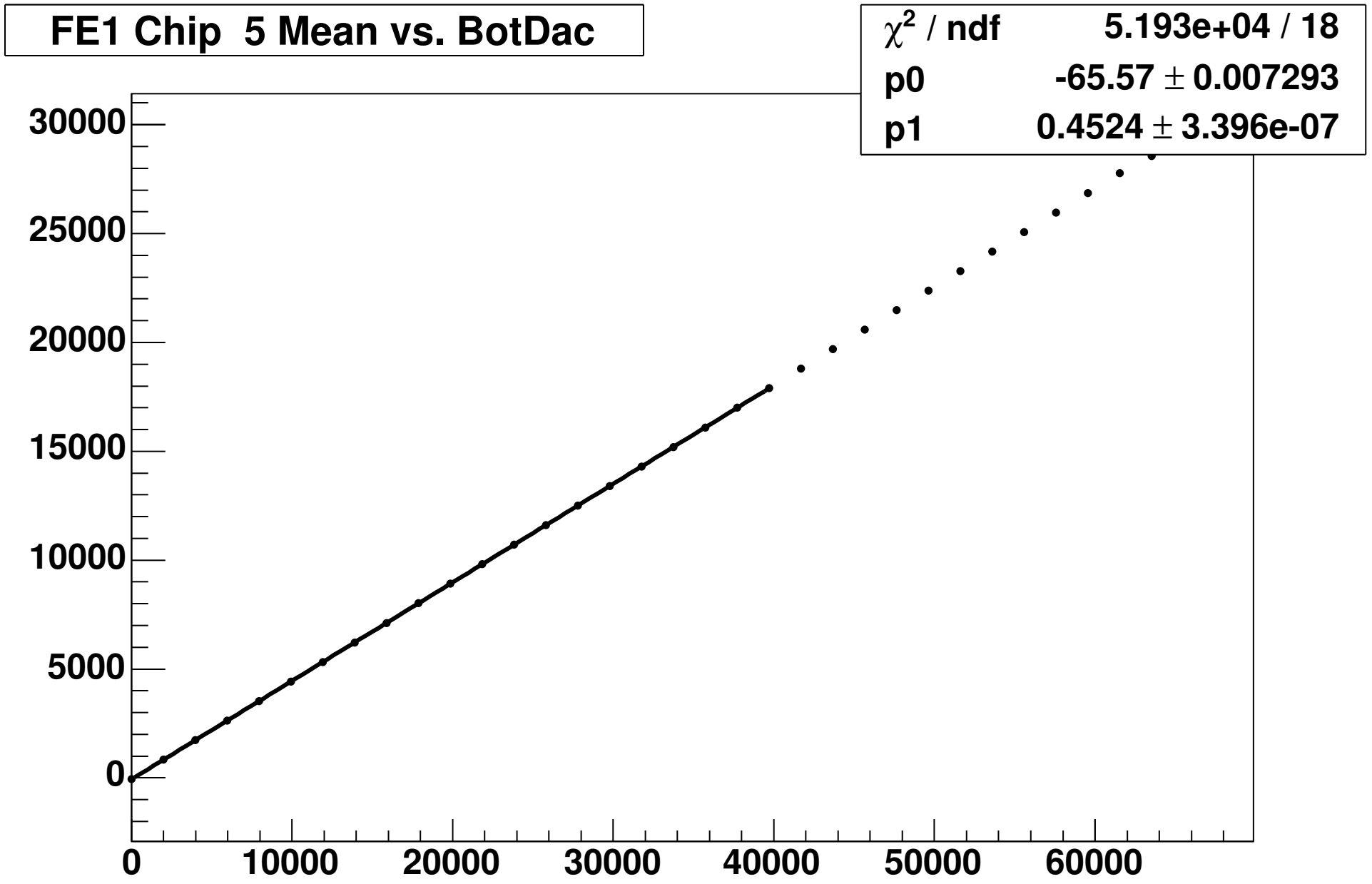
50000
60000


FE1 Chip 5 Mean vs. BotDac
χ² / ndf 5.193e+04 / 18
p0 -65.57 ± 0.007293
p1 0.4524 ± 3.396e-07
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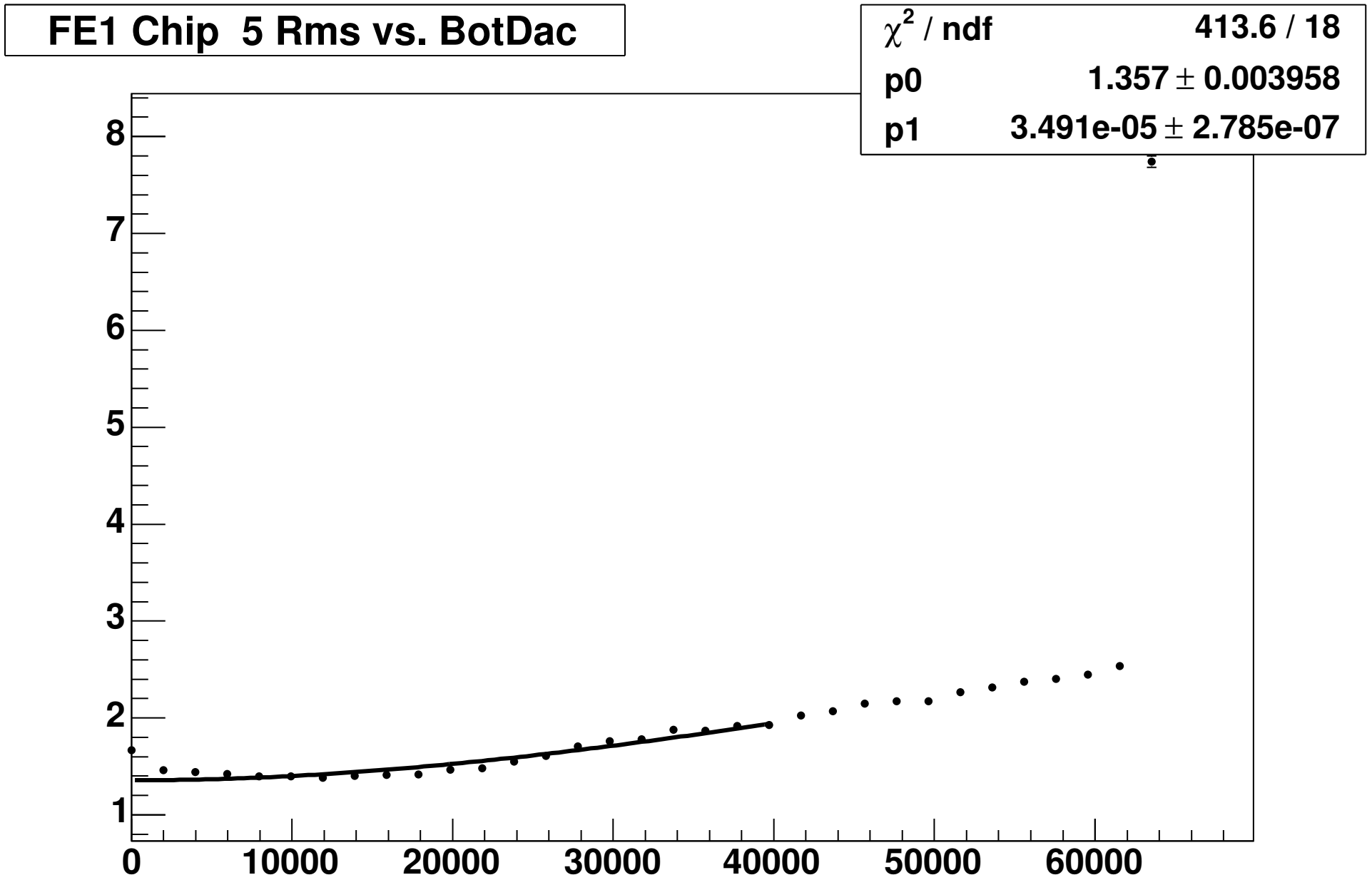
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 413.6 / 18
p0 1.357 ± 0.003958
p1 3.491e-05 ± 2.785e-07
8
7
6
5
4
3
2
1
0
10000
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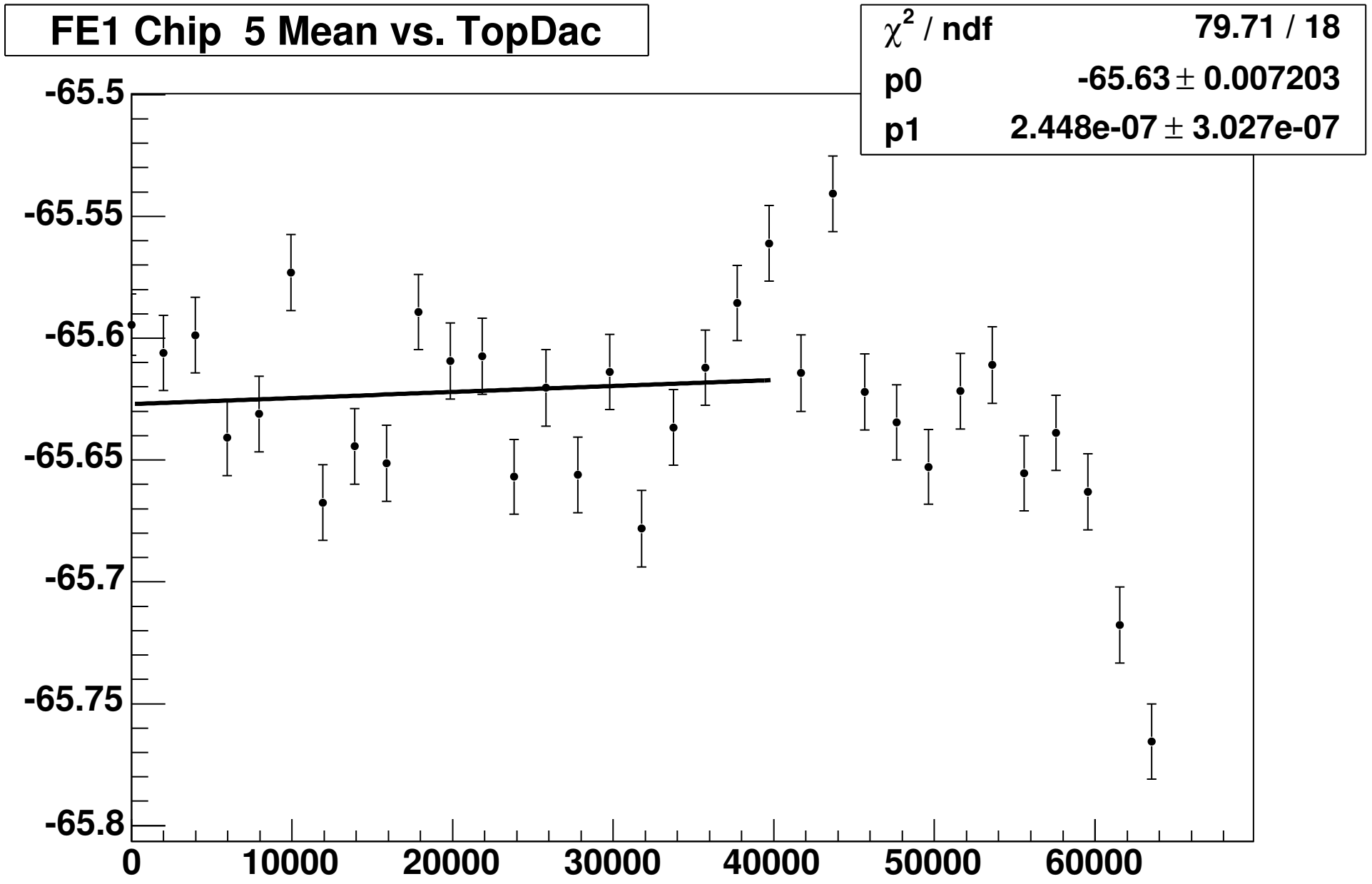
60000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 79.71 / 18
p0 -65.63 ± 0.007203
p1 2.448e-07 ± 3.027e-07
-65.5
-65.55
-65.6
-65.65
-65.7
-65.75
-65.8
0
10000
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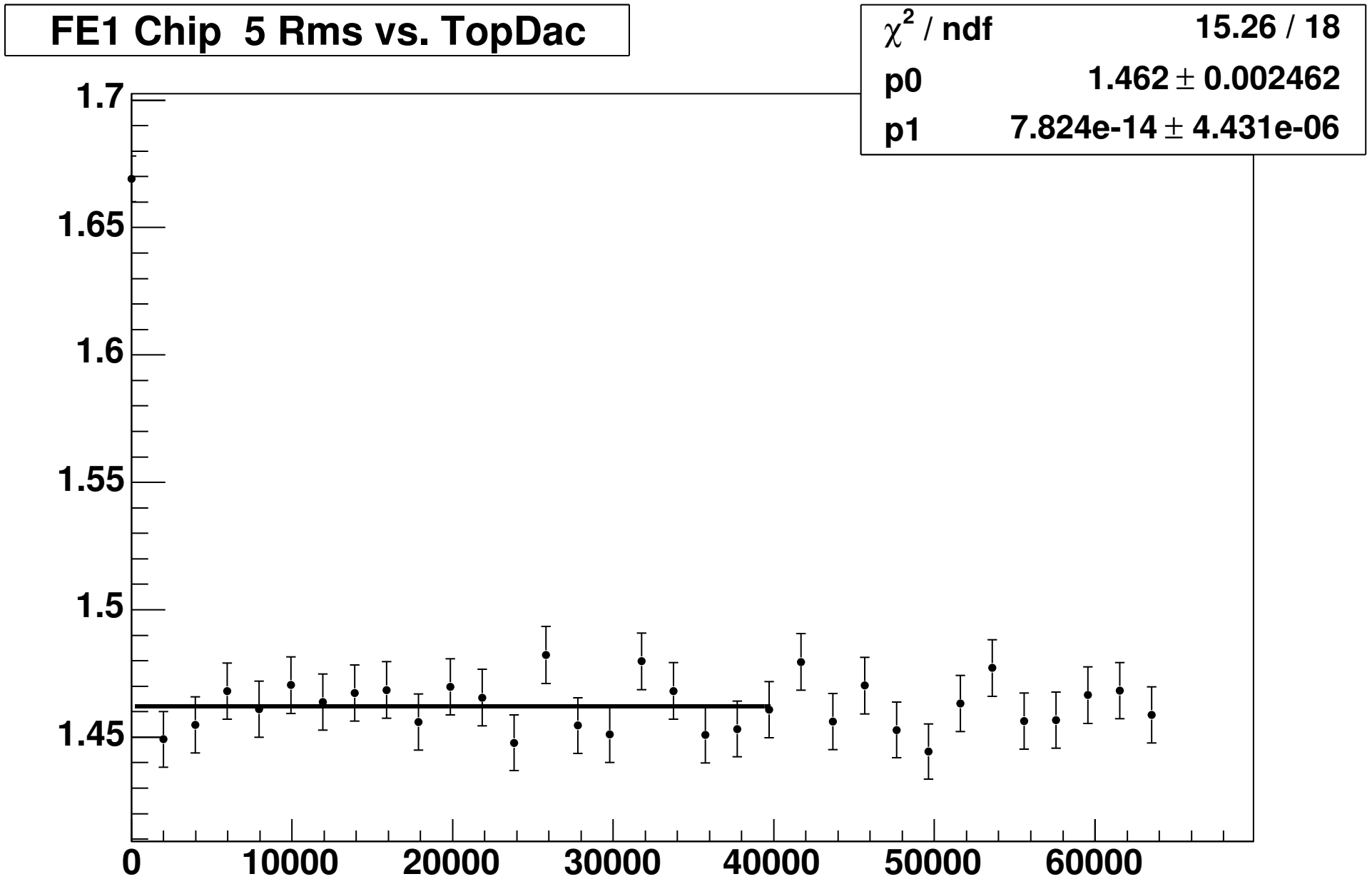
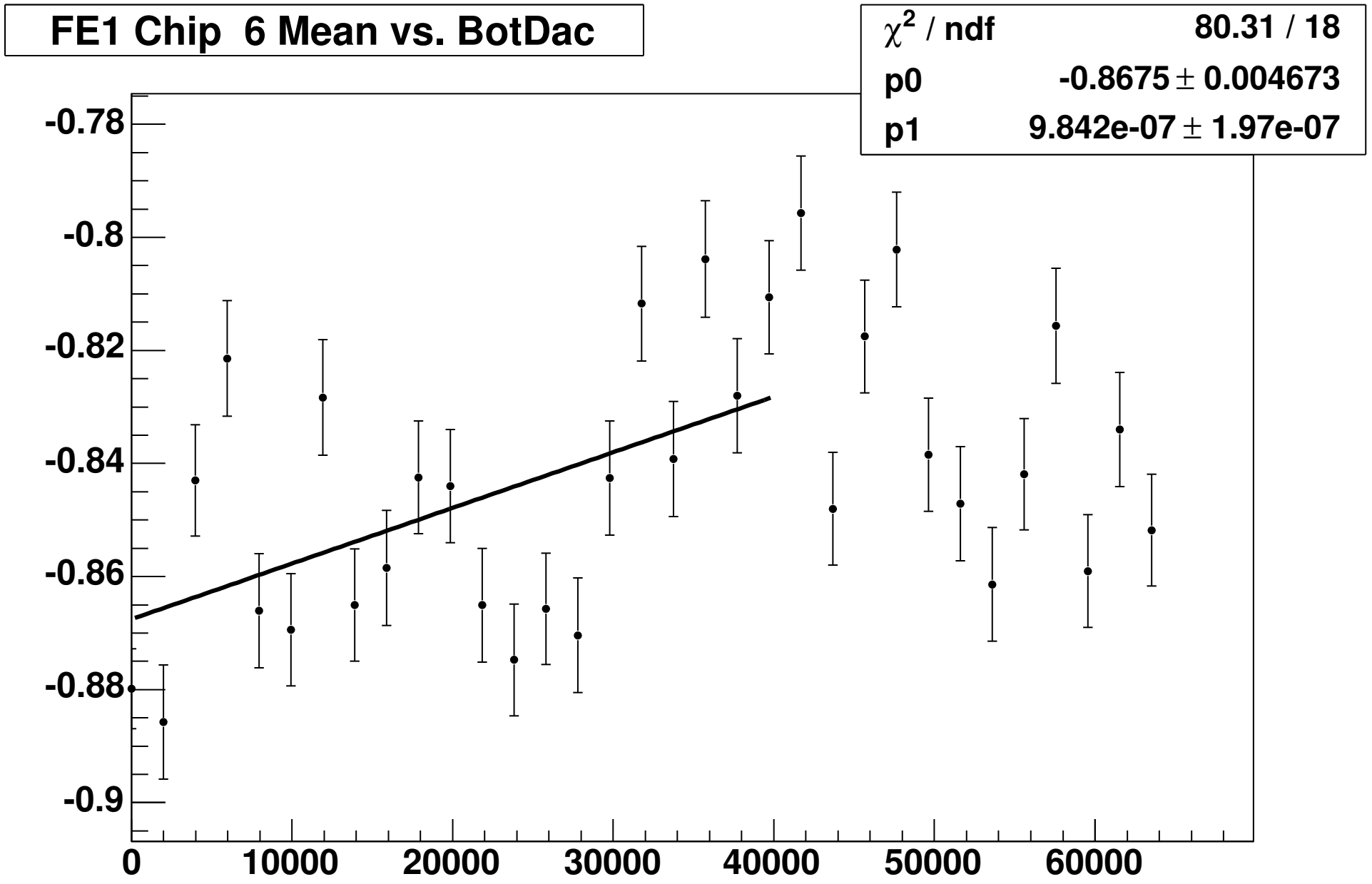
30000
40000
50000
60000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 15.26 / 18
p0 1.462 ± 0.002462
p1 7.824e-14 ± 4.431e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 80.31 / 18
p0 -0.8675 ± 0.004673
p1 9.842e-07 ± 1.97e-07
-0.78
-0.8
-0.82
-0.84
-0.86
-0.88
-0.9
0
10000
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30000
40000
50000
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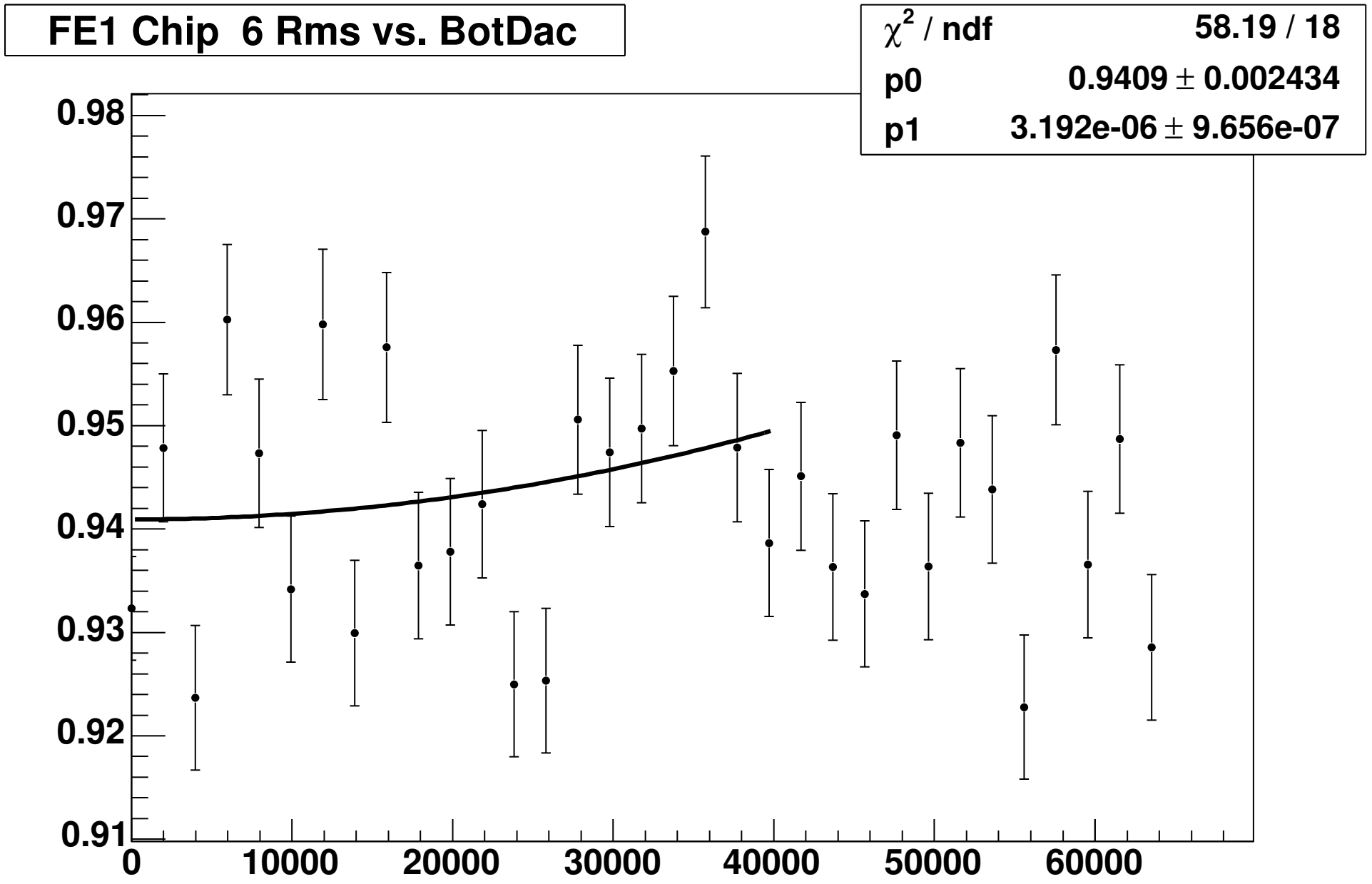
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 58.19 / 18
p0 0.9409 ± 0.002434
p1 3.192e-06 ± 9.656e-07
0.98
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0
10000
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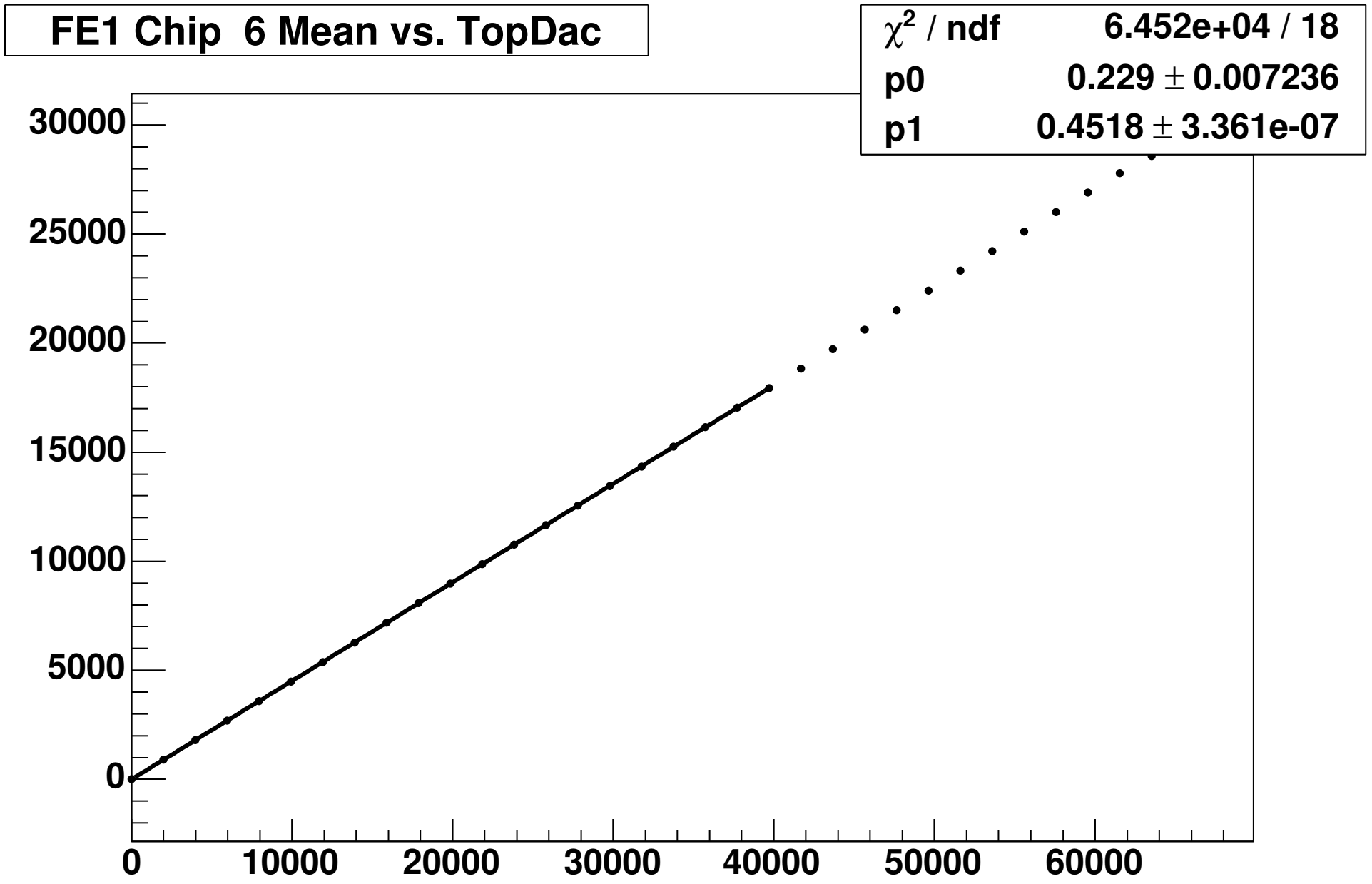
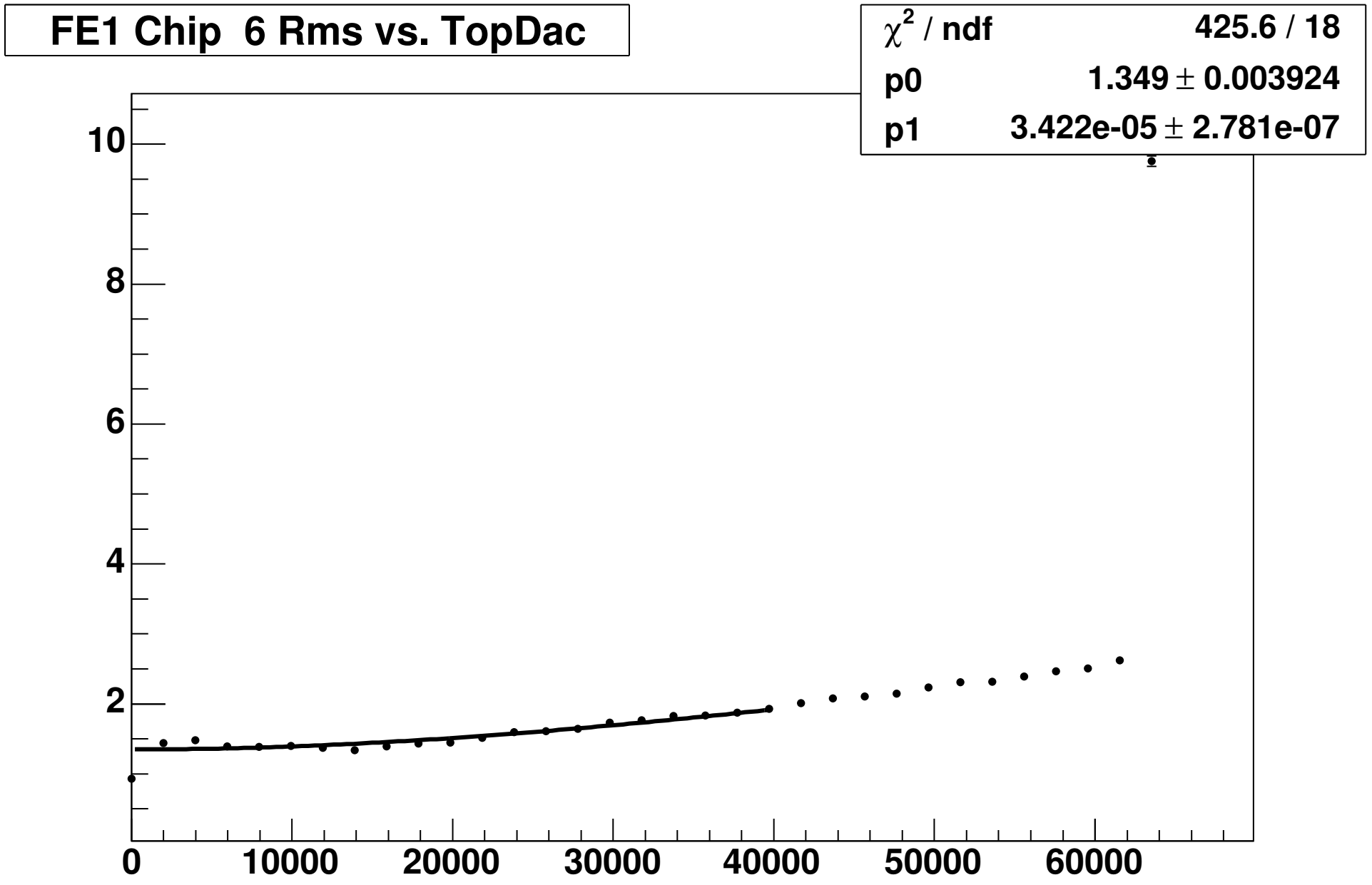
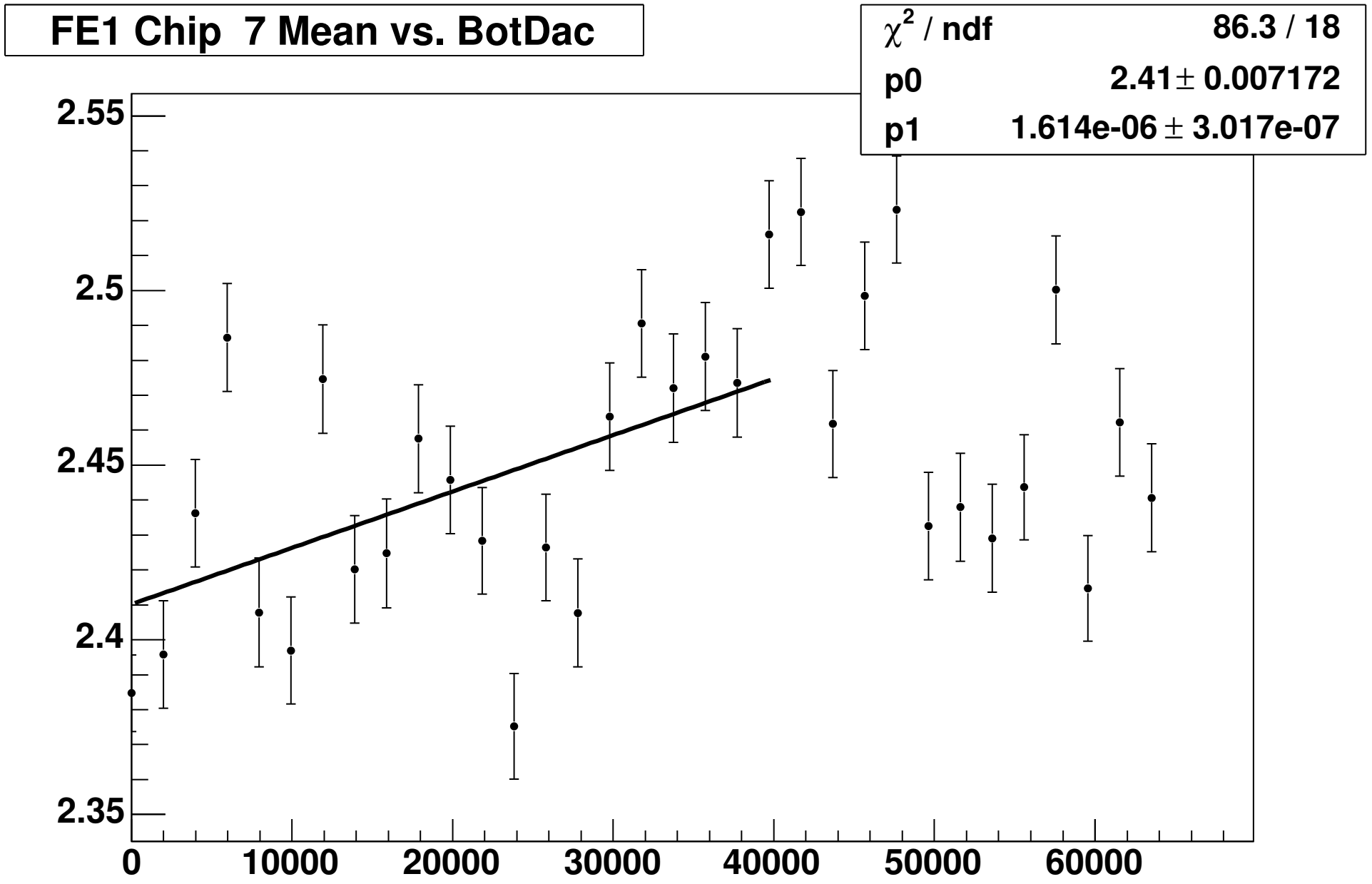
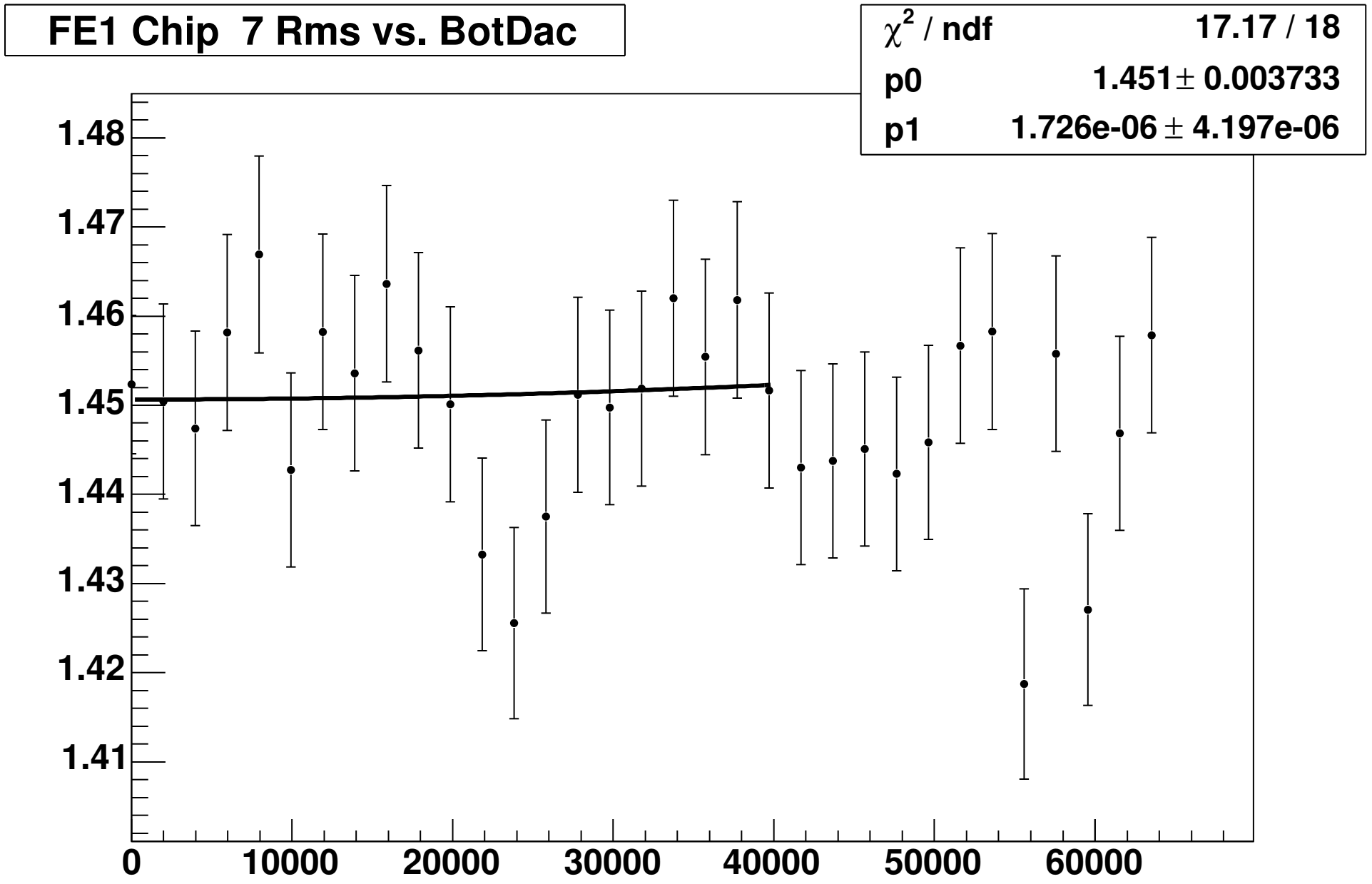
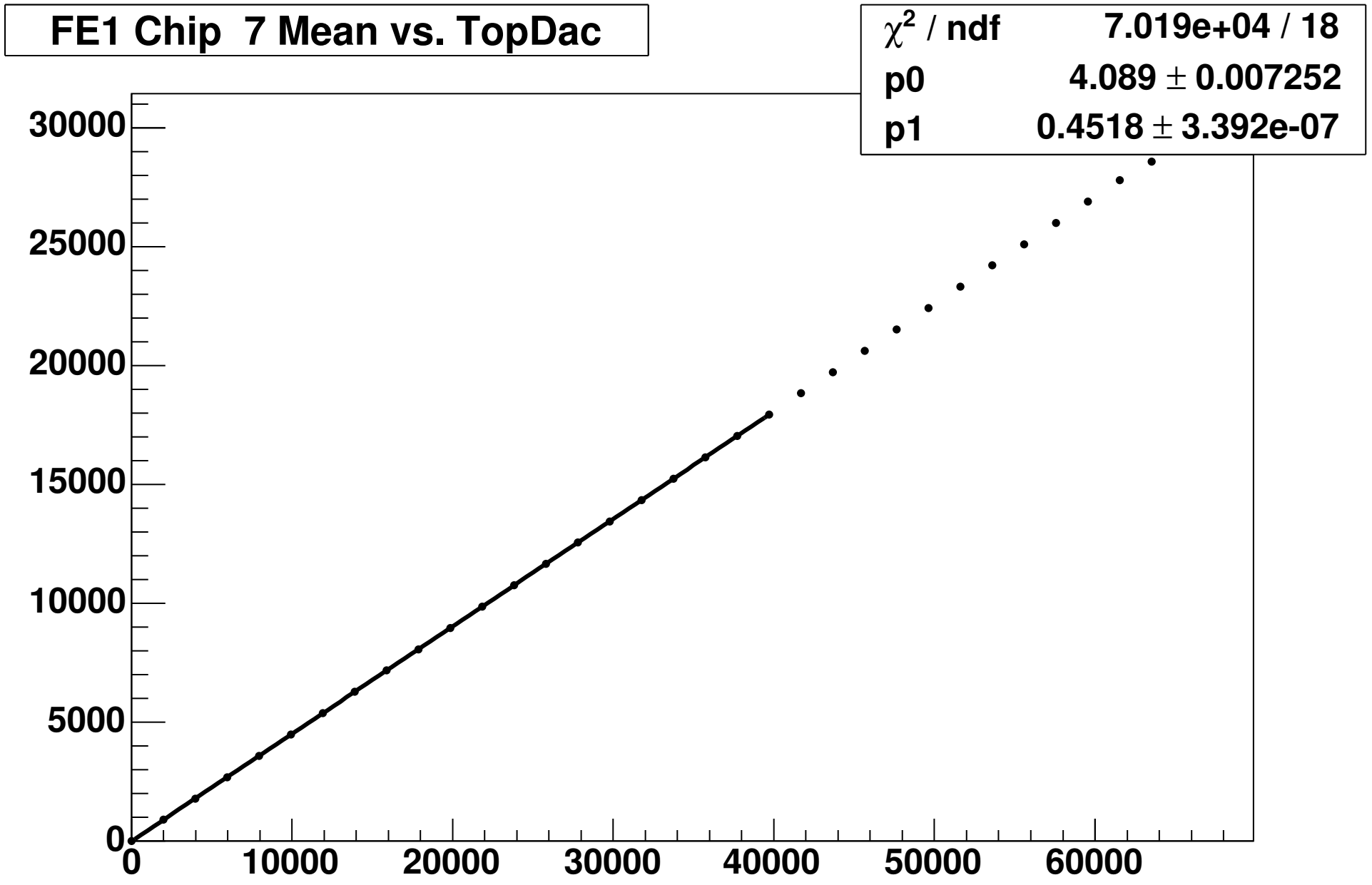
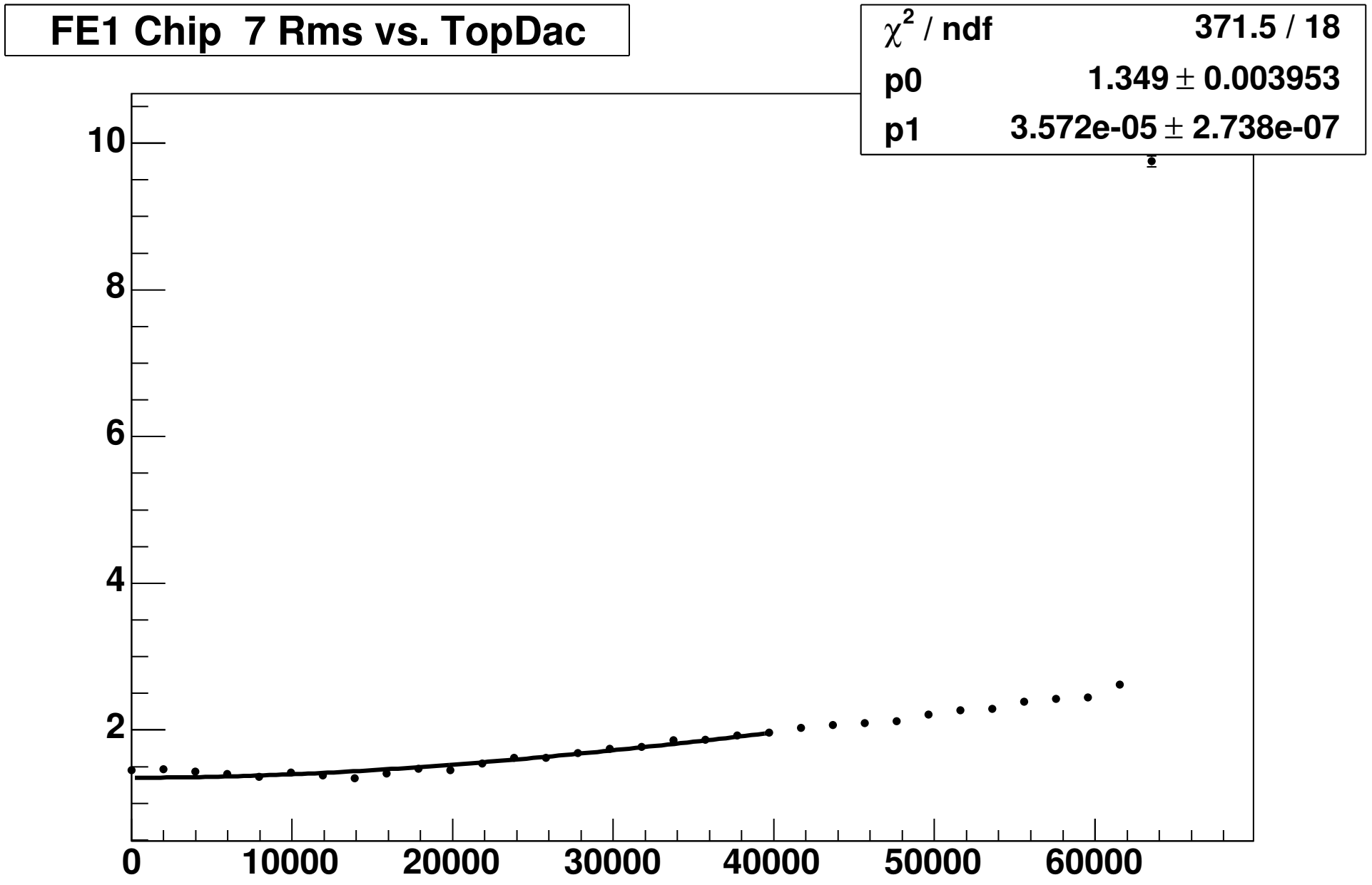

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 6.452e+04 / 18
p0 0.229 ± 0.007236
p1 0.4518 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

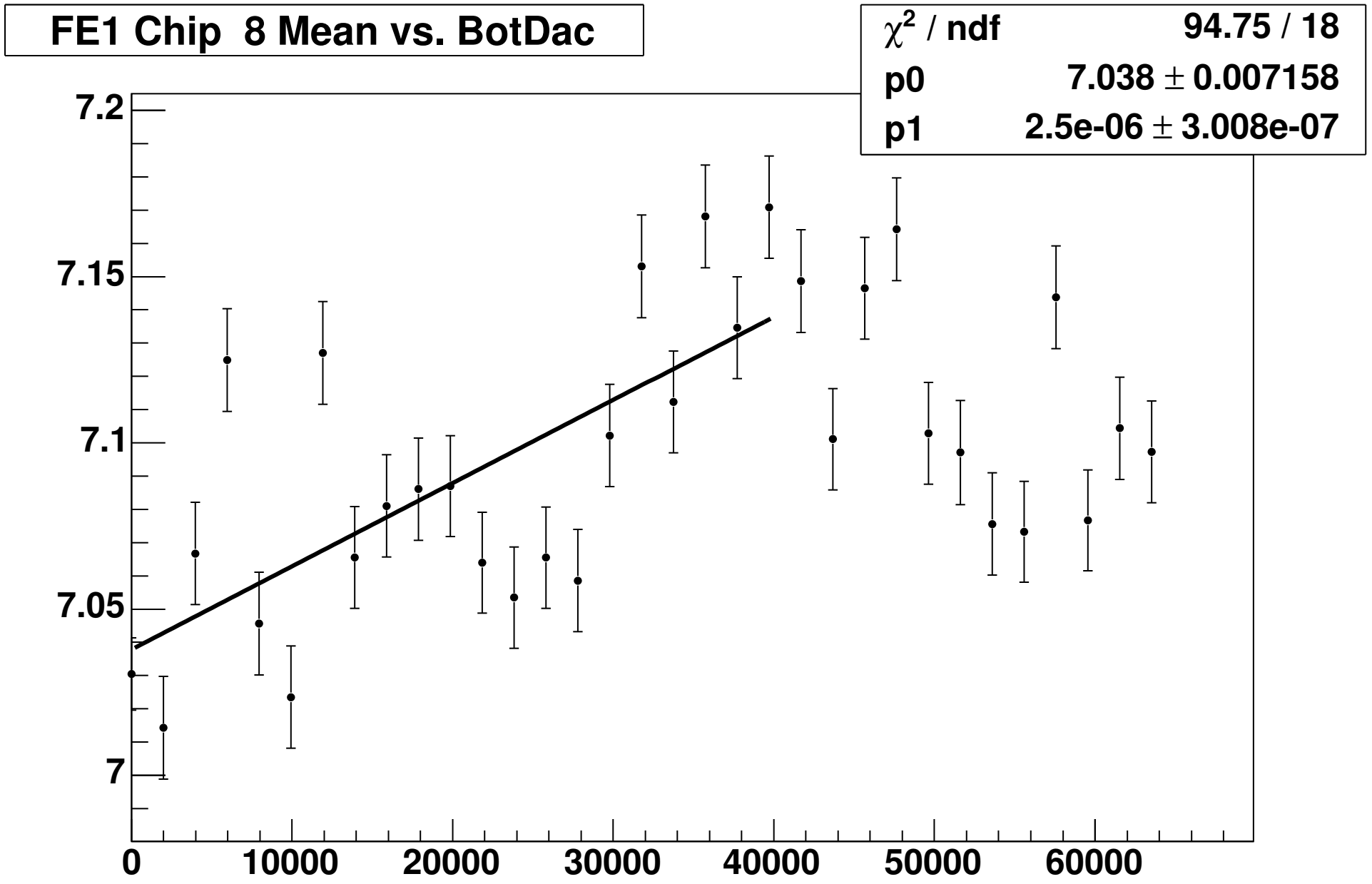

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 425.6 / 18
p0 1.349 ± 0.003924
p1 3.422e-05 ± 2.781e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

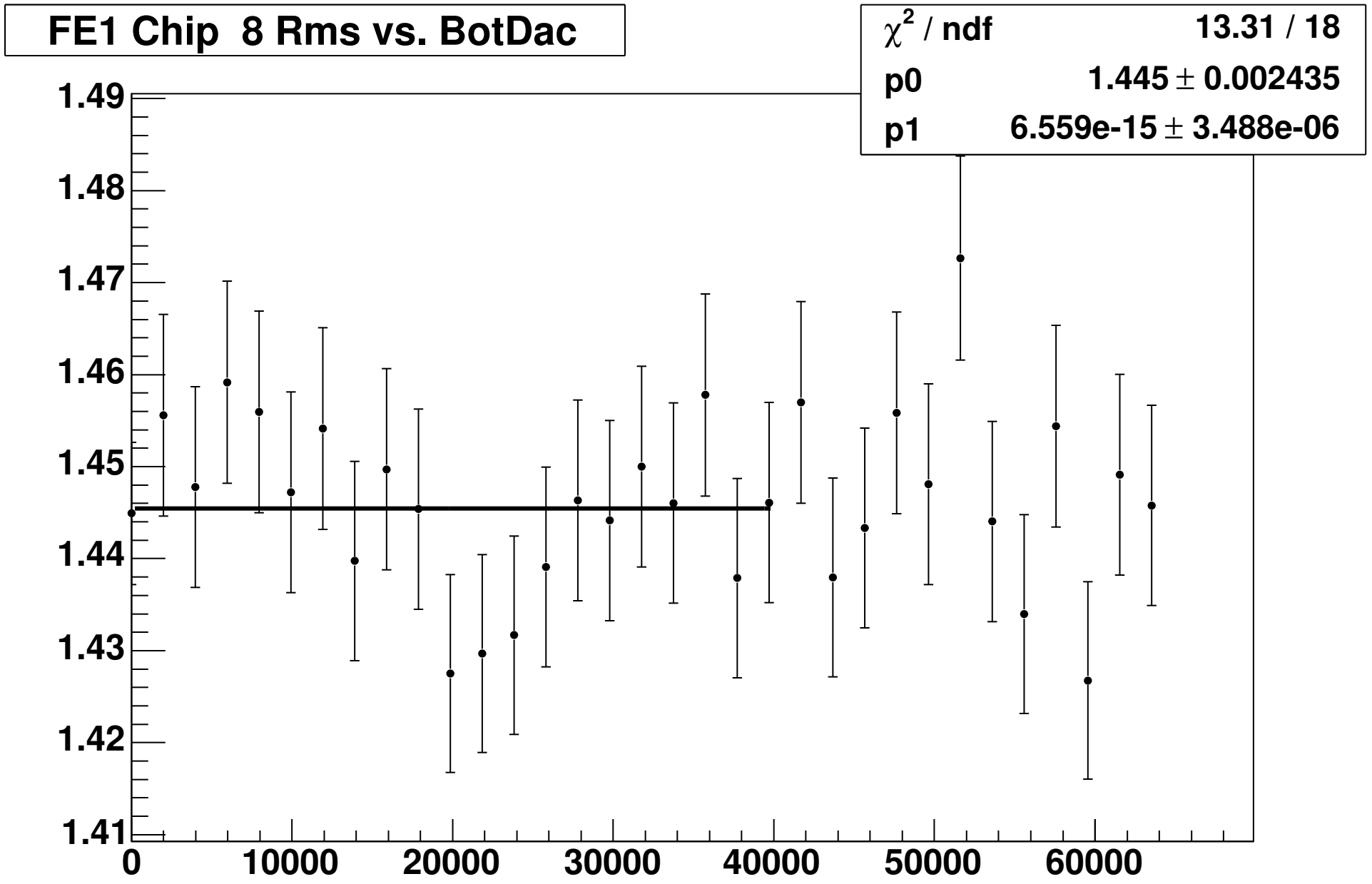

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 86.3 / 18
p0 2.41 ± 0.007172
p1 1.614e-06 ± 3.017e-07
2.55
2.5
2.45
2.4
2.35
0
10000
20000
30000
40000
50000
60000

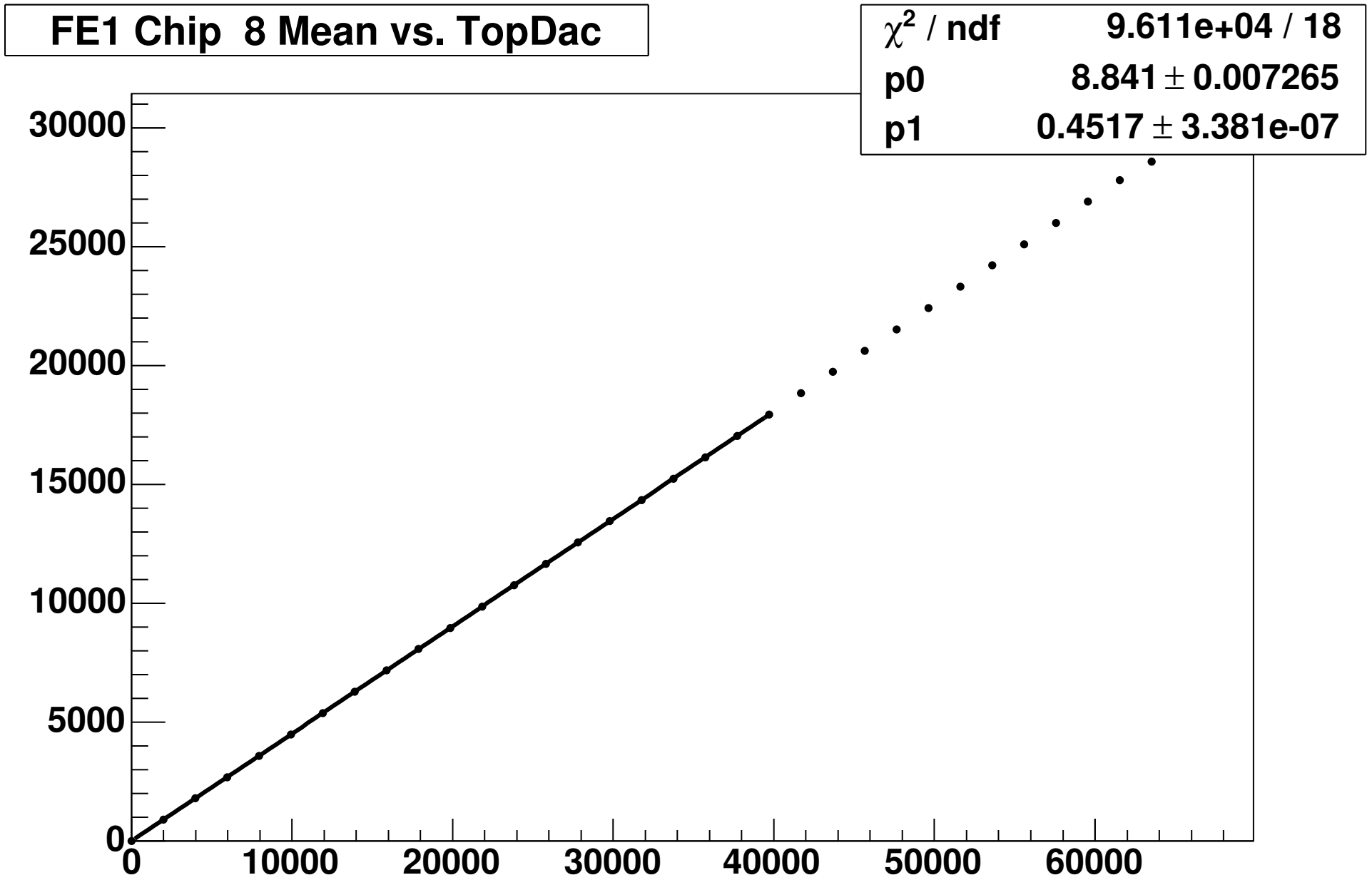

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 17.17 / 18
p0 1.451 ± 0.003733
p1 1.726e-06 ± 4.197e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

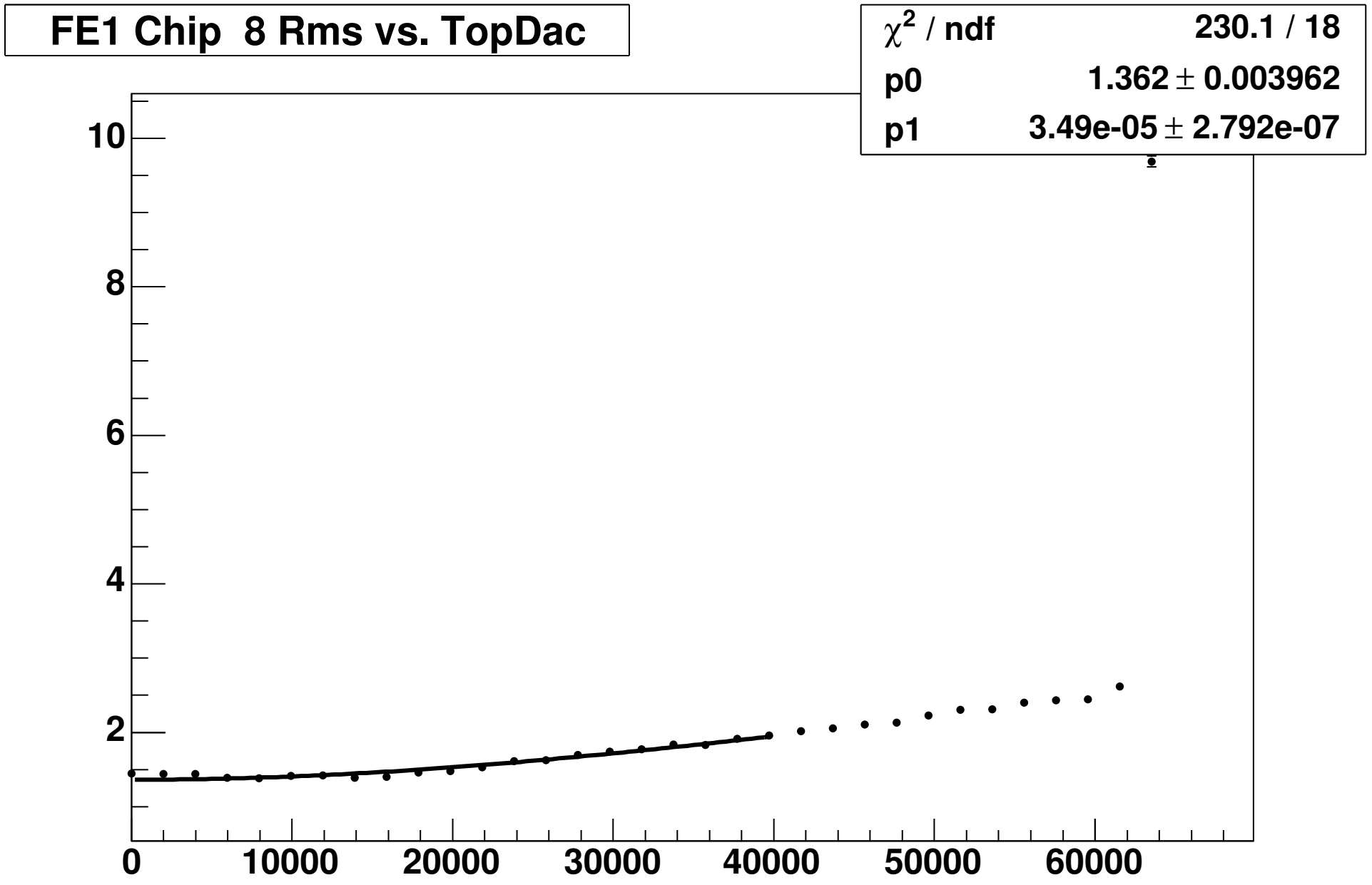

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 7.019e+04 / 18
p0 4.089 ± 0.007252
p1 0.4518 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

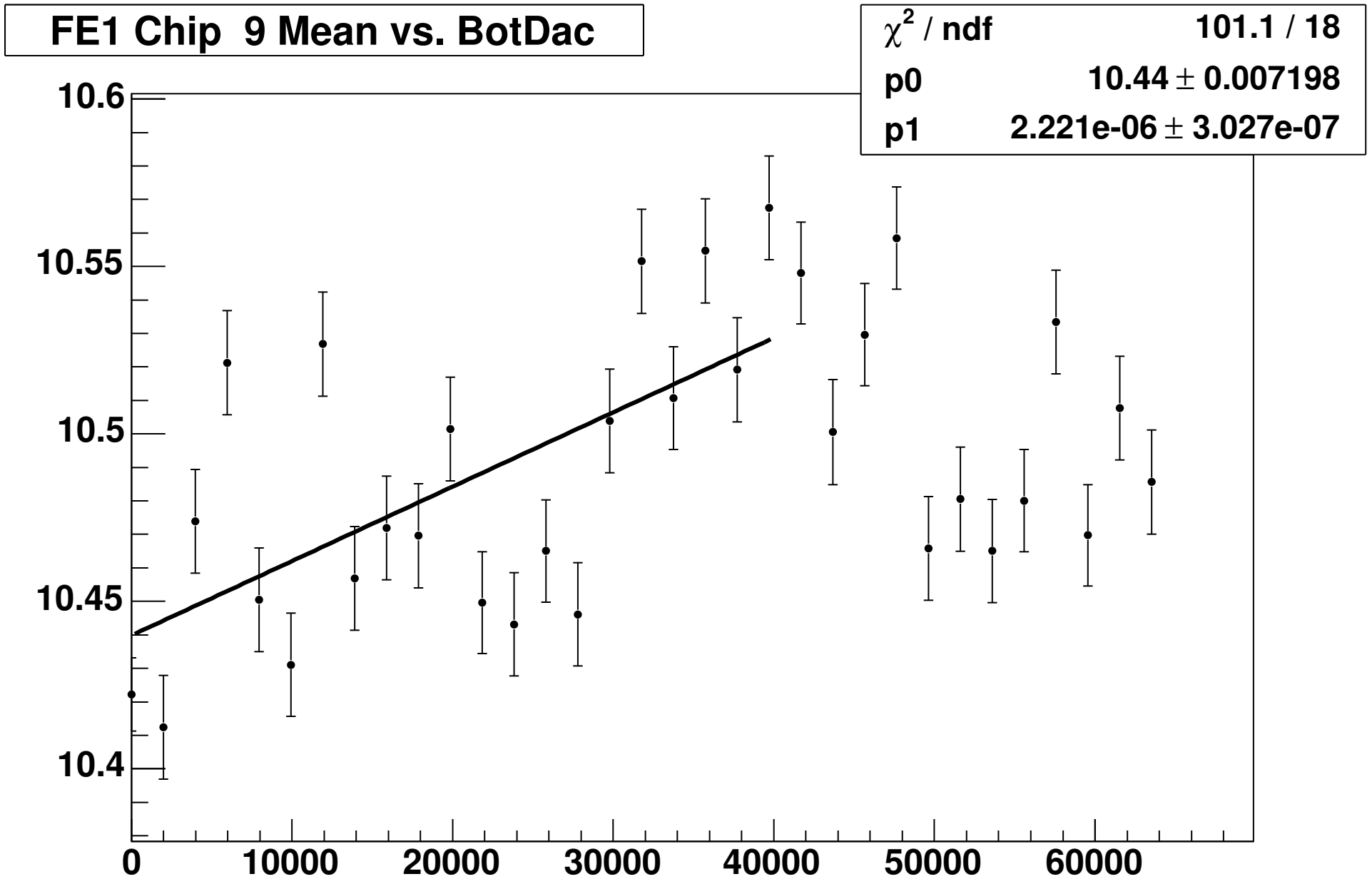

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 371.5 / 18
p0 1.349 ± 0.003953
p1 3.572e-05 ± 2.738e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

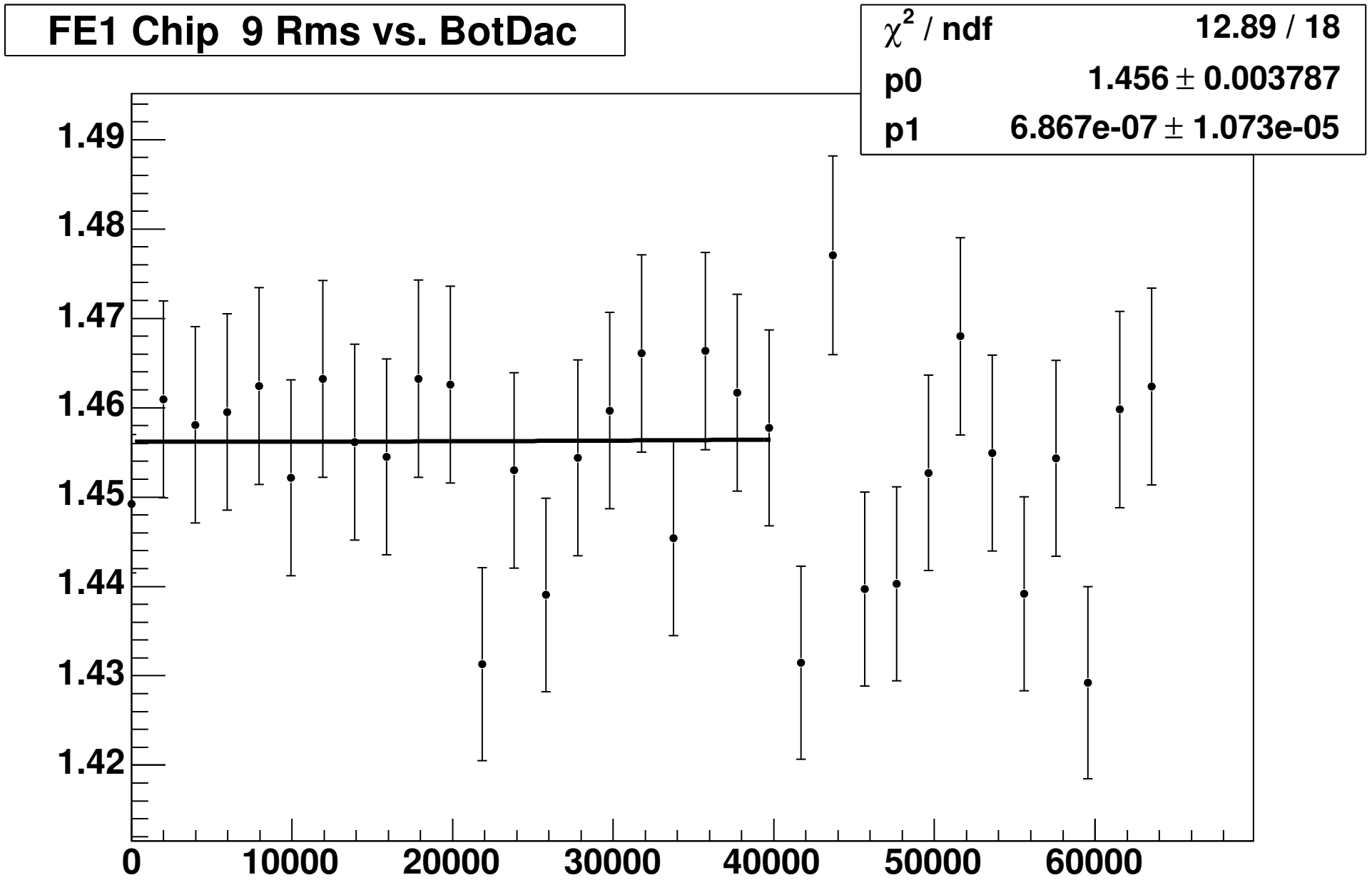

FE1 Chip 8 Mean vs. BotDac
χ^2 / ndf 94.75 / 18
p0 7.038 ± 0.007158
p1 2.5e-06 ± 3.008e-07
7.2
7.15
7.1
7.05
7
0
10000
20000
30000
40000
50000
60000

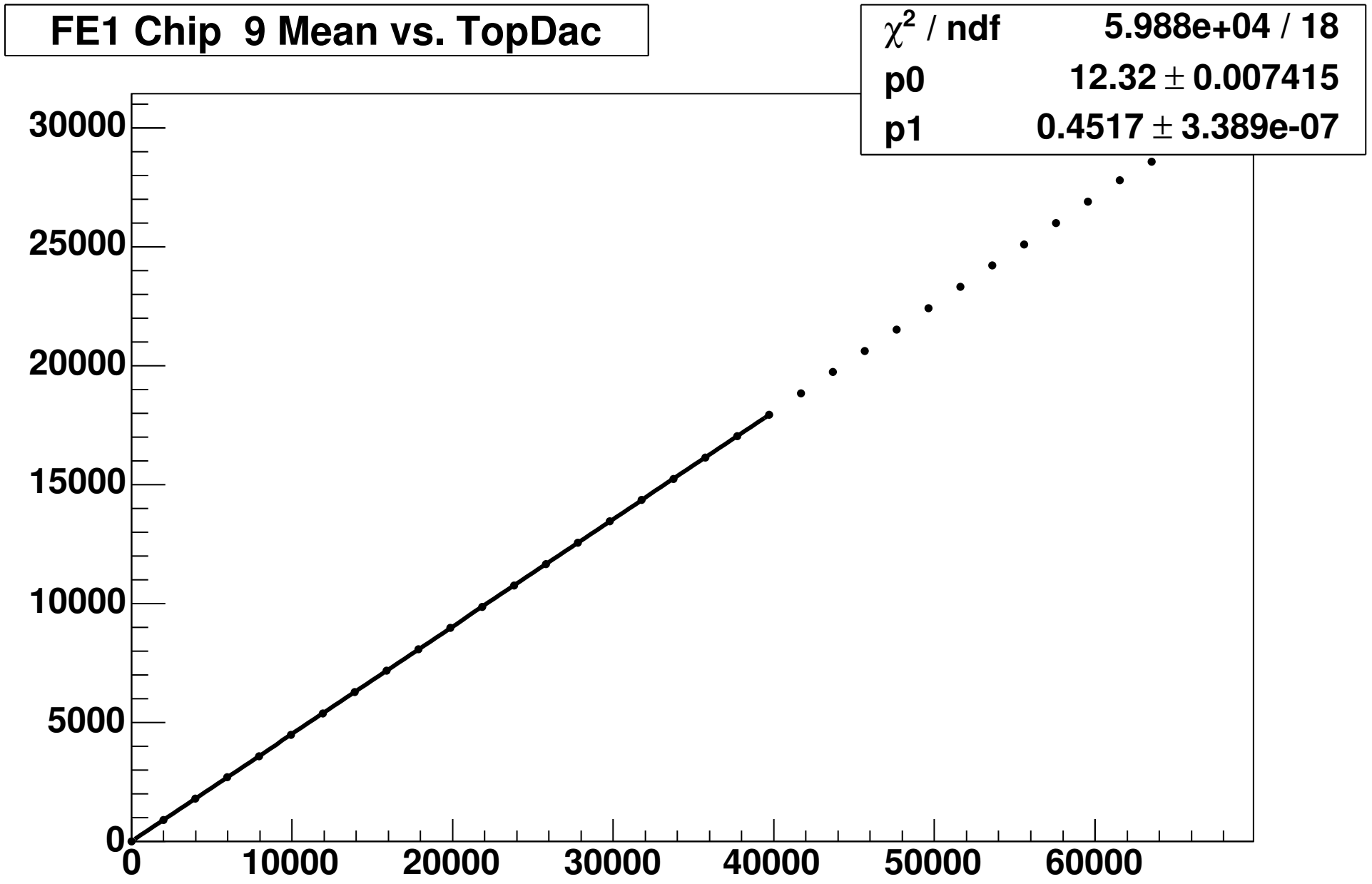

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 13.31 / 18
p0 1.445 ± 0.002435
p1 6.559e-15 ± 3.488e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

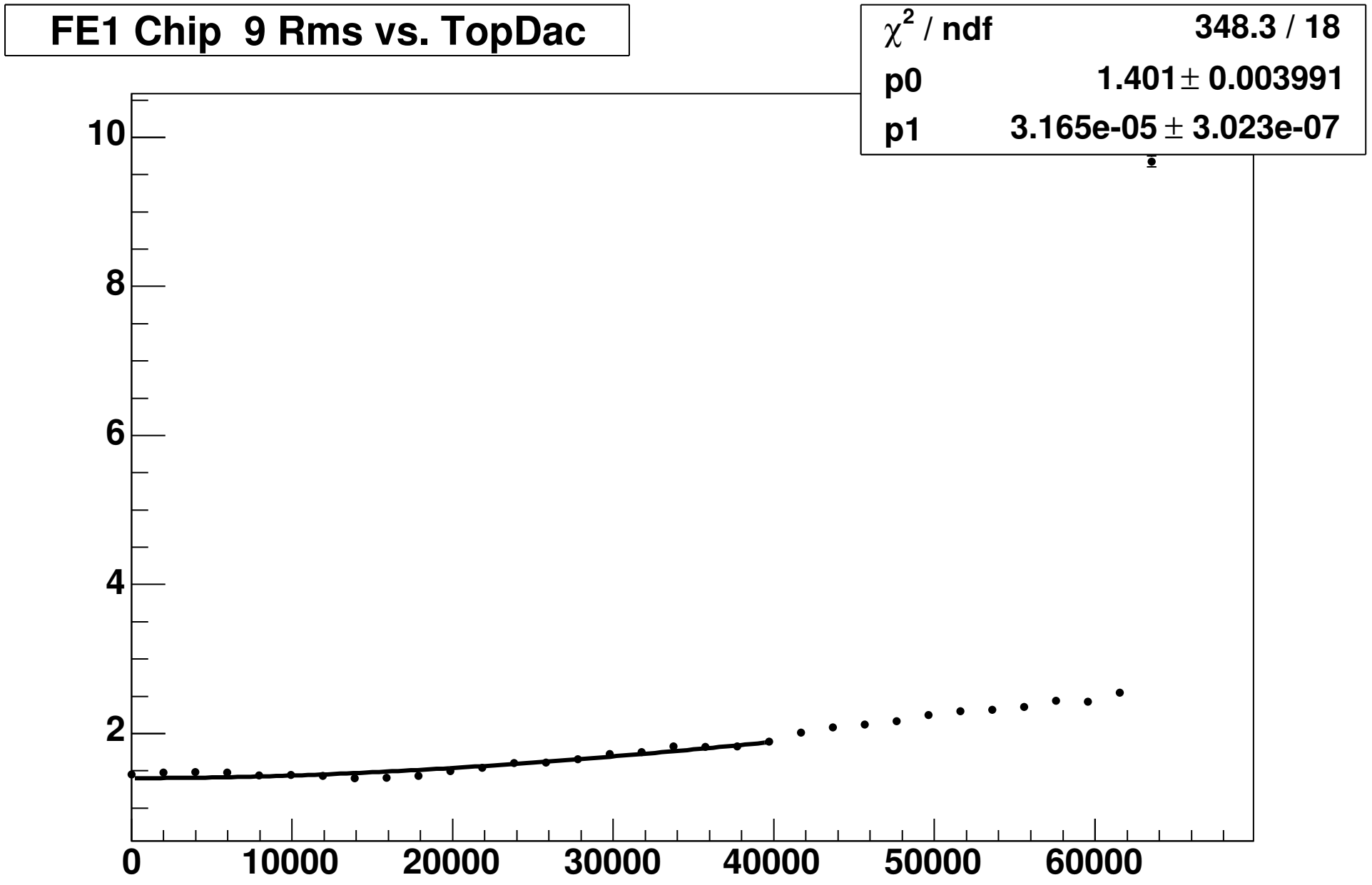

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 9.611e+04 / 18
p0 8.841 ± 0.007265
p1 0.4517 ± 3.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

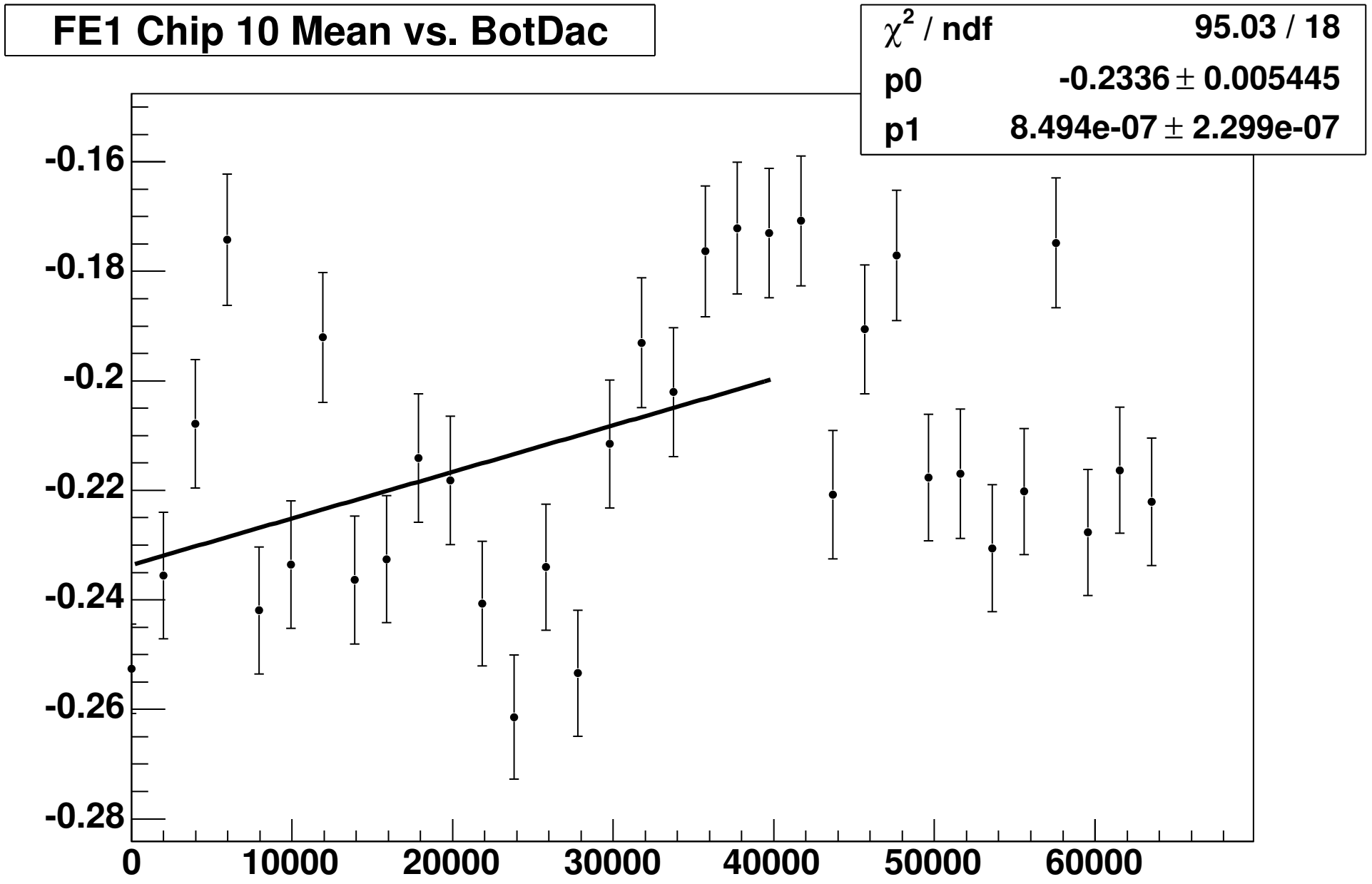

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 230.1 / 18
p0 1.362 ± 0.003962
p1 3.49e-05 ± 2.792e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

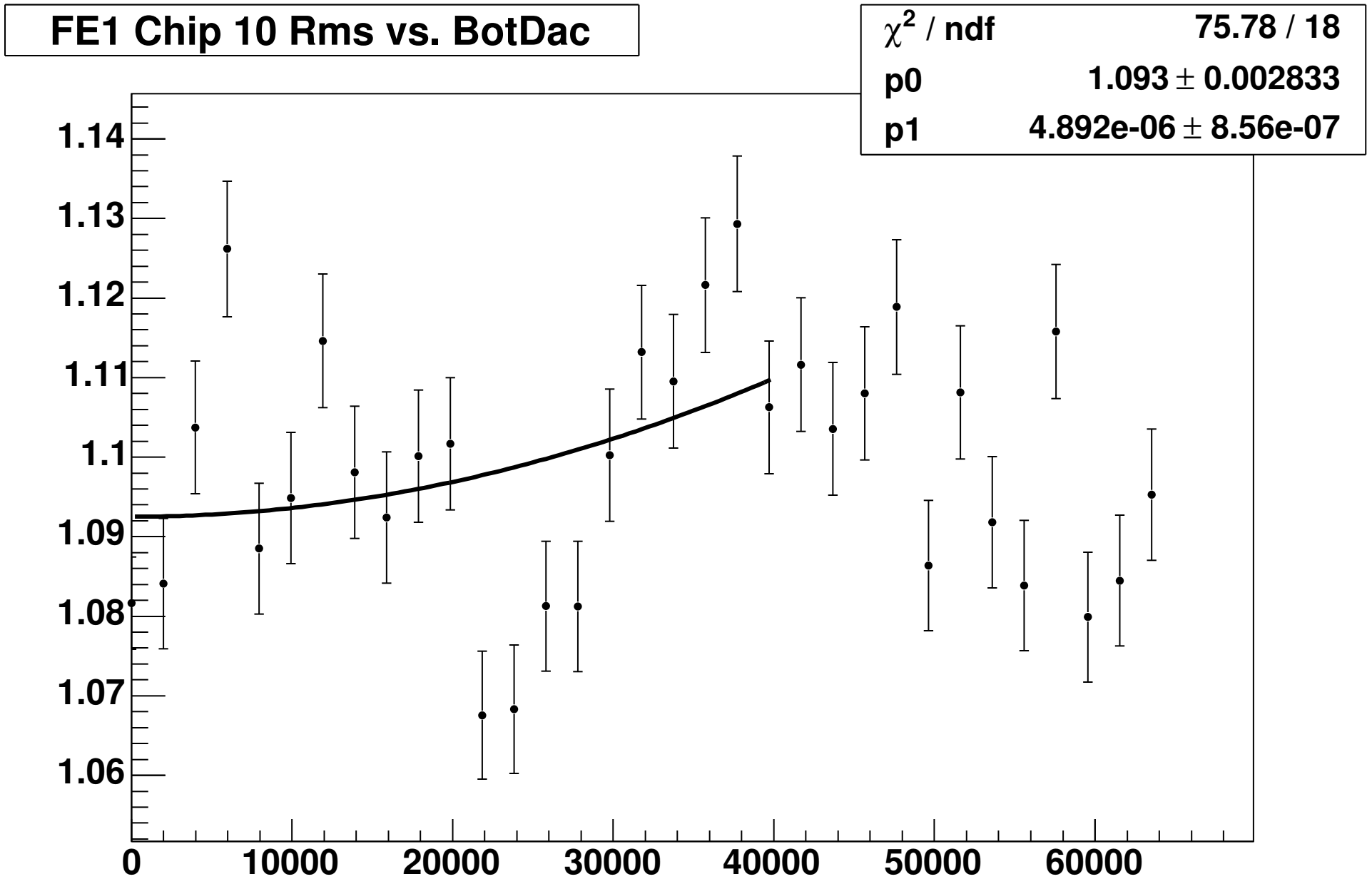

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 101.1 / 18
p0 10.44 ± 0.007198
p1 2.221e-06 ± 3.027e-07
10.6
10.55
10.5
10.45
10.4
0
10000
20000
30000
40000
50000
60000

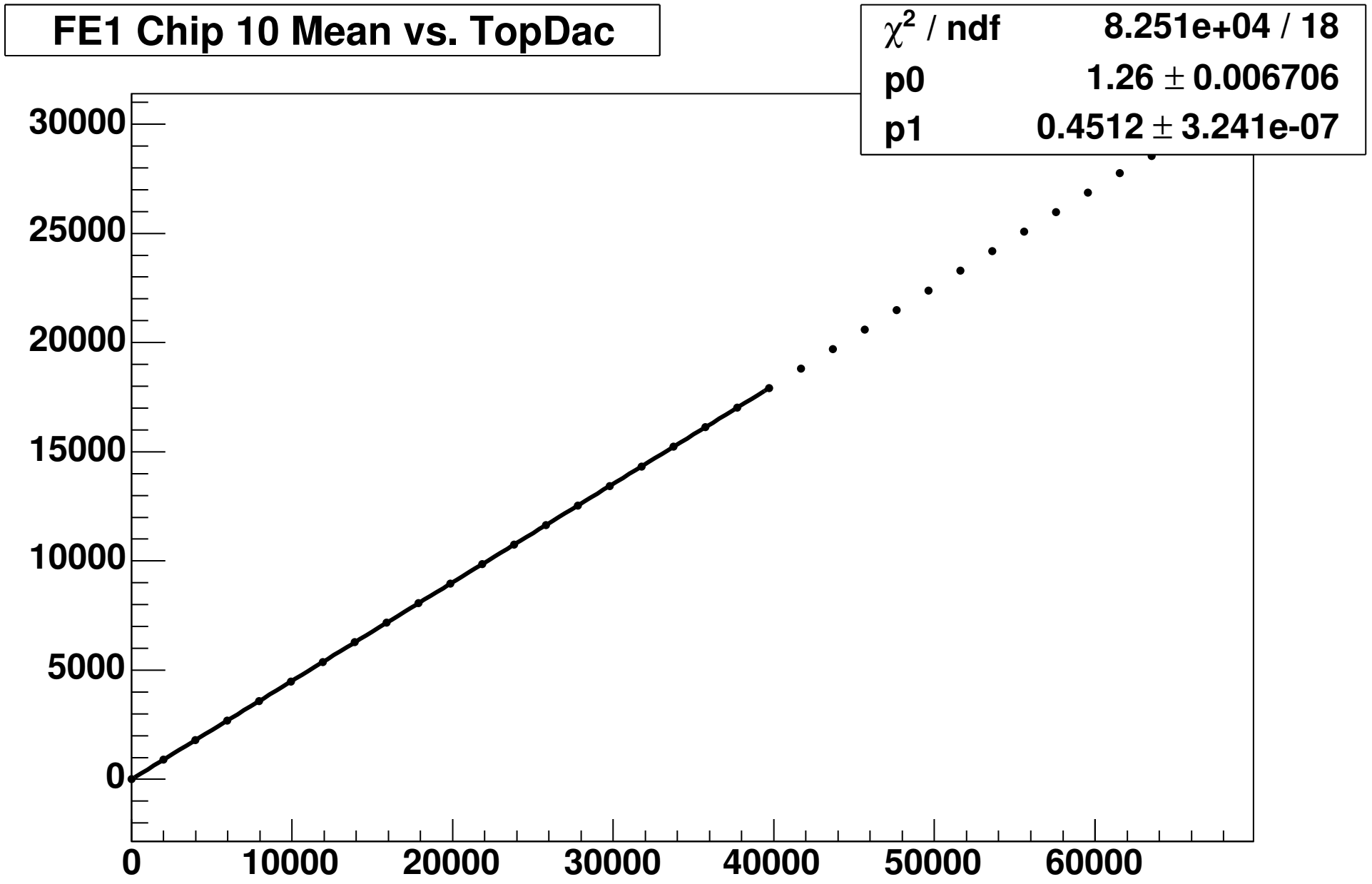

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 12.89 / 18
p0 1.456 ± 0.003787
p1 6.867e-07 ± 1.073e-05
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

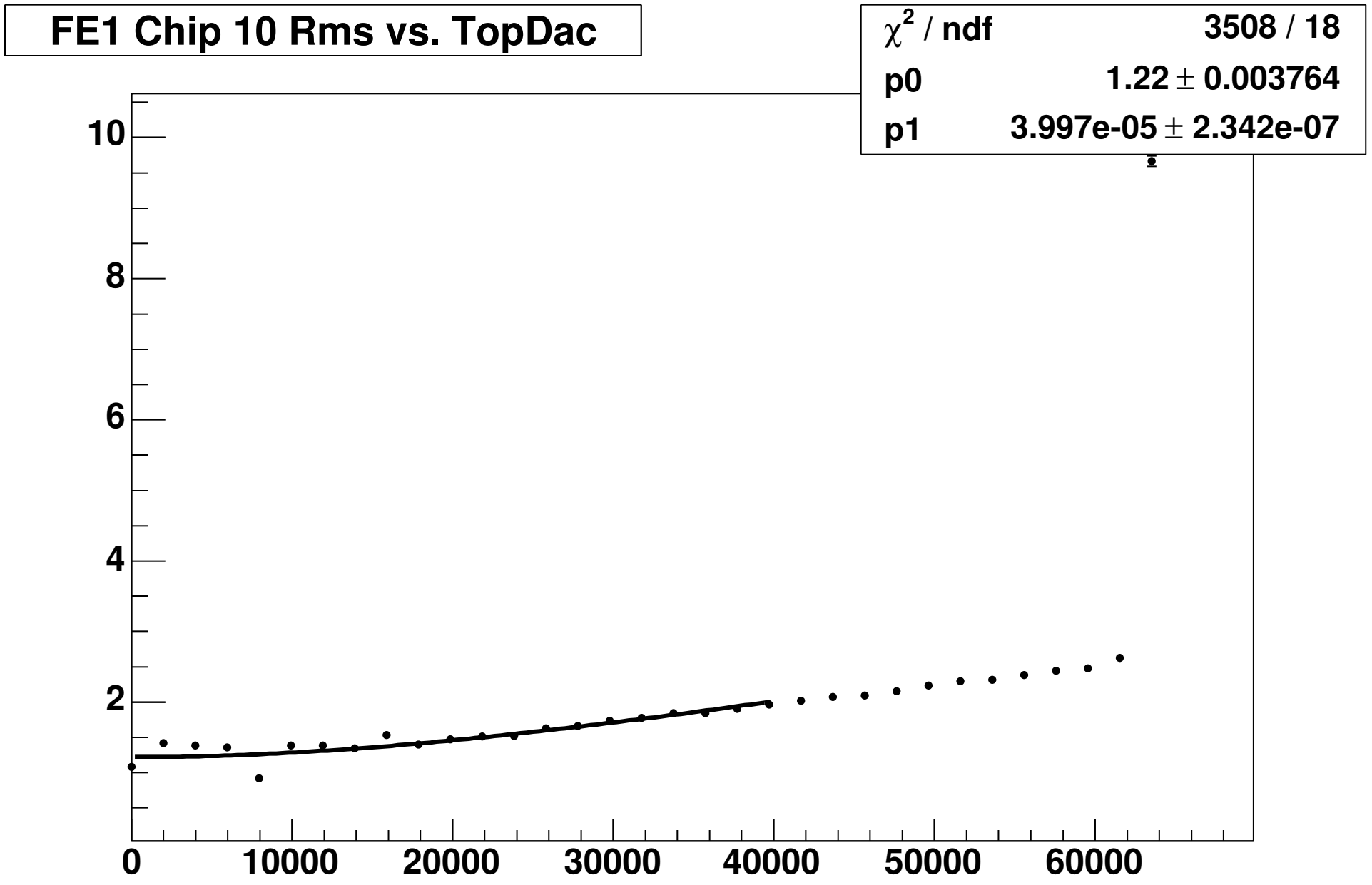

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 5.988e+04 / 18
p0 12.32 ± 0.007415
p1 0.4517 ± 3.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

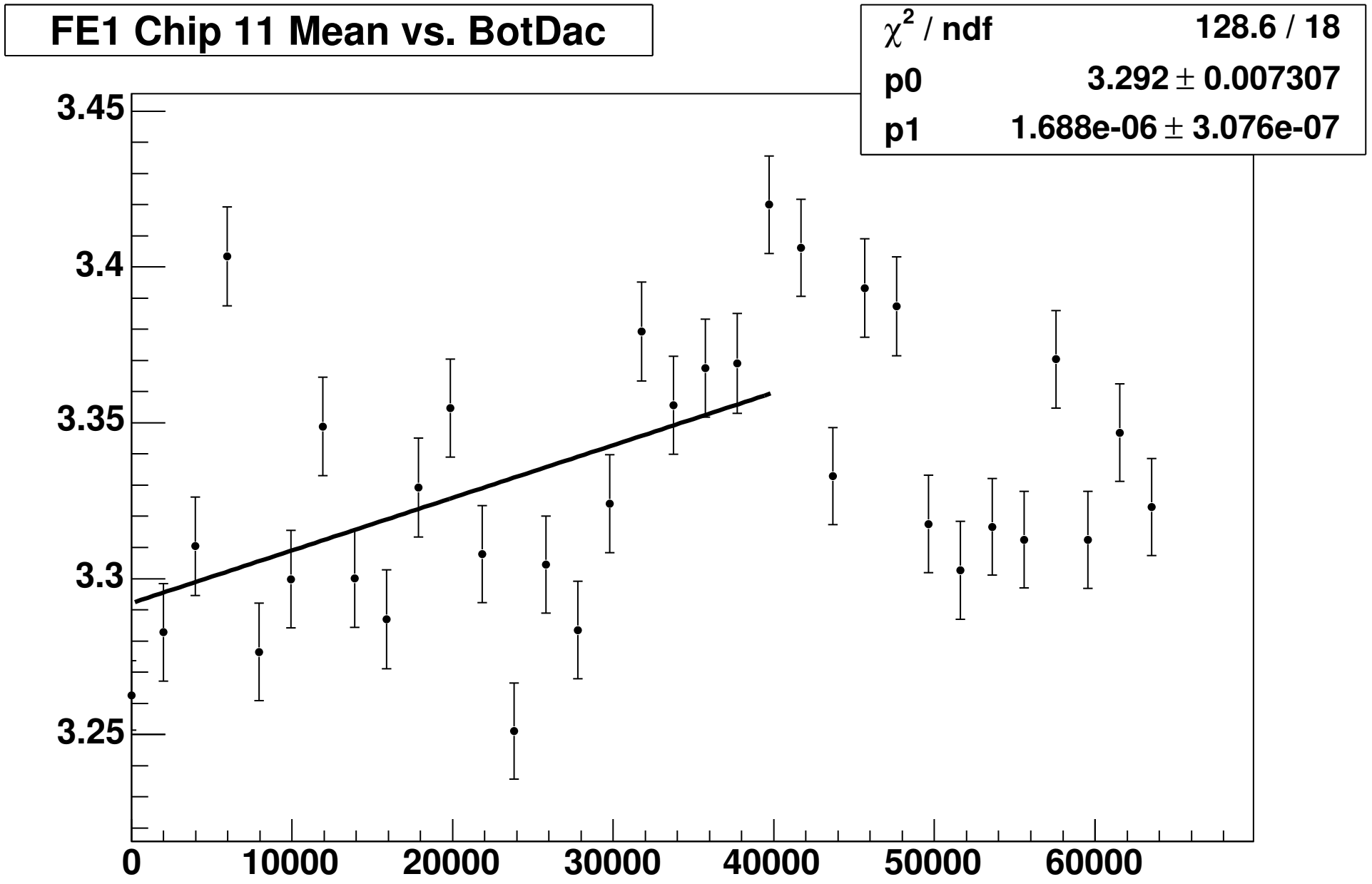

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 348.3 / 18
p0 1.401 ± 0.003991
p1 3.165e-05 ± 3.023e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

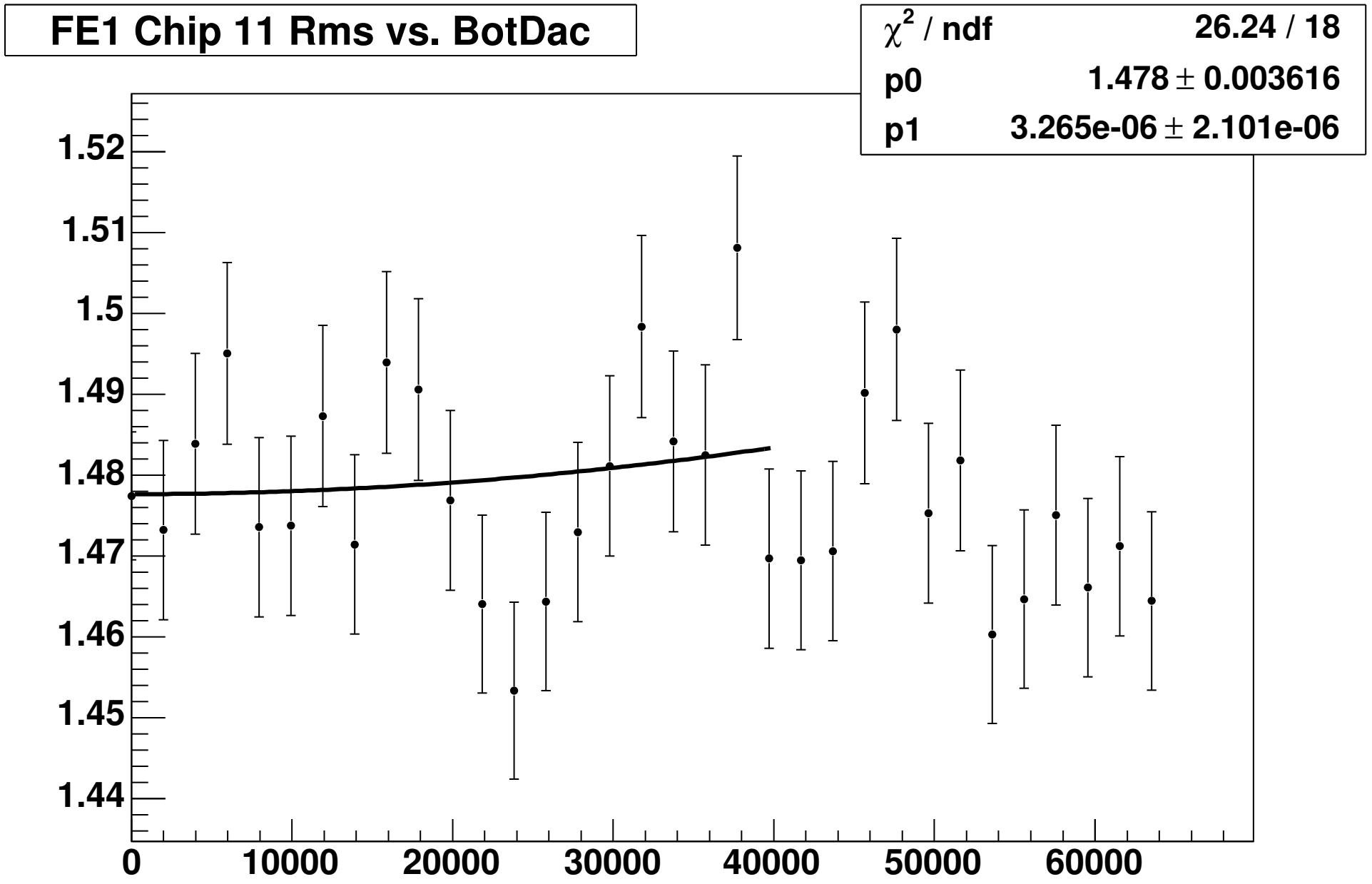

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 95.03 / 18
p0 -0.2336 ± 0.005445
p1 8.494e-07 ± 2.299e-07
-0.16
-0.18
-0.2
-0.22
-0.24
-0.26
-0.28
0
10000
20000
30000
40000
50000
60000

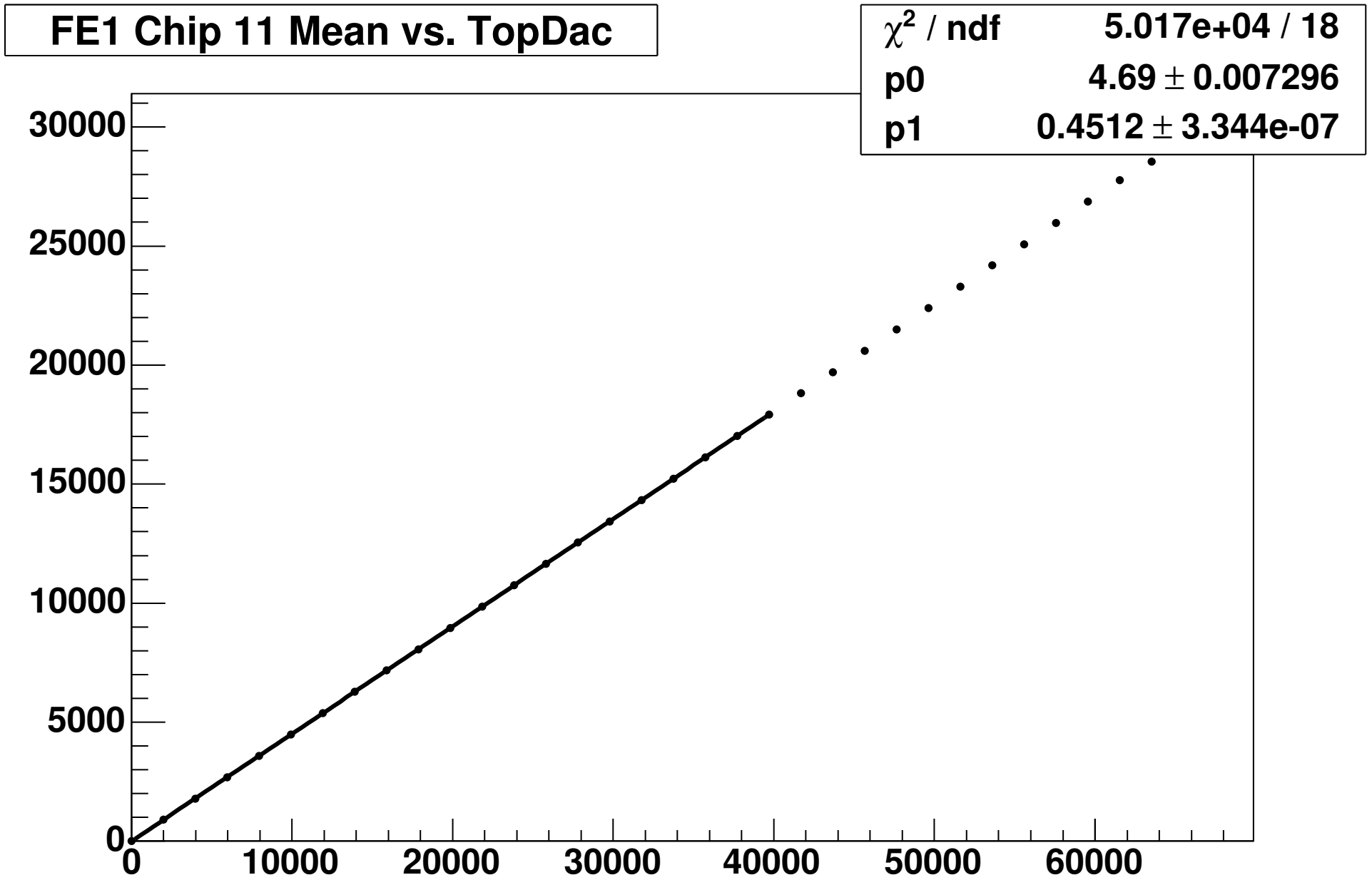

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 75.78 / 18
p0 1.093 ± 0.002833
p1 4.892e-06 ± 8.56e-07
1.14
1.13
1.12
1.11
1.1
1.09
1.08
1.07
1.06
0
10000
20000
30000
40000
50000
60000

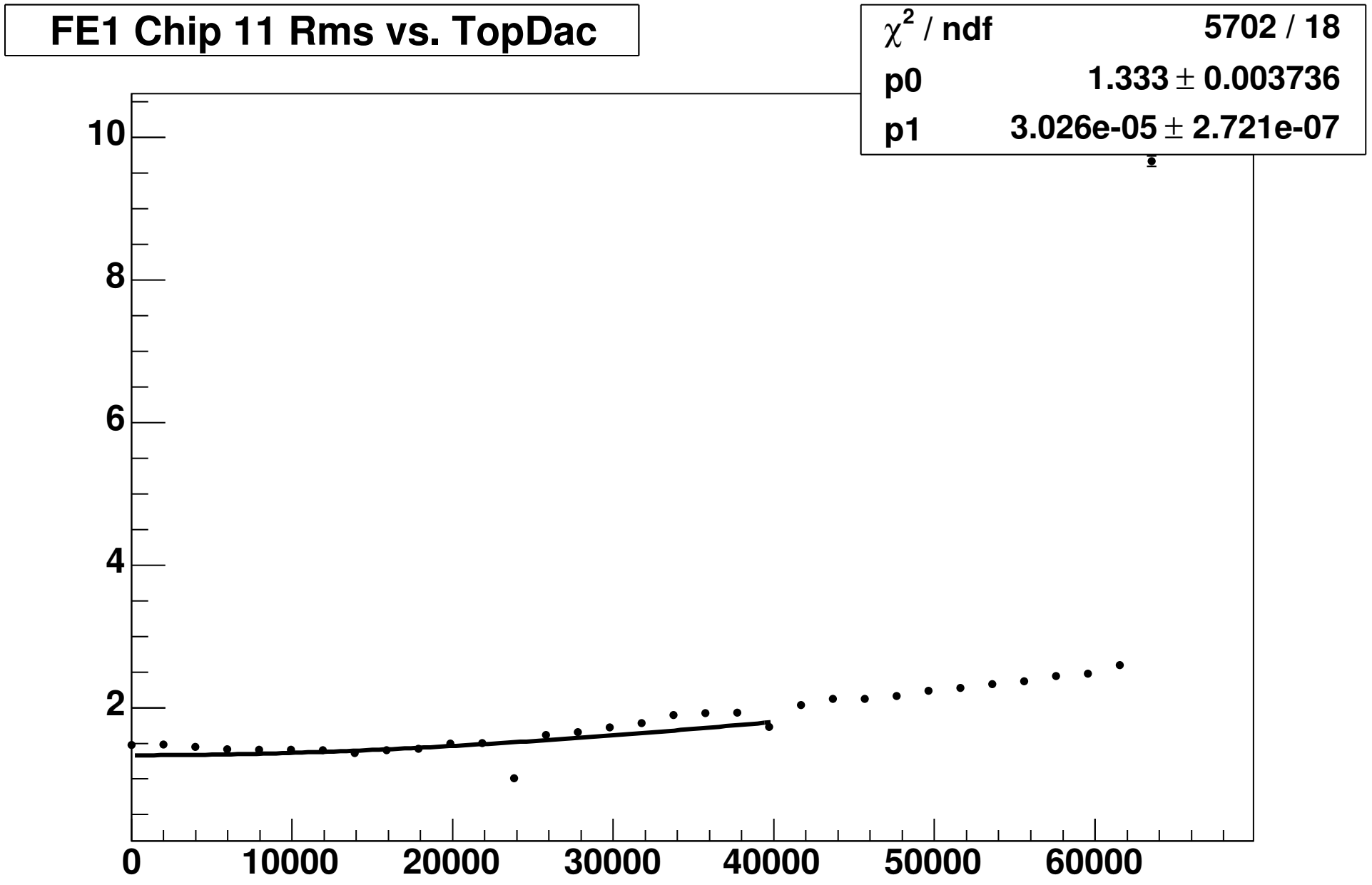

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.251e+04 / 18
p0 1.26 ± 0.006706
p1 0.4512 ± 3.241e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

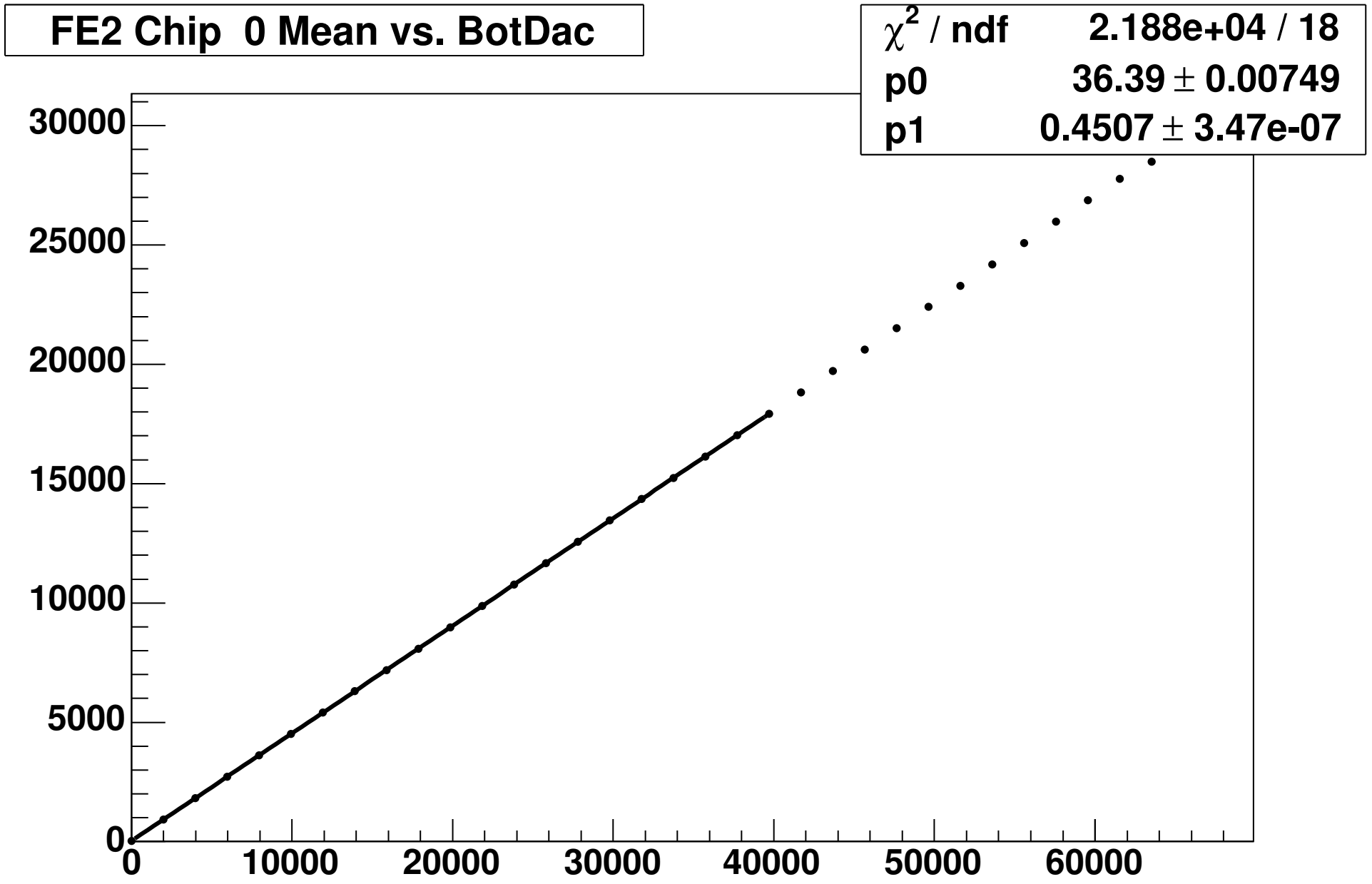

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 3508 / 18
p0 1.22 ± 0.003764
p1 3.997e-05 ± 2.342e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

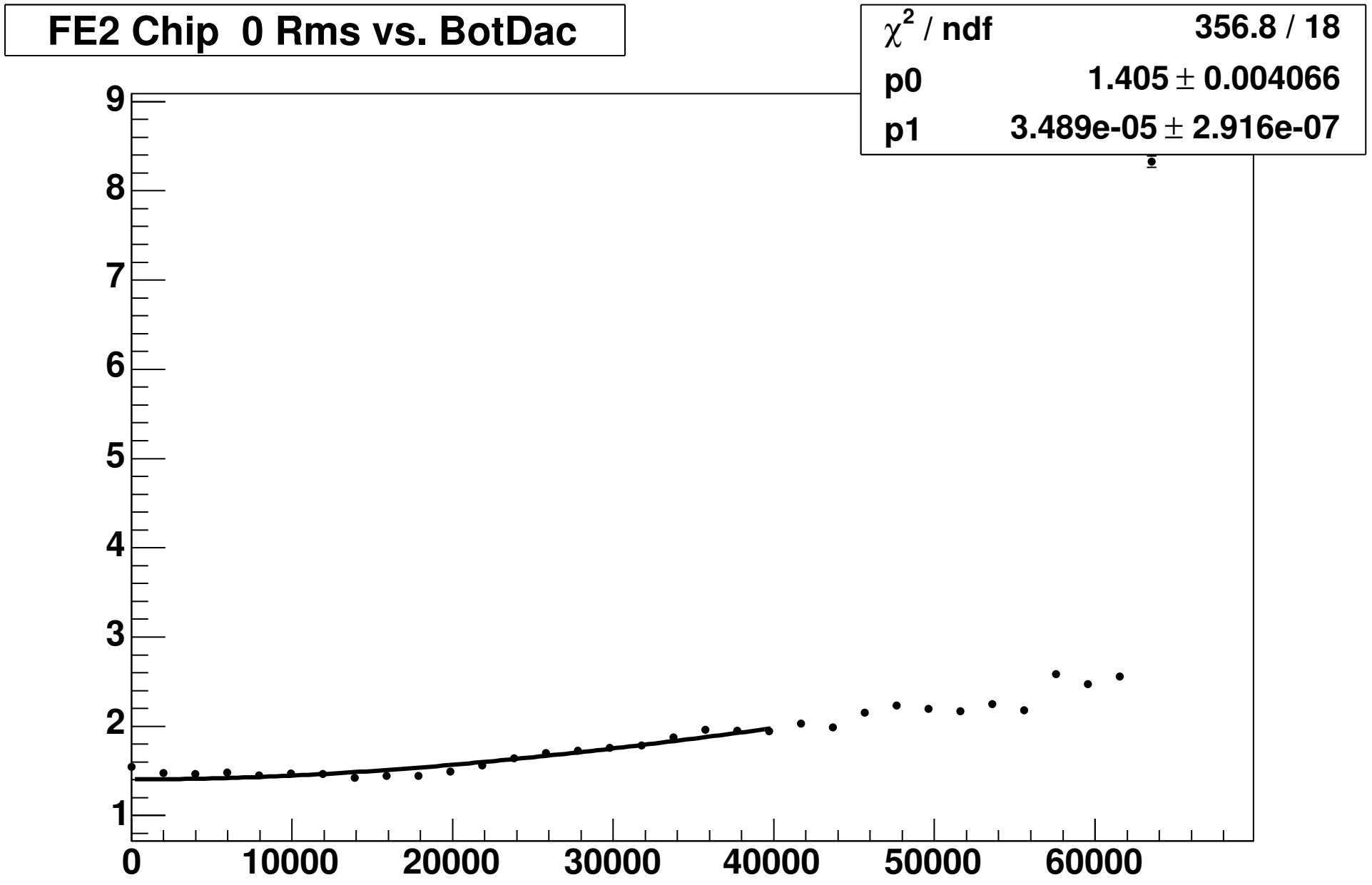

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 128.6 / 18
p0 3.292 ± 0.007307
p1 1.688e-06 ± 3.076e-07
3.45
3.4
3.35
3.3
3.25
0
10000
20000
30000
40000
50000
60000

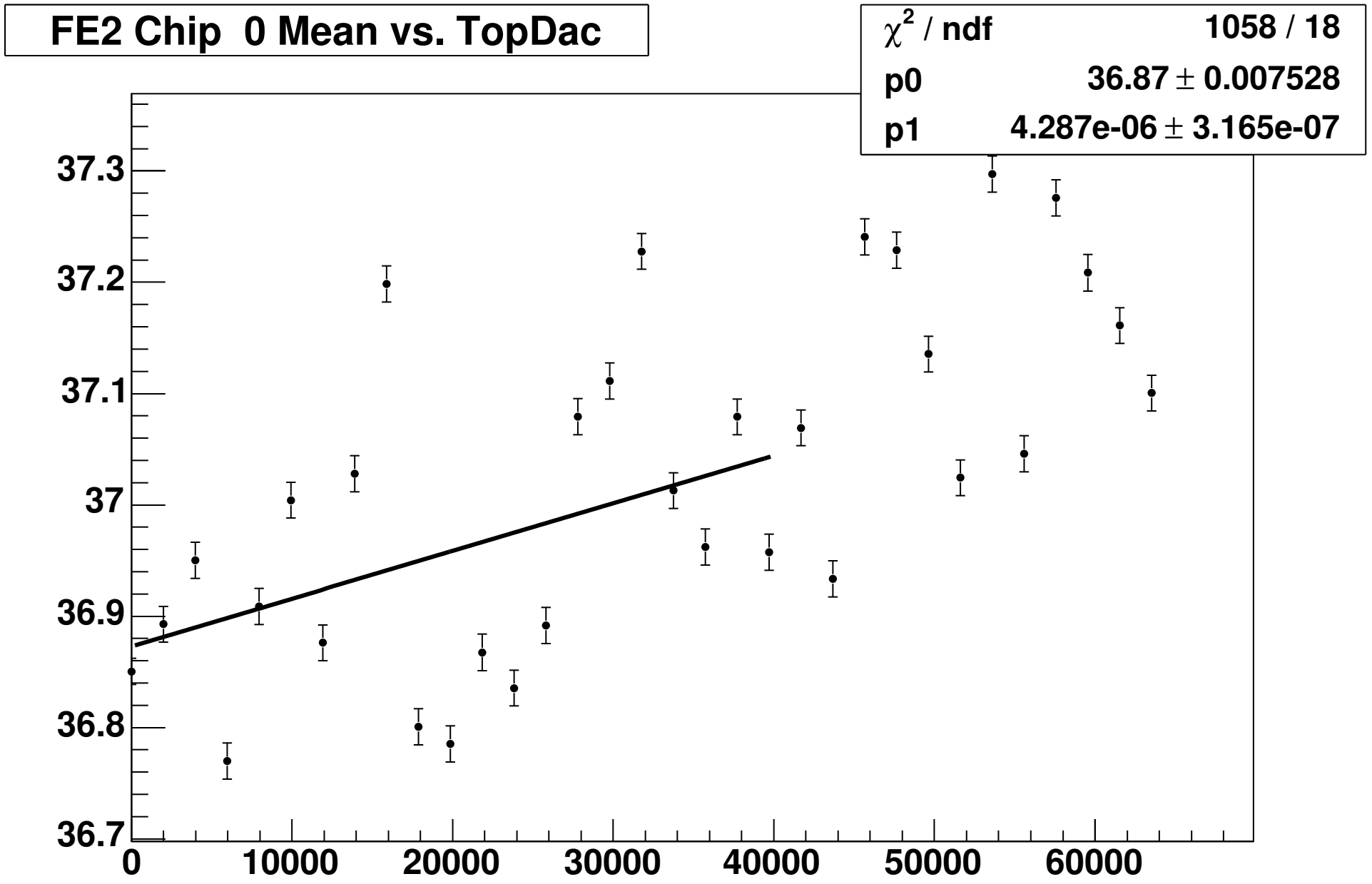

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 26.24 / 18
p0 1.478 ± 0.003616
p1 3.265e-06 ± 2.101e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

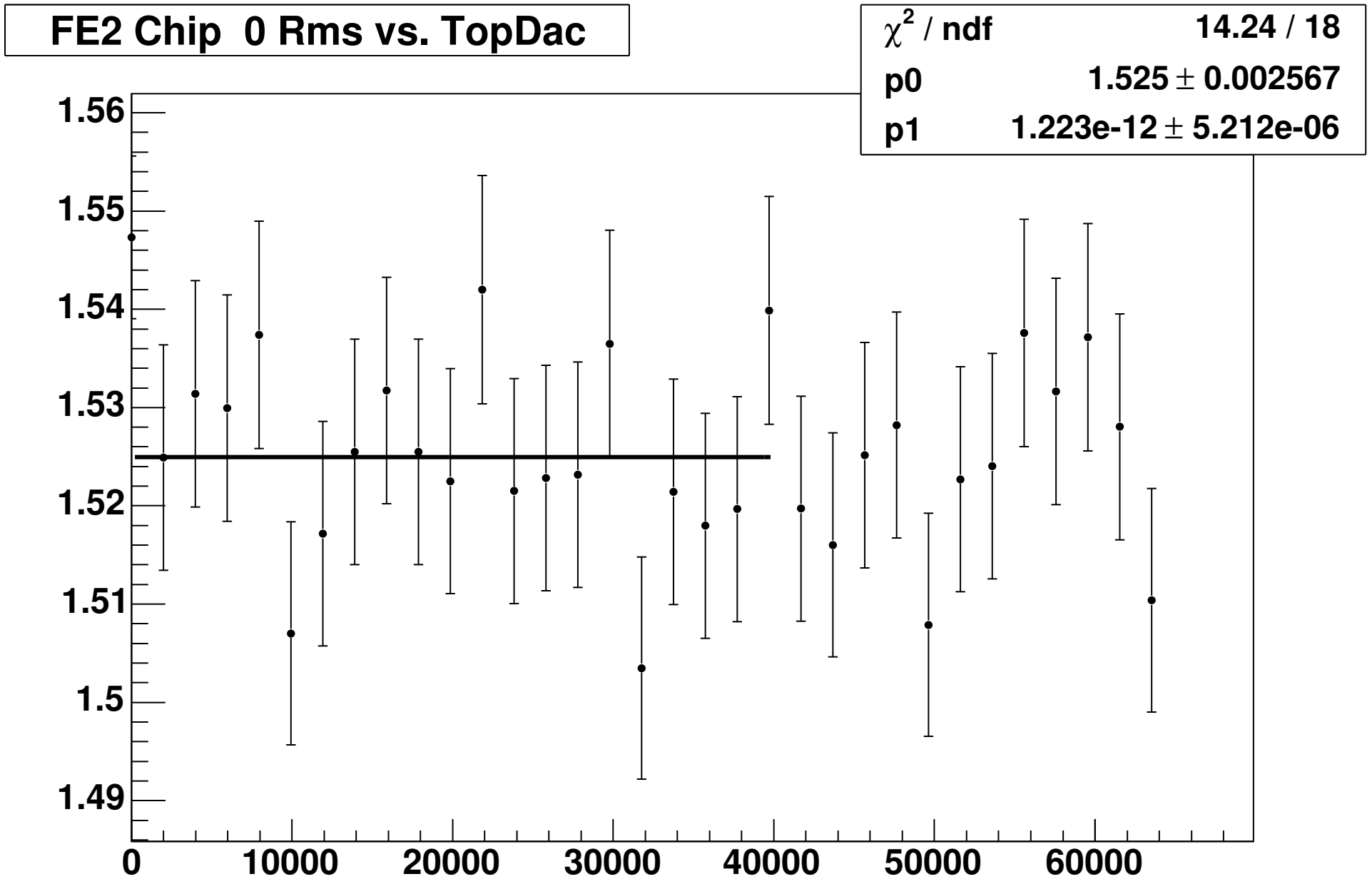

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 5.017e+04 / 18
p0 4.69 ± 0.007296
p1 0.4512 ± 3.344e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

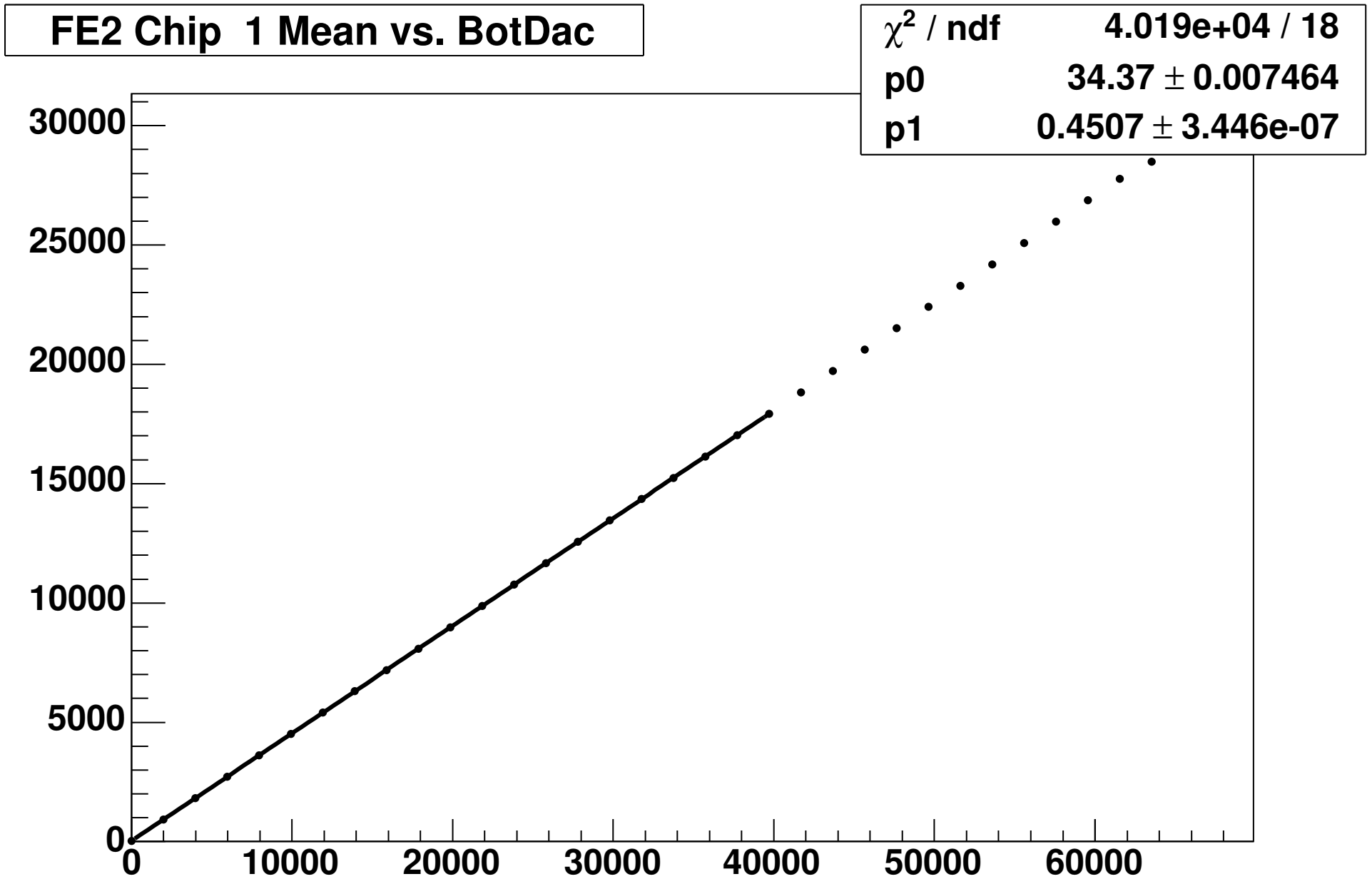

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 5702 / 18
p0 1.333 ± 0.003736
p1 3.026e-05 ± 2.721e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 2.188e+04 / 18
p0 36.39 ± 0.00749
p1 0.4507 ± 3.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 356.8 / 18
p0 1.405 ± 0.004066
p1 3.489e-05 ± 2.916e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1058 / 18
p0 36.87 ± 0.007528
p1 4.287e-06 ± 3.165e-07
37.3
37.2
37.1
37
36.9
36.8
36.7
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 14.24 / 18
p0 1.525 ± 0.002567
p1 1.223e-12 ± 5.212e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 4.019e+04 / 18
p0 34.37 ± 0.007464
p1 0.4507 ± 3.446e-07
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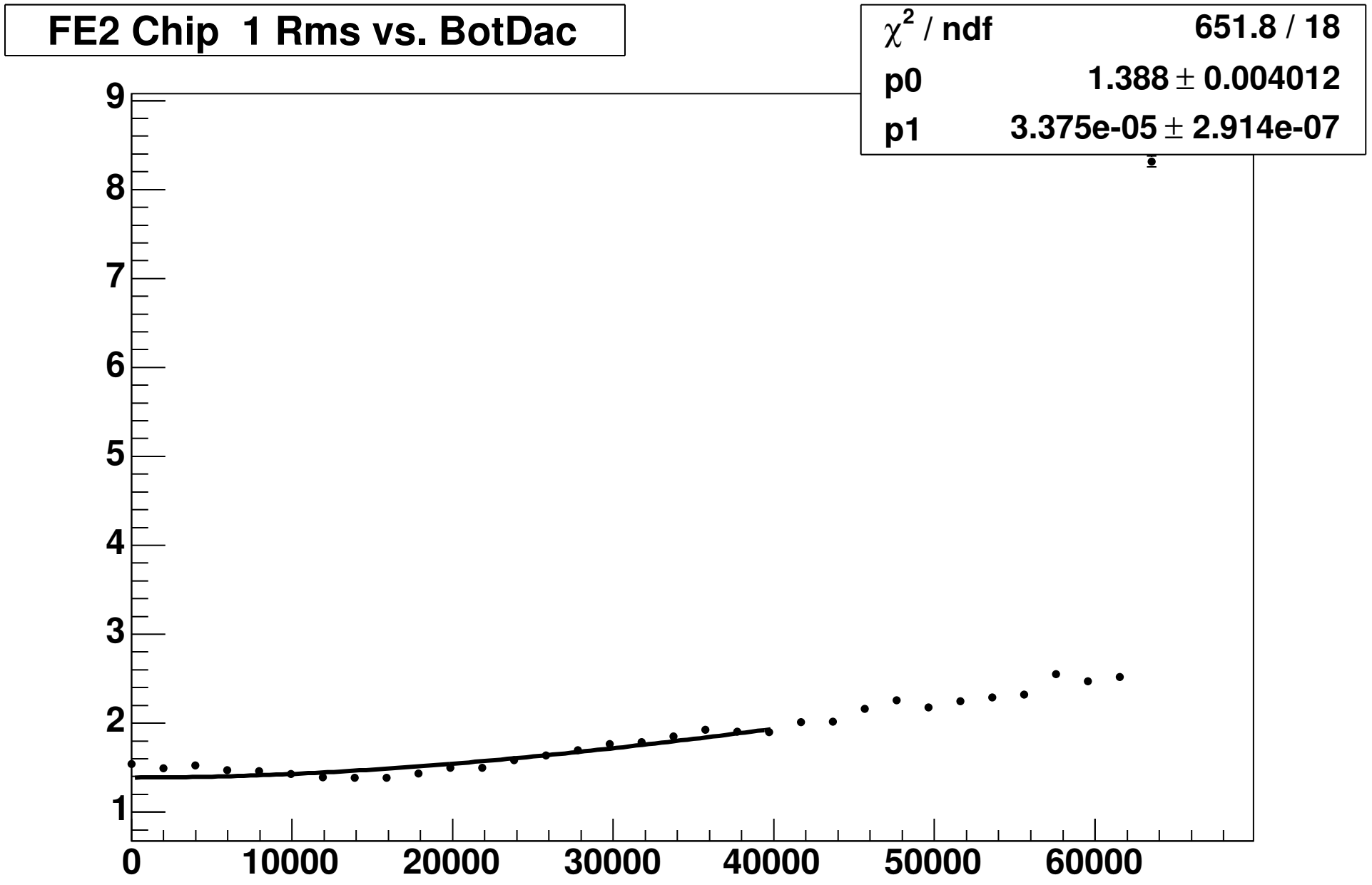
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 651.8 / 18
p0 1.388 ± 0.004012
p1 3.375e-05 ± 2.914e-07
9
8
7
6
5
4
3
2
1
0
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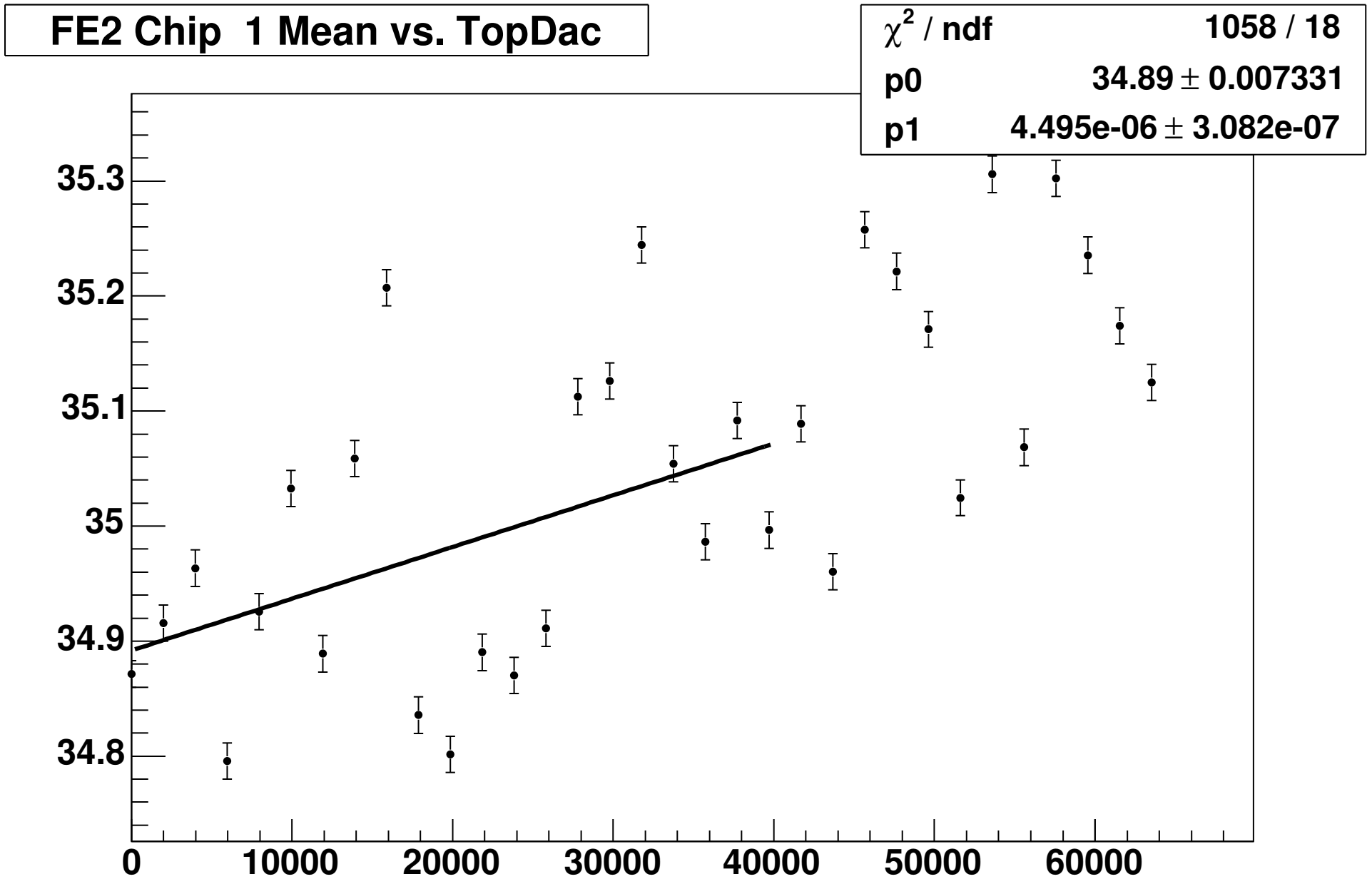
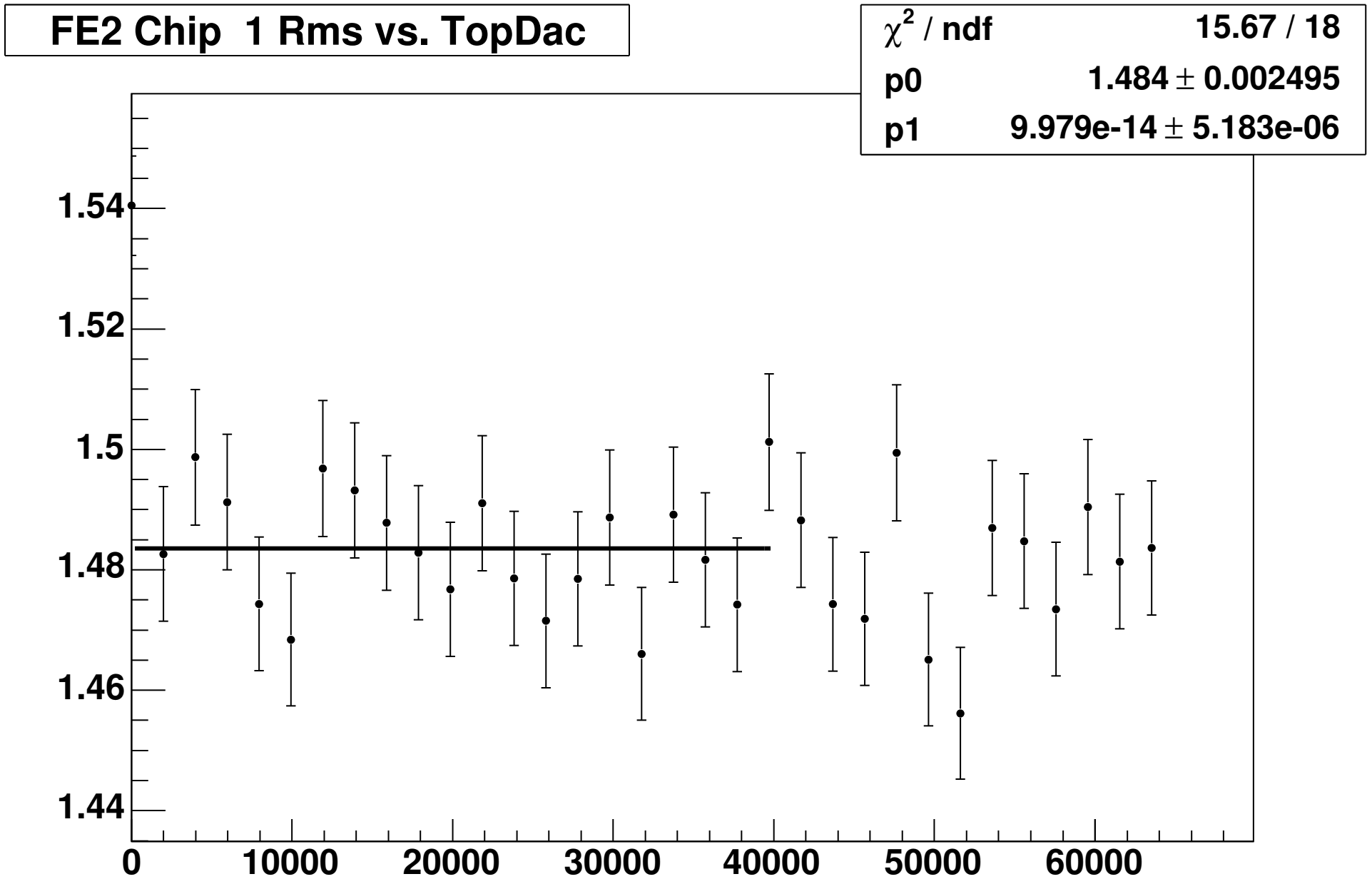

FE2 Chip 1 Mean vs. TopDac
χ² / ndf 1058 / 18
p0 34.89 ± 0.007331
p1 4.495e-06 ± 3.082e-07
35.3
35.2
35.1
35
34.9
34.8
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 15.67 / 18
p0 1.484 ± 0.002495
p1 9.979e-14 ± 5.183e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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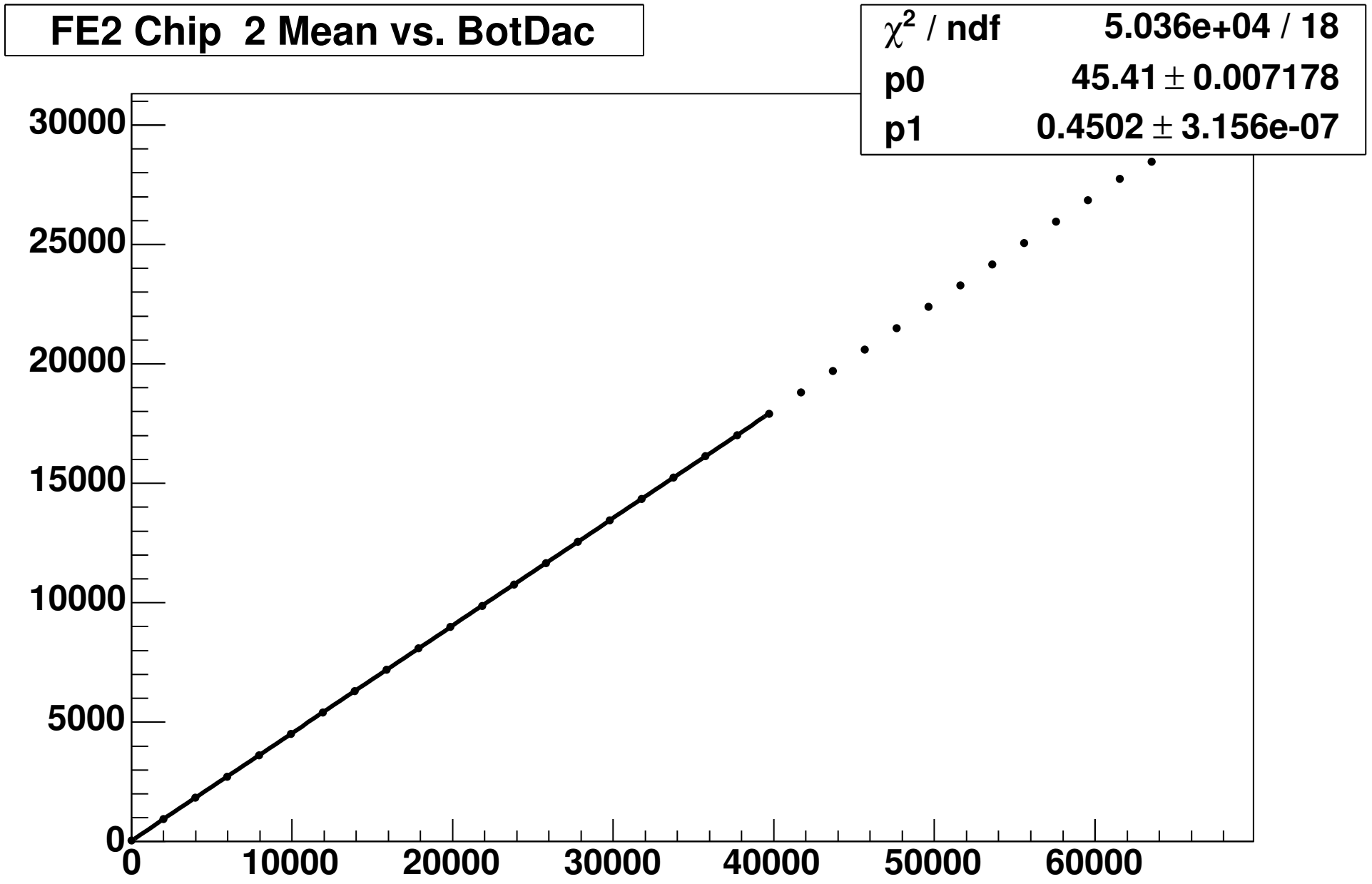
30000
40000
50000
60000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 5.036e+04 / 18
p0 45.41 ± 0.007178
p1 0.4502 ± 3.156e-07
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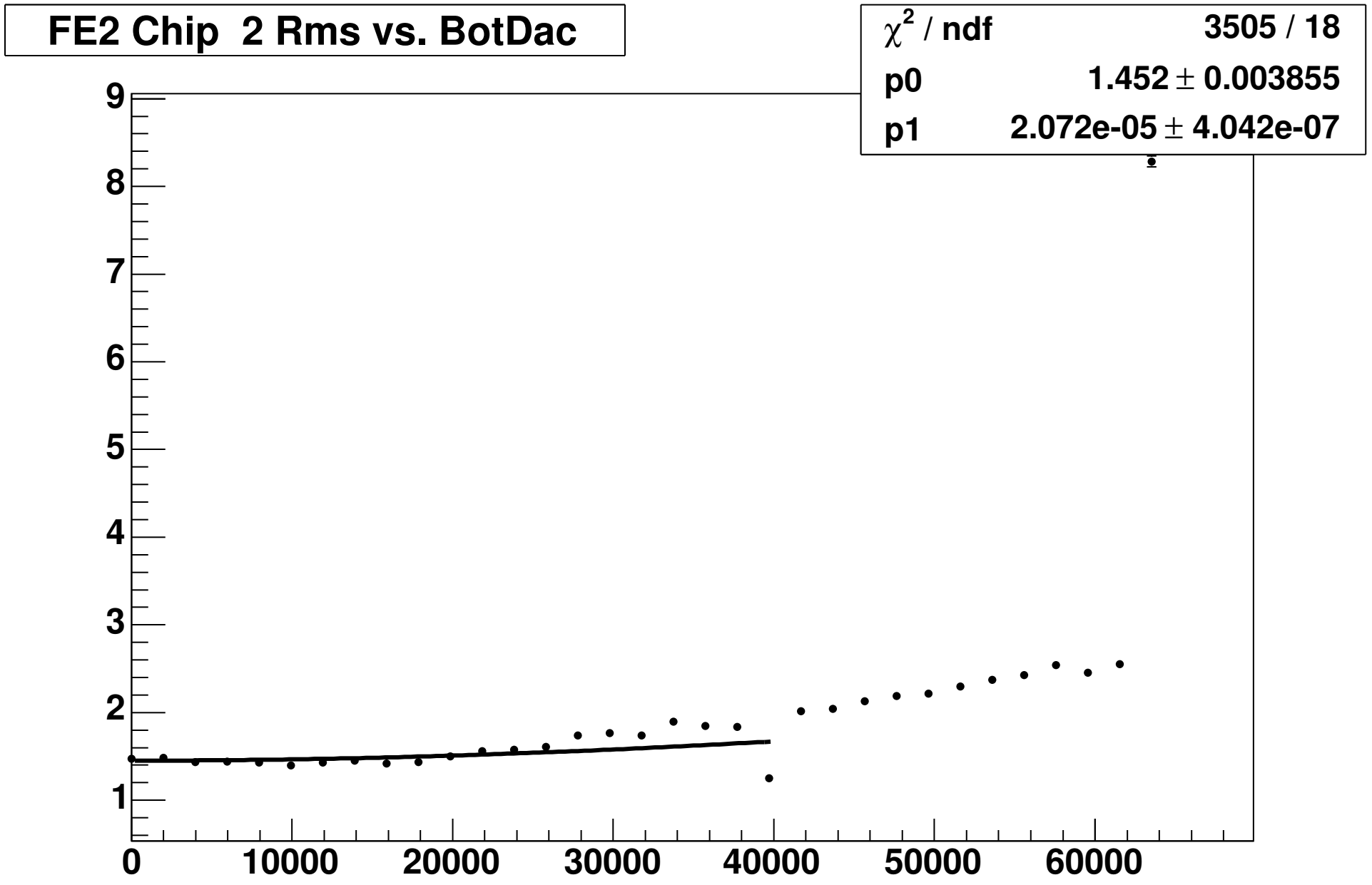
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 3505 / 18
p0 1.452 ± 0.003855
p1 2.072e-05 ± 4.042e-07
9
8
7
6
5
4
3
2
1
0
10000
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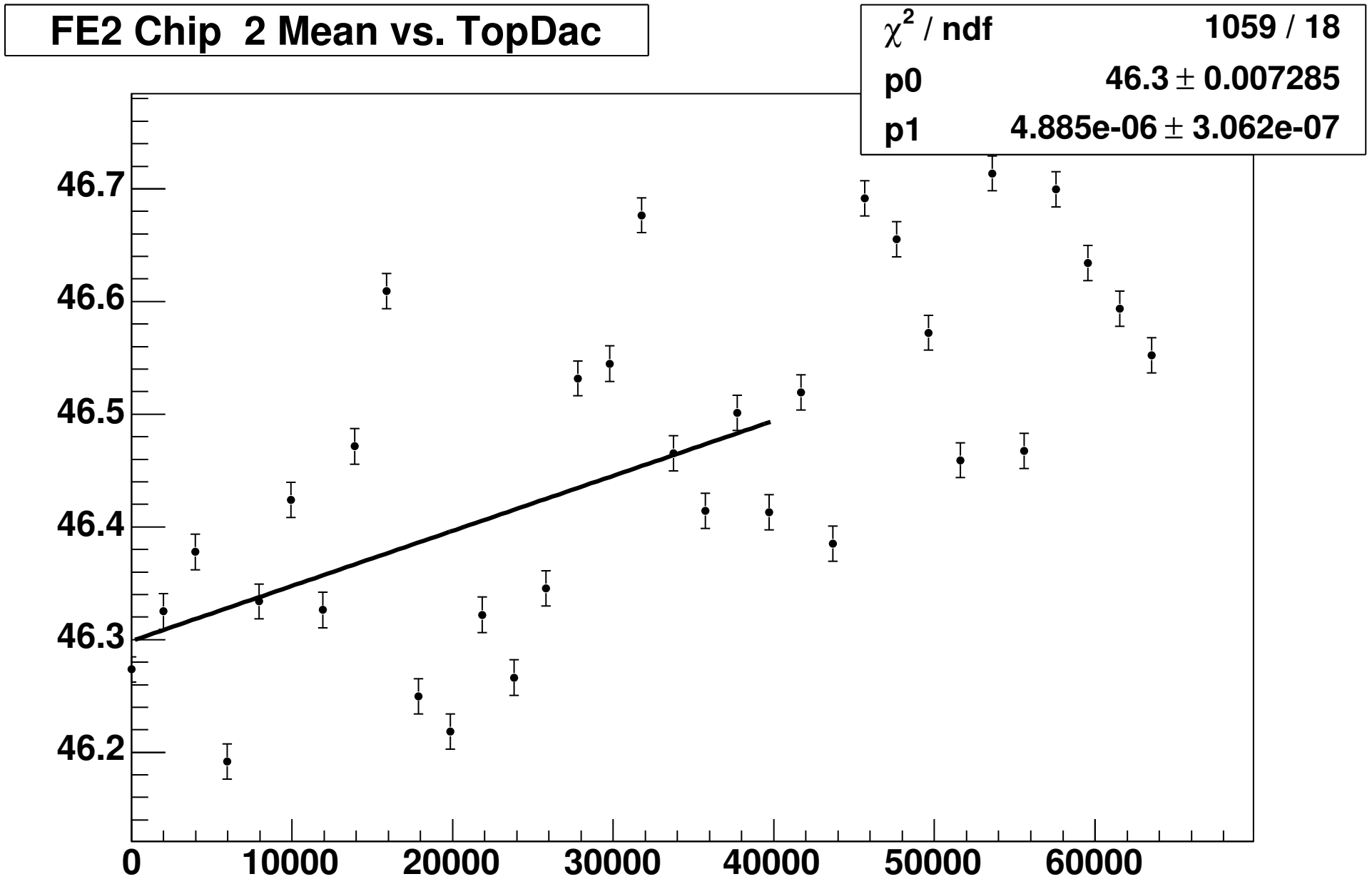
30000
40000
50000
60000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 1059 / 18
p0 46.3 ± 0.007285
p1 4.885e-06 ± 3.062e-07
46.7
46.6
46.5
46.4
46.3
46.2
0
10000
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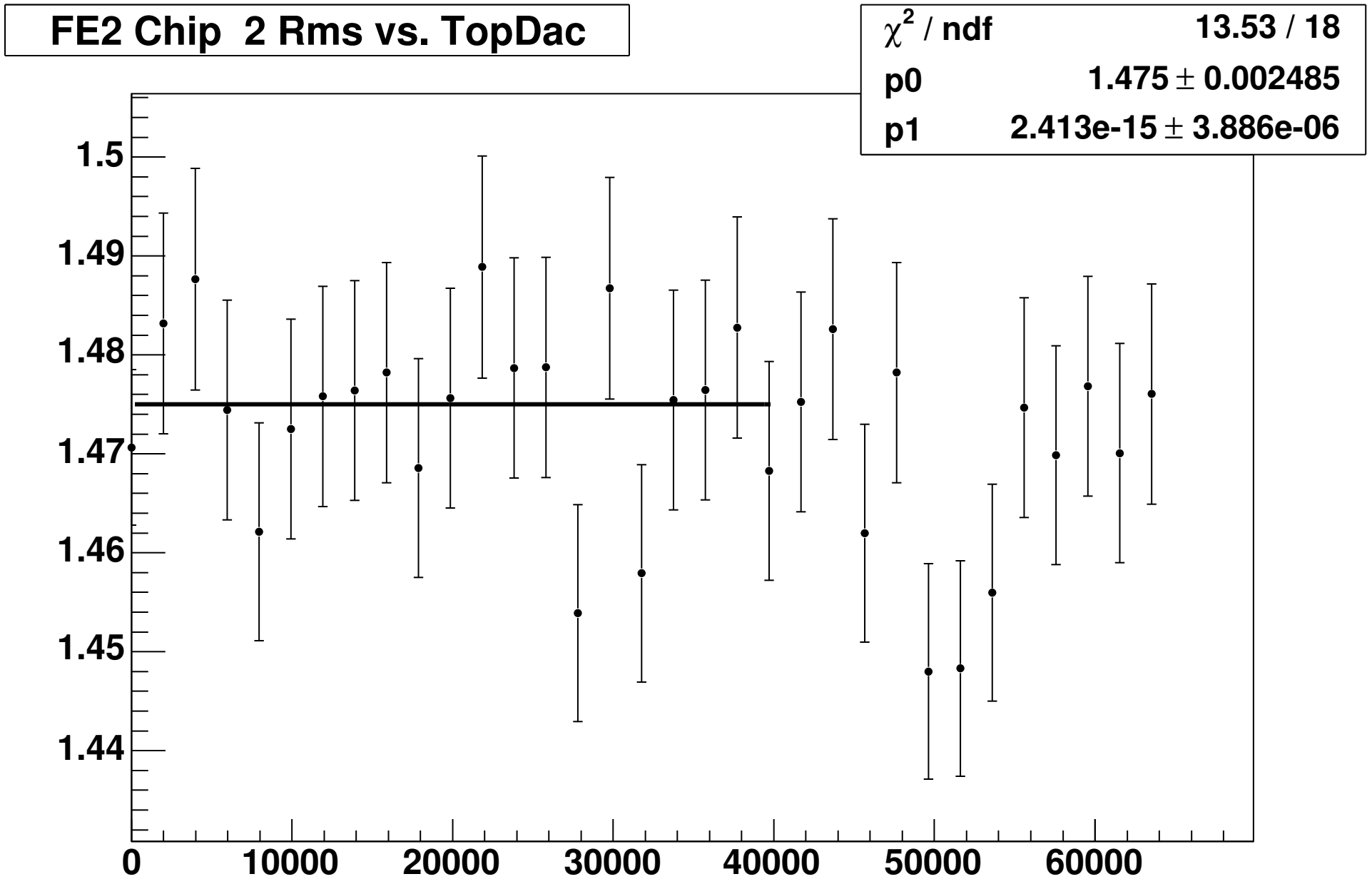
30000
40000
50000
60000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 13.53 / 18
p0 1.475 ± 0.002485
p1 2.413e-15 ± 3.886e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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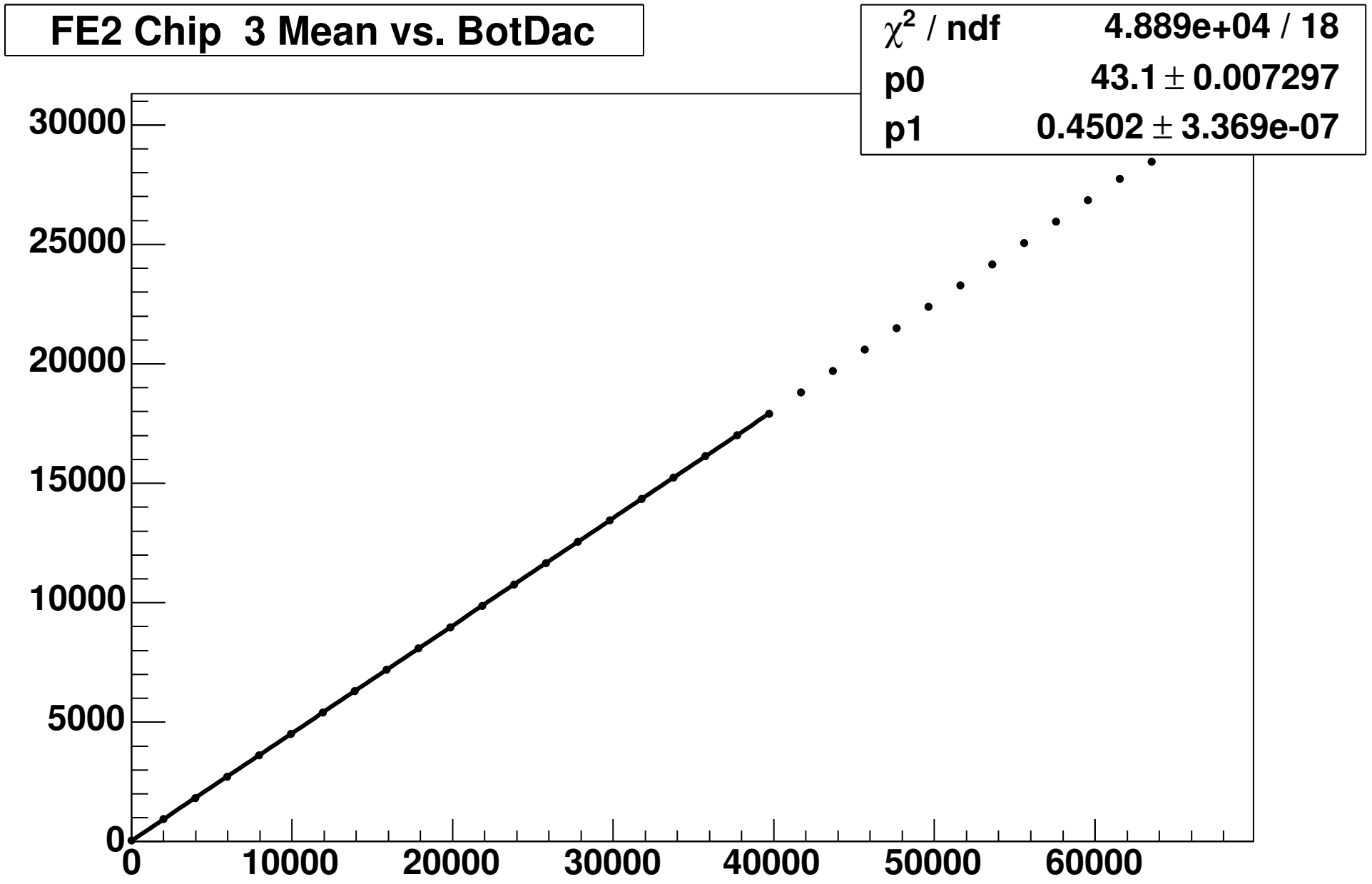
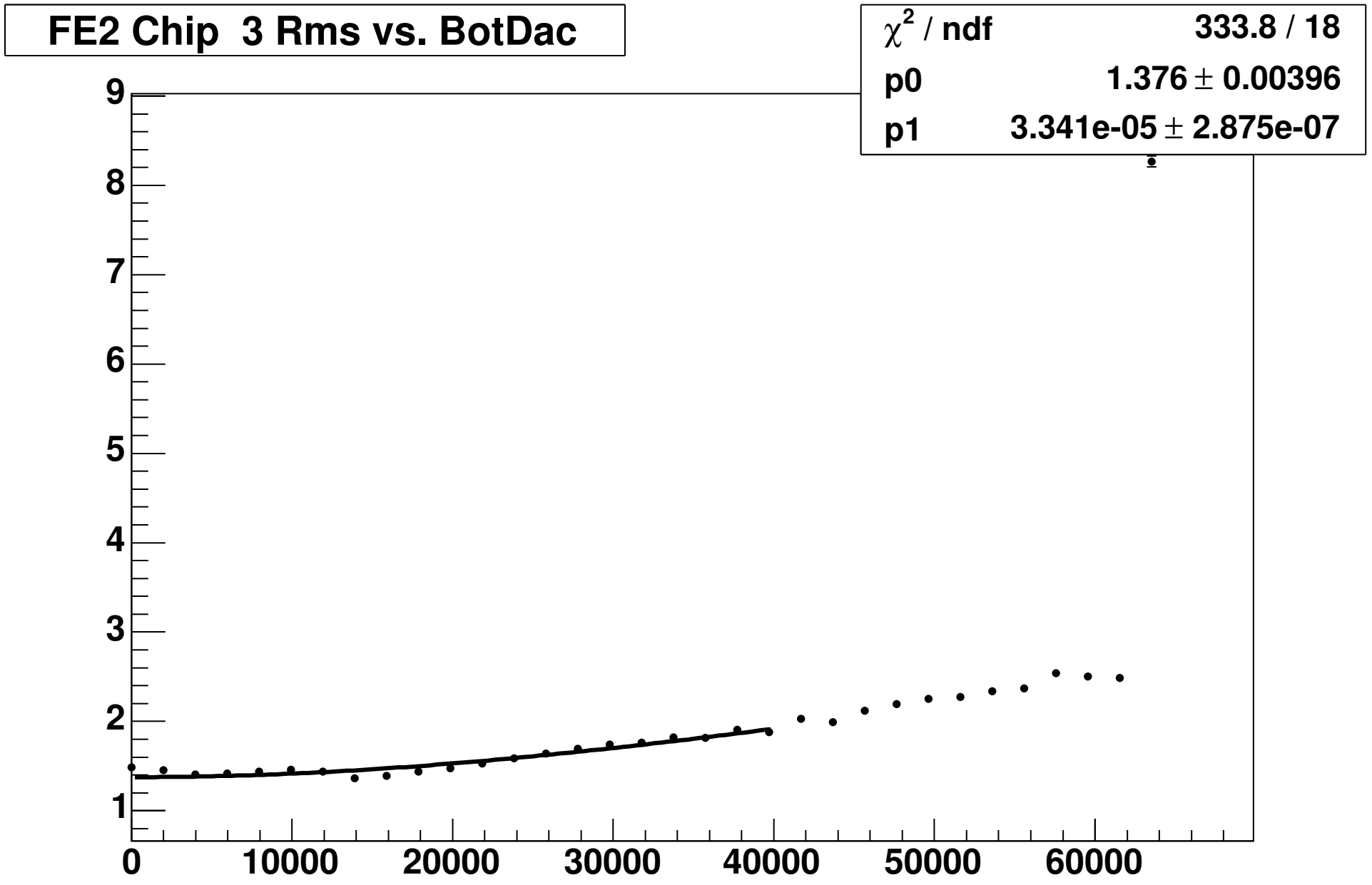
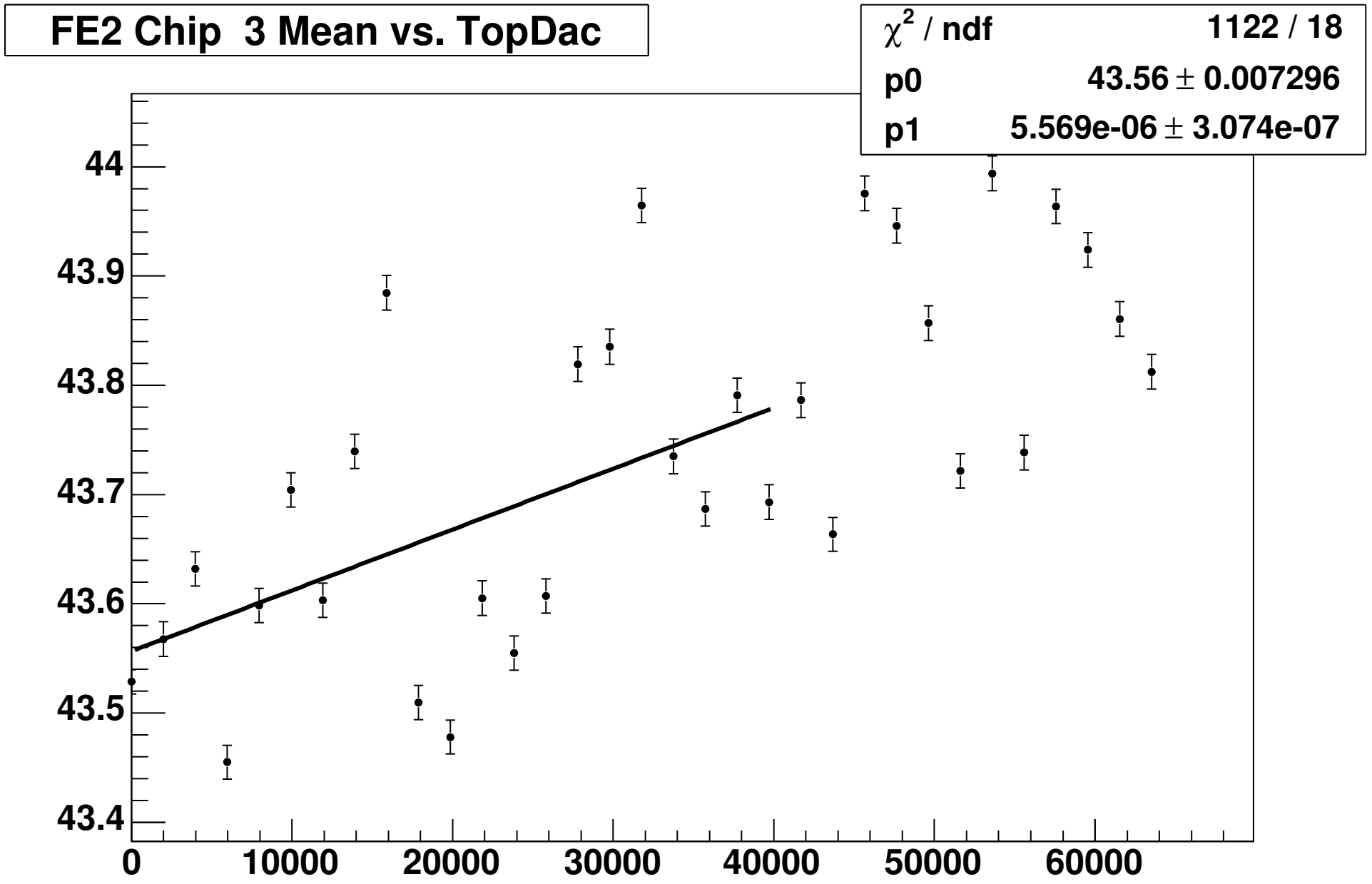
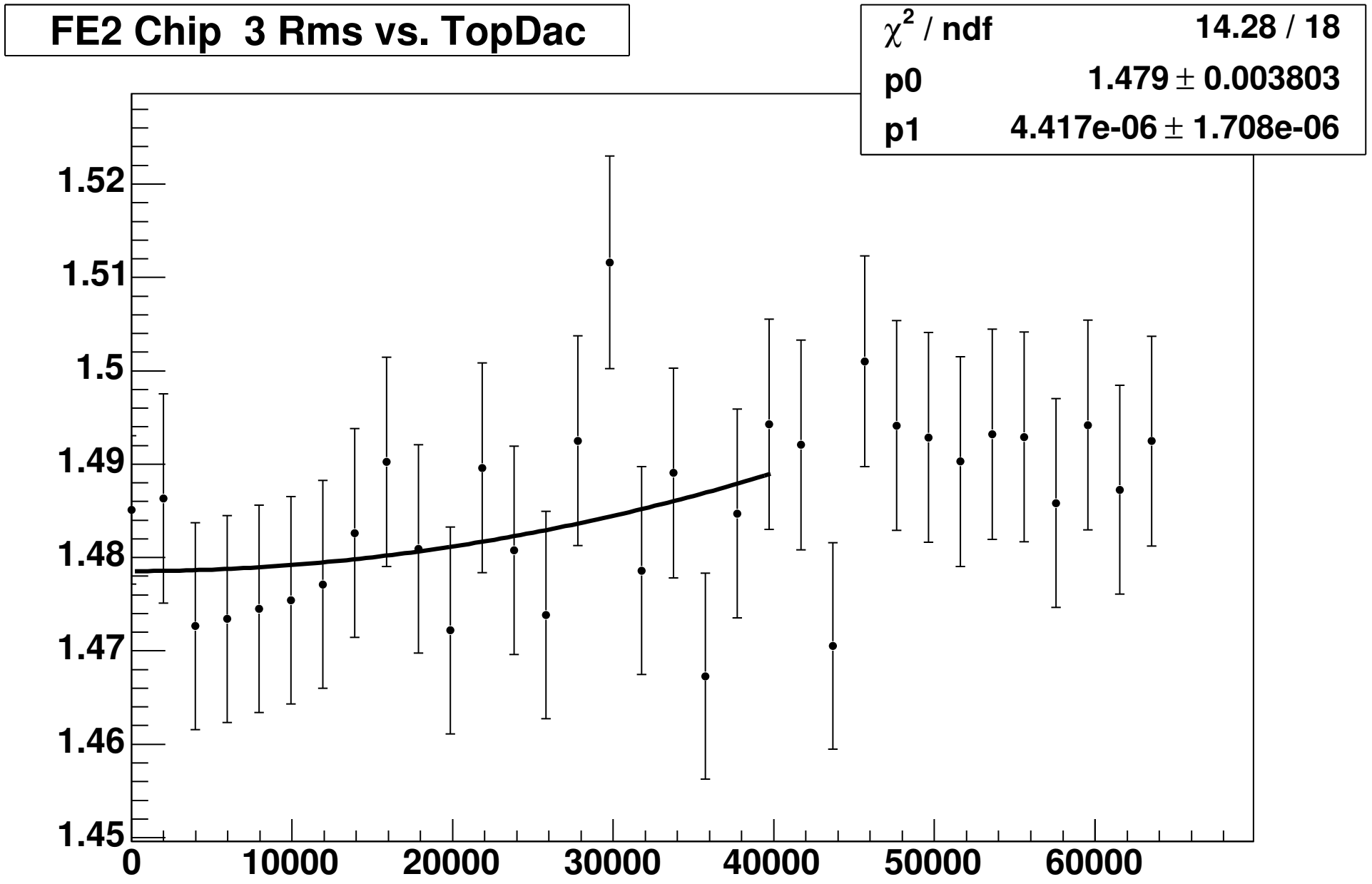
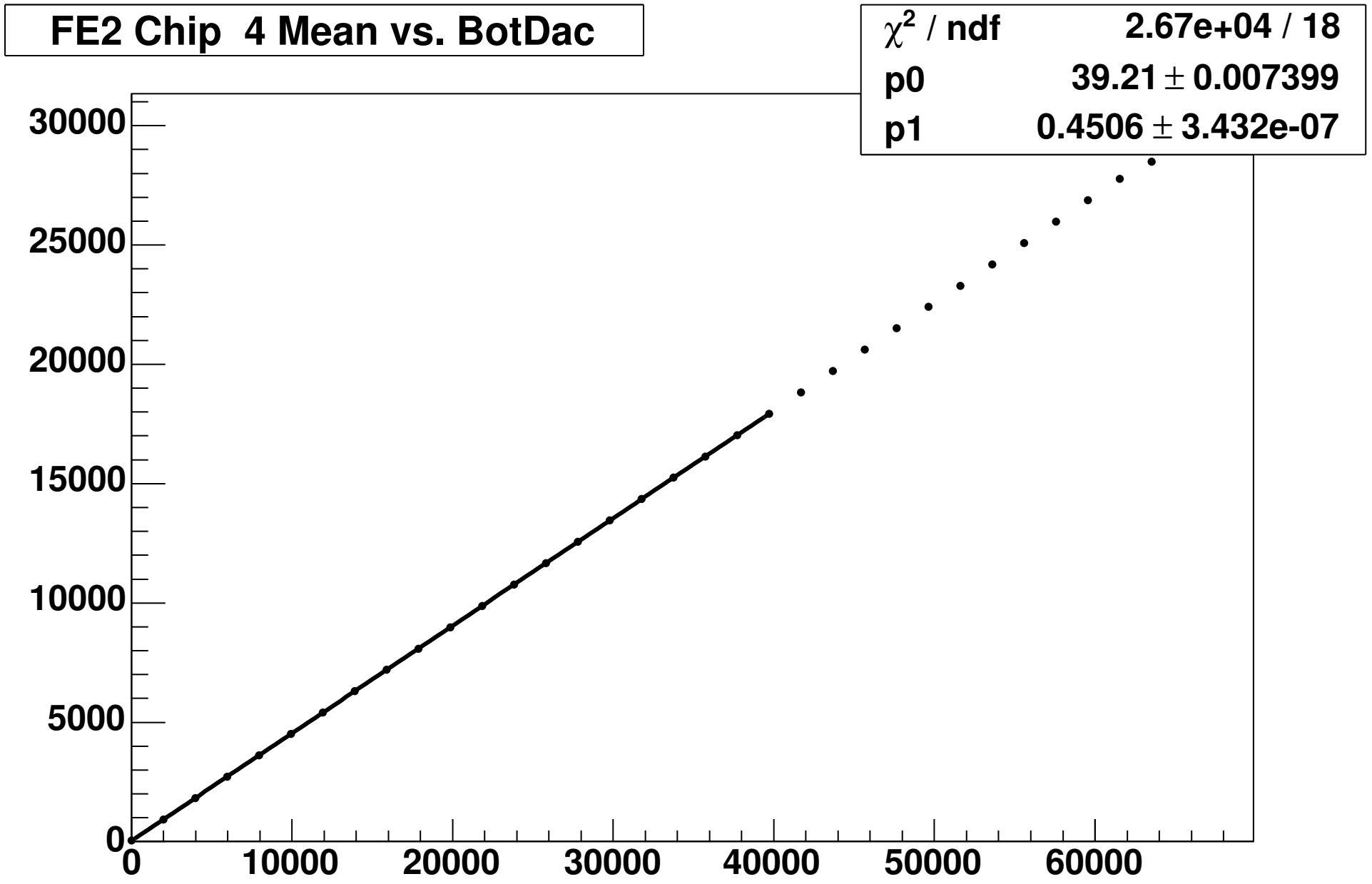
30000
40000
50000
60000

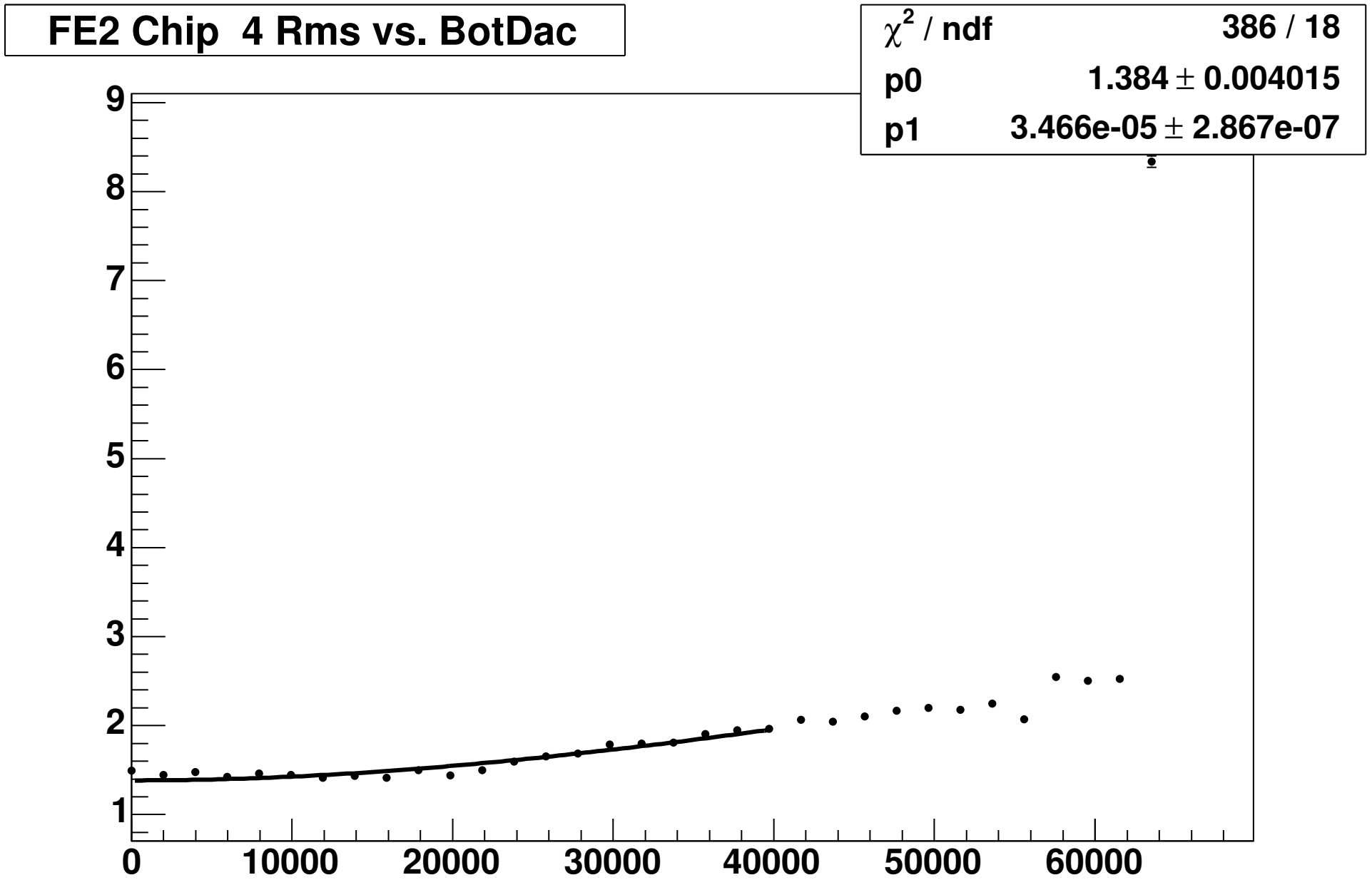

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 4.889e+04 / 18
p0 43.1 ± 0.007297
p1 0.4502 ± 3.369e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

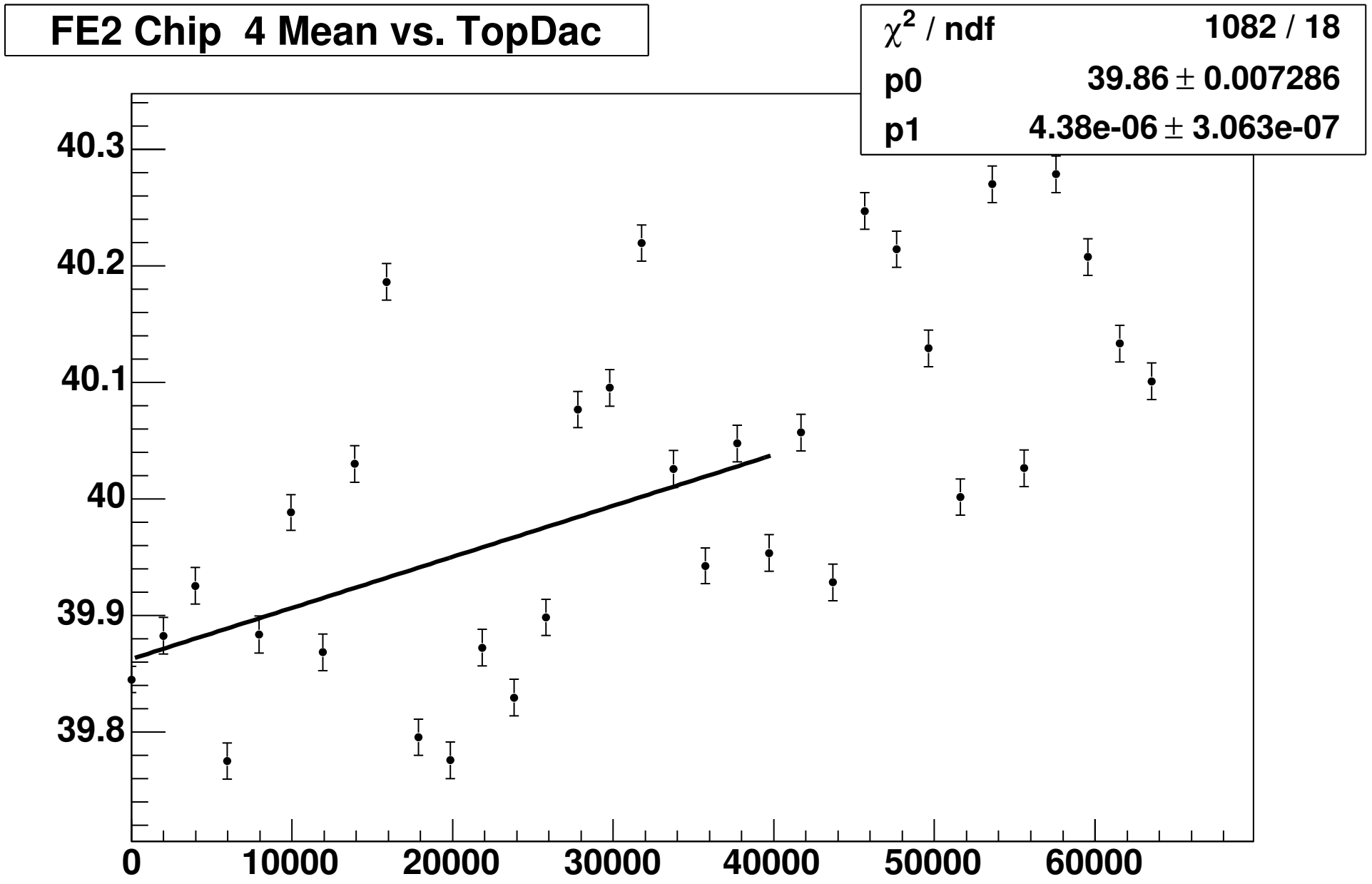

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 333.8 / 18
p0 1.376 ± 0.00396
p1 3.341e-05 ± 2.875e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

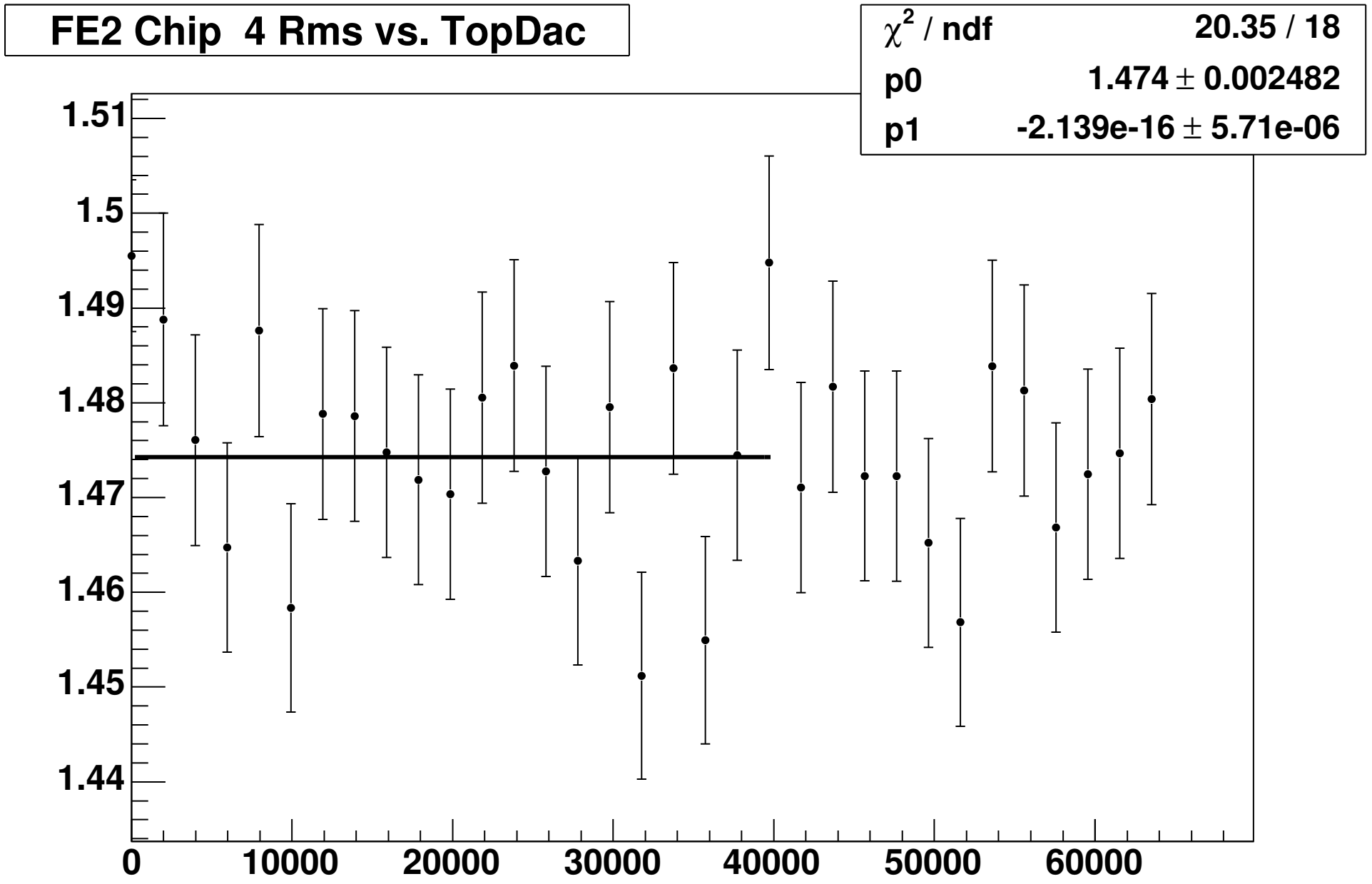

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 1122 / 18
p0 43.56 ± 0.007296
p1 5.569e-06 ± 3.074e-07
44
43.9
43.8
43.7
43.6
43.5
43.4
0
10000
20000
30000
40000
50000
60000

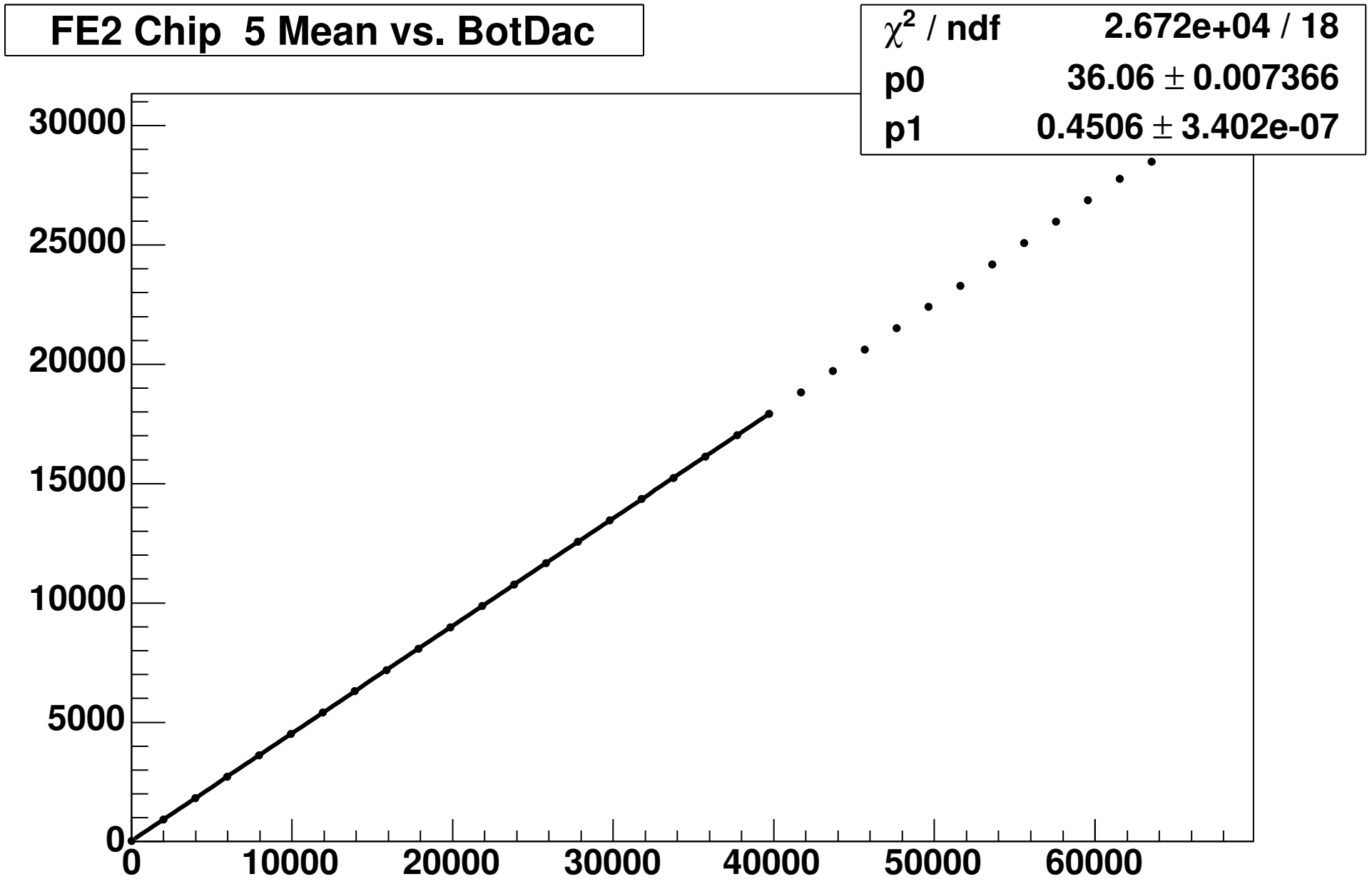

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 14.28 / 18
p0 1.479 ± 0.003803
p1 4.417e-06 ± 1.708e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

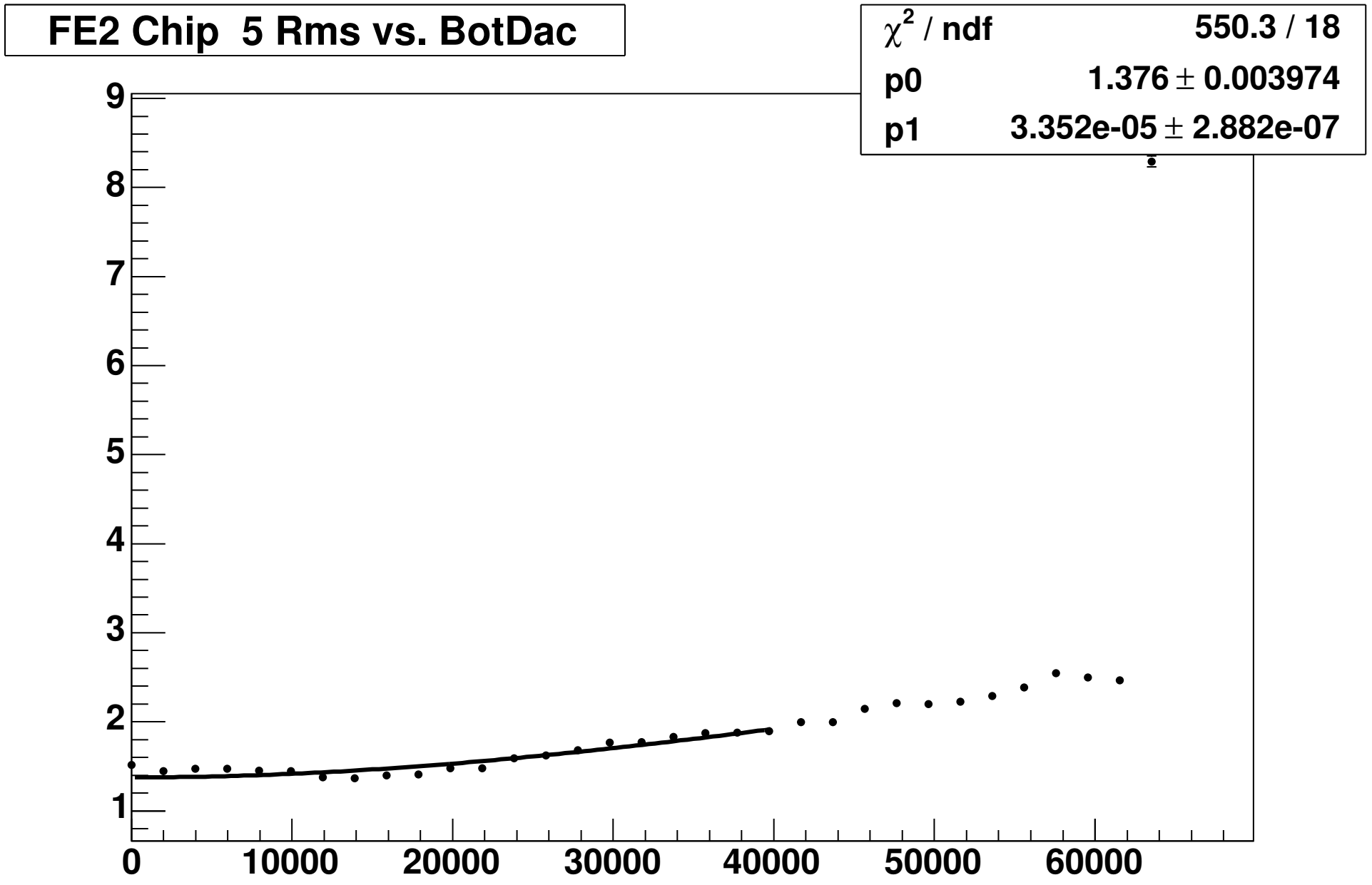

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.67e+04 / 18
p0 39.21 ± 0.007399
p1 0.4506 ± 3.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

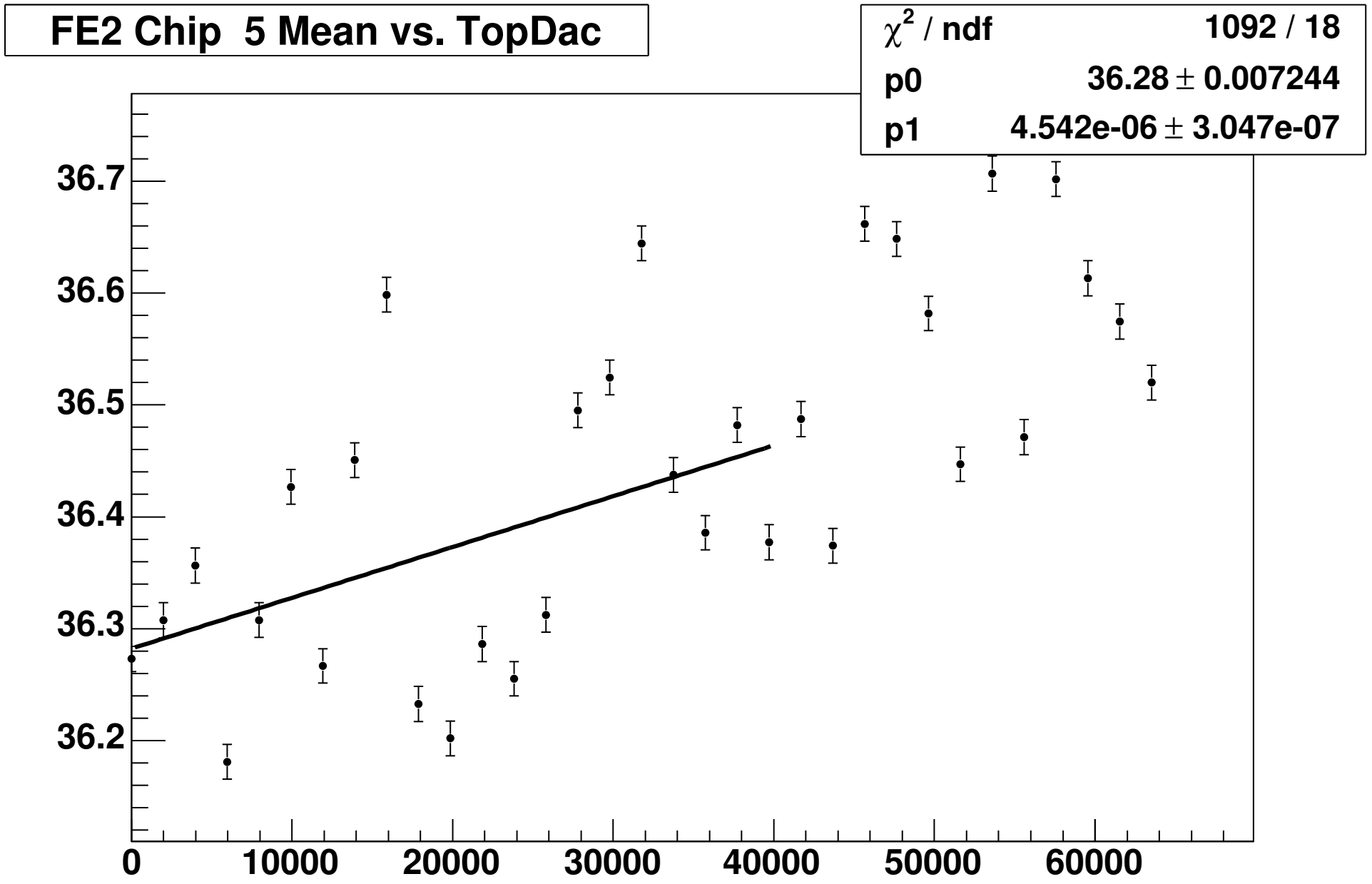

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 386 / 18
p0 1.384 ± 0.004015
p1 3.466e-05 ± 2.867e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

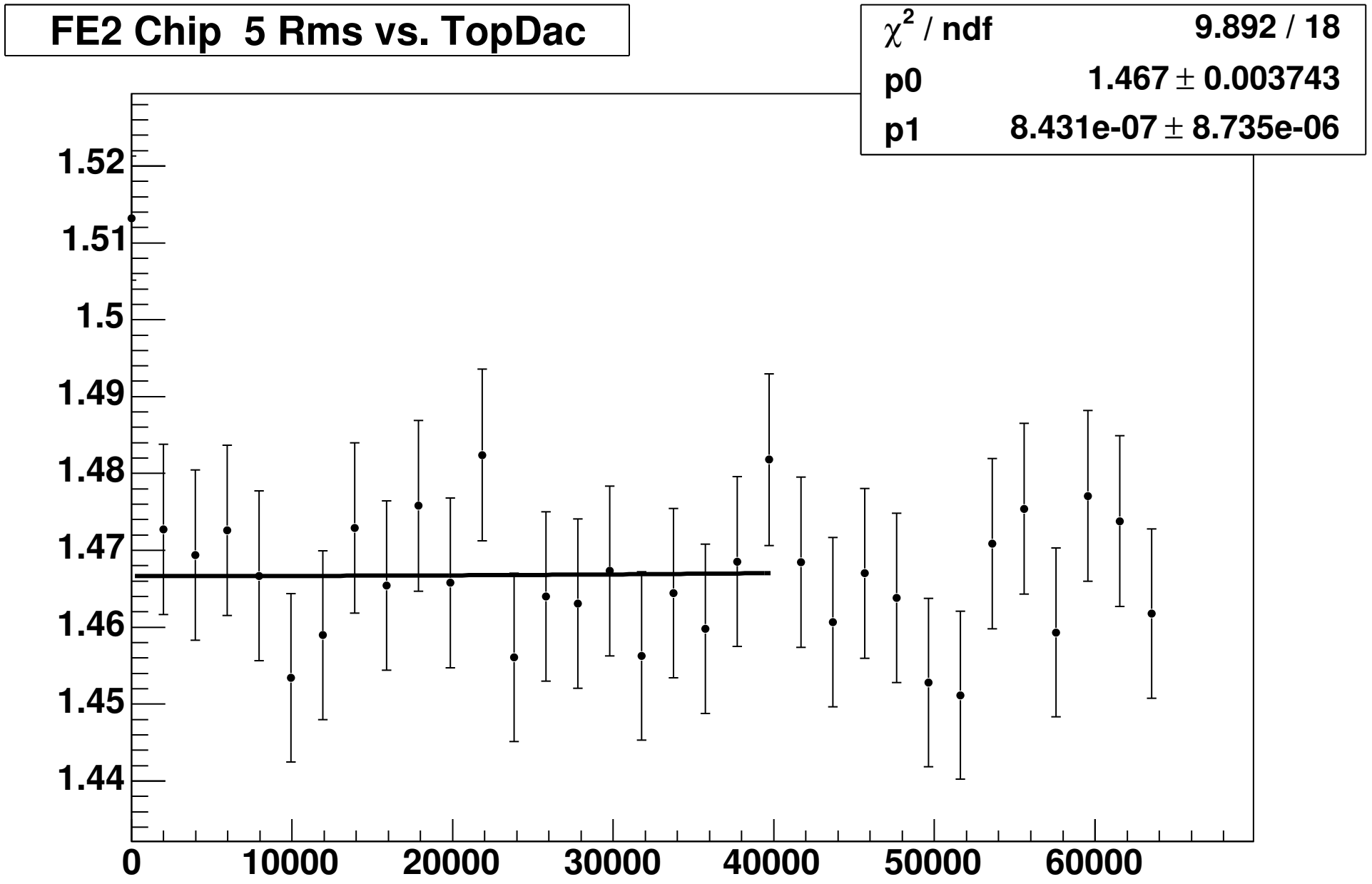

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 1082 / 18
p0 39.86 ± 0.007286
p1 4.38e-06 ± 3.063e-07
40.3
40.2
40.1
40
39.9
39.8
0
10000
20000
30000
40000
50000
60000

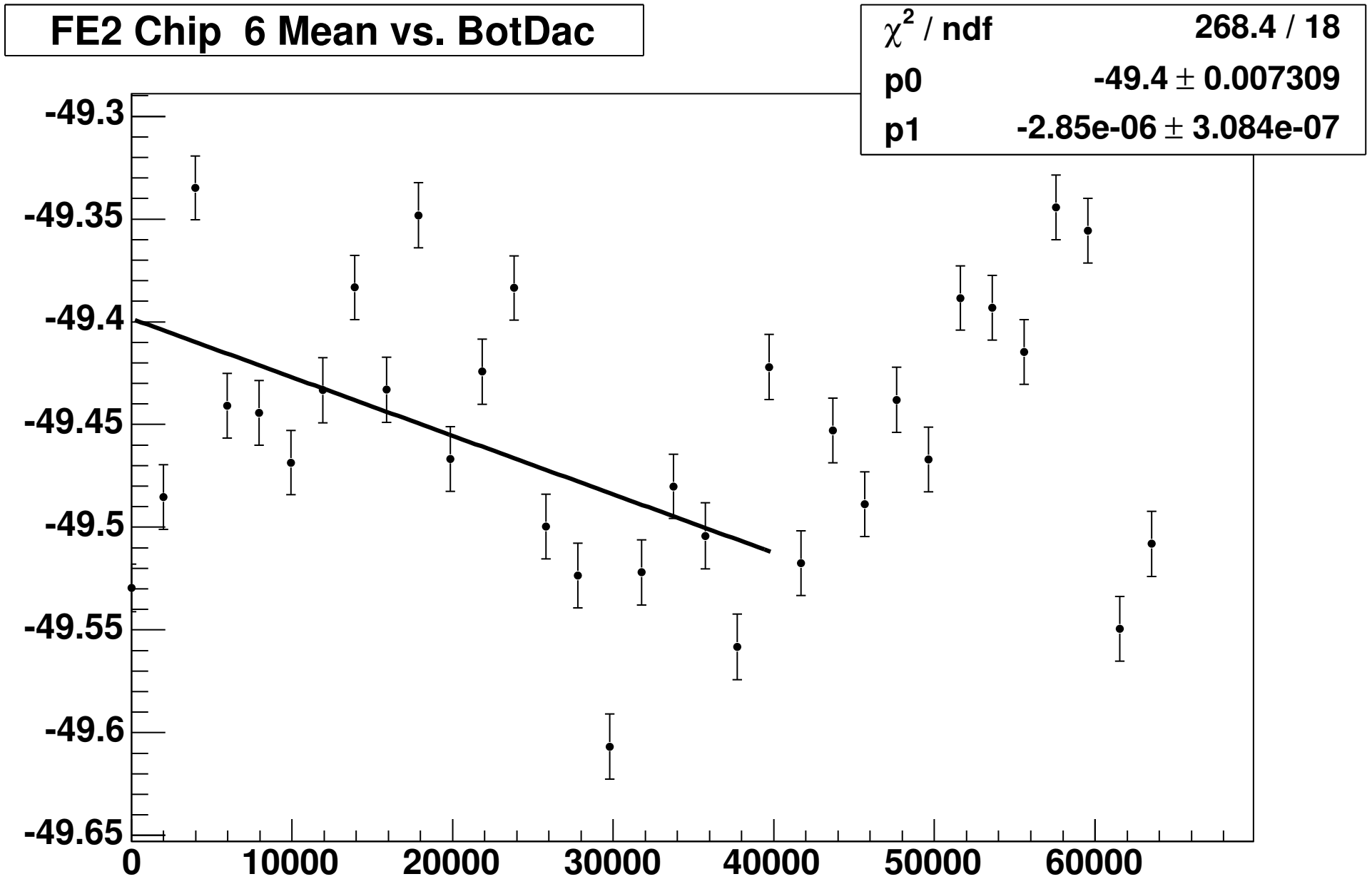

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 20.35 / 18
p0 1.474 ± 0.002482
p1 -2.139e-16 ± 5.71e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

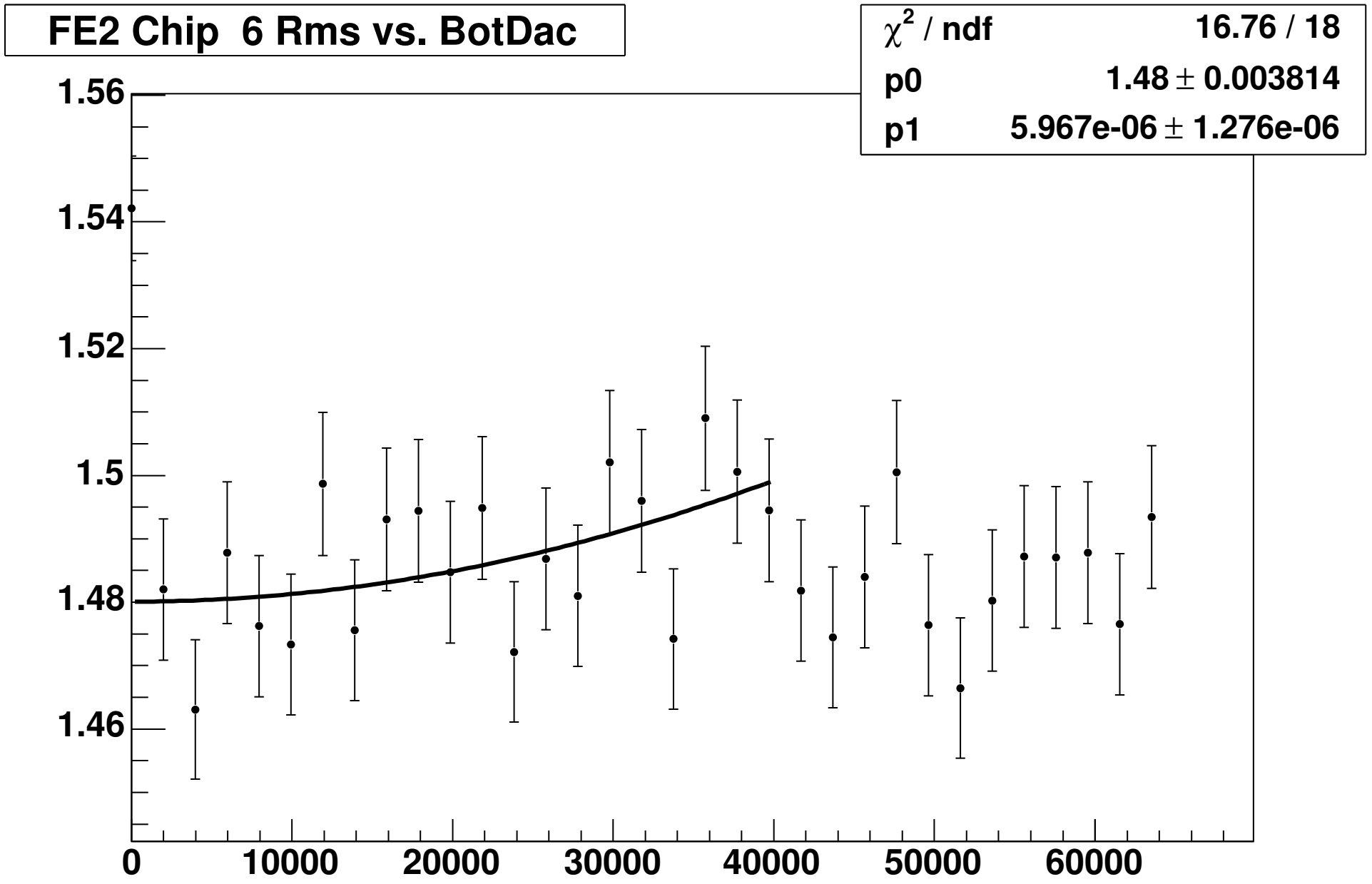

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 2.672e+04 / 18
p0 36.06 ± 0.007366
p1 0.4506 ± 3.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

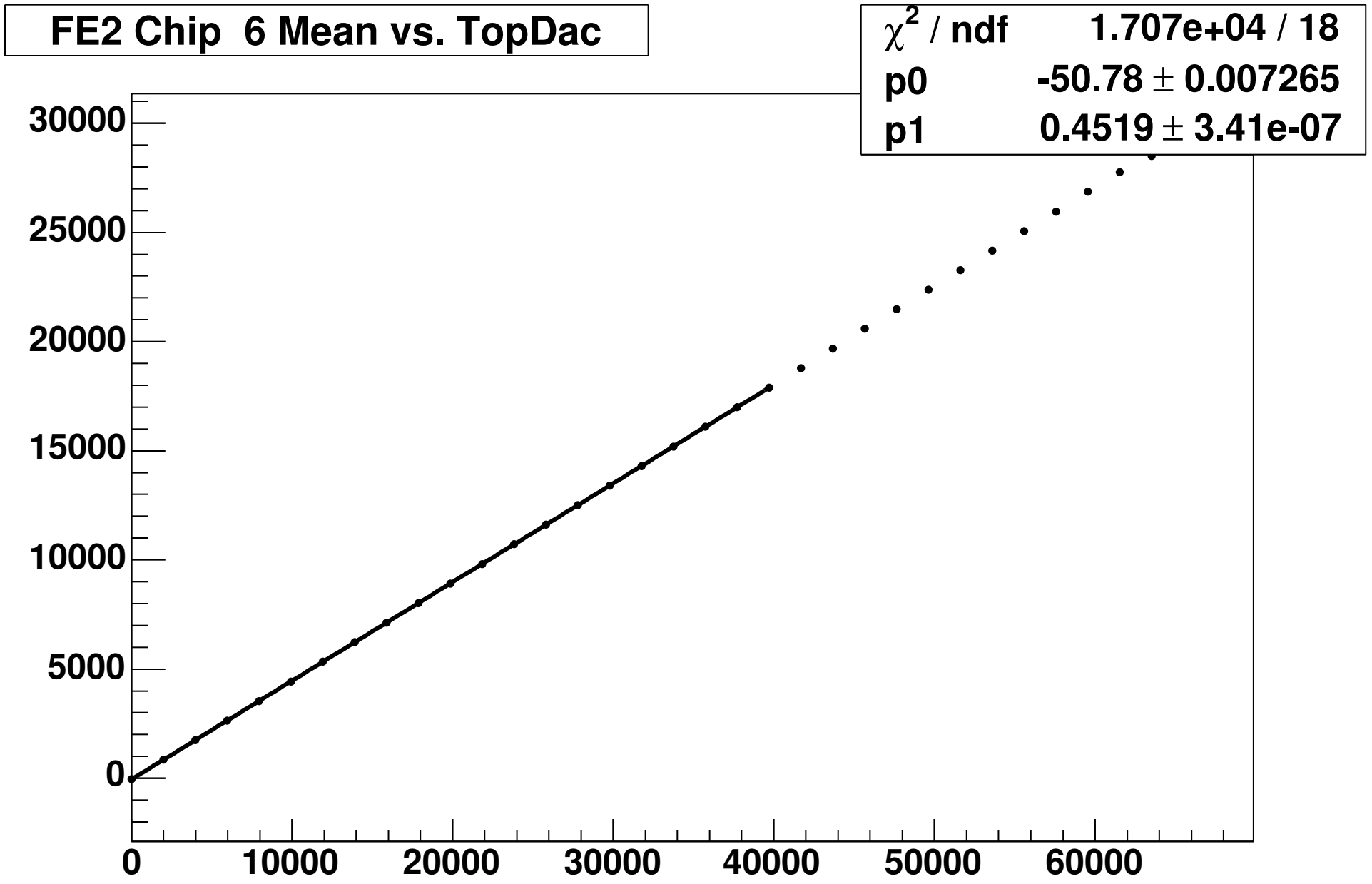

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 550.3 / 18
p0 1.376 ± 0.003974
p1 3.352e-05 ± 2.882e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 1092 / 18
p0 36.28 ± 0.007244
p1 4.542e-06 ± 3.047e-07
36.7
36.6
36.5
36.4
36.3
36.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. TopDac
χ^2 / ndf 9.892 / 18
p0 1.467 ± 0.003743
p1 8.431e-07 ± 8.735e-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


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 268.4 / 18
p0 -49.4 ± 0.007309
p1 -2.85e-06 ± 3.084e-07
-49.3
-49.35
-49.4
-49.45
-49.5
-49.55
-49.6
-49.65
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 16.76 / 18
p0 1.48 ± 0.003814
p1 5.967e-06 ± 1.276e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.707e+04 / 18
p0 -50.78 ± 0.007265
p1 0.4519 ± 3.41e-07
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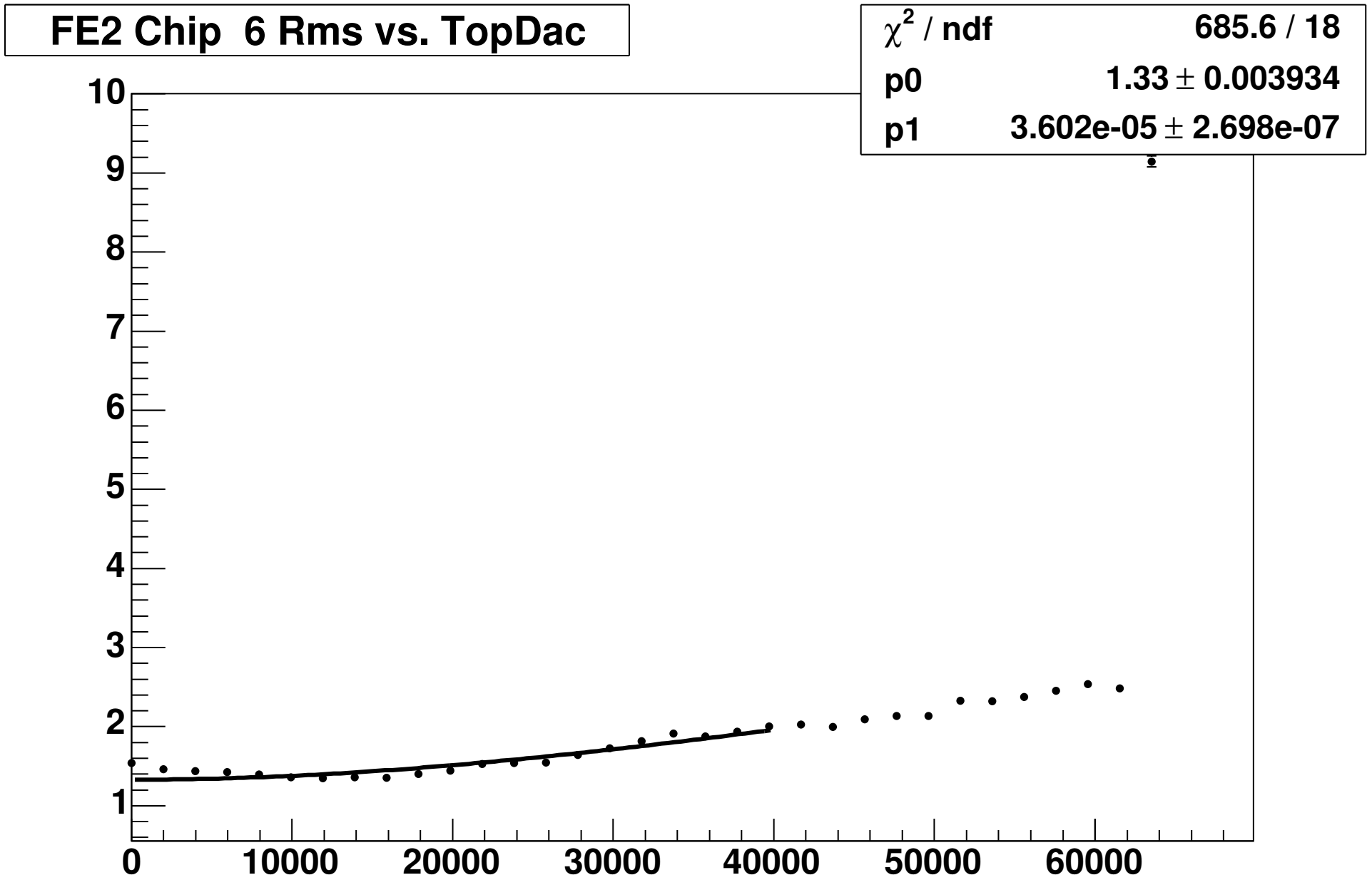
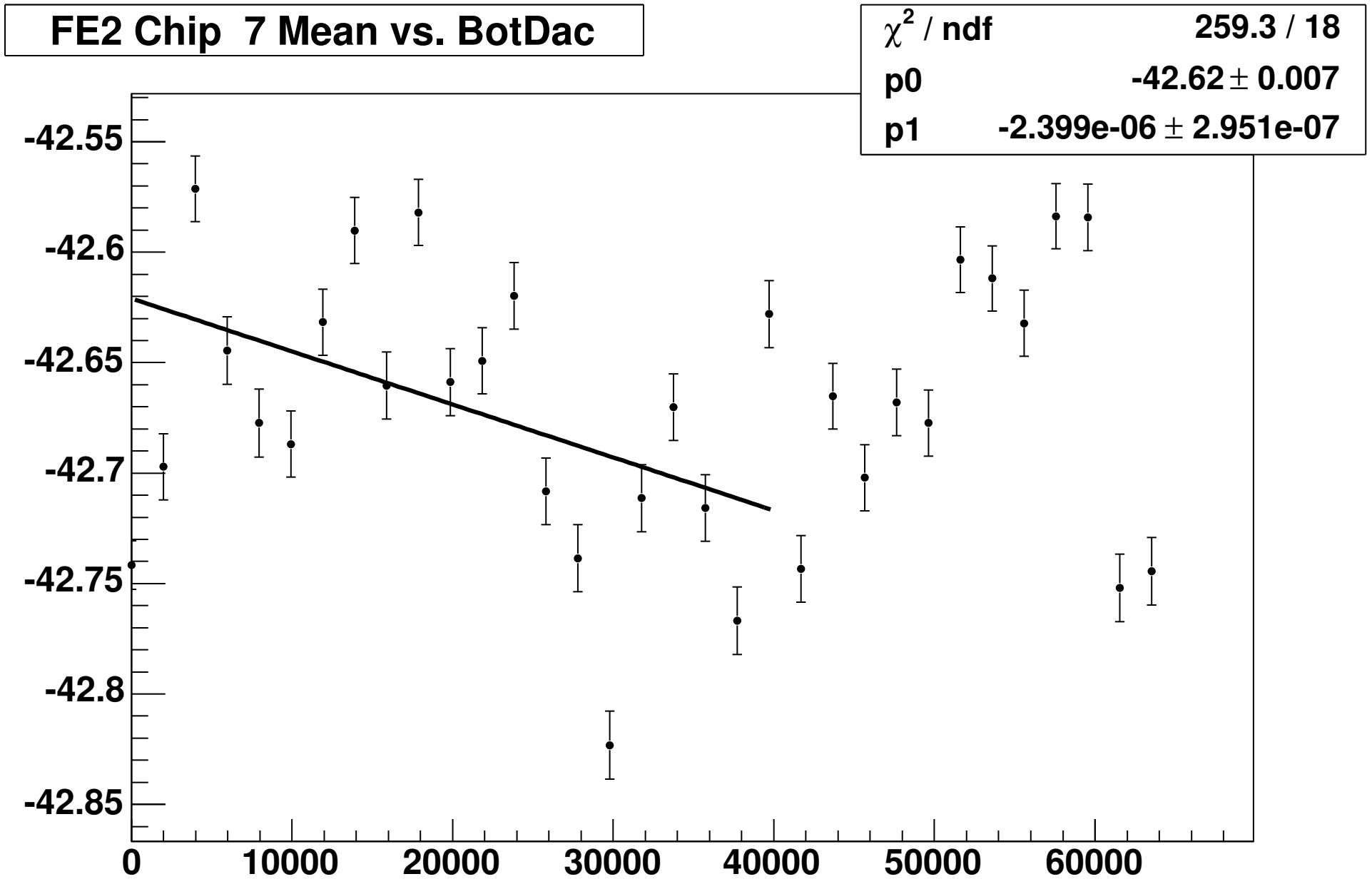
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 685.6 / 18
p0 1.33 ± 0.003934
p1 3.602e-05 ± 2.698e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 259.3 / 18
p0 -42.62 ± 0.007
p1 -2.399e-06 ± 2.951e-07
-42.55
-42.6
-42.65
-42.7
-42.75
-42.8
-42.85
0
10000
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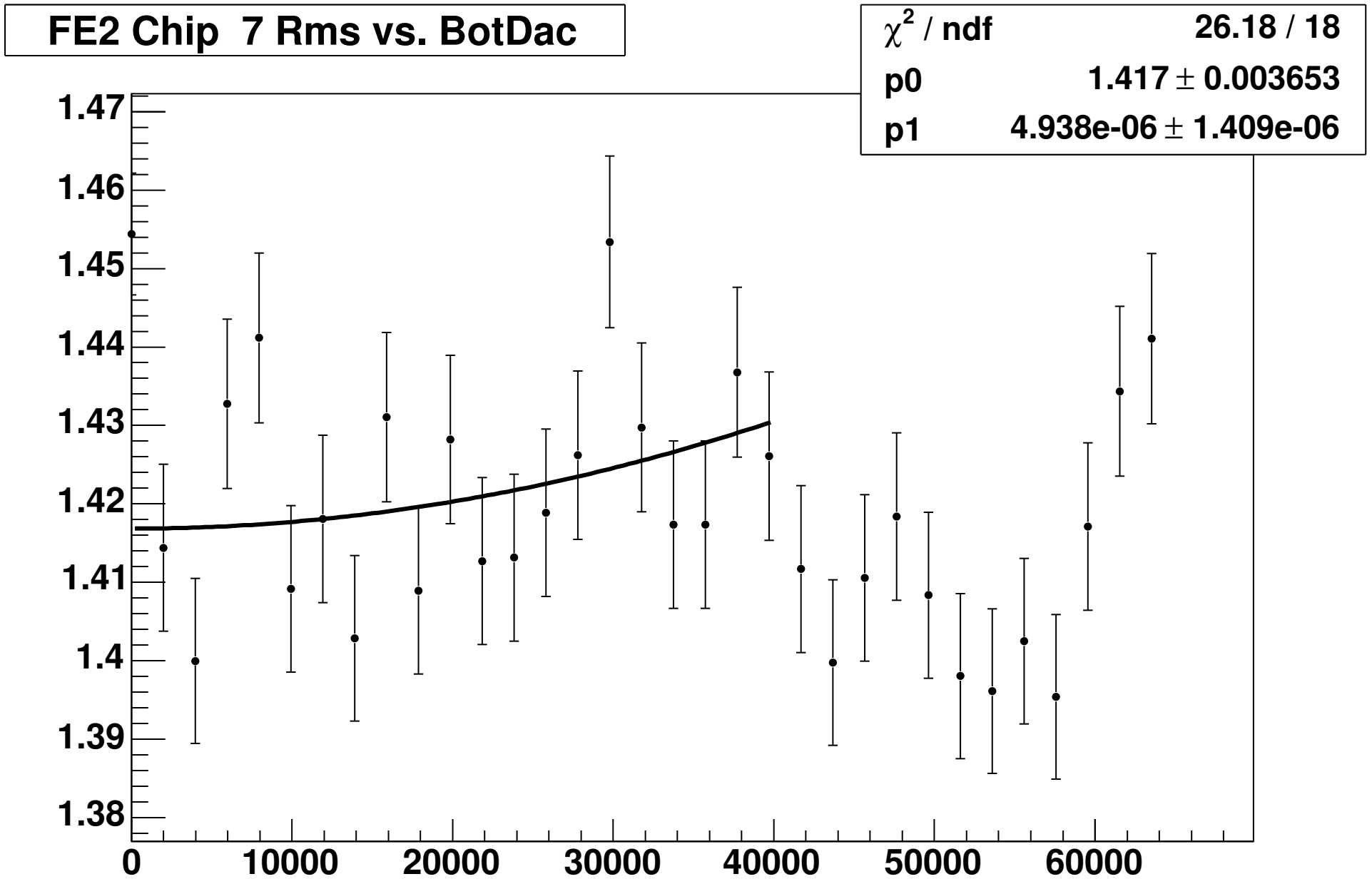
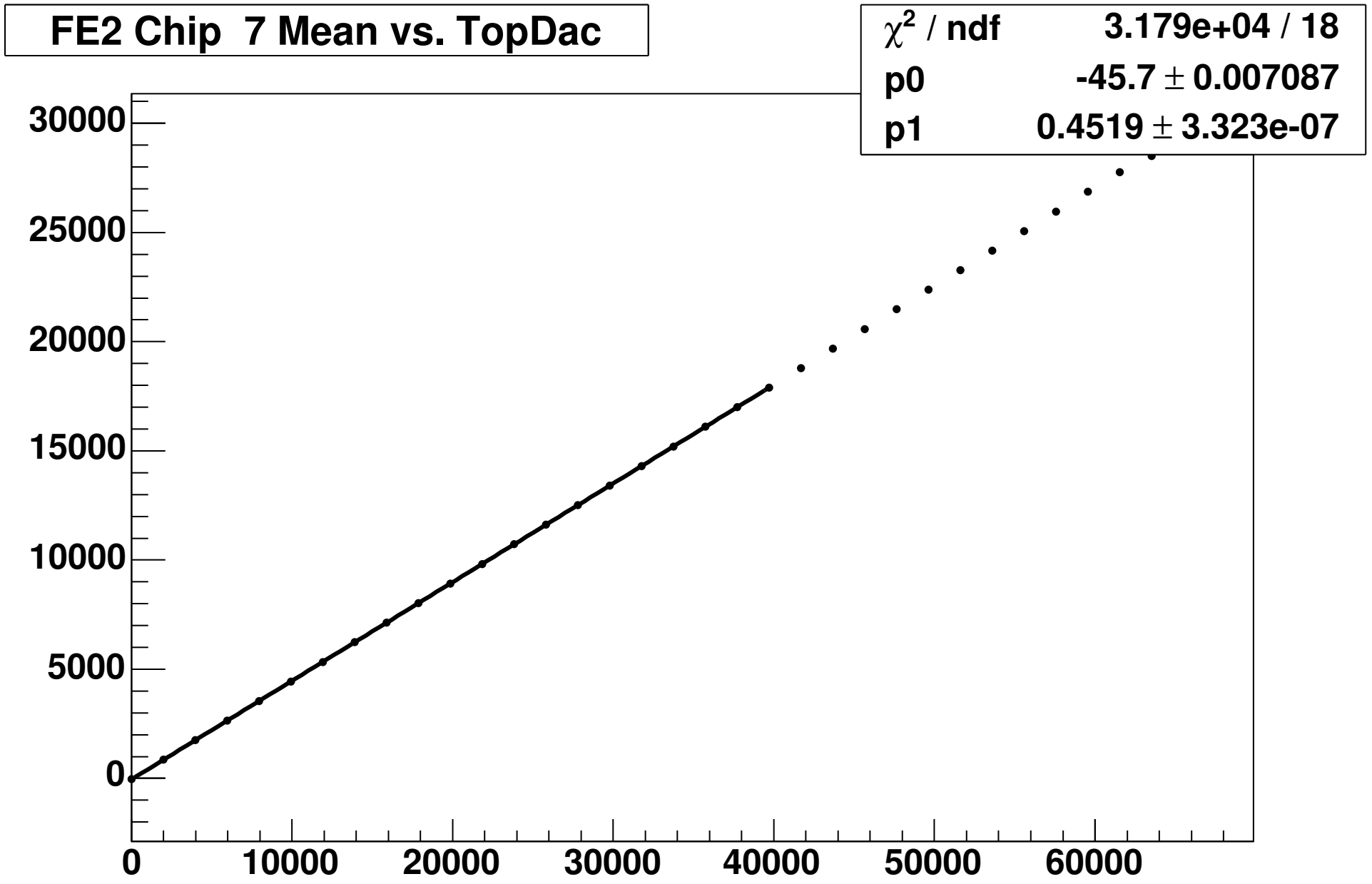
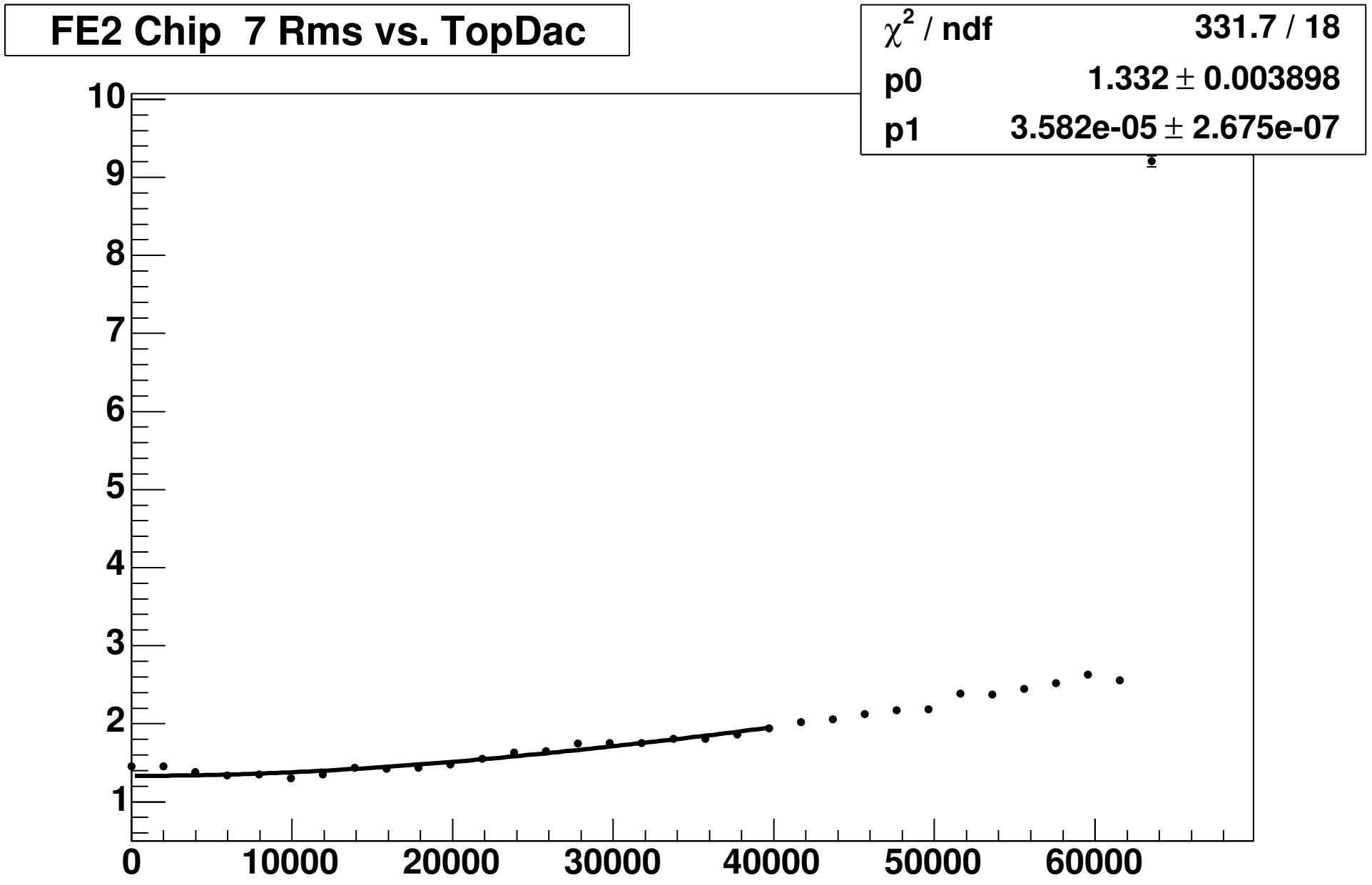
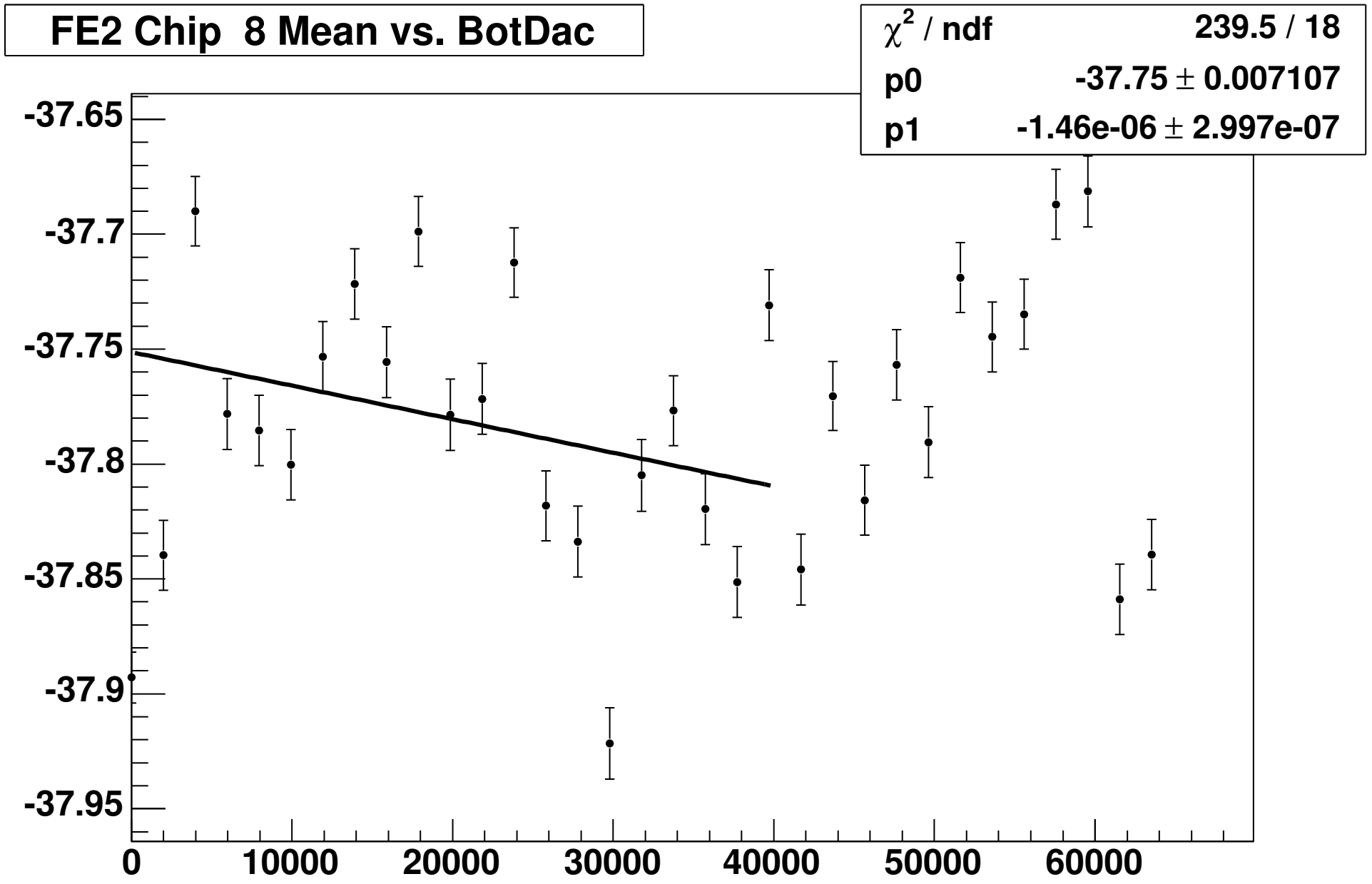
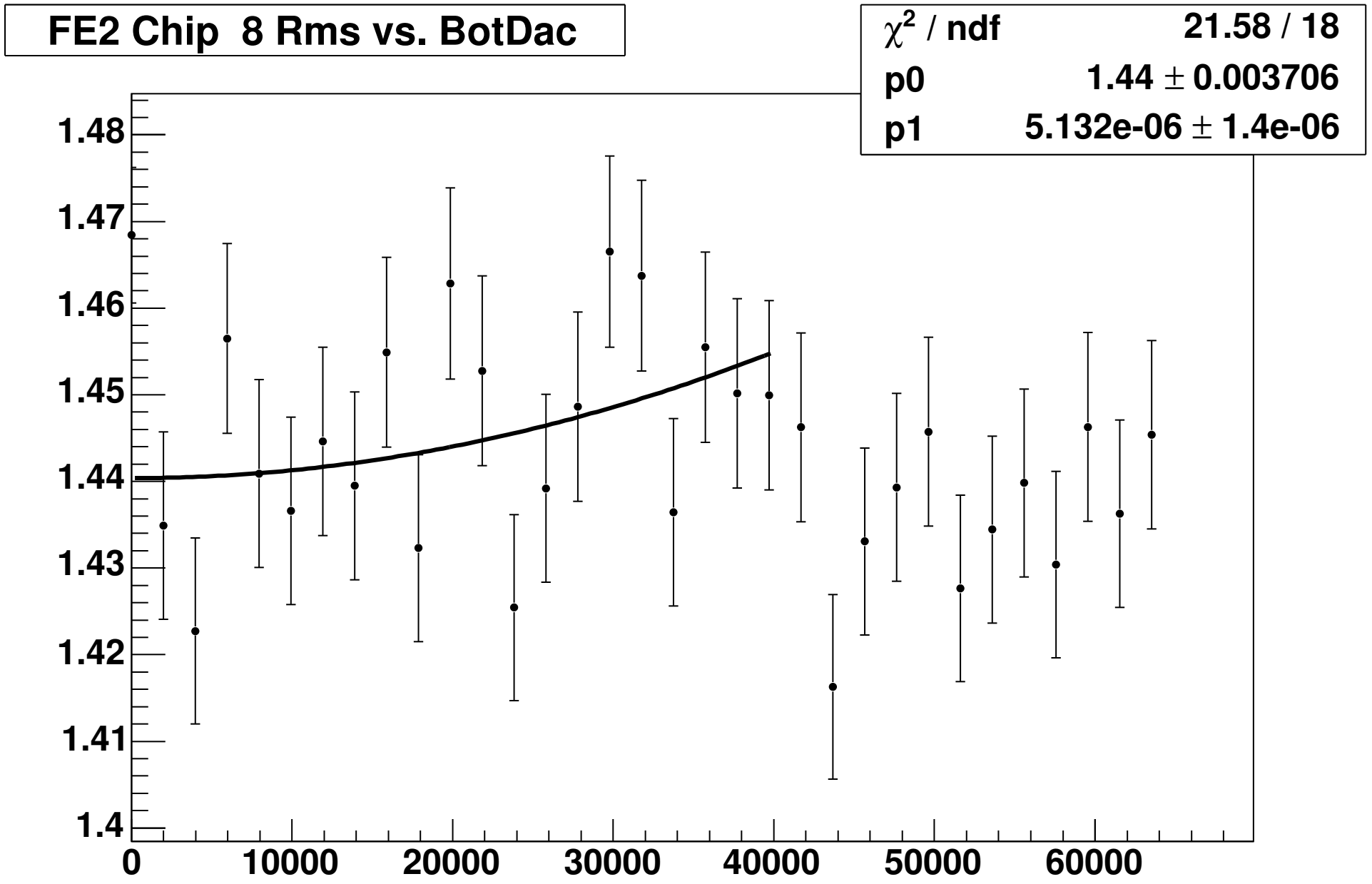
30000
40000
50000
60000

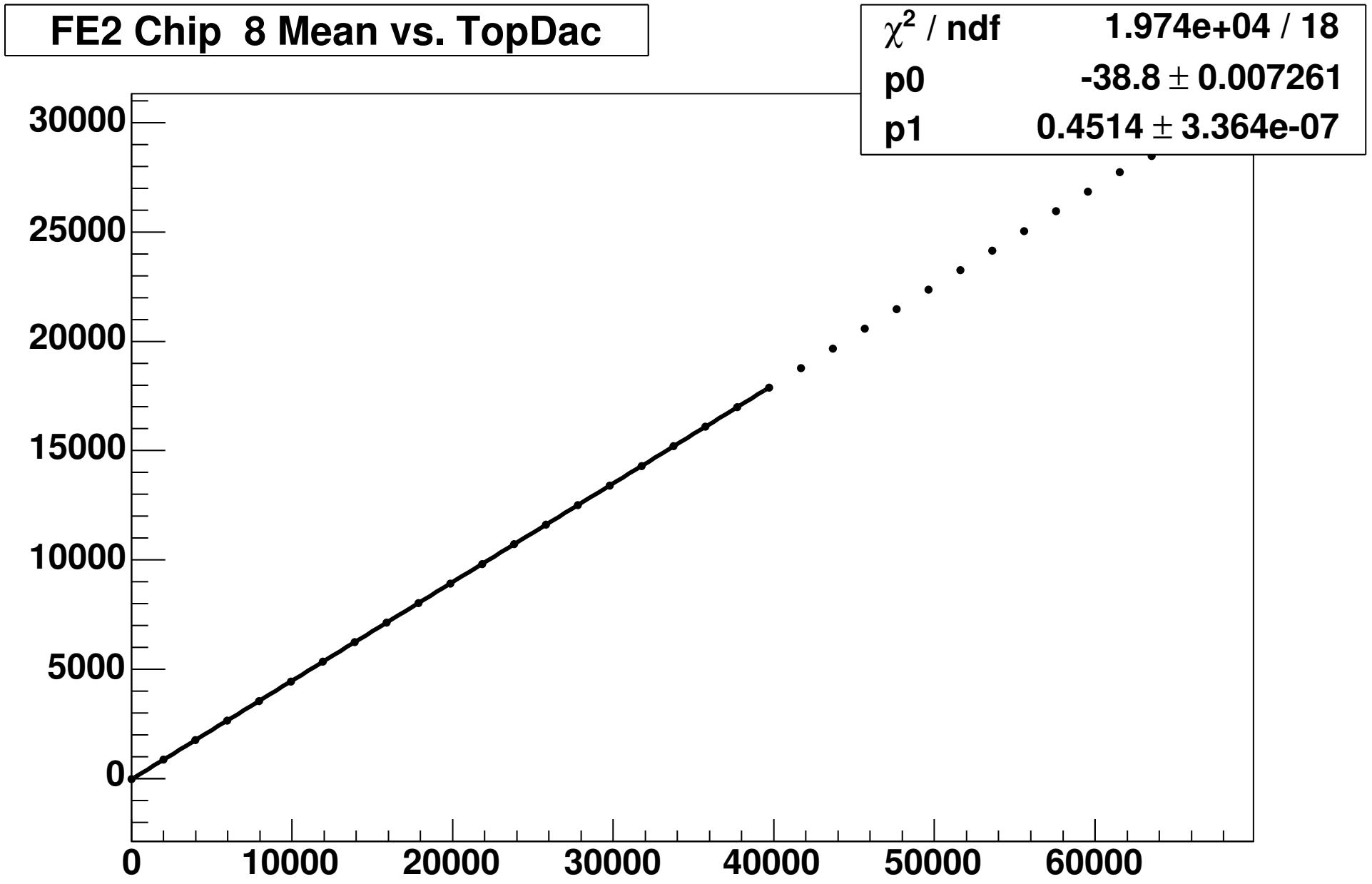

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 26.18 / 18
p0 1.417 ± 0.003653
p1 4.938e-06 ± 1.409e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

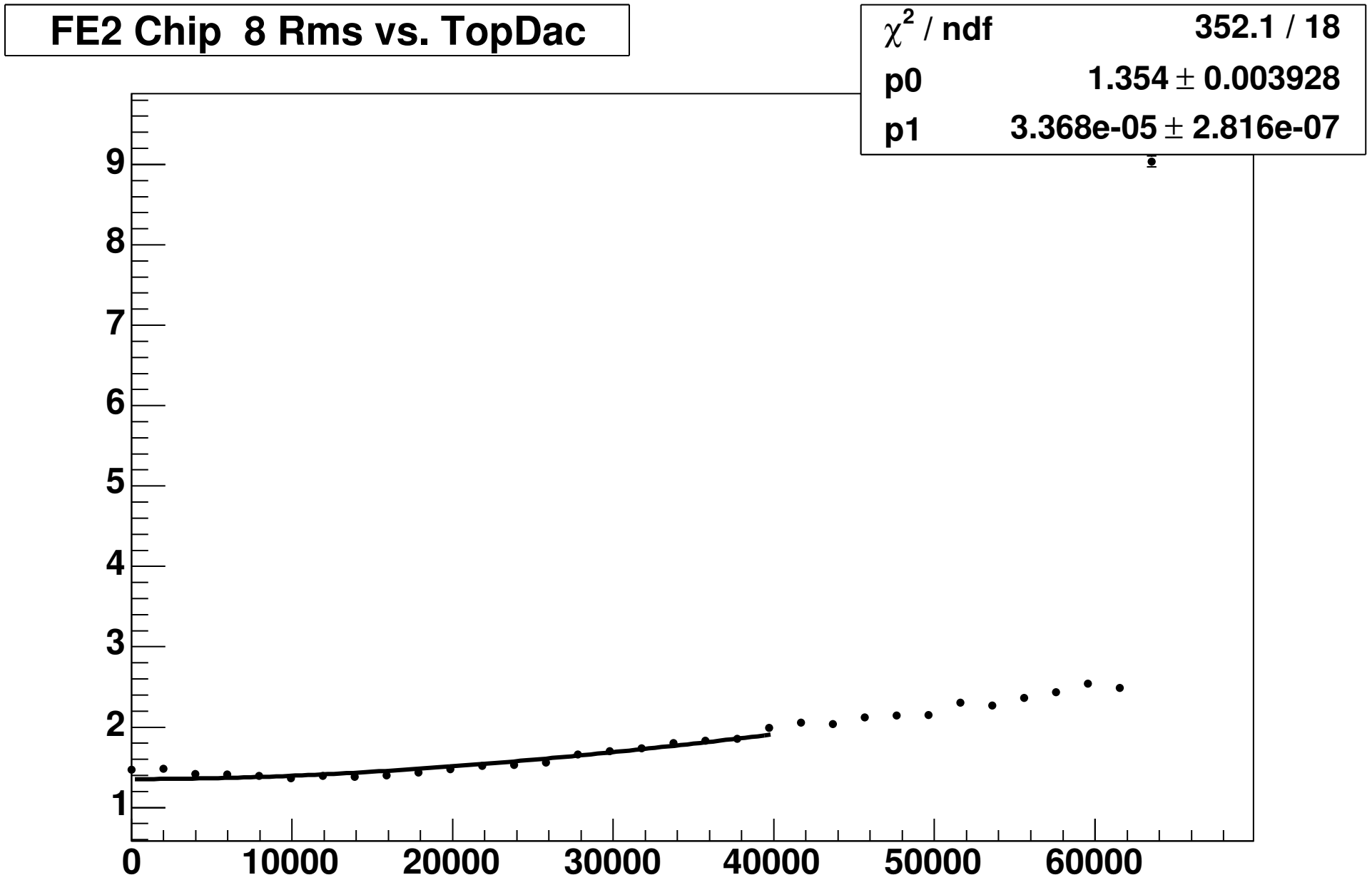

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 3.179e+04 / 18
p0 -45.7 ± 0.007087
p1 0.4519 ± 3.323e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

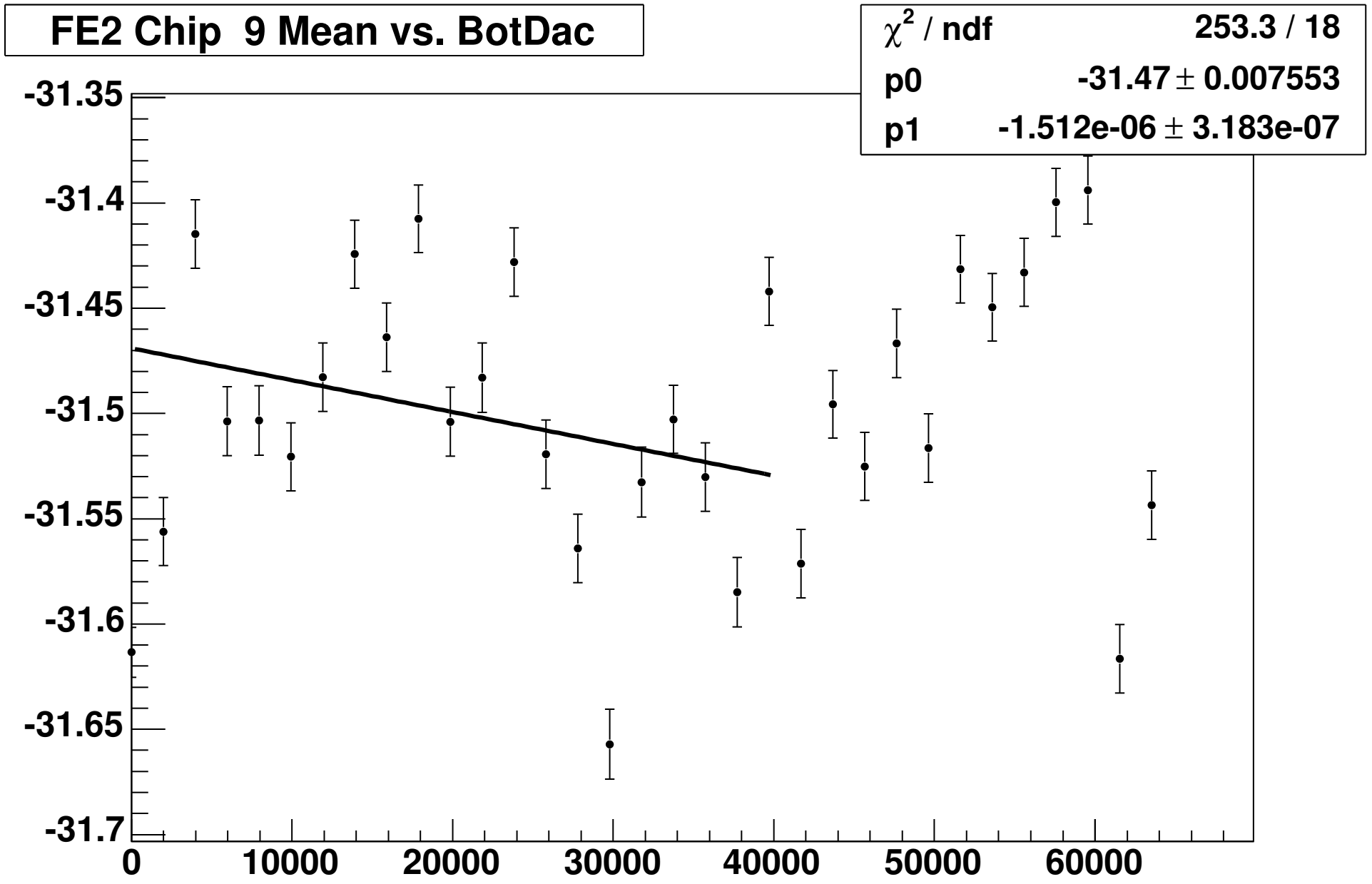

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 331.7 / 18
p0 1.332 ± 0.003898
p1 3.582e-05 ± 2.675e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 239.5 / 18
p0 -37.75 ± 0.007107
p1 -1.46e-06 ± 2.997e-07
-37.65
-37.7
-37.75
-37.8
-37.85
-37.9
-37.95
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 21.58 / 18
p0 1.44 ± 0.003706
p1 5.132e-06 ± 1.4e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.974e+04 / 18
p0 -38.8 ± 0.007261
p1 0.4514 ± 3.364e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 352.1 / 18
p0 1.354 ± 0.003928
p1 3.368e-05 ± 2.816e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 253.3 / 18
p0 -31.47 ± 0.007553
p1 -1.512e-06 ± 3.183e-07
-31.35
-31.4
-31.45
-31.5
-31.55
-31.6
-31.65
-31.7
0
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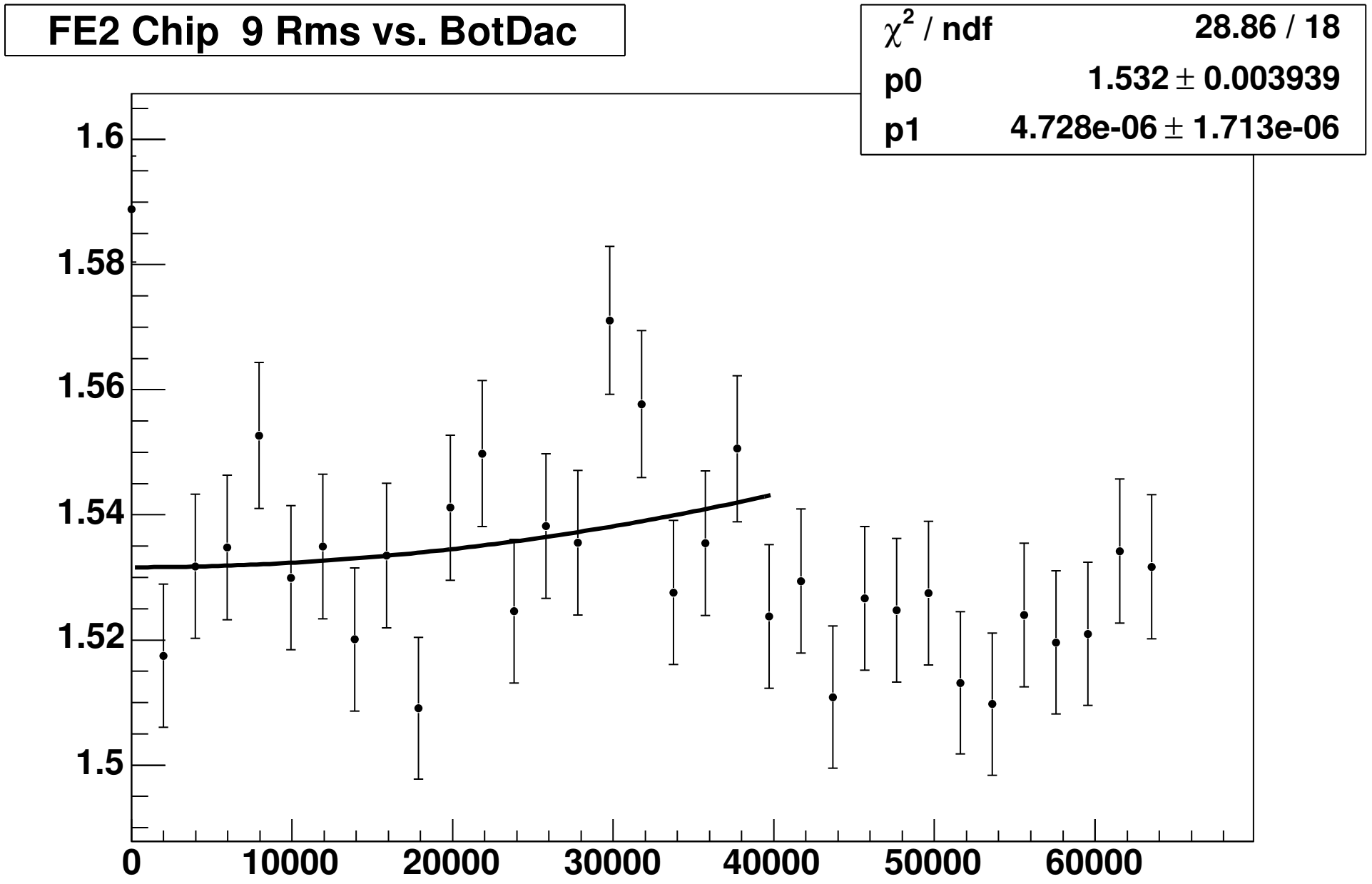
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 28.86 / 18
p0 1.532 ± 0.003939
p1 4.728e-06 ± 1.713e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
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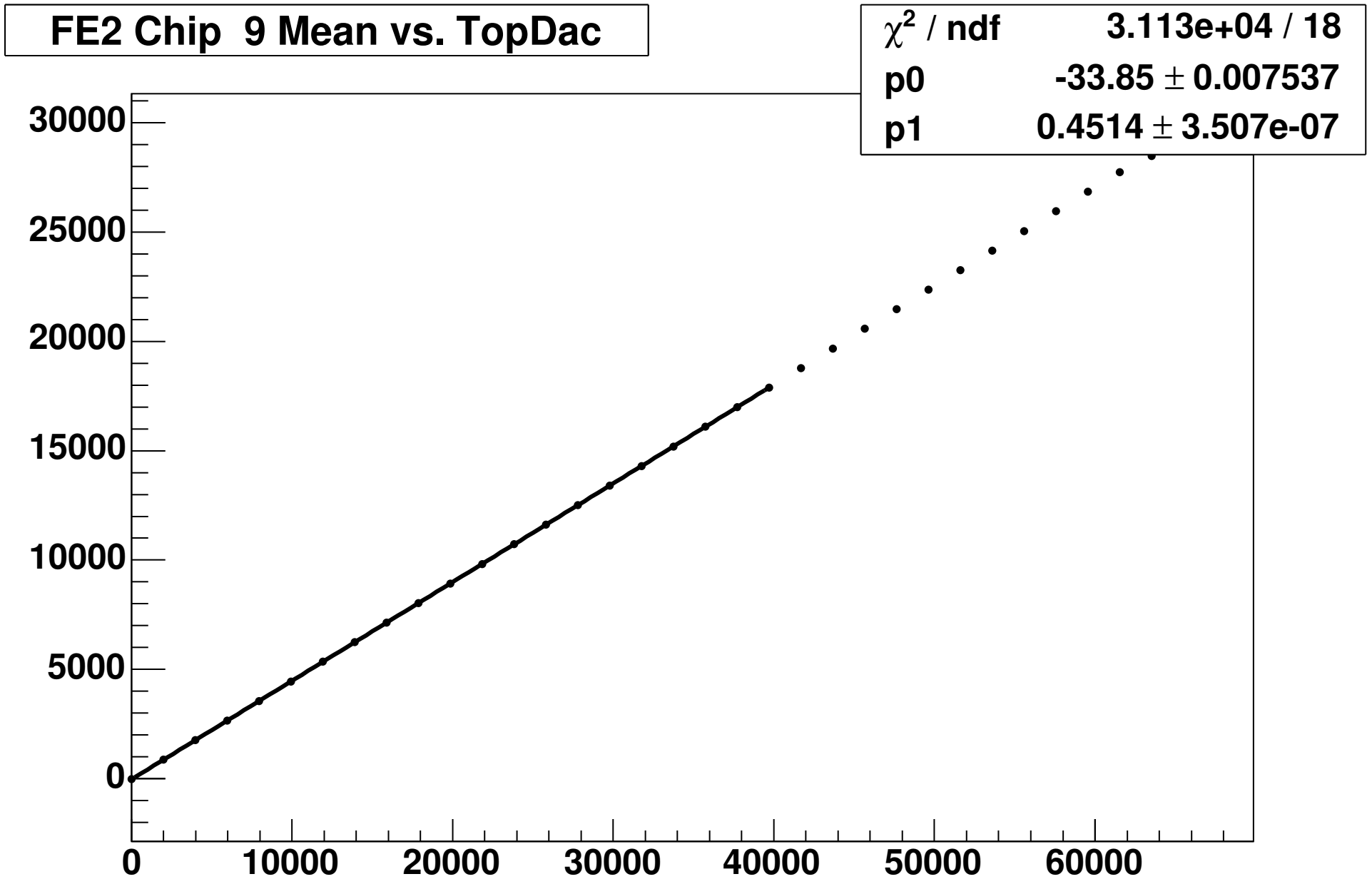
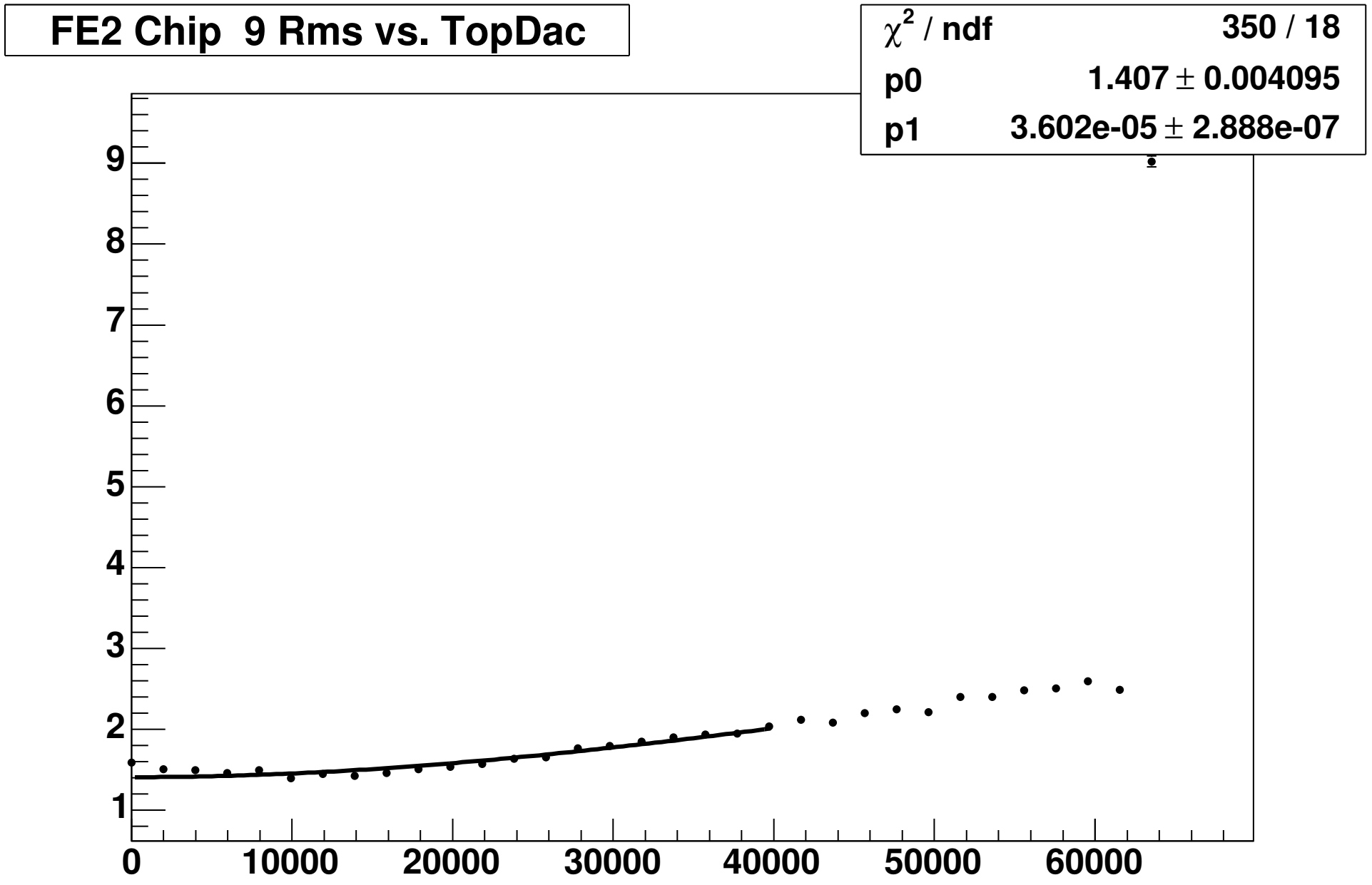
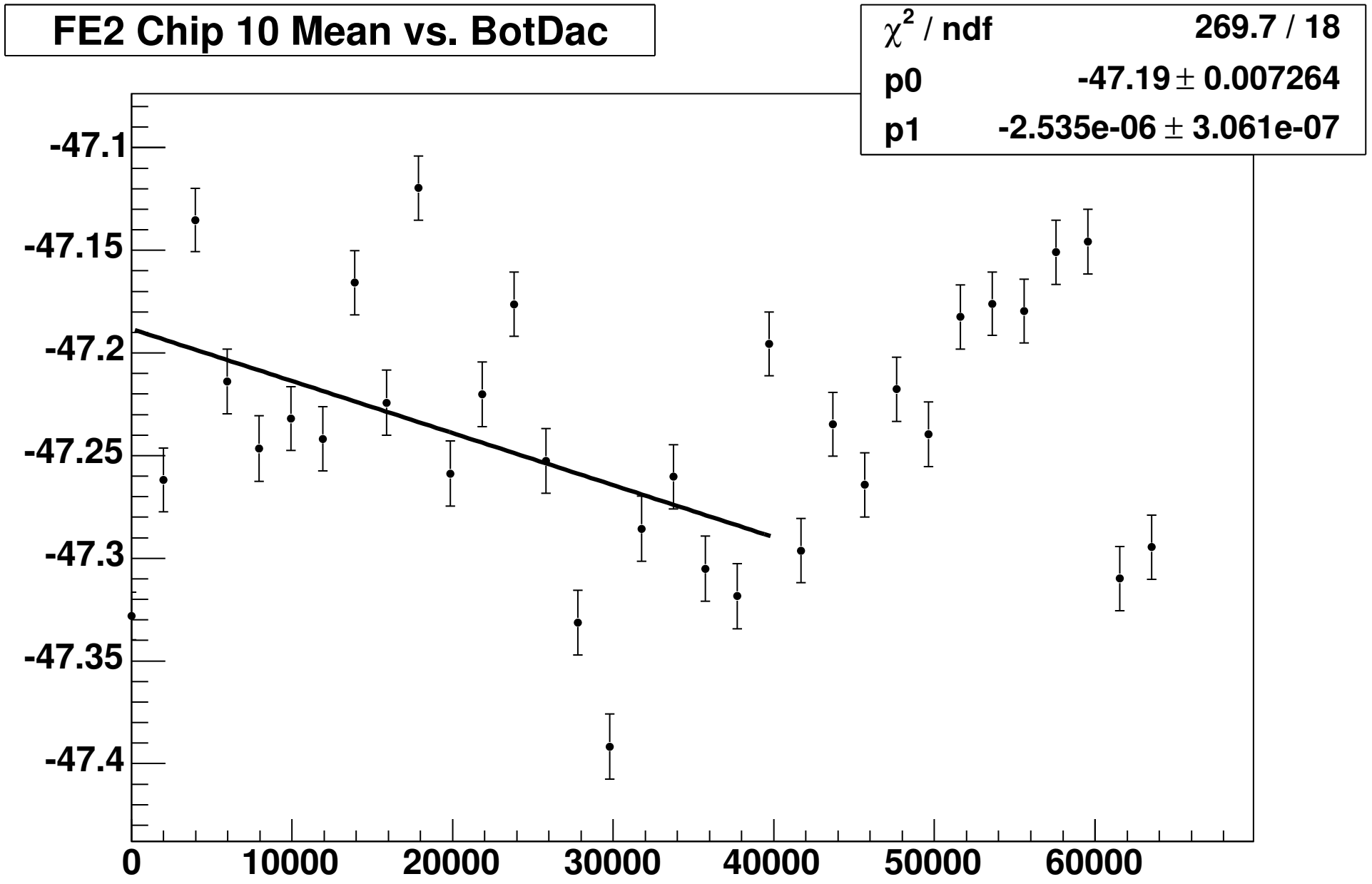
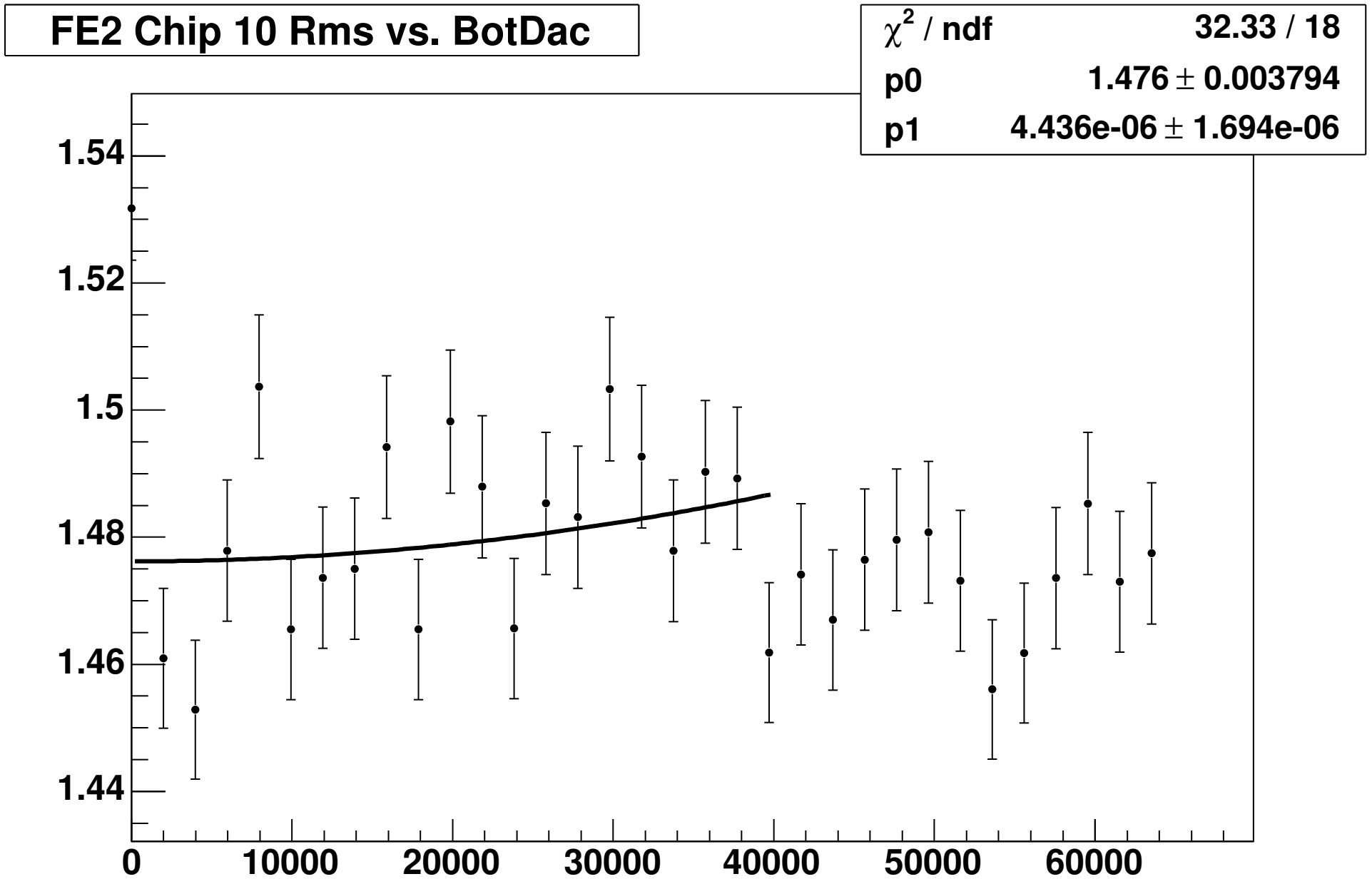
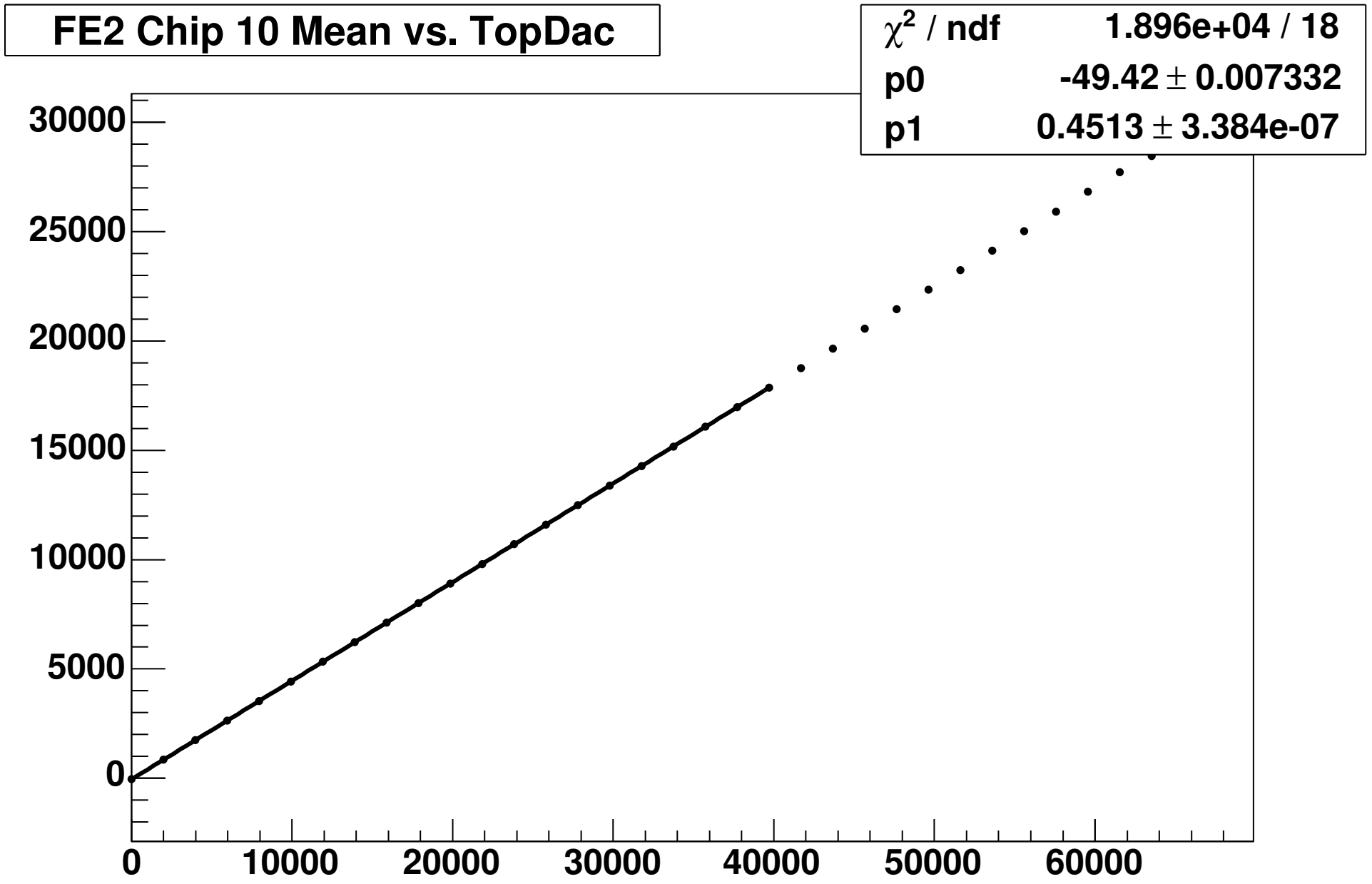
50000
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.113e+04 / 18
p0 -33.85 ± 0.007537
p1 0.4514 ± 3.507e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 350 / 18
p0 1.407 ± 0.004095
p1 3.602e-05 ± 2.888e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 269.7 / 18
p0 -47.19 ± 0.007264
p1 -2.535e-06 ± 3.061e-07
-47.1
-47.15
-47.2
-47.25
-47.3
-47.35
-47.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 32.33 / 18
p0 1.476 ± 0.003794
p1 4.436e-06 ± 1.694e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.896e+04 / 18
p0 -49.42 ± 0.007332
p1 0.4513 ± 3.384e-07
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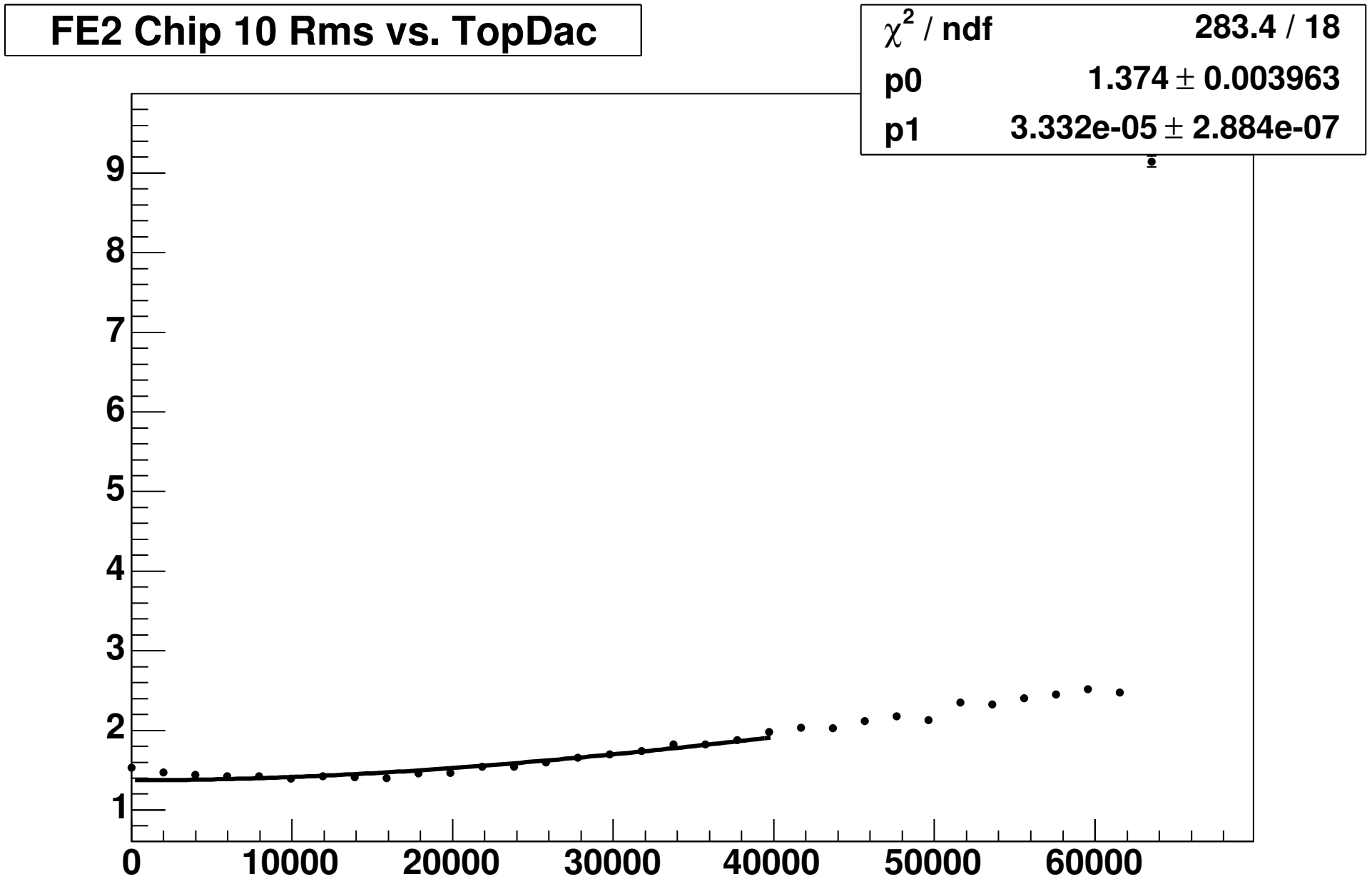
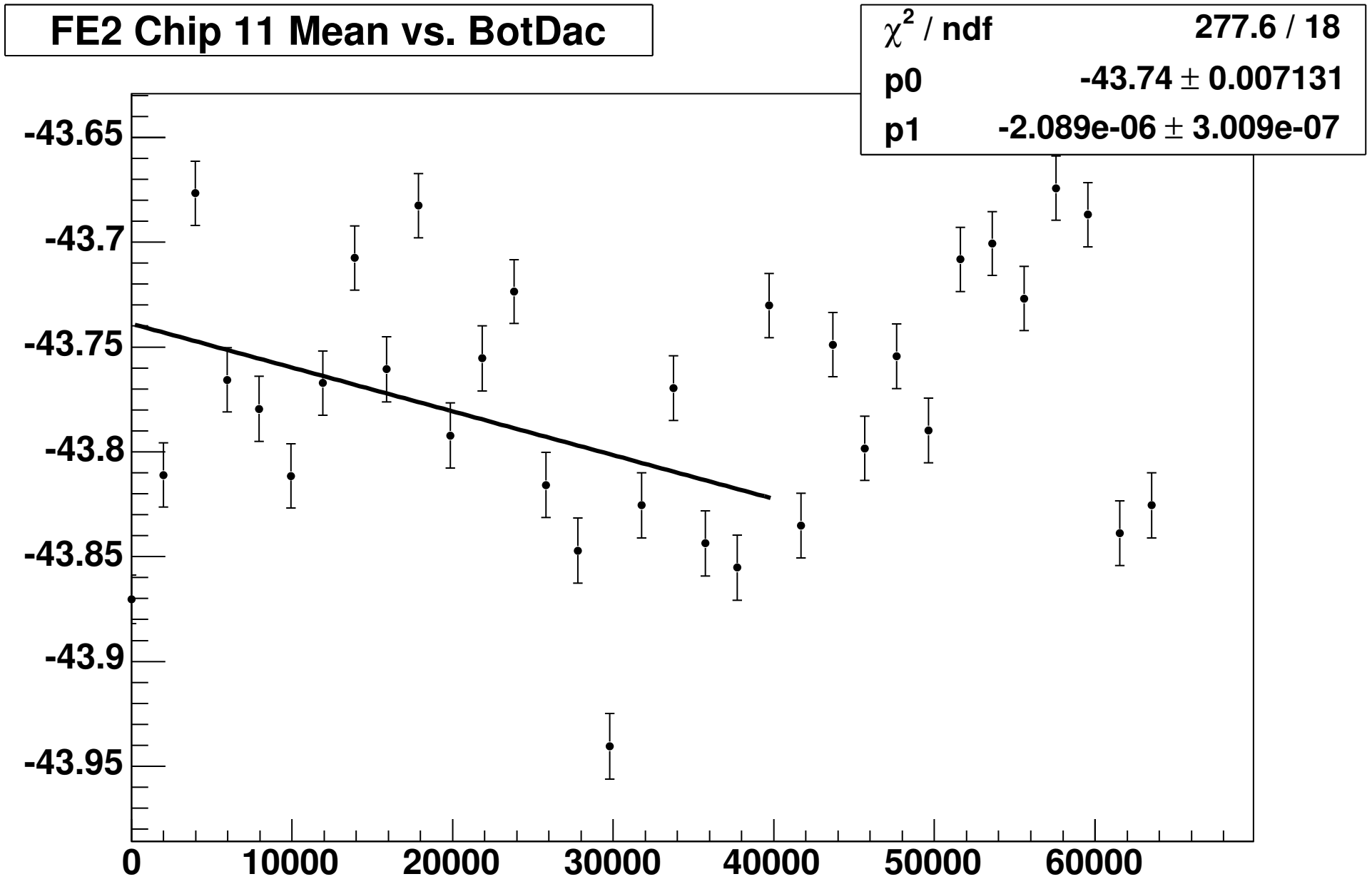
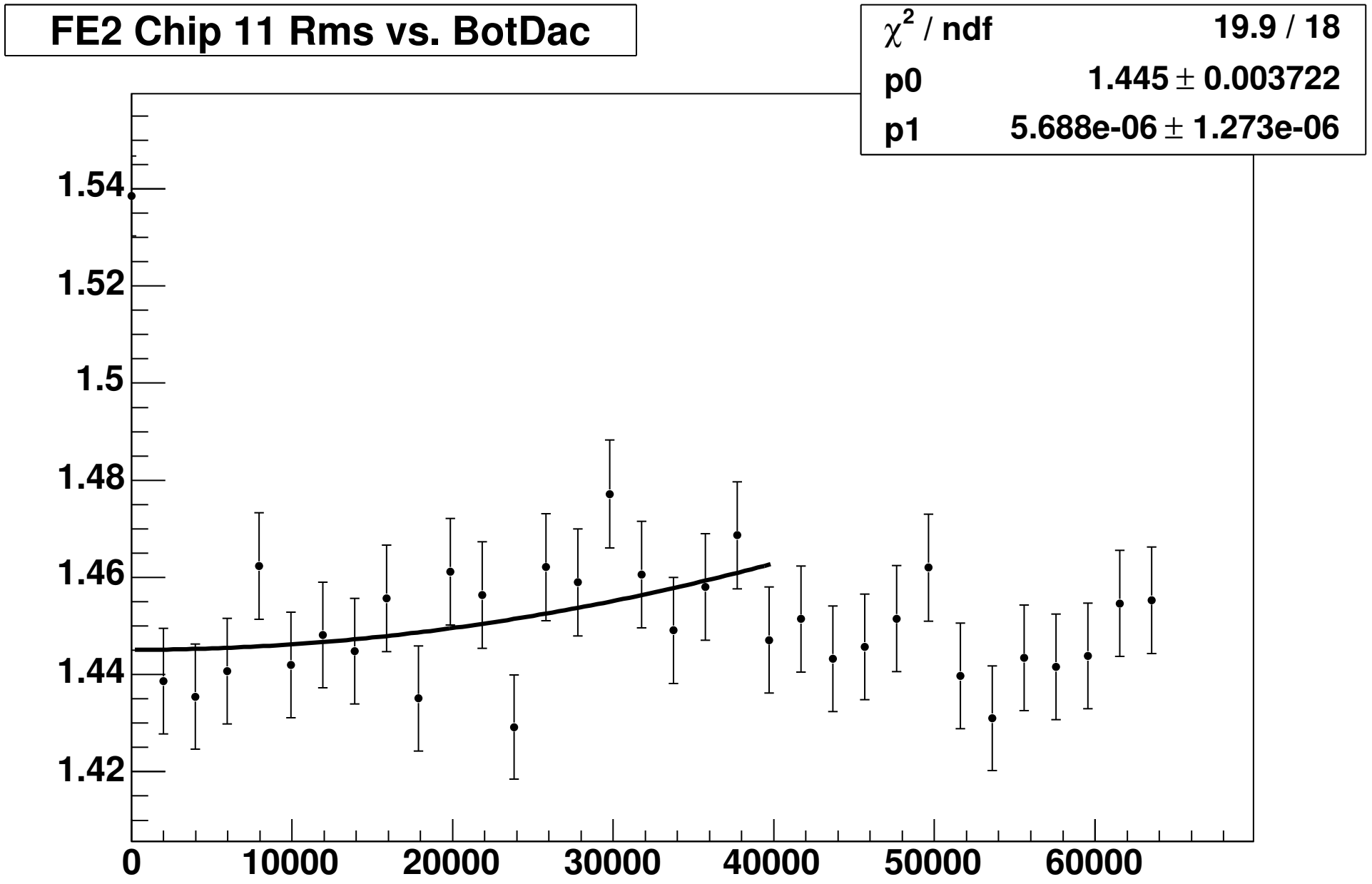
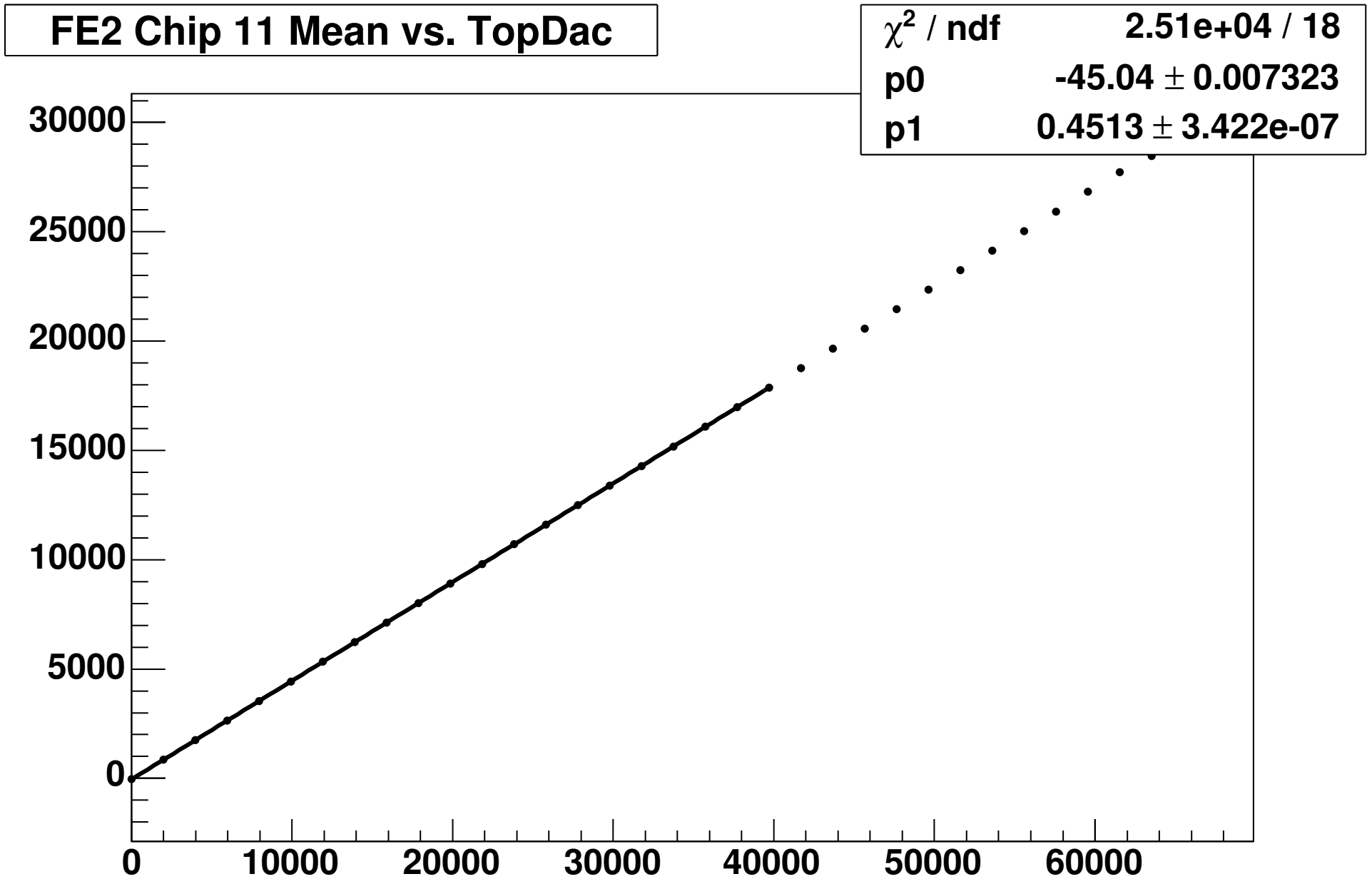
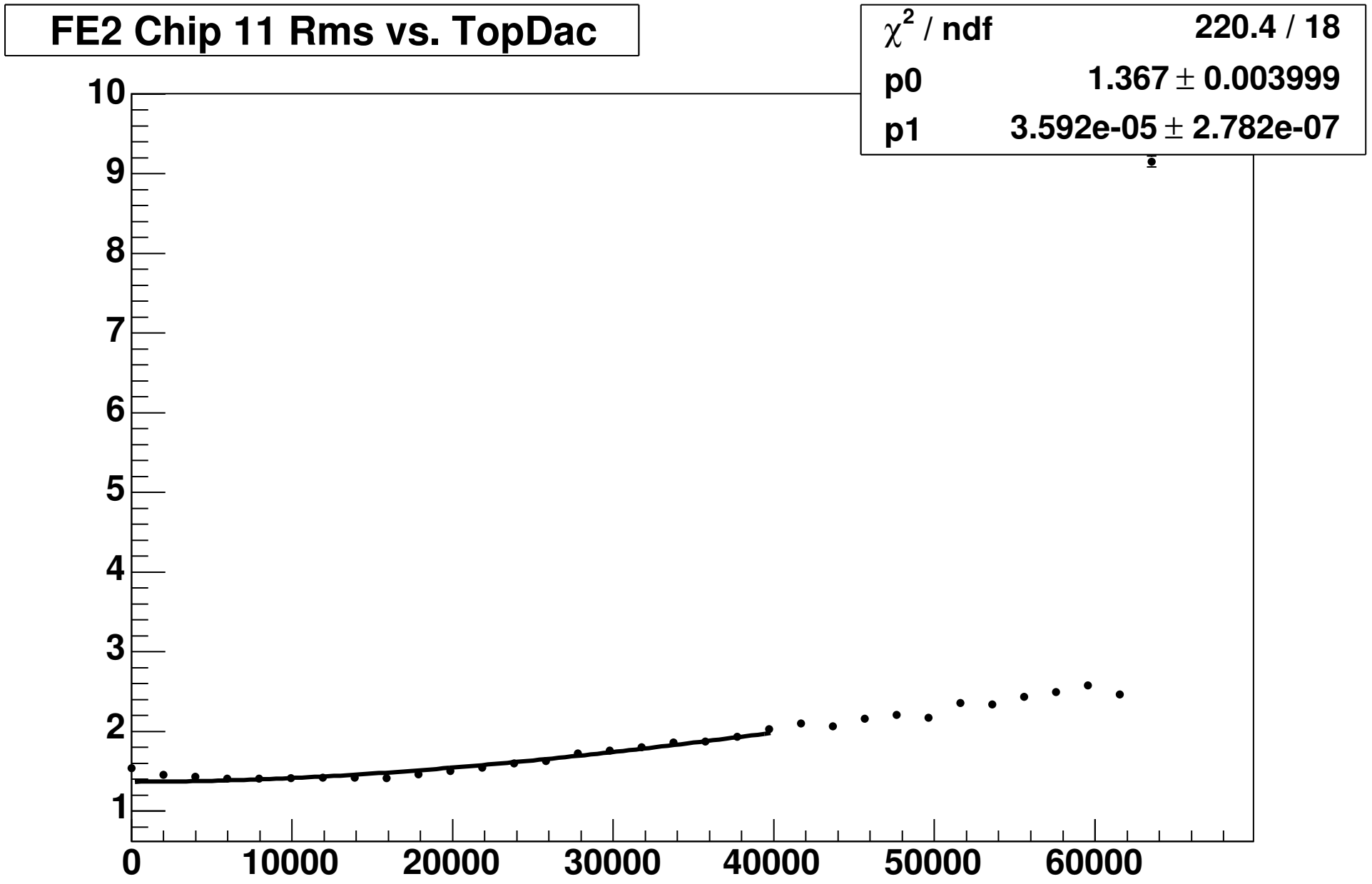
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

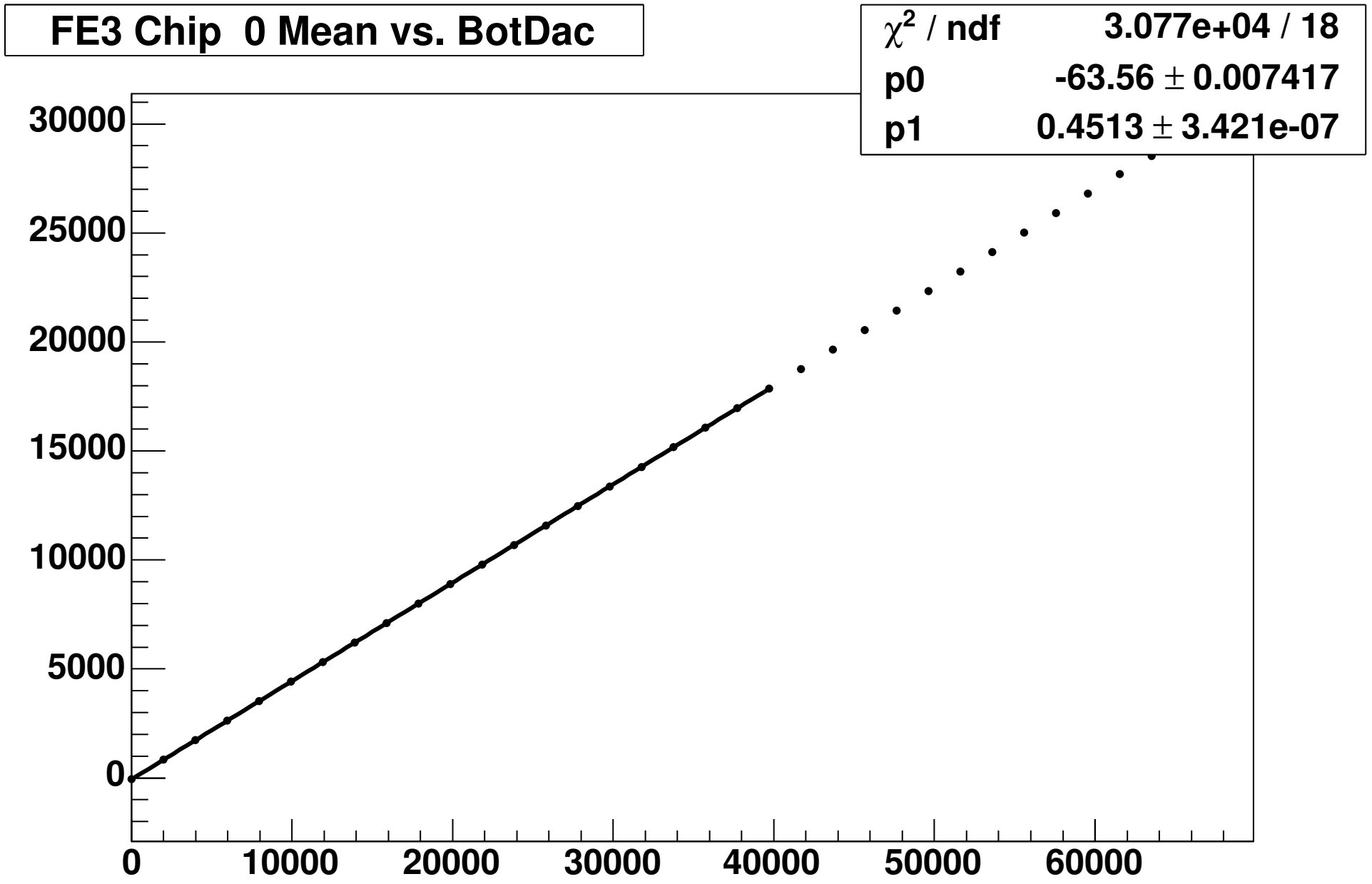

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 283.4 / 18
p0 1.374 ± 0.003963
p1 3.332e-05 ± 2.884e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

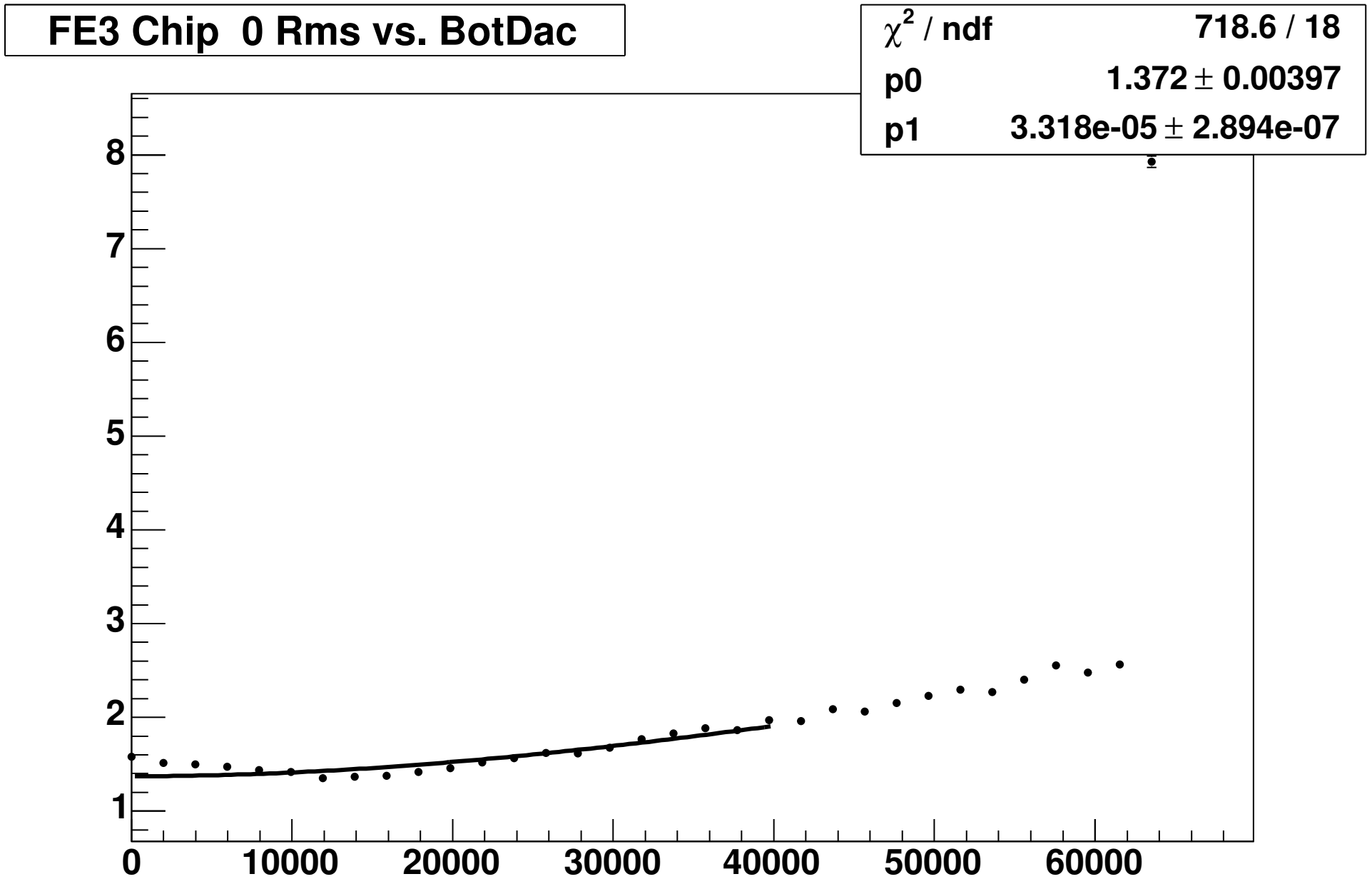

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 277.6 / 18
p0 -43.74 ± 0.007131
p1 -2.089e-06 ± 3.009e-07
-43.65
-43.7
-43.75
-43.8
-43.85
-43.9
-43.95
0
10000
20000
30000
40000
50000
60000

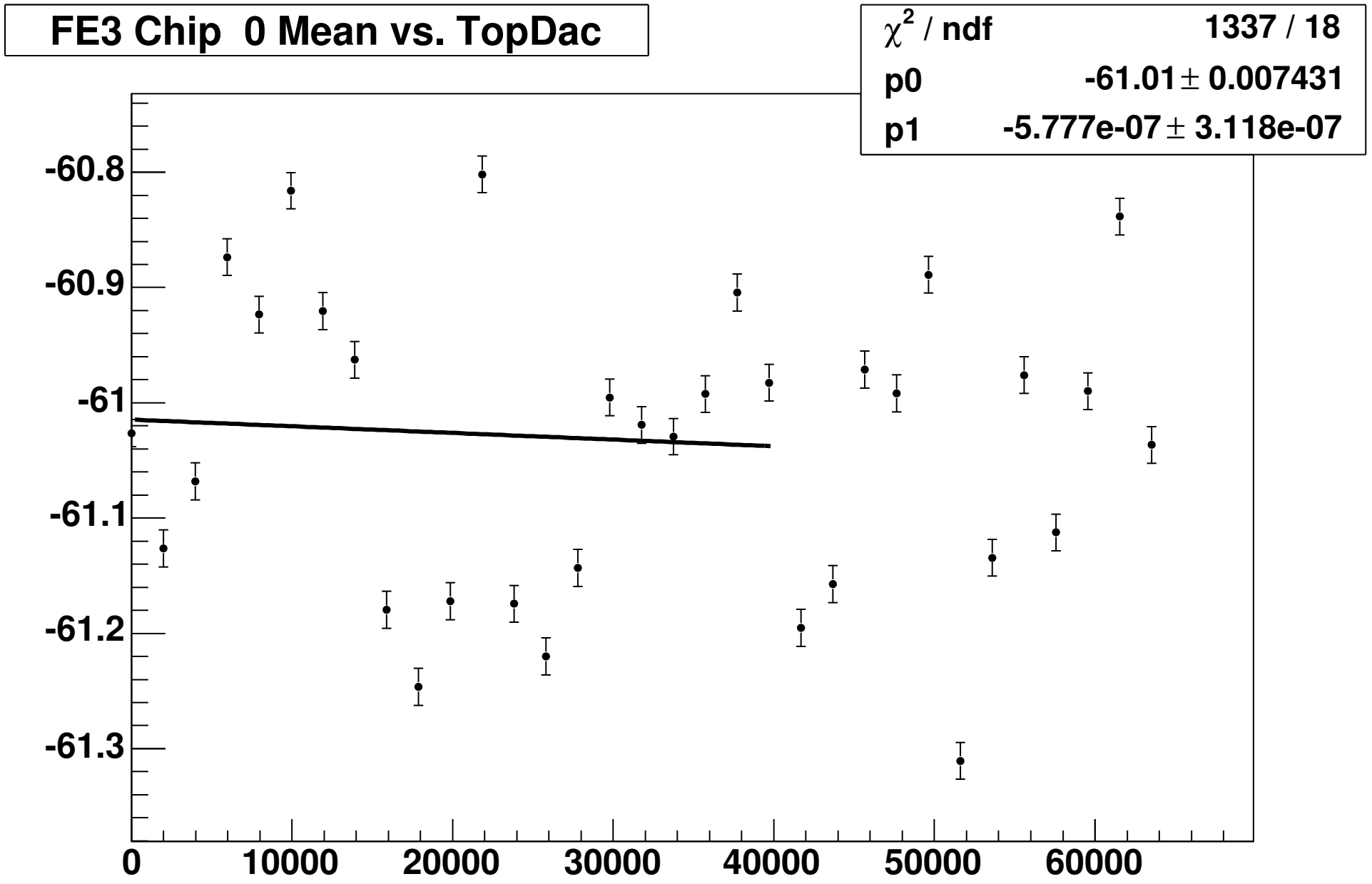

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 19.9 / 18
p0 1.445 ± 0.003722
p1 5.688e-06 ± 1.273e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

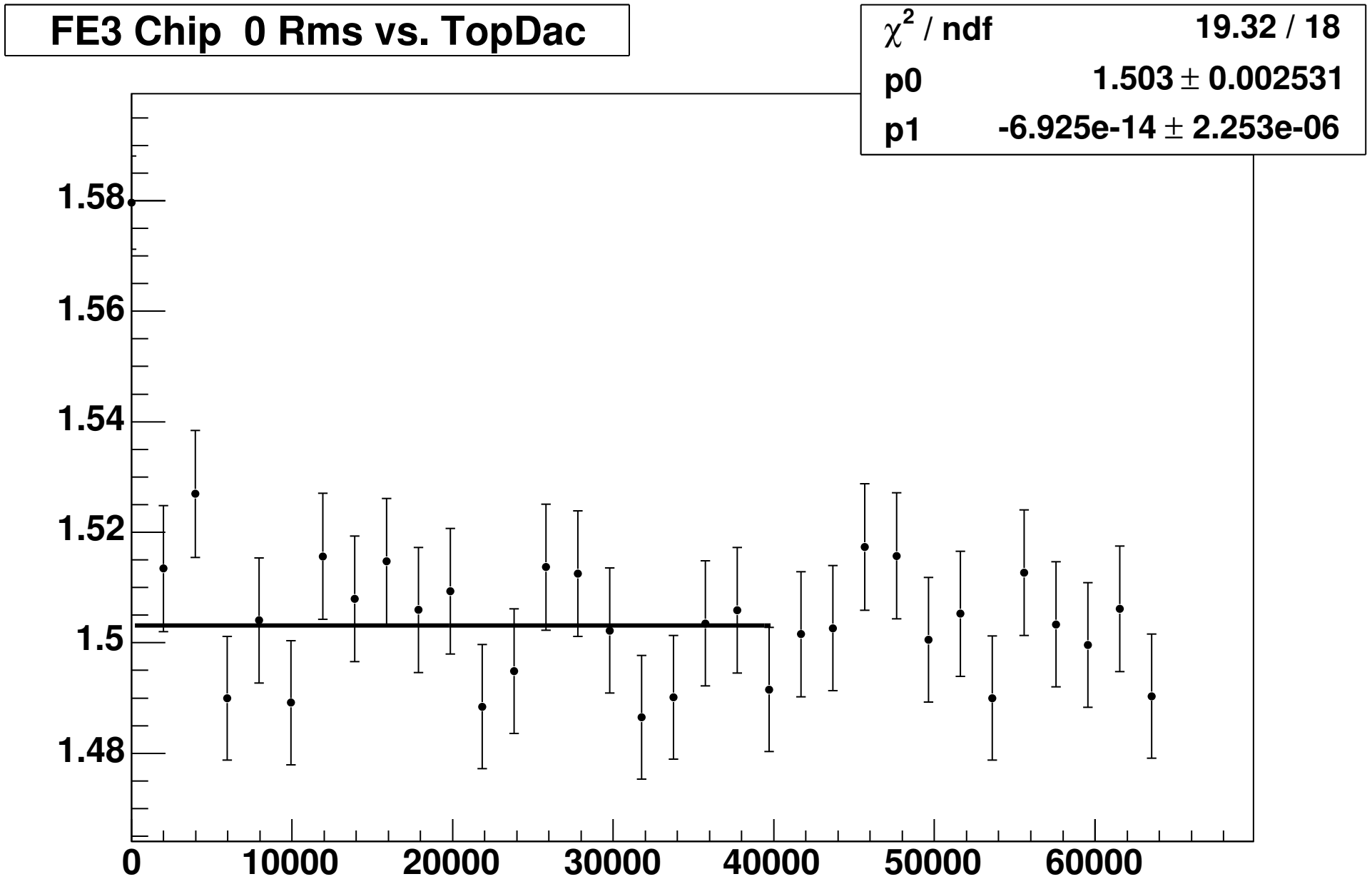

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 2.51e+04 / 18
p0 -45.04 ± 0.007323
p1 0.4513 ± 3.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

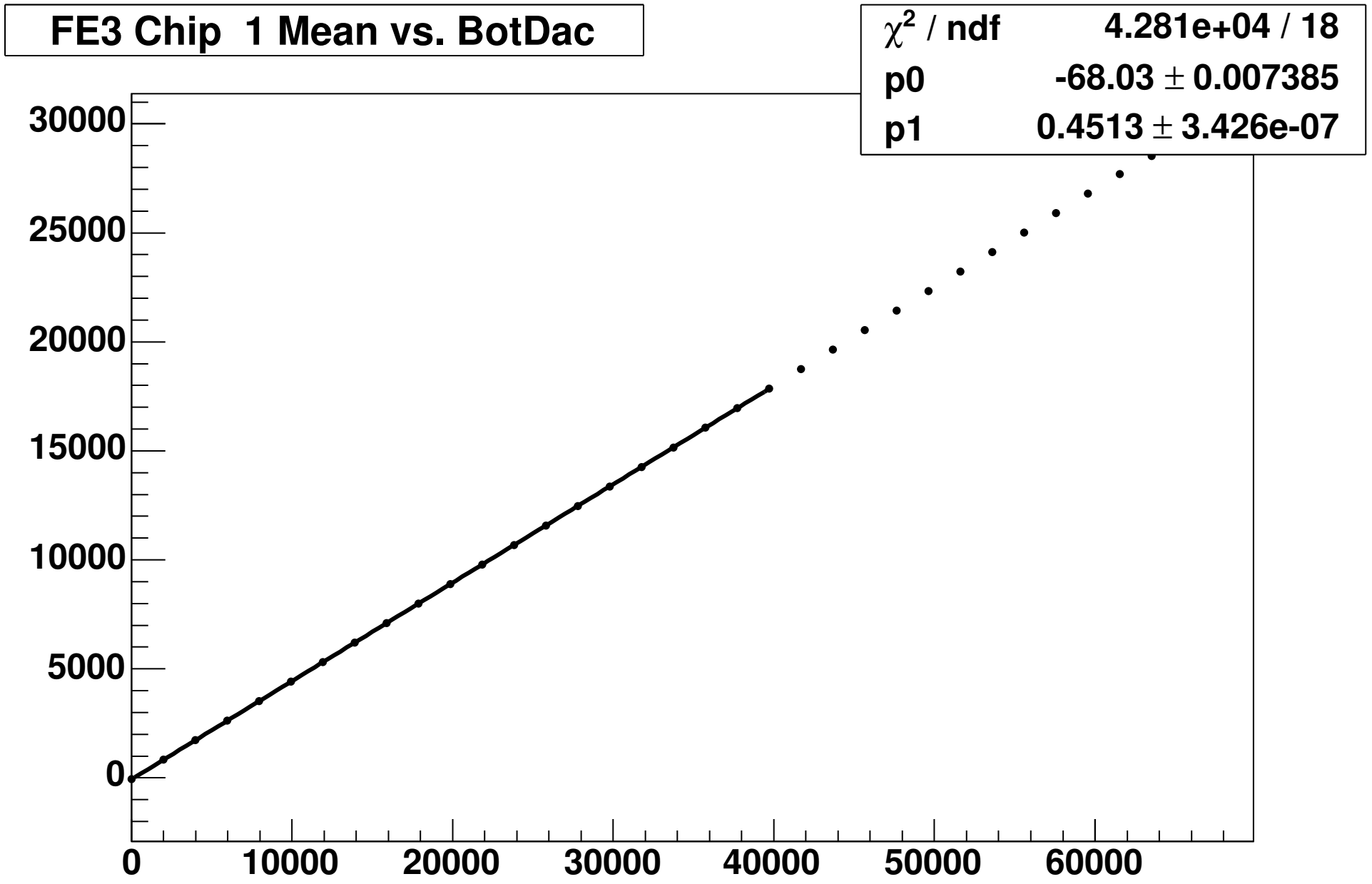

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 220.4 / 18
p0 1.367 ± 0.003999
p1 3.592e-05 ± 2.782e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

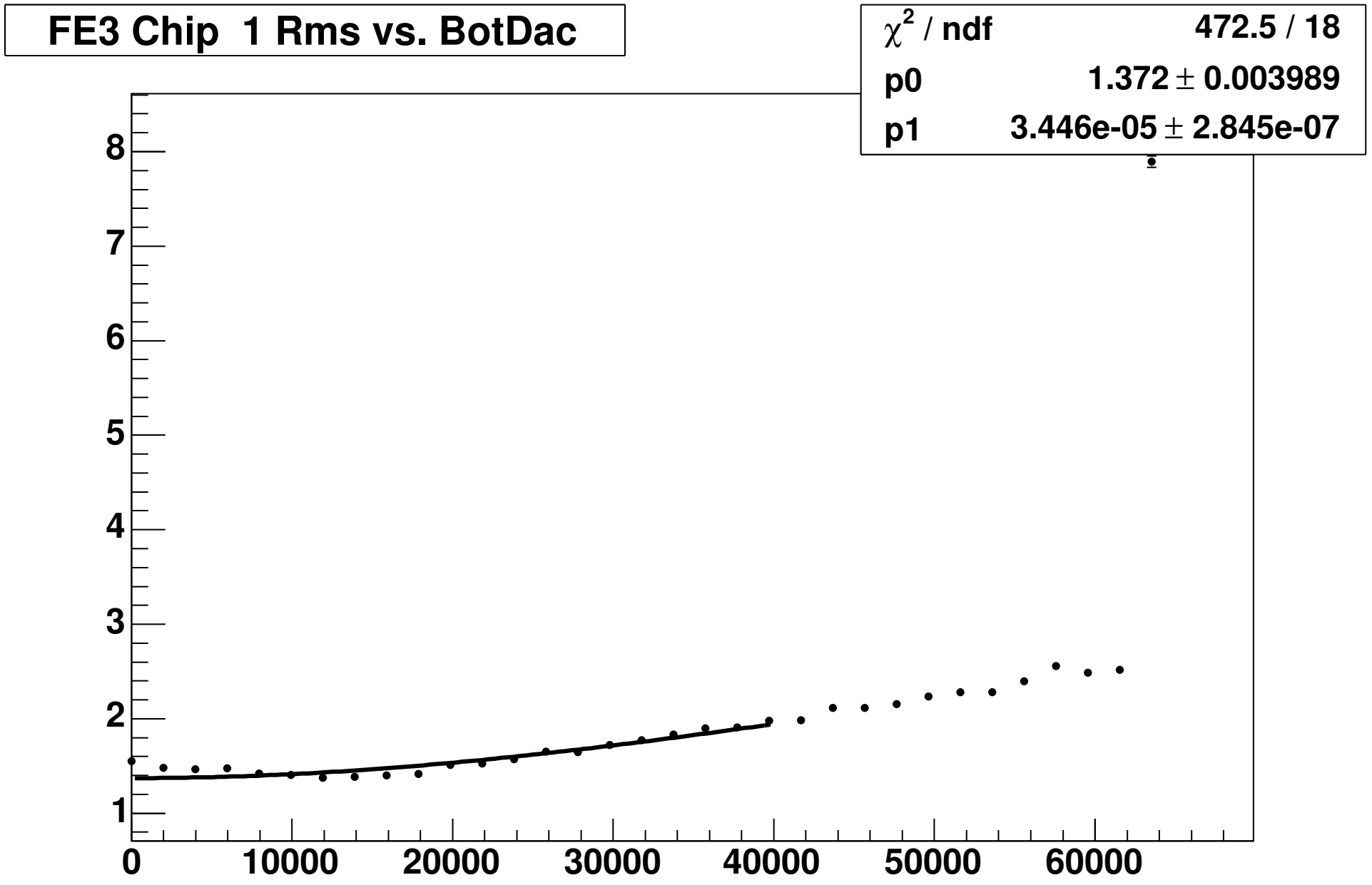

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 3.077e+04 / 18
p0 -63.56 ± 0.007417
p1 0.4513 ± 3.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

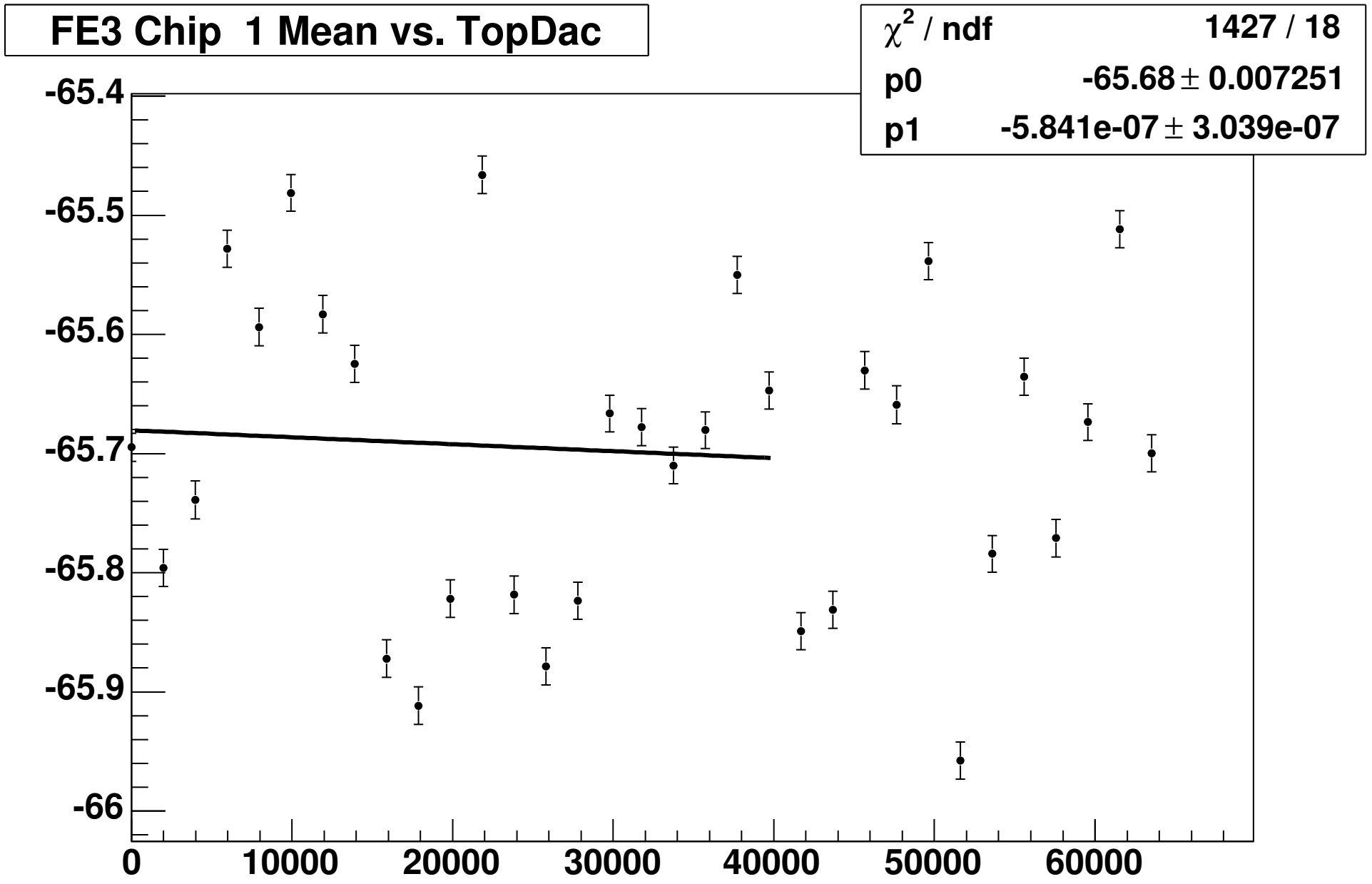

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 718.6 / 18
p0 1.372 ± 0.00397
p1 3.318e-05 ± 2.894e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

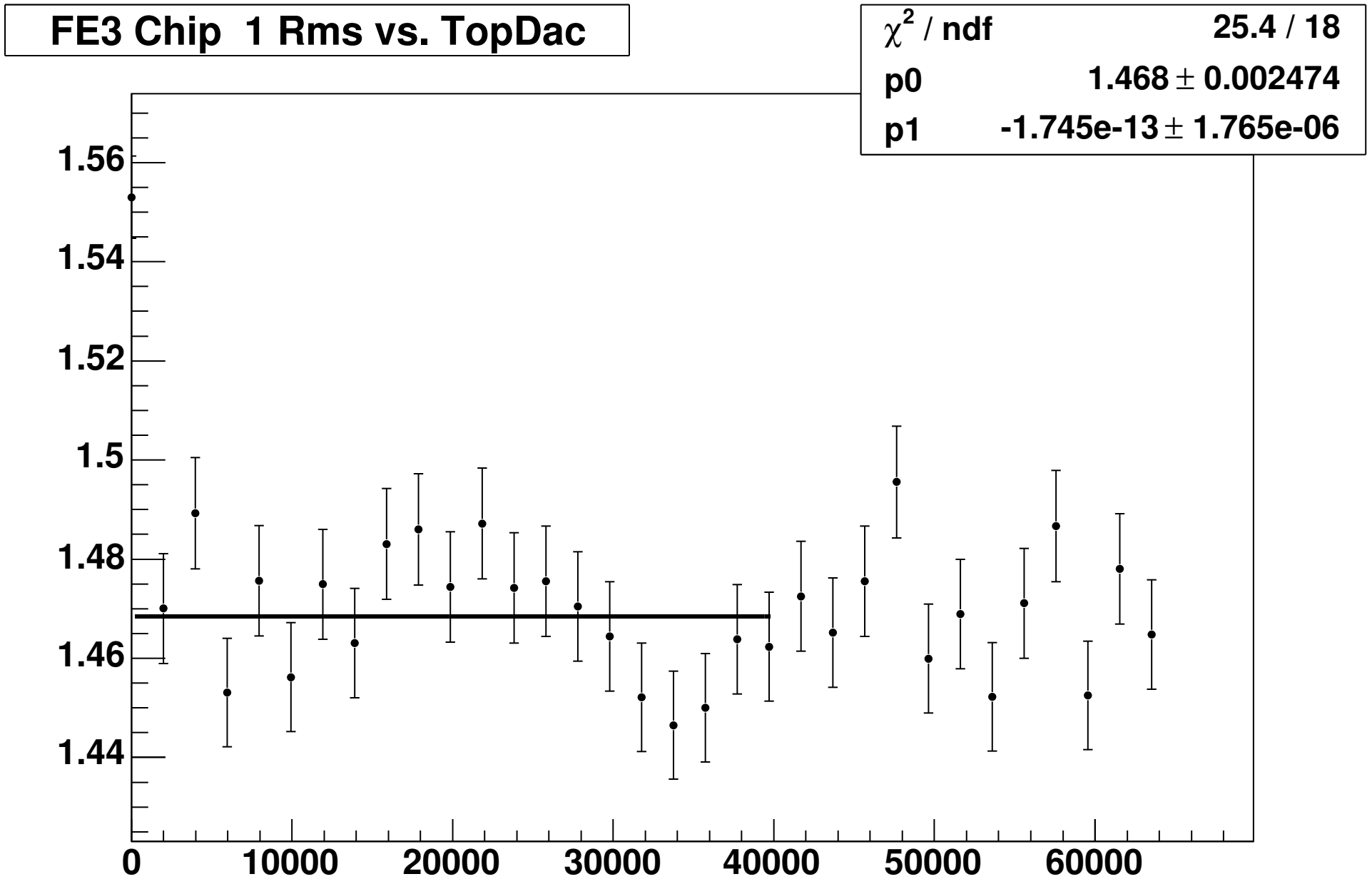

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1337 / 18
p0 -61.01 ± 0.007431
p1 -5.777e-07 ± 3.118e-07
-60.8
-60.9
-61
-61.1
-61.2
-61.3
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 19.32 / 18
p0 1.503 ± 0.002531
p1 -6.925e-14 ± 2.253e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 4.281e+04 / 18
p0 -68.03 ± 0.007385
p1 0.4513 ± 3.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 472.5 / 18
p0 1.372 ± 0.003989
p1 3.446e-05 ± 2.845e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1427 / 18
p0 -65.68 ± 0.007251
p1 -5.841e-07 ± 3.039e-07
-65.4
-65.5
-65.6
-65.7
-65.8
-65.9
-66
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 25.4 / 18
p0 1.468 ± 0.002474
p1 -1.745e-13 ± 1.765e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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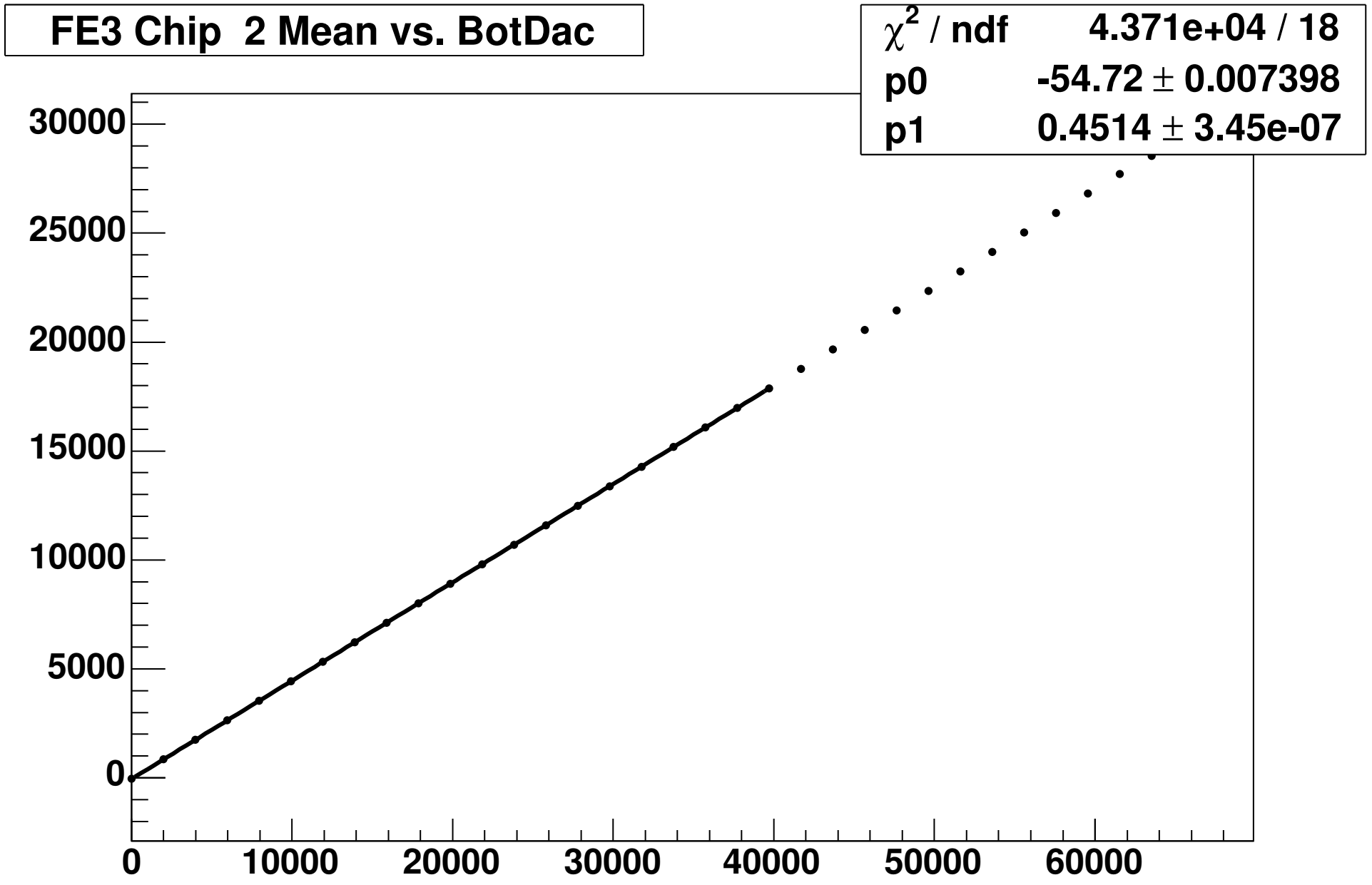
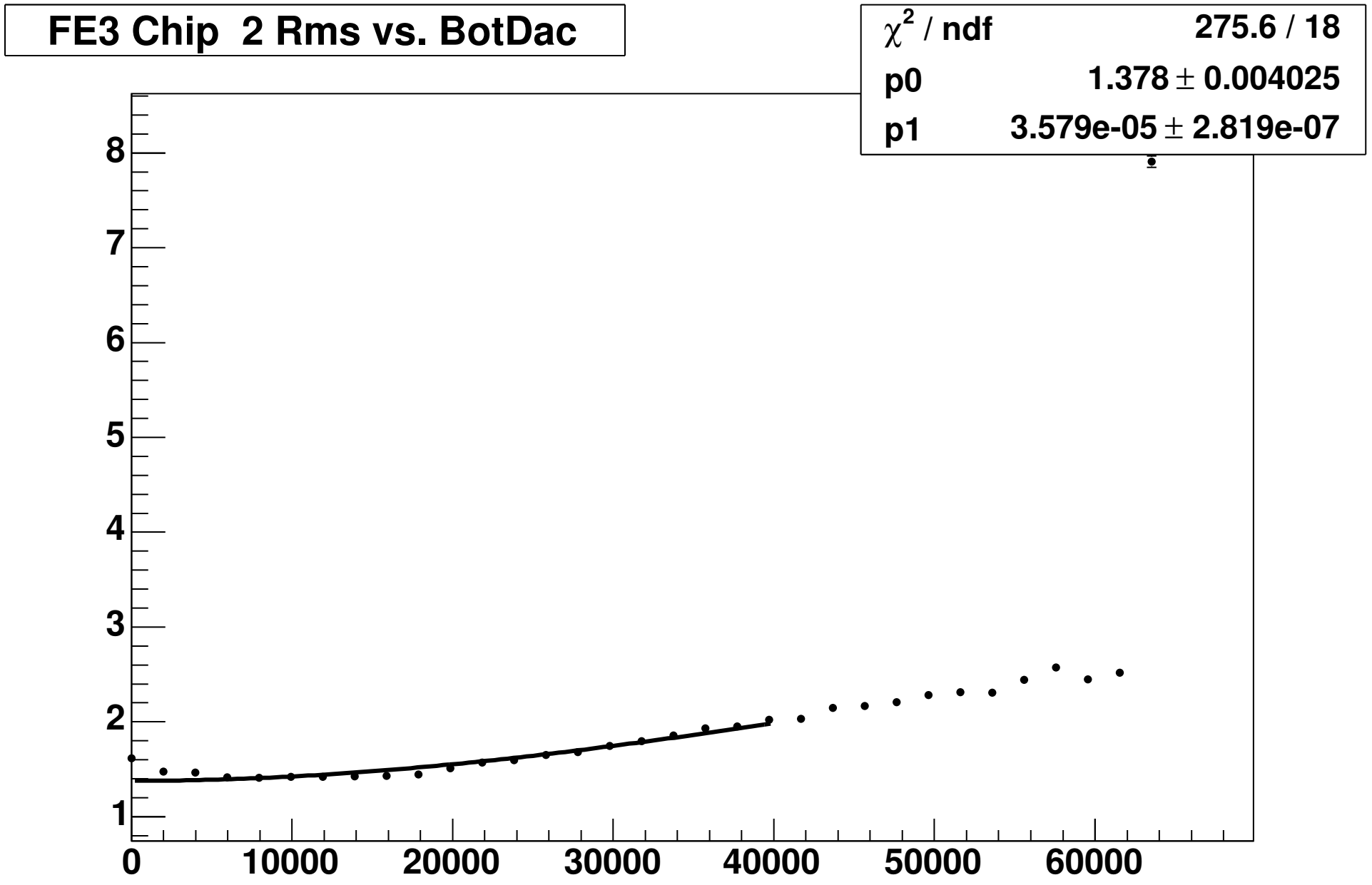
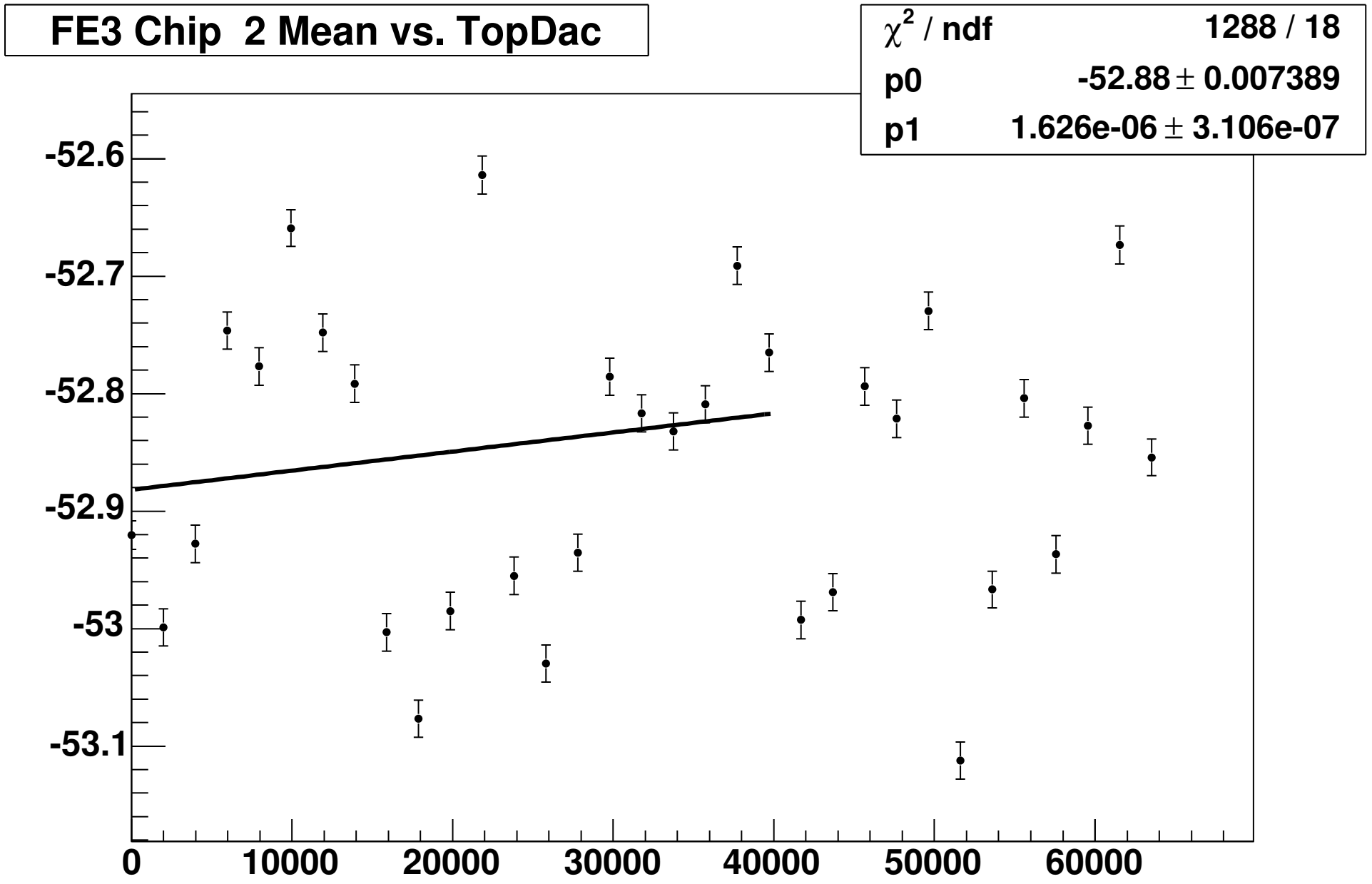
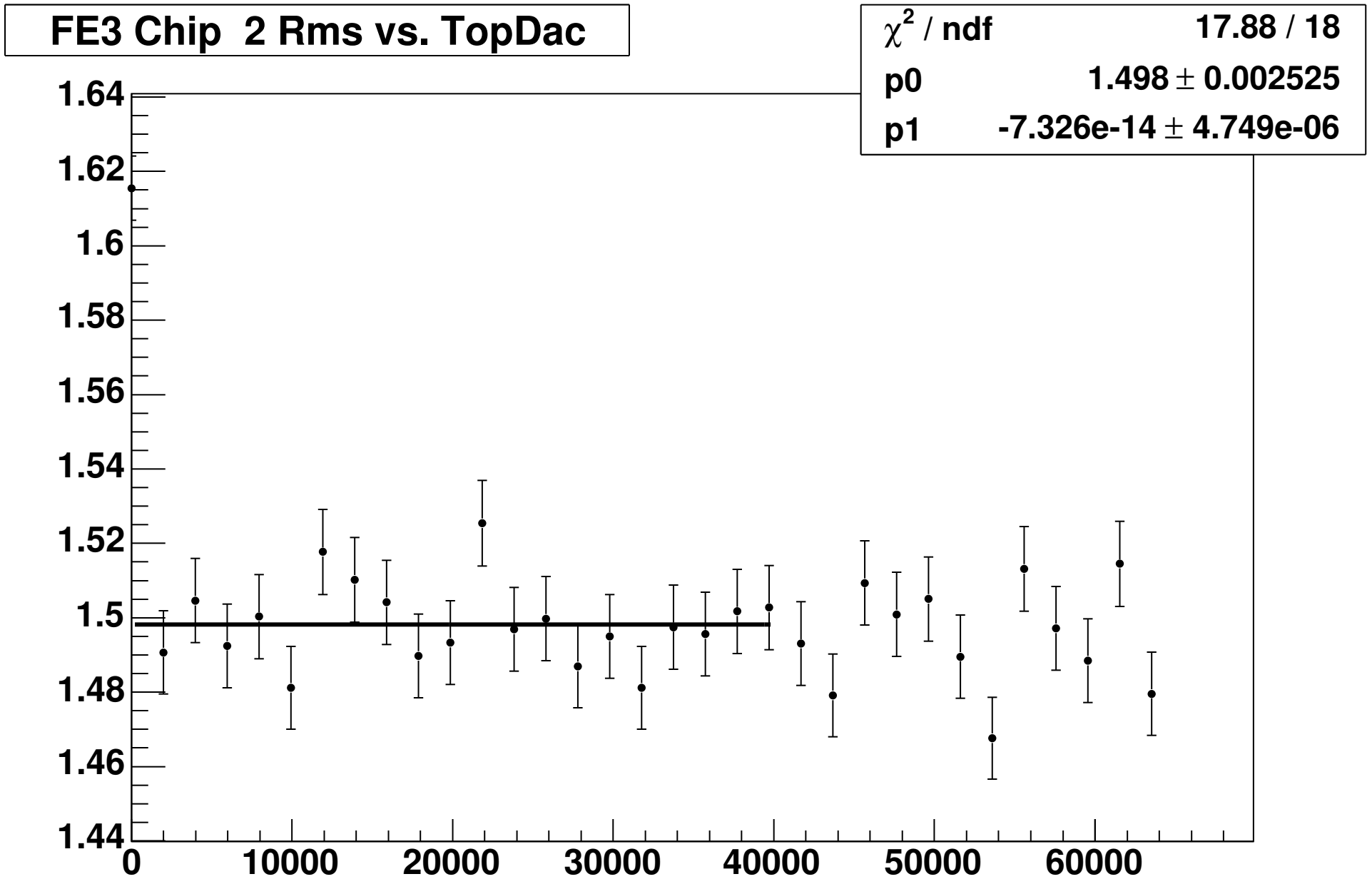
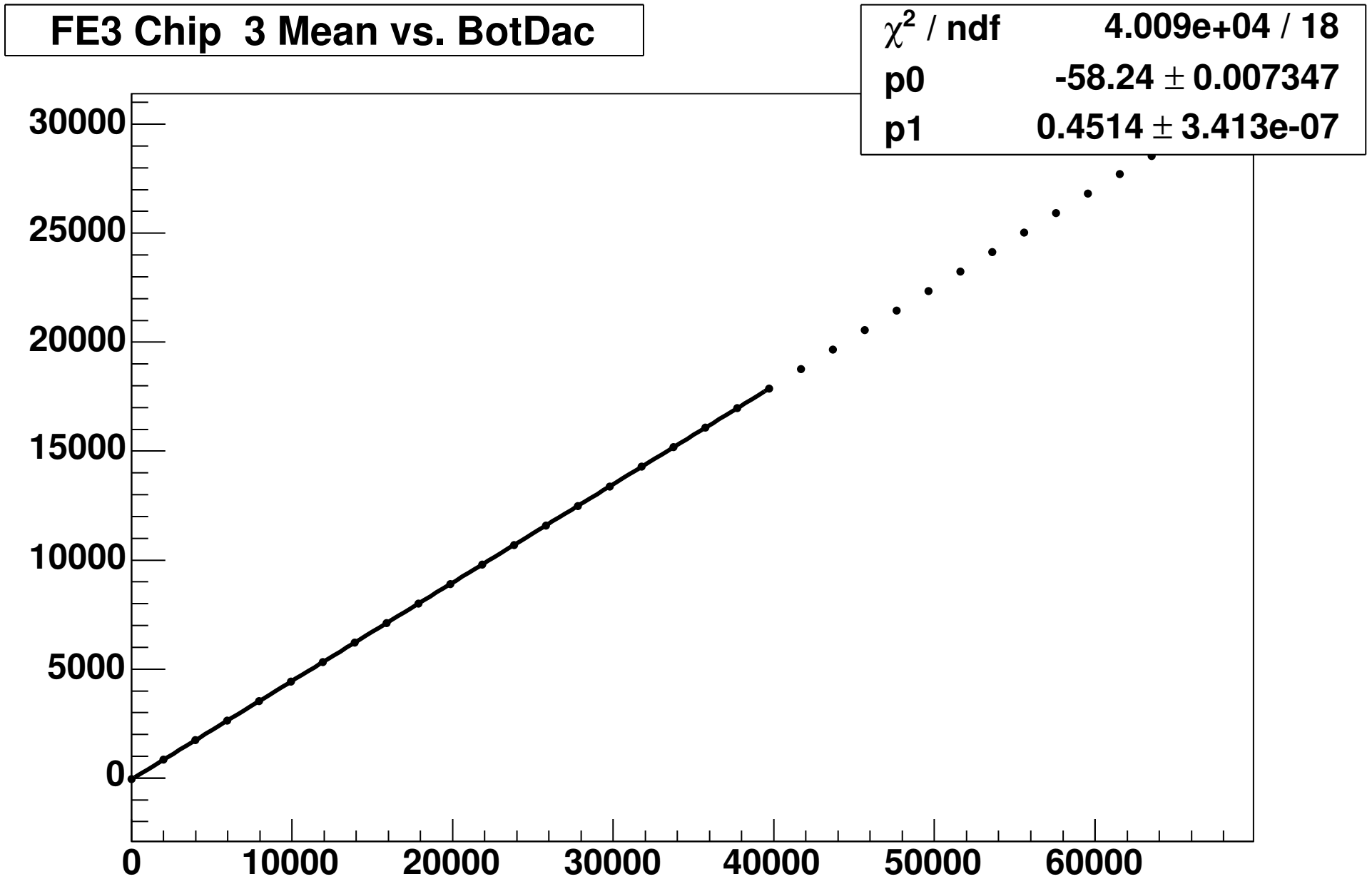
30000
40000
50000
60000

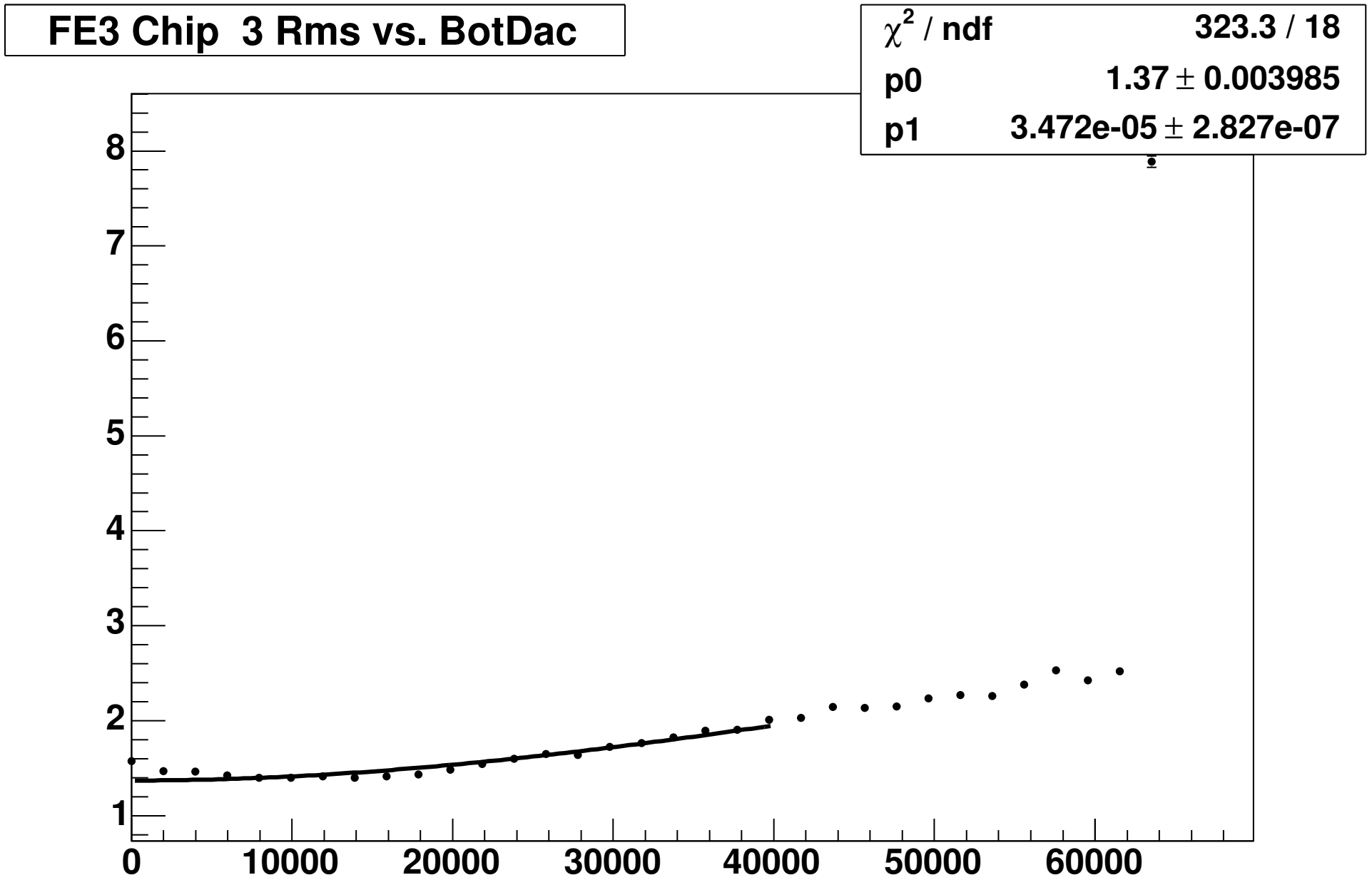

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 4.371e+04 / 18
p0 -54.72 ± 0.007398
p1 0.4514 ± 3.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

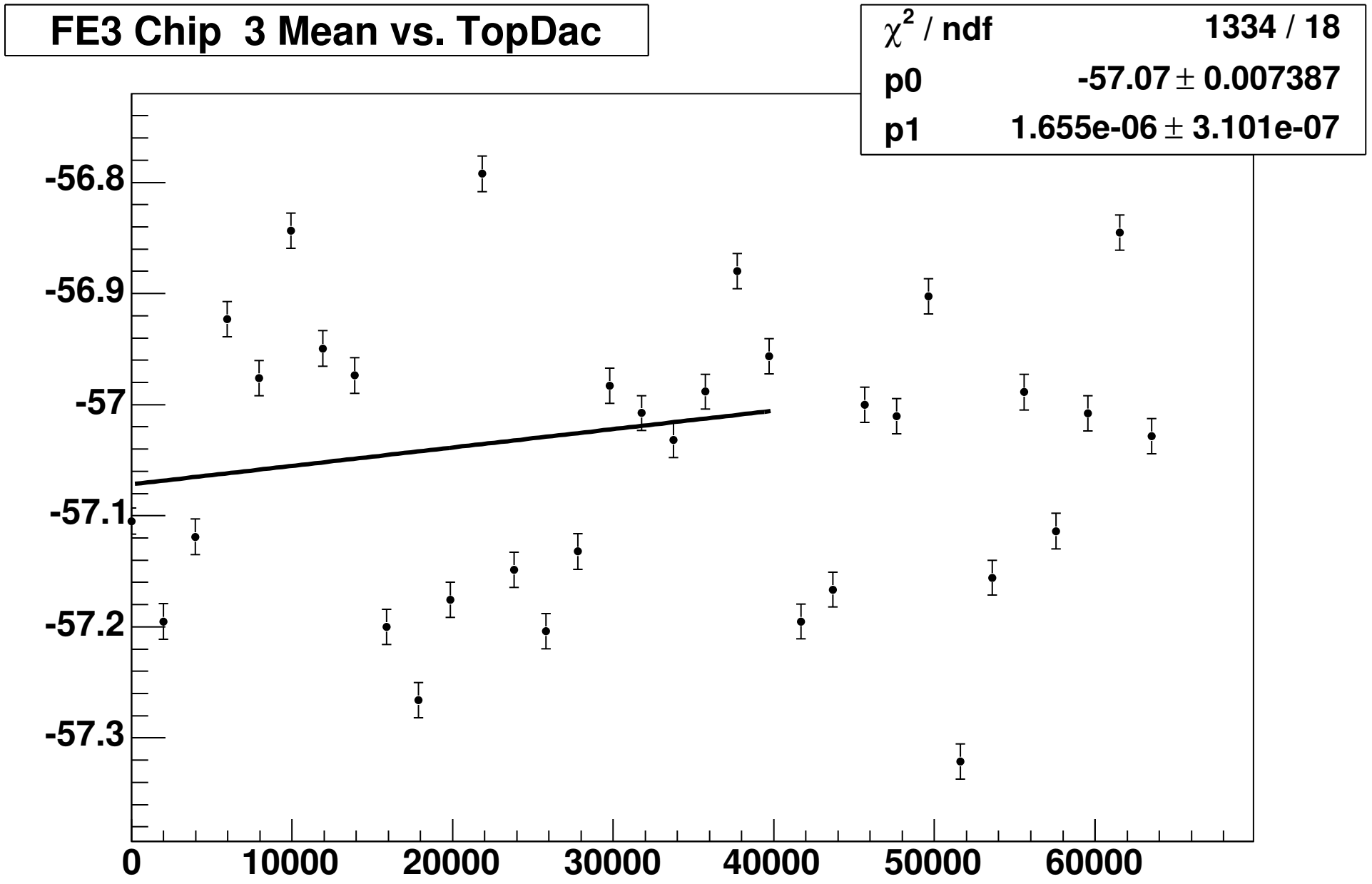

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 275.6 / 18
p0 1.378 ± 0.004025
p1 3.579e-05 ± 2.819e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

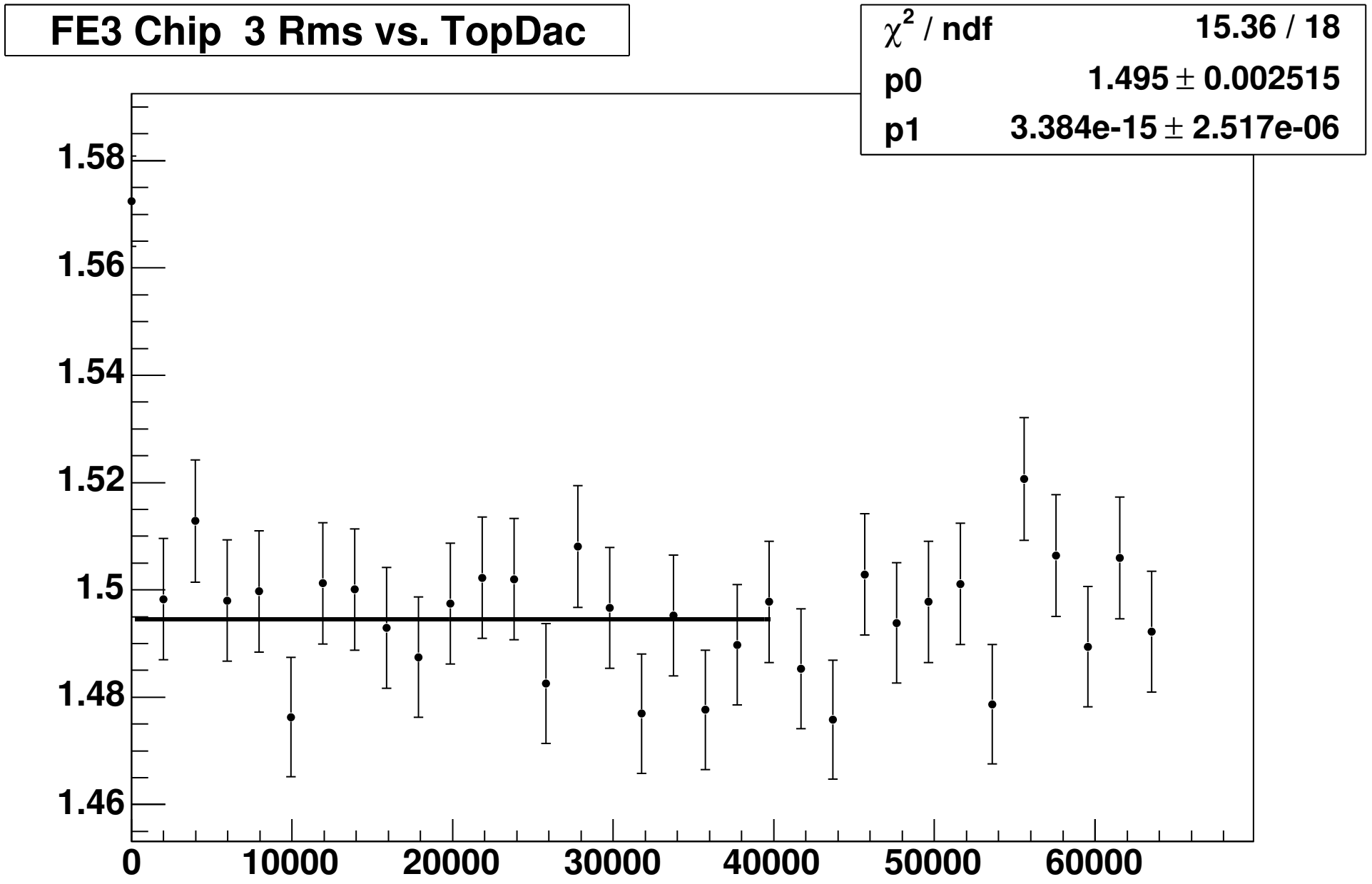

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1288 / 18
p0 -52.88 ± 0.007389
p1 1.626e-06 ± 3.106e-07
-52.6
-52.7
-52.8
-52.9
-53
-53.1
0
10000
20000
30000
40000
50000
60000

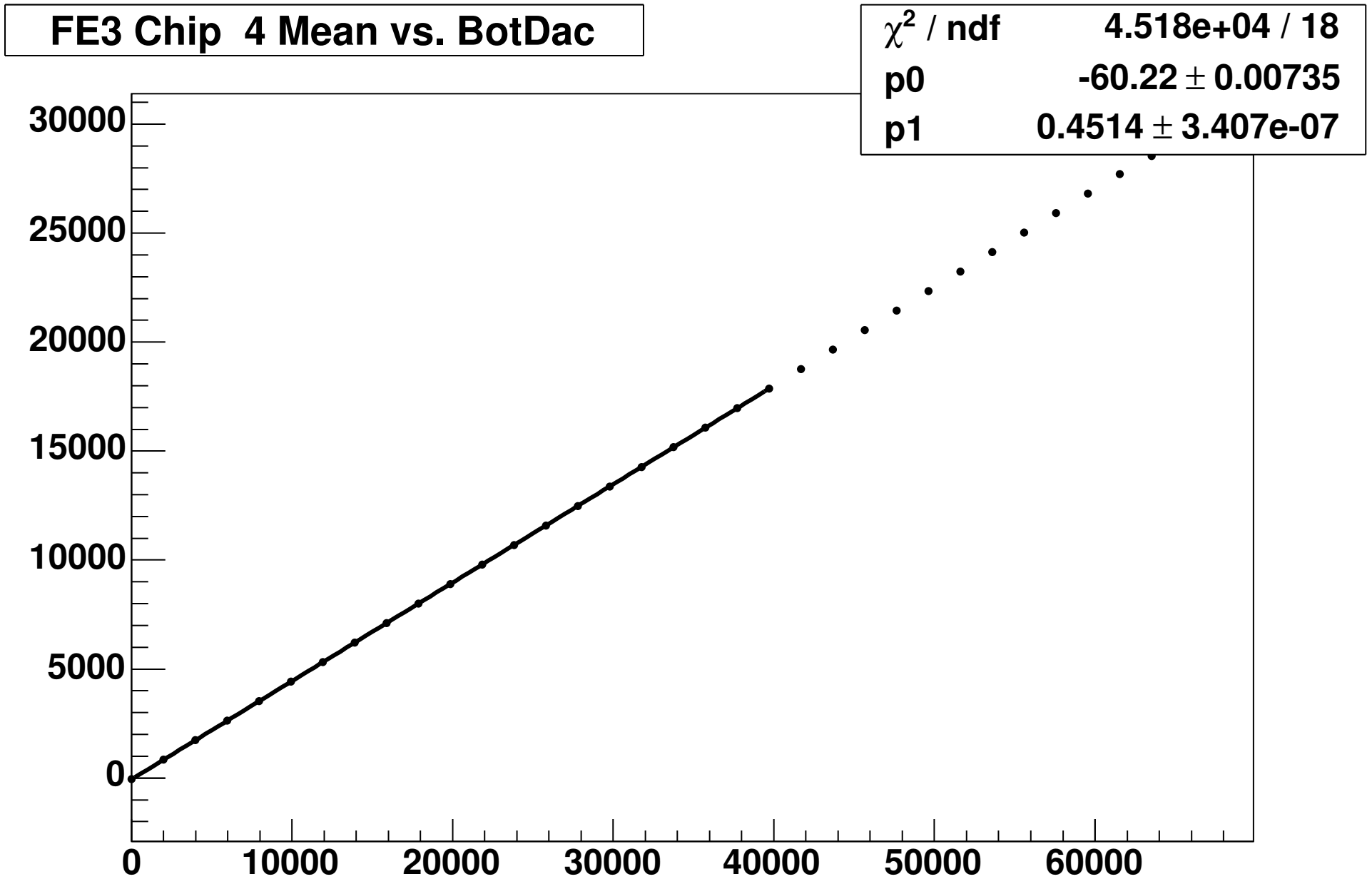

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 17.88 / 18
p0 1.498 ± 0.002525
p1 -7.326e-14 ± 4.749e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 4.009e+04 / 18
p0 -58.24 ± 0.007347
p1 0.4514 ± 3.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 323.3 / 18
p0 1.37 ± 0.003985
p1 3.472e-05 ± 2.827e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1334 / 18
p0 -57.07 ± 0.007387
p1 1.655e-06 ± 3.101e-07
-56.8
-56.9
-57
-57.1
-57.2
-57.3
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 15.36 / 18
p0 1.495 ± 0.002515
p1 3.384e-15 ± 2.517e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 4.518e+04 / 18
p0 -60.22 ± 0.00735
p1 0.4514 ± 3.407e-07
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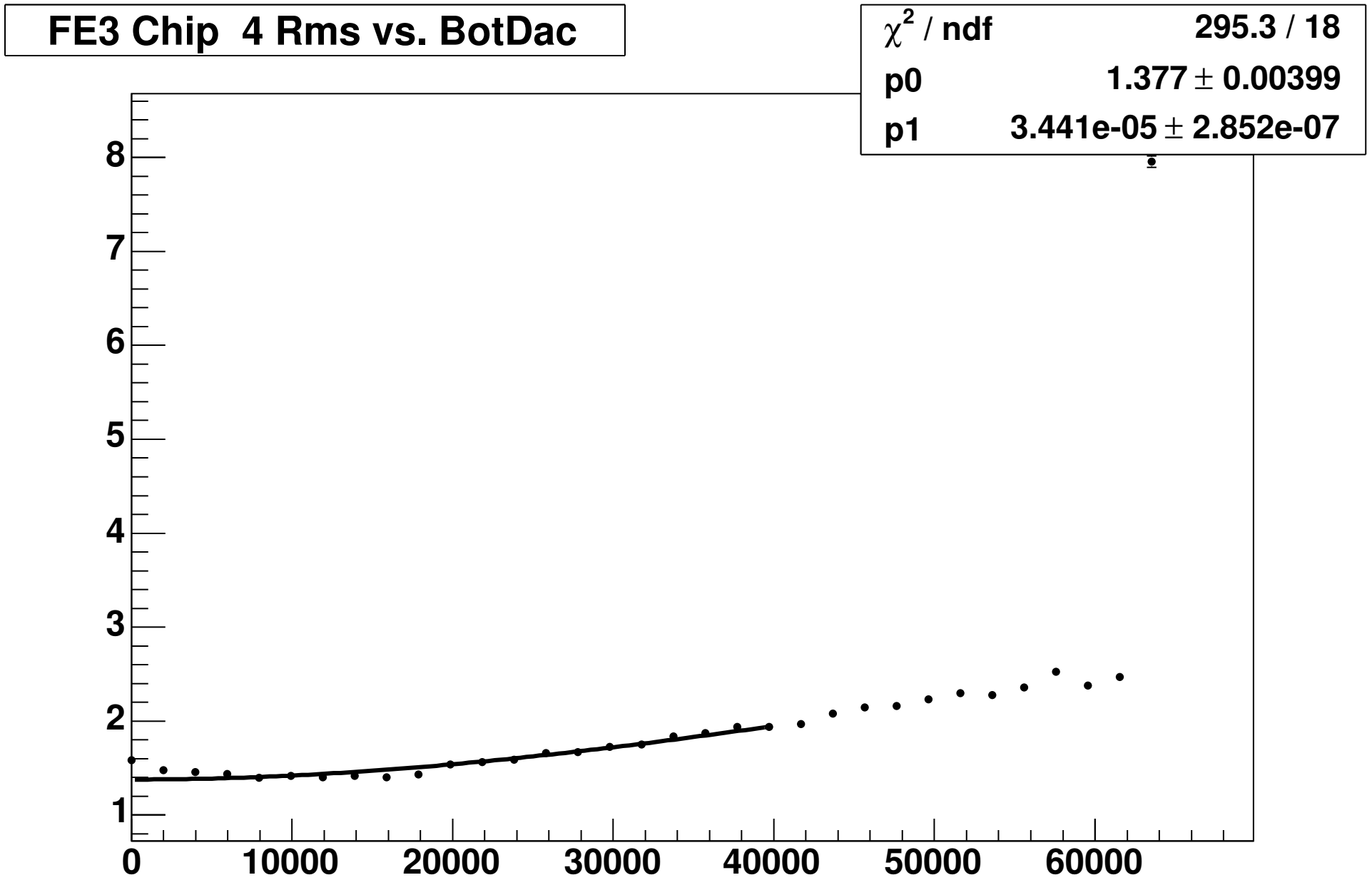
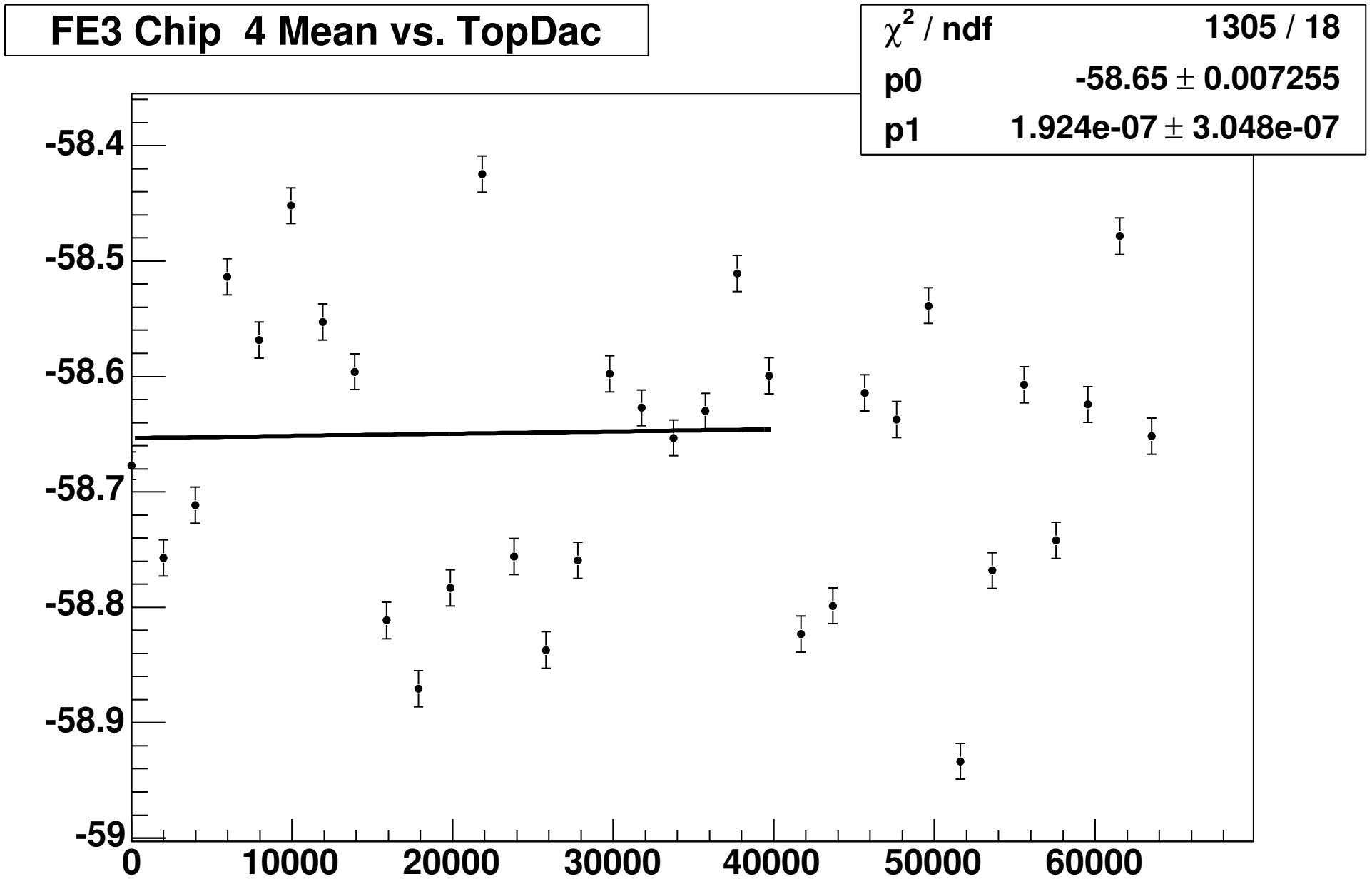
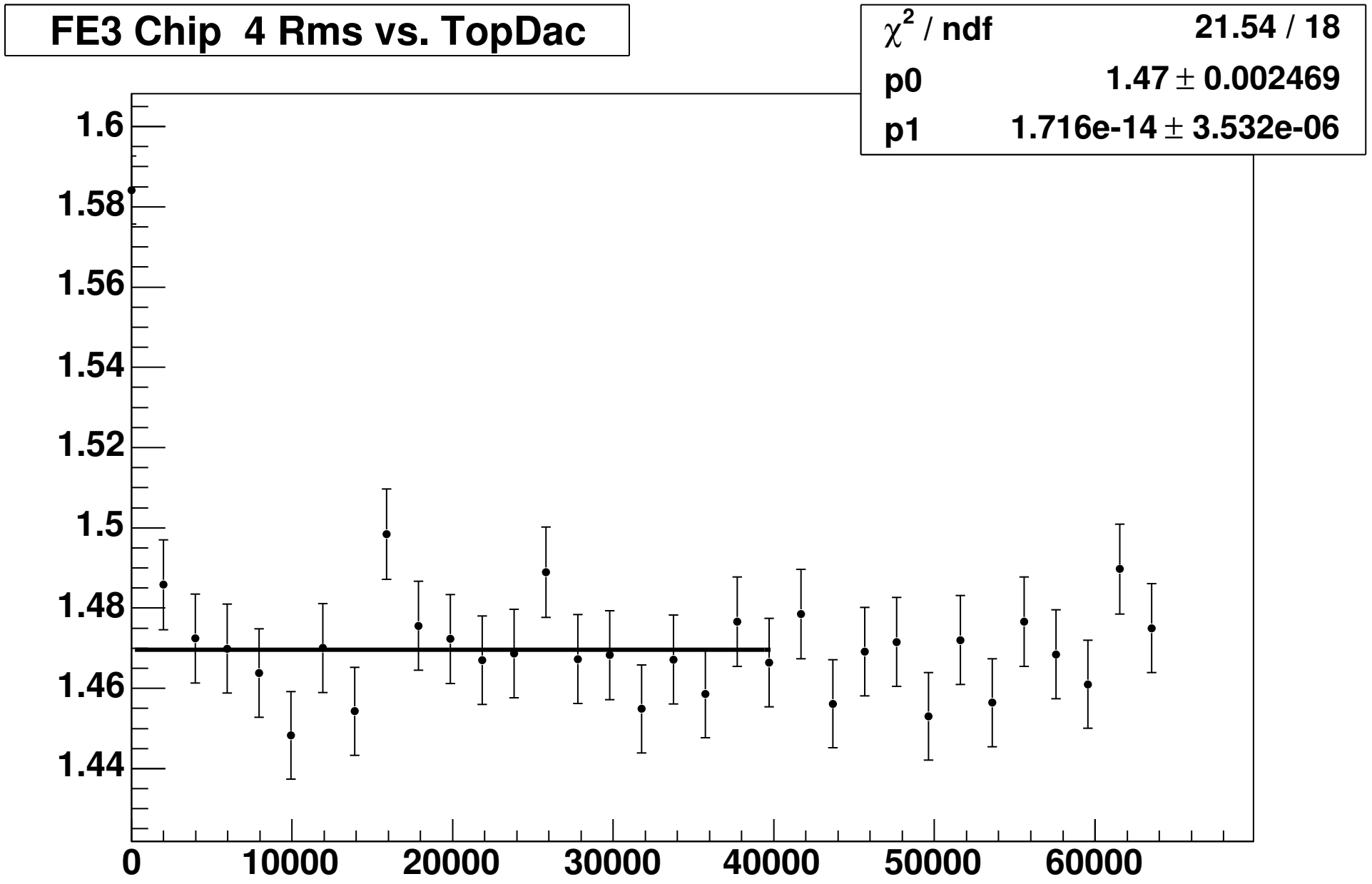
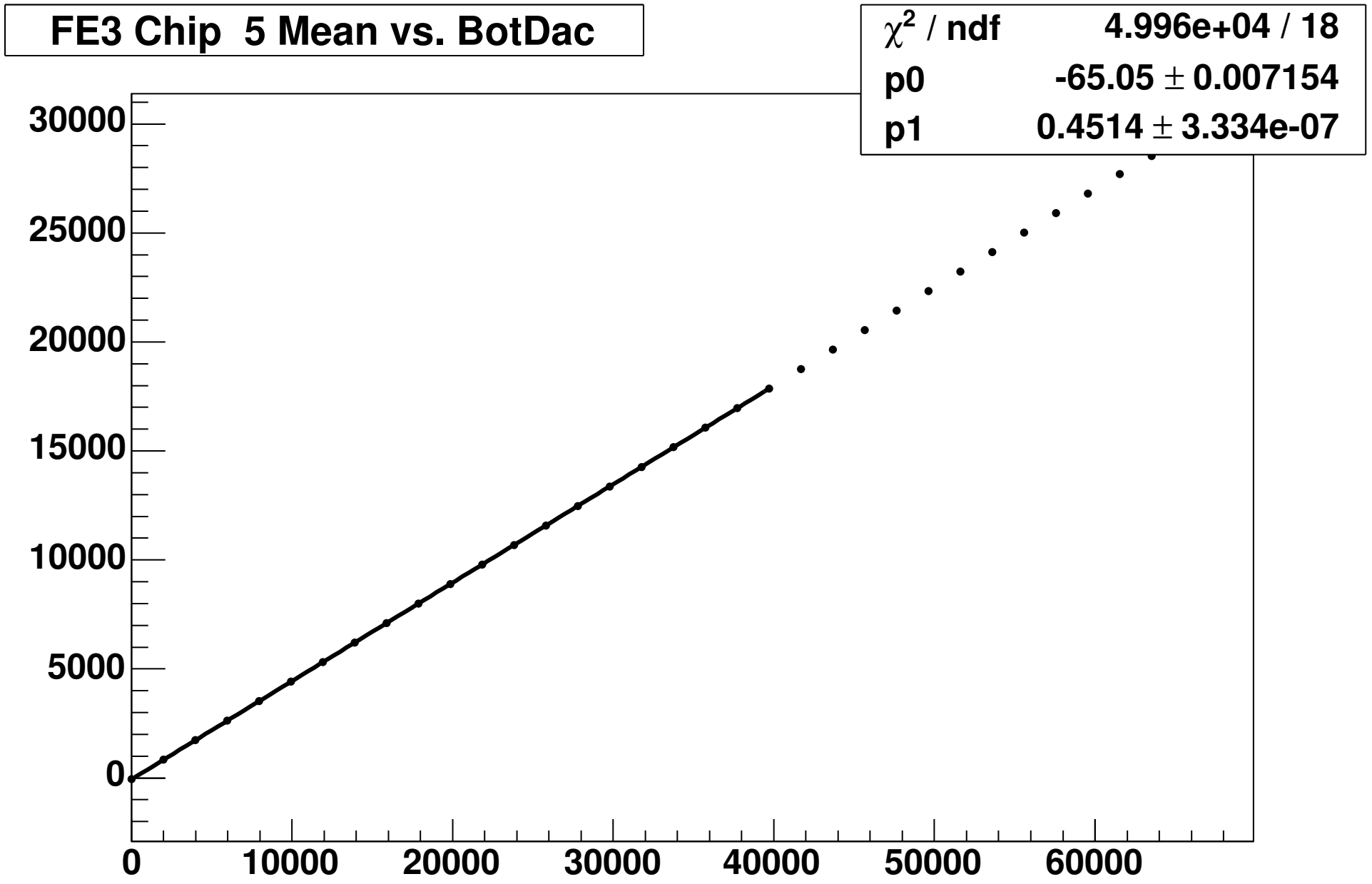
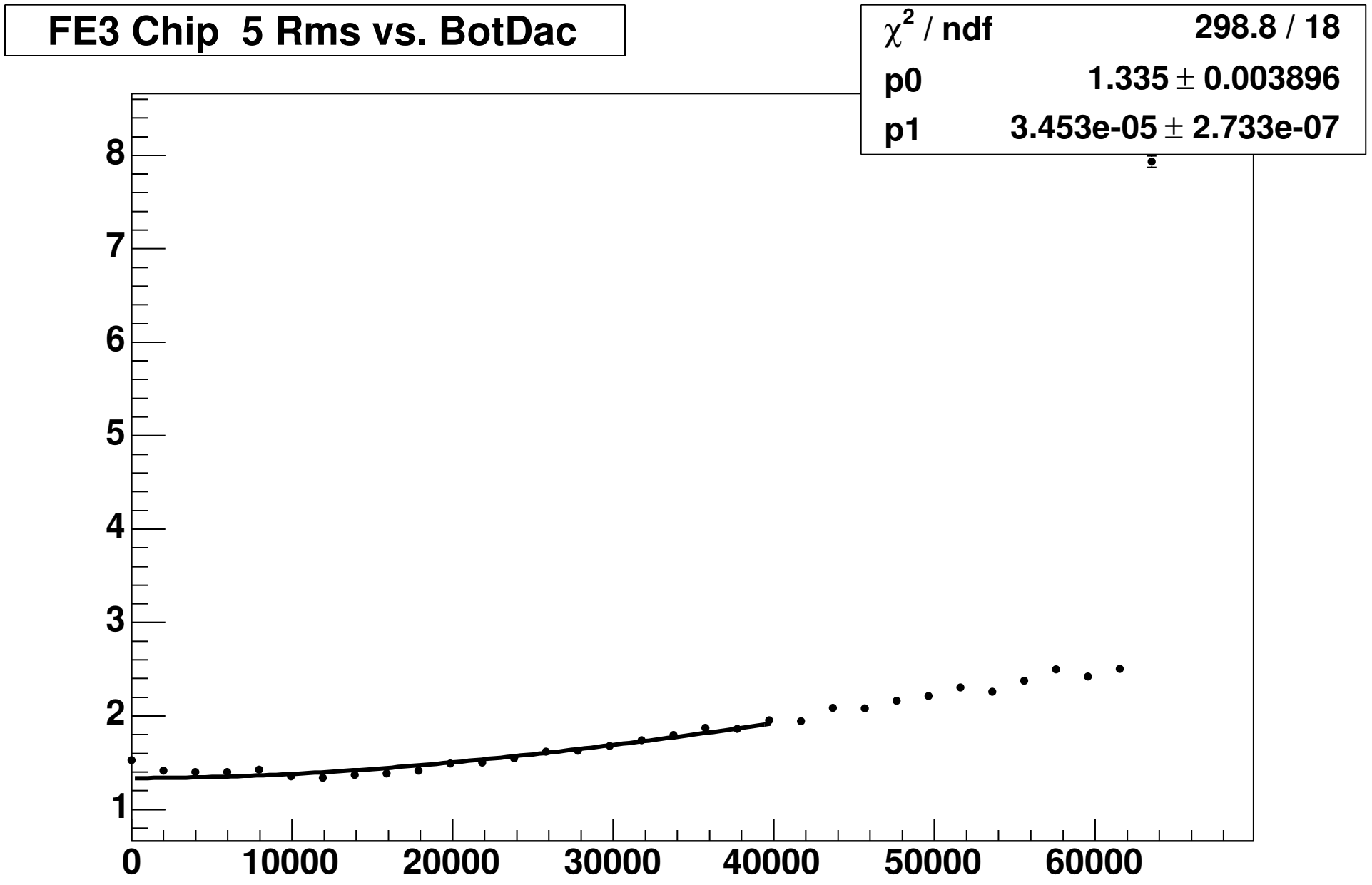
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

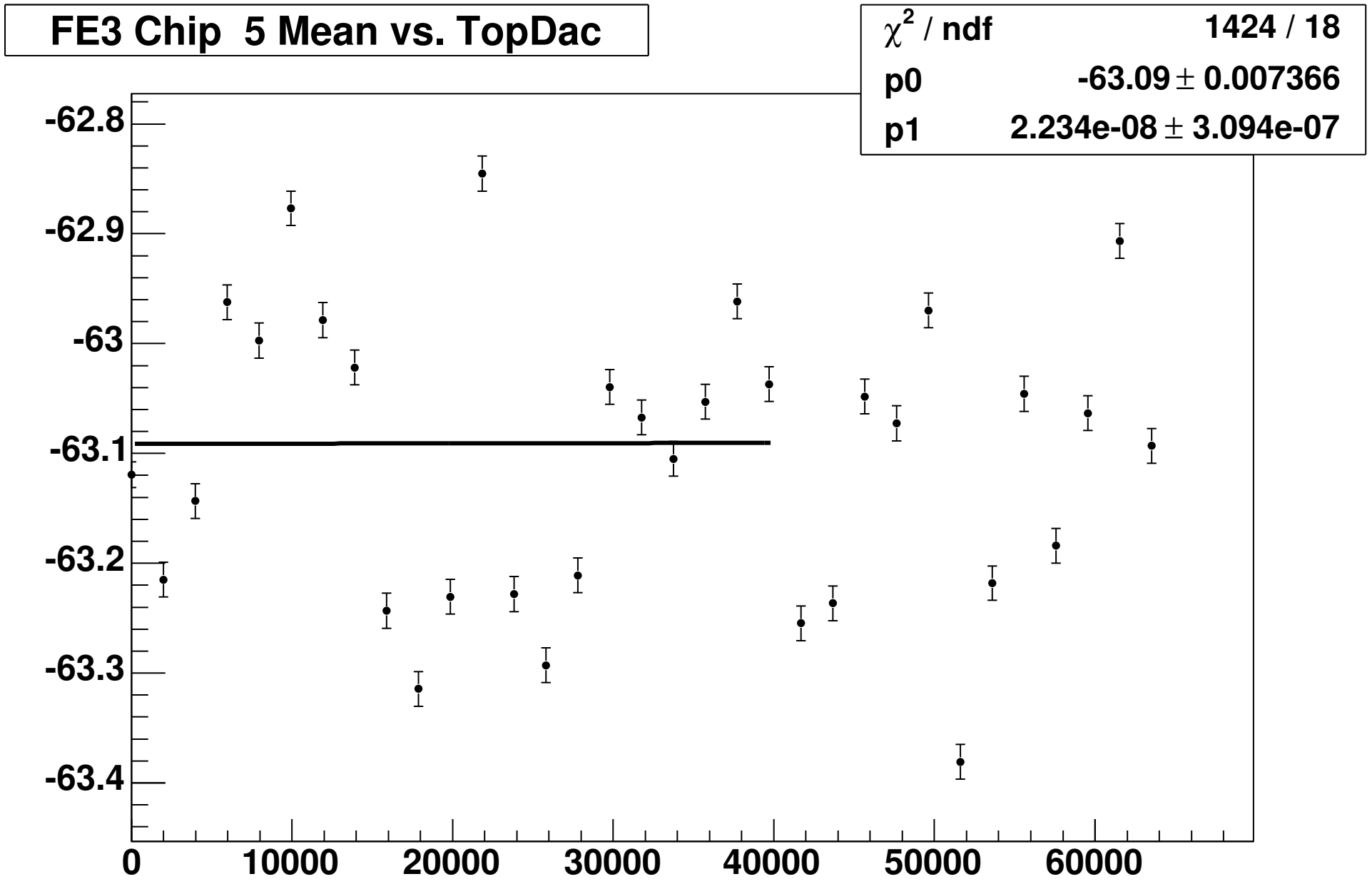

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 295.3 / 18
p0 1.377 ± 0.00399
p1 3.441e-05 ± 2.852e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ^2 / ndf 1305 / 18
p0 -58.65 ± 0.007255
p1 1.924e-07 ± 3.048e-07
-58.4
-58.5
-58.6
-58.7
-58.8
-58.9
-59
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 21.54 / 18
p0 1.47 ± 0.002469
p1 1.716e-14 ± 3.532e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.996e+04 / 18
p0 -65.05 ± 0.007154
p1 0.4514 ± 3.334e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 298.8 / 18
p0 1.335 ± 0.003896
p1 3.453e-05 ± 2.733e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1424 / 18
p0 -63.09 ± 0.007366
p1 2.234e-08 ± 3.094e-07
-62.8
-62.9
-63
-63.1
-63.2
-63.3
-63.4
0
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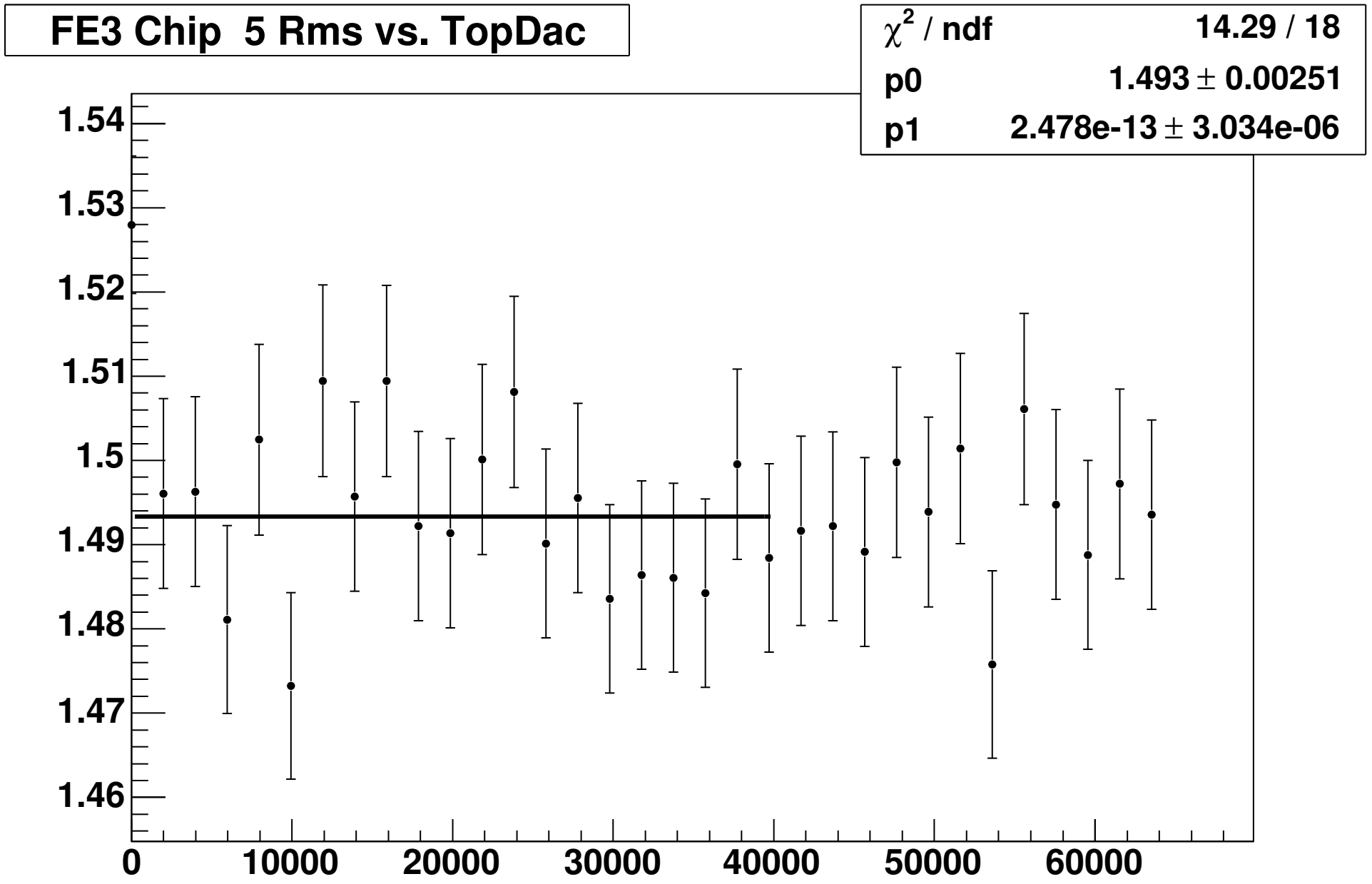
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 14.29 / 18
p0 1.493 ± 0.00251
p1 2.478e-13 ± 3.034e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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30000
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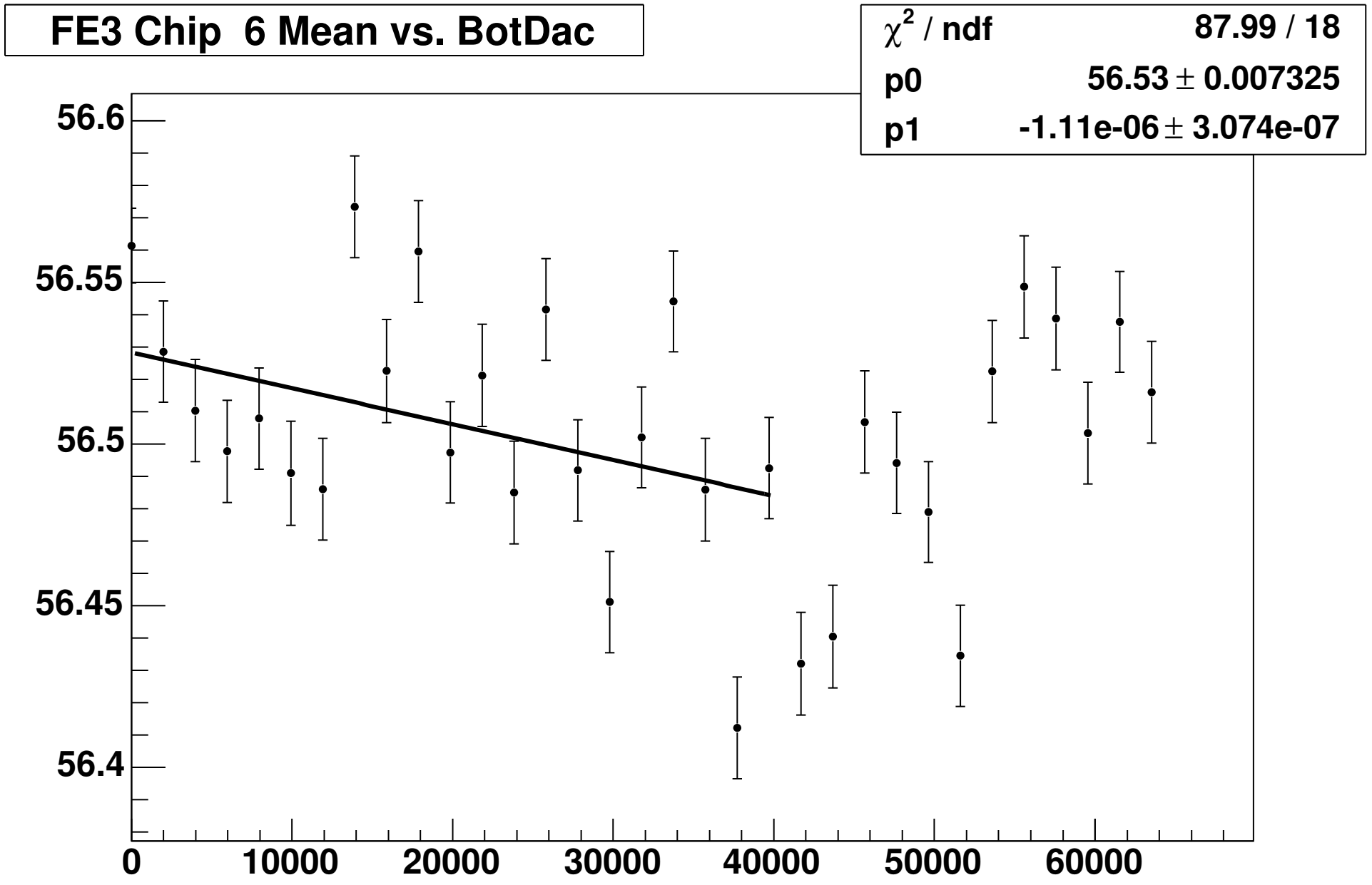
50000
60000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 87.99 / 18
p0 56.53 ± 0.007325
p1 -1.11e-06 ± 3.074e-07
56.6
56.55
56.5
56.45
56.4
0
10000
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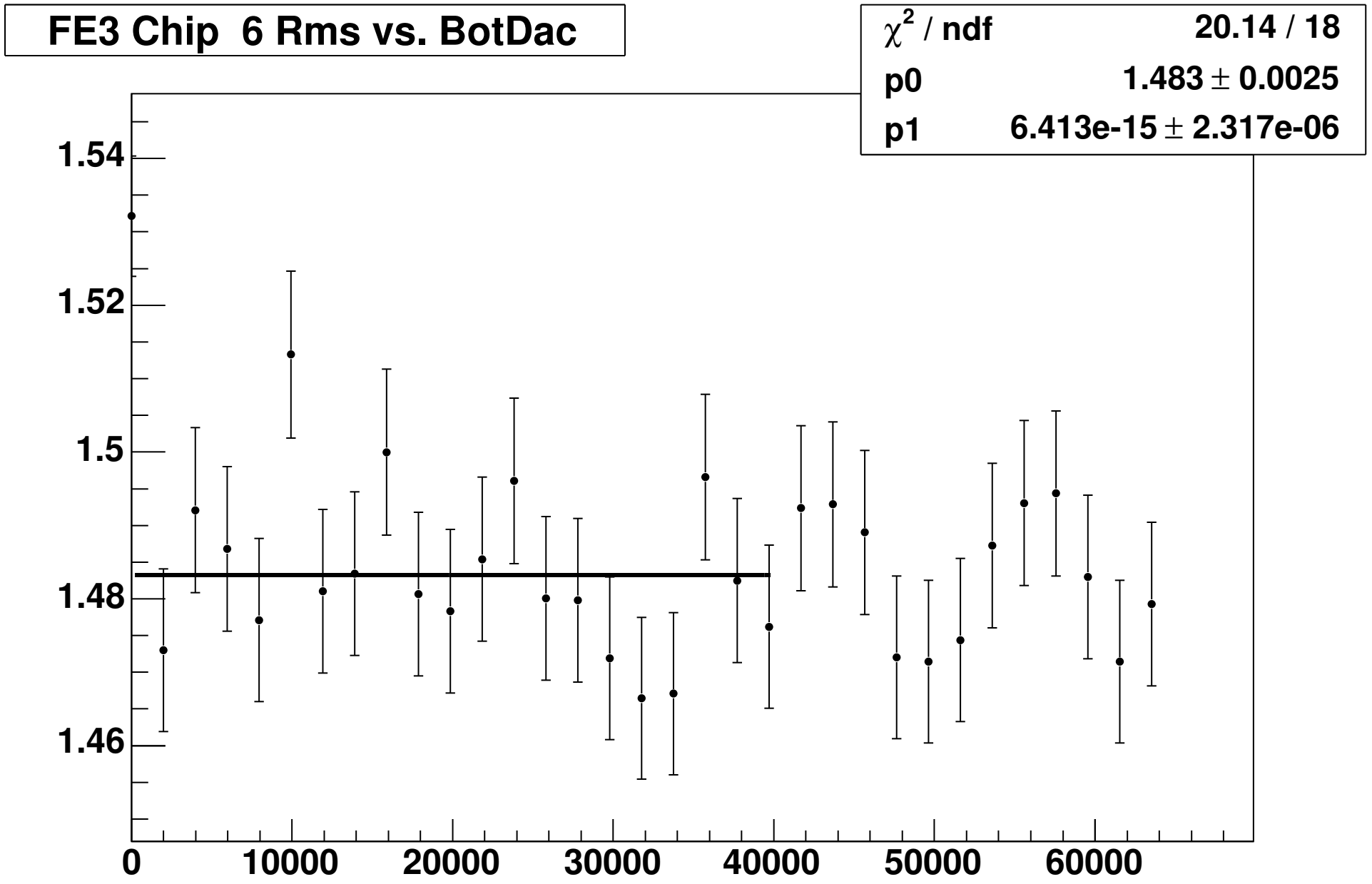
40000
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 20.14 / 18
p0 1.483 ± 0.0025
p1 6.413e-15 ± 2.317e-06
1.54
1.52
1.5
1.48
1.46
0
10000
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30000
40000
50000
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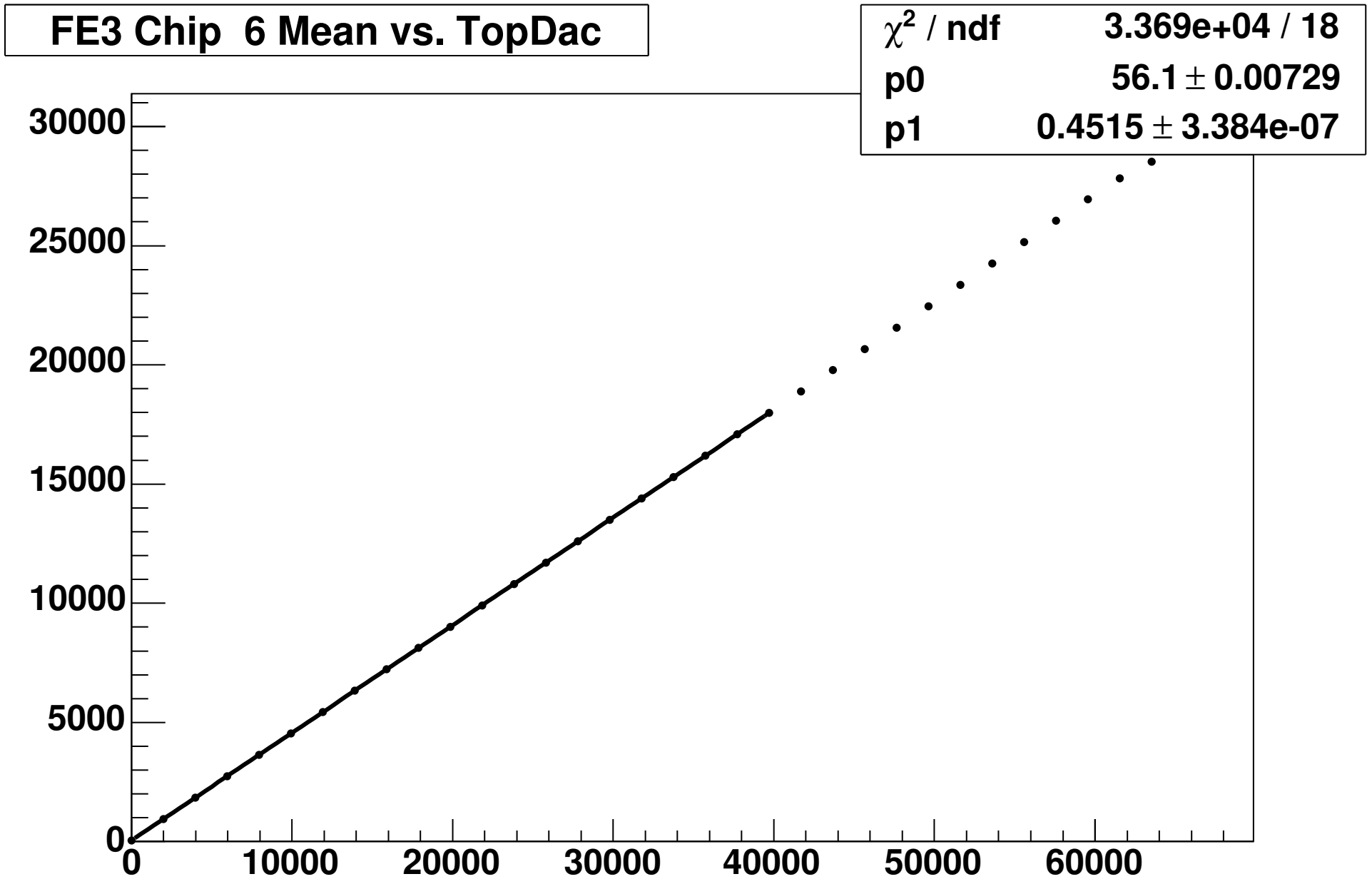
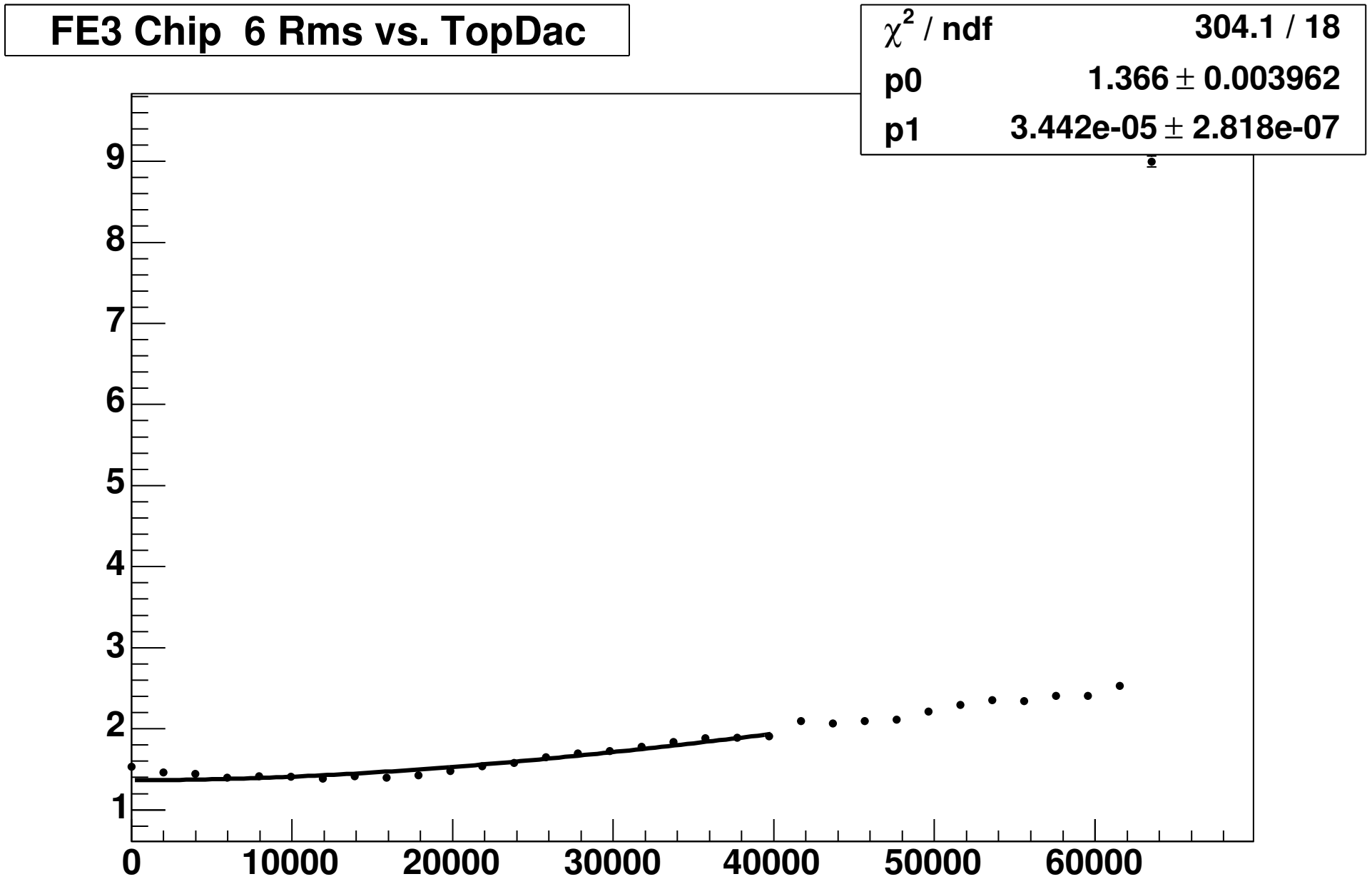
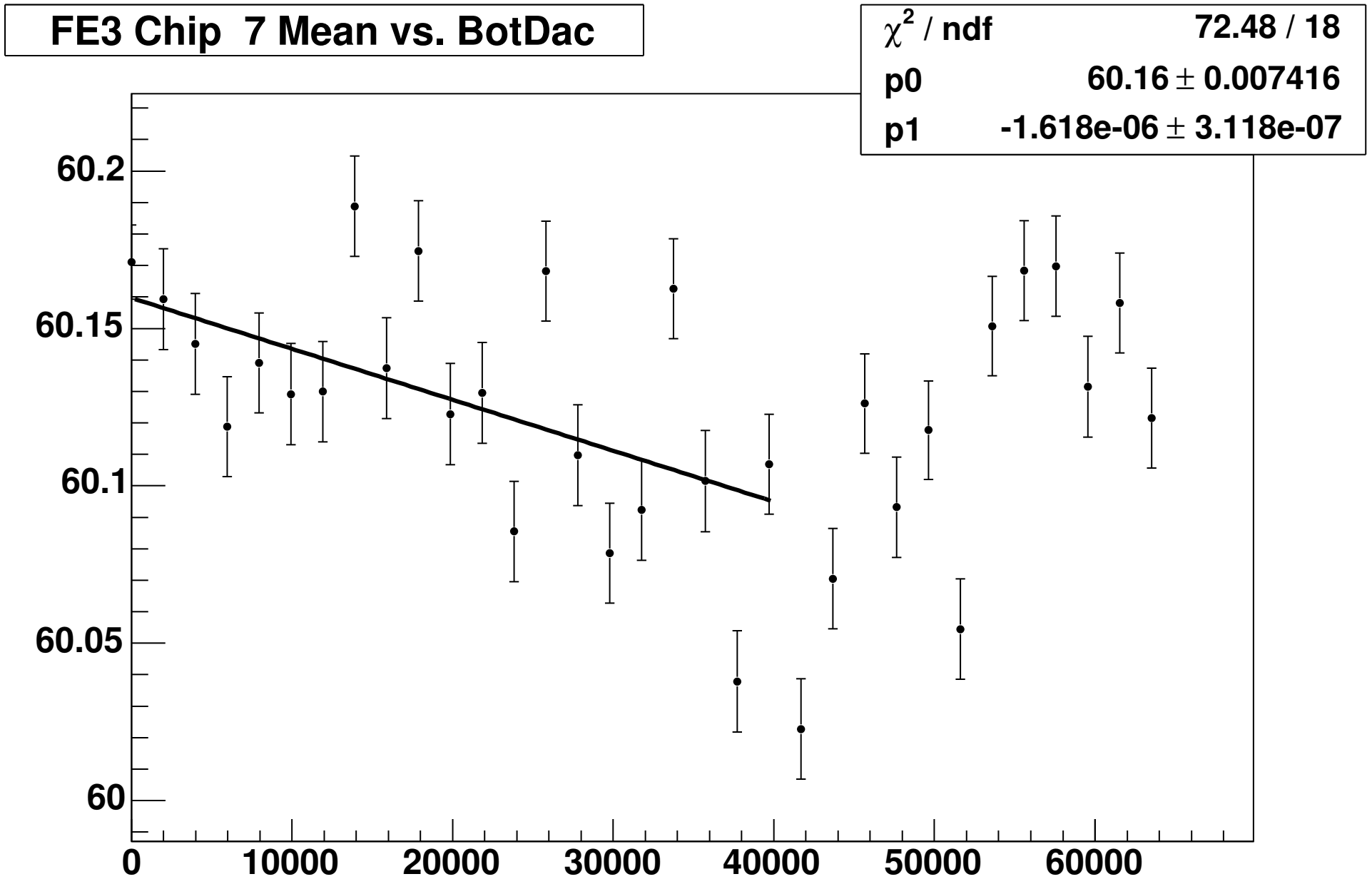

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 3.369e+04 / 18
p0 56.1 ± 0.00729
p1 0.4515 ± 3.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 304.1 / 18
p0 1.366 ± 0.003962
p1 3.442e-05 ± 2.818e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 72.48 / 18
p0 60.16 ± 0.007416
p1 -1.618e-06 ± 3.118e-07
60.2
60.15
60.1
60.05
60
0
10000
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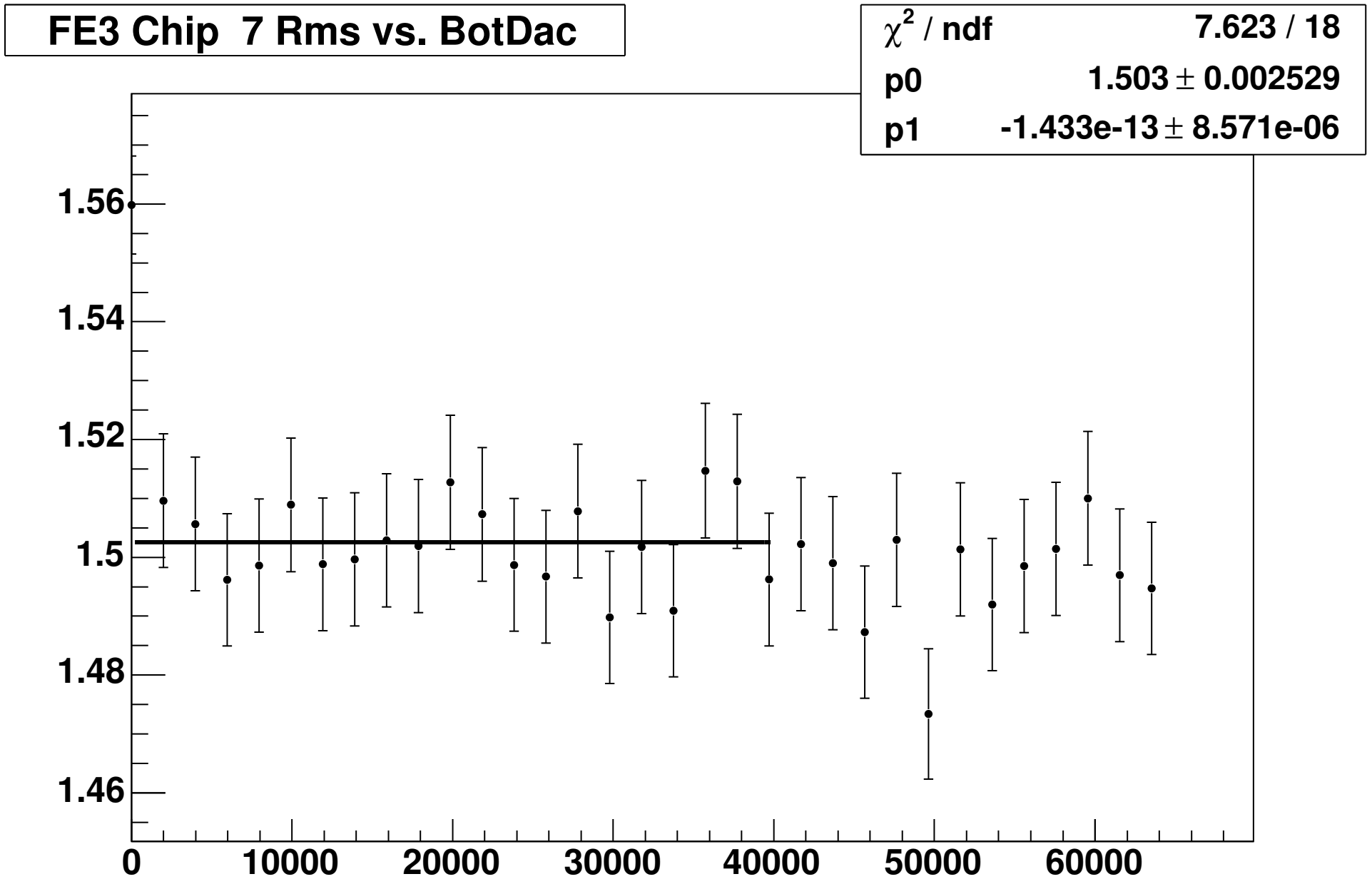
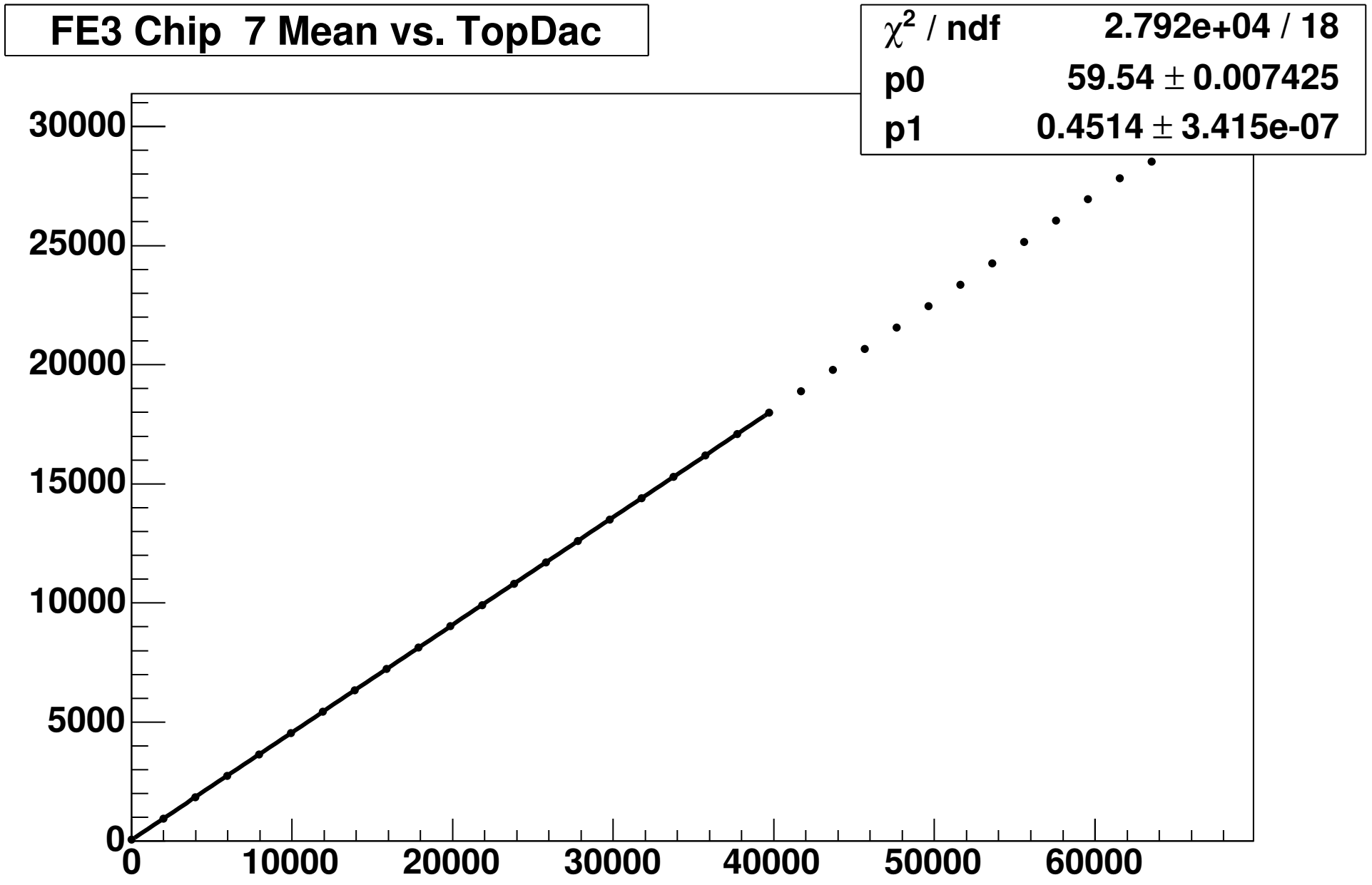
30000
40000
50000
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 7.623 / 18
p0 1.503 ± 0.002529
p1 -1.433e-13 ± 8.571e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 2.792e+04 / 18
p0 59.54 ± 0.007425
p1 0.4514 ± 3.415e-07
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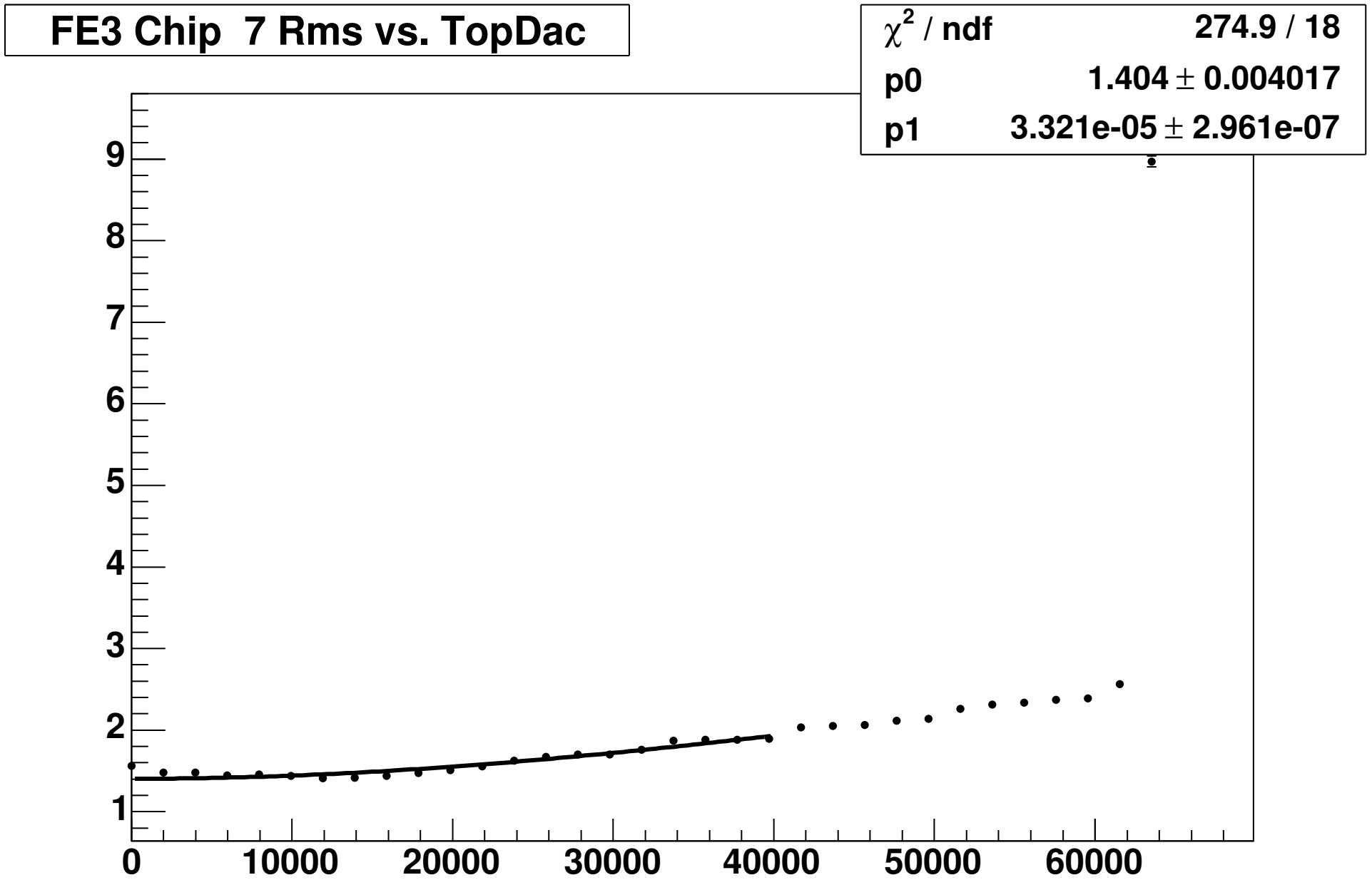
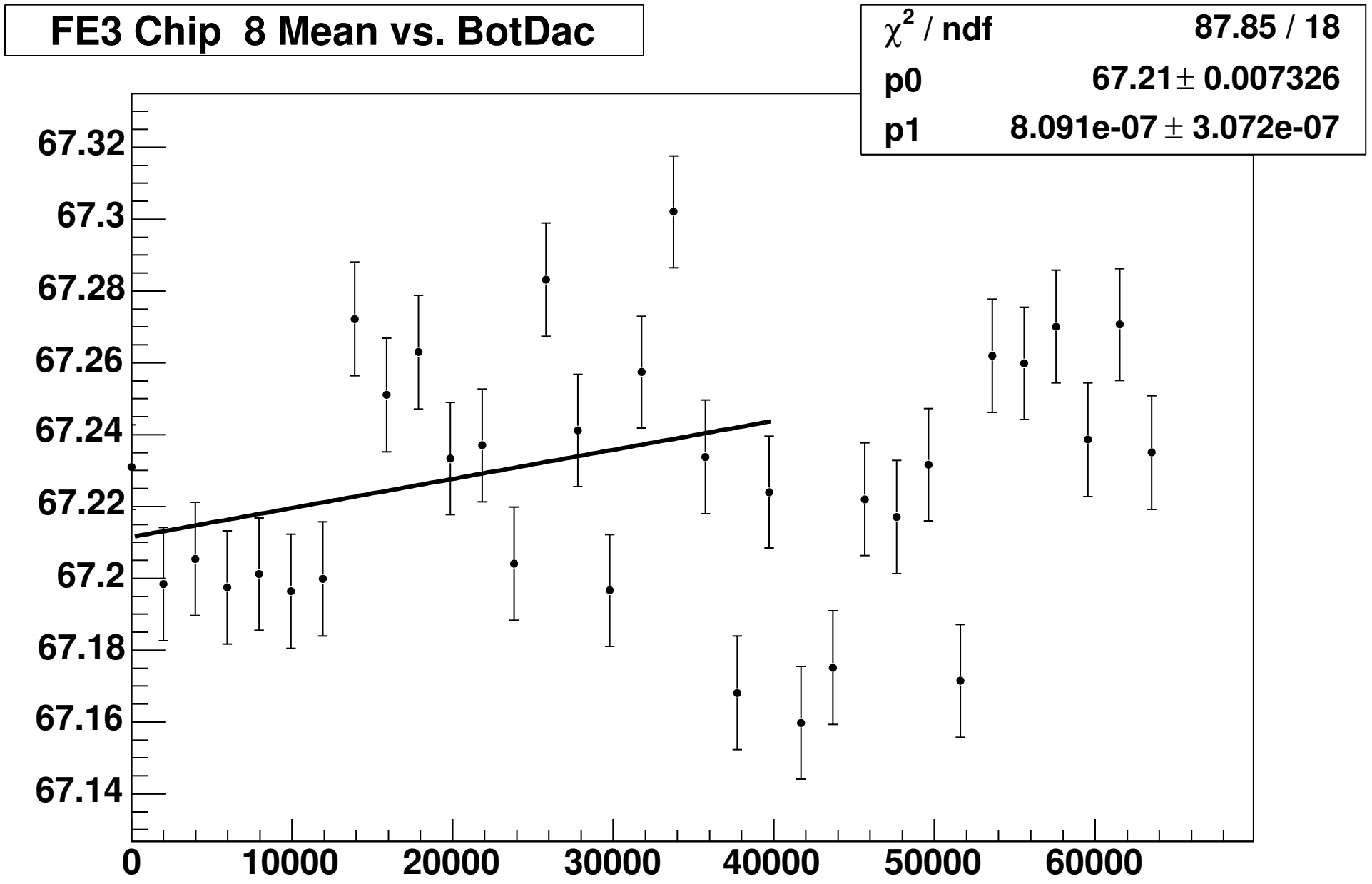
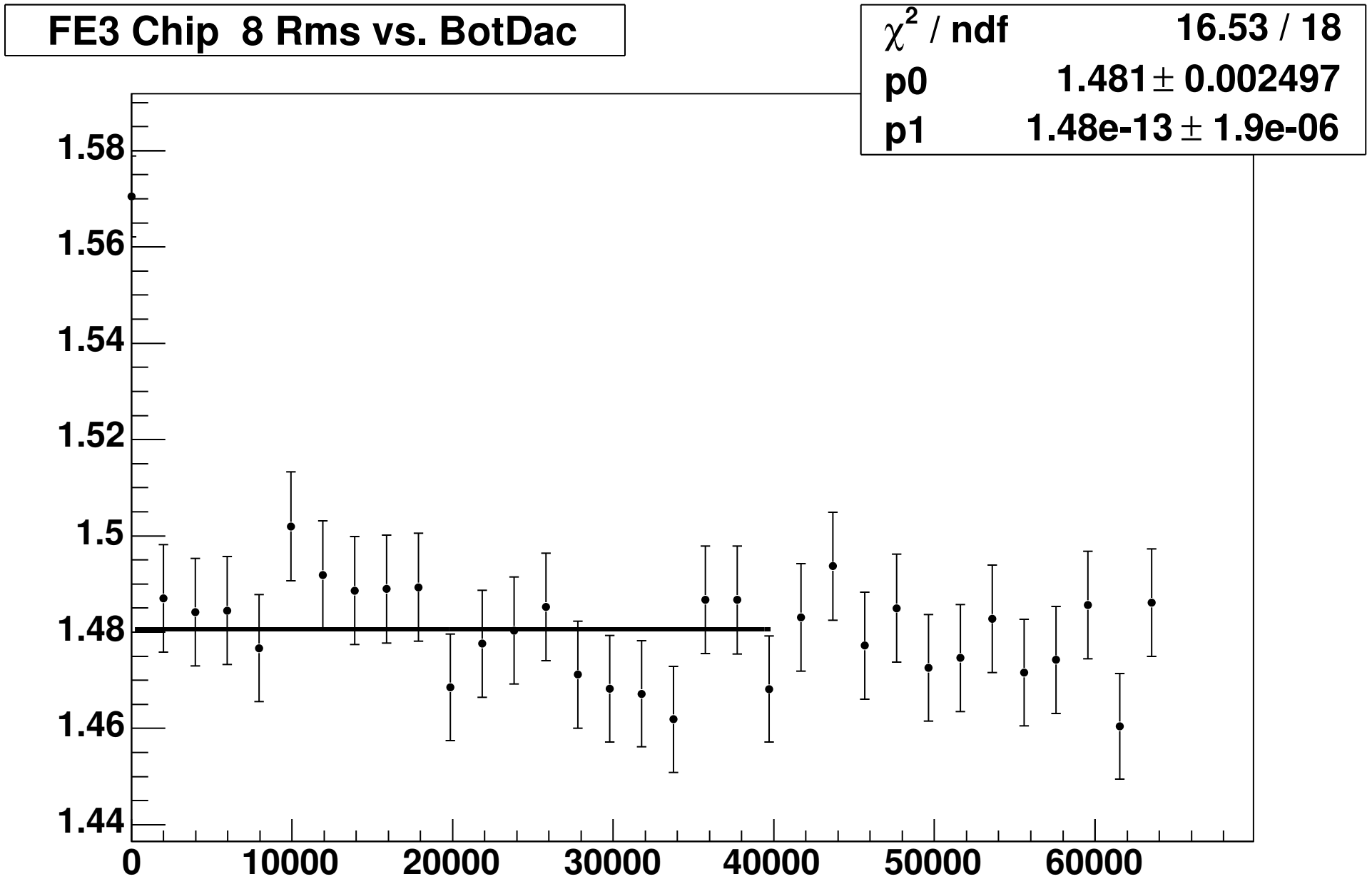
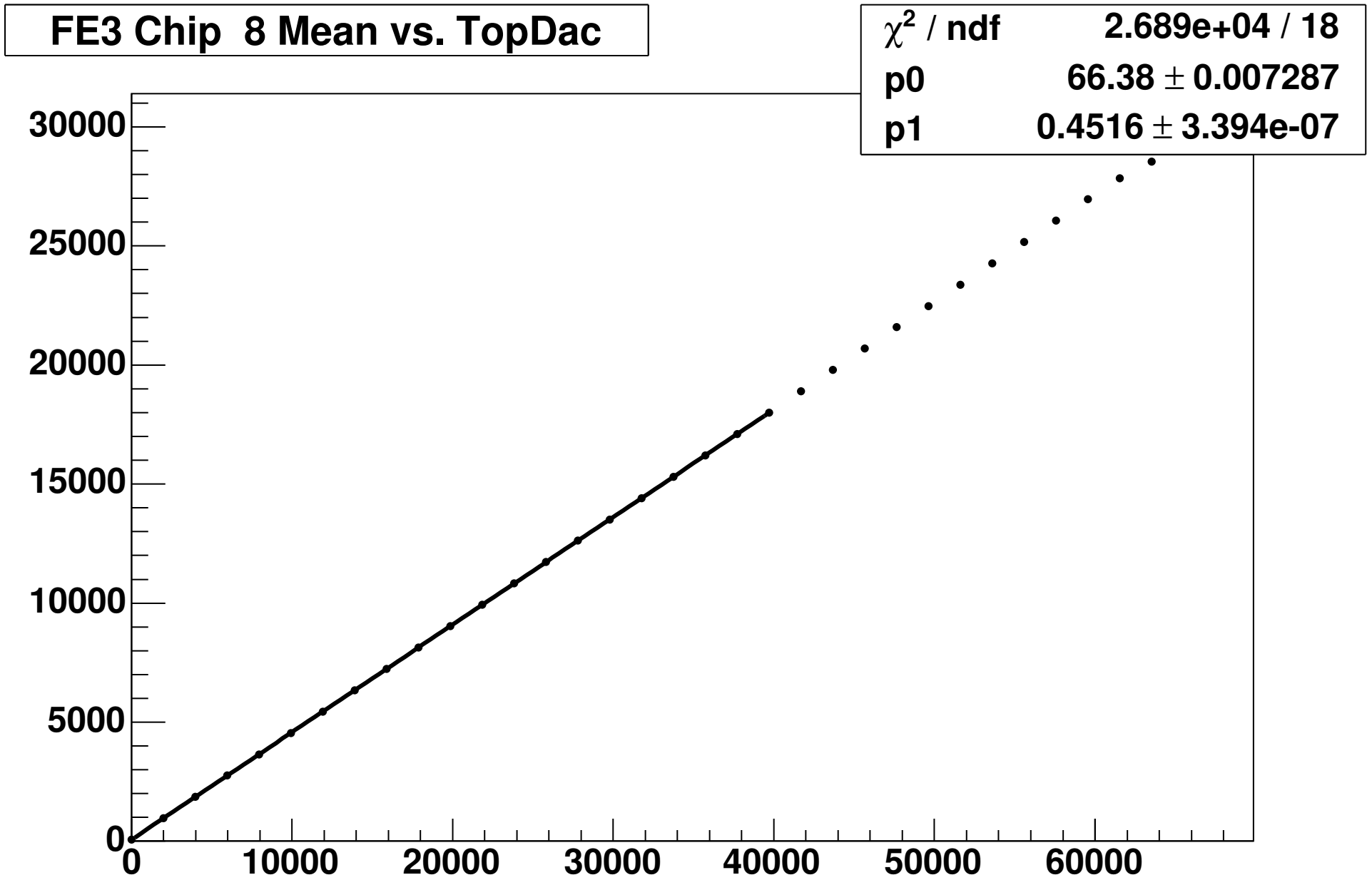
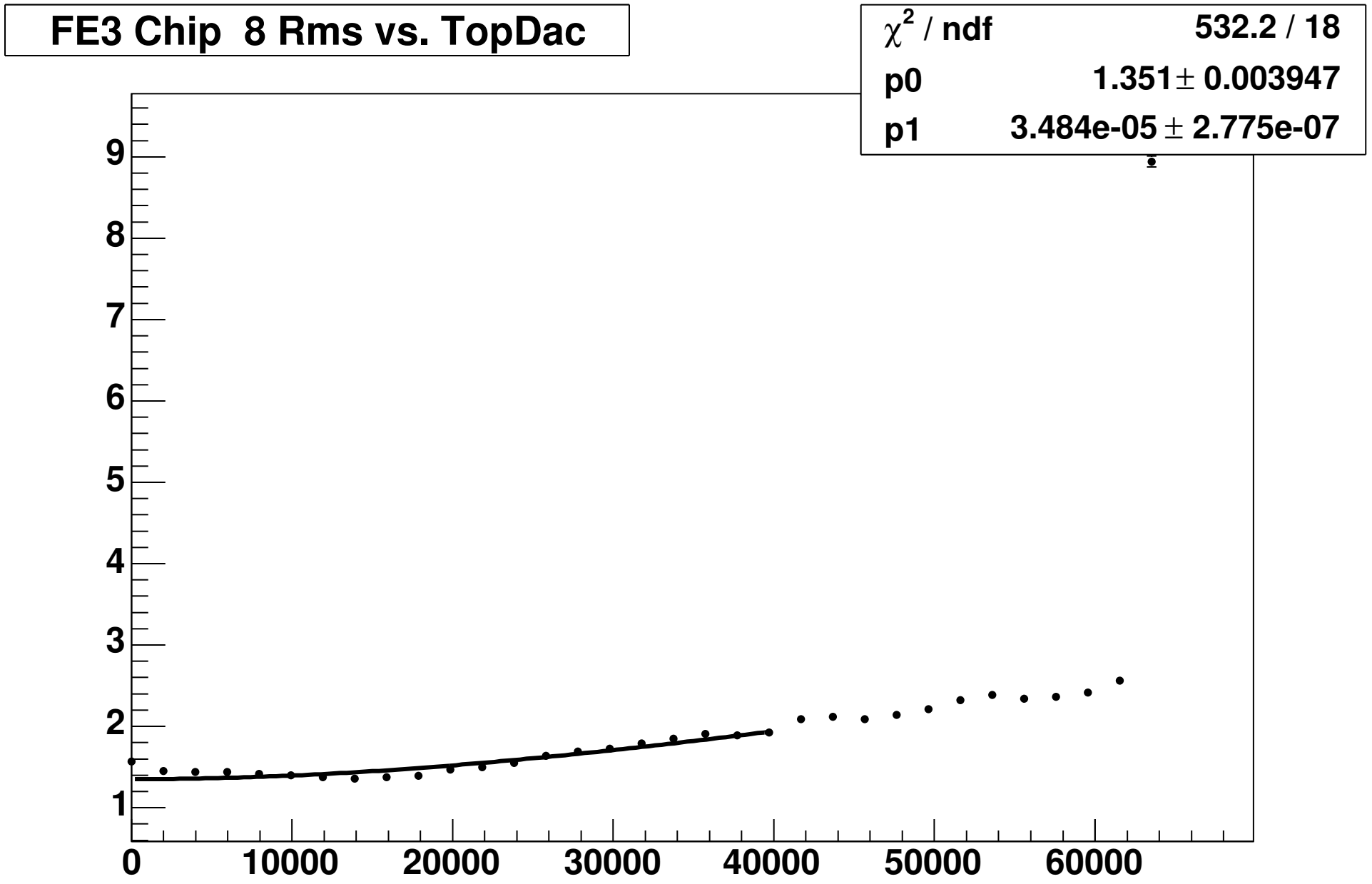
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

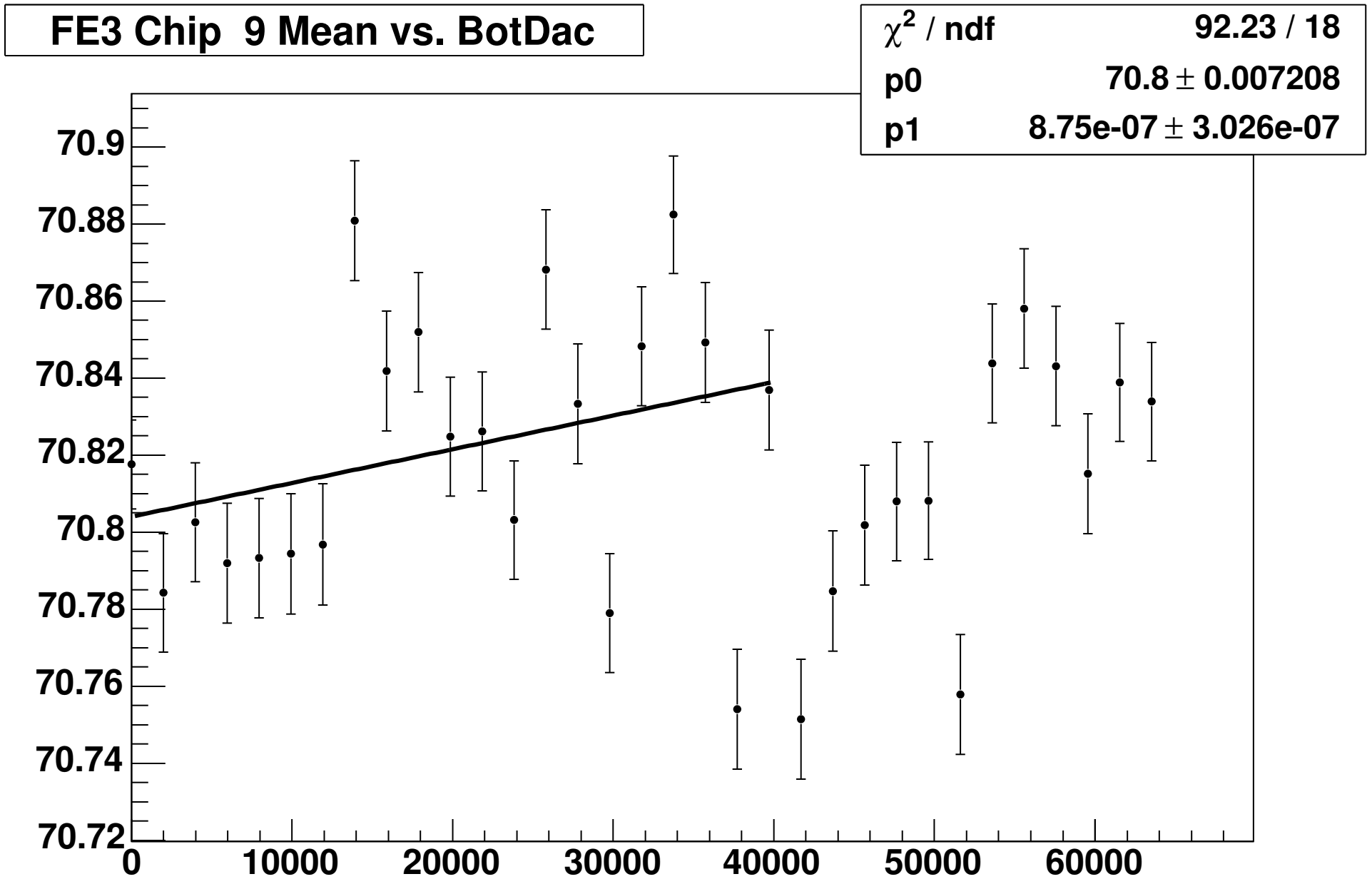

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 274.9 / 18
p0 1.404 ± 0.004017
p1 3.321e-05 ± 2.961e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

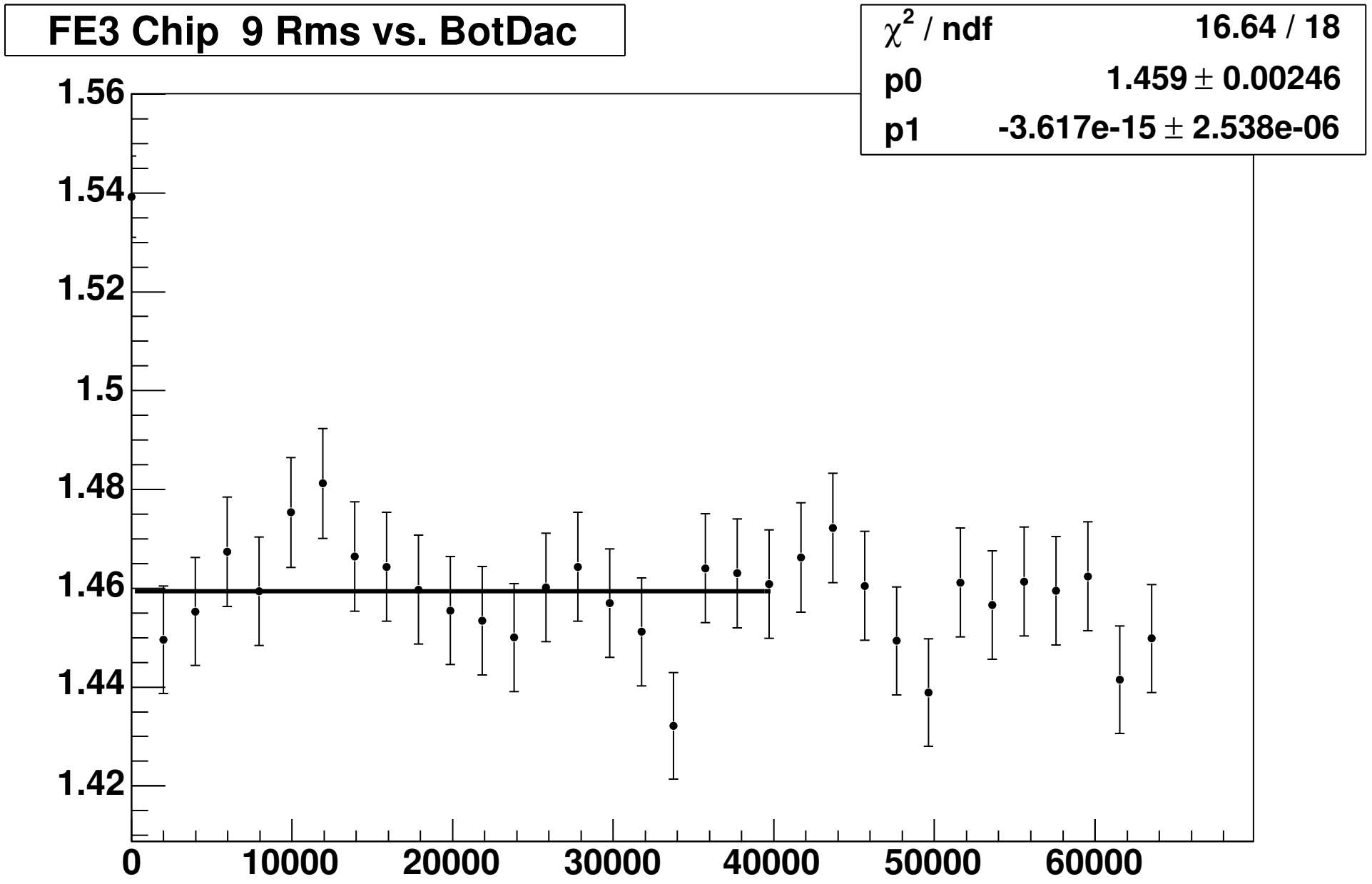

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 87.85 / 18
p0 67.21 ± 0.007326
p1 8.091e-07 ± 3.072e-07
67.32
67.3
67.28
67.26
67.24
67.22
67.2
67.18
67.16
67.14
0
10000
20000
30000
40000
50000
60000

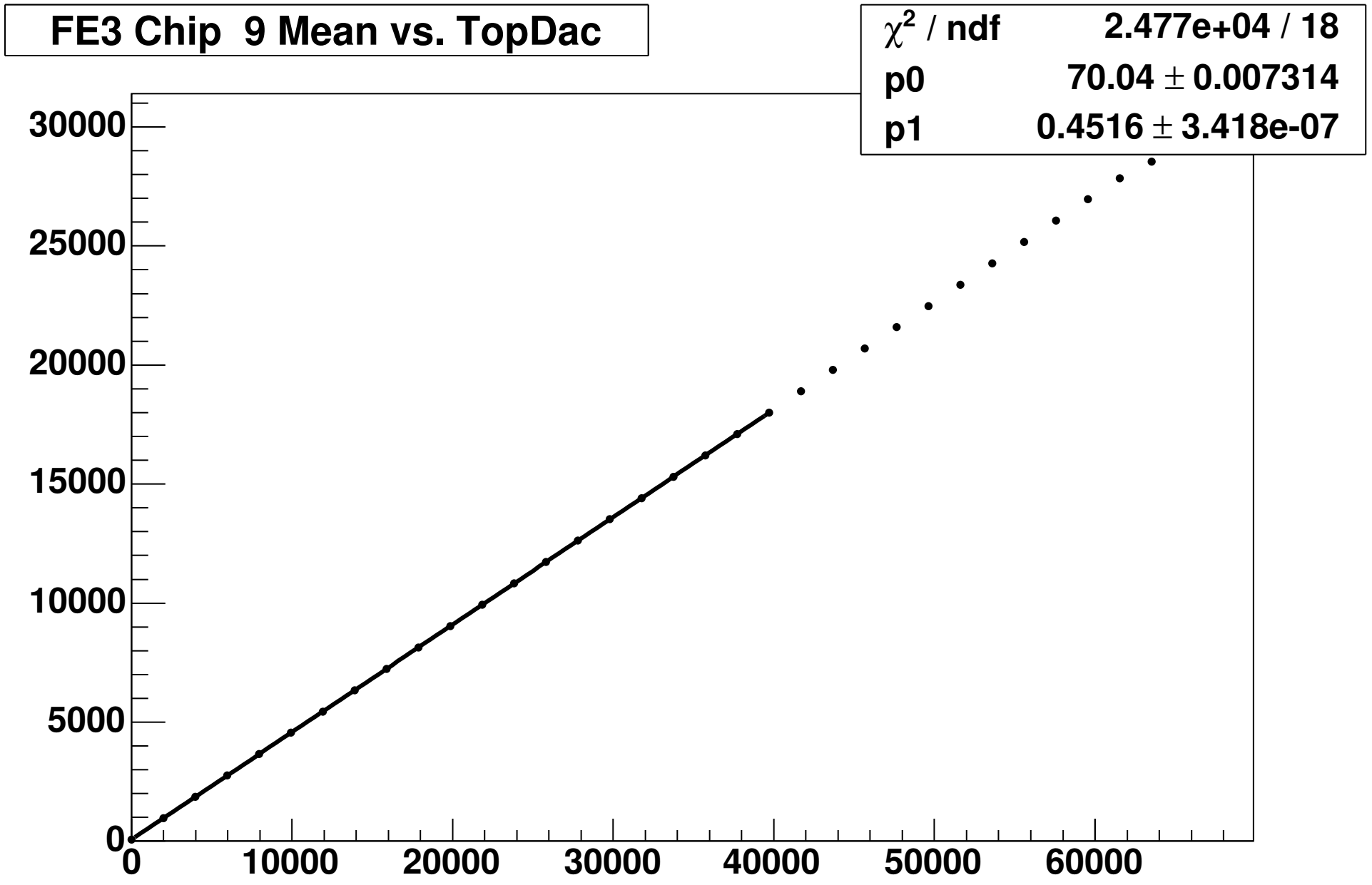

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 16.53 / 18
p0 1.481 ± 0.002497
p1 1.48e-13 ± 1.9e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

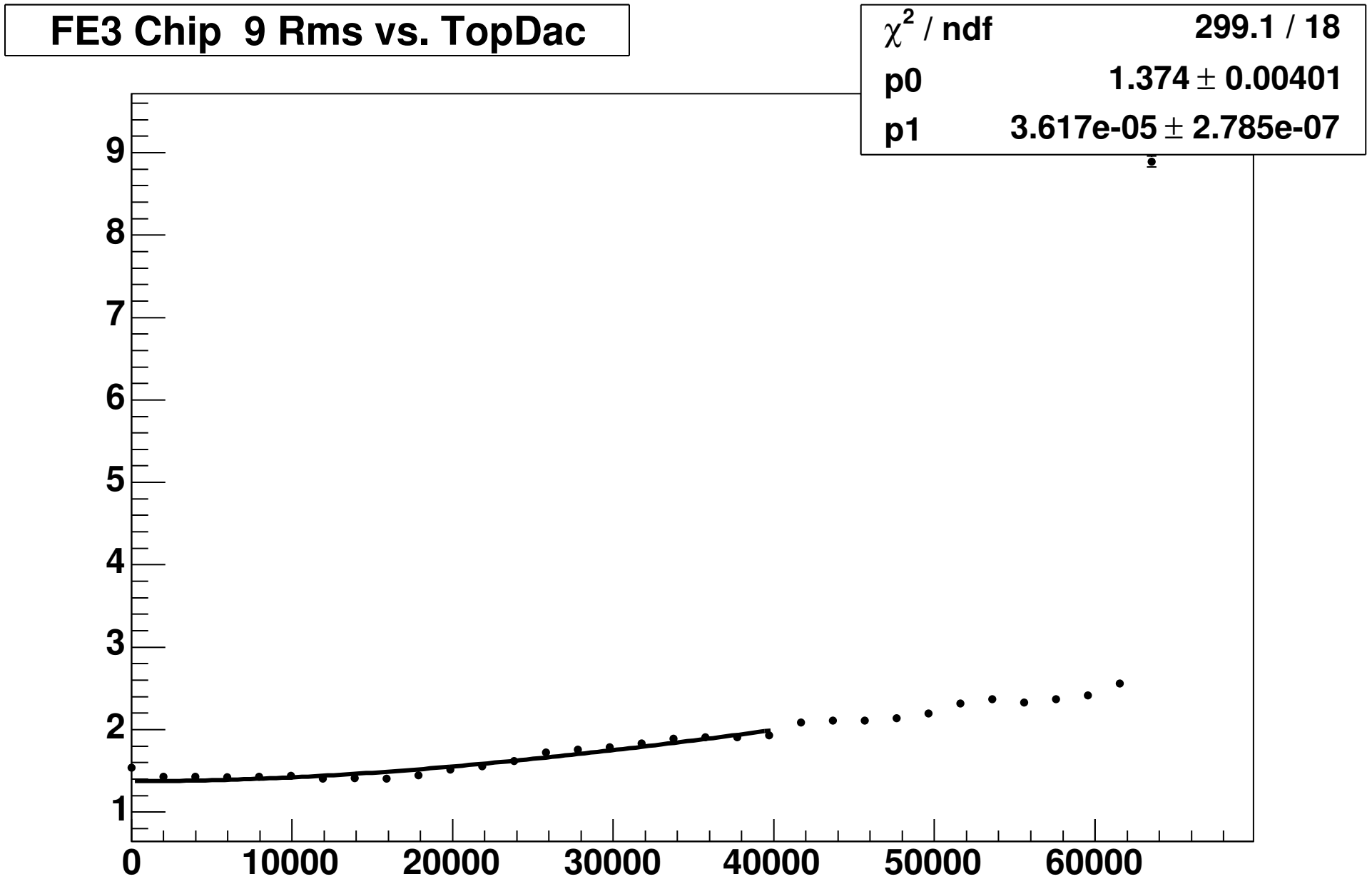

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 2.689e+04 / 18
p0 66.38 ± 0.007287
p1 0.4516 ± 3.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

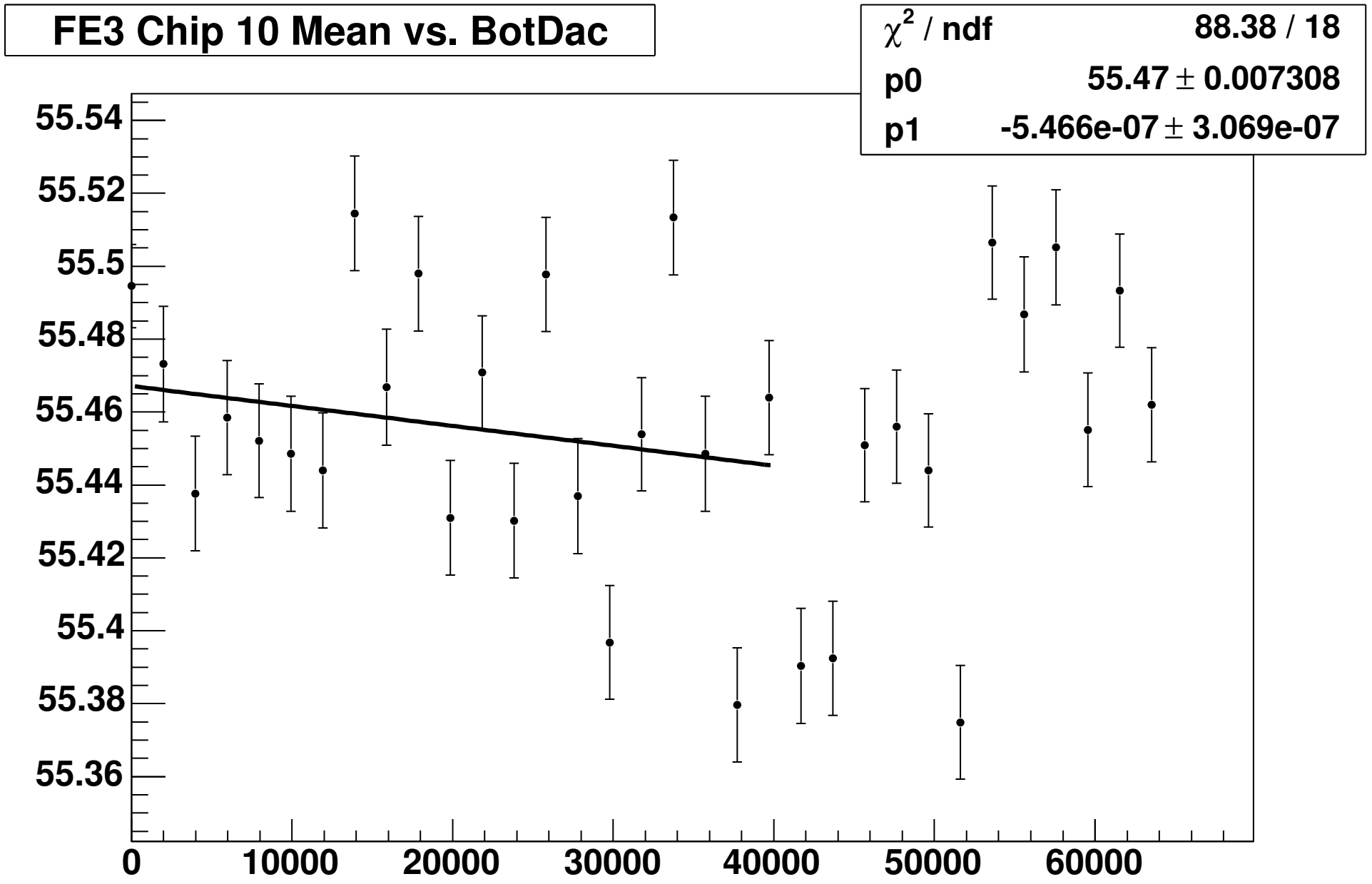

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 532.2 / 18
p0 1.351 ± 0.003947
p1 3.484e-05 ± 2.775e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

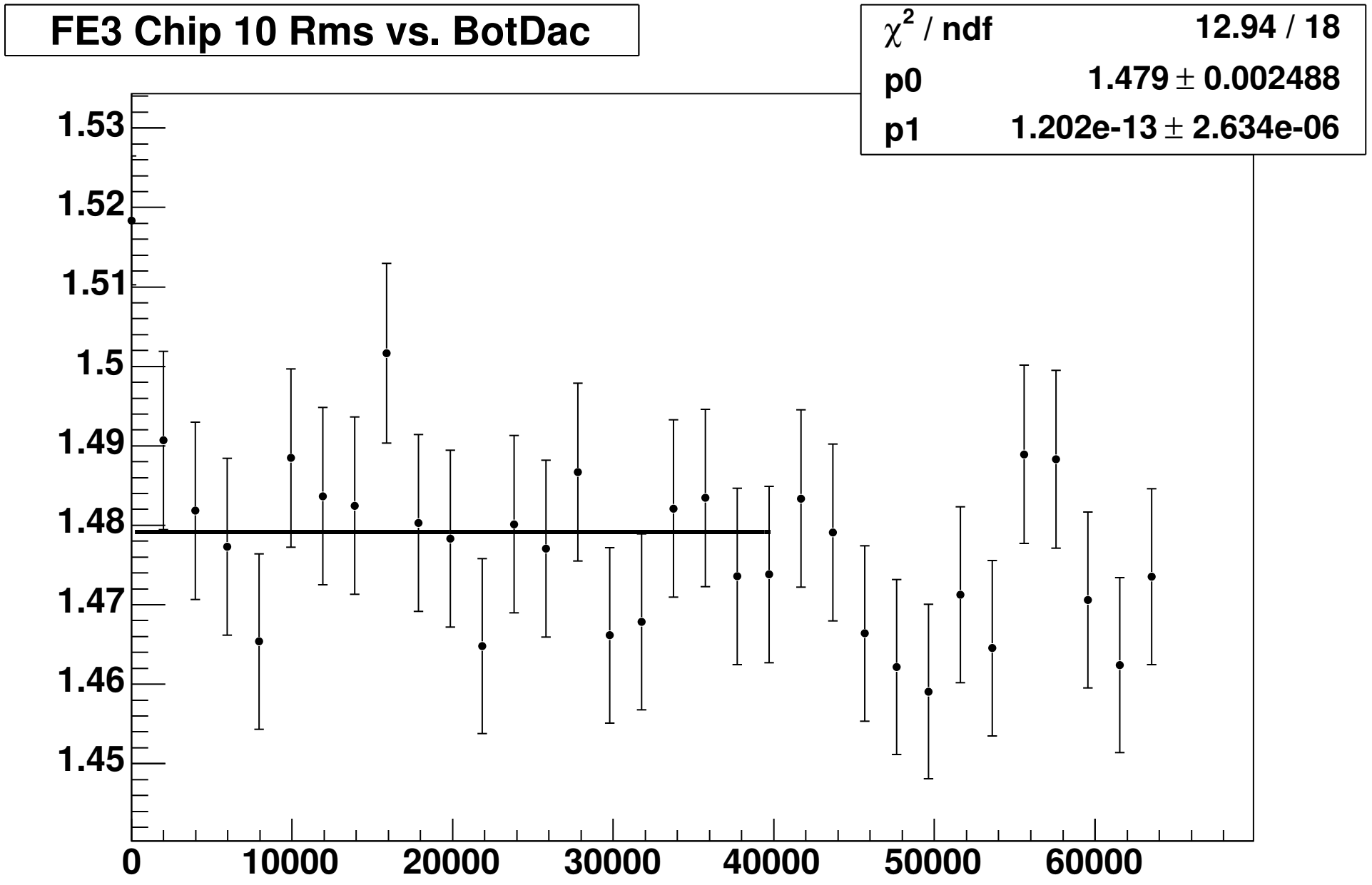

FE3 Chip 9 Mean vs. BotDac
χ^2 / ndf 92.23 / 18
p0 70.8 ± 0.007208
p1 8.75e-07 ± 3.026e-07
70.9
70.88
70.86
70.84
70.82
70.8
70.78
70.76
70.74
70.72
0
10000
20000
30000
40000
50000
60000

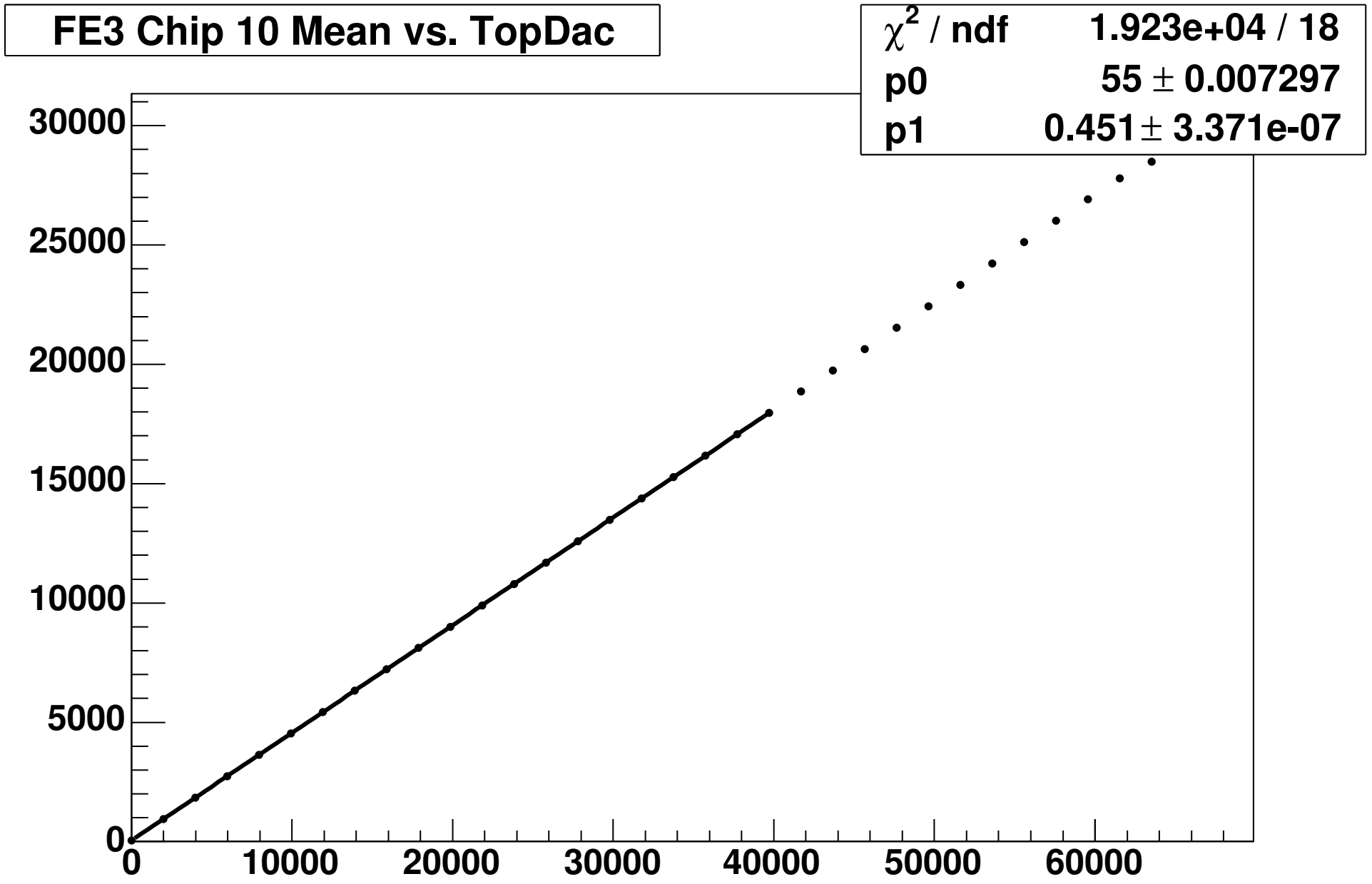

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 16.64 / 18
p0 1.459 ± 0.00246
p1 -3.617e-15 ± 2.538e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.477e+04 / 18
p0 70.04 ± 0.007314
p1 0.4516 ± 3.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 299.1 / 18
p0 1.374 ± 0.00401
p1 3.617e-05 ± 2.785e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 88.38 / 18
p0 55.47 ± 0.007308
p1 -5.466e-07 ± 3.069e-07
55.54
55.52
55.5
55.48
55.46
55.44
55.42
55.4
55.38
55.36
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 12.94 / 18
p0 1.479 ± 0.002488
p1 1.202e-13 ± 2.634e-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 10 Mean vs. TopDac
χ² / ndf 1.923e+04 / 18
p0 55 ± 0.007297
p1 0.451 ± 3.371e-07
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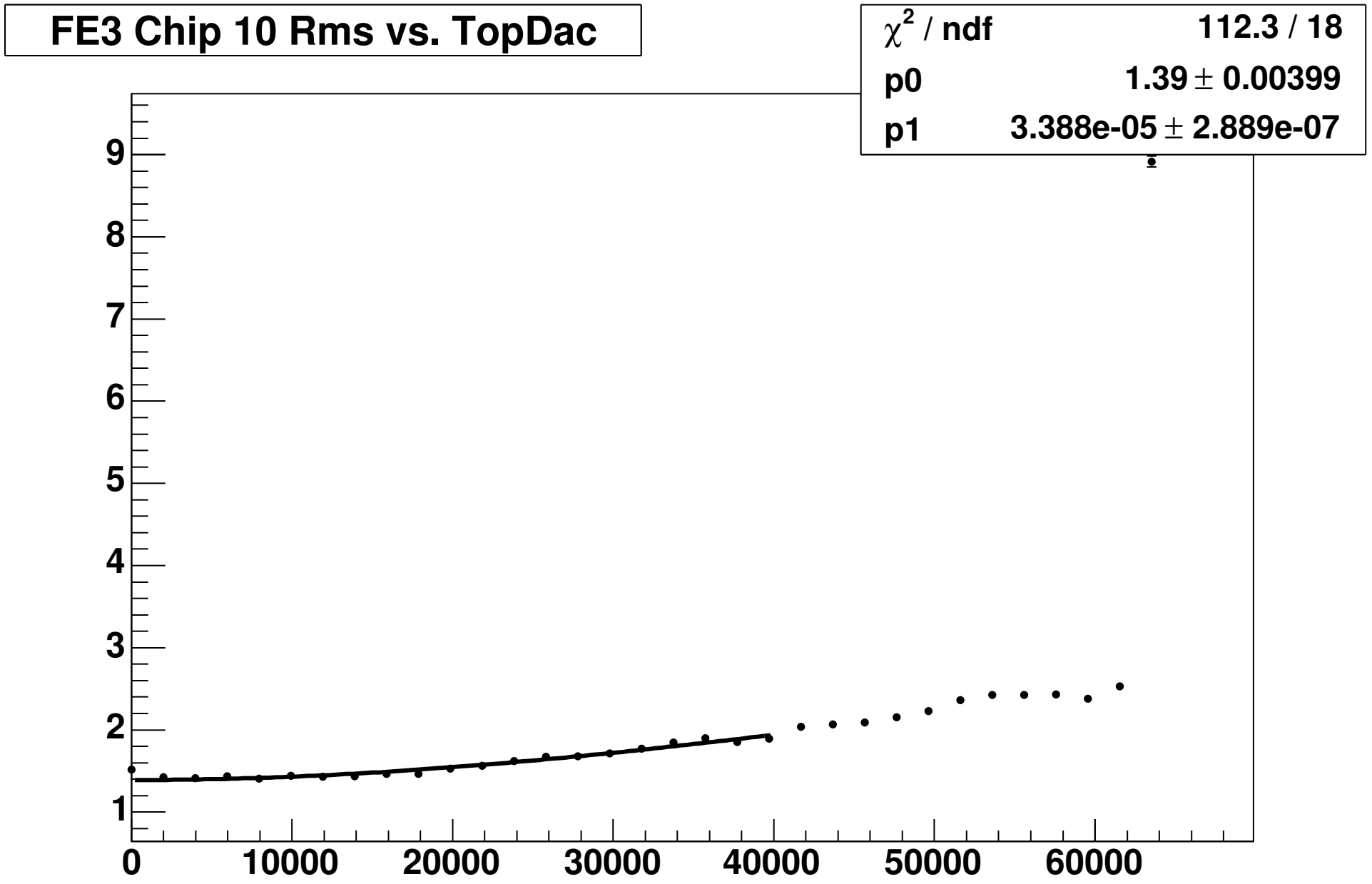
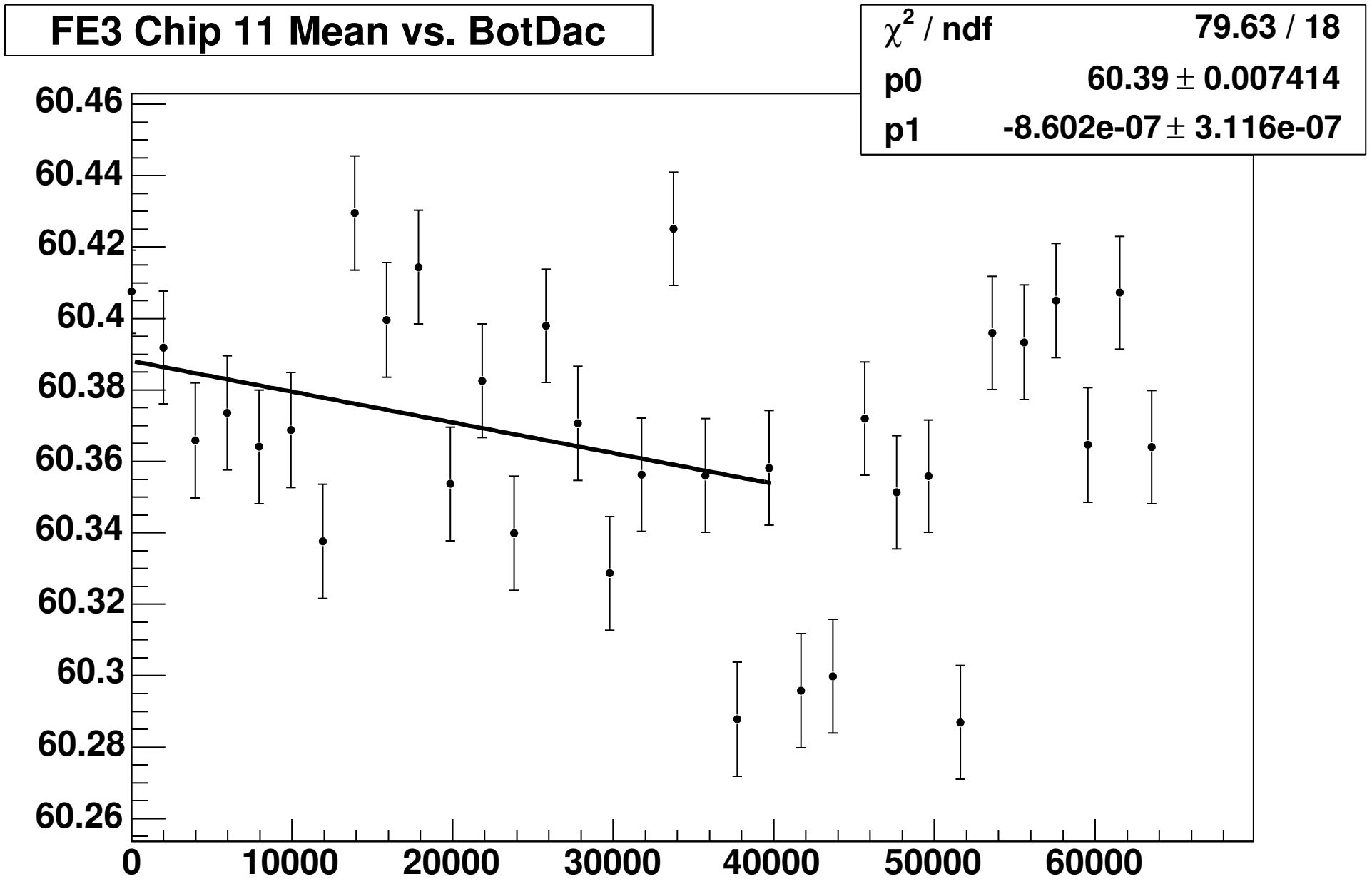
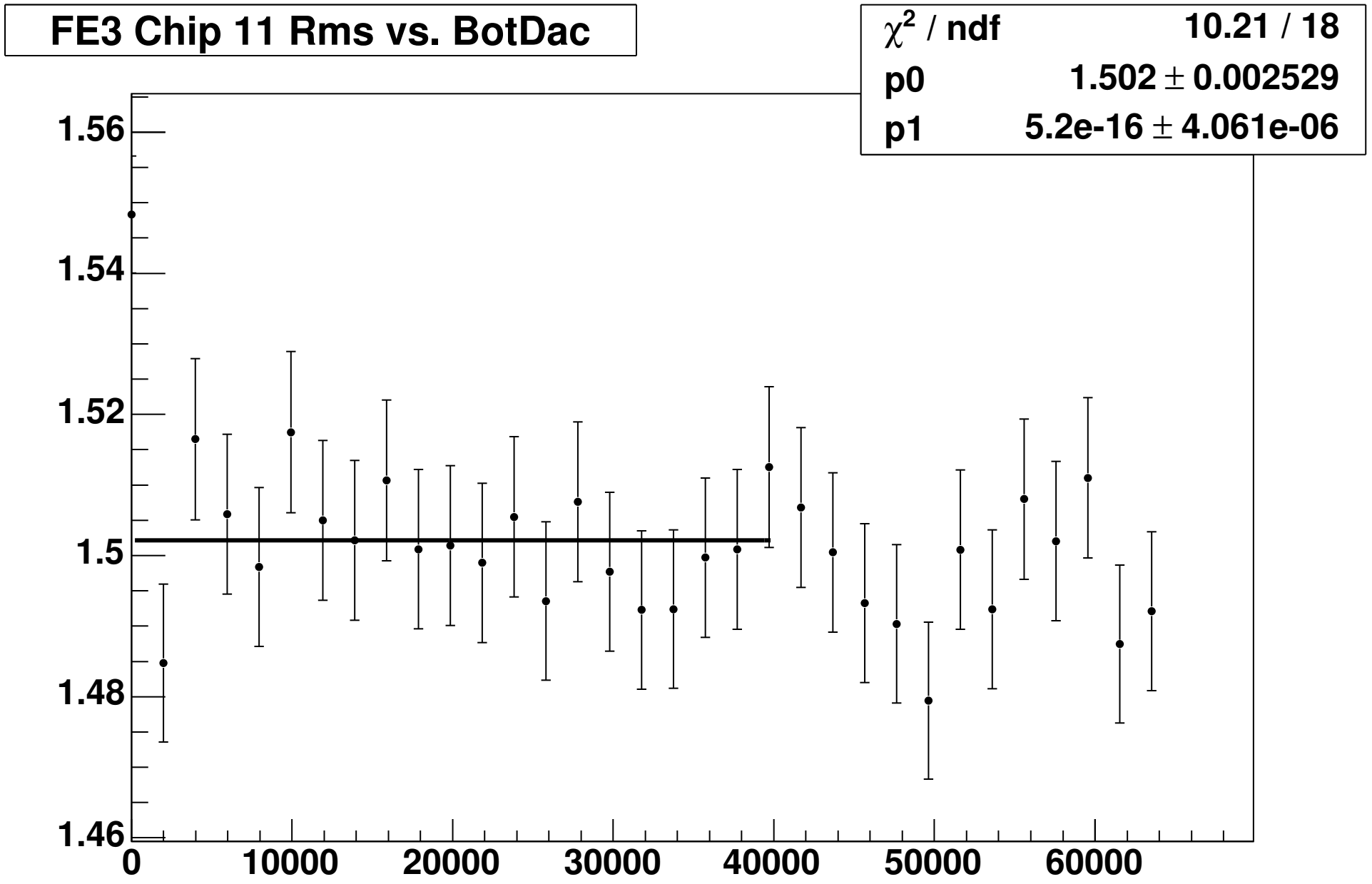
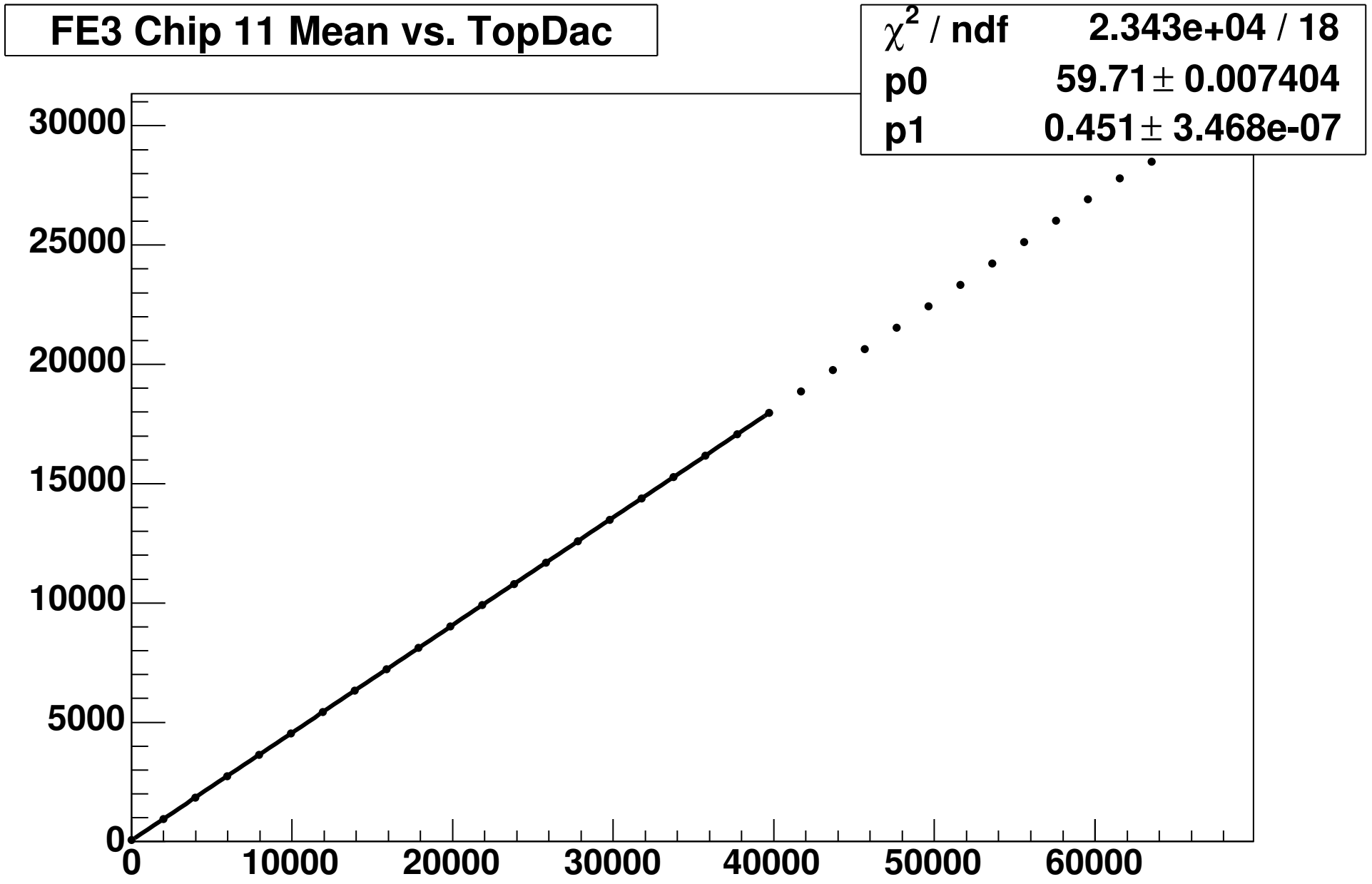
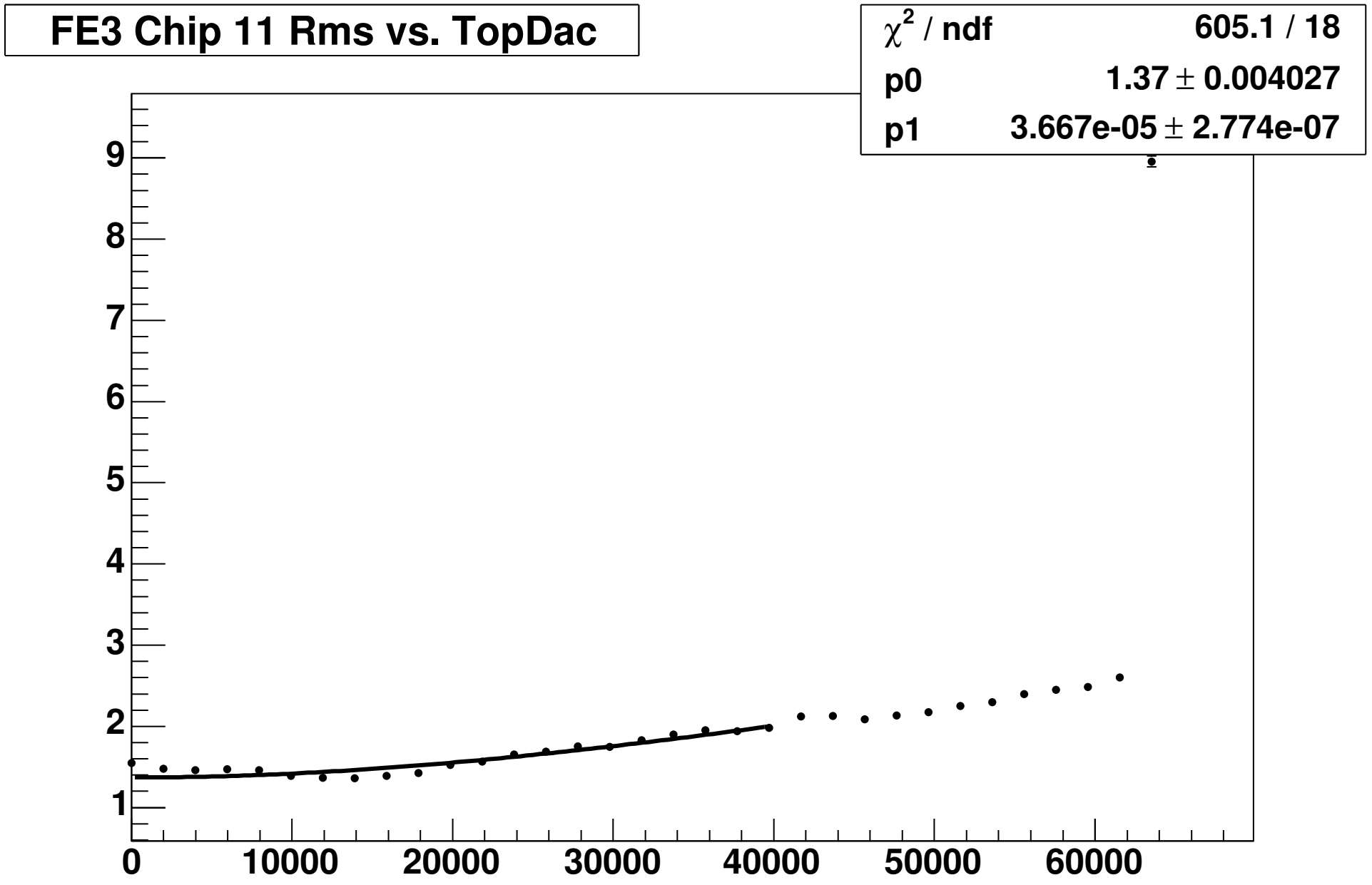
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

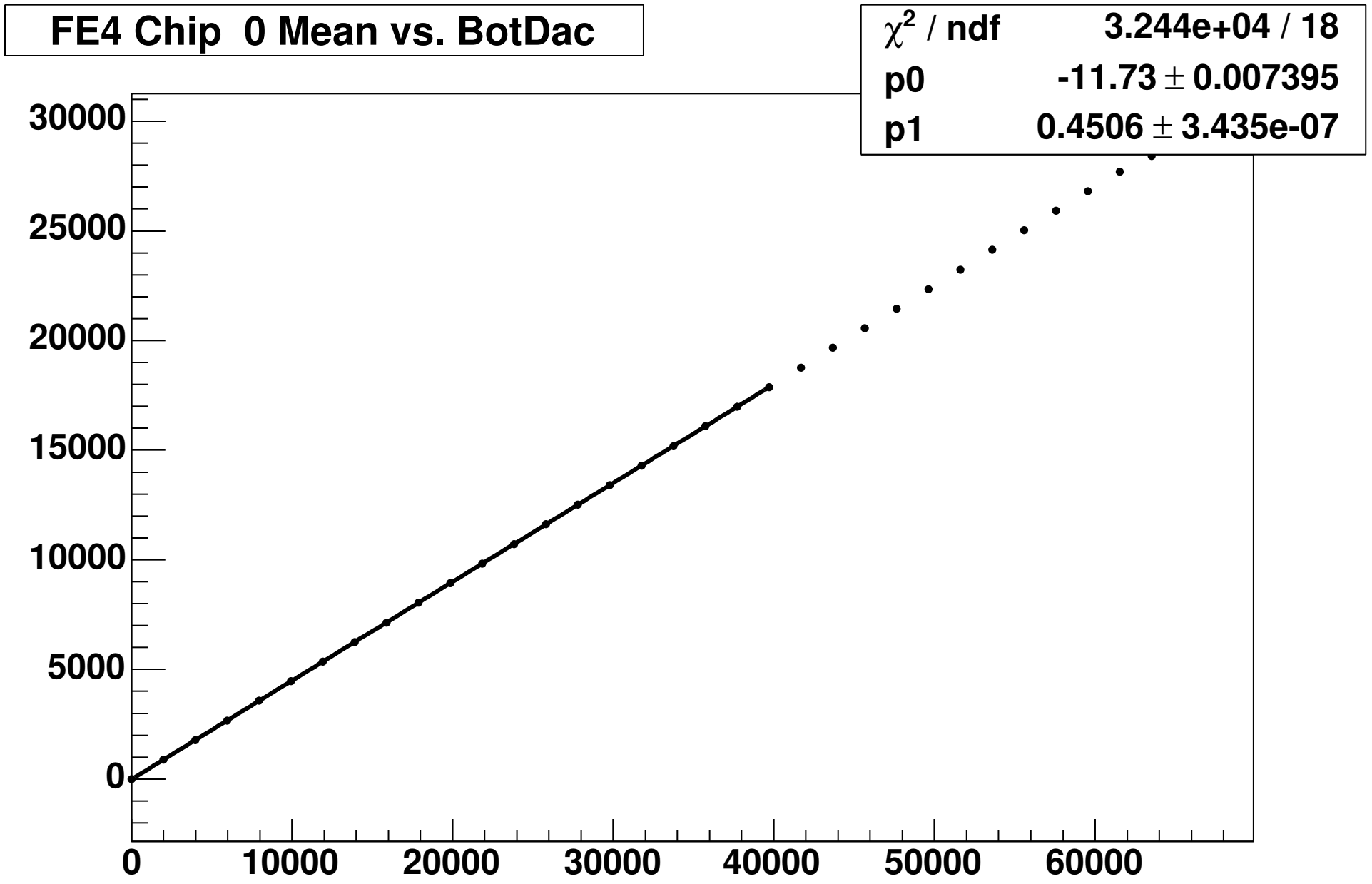

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 112.3 / 18
p0 1.39 ± 0.00399
p1 3.388e-05 ± 2.889e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

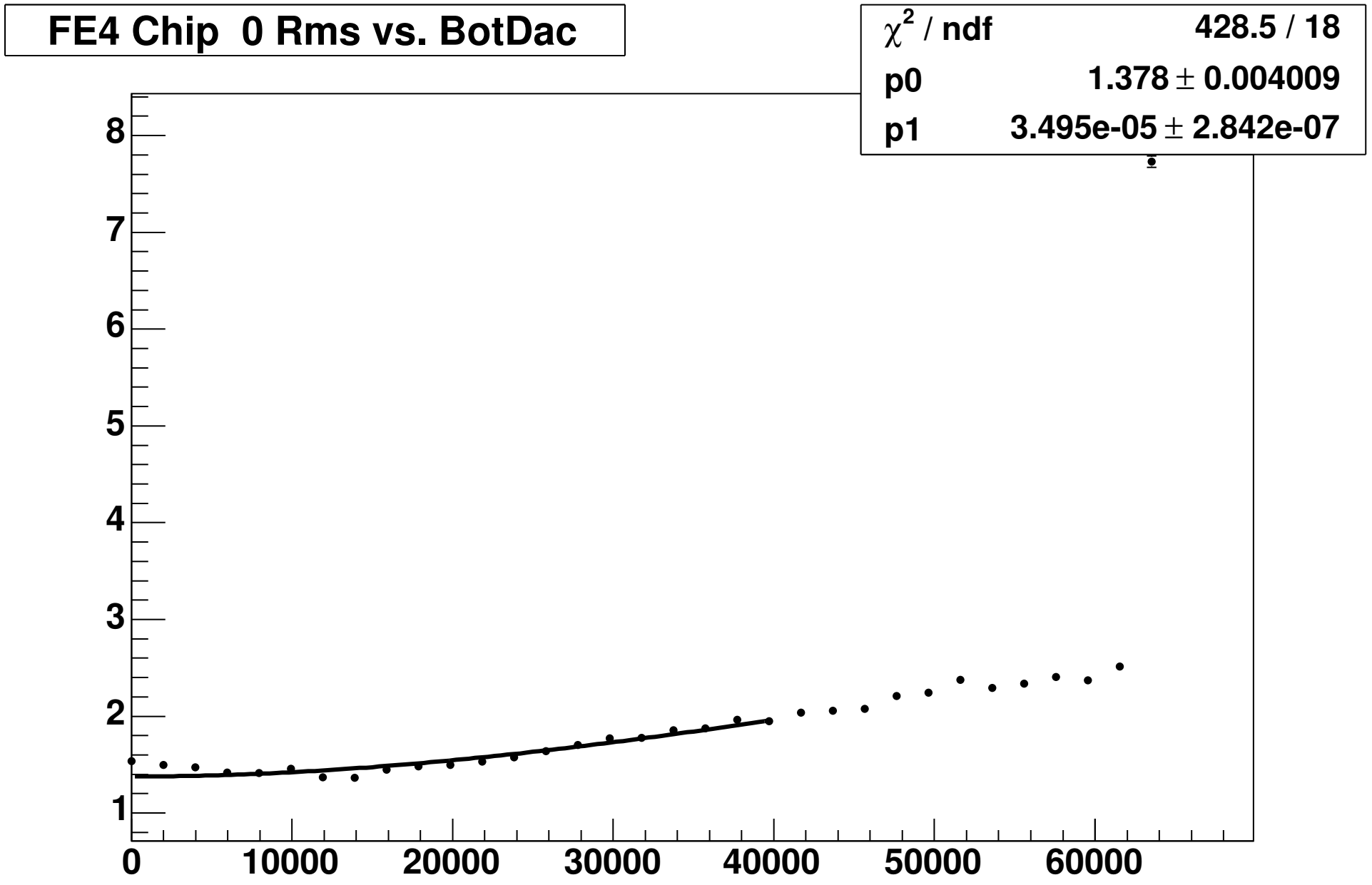

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 79.63 / 18
p0 60.39 ± 0.007414
p1 -8.602e-07 ± 3.116e-07
60.46
60.44
60.42
60.4
60.38
60.36
60.34
60.32
60.3
60.28
60.26
0
10000
20000
30000
40000
50000
60000

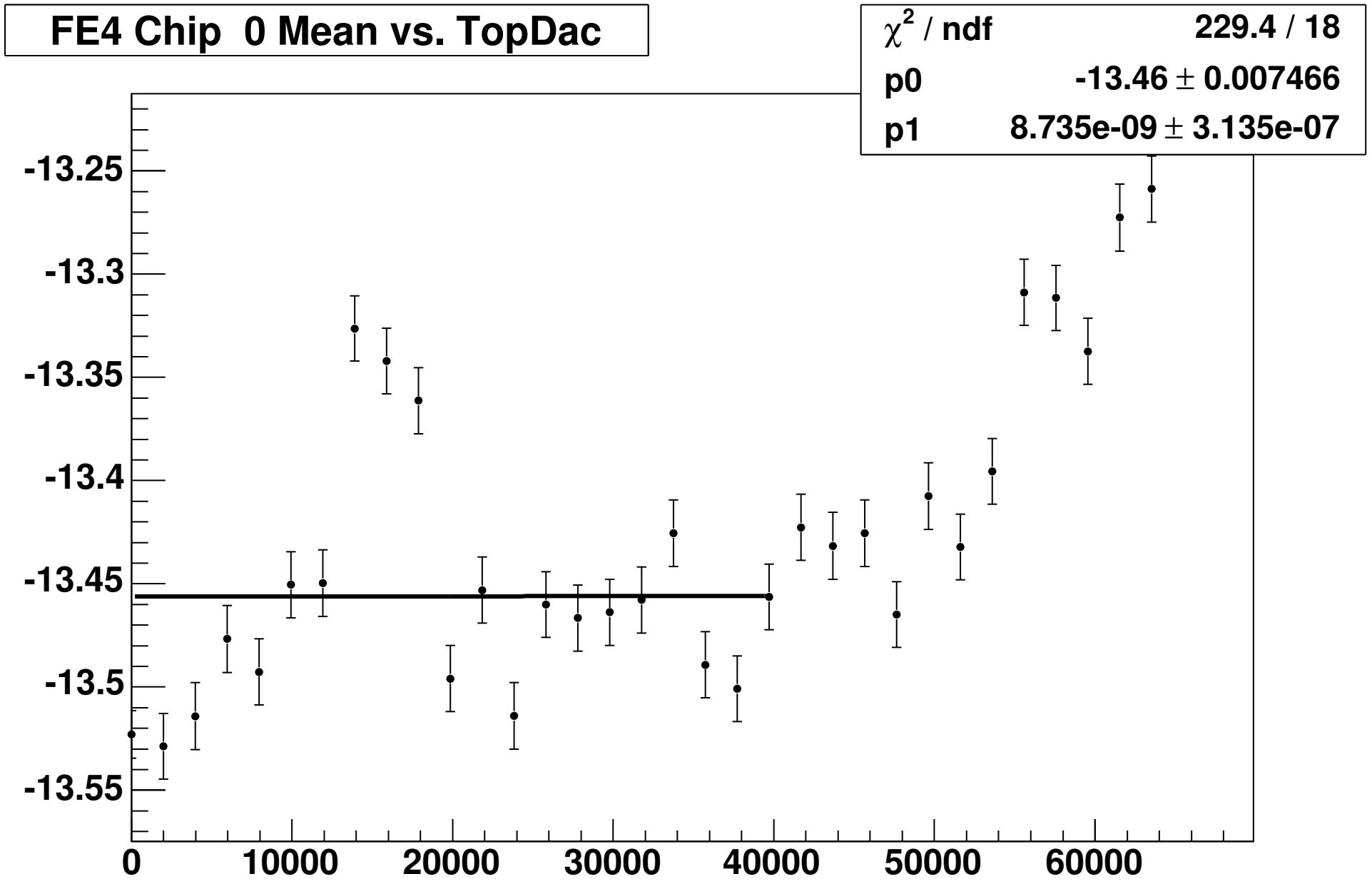

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 10.21 / 18
p0 1.502 ± 0.002529
p1 5.2e-16 ± 4.061e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

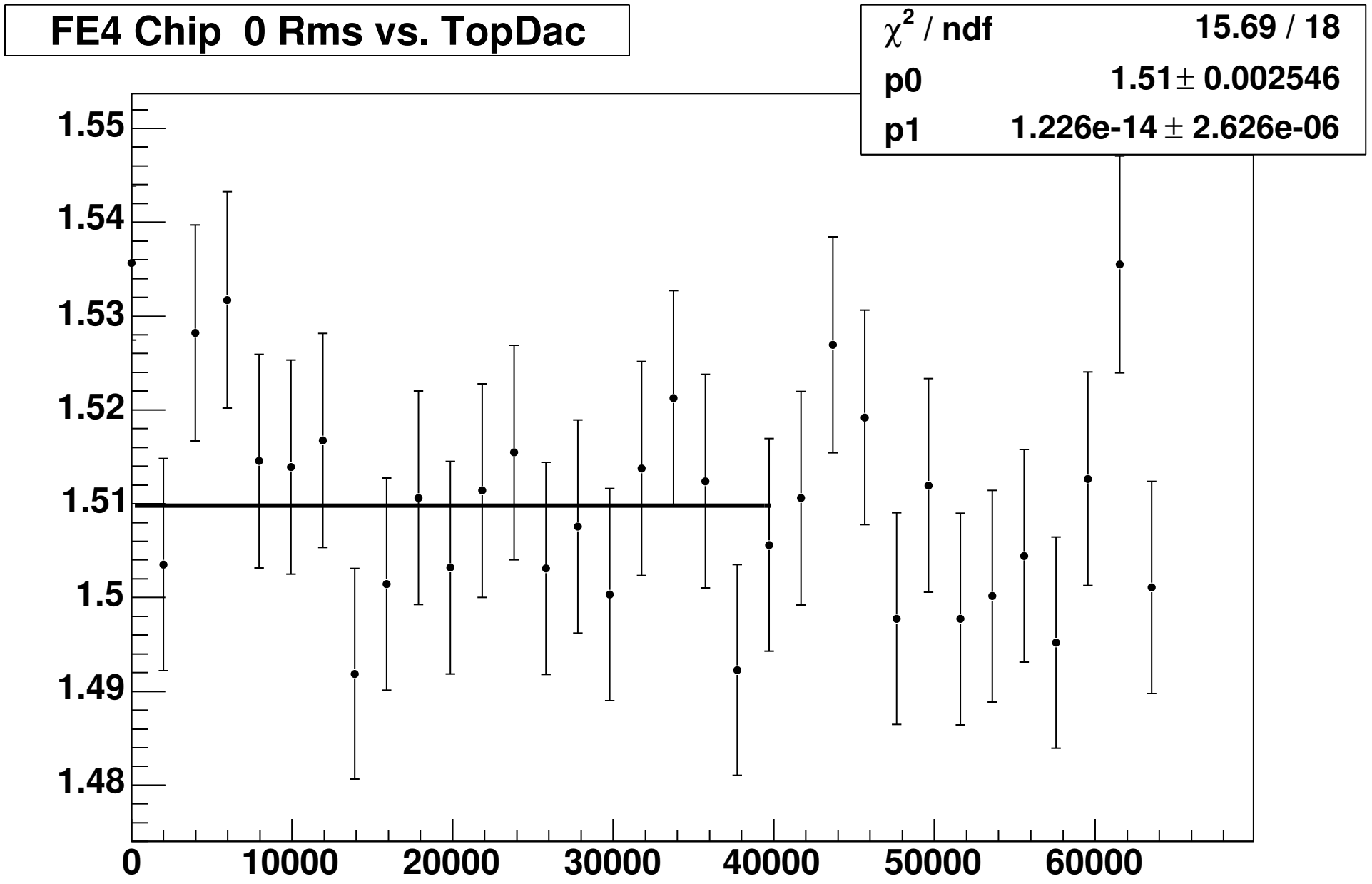

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 2.343e+04 / 18
p0 59.71 ± 0.007404
p1 0.451 ± 3.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

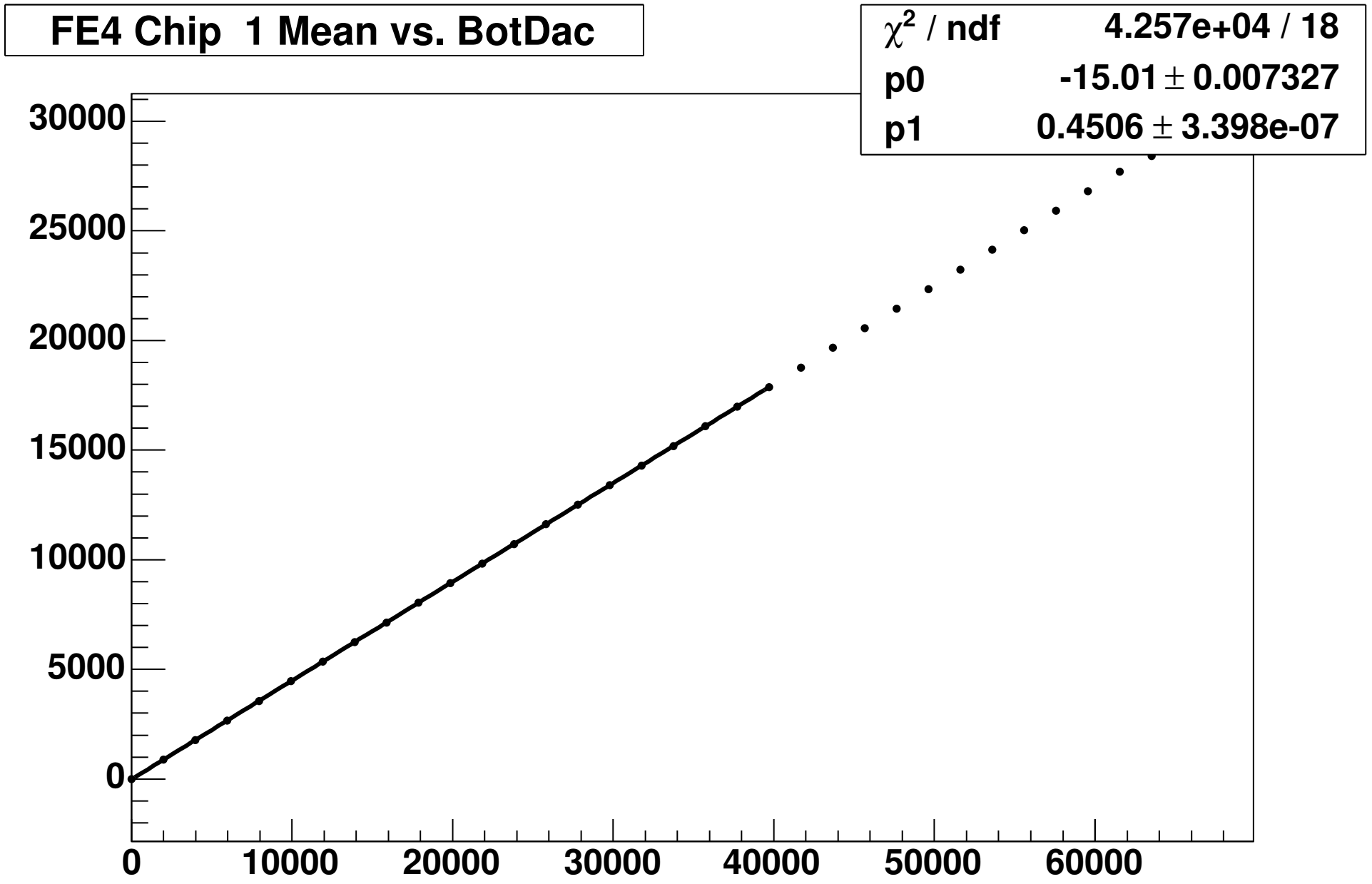

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 605.1 / 18
p0 1.37 ± 0.004027
p1 3.667e-05 ± 2.774e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

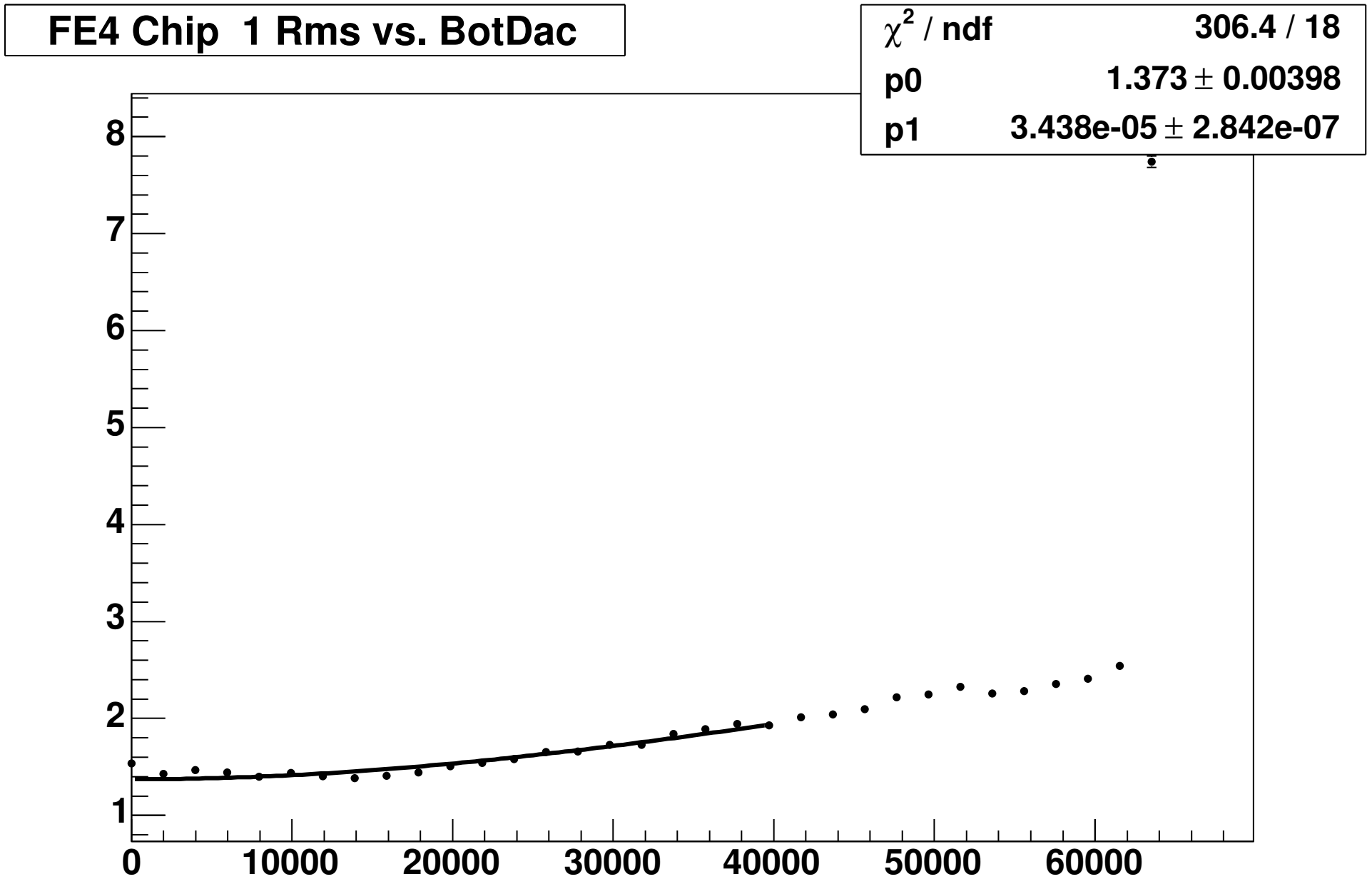

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 3.244e+04 / 18
p0 -11.73 ± 0.007395
p1 0.4506 ± 3.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

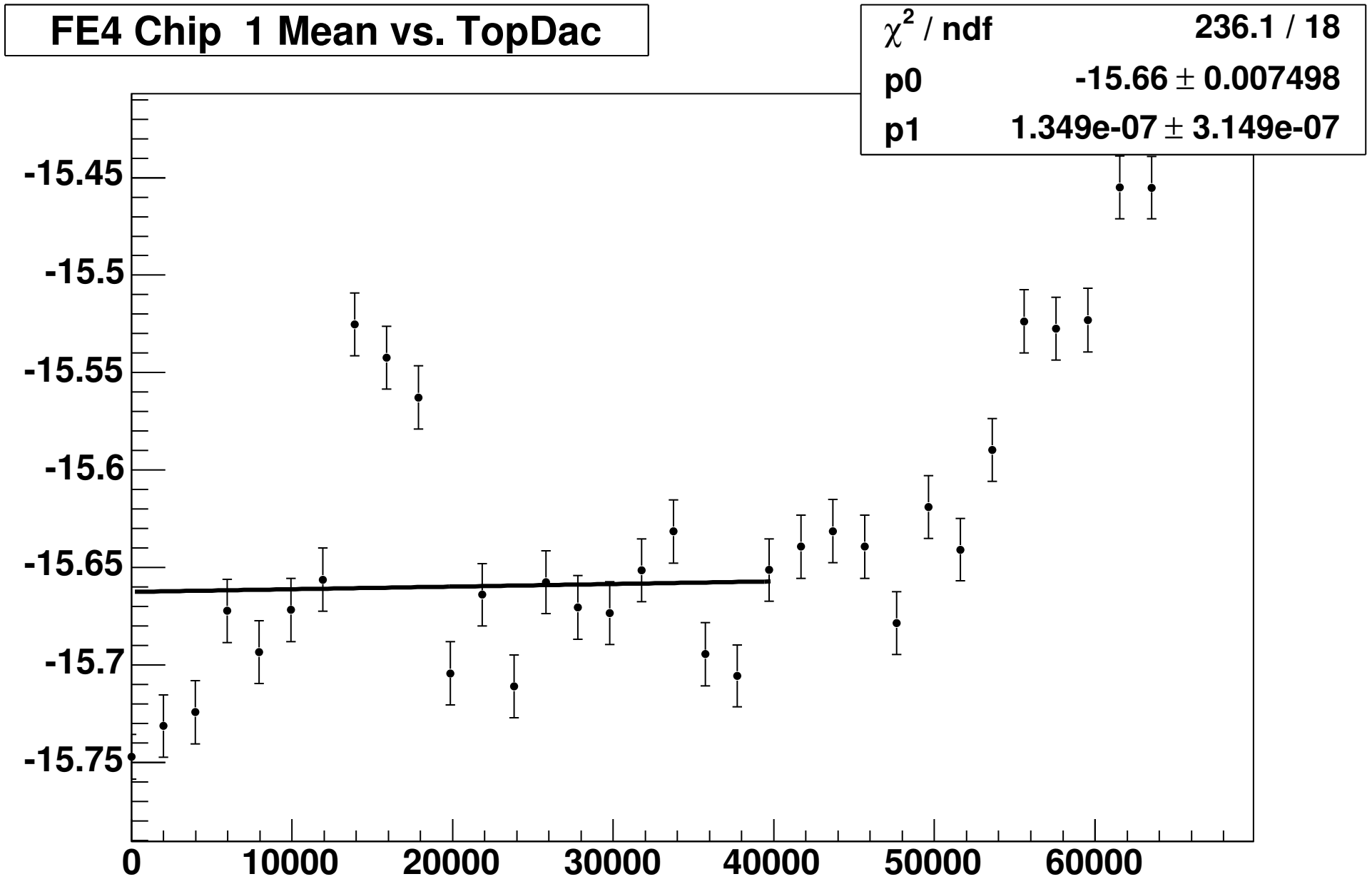

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 428.5 / 18
p0 1.378 ± 0.004009
p1 3.495e-05 ± 2.842e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

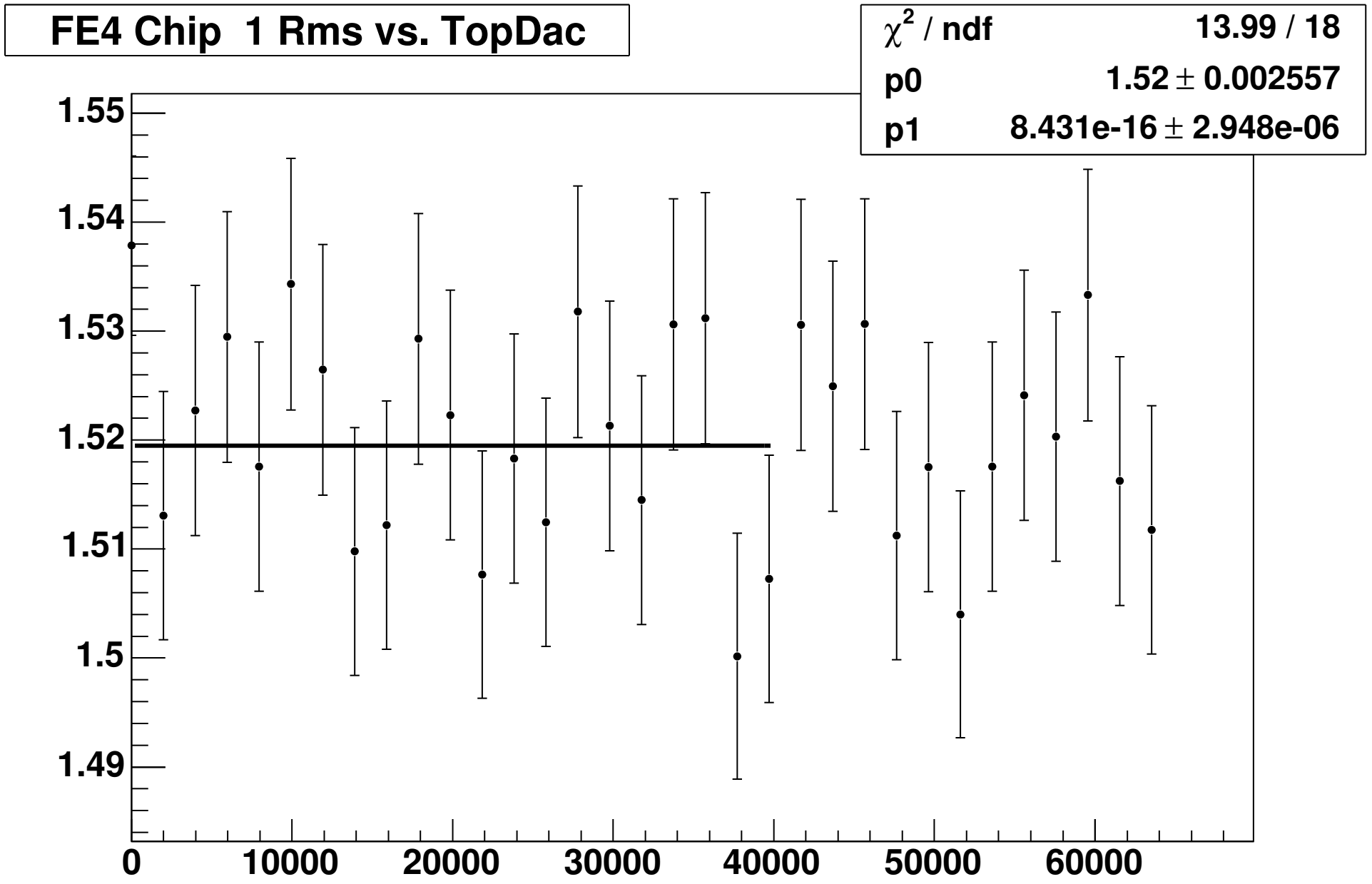

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 229.4 / 18
p0 -13.46 ± 0.007466
p1 8.735e-09 ± 3.135e-07
-13.25
-13.3
-13.35
-13.4
-13.45
-13.5
-13.55
0
10000
20000
30000
40000
50000
60000

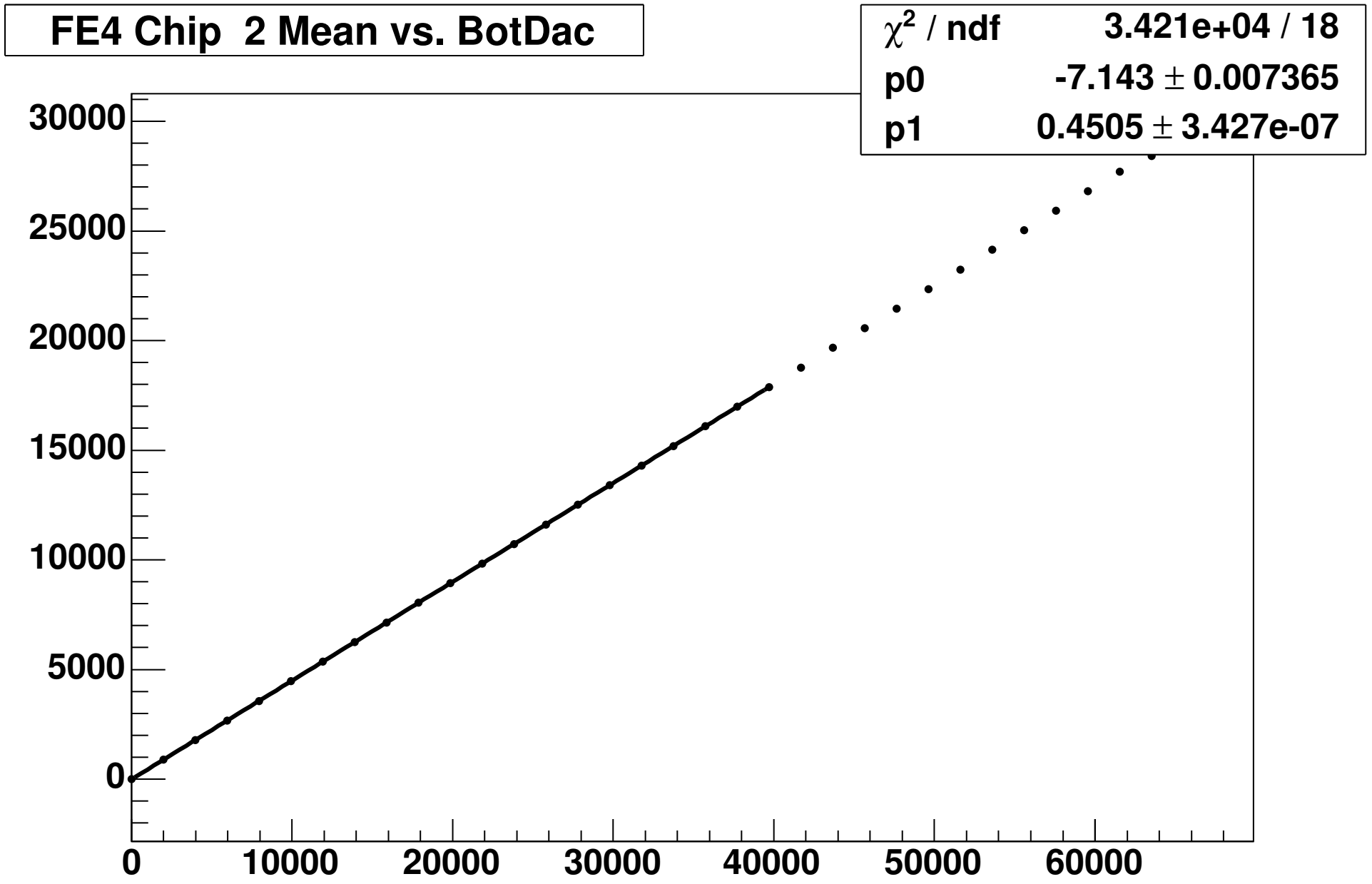

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 15.69 / 18
p0 1.51 ± 0.002546
p1 1.226e-14 ± 2.626e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 4.257e+04 / 18
p0 -15.01 ± 0.007327
p1 0.4506 ± 3.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 306.4 / 18
p0 1.373 ± 0.00398
p1 3.438e-05 ± 2.842e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 236.1 / 18
p0 -15.66 ± 0.007498
p1 1.349e-07 ± 3.149e-07
-15.45
-15.5
-15.55
-15.6
-15.65
-15.7
-15.75
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 13.99 / 18
p0 1.52 ± 0.002557
p1 8.431e-16 ± 2.948e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 3.421e+04 / 18
p0 -7.143 ± 0.007365
p1 0.4505 ± 3.427e-07
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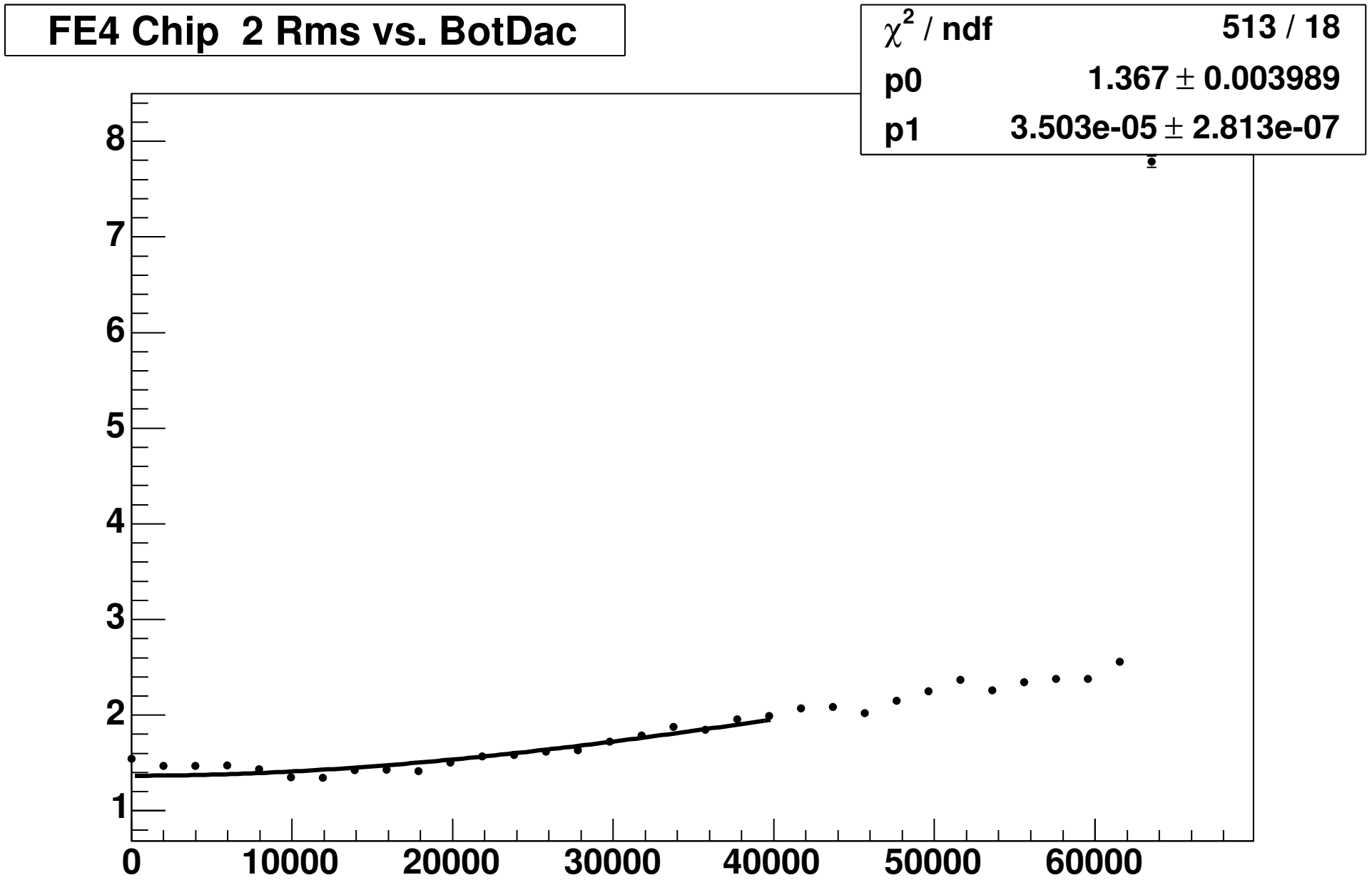
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 513 / 18
p0 1.367 ± 0.003989
p1 3.503e-05 ± 2.813e-07
8
7
6
5
4
3
2
1
0
10000
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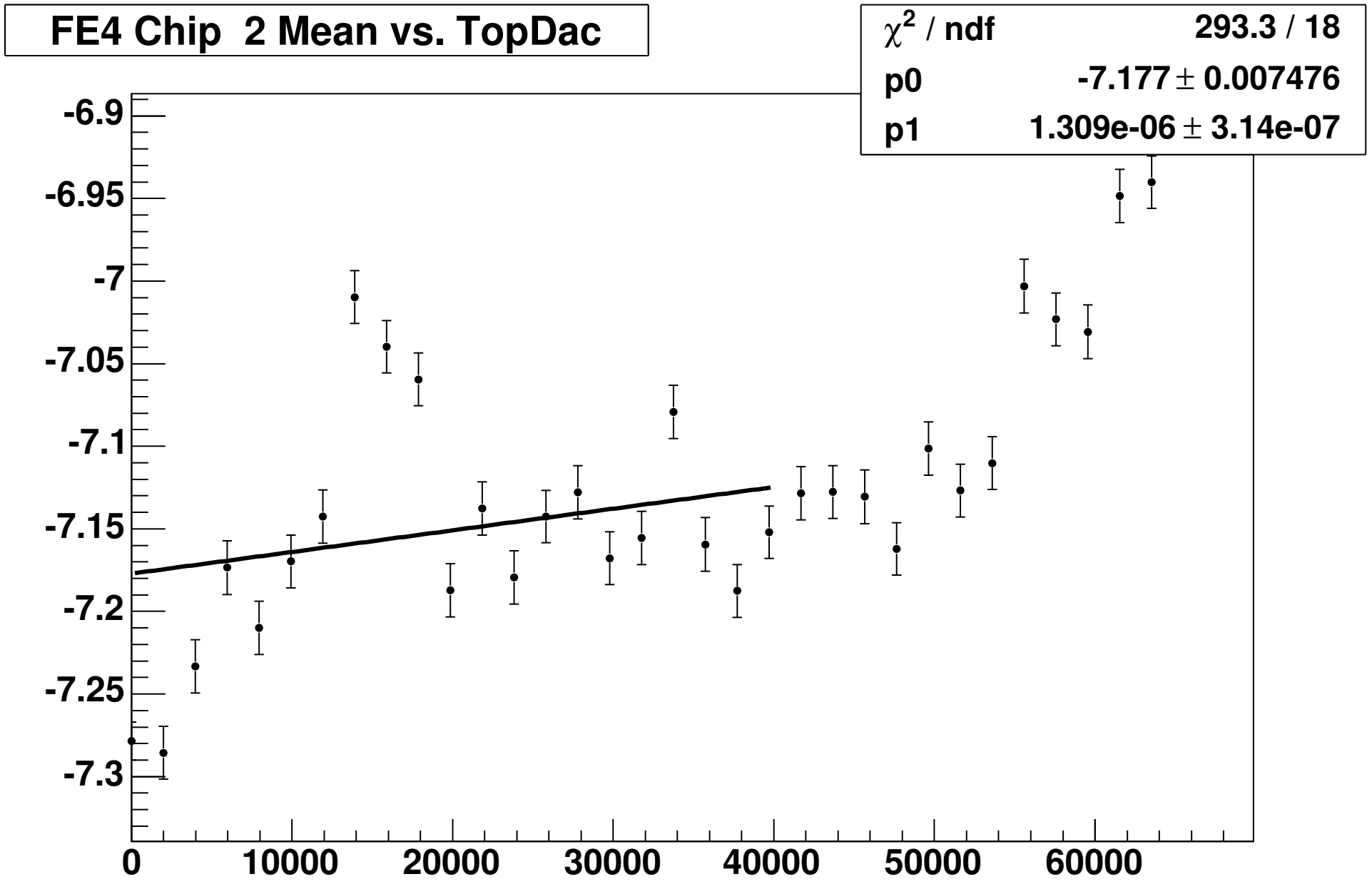
30000
40000
50000
60000


FE4 Chip 2 Mean vs. TopDac
χ^2 / ndf 293.3 / 18
p0 -7.177 ± 0.007476
p1 1.309e-06 ± 3.14e-07
-6.9
-6.95
-7
-7.05
-7.1
-7.15
-7.2
-7.25
-7.3
0
10000
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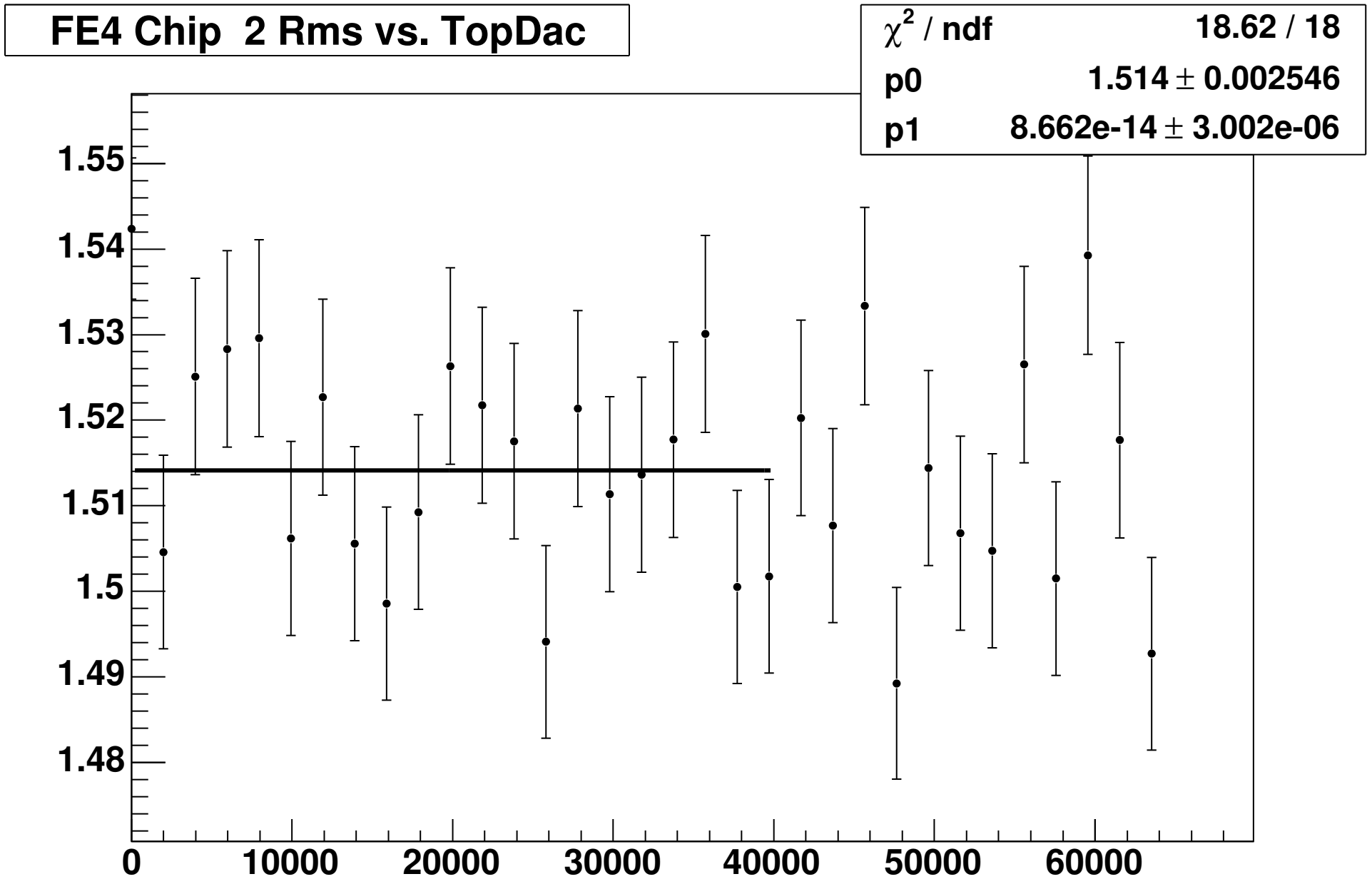
30000
40000
50000
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 18.62 / 18
p0 1.514 ± 0.002546
p1 8.662e-14 ± 3.002e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
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40000
50000
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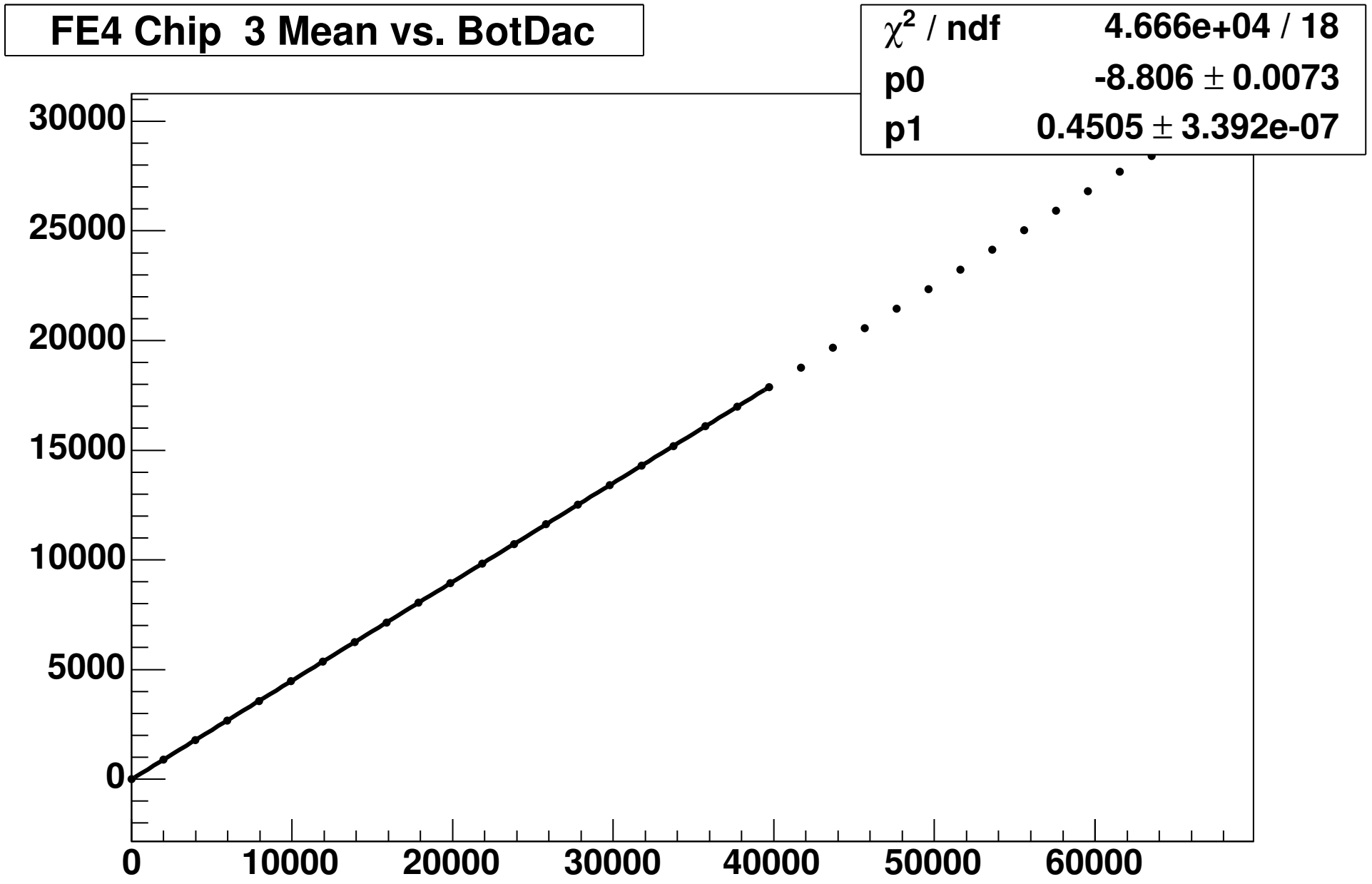
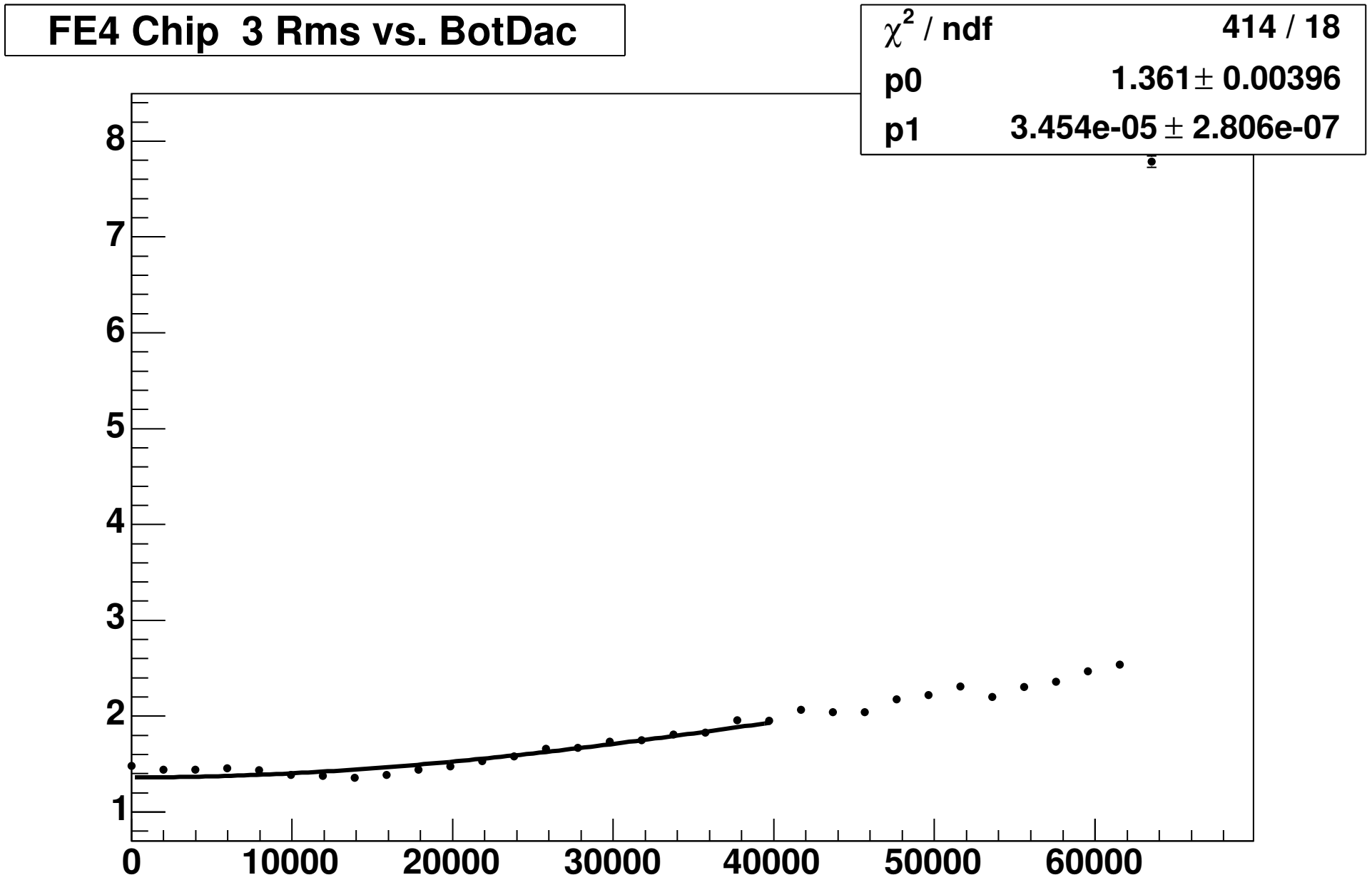
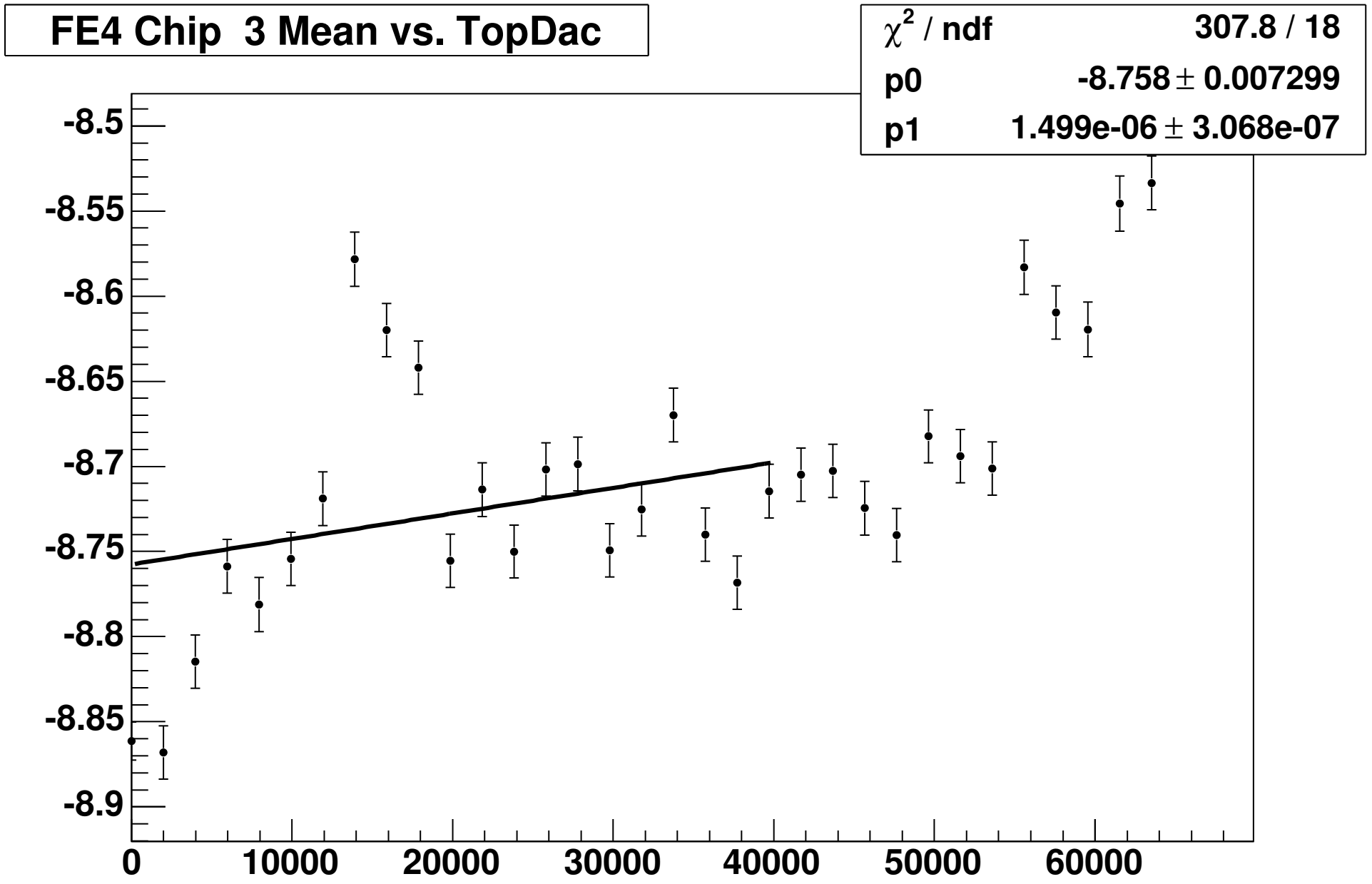

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.666e+04 / 18
p0 -8.806 ± 0.0073
p1 0.4505 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 414 / 18
p0 1.361 ± 0.00396
p1 3.454e-05 ± 2.806e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 307.8 / 18
p0 -8.758 ± 0.007299
p1 1.499e-06 ± 3.068e-07
-8.5
-8.55
-8.6
-8.65
-8.7
-8.75
-8.8
-8.85
-8.9
0
10000
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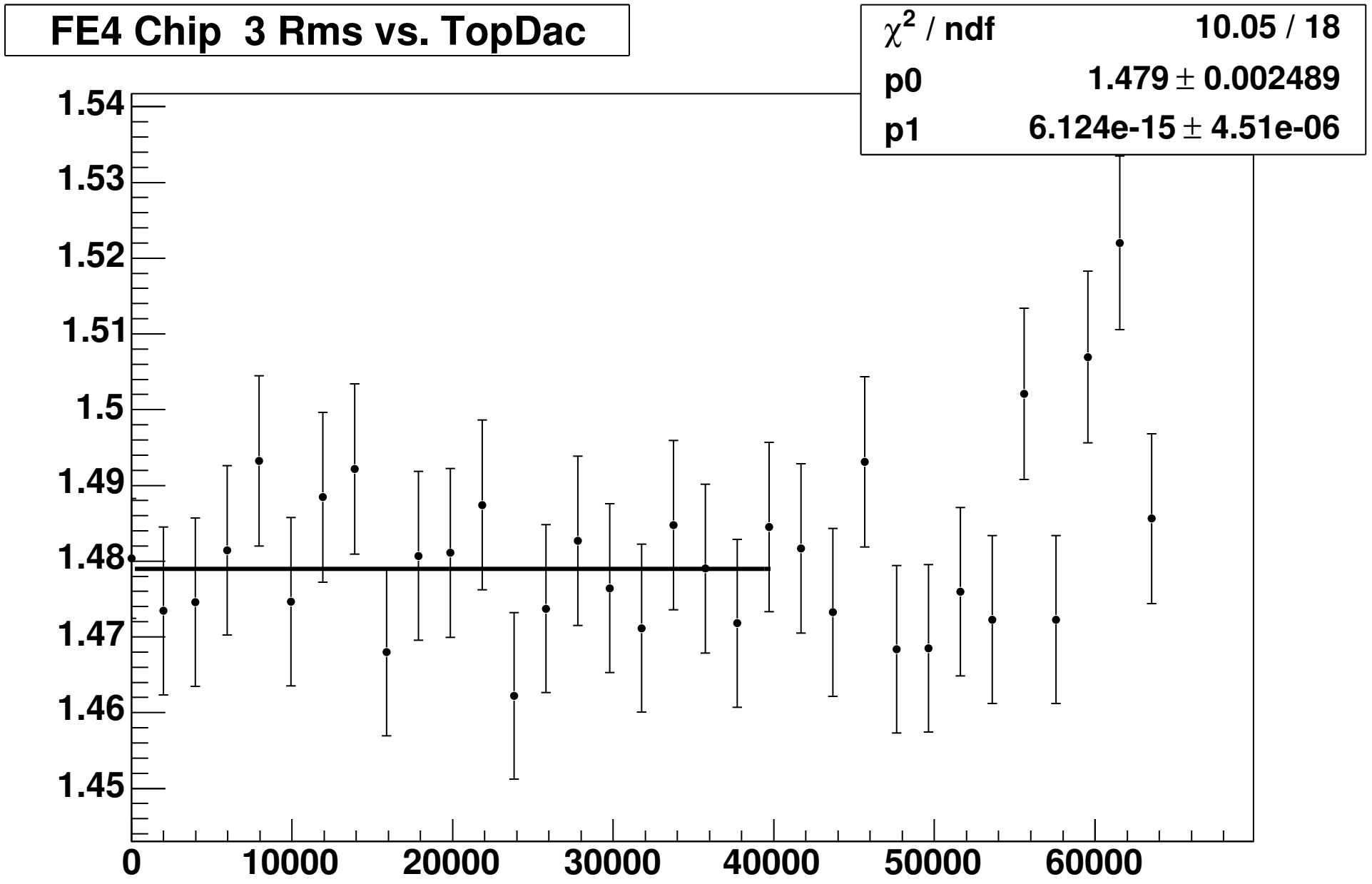
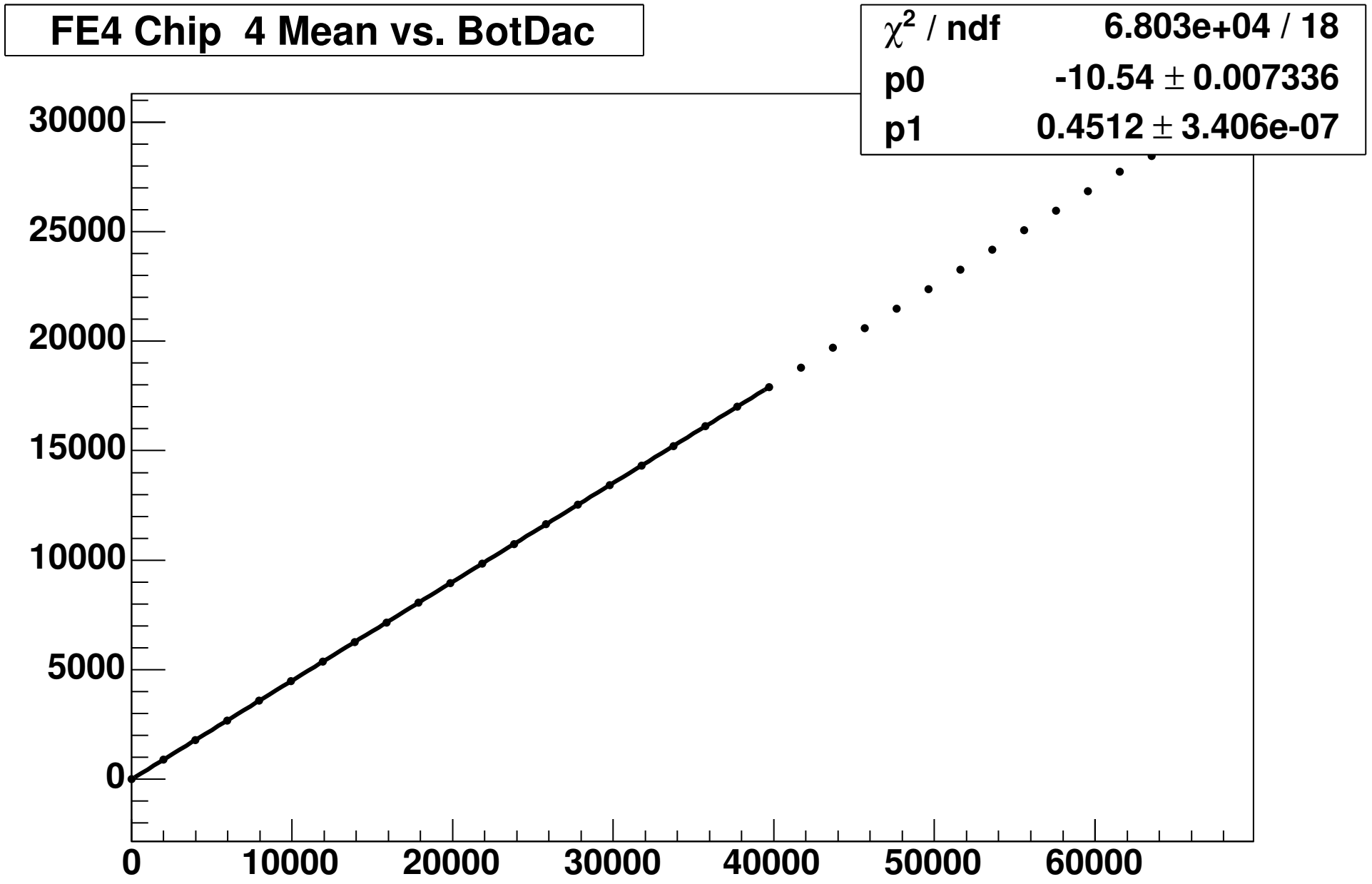
40000
50000
60000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 10.05 / 18
p0 1.479 ± 0.002489
p1 6.124e-15 ± 4.51e-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


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 6.803e+04 / 18
p0 -10.54 ± 0.007336
p1 0.4512 ± 3.406e-07
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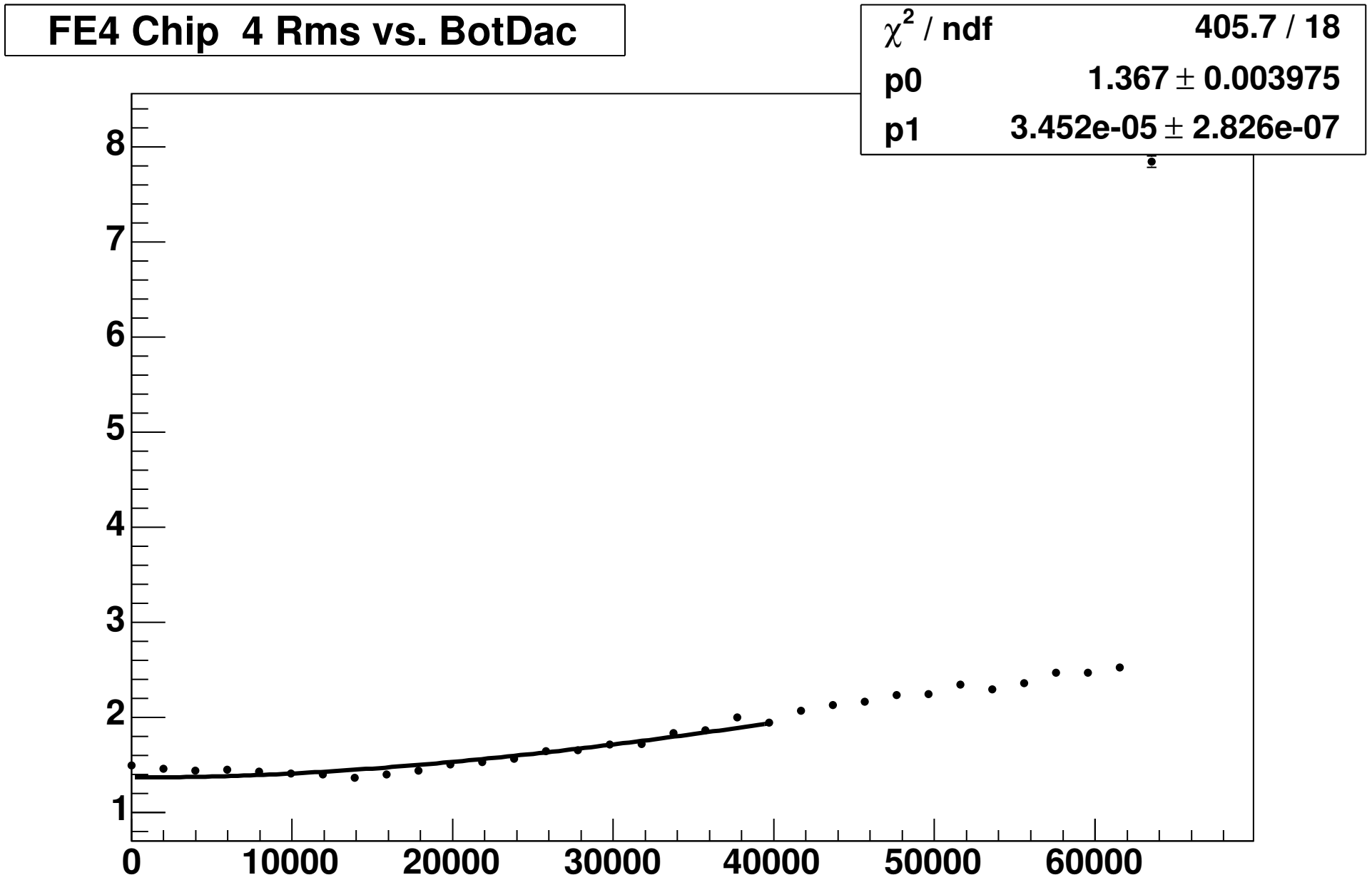
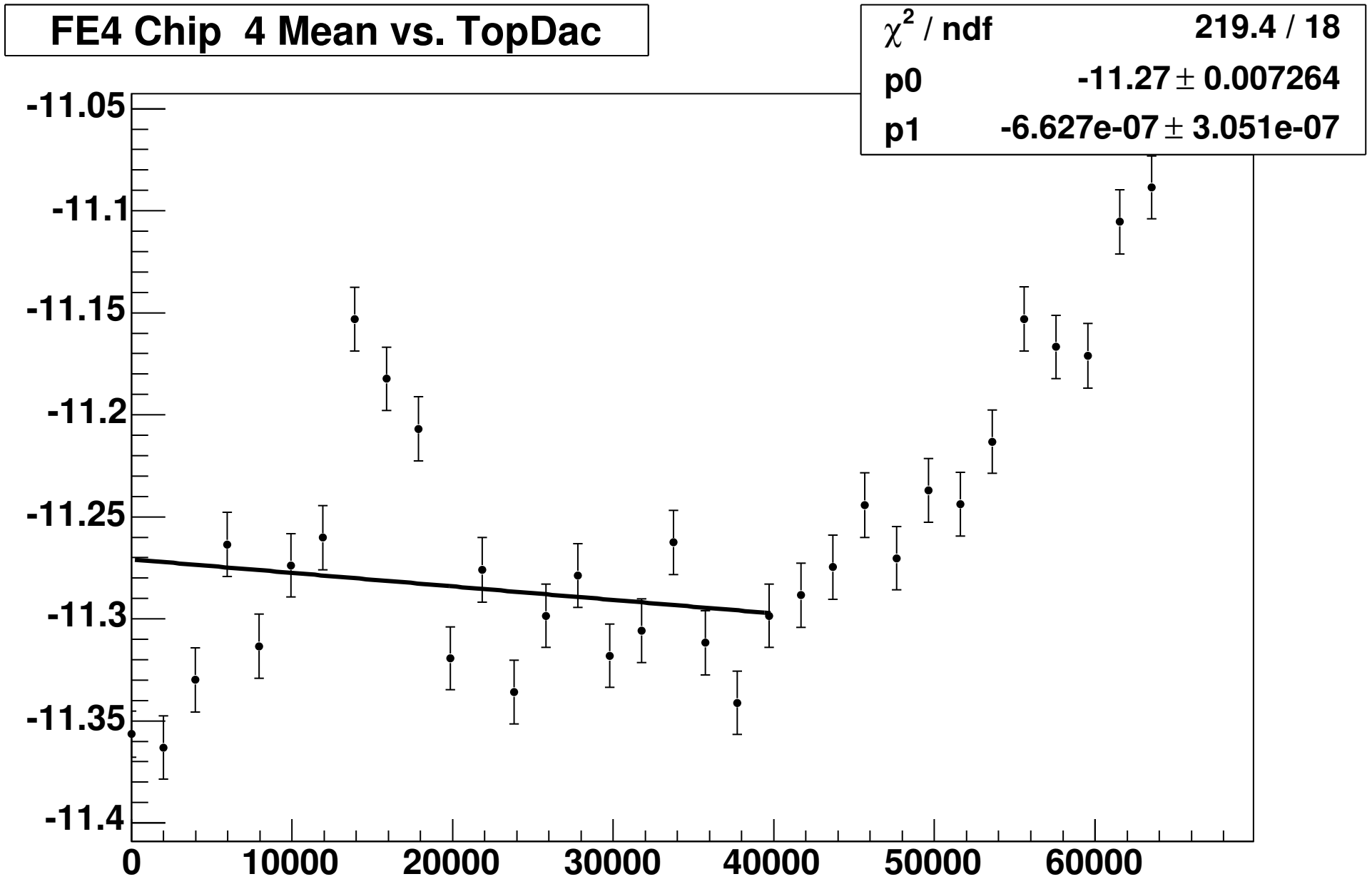
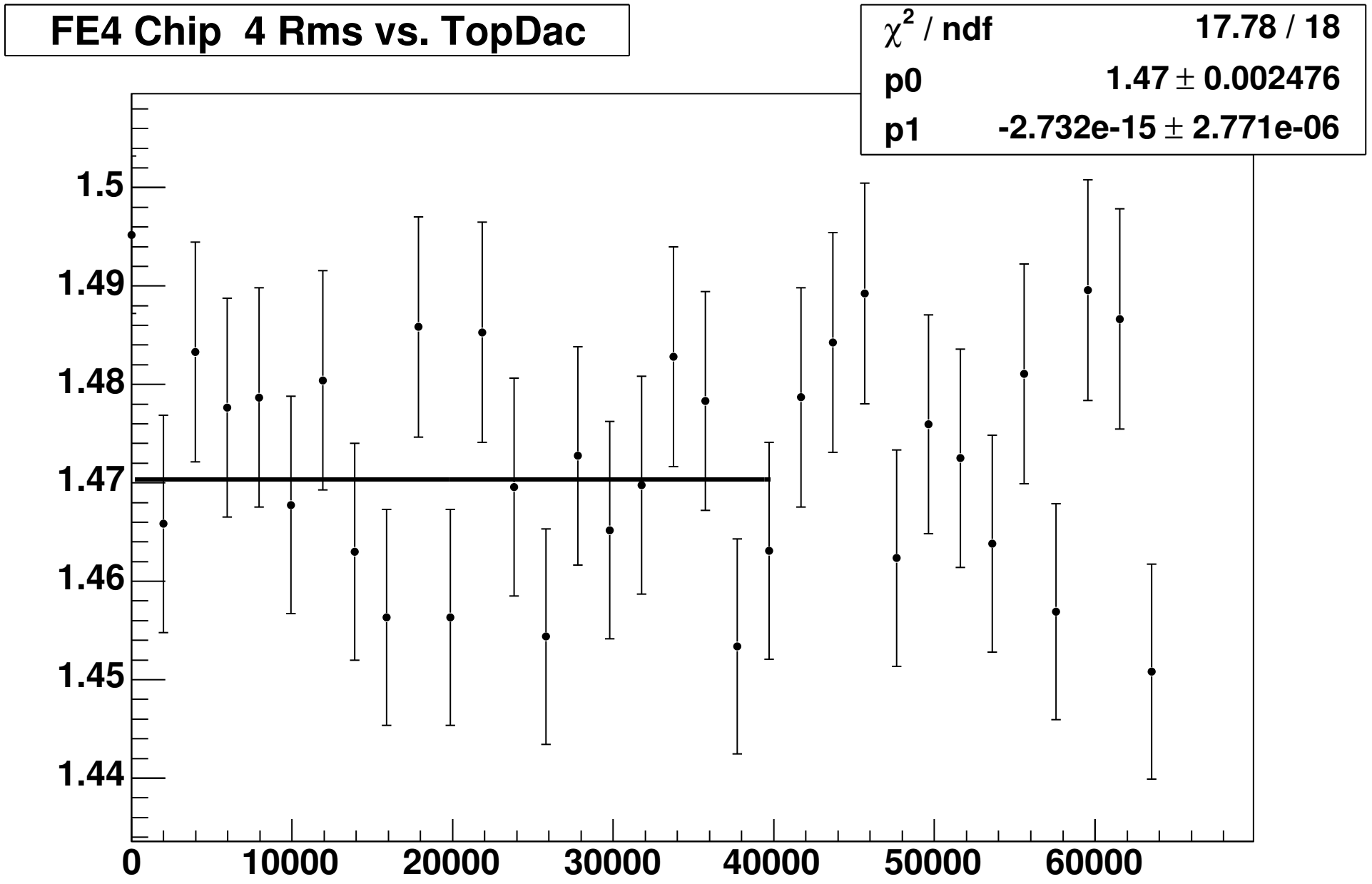
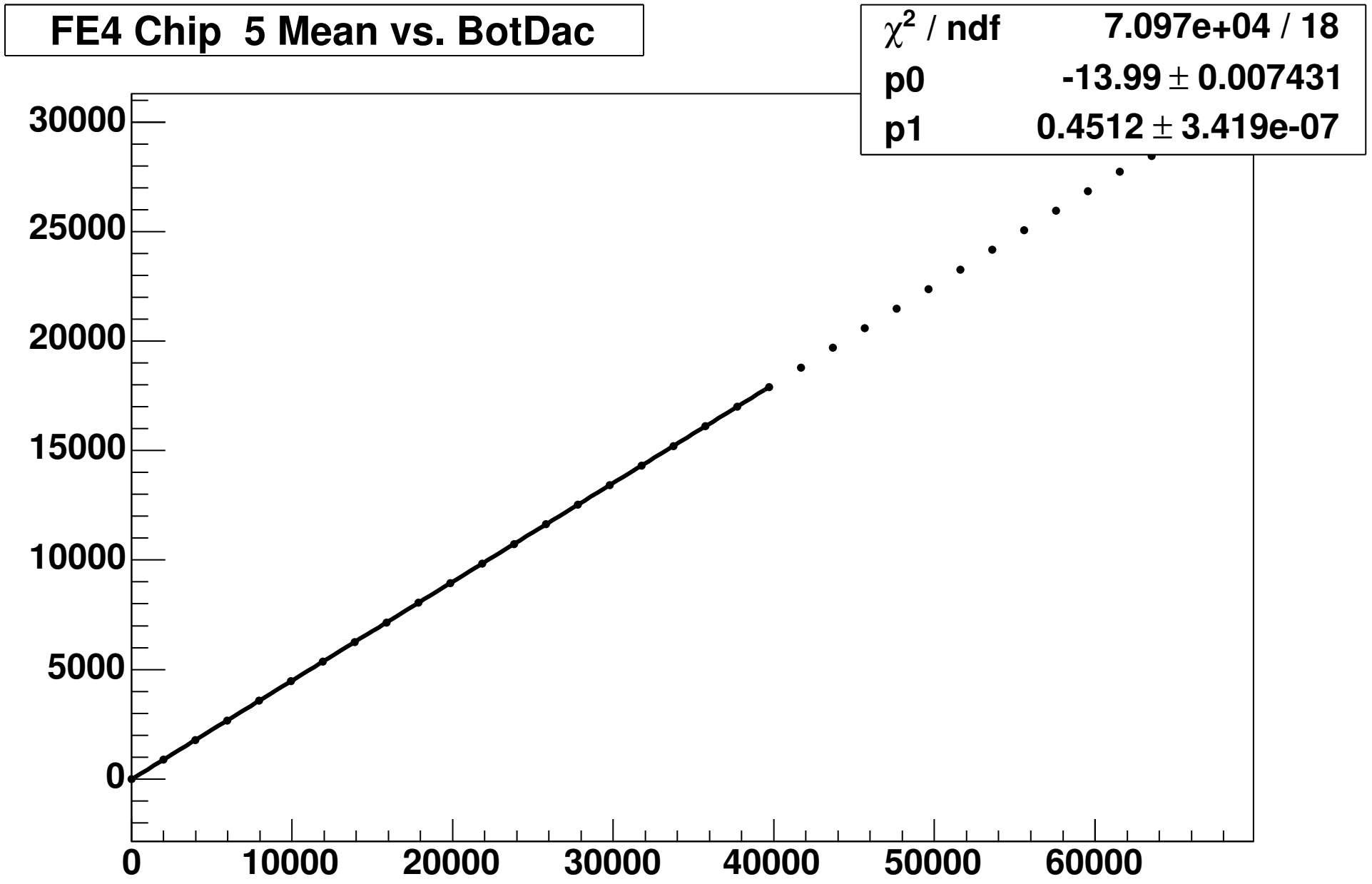
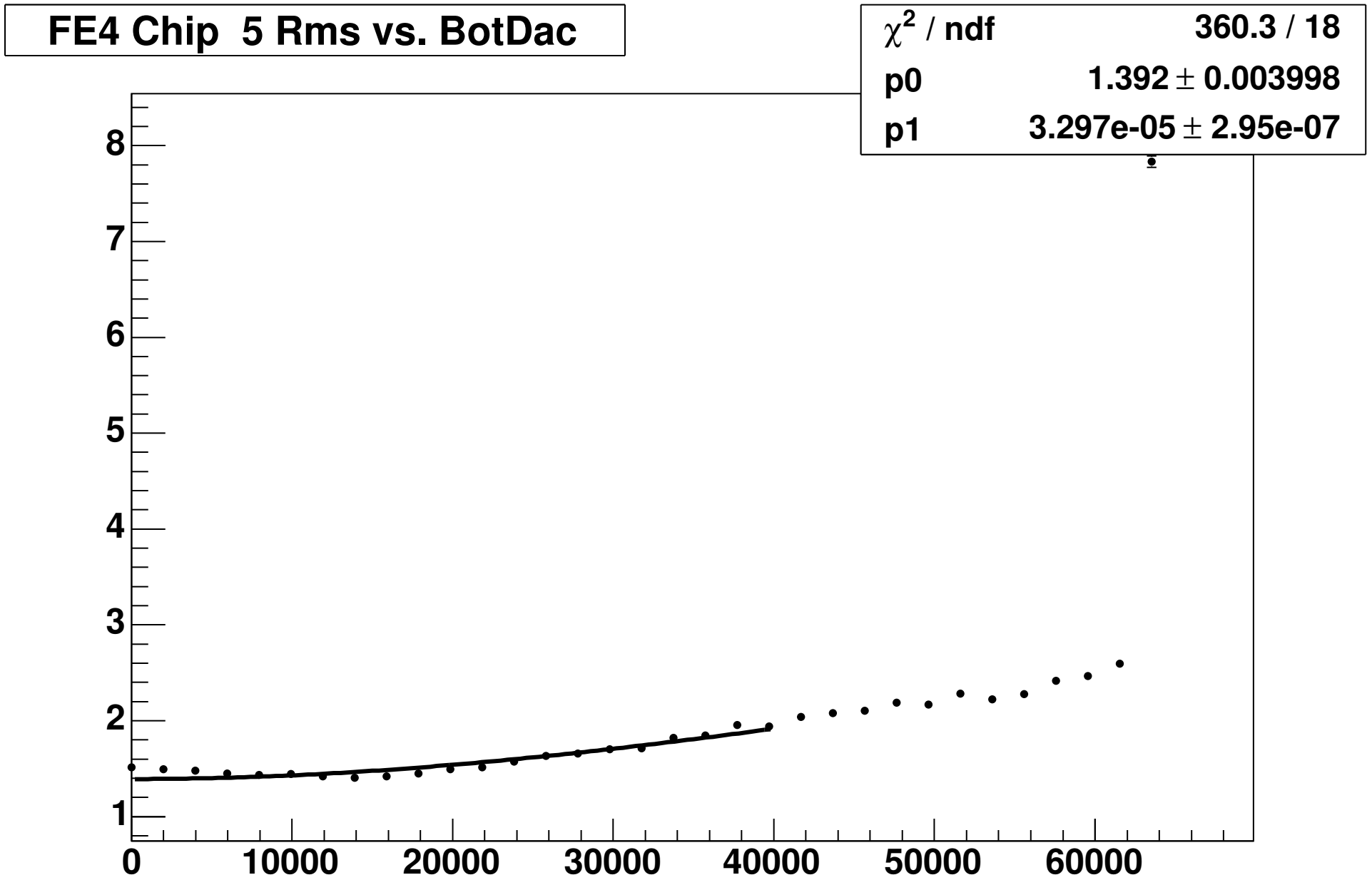
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

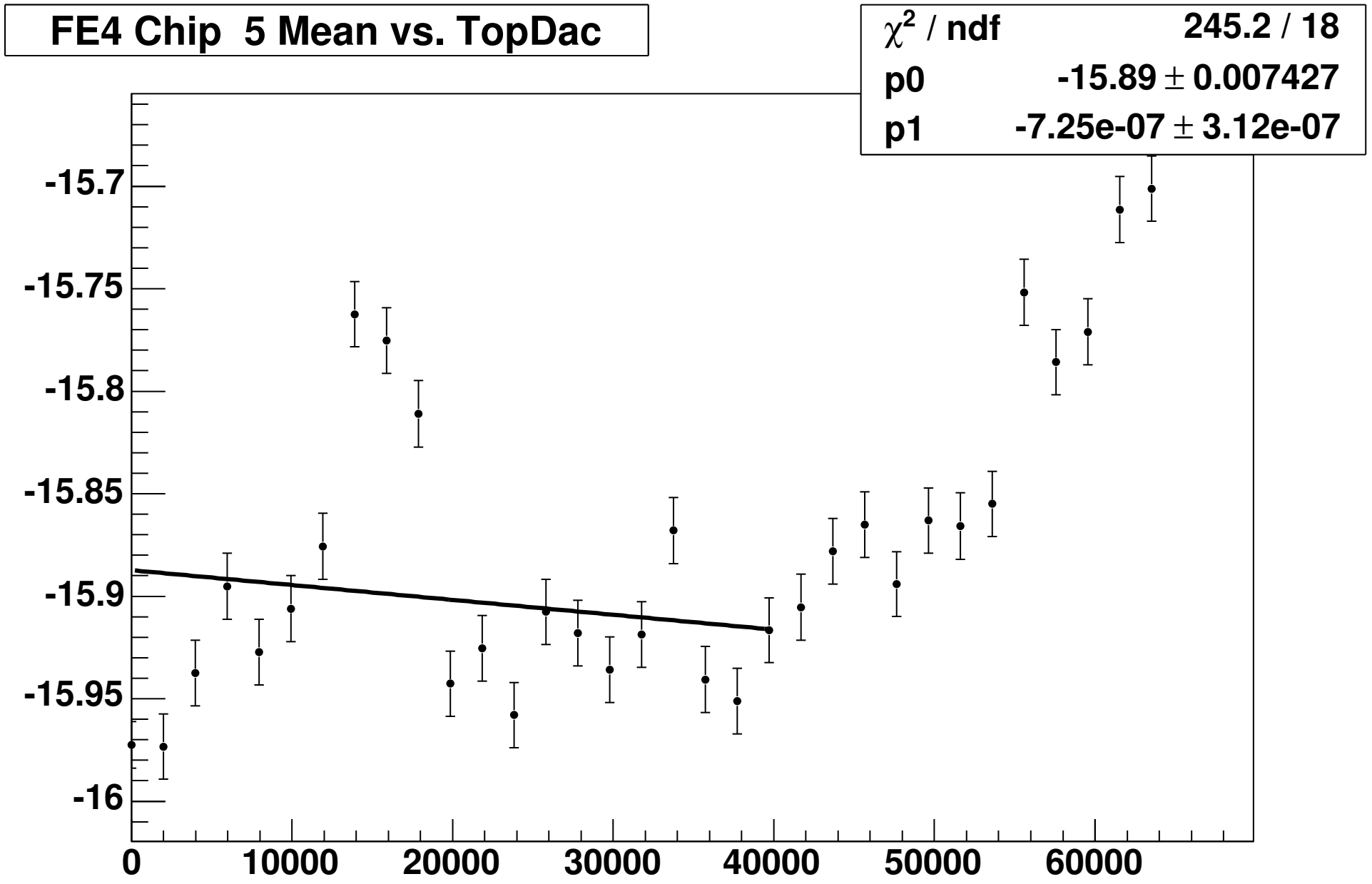

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 405.7 / 18
p0 1.367 ± 0.003975
p1 3.452e-05 ± 2.826e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

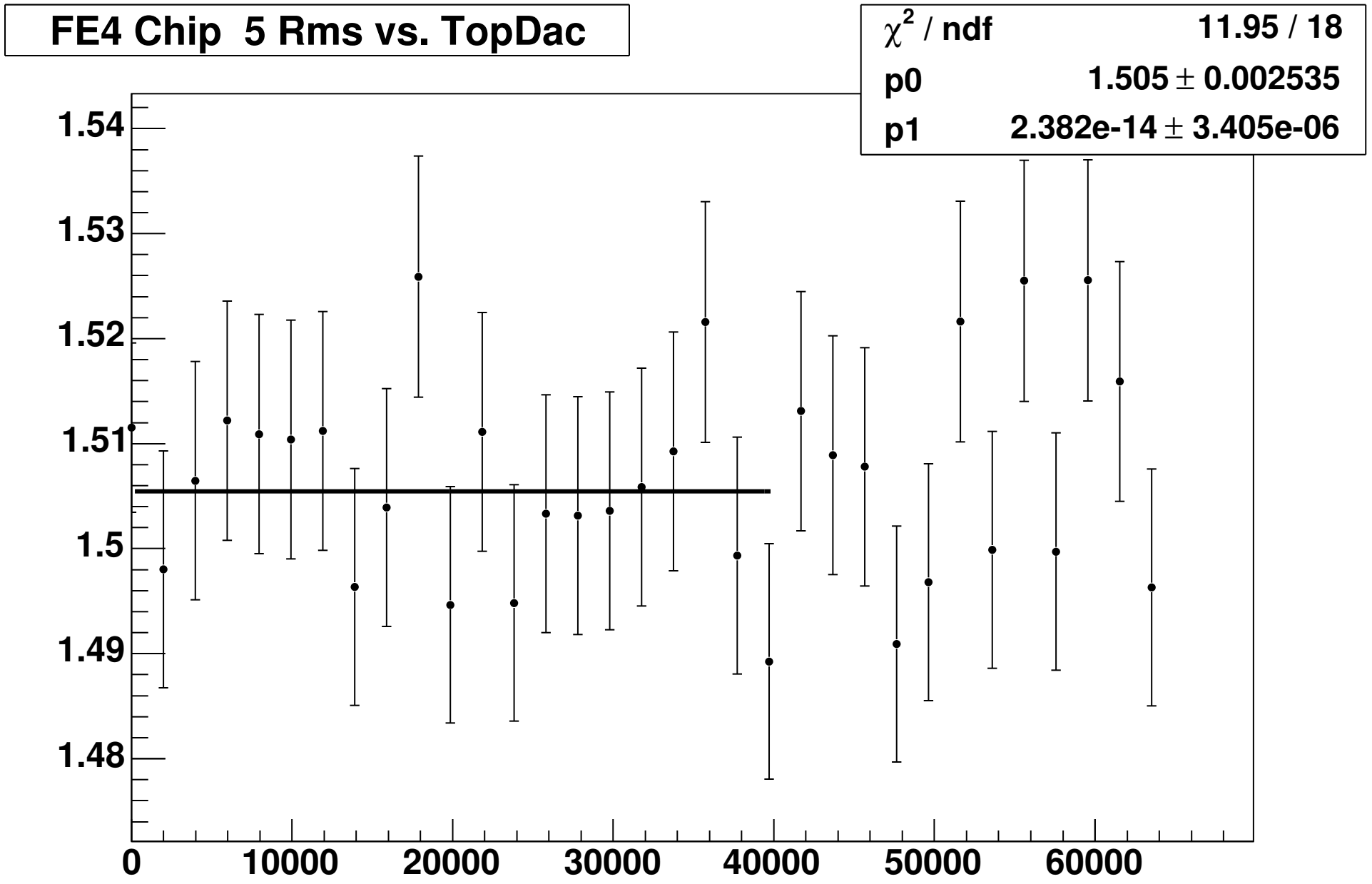

FE4 Chip 4 Mean vs. TopDac
χ^2 / ndf 219.4 / 18
p0 -11.27 ± 0.007264
p1 -6.627e-07 ± 3.051e-07
-11.05
-11.1
-11.15
-11.2
-11.25
-11.3
-11.35
-11.4
0
10000
20000
30000
40000
50000
60000

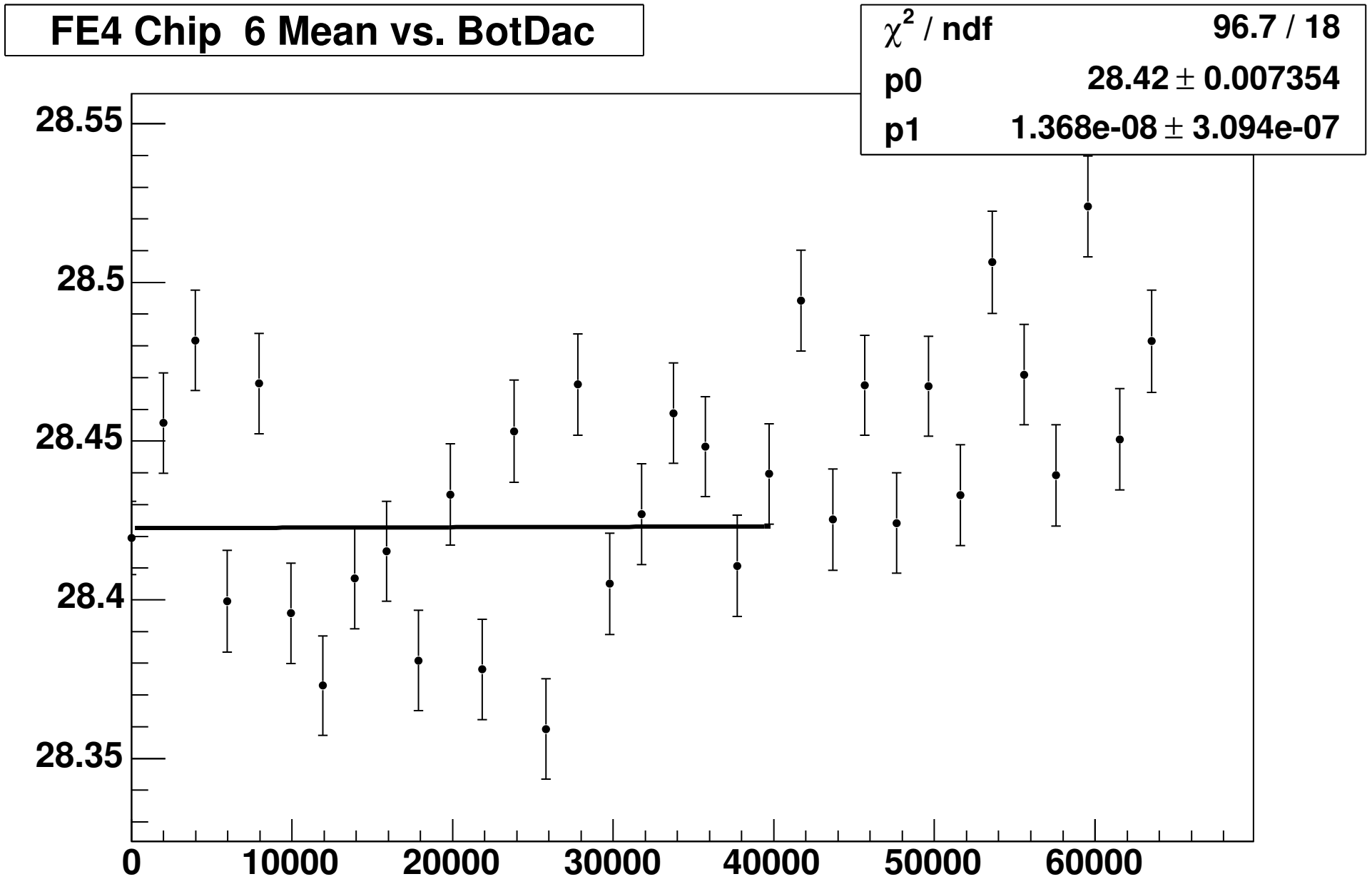

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 17.78 / 18
p0 1.47 ± 0.002476
p1 -2.732e-15 ± 2.771e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

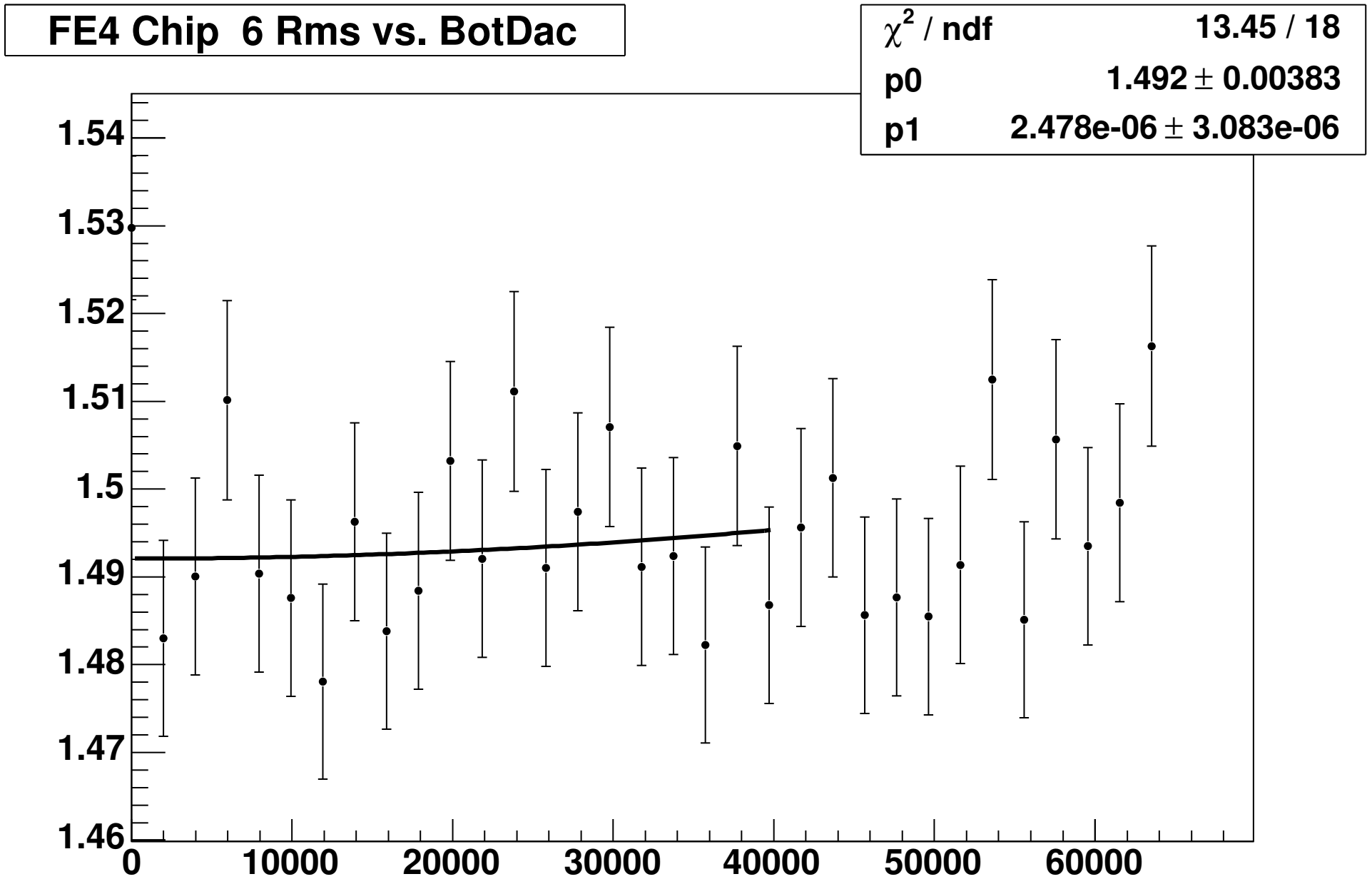

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 7.097e+04 / 18
p0 -13.99 ± 0.007431
p1 0.4512 ± 3.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

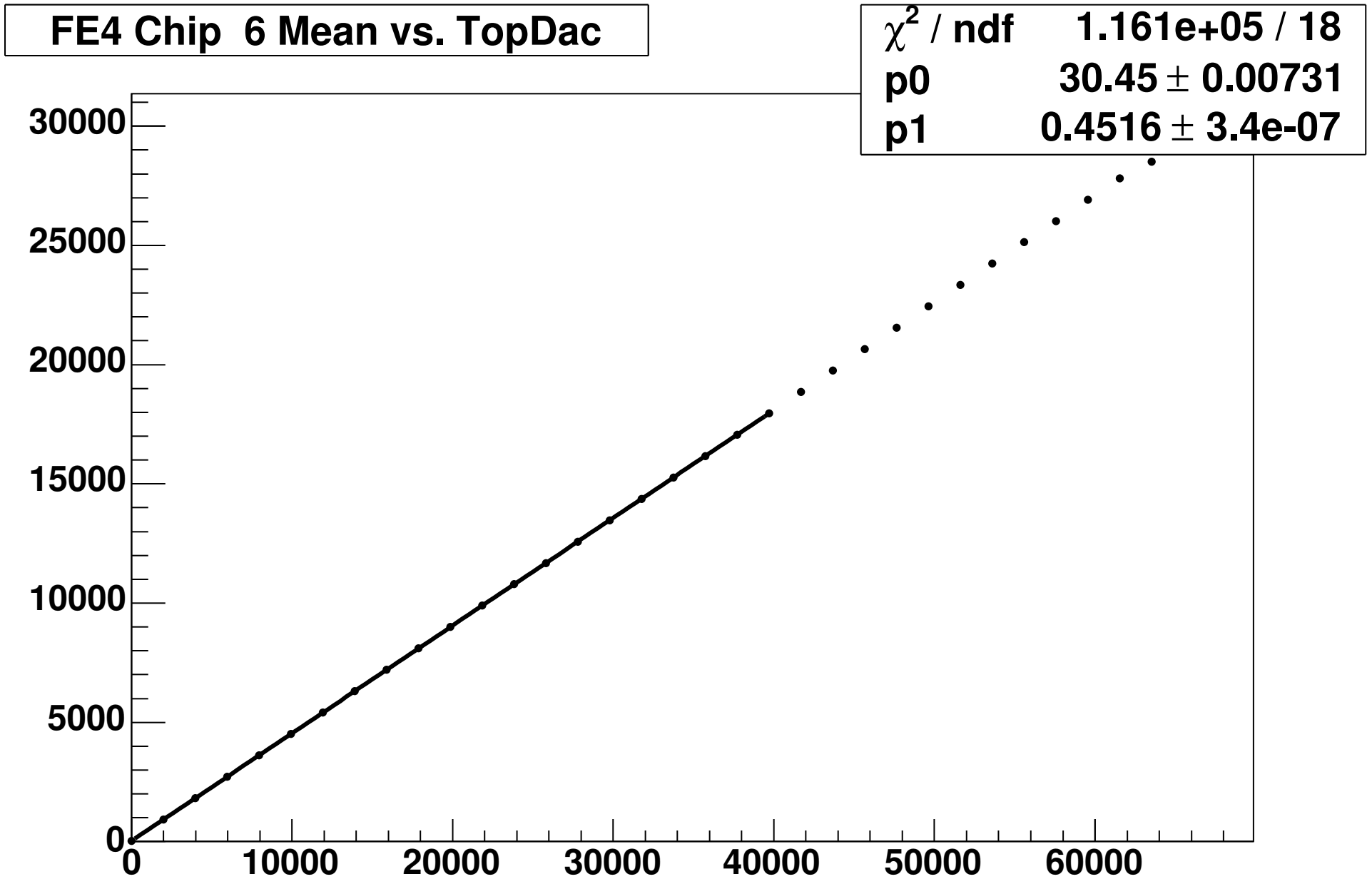

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 360.3 / 18
p0 1.392 ± 0.003998
p1 3.297e-05 ± 2.95e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

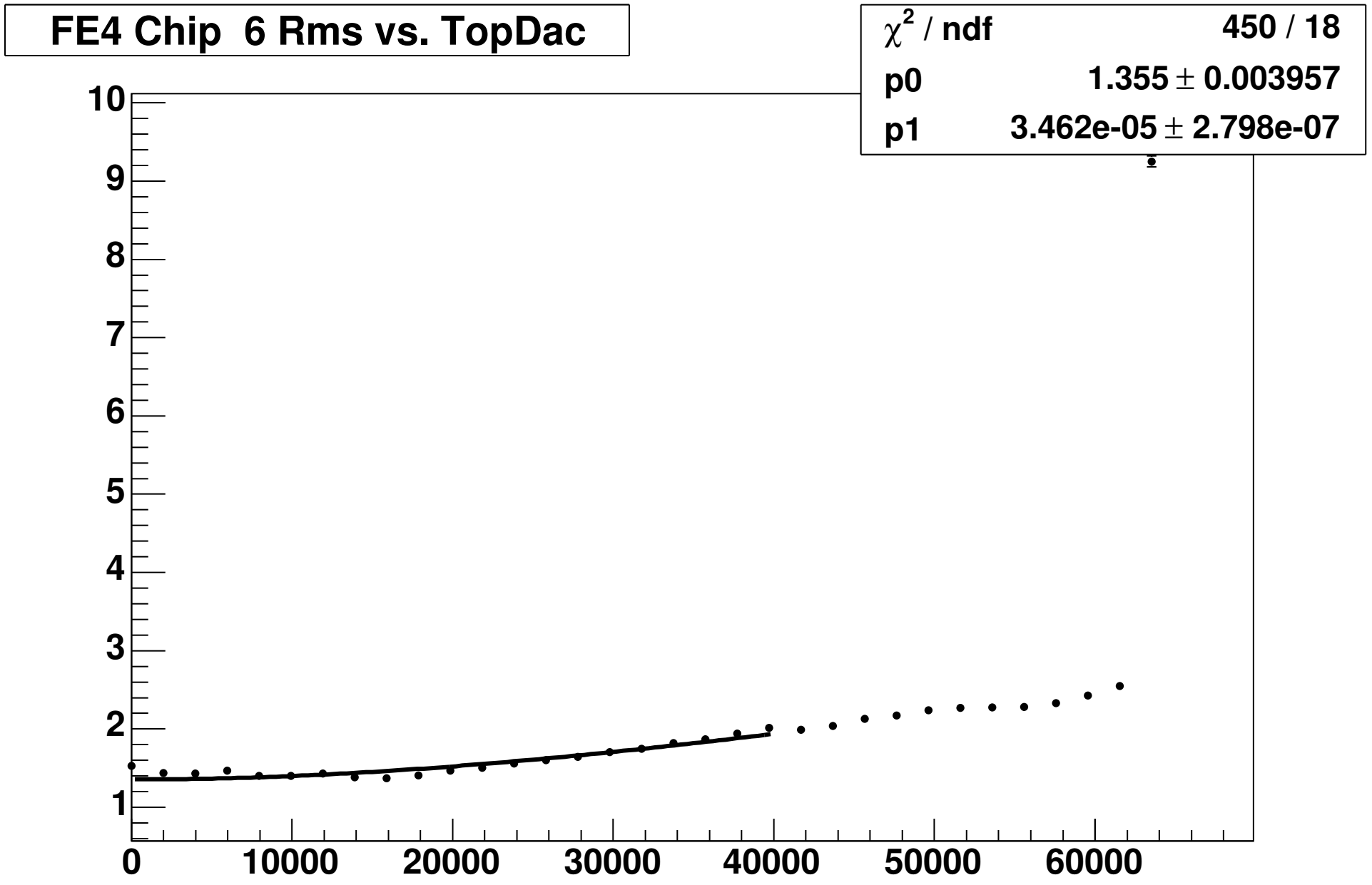

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 245.2 / 18
p0 -15.89 ± 0.007427
p1 -7.25e-07 ± 3.12e-07
-15.7
-15.75
-15.8
-15.85
-15.9
-15.95
-16
0
10000
20000
30000
40000
50000
60000

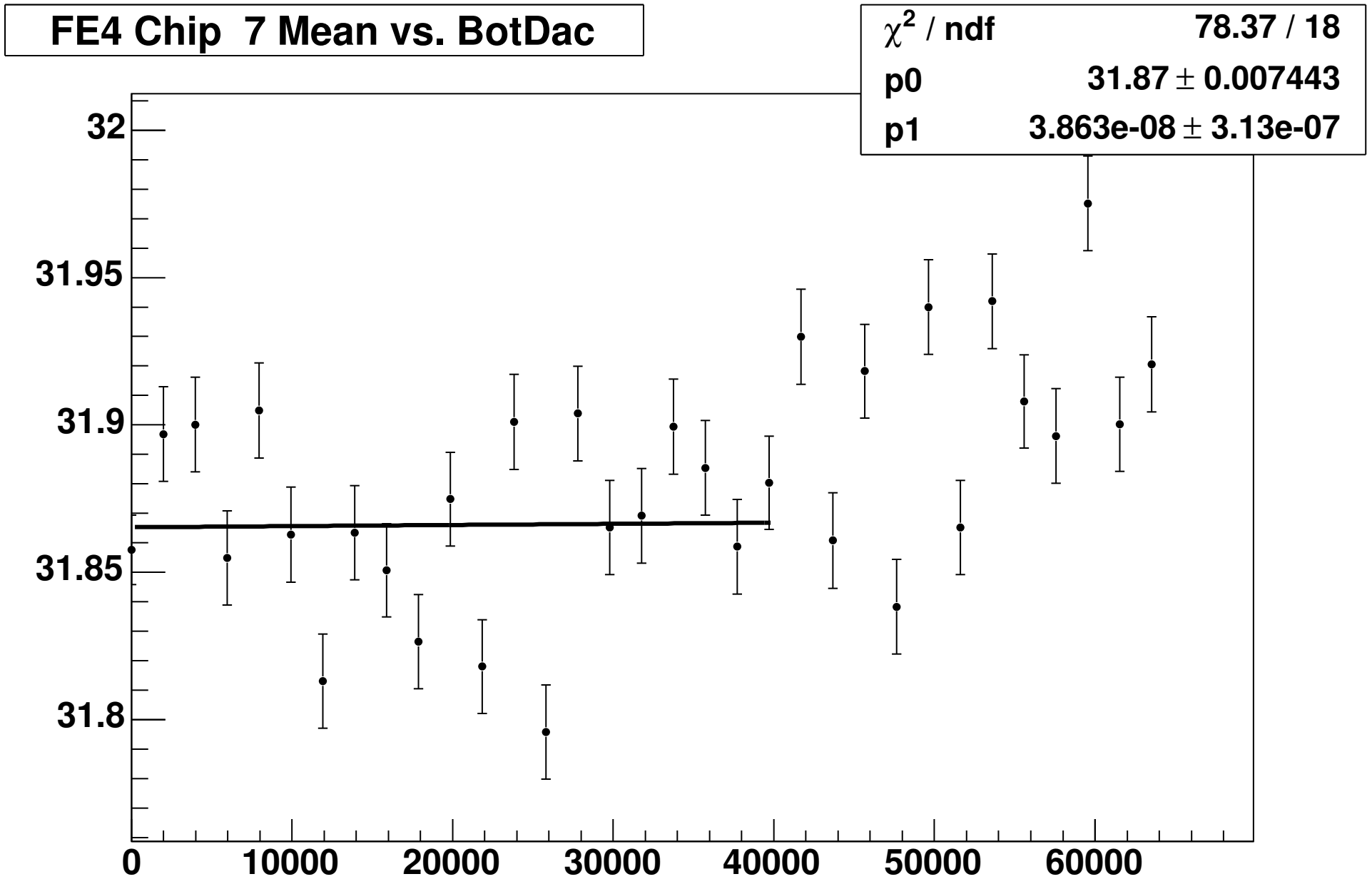

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 11.95 / 18
p0 1.505 ± 0.002535
p1 2.382e-14 ± 3.405e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

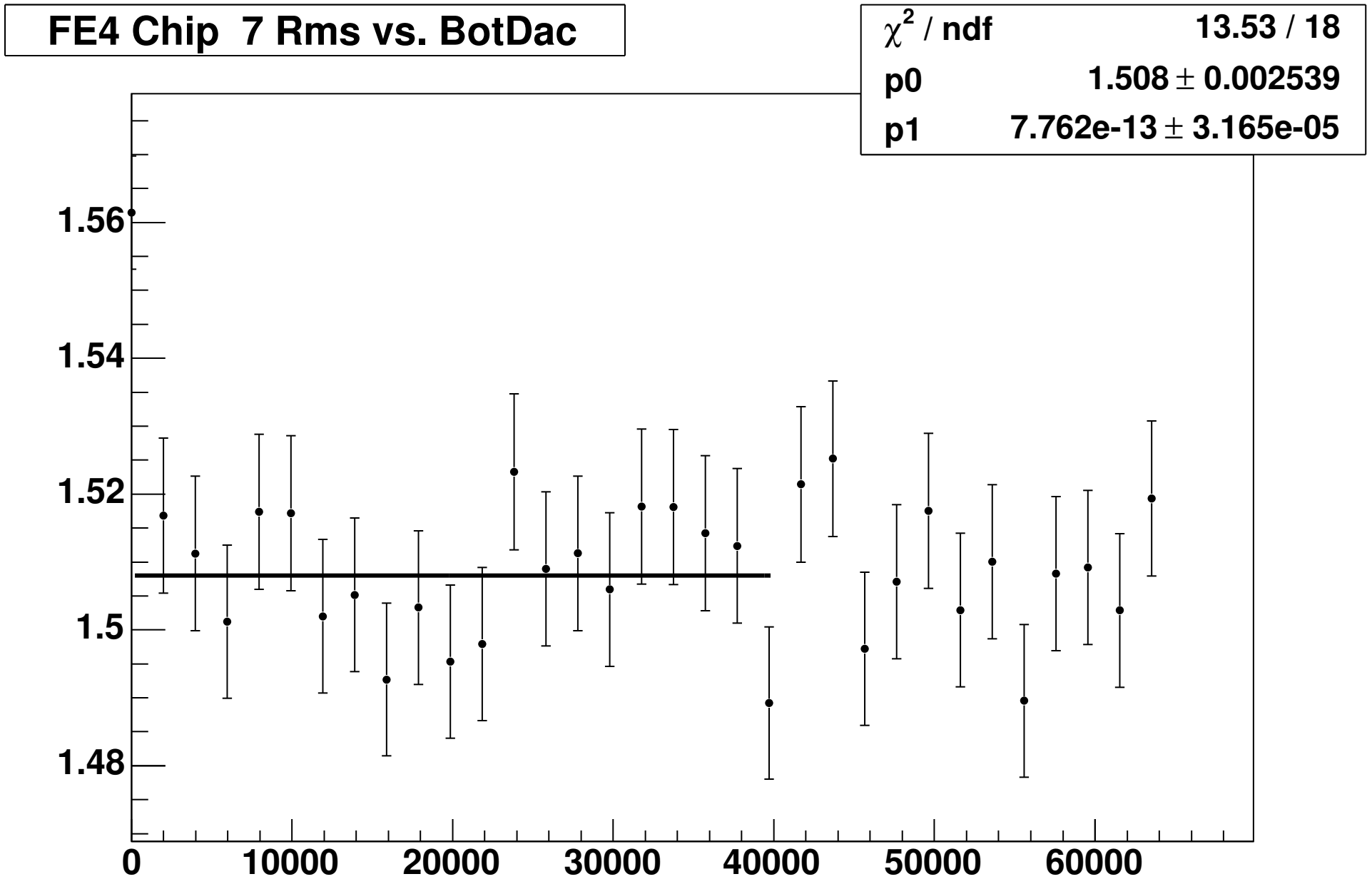

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 96.7 / 18
p0 28.42 ± 0.007354
p1 1.368e-08 ± 3.094e-07
28.55
28.5
28.45
28.4
28.35
0
10000
20000
30000
40000
50000
60000

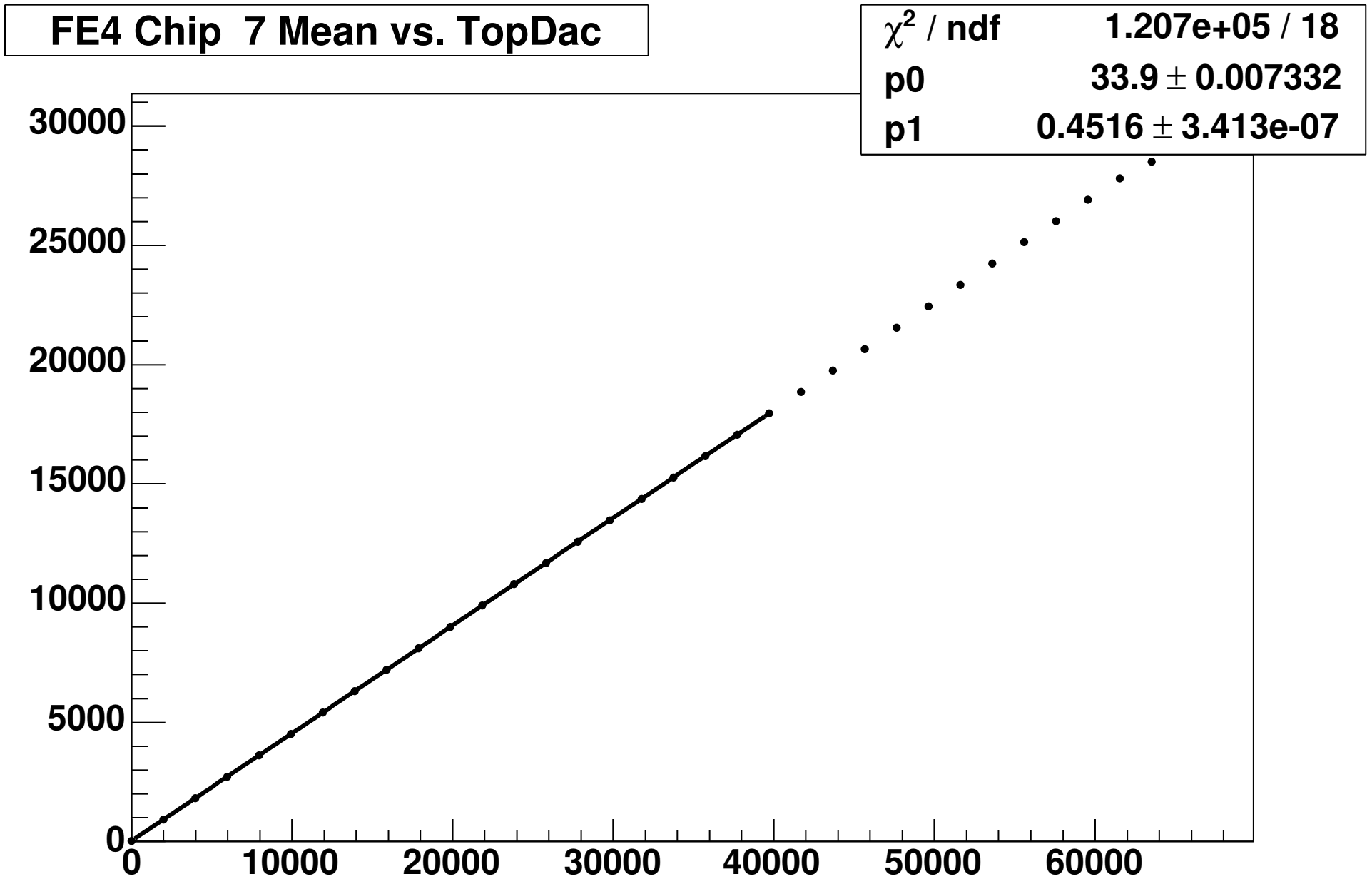

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 13.45 / 18
p0 1.492 ± 0.00383
p1 2.478e-06 ± 3.083e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

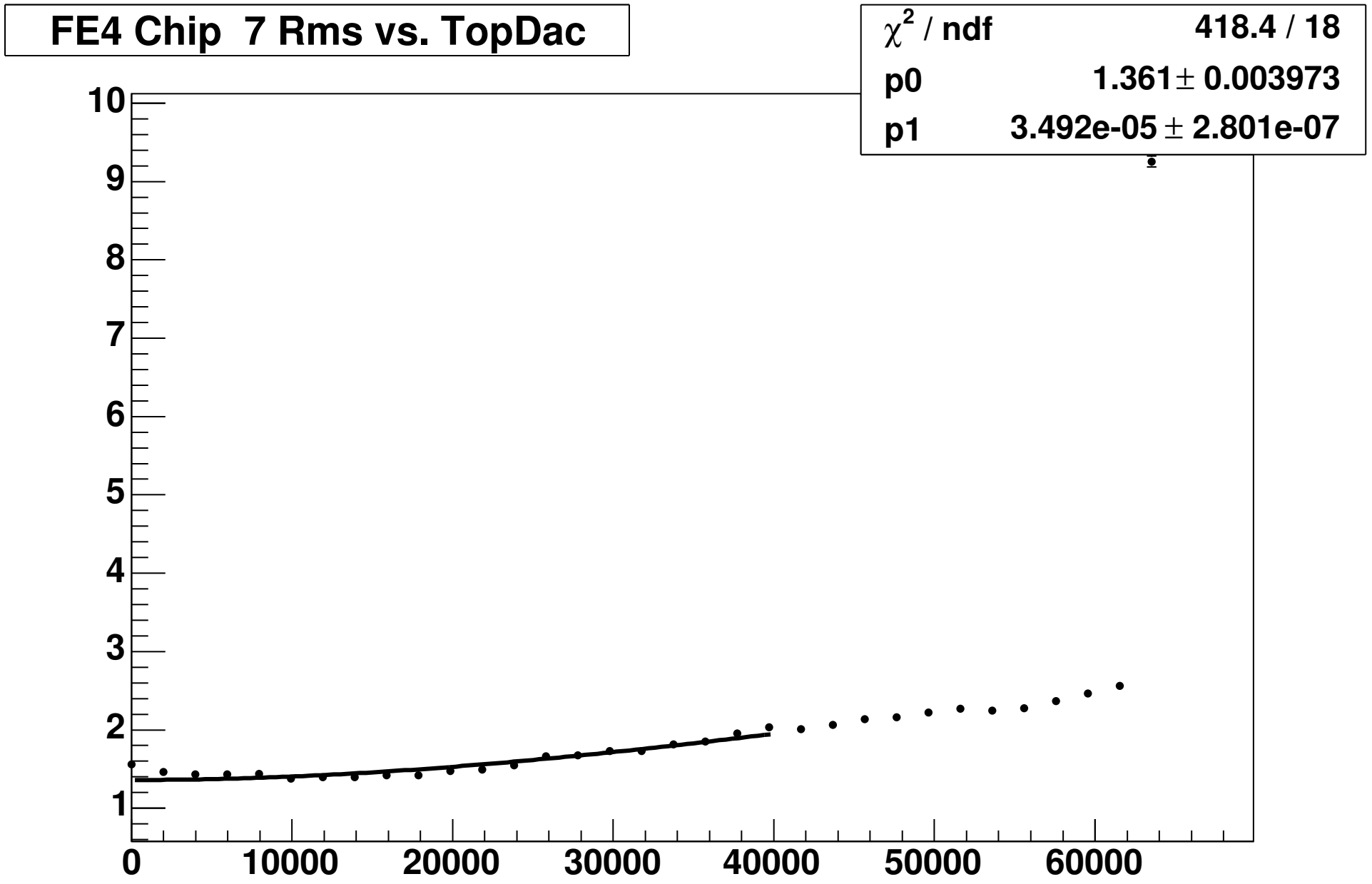

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.161e+05 / 18
p0 30.45 ± 0.00731
p1 0.4516 ± 3.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

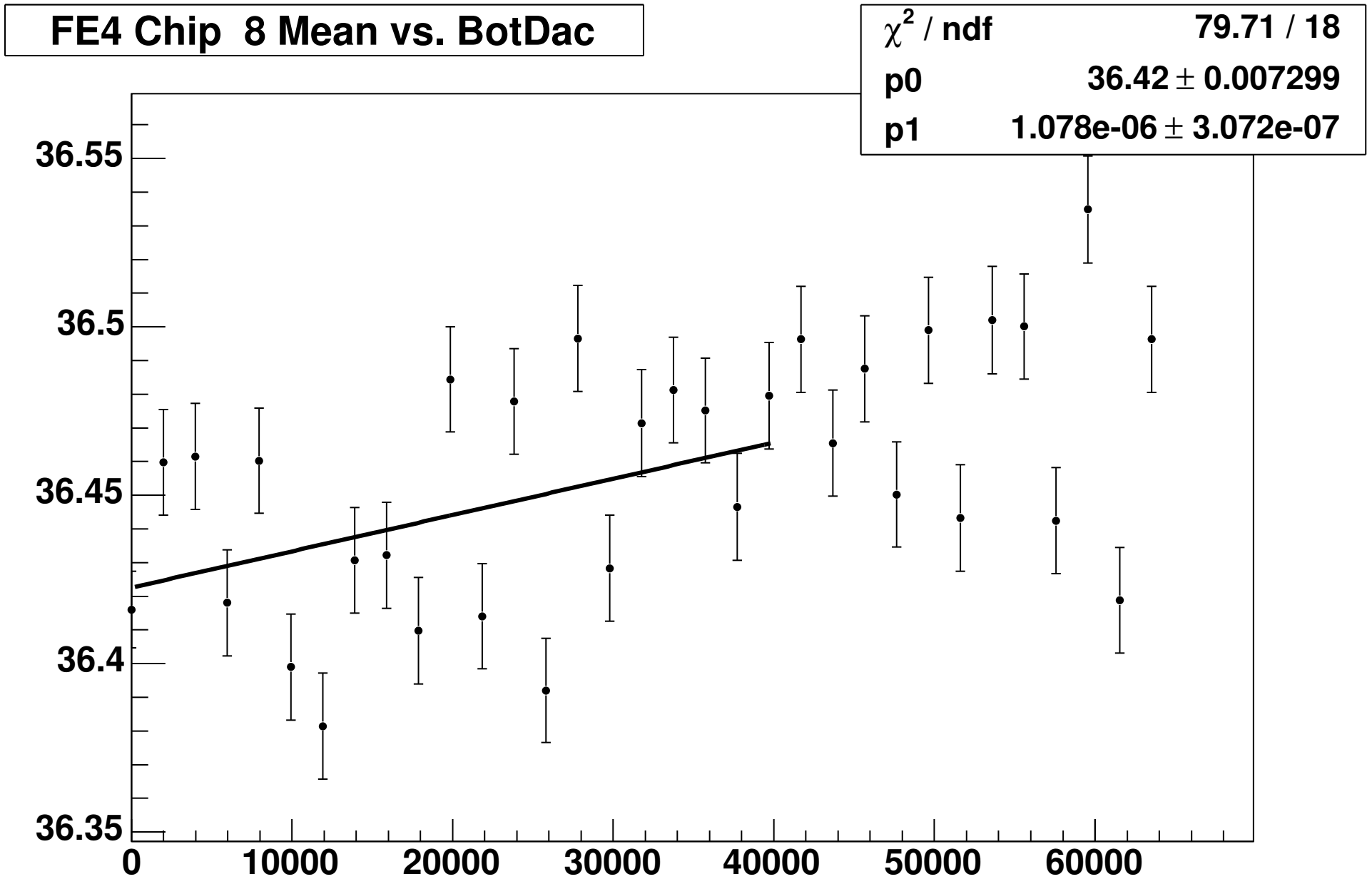

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 450 / 18
p0 1.355 ± 0.003957
p1 3.462e-05 ± 2.798e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

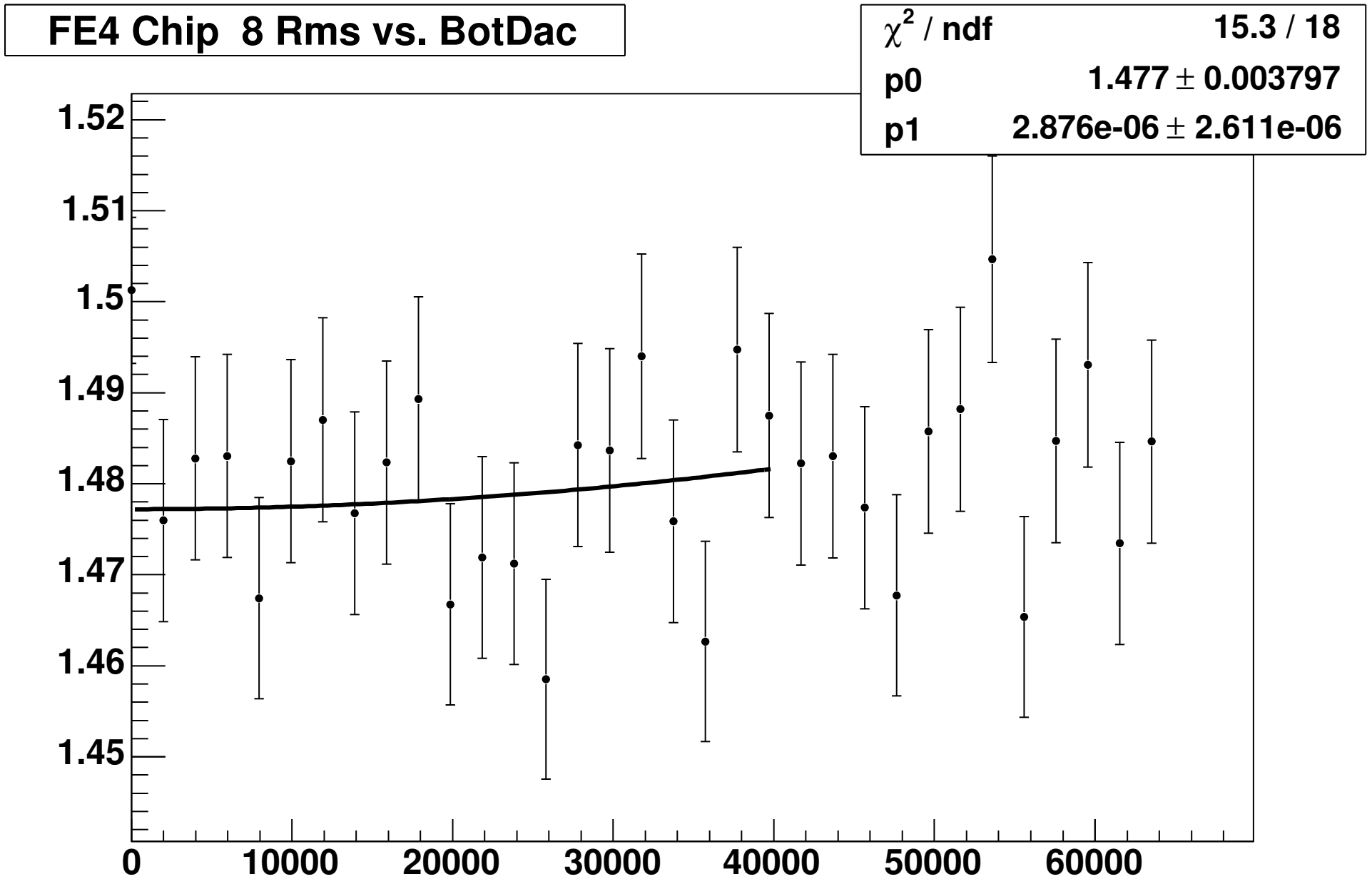

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 78.37 / 18
p0 31.87 ± 0.007443
p1 3.863e-08 ± 3.13e-07
32
31.95
31.9
31.85
31.8
0
10000
20000
30000
40000
50000
60000

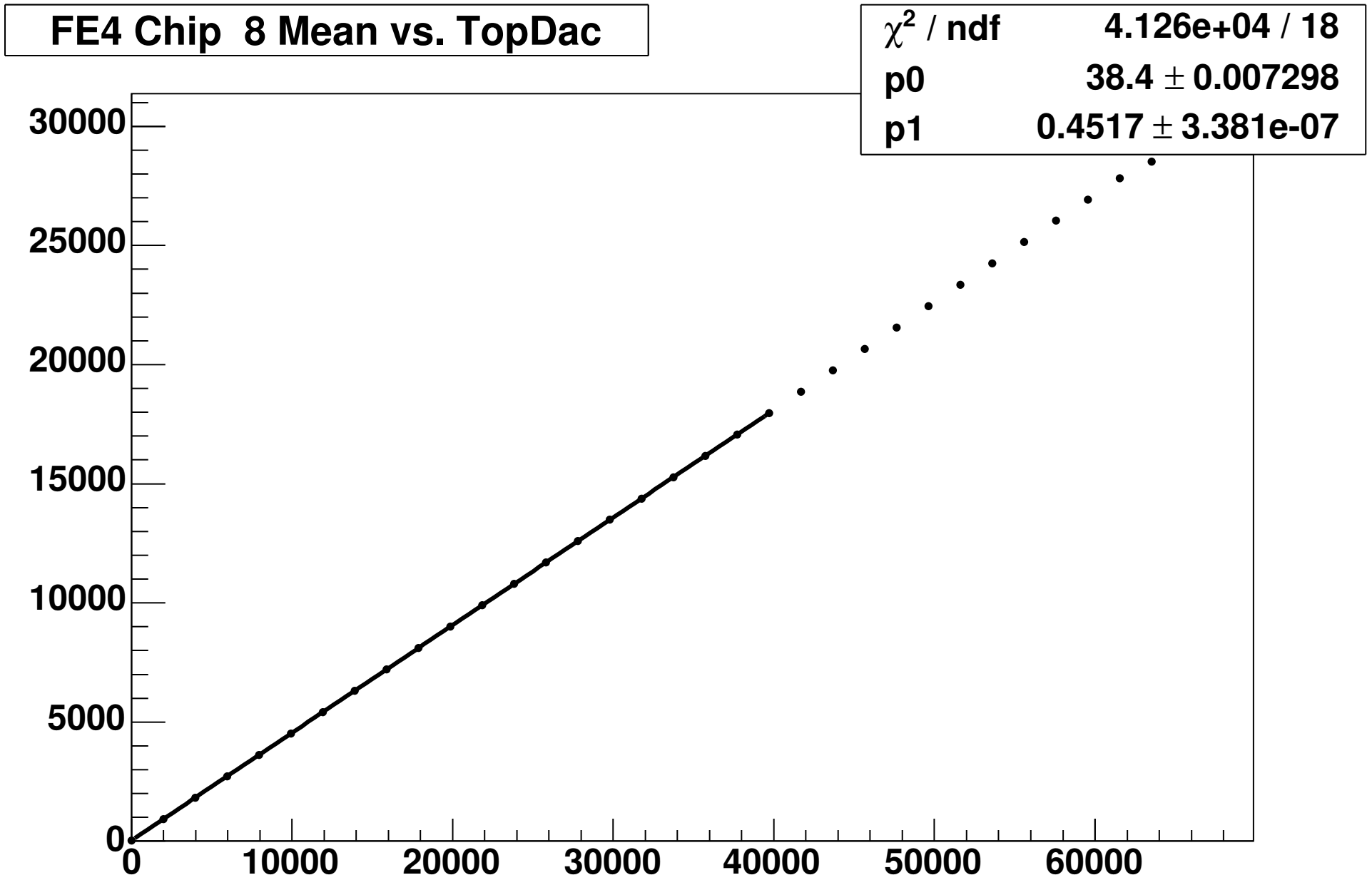

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 13.53 / 18
p0 1.508 ± 0.002539
p1 7.762e-13 ± 3.165e-05
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

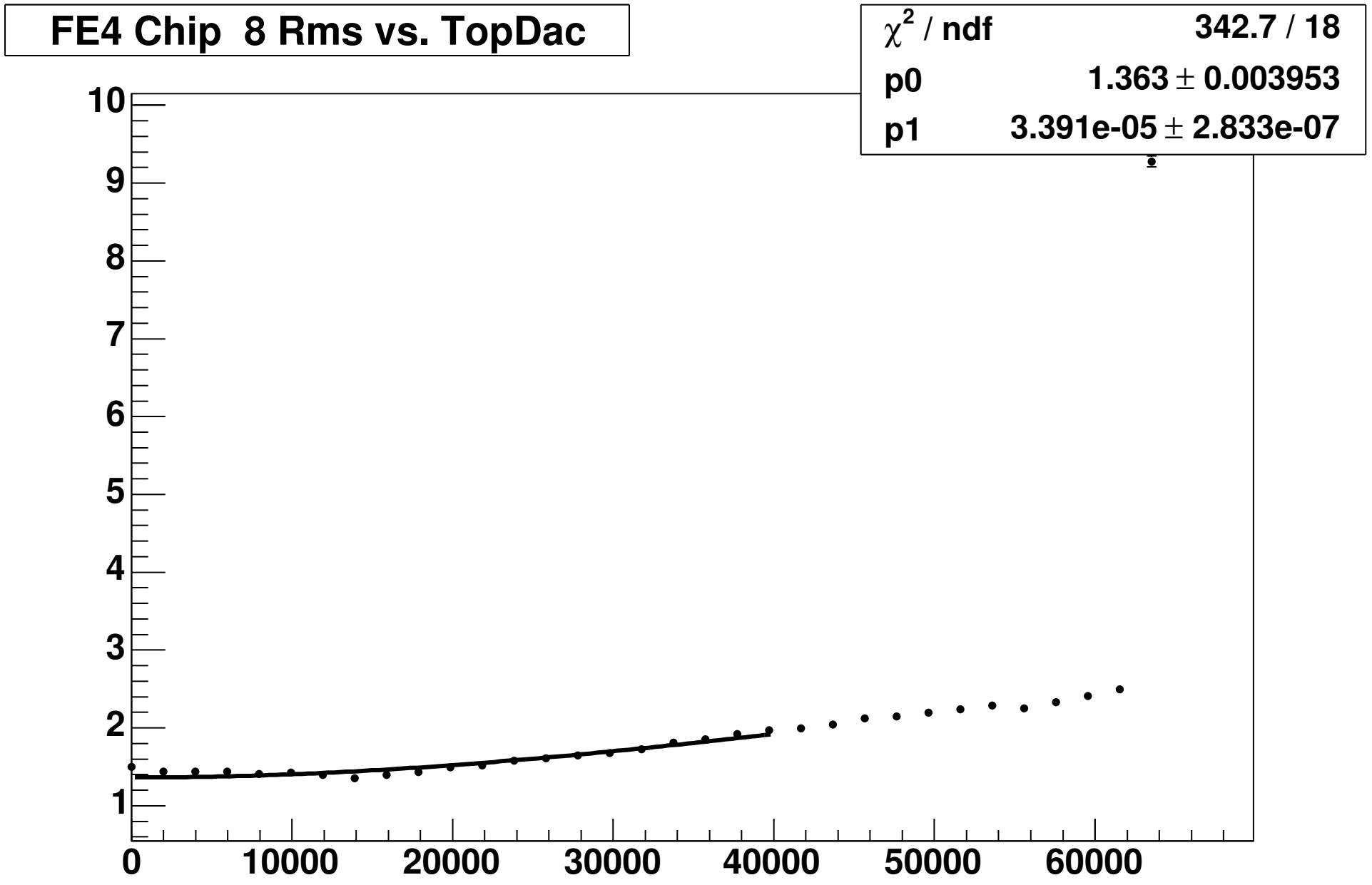

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.207e+05 / 18
p0 33.9 ± 0.007332
p1 0.4516 ± 3.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

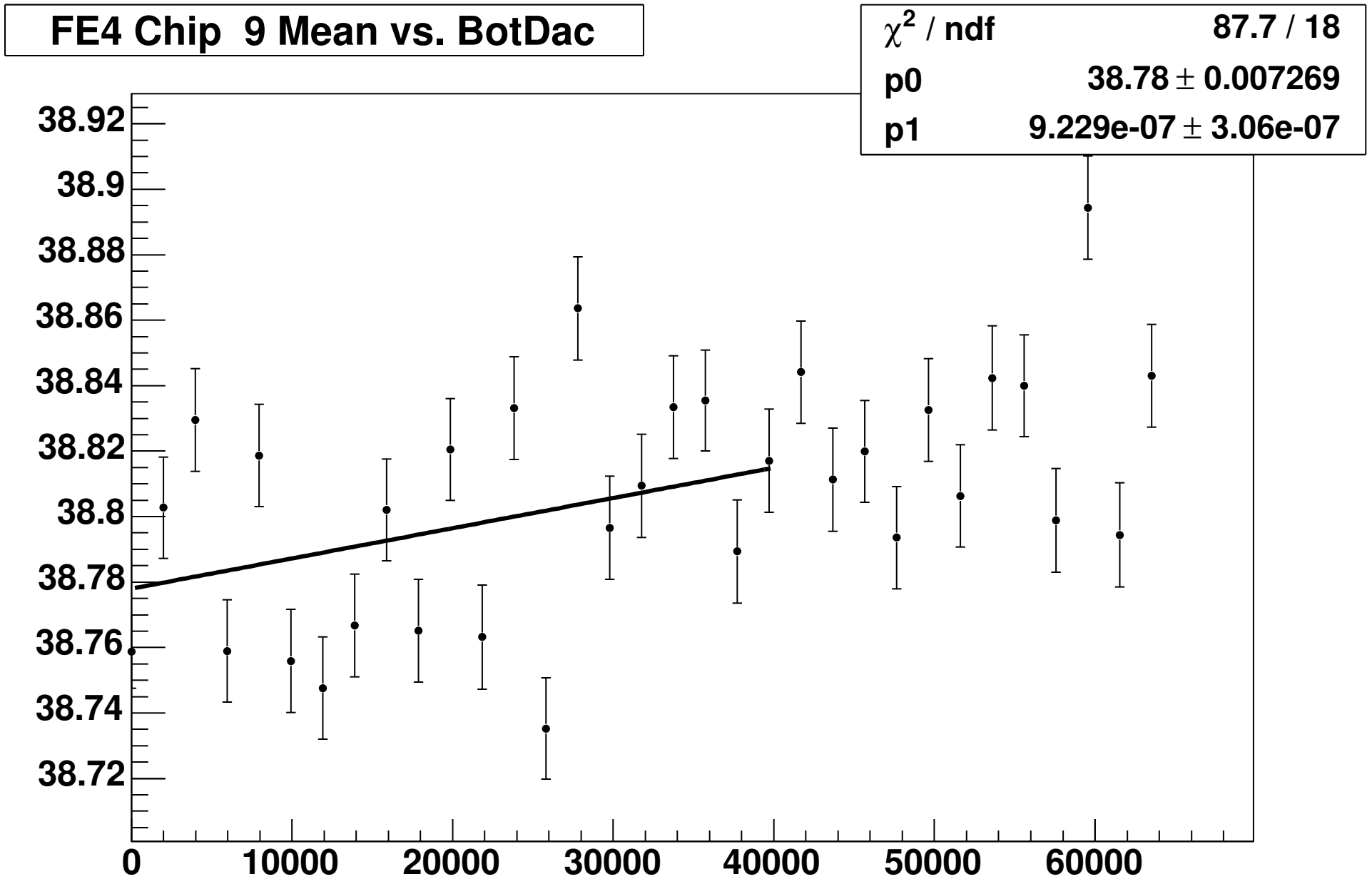

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 418.4 / 18
p0 1.361 ± 0.003973
p1 3.492e-05 ± 2.801e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

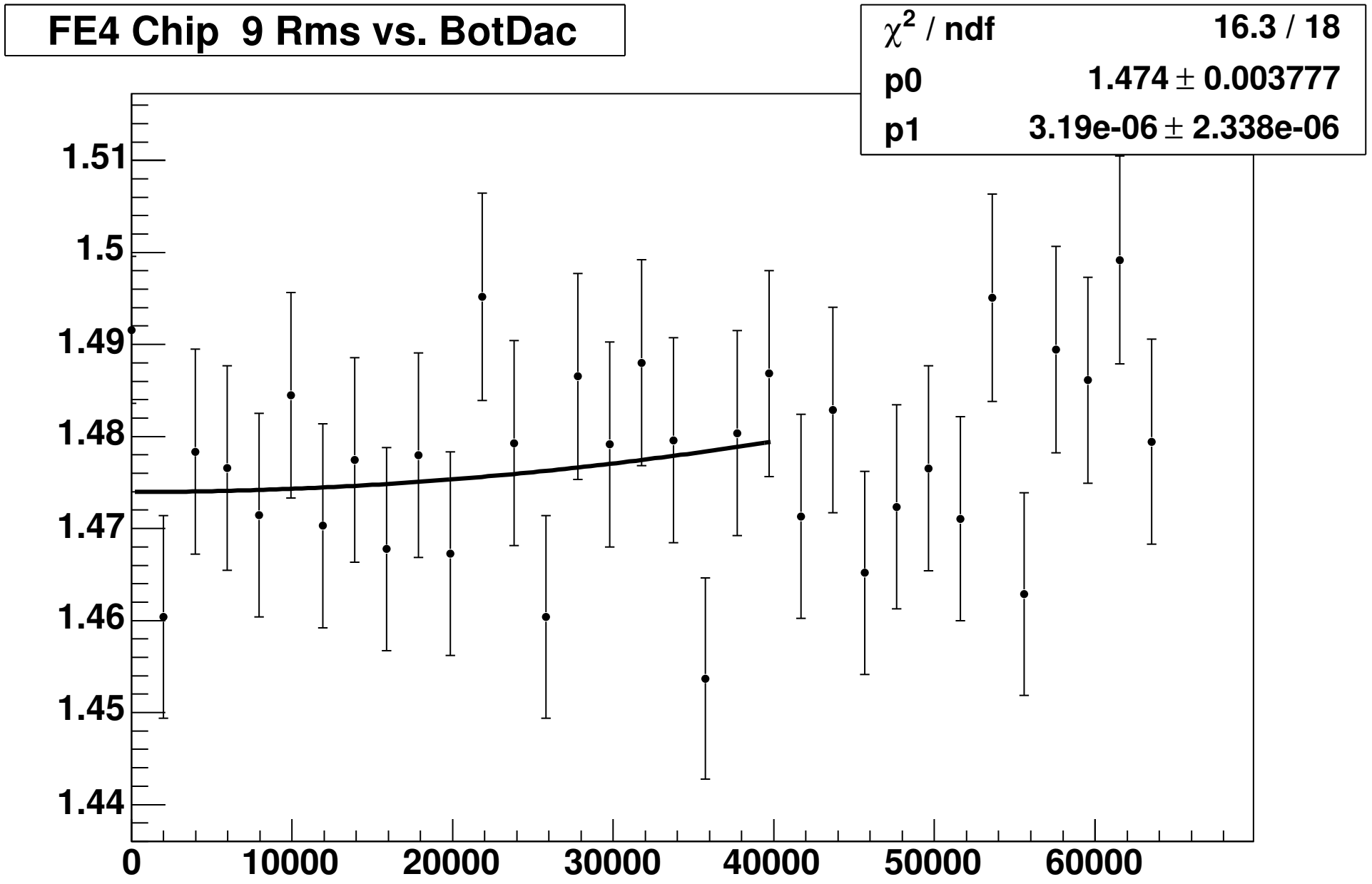

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 79.71 / 18
p0 36.42 ± 0.007299
p1 1.078e-06 ± 3.072e-07
36.55
36.5
36.45
36.4
36.35
0
10000
20000
30000
40000
50000
60000

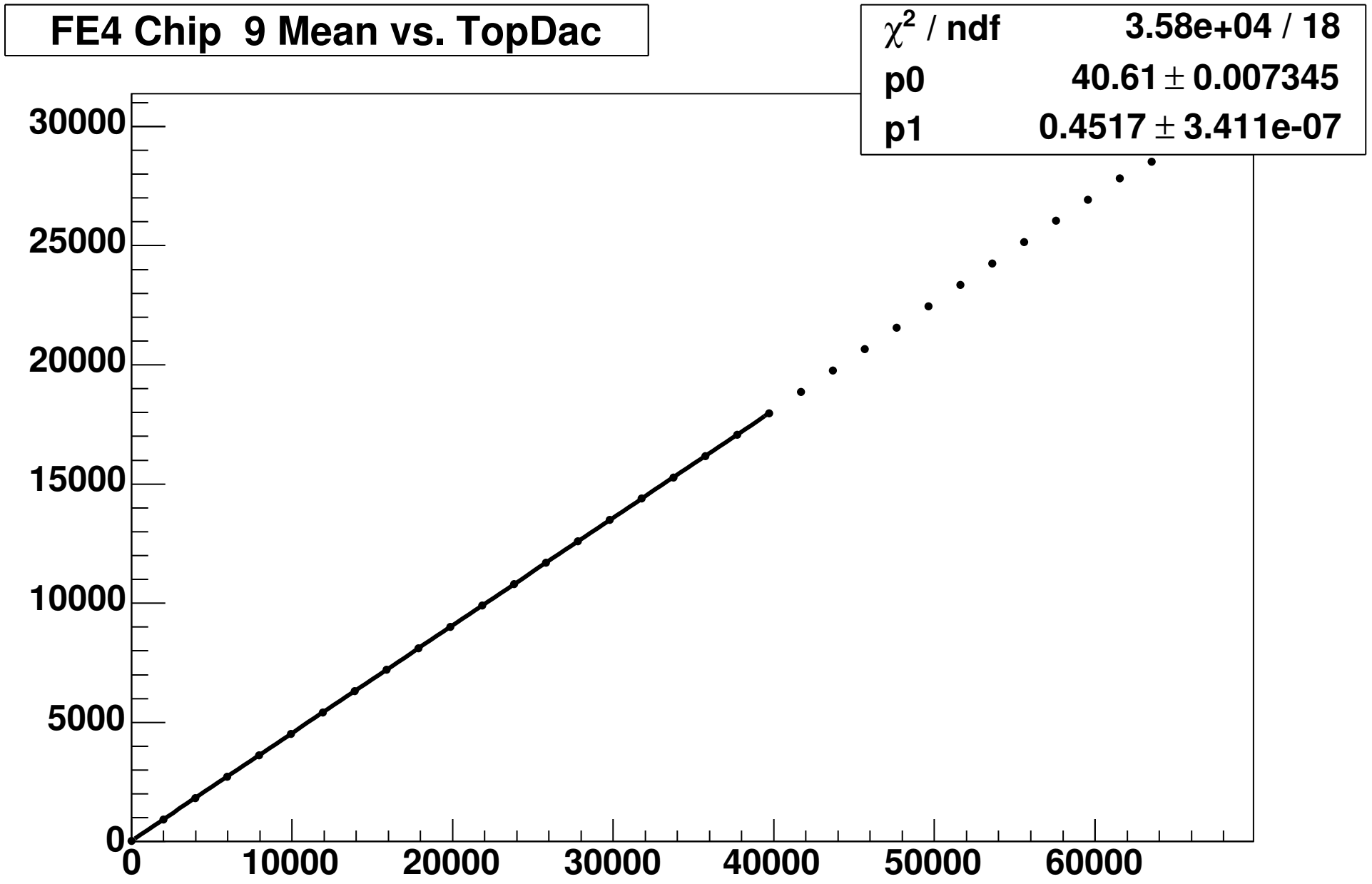

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 15.3 / 18
p0 1.477 ± 0.003797
p1 2.876e-06 ± 2.611e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

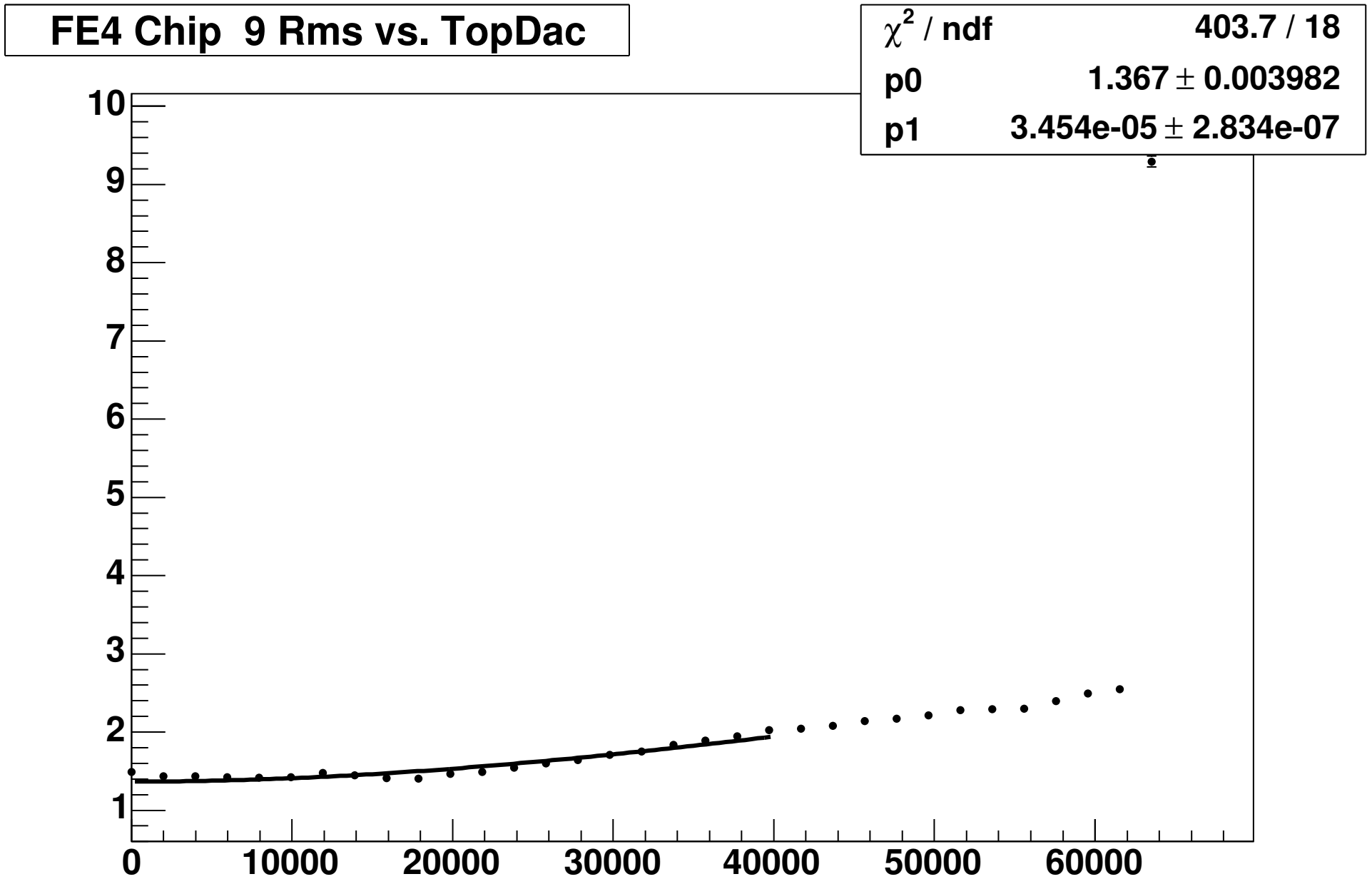

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 4.126e+04 / 18
p0 38.4 ± 0.007298
p1 0.4517 ± 3.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

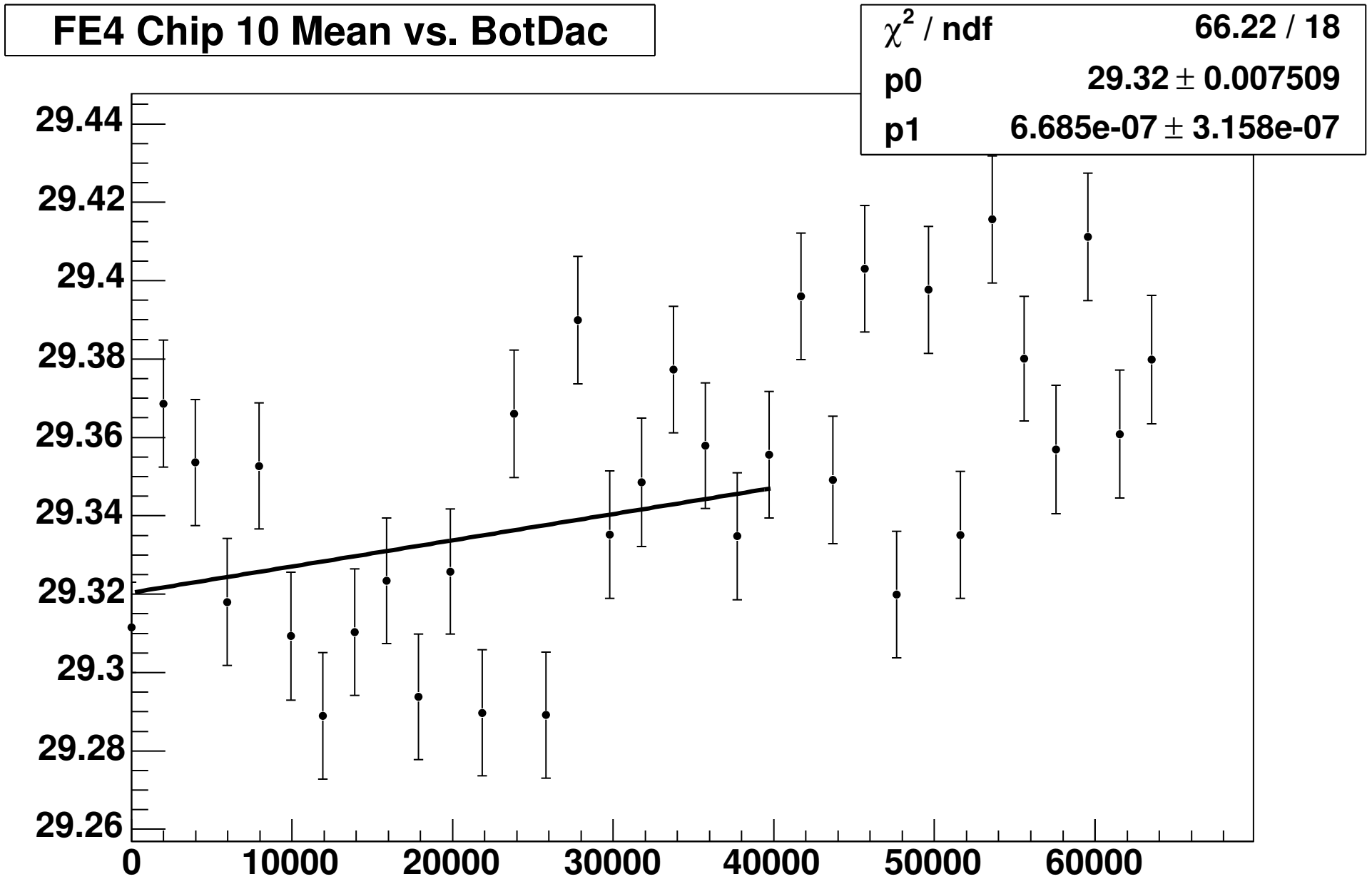

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 342.7 / 18
p0 1.363 ± 0.003953
p1 3.391e-05 ± 2.833e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 87.7 / 18
p0 38.78 ± 0.007269
p1 9.229e-07 ± 3.06e-07
38.92
38.9
38.88
38.86
38.84
38.82
38.8
38.78
38.76
38.74
38.72
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 16.3 / 18
p0 1.474 ± 0.003777
p1 3.19e-06 ± 2.338e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 3.58e+04 / 18
p0 40.61 ± 0.007345
p1 0.4517 ± 3.411e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 403.7 / 18
p0 1.367 ± 0.003982
p1 3.454e-05 ± 2.834e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 66.22 / 18
p0 29.32 ± 0.007509
p1 6.685e-07 ± 3.158e-07
29.44
29.42
29.4
29.38
29.36
29.34
29.32
29.3
29.28
29.26
0
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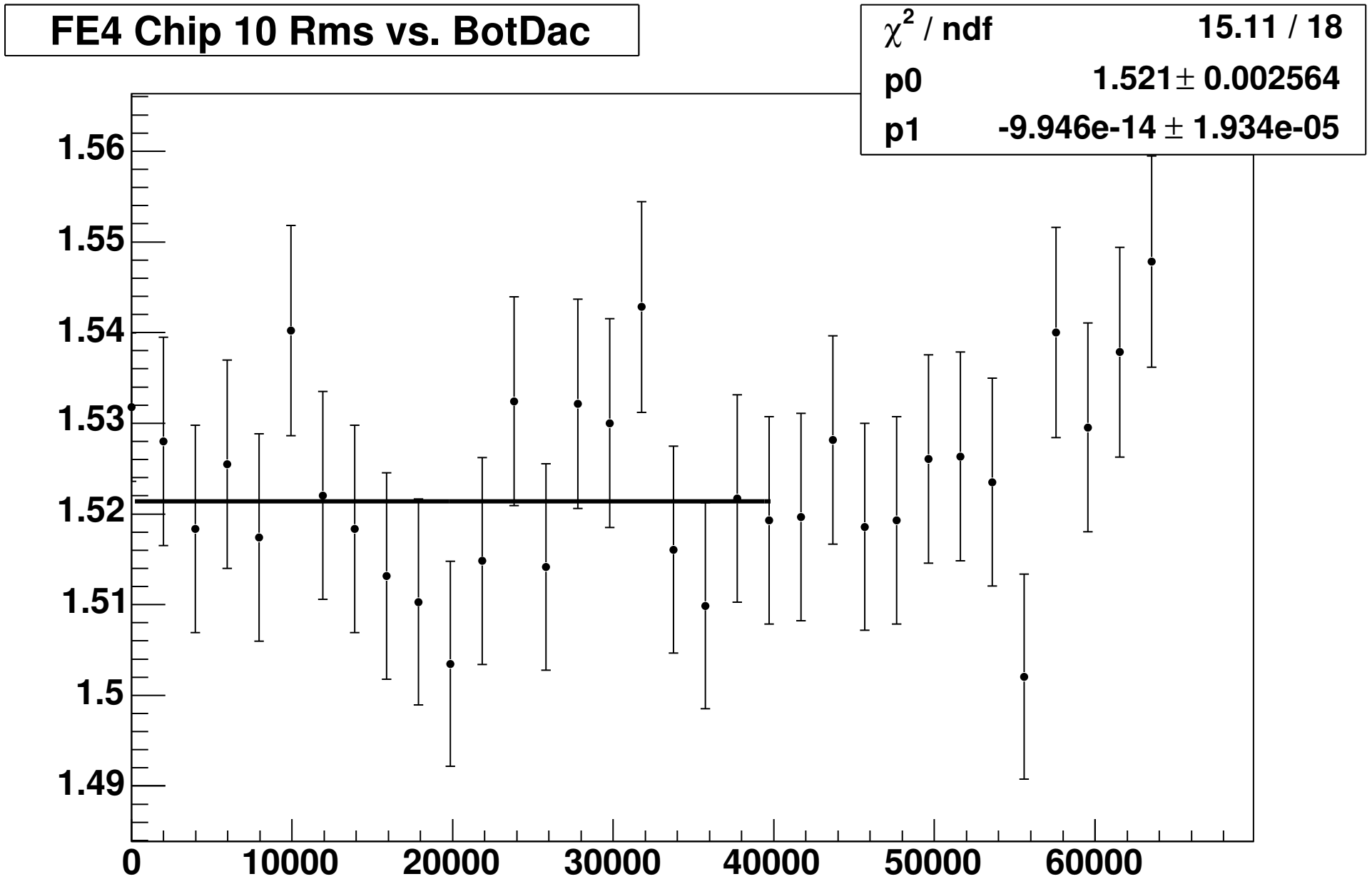
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 15.11 / 18
p0 1.521 ± 0.002564
p1 -9.946e-14 ± 1.934e-05
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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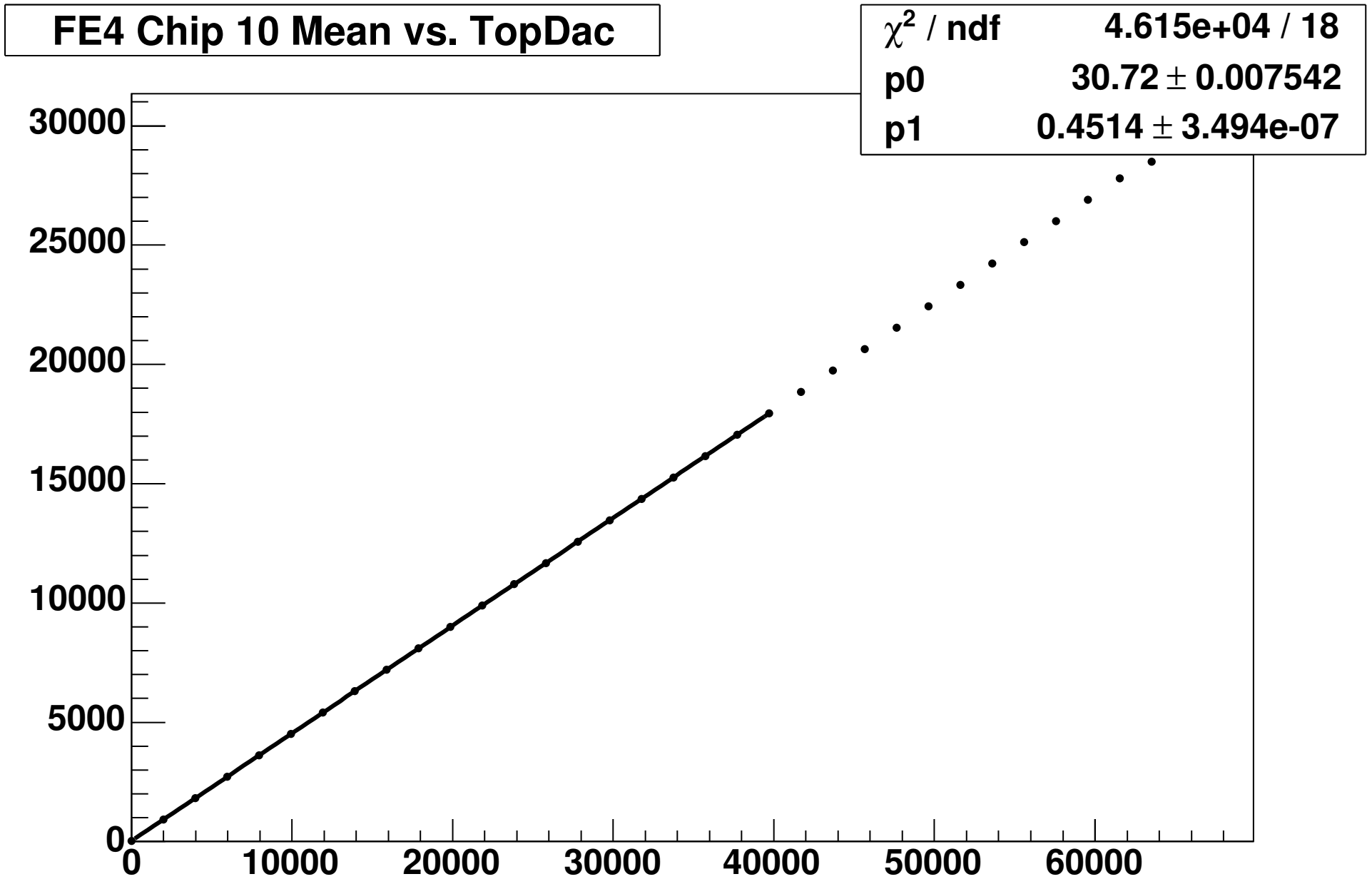
60000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 4.615e+04 / 18
p0 30.72 ± 0.007542
p1 0.4514 ± 3.494e-07
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15000
10000
5000
0
0
10000
20000
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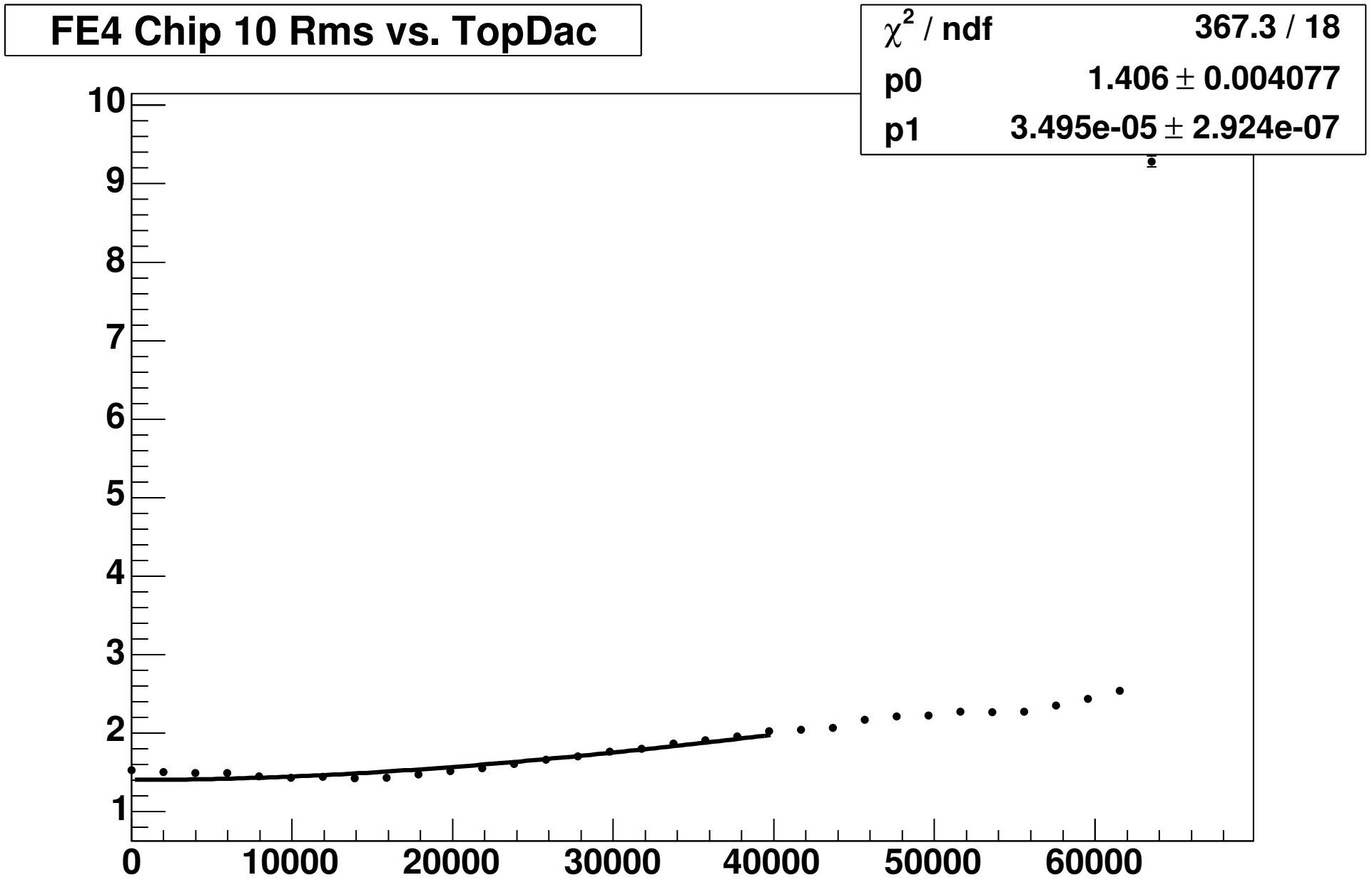
40000
50000
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 367.3 / 18
p0 1.406 ± 0.004077
p1 3.495e-05 ± 2.924e-07
10
9
8
7
6
5
4
3
2
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0
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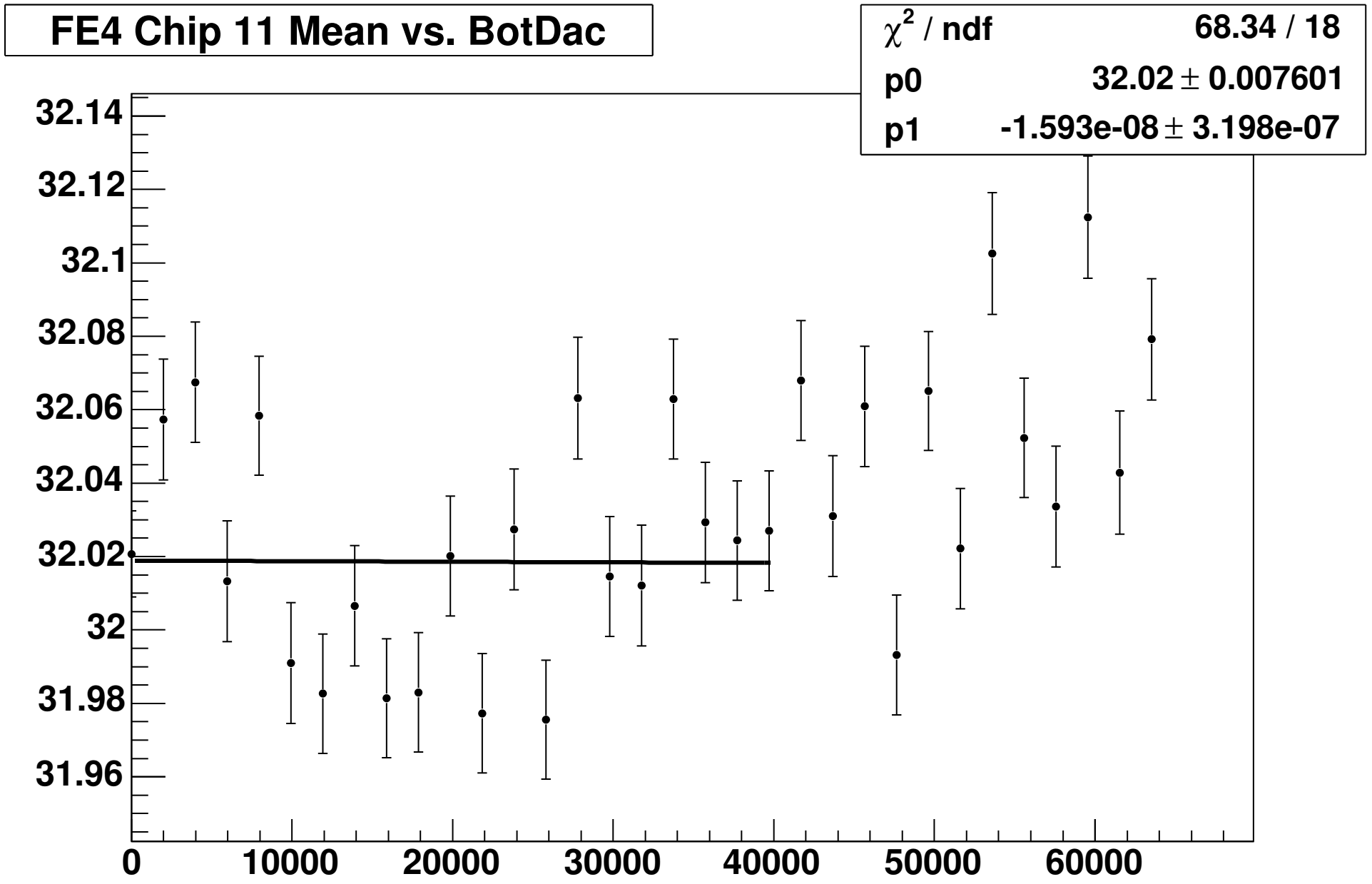
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 68.34 / 18
p0 32.02 ± 0.007601
p1 -1.593e-08 ± 3.198e-07
32.14
32.12
32.1
32.08
32.06
32.04
32.02
32
31.98
31.96
0
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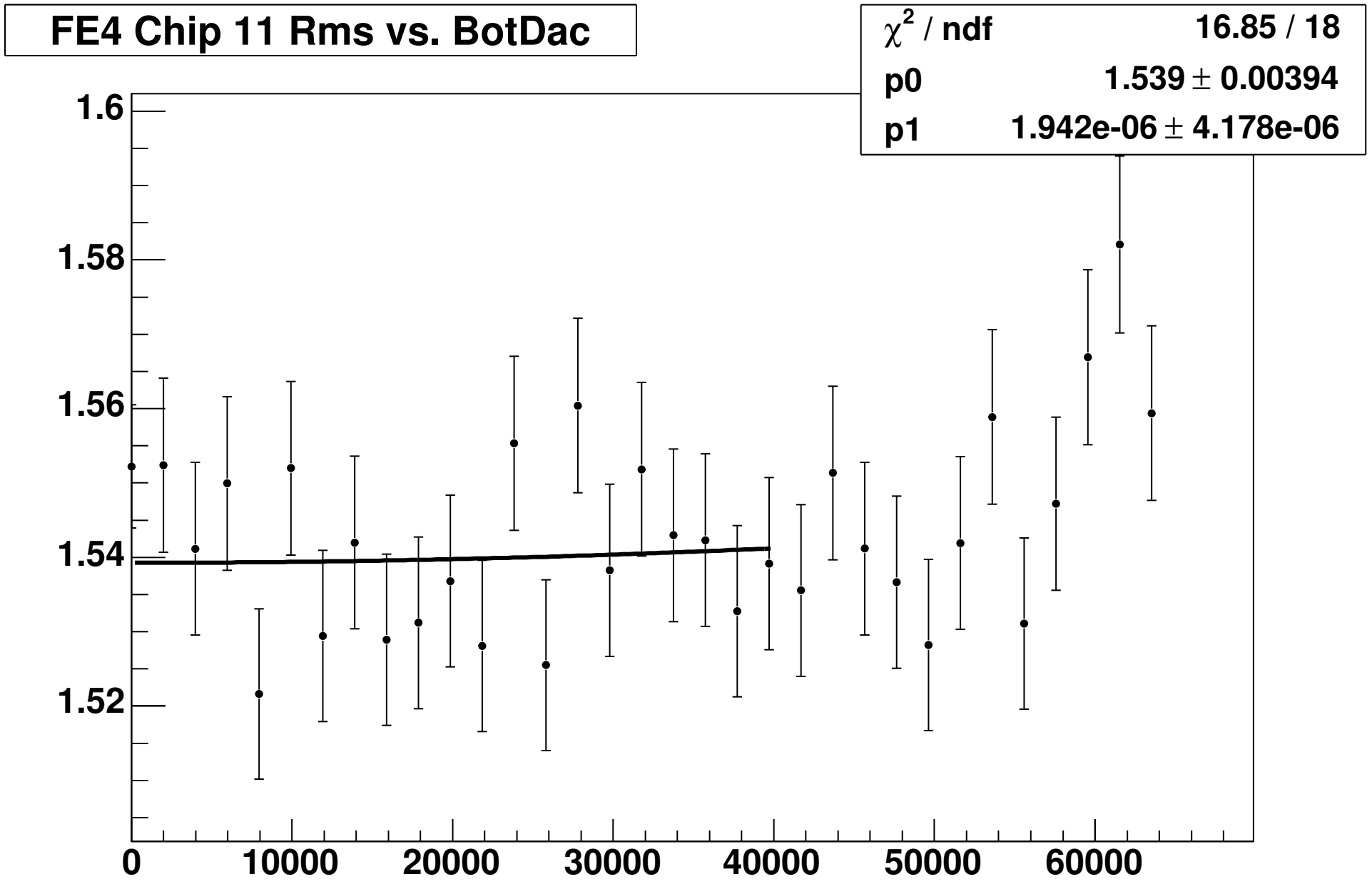
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 16.85 / 18
p0 1.539 ± 0.00394
p1 1.942e-06 ± 4.178e-06
1.6
1.58
1.56
1.54
1.52
0
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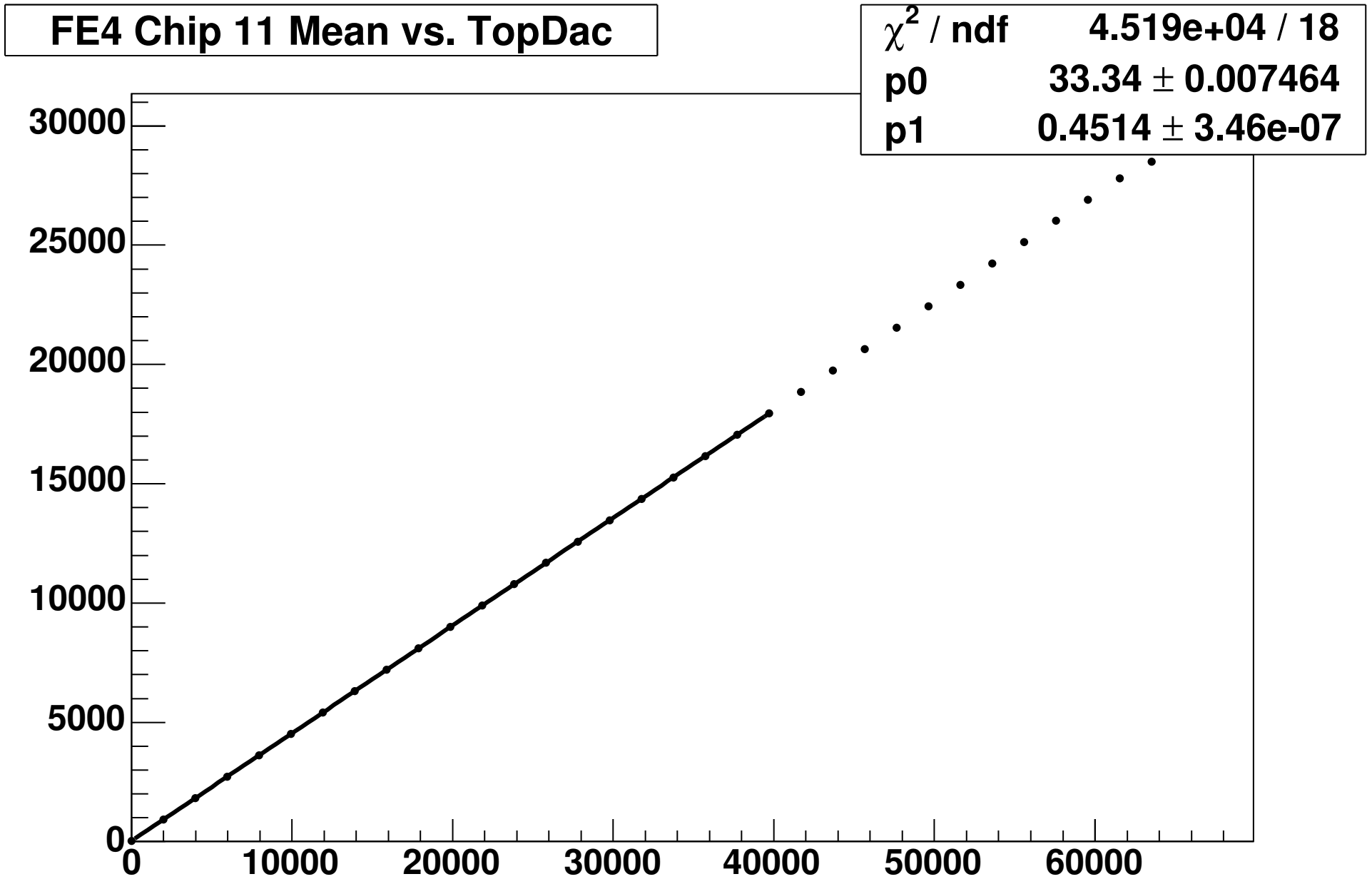
40000
50000
60000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 4.519e+04 / 18
p0 33.34 ± 0.007464
p1 0.4514 ± 3.46e-07
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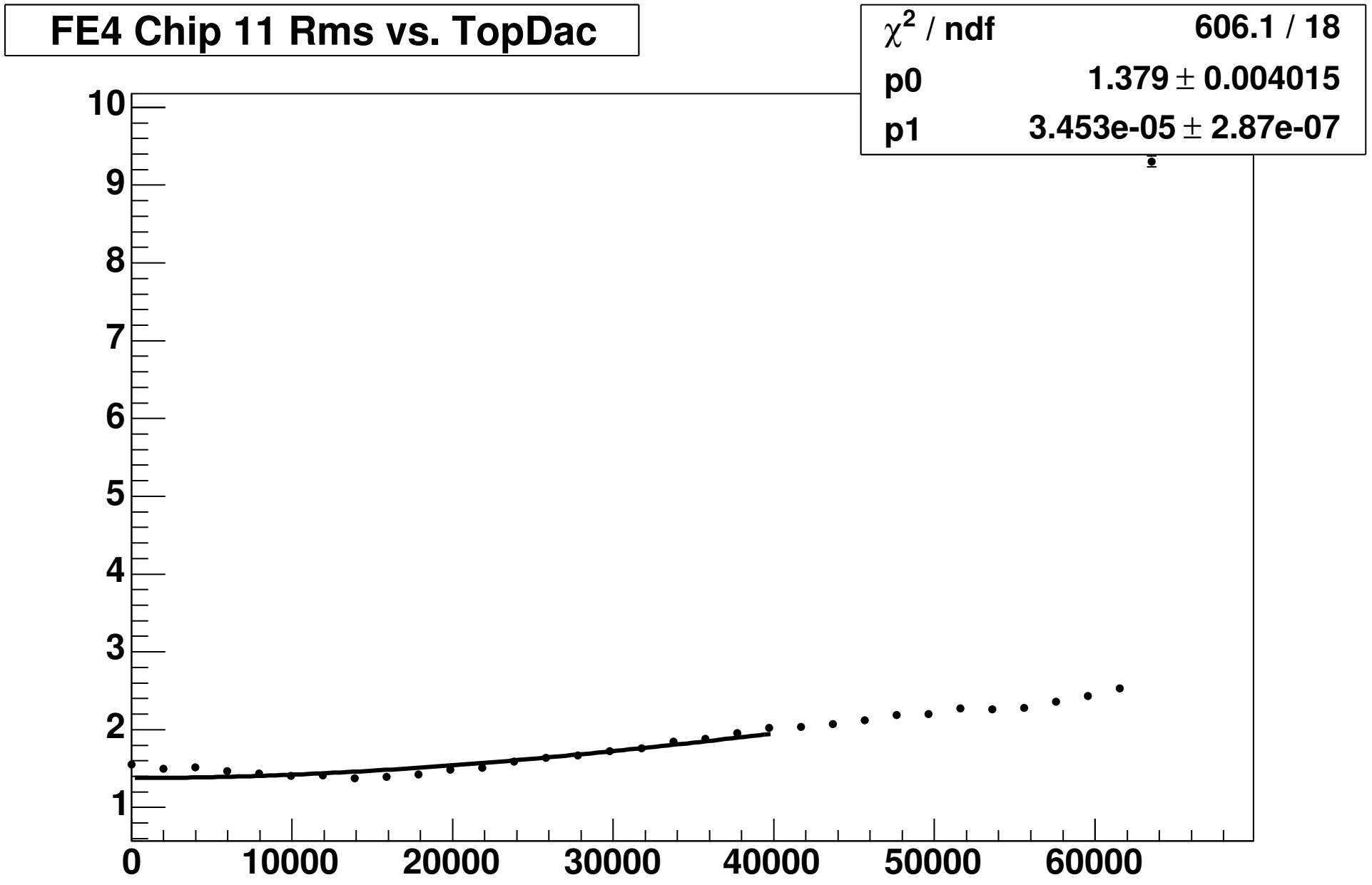
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 606.1 / 18
p0 1.379 ± 0.004015
p1 3.453e-05 ± 2.87e-07
10
9
8
7
6
5
4
3
2
1
0
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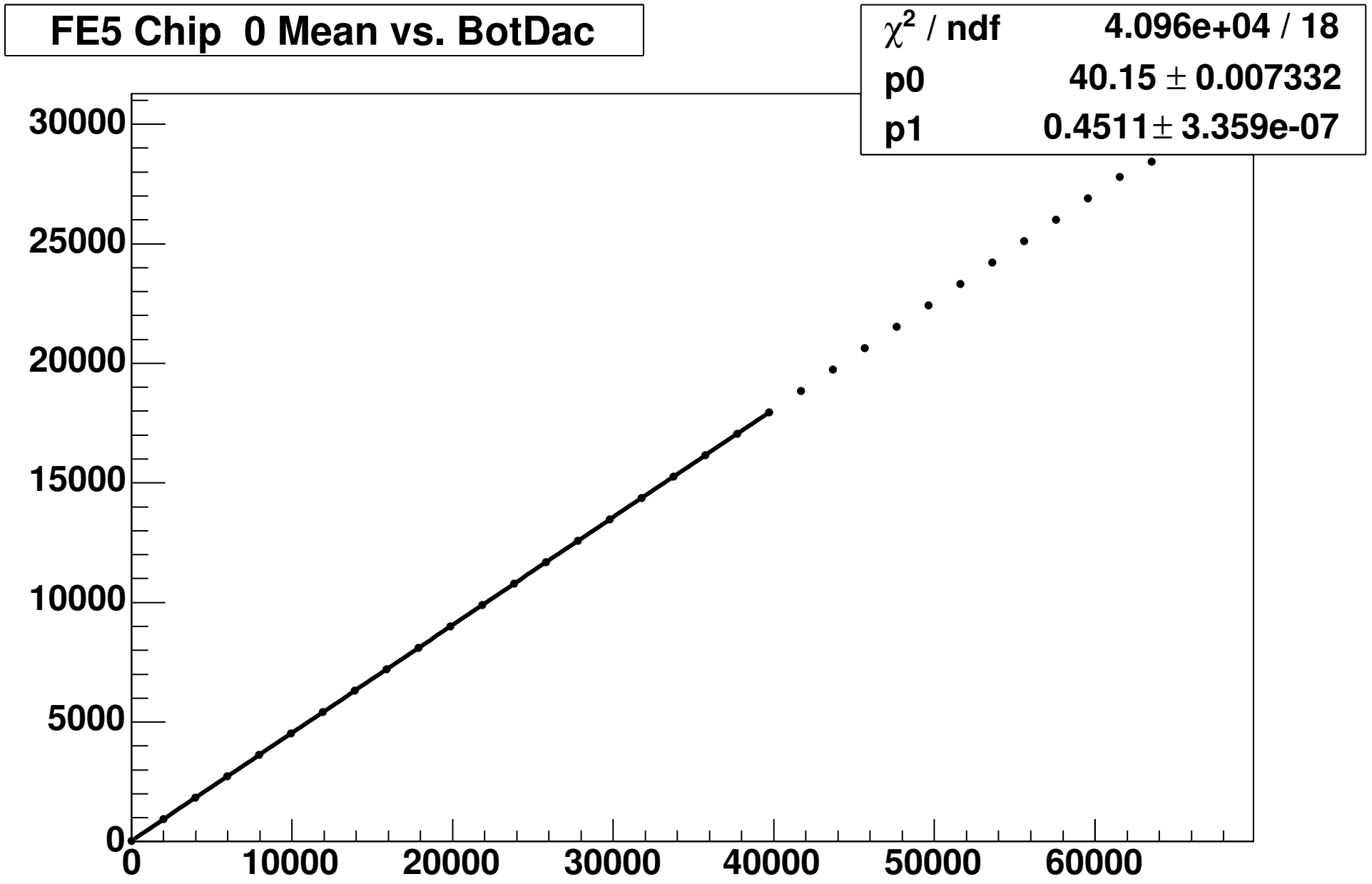
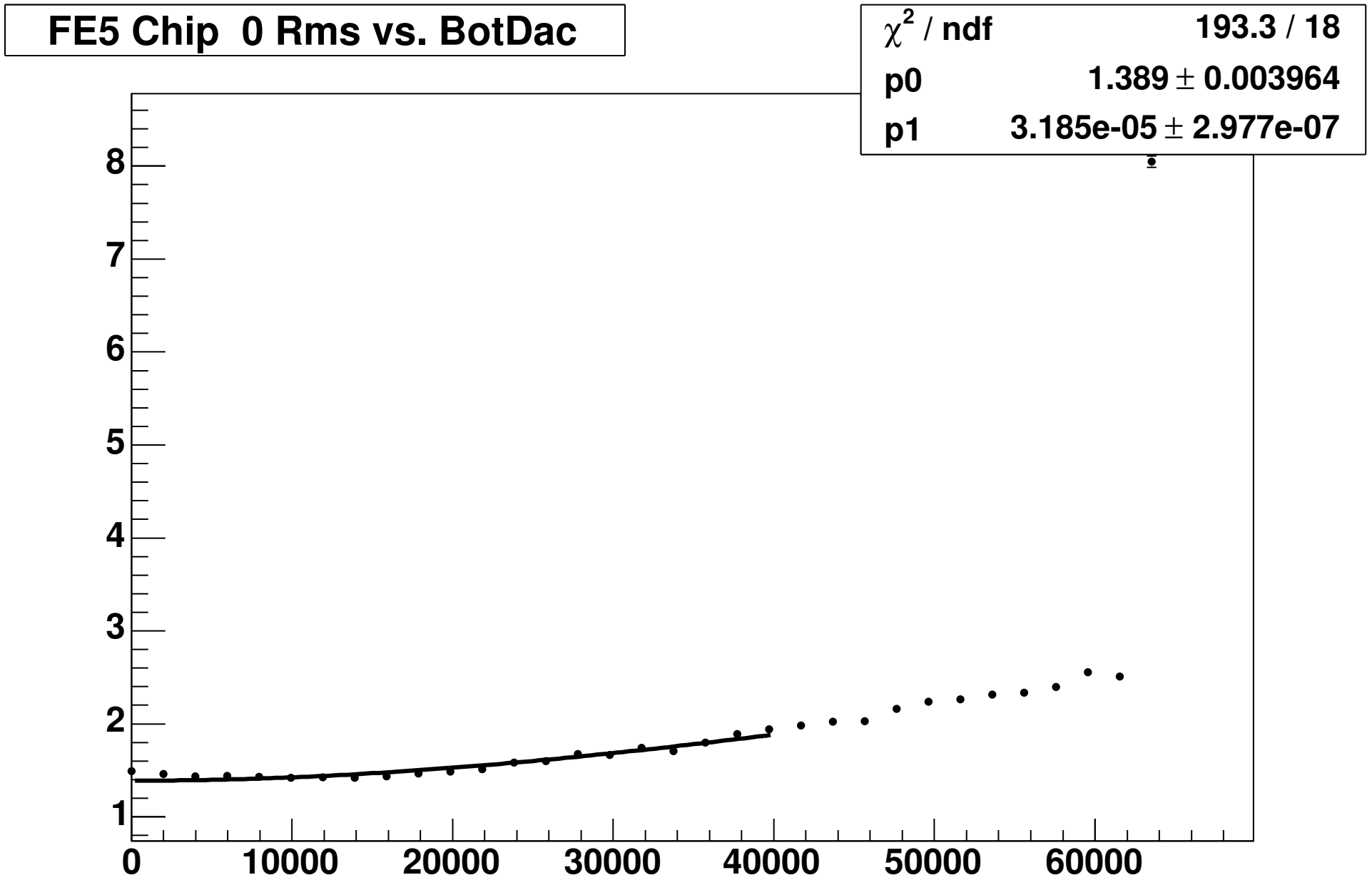
60000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 4.096e+04 / 18
p0 40.15 ± 0.007332
p1 0.4511 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 193.3 / 18
p0 1.389 ± 0.003964
p1 3.185e-05 ± 2.977e-07
8
7
6
5
4
3
2
1
0
10000
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30000
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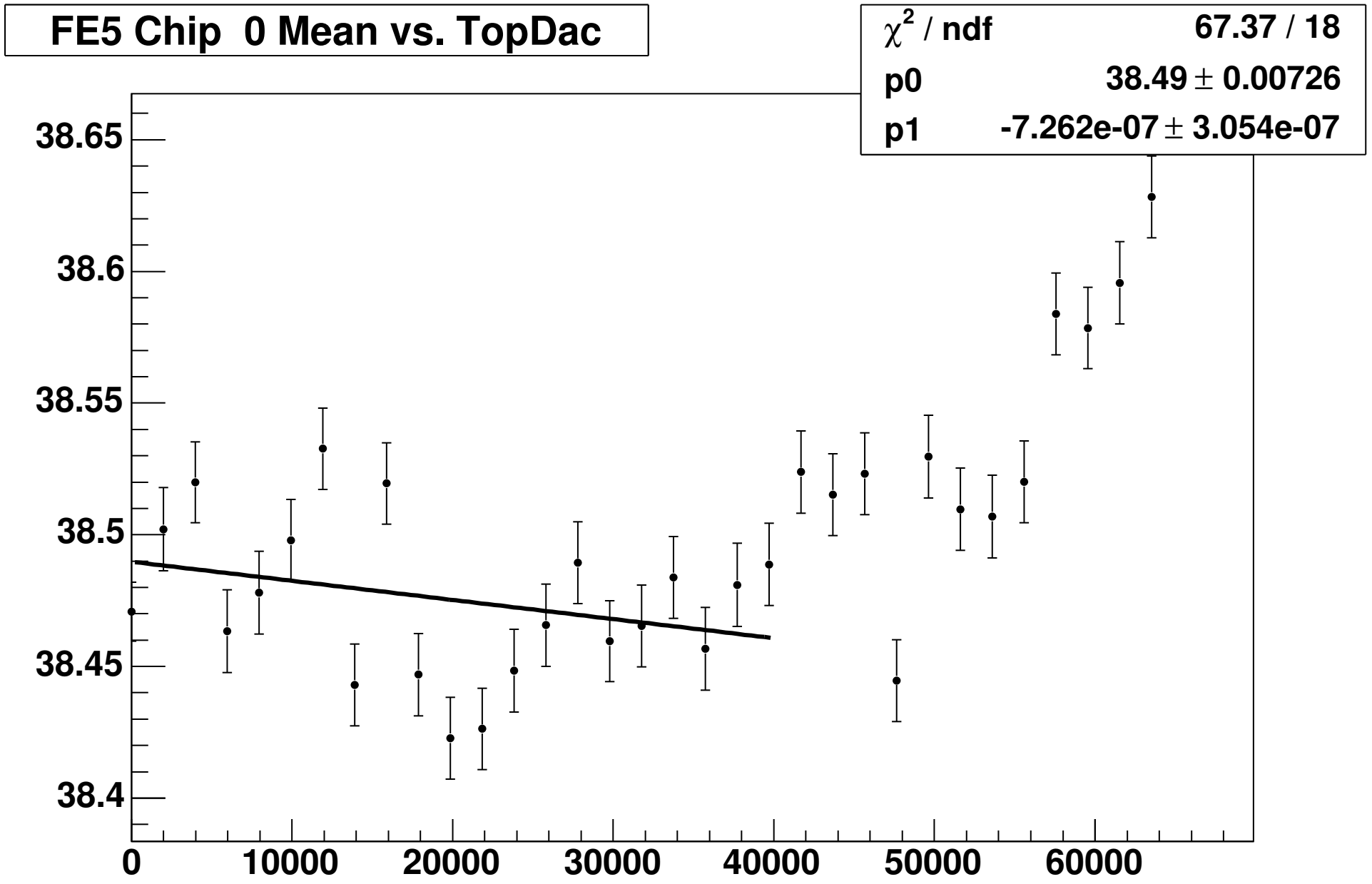
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 67.37 / 18
p0 38.49 ± 0.00726
p1 -7.262e-07 ± 3.054e-07
38.65
38.6
38.55
38.5
38.45
38.4
0
10000
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30000
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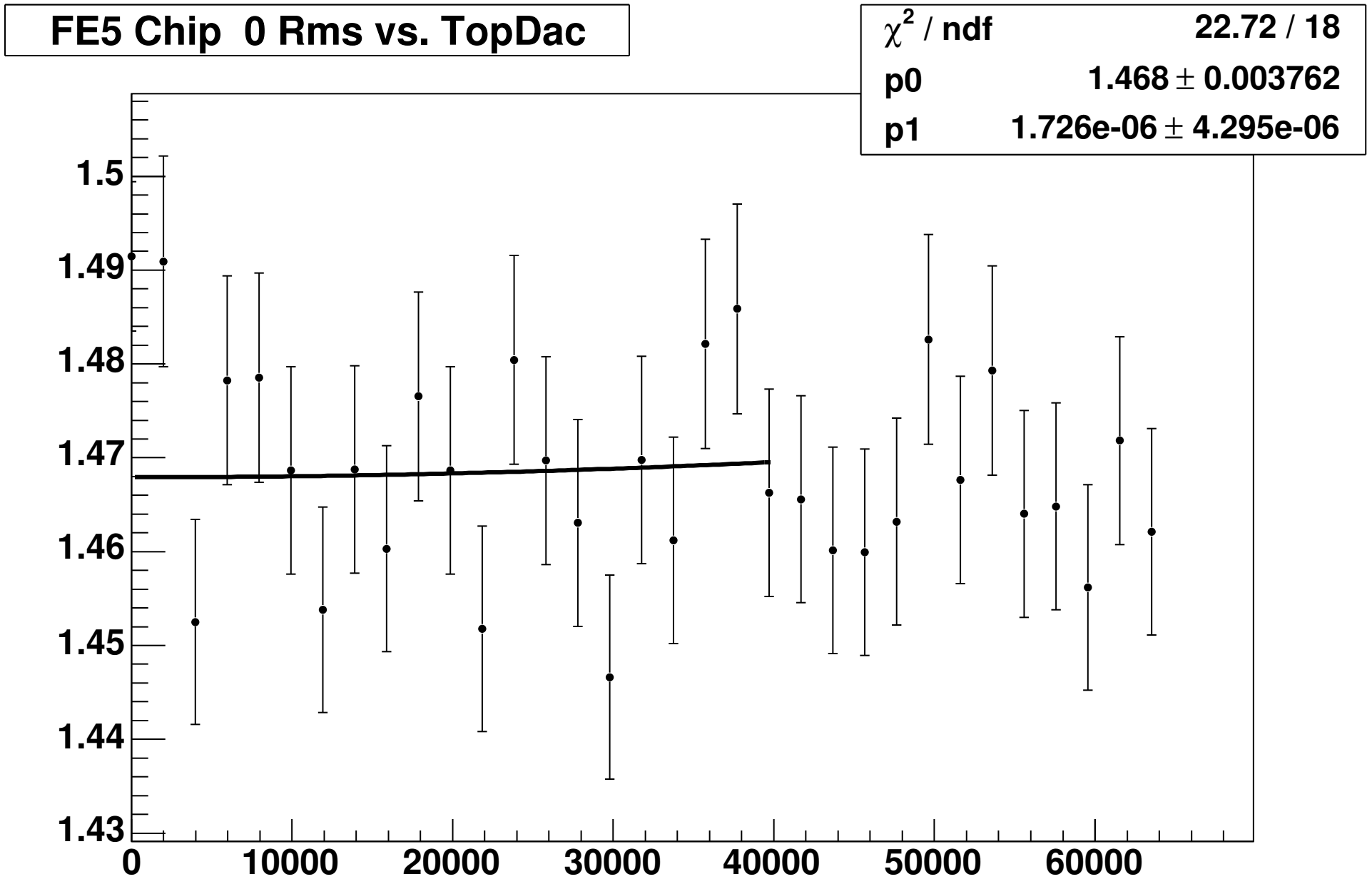
60000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 22.72 / 18
p0 1.468 ± 0.003762
p1 1.726e-06 ± 4.295e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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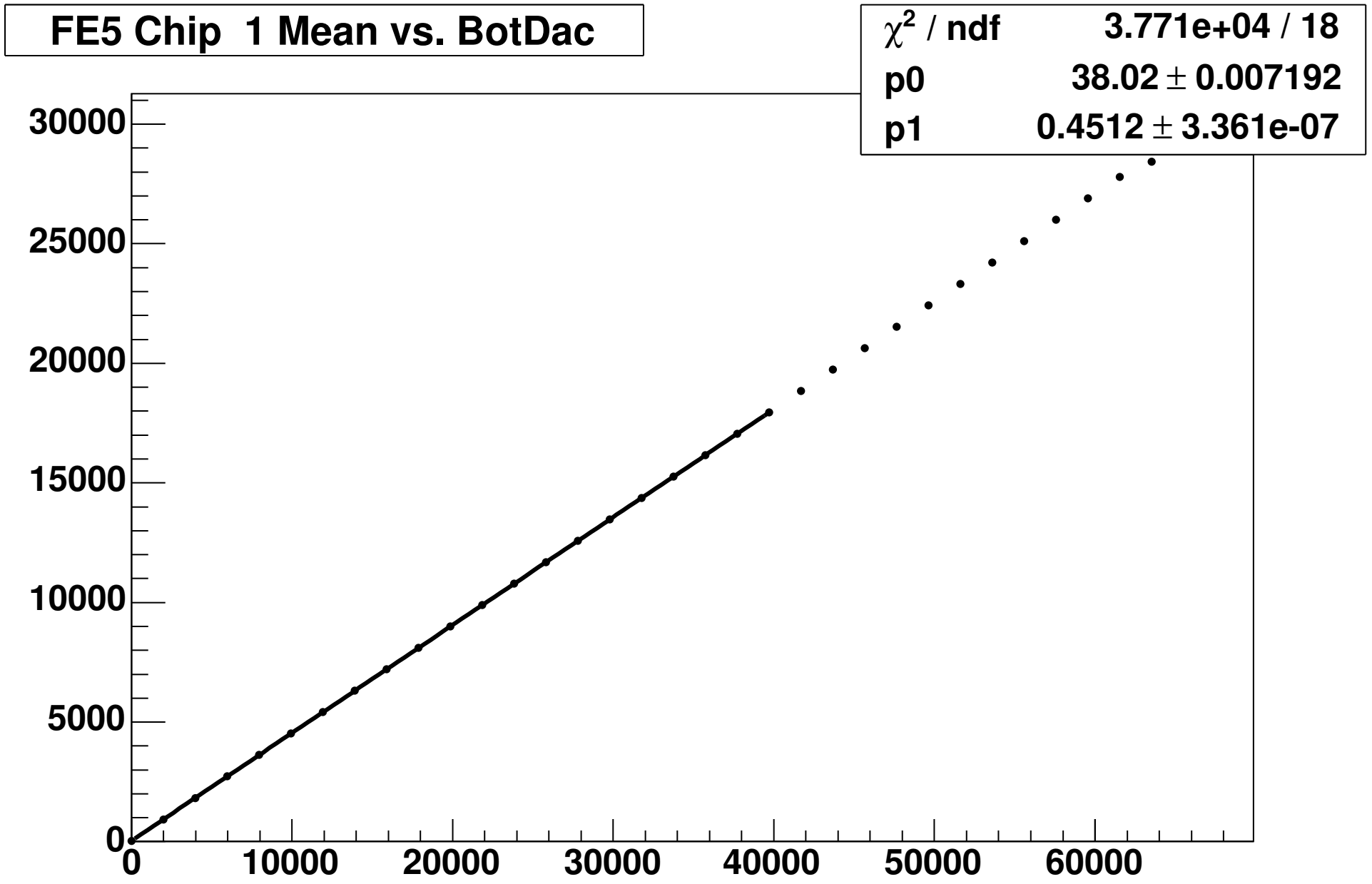
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 3.771e+04 / 18
p0 38.02 ± 0.007192
p1 0.4512 ± 3.361e-07
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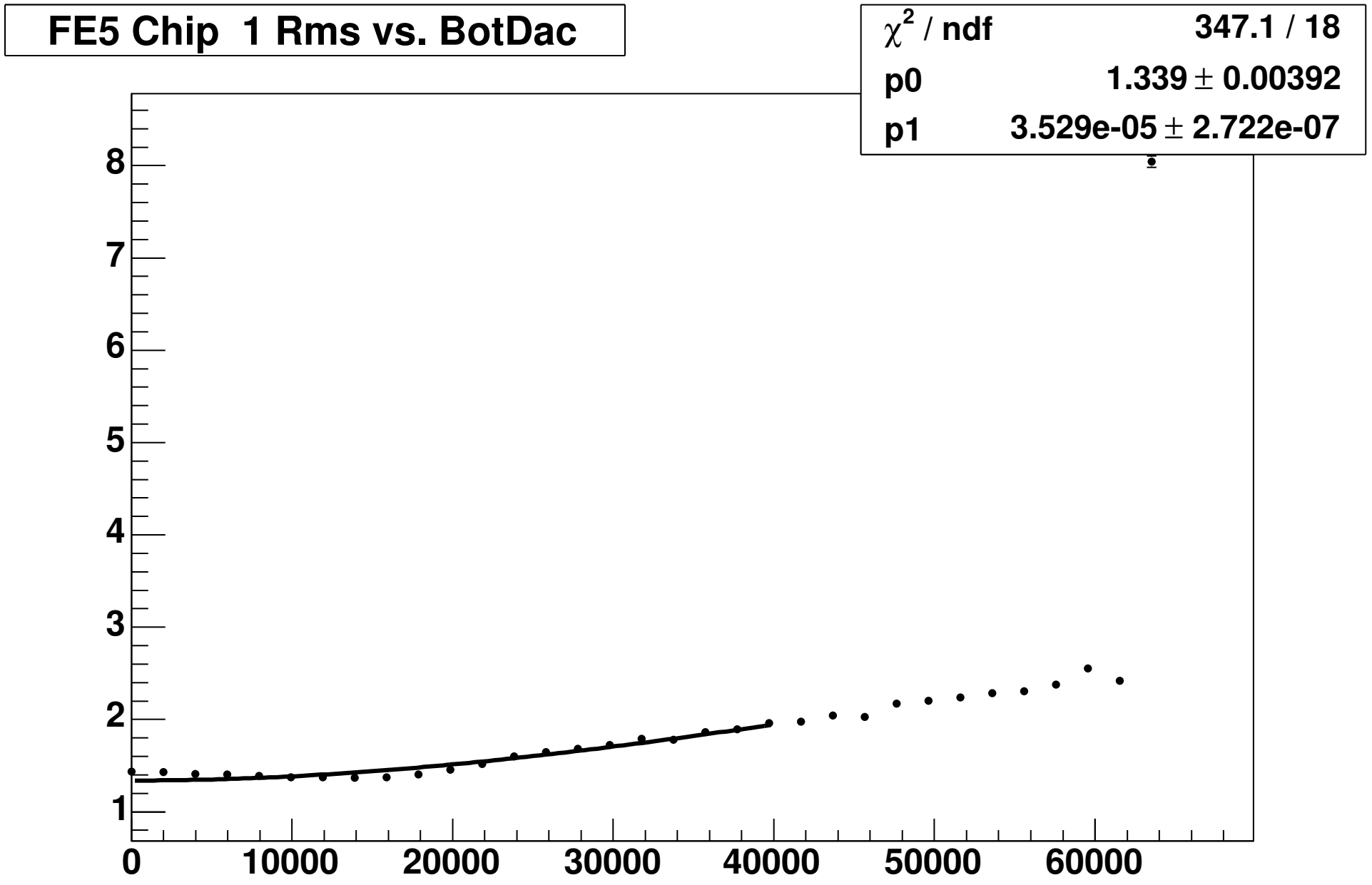
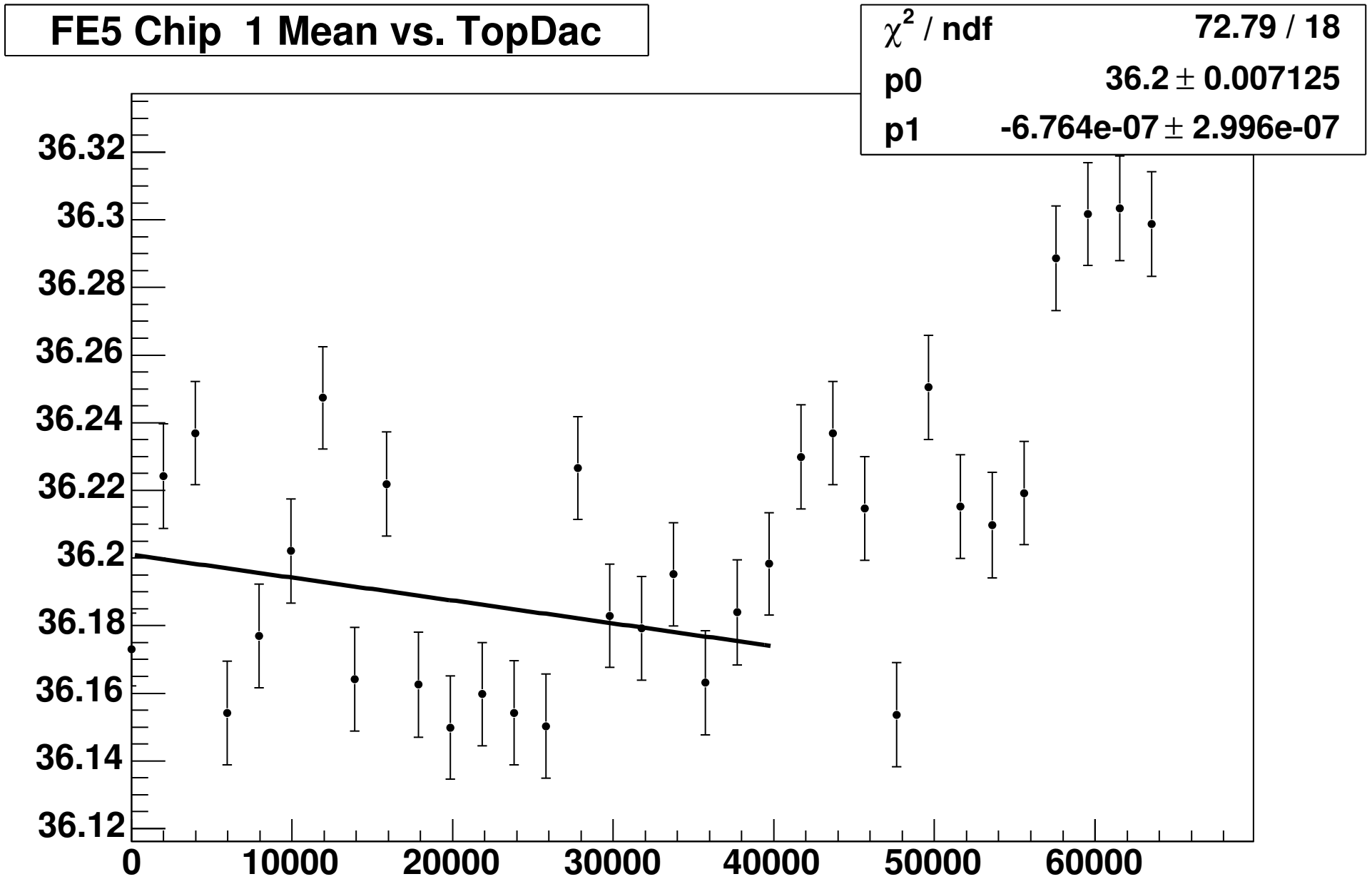
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 347.1 / 18
p0 1.339 ± 0.00392
p1 3.529e-05 ± 2.722e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 72.79 / 18
p0 36.2 ± 0.007125
p1 -6.764e-07 ± 2.996e-07
36.32
36.3
36.28
36.26
36.24
36.22
36.2
36.18
36.16
36.14
36.12
0
10000
20000
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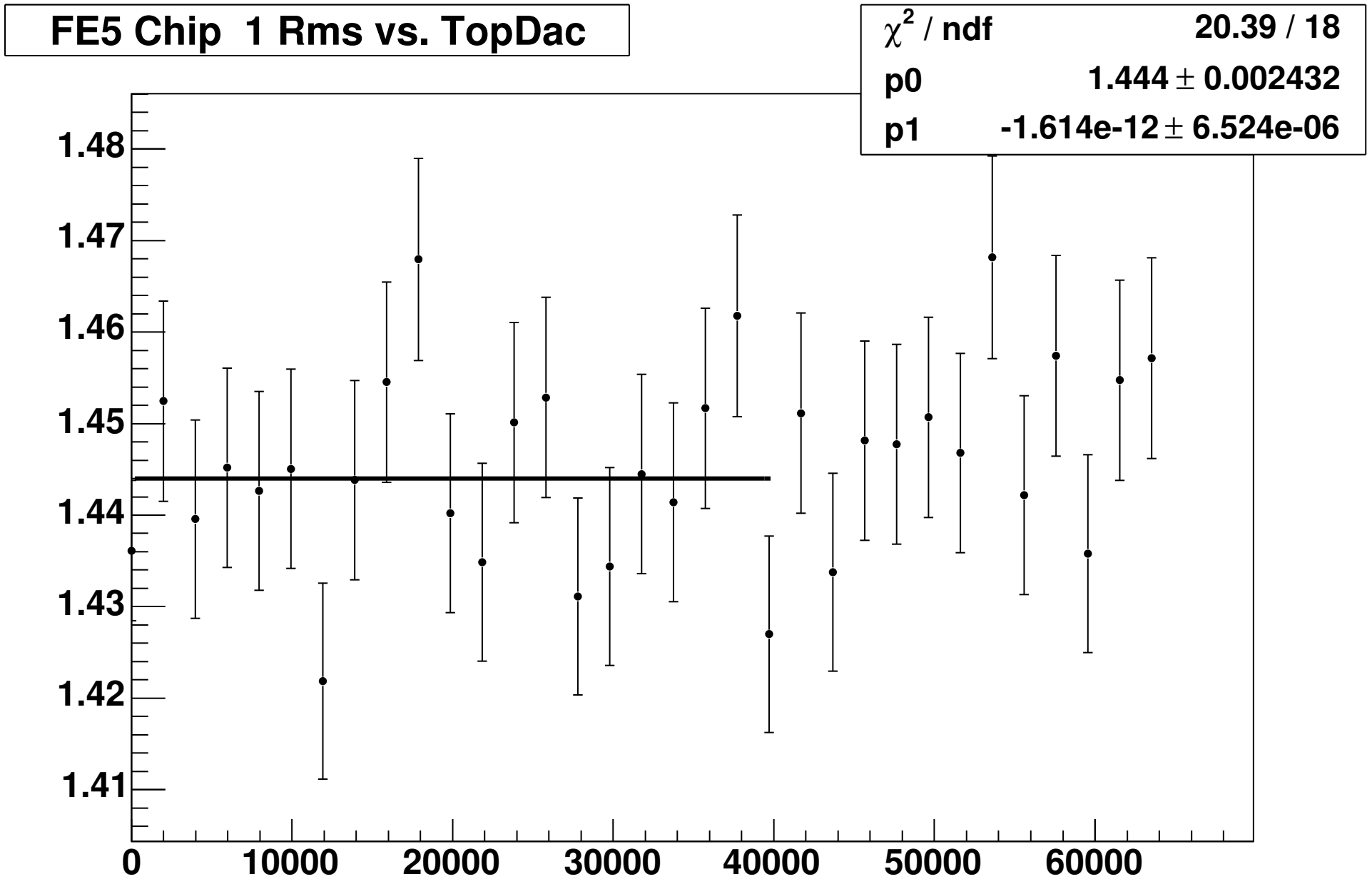
FE5 Chip 1 Rms vs. TopDac
χ² / ndf 20.39 / 18
p0 1.444 ± 0.002432
p1 -1.614e-12 ± 6.524e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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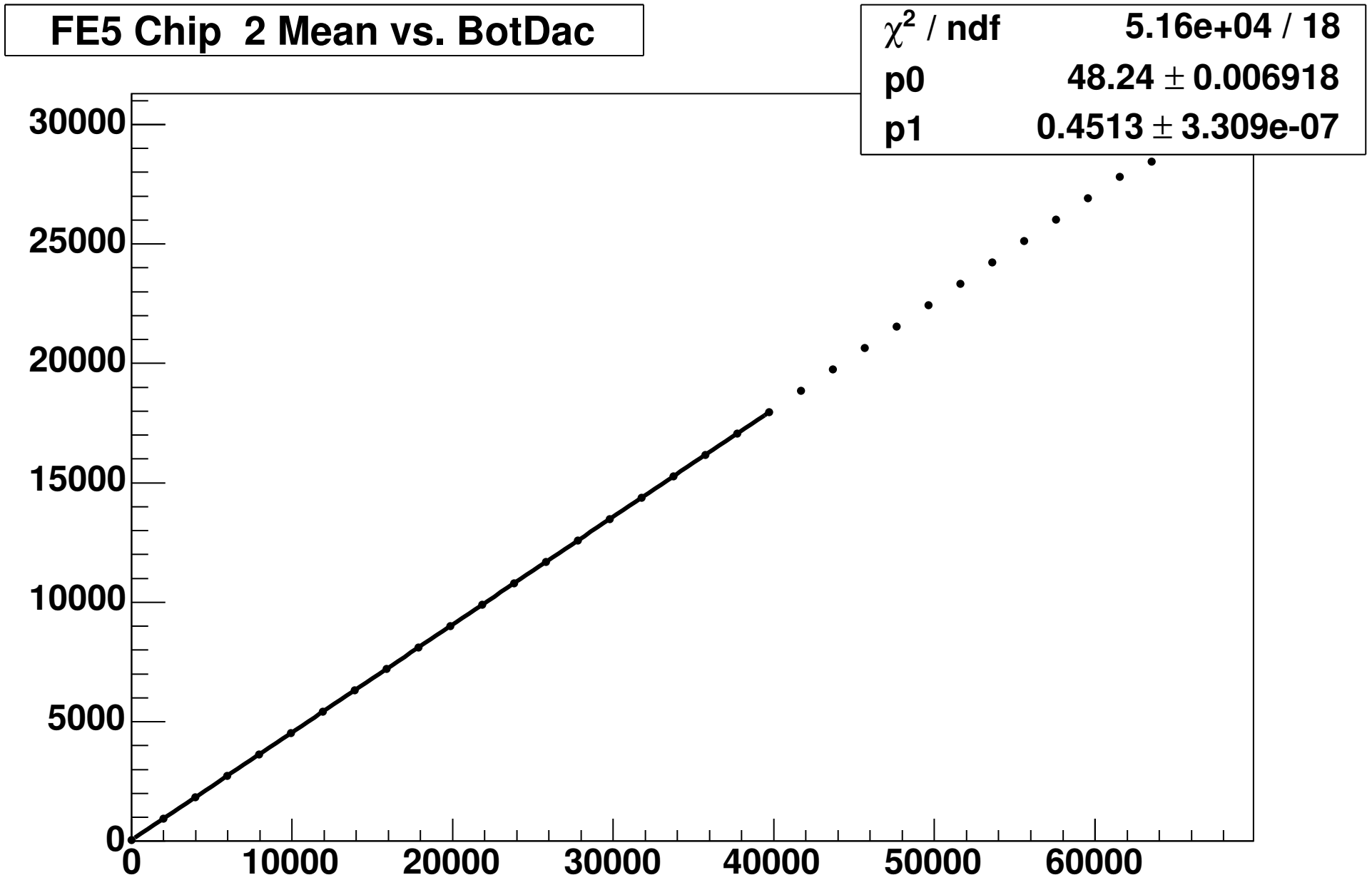
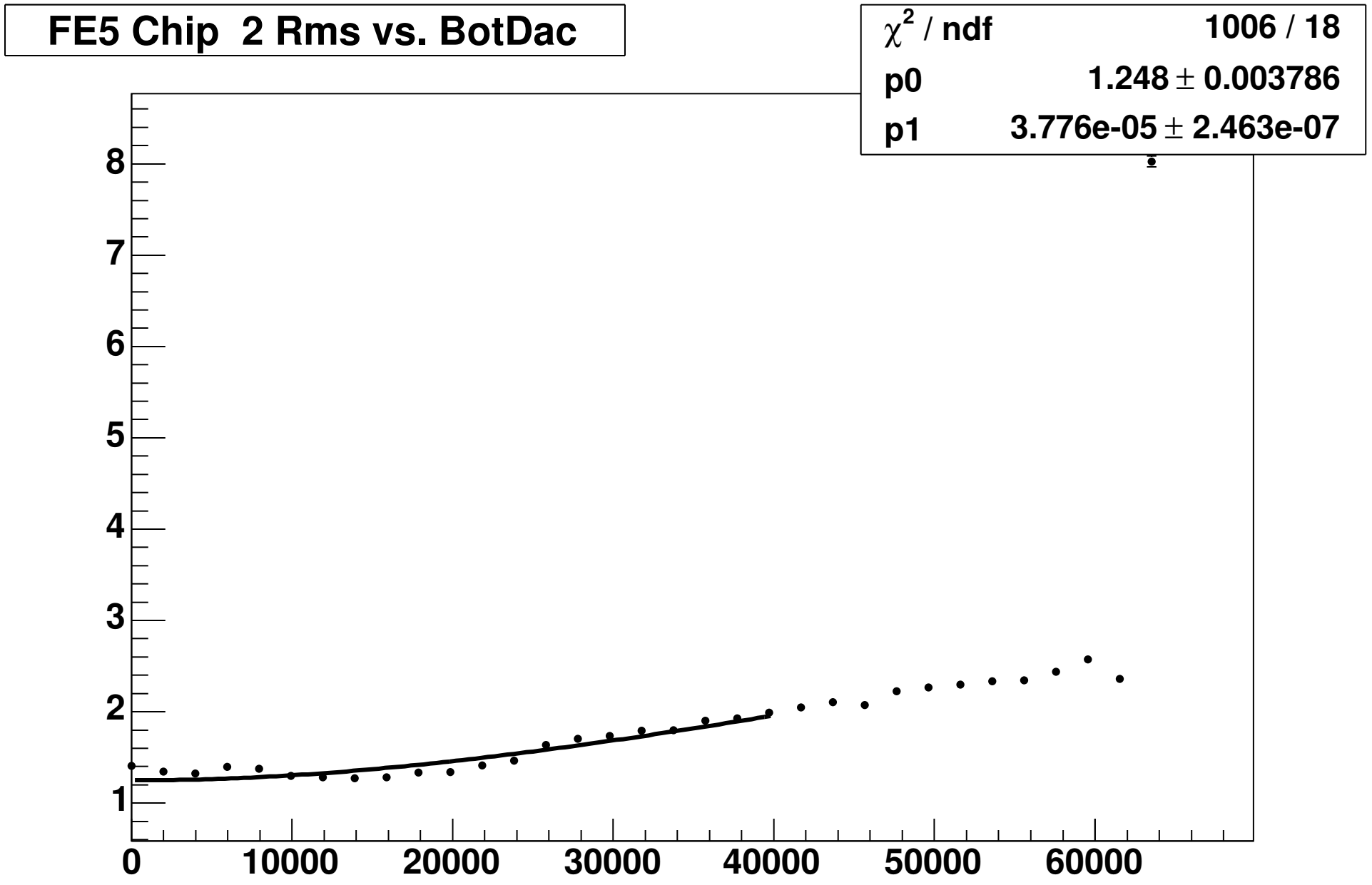
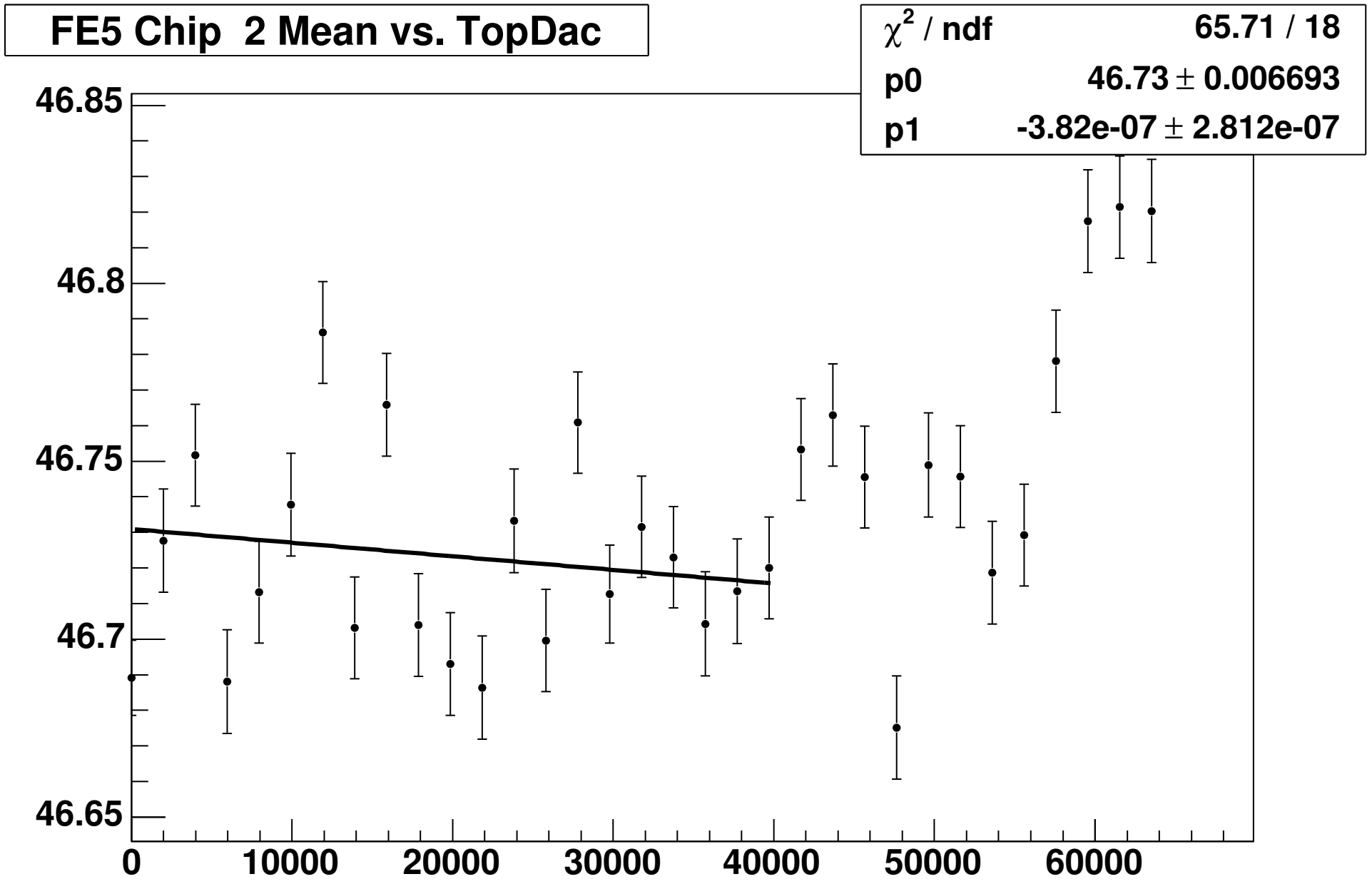
40000
50000
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 5.16e+04 / 18
p0 48.24 ± 0.006918
p1 0.4513 ± 3.309e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1006 / 18
p0 1.248 ± 0.003786
p1 3.776e-05 ± 2.463e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 65.71 / 18
p0 46.73 ± 0.006693
p1 -3.82e-07 ± 2.812e-07
46.85
46.8
46.75
46.7
46.65
0
10000
20000
30000
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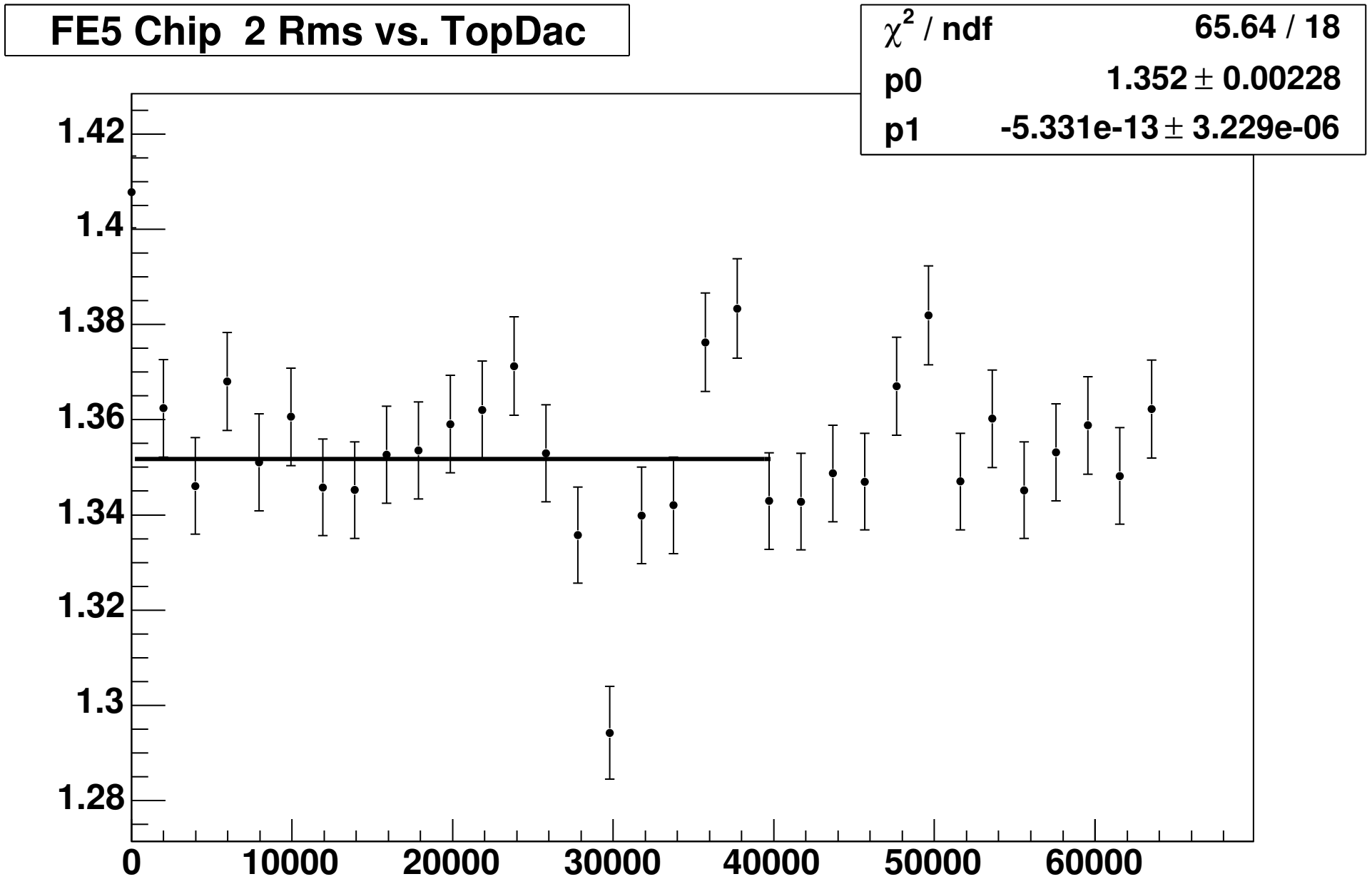
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 65.64 / 18
p0 1.352 ± 0.00228
p1 -5.331e-13 ± 3.229e-06
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
0
10000
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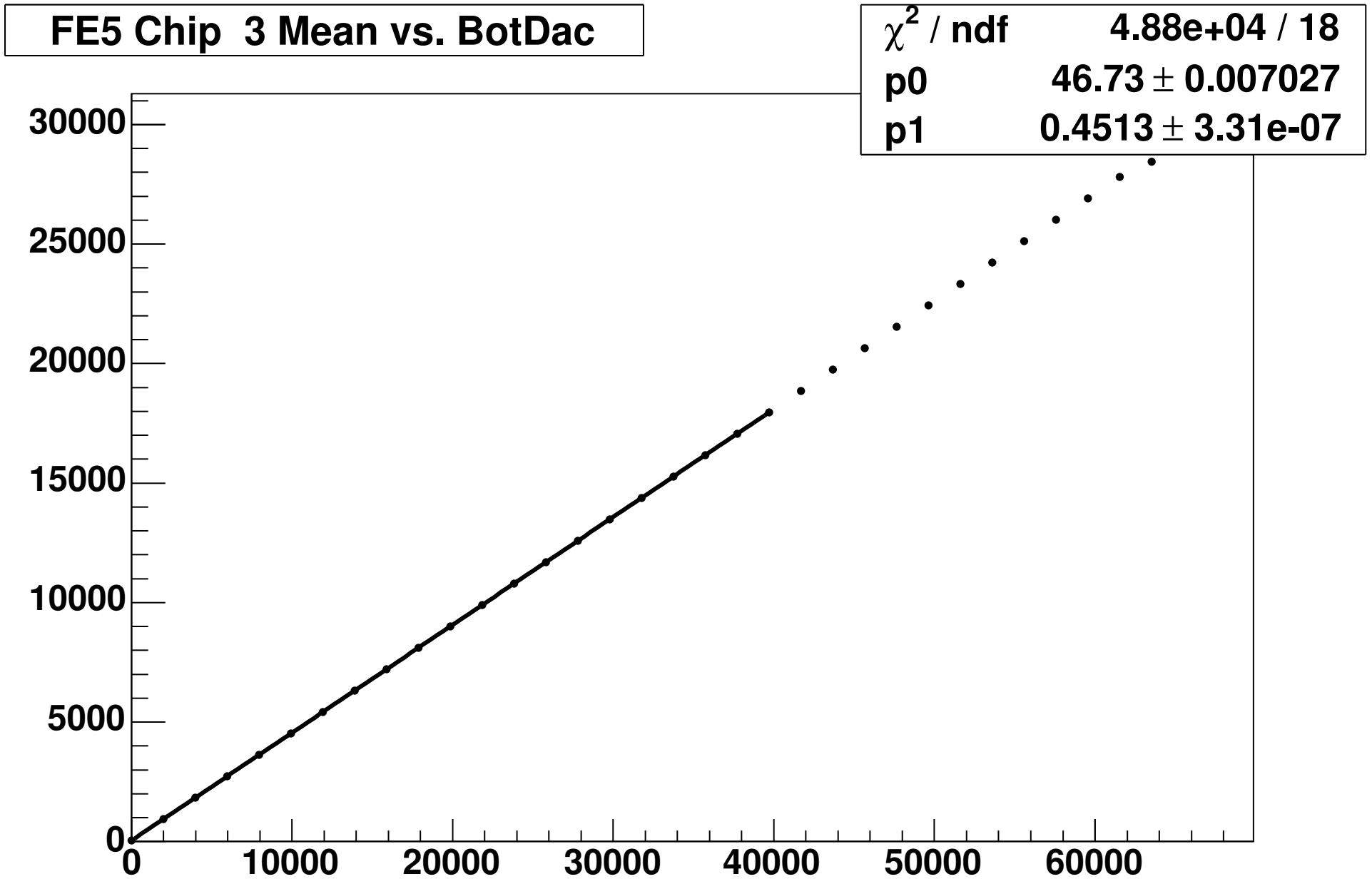
30000
40000
50000
60000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 4.88e+04 / 18
p0 46.73 ± 0.007027
p1 0.4513 ± 3.31e-07
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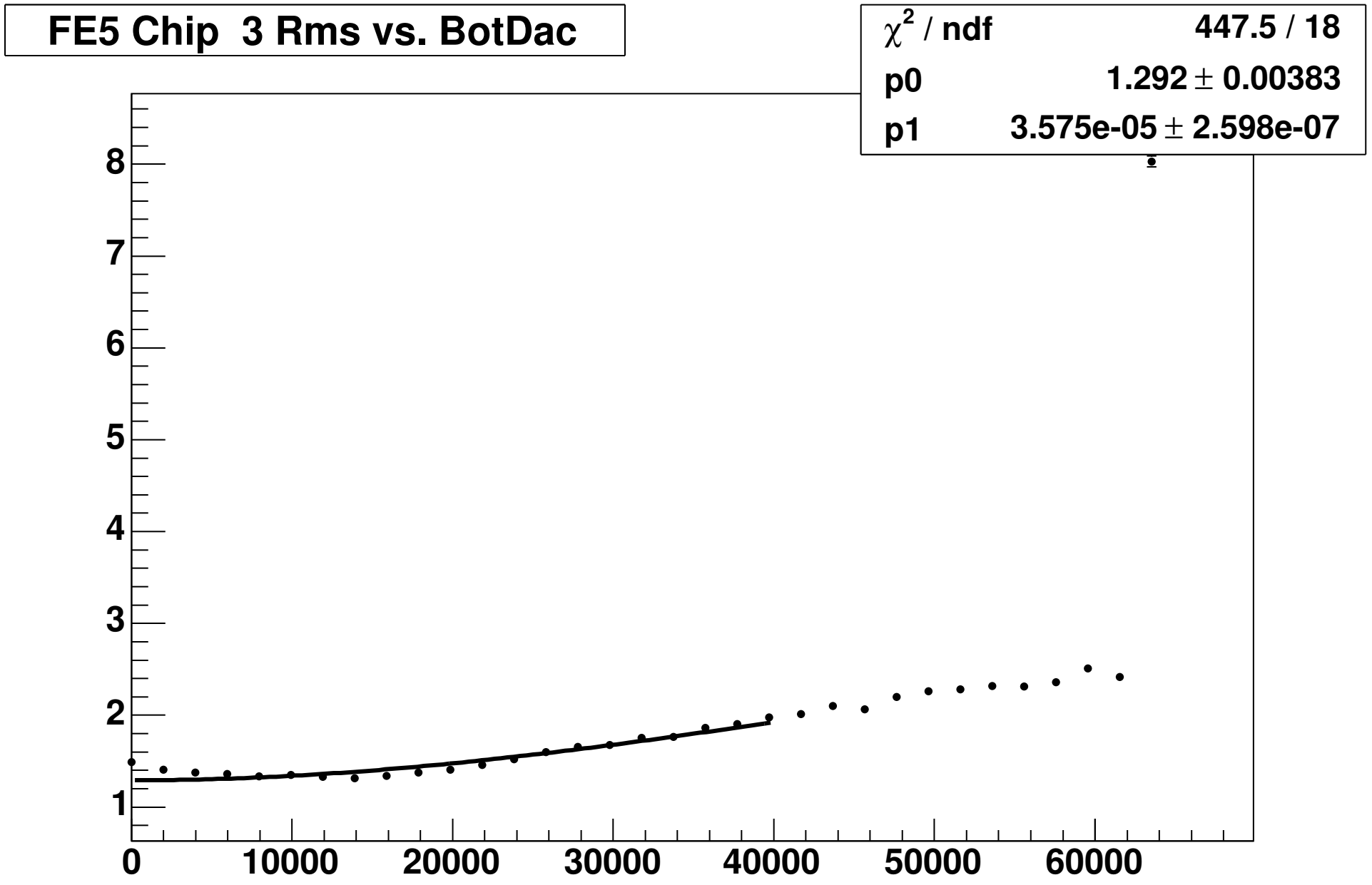
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 447.5 / 18
p0 1.292 ± 0.00383
p1 3.575e-05 ± 2.598e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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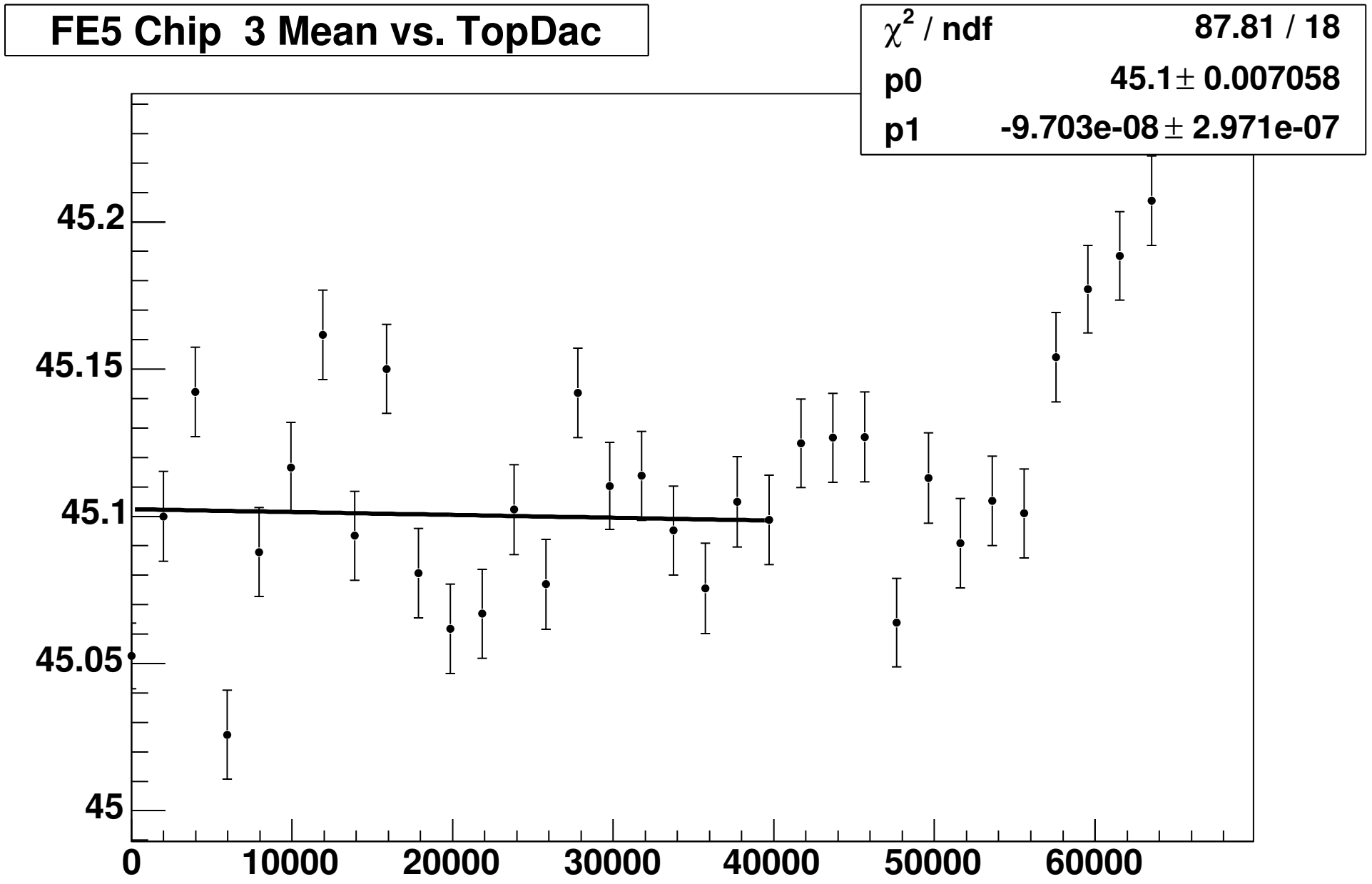
60000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 87.81 / 18
p0 45.1 ± 0.007058
p1 -9.703e-08 ± 2.971e-07
45.2
45.15
45.1
45.05
45
0
10000
20000
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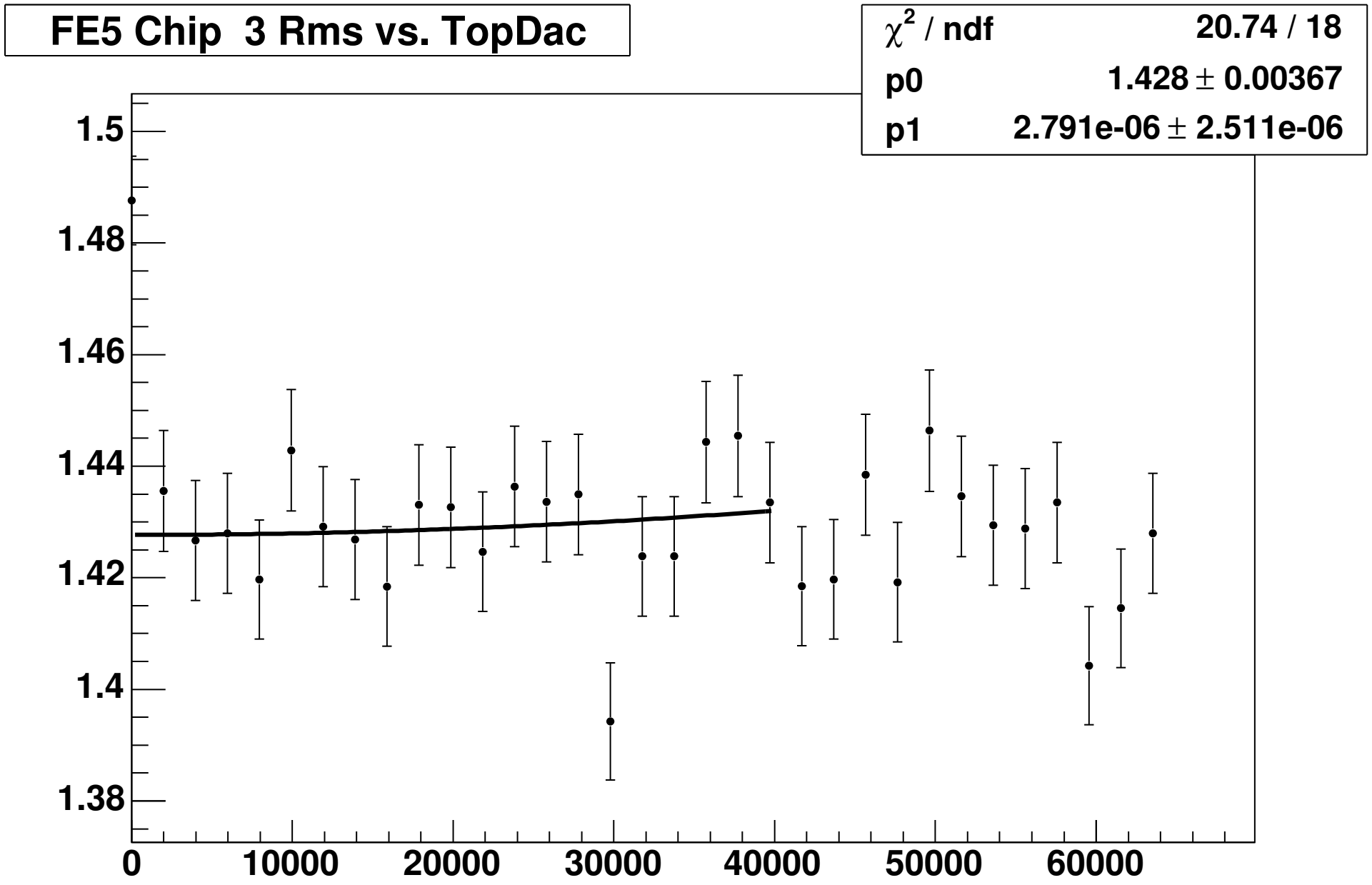
40000
50000
60000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 20.74 / 18
p0 1.428 ± 0.00367
p1 2.791e-06 ± 2.511e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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30000
40000
50000
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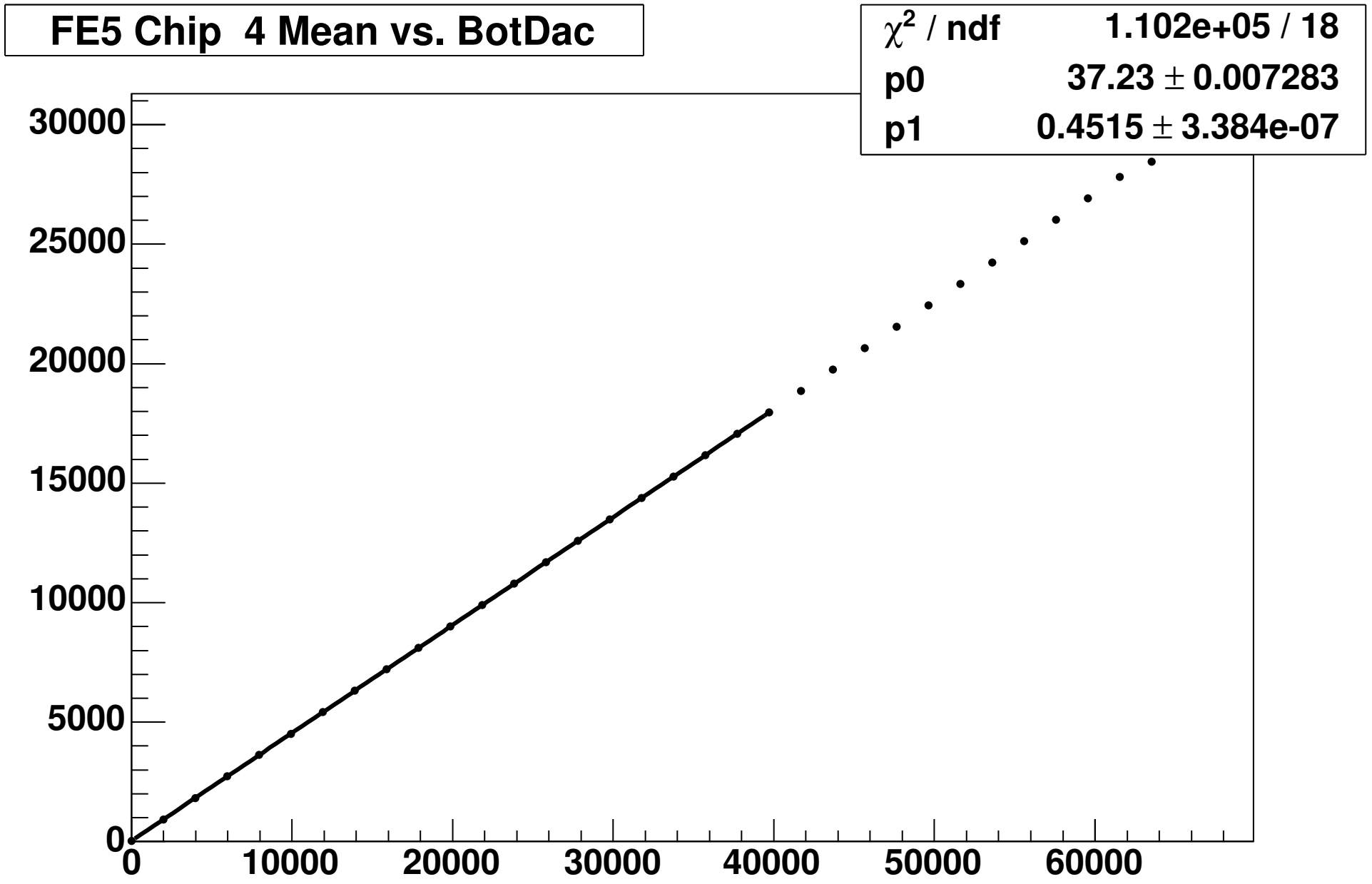
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.102e+05 / 18
p0 37.23 ± 0.007283
p1 0.4515 ± 3.384e-07
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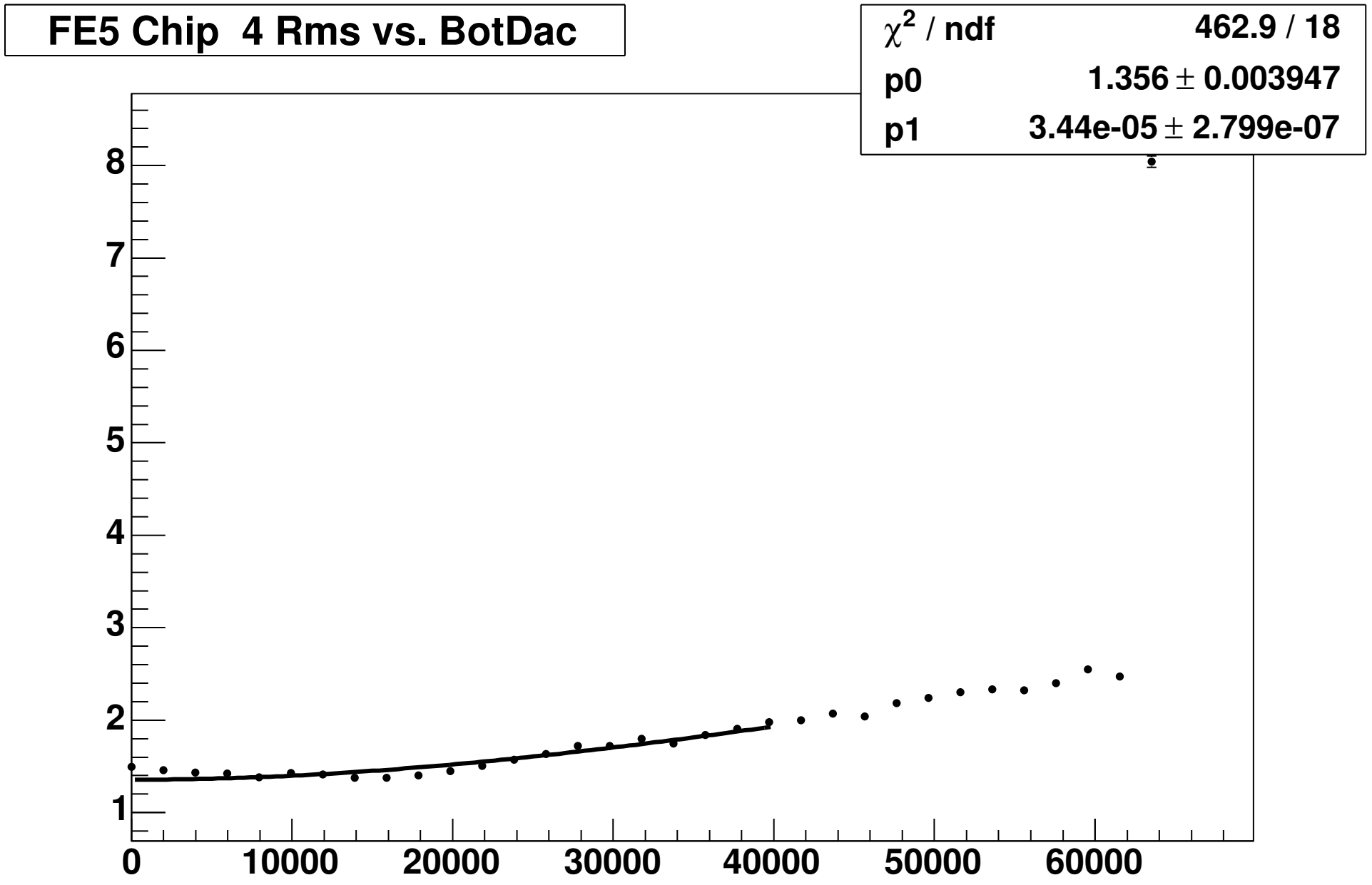
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 462.9 / 18
p0 1.356 ± 0.003947
p1 3.44e-05 ± 2.799e-07
8
7
6
5
4
3
2
1
0
10000
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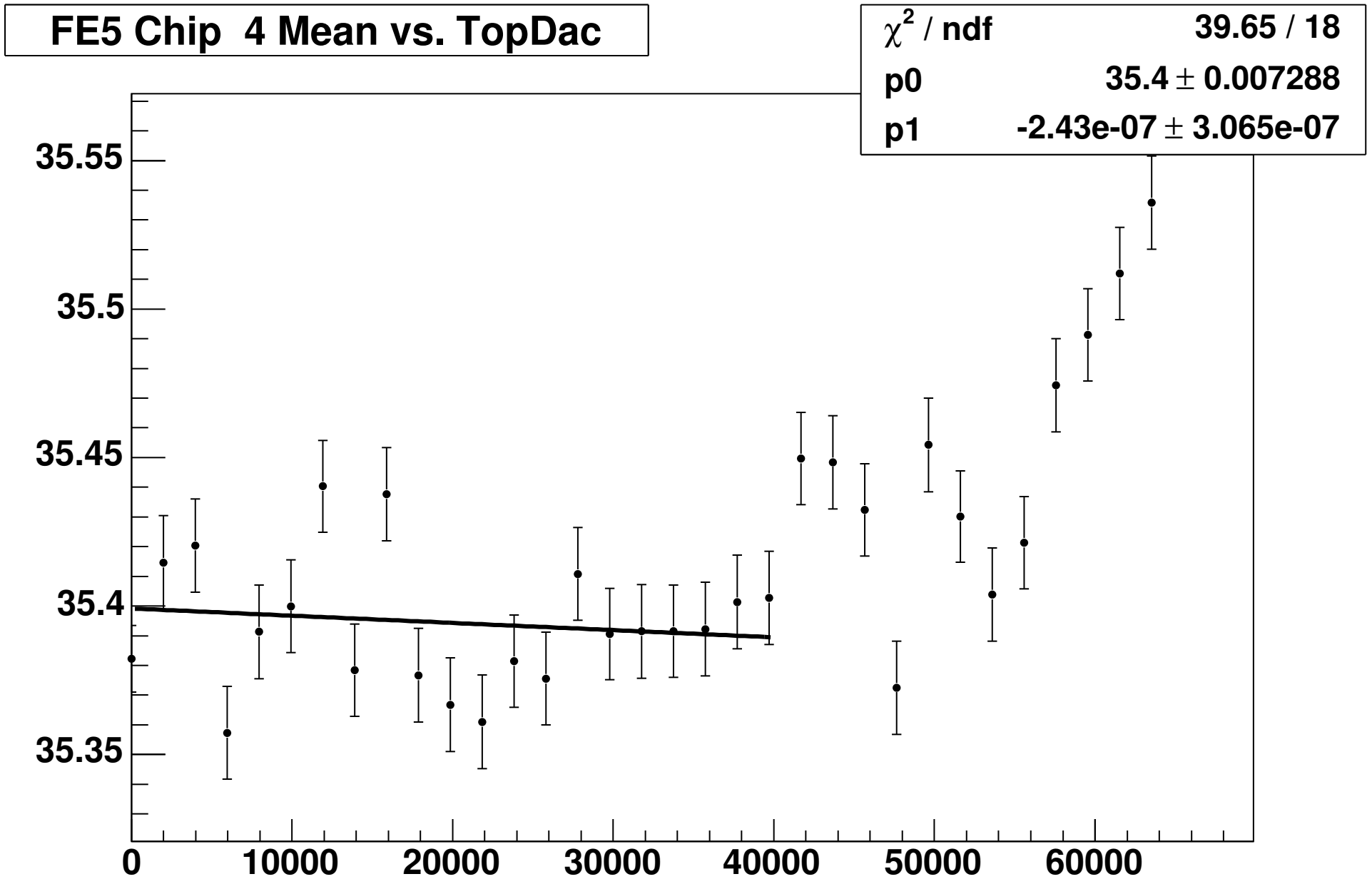
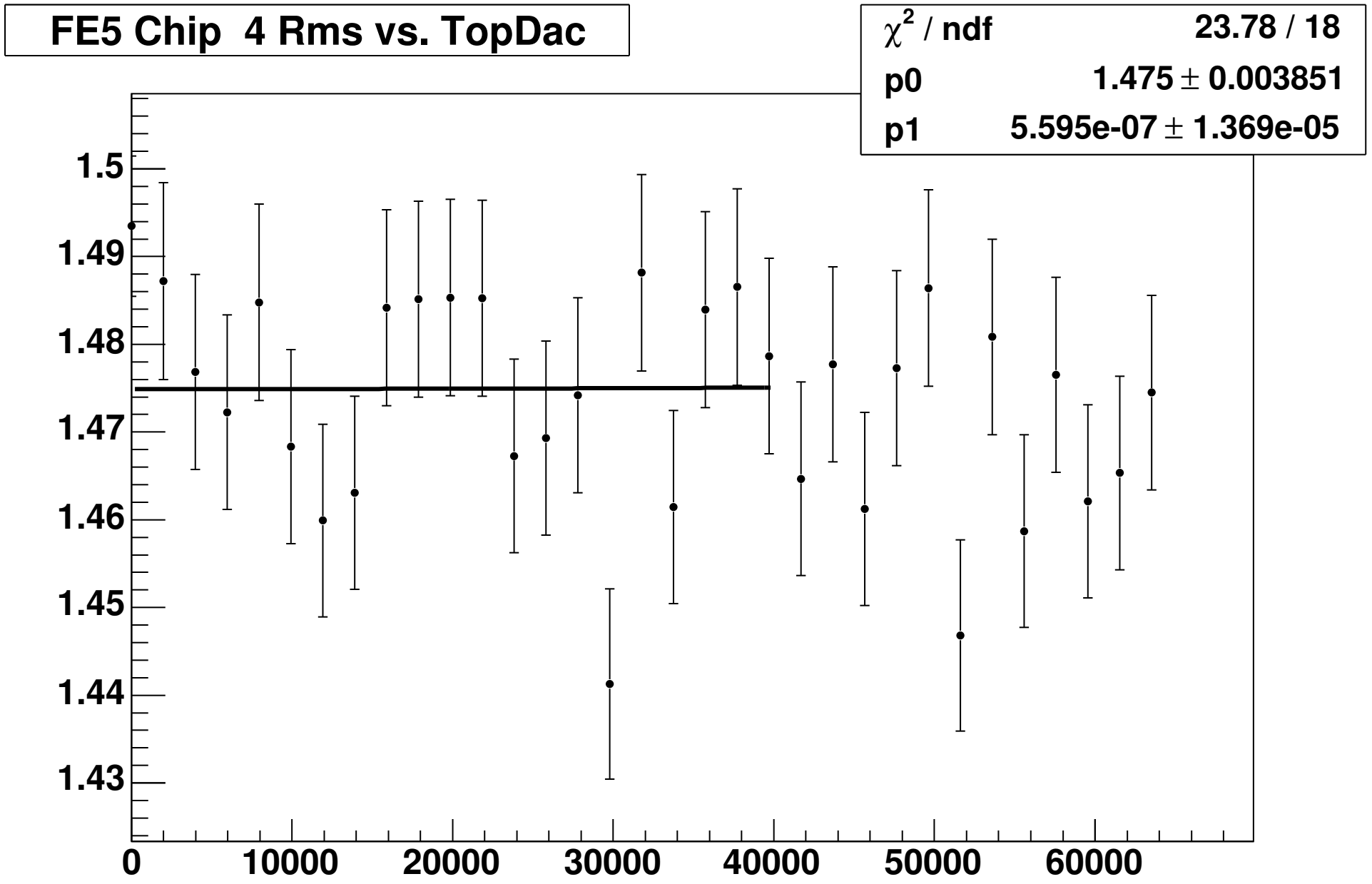
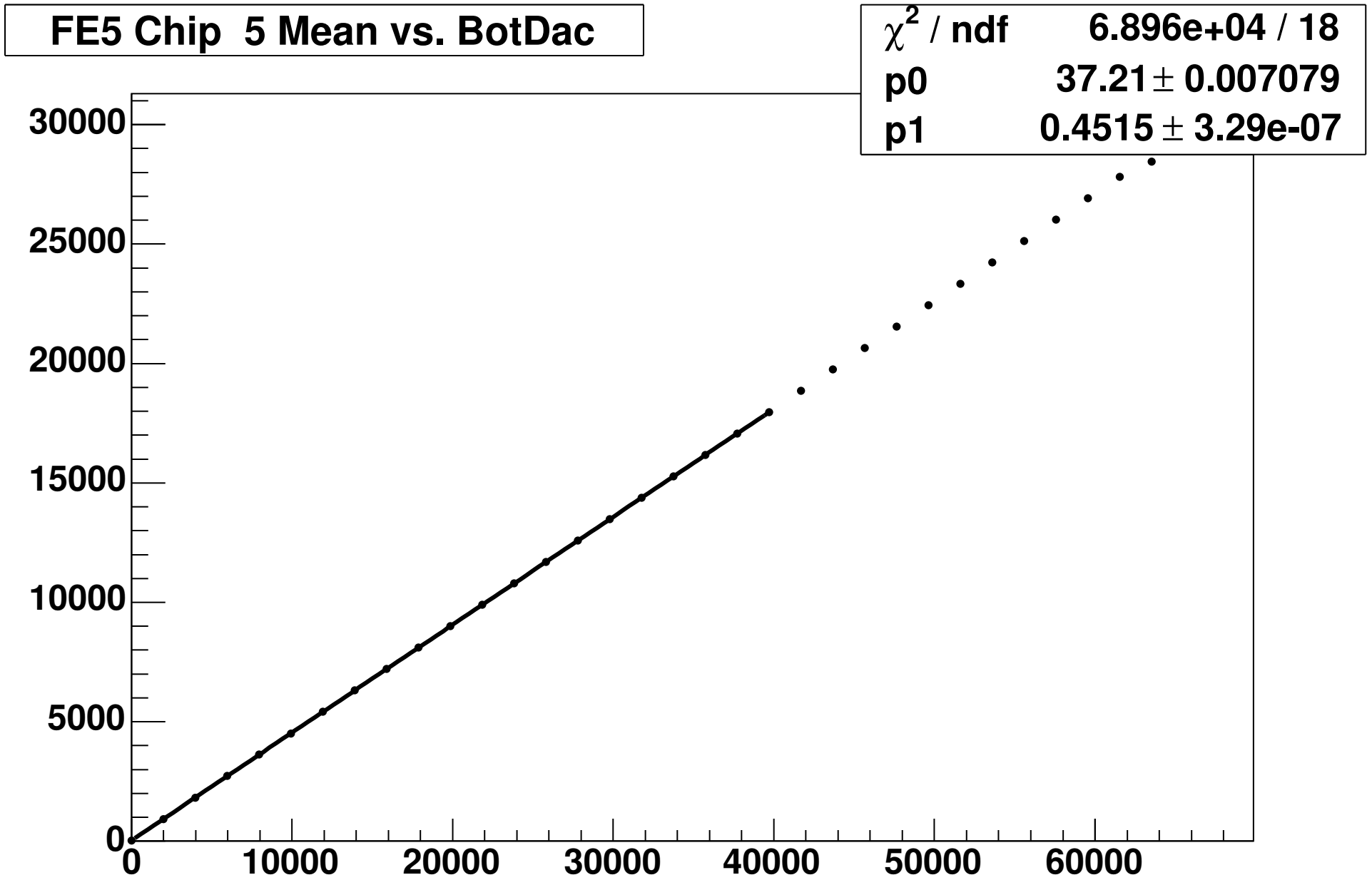
60000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 39.65 / 18
p0 35.4 ± 0.007288
p1 -2.43e-07 ± 3.065e-07
35.55
35.5
35.45
35.4
35.35
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 23.78 / 18
p0 1.475 ± 0.003851
p1 5.595e-07 ± 1.369e-05
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ^2 / ndf 6.896e+04 / 18
p0 37.21 ± 0.007079
p1 0.4515 ± 3.29e-07
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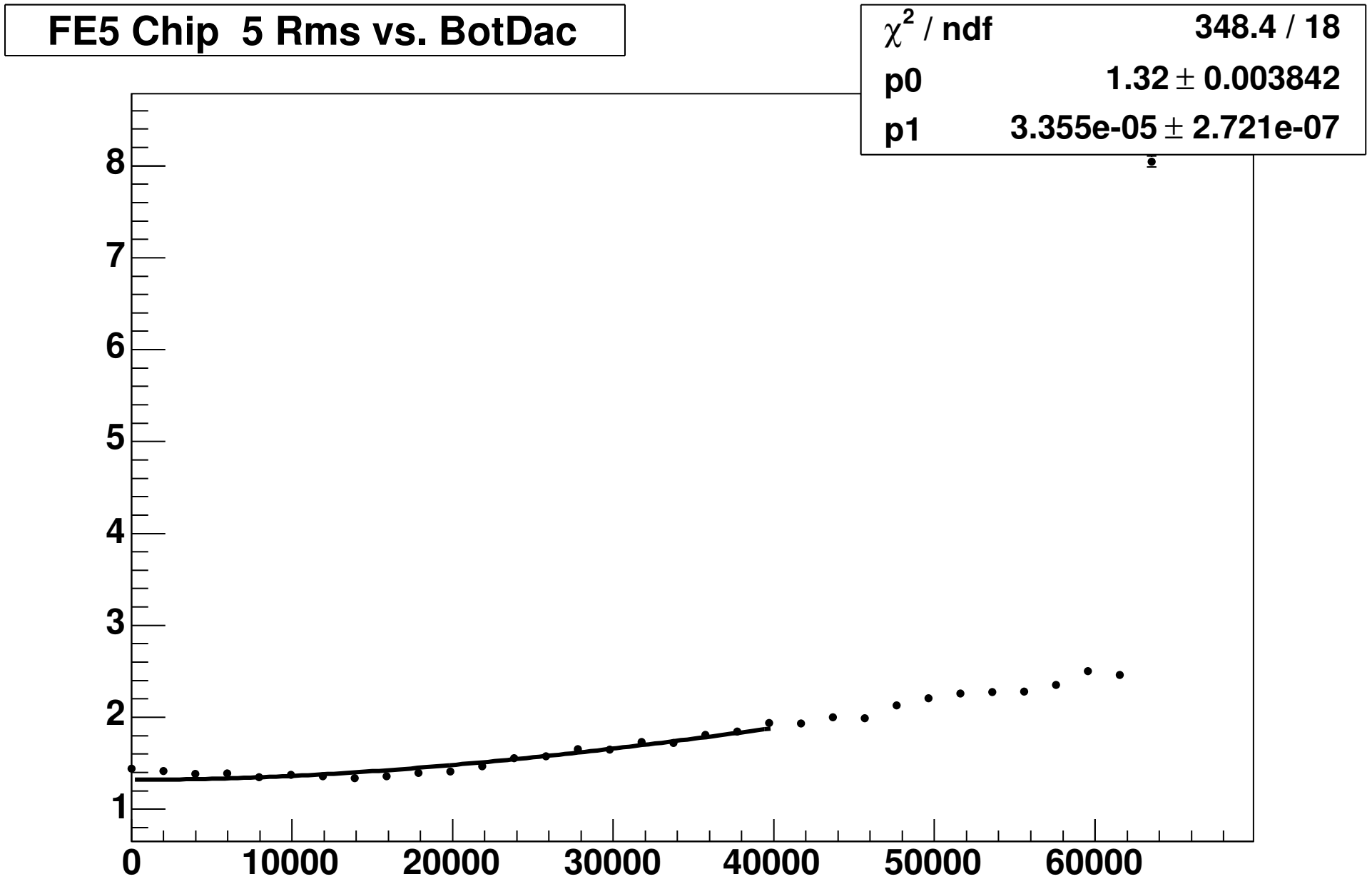
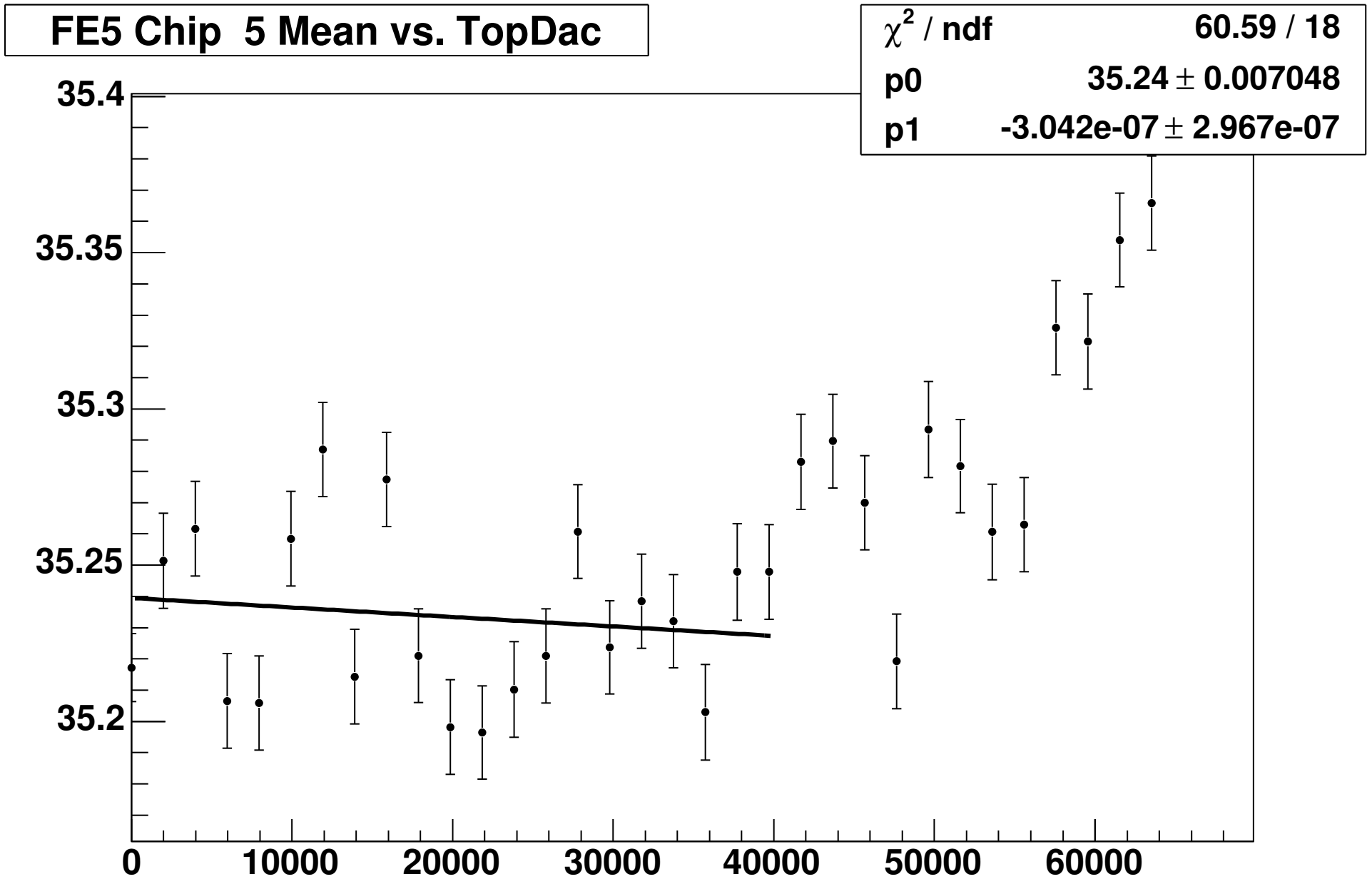
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 348.4 / 18
p0 1.32 ± 0.003842
p1 3.355e-05 ± 2.721e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 60.59 / 18
p0 35.24 ± 0.007048
p1 -3.042e-07 ± 2.967e-07
35.4
35.35
35.3
35.25
35.2
0
10000
20000
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40000
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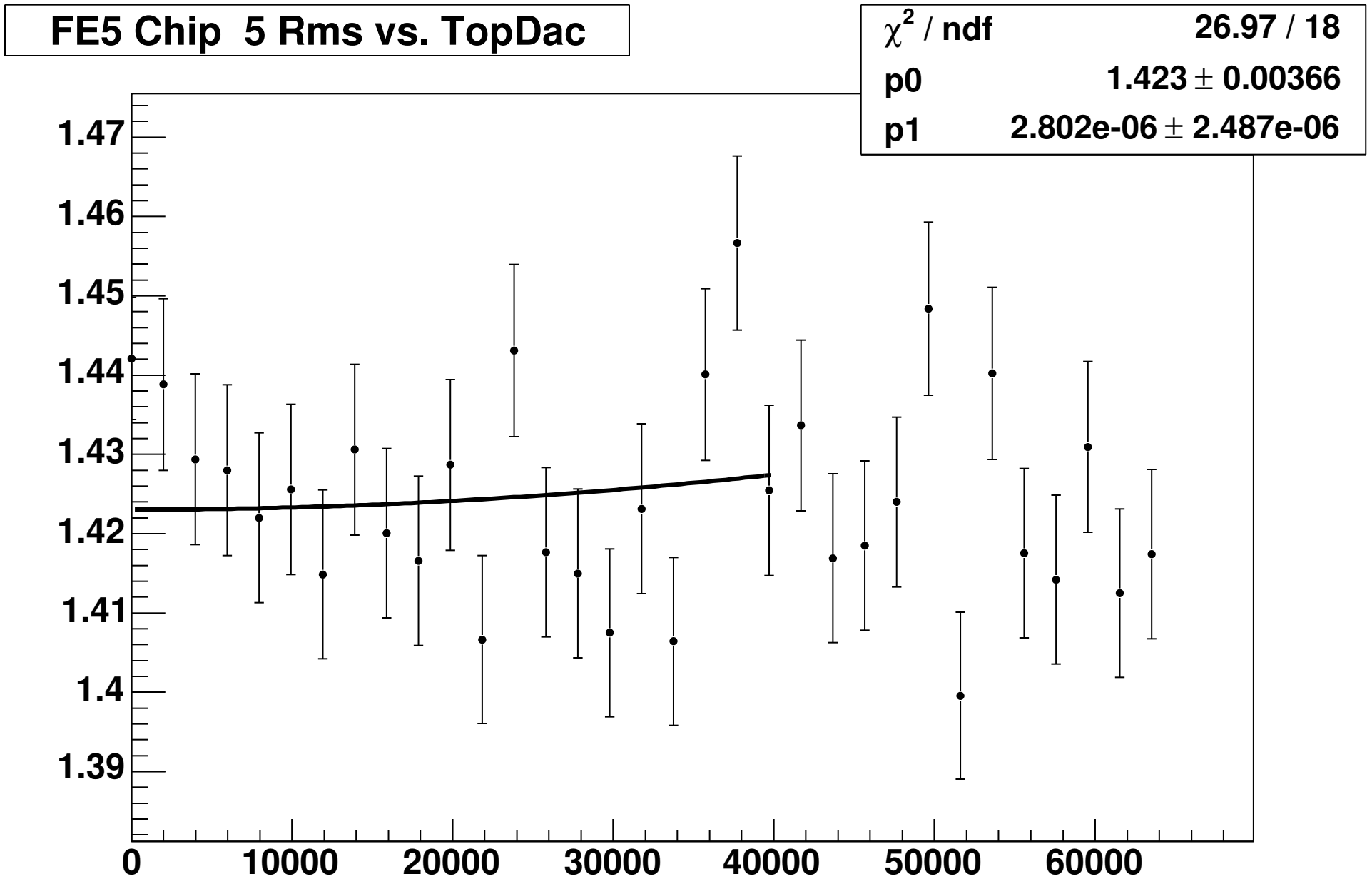
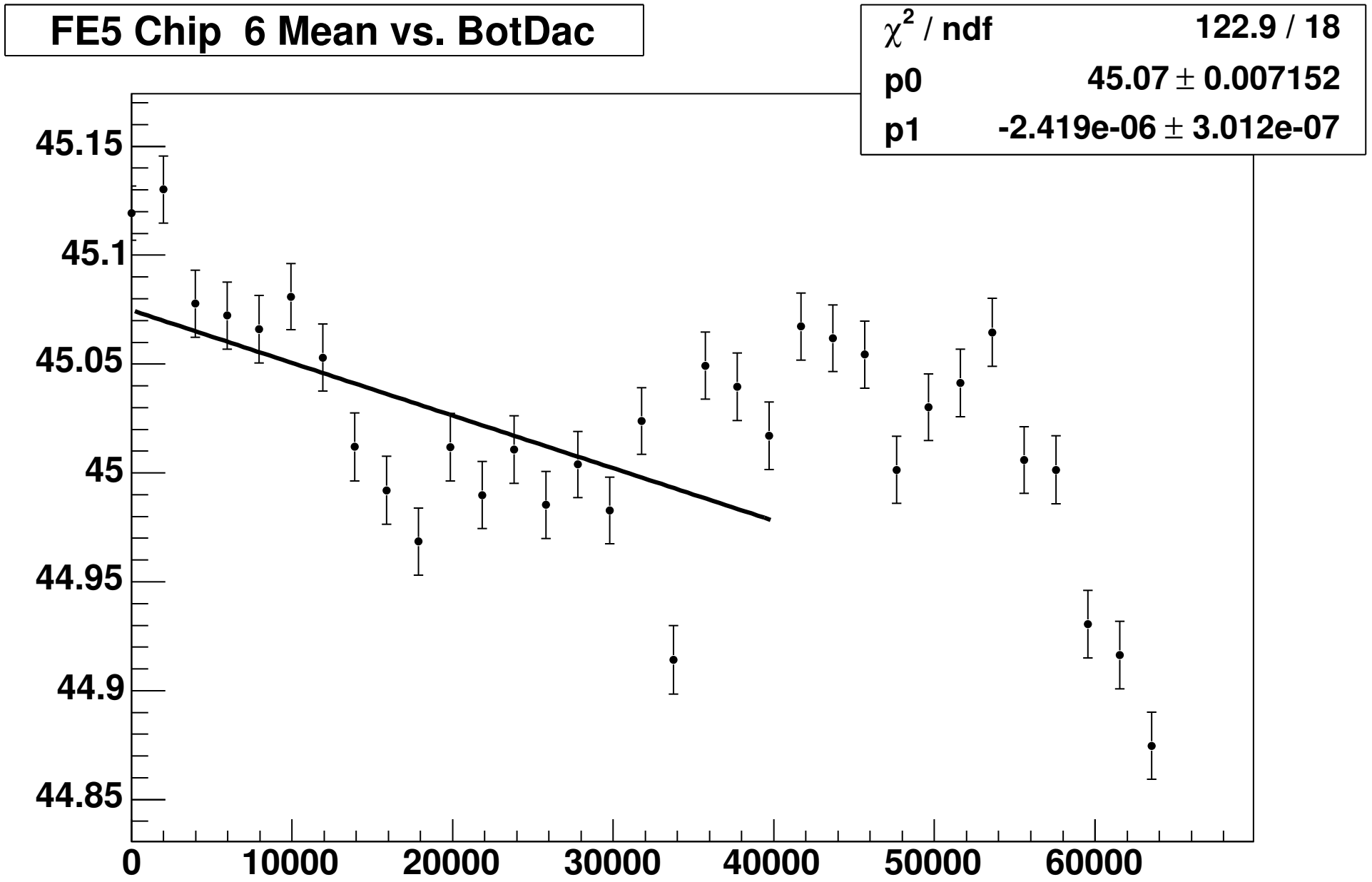
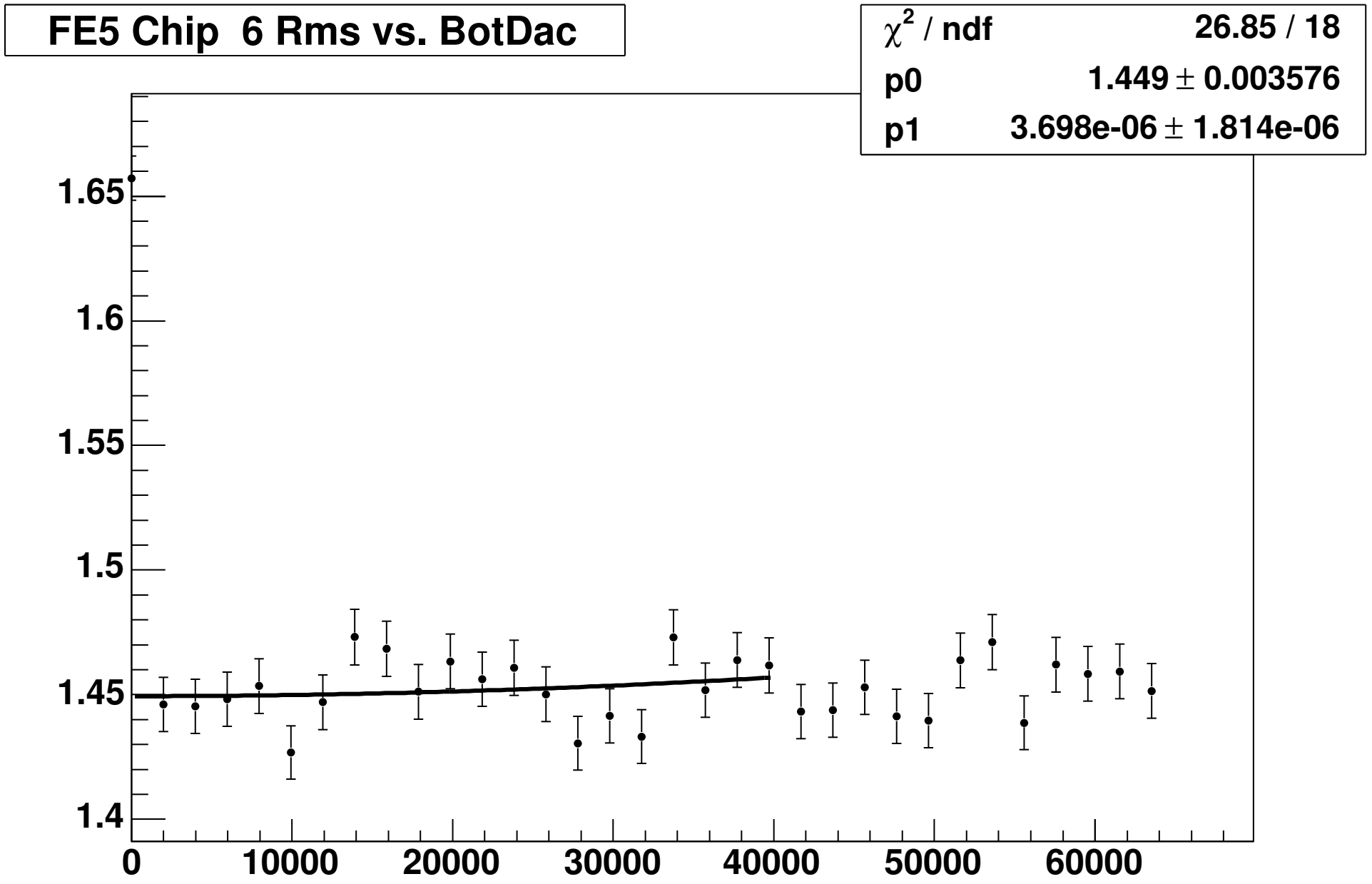
60000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 26.97 / 18
p0 1.423 ± 0.00366
p1 2.802e-06 ± 2.487e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 122.9 / 18
p0 45.07 ± 0.007152
p1 -2.419e-06 ± 3.012e-07
45.15
45.1
45.05
45
44.95
44.9
44.85
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 26.85 / 18
p0 1.449 ± 0.003576
p1 3.698e-06 ± 1.814e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
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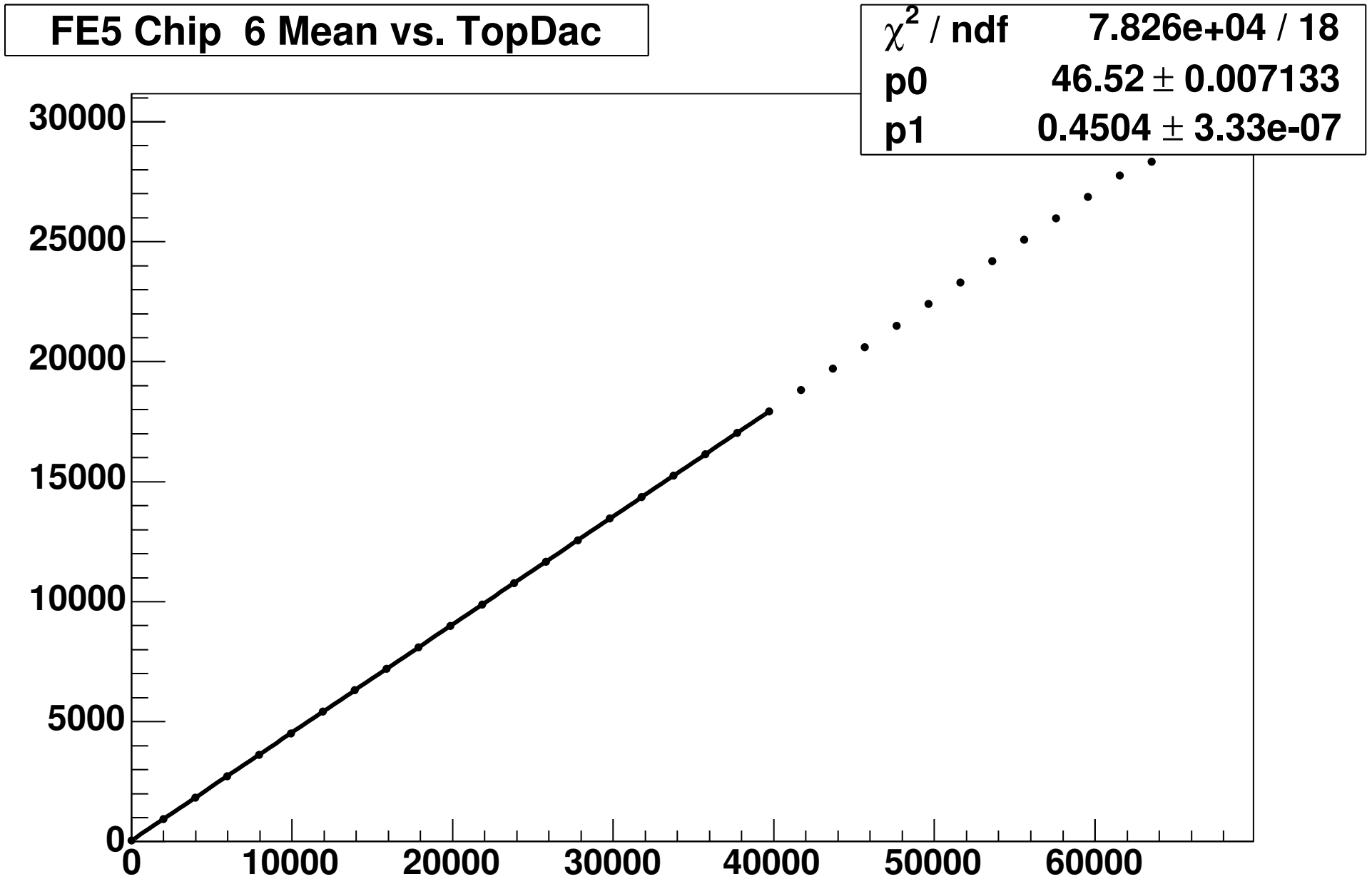
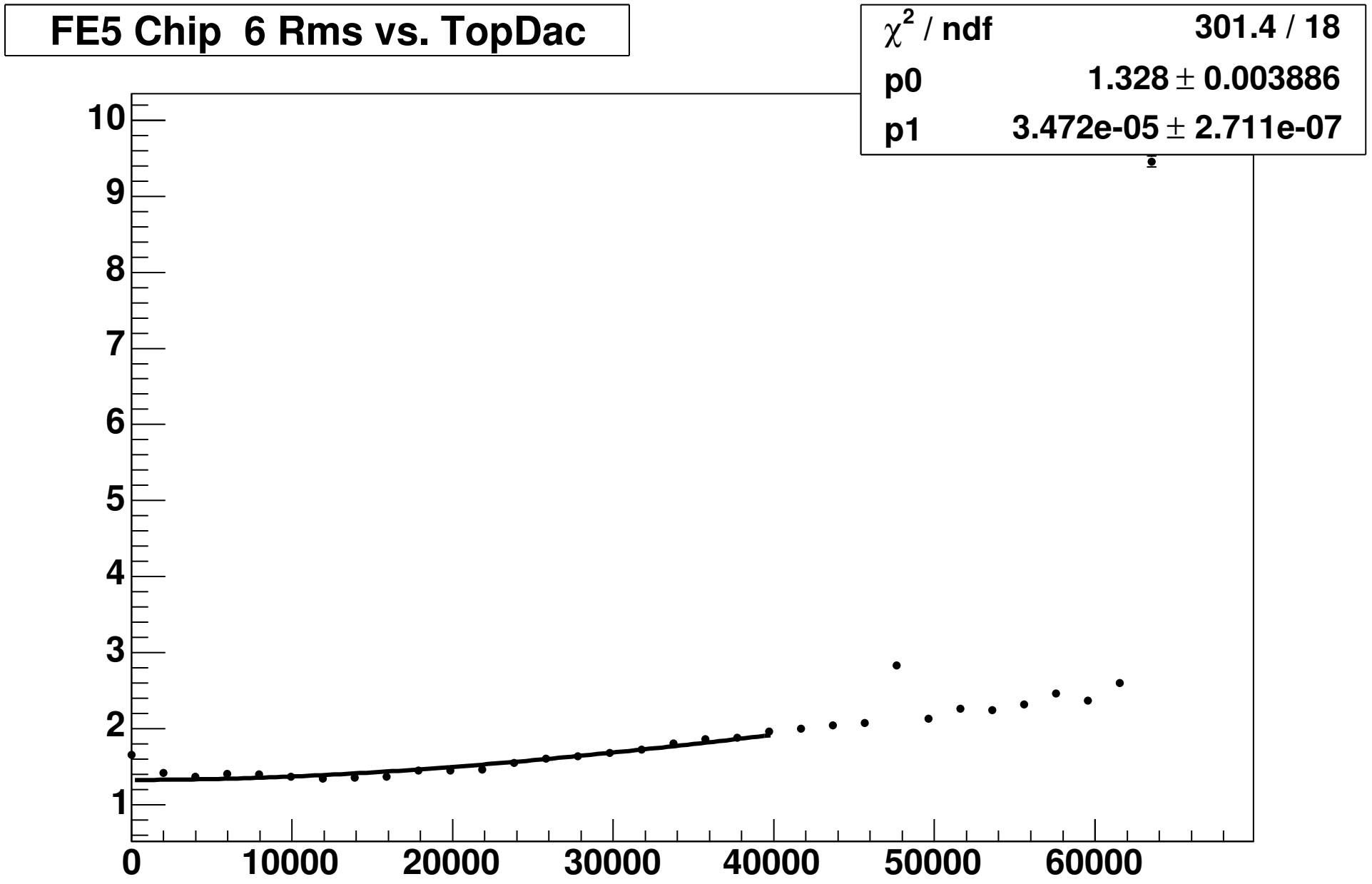
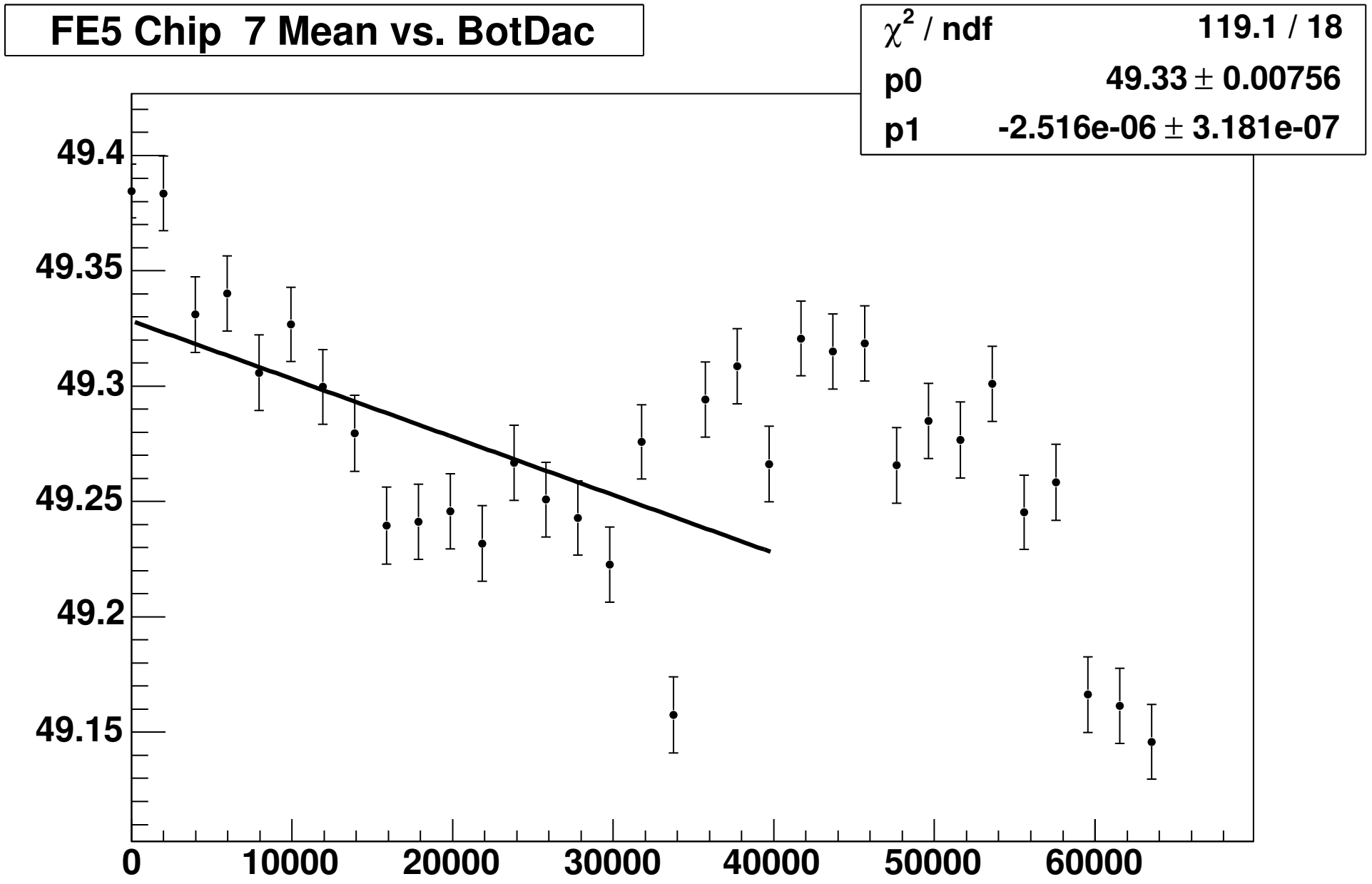
50000
60000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.826e+04 / 18
p0 46.52 ± 0.007133
p1 0.4504 ± 3.33e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 301.4 / 18
p0 1.328 ± 0.003886
p1 3.472e-05 ± 2.711e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Mean vs. BotDac
χ^2 / ndf 119.1 / 18
p0 49.33 ± 0.00756
p1 -2.516e-06 ± 3.181e-07
49.4
49.35
49.3
49.25
49.2
49.15
0
10000
20000
30000
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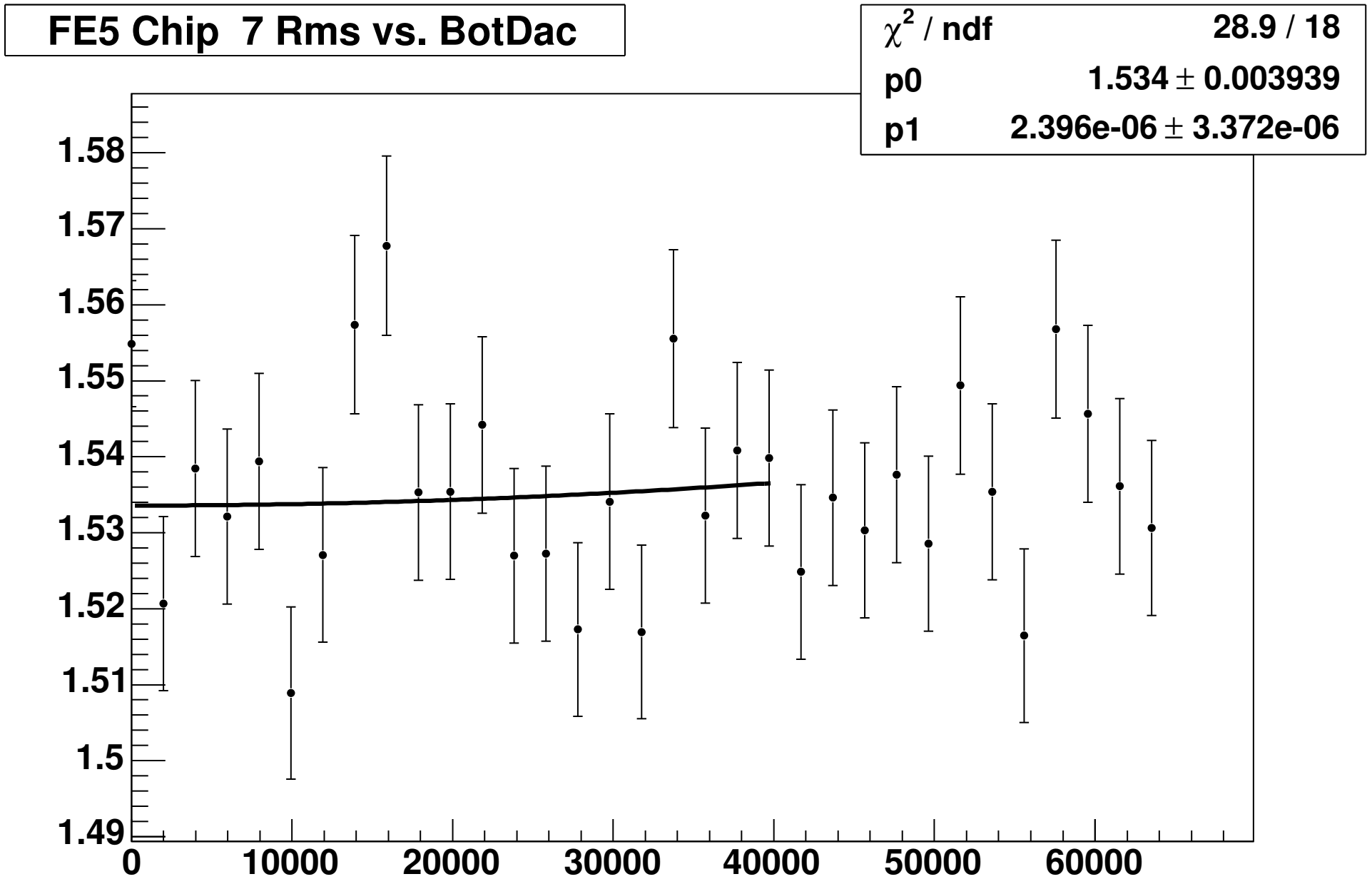
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 28.9 / 18
p0 1.534 ± 0.003939
p1 2.396e-06 ± 3.372e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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50000
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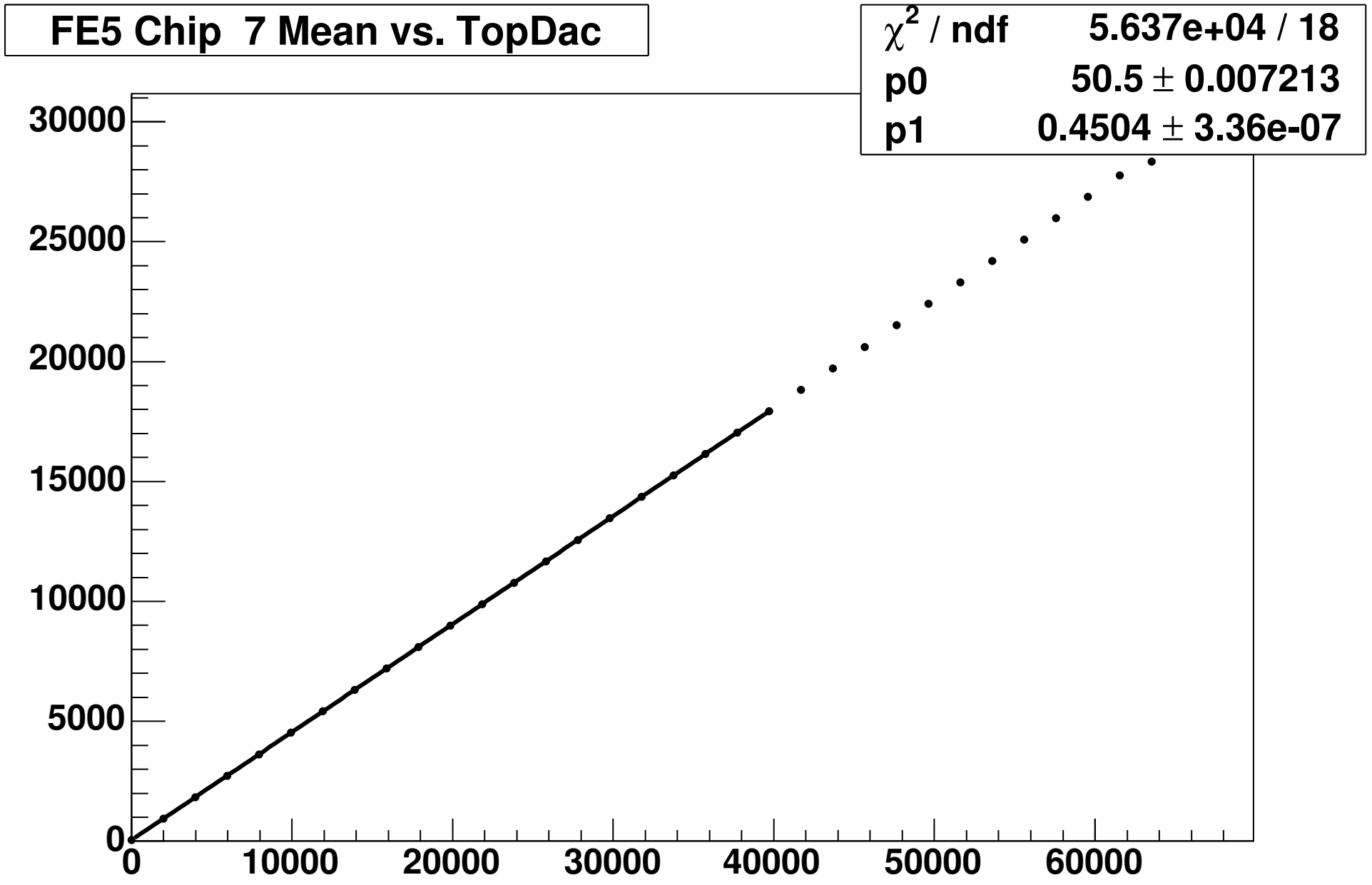
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 5.637e+04 / 18
p0 50.5 ± 0.007213
p1 0.4504 ± 3.36e-07
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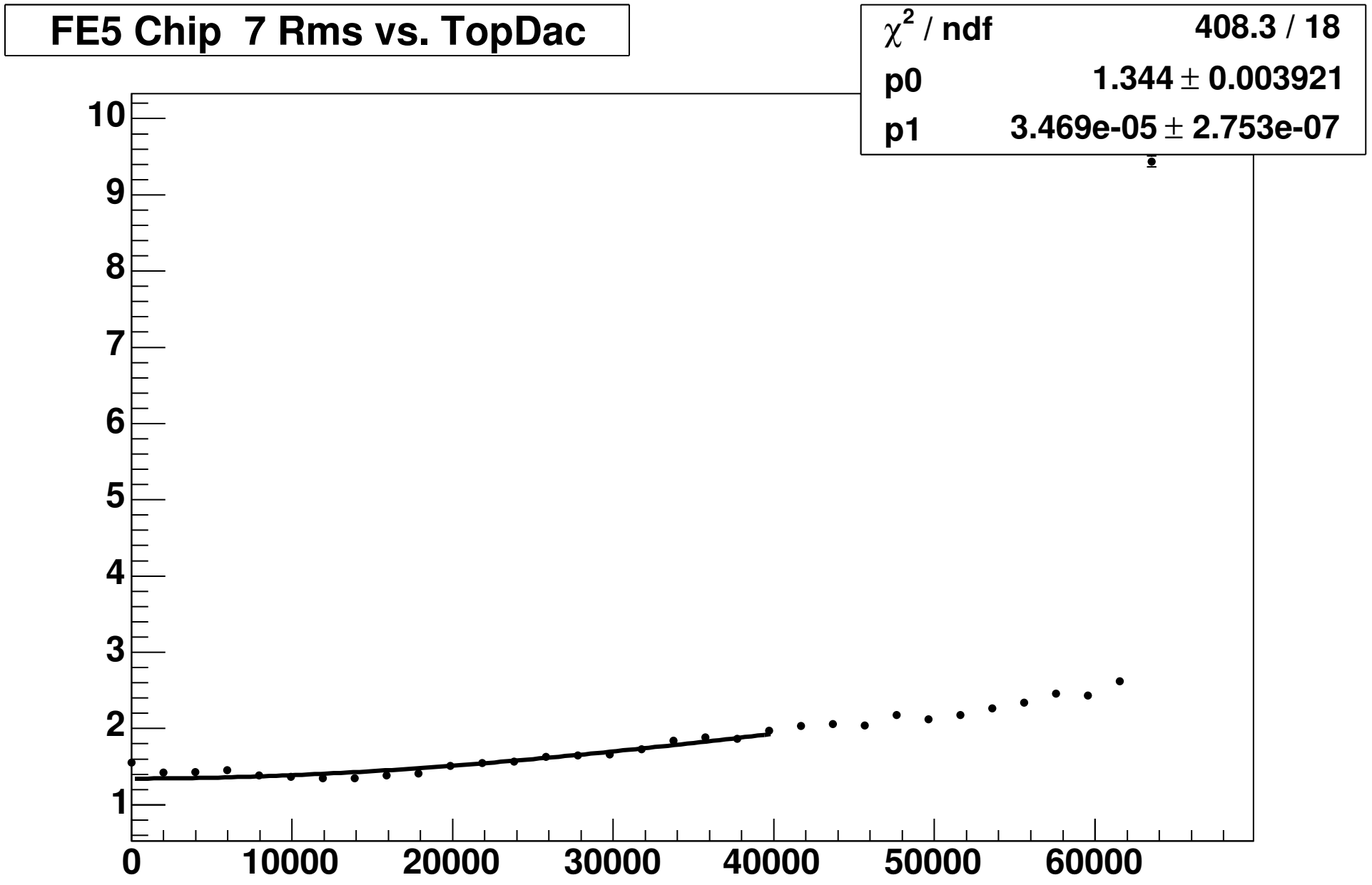
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 408.3 / 18
p0 1.344 ± 0.003921
p1 3.469e-05 ± 2.753e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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50000
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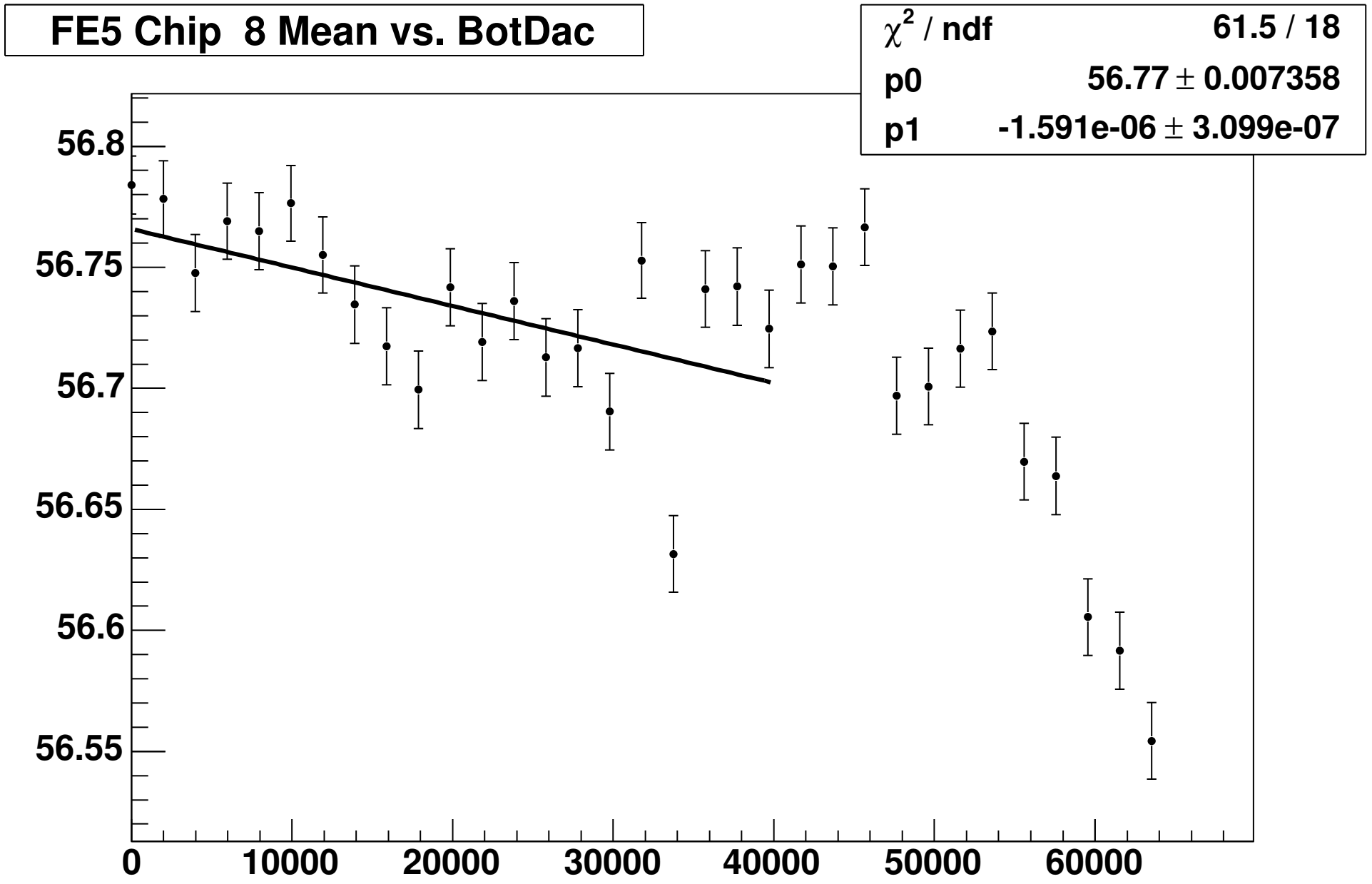
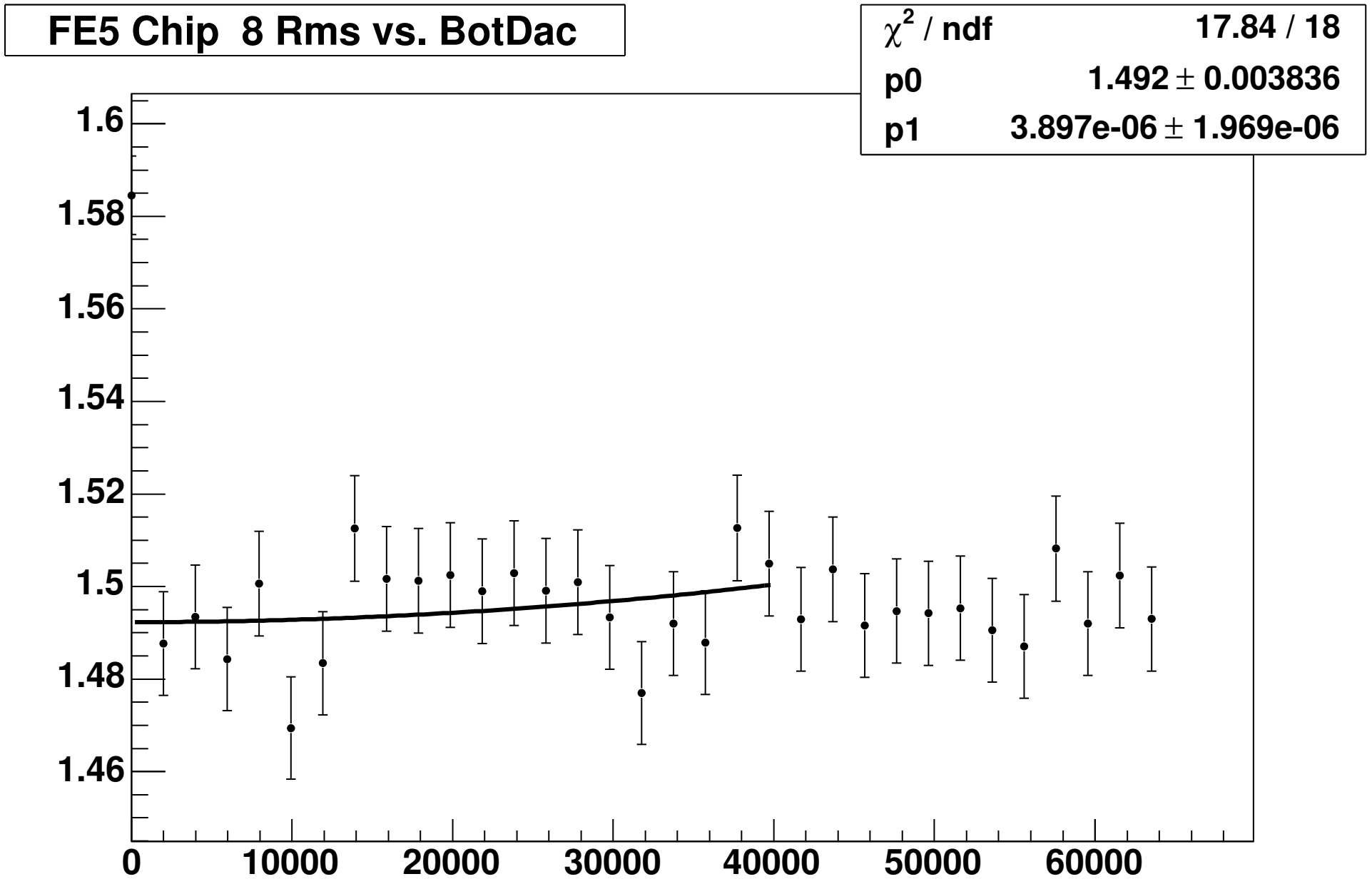
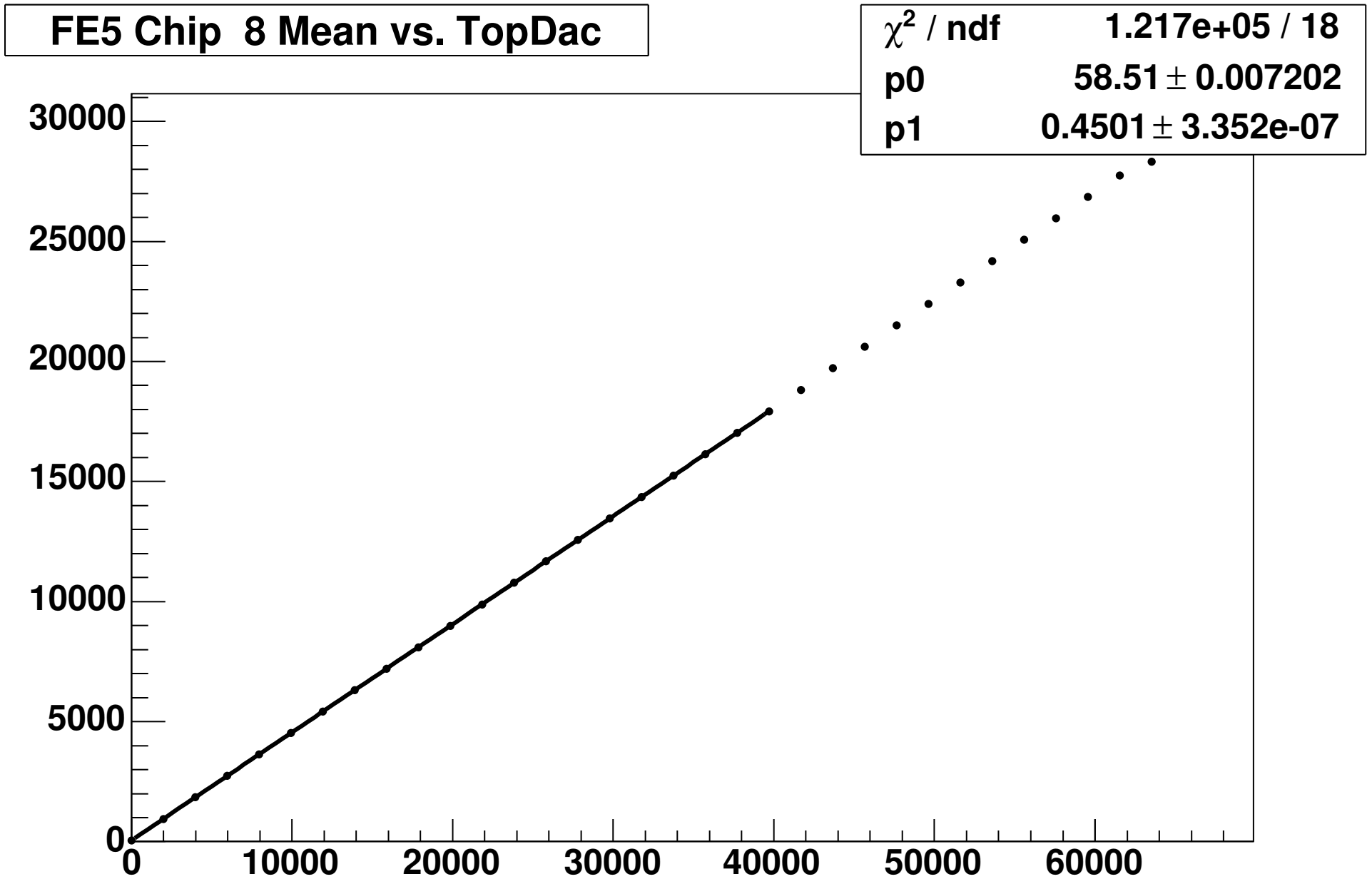
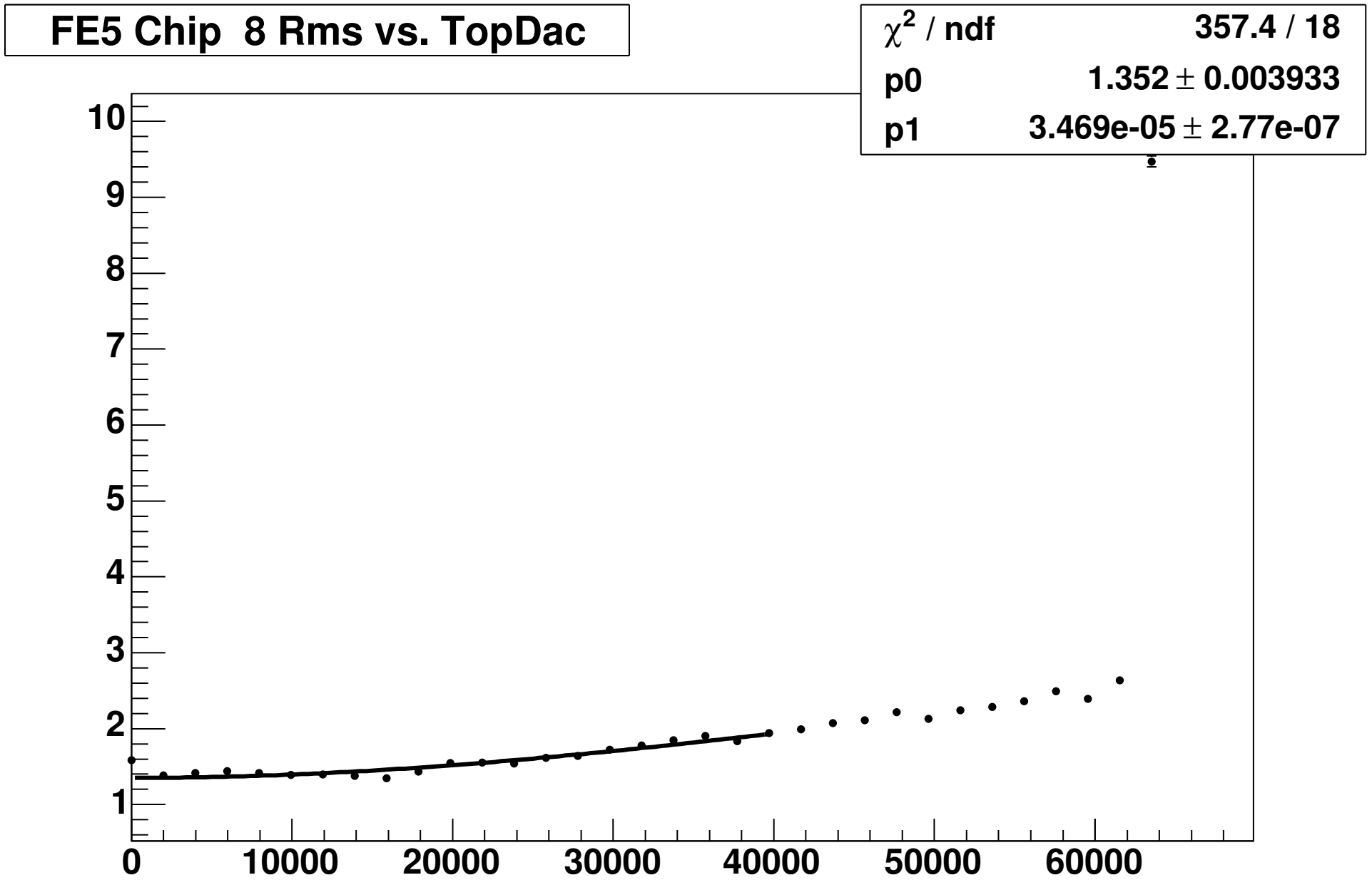
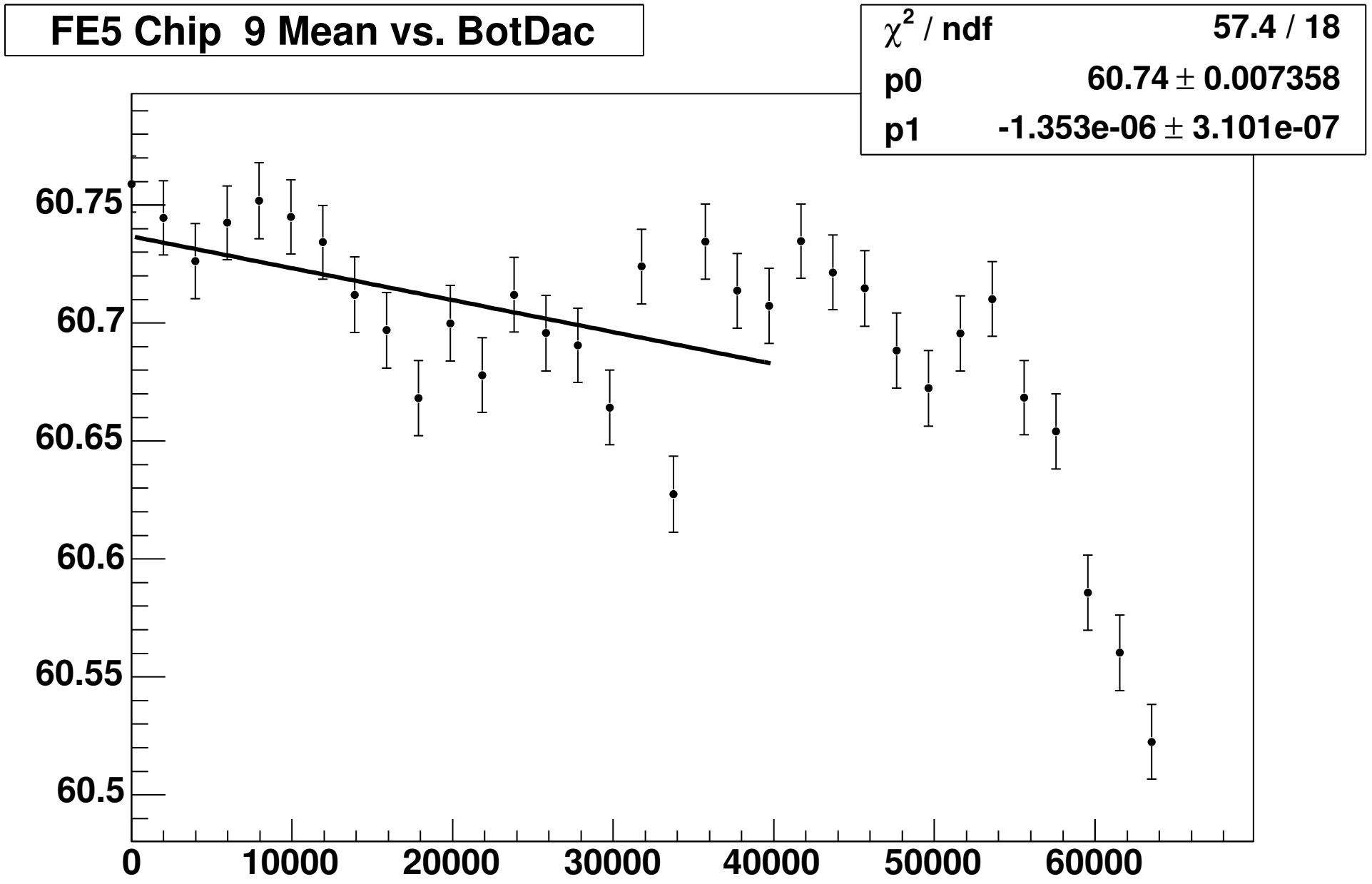
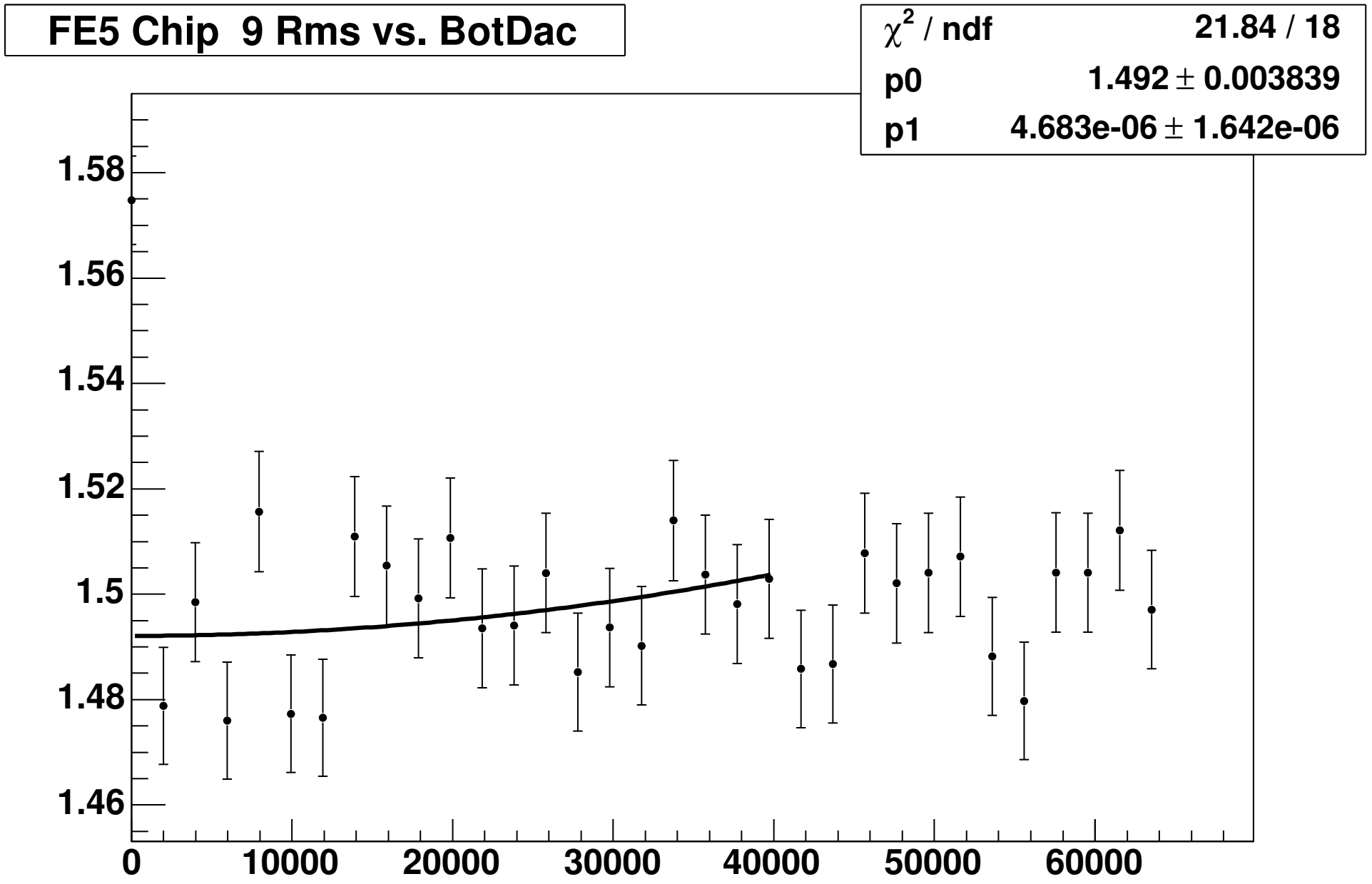

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 61.5 / 18
p0 56.77 ± 0.007358
p1 -1.591e-06 ± 3.099e-07
56.8
56.75
56.7
56.65
56.6
56.55
0
10000
20000
30000
40000
50000
60000

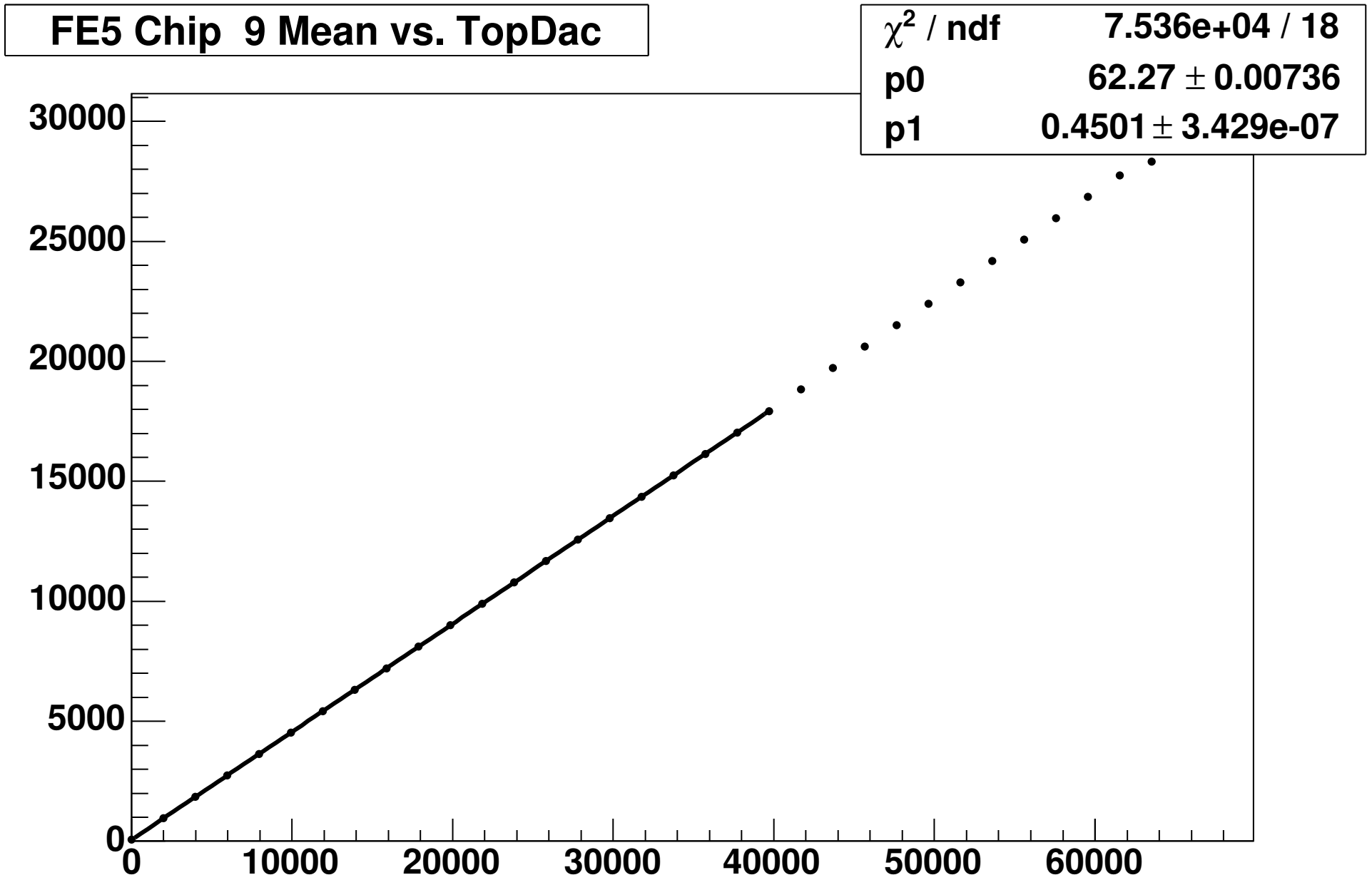

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 17.84 / 18
p0 1.492 ± 0.003836
p1 3.897e-06 ± 1.969e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

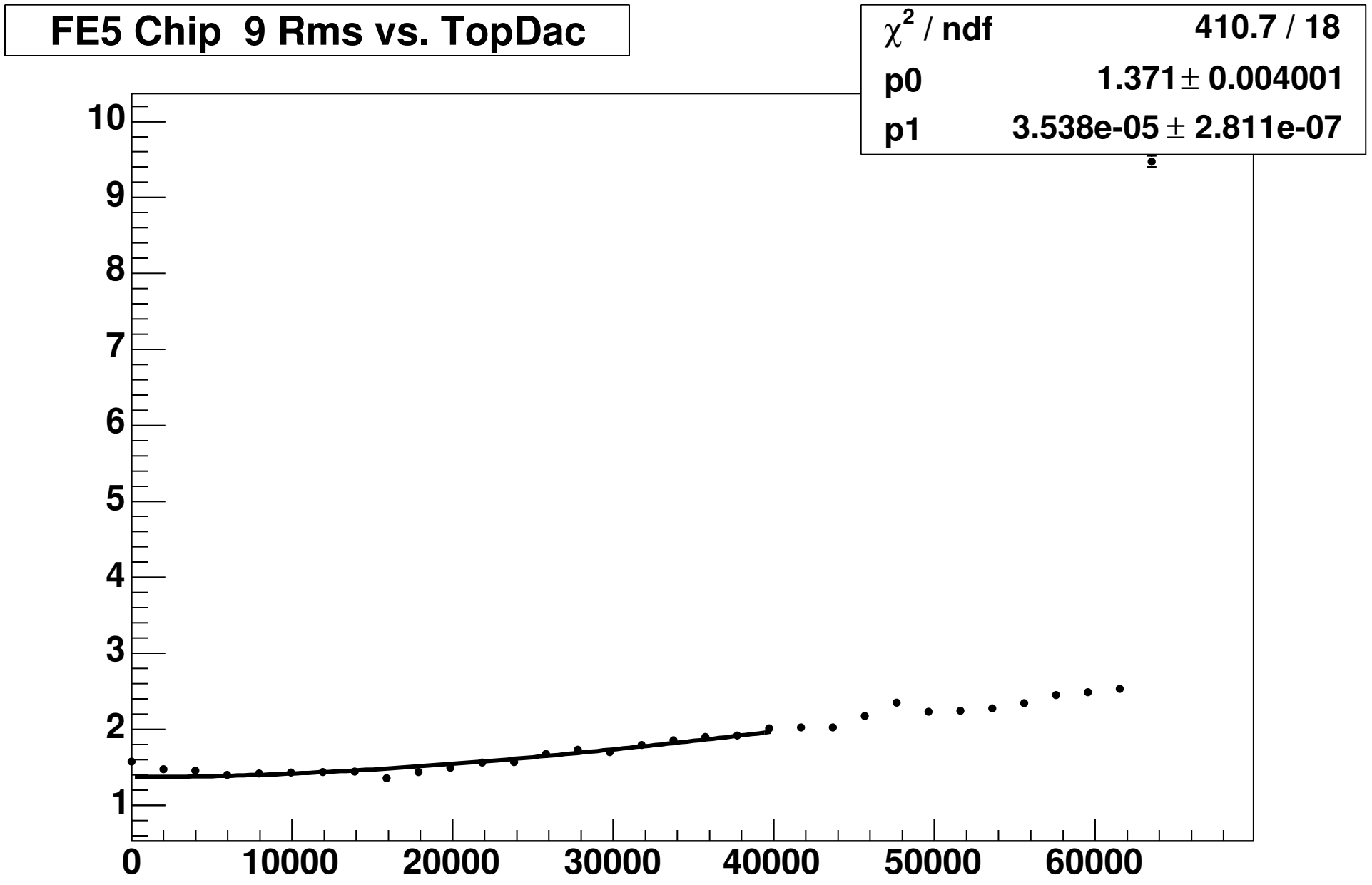

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.217e+05 / 18
p0 58.51 ± 0.007202
p1 0.4501 ± 3.352e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

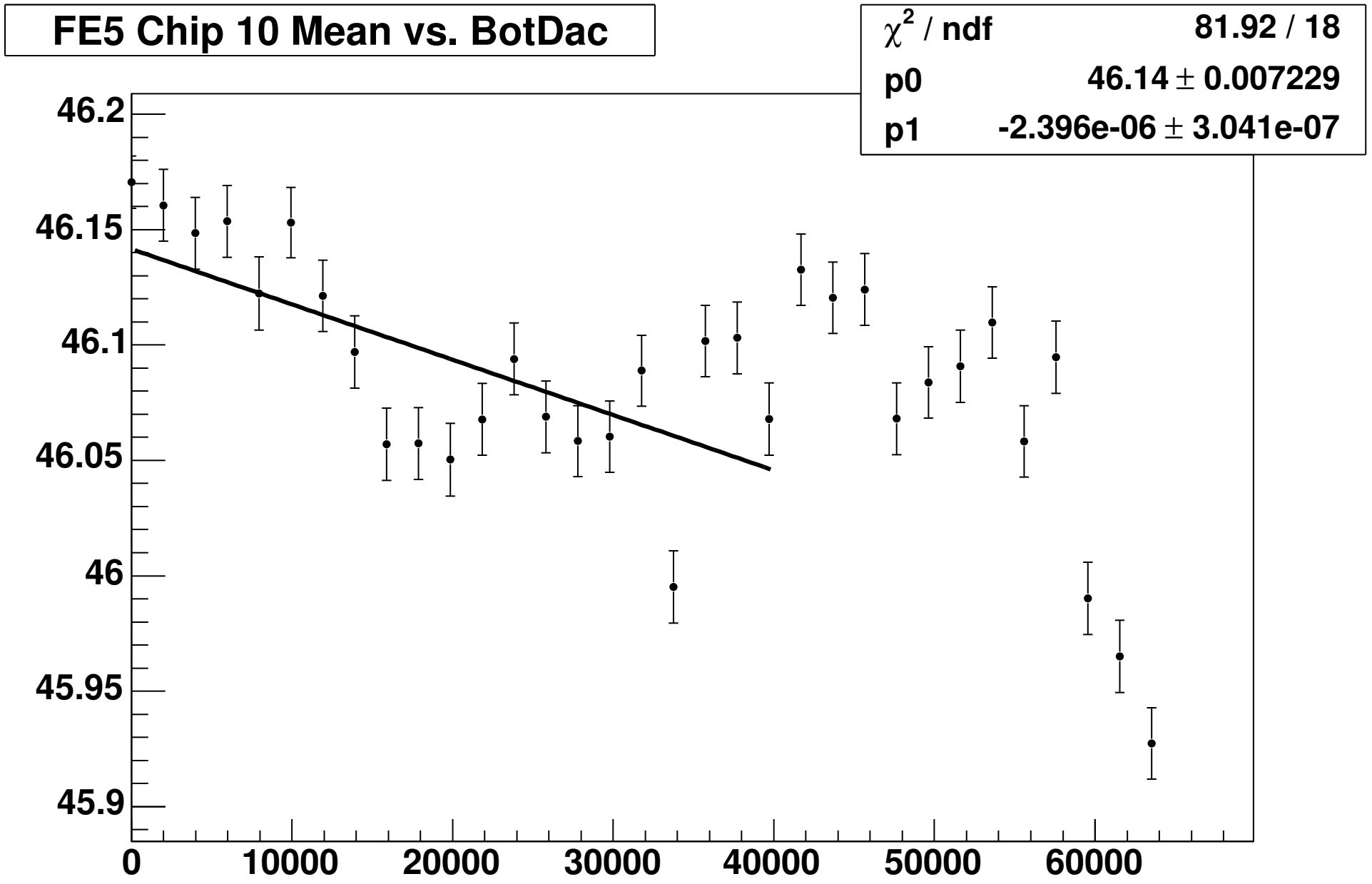

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 357.4 / 18
p0 1.352 ± 0.003933
p1 3.469e-05 ± 2.77e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

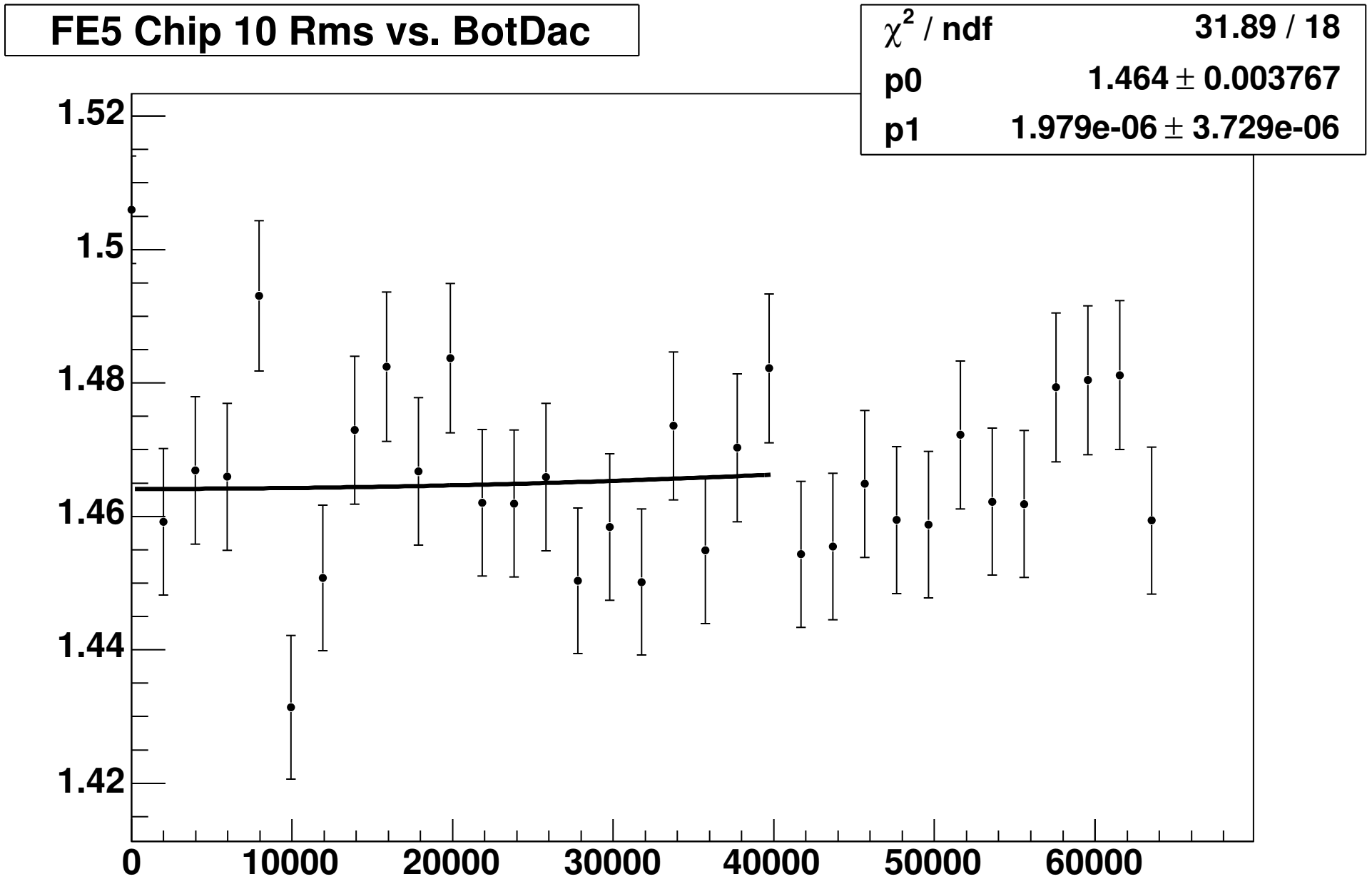

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 57.4 / 18
p0 60.74 ± 0.007358
p1 -1.353e-06 ± 3.101e-07
60.75
60.7
60.65
60.6
60.55
60.5
0
10000
20000
30000
40000
50000
60000

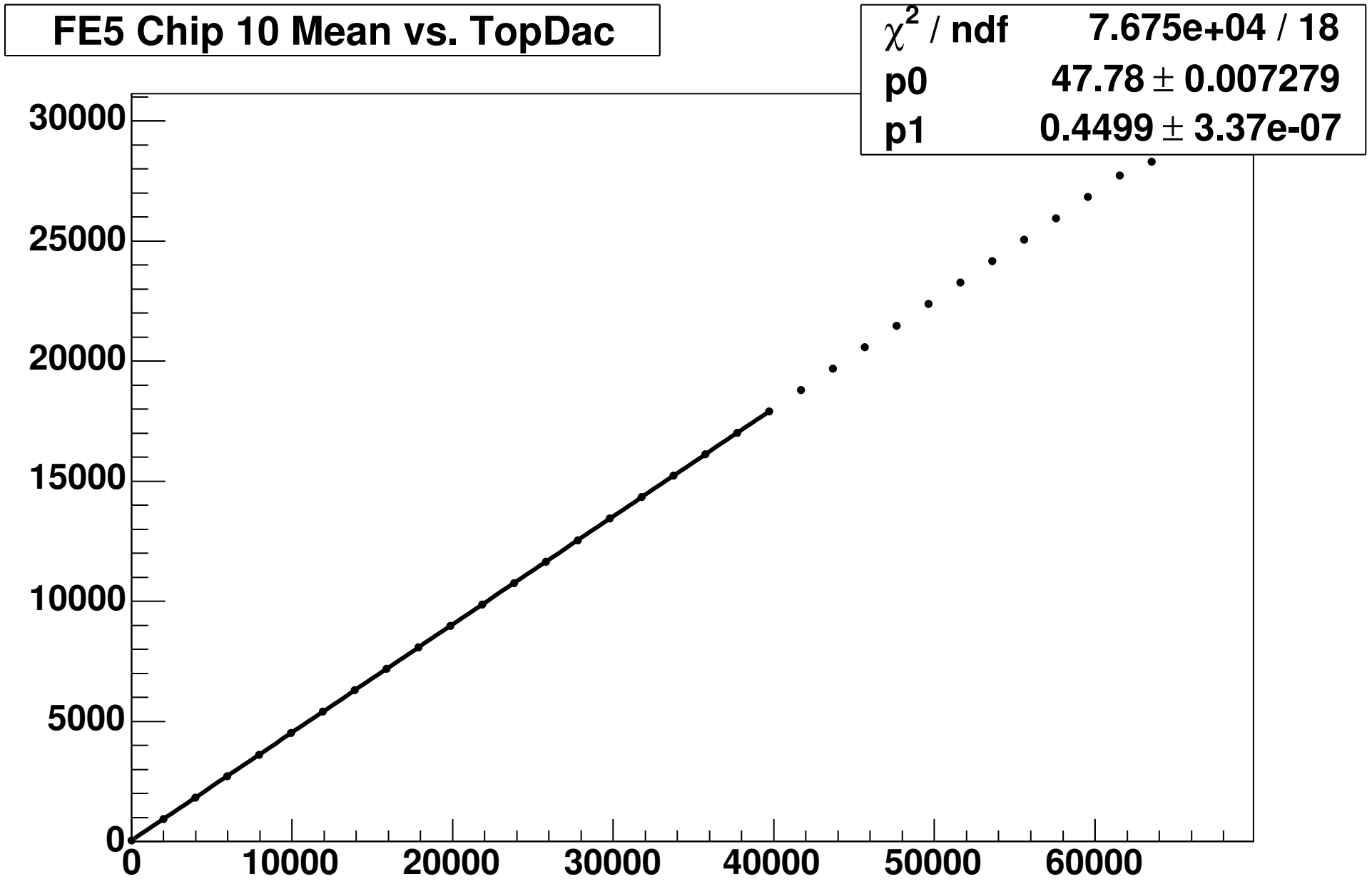

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 21.84 / 18
p0 1.492 ± 0.003839
p1 4.683e-06 ± 1.642e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 7.536e+04 / 18
p0 62.27 ± 0.00736
p1 0.4501 ± 3.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 410.7 / 18
p0 1.371 ± 0.004001
p1 3.538e-05 ± 2.811e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 81.92 / 18
p0 46.14 ± 0.007229
p1 -2.396e-06 ± 3.041e-07
46.2
46.15
46.1
46.05
46
45.95
45.9
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 31.89 / 18
p0 1.464 ± 0.003767
p1 1.979e-06 ± 3.729e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 7.675e+04 / 18
p0 47.78 ± 0.007279
p1 0.4499 ± 3.37e-07
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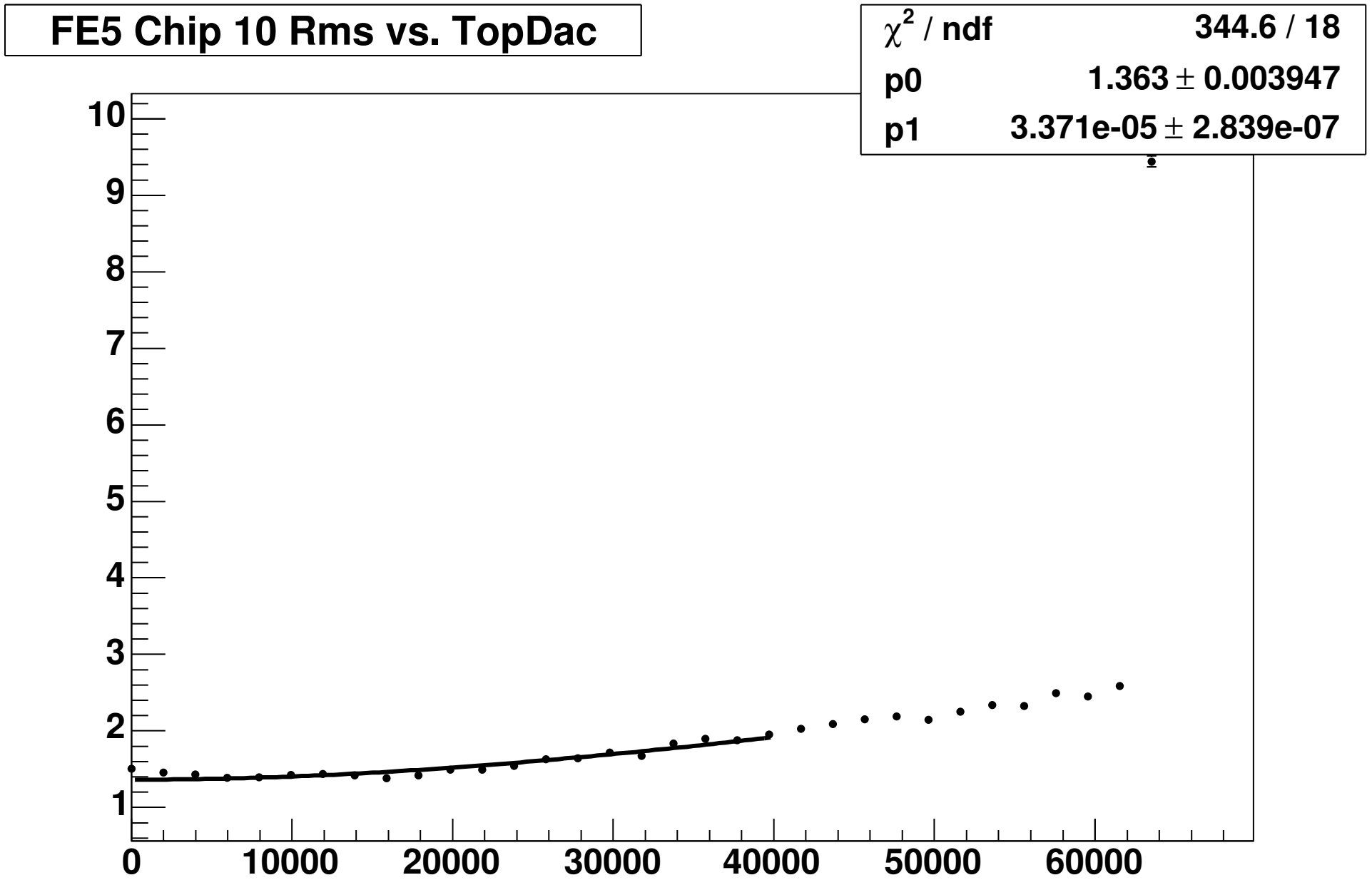
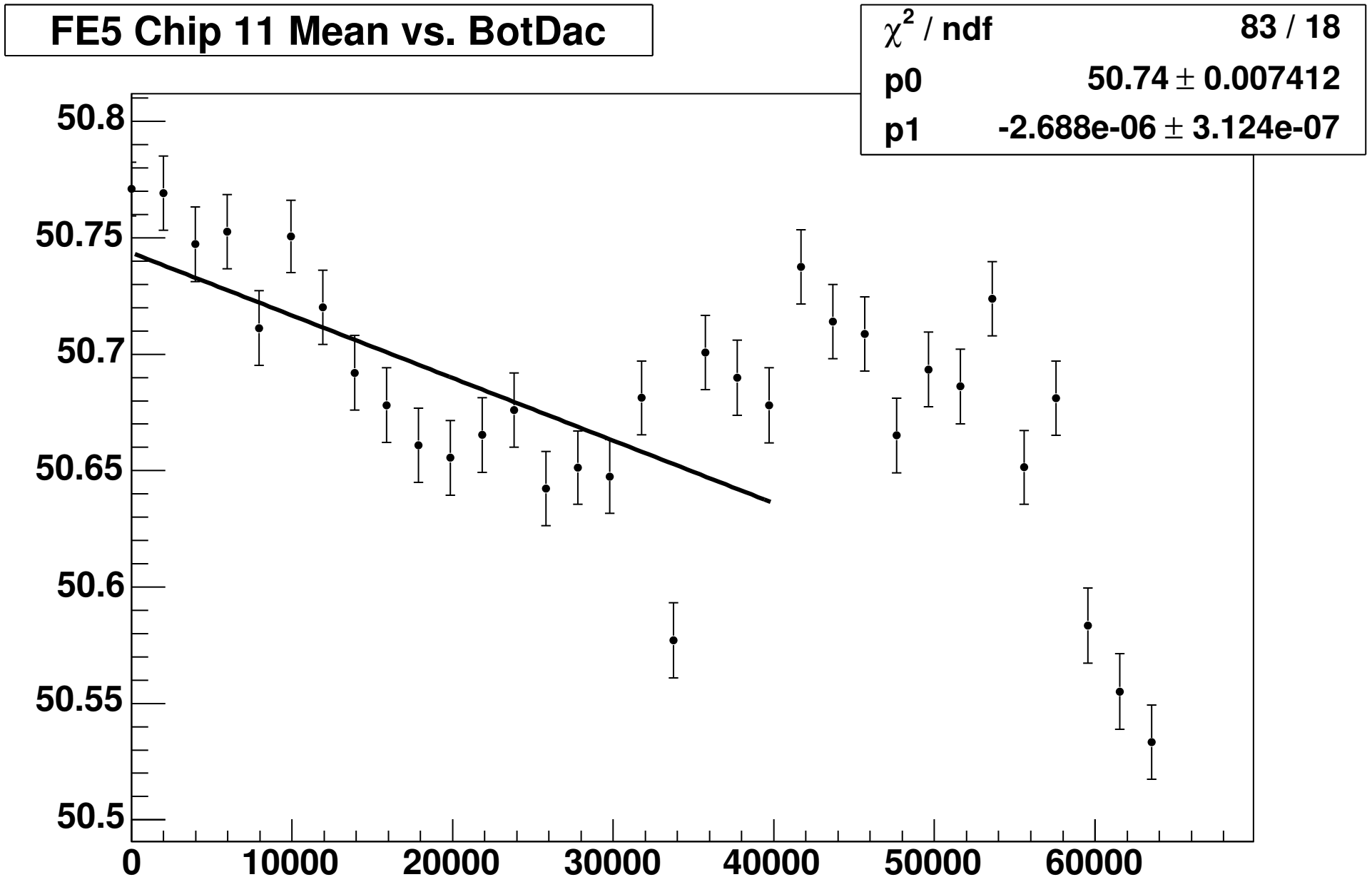
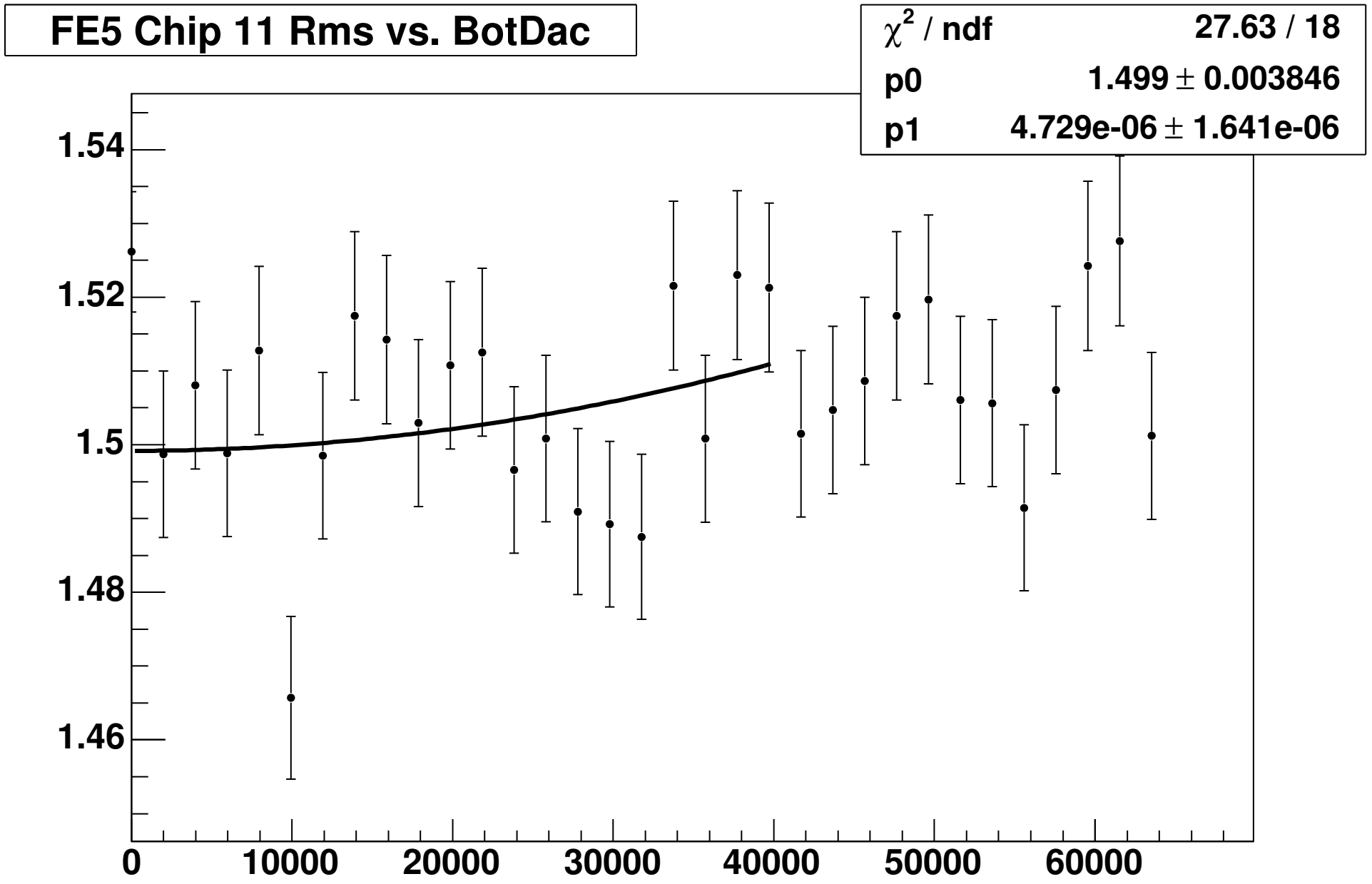
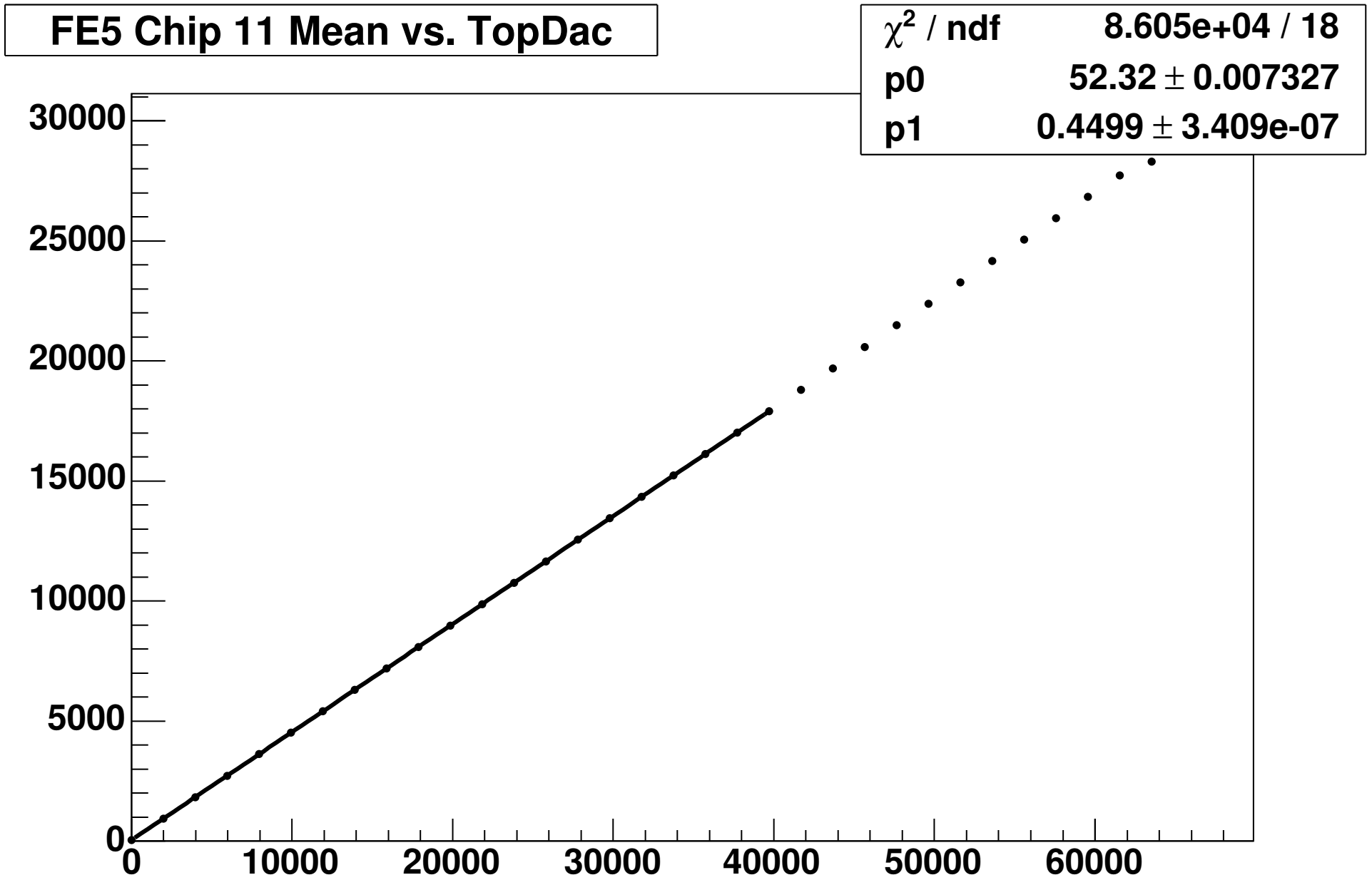
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 344.6 / 18
p0 1.363 ± 0.003947
p1 3.371e-05 ± 2.839e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 83 / 18
p0 50.74 ± 0.007412
p1 -2.688e-06 ± 3.124e-07
50.8
50.75
50.7
50.65
50.6
50.55
50.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 27.63 / 18
p0 1.499 ± 0.003846
p1 4.729e-06 ± 1.641e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 8.605e+04 / 18
p0 52.32 ± 0.007327
p1 0.4499 ± 3.409e-07
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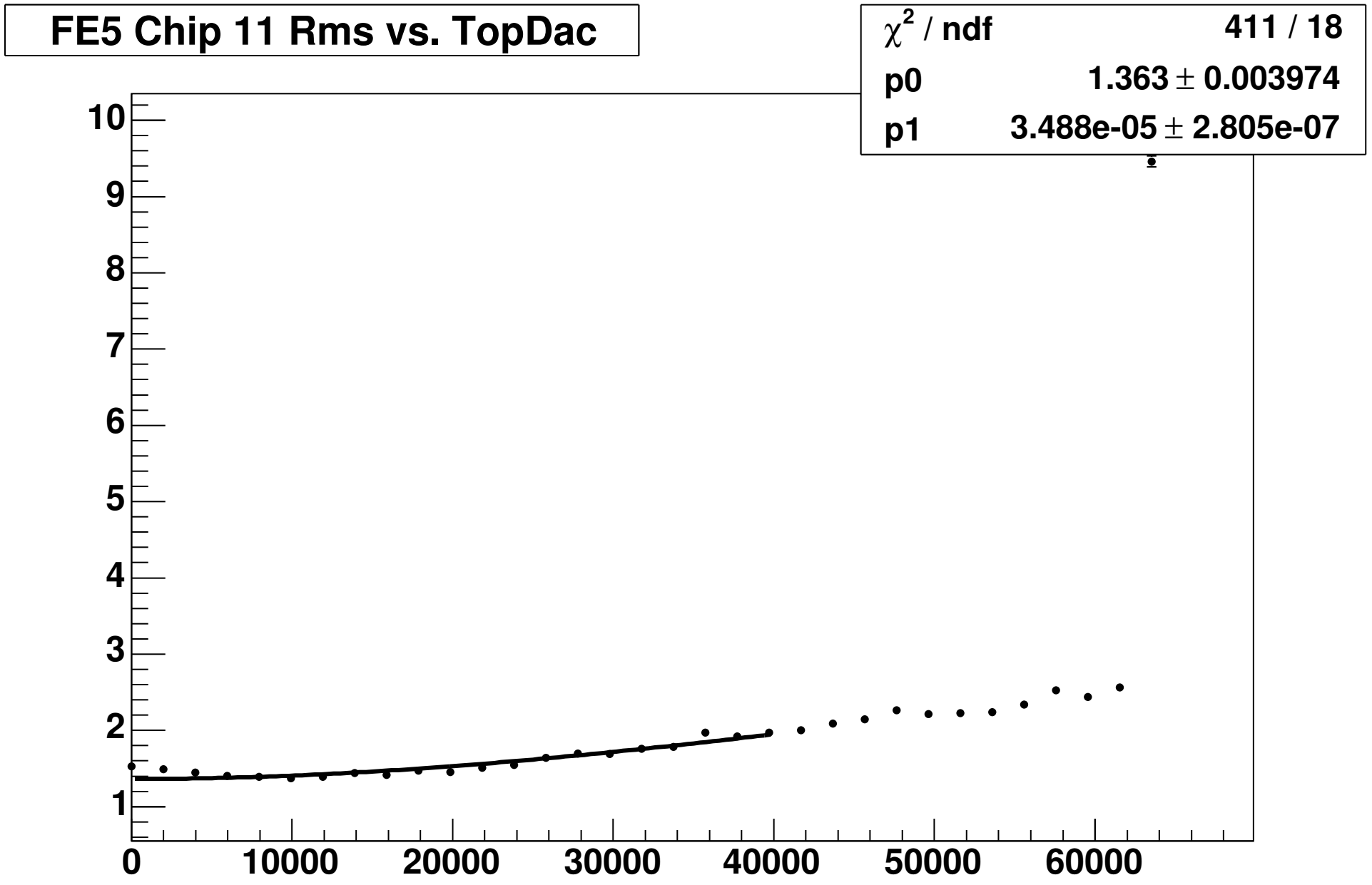
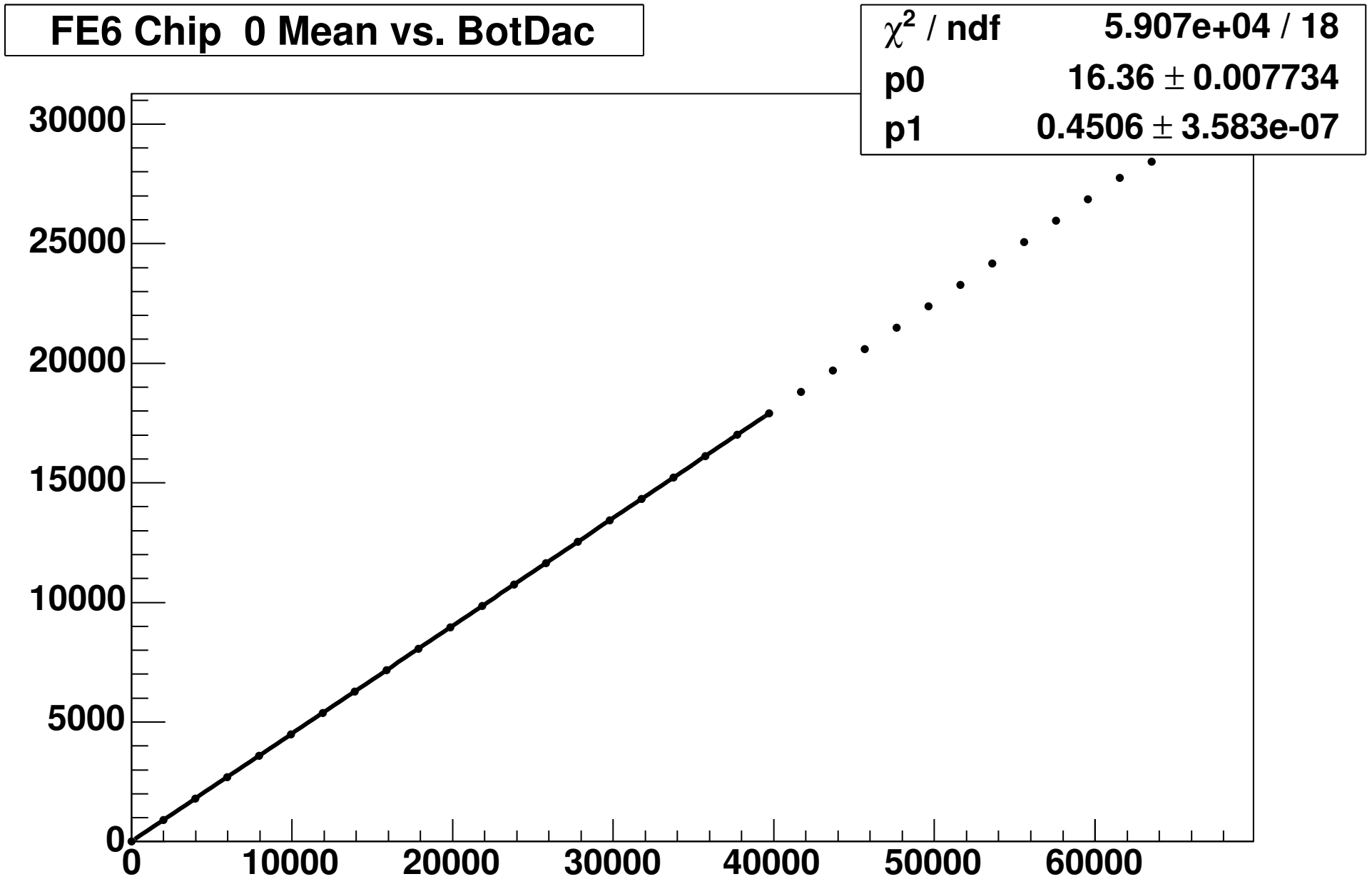
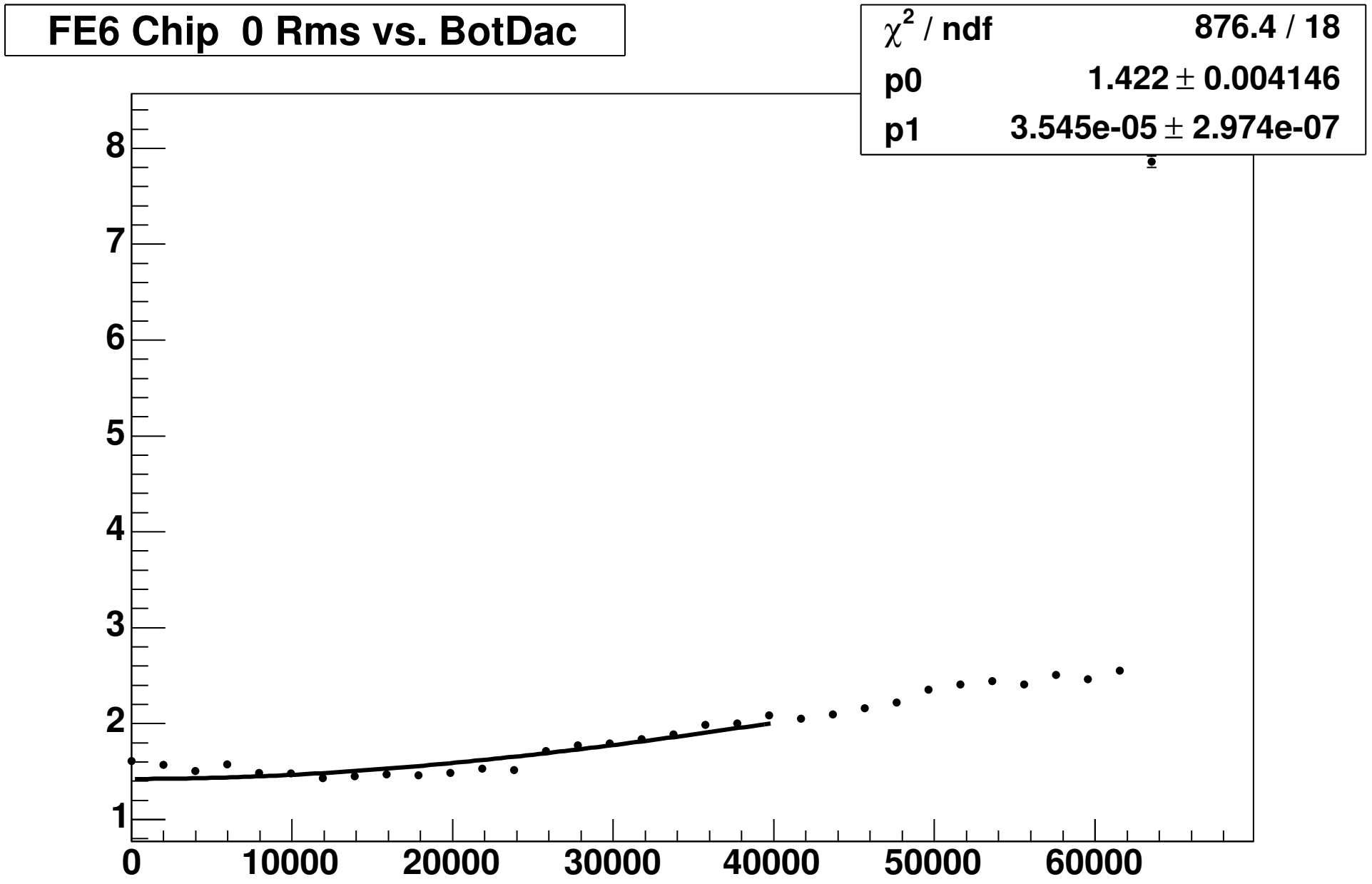
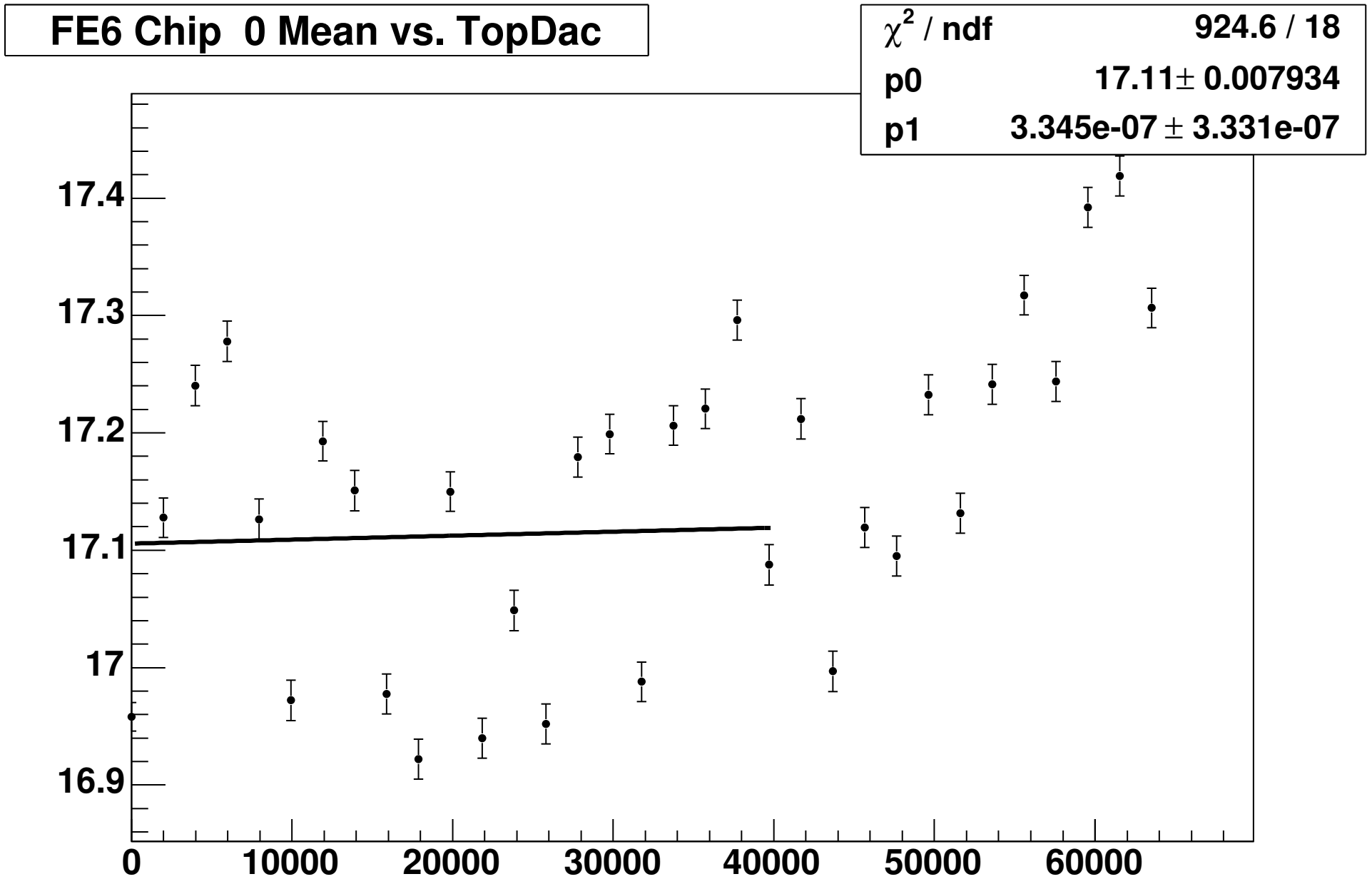
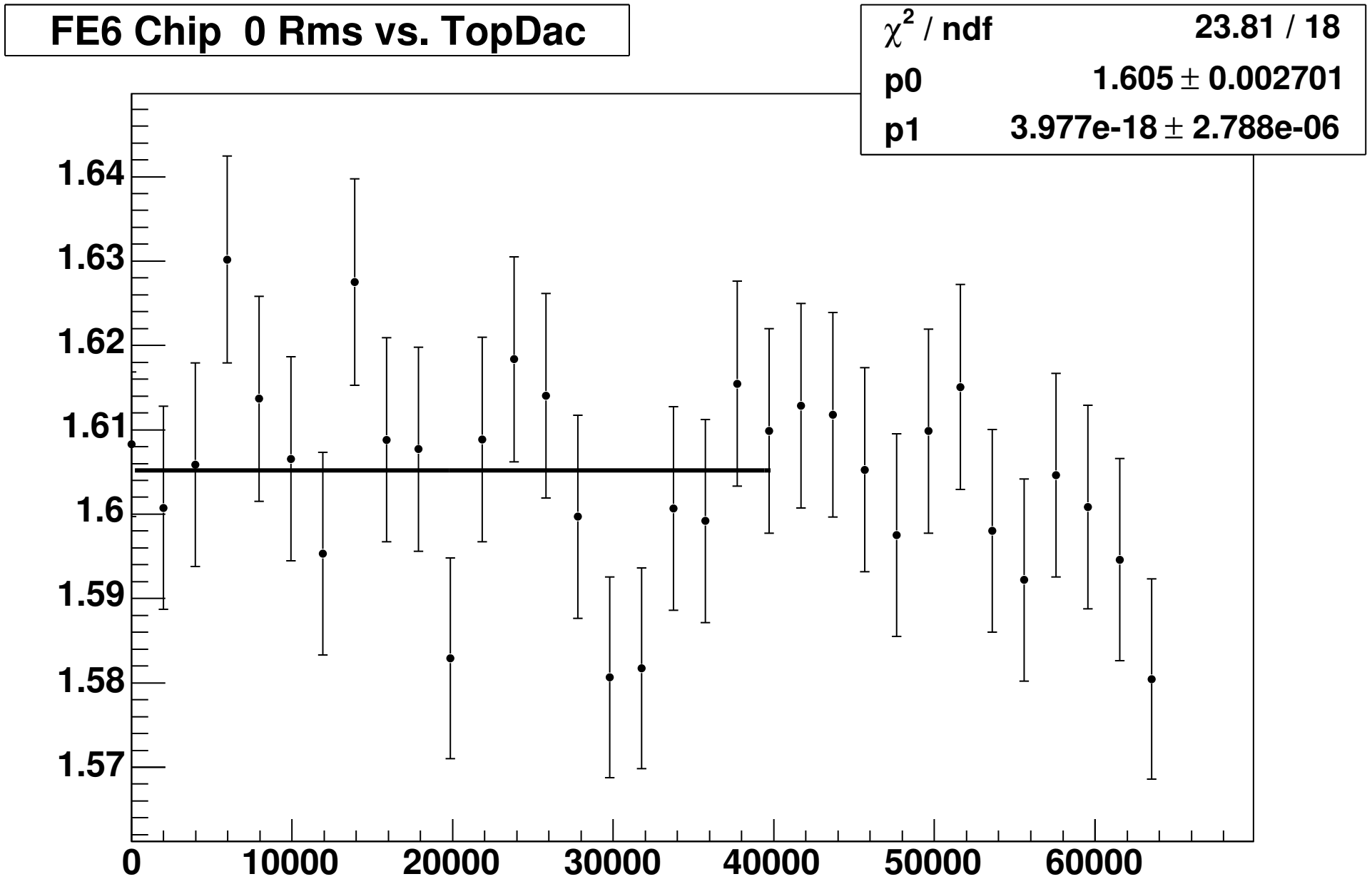
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

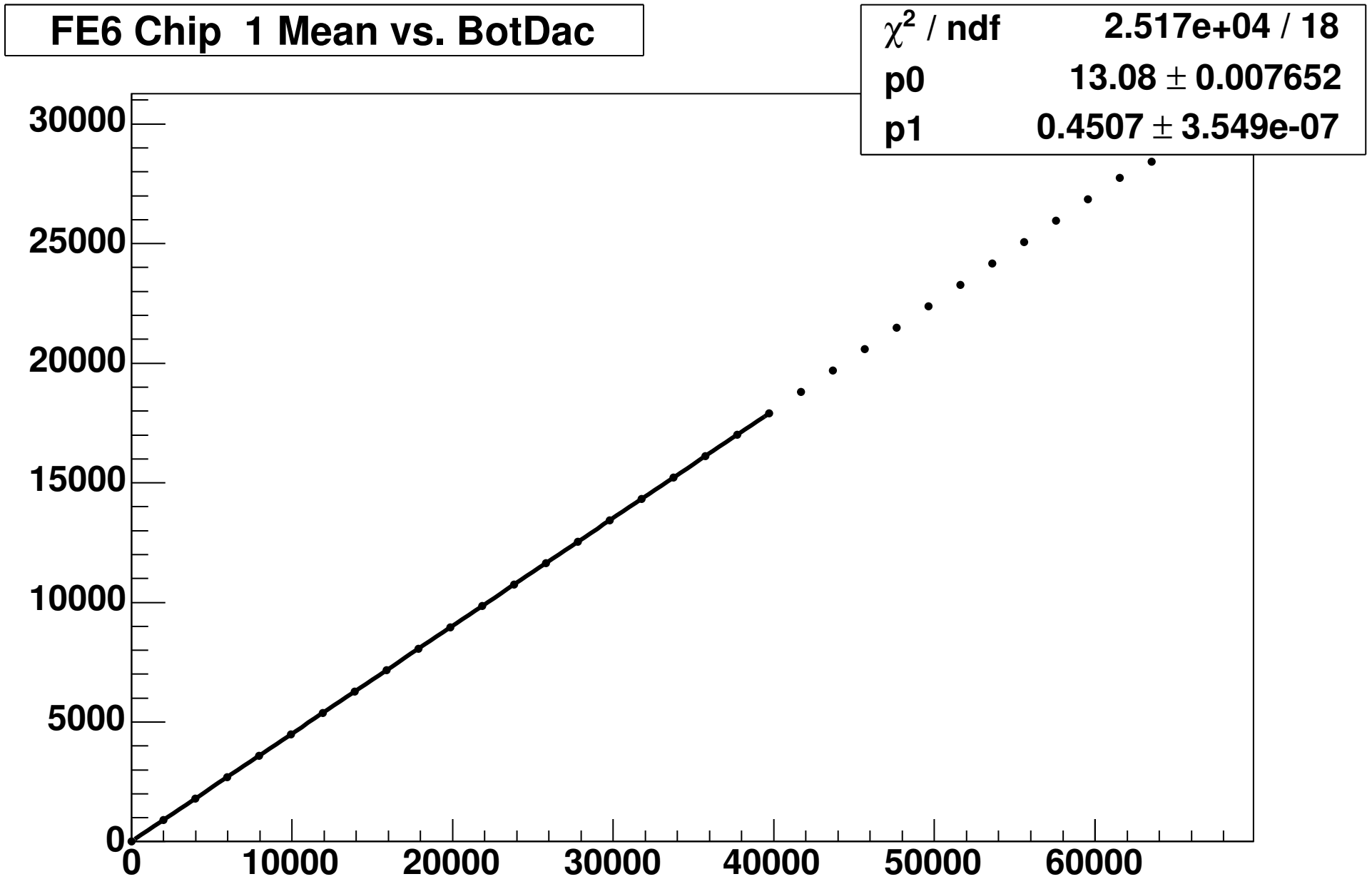

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 411 / 18
p0 1.363 ± 0.003974
p1 3.488e-05 ± 2.805e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

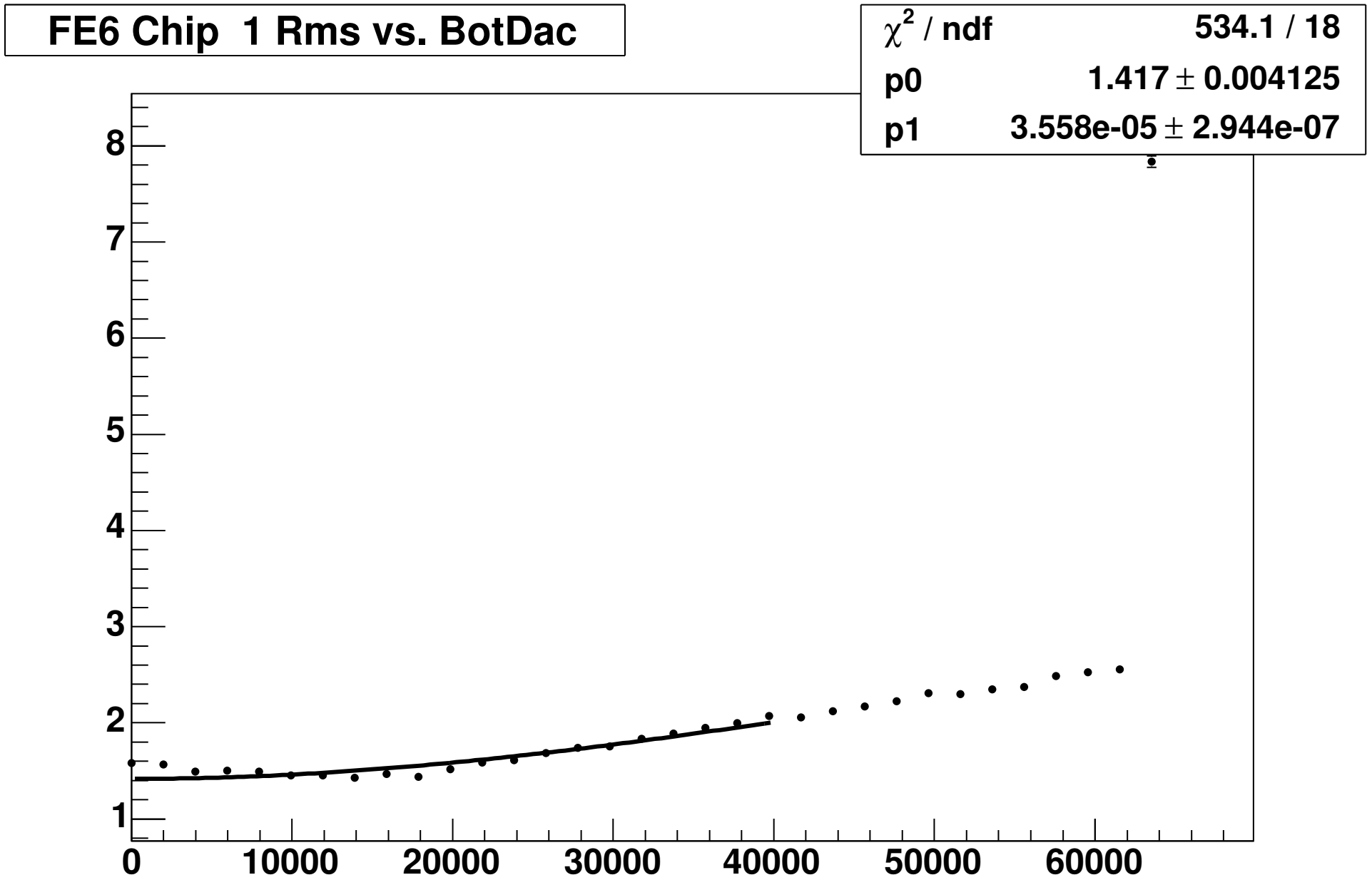

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 5.907e+04 / 18
p0 16.36 ± 0.007734
p1 0.4506 ± 3.583e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

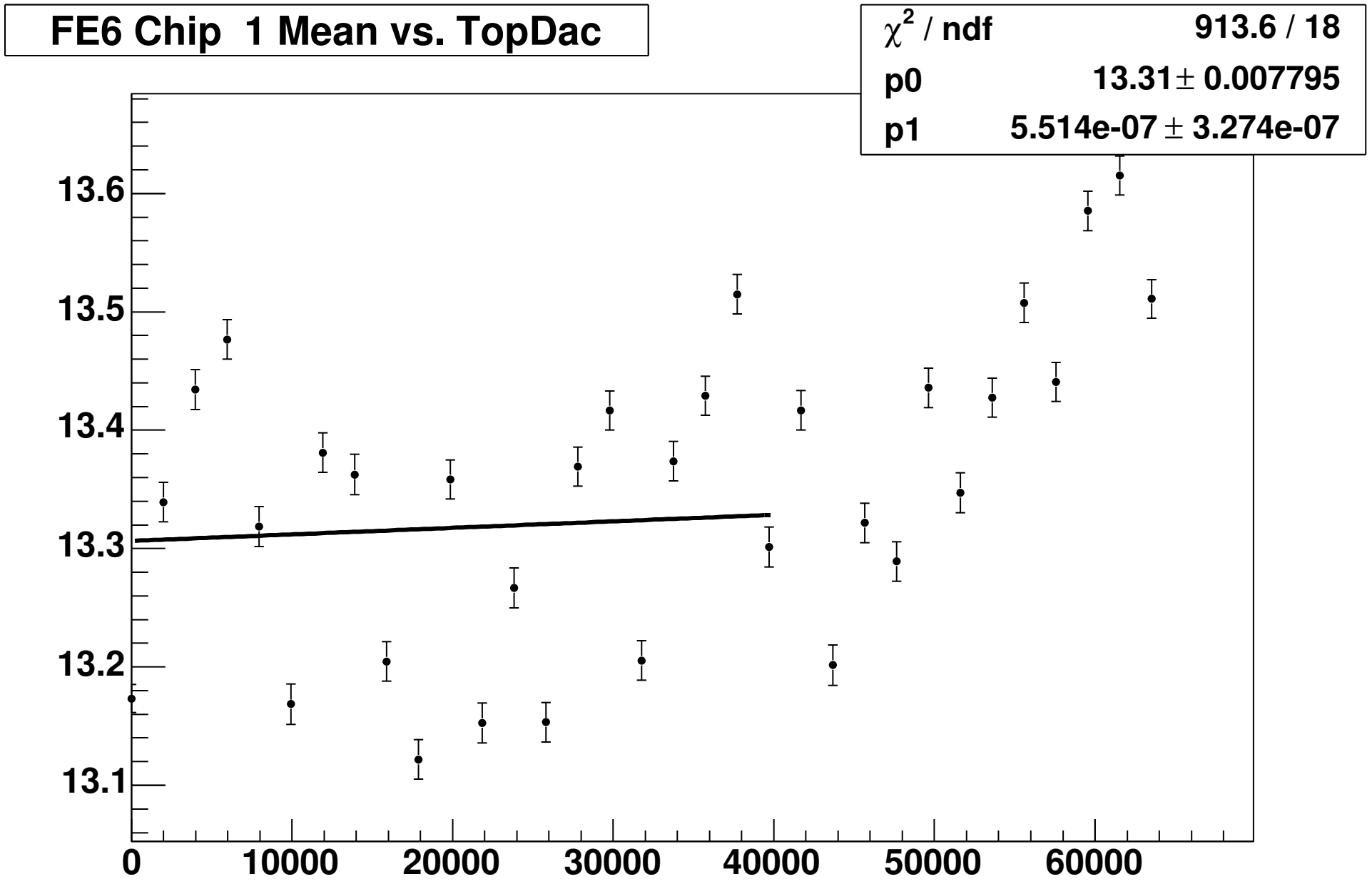

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 876.4 / 18
p0 1.422 ± 0.004146
p1 3.545e-05 ± 2.974e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

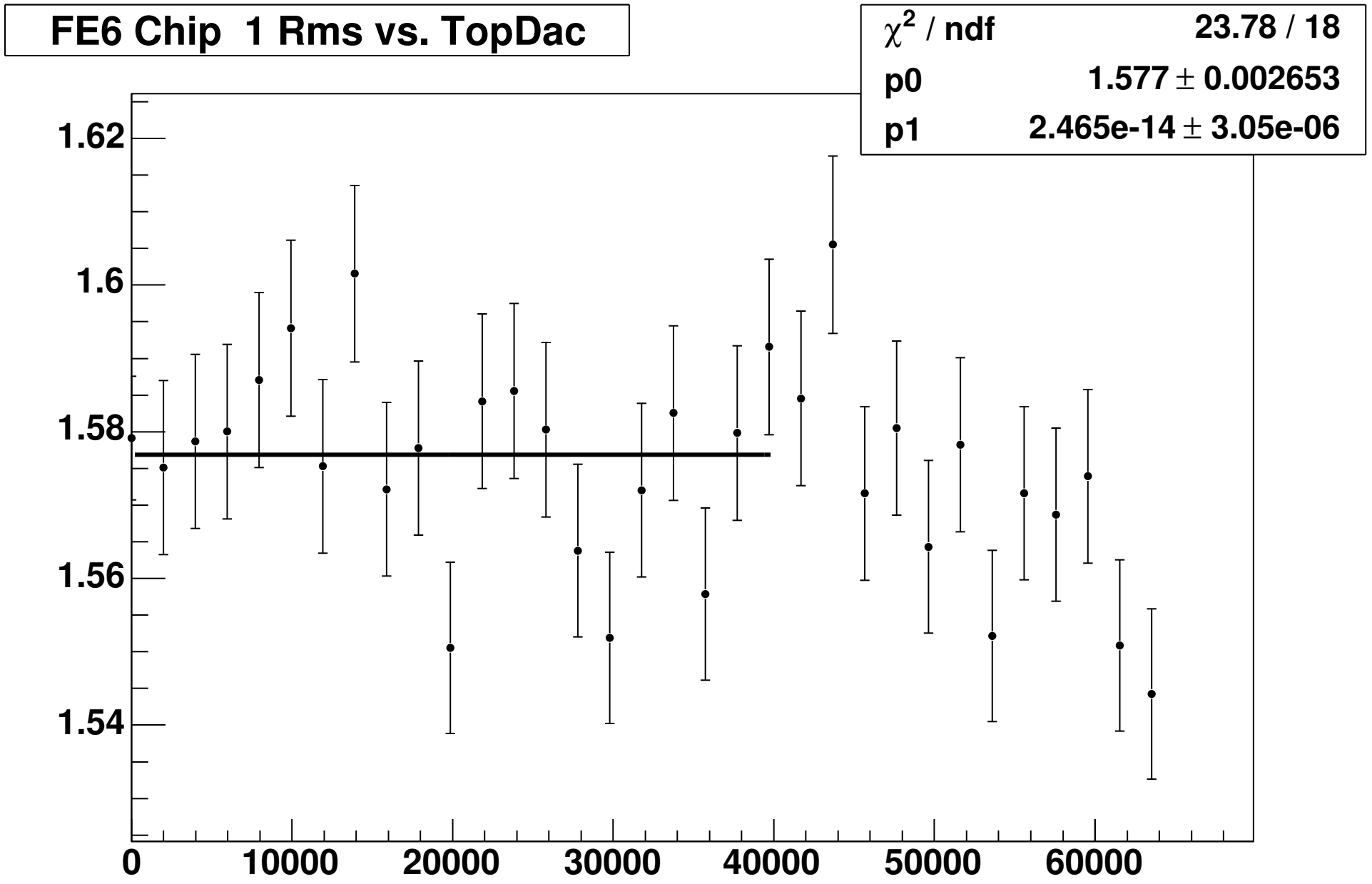

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 924.6 / 18
p0 17.11 ± 0.007934
p1 3.345e-07 ± 3.331e-07
17.4
17.3
17.2
17.1
17
16.9
0
10000
20000
30000
40000
50000
60000

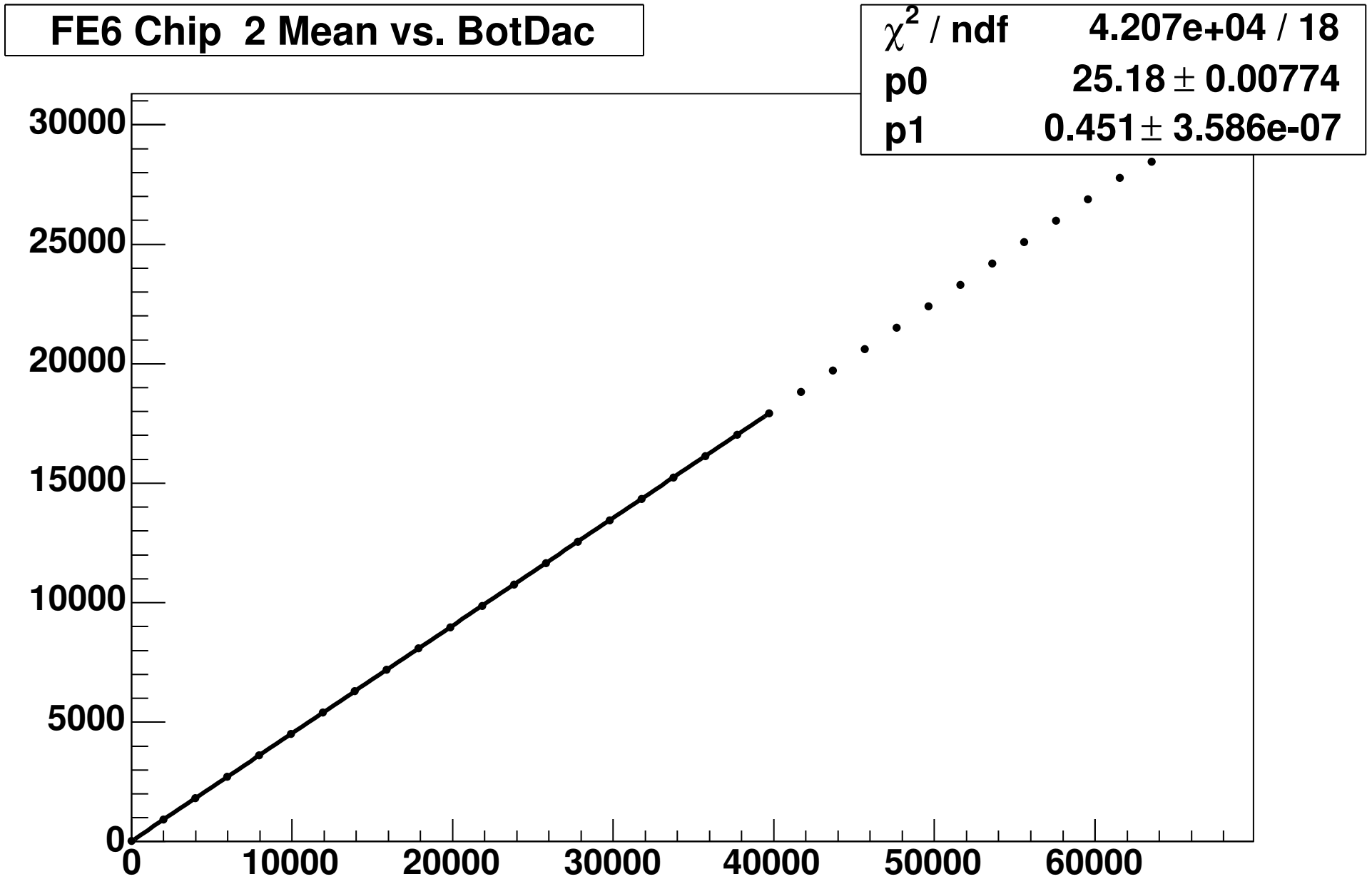

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 23.81 / 18
p0 1.605 ± 0.002701
p1 3.977e-18 ± 2.788e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
0
10000
20000
30000
40000
50000
60000

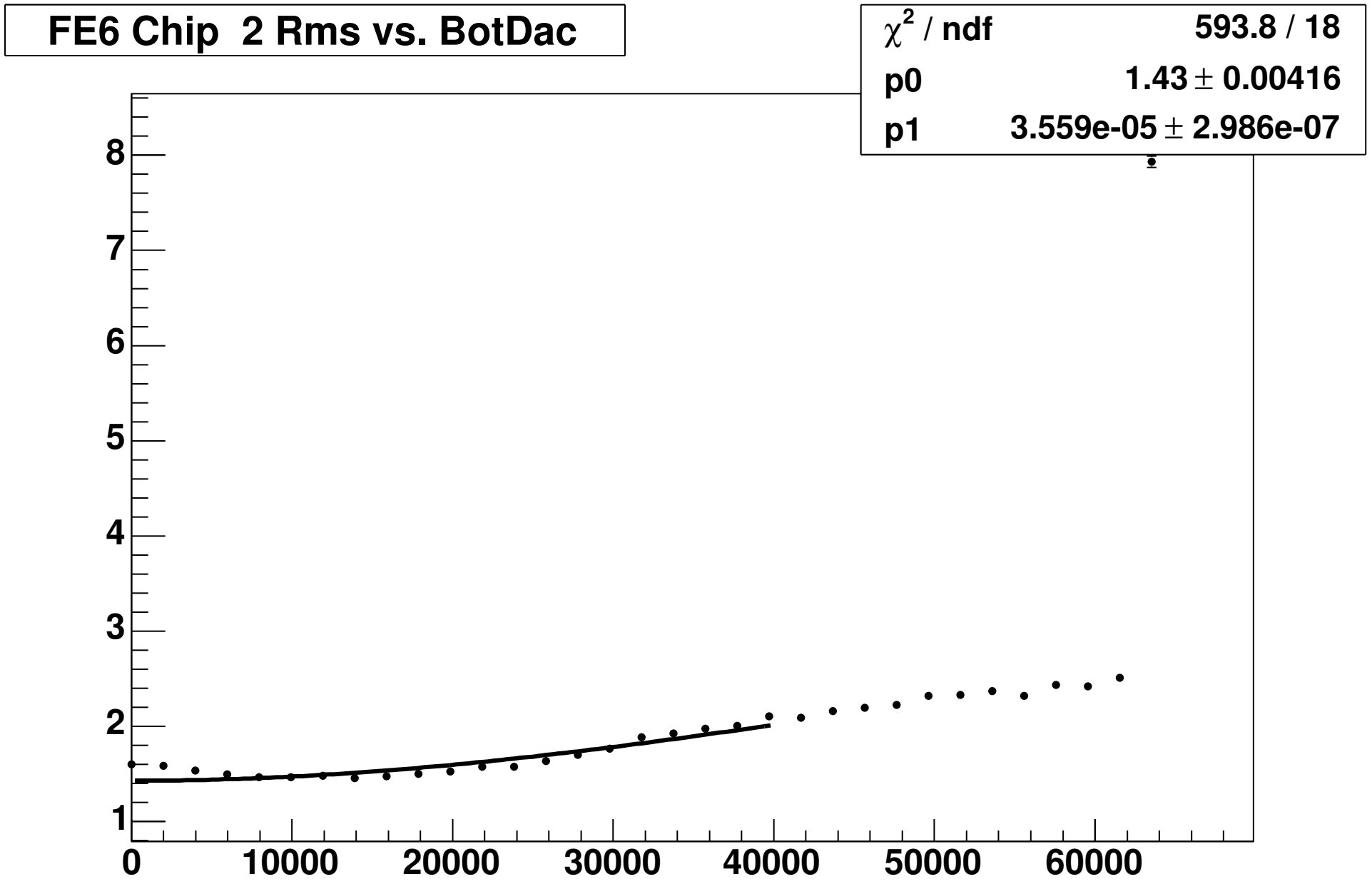

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 2.517e+04 / 18
p0 13.08 ± 0.007652
p1 0.4507 ± 3.549e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 534.1 / 18
p0 1.417 ± 0.004125
p1 3.558e-05 ± 2.944e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 913.6 / 18
p0 13.31 ± 0.007795
p1 5.514e-07 ± 3.274e-07
13.6
13.5
13.4
13.3
13.2
13.1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 23.78 / 18
p0 1.577 ± 0.002653
p1 2.465e-14 ± 3.05e-06
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 4.207e+04 / 18
p0 25.18 ± 0.00774
p1 0.451 ± 3.586e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 593.8 / 18
p0 1.43 ± 0.00416
p1 3.559e-05 ± 2.986e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
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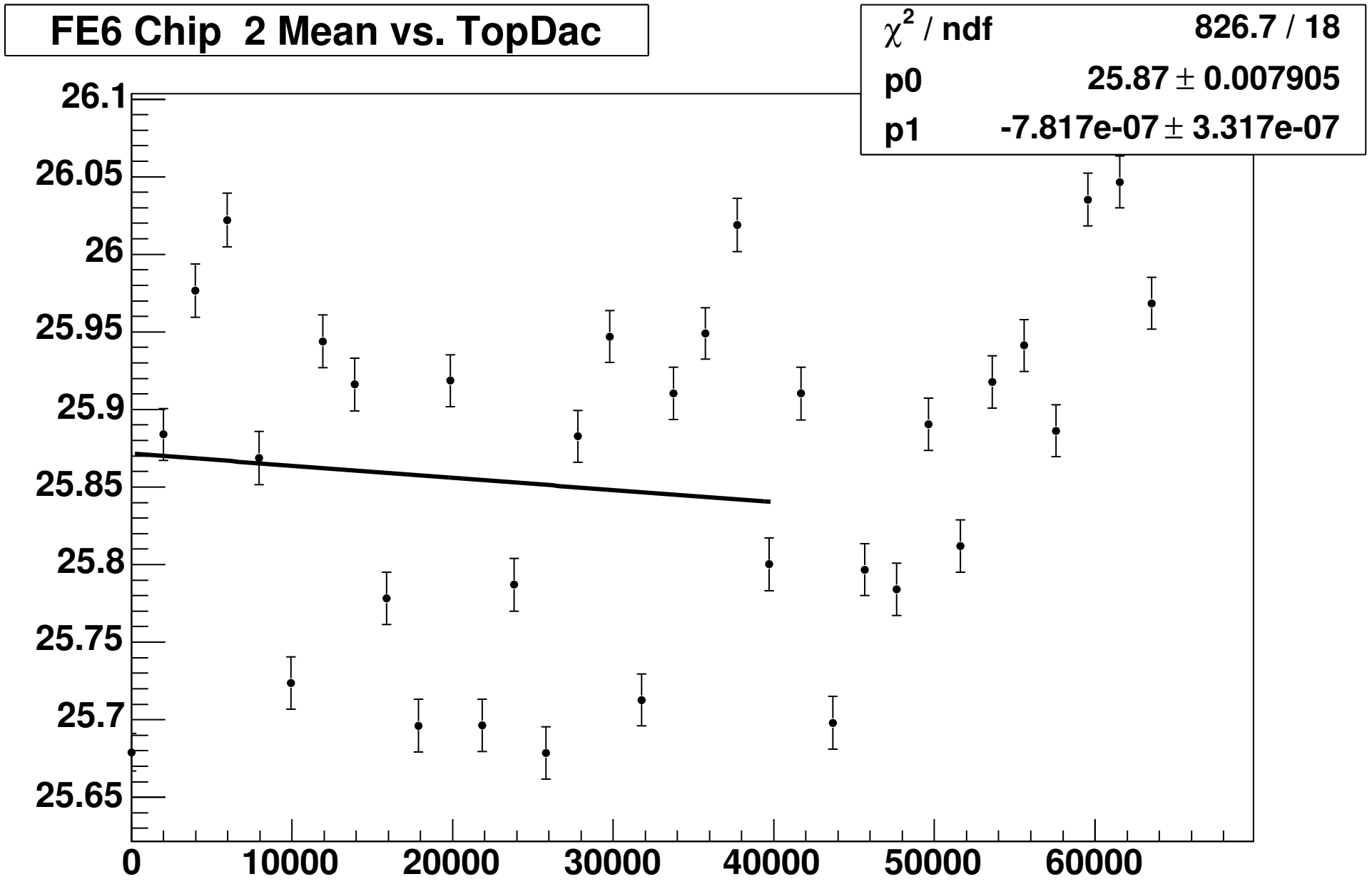
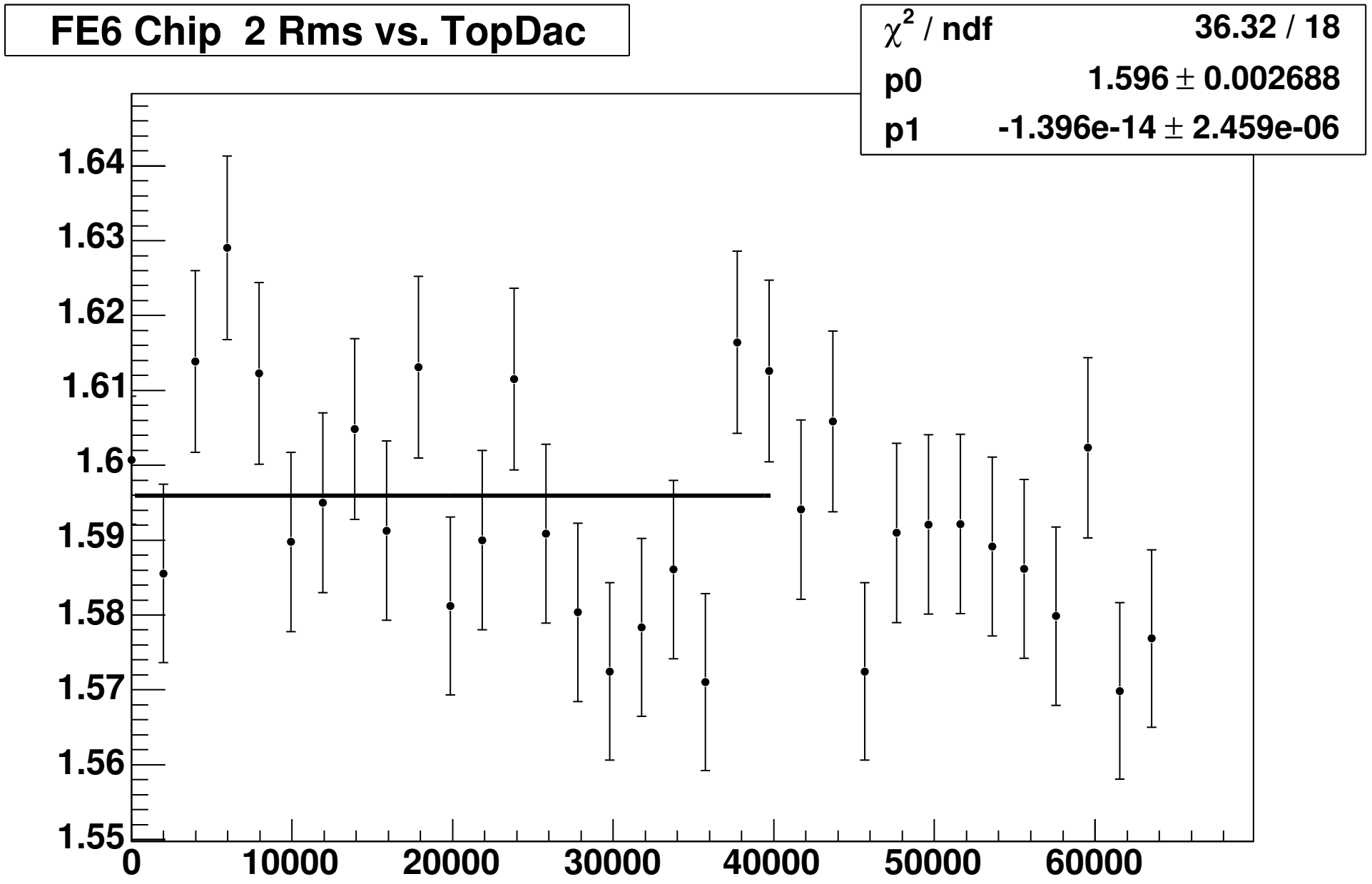
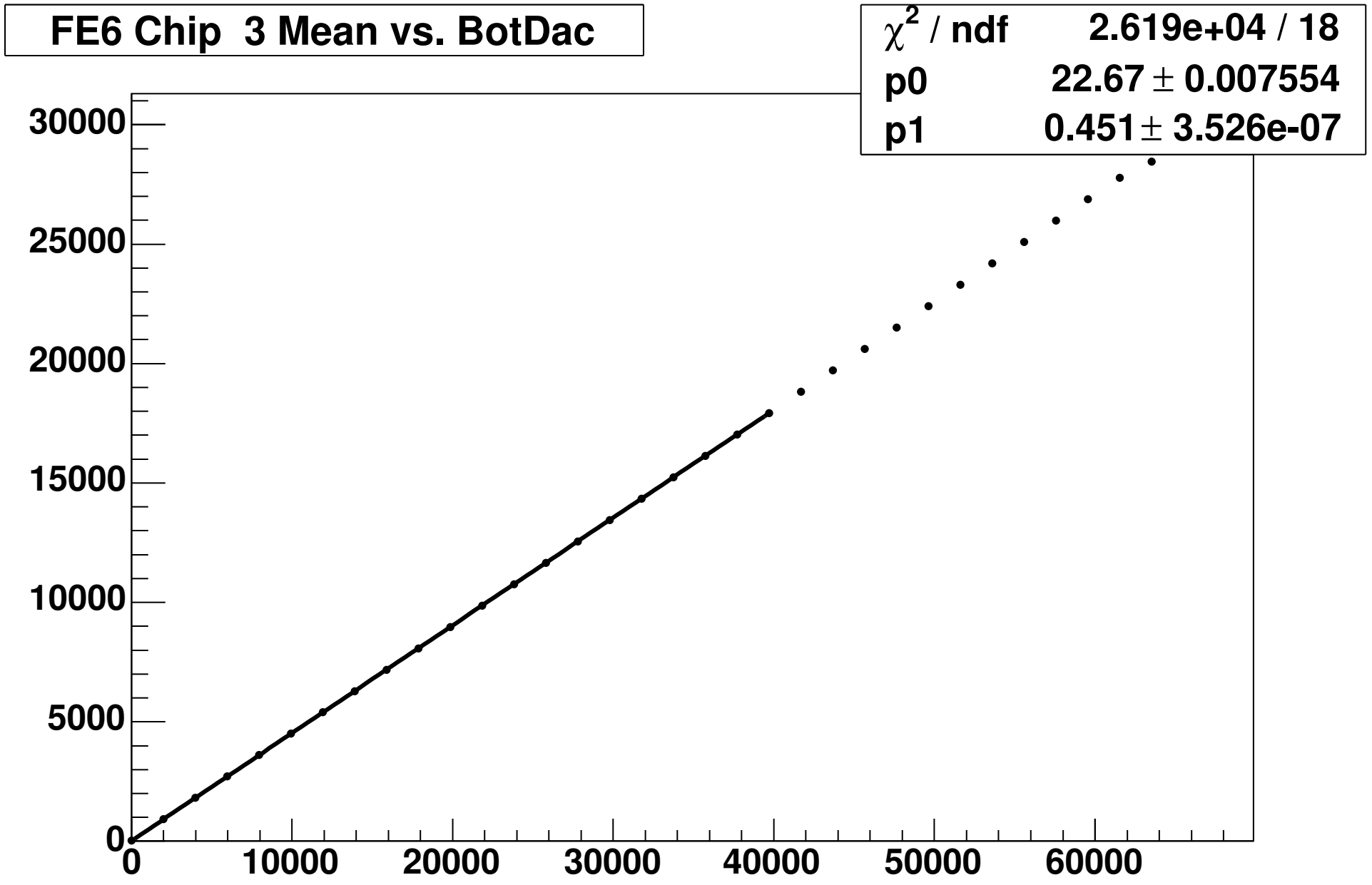
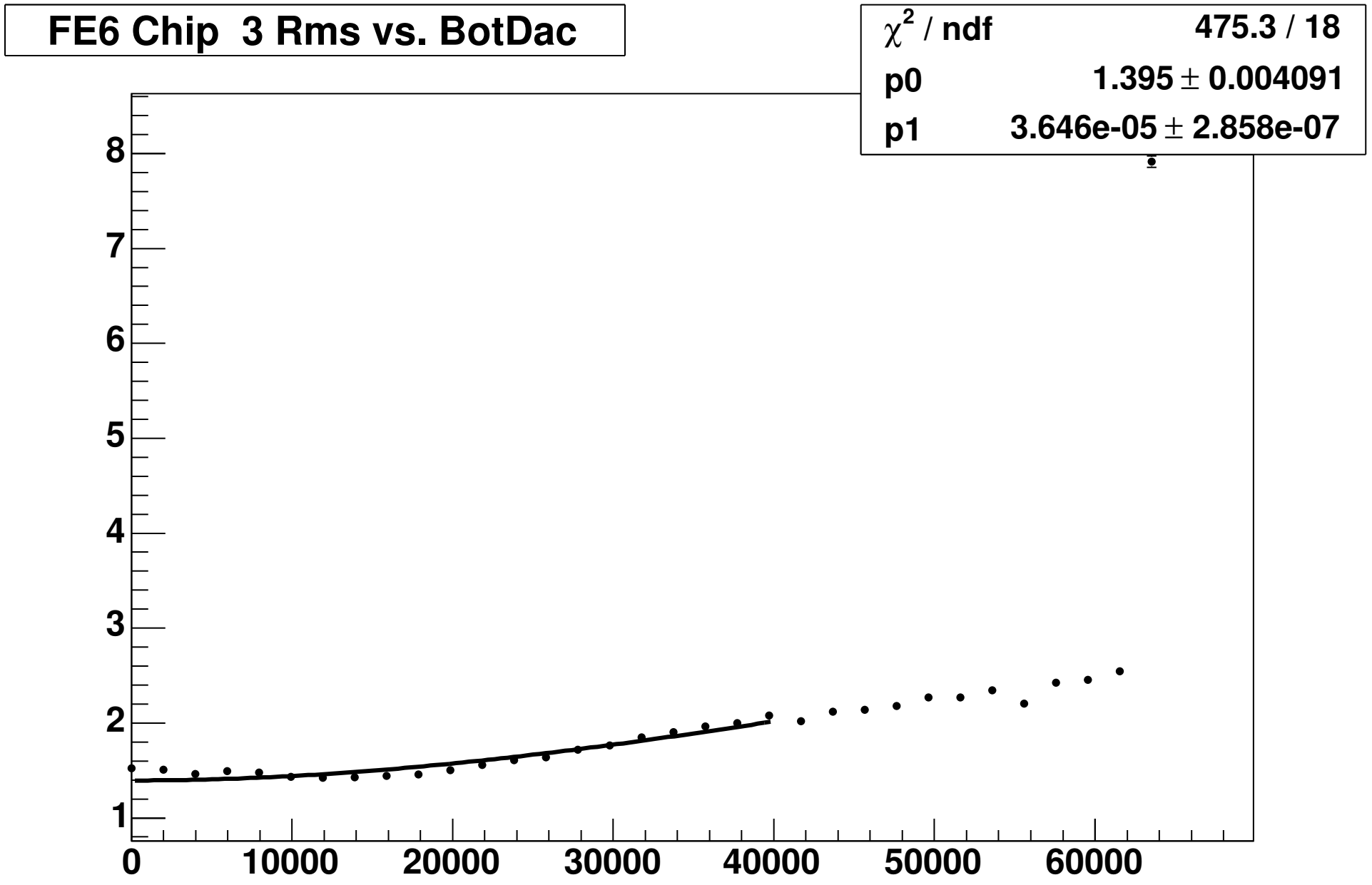
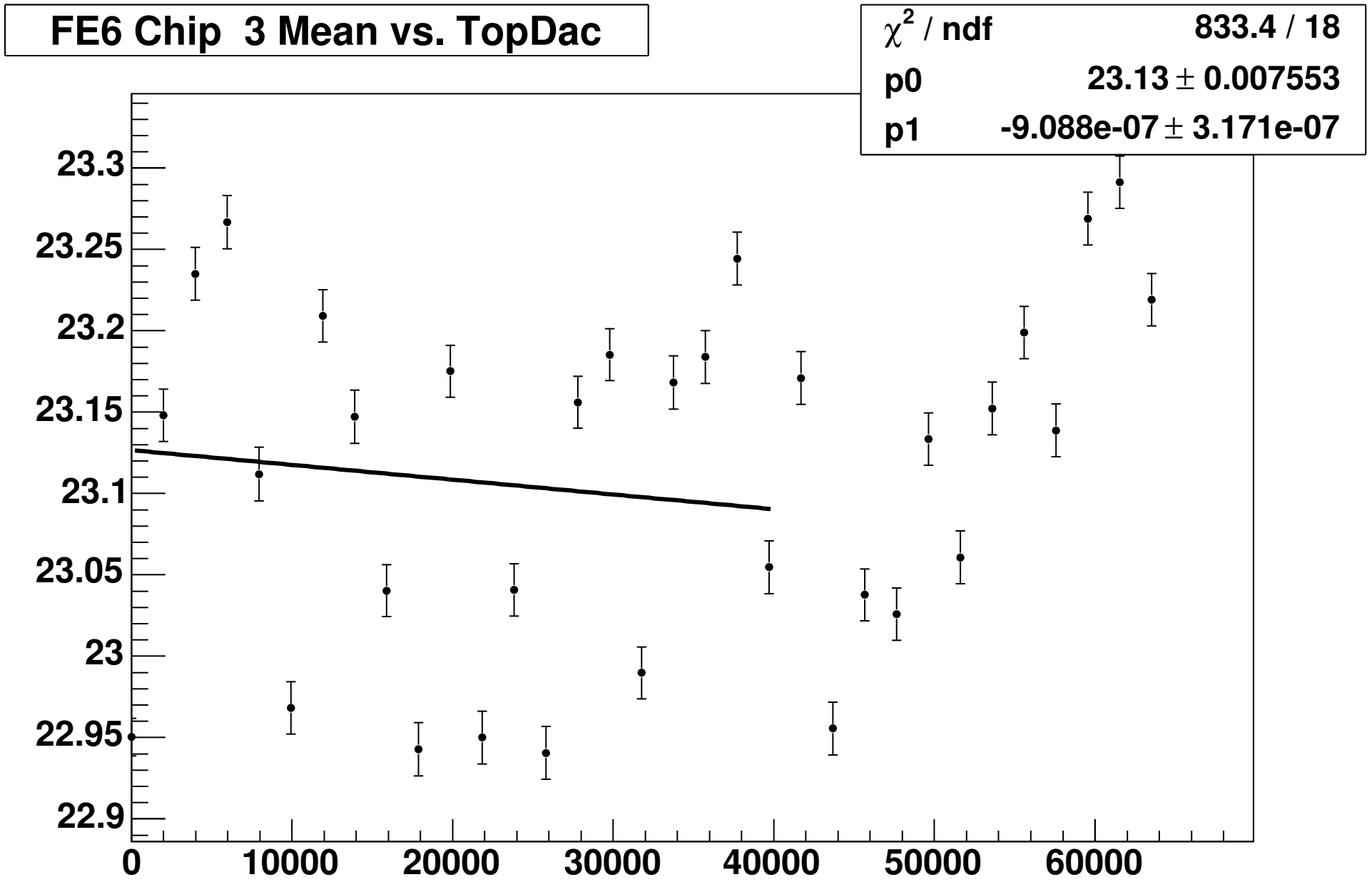
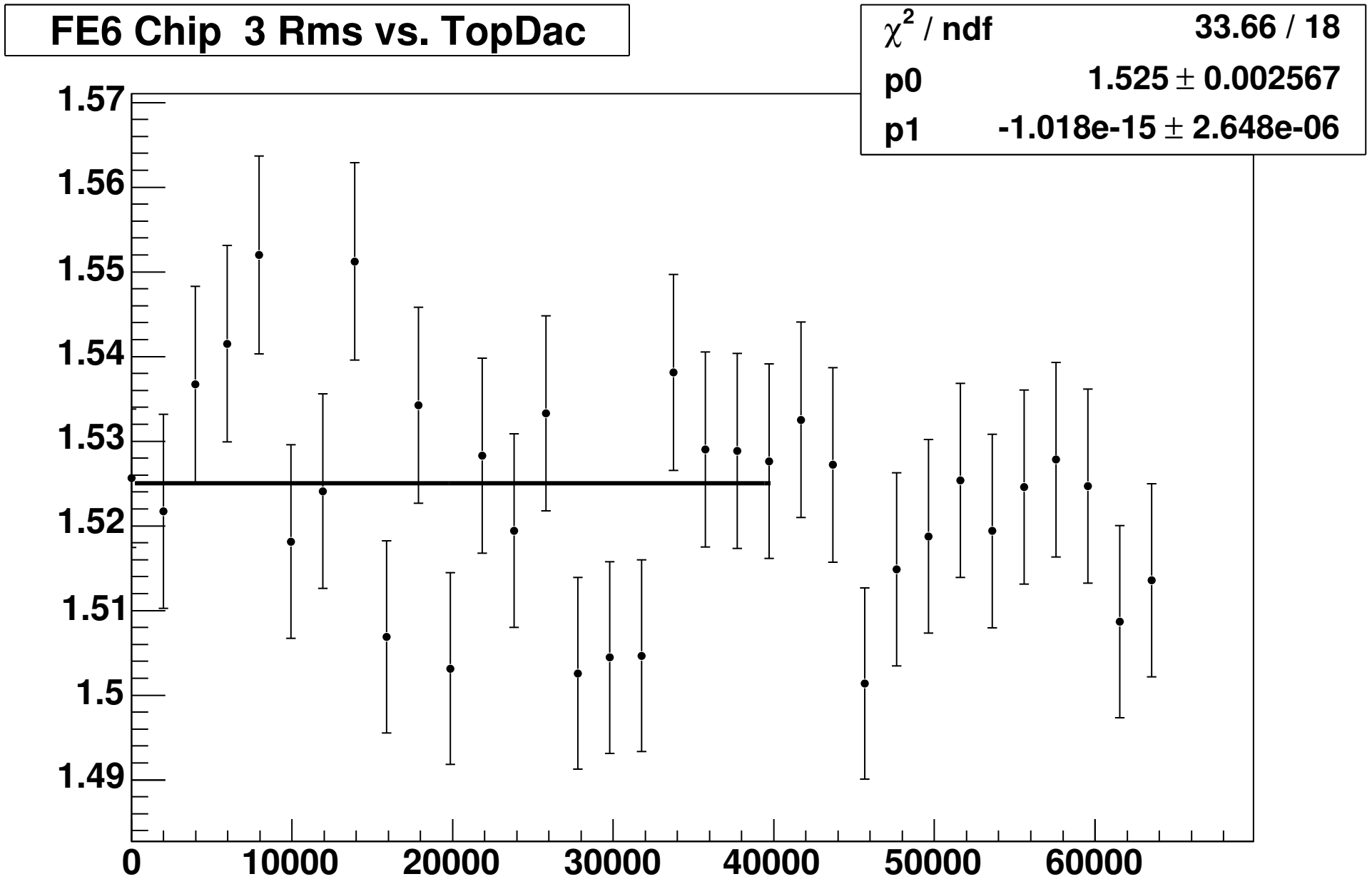

FE6 Chip 2 Mean vs. TopDac
χ² / ndf 826.7 / 18
p0 25.87 ± 0.007905
p1 -7.817e-07 ± 3.317e-07
26.1
26.05
26
25.95
25.9
25.85
25.8
25.75
25.7
25.65
0
10000
20000
30000
40000
50000
60000

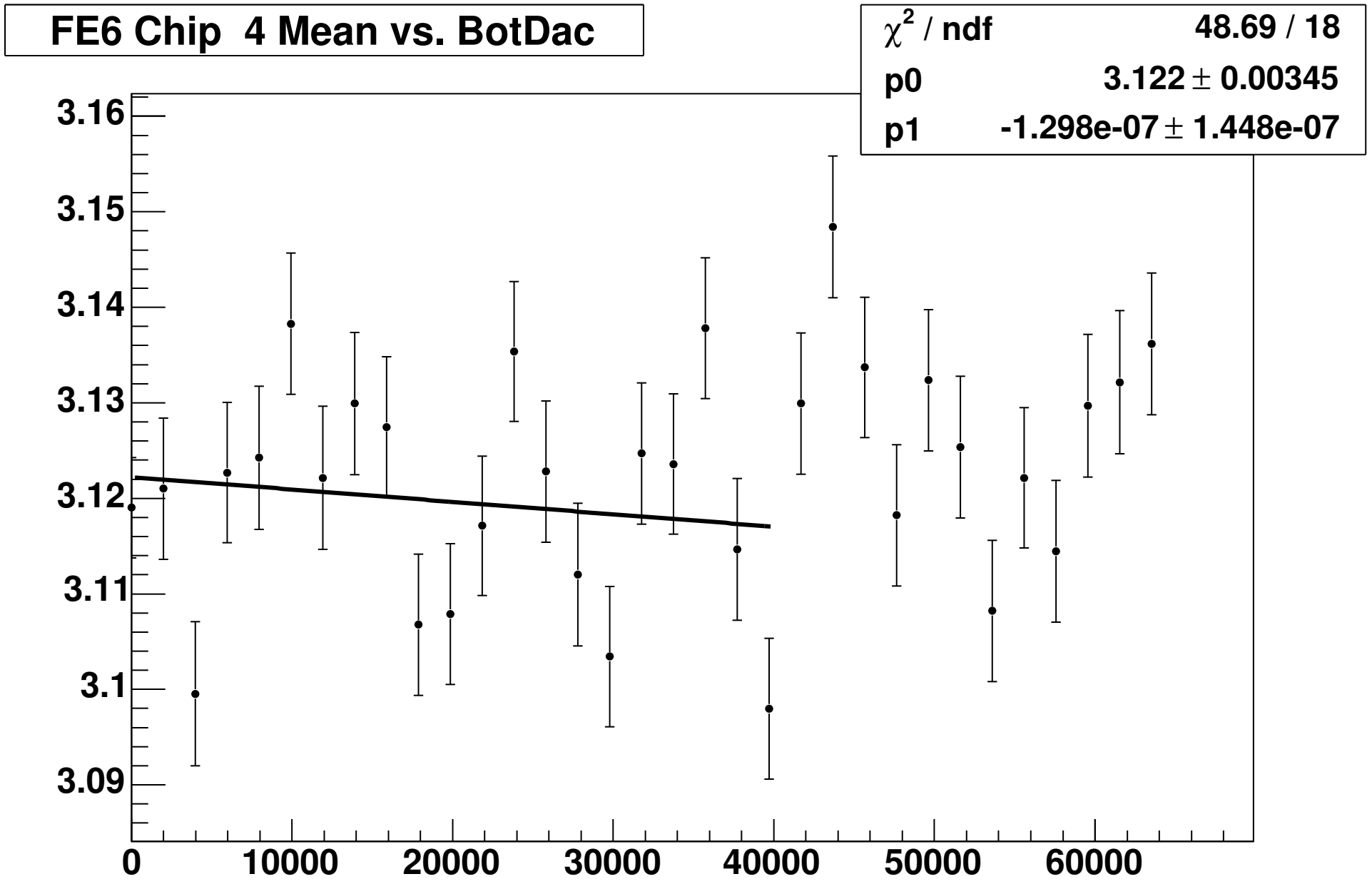

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 36.32 / 18
p0 1.596 ± 0.002688
p1 -1.396e-14 ± 2.459e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
40000
50000
60000

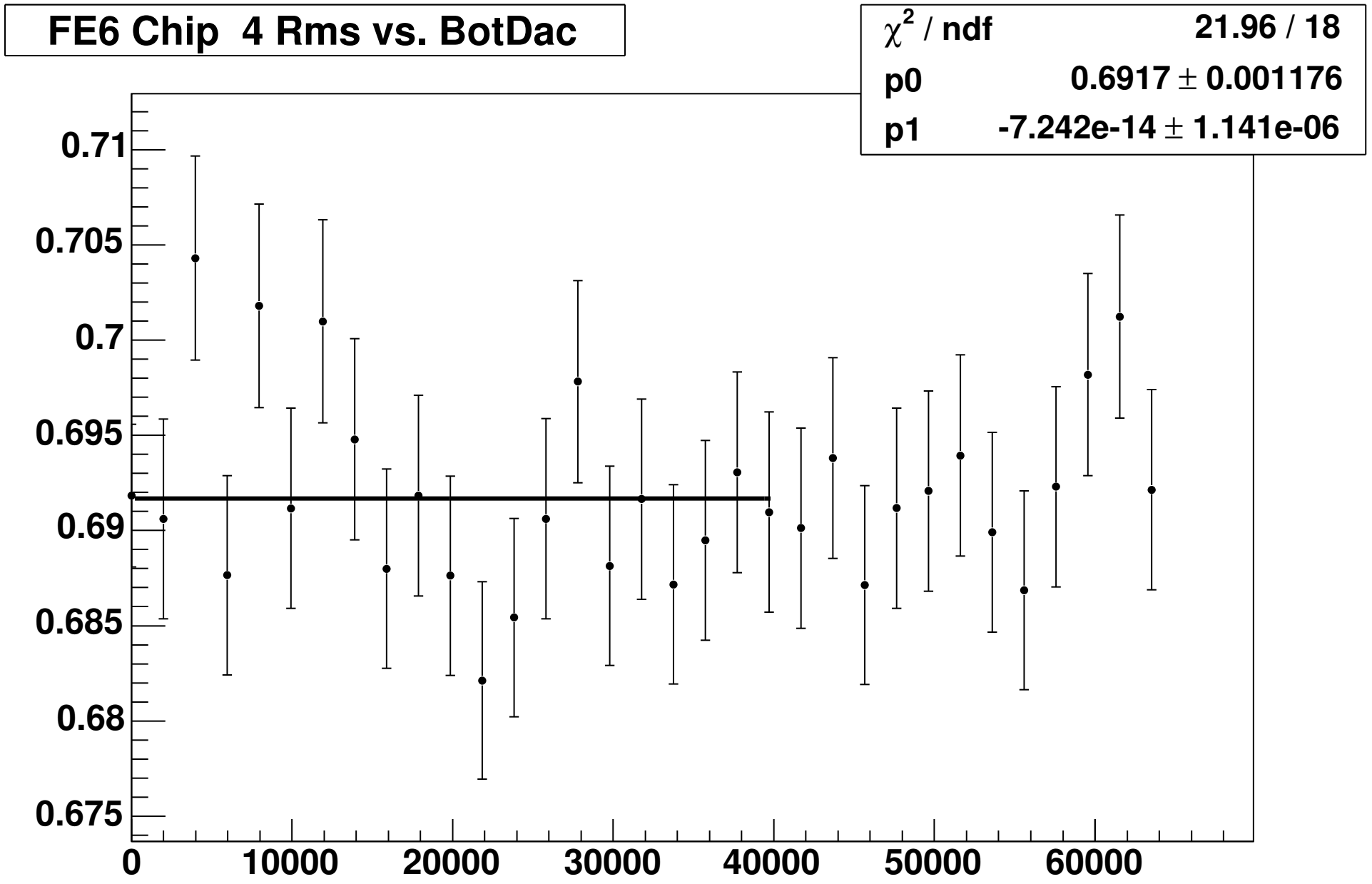

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 2.619e+04 / 18
p0 22.67 ± 0.007554
p1 0.451 ± 3.526e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

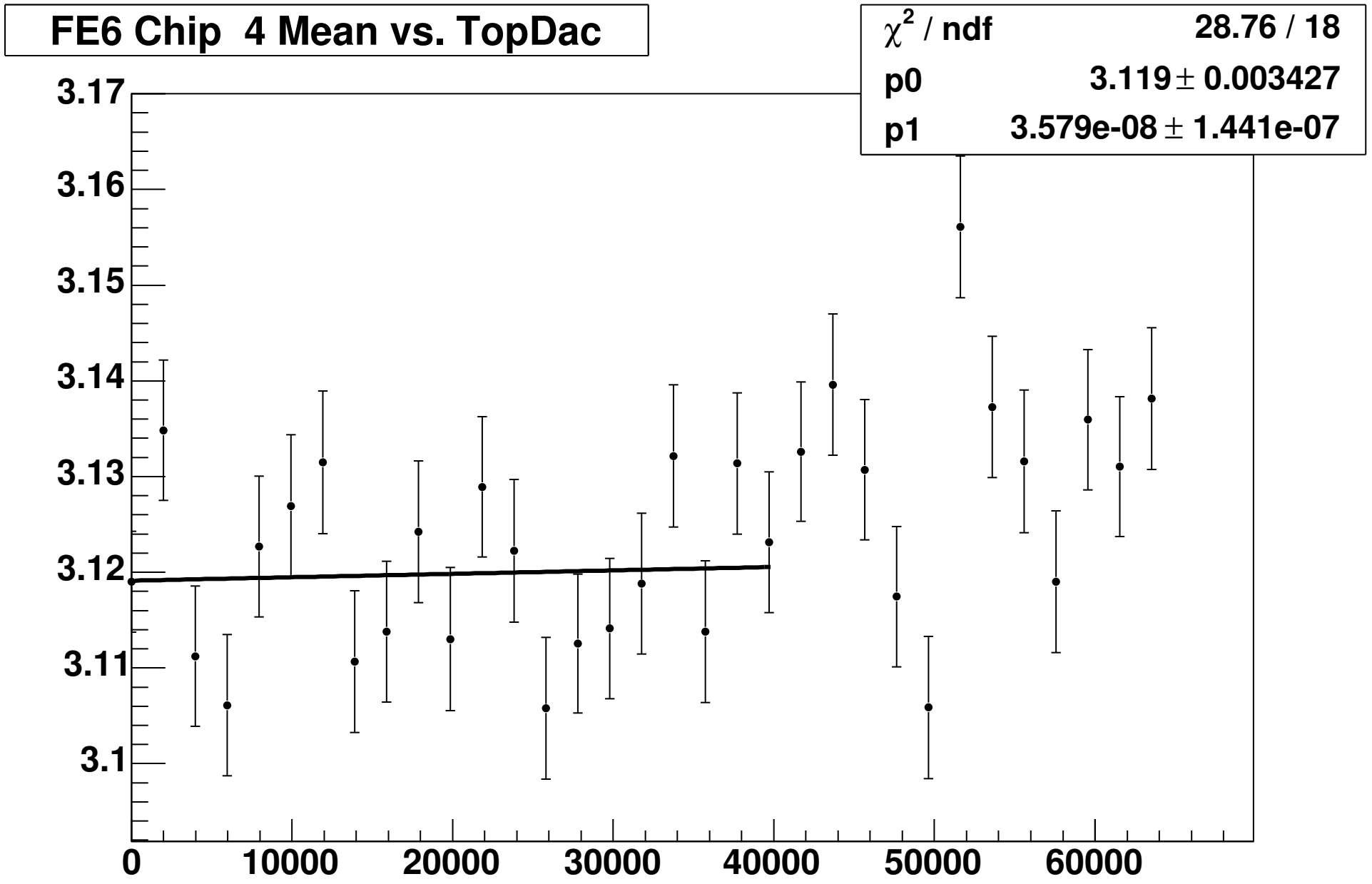

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 475.3 / 18
p0 1.395 ± 0.004091
p1 3.646e-05 ± 2.858e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

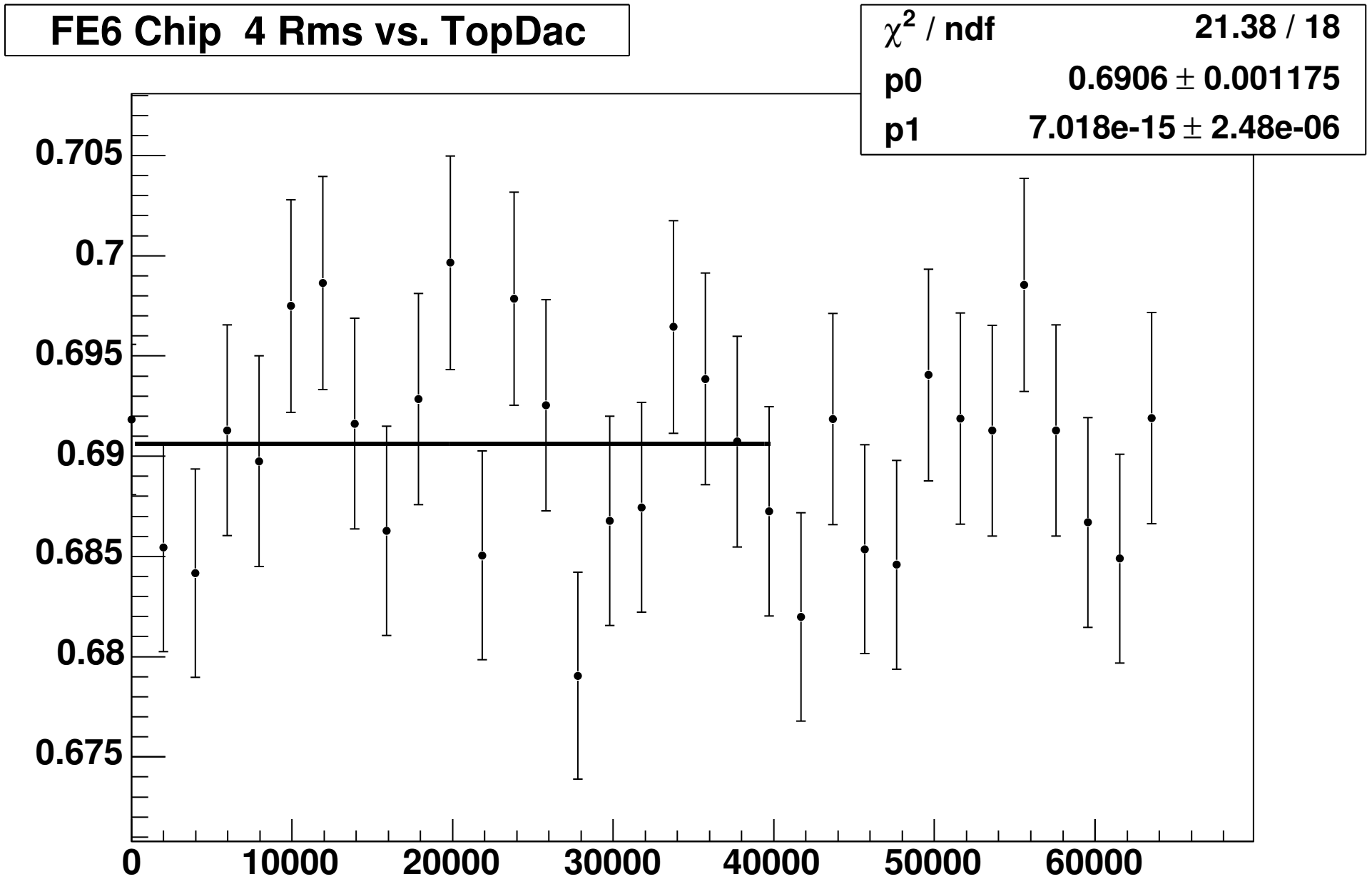

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 833.4 / 18
p0 23.13 ± 0.007553
p1 -9.088e-07 ± 3.171e-07
23.3
23.25
23.2
23.15
23.1
23.05
23
22.95
22.9
0
10000
20000
30000
40000
50000
60000

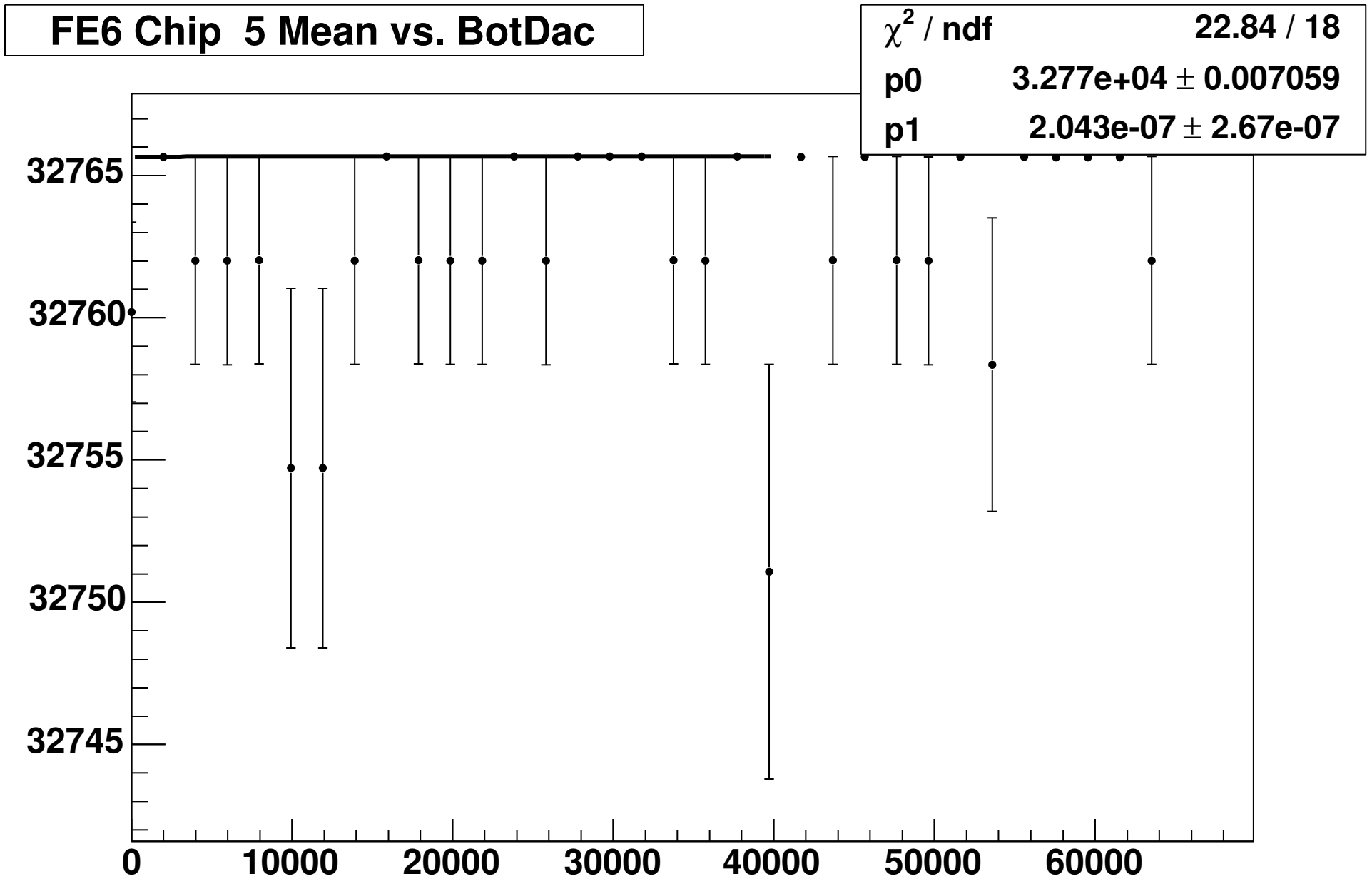

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 33.66 / 18
p0 1.525 ± 0.002567
p1 -1.018e-15 ± 2.648e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000

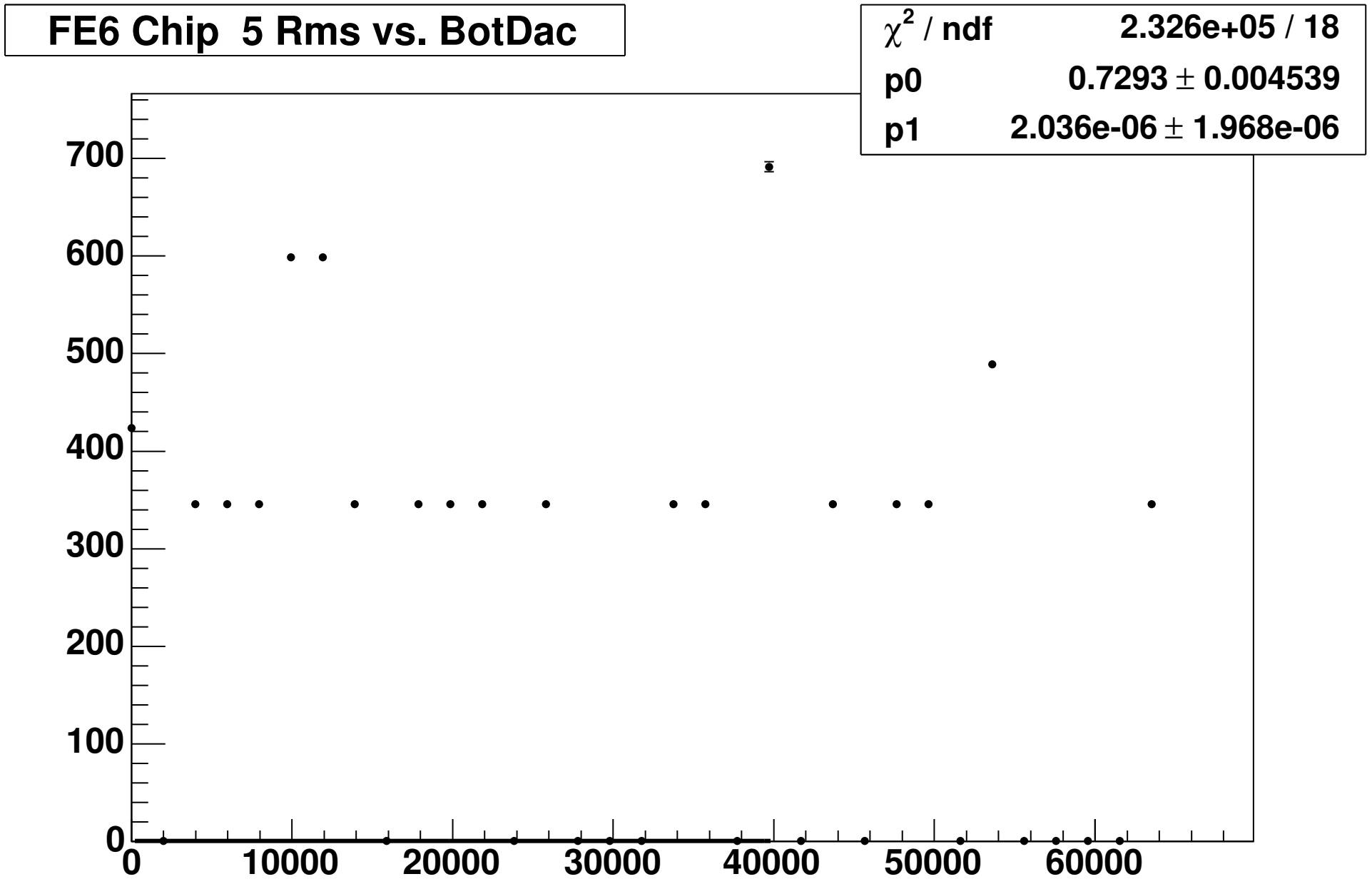

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 48.69 / 18
p0 3.122 ± 0.00345
p1 -1.298e-07 ± 1.448e-07
3.16
3.15
3.14
3.13
3.12
3.11
3.1
3.09
0
10000
20000
30000
40000
50000
60000

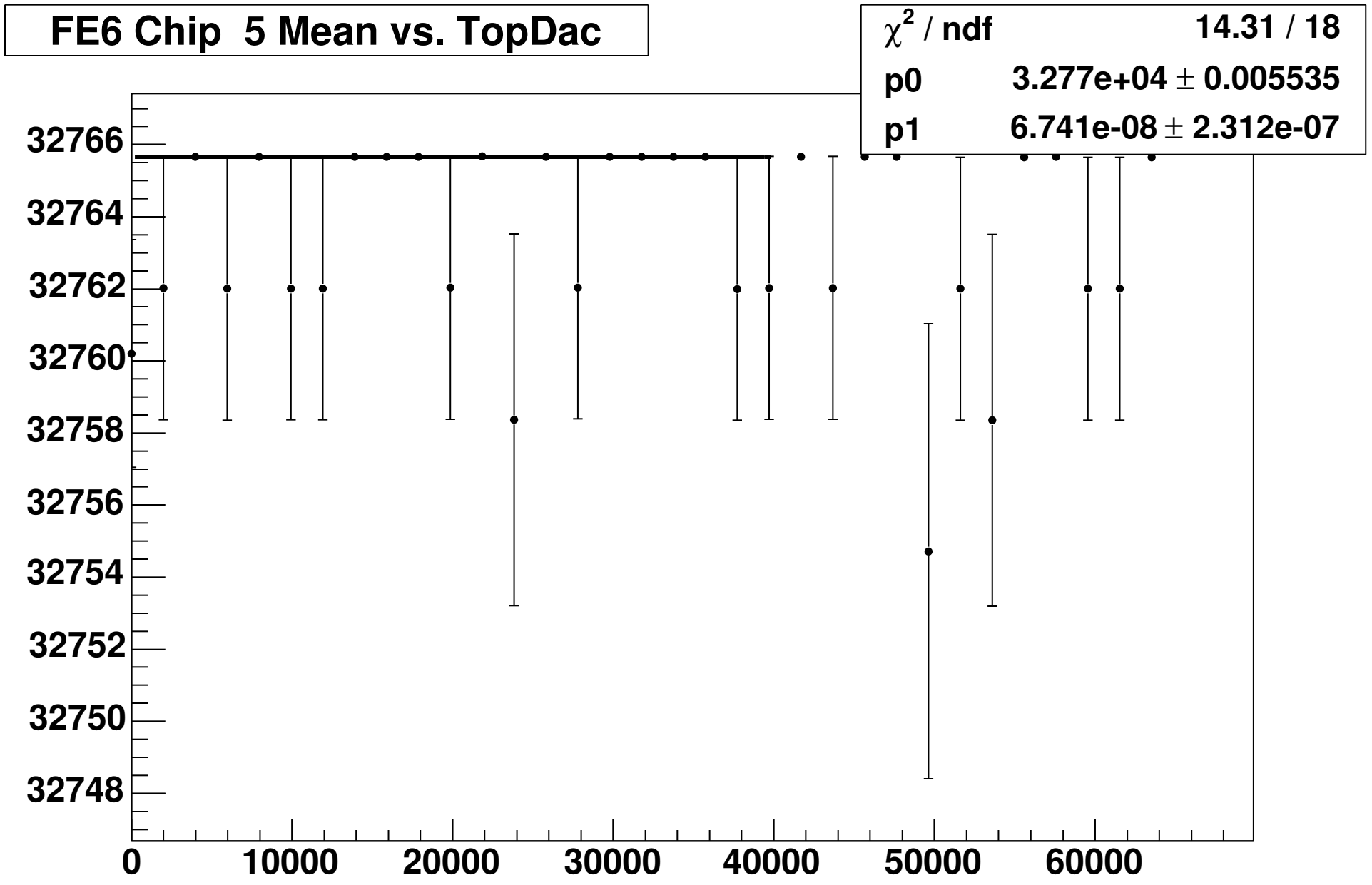

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 21.96 / 18
p0 0.6917 ± 0.001176
p1 -7.242e-14 ± 1.141e-06
0.71
0.705
0.7
0.695
0.69
0.685
0.68
0.675
0
10000
20000
30000
40000
50000
60000

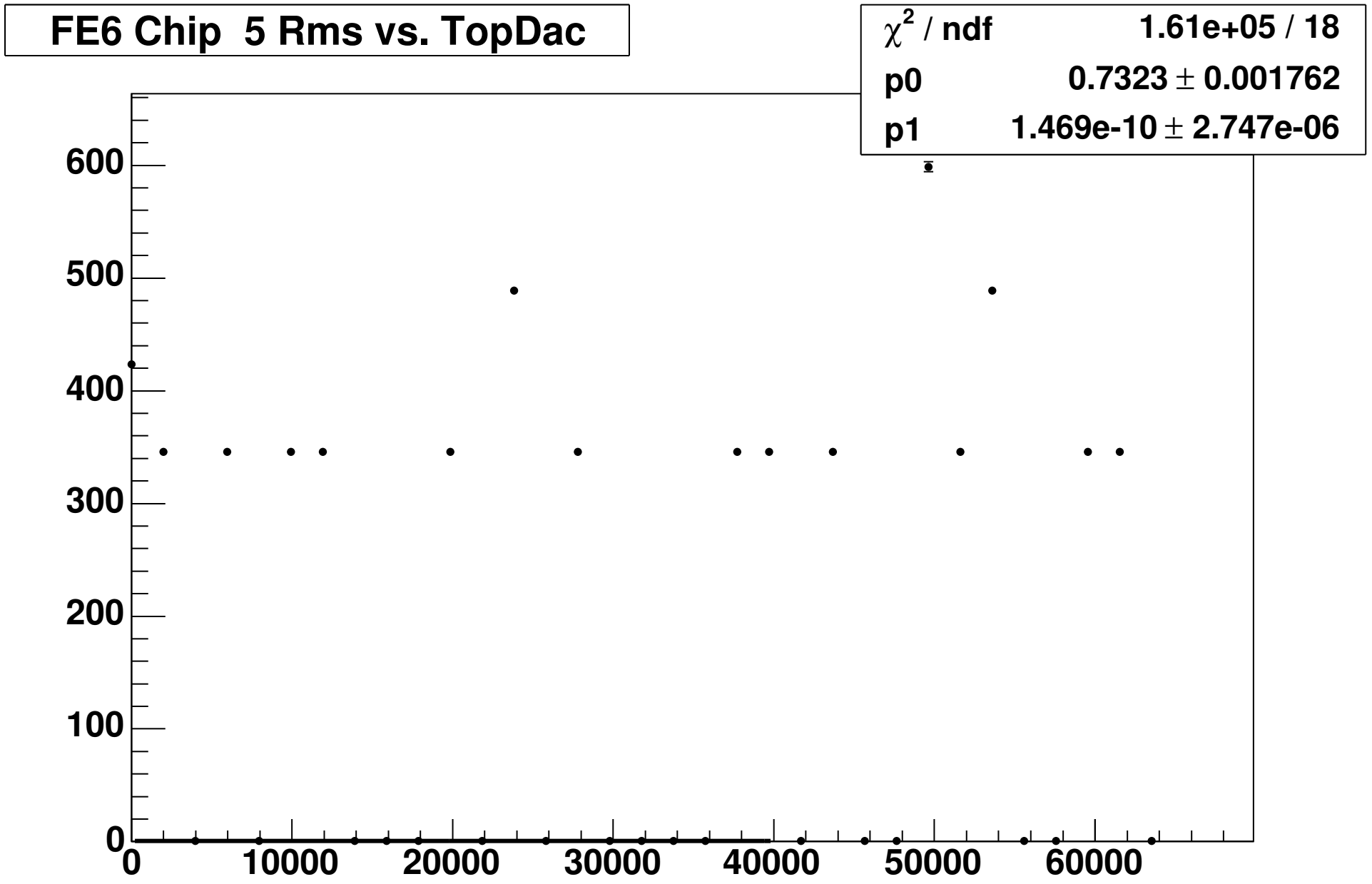

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 28.76 / 18
p0 3.119 ± 0.003427
p1 3.579e-08 ± 1.441e-07
3.17
3.16
3.15
3.14
3.13
3.12
3.11
3.1
0
10000
20000
30000
40000
50000
60000

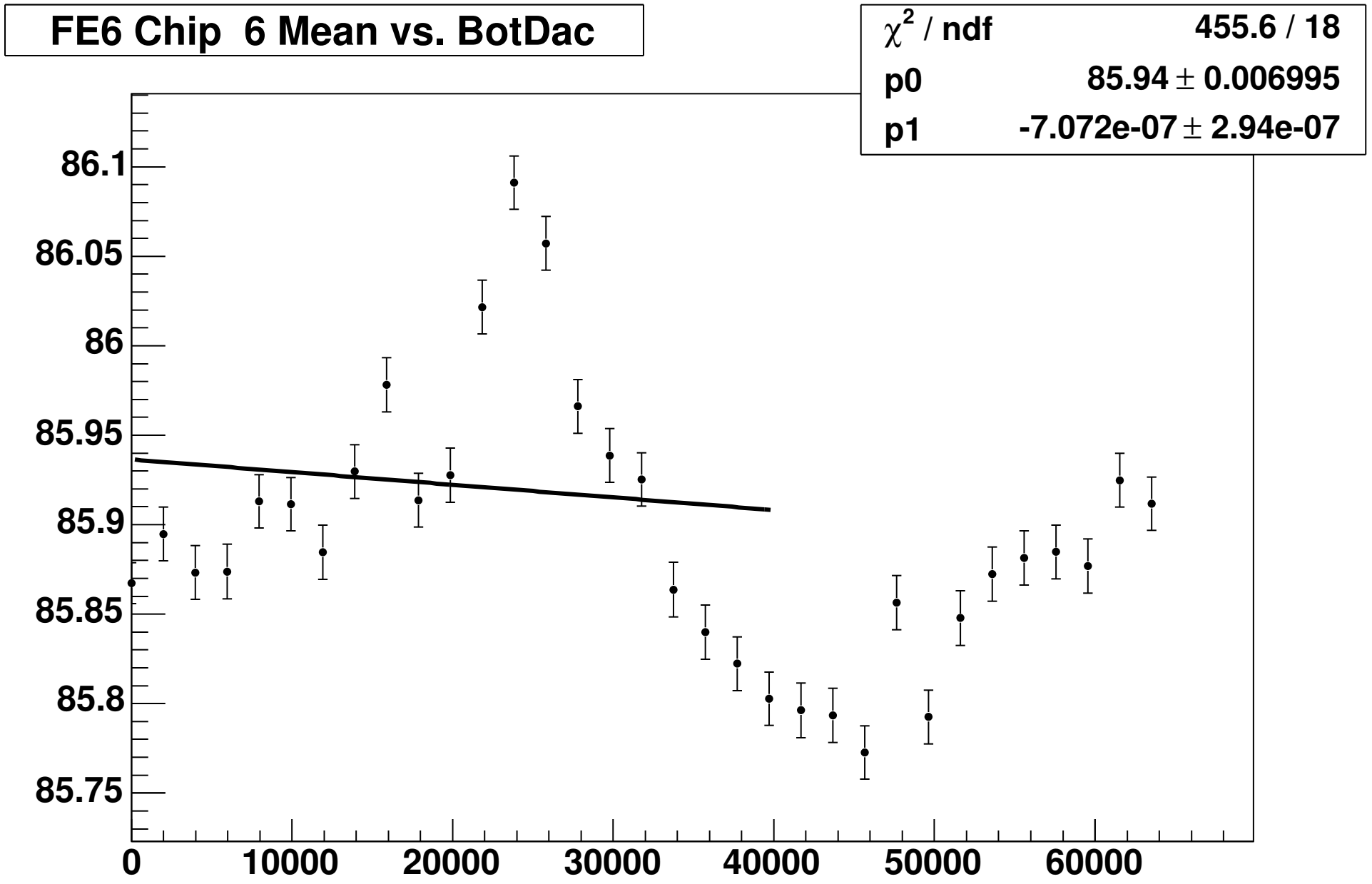

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 21.38 / 18
p0 0.6906 ± 0.001175
p1 7.018e-15 ± 2.48e-06
0.705
0.7
0.695
0.69
0.685
0.68
0.675
0
10000
20000
30000
40000
50000
60000

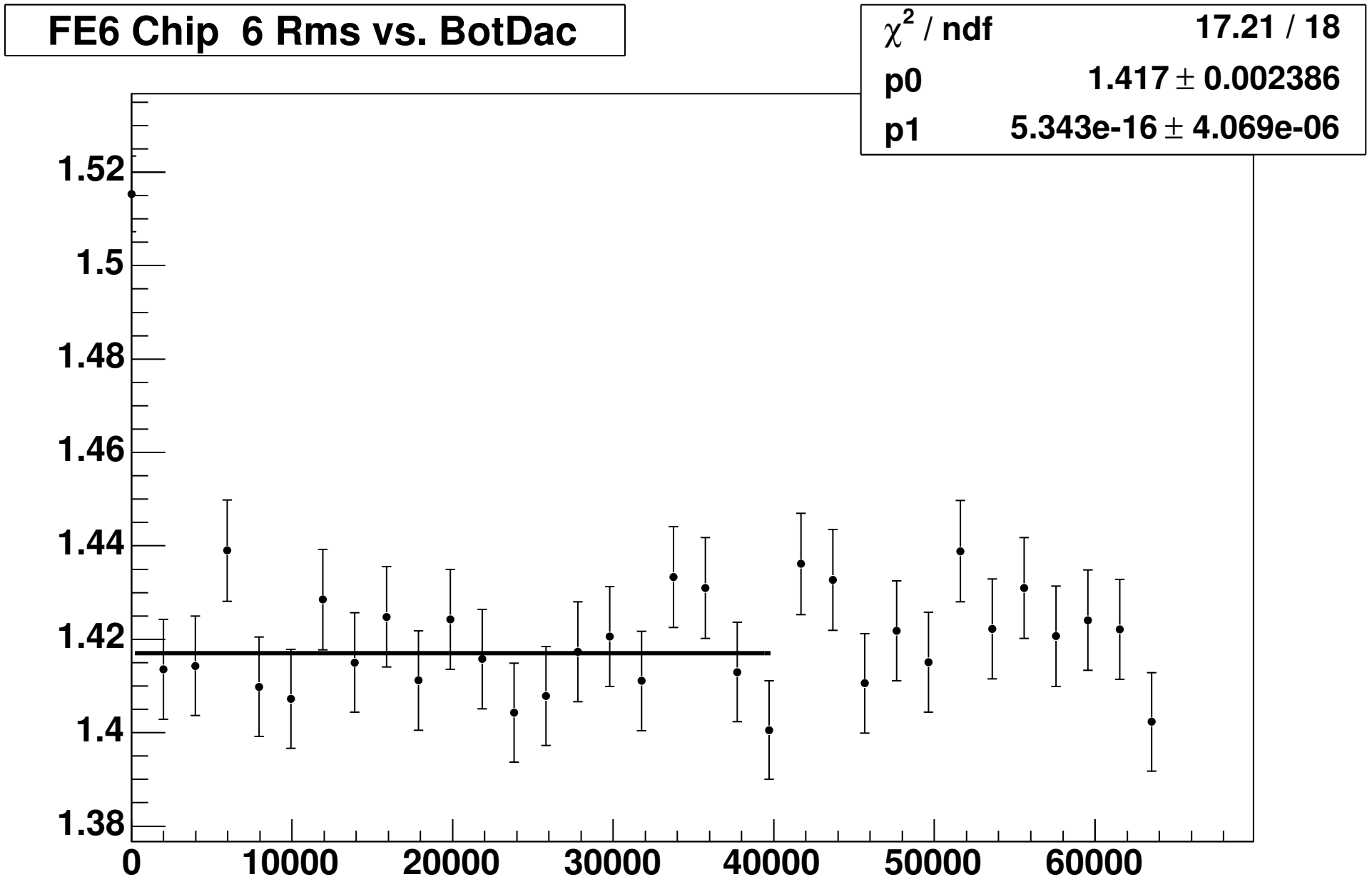

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 22.84 / 18
p0 3.277e+04 ± 0.007059
p1 2.043e-07 ± 2.67e-07
32765
32760
32755
32750
32745
0
10000
20000
30000
40000
50000
60000

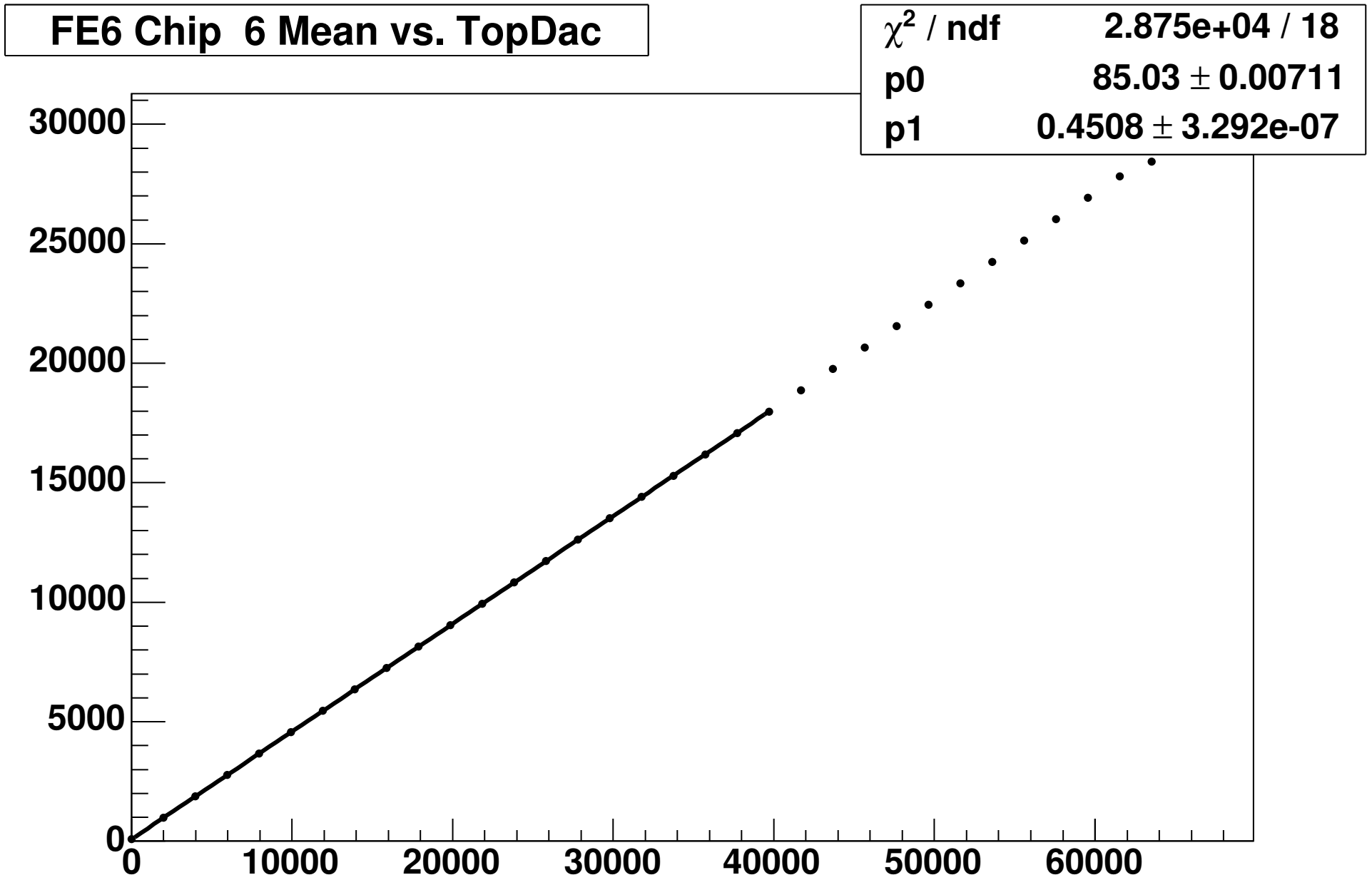

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 2.326e+05 / 18
p0 0.7293 ± 0.004539
p1 2.036e-06 ± 1.968e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000

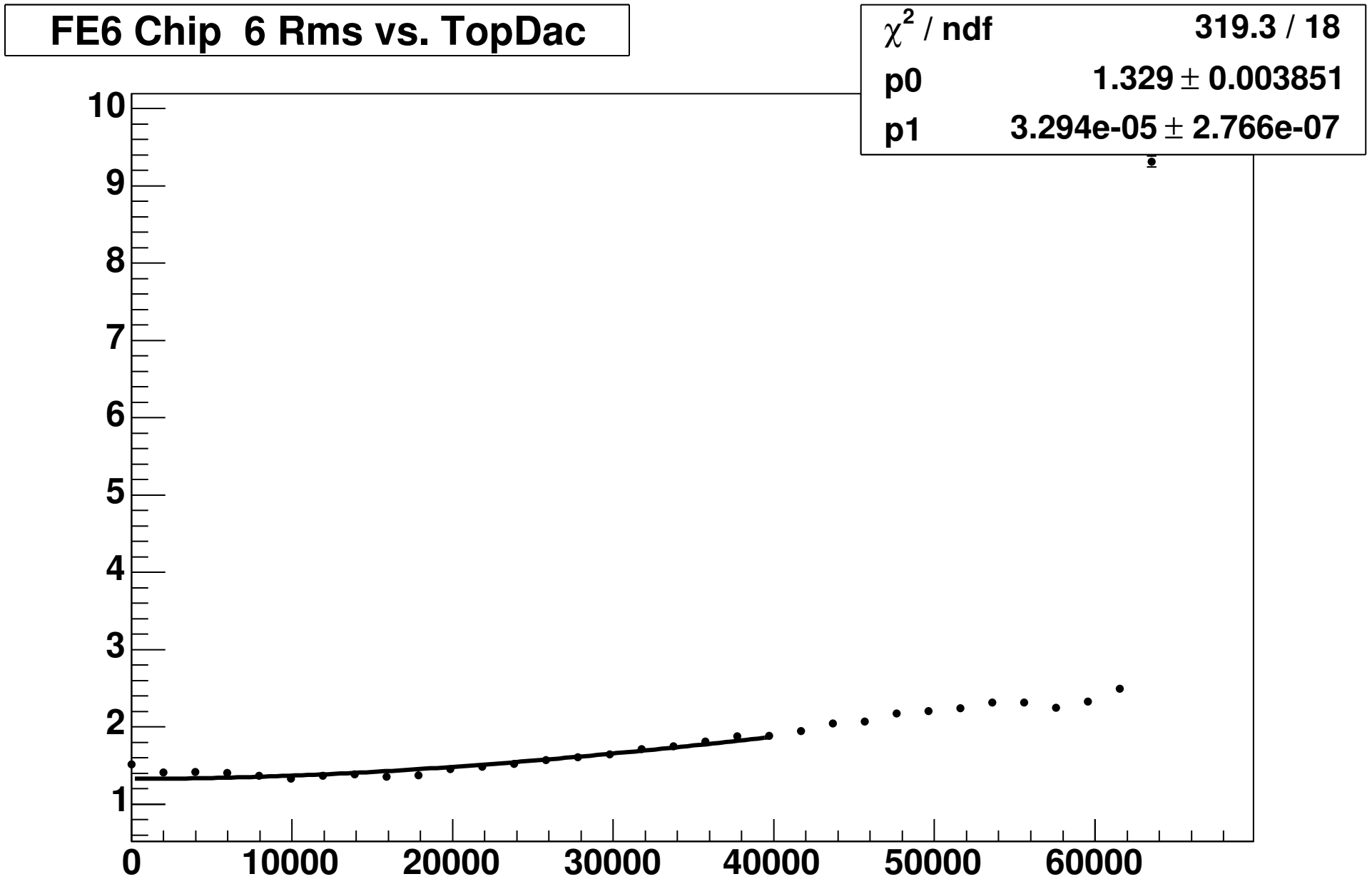

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 14.31 / 18
p0 3.277e+04 ± 0.005535
p1 6.741e-08 ± 2.312e-07
32766
32764
32762
32760
32758
32756
32754
32752
32750
32748
0
10000
20000
30000
40000
50000
60000

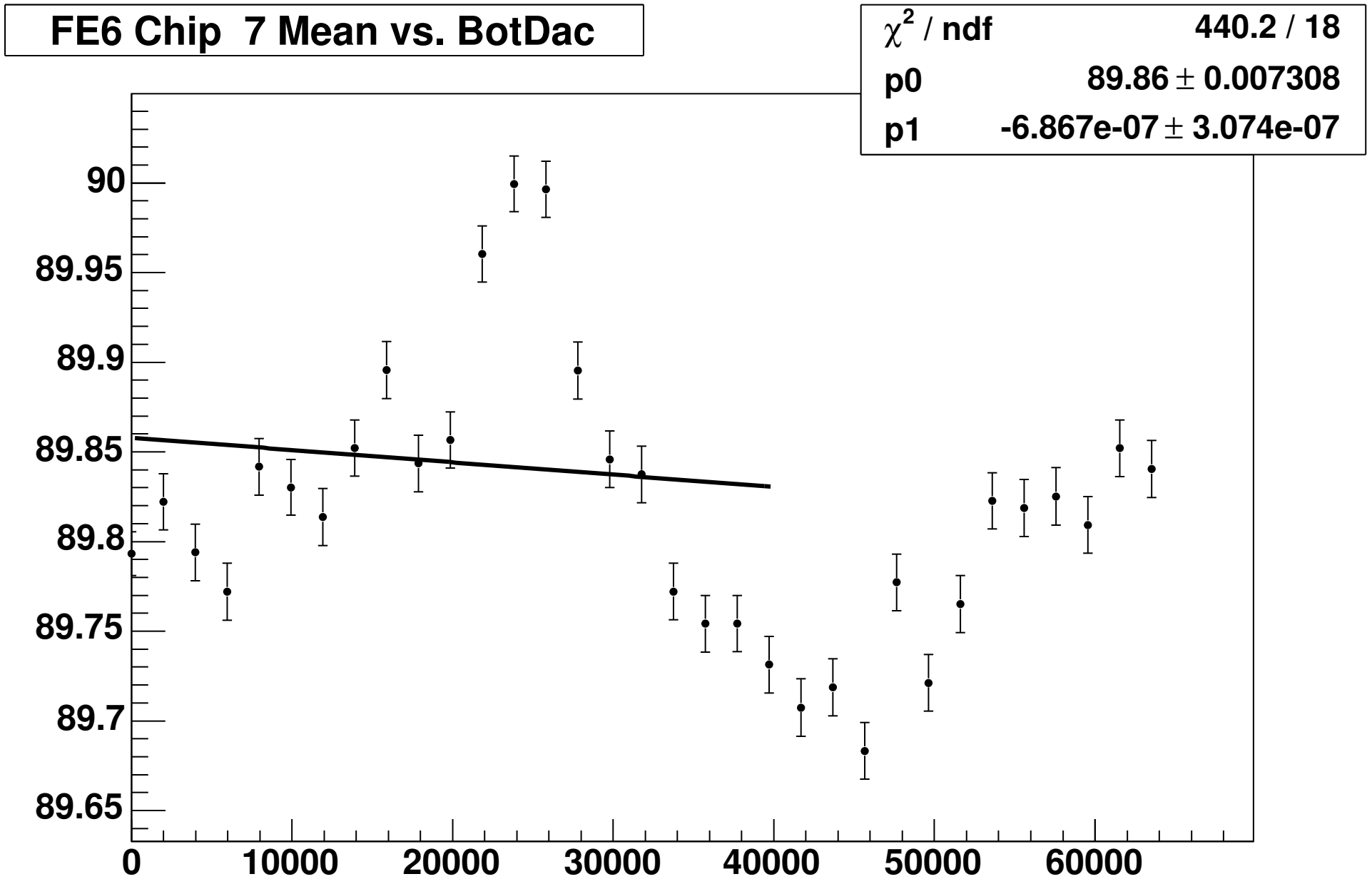

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 1.61e+05 / 18
p0 0.7323 ± 0.001762
p1 1.469e-10 ± 2.747e-06
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000

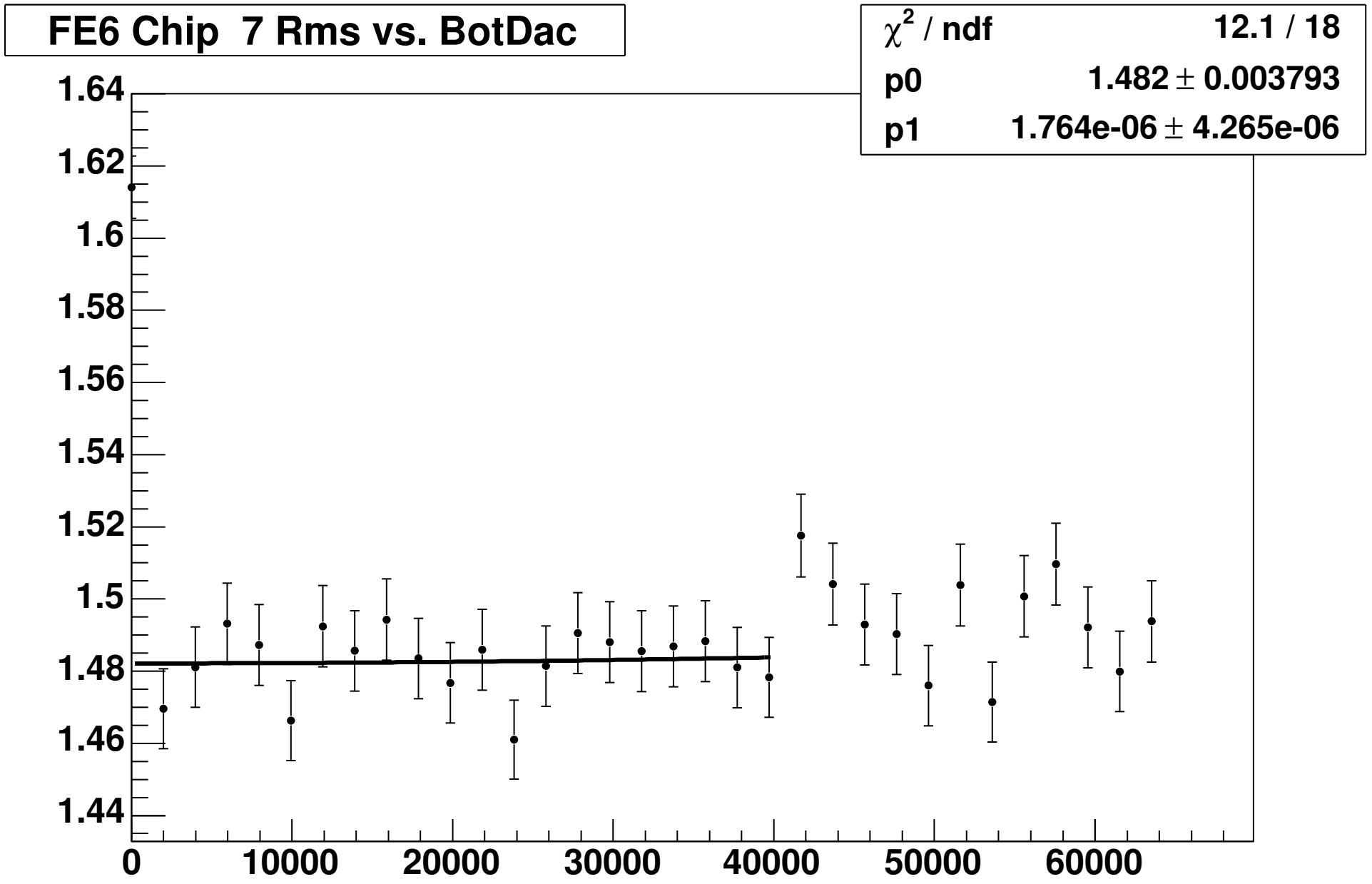

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 455.6 / 18
p0 85.94 ± 0.006995
p1 -7.072e-07 ± 2.94e-07
86.1
86.05
86
85.95
85.9
85.85
85.8
85.75
0
10000
20000
30000
40000
50000
60000

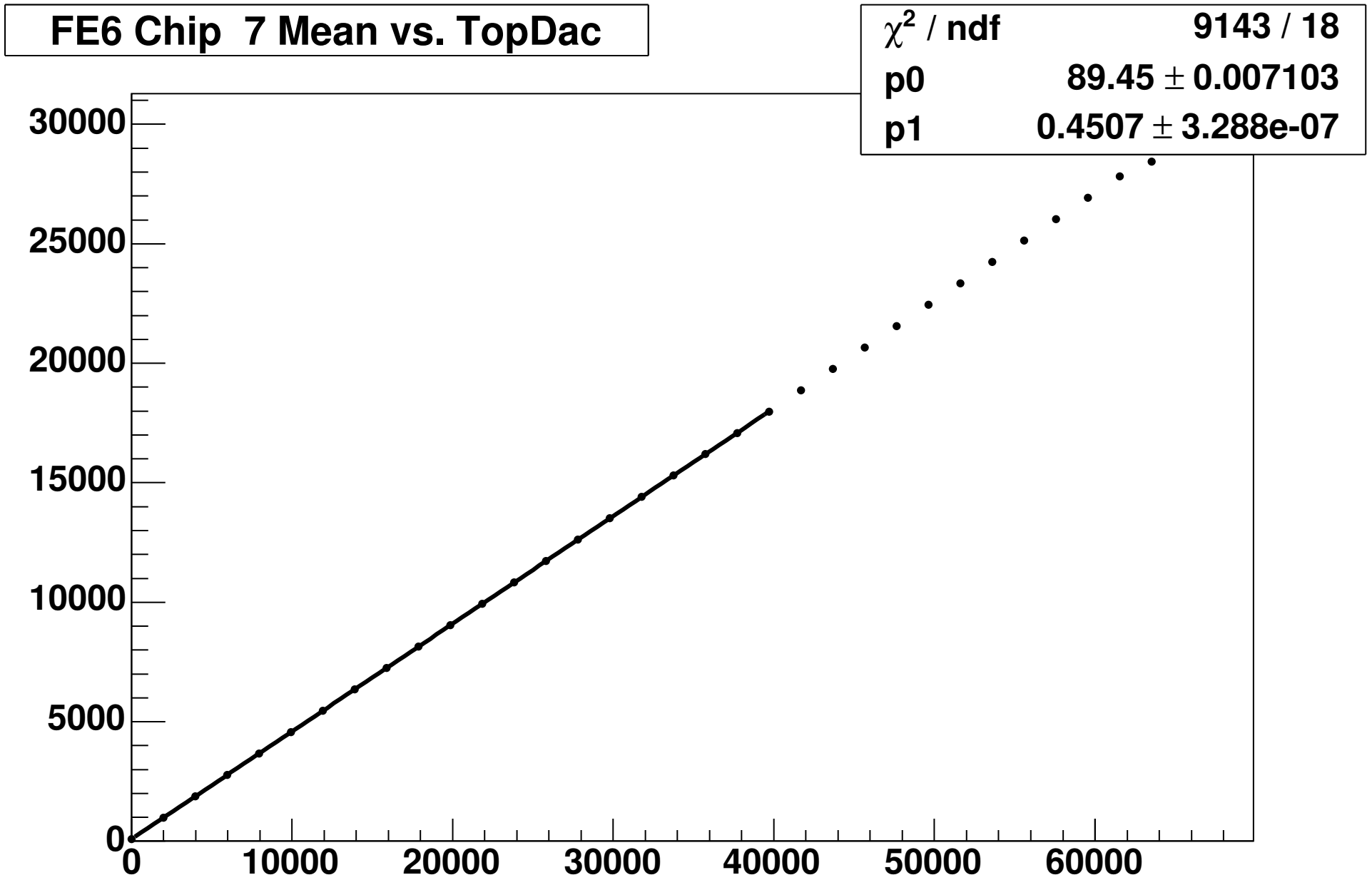

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 17.21 / 18
p0 1.417 ± 0.002386
p1 5.343e-16 ± 4.069e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

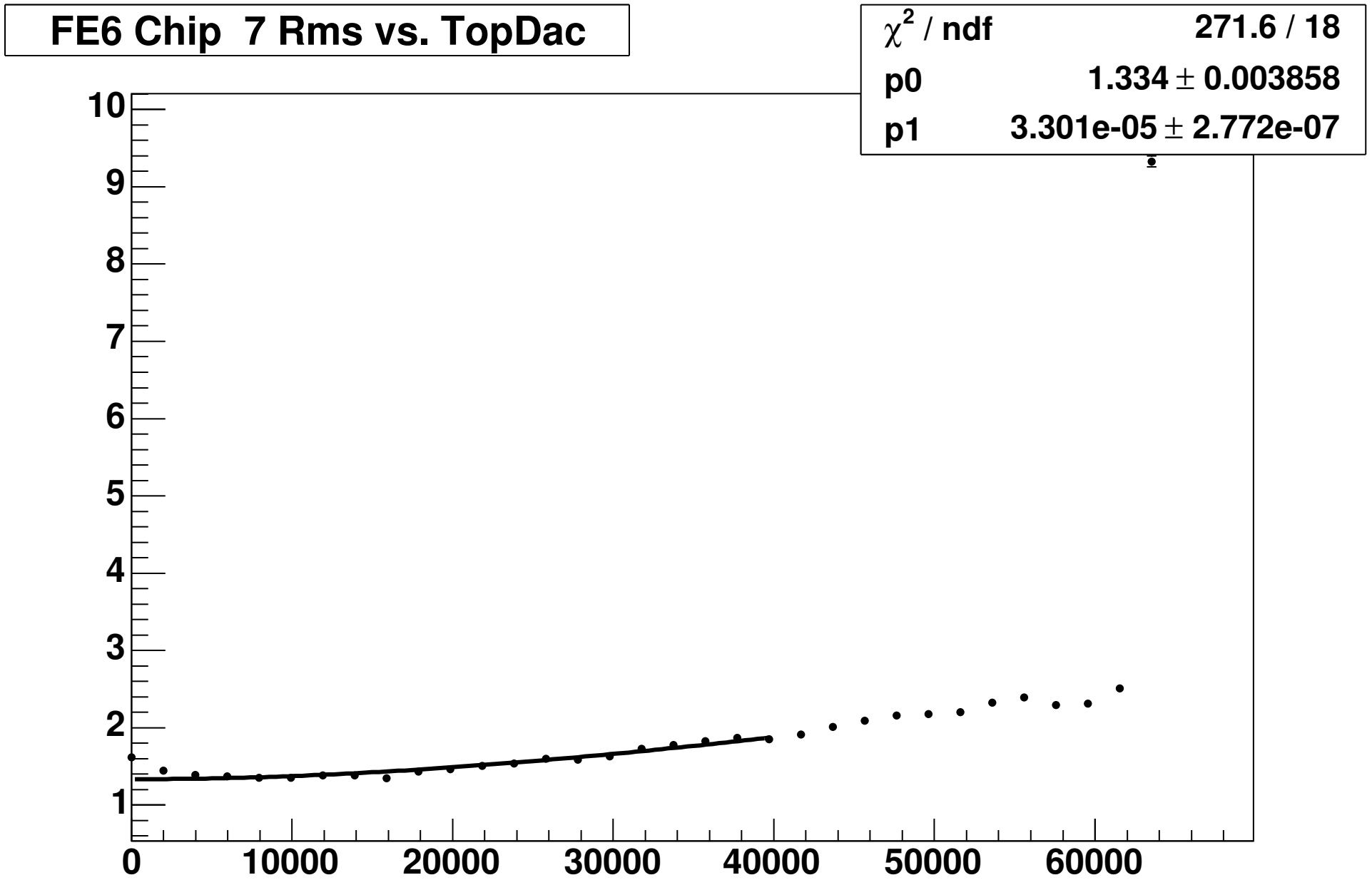

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 2.875e+04 / 18
p0 85.03 ± 0.00711
p1 0.4508 ± 3.292e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

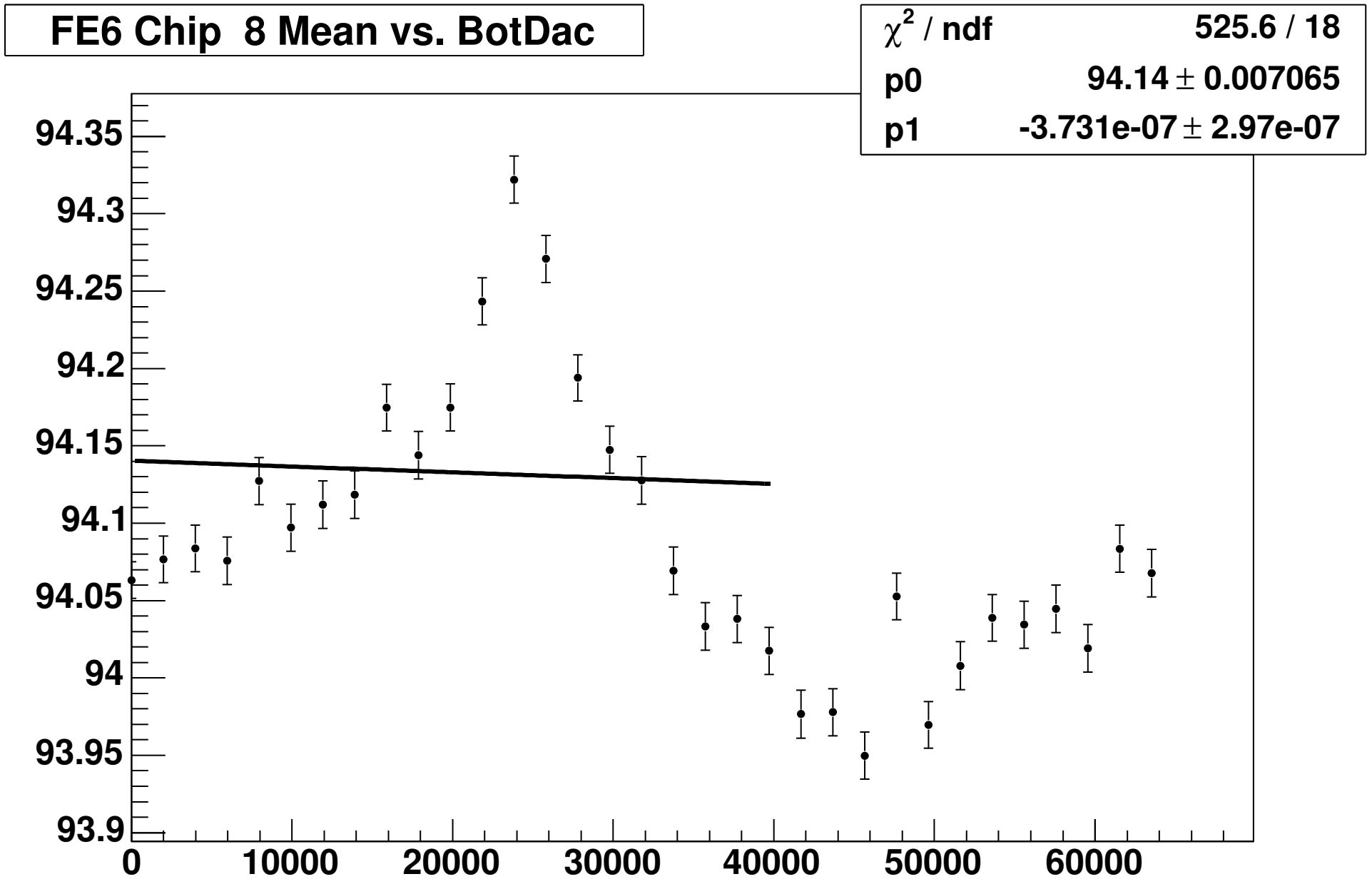

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 319.3 / 18
p0 1.329 ± 0.003851
p1 3.294e-05 ± 2.766e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

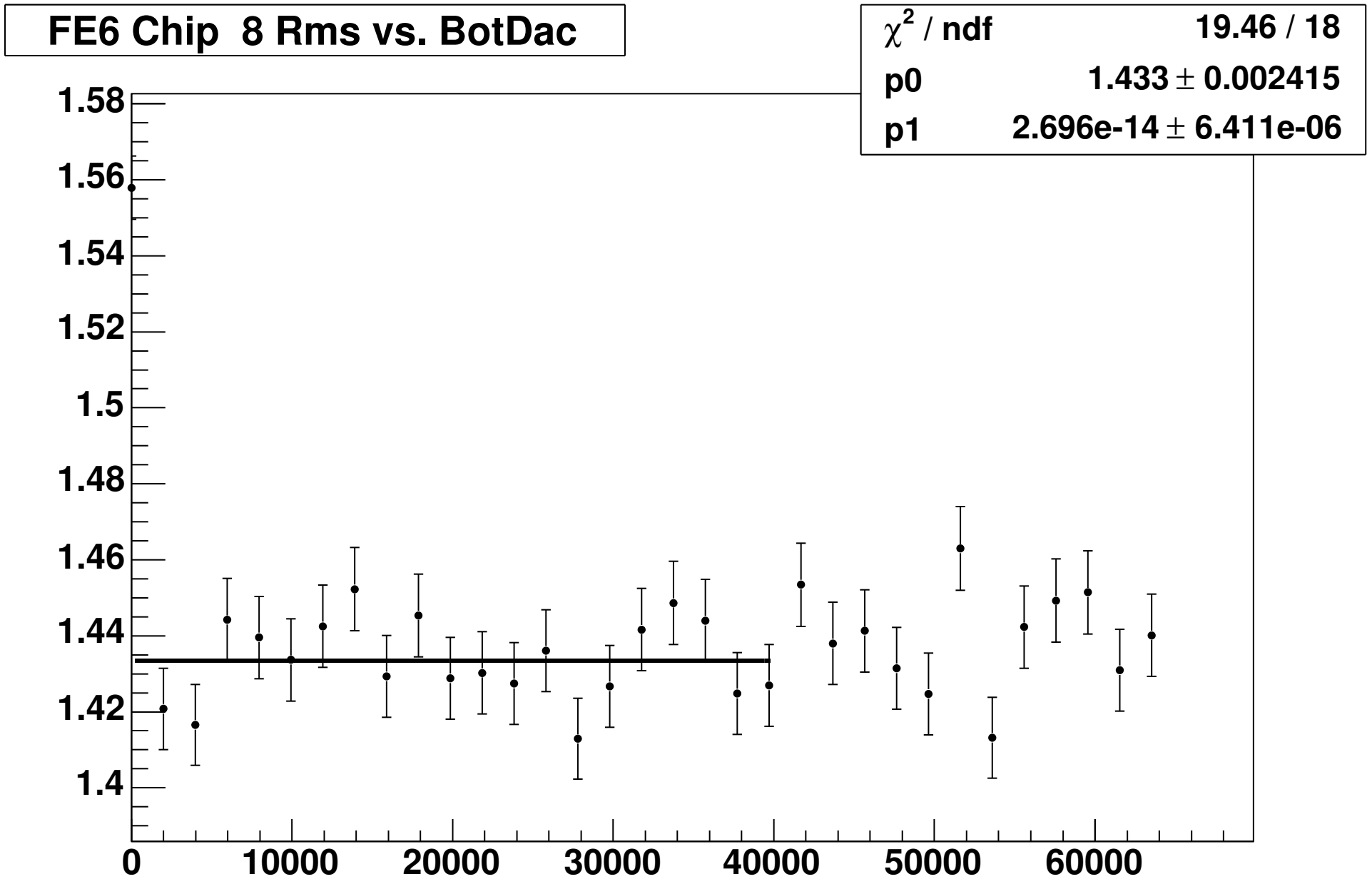

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 440.2 / 18
p0 89.86 ± 0.007308
p1 -6.867e-07 ± 3.074e-07
90
89.95
89.9
89.85
89.8
89.75
89.7
89.65
0
10000
20000
30000
40000
50000
60000

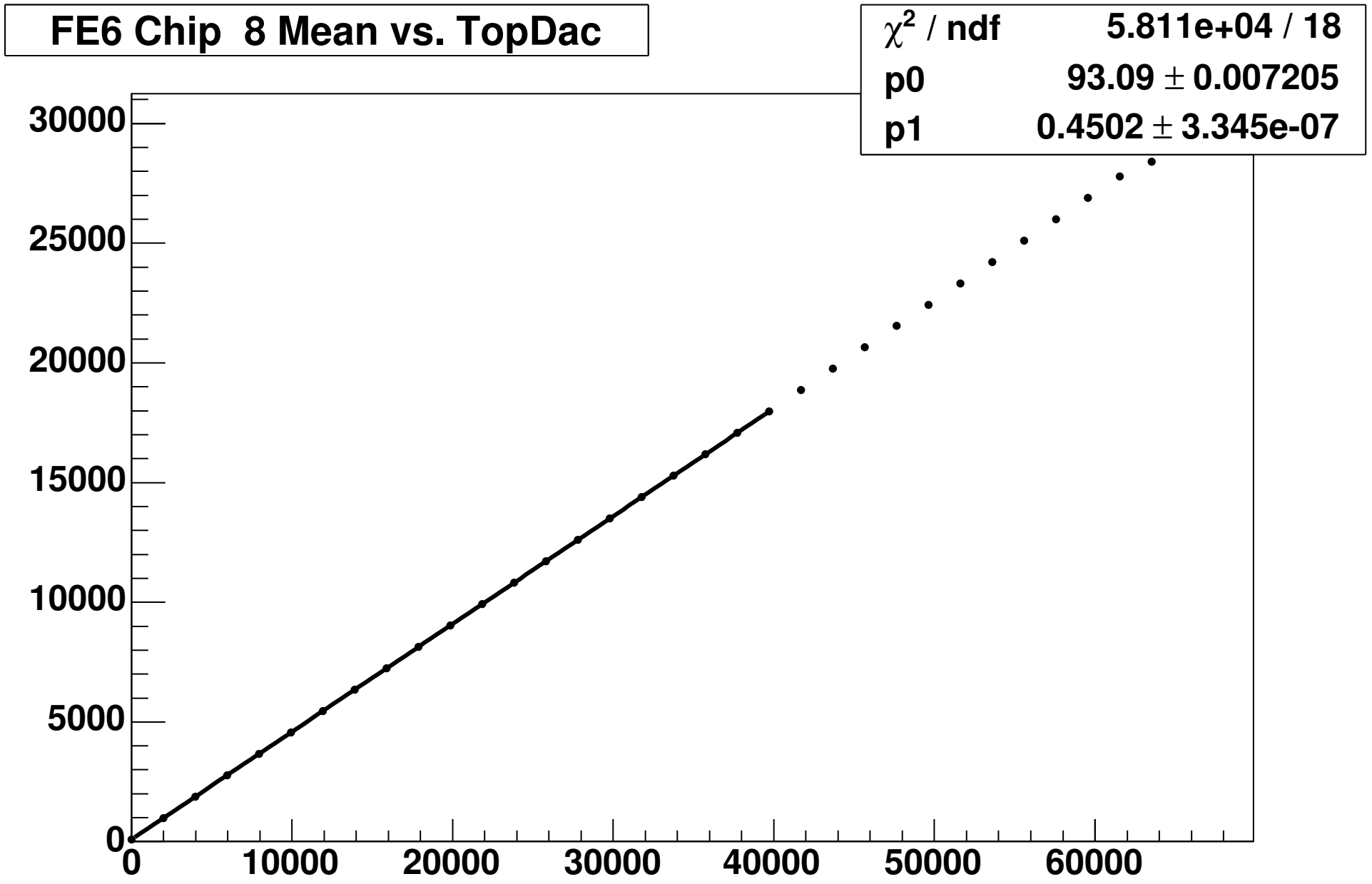

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 12.1 / 18
p0 1.482 ± 0.003793
p1 1.764e-06 ± 4.265e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

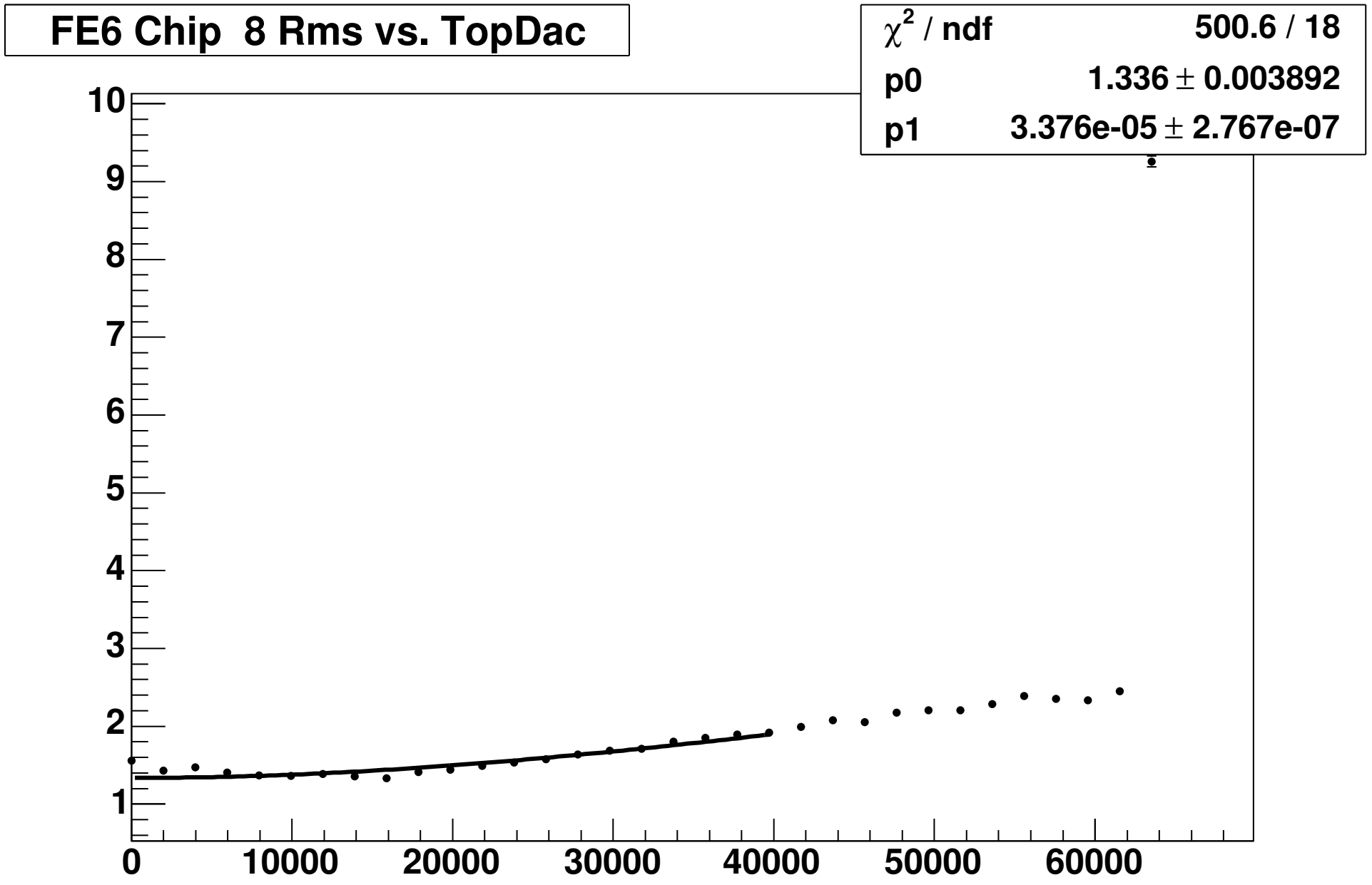

FE6 Chip 7 Mean vs. TopDac
χ^2 / ndf 9143 / 18
p0 89.45 ± 0.007103
p1 0.4507 ± 3.288e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

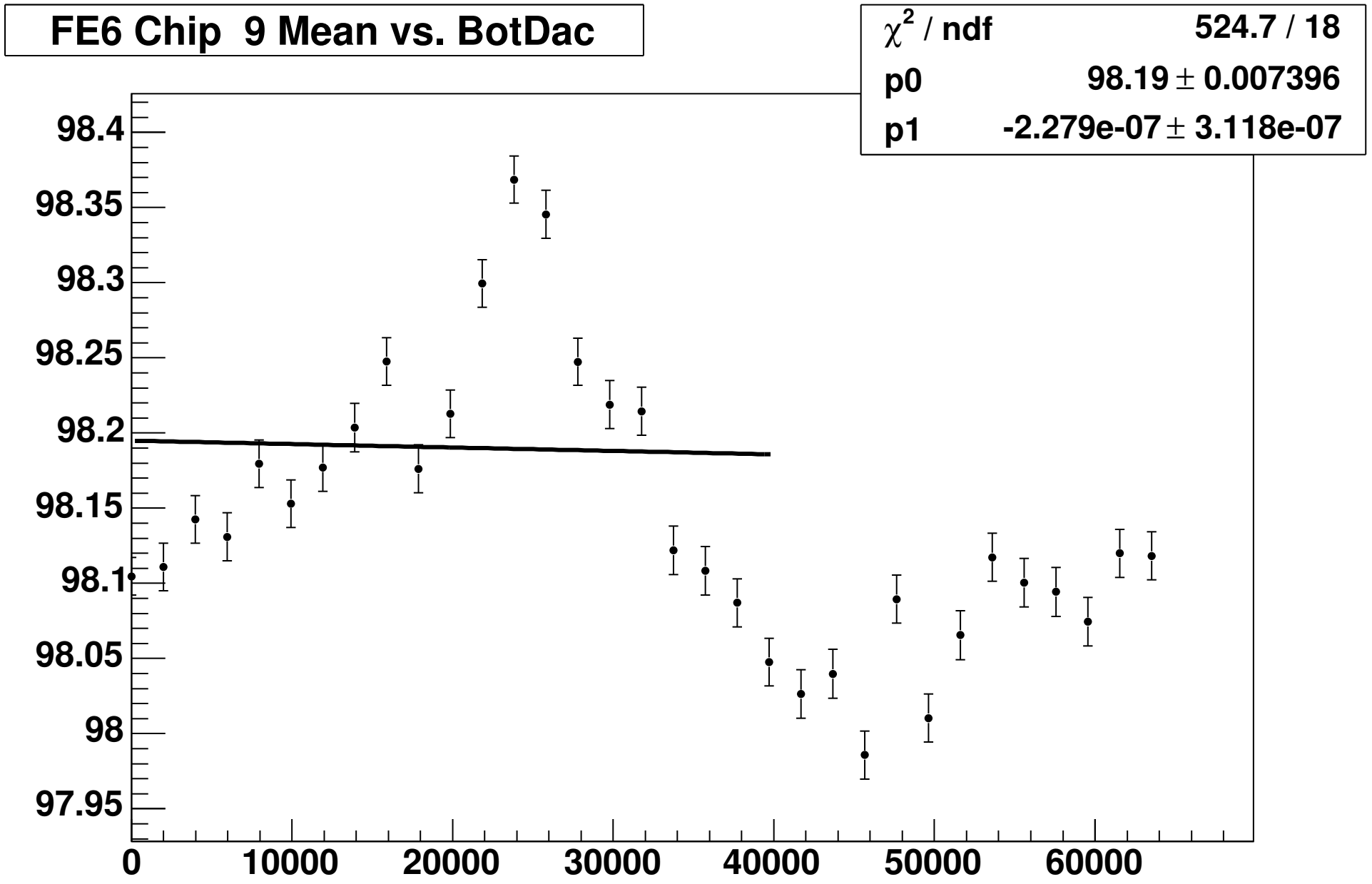

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 271.6 / 18
p0 1.334 ± 0.003858
p1 3.301e-05 ± 2.772e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

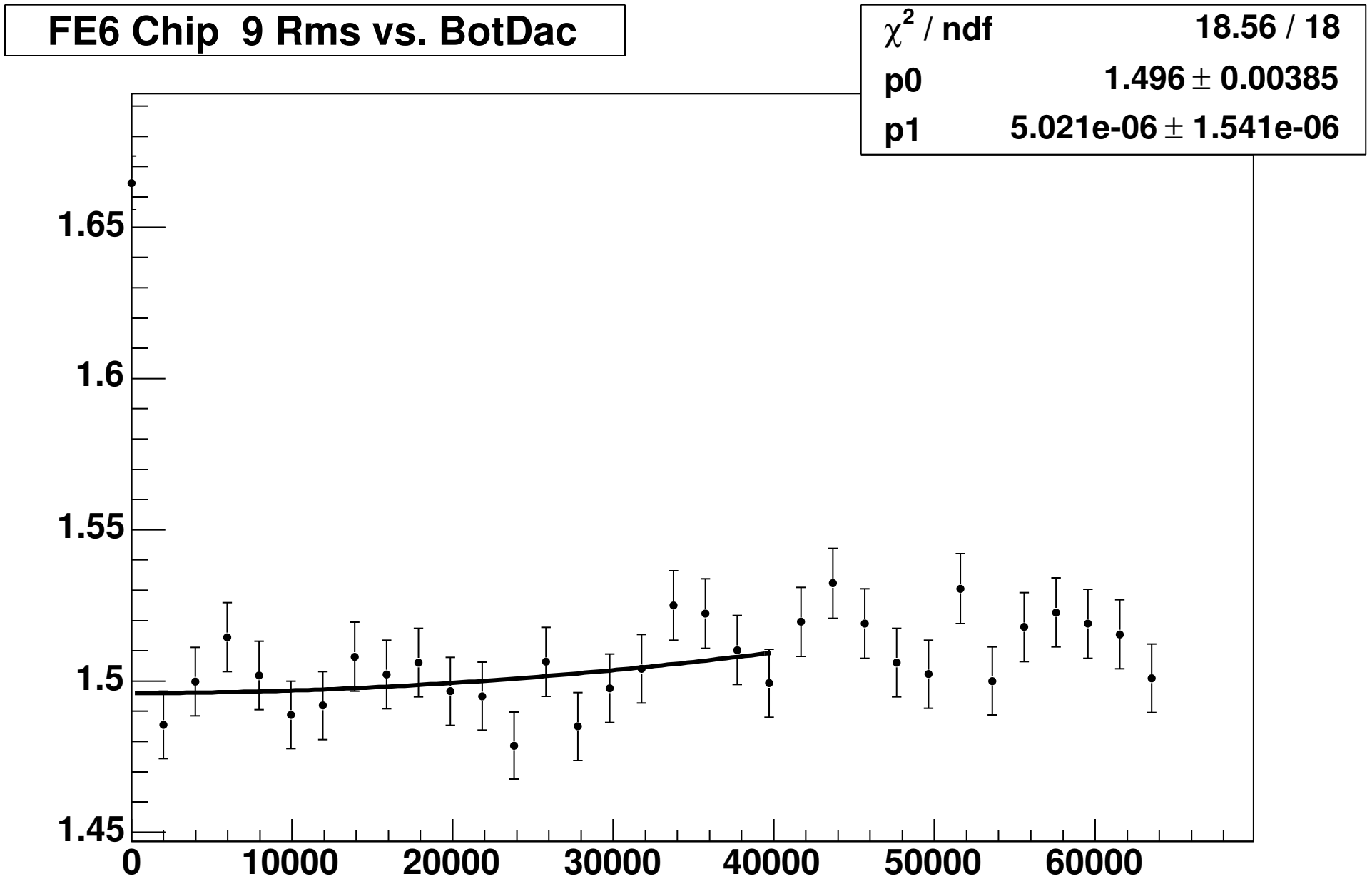

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 525.6 / 18
p0 94.14 ± 0.007065
p1 -3.731e-07 ± 2.97e-07
94.35
94.3
94.25
94.2
94.15
94.1
94.05
94
93.95
93.9
0
10000
20000
30000
40000
50000
60000

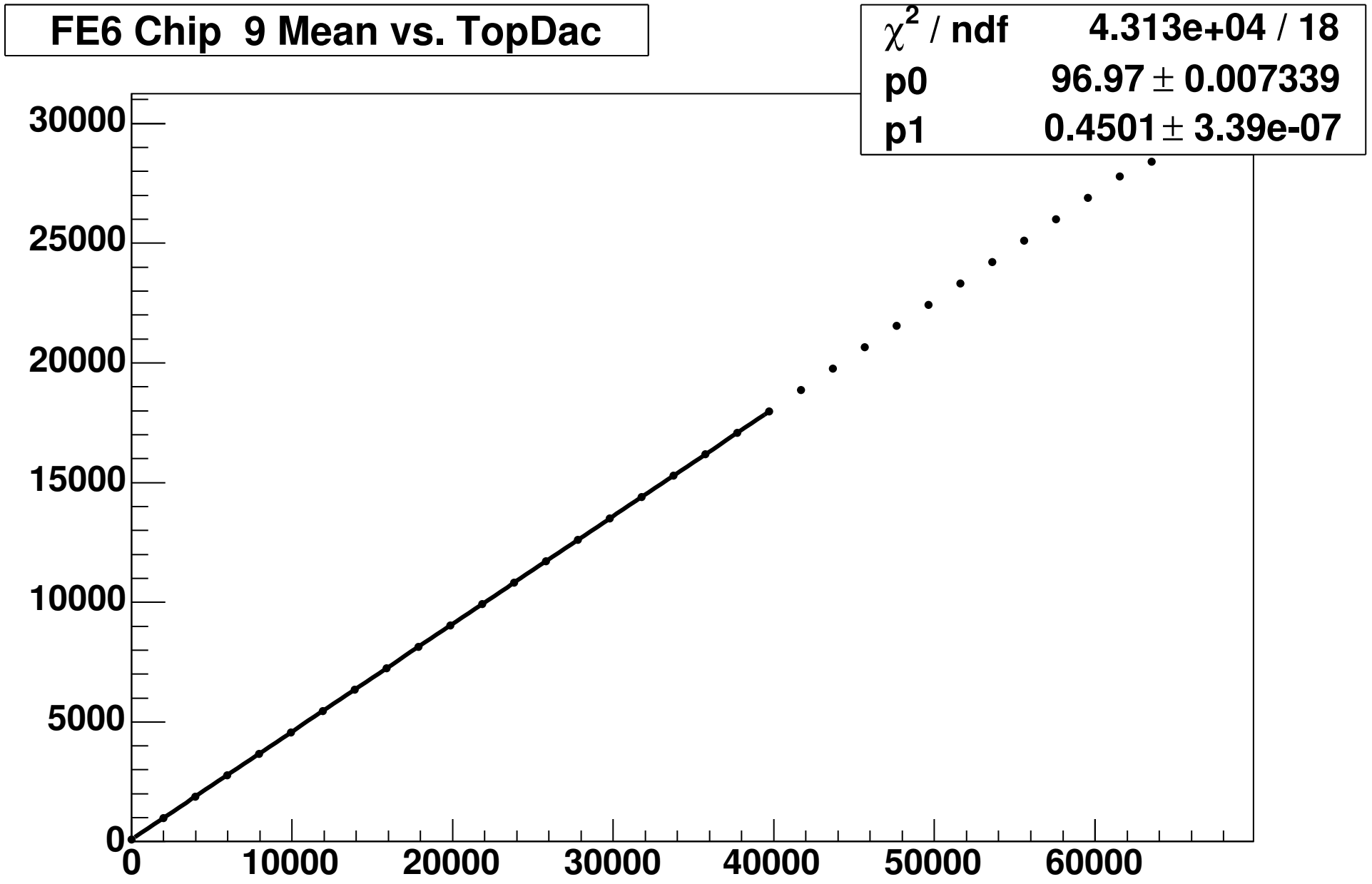

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 19.46 / 18
p0 1.433 ± 0.002415
p1 2.696e-14 ± 6.411e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

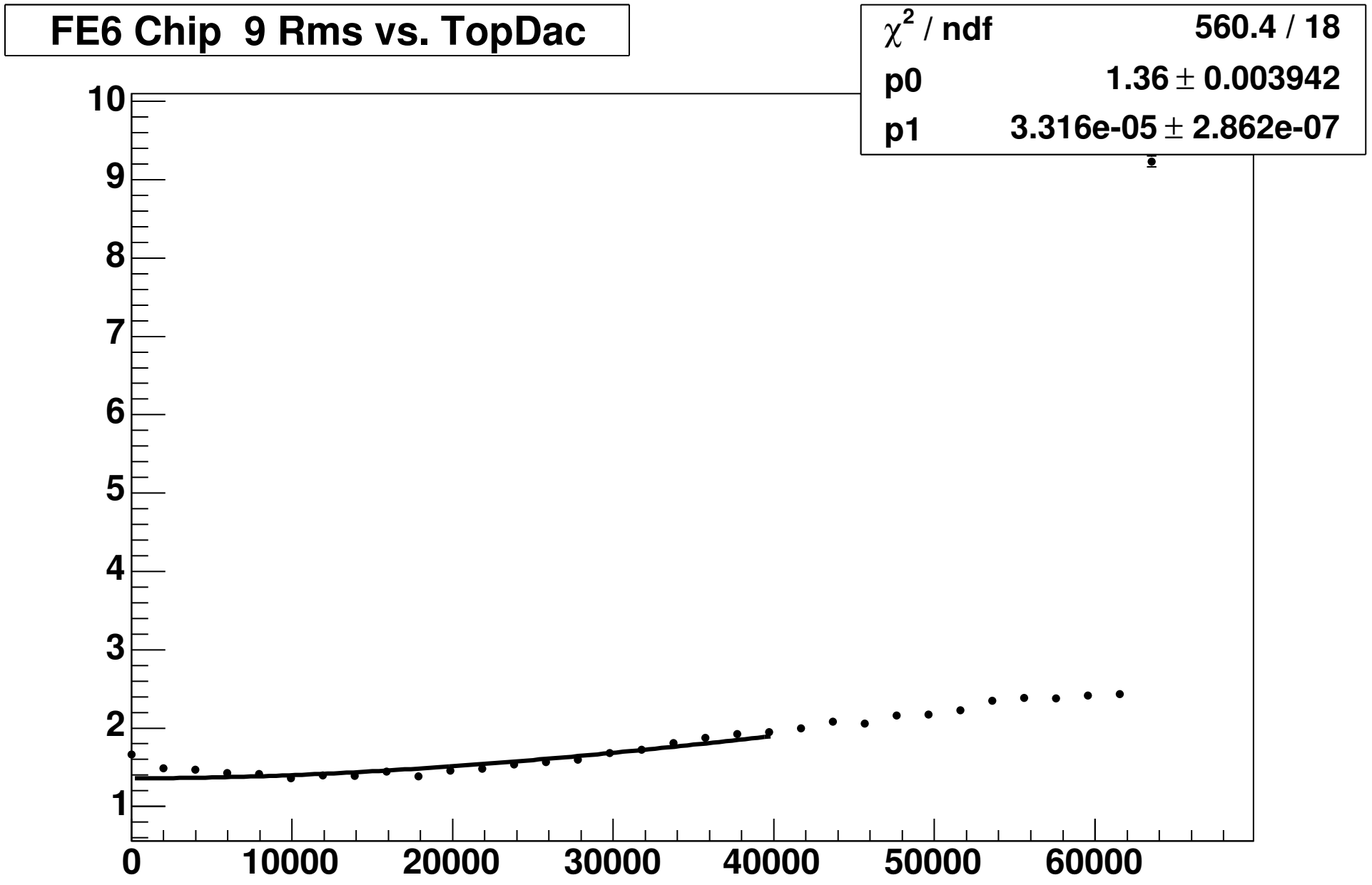

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 5.811e+04 / 18
p0 93.09 ± 0.007205
p1 0.4502 ± 3.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

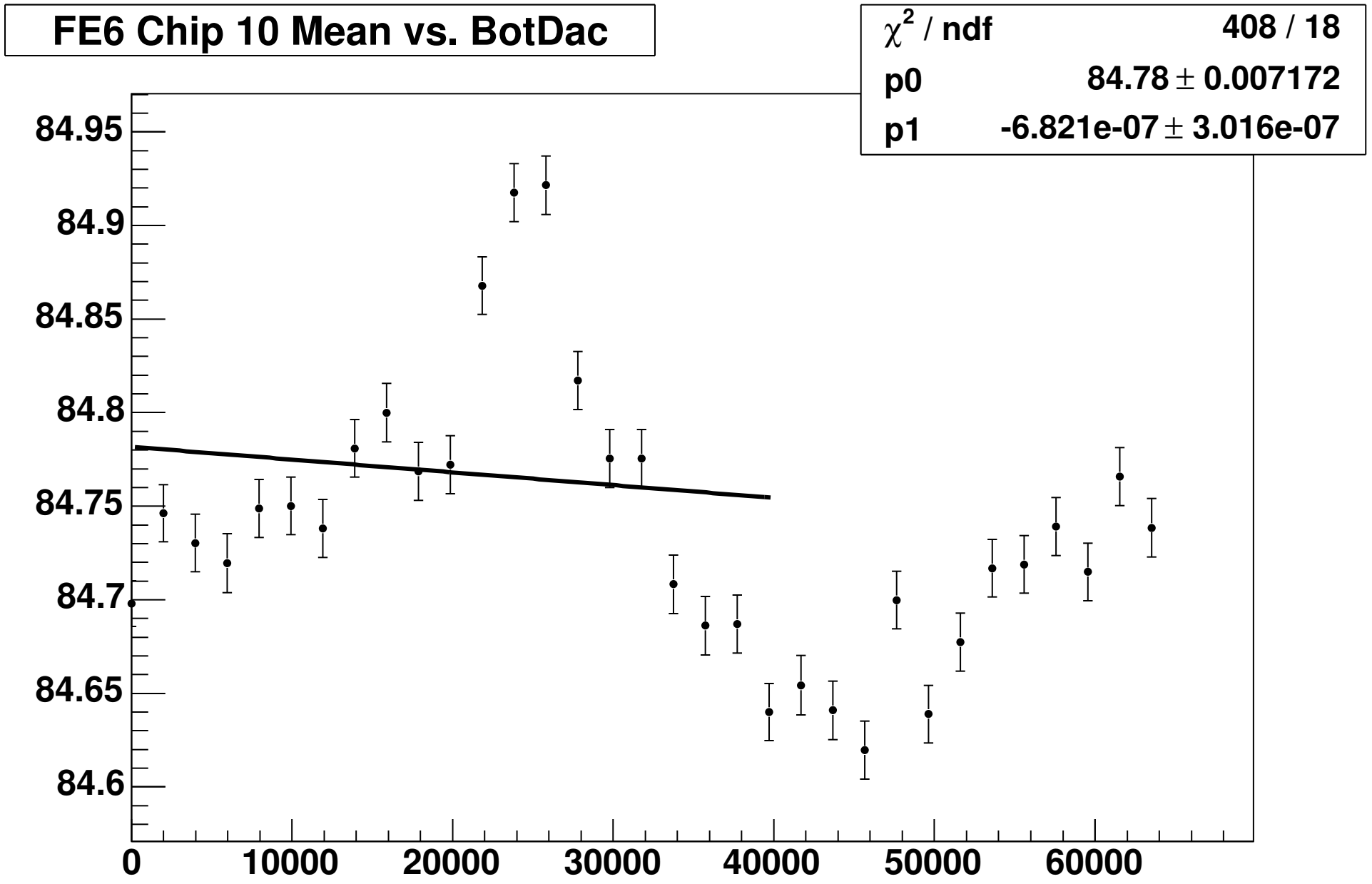

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 500.6 / 18
p0 1.336 ± 0.003892
p1 3.376e-05 ± 2.767e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

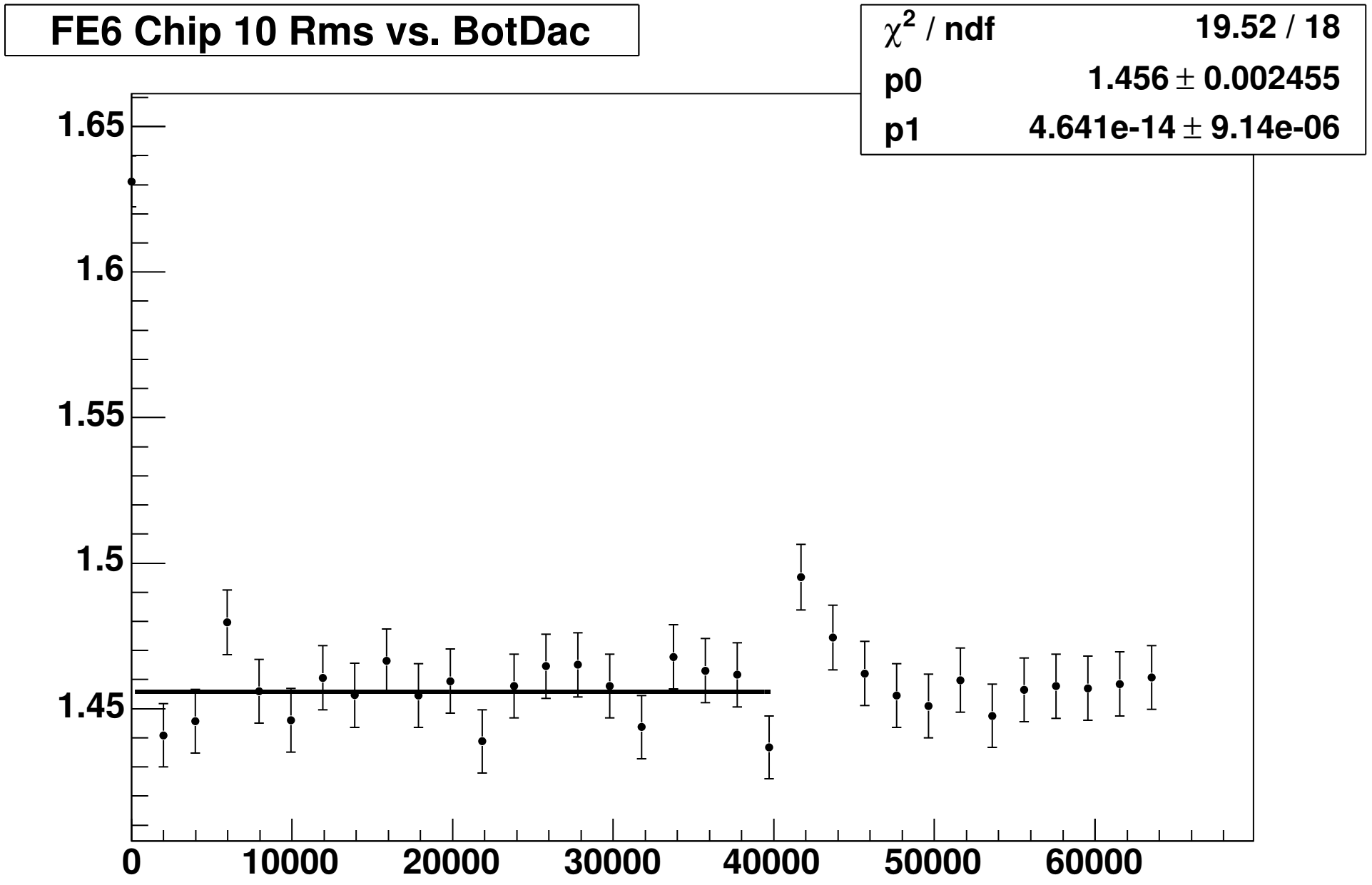

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 524.7 / 18
p0 98.19 ± 0.007396
p1 -2.279e-07 ± 3.118e-07
98.4
98.35
98.3
98.25
98.2
98.15
98.1
98.05
98
97.95
0
10000
20000
30000
40000
50000
60000

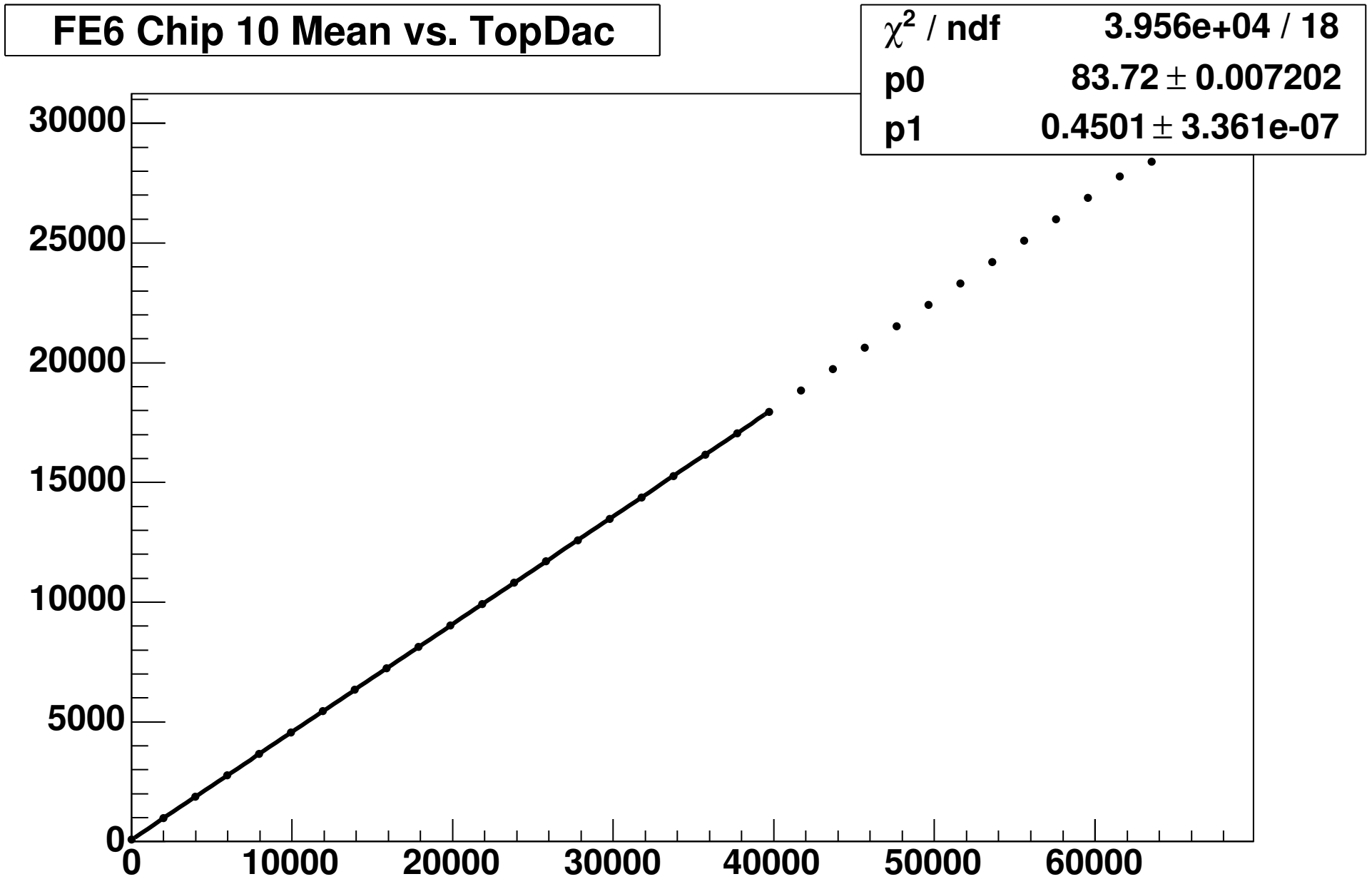

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 18.56 / 18
p0 1.496 ± 0.00385
p1 5.021e-06 ± 1.541e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

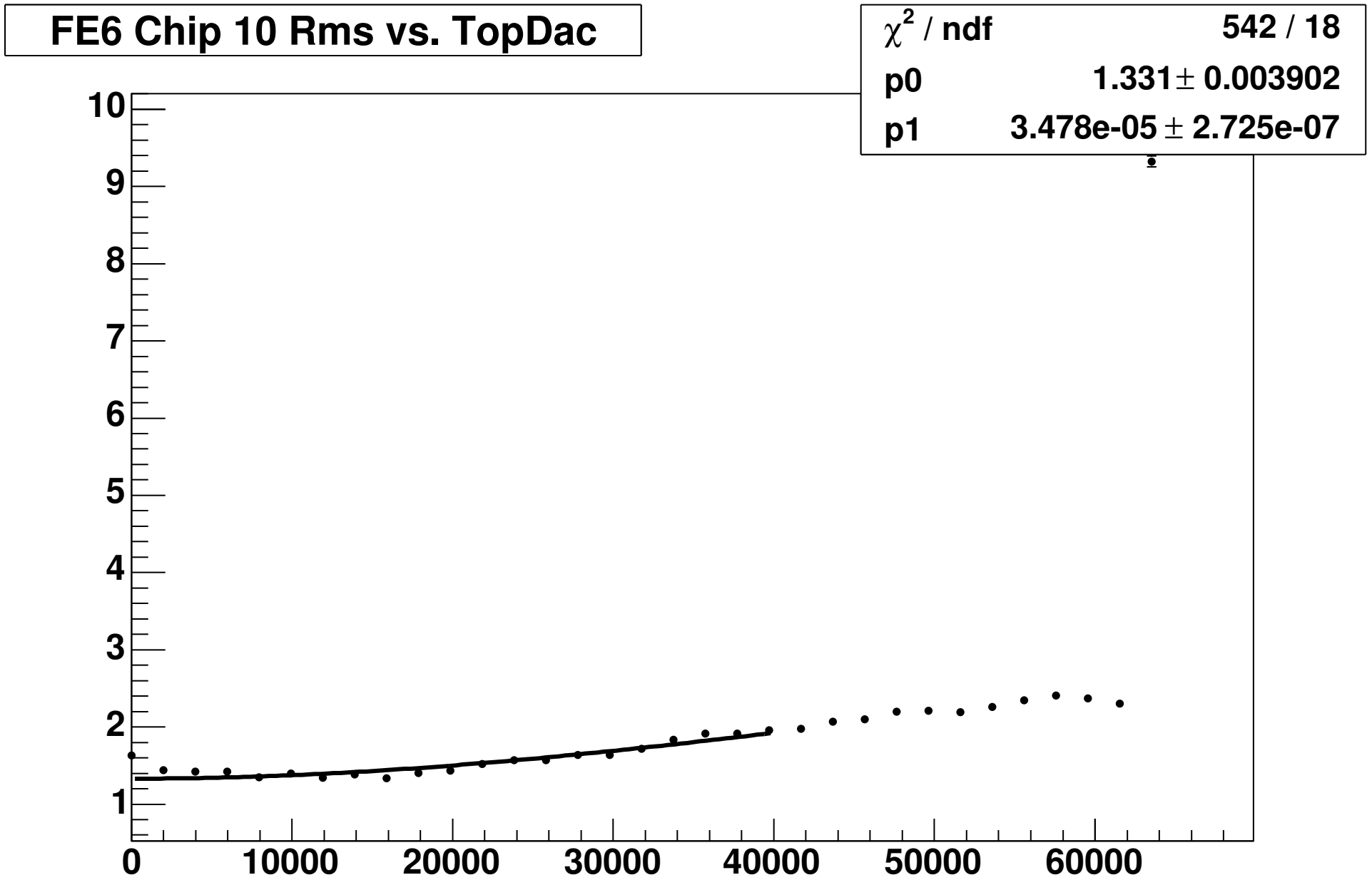

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 4.313e+04 / 18
p0 96.97 ± 0.007339
p1 0.4501 ± 3.39e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

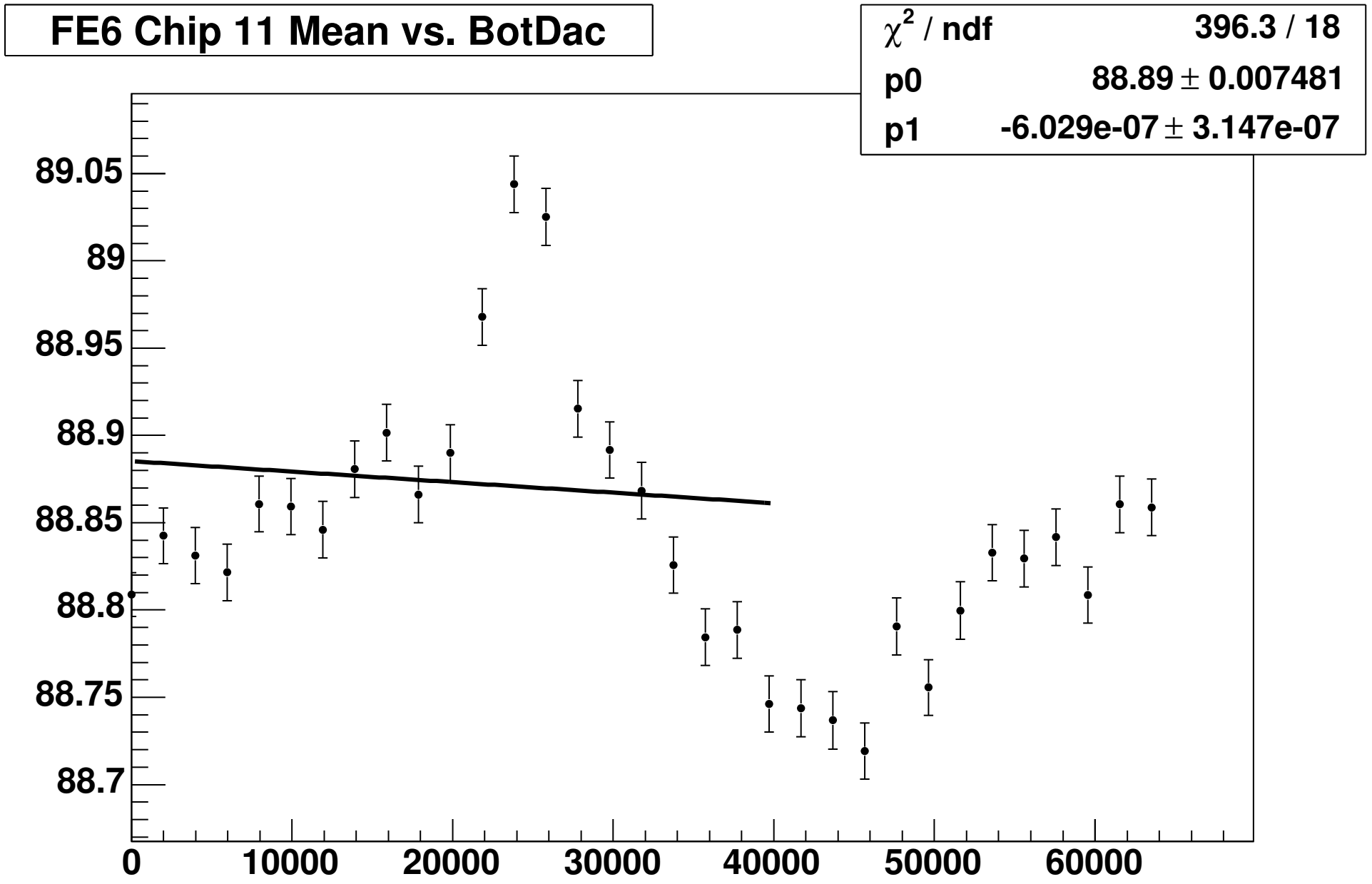

FE6 Chip 9 Rms vs. TopDac
χ² / ndf 560.4 / 18
p0 1.36 ± 0.003942
p1 3.316e-05 ± 2.862e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

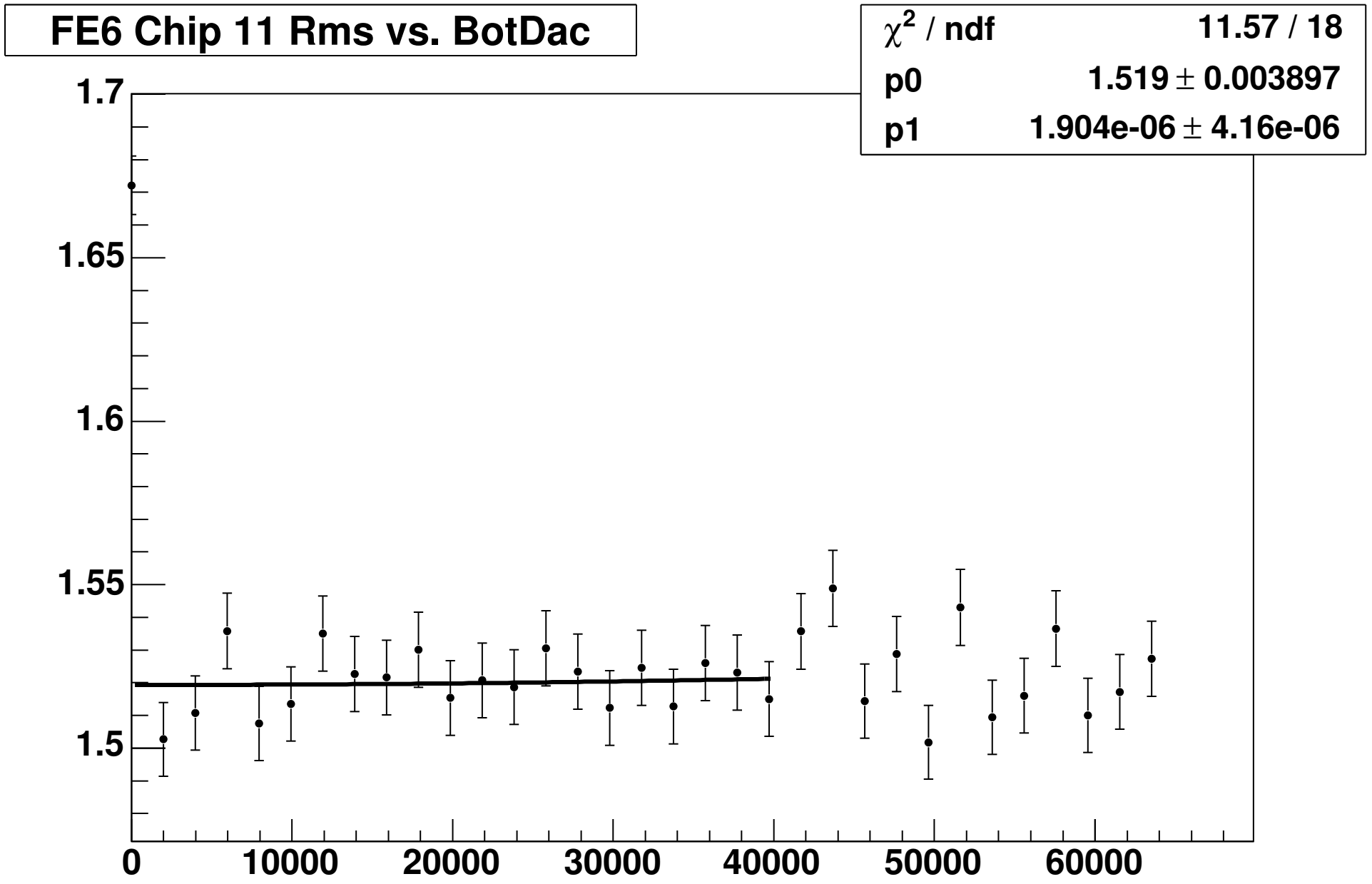

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 408 / 18
p0 84.78 ± 0.007172
p1 -6.821e-07 ± 3.016e-07
84.95
84.9
84.85
84.8
84.75
84.7
84.65
84.6
0
10000
20000
30000
40000
50000
60000

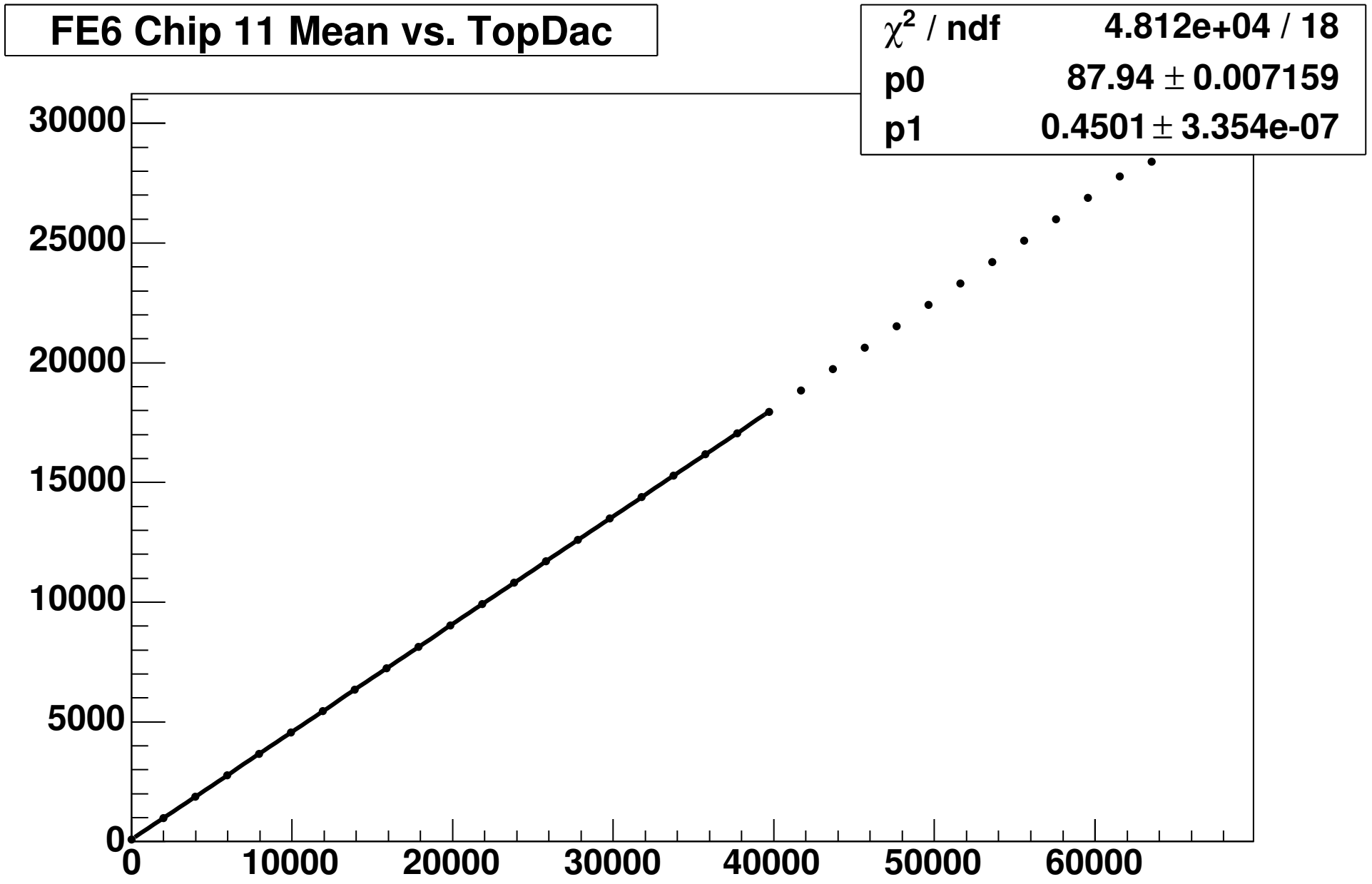

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 19.52 / 18
p0 1.456 ± 0.002455
p1 4.641e-14 ± 9.14e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

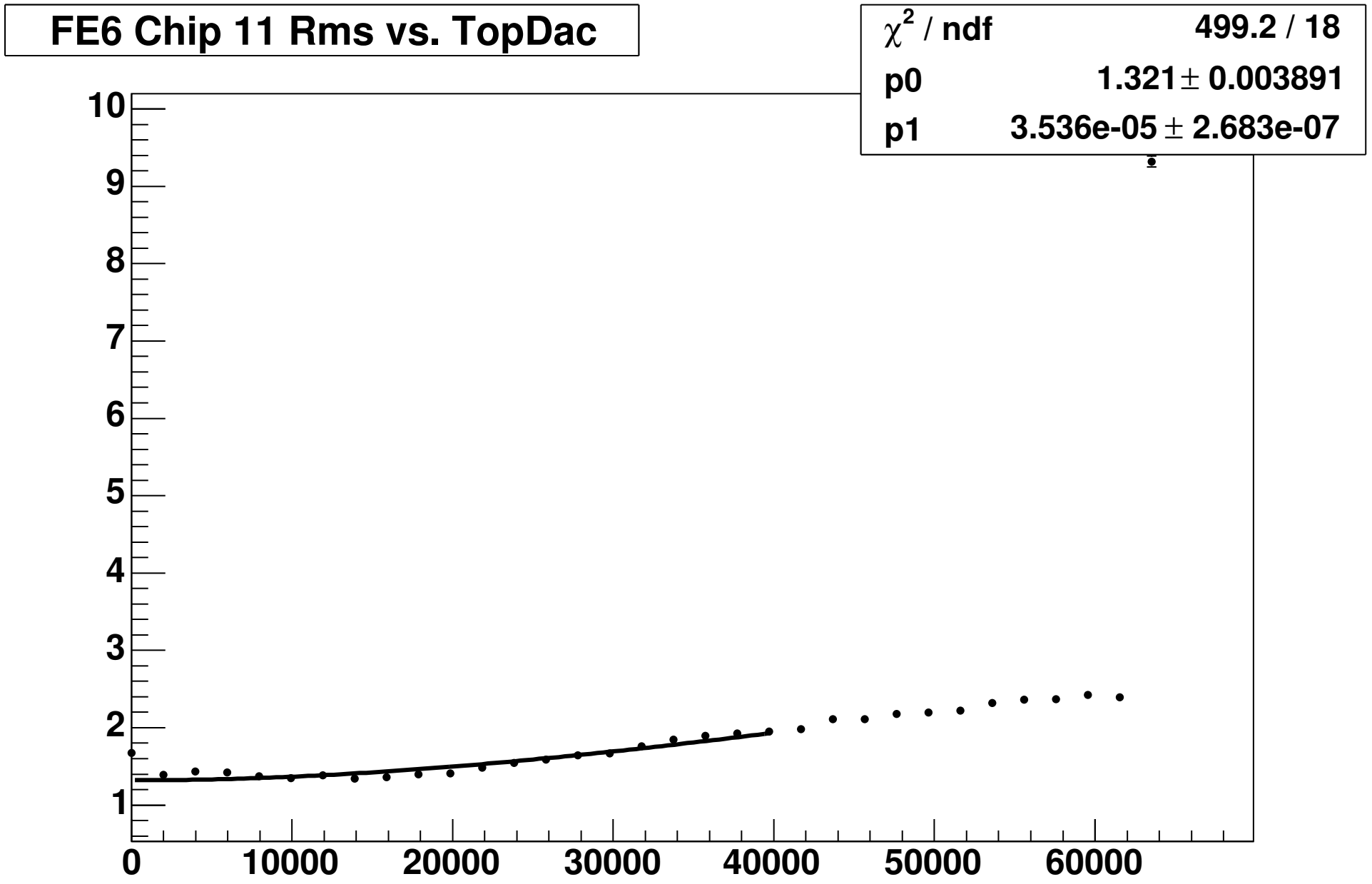

FE6 Chip 10 Mean vs. TopDac
χ² / ndf 3.956e+04 / 18
p0 83.72 ± 0.007202
p1 0.4501 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 542 / 18
p0 1.331 ± 0.003902
p1 3.478e-05 ± 2.725e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 396.3 / 18
p0 88.89 ± 0.007481
p1 -6.029e-07 ± 3.147e-07
89.05
89
88.95
88.9
88.85
88.8
88.75
88.7
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 11.57 / 18
p0 1.519 ± 0.003897
p1 1.904e-06 ± 4.16e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 4.812e+04 / 18
p0 87.94 ± 0.007159
p1 0.4501 ± 3.354e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 499.2 / 18
p0 1.321 ± 0.003891
p1 3.536e-05 ± 2.683e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
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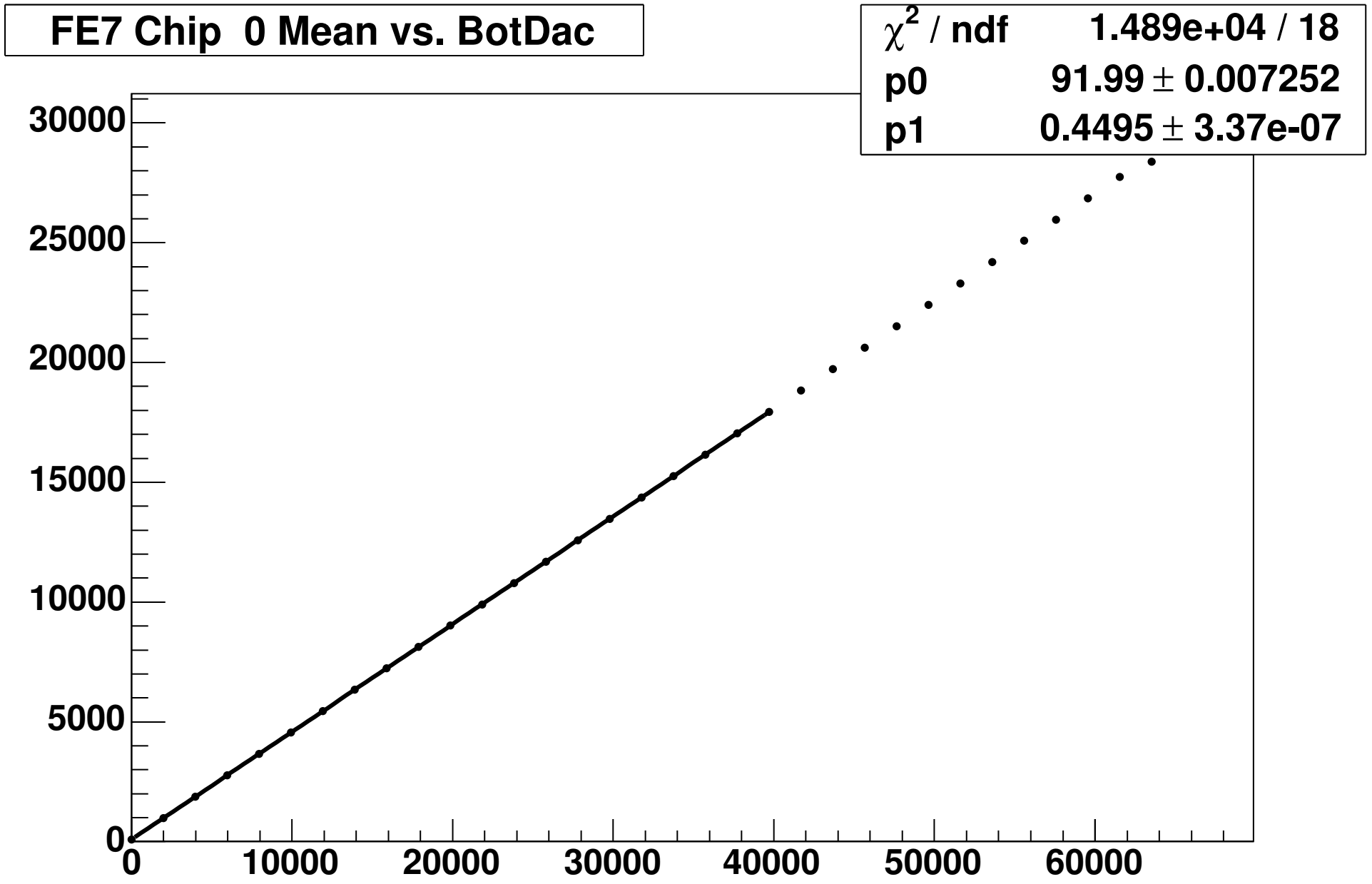
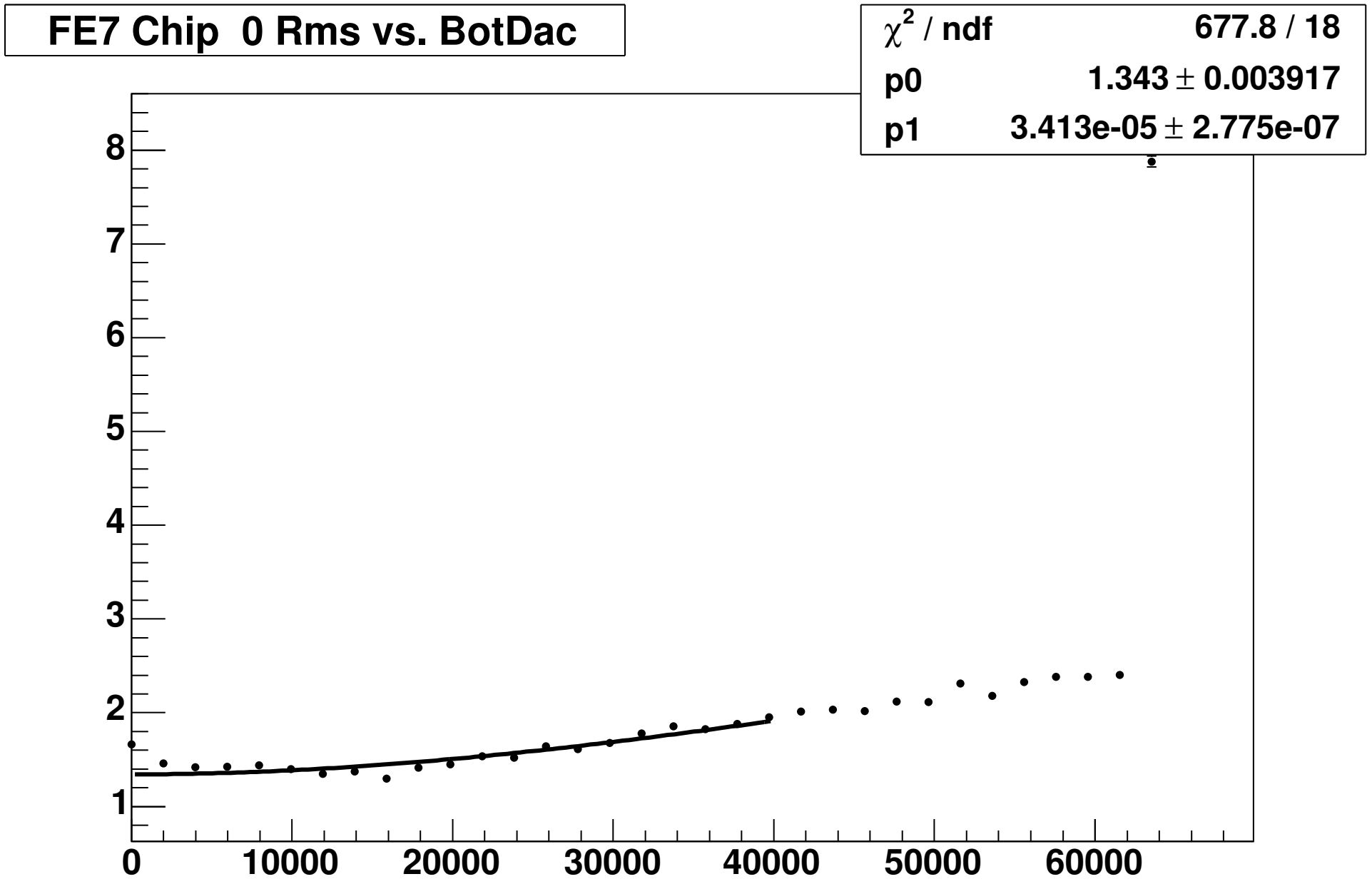
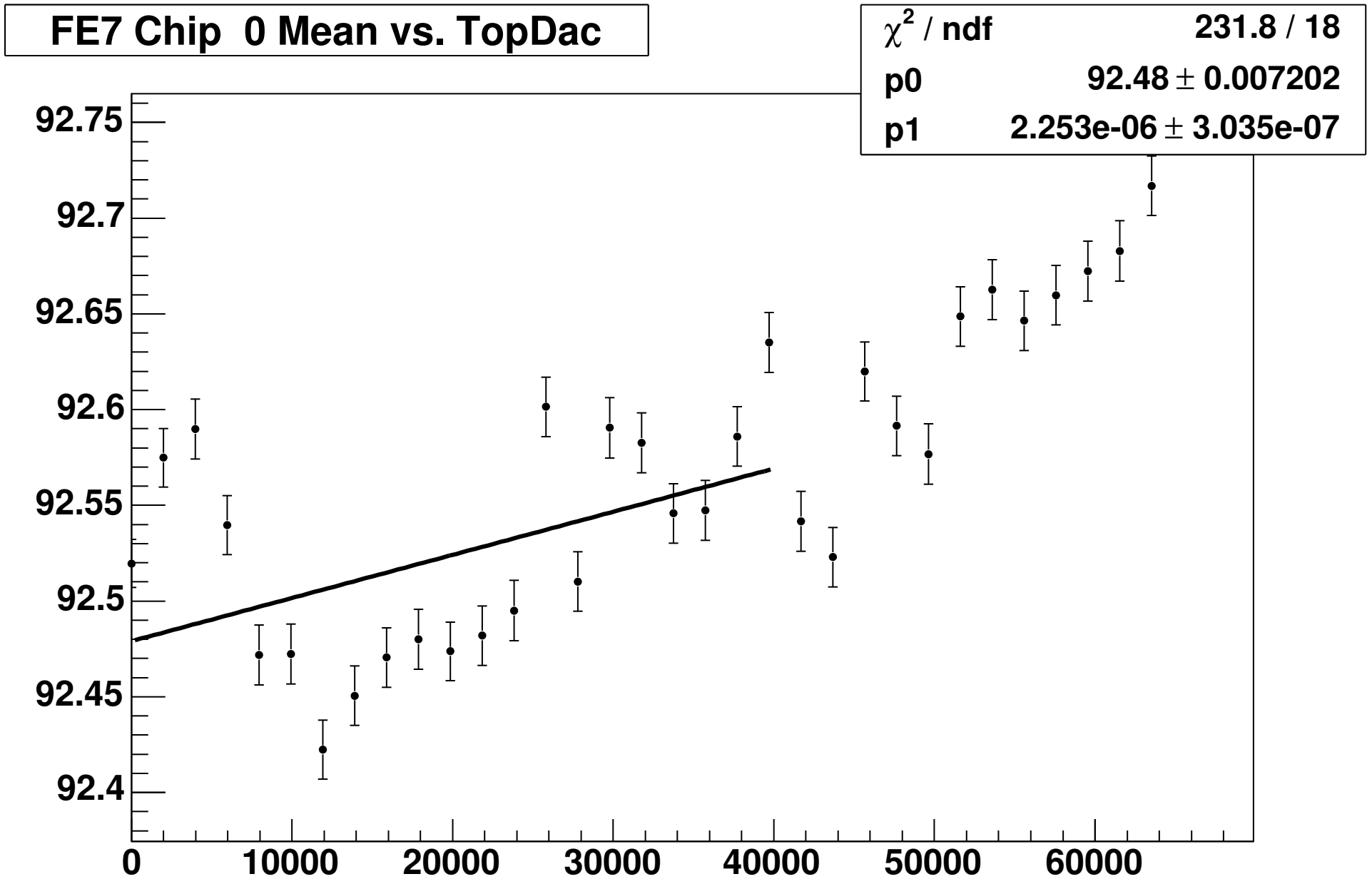
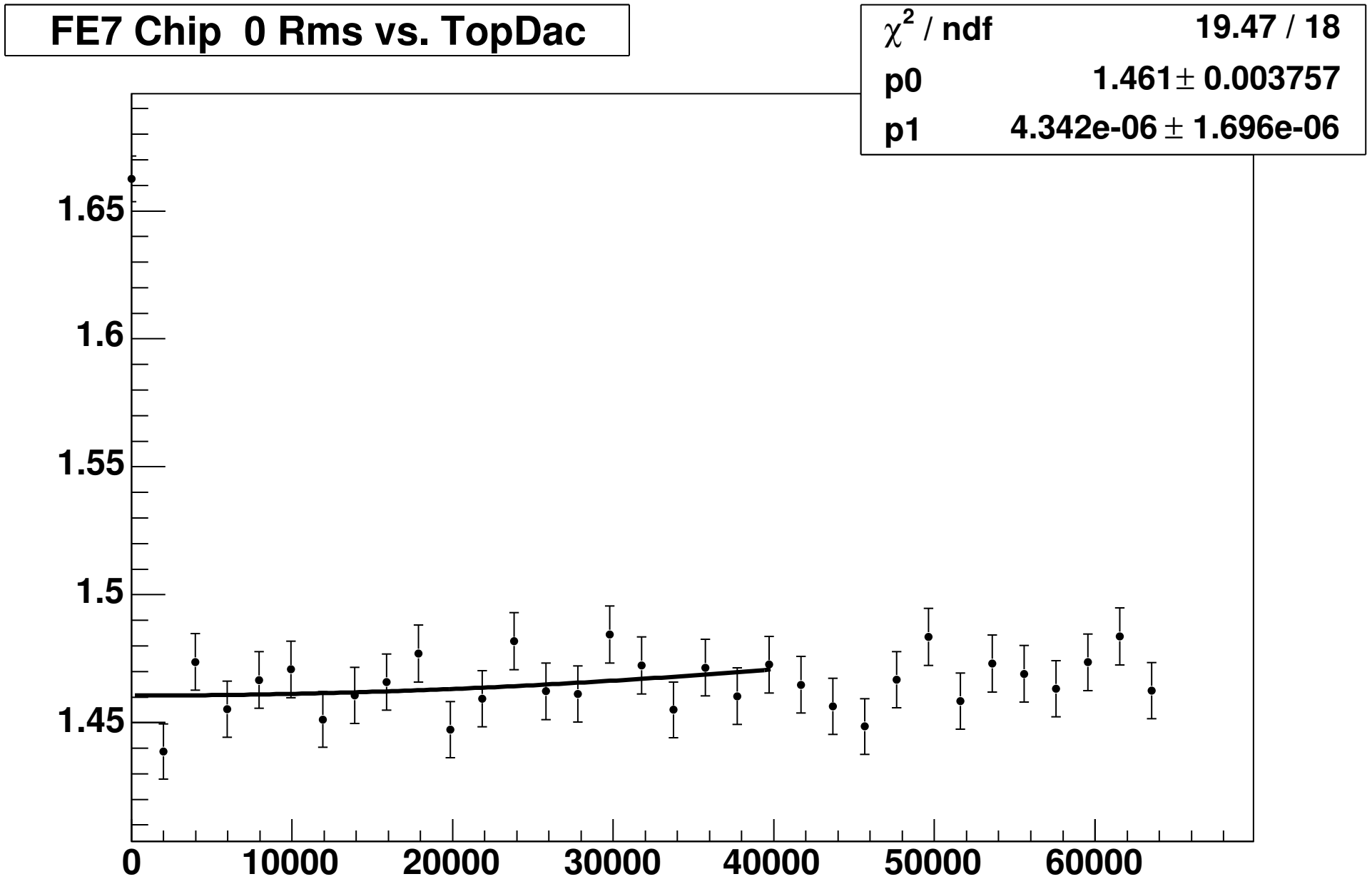
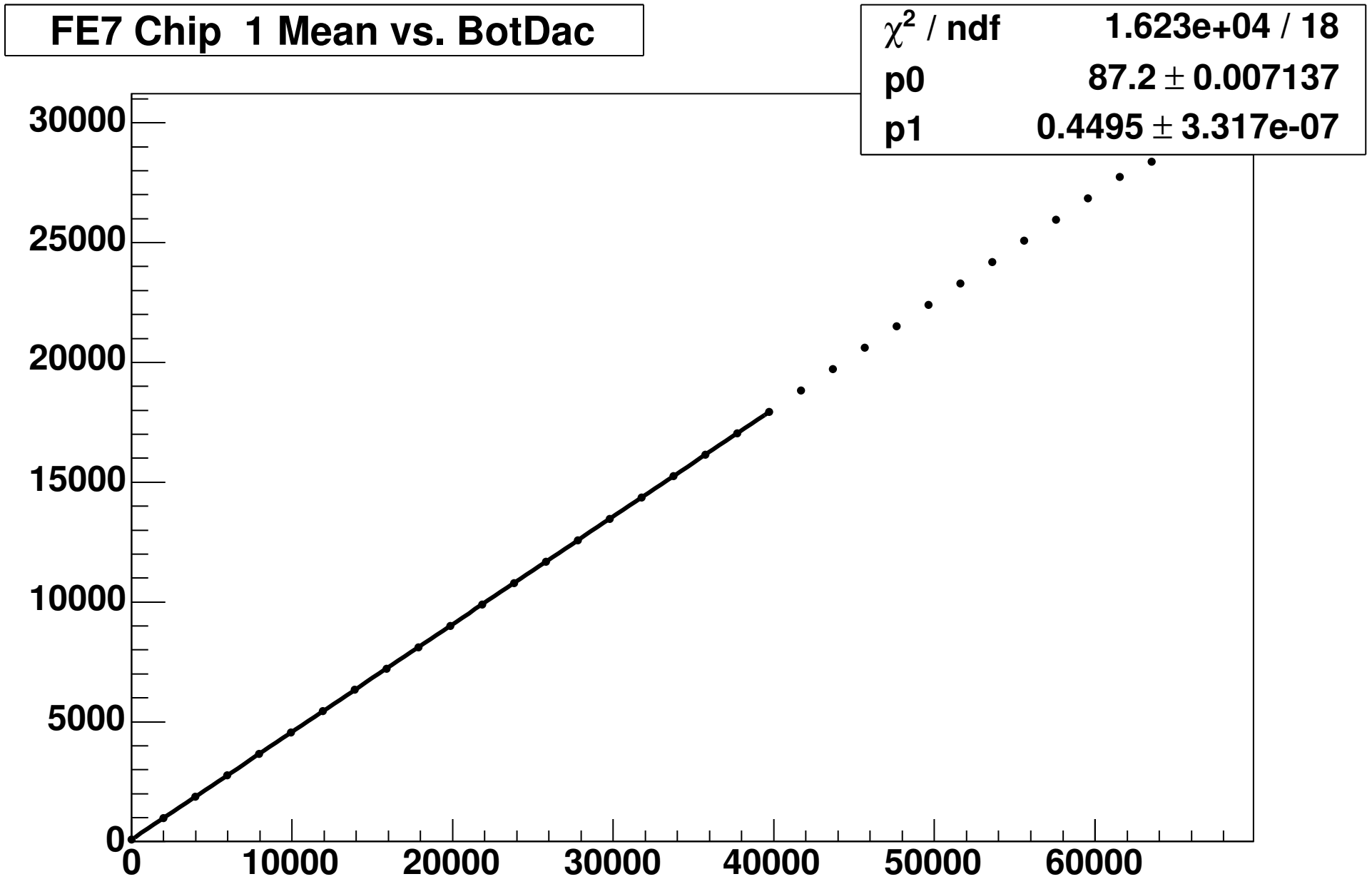
40000
50000
60000

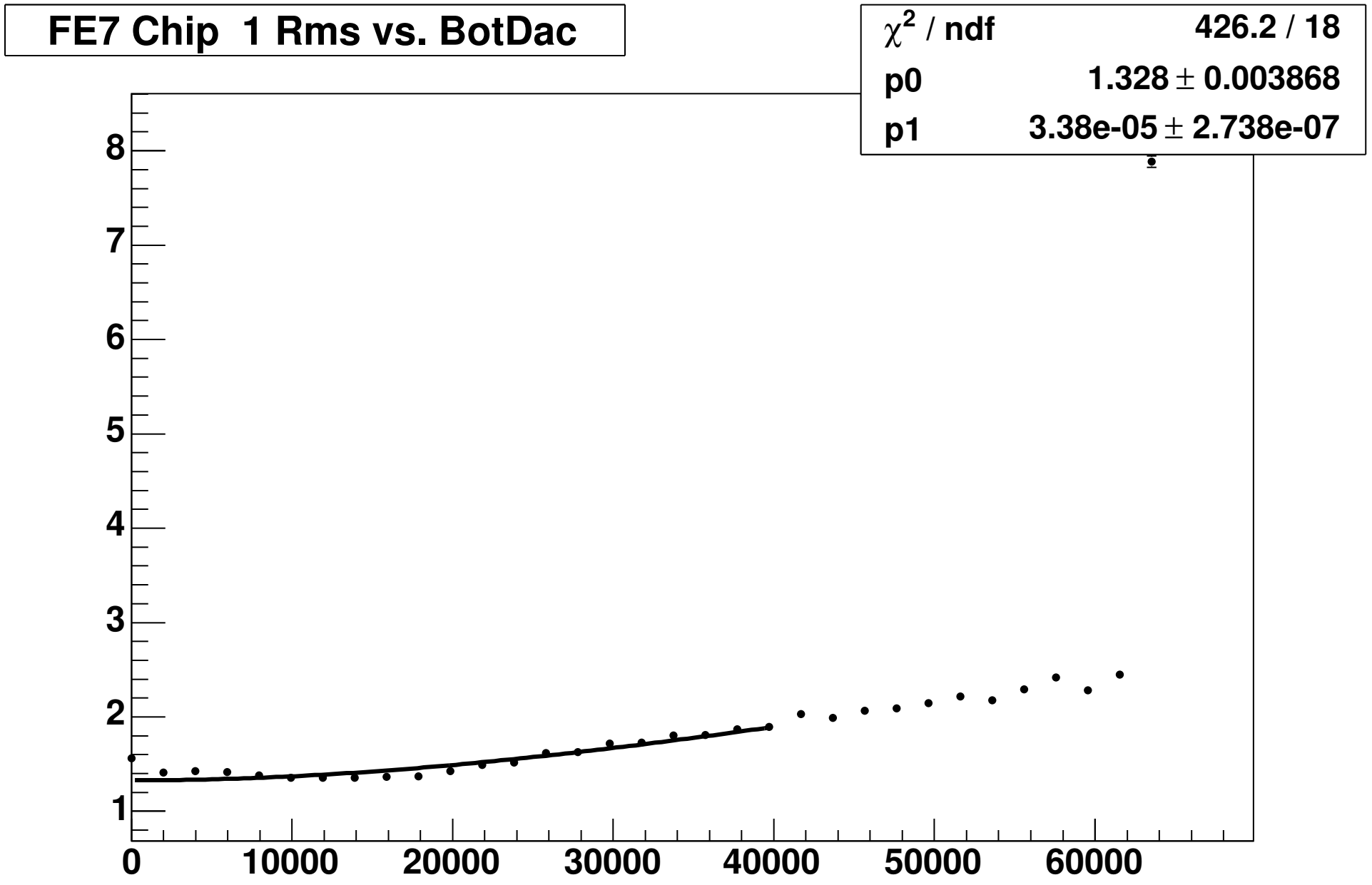

FE7 Chip 0 Mean vs. BotDac
χ^2 / ndf 1.489e+04 / 18
p0 91.99 ± 0.007252
p1 0.4495 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

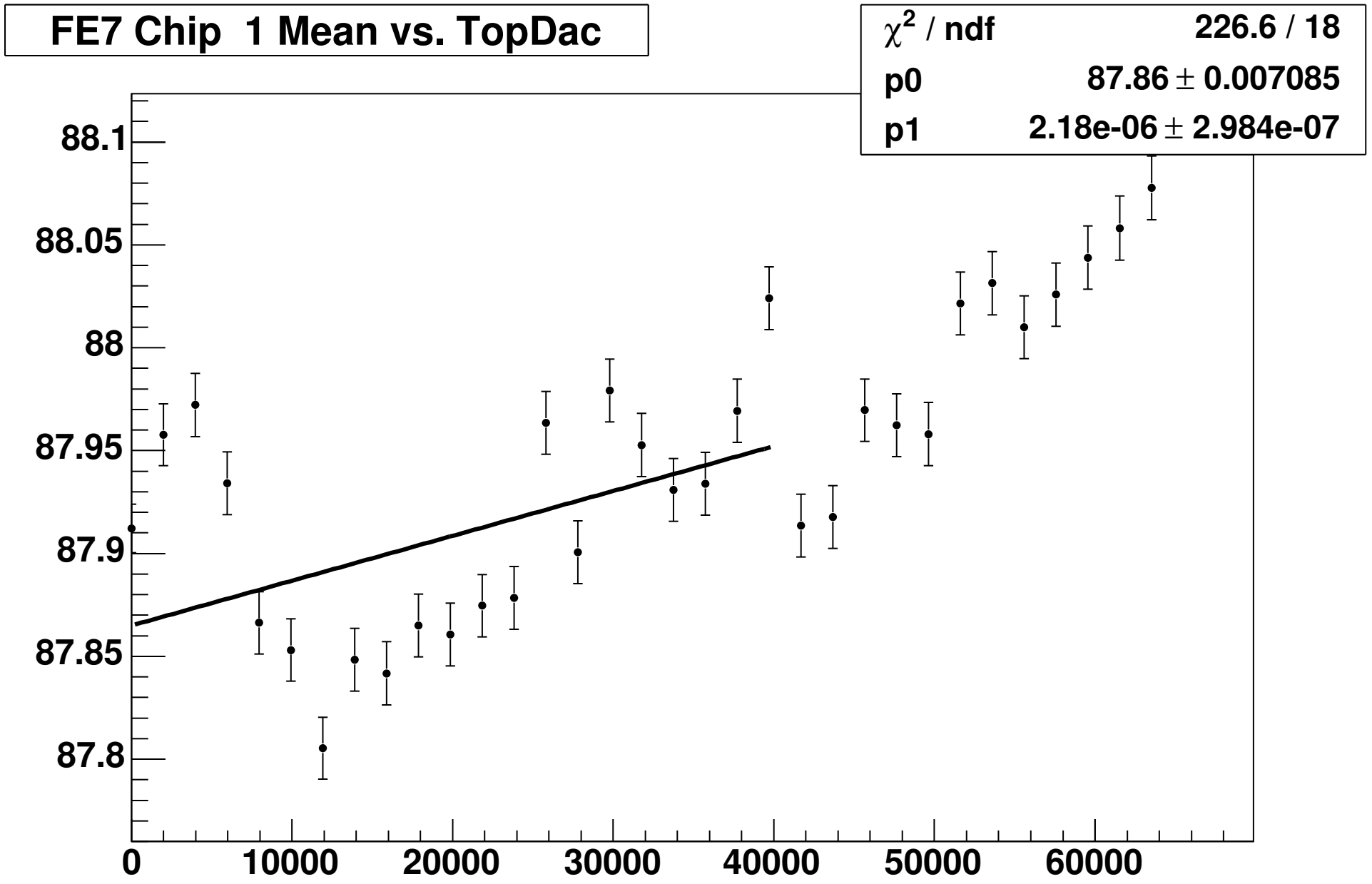

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 677.8 / 18
p0 1.343 ± 0.003917
p1 3.413e-05 ± 2.775e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

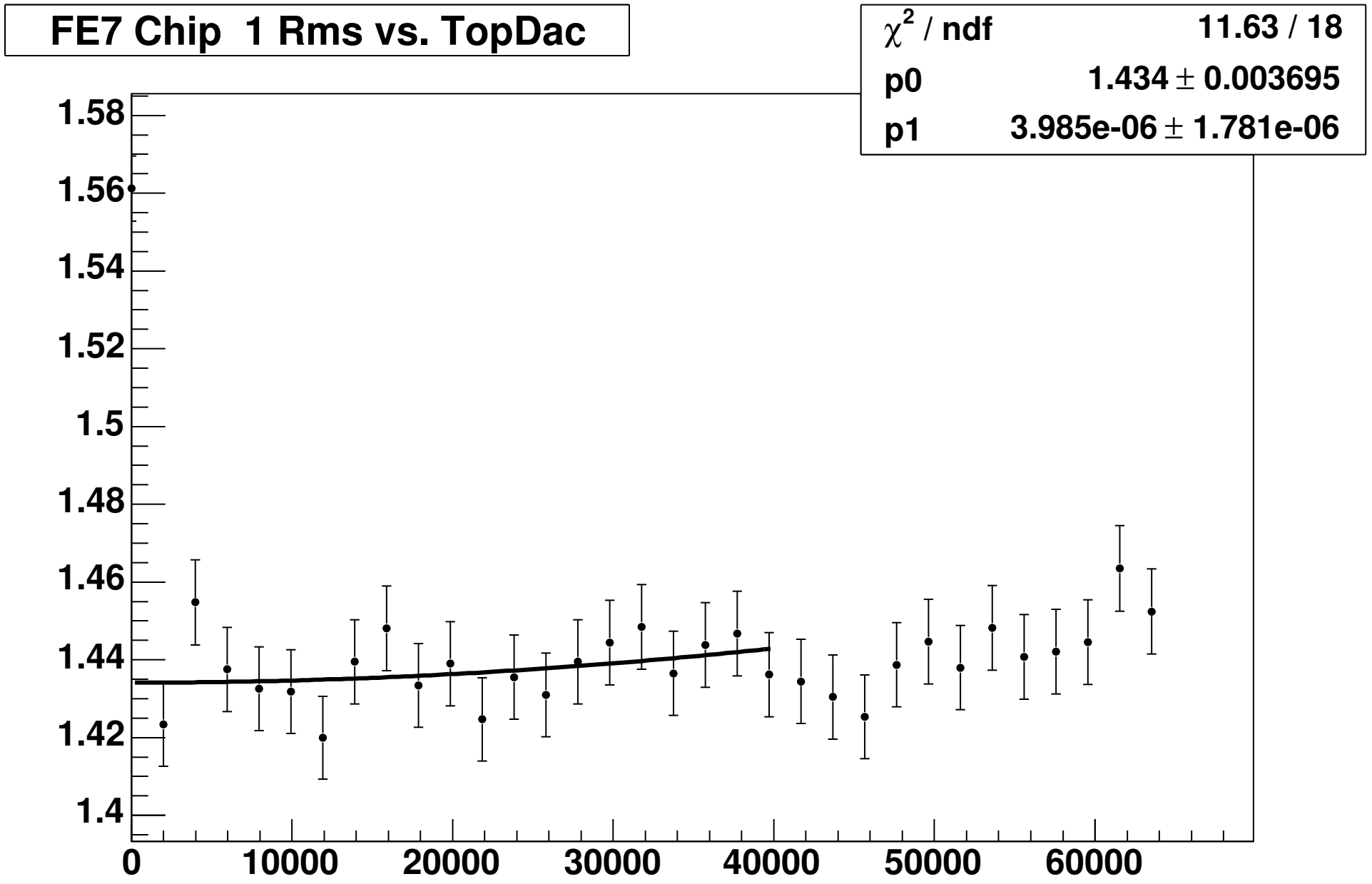

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 231.8 / 18
p0 92.48 ± 0.007202
p1 2.253e-06 ± 3.035e-07
92.75
92.7
92.65
92.6
92.55
92.5
92.45
92.4
0
10000
20000
30000
40000
50000
60000

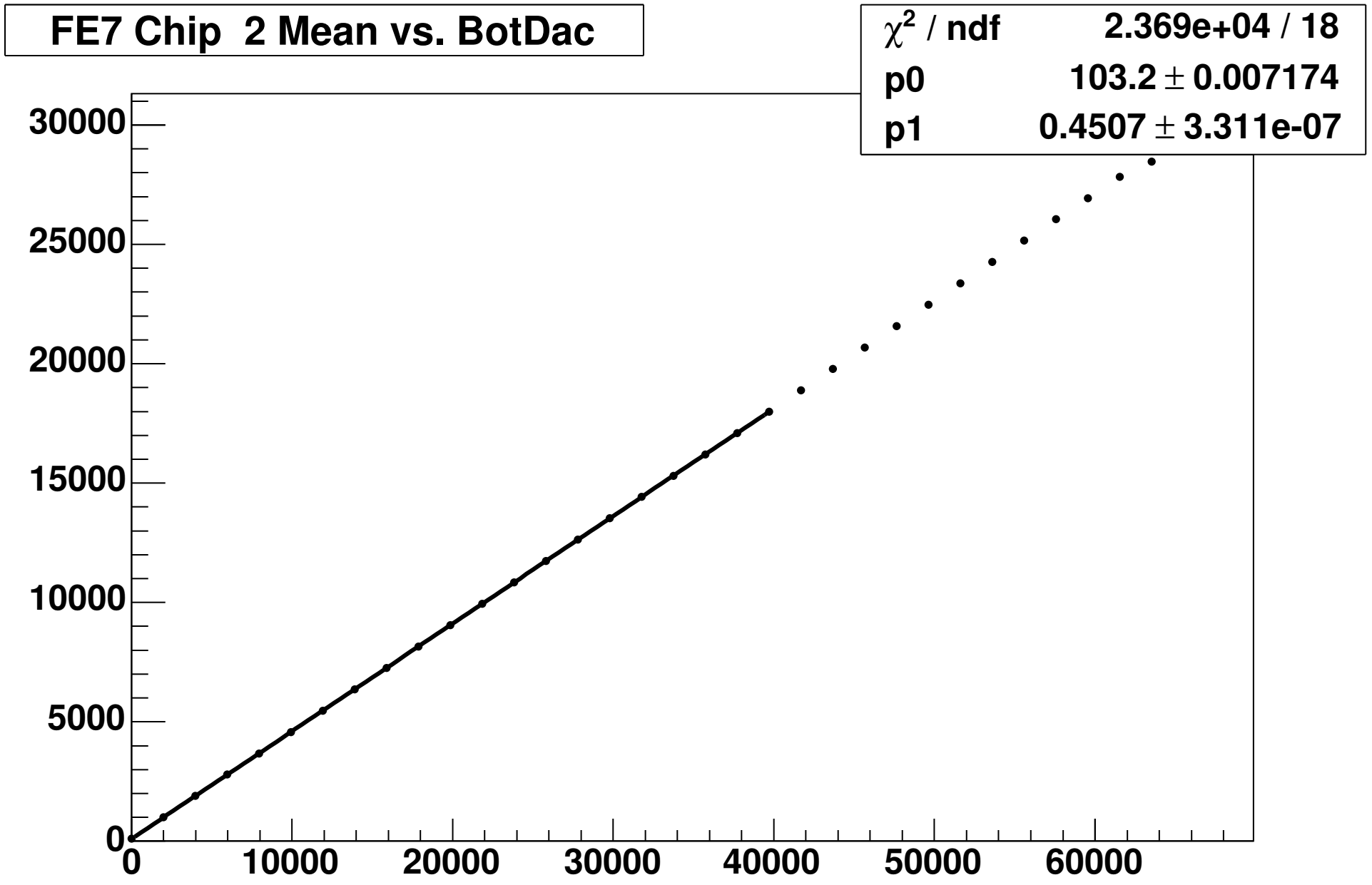

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 19.47 / 18
p0 1.461 ± 0.003757
p1 4.342e-06 ± 1.696e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

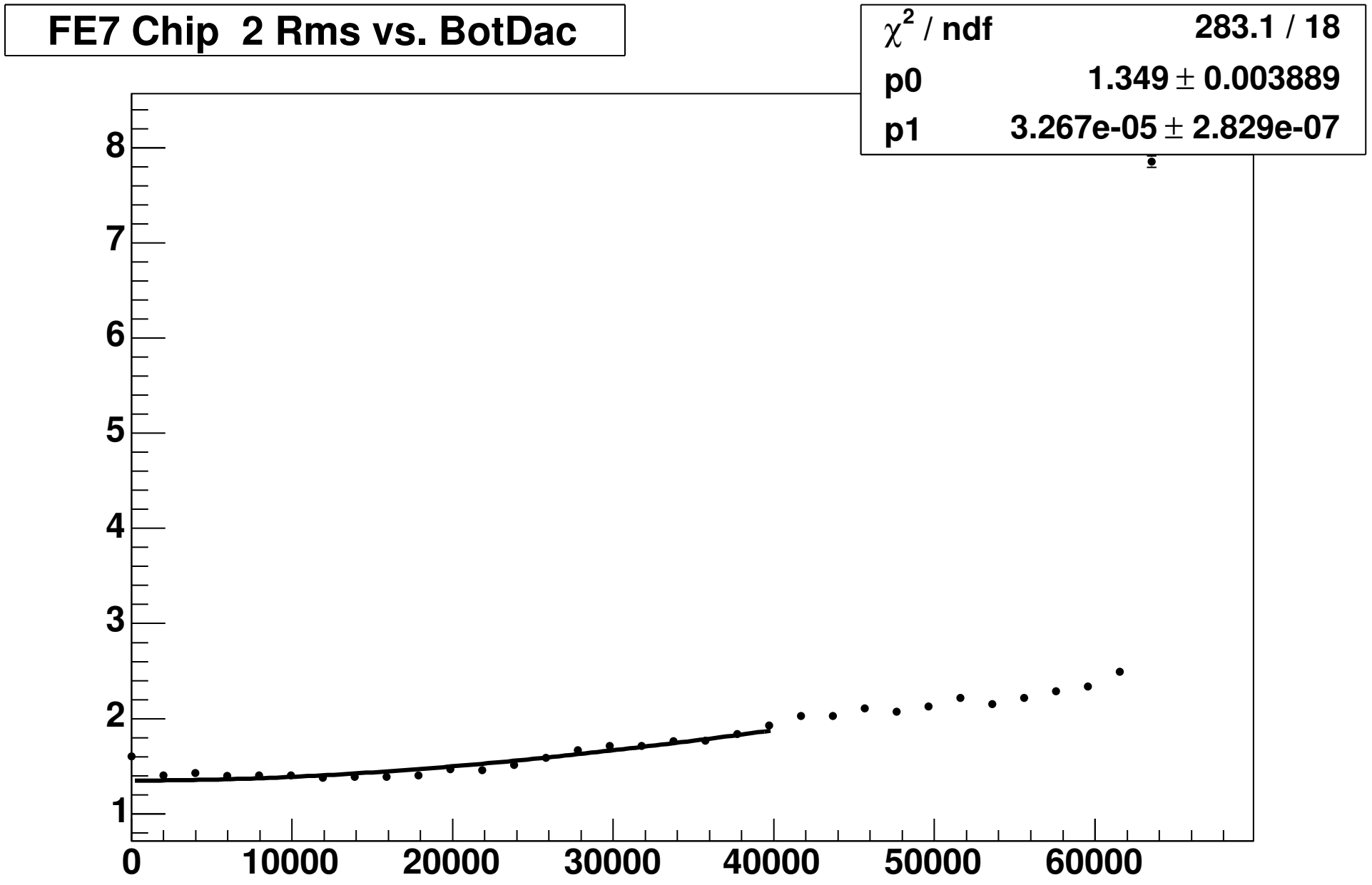

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.623e+04 / 18
p0 87.2 ± 0.007137
p1 0.4495 ± 3.317e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

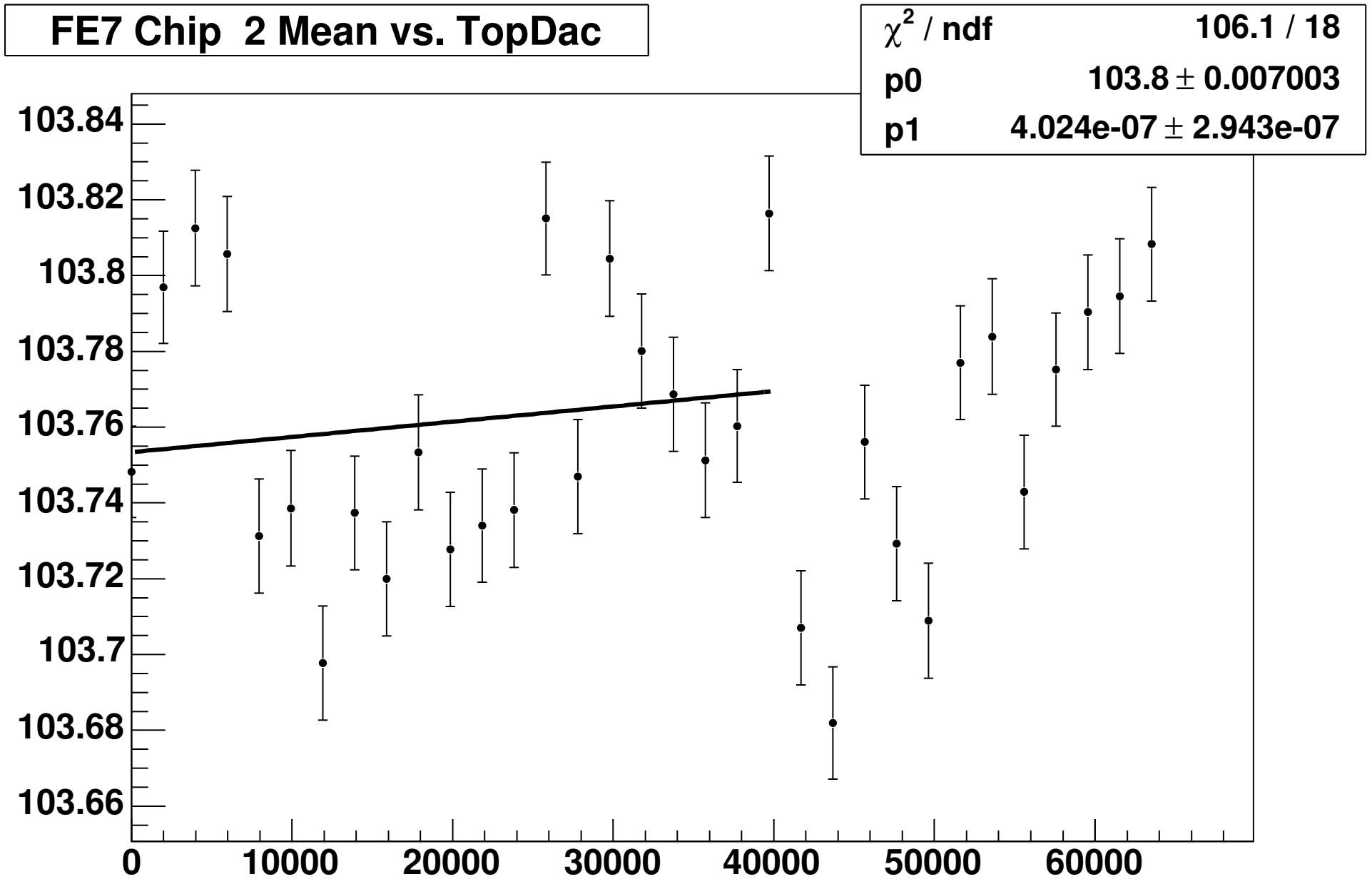

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 426.2 / 18
p0 1.328 ± 0.003868
p1 3.38e-05 ± 2.738e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

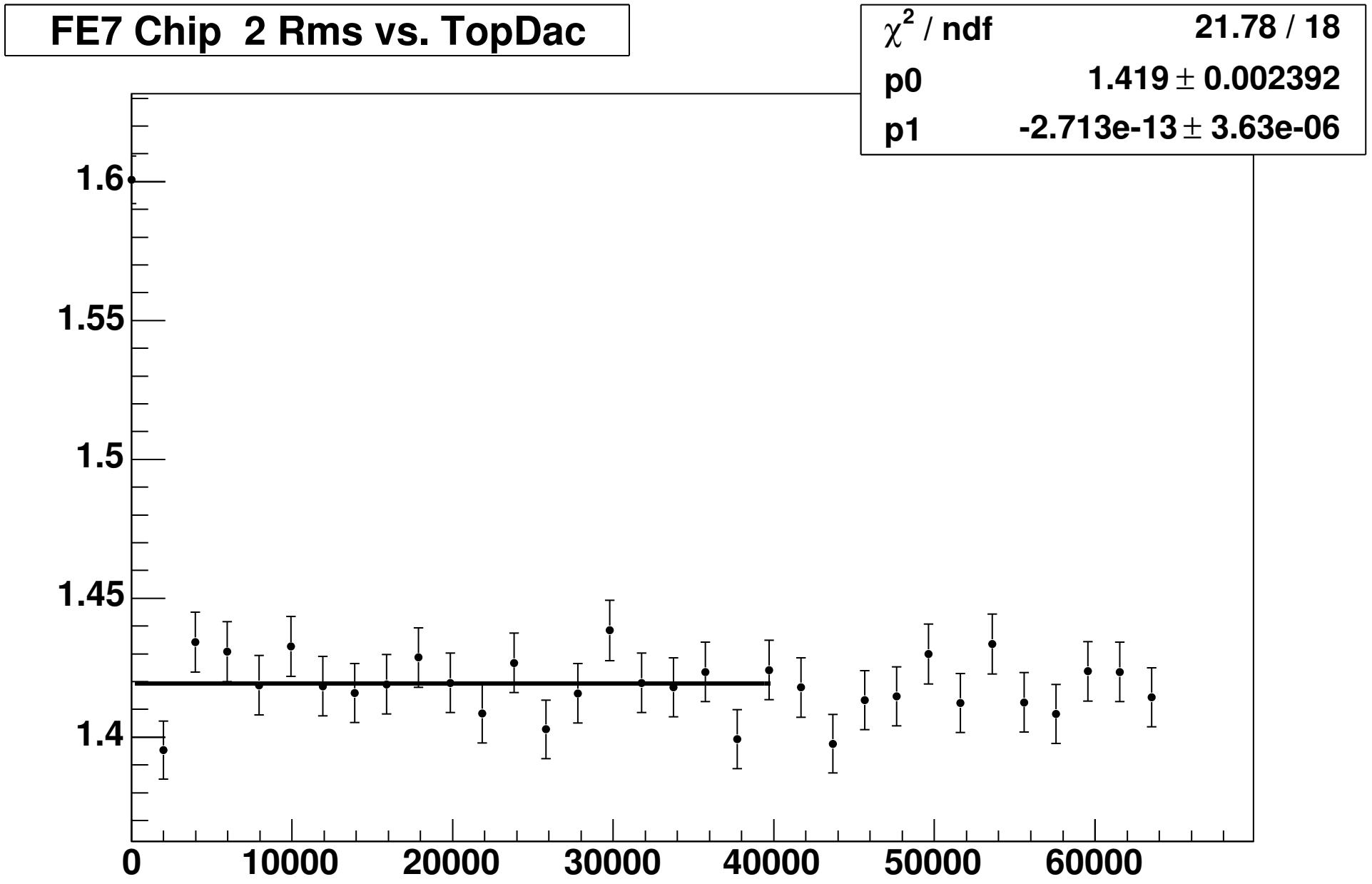

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 226.6 / 18
p0 87.86 ± 0.007085
p1 2.18e-06 ± 2.984e-07
88.1
88.05
88
87.95
87.9
87.85
87.8
0
10000
20000
30000
40000
50000
60000

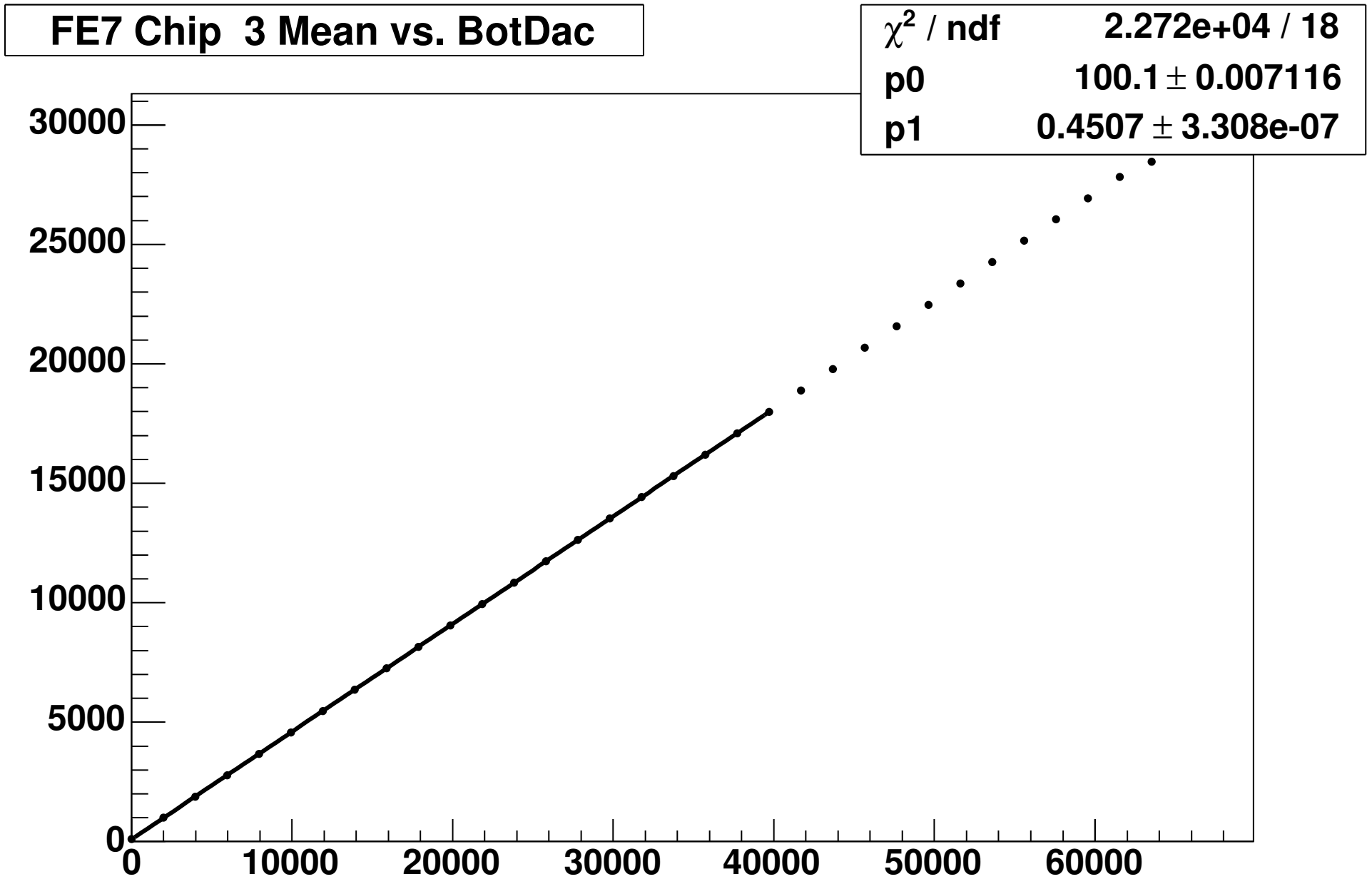

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 11.63 / 18
p0 1.434 ± 0.003695
p1 3.985e-06 ± 1.781e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

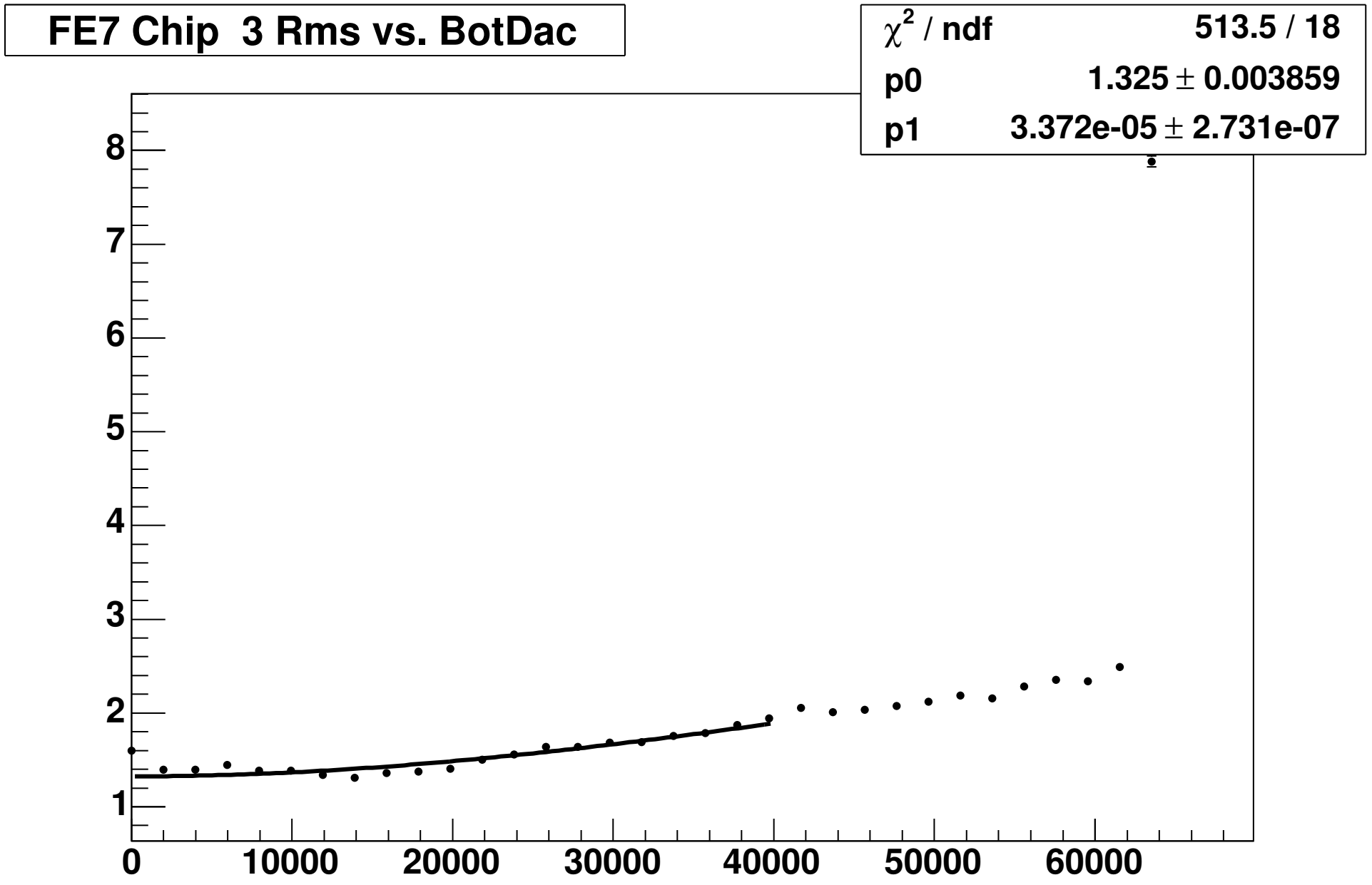

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 2.369e+04 / 18
p0 103.2 ± 0.007174
p1 0.4507 ± 3.311e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

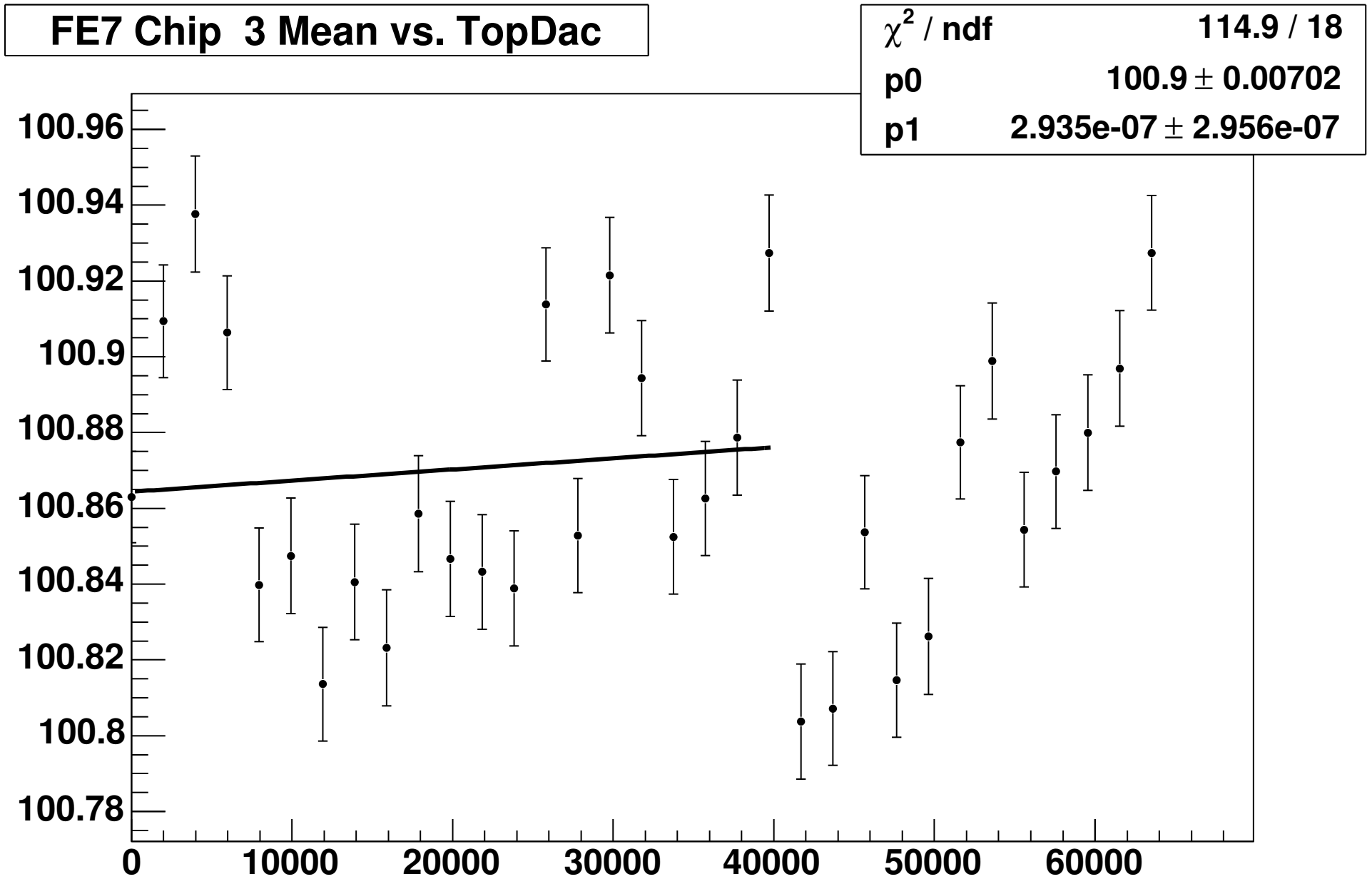

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 283.1 / 18
p0 1.349 ± 0.003889
p1 3.267e-05 ± 2.829e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

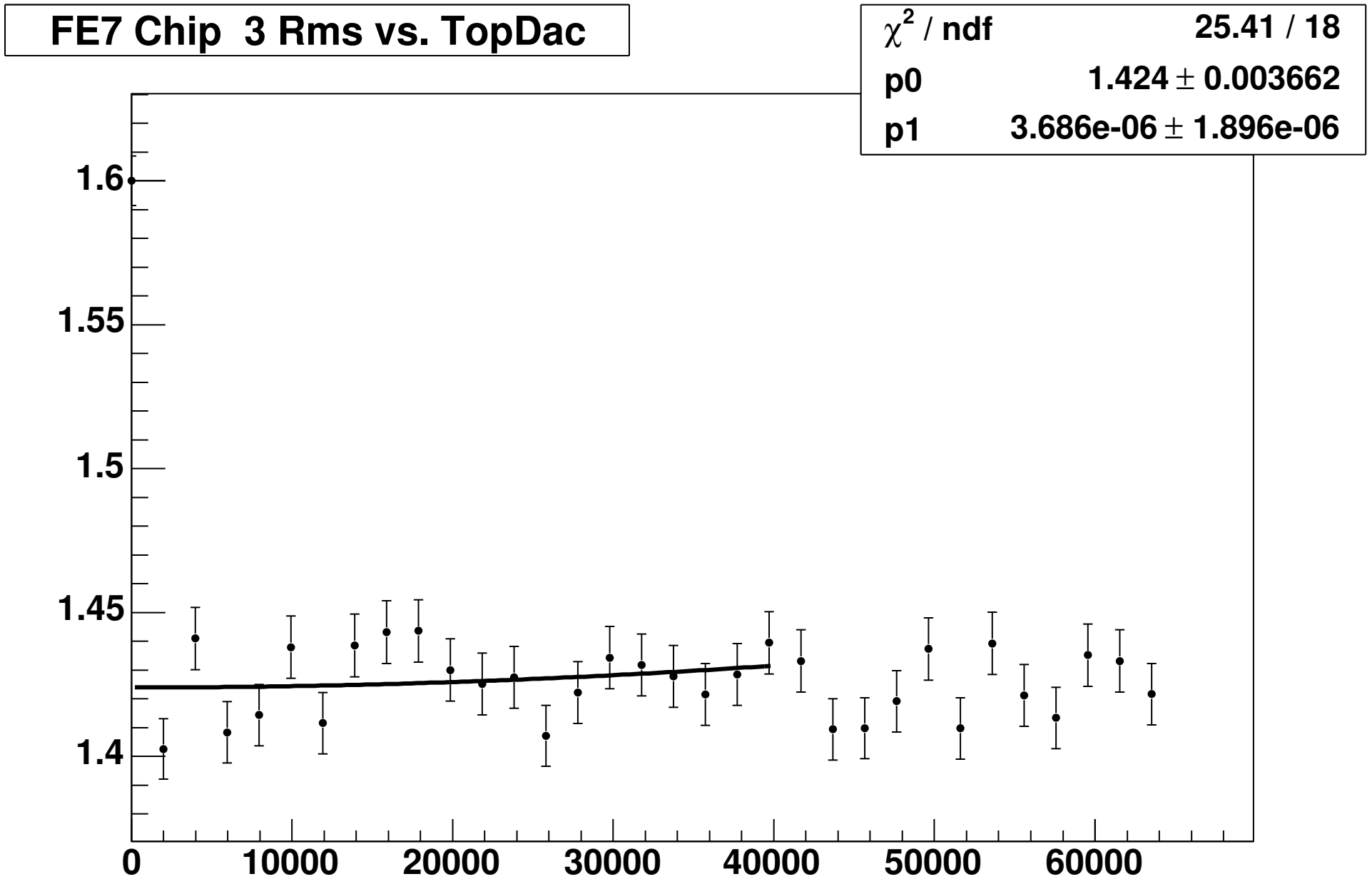

FE7 Chip 2 Mean vs. TopDac
χ^2 / ndf 106.1 / 18
p0 103.8 ± 0.007003
p1 4.024e-07 ± 2.943e-07
103.84
103.82
103.8
103.78
103.76
103.74
103.72
103.7
103.68
103.66
0
10000
20000
30000
40000
50000
60000

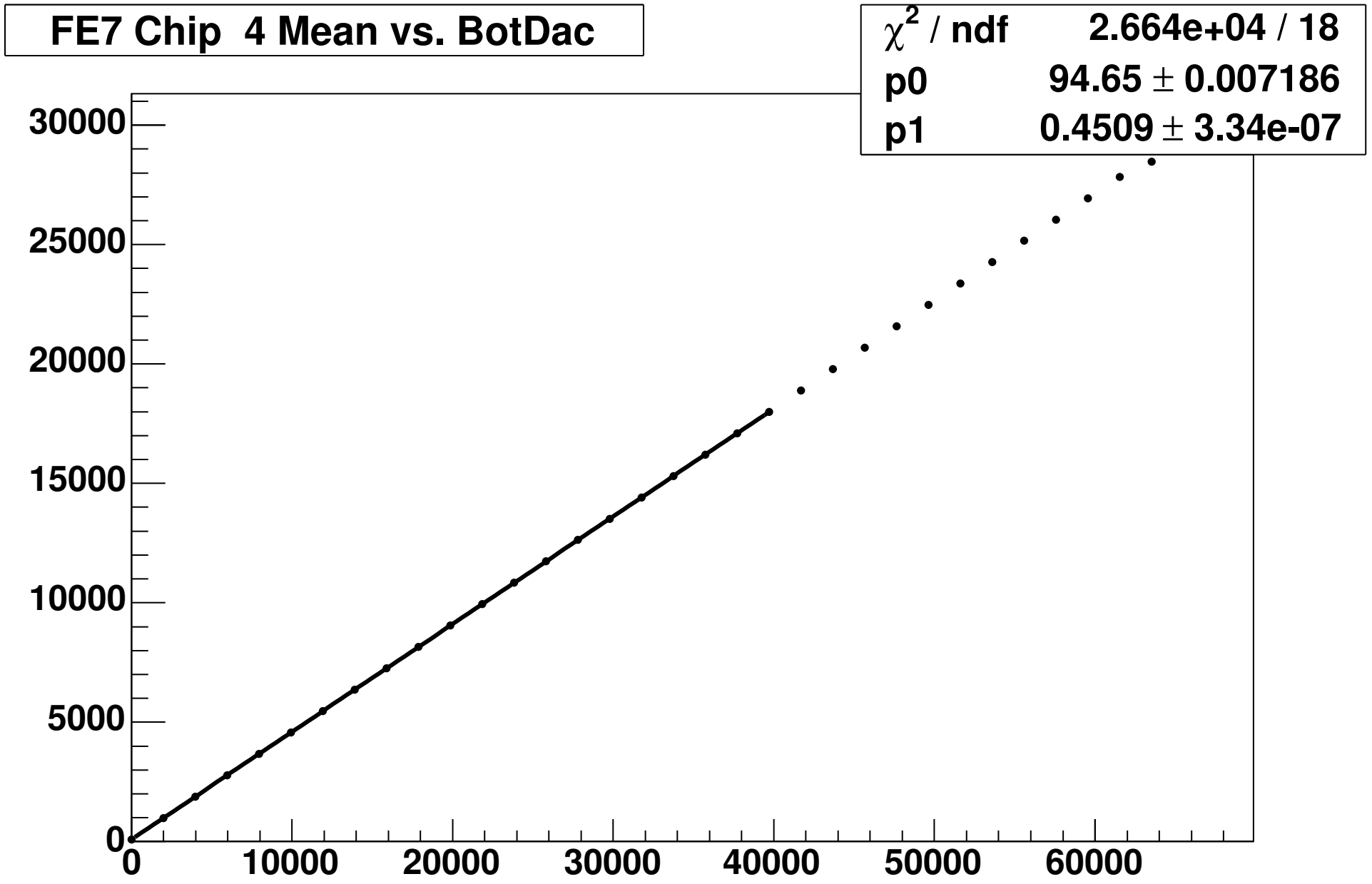

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 21.78 / 18
p0 1.419 ± 0.002392
p1 -2.713e-13 ± 3.63e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

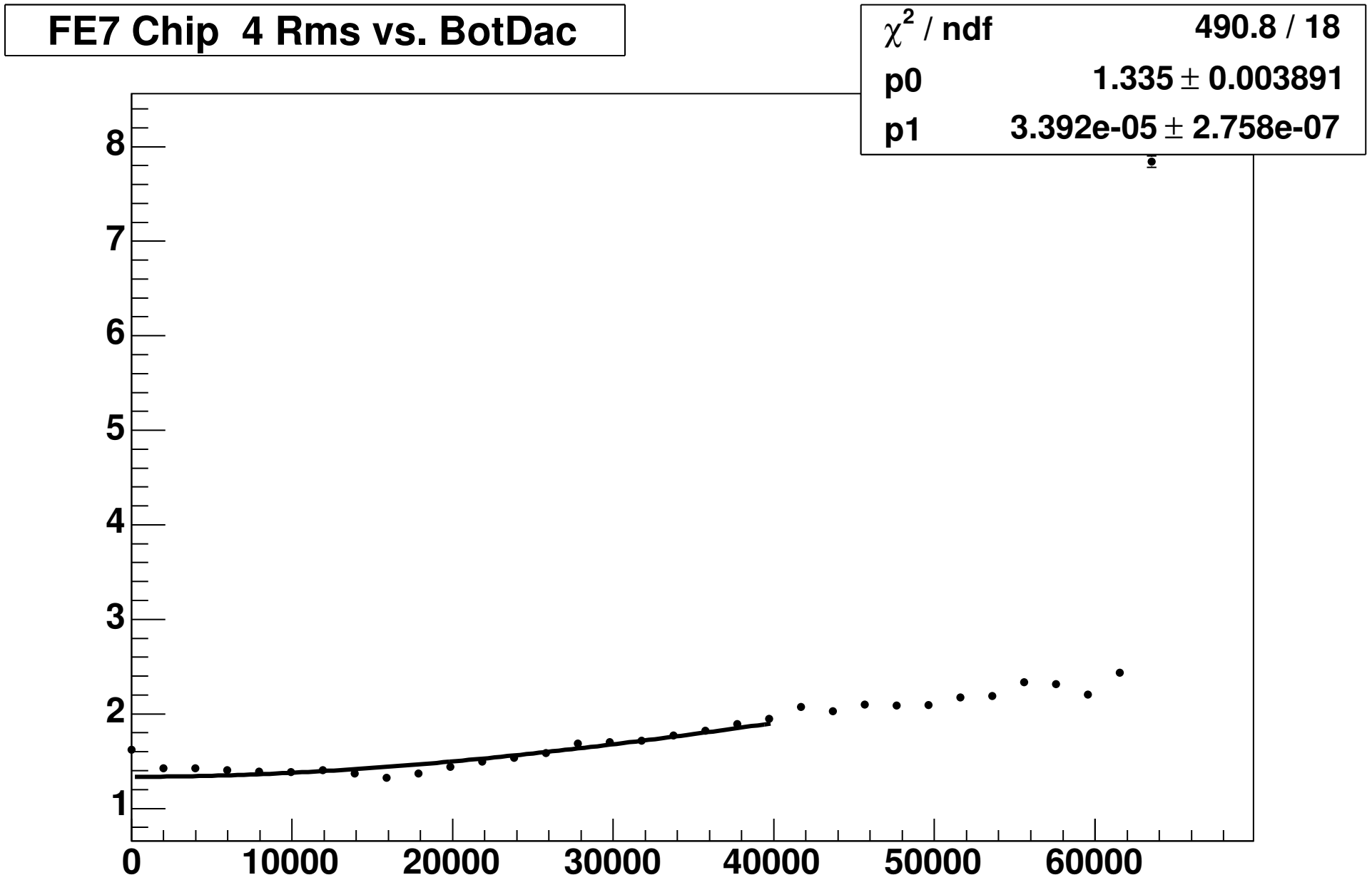

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 2.272e+04 / 18
p0 100.1 ± 0.007116
p1 0.4507 ± 3.308e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

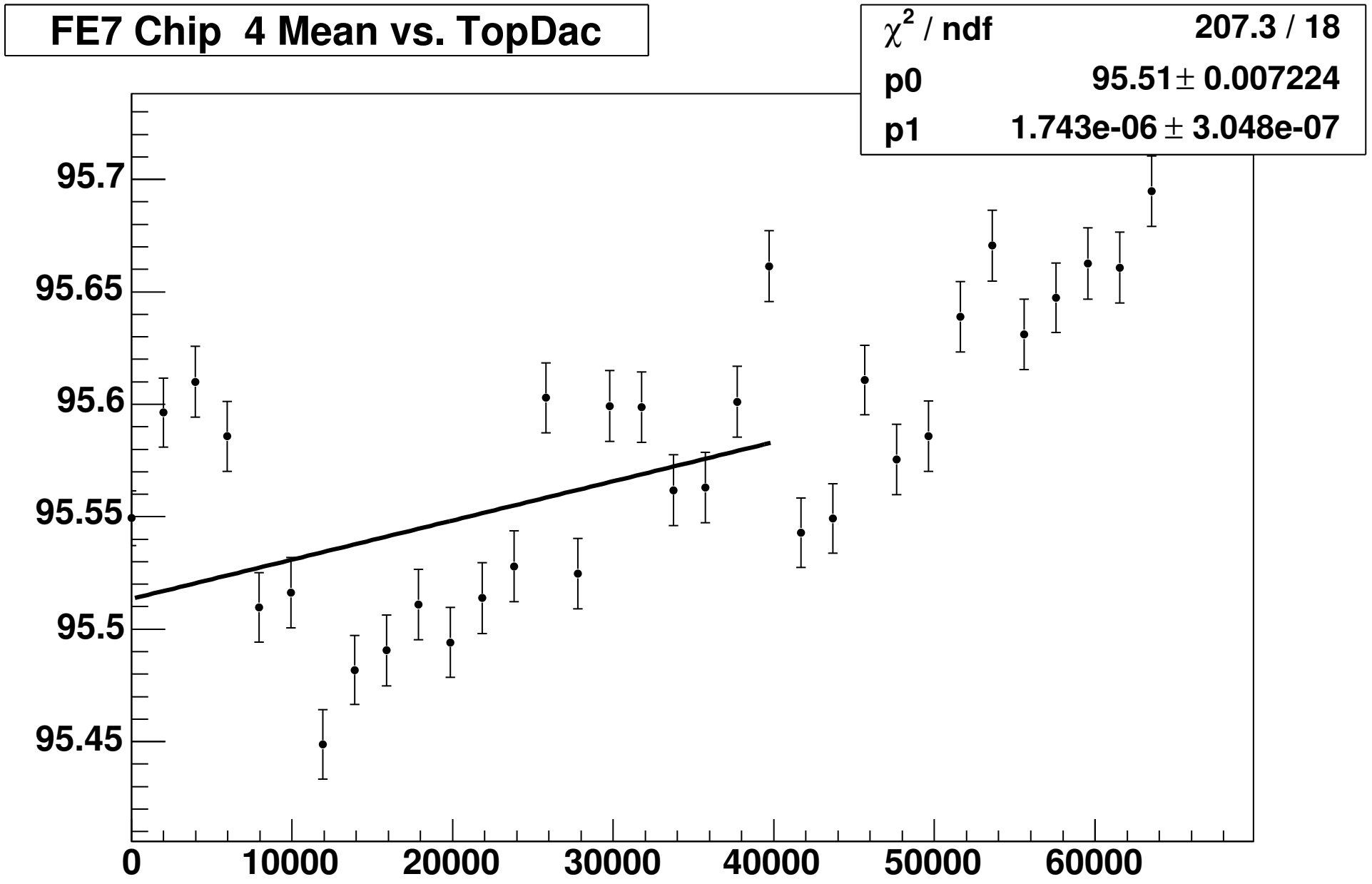

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 513.5 / 18
p0 1.325 ± 0.003859
p1 3.372e-05 ± 2.731e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

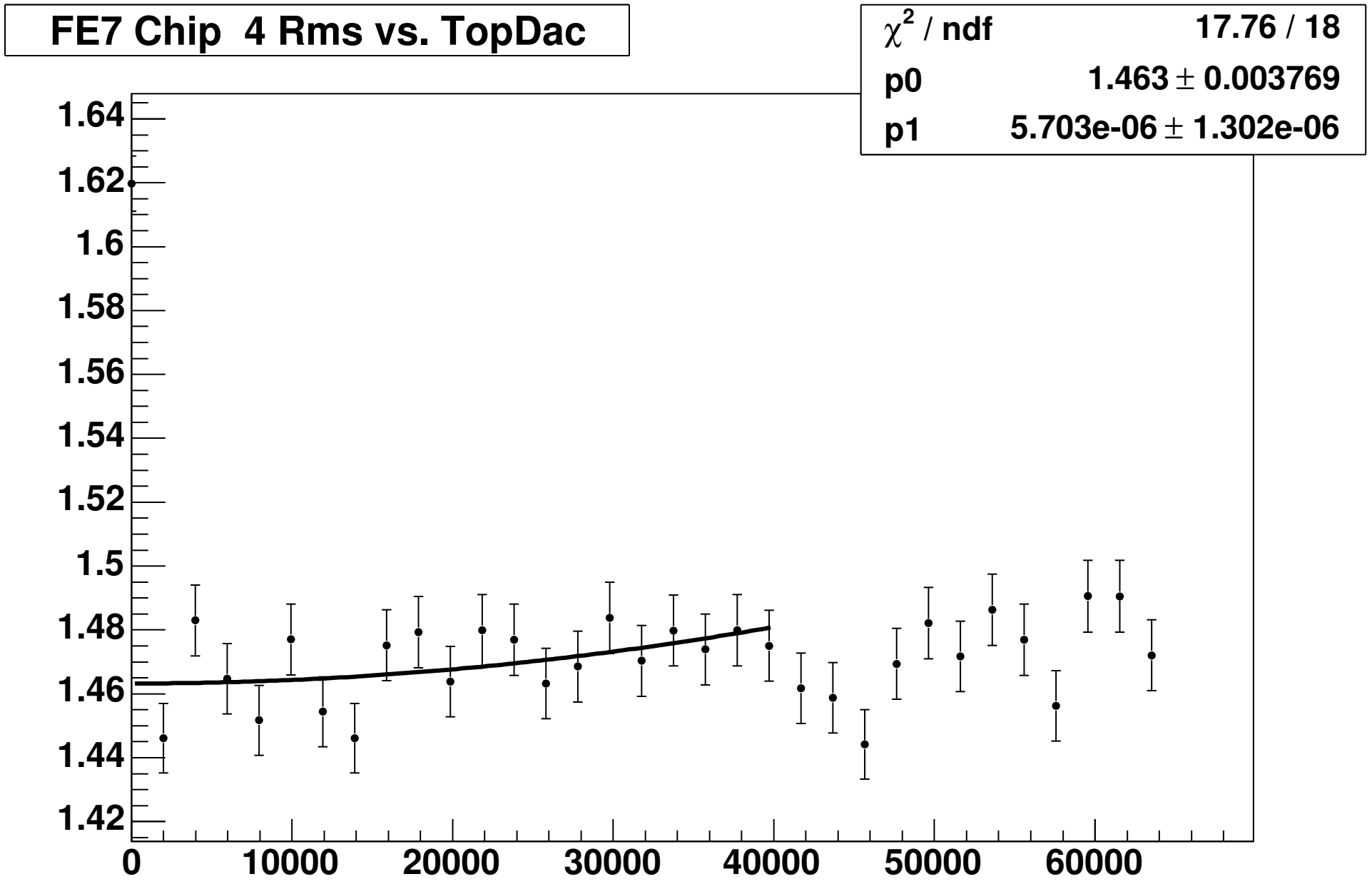

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 114.9 / 18
p0 100.9 ± 0.00702
p1 2.935e-07 ± 2.956e-07
100.96
100.94
100.92
100.9
100.88
100.86
100.84
100.82
100.8
100.78
0
10000
20000
30000
40000
50000
60000

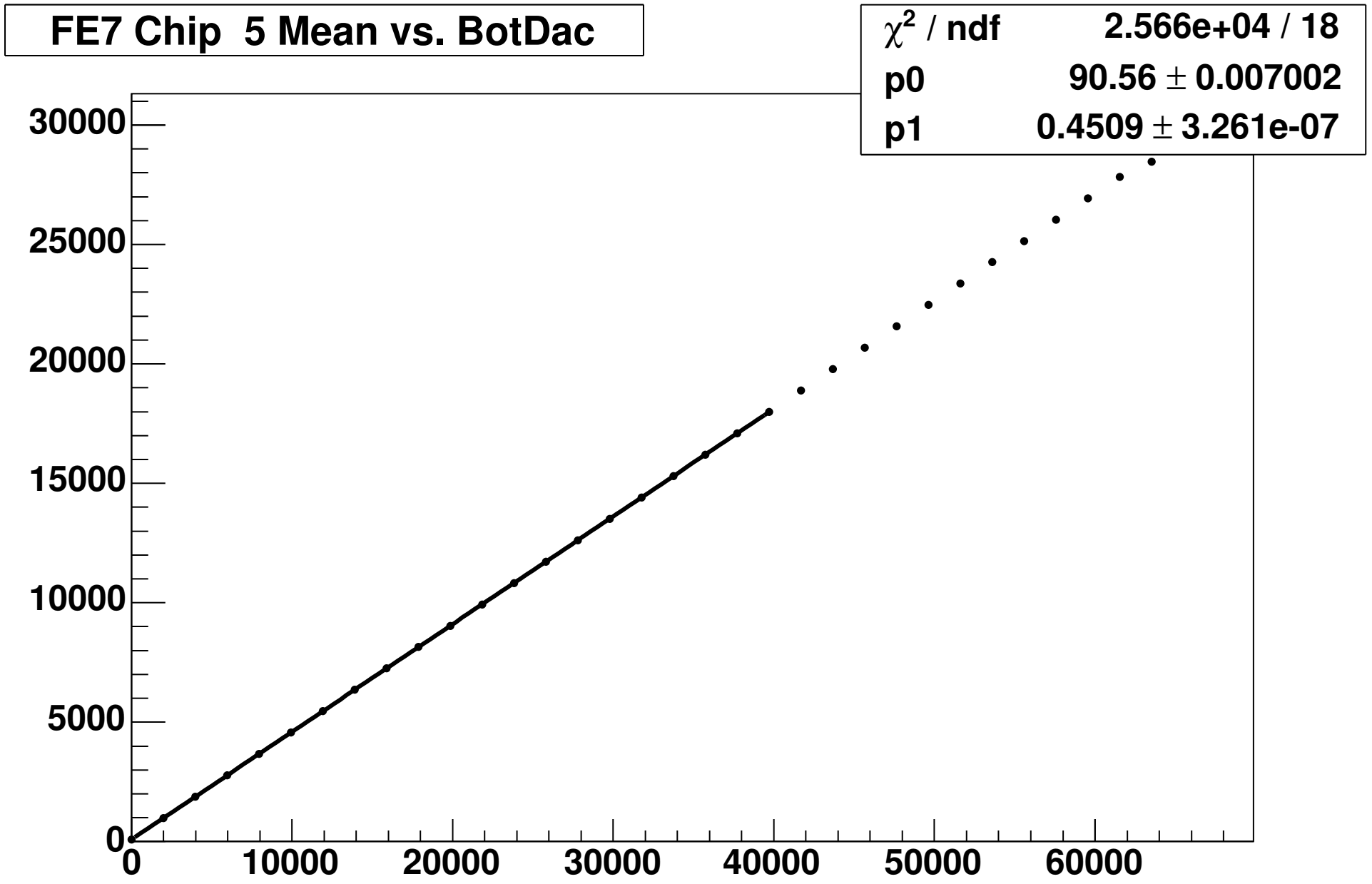

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 25.41 / 18
p0 1.424 ± 0.003662
p1 3.686e-06 ± 1.896e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

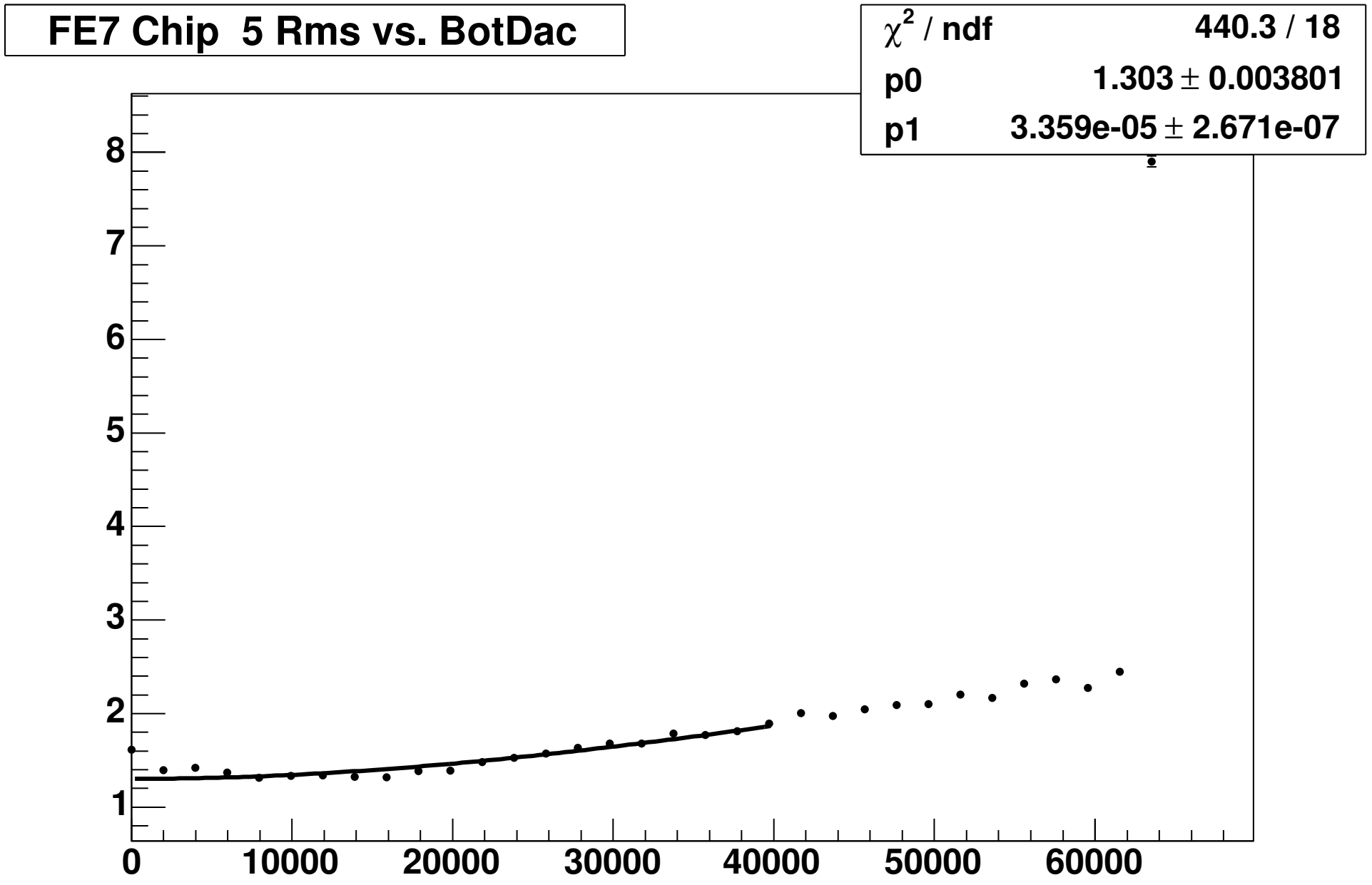

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.664e+04 / 18
p0 94.65 ± 0.007186
p1 0.4509 ± 3.34e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

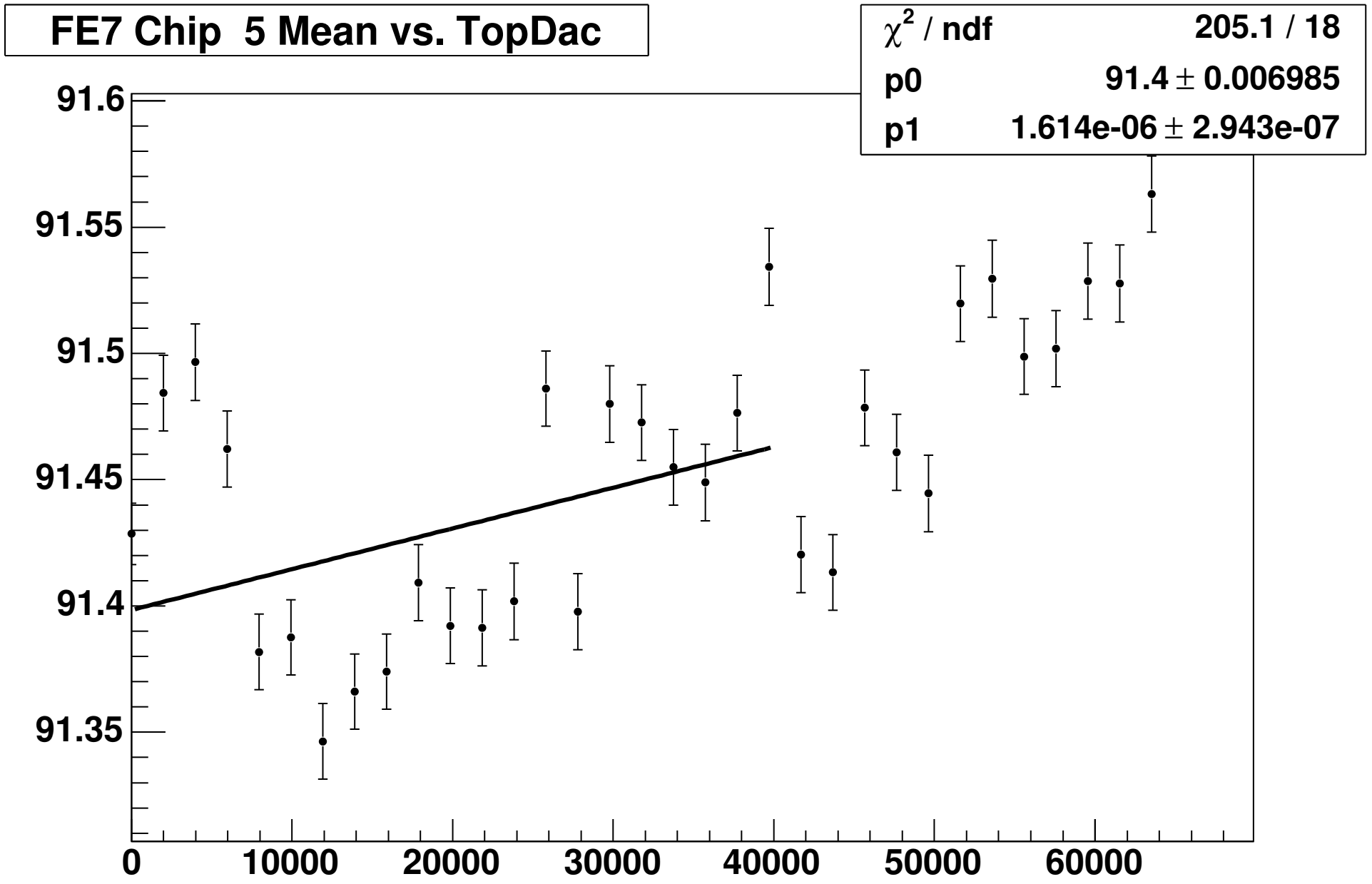

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 490.8 / 18
p0 1.335 ± 0.003891
p1 3.392e-05 ± 2.758e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

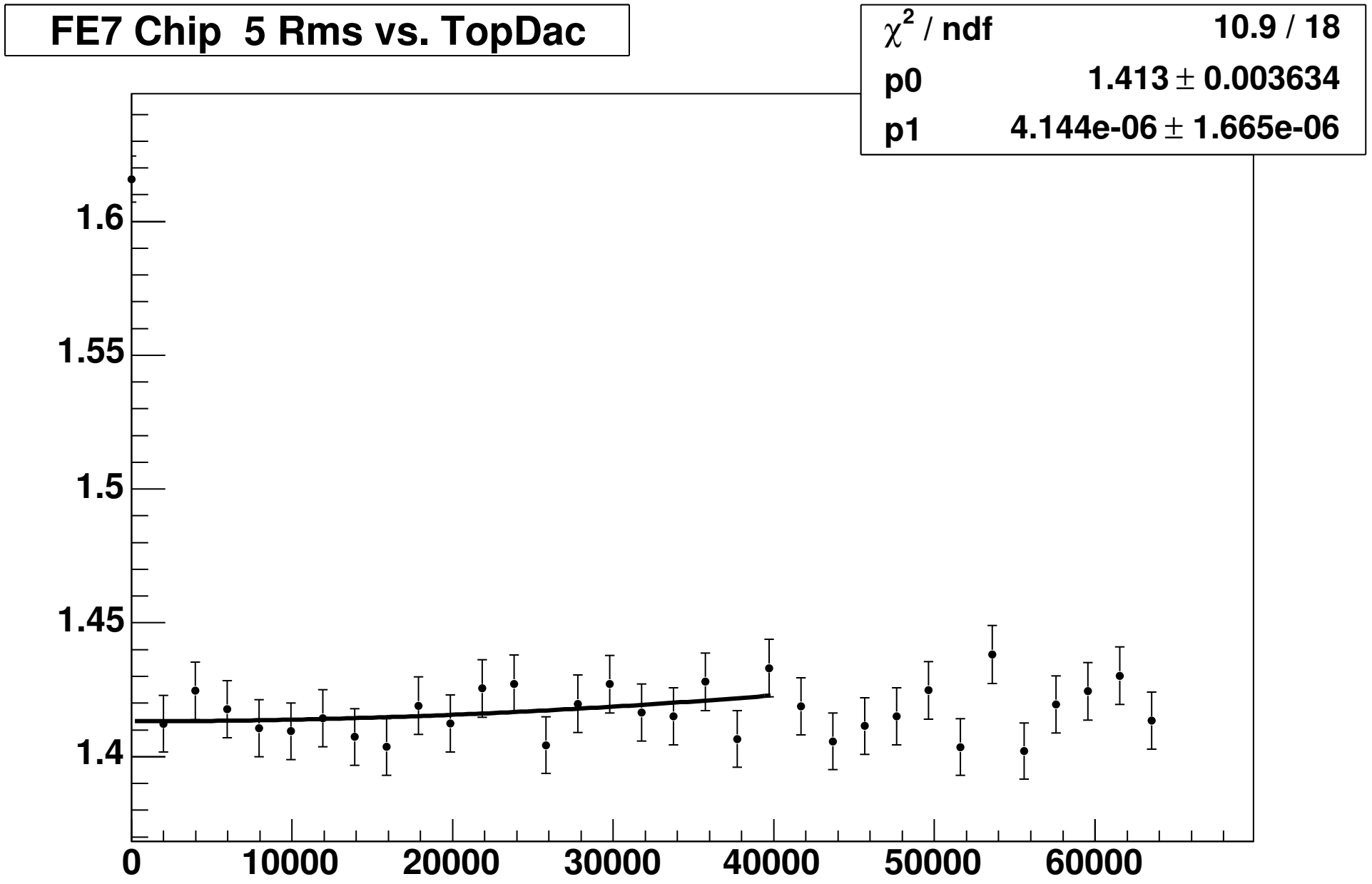

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 207.3 / 18
p0 95.51 ± 0.007224
p1 1.743e-06 ± 3.048e-07
95.7
95.65
95.6
95.55
95.5
95.45
0
10000
20000
30000
40000
50000
60000

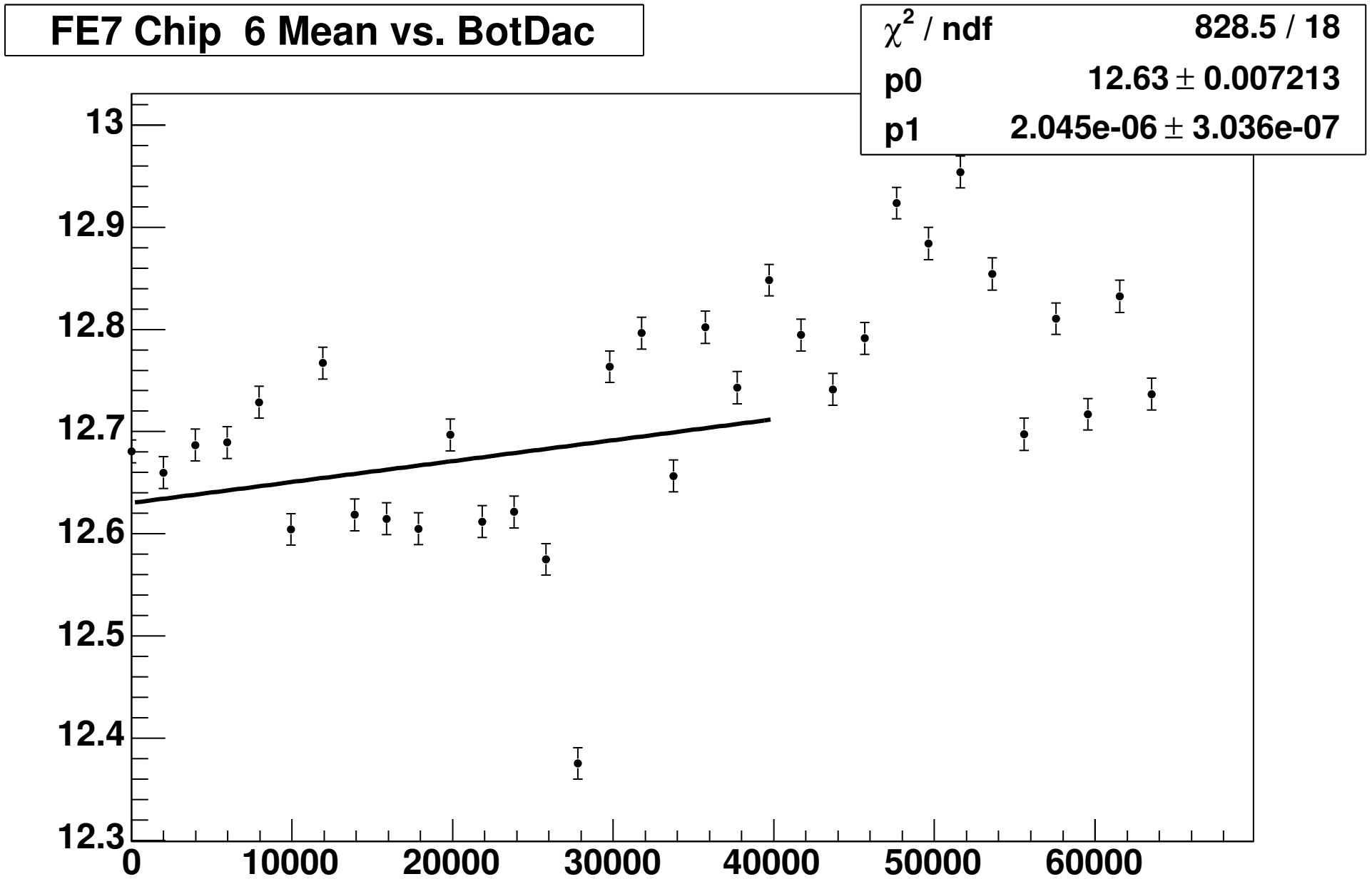

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 17.76 / 18
p0 1.463 ± 0.003769
p1 5.703e-06 ± 1.302e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

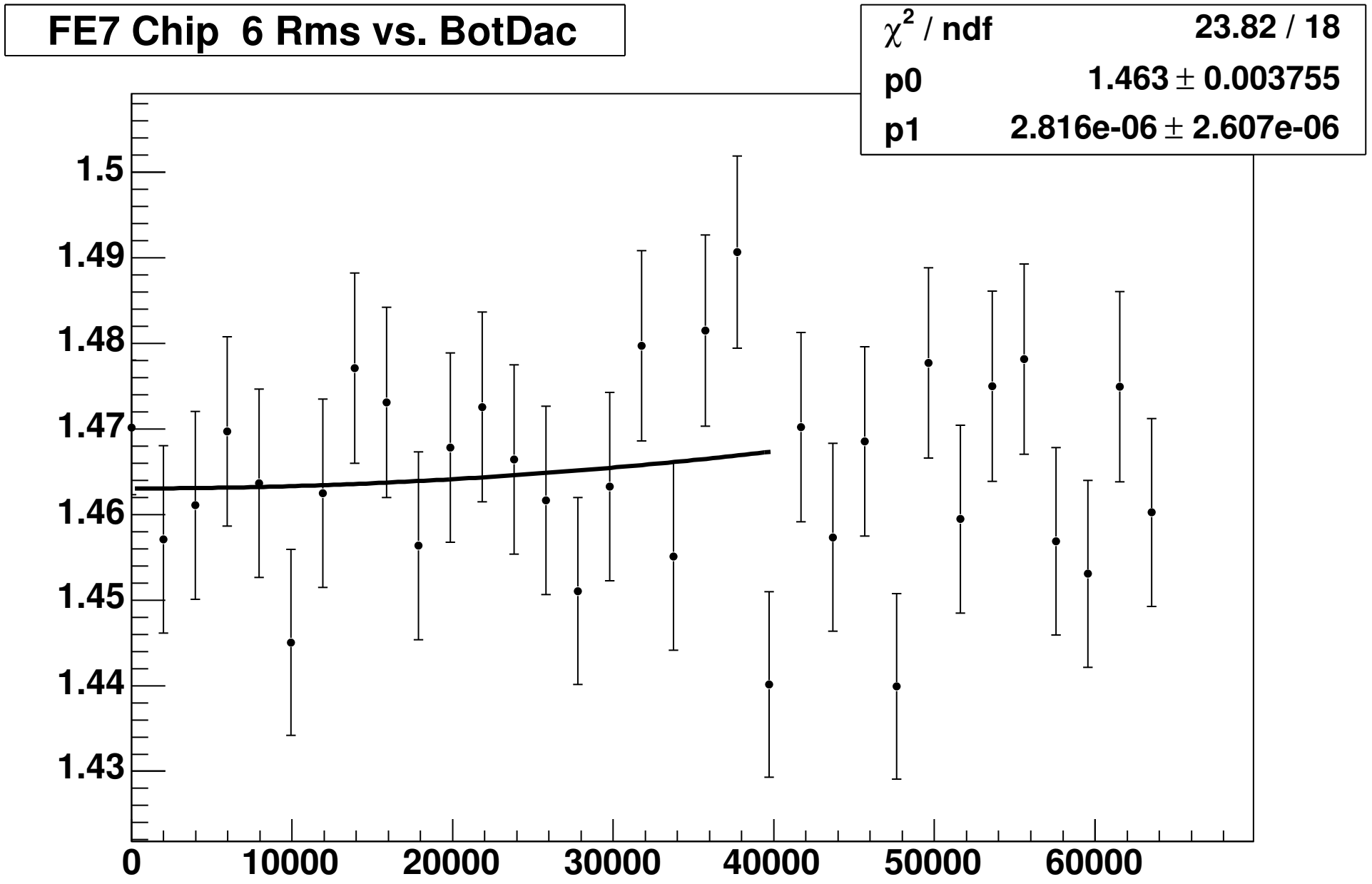

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 2.566e+04 / 18
p0 90.56 ± 0.007002
p1 0.4509 ± 3.261e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

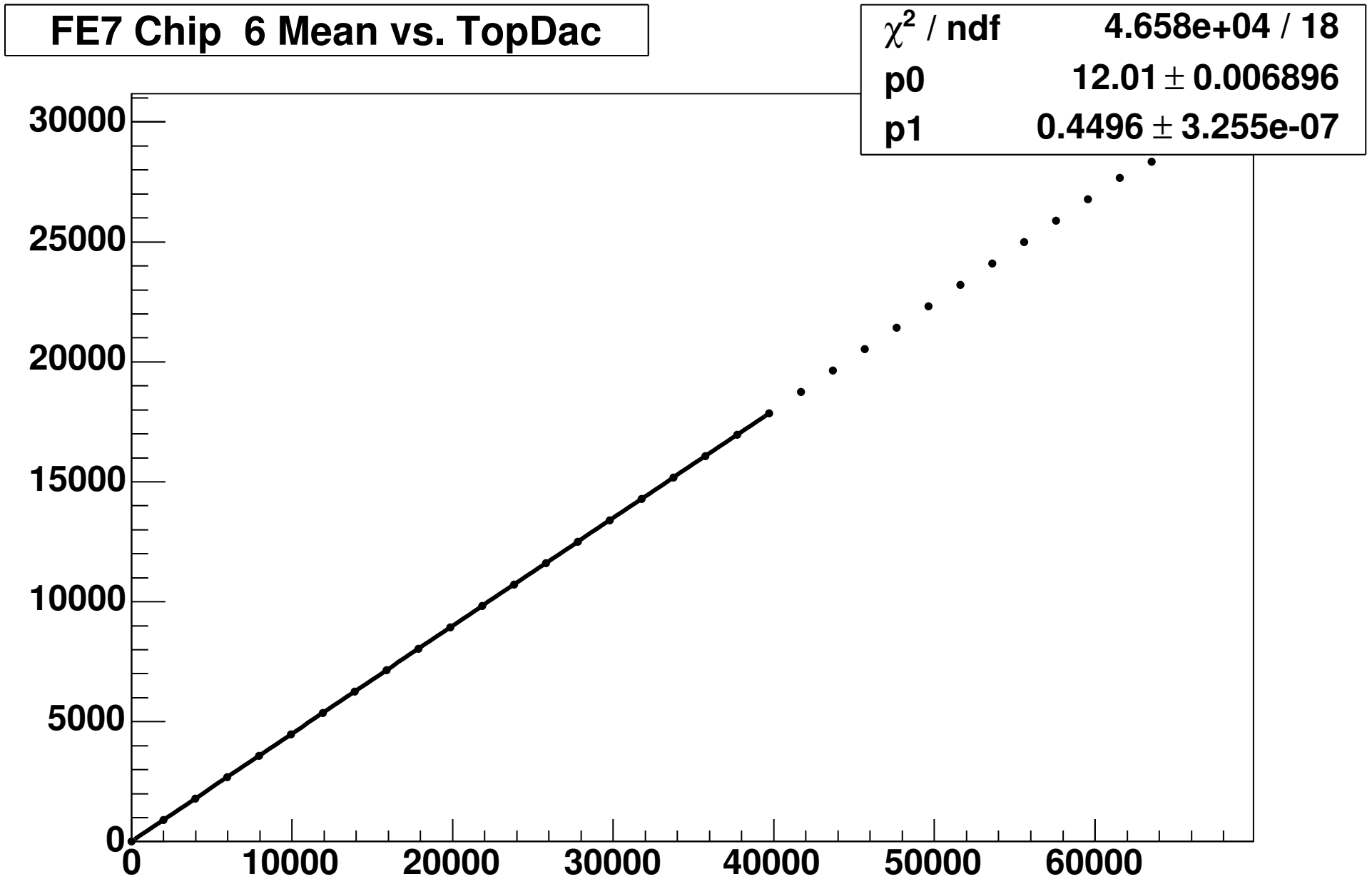

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 440.3 / 18
p0 1.303 ± 0.003801
p1 3.359e-05 ± 2.671e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

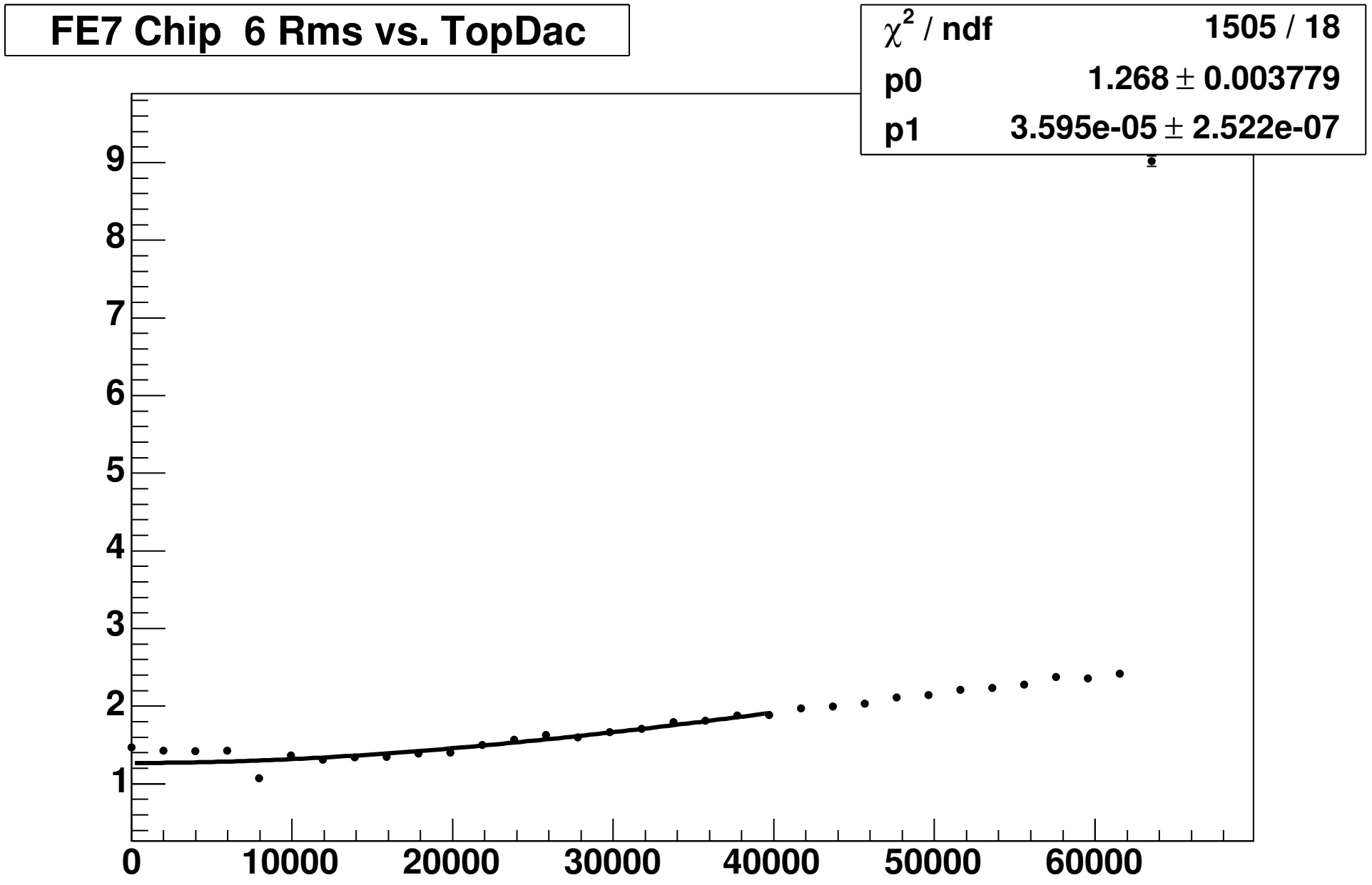

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 205.1 / 18
p0 91.4 ± 0.006985
p1 1.614e-06 ± 2.943e-07
91.6
91.55
91.5
91.45
91.4
91.35
0
10000
20000
30000
40000
50000
60000

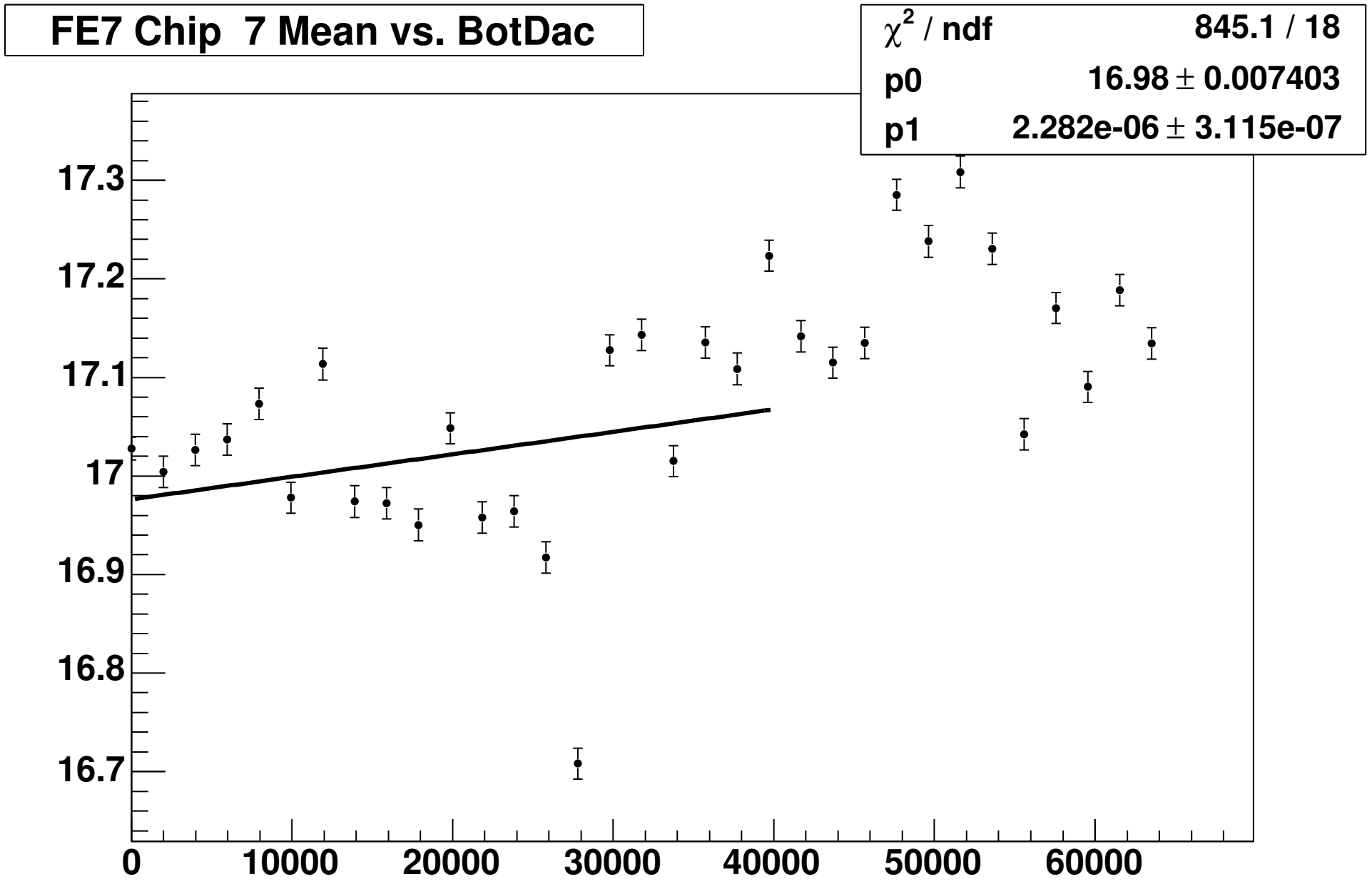

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 10.9 / 18
p0 1.413 ± 0.003634
p1 4.144e-06 ± 1.665e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

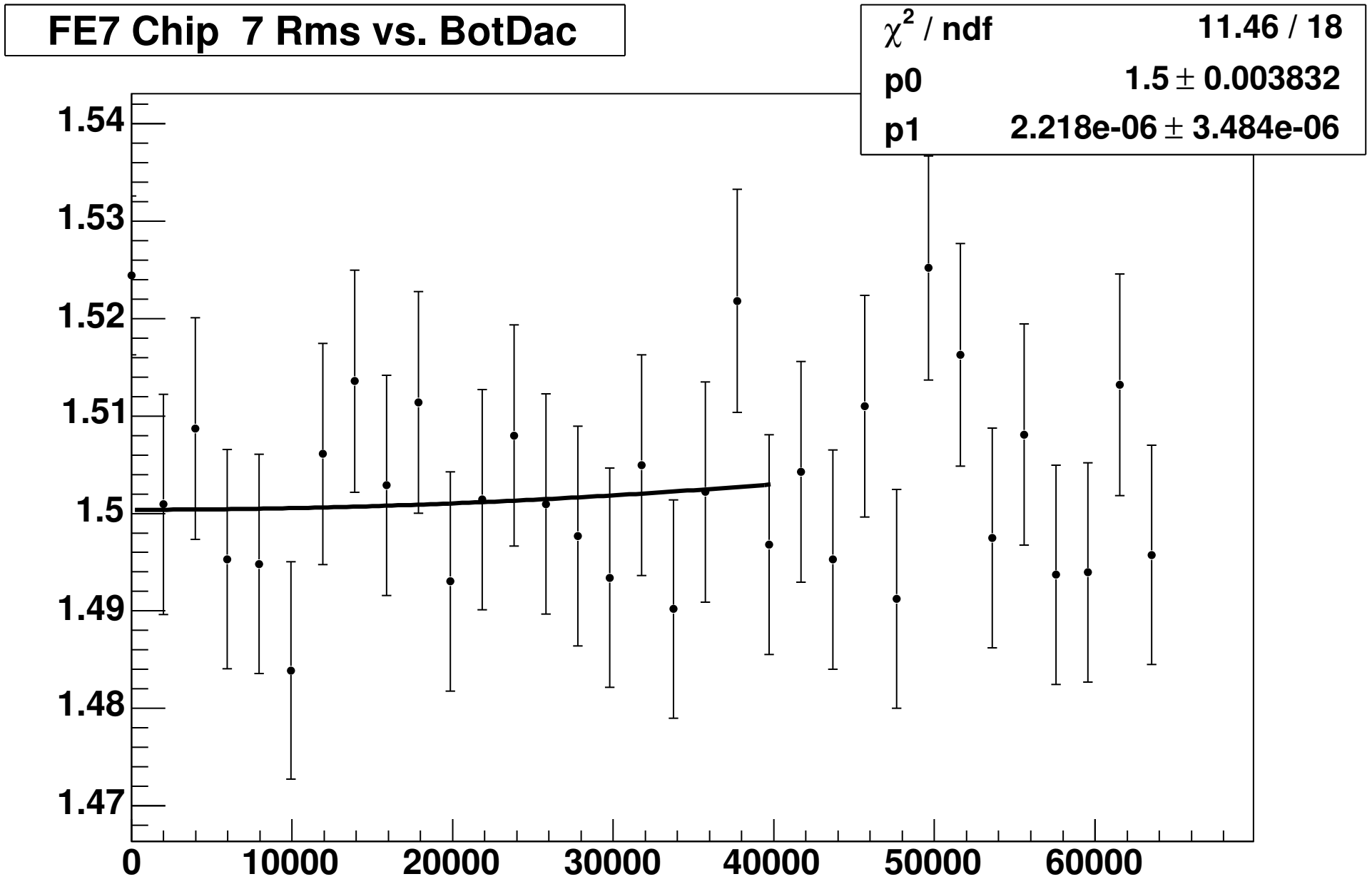

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 828.5 / 18
p0 12.63 ± 0.007213
p1 2.045e-06 ± 3.036e-07
13
12.9
12.8
12.7
12.6
12.5
12.4
12.3
0
10000
20000
30000
40000
50000
60000

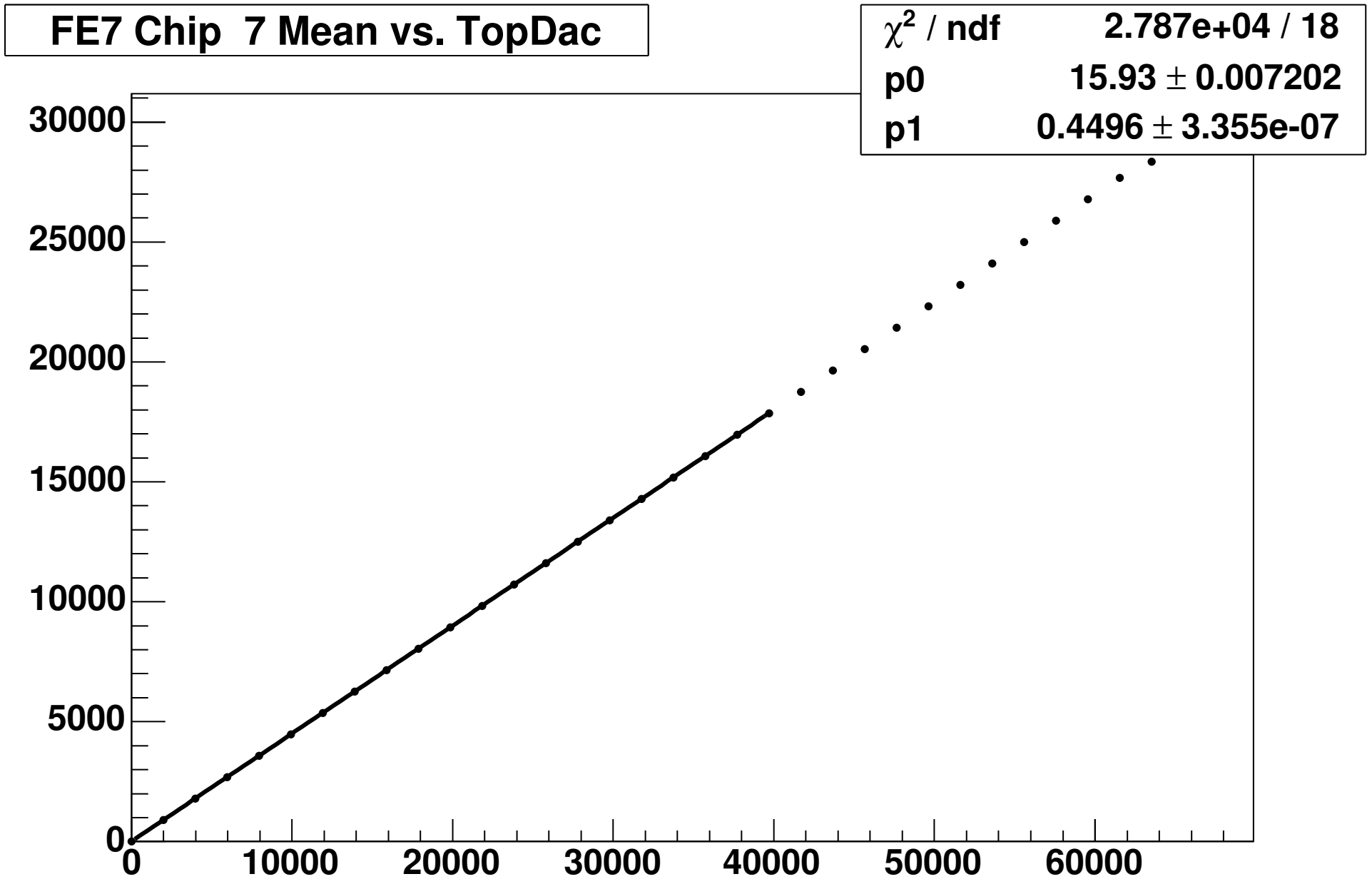

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 23.82 / 18
p0 1.463 ± 0.003755
p1 2.816e-06 ± 2.607e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

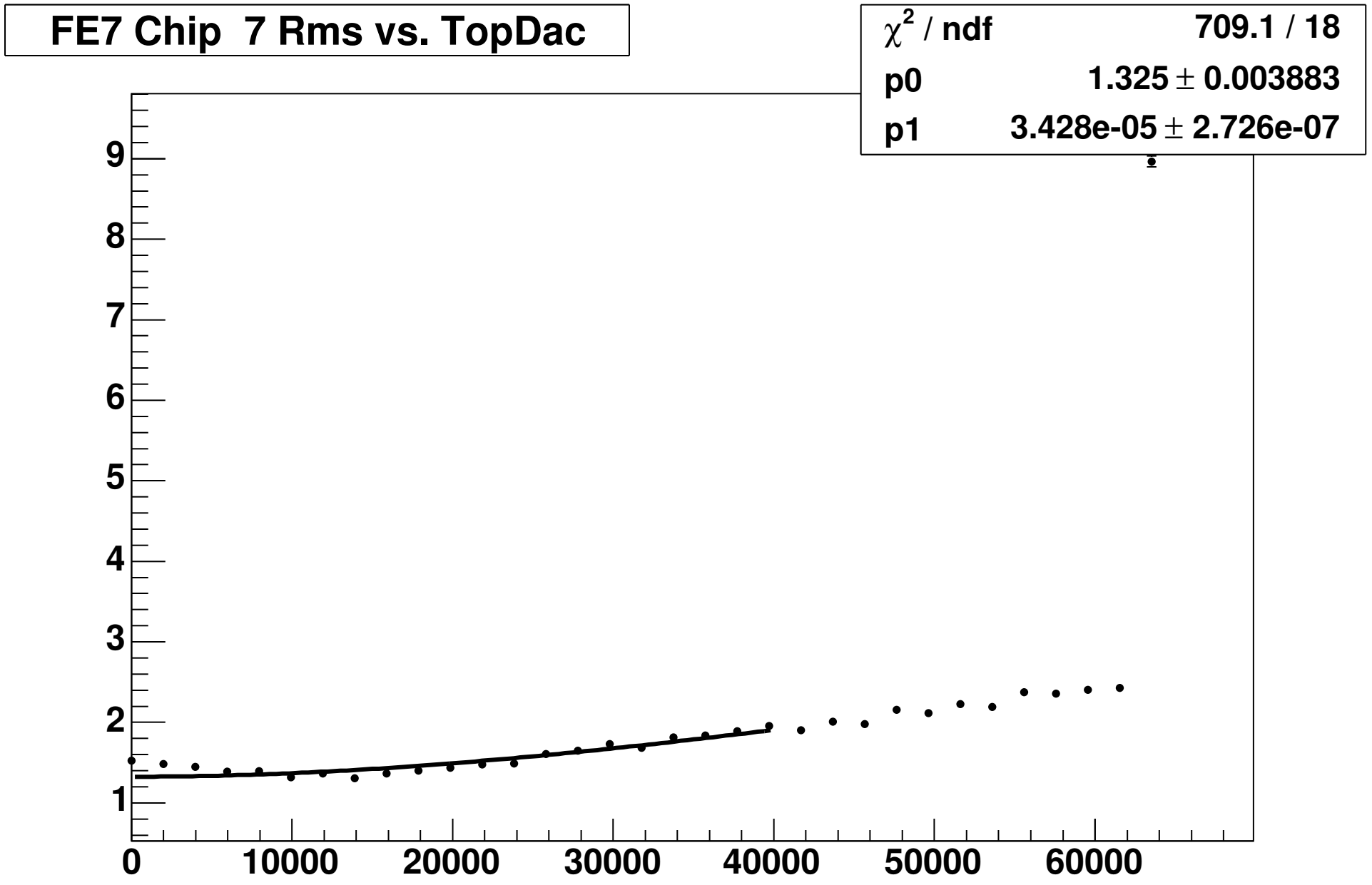

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 4.658e+04 / 18
p0 12.01 ± 0.006896
p1 0.4496 ± 3.255e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

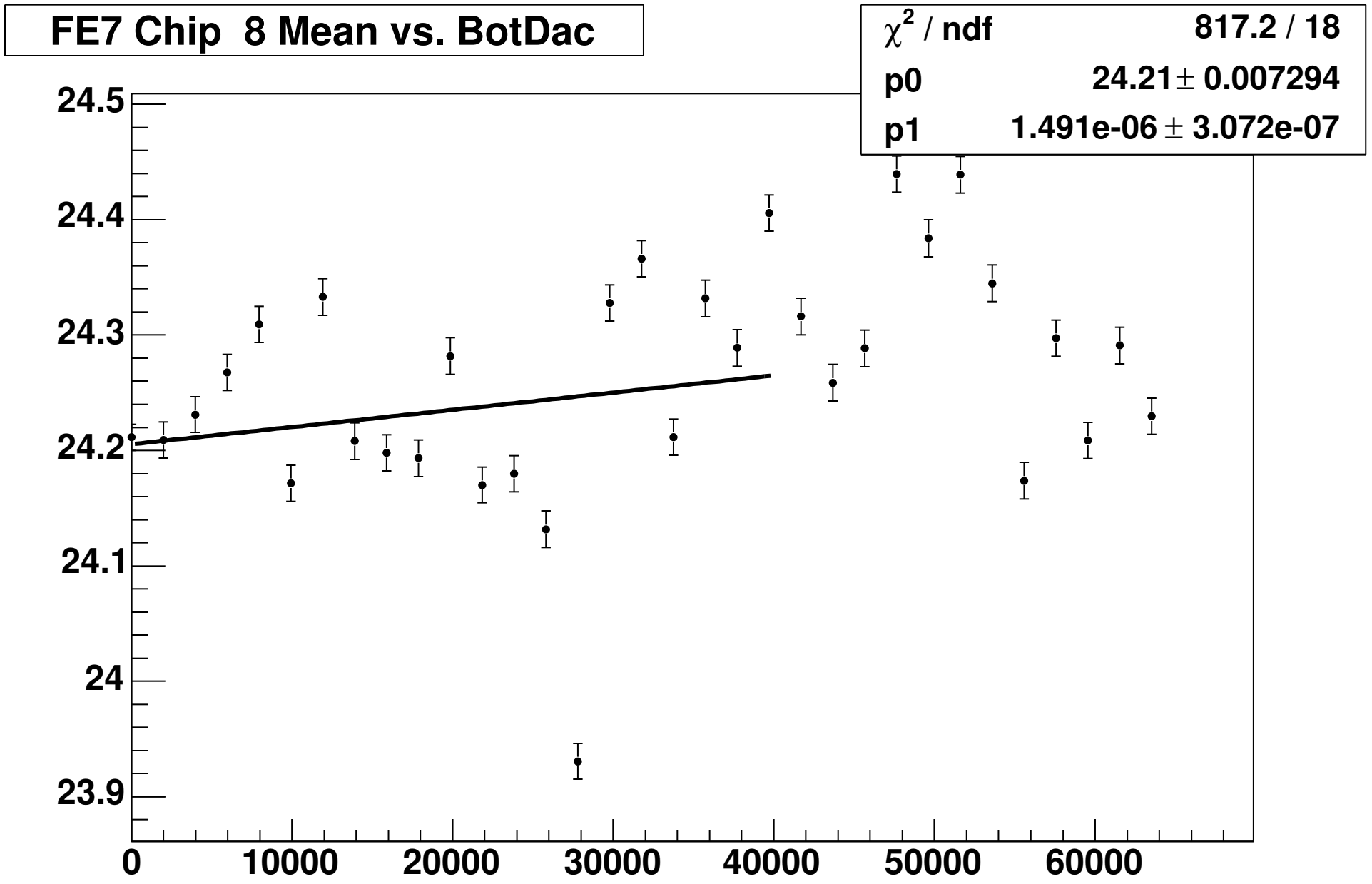

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1505 / 18
p0 1.268 ± 0.003779
p1 3.595e-05 ± 2.522e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

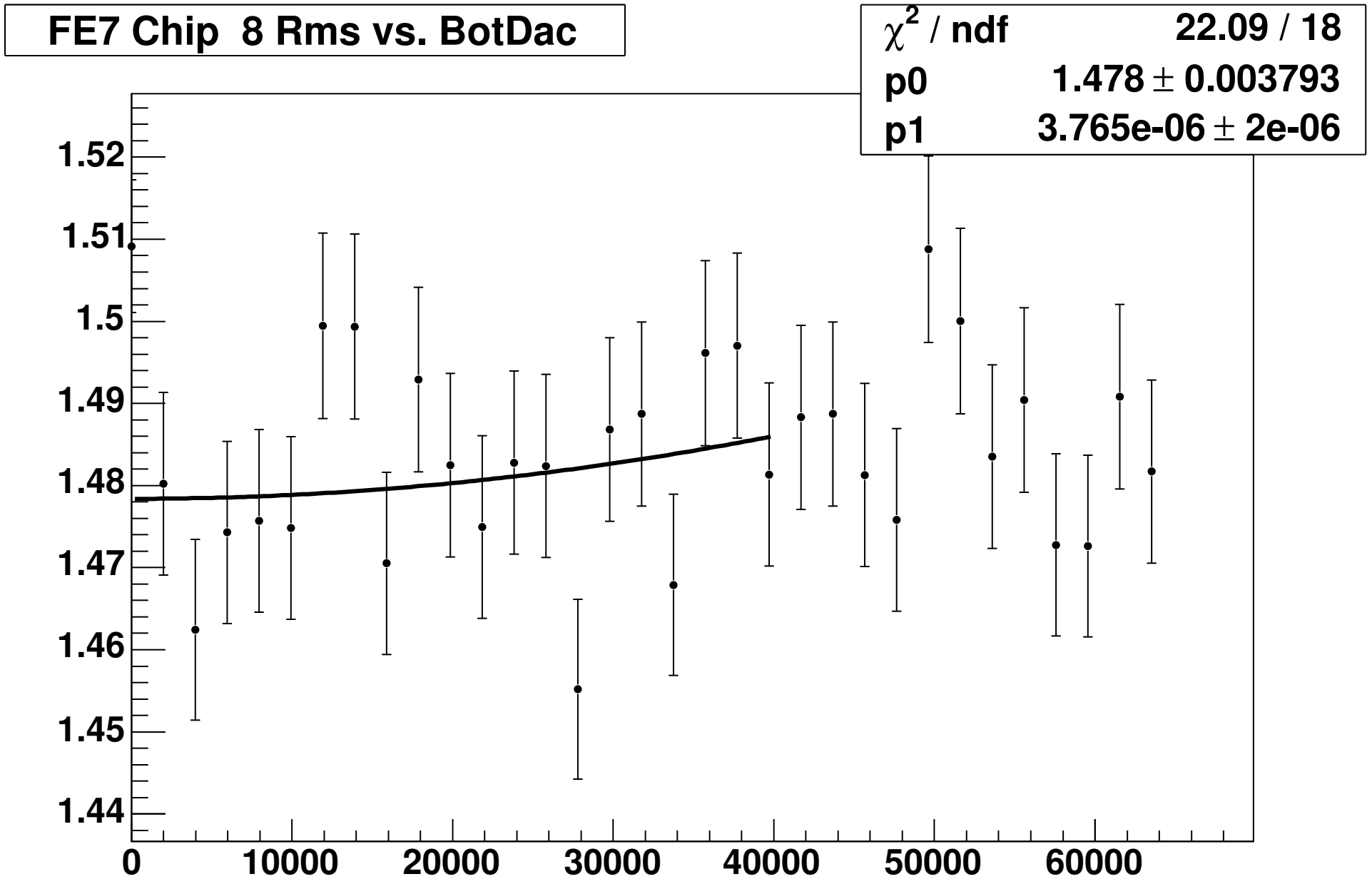

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 845.1 / 18
p0 16.98 ± 0.007403
p1 2.282e-06 ± 3.115e-07
17.3
17.2
17.1
17
16.9
16.8
16.7
0
10000
20000
30000
40000
50000
60000

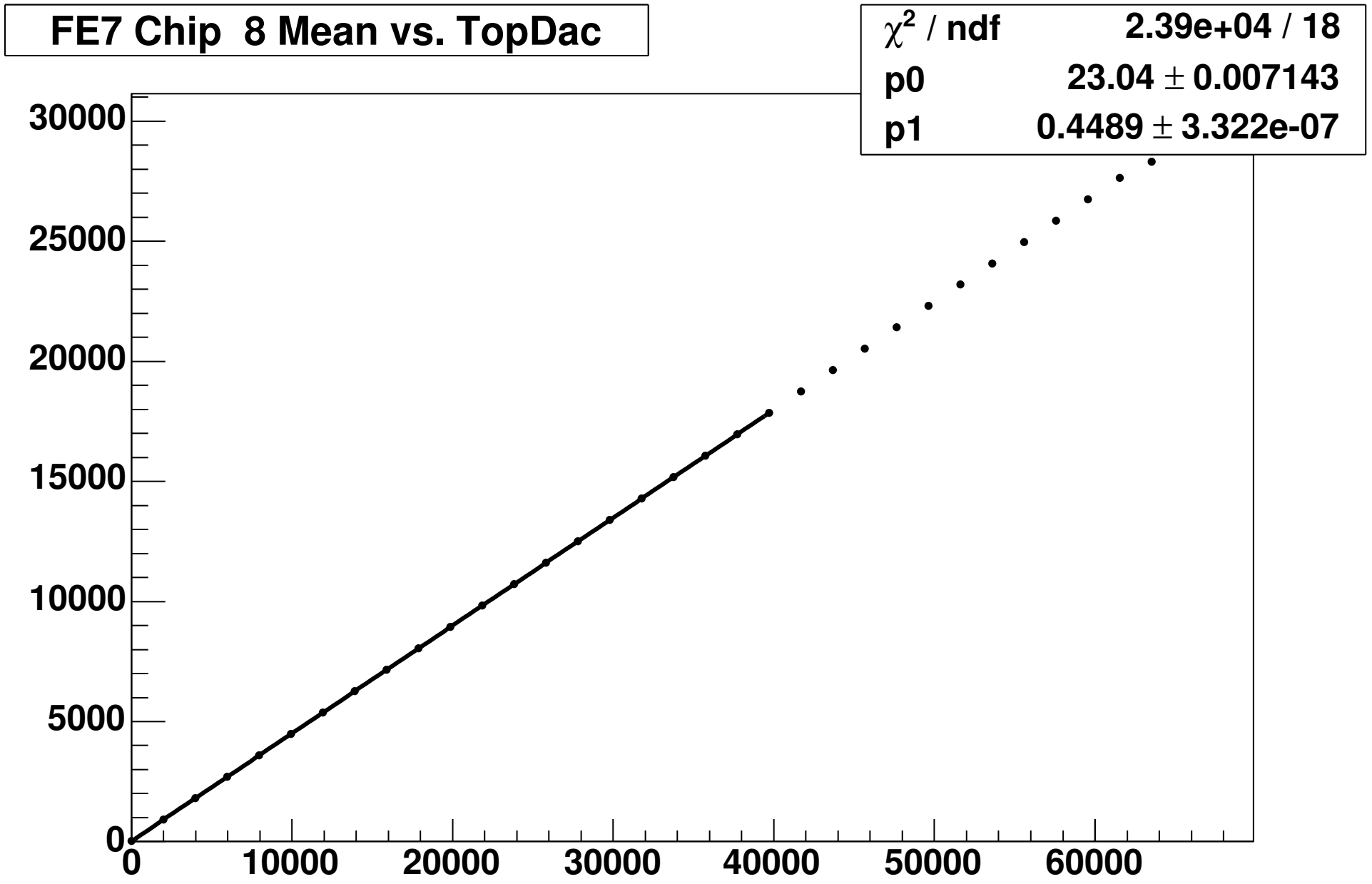

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 11.46 / 18
p0 1.5 ± 0.003832
p1 2.218e-06 ± 3.484e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

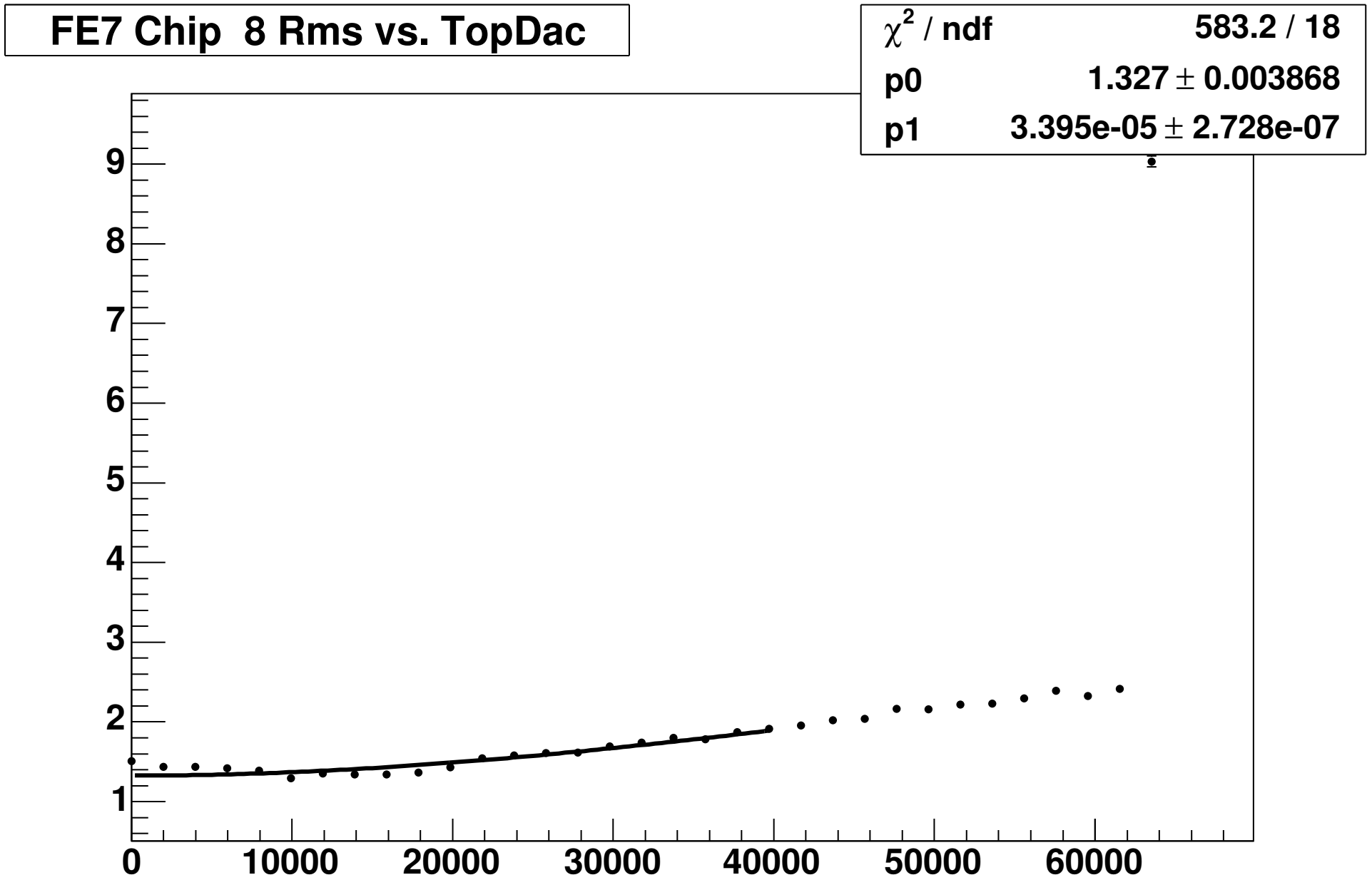

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 2.787e+04 / 18
p0 15.93 ± 0.007202
p1 0.4496 ± 3.355e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

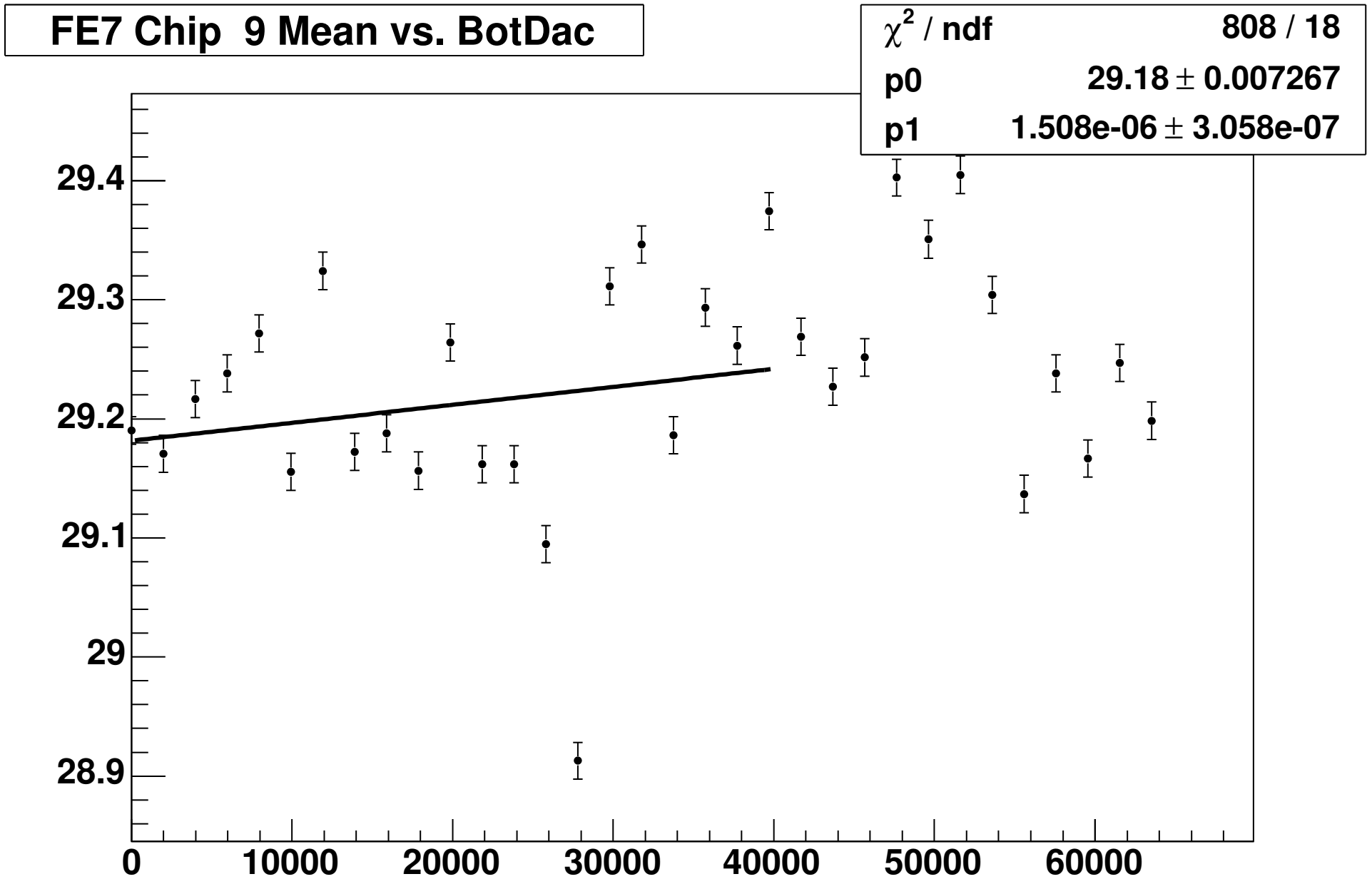

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 709.1 / 18
p0 1.325 ± 0.003883
p1 3.428e-05 ± 2.726e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

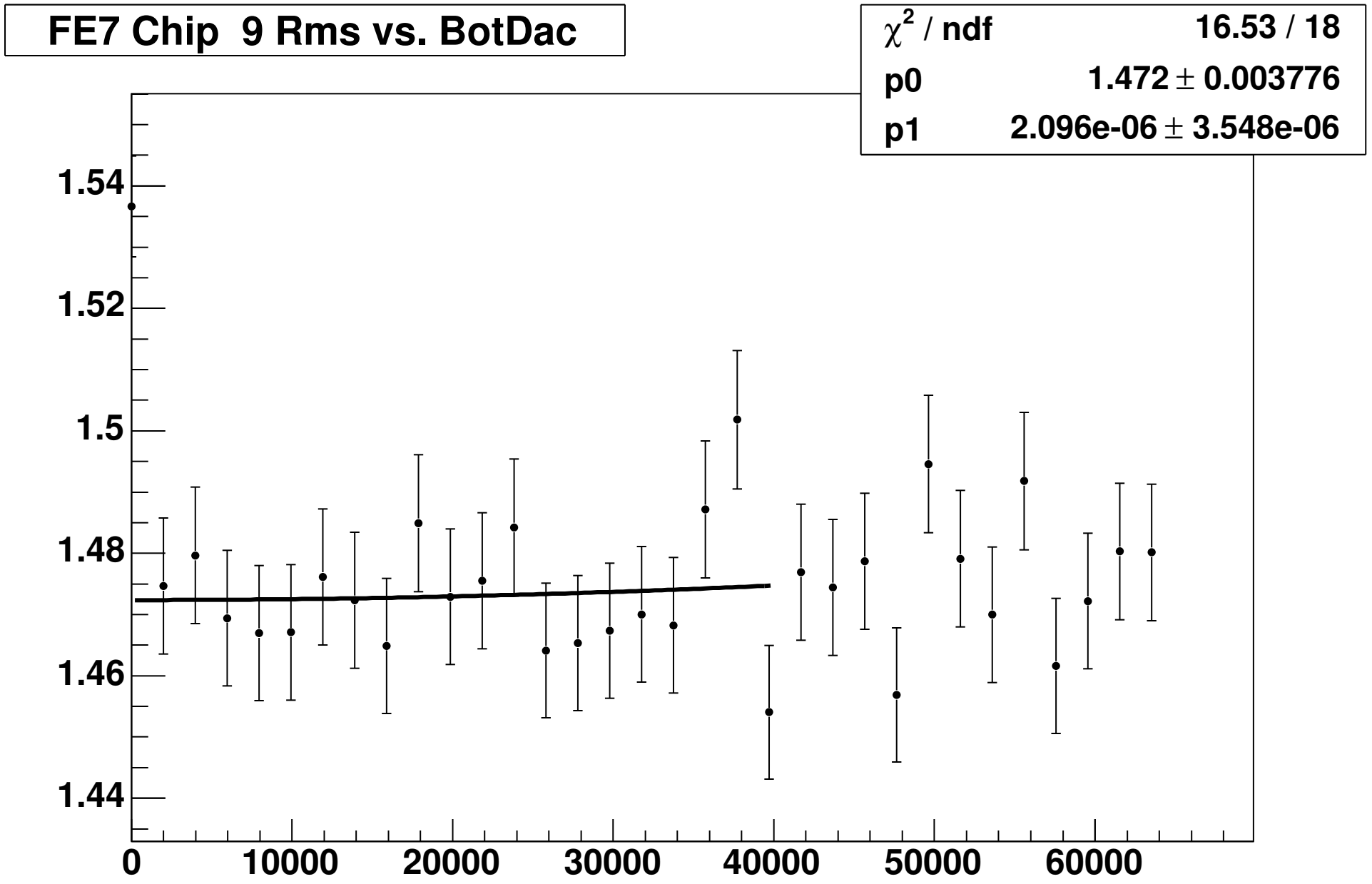

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 817.2 / 18
p0 24.21 ± 0.007294
p1 1.491e-06 ± 3.072e-07
24.5
24.4
24.3
24.2
24.1
24
23.9
0
10000
20000
30000
40000
50000
60000

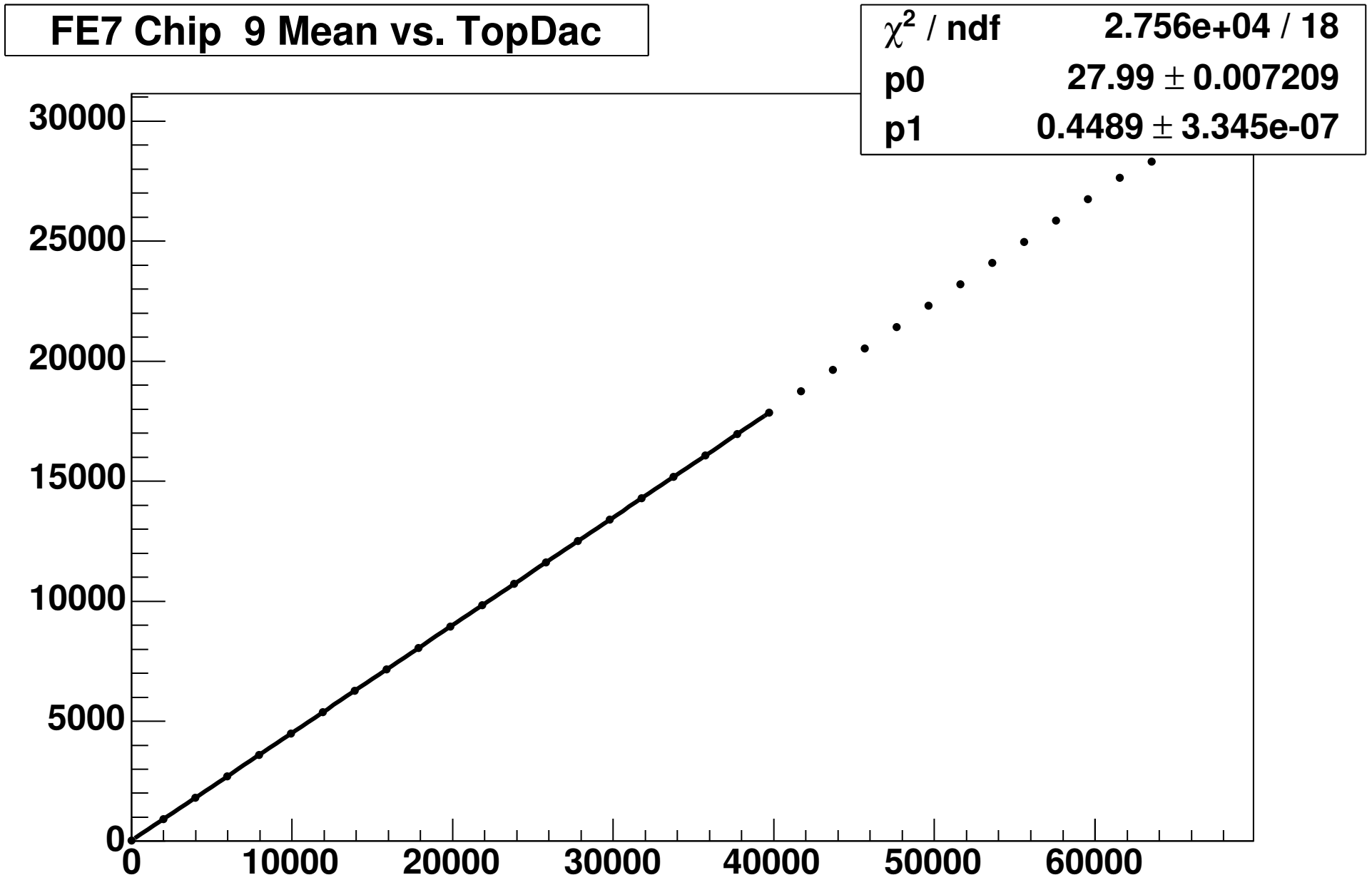

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 22.09 / 18
p0 1.478 ± 0.003793
p1 3.765e-06 ± 2e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

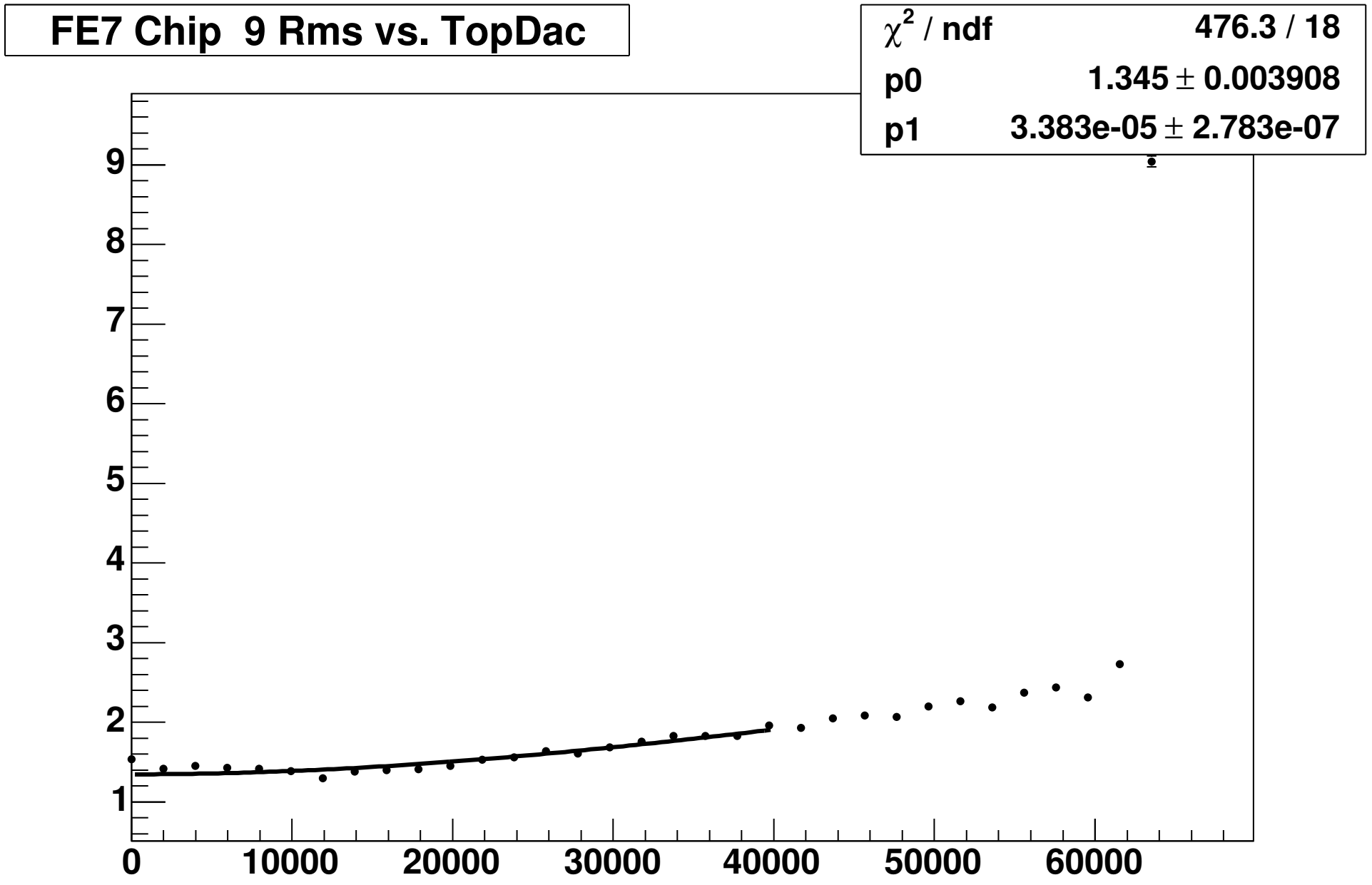

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 2.39e+04 / 18
p0 23.04 ± 0.007143
p1 0.4489 ± 3.322e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

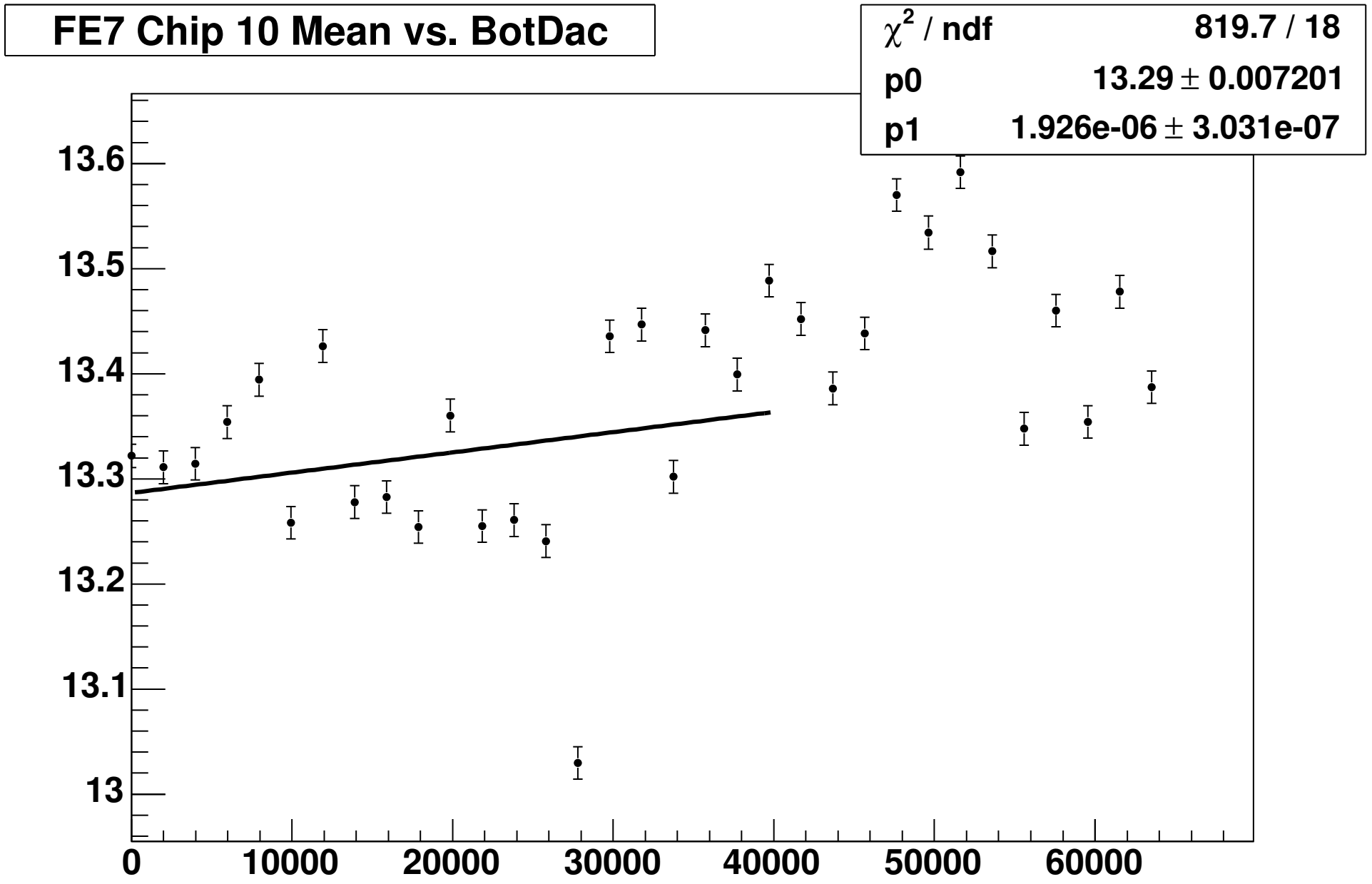

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 583.2 / 18
p0 1.327 ± 0.003868
p1 3.395e-05 ± 2.728e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

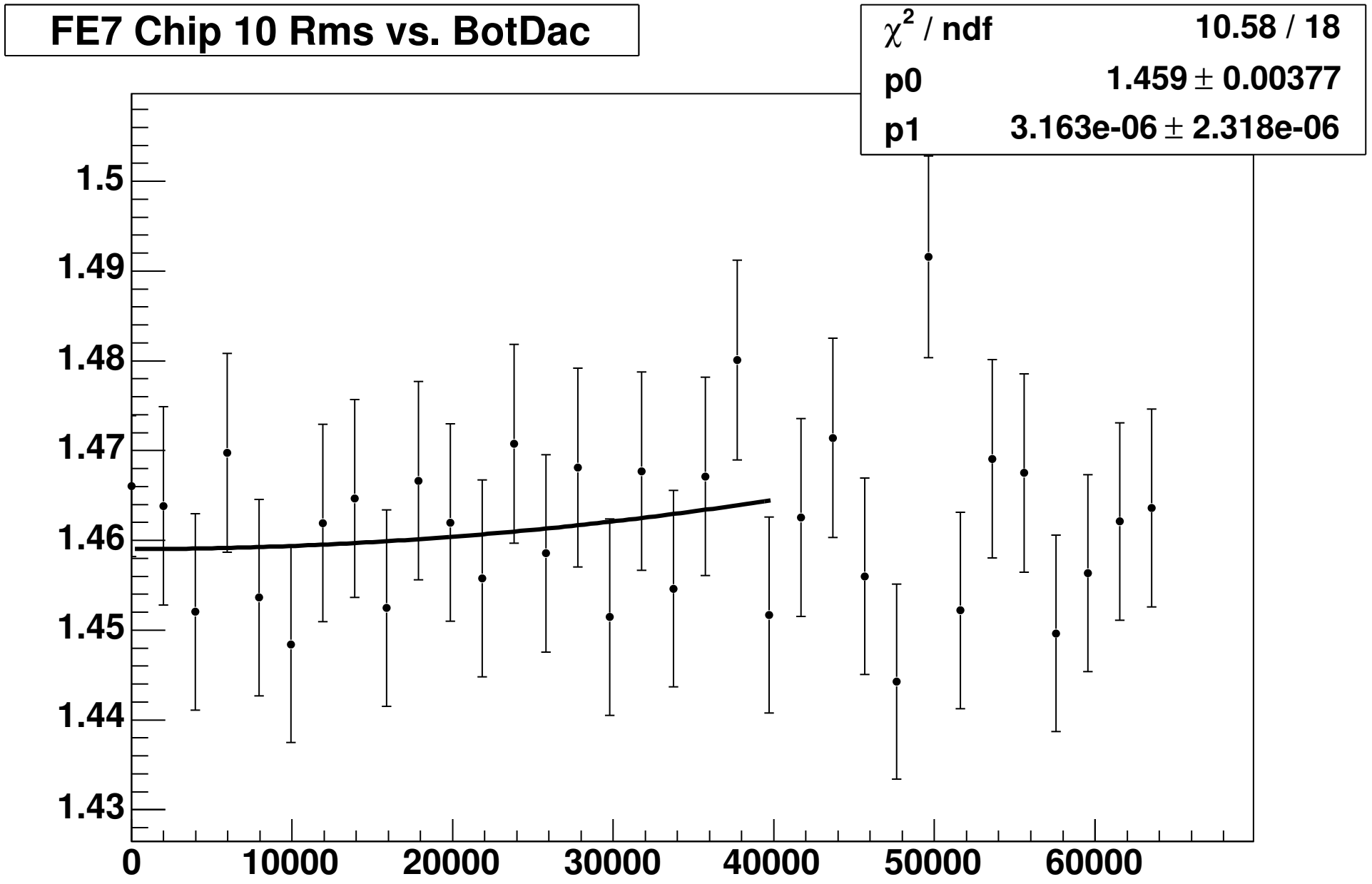

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 808 / 18
p0 29.18 ± 0.007267
p1 1.508e-06 ± 3.058e-07
29.4
29.3
29.2
29.1
29
28.9
0
10000
20000
30000
40000
50000
60000

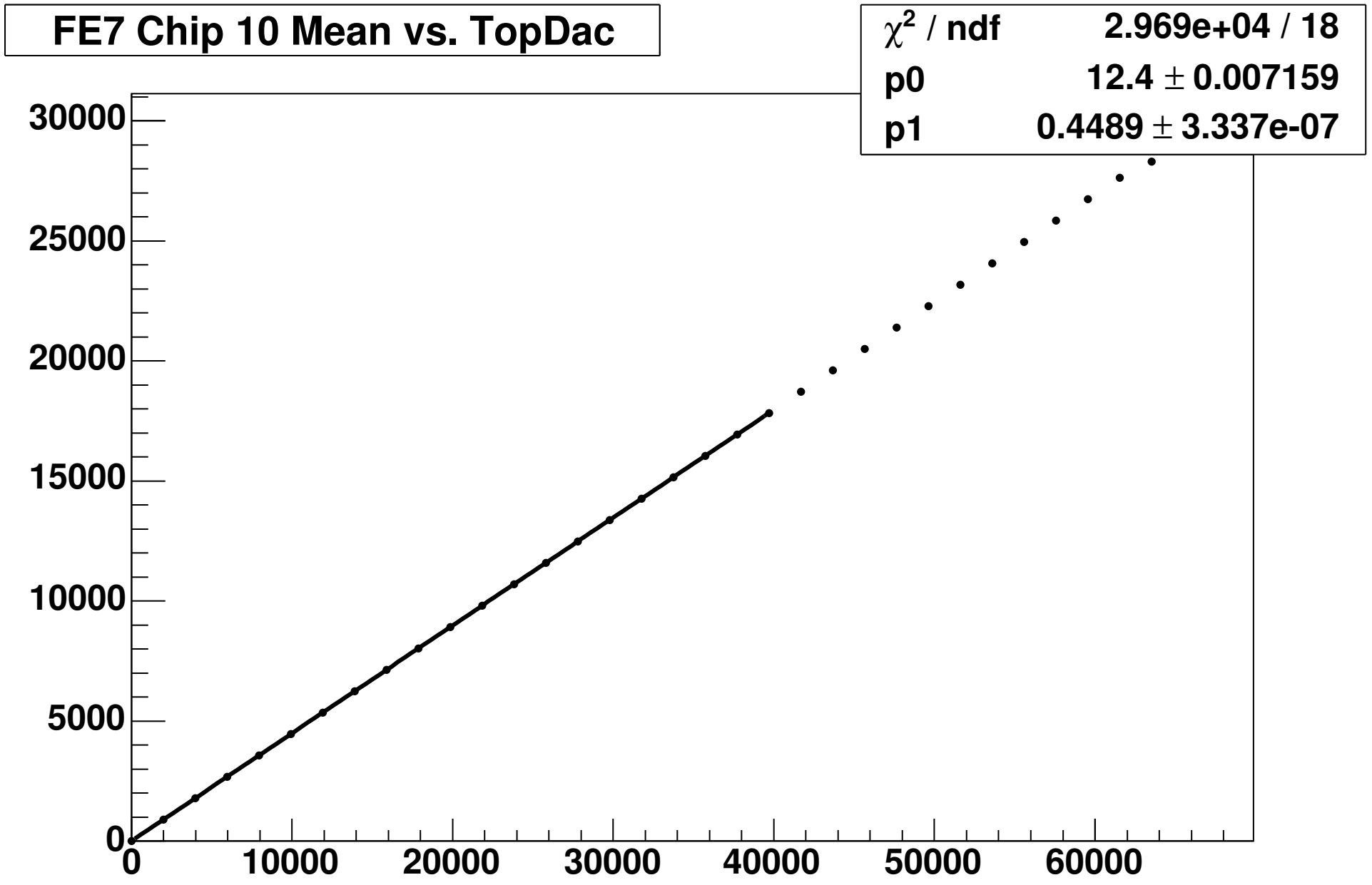

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 16.53 / 18
p0 1.472 ± 0.003776
p1 2.096e-06 ± 3.548e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

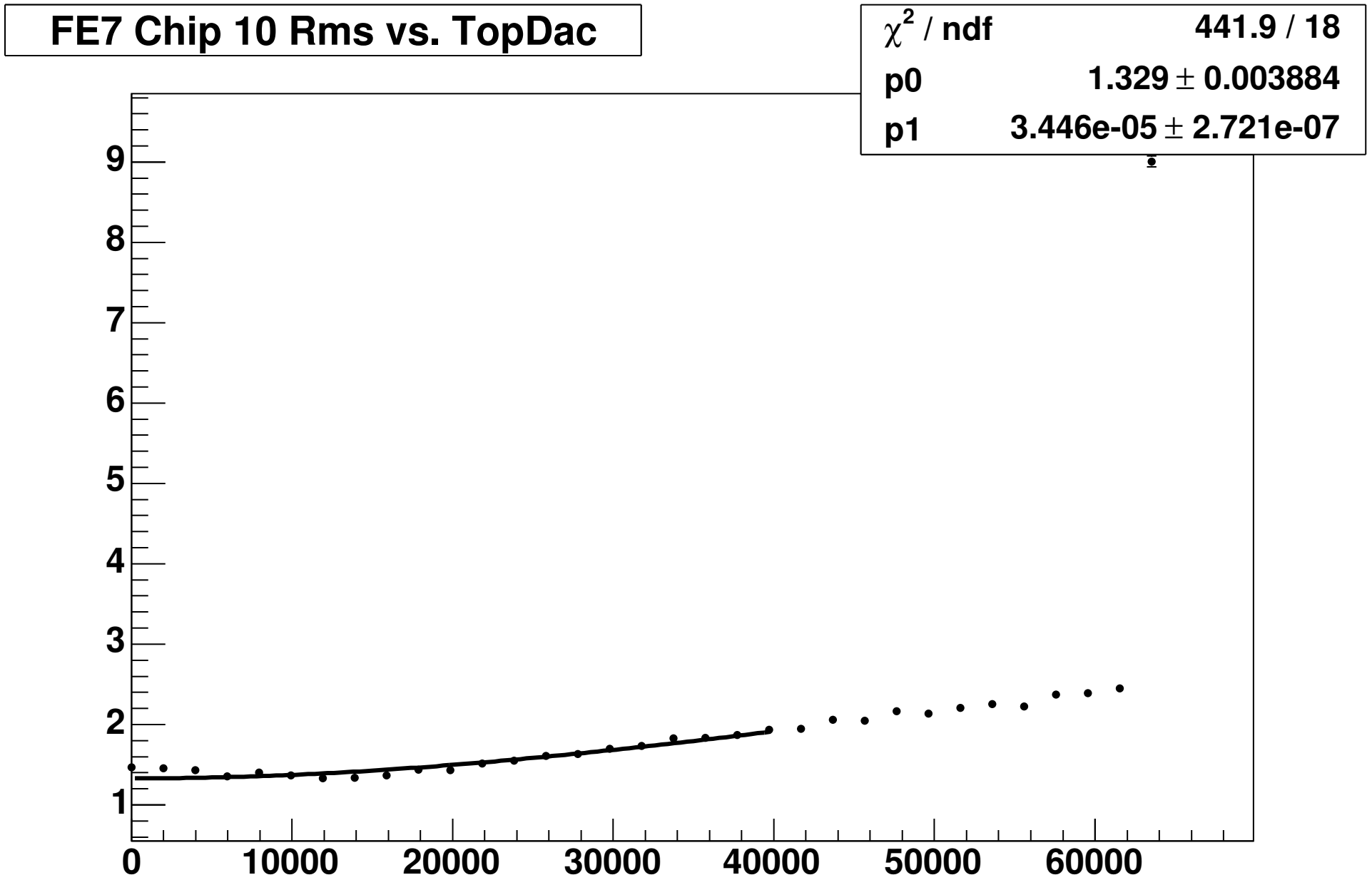

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 2.756e+04 / 18
p0 27.99 ± 0.007209
p1 0.4489 ± 3.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

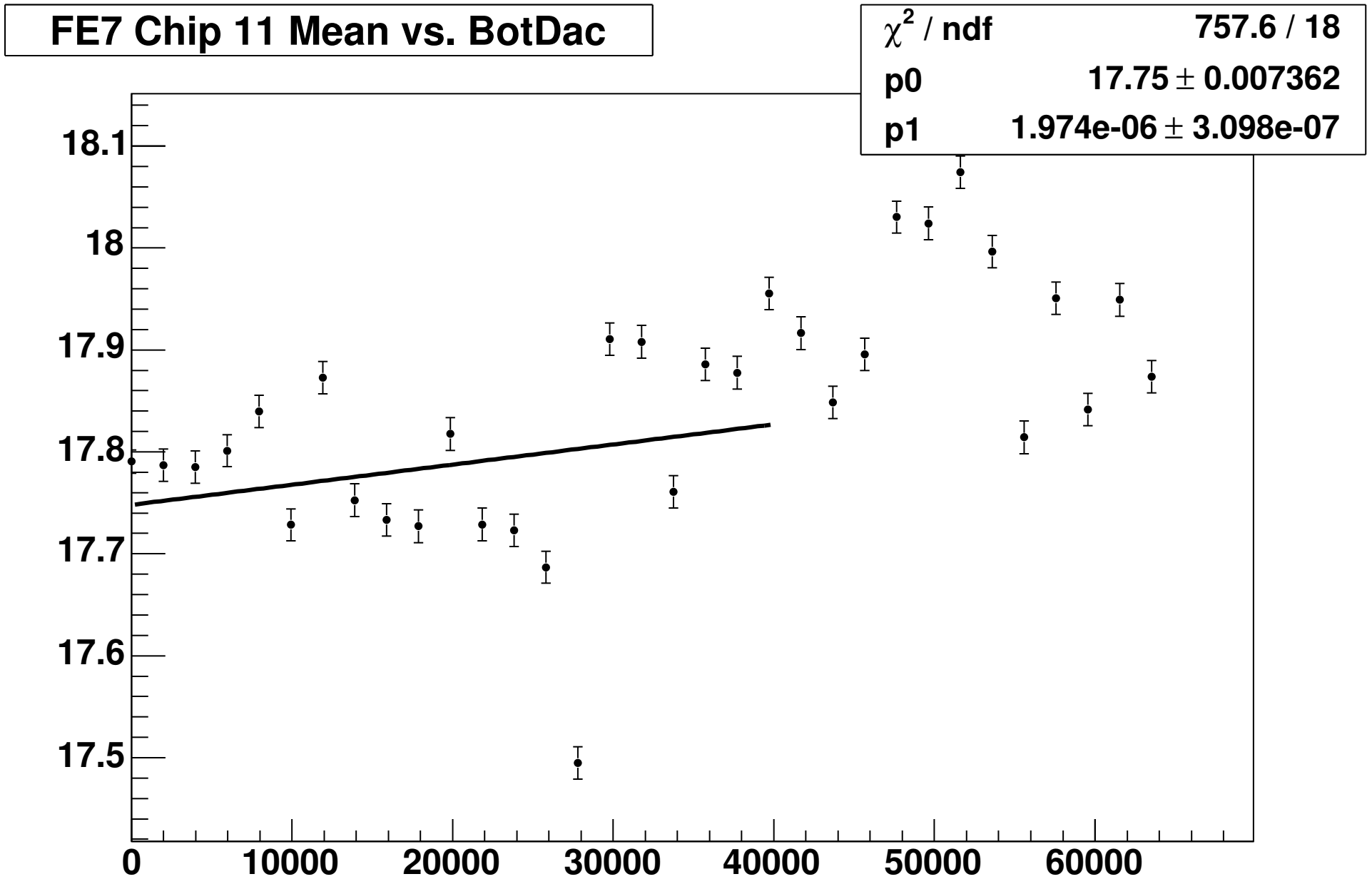

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 476.3 / 18
p0 1.345 ± 0.003908
p1 3.383e-05 ± 2.783e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

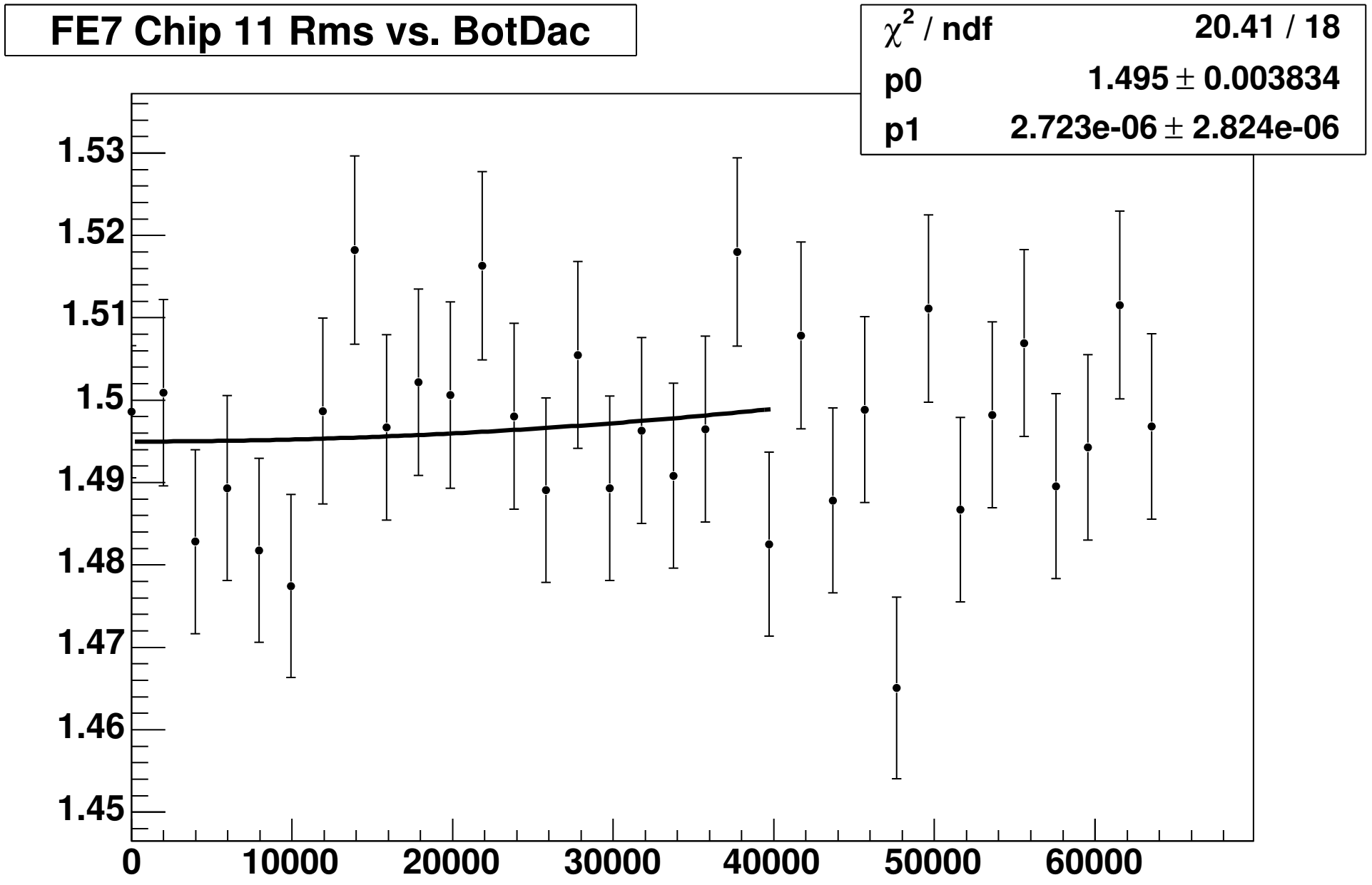

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 819.7 / 18
p0 13.29 ± 0.007201
p1 1.926e-06 ± 3.031e-07
13.6
13.5
13.4
13.3
13.2
13.1
13
0
10000
20000
30000
40000
50000
60000

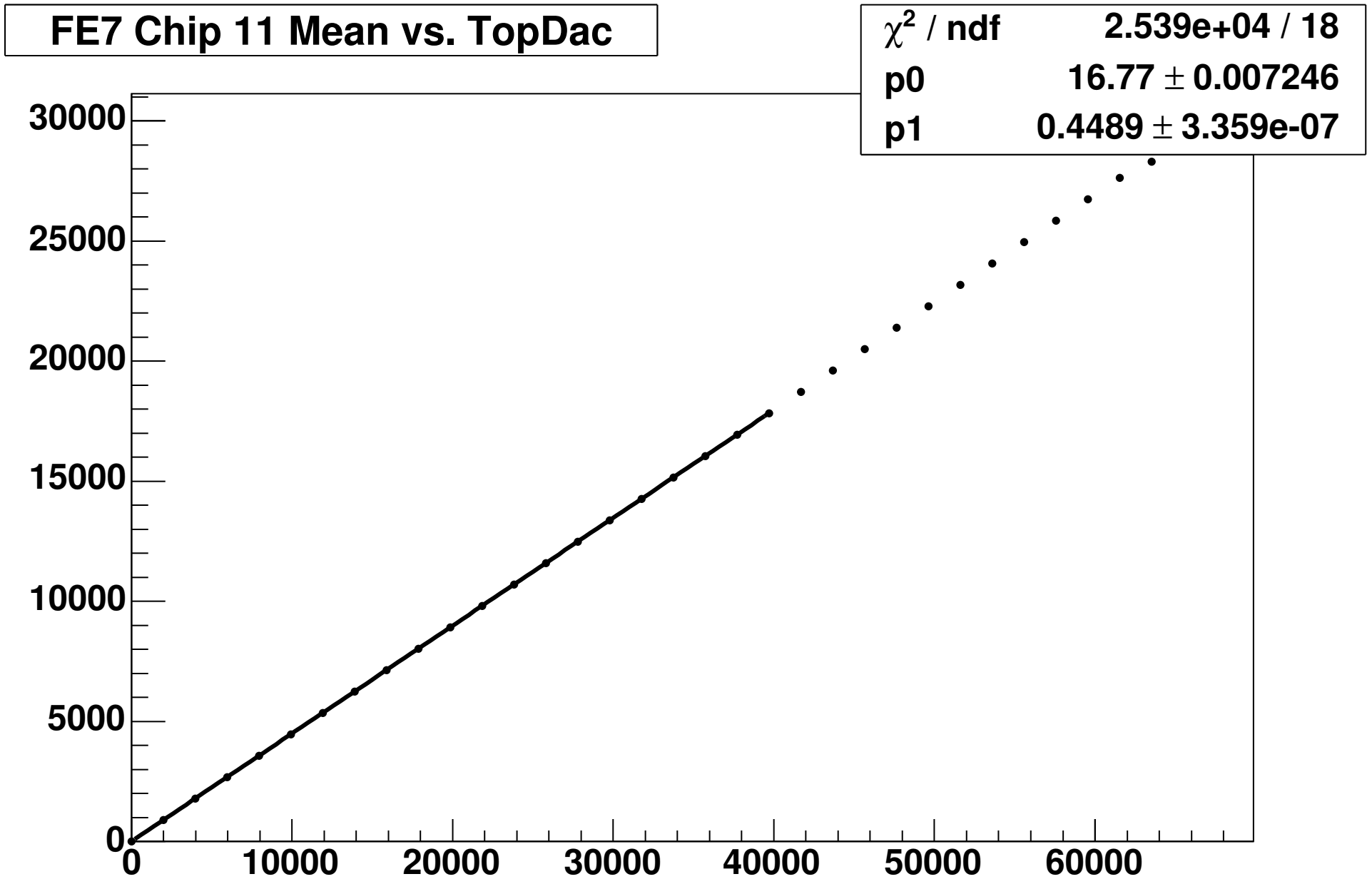

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 10.58 / 18
p0 1.459 ± 0.00377
p1 3.163e-06 ± 2.318e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

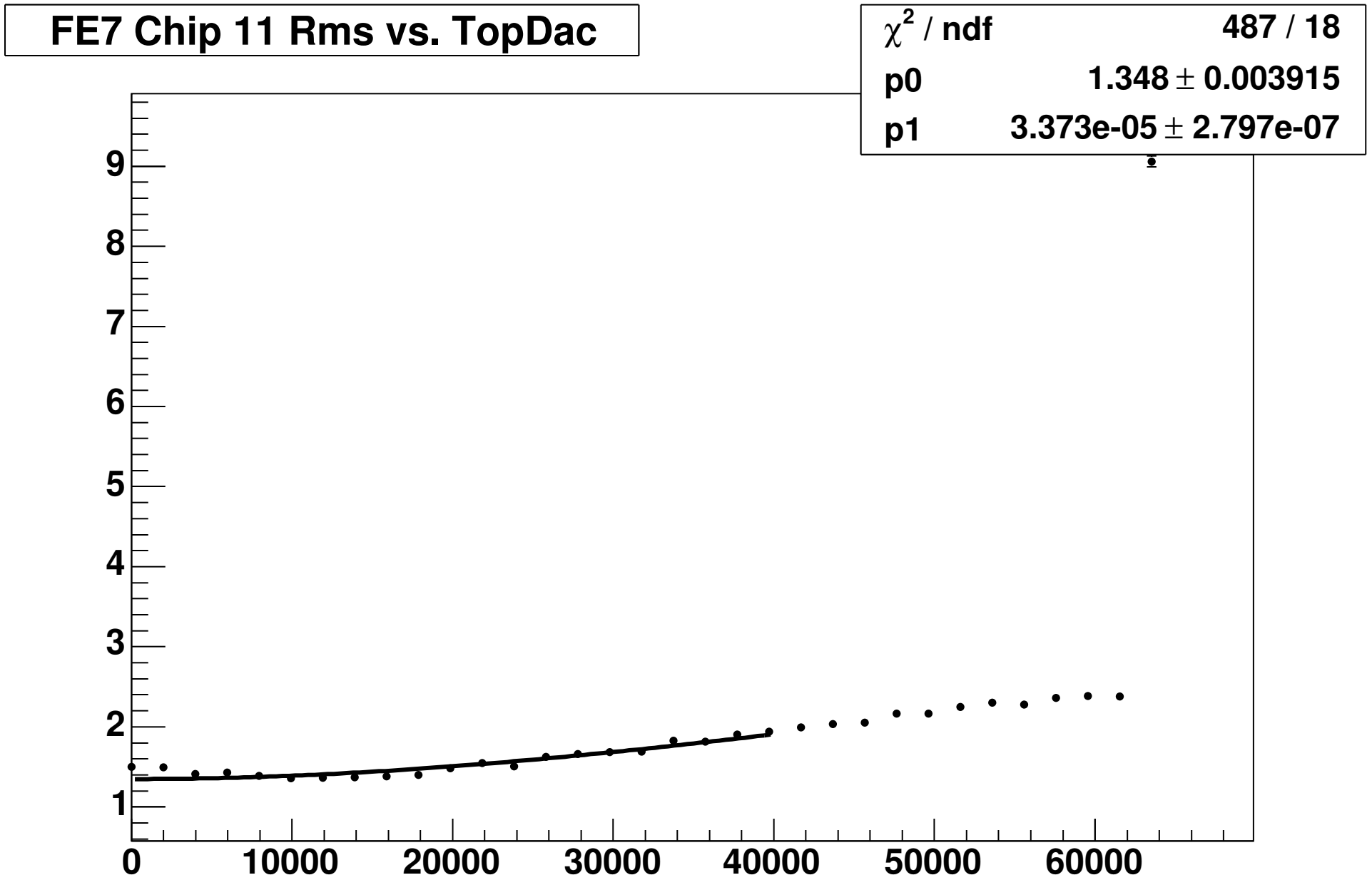

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 2.969e+04 / 18
p0 12.4 ± 0.007159
p1 0.4489 ± 3.337e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

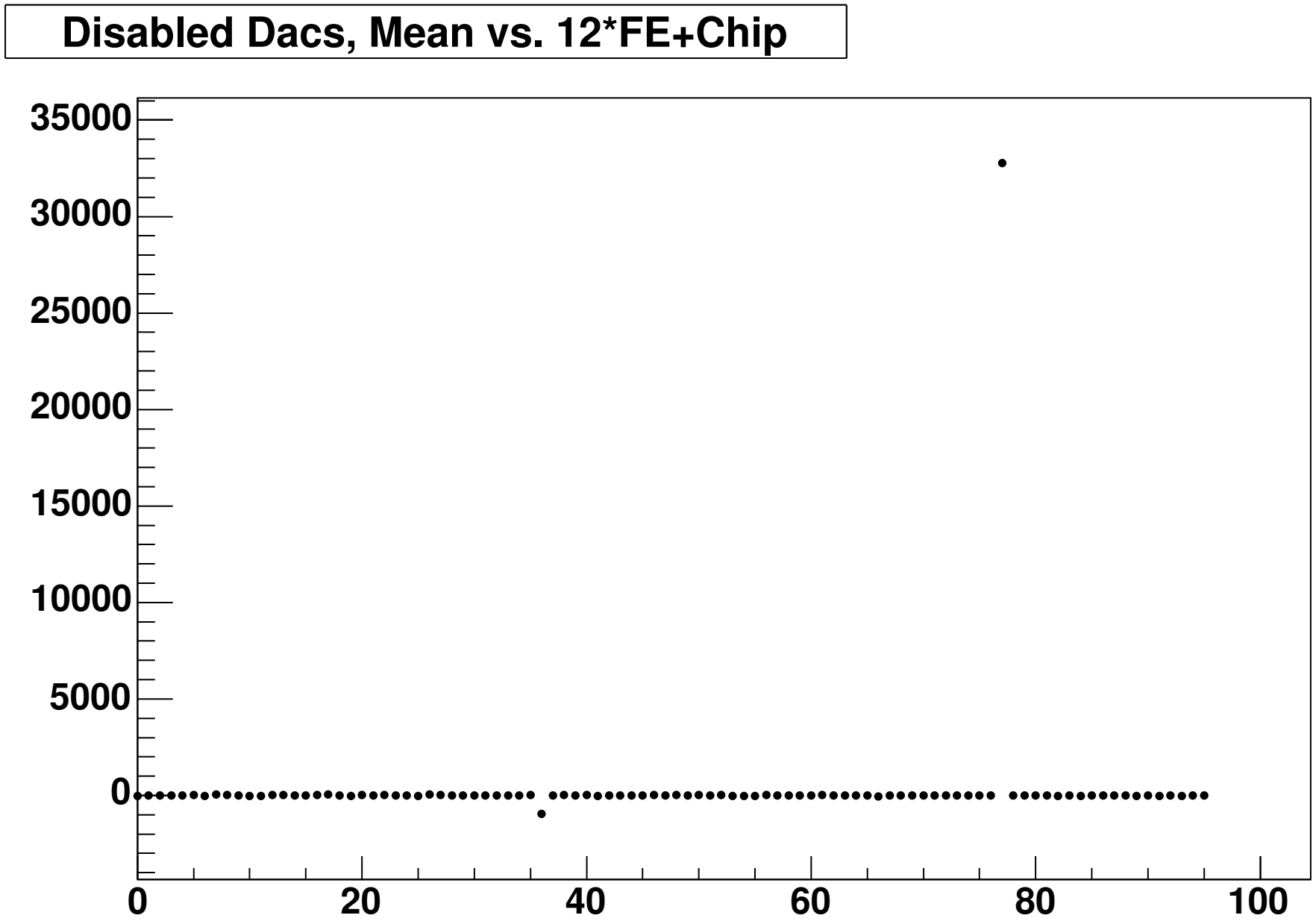

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 441.9 / 18
p0 1.329 ± 0.003884
p1 3.446e-05 ± 2.721e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

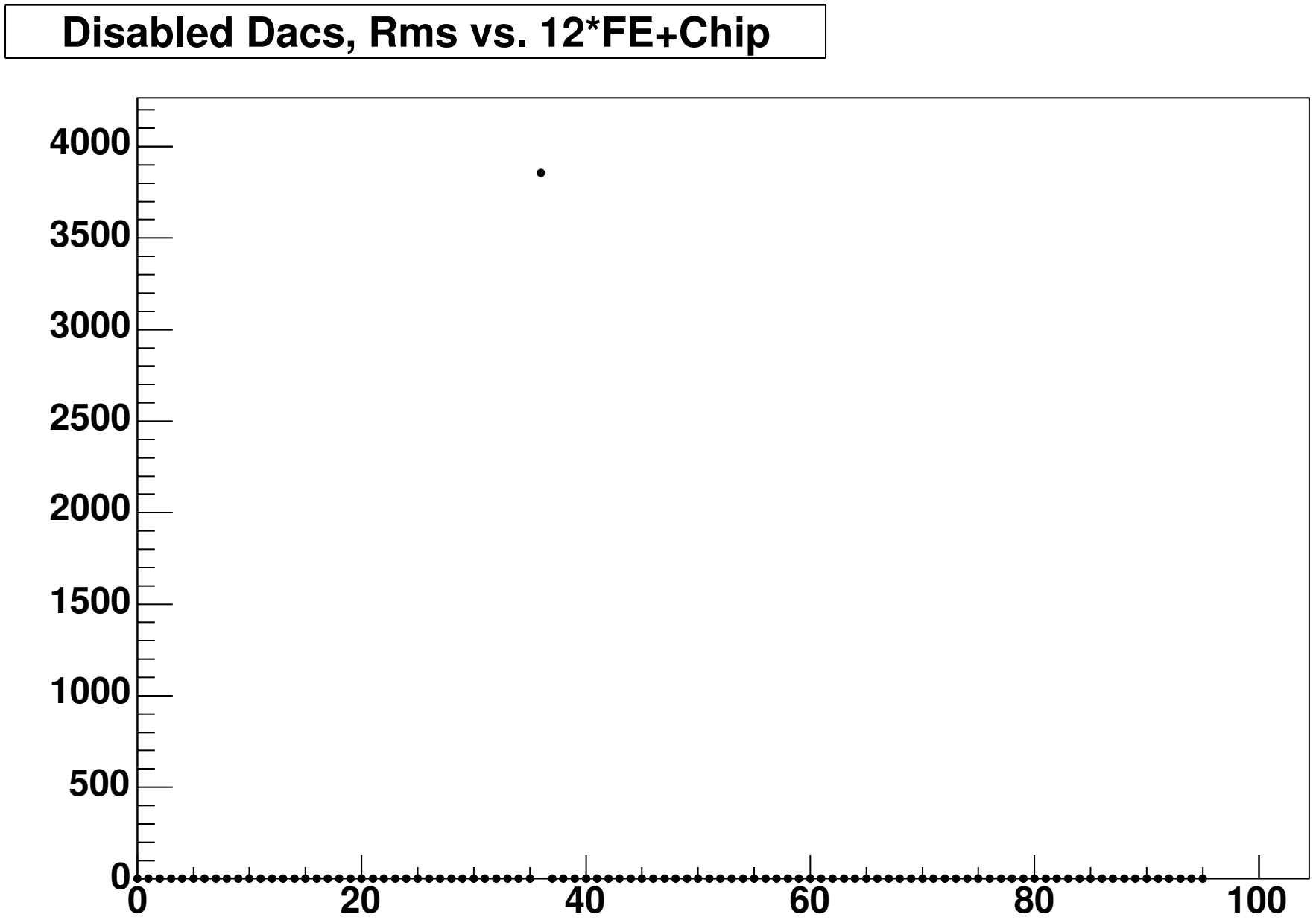

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 757.6 / 18
p0 17.75 ± 0.007362
p1 1.974e-06 ± 3.098e-07
18.1
18
17.9
17.8
17.7
17.6
17.5
0
10000
20000
30000
40000
50000
60000

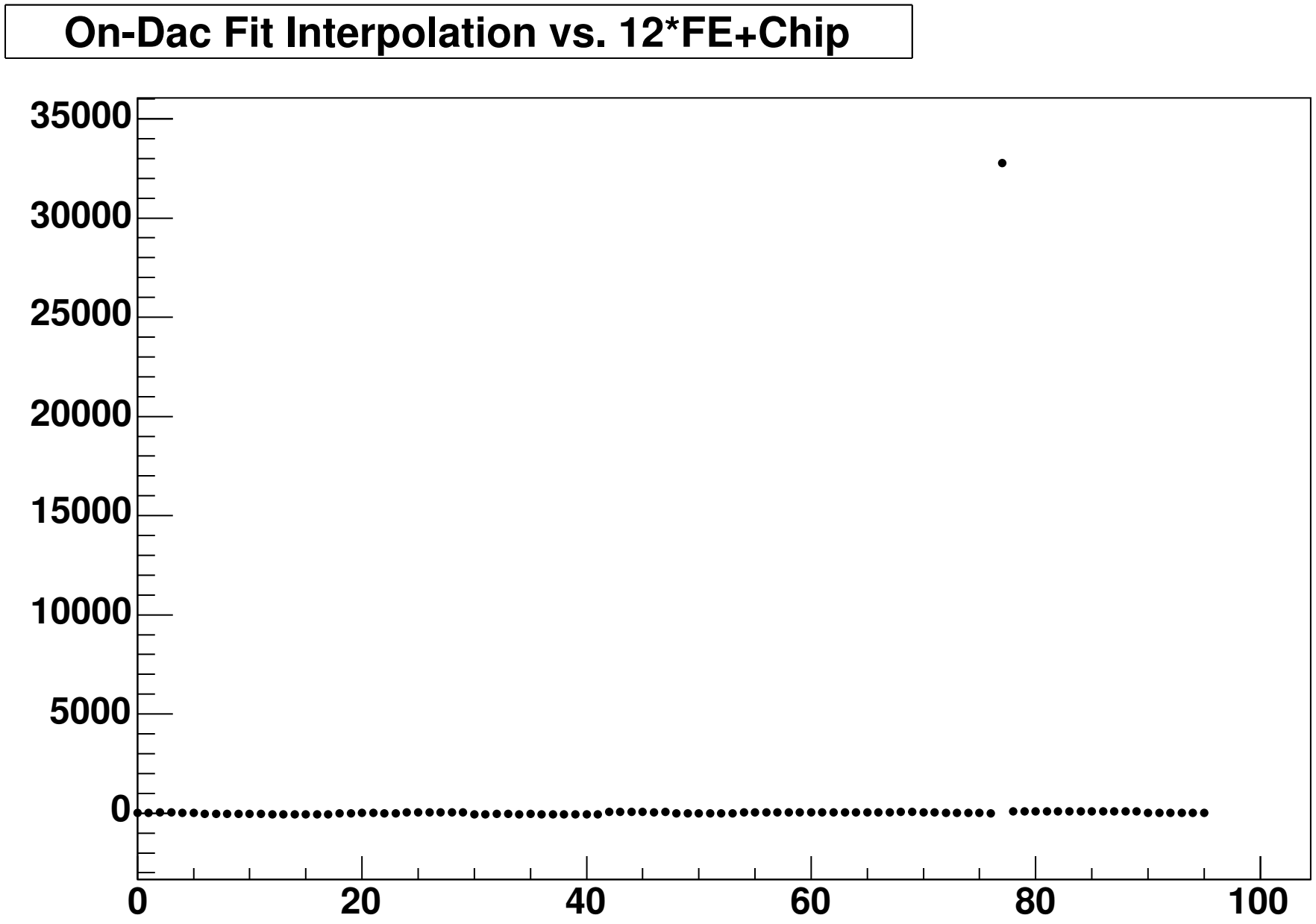

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 20.41 / 18
p0 1.495 ± 0.003834
p1 2.723e-06 ± 2.824e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

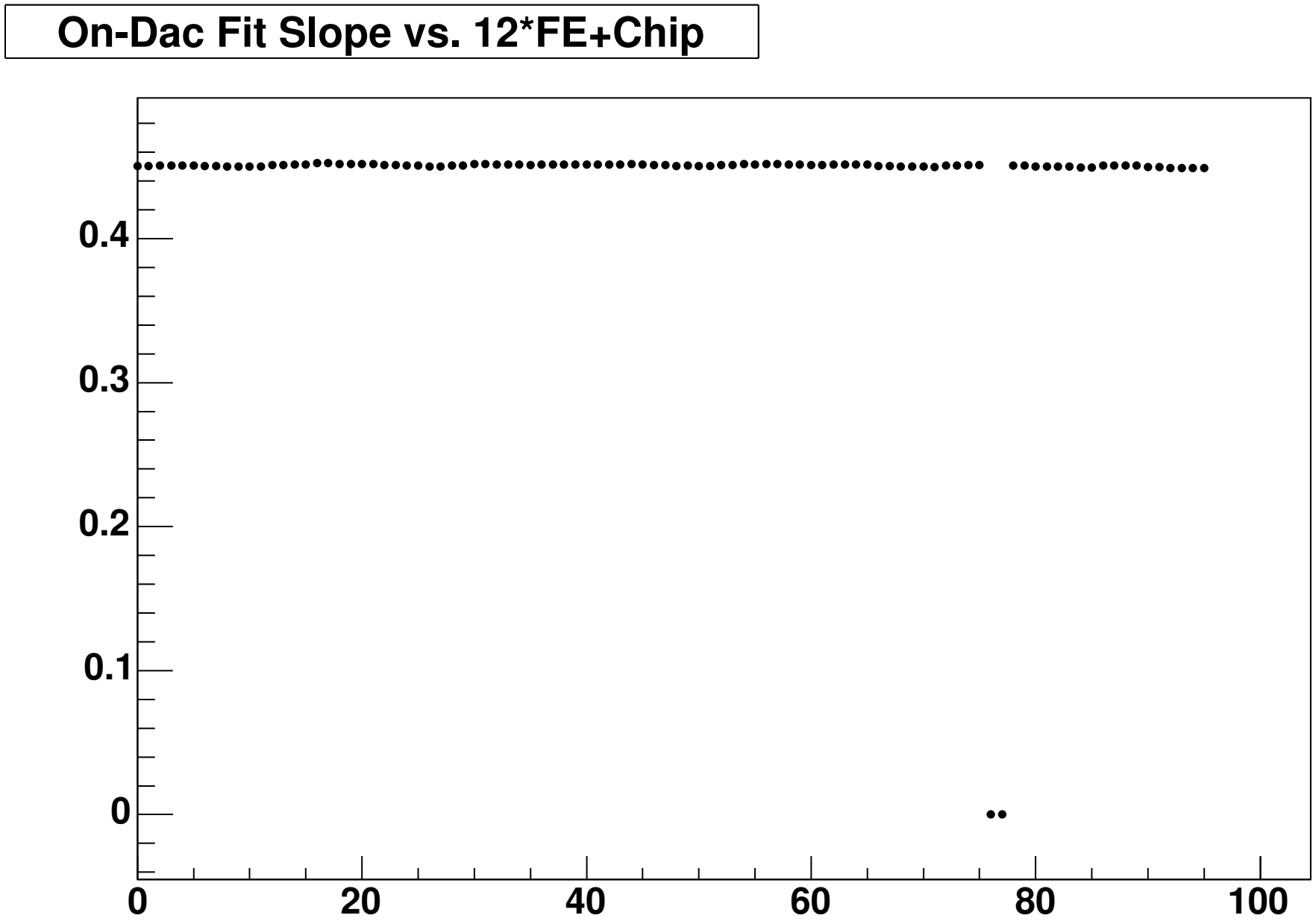

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 2.539e+04 / 18
p0 16.77 ± 0.007246
p1 0.4489 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

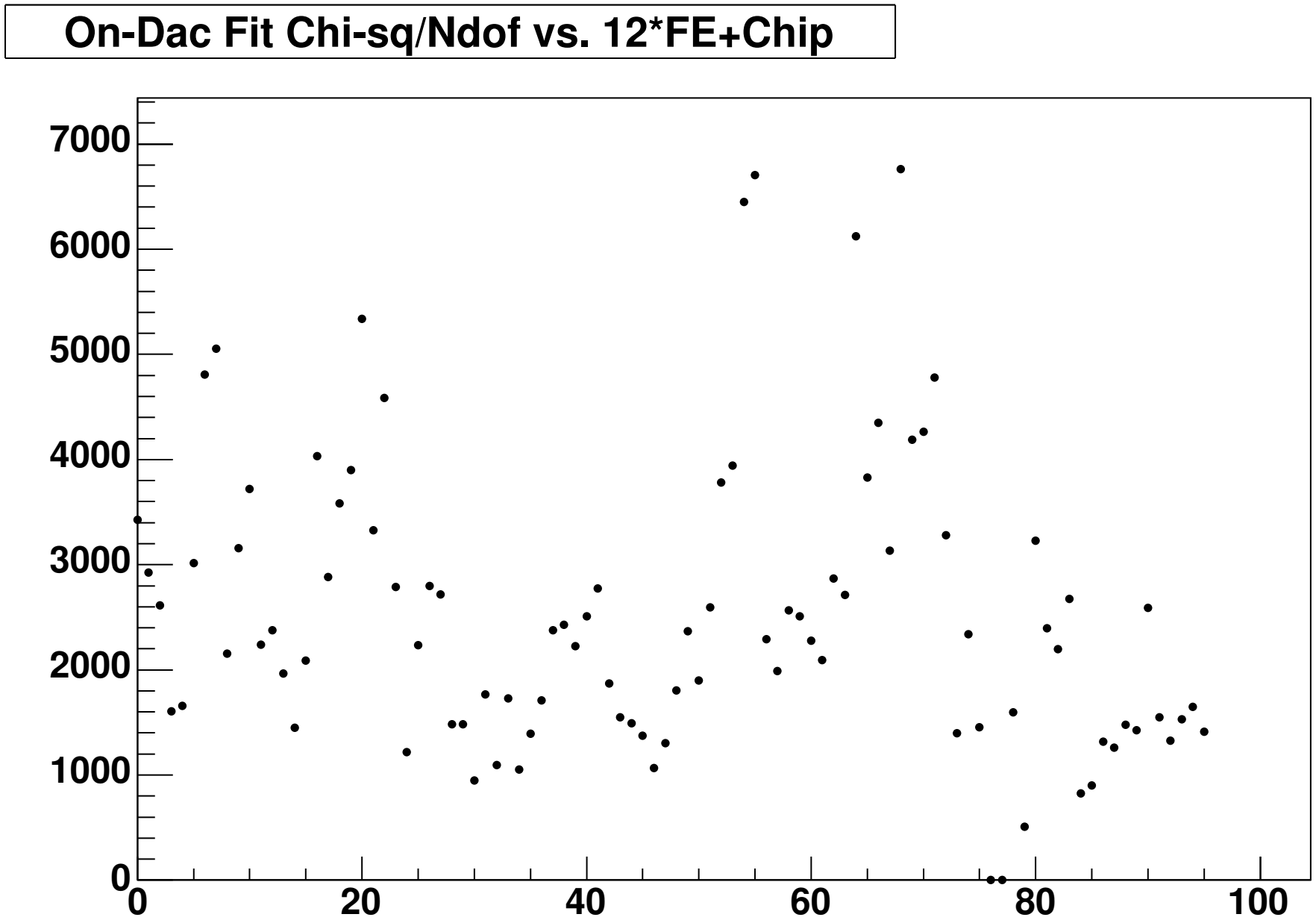

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 487 / 18
p0 1.348 ± 0.003915
p1 3.373e-05 ± 2.797e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

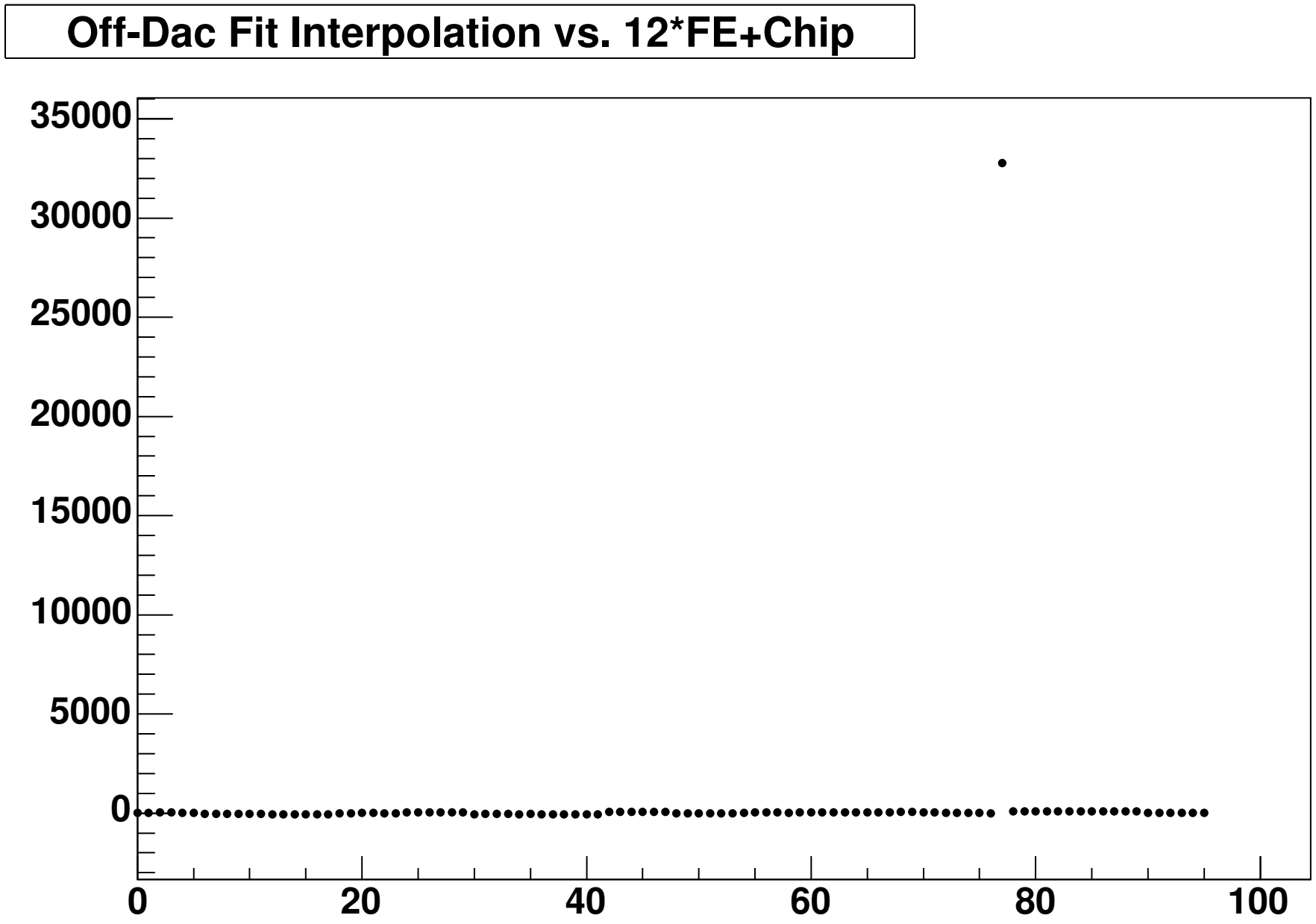

Disabled Dacs, Mean vs. 12*FE+Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100

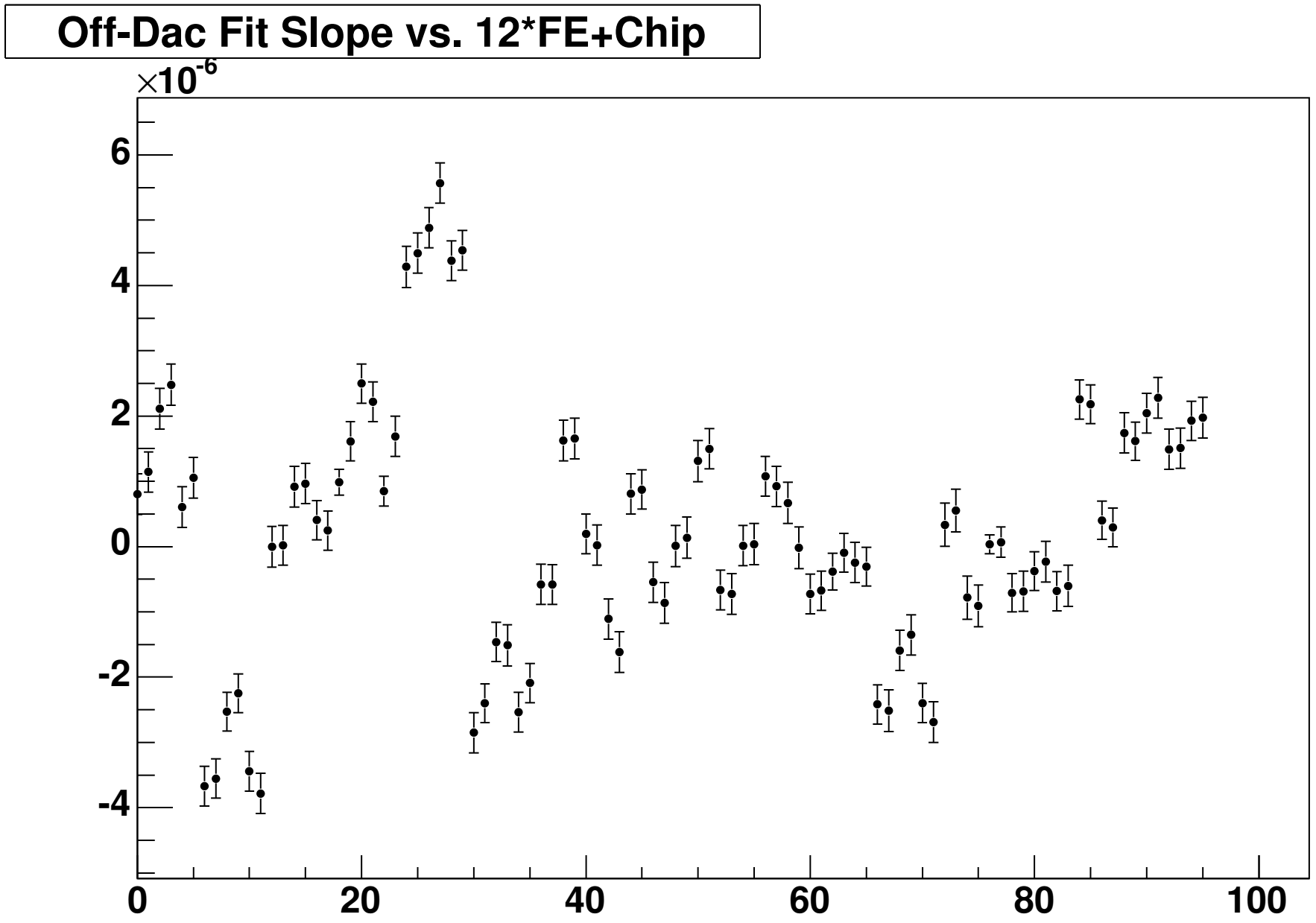

Disabled Dacs, Rms vs. 12*FE+Chip
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100

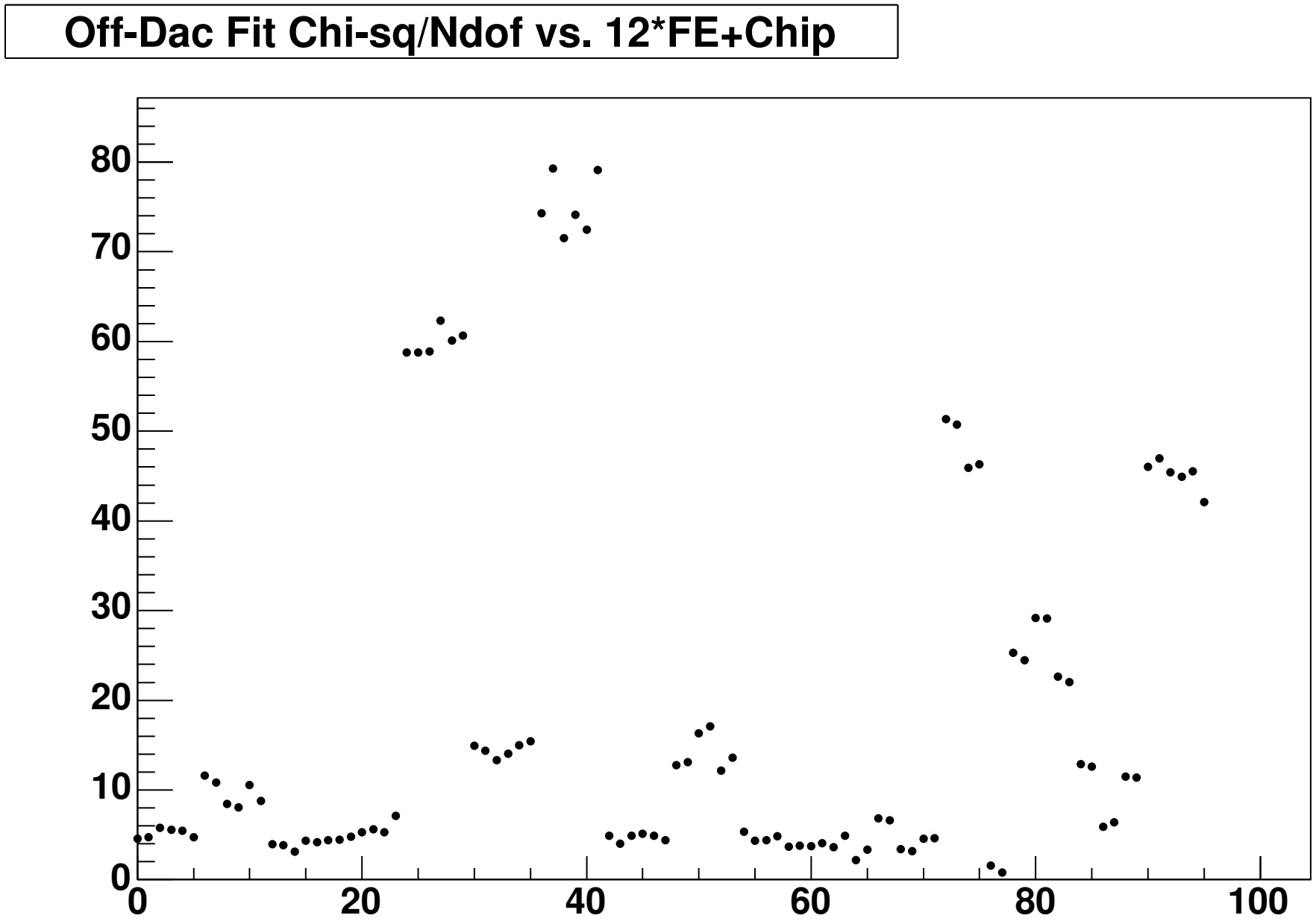

On-Dac Fit Interpolation vs. 12*FE+Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100

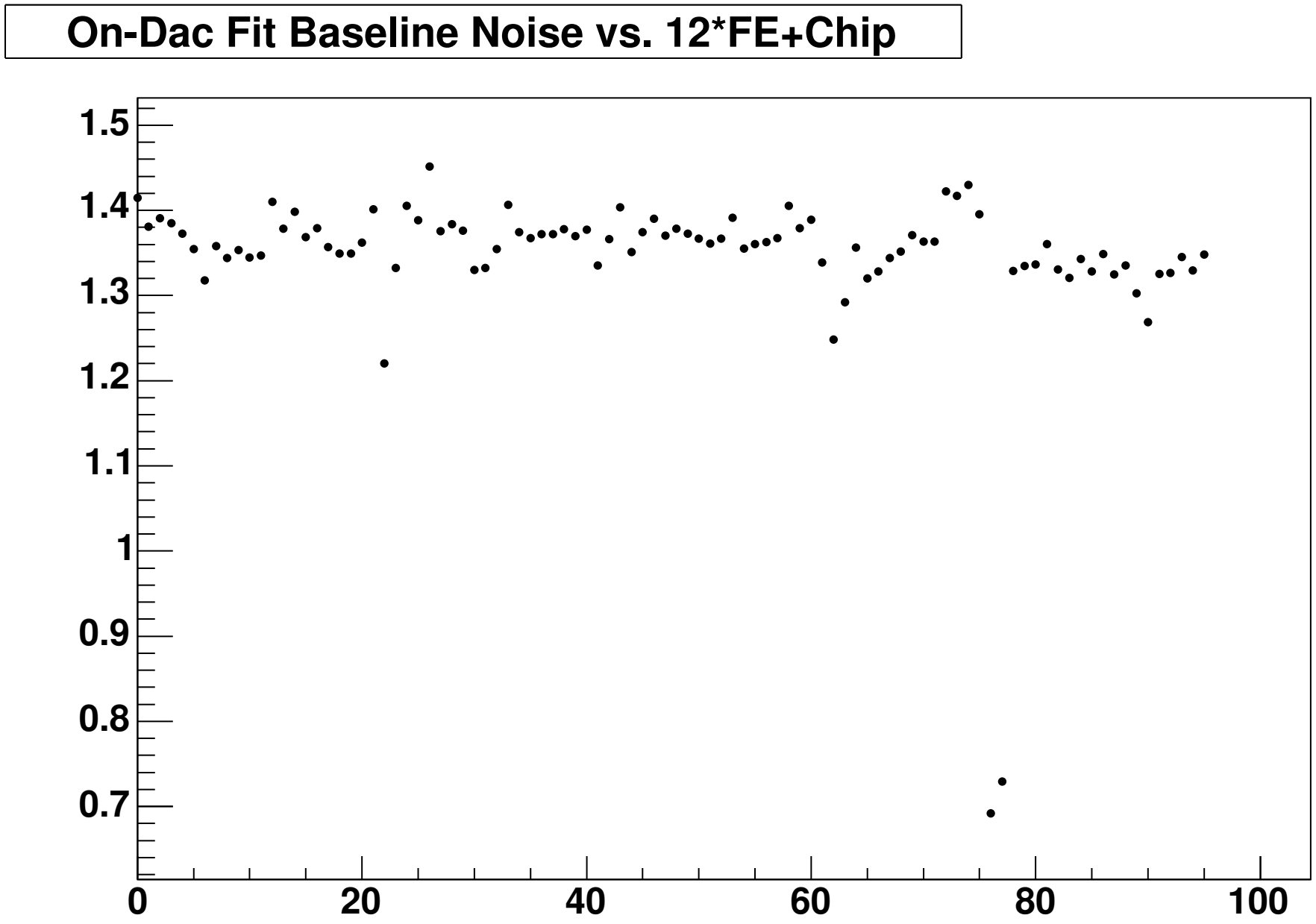

On-Dac Fit Slope vs. 12*FE+Chip
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

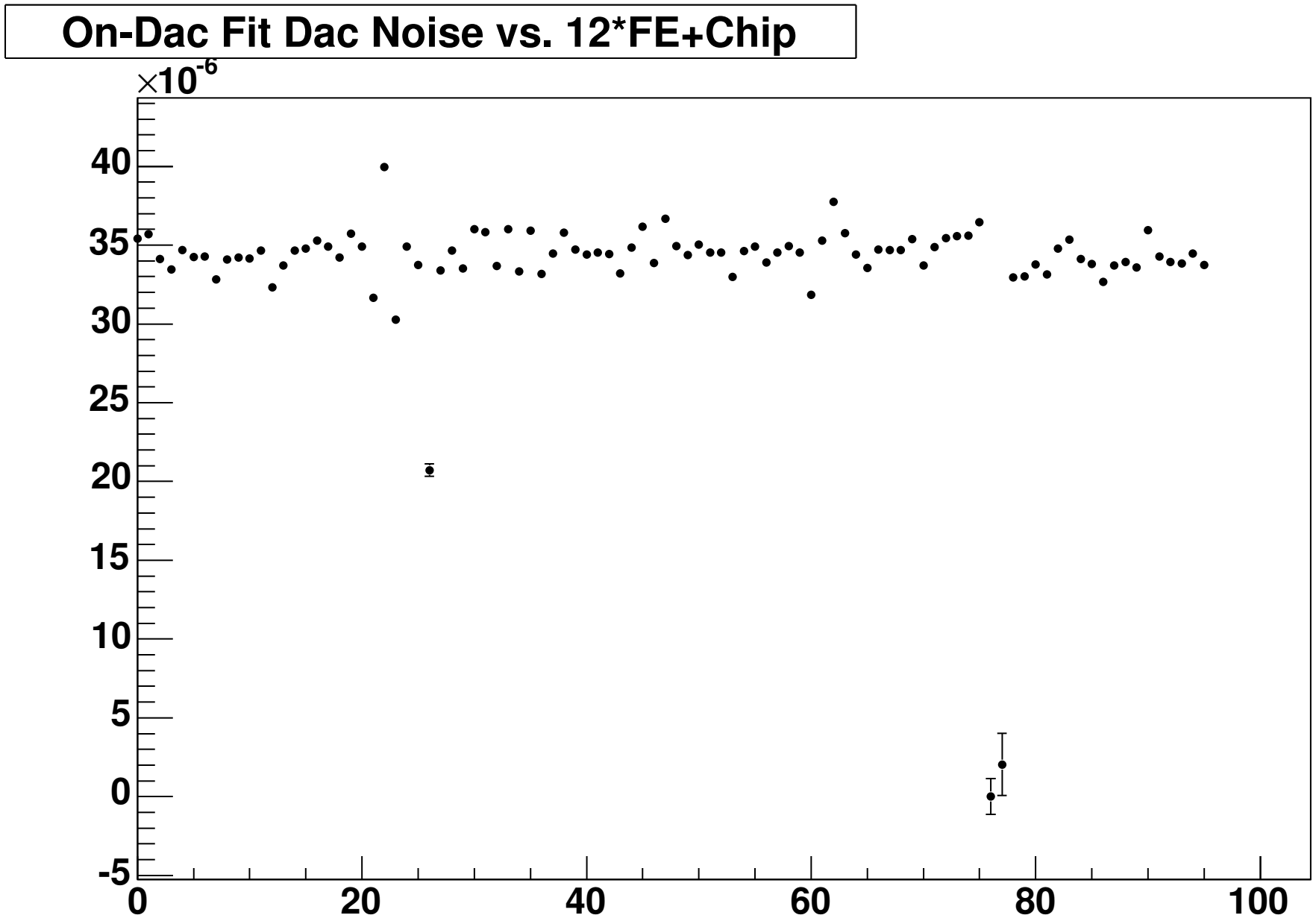

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

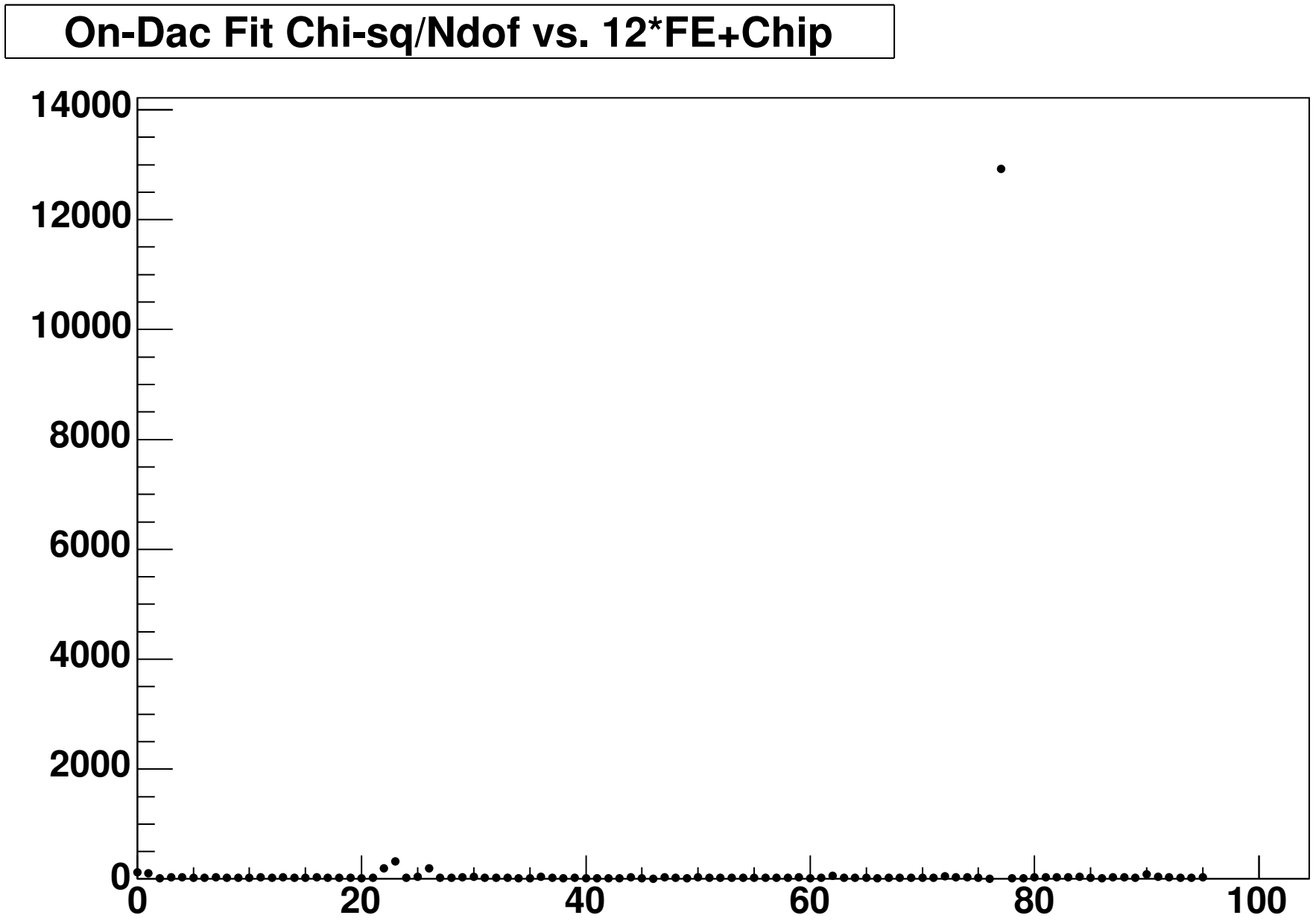

Off-Dac Fit Interpolation vs. 12*FE+Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100

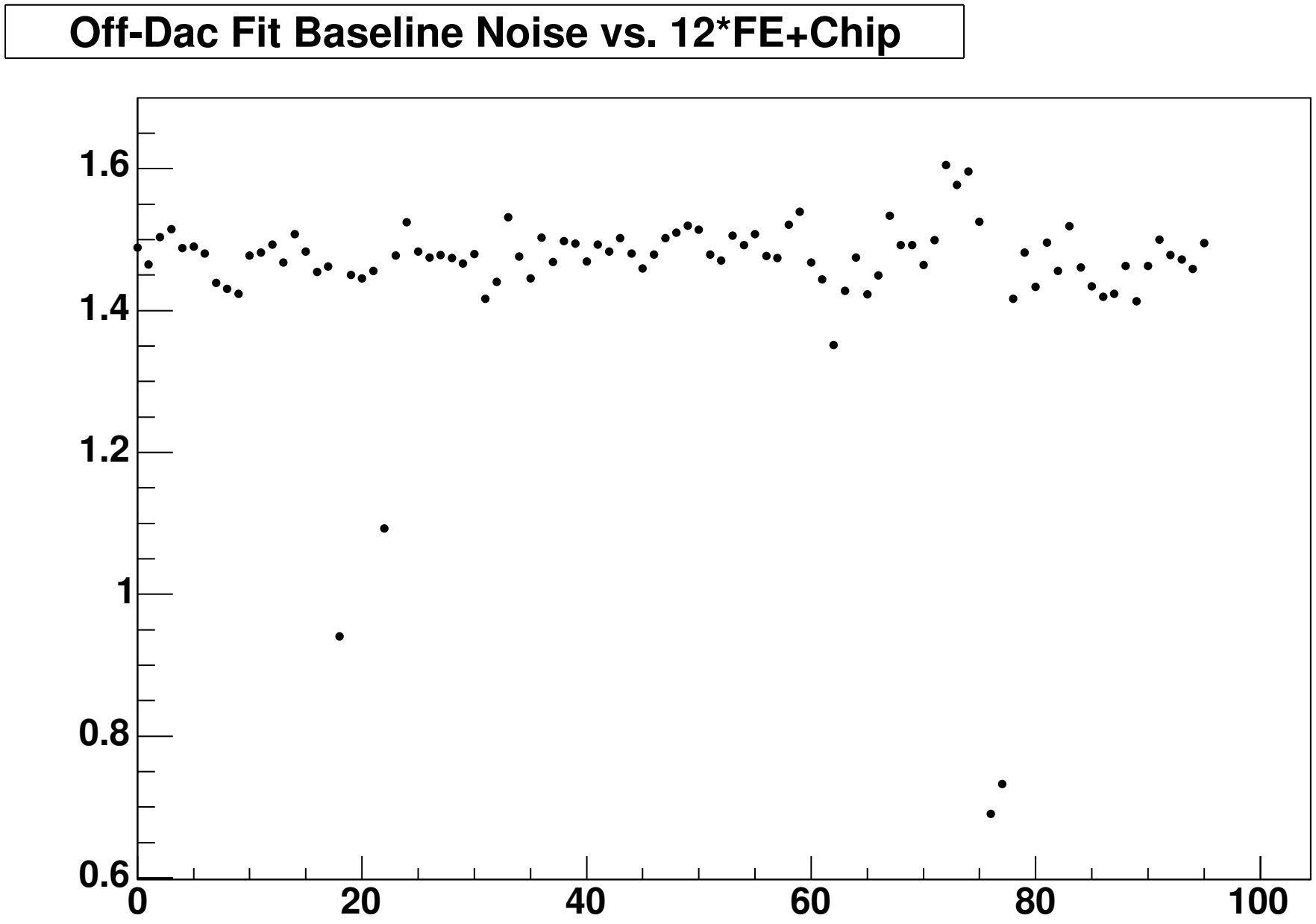

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
6
4
2
0
-2
-4
0
20
40
60
80
100

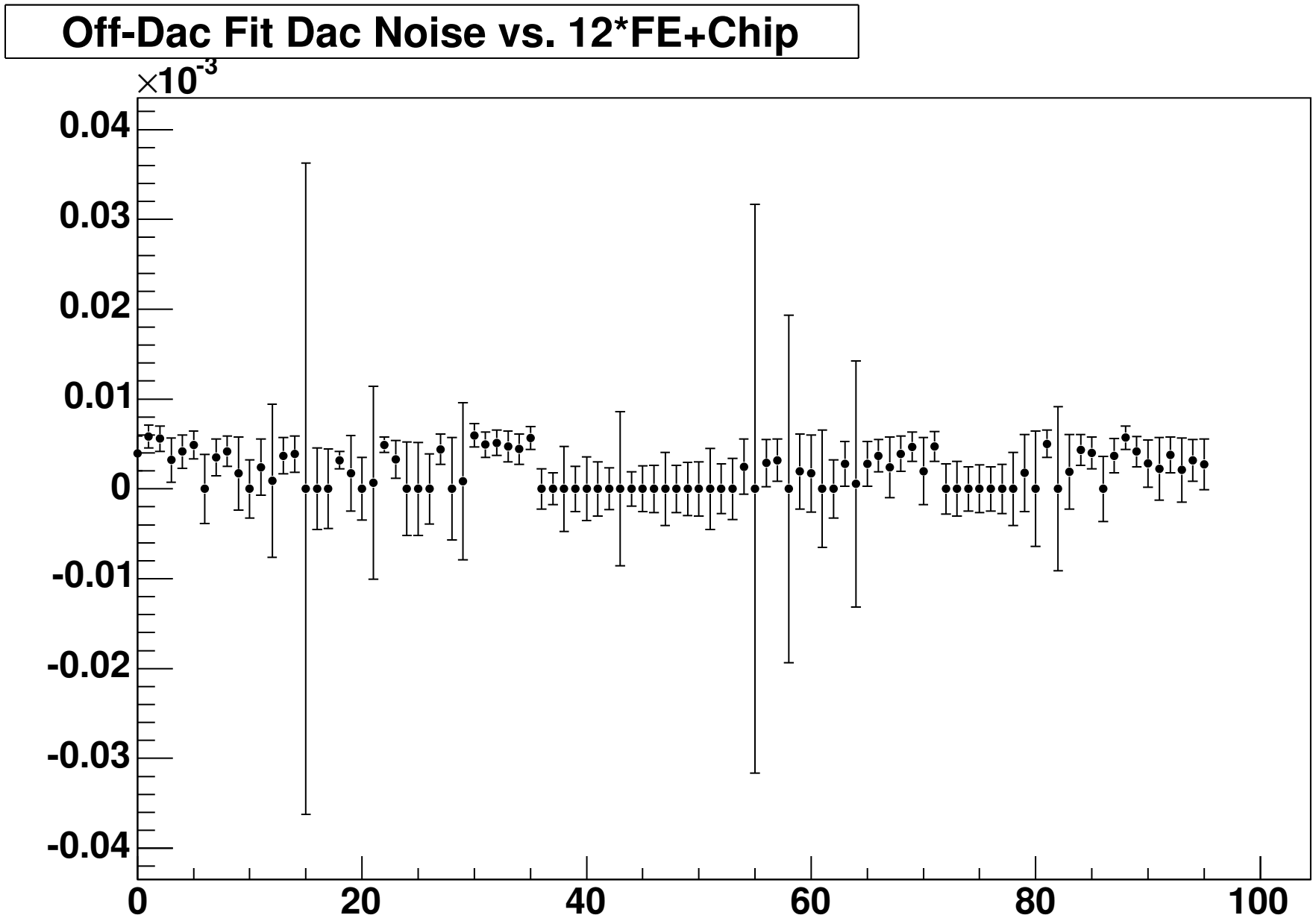

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
10
20
30
40
50
60
70
80
0
20
40
60
80
100

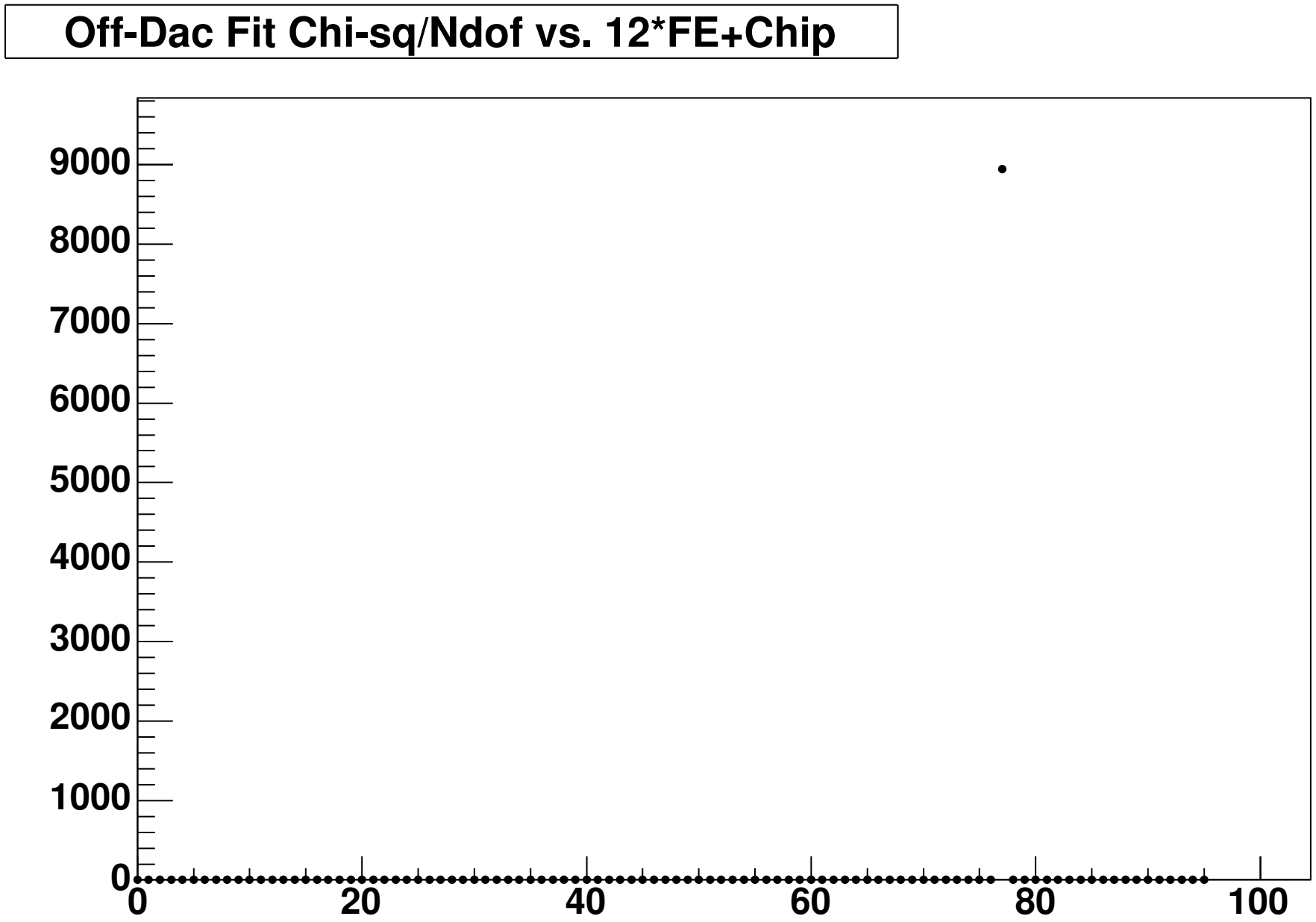

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0
20
40
60
80
100

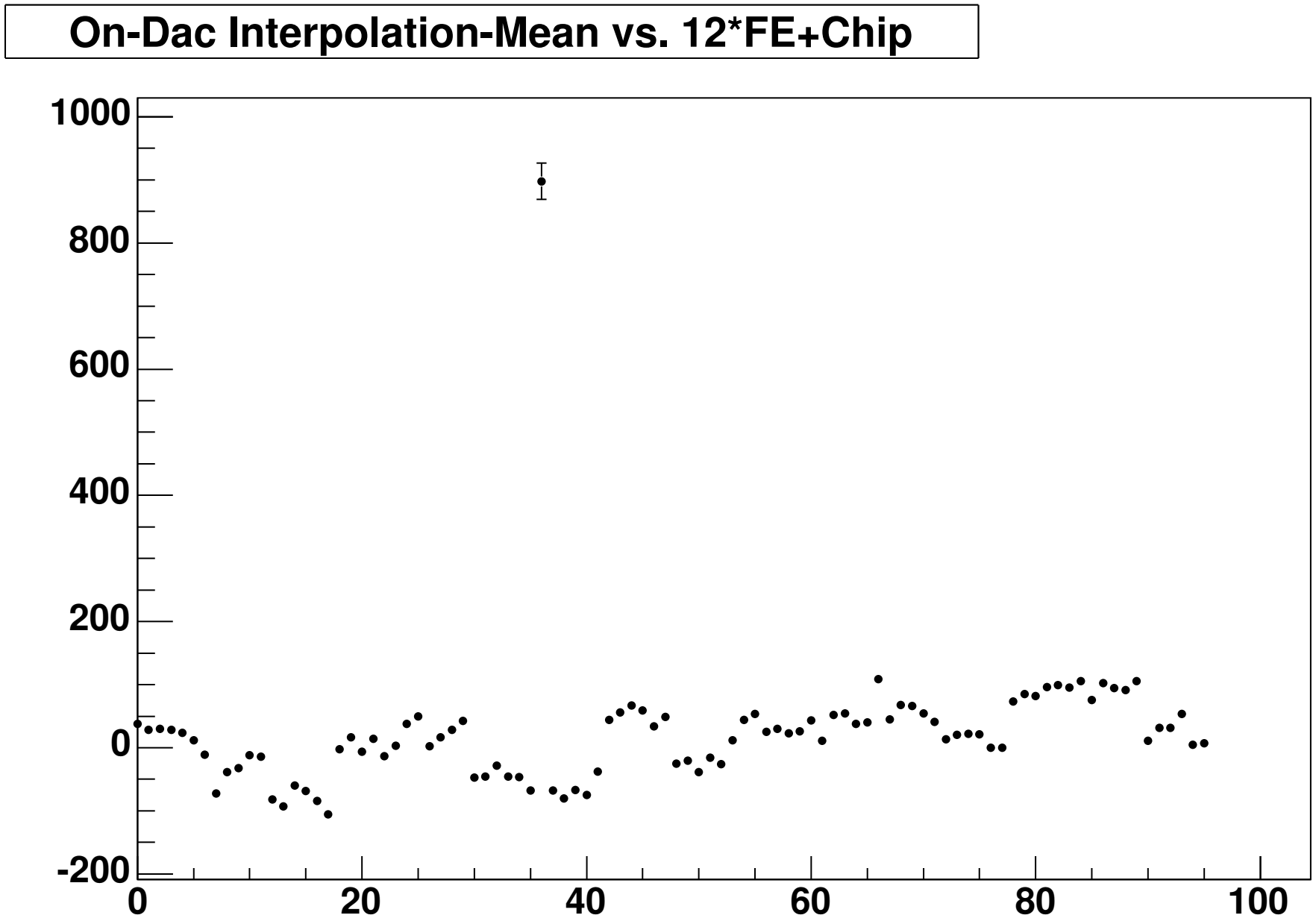

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
35
30
25
20
15
10
5
0
-5
0
20
40
60
80
100

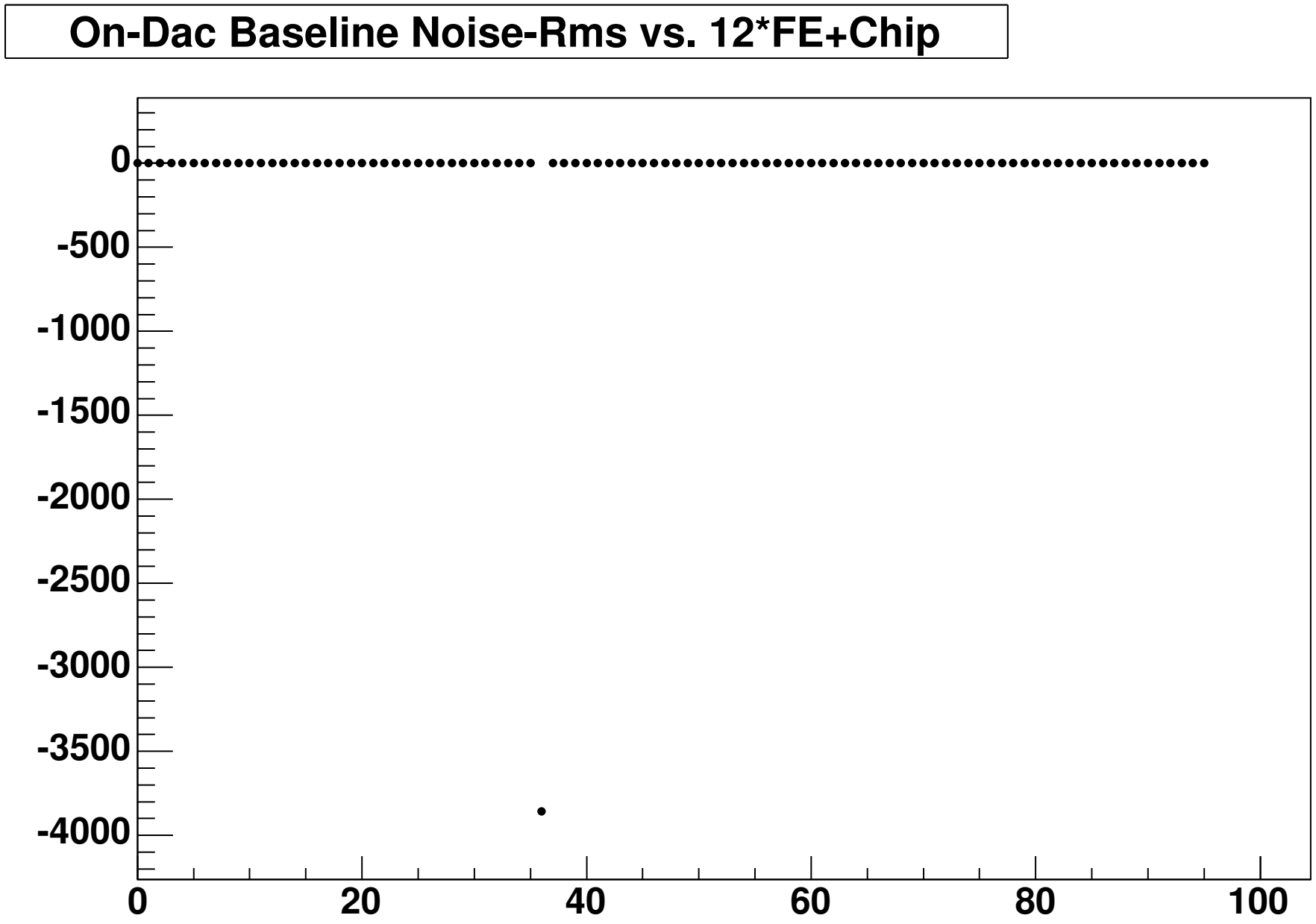

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

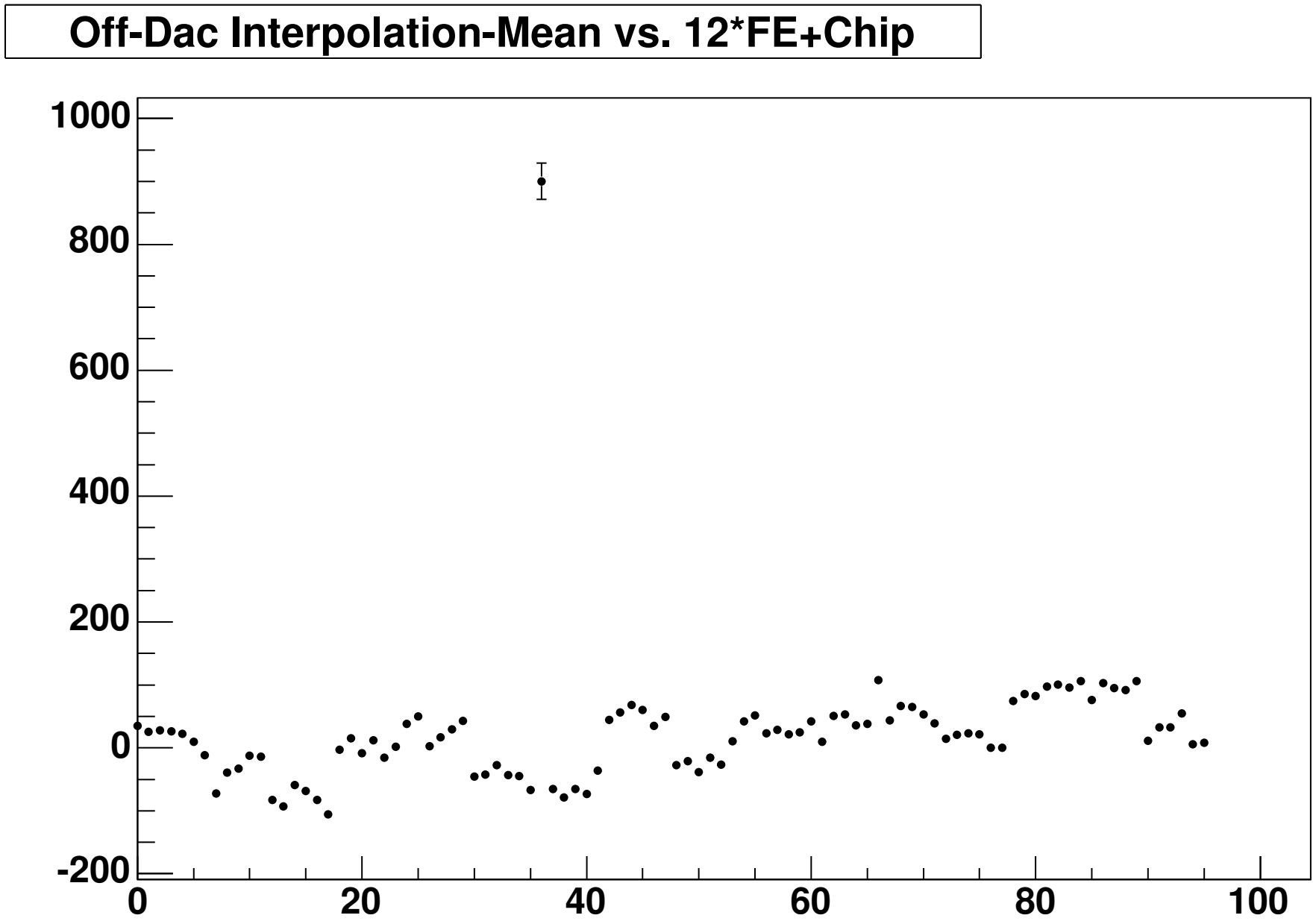

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0
20
40
60
80
100

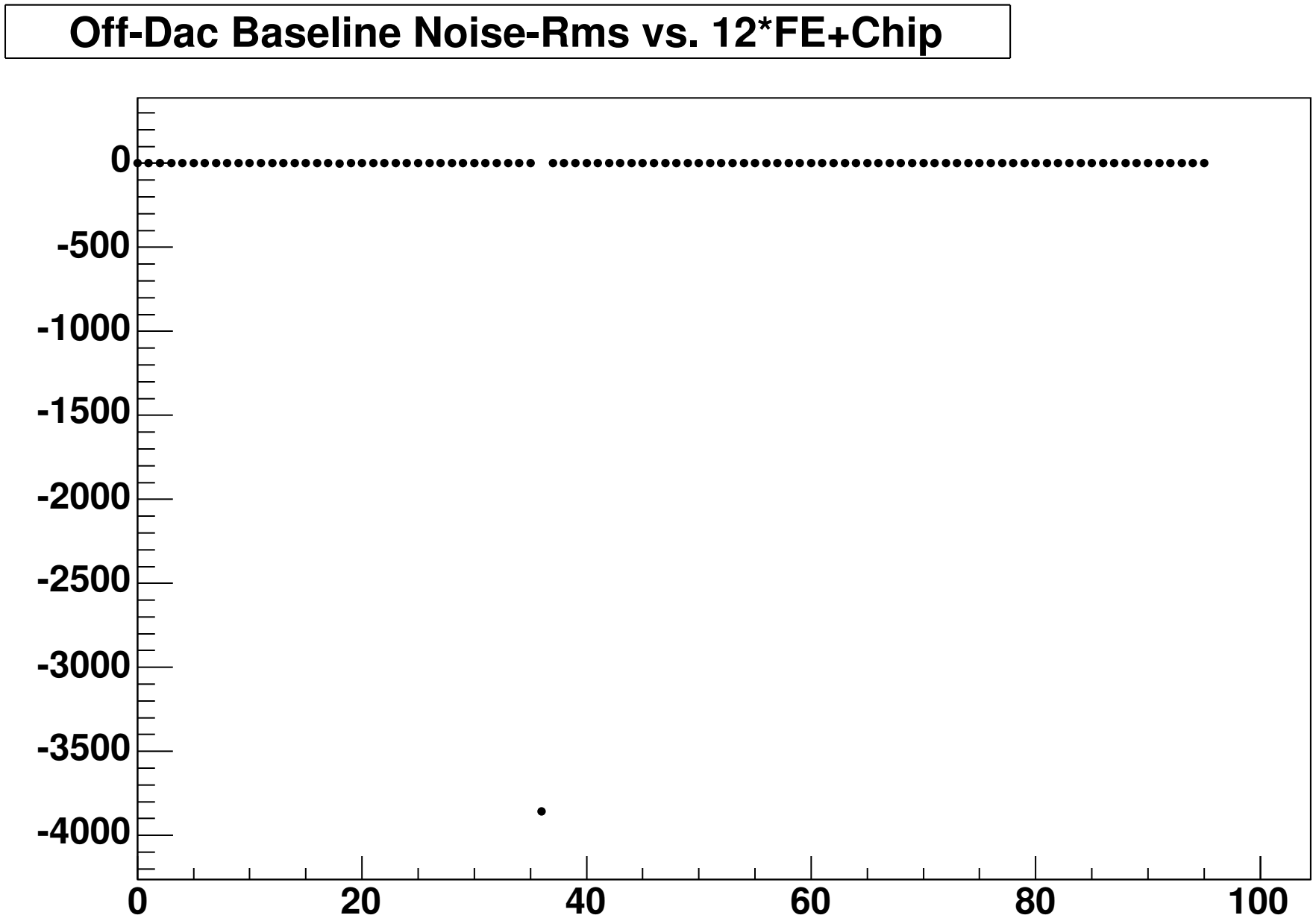

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
1000
800
600
400
200
0
-200
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-500
-1000
-1500
-2000
-2500
-3000
-3500
-4000
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
1000
800
600
400
200
0
-200
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-500
-1000
-1500
-2000
-2500
-3000
-3500
-4000
0
20
40
60
80
100