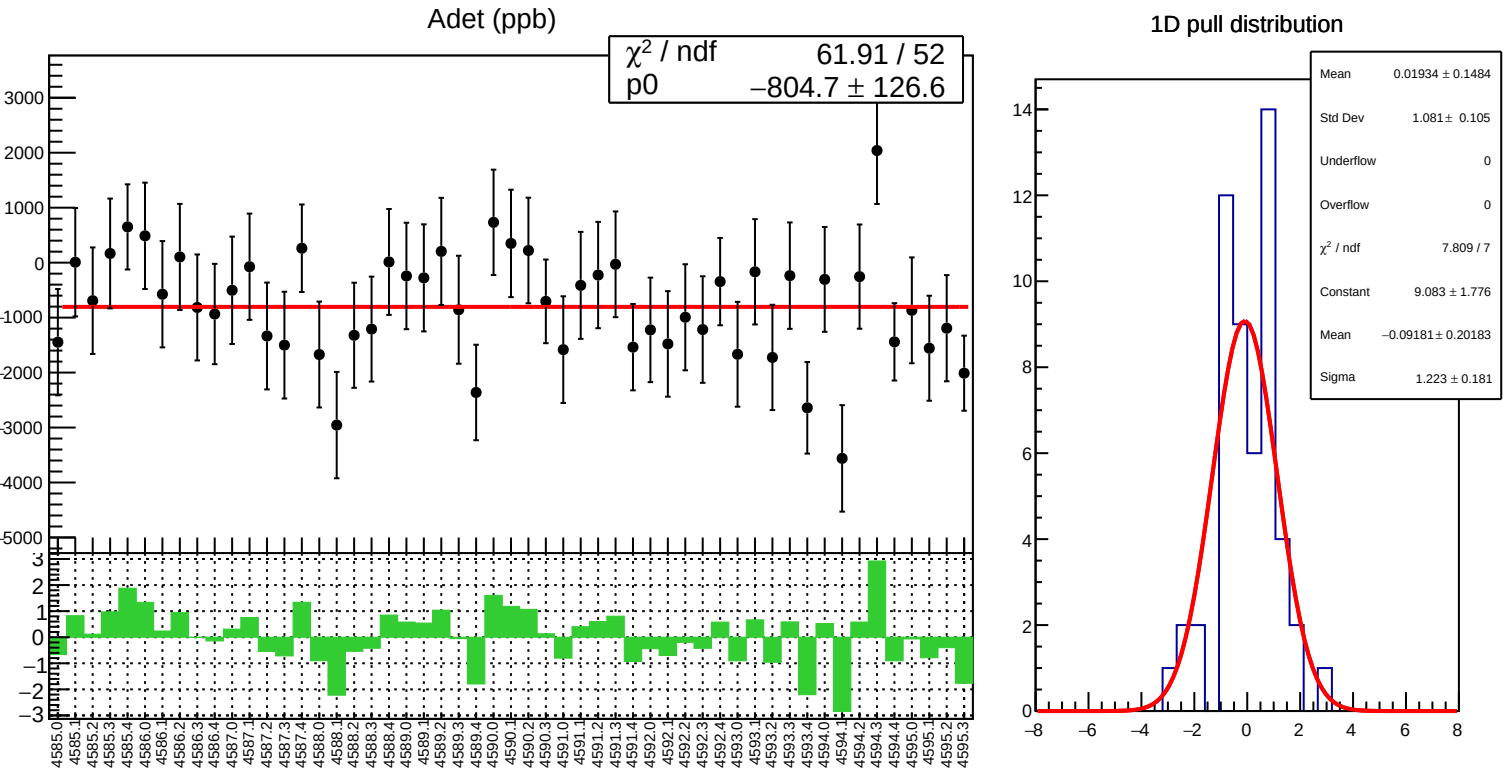
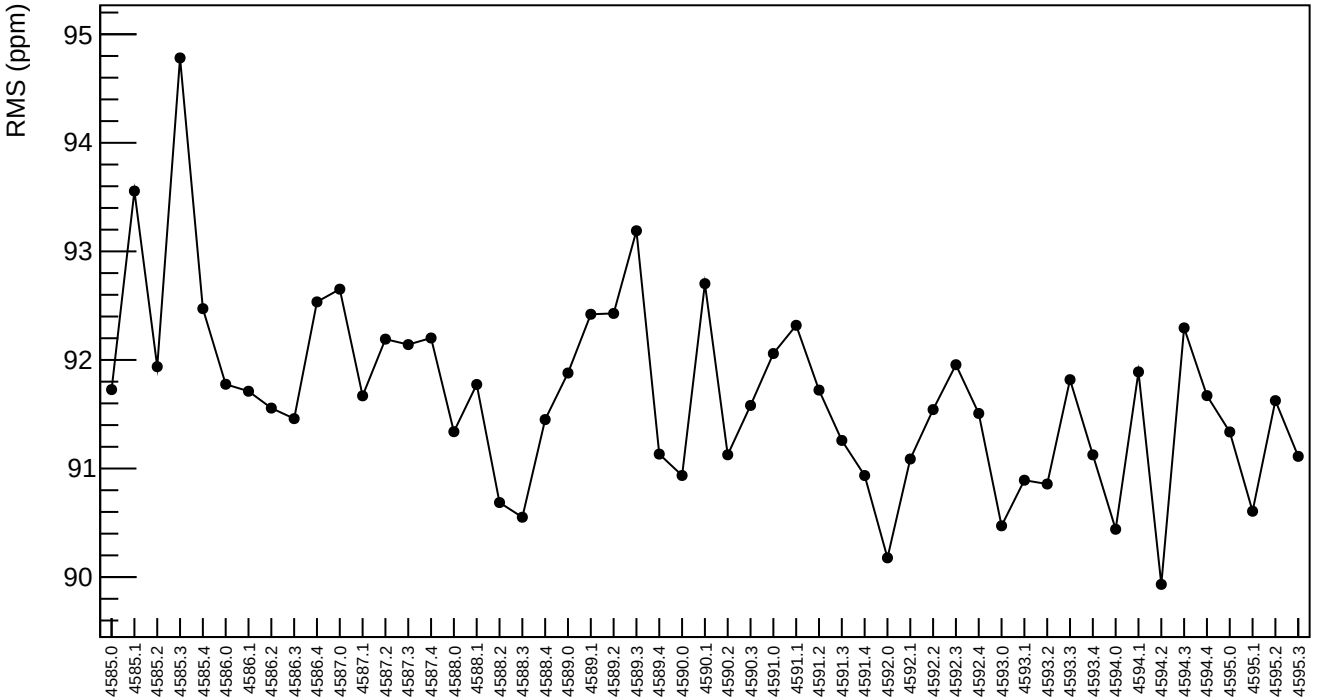
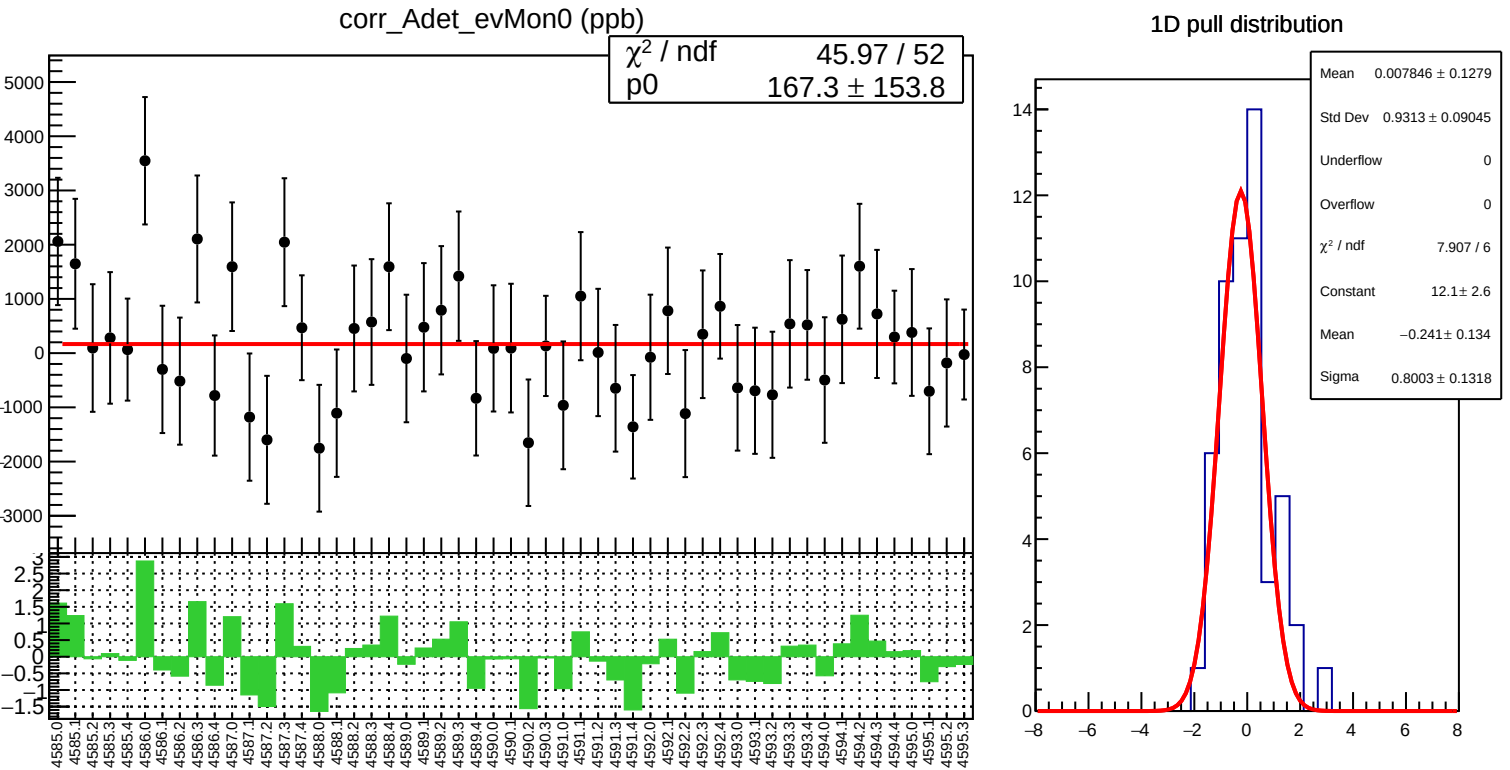
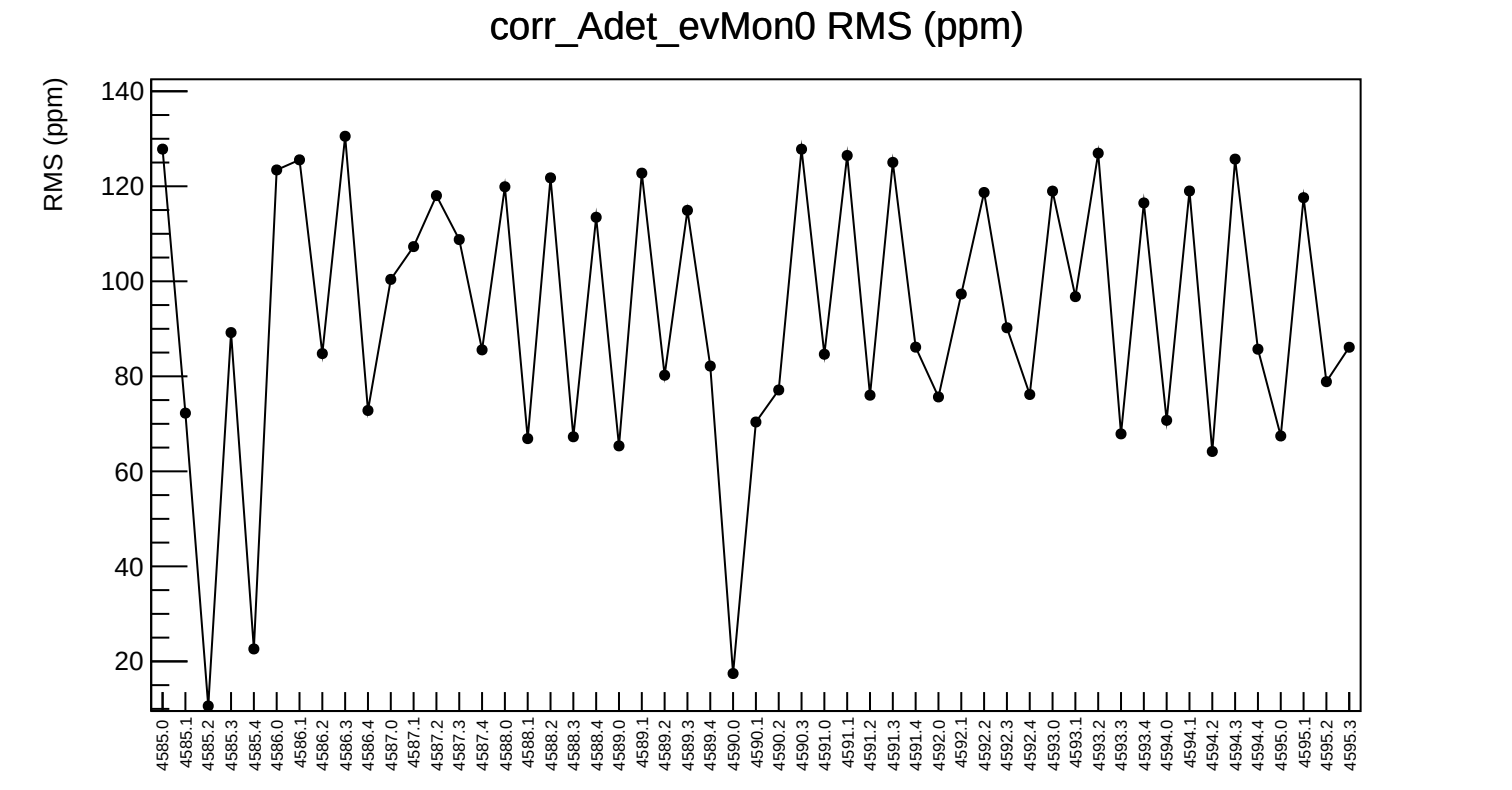
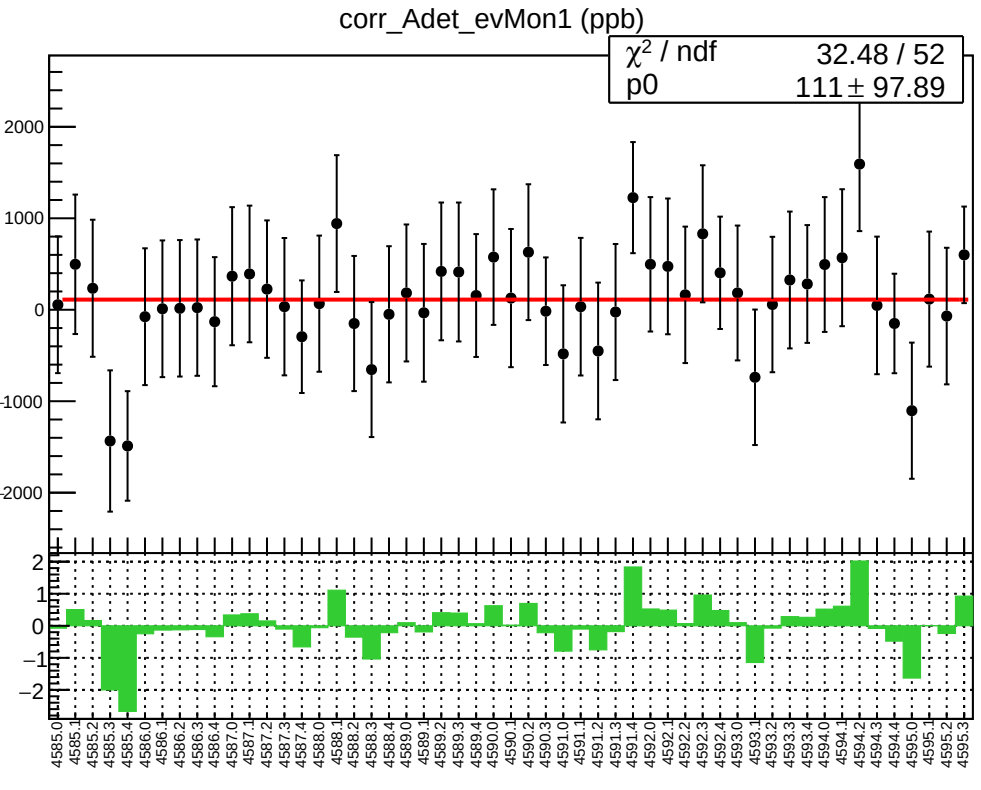

Adet (ppb)
χ² / ndf 61.91 / 52
p0 −804.7 ± 126.6
1D pull distribution
Mean 0.01934 ± 0.1484
Std Dev 1.081 ± 0.105
Underflow 0
Overflow 0
χ² / ndf 7.809 / 7
Constant 9.083 ± 1.776
Mean −0.09181 ± 0.20183
Sigma 1.223 ± 0.181

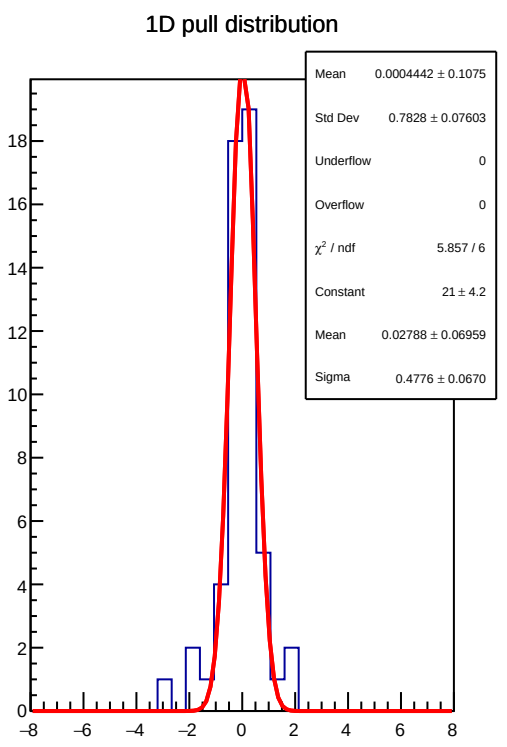
Adet RMS (ppm)

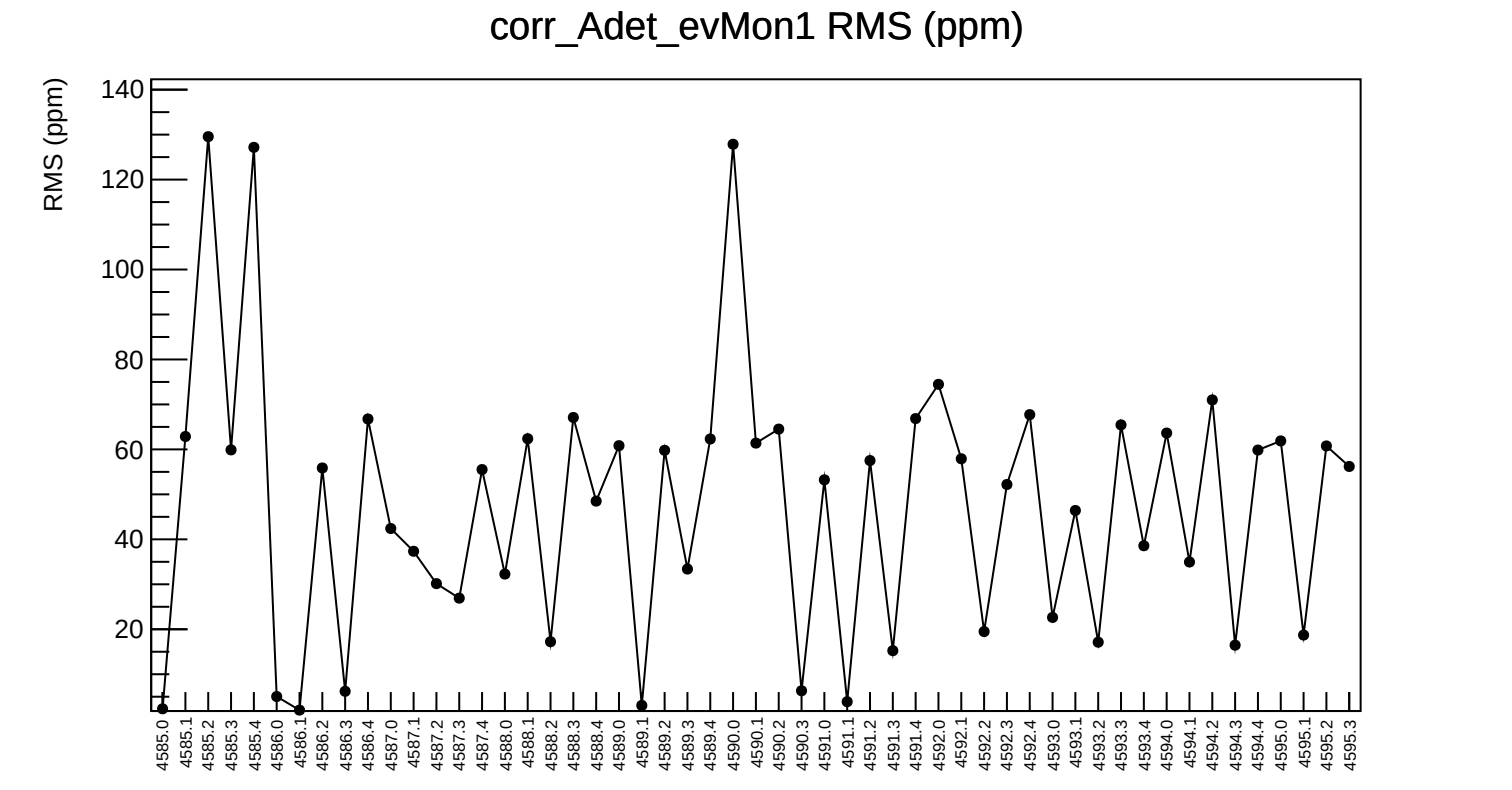

RMS (ppm)
95
94
93
92
91
90
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

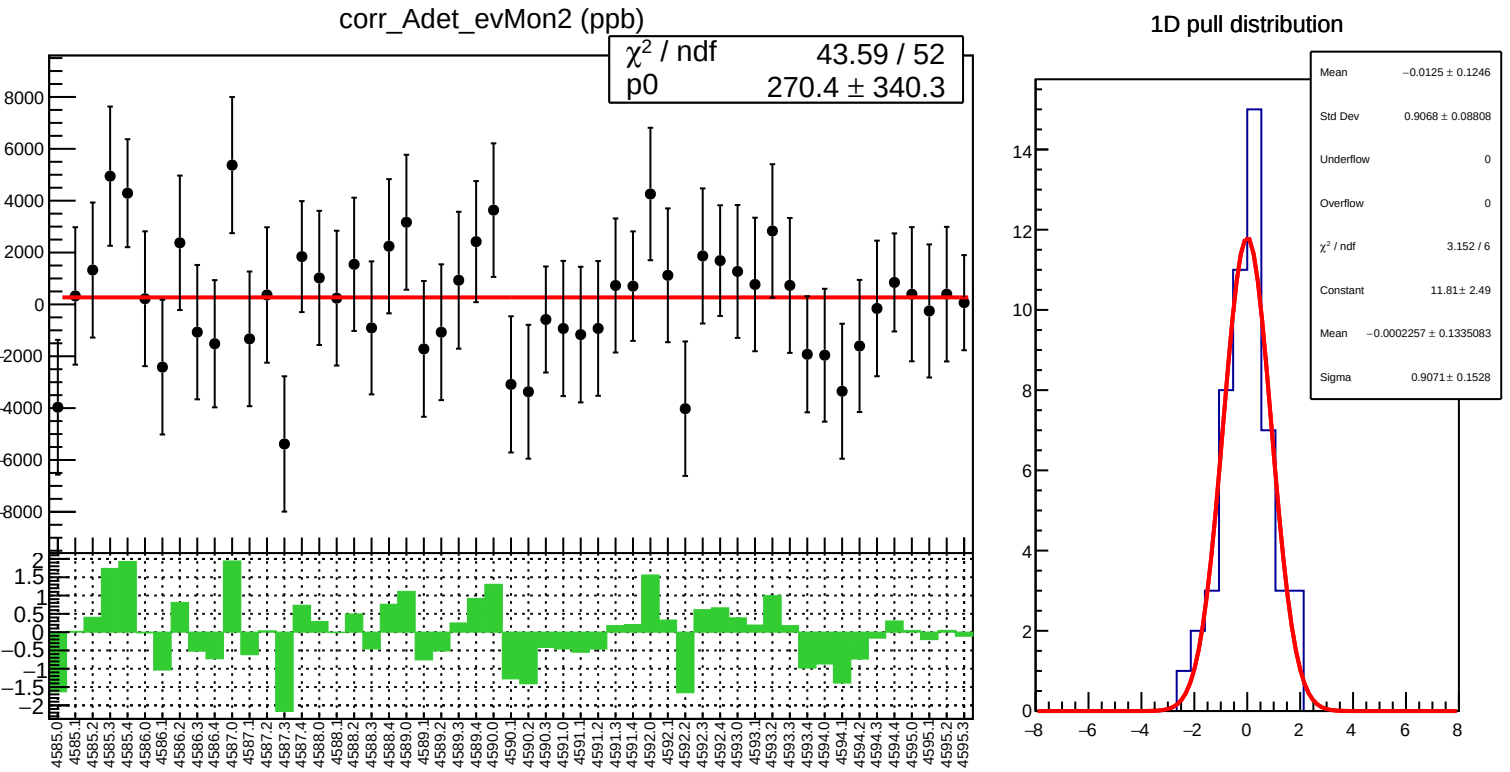

corr_Adet_evMon0 (ppb)
χ² / ndf 45.97 / 52
p0 167.3 ± 153.8
1D pull distribution
Mean 0.007846 ± 0.1279
Std Dev 0.9313 ± 0.09045
Underflow 0
Overflow 0
χ² / ndf 7.907 / 6
Constant 12.1± 2.6
Mean −0.241± 0.134
Sigma 0.8003 ± 0.1318

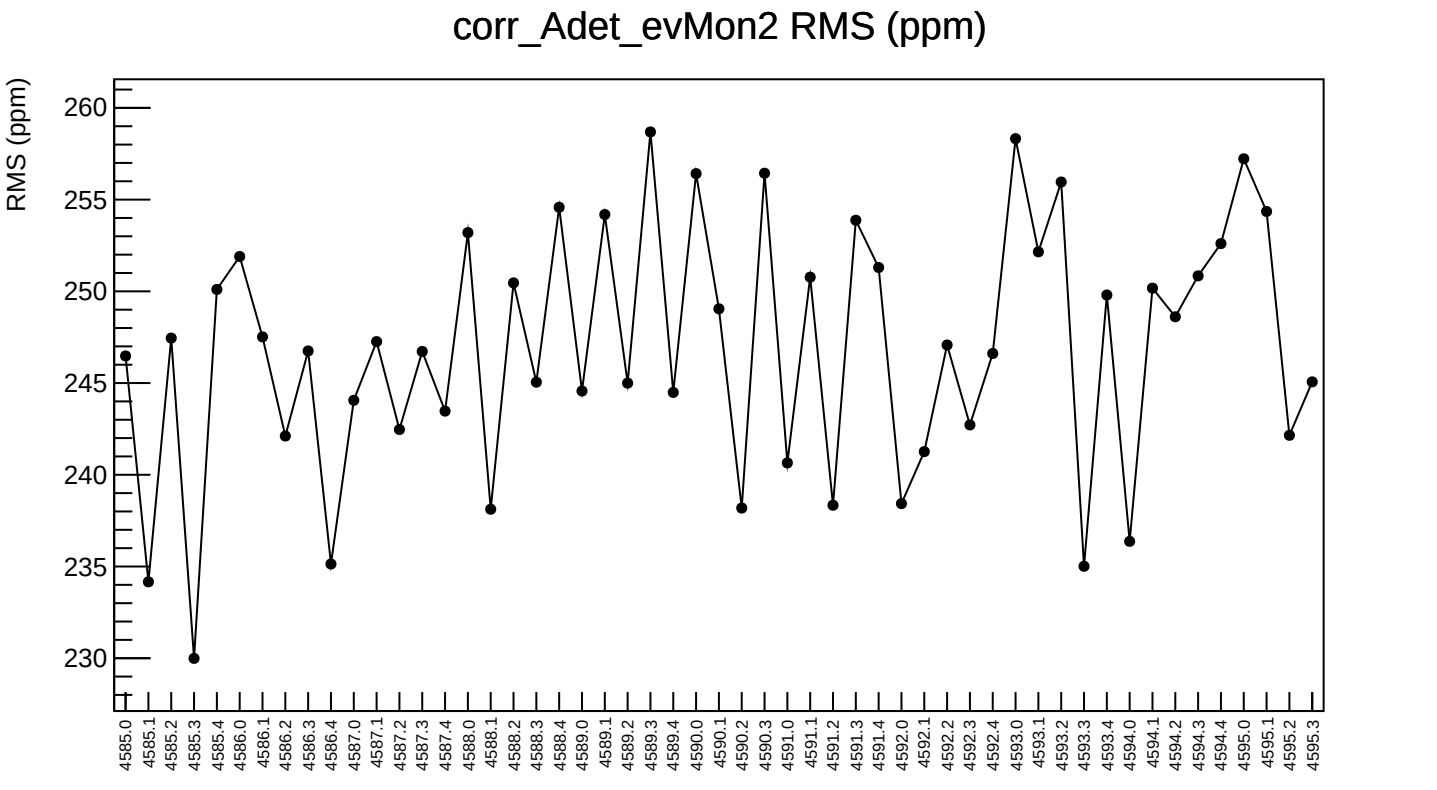

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
140
120
100
80
60
40
20
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

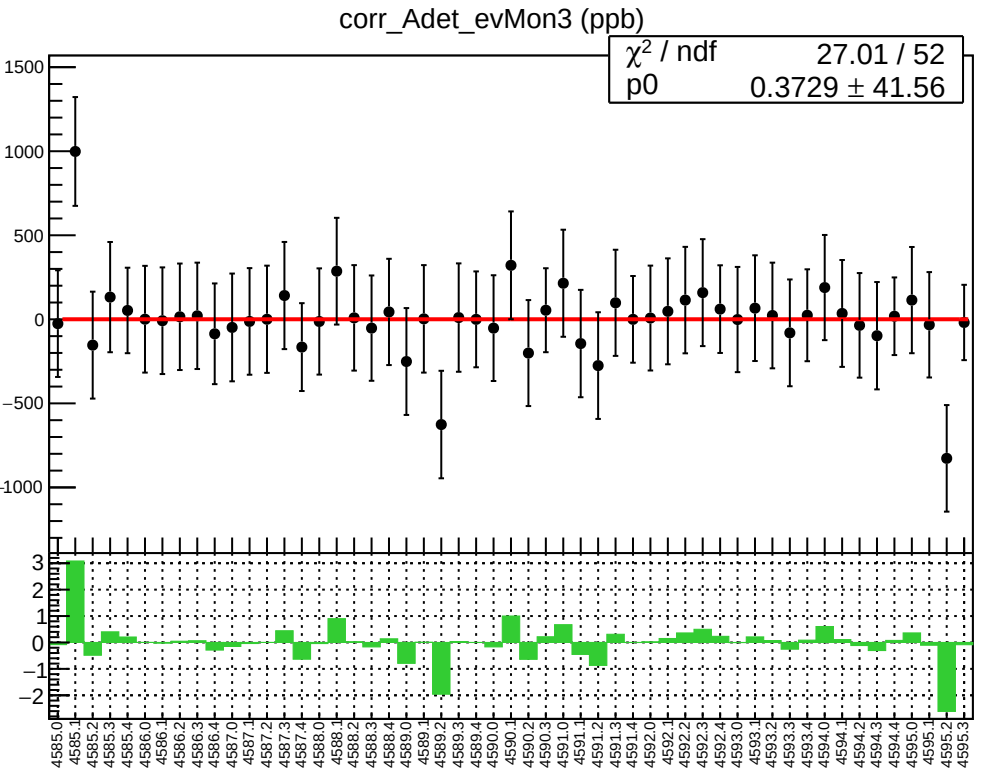

corr_Adet_evMon1 (ppb)
χ² / ndf 32.48 / 52
p0 111 ± 97.89
2000
1000
0
-1000
-2000
2
1
0
−1
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

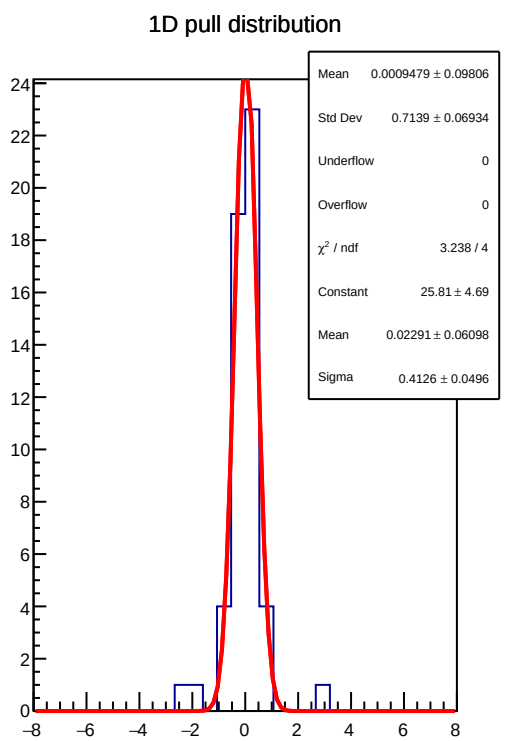

1D pull distribution
Mean 0.0004442 ± 0.1075
Std Dev 0.7828 ± 0.07603
Underflow 0
Overflow 0
χ² / ndf 5.857 / 6
Constant 21 ± 4.2
Mean 0.02788 ± 0.06959
Sigma 0.4776 ± 0.0670
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

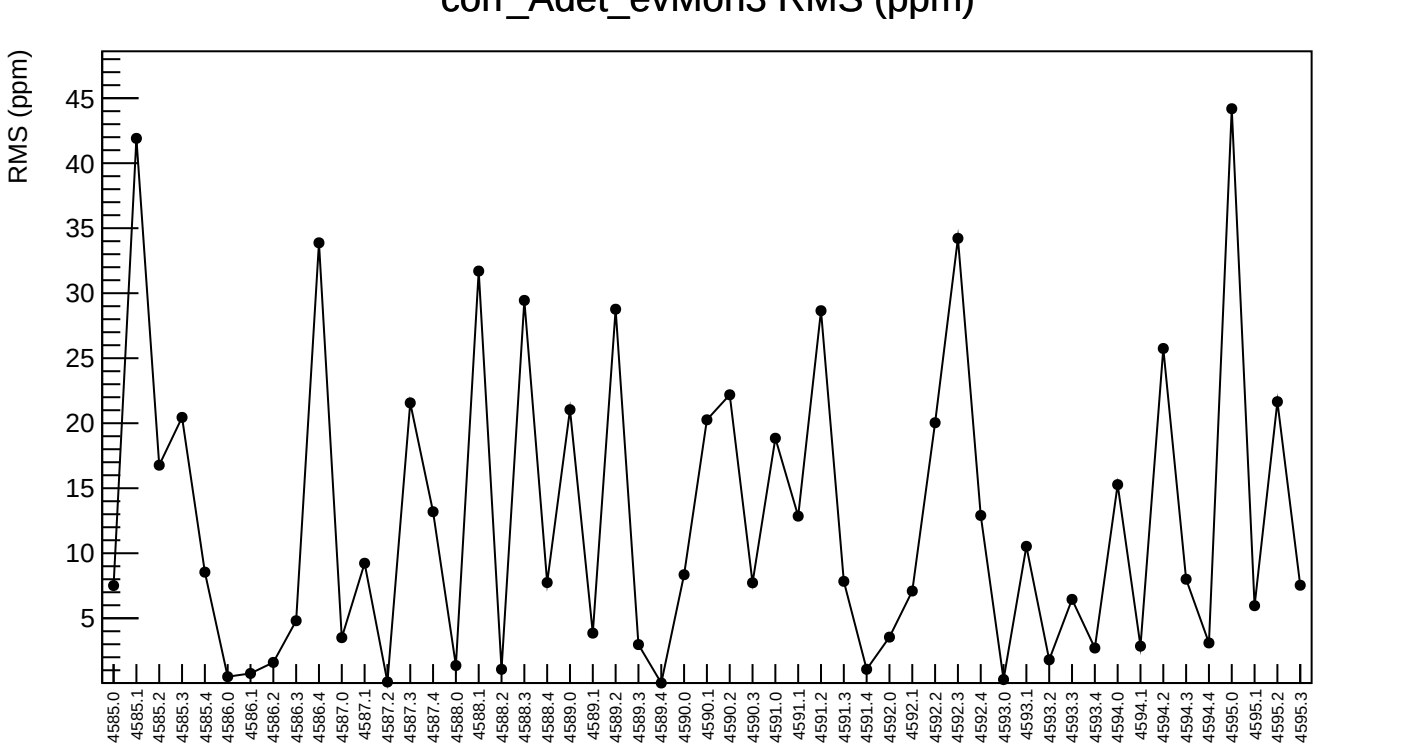

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
140
120
100
80
60
40
20
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

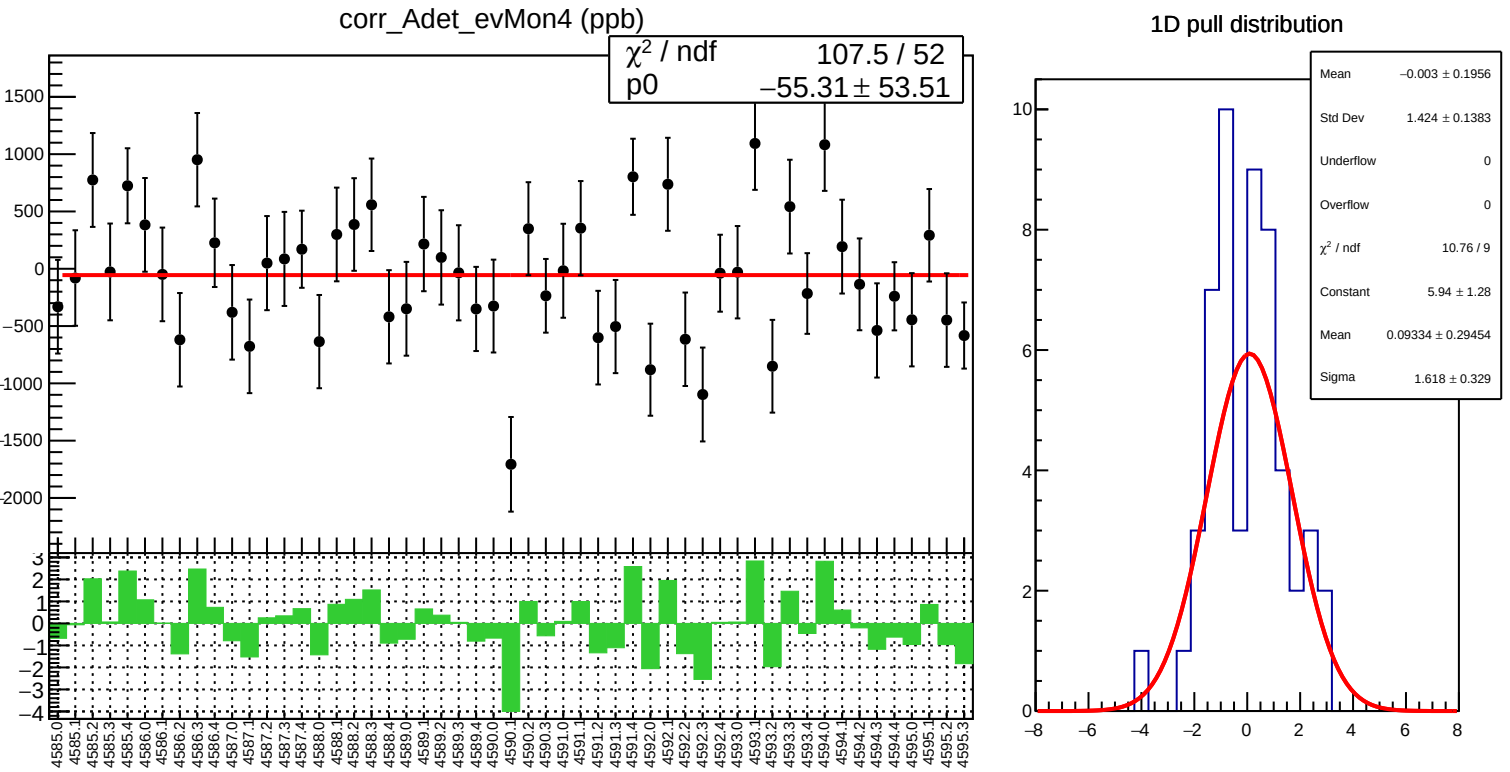

corr_Adet_evMon2 (ppb)
χ² / ndf 43.59 / 52
p0 270.4 ± 340.3
1D pull distribution
Mean −0.0125 ± 0.1246
Std Dev 0.9068 ± 0.08808
Underflow 0
Overflow 0
χ² / ndf 3.152 / 6
Constant 11.81± 2.49
Mean −0.0002257 ± 0.1335083
Sigma 0.9071± 0.1528

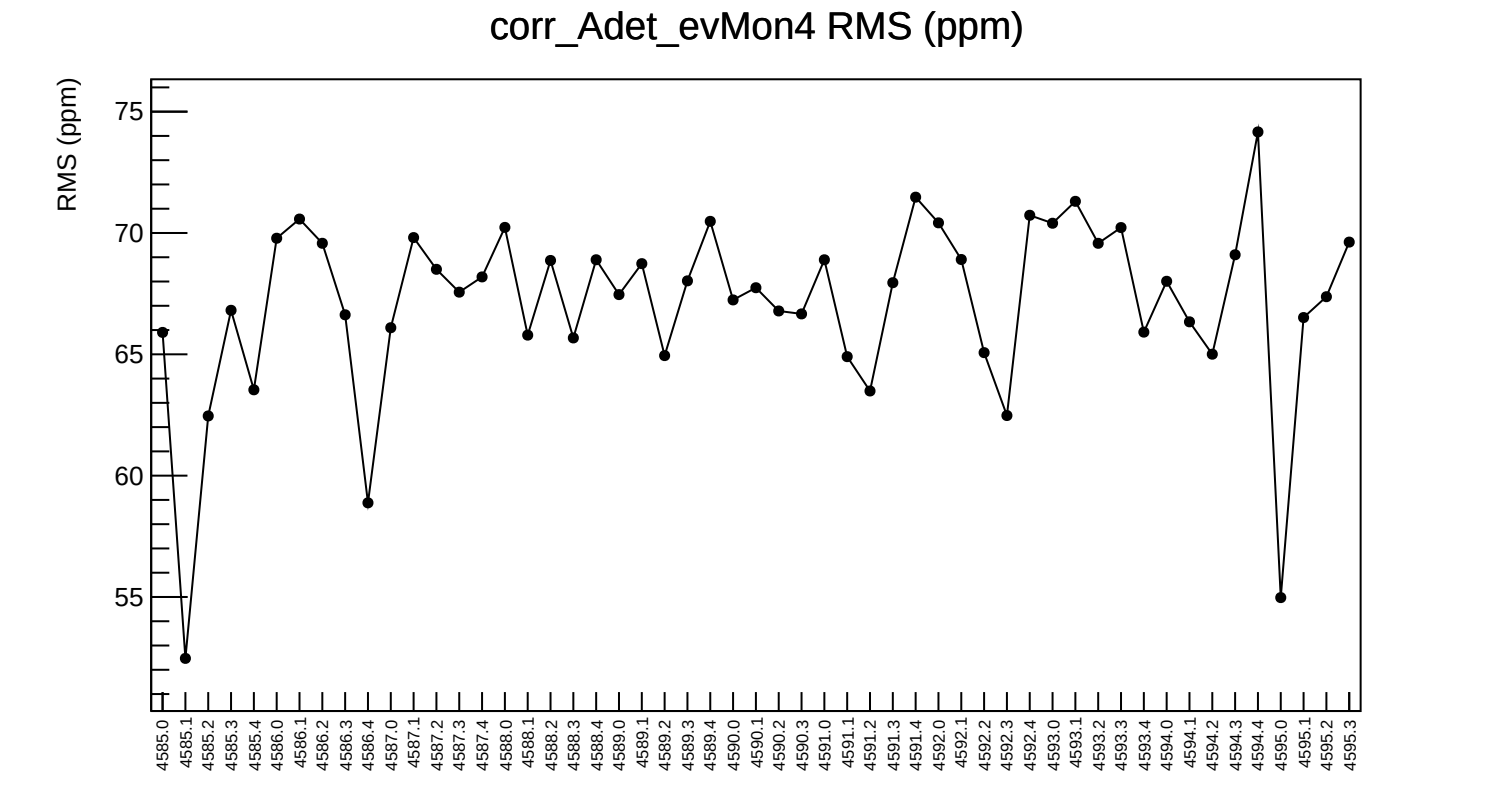

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
260
255
250
245
240
235
230
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

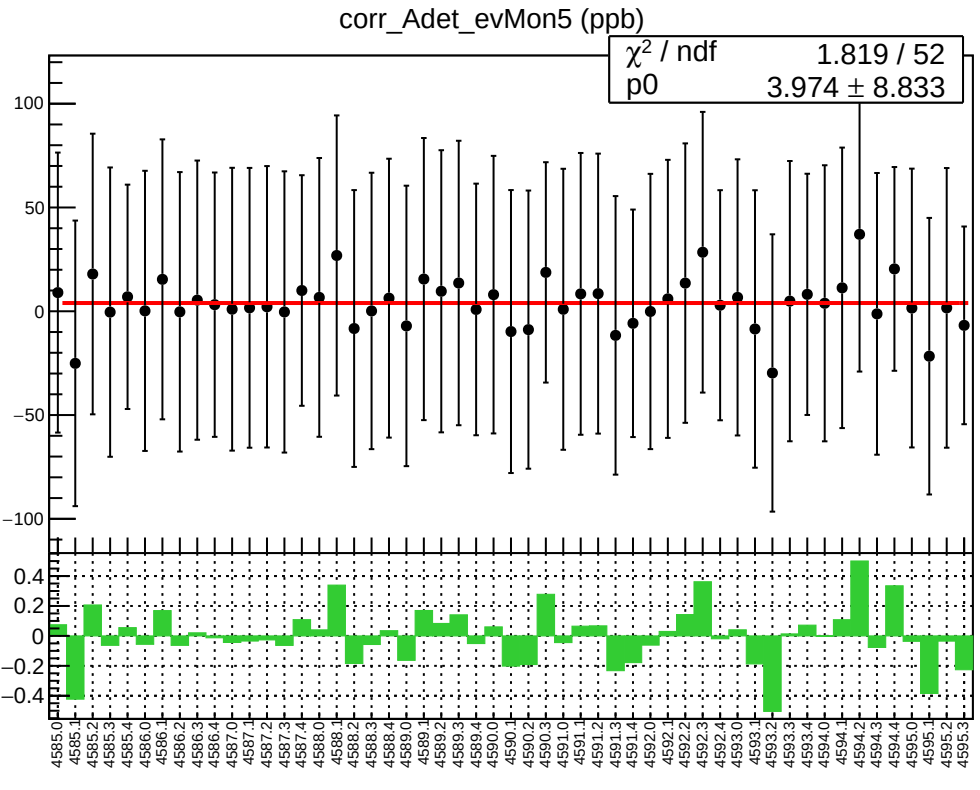

corr_Adet_evMon3 (ppb)
χ² / ndf 27.01 / 52
p0 0.3729 ± 41.56

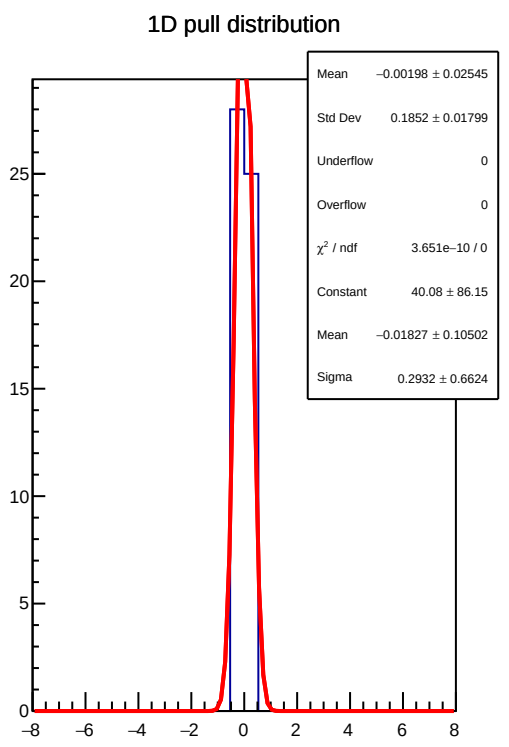

1D pull distribution
Mean 0.0009479 ± 0.09806
Std Dev 0.7139 ± 0.06934
Underflow 0
Overflow 0
χ² / ndf 3.238 / 4
Constant 25.81 ± 4.69
Mean 0.02291 ± 0.06098
Sigma 0.4126 ± 0.0496

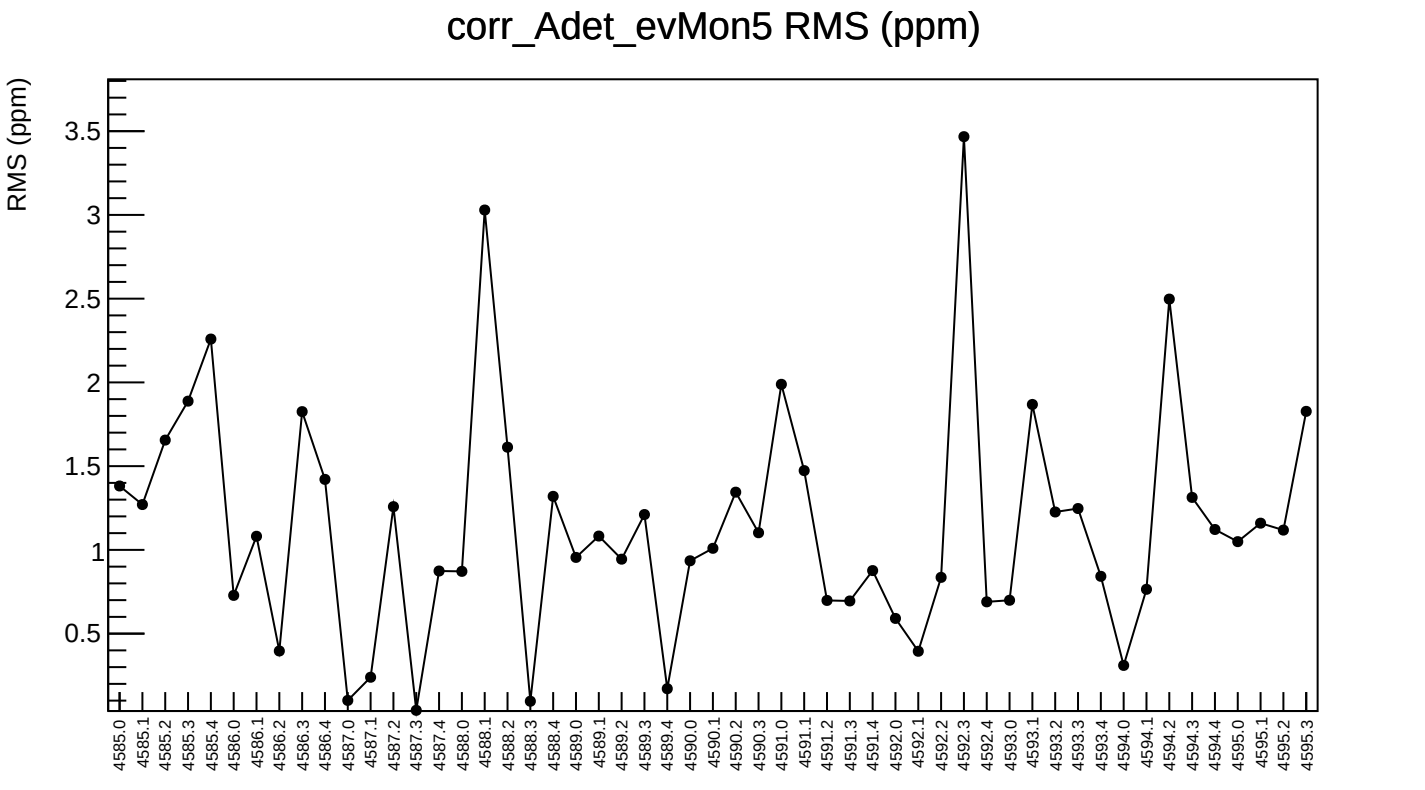

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
45
40
35
30
25
20
15
10
5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

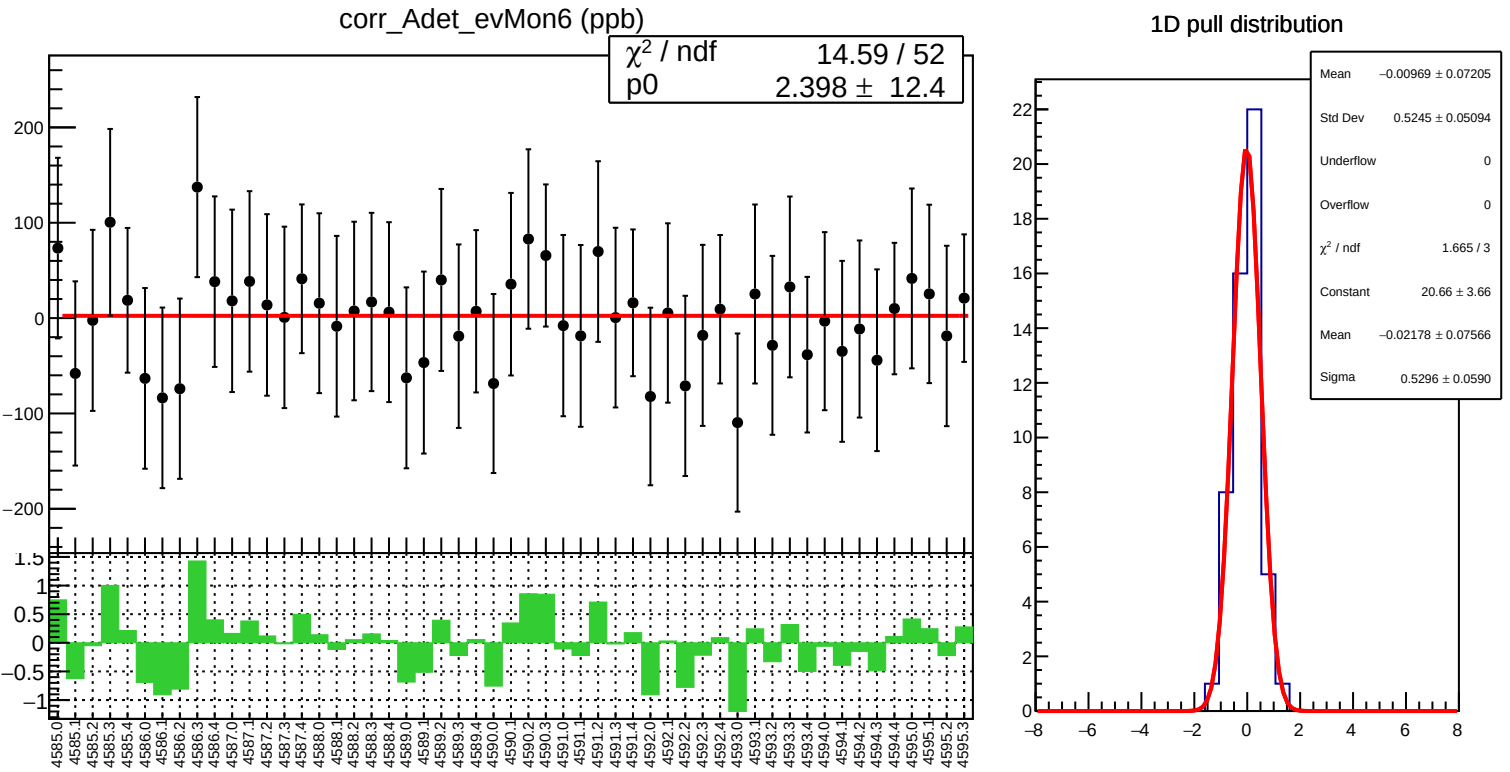

corr_Adet_evMon4 (ppb)
χ² / ndf 107.5 / 52
p0 −55.31 ± 53.51
1500
1000
500
0
−500
−1000
−1500
−2000
3
2
1
0
−1
−2
−3
−4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3
1D pull distribution
Mean −0.003 ± 0.1956
Std Dev 1.424 ± 0.1383
Underflow 0
Overflow 0
χ² / ndf 10.76 / 9
Constant 5.94 ± 1.28
Mean 0.09334 ± 0.29454
Sigma 1.618 ± 0.329
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

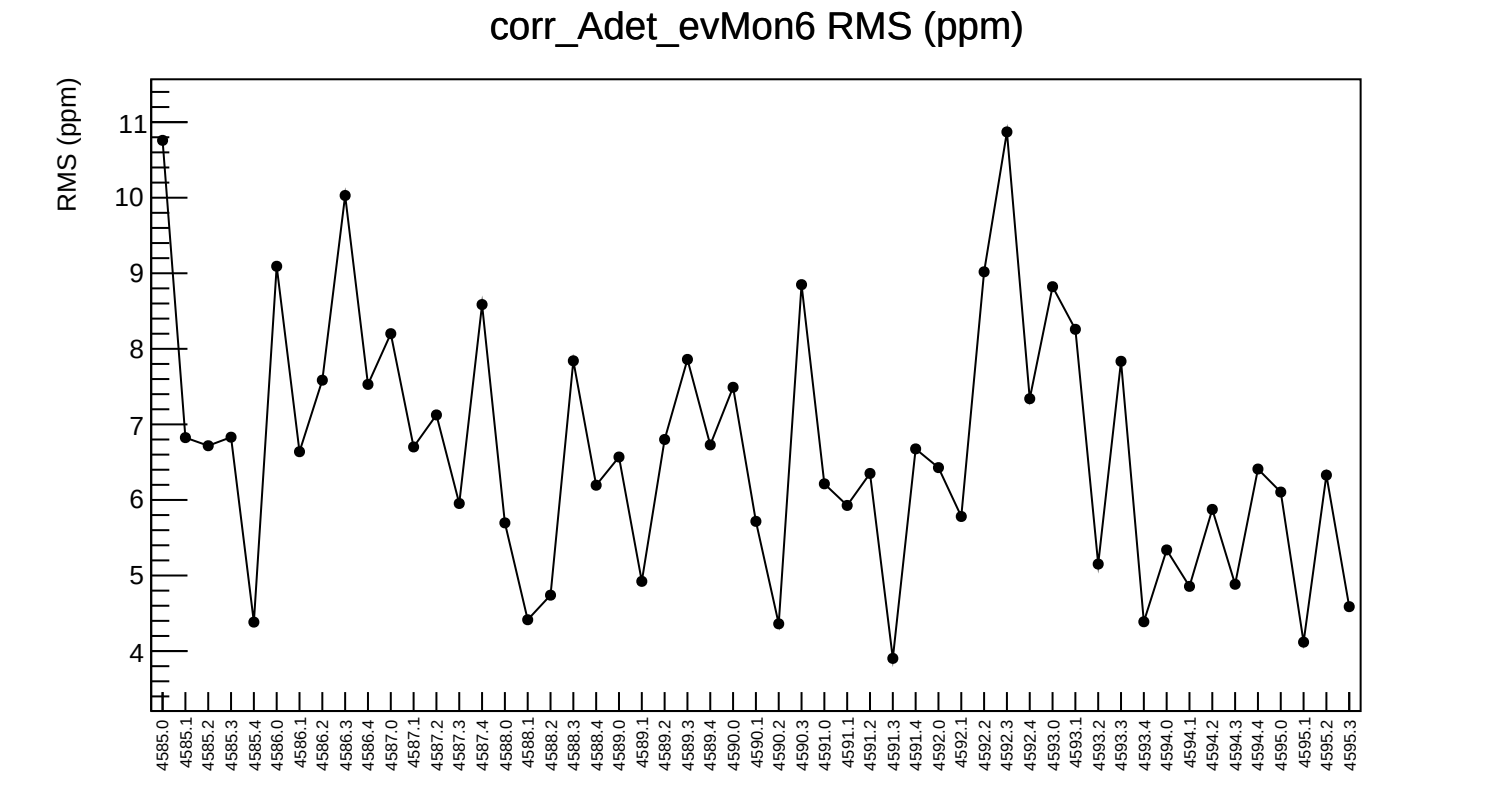

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
75
70
65
60
55
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

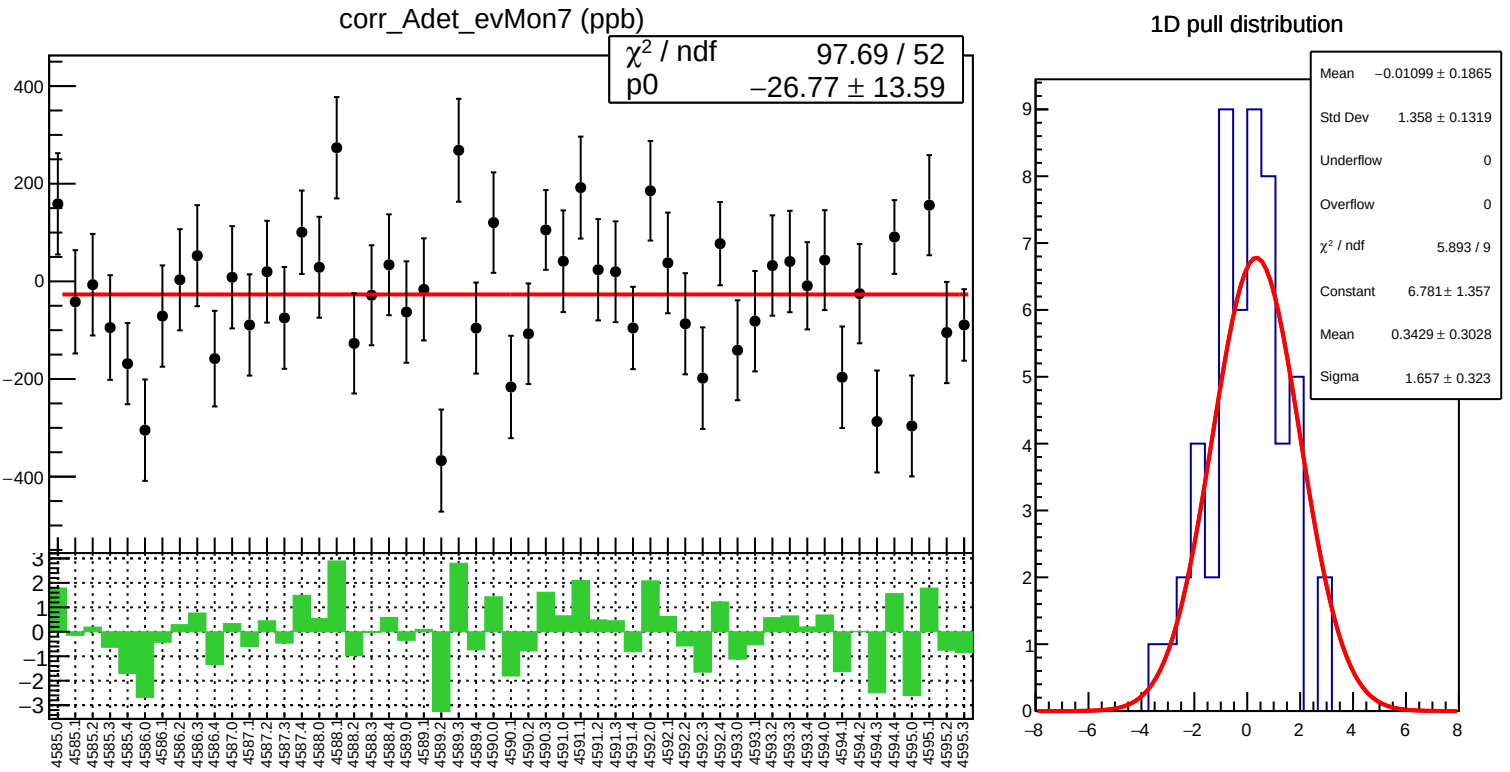

corr_Adet_evMon5 (ppb)
χ² / ndf 1.819 / 52
p0 3.974 ± 8.833
100
50
0
−50
−100
0.4
0.2
0
−0.2
−0.4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

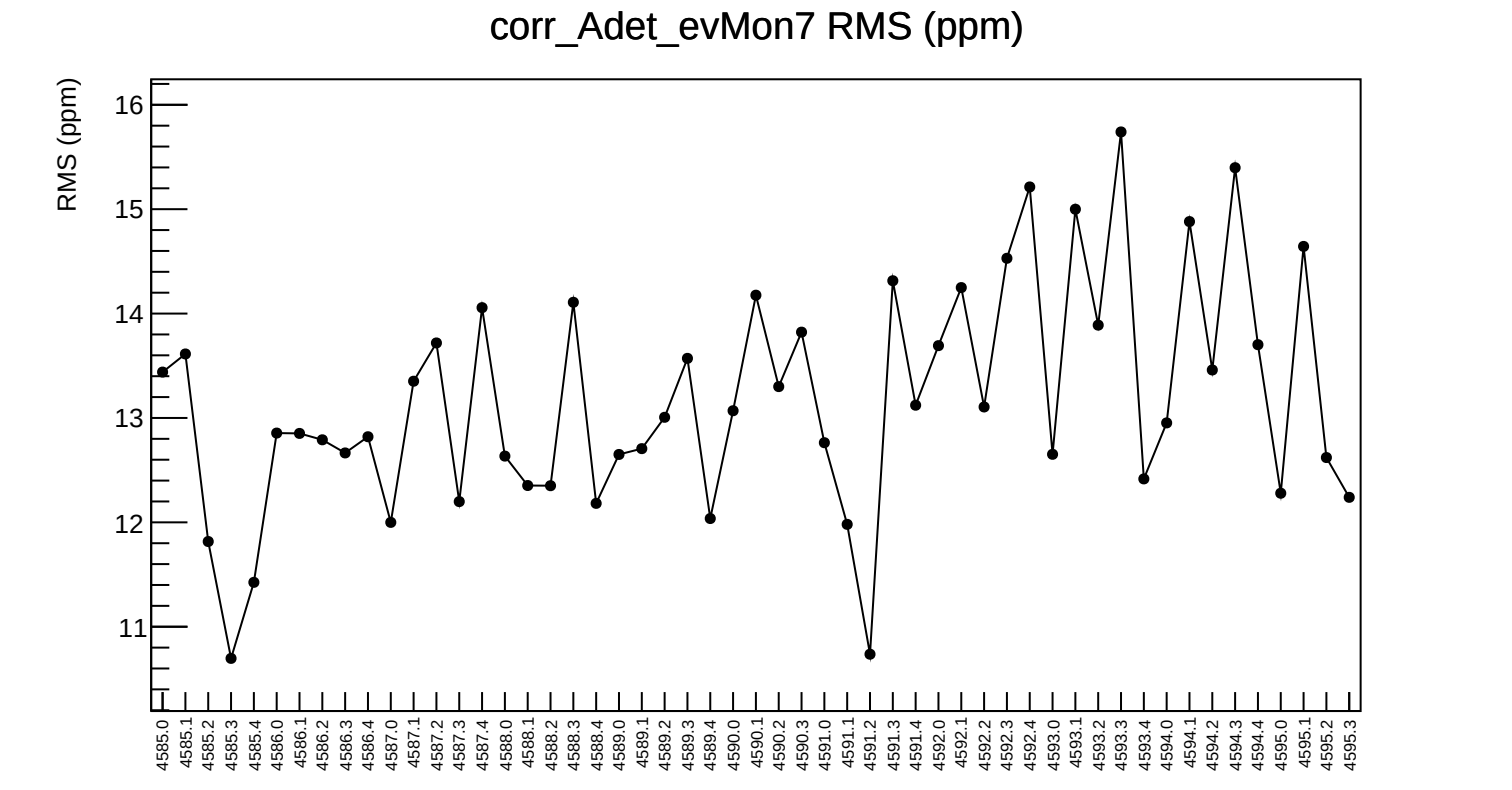

1D pull distribution
Mean −0.00198 ± 0.02545
Std Dev 0.1852 ± 0.01799
Underflow 0
Overflow 0
χ² / ndf 3.651e−10 / 0
Constant 40.08 ± 86.15
Mean −0.01827 ± 0.10502
Sigma 0.2932 ± 0.6624
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

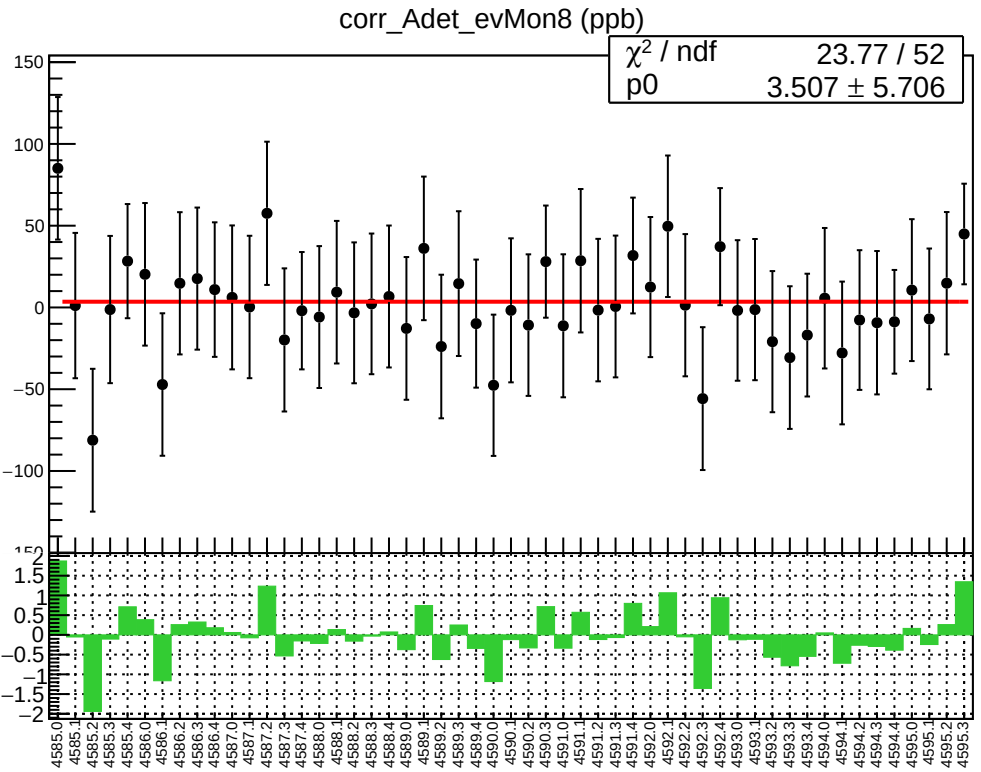

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

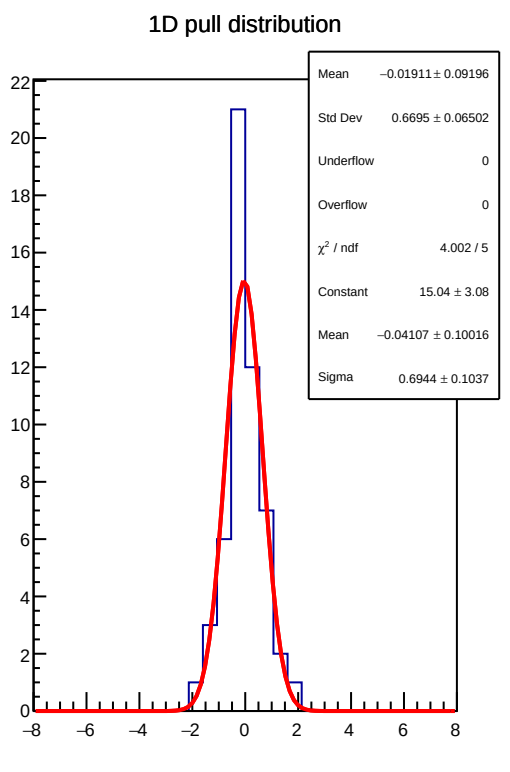

corr_Adet_evMon6 (ppb)
χ² / ndf 14.59 / 52
p0 2.398 ± 12.4
1D pull distribution
Mean −0.00969 ± 0.07205
Std Dev 0.5245 ± 0.05094
Underflow 0
Overflow 0
χ² / ndf 1.665 / 3
Constant 20.66 ± 3.66
Mean −0.02178 ± 0.07566
Sigma 0.5296 ± 0.0590

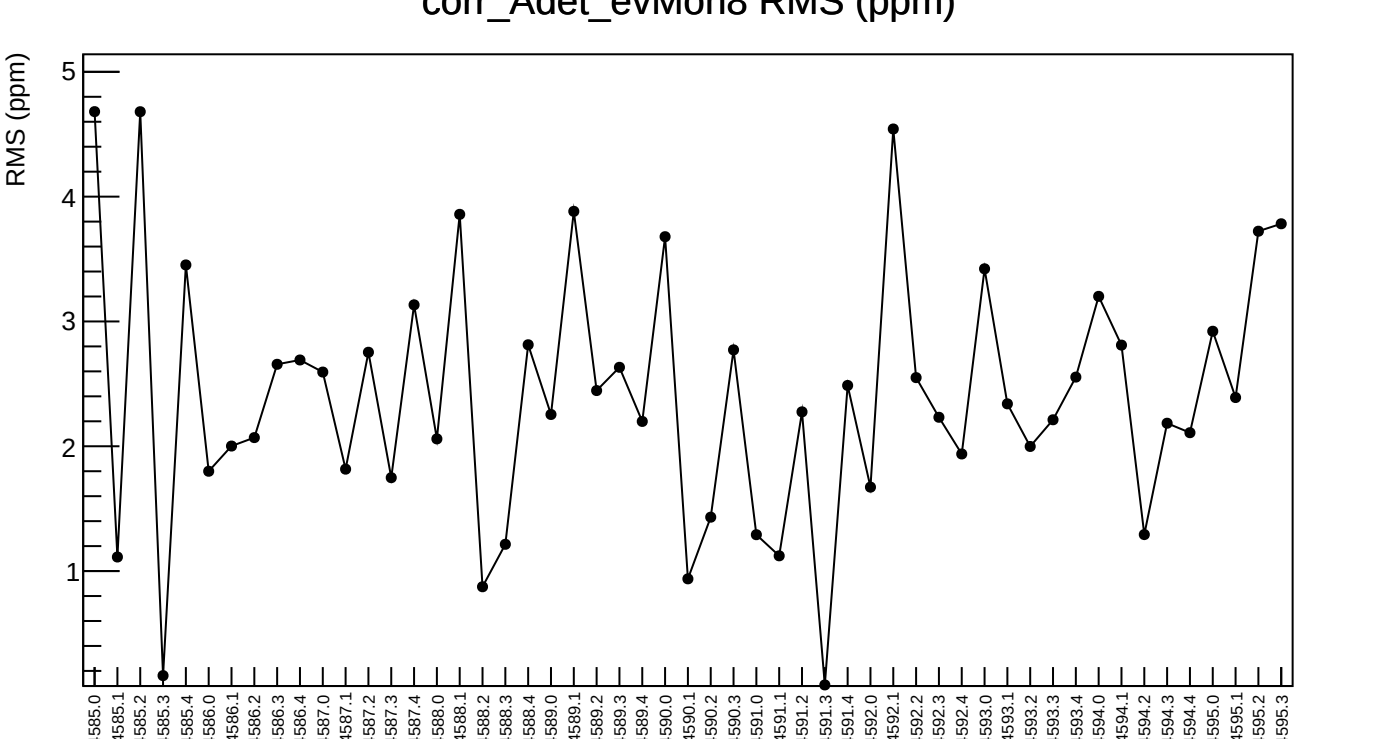

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

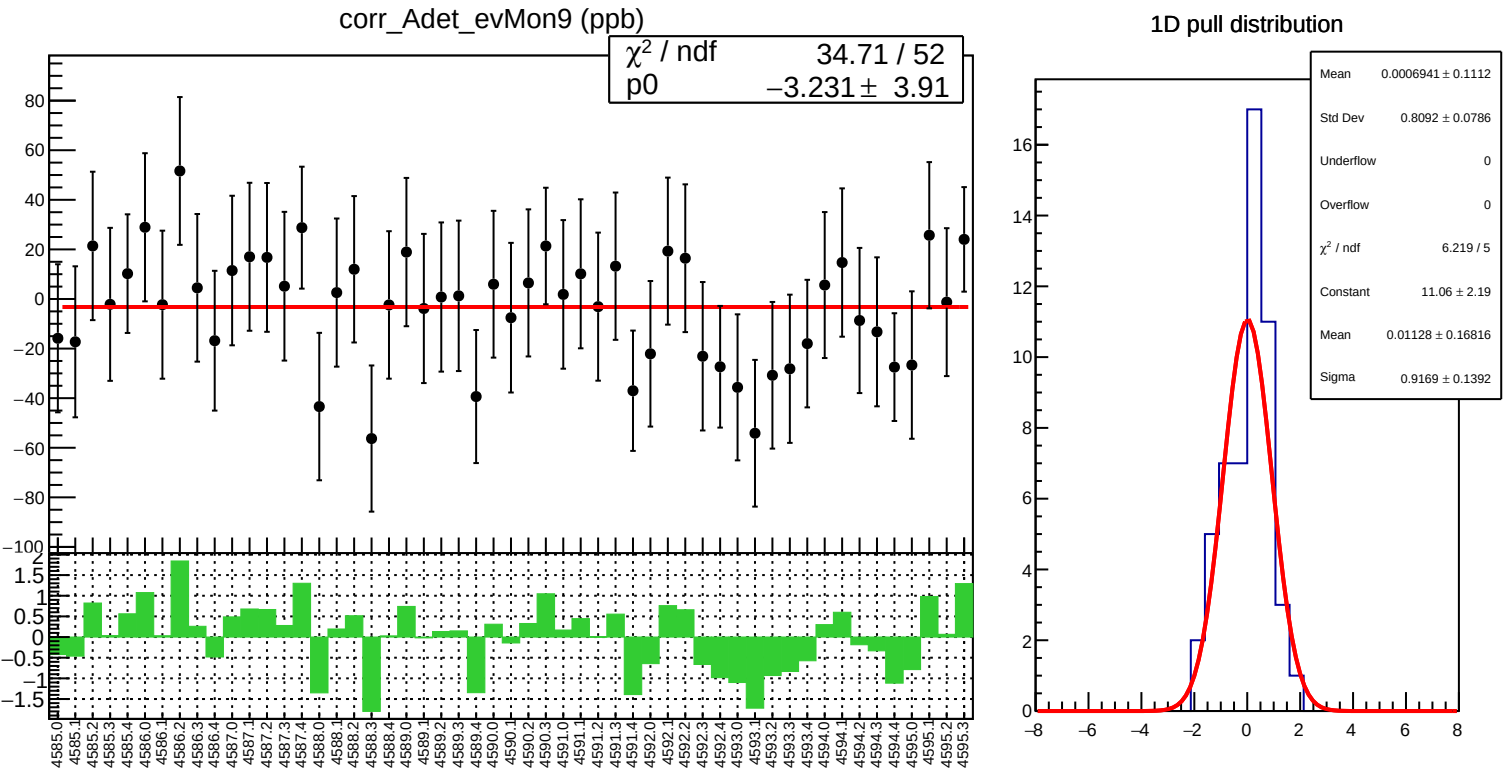

corr_Adet_evMon7 (ppb)
χ² / ndf 97.69 / 52
p0 −26.77 ± 13.59
1D pull distribution
Mean −0.01099 ± 0.1865
Std Dev 1.358 ± 0.1319
Underflow 0
Overflow 0
χ² / ndf 5.893 / 9
Constant 6.781 ± 1.357
Mean 0.3429 ± 0.3028
Sigma 1.657 ± 0.323

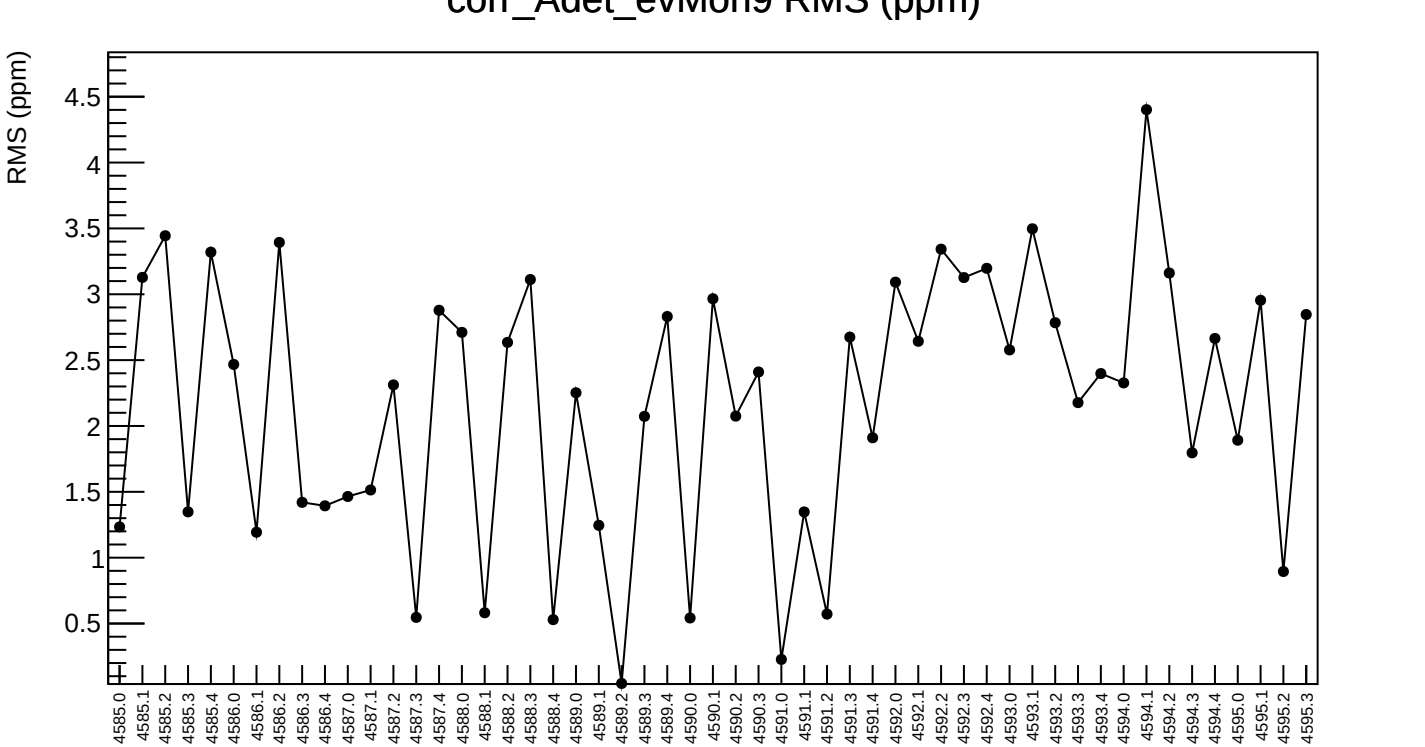

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
16
15
14
13
12
11
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

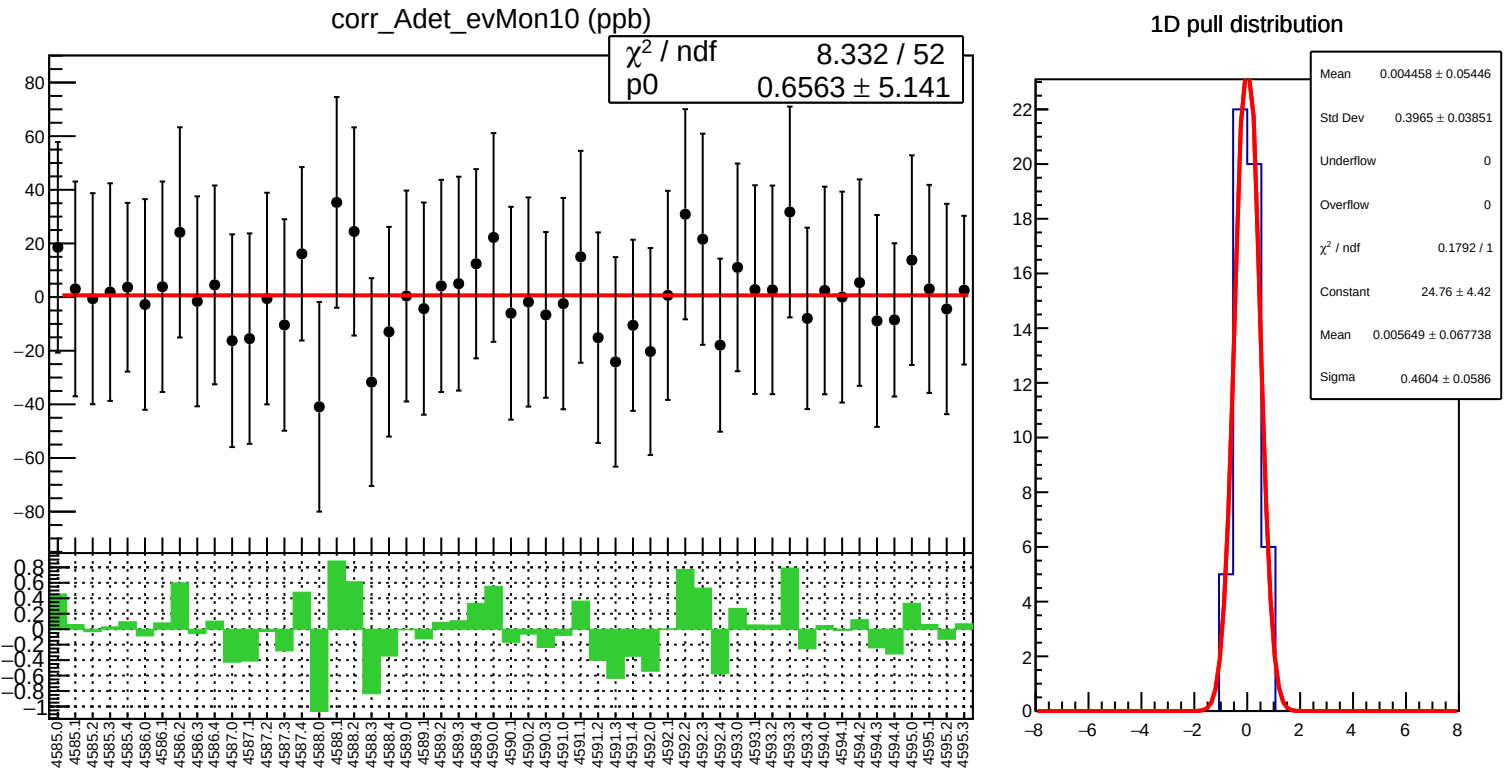

corr_Adet_evMon8 (ppb)
χ² / ndf 23.77 / 52
p0 3.507 ± 5.706

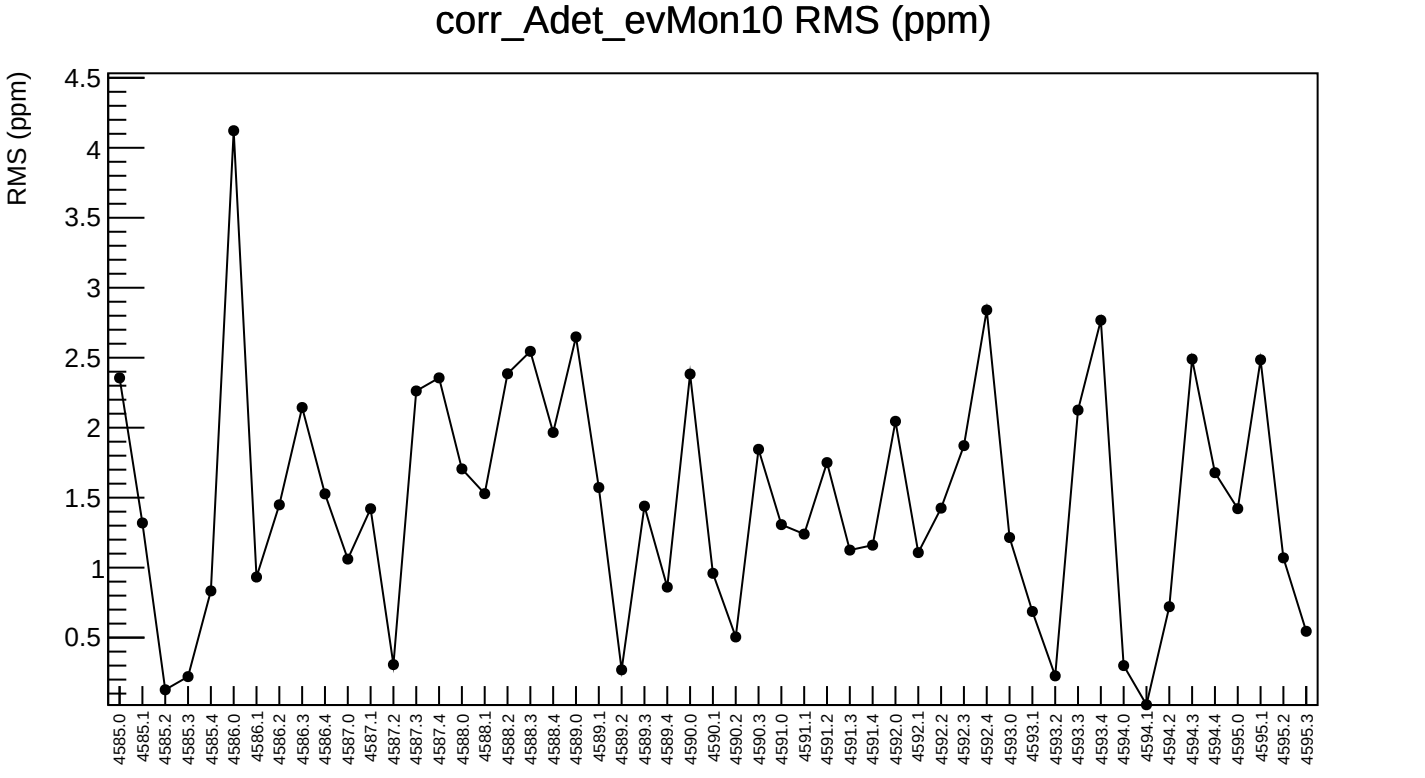

1D pull distribution
Mean −0.01911 ± 0.09196
Std Dev 0.6695 ± 0.06502
Underflow 0
Overflow 0
χ² / ndf 4.002 / 5
Constant 15.04 ± 3.08
Mean −0.04107 ± 0.10016
Sigma 0.6944 ± 0.1037

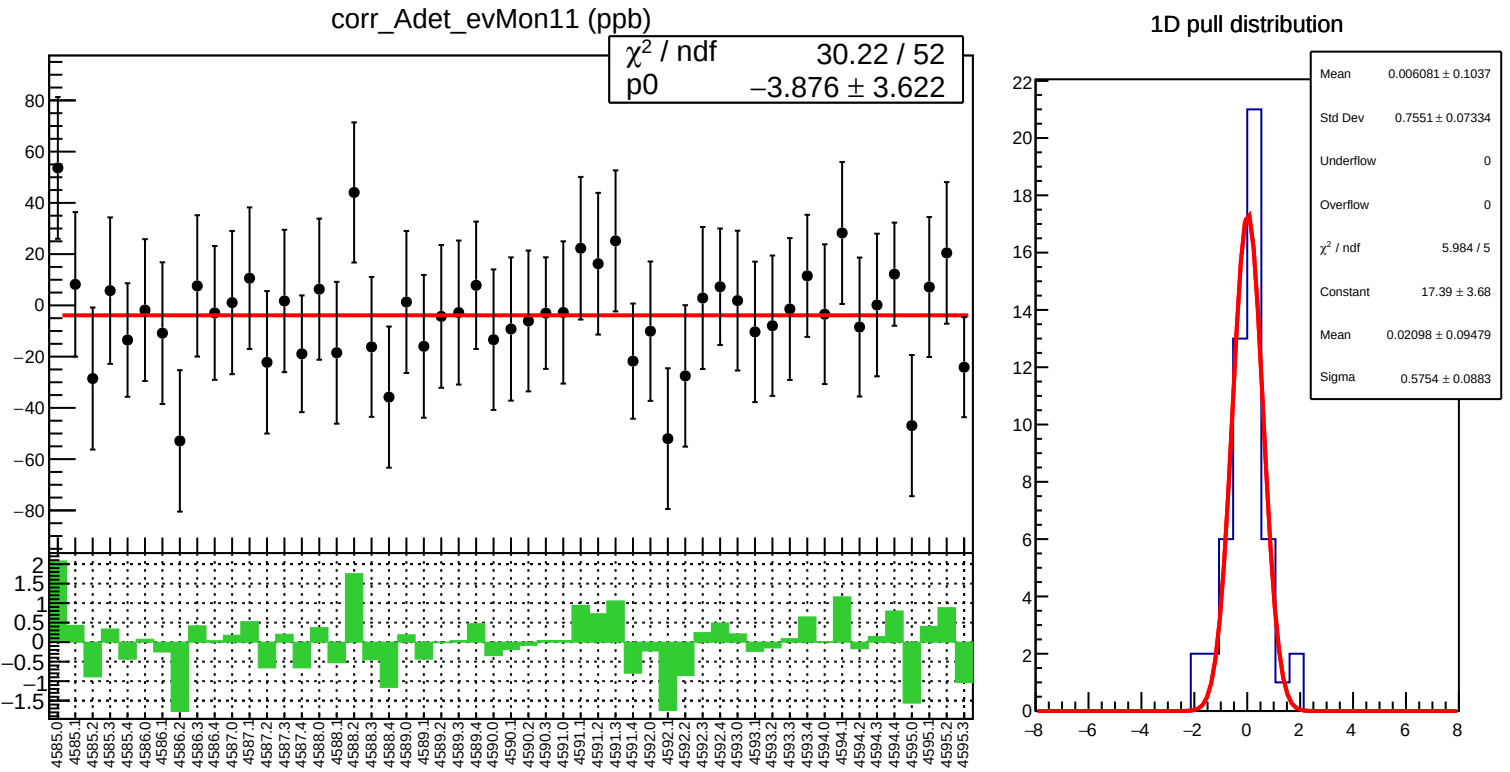

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

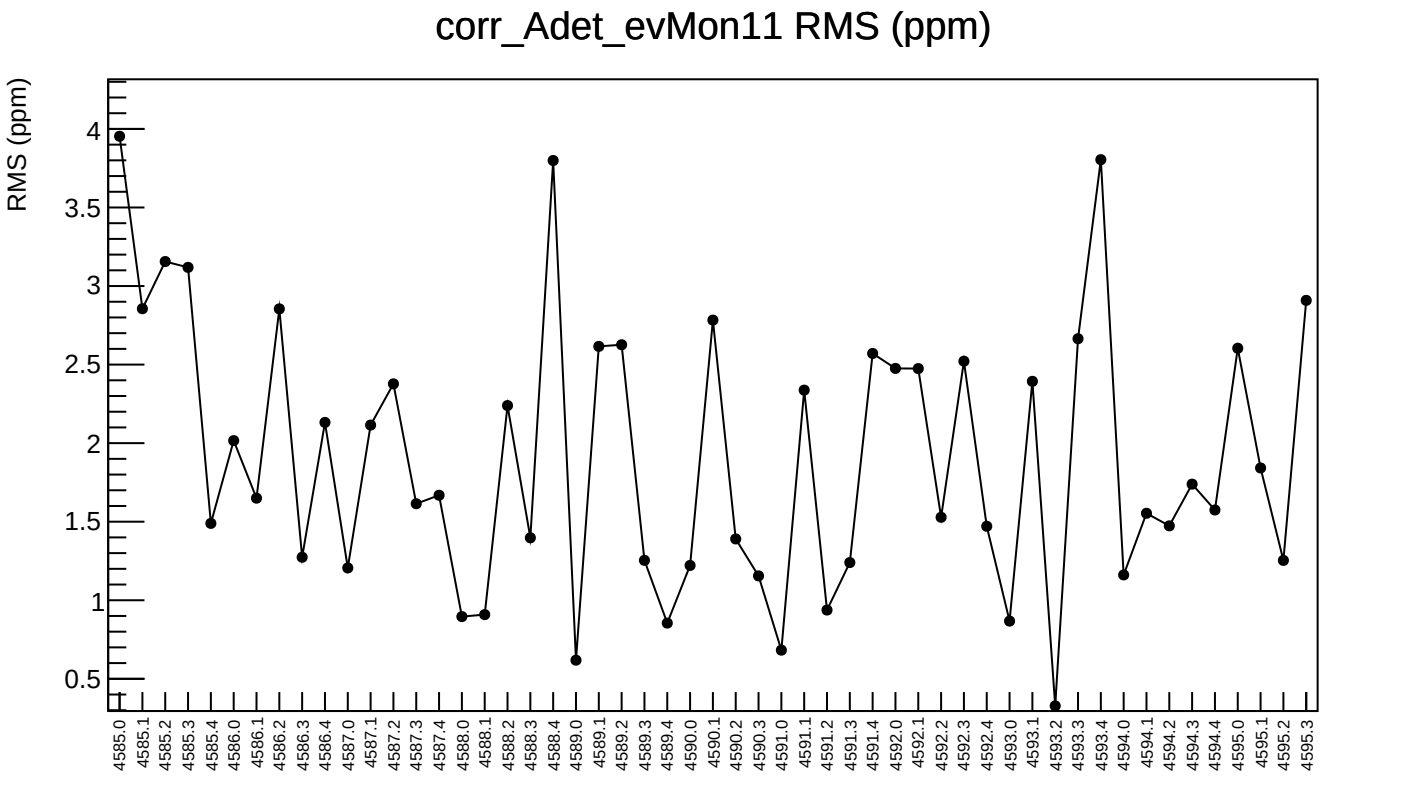

corr_Adet_evMon9 (ppb)
χ² / ndf 34.71 / 52
p0 −3.231 ± 3.91
1D pull distribution
Mean 0.0006941 ± 0.1112
Std Dev 0.8092 ± 0.0786
Underflow 0
Overflow 0
χ² / ndf 6.219 / 5
Constant 11.06 ± 2.19
Mean 0.01128 ± 0.16816
Sigma 0.9169 ± 0.1392

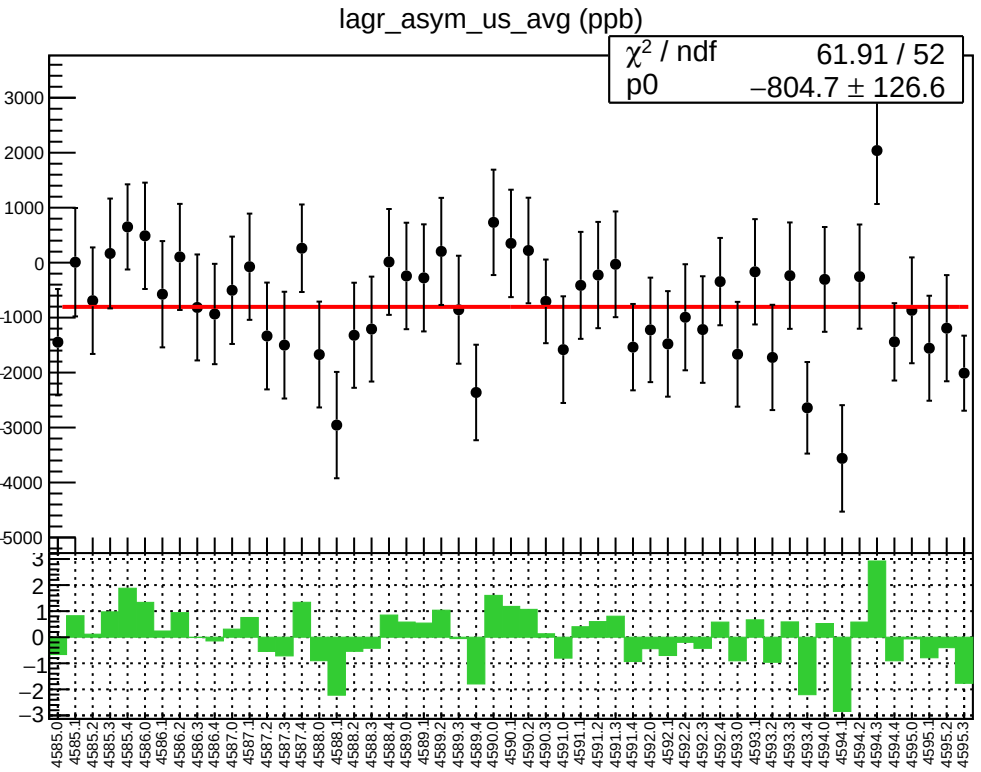

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

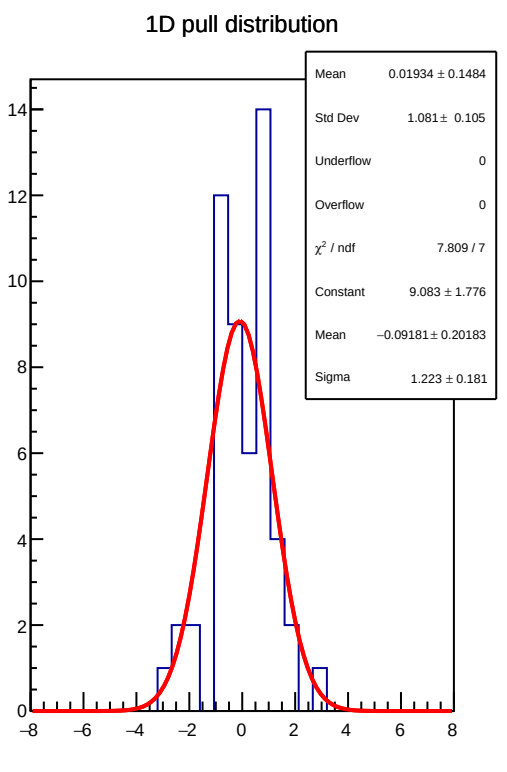

corr_Adet_evMon10 (ppb)
χ² / ndf 8.332 / 52
p0 0.6563 ± 5.141
1D pull distribution
Mean 0.004458 ± 0.05446
Std Dev 0.3965 ± 0.03851
Underflow 0
Overflow 0
χ² / ndf 0.1792 / 1
Constant 24.76 ± 4.42
Mean 0.005649 ± 0.067738
Sigma 0.4604 ± 0.0586

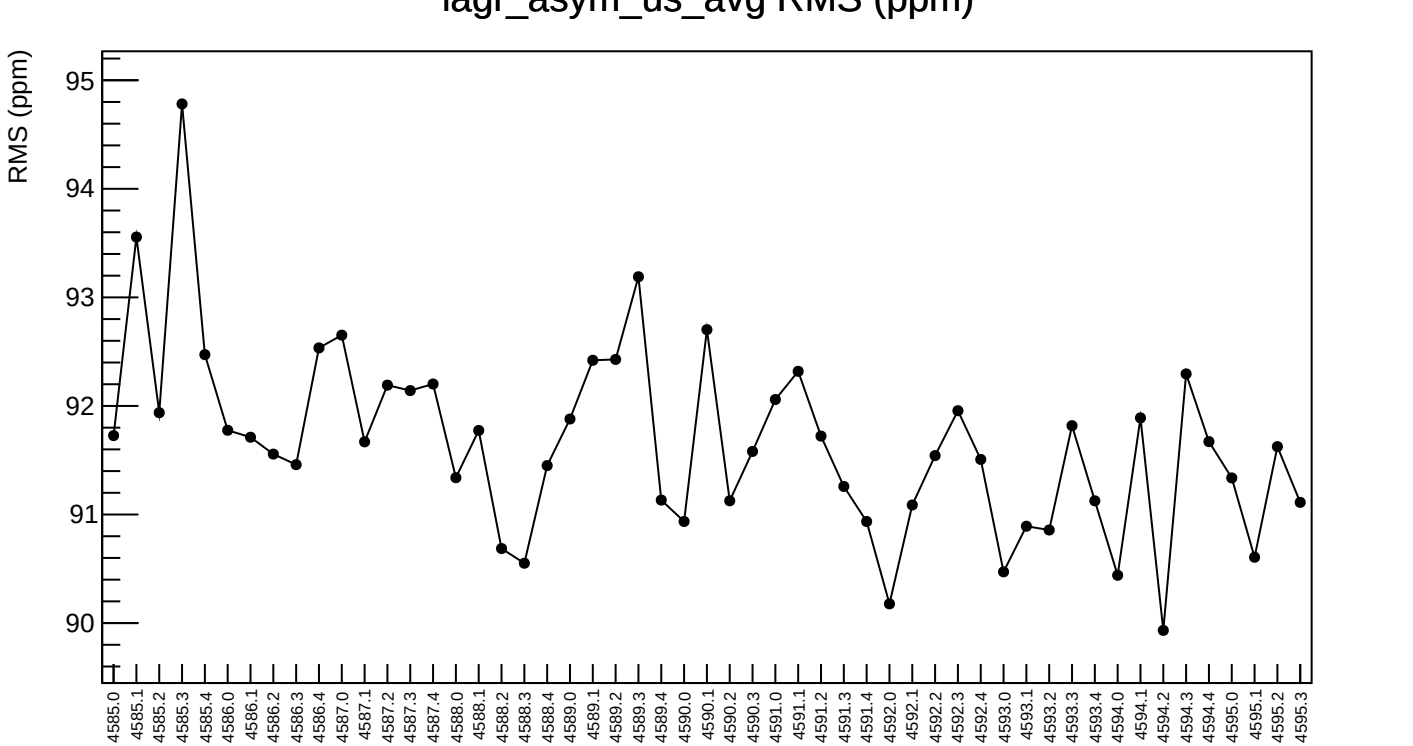

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

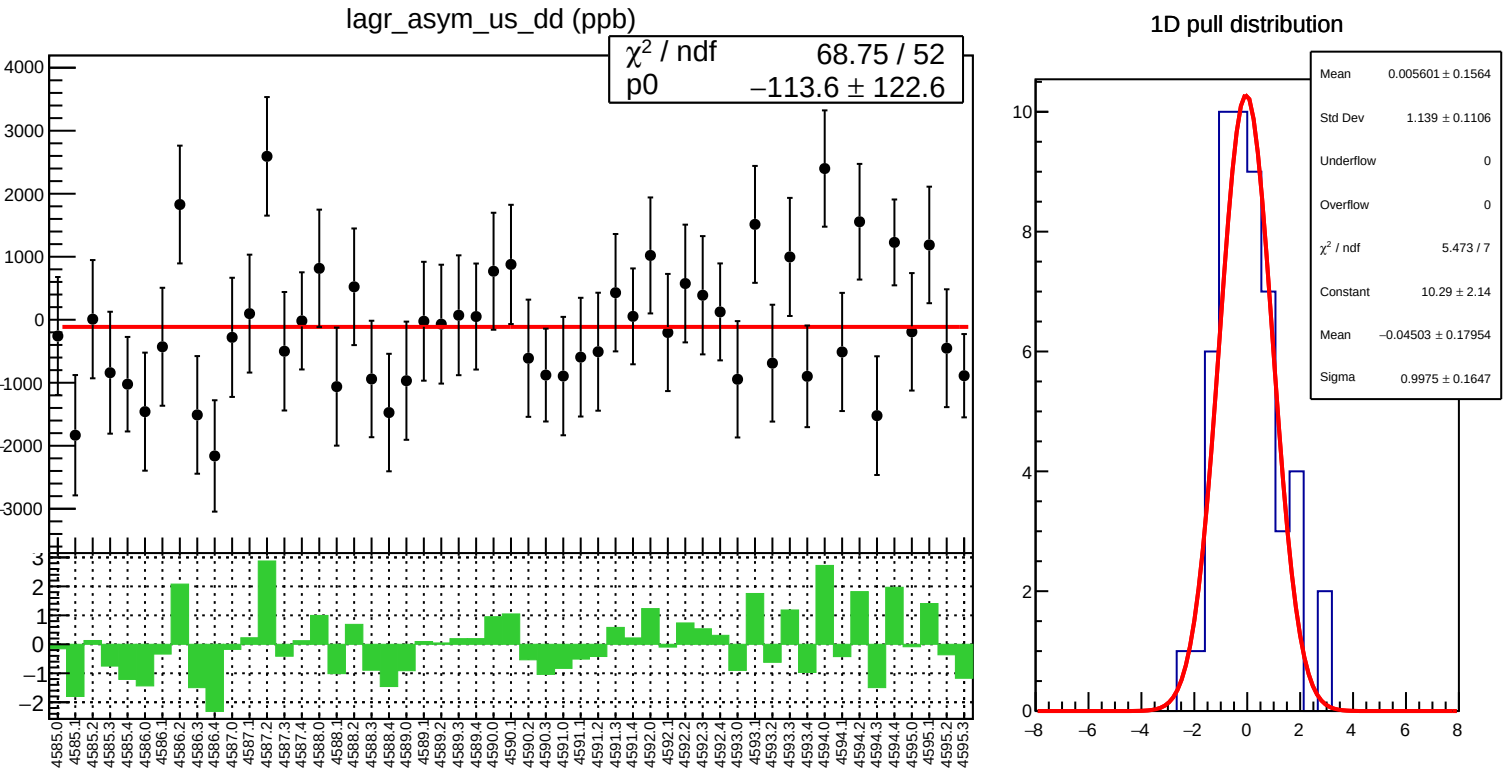

corr_Adet_evMon11 (ppb)
χ² / ndf 30.22 / 52
p0 −3.876 ± 3.622
1D pull distribution
Mean 0.006081 ± 0.1037
Std Dev 0.7551 ± 0.07334
Underflow 0
Overflow 0
χ² / ndf 5.984 / 5
Constant 17.39 ± 3.68
Mean 0.02098 ± 0.09479
Sigma 0.5754 ± 0.0883

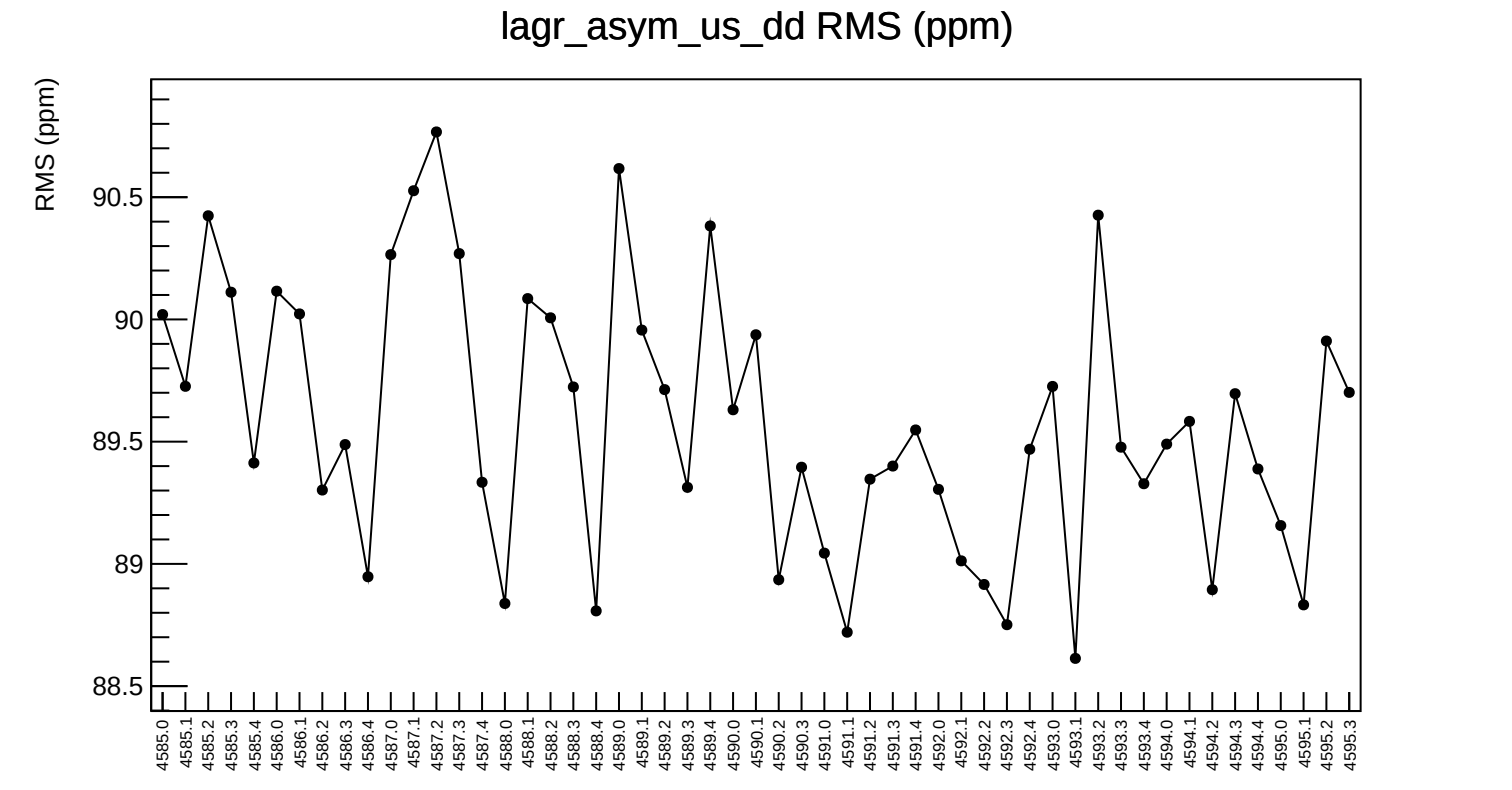

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

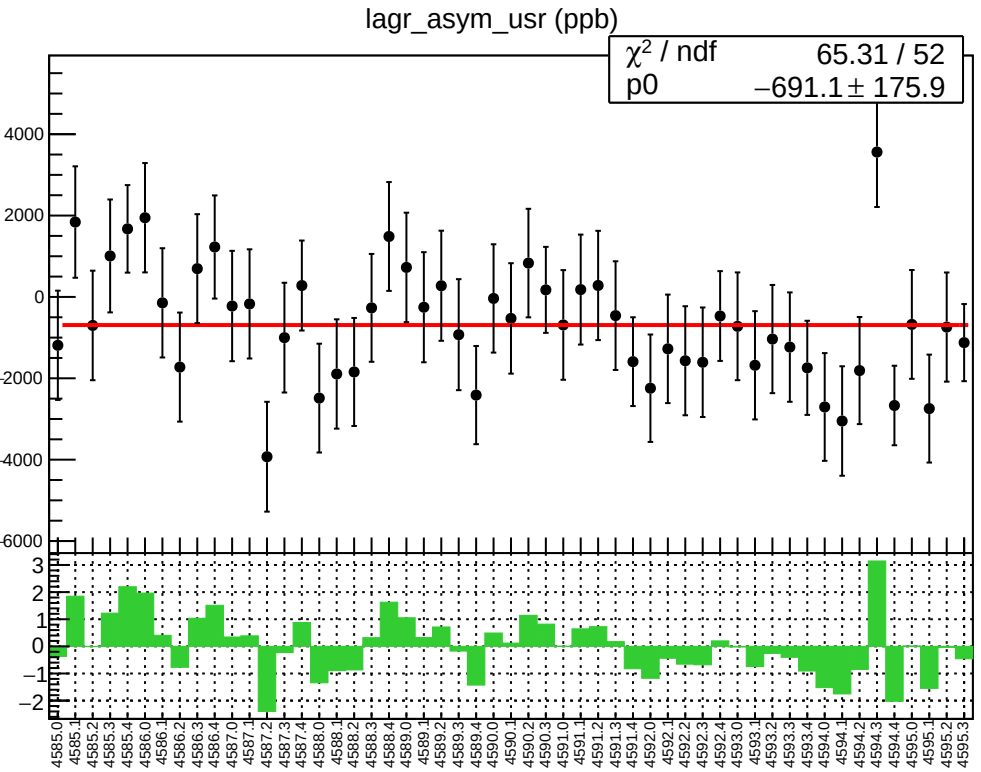

lagr_asym_us_avg (ppb)
χ² / ndf 61.91 / 52
p0 −804.7 ± 126.6

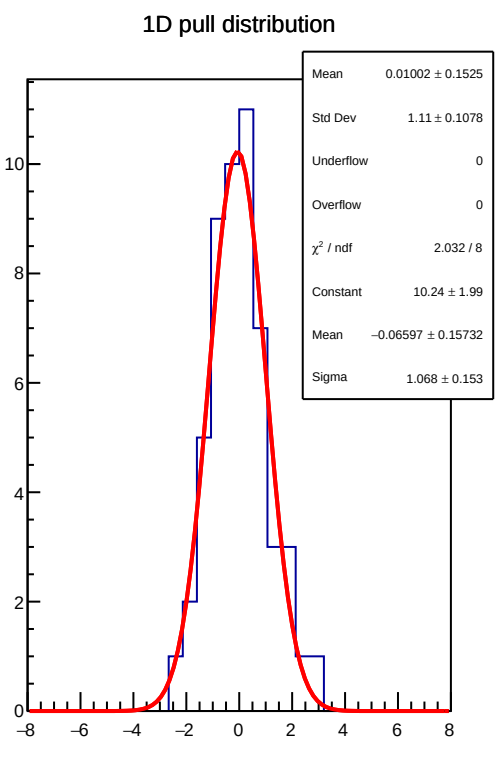

1D pull distribution
Mean 0.01934 ± 0.1484
Std Dev 1.081 ± 0.105
Underflow 0
Overflow 0
χ² / ndf 7.809 / 7
Constant 9.083 ± 1.776
Mean −0.09181 ± 0.20183
Sigma 1.223 ± 0.181

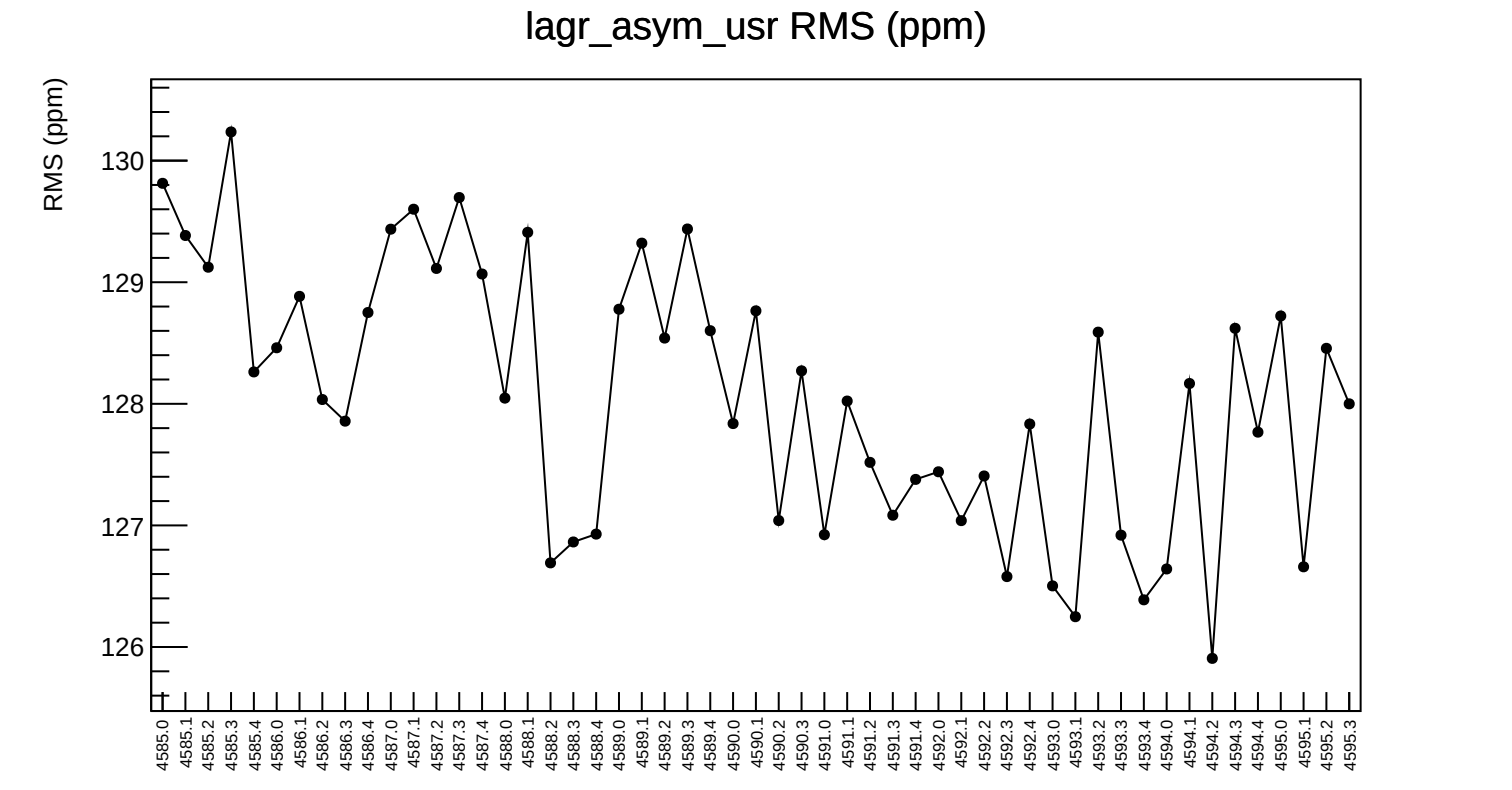

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
95
94
93
92
91
90
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

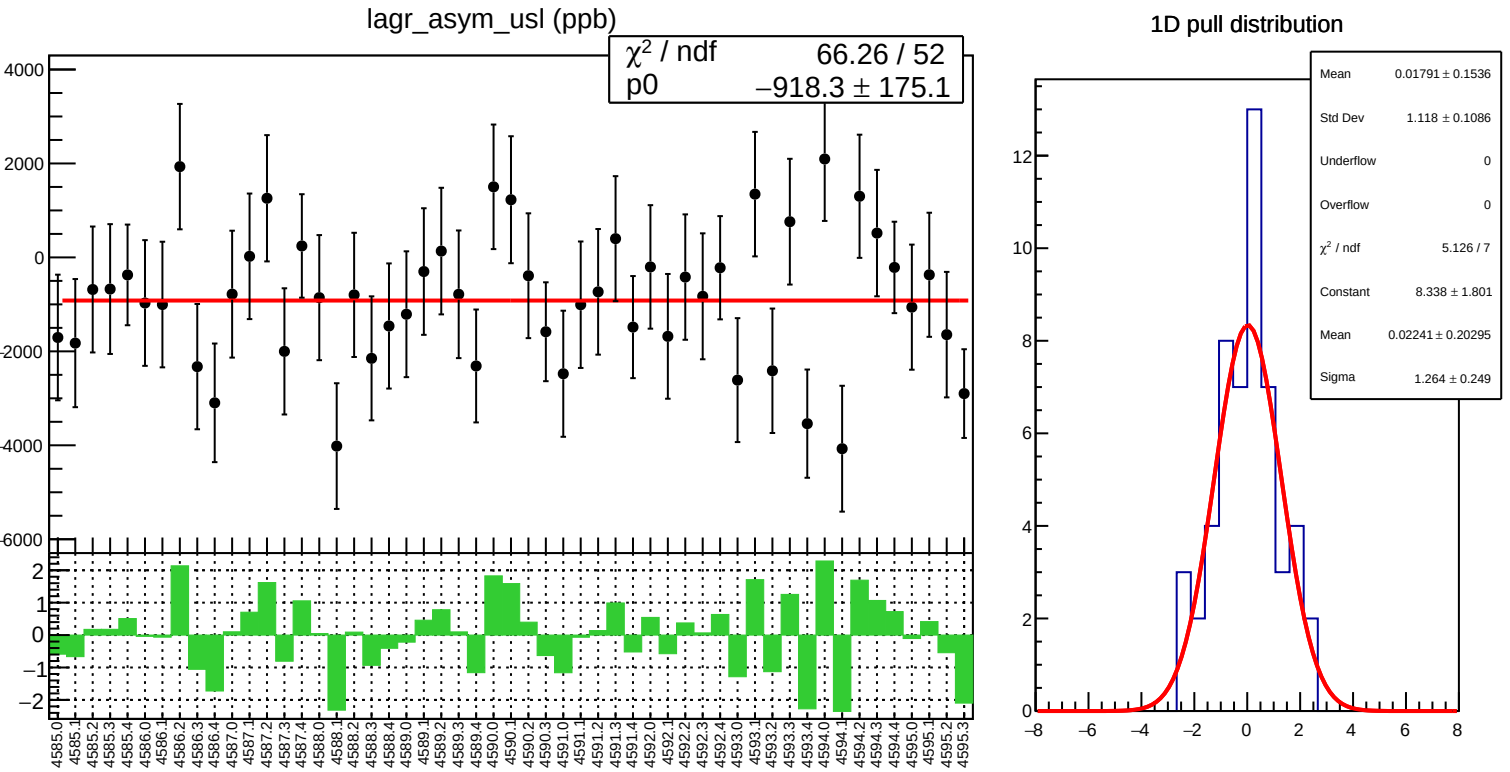

lagr_asym_us_dd (ppb)
χ² / ndf 68.75 / 52
p0 −113.6 ± 122.6
1D pull distribution
Mean 0.005601 ± 0.1564
Std Dev 1.139 ± 0.1106
Underflow 0
Overflow 0
χ² / ndf 5.473 / 7
Constant 10.29 ± 2.14
Mean −0.04503 ± 0.17954
Sigma 0.9975 ± 0.1647

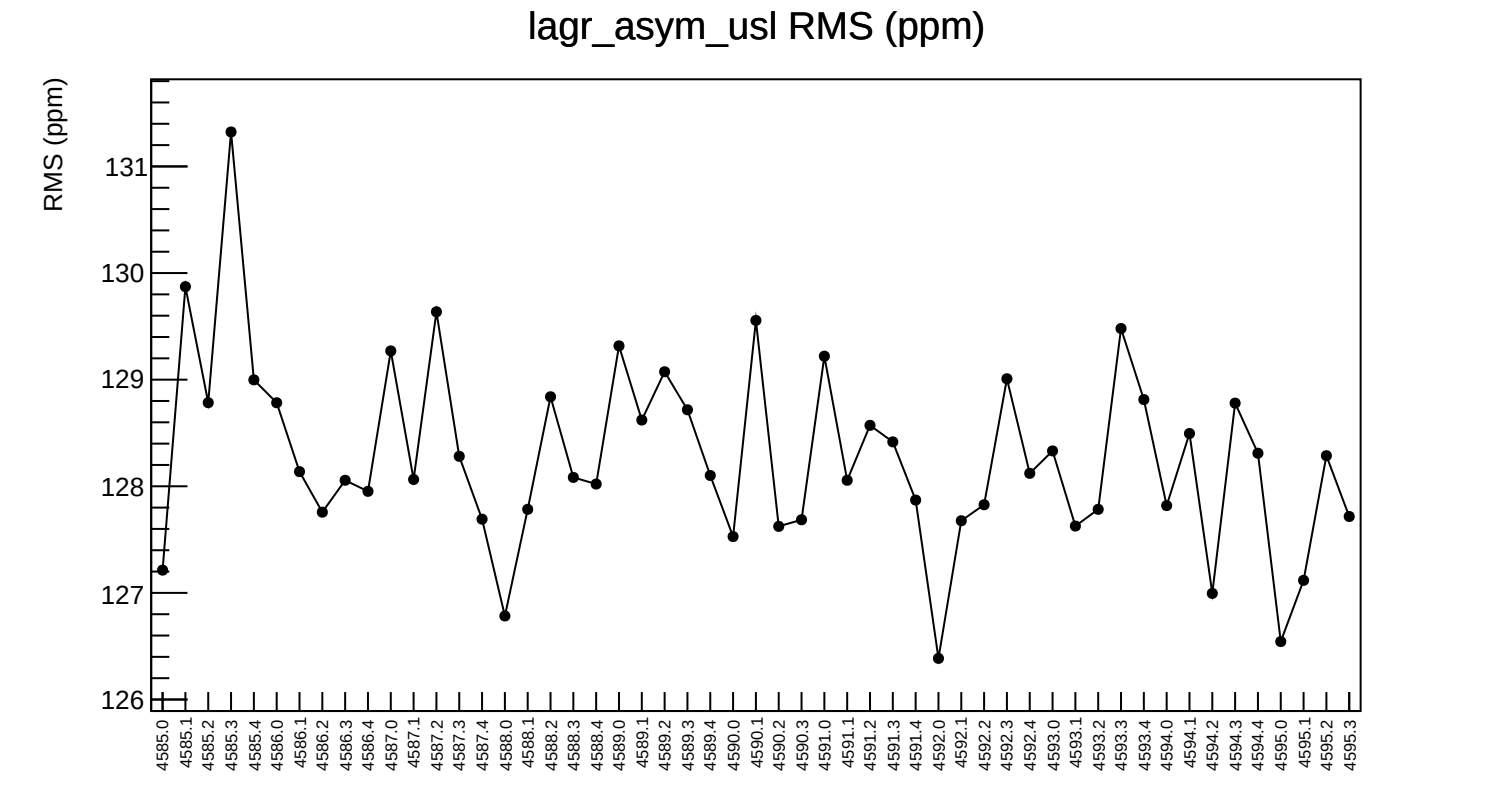

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
90.5
90
89.5
89
88.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

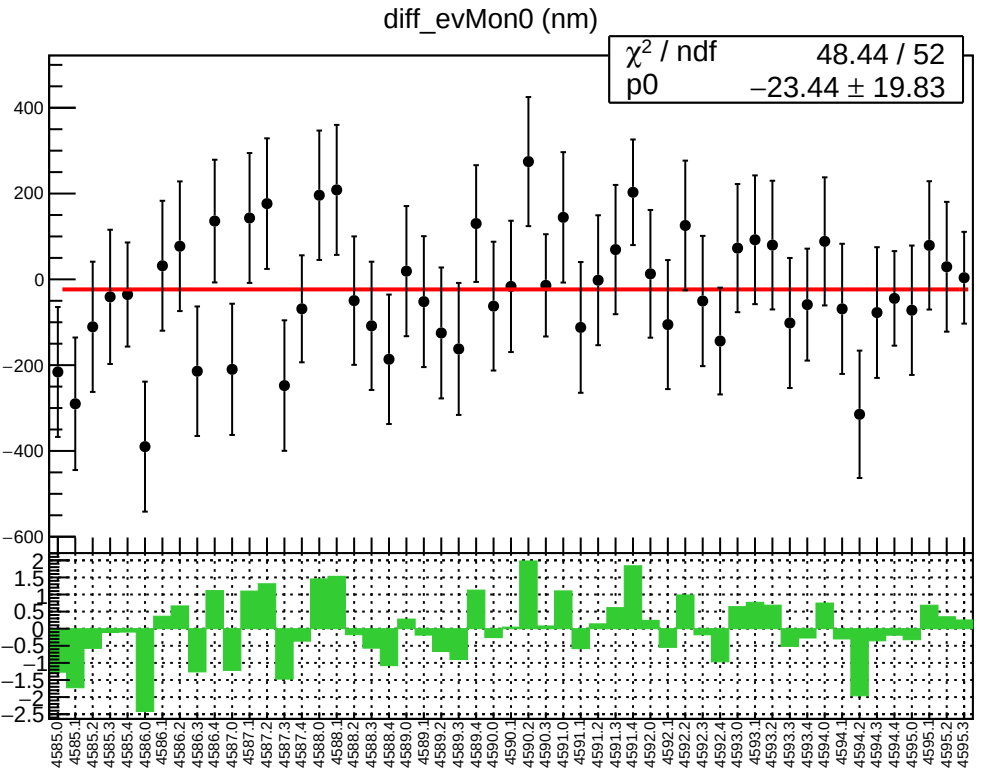

lagr_asym_usr (ppb)
χ² / ndf 65.31 / 52
p0 −691.1 ± 175.9
4000
2000
0
-2000
-4000
-6000
3
2
1
0
−1
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

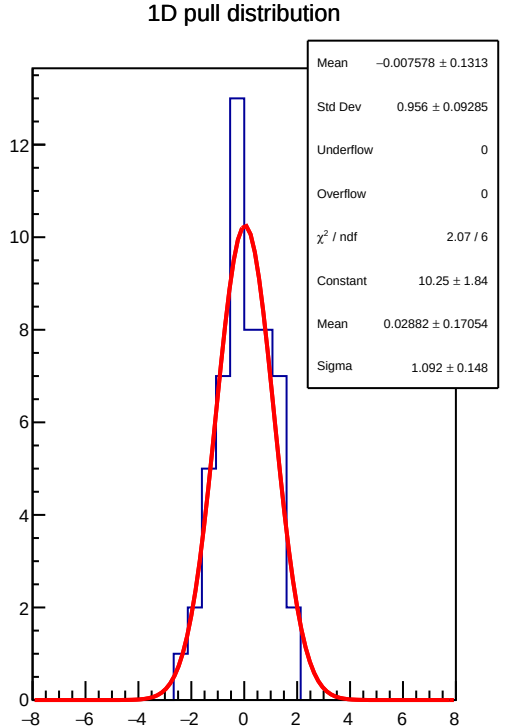

1D pull distribution
Mean 0.01002 ± 0.1525
Std Dev 1.11 ± 0.1078
Underflow 0
Overflow 0
χ² / ndf 2.032 / 8
Constant 10.24 ± 1.99
Mean −0.06597 ± 0.15732
Sigma 1.068 ± 0.153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

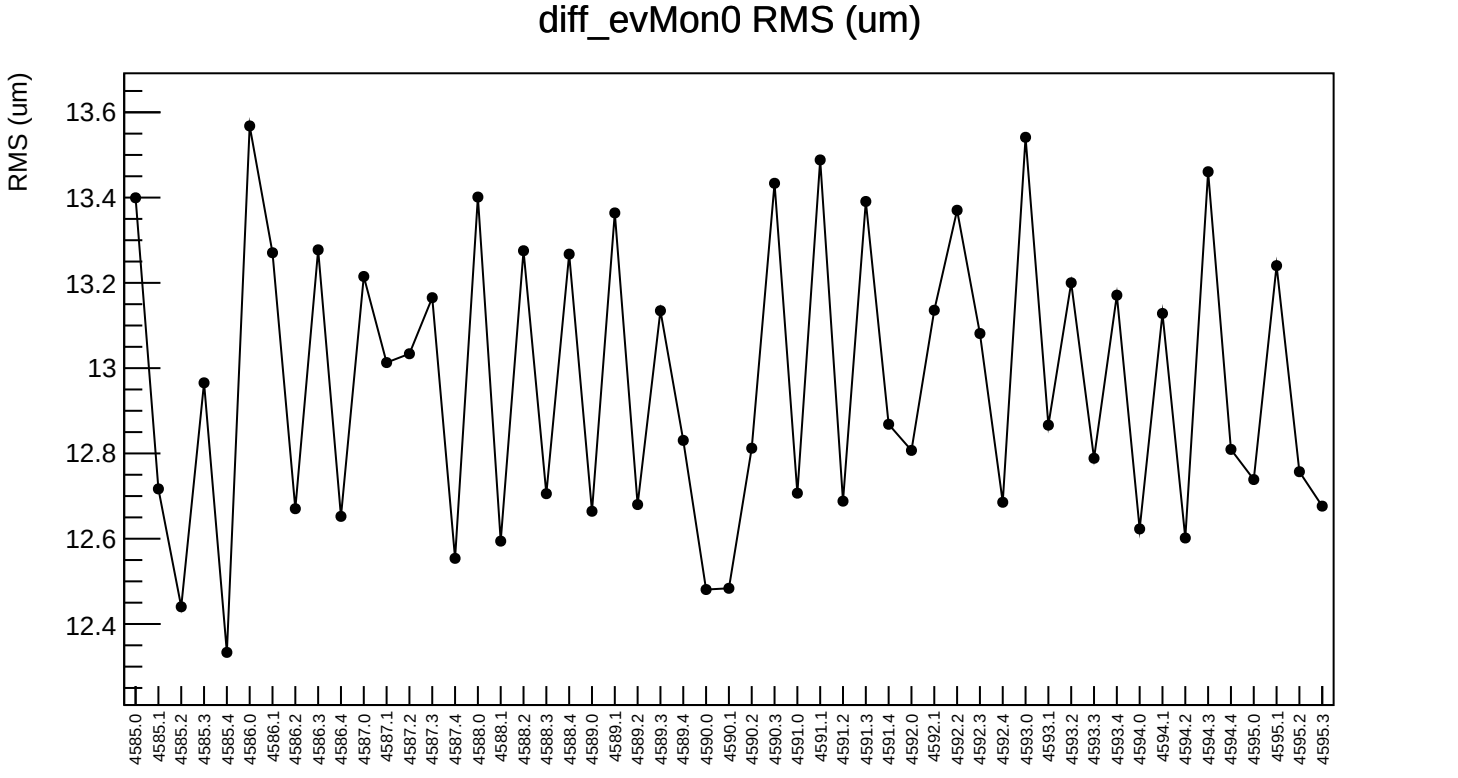

lagr_asym_usr RMS (ppm)
RMS (ppm)
130
129
128
127
126
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

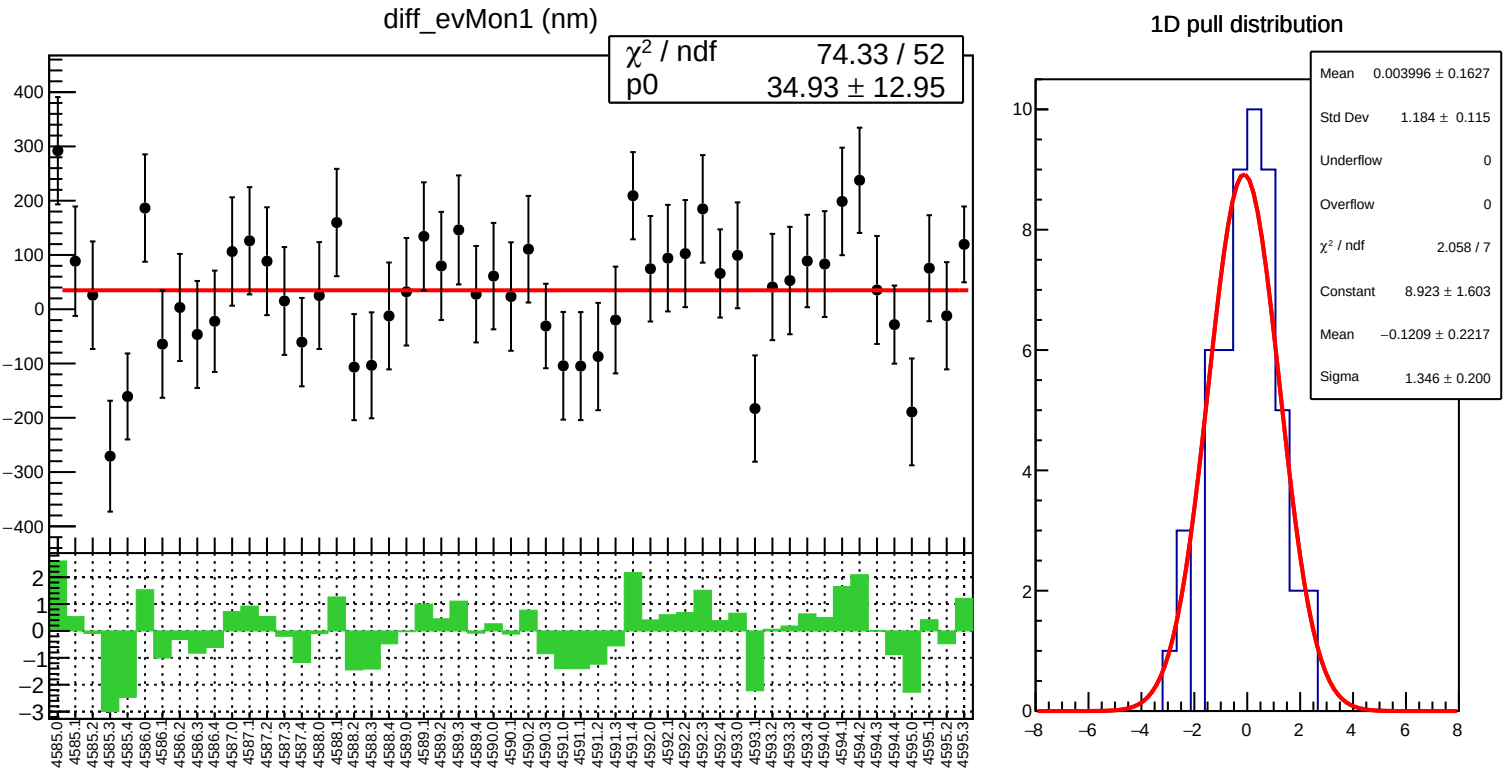

lagr_asym_usl (ppb)
χ² / ndf 66.26 / 52
p0 −918.3 ± 175.1
4000
2000
0
-2000
-4000
-6000
2
1
0
−1
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3
1D pull distribution
Mean 0.01791 ± 0.1536
Std Dev 1.118 ± 0.1086
Underflow 0
Overflow 0
χ² / ndf 5.126 / 7
Constant 8.338 ± 1.801
Mean 0.02241 ± 0.20295
Sigma 1.264 ± 0.249
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

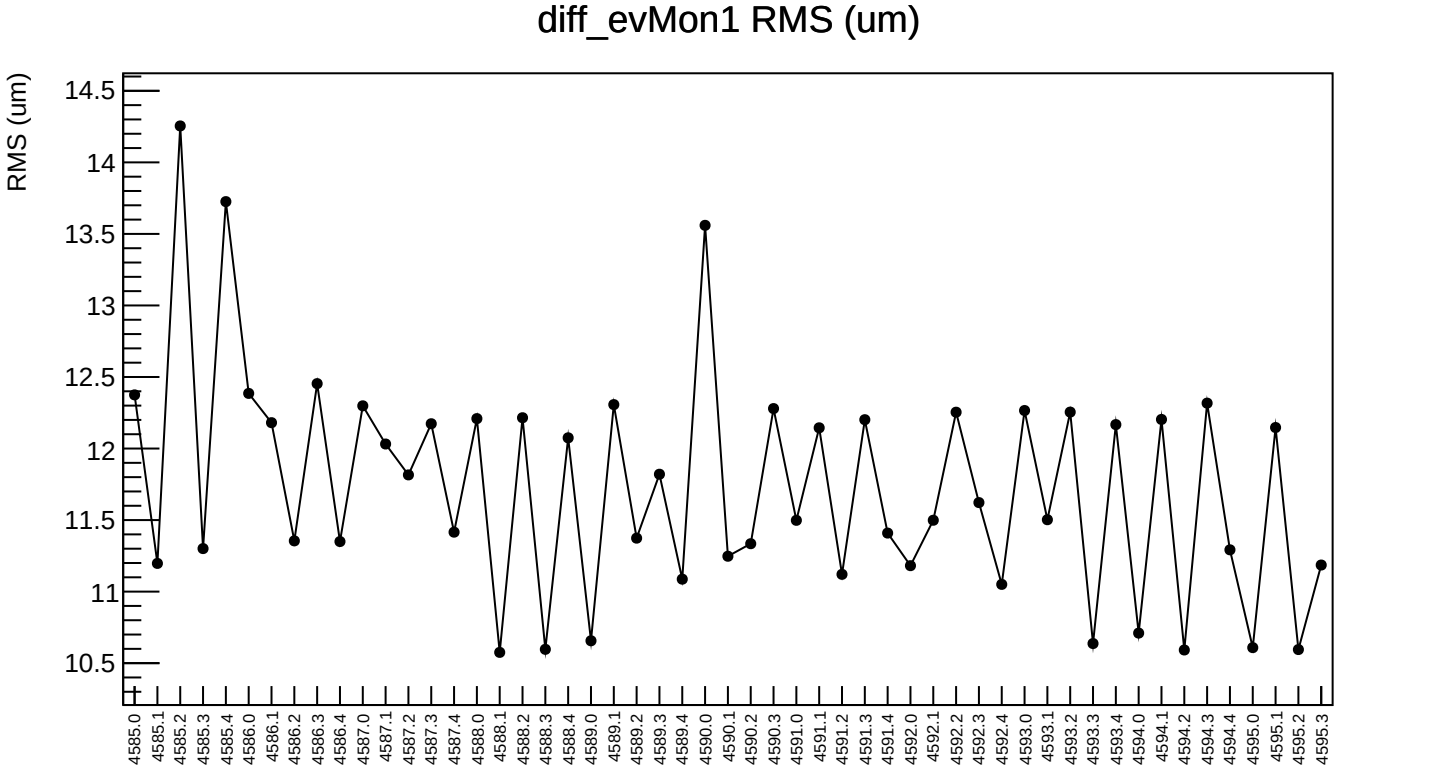

lagr_asym_usl RMS (ppm)
RMS (ppm)
131
130
129
128
127
126
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

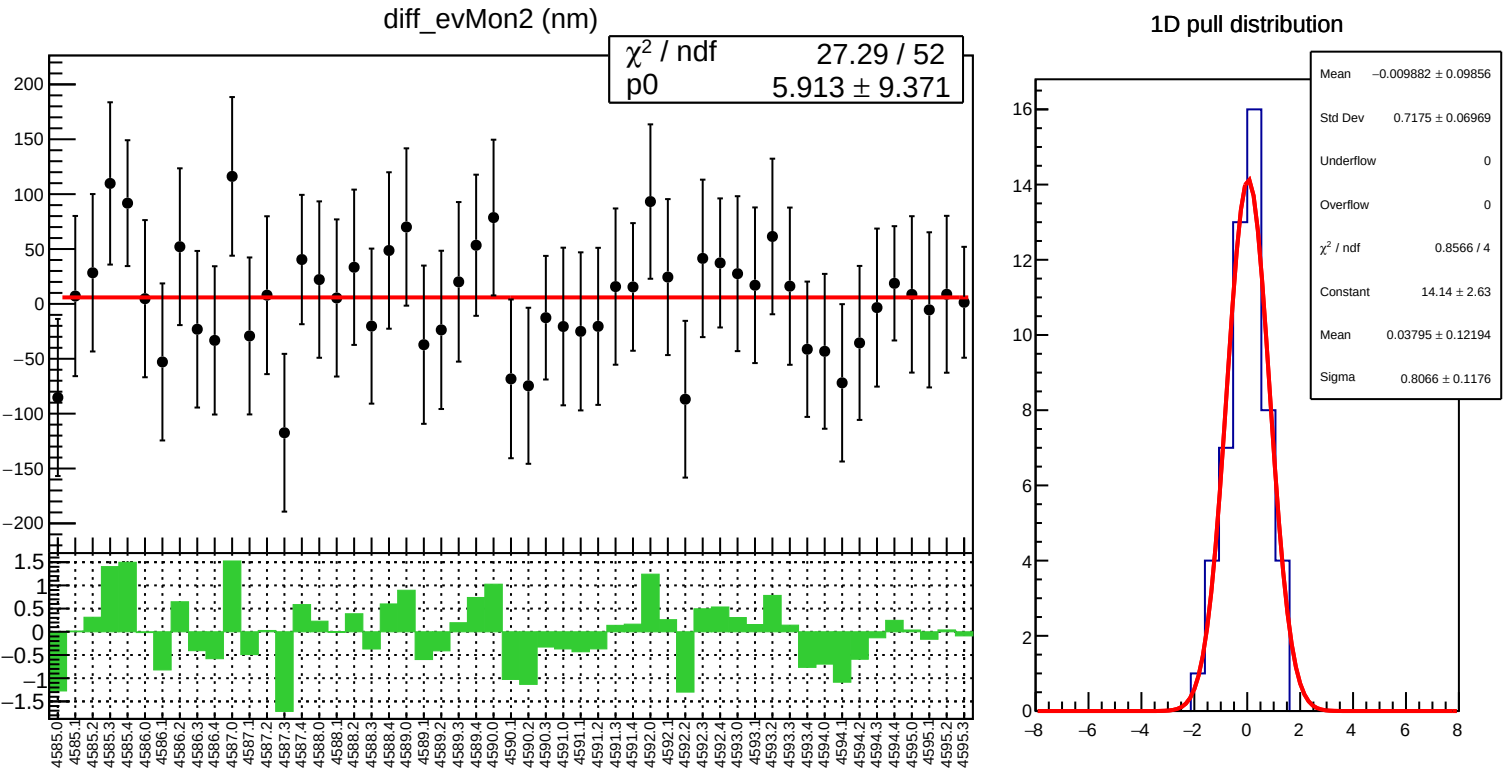

diff_evMon0 (nm)
χ² / ndf 48.44 / 52
p0 −23.44 ± 19.83
400
200
0
−200
−400
−600
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

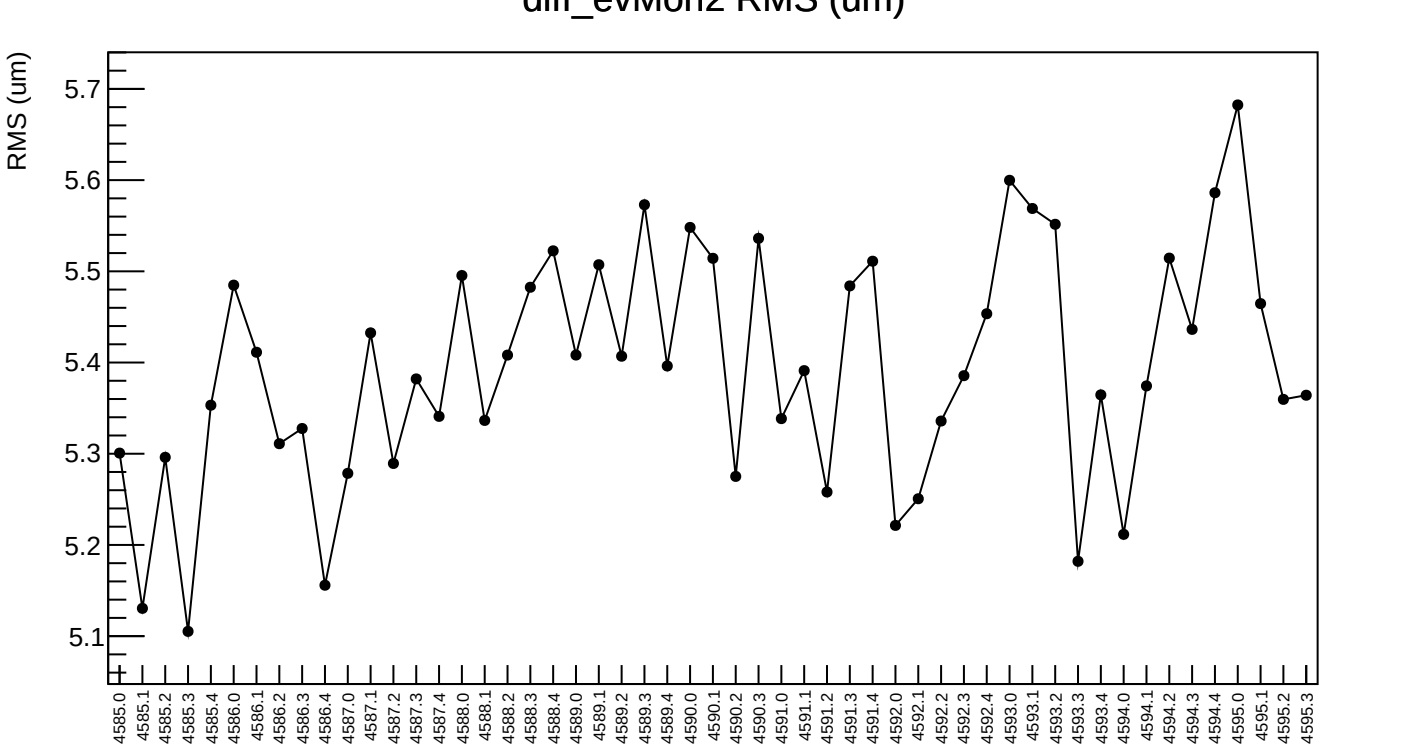

1D pull distribution
Mean −0.007578 ± 0.1313
Std Dev 0.956 ± 0.09285
Underflow 0
Overflow 0
χ² / ndf 2.07 / 6
Constant 10.25 ± 1.84
Mean 0.02882 ± 0.17054
Sigma 1.092 ± 0.148
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

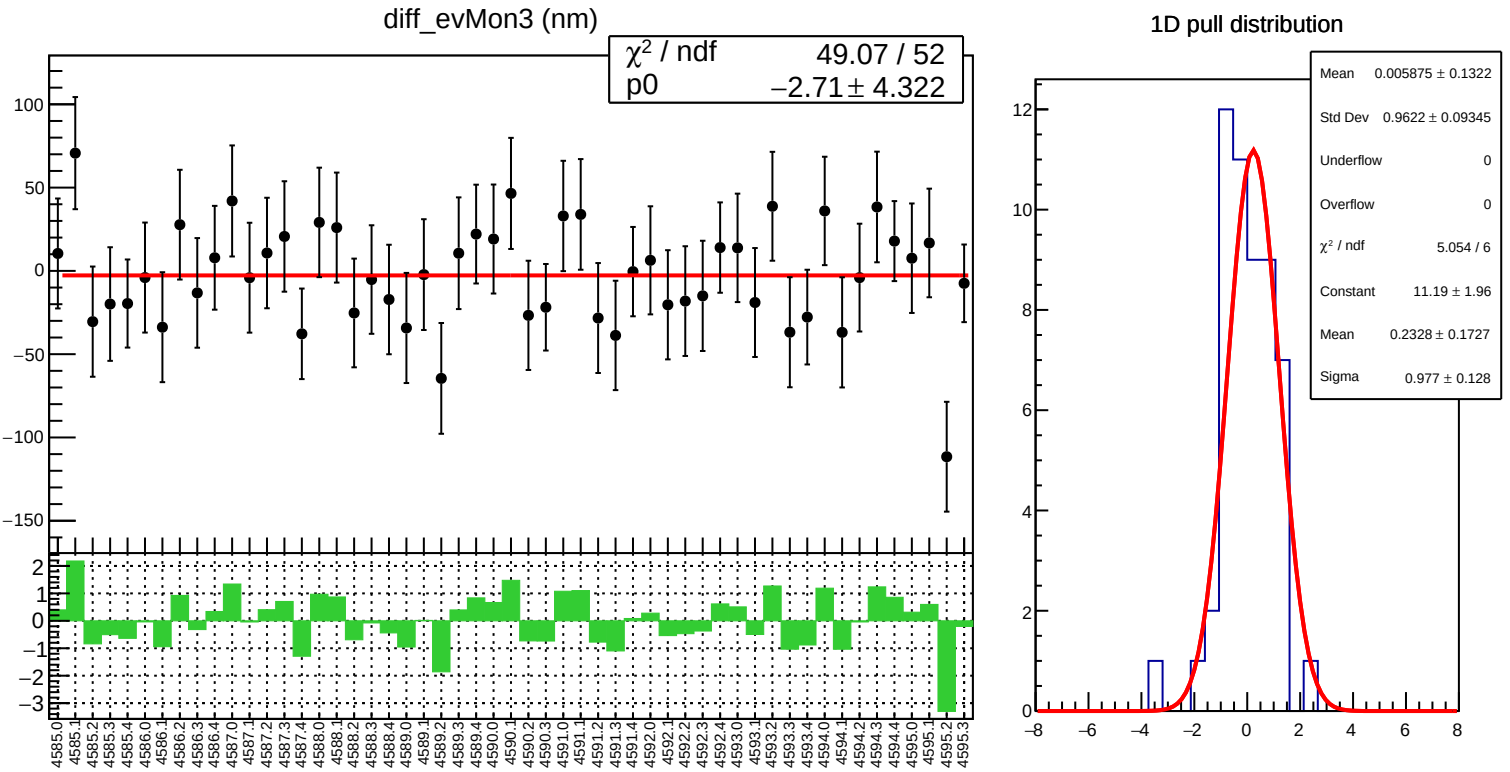

diff_evMon0 RMS (um)
RMS (um)
13.6
13.4
13.2
13
12.8
12.6
12.4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

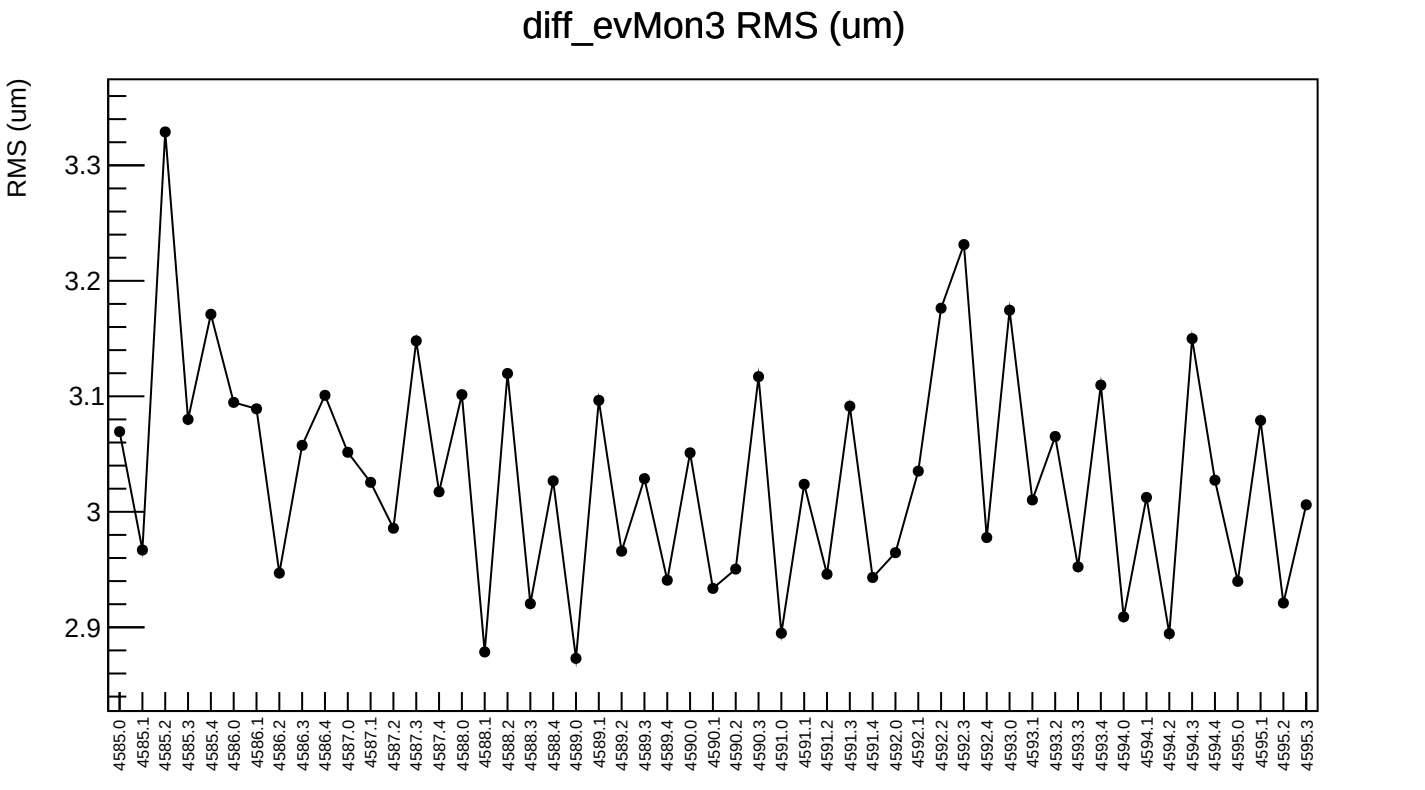

diff_evMon1 (nm)
χ² / ndf 74.33 / 52
p0 34.93 ± 12.95
1D pull distribution
Mean 0.003996 ± 0.1627
Std Dev 1.184 ± 0.115
Underflow 0
Overflow 0
χ² / ndf 2.058 / 7
Constant 8.923 ± 1.603
Mean −0.1209 ± 0.2217
Sigma 1.346 ± 0.200

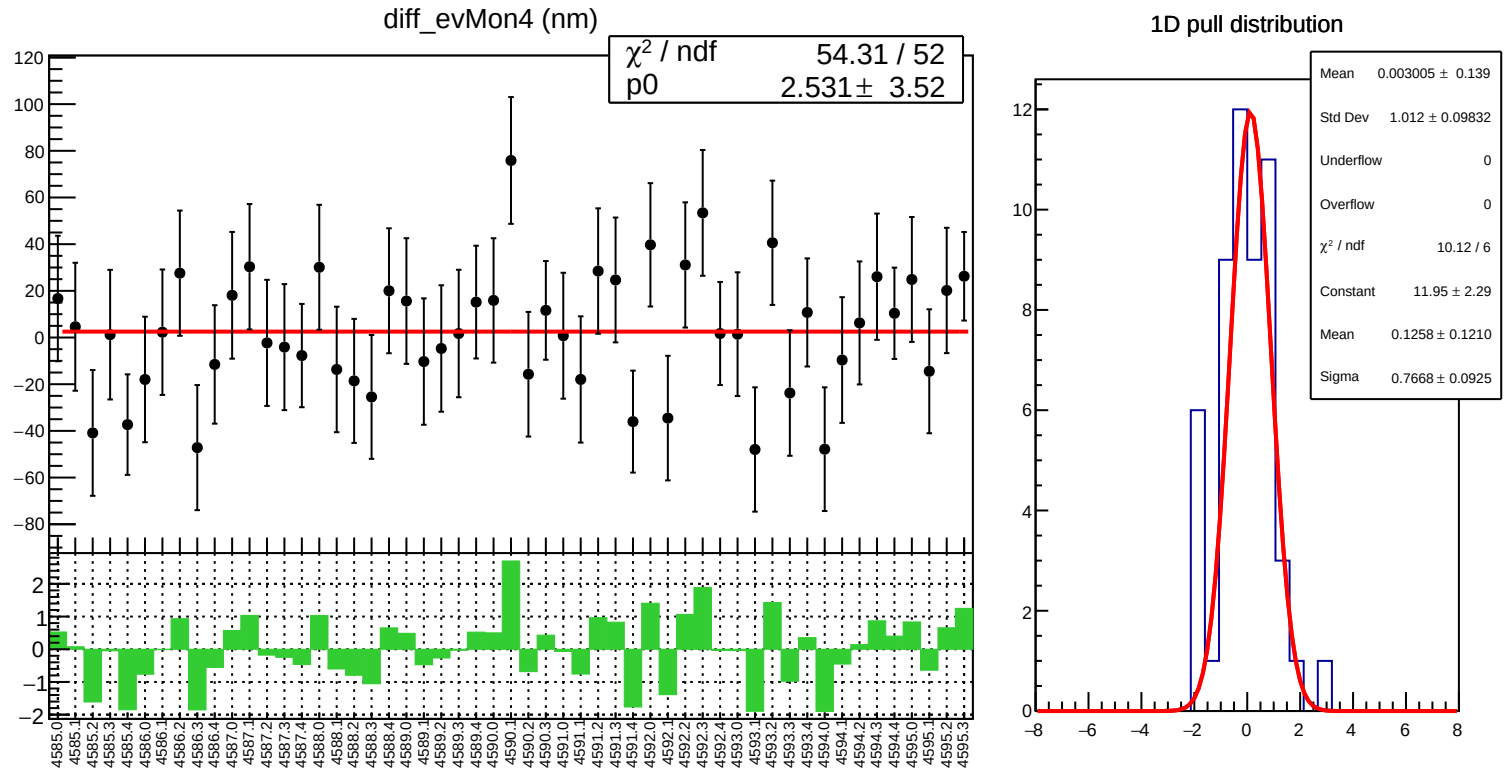

diff_evMon1 RMS (um)
RMS (um)
14.5
14
13.5
13
12.5
12
11.5
11
10.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

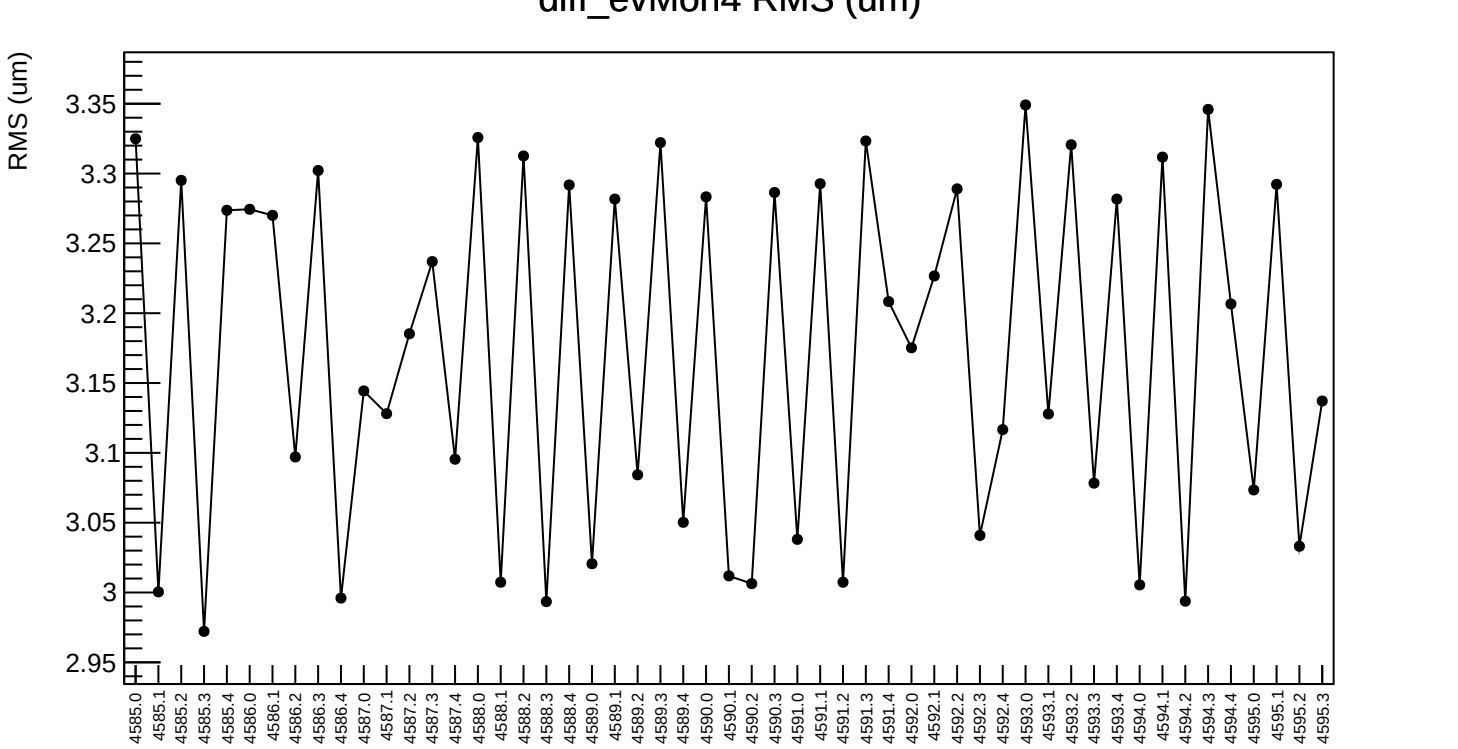

diff_evMon2 (nm)
χ² / ndf 27.29 / 52
p0 5.913 ± 9.371
1D pull distribution
Mean −0.009882 ± 0.09856
Std Dev 0.7175 ± 0.06969
Underflow 0
Overflow 0
χ² / ndf 0.8566 / 4
Constant 14.14 ± 2.63
Mean 0.03795 ± 0.12194
Sigma 0.8066 ± 0.1176

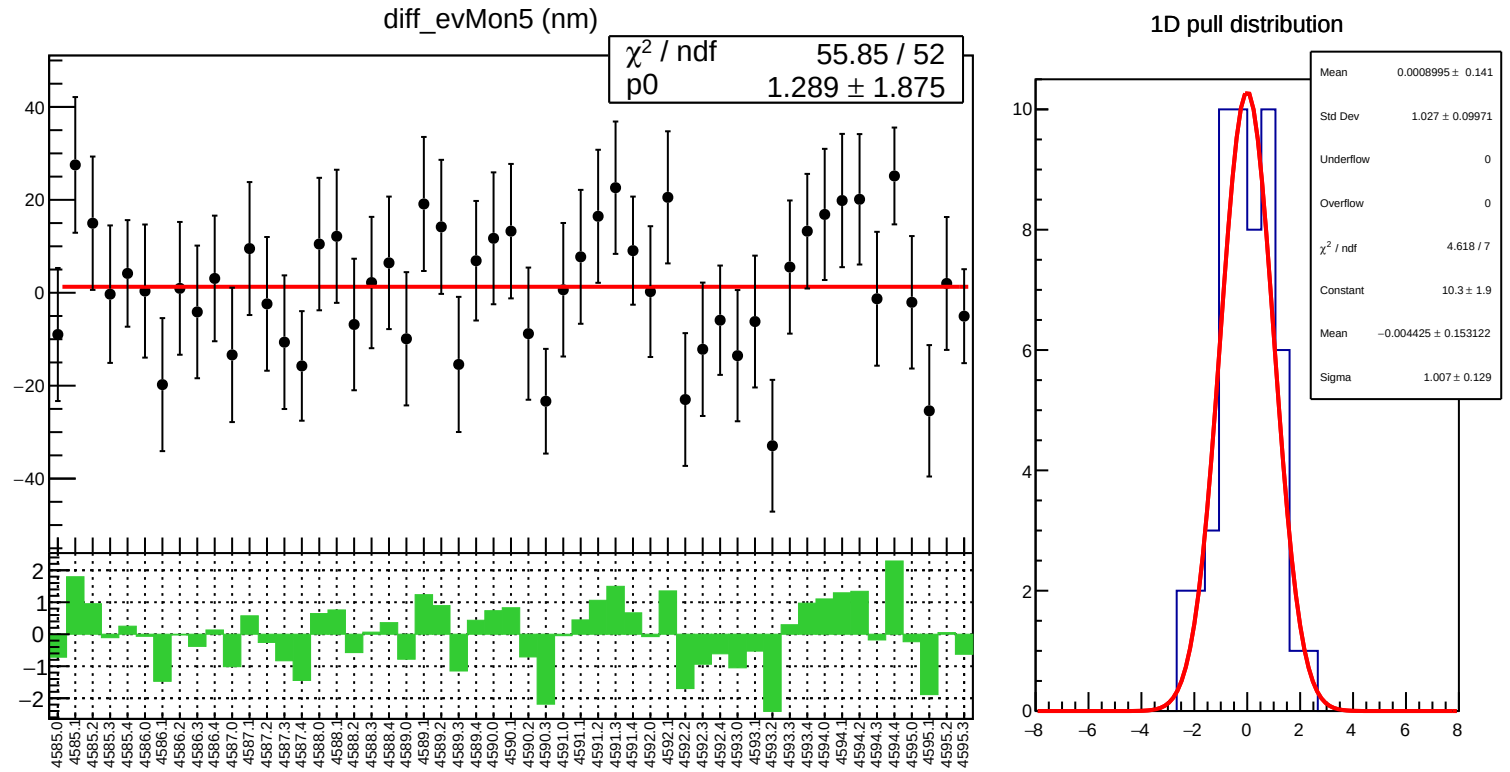

diff_evMon2 RMS (um)
RMS (um)
5.7
5.6
5.5
5.4
5.3
5.2
5.1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3


diff_evMon3 (nm)
χ² / ndf 49.07 / 52
p0 −2.71 ± 4.322
1D pull distribution
Mean 0.005875 ± 0.1322
Std Dev 0.9622 ± 0.09345
Underflow 0
Overflow 0
χ² / ndf 5.054 / 6
Constant 11.19 ± 1.96
Mean 0.2328 ± 0.1727
Sigma 0.977 ± 0.128

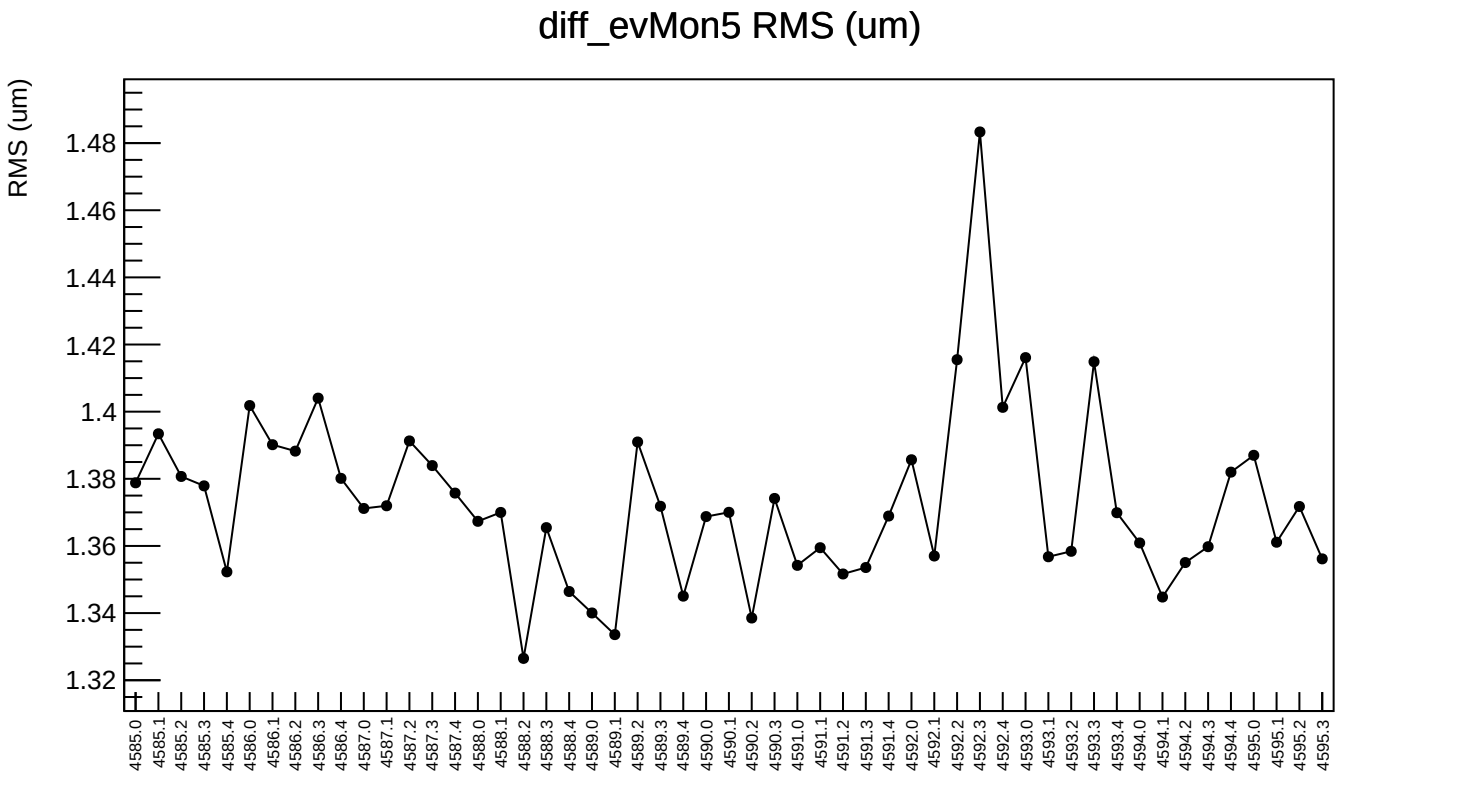

diff_evMon3 RMS (um)
RMS (um)
3.3
3.2
3.1
3
2.9
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

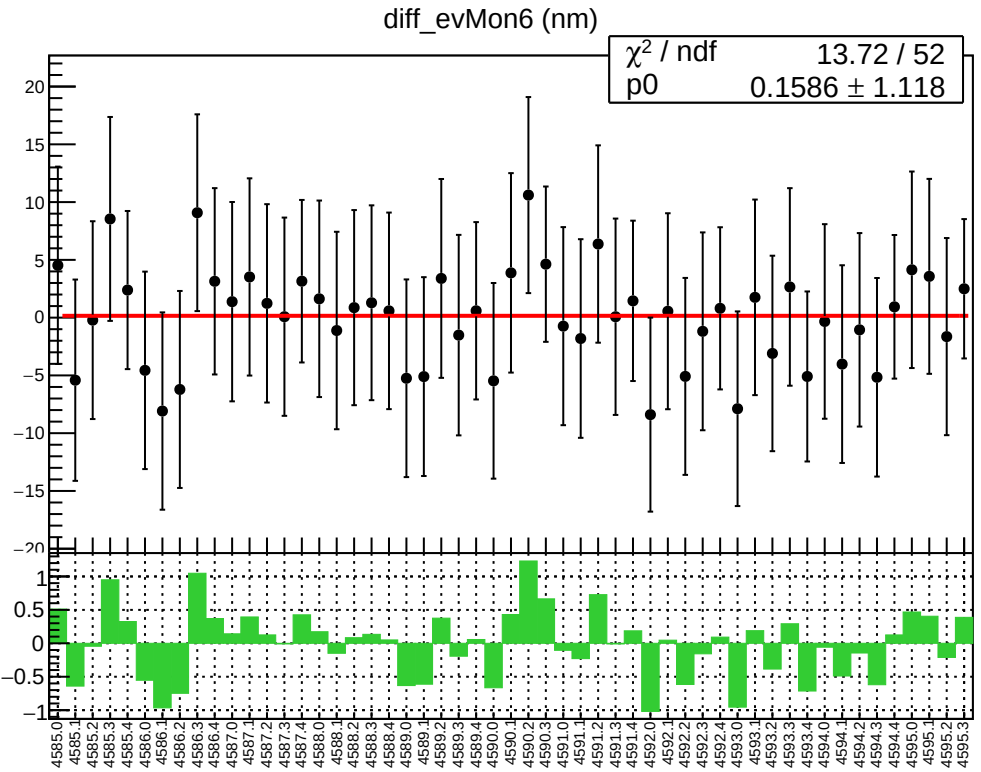

diff_evMon4 (nm)
χ² / ndf 54.31 / 52
p0 2.531± 3.52
1D pull distribution
Mean 0.003005 ± 0.139
Std Dev 1.012 ± 0.09832
Underflow 0
Overflow 0
χ² / ndf 10.12 / 6
Constant 11.95 ± 2.29
Mean 0.1258 ± 0.1210
Sigma 0.7668 ± 0.0925

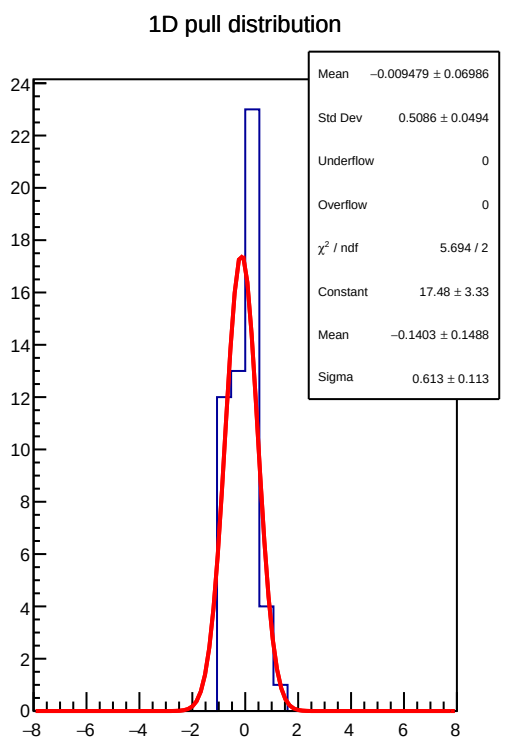

diff_evMon4 RMS (um)
RMS (um)
3.35
3.3
3.25
3.2
3.15
3.1
3.05
3
2.95
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

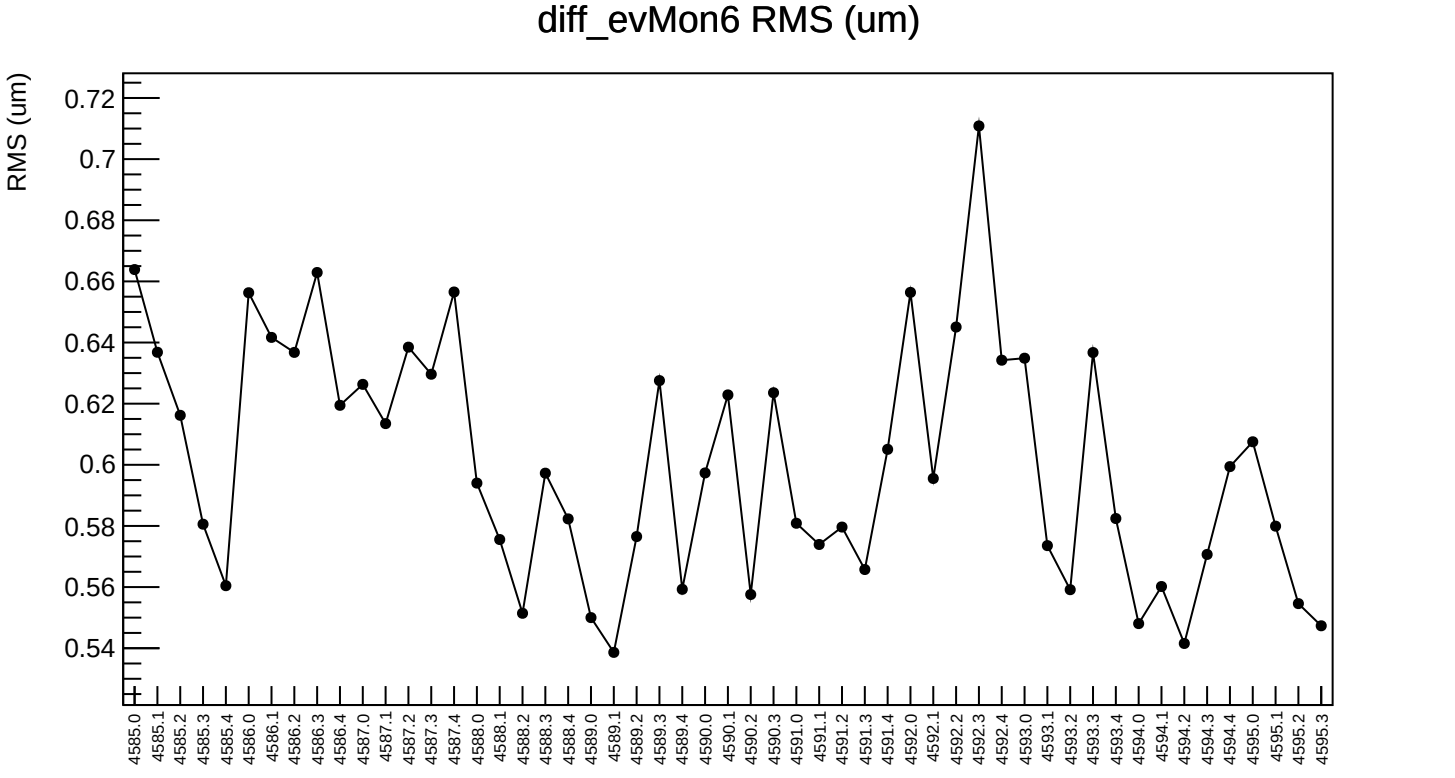

diff_evMon5 (nm)
χ² / ndf 55.85 / 52
p0 1.289 ± 1.875
40
20
0
−20
−40
2
1
0
−1
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

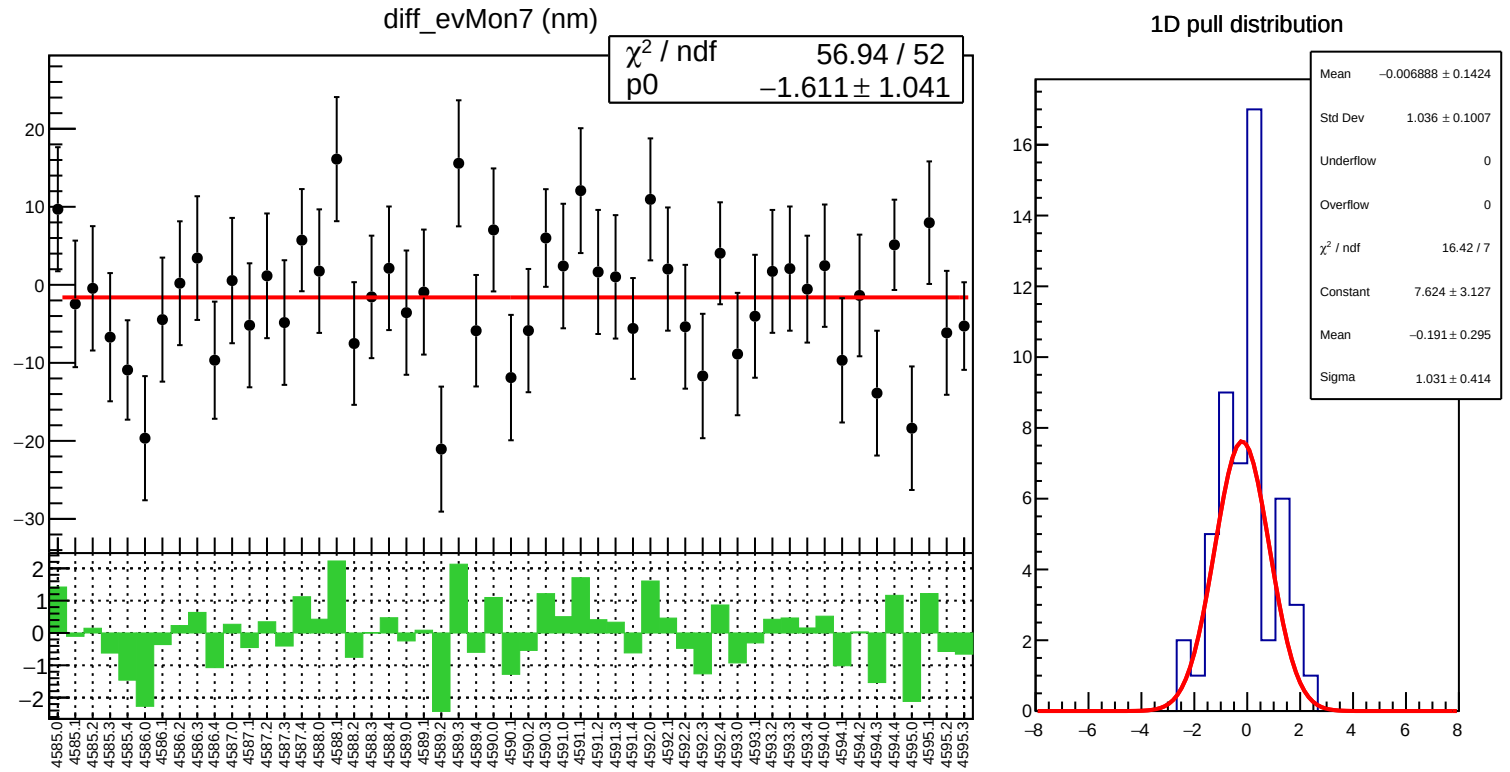
1D pull distribution
Mean 0.0008995 ± 0.141
Std Dev 1.027 ± 0.09971
Underflow 0
Overflow 0
χ² / ndf 4.618 / 7
Constant 10.3 ± 1.9
Mean −0.004425 ± 0.153122
Sigma 1.007 ± 0.129
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

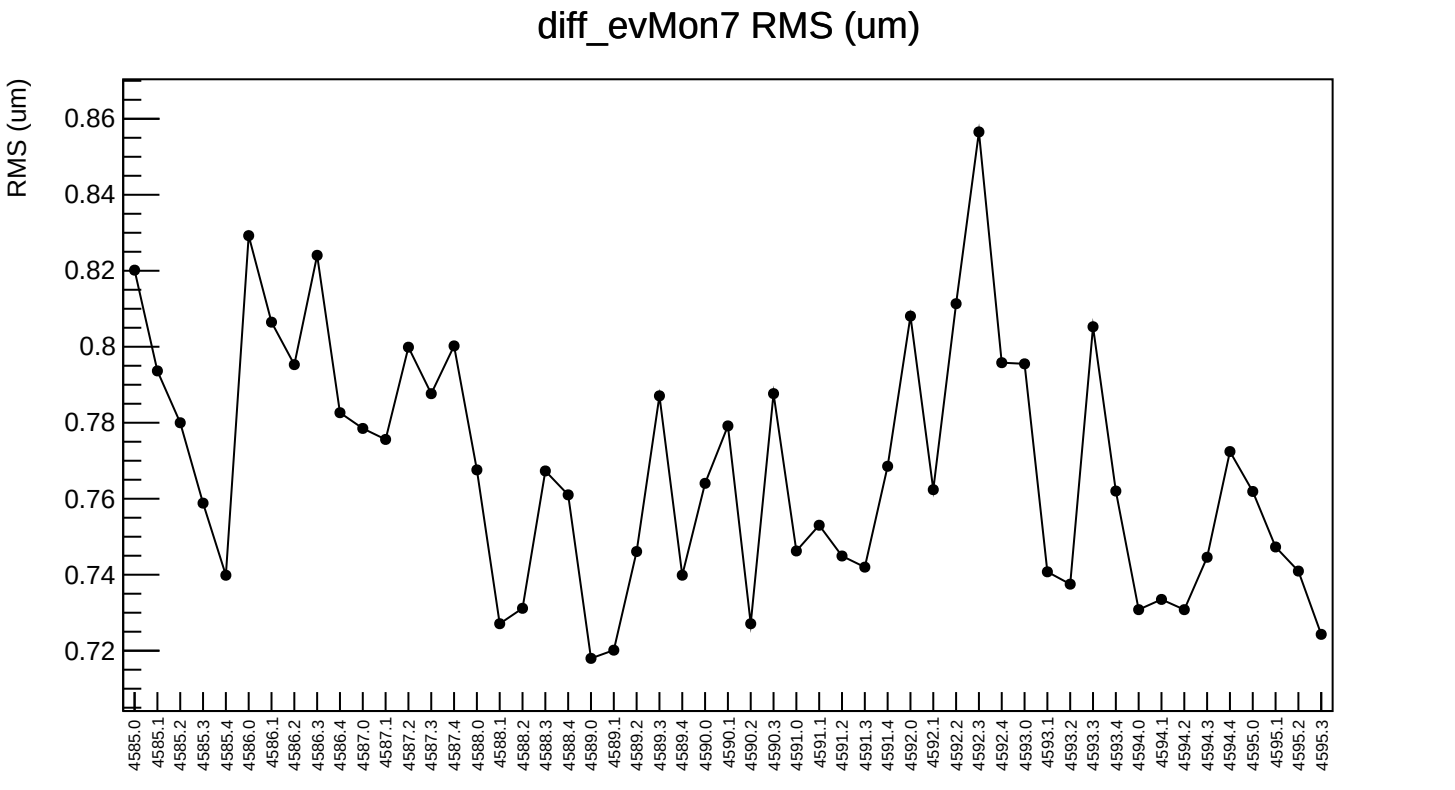

diff_evMon5 RMS (um)
RMS (um)
1.48
1.46
1.44
1.42
1.4
1.38
1.36
1.34
1.32
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

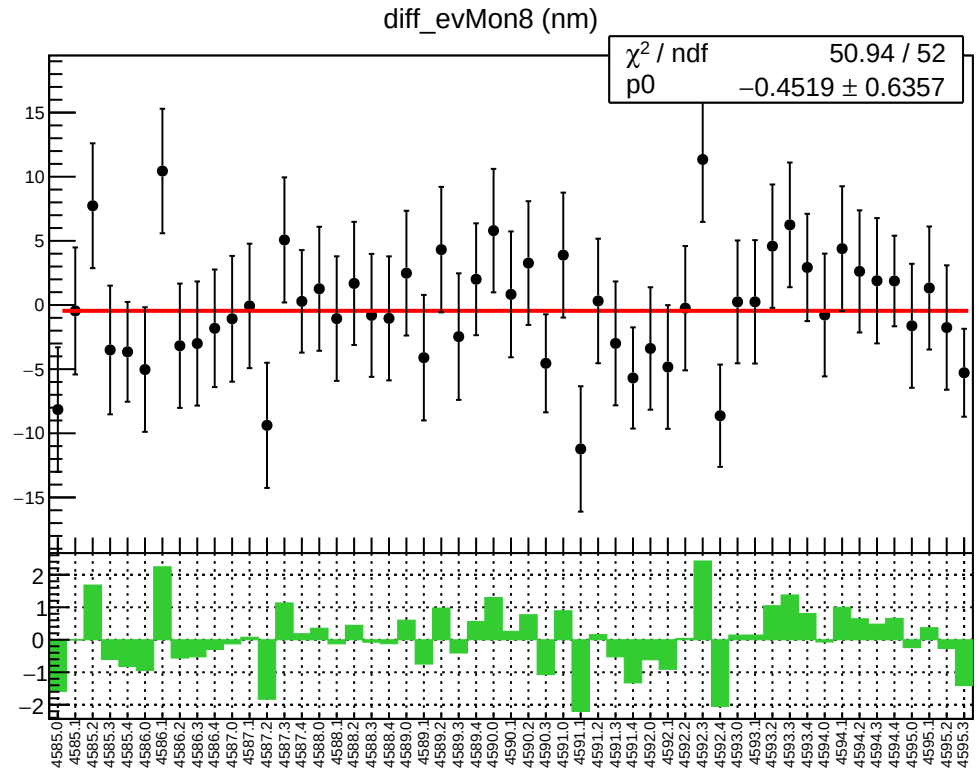

diff_evMon6 (nm)
χ² / ndf 13.72 / 52
p0 0.1586 ± 1.118

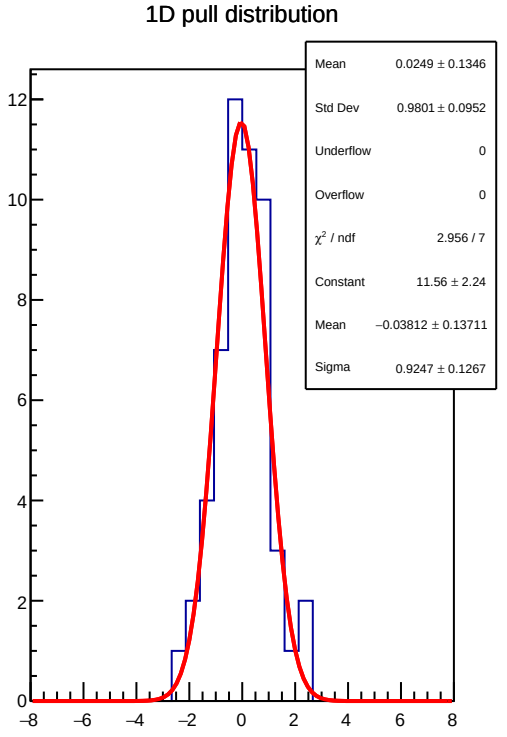

1D pull distribution
Mean −0.009479 ± 0.06986
Std Dev 0.5086 ± 0.0494
Underflow 0
Overflow 0
χ² / ndf 5.694 / 2
Constant 17.48 ± 3.33
Mean −0.1403 ± 0.1488
Sigma 0.613 ± 0.113

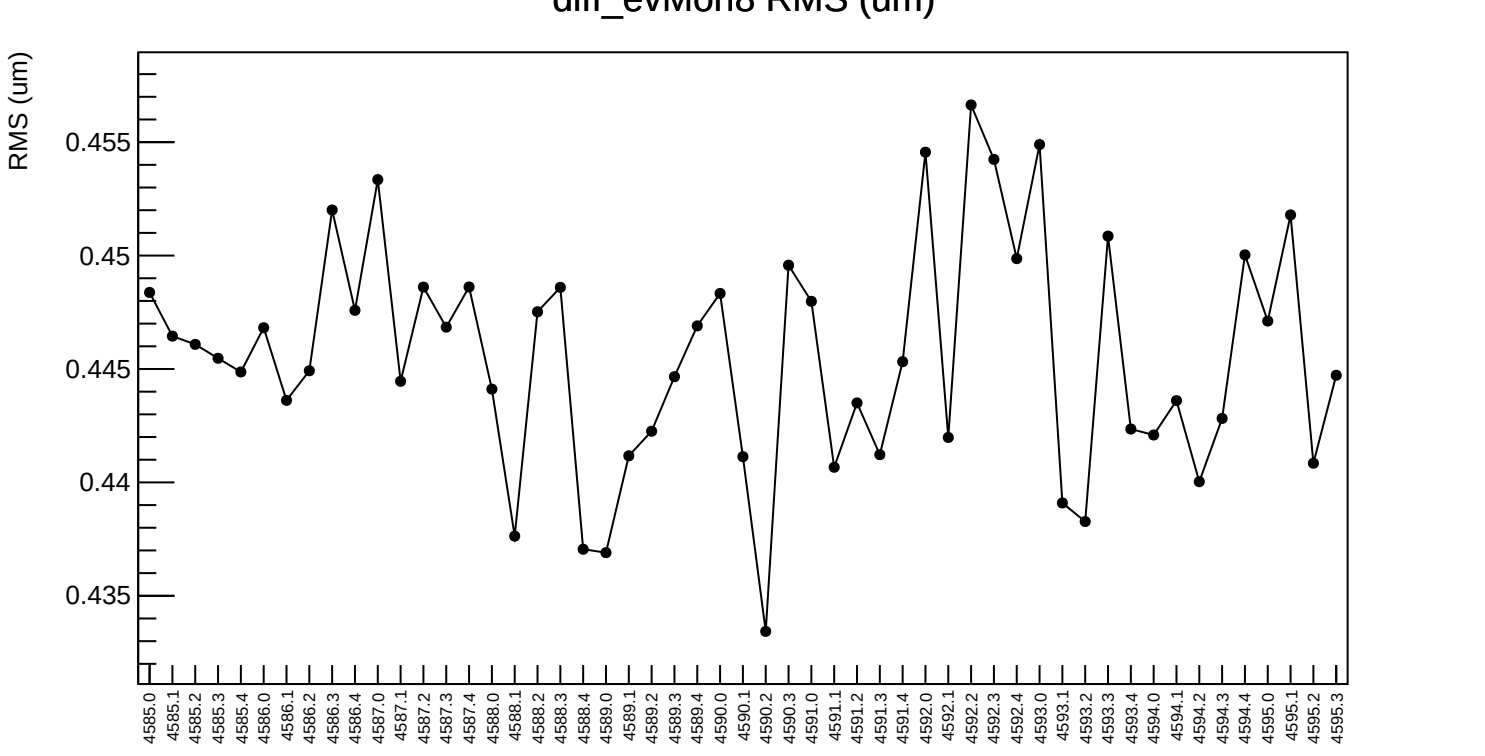

diff_evMon6 RMS (um)
RMS (um)
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

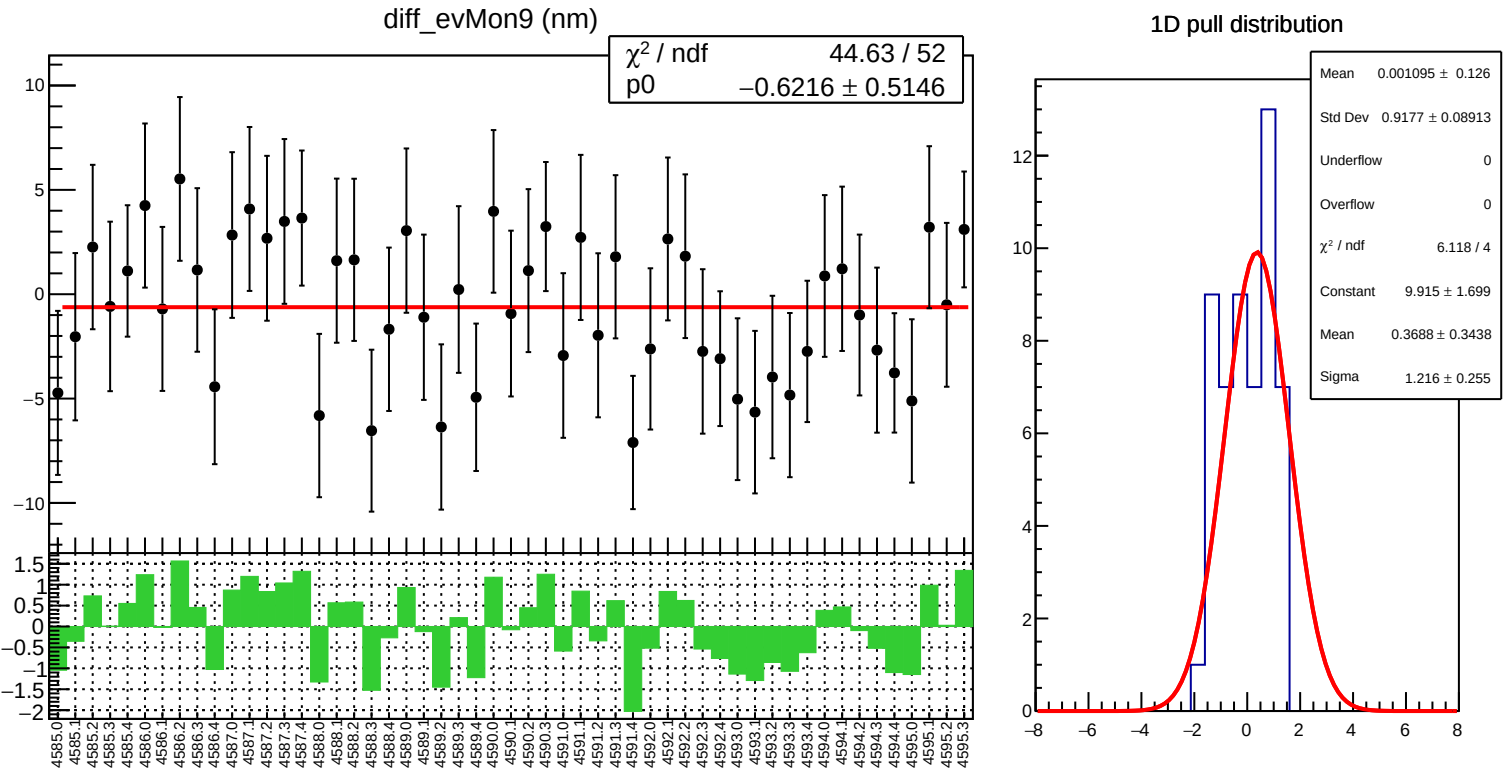

diff_evMon7 (nm)
χ² / ndf 56.94 / 52
p0 −1.611 ± 1.041
1D pull distribution
Mean −0.006888 ± 0.1424
Std Dev 1.036 ± 0.1007
Underflow 0
Overflow 0
χ² / ndf 16.42 / 7
Constant 7.624 ± 3.127
Mean −0.191 ± 0.295
Sigma 1.031 ± 0.414

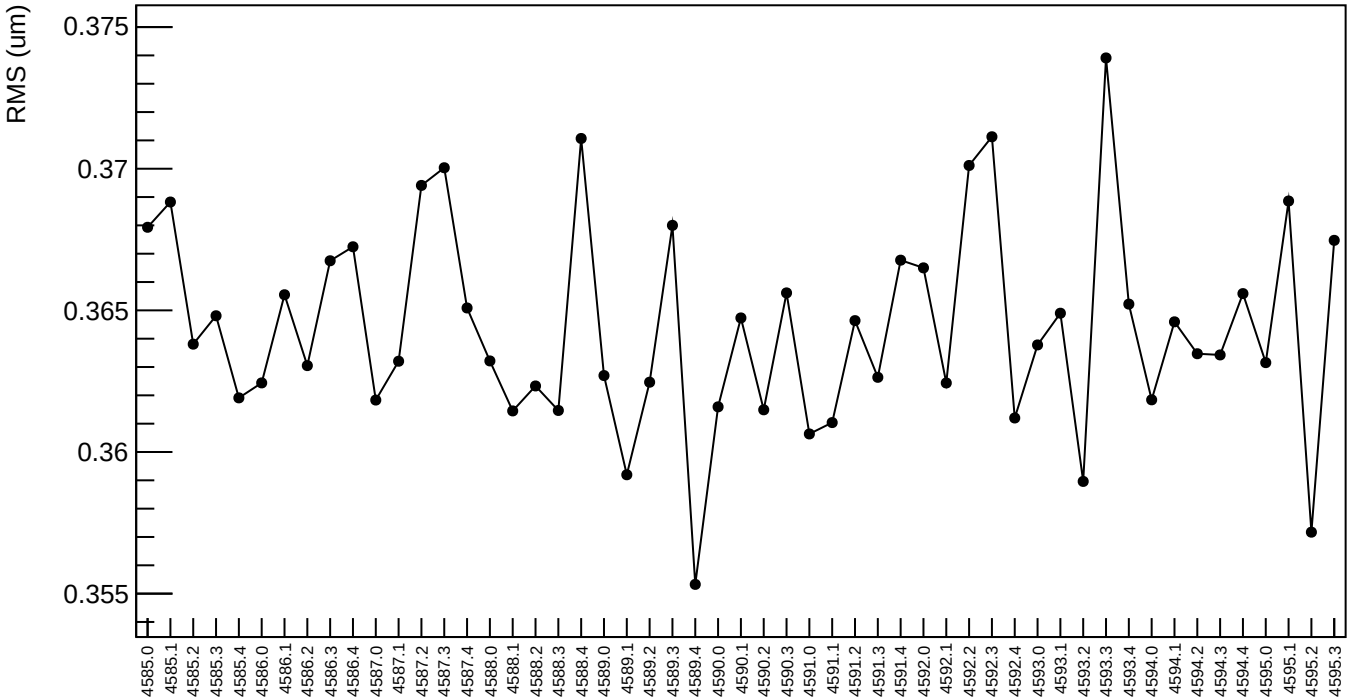

diff_evMon7 RMS (um)
RMS (um)
0.86
0.84
0.82
0.8
0.78
0.76
0.74
0.72
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

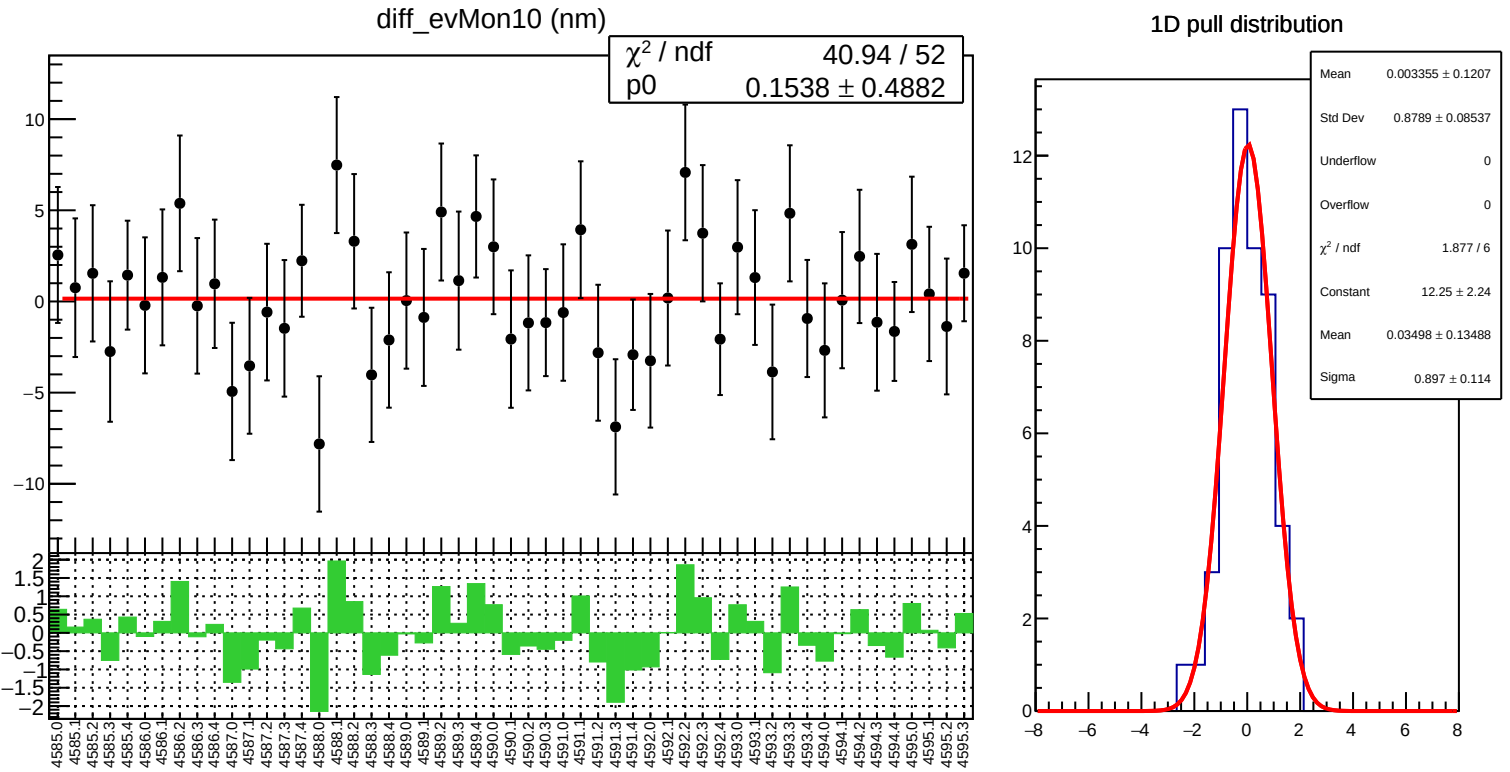

diff_evMon8 (nm)
χ² / ndf 50.94 / 52
p0 −0.4519 ± 0.6357
15
10
5
0
−5
−10
−15
2
1
0
−1
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

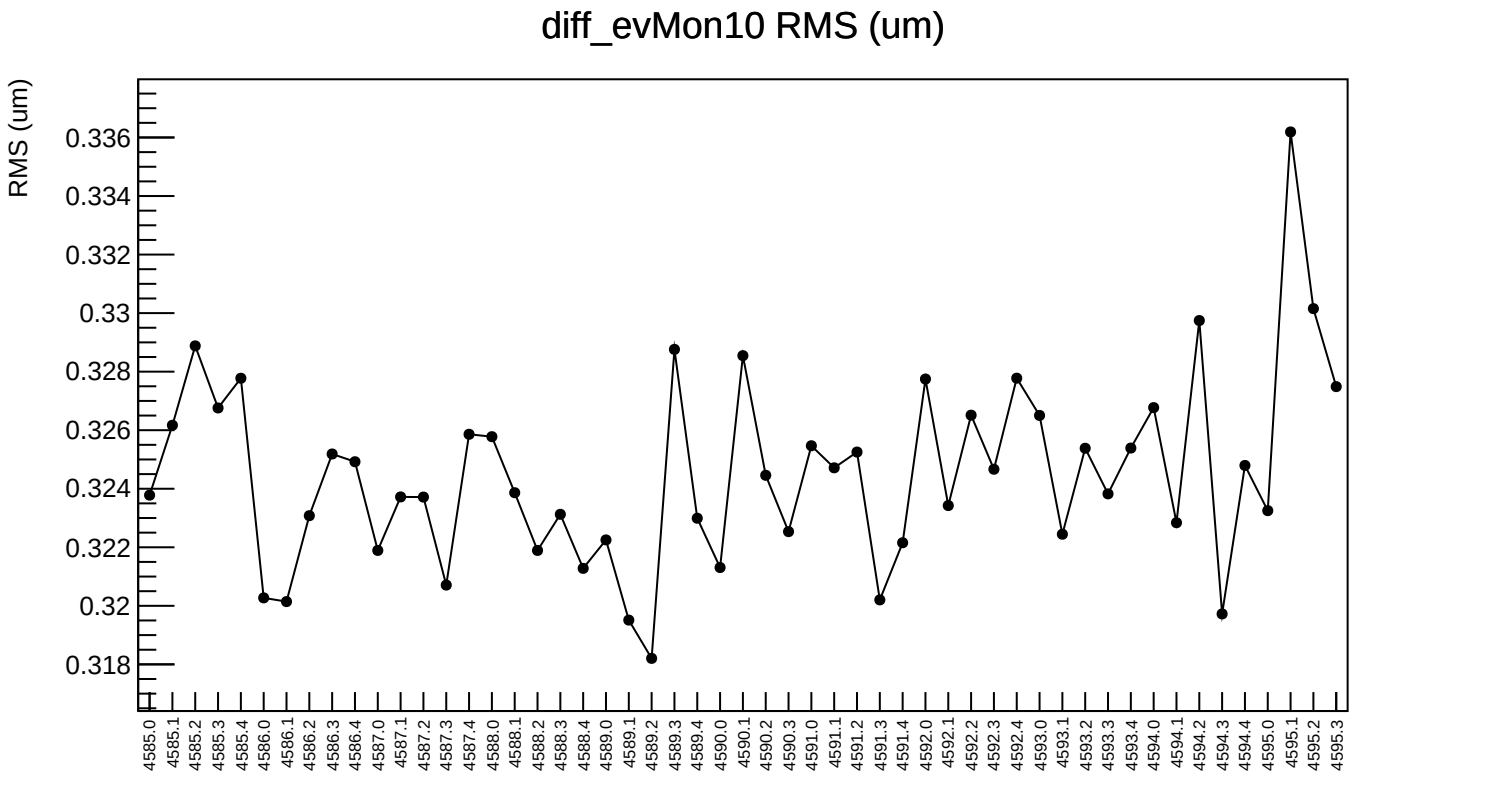

1D pull distribution
Mean 0.0249 ± 0.1346
Std Dev 0.9801 ± 0.0952
Underflow 0
Overflow 0
χ² / ndf 2.956 / 7
Constant 11.56 ± 2.24
Mean −0.03812 ± 0.13711
Sigma 0.9247 ± 0.1267
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

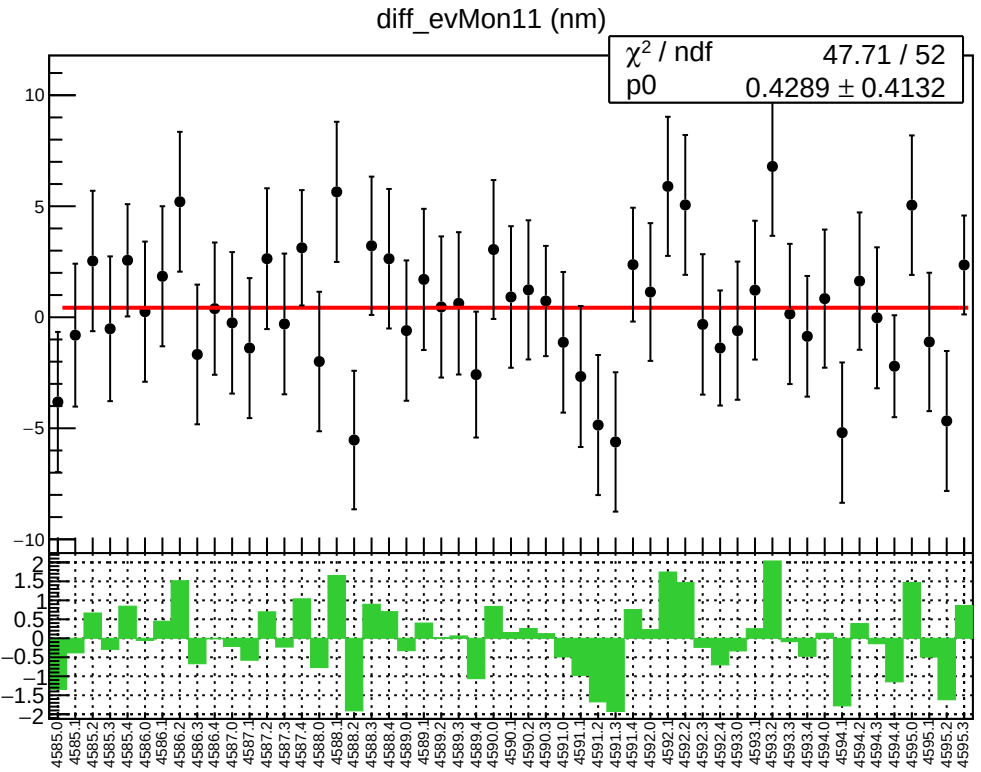

diff_evMon8 RMS (um)
RMS (um)
0.455
0.45
0.445
0.44
0.435
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

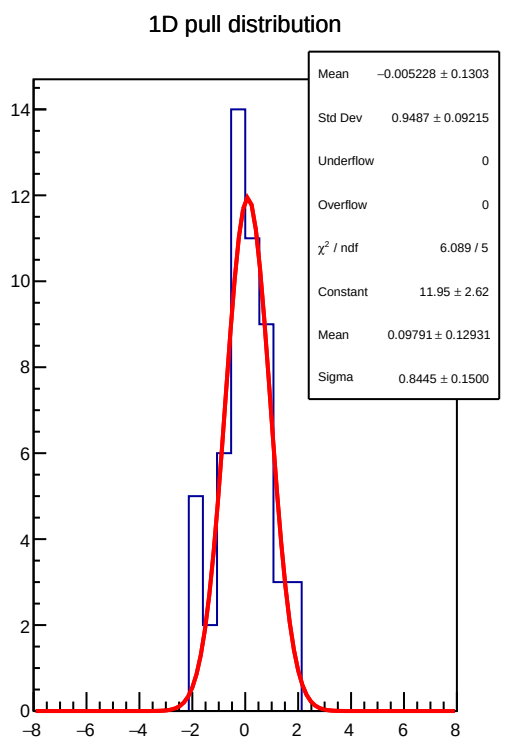

diff_evMon9 (nm)
χ² / ndf 44.63 / 52
p0 −0.6216 ± 0.5146
1D pull distribution
Mean 0.001095 ± 0.126
Std Dev 0.9177 ± 0.08913
Underflow 0
Overflow 0
χ² / ndf 6.118 / 4
Constant 9.915 ± 1.699
Mean 0.3688 ± 0.3438
Sigma 1.216 ± 0.255

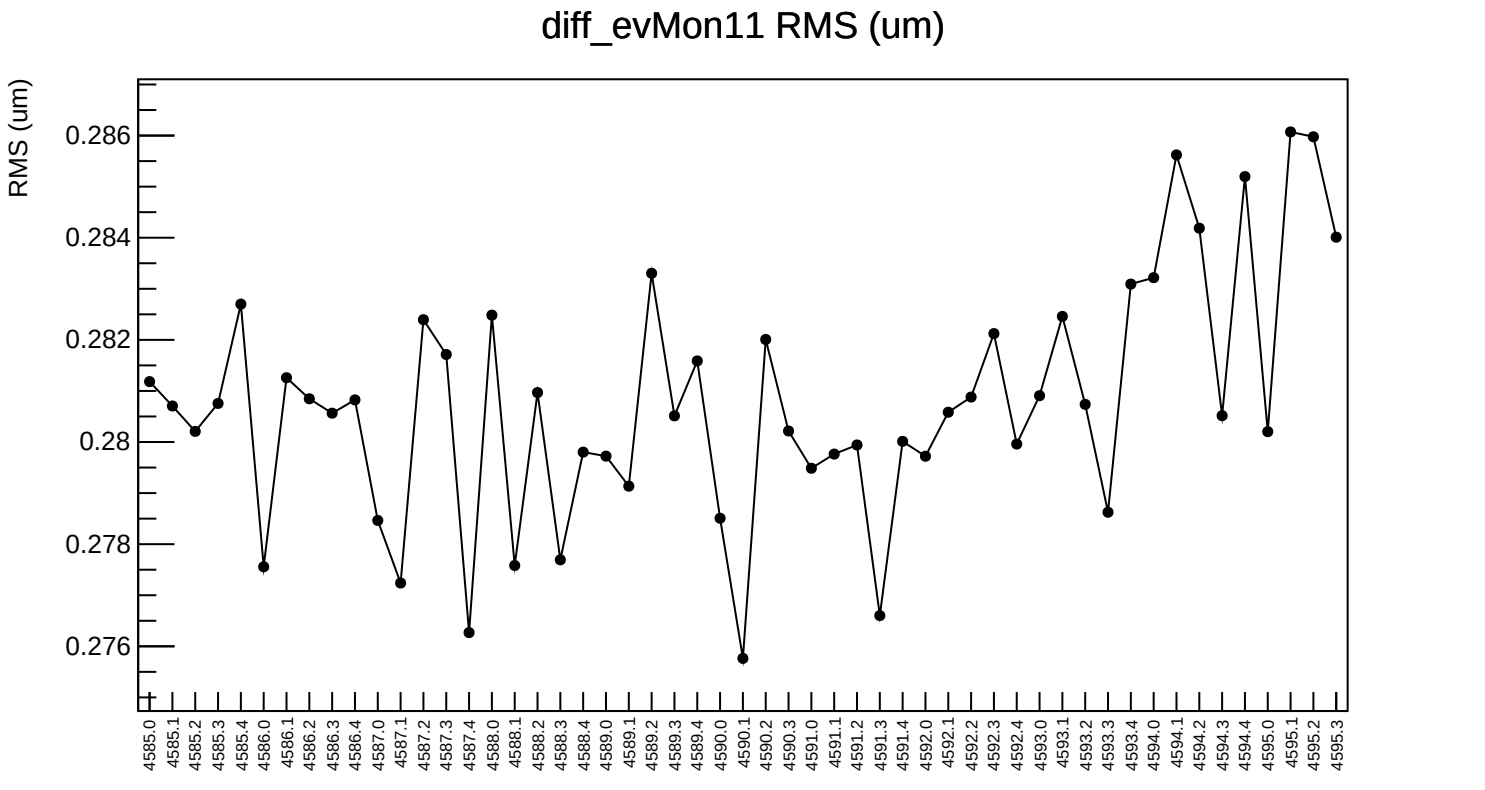

diff_evMon9 RMS (um)
RMS (um)
0.375
0.37
0.365
0.36
0.355
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

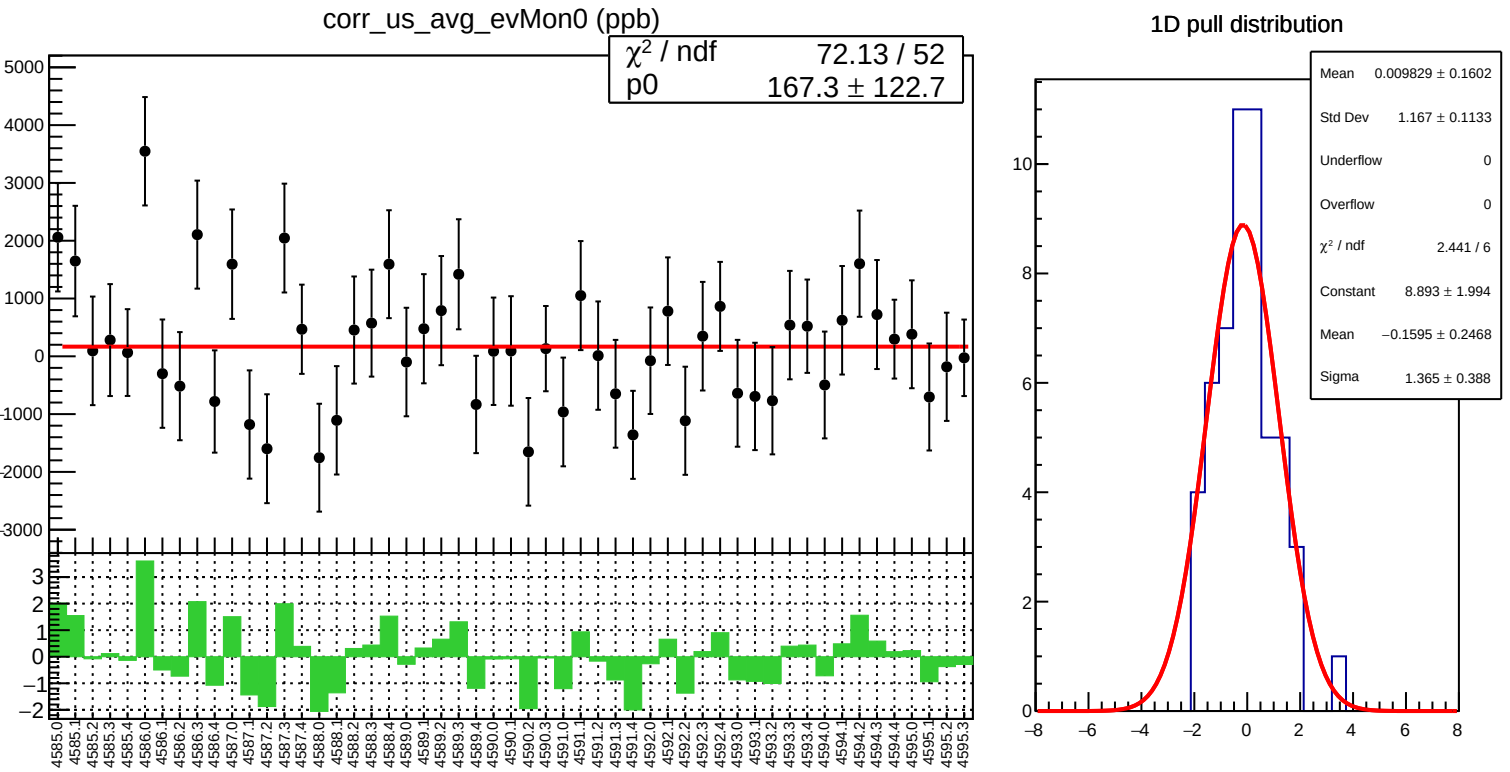

diff_evMon10 (nm)
χ² / ndf 40.94 / 52
p0 0.1538 ± 0.4882
1D pull distribution
Mean 0.003355 ± 0.1207
Std Dev 0.8789 ± 0.08537
Underflow 0
Overflow 0
χ² / ndf 1.877 / 6
Constant 12.25 ± 2.24
Mean 0.03498 ± 0.13488
Sigma 0.897 ± 0.114

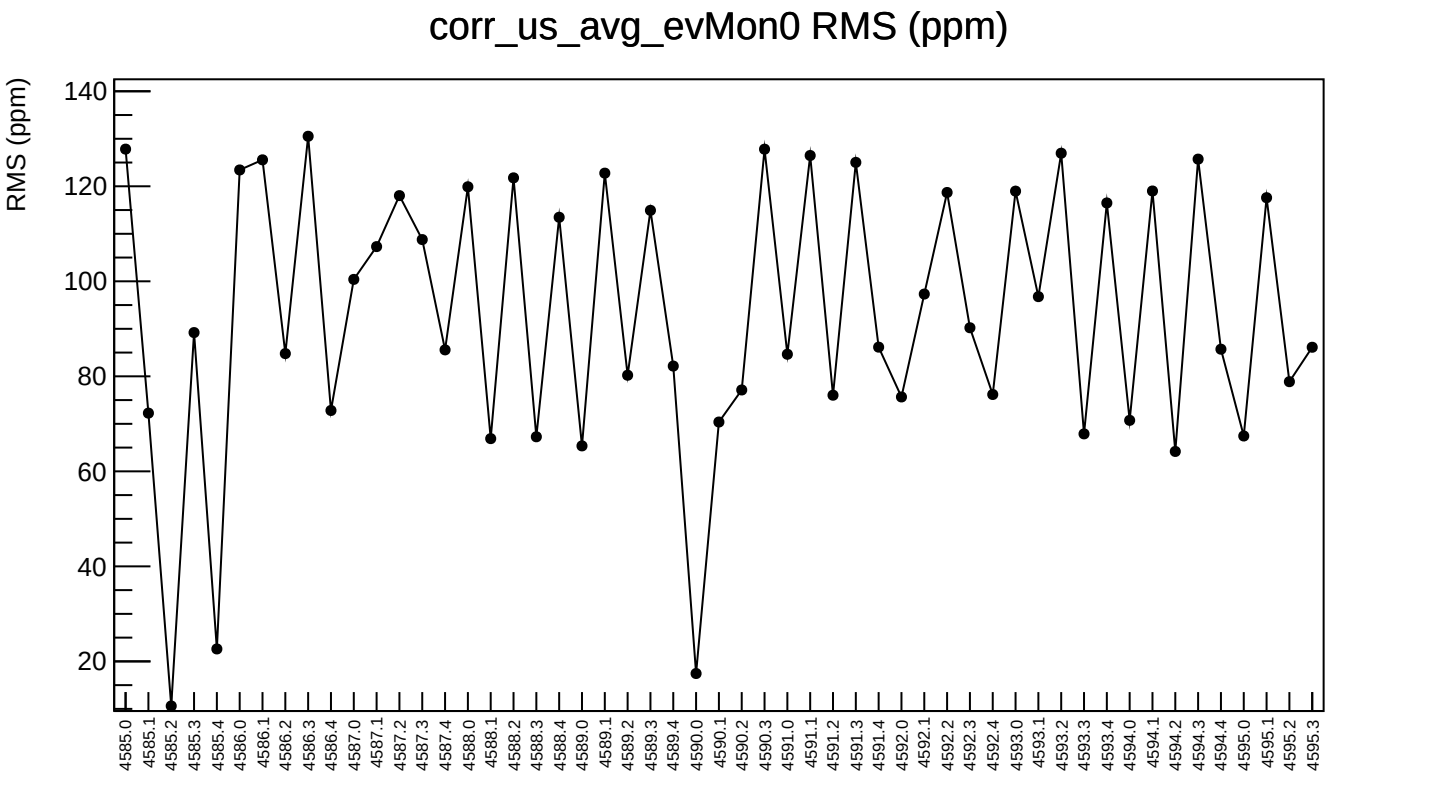

diff_evMon10 RMS (um)
RMS (um)
0.336
0.334
0.332
0.33
0.328
0.326
0.324
0.322
0.32
0.318
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

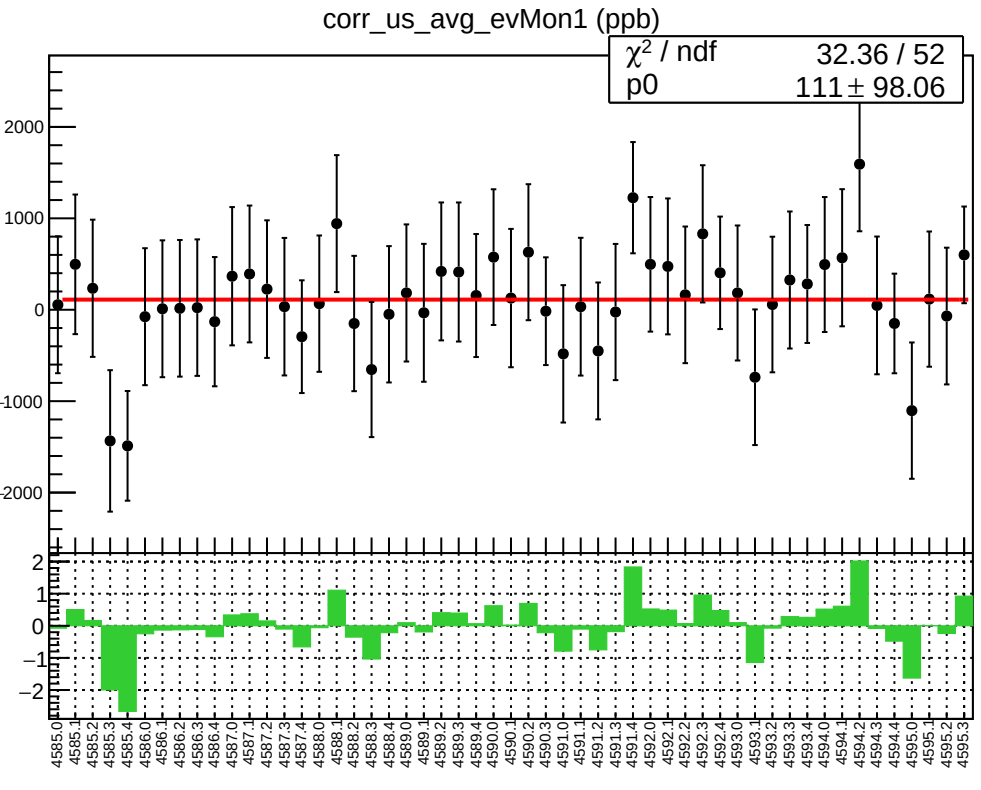

diff_evMon11 (nm)
χ² / ndf 47.71 / 52
p0 0.4289 ± 0.4132

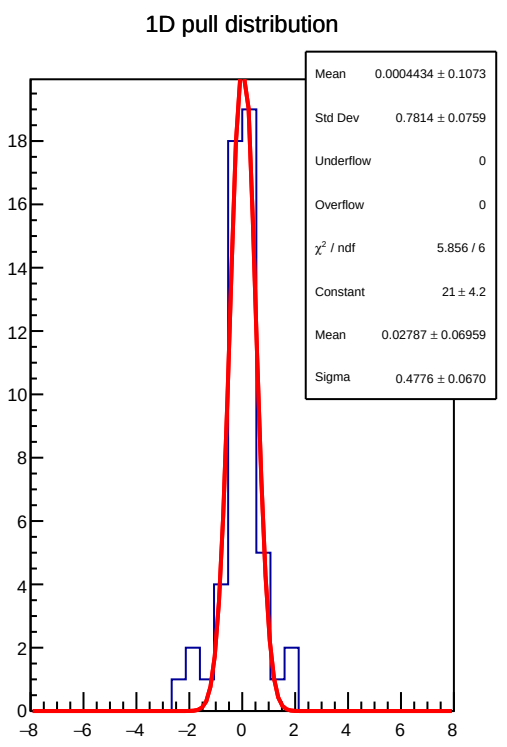

1D pull distribution
Mean −0.005228 ± 0.1303
Std Dev 0.9487 ± 0.09215
Underflow 0
Overflow 0
χ² / ndf 6.089 / 5
Constant 11.95 ± 2.62
Mean 0.09791 ± 0.12931
Sigma 0.8445 ± 0.1500

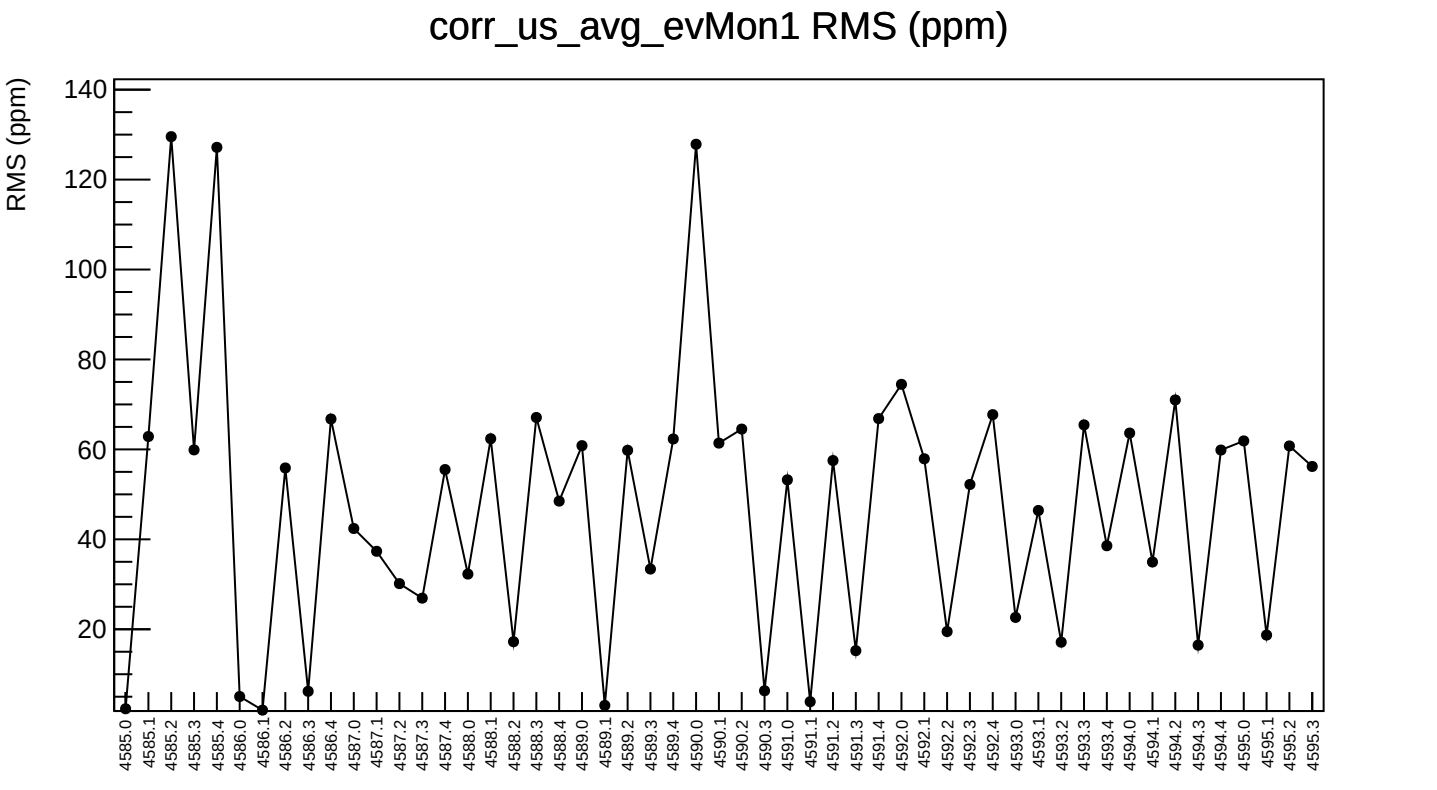

diff_evMon11 RMS (um)
RMS (um)
0.286
0.284
0.282
0.28
0.278
0.276
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

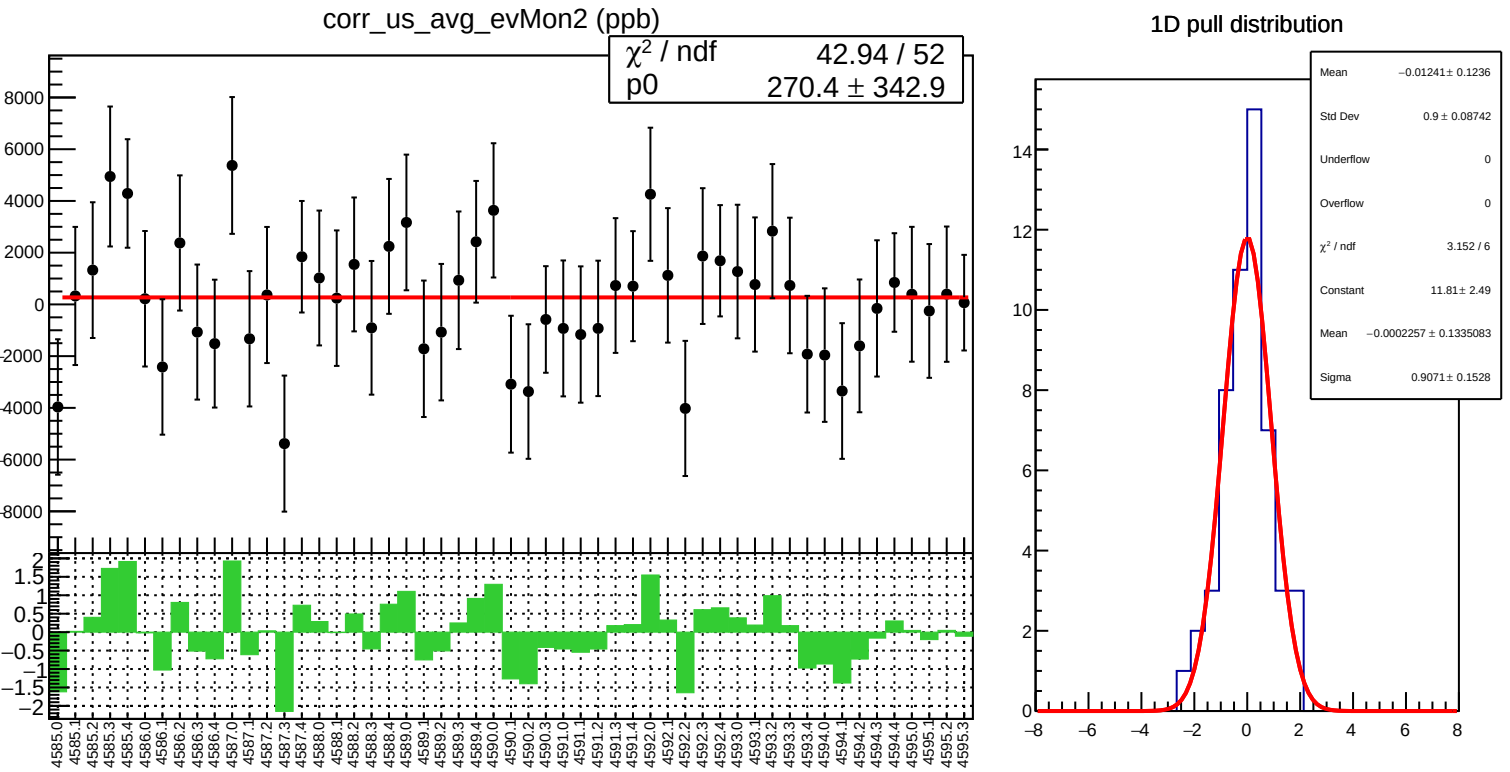

corr_us_avg_evMon0 (ppb)
χ² / ndf 72.13 / 52
p0 167.3 ± 122.7
1D pull distribution
Mean 0.009829 ± 0.1602
Std Dev 1.167 ± 0.1133
Underflow 0
Overflow 0
χ² / ndf 2.441 / 6
Constant 8.893 ± 1.994
Mean −0.1595 ± 0.2468
Sigma 1.365 ± 0.388

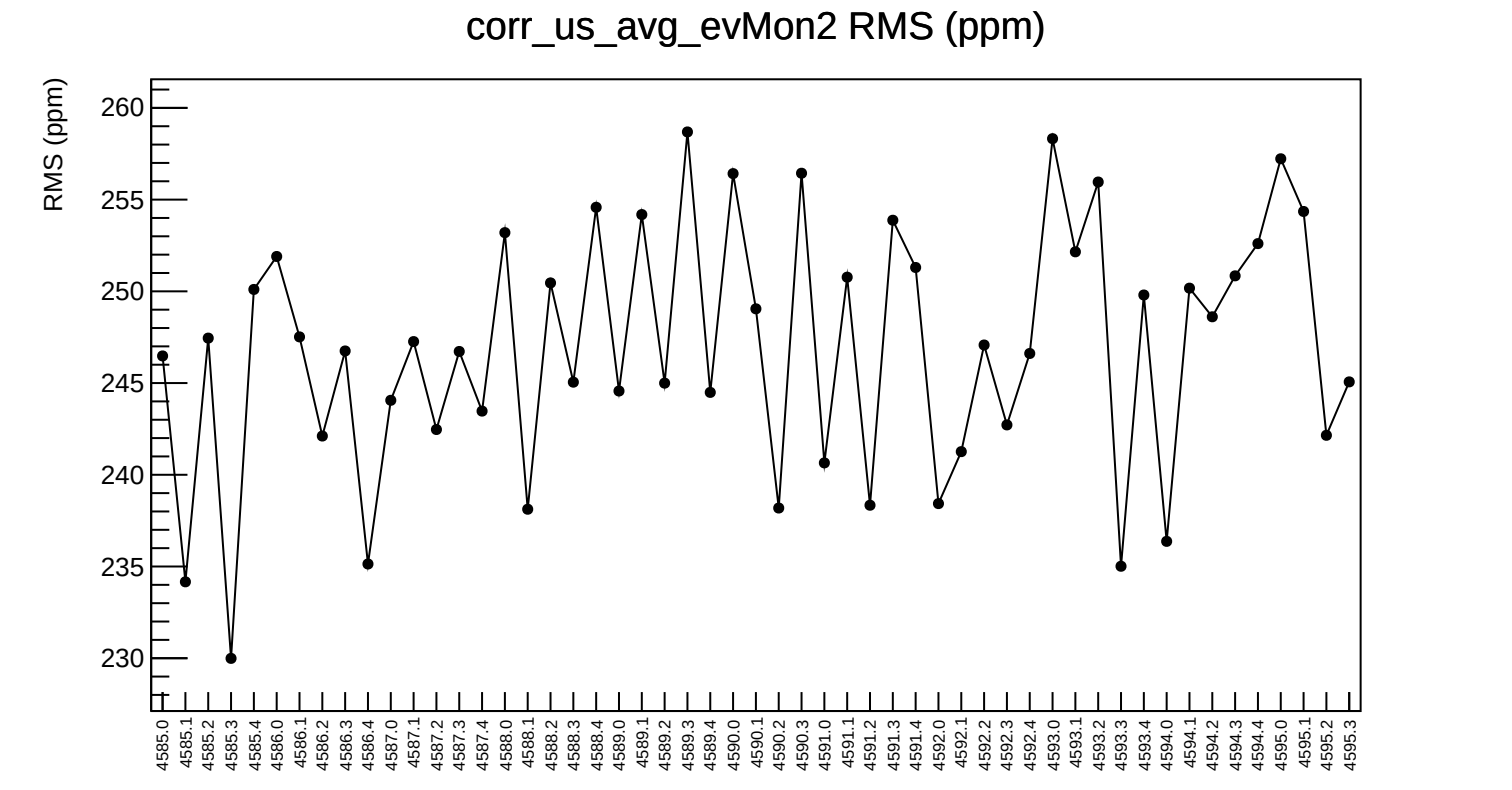

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
140
120
100
80
60
40
20
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

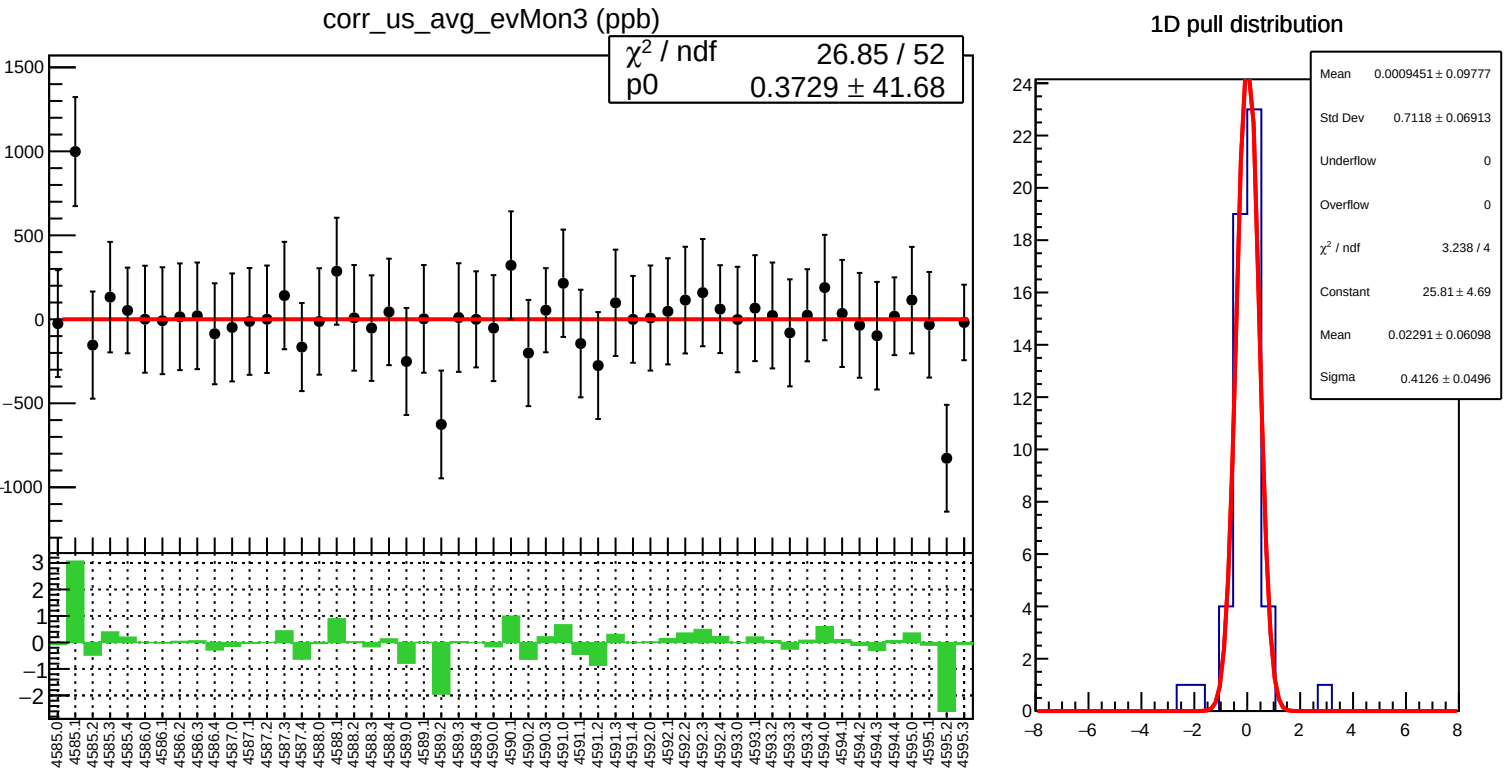

corr_us_avg_evMon1 (ppb)
χ² / ndf 32.36 / 52
p0 111 ± 98.06
2000
1000
0
-1000
-2000
2
1
0
−1
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

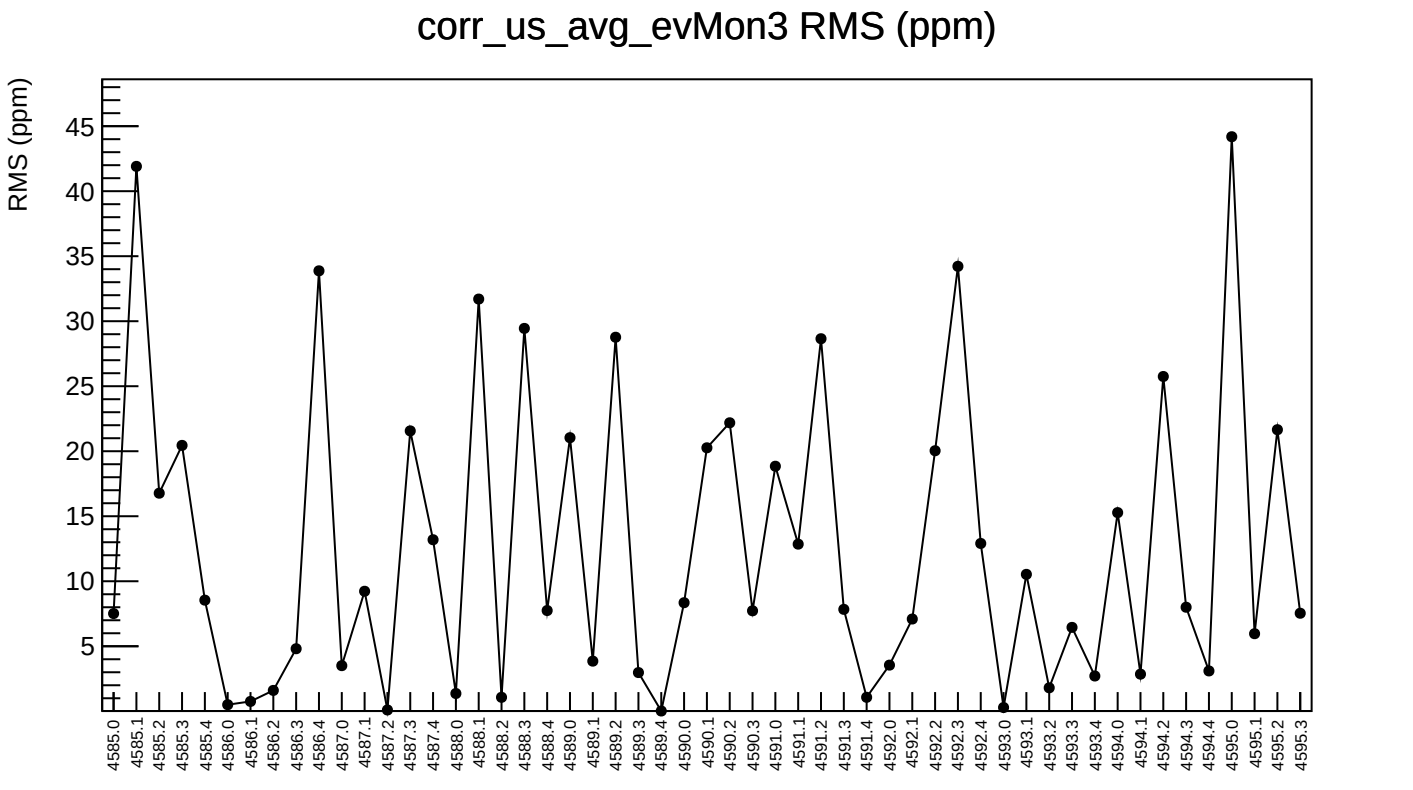

1D pull distribution
Mean 0.0004434 ± 0.1073
Std Dev 0.7814 ± 0.0759
Underflow 0
Overflow 0
χ² / ndf 5.856 / 6
Constant 21 ± 4.2
Mean 0.02787 ± 0.06959
Sigma 0.4776 ± 0.0670
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

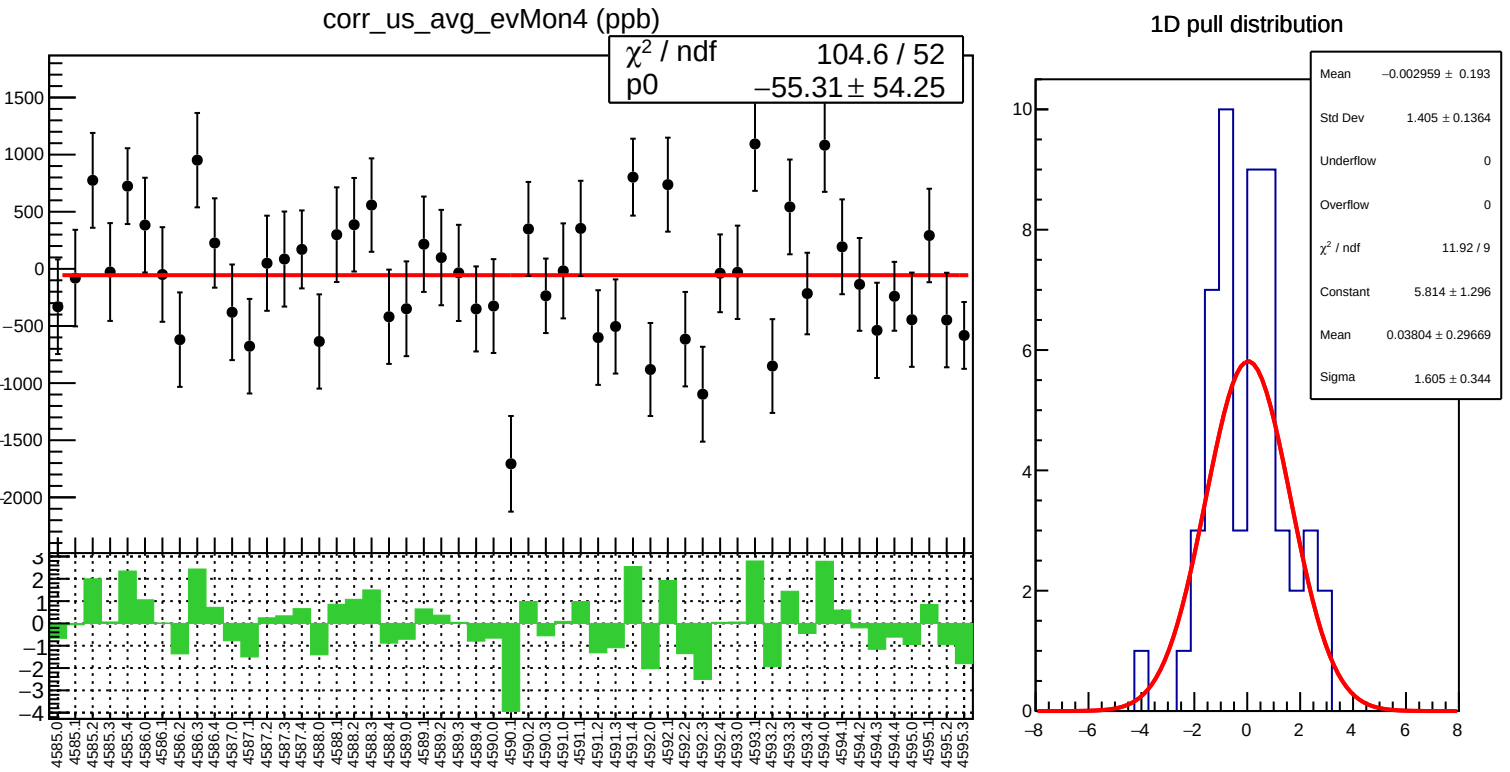

corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
140
120
100
80
60
40
20
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

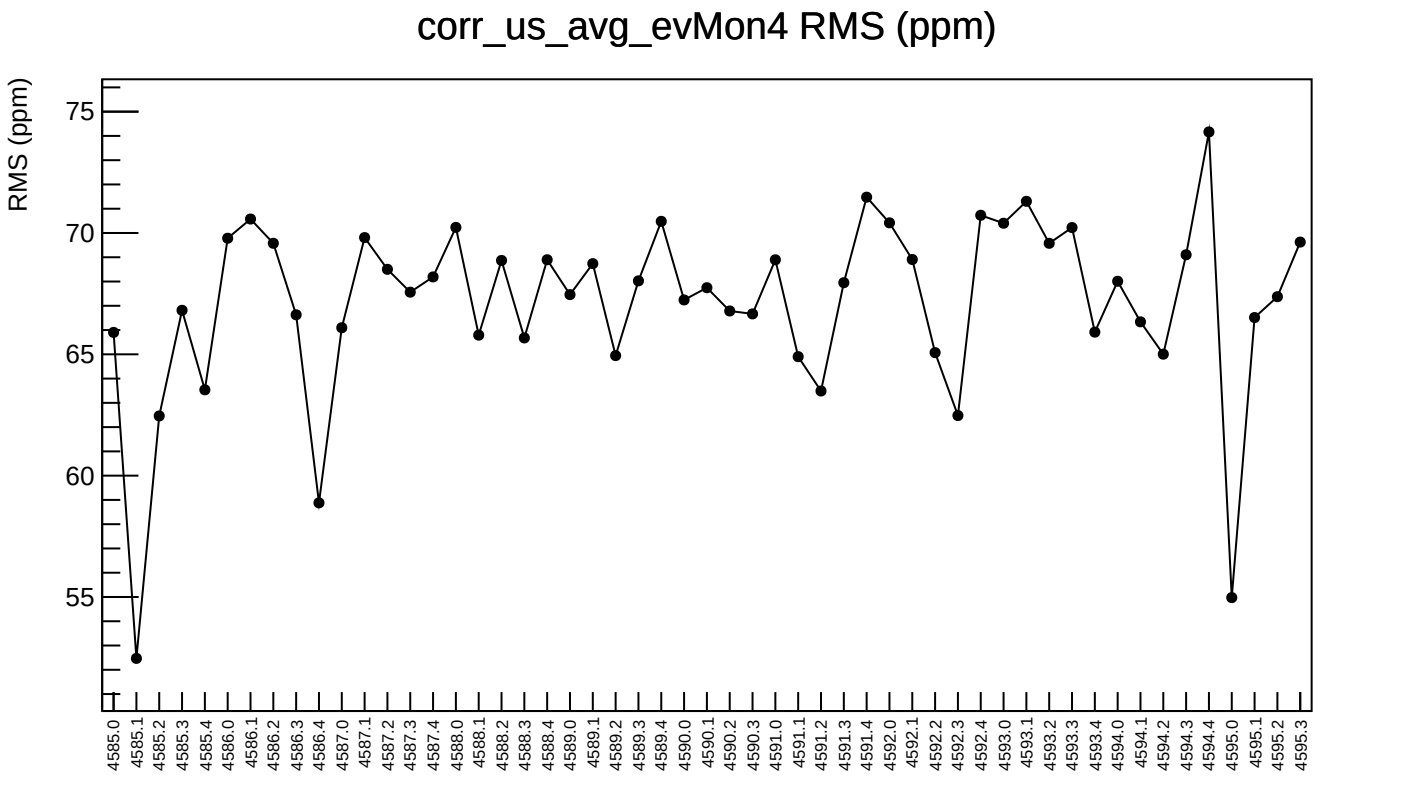

corr_us_avg_evMon2 (ppb)
χ² / ndf 42.94 / 52
p0 270.4 ± 342.9
1D pull distribution
Mean −0.01241 ± 0.1236
Std Dev 0.9 ± 0.08742
Underflow 0
Overflow 0
χ² / ndf 3.152 / 6
Constant 11.81 ± 2.49
Mean −0.0002257 ± 0.1335083
Sigma 0.9071 ± 0.1528

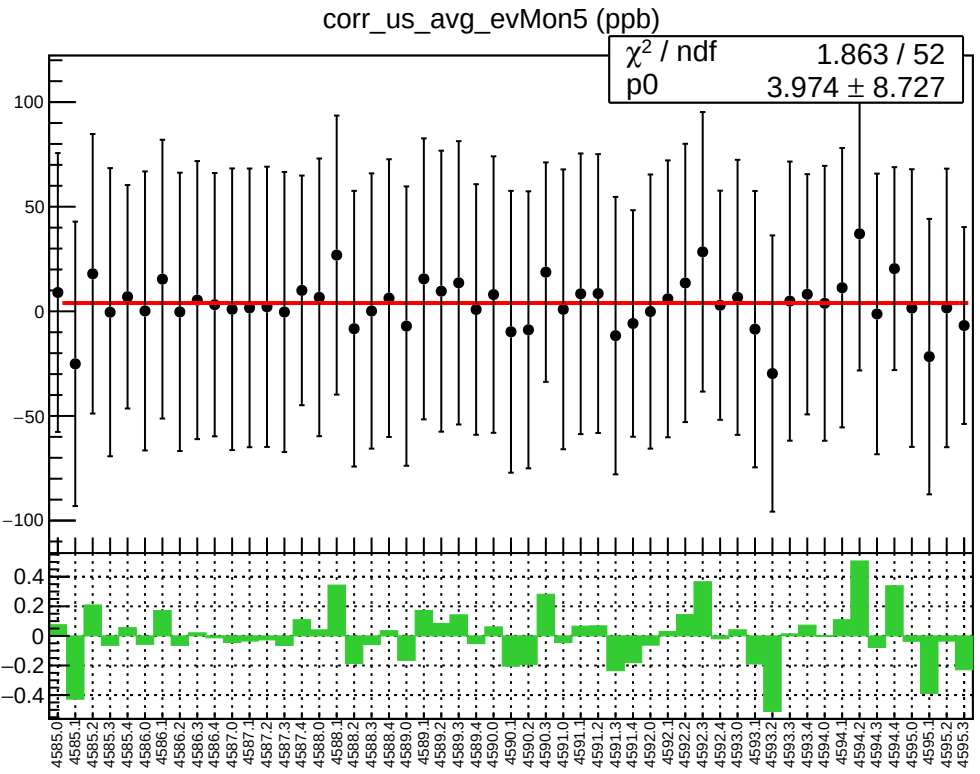

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
260
255
250
245
240
235
230
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

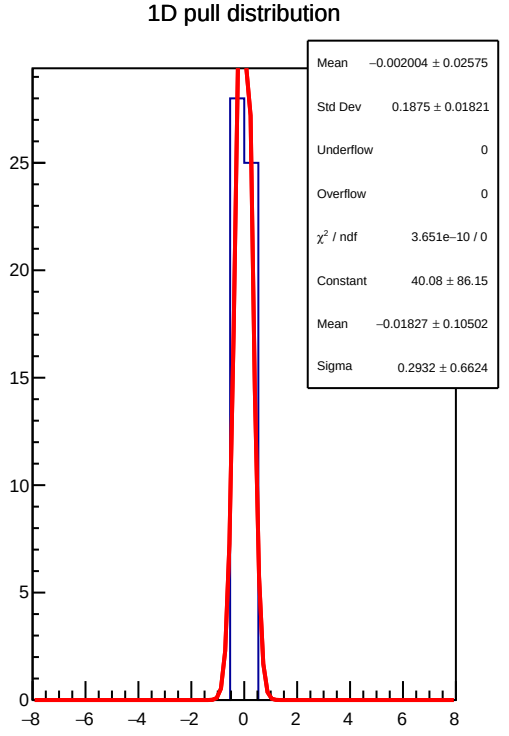

corr_us_avg_evMon3 (ppb)
χ² / ndf 26.85 / 52
p0 0.3729 ± 41.68
1D pull distribution
Mean 0.0009451 ± 0.09777
Std Dev 0.7118 ± 0.06913
Underflow 0
Overflow 0
χ² / ndf 3.238 / 4
Constant 25.81 ± 4.69
Mean 0.02291 ± 0.06098
Sigma 0.4126 ± 0.0496

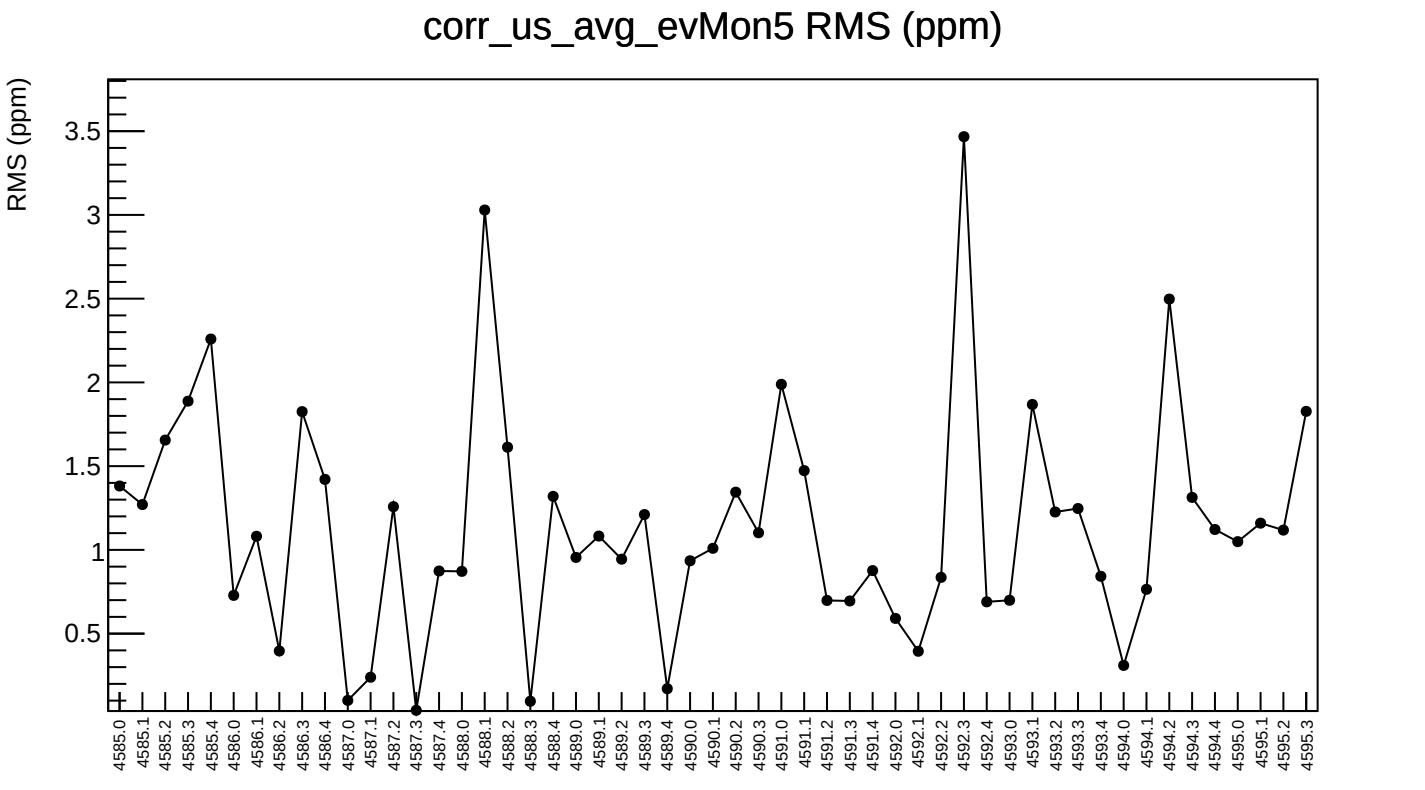

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
45
40
35
30
25
20
15
10
5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

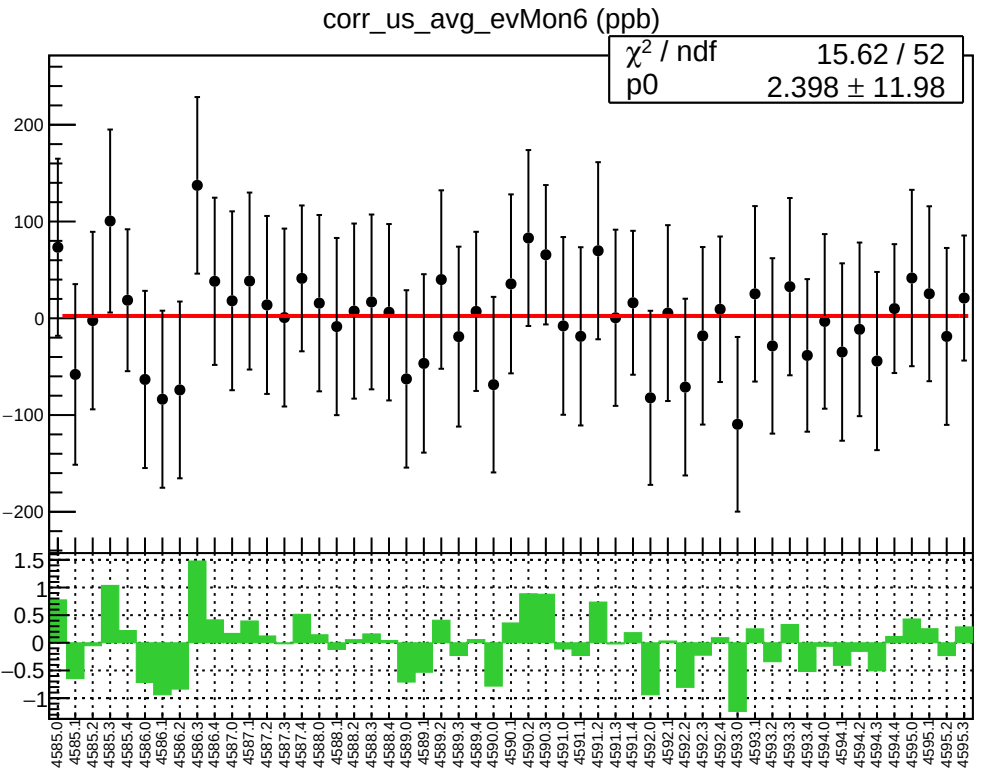

corr_us_avg_evMon4 (ppb)
χ² / ndf 104.6 / 52
p0 −55.31 ± 54.25
1500
1000
500
0
−500
−1000
−1500
−2000
3
2
1
0
−1
−2
−3
−4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3
1D pull distribution
Mean −0.002959 ± 0.193
Std Dev 1.405 ± 0.1364
Underflow 0
Overflow 0
χ² / ndf 11.92 / 9
Constant 5.814 ± 1.296
Mean 0.03804 ± 0.29669
Sigma 1.605 ± 0.344
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

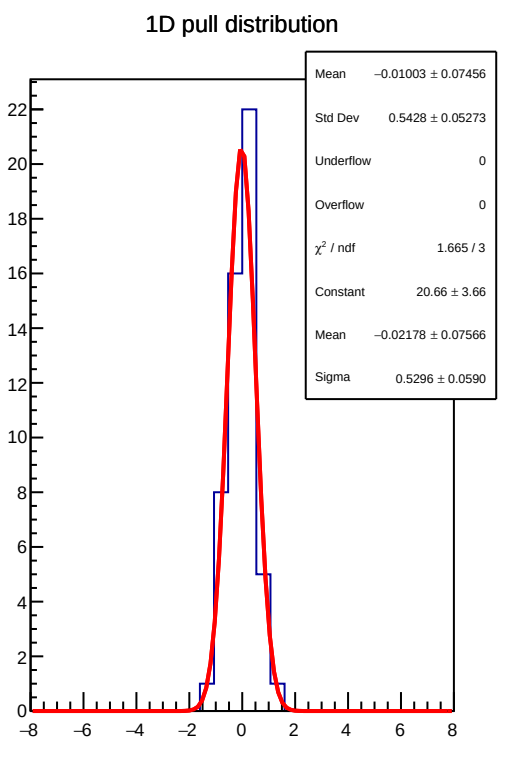

corr_us_avg_evMon4 RMS (ppm)
RMS (ppm)
75
70
65
60
55
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

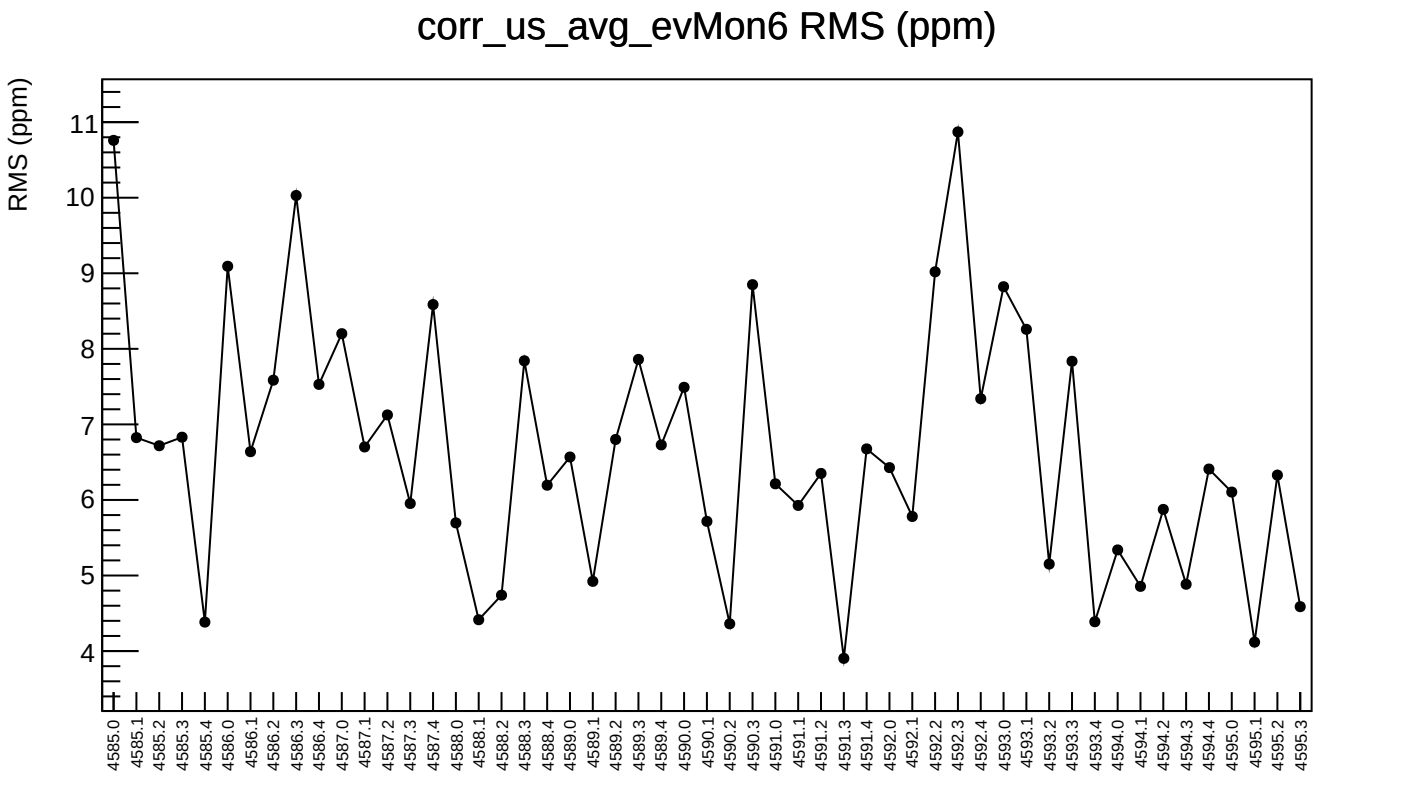

corr_us_avg_evMon5 (ppb)
χ² / ndf 1.863 / 52
p0 3.974 ± 8.727
100
50
0
−50
−100
0.4
0.2
0
−0.2
−0.4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

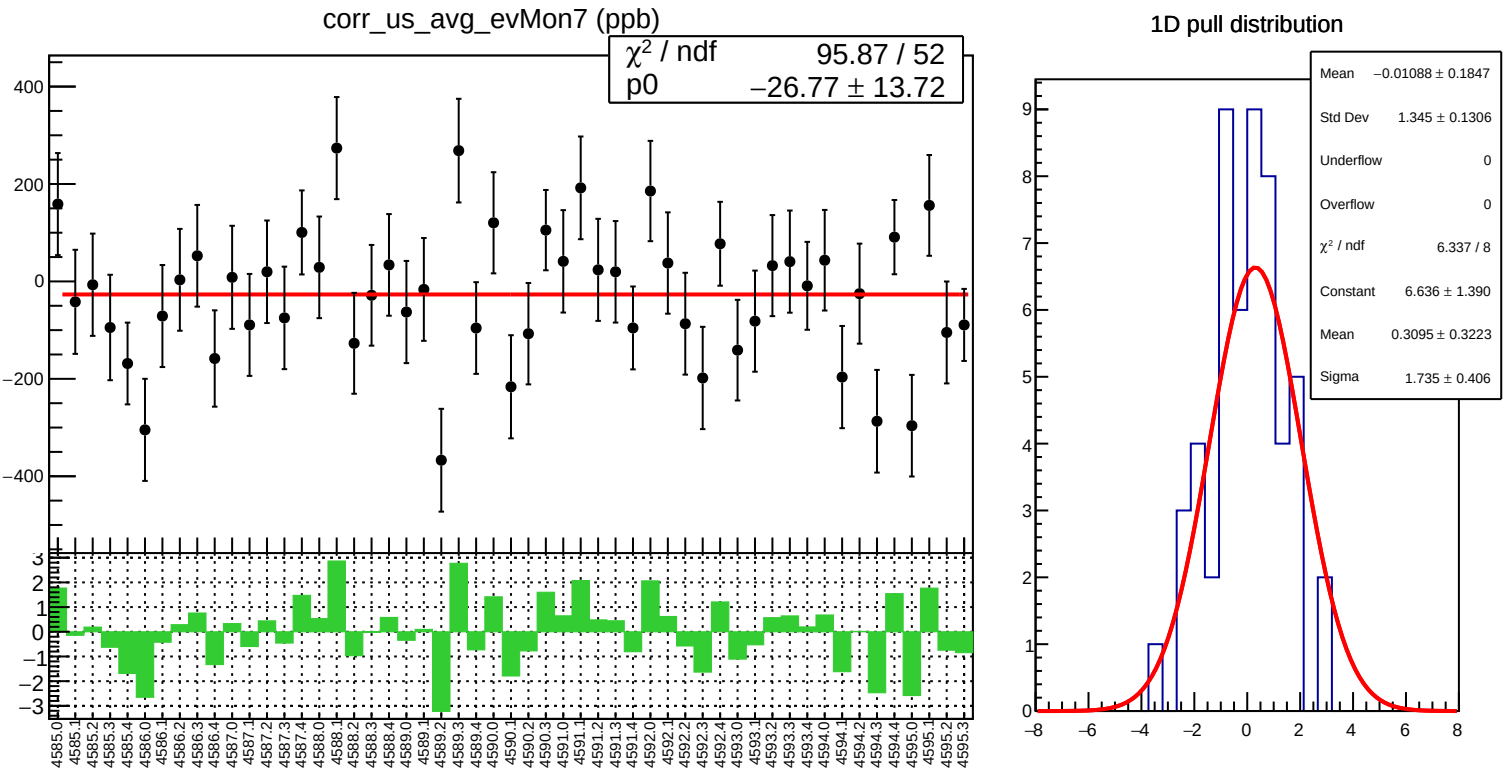

1D pull distribution
Mean −0.002004 ± 0.02575
Std Dev 0.1875 ± 0.01821
Underflow 0
Overflow 0
χ² / ndf 3.651e−10 / 0
Constant 40.08 ± 86.15
Mean −0.01827 ± 0.10502
Sigma 0.2932 ± 0.6624
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

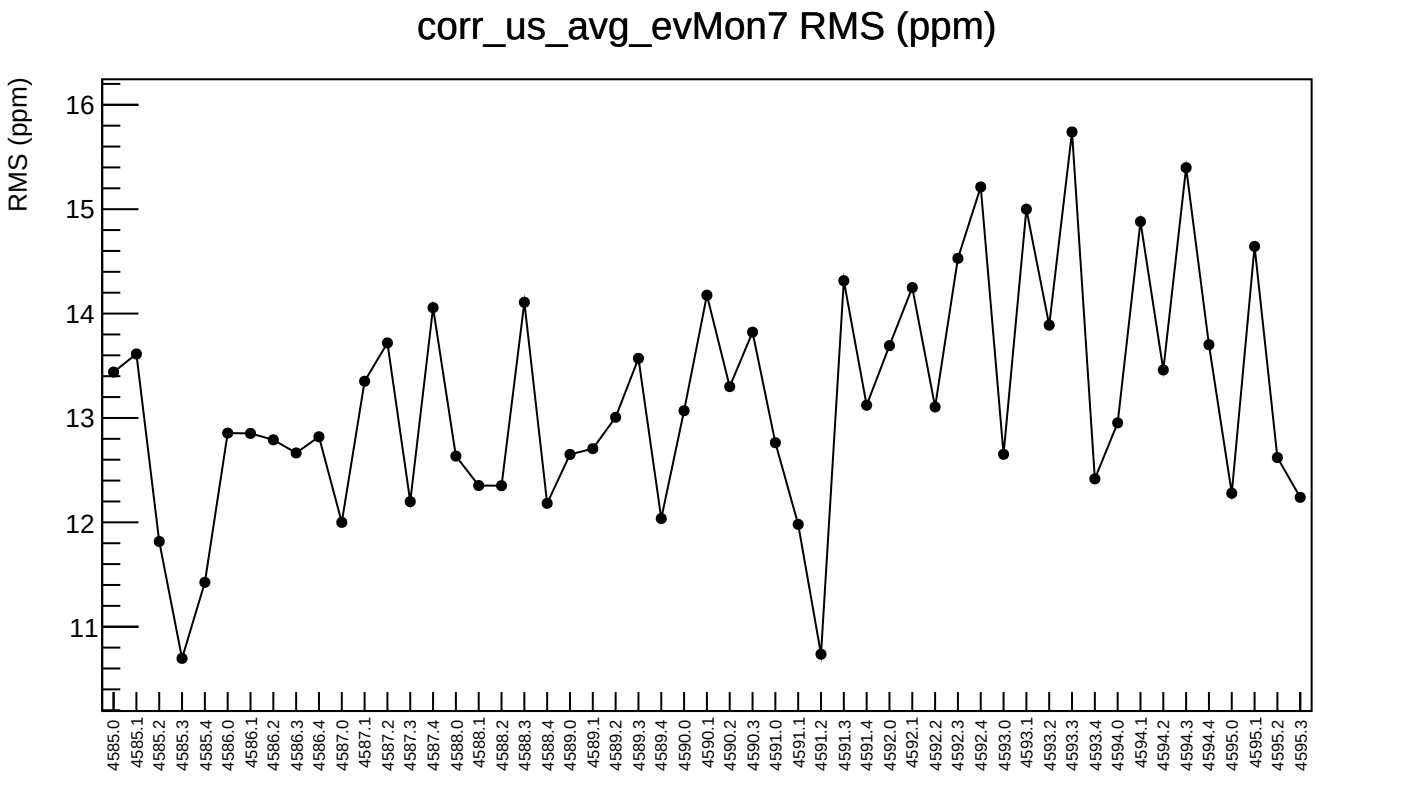

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

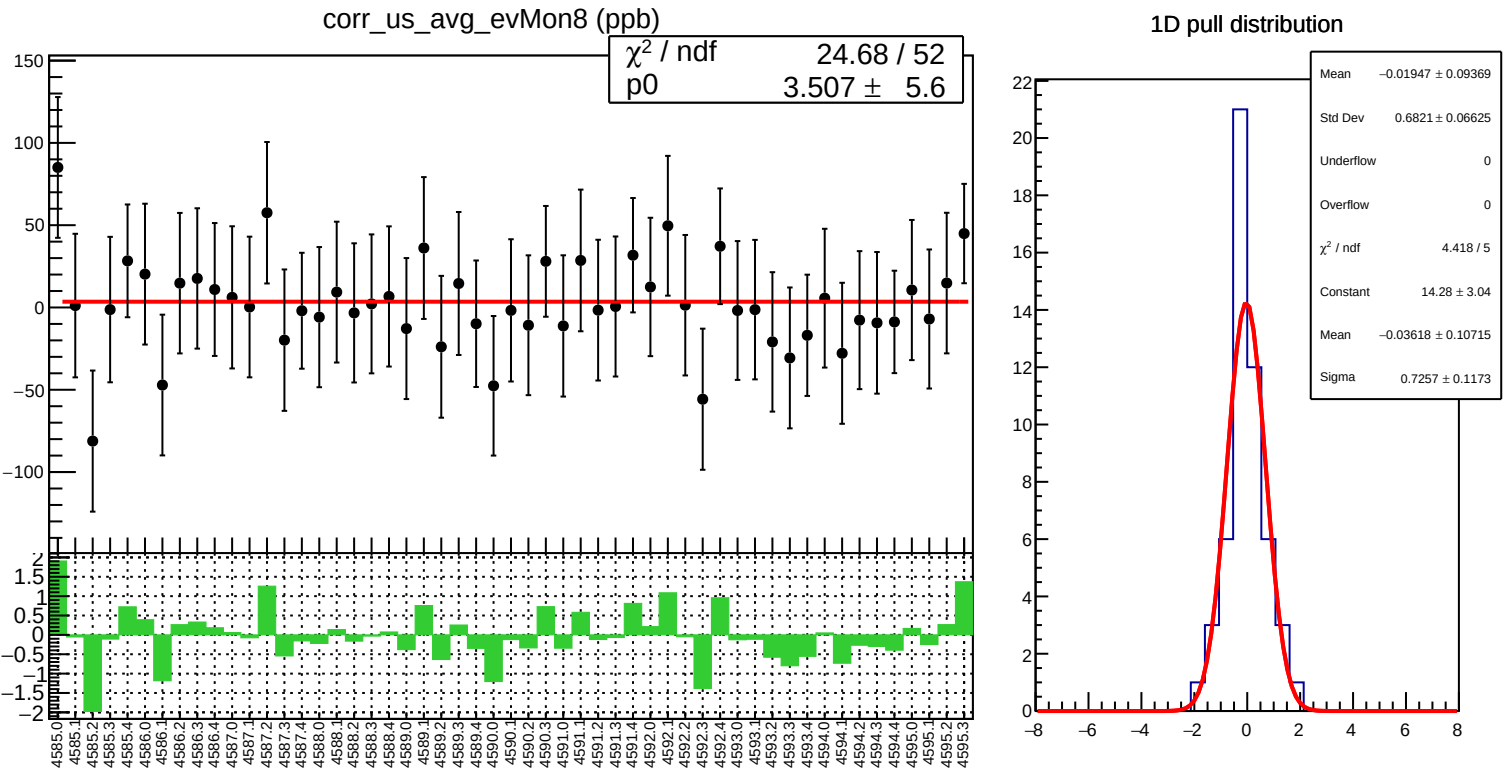

corr_us_avg_evMon6 (ppb)
χ² / ndf 15.62 / 52
p0 2.398 ± 11.98
200
100
0
−100
−200
1.5
1
0.5
0
−0.5
−1
Pull
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

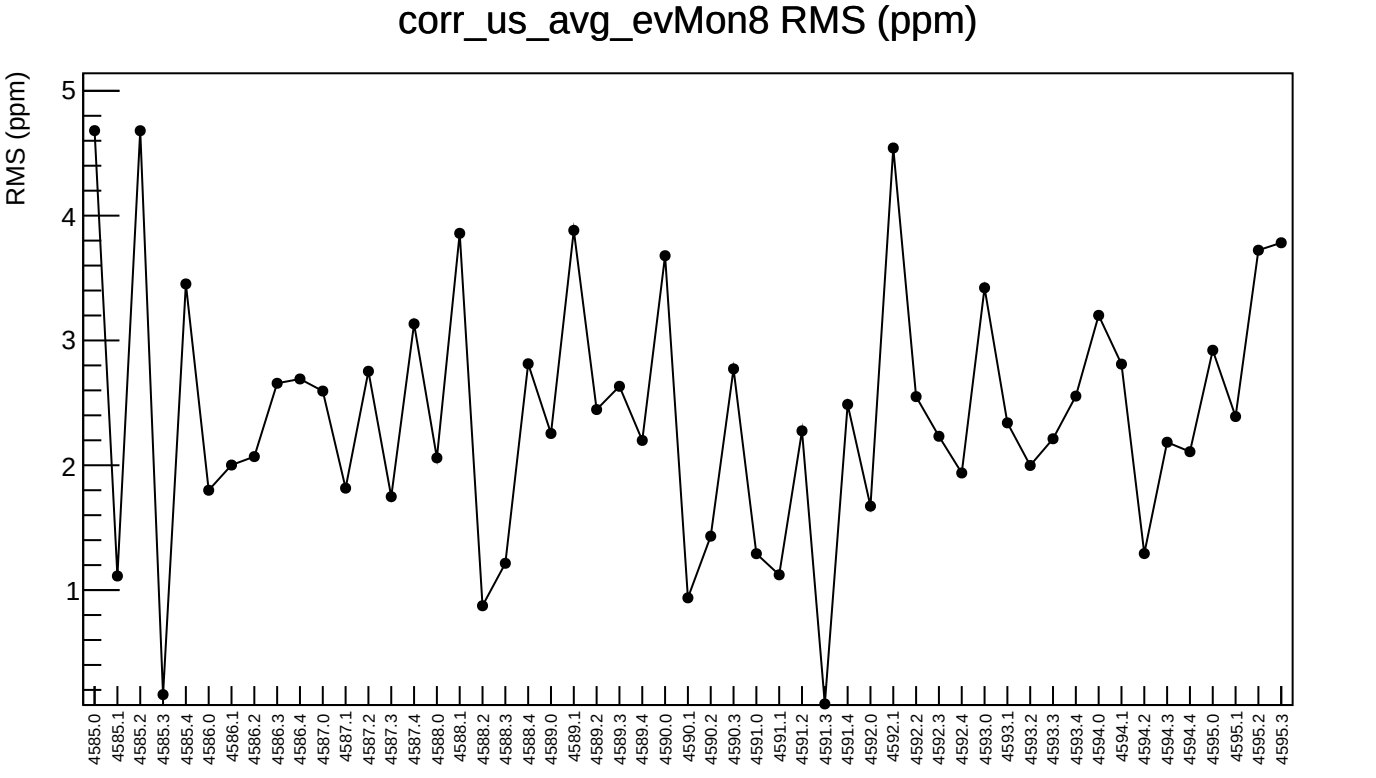

1D pull distribution
Mean −0.01003 ± 0.07456
Std Dev 0.5428 ± 0.05273
Underflow 0
Overflow 0
χ² / ndf 1.665 / 3
Constant 20.66 ± 3.66
Mean −0.02178 ± 0.07566
Sigma 0.5296 ± 0.0590
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

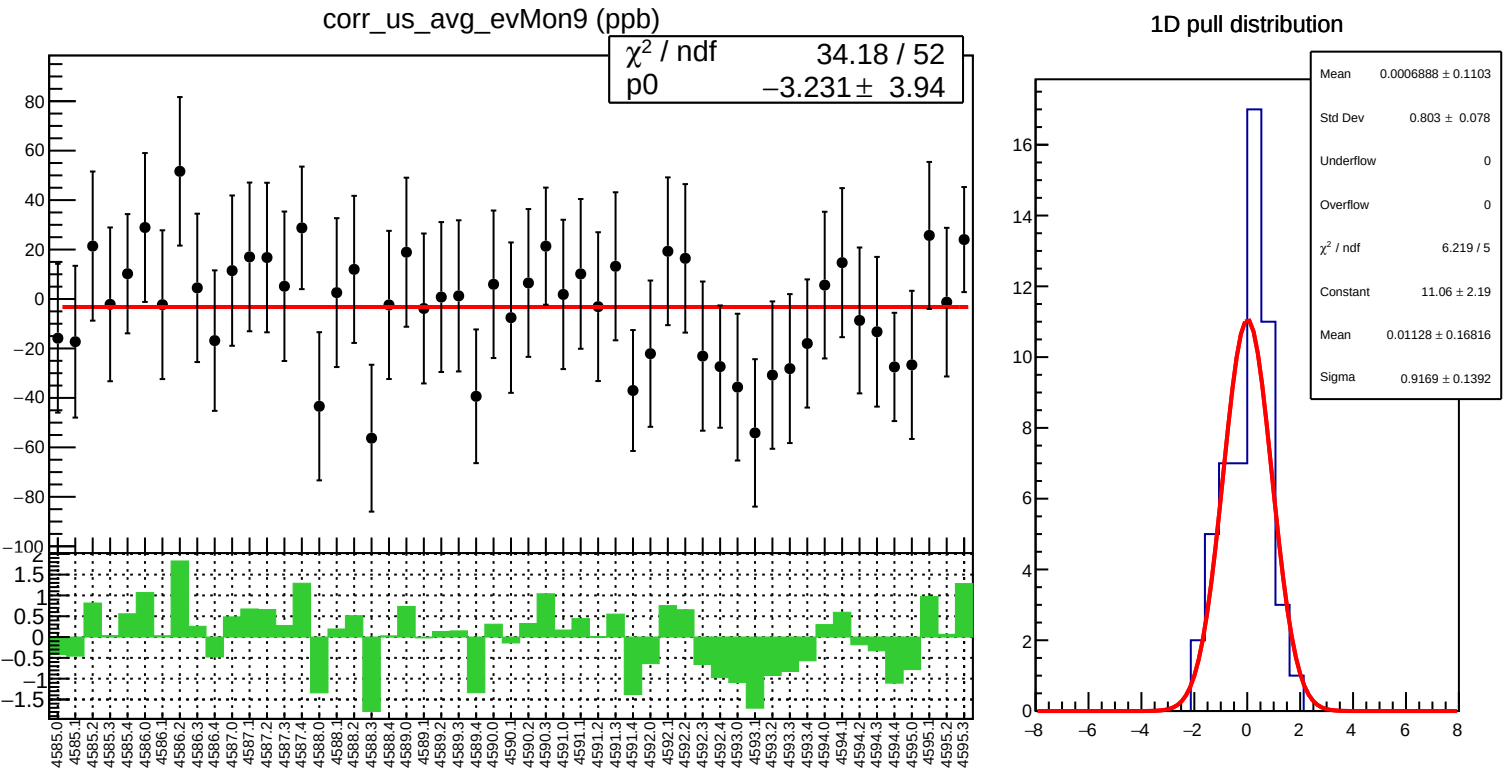

corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

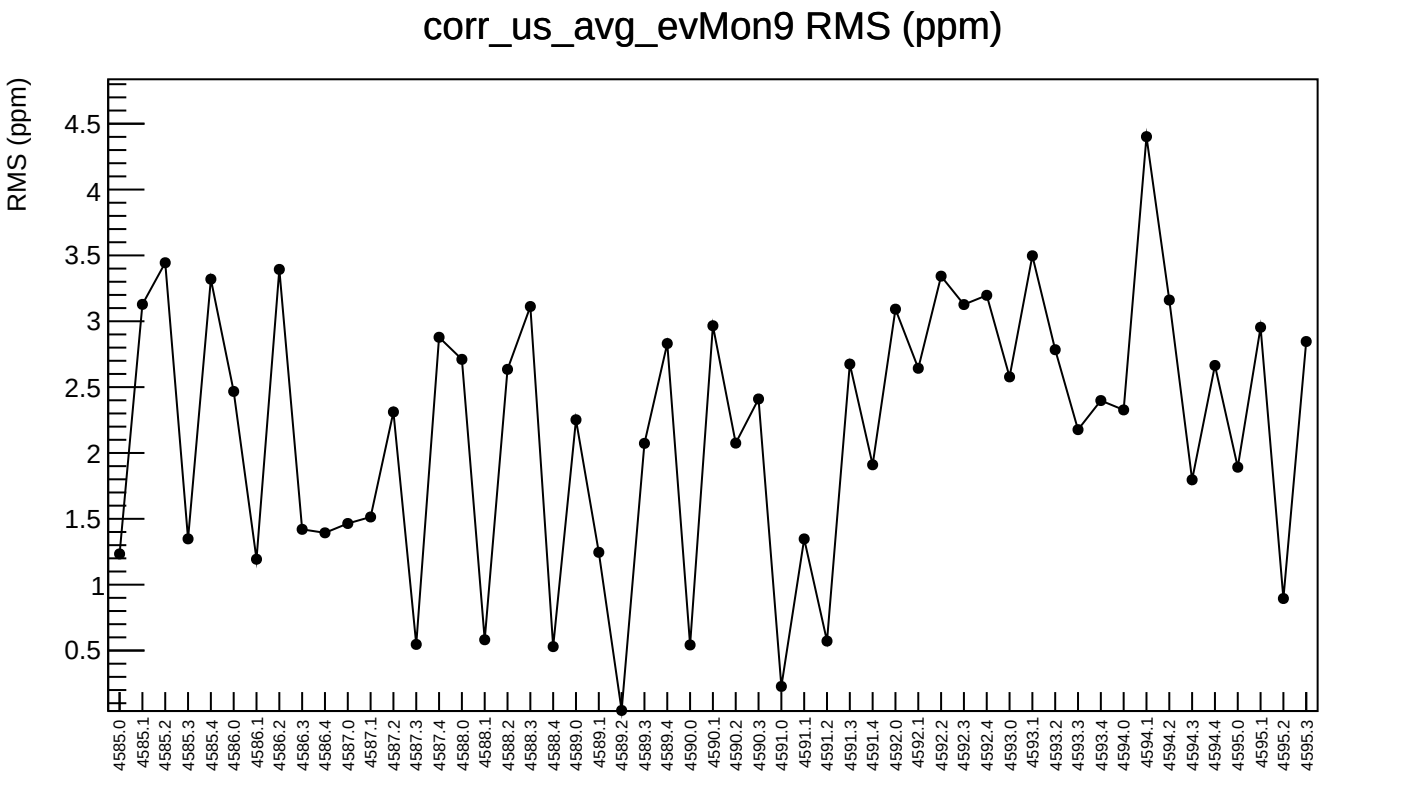

corr_us_avg_evMon7 (ppb)
χ² / ndf 95.87 / 52
p0 −26.77 ± 13.72
400
200
0
−200
−400
3
2
1
0
−1
−2
−3
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3
1D pull distribution
Mean −0.01088 ± 0.1847
Std Dev 1.345 ± 0.1306
Underflow 0
Overflow 0
χ² / ndf 6.337 / 8
Constant 6.636 ± 1.390
Mean 0.3095 ± 0.3223
Sigma 1.735 ± 0.406
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

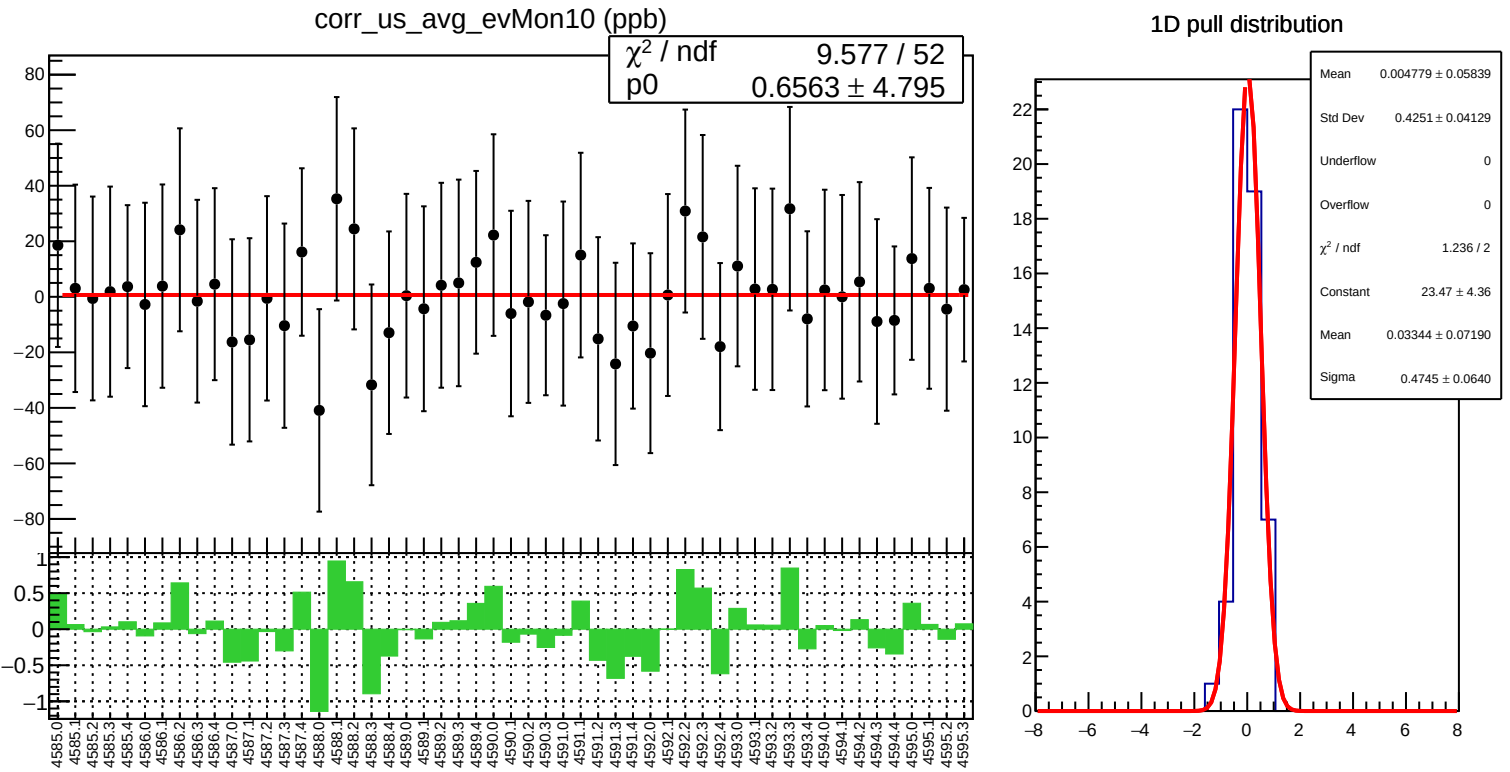

corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
16
15
14
13
12
11
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

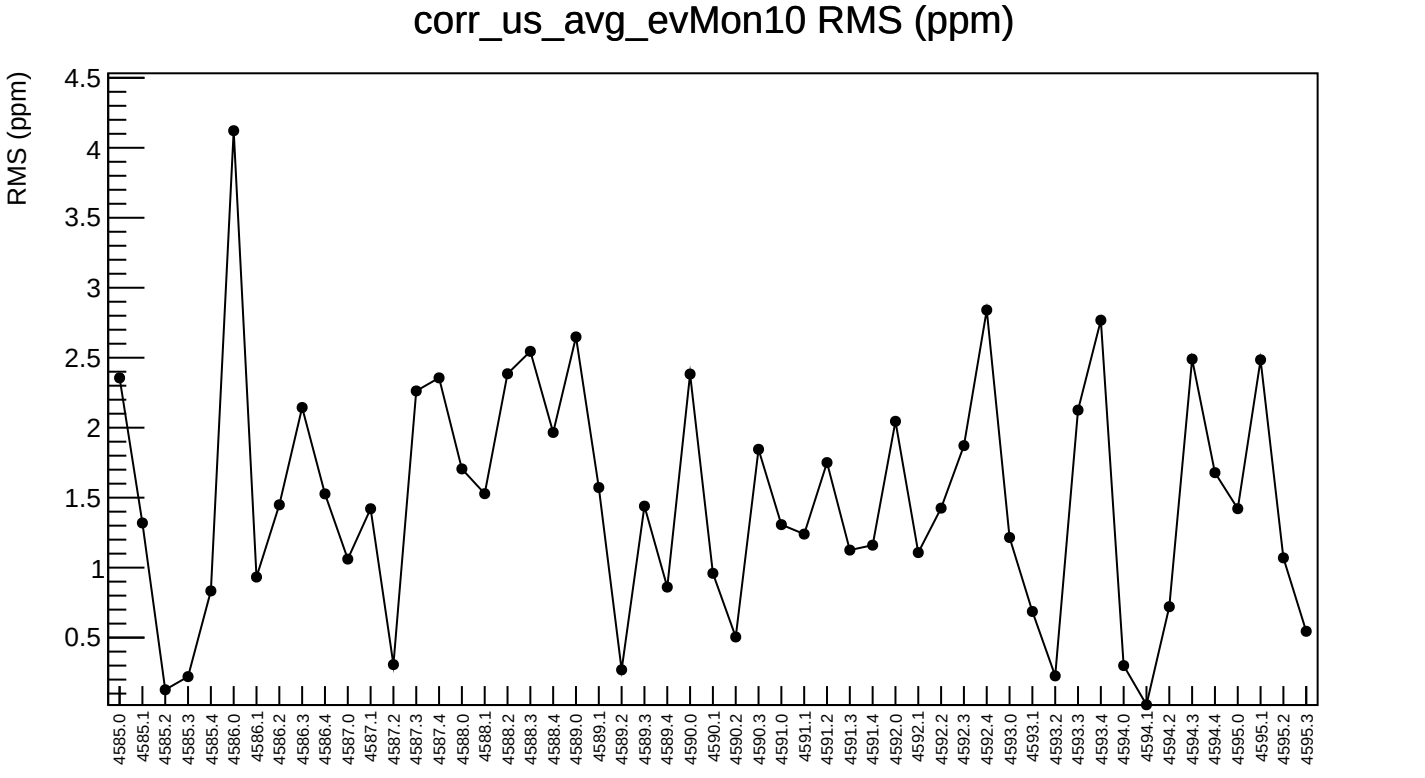

corr_us_avg_evMon8 (ppb)
χ² / ndf 24.68 / 52
p0 3.507 ± 5.6
1D pull distribution
Mean −0.01947 ± 0.09369
Std Dev 0.6821 ± 0.06625
Underflow 0
Overflow 0
χ² / ndf 4.418 / 5
Constant 14.28 ± 3.04
Mean −0.03618 ± 0.10715
Sigma 0.7257 ± 0.1173

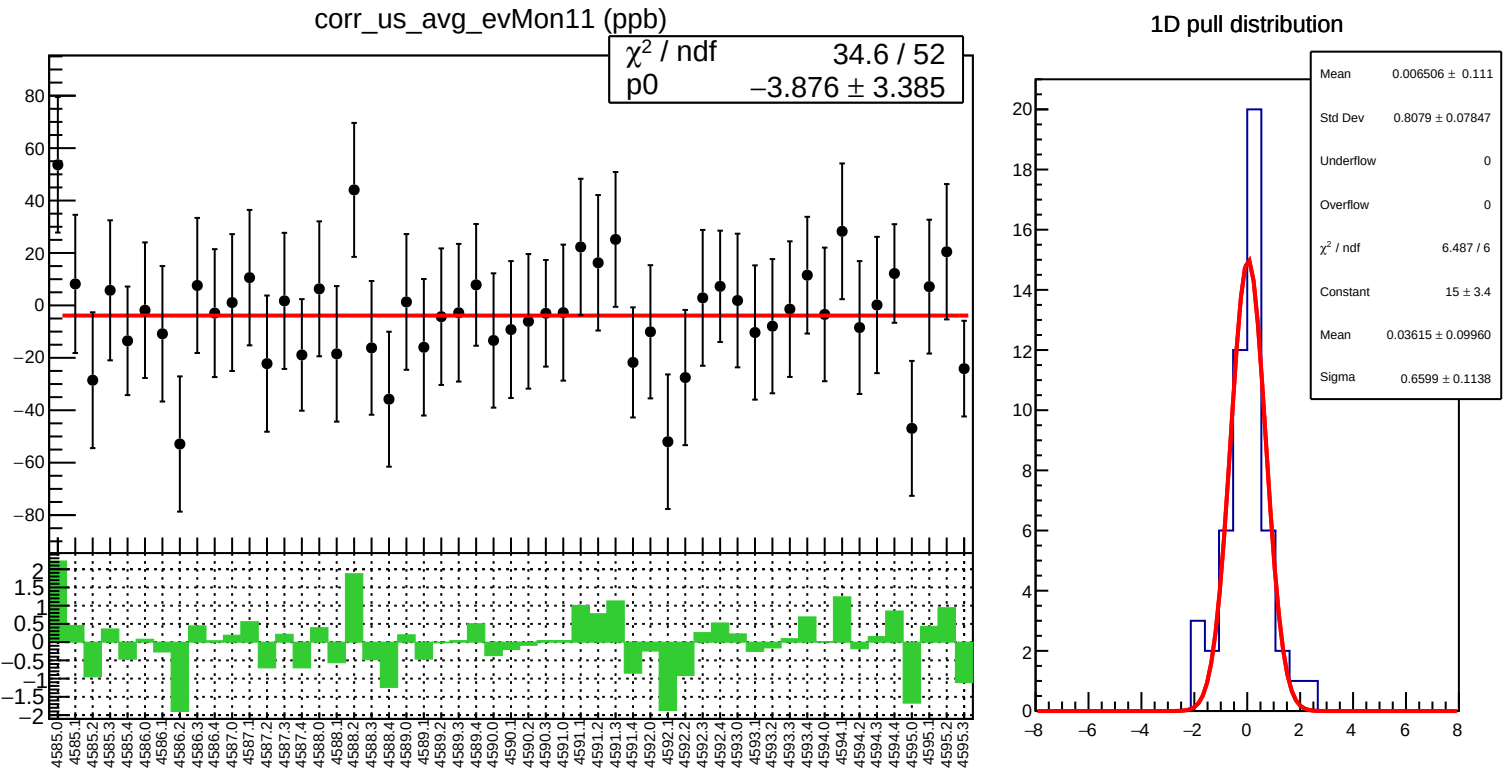

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

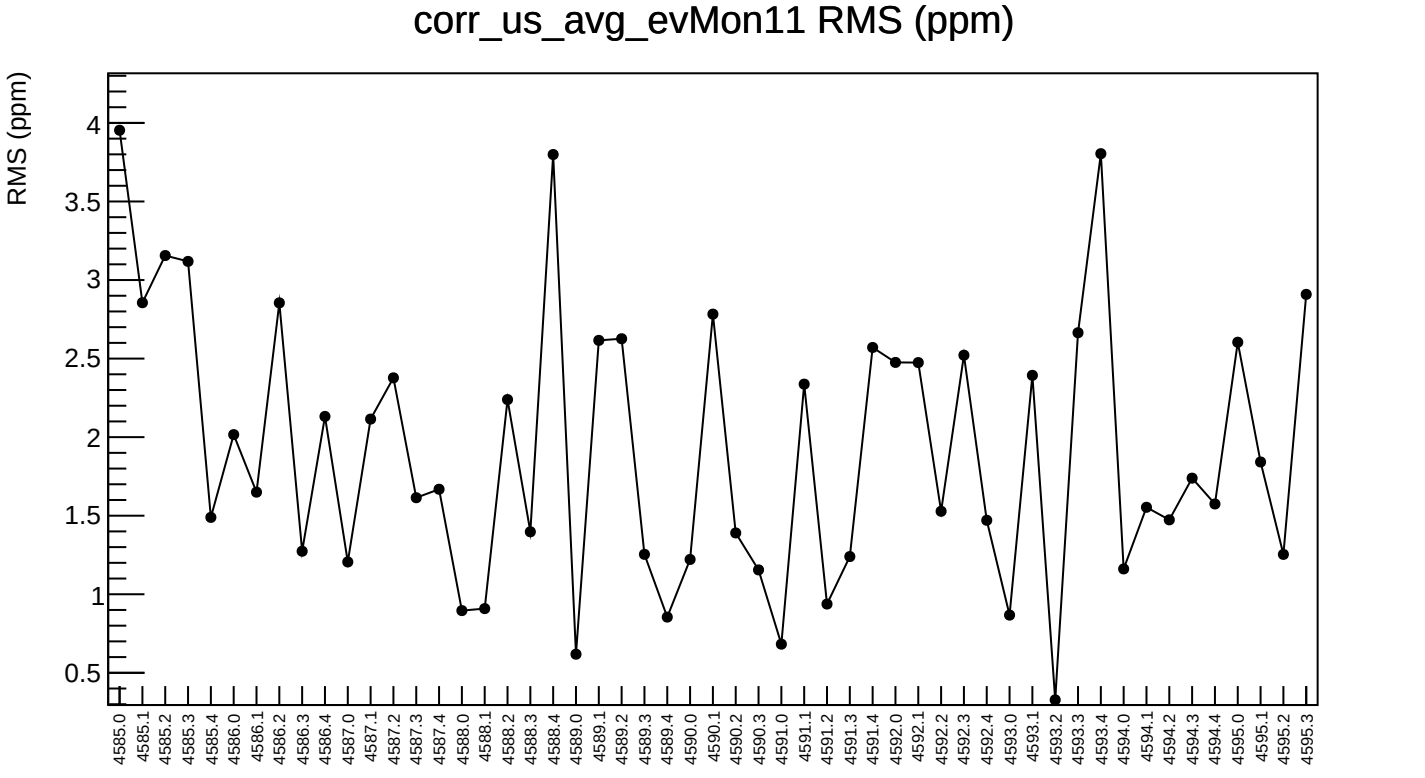

corr_us_avg_evMon9 (ppb)
χ² / ndf 34.18 / 52
p0 −3.231 ± 3.94
1D pull distribution
Mean 0.0006888 ± 0.1103
Std Dev 0.803 ± 0.078
Underflow 0
Overflow 0
χ² / ndf 6.219 / 5
Constant 11.06 ± 2.19
Mean 0.01128 ± 0.16816
Sigma 0.9169 ± 0.1392

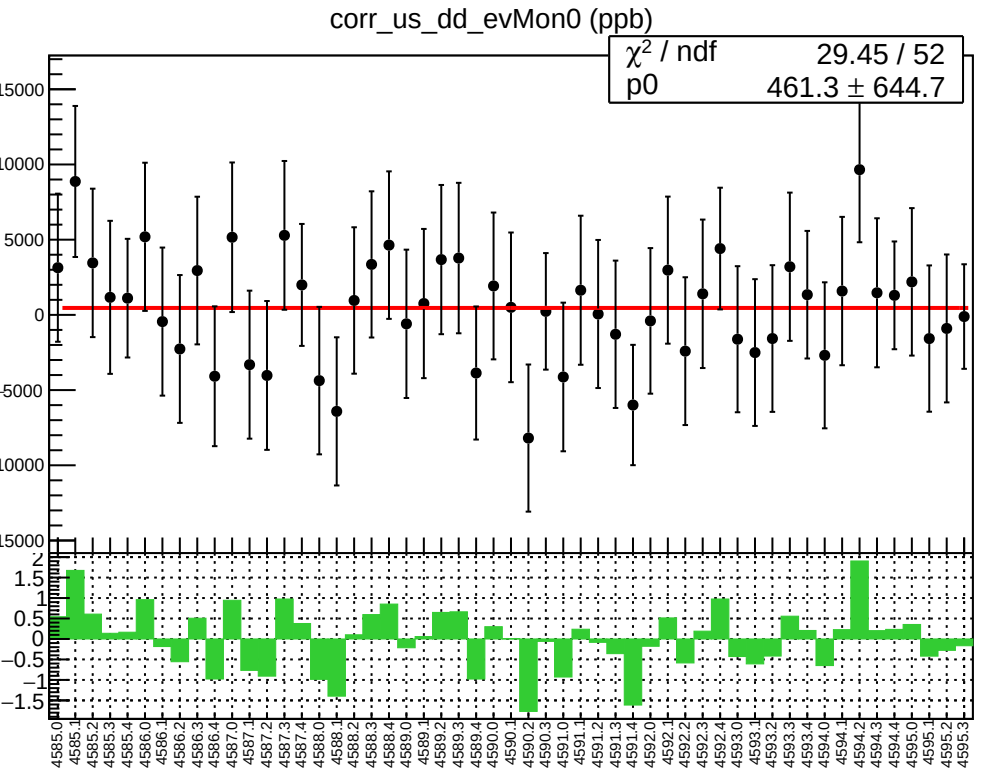

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

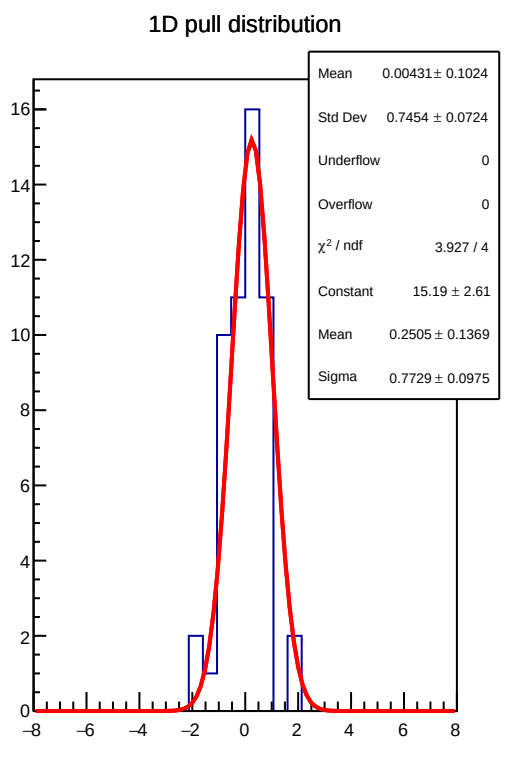

corr_us_avg_evMon10 (ppb)
χ² / ndf 9.577 / 52
p0 0.6563 ± 4.795
1D pull distribution
Mean 0.004779 ± 0.05839
Std Dev 0.4251 ± 0.04129
Underflow 0
Overflow 0
χ² / ndf 1.236 / 2
Constant 23.47 ± 4.36
Mean 0.03344 ± 0.07190
Sigma 0.4745 ± 0.0640

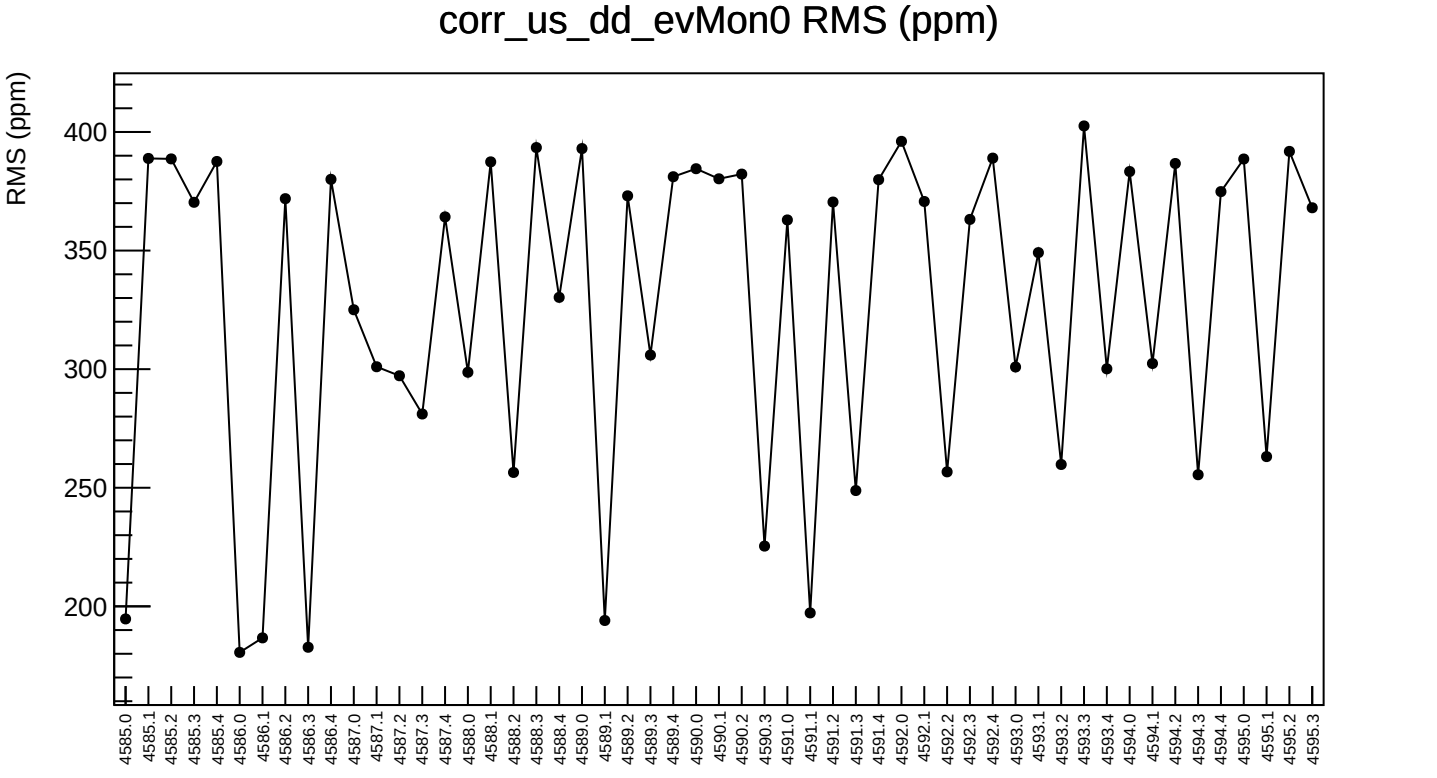

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

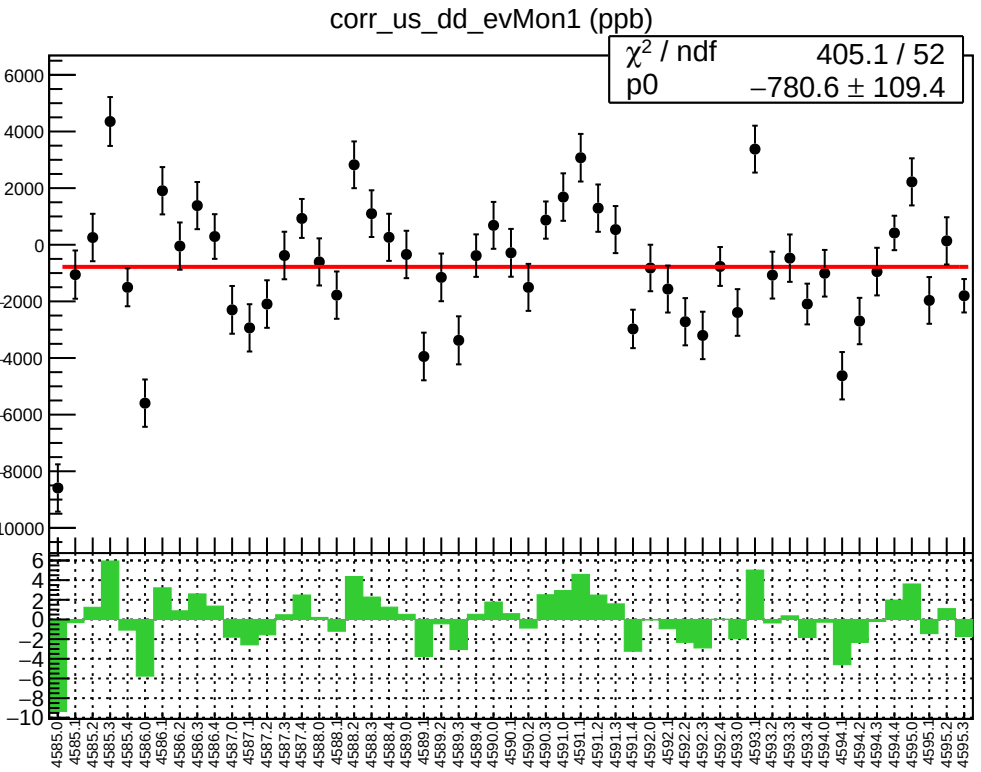

corr_us_avg_evMon11 (ppb)
χ² / ndf 34.6 / 52
p0 −3.876 ± 3.385
1D pull distribution
Mean 0.006506 ± 0.111
Std Dev 0.8079 ± 0.07847
Underflow 0
Overflow 0
χ² / ndf 6.487 / 6
Constant 15 ± 3.4
Mean 0.03615 ± 0.09960
Sigma 0.6599 ± 0.1138

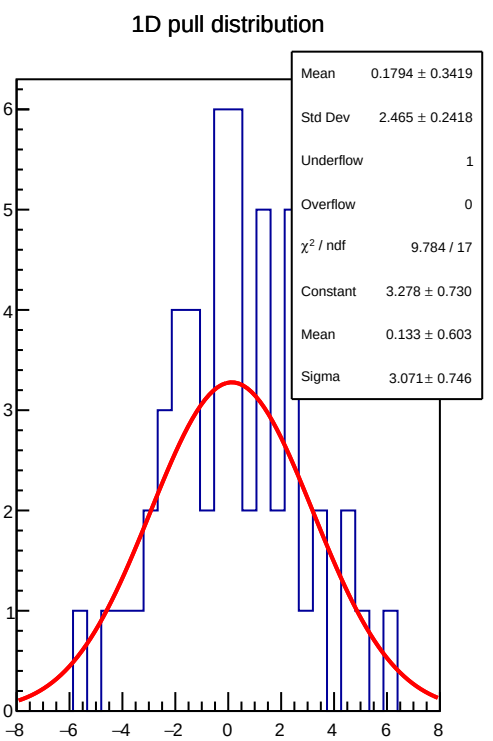

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

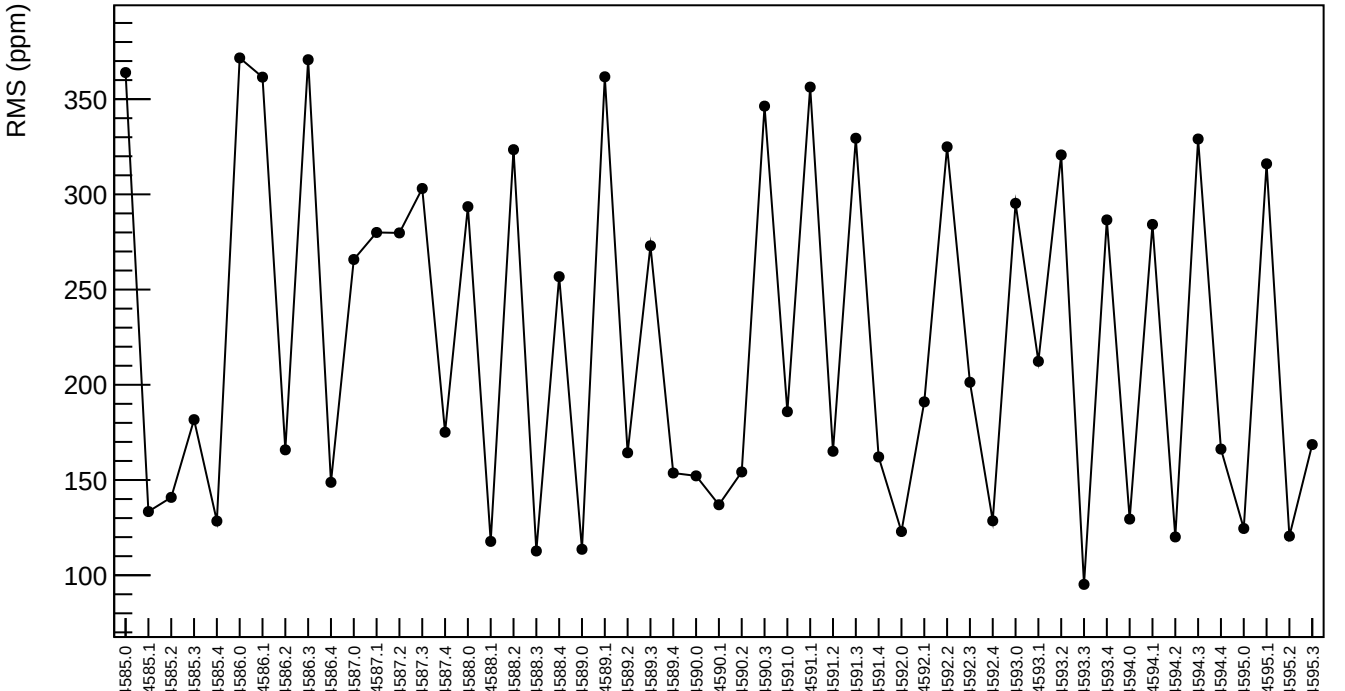

corr_us_dd_evMon0 (ppb)
χ² / ndf 29.45 / 52
p0 461.3 ± 644.7

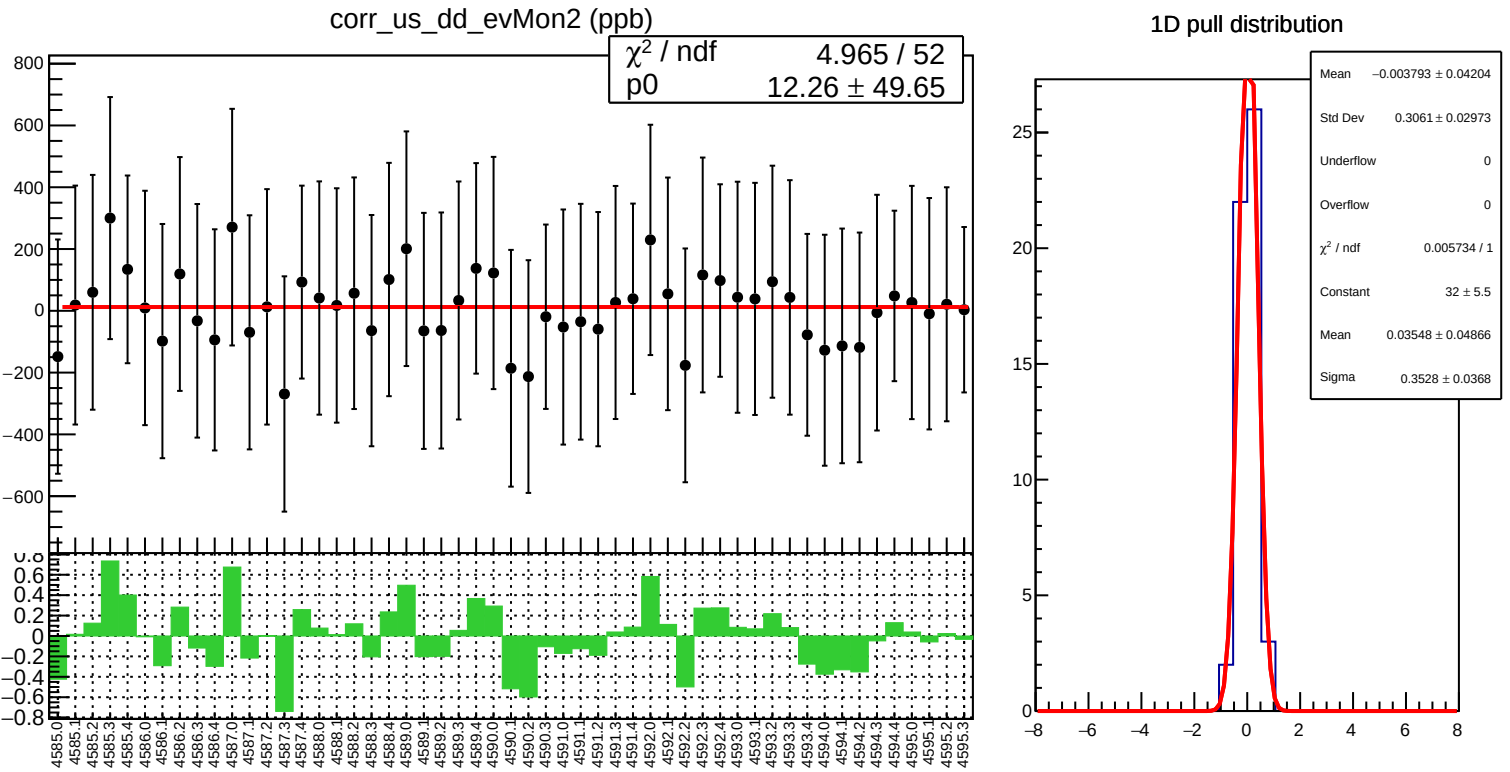

1D pull distribution
Mean 0.00431± 0.1024
Std Dev 0.7454 ± 0.0724
Underflow 0
Overflow 0
χ² / ndf 3.927 / 4
Constant 15.19 ± 2.61
Mean 0.2505 ± 0.1369
Sigma 0.7729 ± 0.0975

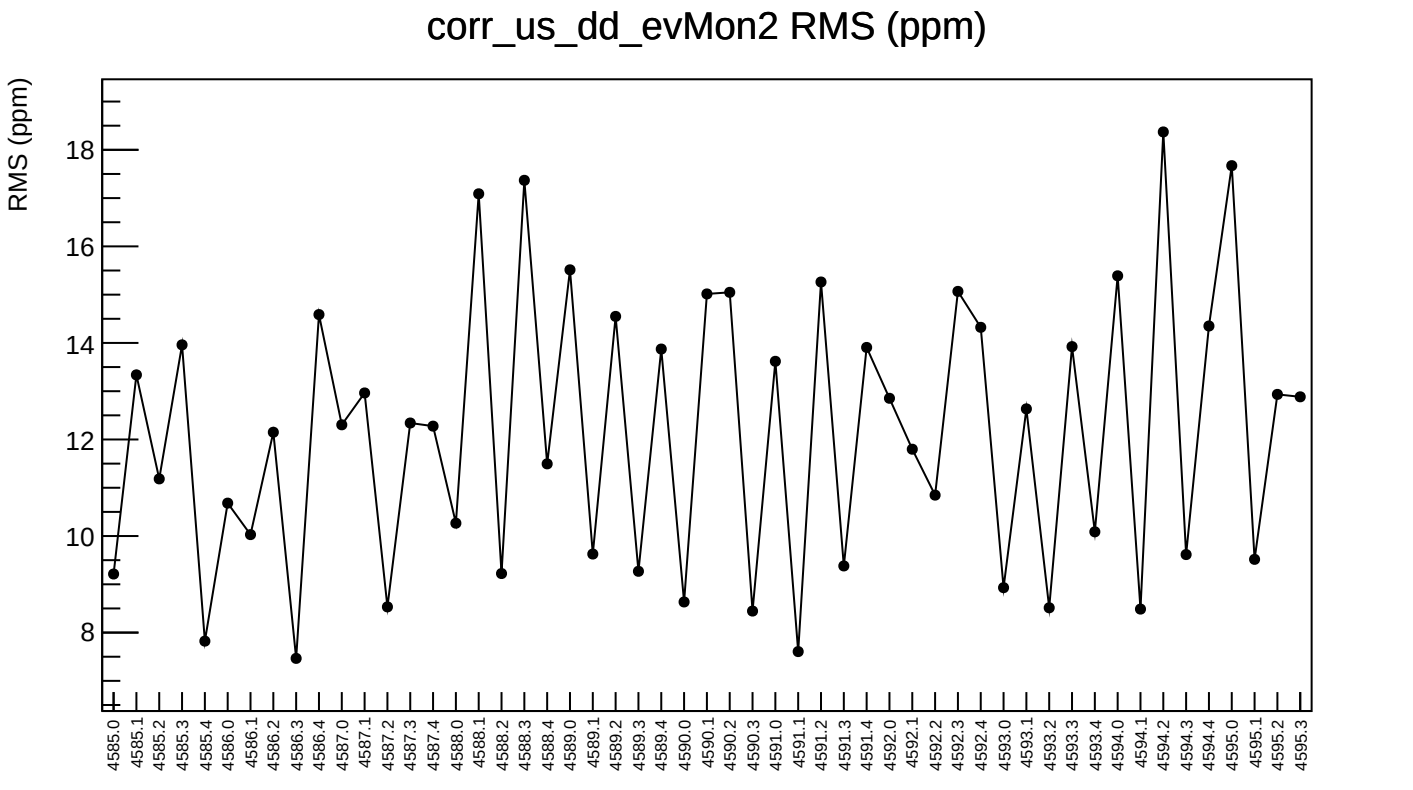

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
400
350
300
250
200
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

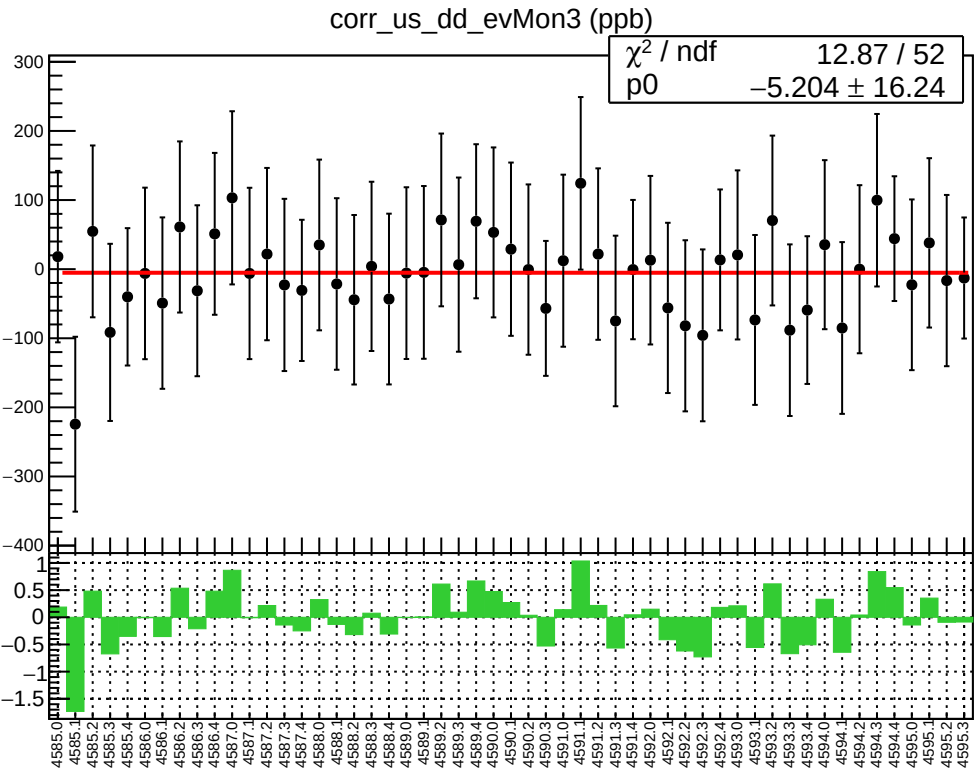

corr_us_dd_evMon1 (ppb)
χ² / ndf 405.1 / 52
p0 −780.6 ± 109.4

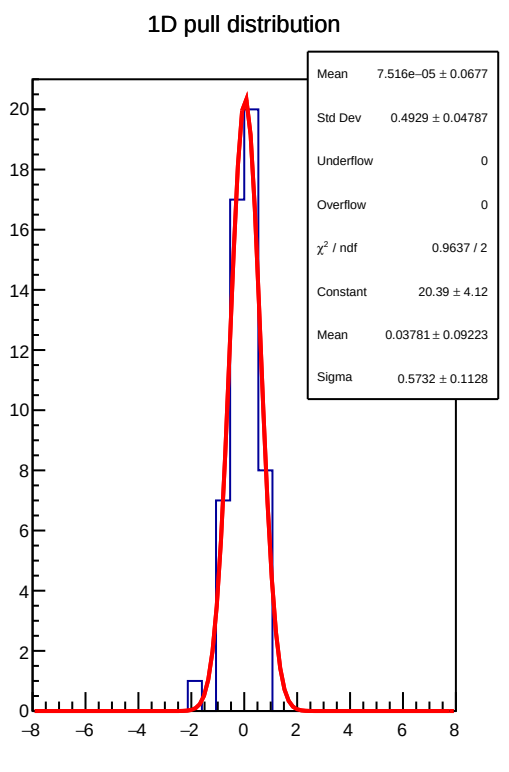

1D pull distribution
Mean 0.1794 ± 0.3419
Std Dev 2.465 ± 0.2418
Underflow 1
Overflow 0
χ² / ndf 9.784 / 17
Constant 3.278 ± 0.730
Mean 0.133 ± 0.603
Sigma 3.071± 0.746

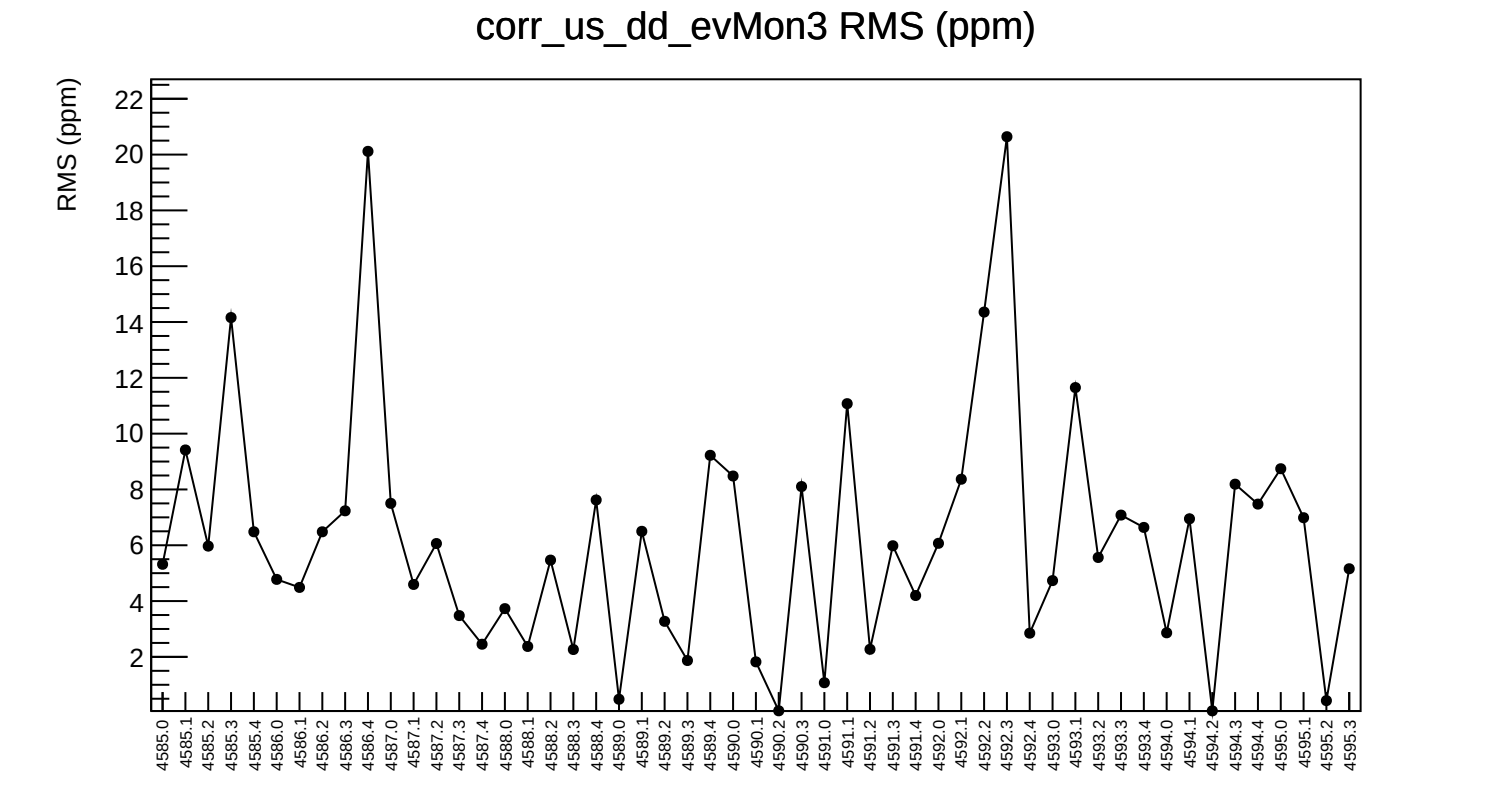

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
350
300
250
200
150
100
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

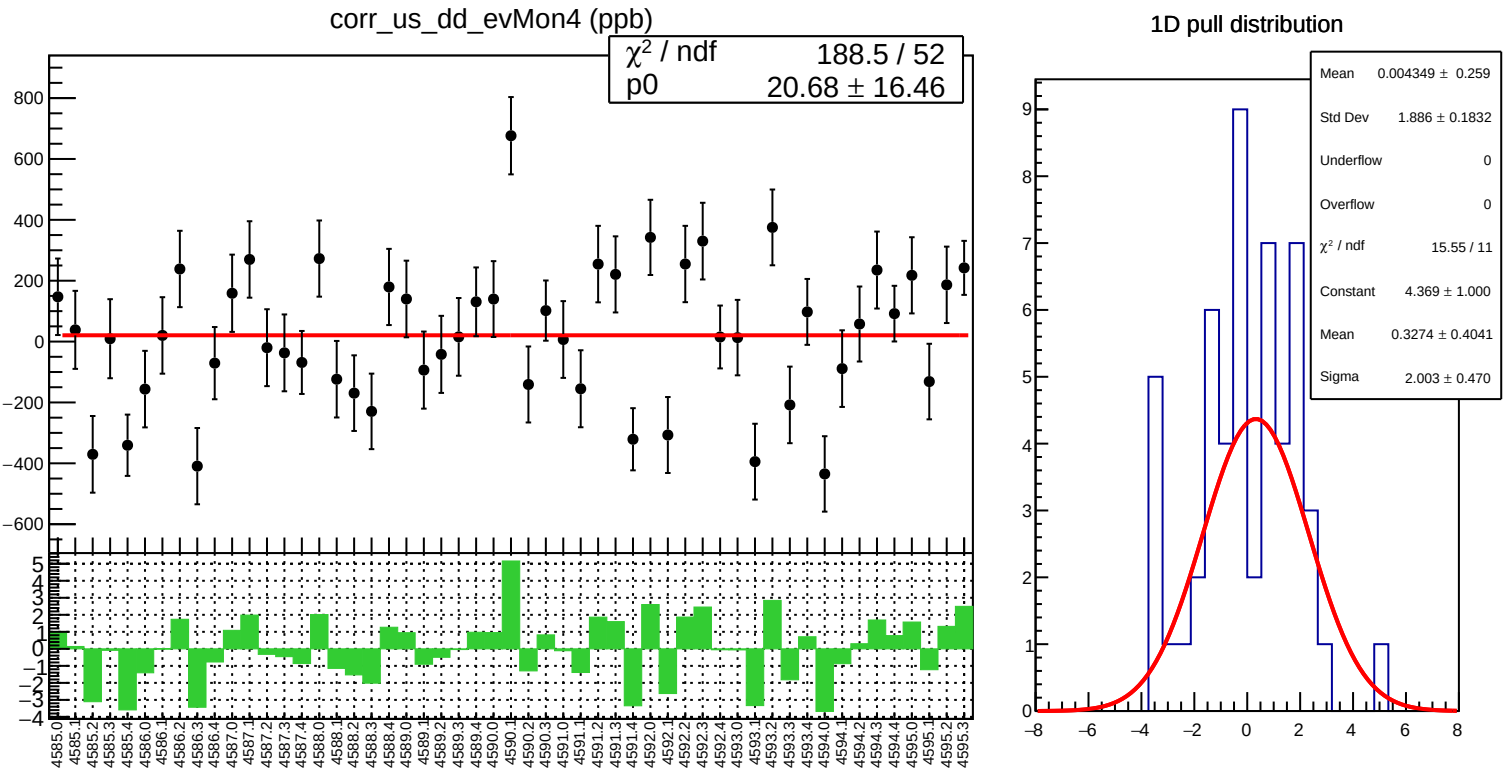

corr_us_dd_evMon2 (ppb)
χ² / ndf 4.965 / 52
p0 12.26 ± 49.65
1D pull distribution
Mean −0.003793 ± 0.04204
Std Dev 0.3061 ± 0.02973
Underflow 0
Overflow 0
χ² / ndf 0.005734 / 1
Constant 32 ± 5.5
Mean 0.03548 ± 0.04866
Sigma 0.3528 ± 0.0368

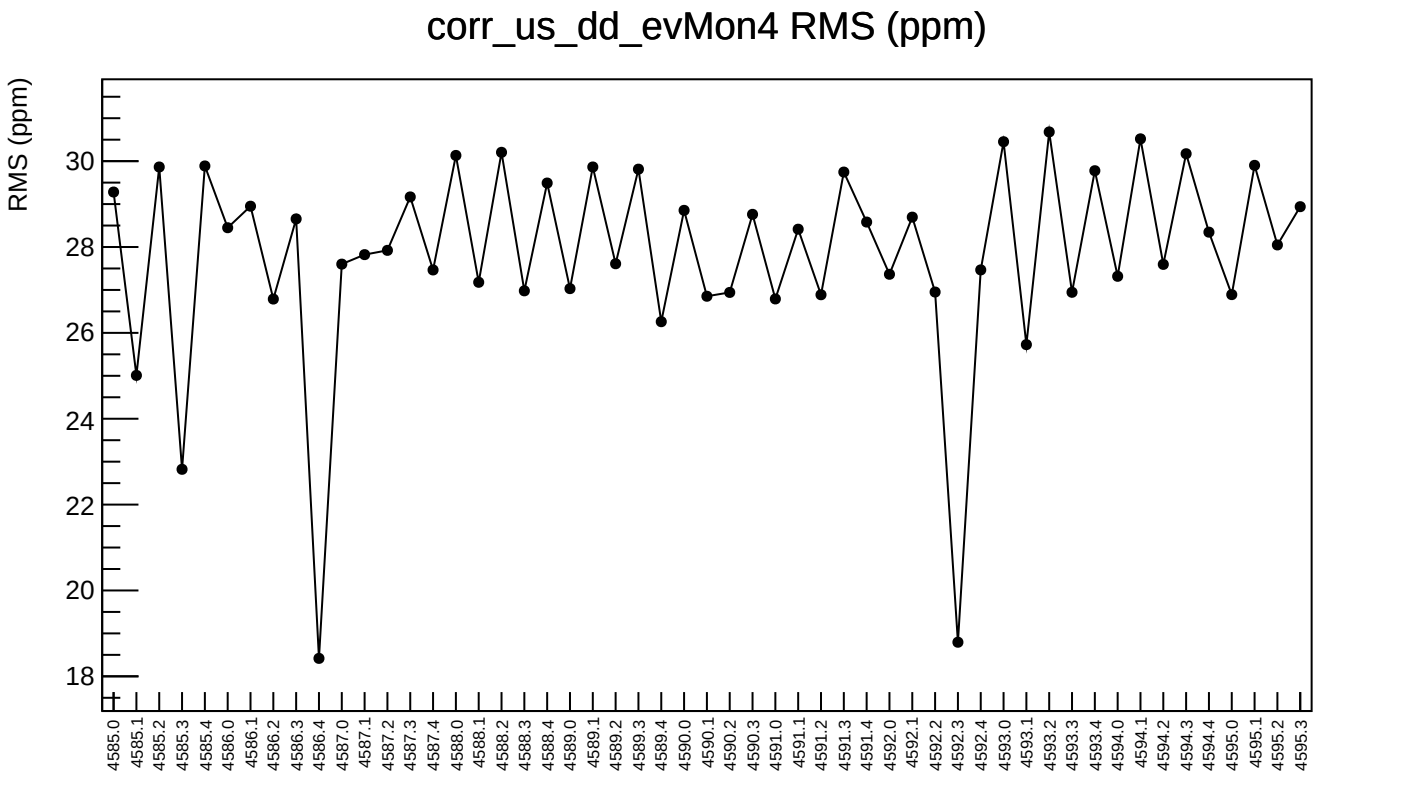

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
18
16
14
12
10
8
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

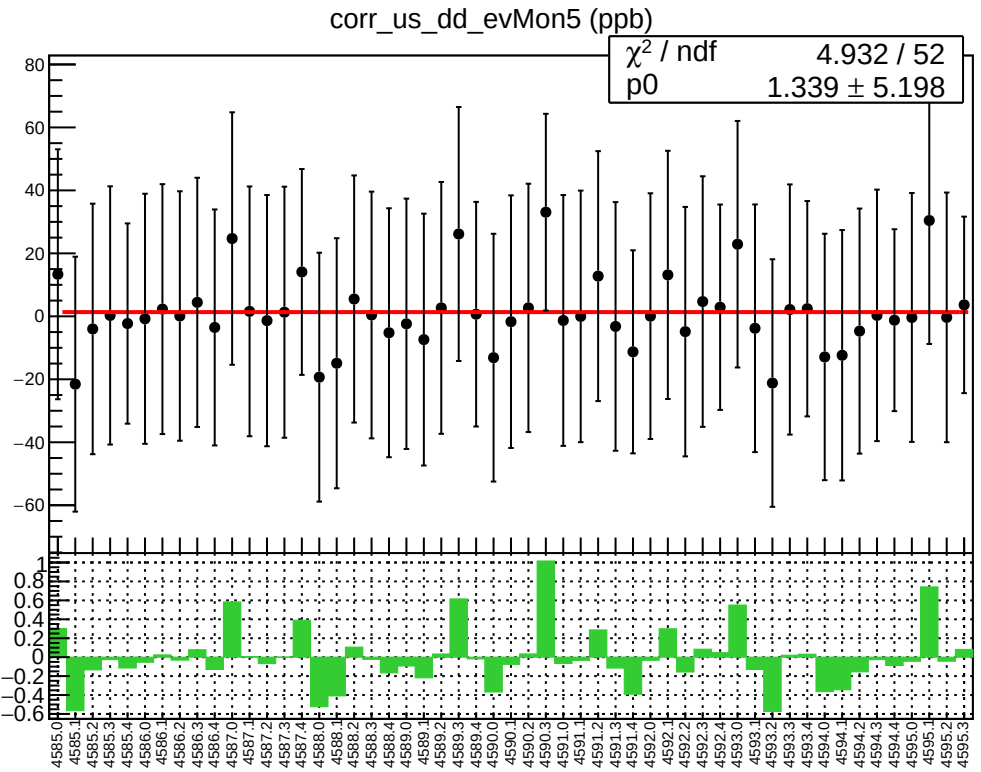

corr_us_dd_evMon3 (ppb)
χ² / ndf 12.87 / 52
p0 −5.204 ± 16.24

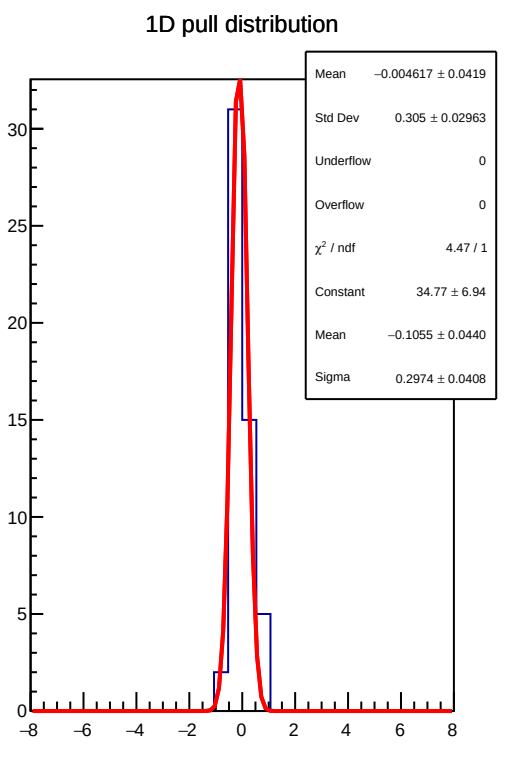

1D pull distribution
Mean 7.516e−05 ± 0.0677
Std Dev 0.4929 ± 0.04787
Underflow 0
Overflow 0
χ² / ndf 0.9637 / 2
Constant 20.39 ± 4.12
Mean 0.03781 ± 0.09223
Sigma 0.5732 ± 0.1128

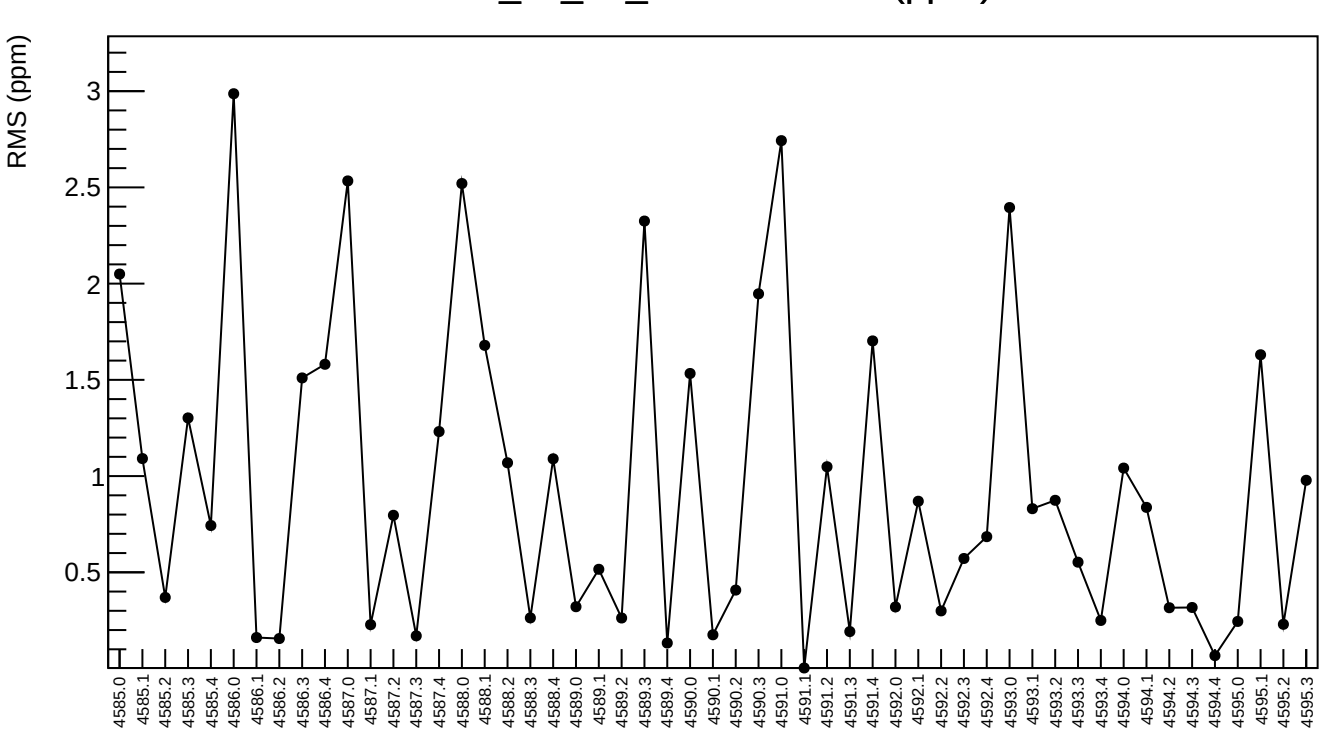

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
10
8
6
4
2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

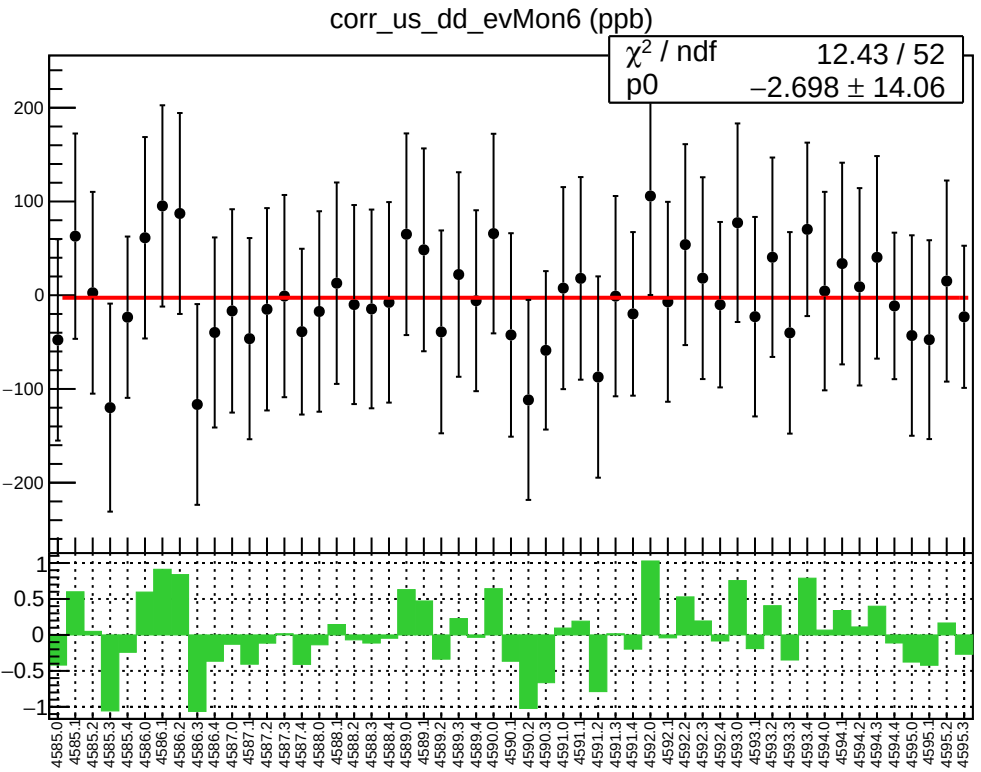

corr_us_dd_evMon4 (ppb)
χ² / ndf 188.5 / 52
p0 20.68 ± 16.46
1D pull distribution
Mean 0.004349 ± 0.259
Std Dev 1.886 ± 0.1832
Underflow 0
Overflow 0
χ² / ndf 15.55 / 11
Constant 4.369 ± 1.000
Mean 0.3274 ± 0.4041
Sigma 2.003 ± 0.470

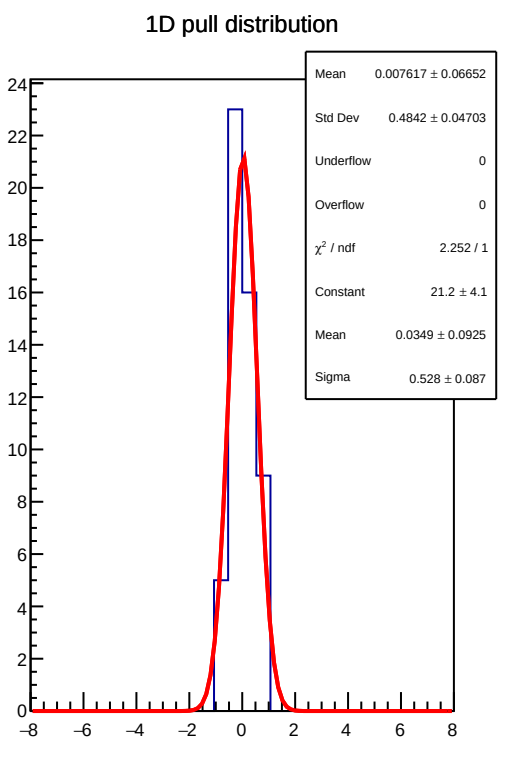

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
30
28
26
24
22
20
18
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

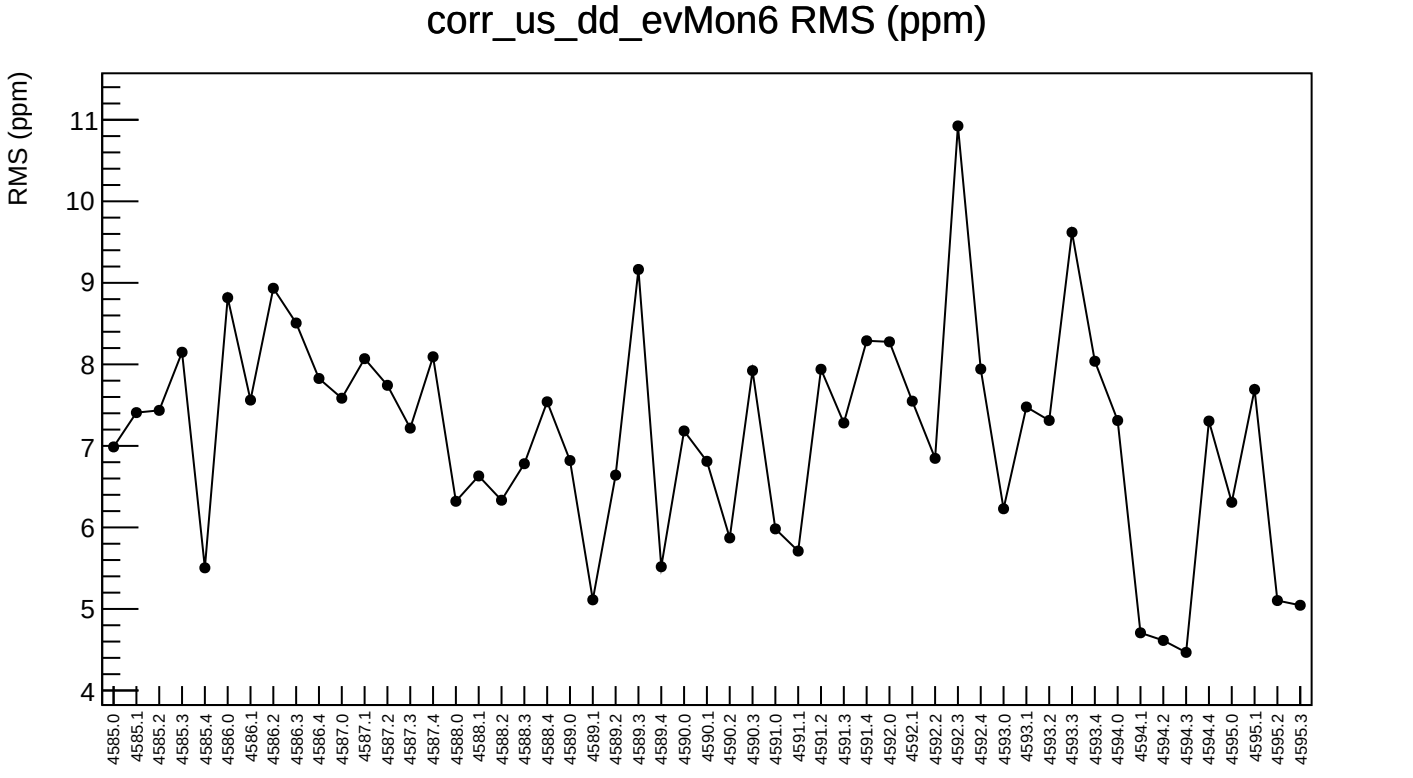

corr_us_dd_evMon5 (ppb)
χ² / ndf 4.932 / 52
p0 1.339 ± 5.198

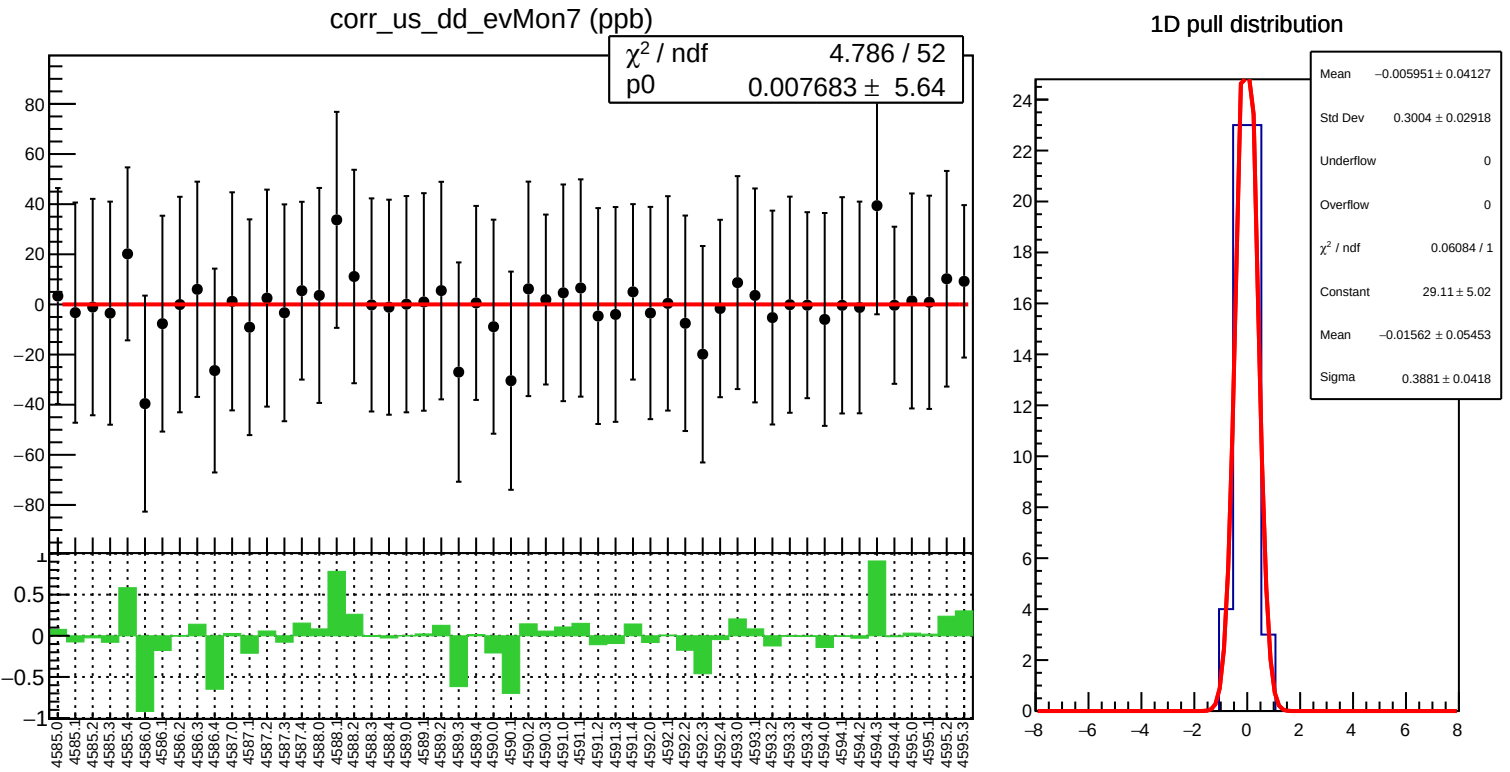

1D pull distribution
Mean −0.004617 ± 0.0419
Std Dev 0.305 ± 0.02963
Underflow 0
Overflow 0
χ² / ndf 4.47 / 1
Constant 34.77 ± 6.94
Mean −0.1055 ± 0.0440
Sigma 0.2974 ± 0.0408

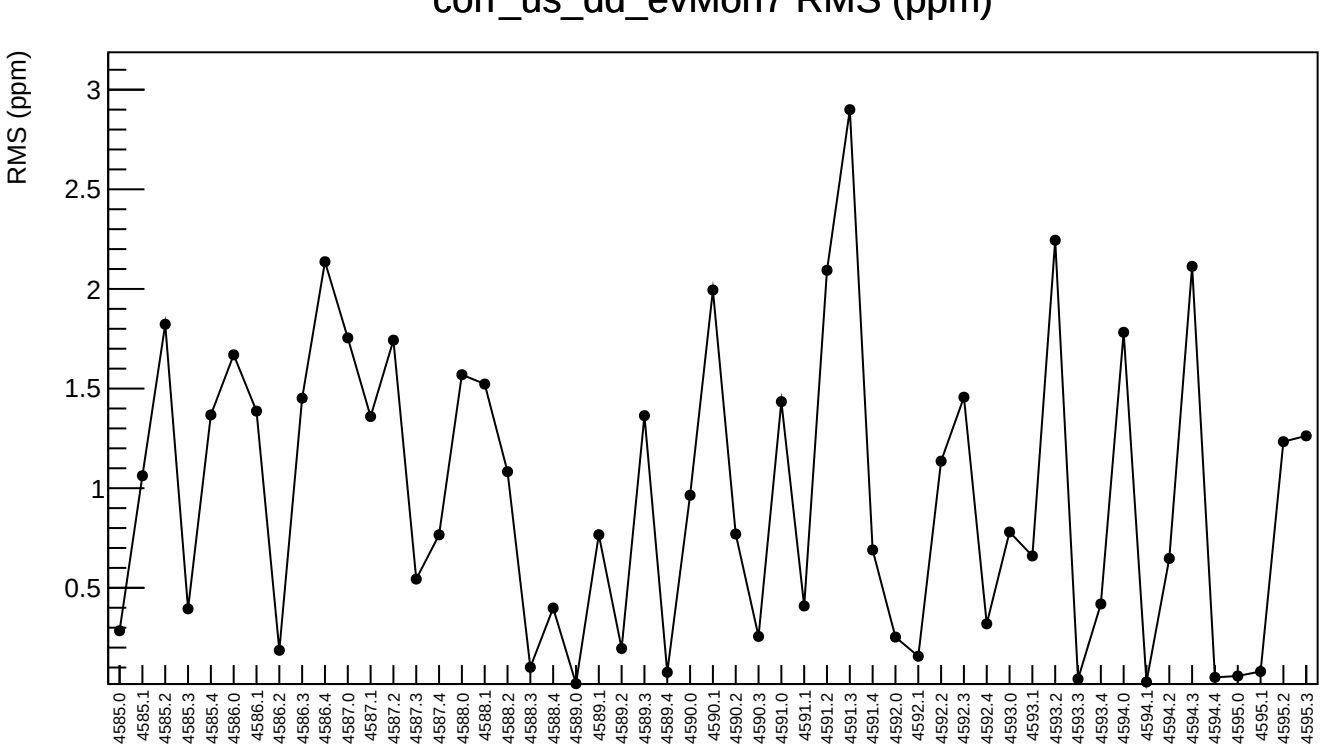

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

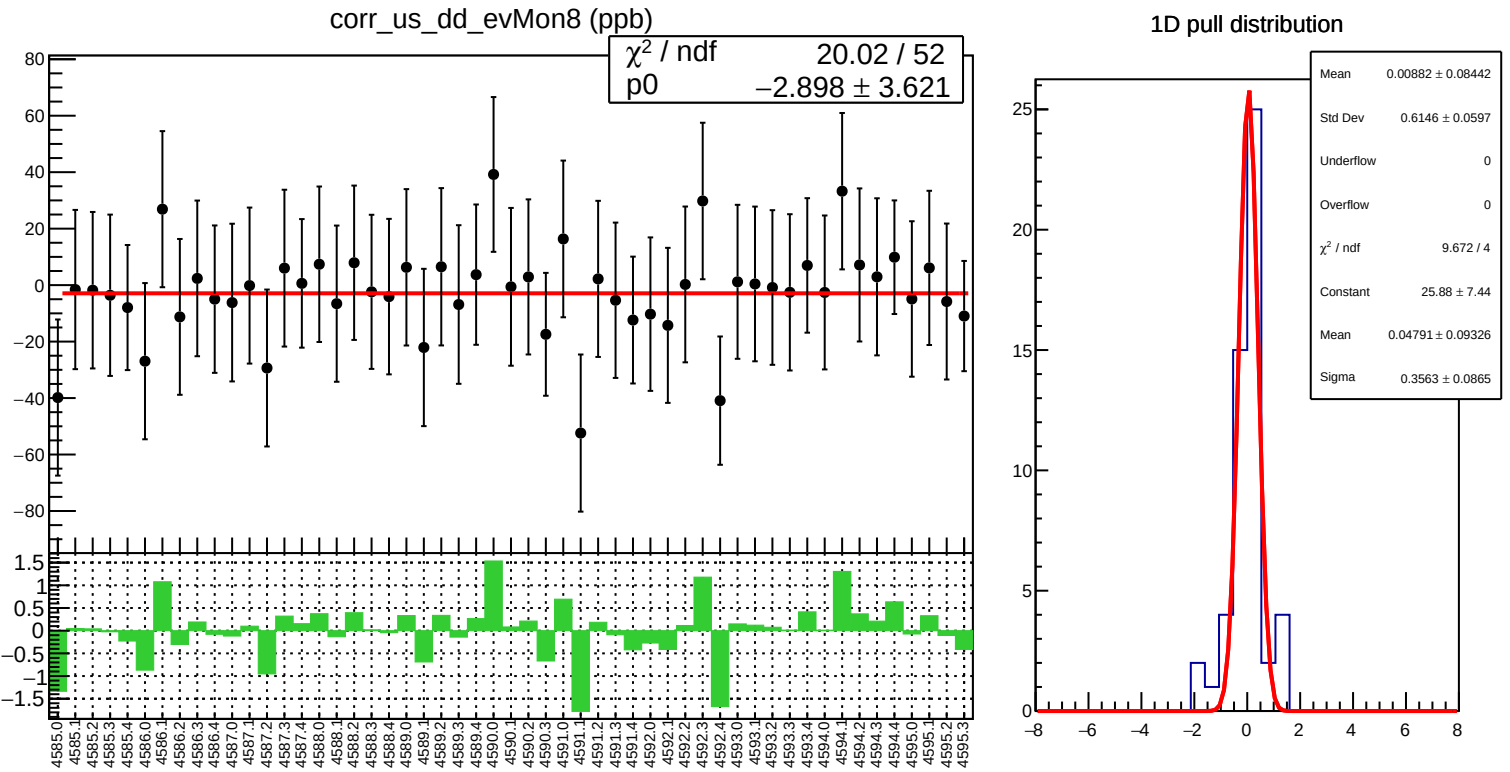

corr_us_dd_evMon6 (ppb)
χ² / ndf 12.43 / 52
p0 −2.698 ± 14.06
200
100
0
−100
−200
1
0.5
0
−0.5
−1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

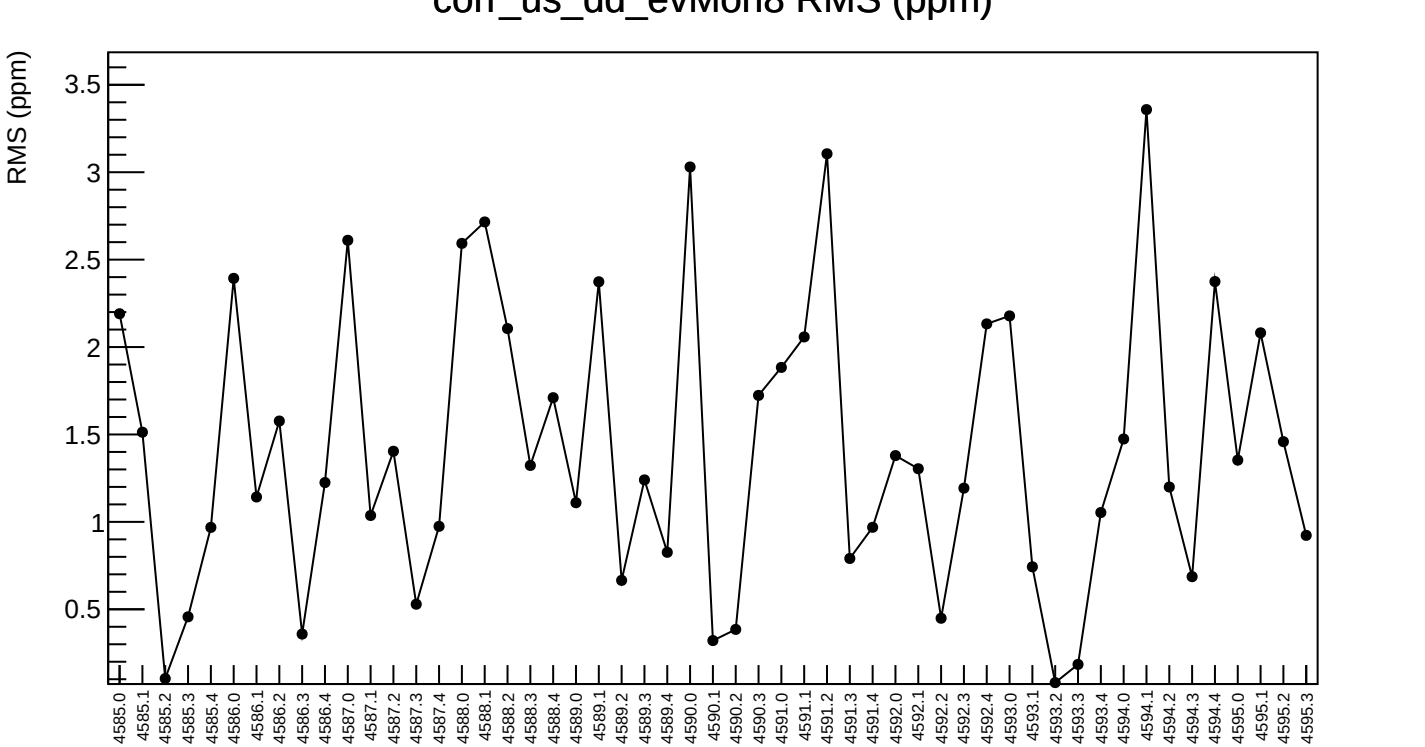

1D pull distribution
Mean 0.007617 ± 0.06652
Std Dev 0.4842 ± 0.04703
Underflow 0
Overflow 0
χ² / ndf 2.252 / 1
Constant 21.2 ± 4.1
Mean 0.0349 ± 0.0925
Sigma 0.528 ± 0.087
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

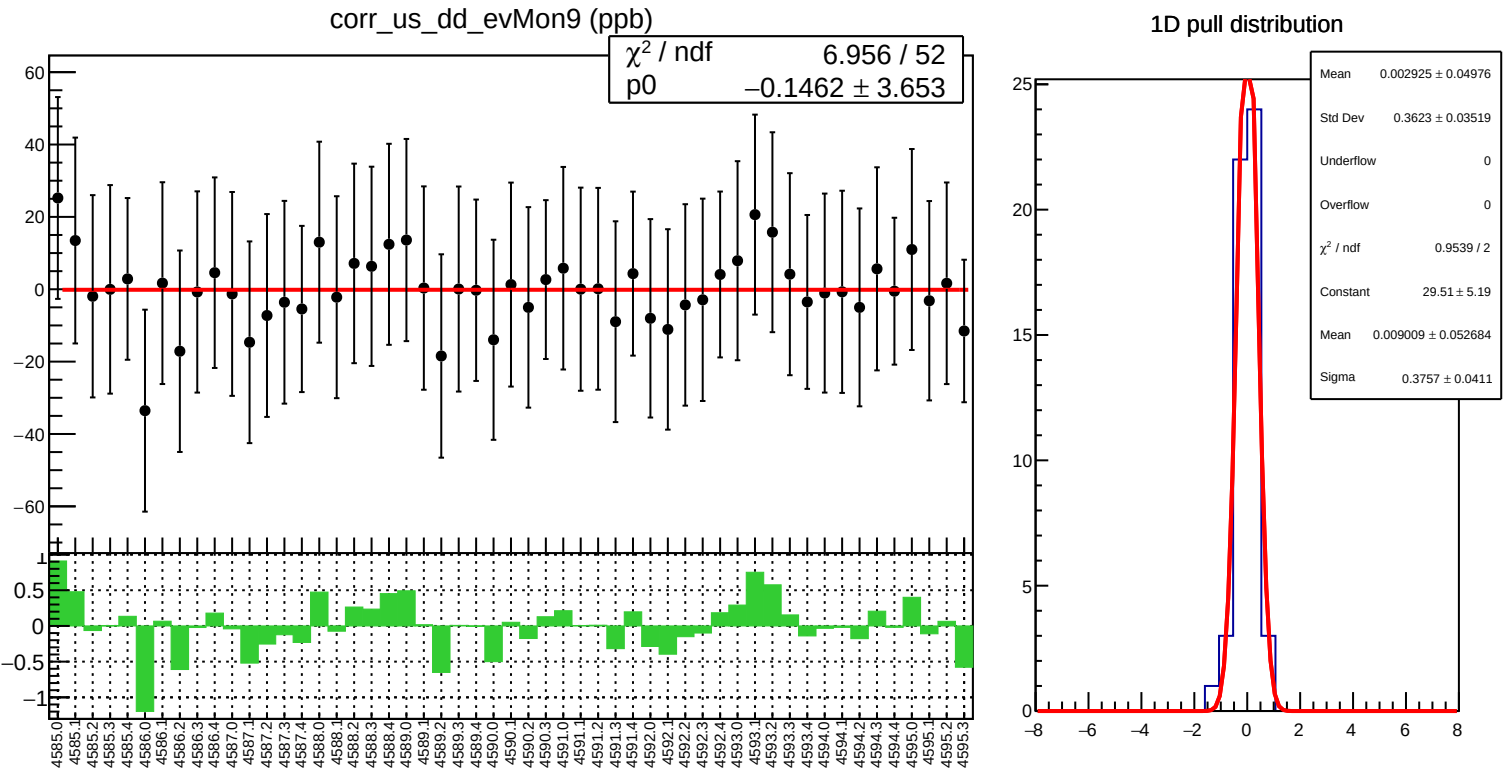

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

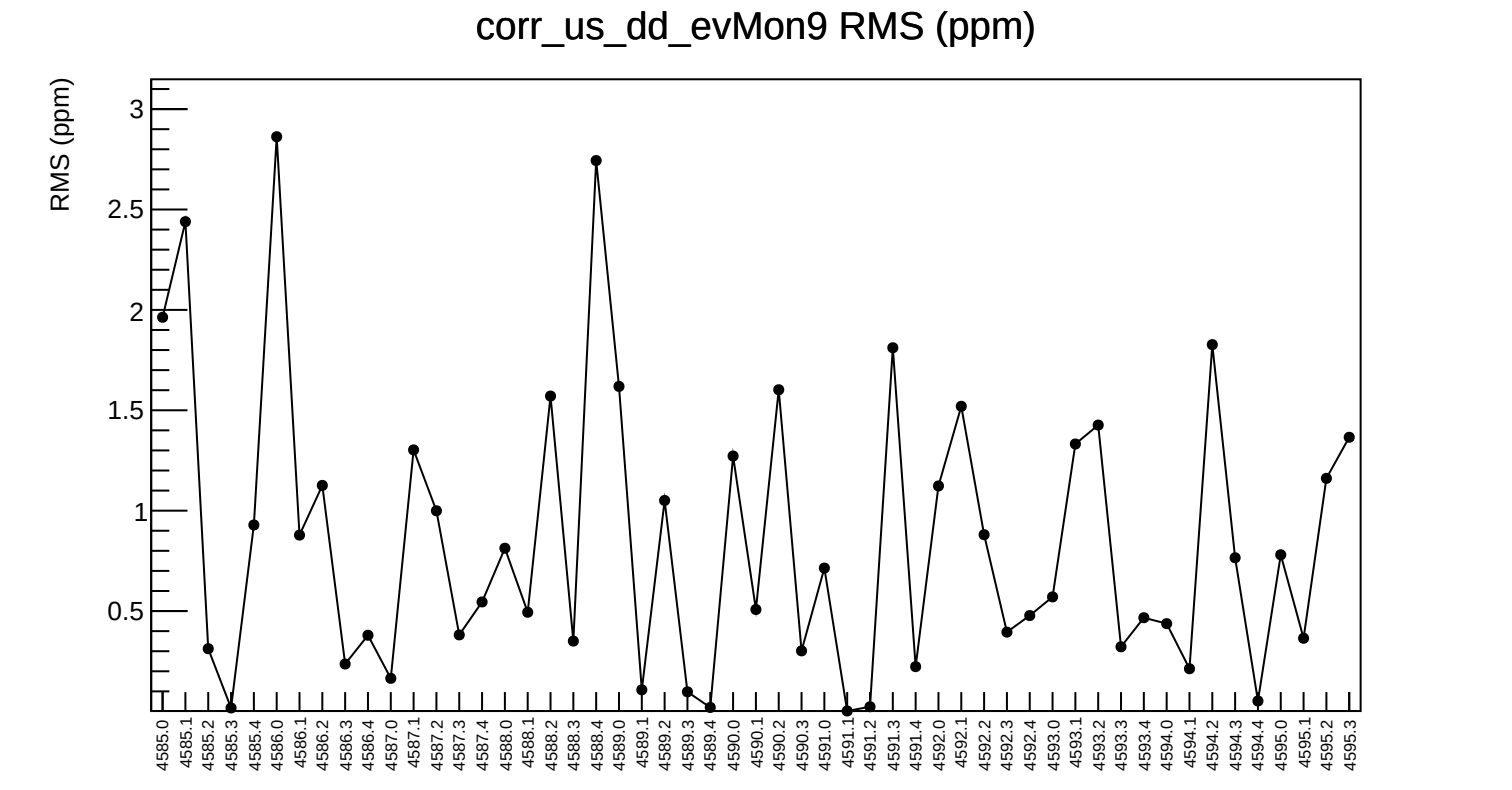

corr_us_dd_evMon7 (ppb)
χ² / ndf 4.786 / 52
p0 0.007683 ± 5.64
1D pull distribution
Mean −0.005951 ± 0.04127
Std Dev 0.3004 ± 0.02918
Underflow 0
Overflow 0
χ² / ndf 0.06084 / 1
Constant 29.11 ± 5.02
Mean −0.01562 ± 0.05453
Sigma 0.3881 ± 0.0418

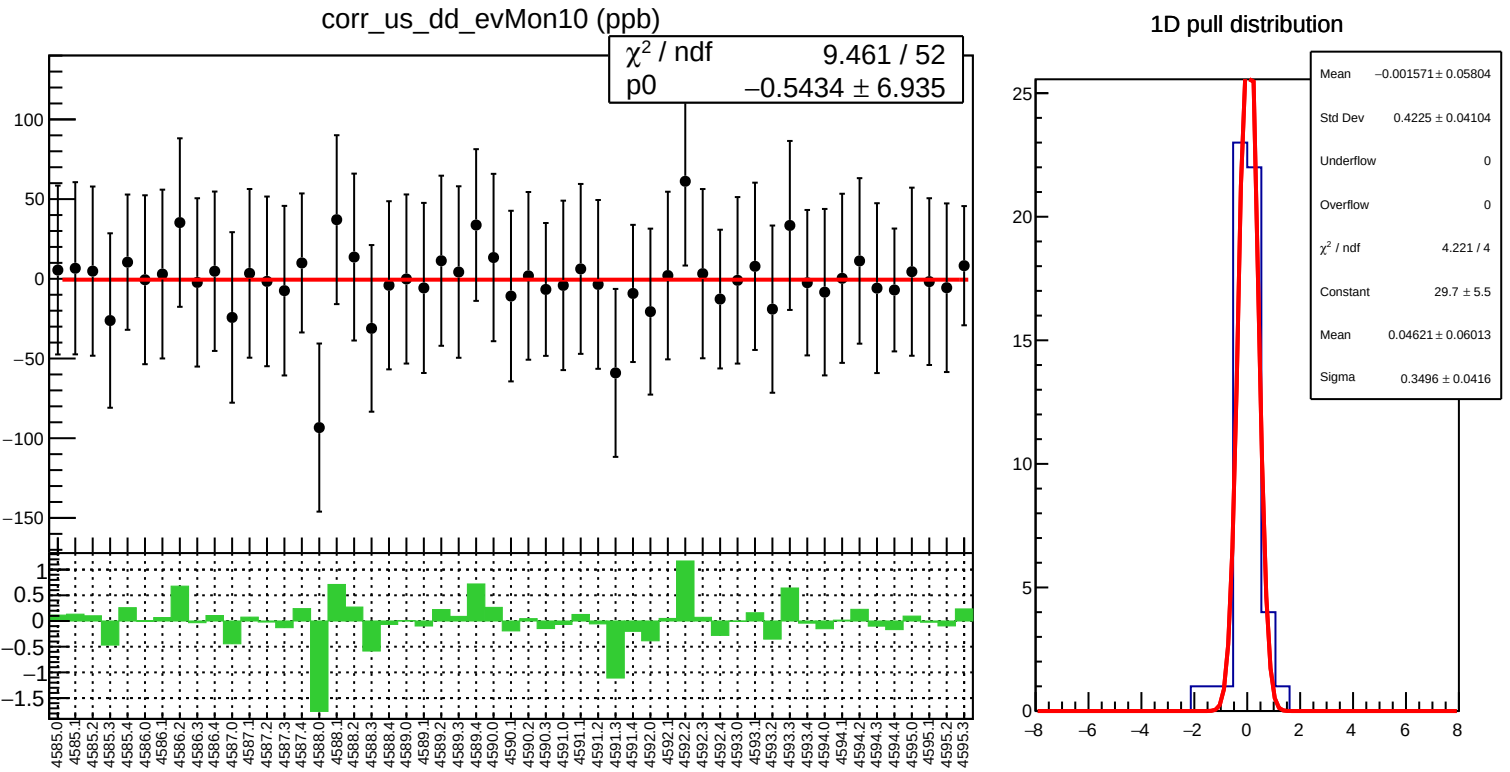

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

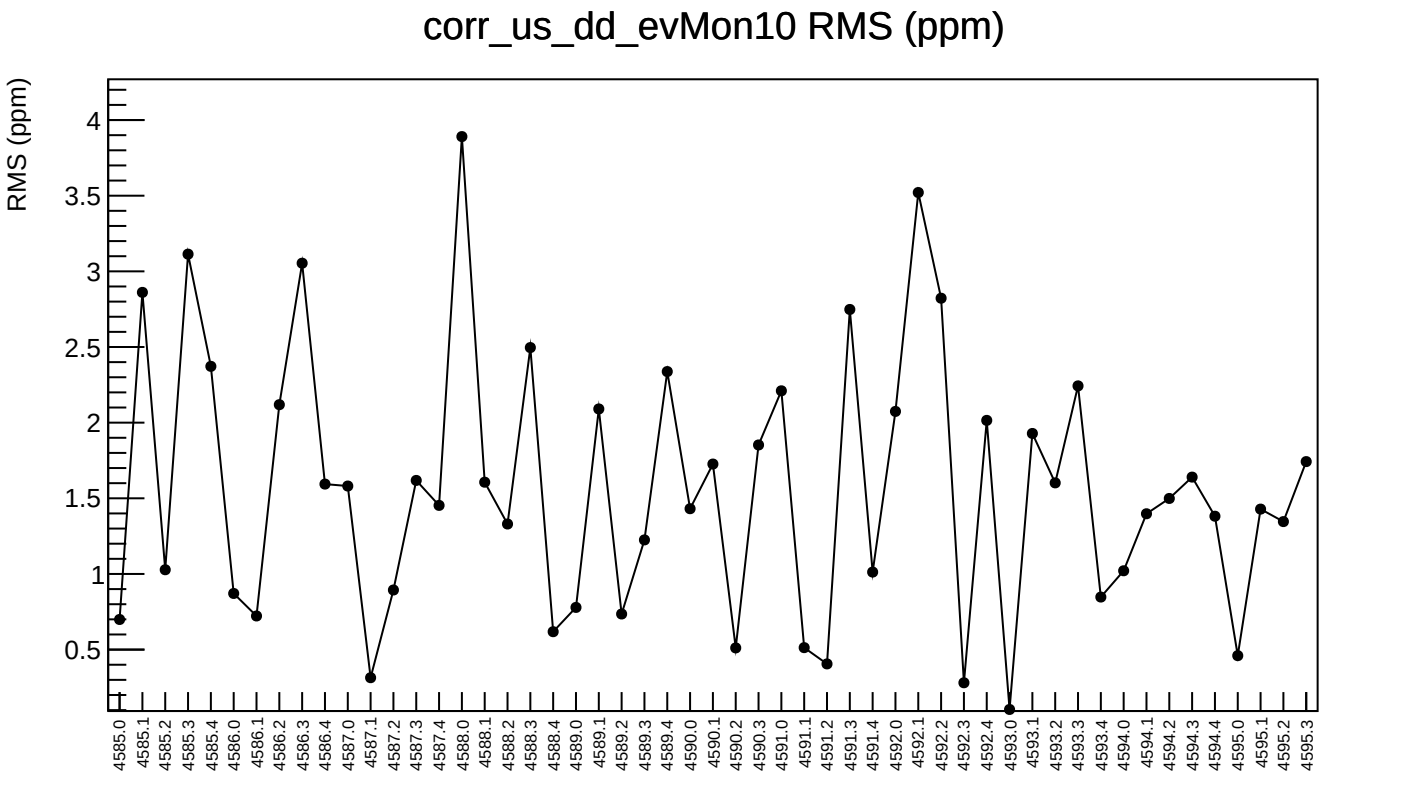

corr_us_dd_evMon8 (ppb)
χ² / ndf 20.02 / 52
p0 −2.898 ± 3.621
1D pull distribution
Mean 0.00882 ± 0.08442
Std Dev 0.6146 ± 0.0597
Underflow 0
Overflow 0
χ² / ndf 9.672 / 4
Constant 25.88 ± 7.44
Mean 0.04791 ± 0.09326
Sigma 0.3563 ± 0.0865

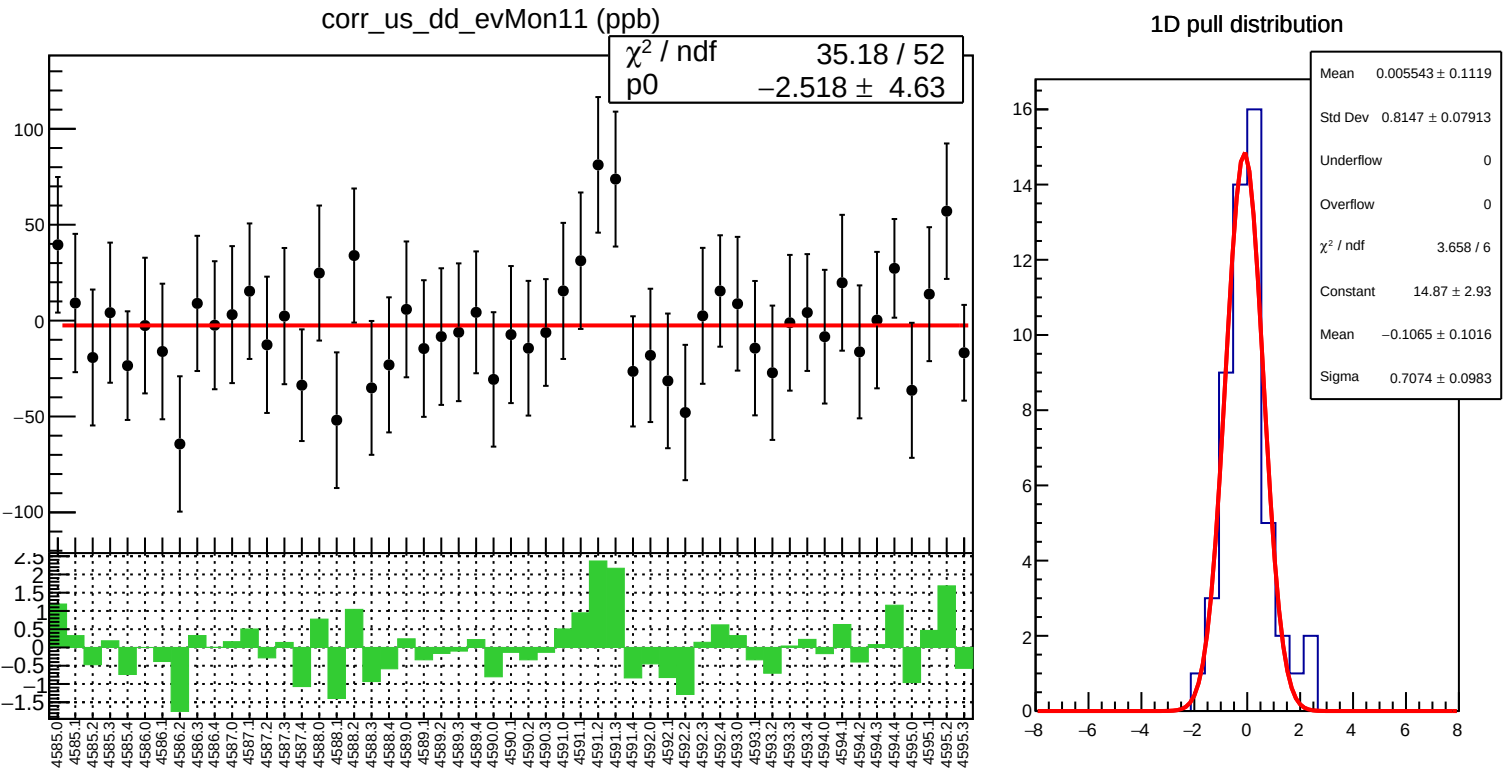

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

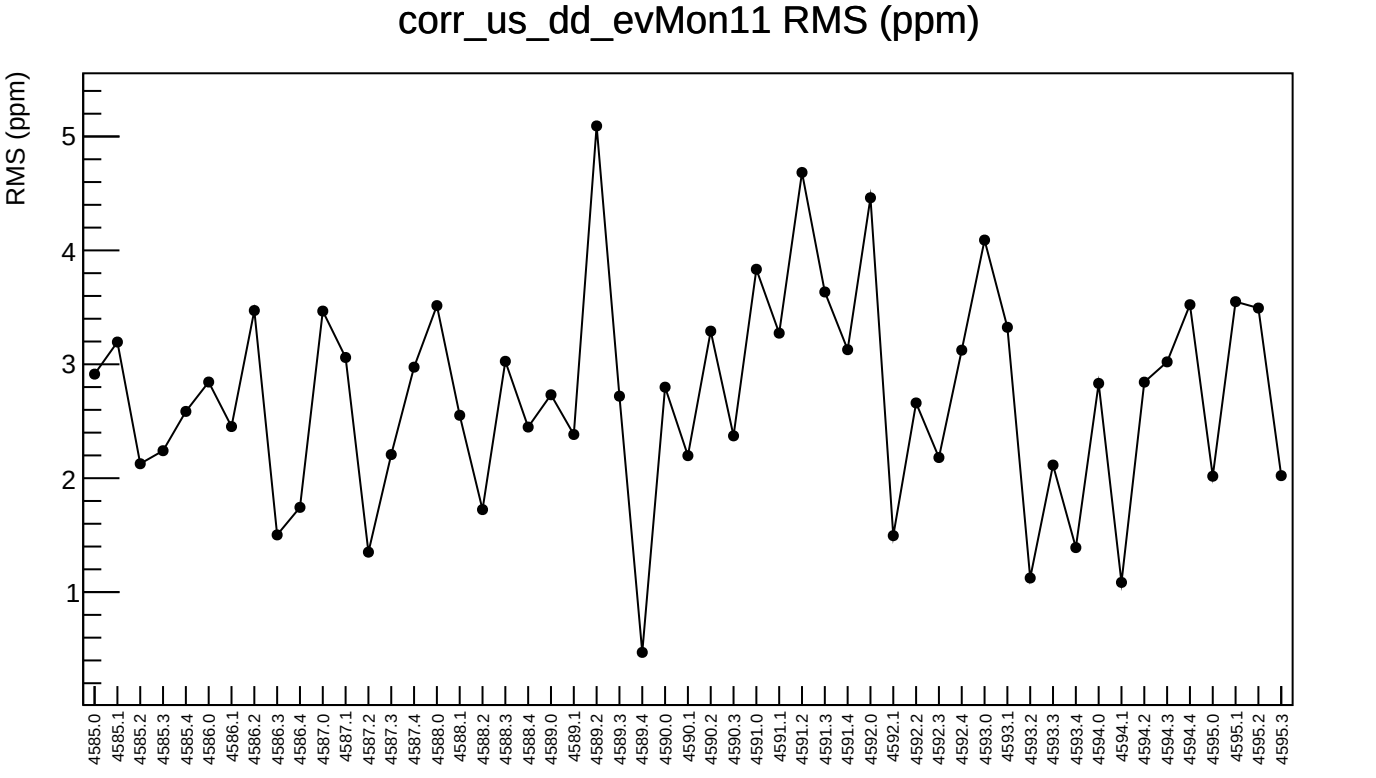

corr_us_dd_evMon9 (ppb)
χ² / ndf 6.956 / 52
p0 −0.1462 ± 3.653
1D pull distribution
Mean 0.002925 ± 0.04976
Std Dev 0.3623 ± 0.03519
Underflow 0
Overflow 0
χ² / ndf 0.9539 / 2
Constant 29.51 ± 5.19
Mean 0.009009 ± 0.052684
Sigma 0.3757 ± 0.0411

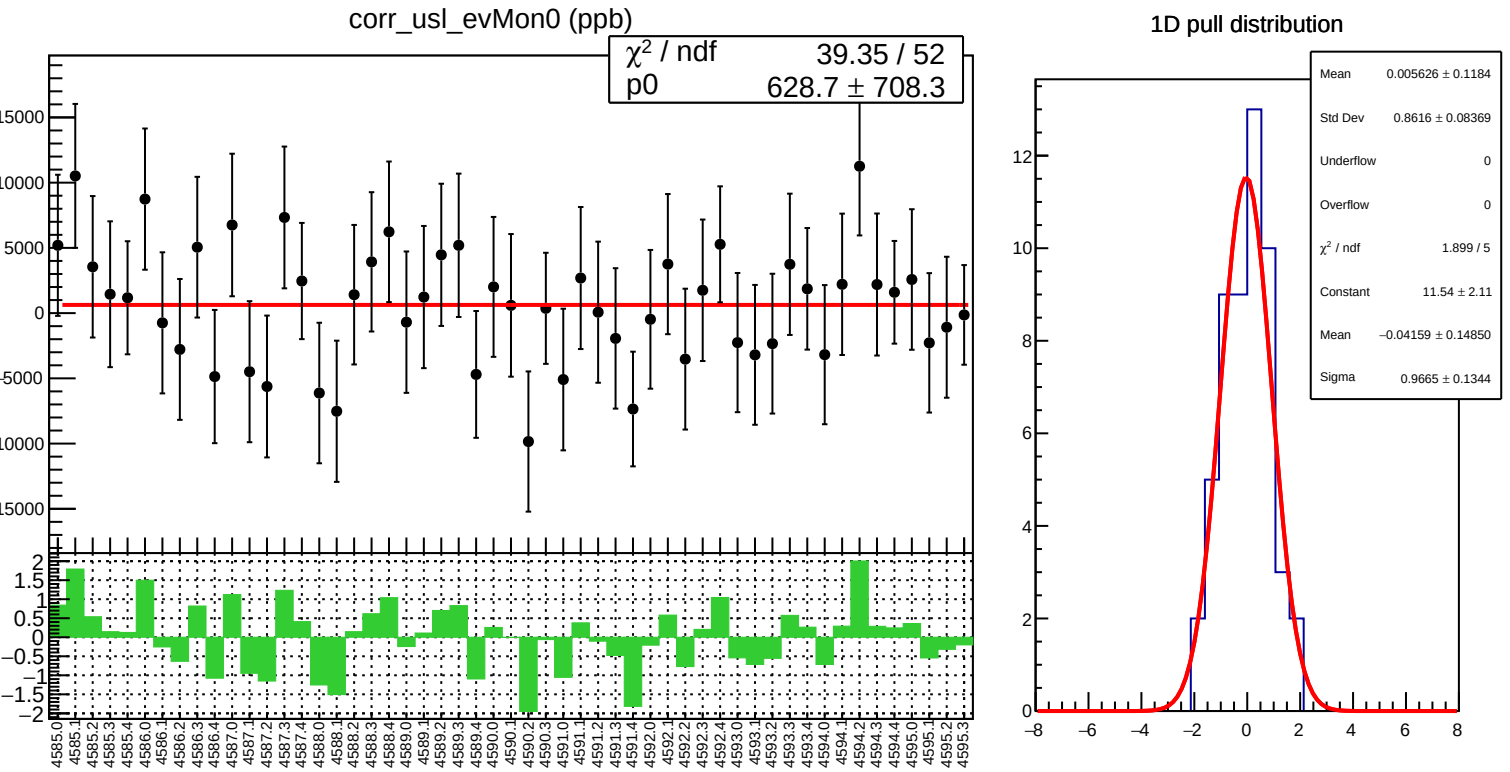

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

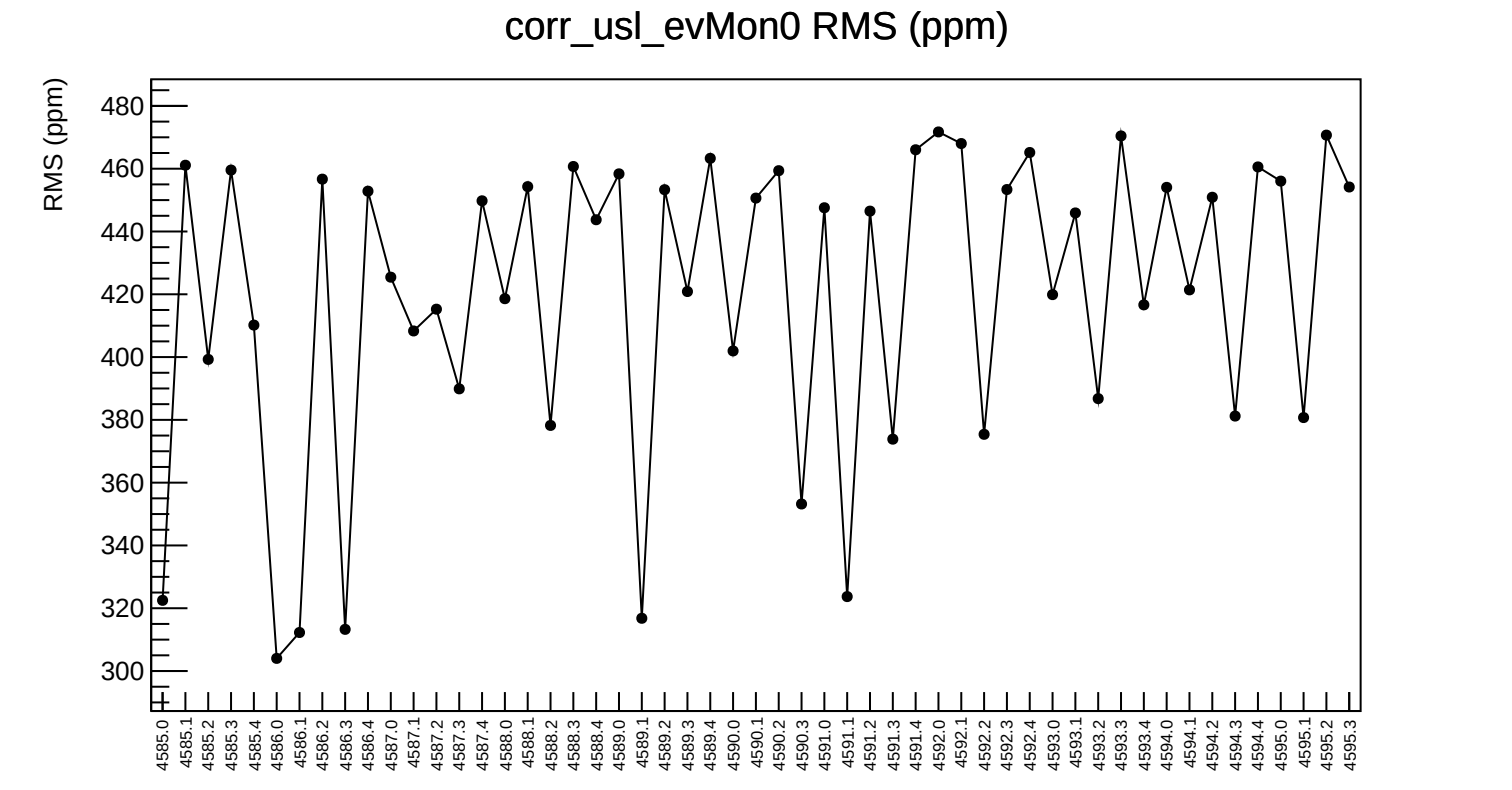

corr_us_dd_evMon10 (ppb)
χ² / ndf 9.461 / 52
p0 −0.5434 ± 6.935
1D pull distribution
Mean −0.001571 ± 0.05804
Std Dev 0.4225 ± 0.04104
Underflow 0
Overflow 0
χ² / ndf 4.221 / 4
Constant 29.7 ± 5.5
Mean 0.04621 ± 0.06013
Sigma 0.3496 ± 0.0416

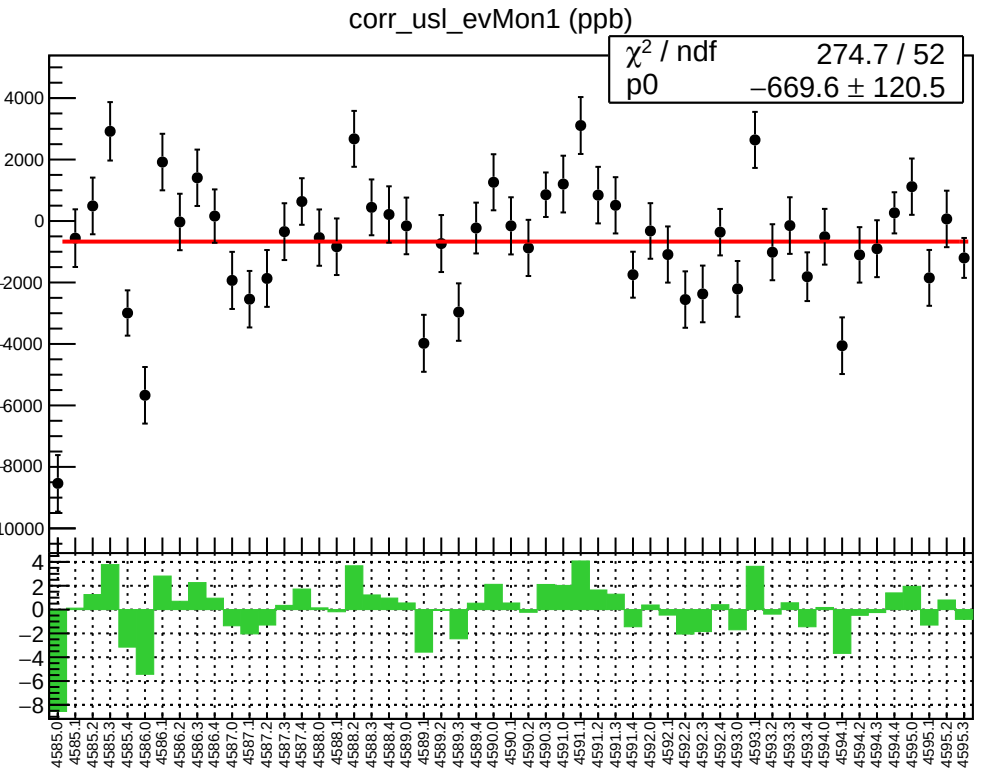

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

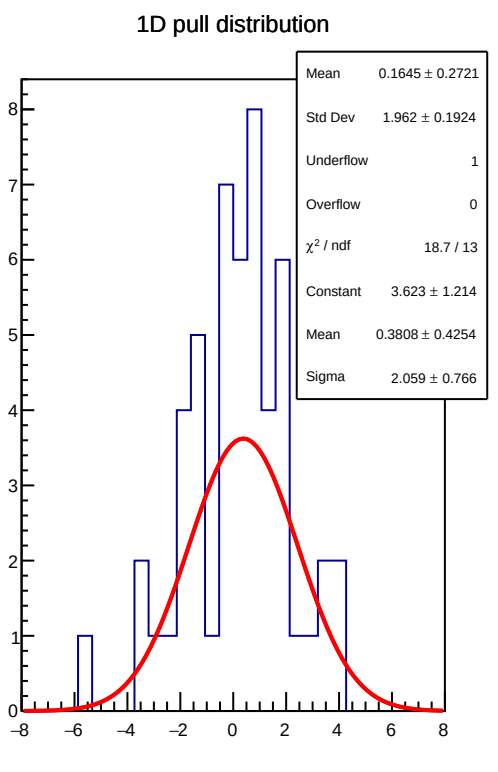

corr_us_dd_evMon11 (ppb)
χ² / ndf 35.18 / 52
p0 −2.518 ± 4.63
1D pull distribution
Mean 0.005543 ± 0.1119
Std Dev 0.8147 ± 0.07913
Underflow 0
Overflow 0
χ² / ndf 3.658 / 6
Constant 14.87 ± 2.93
Mean −0.1065 ± 0.1016
Sigma 0.7074 ± 0.0983

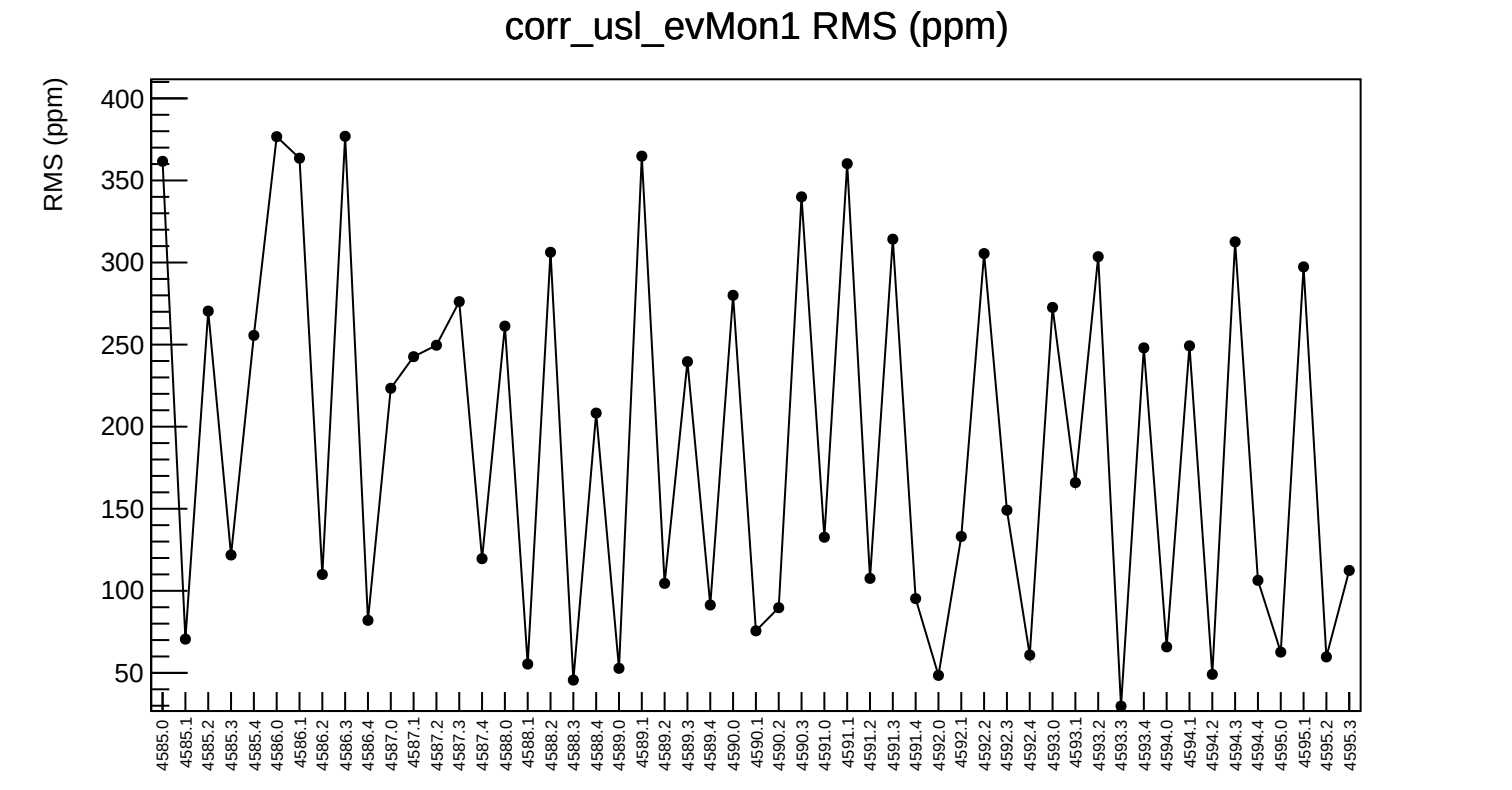

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

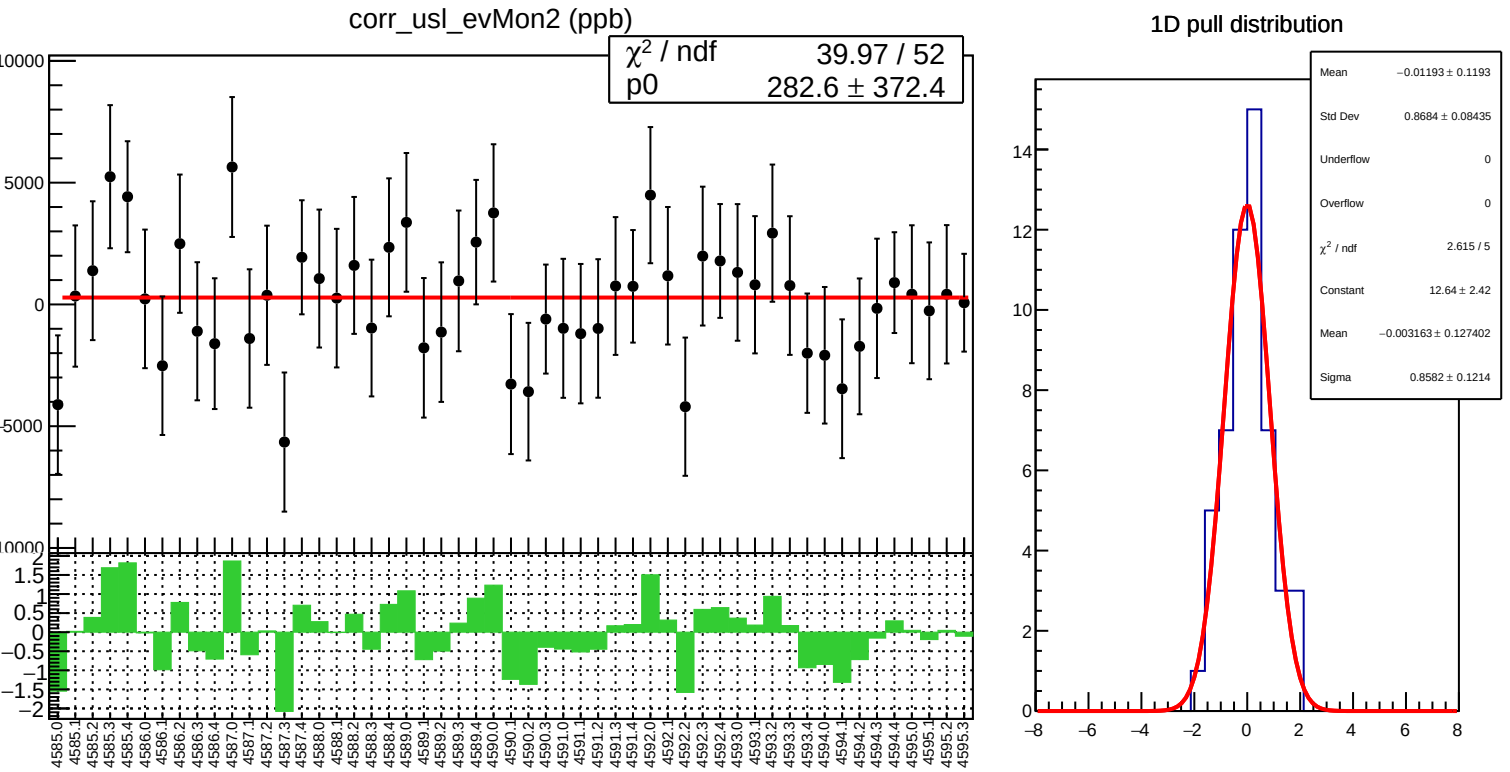

corr_usl_evMon0 (ppb)
χ² / ndf 39.35 / 52
p0 628.7 ± 708.3
15000
10000
5000
0
−5000
−10000
−15000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3
1D pull distribution
Mean 0.005626 ± 0.1184
Std Dev 0.8616 ± 0.08369
Underflow 0
Overflow 0
χ² / ndf 1.899 / 5
Constant 11.54 ± 2.11
Mean −0.04159 ± 0.14850
Sigma 0.9665 ± 0.1344
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

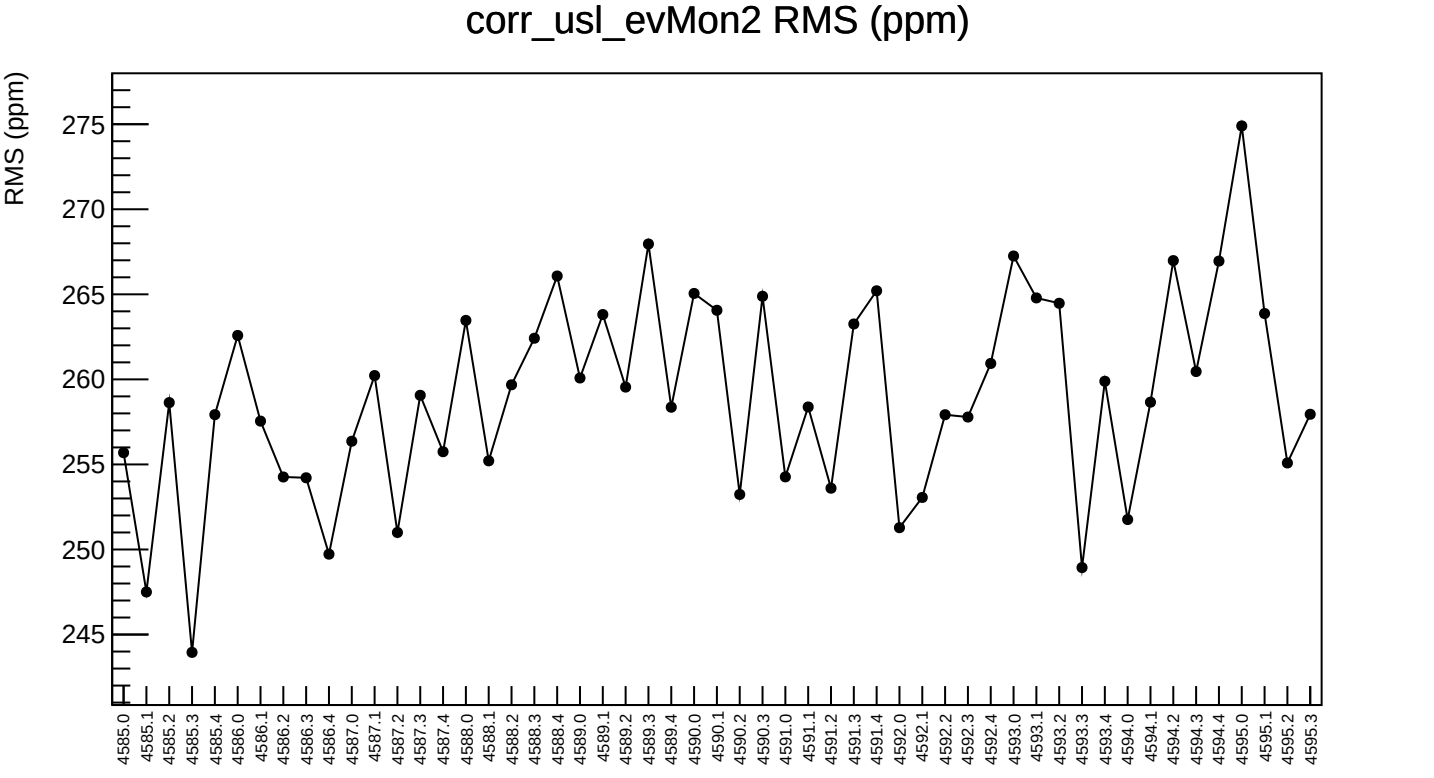

corr_usl_evMon0 RMS (ppm)
RMS (ppm)
480
460
440
420
400
380
360
340
320
300
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

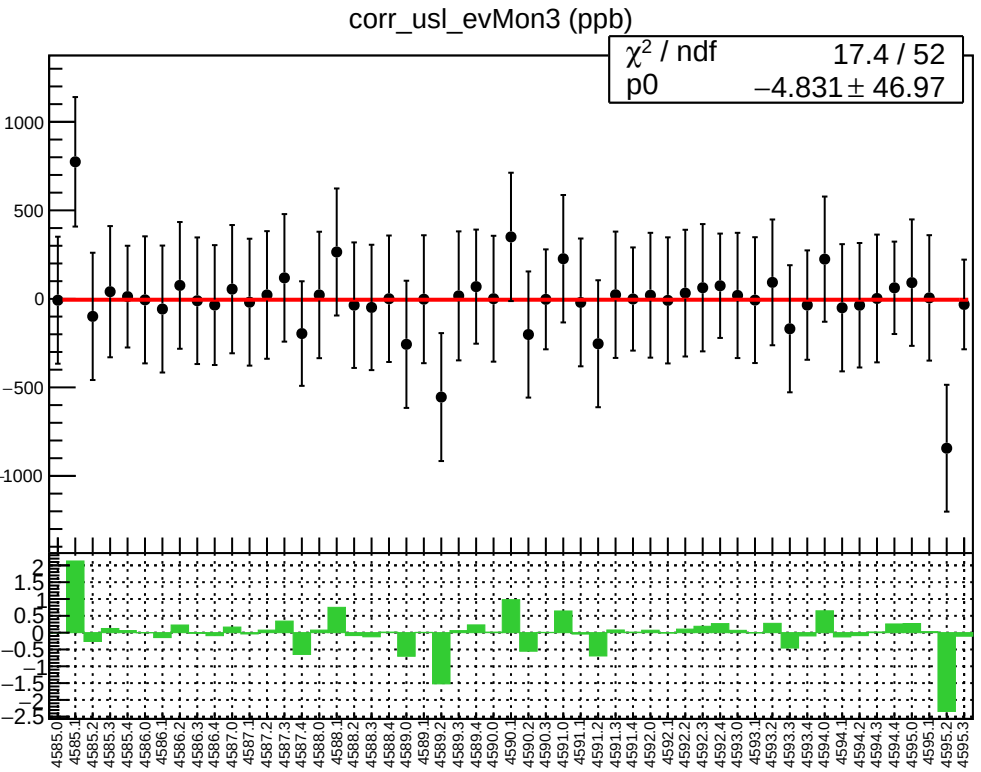

corr_usl_evMon1 (ppb)
χ² / ndf 274.7 / 52
p0 −669.6 ± 120.5
4000
2000
0
-2000
-4000
-6000
-8000
-10000
4
2
0
−2
−4
−6
−8
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

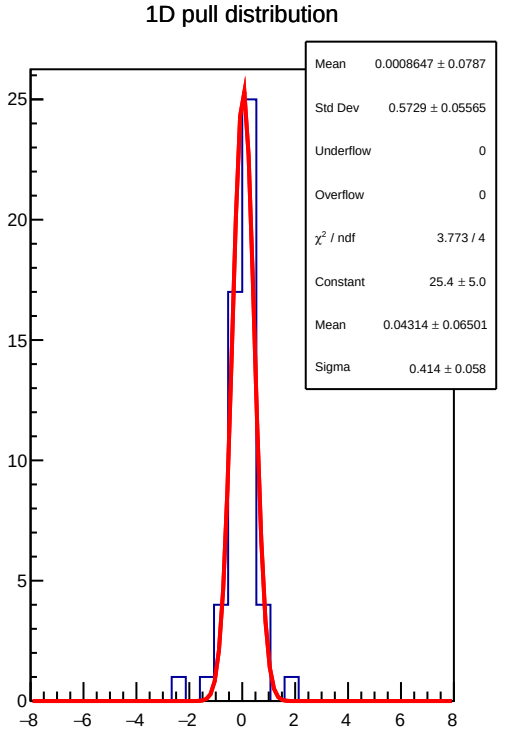

1D pull distribution
Mean 0.1645 ± 0.2721
Std Dev 1.962 ± 0.1924
Underflow 1
Overflow 0
χ² / ndf 18.7 / 13
Constant 3.623 ± 1.214
Mean 0.3808 ± 0.4254
Sigma 2.059 ± 0.766
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

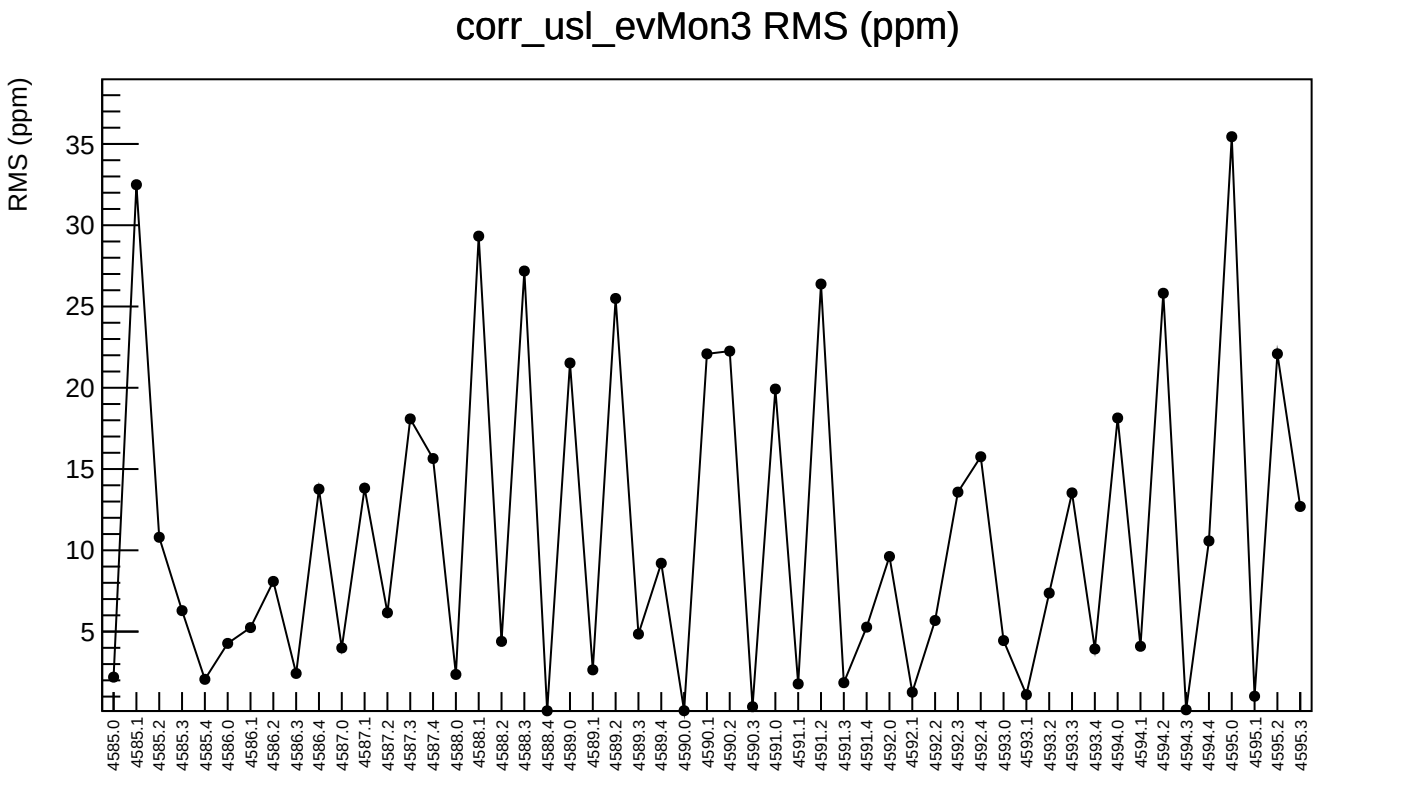

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
400
350
300
250
200
150
100
50
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

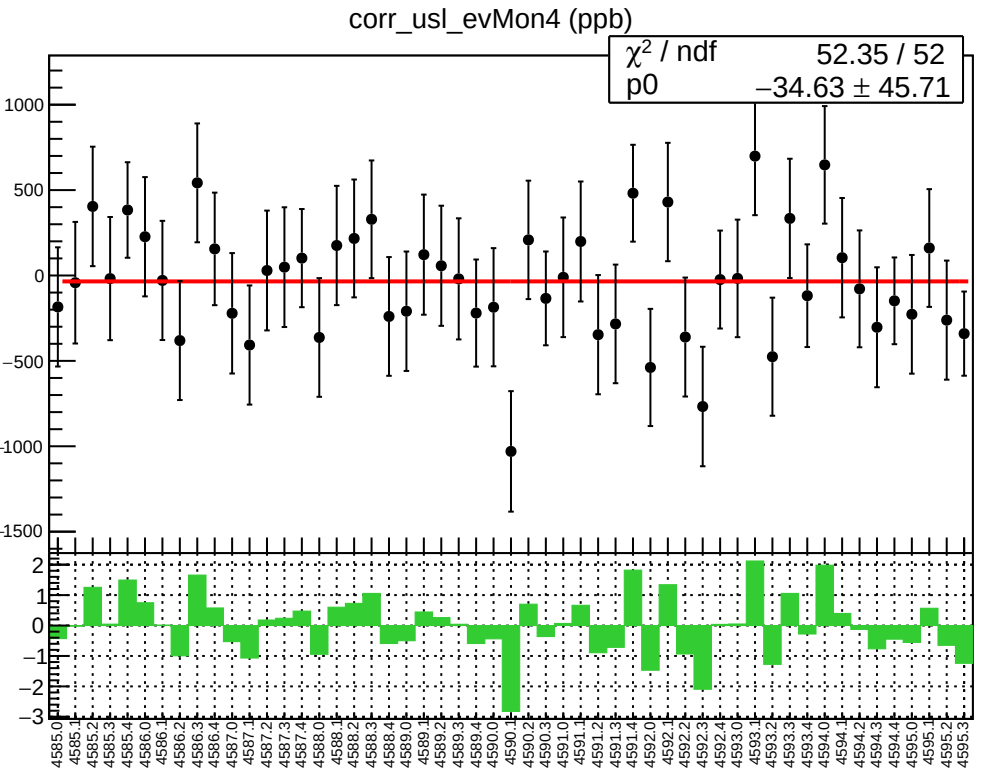

corr_usl_evMon2 (ppb)
χ² / ndf 39.97 / 52
p0 282.6 ± 372.4
1D pull distribution
Mean −0.01193 ± 0.1193
Std Dev 0.8684 ± 0.08435
Underflow 0
Overflow 0
χ² / ndf 2.615 / 5
Constant 12.64 ± 2.42
Mean −0.003163 ± 0.127402
Sigma 0.8582 ± 0.1214

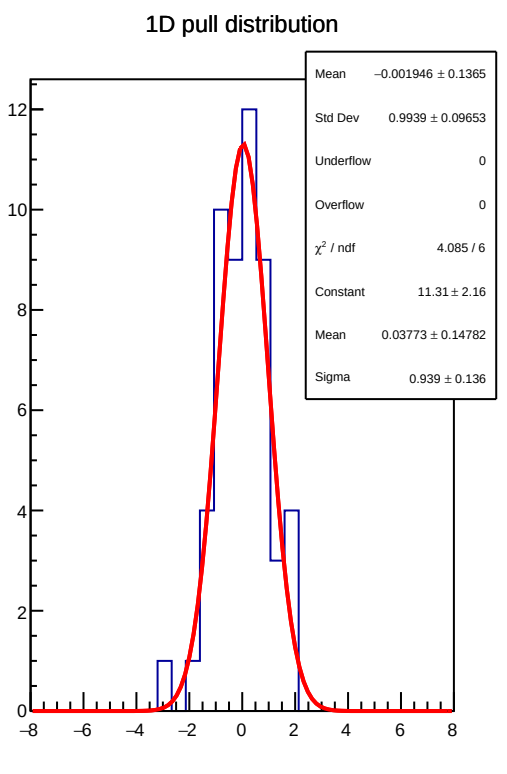

corr_usl_evMon2 RMS (ppm)
RMS (ppm)
275
270
265
260
255
250
245
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

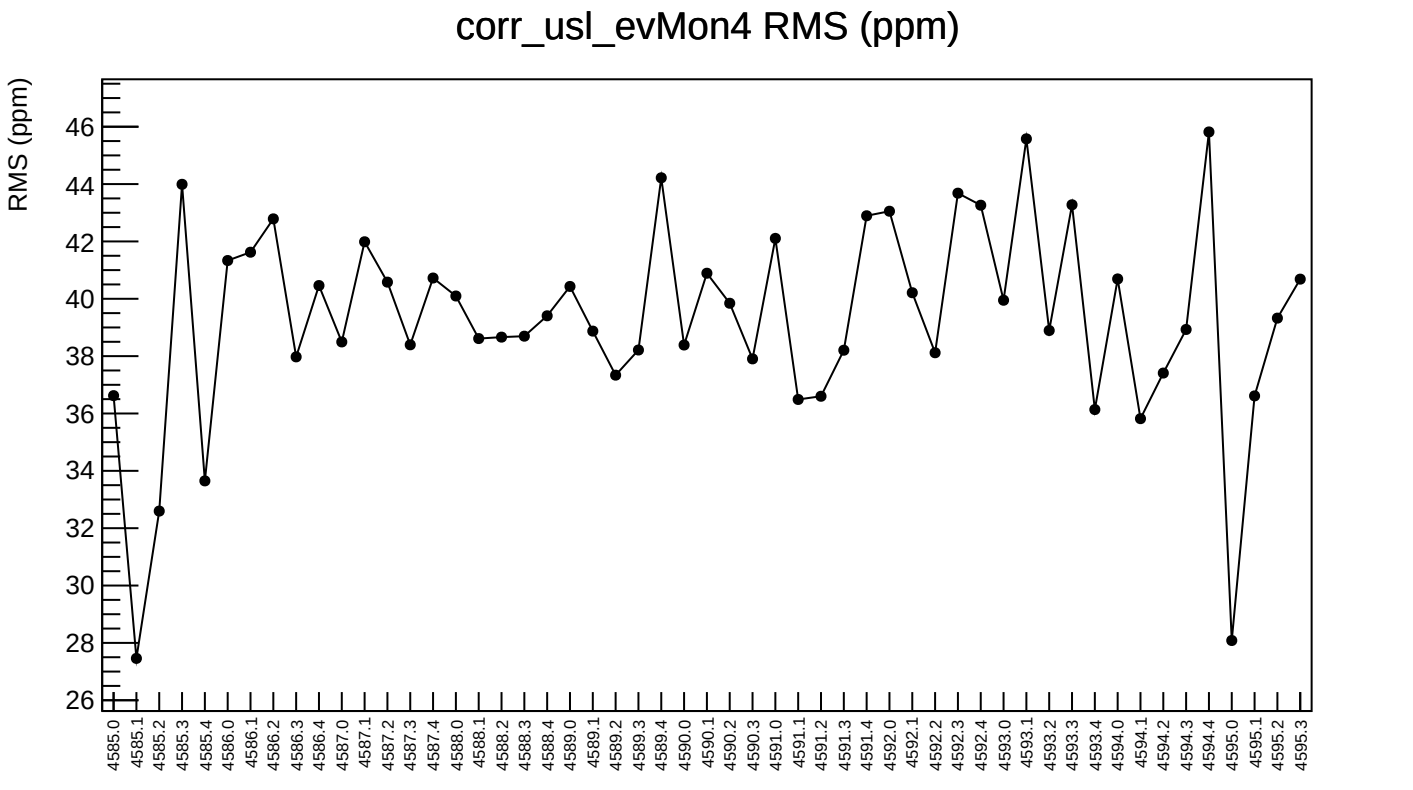

corr_usl_evMon3 (ppb)
χ² / ndf 17.4 / 52
p0 −4.831 ± 46.97
1000
500
0
−500
−1000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

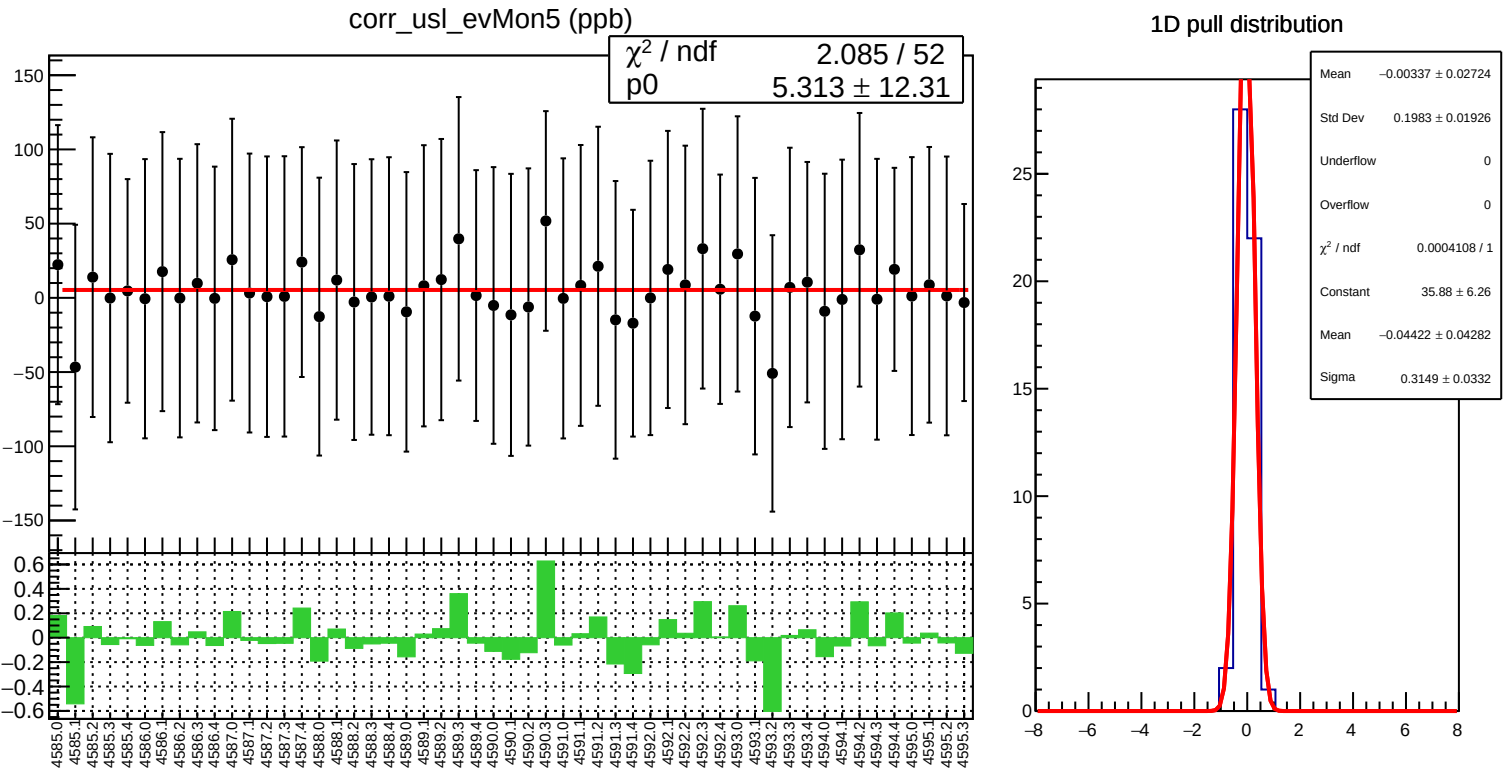

1D pull distribution
Mean 0.0008647 ± 0.0787
Std Dev 0.5729 ± 0.05565
Underflow 0
Overflow 0
χ² / ndf 3.773 / 4
Constant 25.4 ± 5.0
Mean 0.04314 ± 0.06501
Sigma 0.414 ± 0.058
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

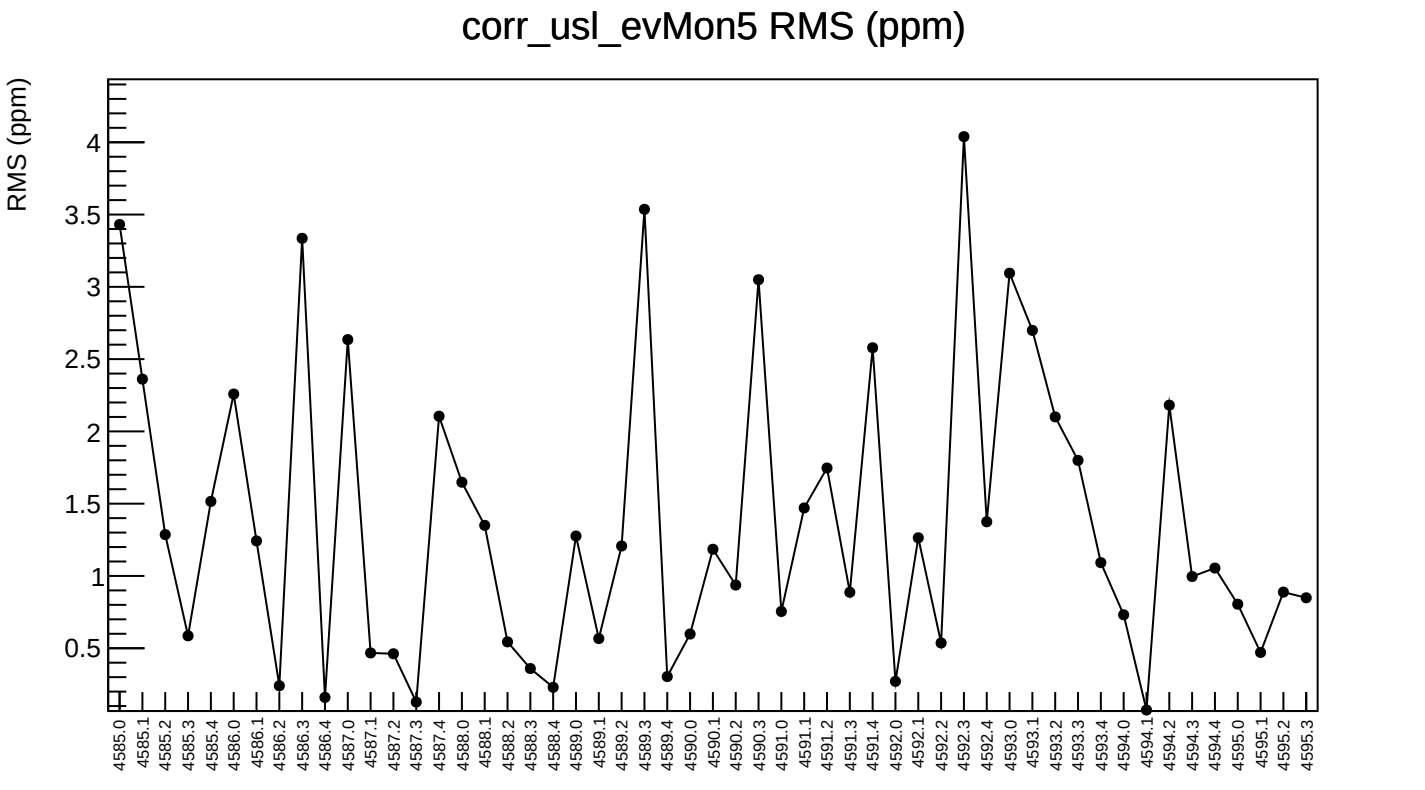

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
35
30
25
20
15
10
5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

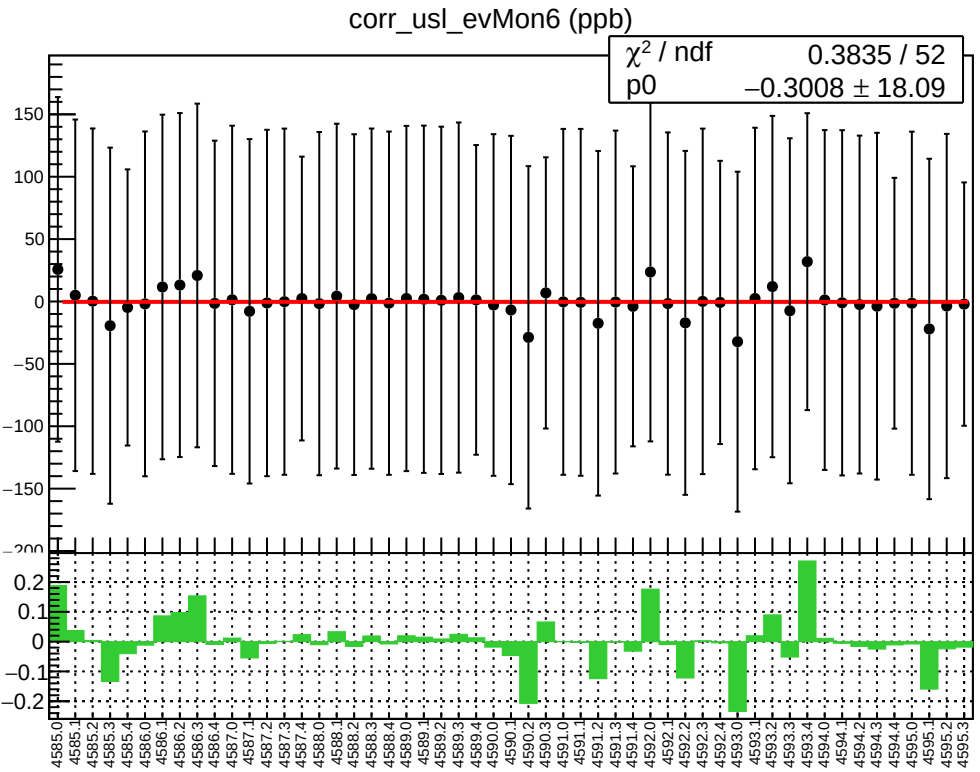

corr_usl_evMon4 (ppb)
χ² / ndf 52.35 / 52
p0 −34.63 ± 45.71

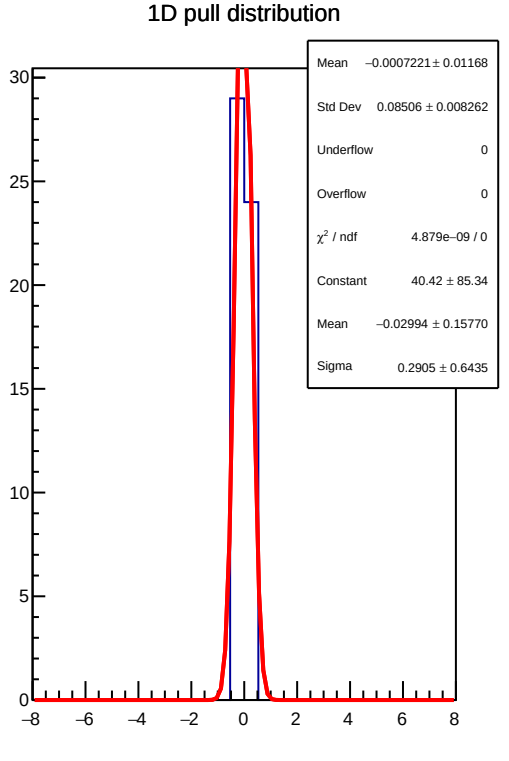

1D pull distribution
Mean −0.001946 ± 0.1365
Std Dev 0.9939 ± 0.09653
Underflow 0
Overflow 0
χ² / ndf 4.085 / 6
Constant 11.31 ± 2.16
Mean 0.03773 ± 0.14782
Sigma 0.939 ± 0.136

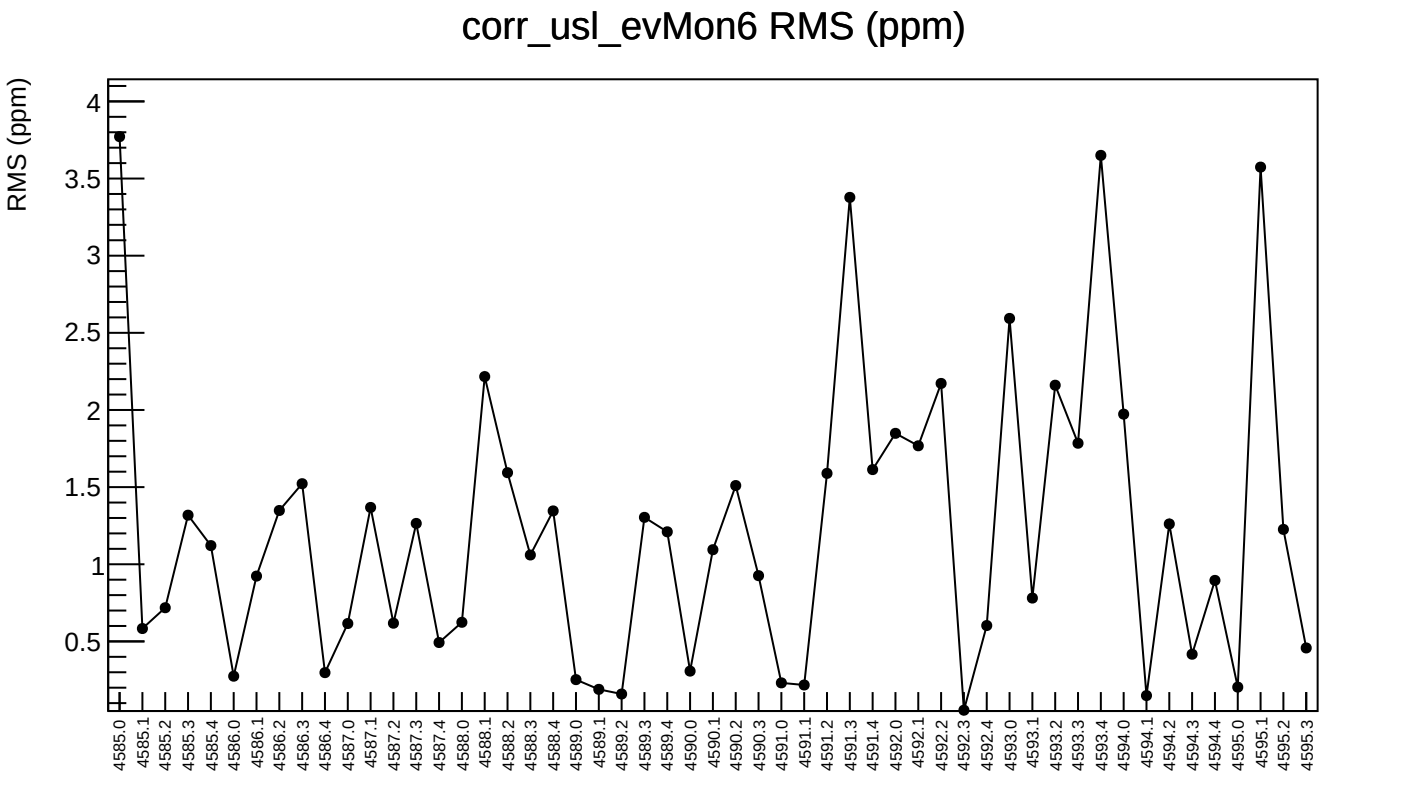

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
46
44
42
40
38
36
34
32
30
28
26
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

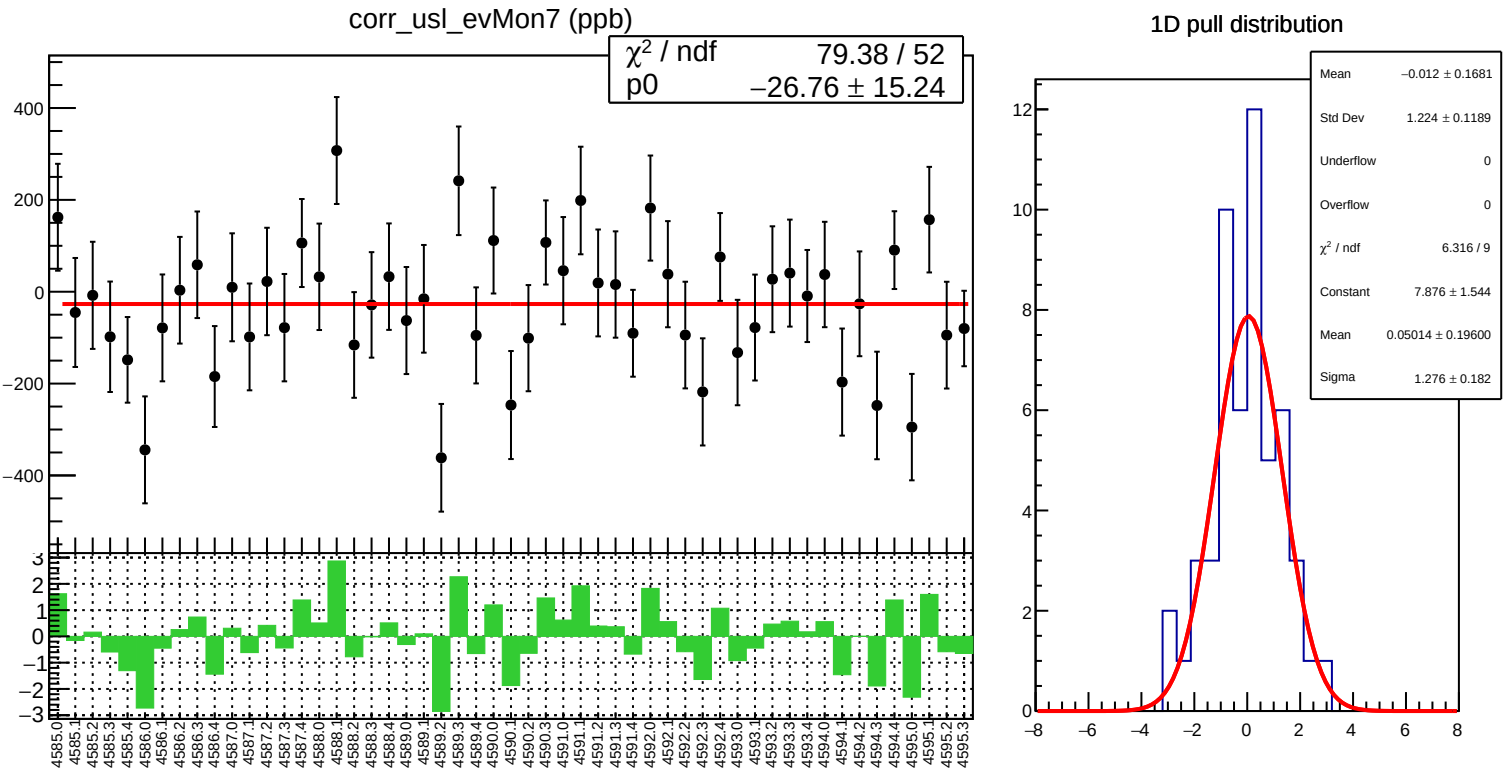

corr_usl_evMon5 (ppb)
χ² / ndf 2.085 / 52
p0 5.313 ± 12.31
1D pull distribution
Mean −0.00337 ± 0.02724
Std Dev 0.1983 ± 0.01926
Underflow 0
Overflow 0
χ² / ndf 0.0004108 / 1
Constant 35.88 ± 6.26
Mean −0.04422 ± 0.04282
Sigma 0.3149 ± 0.0332

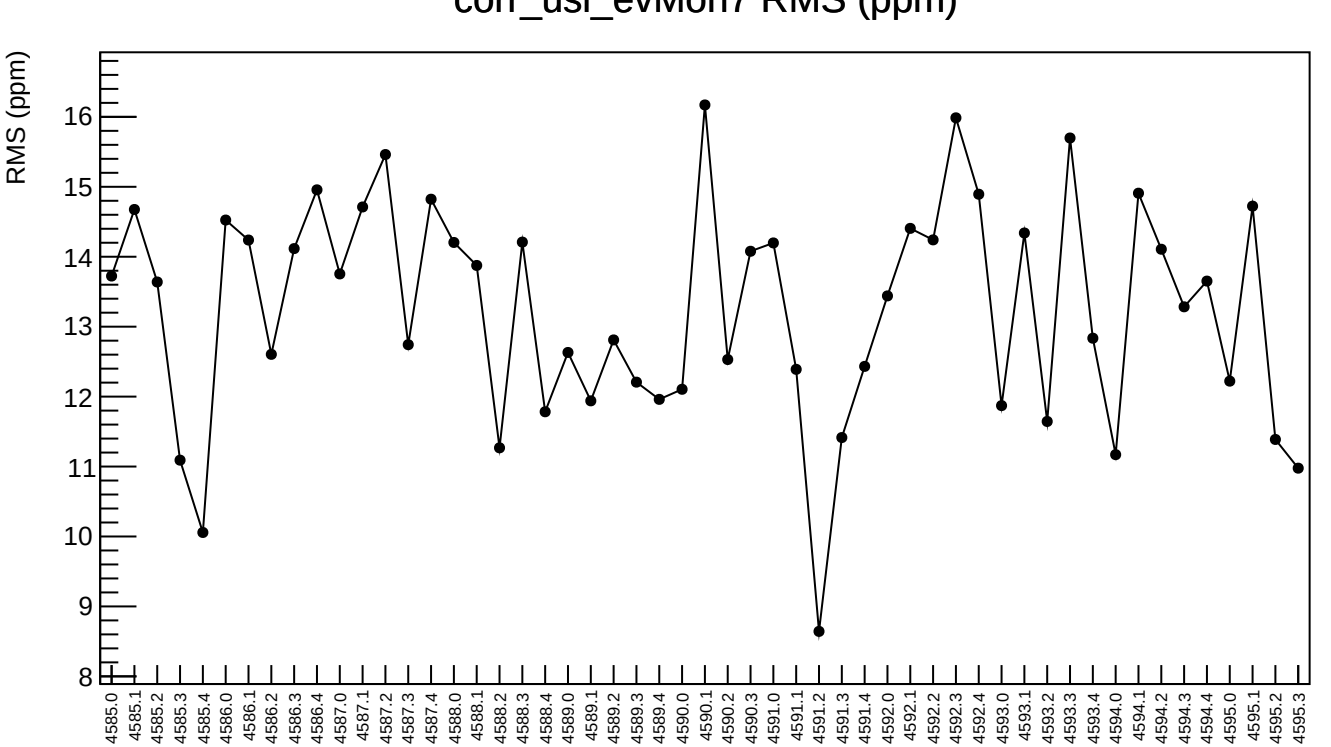

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

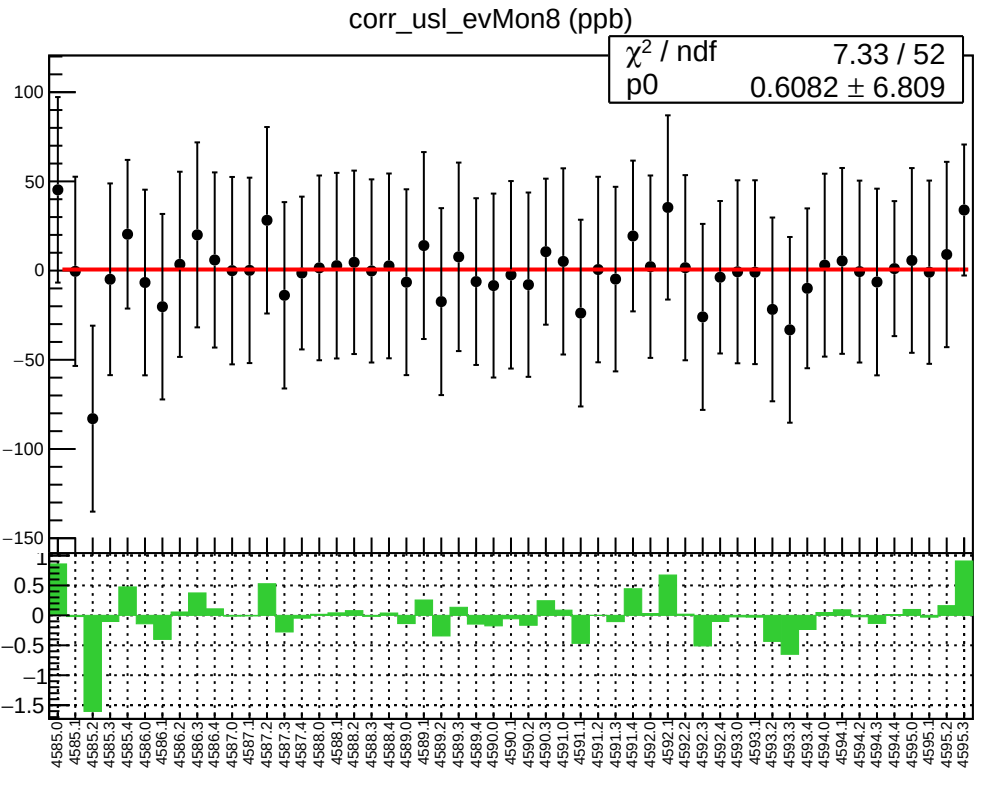

corr_usl_evMon6 (ppb)
χ² / ndf 0.3835 / 52
p0 −0.3008 ± 18.09
150
100
50
0
−50
−100
−150
0.2
0.1
0
−0.1
−0.2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

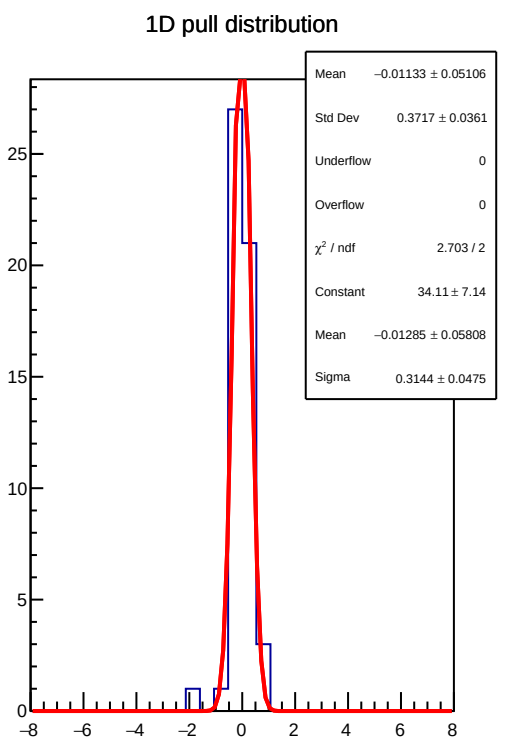

1D pull distribution
Mean −0.0007221 ± 0.01168
Std Dev 0.08506 ± 0.008262
Underflow 0
Overflow 0
χ² / ndf 4.879e−09 / 0
Constant 40.42 ± 85.34
Mean −0.02994 ± 0.15770
Sigma 0.2905 ± 0.6435
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

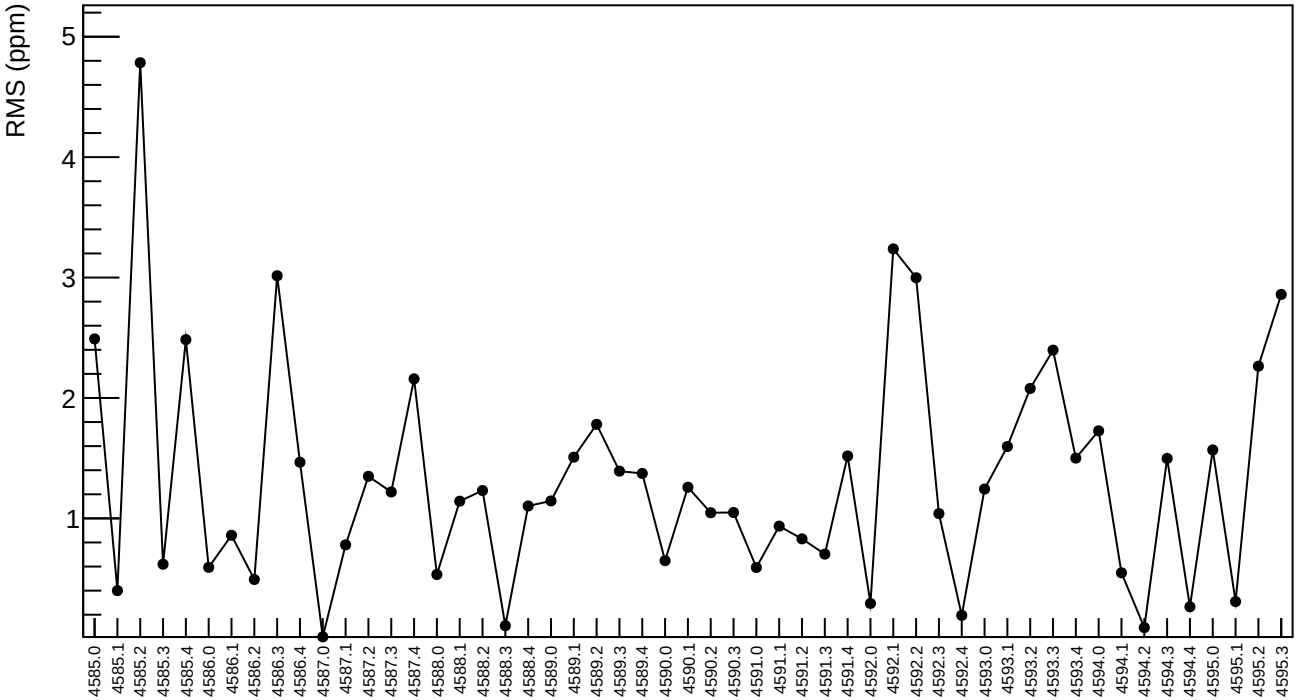

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

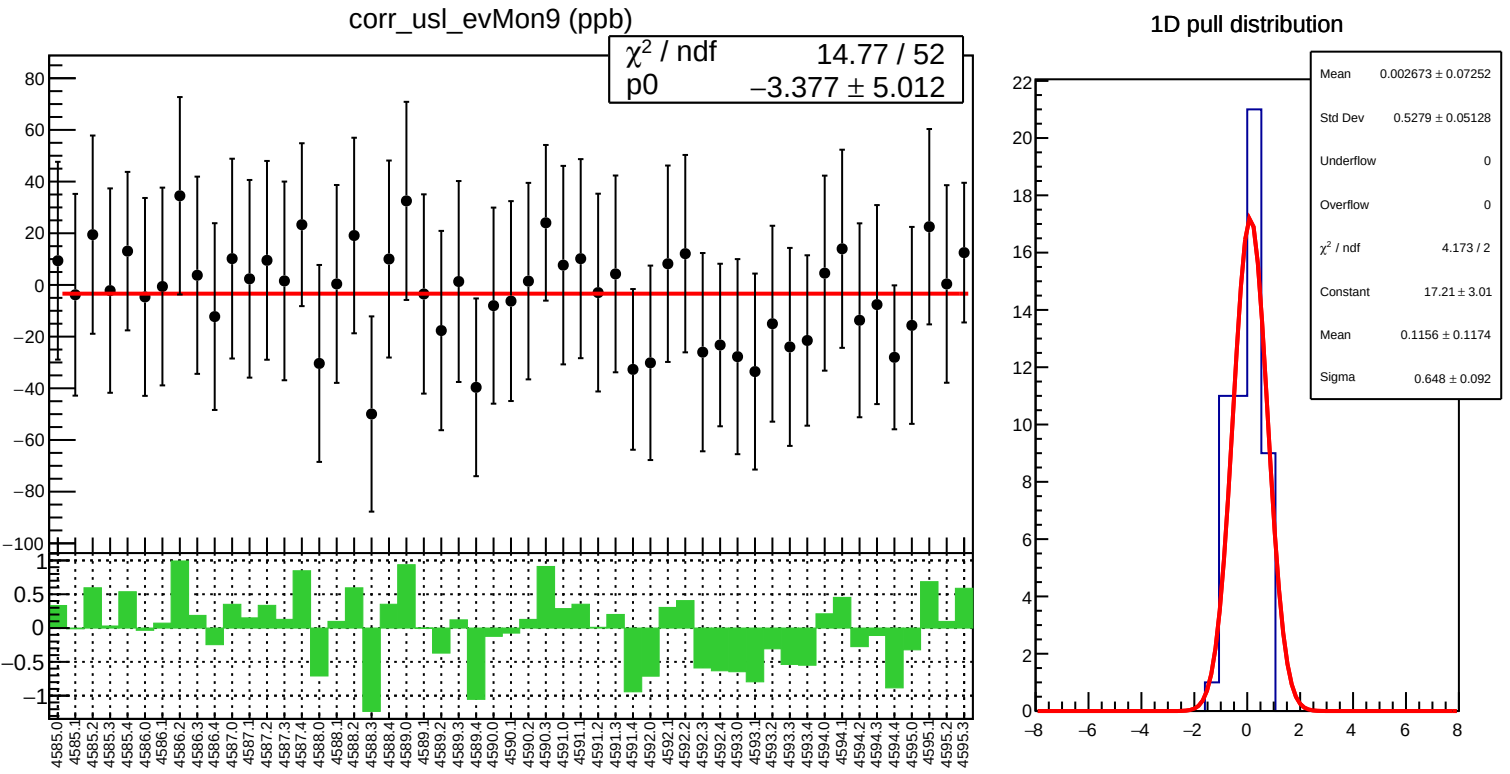

corr_usl_evMon7 (ppb)
χ² / ndf 79.38 / 52
p0 −26.76 ± 15.24
1D pull distribution
Mean −0.012 ± 0.1681
Std Dev 1.224 ± 0.1189
Underflow 0
Overflow 0
χ² / ndf 6.316 / 9
Constant 7.876 ± 1.544
Mean 0.05014 ± 0.19600
Sigma 1.276 ± 0.182

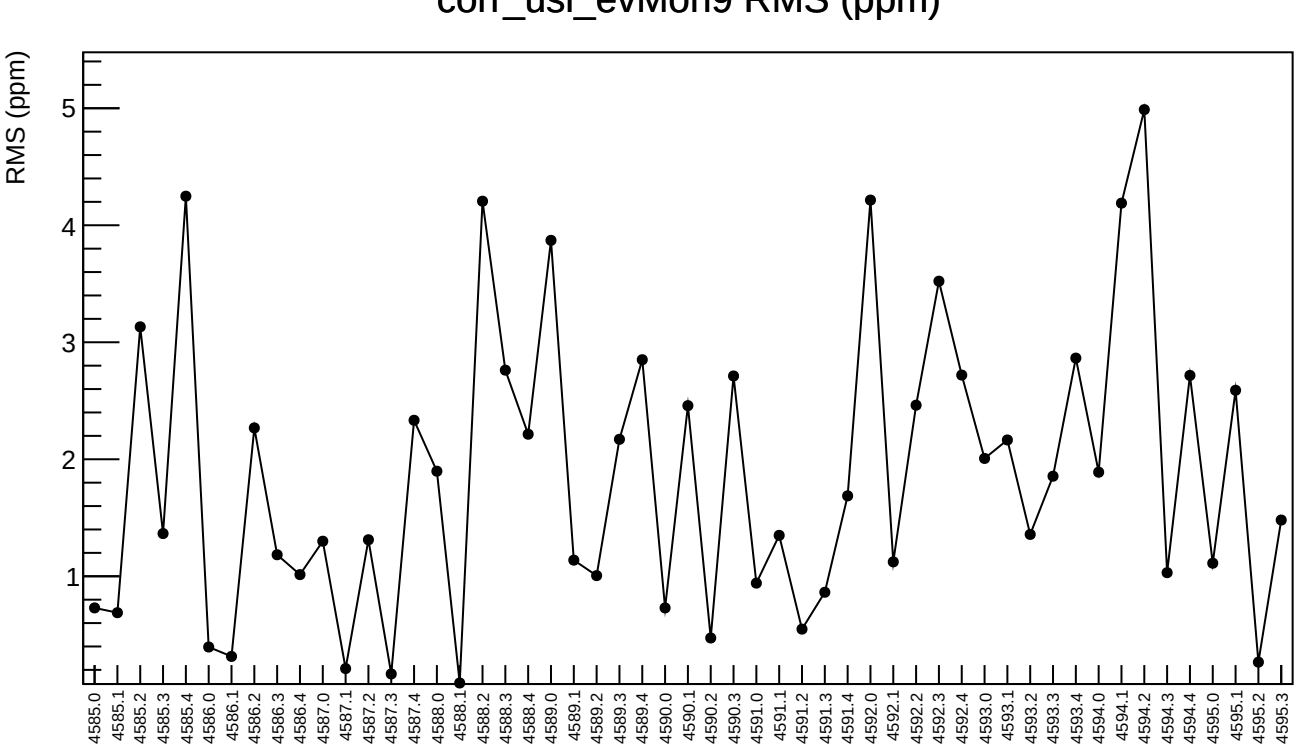

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
16
15
14
13
12
11
10
9
8
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

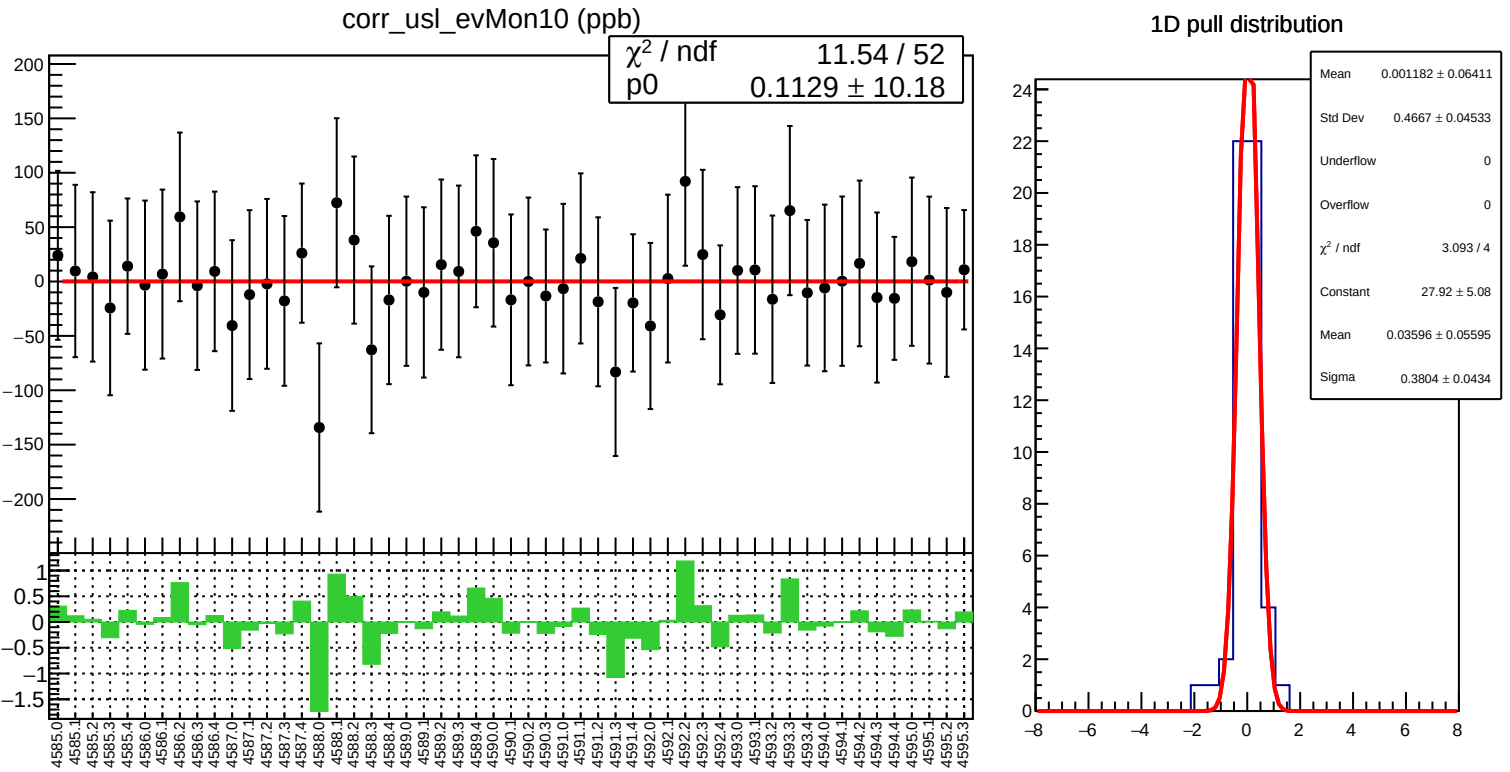

corr_usl_evMon8 (ppb)
χ² / ndf 7.33 / 52
p0 0.6082 ± 6.809
100
50
0
−50
−100
−150
1
0.5
0
−0.5
−1
−1.5
pull
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

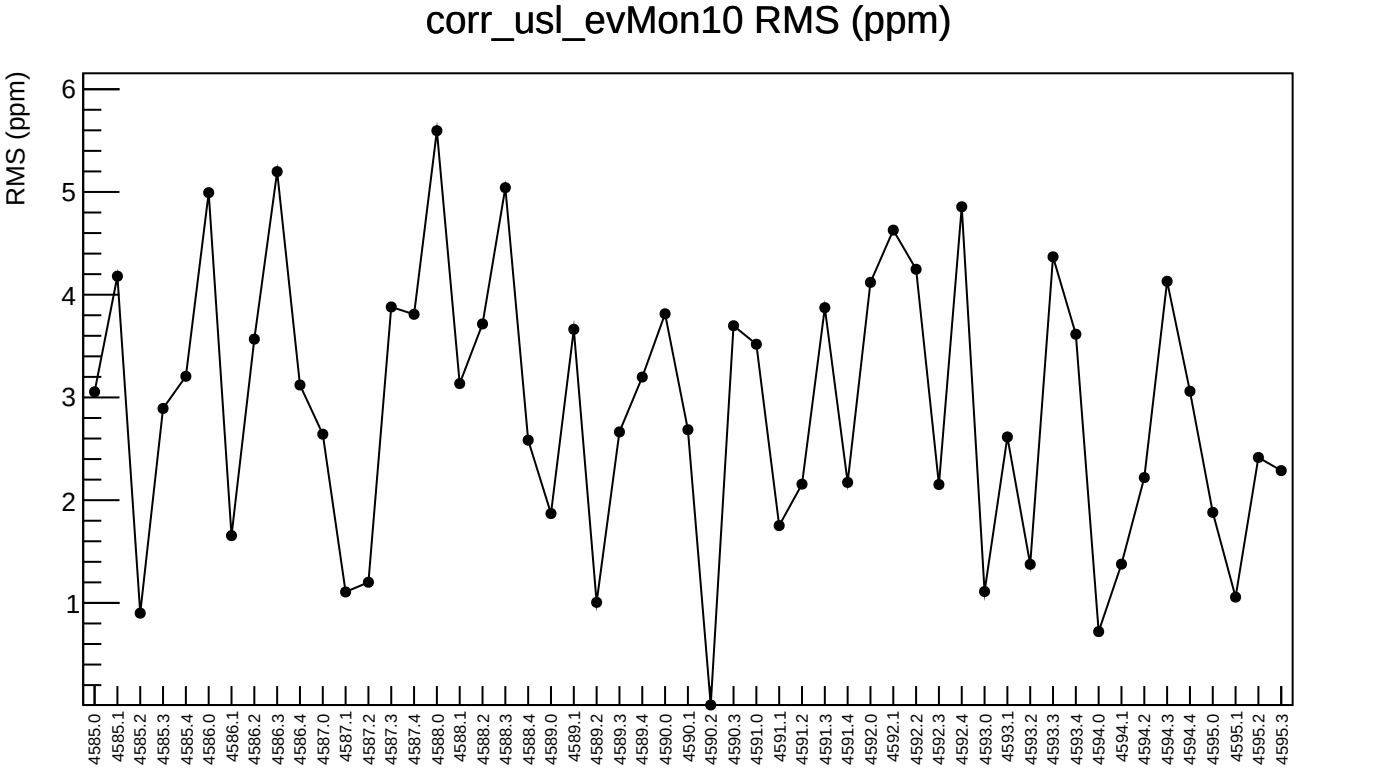

1D pull distribution
Mean −0.01133 ± 0.05106
Std Dev 0.3717 ± 0.0361
Underflow 0
Overflow 0
χ² / ndf 2.703 / 2
Constant 34.11 ± 7.14
Mean −0.01285 ± 0.05808
Sigma 0.3144 ± 0.0475
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

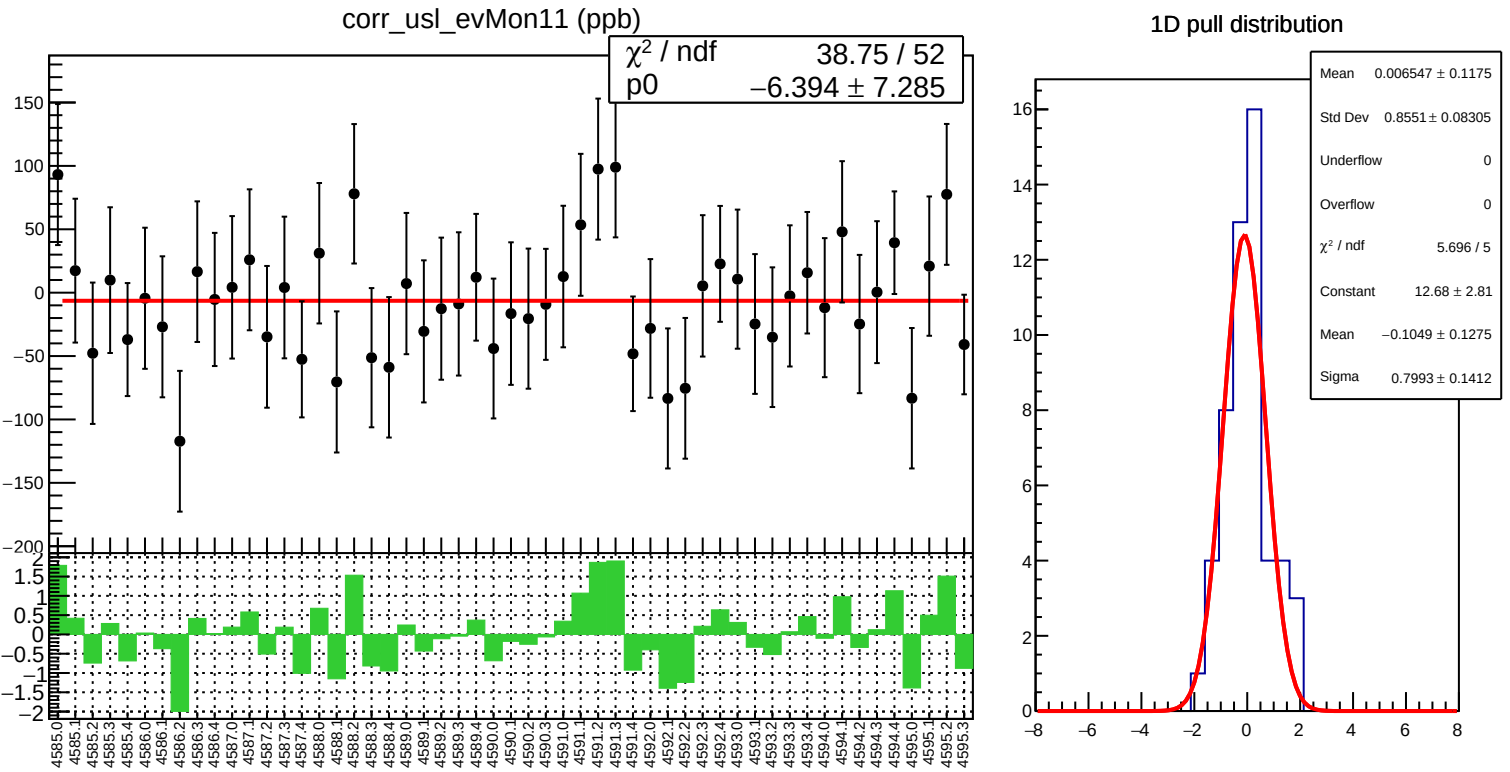

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

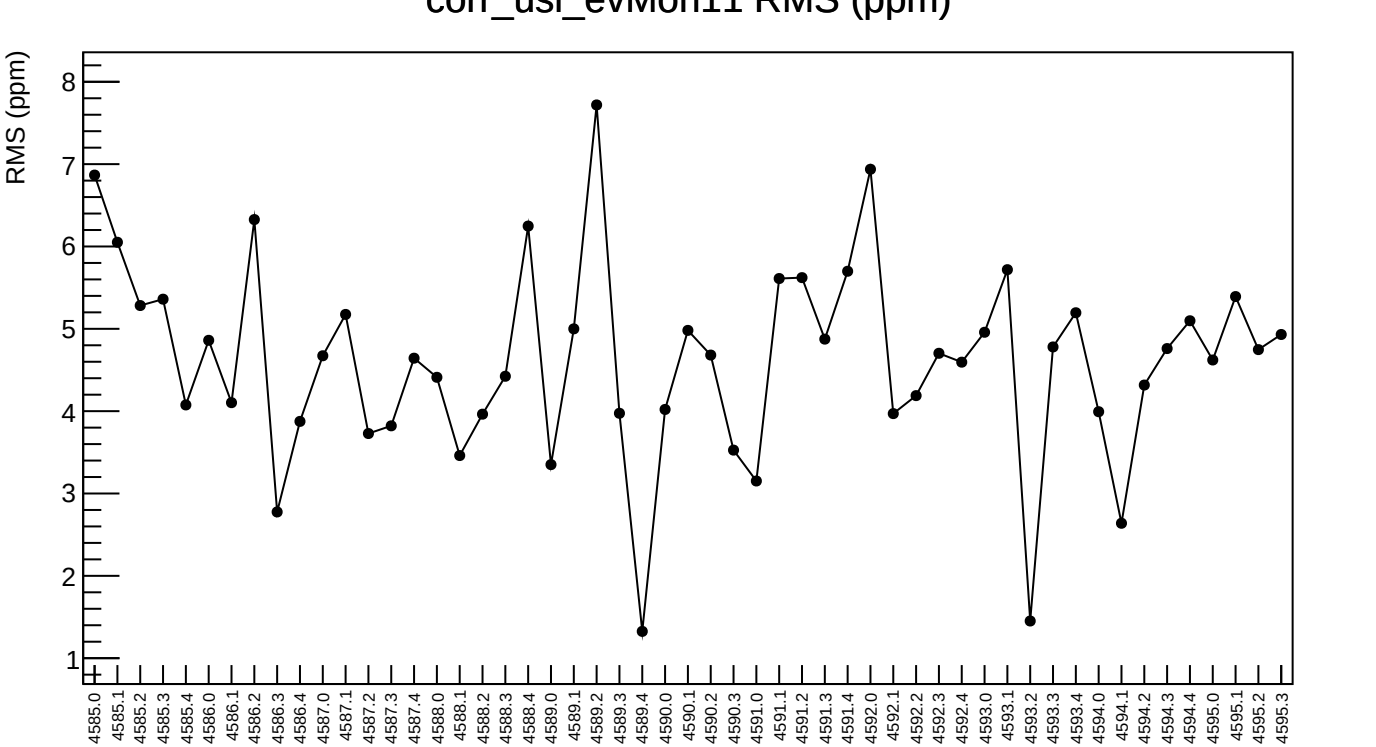

corr_usl_evMon9 (ppb)
χ² / ndf 14.77 / 52
p0 −3.377 ± 5.012
1D pull distribution
Mean 0.002673 ± 0.07252
Std Dev 0.5279 ± 0.05128
Underflow 0
Overflow 0
χ² / ndf 4.173 / 2
Constant 17.21 ± 3.01
Mean 0.1156 ± 0.1174
Sigma 0.648 ± 0.092

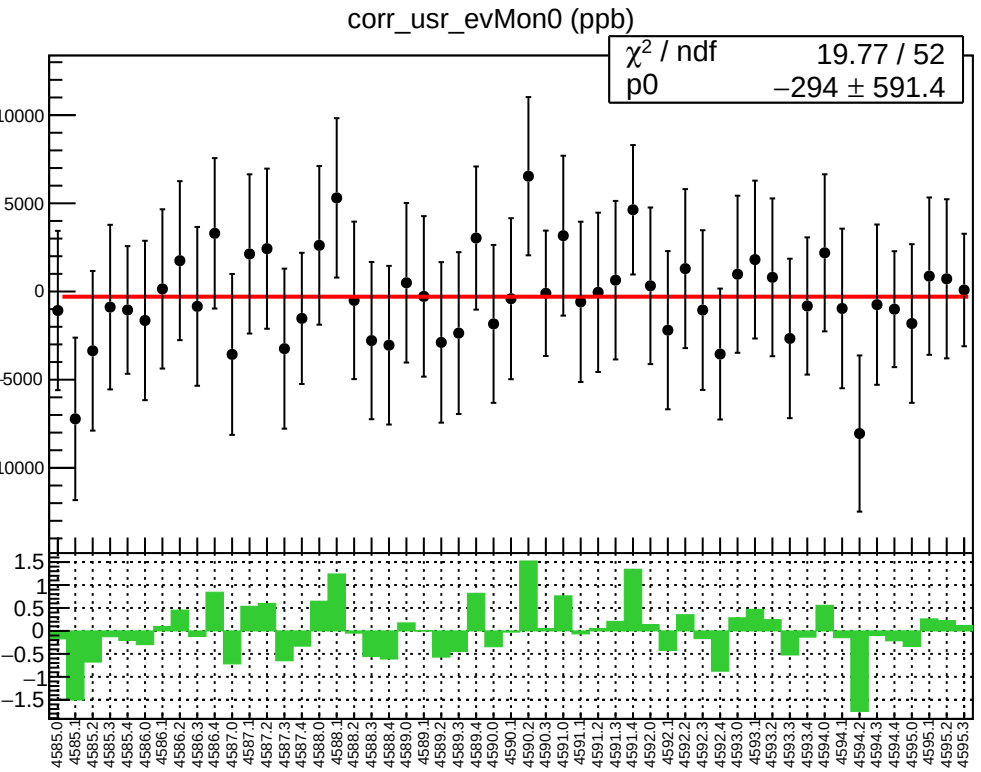

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

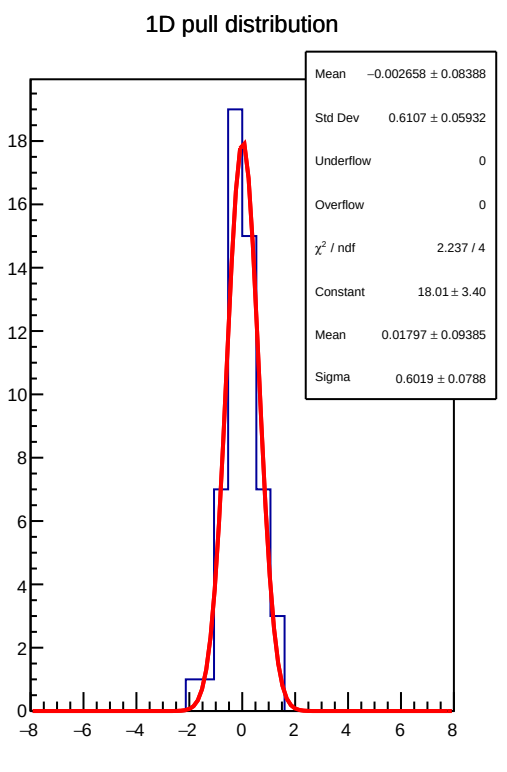

corr_usl_evMon10 (ppb)
χ² / ndf 11.54 / 52
p0 0.1129 ± 10.18
1D pull distribution
Mean 0.001182 ± 0.06411
Std Dev 0.4667 ± 0.04533
Underflow 0
Overflow 0
χ² / ndf 3.093 / 4
Constant 27.92 ± 5.08
Mean 0.03596 ± 0.05595
Sigma 0.3804 ± 0.0434

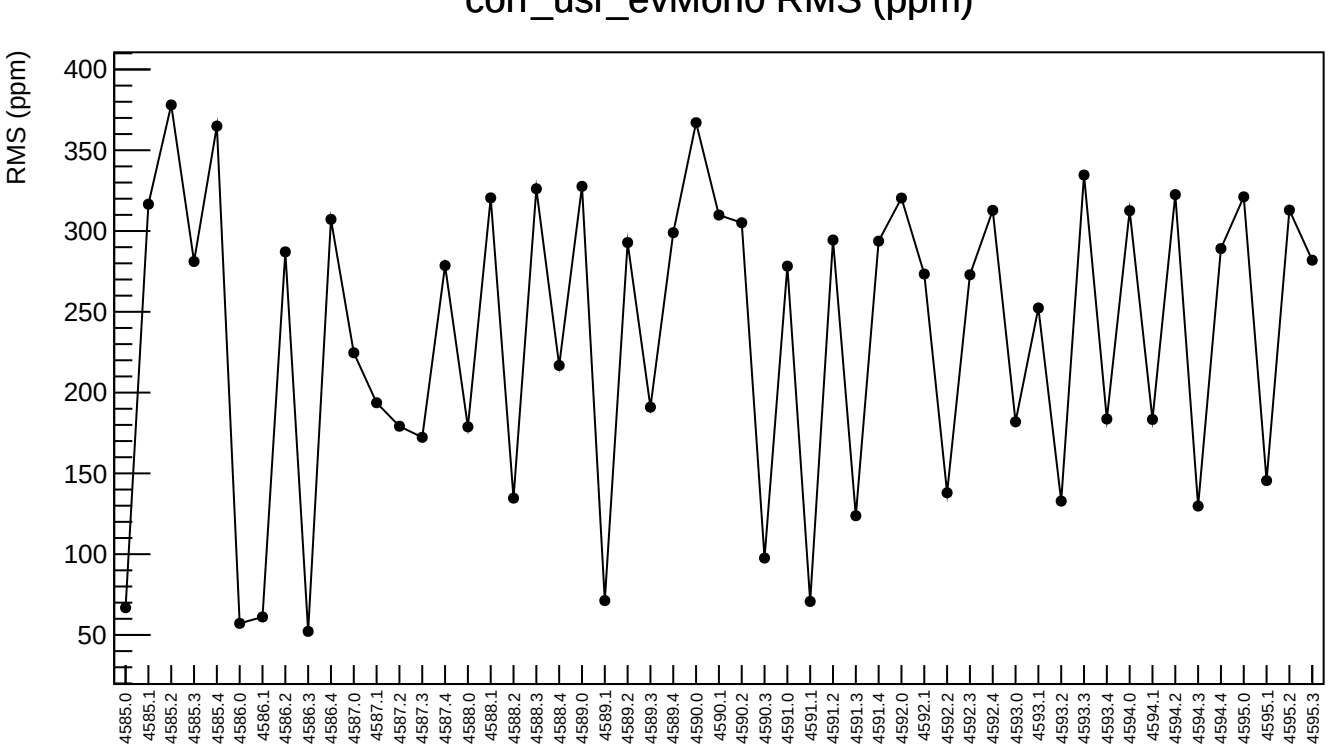

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

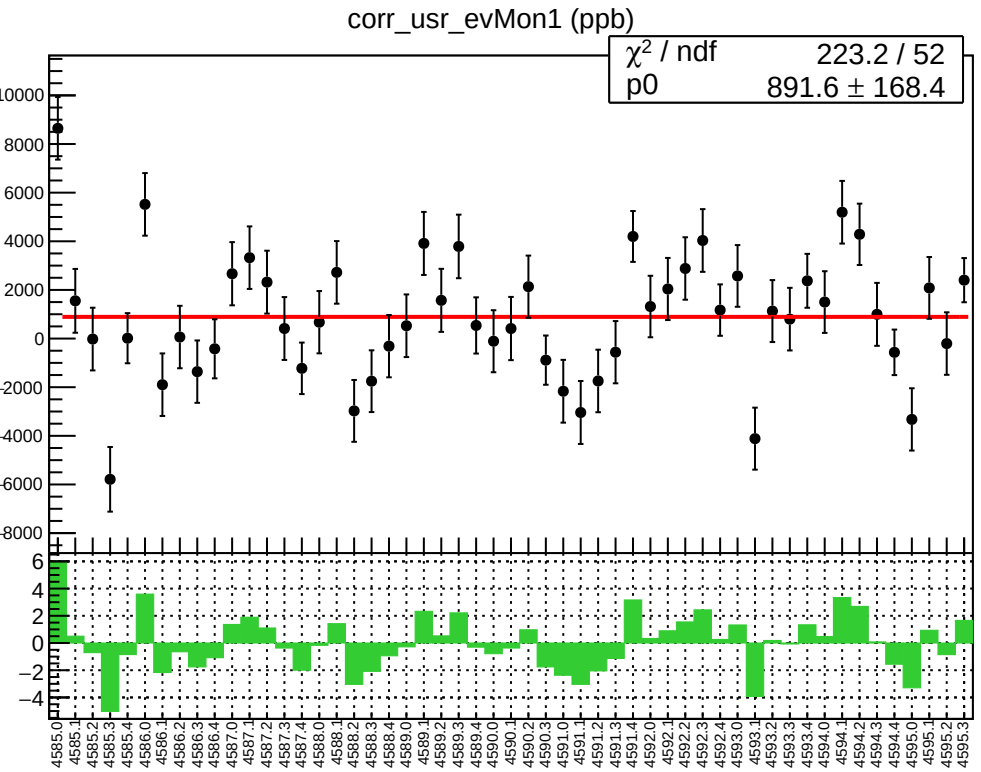

corr_usl_evMon11 (ppb)
χ² / ndf 38.75 / 52
p0 −6.394 ± 7.285
1D pull distribution
Mean 0.006547 ± 0.1175
Std Dev 0.8551 ± 0.08305
Underflow 0
Overflow 0
χ² / ndf 5.696 / 5
Constant 12.68 ± 2.81
Mean −0.1049 ± 0.1275
Sigma 0.7993 ± 0.1412

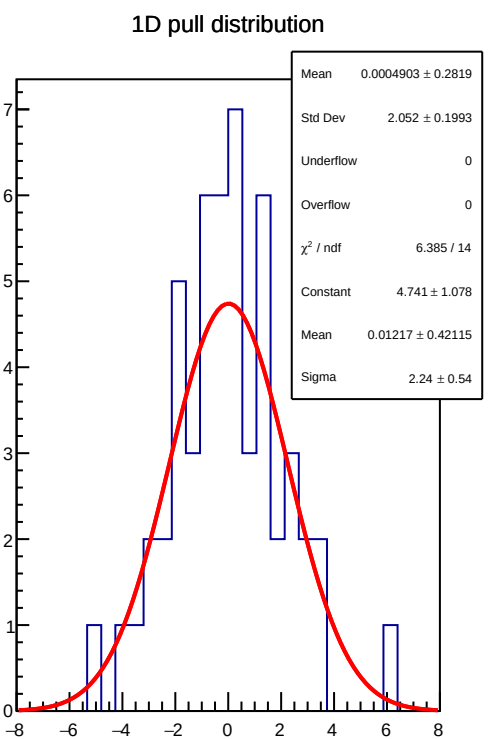

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

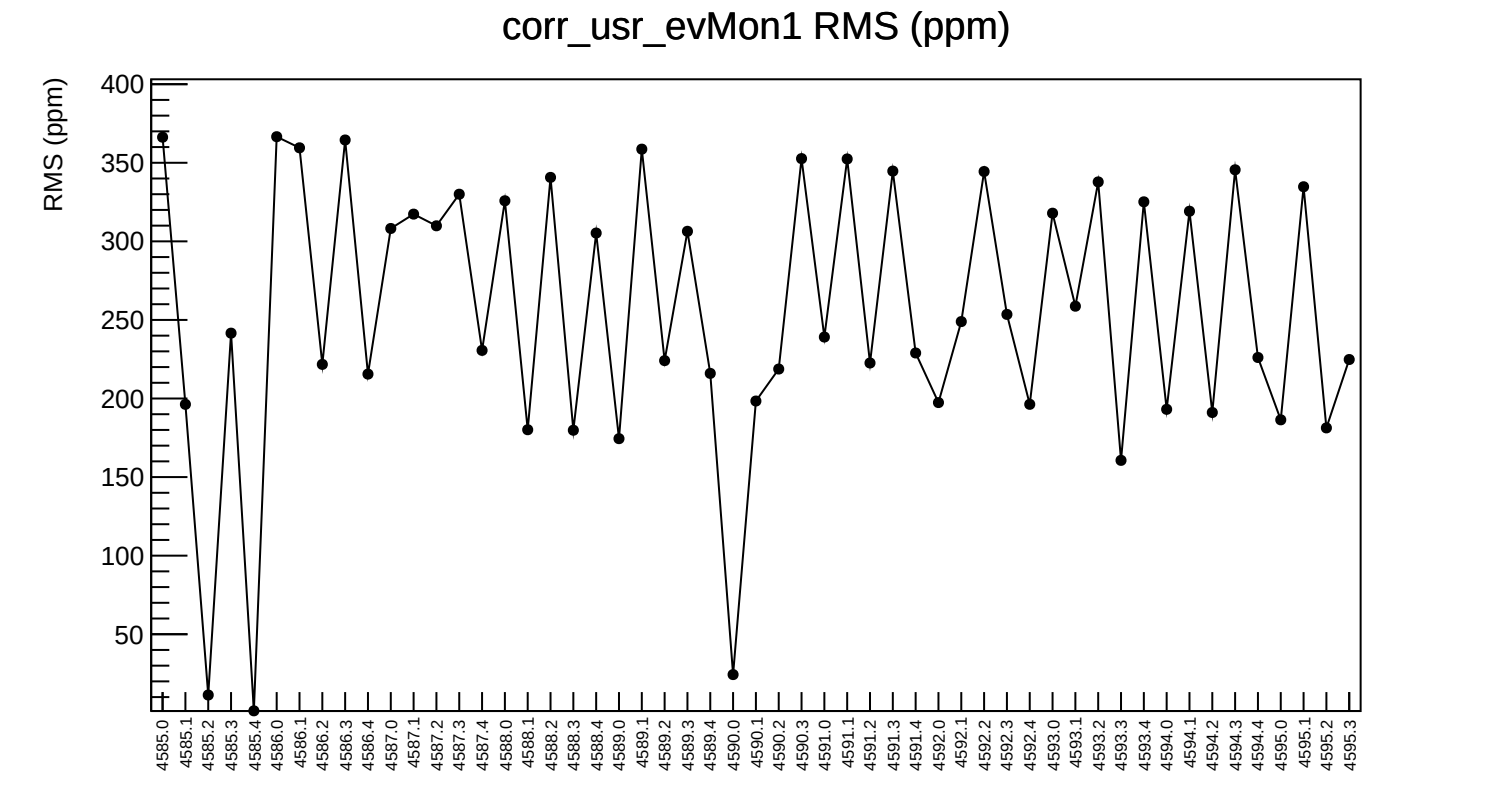

corr_usr_evMon0 (ppb)
χ² / ndf 19.77 / 52
p0 −294 ± 591.4
10000
5000
0
−5000
−10000
1.5
1
0.5
0
−0.5
−1
−1.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

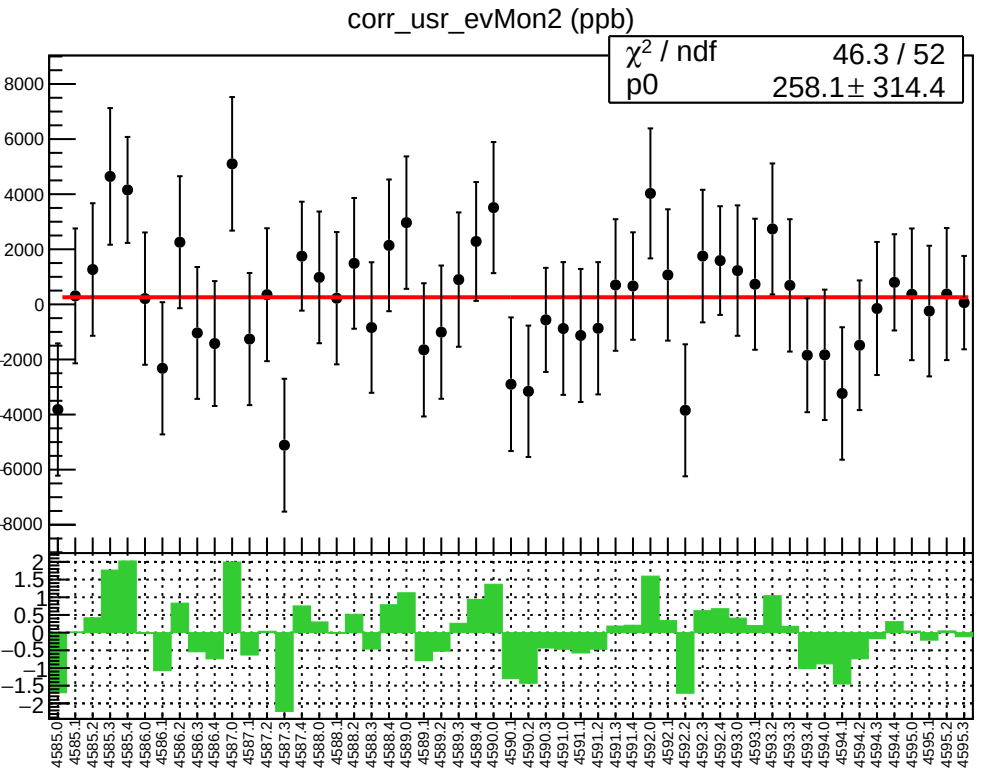

1D pull distribution
Mean −0.002658 ± 0.08388
Std Dev 0.6107 ± 0.05932
Underflow 0
Overflow 0
χ² / ndf 2.237 / 4
Constant 18.01 ± 3.40
Mean 0.01797 ± 0.09385
Sigma 0.6019 ± 0.0788
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

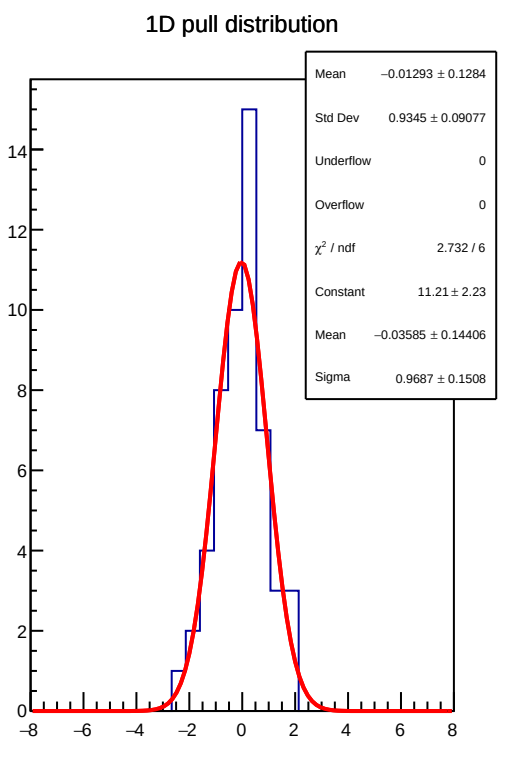

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
400
350
300
250
200
150
100
50
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

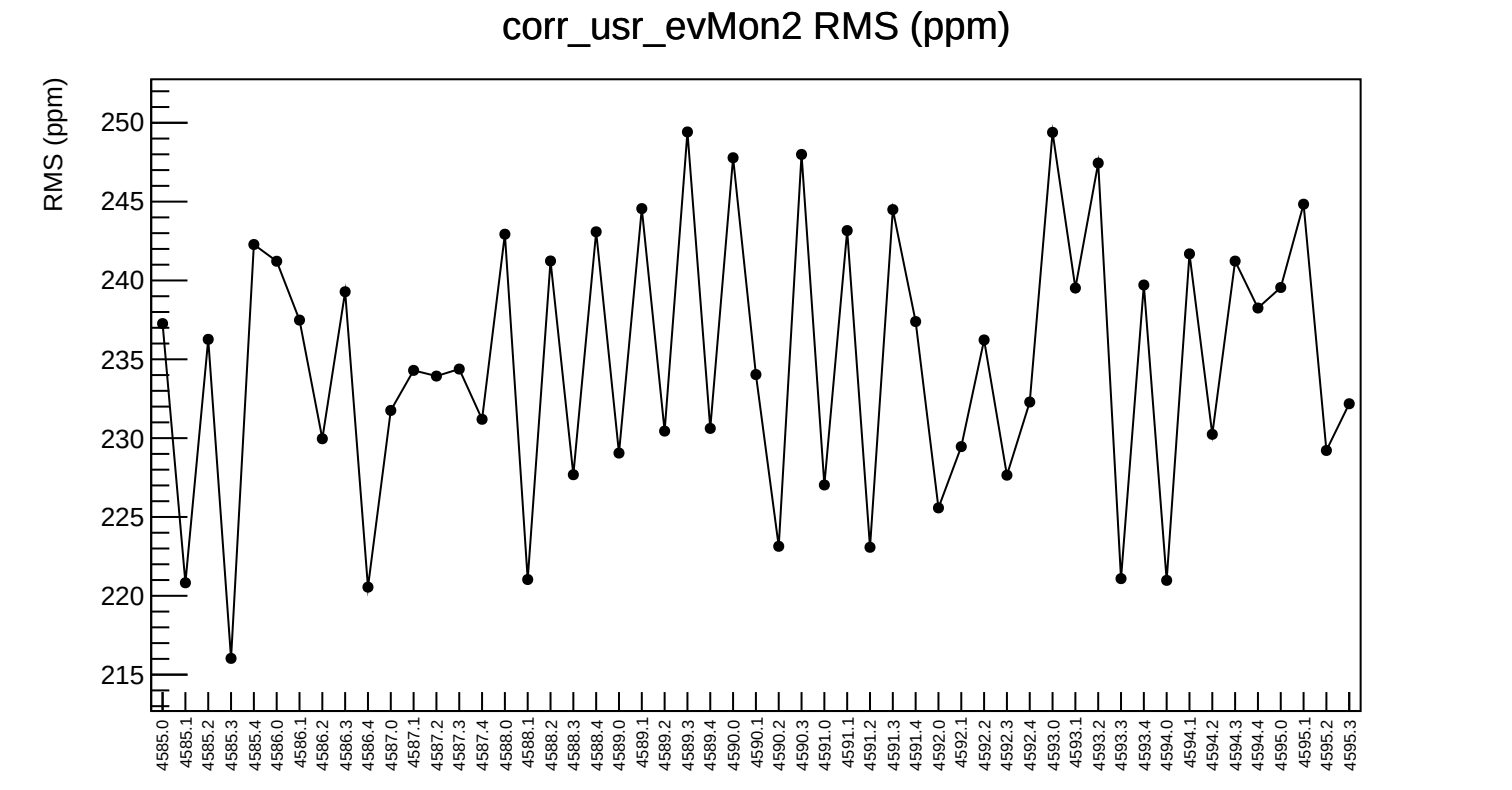

corr_usr_evMon1 (ppb)
χ² / ndf 223.2 / 52
p0 891.6 ± 168.4
10000
8000
6000
4000
2000
0
-2000
-4000
-6000
-8000
6
4
2
0
−2
−4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

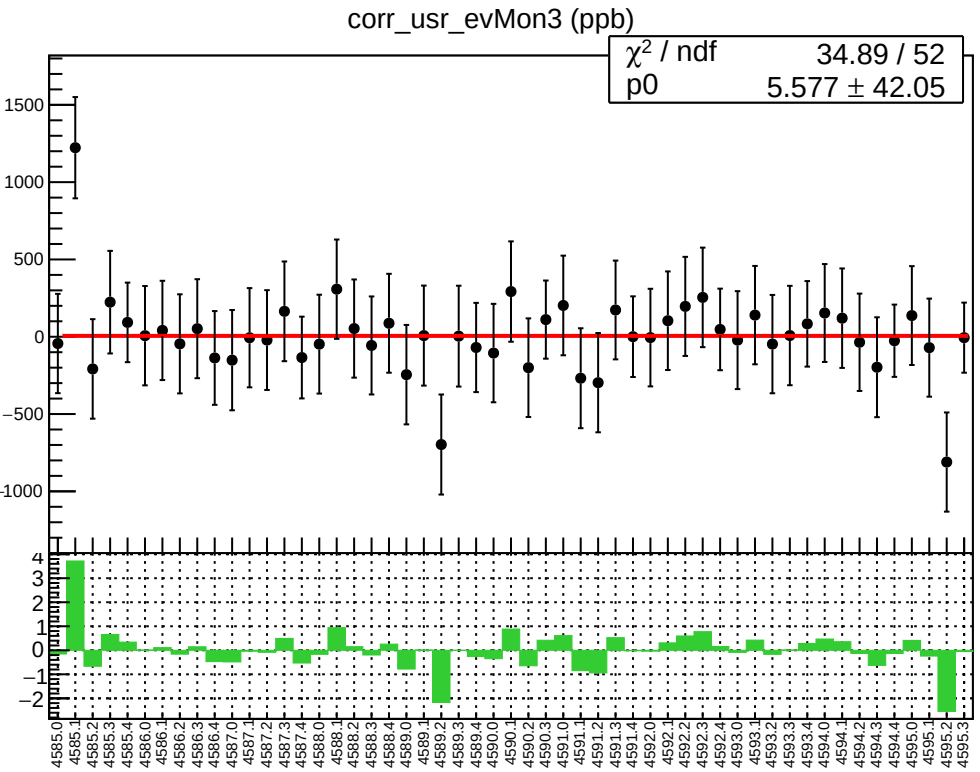

1D pull distribution
Mean 0.0004903 ± 0.2819
Std Dev 2.052 ± 0.1993
Underflow 0
Overflow 0
χ² / ndf 6.385 / 14
Constant 4.741 ± 1.078
Mean 0.01217 ± 0.42115
Sigma 2.24 ± 0.54
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

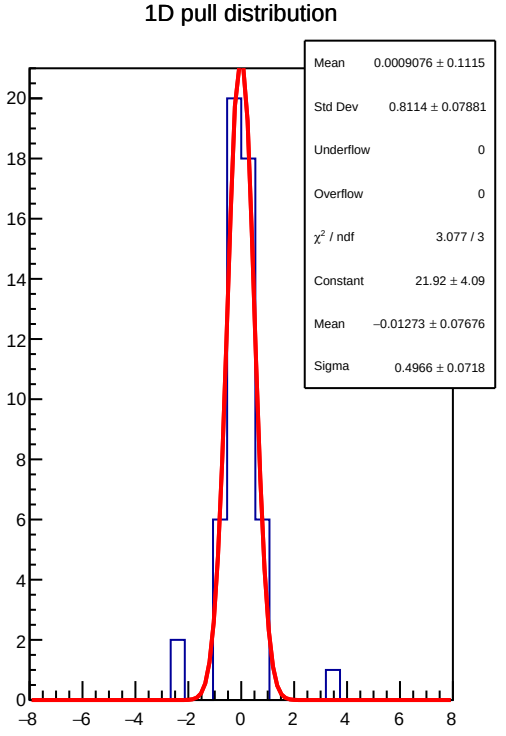

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
400
350
300
250
200
150
100
50
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

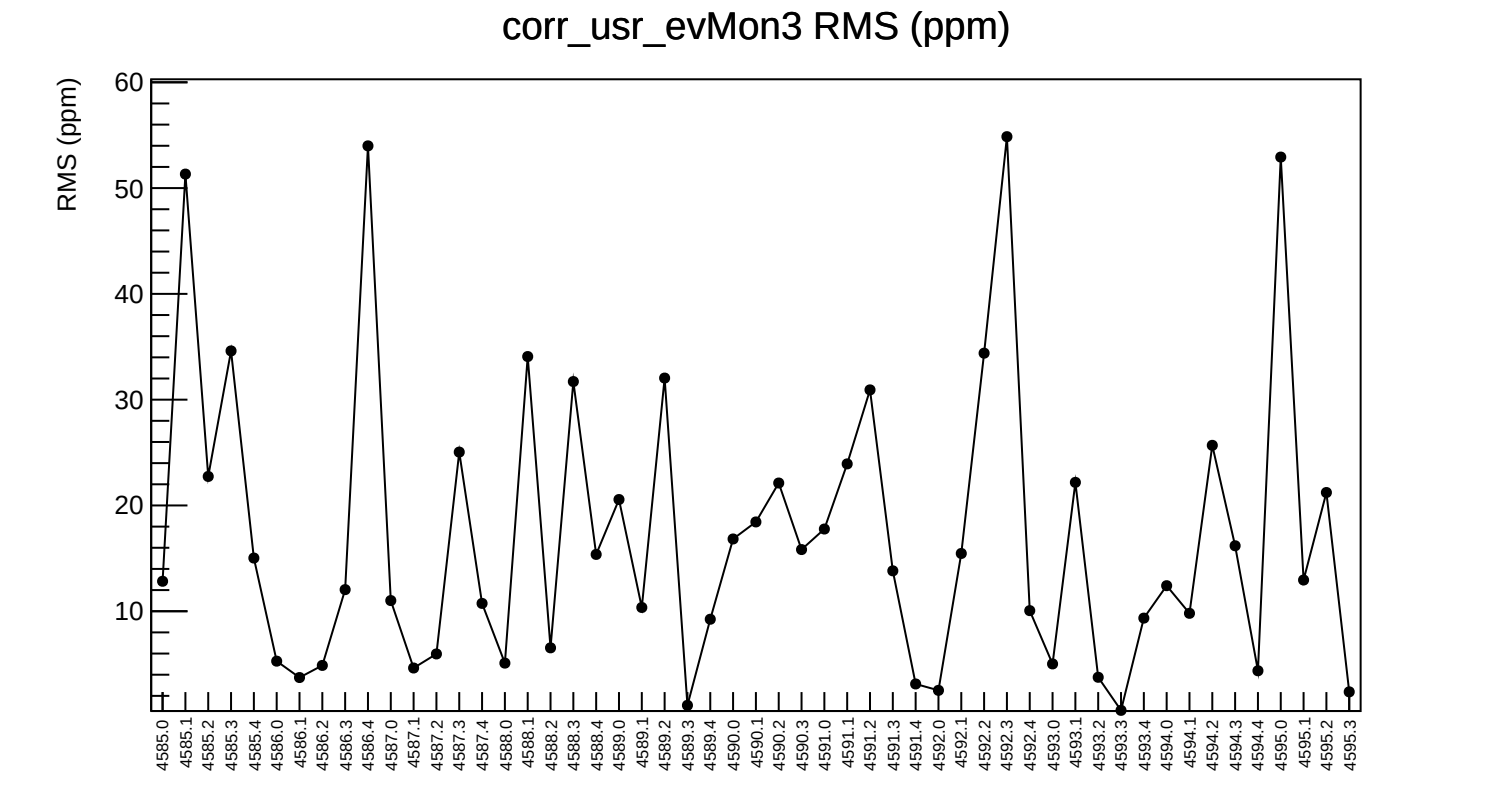

corr_usr_evMon2 (ppb)
χ² / ndf 46.3 / 52
p0 258.1 ± 314.4
8000
6000
4000
2000
0
-2000
-4000
-6000
-8000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

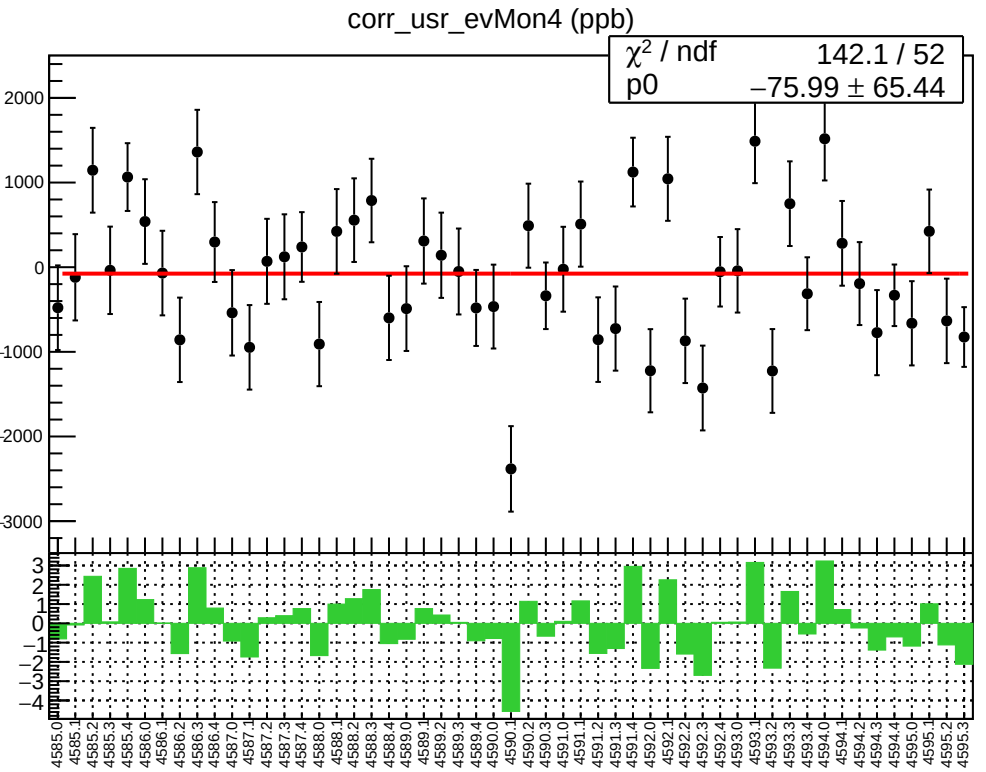

1D pull distribution
Mean −0.01293 ± 0.1284
Std Dev 0.9345 ± 0.09077
Underflow 0
Overflow 0
χ² / ndf 2.732 / 6
Constant 11.21 ± 2.23
Mean −0.03585 ± 0.14406
Sigma 0.9687 ± 0.1508
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

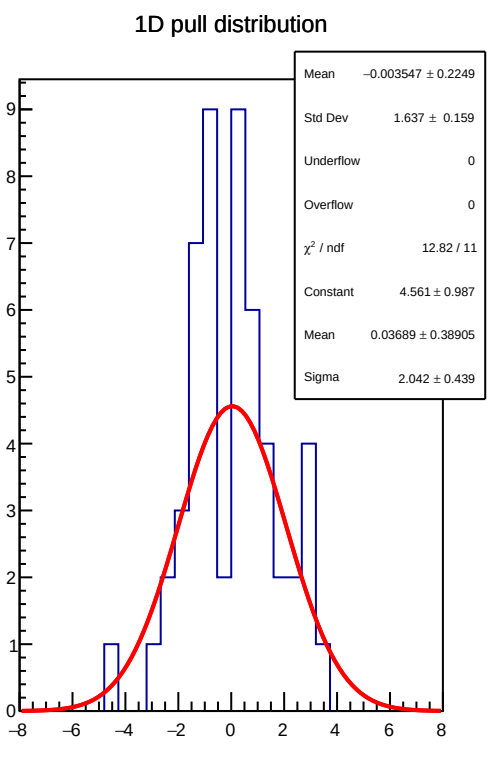

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
250
245
240
235
230
225
220
215
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

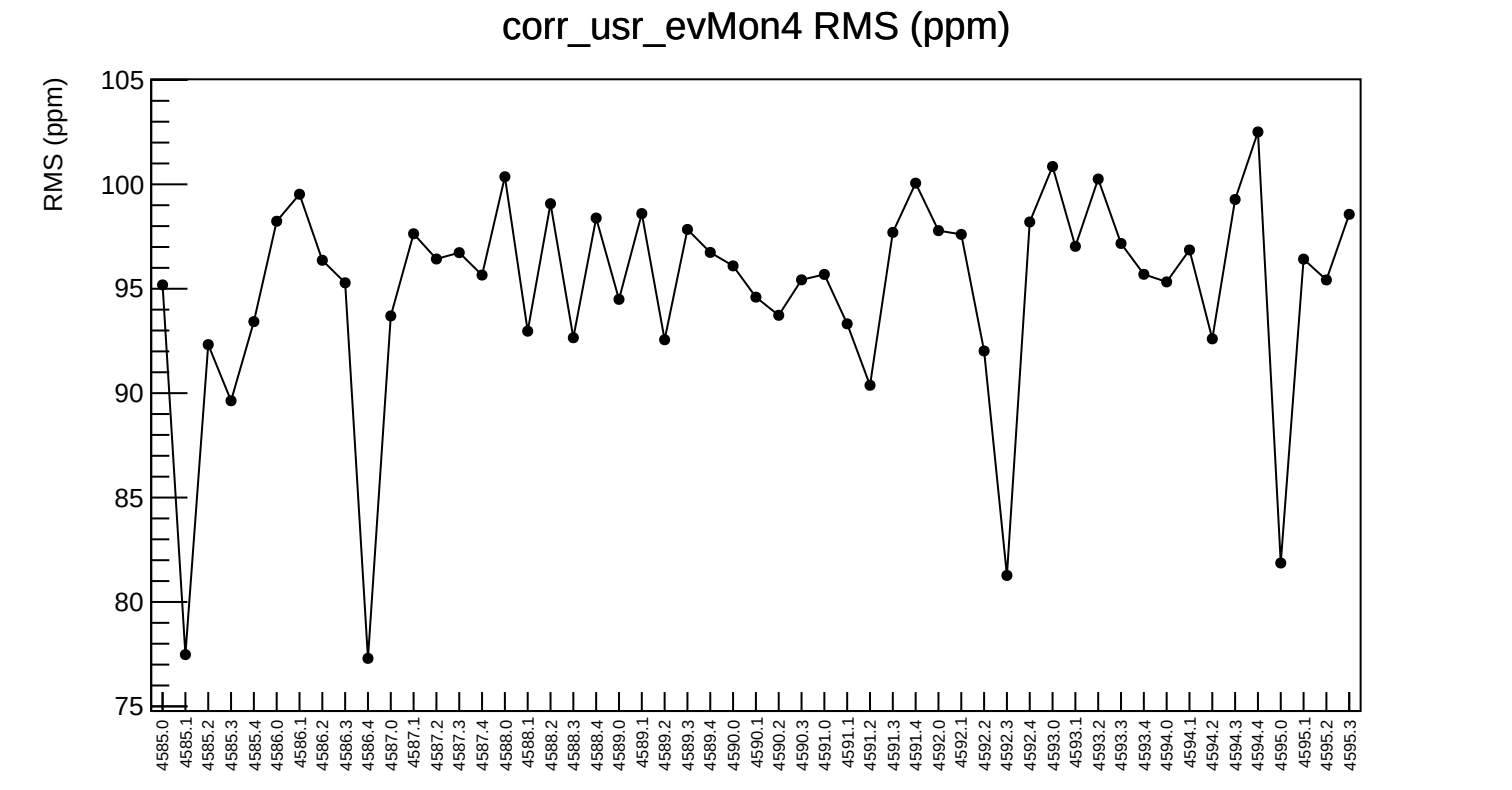

corr_usr_evMon3 (ppb)
χ² / ndf 34.89 / 52
p0 5.577 ± 42.05
1500
1000
500
0
−500
−1000
4
3
2
1
0
−1
−2
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

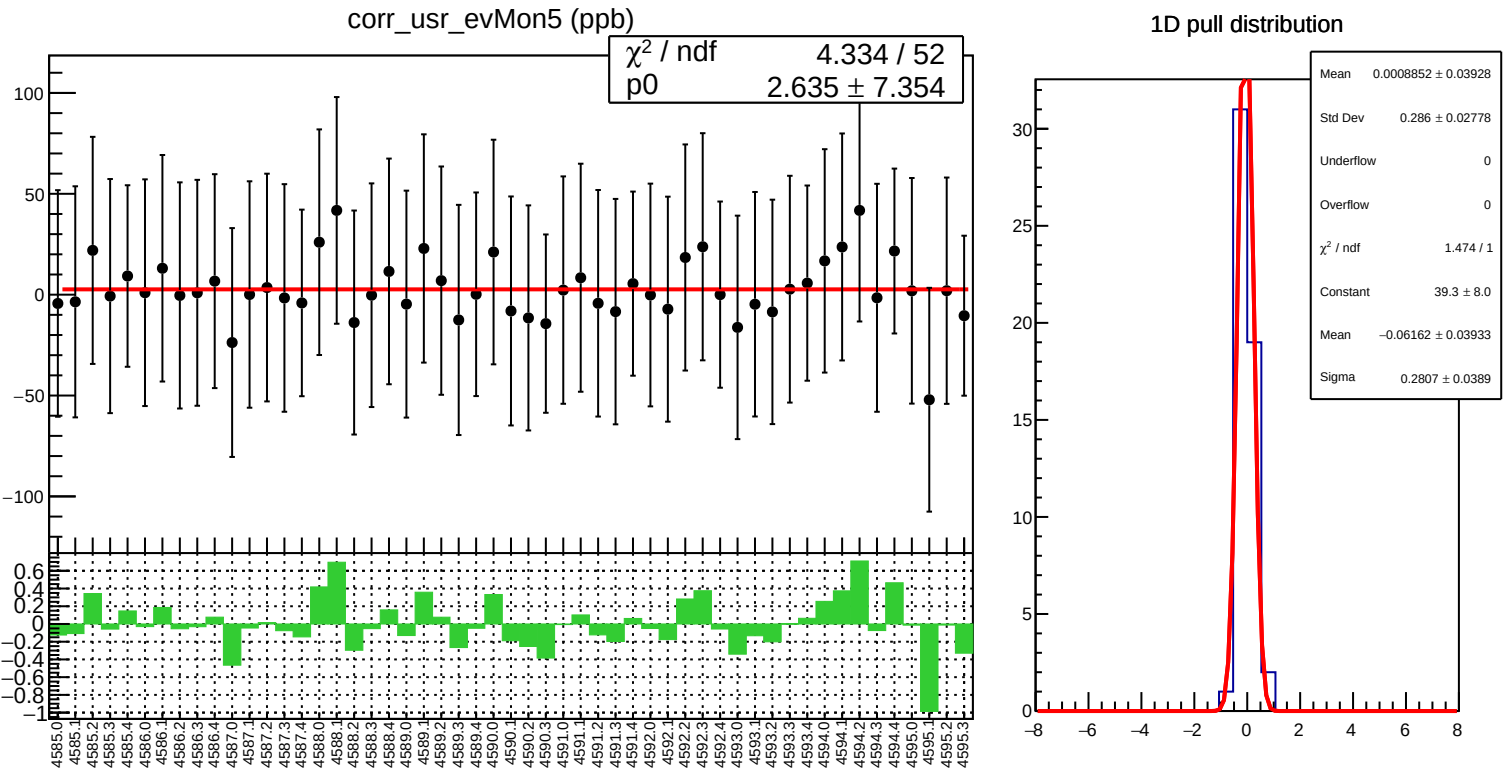

1D pull distribution
Mean 0.0009076 ± 0.1115
Std Dev 0.8114 ± 0.07881
Underflow 0
Overflow 0
χ² / ndf 3.077 / 3
Constant 21.92 ± 4.09
Mean −0.01273 ± 0.07676
Sigma 0.4966 ± 0.0718
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

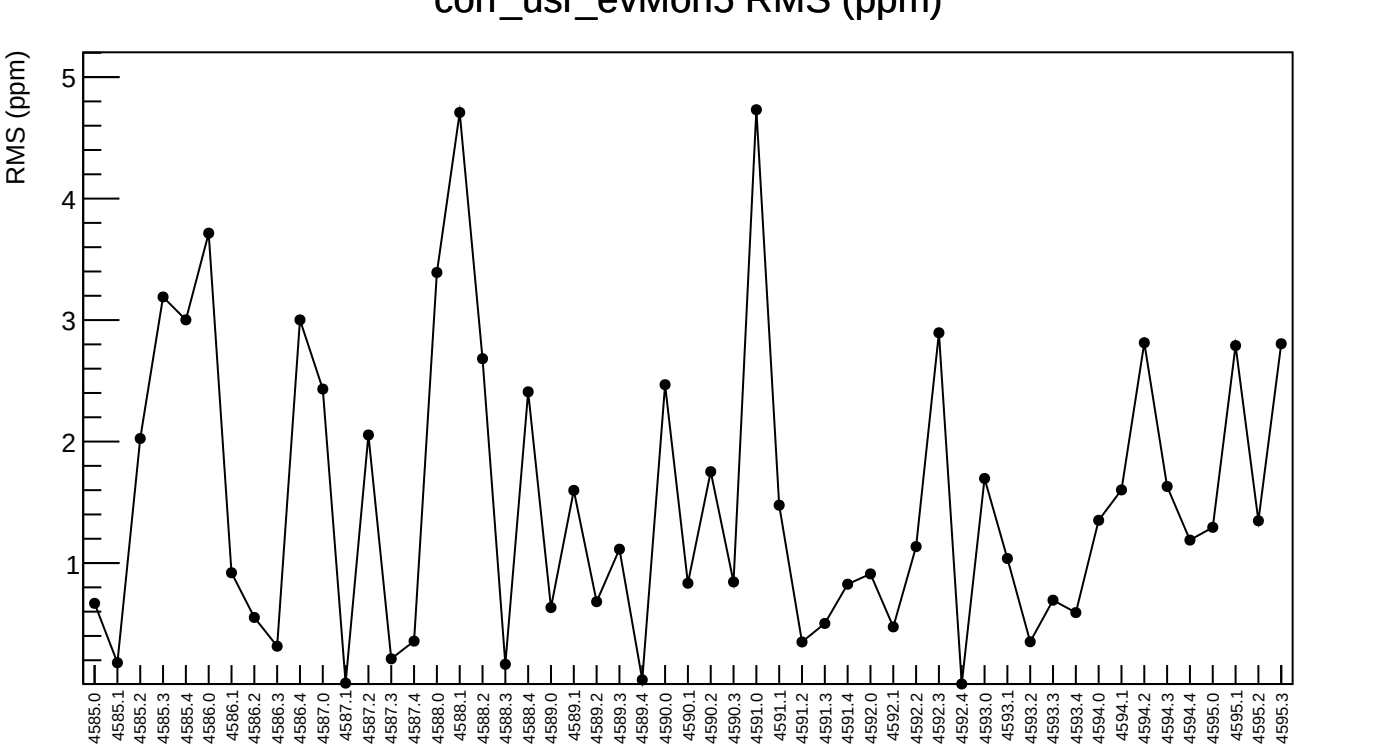

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
60
50
40
30
20
10
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

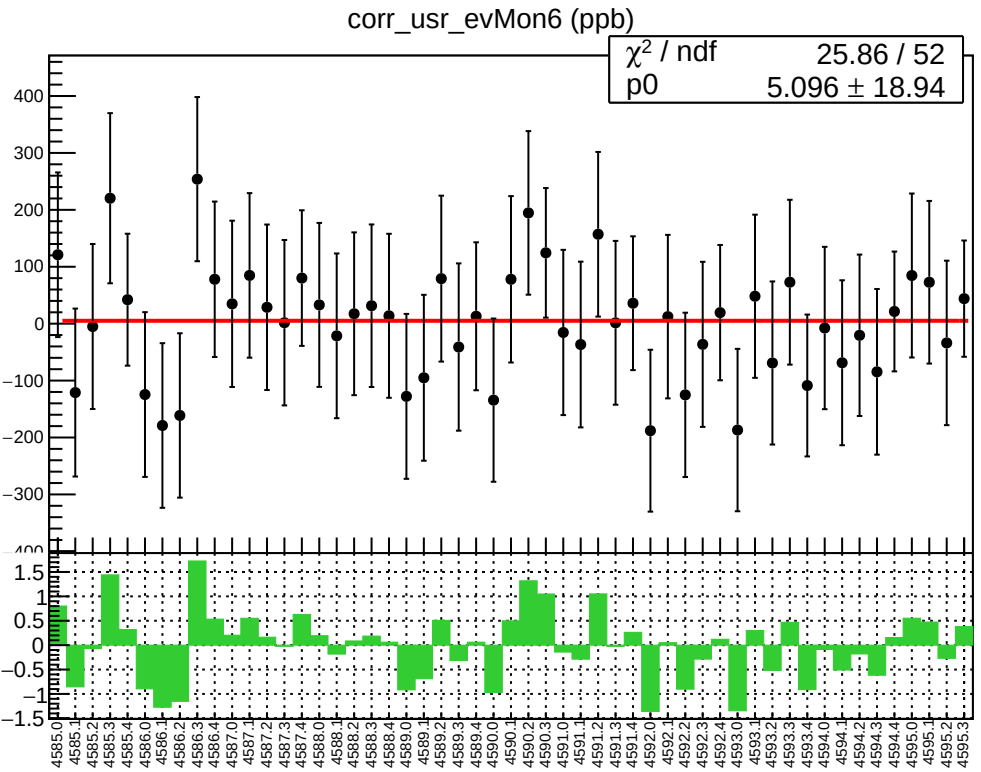

corr_usr_evMon4 (ppb)
χ² / ndf 142.1 / 52
p0 −75.99 ± 65.44
2000
1000
0
-1000
-2000
-3000
3
2
1
0
−1
−2
−3
−4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

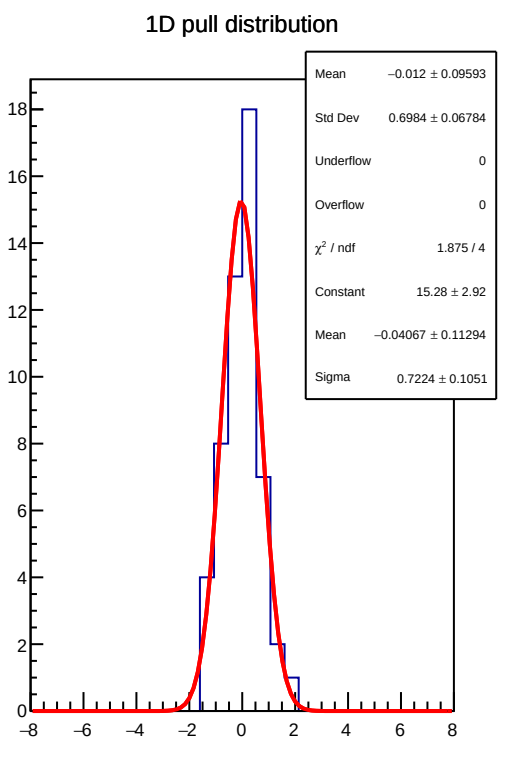

1D pull distribution
Mean −0.003547 ± 0.2249
Std Dev 1.637 ± 0.159
Underflow 0
Overflow 0
χ² / ndf 12.82 / 11
Constant 4.561 ± 0.987
Mean 0.03689 ± 0.38905
Sigma 2.042 ± 0.439
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

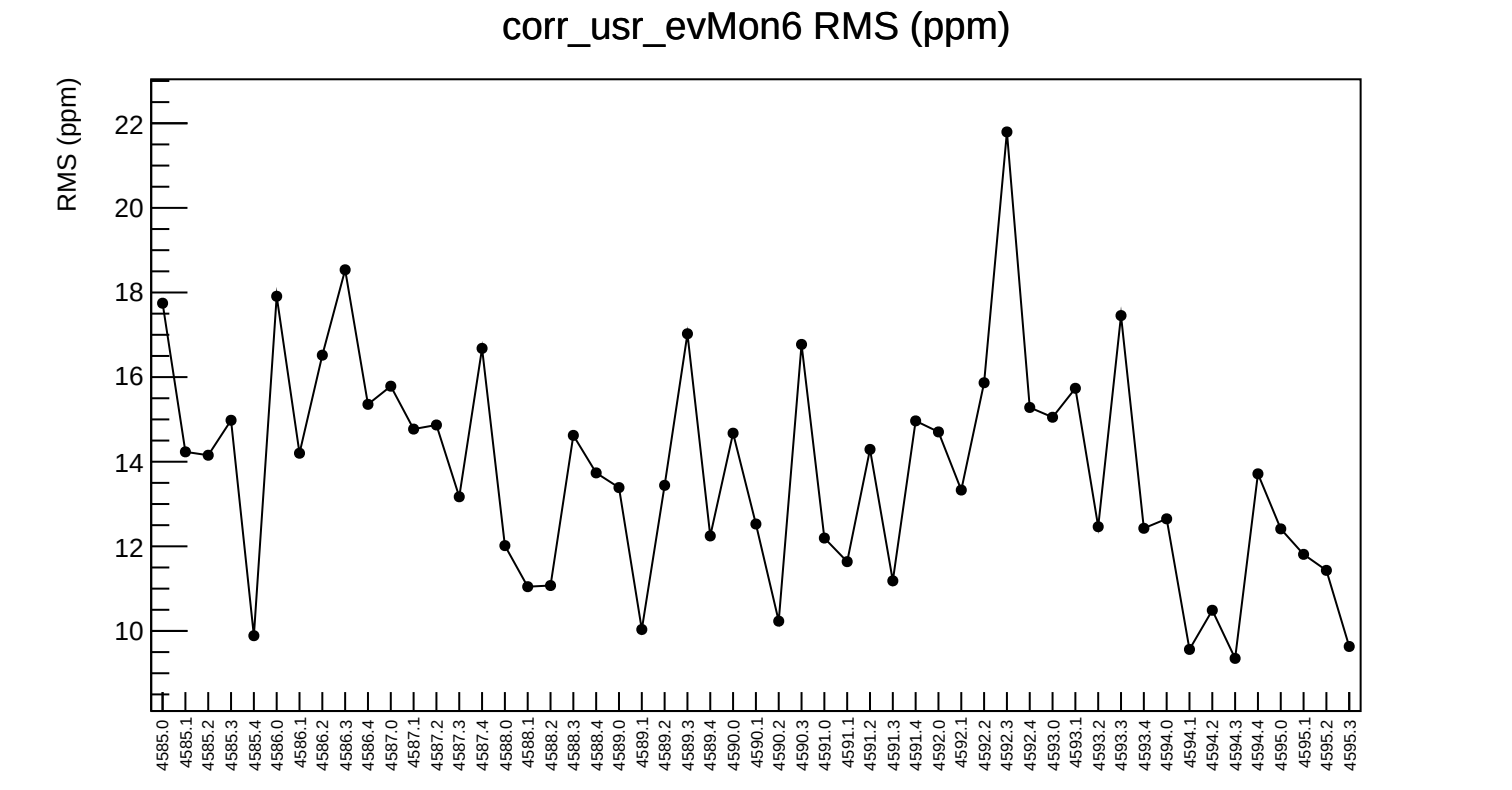

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
105
100
95
90
85
80
75
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

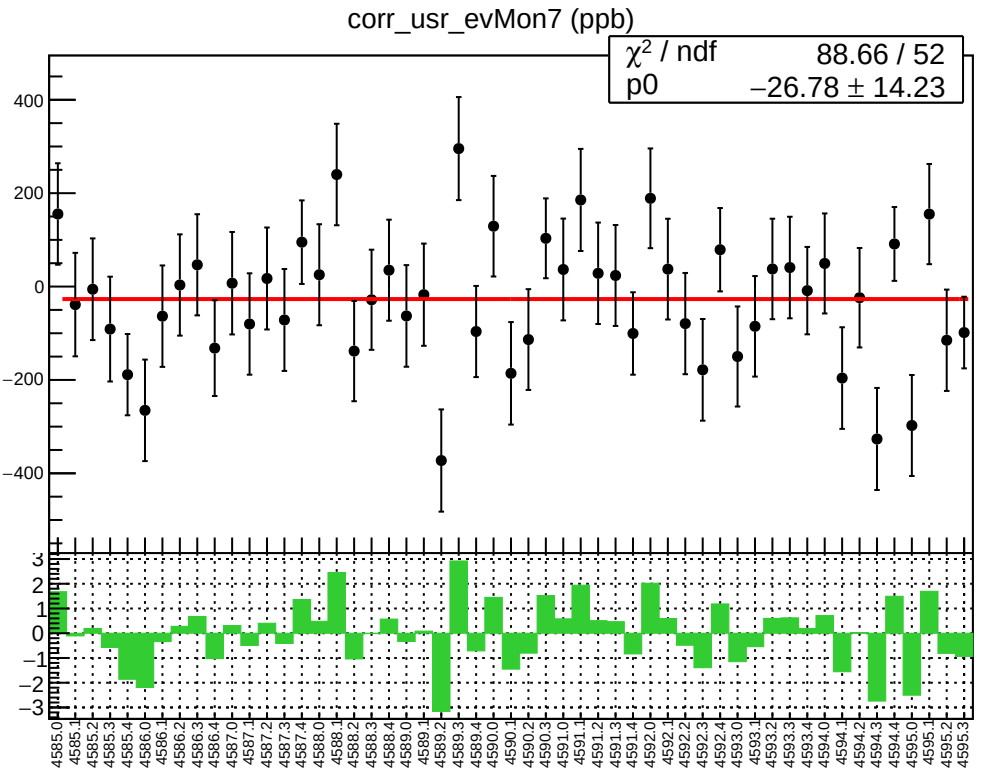

corr_usr_evMon5 (ppb)
χ² / ndf 4.334 / 52
p0 2.635 ± 7.354
1D pull distribution
Mean 0.0008852 ± 0.03928
Std Dev 0.286 ± 0.02778
Underflow 0
Overflow 0
χ² / ndf 1.474 / 1
Constant 39.3 ± 8.0
Mean −0.06162 ± 0.03933
Sigma 0.2807 ± 0.0389

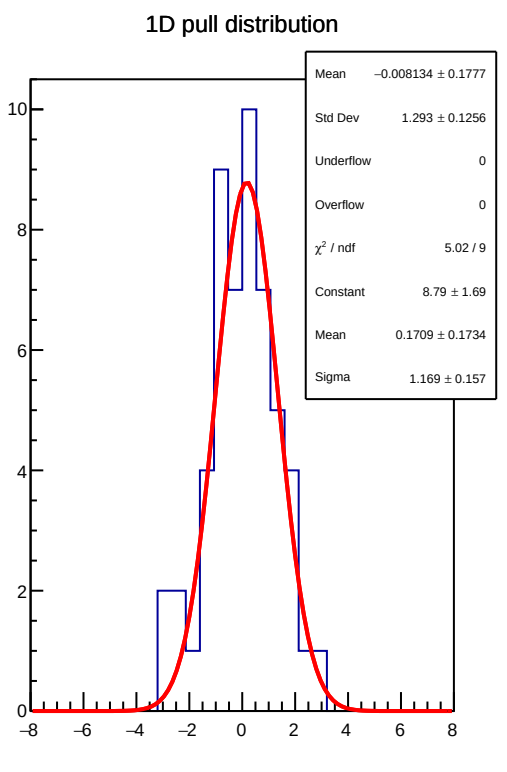

corr_usr_evMon5 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

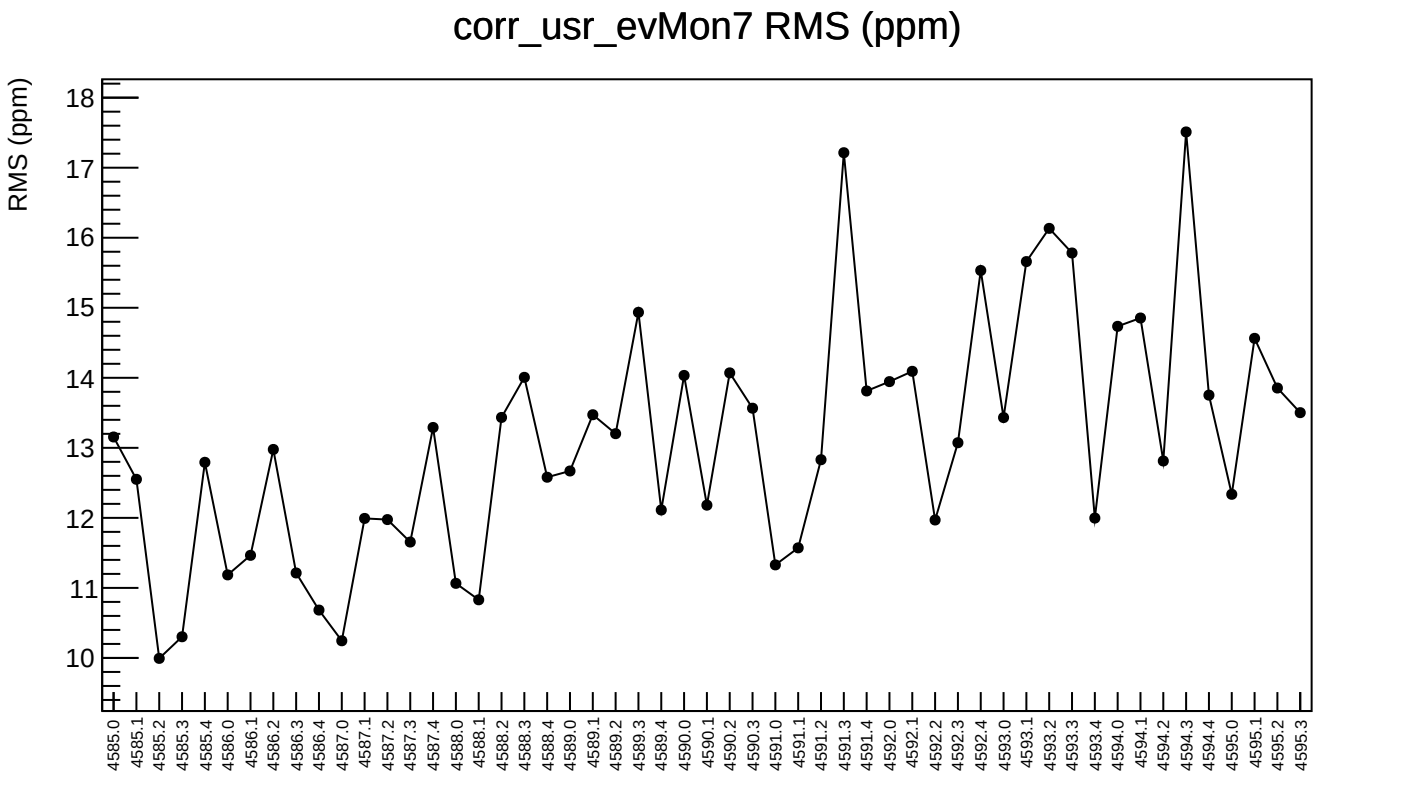

corr_usr_evMon6 (ppb)
χ² / ndf 25.86 / 52
p0 5.096 ± 18.94

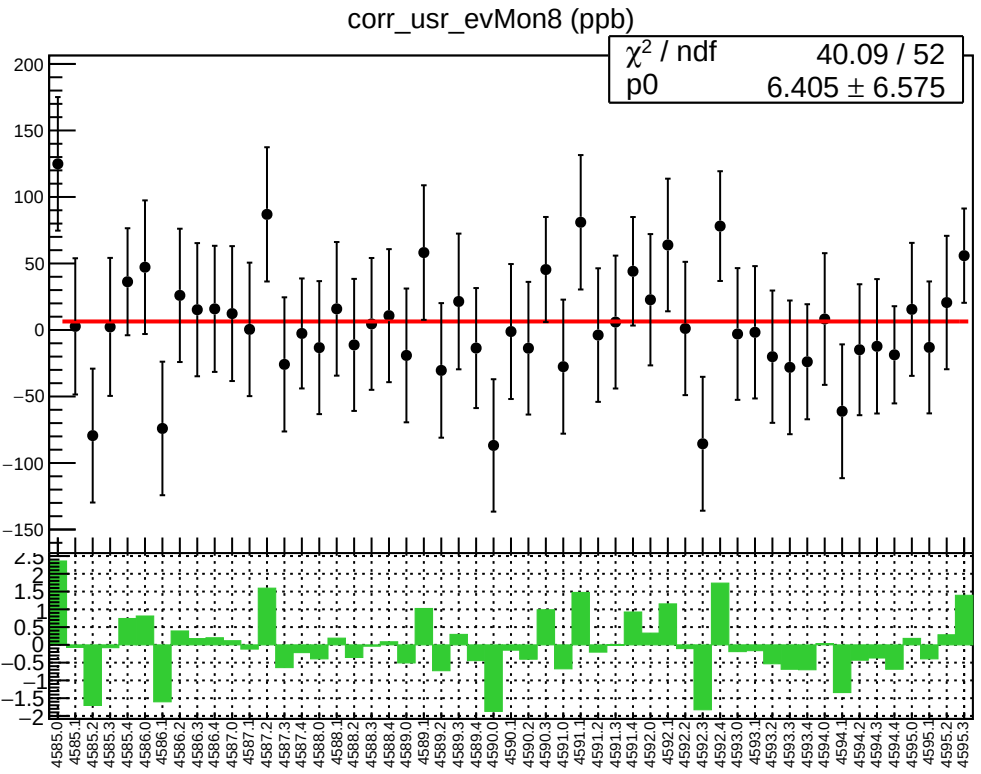

1D pull distribution
Mean −0.012 ± 0.09593
Std Dev 0.6984 ± 0.06784
Underflow 0
Overflow 0
χ² / ndf 1.875 / 4
Constant 15.28 ± 2.92
Mean −0.04067 ± 0.11294
Sigma 0.7224 ± 0.1051

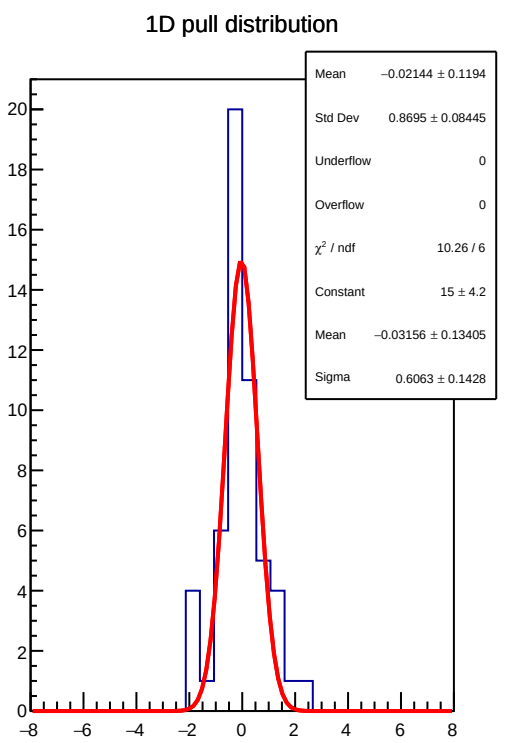

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
10
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

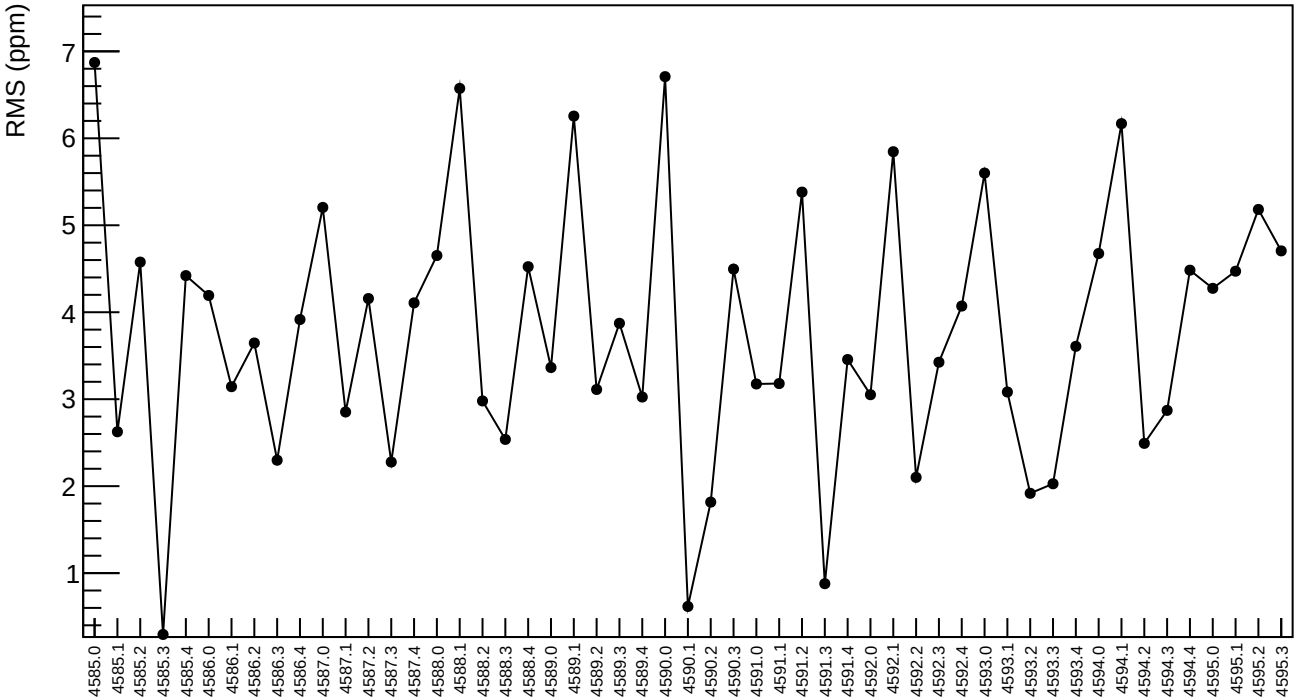

corr_usr_evMon7 (ppb)
χ² / ndf 88.66 / 52
p0 −26.78 ± 14.23
400
200
0
−200
−400
3
2
1
0
−1
−2
−3
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

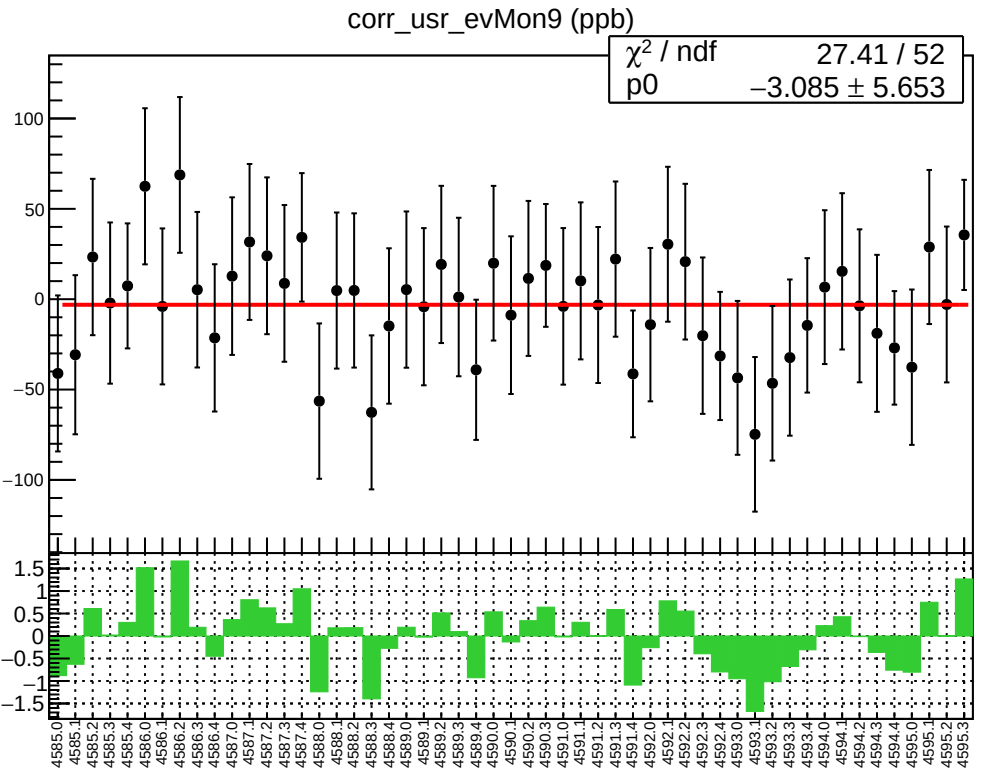

1D pull distribution
Mean −0.008134 ± 0.1777
Std Dev 1.293 ± 0.1256
Underflow 0
Overflow 0
χ² / ndf 5.02 / 9
Constant 8.79 ± 1.69
Mean 0.1709 ± 0.1734
Sigma 1.169 ± 0.157
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

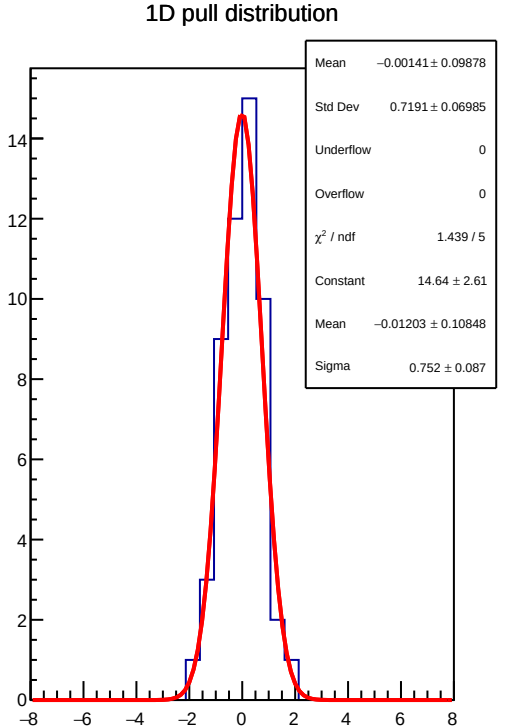

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
18
17
16
15
14
13
12
11
10
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

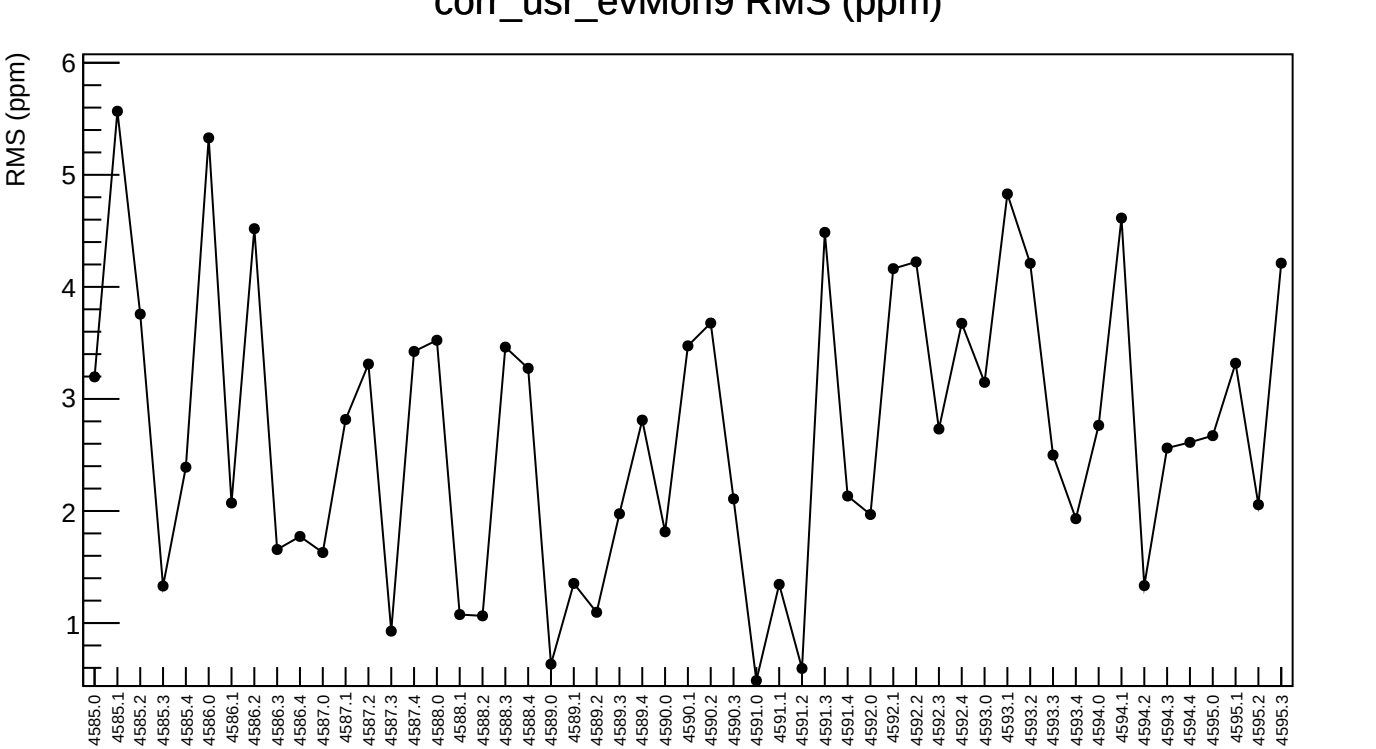

corr_usr_evMon8 (ppb)
χ² / ndf 40.09 / 52
p0 6.405 ± 6.575

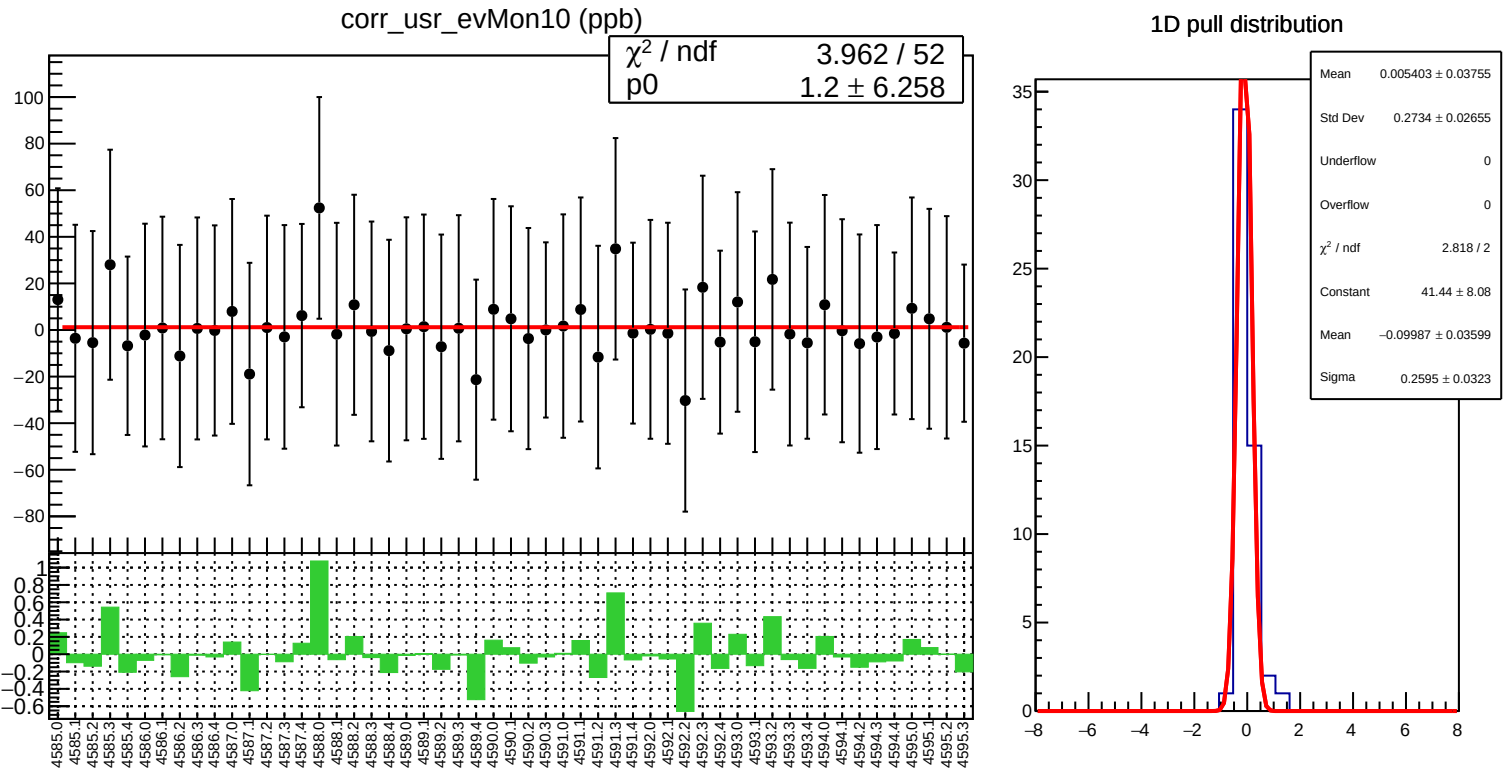

1D pull distribution
Mean −0.02144 ± 0.1194
Std Dev 0.8695 ± 0.08445
Underflow 0
Overflow 0
χ² / ndf 10.26 / 6
Constant 15 ± 4.2
Mean −0.03156 ± 0.13405
Sigma 0.6063 ± 0.1428

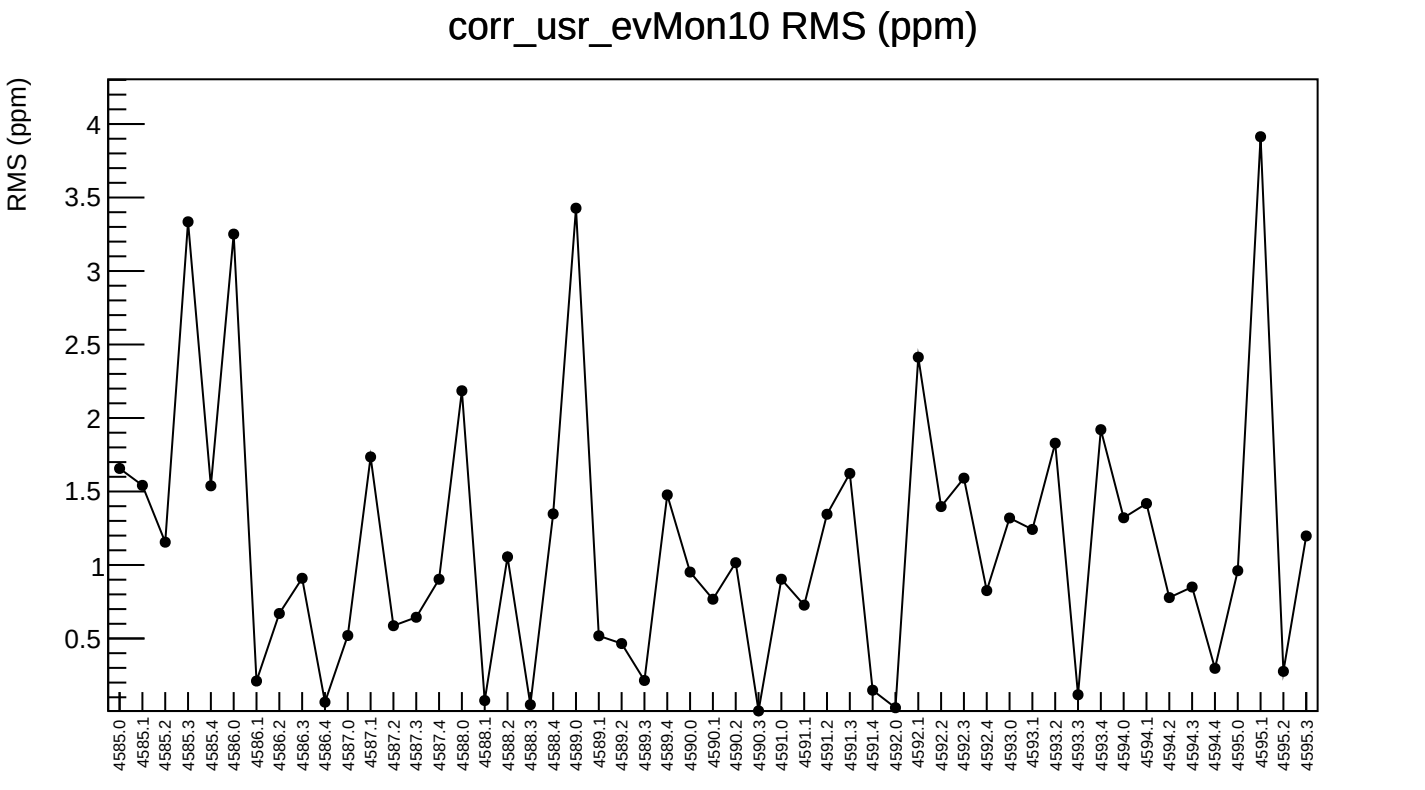

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

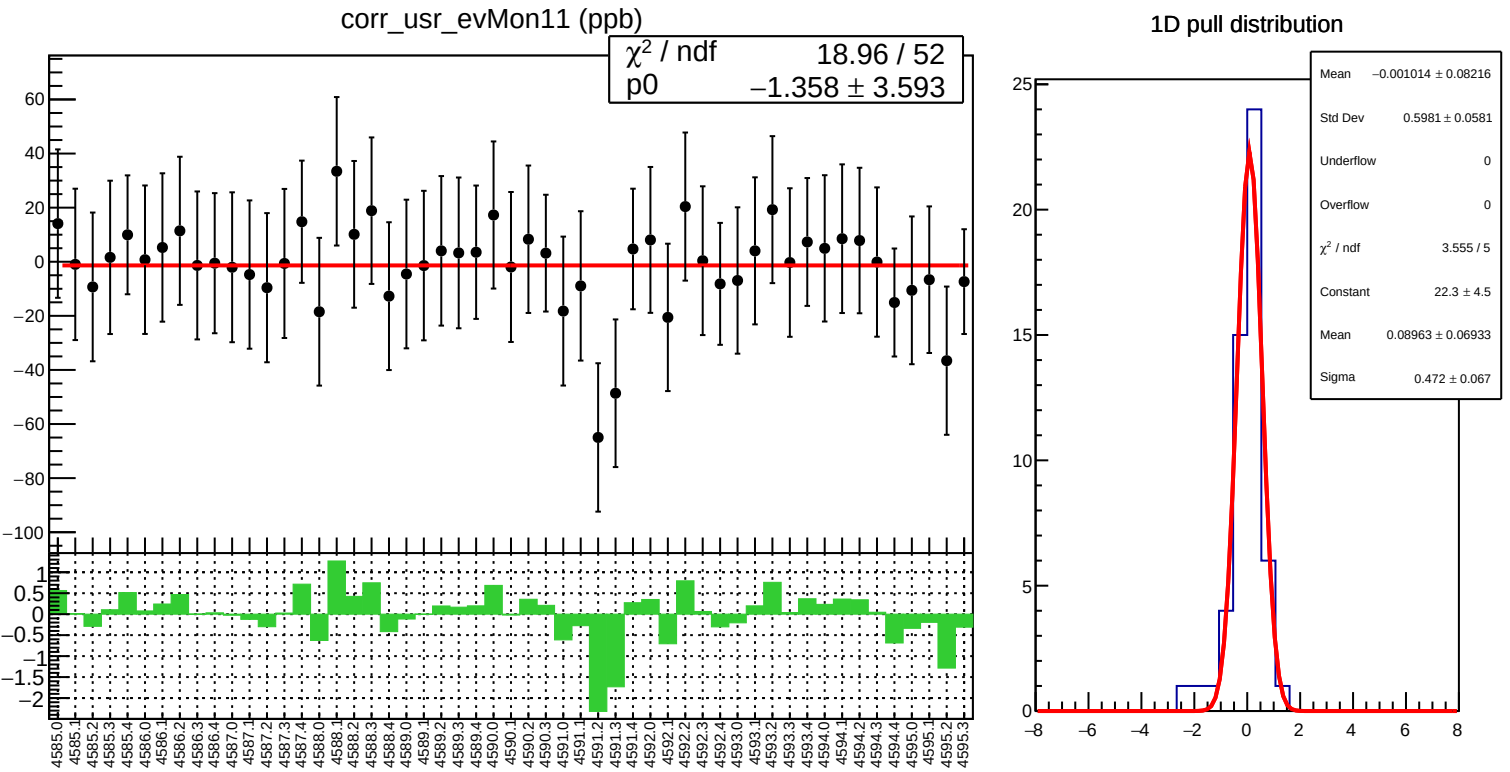

corr_usr_evMon9 (ppb)
χ² / ndf 27.41 / 52
p0 −3.085 ± 5.653
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3

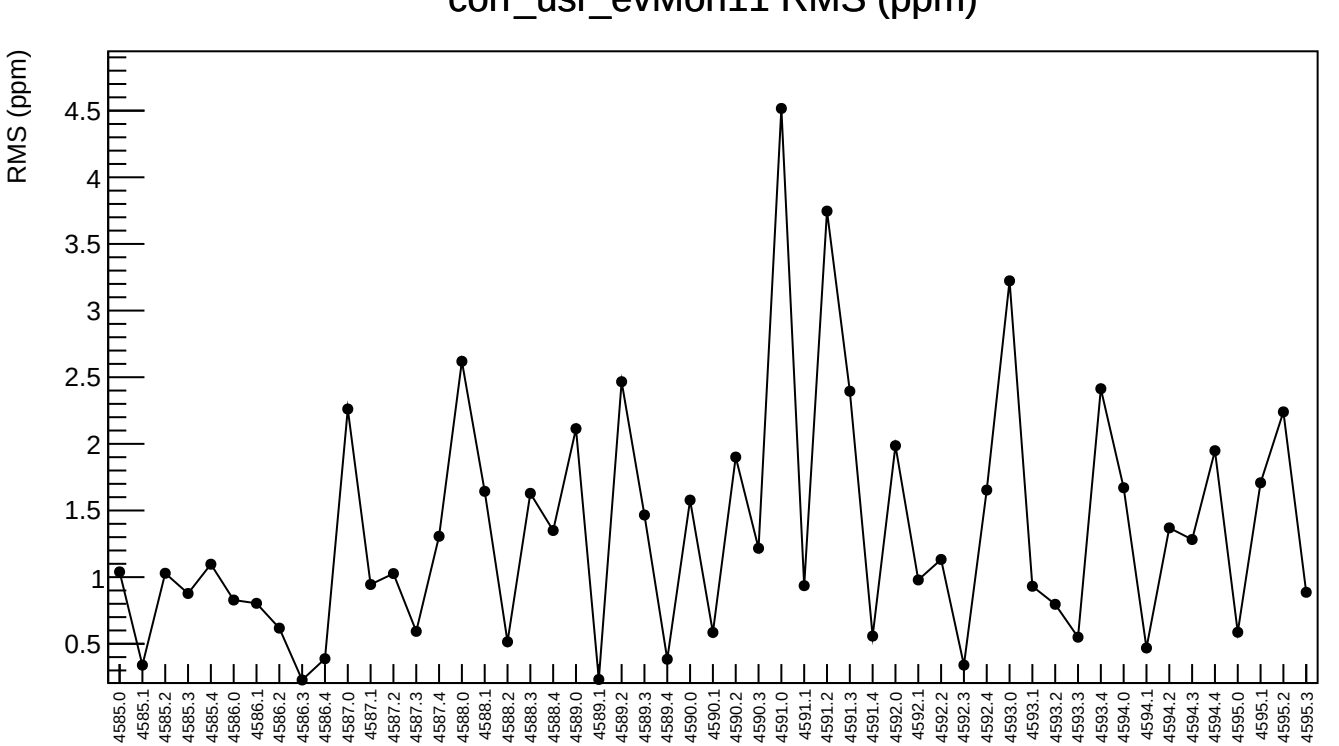

1D pull distribution
Mean −0.00141 ± 0.09878
Std Dev 0.7191 ± 0.06985
Underflow 0
Overflow 0
χ² / ndf 1.439 / 5
Constant 14.64 ± 2.61
Mean −0.01203 ± 0.10848
Sigma 0.752 ± 0.087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


corr_usr_evMon9 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3


corr_usr_evMon10 (ppb)
χ² / ndf 3.962 / 52
p0 1.2 ± 6.258
1D pull distribution
Mean 0.005403 ± 0.03755
Std Dev 0.2734 ± 0.02655
Underflow 0
Overflow 0
χ² / ndf 2.818 / 2
Constant 41.44 ± 8.08
Mean −0.09987 ± 0.03599
Sigma 0.2595 ± 0.0323


corr_usr_evMon10 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3


corr_usr_evMon11 (ppb)
χ² / ndf 18.96 / 52
p0 −1.358 ± 3.593
1D pull distribution
Mean −0.001014 ± 0.08216
Std Dev 0.5981 ± 0.0581
Underflow 0
Overflow 0
χ² / ndf 3.555 / 5
Constant 22.3 ± 4.5
Mean 0.08963 ± 0.06933
Sigma 0.472 ± 0.067


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4585.0
4585.1
4585.2
4585.3
4585.4
4586.0
4586.1
4586.2
4586.3
4586.4
4587.0
4587.1
4587.2
4587.3
4587.4
4588.0
4588.1
4588.2
4588.3
4588.4
4589.0
4589.1
4589.2
4589.3
4589.4
4590.0
4590.1
4590.2
4590.3
4591.0
4591.1
4591.2
4591.3
4591.4
4592.0
4592.1
4592.2
4592.3
4592.4
4593.0
4593.1
4593.2
4593.3
4593.4
4594.0
4594.1
4594.2
4594.3
4594.4
4595.0
4595.1
4595.2
4595.3