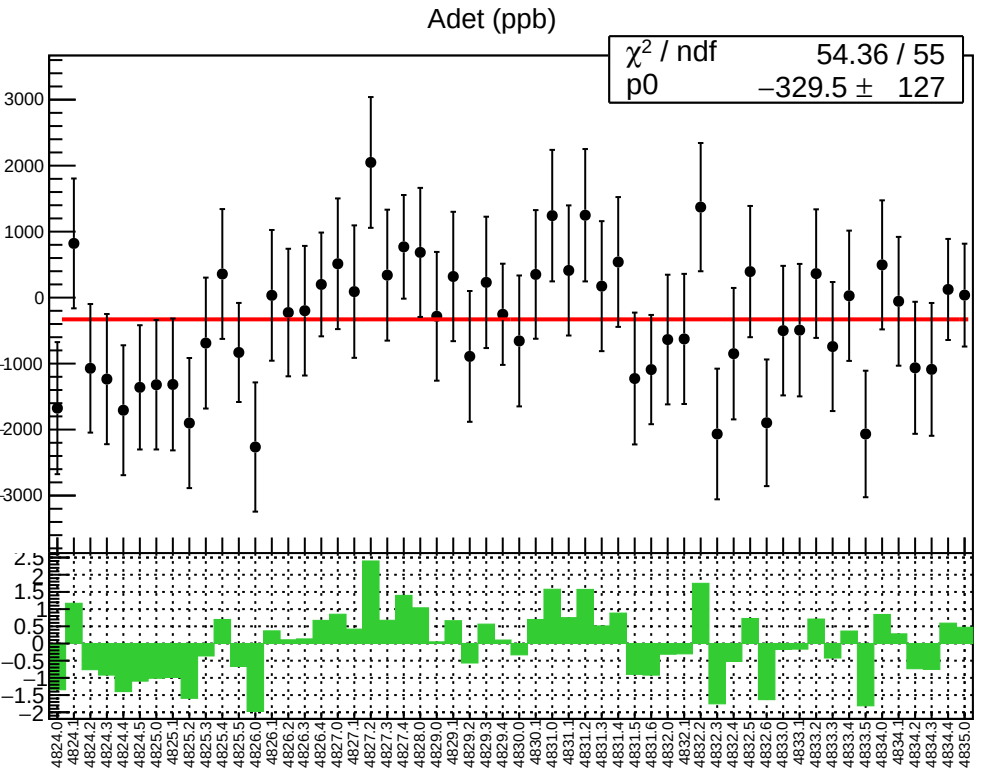
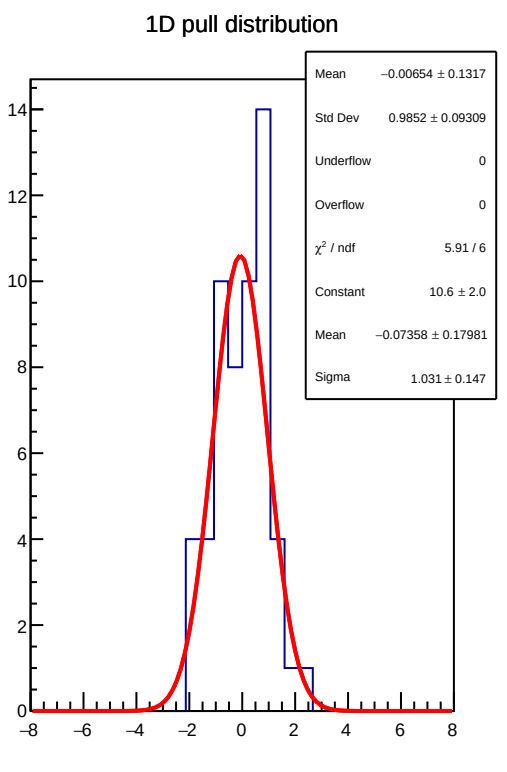
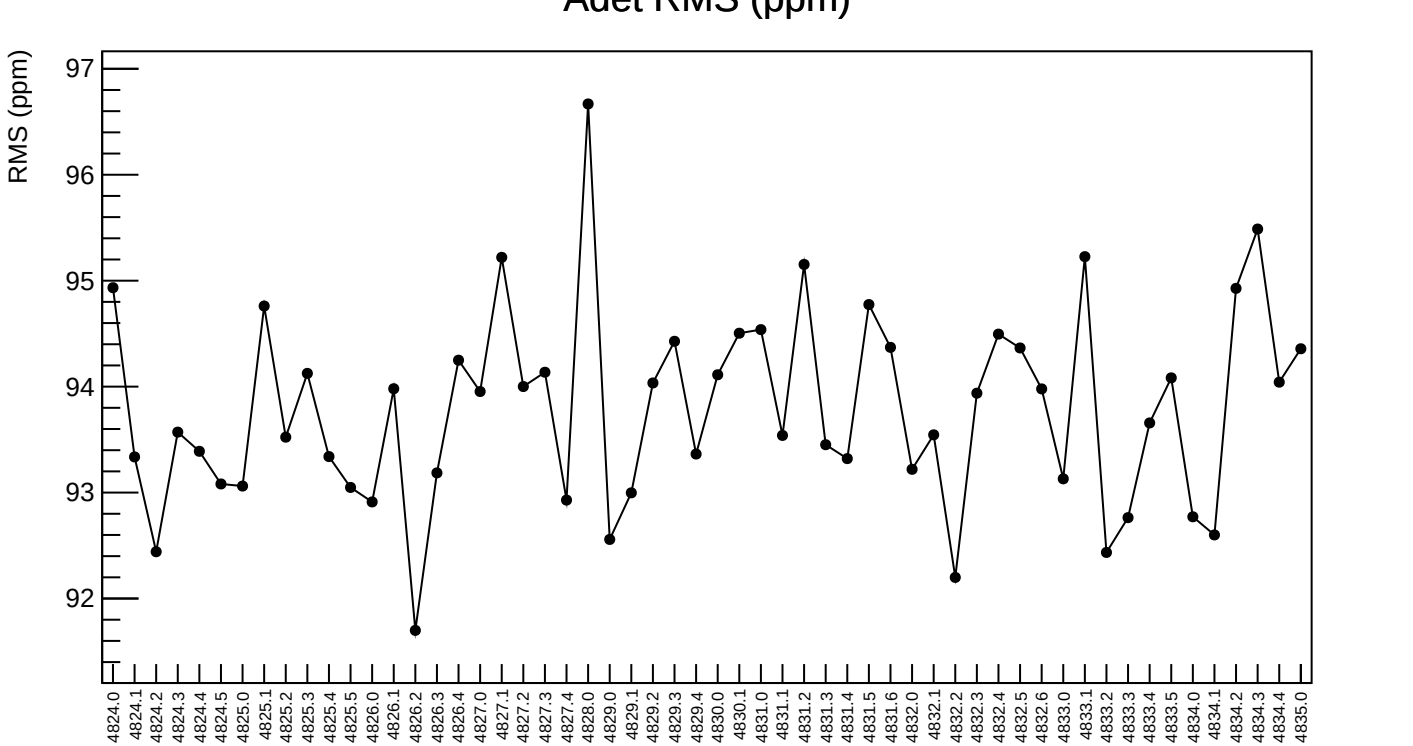
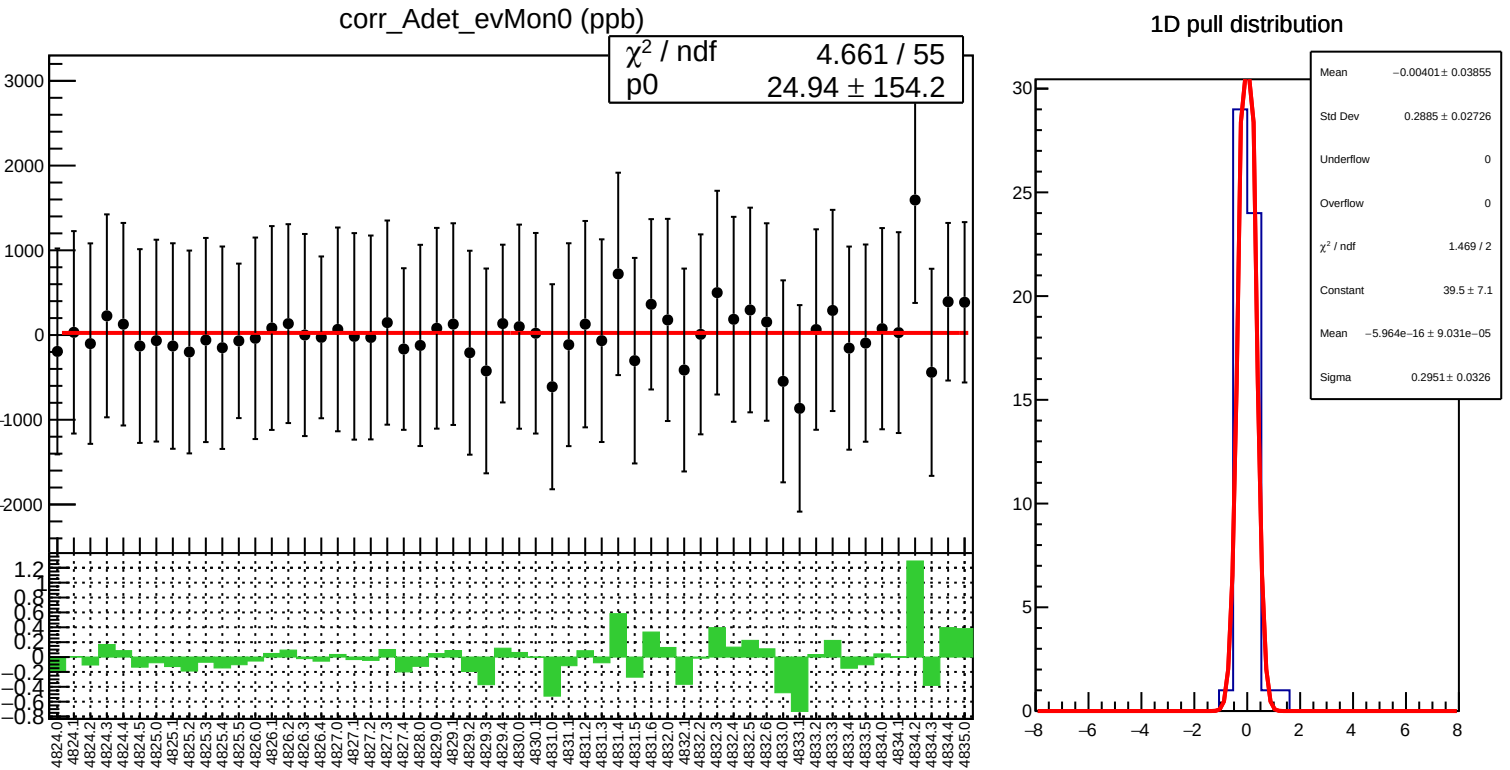
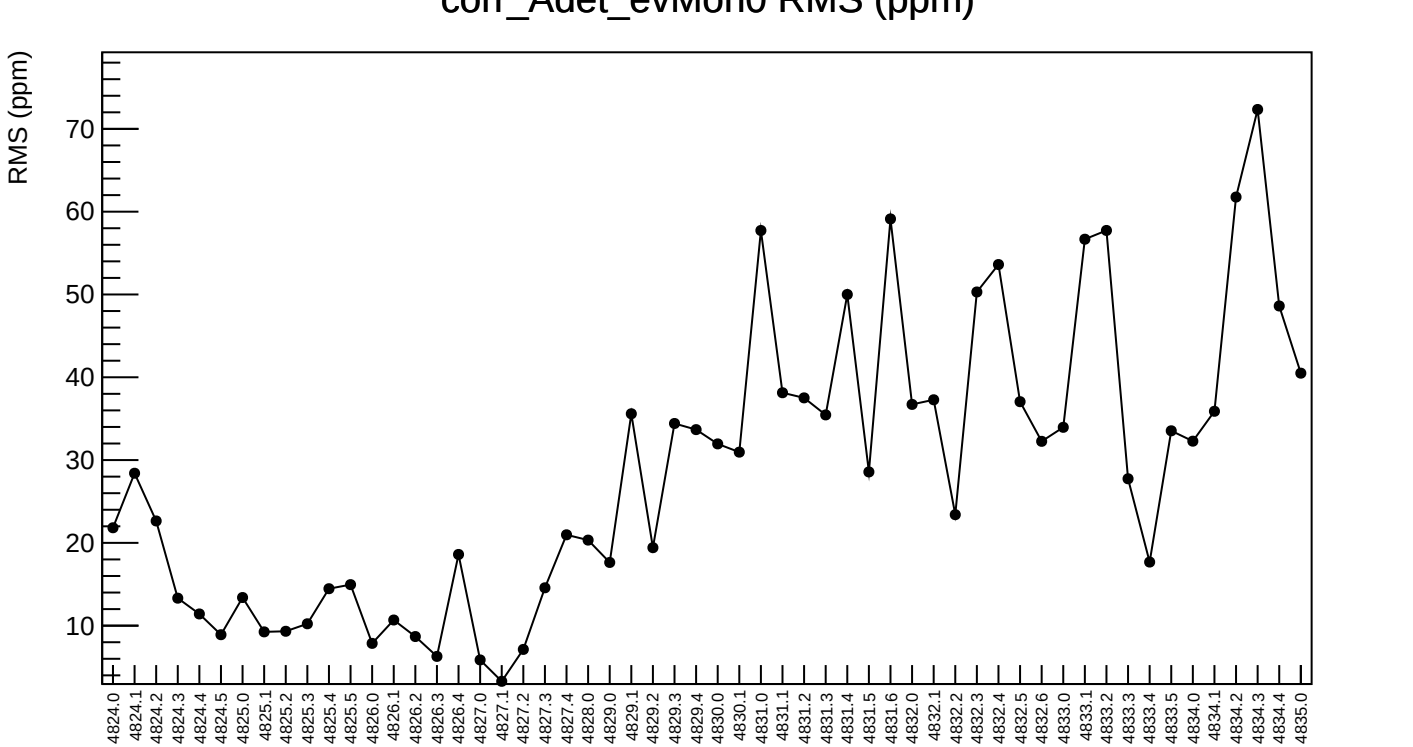
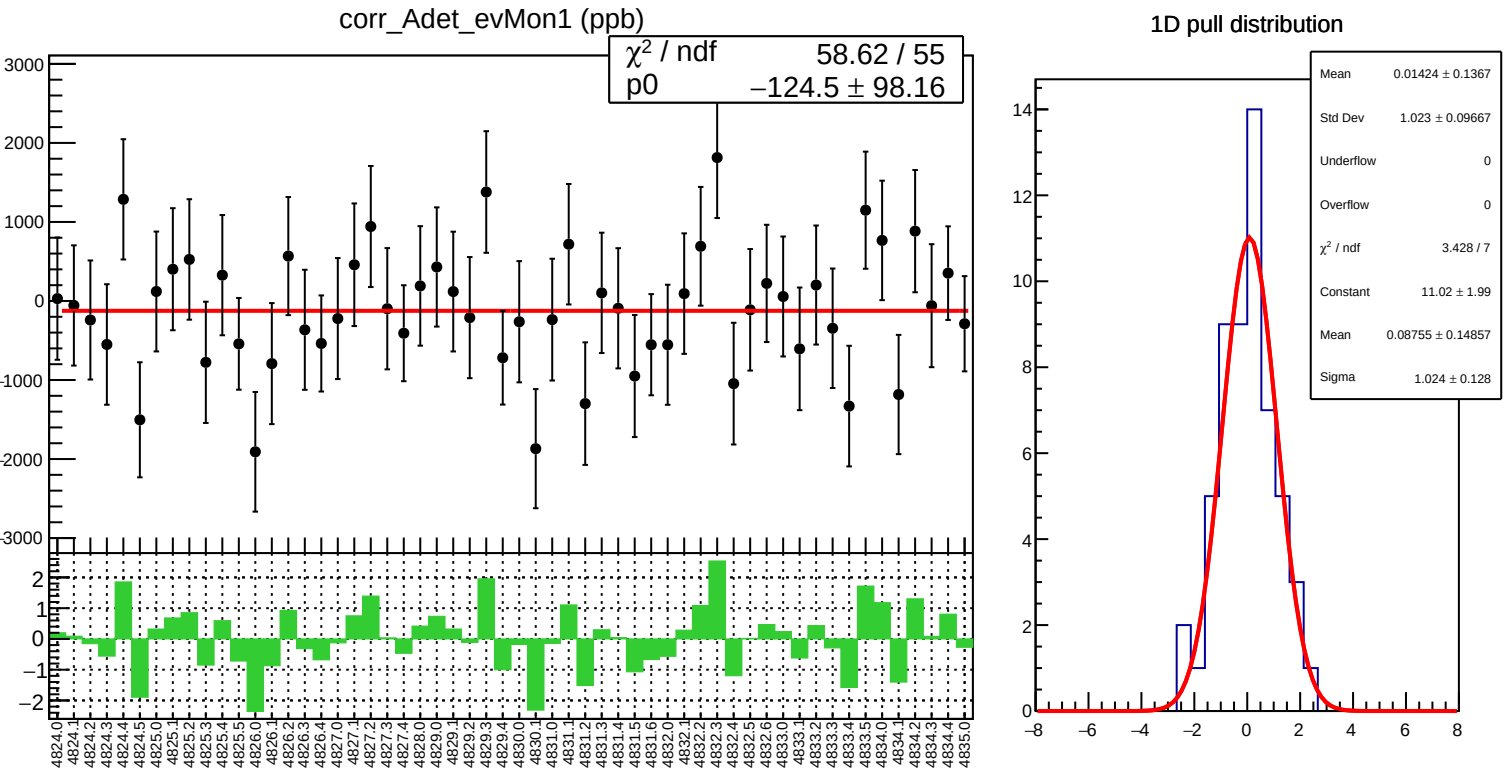

Adet (ppb)
χ² / ndf 54.36 / 55
p0 −329.5 ± 127
3000
2000
1000
0
-1000
-2000
-3000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

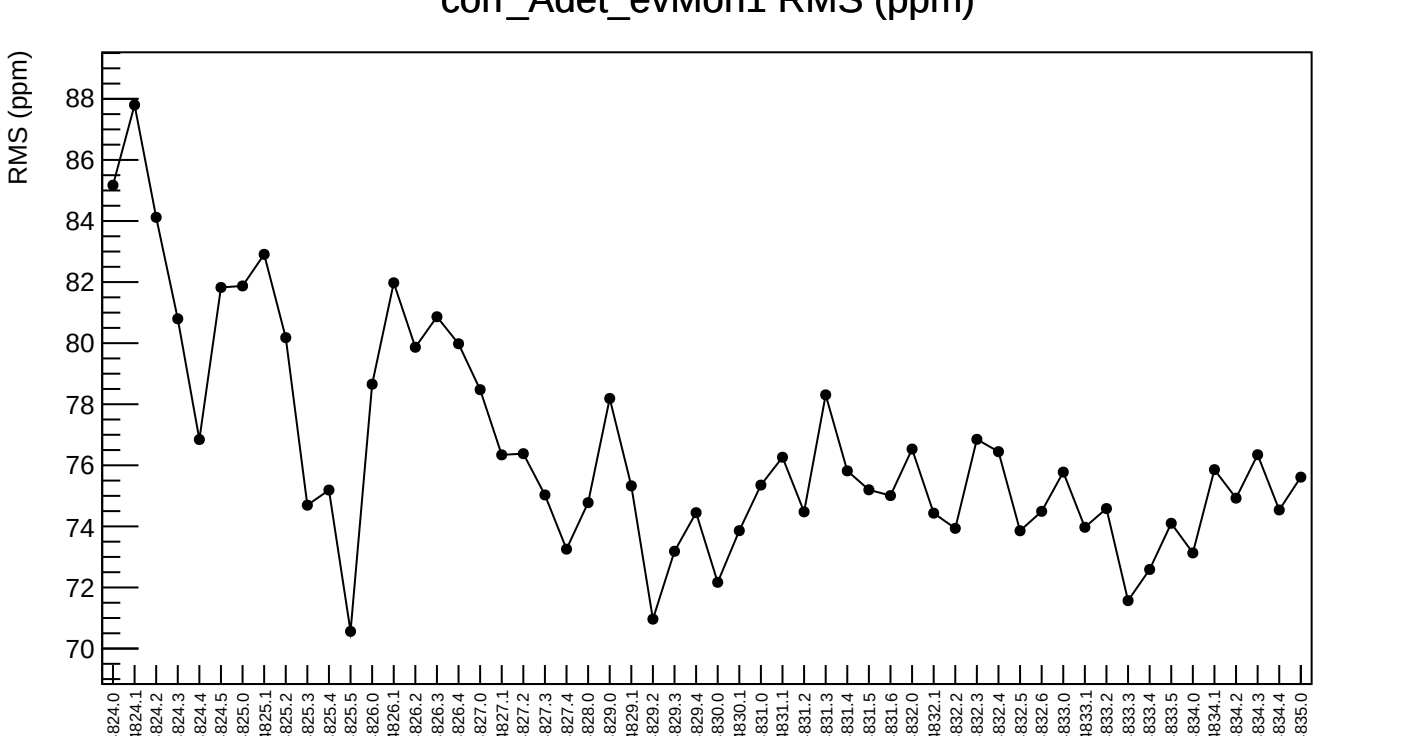

1D pull distribution
Mean −0.00654 ± 0.1317
Std Dev 0.9852 ± 0.09309
Underflow 0
Overflow 0
χ² / ndf 5.91 / 6
Constant 10.6 ± 2.0
Mean −0.07358 ± 0.17981
Sigma 1.031 ± 0.147
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

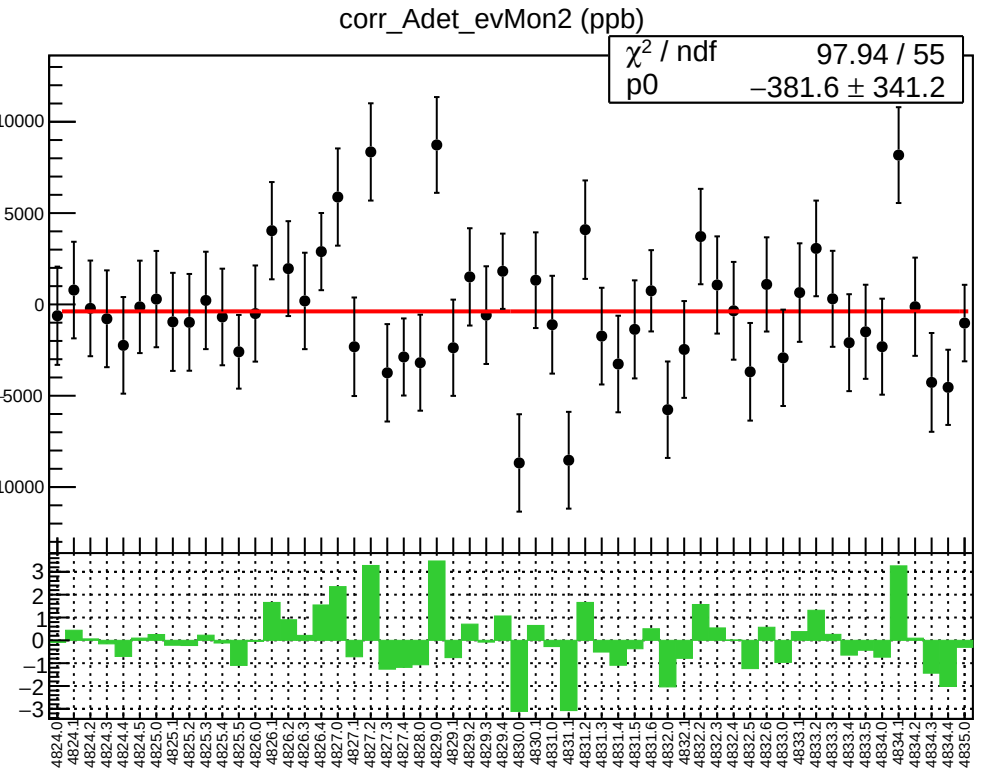

Adet RMS (ppm)
RMS (ppm)
97
96
95
94
93
92
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

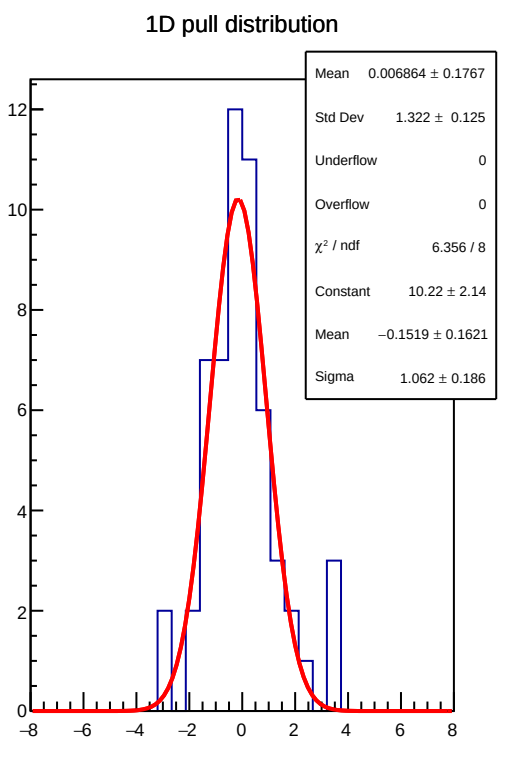

corr_Adet_evMon0 (ppb)
χ² / ndf 4.661 / 55
p0 24.94 ± 154.2
1D pull distribution
Mean −0.00401 ± 0.03855
Std Dev 0.2885 ± 0.02726
Underflow 0
Overflow 0
χ² / ndf 1.469 / 2
Constant 39.5 ± 7.1
Mean −5.964e−16 ± 9.031e−05
Sigma 0.2951 ± 0.0326

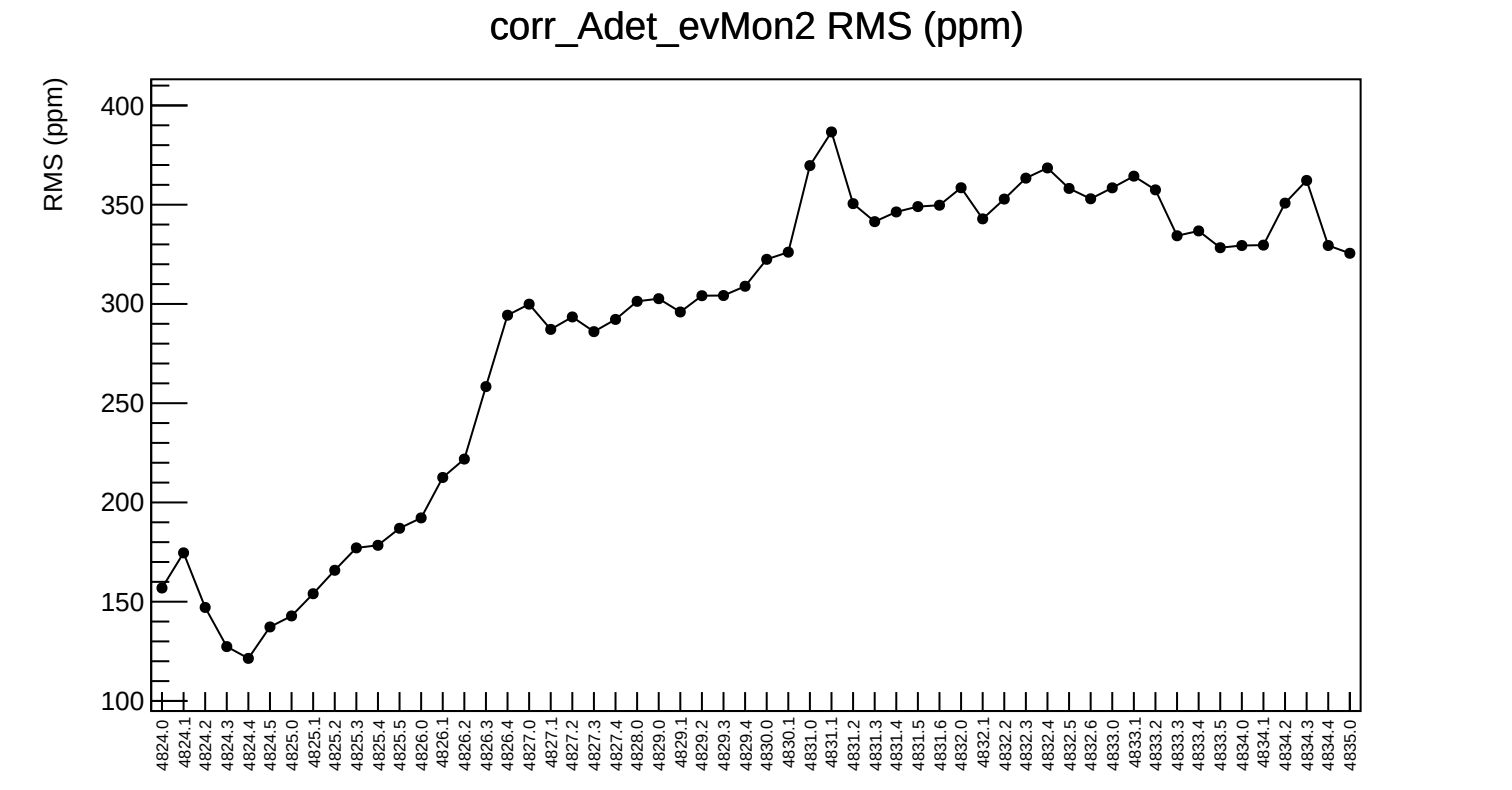

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
10
20
30
40
50
60
70
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

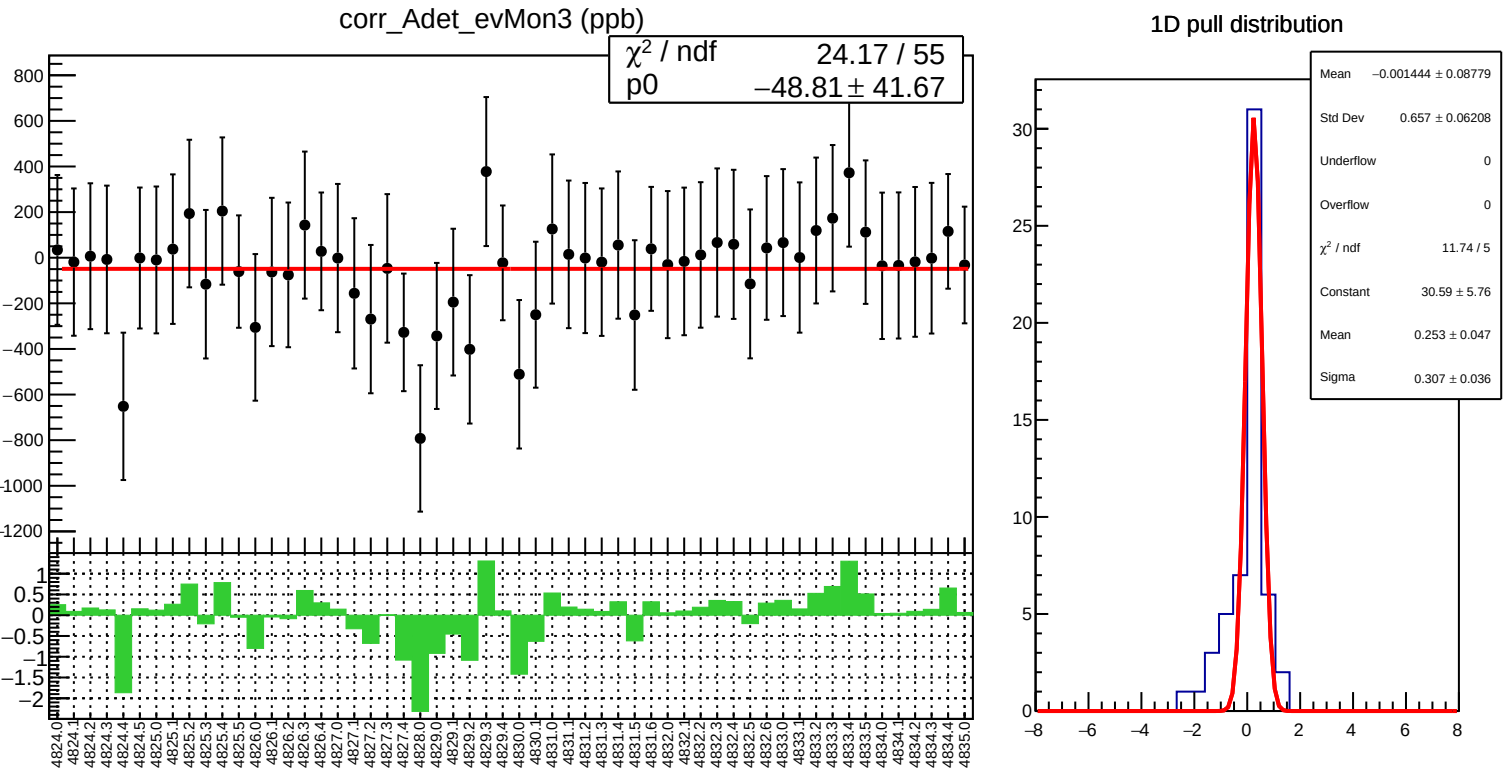

corr_Adet_evMon1 (ppb)
χ² / ndf 58.62 / 55
p0 −124.5 ± 98.16
1D pull distribution
Mean 0.01424 ± 0.1367
Std Dev 1.023 ± 0.09667
Underflow 0
Overflow 0
χ² / ndf 3.428 / 7
Constant 11.02 ± 1.99
Mean 0.08755 ± 0.14857
Sigma 1.024 ± 0.128

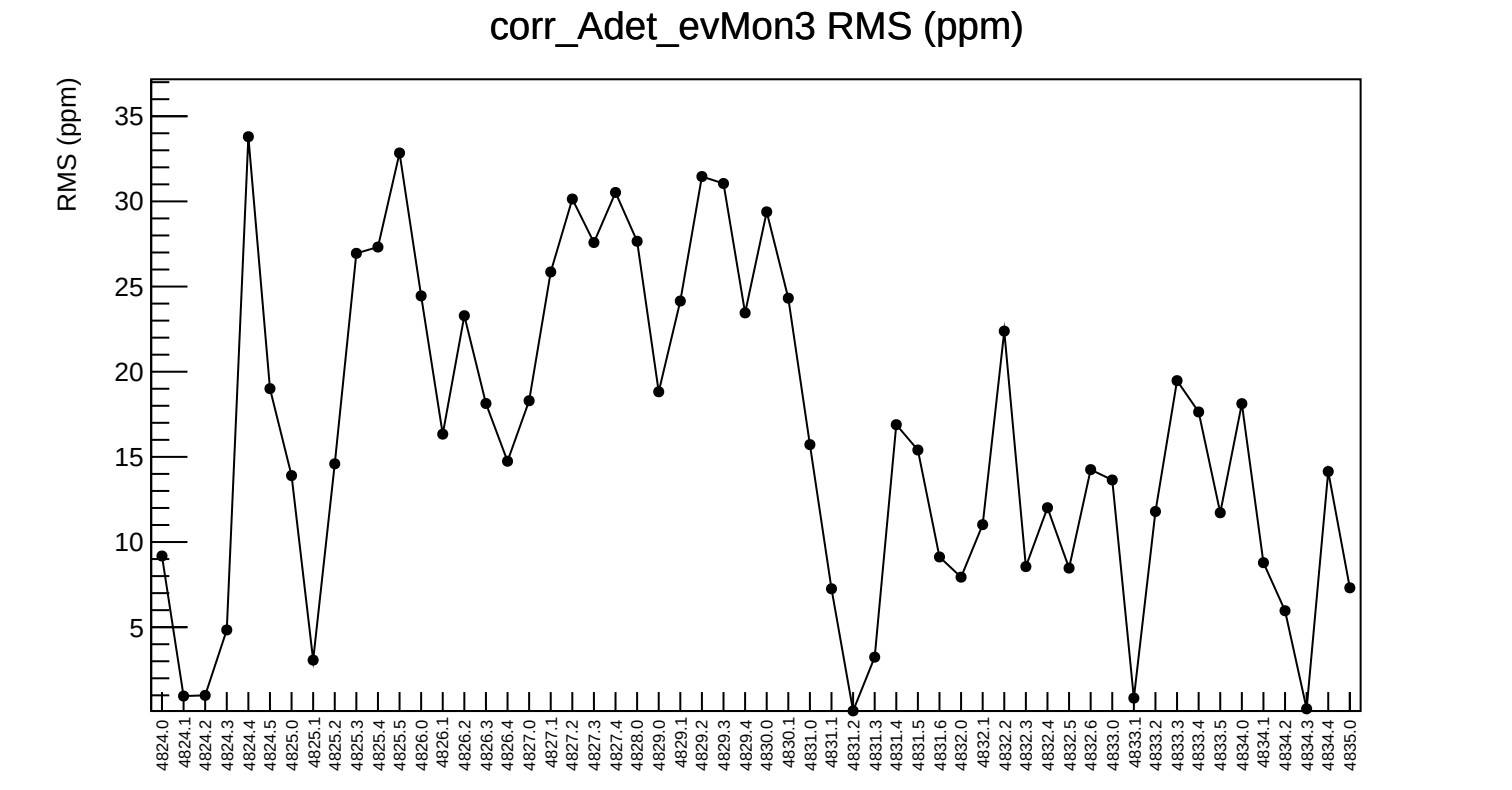

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
88
86
84
82
80
78
76
74
72
70
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

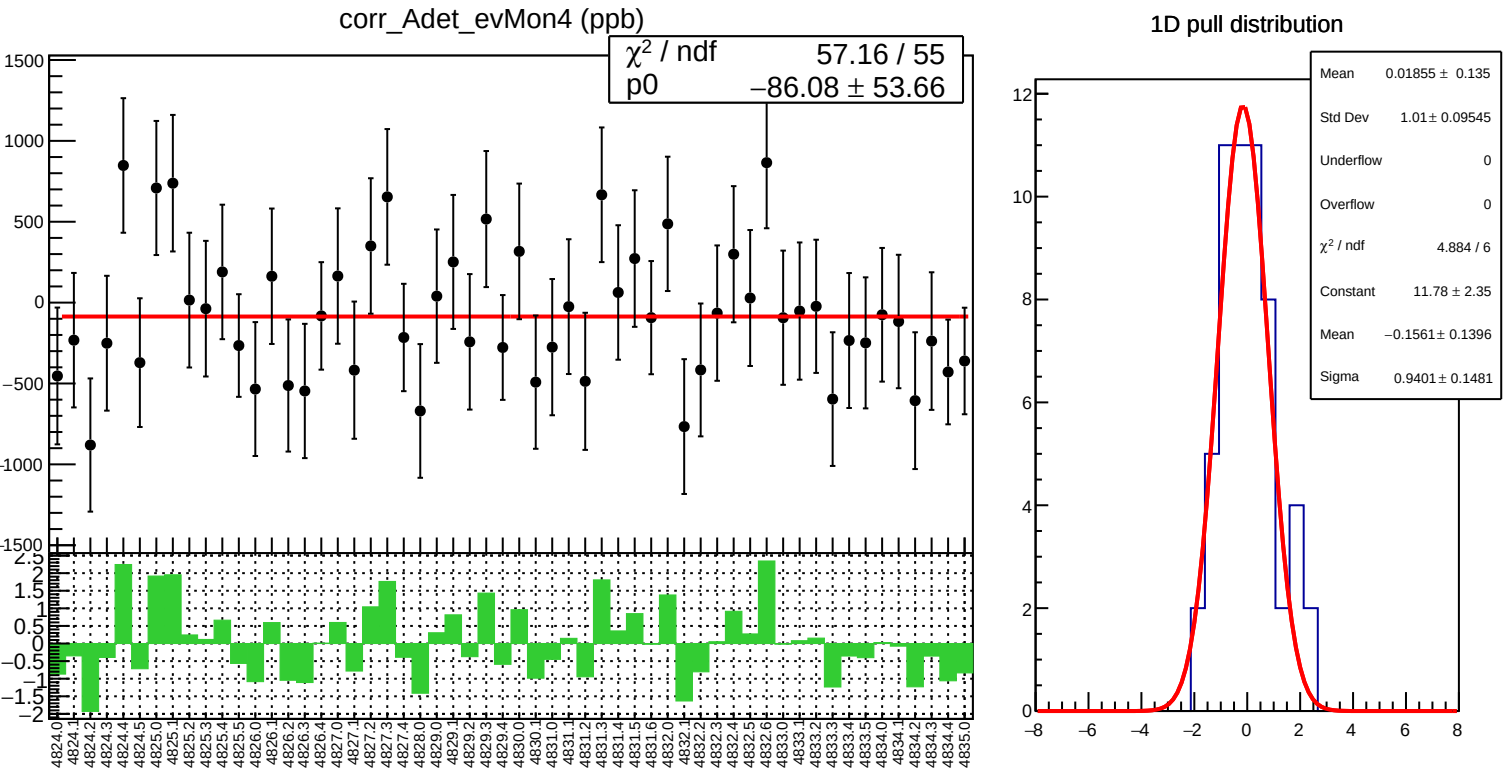

corr_Adet_evMon2 (ppb)
χ² / ndf 97.94 / 55
p0 −381.6 ± 341.2
10000
5000
0
−5000
−10000
3
2
1
0
−1
−2
−3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

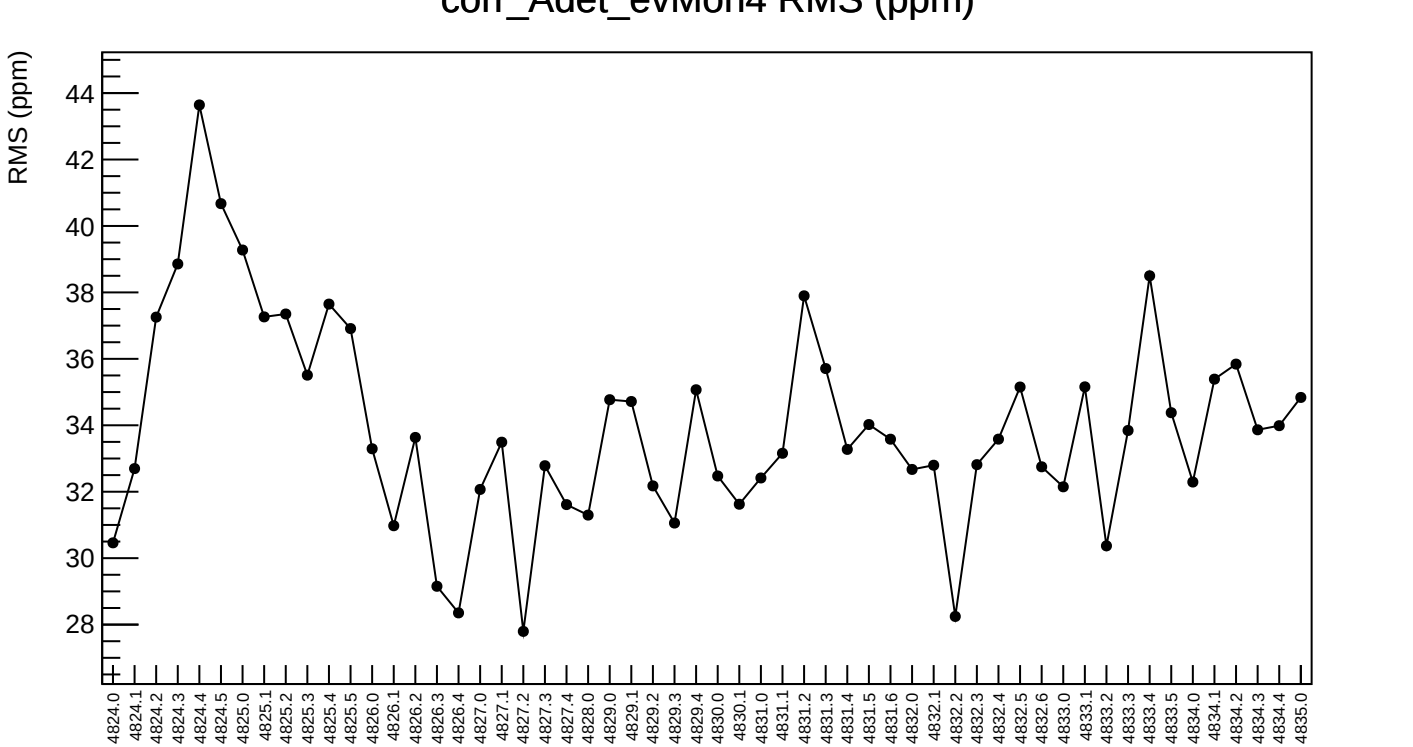

1D pull distribution
Mean 0.006864 ± 0.1767
Std Dev 1.322 ± 0.125
Underflow 0
Overflow 0
χ² / ndf 6.356 / 8
Constant 10.22 ± 2.14
Mean −0.1519 ± 0.1621
Sigma 1.062 ± 0.186
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

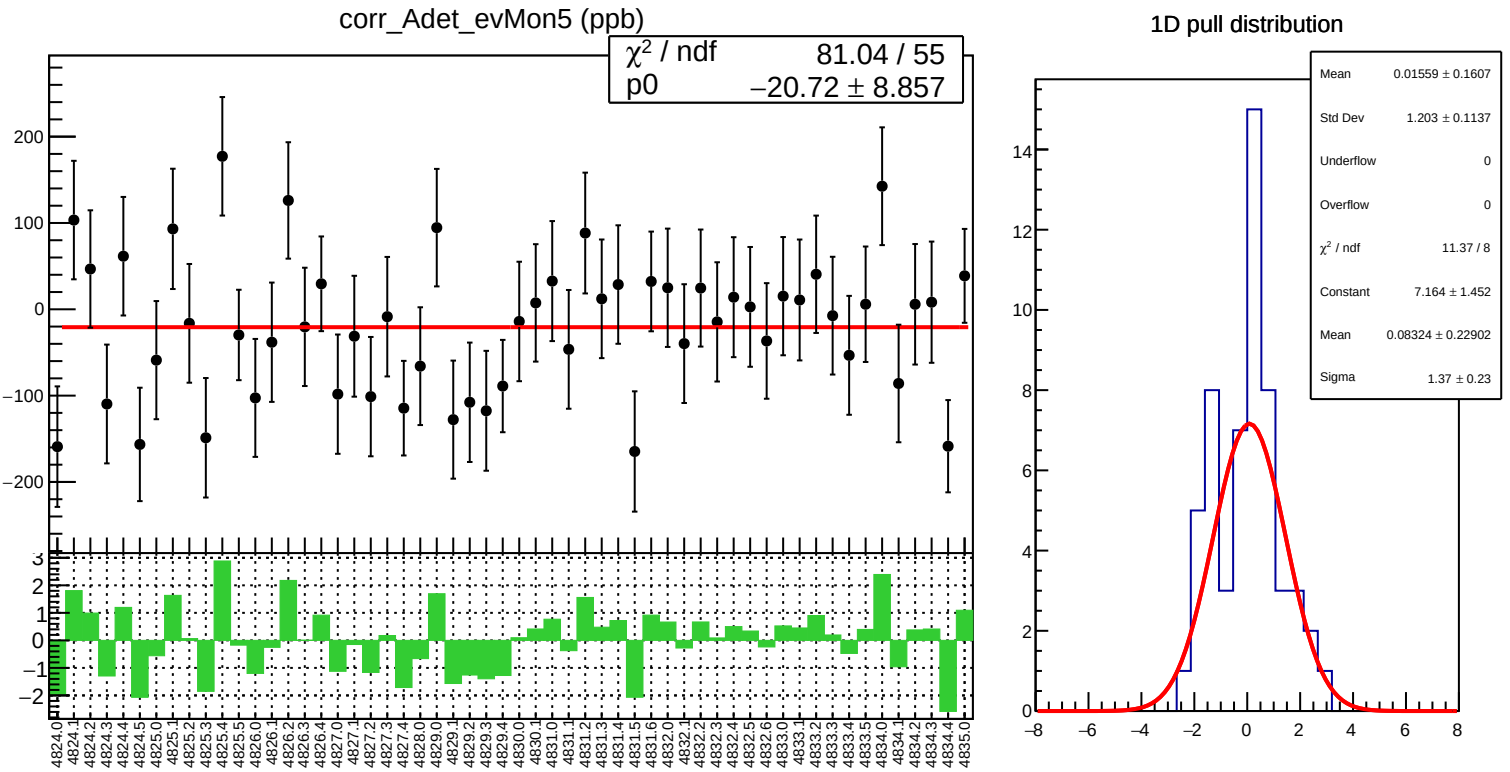

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
400
350
300
250
200
150
100
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

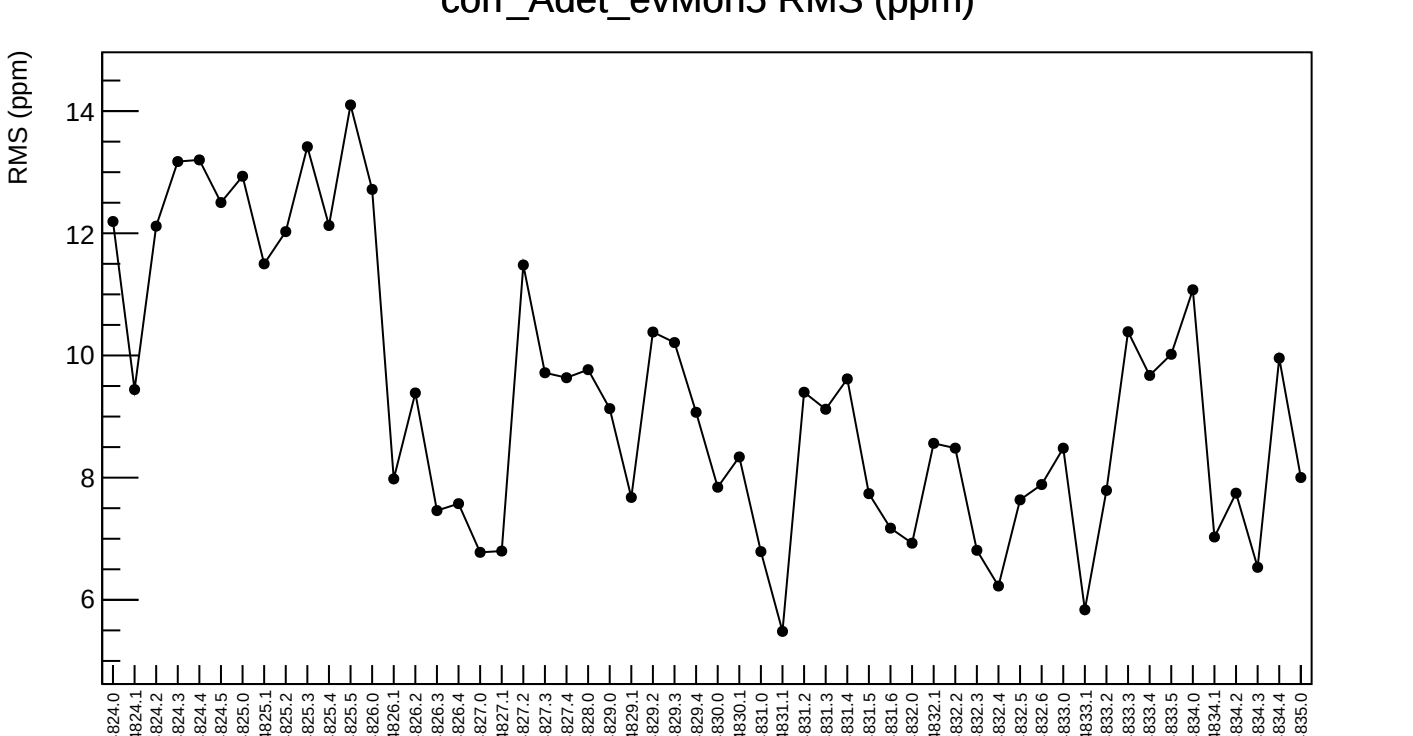

corr_Adet_evMon3 (ppb)
χ² / ndf 24.17 / 55
p0 −48.81 ± 41.67
1D pull distribution
Mean −0.001444 ± 0.08779
Std Dev 0.657 ± 0.06208
Underflow 0
Overflow 0
χ² / ndf 11.74 / 5
Constant 30.59 ± 5.76
Mean 0.253 ± 0.047
Sigma 0.307 ± 0.036

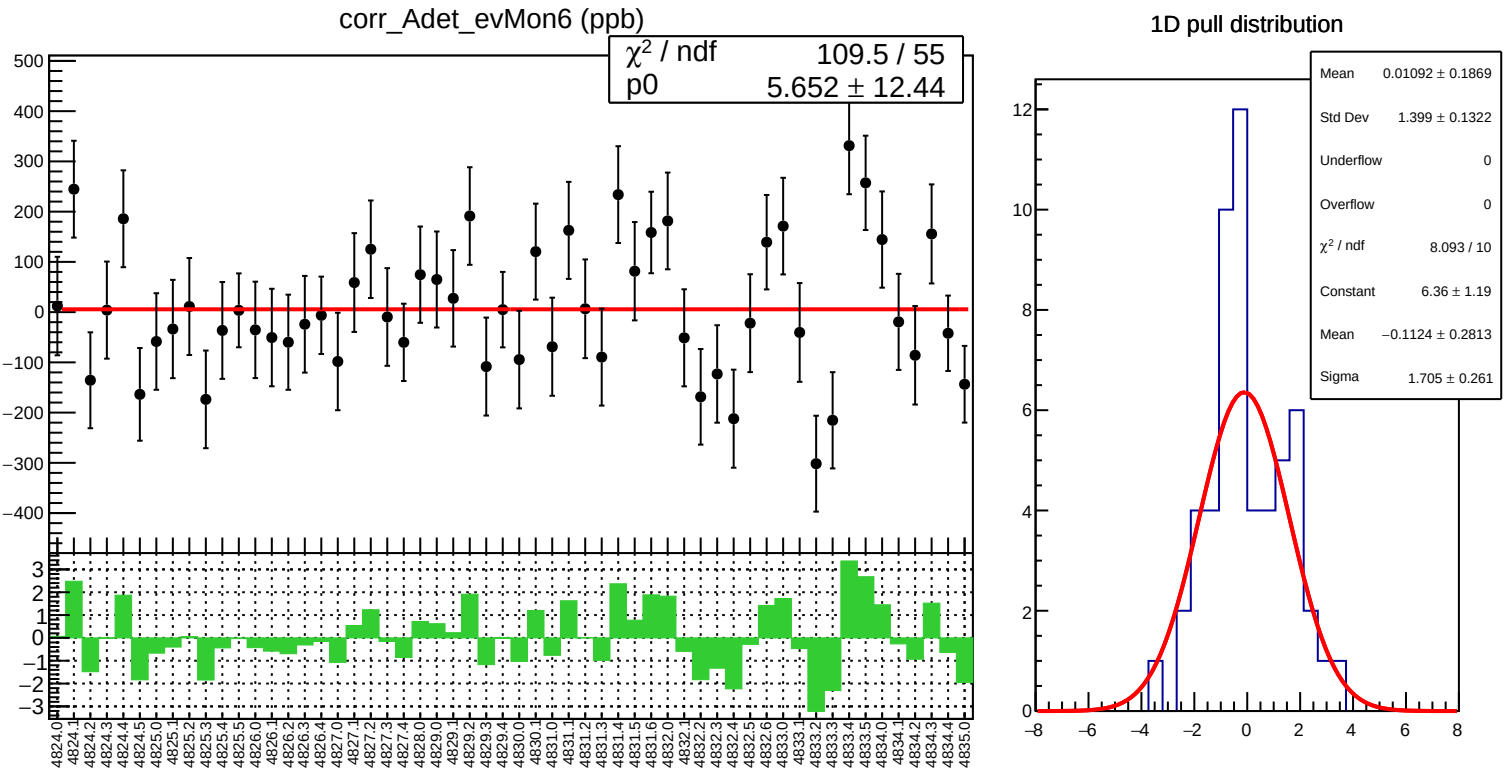

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
35
30
25
20
15
10
5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

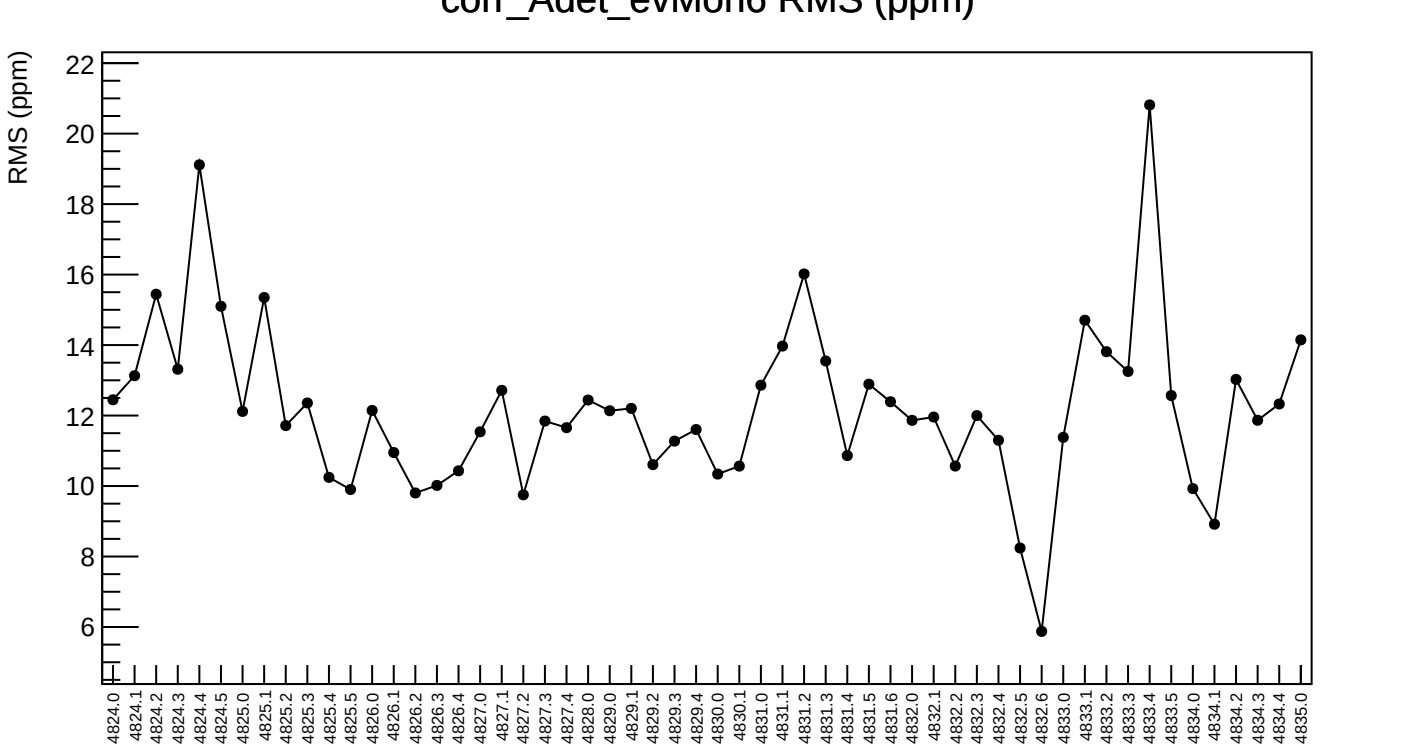

corr_Adet_evMon4 (ppb)
χ² / ndf 57.16 / 55
p0 −86.08 ± 53.66
1D pull distribution
Mean 0.01855 ± 0.135
Std Dev 1.01 ± 0.09545
Underflow 0
Overflow 0
χ² / ndf 4.884 / 6
Constant 11.78 ± 2.35
Mean −0.1561 ± 0.1396
Sigma 0.9401 ± 0.1481

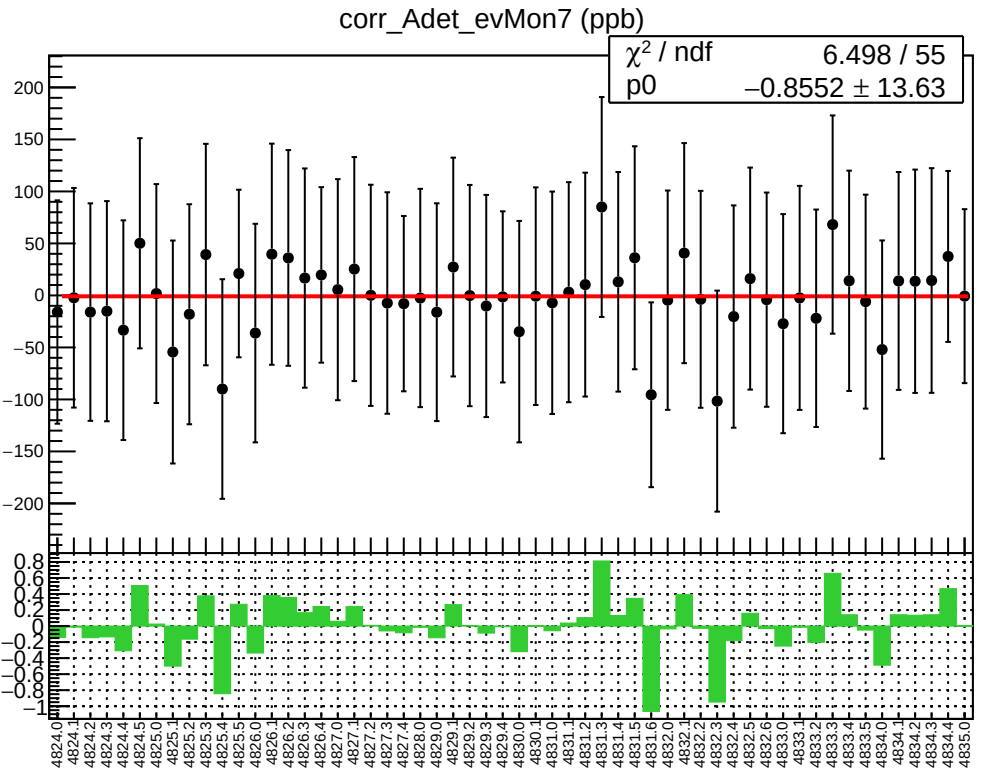

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
44
42
40
38
36
34
32
30
28
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

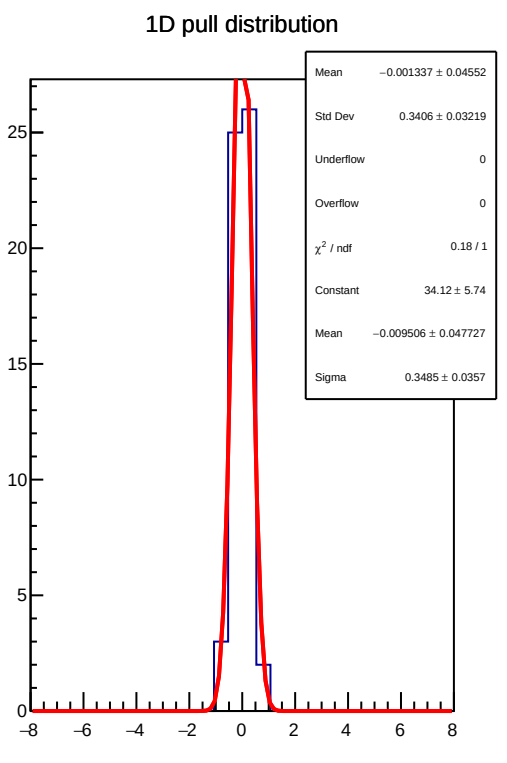

corr_Adet_evMon5 (ppb)
χ² / ndf 81.04 / 55
p0 −20.72 ± 8.857
200
100
0
−100
−200
3
2
1
0
−1
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean 0.01559 ± 0.1607
Std Dev 1.203 ± 0.1137
Underflow 0
Overflow 0
χ² / ndf 11.37 / 8
Constant 7.164 ± 1.452
Mean 0.08324 ± 0.22902
Sigma 1.37 ± 0.23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

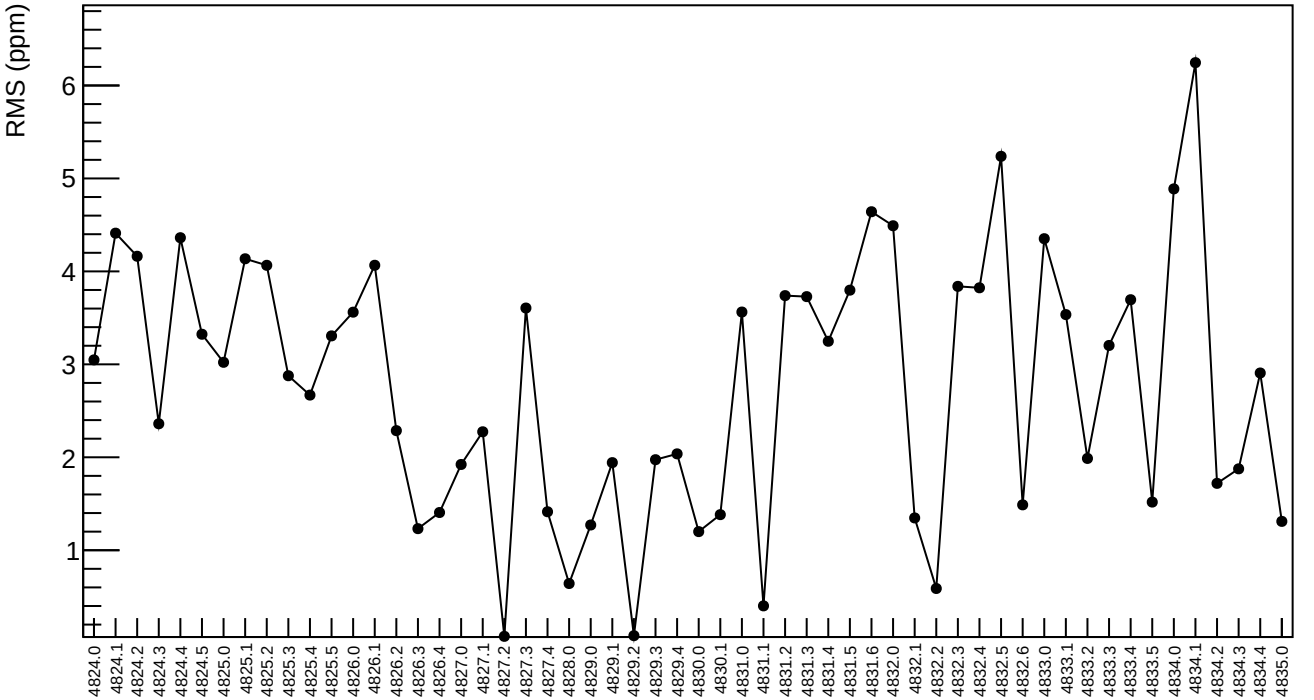

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

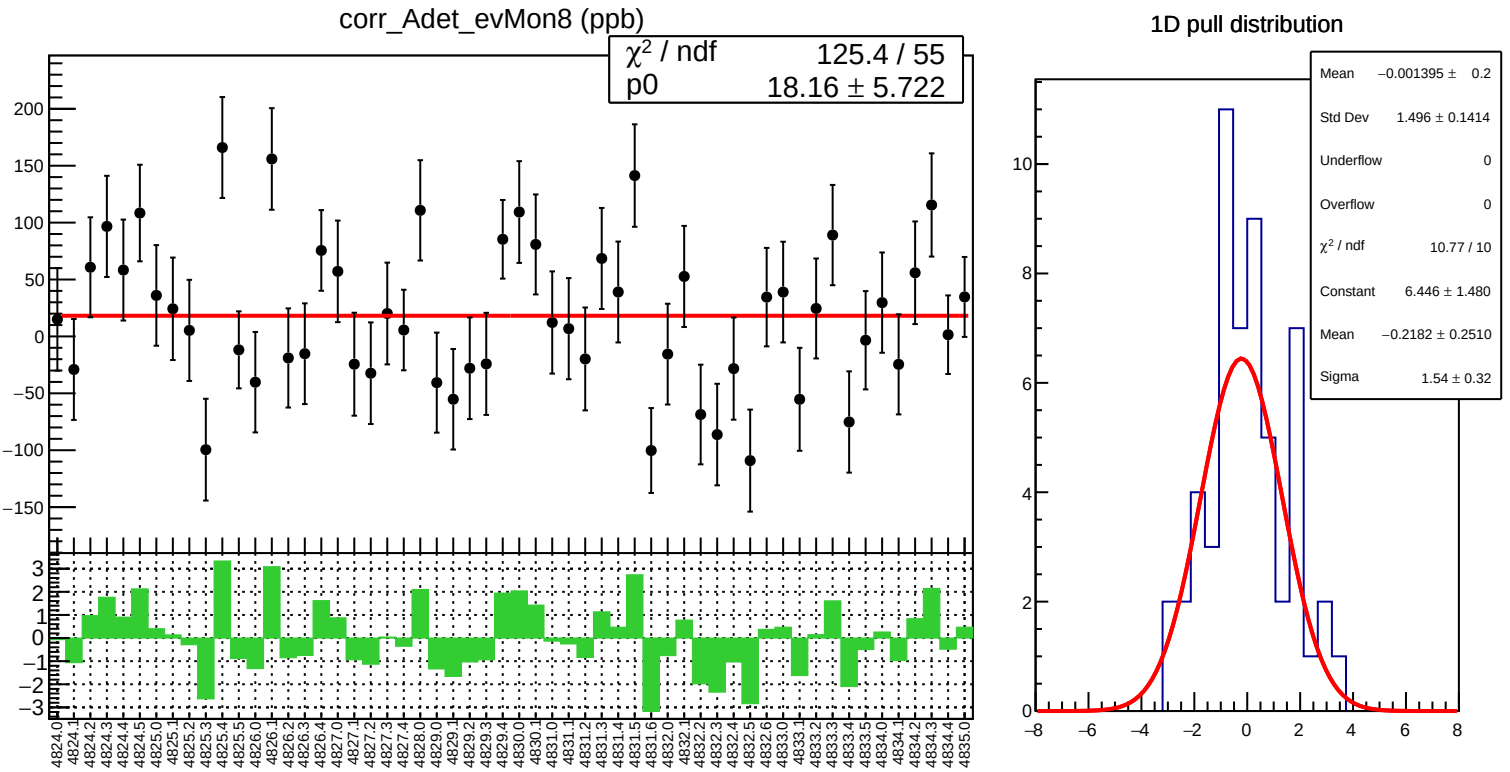

corr_Adet_evMon6 (ppb)
χ² / ndf 109.5 / 55
p0 5.652 ± 12.44
1D pull distribution
Mean 0.01092 ± 0.1869
Std Dev 1.399 ± 0.1322
Underflow 0
Overflow 0
χ² / ndf 8.093 / 10
Constant 6.36 ± 1.19
Mean −0.1124 ± 0.2813
Sigma 1.705 ± 0.261

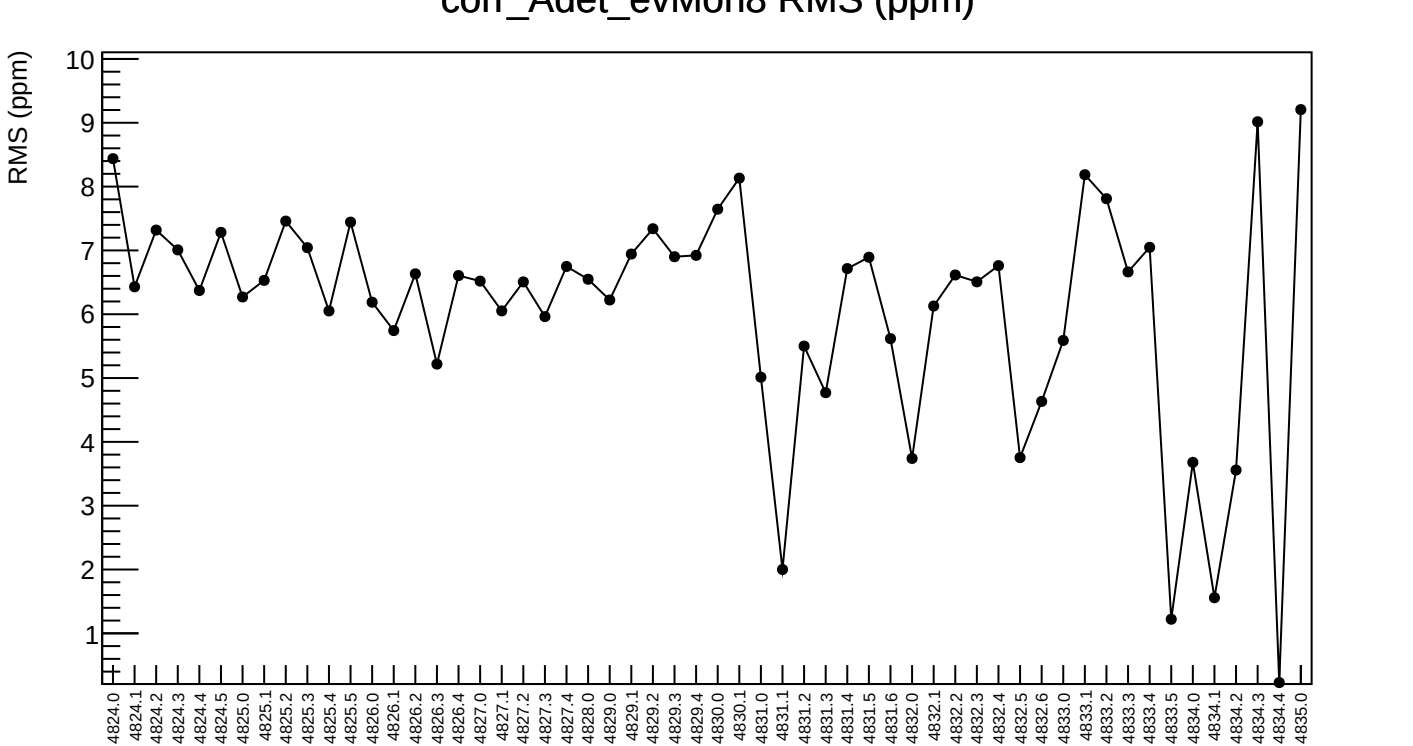

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
10
8
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

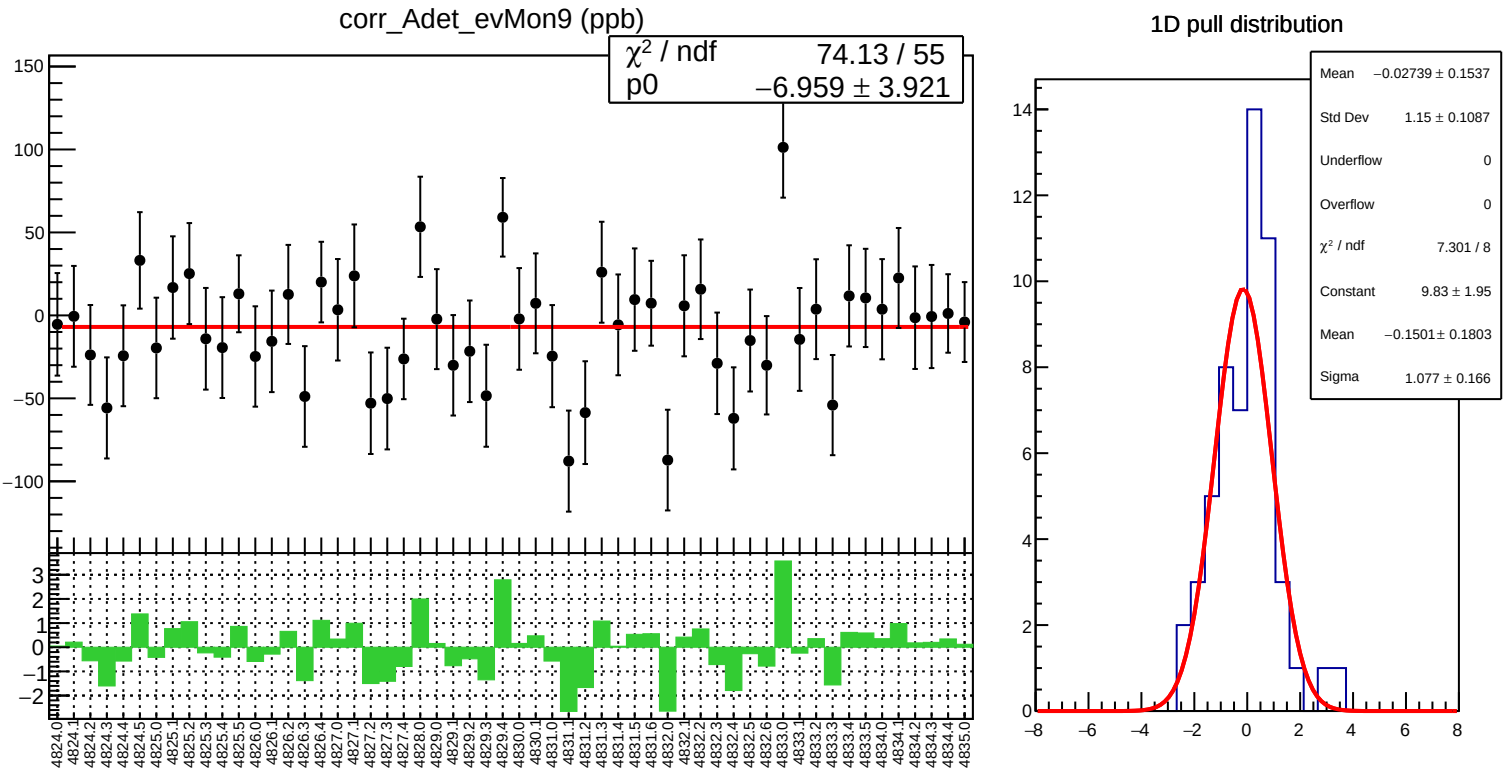

corr_Adet_evMon7 (ppb)
χ² / ndf 6.498 / 55
p0 −0.8552 ± 13.63

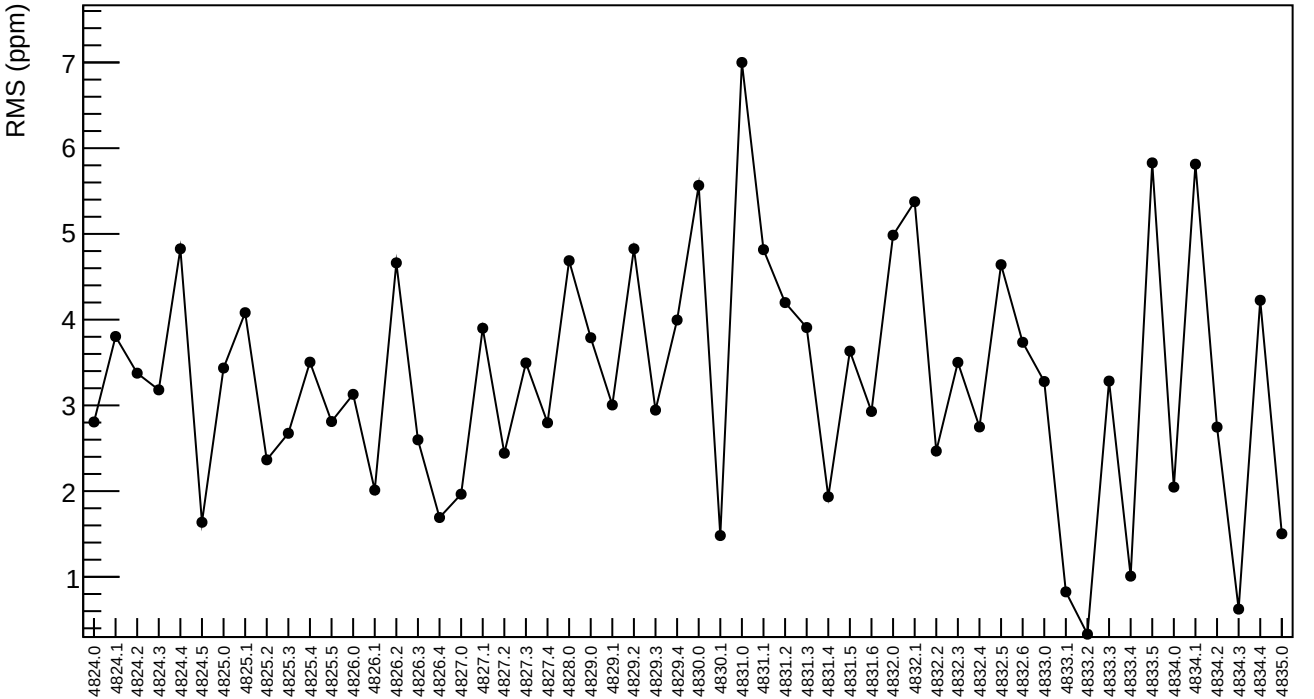

1D pull distribution
Mean −0.001337 ± 0.04552
Std Dev 0.3406 ± 0.03219
Underflow 0
Overflow 0
χ² / ndf 0.18 / 1
Constant 34.12 ± 5.74
Mean −0.009506 ± 0.047727
Sigma 0.3485 ± 0.0357

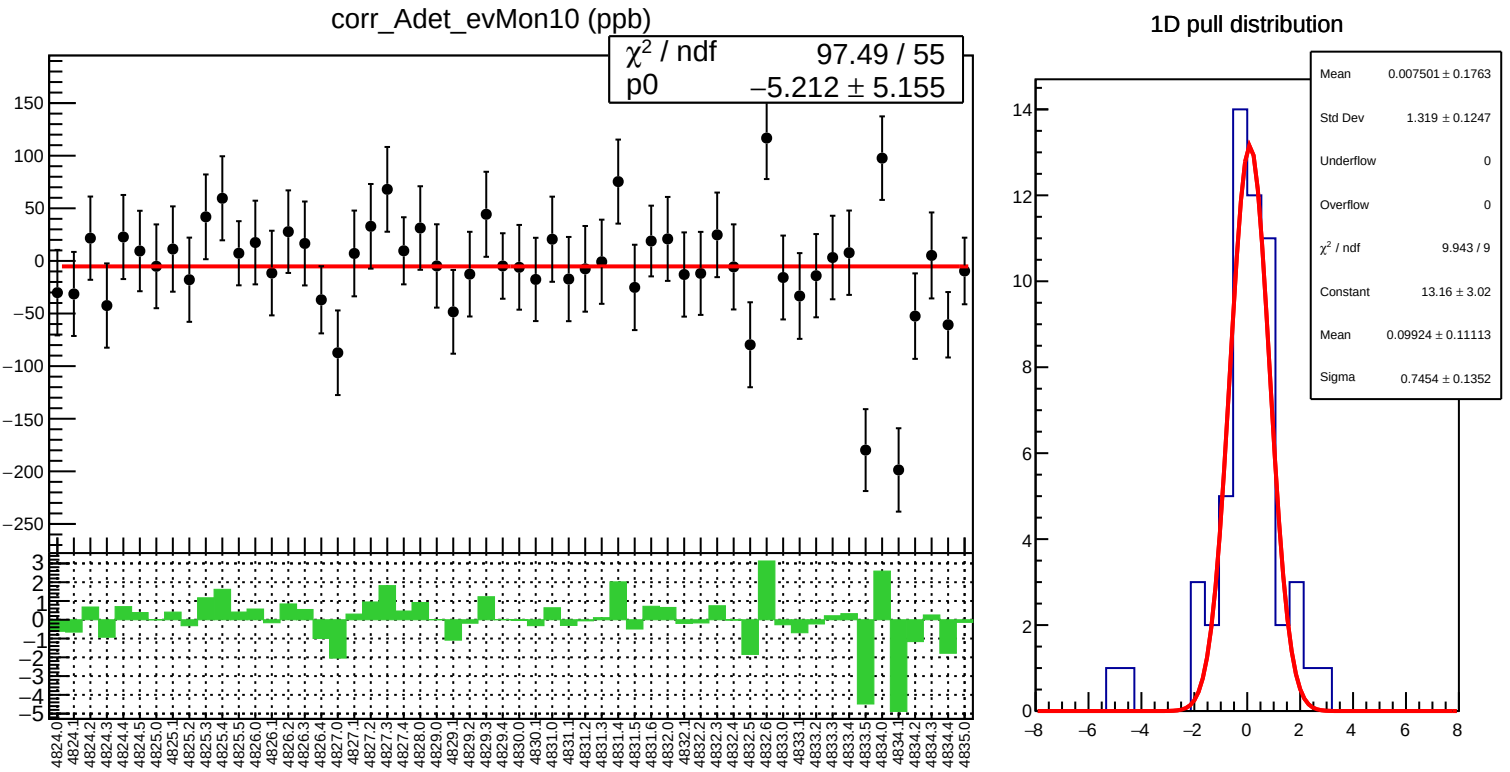

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

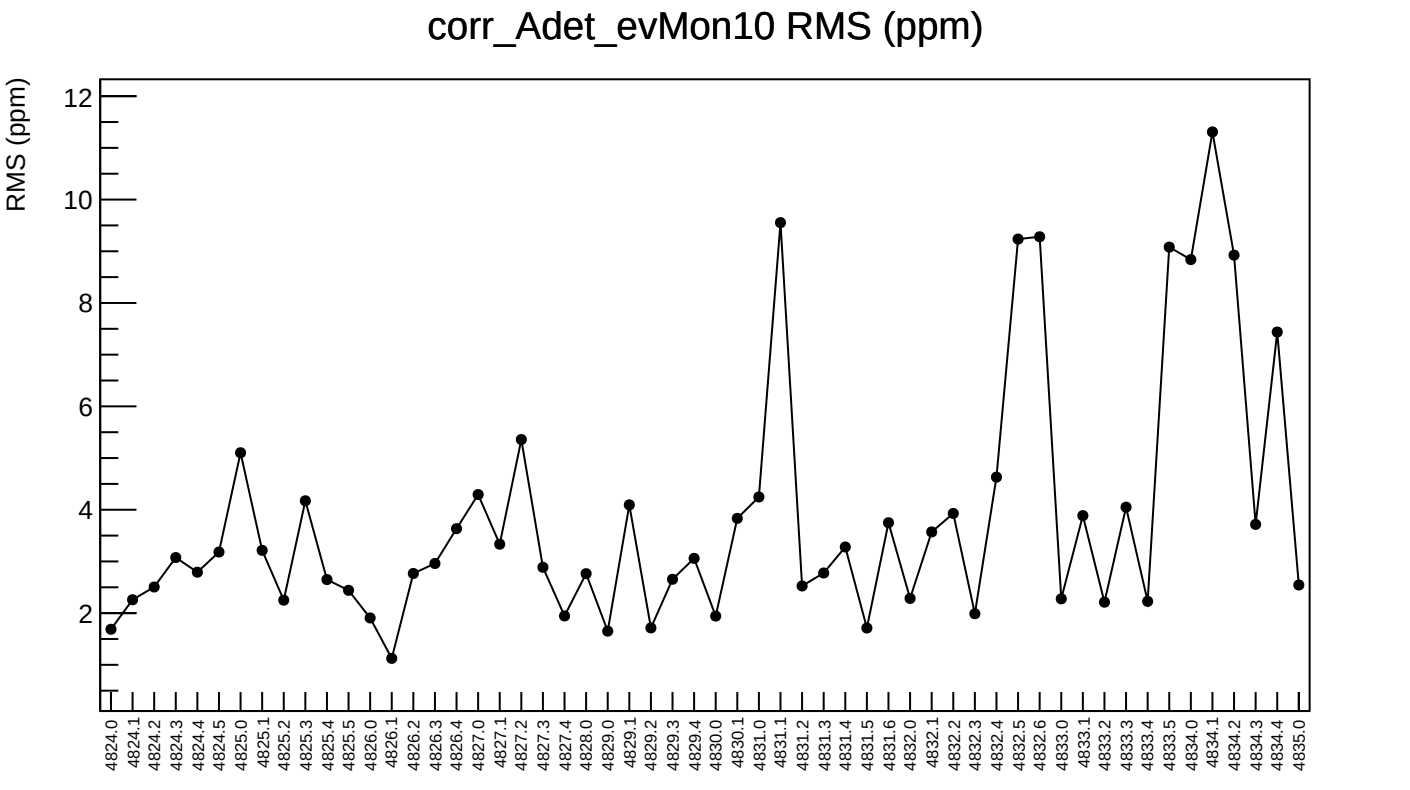

corr_Adet_evMon8 (ppb)
χ² / ndf 125.4 / 55
p0 18.16 ± 5.722
1D pull distribution
Mean −0.001395 ± 0.2
Std Dev 1.496 ± 0.1414
Underflow 0
Overflow 0
χ² / ndf 10.77 / 10
Constant 6.446 ± 1.480
Mean −0.2182 ± 0.2510
Sigma 1.54 ± 0.32

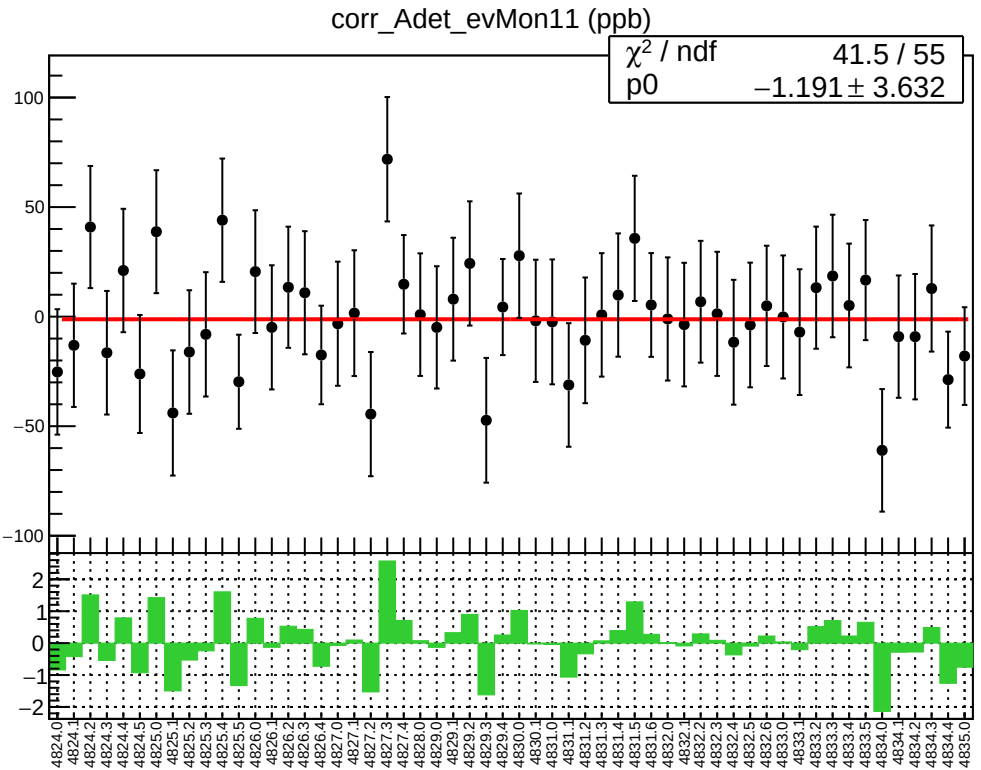

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
2
1
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

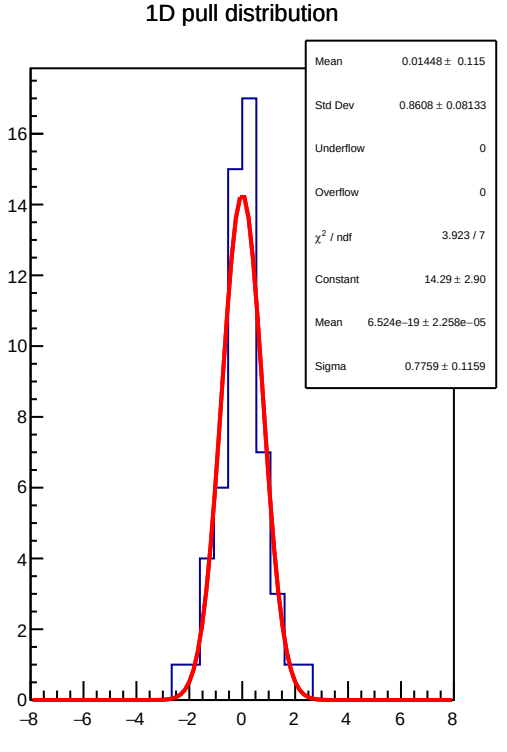

corr_Adet_evMon9 (ppb)
χ² / ndf 74.13 / 55
p0 −6.959 ± 3.921
1D pull distribution
Mean −0.02739 ± 0.1537
Std Dev 1.15 ± 0.1087
Underflow 0
Overflow 0
χ² / ndf 7.301 / 8
Constant 9.83 ± 1.95
Mean −0.1501 ± 0.1803
Sigma 1.077 ± 0.166

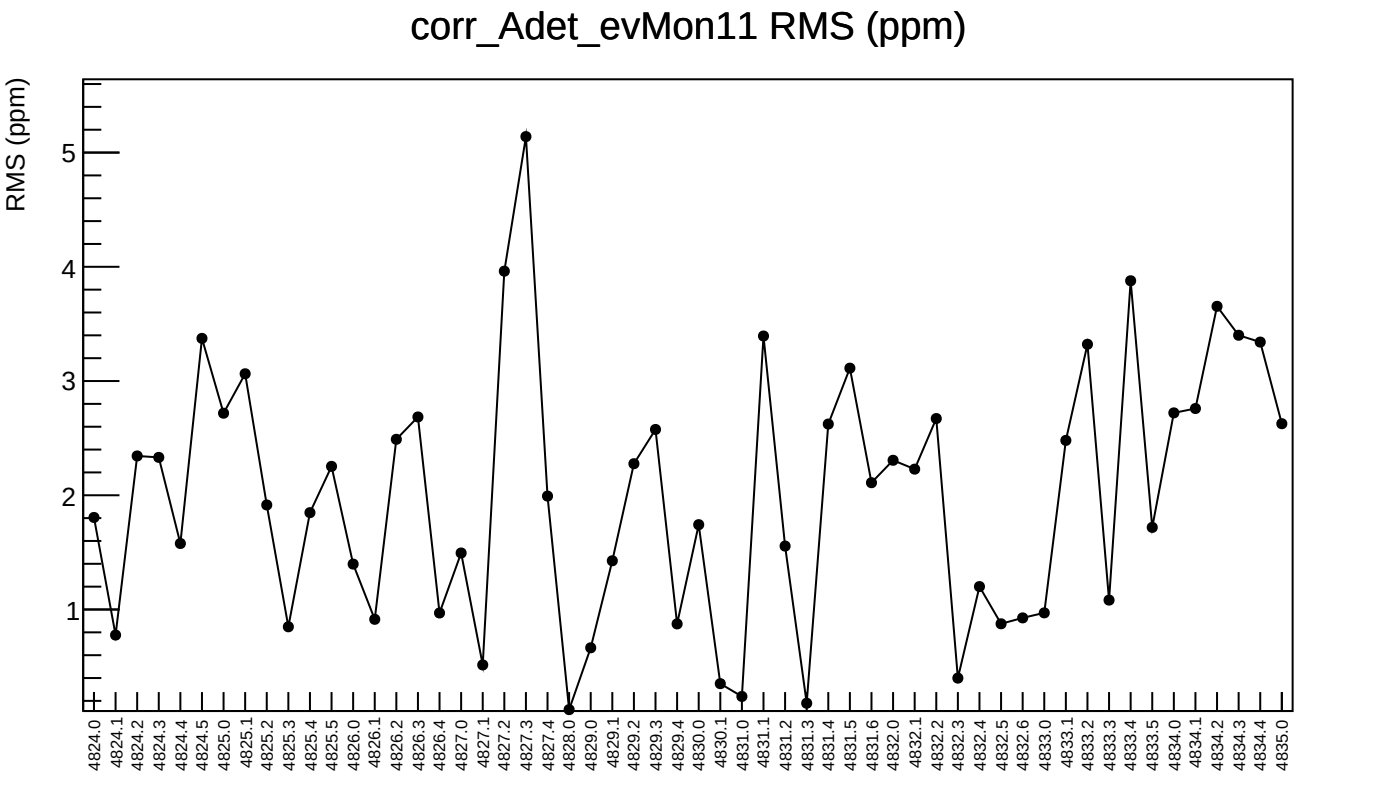

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

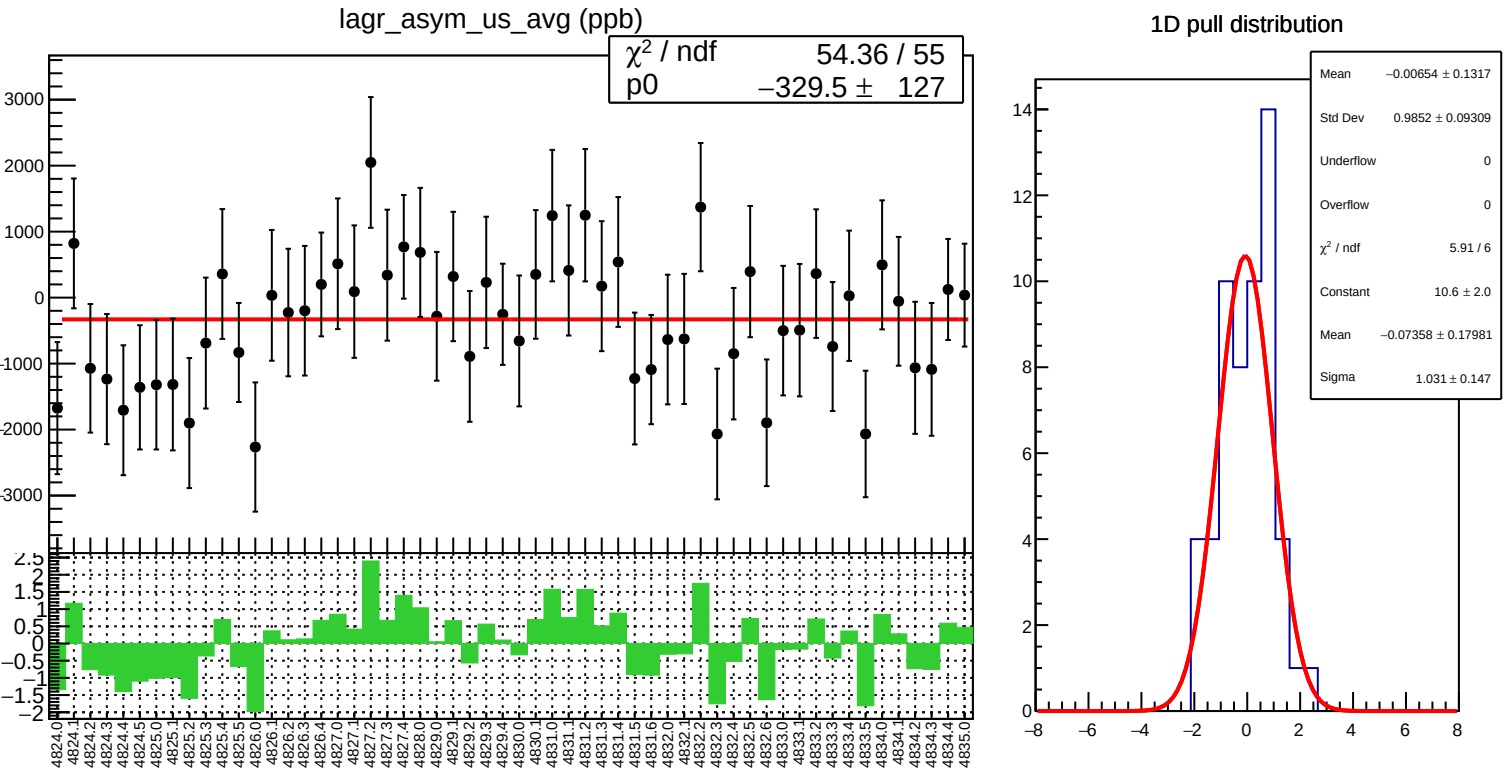

corr_Adet_evMon10 (ppb)
χ² / ndf 97.49 / 55
p0 −5.212 ± 5.155
1D pull distribution
Mean 0.007501 ± 0.1763
Std Dev 1.319 ± 0.1247
Underflow 0
Overflow 0
χ² / ndf 9.943 / 9
Constant 13.16 ± 3.02
Mean 0.09924 ± 0.11113
Sigma 0.7454 ± 0.1352

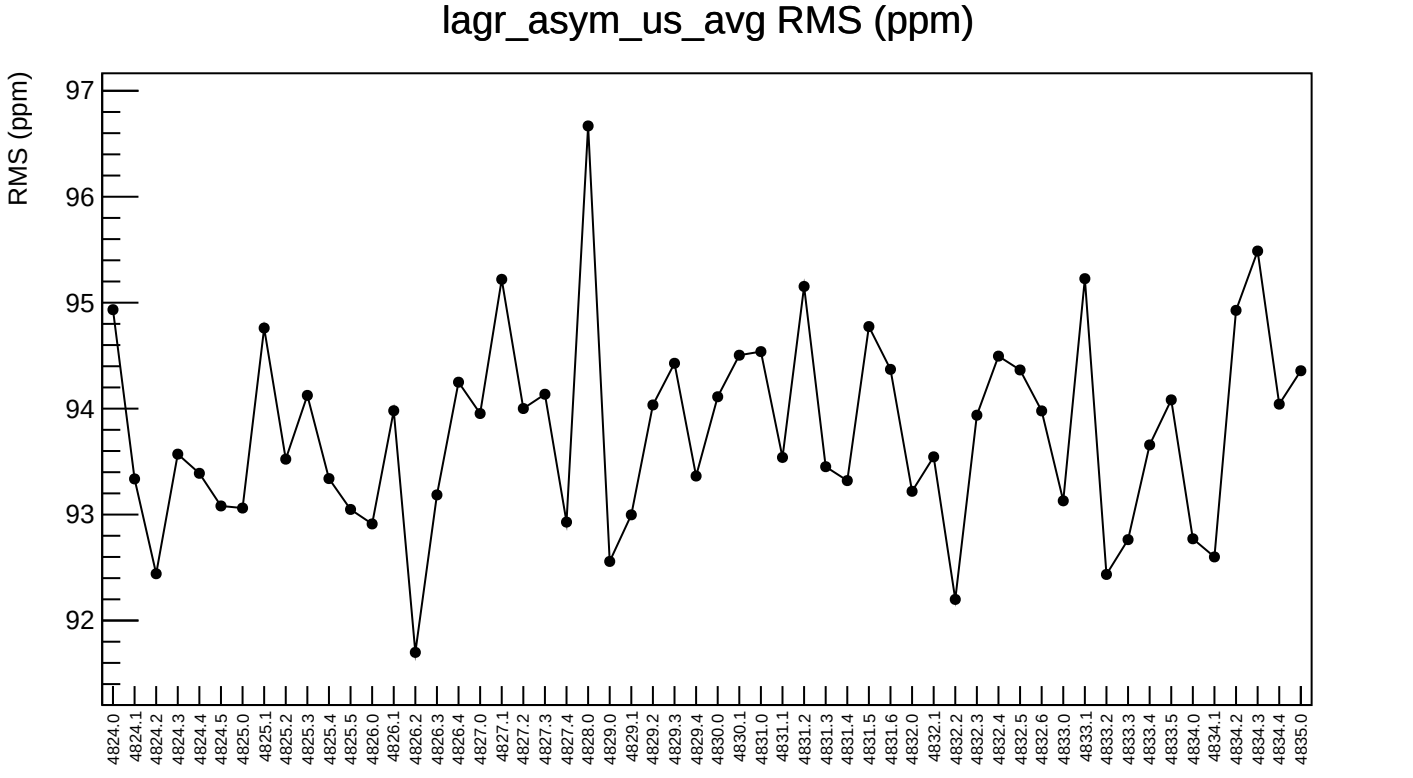

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
12
10
8
6
4
2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

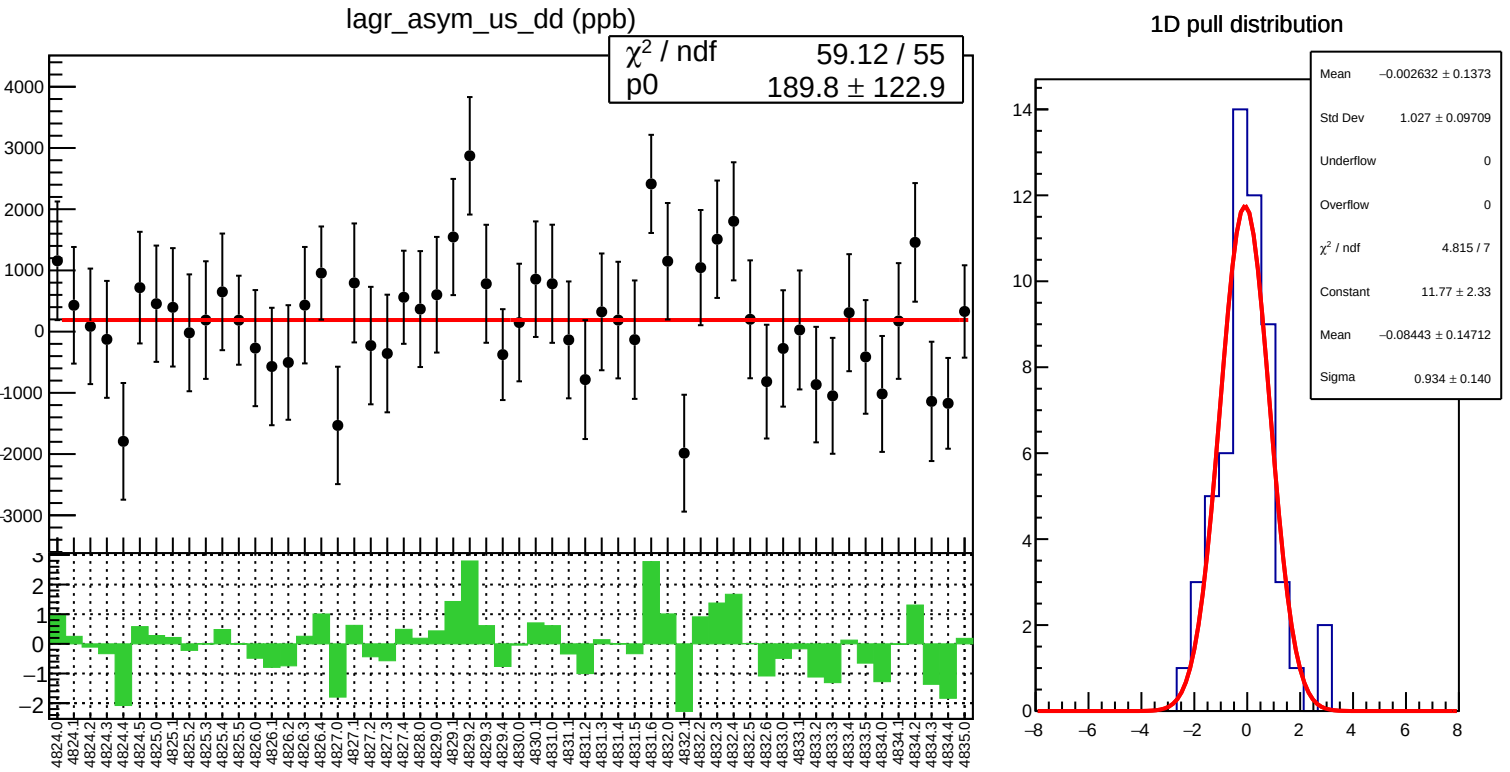

corr_Adet_evMon11 (ppb)
χ² / ndf 41.5 / 55
p0 −1.191 ± 3.632
100
50
0
−50
−100
2
1
0
−1
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

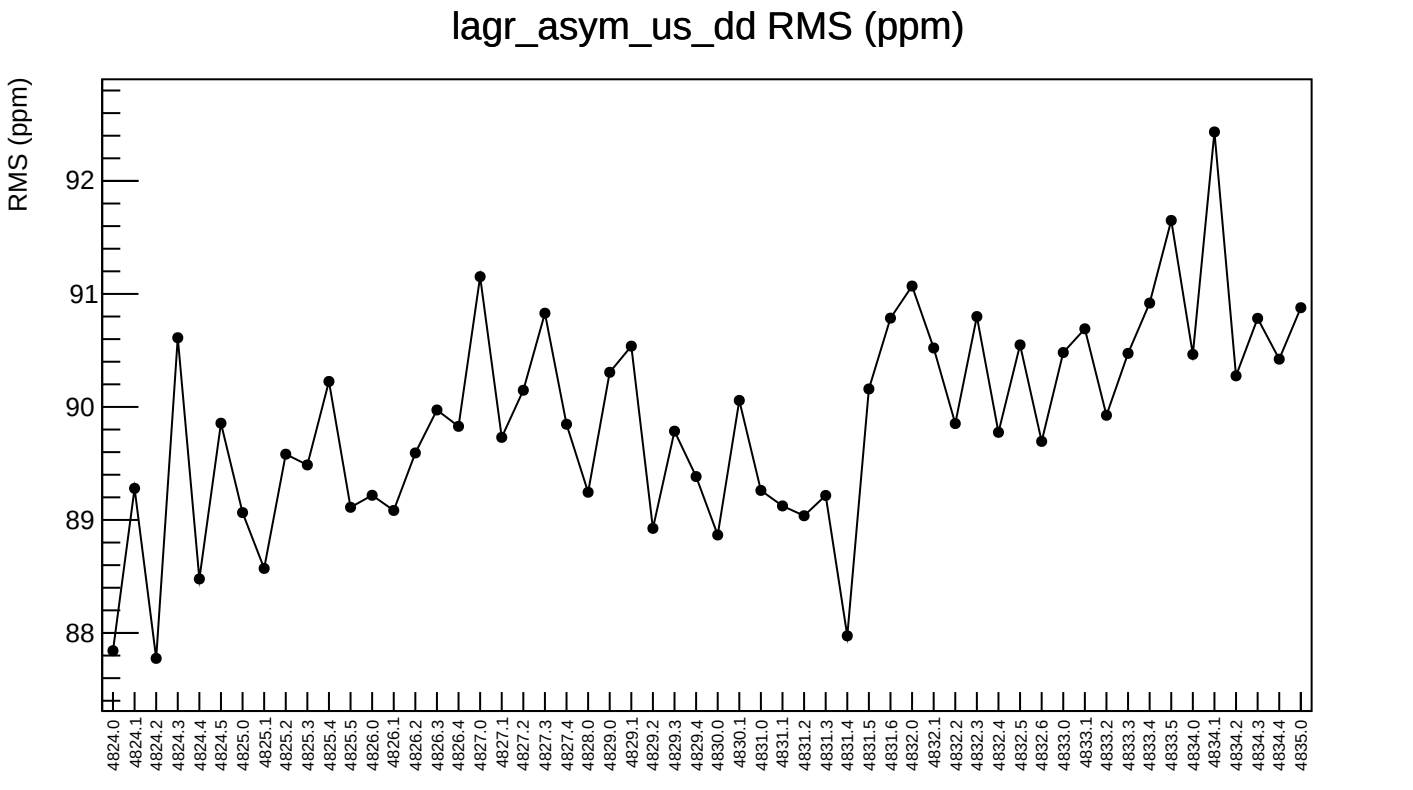

1D pull distribution
Mean 0.01448 ± 0.115
Std Dev 0.8608 ± 0.08133
Underflow 0
Overflow 0
χ² / ndf 3.923 / 7
Constant 14.29 ± 2.90
Mean 6.524e−19 ± 2.258e−05
Sigma 0.7759 ± 0.1159
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

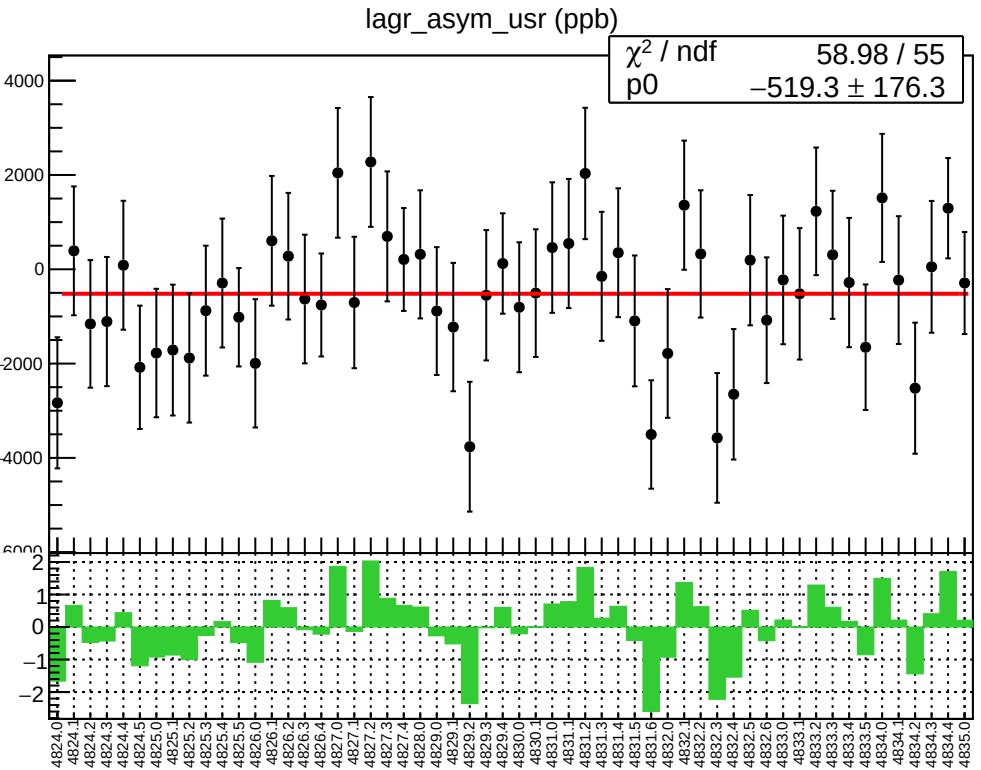

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

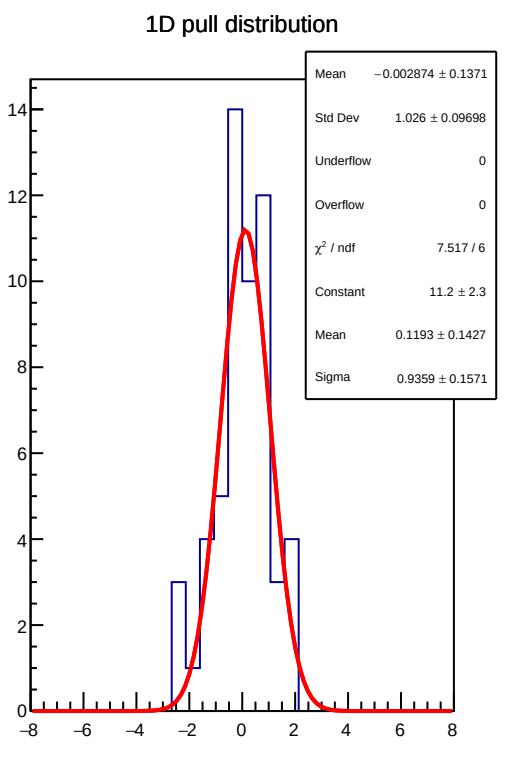

lagr_asym_us_avg (ppb)
χ² / ndf 54.36 / 55
p0 −329.5 ± 127
3000
2000
1000
0
-1000
-2000
-3000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean −0.00654 ± 0.1317
Std Dev 0.9852 ± 0.09309
Underflow 0
Overflow 0
χ² / ndf 5.91 / 6
Constant 10.6 ± 2.0
Mean −0.07358 ± 0.17981
Sigma 1.031 ± 0.147
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

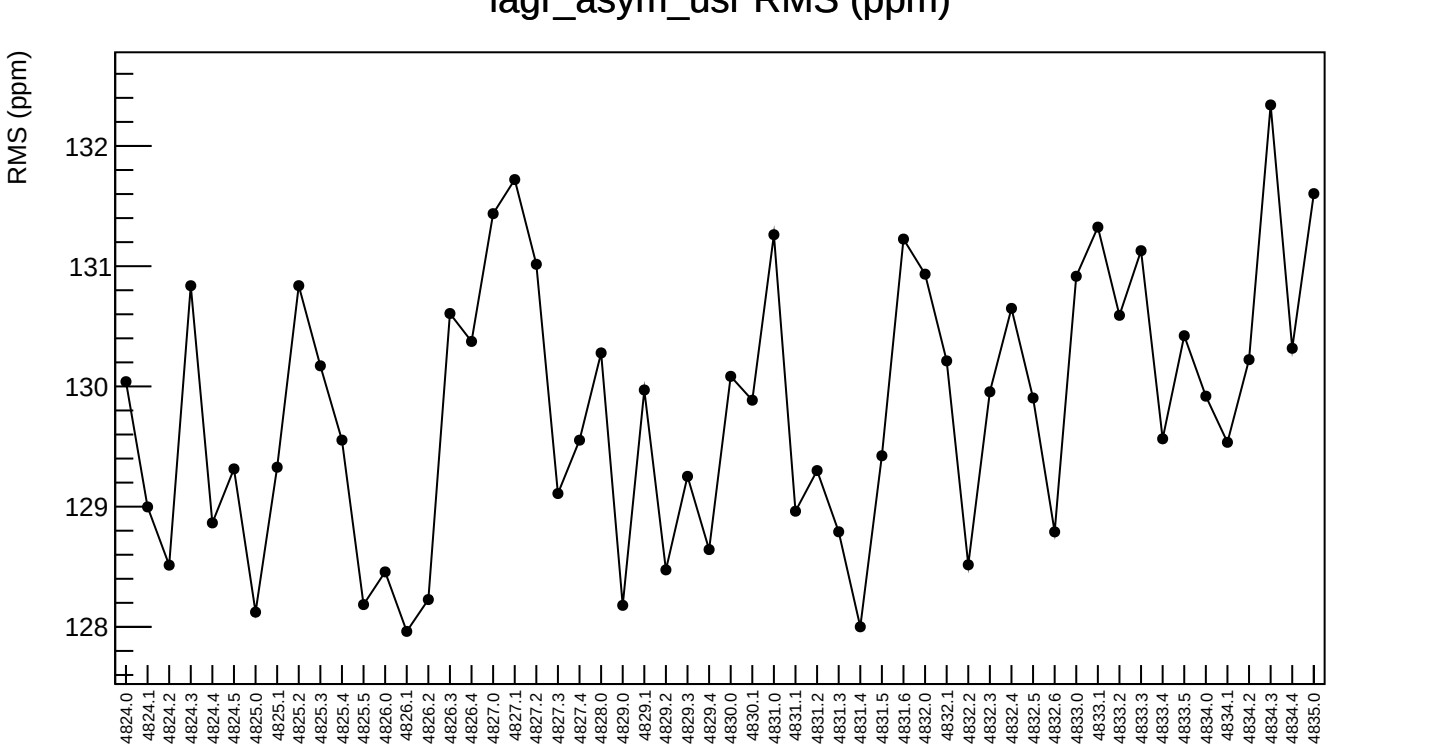

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
97
96
95
94
93
92
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

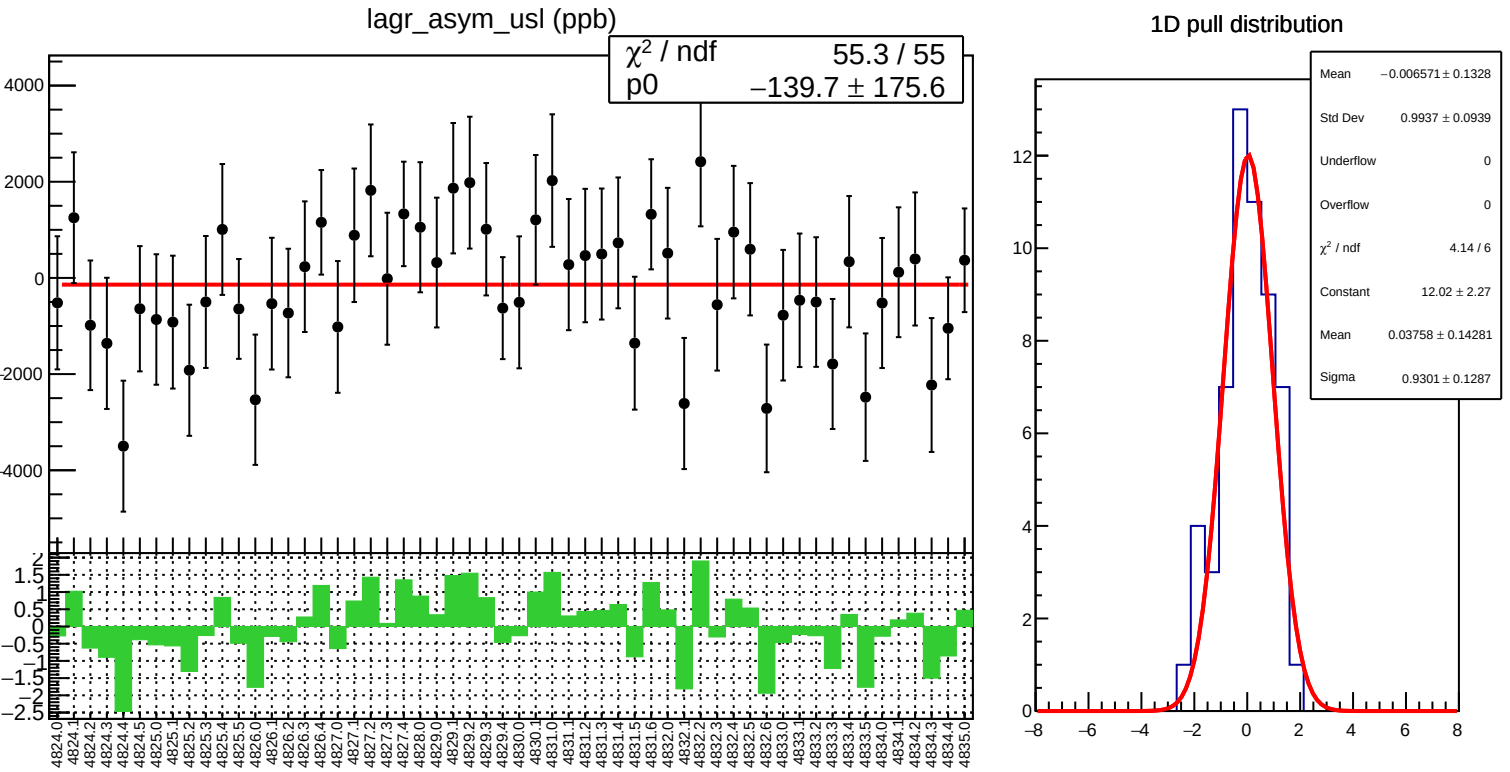

lagr_asym_us_dd (ppb)
χ² / ndf 59.12 / 55
p0 189.8 ± 122.9
1D pull distribution
Mean −0.002632 ± 0.1373
Std Dev 1.027 ± 0.09709
Underflow 0
Overflow 0
χ² / ndf 4.815 / 7
Constant 11.77 ± 2.33
Mean −0.08443 ± 0.14712
Sigma 0.934 ± 0.140

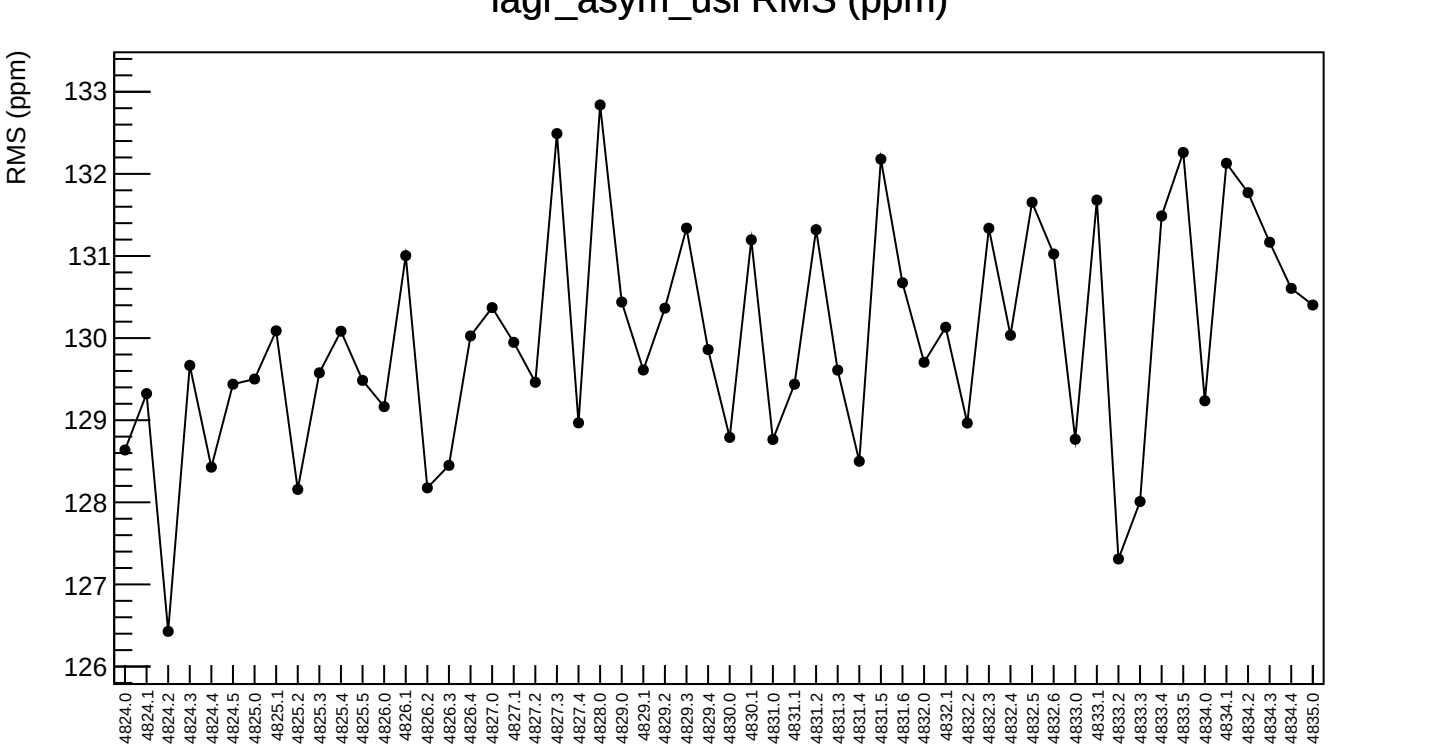

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
92
91
90
89
88
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

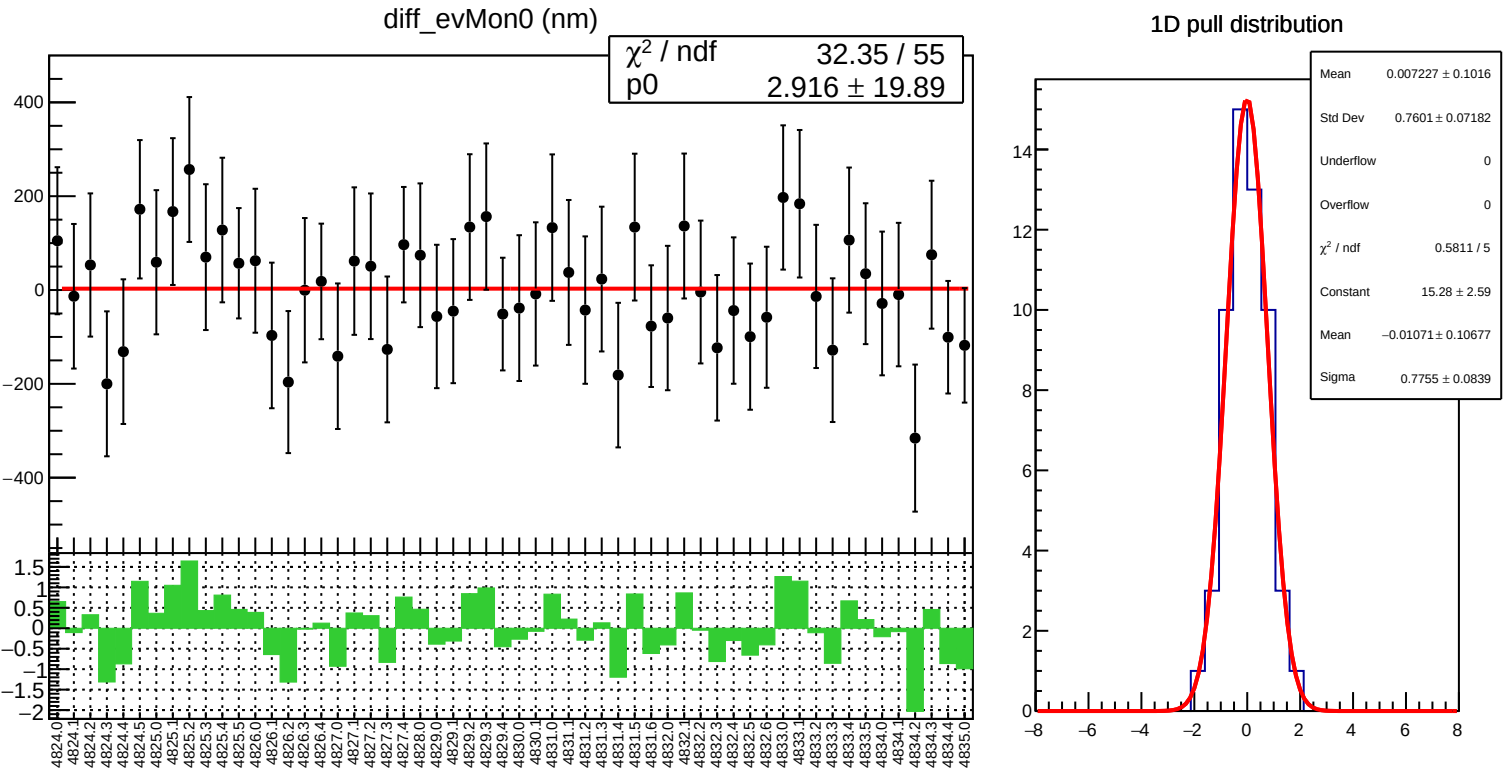

lagr_asym_usr (ppb)
χ² / ndf 58.98 / 55
p0 −519.3 ± 176.3
4000
2000
0
-2000
-4000
2
1
0
−1
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

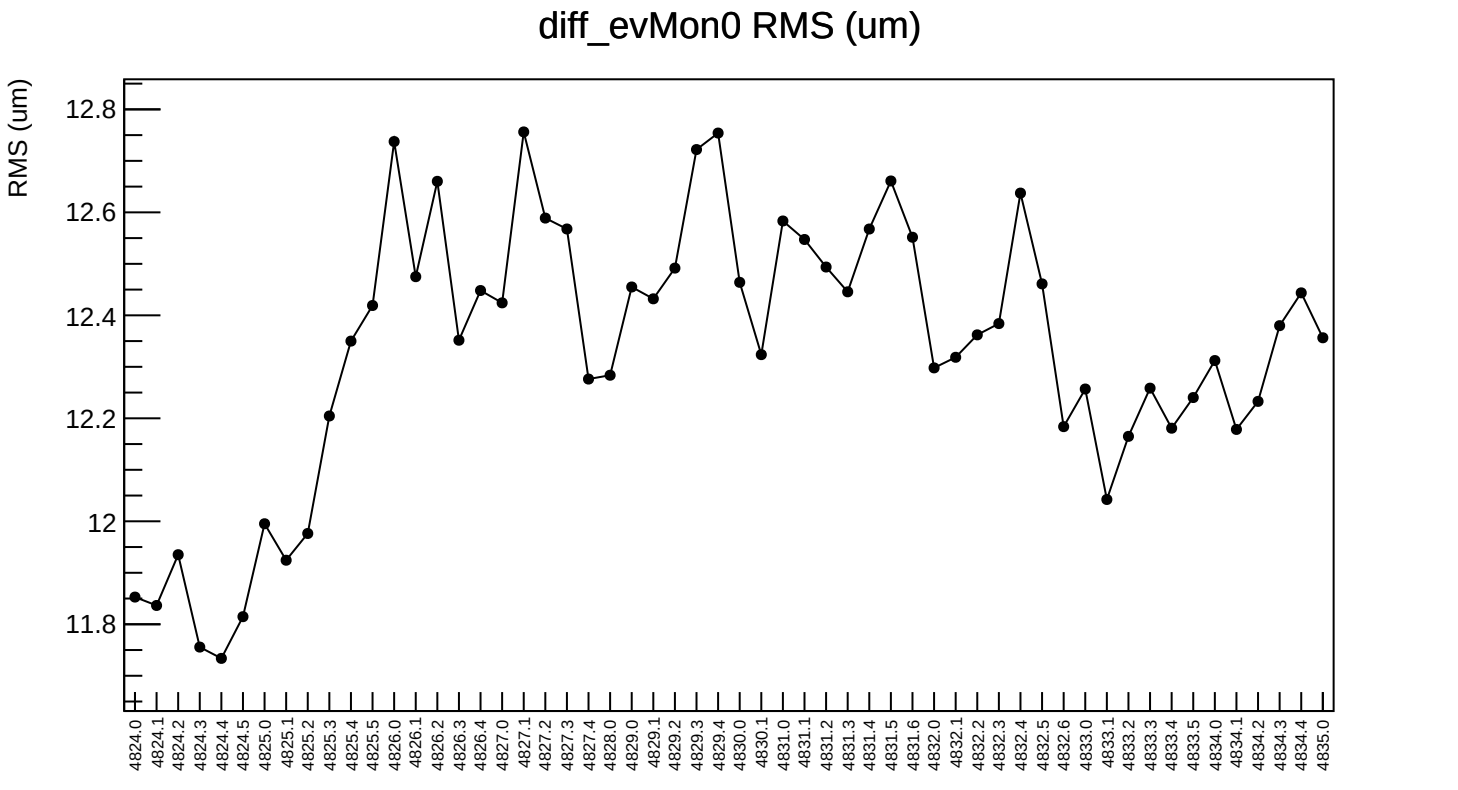

1D pull distribution
Mean −0.002874 ± 0.1371
Std Dev 1.026 ± 0.09698
Underflow 0
Overflow 0
χ² / ndf 7.517 / 6
Constant 11.2 ± 2.3
Mean 0.1193 ± 0.1427
Sigma 0.9359 ± 0.1571
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

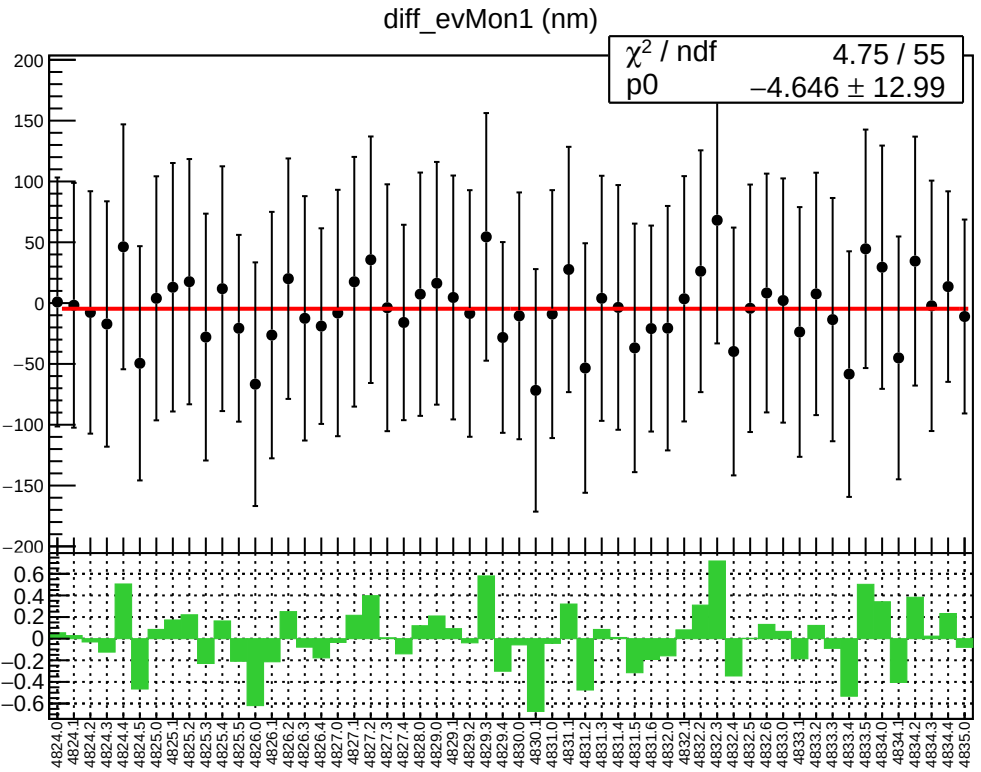

lagr_asym_usr RMS (ppm)
RMS (ppm)
132
131
130
129
128
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

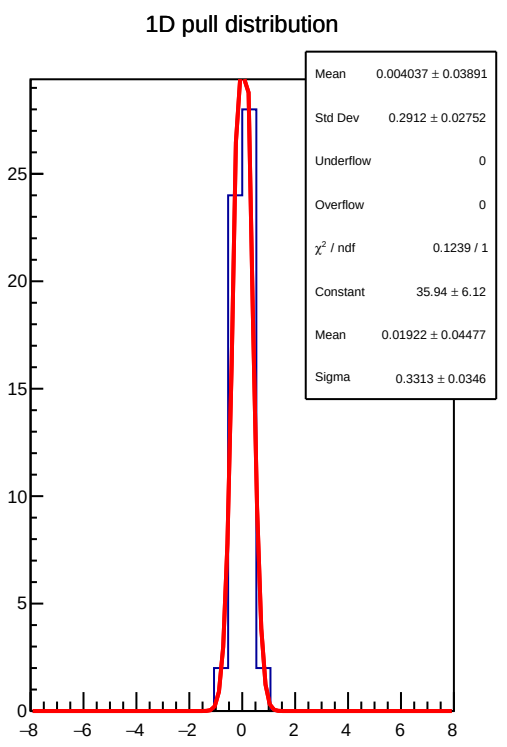

lagr_asym_usl (ppb)
χ² / ndf 55.3 / 55
p0 −139.7 ± 175.6
4000
2000
0
-2000
-4000
1.5
0.5
−0.5
−1.5
−2
−2.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean −0.006571 ± 0.1328
Std Dev 0.9937 ± 0.0939
Underflow 0
Overflow 0
χ² / ndf 4.14 / 6
Constant 12.02 ± 2.27
Mean 0.03758 ± 0.14281
Sigma 0.9301 ± 0.1287
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

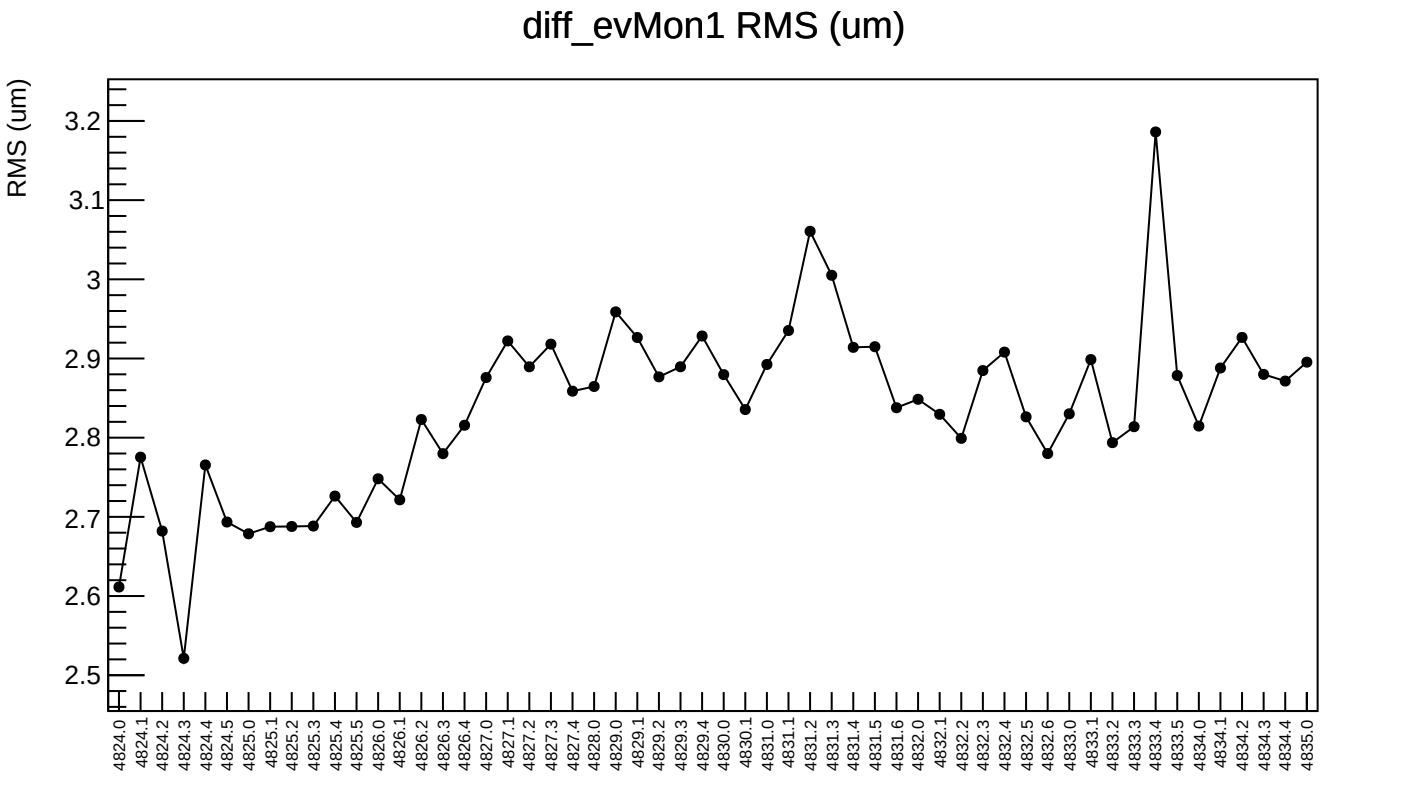

lagr_asym_usl RMS (ppm)
RMS (ppm)
133
132
131
130
129
128
127
126
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

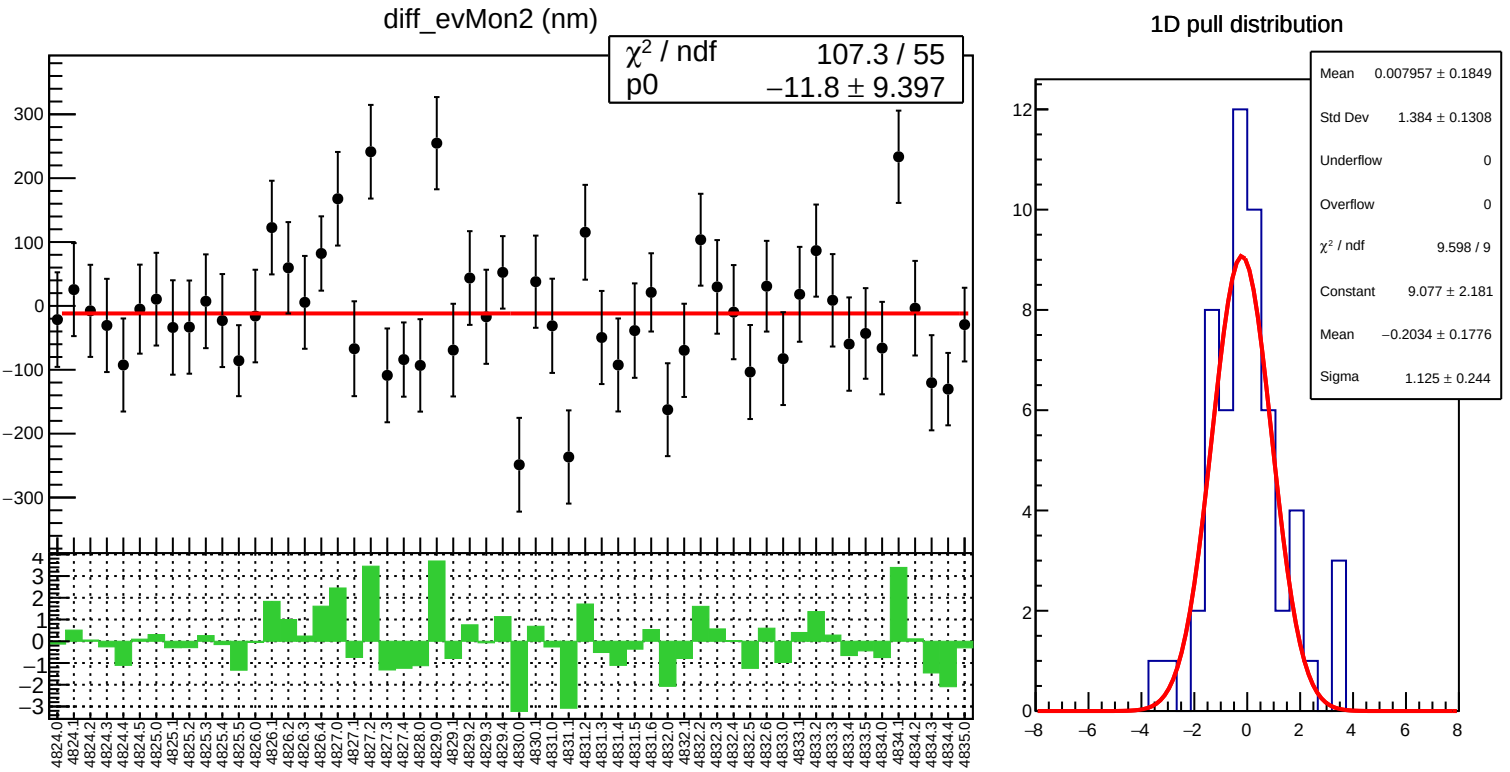

diff_evMon0 (nm)
χ² / ndf 32.35 / 55
p0 2.916 ± 19.89
1D pull distribution
Mean 0.007227 ± 0.1016
Std Dev 0.7601 ± 0.07182
Underflow 0
Overflow 0
χ² / ndf 0.5811 / 5
Constant 15.28 ± 2.59
Mean −0.01071 ± 0.10677
Sigma 0.7755 ± 0.0839

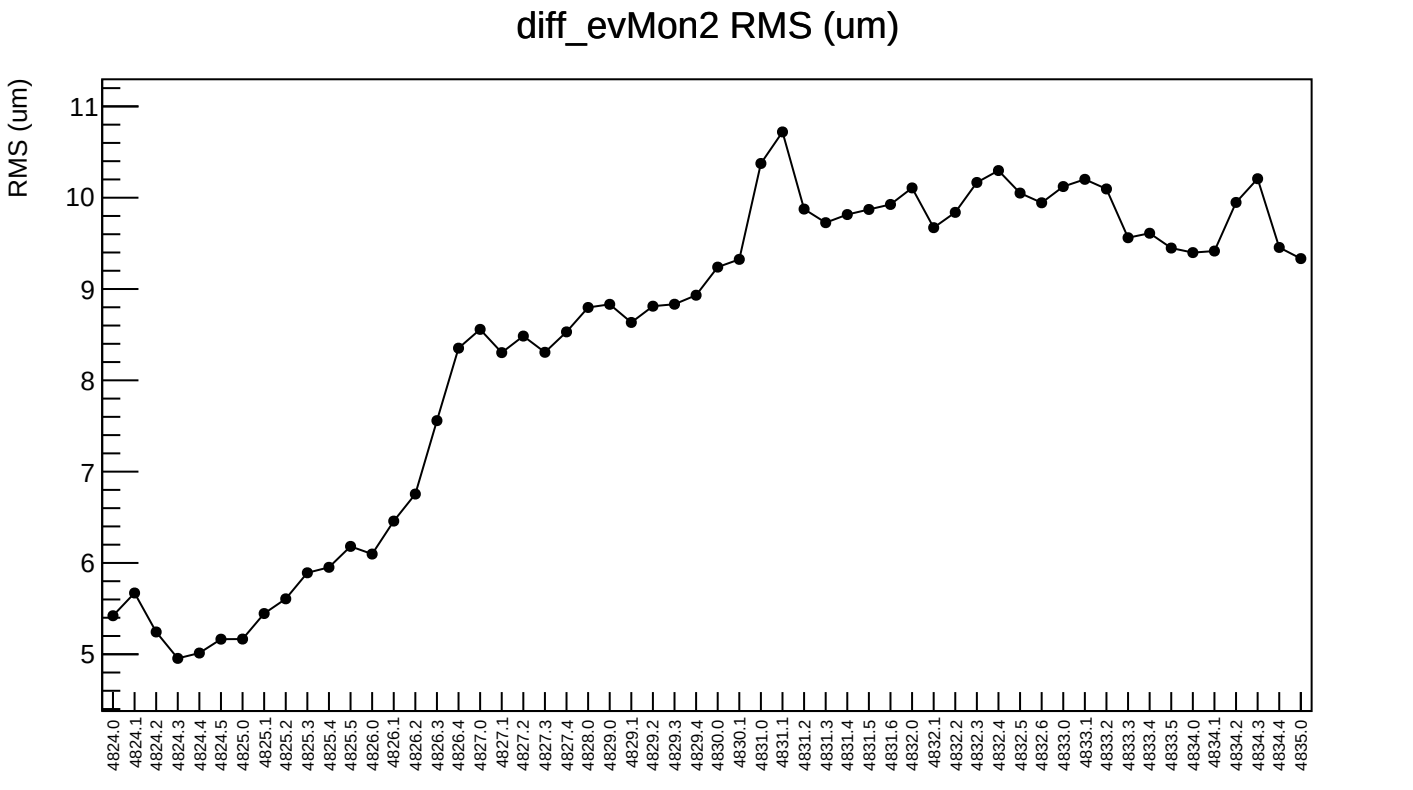

diff_evMon0 RMS (um)
RMS (um)
12.8
12.6
12.4
12.2
12
11.8
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

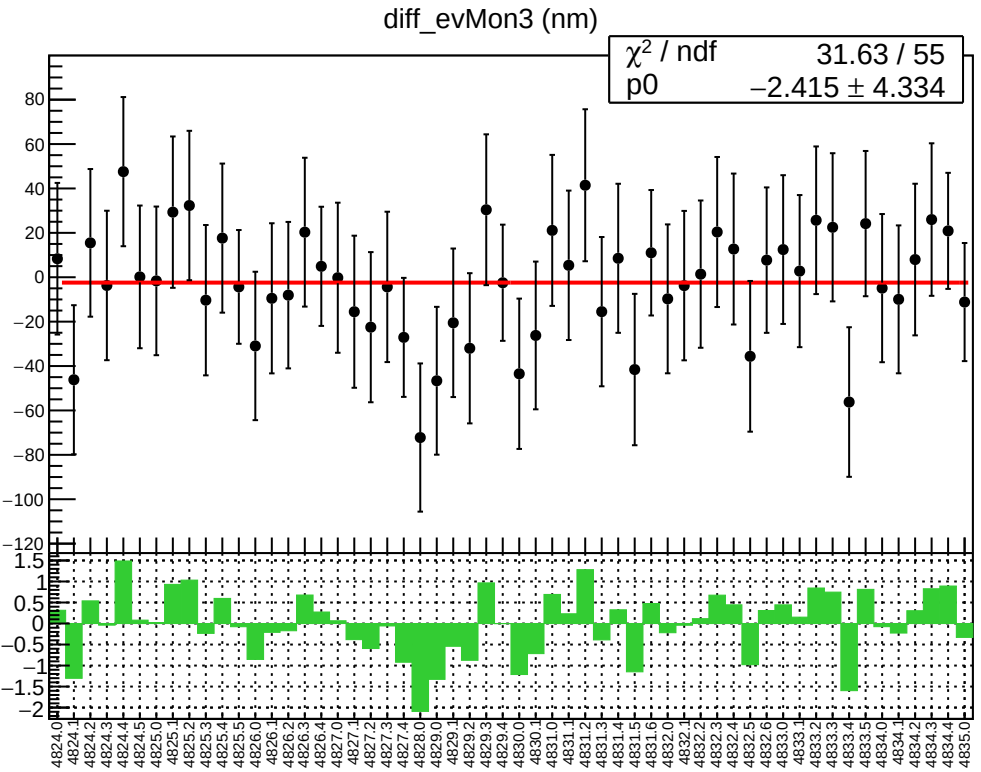

diff_evMon1 (nm)
χ² / ndf 4.75 / 55
p0 −4.646 ± 12.99

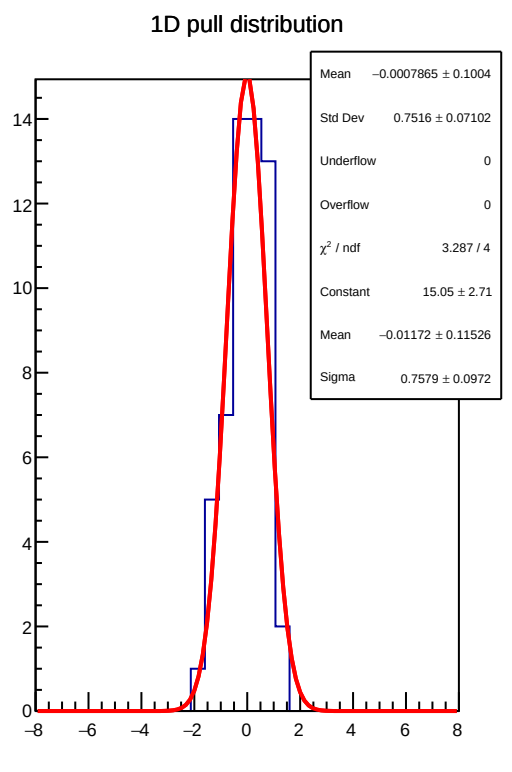

1D pull distribution
Mean 0.004037 ± 0.03891
Std Dev 0.2912 ± 0.02752
Underflow 0
Overflow 0
χ² / ndf 0.1239 / 1
Constant 35.94 ± 6.12
Mean 0.01922 ± 0.04477
Sigma 0.3313 ± 0.0346

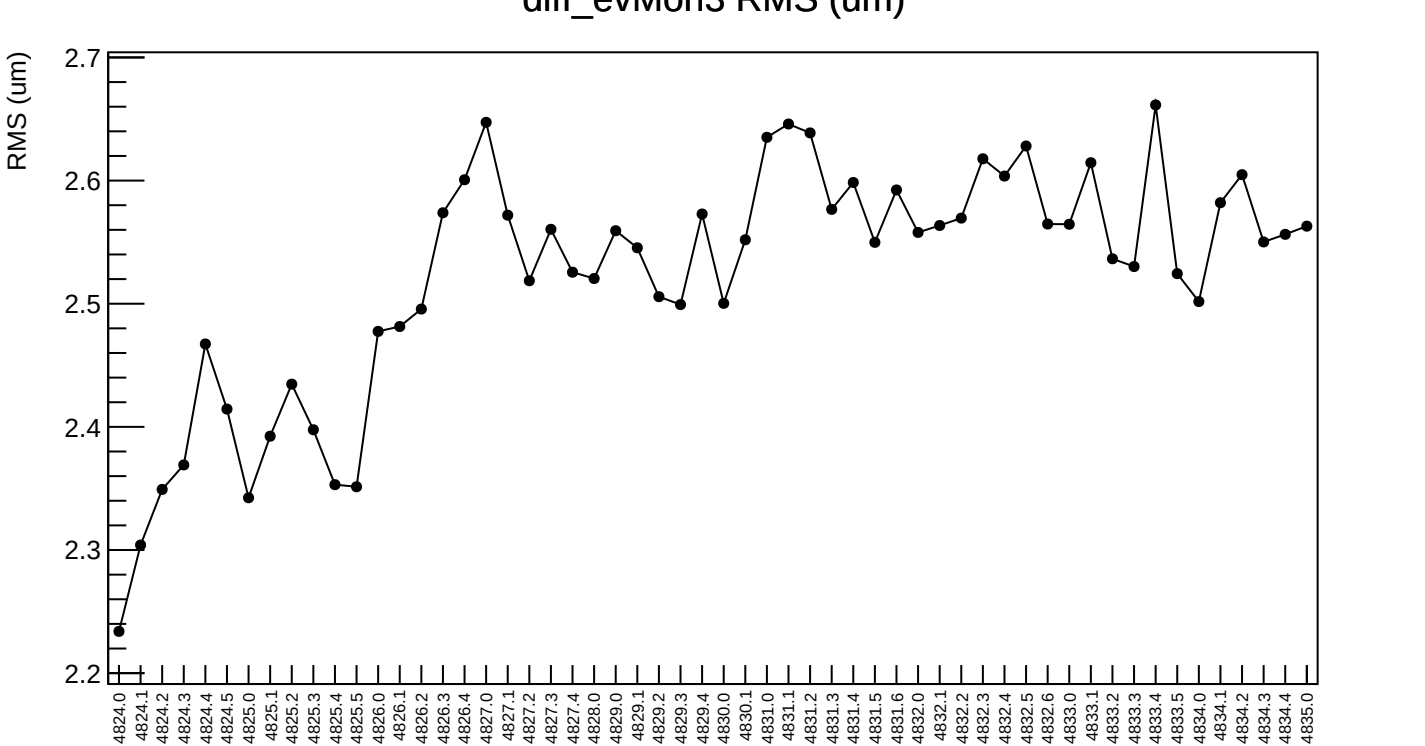

diff_evMon1 RMS (um)
RMS (um)
3.2
3.1
3
2.9
2.8
2.7
2.6
2.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

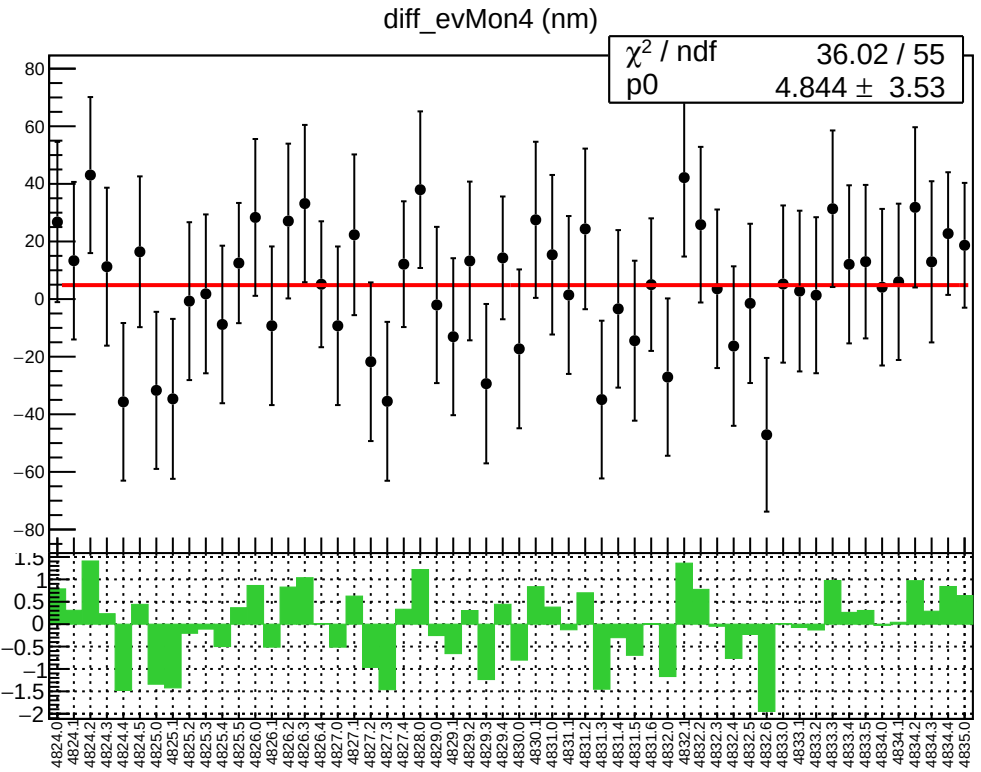

diff_evMon2 (nm)
χ² / ndf 107.3 / 55
p0 −11.8 ± 9.397
1D pull distribution
Mean 0.007957 ± 0.1849
Std Dev 1.384 ± 0.1308
Underflow 0
Overflow 0
χ² / ndf 9.598 / 9
Constant 9.077 ± 2.181
Mean −0.2034 ± 0.1776
Sigma 1.125 ± 0.244

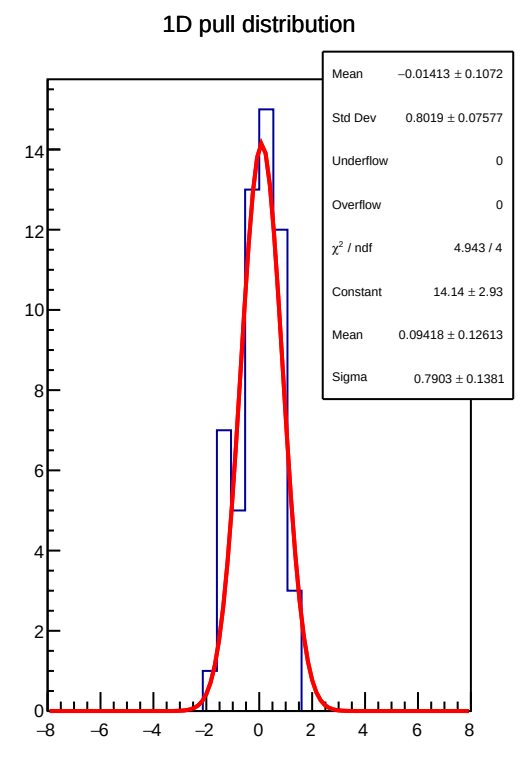

diff_evMon2 RMS (um)
RMS (um)
11
10
9
8
7
6
5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

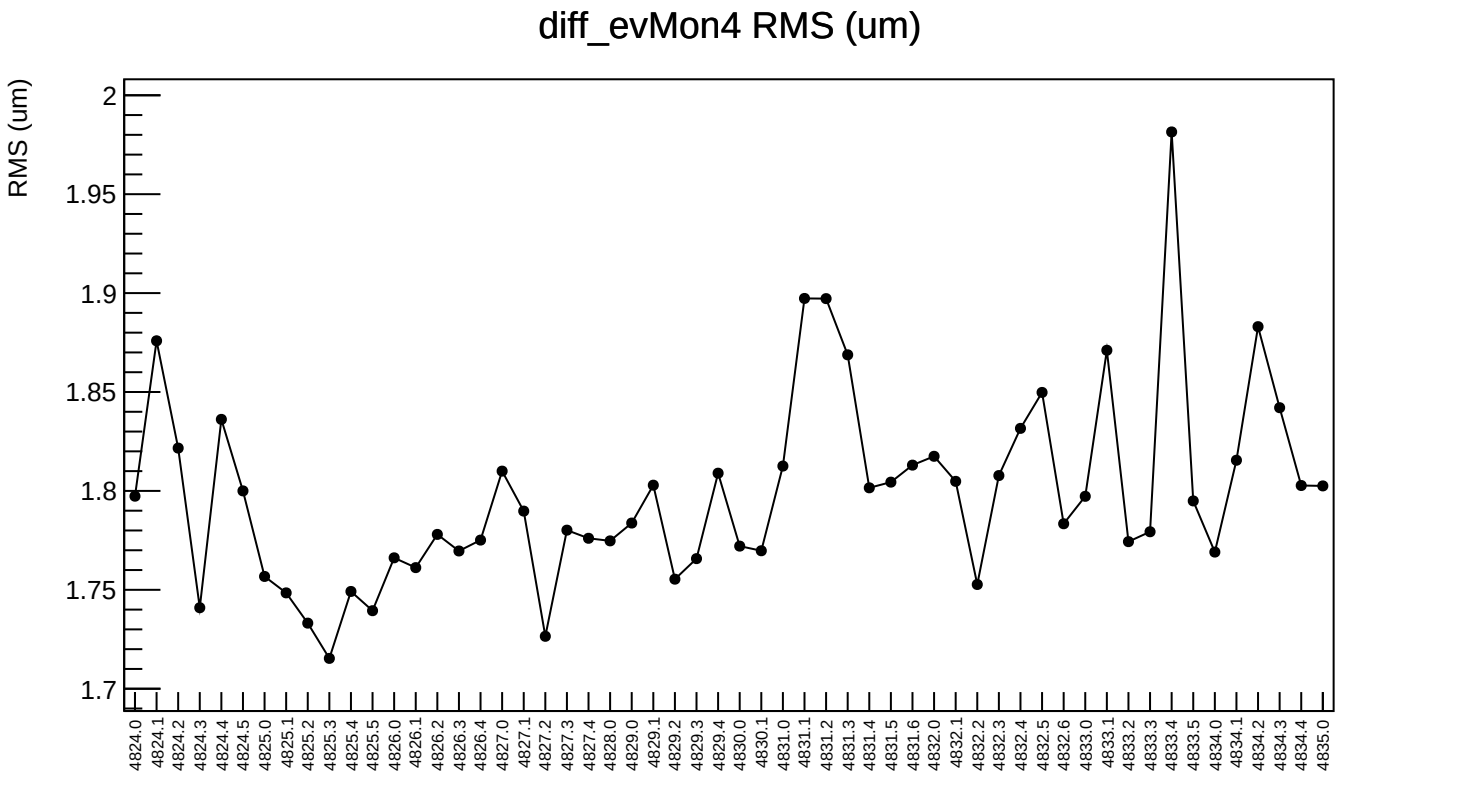

diff_evMon3 (nm)
χ² / ndf 31.63 / 55
p0 −2.415 ± 4.334

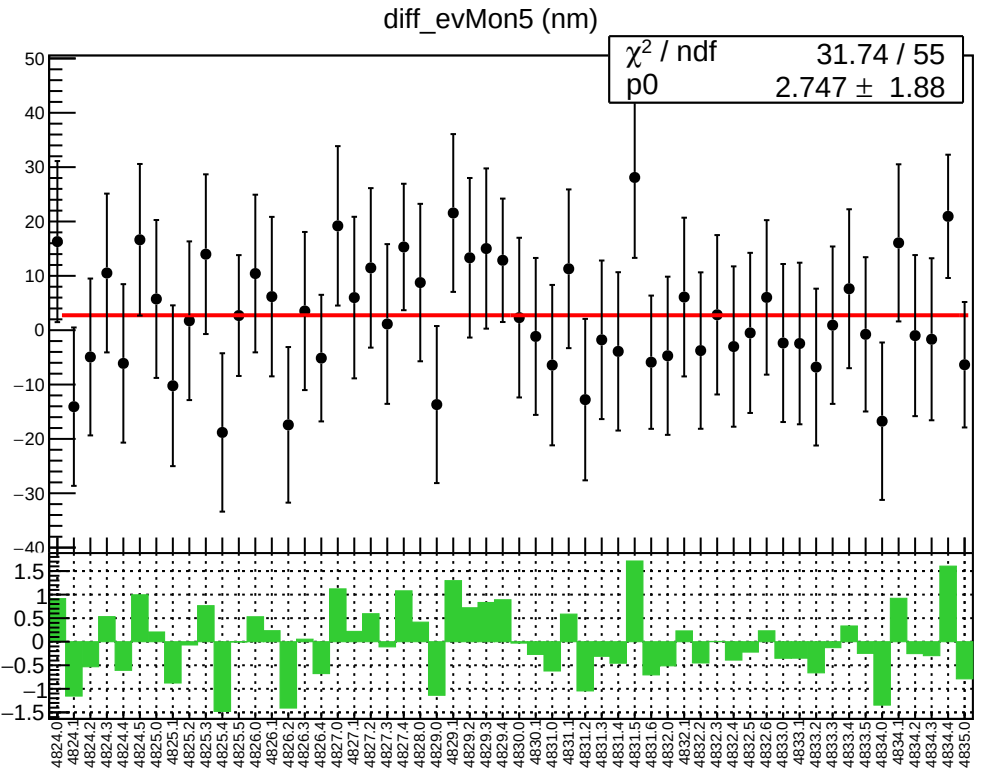

1D pull distribution
Mean −0.0007865 ± 0.1004
Std Dev 0.7516 ± 0.07102
Underflow 0
Overflow 0
χ² / ndf 3.287 / 4
Constant 15.05 ± 2.71
Mean −0.01172 ± 0.11526
Sigma 0.7579 ± 0.0972

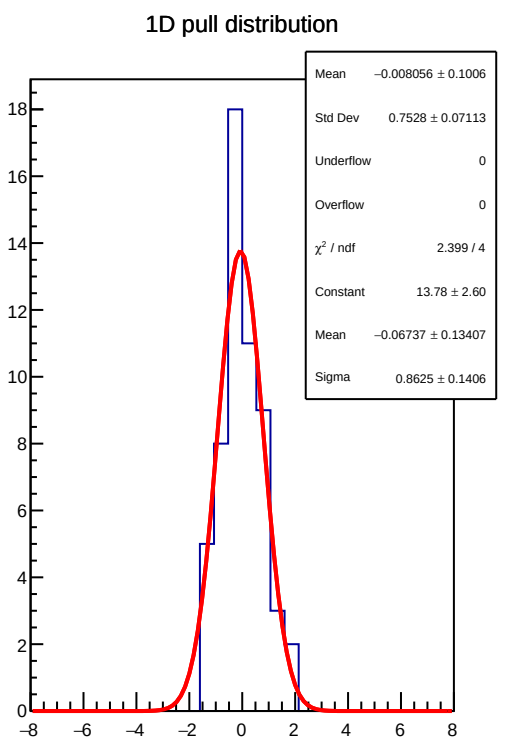

diff_evMon3 RMS (um)
RMS (um)
2.7
2.6
2.5
2.4
2.3
2.2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

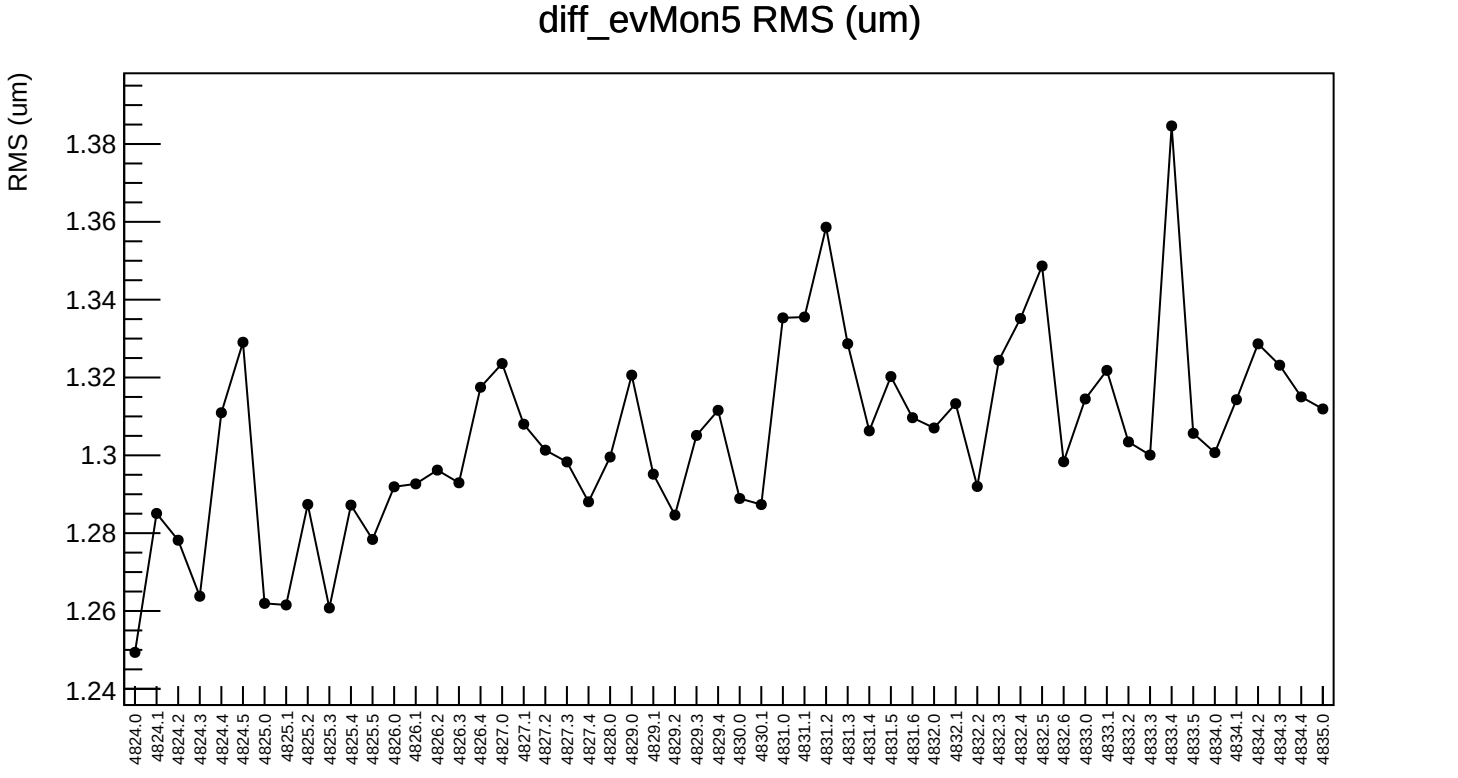

diff_evMon4 (nm)
χ² / ndf 36.02 / 55
p0 4.844 ± 3.53

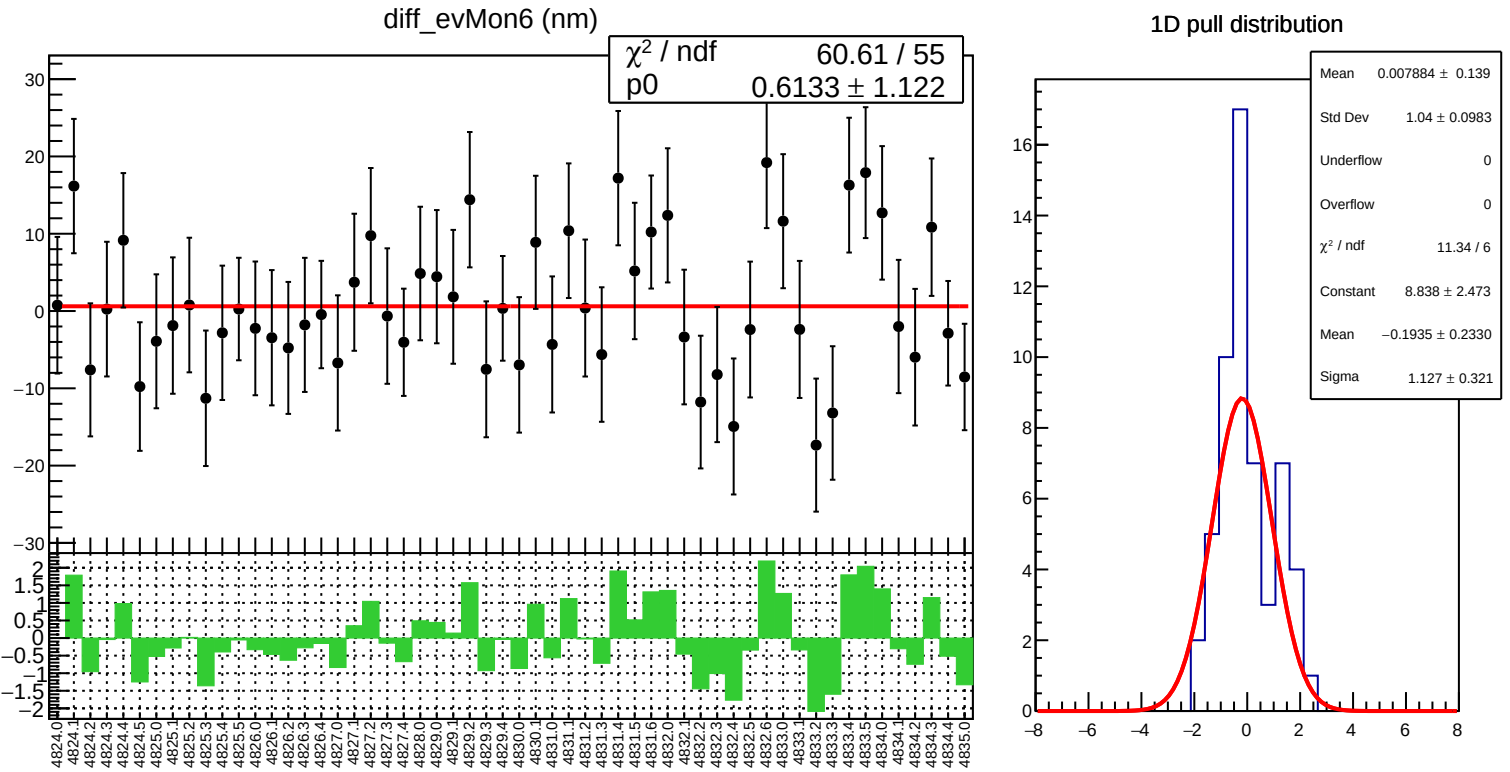

1D pull distribution
Mean −0.01413 ± 0.1072
Std Dev 0.8019 ± 0.07577
Underflow 0
Overflow 0
χ² / ndf 4.943 / 4
Constant 14.14 ± 2.93
Mean 0.09418 ± 0.12613
Sigma 0.7903 ± 0.1381

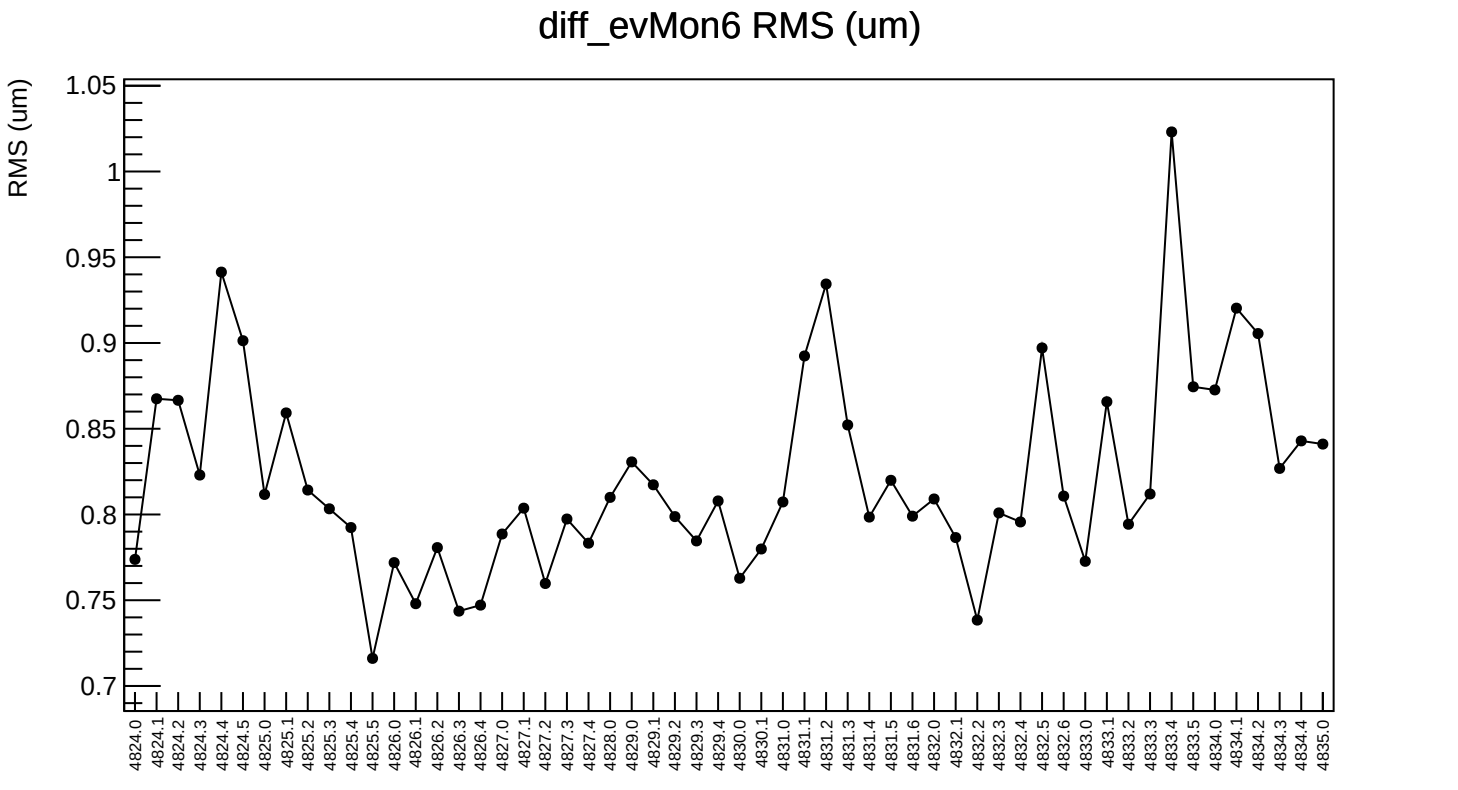

diff_evMon4 RMS (um)
RMS (um)
2
1.95
1.9
1.85
1.8
1.75
1.7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

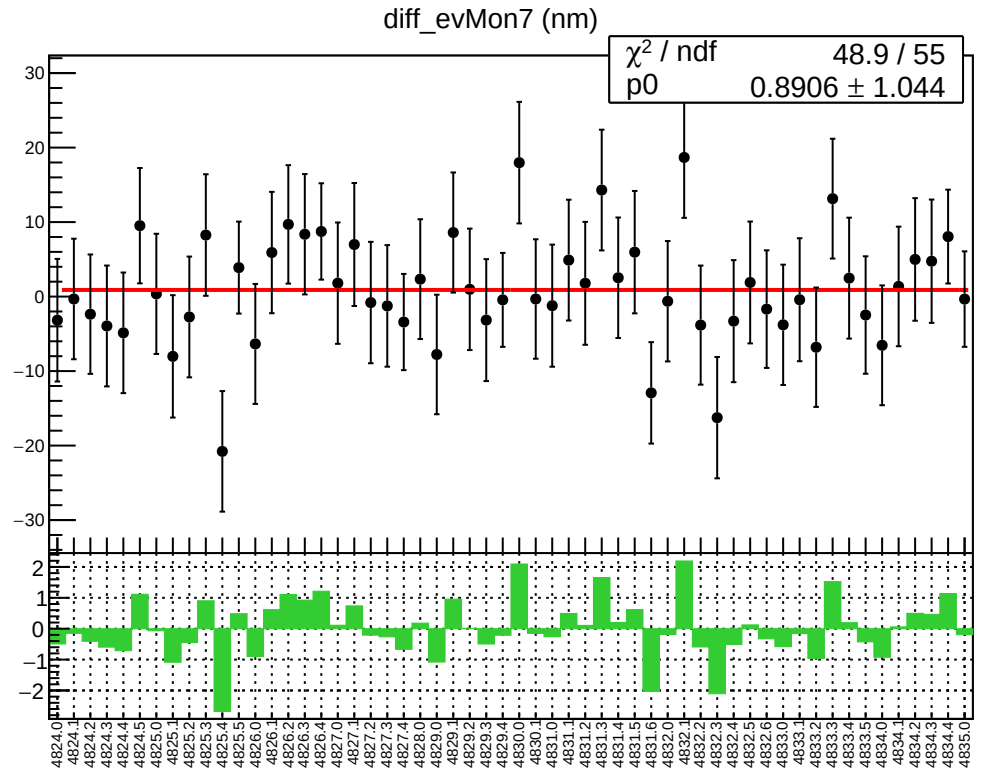

diff_evMon5 (nm)
χ² / ndf 31.74 / 55
p0 2.747 ± 1.88

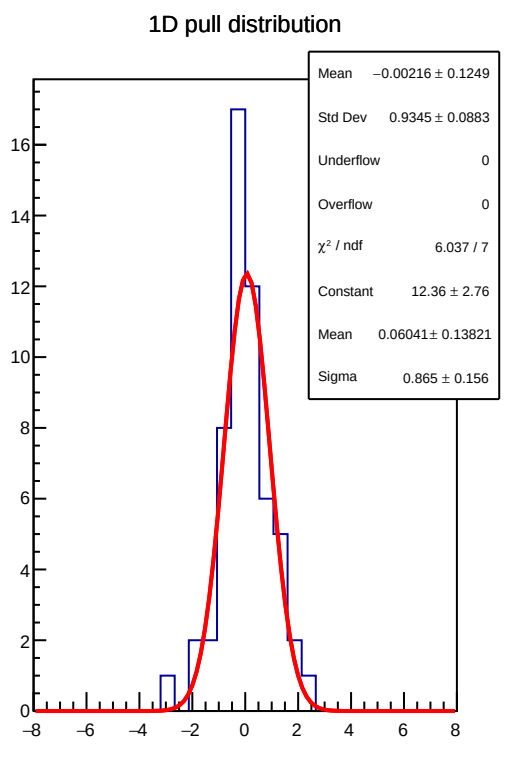

1D pull distribution
Mean −0.008056 ± 0.1006
Std Dev 0.7528 ± 0.07113
Underflow 0
Overflow 0
χ² / ndf 2.399 / 4
Constant 13.78 ± 2.60
Mean −0.06737 ± 0.13407
Sigma 0.8625 ± 0.1406

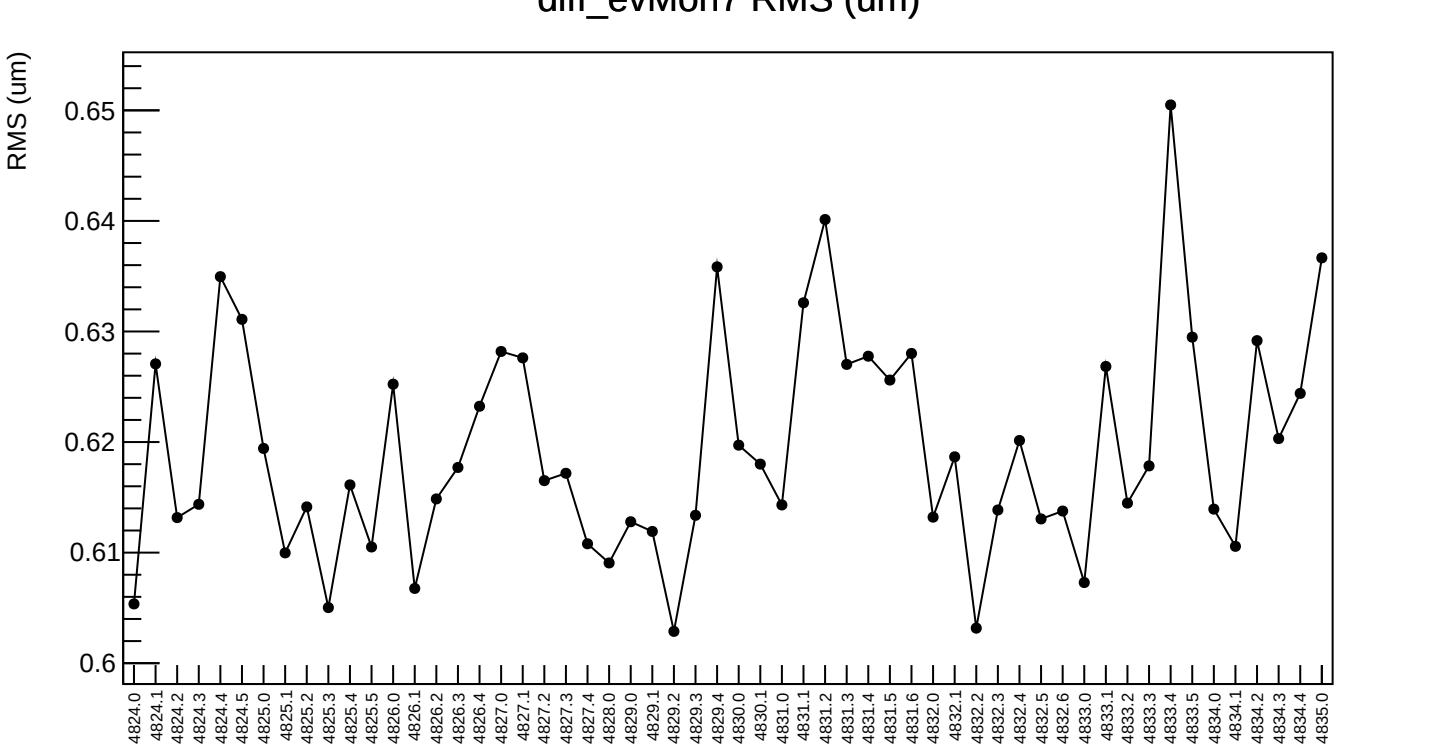

diff_evMon5 RMS (um)
RMS (um)
1.24
1.26
1.28
1.3
1.32
1.34
1.36
1.38
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

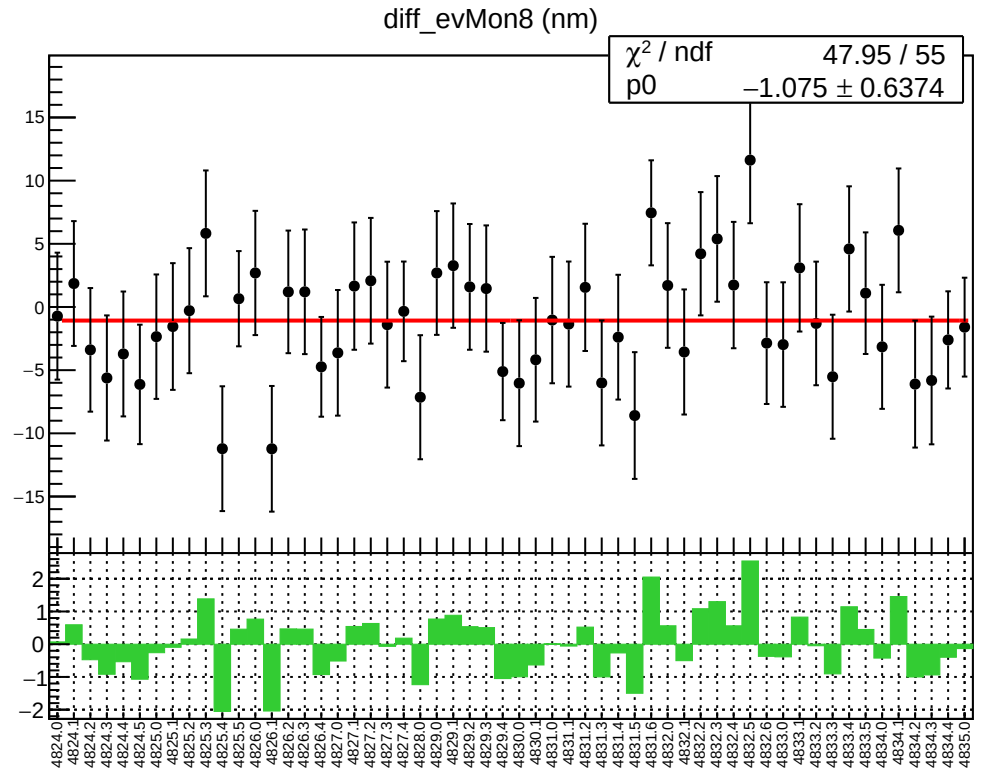

diff_evMon6 (nm)
χ² / ndf 60.61 / 55
p0 0.6133 ± 1.122
1D pull distribution
Mean 0.007884 ± 0.139
Std Dev 1.04 ± 0.0983
Underflow 0
Overflow 0
χ² / ndf 11.34 / 6
Constant 8.838 ± 2.473
Mean −0.1935 ± 0.2330
Sigma 1.127 ± 0.321

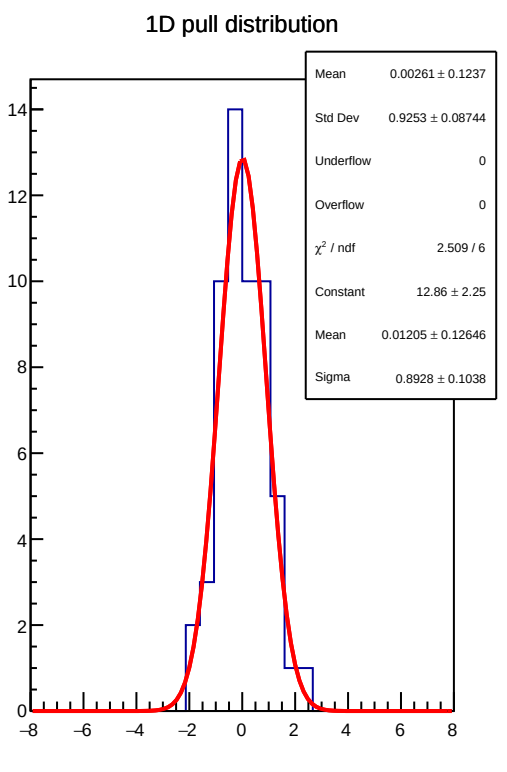

diff_evMon6 RMS (um)
RMS (um)
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

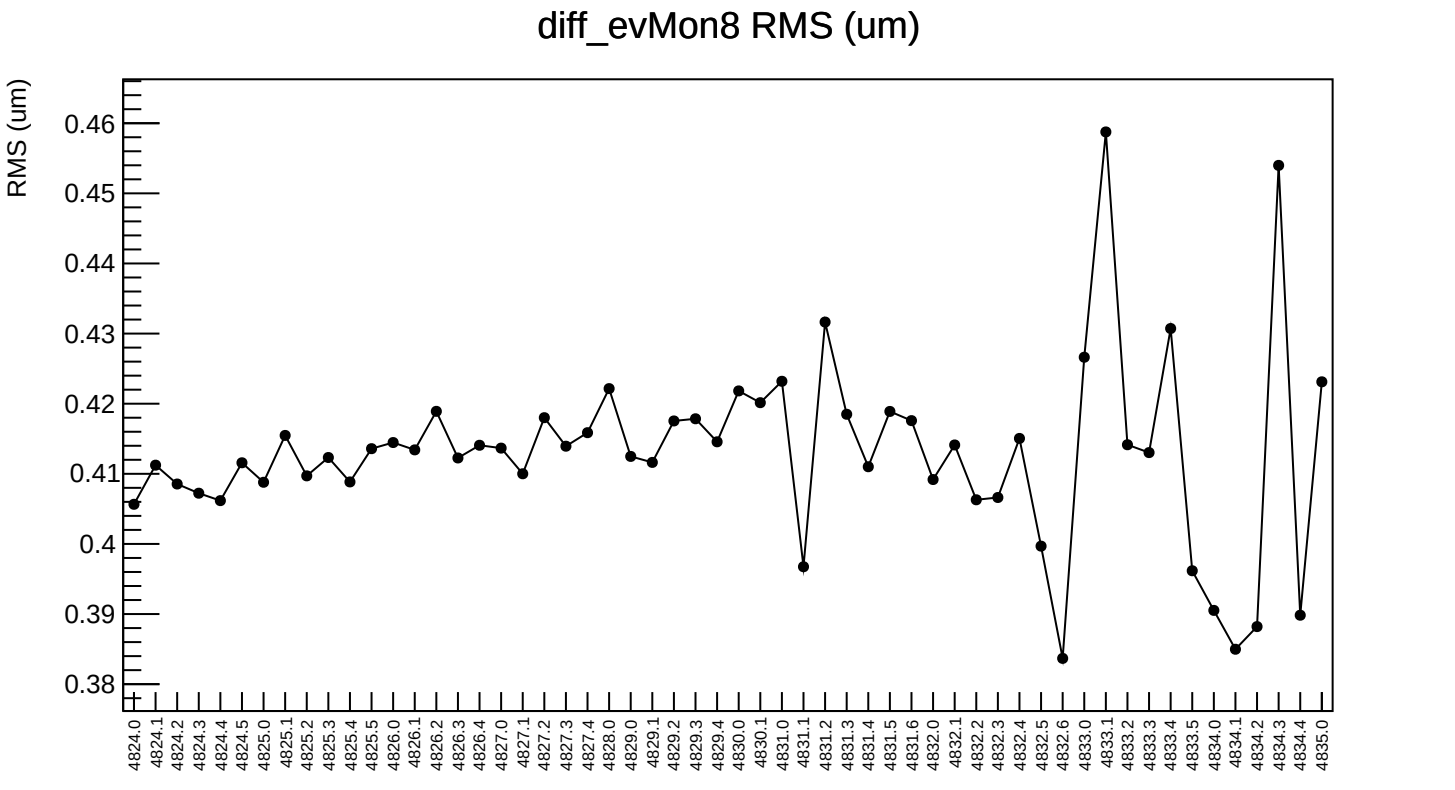

diff_evMon7 (nm)
χ² / ndf 48.9 / 55
p0 0.8906 ± 1.044

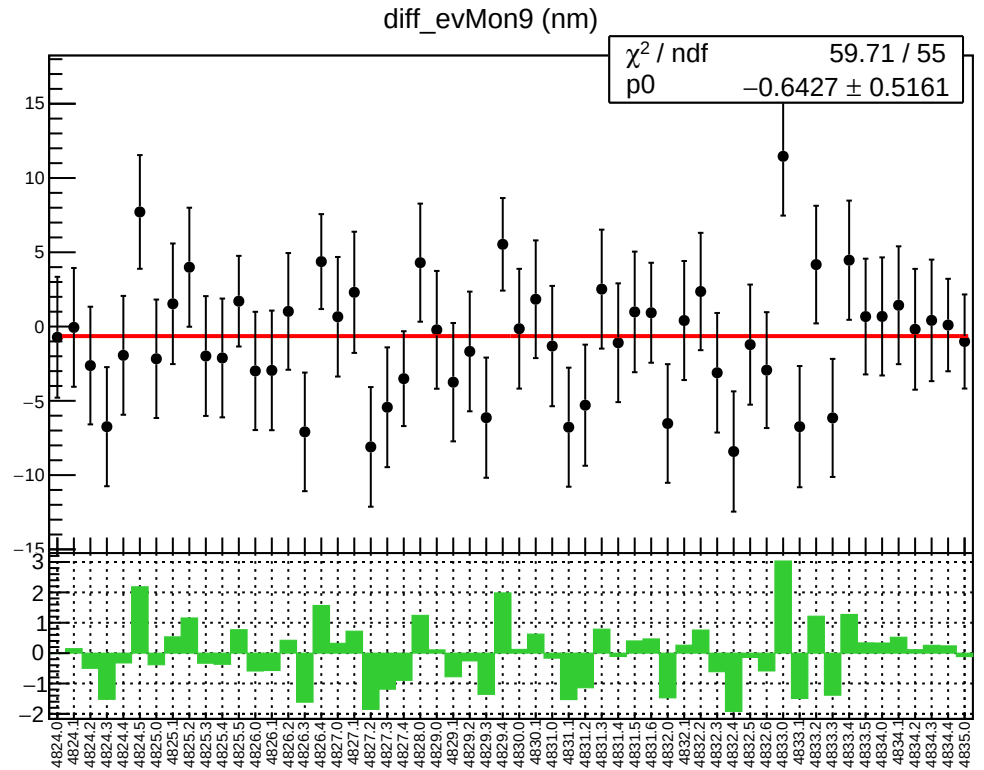

1D pull distribution
Mean −0.00216 ± 0.1249
Std Dev 0.9345 ± 0.0883
Underflow 0
Overflow 0
χ² / ndf 6.037 / 7
Constant 12.36 ± 2.76
Mean 0.06041± 0.13821
Sigma 0.865 ± 0.156

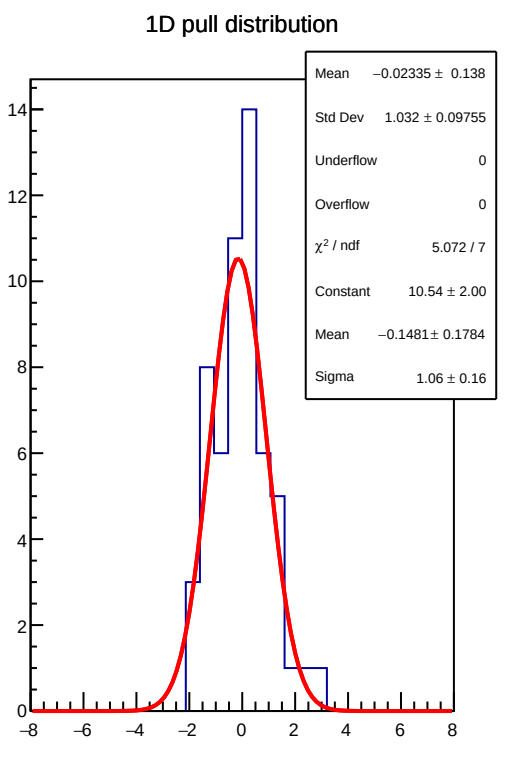

diff_evMon7 RMS (um)
RMS (um)
0.65
0.64
0.63
0.62
0.61
0.6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

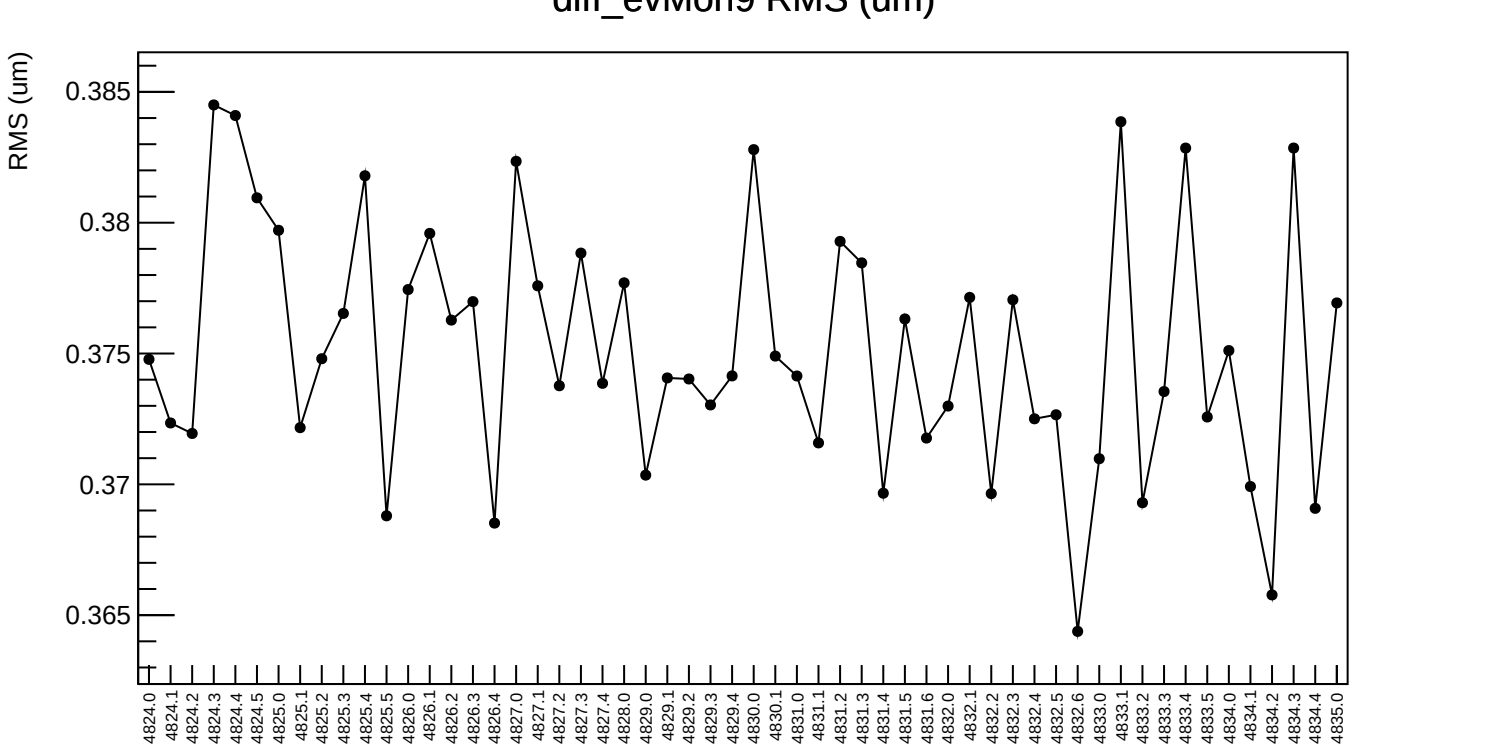

diff_evMon8 (nm)
χ² / ndf 47.95 / 55
p0 −1.075 ± 0.6374

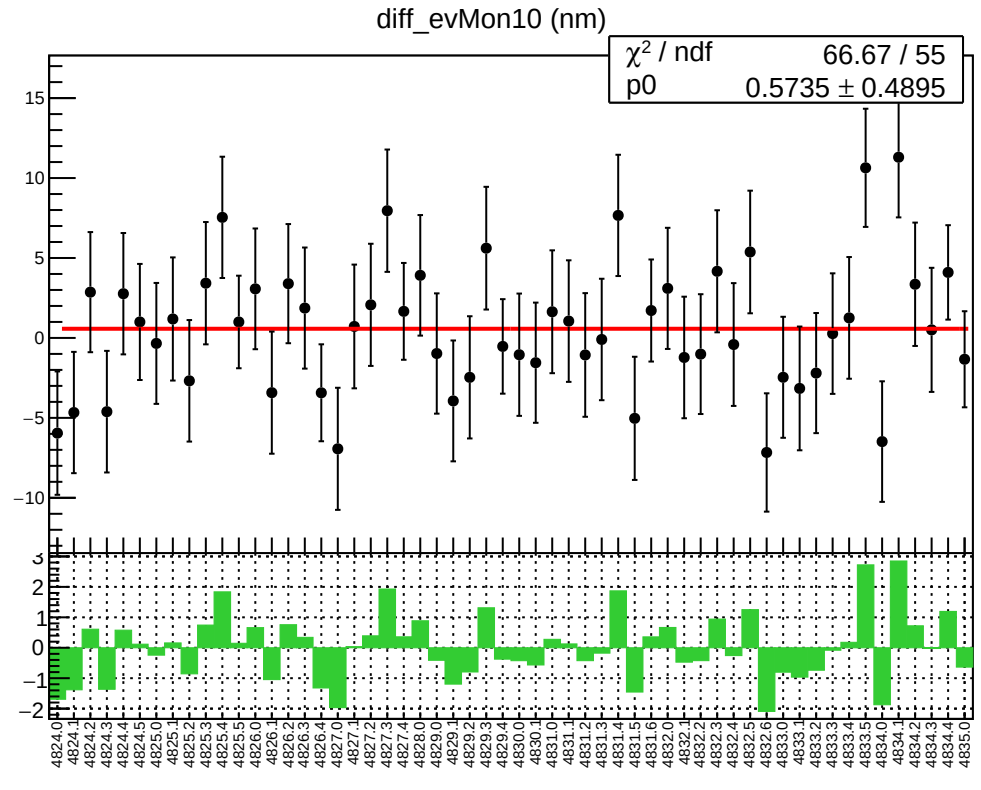

1D pull distribution
Mean 0.00261 ± 0.1237
Std Dev 0.9253 ± 0.08744
Underflow 0
Overflow 0
χ² / ndf 2.509 / 6
Constant 12.86 ± 2.25
Mean 0.01205 ± 0.12646
Sigma 0.8928 ± 0.1038

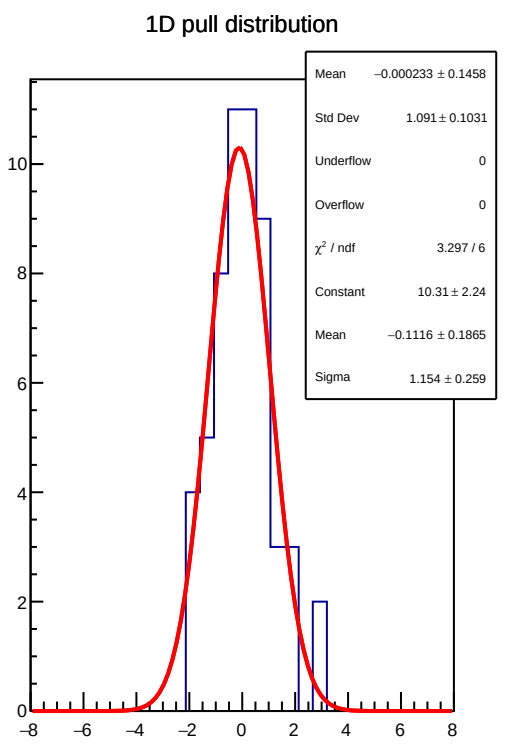

diff_evMon8 RMS (um)
RMS (um)
0.46
0.45
0.44
0.43
0.42
0.41
0.4
0.39
0.38
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

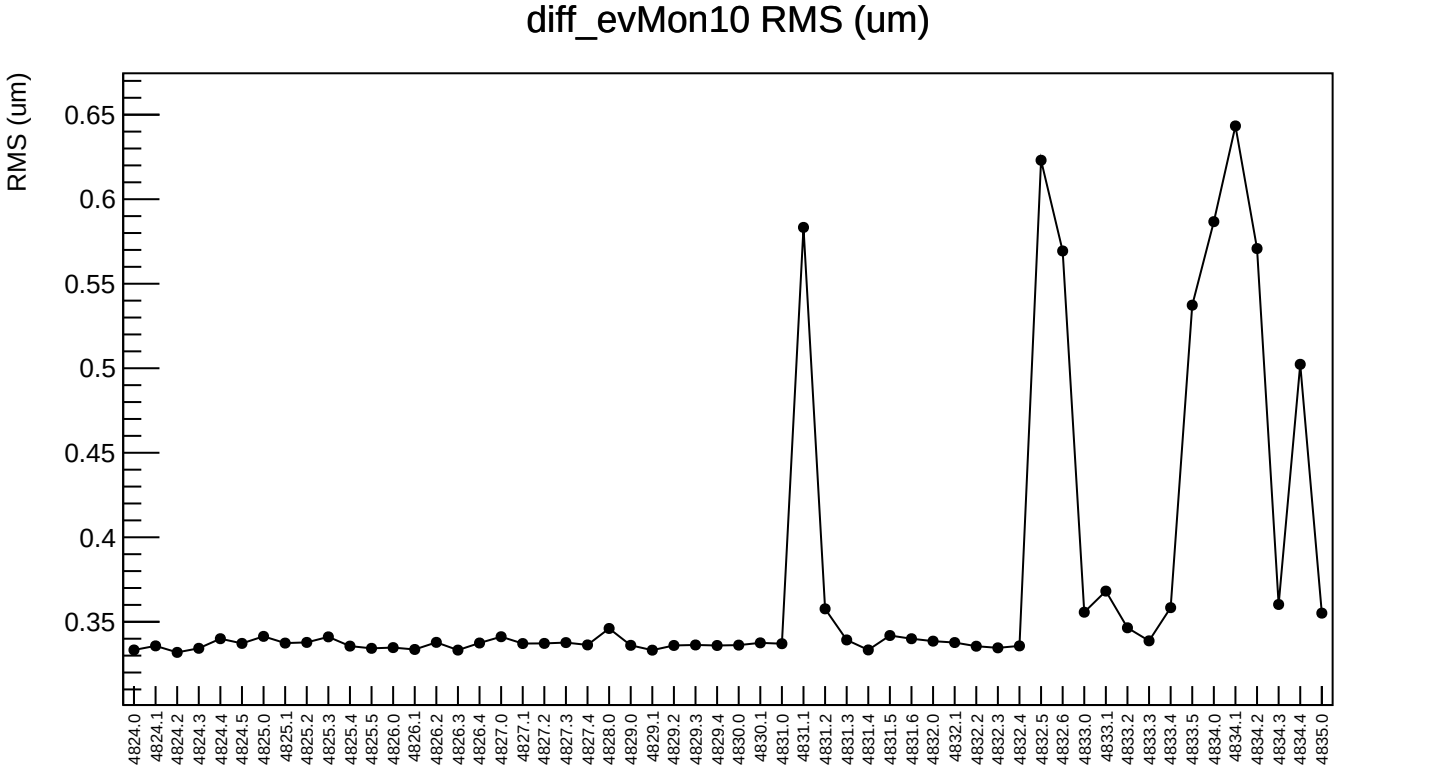

diff_evMon9 (nm)
χ² / ndf 59.71 / 55
p0 −0.6427 ± 0.5161

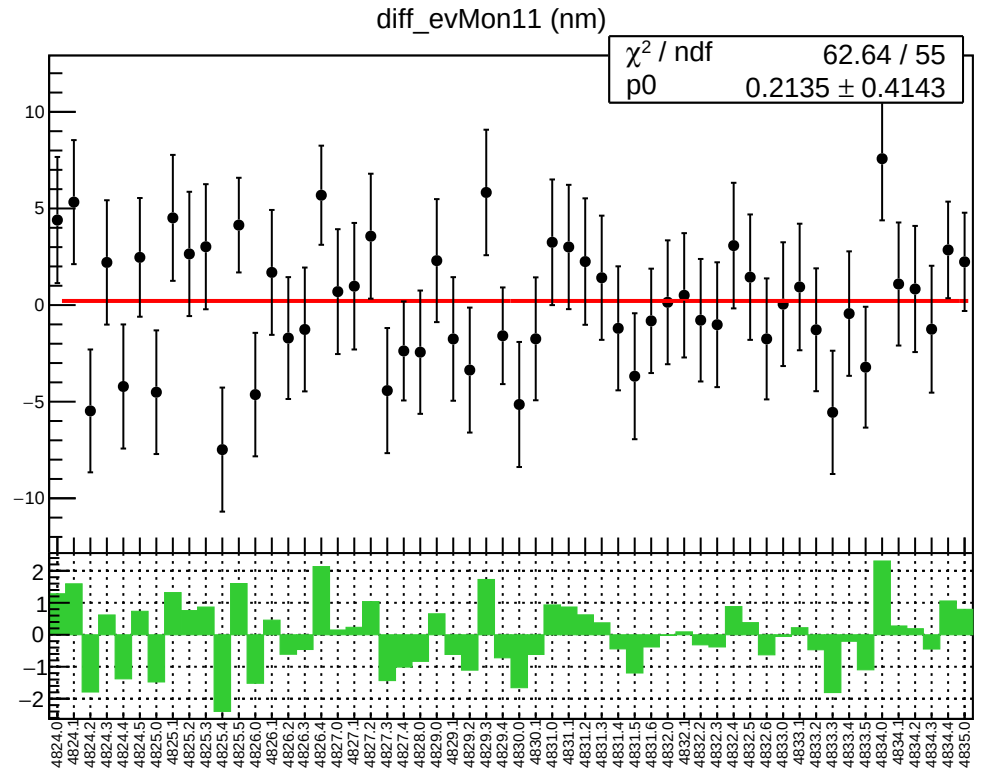

1D pull distribution
Mean −0.02335 ± 0.138
Std Dev 1.032 ± 0.09755
Underflow 0
Overflow 0
χ² / ndf 5.072 / 7
Constant 10.54 ± 2.00
Mean −0.1481 ± 0.1784
Sigma 1.06 ± 0.16

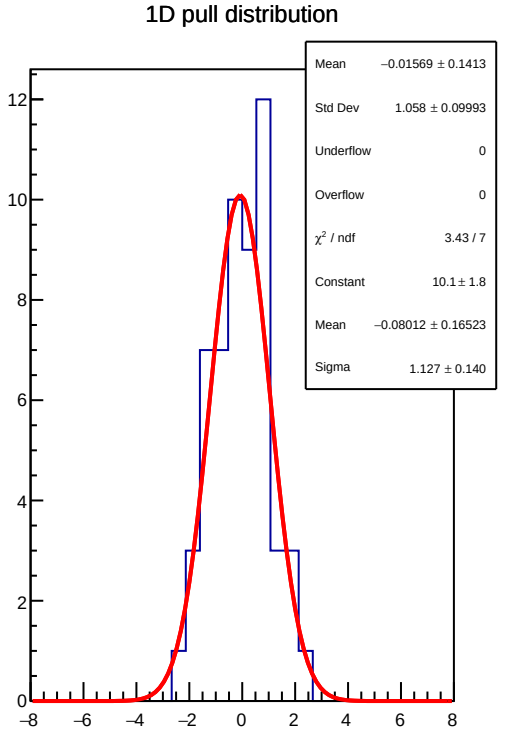

diff_evMon9 RMS (um)
RMS (um)
0.385
0.38
0.375
0.37
0.365
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

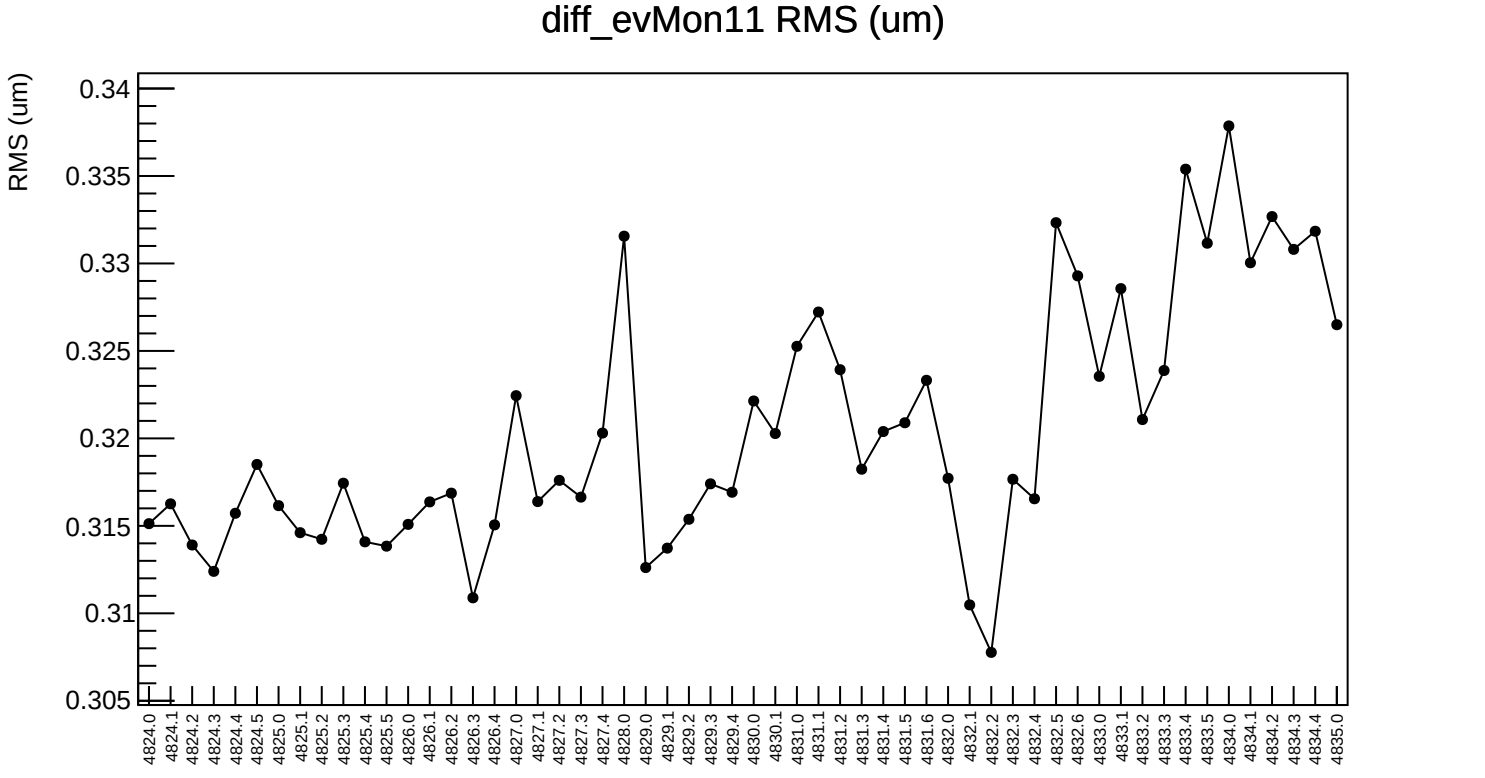

diff_evMon10 (nm)
χ² / ndf 66.67 / 55
p0 0.5735 ± 0.4895

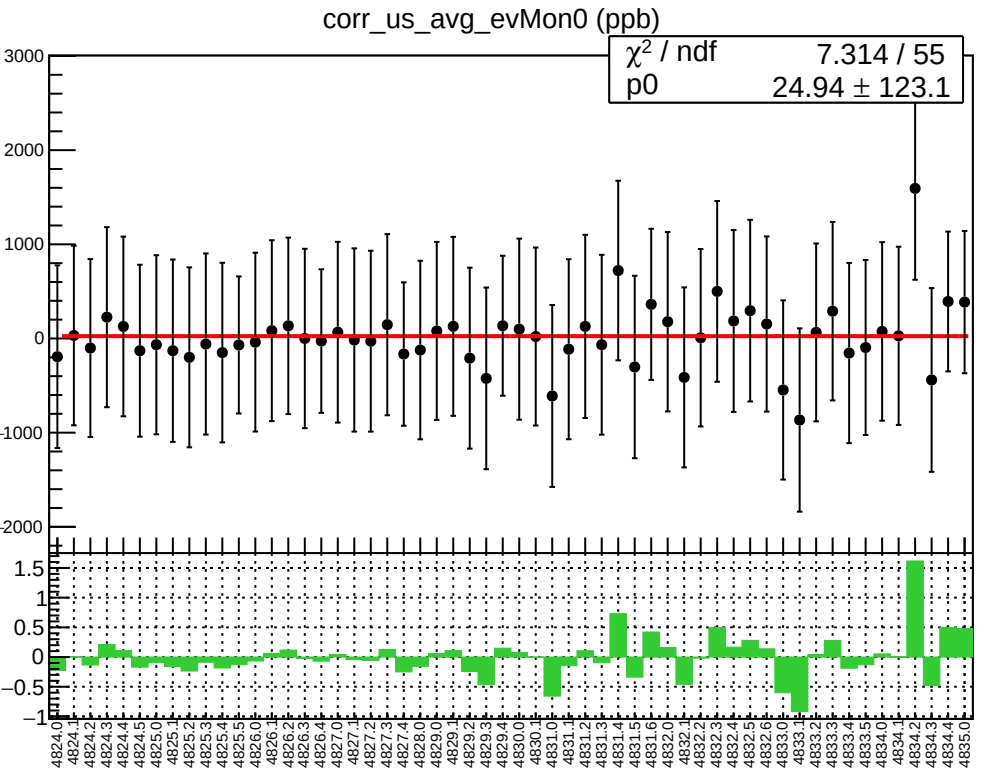

1D pull distribution
Mean −0.000233 ± 0.1458
Std Dev 1.091 ± 0.1031
Underflow 0
Overflow 0
χ² / ndf 3.297 / 6
Constant 10.31 ± 2.24
Mean −0.1116 ± 0.1865
Sigma 1.154 ± 0.259

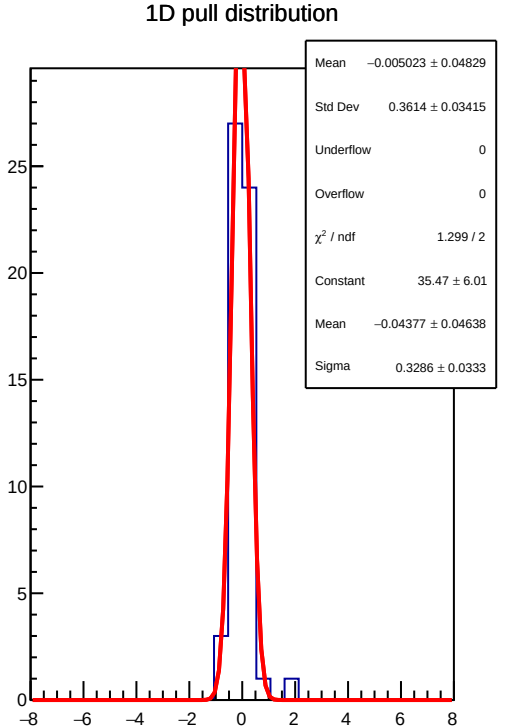

diff_evMon10 RMS (um)
RMS (um)
0.65
0.6
0.55
0.5
0.45
0.4
0.35
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

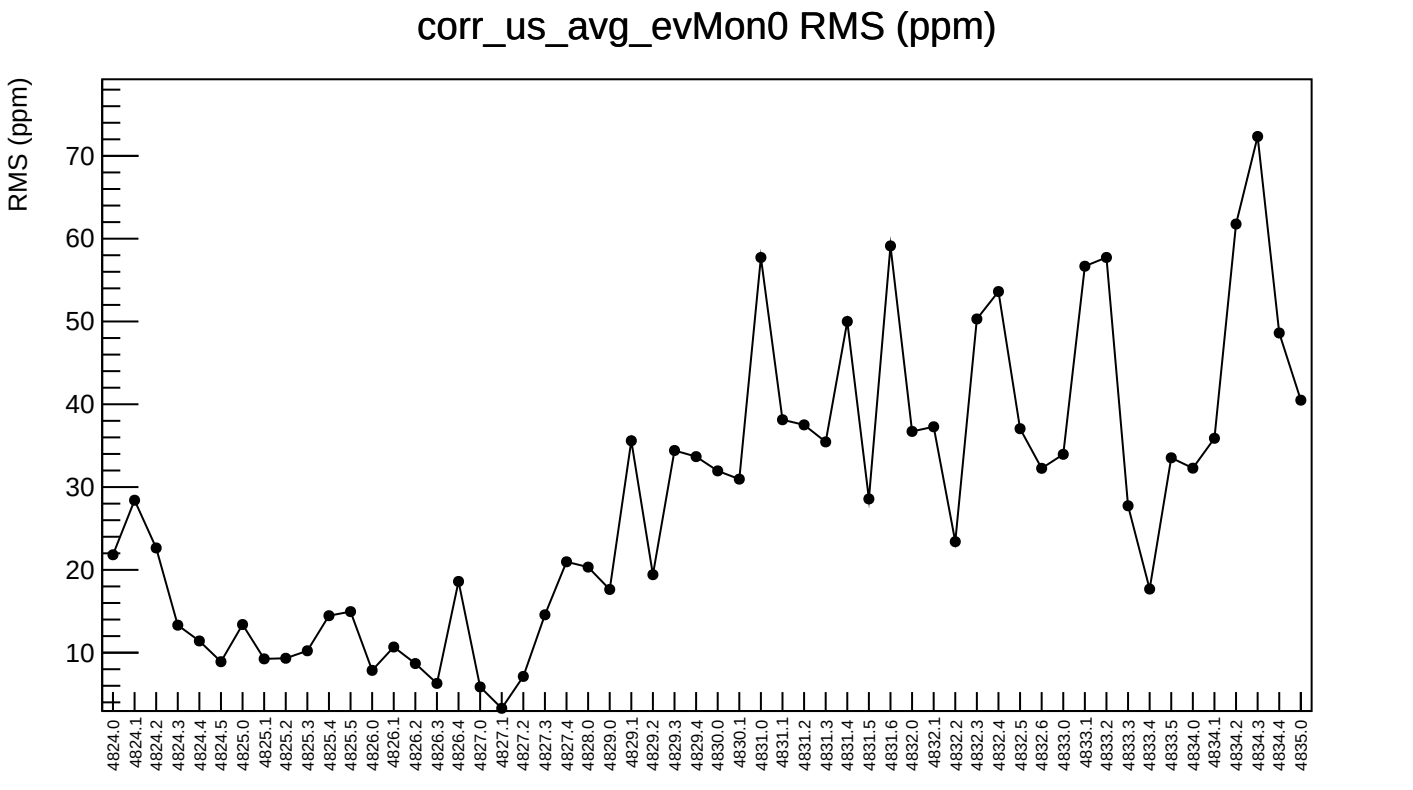

diff_evMon11 (nm)
χ² / ndf 62.64 / 55
p0 0.2135 ± 0.4143
10
5
0
−5
−10
2
1
0
−1
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

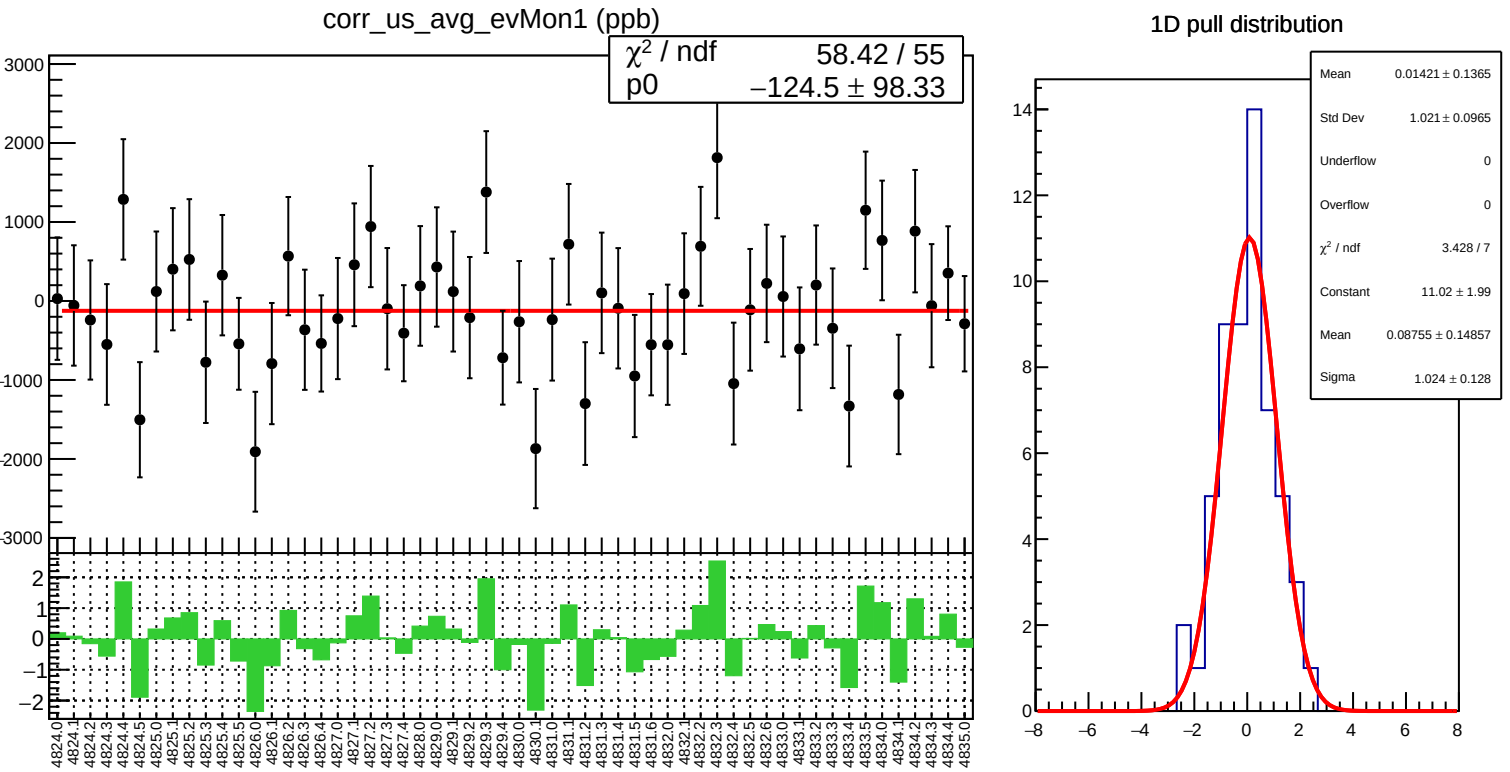

1D pull distribution
Mean −0.01569 ± 0.1413
Std Dev 1.058 ± 0.09993
Underflow 0
Overflow 0
χ² / ndf 3.43 / 7
Constant 10.1 ± 1.8
Mean −0.08012 ± 0.16523
Sigma 1.127 ± 0.140
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

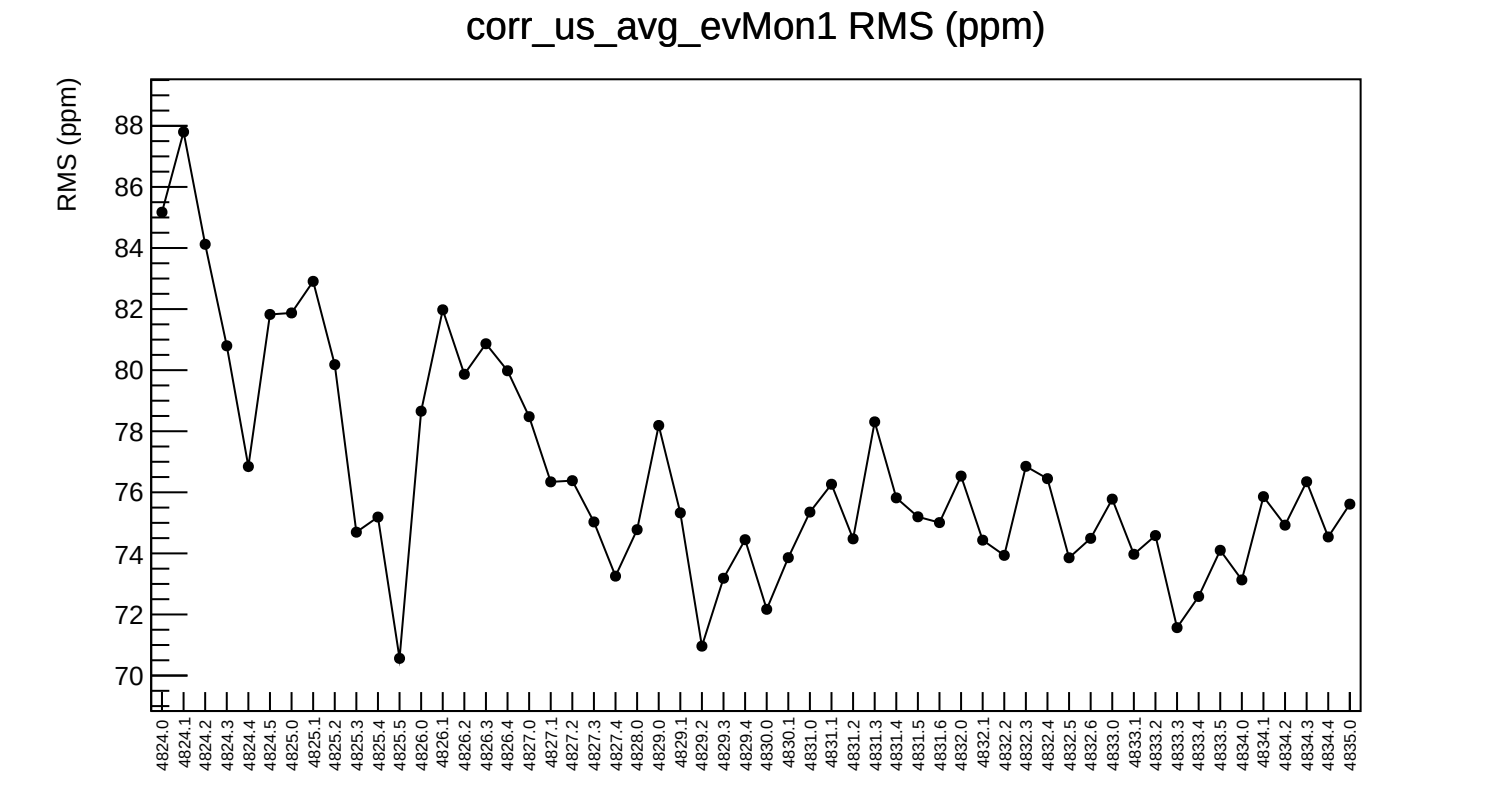

diff_evMon11 RMS (um)
RMS (um)
0.34
0.335
0.33
0.325
0.32
0.315
0.31
0.305
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

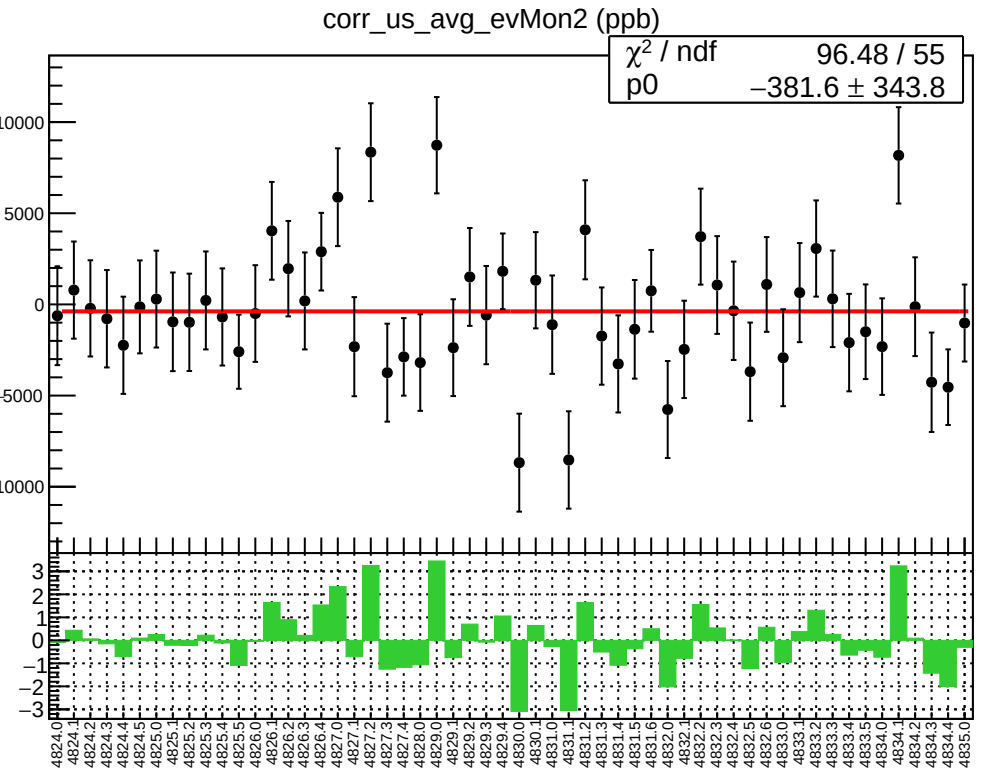

corr_us_avg_evMon0 (ppb)
χ² / ndf 7.314 / 55
p0 24.94 ± 123.1
3000
2000
1000
0
-1000
-2000
1.5
1
0.5
0
−0.5
−1
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

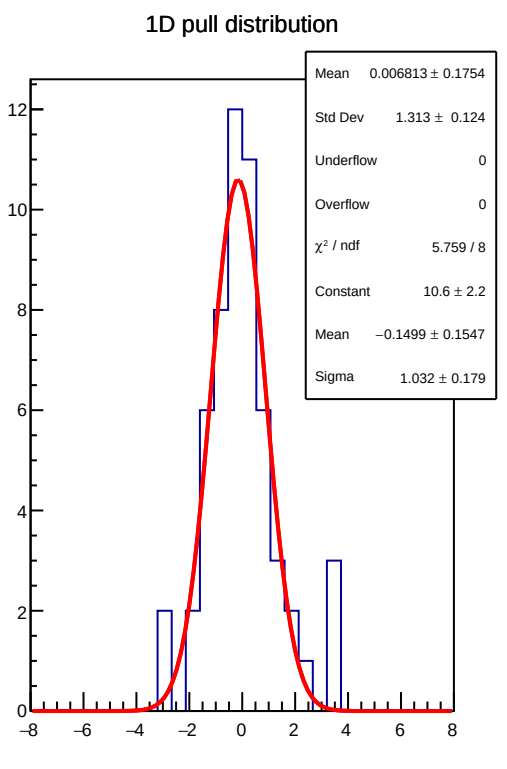

1D pull distribution
Mean −0.005023 ± 0.04829
Std Dev 0.3614 ± 0.03415
Underflow 0
Overflow 0
χ² / ndf 1.299 / 2
Constant 35.47 ± 6.01
Mean −0.04377 ± 0.04638
Sigma 0.3286 ± 0.0333
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

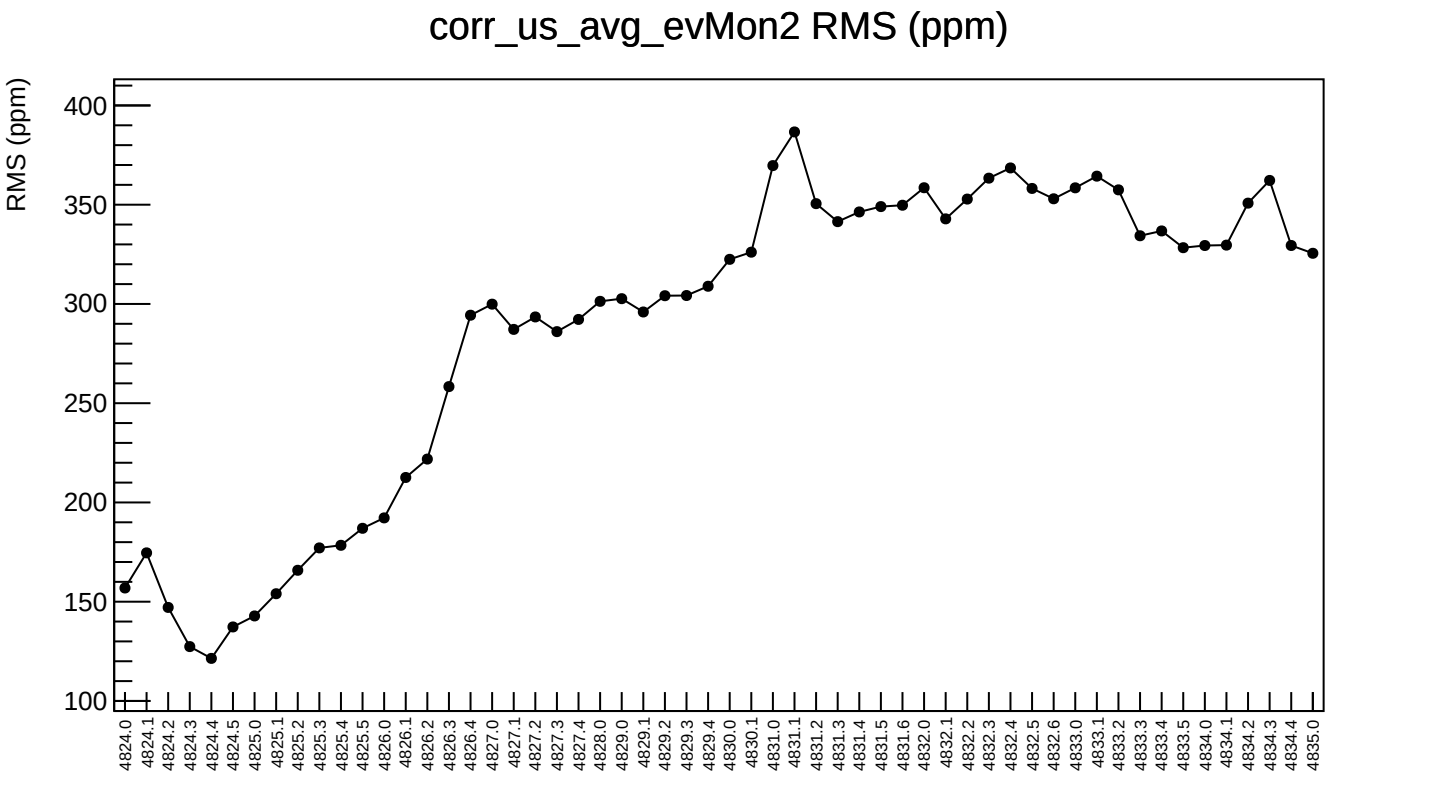

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
10
20
30
40
50
60
70
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

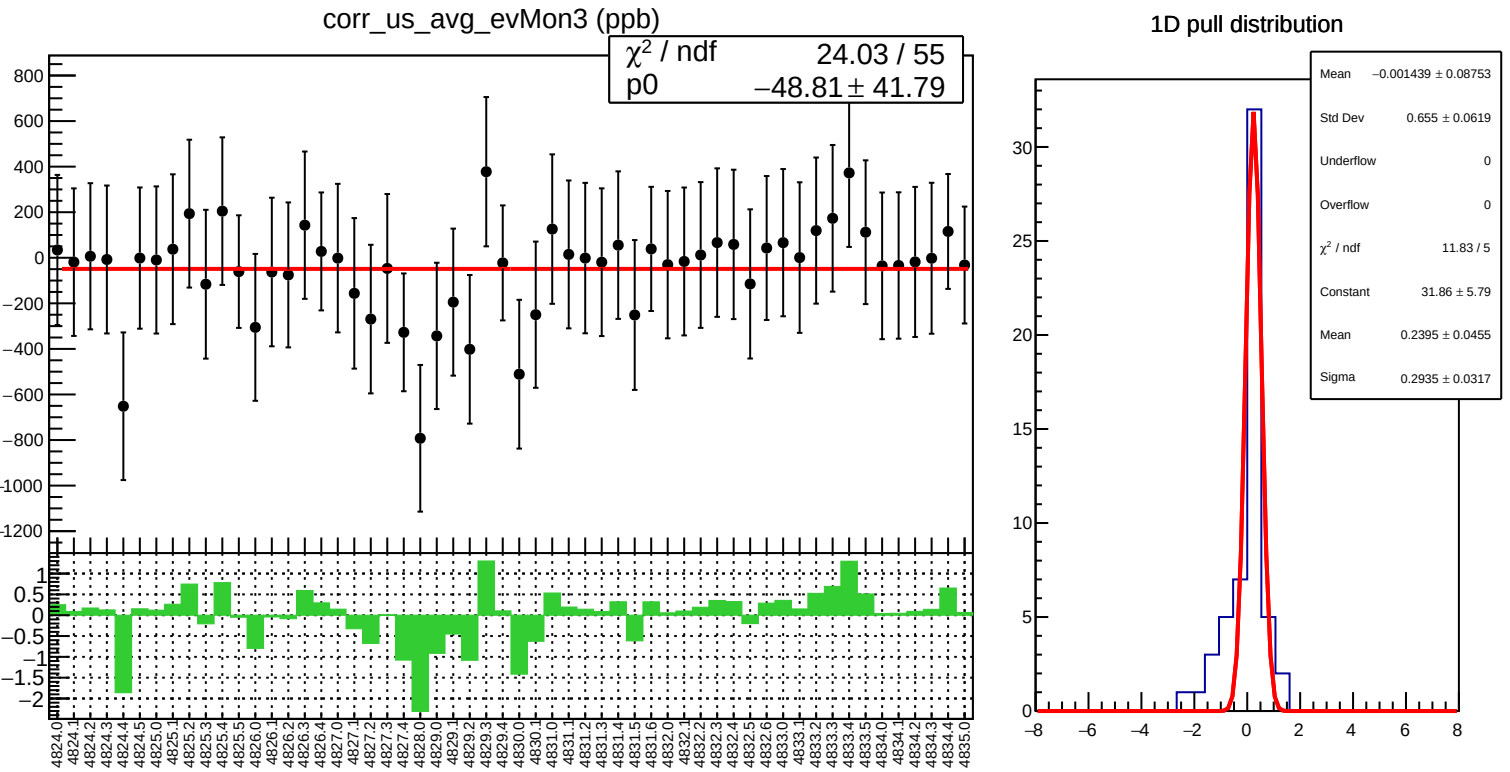

corr_us_avg_evMon1 (ppb)
χ² / ndf 58.42 / 55
p0 −124.5 ± 98.33
1D pull distribution
Mean 0.01421 ± 0.1365
Std Dev 1.021 ± 0.0965
Underflow 0
Overflow 0
χ² / ndf 3.428 / 7
Constant 11.02 ± 1.99
Mean 0.08755 ± 0.14857
Sigma 1.024 ± 0.128

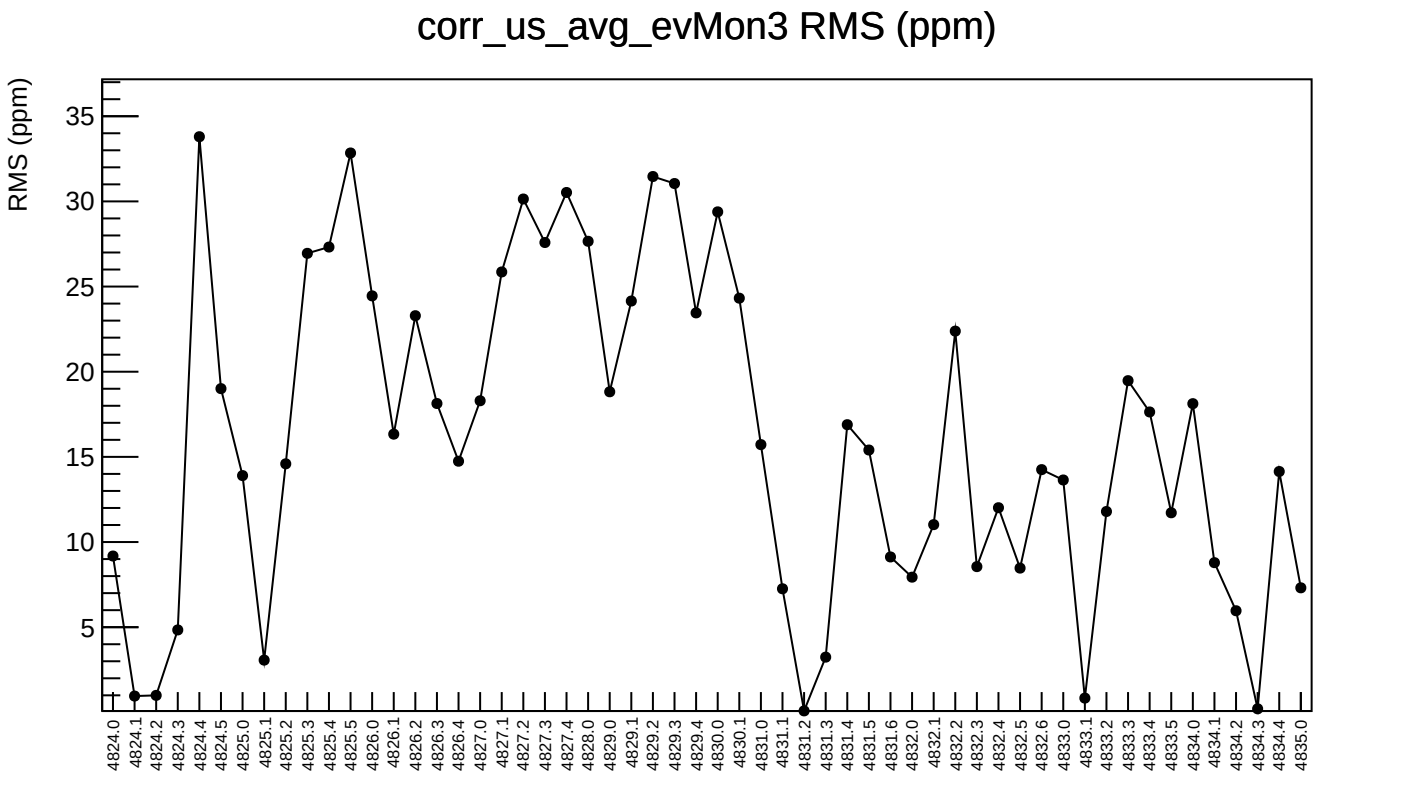

corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
88
86
84
82
80
78
76
74
72
70
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

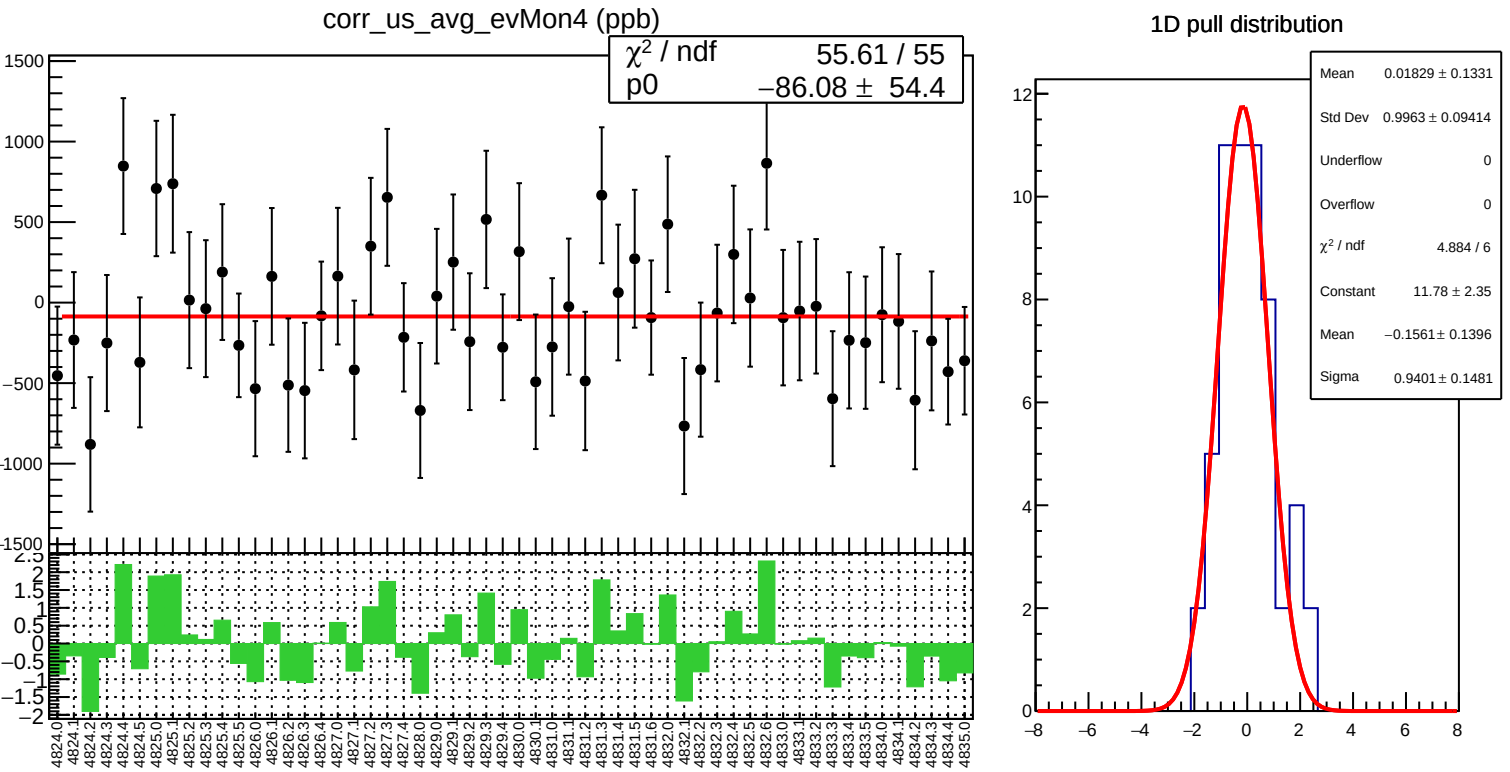

corr_us_avg_evMon2 (ppb)
χ² / ndf 96.48 / 55
p0 −381.6 ± 343.8
10000
5000
0
−5000
−10000
3
2
1
0
−1
−2
−3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

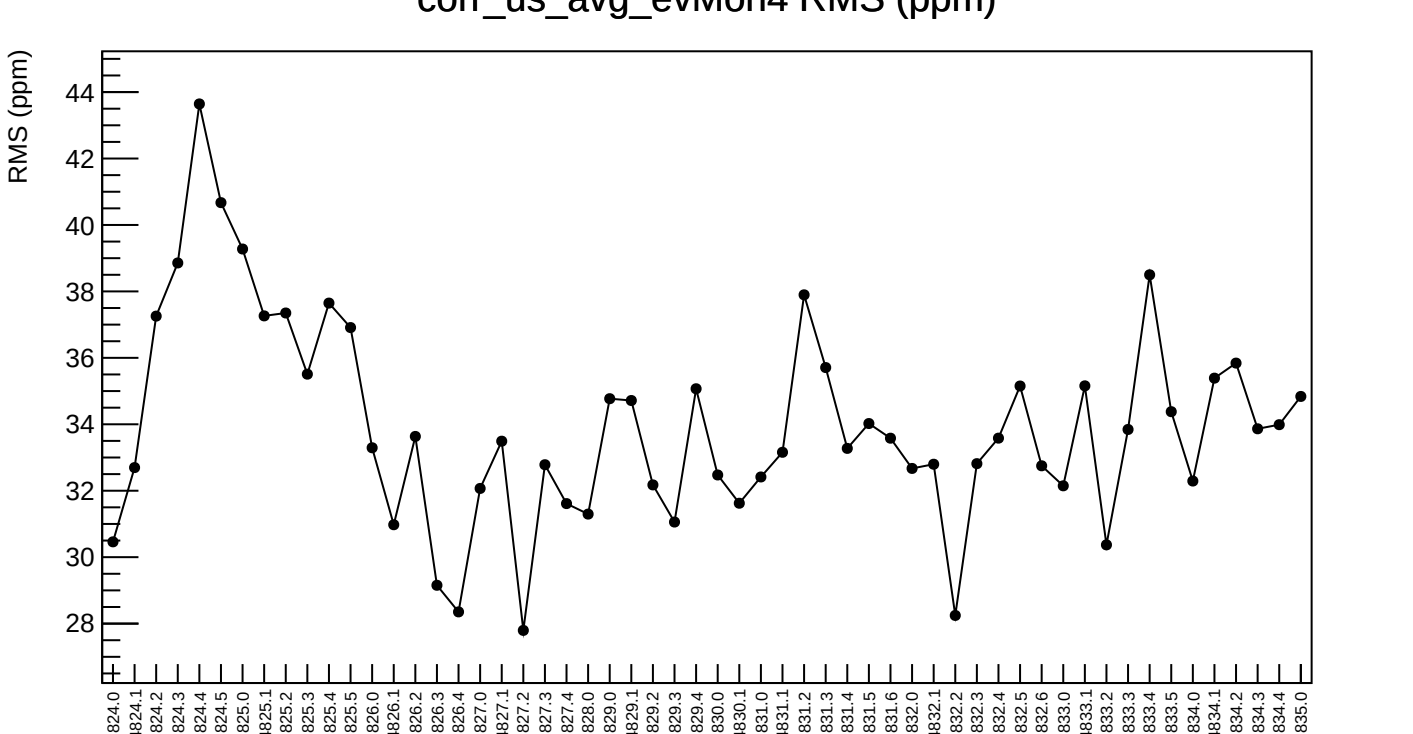

1D pull distribution
Mean 0.006813 ± 0.1754
Std Dev 1.313 ± 0.124
Underflow 0
Overflow 0
χ² / ndf 5.759 / 8
Constant 10.6 ± 2.2
Mean −0.1499 ± 0.1547
Sigma 1.032 ± 0.179
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

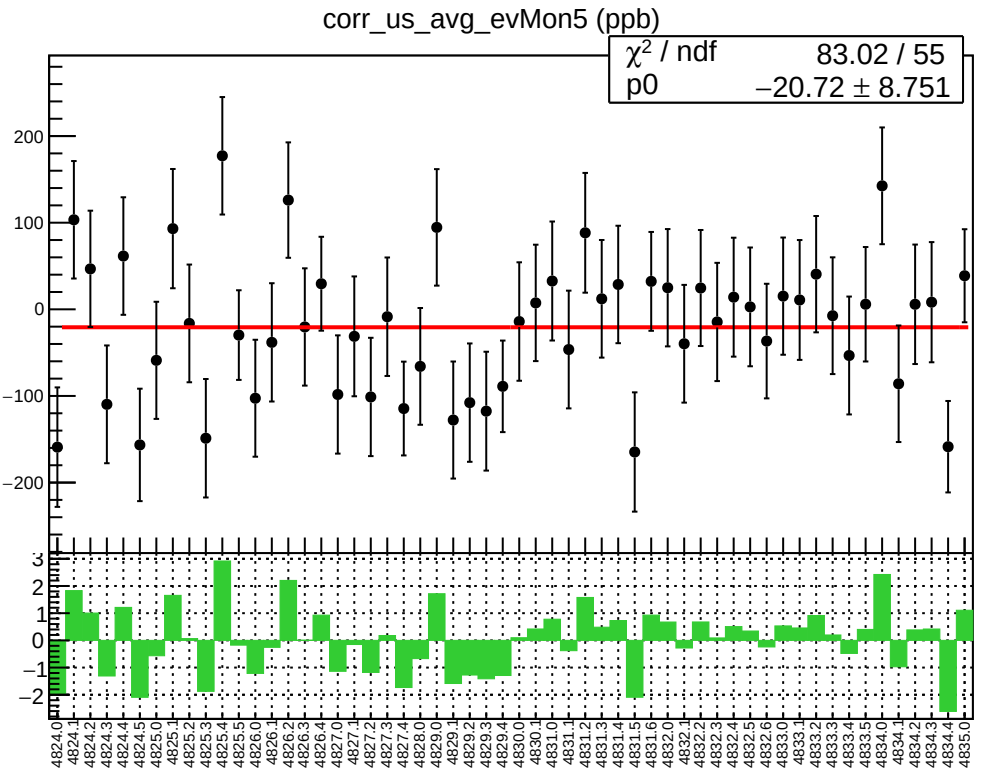

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
400
350
300
250
200
150
100
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

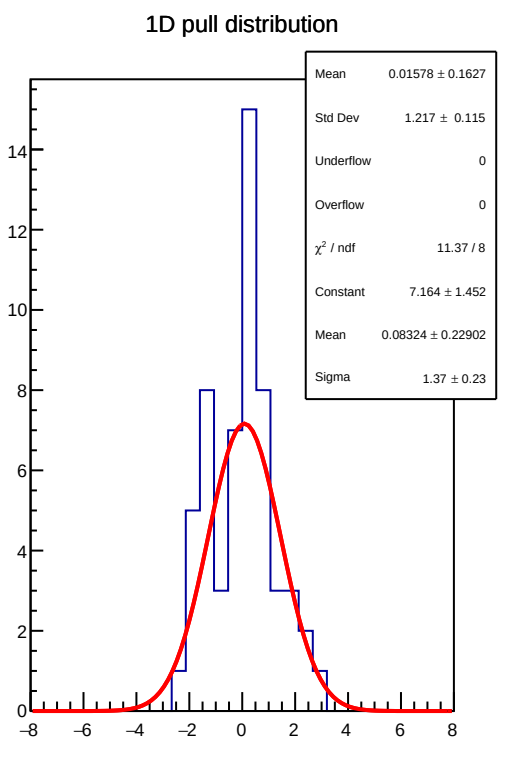

corr_us_avg_evMon3 (ppb)
χ² / ndf 24.03 / 55
p0 −48.81 ± 41.79
1D pull distribution
Mean −0.001439 ± 0.08753
Std Dev 0.655 ± 0.0619
Underflow 0
Overflow 0
χ² / ndf 11.83 / 5
Constant 31.86 ± 5.79
Mean 0.2395 ± 0.0455
Sigma 0.2935 ± 0.0317

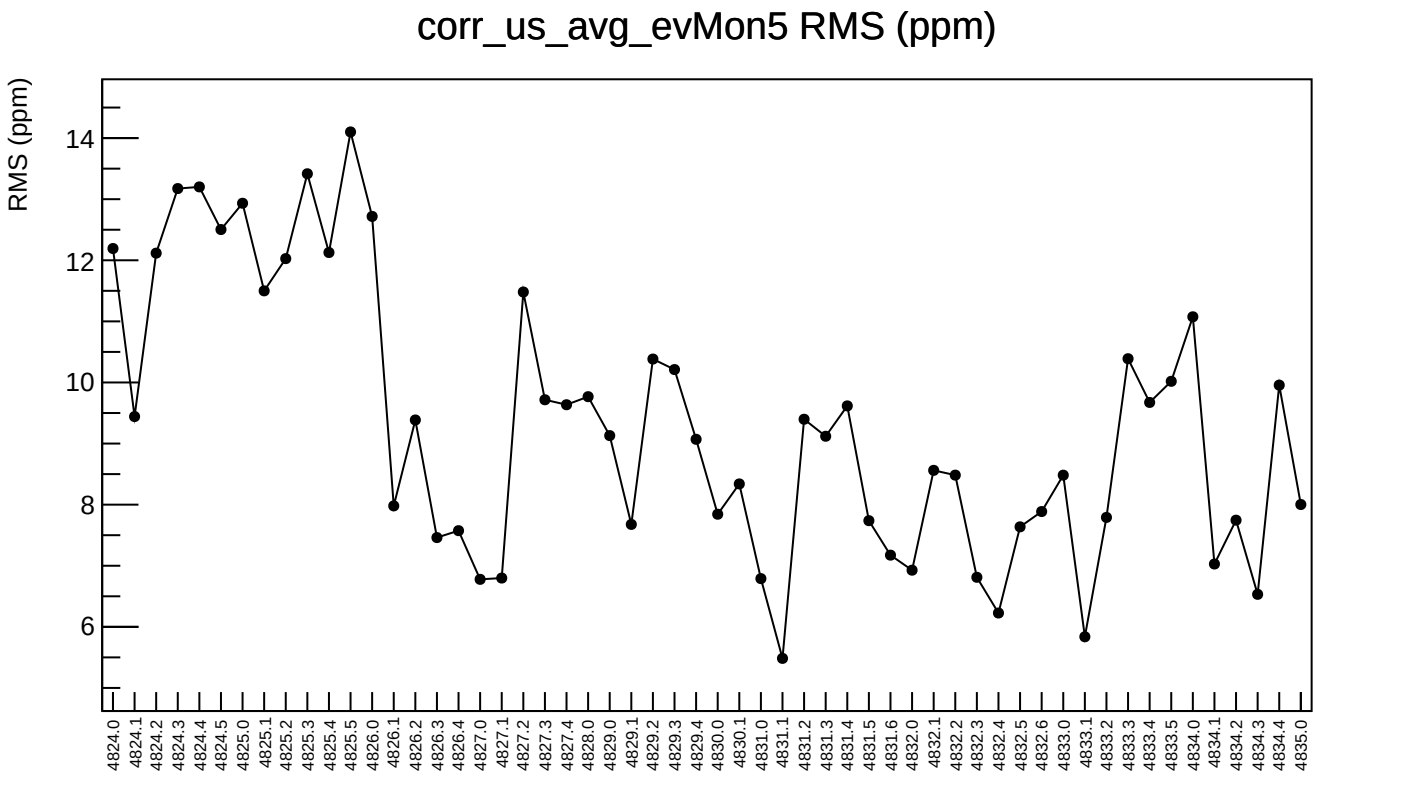

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
35
30
25
20
15
10
5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

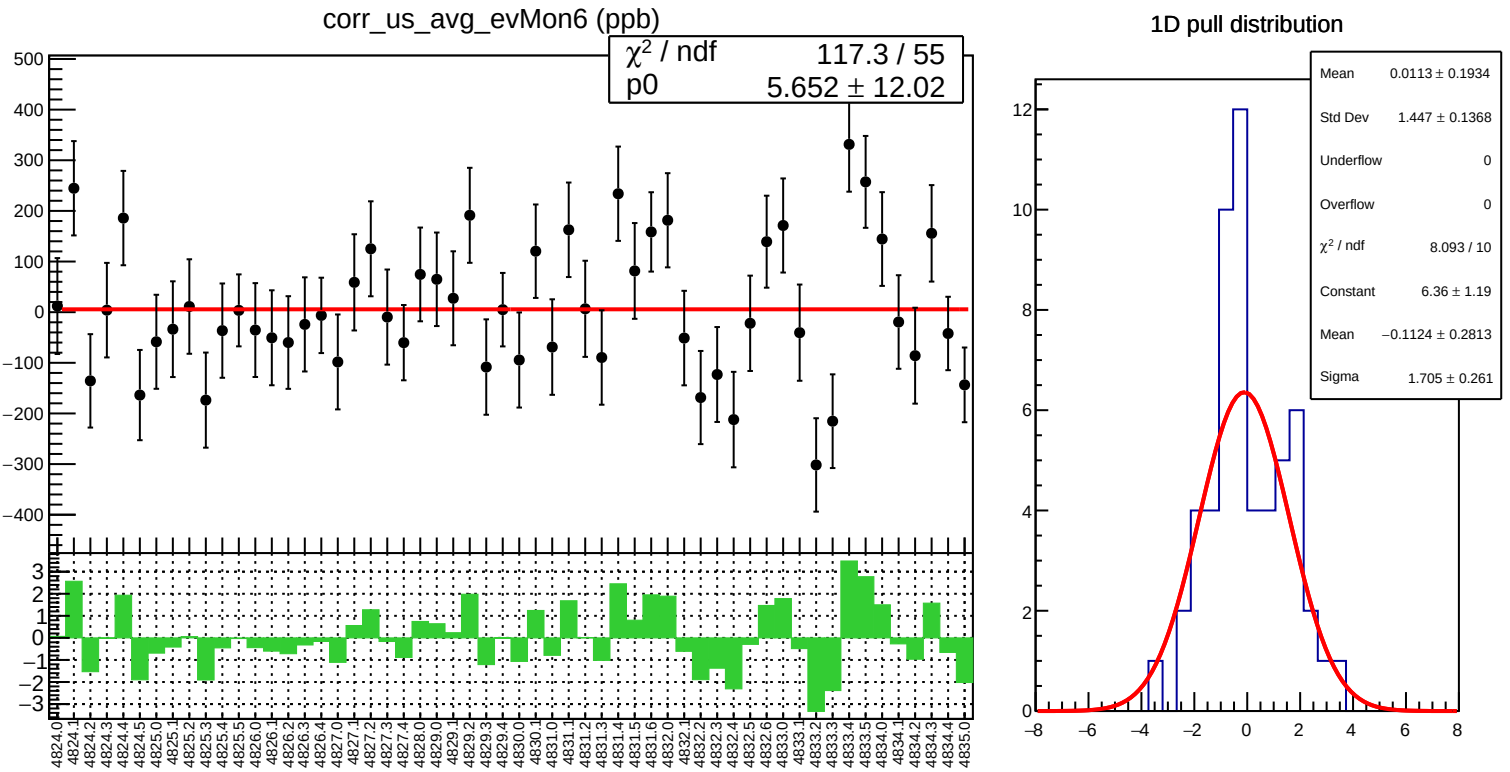

corr_us_avg_evMon4 (ppb)
χ² / ndf 55.61 / 55
p0 −86.08 ± 54.4
1D pull distribution
Mean 0.01829 ± 0.1331
Std Dev 0.9963 ± 0.09414
Underflow 0
Overflow 0
χ² / ndf 4.884 / 6
Constant 11.78 ± 2.35
Mean −0.1561 ± 0.1396
Sigma 0.9401 ± 0.1481

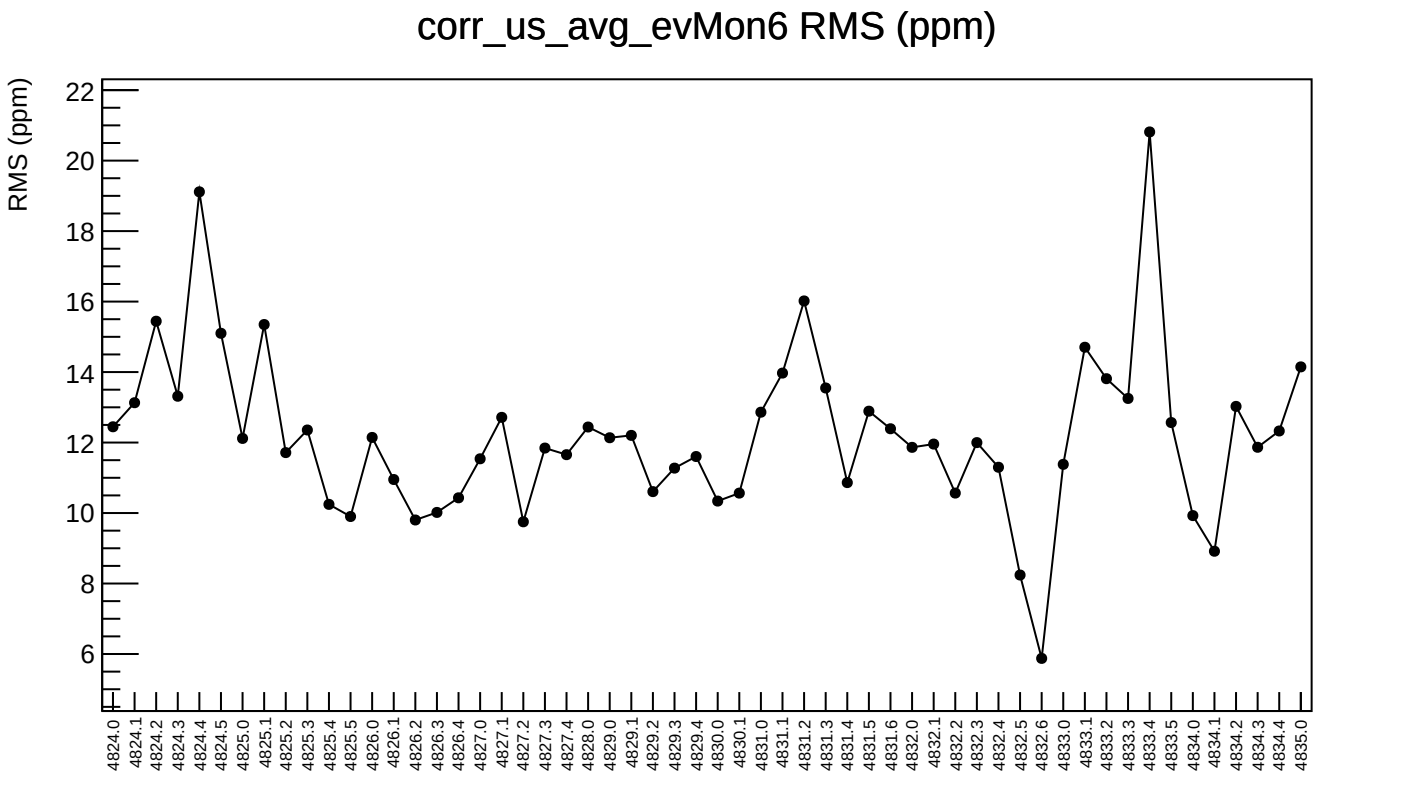

corr_us_avg_evMon4 RMS (ppm)
RMS (ppm)
44
42
40
38
36
34
32
30
28
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

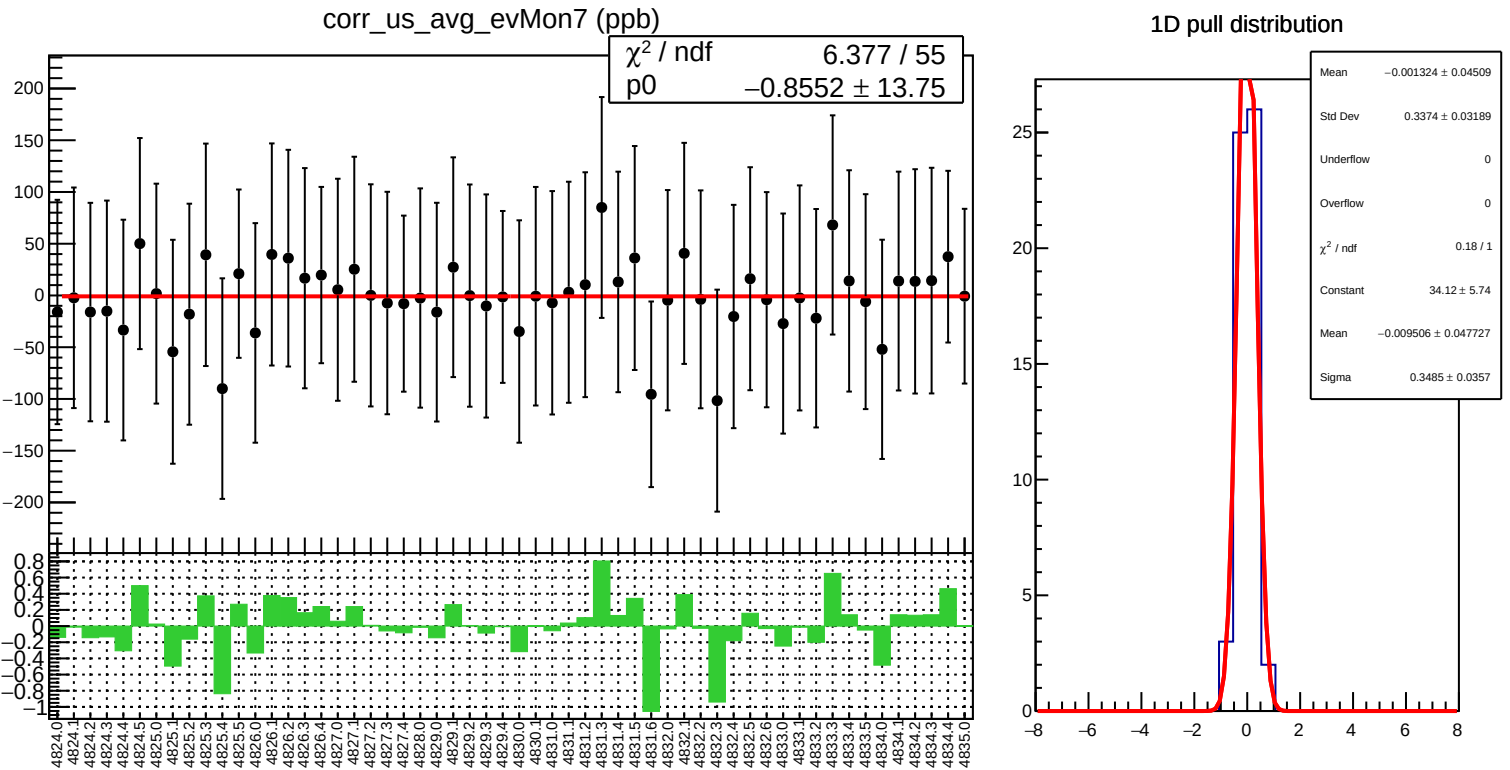

corr_us_avg_evMon5 (ppb)
χ² / ndf 83.02 / 55
p0 −20.72 ± 8.751
200
100
0
−100
−200
3
2
1
0
−1
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

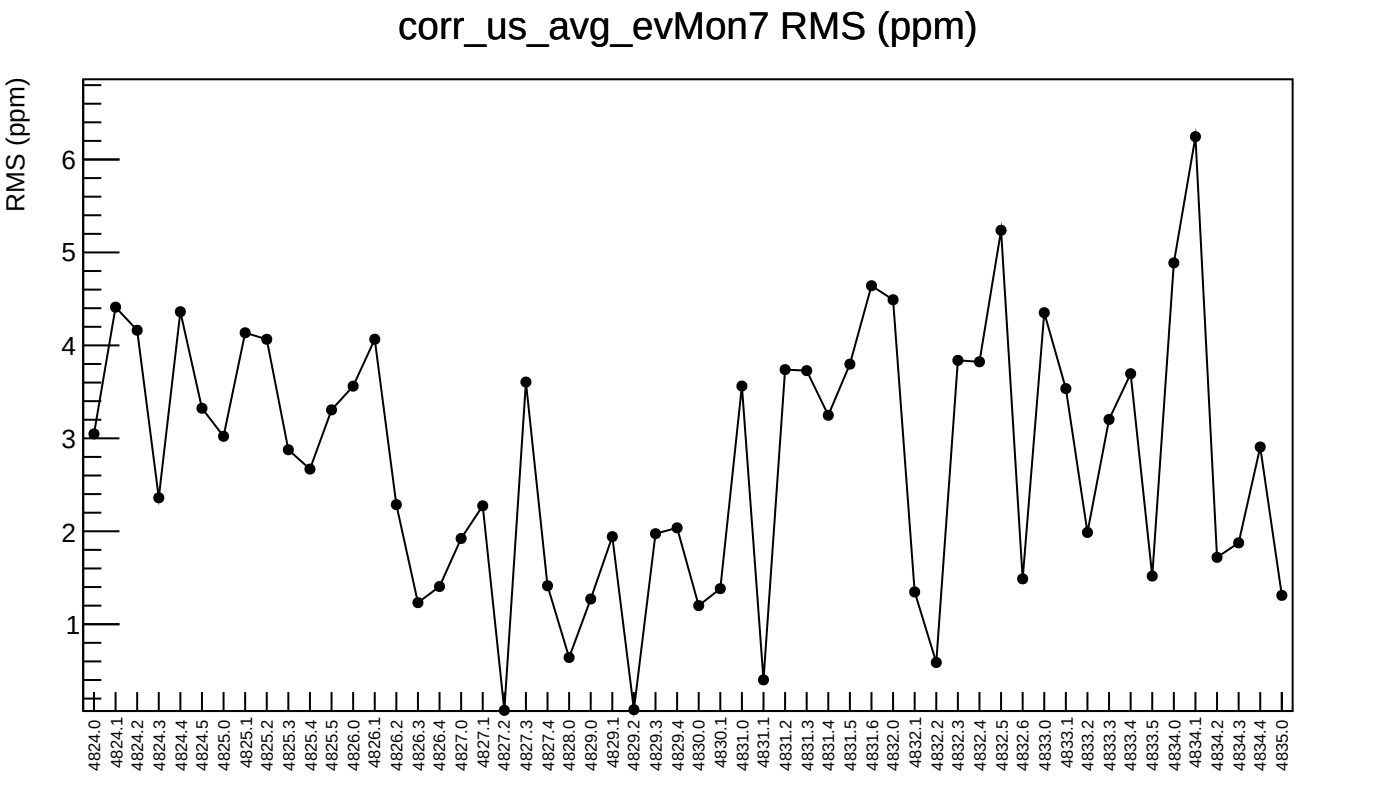

1D pull distribution
Mean 0.01578 ± 0.1627
Std Dev 1.217 ± 0.115
Underflow 0
Overflow 0
χ² / ndf 11.37 / 8
Constant 7.164 ± 1.452
Mean 0.08324 ± 0.22902
Sigma 1.37 ± 0.23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

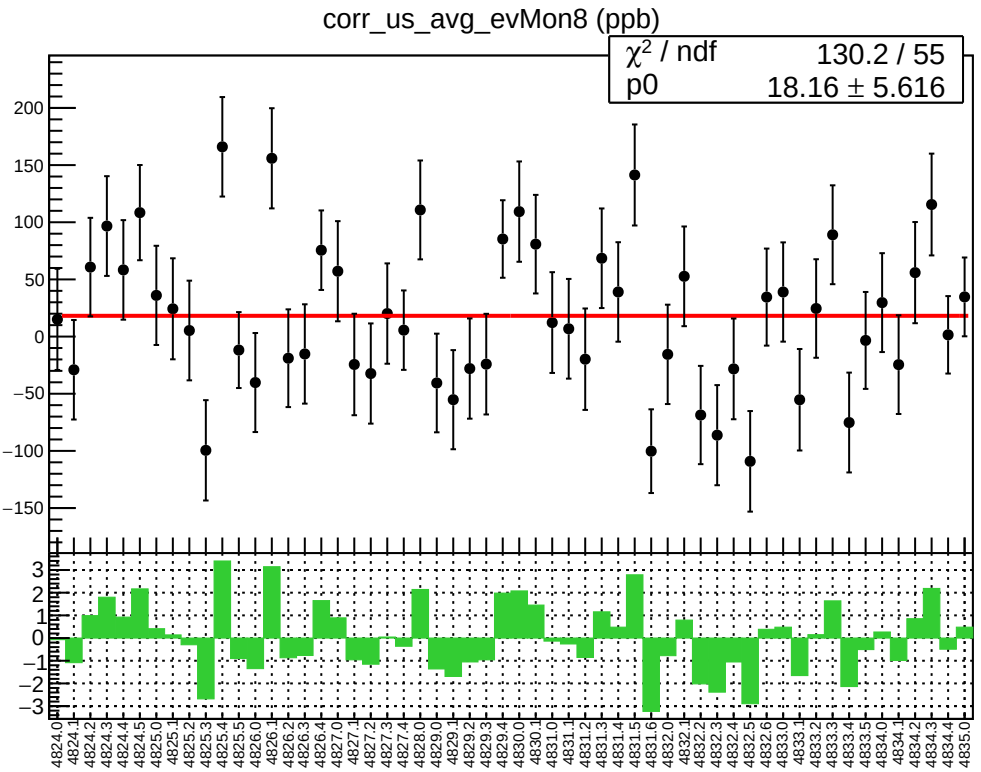

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

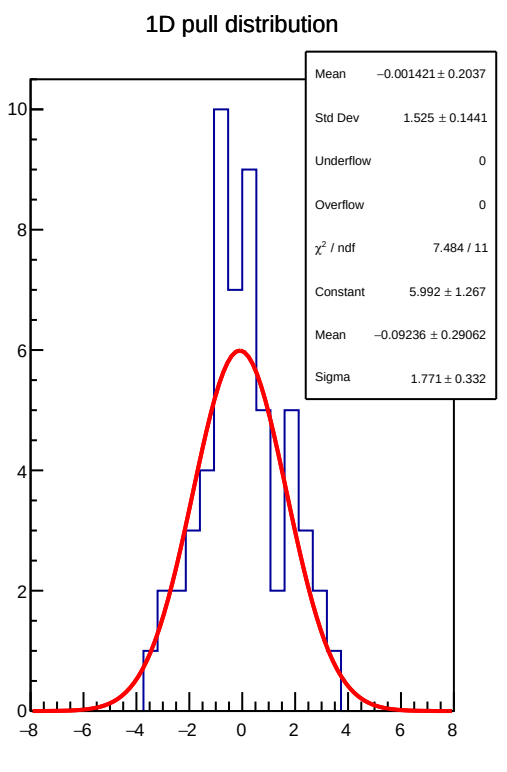

corr_us_avg_evMon6 (ppb)
χ² / ndf 117.3 / 55
p0 5.652 ± 12.02
1D pull distribution
Mean 0.0113 ± 0.1934
Std Dev 1.447 ± 0.1368
Underflow 0
Overflow 0
χ² / ndf 8.093 / 10
Constant 6.36 ± 1.19
Mean −0.1124 ± 0.2813
Sigma 1.705 ± 0.261

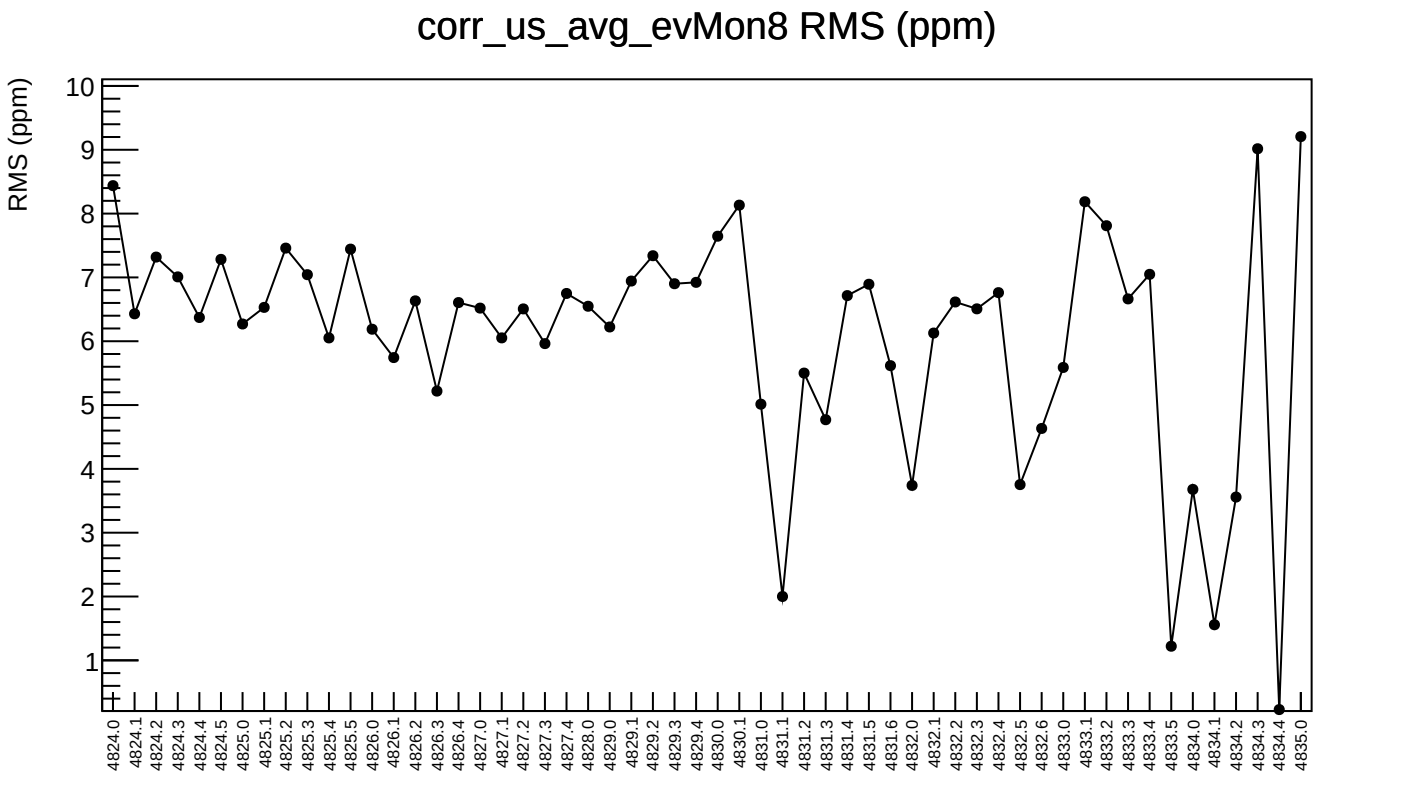

corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
10
8
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

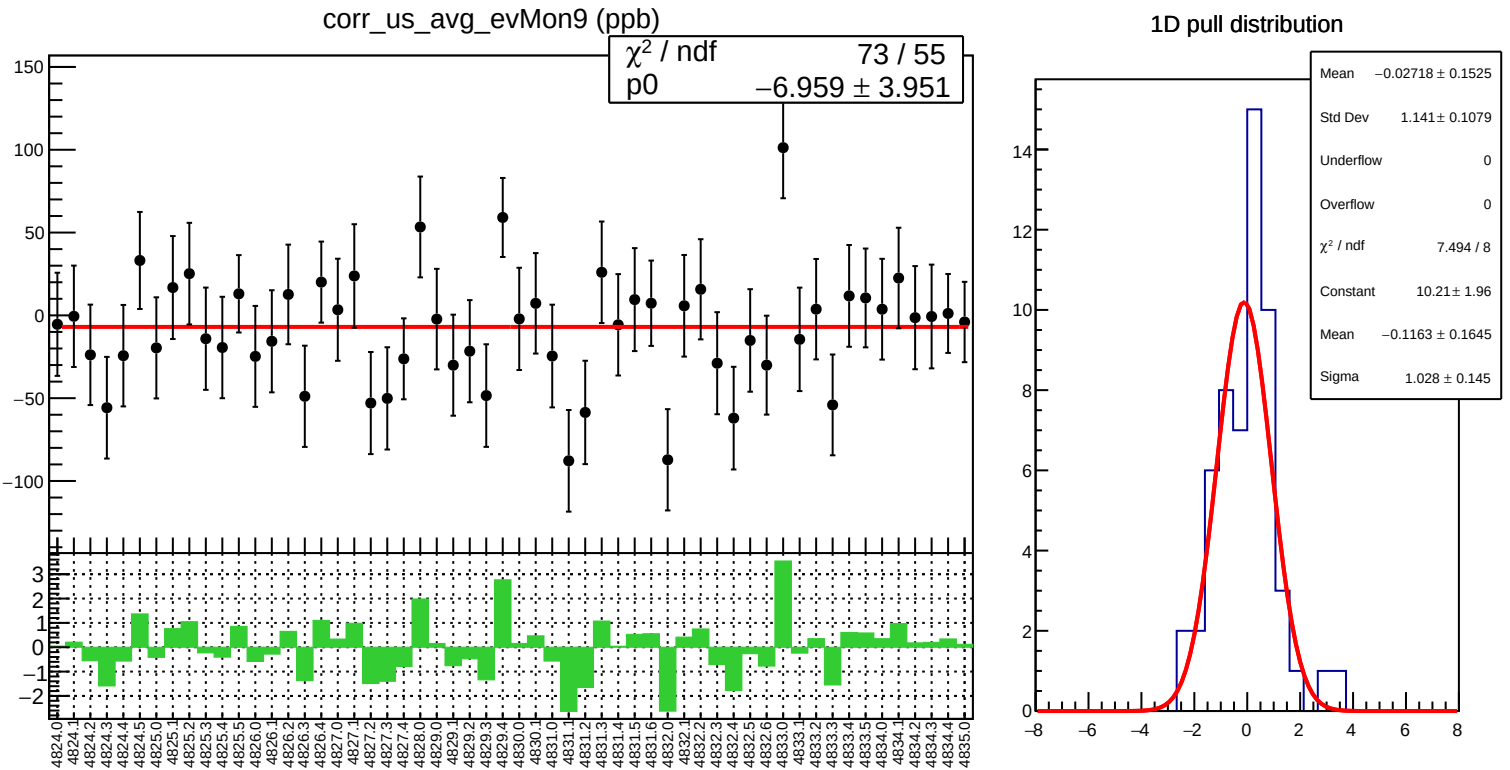

corr_us_avg_evMon7 (ppb)
χ² / ndf 6.377 / 55
p0 −0.8552 ± 13.75
1D pull distribution
Mean −0.001324 ± 0.04509
Std Dev 0.3374 ± 0.03189
Underflow 0
Overflow 0
χ² / ndf 0.18 / 1
Constant 34.12 ± 5.74
Mean −0.009506 ± 0.047727
Sigma 0.3485 ± 0.0357

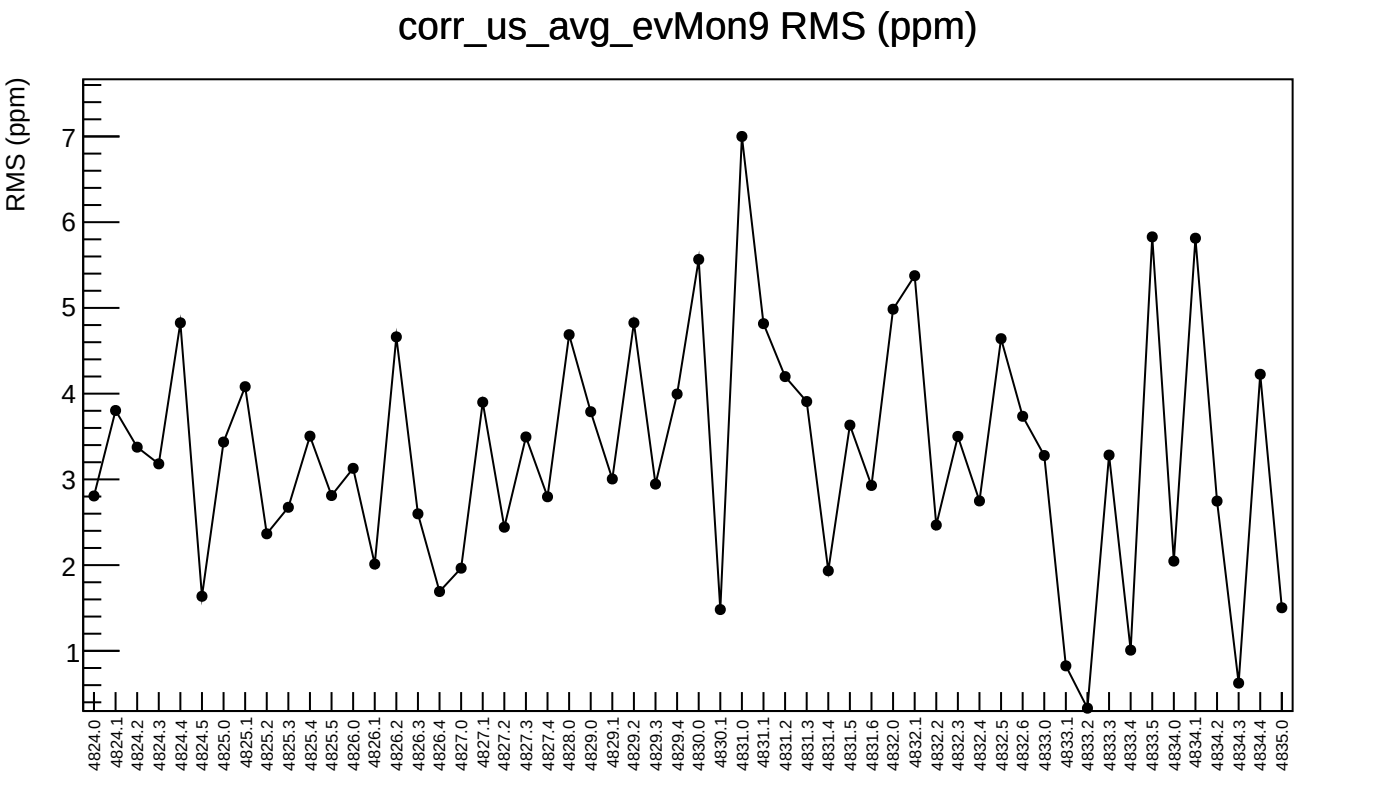

corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

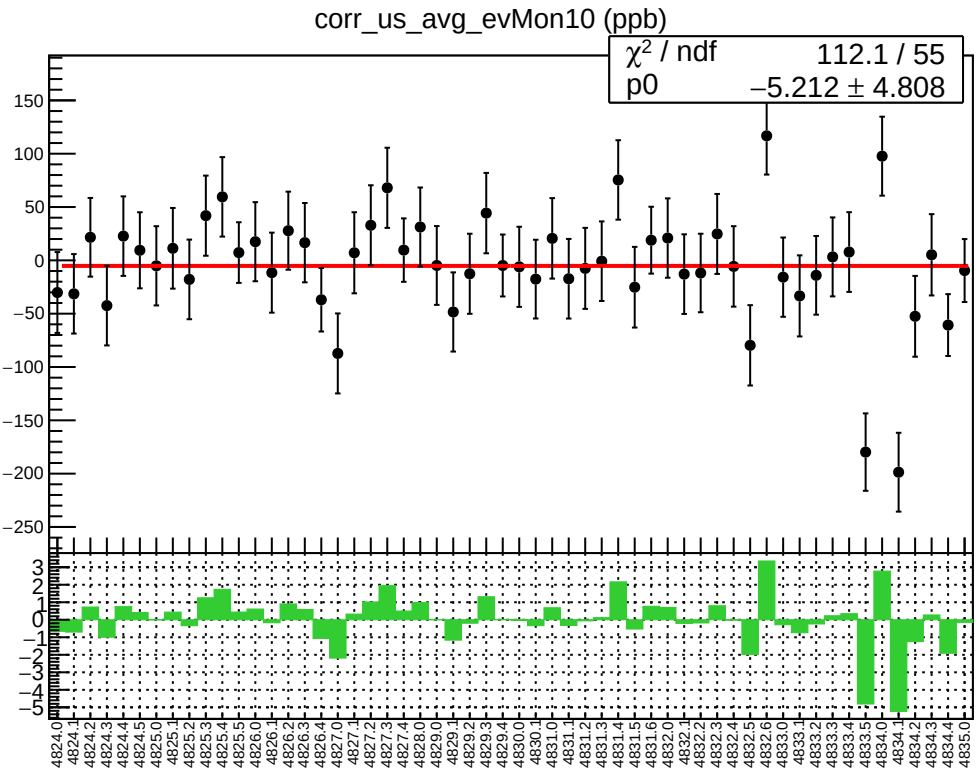

corr_us_avg_evMon8 (ppb)
χ² / ndf 130.2 / 55
p0 18.16 ± 5.616

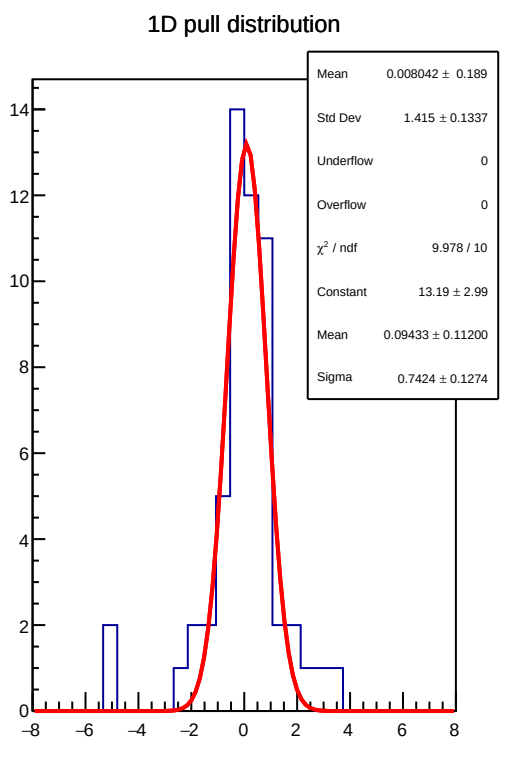

1D pull distribution
Mean −0.001421 ± 0.2037
Std Dev 1.525 ± 0.1441
Underflow 0
Overflow 0
χ² / ndf 7.484 / 11
Constant 5.992 ± 1.267
Mean −0.09236 ± 0.29062
Sigma 1.771 ± 0.332

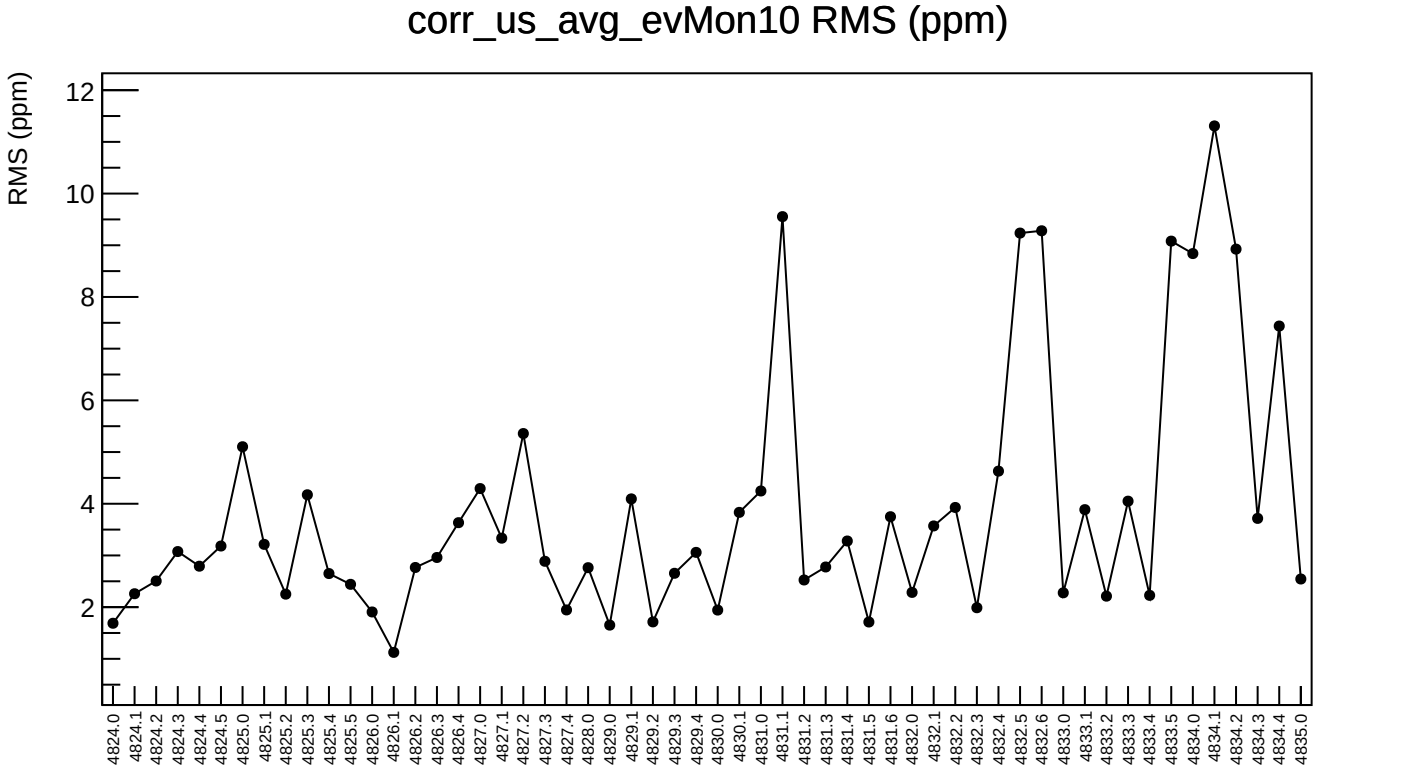

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
2
1
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

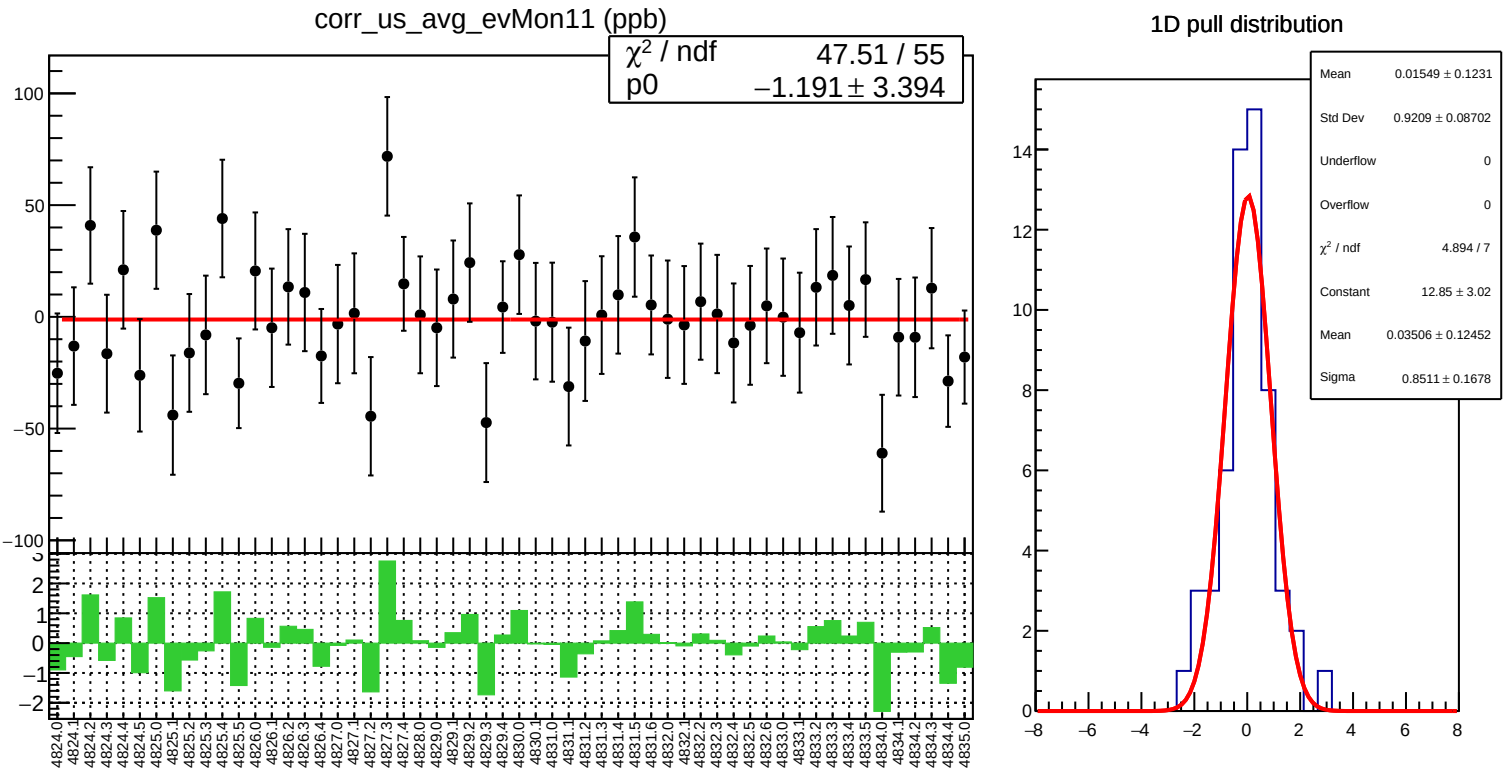

corr_us_avg_evMon9 (ppb)
χ² / ndf 73 / 55
p0 −6.959 ± 3.951
1D pull distribution
Mean −0.02718 ± 0.1525
Std Dev 1.141 ± 0.1079
Underflow 0
Overflow 0
χ² / ndf 7.494 / 8
Constant 10.21 ± 1.96
Mean −0.1163 ± 0.1645
Sigma 1.028 ± 0.145

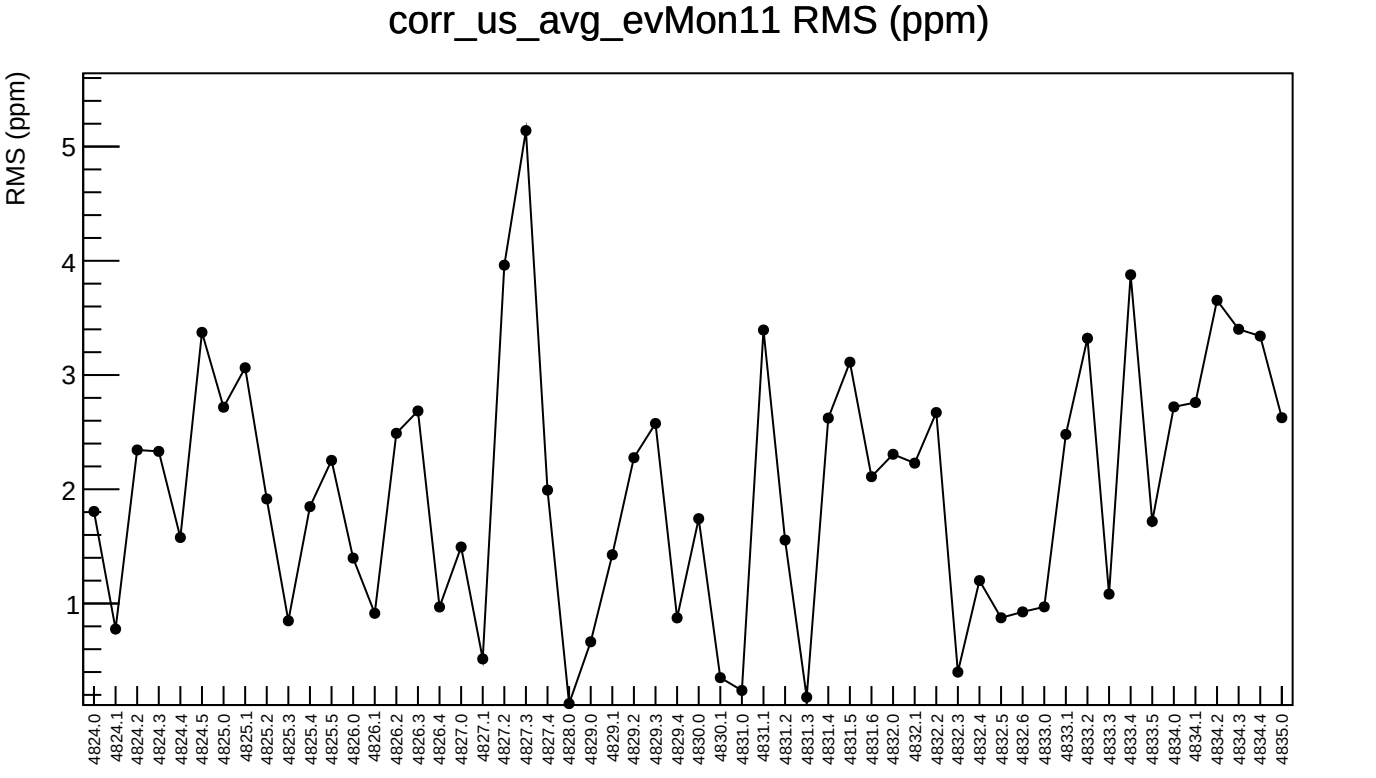

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

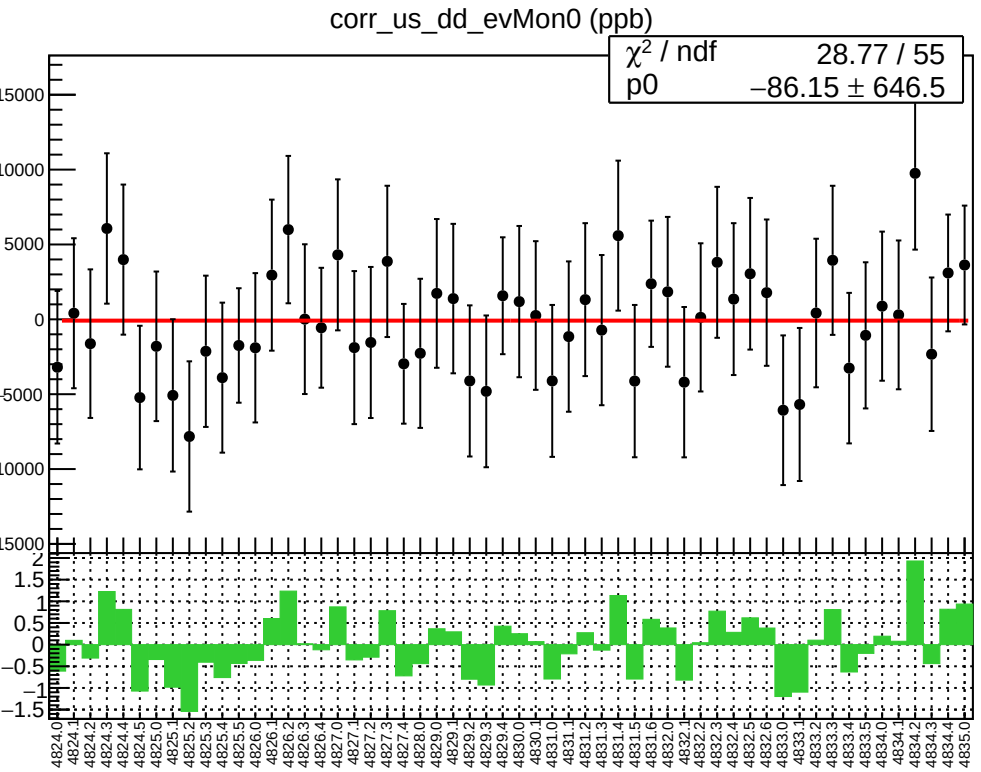

corr_us_avg_evMon10 (ppb)
χ² / ndf 112.1 / 55
p0 −5.212 ± 4.808

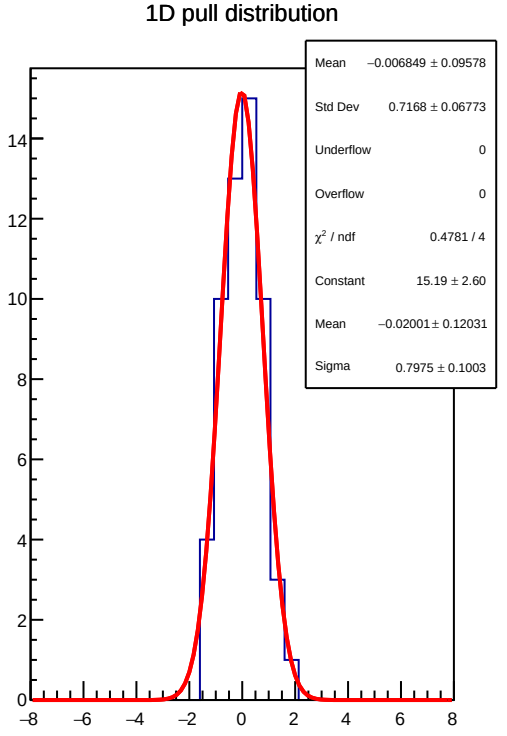

1D pull distribution
Mean 0.008042 ± 0.189
Std Dev 1.415 ± 0.1337
Underflow 0
Overflow 0
χ² / ndf 9.978 / 10
Constant 13.19 ± 2.99
Mean 0.09433 ± 0.11200
Sigma 0.7424 ± 0.1274

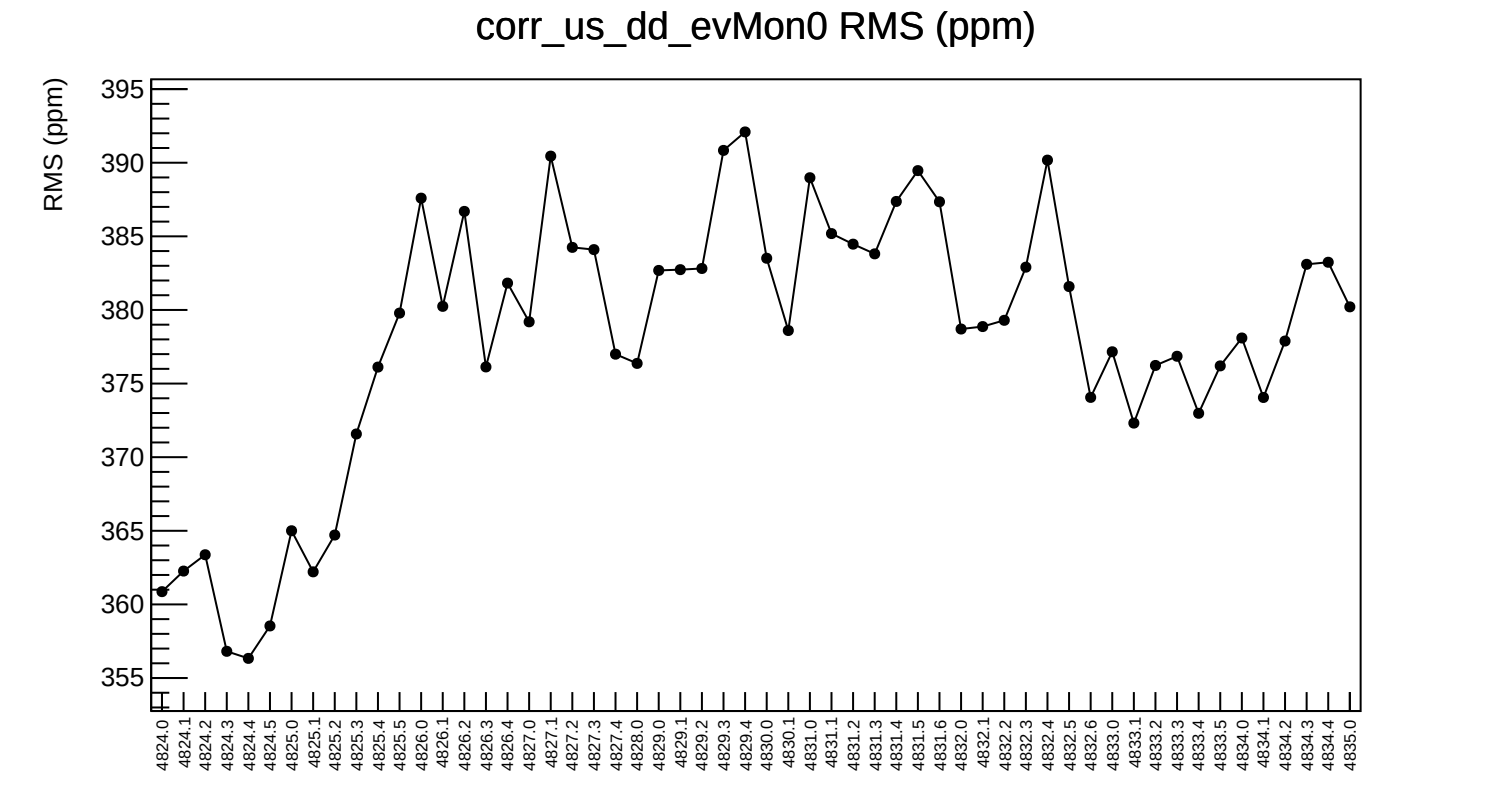

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
12
10
8
6
4
2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

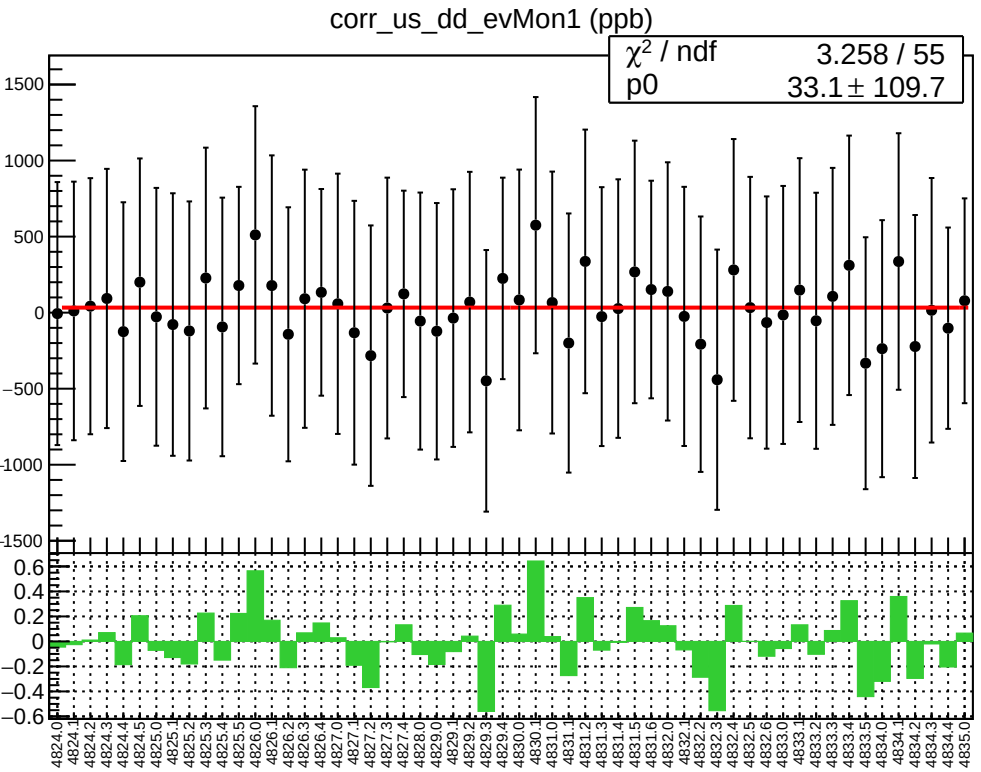

corr_us_avg_evMon11 (ppb)
χ² / ndf 47.51 / 55
p0 −1.191 ± 3.394
1D pull distribution
Mean 0.01549 ± 0.1231
Std Dev 0.9209 ± 0.08702
Underflow 0
Overflow 0
χ² / ndf 4.894 / 7
Constant 12.85 ± 3.02
Mean 0.03506 ± 0.12452
Sigma 0.8511 ± 0.1678

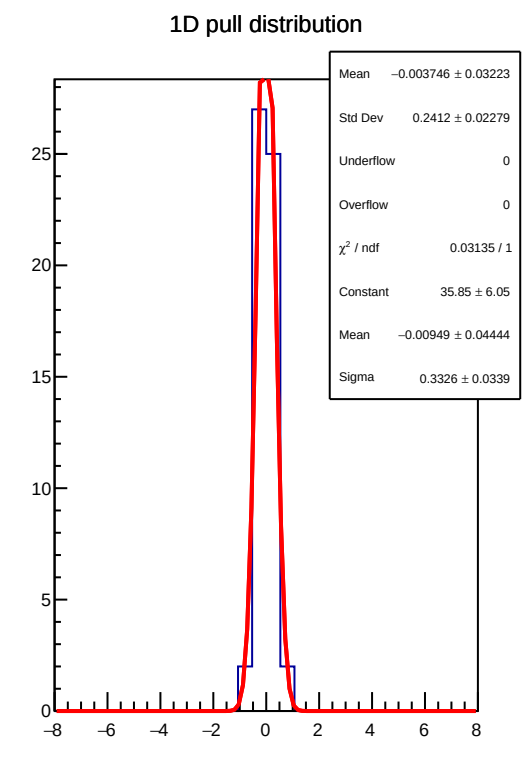

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

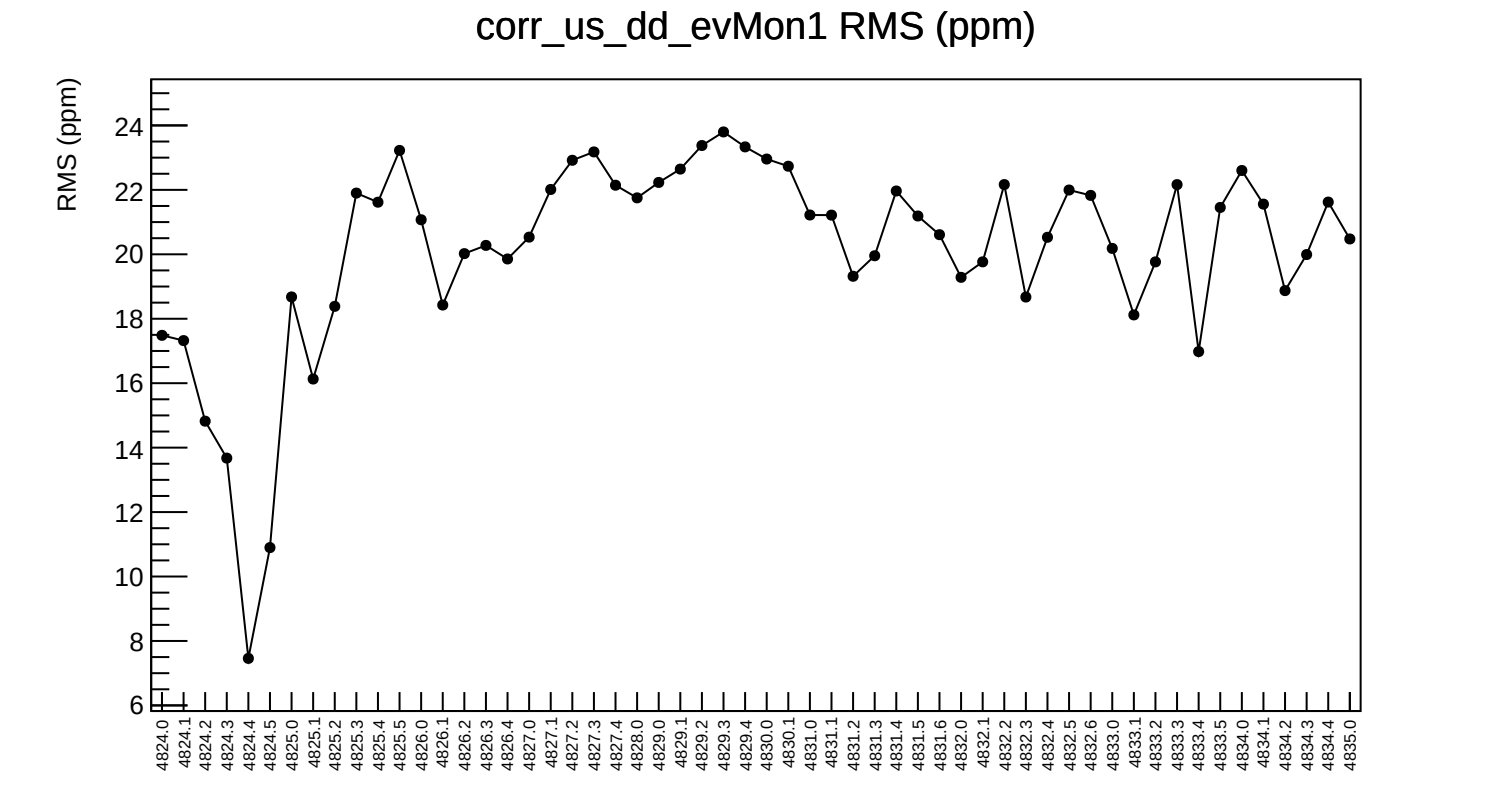

corr_us_dd_evMon0 (ppb)
χ² / ndf 28.77 / 55
p0 −86.15 ± 646.5
15000
10000
5000
0
−5000
−10000
−15000
2
1.5
1
0.5
0
−0.5
−1
−1.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

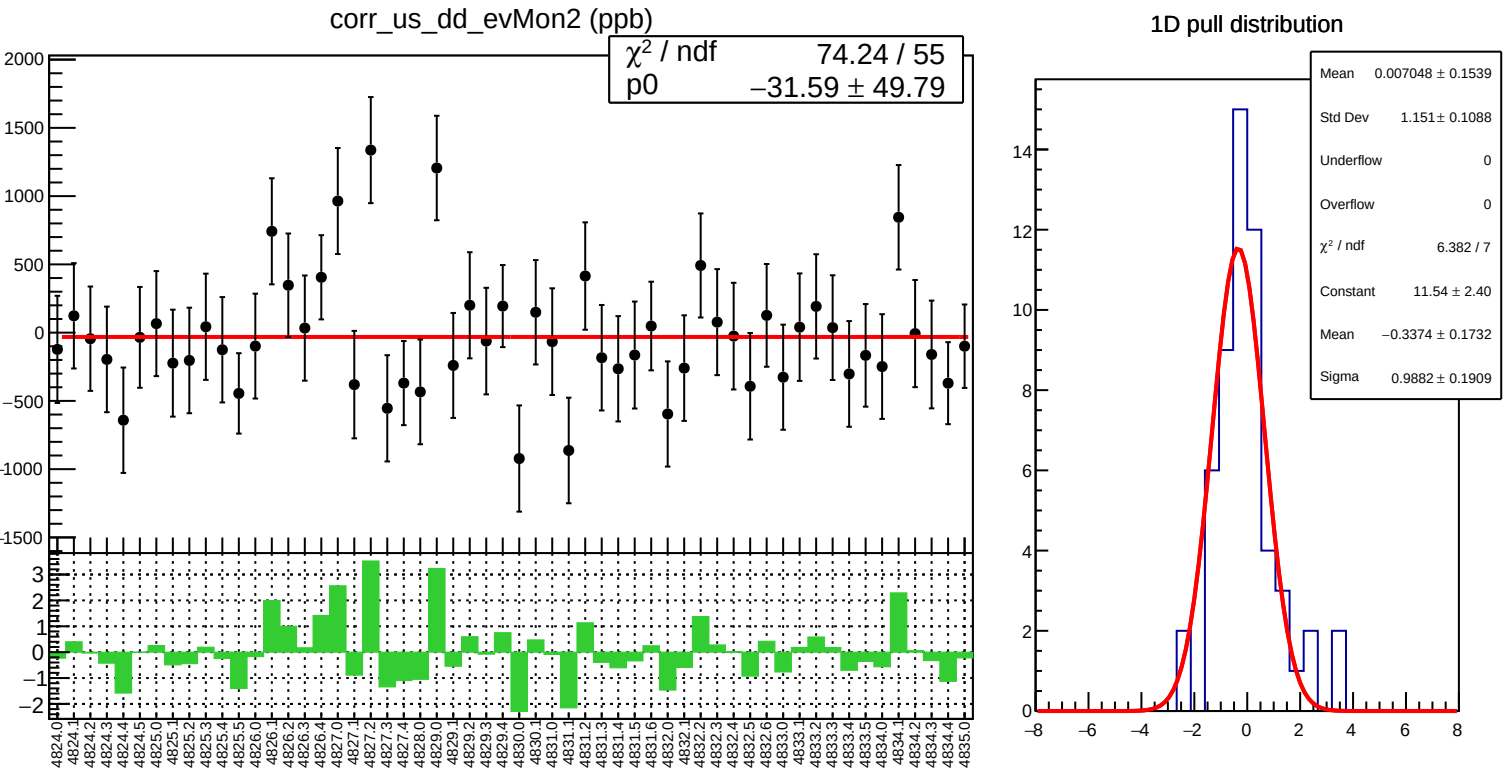

1D pull distribution
Mean −0.006849 ± 0.09578
Std Dev 0.7168 ± 0.06773
Underflow 0
Overflow 0
χ² / ndf 0.4781 / 4
Constant 15.19 ± 2.60
Mean −0.02001 ± 0.12031
Sigma 0.7975 ± 0.1003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

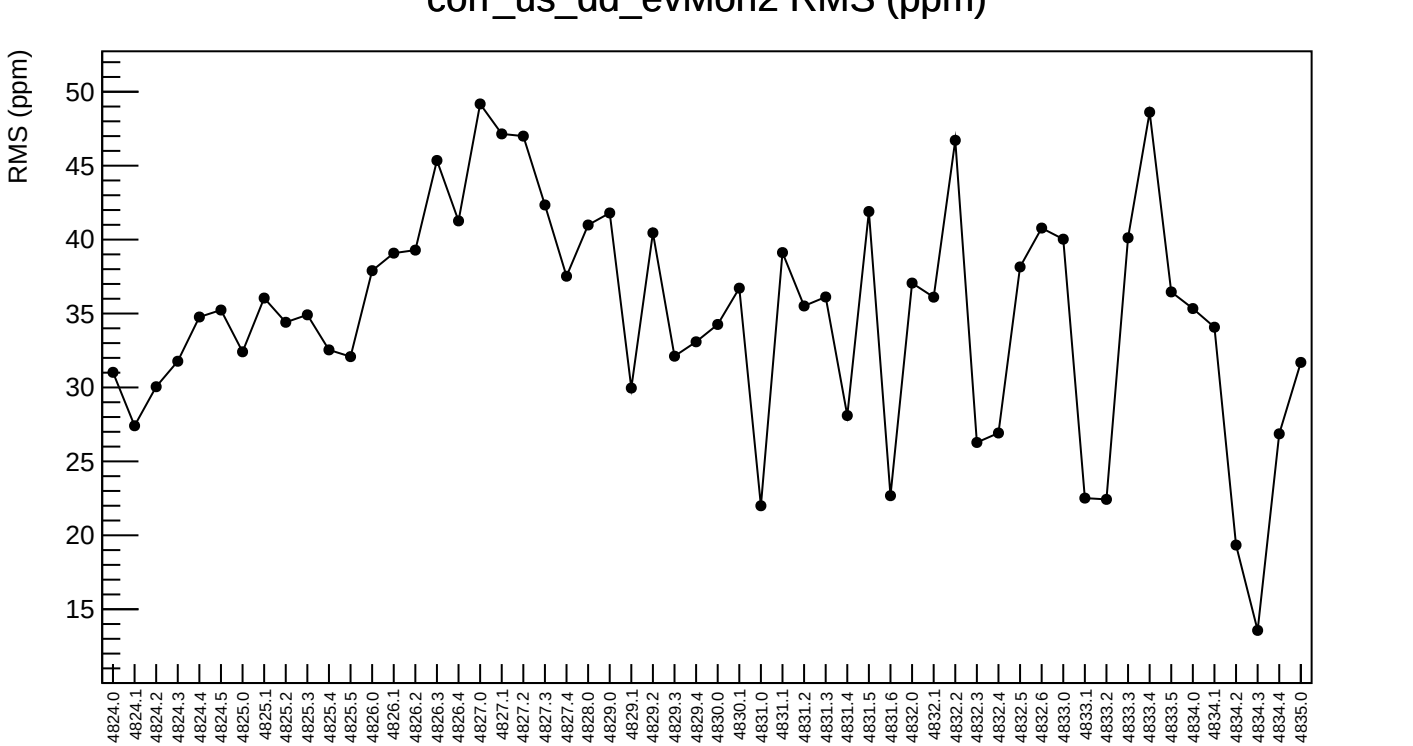

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
395
390
385
380
375
370
365
360
355
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

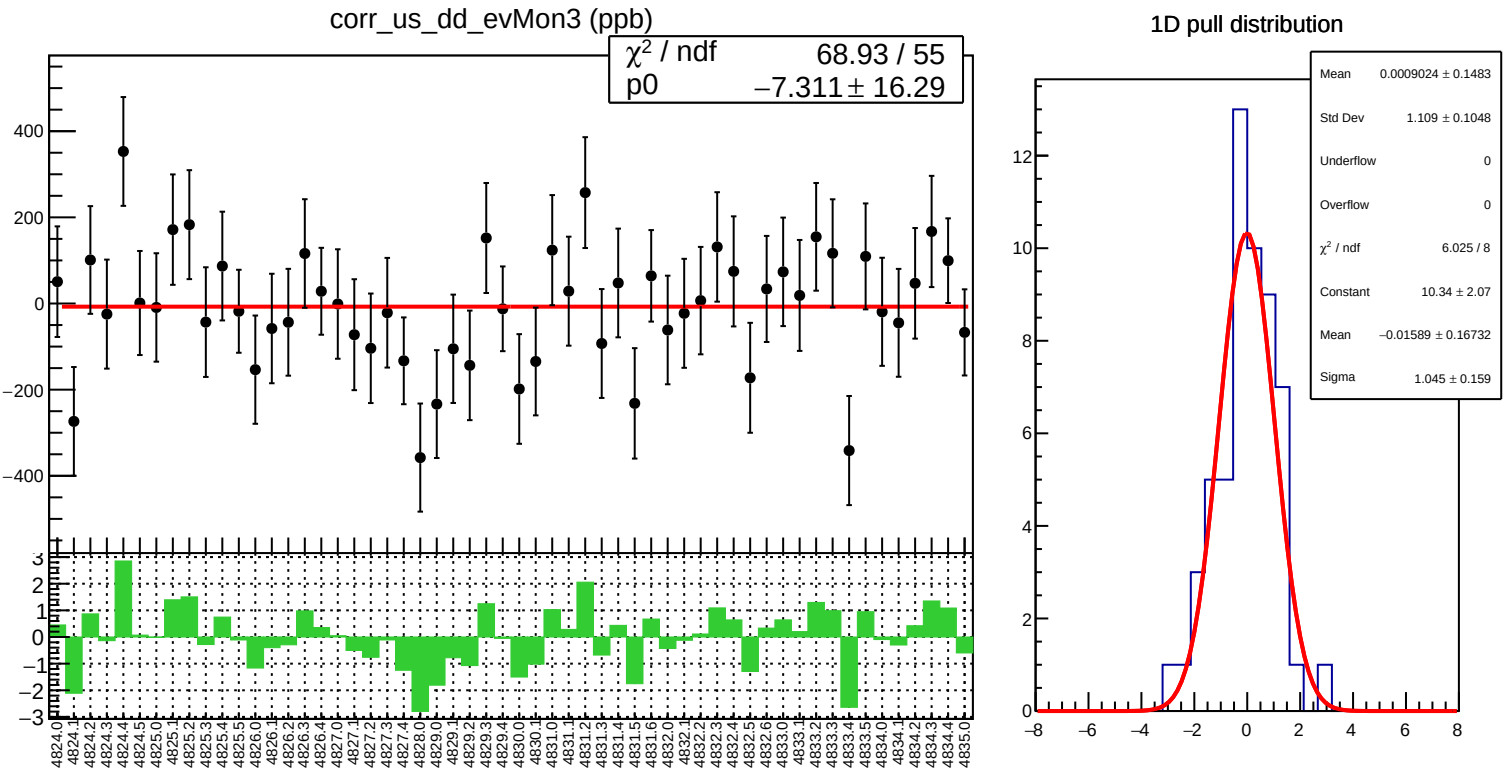

corr_us_dd_evMon1 (ppb)
χ² / ndf 3.258 / 55
p0 33.1 ± 109.7

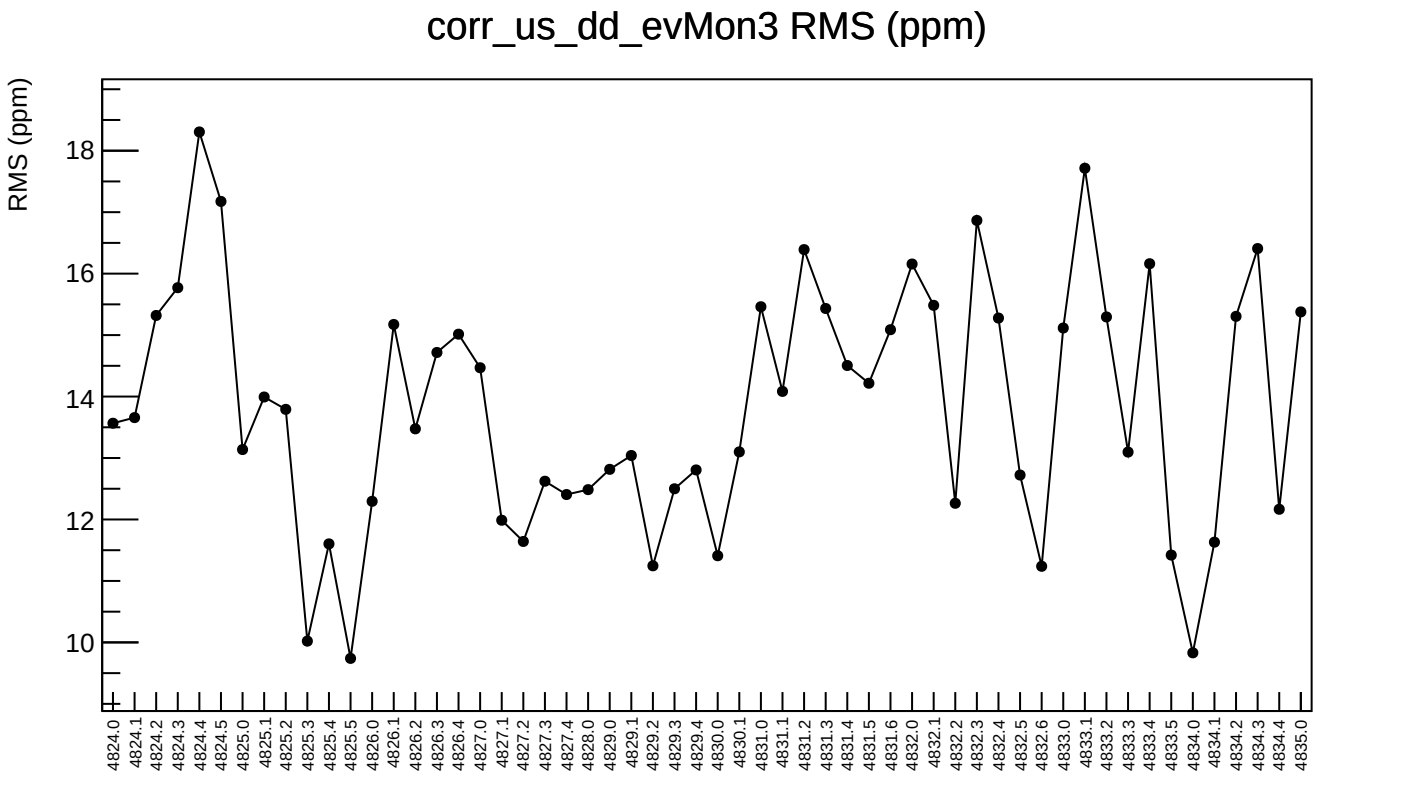

1D pull distribution
Mean −0.003746 ± 0.03223
Std Dev 0.2412 ± 0.02279
Underflow 0
Overflow 0
χ² / ndf 0.03135 / 1
Constant 35.85 ± 6.05
Mean −0.00949 ± 0.04444
Sigma 0.3326 ± 0.0339

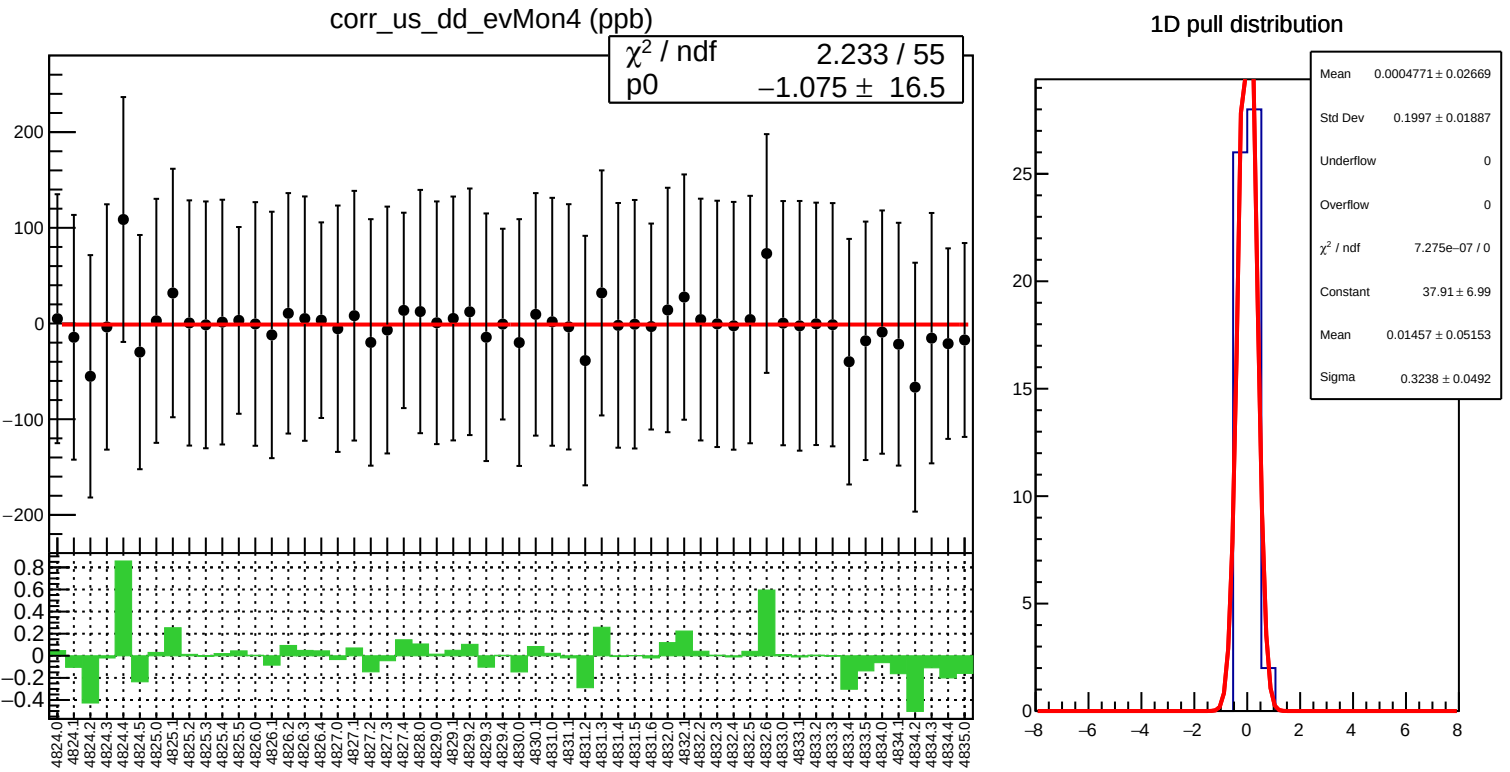

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
6
8
10
12
14
16
18
20
22
24
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

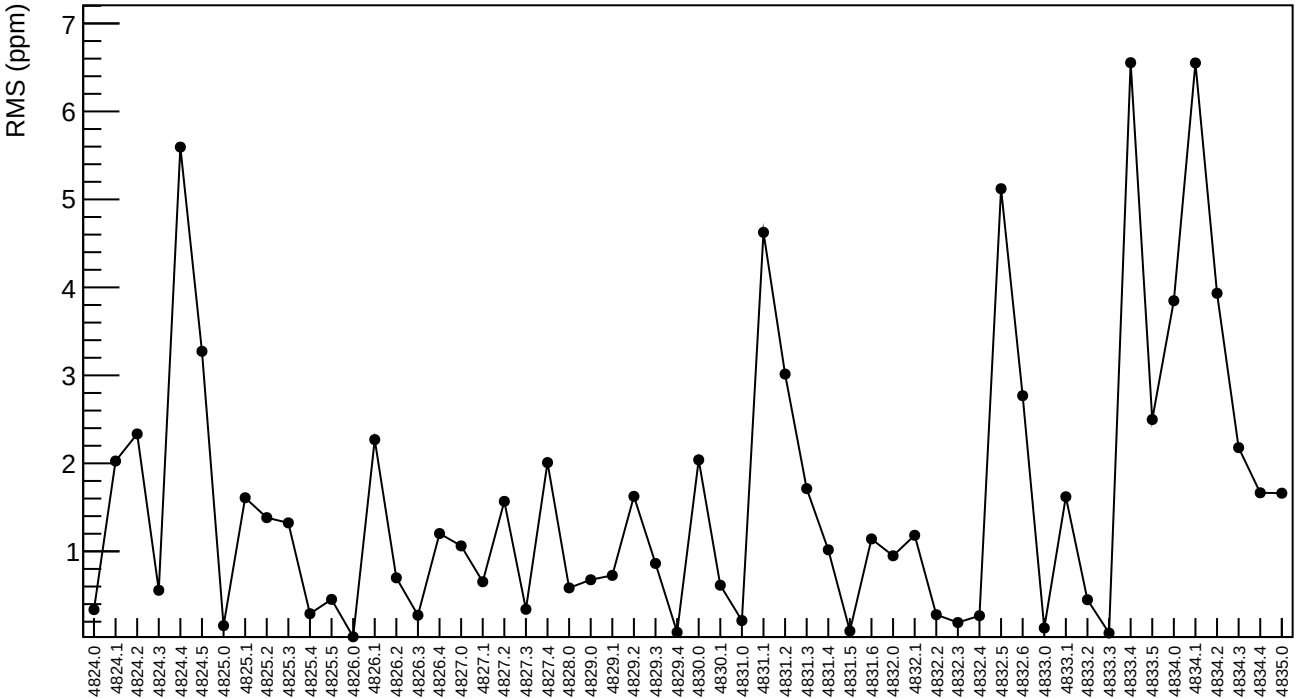

corr_us_dd_evMon2 (ppb)
χ² / ndf 74.24 / 55
p0 −31.59 ± 49.79
1D pull distribution
Mean 0.007048 ± 0.1539
Std Dev 1.151 ± 0.1088
Underflow 0
Overflow 0
χ² / ndf 6.382 / 7
Constant 11.54 ± 2.40
Mean −0.3374 ± 0.1732
Sigma 0.9882 ± 0.1909

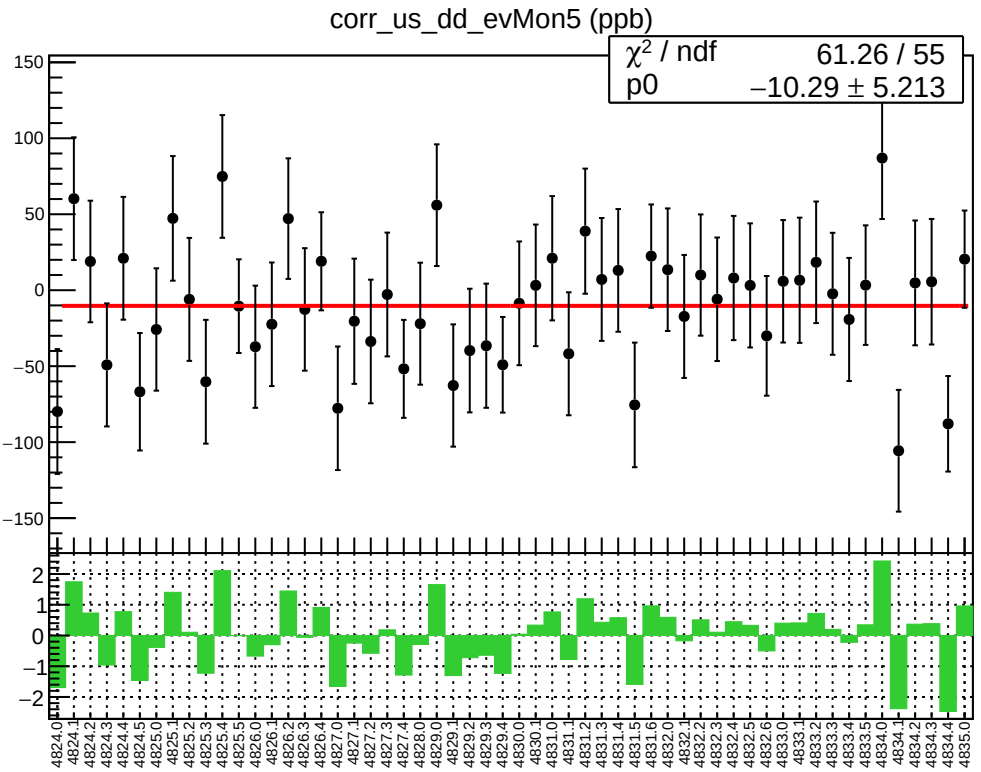

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
50
45
40
35
30
25
20
15
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

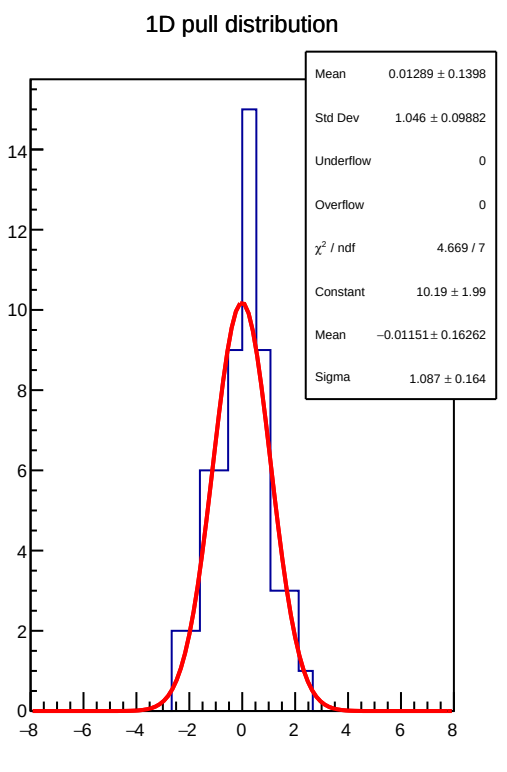

corr_us_dd_evMon3 (ppb)
χ² / ndf 68.93 / 55
p0 −7.311 ± 16.29
1D pull distribution
Mean 0.0009024 ± 0.1483
Std Dev 1.109 ± 0.1048
Underflow 0
Overflow 0
χ² / ndf 6.025 / 8
Constant 10.34 ± 2.07
Mean −0.01589 ± 0.16732
Sigma 1.045 ± 0.159

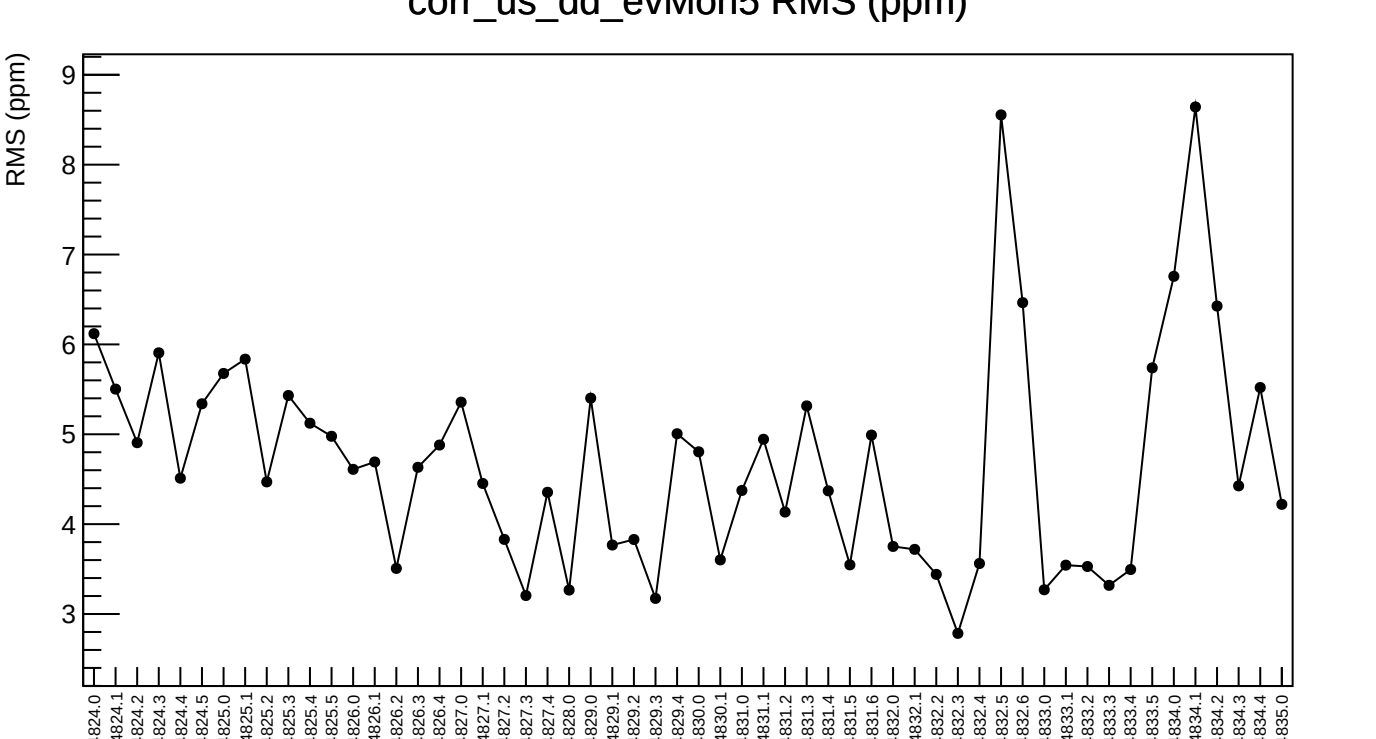

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
18
16
14
12
10
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

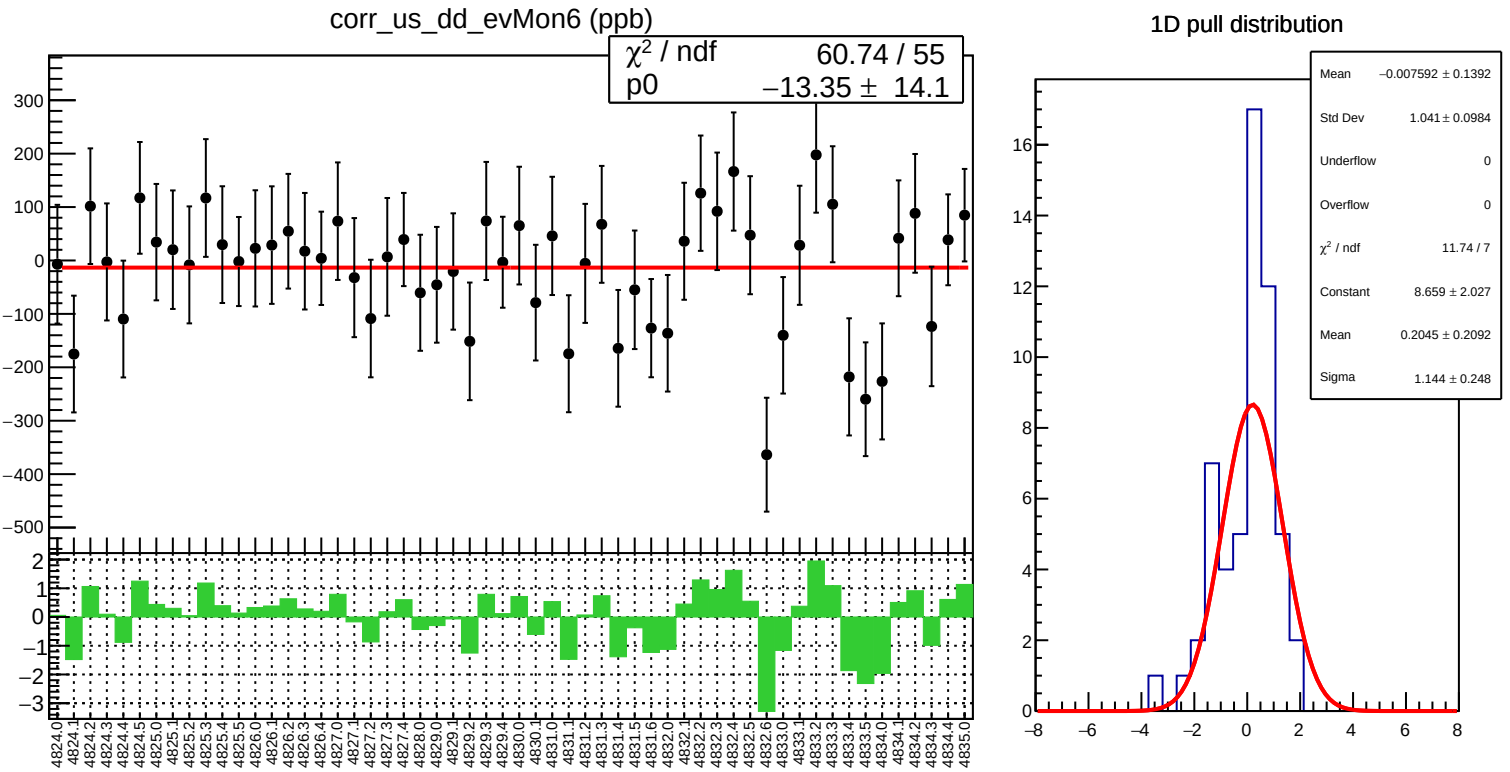

corr_us_dd_evMon4 (ppb)
χ² / ndf 2.233 / 55
p0 −1.075 ± 16.5
200
100
0
−100
−200
0.8
0.6
0.4
0.2
0
−0.2
−0.4
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean 0.0004771 ± 0.02669
Std Dev 0.1997 ± 0.01887
Underflow 0
Overflow 0
χ² / ndf 7.275e−07 / 0
Constant 37.91 ± 6.99
Mean 0.01457 ± 0.05153
Sigma 0.3238 ± 0.0492
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

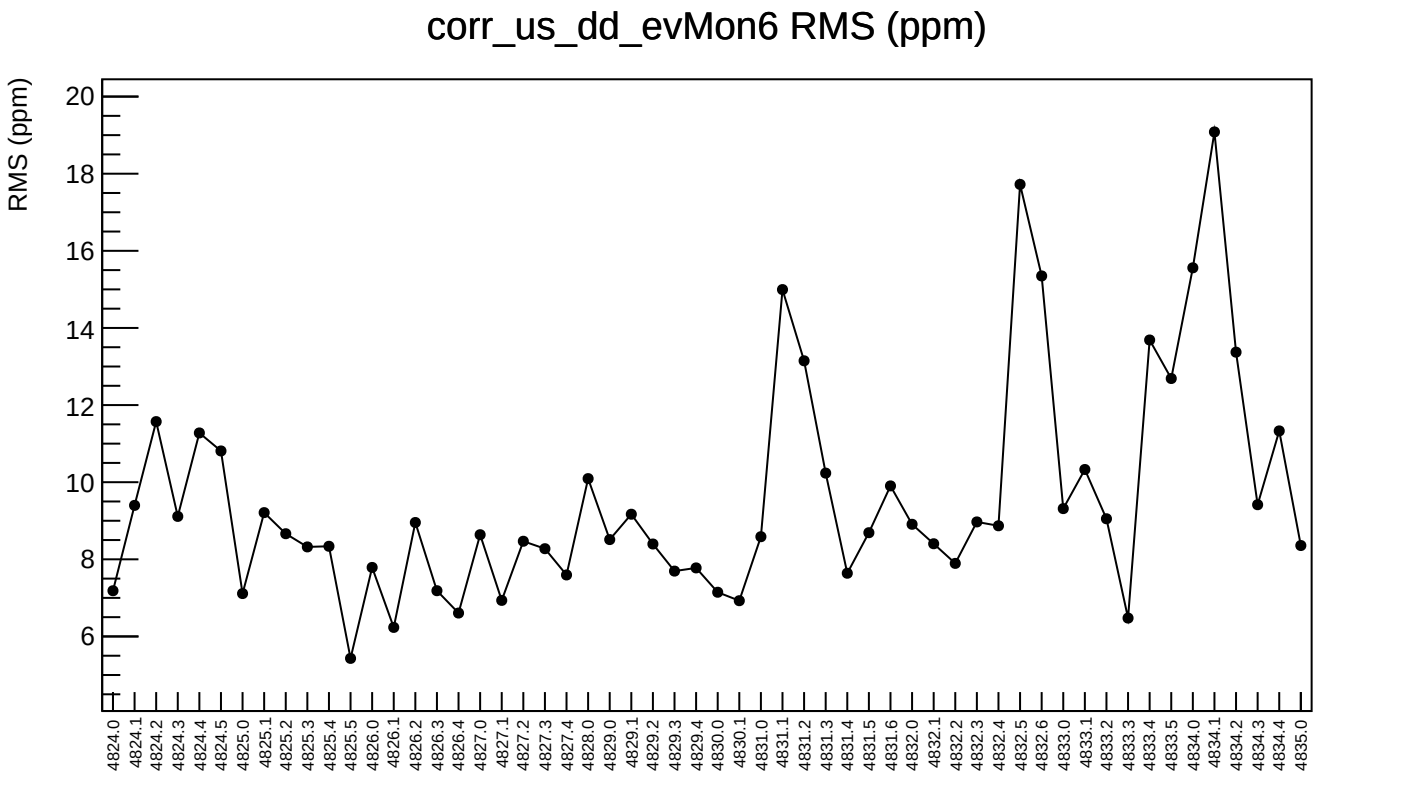

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

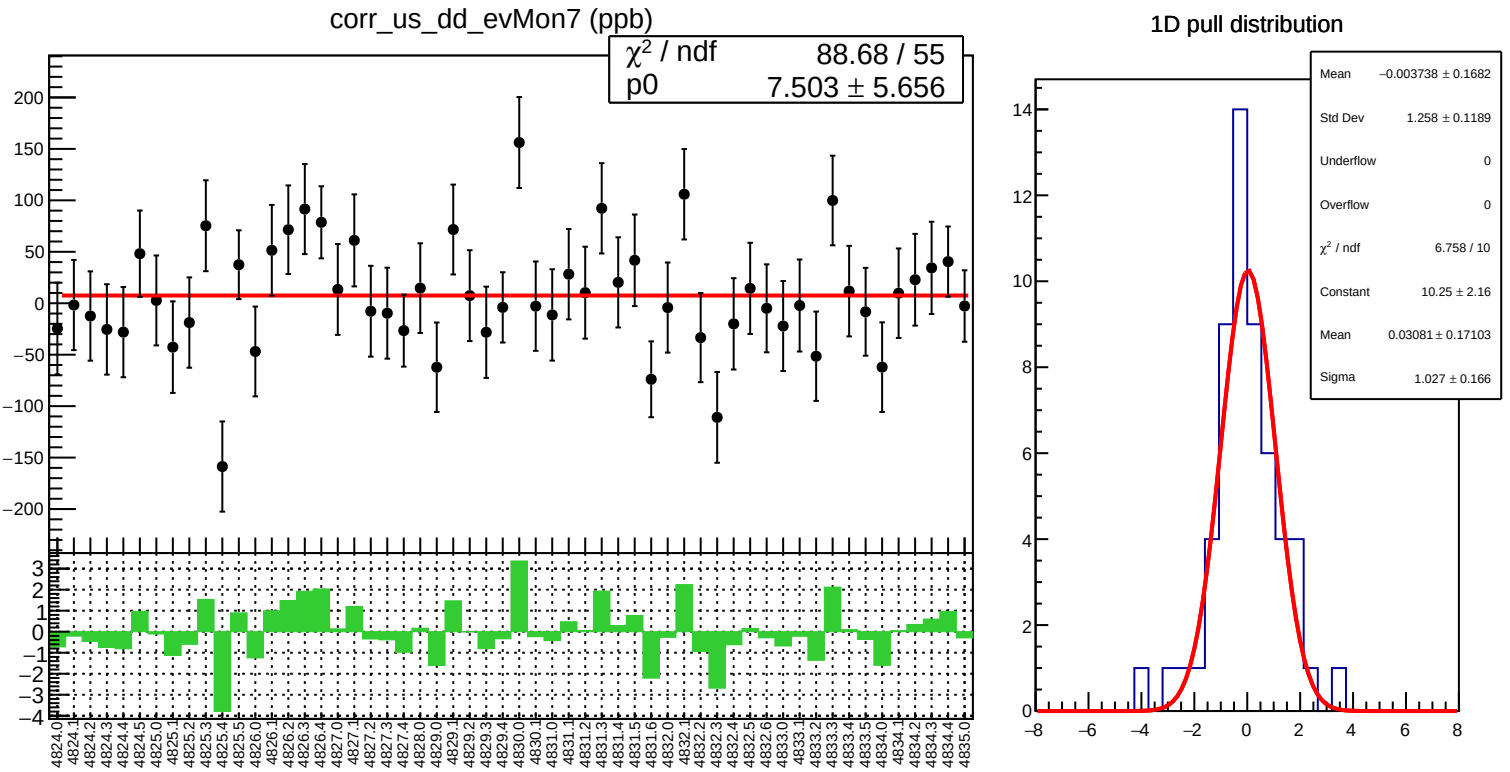

corr_us_dd_evMon5 (ppb)
χ² / ndf 61.26 / 55
p0 −10.29 ± 5.213
150
100
50
0
−50
−100
−150
2
1
0
−1
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

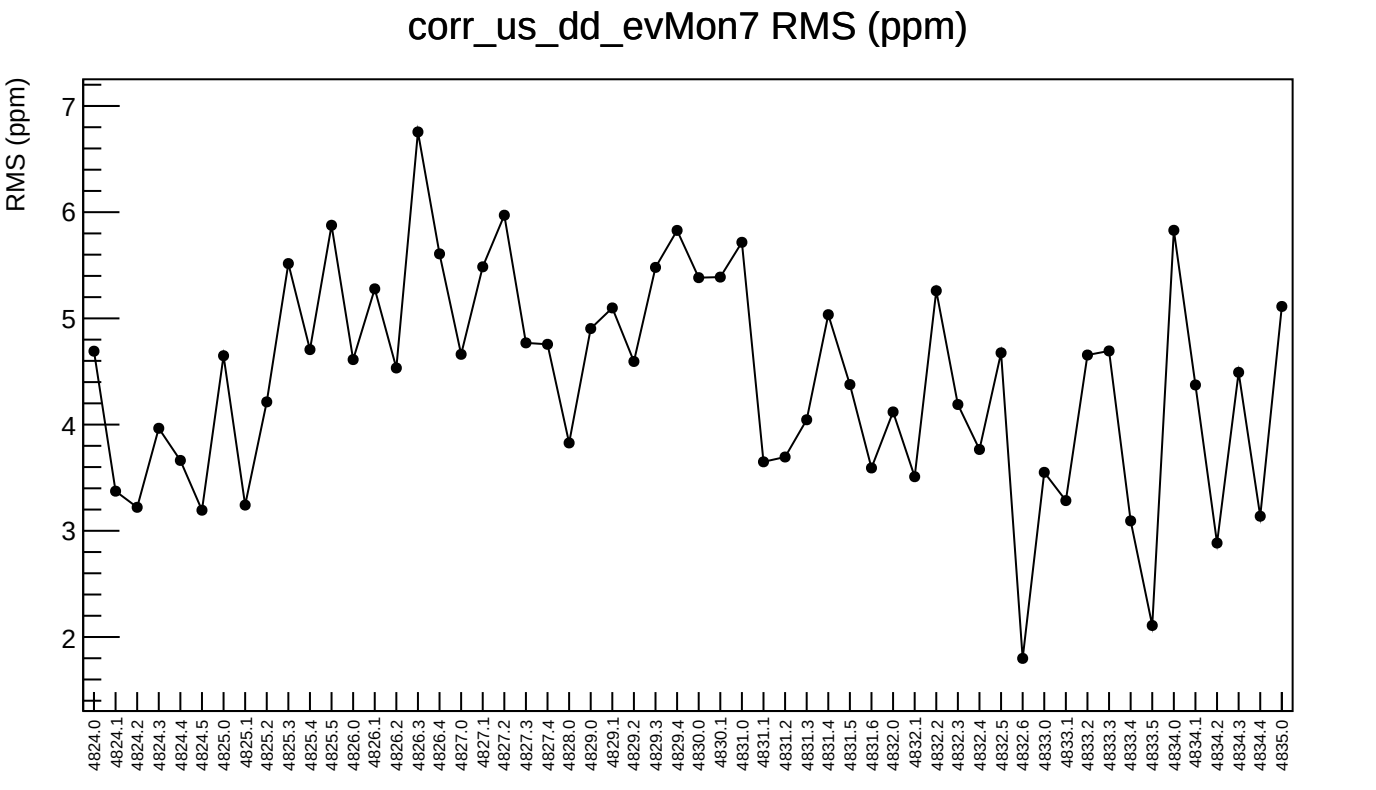

1D pull distribution
Mean 0.01289 ± 0.1398
Std Dev 1.046 ± 0.09882
Underflow 0
Overflow 0
χ² / ndf 4.669 / 7
Constant 10.19 ± 1.99
Mean −0.01151 ± 0.16262
Sigma 1.087 ± 0.164
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

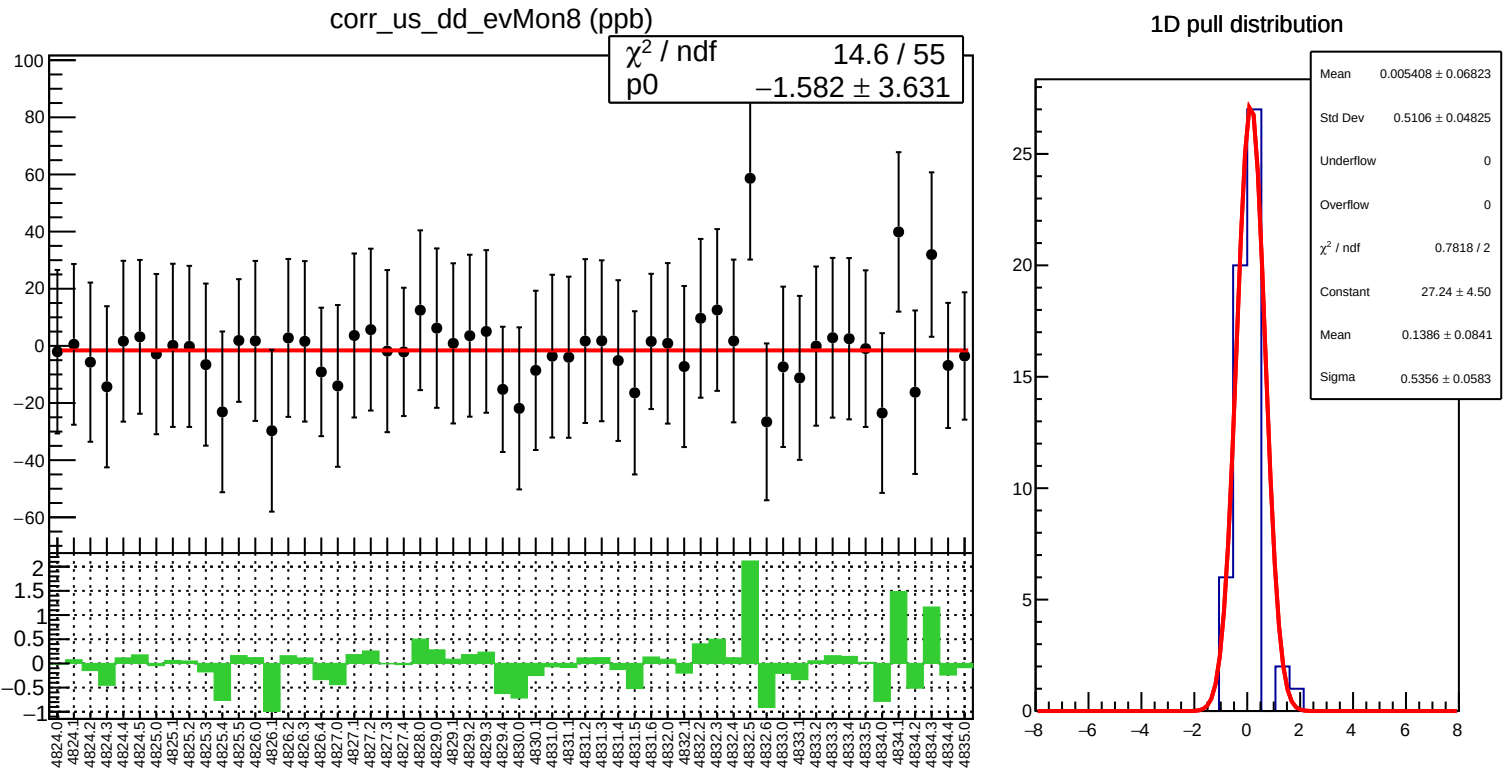

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
9
8
7
6
5
4
3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

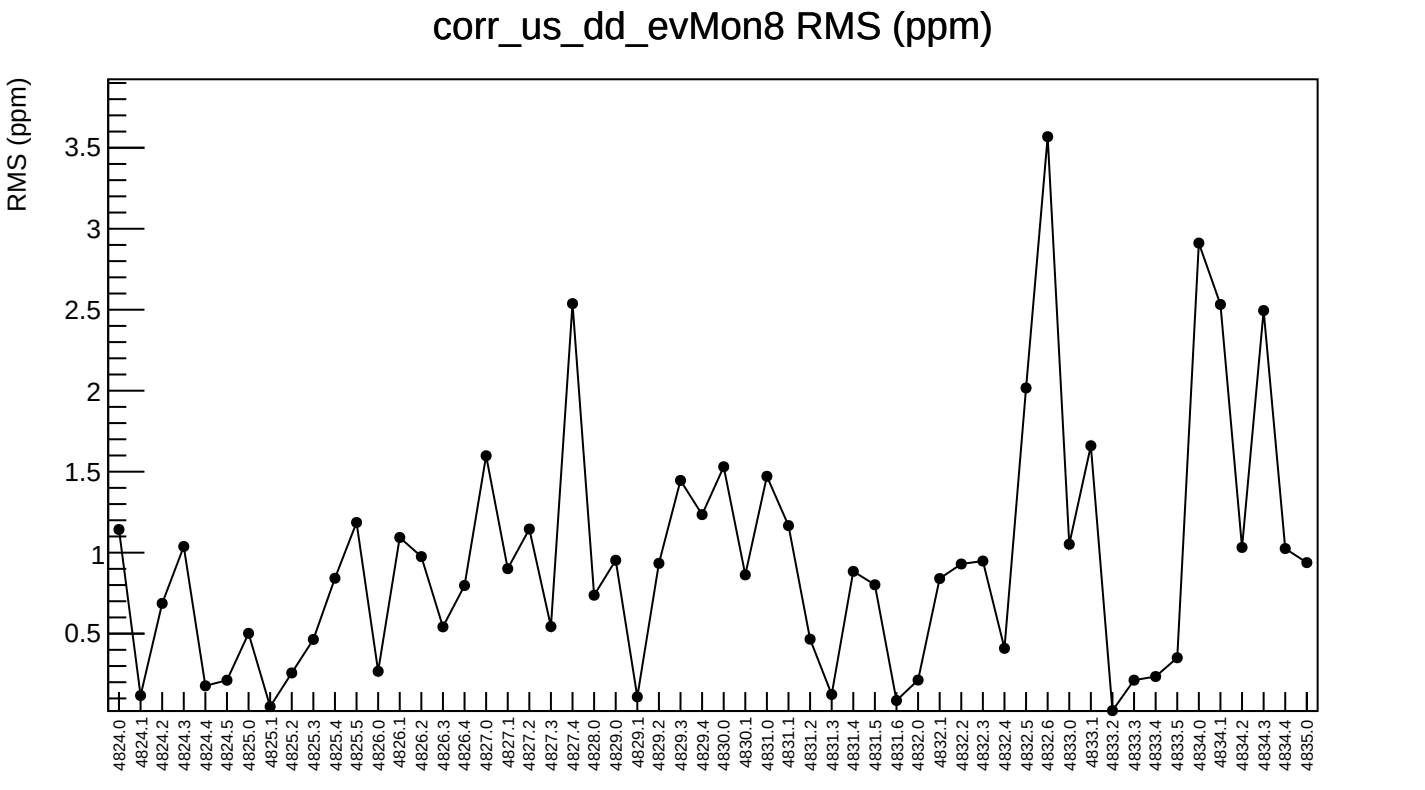

corr_us_dd_evMon6 (ppb)
χ² / ndf 60.74 / 55
p0 −13.35 ± 14.1
1D pull distribution
Mean −0.007592 ± 0.1392
Std Dev 1.041 ± 0.0984
Underflow 0
Overflow 0
χ² / ndf 11.74 / 7
Constant 8.659 ± 2.027
Mean 0.2045 ± 0.2092
Sigma 1.144 ± 0.248

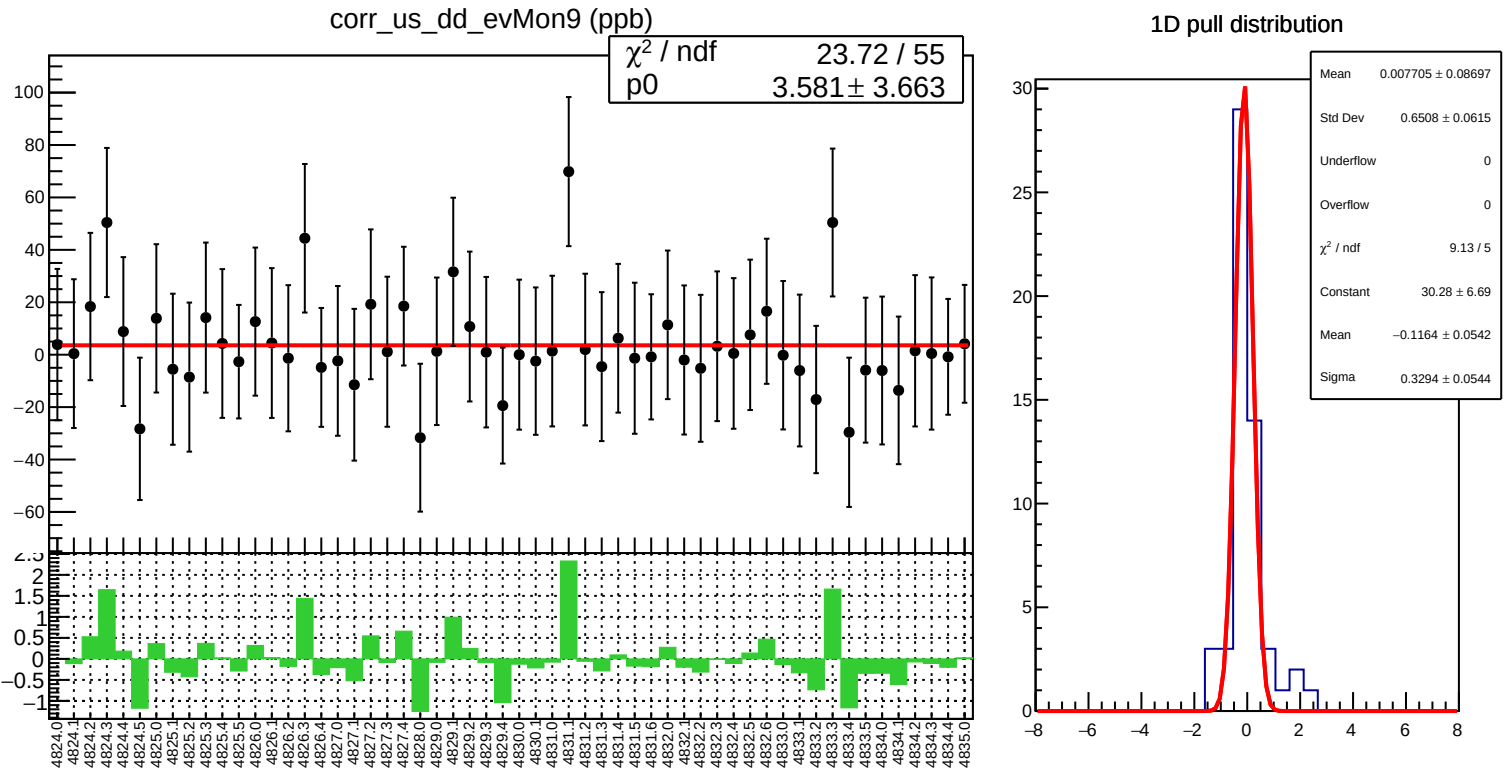

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
20
18
16
14
12
10
8
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

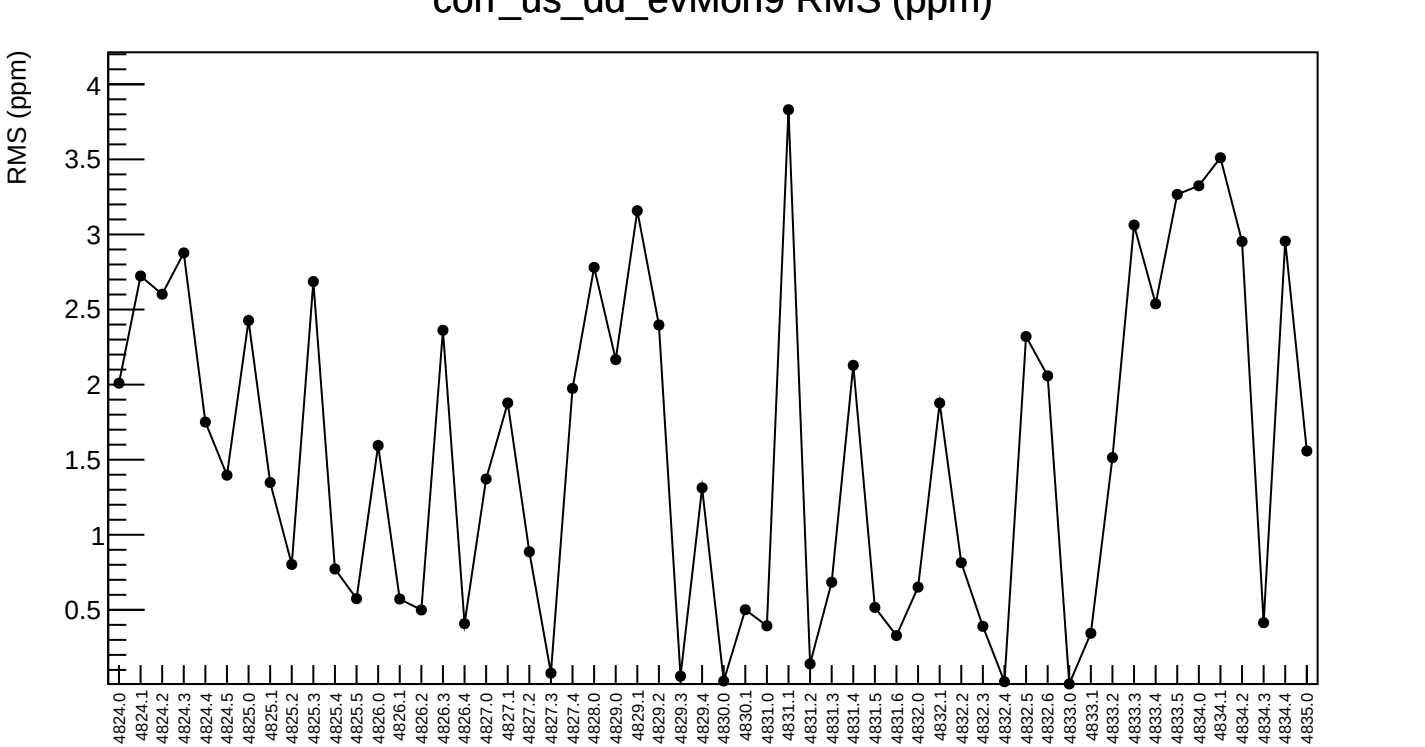

corr_us_dd_evMon7 (ppb)
χ² / ndf 88.68 / 55
p0 7.503 ± 5.656
1D pull distribution
Mean −0.003738 ± 0.1682
Std Dev 1.258 ± 0.1189
Underflow 0
Overflow 0
χ² / ndf 6.758 / 10
Constant 10.25 ± 2.16
Mean 0.03081 ± 0.17103
Sigma 1.027 ± 0.166

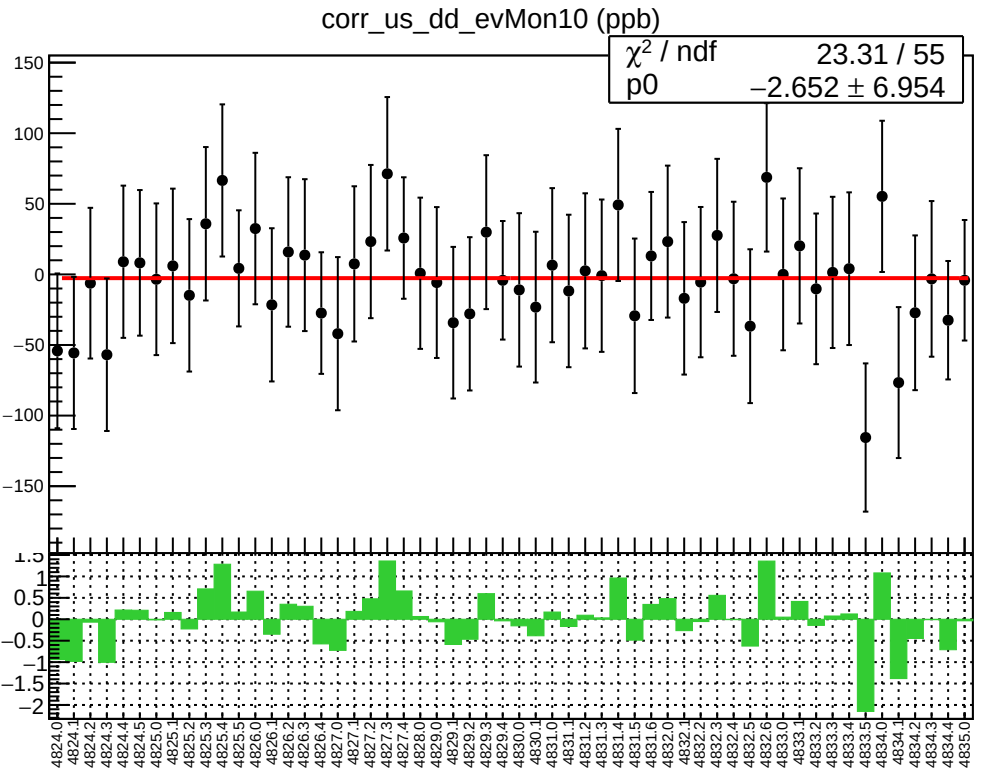

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

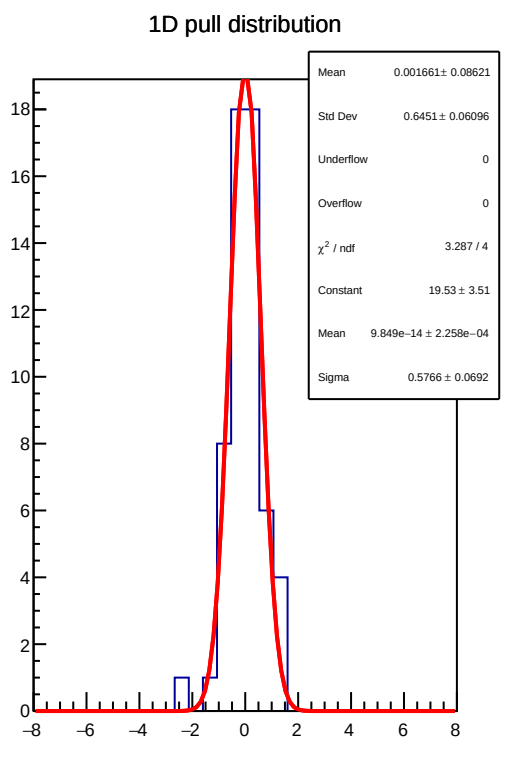

corr_us_dd_evMon8 (ppb)
χ² / ndf 14.6 / 55
p0 −1.582 ± 3.631
1D pull distribution
Mean 0.005408 ± 0.06823
Std Dev 0.5106 ± 0.04825
Underflow 0
Overflow 0
χ² / ndf 0.7818 / 2
Constant 27.24 ± 4.50
Mean 0.1386 ± 0.0841
Sigma 0.5356 ± 0.0583

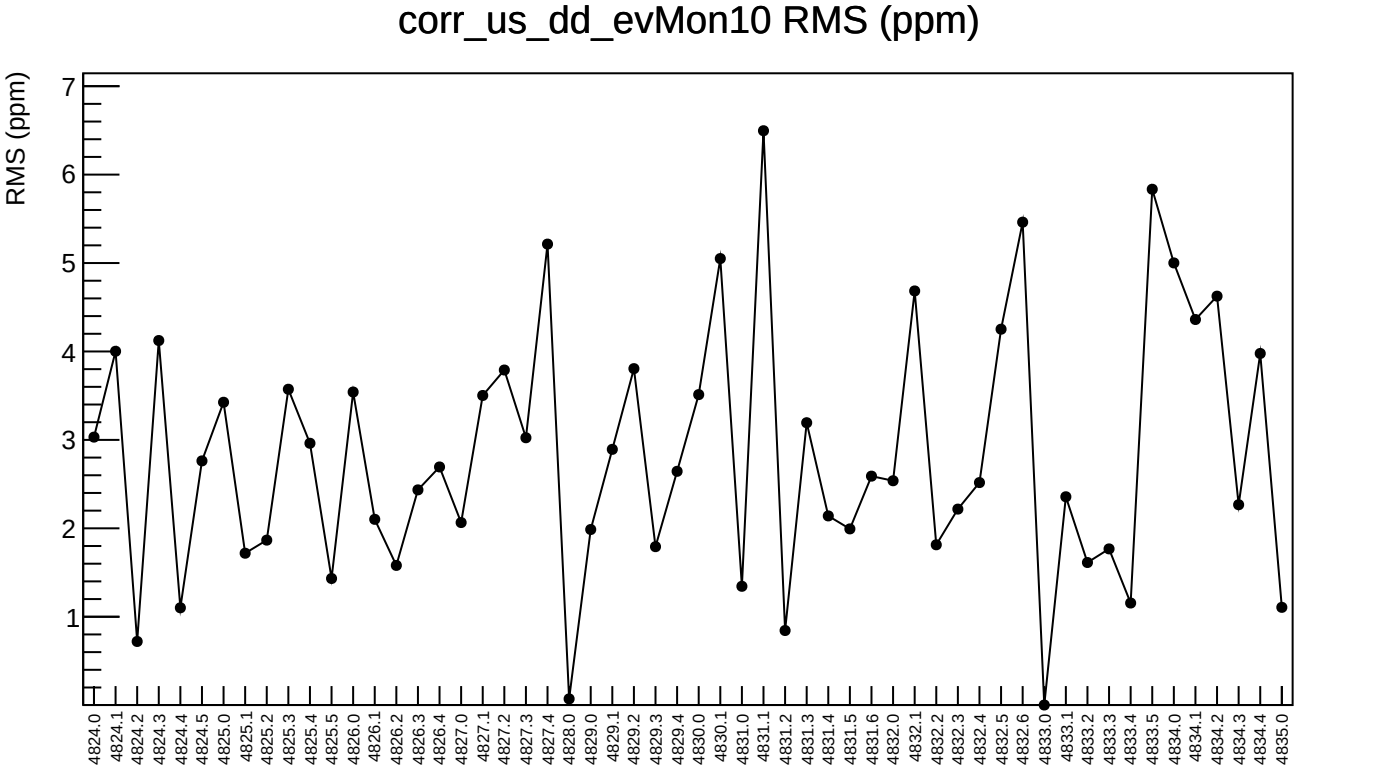

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

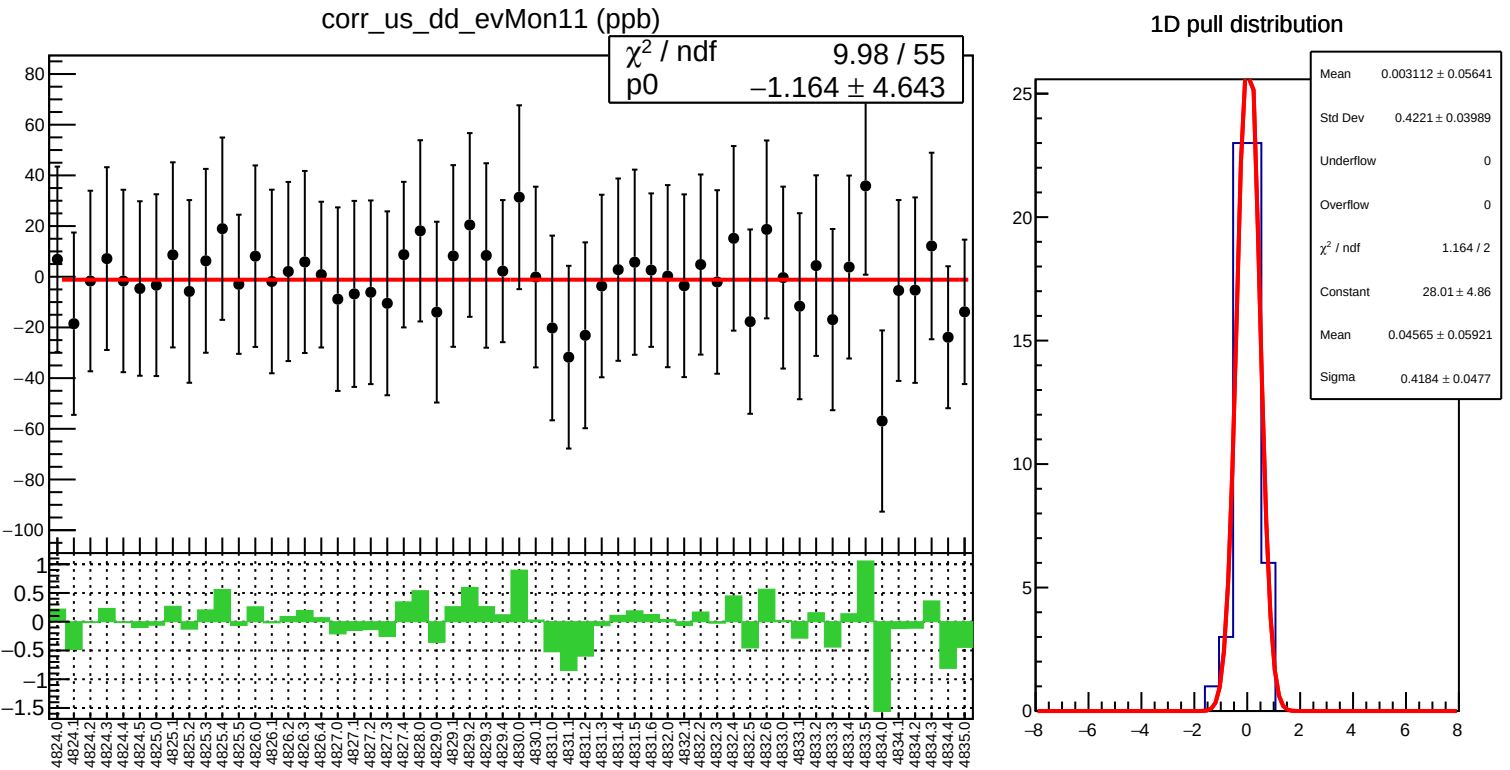

corr_us_dd_evMon9 (ppb)
χ² / ndf 23.72 / 55
p0 3.581 ± 3.663
1D pull distribution
Mean 0.007705 ± 0.08697
Std Dev 0.6508 ± 0.0615
Underflow 0
Overflow 0
χ² / ndf 9.13 / 5
Constant 30.28 ± 6.69
Mean −0.1164 ± 0.0542
Sigma 0.3294 ± 0.0544

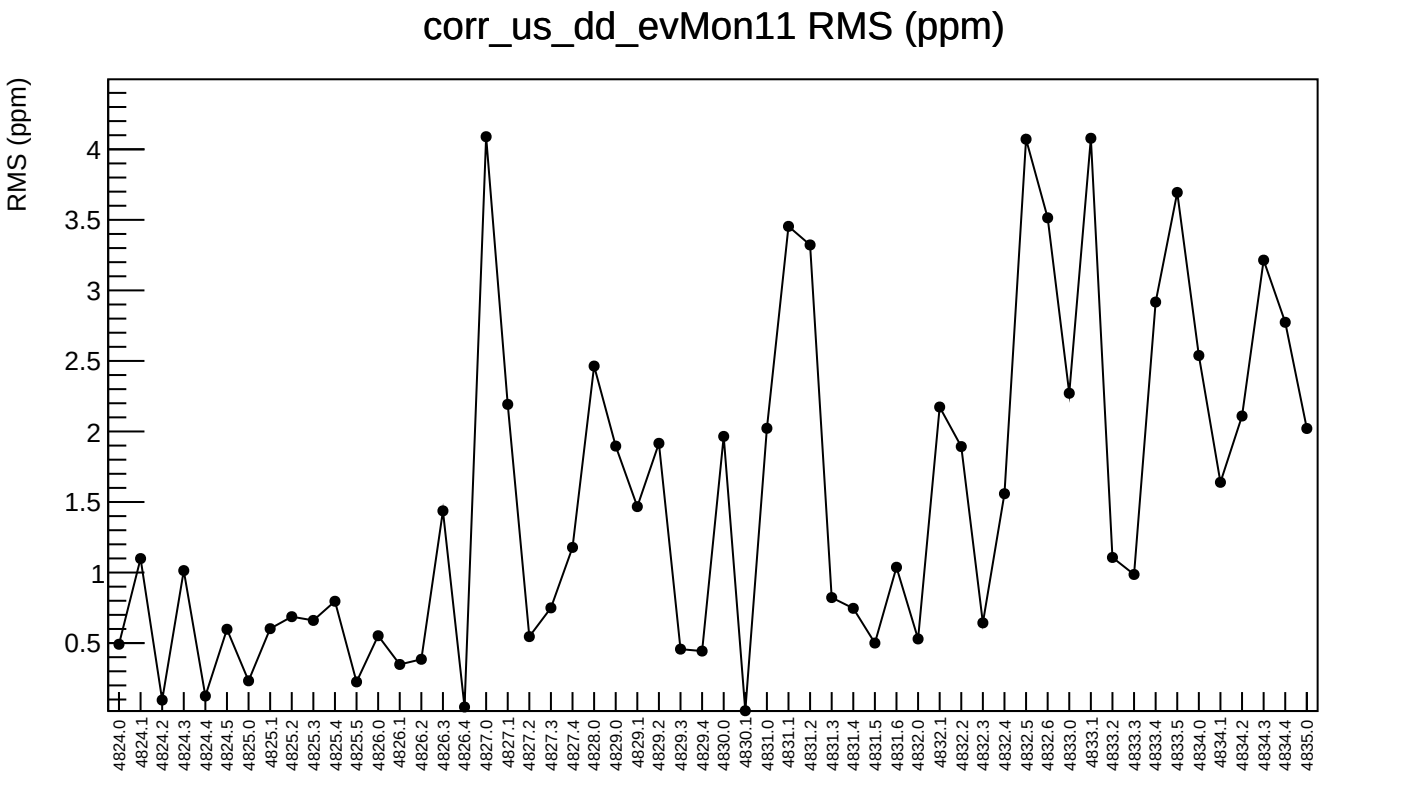

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

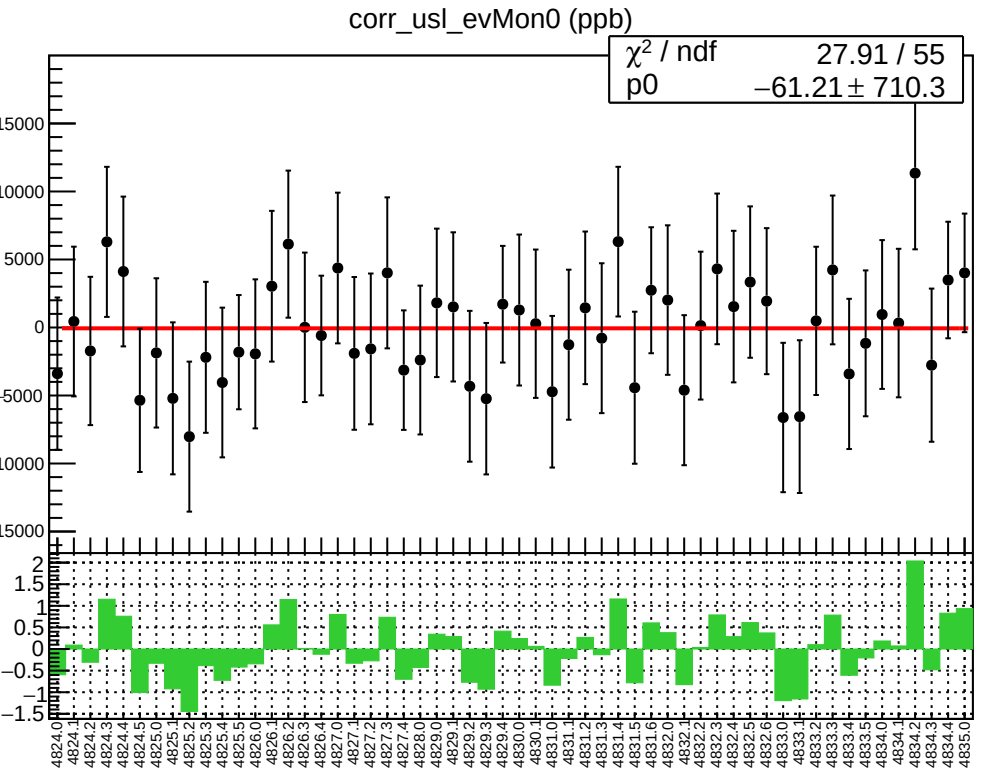

corr_us_dd_evMon10 (ppb)
χ² / ndf 23.31 / 55
p0 −2.652 ± 6.954

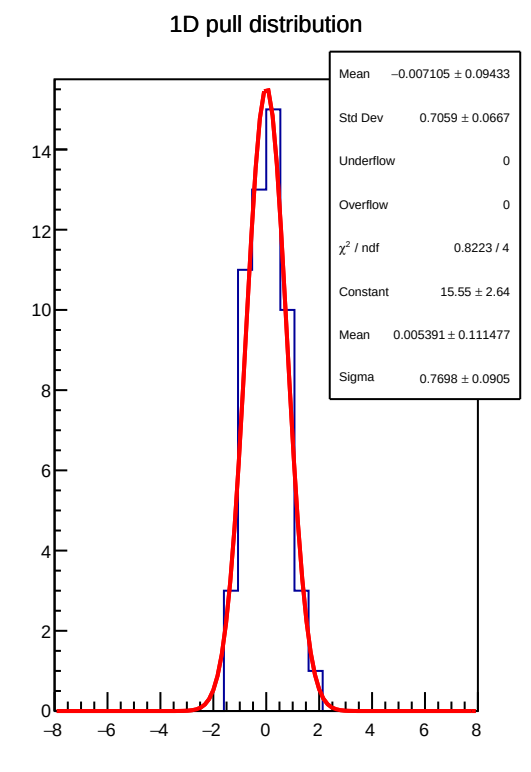

1D pull distribution
Mean 0.001661± 0.08621
Std Dev 0.6451± 0.06096
Underflow 0
Overflow 0
χ² / ndf 3.287 / 4
Constant 19.53 ± 3.51
Mean 9.849e−14 ± 2.258e−04
Sigma 0.5766 ± 0.0692

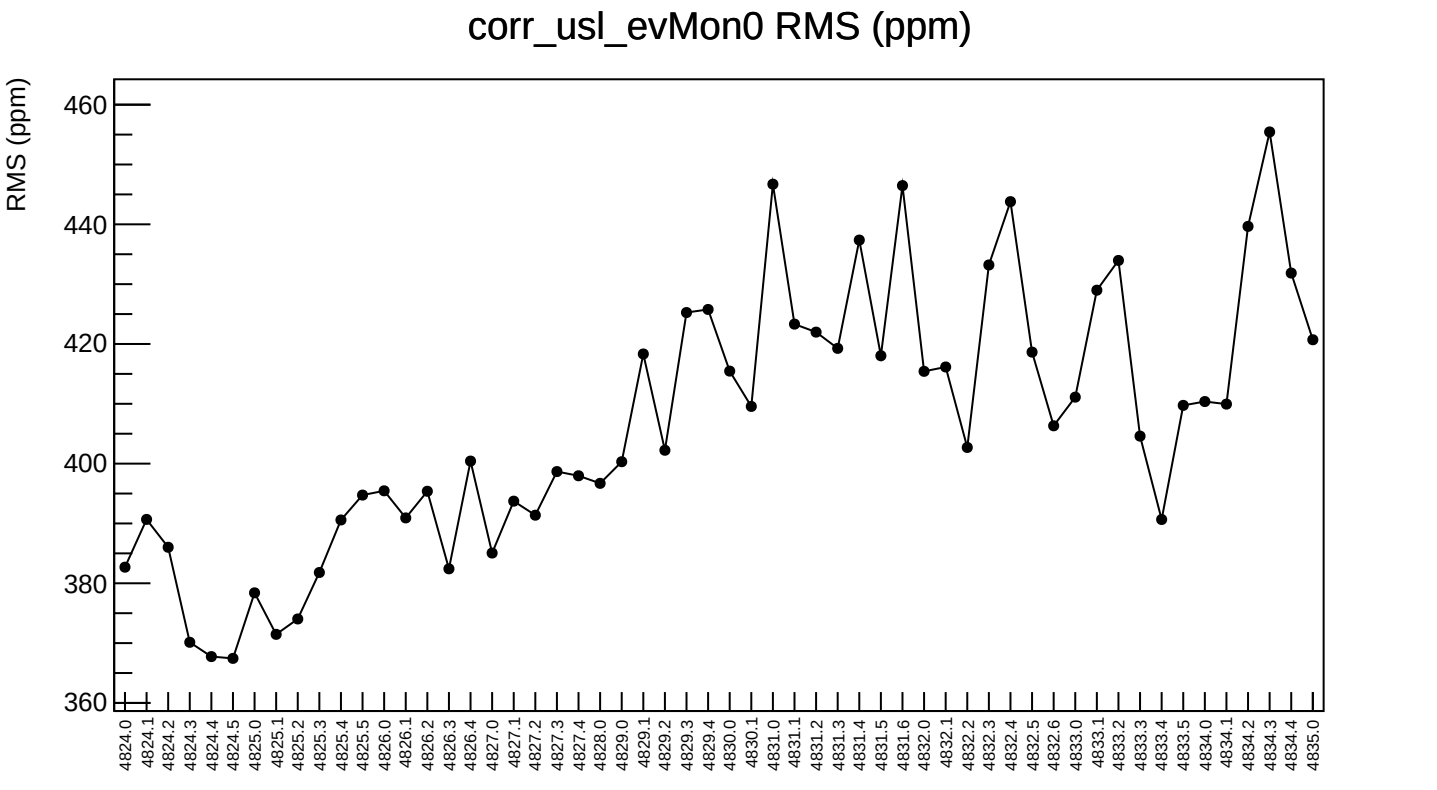

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

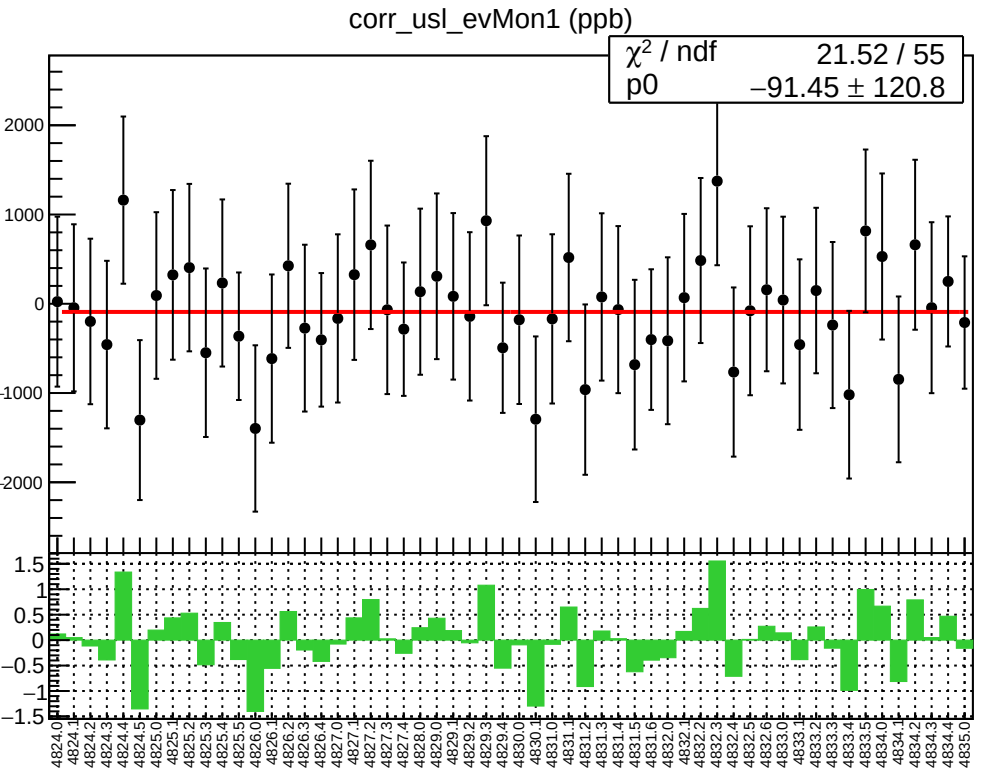

corr_us_dd_evMon11 (ppb)
χ² / ndf 9.98 / 55
p0 −1.164 ± 4.643
1D pull distribution
Mean 0.003112 ± 0.05641
Std Dev 0.4221 ± 0.03989
Underflow 0
Overflow 0
χ² / ndf 1.164 / 2
Constant 28.01 ± 4.86
Mean 0.04565 ± 0.05921
Sigma 0.4184 ± 0.0477

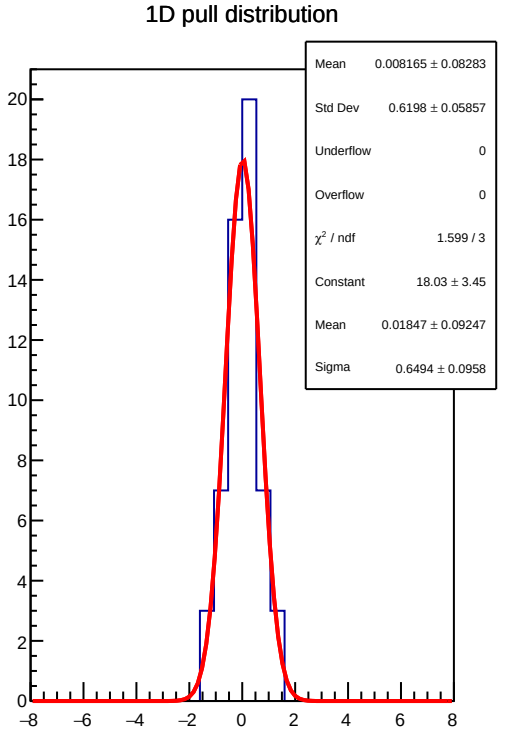

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

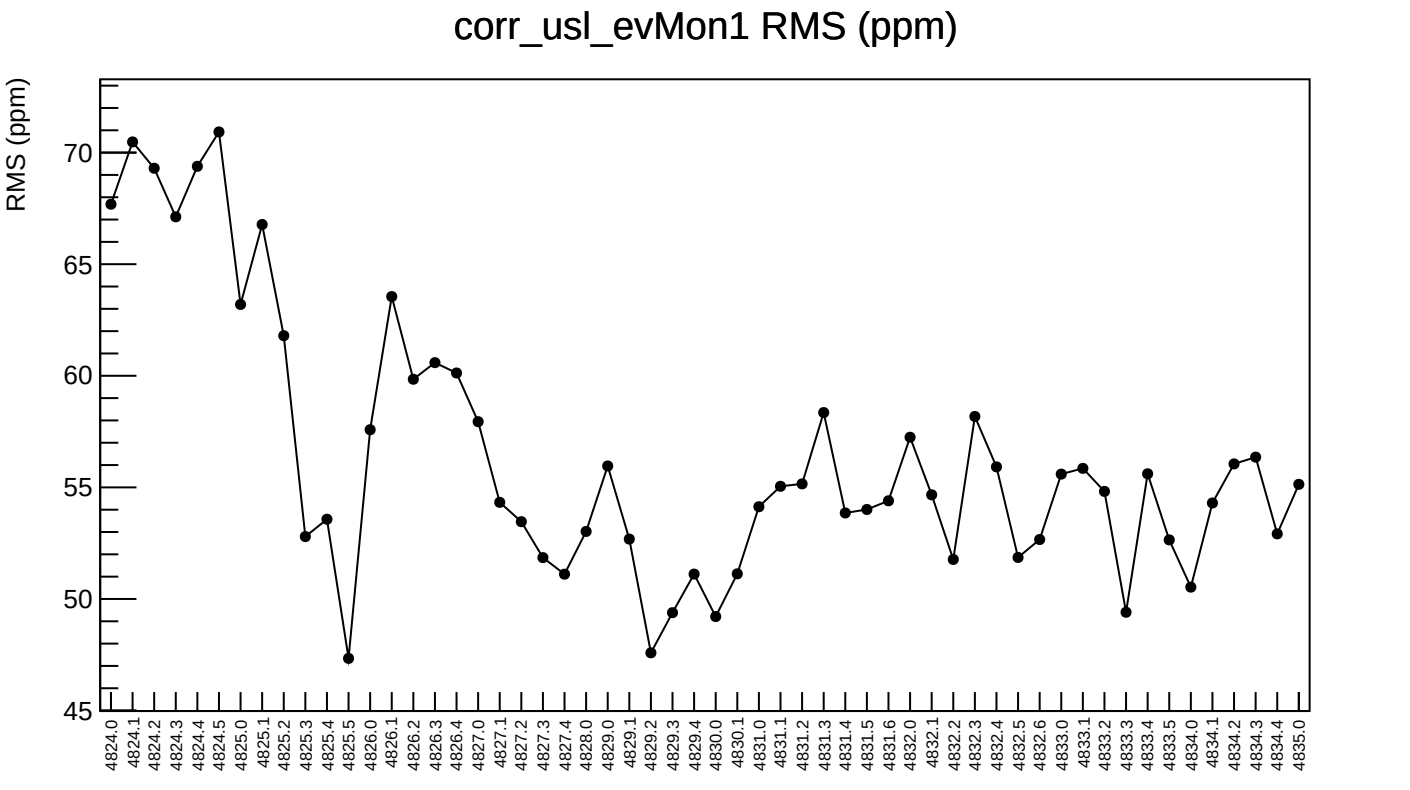

corr_usl_evMon0 (ppb)
χ² / ndf 27.91 / 55
p0 −61.21 ± 710.3
15000
10000
5000
0
-5000
-10000
-15000
2
1.5
1
0.5
0
−0.5
−1
−1.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

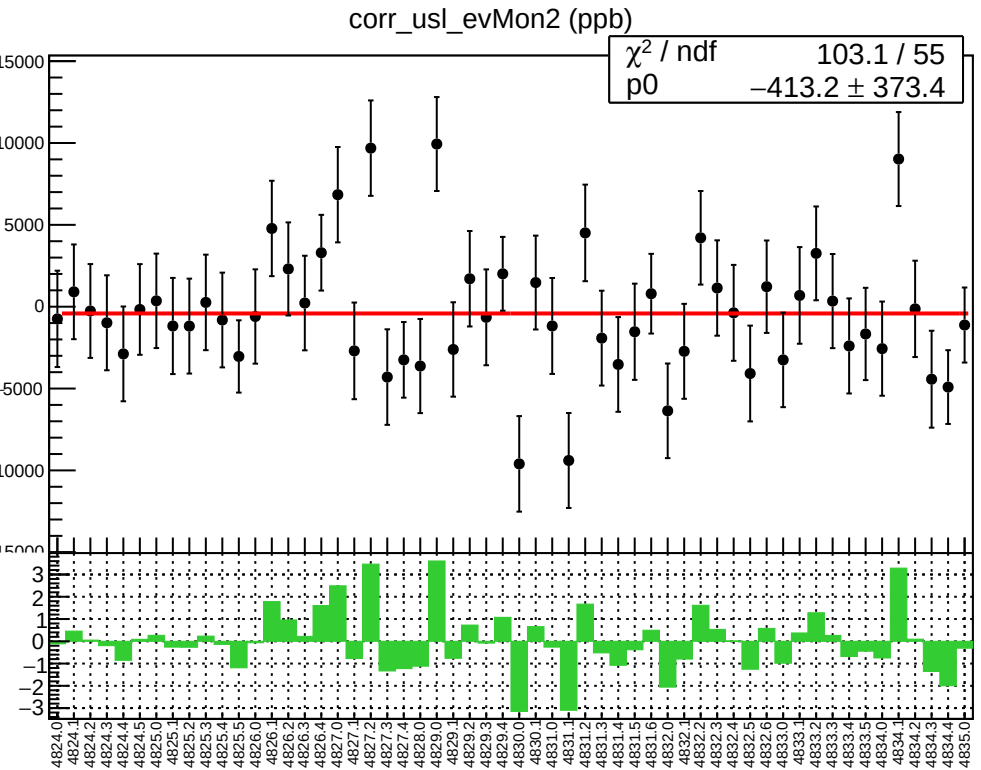

1D pull distribution
Mean −0.007105 ± 0.09433
Std Dev 0.7059 ± 0.0667
Underflow 0
Overflow 0
χ² / ndf 0.8223 / 4
Constant 15.55 ± 2.64
Mean 0.005391 ± 0.111477
Sigma 0.7698 ± 0.0905
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

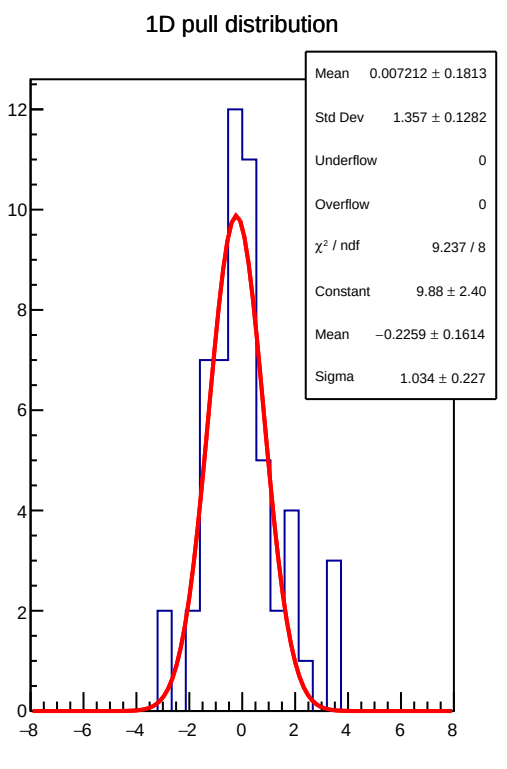

corr_usl_evMon0 RMS (ppm)
RMS (ppm)
460
440
420
400
380
360
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

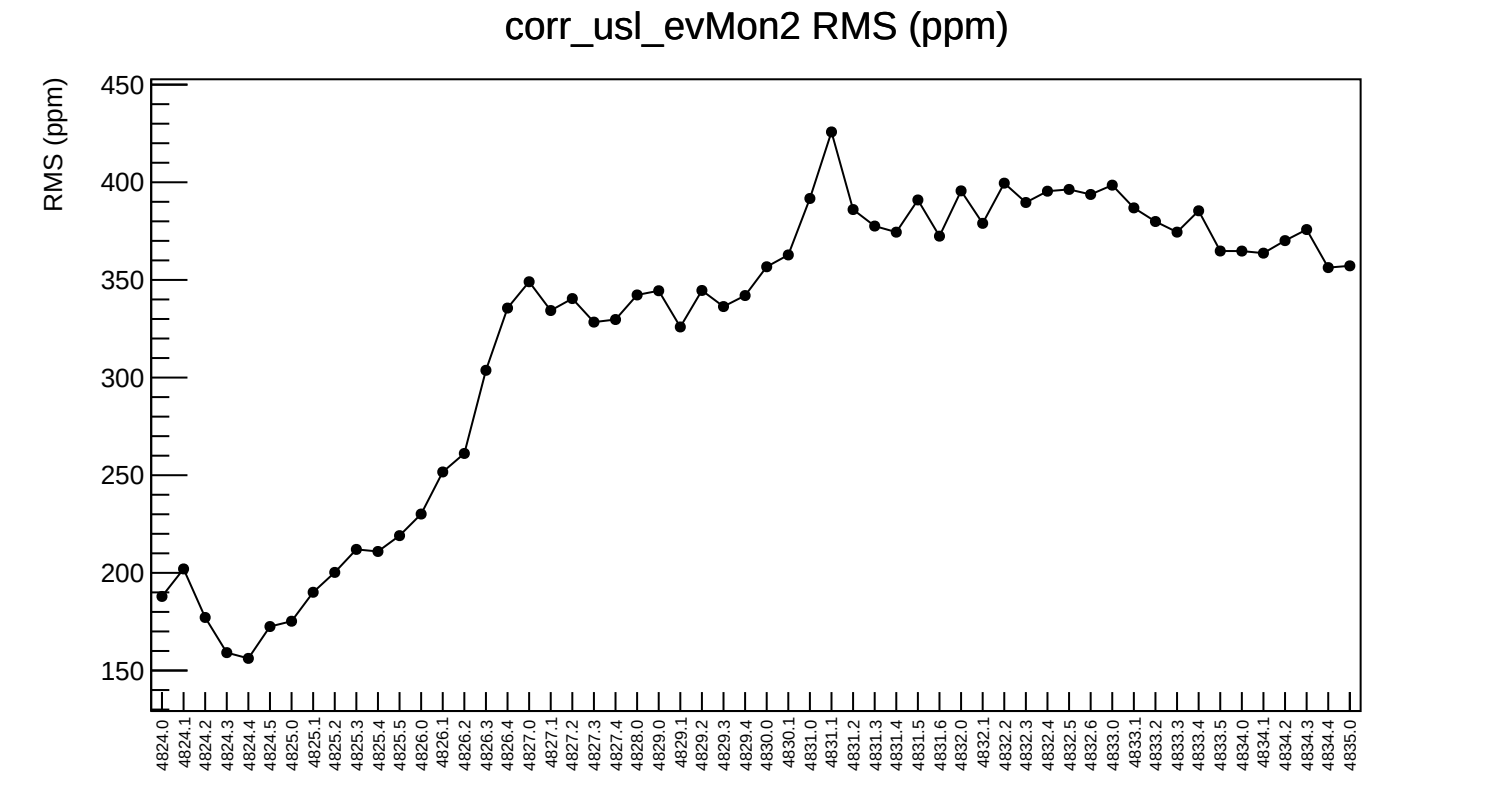

corr_usl_evMon1 (ppb)
χ² / ndf 21.52 / 55
p0 −91.45 ± 120.8
2000
1000
0
-1000
-2000
1.5
1
0.5
0
−0.5
−1
−1.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

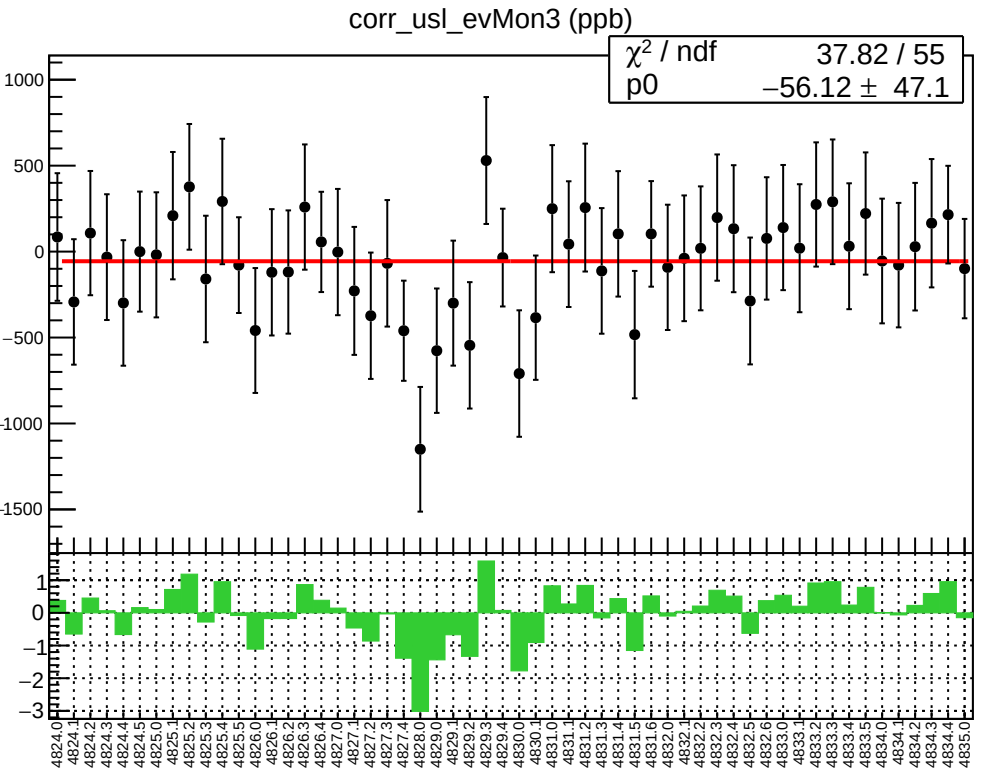

1D pull distribution
Mean 0.008165 ± 0.08283
Std Dev 0.6198 ± 0.05857
Underflow 0
Overflow 0
χ² / ndf 1.599 / 3
Constant 18.03 ± 3.45
Mean 0.01847 ± 0.09247
Sigma 0.6494 ± 0.0958
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

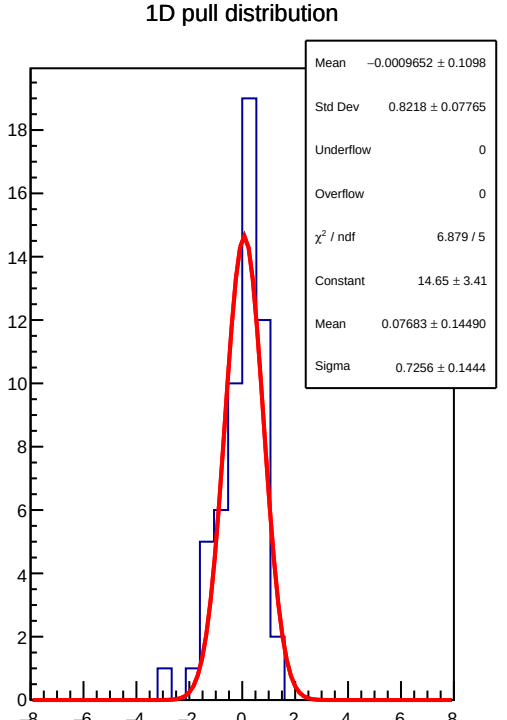

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
70
65
60
55
50
45
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

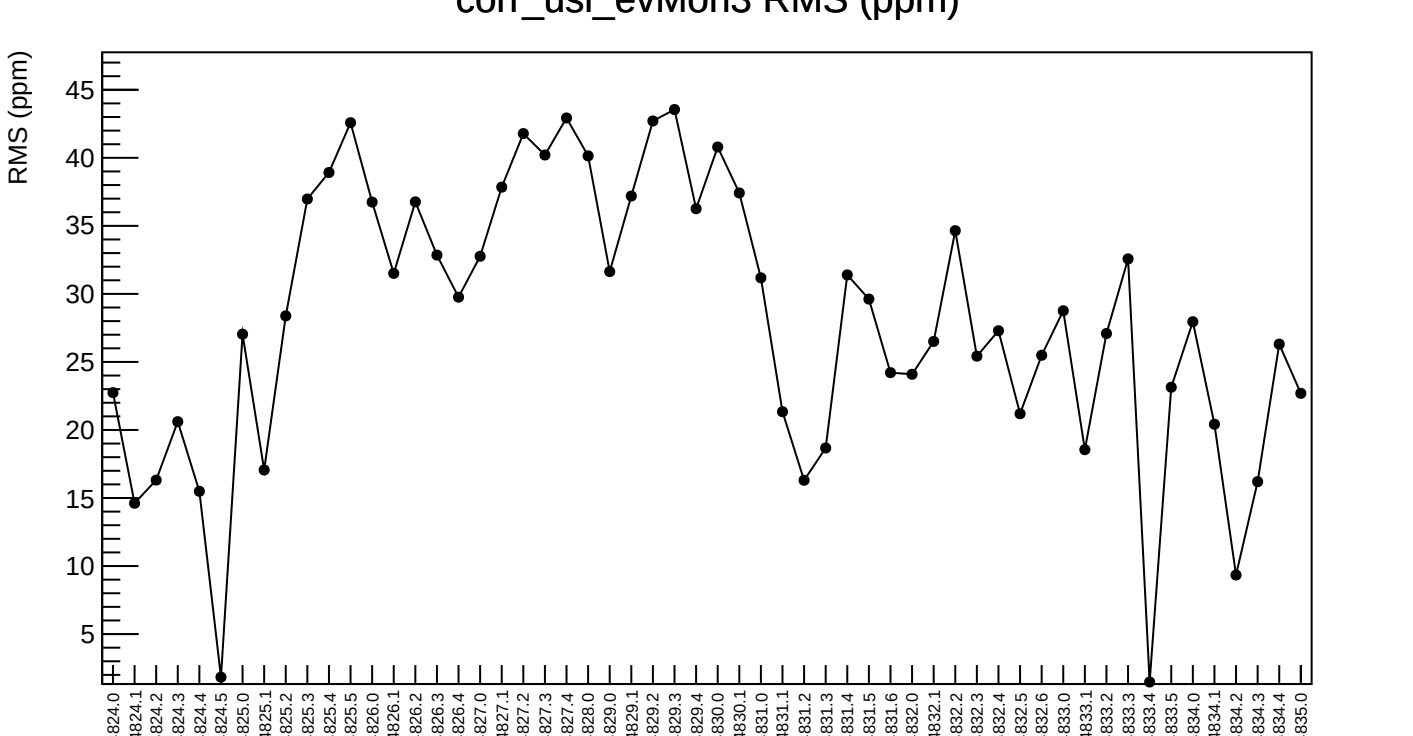

corr_usl_evMon2 (ppb)
χ² / ndf 103.1 / 55
p0 −413.2 ± 373.4

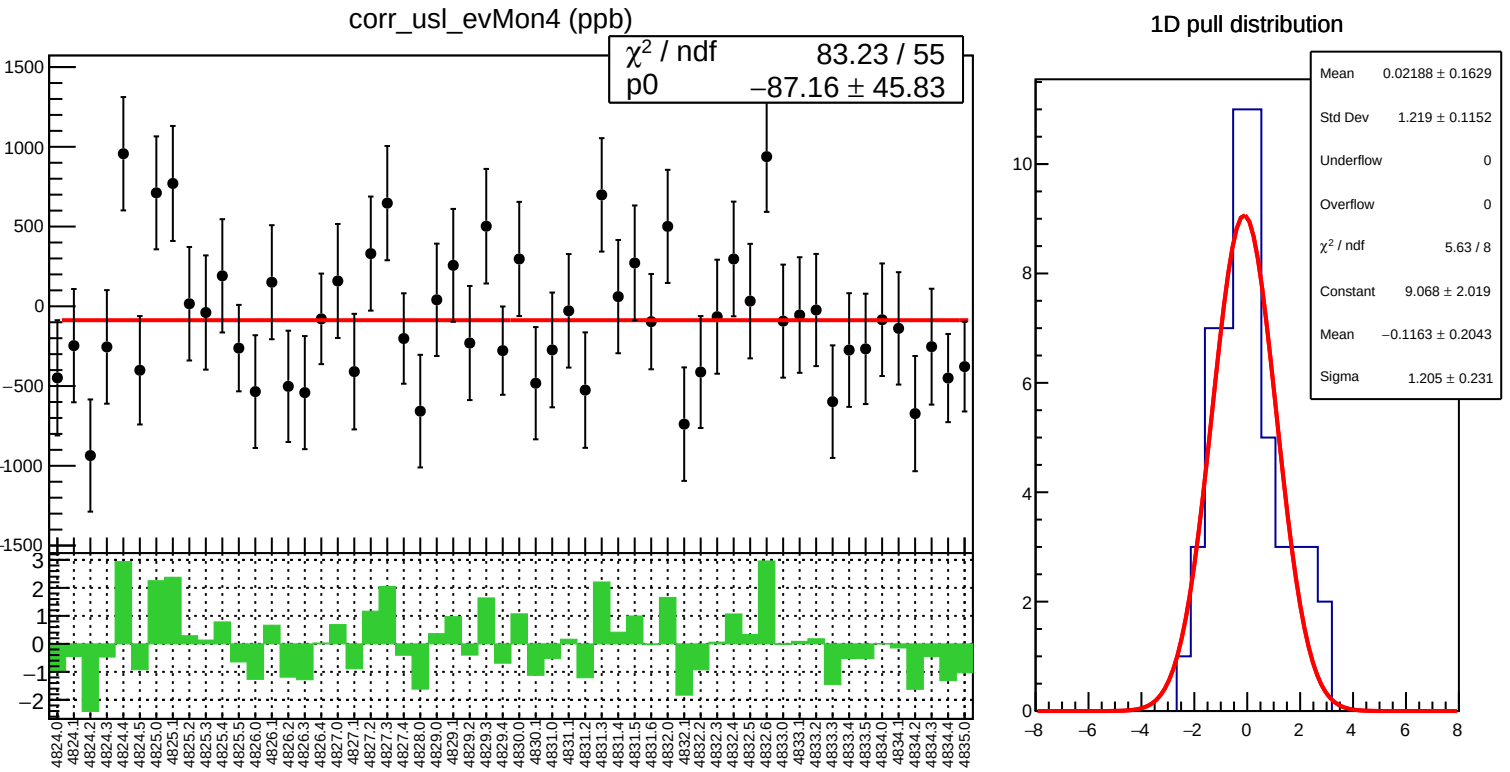

1D pull distribution
Mean 0.007212 ± 0.1813
Std Dev 1.357 ± 0.1282
Underflow 0
Overflow 0
χ² / ndf 9.237 / 8
Constant 9.88 ± 2.40
Mean −0.2259 ± 0.1614
Sigma 1.034 ± 0.227

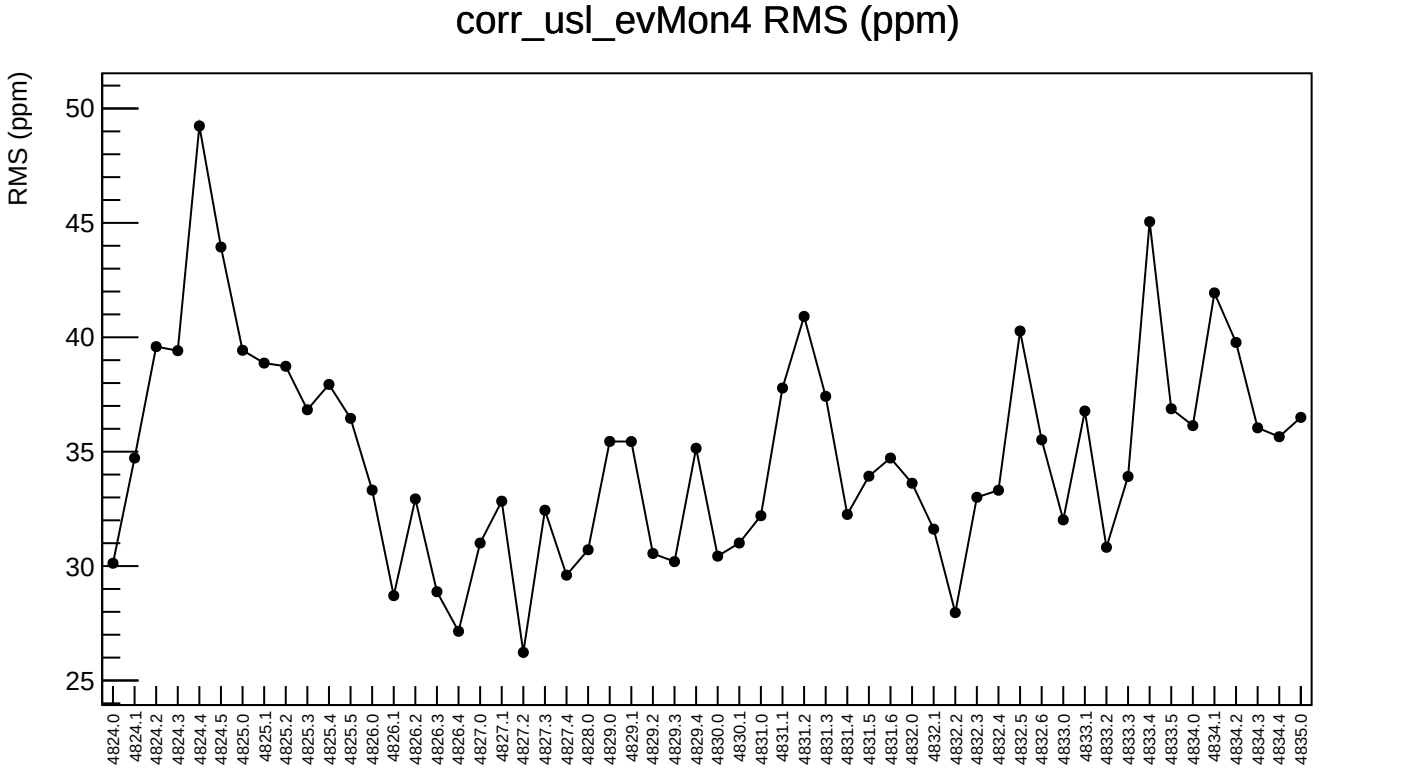

corr_usl_evMon2 RMS (ppm)
RMS (ppm)
450
400
350
300
250
200
150
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

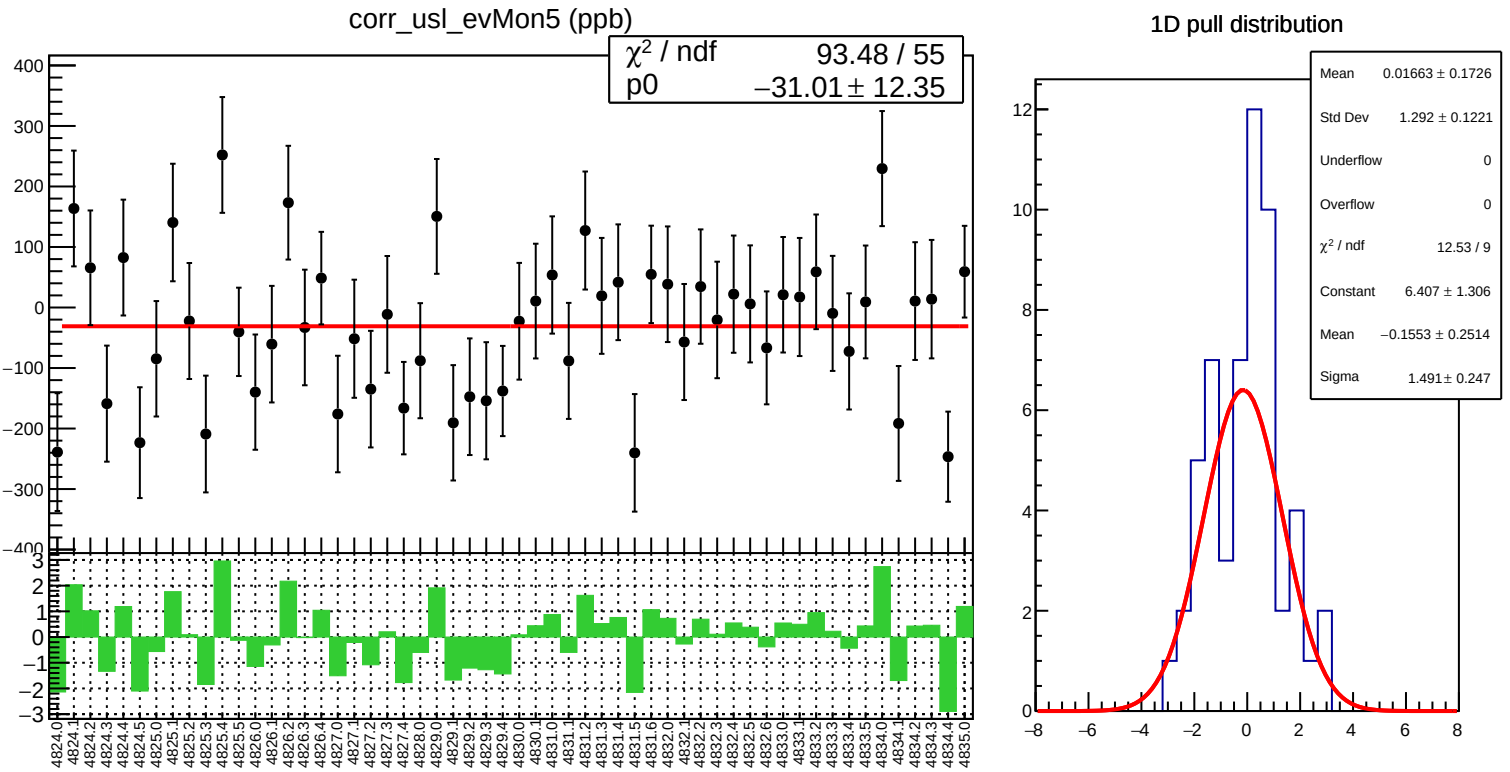

corr_usl_evMon3 (ppb)
χ² / ndf 37.82 / 55
p0 −56.12 ± 47.1
1000
500
0
−500
−1000
−1500
1
0
−1
−2
−3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

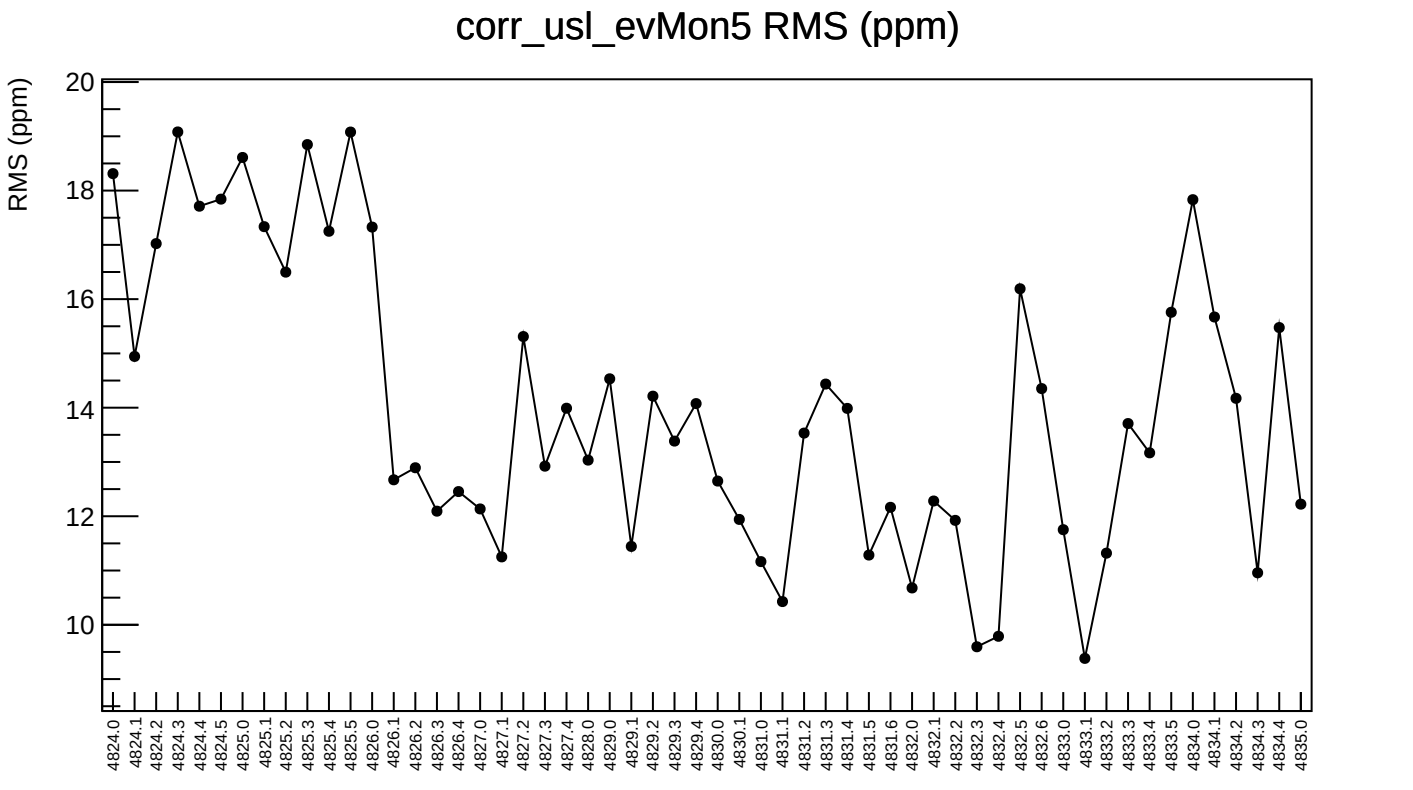

1D pull distribution
Mean −0.0009652 ± 0.1098
Std Dev 0.8218 ± 0.07765
Underflow 0
Overflow 0
χ² / ndf 6.879 / 5
Constant 14.65 ± 3.41
Mean 0.07683 ± 0.14490
Sigma 0.7256 ± 0.1444
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

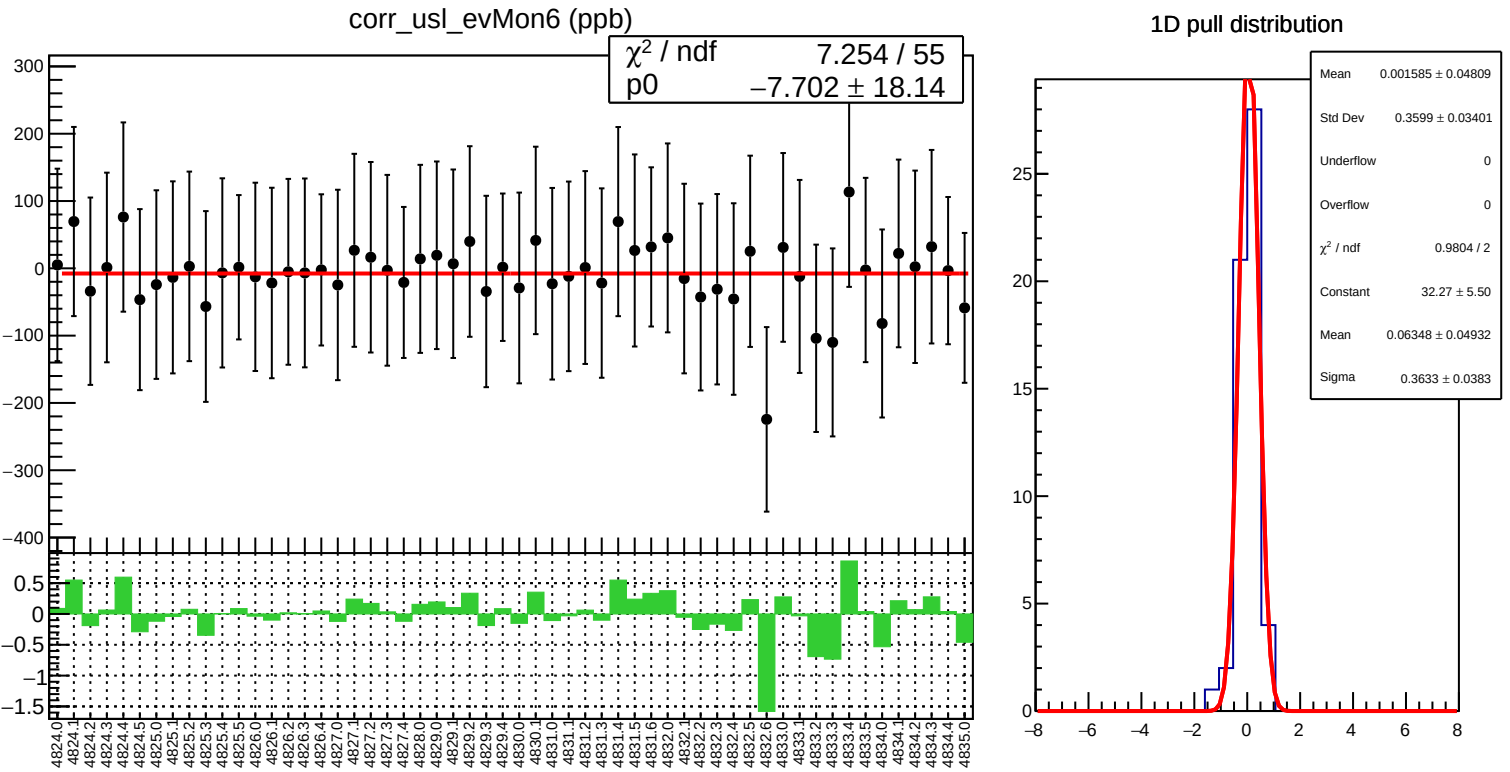

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
45
40
35
30
25
20
15
10
5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

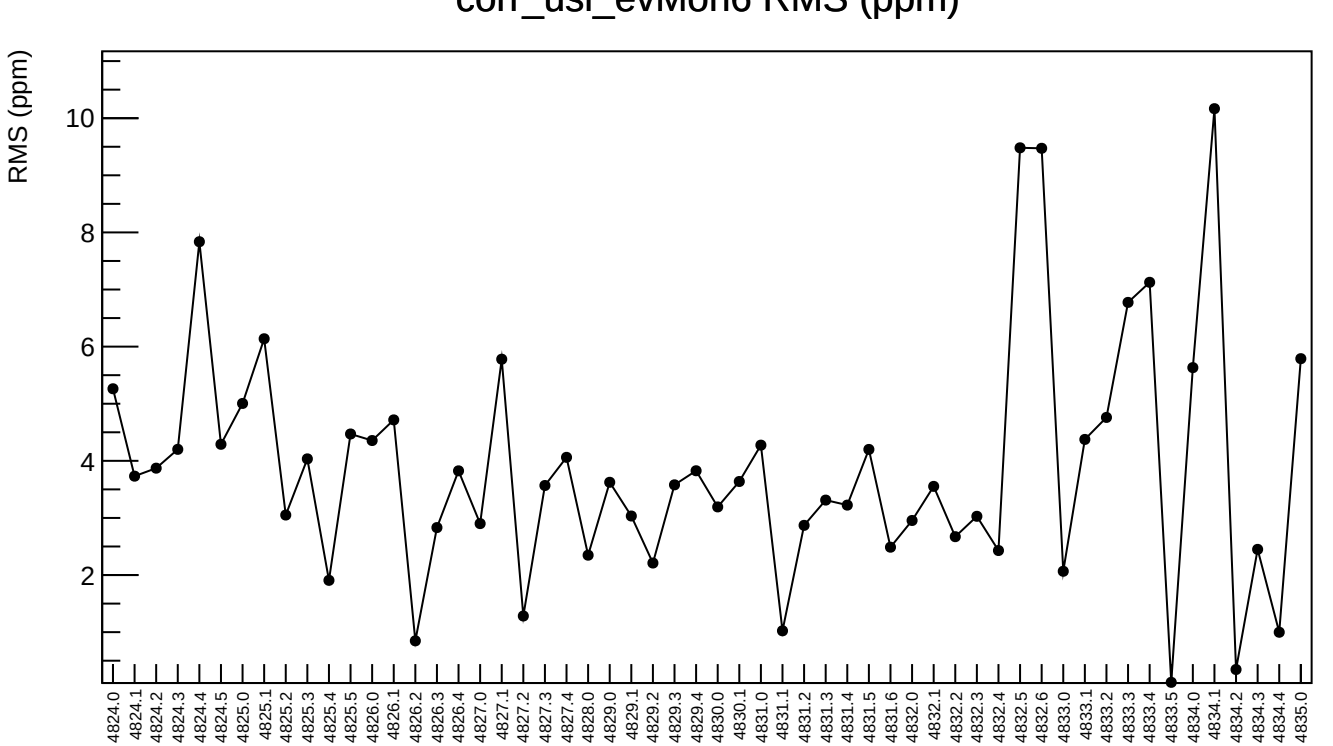

corr_usl_evMon4 (ppb)
χ² / ndf 83.23 / 55
p0 −87.16 ± 45.83
1500
1000
500
0
−500
−1000
−1500
3
2
1
0
−1
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean 0.02188 ± 0.1629
Std Dev 1.219 ± 0.1152
Underflow 0
Overflow 0
χ² / ndf 5.63 / 8
Constant 9.068 ± 2.019
Mean −0.1163 ± 0.2043
Sigma 1.205 ± 0.231
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

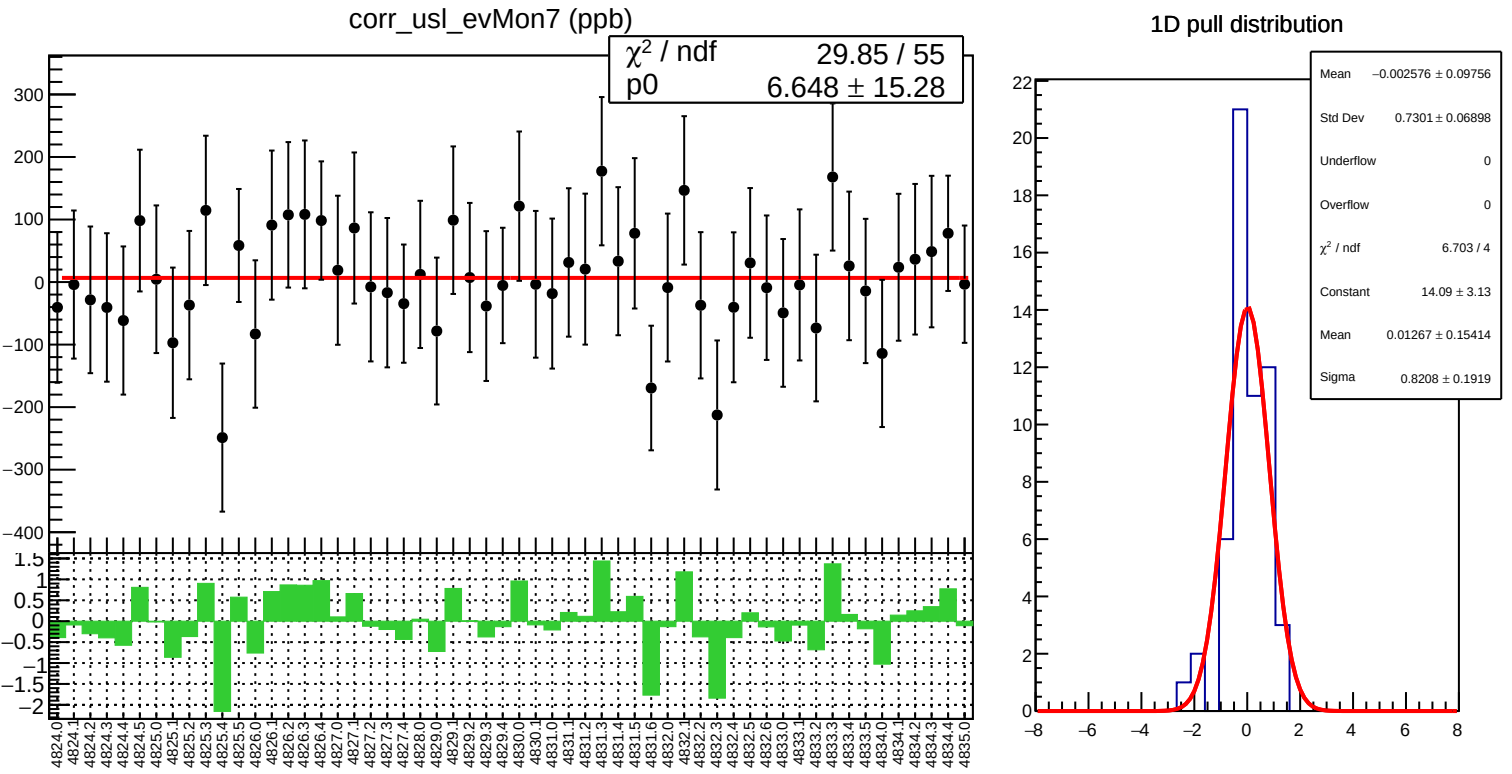

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
50
45
40
35
30
25
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

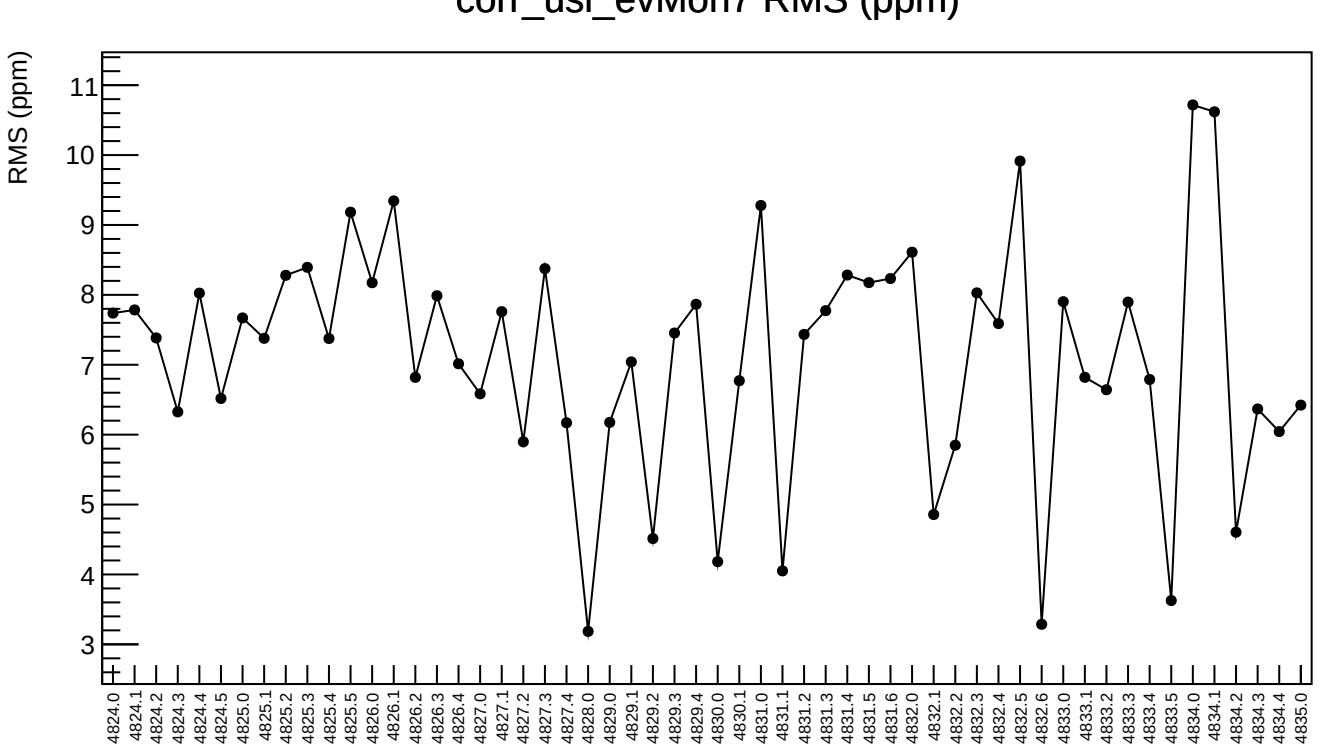

corr_usl_evMon5 (ppb)
χ² / ndf 93.48 / 55
p0 −31.01 ± 12.35
1D pull distribution
Mean 0.01663 ± 0.1726
Std Dev 1.292 ± 0.1221
Underflow 0
Overflow 0
χ² / ndf 12.53 / 9
Constant 6.407 ± 1.306
Mean −0.1553 ± 0.2514
Sigma 1.491 ± 0.247

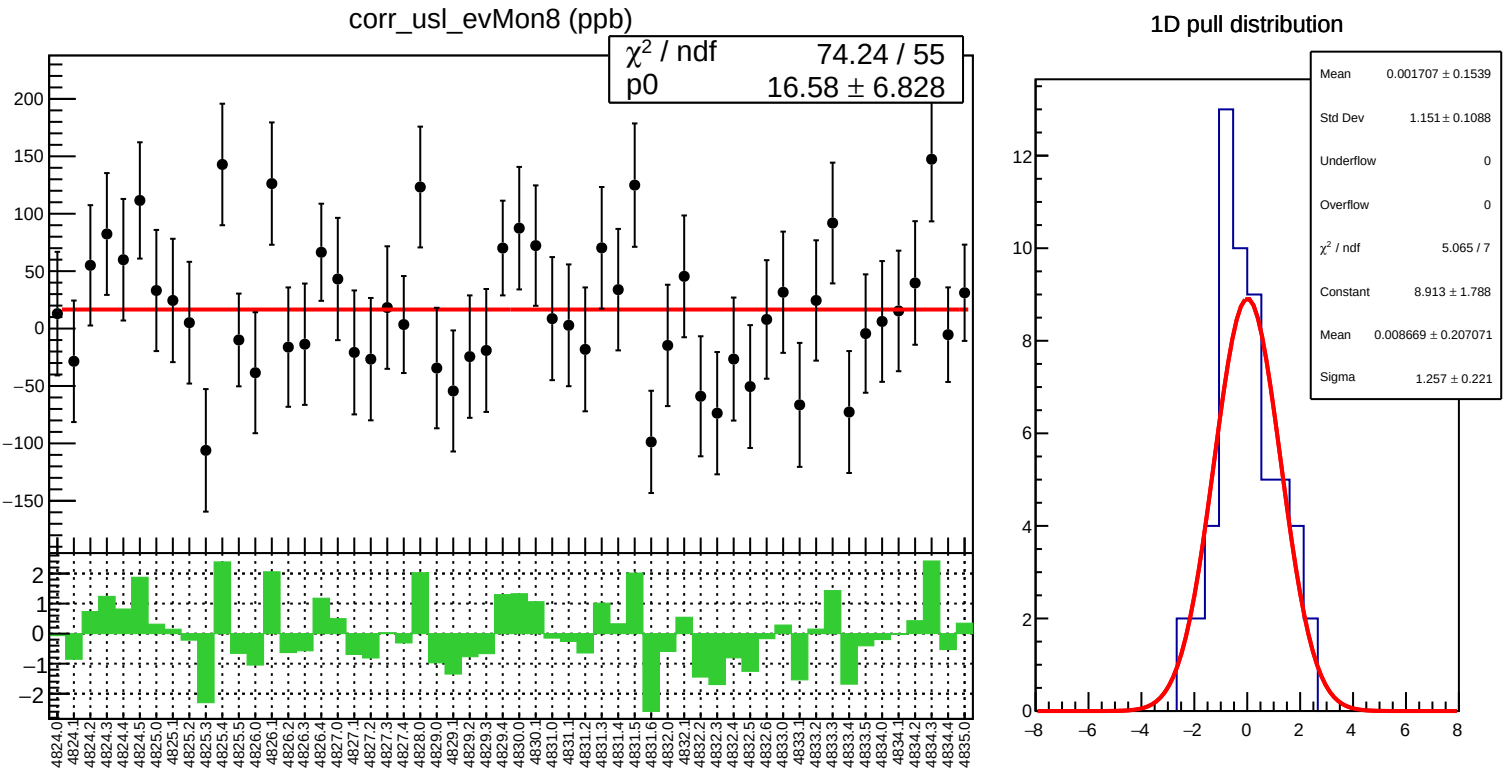

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
20
18
16
14
12
10
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

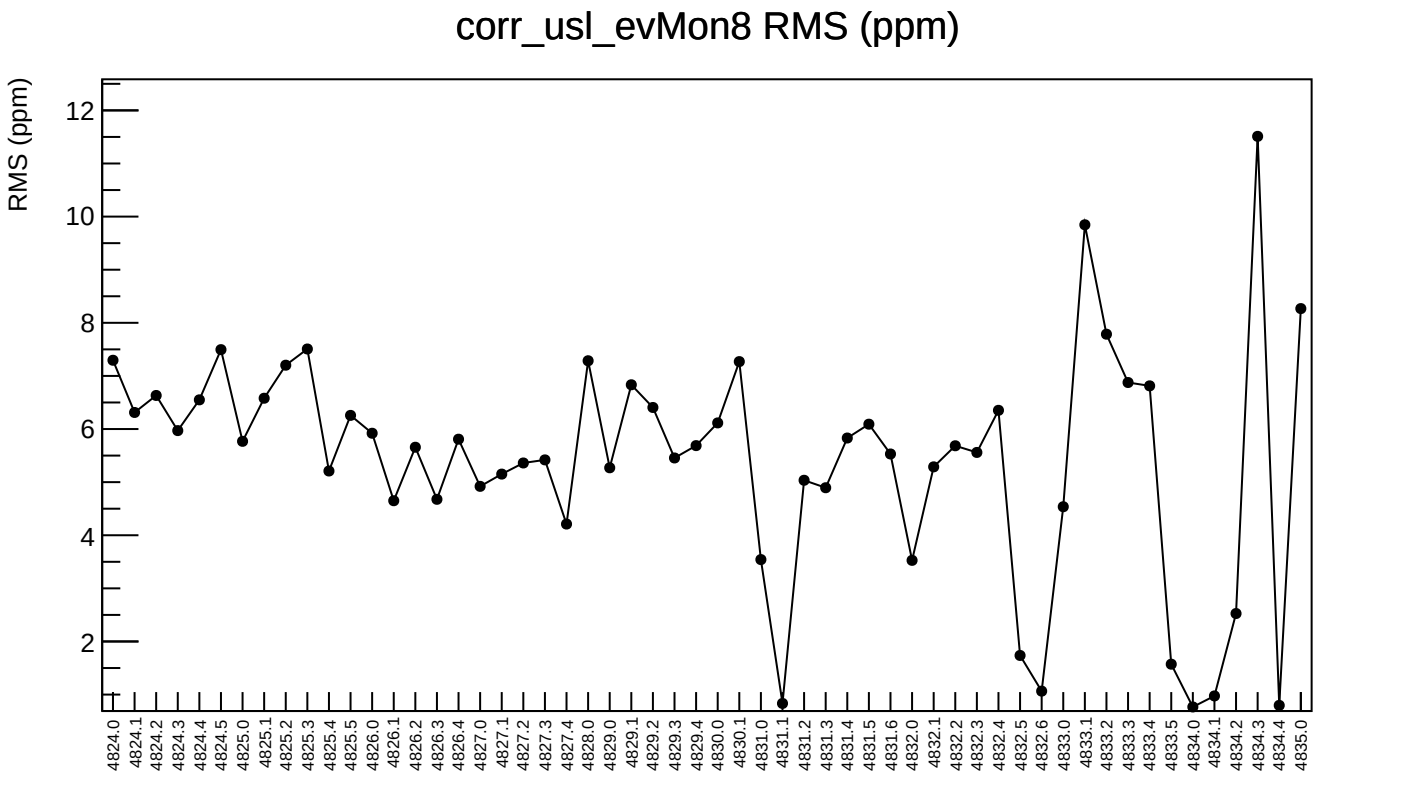

corr_usl_evMon6 (ppb)
χ² / ndf 7.254 / 55
p0 −7.702 ± 18.14
1D pull distribution
Mean 0.001585 ± 0.04809
Std Dev 0.3599 ± 0.03401
Underflow 0
Overflow 0
χ² / ndf 0.9804 / 2
Constant 32.27 ± 5.50
Mean 0.06348 ± 0.04932
Sigma 0.3633 ± 0.0383

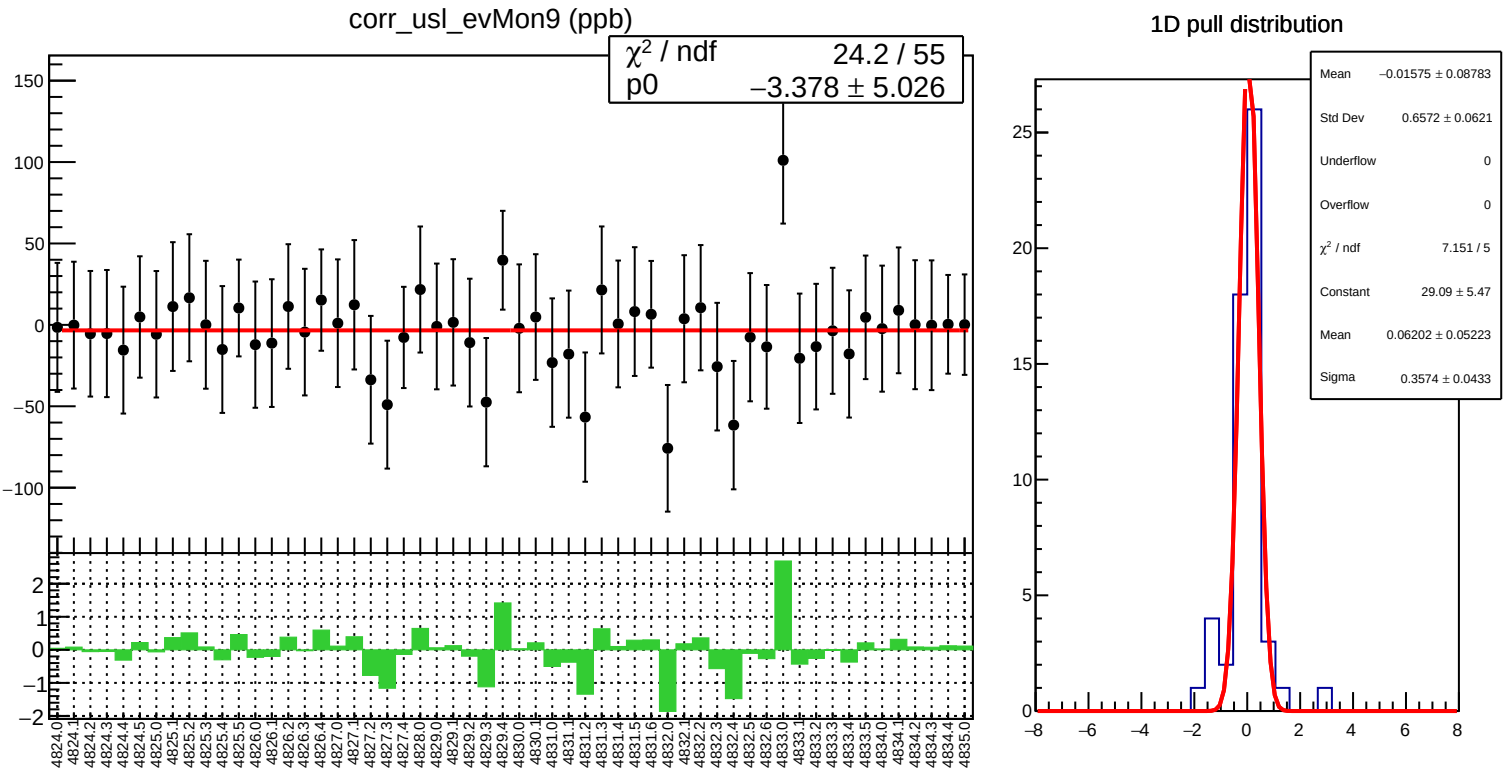

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
10
8
6
4
2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

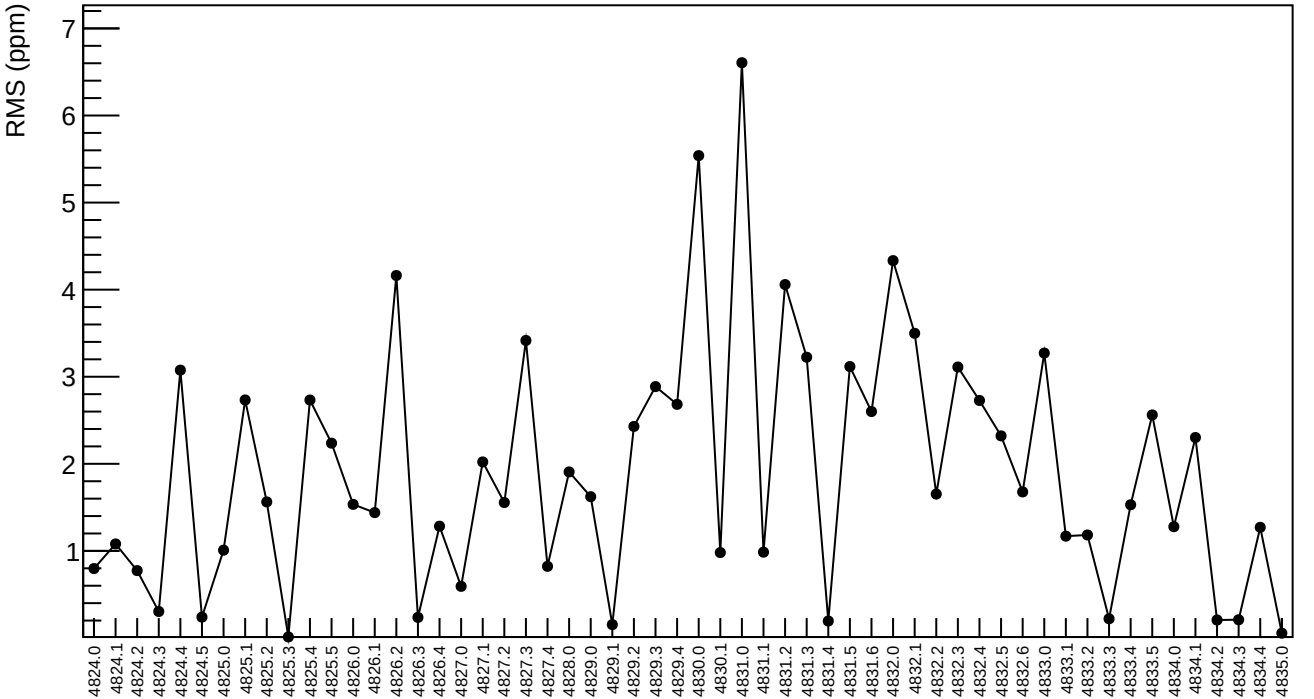

corr_usl_evMon7 (ppb)
χ² / ndf 29.85 / 55
p0 6.648 ± 15.28
1D pull distribution
Mean −0.002576 ± 0.09756
Std Dev 0.7301 ± 0.06898
Underflow 0
Overflow 0
χ² / ndf 6.703 / 4
Constant 14.09 ± 3.13
Mean 0.01267 ± 0.15414
Sigma 0.8208 ± 0.1919

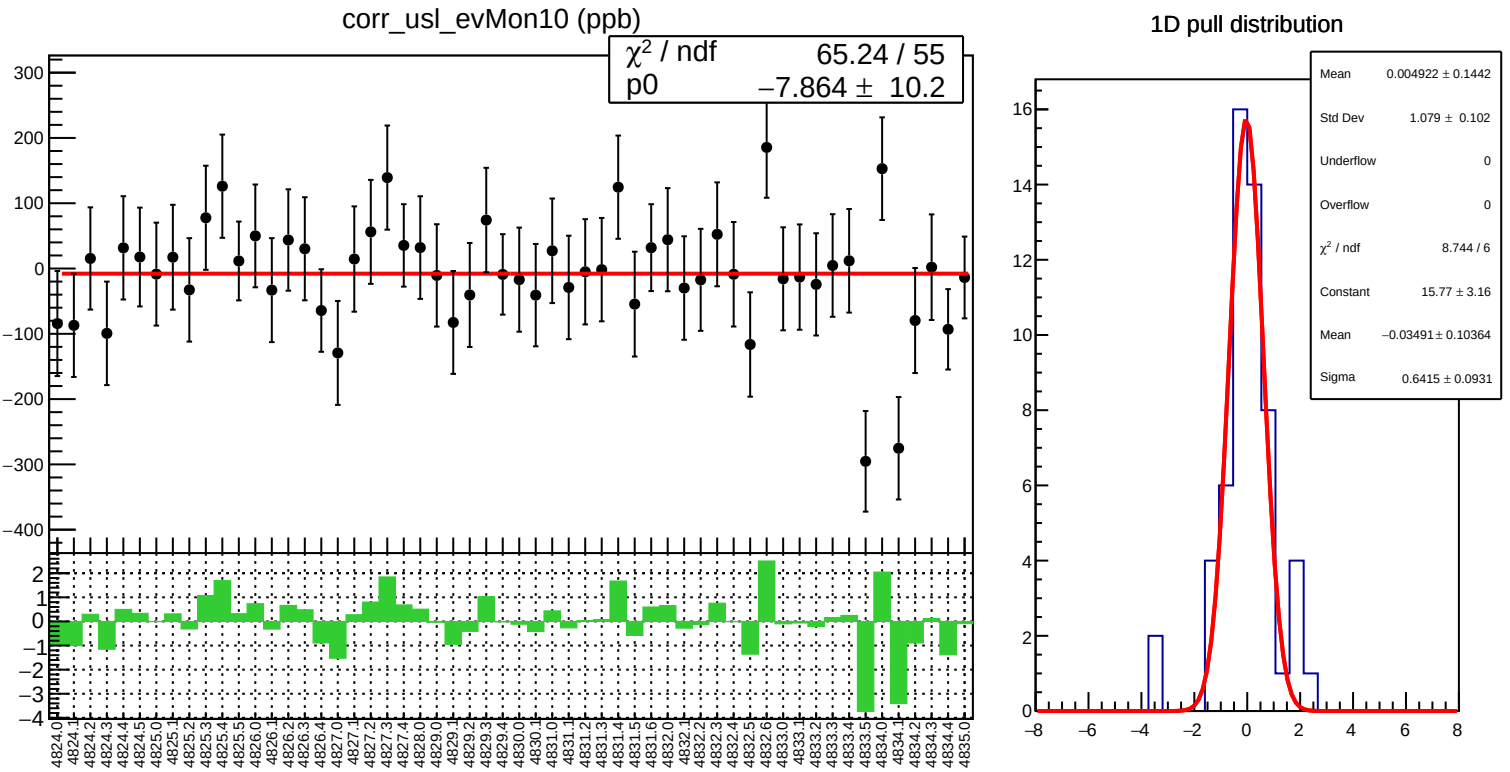

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

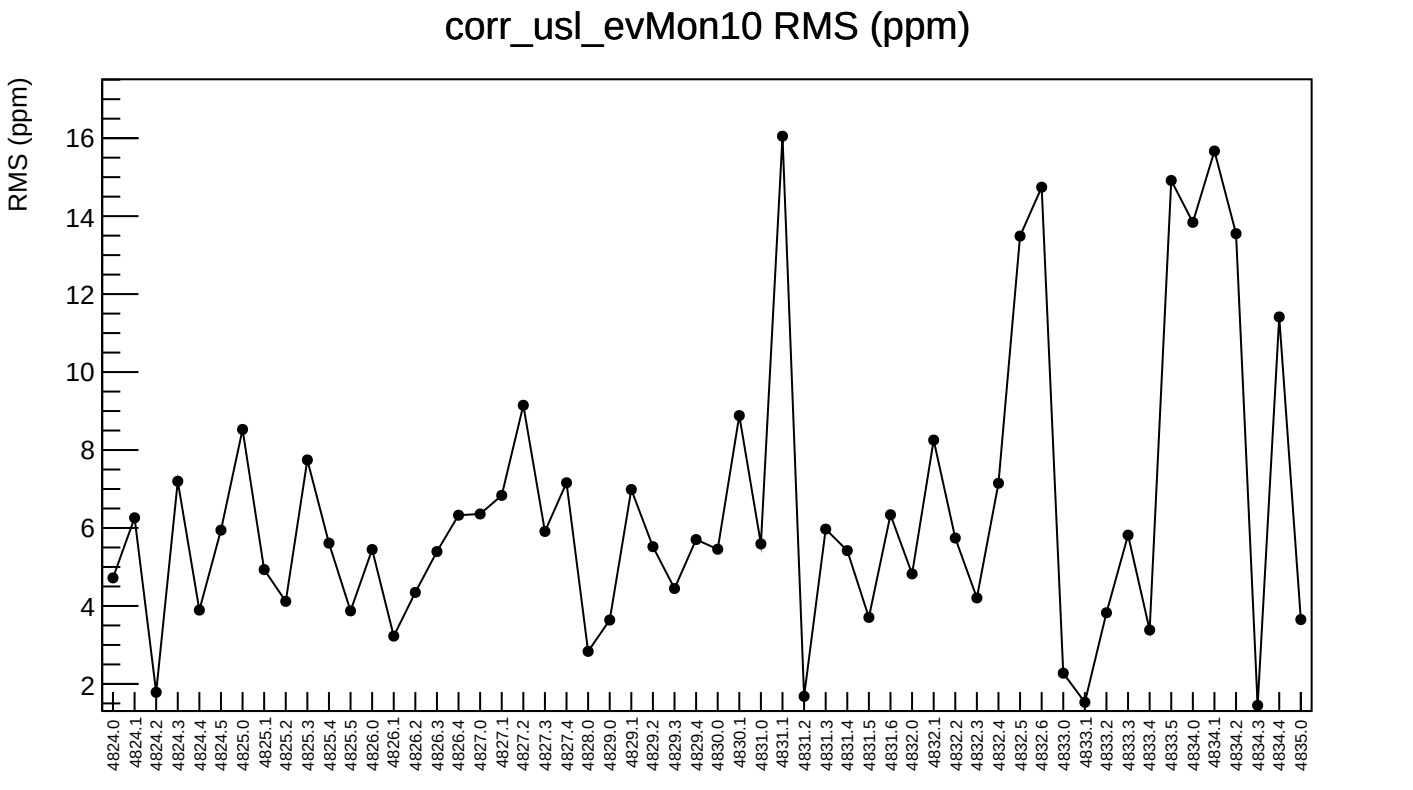

corr_usl_evMon8 (ppb)
χ² / ndf 74.24 / 55
p0 16.58 ± 6.828
1D pull distribution
Mean 0.001707 ± 0.1539
Std Dev 1.151 ± 0.1088
Underflow 0
Overflow 0
χ² / ndf 5.065 / 7
Constant 8.913 ± 1.788
Mean 0.008669 ± 0.207071
Sigma 1.257 ± 0.221

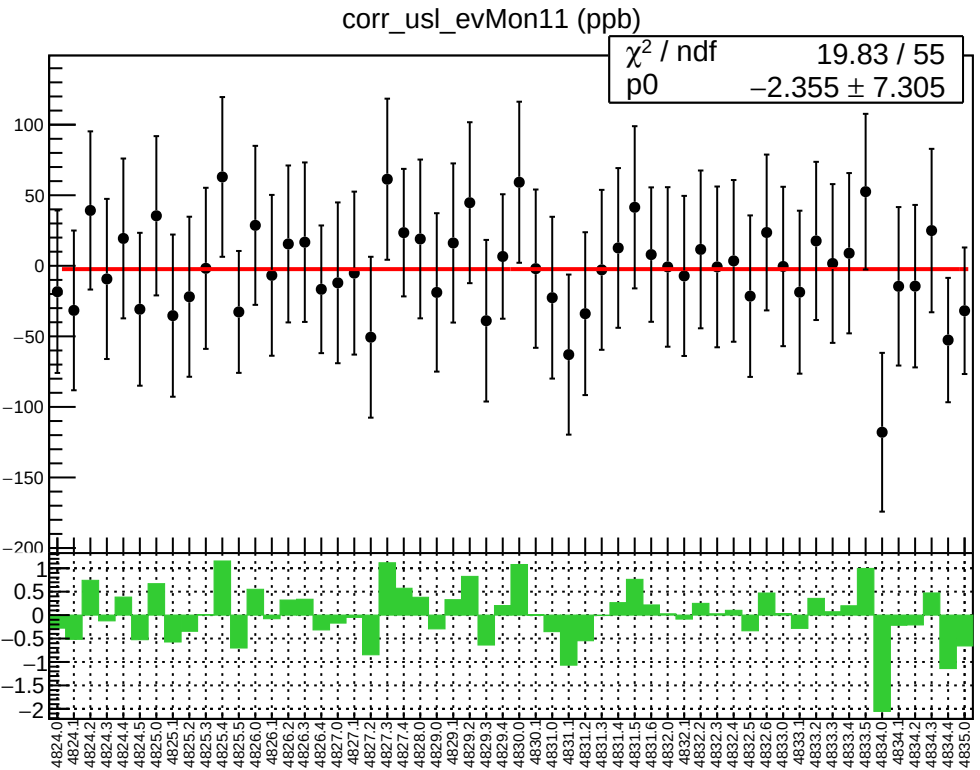

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
12
10
8
6
4
2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

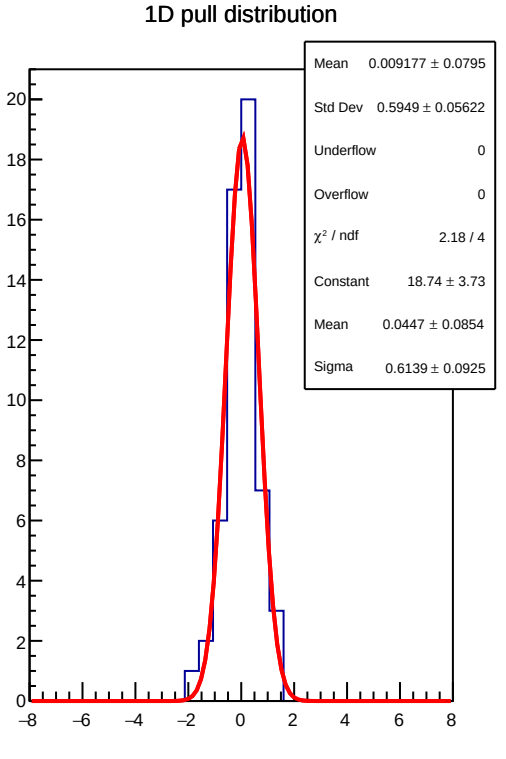

corr_usl_evMon9 (ppb)
χ² / ndf 24.2 / 55
p0 −3.378 ± 5.026
1D pull distribution
Mean −0.01575 ± 0.08783
Std Dev 0.6572 ± 0.0621
Underflow 0
Overflow 0
χ² / ndf 7.151 / 5
Constant 29.09 ± 5.47
Mean 0.06202 ± 0.05223
Sigma 0.3574 ± 0.0433

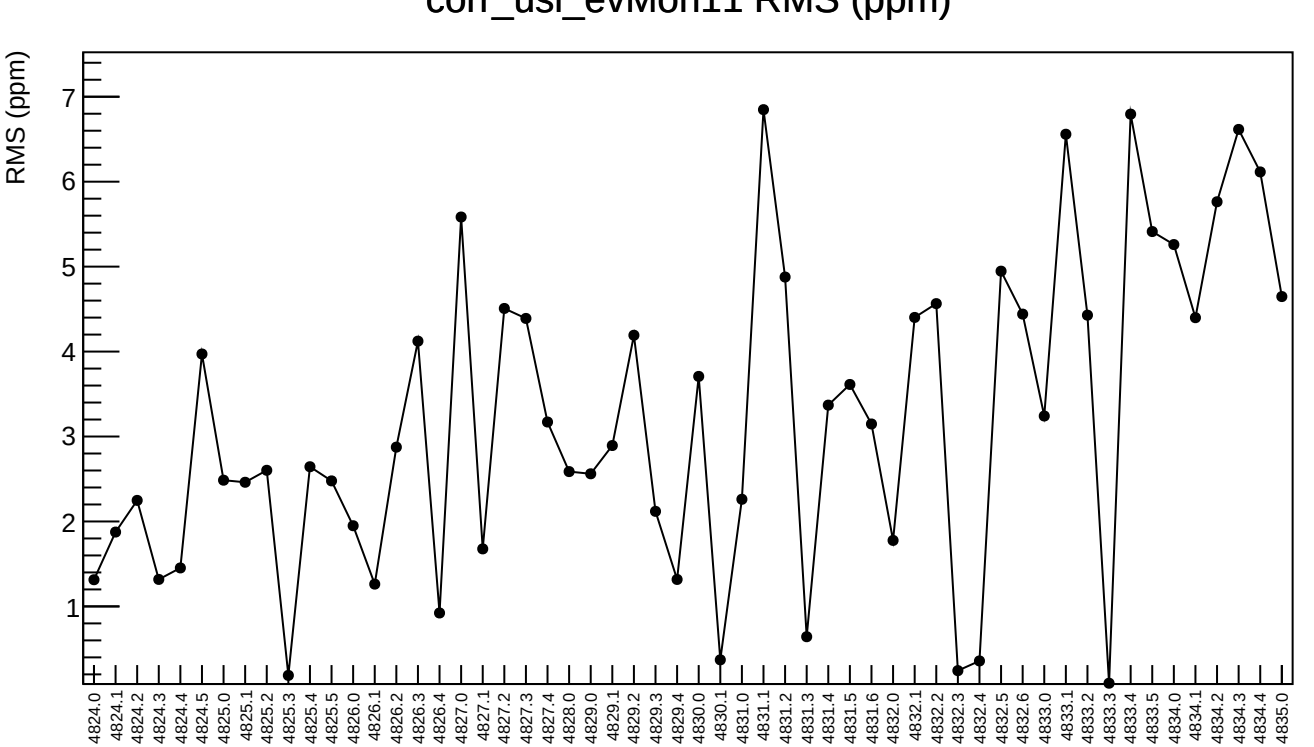

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

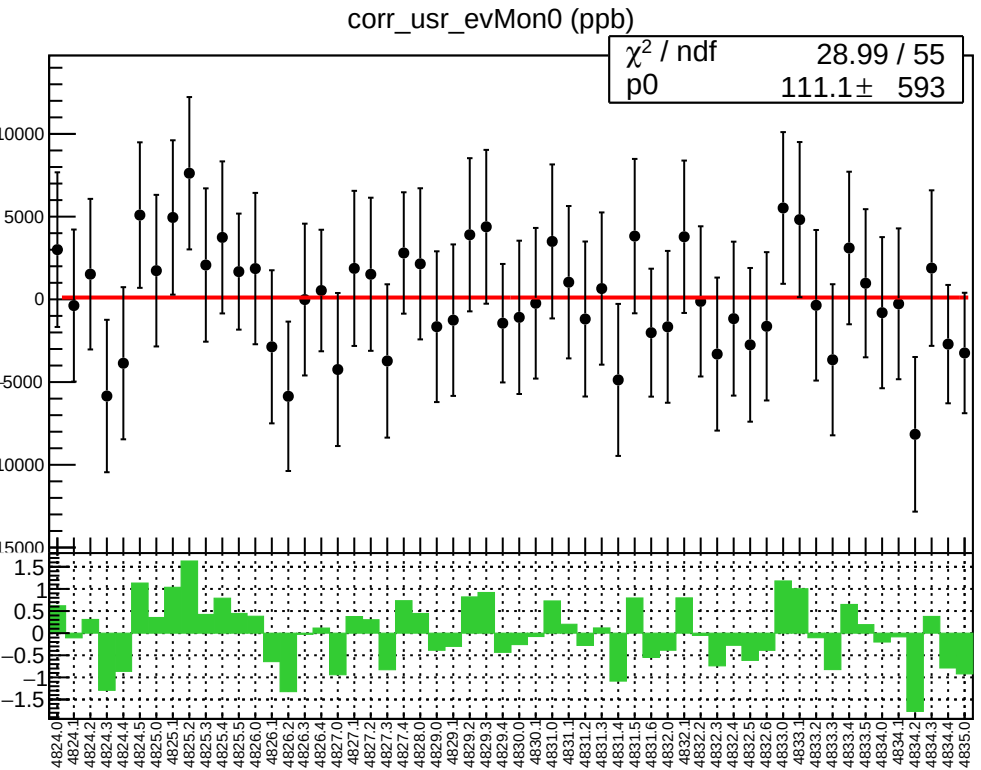

corr_usl_evMon10 (ppb)
χ² / ndf 65.24 / 55
p0 −7.864 ± 10.2
1D pull distribution
Mean 0.004922 ± 0.1442
Std Dev 1.079 ± 0.102
Underflow 0
Overflow 0
χ² / ndf 8.744 / 6
Constant 15.77 ± 3.16
Mean −0.03491 ± 0.10364
Sigma 0.6415 ± 0.0931

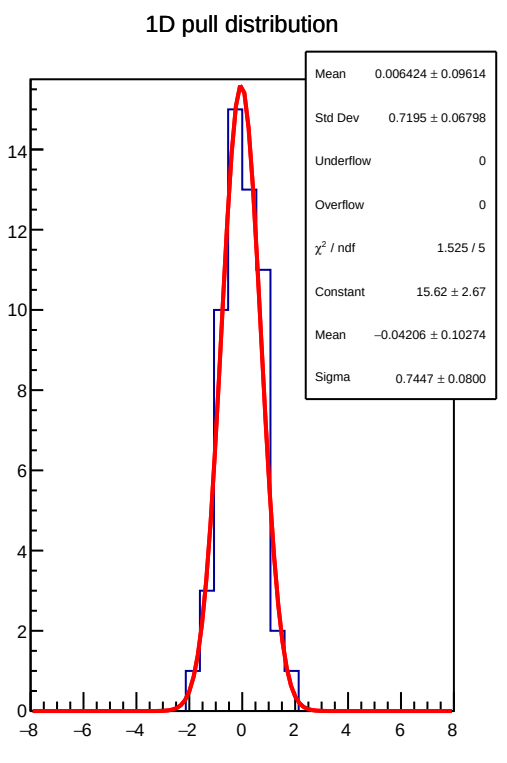

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
4
2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

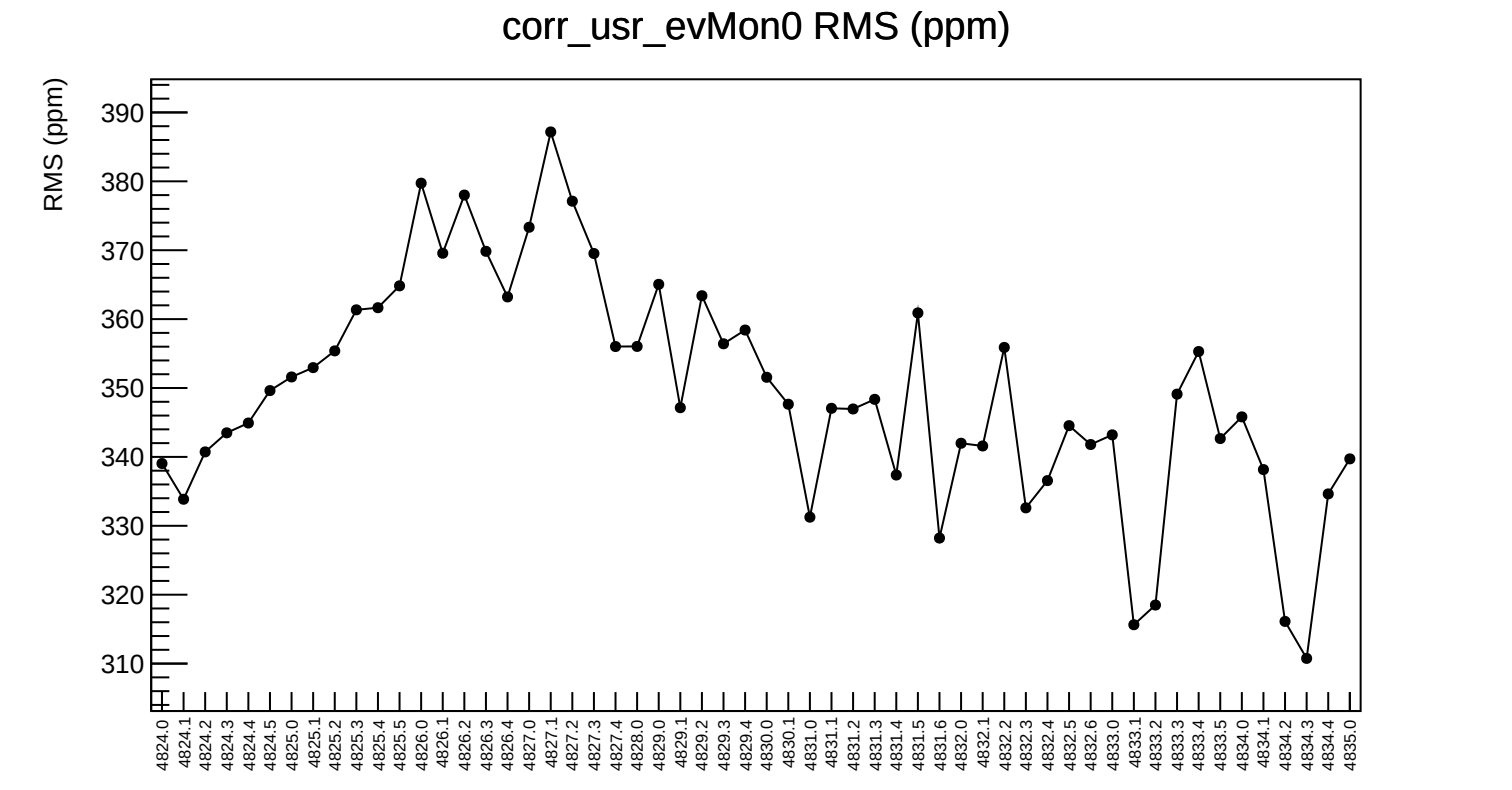

corr_usl_evMon11 (ppb)
χ² / ndf 19.83 / 55
p0 −2.355 ± 7.305
100
50
0
−50
−100
−150
−200
1
0.5
0
−0.5
−1
−1.5
−2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

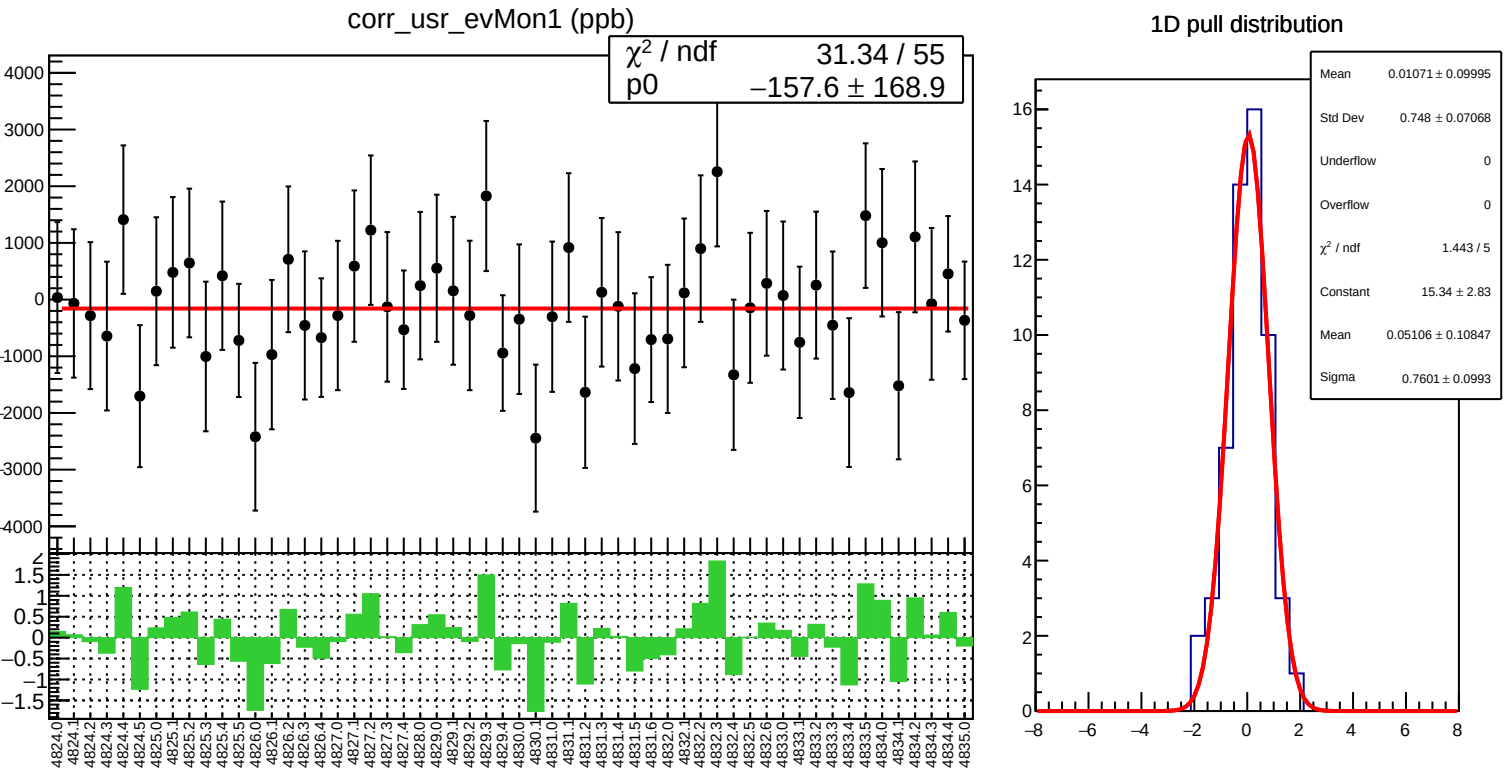

1D pull distribution
Mean 0.009177 ± 0.0795
Std Dev 0.5949 ± 0.05622
Underflow 0
Overflow 0
χ² / ndf 2.18 / 4
Constant 18.74 ± 3.73
Mean 0.0447 ± 0.0854
Sigma 0.6139 ± 0.0925
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

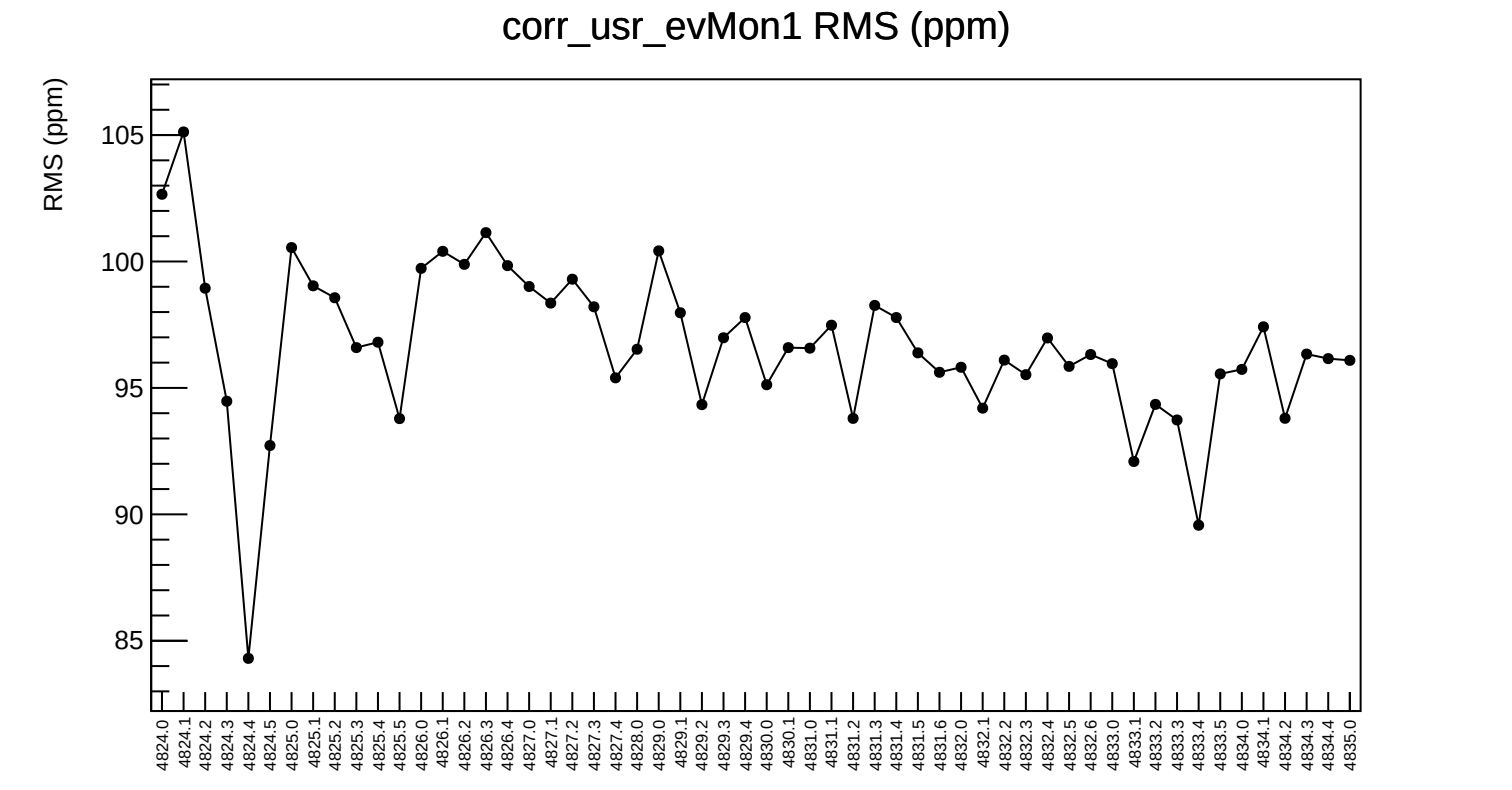

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

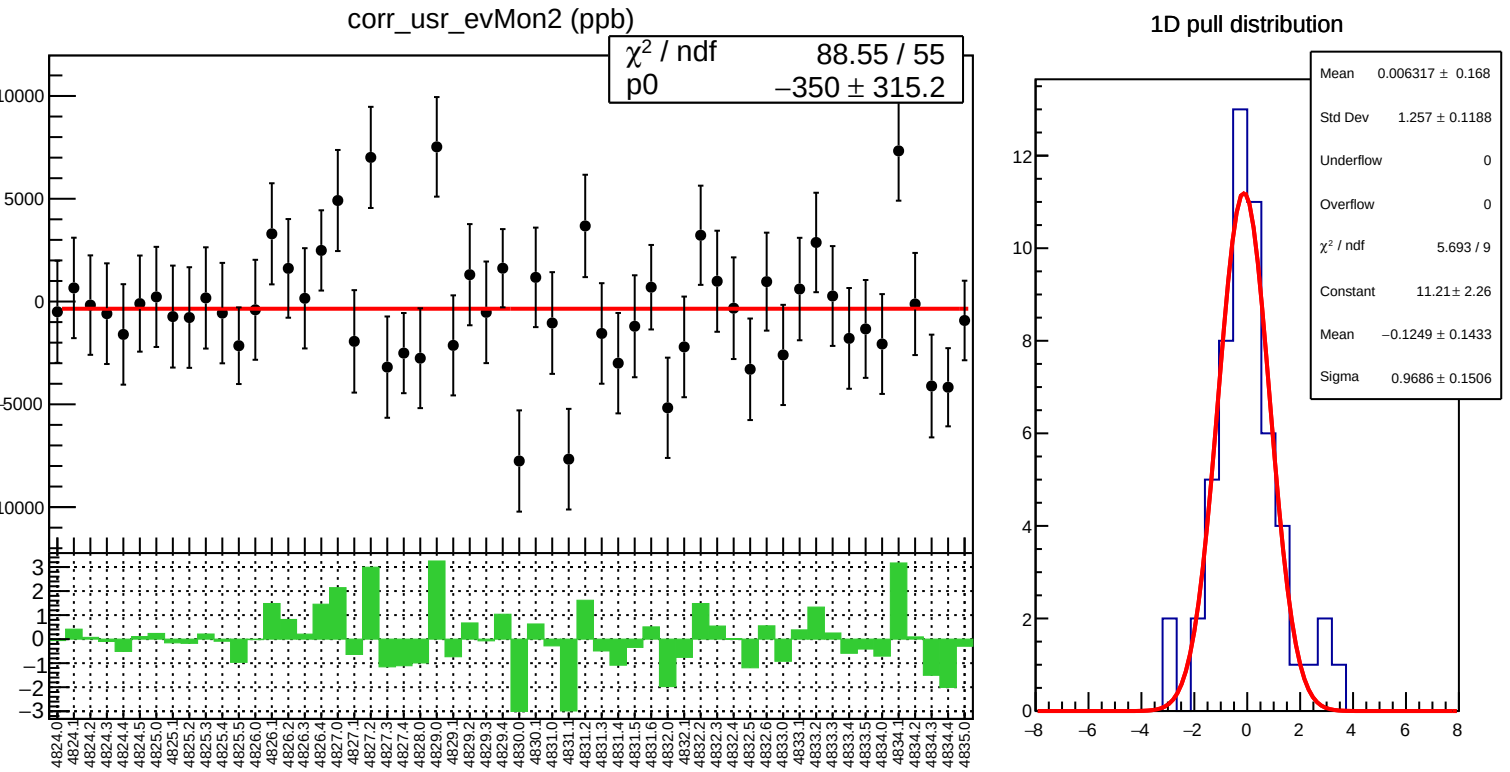

corr_usr_evMon0 (ppb)
χ² / ndf 28.99 / 55
p0 111.1± 593
10000
5000
0
-5000
-10000
-15000
1.5
1
0.5
0
−0.5
−1
−1.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

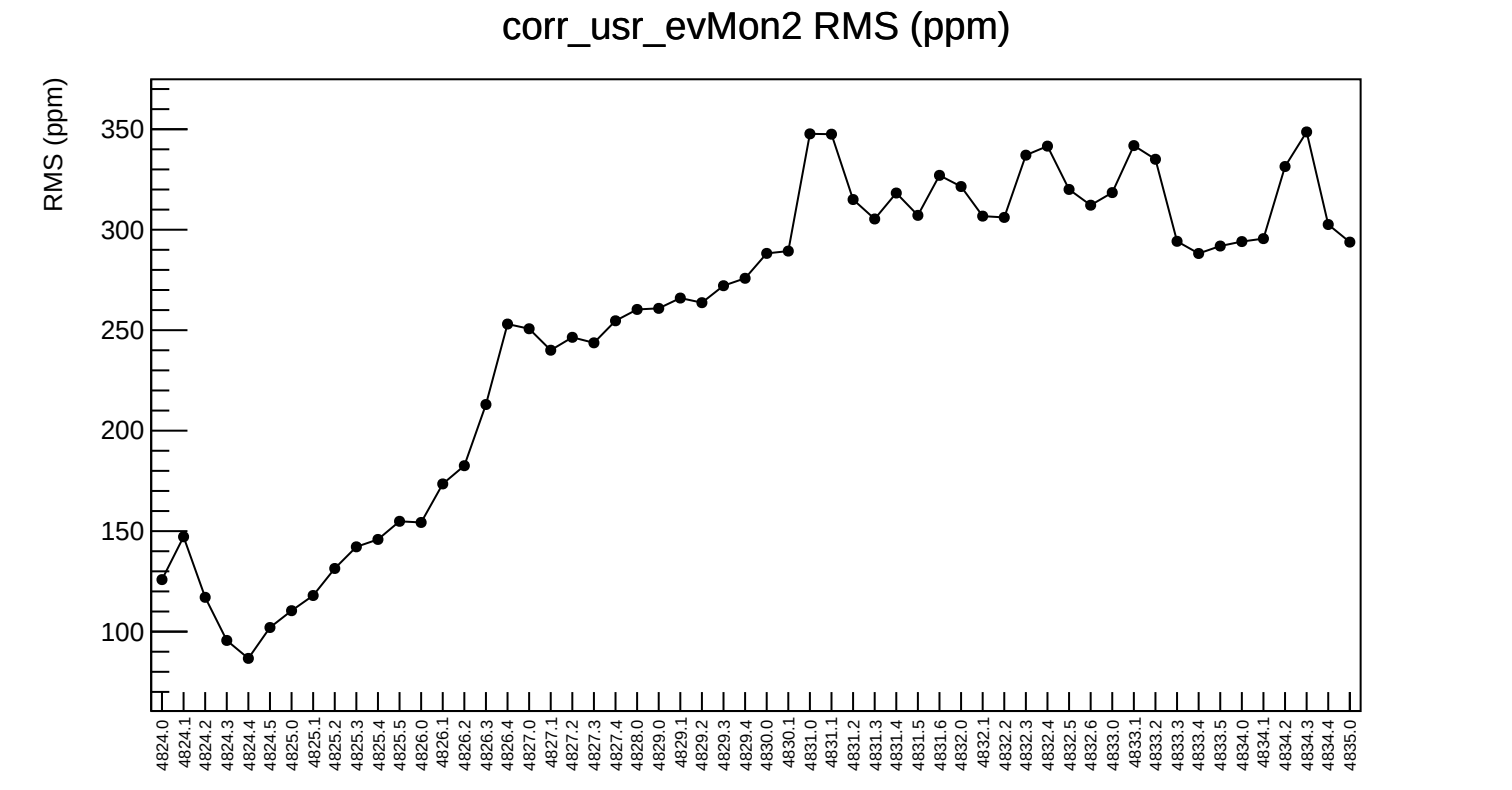

1D pull distribution
Mean 0.006424 ± 0.09614
Std Dev 0.7195 ± 0.06798
Underflow 0
Overflow 0
χ² / ndf 1.525 / 5
Constant 15.62 ± 2.67
Mean −0.04206 ± 0.10274
Sigma 0.7447 ± 0.0800
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

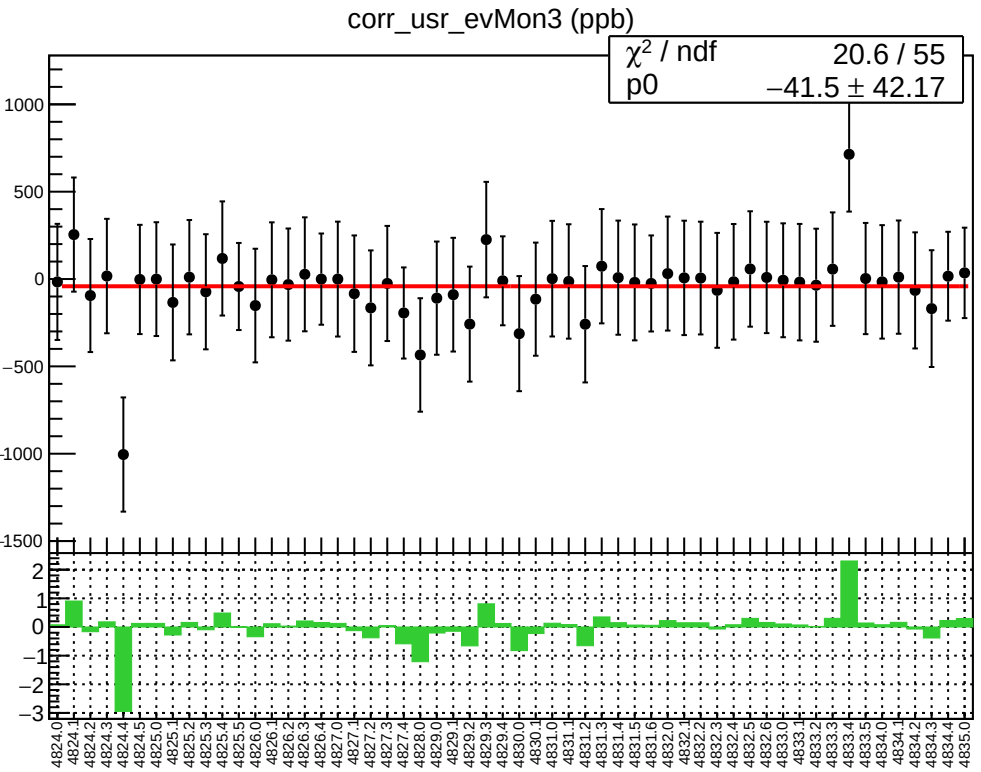

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
390
380
370
360
350
340
330
320
310
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

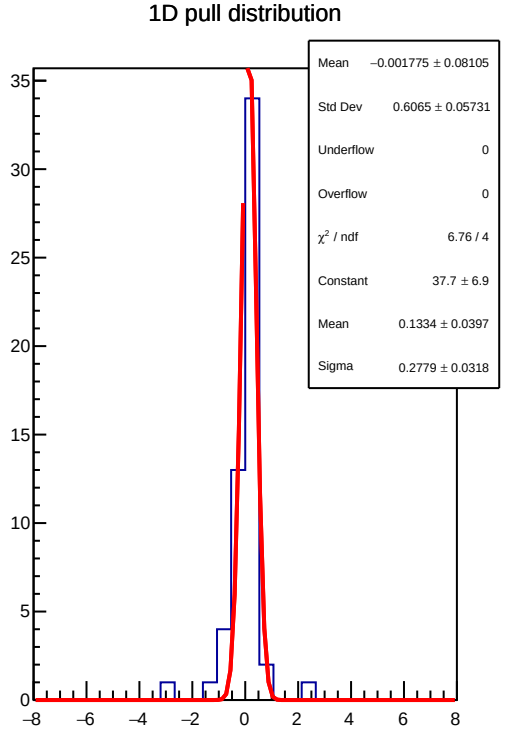

corr_usr_evMon1 (ppb)
χ² / ndf 31.34 / 55
p0 −157.6 ± 168.9
1D pull distribution
Mean 0.01071 ± 0.09995
Std Dev 0.748 ± 0.07068
Underflow 0
Overflow 0
χ² / ndf 1.443 / 5
Constant 15.34 ± 2.83
Mean 0.05106 ± 0.10847
Sigma 0.7601 ± 0.0993

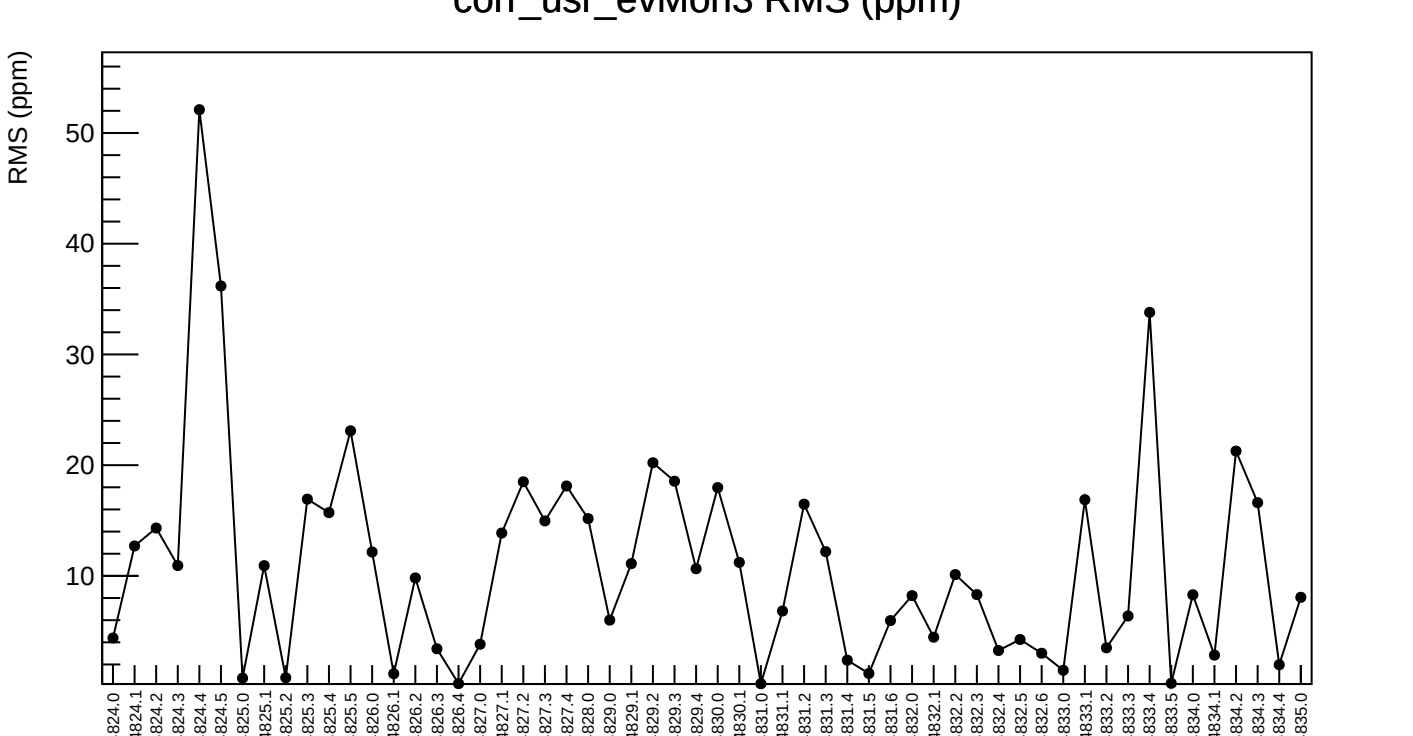

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
105
100
95
90
85
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

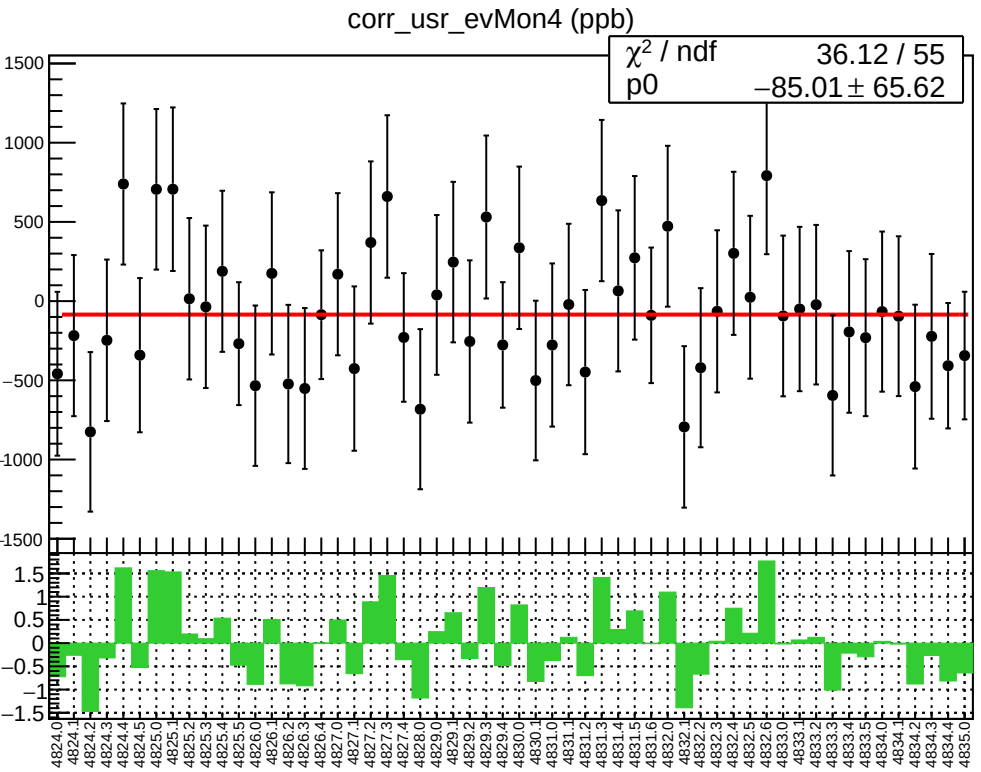

corr_usr_evMon2 (ppb)
χ² / ndf 88.55 / 55
p0 −350 ± 315.2
10000
5000
0
−5000
−10000
3
2
1
0
−1
−2
−3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean 0.006317 ± 0.168
Std Dev 1.257 ± 0.1188
Underflow 0
Overflow 0
χ² / ndf 5.693 / 9
Constant 11.21 ± 2.26
Mean −0.1249 ± 0.1433
Sigma 0.9686 ± 0.1506
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

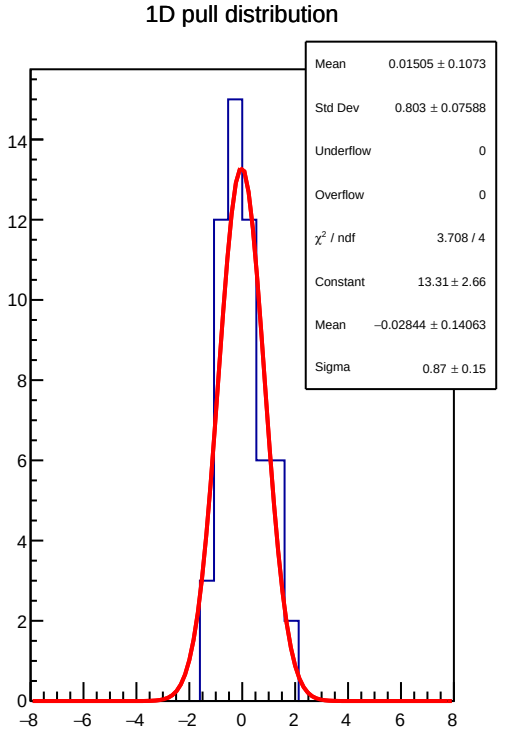

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
350
300
250
200
150
100
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

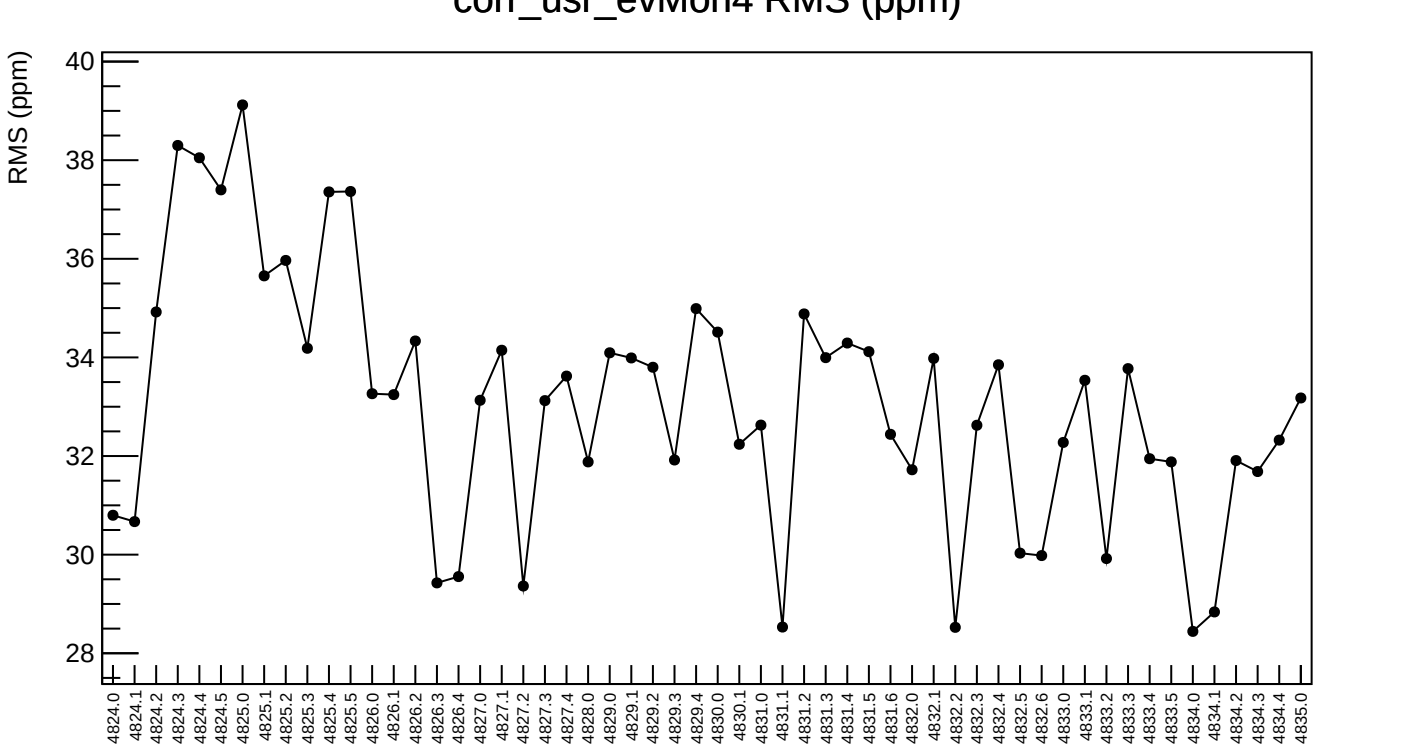

corr_usr_evMon3 (ppb)
χ² / ndf 20.6 / 55
p0 −41.5 ± 42.17
1000
500
0
−500
−1000
−1500
2
1
0
−1
−2
−3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

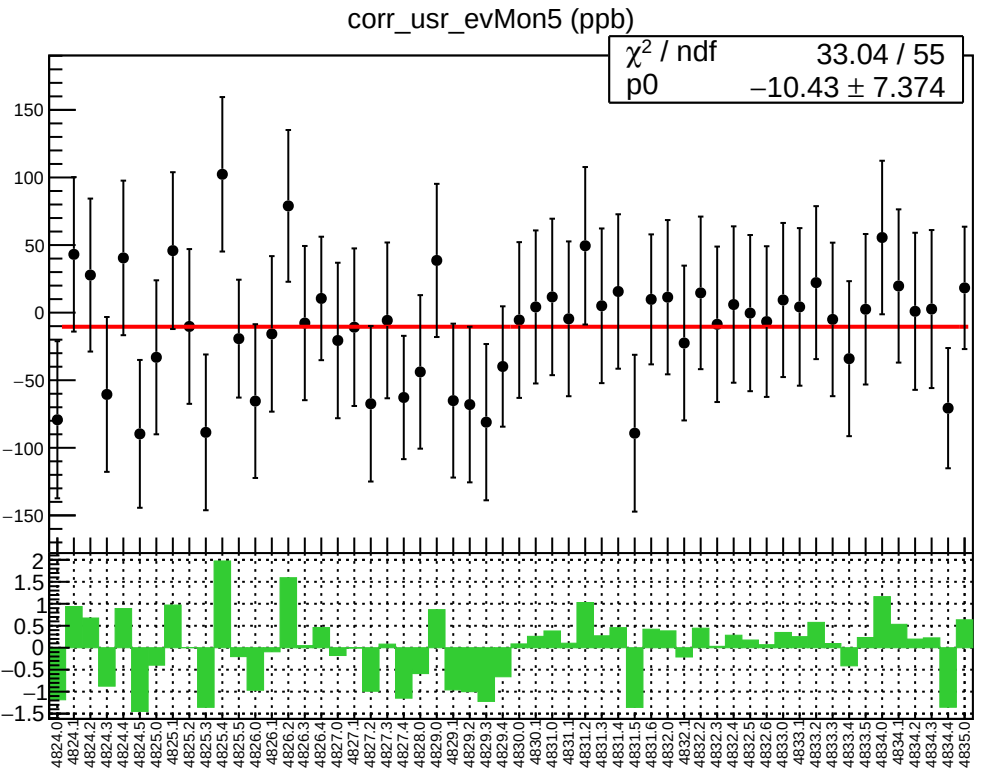

1D pull distribution
Mean −0.001775 ± 0.08105
Std Dev 0.6065 ± 0.05731
Underflow 0
Overflow 0
χ² / ndf 6.76 / 4
Constant 37.7 ± 6.9
Mean 0.1334 ± 0.0397
Sigma 0.2779 ± 0.0318
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

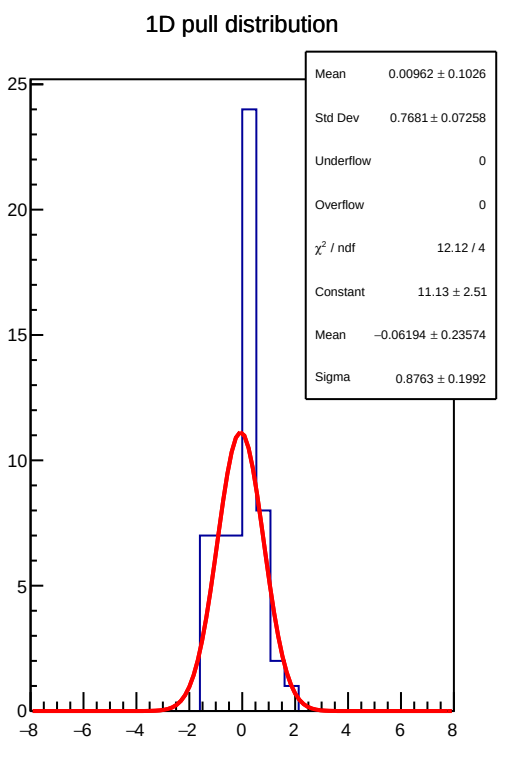

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
50
40
30
20
10
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

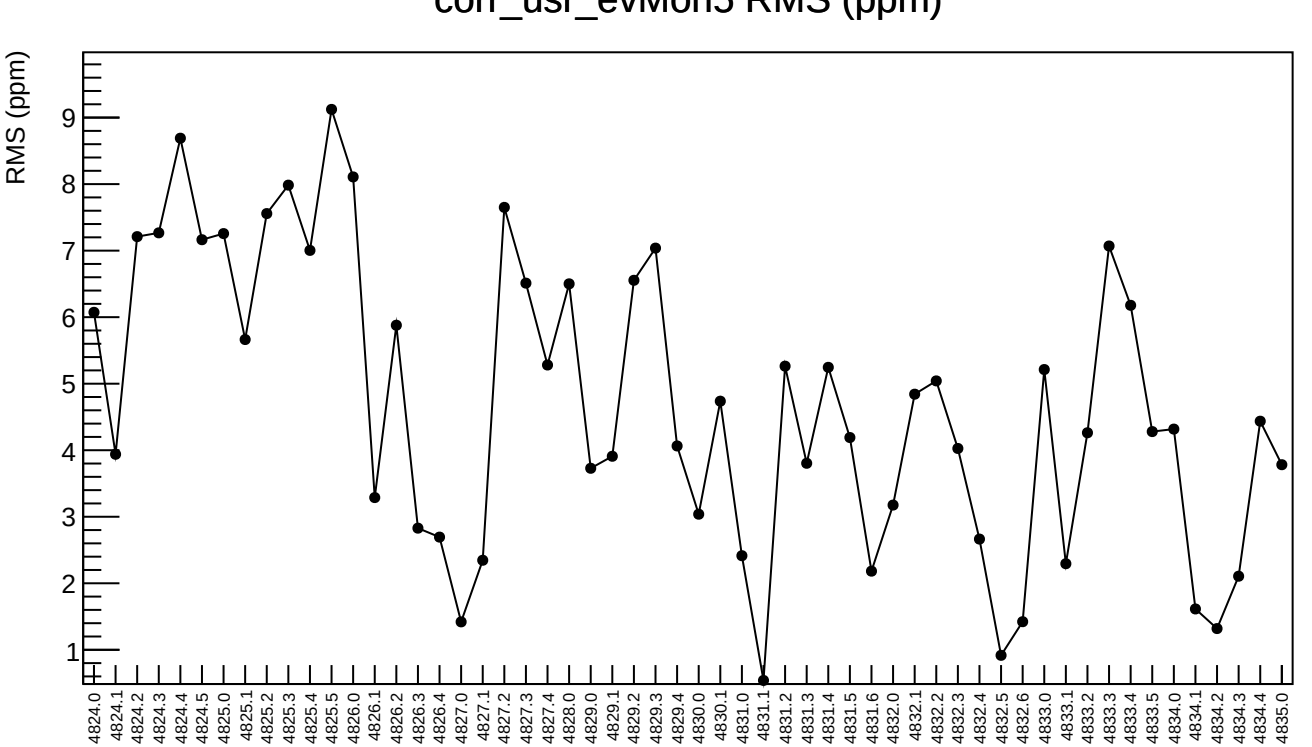

corr_usr_evMon4 (ppb)
χ² / ndf 36.12 / 55
p0 −85.01 ± 65.62
1500
1000
500
0
−500
−1000
−1500
1.5
1
0.5
0
−0.5
−1
−1.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

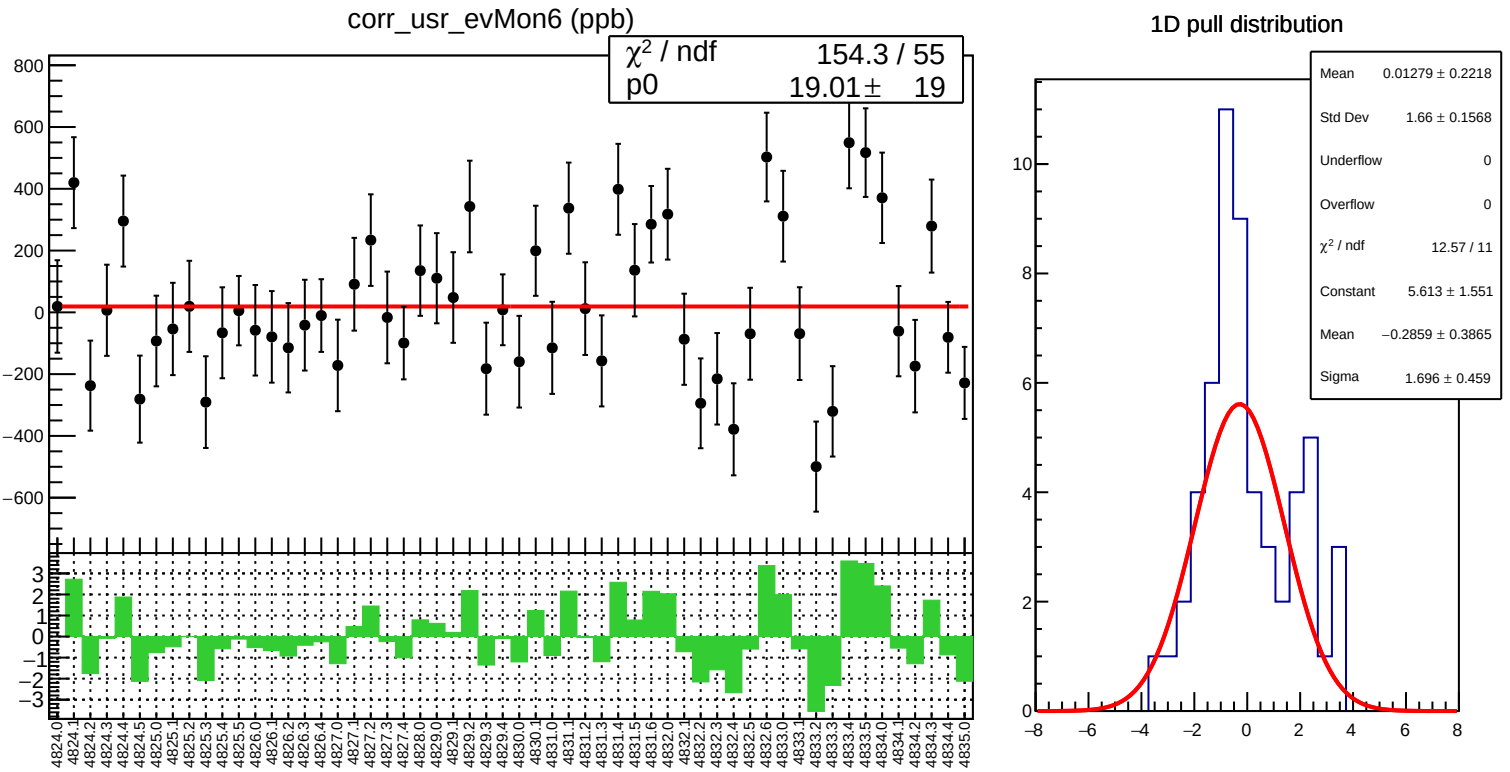

1D pull distribution
Mean 0.01505 ± 0.1073
Std Dev 0.803 ± 0.07588
Underflow 0
Overflow 0
χ² / ndf 3.708 / 4
Constant 13.31 ± 2.66
Mean −0.02844 ± 0.14063
Sigma 0.87 ± 0.15
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

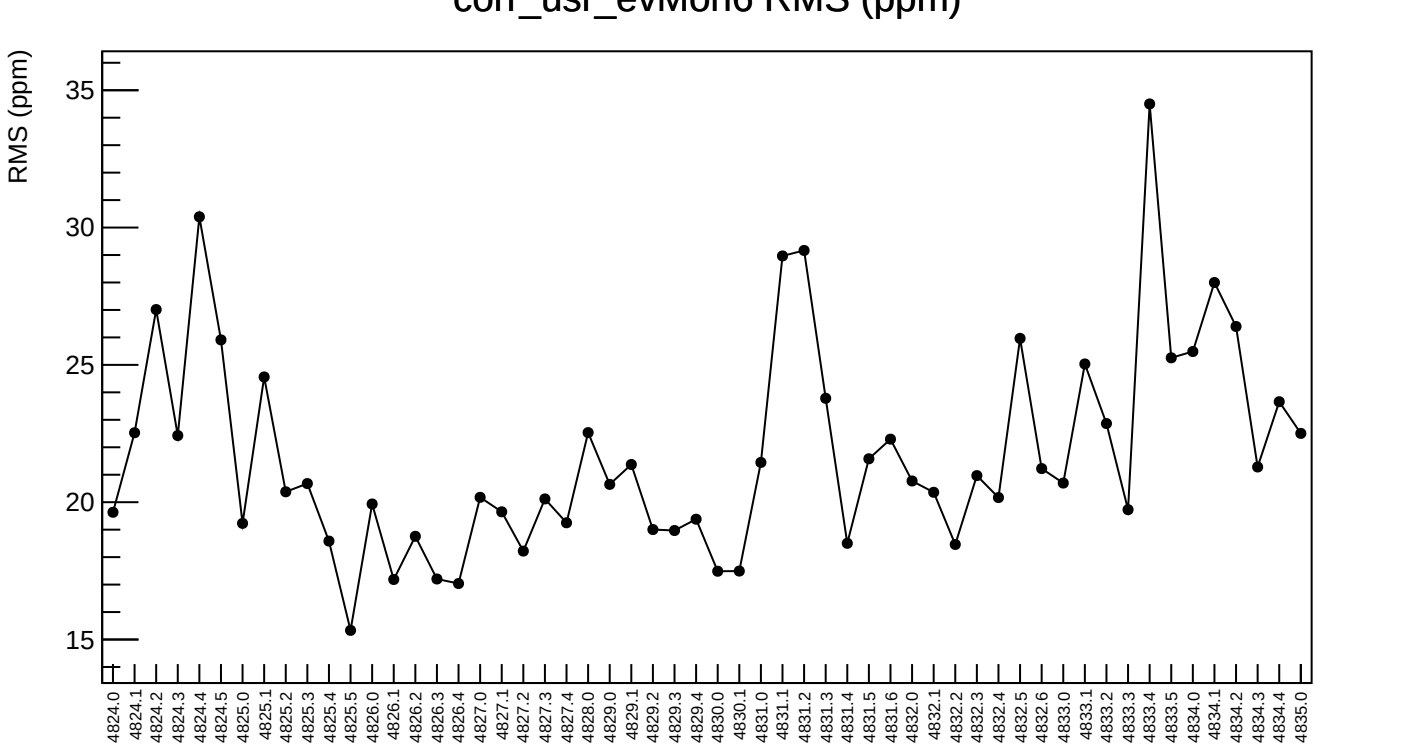

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
40
38
36
34
32
30
28
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

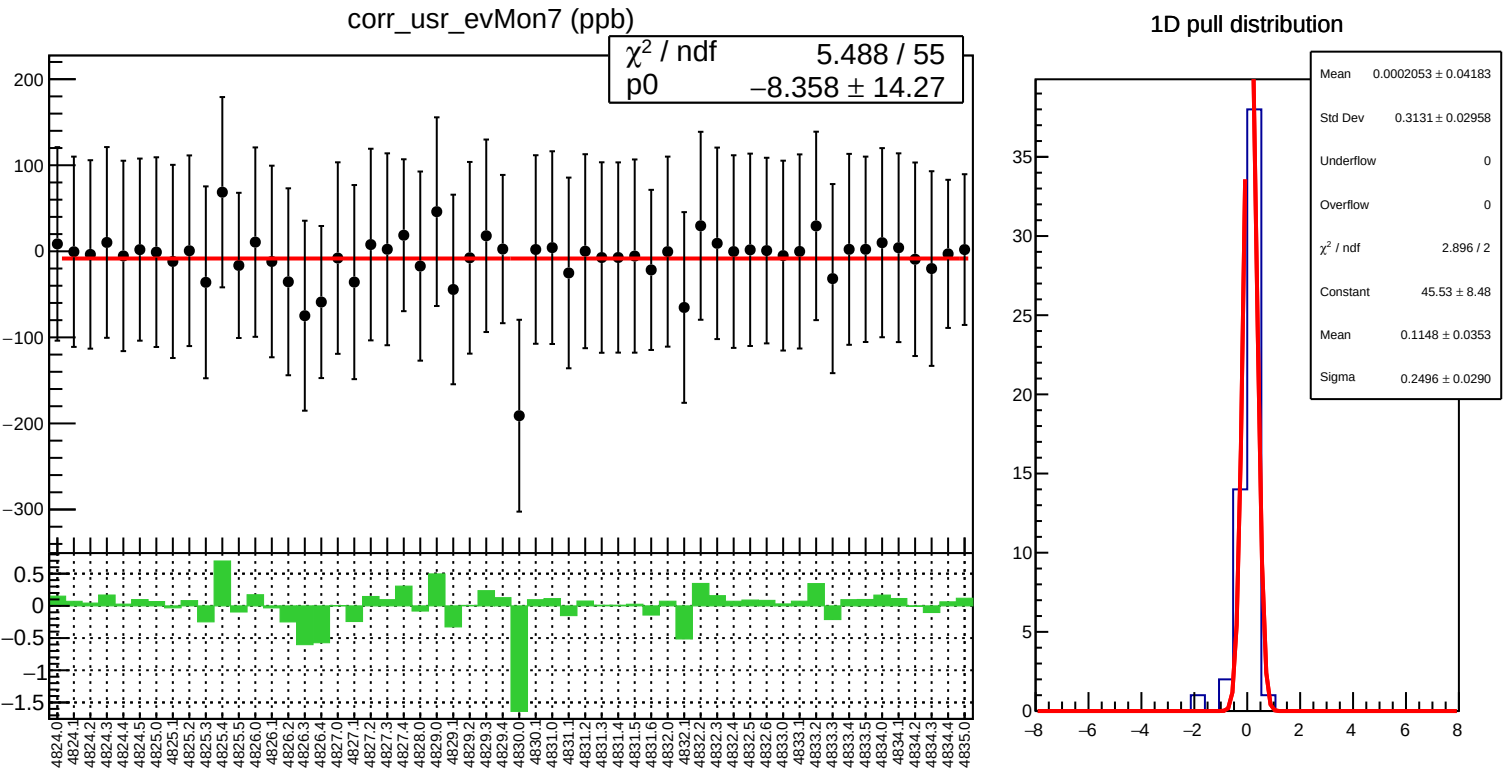

corr_usr_evMon5 (ppb)
χ² / ndf 33.04 / 55
p0 −10.43 ± 7.374

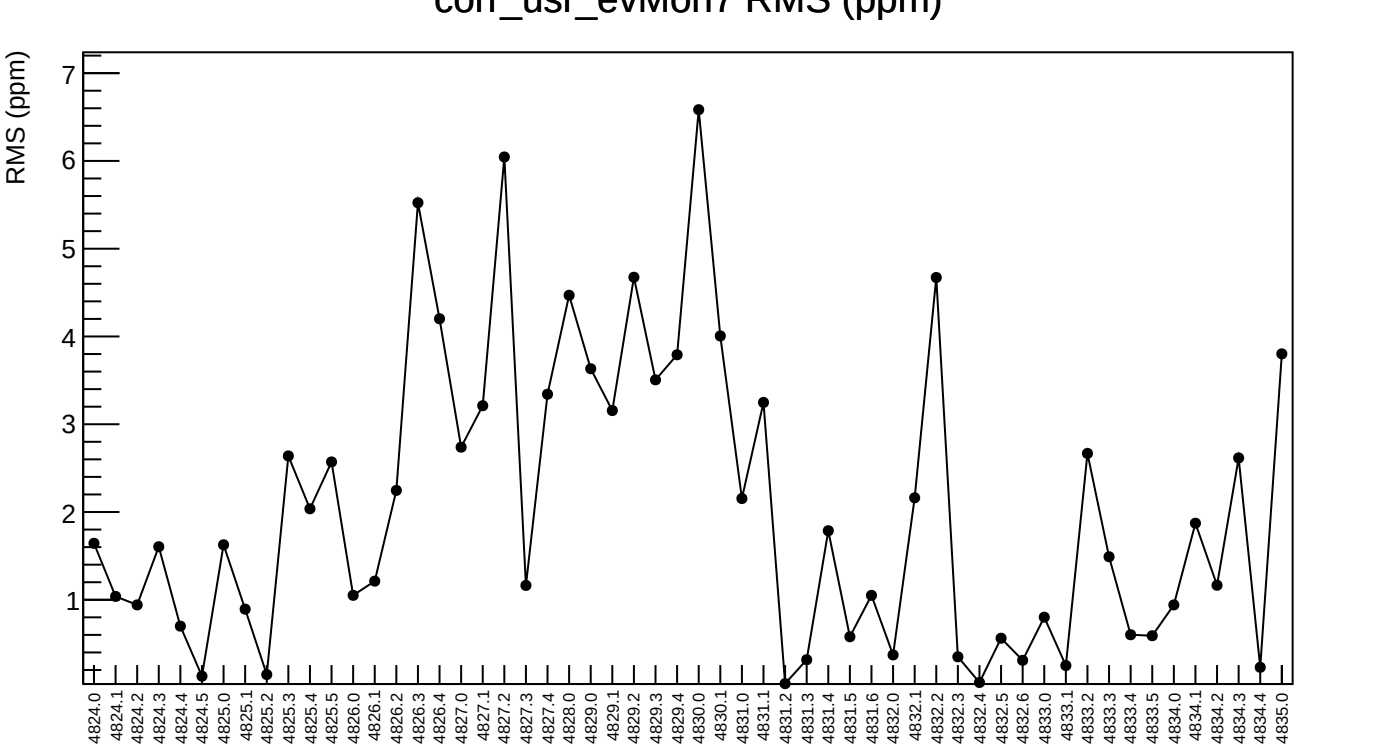

1D pull distribution
Mean 0.00962 ± 0.1026
Std Dev 0.7681 ± 0.07258
Underflow 0
Overflow 0
χ² / ndf 12.12 / 4
Constant 11.13 ± 2.51
Mean −0.06194 ± 0.23574
Sigma 0.8763 ± 0.1992

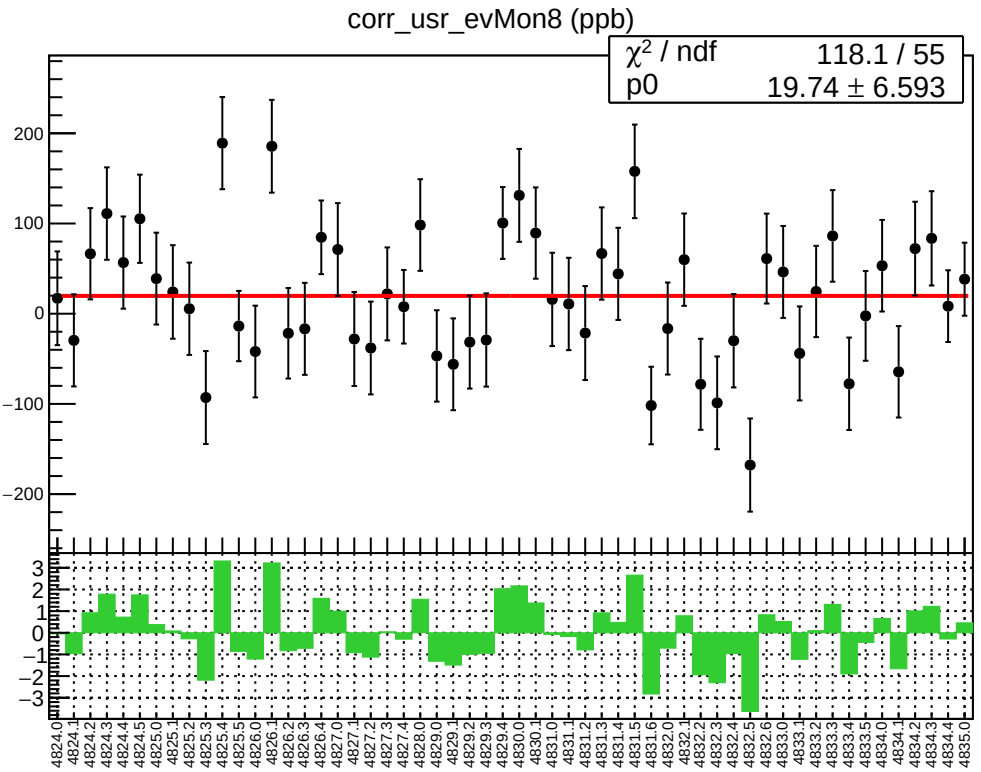

corr_usr_evMon5 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
9
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

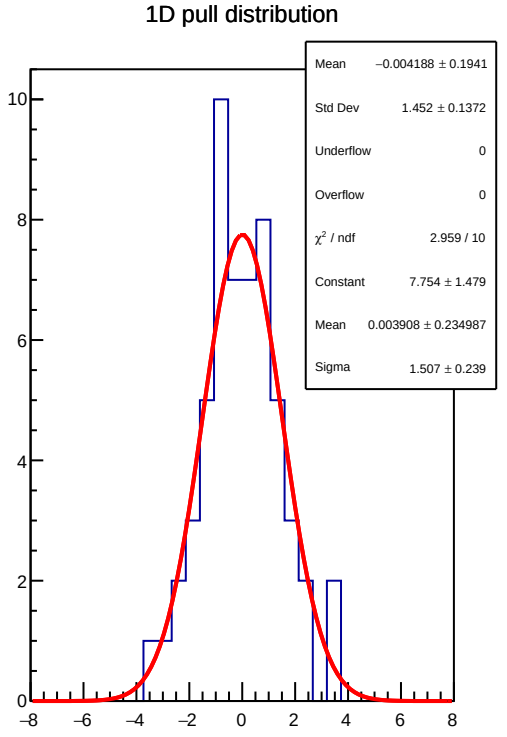

corr_usr_evMon6 (ppb)
χ² / ndf 154.3 / 55
p0 19.01 ± 19
800
600
400
200
0
−200
−400
−600
3
2
1
0
−1
−2
−3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean 0.01279 ± 0.2218
Std Dev 1.66 ± 0.1568
Underflow 0
Overflow 0
χ² / ndf 12.57 / 11
Constant 5.613 ± 1.551
Mean −0.2859 ± 0.3865
Sigma 1.696 ± 0.459
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

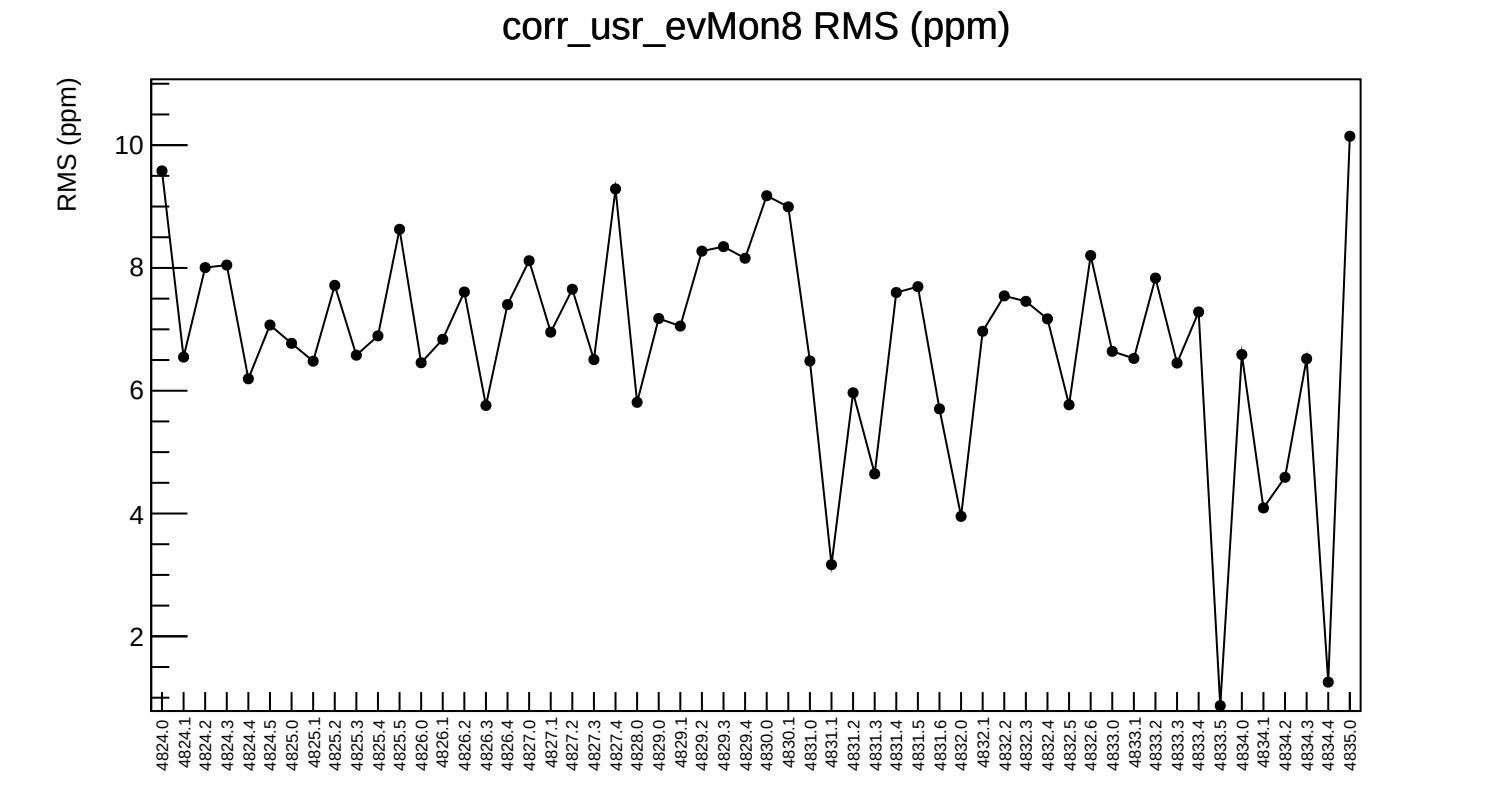

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
35
30
25
20
15
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

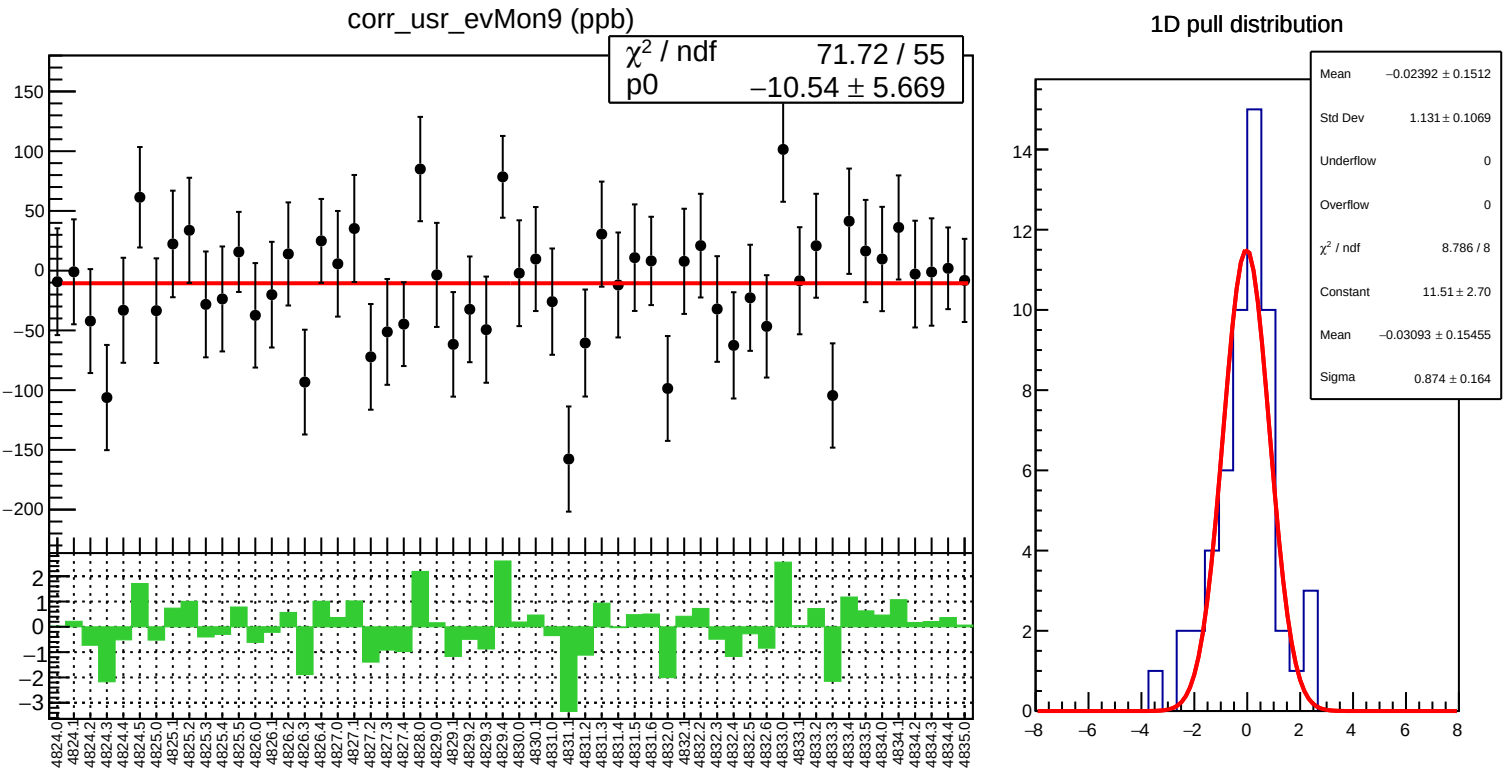

corr_usr_evMon7 (ppb)
χ² / ndf 5.488 / 55
p0 −8.358 ± 14.27
1D pull distribution
Mean 0.0002053 ± 0.04183
Std Dev 0.3131 ± 0.02958
Underflow 0
Overflow 0
χ² / ndf 2.896 / 2
Constant 45.53 ± 8.48
Mean 0.1148 ± 0.0353
Sigma 0.2496 ± 0.0290

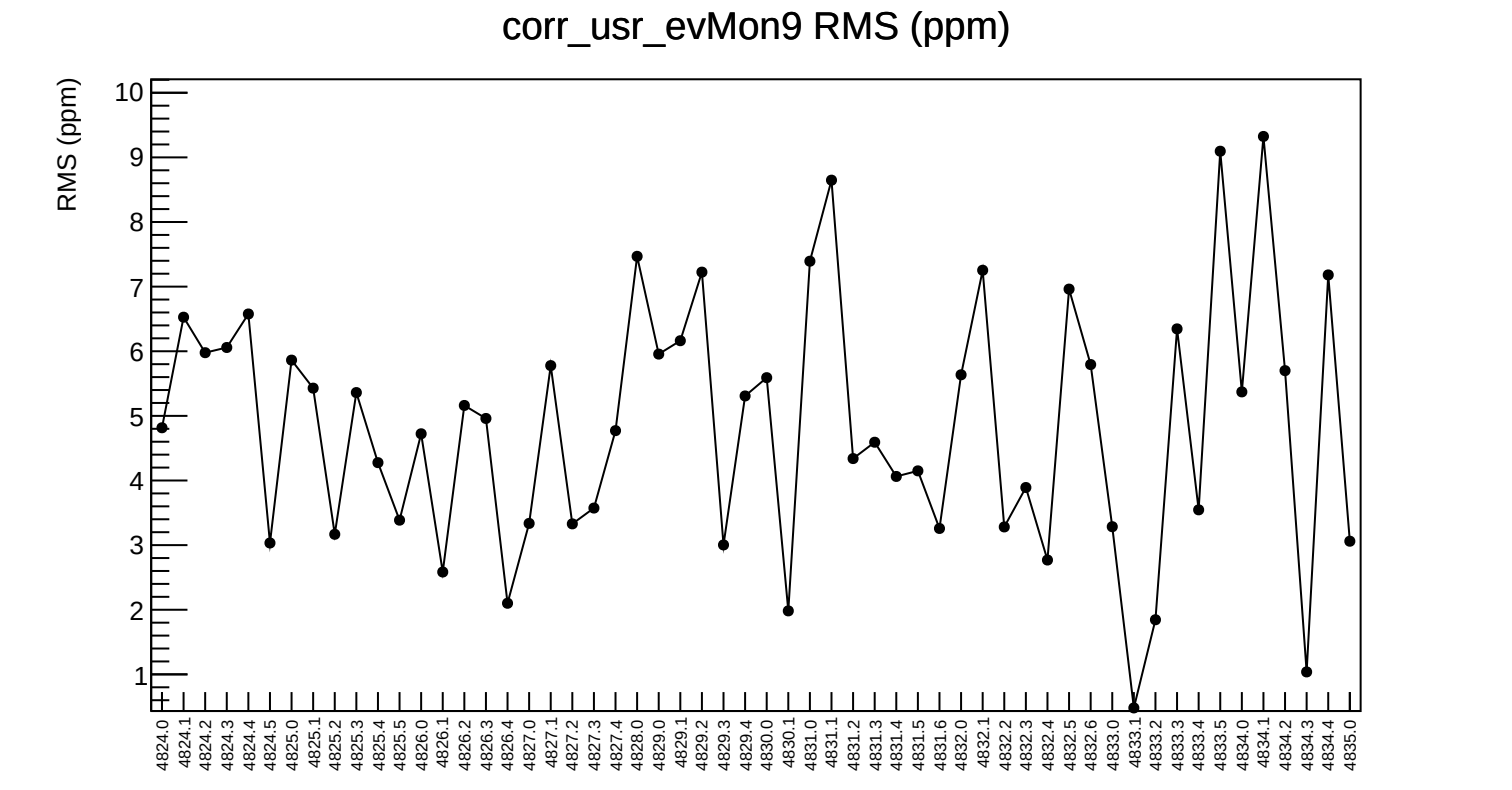

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

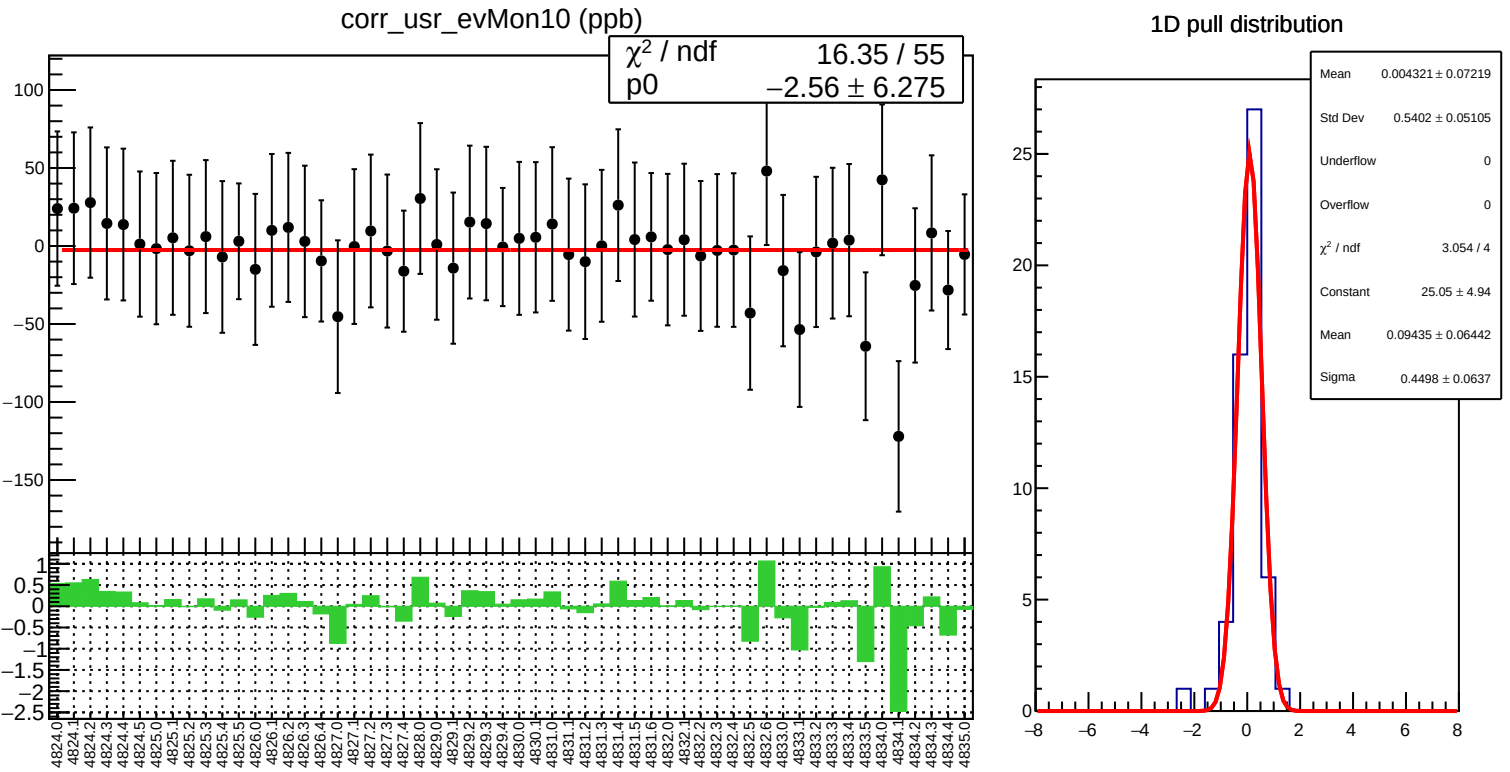

corr_usr_evMon8 (ppb)
χ² / ndf 118.1 / 55
p0 19.74 ± 6.593
200
100
0
−100
−200
3
2
1
0
−1
−2
−3
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

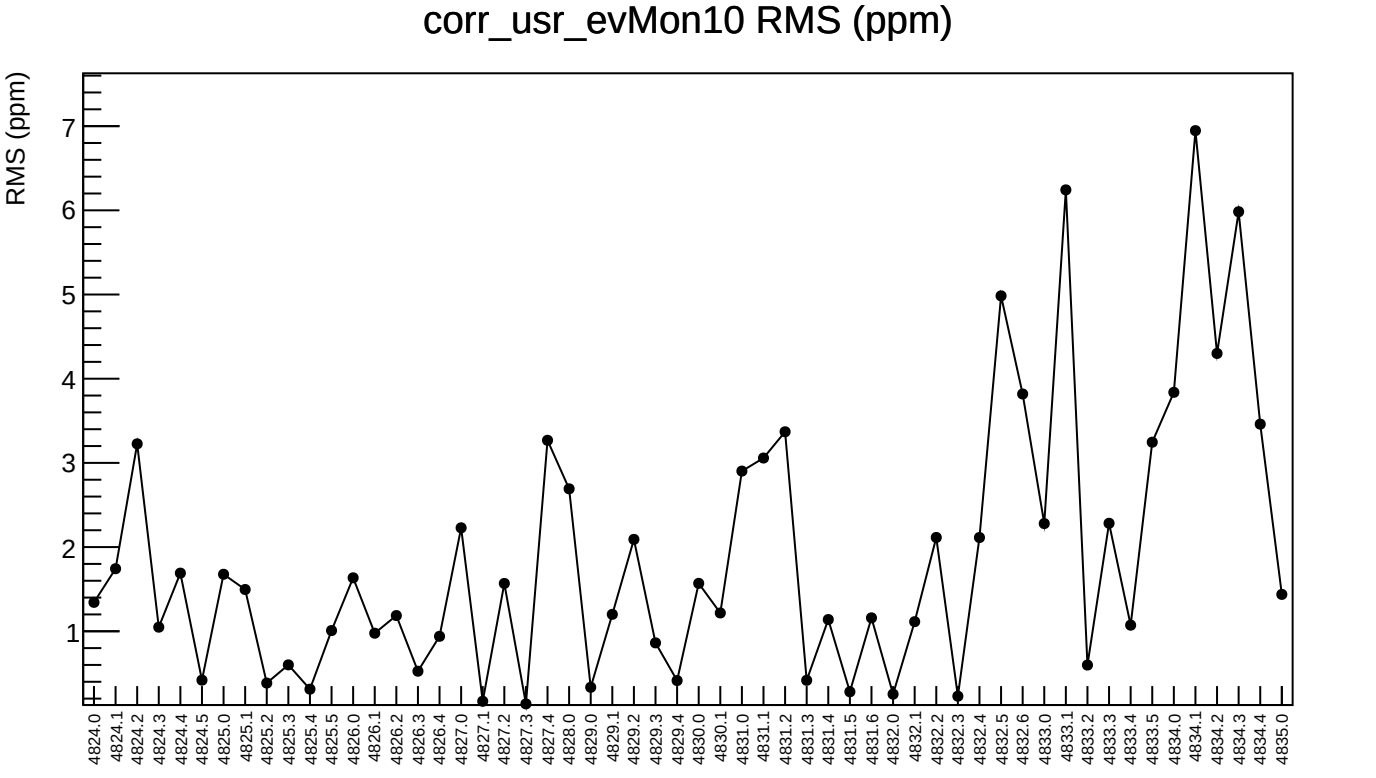

1D pull distribution
Mean −0.004188 ± 0.1941
Std Dev 1.452 ± 0.1372
Underflow 0
Overflow 0
χ² / ndf 2.959 / 10
Constant 7.754 ± 1.479
Mean 0.003908 ± 0.234987
Sigma 1.507 ± 0.239
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

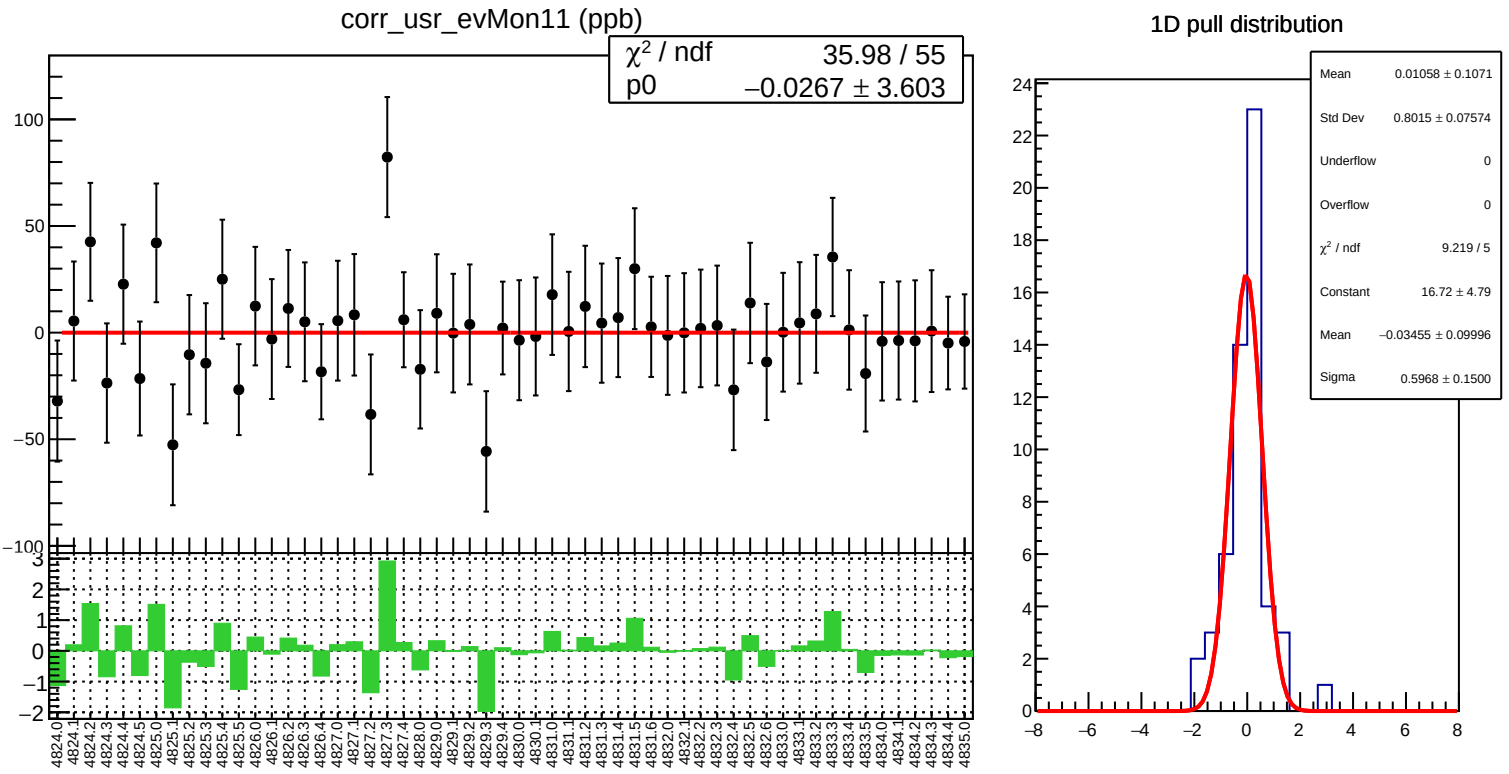

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
10
8
6
4
2
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0

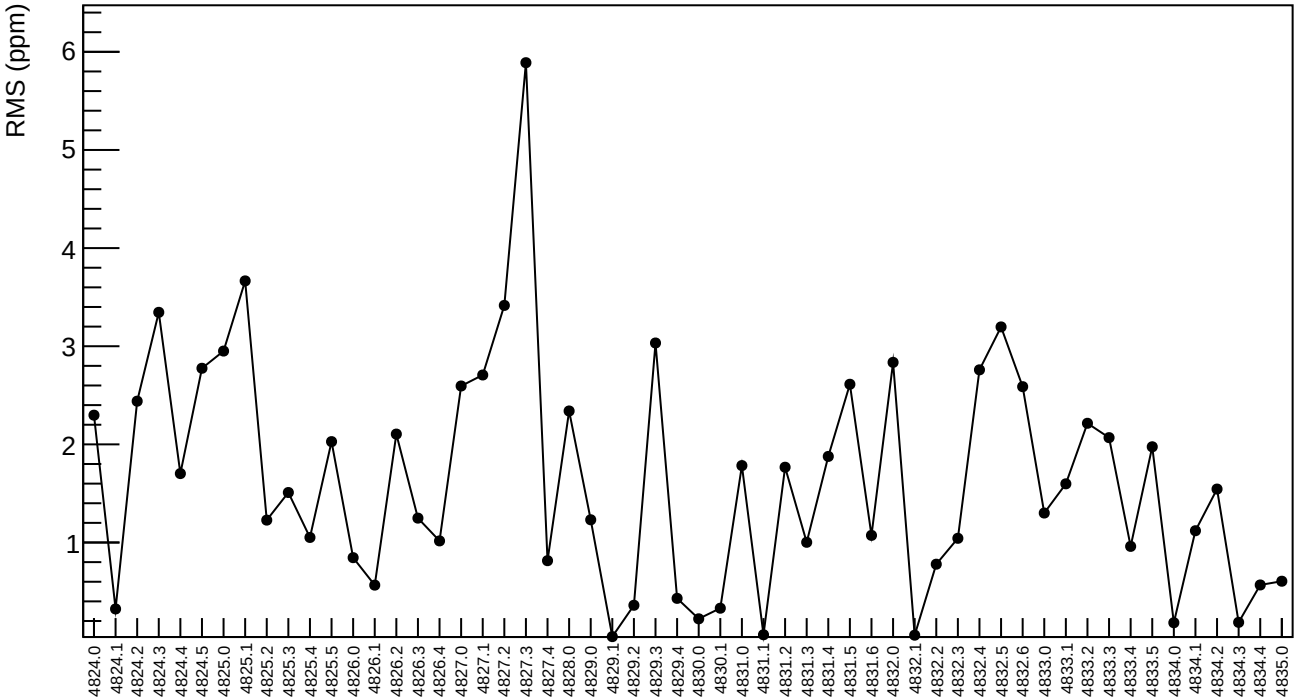

corr_usr_evMon9 (ppb)
χ² / ndf 71.72 / 55
p0 −10.54 ± 5.669
1D pull distribution
Mean −0.02392 ± 0.1512
Std Dev 1.131 ± 0.1069
Underflow 0
Overflow 0
χ² / ndf 8.786 / 8
Constant 11.51 ± 2.70
Mean −0.03093 ± 0.15455
Sigma 0.874 ± 0.164


corr_usr_evMon9 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
2
1
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0


corr_usr_evMon10 (ppb)
χ² / ndf 16.35 / 55
p0 −2.56 ± 6.275
100
50
0
−50
−100
−150
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0
1D pull distribution
Mean 0.004321 ± 0.07219
Std Dev 0.5402 ± 0.05105
Underflow 0
Overflow 0
χ² / ndf 3.054 / 4
Constant 25.05 ± 4.94
Mean 0.09435 ± 0.06442
Sigma 0.4498 ± 0.0637
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


corr_usr_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0


corr_usr_evMon11 (ppb)
χ² / ndf 35.98 / 55
p0 −0.0267 ± 3.603
1D pull distribution
Mean 0.01058 ± 0.1071
Std Dev 0.8015 ± 0.07574
Underflow 0
Overflow 0
χ² / ndf 9.219 / 5
Constant 16.72 ± 4.79
Mean −0.03455 ± 0.09996
Sigma 0.5968 ± 0.1500


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4824.0
4824.1
4824.2
4824.3
4824.4
4824.5
4825.0
4825.1
4825.2
4825.3
4825.4
4825.5
4826.0
4826.1
4826.2
4826.3
4826.4
4827.0
4827.1
4827.2
4827.3
4827.4
4828.0
4829.0
4829.1
4829.2
4829.3
4829.4
4830.0
4830.1
4831.0
4831.1
4831.2
4831.3
4831.4
4831.5
4831.6
4832.0
4832.1
4832.2
4832.3
4832.4
4832.5
4832.6
4833.0
4833.1
4833.2
4833.3
4833.4
4833.5
4834.0
4834.1
4834.2
4834.3
4834.4
4835.0