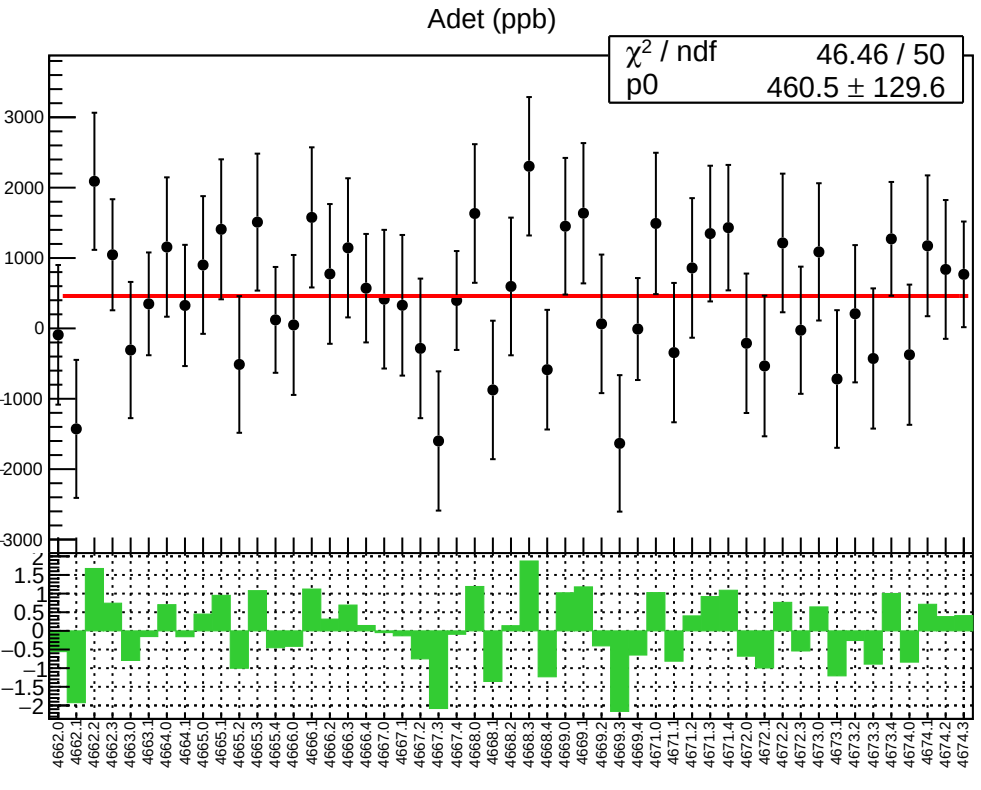
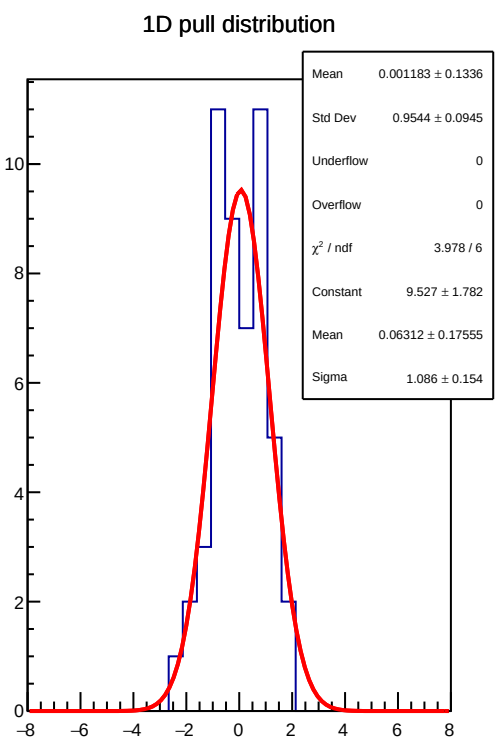
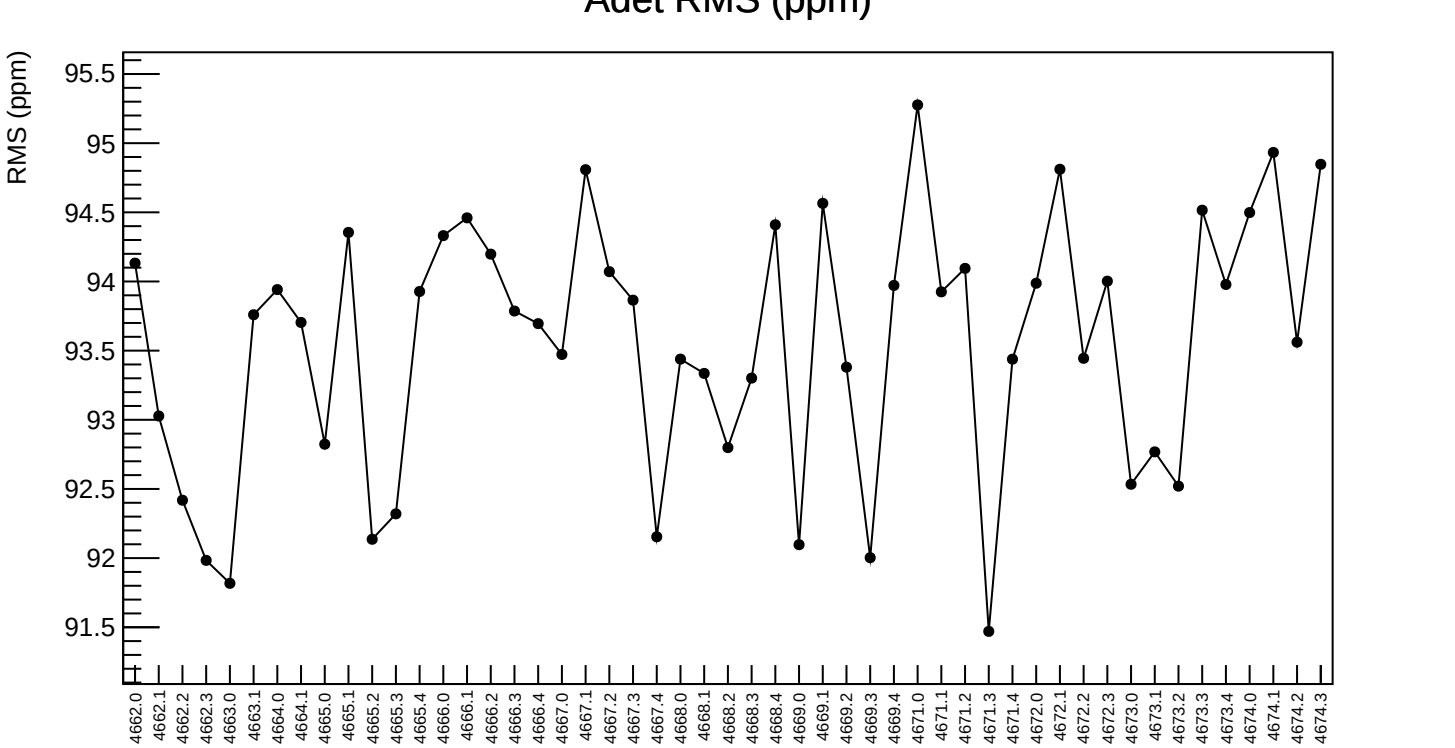
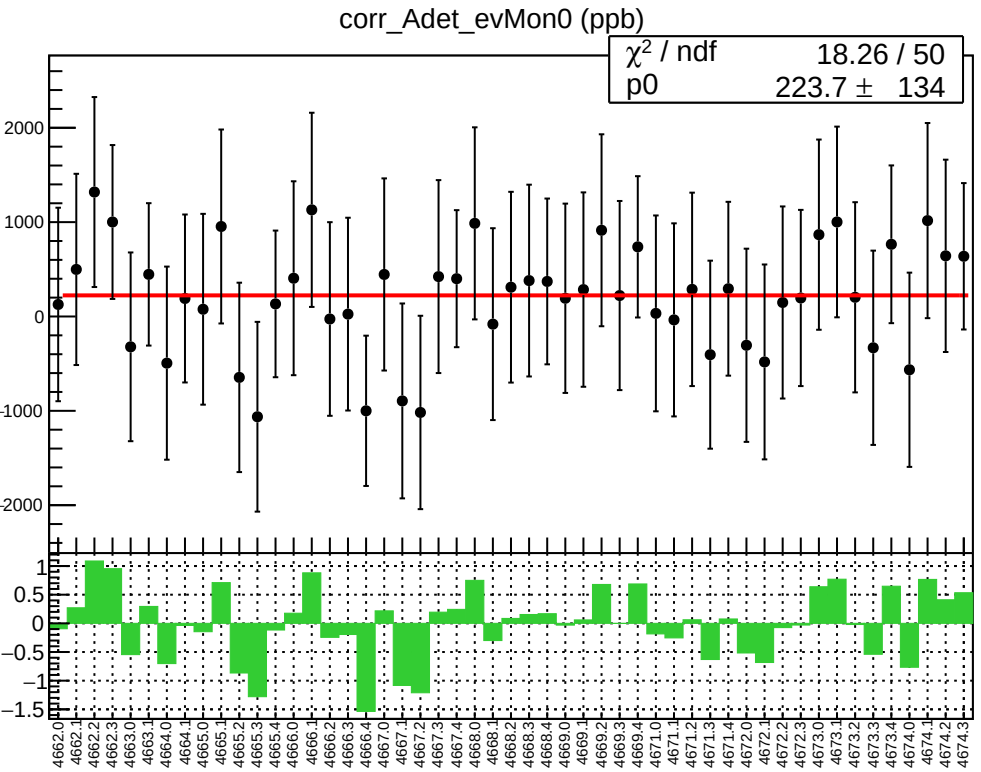
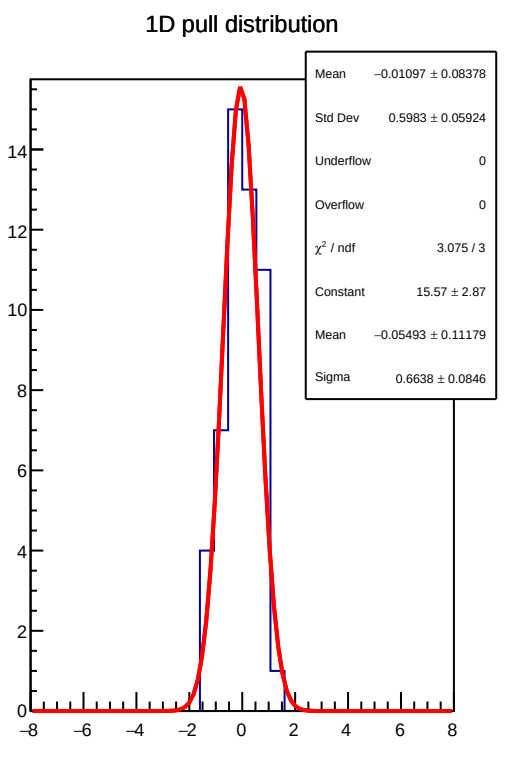
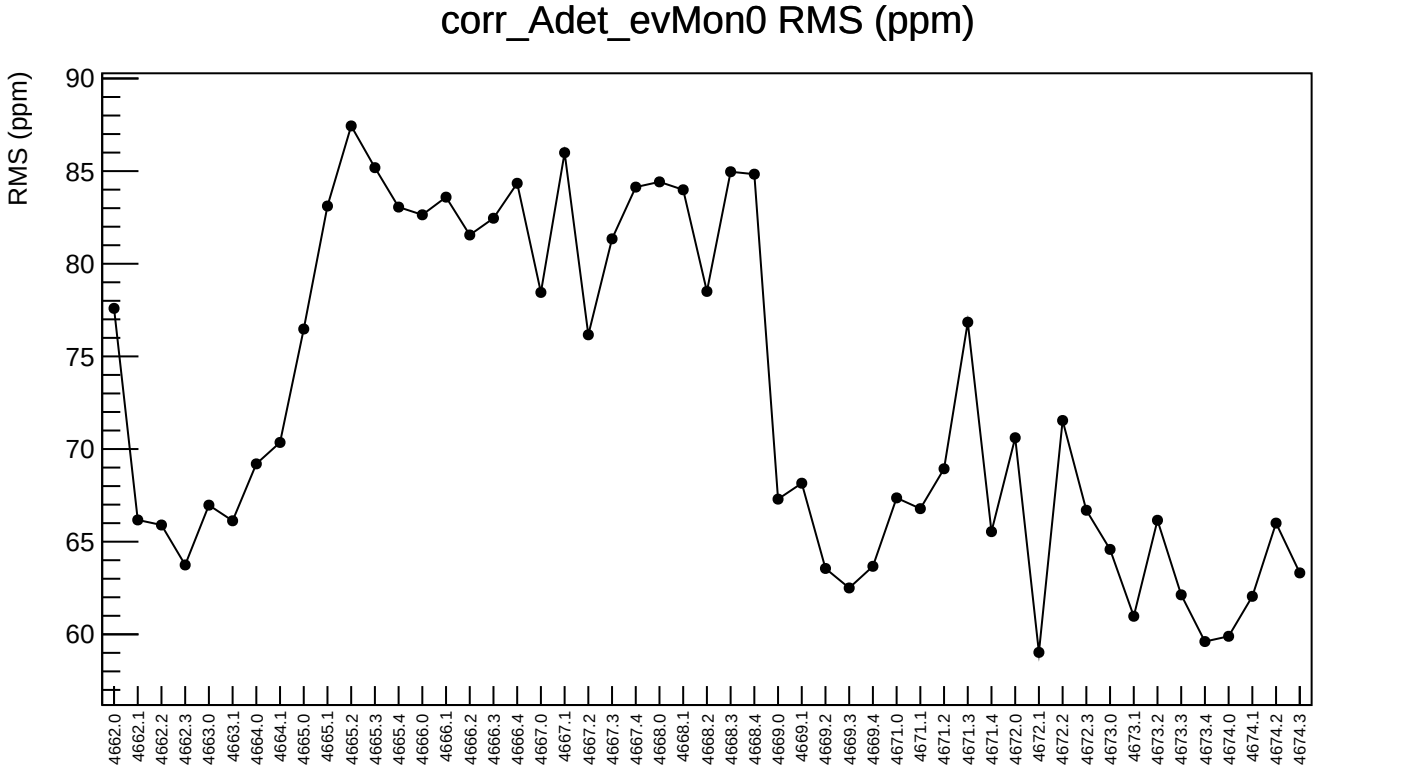

Adet (ppb)
χ² / ndf 46.46 / 50
p0 460.5 ± 129.6
3000
2000
1000
0
−1000
−2000
−3000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

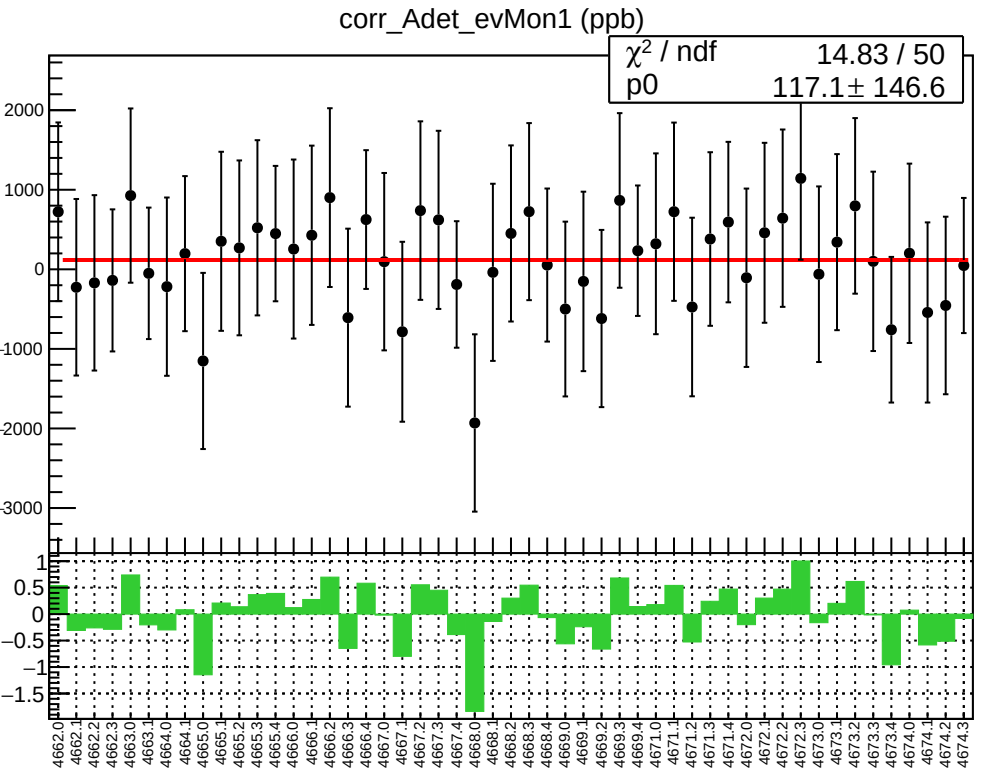

1D pull distribution
Mean 0.001183 ± 0.1336
Std Dev 0.9544 ± 0.0945
Underflow 0
Overflow 0
χ² / ndf 3.978 / 6
Constant 9.527 ± 1.782
Mean 0.06312 ± 0.17555
Sigma 1.086 ± 0.154
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

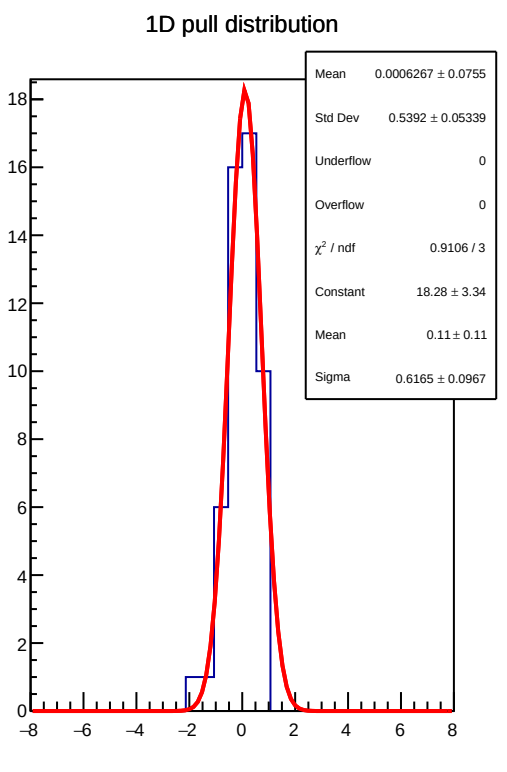

Adet RMS (ppm)
RMS (ppm)
95.5
95
94.5
94
93.5
93
92.5
92
91.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

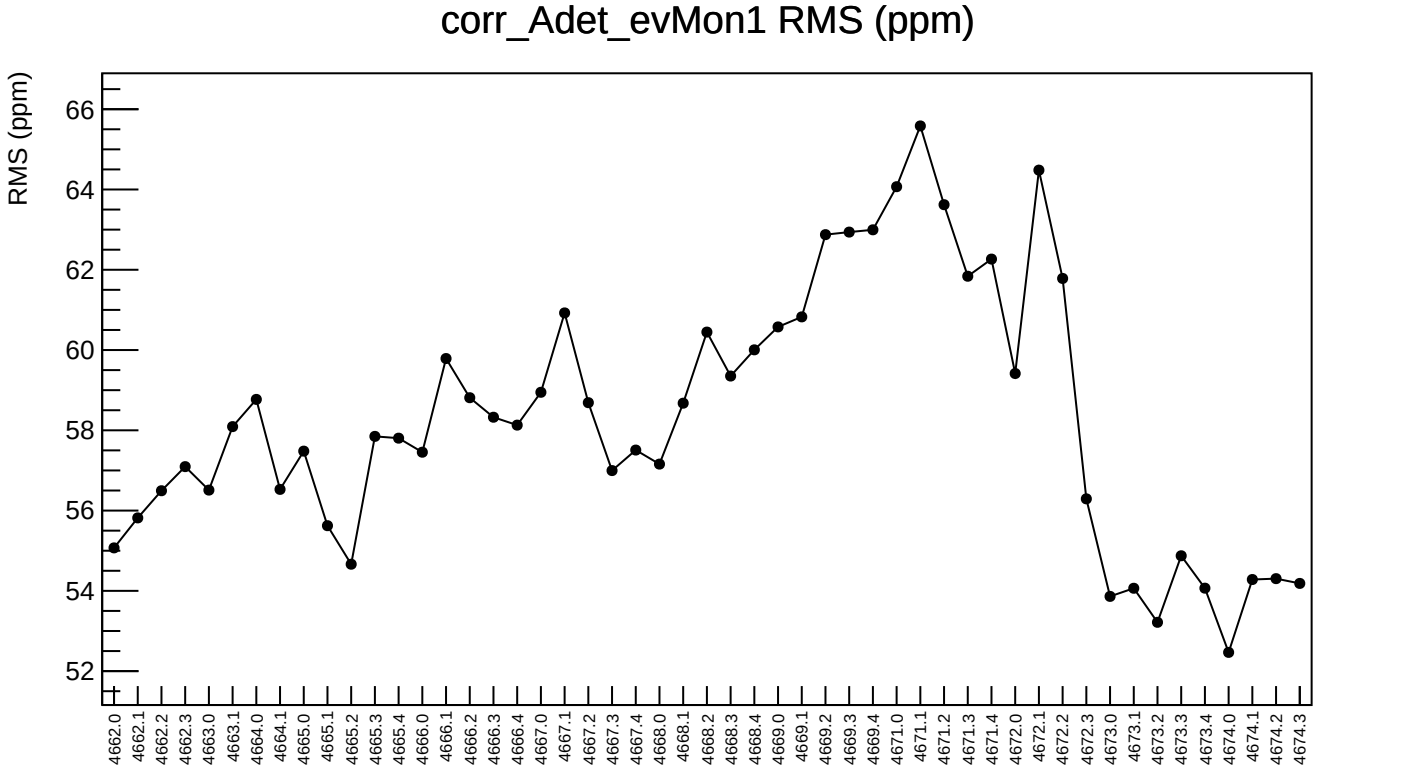

corr_Adet_evMon0 (ppb)
χ² / ndf 18.26 / 50
p0 223.7 ± 134
2000
1000
0
-1000
-2000
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

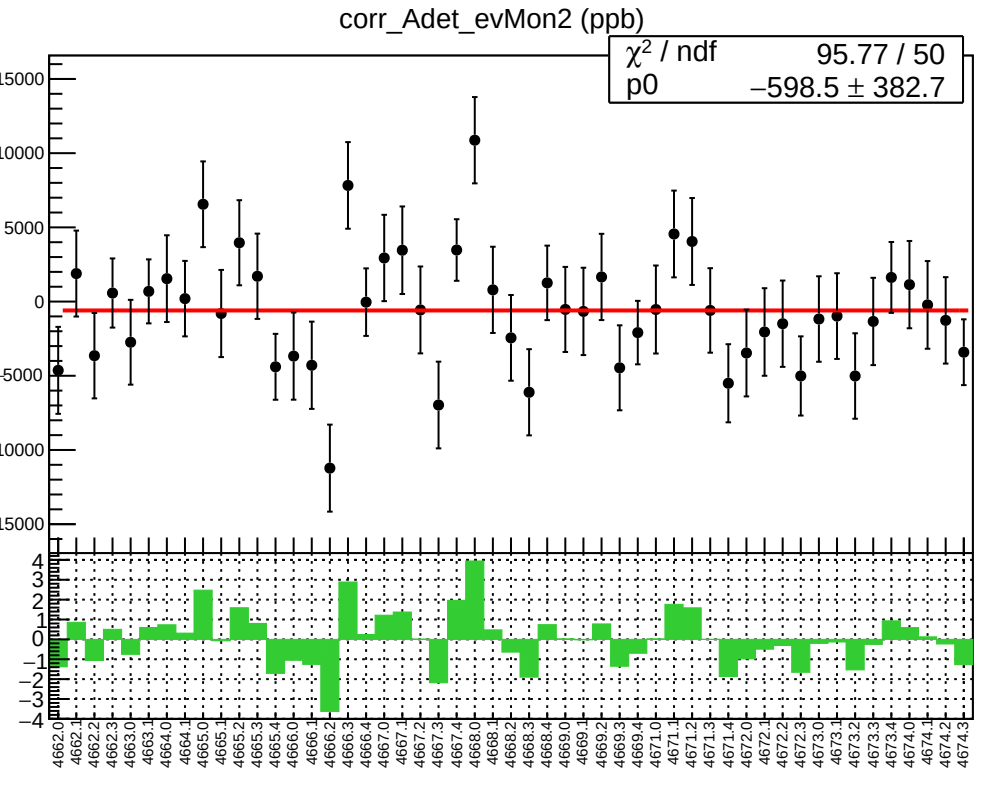

1D pull distribution
Mean −0.01097 ± 0.08378
Std Dev 0.5983 ± 0.05924
Underflow 0
Overflow 0
χ² / ndf 3.075 / 3
Constant 15.57 ± 2.87
Mean −0.05493 ± 0.11179
Sigma 0.6638 ± 0.0846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

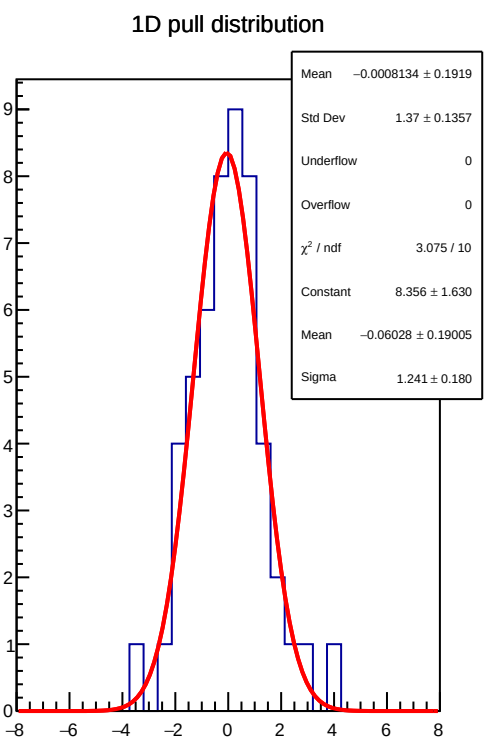

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
90
85
80
75
70
65
60
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

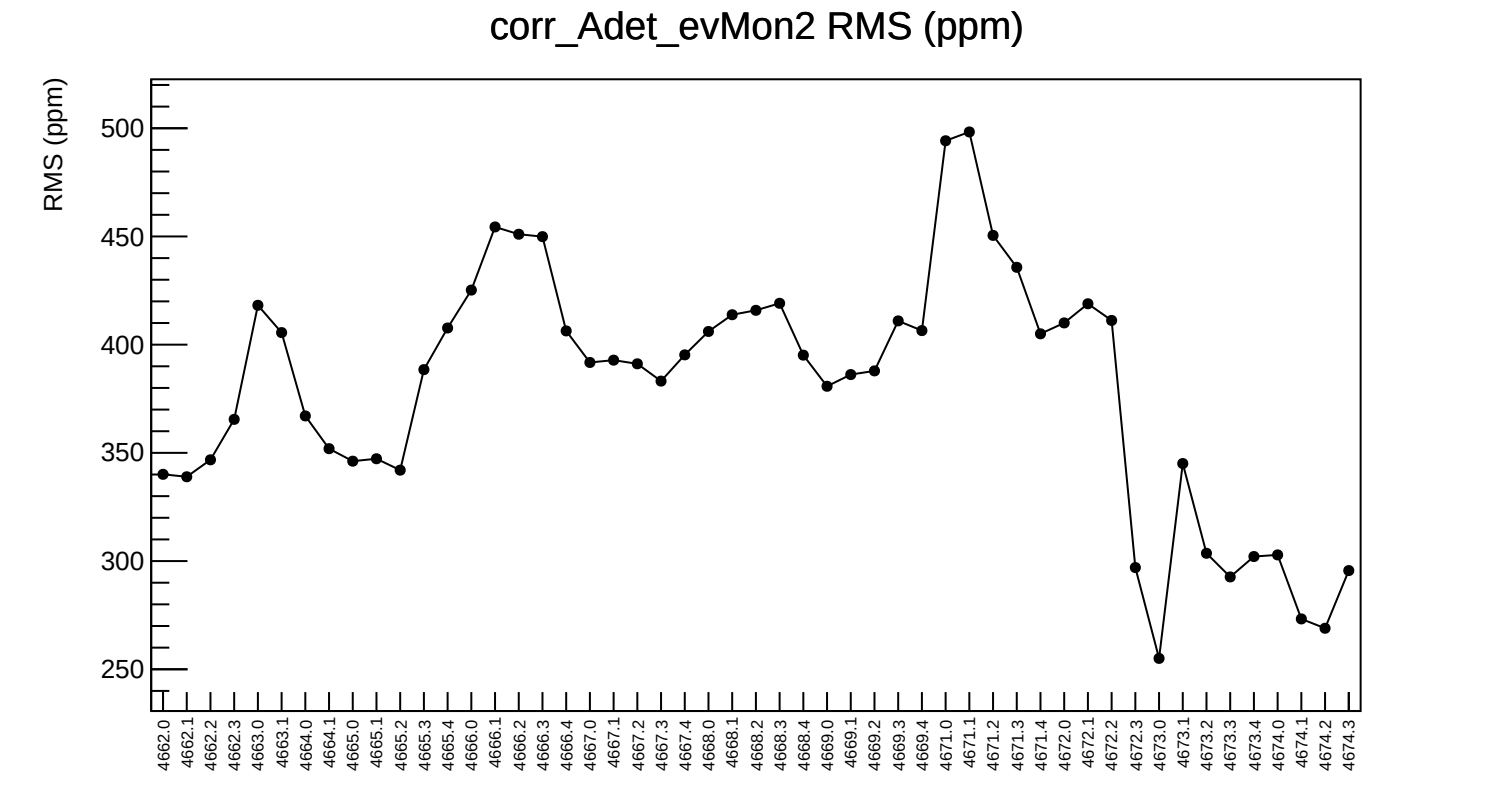

corr_Adet_evMon1 (ppb)
χ² / ndf 14.83 / 50
p0 117.1± 146.6
2000
1000
0
-1000
-2000
-3000
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

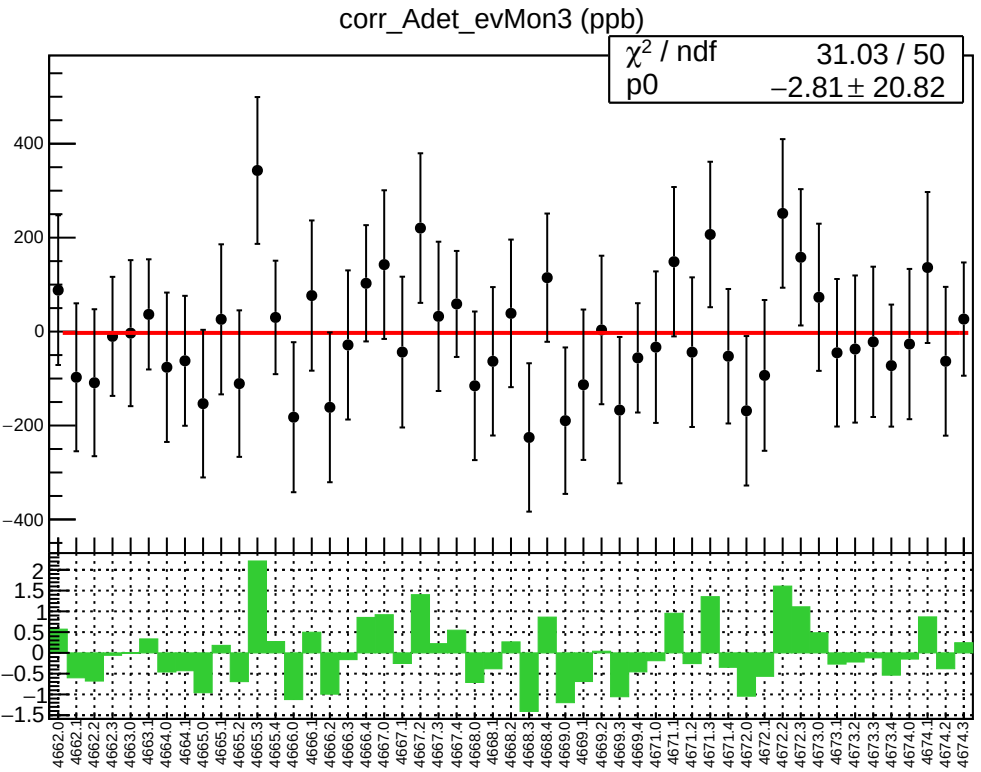

1D pull distribution
Mean 0.0006267 ± 0.0755
Std Dev 0.5392 ± 0.05339
Underflow 0
Overflow 0
χ² / ndf 0.9106 / 3
Constant 18.28 ± 3.34
Mean 0.11 ± 0.11
Sigma 0.6165 ± 0.0967
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

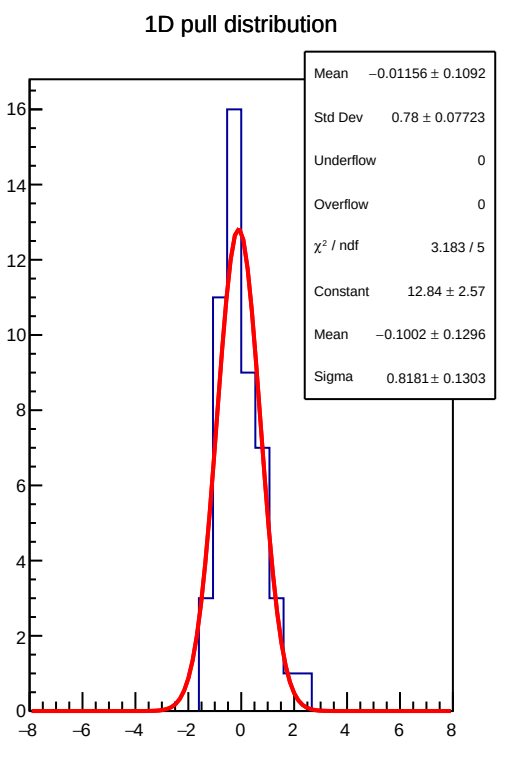

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
66
64
62
60
58
56
54
52
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

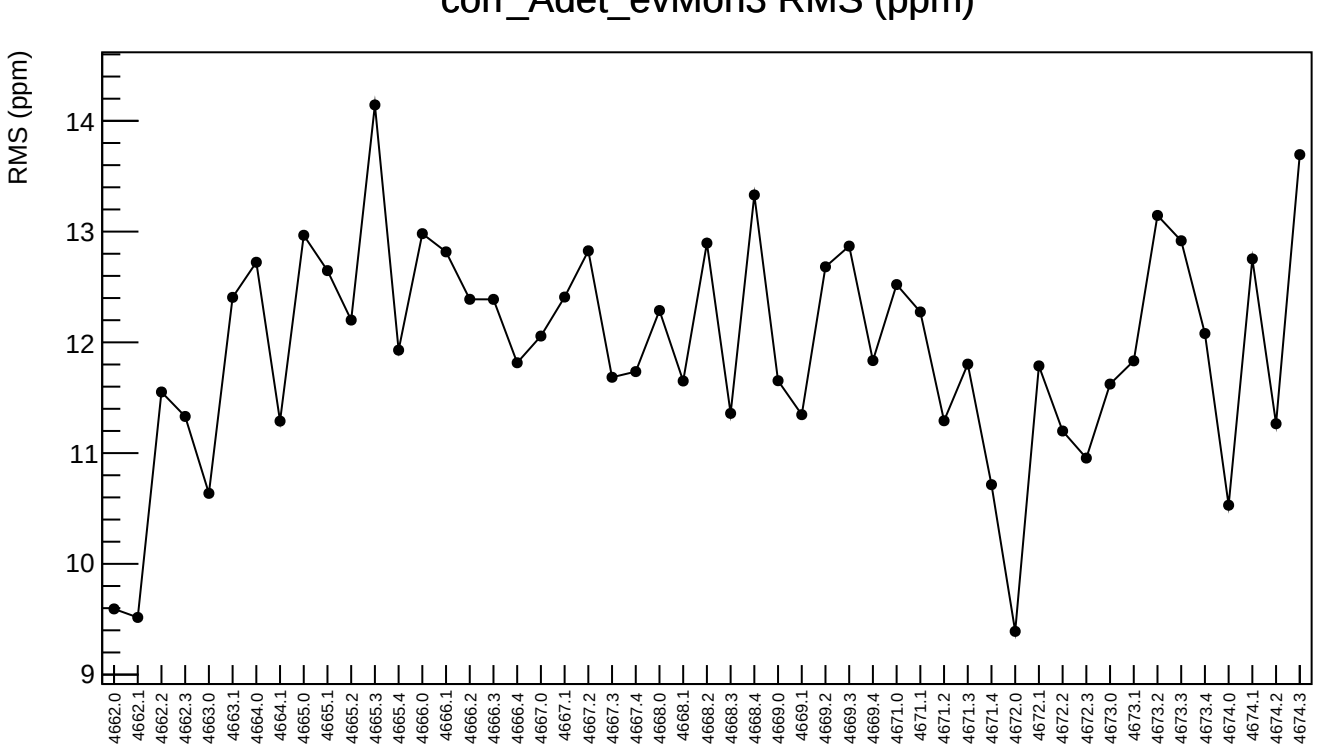

corr_Adet_evMon2 (ppb)
χ² / ndf 95.77 / 50
p0 −598.5 ± 382.7

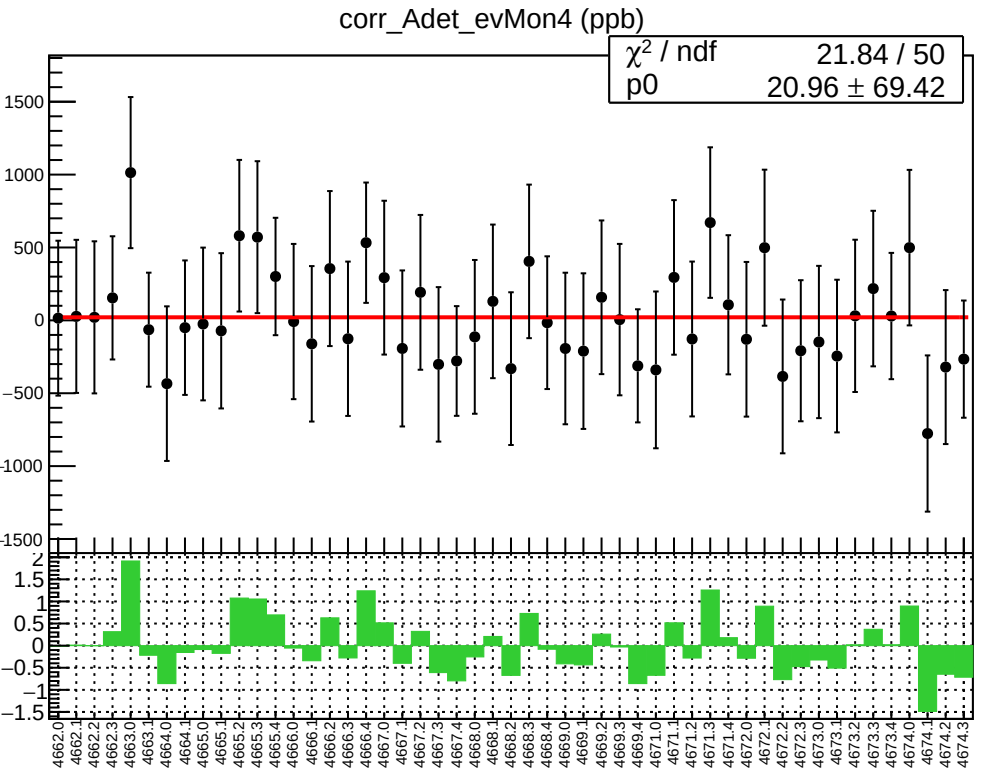

1D pull distribution
Mean −0.0008134 ± 0.1919
Std Dev 1.37 ± 0.1357
Underflow 0
Overflow 0
χ² / ndf 3.075 / 10
Constant 8.356 ± 1.630
Mean −0.06028 ± 0.19005
Sigma 1.241 ± 0.180

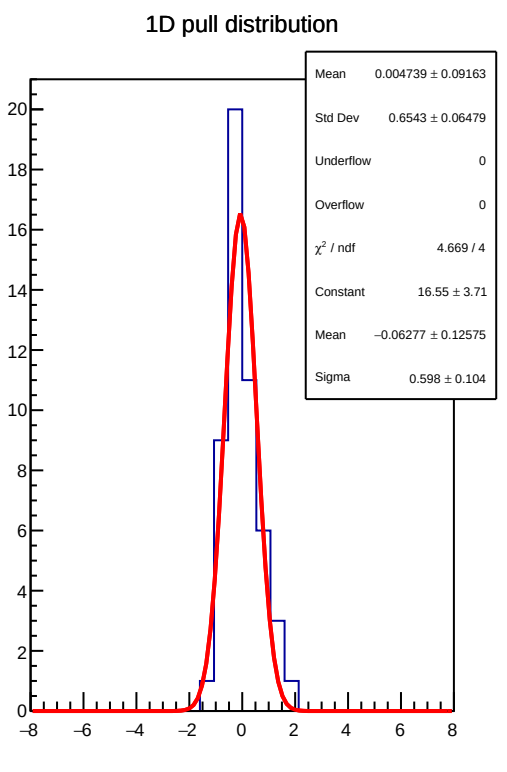

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
500
450
400
350
300
250
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

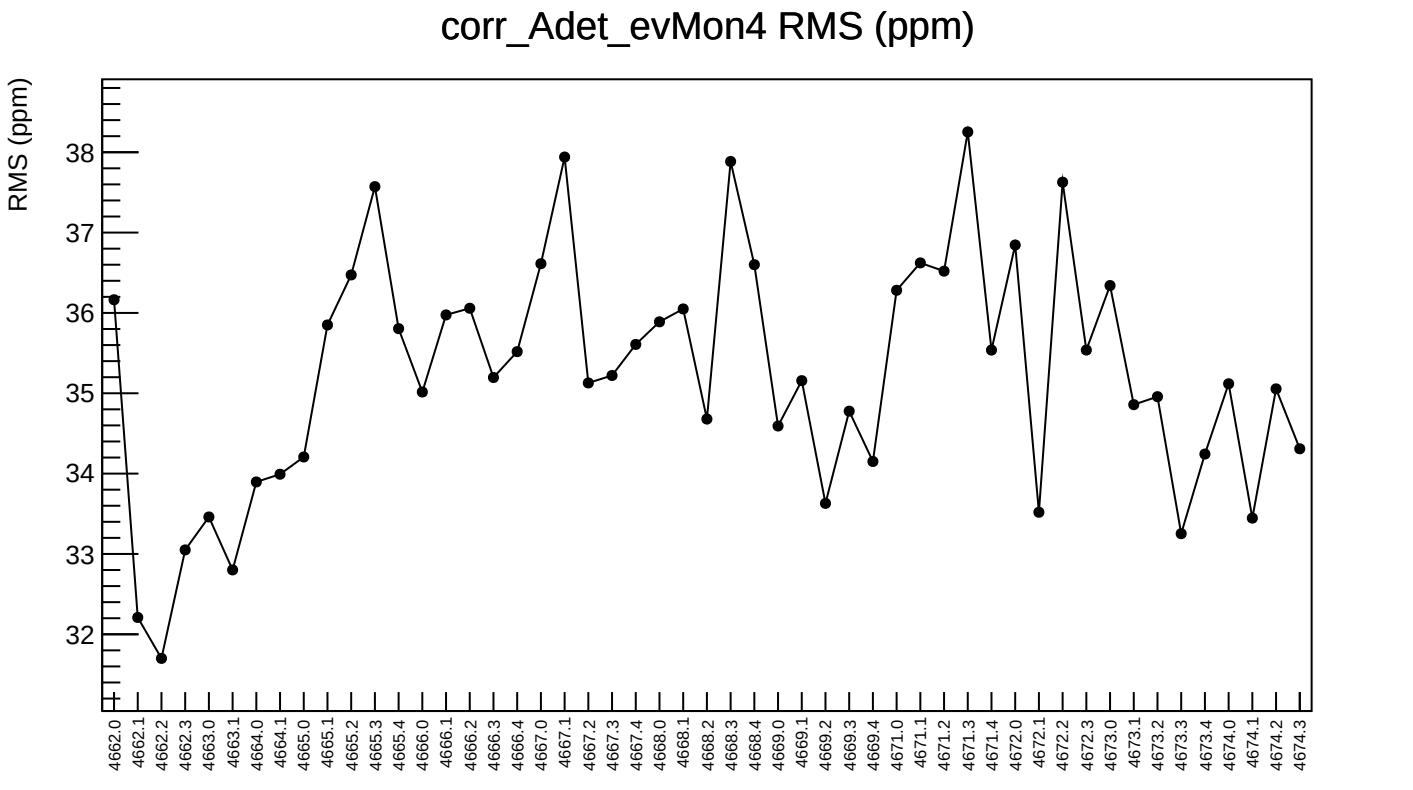

corr_Adet_evMon3 (ppb)
χ² / ndf 31.03 / 50
p0 −2.81 ± 20.82
400
200
0
−200
−400
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

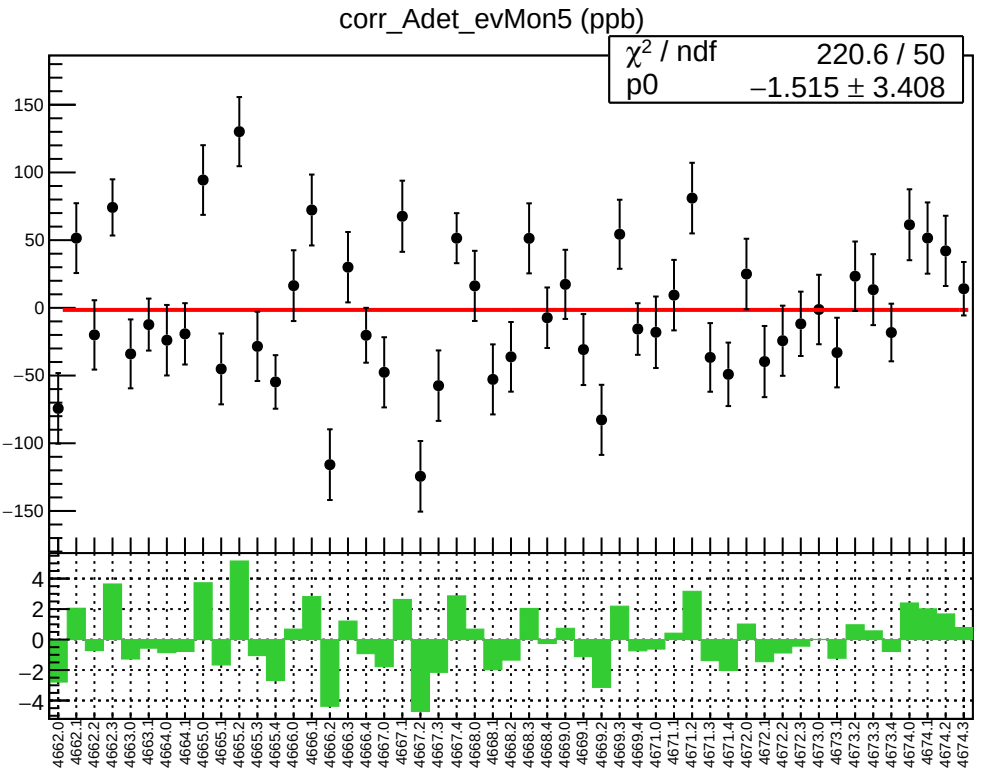

1D pull distribution
Mean −0.01156 ± 0.1092
Std Dev 0.78 ± 0.07723
Underflow 0
Overflow 0
χ² / ndf 3.183 / 5
Constant 12.84 ± 2.57
Mean −0.1002 ± 0.1296
Sigma 0.8181 ± 0.1303
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

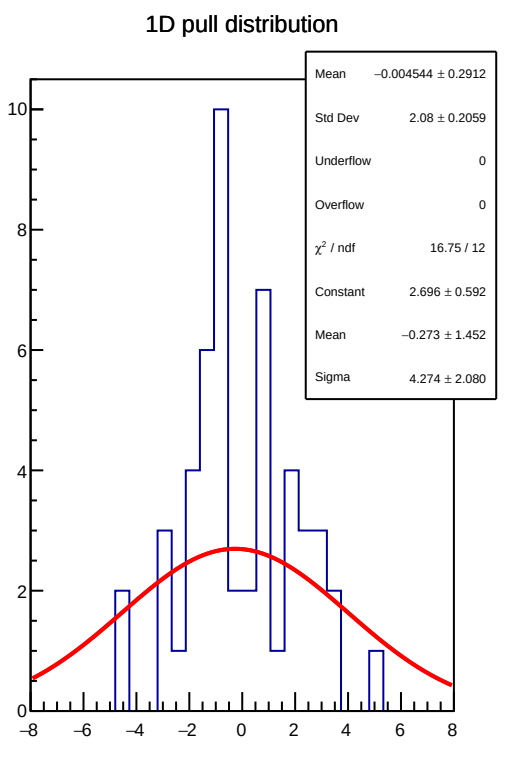

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
14
13
12
11
10
9
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

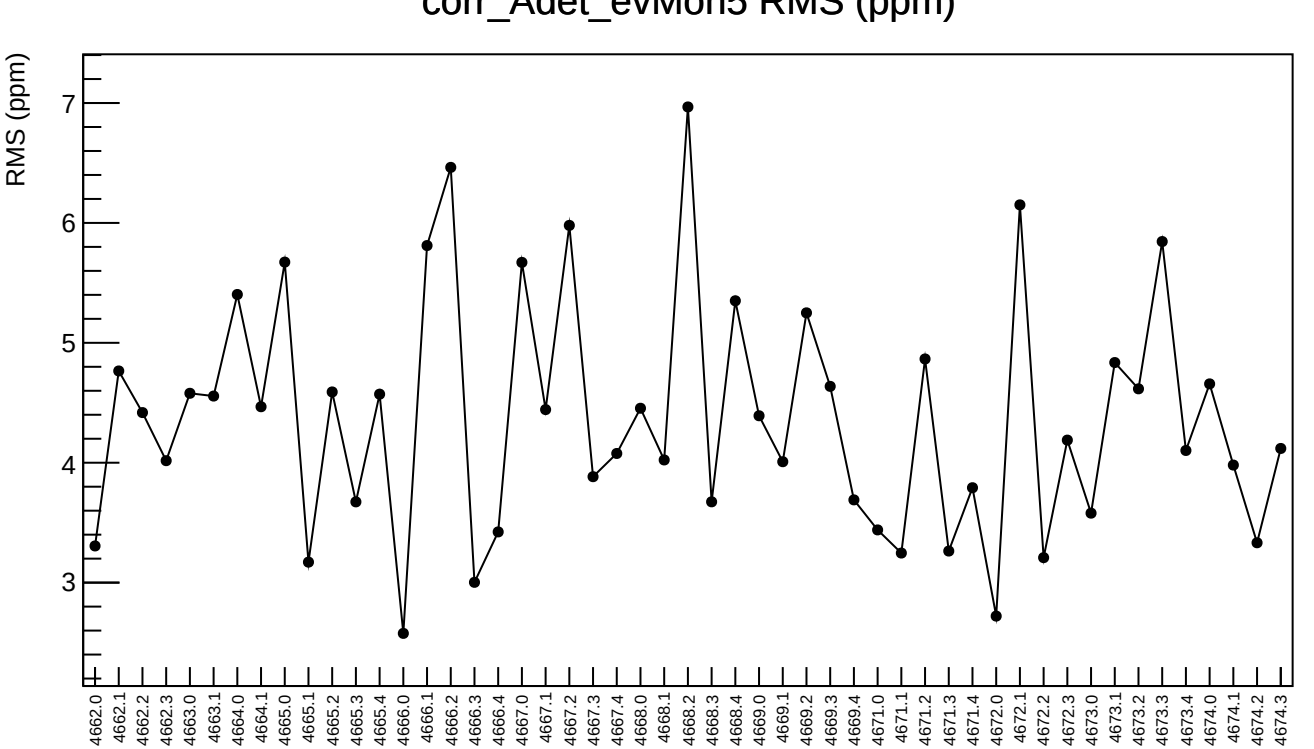

corr_Adet_evMon4 (ppb)
χ² / ndf 21.84 / 50
p0 20.96 ± 69.42
1500
1000
500
0
−500
−1000
−1500
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

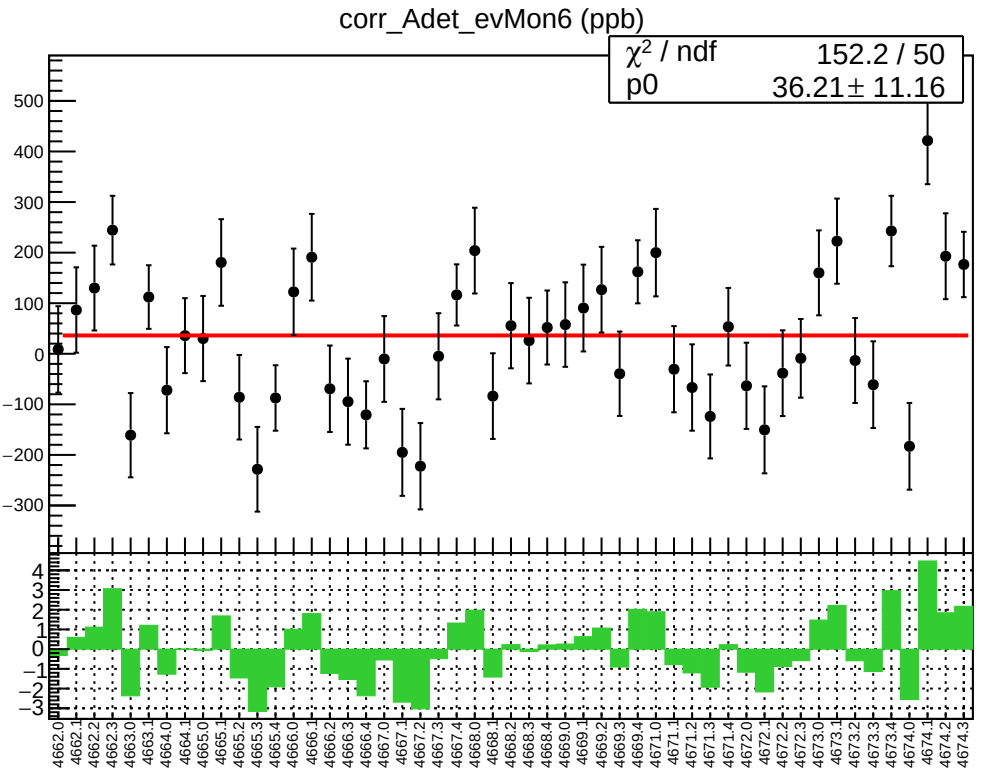

1D pull distribution
Mean 0.004739 ± 0.09163
Std Dev 0.6543 ± 0.06479
Underflow 0
Overflow 0
χ² / ndf 4.669 / 4
Constant 16.55 ± 3.71
Mean −0.06277 ± 0.12575
Sigma 0.598 ± 0.104
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

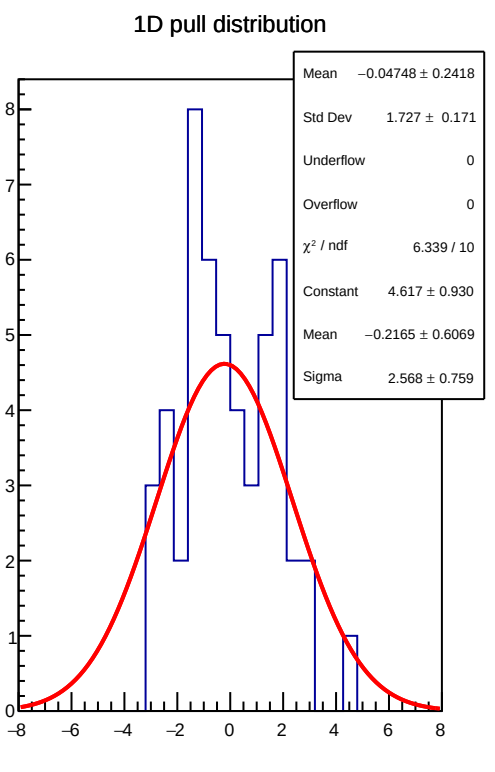

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
38
37
36
35
34
33
32
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

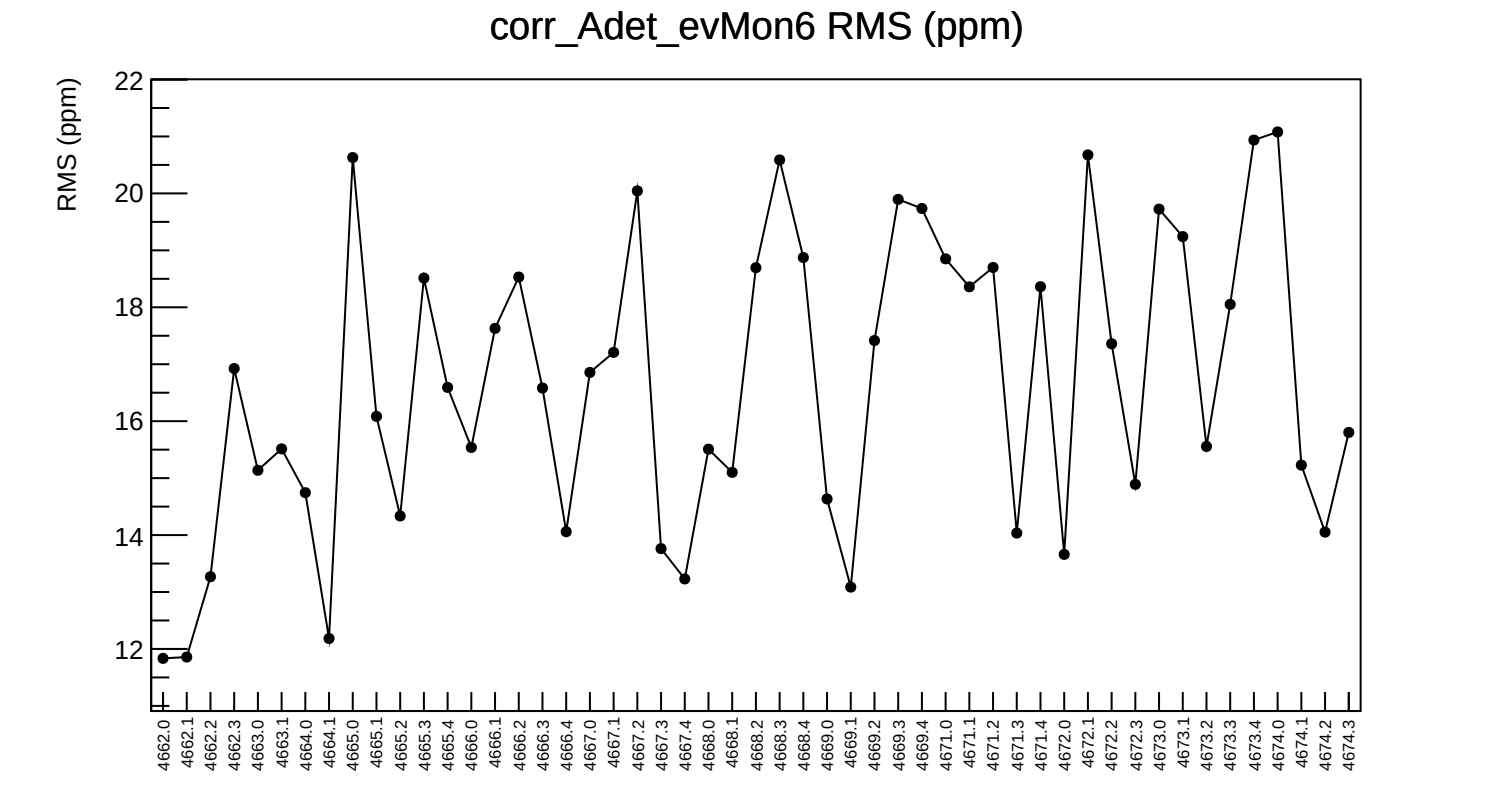

corr_Adet_evMon5 (ppb)
χ² / ndf 220.6 / 50
p0 −1.515 ± 3.408

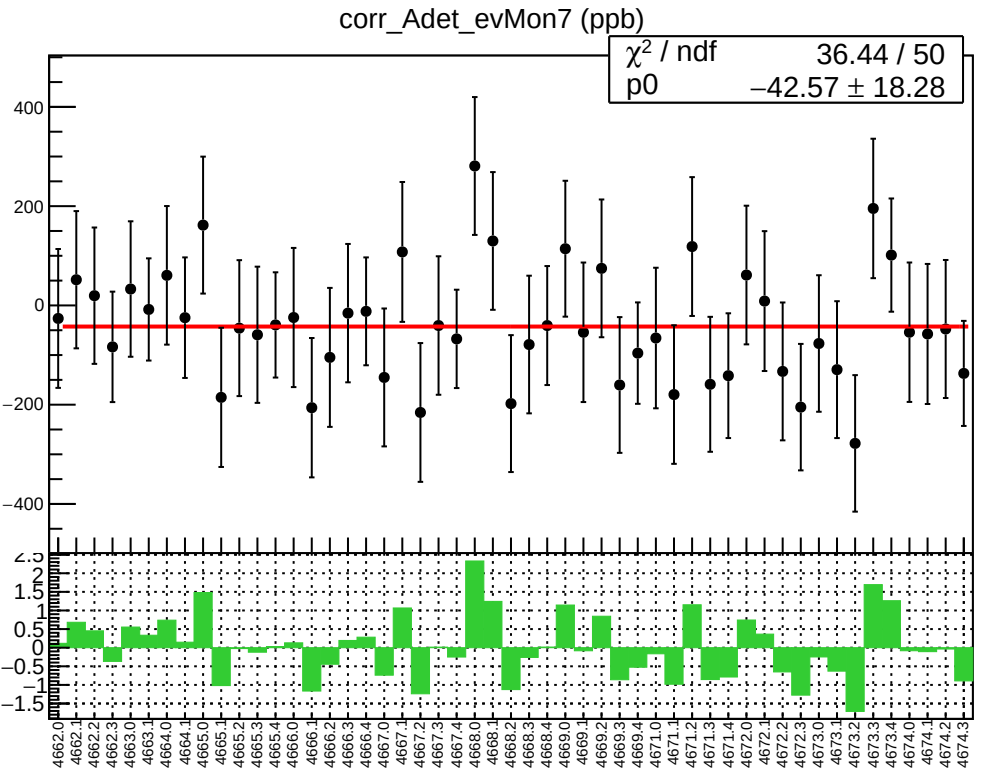

1D pull distribution
Mean −0.004544 ± 0.2912
Std Dev 2.08 ± 0.2059
Underflow 0
Overflow 0
χ² / ndf 16.75 / 12
Constant 2.696 ± 0.592
Mean −0.273 ± 1.452
Sigma 4.274 ± 2.080

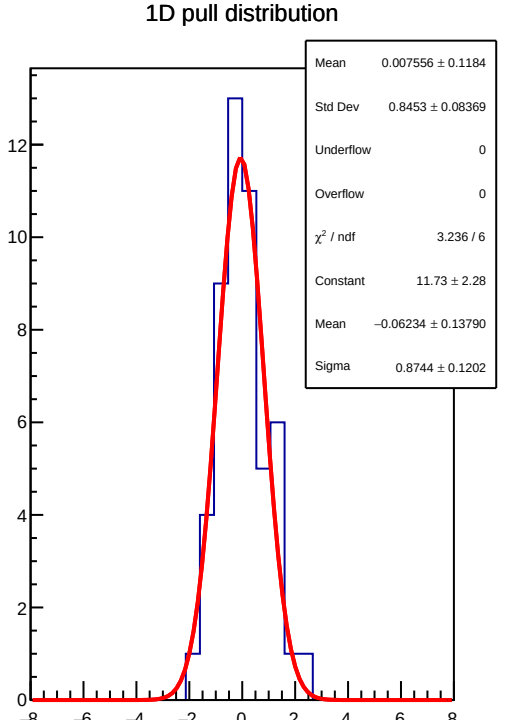

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
7
6
5
4
3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

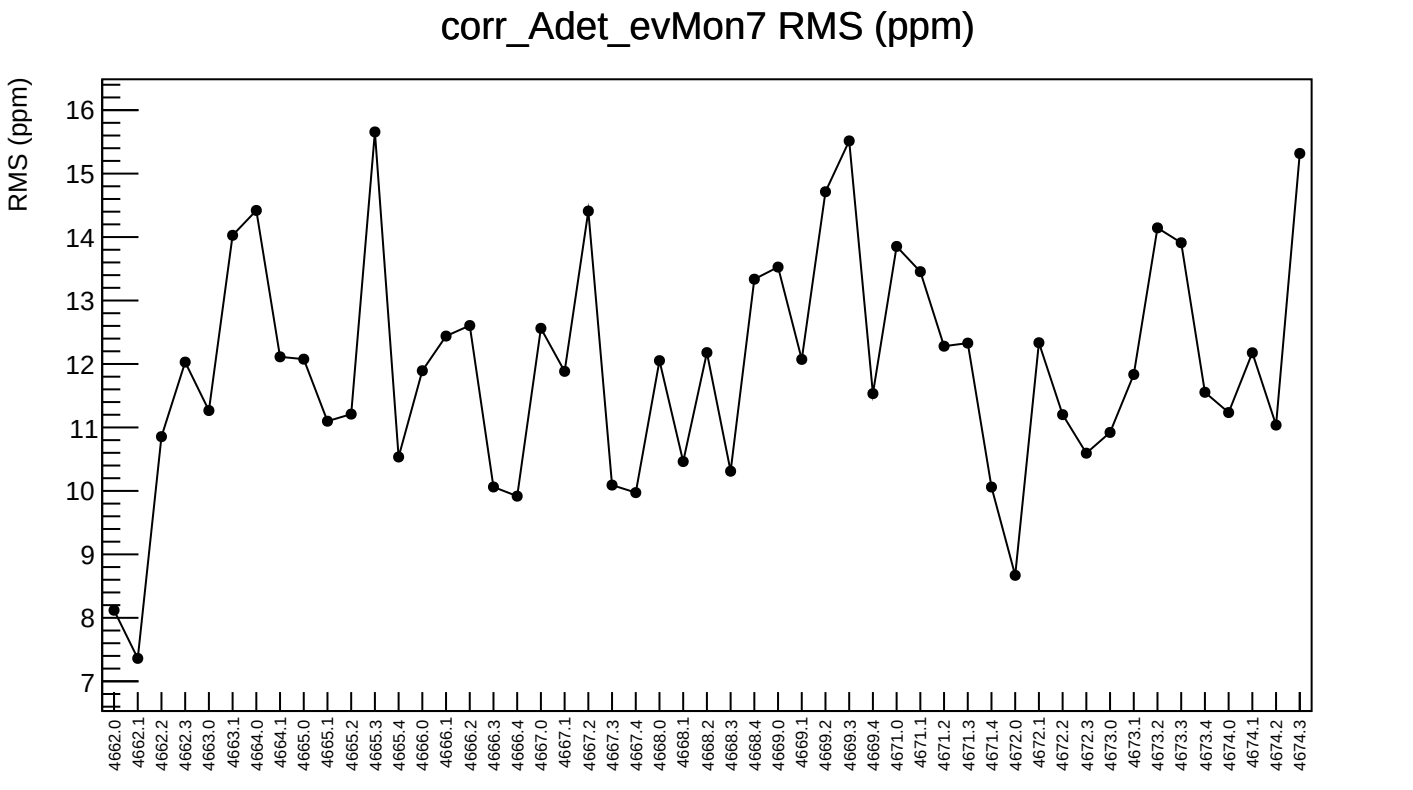

corr_Adet_evMon6 (ppb)
χ² / ndf 152.2 / 50
p0 36.21 ± 11.16

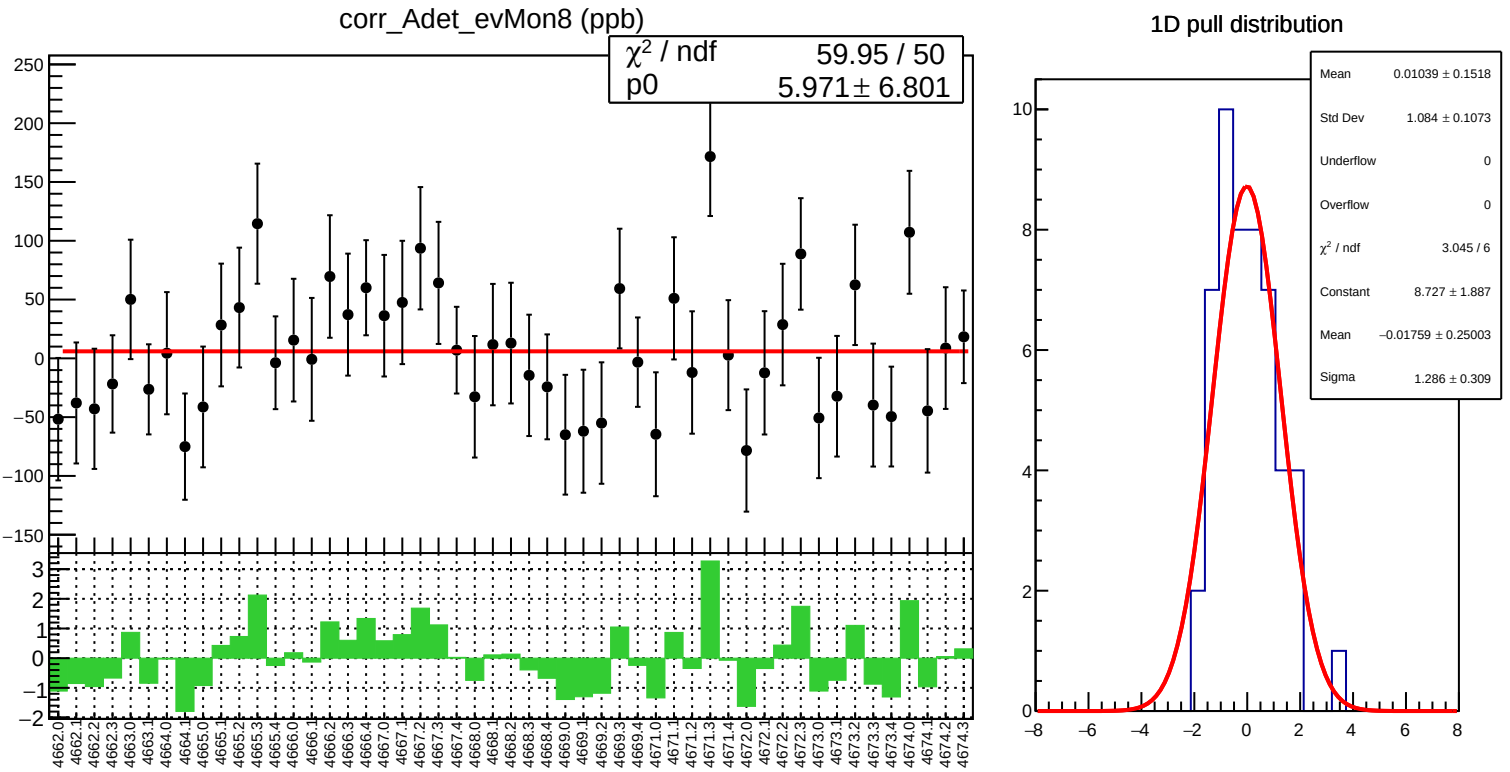

1D pull distribution
Mean −0.04748 ± 0.2418
Std Dev 1.727 ± 0.171
Underflow 0
Overflow 0
χ² / ndf 6.339 / 10
Constant 4.617 ± 0.930
Mean −0.2165 ± 0.6069
Sigma 2.568 ± 0.759

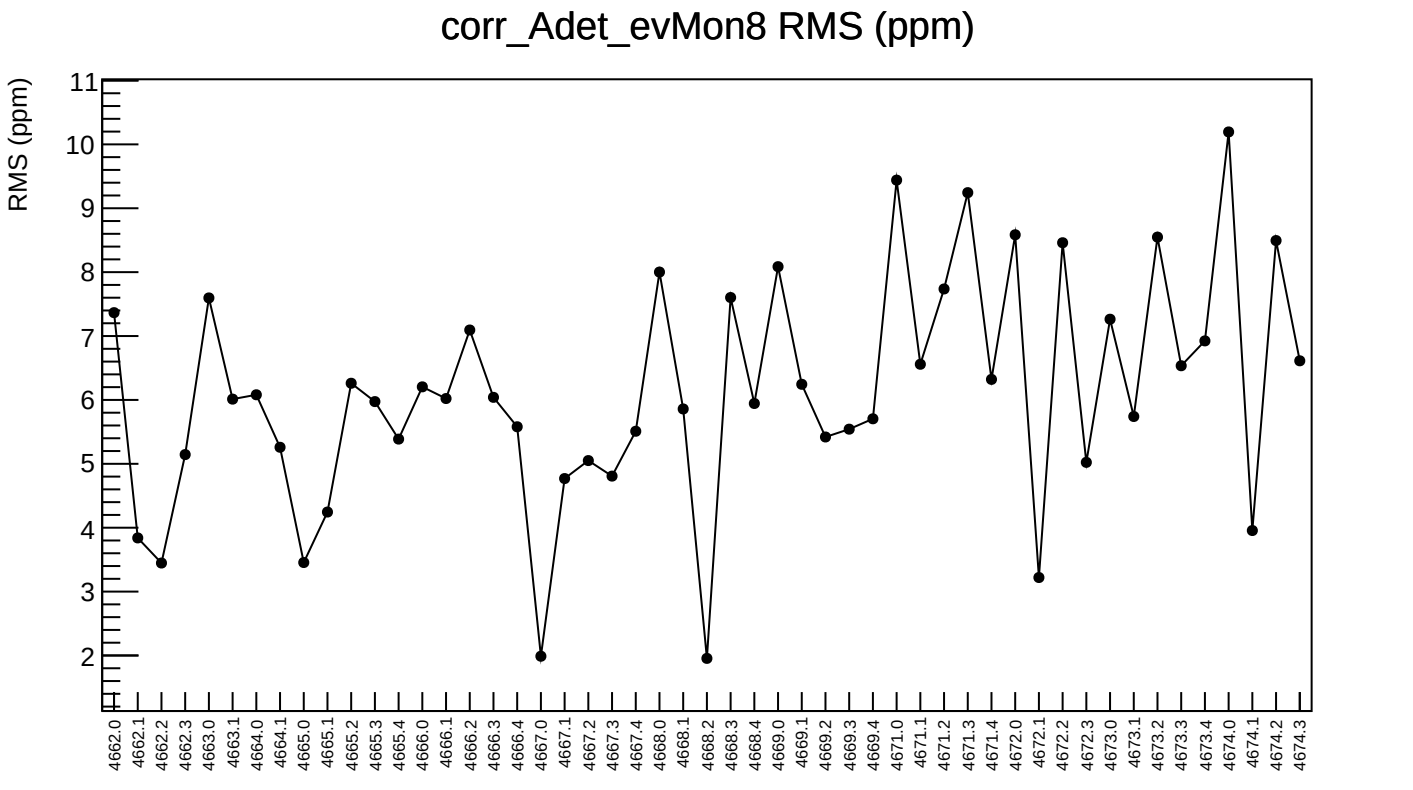

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

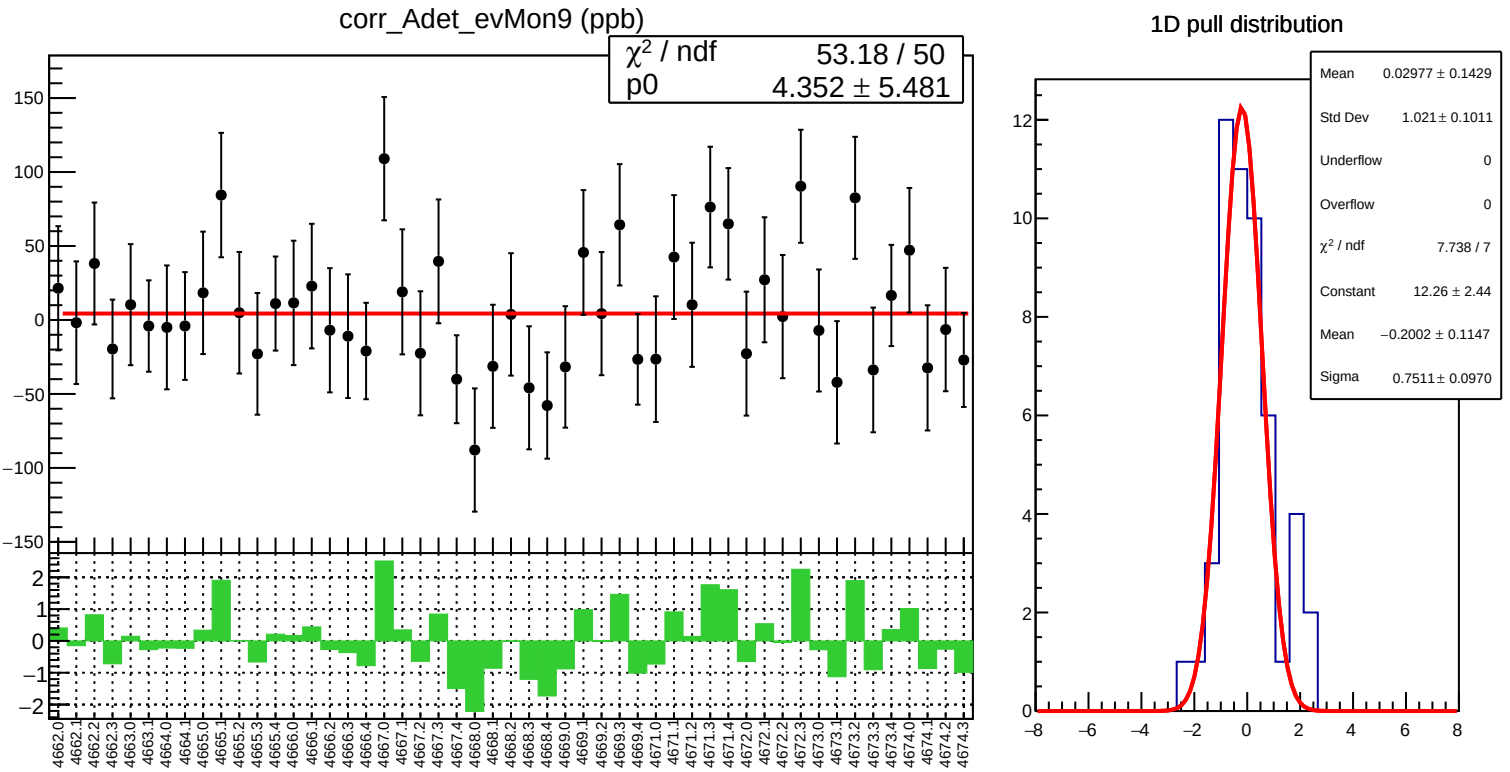

corr_Adet_evMon7 (ppb)
χ² / ndf 36.44 / 50
p0 −42.57 ± 18.28
400
200
0
−200
−400
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

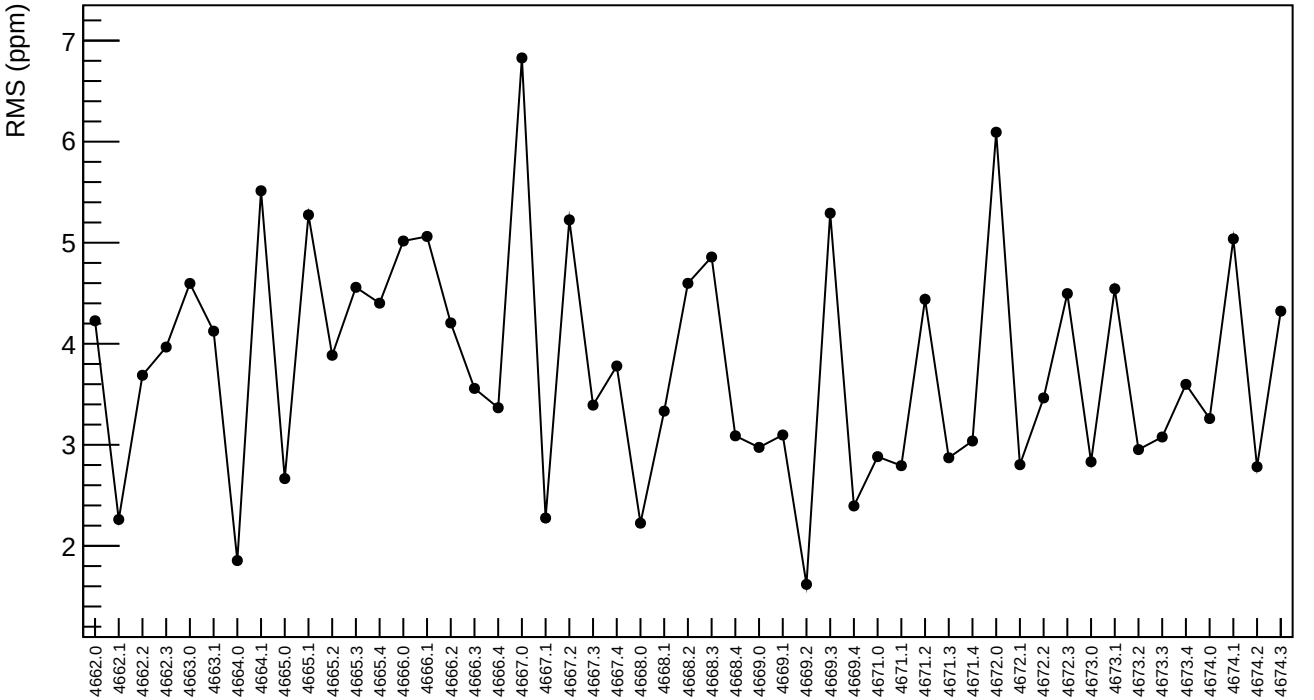

1D pull distribution
Mean 0.007556 ± 0.1184
Std Dev 0.8453 ± 0.08369
Underflow 0
Overflow 0
χ² / ndf 3.236 / 6
Constant 11.73 ± 2.28
Mean −0.06234 ± 0.13790
Sigma 0.8744 ± 0.1202
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

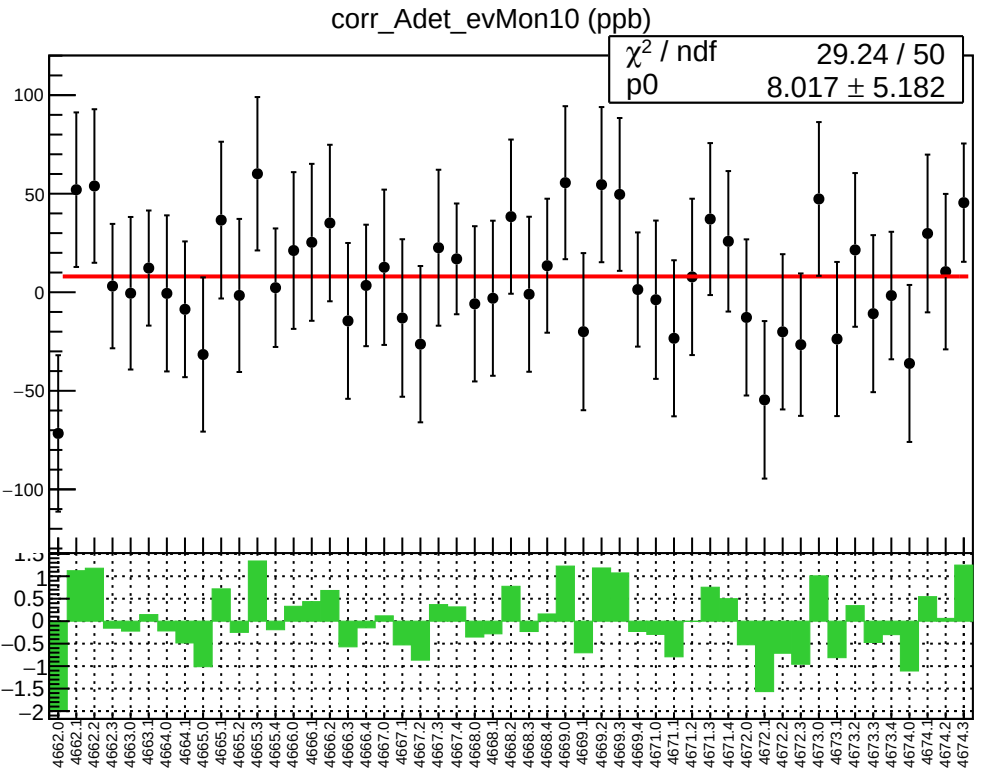

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
16
15
14
13
12
11
10
9
8
7
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

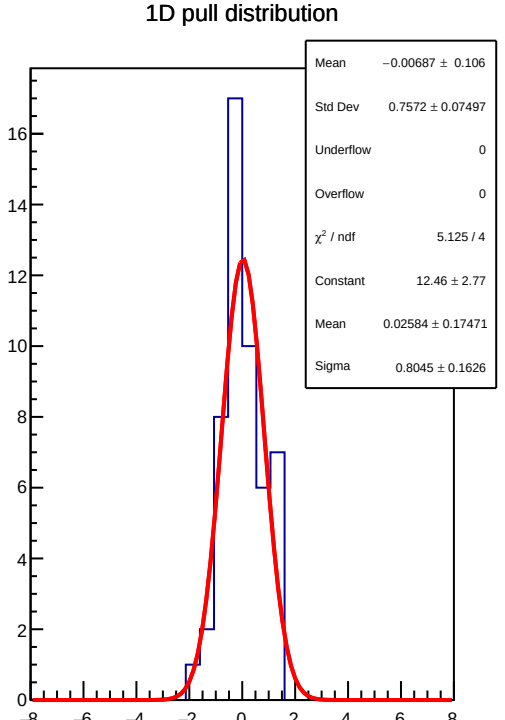

corr_Adet_evMon8 (ppb)
χ² / ndf 59.95 / 50
p0 5.971 ± 6.801
1D pull distribution
Mean 0.01039 ± 0.1518
Std Dev 1.084 ± 0.1073
Underflow 0
Overflow 0
χ² / ndf 3.045 / 6
Constant 8.727 ± 1.887
Mean −0.01759 ± 0.25003
Sigma 1.286 ± 0.309

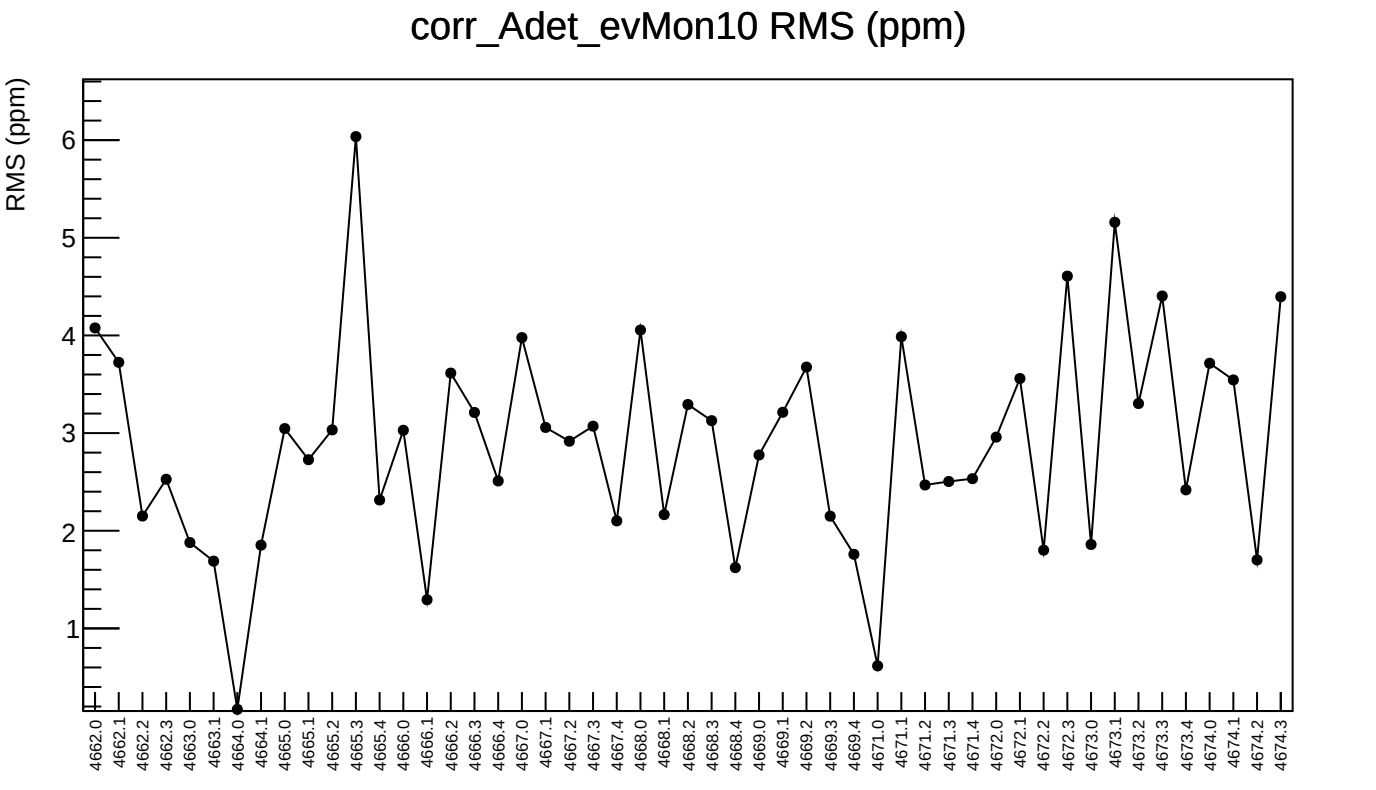

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

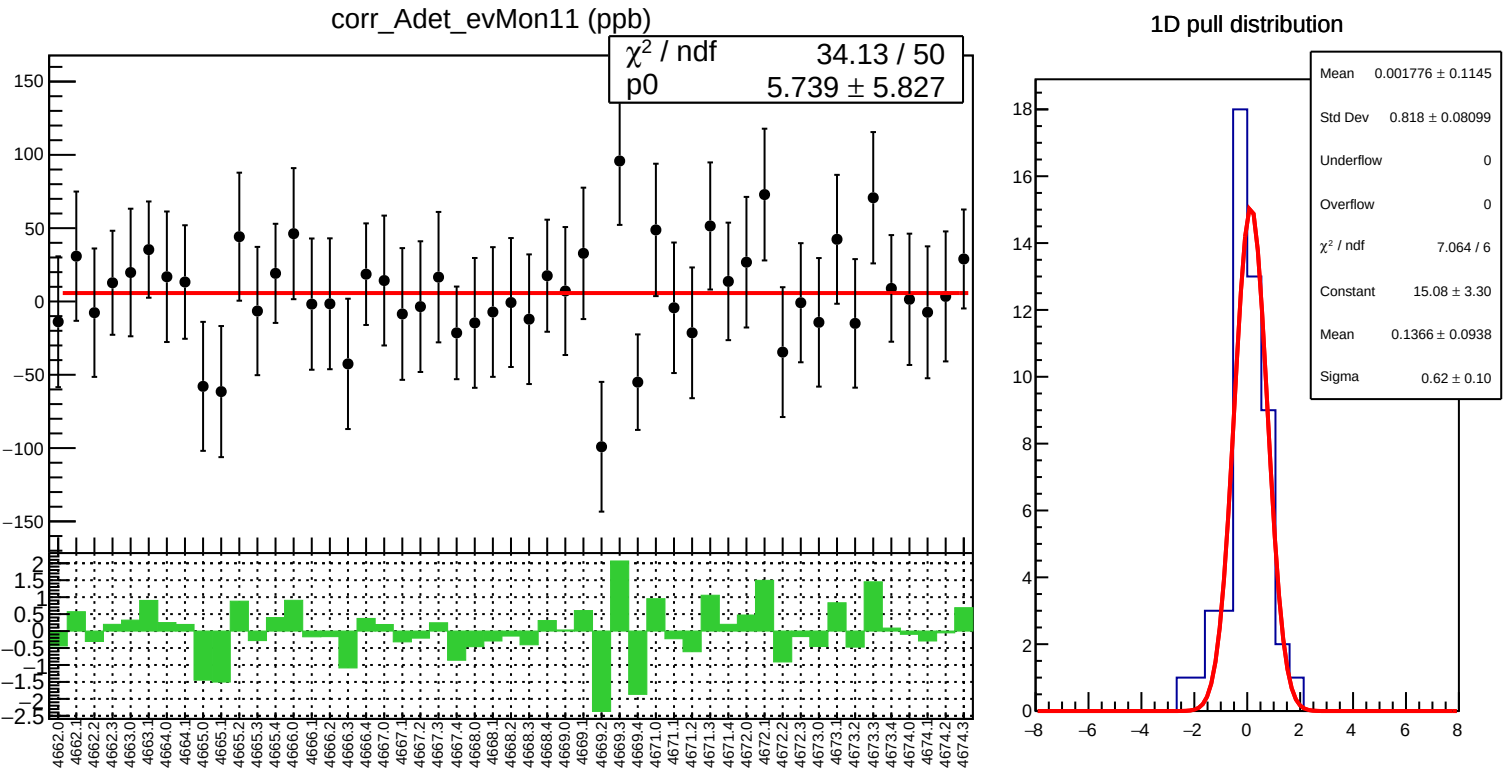

corr_Adet_evMon9 (ppb)
χ² / ndf 53.18 / 50
p0 4.352 ± 5.481
1D pull distribution
Mean 0.02977 ± 0.1429
Std Dev 1.021 ± 0.1011
Underflow 0
Overflow 0
χ² / ndf 7.738 / 7
Constant 12.26 ± 2.44
Mean −0.2002 ± 0.1147
Sigma 0.7511 ± 0.0970

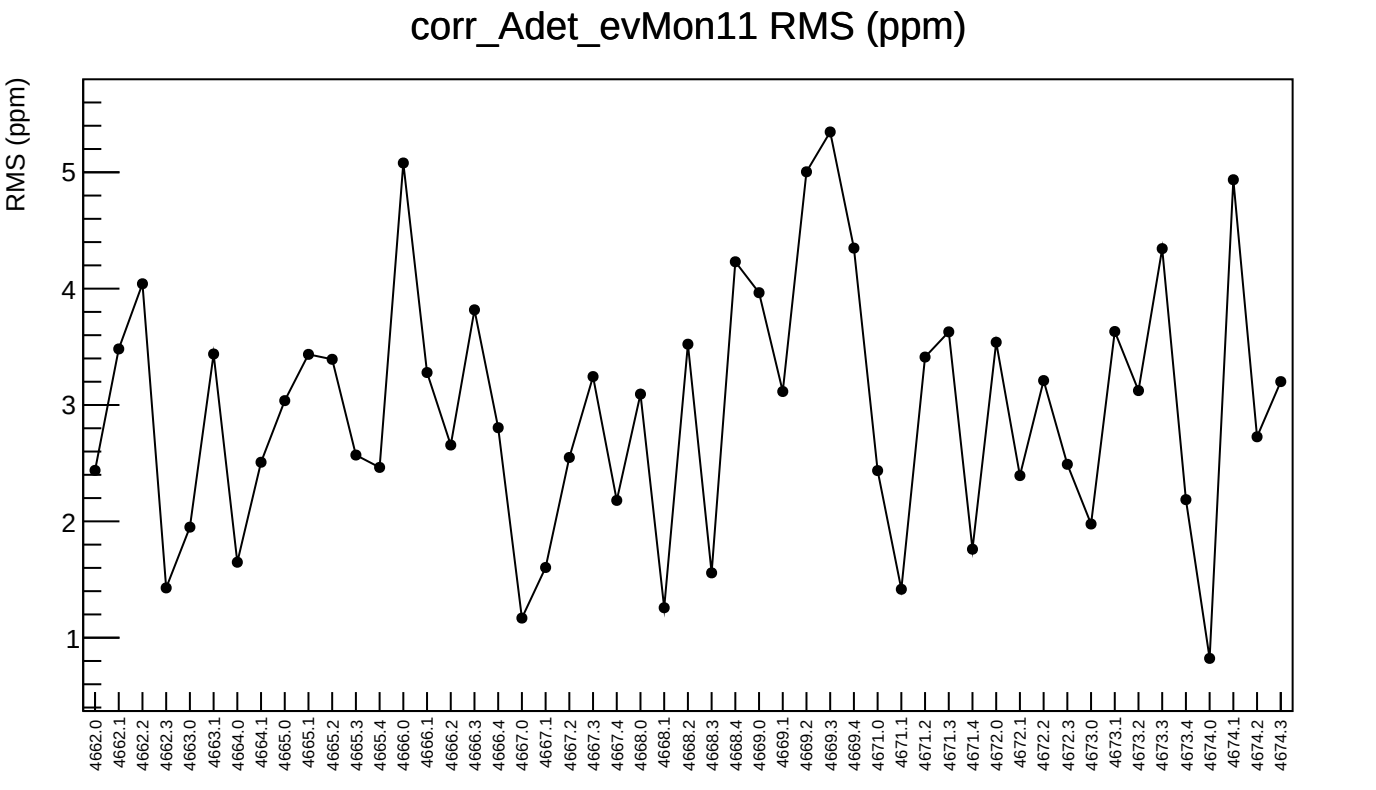

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

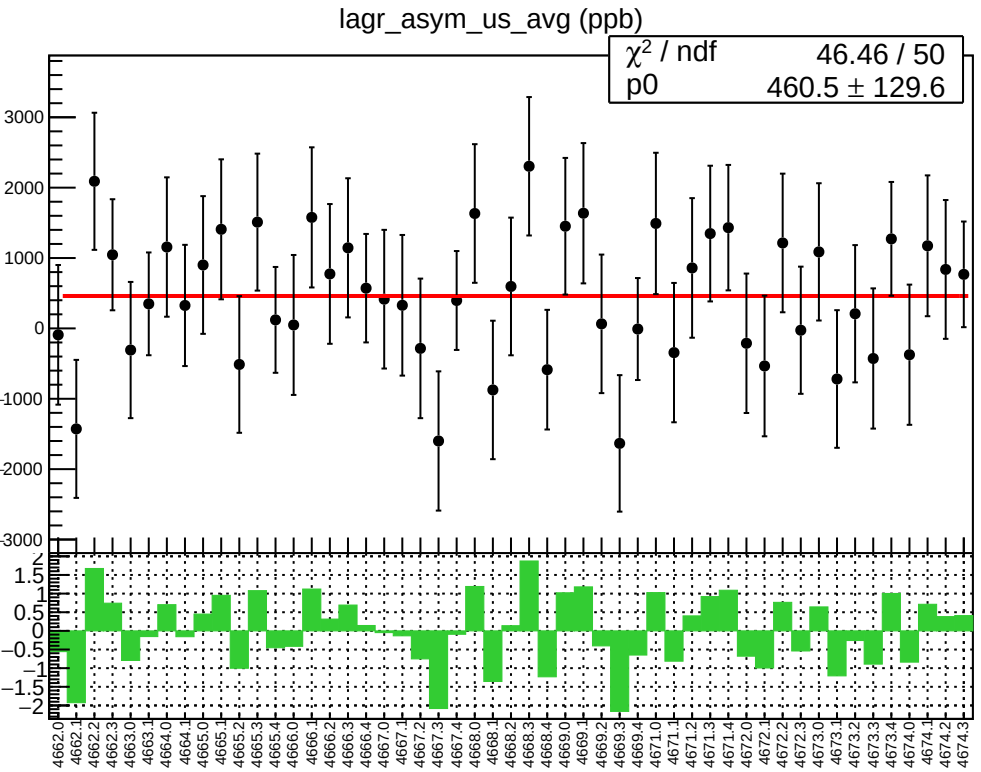

corr_Adet_evMon10 (ppb)
χ² / ndf 29.24 / 50
p0 8.017 ± 5.182
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

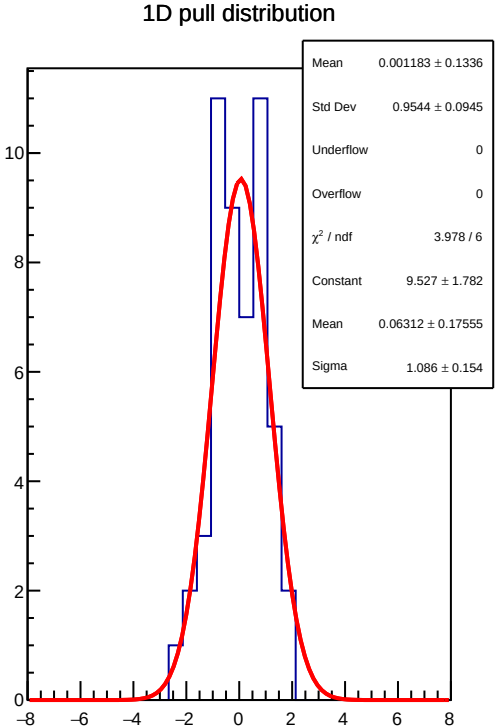

1D pull distribution
Mean −0.00687 ± 0.106
Std Dev 0.7572 ± 0.07497
Underflow 0
Overflow 0
χ² / ndf 5.125 / 4
Constant 12.46 ± 2.77
Mean 0.02584 ± 0.17471
Sigma 0.8045 ± 0.1626
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

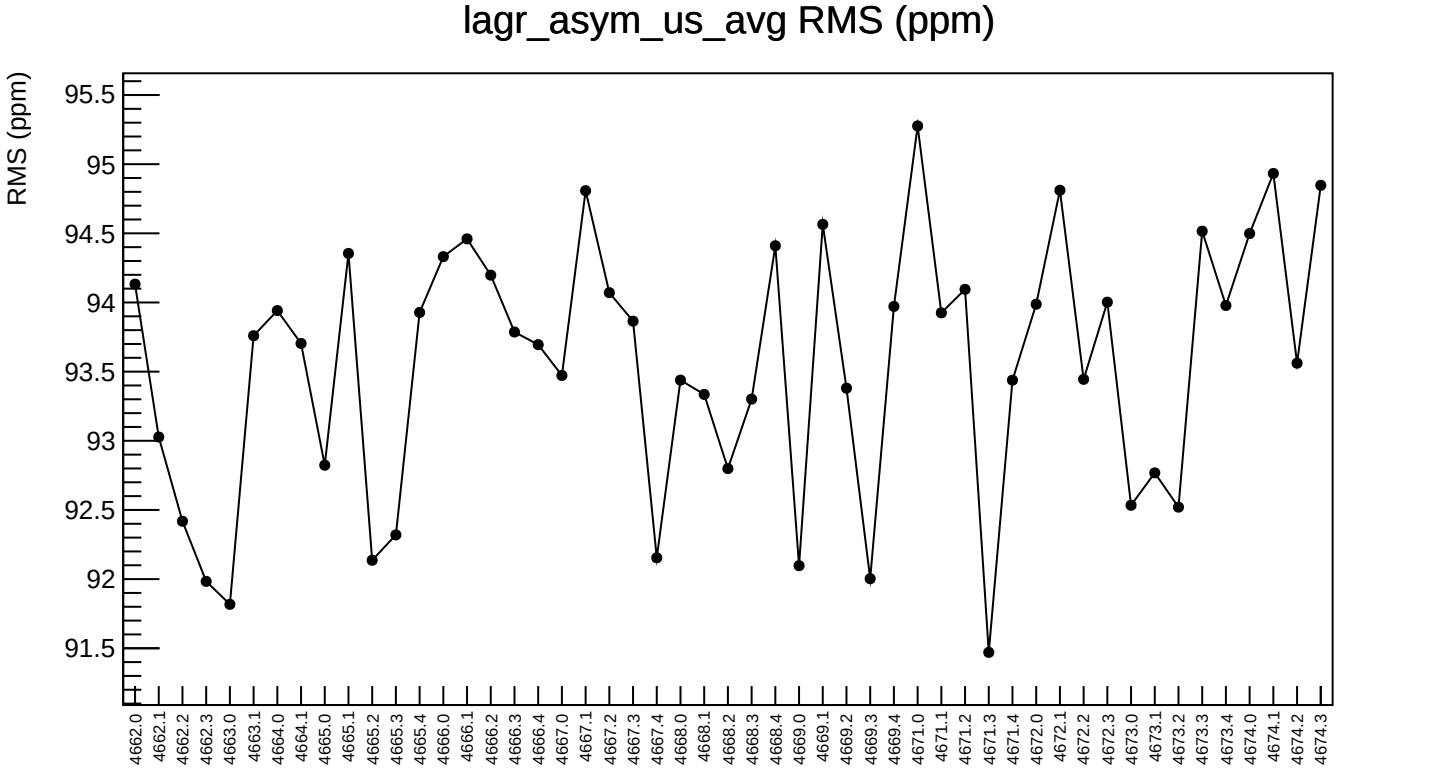

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

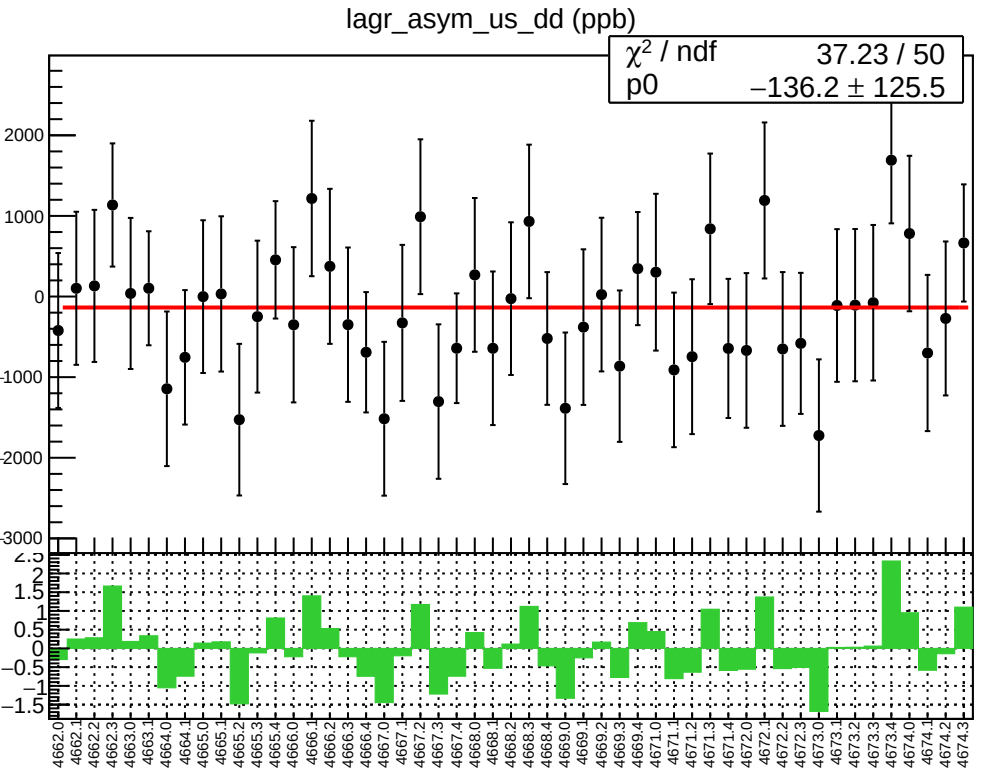

corr_Adet_evMon11 (ppb)
χ² / ndf 34.13 / 50
p0 5.739 ± 5.827
1D pull distribution
Mean 0.001776 ± 0.1145
Std Dev 0.818 ± 0.08099
Underflow 0
Overflow 0
χ² / ndf 7.064 / 6
Constant 15.08 ± 3.30
Mean 0.1366 ± 0.0938
Sigma 0.62 ± 0.10

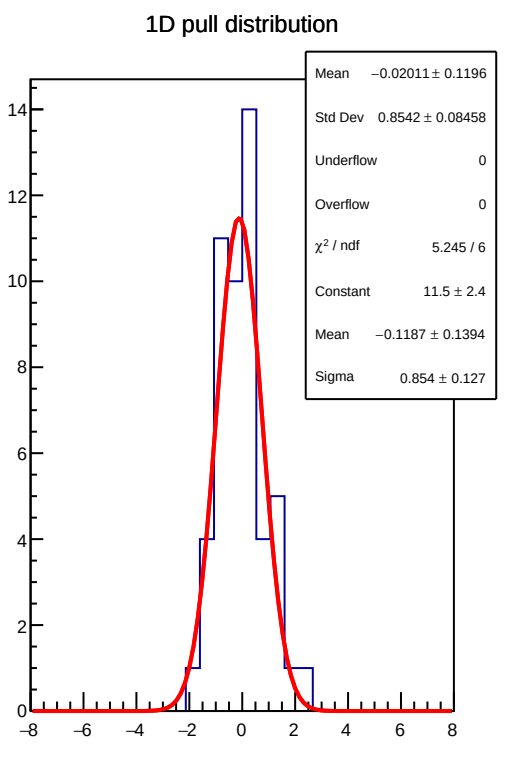

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

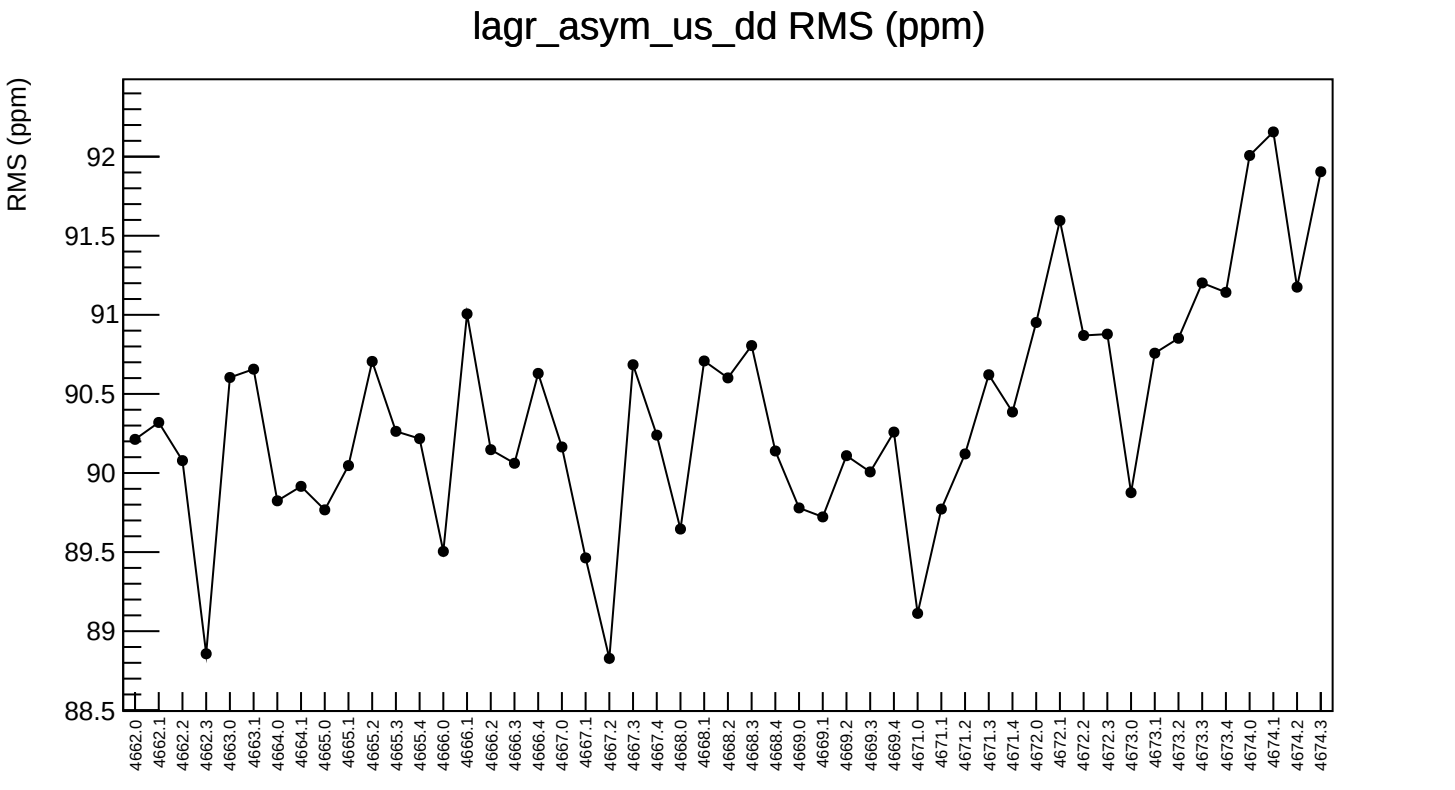

lagr_asym_us_avg (ppb)
χ² / ndf 46.46 / 50
p0 460.5 ± 129.6
3000
2000
1000
0
-1000
-2000
-3000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

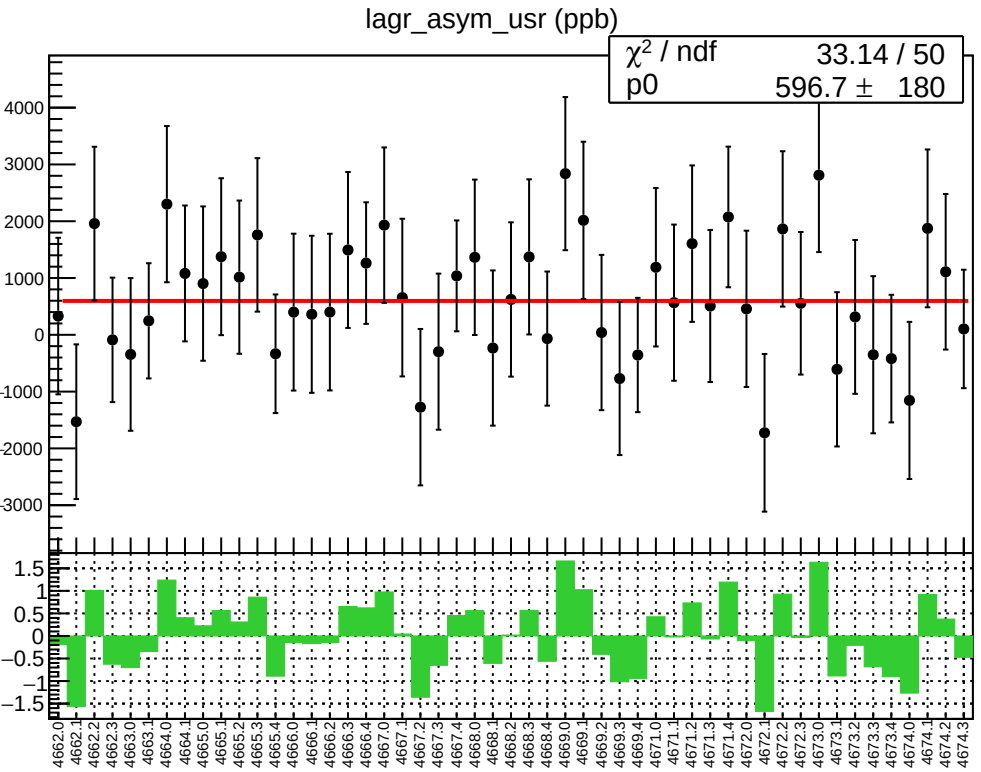

1D pull distribution
Mean 0.001183 ± 0.1336
Std Dev 0.9544 ± 0.0945
Underflow 0
Overflow 0
χ² / ndf 3.978 / 6
Constant 9.527 ± 1.782
Mean 0.06312 ± 0.17555
Sigma 1.086 ± 0.154
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

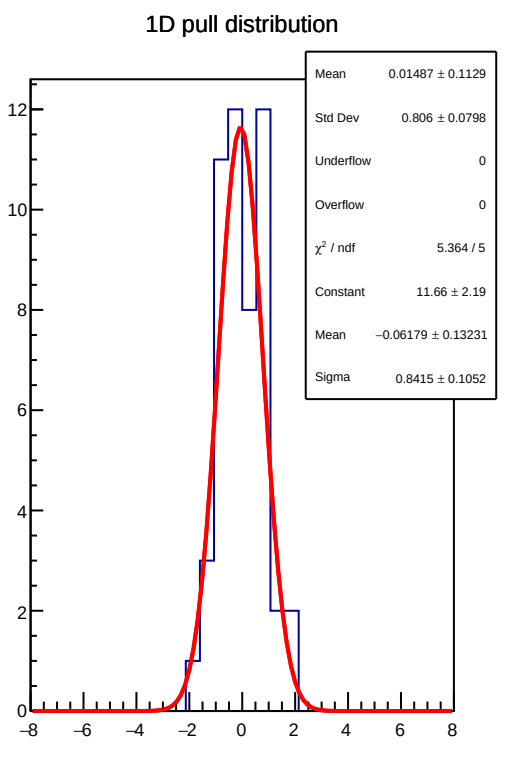

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
95.5
95
94.5
94
93.5
93
92.5
92
91.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

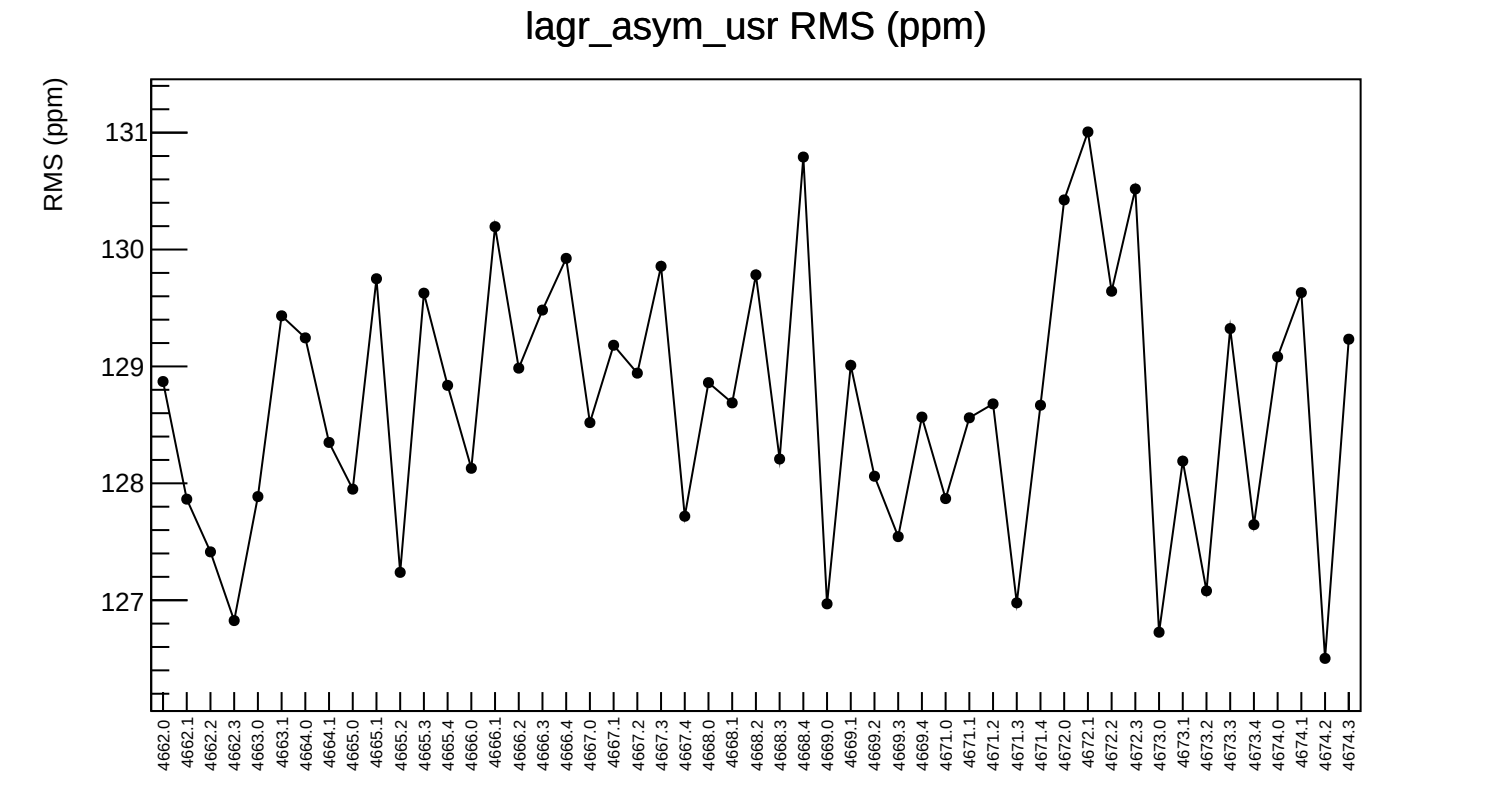

lagr_asym_us_dd (ppb)
χ² / ndf 37.23 / 50
p0 −136.2 ± 125.5
2000
1000
0
-1000
-2000
-3000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

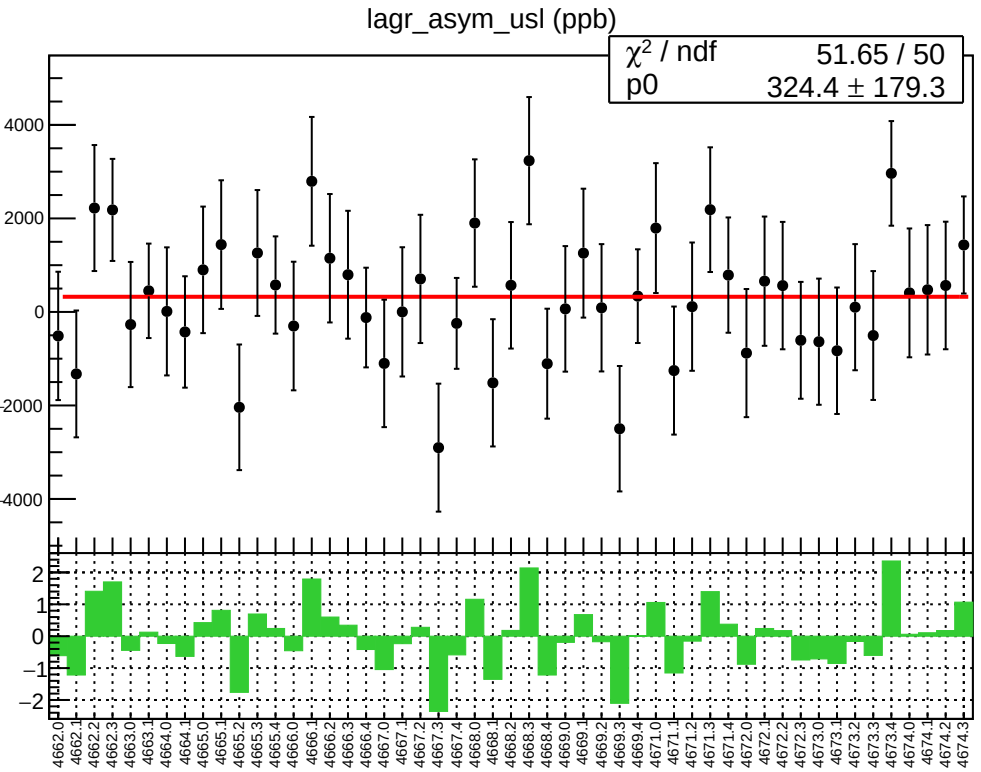

1D pull distribution
Mean −0.02011 ± 0.1196
Std Dev 0.8542 ± 0.08458
Underflow 0
Overflow 0
χ² / ndf 5.245 / 6
Constant 11.5 ± 2.4
Mean −0.1187 ± 0.1394
Sigma 0.854 ± 0.127
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

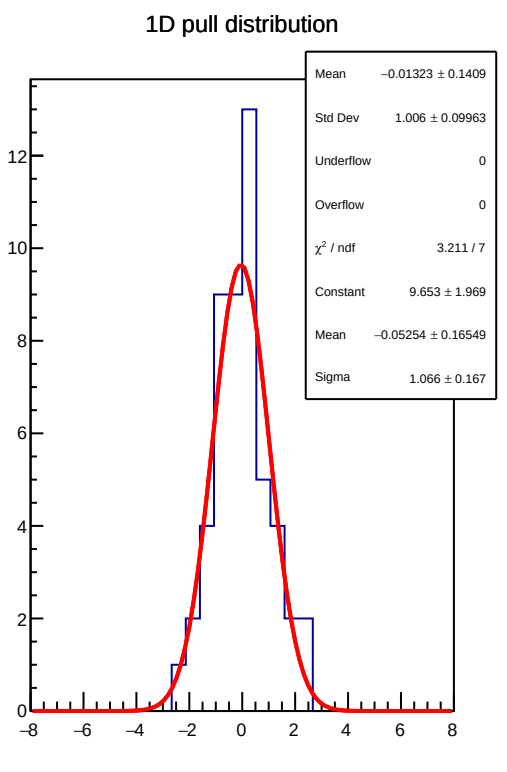

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
92
91.5
91
90.5
90
89.5
89
88.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

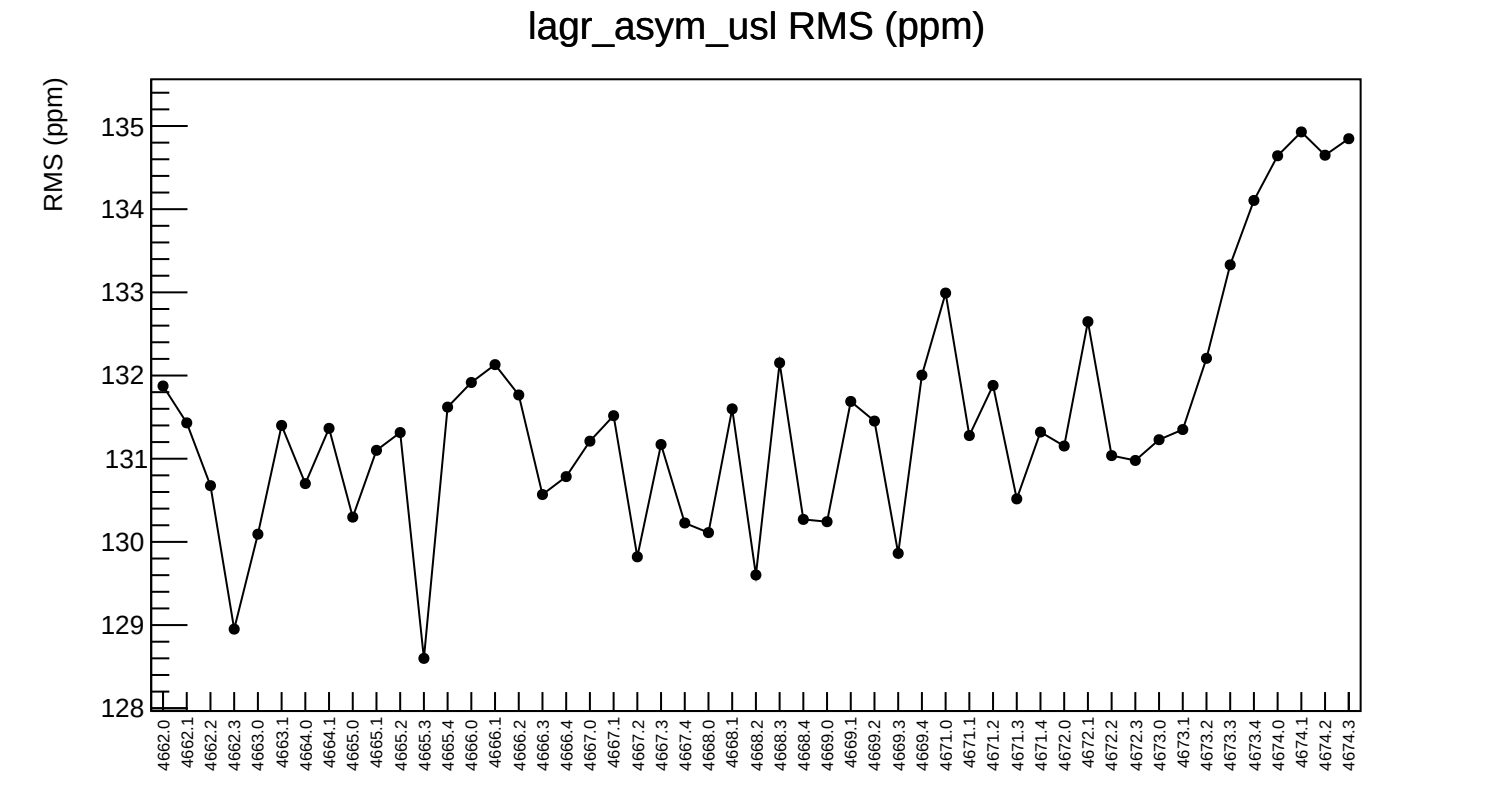

lagr_asym_usr (ppb)
χ² / ndf 33.14 / 50
p0 596.7 ± 180
4000
3000
2000
1000
0
-1000
-2000
-3000
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

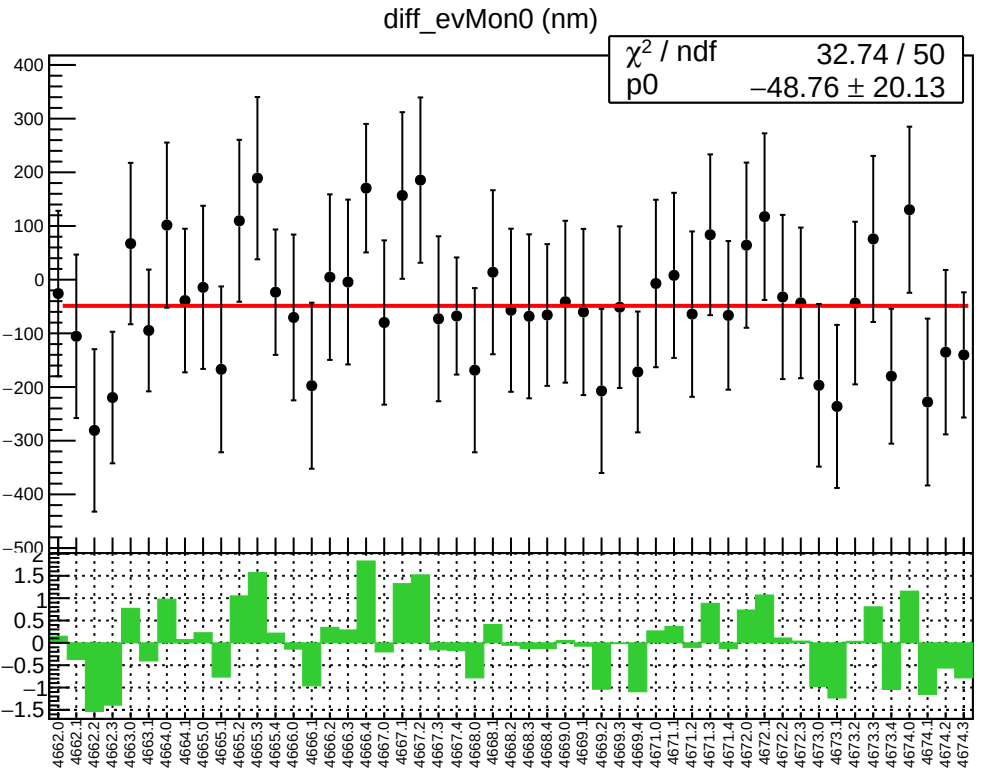

1D pull distribution
Mean 0.01487 ± 0.1129
Std Dev 0.806 ± 0.0798
Underflow 0
Overflow 0
χ² / ndf 5.364 / 5
Constant 11.66 ± 2.19
Mean −0.06179 ± 0.13231
Sigma 0.8415 ± 0.1052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

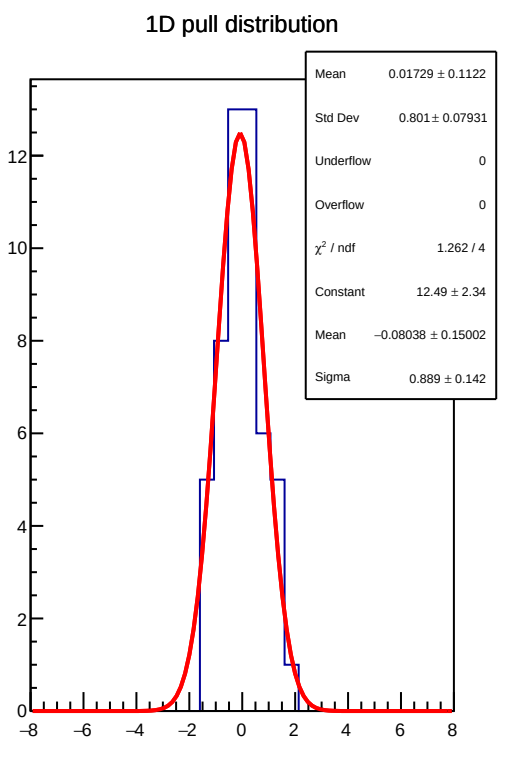

lagr_asym_usr RMS (ppm)
RMS (ppm)
131
130
129
128
127
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

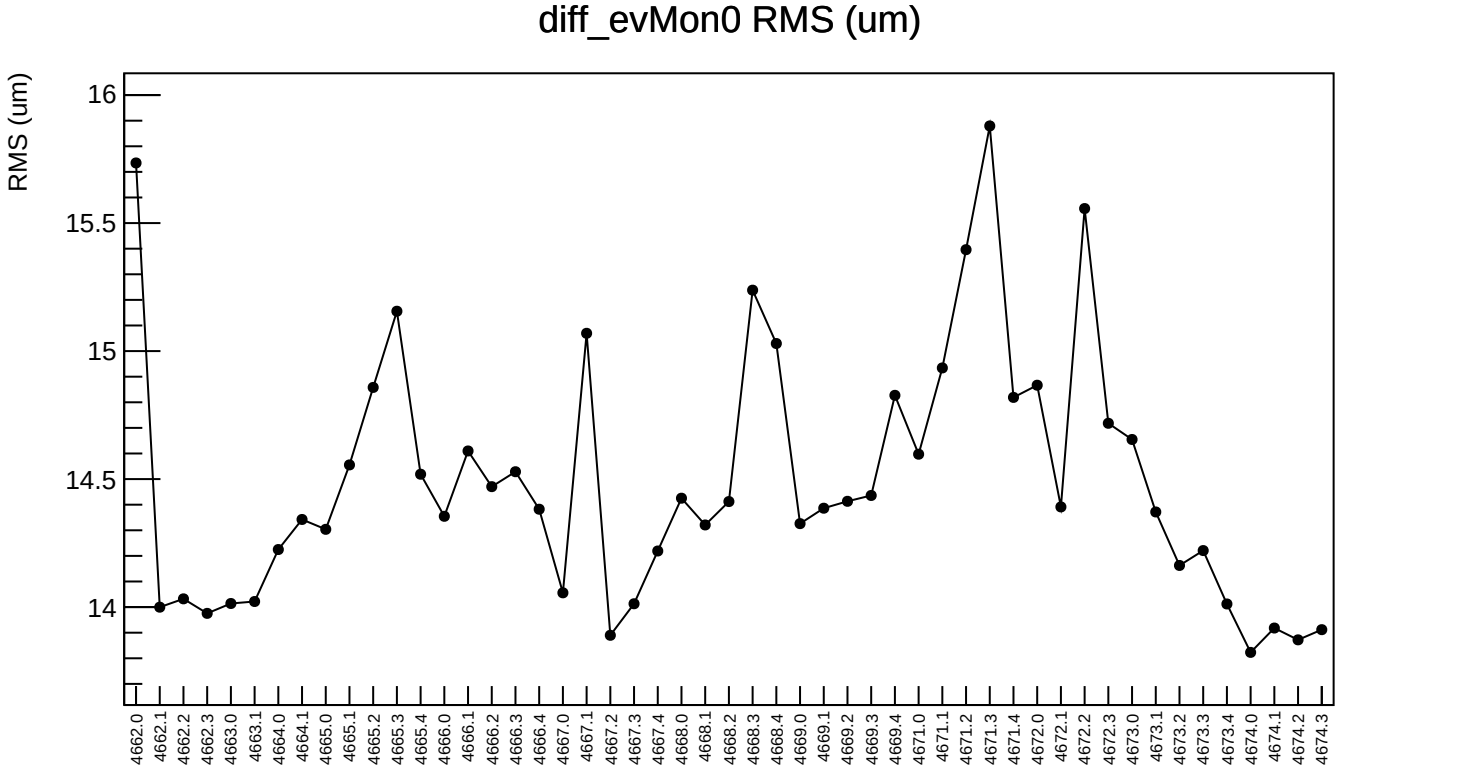

lagr_asym_usl (ppb)
χ² / ndf 51.65 / 50
p0 324.4 ± 179.3
4000
2000
0
-2000
-4000
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

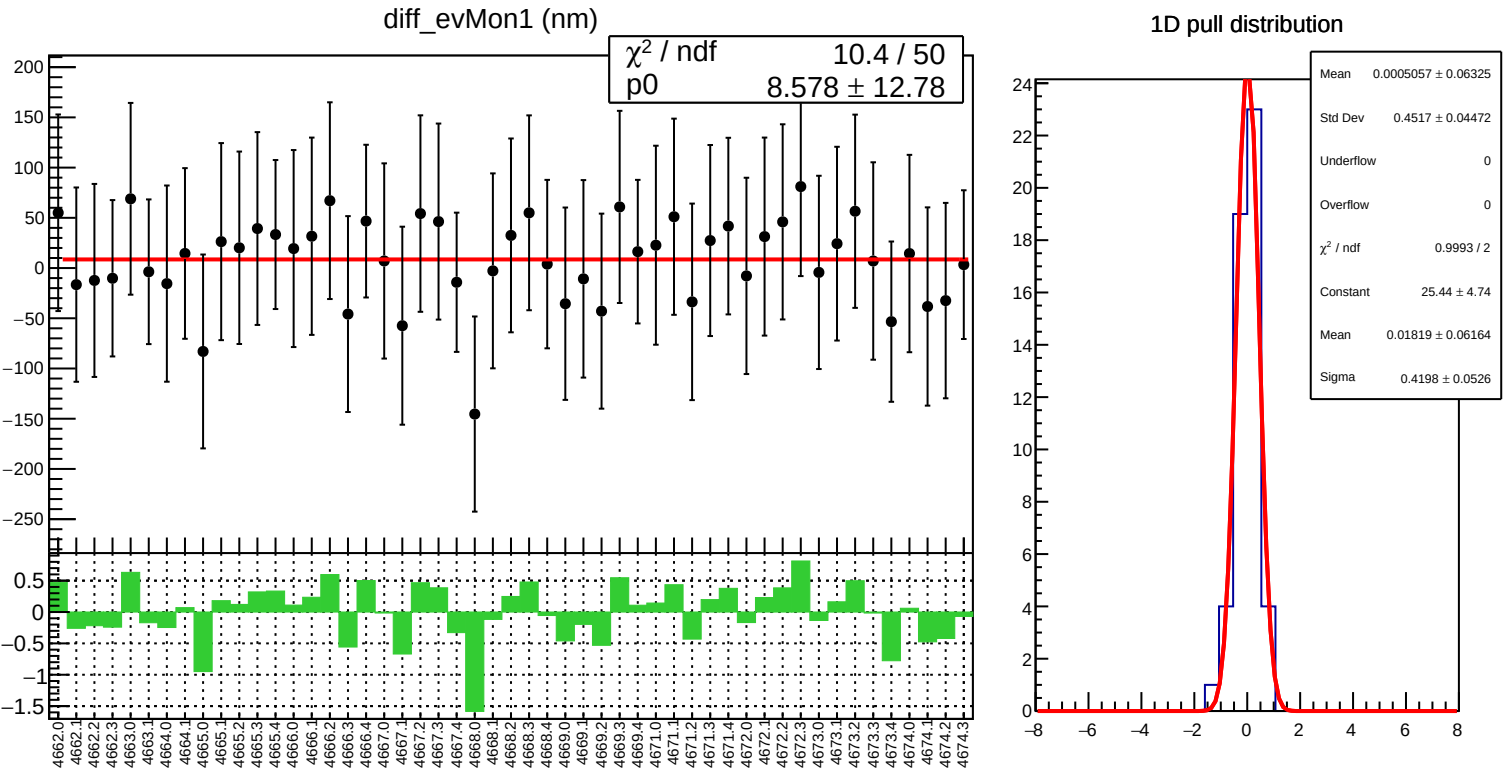

1D pull distribution
Mean −0.01323 ± 0.1409
Std Dev 1.006 ± 0.09963
Underflow 0
Overflow 0
χ² / ndf 3.211 / 7
Constant 9.653 ± 1.969
Mean −0.05254 ± 0.16549
Sigma 1.066 ± 0.167
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

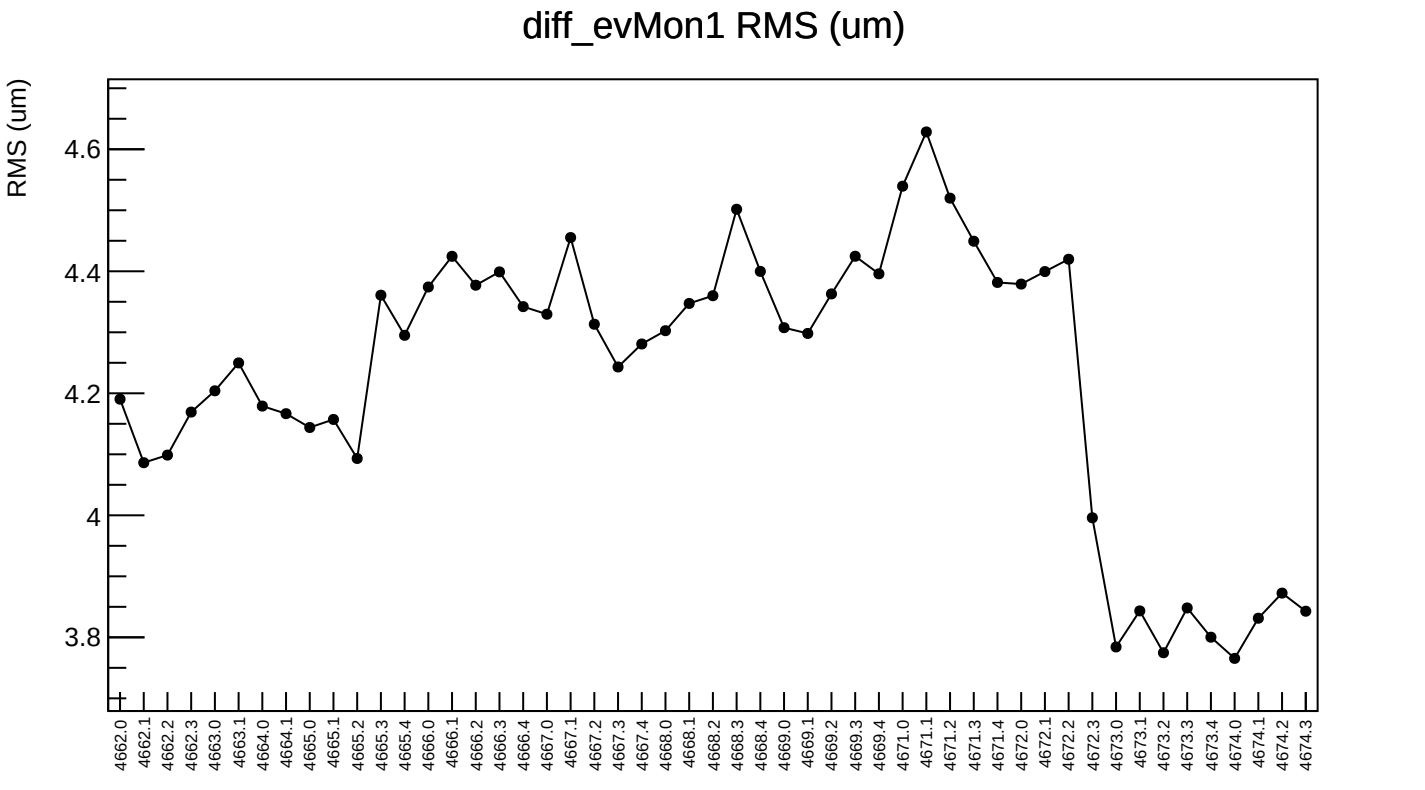

lagr_asym_usl RMS (ppm)
RMS (ppm)
135
134
133
132
131
130
129
128
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

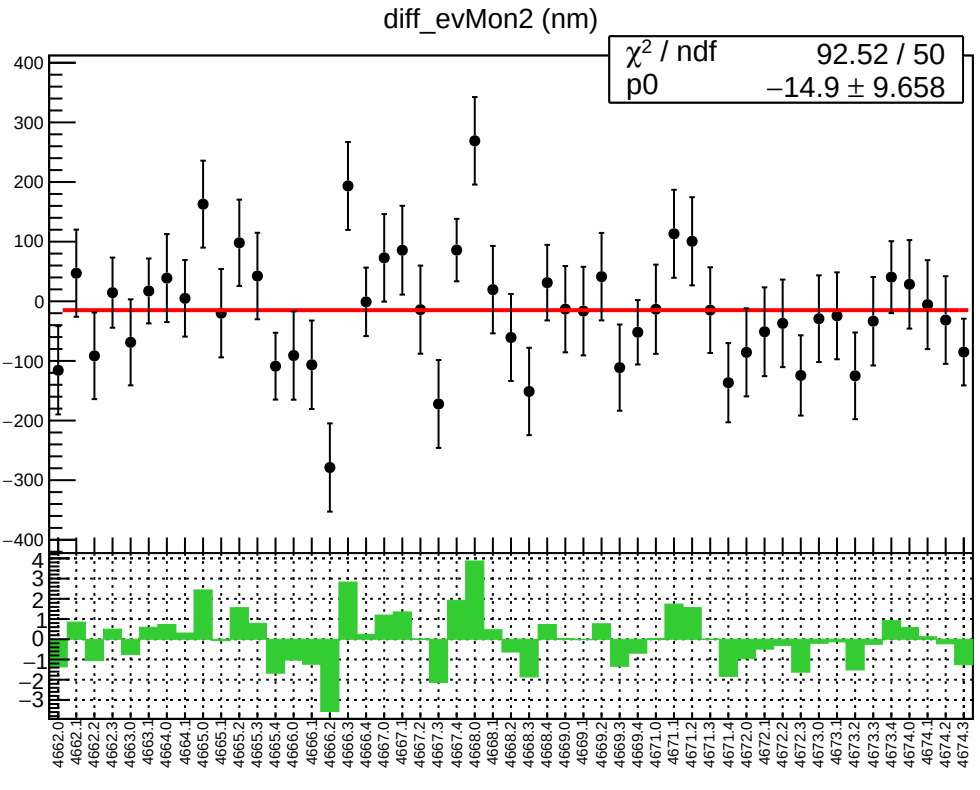

diff_evMon0 (nm)
χ² / ndf 32.74 / 50
p0 −48.76 ± 20.13

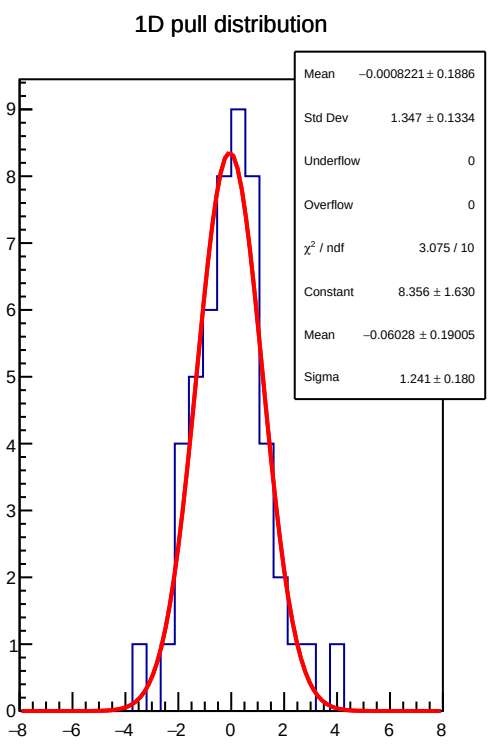

1D pull distribution
Mean 0.01729 ± 0.1122
Std Dev 0.801 ± 0.07931
Underflow 0
Overflow 0
χ² / ndf 1.262 / 4
Constant 12.49 ± 2.34
Mean −0.08038 ± 0.15002
Sigma 0.889 ± 0.142

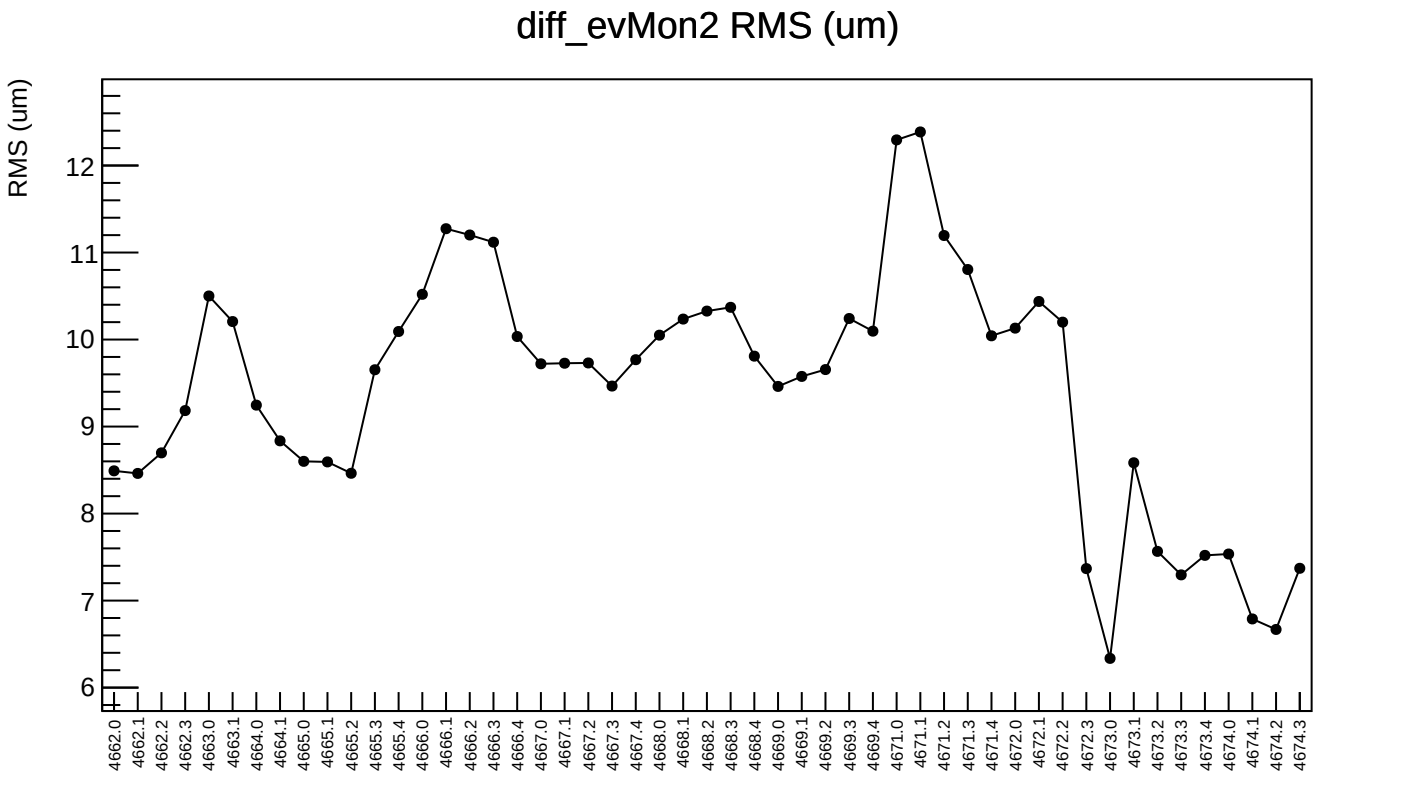

diff_evMon0 RMS (um)
RMS (um)
16
15.5
15
14.5
14
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

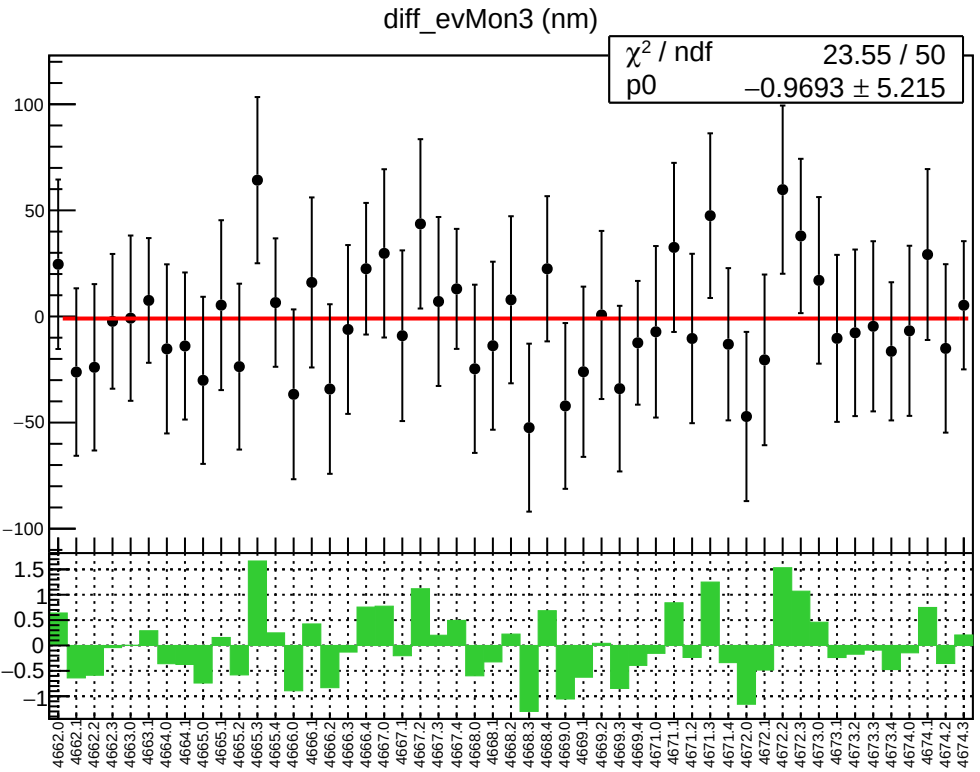

diff_evMon1 (nm)
χ² / ndf 10.4 / 50
p0 8.578 ± 12.78
1D pull distribution
Mean 0.0005057 ± 0.06325
Std Dev 0.4517 ± 0.04472
Underflow 0
Overflow 0
χ² / ndf 0.9993 / 2
Constant 25.44 ± 4.74
Mean 0.01819 ± 0.06164
Sigma 0.4198 ± 0.0526

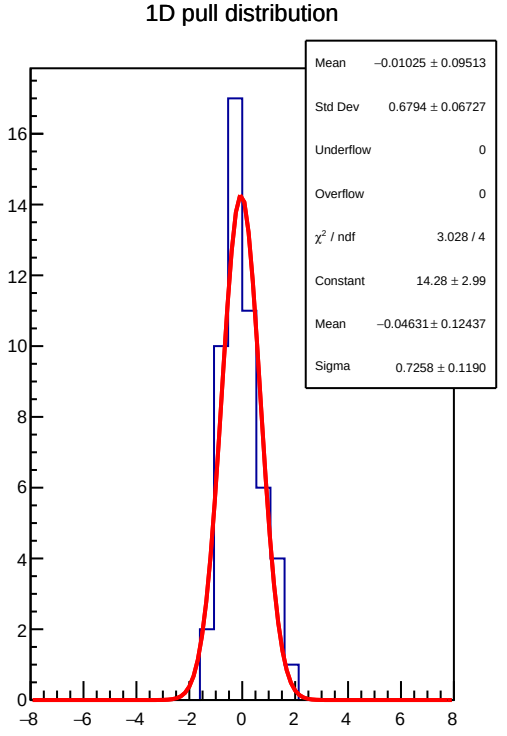

diff_evMon1 RMS (um)
RMS (um)
4.6
4.4
4.2
4
3.8
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

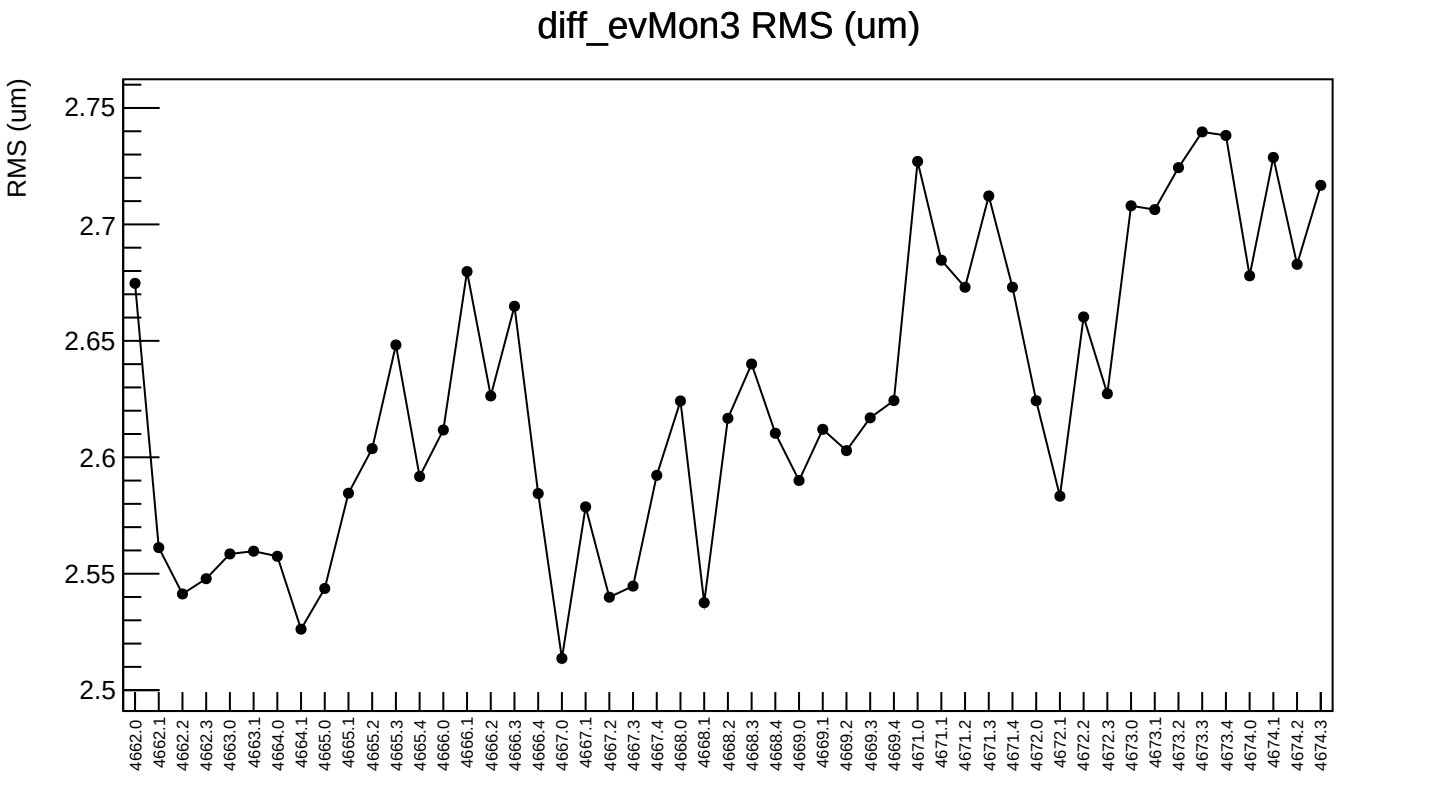

diff_evMon2 (nm)
χ² / ndf 92.52 / 50
p0 −14.9 ± 9.658

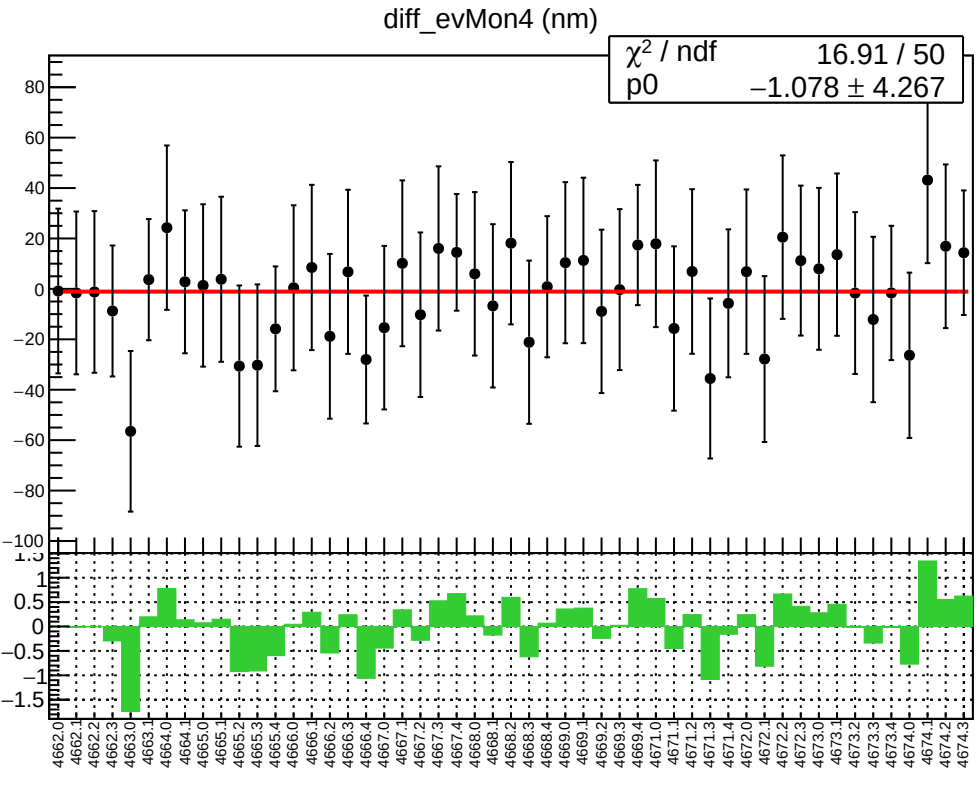

1D pull distribution
Mean −0.0008221 ± 0.1886
Std Dev 1.347 ± 0.1334
Underflow 0
Overflow 0
χ² / ndf 3.075 / 10
Constant 8.356 ± 1.630
Mean −0.06028 ± 0.19005
Sigma 1.241 ± 0.180

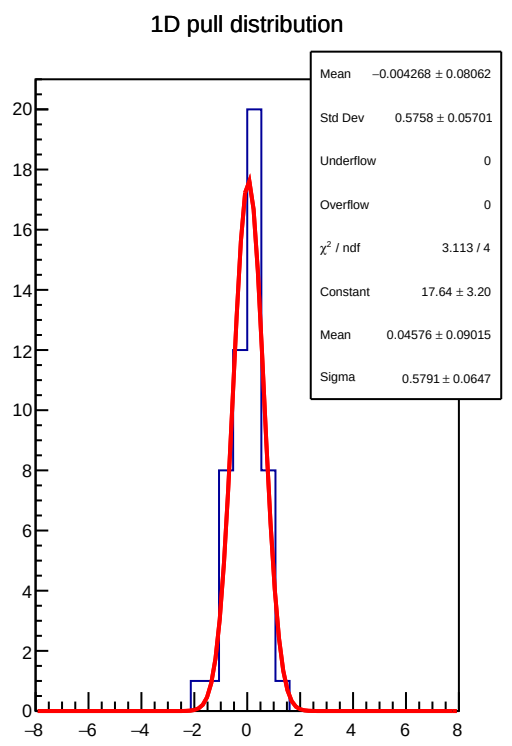

diff_evMon2 RMS (um)
RMS (um)
12
11
10
9
8
7
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

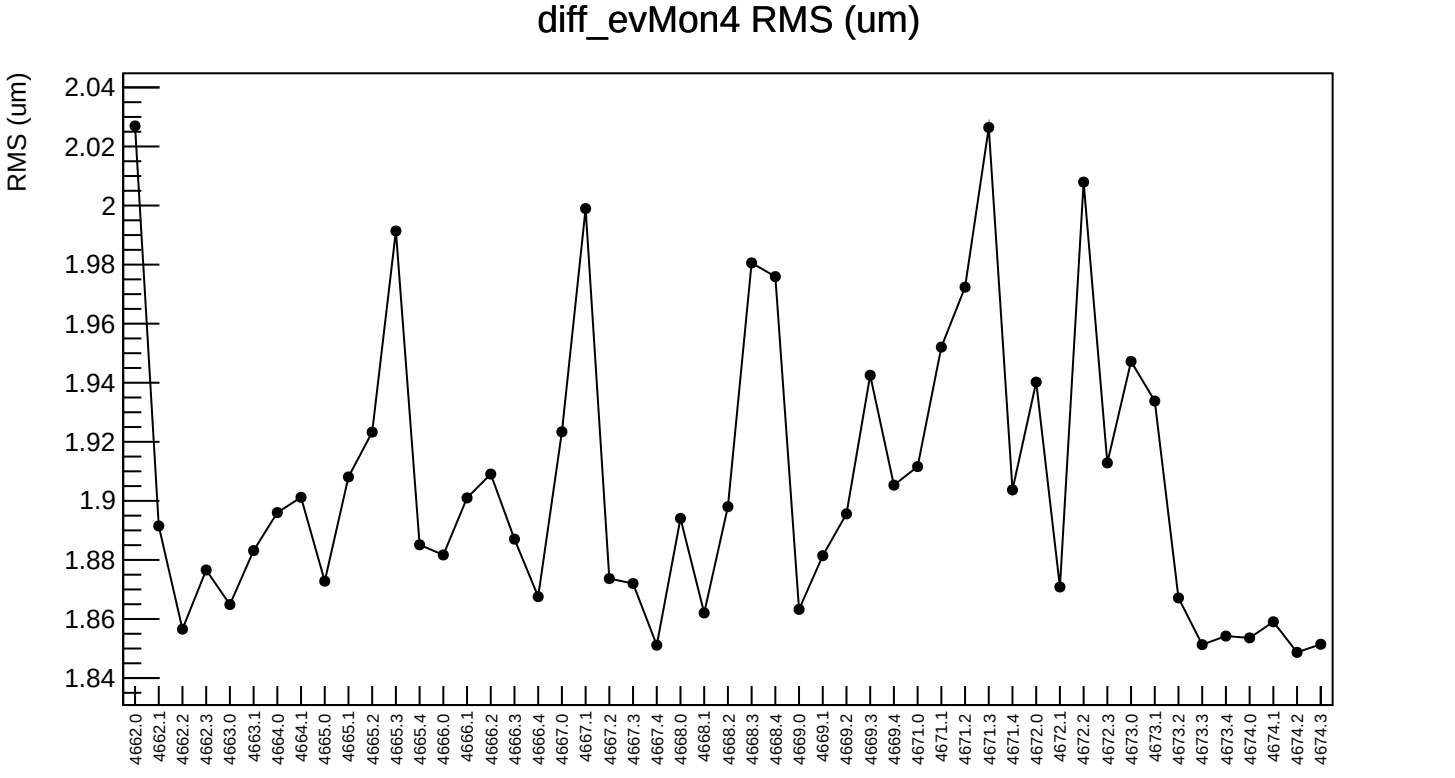

diff_evMon3 (nm)
χ² / ndf 23.55 / 50
p0 −0.9693 ± 5.215
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

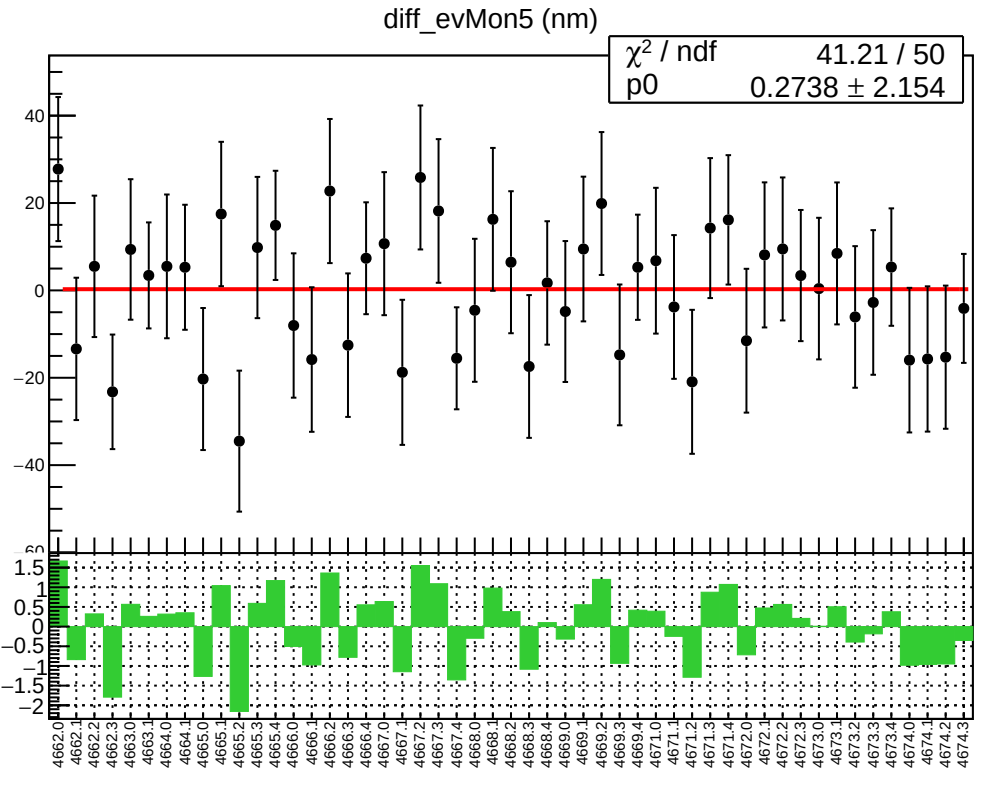

1D pull distribution
Mean −0.01025 ± 0.09513
Std Dev 0.6794 ± 0.06727
Underflow 0
Overflow 0
χ² / ndf 3.028 / 4
Constant 14.28 ± 2.99
Mean −0.04631 ± 0.12437
Sigma 0.7258 ± 0.1190
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

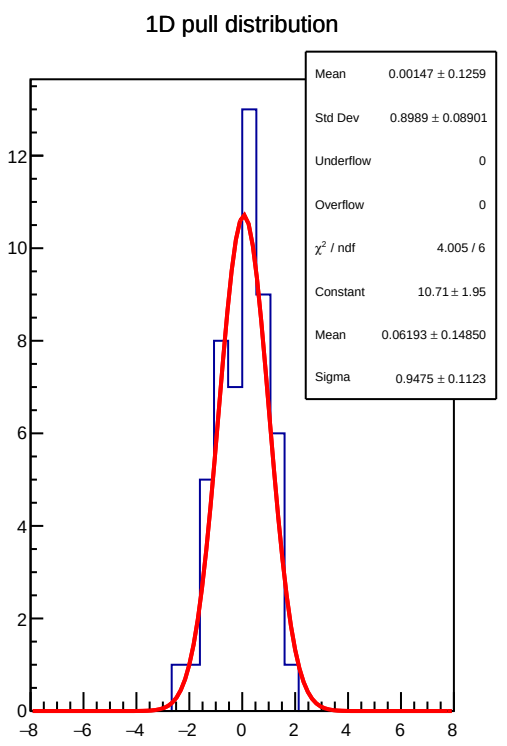

diff_evMon3 RMS (um)
RMS (um)
2.75
2.7
2.65
2.6
2.55
2.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

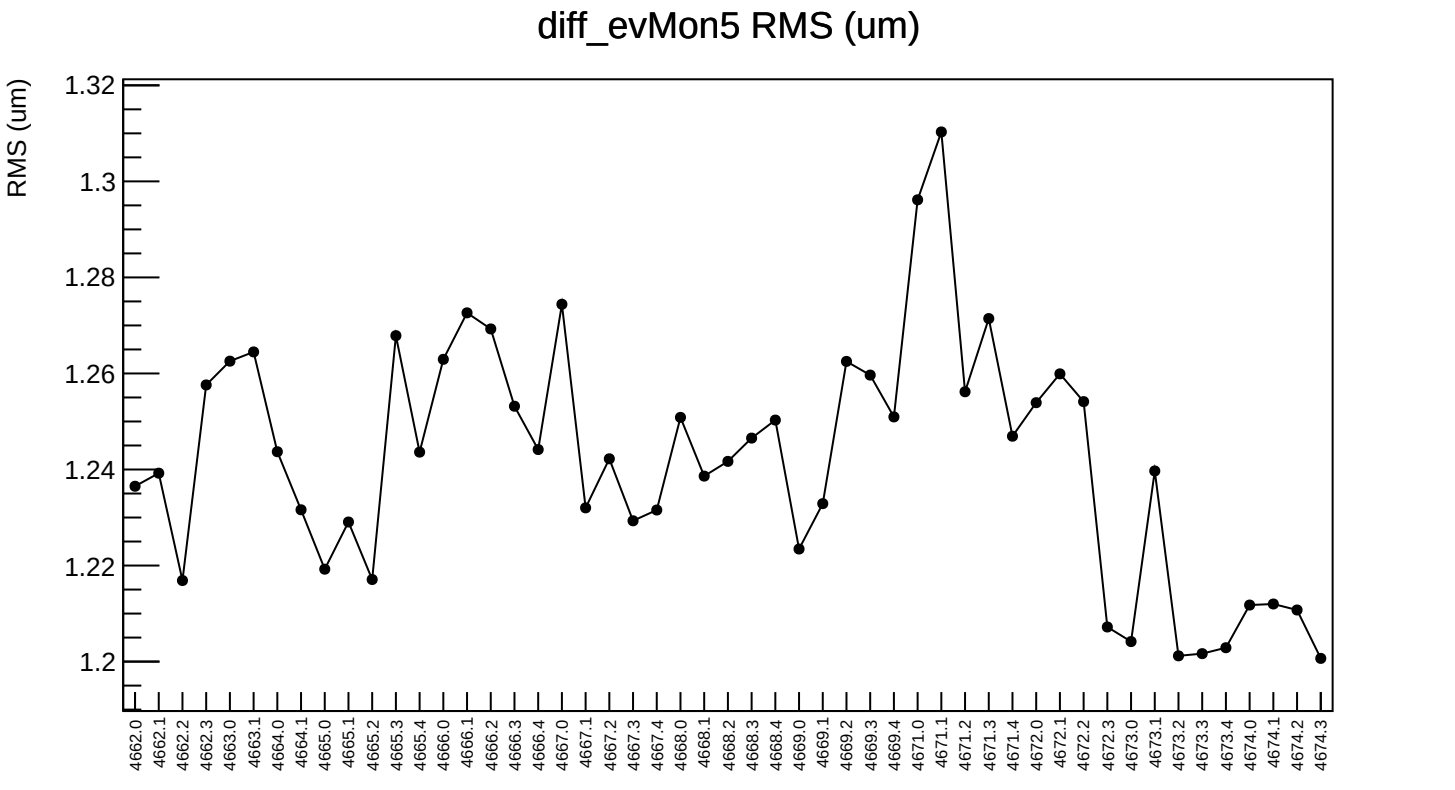

diff_evMon4 (nm)
χ² / ndf 16.91 / 50
p0 −1.078 ± 4.267

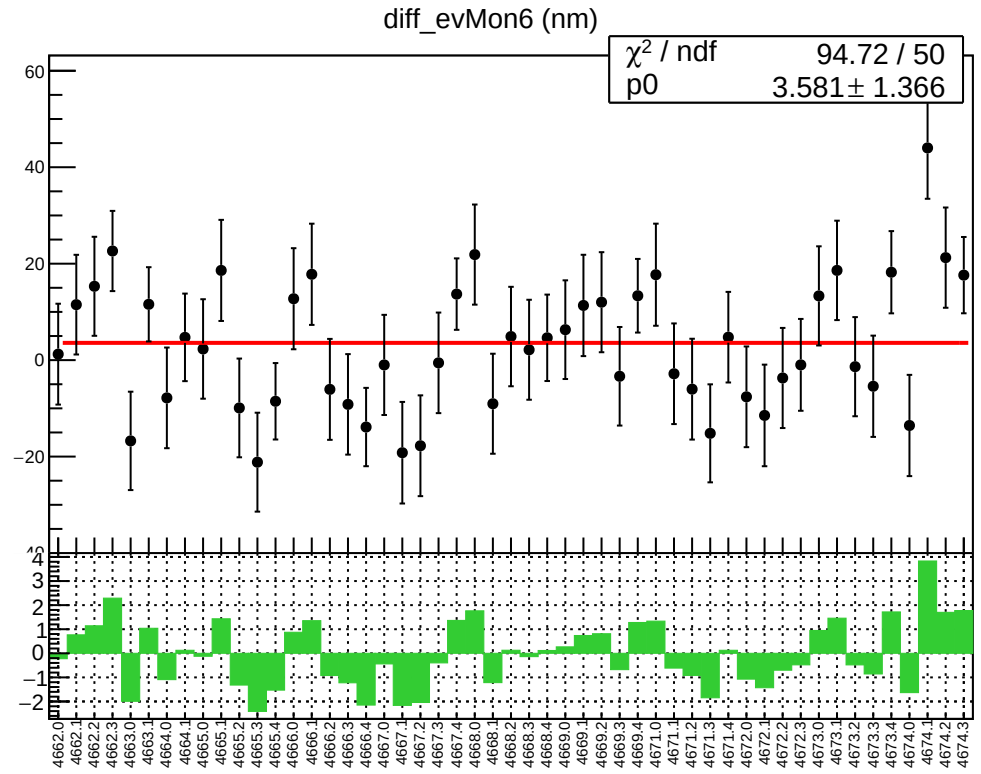

1D pull distribution
Mean −0.004268 ± 0.08062
Std Dev 0.5758 ± 0.05701
Underflow 0
Overflow 0
χ² / ndf 3.113 / 4
Constant 17.64 ± 3.20
Mean 0.04576 ± 0.09015
Sigma 0.5791 ± 0.0647

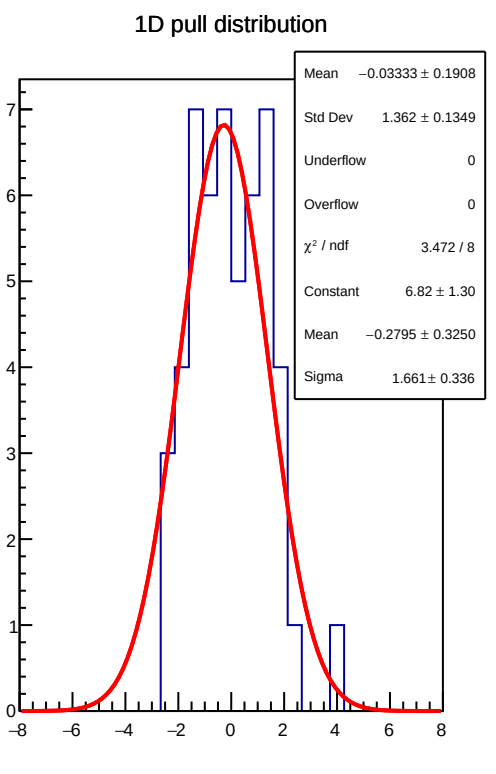

diff_evMon4 RMS (um)
RMS (um)
2.04
2.02
2
1.98
1.96
1.94
1.92
1.9
1.88
1.86
1.84
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

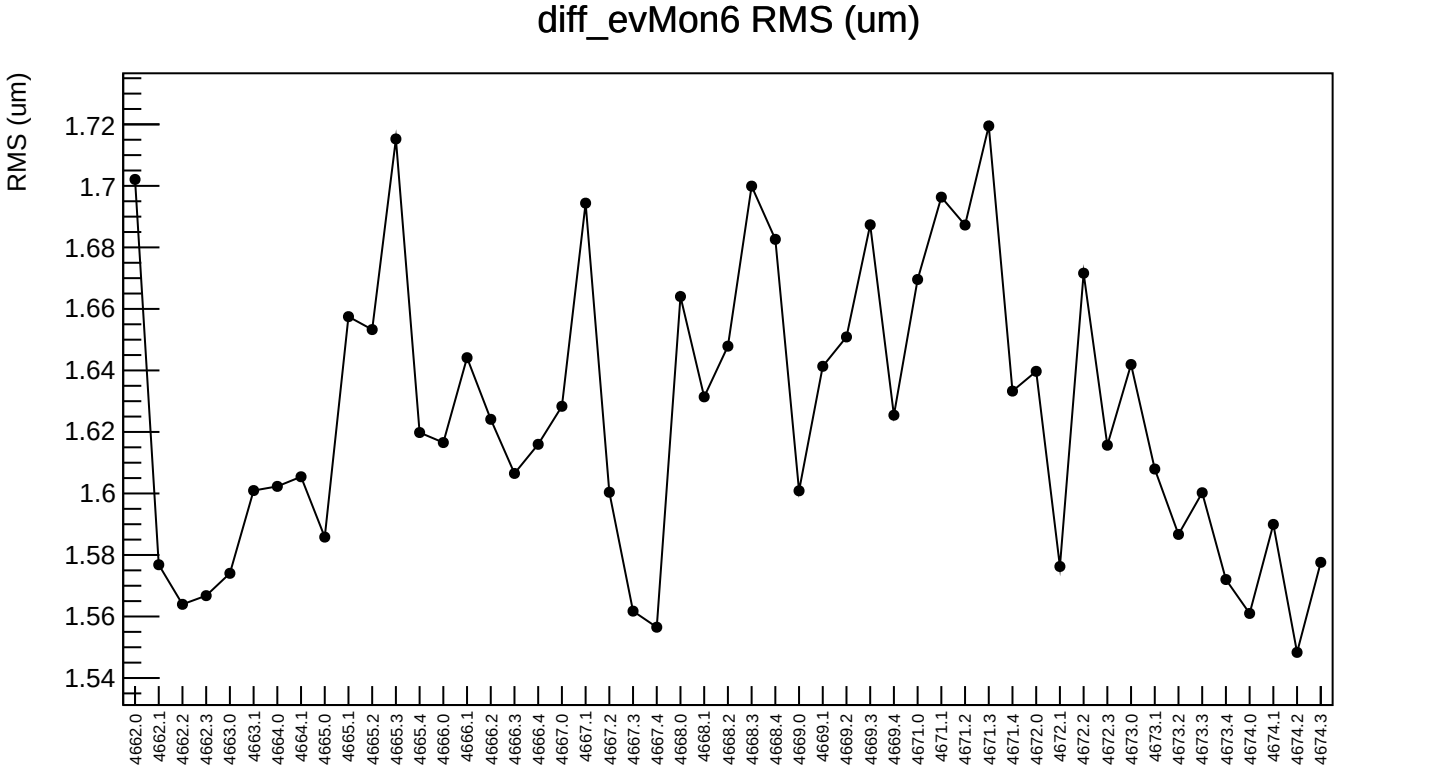

diff_evMon5 (nm)
χ² / ndf 41.21 / 50
p0 0.2738 ± 2.154

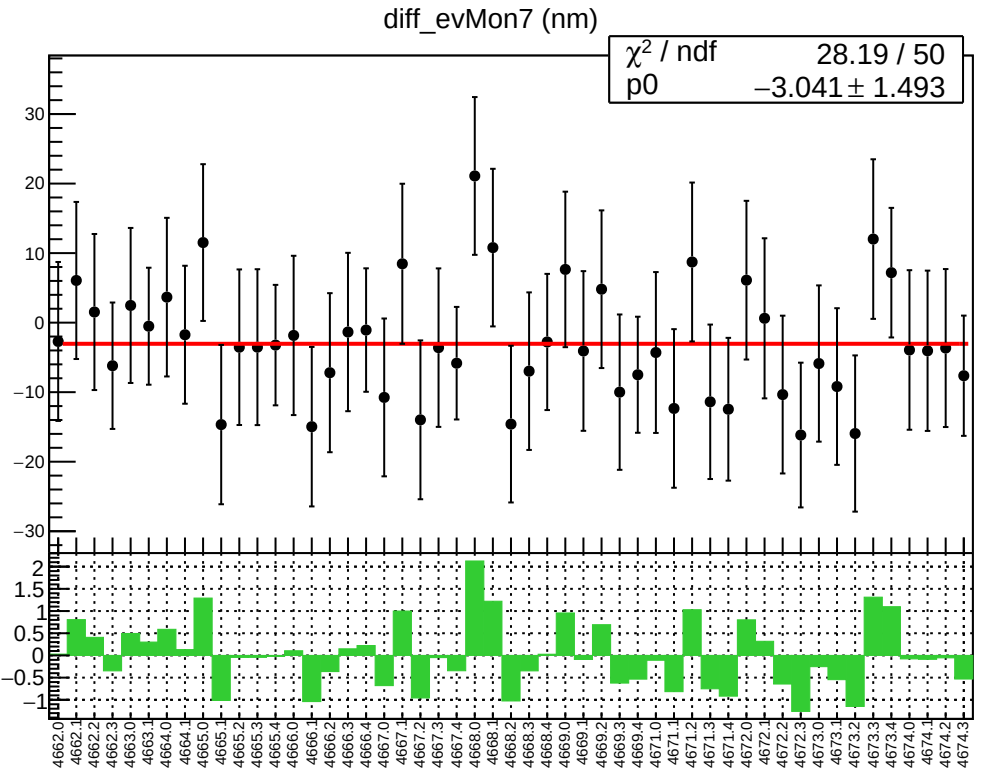

1D pull distribution
Mean 0.00147 ± 0.1259
Std Dev 0.8989 ± 0.08901
Underflow 0
Overflow 0
χ² / ndf 4.005 / 6
Constant 10.71 ± 1.95
Mean 0.06193 ± 0.14850
Sigma 0.9475 ± 0.1123

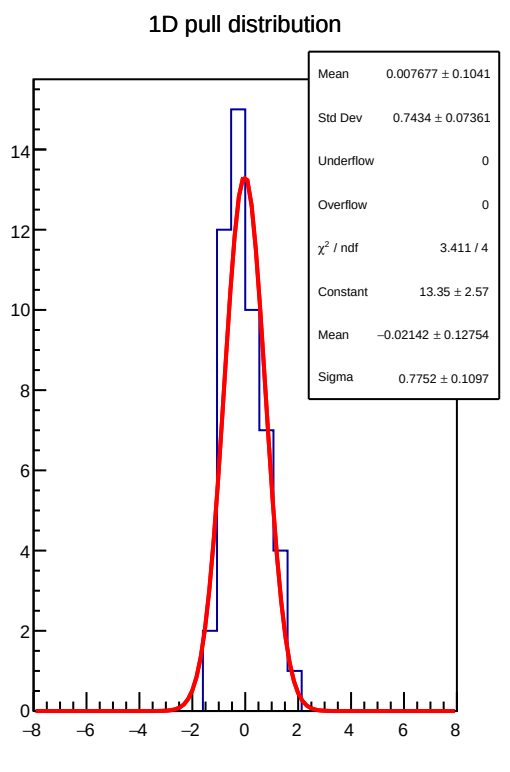

diff_evMon5 RMS (um)
RMS (um)
1.32
1.3
1.28
1.26
1.24
1.22
1.2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

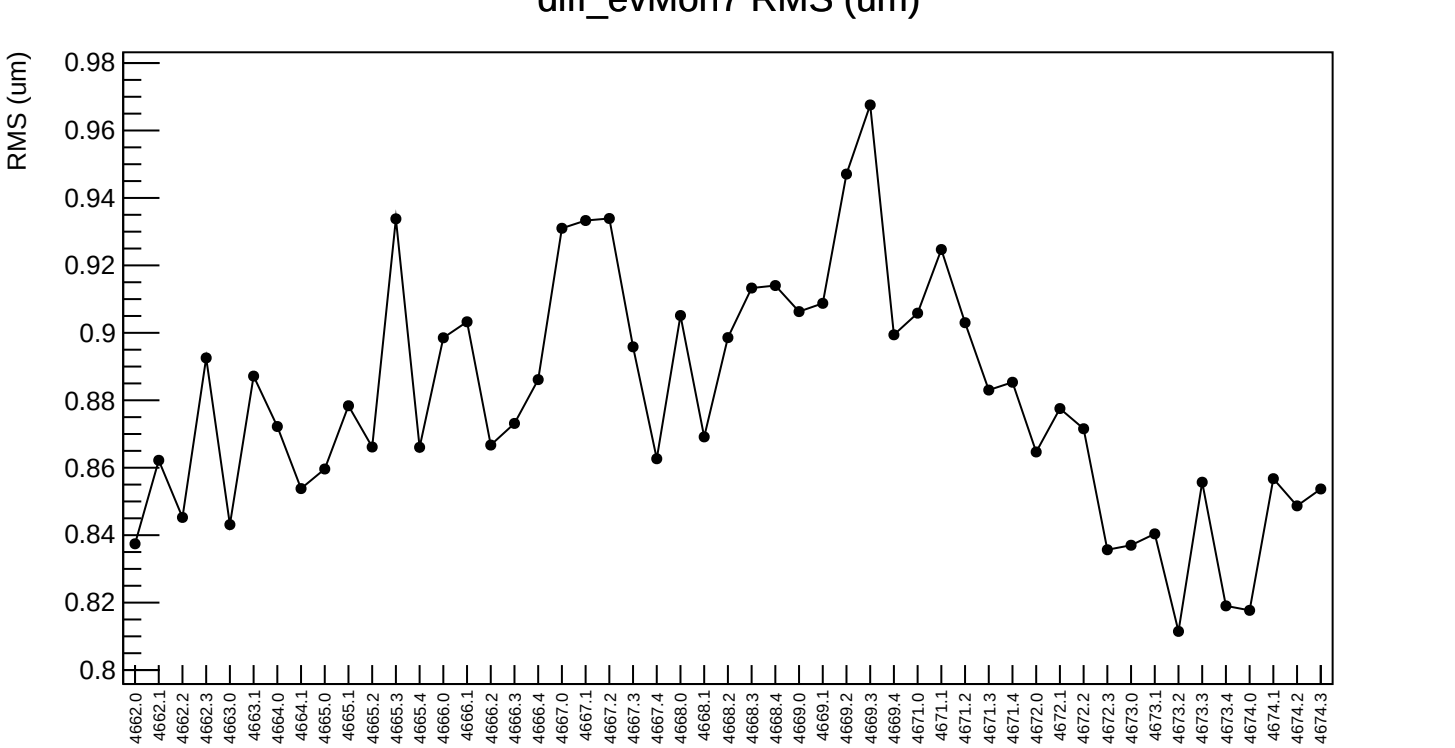

diff_evMon6 (nm)
χ² / ndf 94.72 / 50
p0 3.581 ± 1.366
60
40
20
0
−20
4
3
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

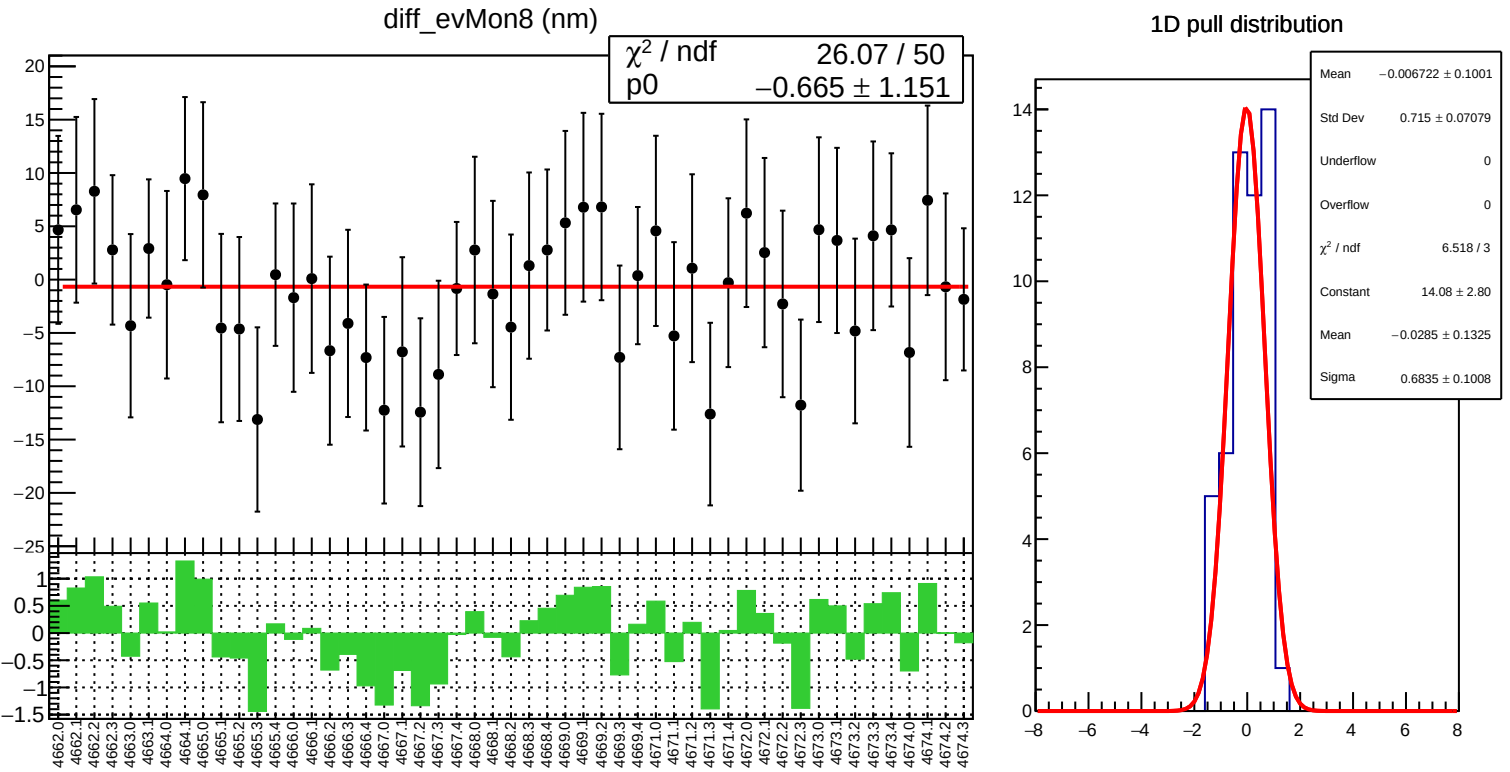

1D pull distribution
Mean −0.03333 ± 0.1908
Std Dev 1.362 ± 0.1349
Underflow 0
Overflow 0
χ² / ndf 3.472 / 8
Constant 6.82 ± 1.30
Mean −0.2795 ± 0.3250
Sigma 1.661 ± 0.336
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

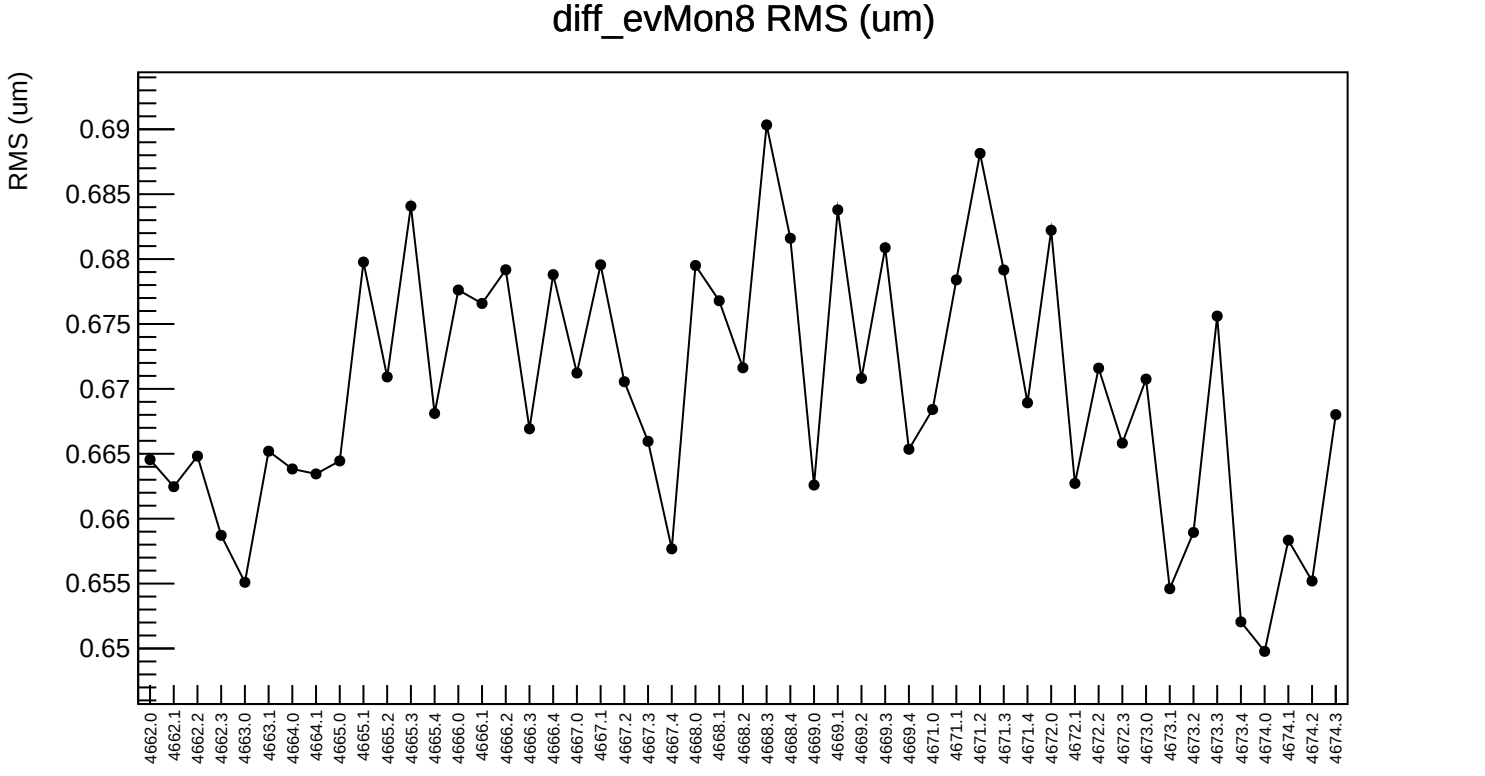

diff_evMon6 RMS (um)
RMS (um)
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

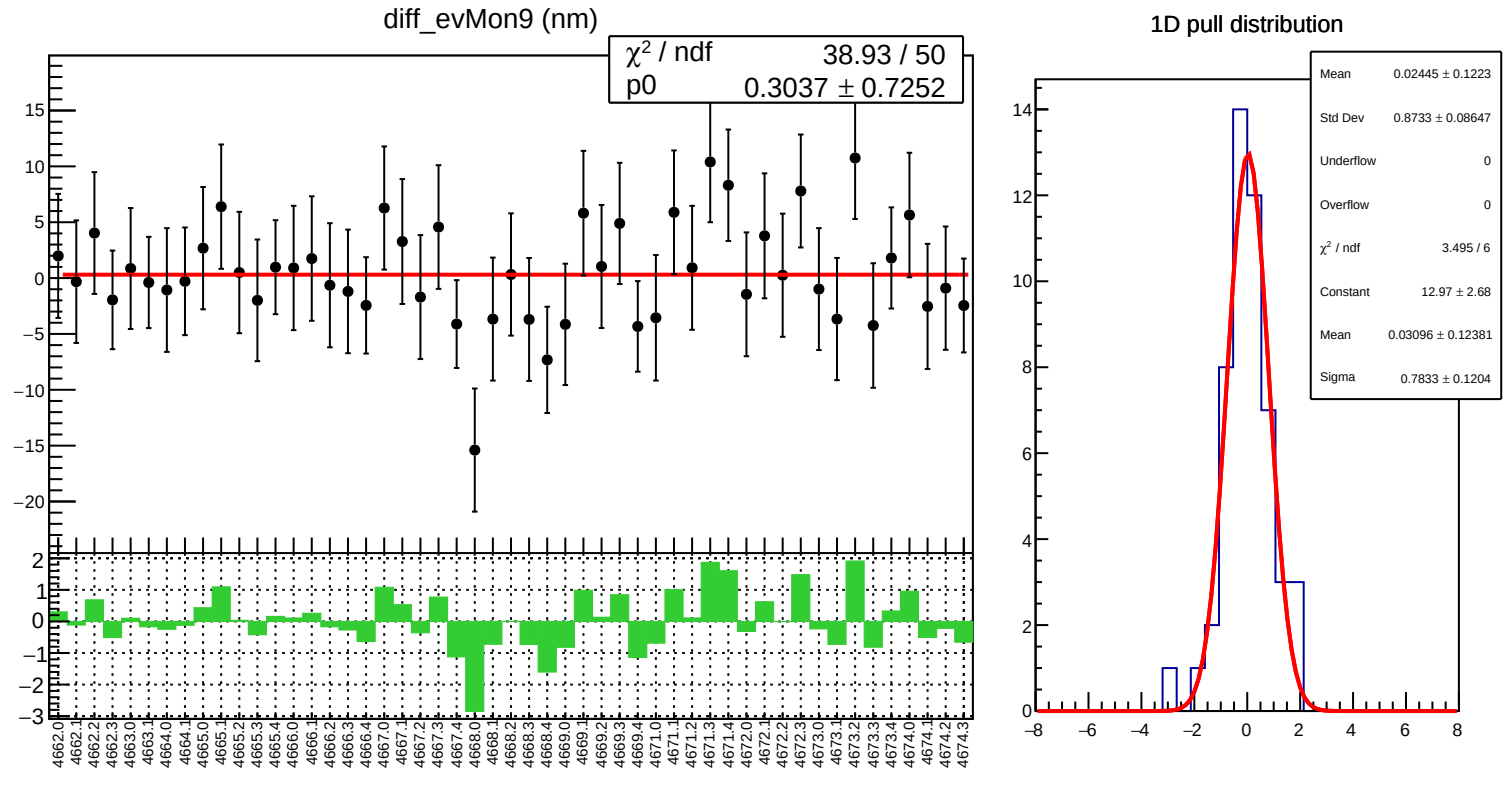

diff_evMon7 (nm)
χ² / ndf 28.19 / 50
p0 −3.041 ± 1.493

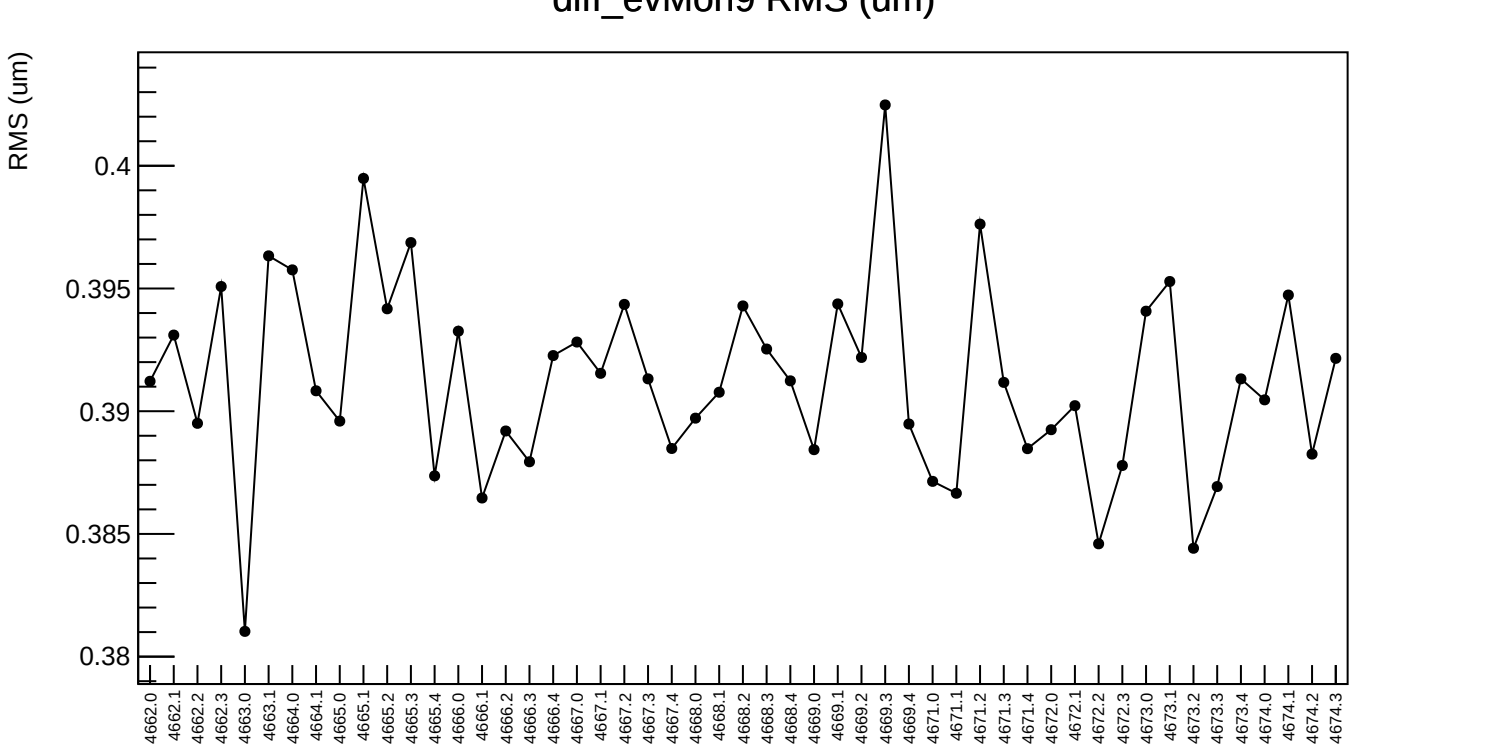

1D pull distribution
Mean 0.007677 ± 0.1041
Std Dev 0.7434 ± 0.07361
Underflow 0
Overflow 0
χ² / ndf 3.411 / 4
Constant 13.35 ± 2.57
Mean −0.02142 ± 0.12754
Sigma 0.7752 ± 0.1097

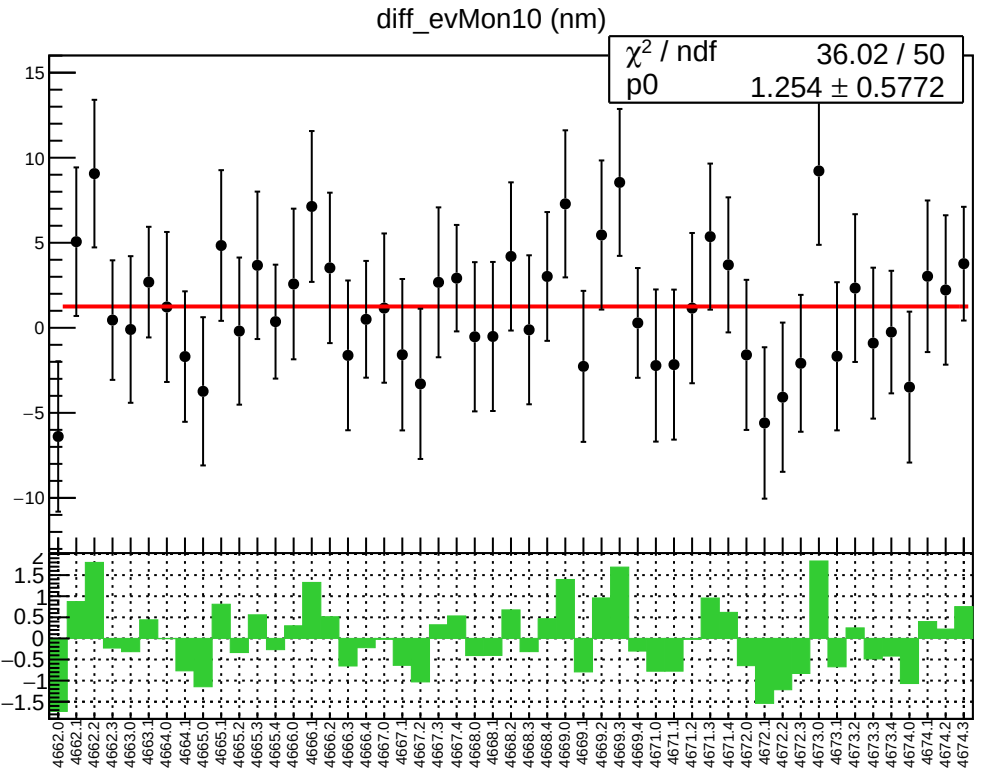

diff_evMon7 RMS (um)
RMS (um)
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

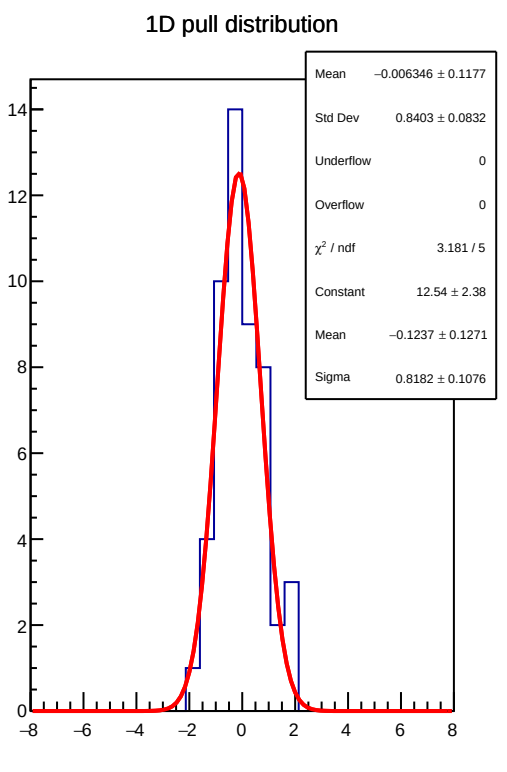

diff_evMon8 (nm)
χ² / ndf 26.07 / 50
p0 −0.665 ± 1.151
1D pull distribution
Mean −0.006722 ± 0.1001
Std Dev 0.715 ± 0.07079
Underflow 0
Overflow 0
χ² / ndf 6.518 / 3
Constant 14.08 ± 2.80
Mean −0.0285 ± 0.1325
Sigma 0.6835 ± 0.1008

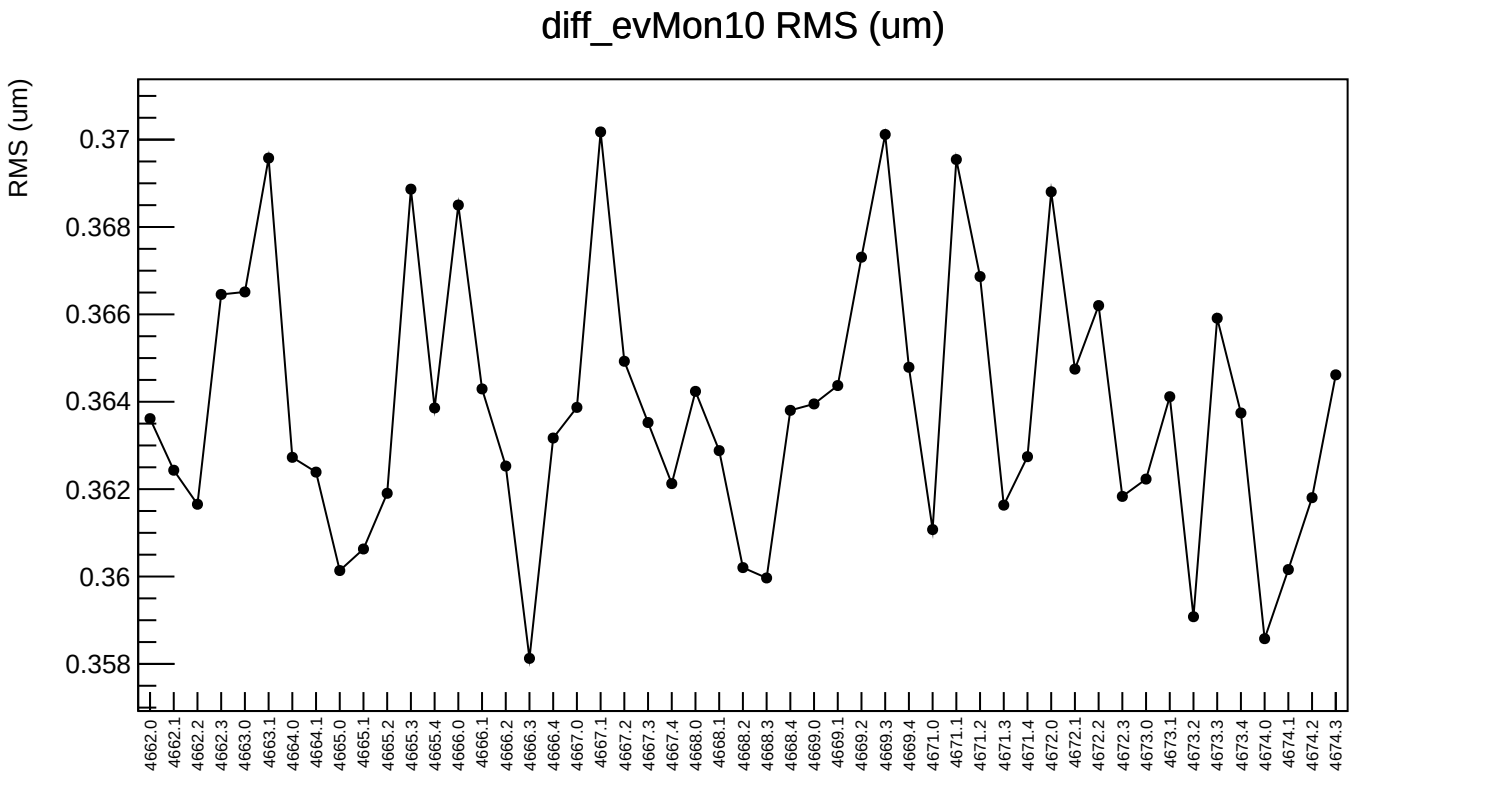

diff_evMon8 RMS (um)
RMS (um)
0.69
0.685
0.68
0.675
0.67
0.665
0.66
0.655
0.65
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

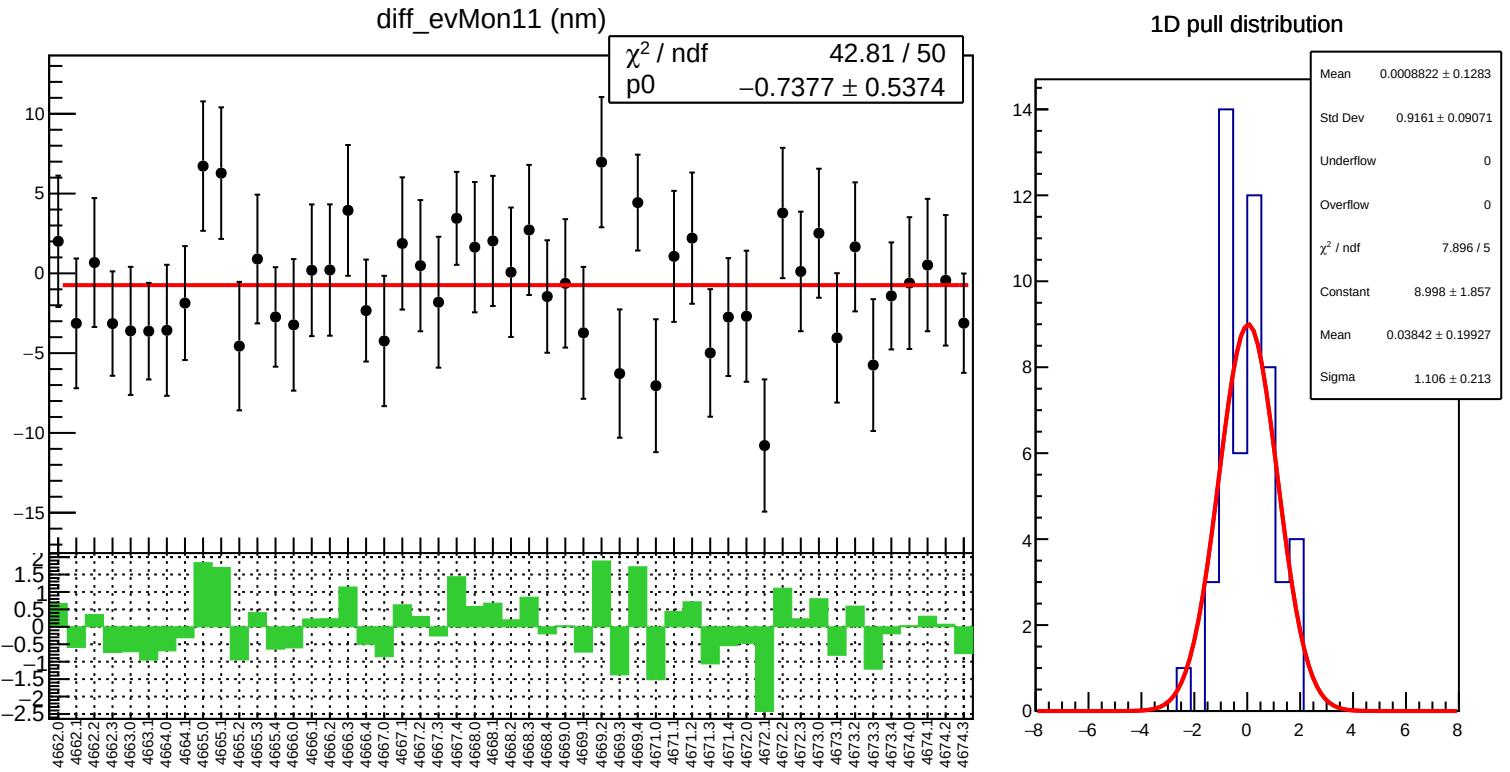

diff_evMon9 (nm)
χ² / ndf 38.93 / 50
p0 0.3037 ± 0.7252
1D pull distribution
Mean 0.02445 ± 0.1223
Std Dev 0.8733 ± 0.08647
Underflow 0
Overflow 0
χ² / ndf 3.495 / 6
Constant 12.97 ± 2.68
Mean 0.03096 ± 0.12381
Sigma 0.7833 ± 0.1204

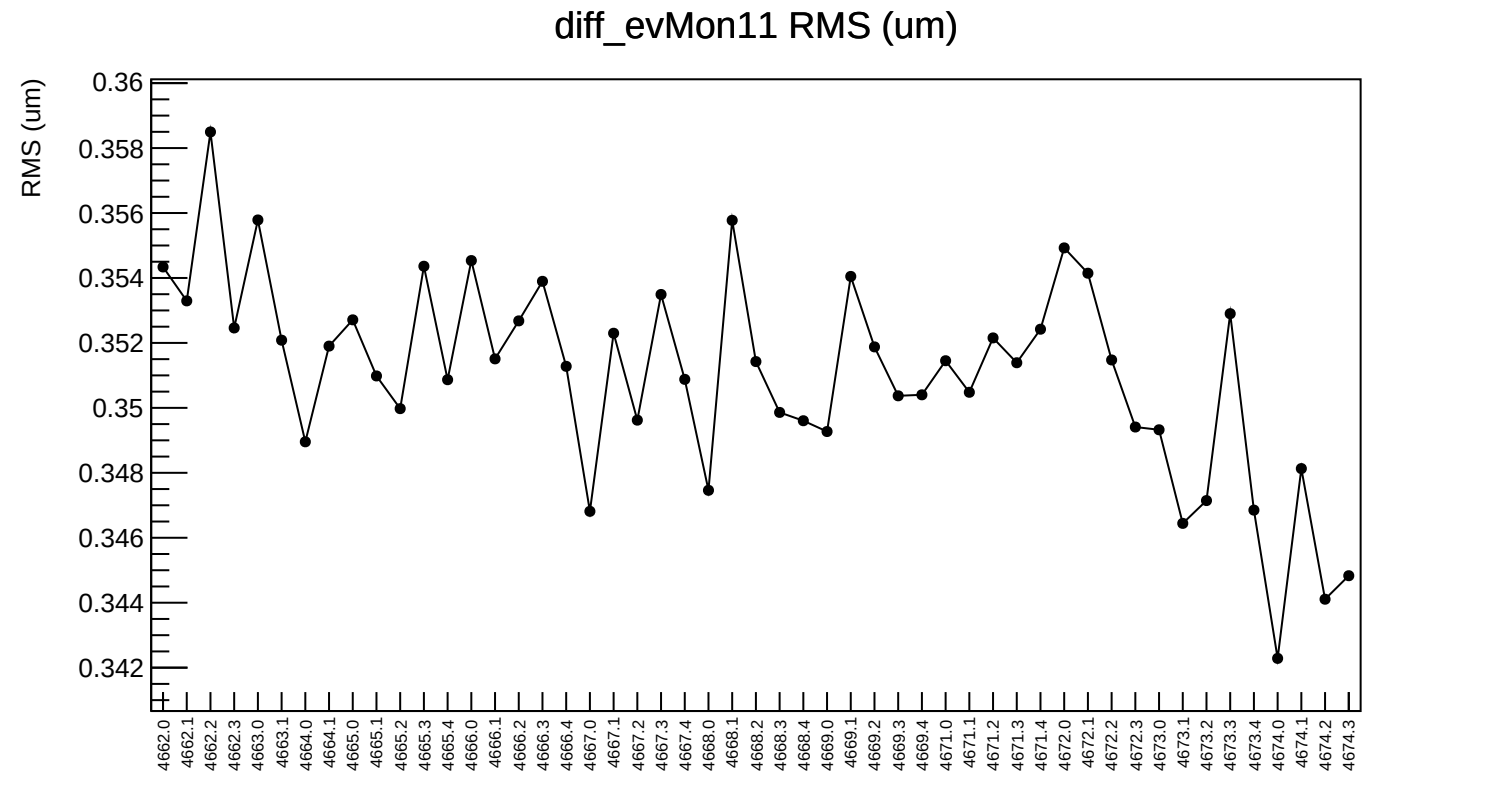

diff_evMon9 RMS (um)
RMS (um)
0.4
0.395
0.39
0.385
0.38
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

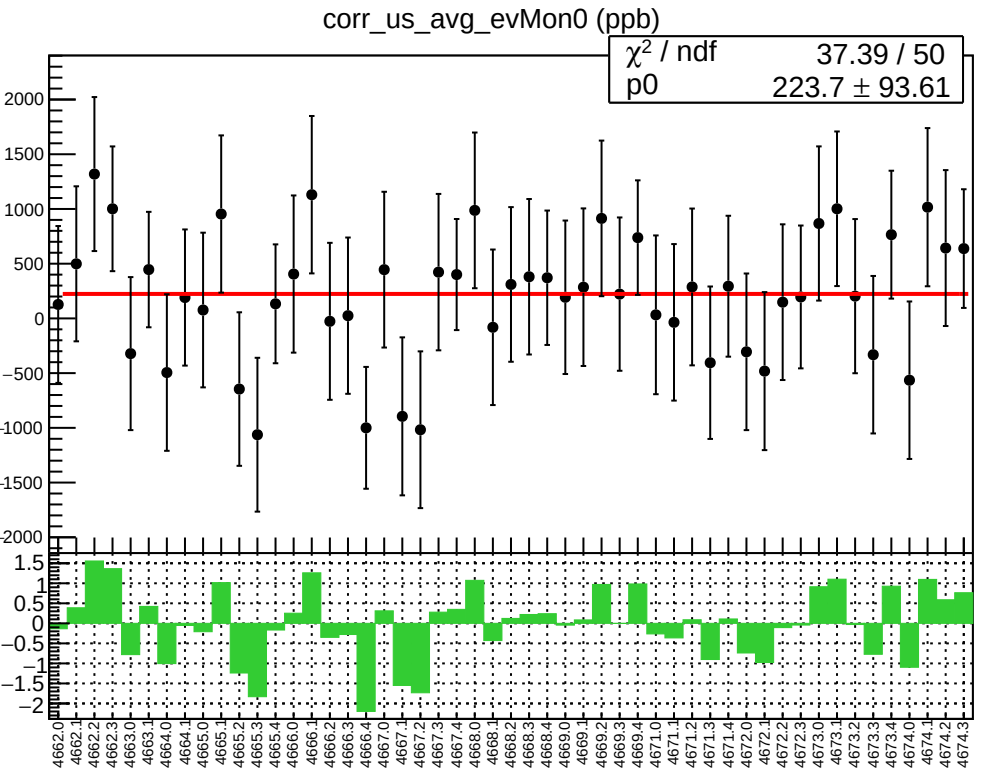

diff_evMon10 (nm)
χ² / ndf 36.02 / 50
p0 1.254 ± 0.5772

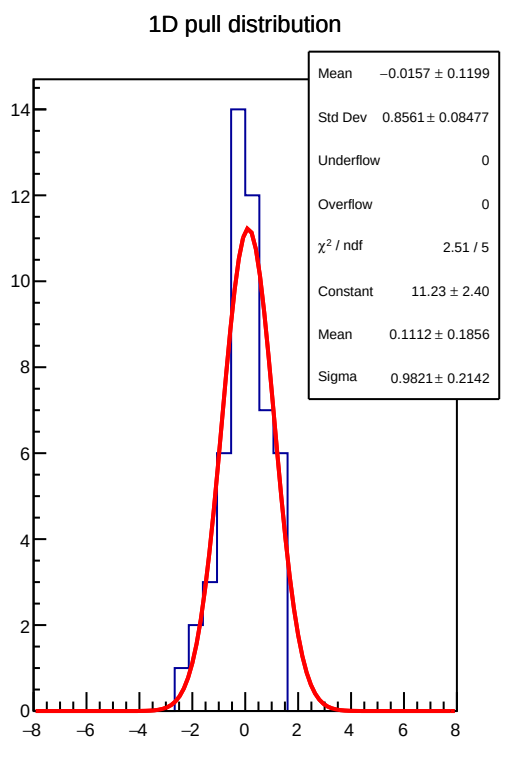

1D pull distribution
Mean −0.006346 ± 0.1177
Std Dev 0.8403 ± 0.0832
Underflow 0
Overflow 0
χ² / ndf 3.181 / 5
Constant 12.54 ± 2.38
Mean −0.1237 ± 0.1271
Sigma 0.8182 ± 0.1076

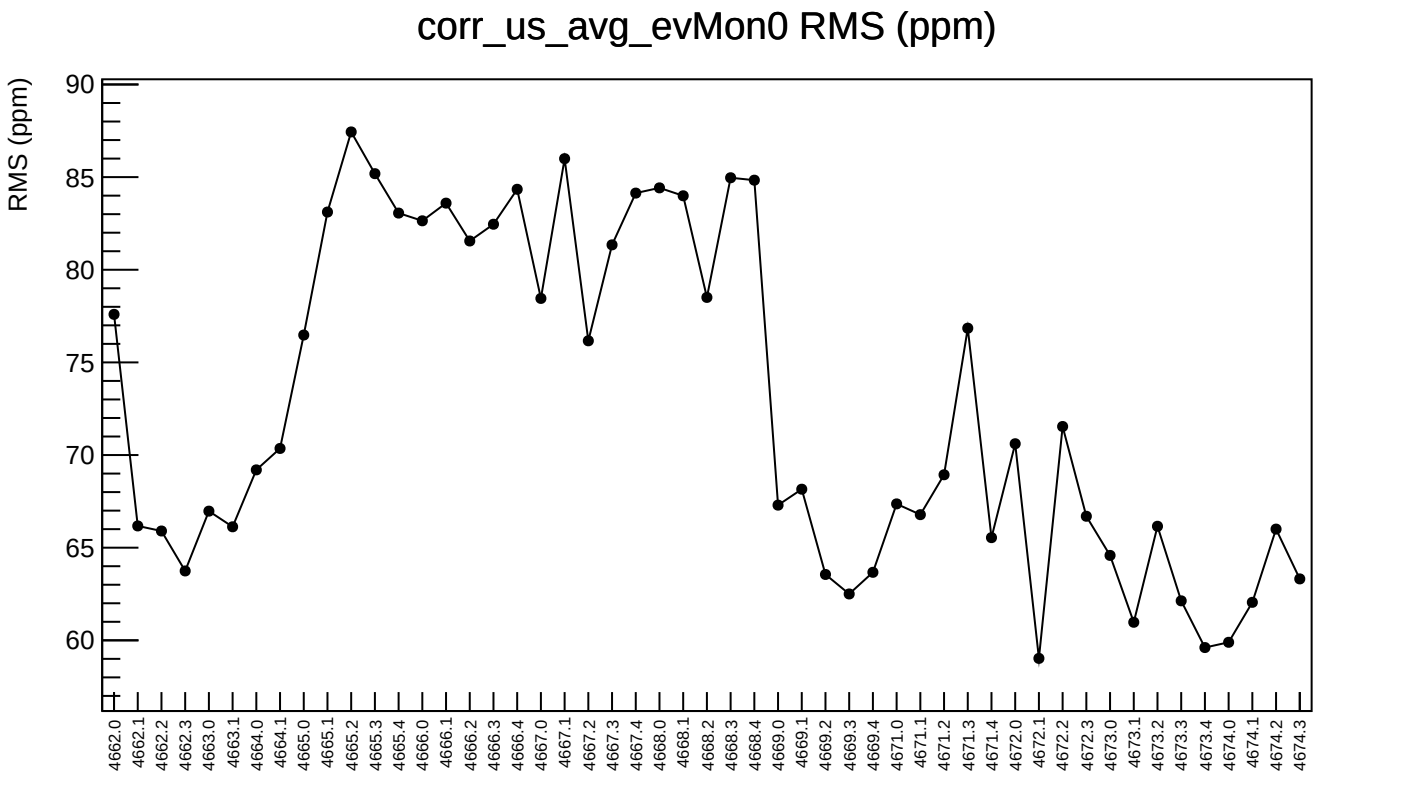

diff_evMon10 RMS (um)
RMS (um)
0.37
0.368
0.366
0.364
0.362
0.36
0.358
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

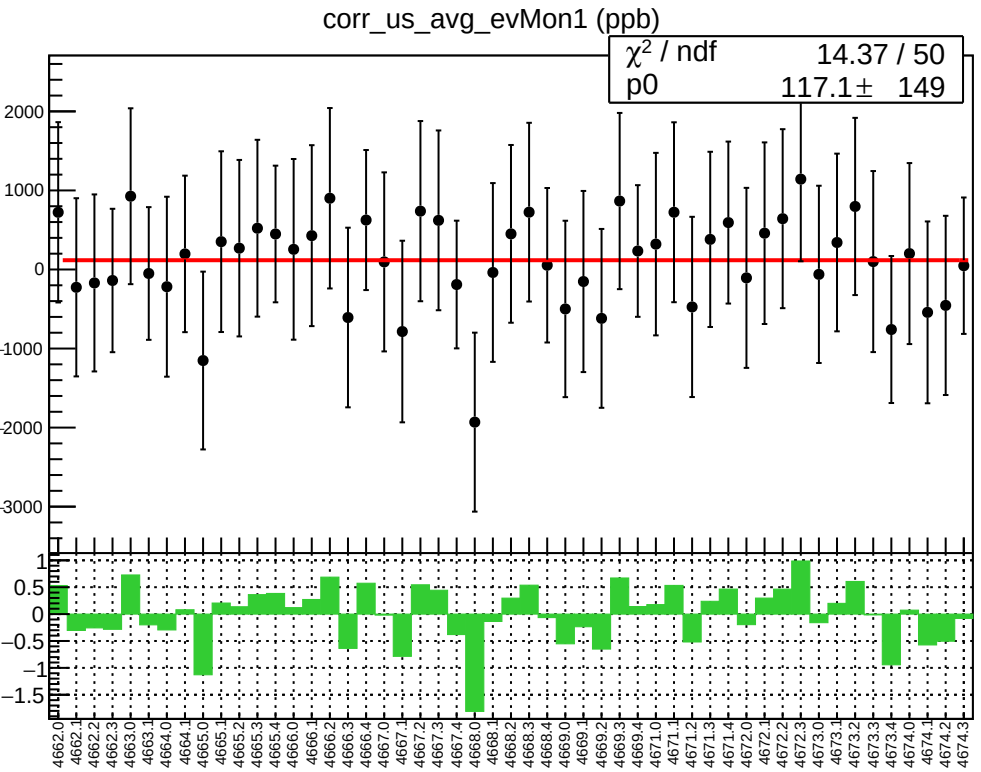

diff_evMon11 (nm)
χ² / ndf 42.81 / 50
p0 −0.7377 ± 0.5374
1D pull distribution
Mean 0.0008822 ± 0.1283
Std Dev 0.9161 ± 0.09071
Underflow 0
Overflow 0
χ² / ndf 7.896 / 5
Constant 8.998 ± 1.857
Mean 0.03842 ± 0.19927
Sigma 1.106 ± 0.213

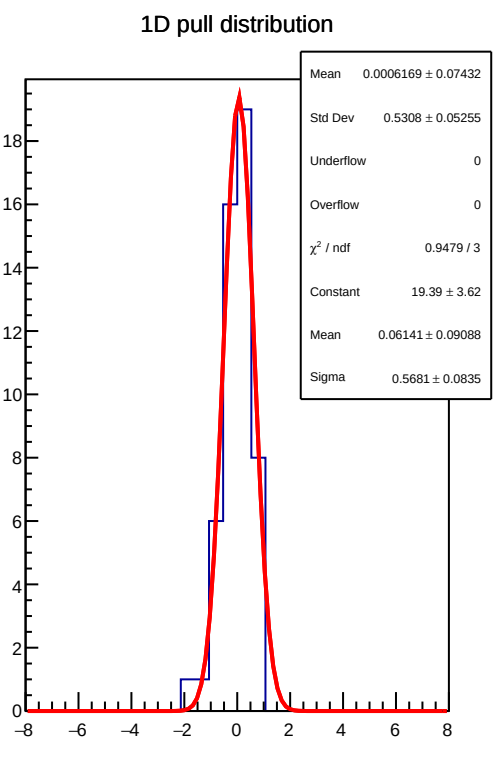

diff_evMon11 RMS (um)
RMS (um)
0.36
0.358
0.356
0.354
0.352
0.35
0.348
0.346
0.344
0.342
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

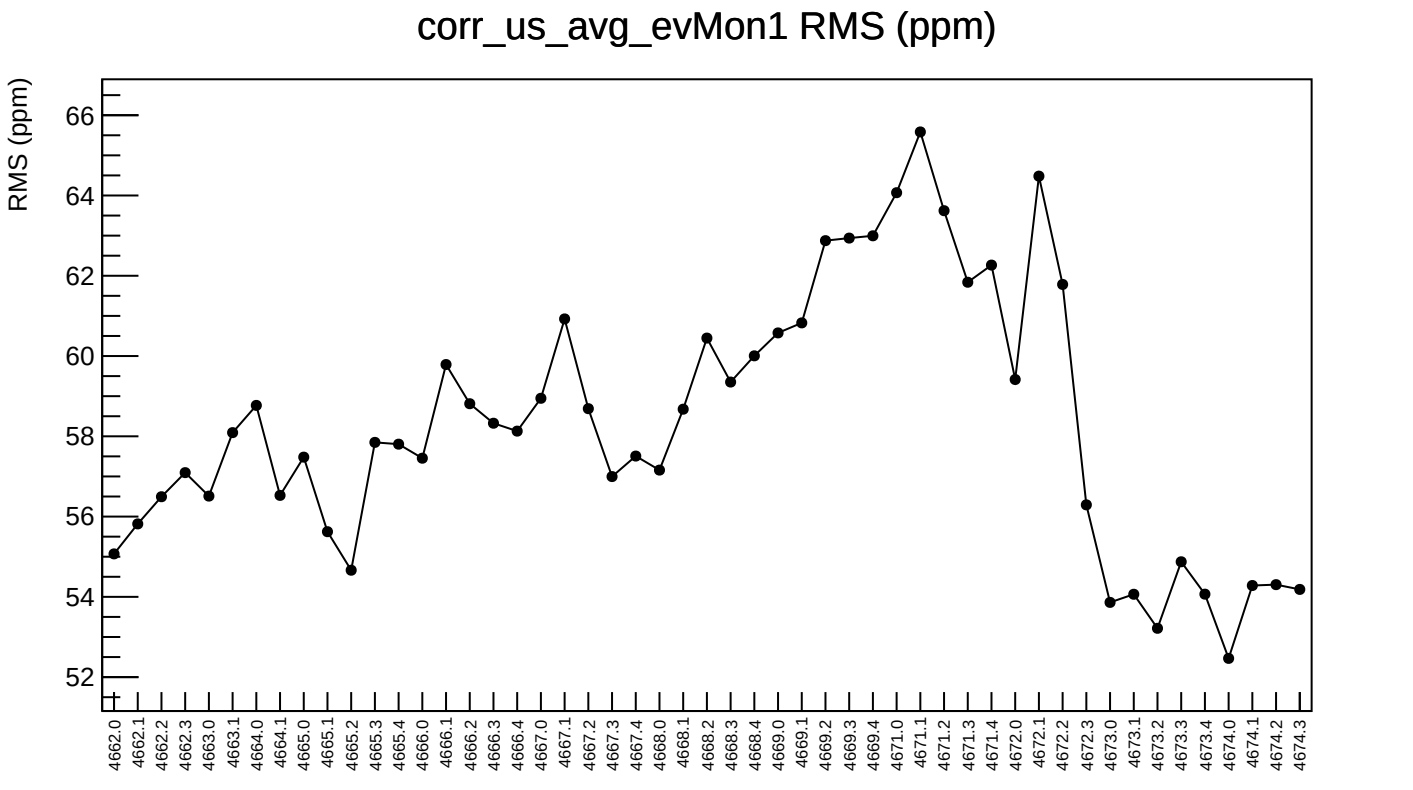

corr_us_avg_evMon0 (ppb)
χ² / ndf 37.39 / 50
p0 223.7 ± 93.61

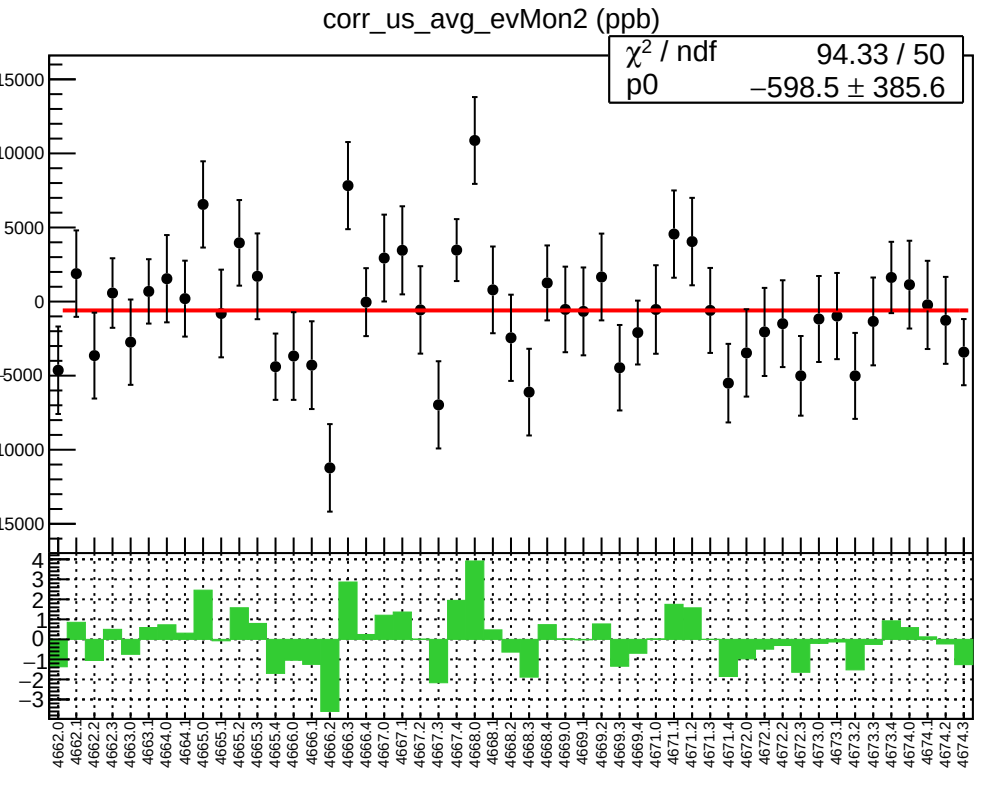

1D pull distribution
Mean −0.0157 ± 0.1199
Std Dev 0.8561 ± 0.08477
Underflow 0
Overflow 0
χ² / ndf 2.51 / 5
Constant 11.23 ± 2.40
Mean 0.1112 ± 0.1856
Sigma 0.9821 ± 0.2142

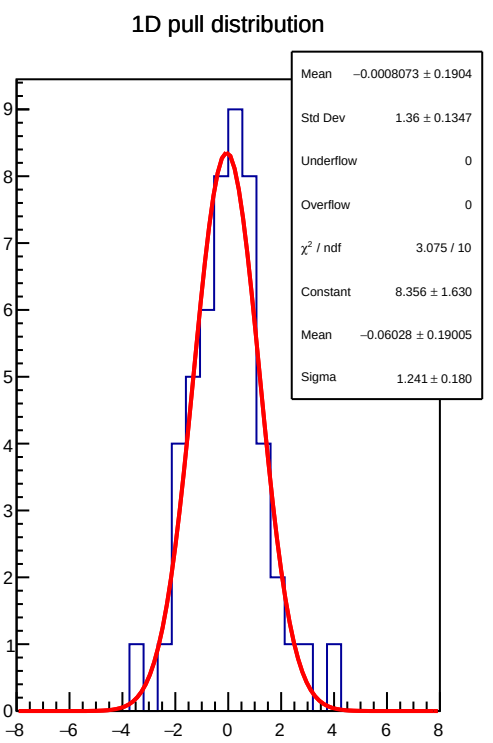

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
90
85
80
75
70
65
60
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

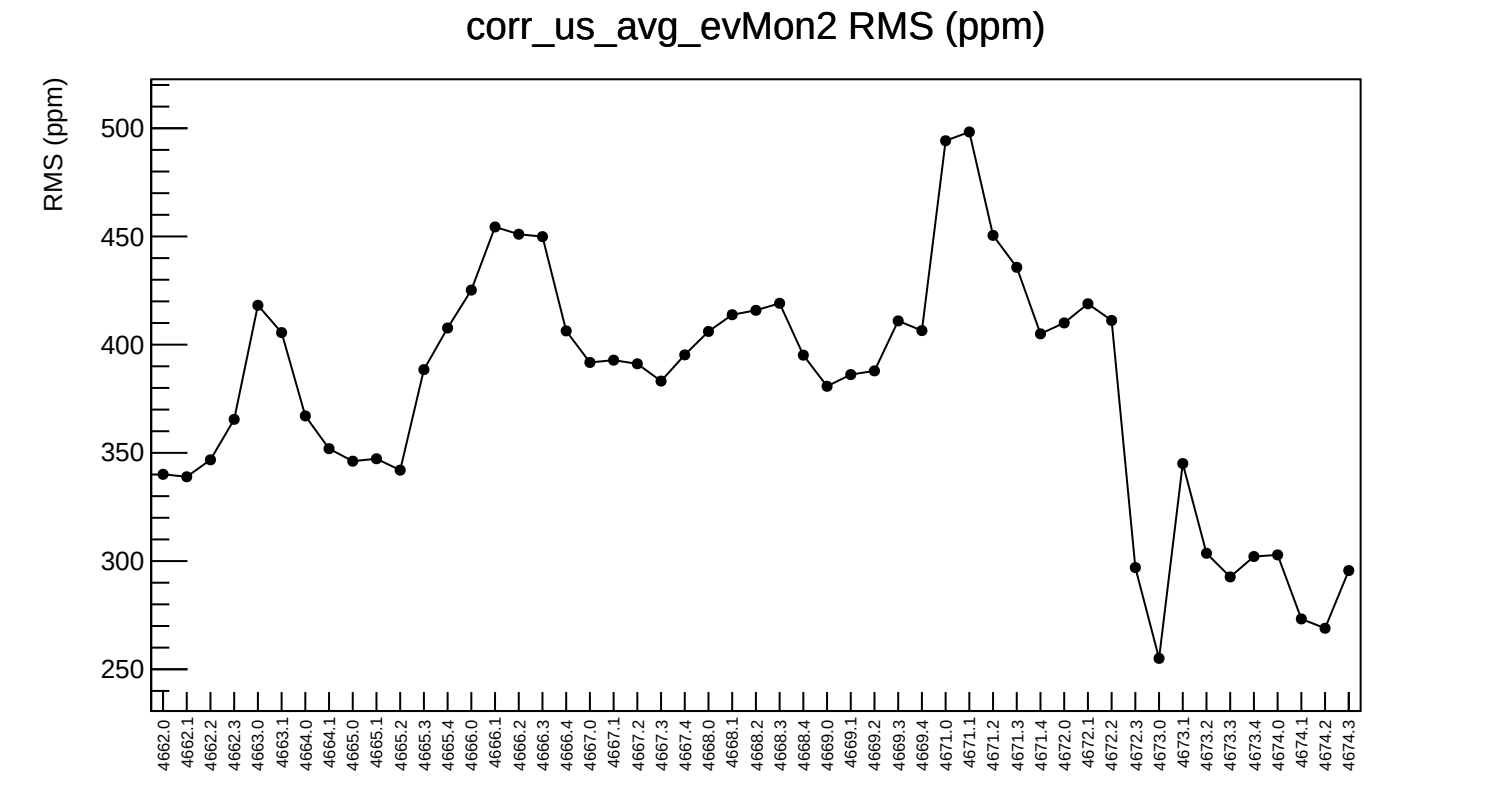

corr_us_avg_evMon1 (ppb)
χ² / ndf 14.37 / 50
p0 117.1± 149
2000
1000
0
-1000
-2000
-3000
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

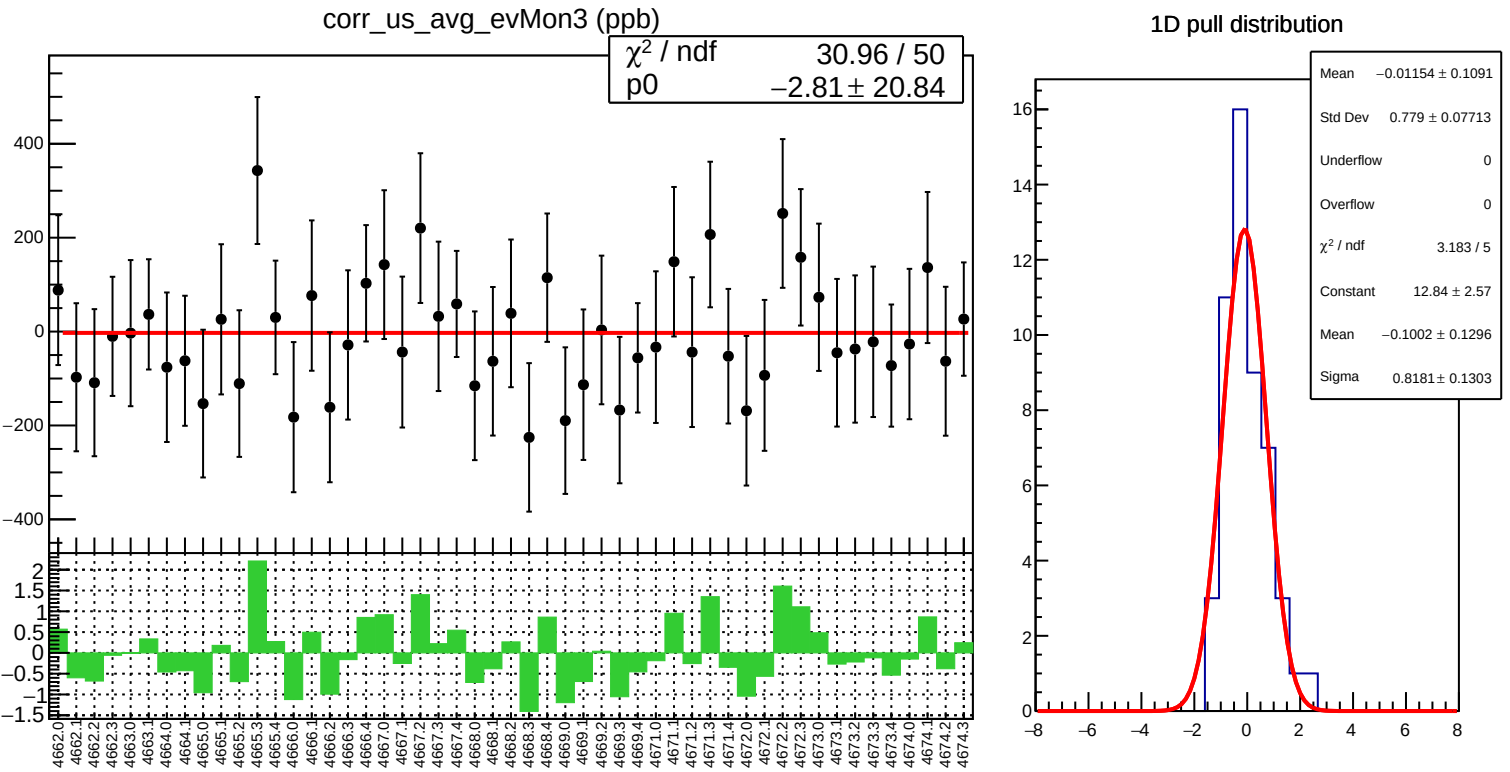

1D pull distribution
Mean 0.0006169 ± 0.07432
Std Dev 0.5308 ± 0.05255
Underflow 0
Overflow 0
χ² / ndf 0.9479 / 3
Constant 19.39 ± 3.62
Mean 0.06141 ± 0.09088
Sigma 0.5681 ± 0.0835
18
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

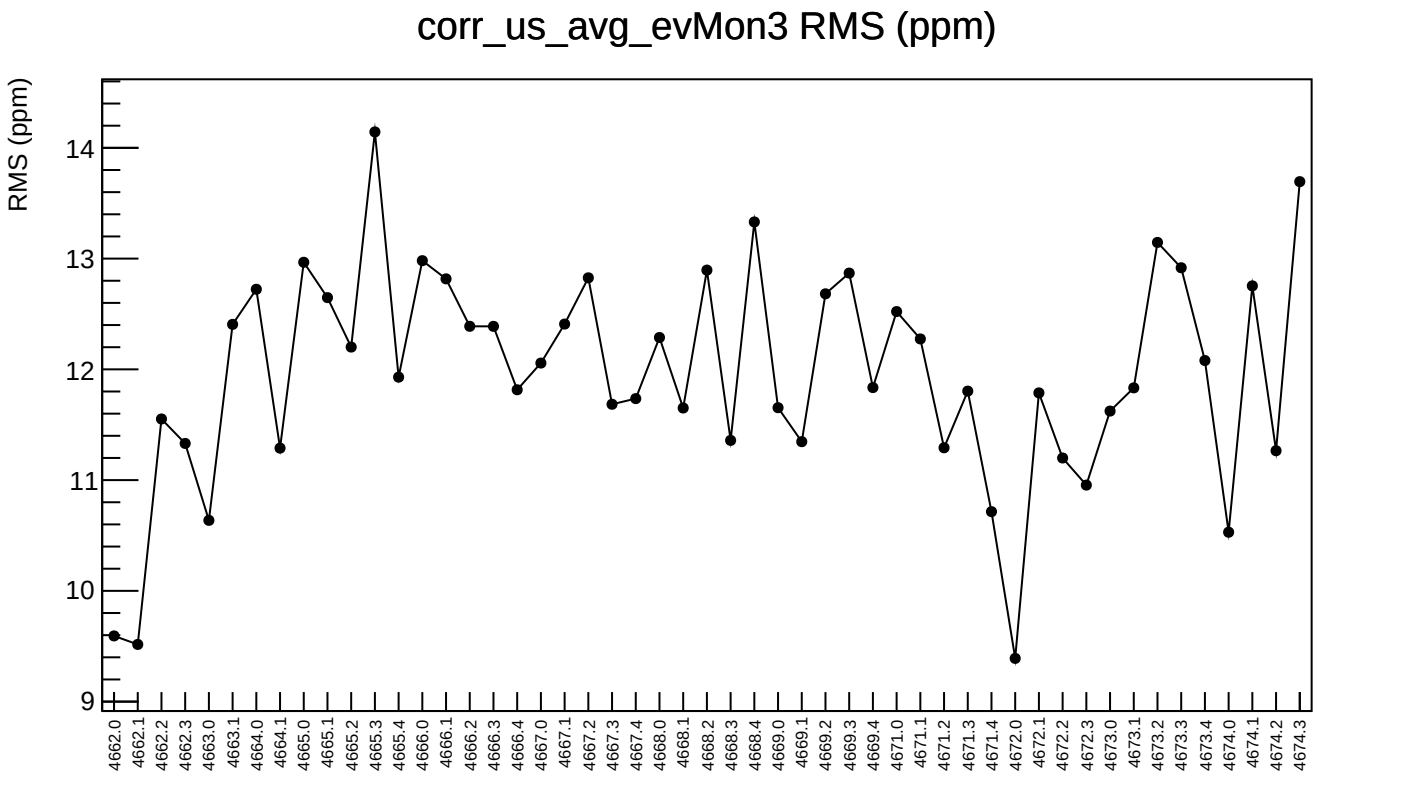

corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
66
64
62
60
58
56
54
52
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

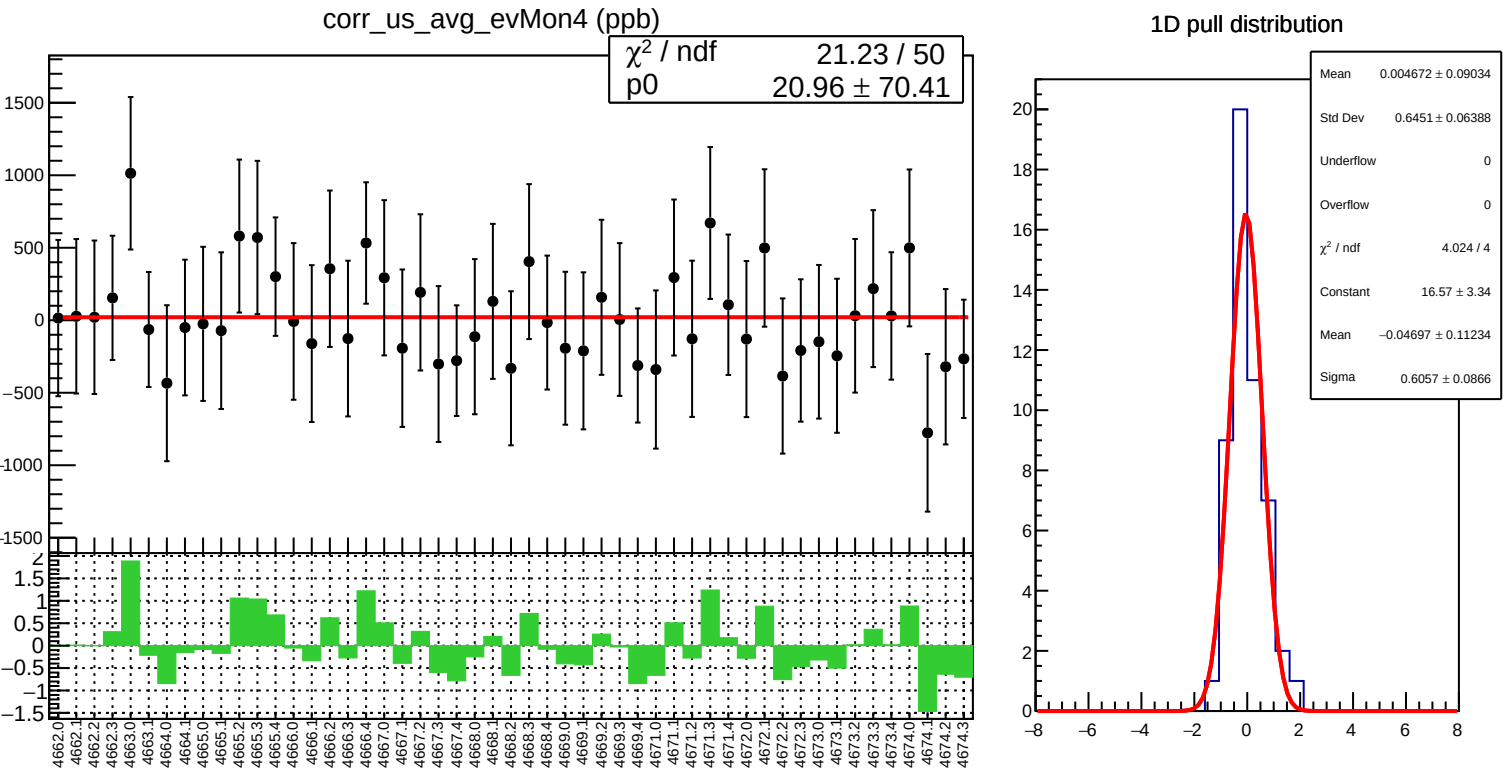

corr_us_avg_evMon2 (ppb)
χ² / ndf 94.33 / 50
p0 −598.5 ± 385.6


1D pull distribution
Mean −0.0008073 ± 0.1904
Std Dev 1.36 ± 0.1347
Underflow 0
Overflow 0
χ² / ndf 3.075 / 10
Constant 8.356 ± 1.630
Mean −0.06028 ± 0.19005
Sigma 1.241 ± 0.180

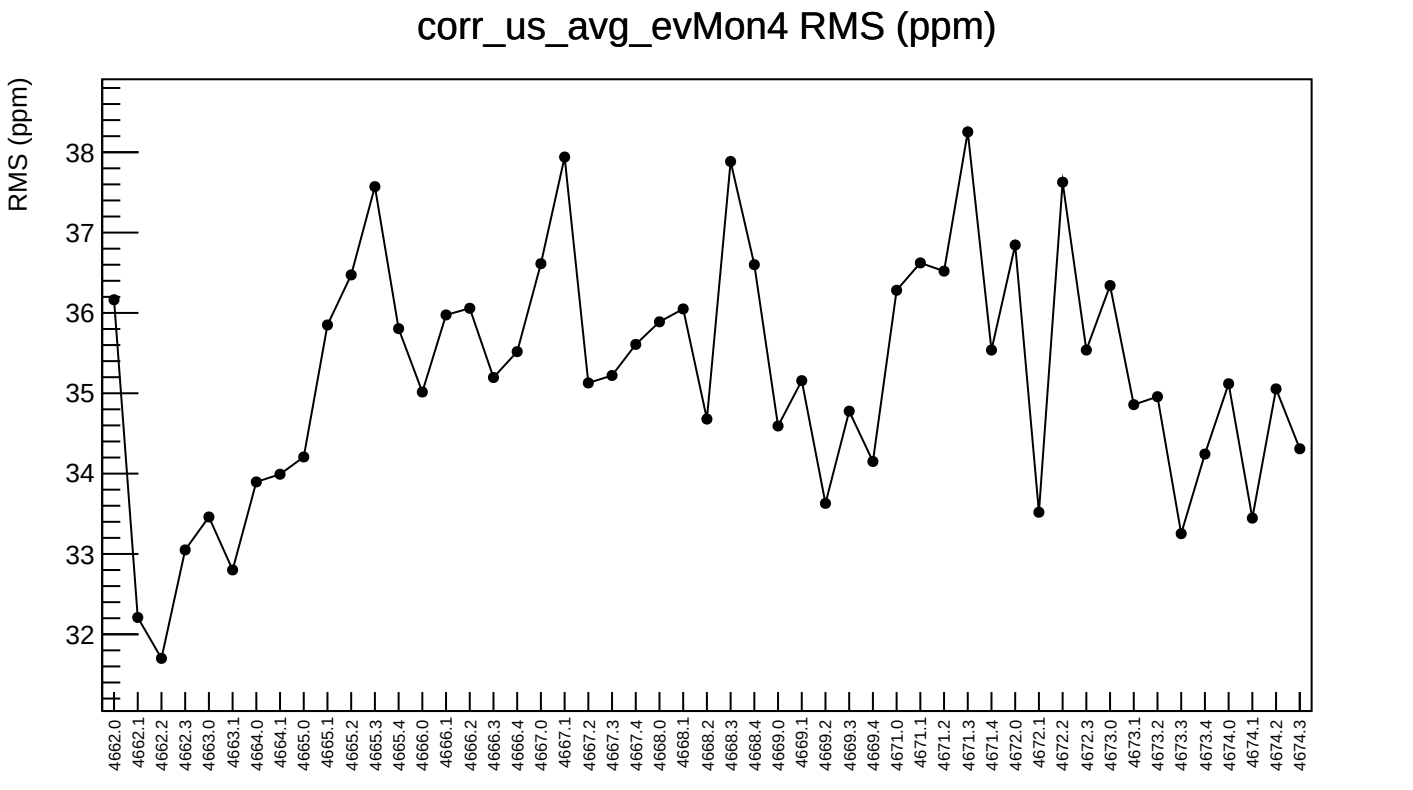

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
500
450
400
350
300
250
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

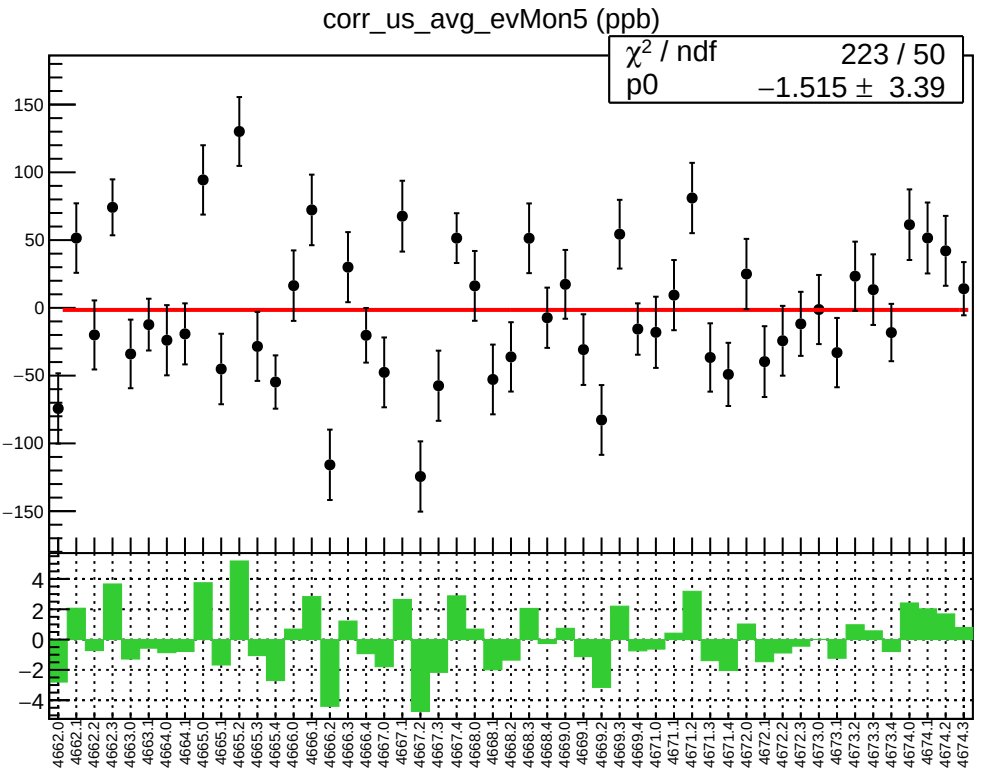

corr_us_avg_evMon3 (ppb)
χ² / ndf 30.96 / 50
p0 −2.81 ± 20.84
400
200
0
−200
−400
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3
1D pull distribution
Mean −0.01154 ± 0.1091
Std Dev 0.779 ± 0.07713
Underflow 0
Overflow 0
χ² / ndf 3.183 / 5
Constant 12.84 ± 2.57
Mean −0.1002 ± 0.1296
Sigma 0.8181 ± 0.1303
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

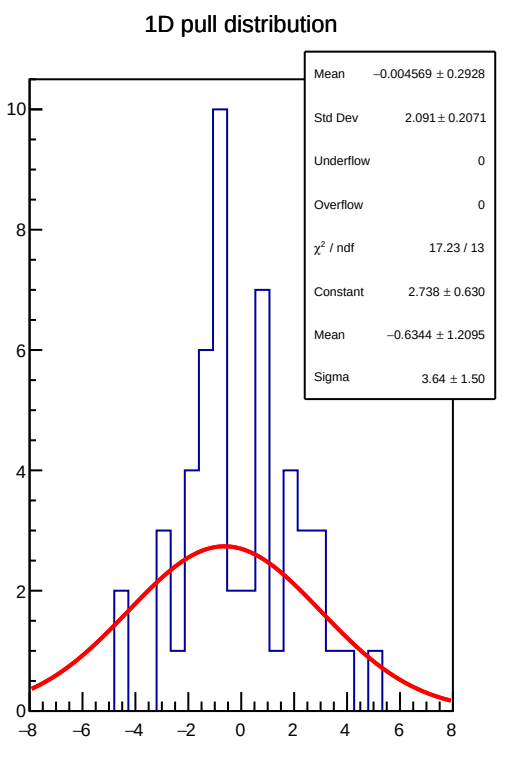

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
14
13
12
11
10
9
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

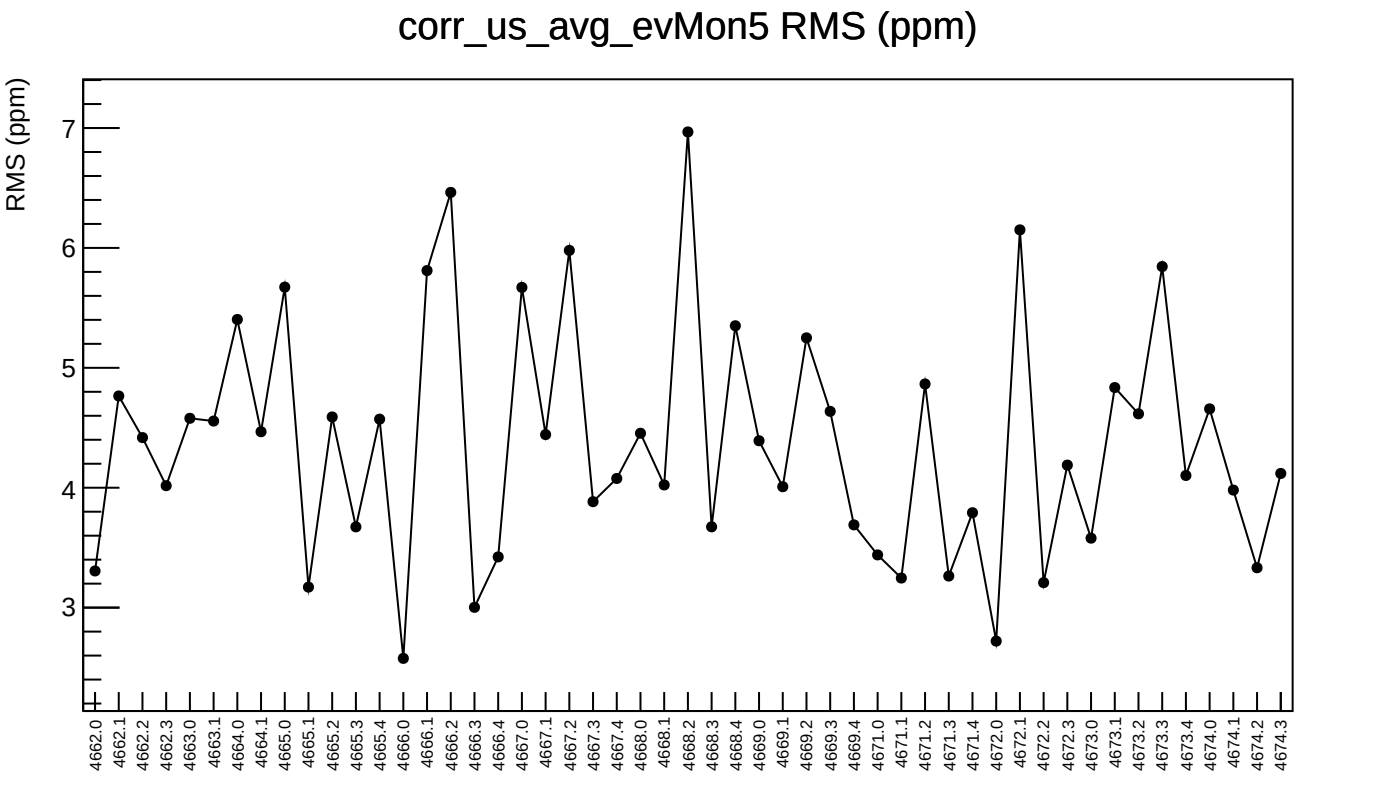

corr_us_avg_evMon4 (ppb)
χ² / ndf 21.23 / 50
p0 20.96 ± 70.41
1500
1000
500
0
−500
−1000
−1500
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

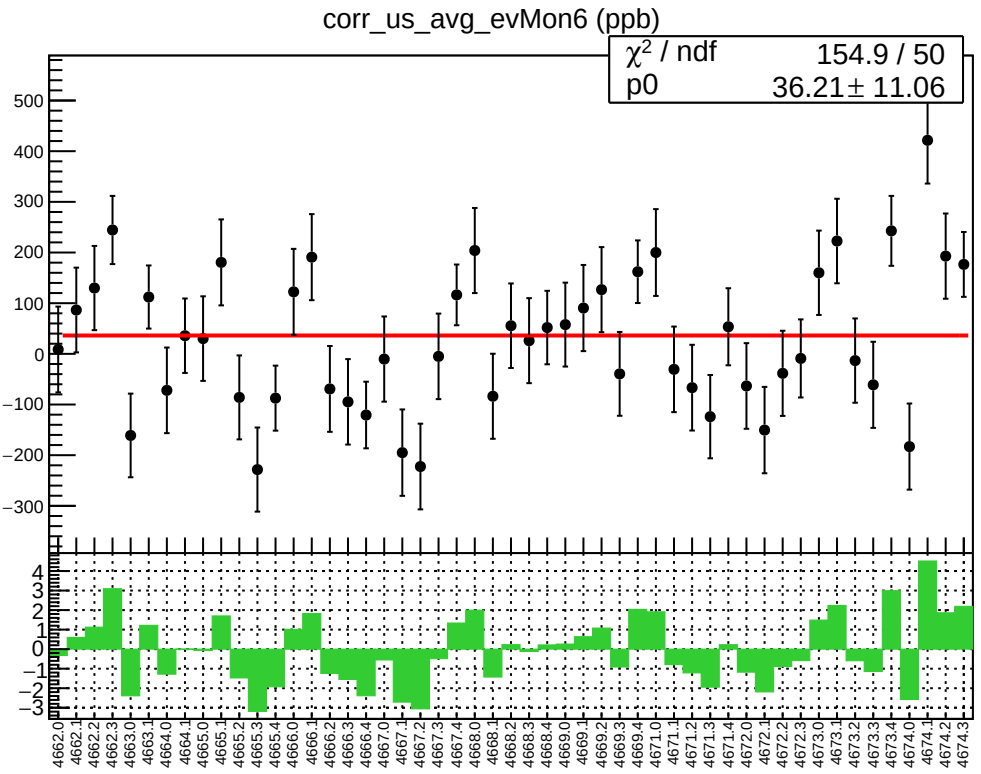

1D pull distribution
Mean 0.004672 ± 0.09034
Std Dev 0.6451 ± 0.06388
Underflow 0
Overflow 0
χ² / ndf 4.024 / 4
Constant 16.57 ± 3.34
Mean −0.04697 ± 0.11234
Sigma 0.6057 ± 0.0866
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

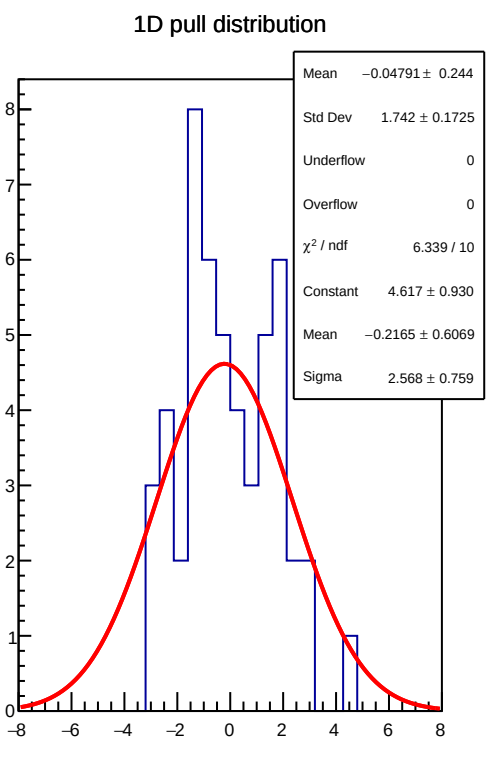

corr_us_avg_evMon4 RMS (ppm)
RMS (ppm)
38
37
36
35
34
33
32
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

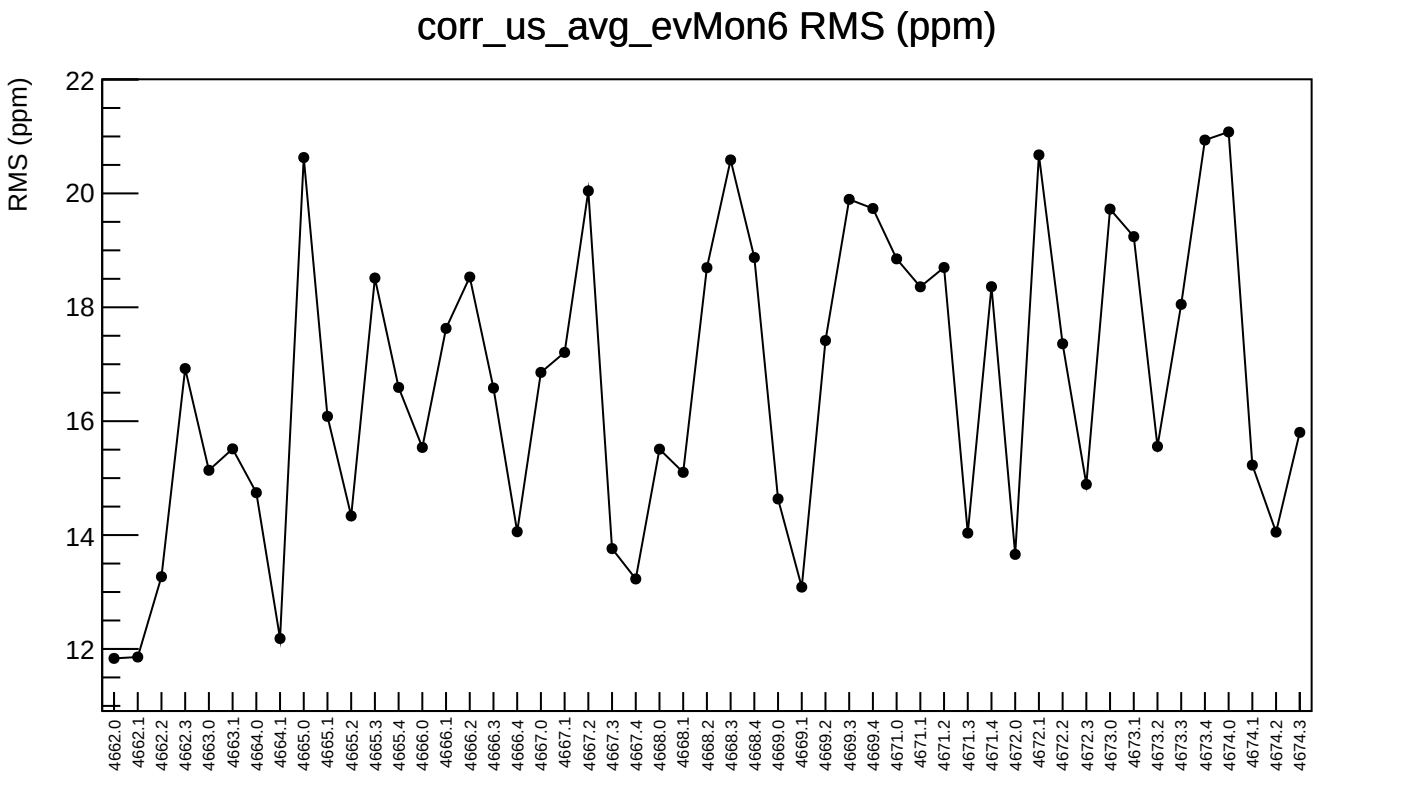

corr_us_avg_evMon5 (ppb)
χ² / ndf 223 / 50
p0 −1.515 ± 3.39
150
100
50
0
−50
−100
−150
4
2
0
−2
−4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

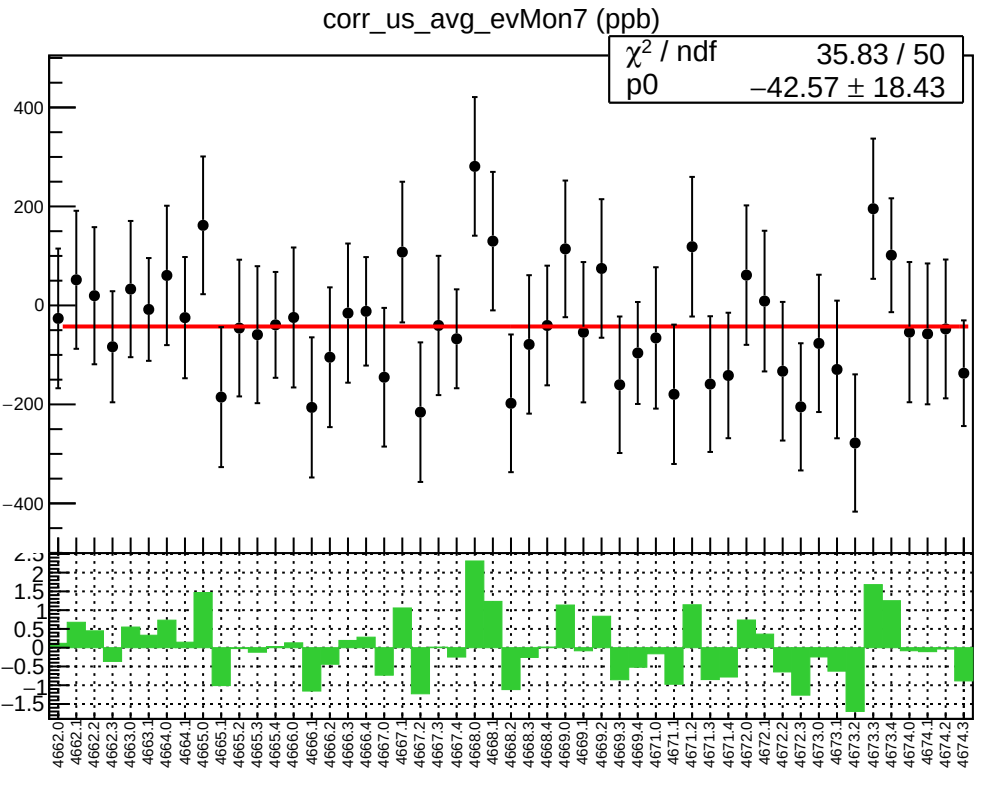

1D pull distribution
Mean −0.004569 ± 0.2928
Std Dev 2.091 ± 0.2071
Underflow 0
Overflow 0
χ² / ndf 17.23 / 13
Constant 2.738 ± 0.630
Mean −0.6344 ± 1.2095
Sigma 3.64 ± 1.50
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

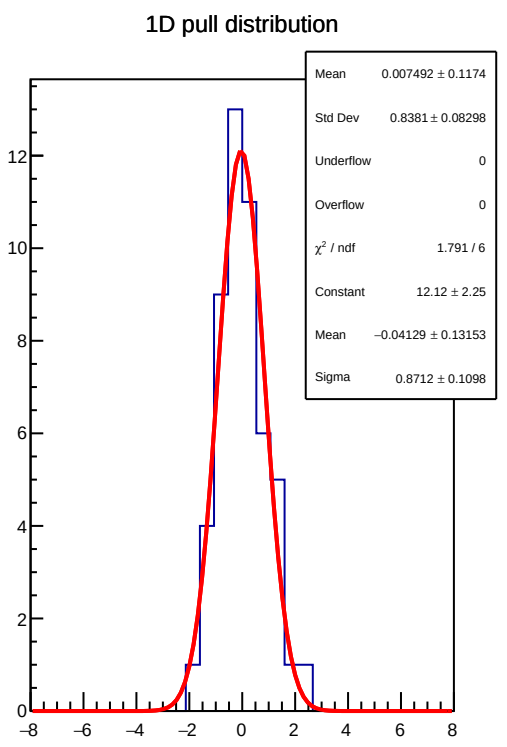

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
7
6
5
4
3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

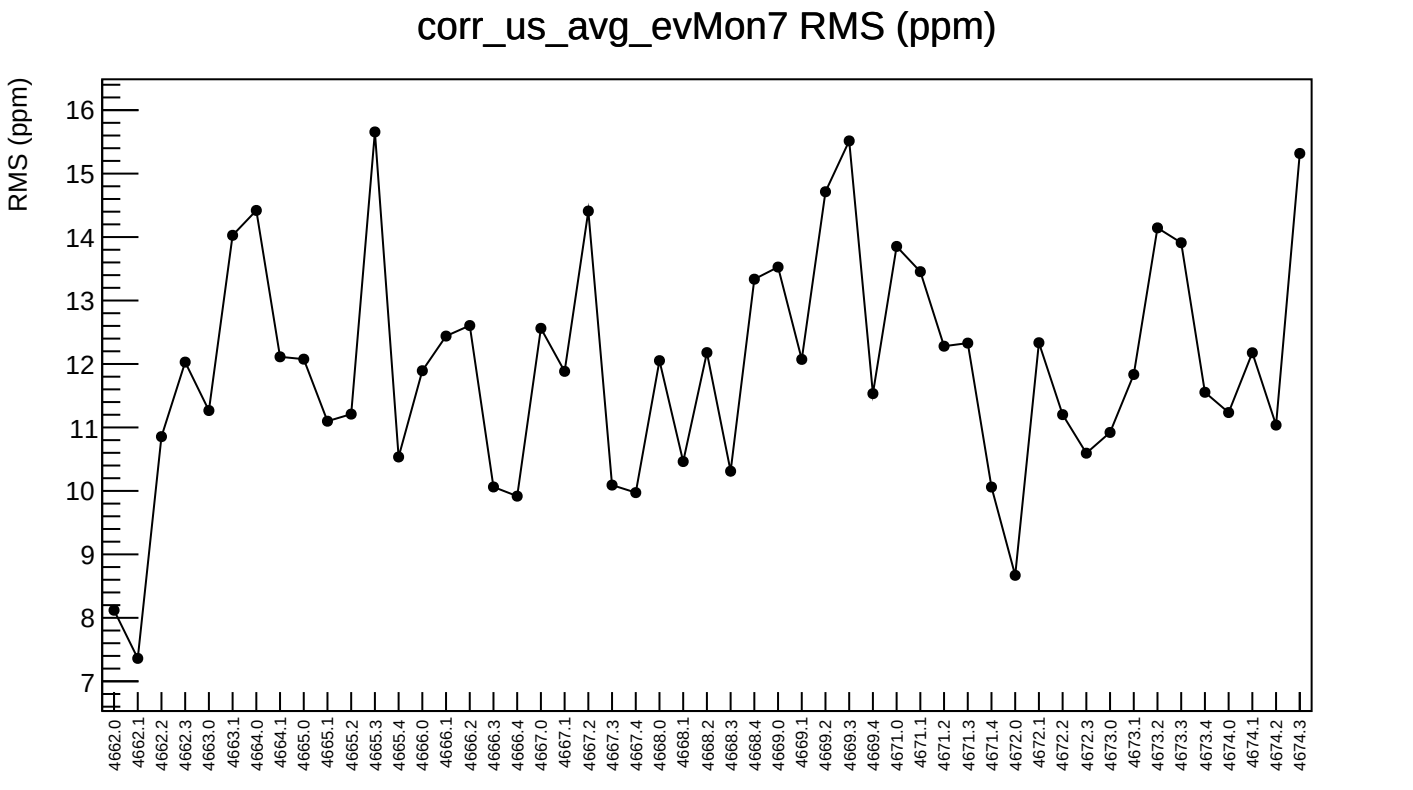

corr_us_avg_evMon6 (ppb)
χ² / ndf 154.9 / 50
p0 36.21 ± 11.06

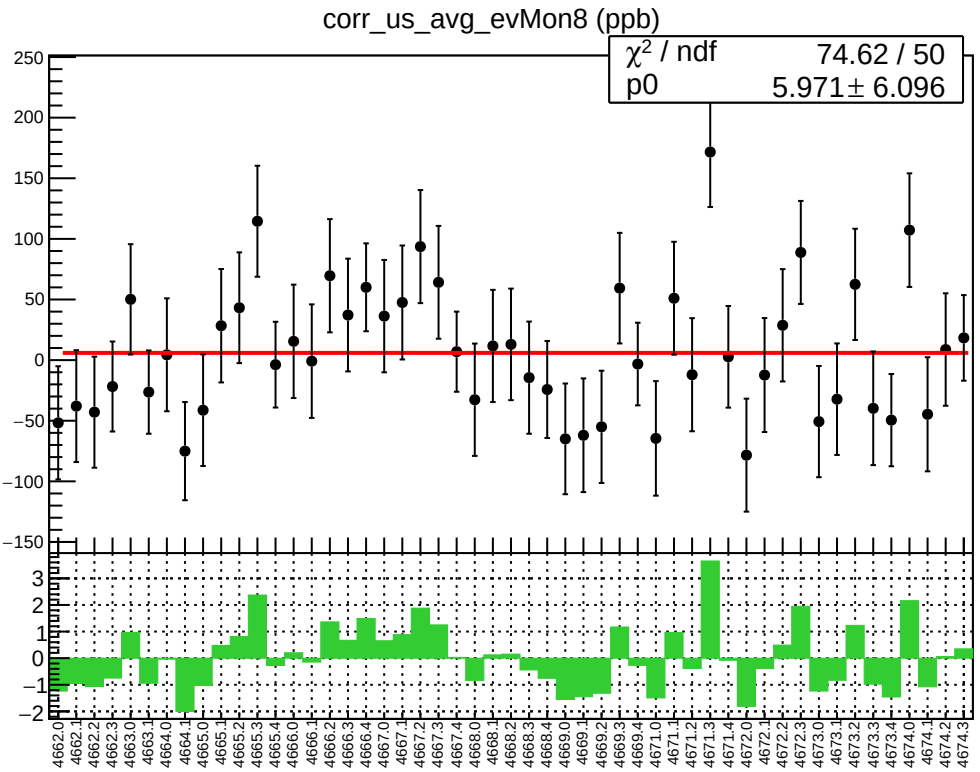

1D pull distribution
Mean −0.04791 ± 0.244
Std Dev 1.742 ± 0.1725
Underflow 0
Overflow 0
χ² / ndf 6.339 / 10
Constant 4.617 ± 0.930
Mean −0.2165 ± 0.6069
Sigma 2.568 ± 0.759

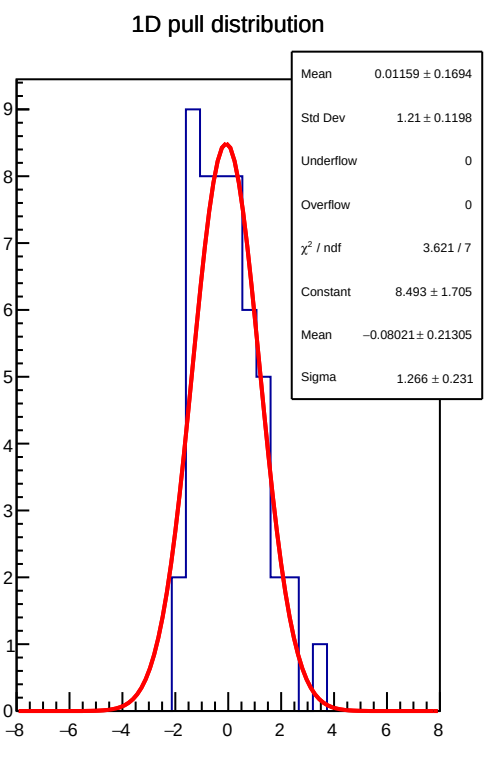

corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

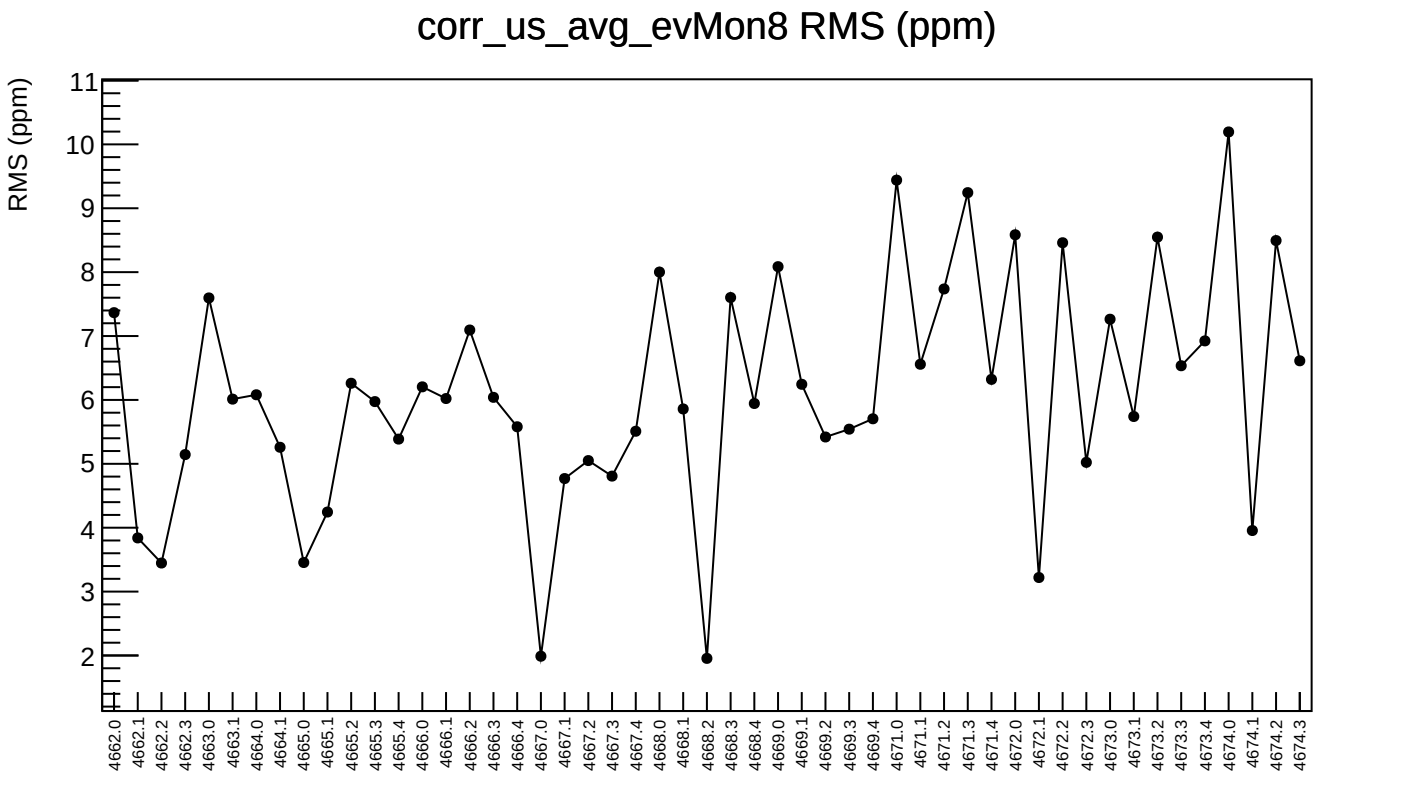

corr_us_avg_evMon7 (ppb)
χ² / ndf 35.83 / 50
p0 −42.57 ± 18.43
400
200
0
−200
−400
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

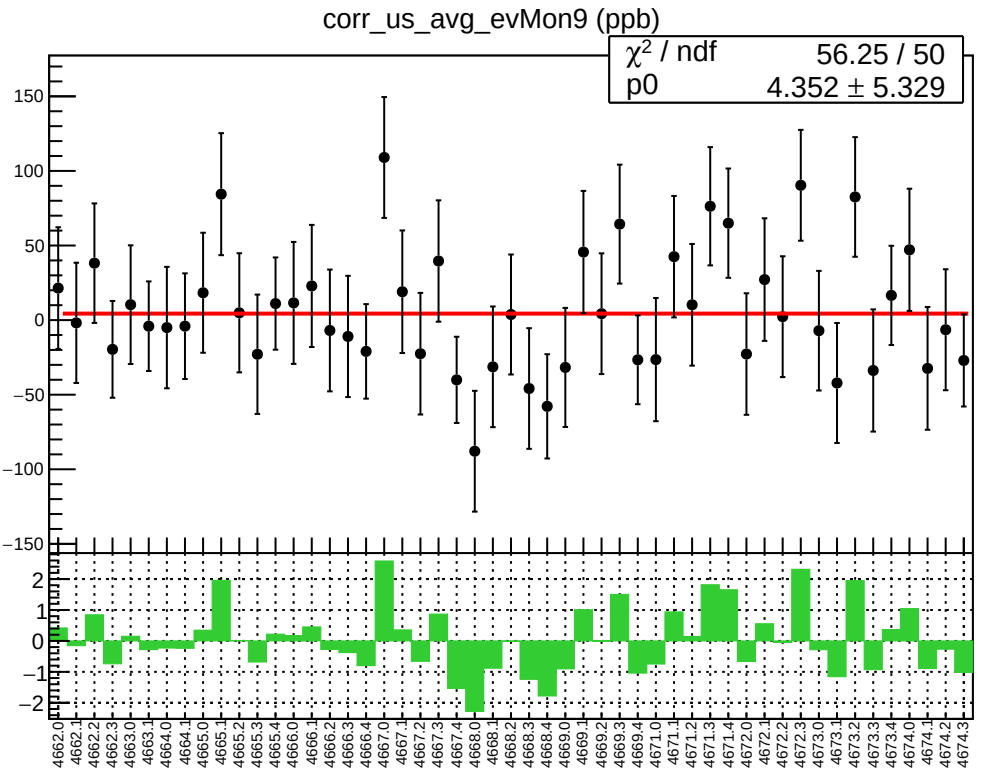

1D pull distribution
Mean 0.007492 ± 0.1174
Std Dev 0.8381 ± 0.08298
Underflow 0
Overflow 0
χ² / ndf 1.791 / 6
Constant 12.12 ± 2.25
Mean −0.04129 ± 0.13153
Sigma 0.8712 ± 0.1098
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

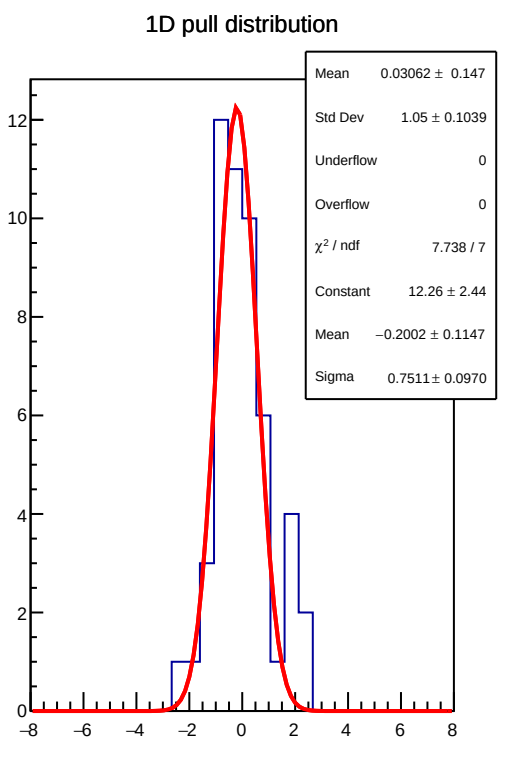

corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
16
15
14
13
12
11
10
9
8
7
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

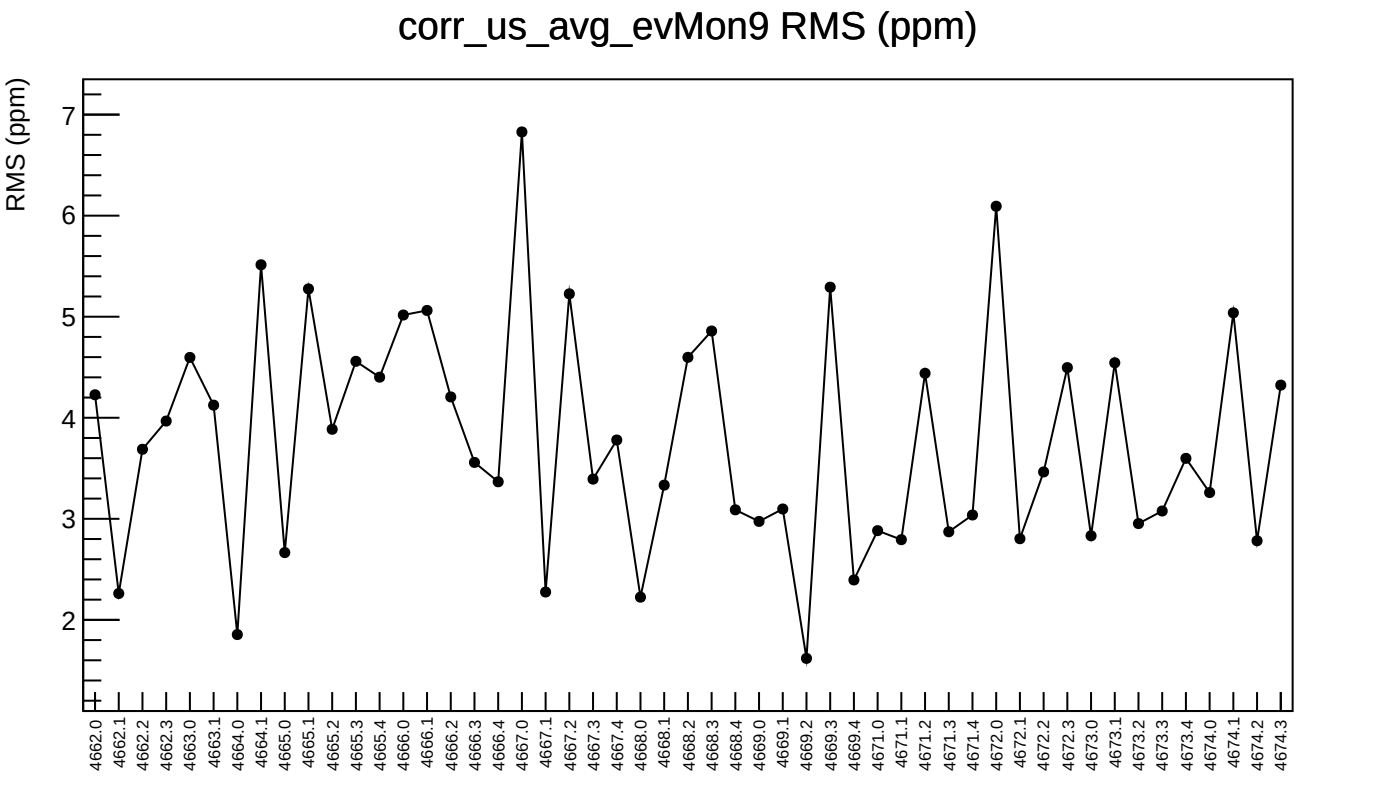

corr_us_avg_evMon8 (ppb)
χ² / ndf 74.62 / 50
p0 5.971 ± 6.096
250
200
150
100
50
0
−50
−100
−150
3
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

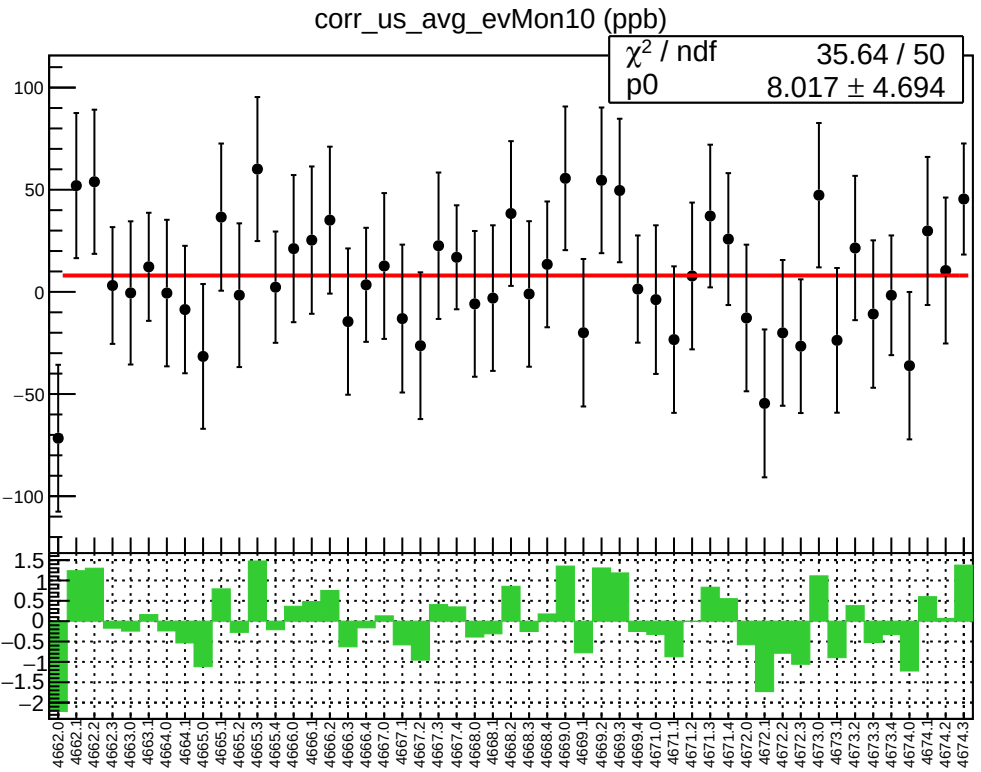

1D pull distribution
Mean 0.01159 ± 0.1694
Std Dev 1.21 ± 0.1198
Underflow 0
Overflow 0
χ² / ndf 3.621 / 7
Constant 8.493 ± 1.705
Mean −0.08021 ± 0.21305
Sigma 1.266 ± 0.231
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

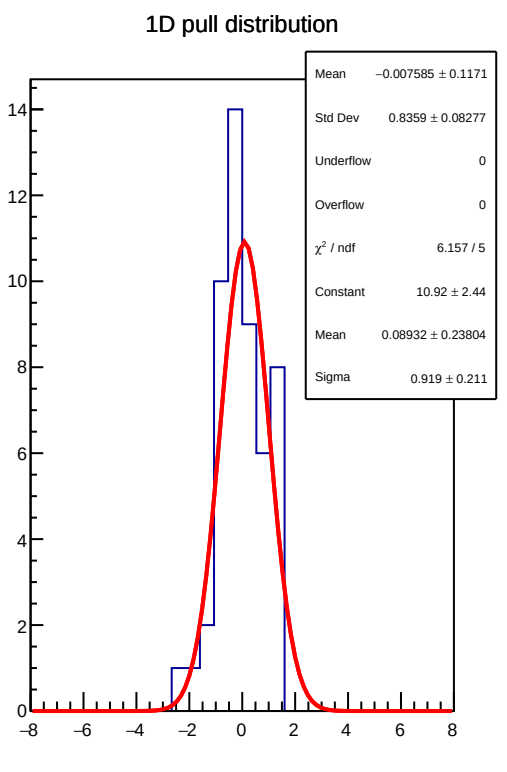

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

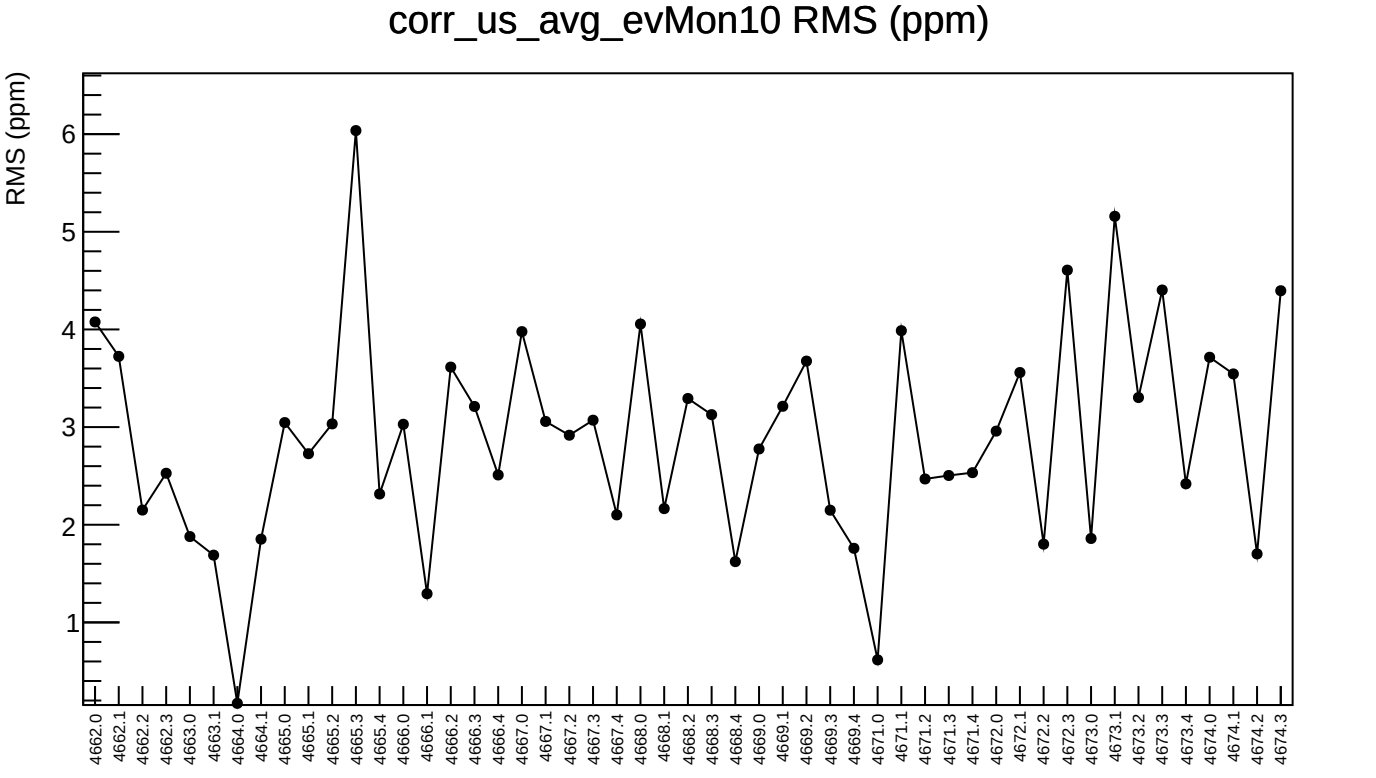

corr_us_avg_evMon9 (ppb)
χ² / ndf 56.25 / 50
p0 4.352 ± 5.329
150
100
50
0
−50
−100
−150
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

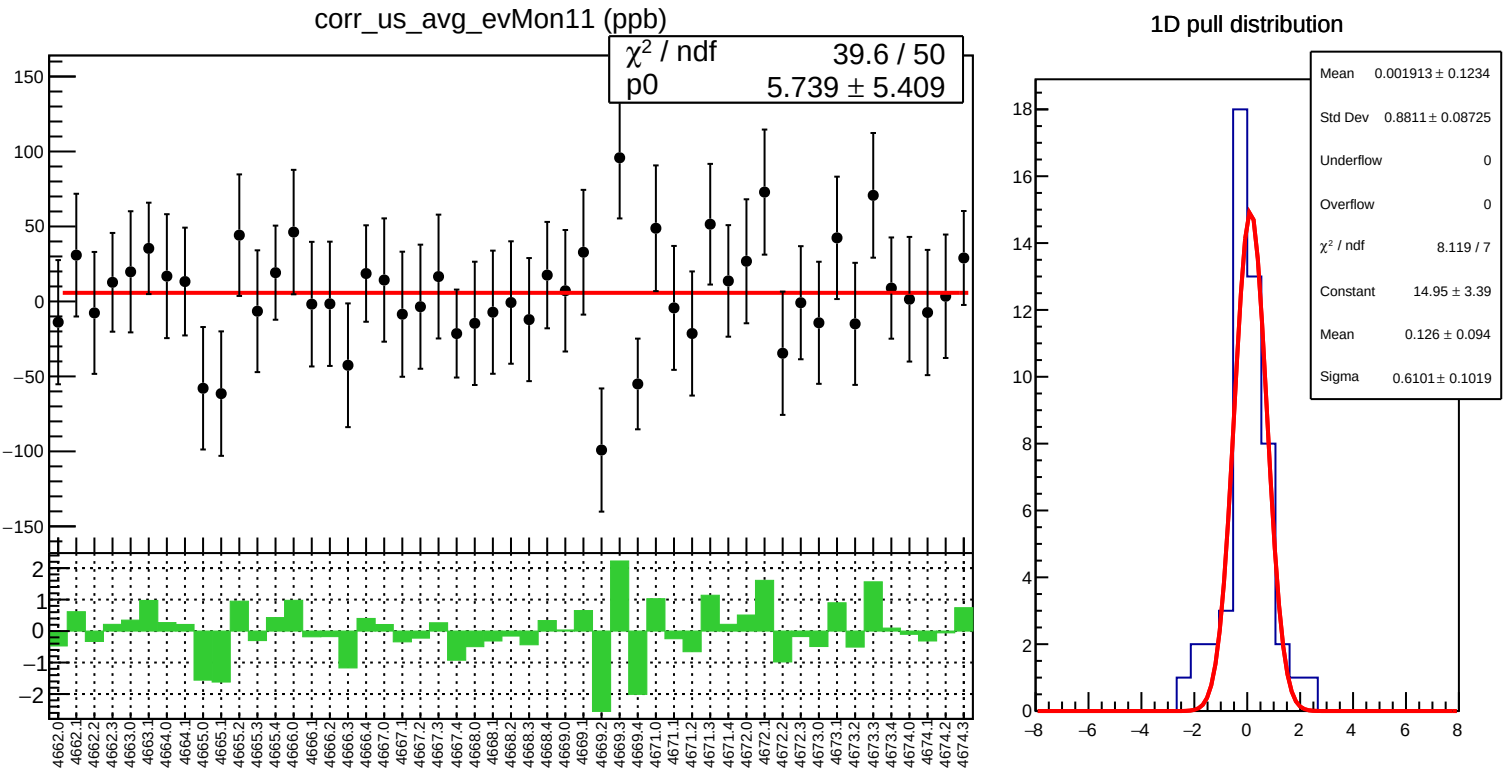

1D pull distribution
Mean 0.03062 ± 0.147
Std Dev 1.05 ± 0.1039
Underflow 0
Overflow 0
χ² / ndf 7.738 / 7
Constant 12.26 ± 2.44
Mean −0.2002 ± 0.1147
Sigma 0.7511 ± 0.0970
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

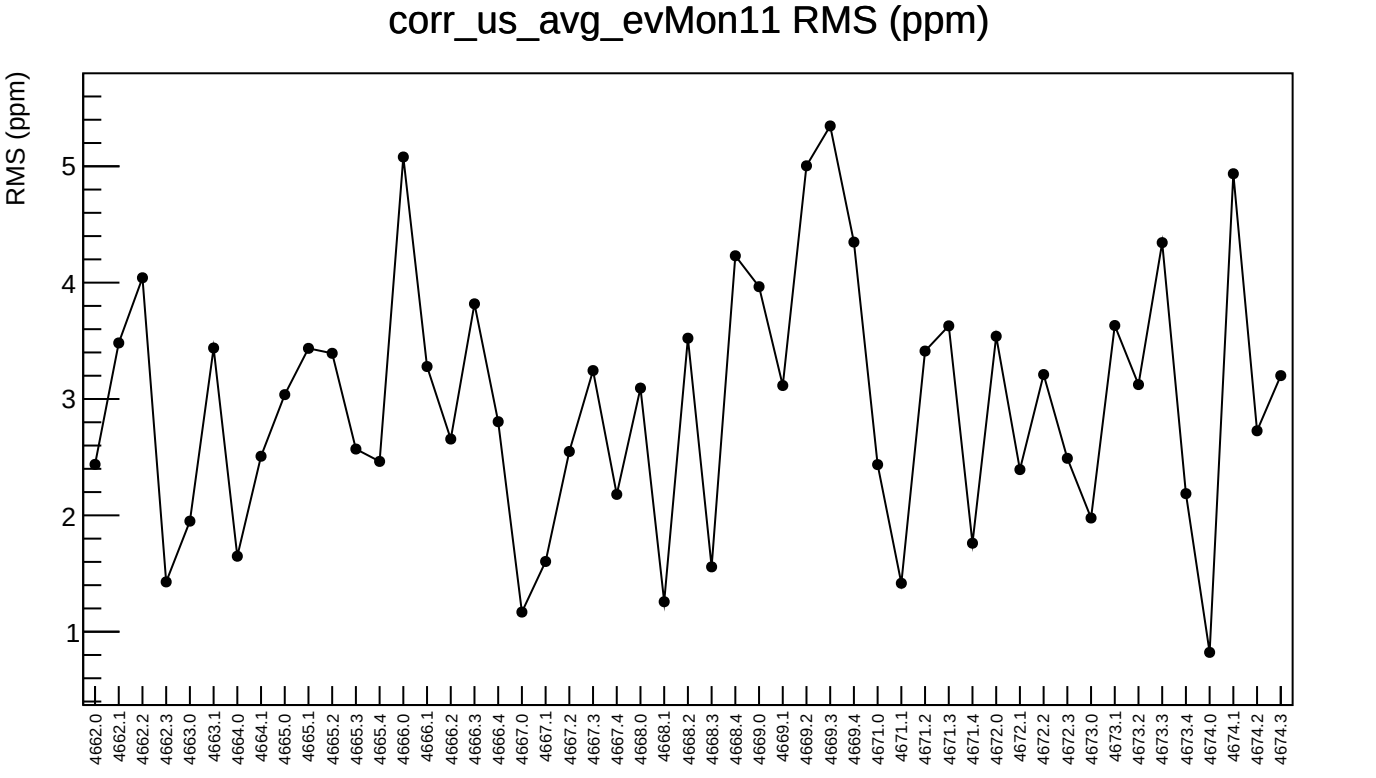

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

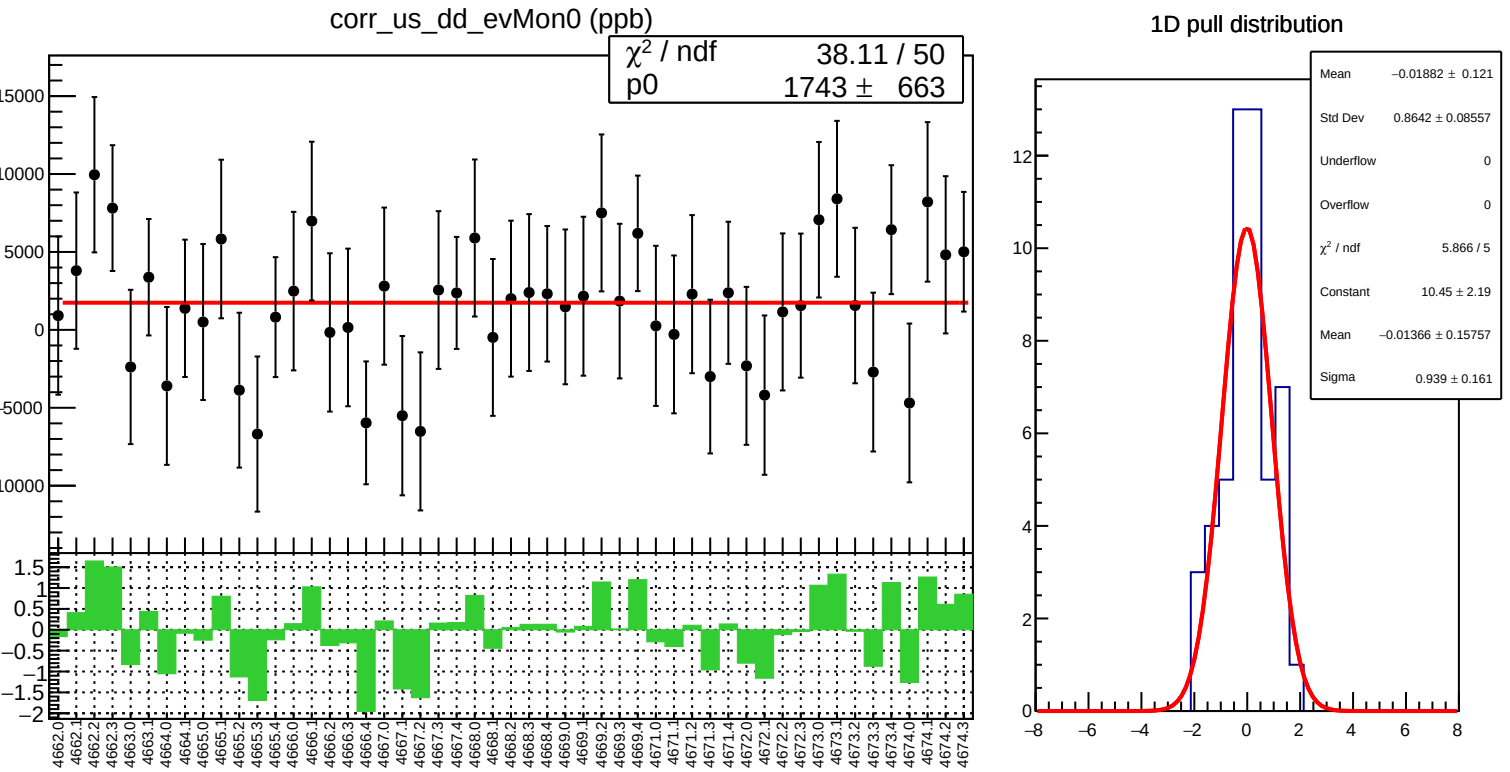

corr_us_avg_evMon10 (ppb)
χ² / ndf 35.64 / 50
p0 8.017 ± 4.694
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

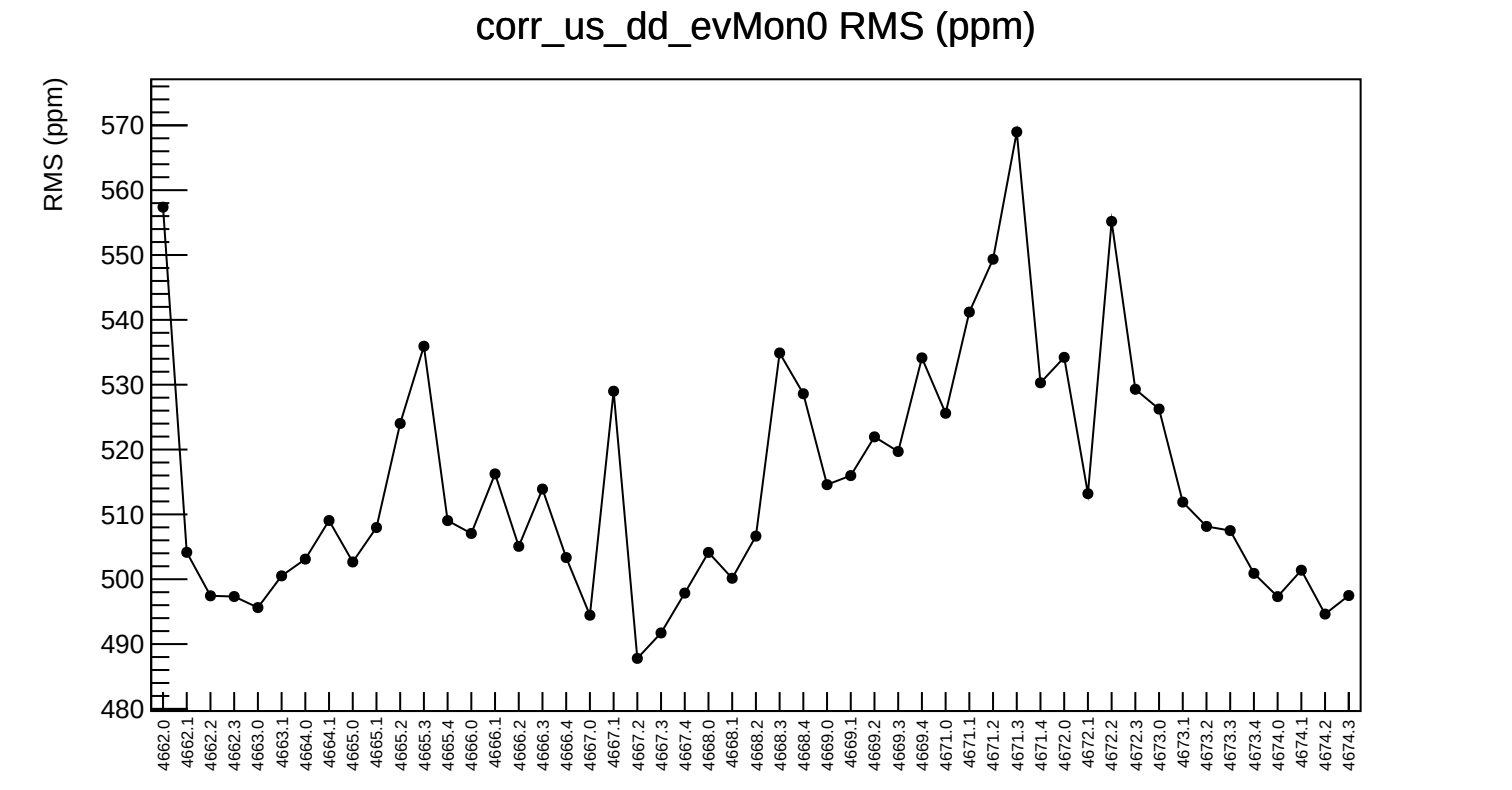

1D pull distribution
Mean −0.007585 ± 0.1171
Std Dev 0.8359 ± 0.08277
Underflow 0
Overflow 0
χ² / ndf 6.157 / 5
Constant 10.92 ± 2.44
Mean 0.08932 ± 0.23804
Sigma 0.919 ± 0.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

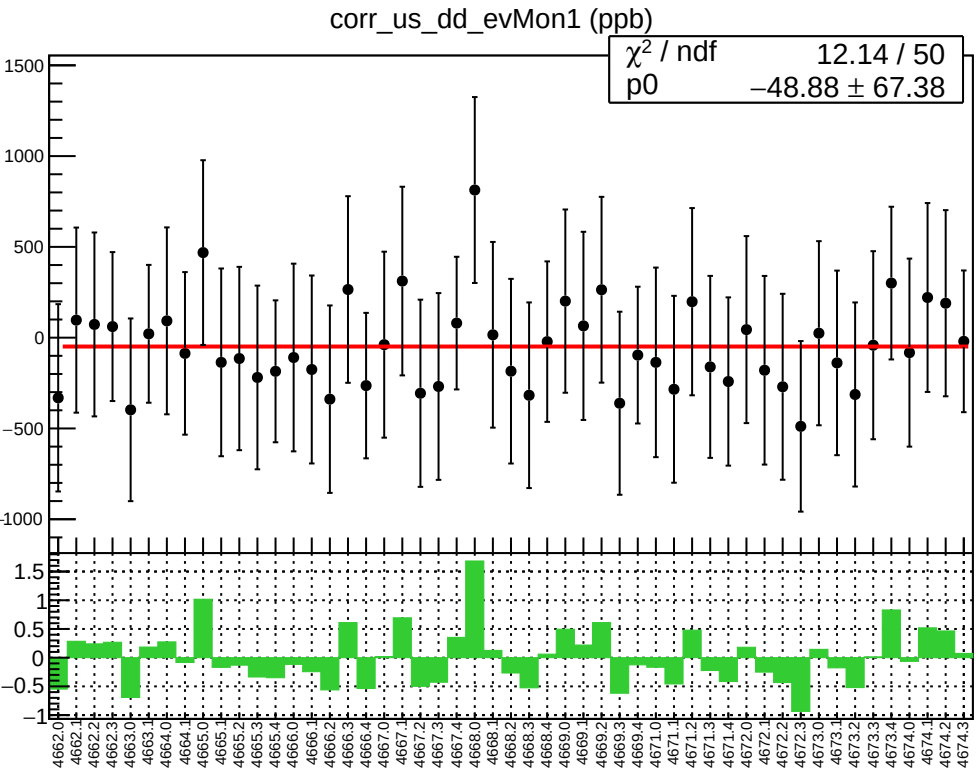

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

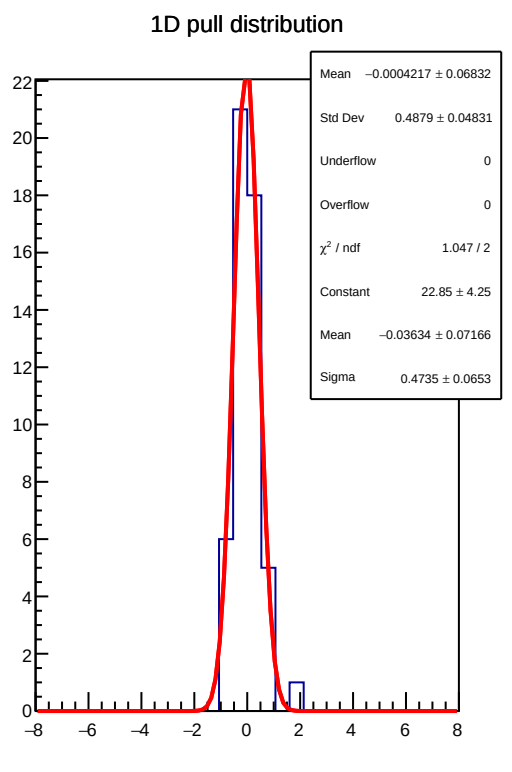

corr_us_avg_evMon11 (ppb)
χ² / ndf 39.6 / 50
p0 5.739 ± 5.409
1D pull distribution
Mean 0.001913 ± 0.1234
Std Dev 0.8811 ± 0.08725
Underflow 0
Overflow 0
χ² / ndf 8.119 / 7
Constant 14.95 ± 3.39
Mean 0.126 ± 0.094
Sigma 0.6101 ± 0.1019

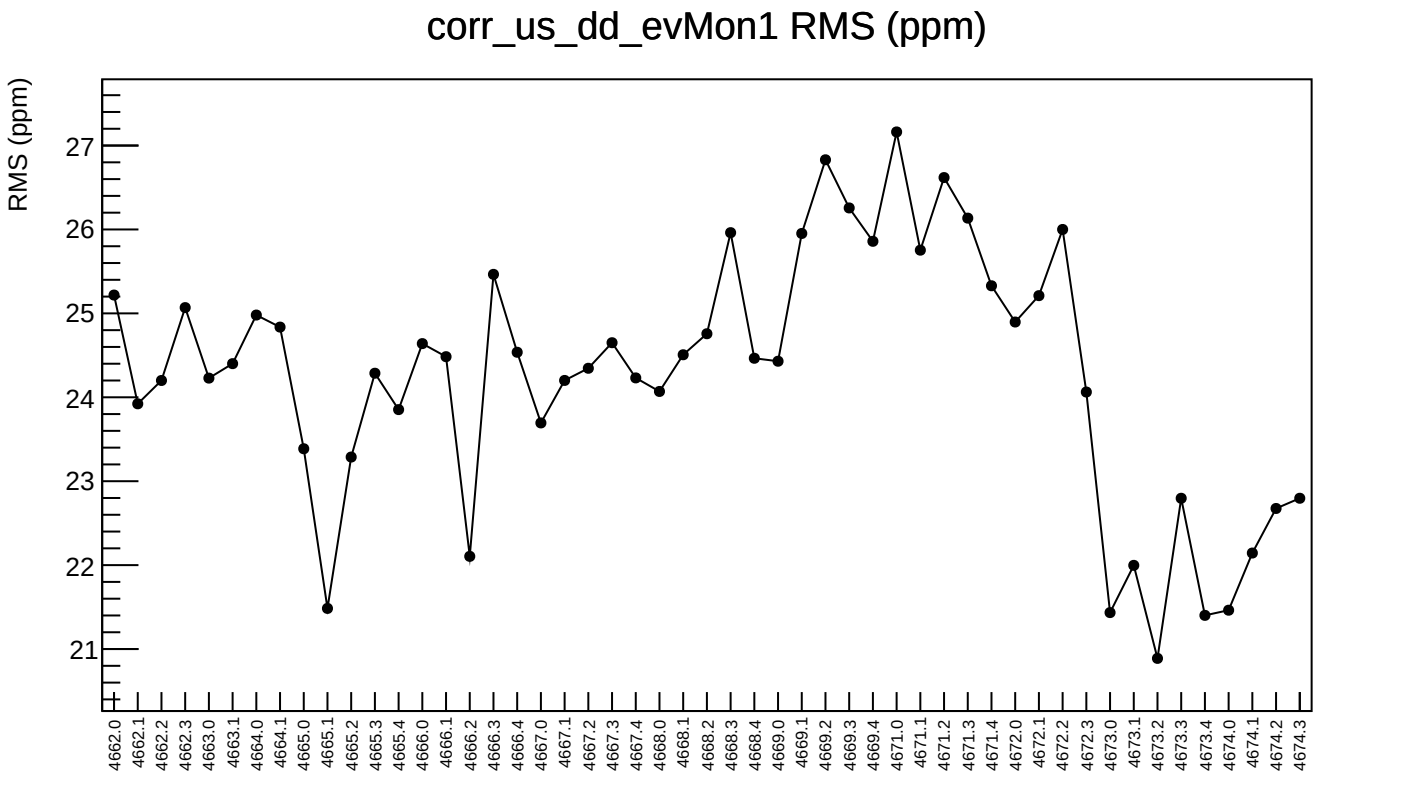

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

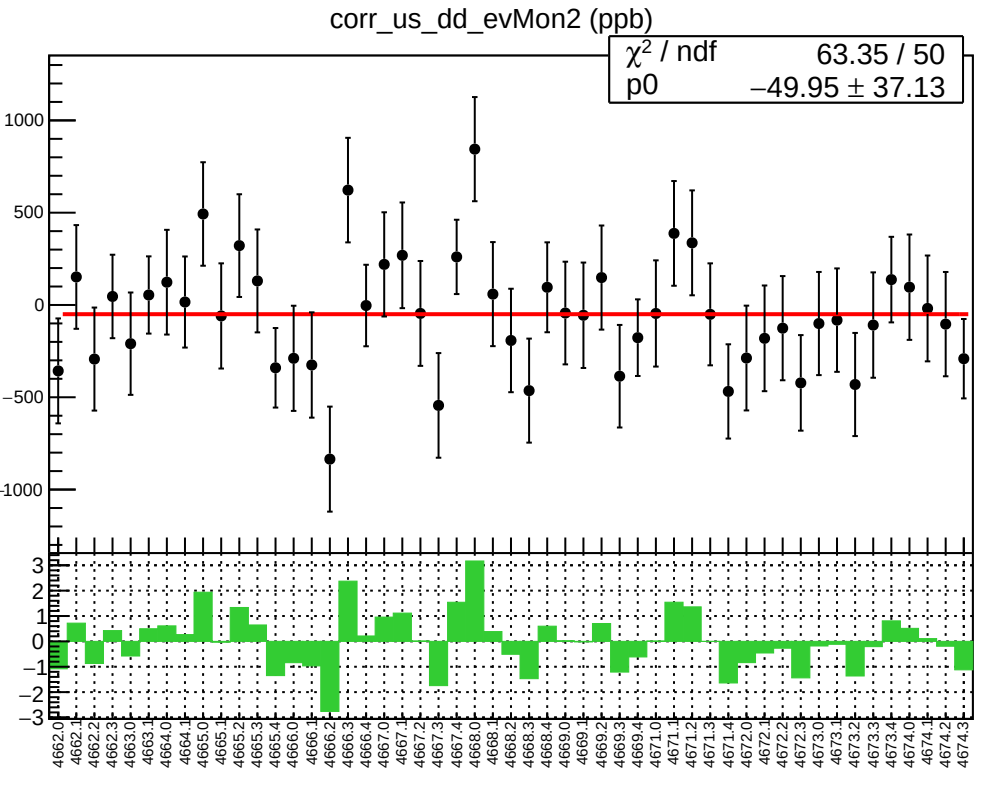

corr_us_dd_evMon0 (ppb)
χ² / ndf 38.11 / 50
p0 1743 ± 663
1D pull distribution
Mean −0.01882 ± 0.121
Std Dev 0.8642 ± 0.08557
Underflow 0
Overflow 0
χ² / ndf 5.866 / 5
Constant 10.45 ± 2.19
Mean −0.01366 ± 0.15757
Sigma 0.939 ± 0.161

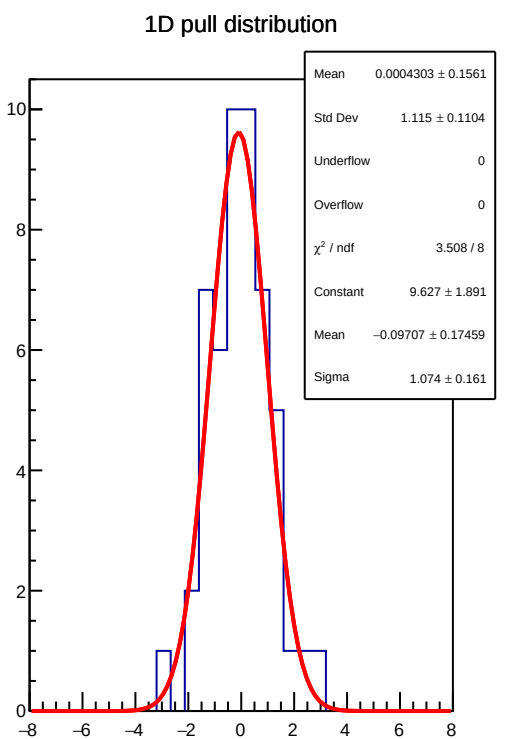

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
570
560
550
540
530
520
510
500
490
480
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

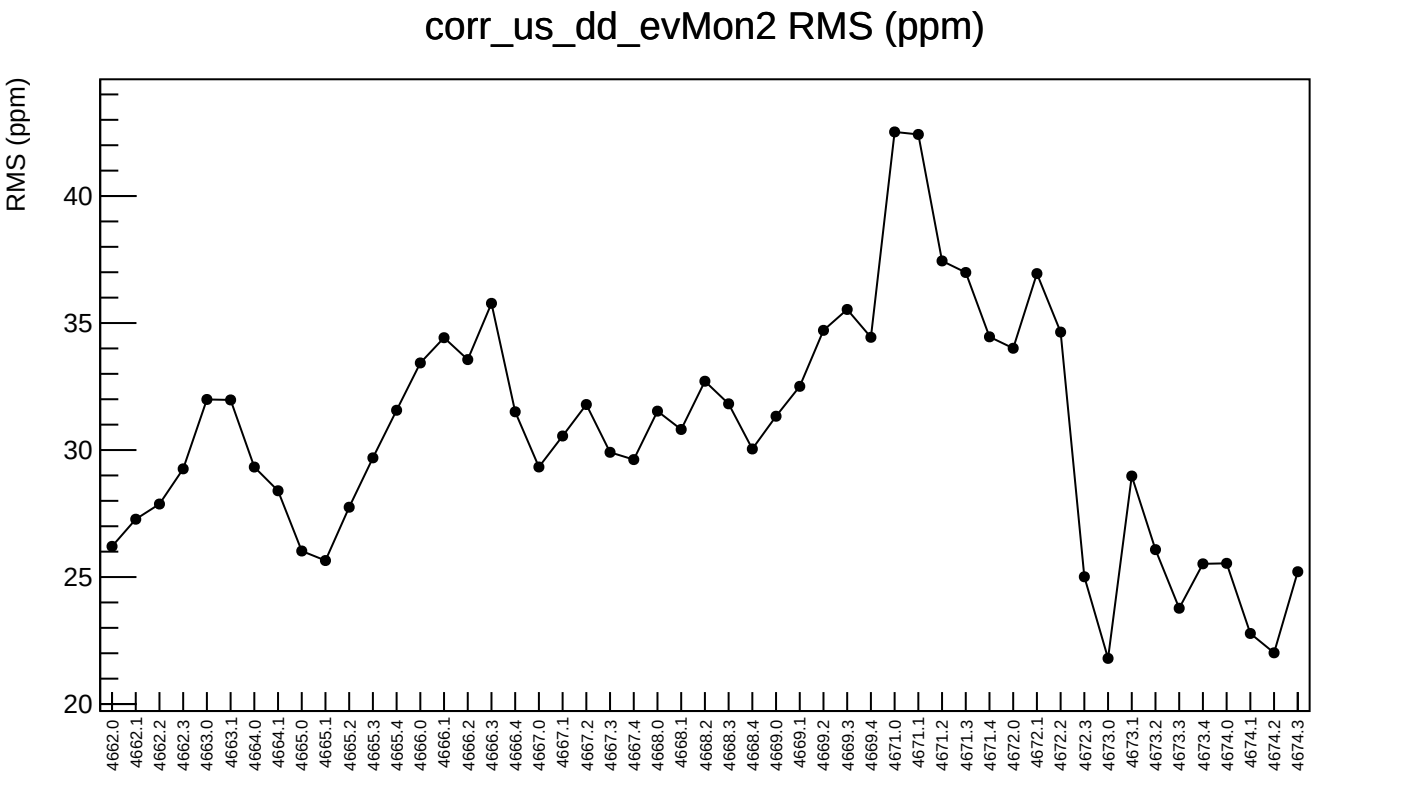

corr_us_dd_evMon1 (ppb)
χ² / ndf 12.14 / 50
p0 −48.88 ± 67.38

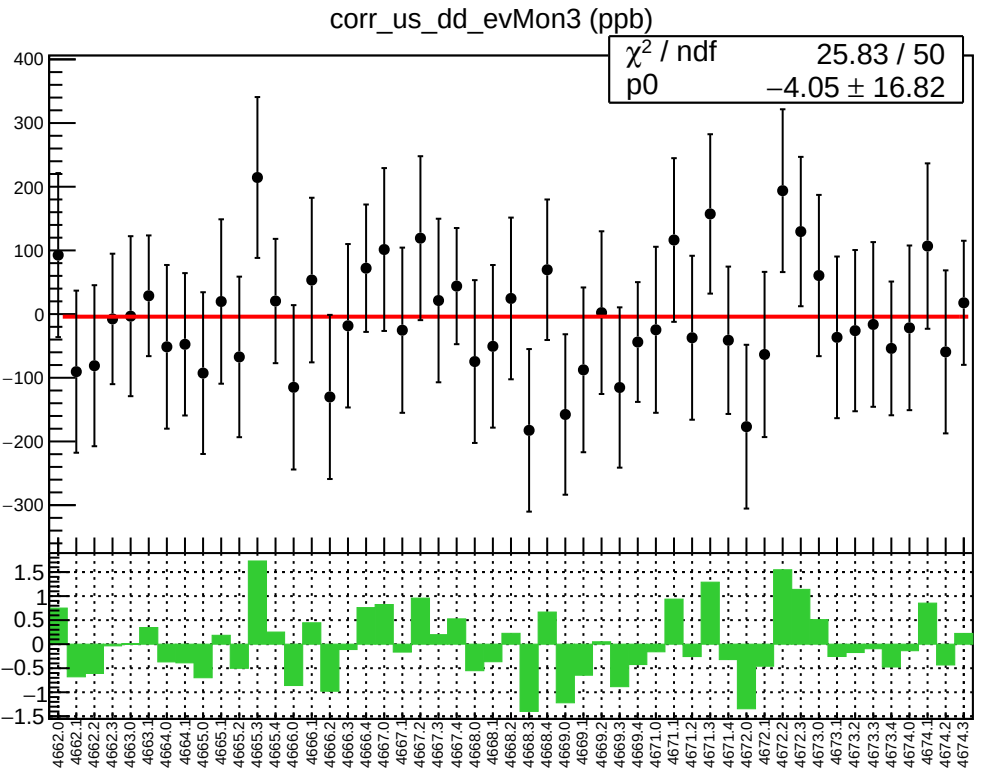

1D pull distribution
Mean −0.0004217 ± 0.06832
Std Dev 0.4879 ± 0.04831
Underflow 0
Overflow 0
χ² / ndf 1.047 / 2
Constant 22.85 ± 4.25
Mean −0.03634 ± 0.07166
Sigma 0.4735 ± 0.0653

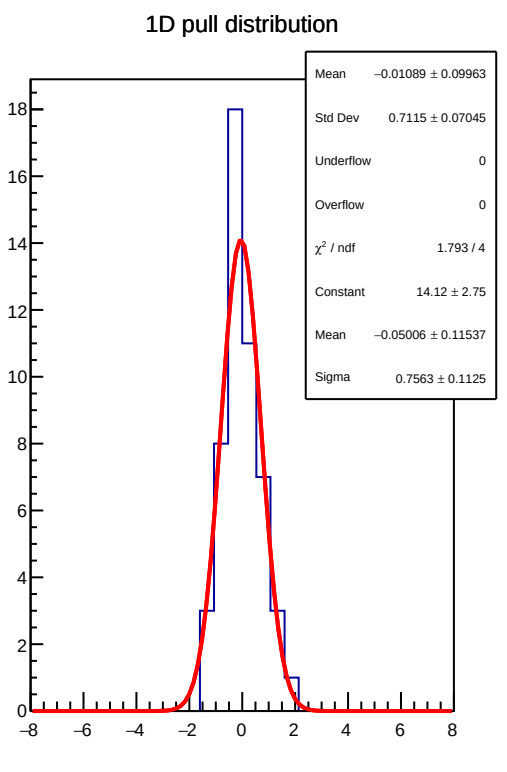

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
27
26
25
24
23
22
21
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

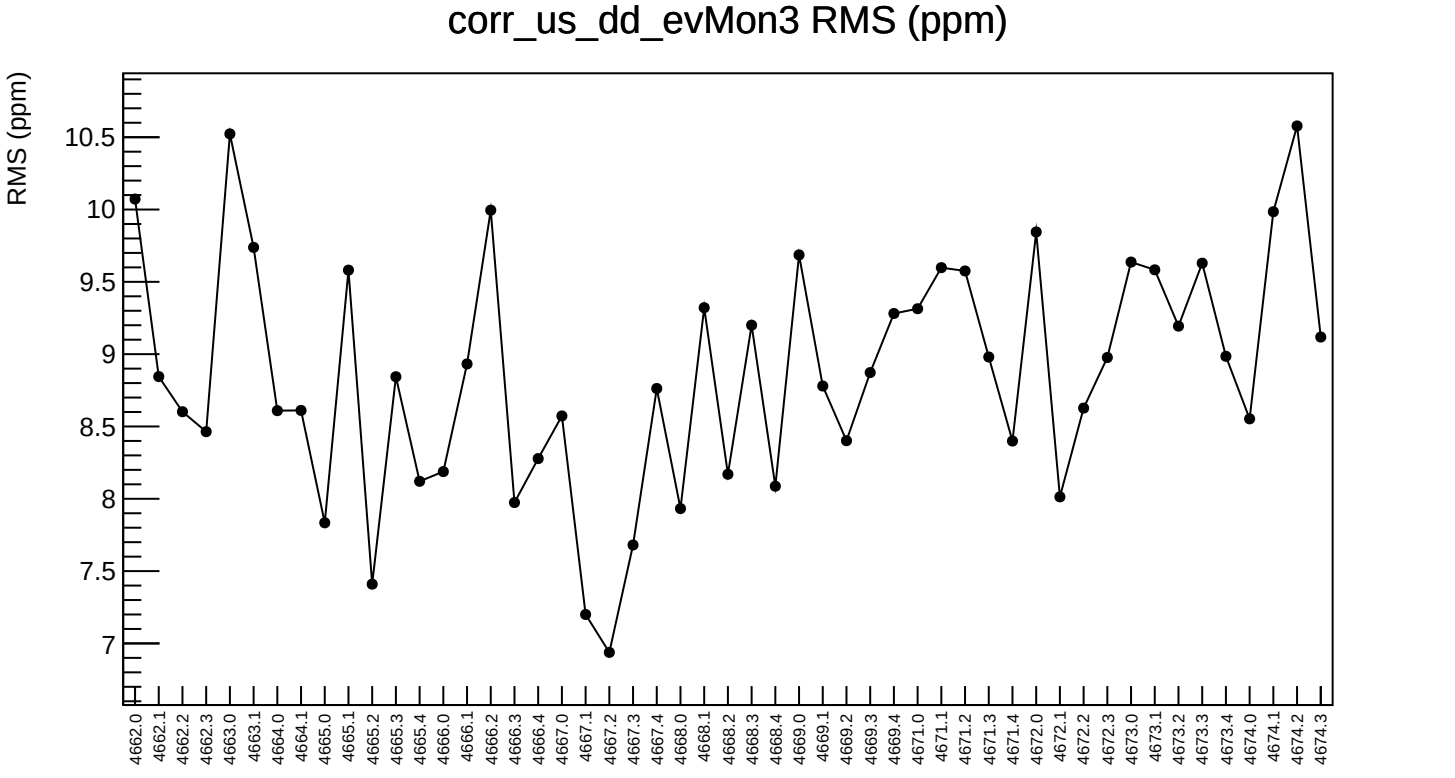

corr_us_dd_evMon2 (ppb)
χ² / ndf 63.35 / 50
p0 −49.95 ± 37.13
1000
500
0
−500
−1000
3
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

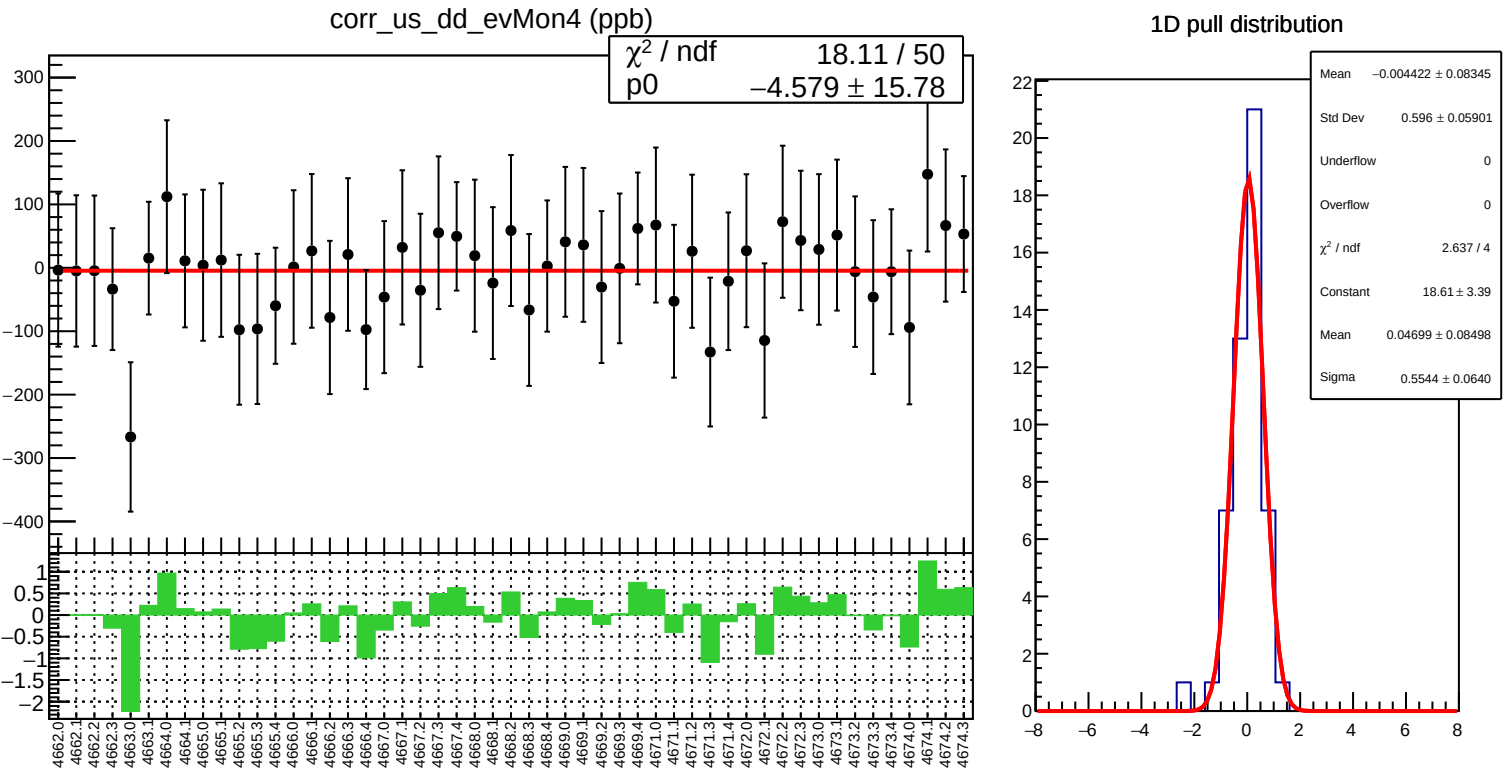

1D pull distribution
Mean 0.0004303 ± 0.1561
Std Dev 1.115 ± 0.1104
Underflow 0
Overflow 0
χ² / ndf 3.508 / 8
Constant 9.627 ± 1.891
Mean −0.09707 ± 0.17459
Sigma 1.074 ± 0.161
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

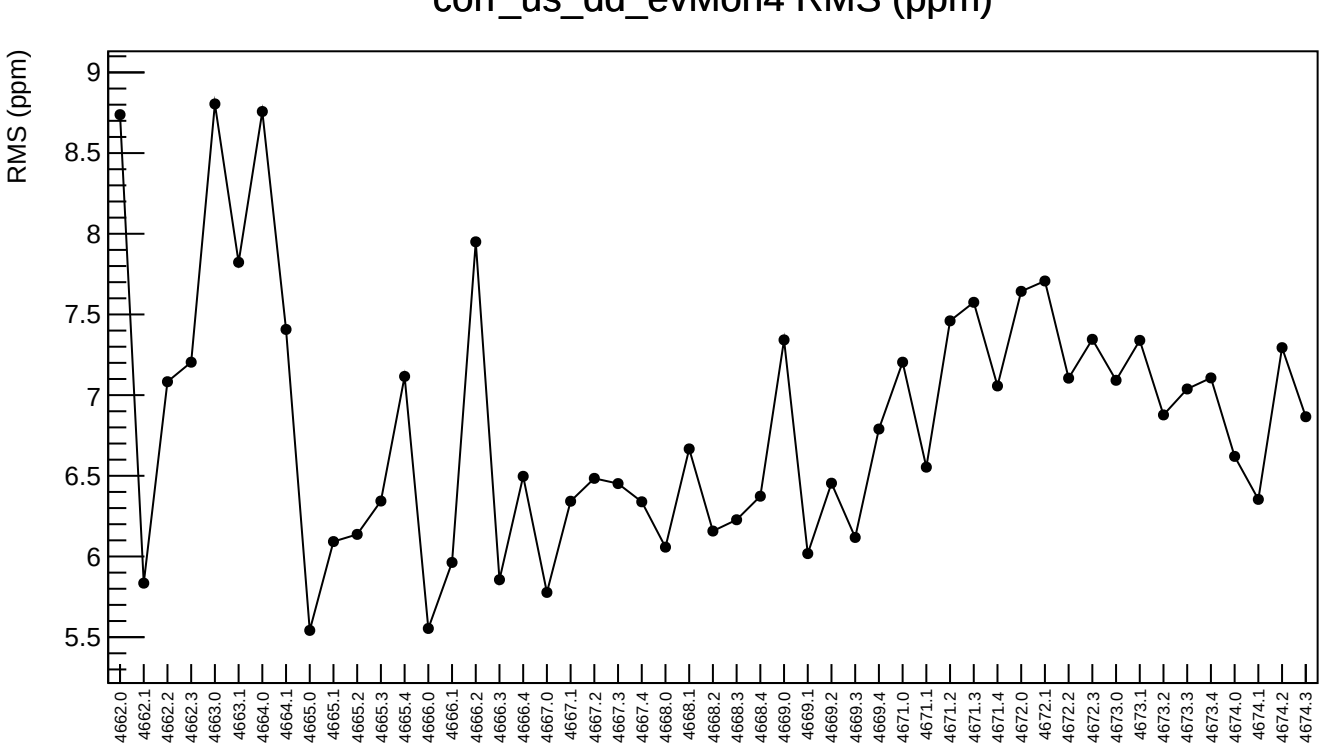

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
20
25
30
35
40
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

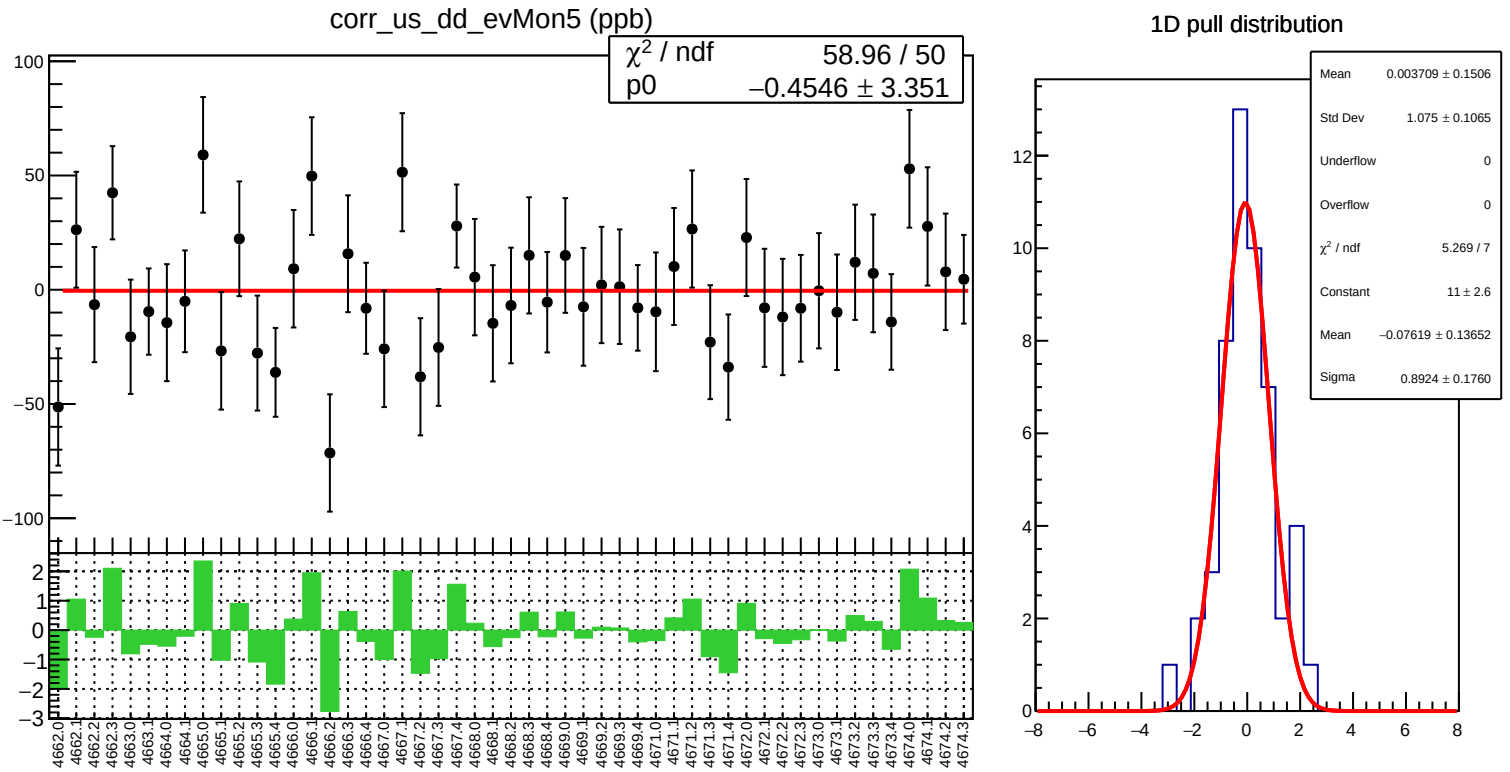

corr_us_dd_evMon3 (ppb)
χ² / ndf 25.83 / 50
p0 −4.05 ± 16.82

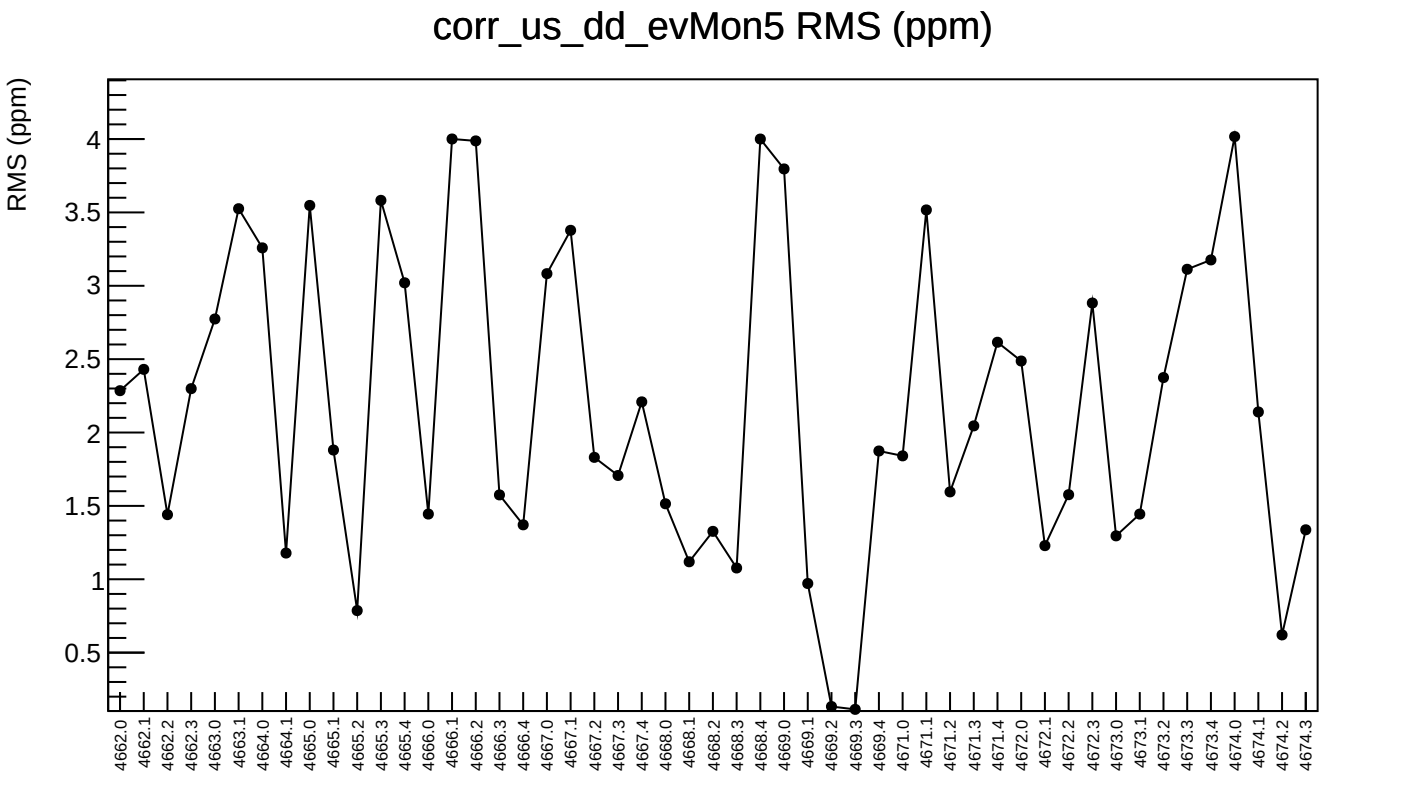

1D pull distribution
Mean −0.01089 ± 0.09963
Std Dev 0.7115 ± 0.07045
Underflow 0
Overflow 0
χ² / ndf 1.793 / 4
Constant 14.12 ± 2.75
Mean −0.05006 ± 0.11537
Sigma 0.7563 ± 0.1125

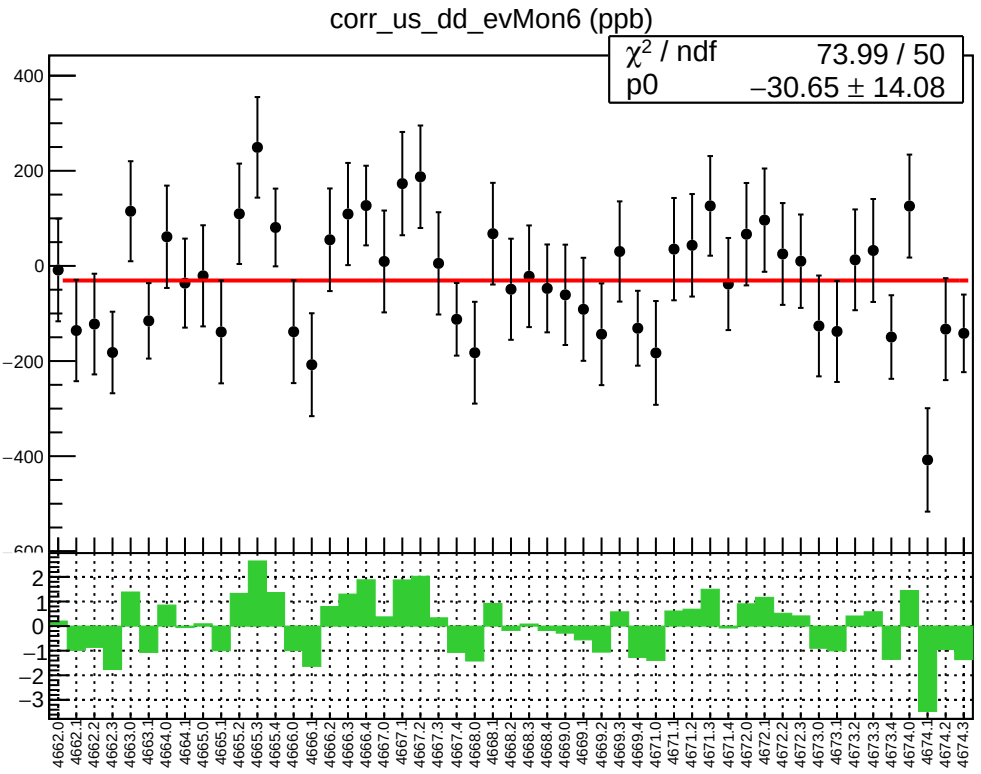

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
10.5
10
9.5
9
8.5
8
7.5
7
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

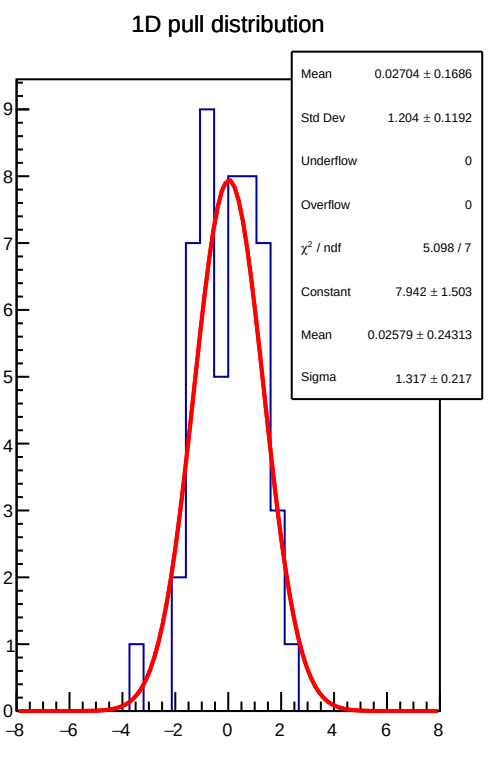

corr_us_dd_evMon4 (ppb)
χ² / ndf 18.11 / 50
p0 −4.579 ± 15.78
1D pull distribution
Mean −0.004422 ± 0.08345
Std Dev 0.596 ± 0.05901
Underflow 0
Overflow 0
χ² / ndf 2.637 / 4
Constant 18.61 ± 3.39
Mean 0.04699 ± 0.08498
Sigma 0.5544 ± 0.0640

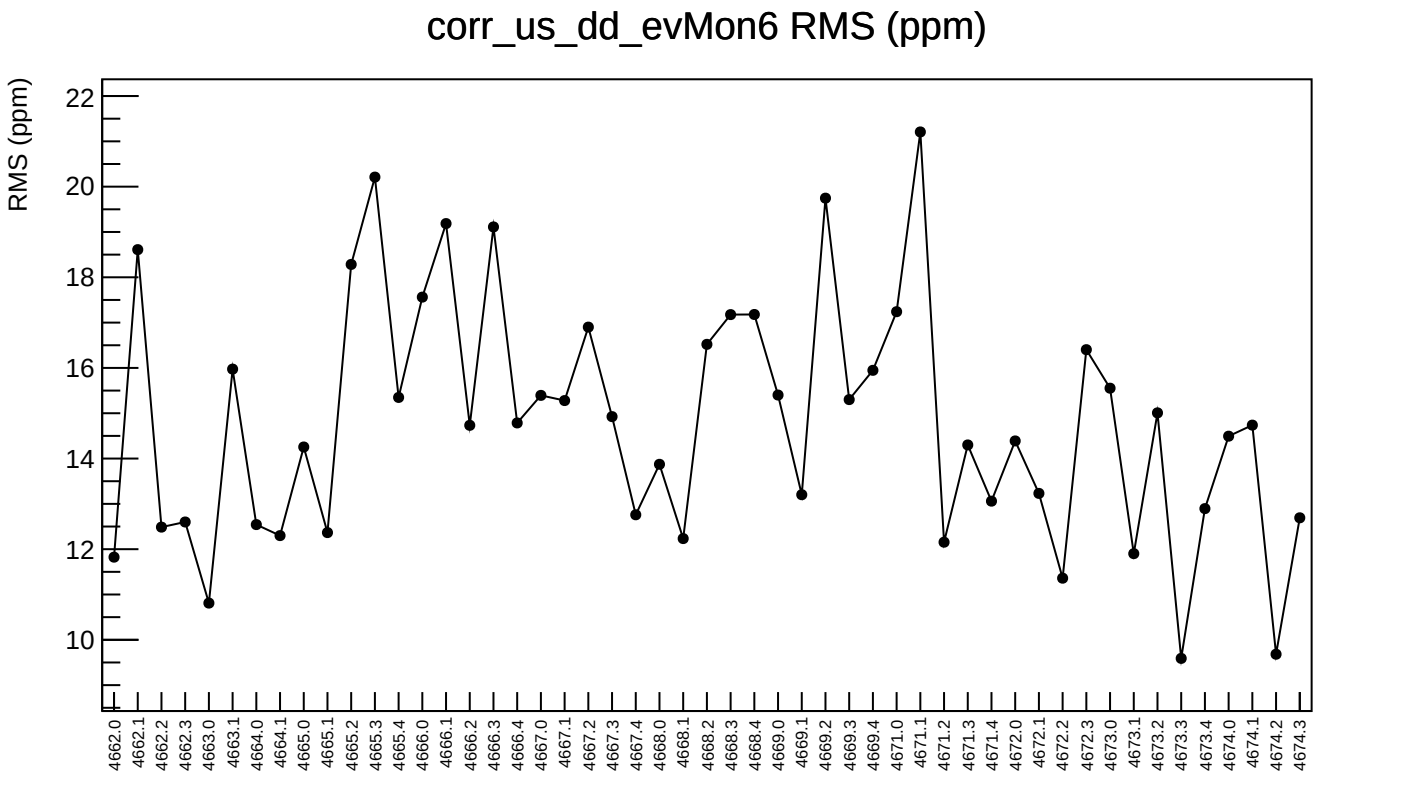

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
9
8.5
8
7.5
7
6.5
6
5.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

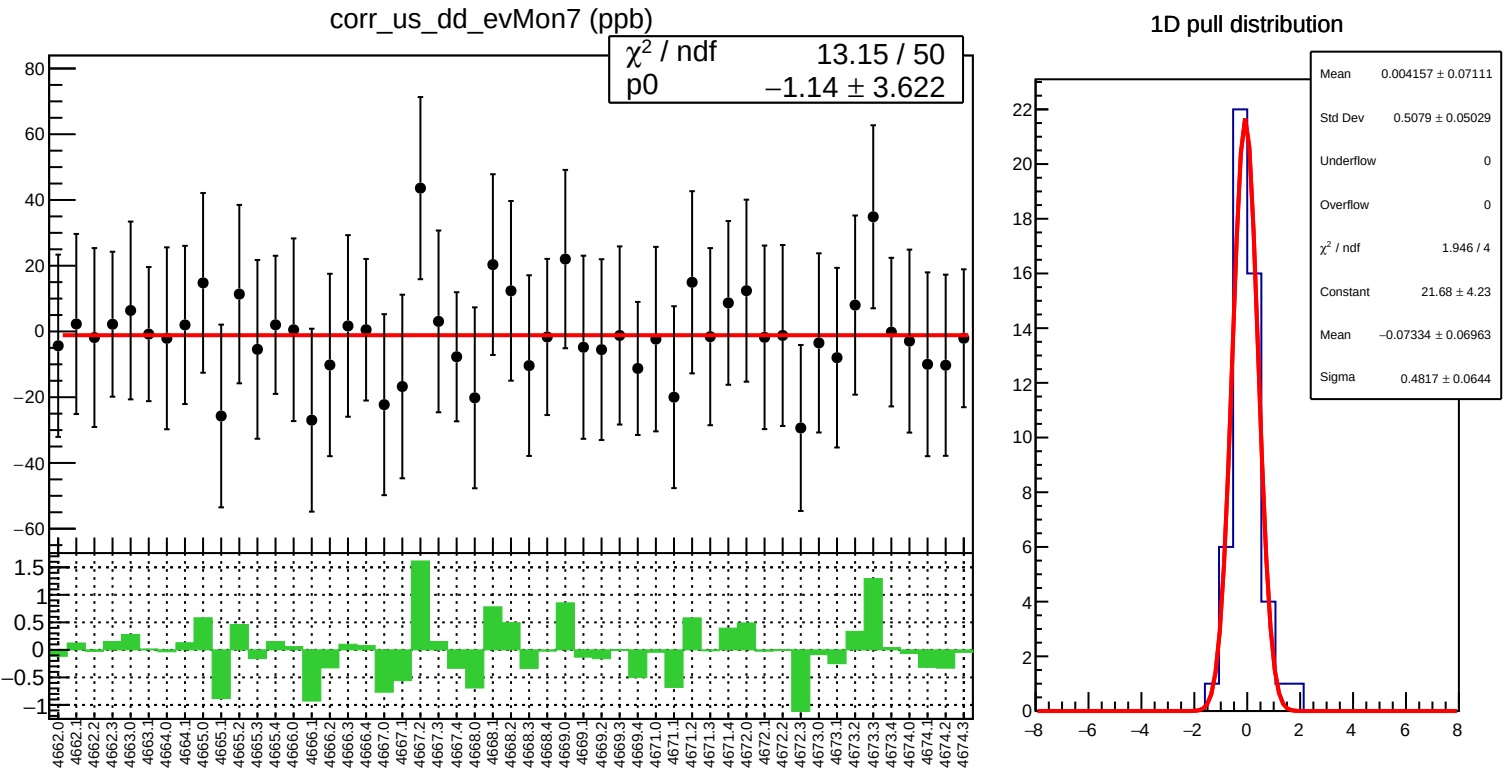

corr_us_dd_evMon5 (ppb)
χ² / ndf 58.96 / 50
p0 −0.4546 ± 3.351
1D pull distribution
Mean 0.003709 ± 0.1506
Std Dev 1.075 ± 0.1065
Underflow 0
Overflow 0
χ² / ndf 5.269 / 7
Constant 11 ± 2.6
Mean −0.07619 ± 0.13652
Sigma 0.8924 ± 0.1760

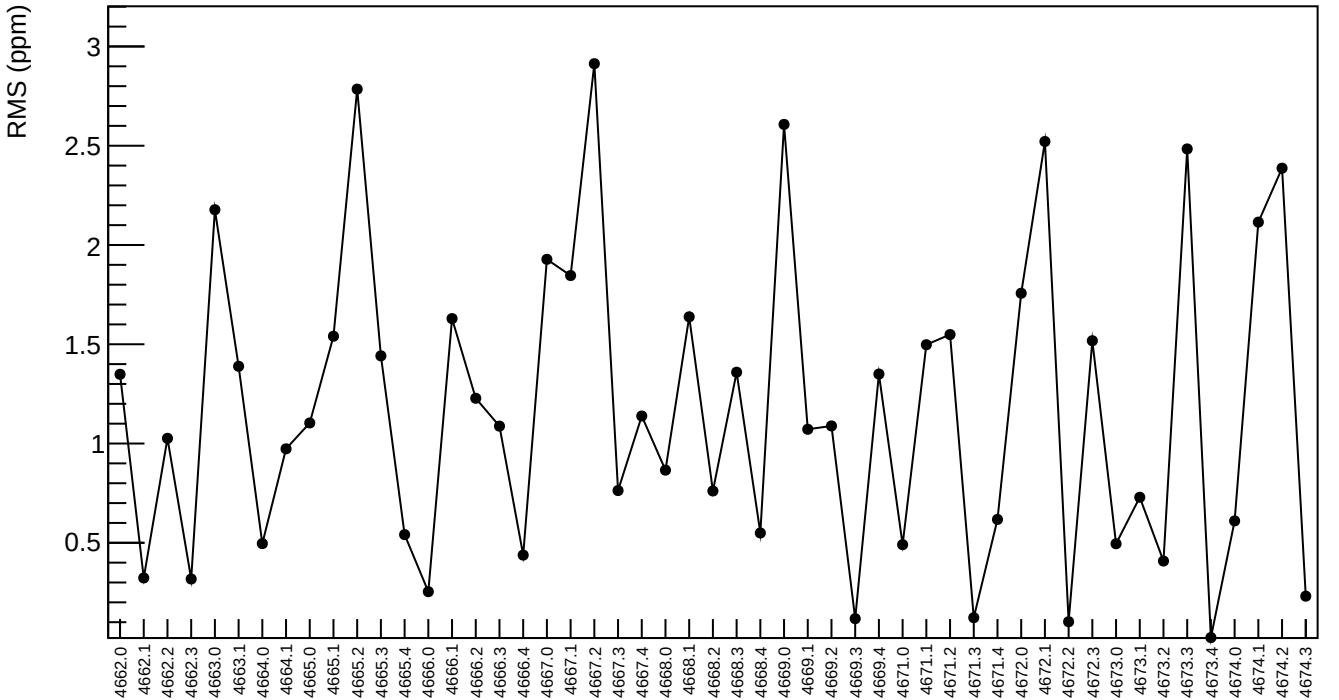

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

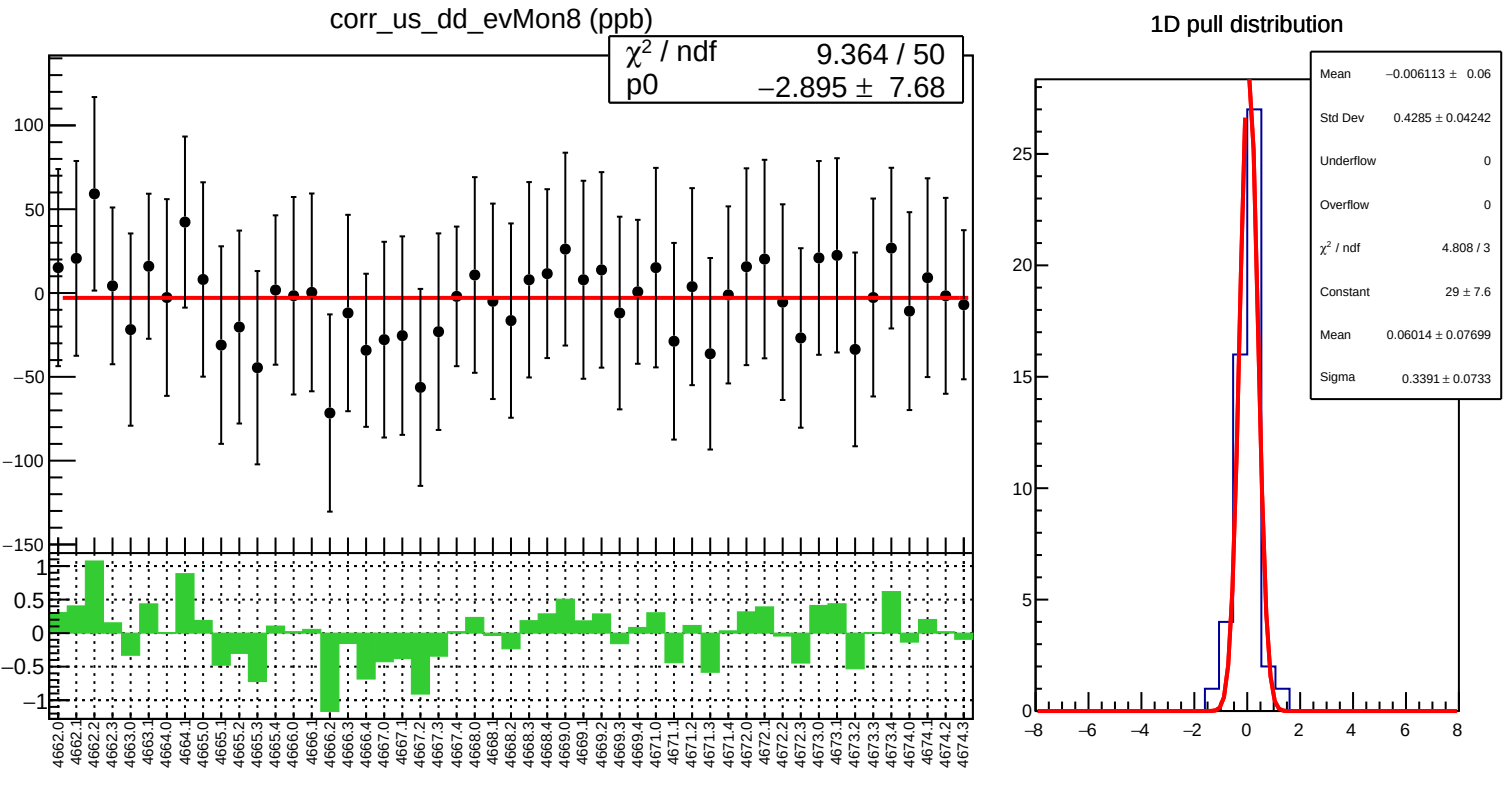

corr_us_dd_evMon6 (ppb)
χ² / ndf 73.99 / 50
p0 −30.65 ± 14.08
400
200
0
−200
−400
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

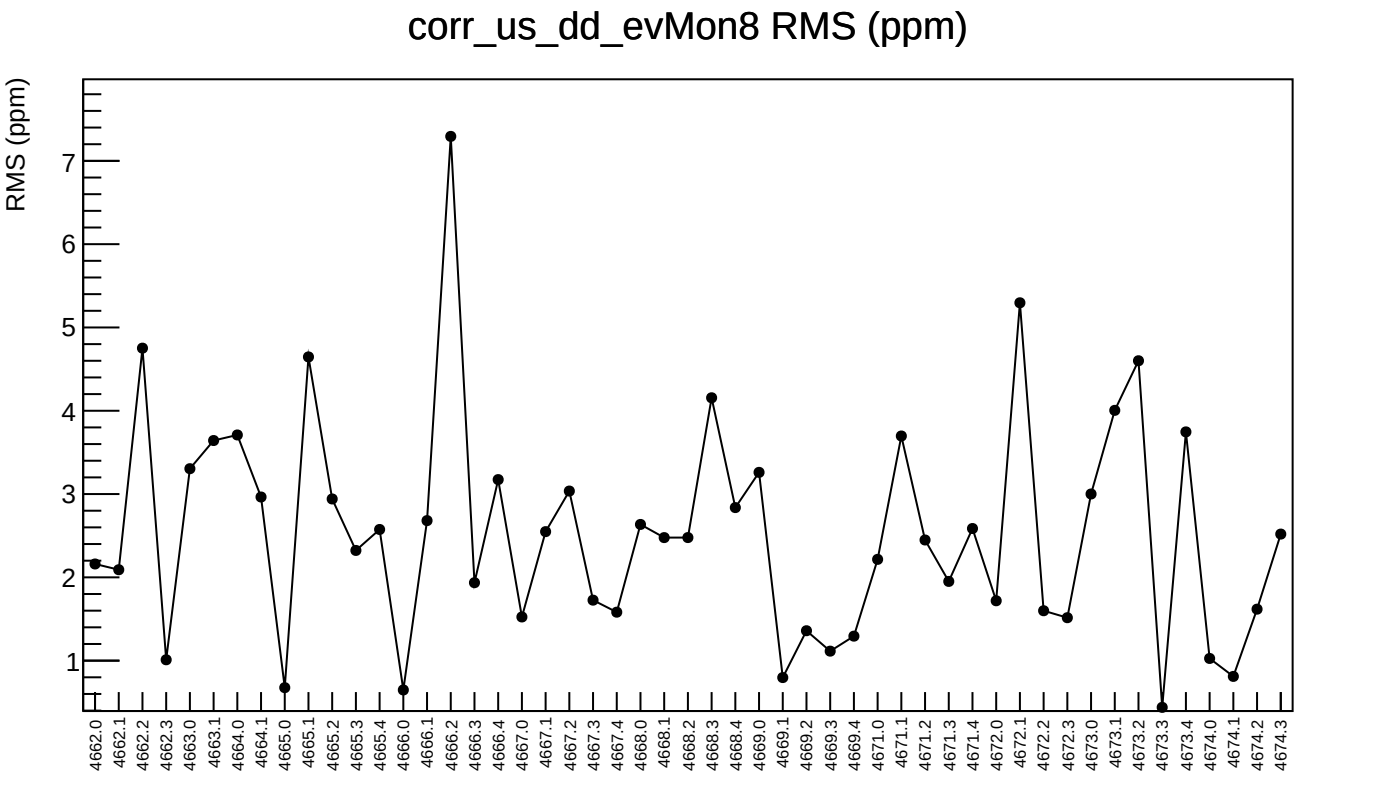

1D pull distribution
Mean 0.02704 ± 0.1686
Std Dev 1.204 ± 0.1192
Underflow 0
Overflow 0
χ² / ndf 5.098 / 7
Constant 7.942 ± 1.503
Mean 0.02579 ± 0.24313
Sigma 1.317 ± 0.217
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

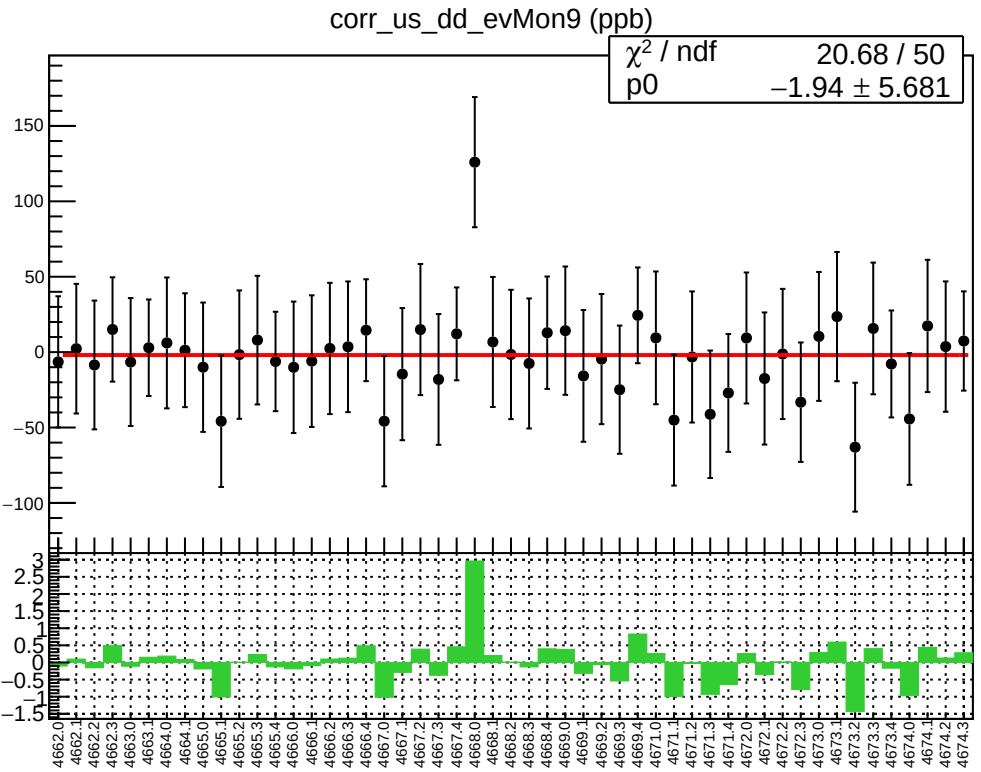

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
10
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

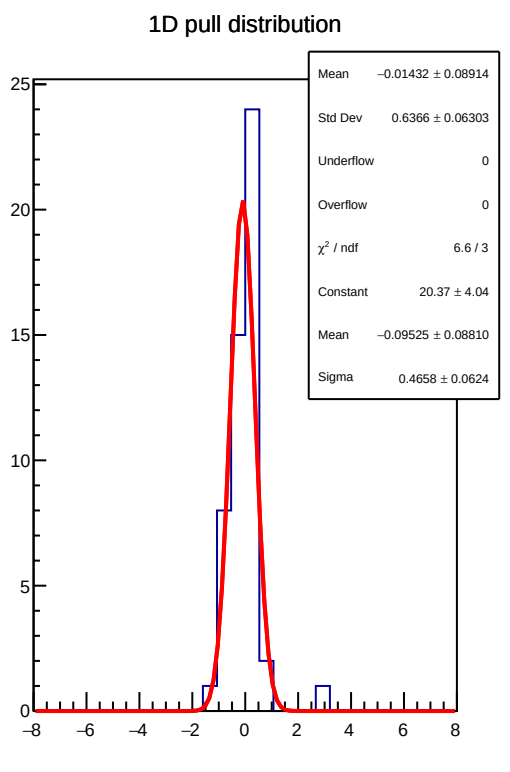

corr_us_dd_evMon7 (ppb)
χ² / ndf 13.15 / 50
p0 −1.14 ± 3.622
1D pull distribution
Mean 0.004157 ± 0.07111
Std Dev 0.5079 ± 0.05029
Underflow 0
Overflow 0
χ² / ndf 1.946 / 4
Constant 21.68 ± 4.23
Mean −0.07334 ± 0.06963
Sigma 0.4817 ± 0.0644

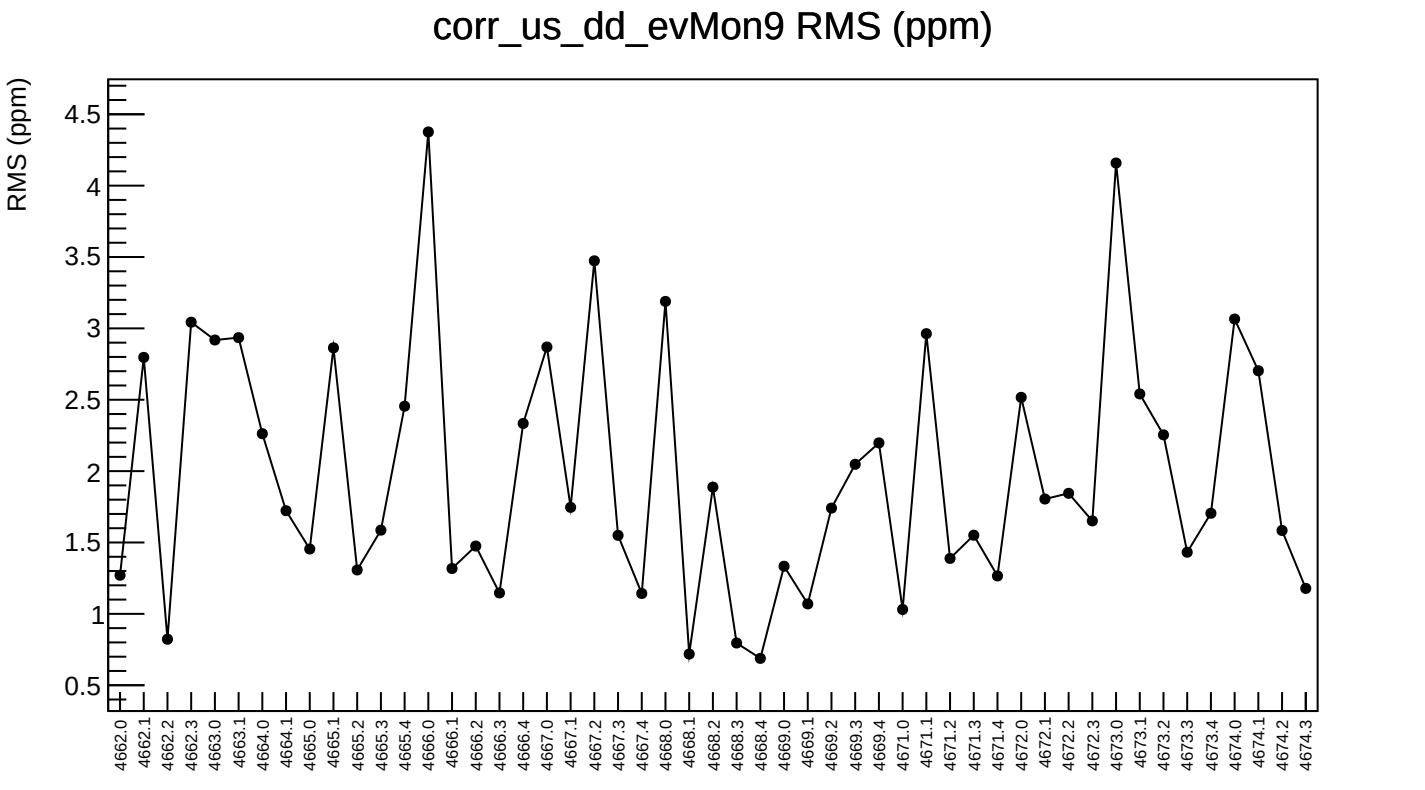

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
3
2.5
2
1.5
1
0.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

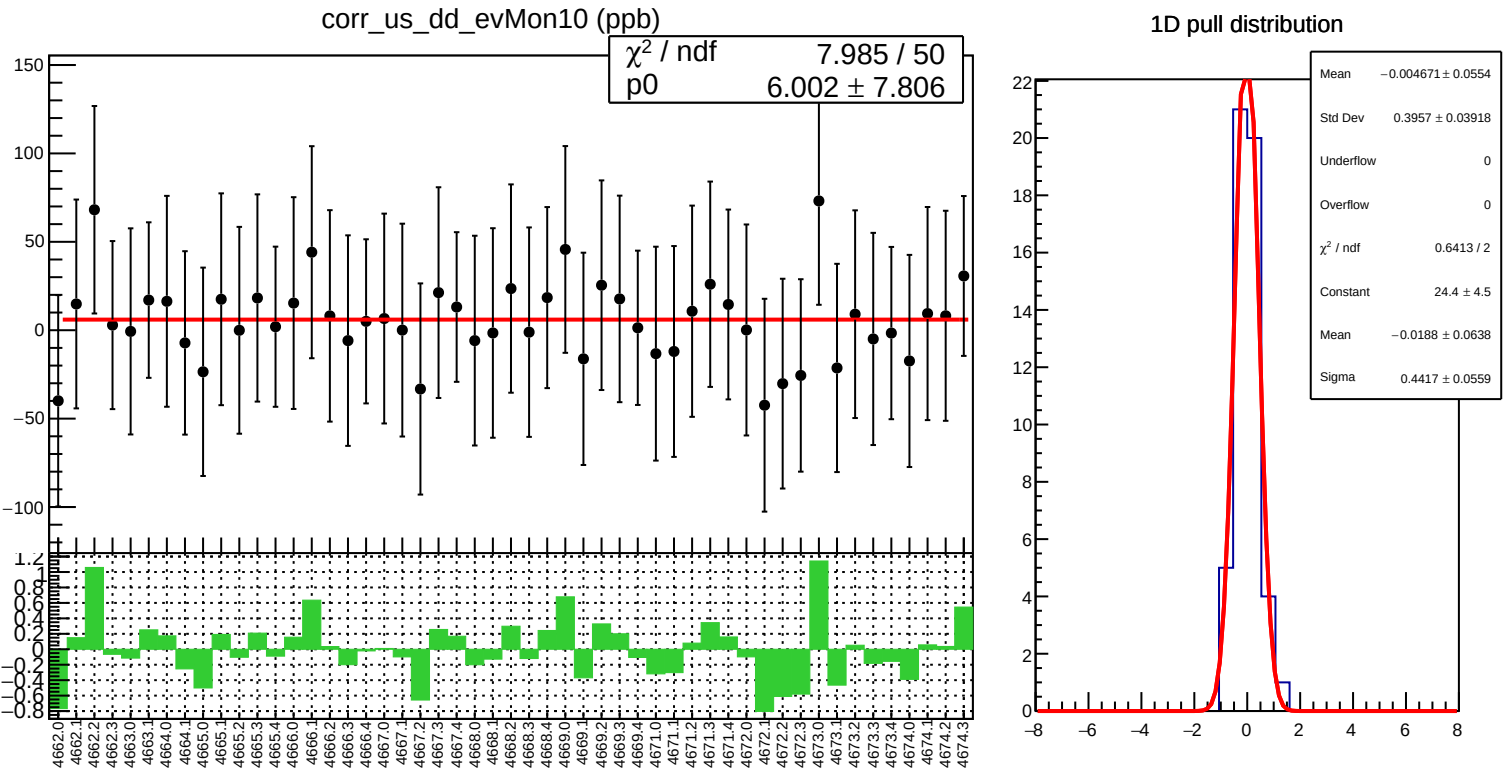

corr_us_dd_evMon8 (ppb)
χ² / ndf 9.364 / 50
p0 −2.895 ± 7.68
1D pull distribution
Mean −0.006113 ± 0.06
Std Dev 0.4285 ± 0.04242
Underflow 0
Overflow 0
χ² / ndf 4.808 / 3
Constant 29 ± 7.6
Mean 0.06014 ± 0.07699
Sigma 0.3391 ± 0.0733

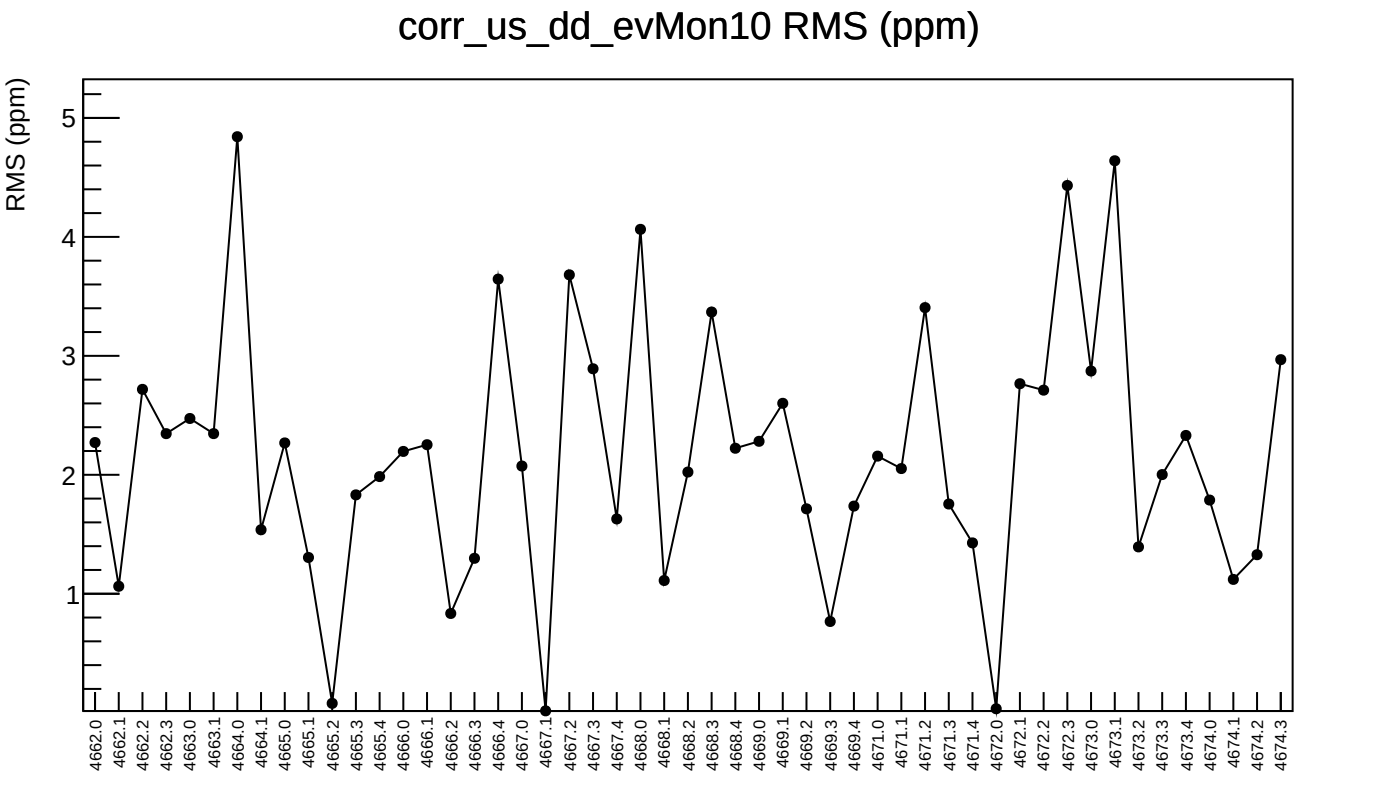

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

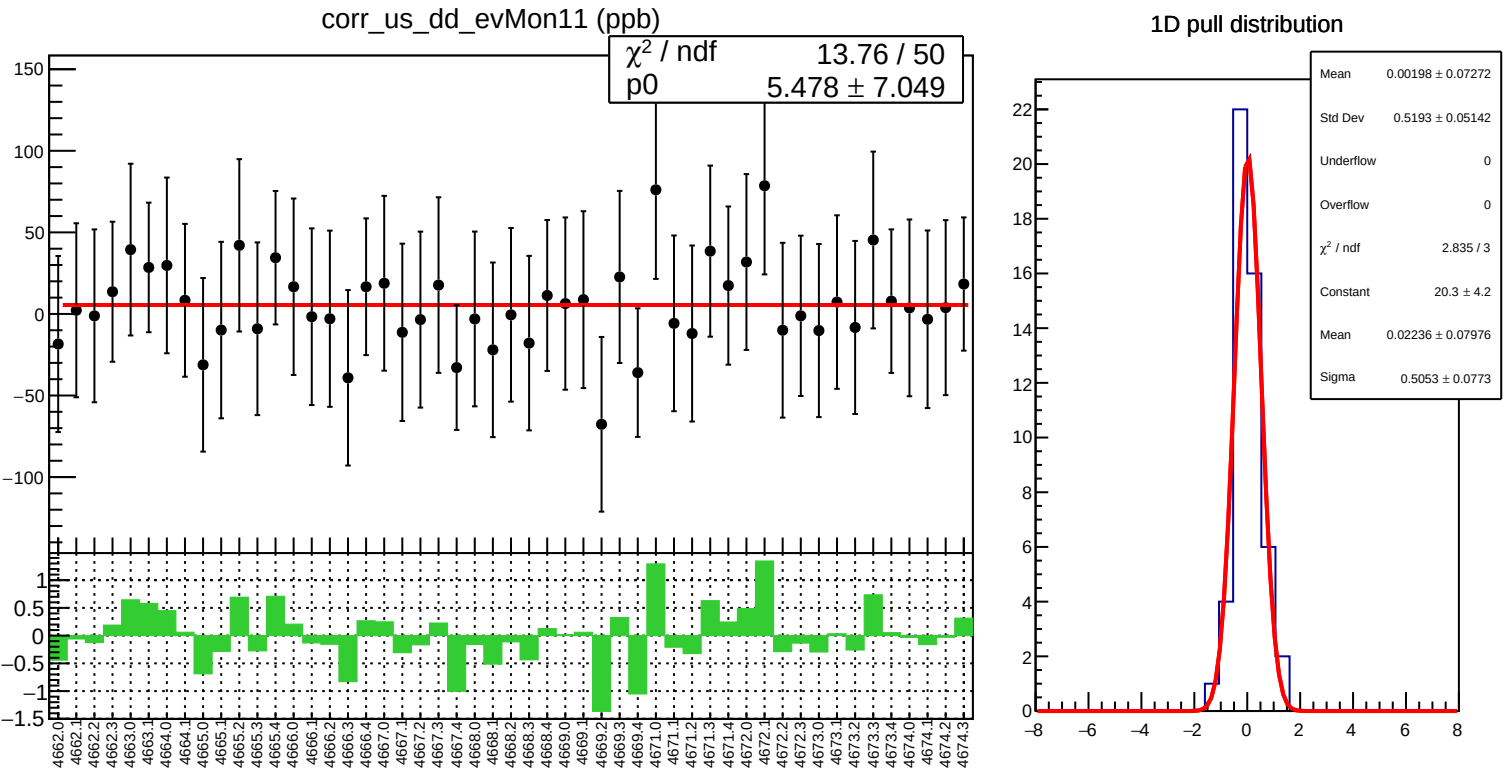

corr_us_dd_evMon9 (ppb)
χ² / ndf 20.68 / 50
p0 −1.94 ± 5.681

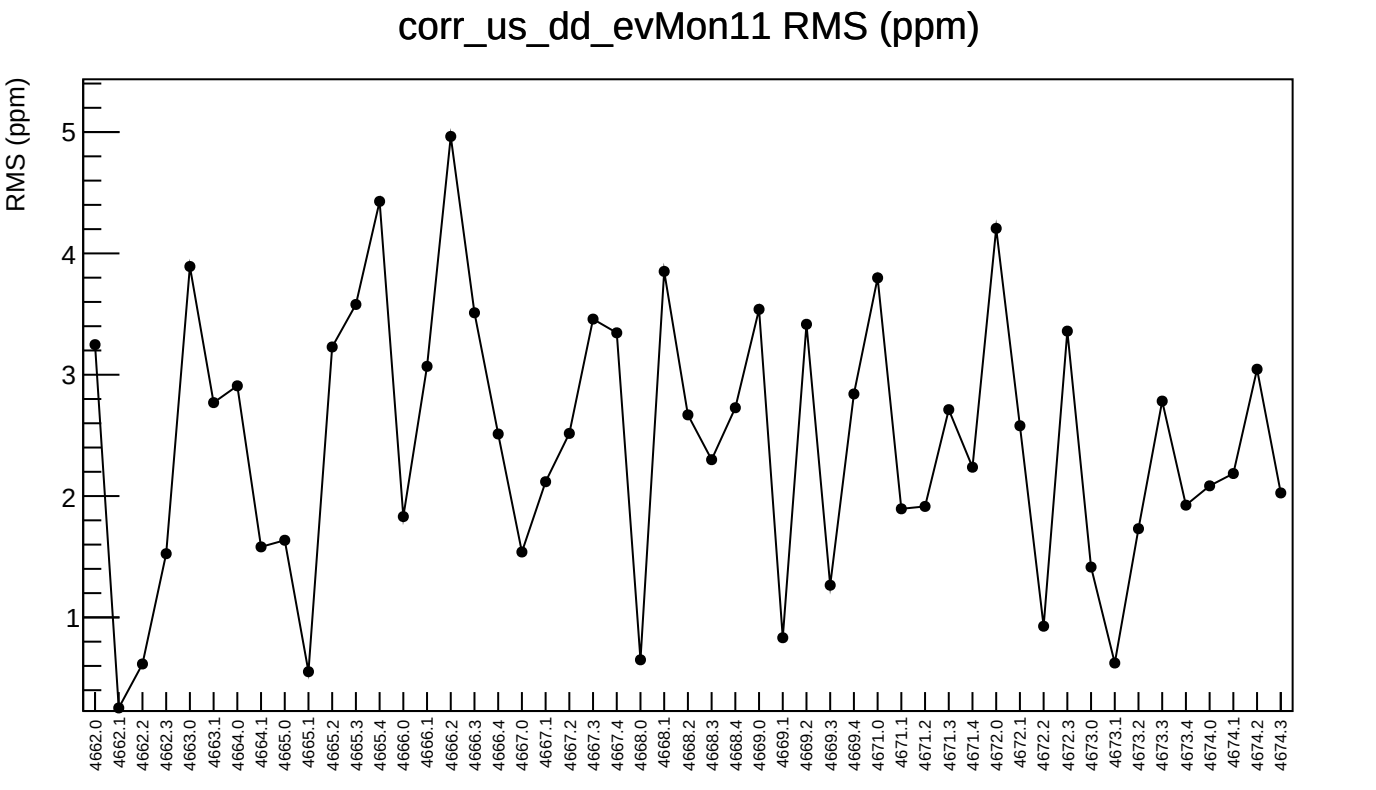

1D pull distribution
Mean −0.01432 ± 0.08914
Std Dev 0.6366 ± 0.06303
Underflow 0
Overflow 0
χ² / ndf 6.6 / 3
Constant 20.37 ± 4.04
Mean −0.09525 ± 0.08810
Sigma 0.4658 ± 0.0624

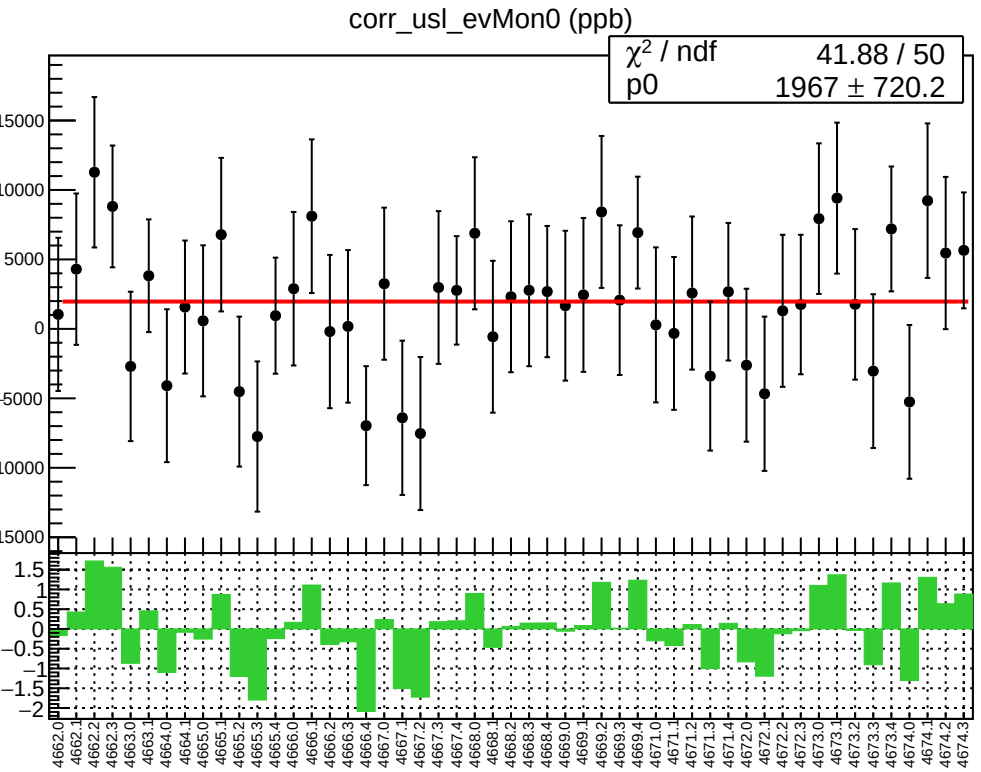

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4
4.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

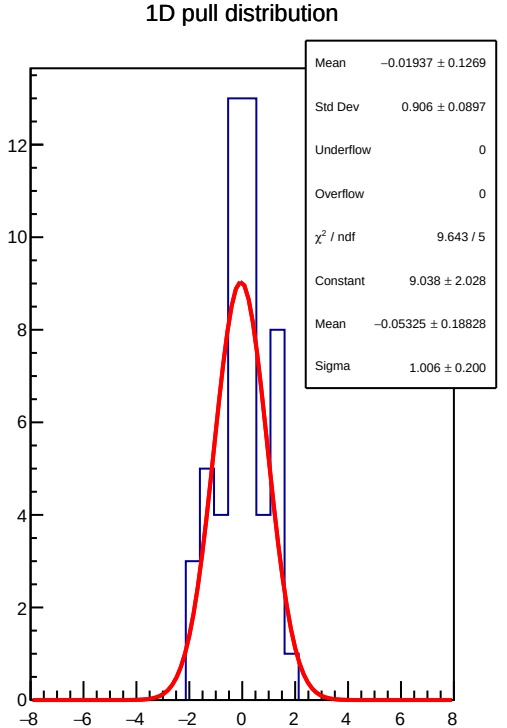

corr_us_dd_evMon10 (ppb)
χ² / ndf 7.985 / 50
p0 6.002 ± 7.806
1D pull distribution
Mean −0.004671 ± 0.0554
Std Dev 0.3957 ± 0.03918
Underflow 0
Overflow 0
χ² / ndf 0.6413 / 2
Constant 24.4 ± 4.5
Mean −0.0188 ± 0.0638
Sigma 0.4417 ± 0.0559

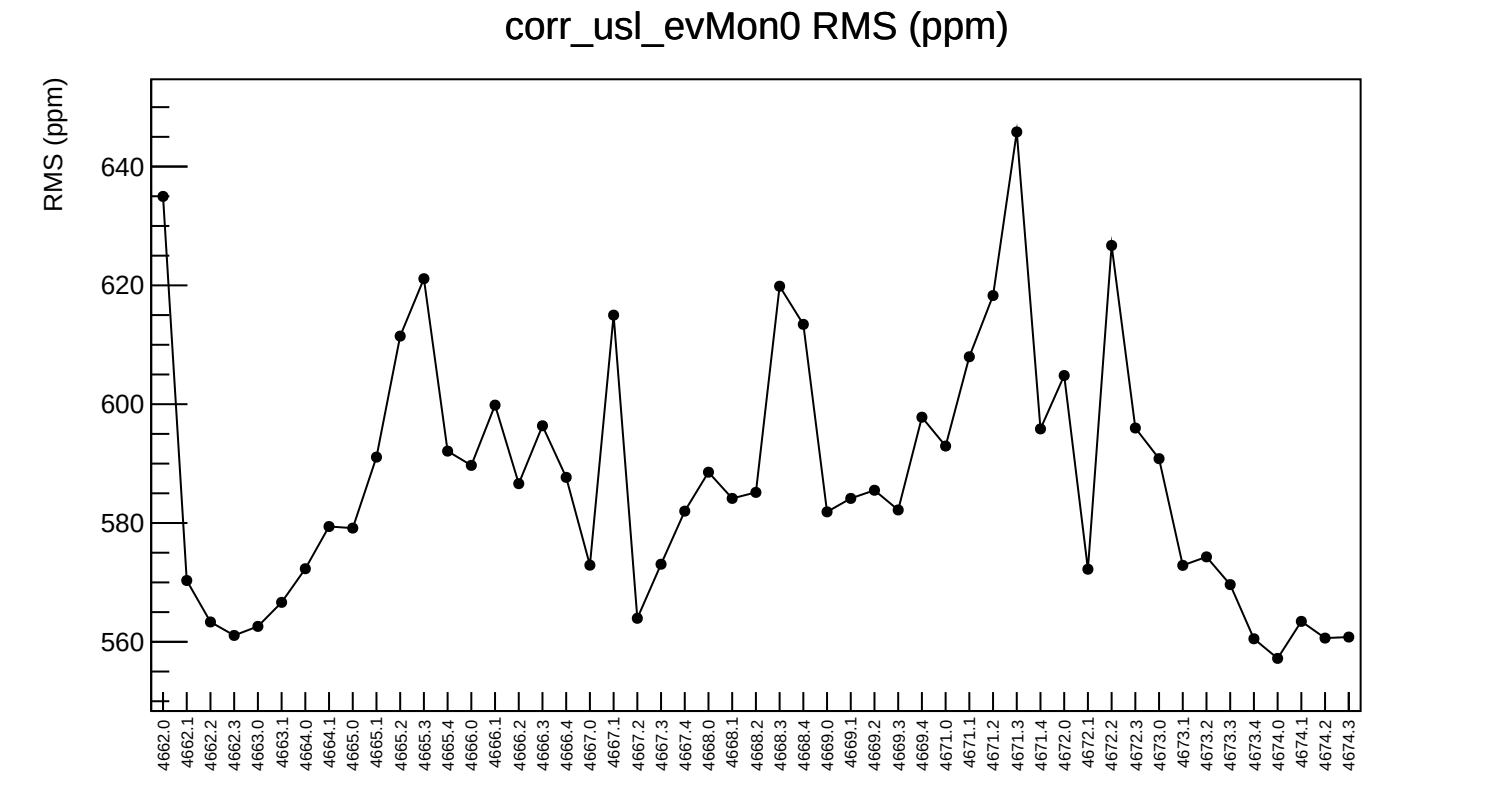

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3


corr_us_dd_evMon11 (ppb)
χ² / ndf 13.76 / 50
p0 5.478 ± 7.049
1D pull distribution
Mean 0.00198 ± 0.07272
Std Dev 0.5193 ± 0.05142
Underflow 0
Overflow 0
χ² / ndf 2.835 / 3
Constant 20.3 ± 4.2
Mean 0.02236 ± 0.07976
Sigma 0.5053 ± 0.0773


corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3


corr_usl_evMon0 (ppb)
χ² / ndf 41.88 / 50
p0 1967 ± 720.2
15000
10000
5000
0
-5000
-10000
-15000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3


1D pull distribution
Mean −0.01937 ± 0.1269
Std Dev 0.906 ± 0.0897
Underflow 0
Overflow 0
χ² / ndf 9.643 / 5
Constant 9.038 ± 2.028
Mean −0.05325 ± 0.18828
Sigma 1.006 ± 0.200
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


corr_usl_evMon0 RMS (ppm)
RMS (ppm)
640
620
600
580
560
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
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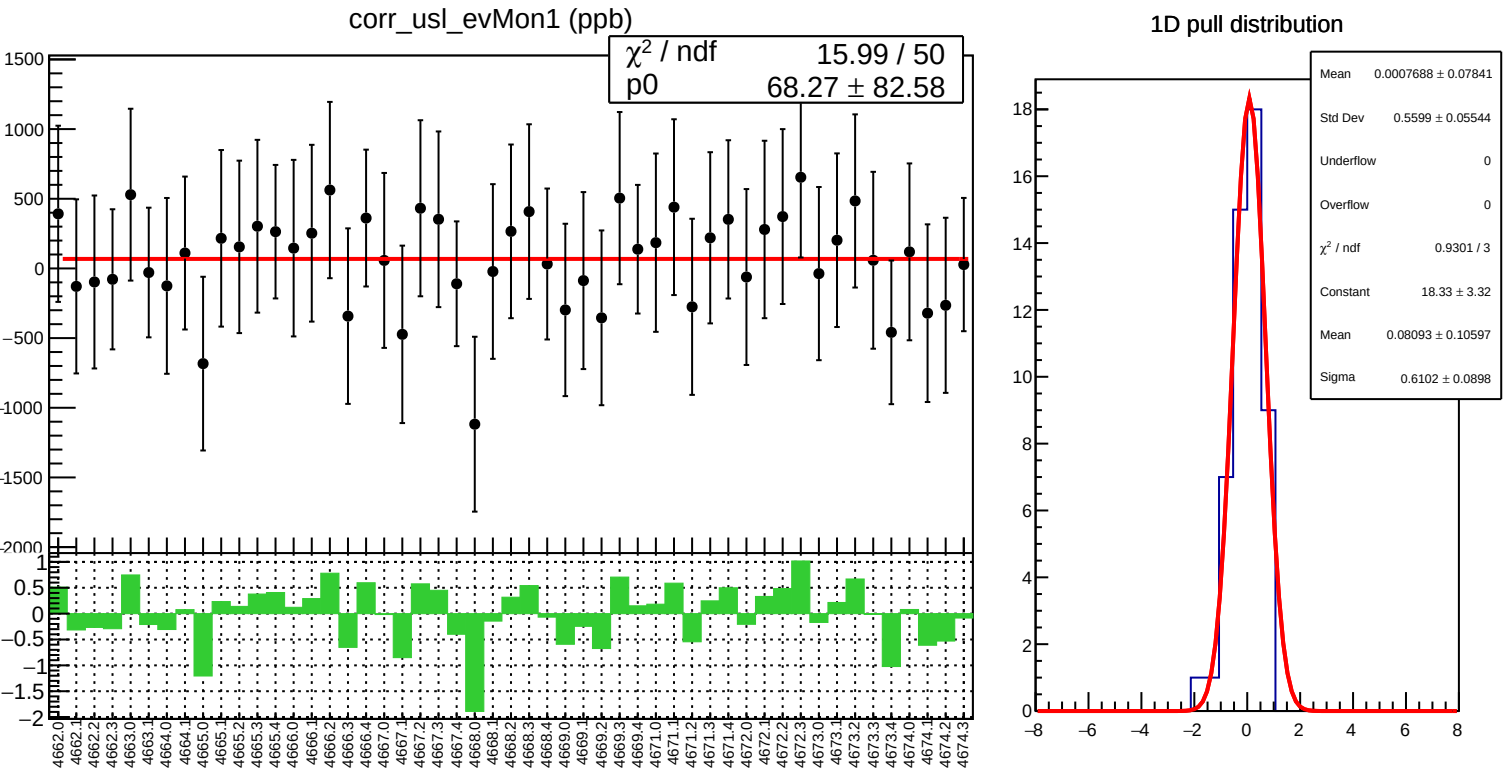
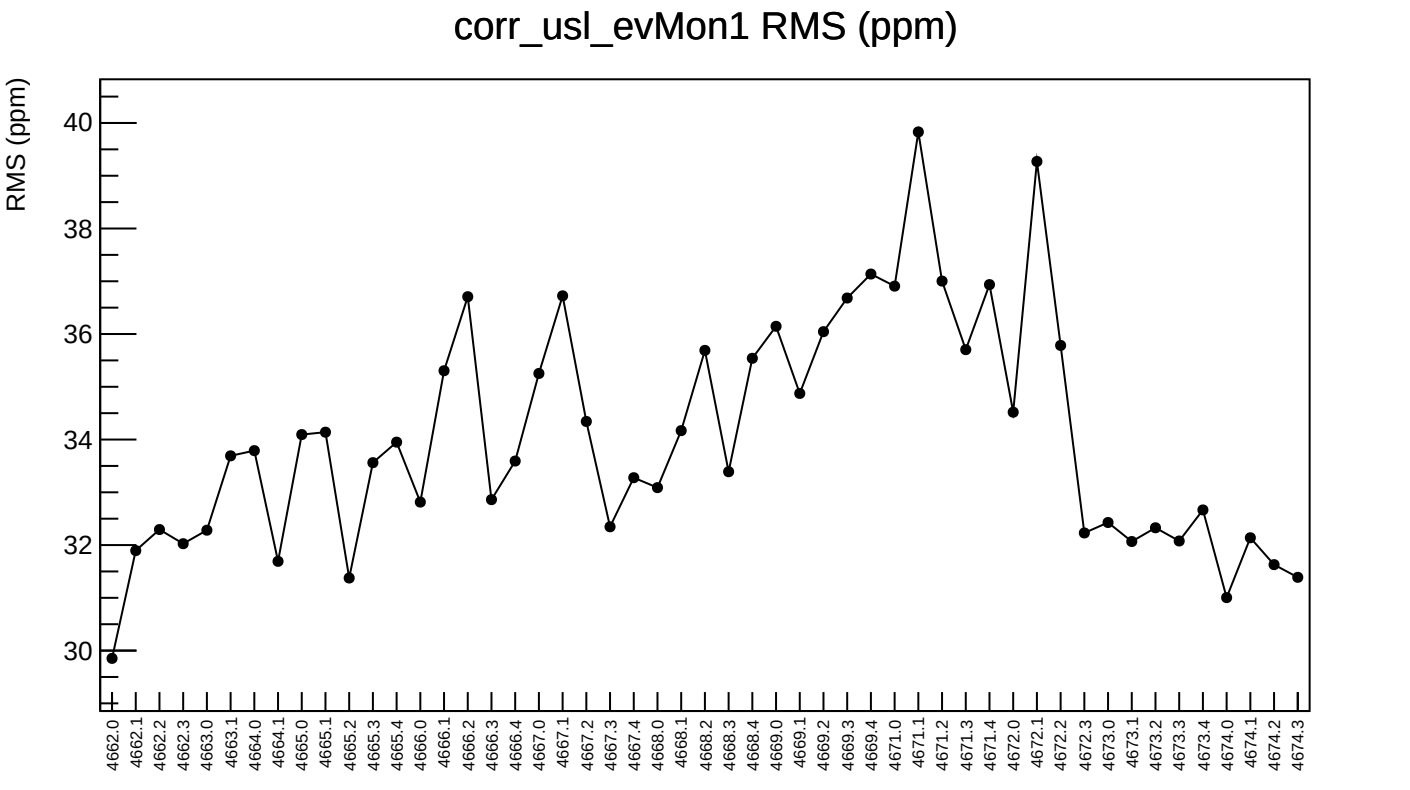
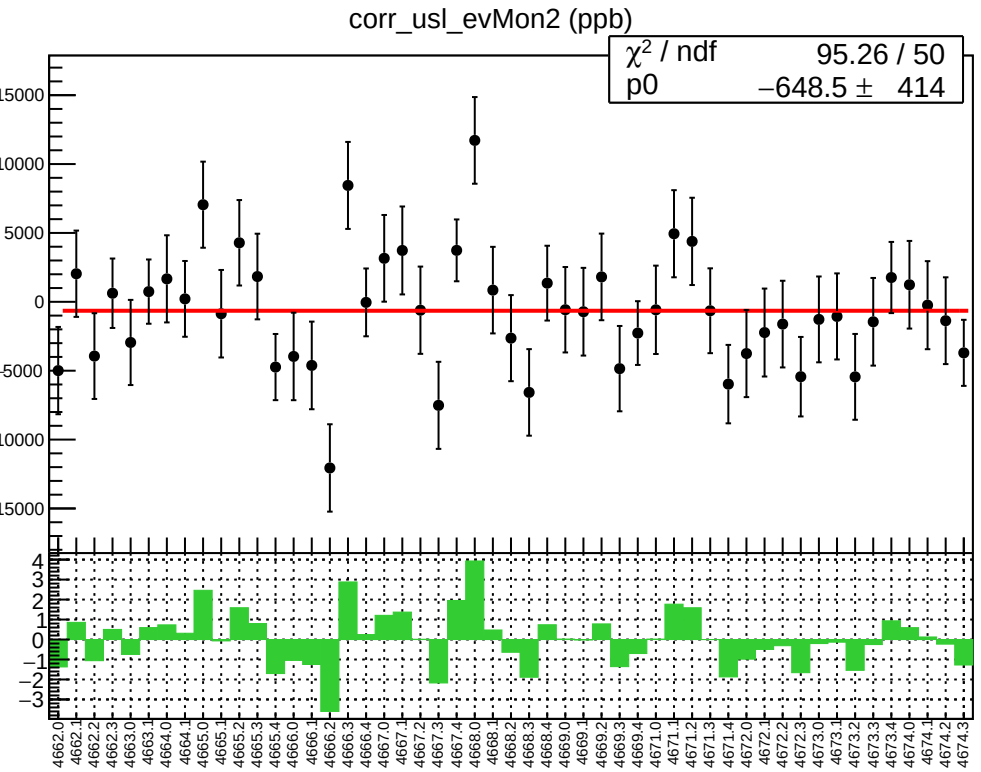
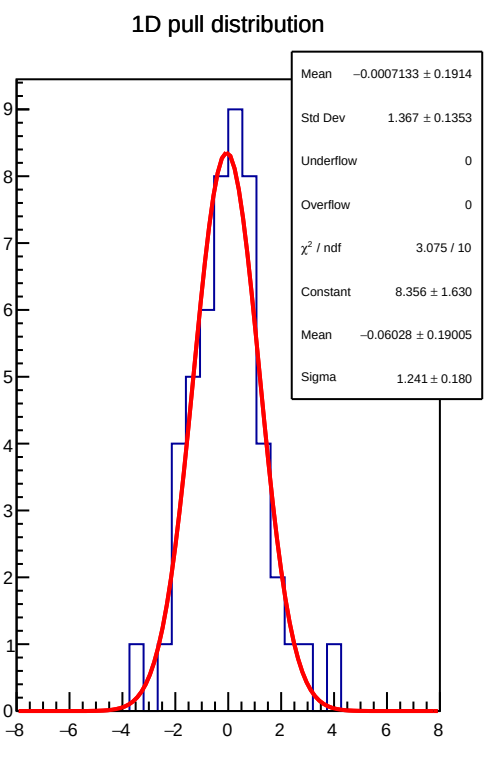
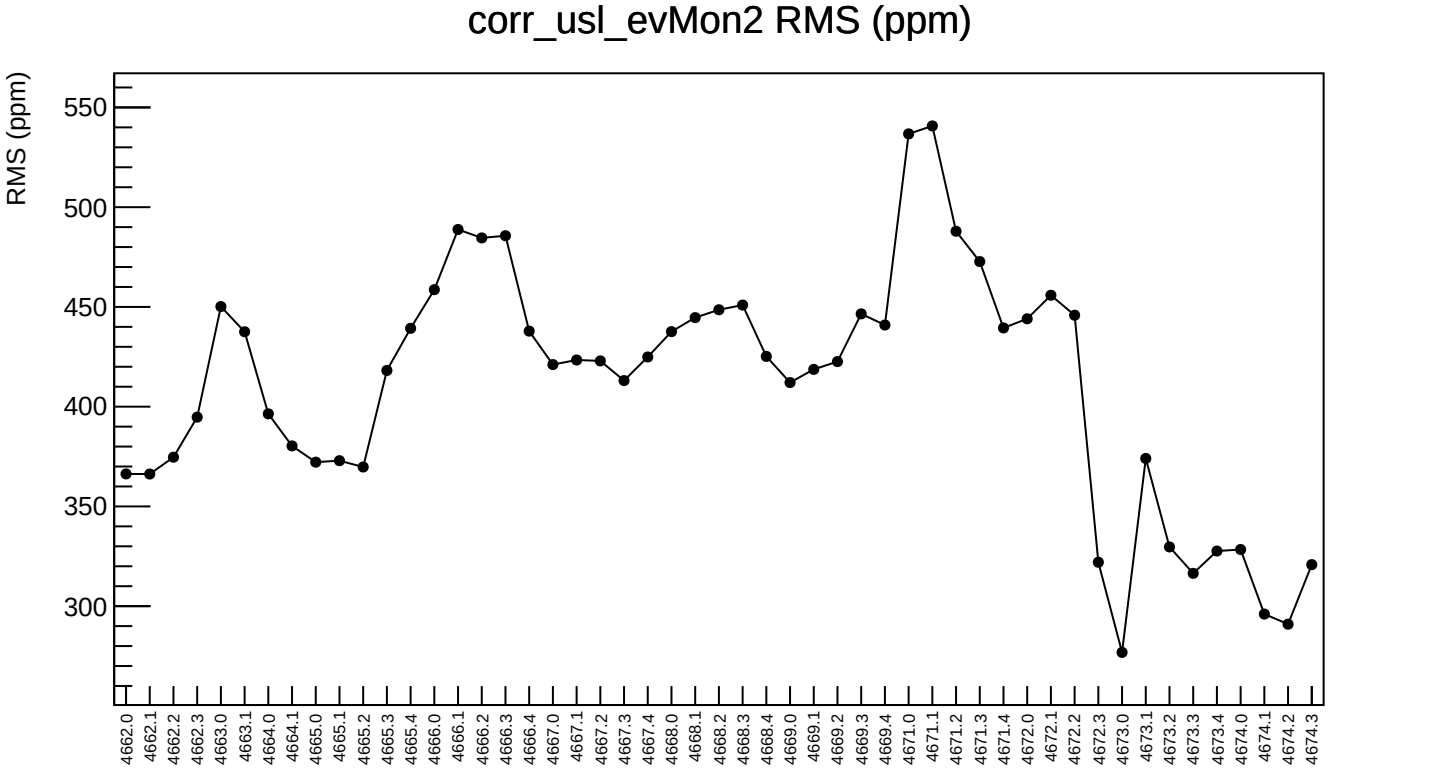
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

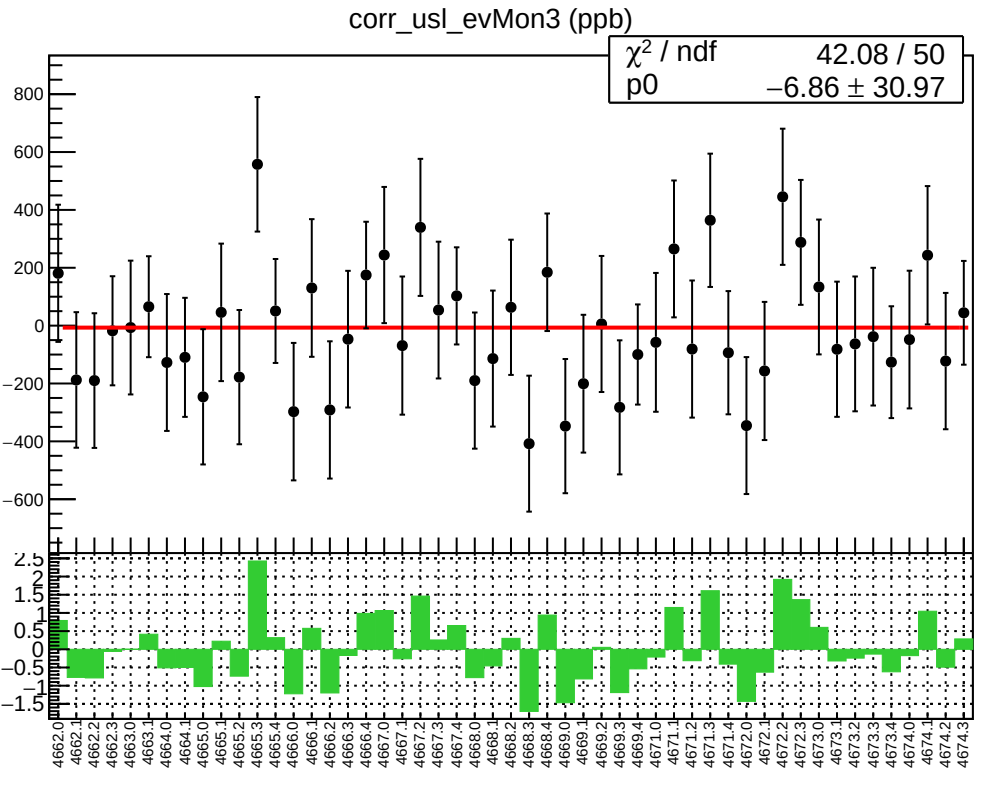

corr_usl_evMon1 (ppb)
χ² / ndf 15.99 / 50
p0 68.27 ± 82.58
1D pull distribution
Mean 0.0007688 ± 0.07841
Std Dev 0.5599 ± 0.05544
Underflow 0
Overflow 0
χ² / ndf 0.9301 / 3
Constant 18.33 ± 3.32
Mean 0.08093 ± 0.10597
Sigma 0.6102 ± 0.0898

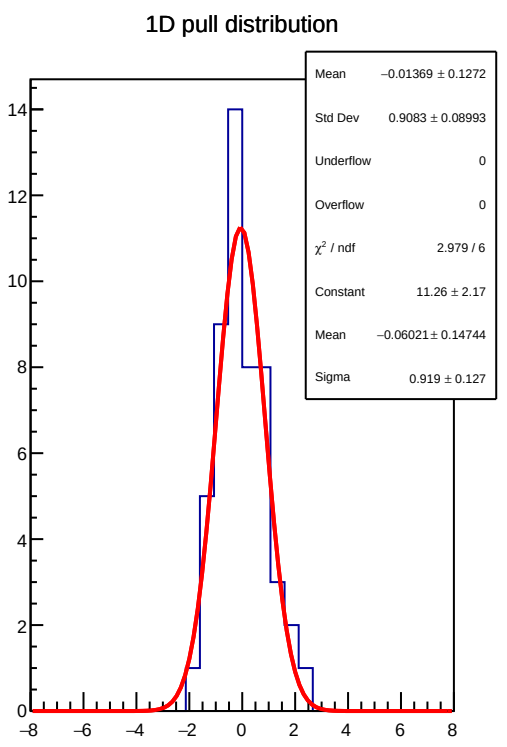

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
40
38
36
34
32
30
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

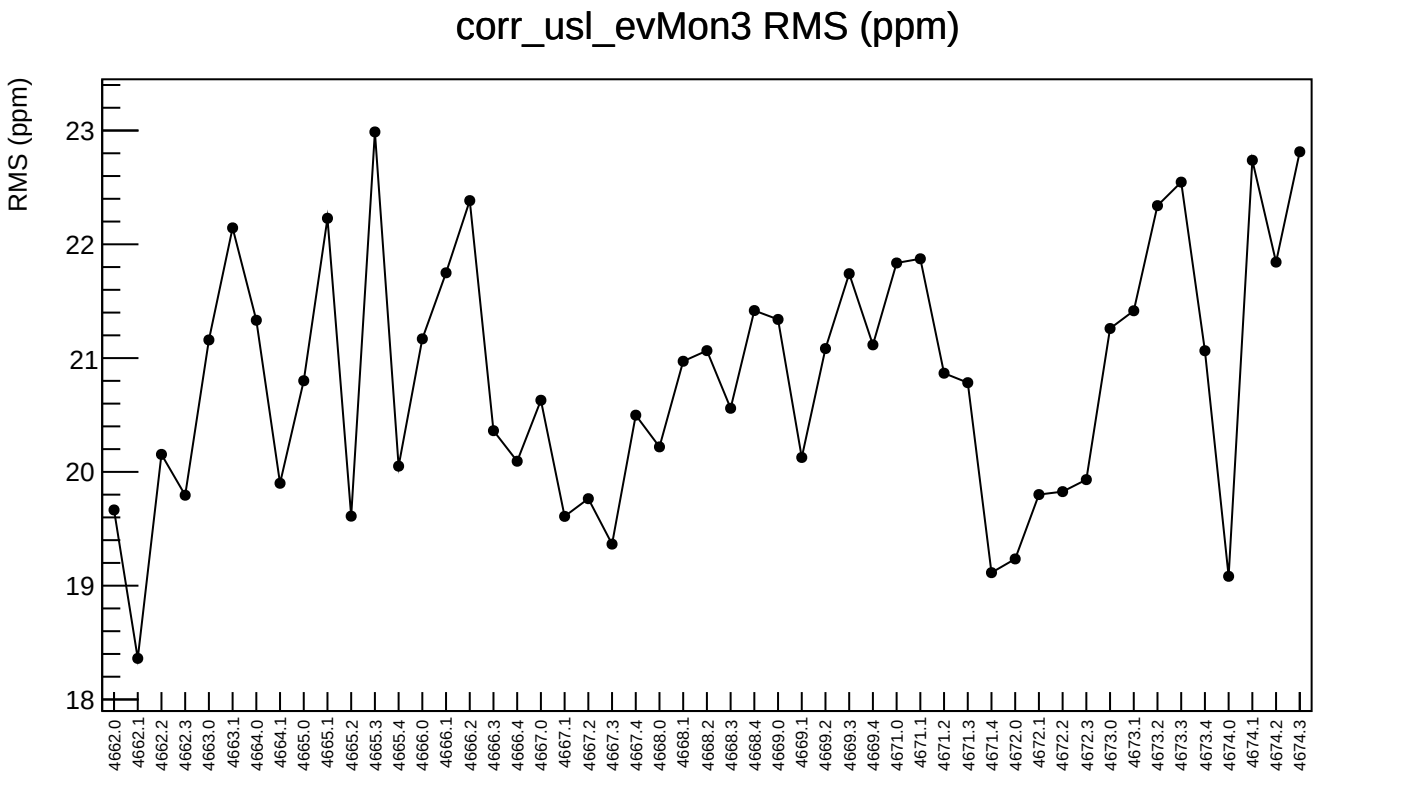

corr_usl_evMon2 (ppb)
χ² / ndf 95.26 / 50
p0 −648.5 ± 414
15000
10000
5000
0
−5000
−10000
−15000
4
3
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

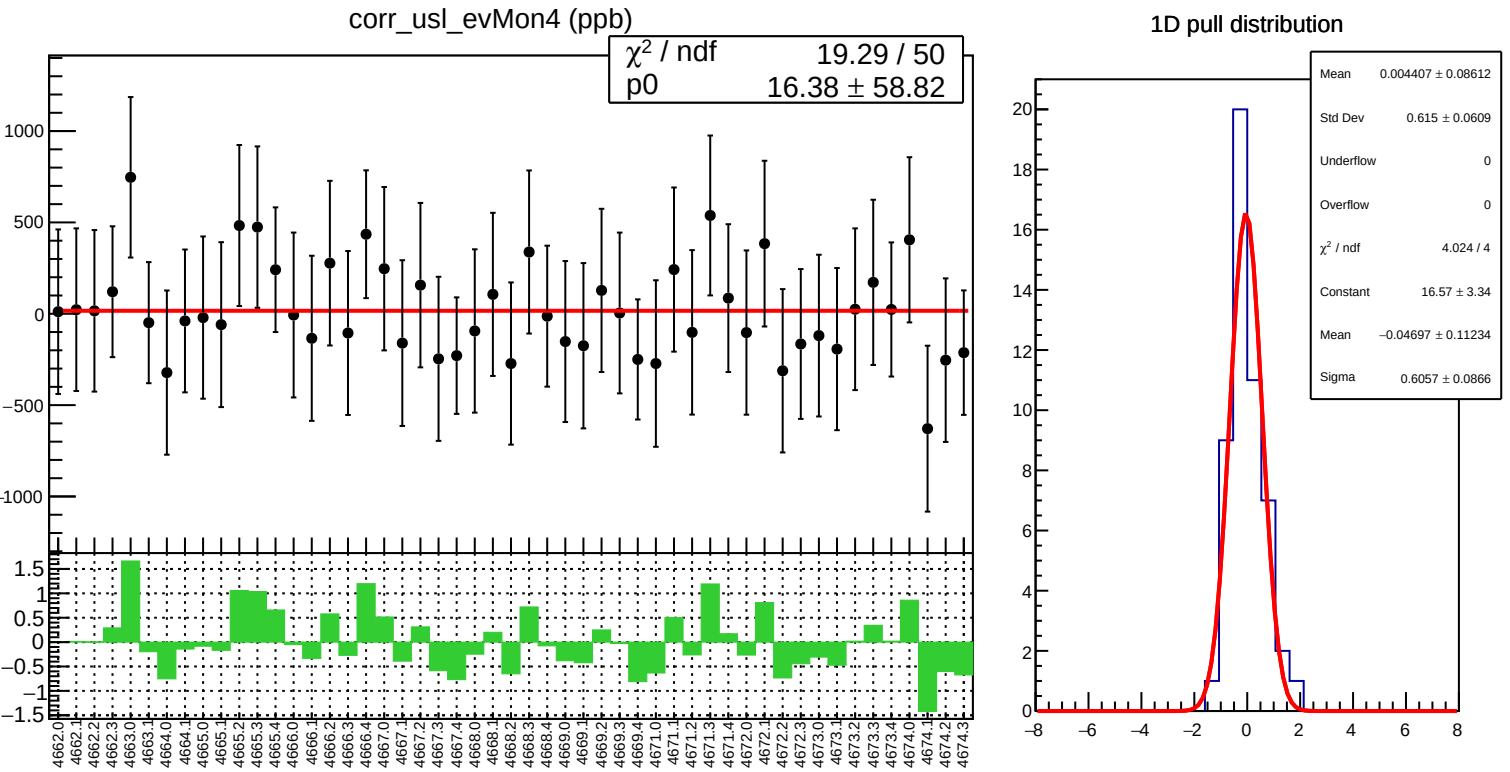

1D pull distribution
Mean −0.0007133 ± 0.1914
Std Dev 1.367 ± 0.1353
Underflow 0
Overflow 0
χ² / ndf 3.075 / 10
Constant 8.356 ± 1.630
Mean −0.06028 ± 0.19005
Sigma 1.241 ± 0.180
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


corr_usl_evMon2 RMS (ppm)
RMS (ppm)
550
500
450
400
350
300
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

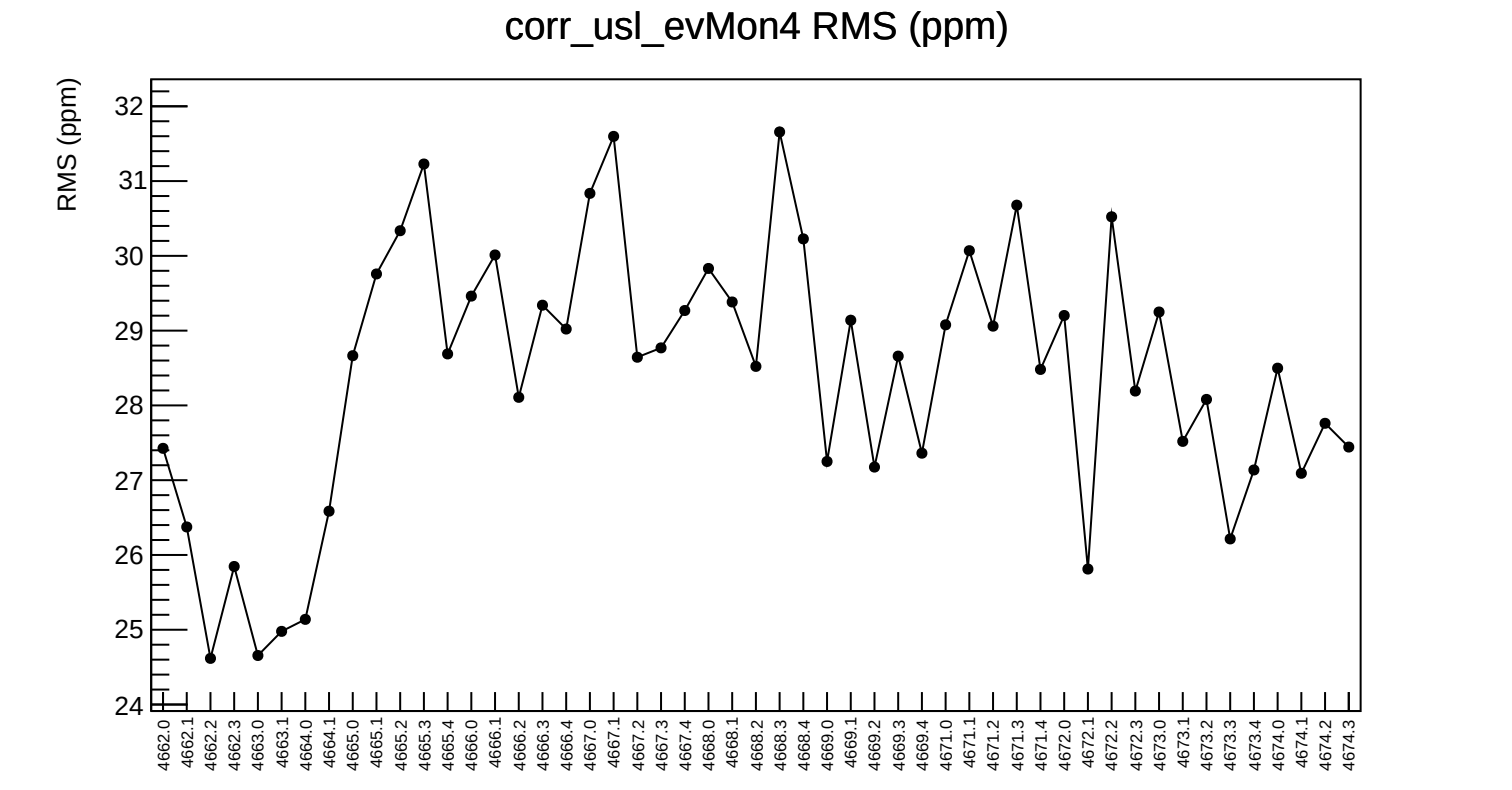

corr_usl_evMon3 (ppb)
χ² / ndf 42.08 / 50
p0 −6.86 ± 30.97

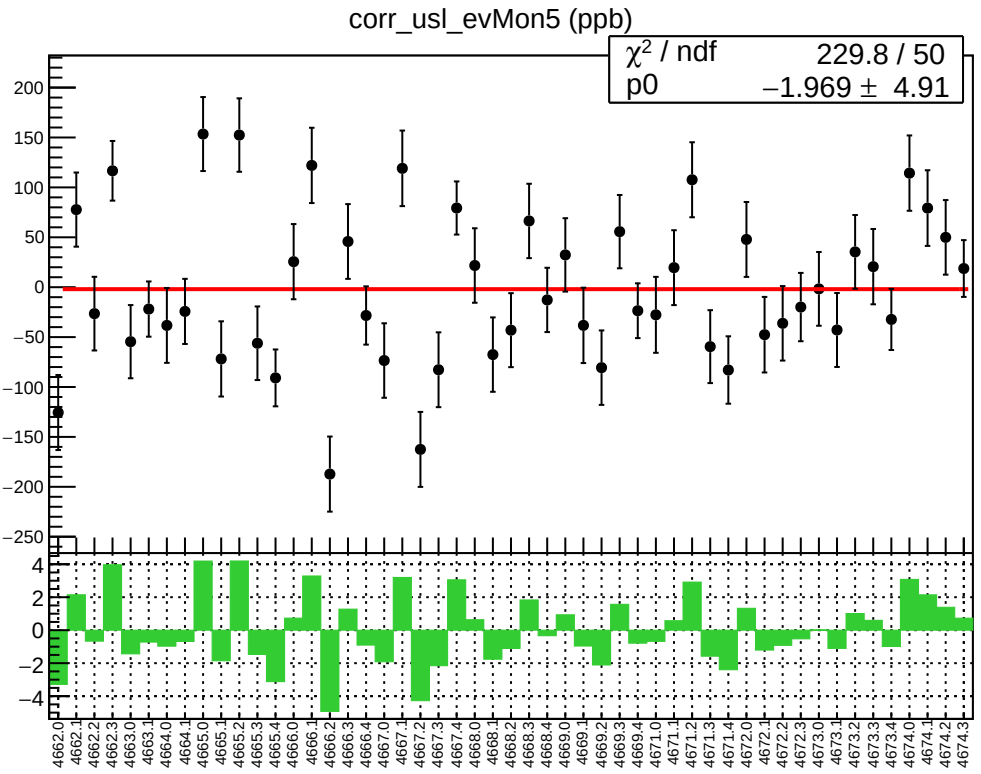

1D pull distribution
Mean −0.01369 ± 0.1272
Std Dev 0.9083 ± 0.08993
Underflow 0
Overflow 0
χ² / ndf 2.979 / 6
Constant 11.26 ± 2.17
Mean −0.06021 ± 0.14744
Sigma 0.919 ± 0.127

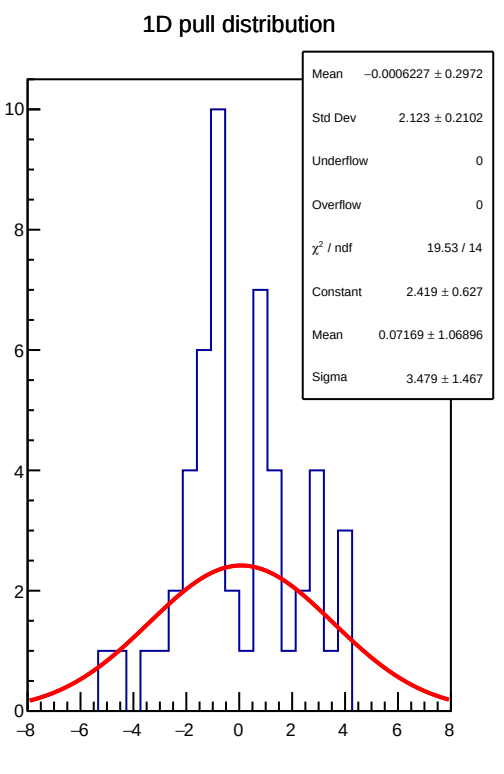

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
23
22
21
20
19
18
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

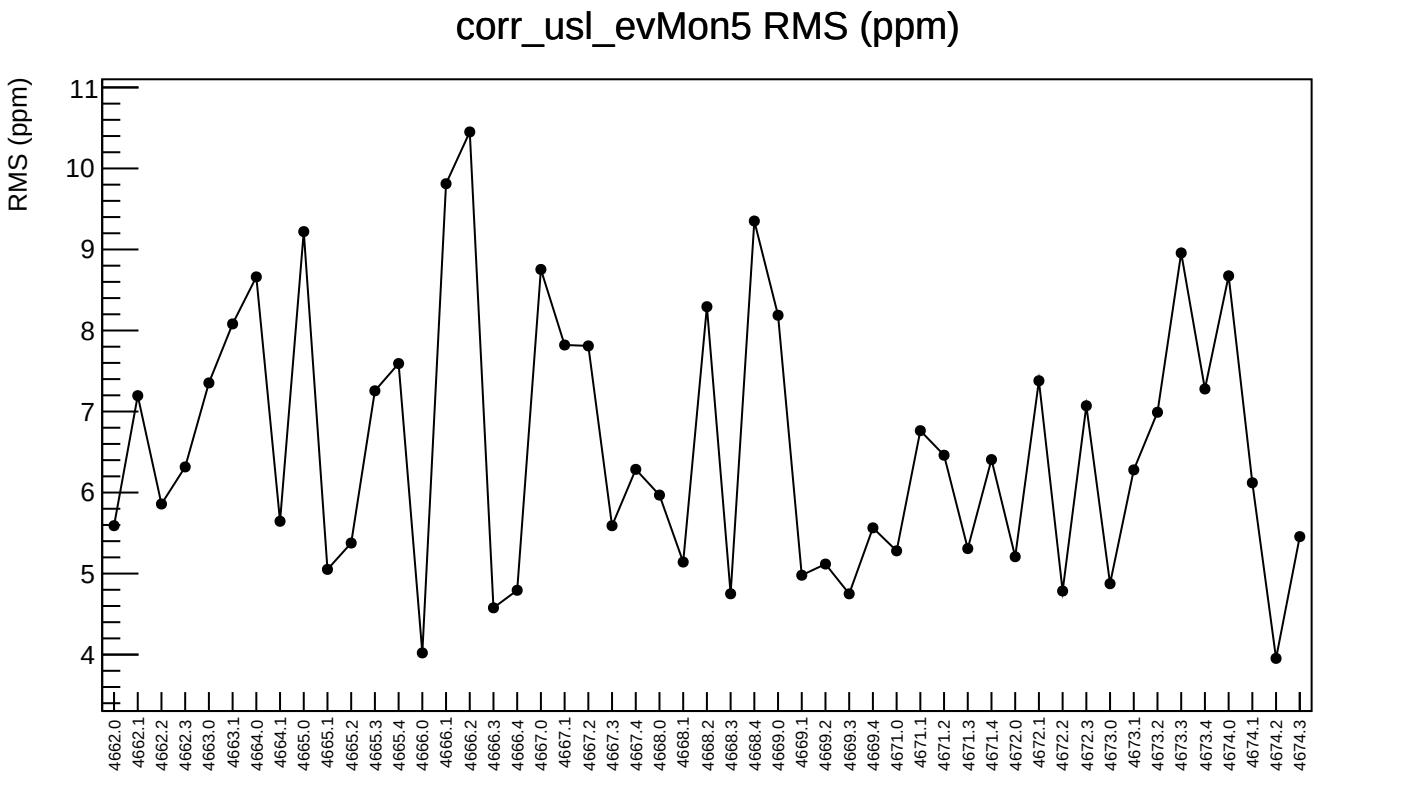

corr_usl_evMon4 (ppb)
χ² / ndf 19.29 / 50
p0 16.38 ± 58.82
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

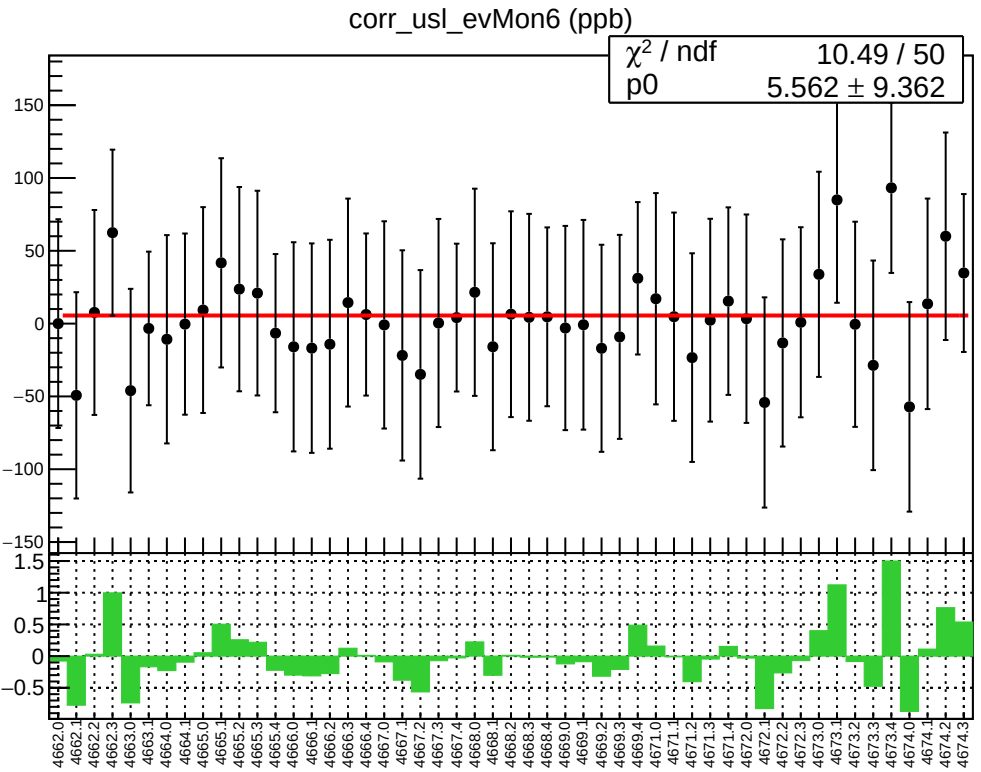

1D pull distribution
Mean 0.004407 ± 0.08612
Std Dev 0.615 ± 0.0609
Underflow 0
Overflow 0
χ² / ndf 4.024 / 4
Constant 16.57 ± 3.34
Mean −0.04697 ± 0.11234
Sigma 0.6057 ± 0.0866
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

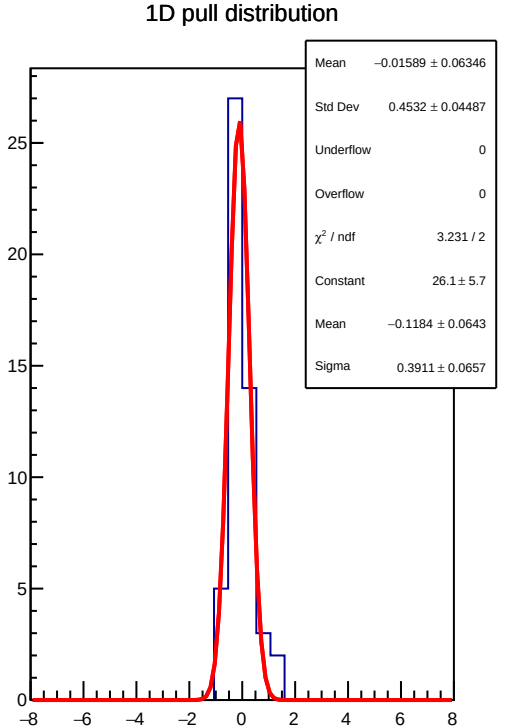

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
32
31
30
29
28
27
26
25
24
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

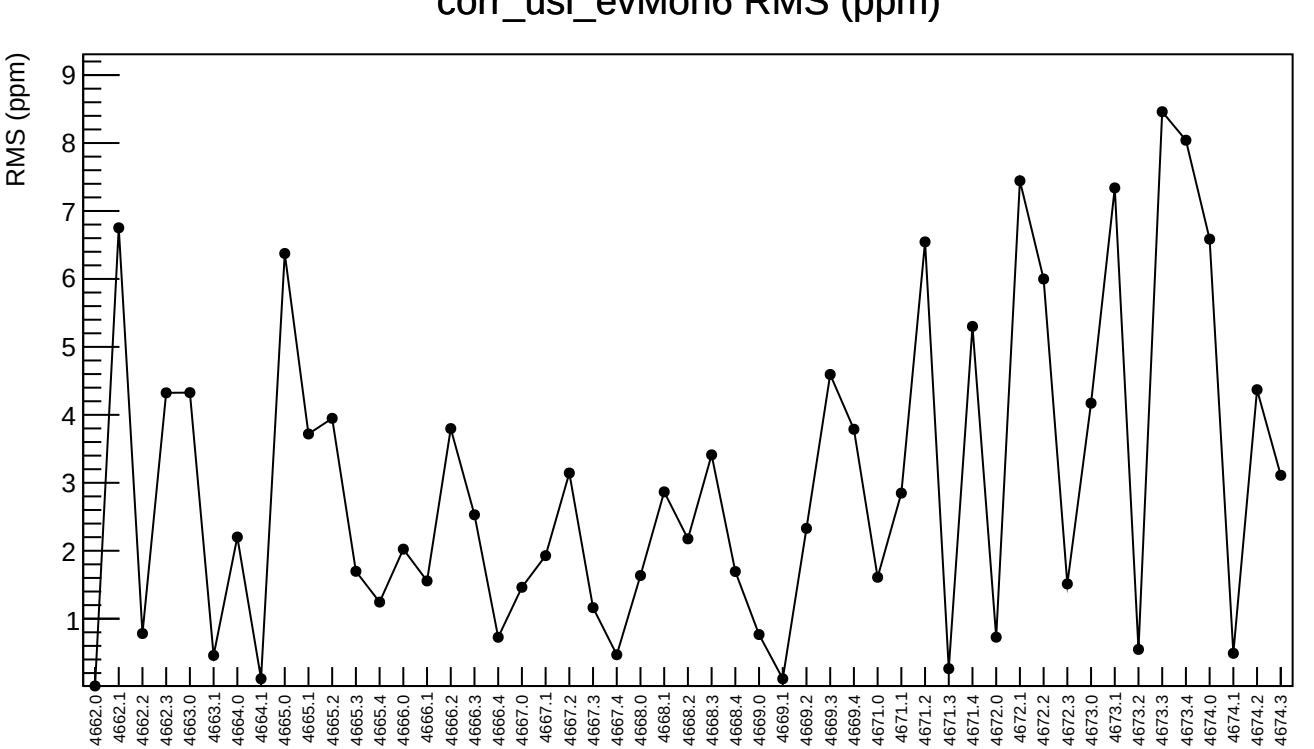

corr_usl_evMon5 (ppb)
χ² / ndf 229.8 / 50
p0 −1.969 ± 4.91

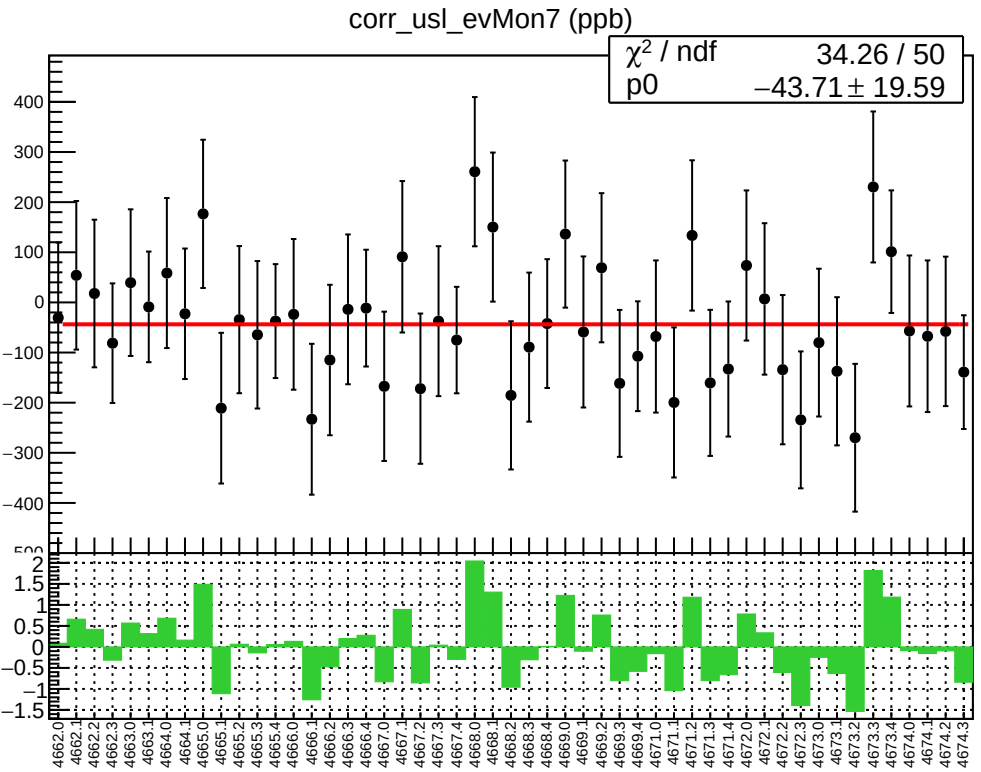

1D pull distribution
Mean −0.0006227 ± 0.2972
Std Dev 2.123 ± 0.2102
Underflow 0
Overflow 0
χ² / ndf 19.53 / 14
Constant 2.419 ± 0.627
Mean 0.07169 ± 1.06896
Sigma 3.479 ± 1.467

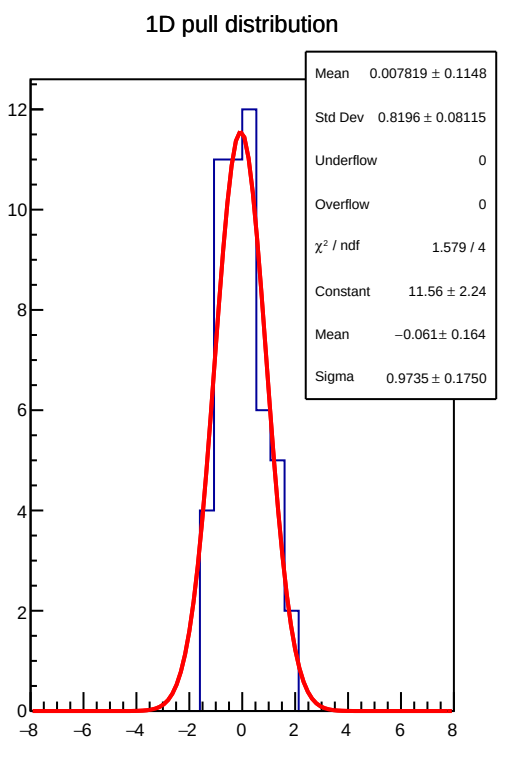

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

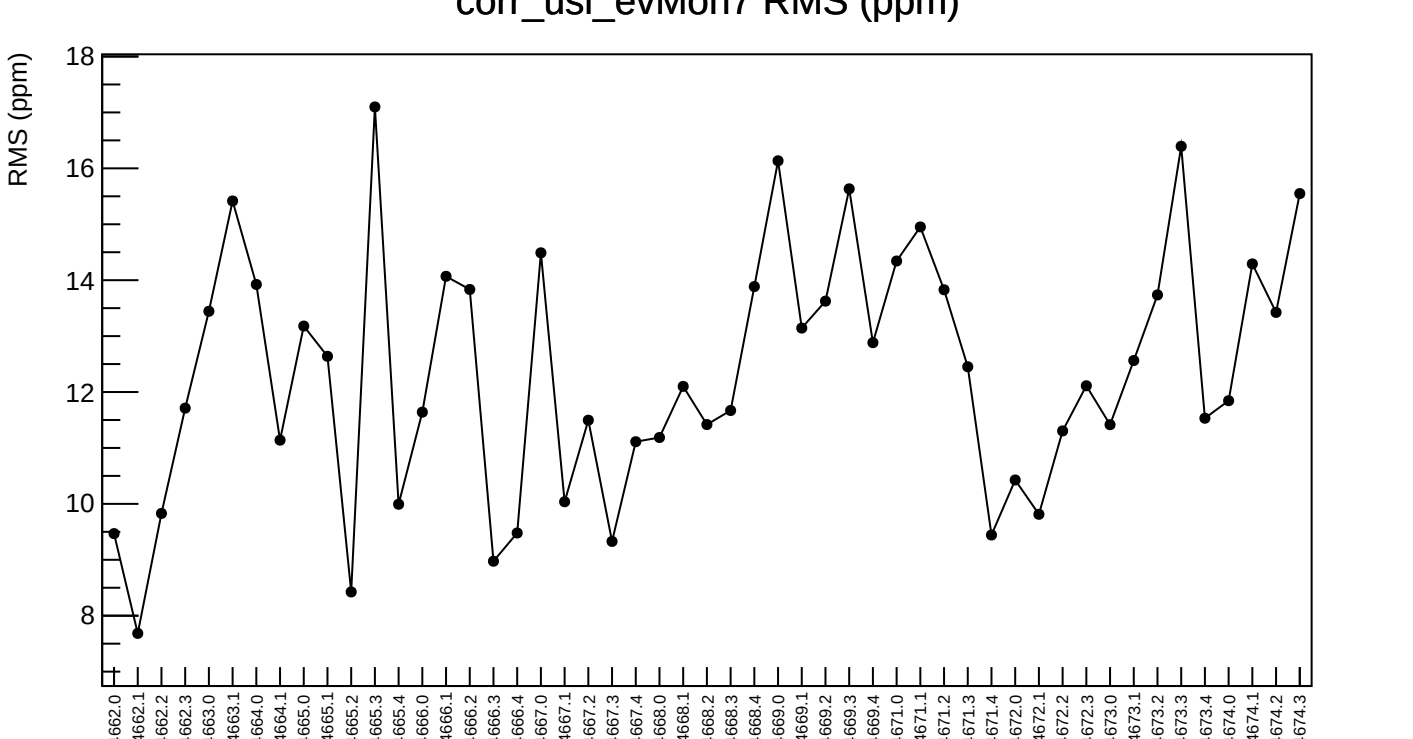

corr_usl_evMon6 (ppb)
χ² / ndf 10.49 / 50
p0 5.562 ± 9.362
150
100
50
0
−50
−100
−150
1.5
1
0.5
0
−0.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

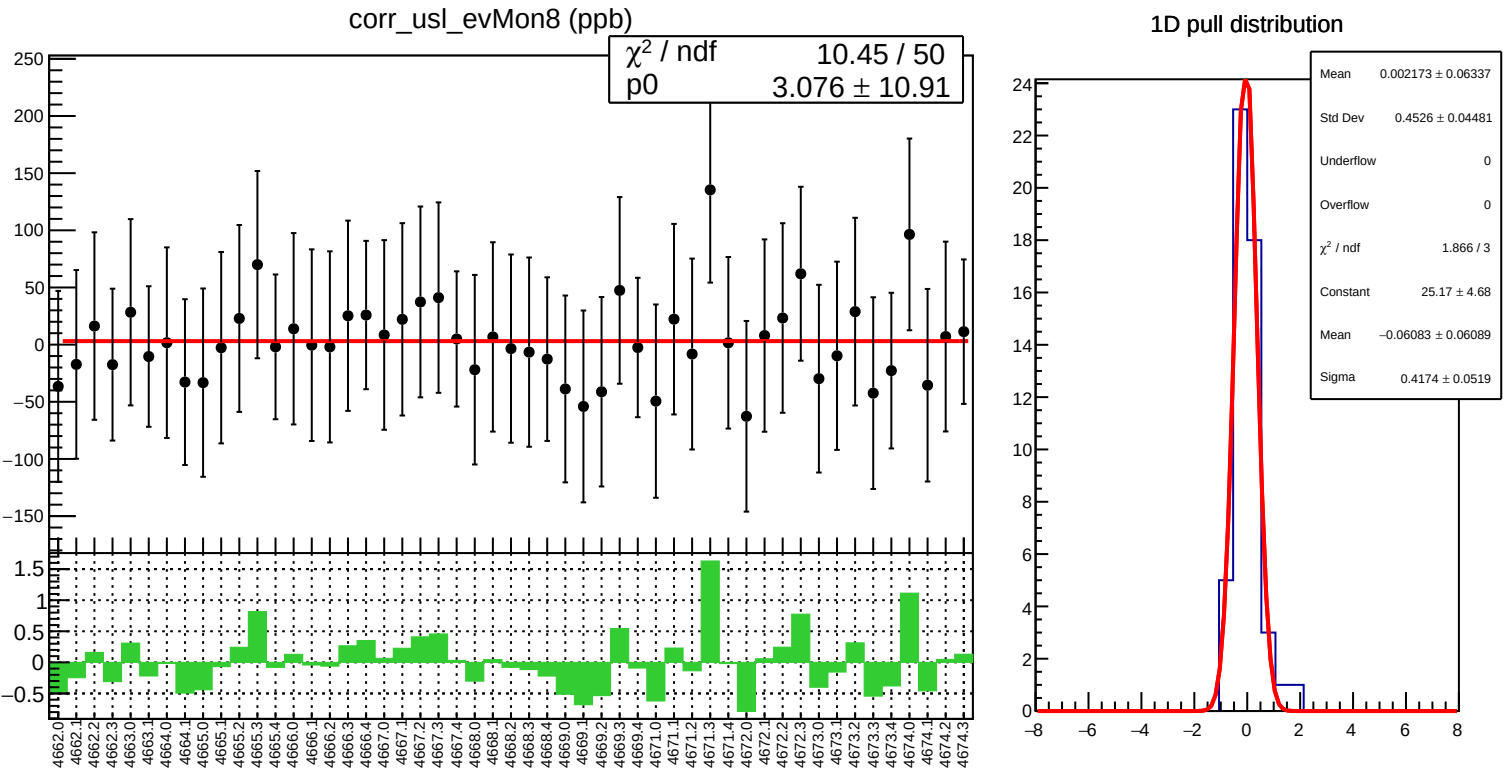

1D pull distribution
Mean −0.01589 ± 0.06346
Std Dev 0.4532 ± 0.04487
Underflow 0
Overflow 0
χ² / ndf 3.231 / 2
Constant 26.1 ± 5.7
Mean −0.1184 ± 0.0643
Sigma 0.3911 ± 0.0657
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

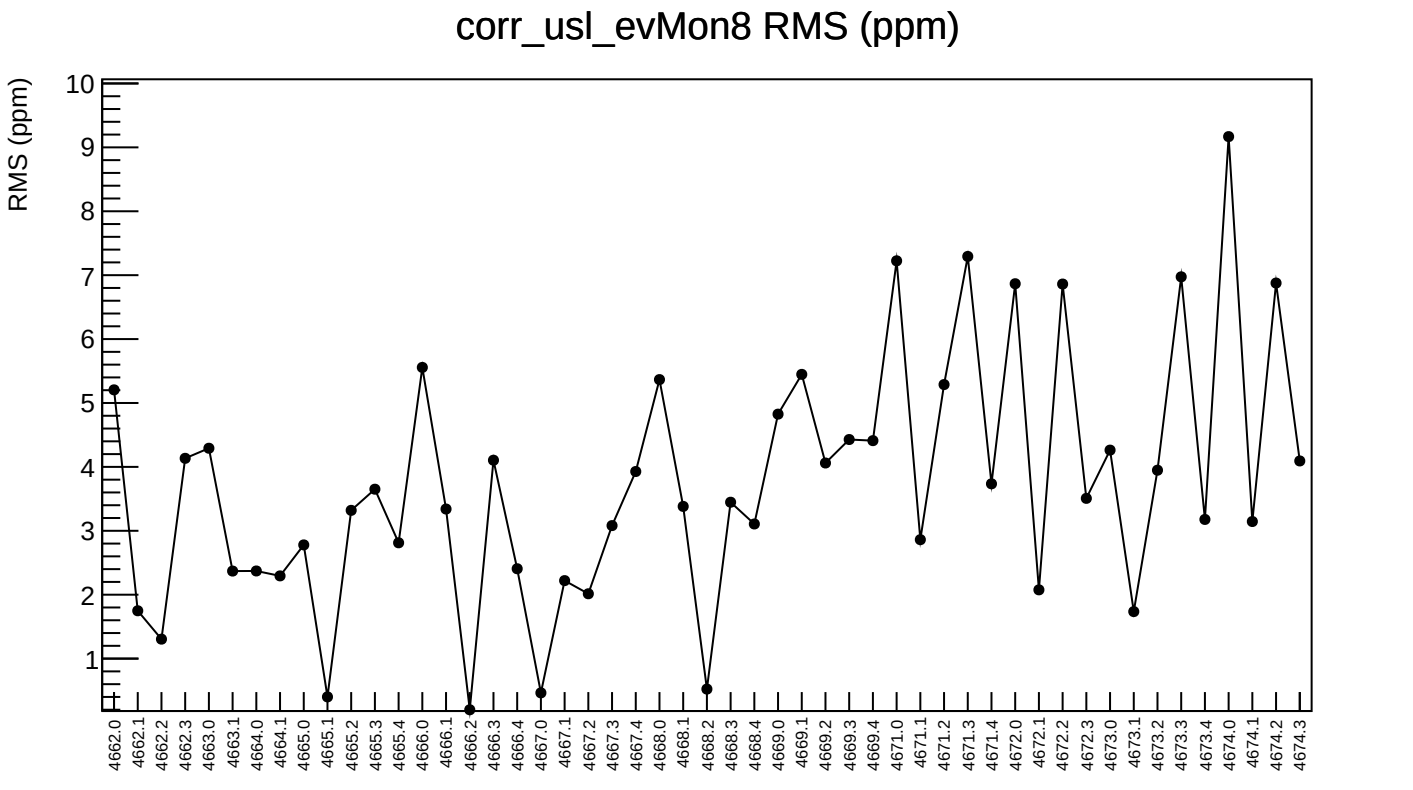

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
9
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

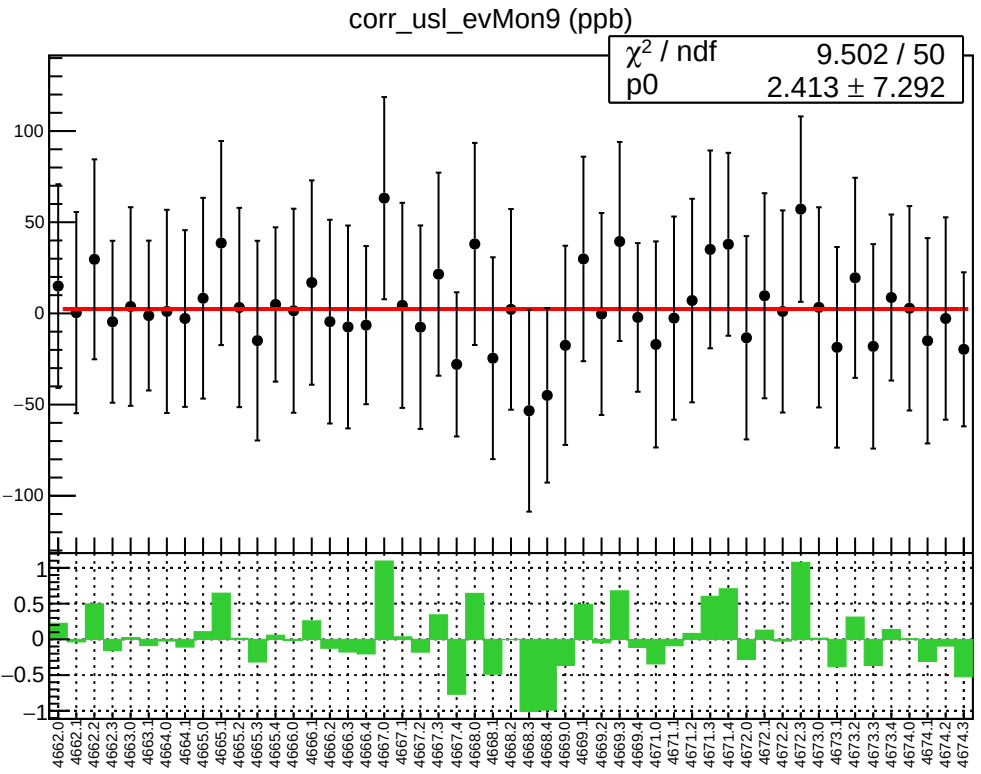

corr_usl_evMon7 (ppb)
χ² / ndf 34.26 / 50
p0 −43.71 ± 19.59

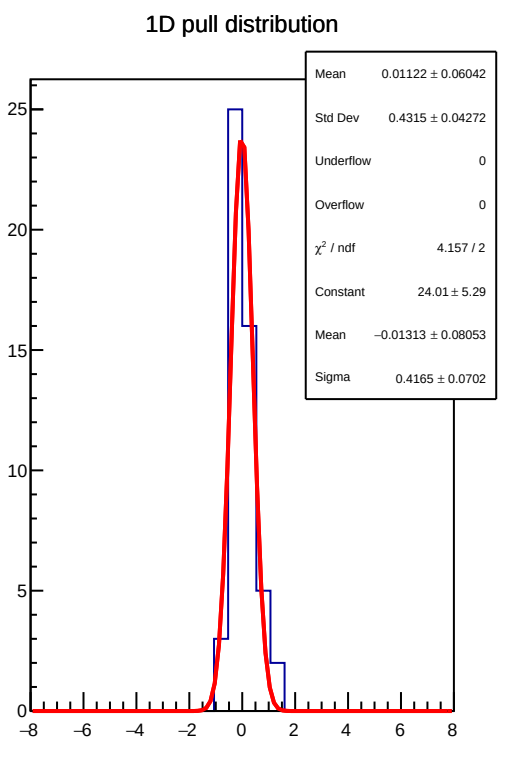

1D pull distribution
Mean 0.007819 ± 0.1148
Std Dev 0.8196 ± 0.08115
Underflow 0
Overflow 0
χ² / ndf 1.579 / 4
Constant 11.56 ± 2.24
Mean −0.061 ± 0.164
Sigma 0.9735 ± 0.1750

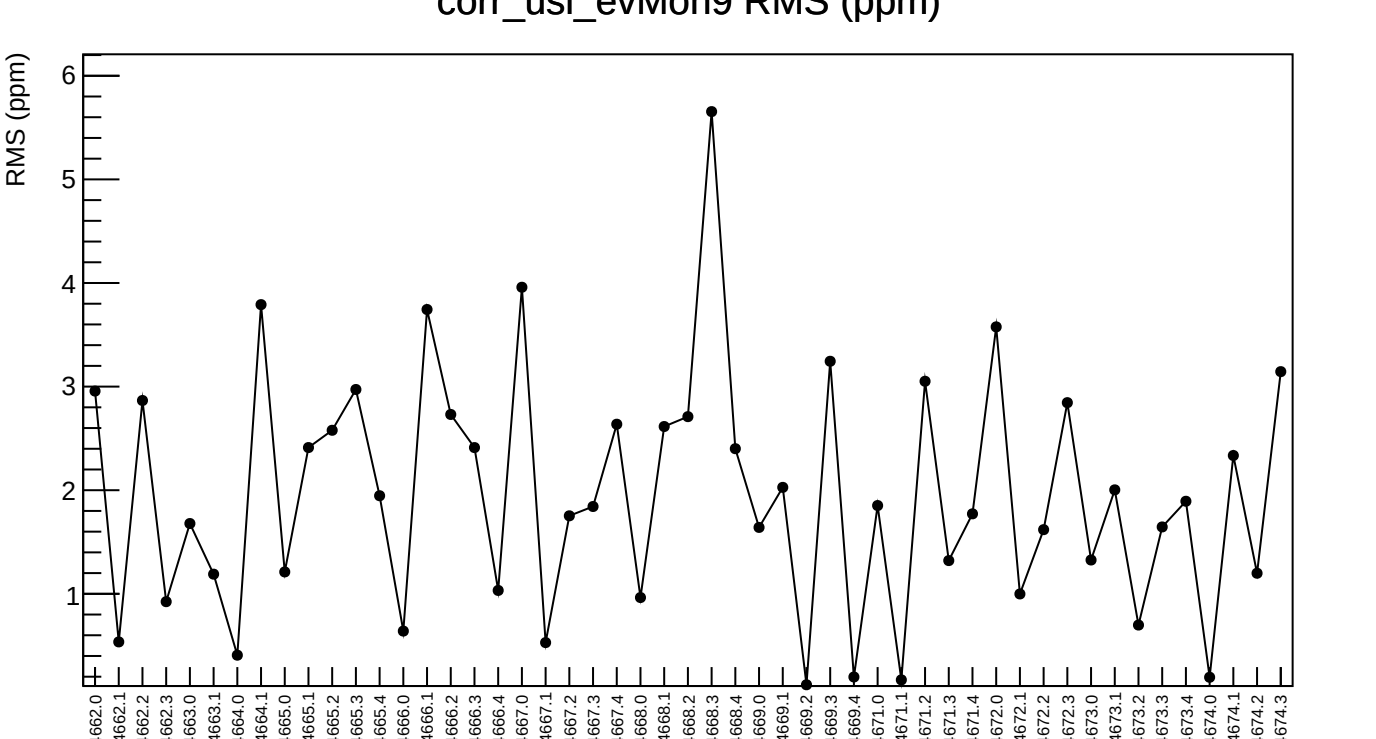

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
18
16
14
12
10
8
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

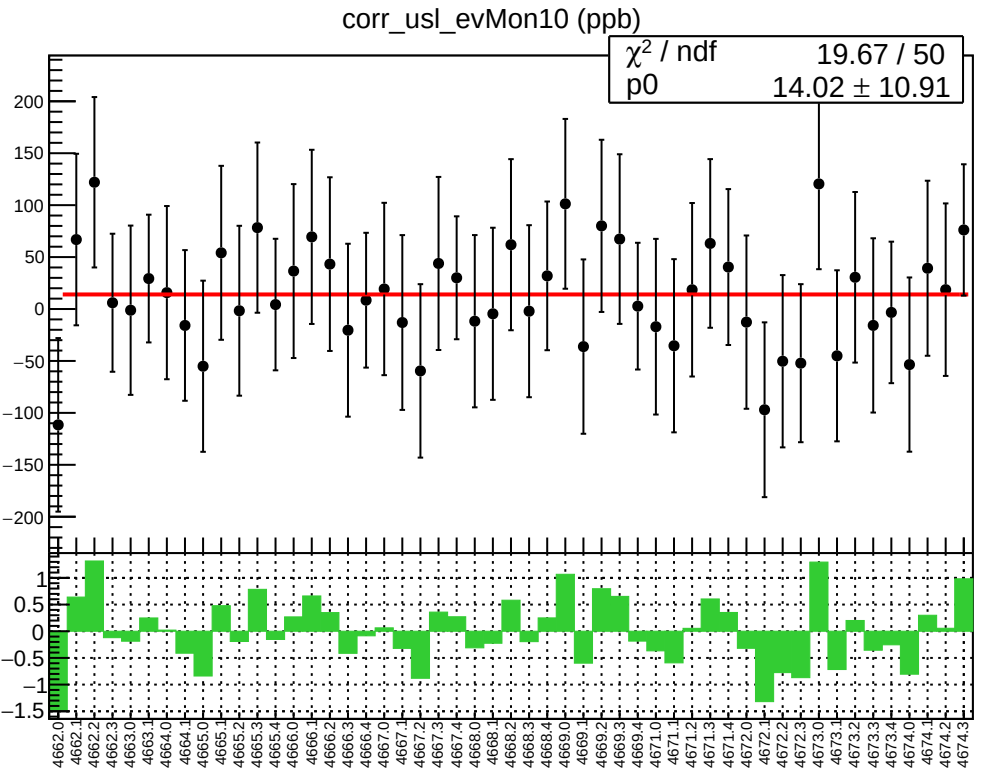

corr_usl_evMon8 (ppb)
χ² / ndf 10.45 / 50
p0 3.076 ± 10.91
1D pull distribution
Mean 0.002173 ± 0.06337
Std Dev 0.4526 ± 0.04481
Underflow 0
Overflow 0
χ² / ndf 1.866 / 3
Constant 25.17 ± 4.68
Mean −0.06083 ± 0.06089
Sigma 0.4174 ± 0.0519

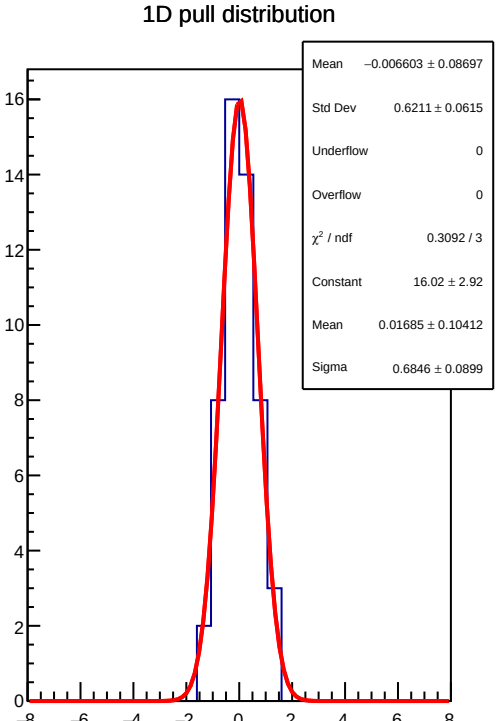

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

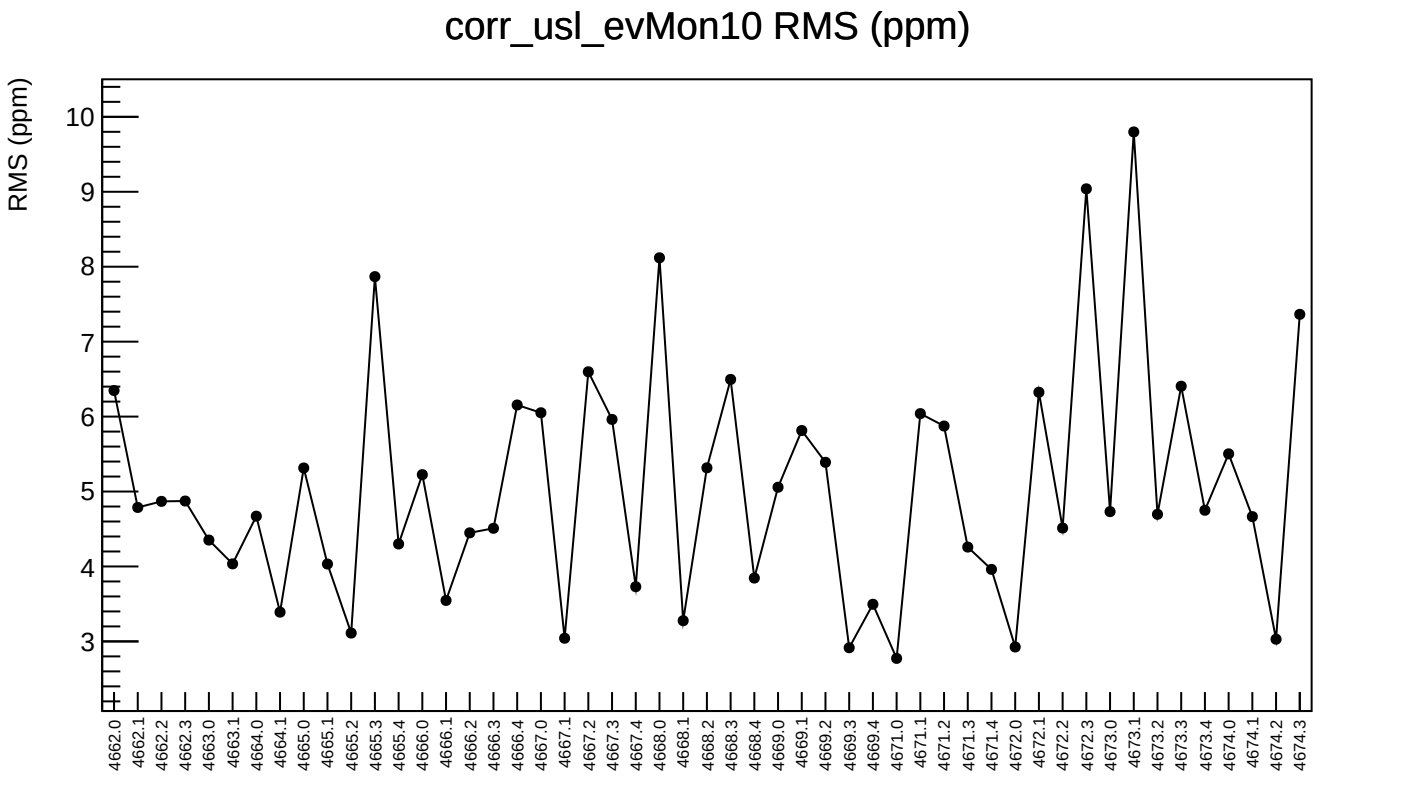

corr_usl_evMon9 (ppb)
χ² / ndf 9.502 / 50
p0 2.413 ± 7.292
100
50
0
−50
−100
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

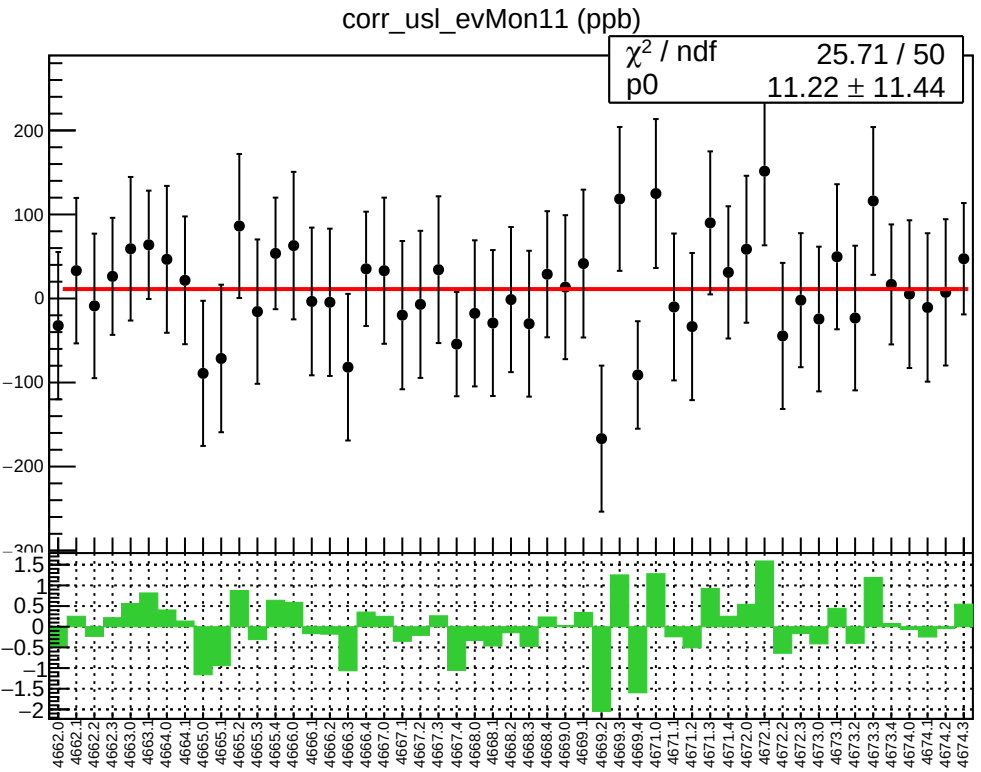

1D pull distribution
Mean 0.01122 ± 0.06042
Std Dev 0.4315 ± 0.04272
Underflow 0
Overflow 0
χ² / ndf 4.157 / 2
Constant 24.01 ± 5.29
Mean −0.01313 ± 0.08053
Sigma 0.4165 ± 0.0702
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

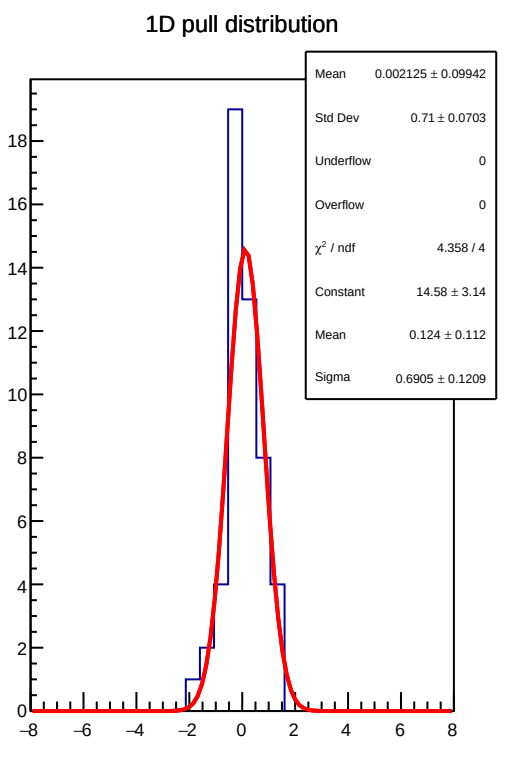

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

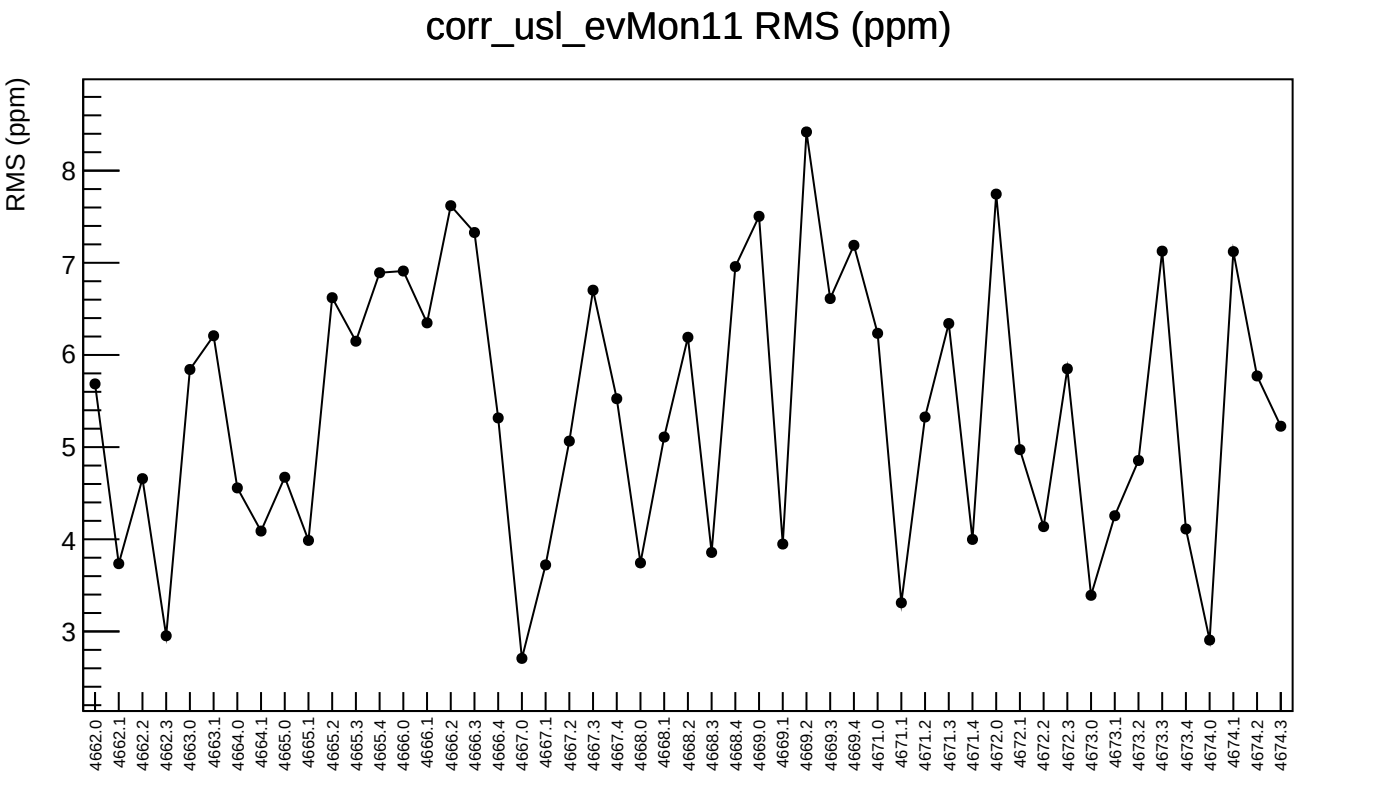

corr_usl_evMon10 (ppb)
χ² / ndf 19.67 / 50
p0 14.02 ± 10.91
200
150
100
50
0
−50
−100
−150
−200
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

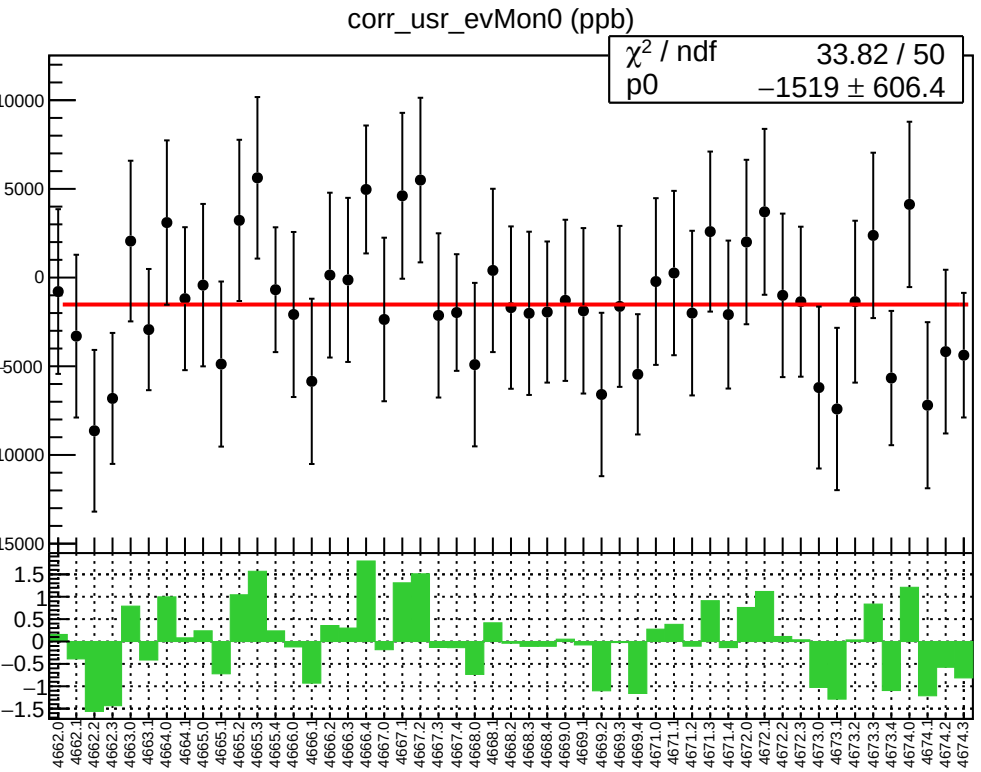

1D pull distribution
Mean −0.006603 ± 0.08697
Std Dev 0.6211 ± 0.0615
Underflow 0
Overflow 0
χ² / ndf 0.3092 / 3
Constant 16.02 ± 2.92
Mean 0.01685 ± 0.10412
Sigma 0.6846 ± 0.0899
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

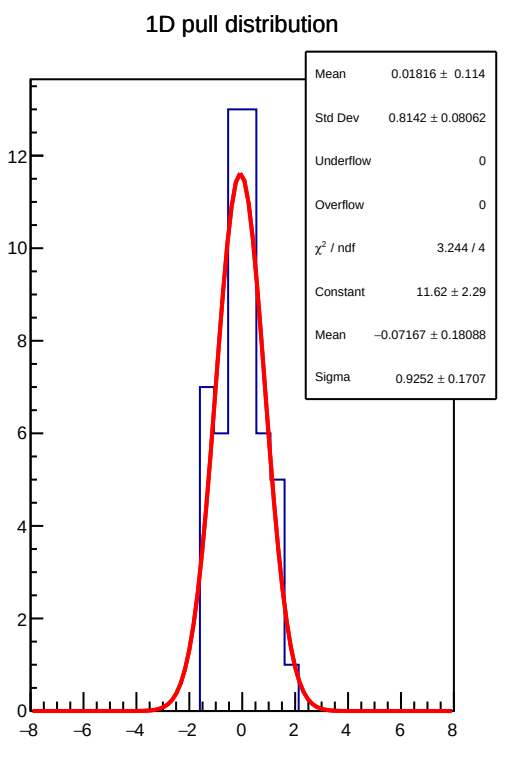

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

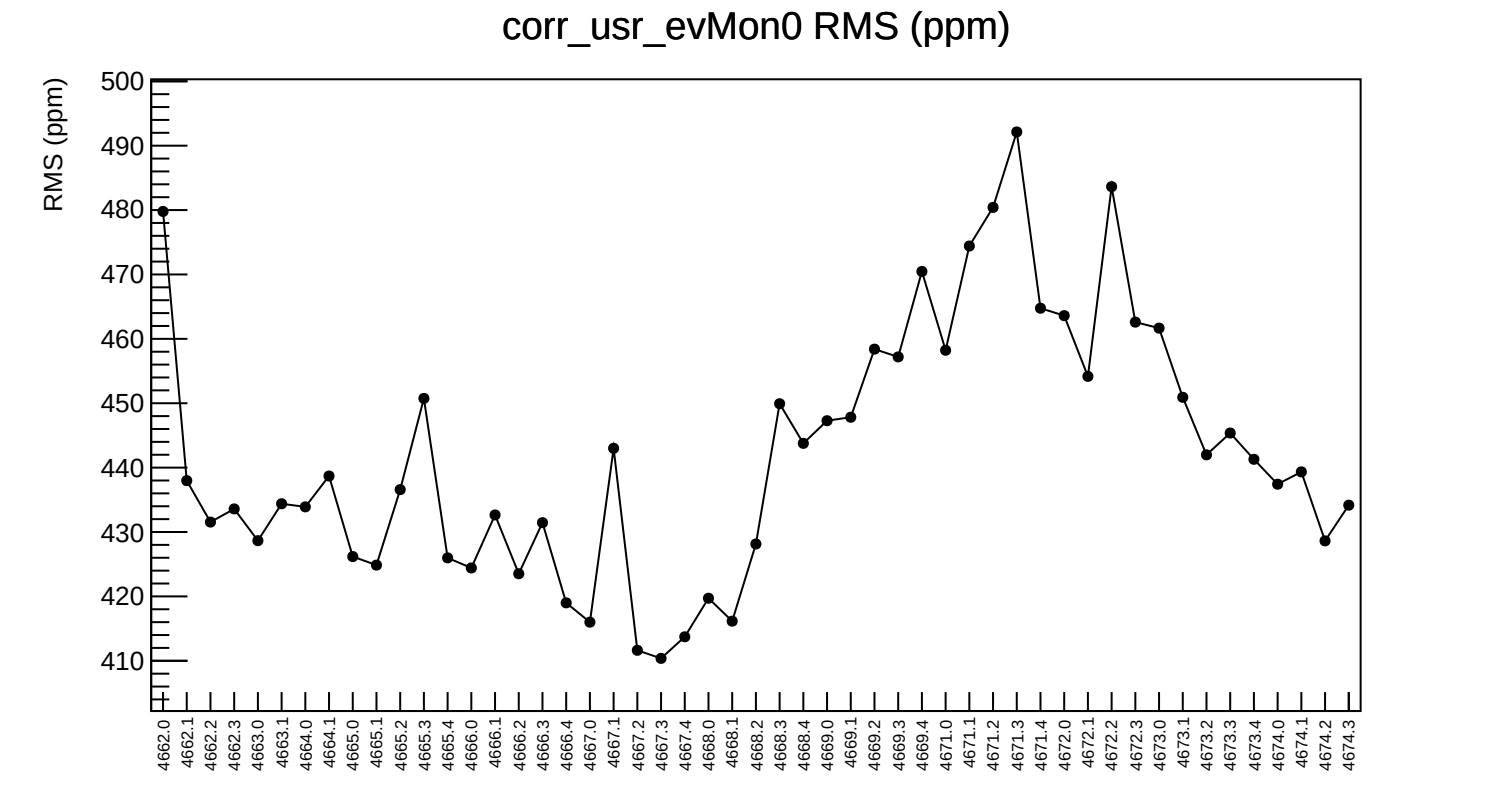

corr_usl_evMon11 (ppb)
χ² / ndf 25.71 / 50
p0 11.22 ± 11.44
200
100
0
−100
−200
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

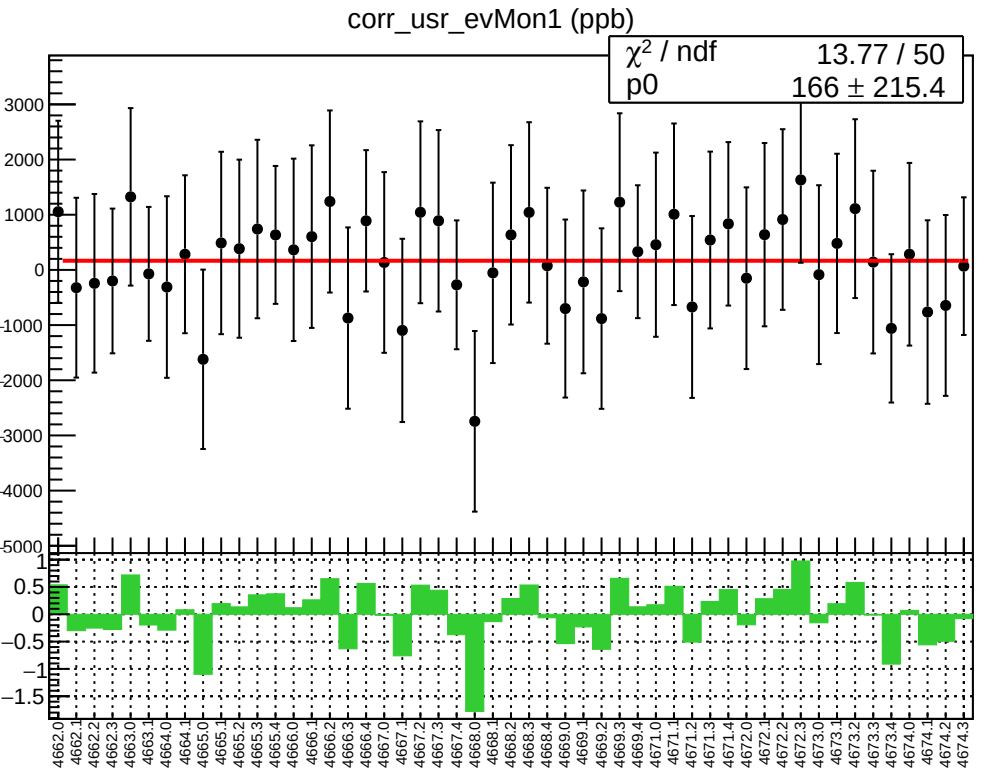

1D pull distribution
Mean 0.002125 ± 0.09942
Std Dev 0.71 ± 0.0703
Underflow 0
Overflow 0
χ² / ndf 4.358 / 4
Constant 14.58 ± 3.14
Mean 0.124 ± 0.112
Sigma 0.6905 ± 0.1209
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

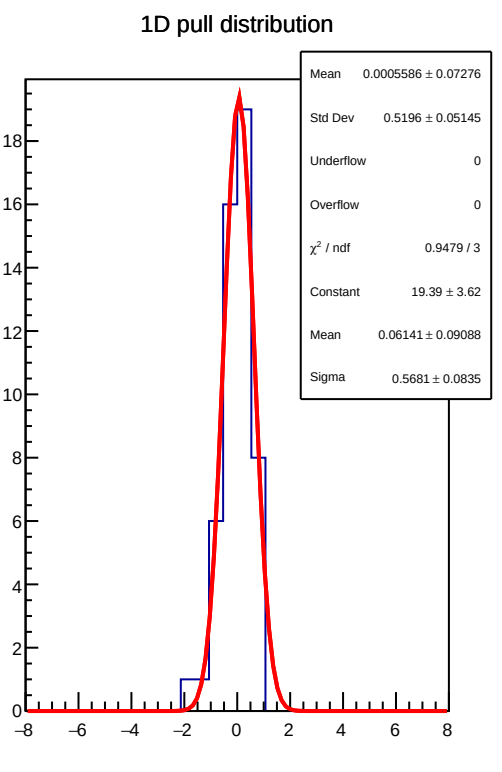

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
3
4
5
6
7
8
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

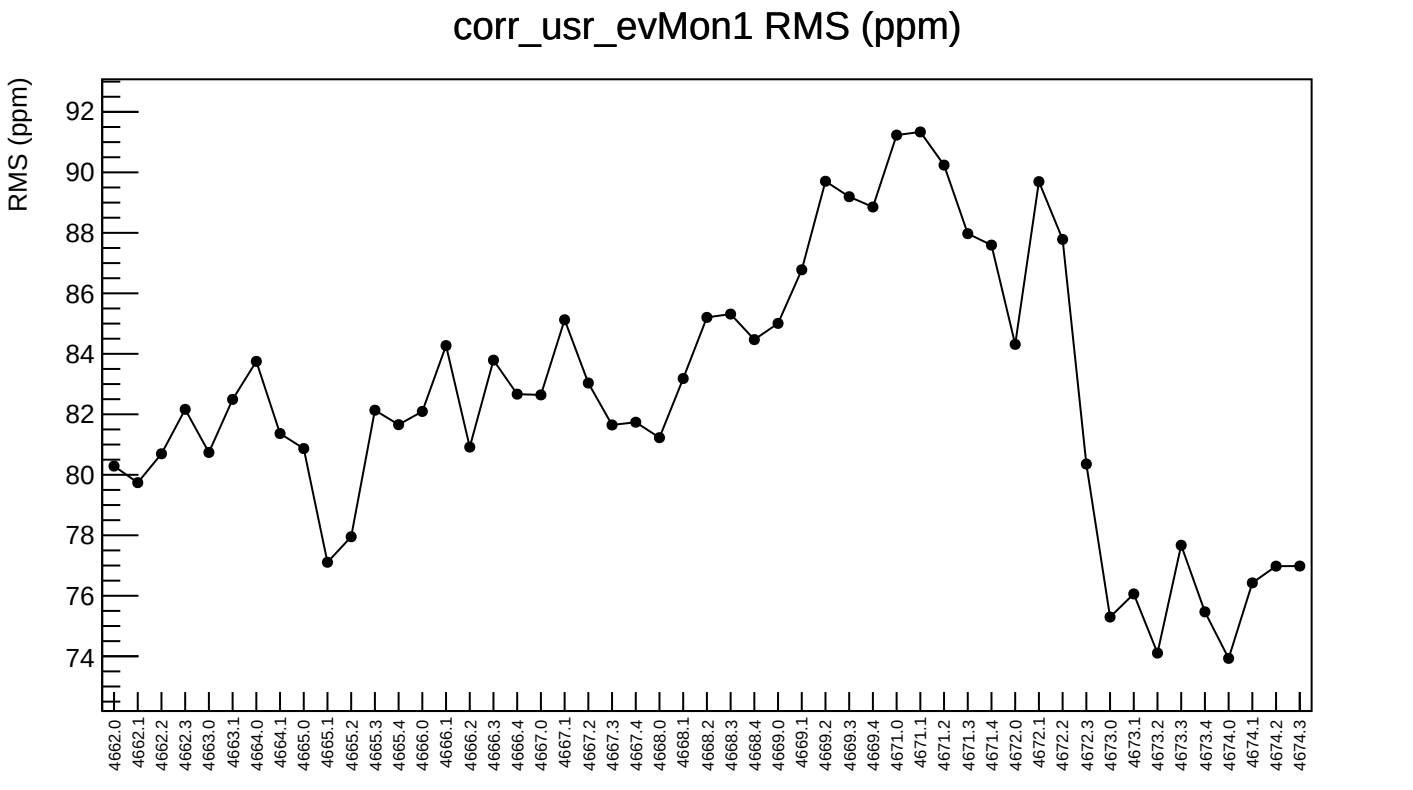

corr_usr_evMon0 (ppb)
χ² / ndf 33.82 / 50
p0 −1519 ± 606.4
10000
5000
0
−5000
−10000
−15000
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

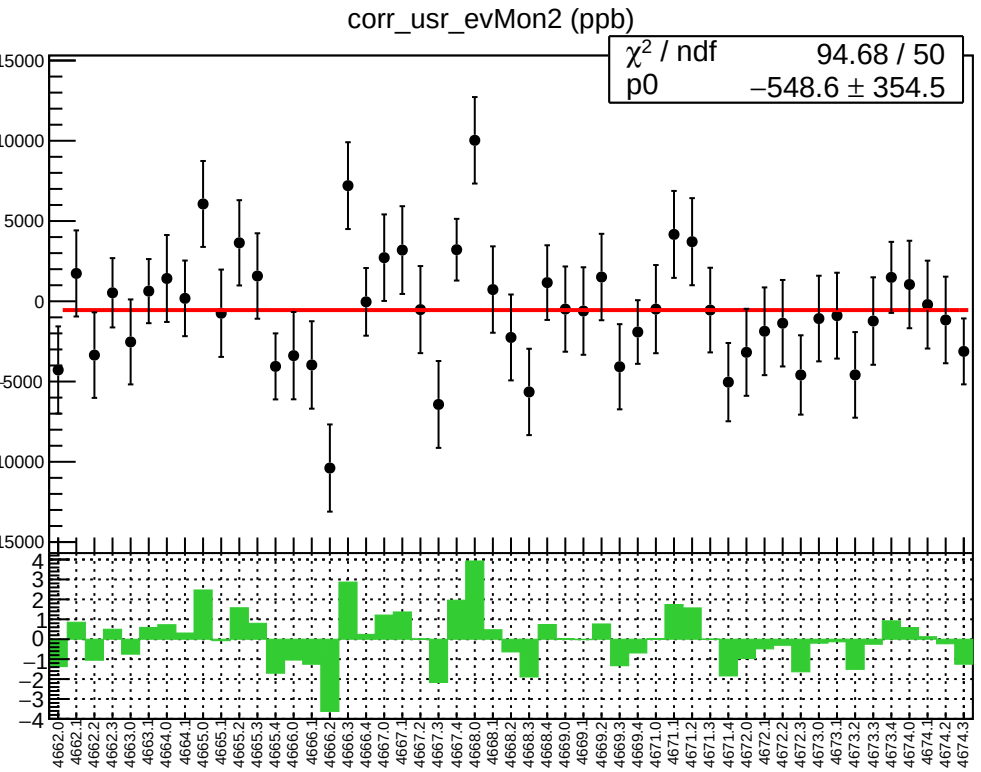

1D pull distribution
Mean 0.01816 ± 0.114
Std Dev 0.8142 ± 0.08062
Underflow 0
Overflow 0
χ² / ndf 3.244 / 4
Constant 11.62 ± 2.29
Mean −0.07167 ± 0.18088
Sigma 0.9252 ± 0.1707
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

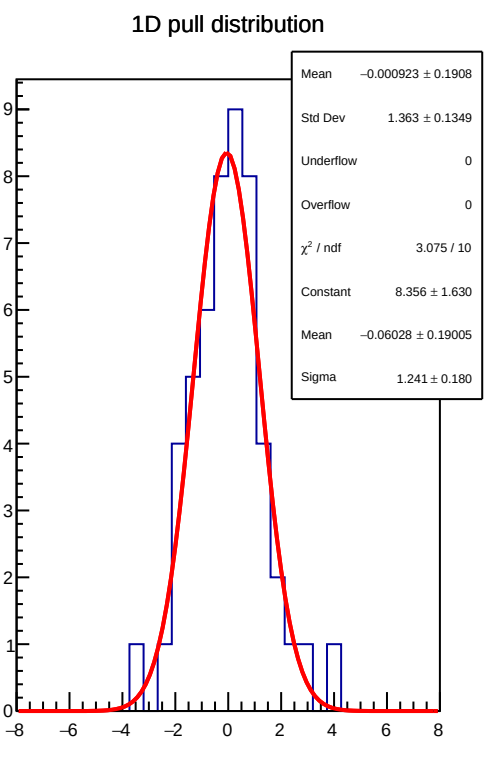

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
500
490
480
470
460
450
440
430
420
410
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

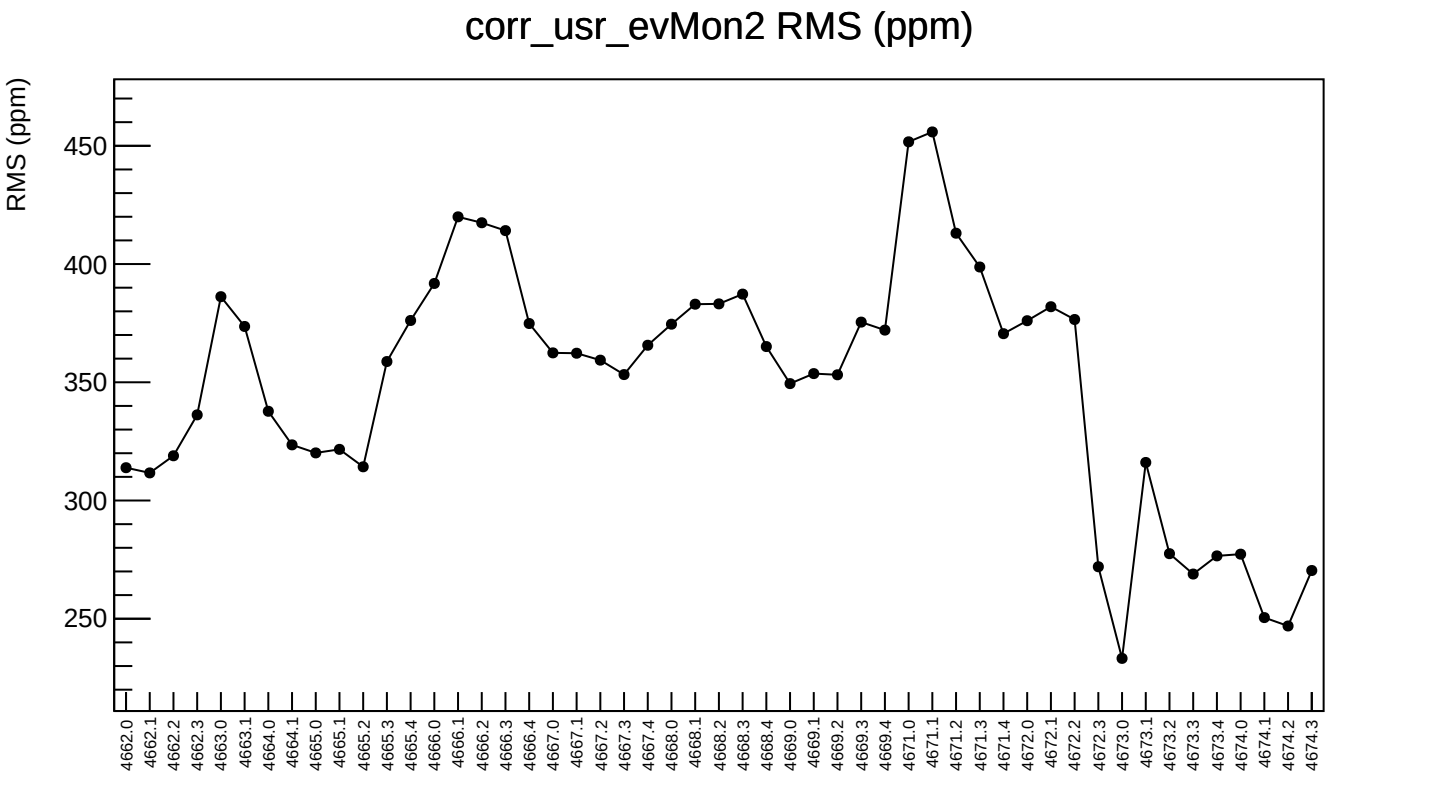

corr_usr_evMon1 (ppb)
χ² / ndf 13.77 / 50
p0 166 ± 215.4
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

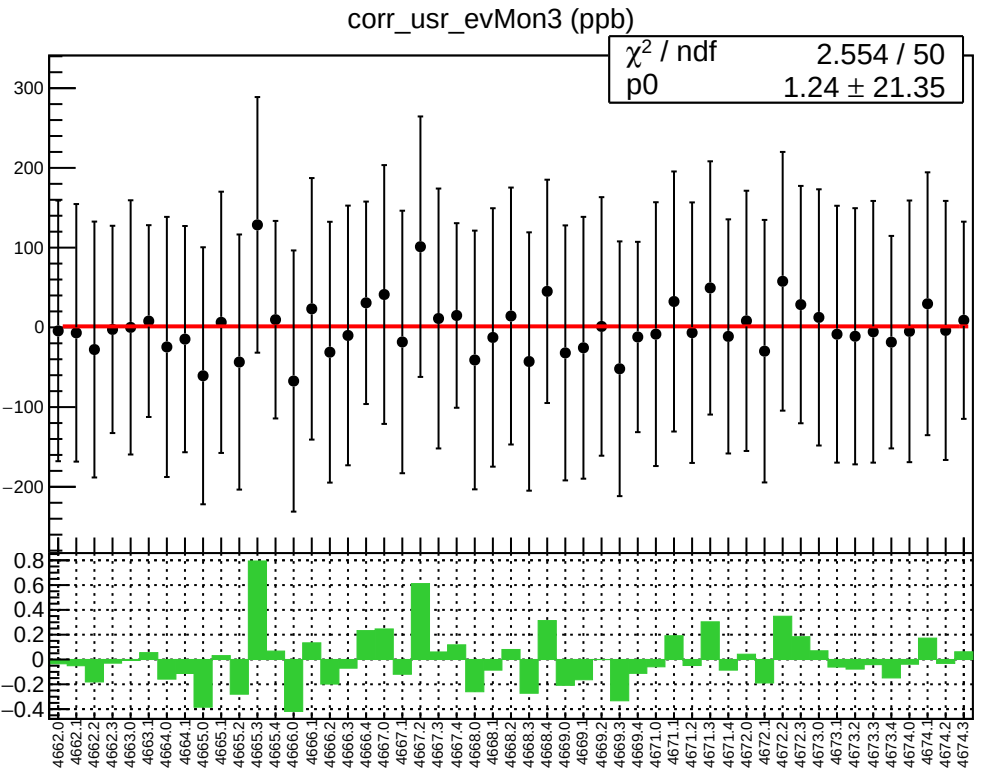

1D pull distribution
Mean 0.0005586 ± 0.07276
Std Dev 0.5196 ± 0.05145
Underflow 0
Overflow 0
χ² / ndf 0.9479 / 3
Constant 19.39 ± 3.62
Mean 0.06141 ± 0.09088
Sigma 0.5681 ± 0.0835
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

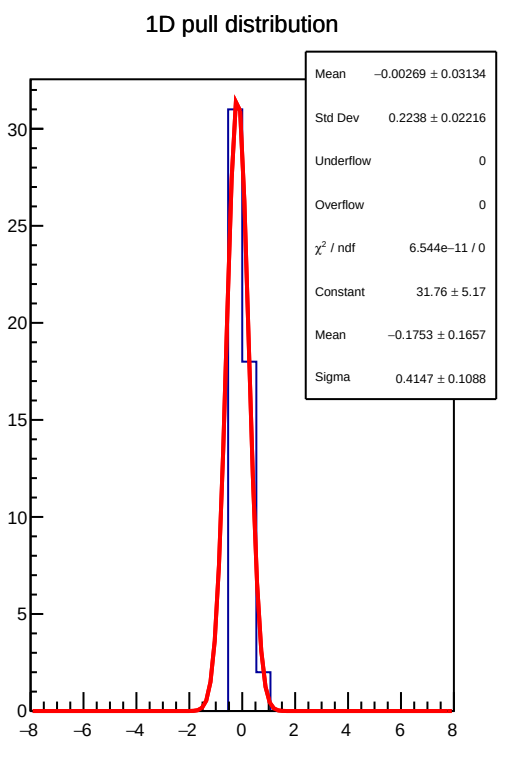

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
92
90
88
86
84
82
80
78
76
74
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

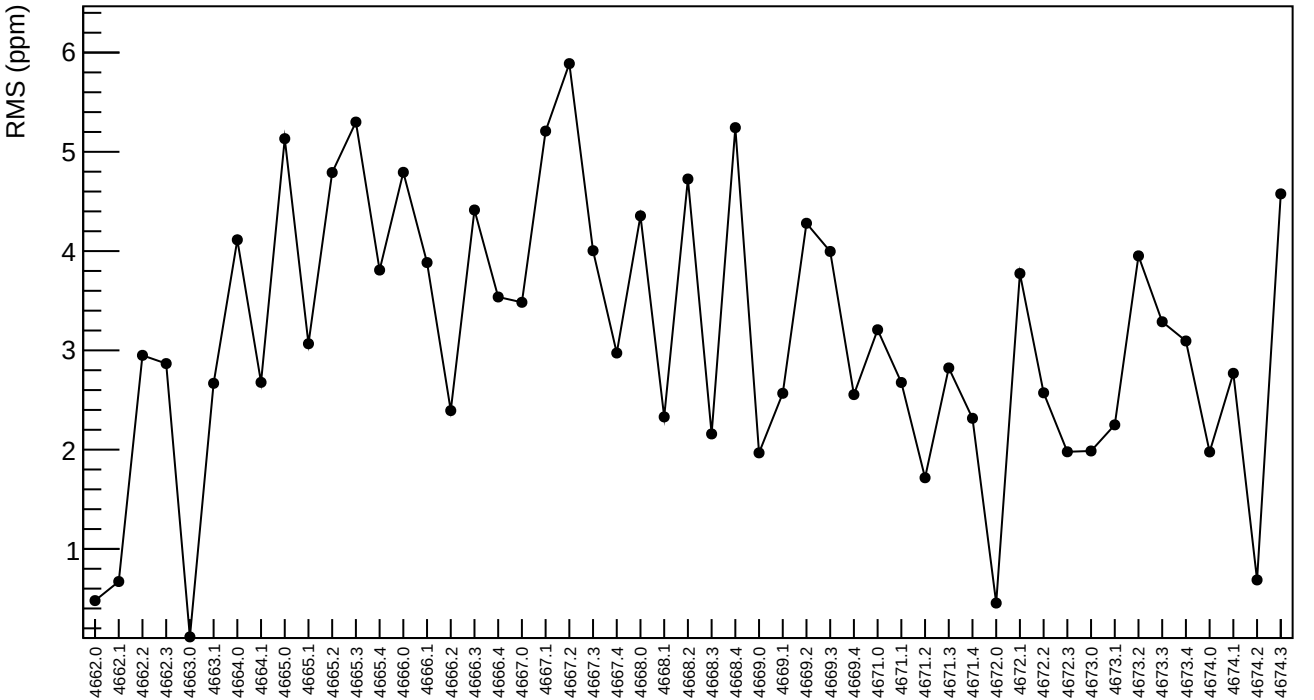

corr_usr_evMon2 (ppb)
χ² / ndf 94.68 / 50
p0 −548.6 ± 354.5

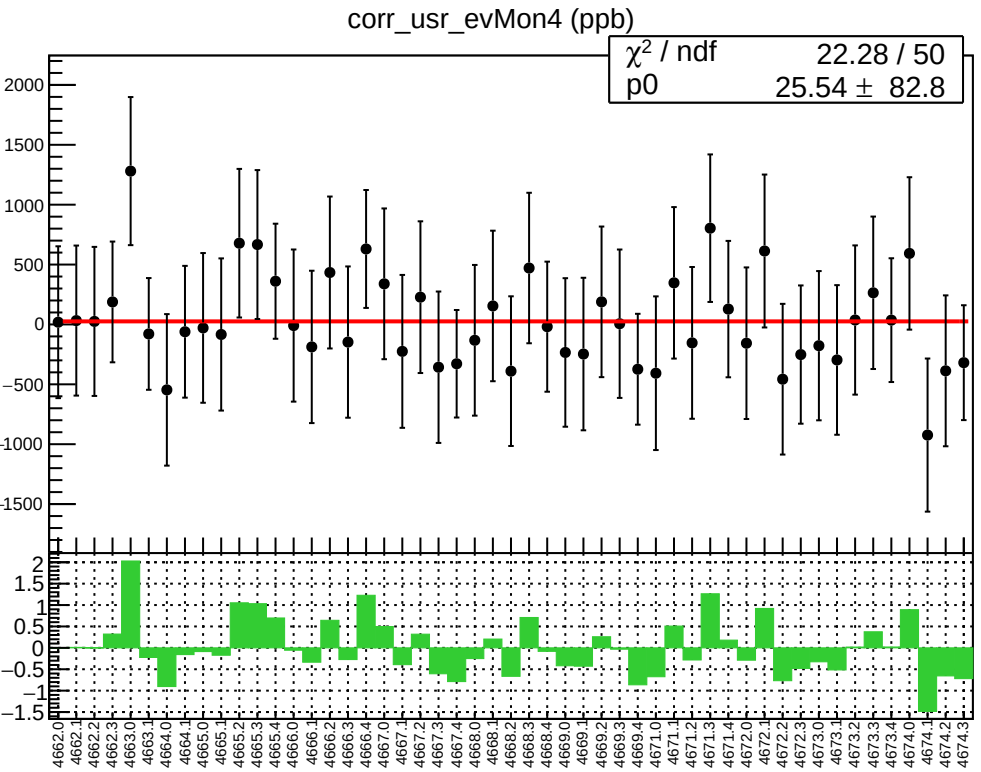

1D pull distribution
Mean −0.000923 ± 0.1908
Std Dev 1.363 ± 0.1349
Underflow 0
Overflow 0
χ² / ndf 3.075 / 10
Constant 8.356 ± 1.630
Mean −0.06028 ± 0.19005
Sigma 1.241 ± 0.180

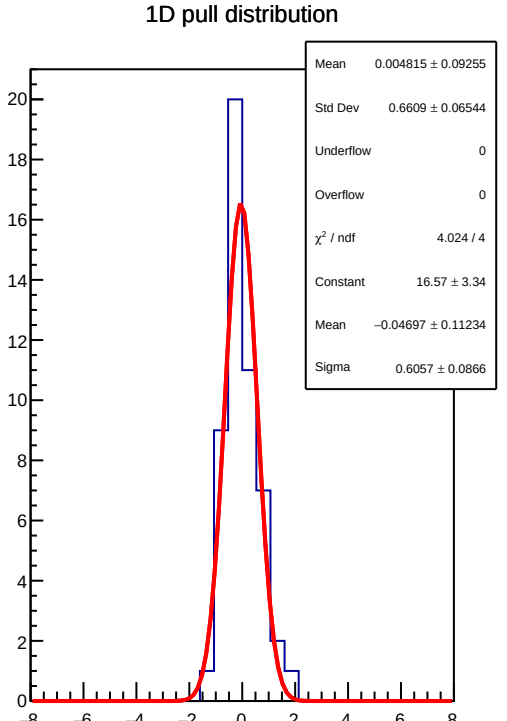

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
450
400
350
300
250
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

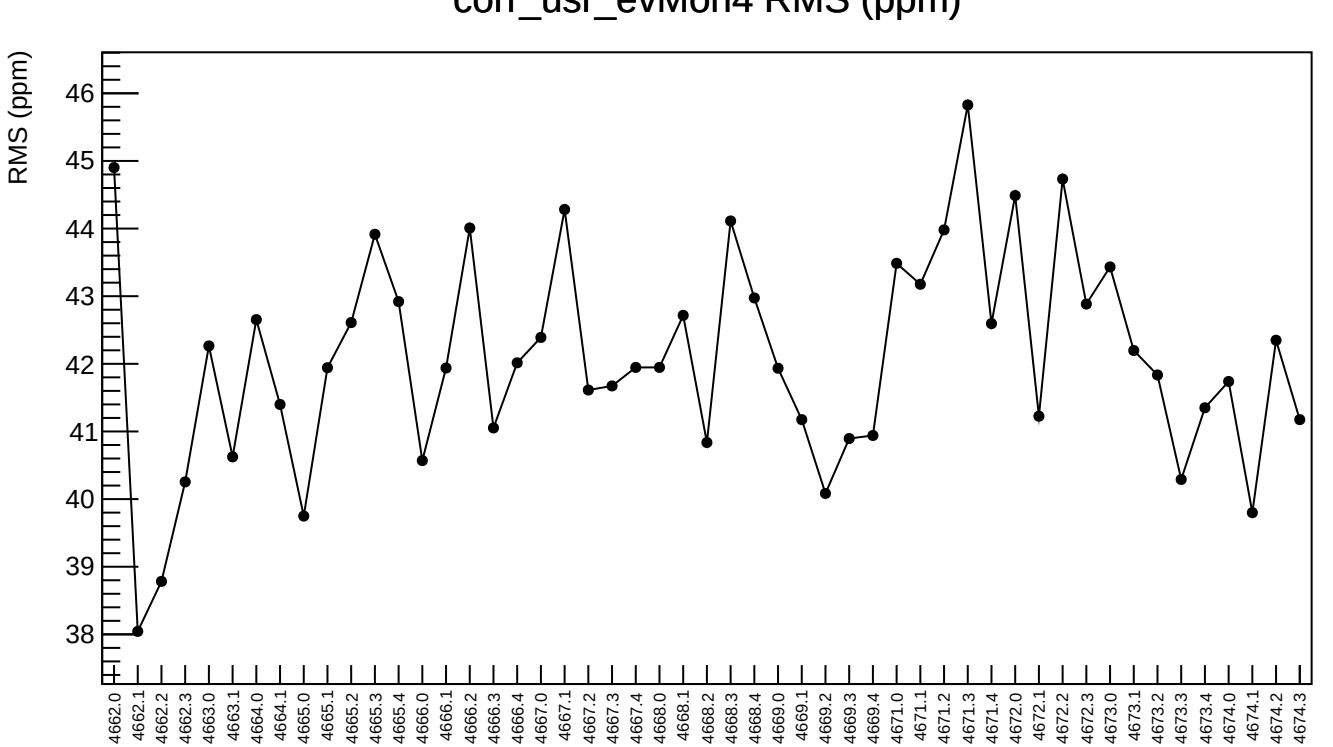

corr_usr_evMon3 (ppb)
χ² / ndf 2.554 / 50
p0 1.24 ± 21.35
300
200
100
0
−100
−200
0.8
0.6
0.4
0.2
0
−0.2
−0.4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

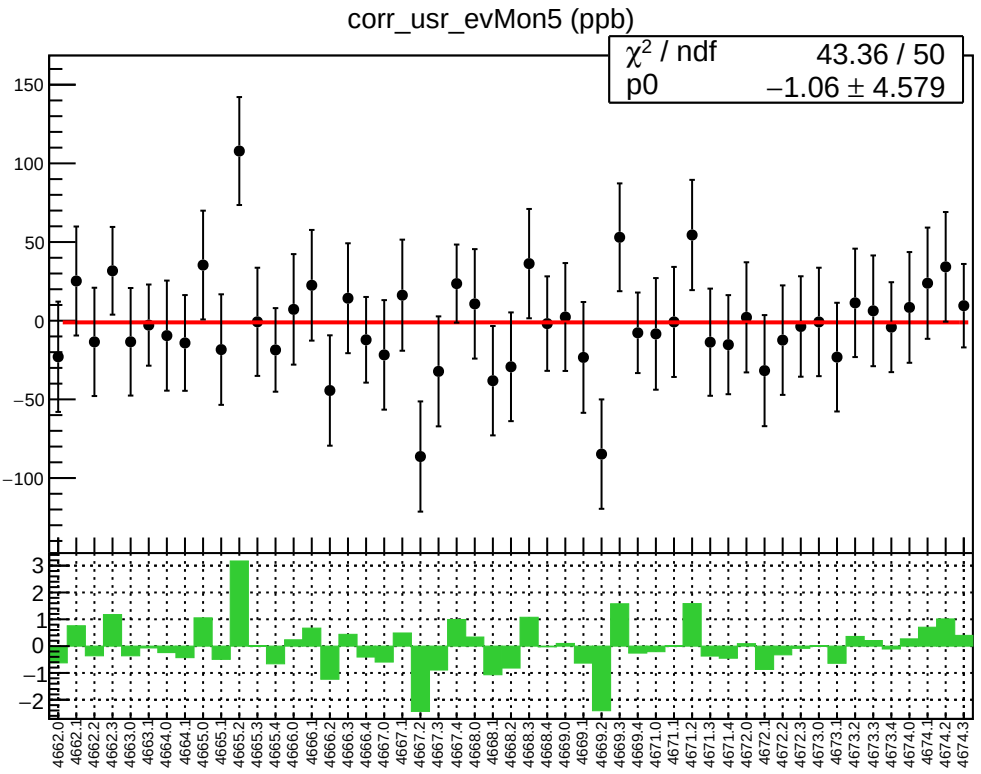

1D pull distribution
Mean −0.00269 ± 0.03134
Std Dev 0.2238 ± 0.02216
Underflow 0
Overflow 0
χ² / ndf 6.544e−11 / 0
Constant 31.76 ± 5.17
Mean −0.1753 ± 0.1657
Sigma 0.4147 ± 0.1088
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

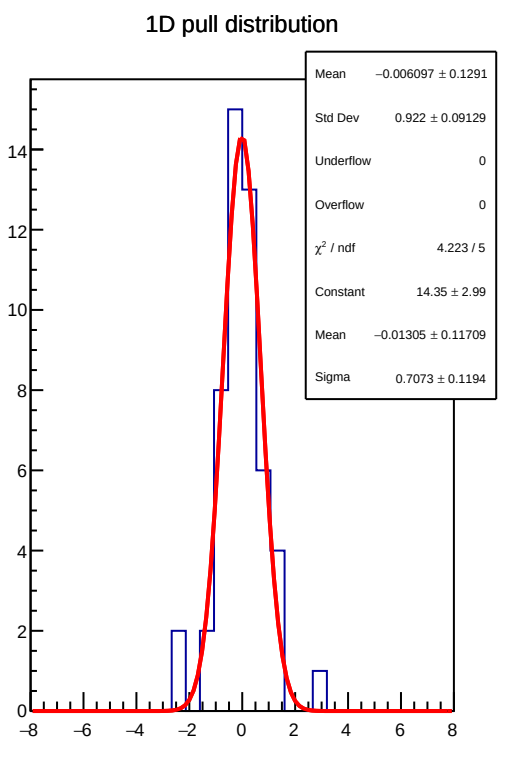

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

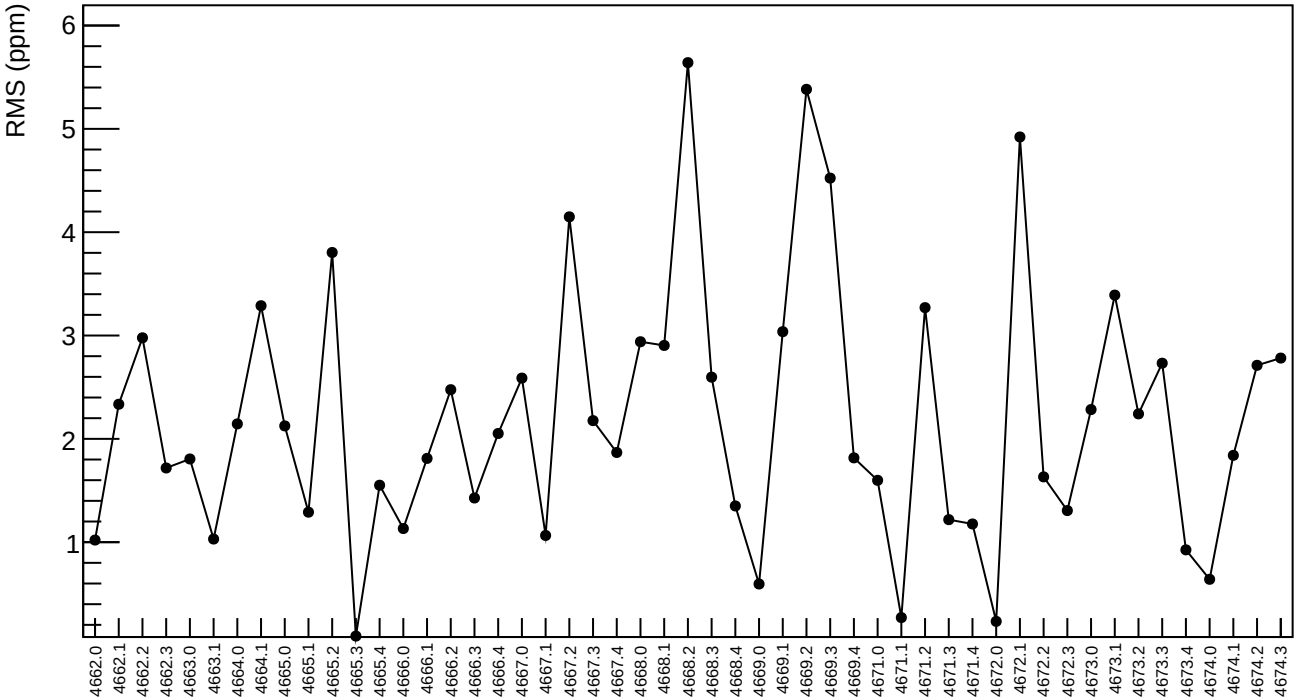

corr_usr_evMon4 (ppb)
χ² / ndf 22.28 / 50
p0 25.54 ± 82.8
2000
1500
1000
500
0
−500
−1000
−1500
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

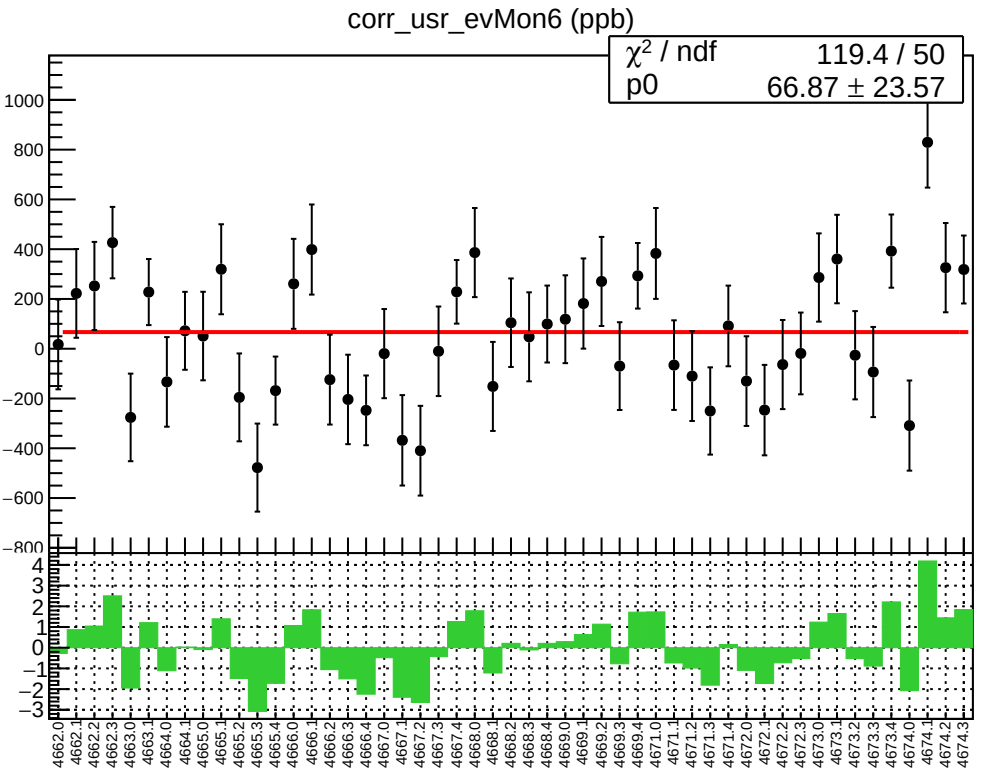

1D pull distribution
Mean 0.004815 ± 0.09255
Std Dev 0.6609 ± 0.06544
Underflow 0
Overflow 0
χ² / ndf 4.024 / 4
Constant 16.57 ± 3.34
Mean −0.04697 ± 0.11234
Sigma 0.6057 ± 0.0866
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

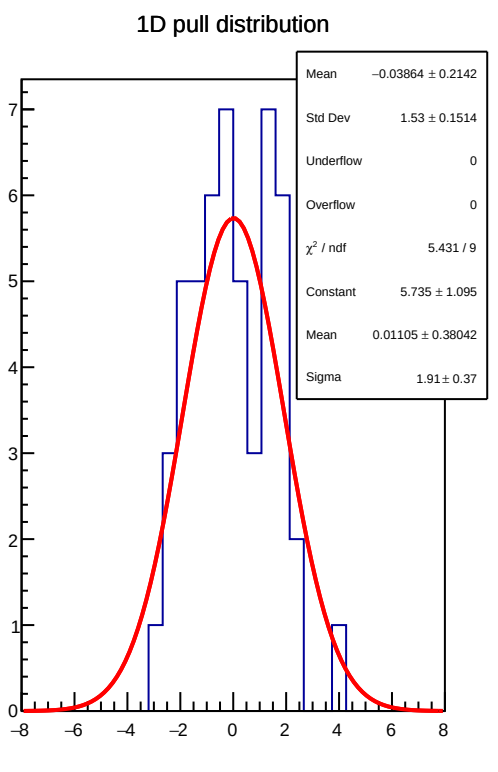

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
46
45
44
43
42
41
40
39
38
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

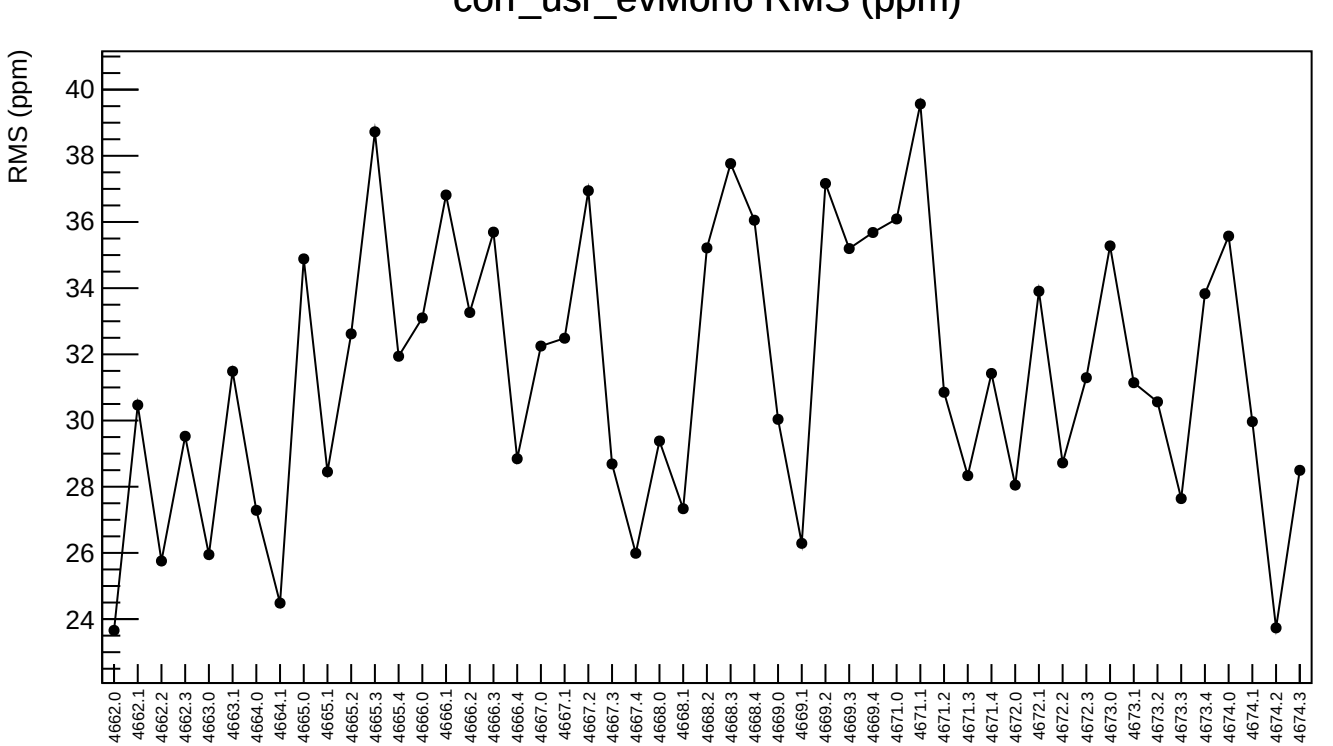

corr_usr_evMon5 (ppb)
χ² / ndf 43.36 / 50
p0 −1.06 ± 4.579
150
100
50
0
−50
−100
3
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

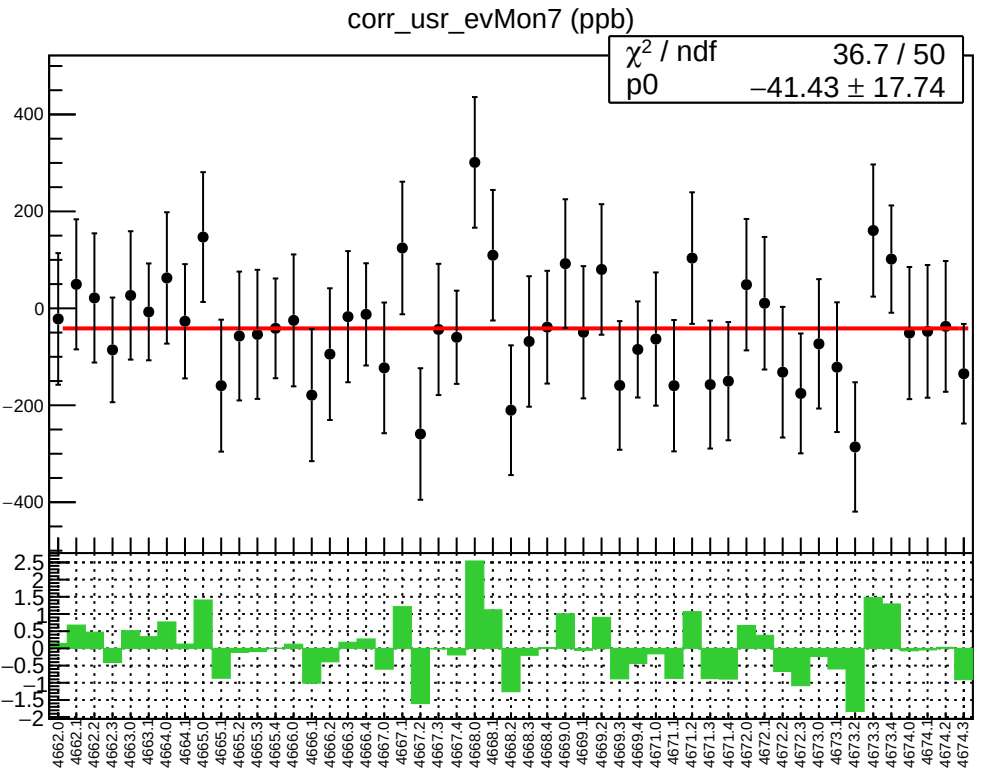

1D pull distribution
Mean −0.006097 ± 0.1291
Std Dev 0.922 ± 0.09129
Underflow 0
Overflow 0
χ² / ndf 4.223 / 5
Constant 14.35 ± 2.99
Mean −0.01305 ± 0.11709
Sigma 0.7073 ± 0.1194
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

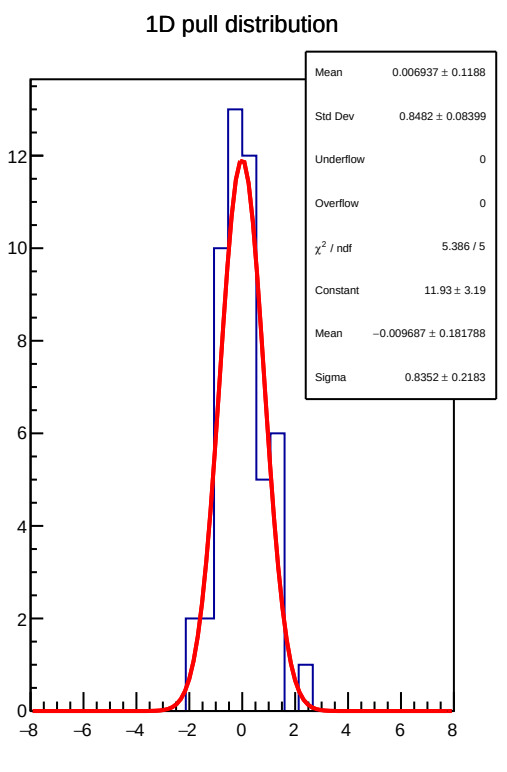

corr_usr_evMon5 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

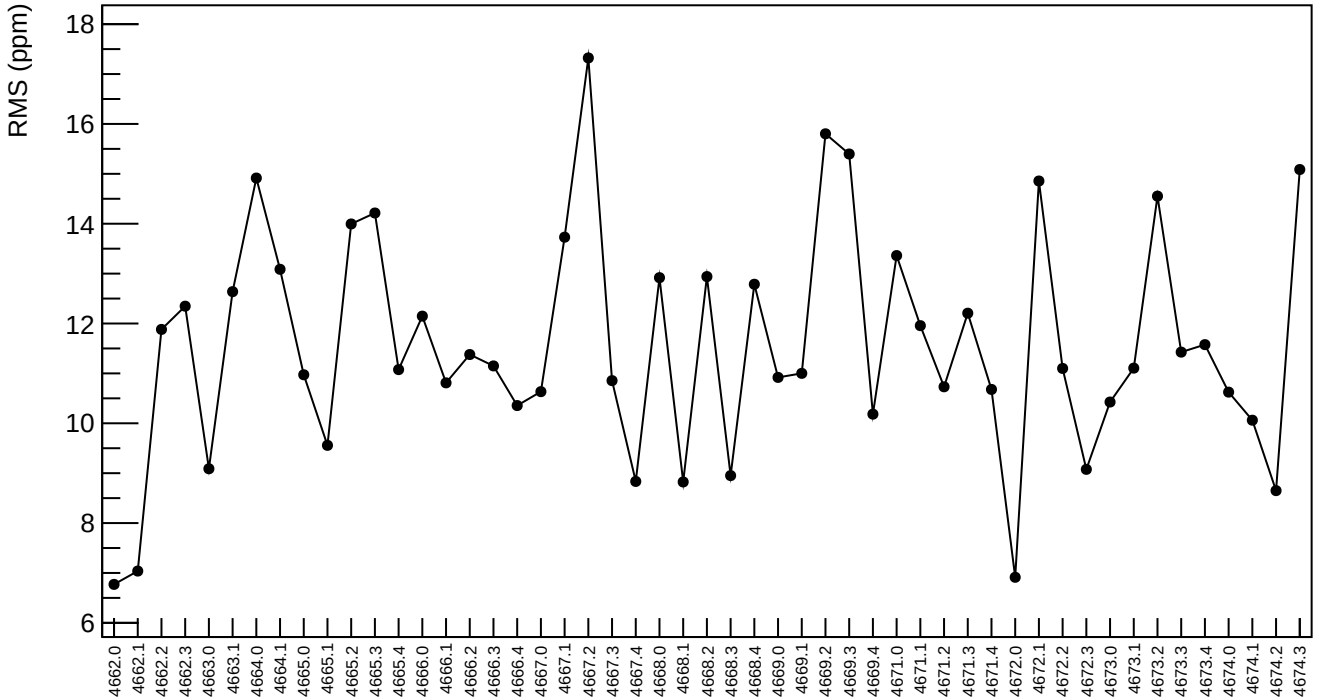

corr_usr_evMon6 (ppb)
χ² / ndf 119.4 / 50
p0 66.87 ± 23.57

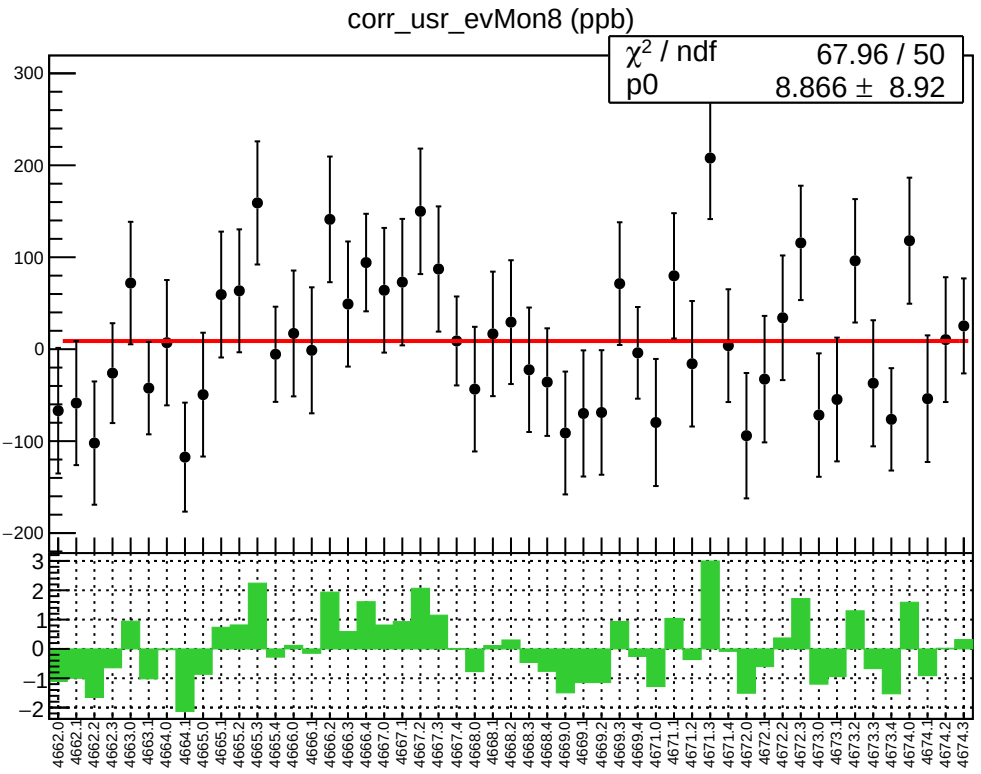

1D pull distribution
Mean −0.03864 ± 0.2142
Std Dev 1.53 ± 0.1514
Underflow 0
Overflow 0
χ² / ndf 5.431 / 9
Constant 5.735 ± 1.095
Mean 0.01105 ± 0.38042
Sigma 1.91 ± 0.37

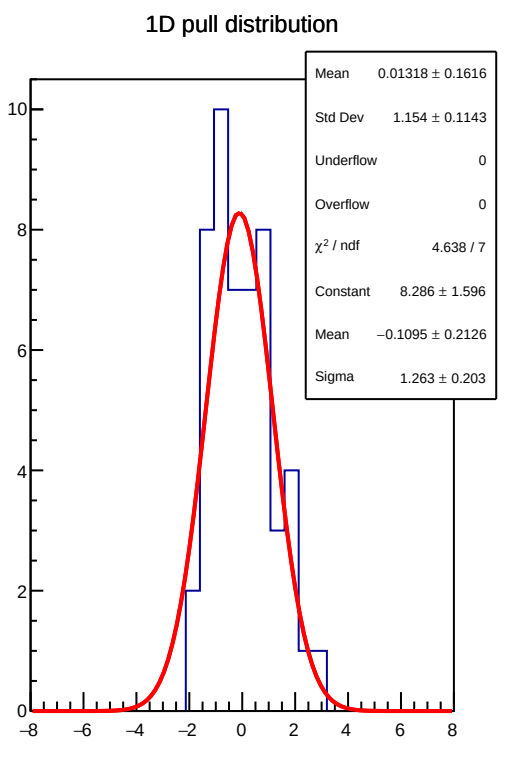

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
40
38
36
34
32
30
28
26
24
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

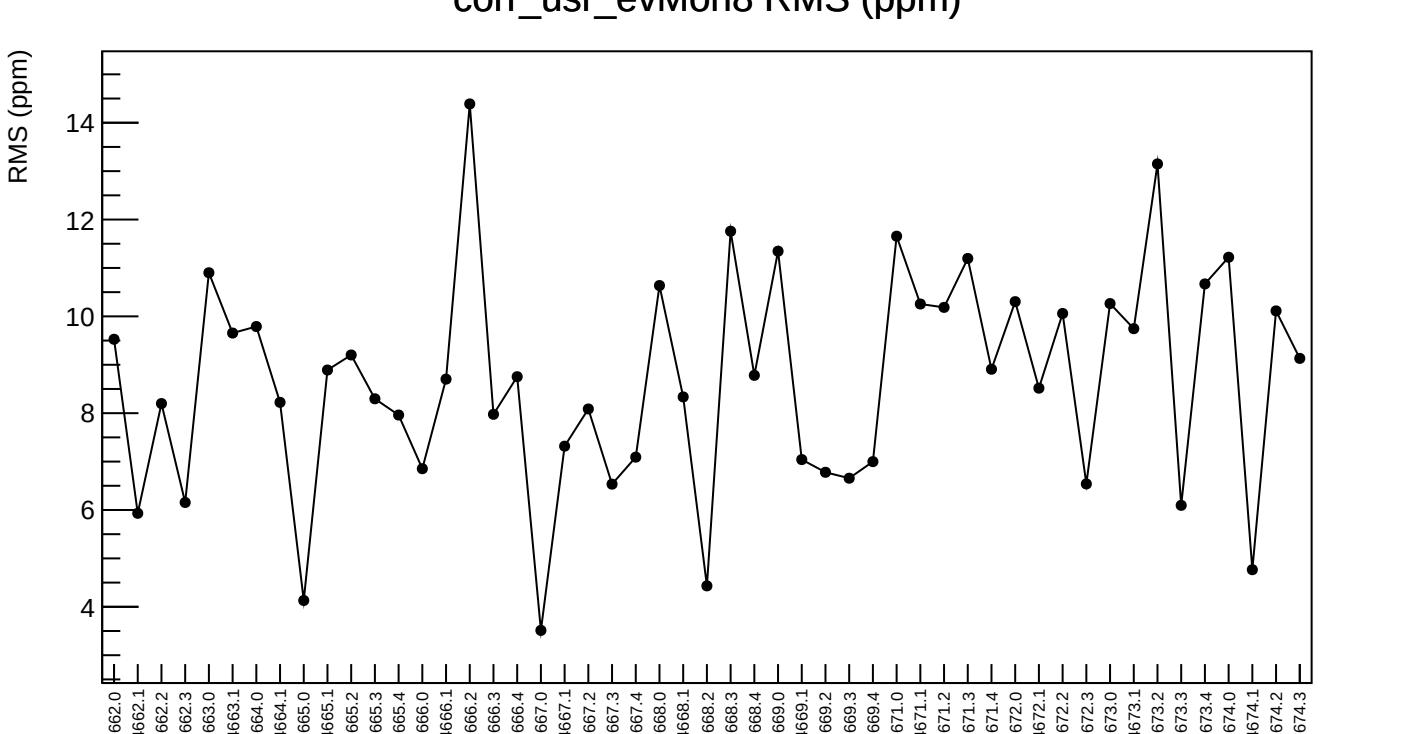

corr_usr_evMon7 (ppb)
χ² / ndf 36.7 / 50
p0 −41.43 ± 17.74
400
200
0
−200
−400
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

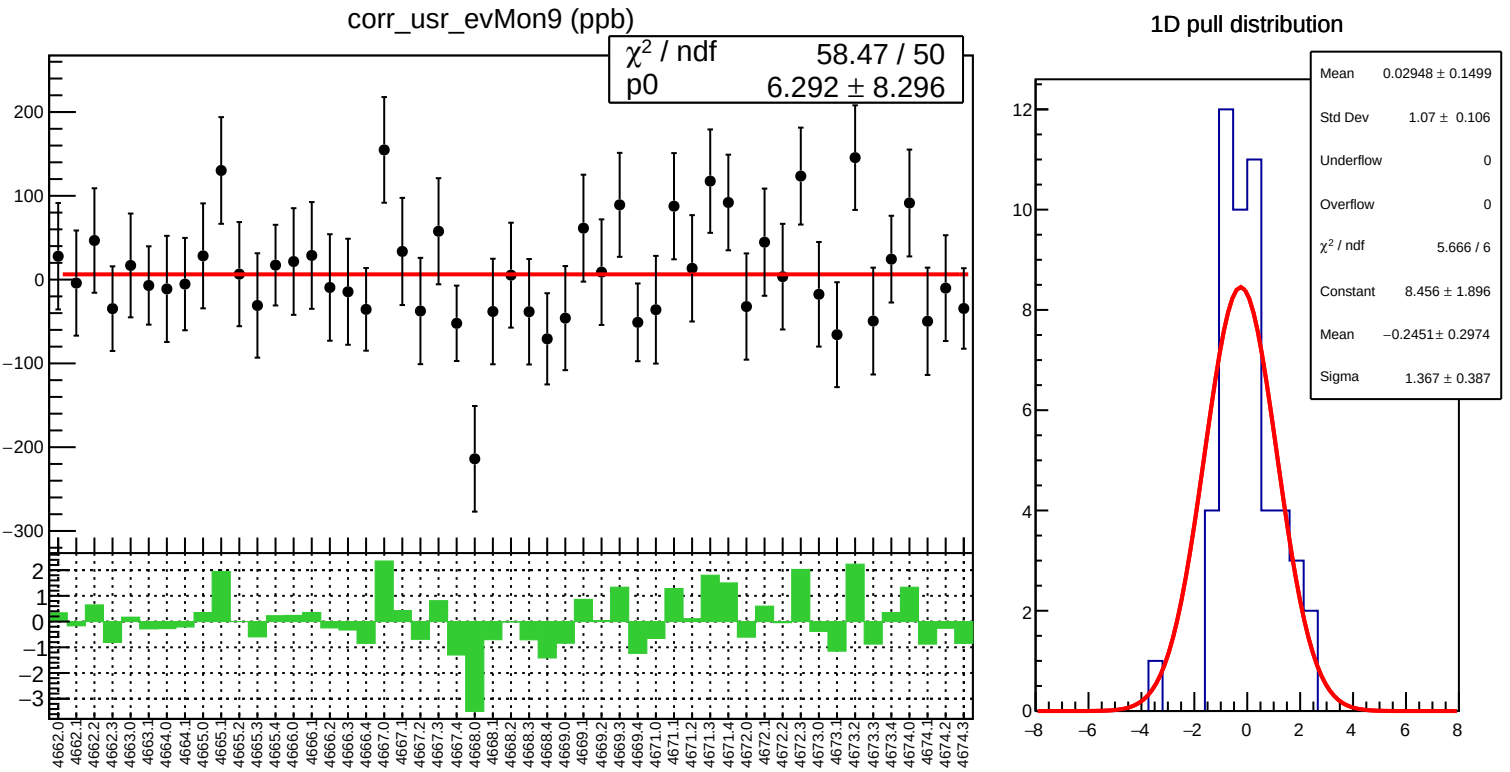

1D pull distribution
Mean 0.006937 ± 0.1188
Std Dev 0.8482 ± 0.08399
Underflow 0
Overflow 0
χ² / ndf 5.386 / 5
Constant 11.93 ± 3.19
Mean −0.009687 ± 0.181788
Sigma 0.8352 ± 0.2183
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

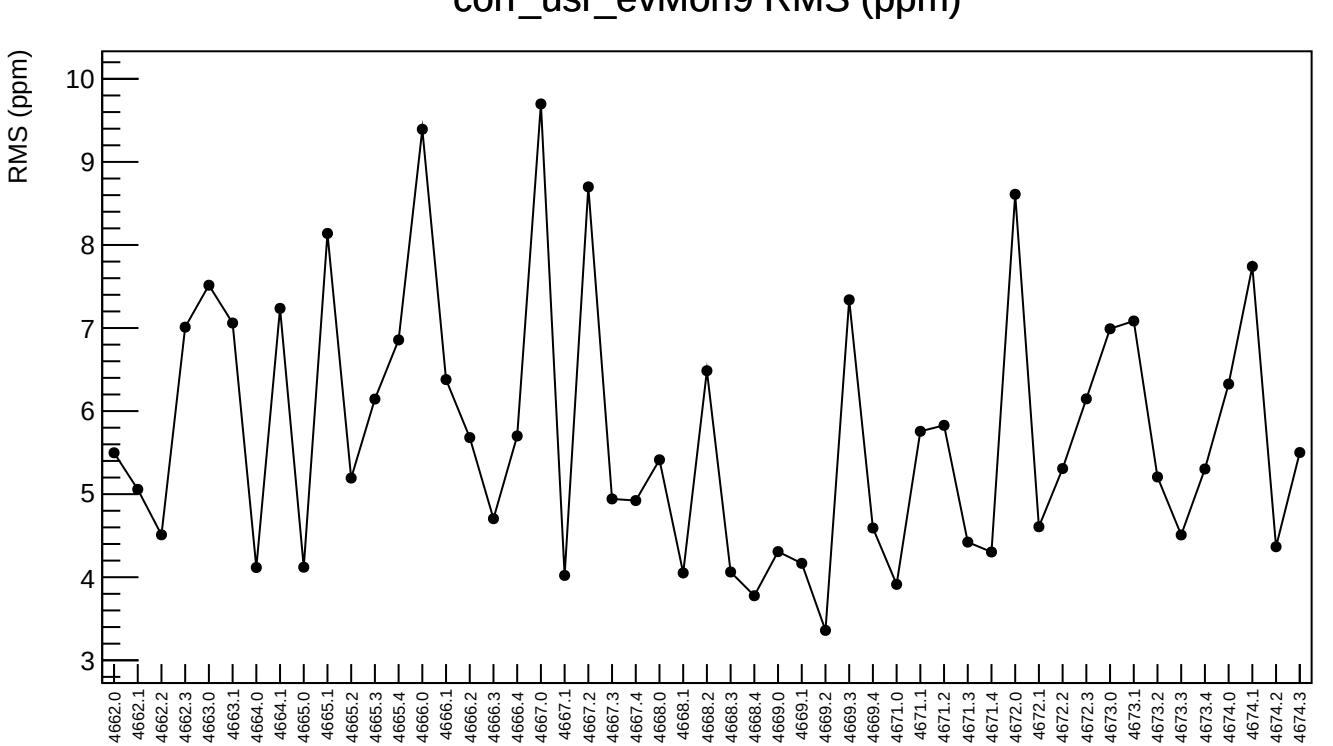

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
18
16
14
12
10
8
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

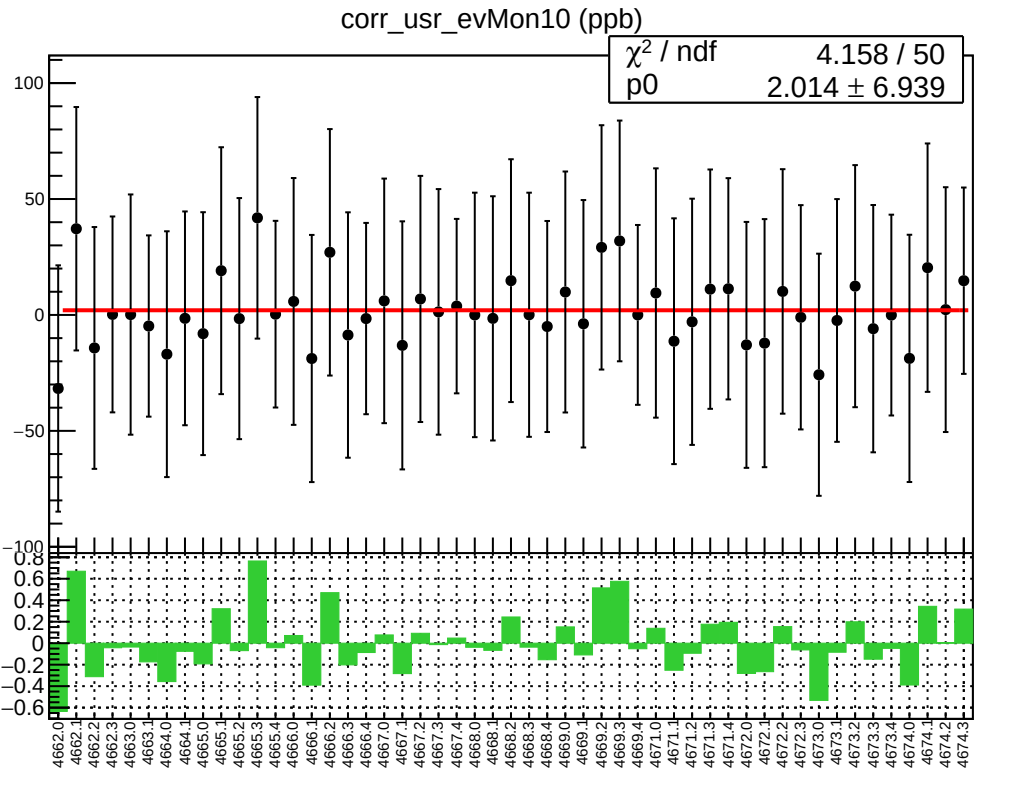

corr_usr_evMon8 (ppb)
χ² / ndf 67.96 / 50
p0 8.866 ± 8.92
300
200
100
0
−100
−200
pull
3
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

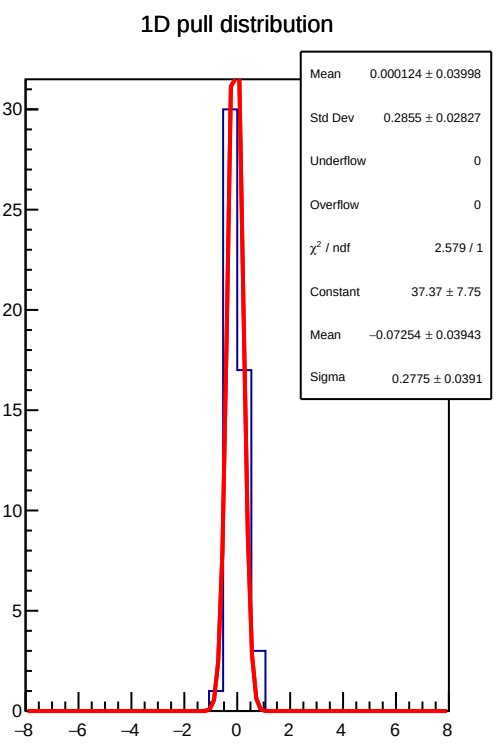

1D pull distribution
Mean 0.01318 ± 0.1616
Std Dev 1.154 ± 0.1143
Underflow 0
Overflow 0
χ² / ndf 4.638 / 7
Constant 8.286 ± 1.596
Mean −0.1095 ± 0.2126
Sigma 1.263 ± 0.203
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

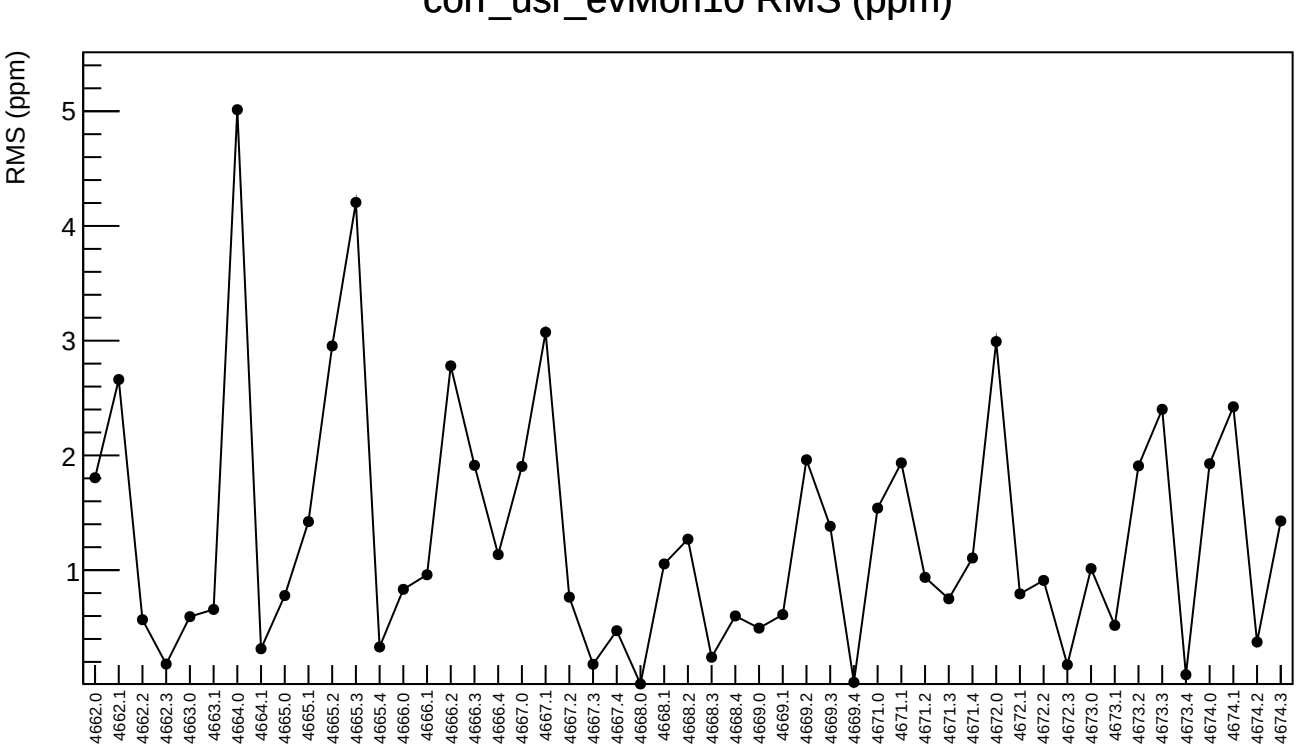

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

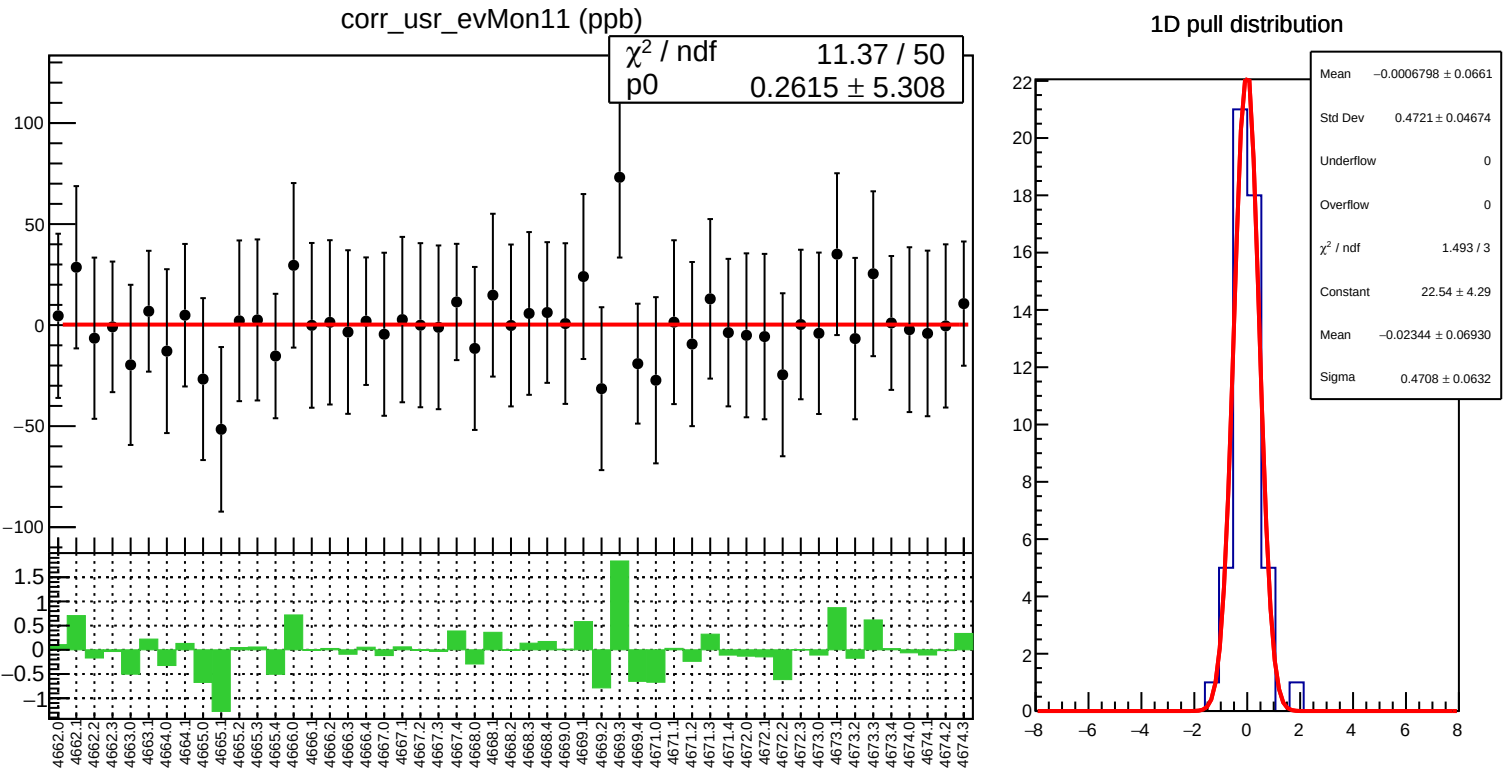

corr_usr_evMon9 (ppb)
χ² / ndf 58.47 / 50
p0 6.292 ± 8.296
1D pull distribution
Mean 0.02948 ± 0.1499
Std Dev 1.07 ± 0.106
Underflow 0
Overflow 0
χ² / ndf 5.666 / 6
Constant 8.456 ± 1.896
Mean −0.2451 ± 0.2974
Sigma 1.367 ± 0.387

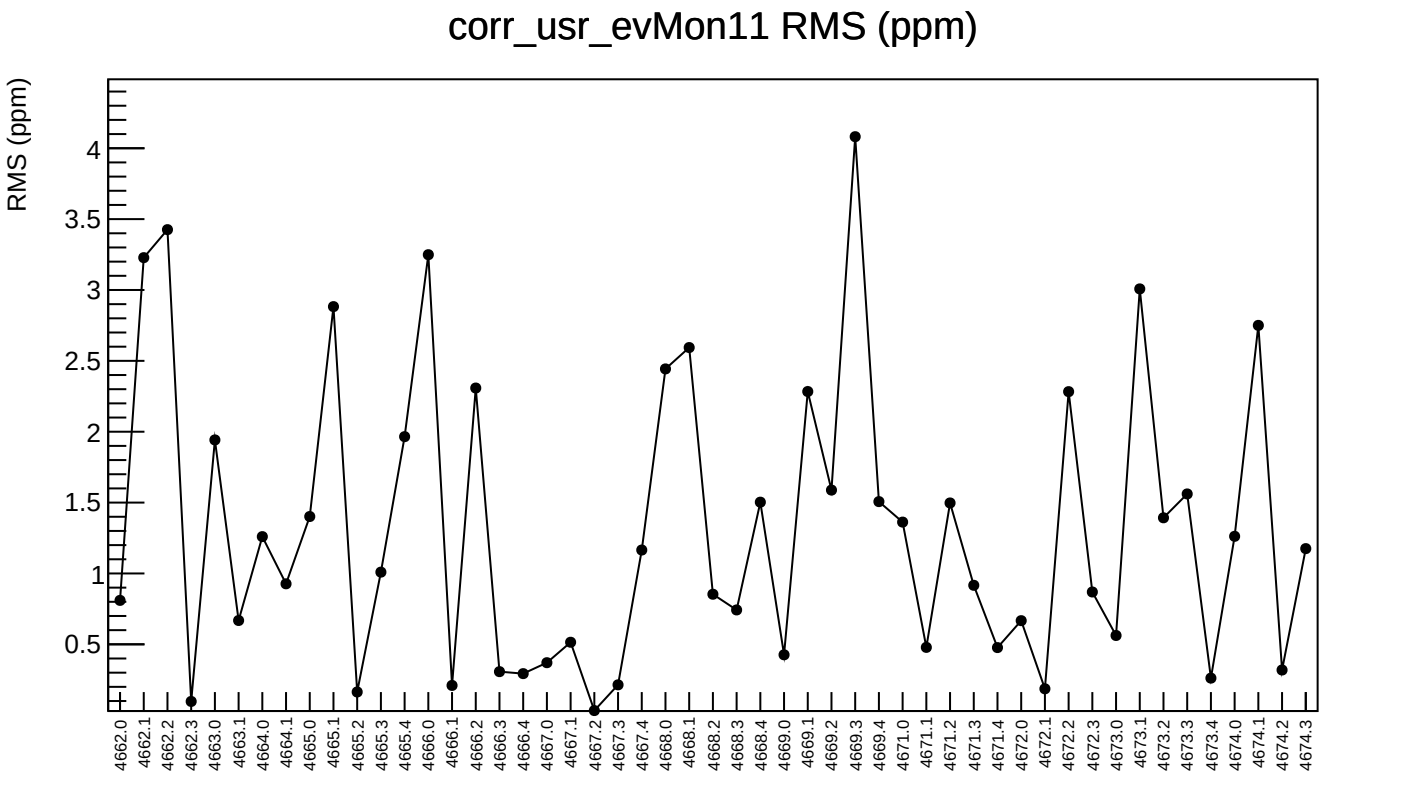

corr_usr_evMon9 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3


corr_usr_evMon10 (ppb)
χ² / ndf 4.158 / 50
p0 2.014 ± 6.939
100
50
0
−50
−100
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3


1D pull distribution
Mean 0.000124 ± 0.03998
Std Dev 0.2855 ± 0.02827
Underflow 0
Overflow 0
χ² / ndf 2.579 / 1
Constant 37.37 ± 7.75
Mean −0.07254 ± 0.03943
Sigma 0.2775 ± 0.0391
30
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
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3


corr_usr_evMon11 (ppb)
χ² / ndf 11.37 / 50
p0 0.2615 ± 5.308
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3
1D pull distribution
Mean −0.0006798 ± 0.0661
Std Dev 0.4721 ± 0.04674
Underflow 0
Overflow 0
χ² / ndf 1.493 / 3
Constant 22.54 ± 4.29
Mean −0.02344 ± 0.06930
Sigma 0.4708 ± 0.0632
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
4671.4
4672.0
4672.1
4672.2
4672.3
4673.0
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3