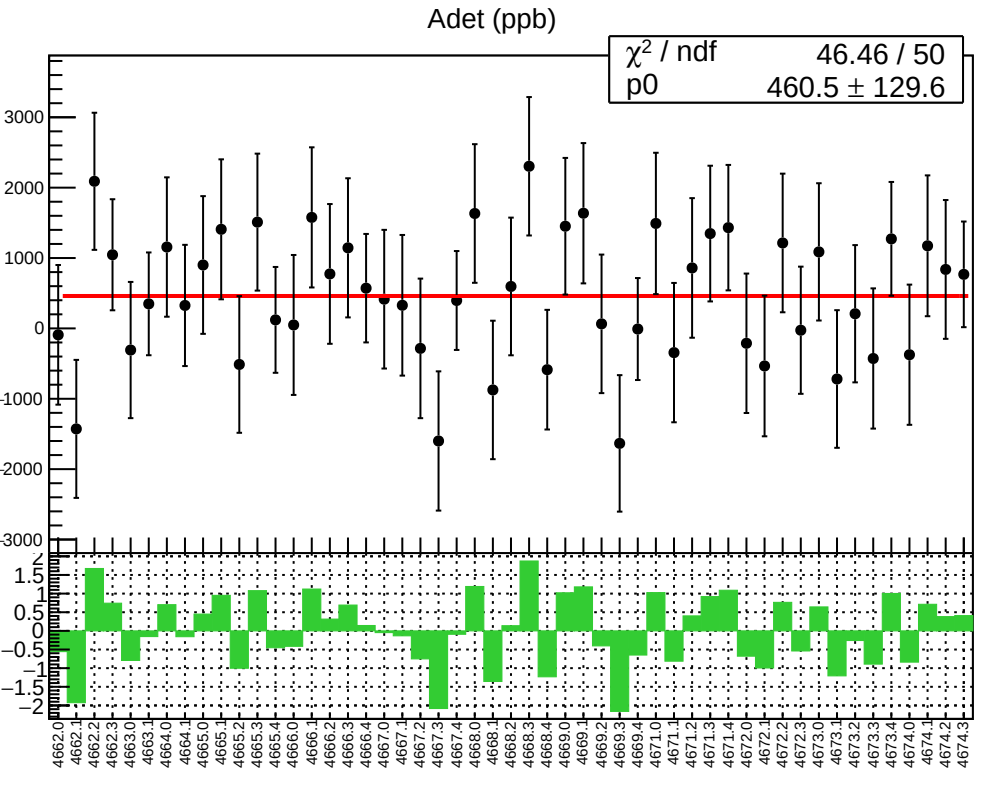
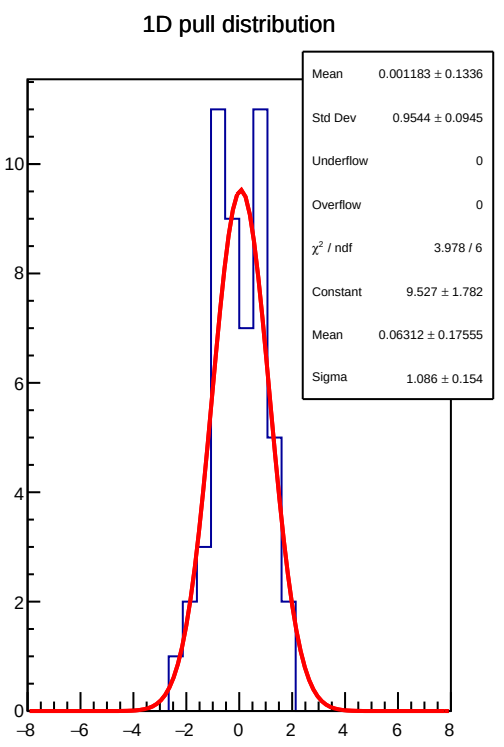
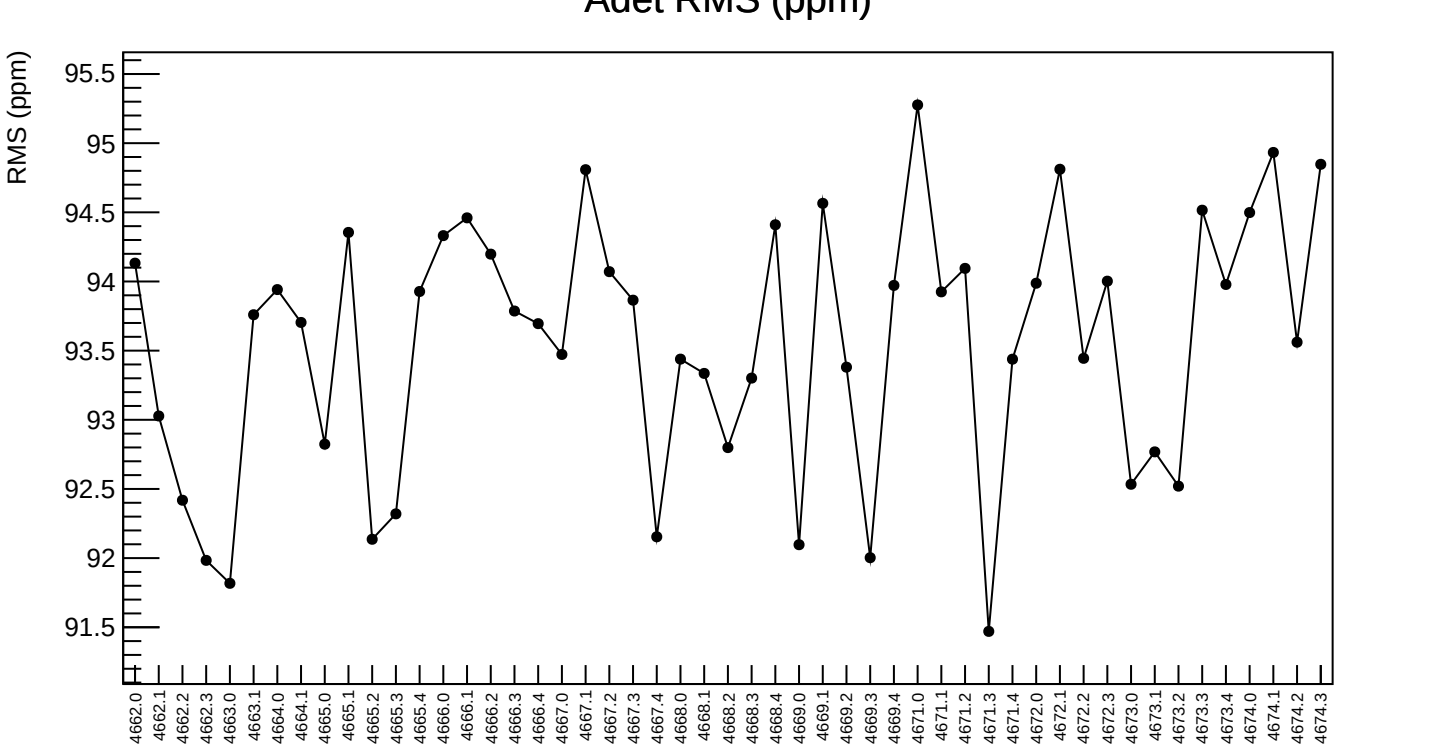
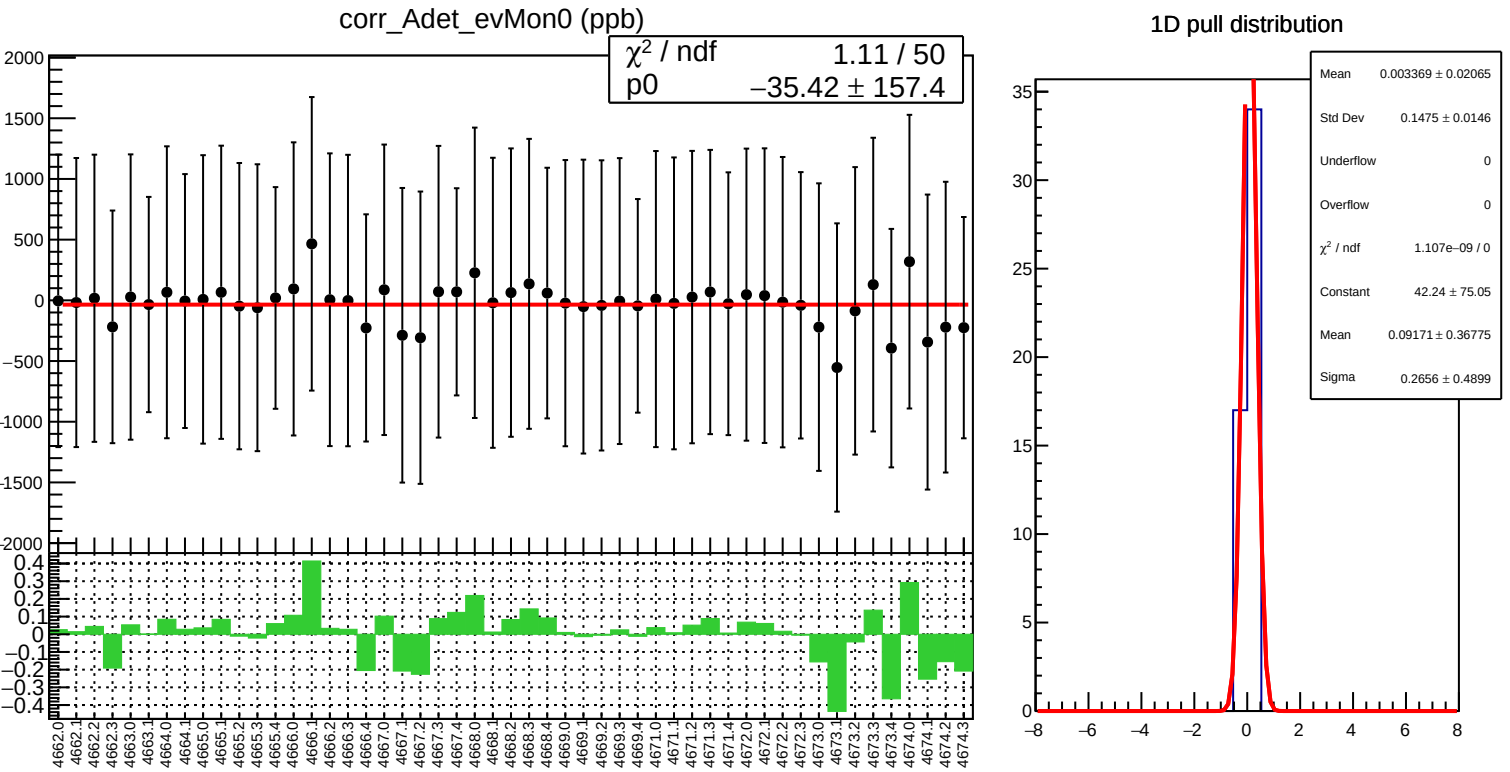
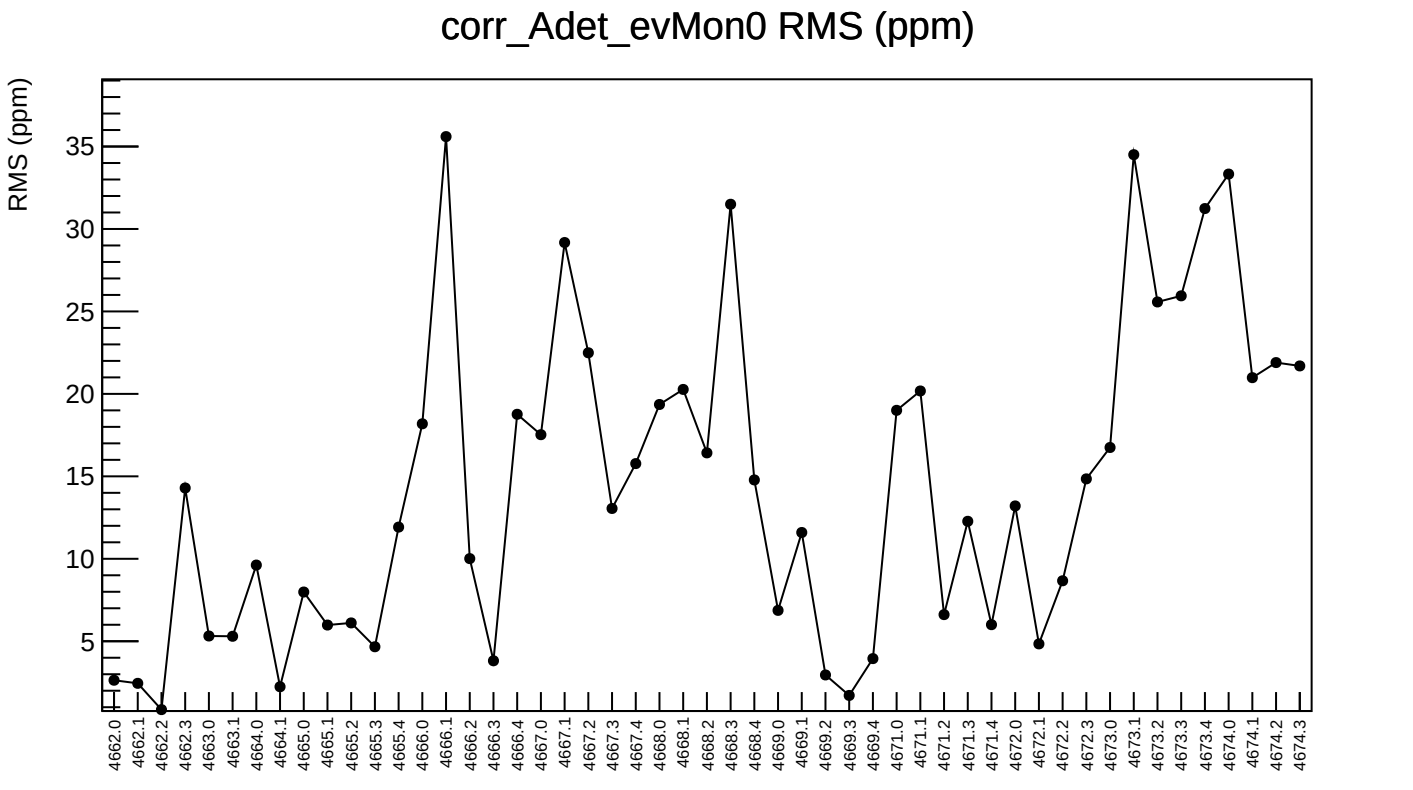
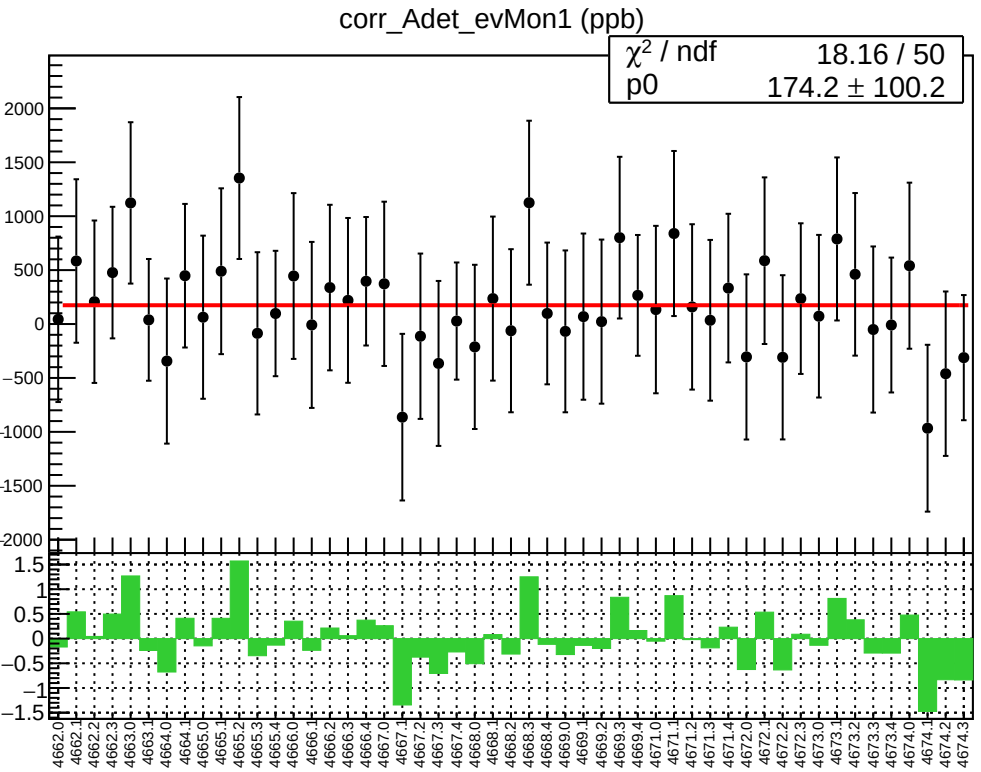

Adet (ppb)
χ² / ndf 46.46 / 50
p0 460.5 ± 129.6
3000
2000
1000
0
−1000
−2000
−3000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
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

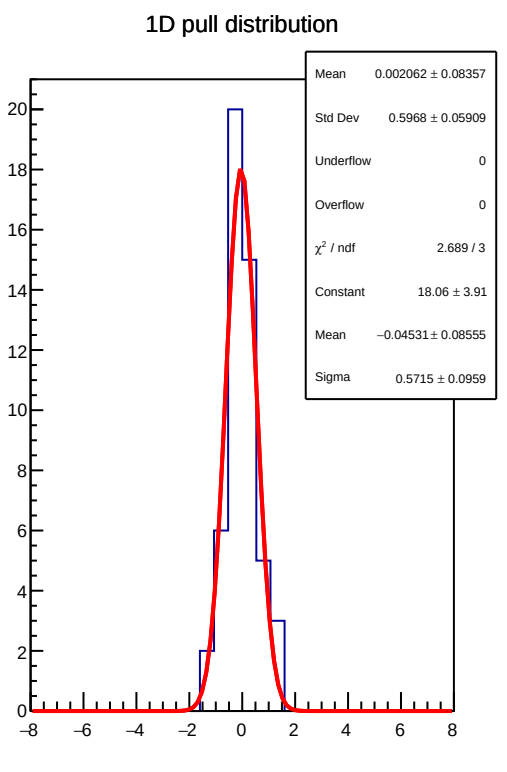

1D pull distribution
Mean 0.001183 ± 0.1336
Std Dev 0.9544 ± 0.0945
Underflow 0
Overflow 0
χ² / ndf 3.978 / 6
Constant 9.527 ± 1.782
Mean 0.06312 ± 0.17555
Sigma 1.086 ± 0.154
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

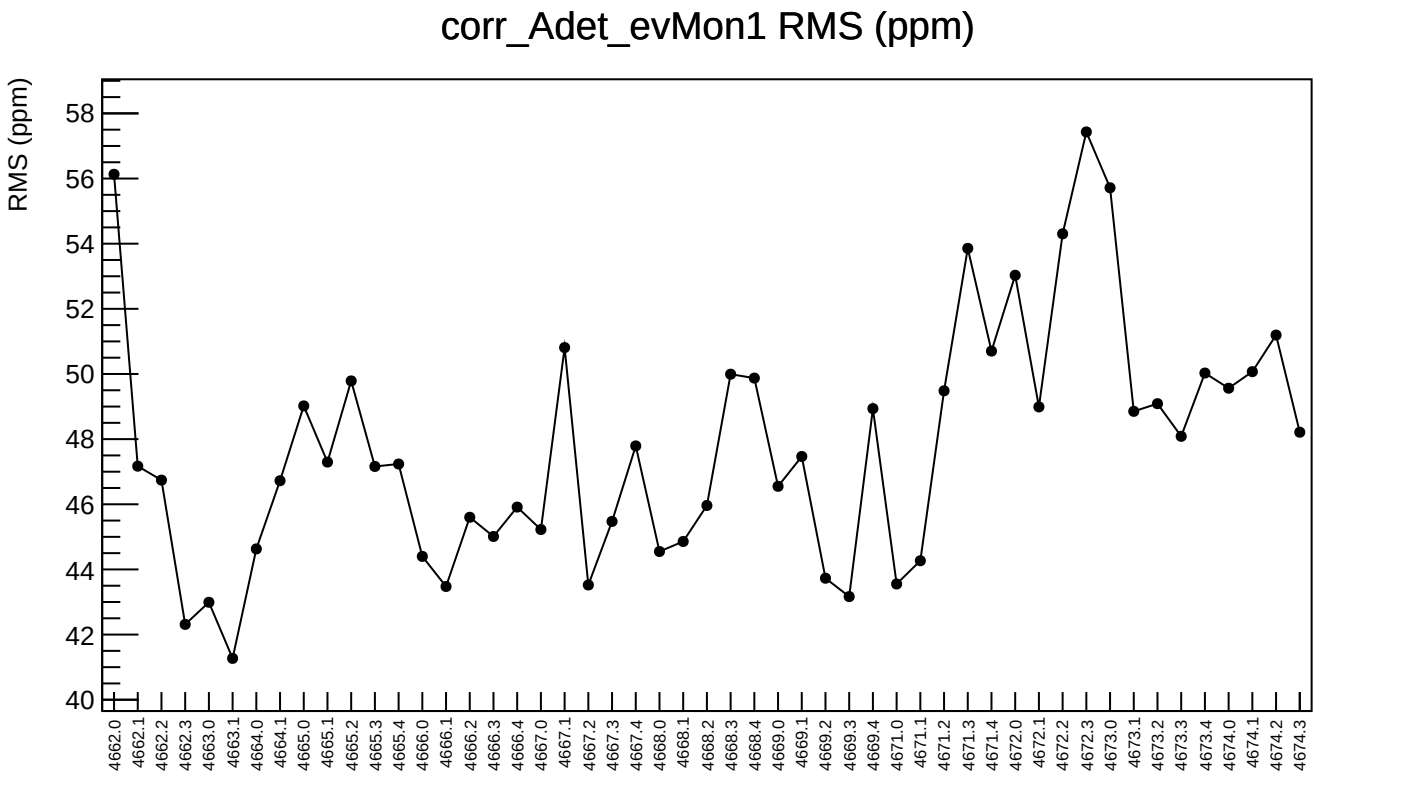

Adet RMS (ppm)
RMS (ppm)
95.5
95
94.5
94
93.5
93
92.5
92
91.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

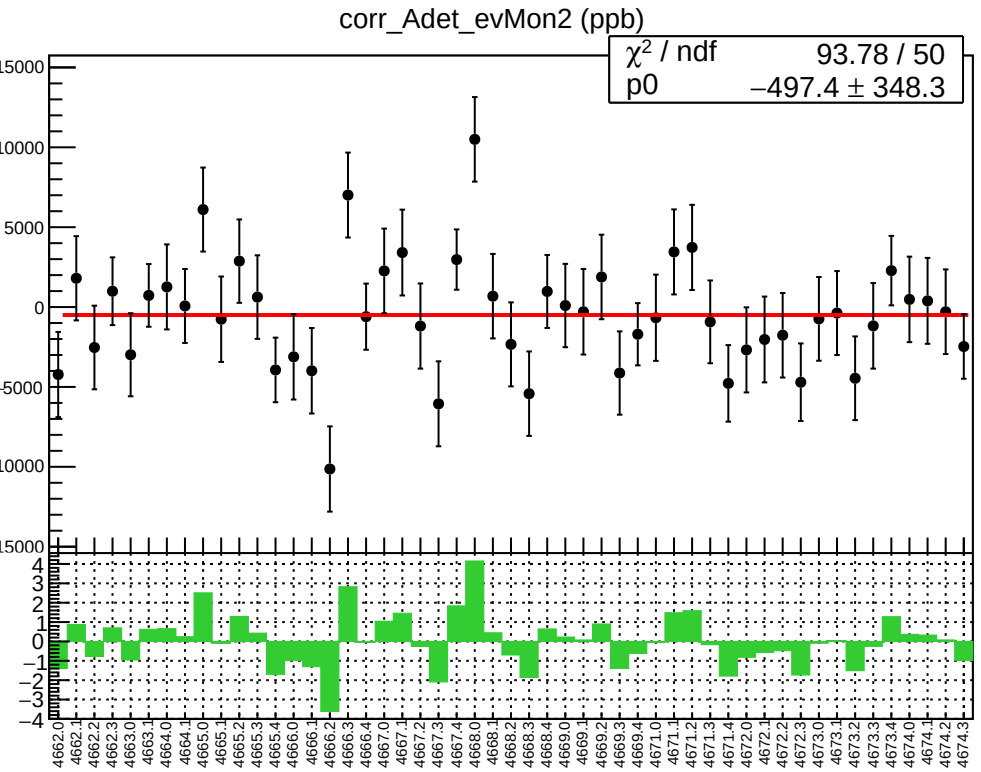

corr_Adet_evMon0 (ppb)
χ² / ndf 1.11 / 50
p0 −35.42 ± 157.4
1D pull distribution
Mean 0.003369 ± 0.02065
Std Dev 0.1475 ± 0.0146
Underflow 0
Overflow 0
χ² / ndf 1.107e−09 / 0
Constant 42.24 ± 75.05
Mean 0.09171 ± 0.36775
Sigma 0.2656 ± 0.4899

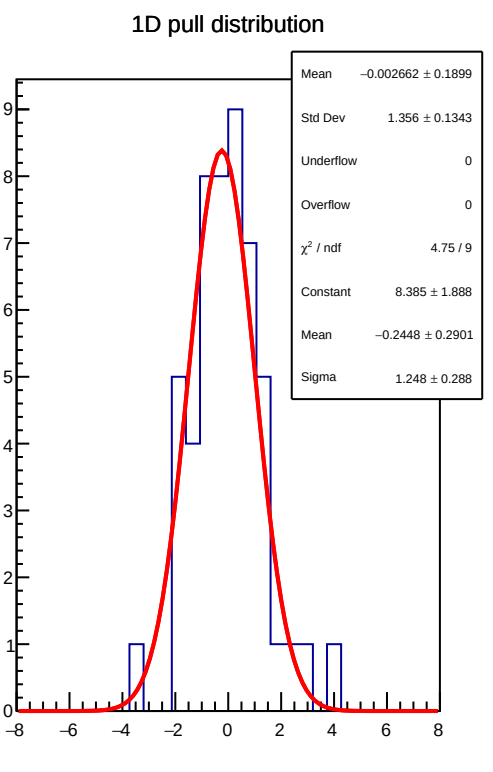

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
35
30
25
20
15
10
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

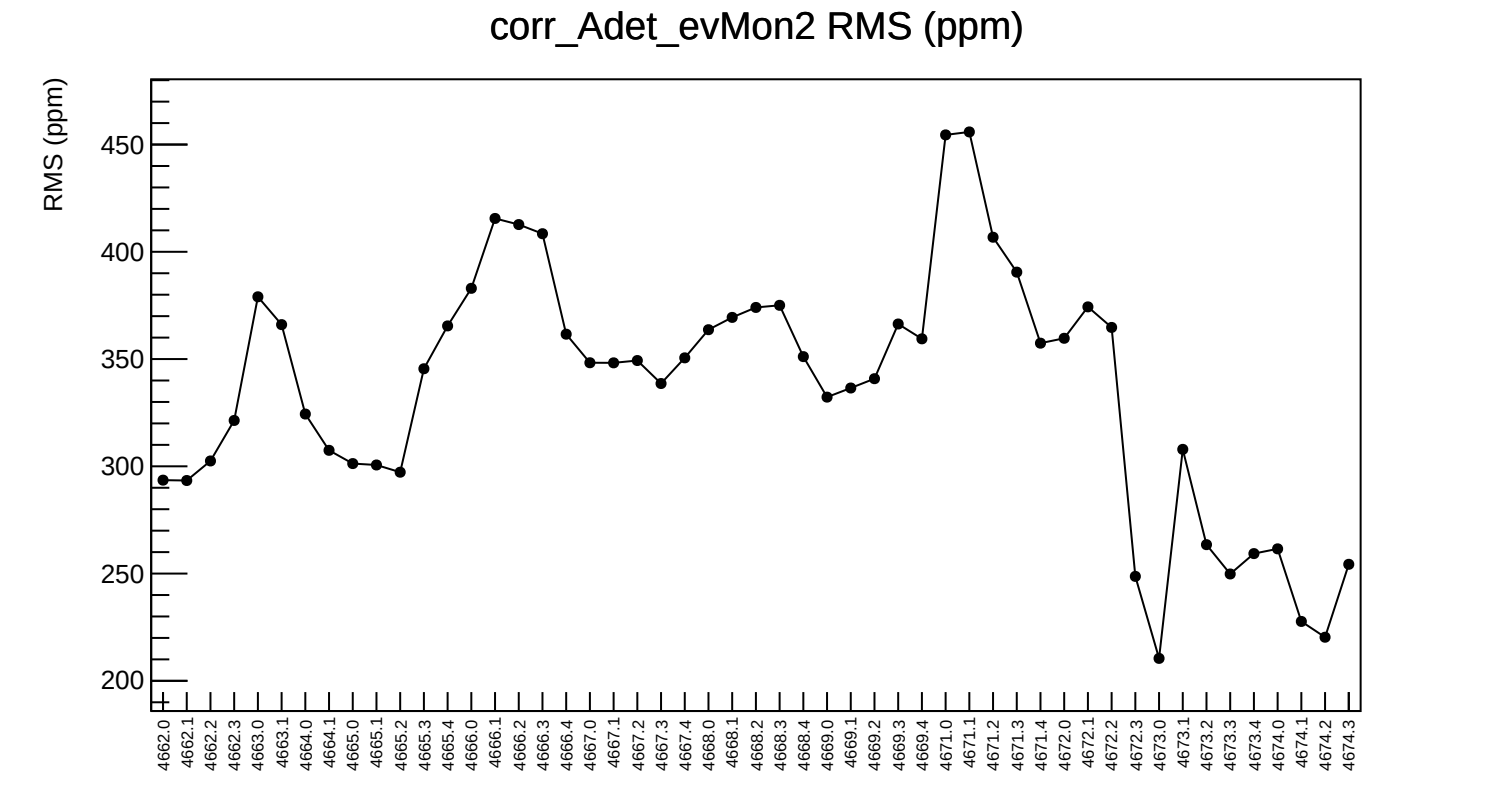

corr_Adet_evMon1 (ppb)
χ² / ndf 18.16 / 50
p0 174.2 ± 100.2
2000
1500
1000
500
0
−500
−1000
−1500
−2000
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
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

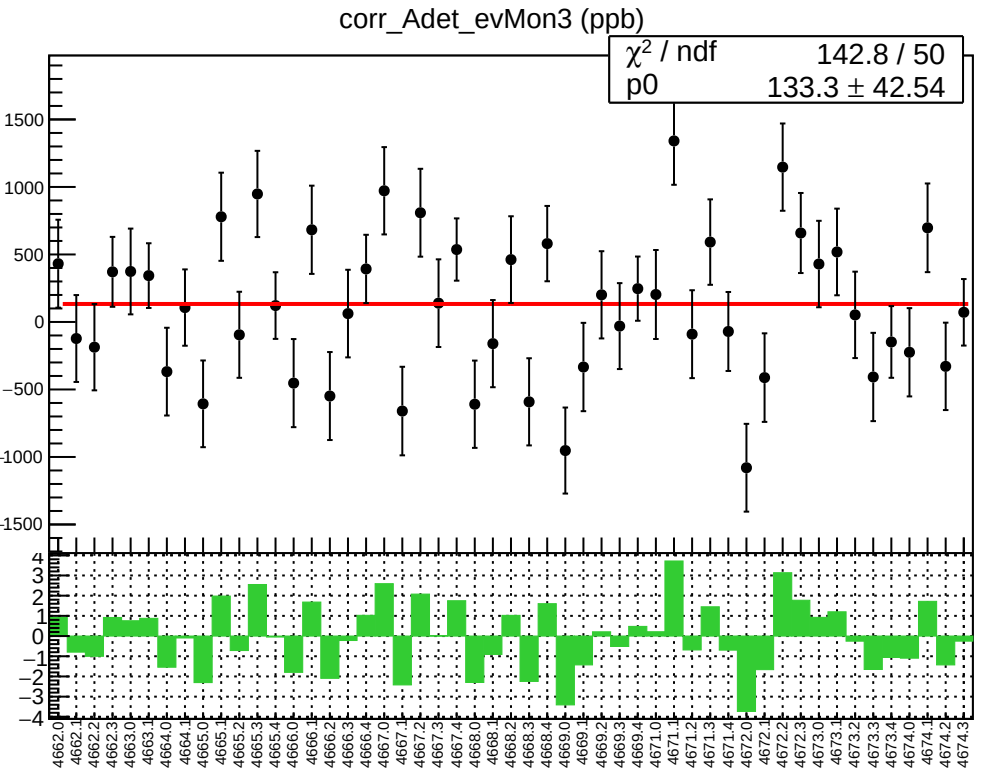

1D pull distribution
Mean 0.002062 ± 0.08357
Std Dev 0.5968 ± 0.05909
Underflow 0
Overflow 0
χ² / ndf 2.689 / 3
Constant 18.06 ± 3.91
Mean −0.04531 ± 0.08555
Sigma 0.5715 ± 0.0959
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

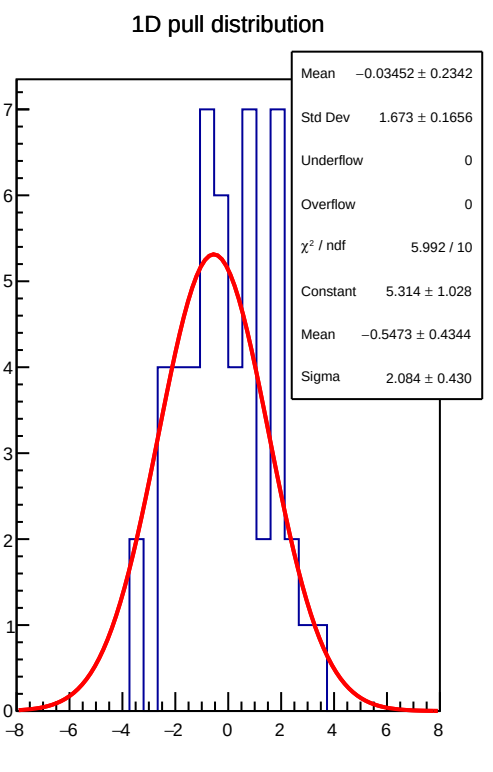

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
58
56
54
52
50
48
46
44
42
40
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

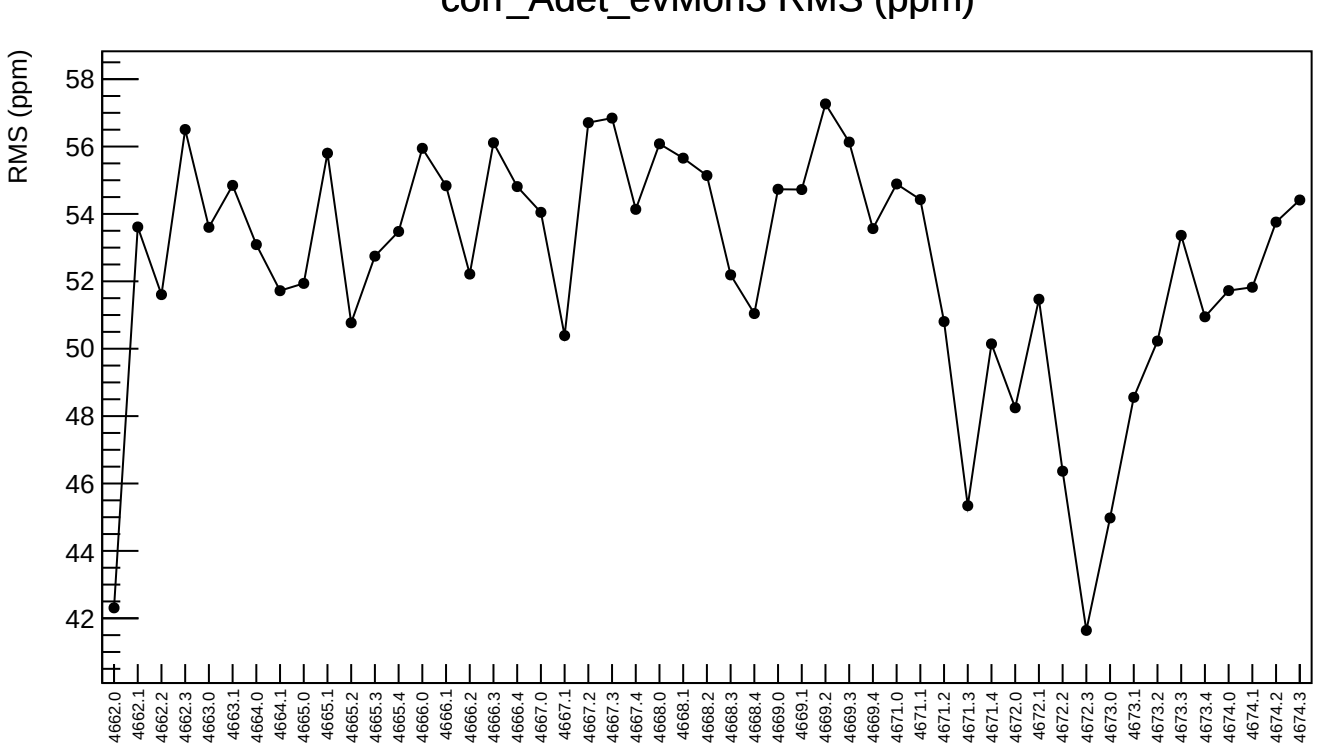

corr_Adet_evMon2 (ppb)
χ² / ndf 93.78 / 50
p0 −497.4 ± 348.3

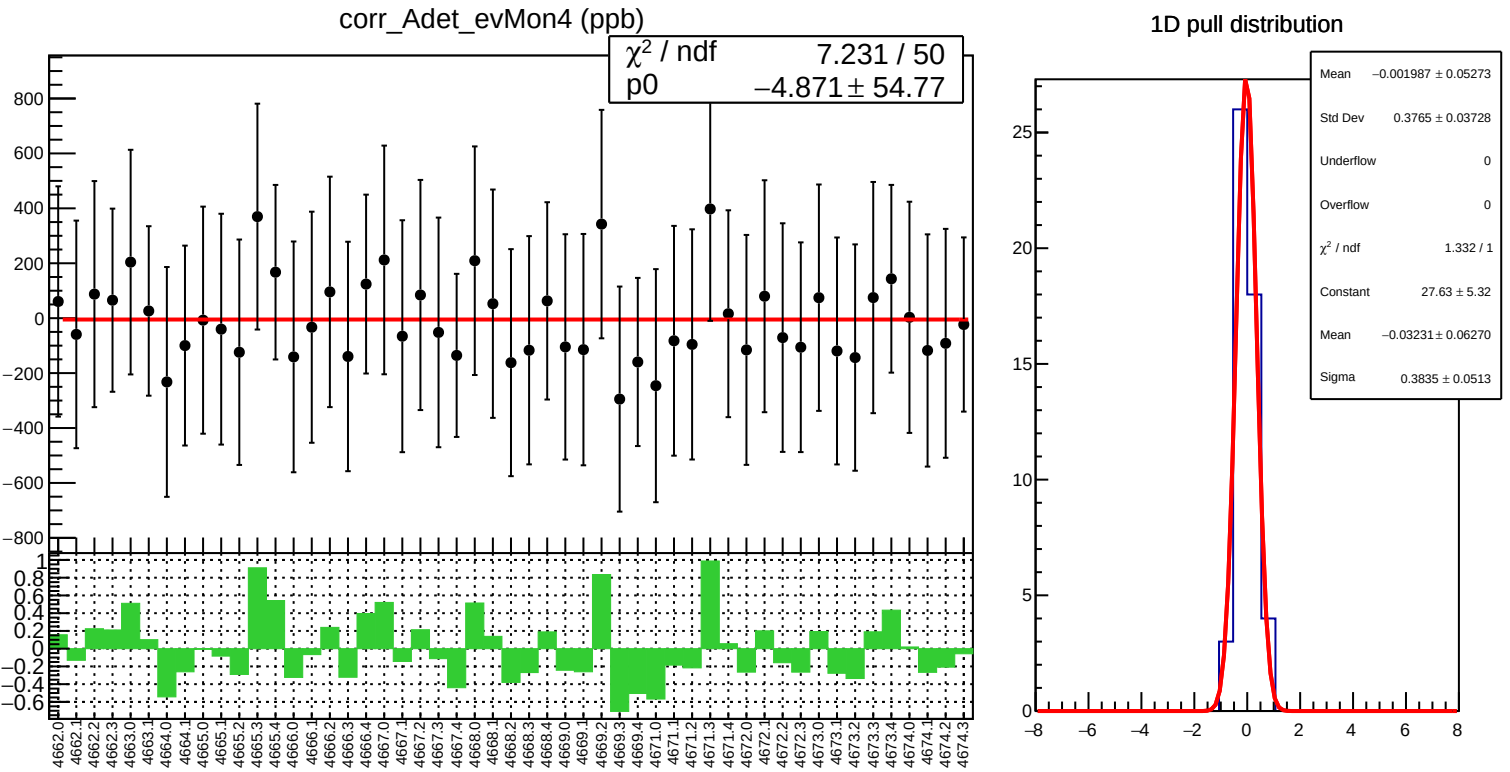

1D pull distribution
Mean −0.002662 ± 0.1899
Std Dev 1.356 ± 0.1343
Underflow 0
Overflow 0
χ² / ndf 4.75 / 9
Constant 8.385 ± 1.888
Mean −0.2448 ± 0.2901
Sigma 1.248 ± 0.288

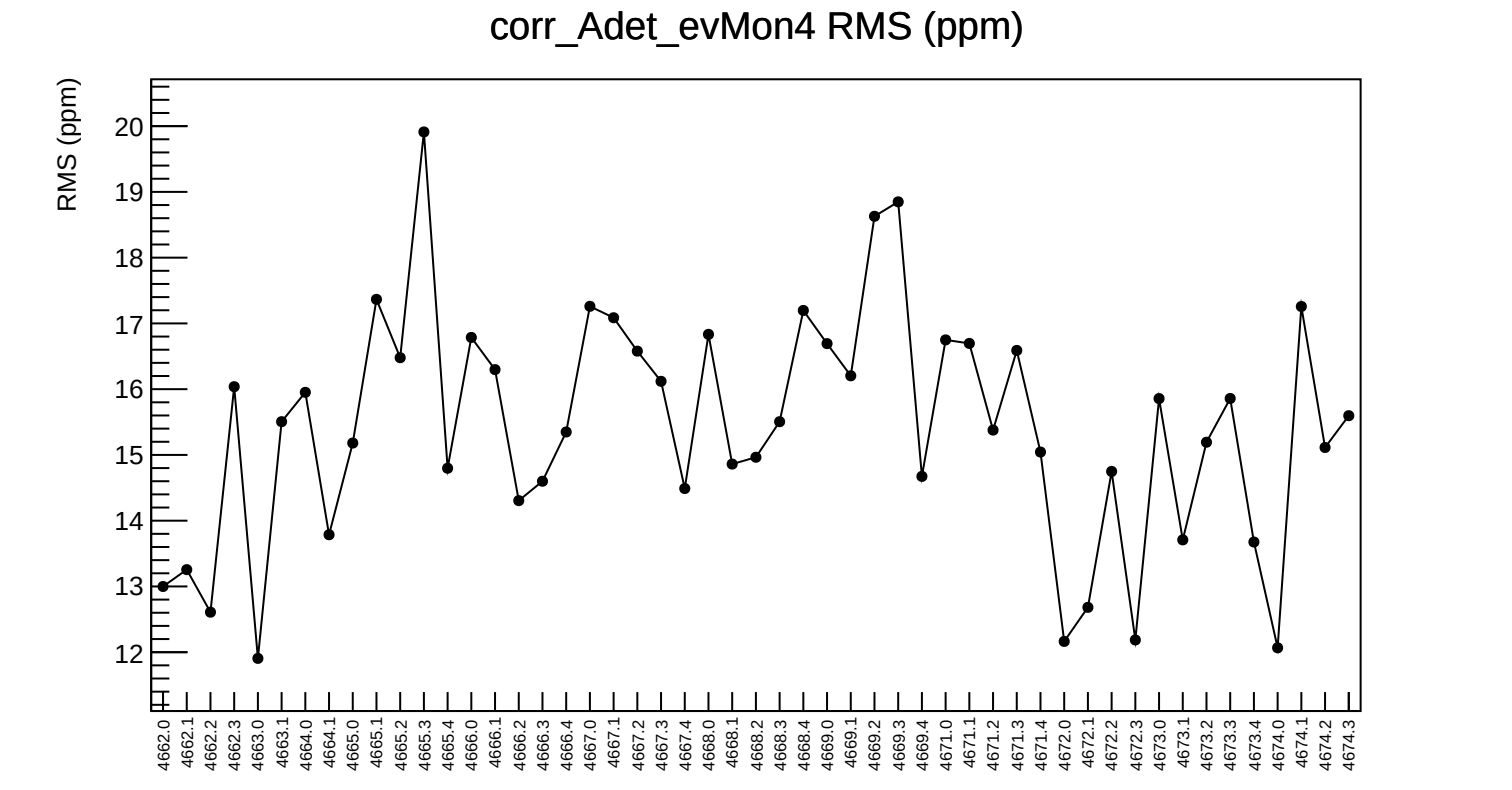

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
450
400
350
300
250
200
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

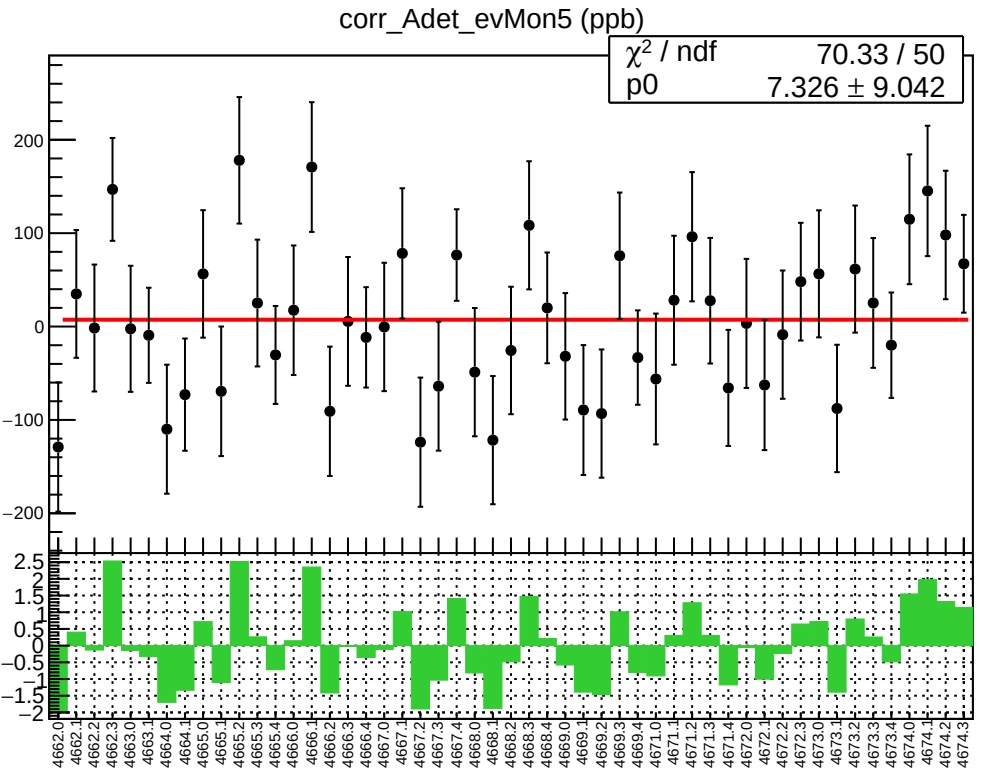

corr_Adet_evMon3 (ppb)
χ² / ndf 142.8 / 50
p0 133.3 ± 42.54

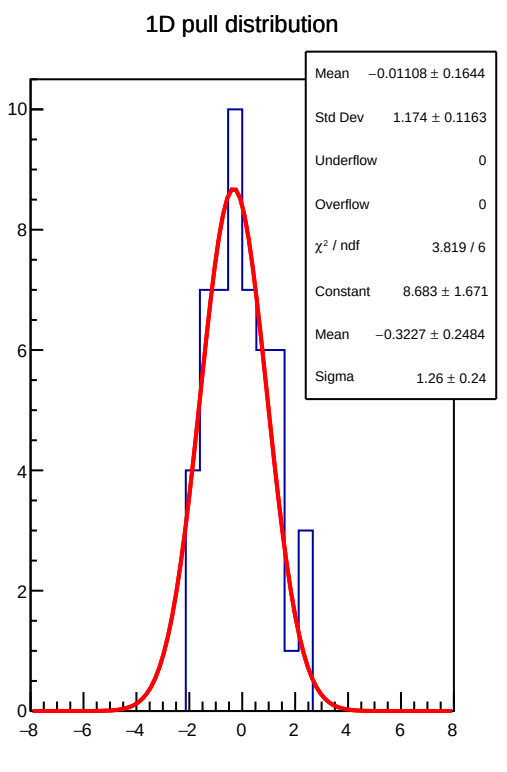

1D pull distribution
Mean −0.03452 ± 0.2342
Std Dev 1.673 ± 0.1656
Underflow 0
Overflow 0
χ² / ndf 5.992 / 10
Constant 5.314 ± 1.028
Mean −0.5473 ± 0.4344
Sigma 2.084 ± 0.430

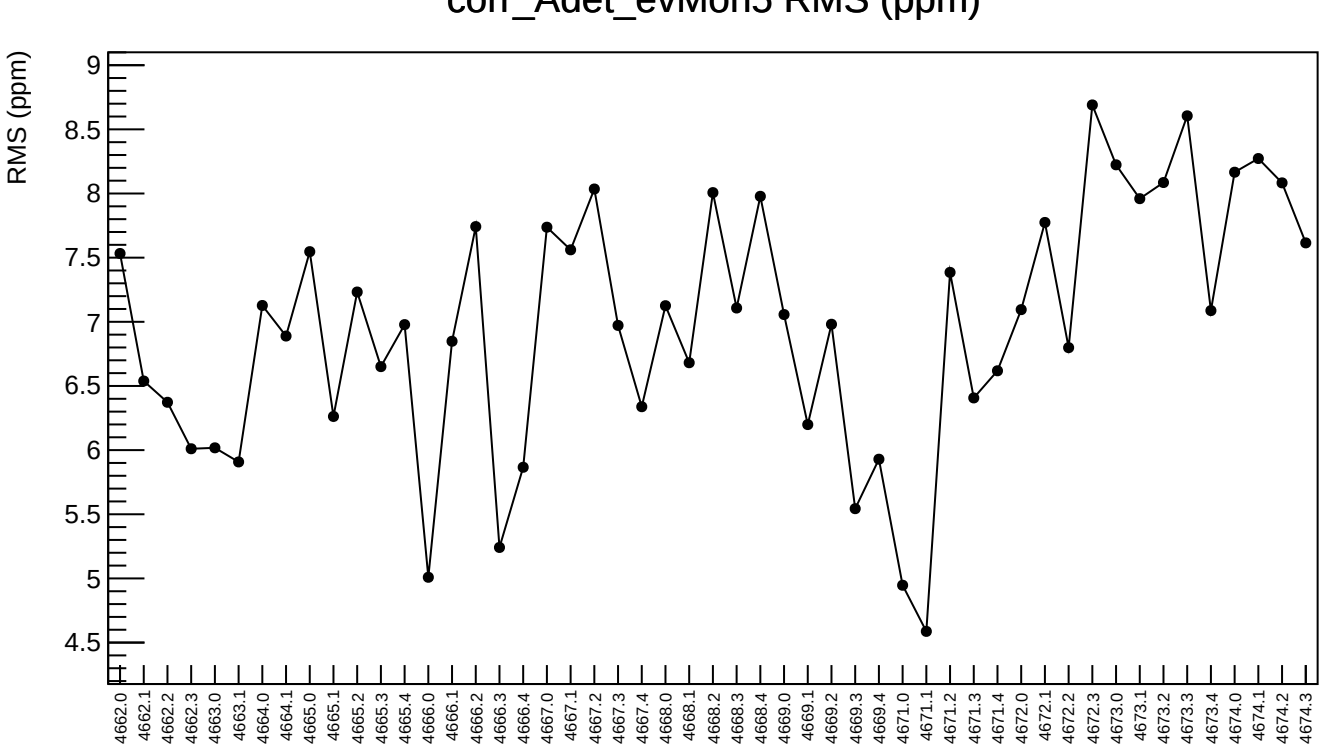

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
58
56
54
52
50
48
46
44
42
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

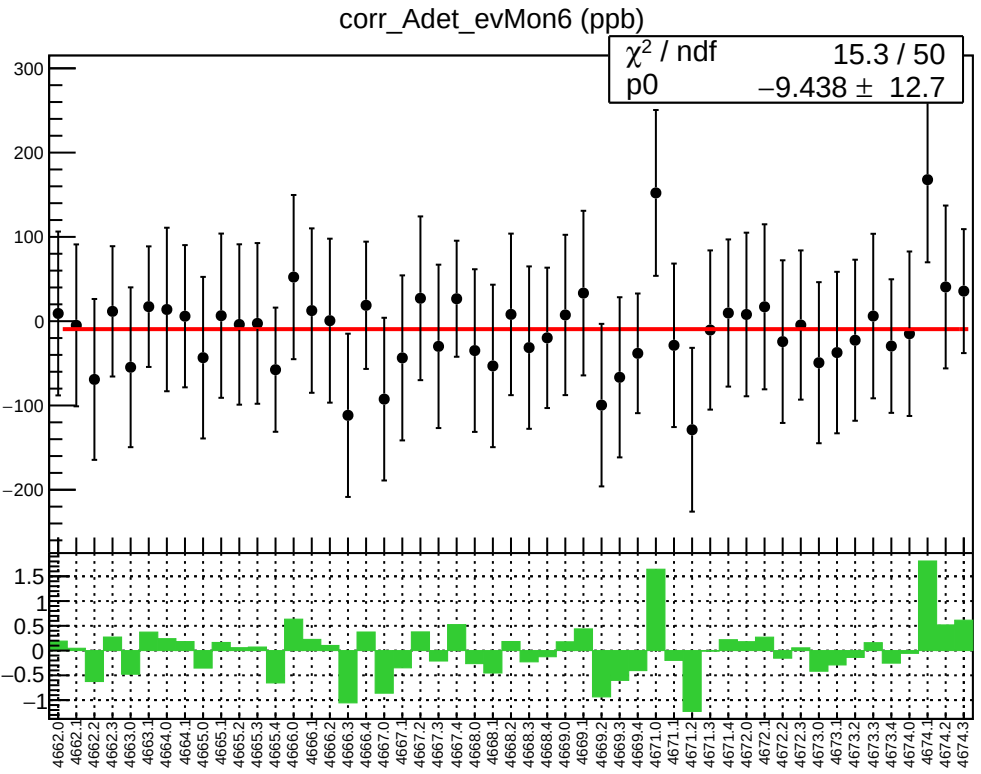

corr_Adet_evMon4 (ppb)
χ² / ndf 7.231 / 50
p0 −4.871 ± 54.77
1D pull distribution
Mean −0.001987 ± 0.05273
Std Dev 0.3765 ± 0.03728
Underflow 0
Overflow 0
χ² / ndf 1.332 / 1
Constant 27.63 ± 5.32
Mean −0.03231 ± 0.06270
Sigma 0.3835 ± 0.0513

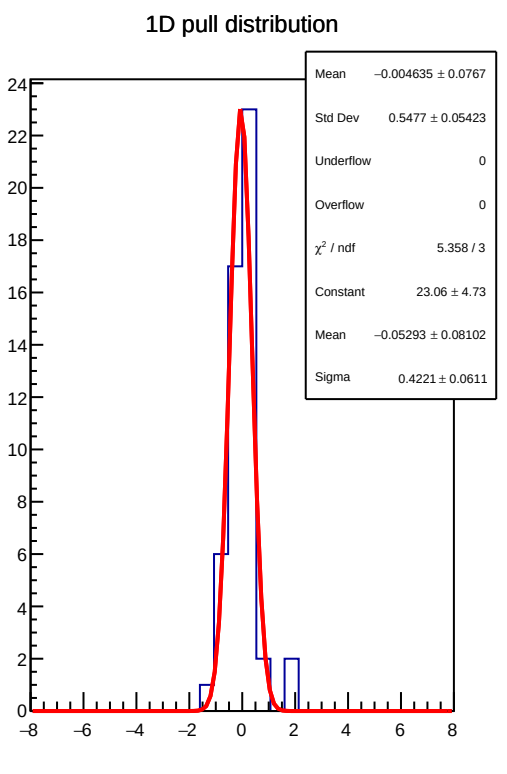

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
20
19
18
17
16
15
14
13
12
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

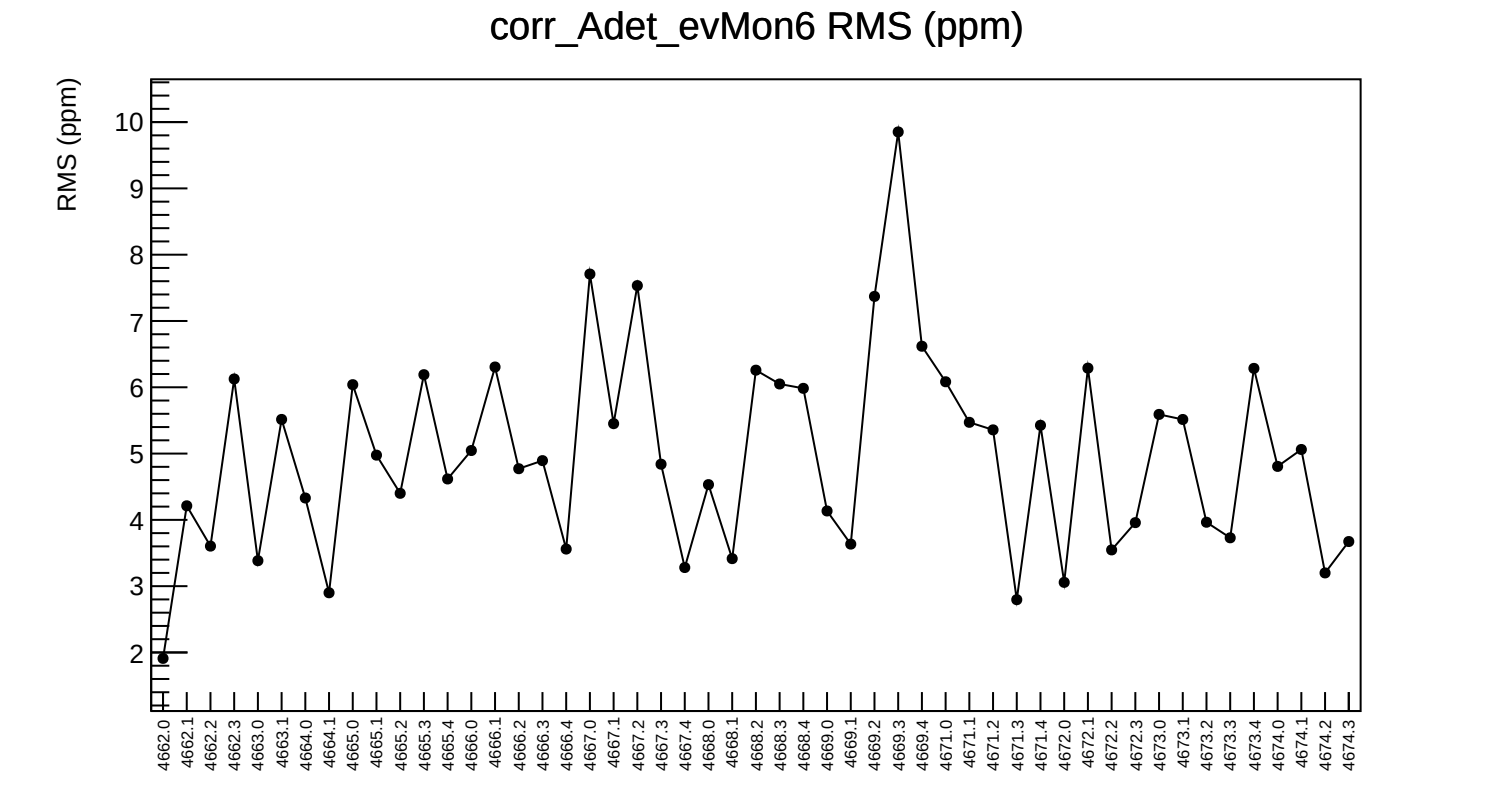

corr_Adet_evMon5 (ppb)
χ² / ndf 70.33 / 50
p0 7.326 ± 9.042

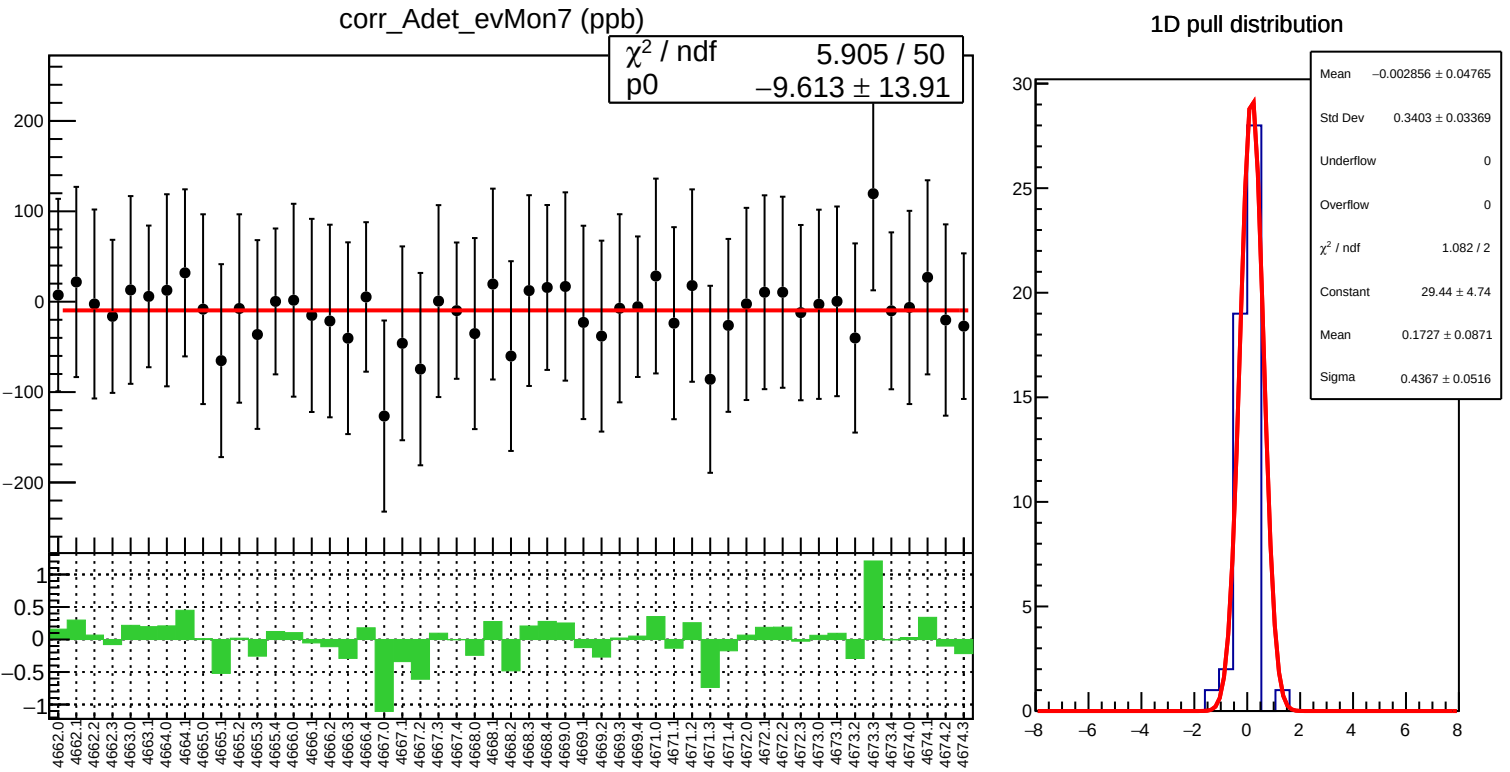

1D pull distribution
Mean −0.01108 ± 0.1644
Std Dev 1.174 ± 0.1163
Underflow 0
Overflow 0
χ² / ndf 3.819 / 6
Constant 8.683 ± 1.671
Mean −0.3227 ± 0.2484
Sigma 1.26 ± 0.24

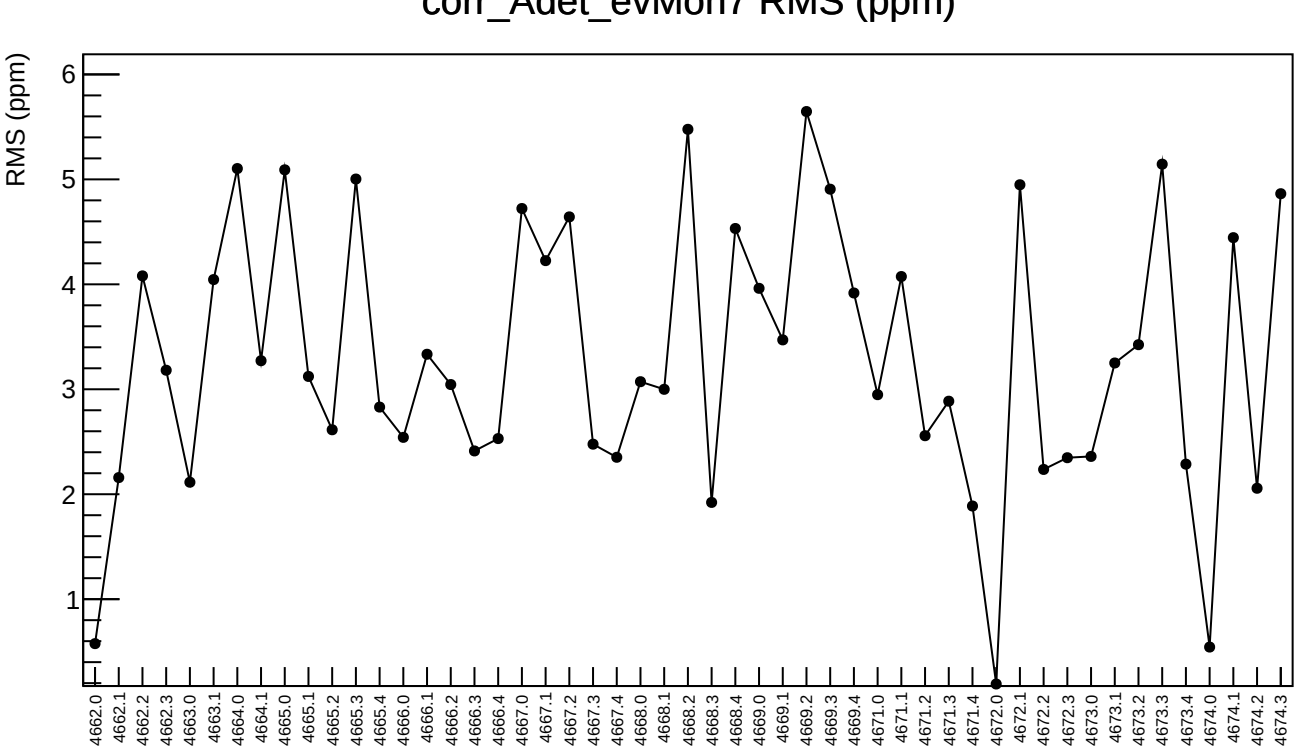

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
9
8.5
8
7.5
7
6.5
6
5.5
5
4.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

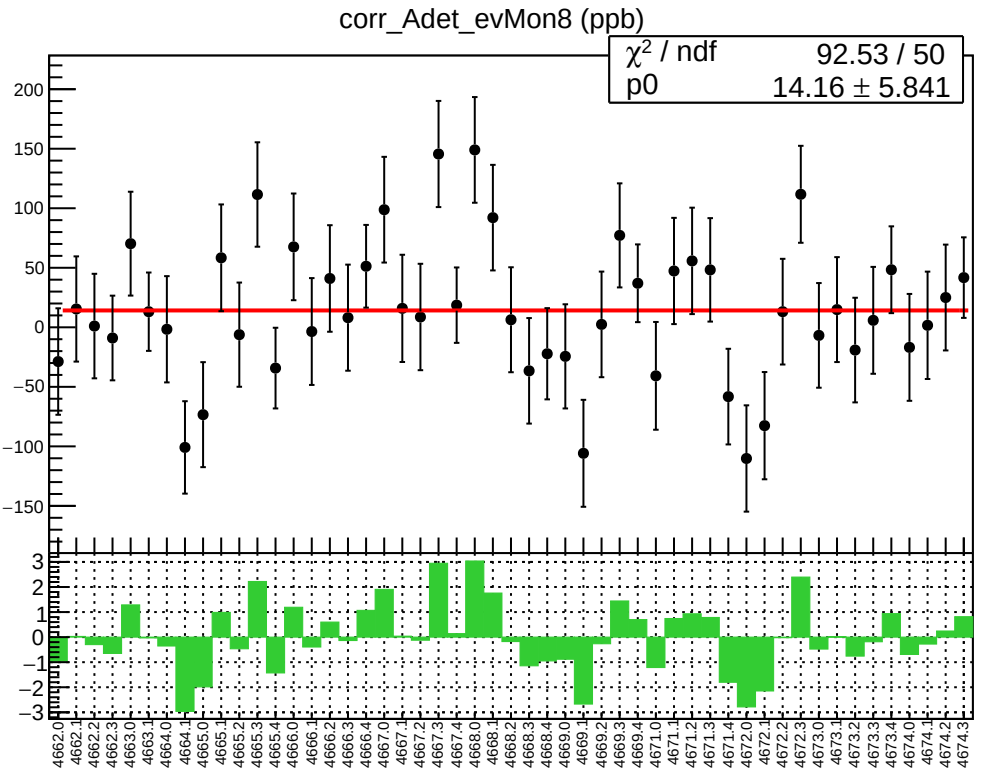

corr_Adet_evMon6 (ppb)
χ² / ndf 15.3 / 50
p0 −9.438 ± 12.7
300
200
100
0
−100
−200
1.5
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
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

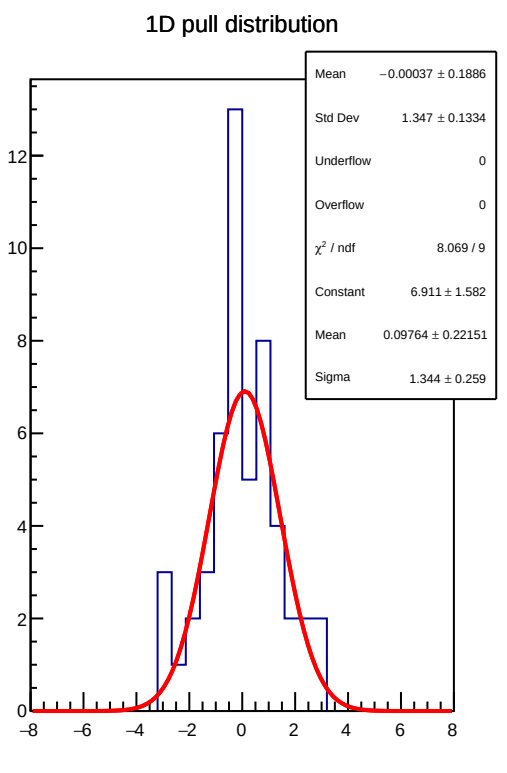

1D pull distribution
Mean −0.004635 ± 0.0767
Std Dev 0.5477 ± 0.05423
Underflow 0
Overflow 0
χ² / ndf 5.358 / 3
Constant 23.06 ± 4.73
Mean −0.05293 ± 0.08102
Sigma 0.4221 ± 0.0611
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

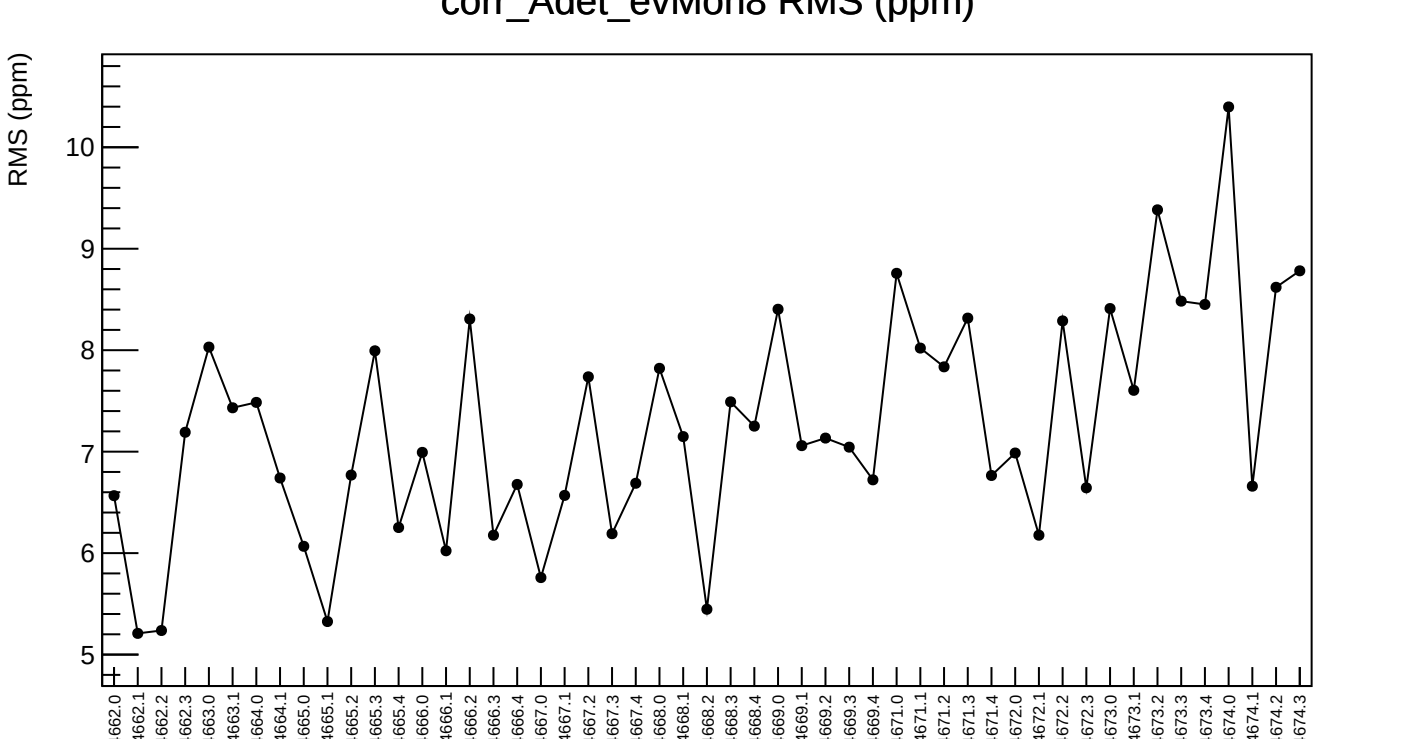

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

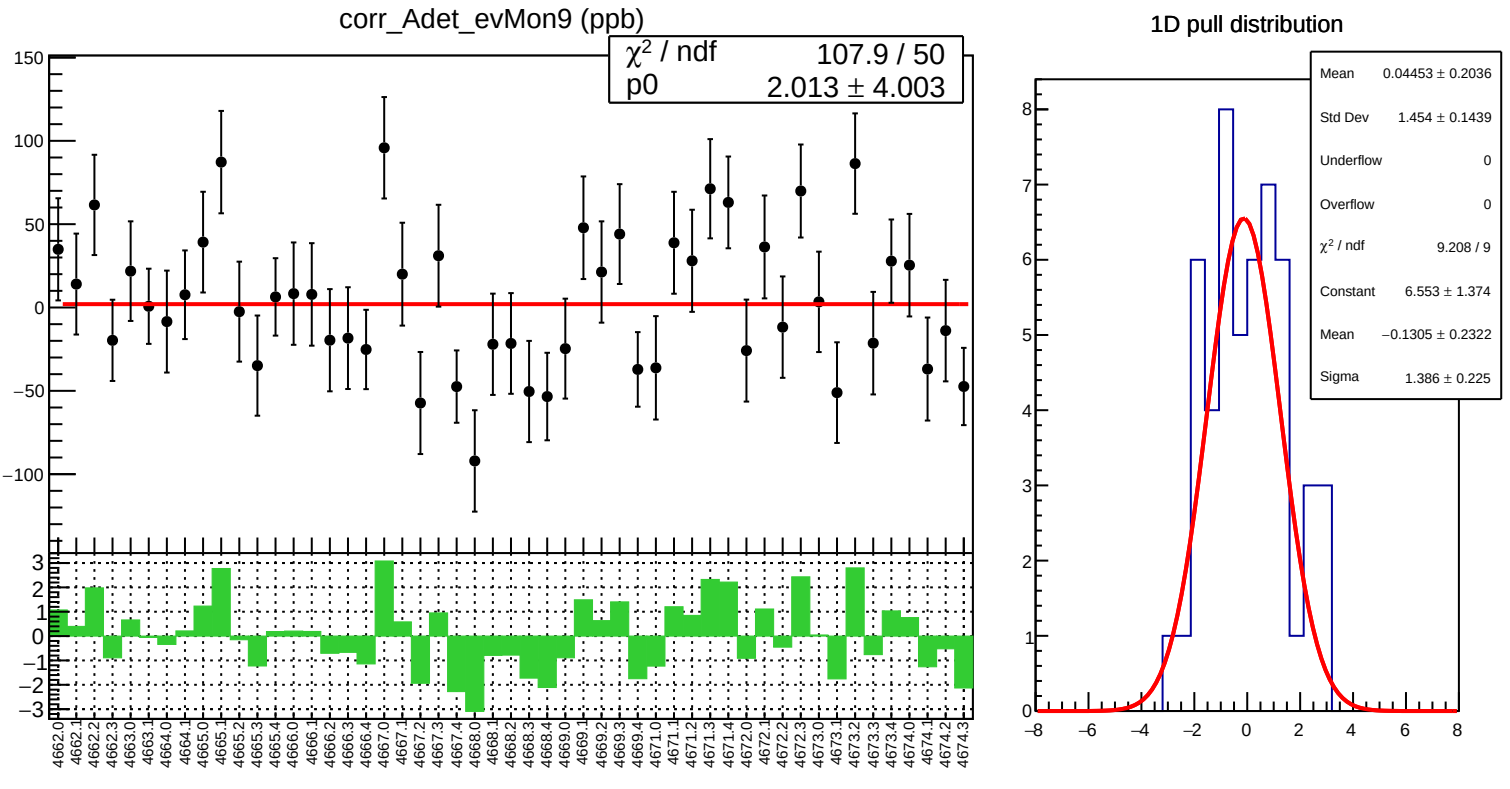

corr_Adet_evMon7 (ppb)
χ² / ndf 5.905 / 50
p0 −9.613 ± 13.91
200
100
0
−100
−200
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
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 −0.002856 ± 0.04765
Std Dev 0.3403 ± 0.03369
Underflow 0
Overflow 0
χ² / ndf 1.082 / 2
Constant 29.44 ± 4.74
Mean 0.1727 ± 0.0871
Sigma 0.4367 ± 0.0516
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

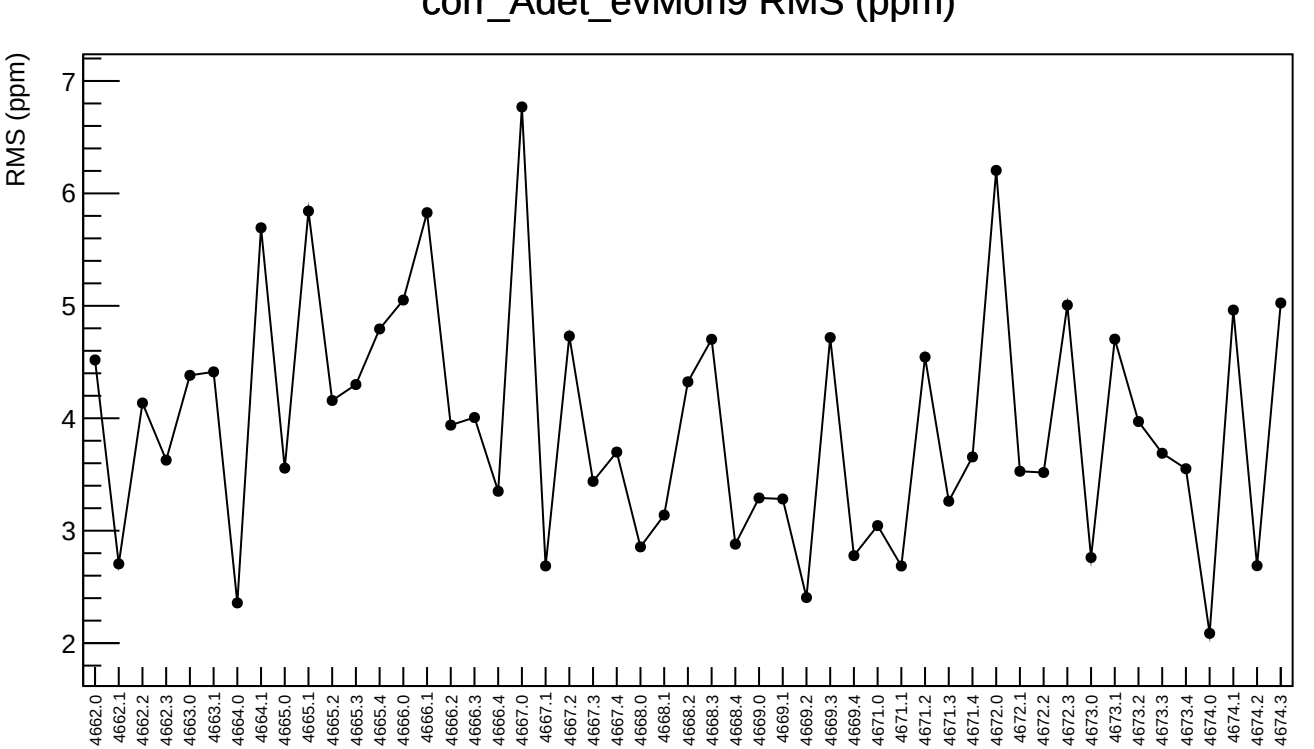

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

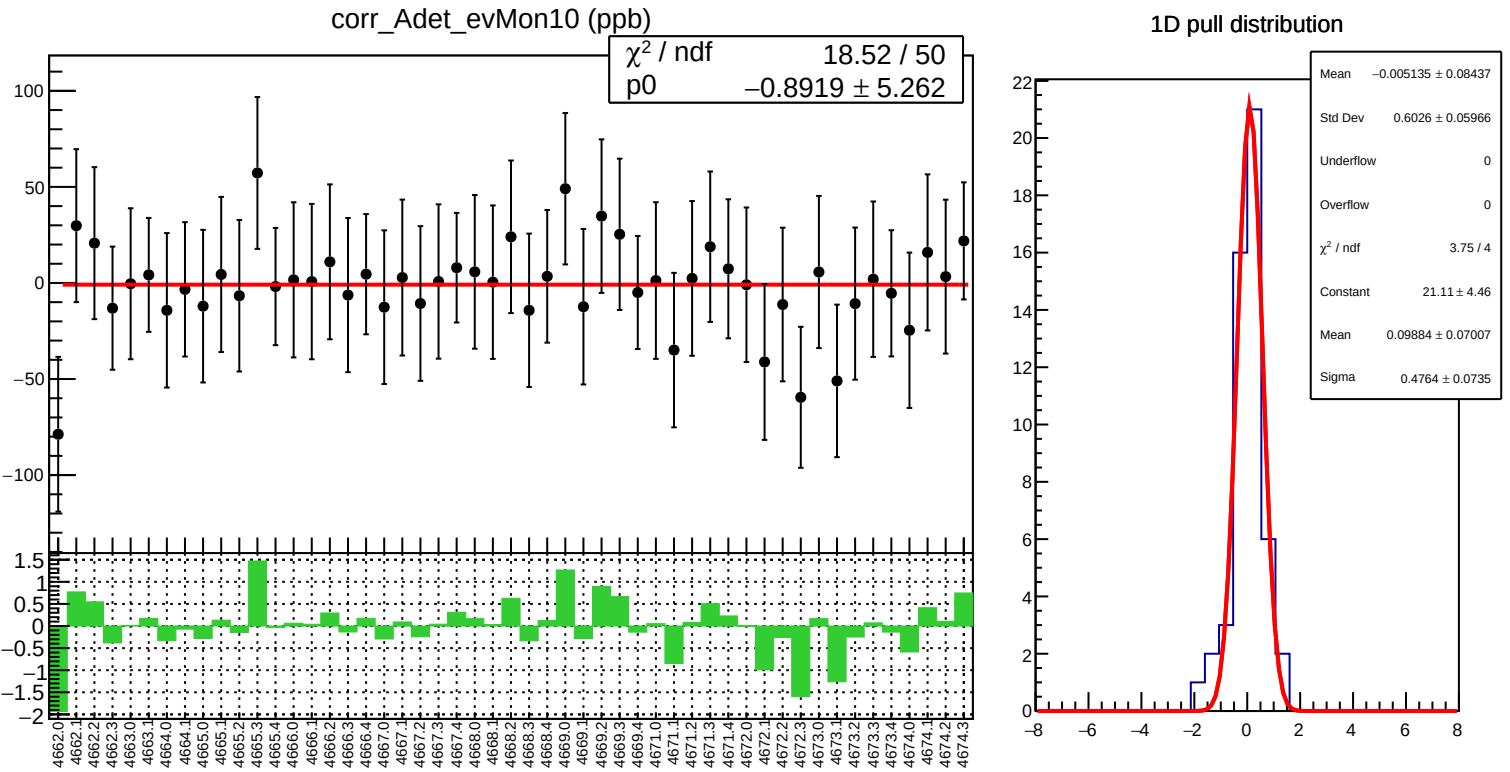

corr_Adet_evMon8 (ppb)
χ² / ndf 92.53 / 50
p0 14.16 ± 5.841
200
150
100
50
0
−50
−100
−150
3
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
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

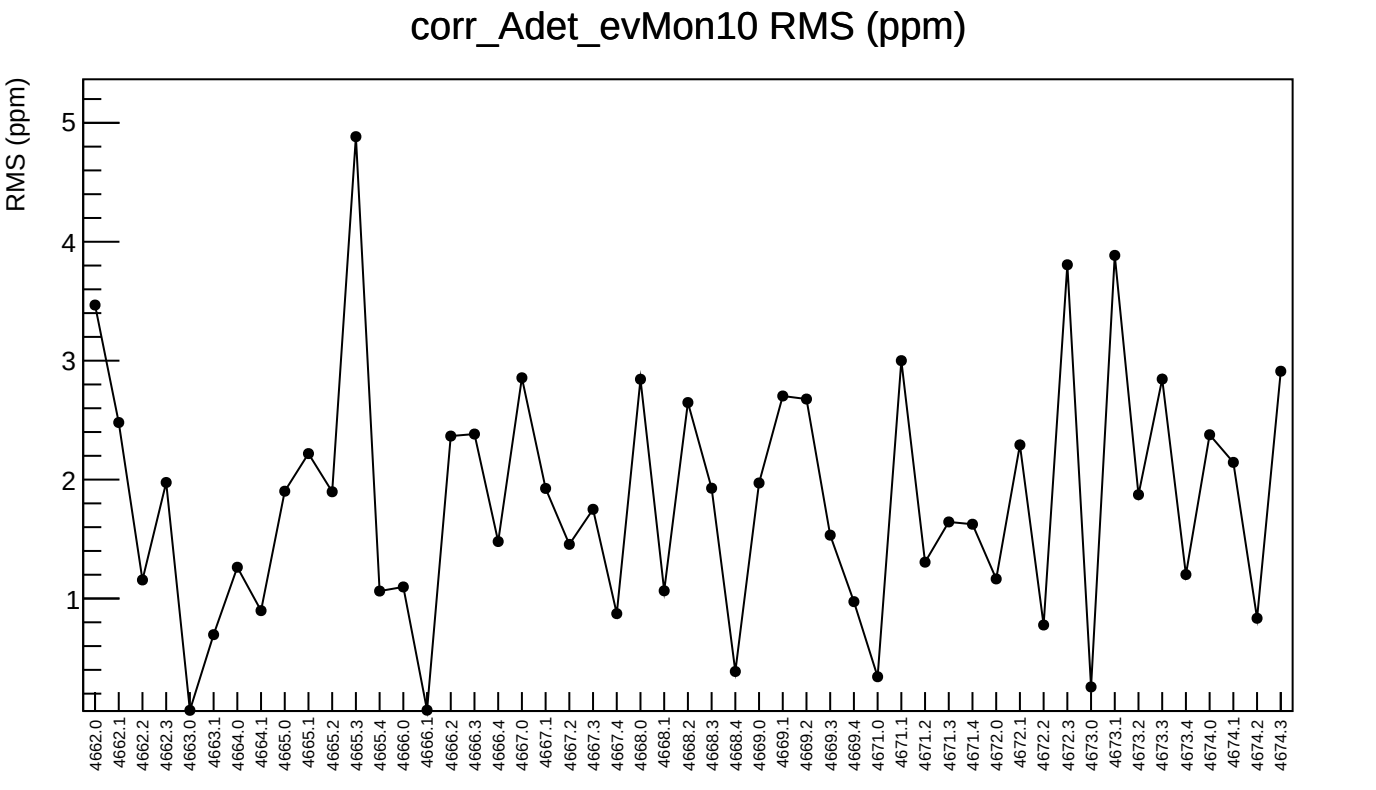

1D pull distribution
Mean −0.00037 ± 0.1886
Std Dev 1.347 ± 0.1334
Underflow 0
Overflow 0
χ² / ndf 8.069 / 9
Constant 6.911 ± 1.582
Mean 0.09764 ± 0.22151
Sigma 1.344 ± 0.259
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

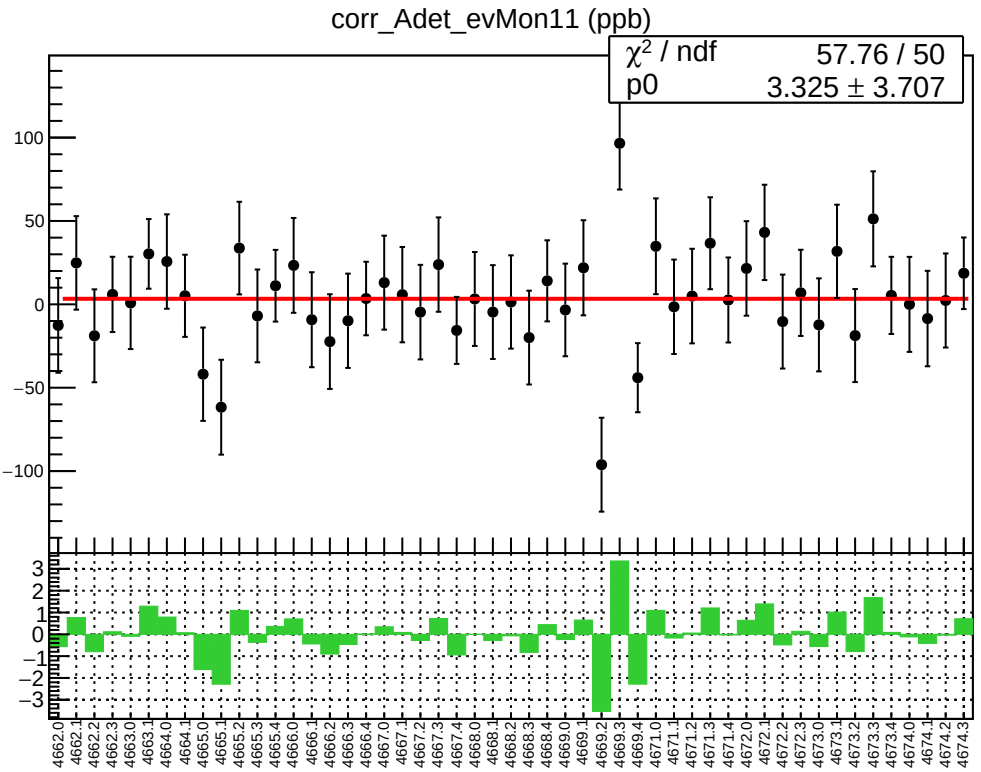

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

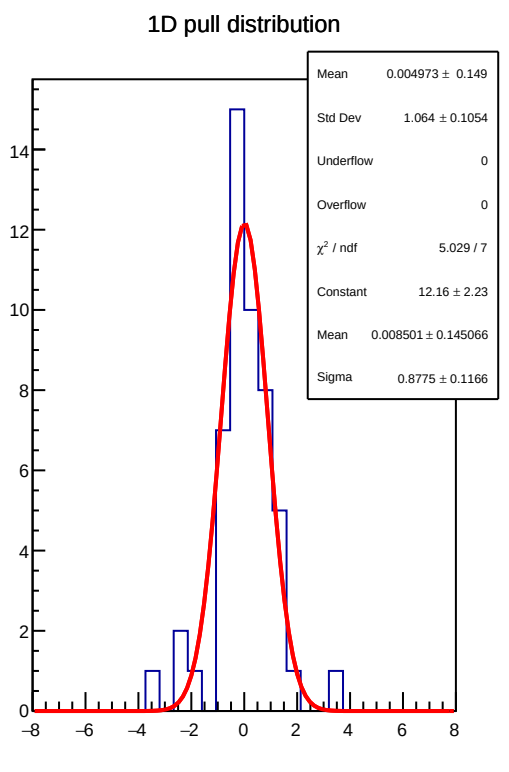

corr_Adet_evMon9 (ppb)
χ² / ndf 107.9 / 50
p0 2.013 ± 4.003
1D pull distribution
Mean 0.04453 ± 0.2036
Std Dev 1.454 ± 0.1439
Underflow 0
Overflow 0
χ² / ndf 9.208 / 9
Constant 6.553 ± 1.374
Mean −0.1305 ± 0.2322
Sigma 1.386 ± 0.225

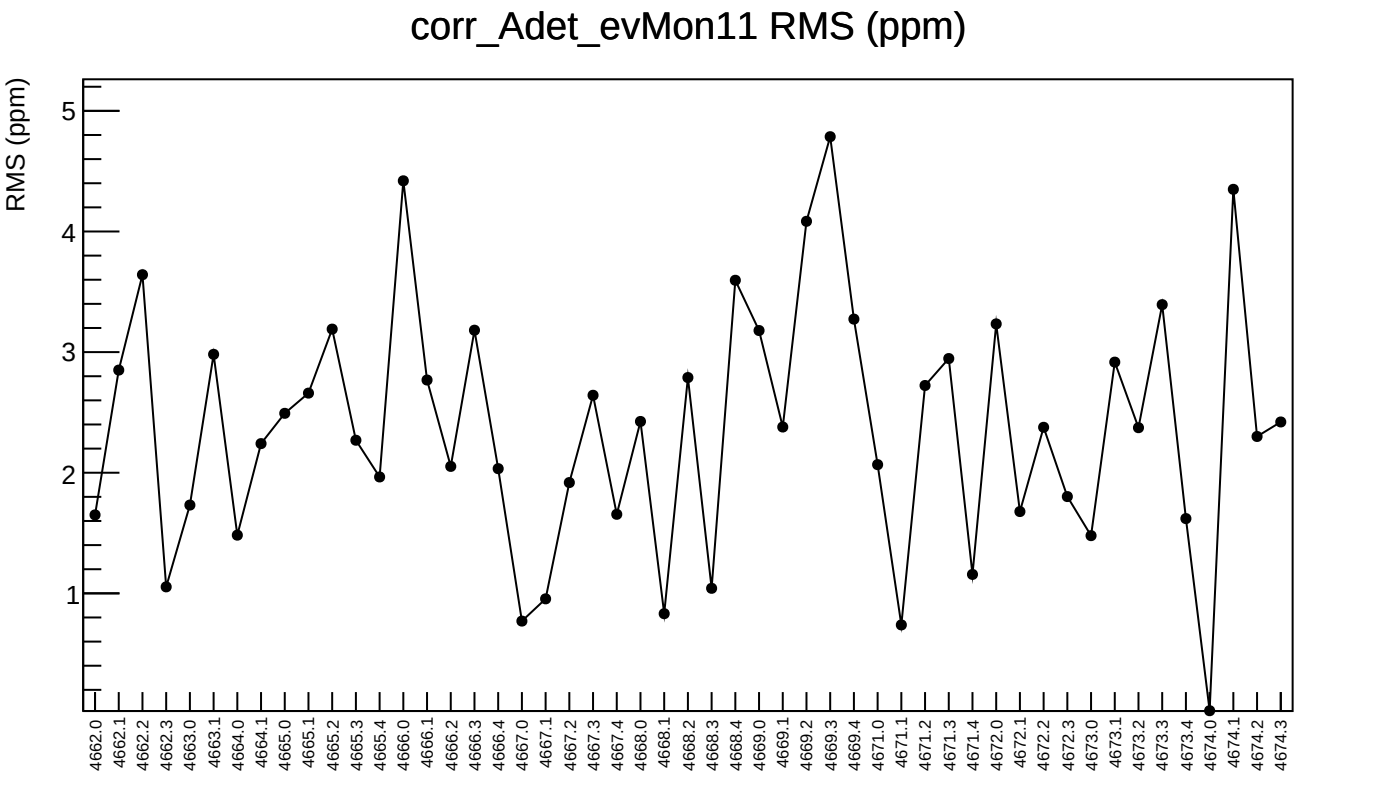

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

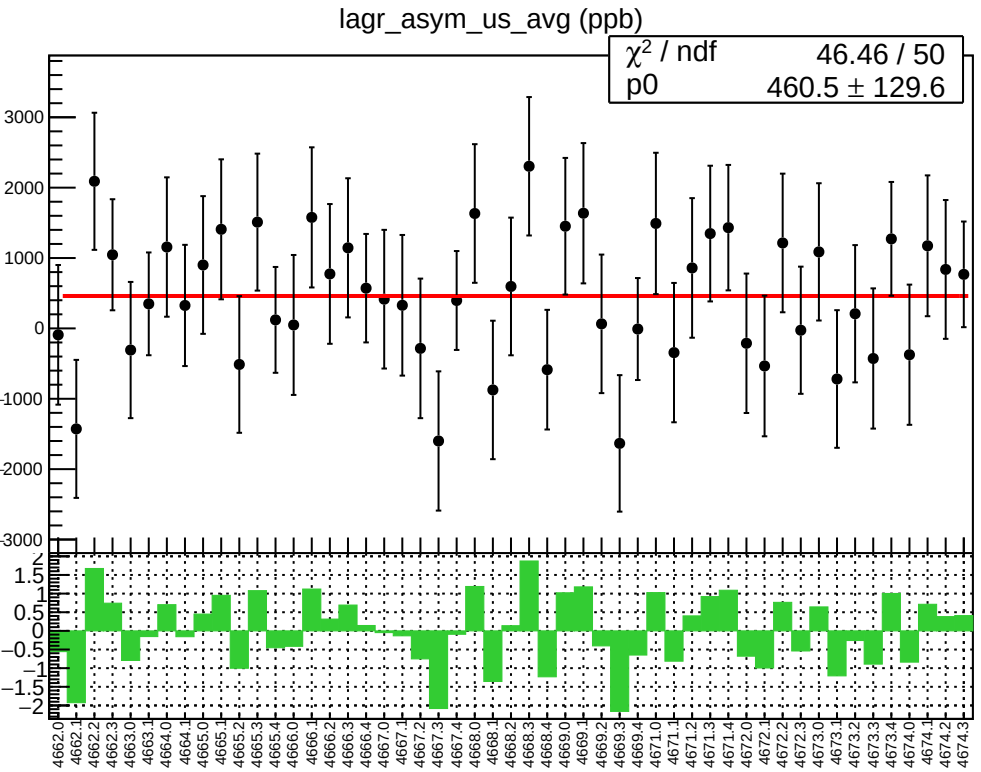

corr_Adet_evMon10 (ppb)
χ² / ndf 18.52 / 50
p0 −0.8919 ± 5.262
1D pull distribution
Mean −0.005135 ± 0.08437
Std Dev 0.6026 ± 0.05966
Underflow 0
Overflow 0
χ² / ndf 3.75 / 4
Constant 21.11 ± 4.46
Mean 0.09884 ± 0.07007
Sigma 0.4764 ± 0.0735

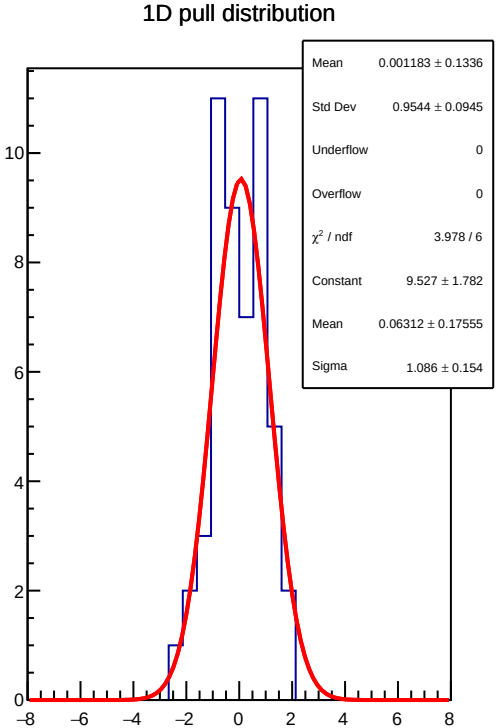

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

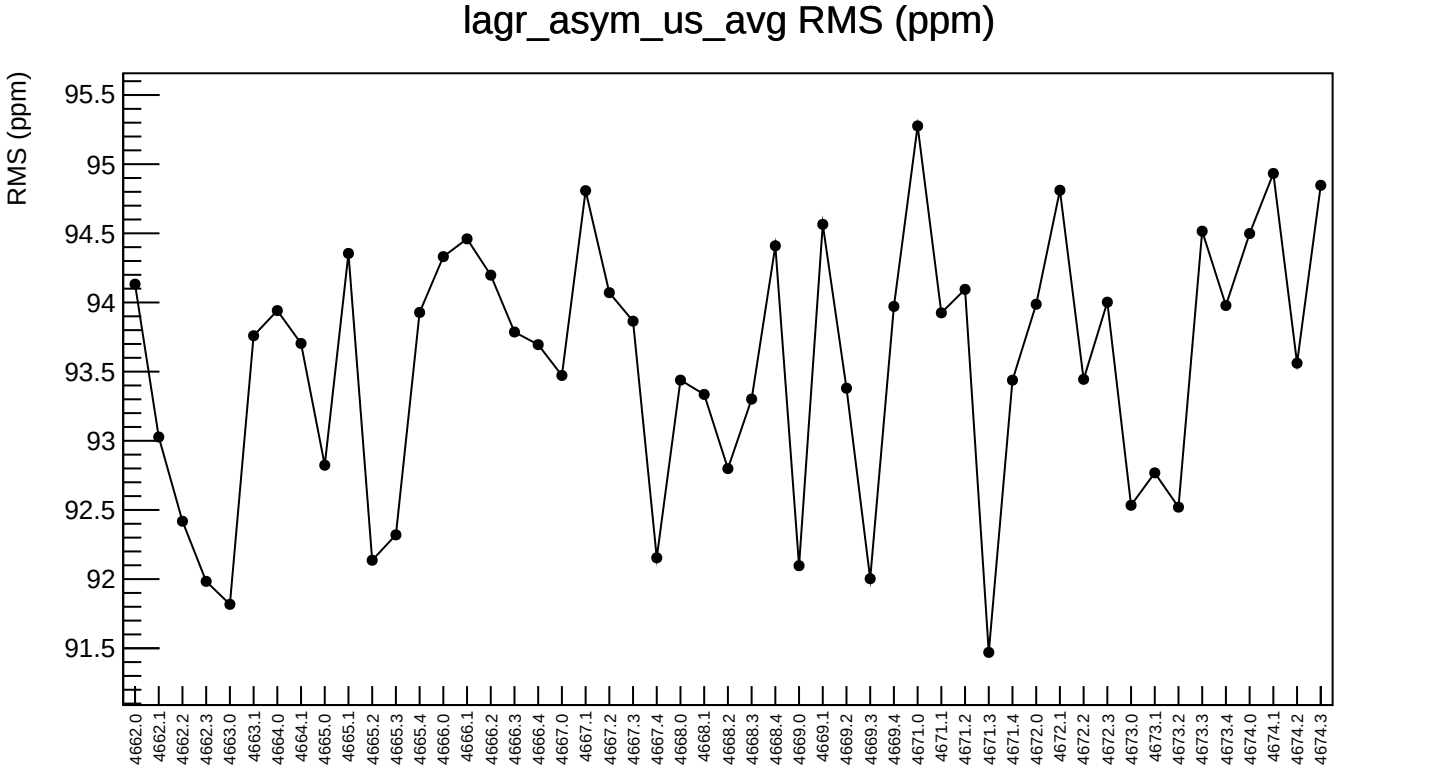

corr_Adet_evMon11 (ppb)
χ² / ndf 57.76 / 50
p0 3.325 ± 3.707
100
50
0
−50
−100
3
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
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

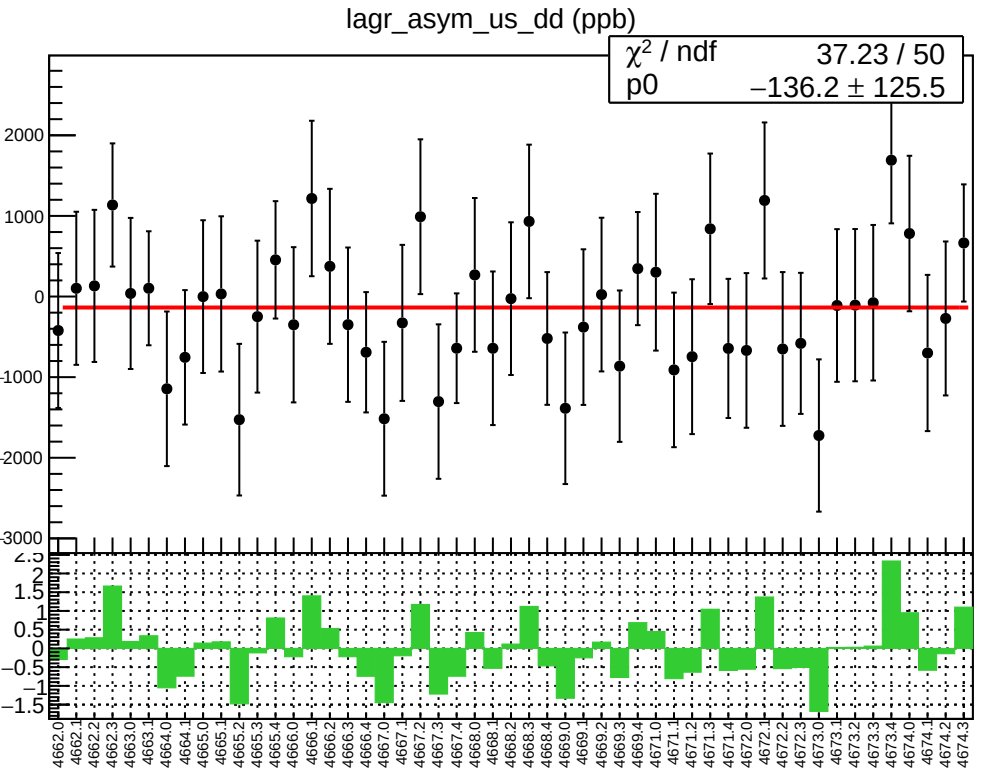

1D pull distribution
Mean 0.004973 ± 0.149
Std Dev 1.064 ± 0.1054
Underflow 0
Overflow 0
χ² / ndf 5.029 / 7
Constant 12.16 ± 2.23
Mean 0.008501 ± 0.145066
Sigma 0.8775 ± 0.1166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

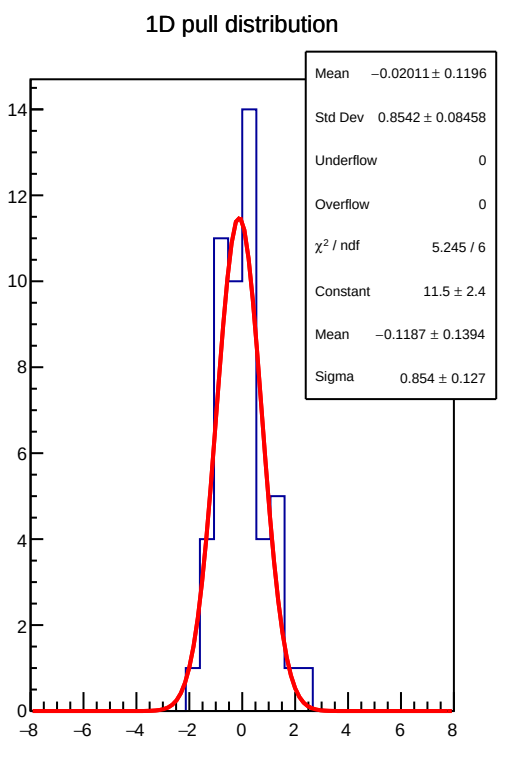

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

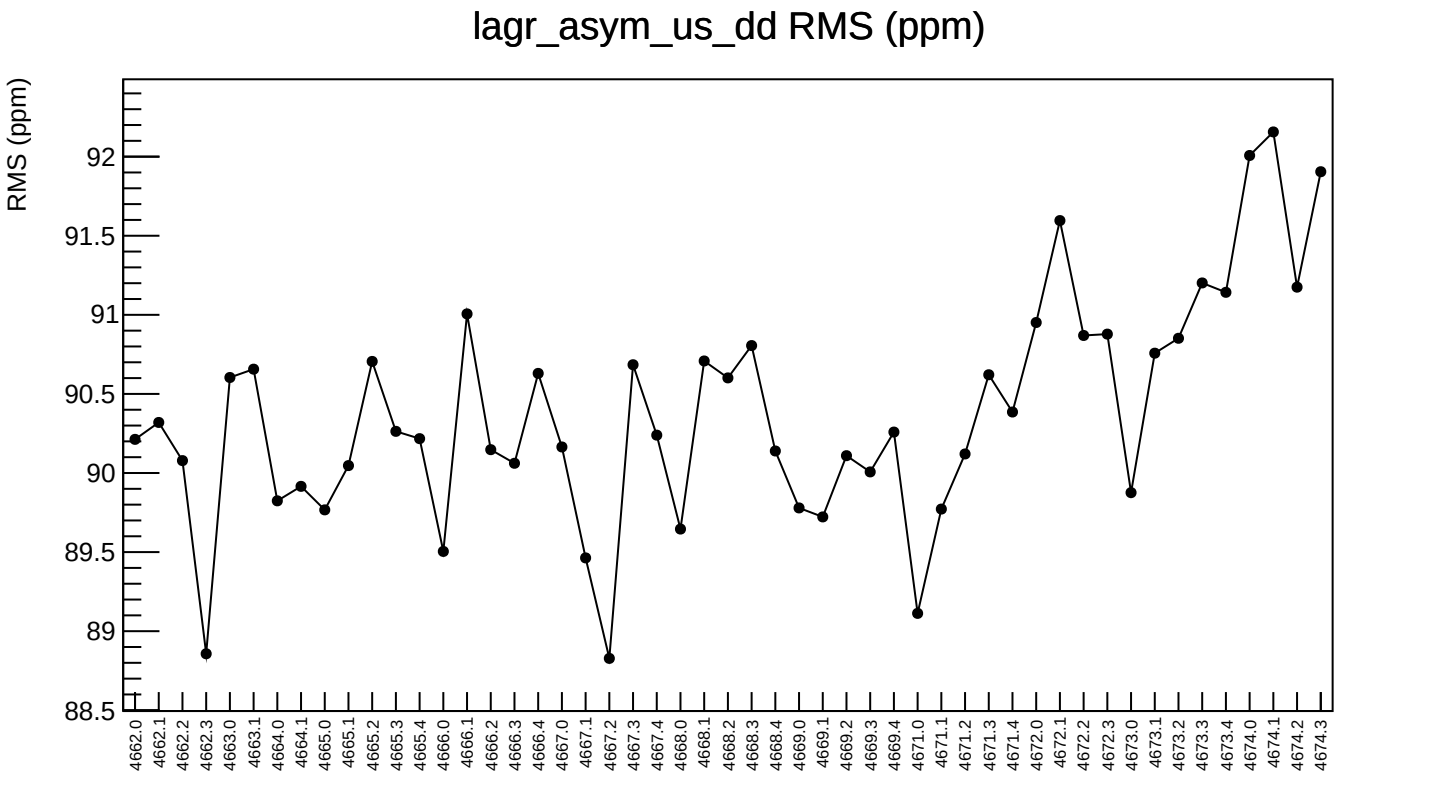

lagr_asym_us_avg (ppb)
χ² / ndf 46.46 / 50
p0 460.5 ± 129.6
3000
2000
1000
0
-1000
-2000
-3000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

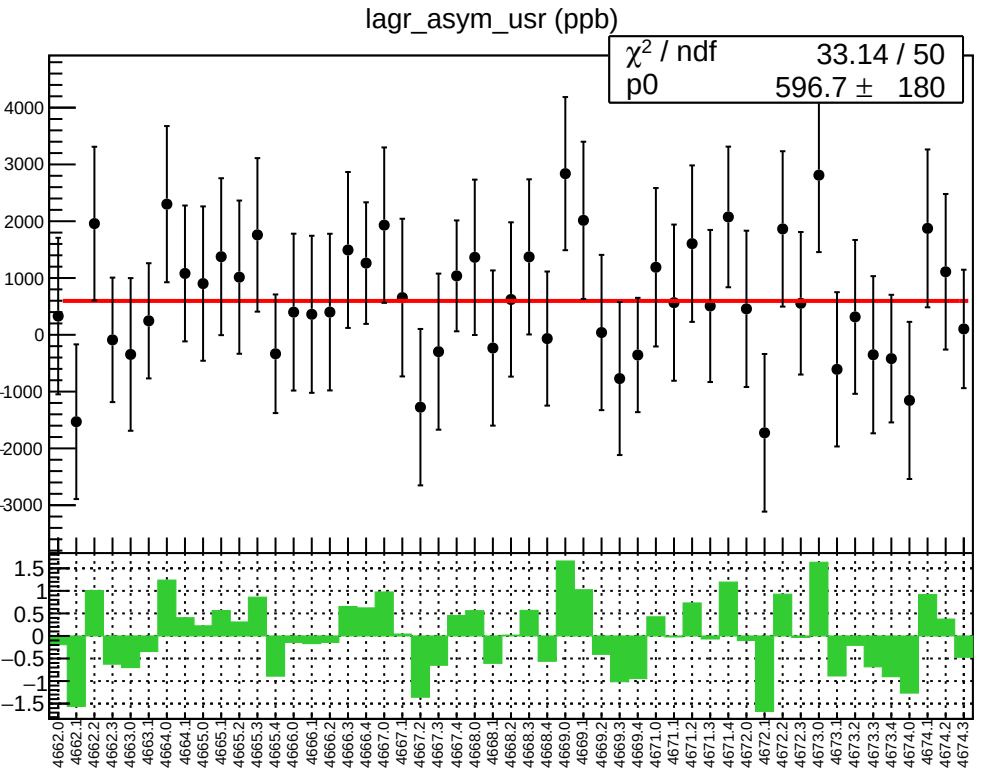

1D pull distribution
Mean 0.001183 ± 0.1336
Std Dev 0.9544 ± 0.0945
Underflow 0
Overflow 0
χ² / ndf 3.978 / 6
Constant 9.527 ± 1.782
Mean 0.06312 ± 0.17555
Sigma 1.086 ± 0.154
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

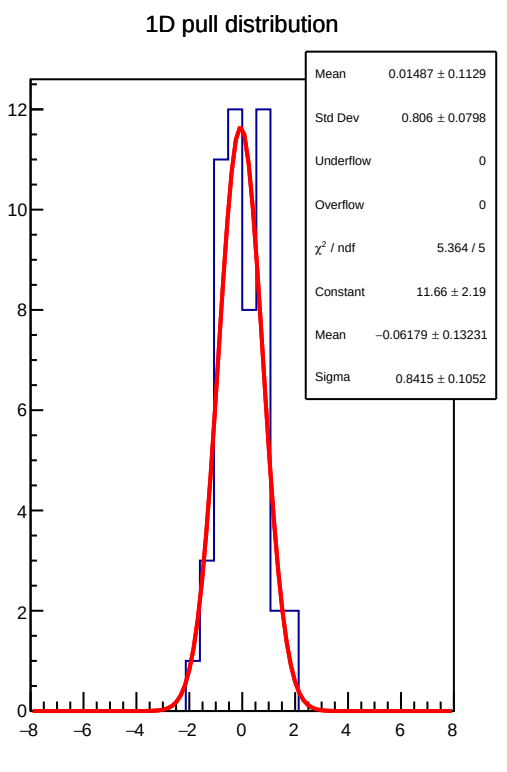

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
95.5
95
94.5
94
93.5
93
92.5
92
91.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
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

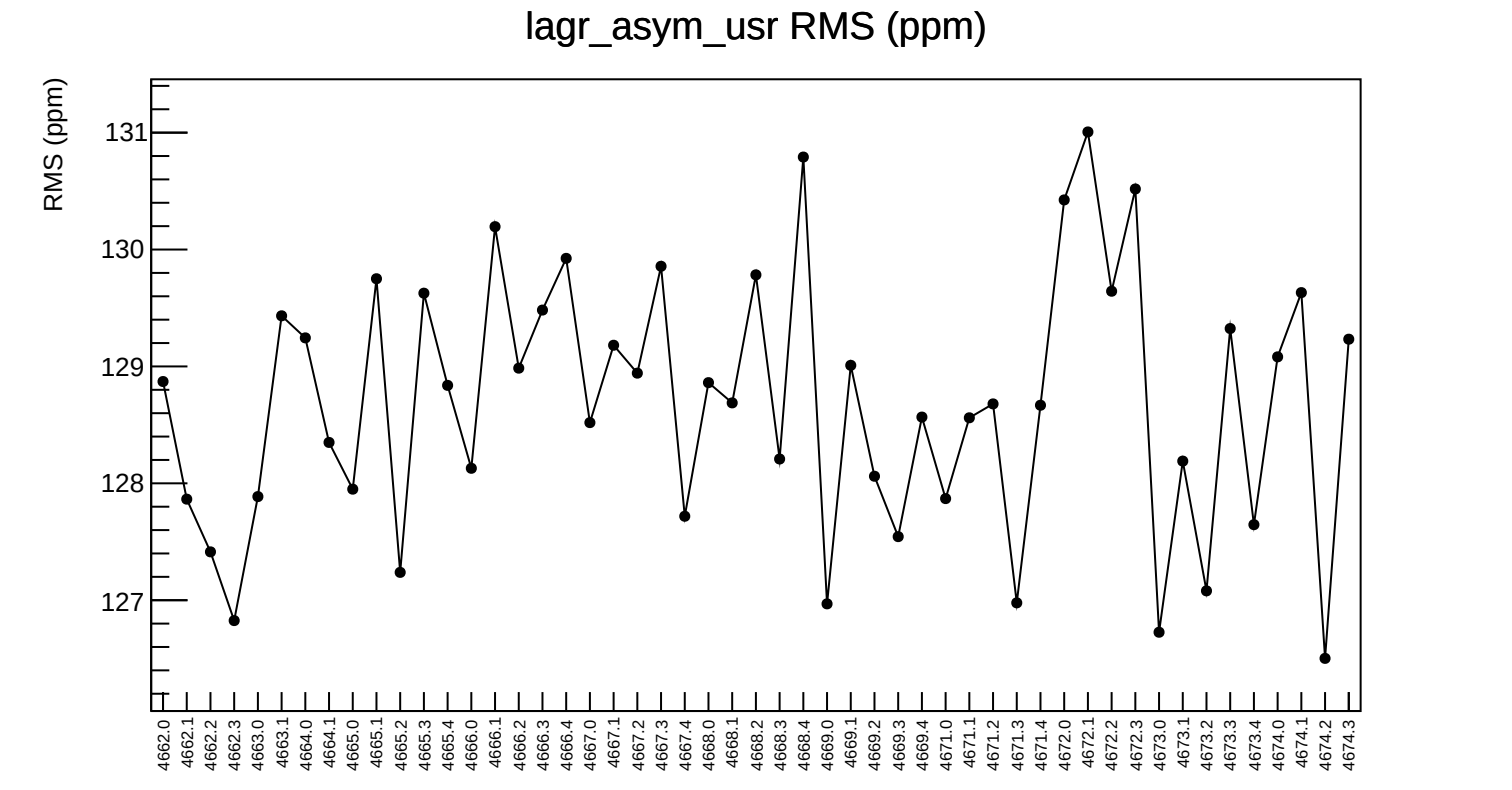

lagr_asym_us_dd (ppb)
χ² / ndf 37.23 / 50
p0 −136.2 ± 125.5
2000
1000
0
-1000
-2000
-3000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

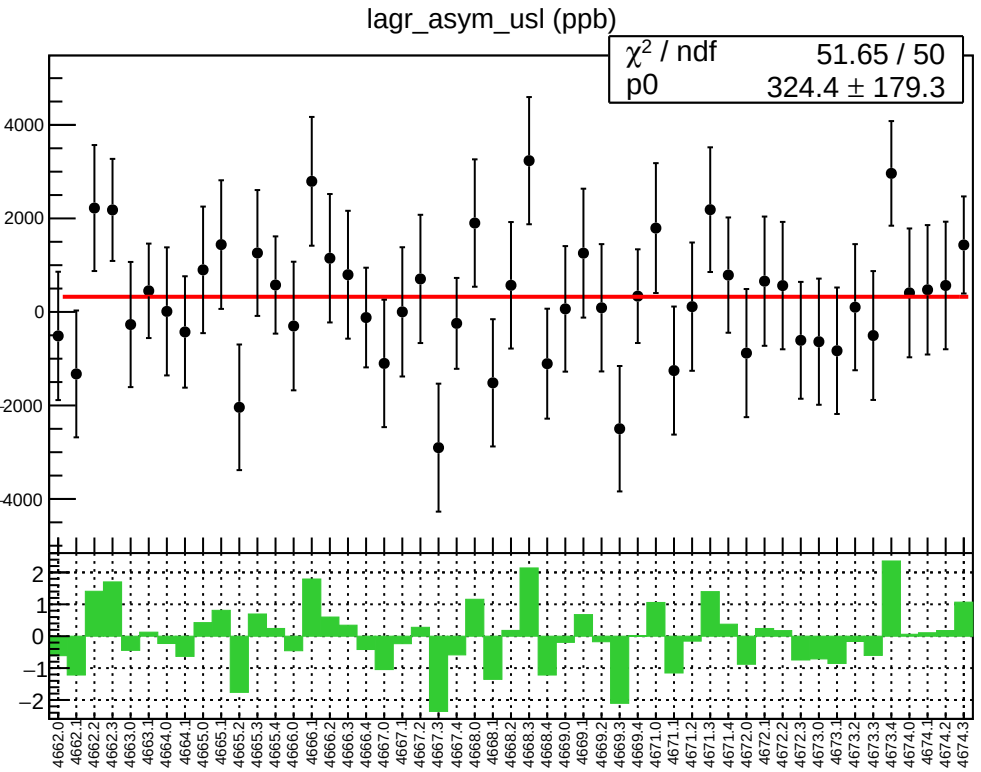

1D pull distribution
Mean −0.02011 ± 0.1196
Std Dev 0.8542 ± 0.08458
Underflow 0
Overflow 0
χ² / ndf 5.245 / 6
Constant 11.5 ± 2.4
Mean −0.1187 ± 0.1394
Sigma 0.854 ± 0.127
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

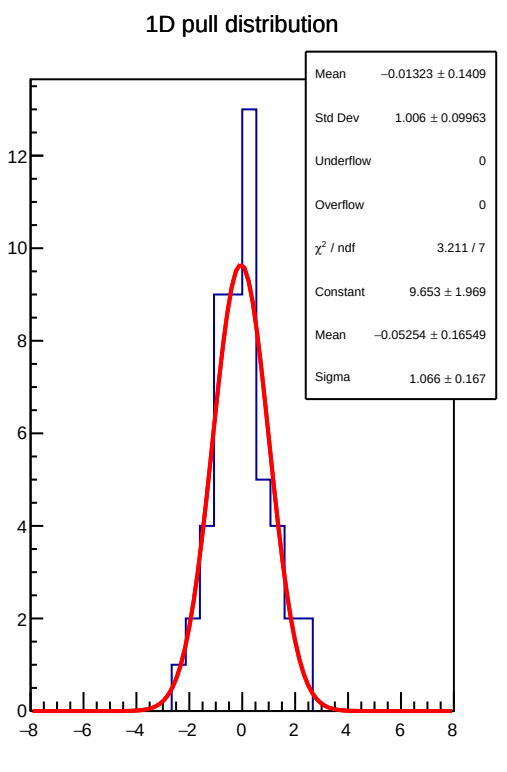

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
92
91.5
91
90.5
90
89.5
89
88.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

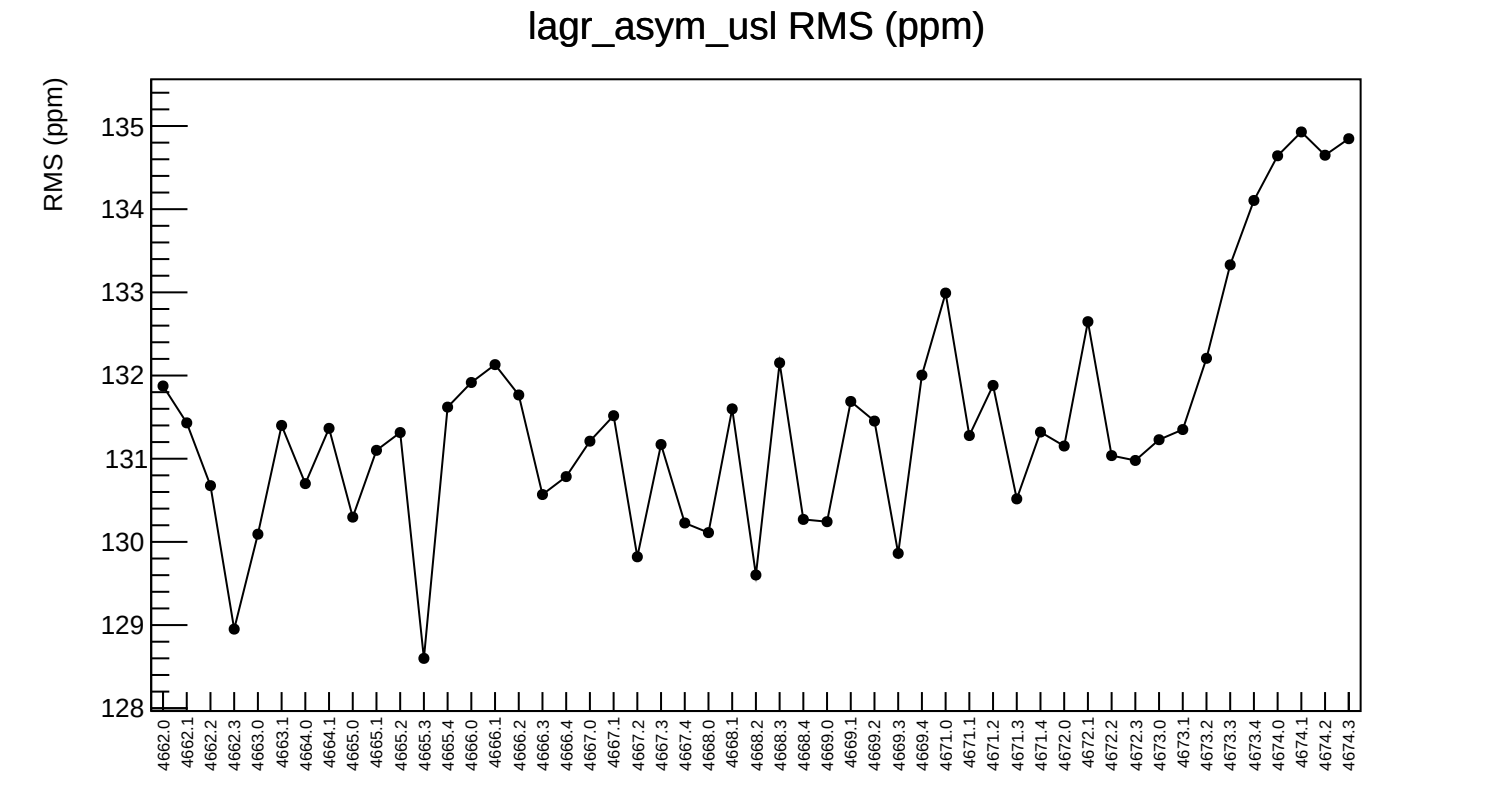

lagr_asym_usr (ppb)
χ² / ndf 33.14 / 50
p0 596.7 ± 180
4000
3000
2000
1000
0
-1000
-2000
-3000
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

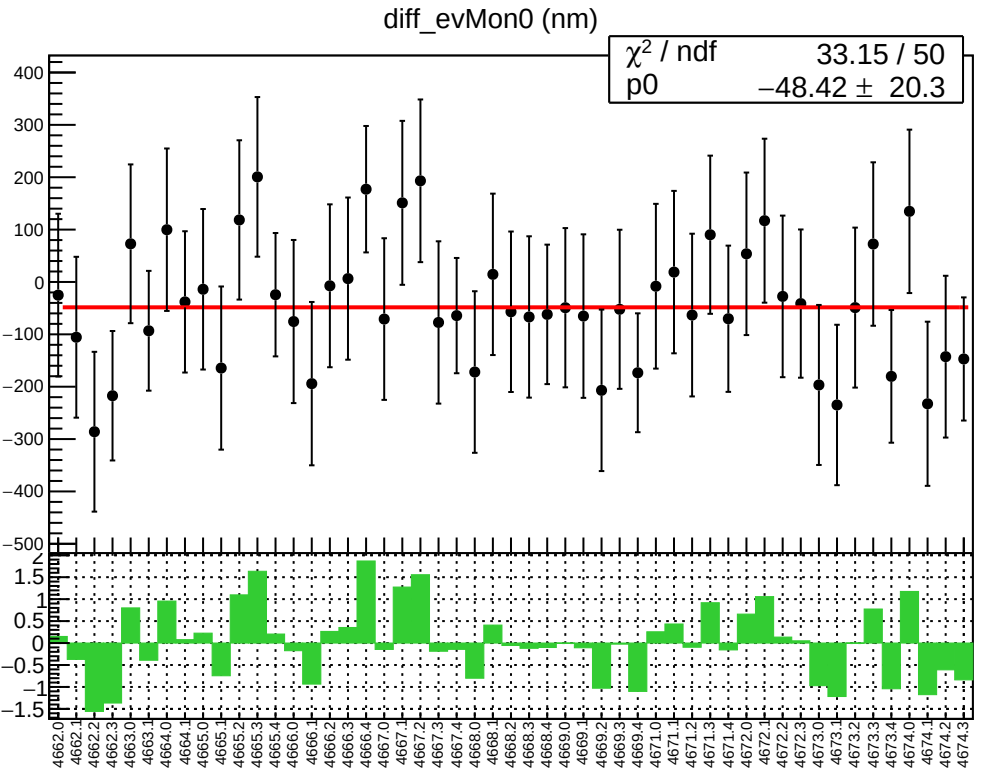

1D pull distribution
Mean 0.01487 ± 0.1129
Std Dev 0.806 ± 0.0798
Underflow 0
Overflow 0
χ² / ndf 5.364 / 5
Constant 11.66 ± 2.19
Mean −0.06179 ± 0.13231
Sigma 0.8415 ± 0.1052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

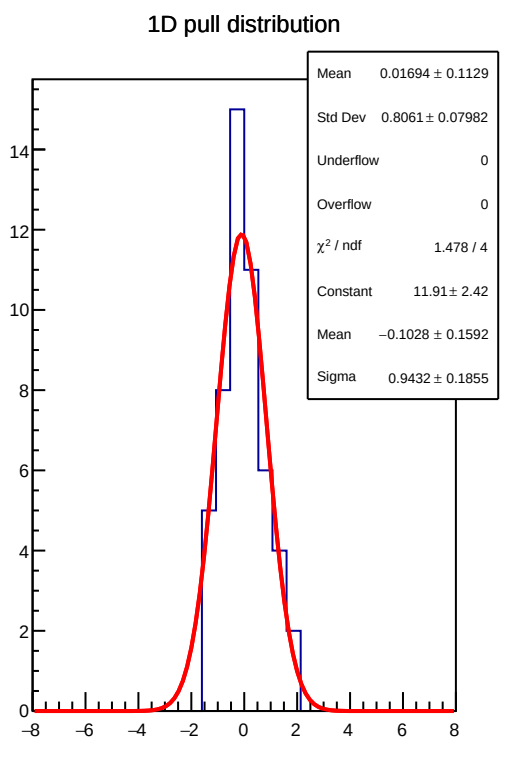

lagr_asym_usr RMS (ppm)
RMS (ppm)
131
130
129
128
127
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

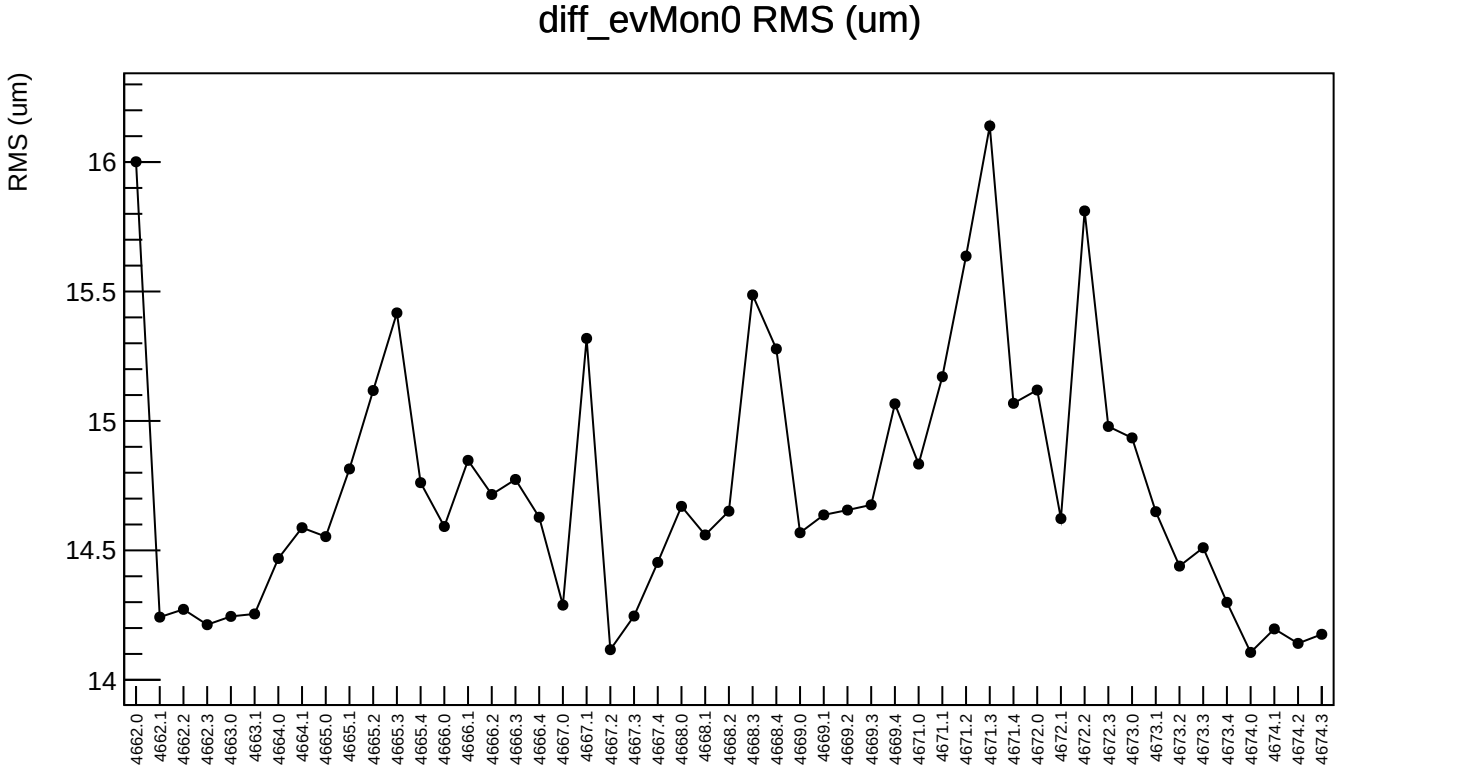

lagr_asym_usl (ppb)
χ² / ndf 51.65 / 50
p0 324.4 ± 179.3
4000
2000
0
-2000
-4000
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
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

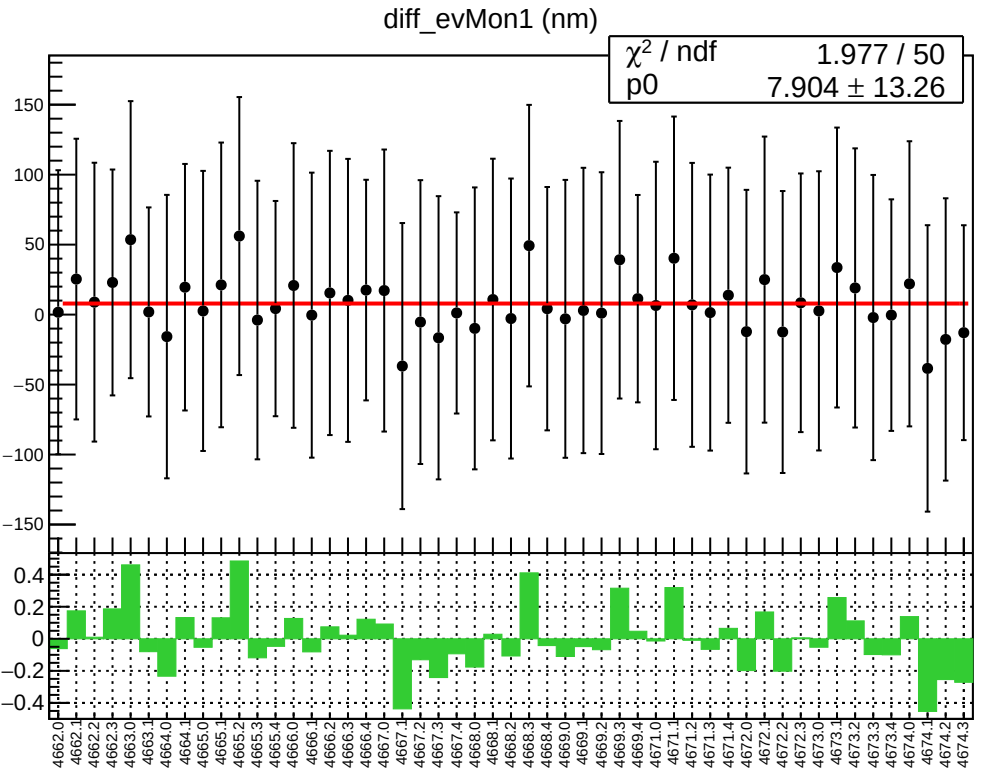

1D pull distribution
Mean −0.01323 ± 0.1409
Std Dev 1.006 ± 0.09963
Underflow 0
Overflow 0
χ² / ndf 3.211 / 7
Constant 9.653 ± 1.969
Mean −0.05254 ± 0.16549
Sigma 1.066 ± 0.167
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

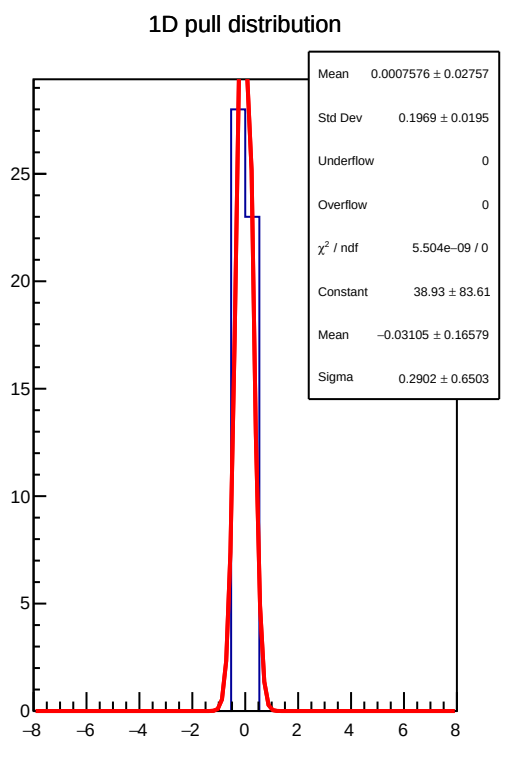

lagr_asym_usl RMS (ppm)
RMS (ppm)
135
134
133
132
131
130
129
128
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

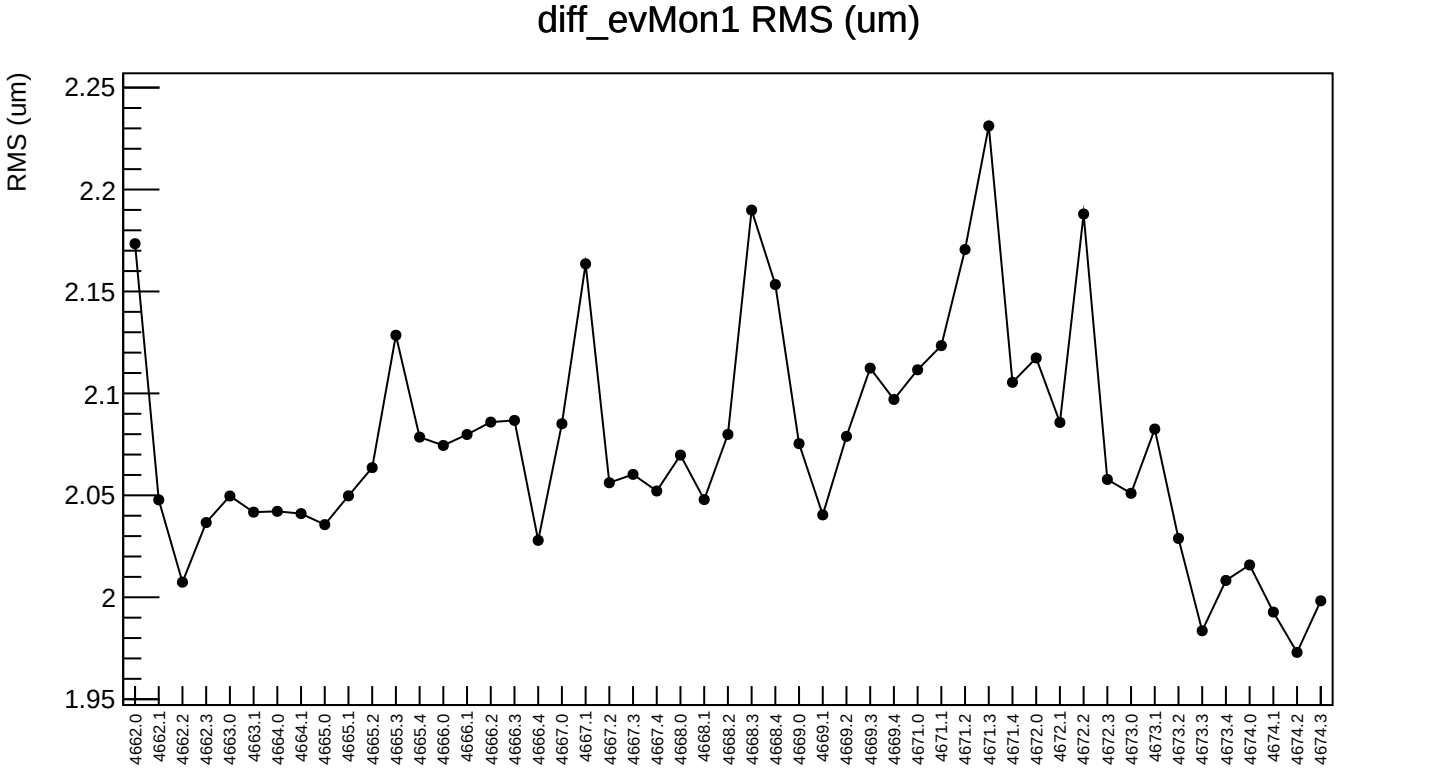

diff_evMon0 (nm)
χ² / ndf 33.15 / 50
p0 −48.42 ± 20.3

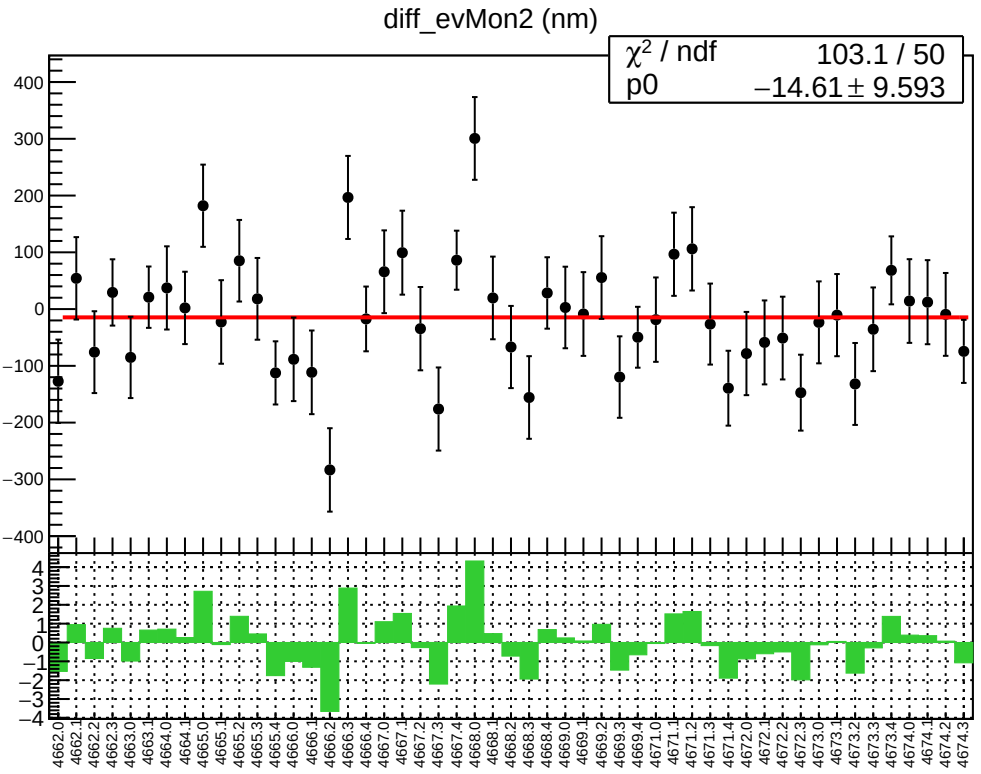

1D pull distribution
Mean 0.01694 ± 0.1129
Std Dev 0.8061 ± 0.07982
Underflow 0
Overflow 0
χ² / ndf 1.478 / 4
Constant 11.91 ± 2.42
Mean −0.1028 ± 0.1592
Sigma 0.9432 ± 0.1855

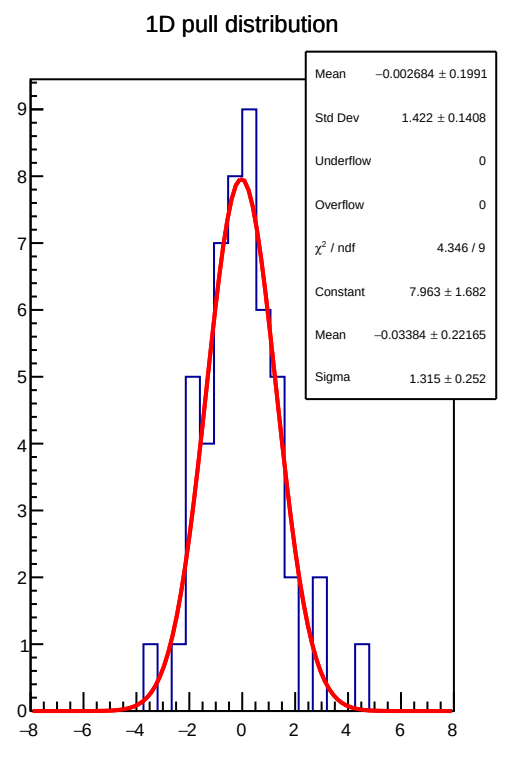

diff_evMon0 RMS (um)
RMS (um)
16
15.5
15
14.5
14
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

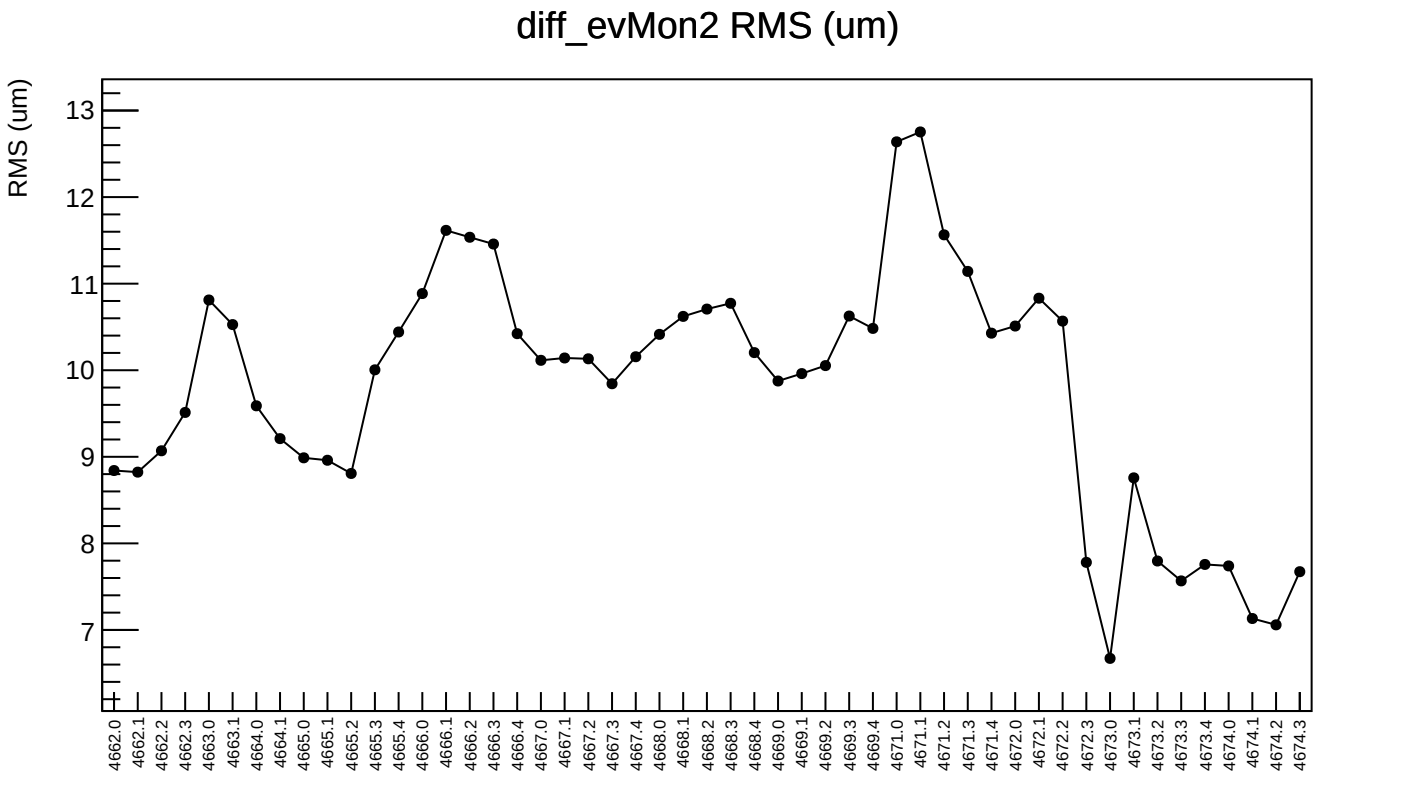

diff_evMon1 (nm)
χ² / ndf 1.977 / 50
p0 7.904 ± 13.26

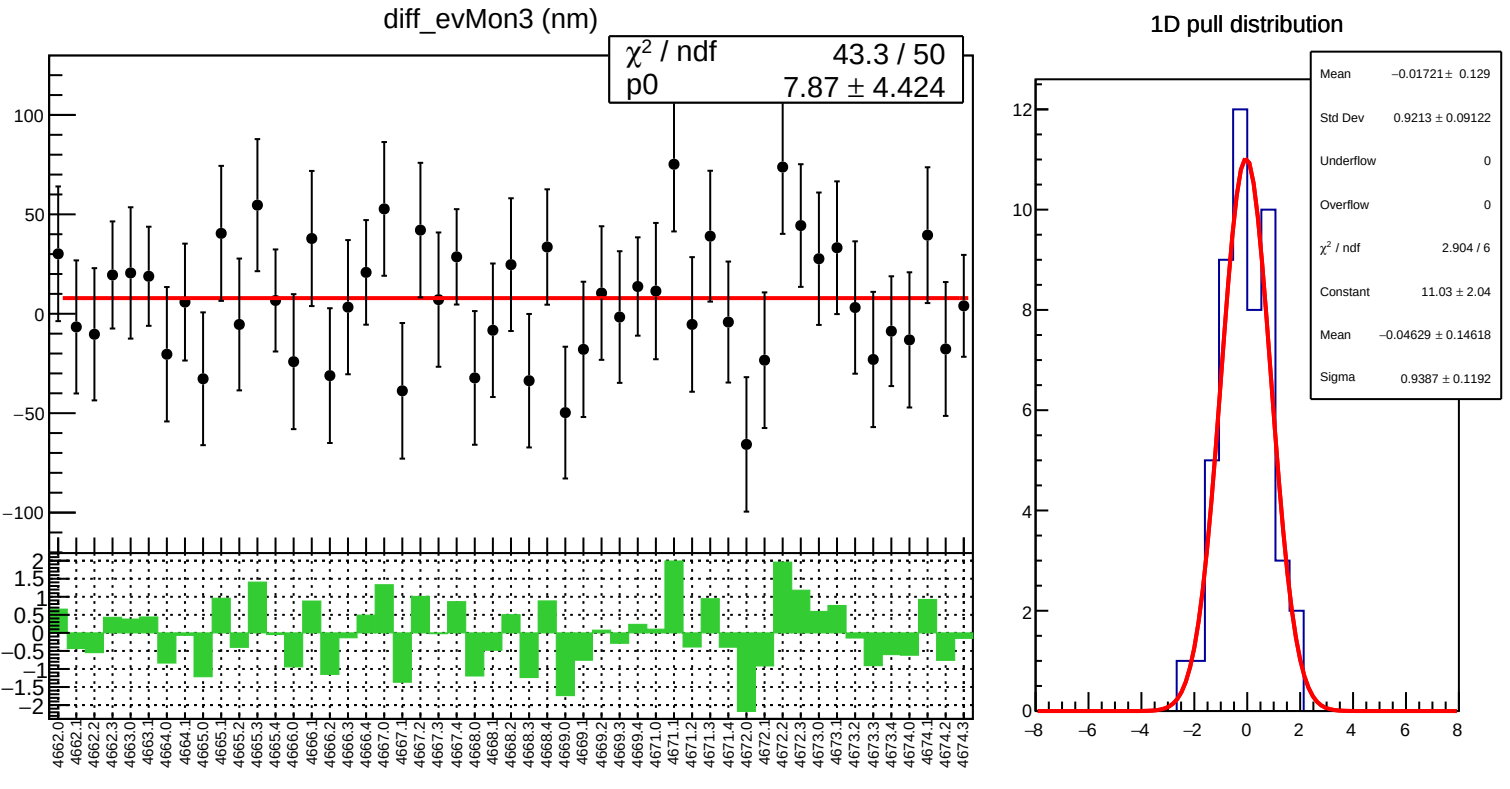

1D pull distribution
Mean 0.0007576 ± 0.02757
Std Dev 0.1969 ± 0.0195
Underflow 0
Overflow 0
χ² / ndf 5.504e−09 / 0
Constant 38.93 ± 83.61
Mean −0.03105 ± 0.16579
Sigma 0.2902 ± 0.6503

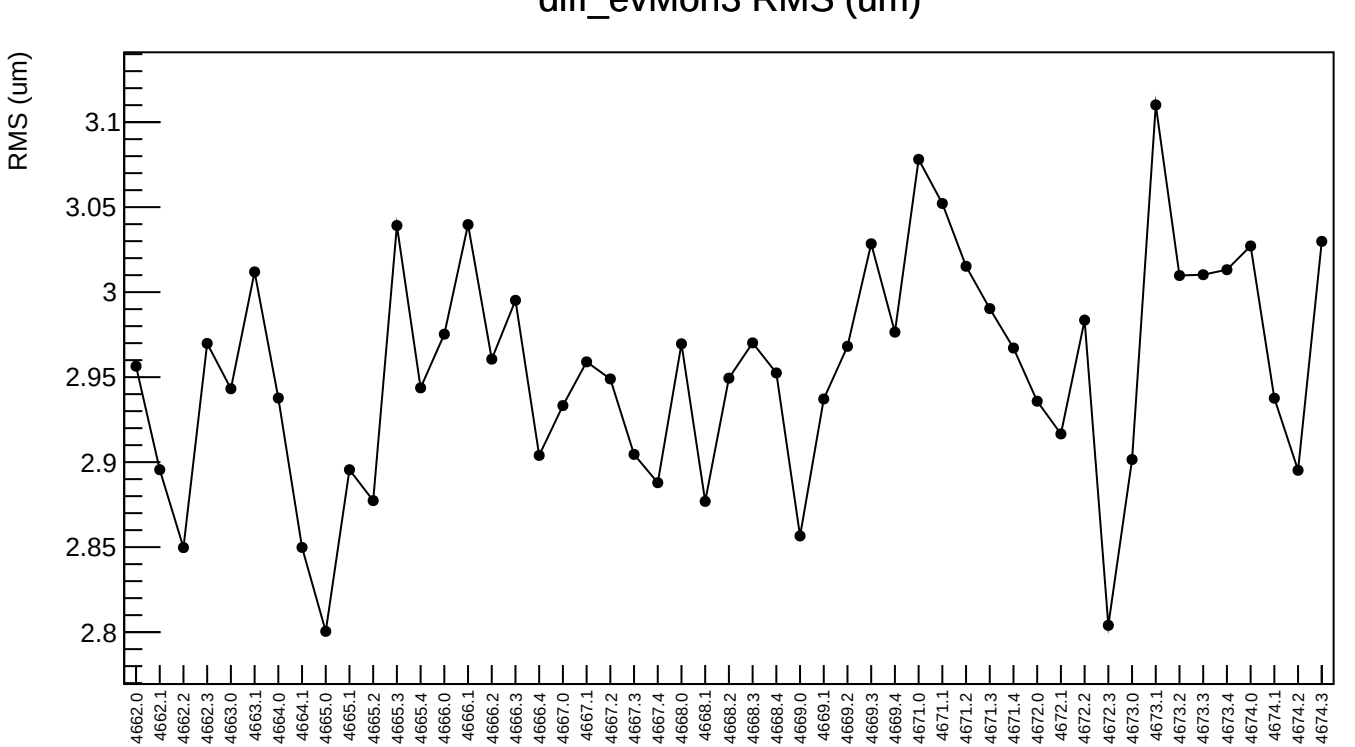

diff_evMon1 RMS (um)
RMS (um)
2.25
2.2
2.15
2.1
2.05
2
1.95
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

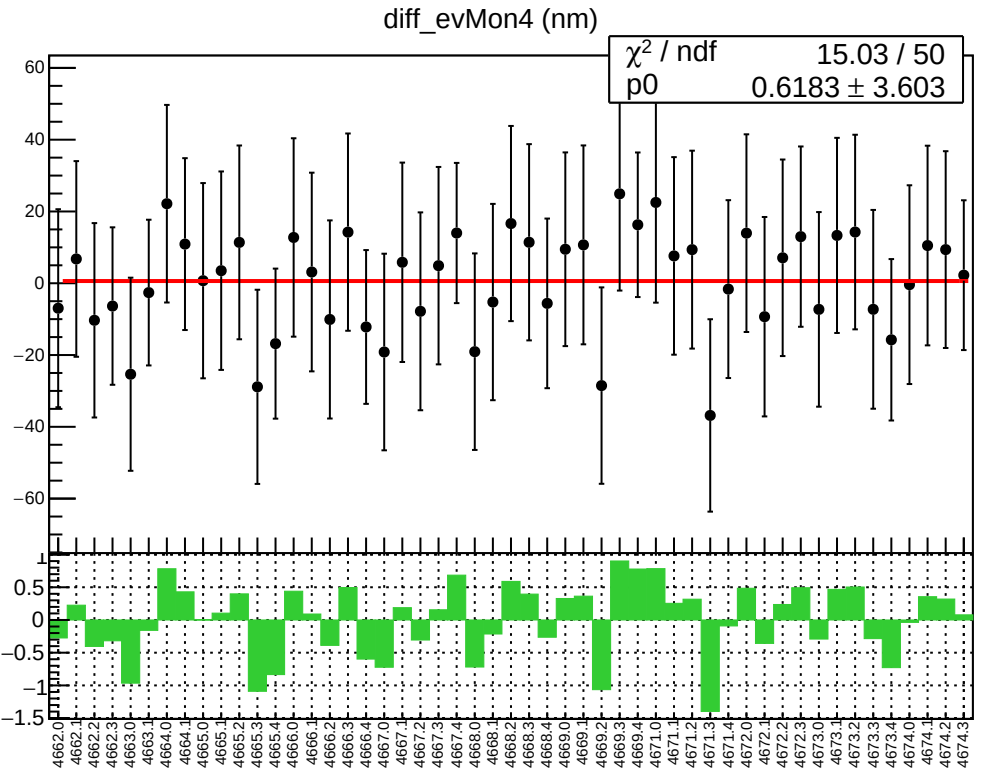

diff_evMon2 (nm)
χ² / ndf 103.1 / 50
p0 −14.61 ± 9.593

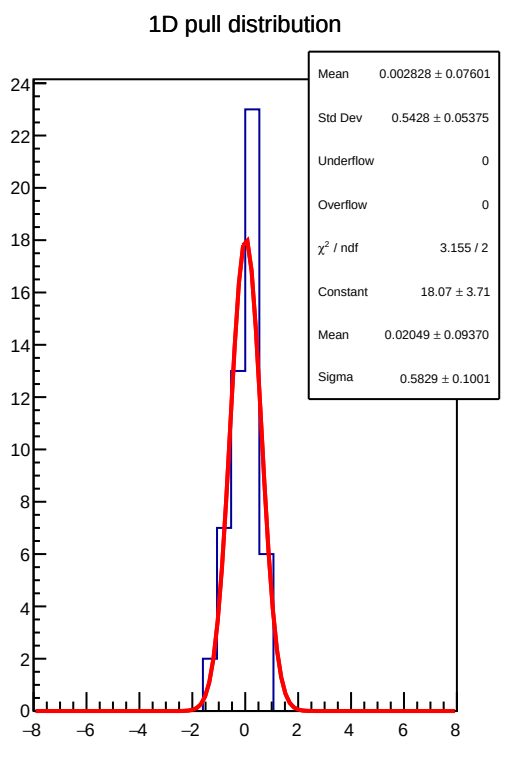

1D pull distribution
Mean −0.002684 ± 0.1991
Std Dev 1.422 ± 0.1408
Underflow 0
Overflow 0
χ² / ndf 4.346 / 9
Constant 7.963 ± 1.682
Mean −0.03384 ± 0.22165
Sigma 1.315 ± 0.252

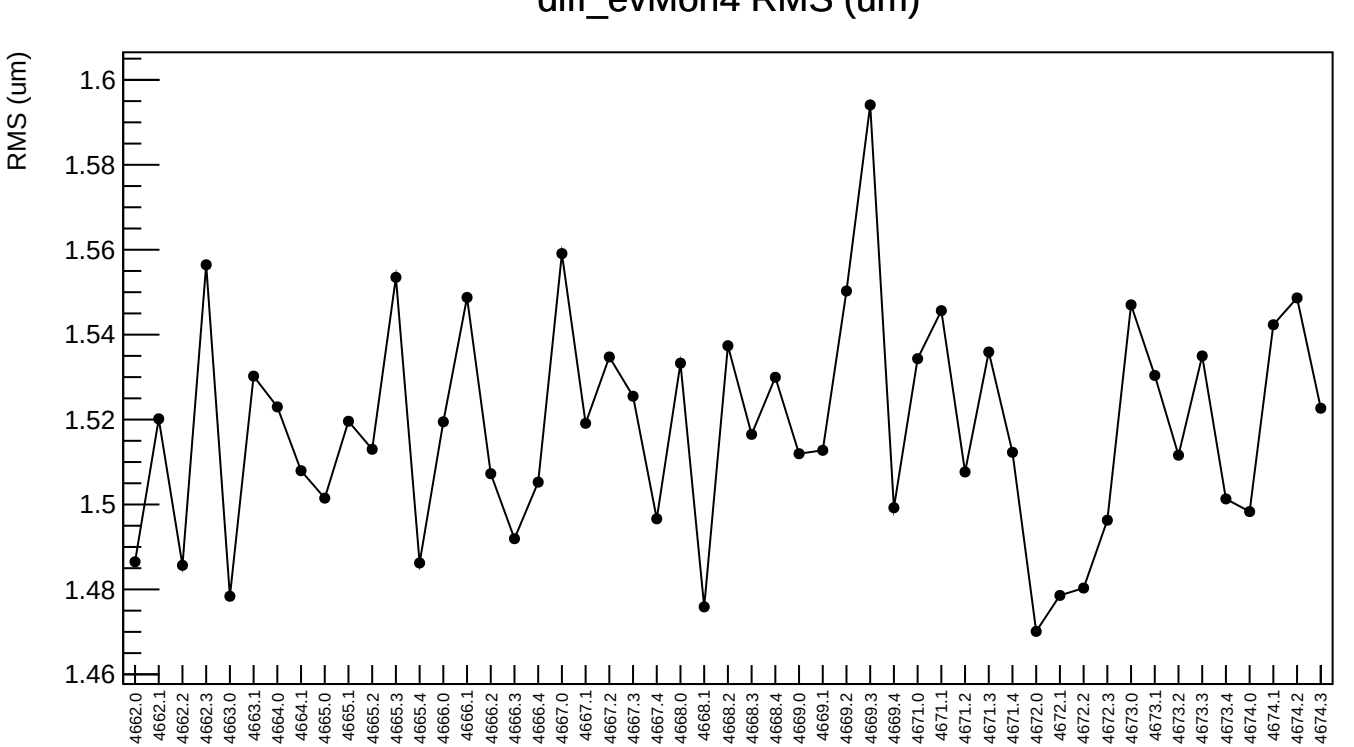

diff_evMon2 RMS (um)
RMS (um)
13
12
11
10
9
8
7
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

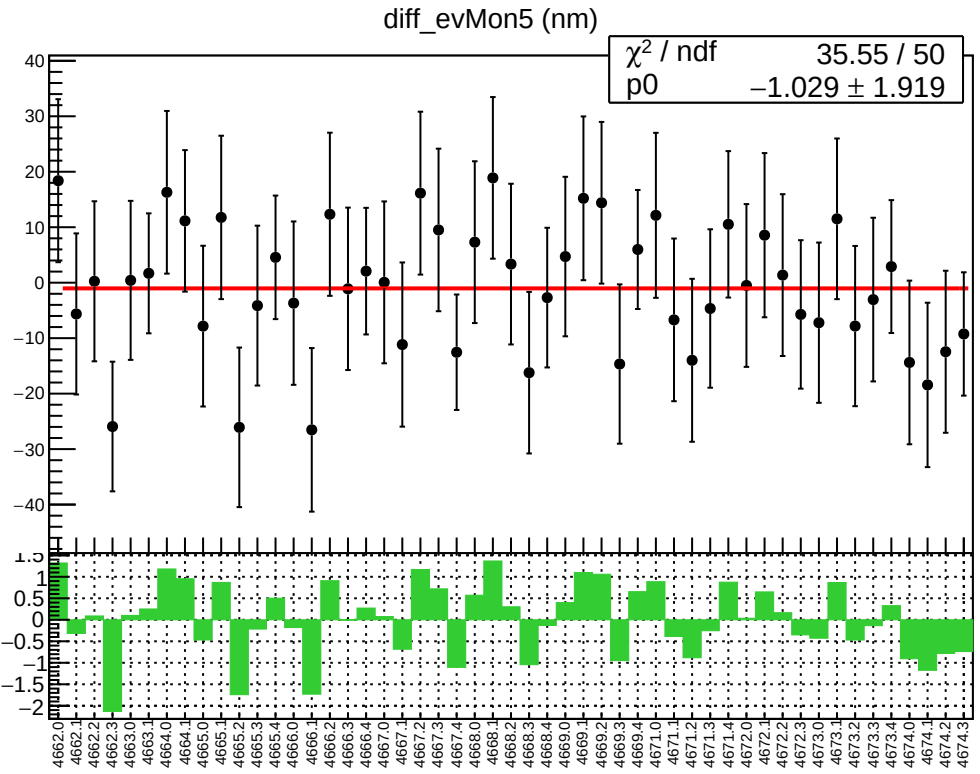

diff_evMon3 (nm)
χ² / ndf 43.3 / 50
p0 7.87 ± 4.424
1D pull distribution
Mean −0.01721 ± 0.129
Std Dev 0.9213 ± 0.09122
Underflow 0
Overflow 0
χ² / ndf 2.904 / 6
Constant 11.03 ± 2.04
Mean −0.04629 ± 0.14618
Sigma 0.9387 ± 0.1192

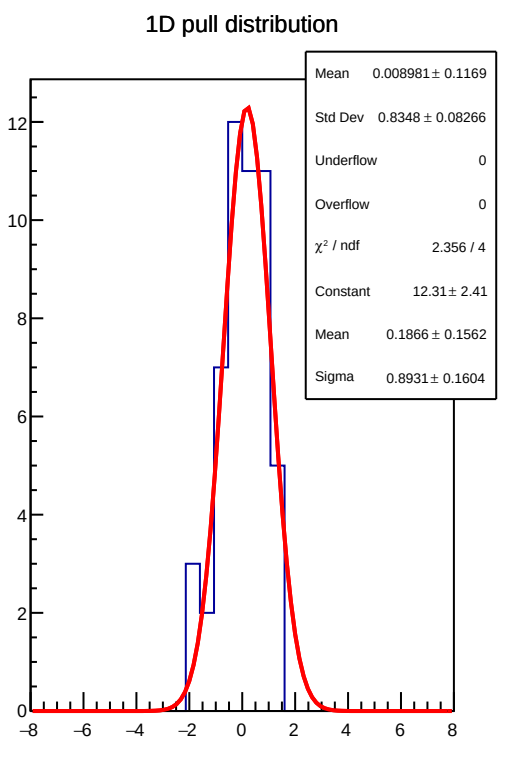

diff_evMon3 RMS (um)
RMS (um)
3.1
3.05
3
2.95
2.9
2.85
2.8
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

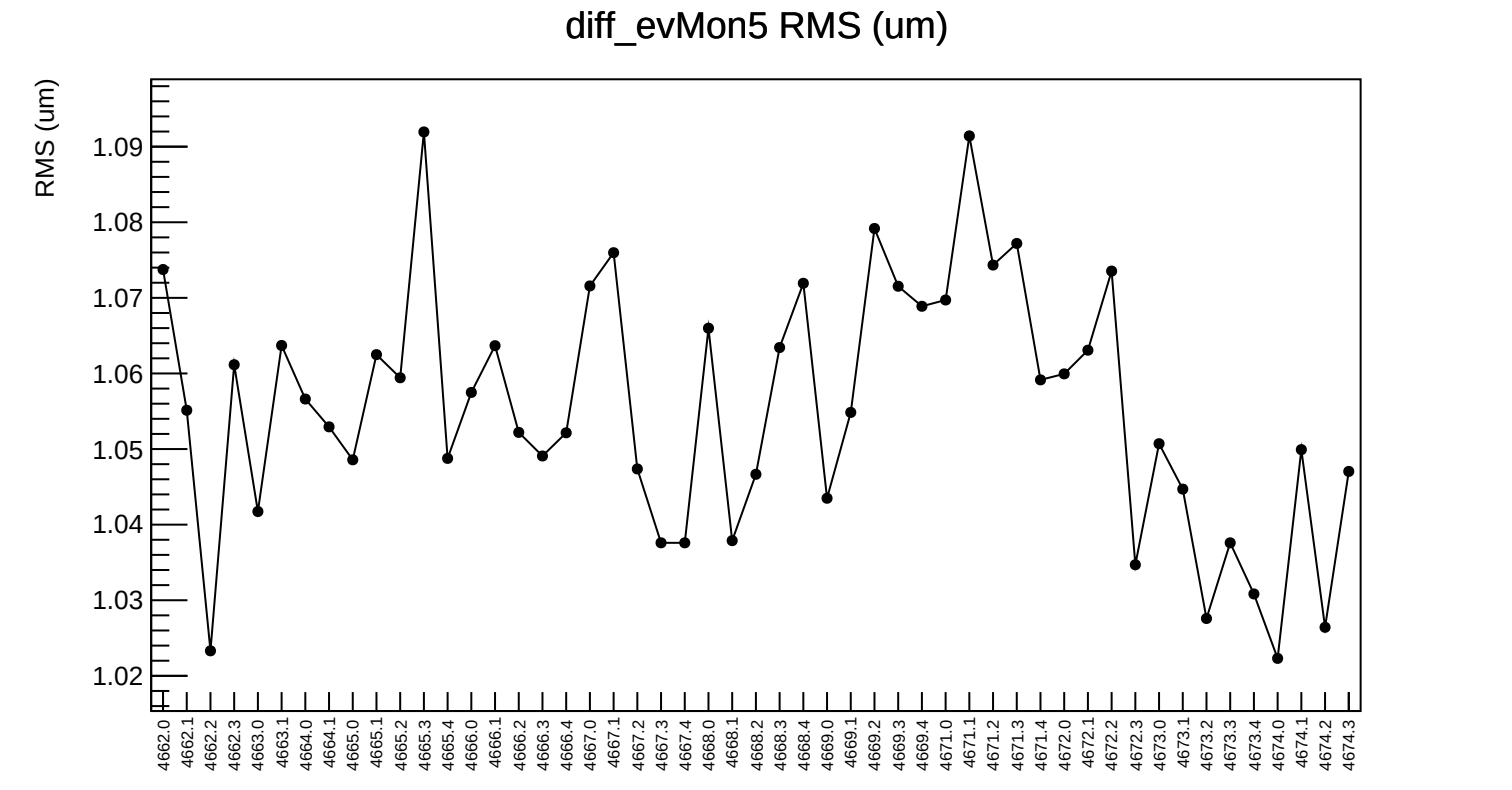

diff_evMon4 (nm)
χ² / ndf 15.03 / 50
p0 0.6183 ± 3.603

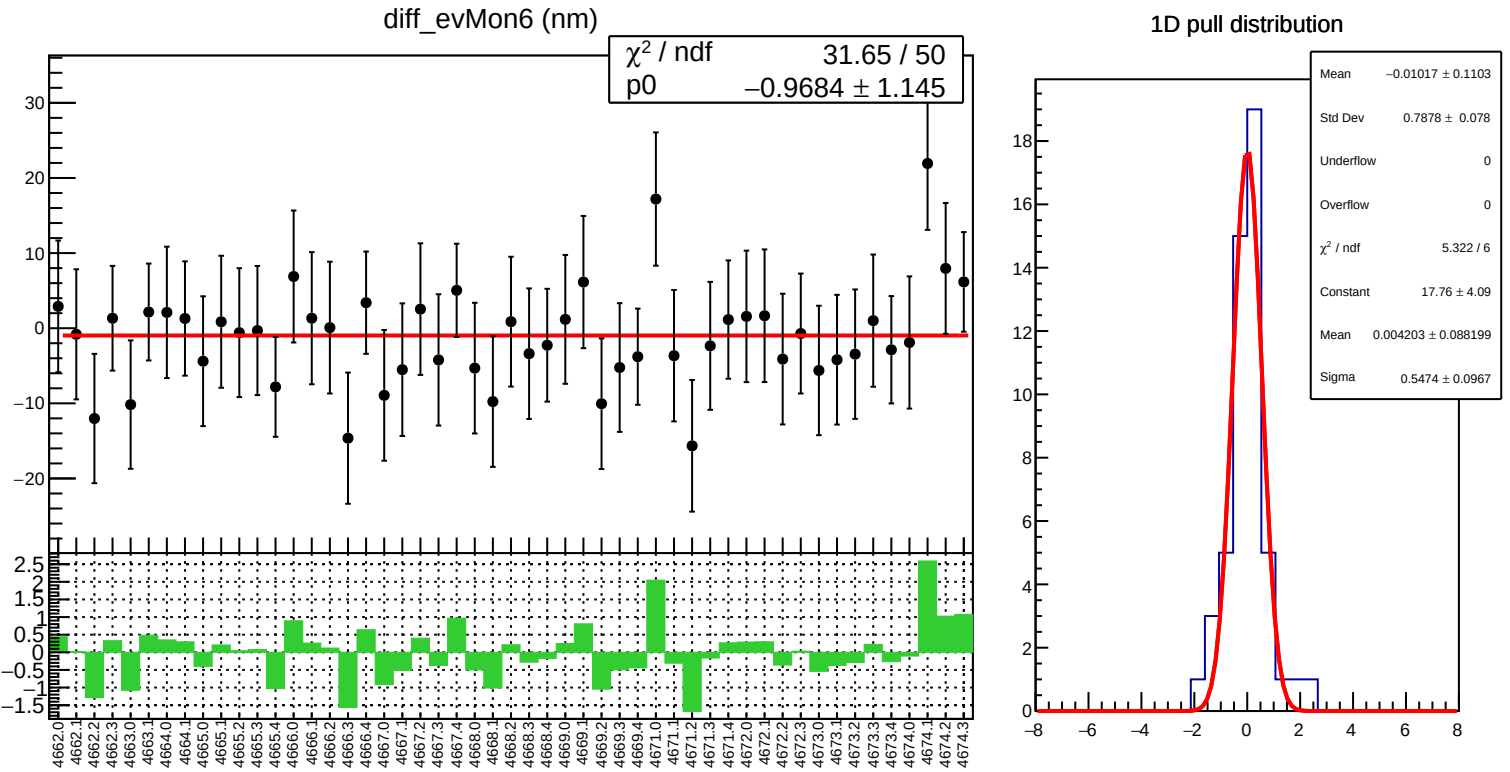

1D pull distribution
Mean 0.002828 ± 0.07601
Std Dev 0.5428 ± 0.05375
Underflow 0
Overflow 0
χ² / ndf 3.155 / 2
Constant 18.07 ± 3.71
Mean 0.02049 ± 0.09370
Sigma 0.5829 ± 0.1001

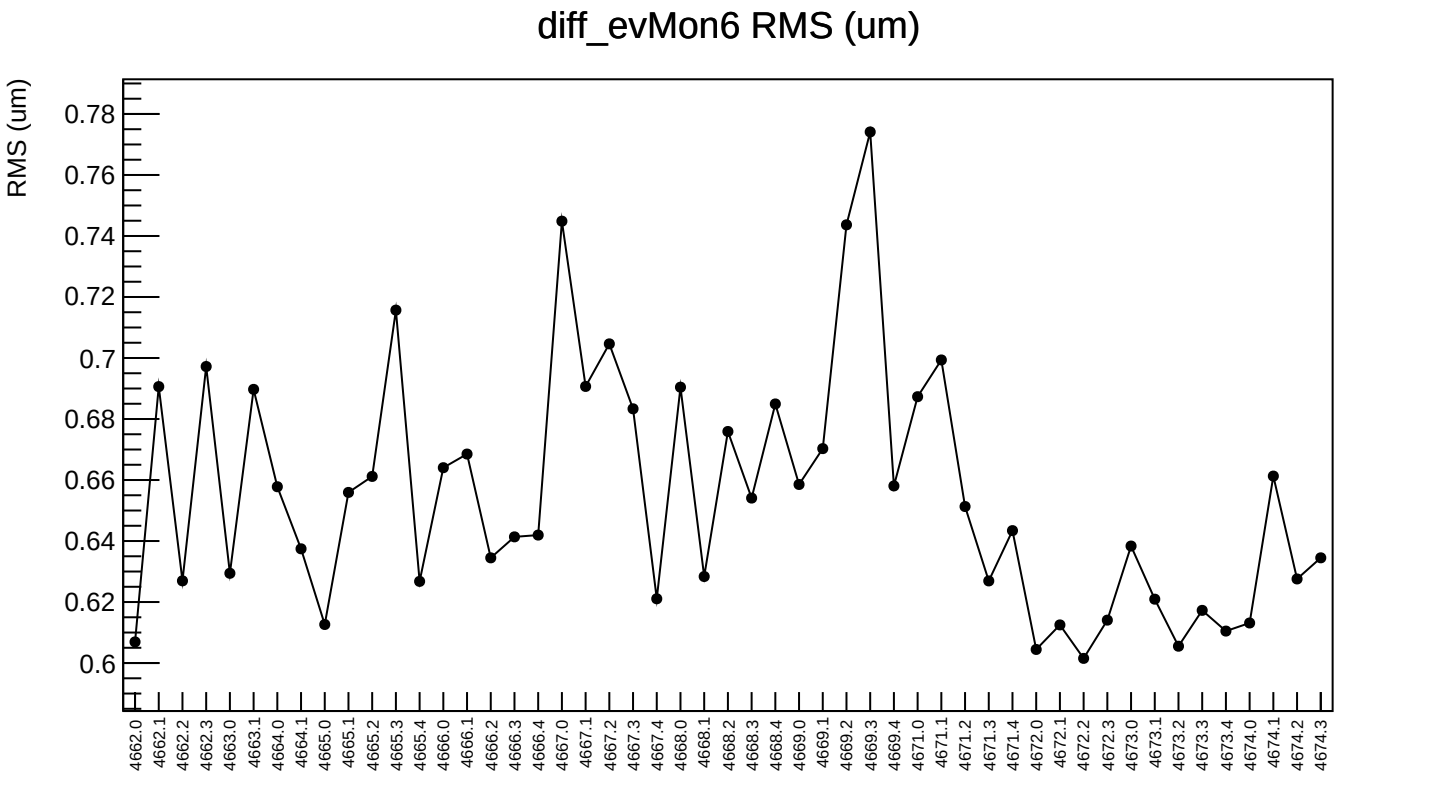

diff_evMon4 RMS (um)
RMS (um)
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

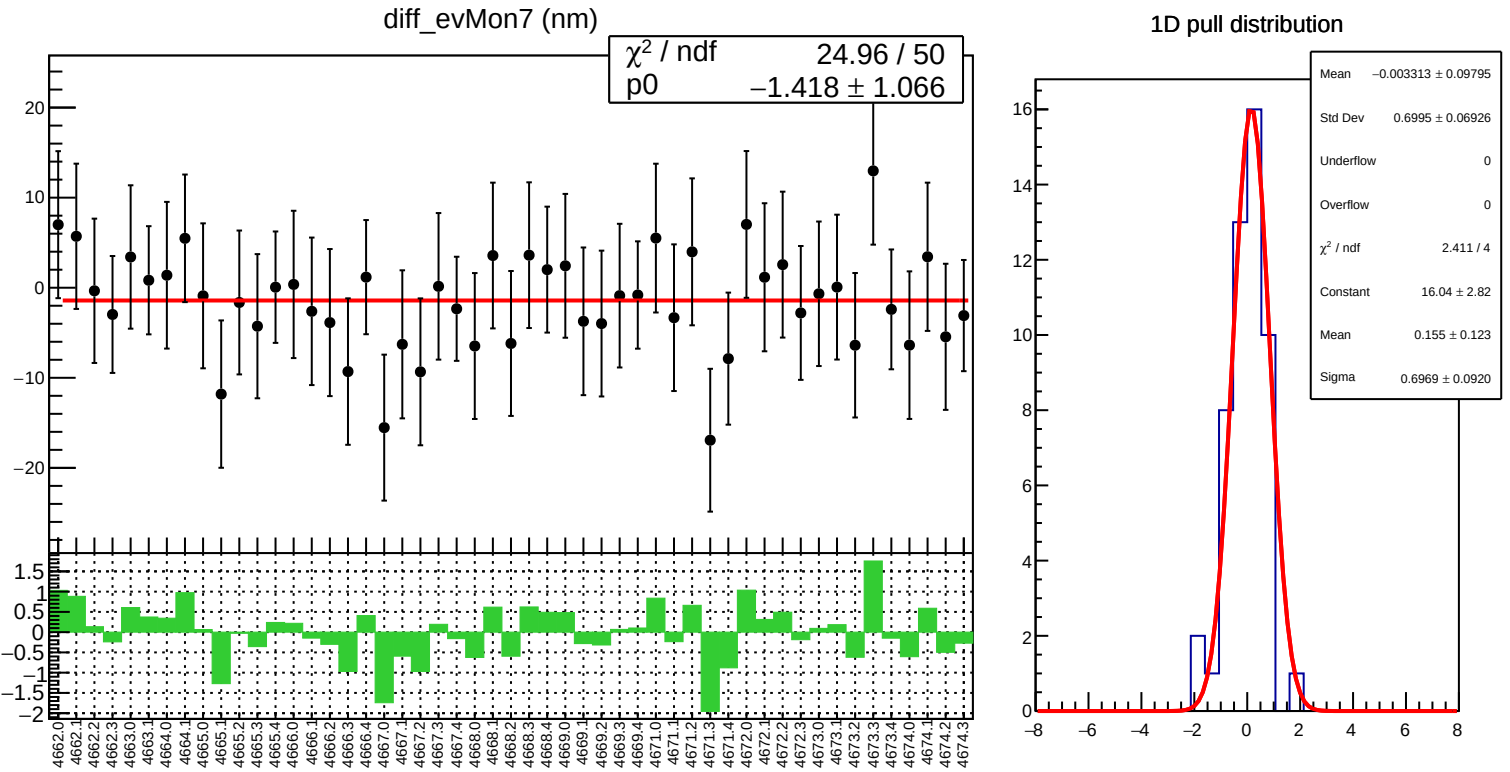

diff_evMon5 (nm)
χ² / ndf 35.55 / 50
p0 −1.029 ± 1.919

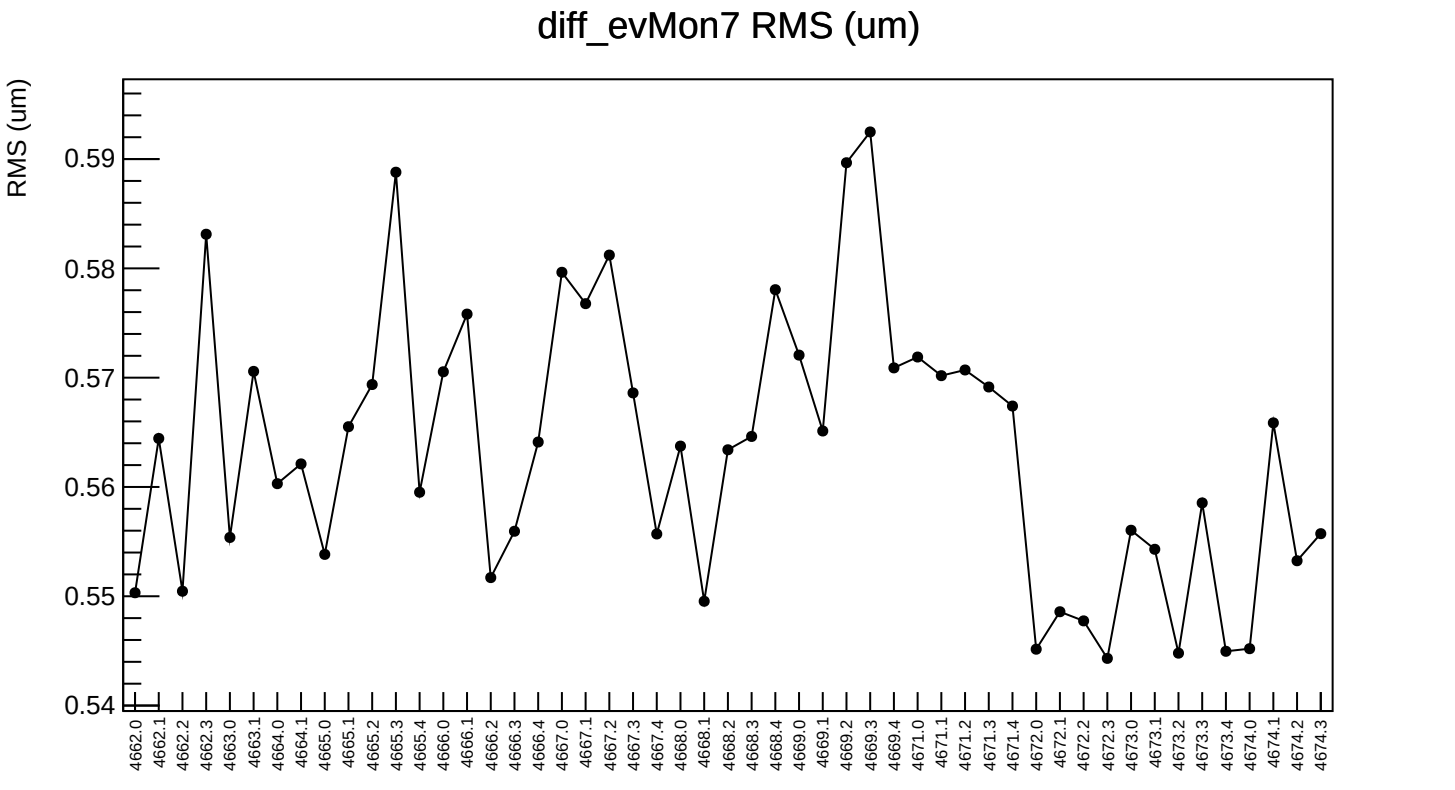

1D pull distribution
Mean 0.008981 ± 0.1169
Std Dev 0.8348 ± 0.08266
Underflow 0
Overflow 0
χ² / ndf 2.356 / 4
Constant 12.31 ± 2.41
Mean 0.1866 ± 0.1562
Sigma 0.8931 ± 0.1604

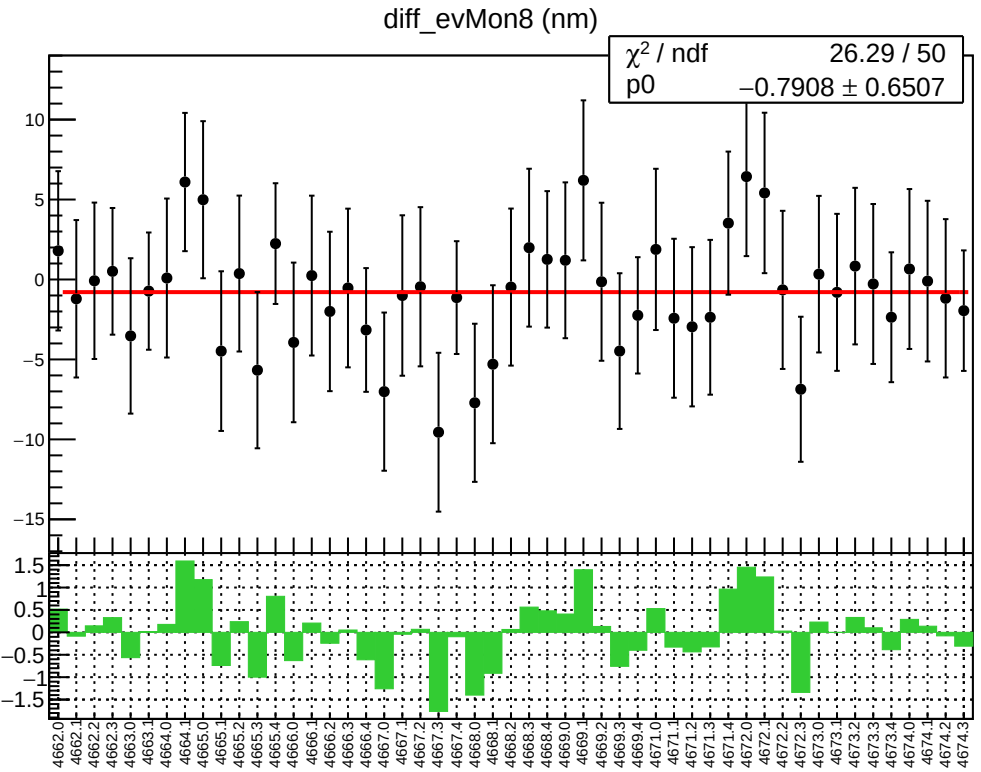

diff_evMon5 RMS (um)
RMS (um)
1.09
1.08
1.07
1.06
1.05
1.04
1.03
1.02
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
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

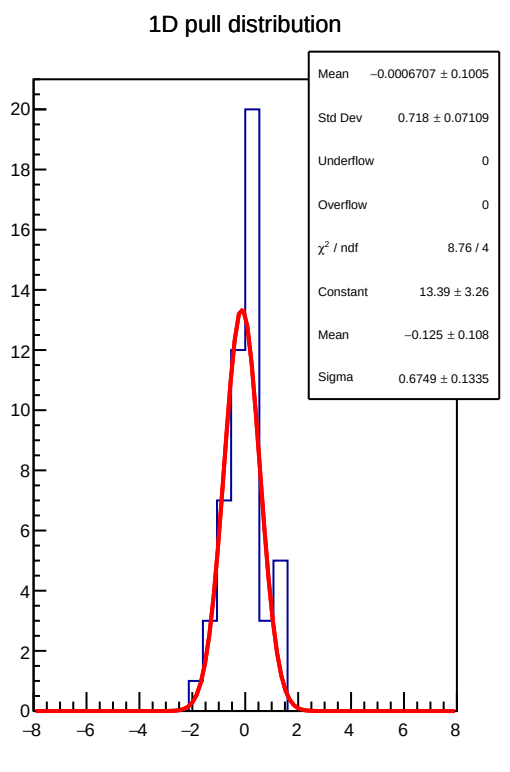

diff_evMon6 (nm)
χ² / ndf 31.65 / 50
p0 −0.9684 ± 1.145
1D pull distribution
Mean −0.01017 ± 0.1103
Std Dev 0.7878 ± 0.078
Underflow 0
Overflow 0
χ² / ndf 5.322 / 6
Constant 17.76 ± 4.09
Mean 0.004203 ± 0.088199
Sigma 0.5474 ± 0.0967

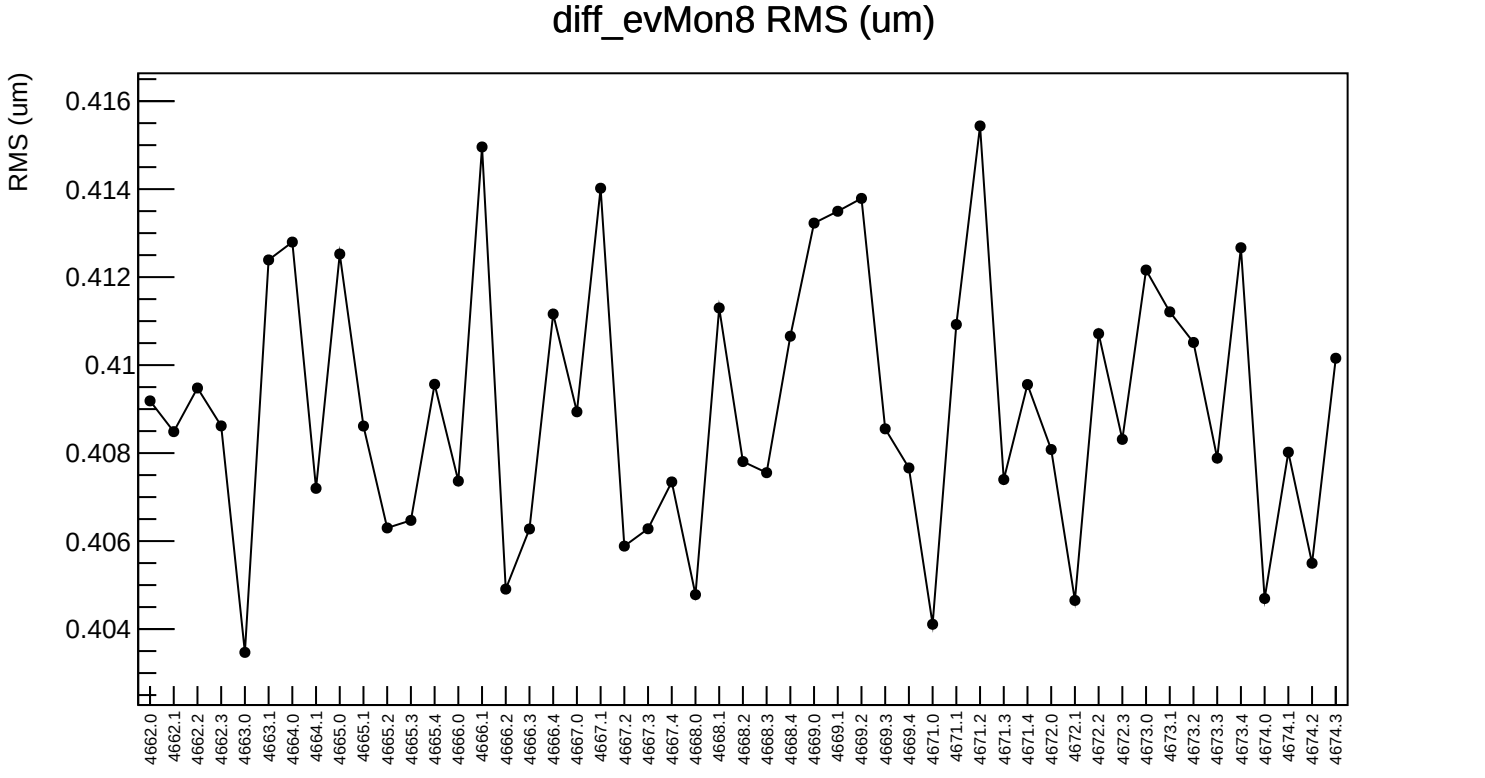

diff_evMon6 RMS (um)
RMS (um)
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
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

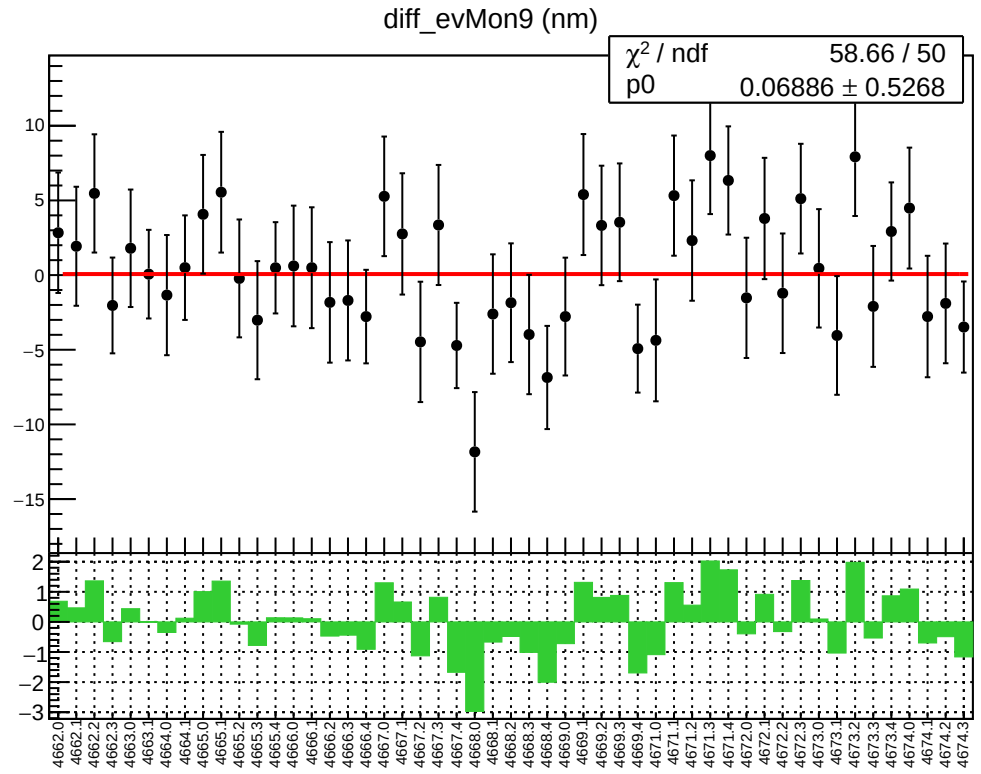

diff_evMon7 (nm)
χ² / ndf 24.96 / 50
p0 −1.418 ± 1.066
1D pull distribution
Mean −0.003313 ± 0.09795
Std Dev 0.6995 ± 0.06926
Underflow 0
Overflow 0
χ² / ndf 2.411 / 4
Constant 16.04 ± 2.82
Mean 0.155 ± 0.123
Sigma 0.6969 ± 0.0920

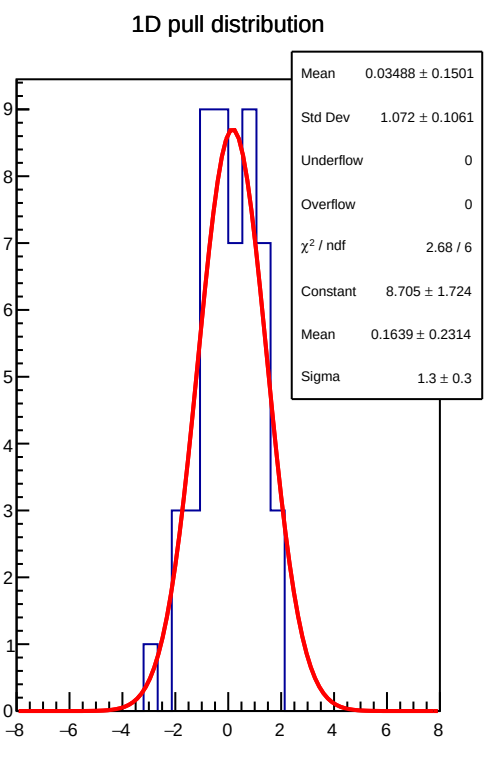

diff_evMon7 RMS (um)
RMS (um)
0.59
0.58
0.57
0.56
0.55
0.54
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

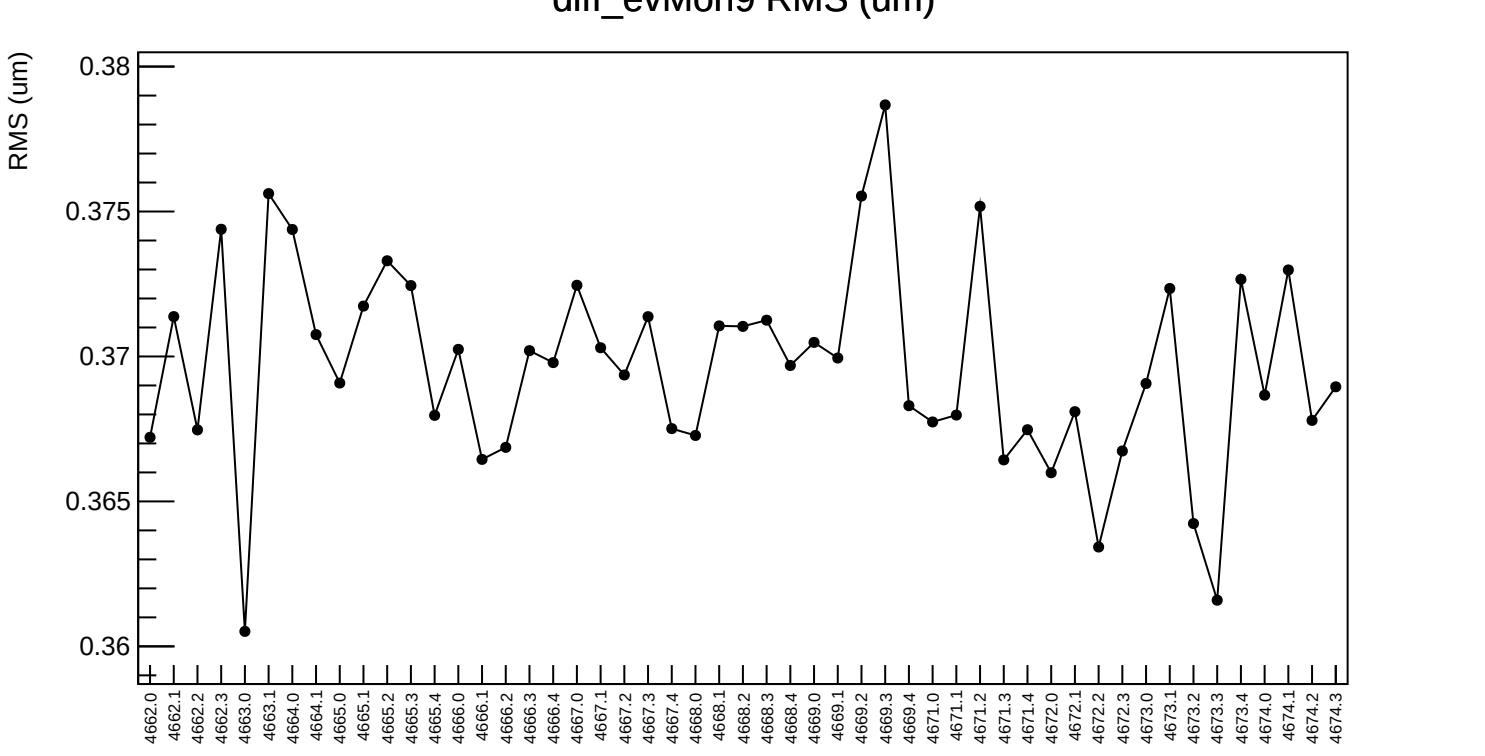

diff_evMon8 (nm)
χ² / ndf 26.29 / 50
p0 −0.7908 ± 0.6507

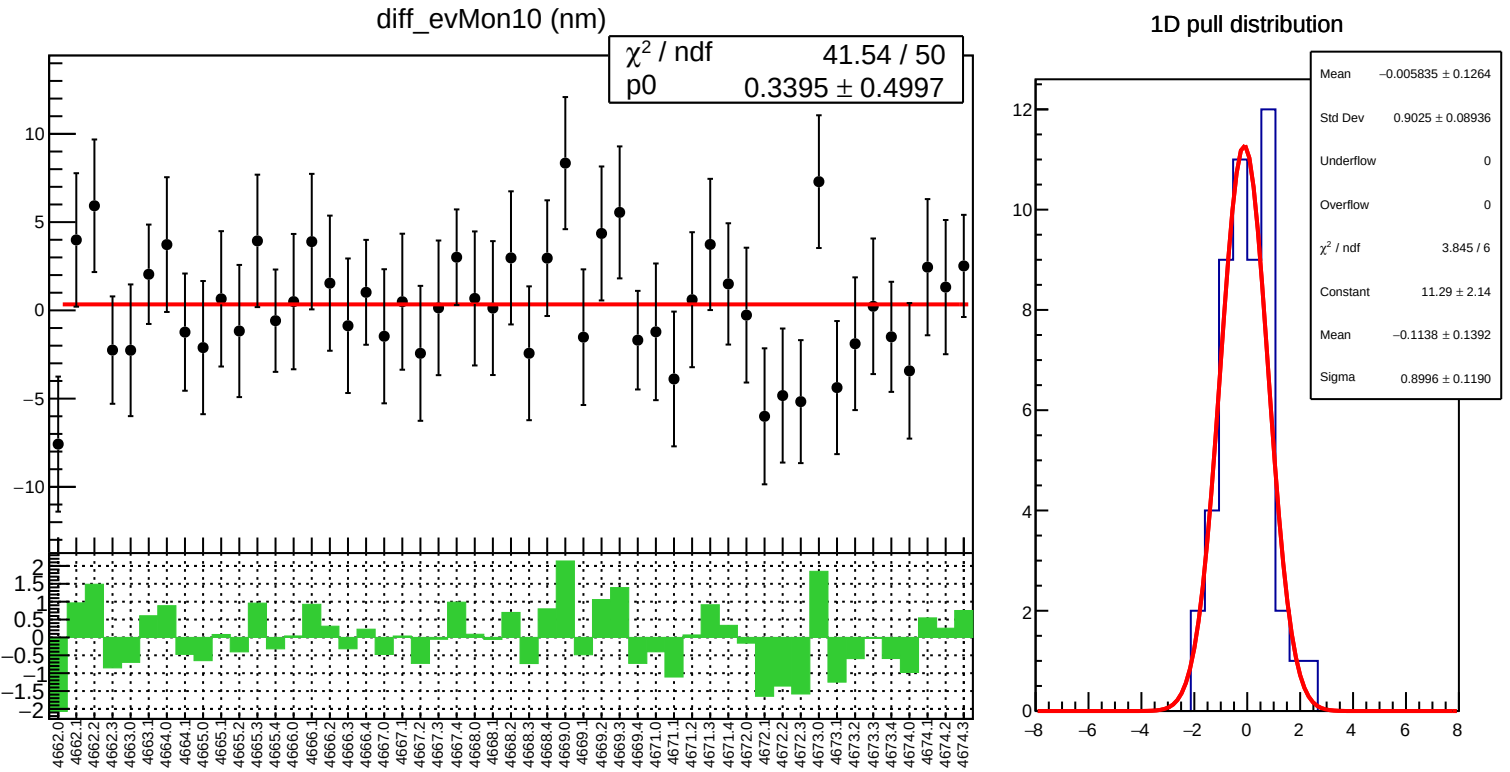

1D pull distribution
Mean −0.0006707 ± 0.1005
Std Dev 0.718 ± 0.07109
Underflow 0
Overflow 0
χ² / ndf 8.76 / 4
Constant 13.39 ± 3.26
Mean −0.125 ± 0.108
Sigma 0.6749 ± 0.1335

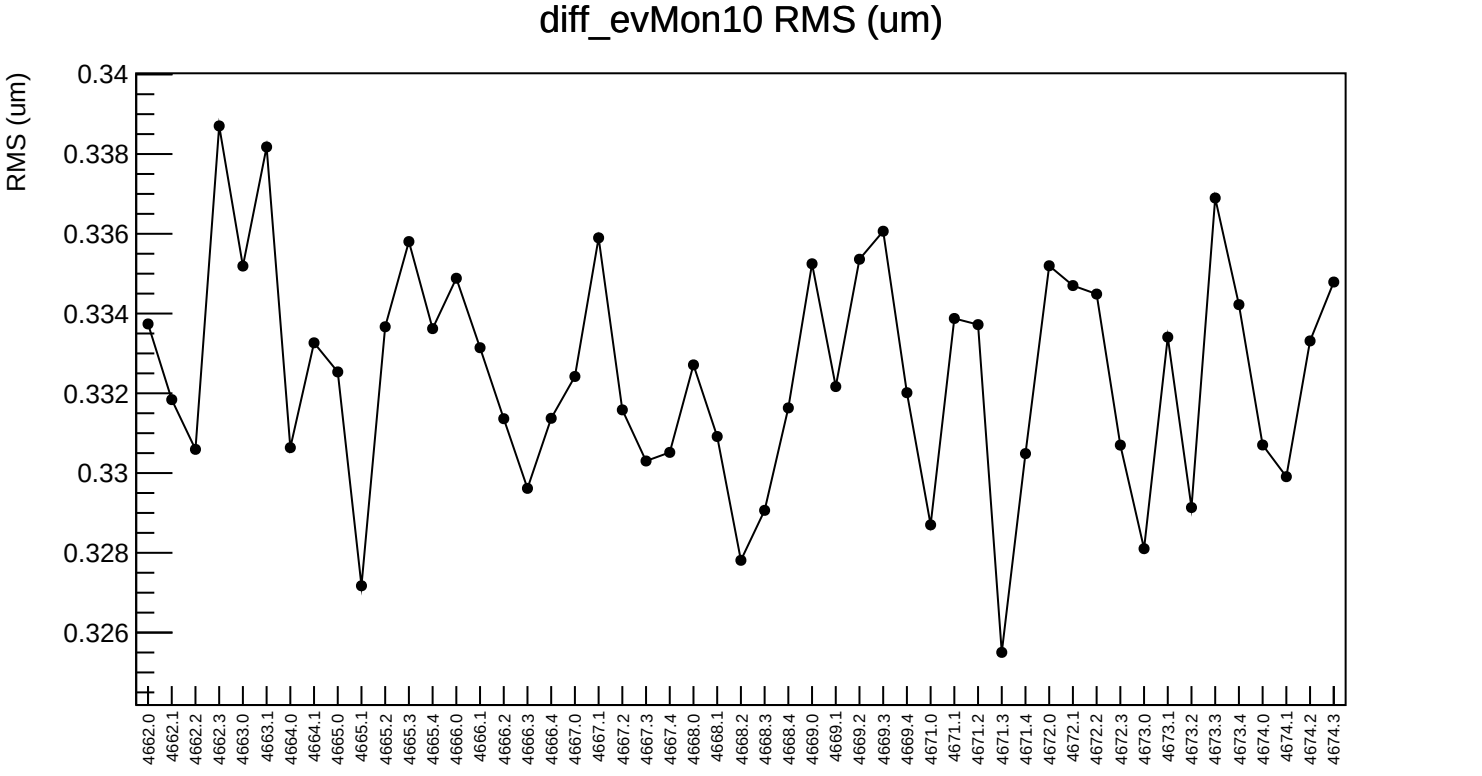

diff_evMon8 RMS (um)
RMS (um)
0.416
0.414
0.412
0.41
0.408
0.406
0.404
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
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

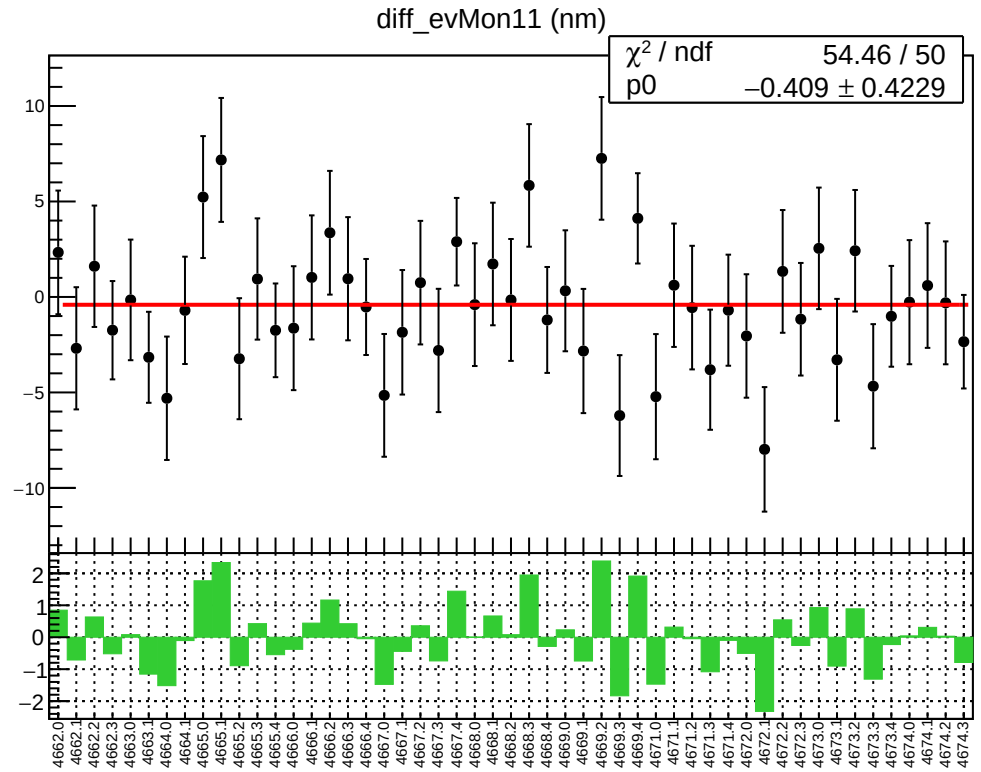

diff_evMon9 (nm)
χ² / ndf 58.66 / 50
p0 0.06886 ± 0.5268

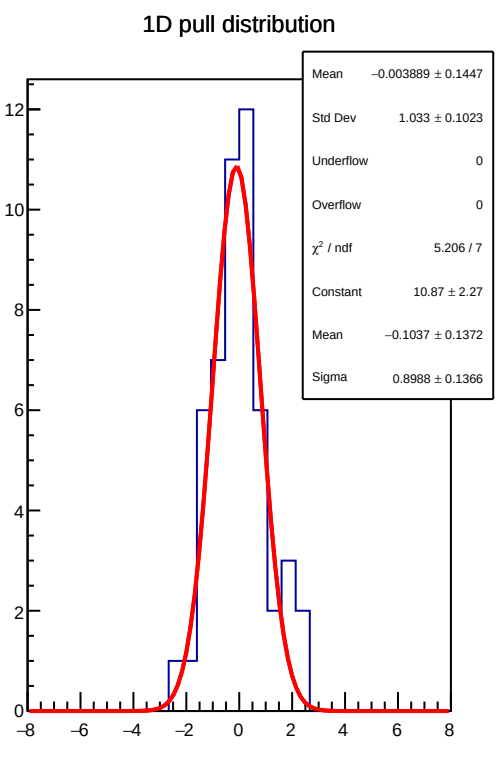

1D pull distribution
Mean 0.03488 ± 0.1501
Std Dev 1.072 ± 0.1061
Underflow 0
Overflow 0
χ² / ndf 2.68 / 6
Constant 8.705 ± 1.724
Mean 0.1639 ± 0.2314
Sigma 1.3 ± 0.3

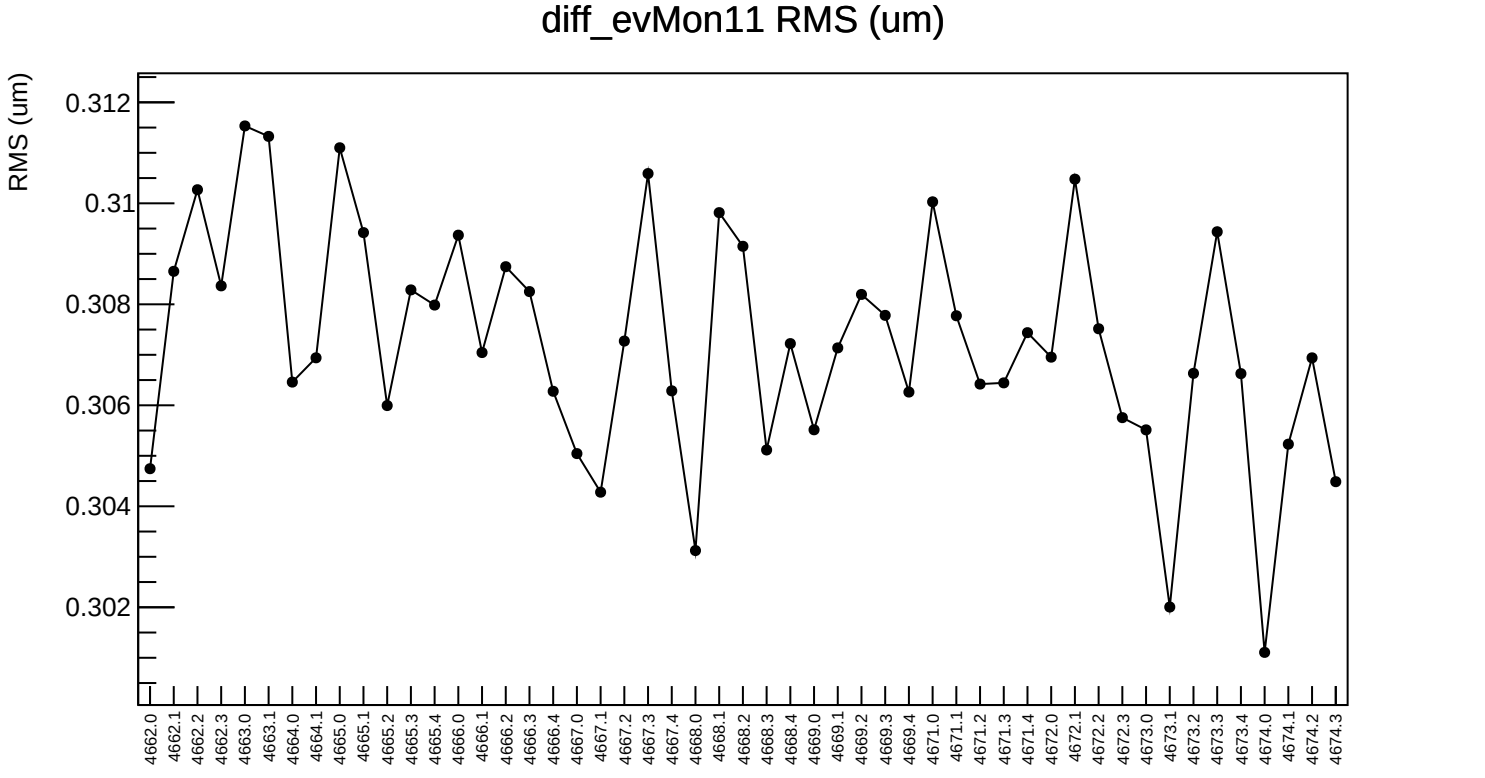

diff_evMon9 RMS (um)
RMS (um)
0.38
0.375
0.37
0.365
0.36
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

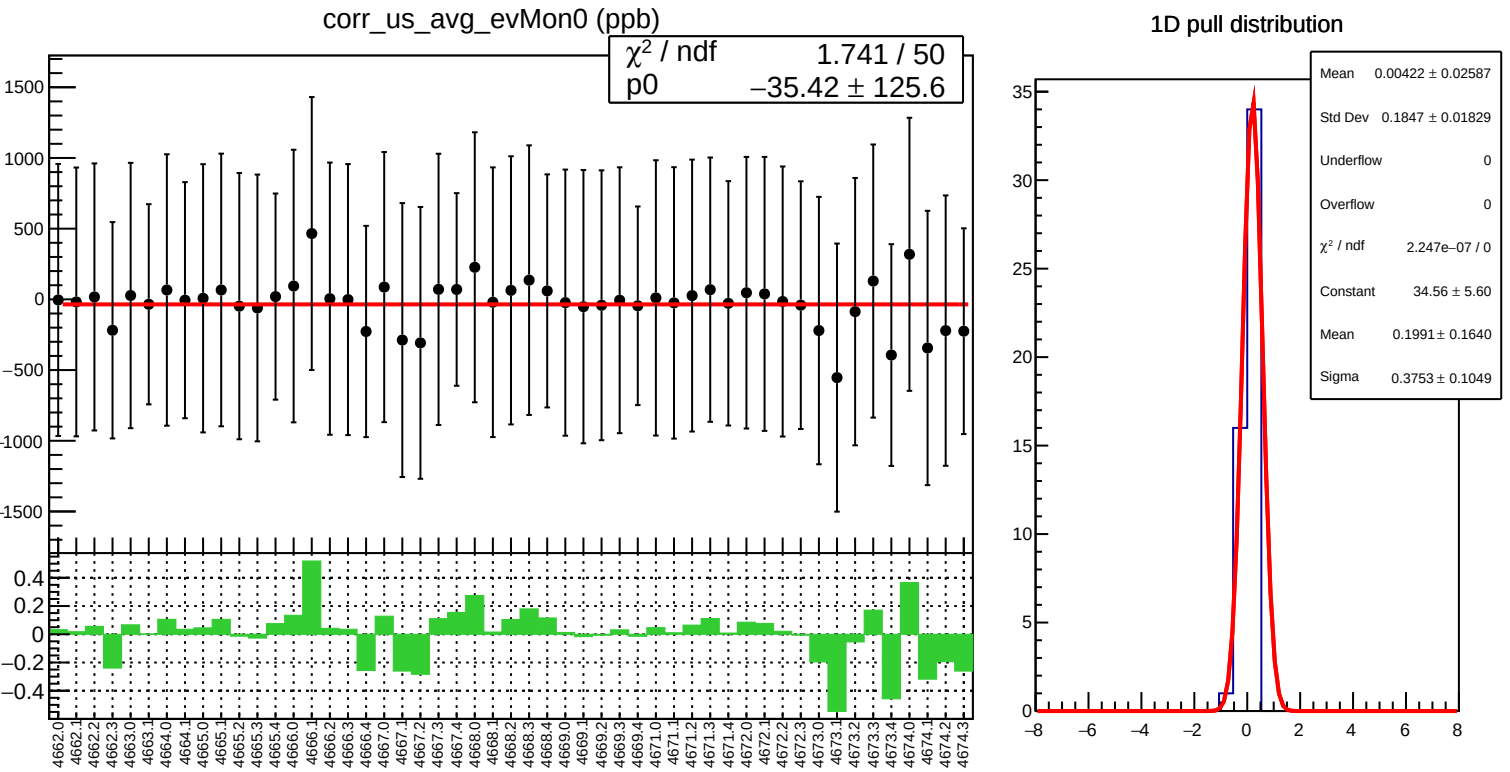

diff_evMon10 (nm)
χ² / ndf 41.54 / 50
p0 0.3395 ± 0.4997
1D pull distribution
Mean −0.005835 ± 0.1264
Std Dev 0.9025 ± 0.08936
Underflow 0
Overflow 0
χ² / ndf 3.845 / 6
Constant 11.29 ± 2.14
Mean −0.1138 ± 0.1392
Sigma 0.8996 ± 0.1190

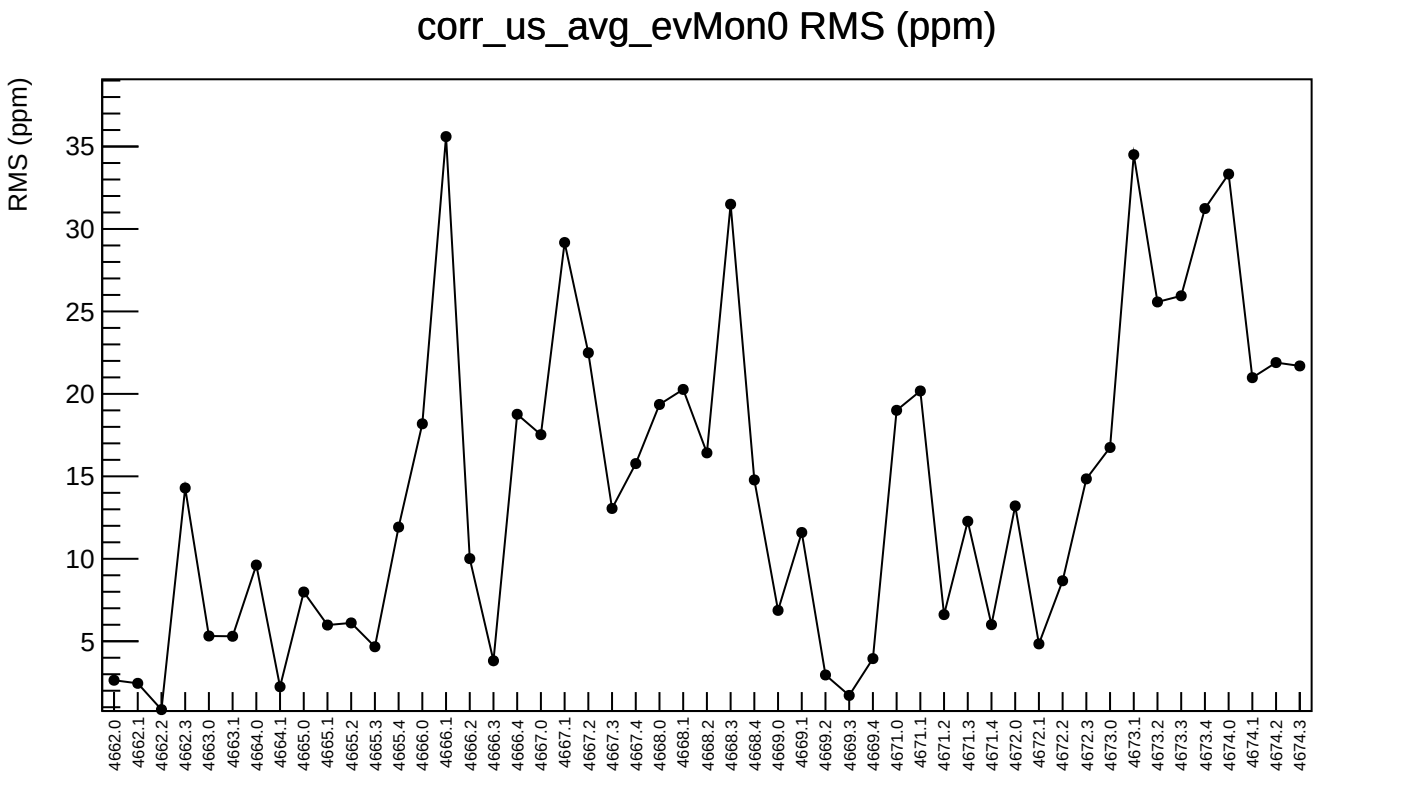

diff_evMon10 RMS (um)
RMS (um)
0.34
0.338
0.336
0.334
0.332
0.33
0.328
0.326
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
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

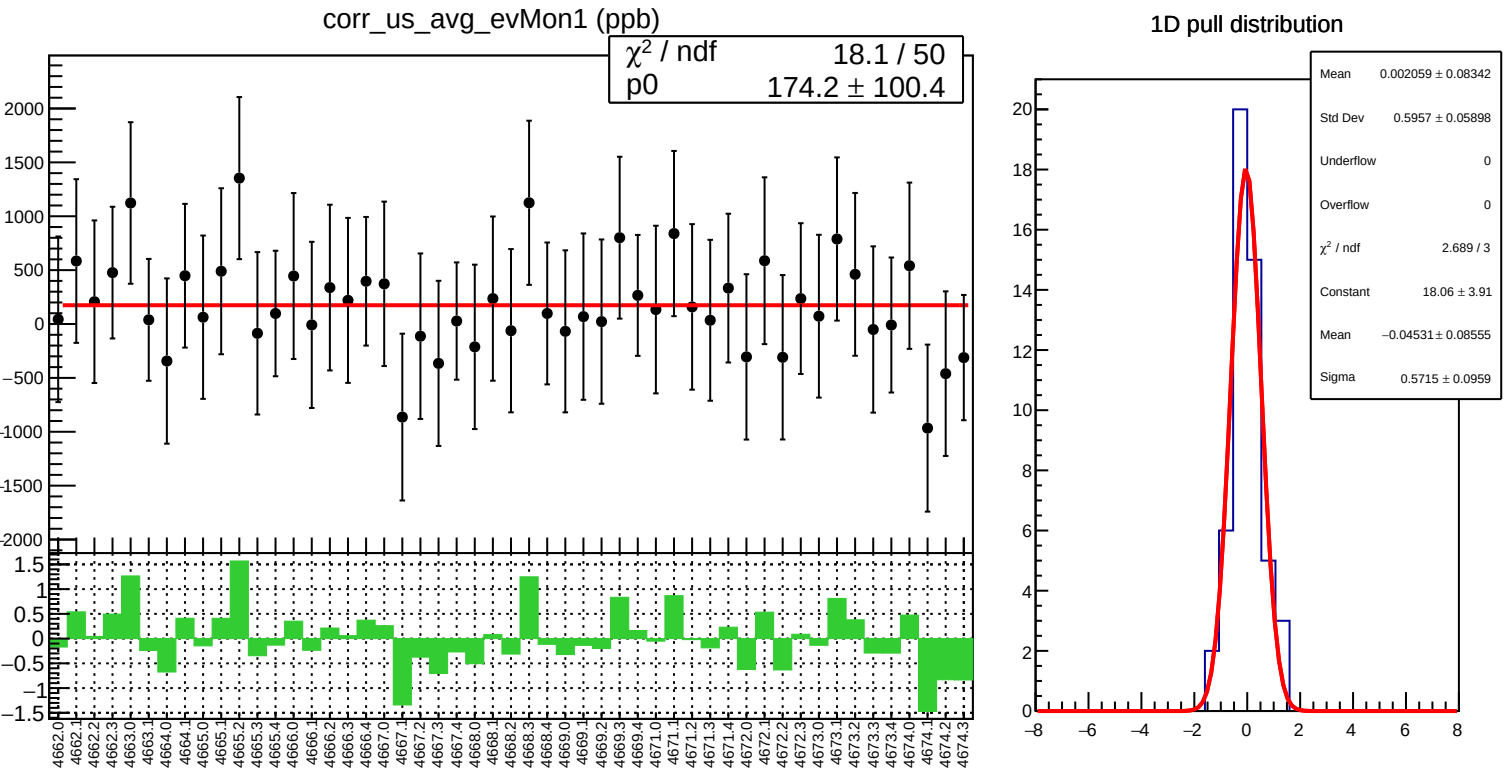

diff_evMon11 (nm)
χ² / ndf 54.46 / 50
p0 −0.409 ± 0.4229

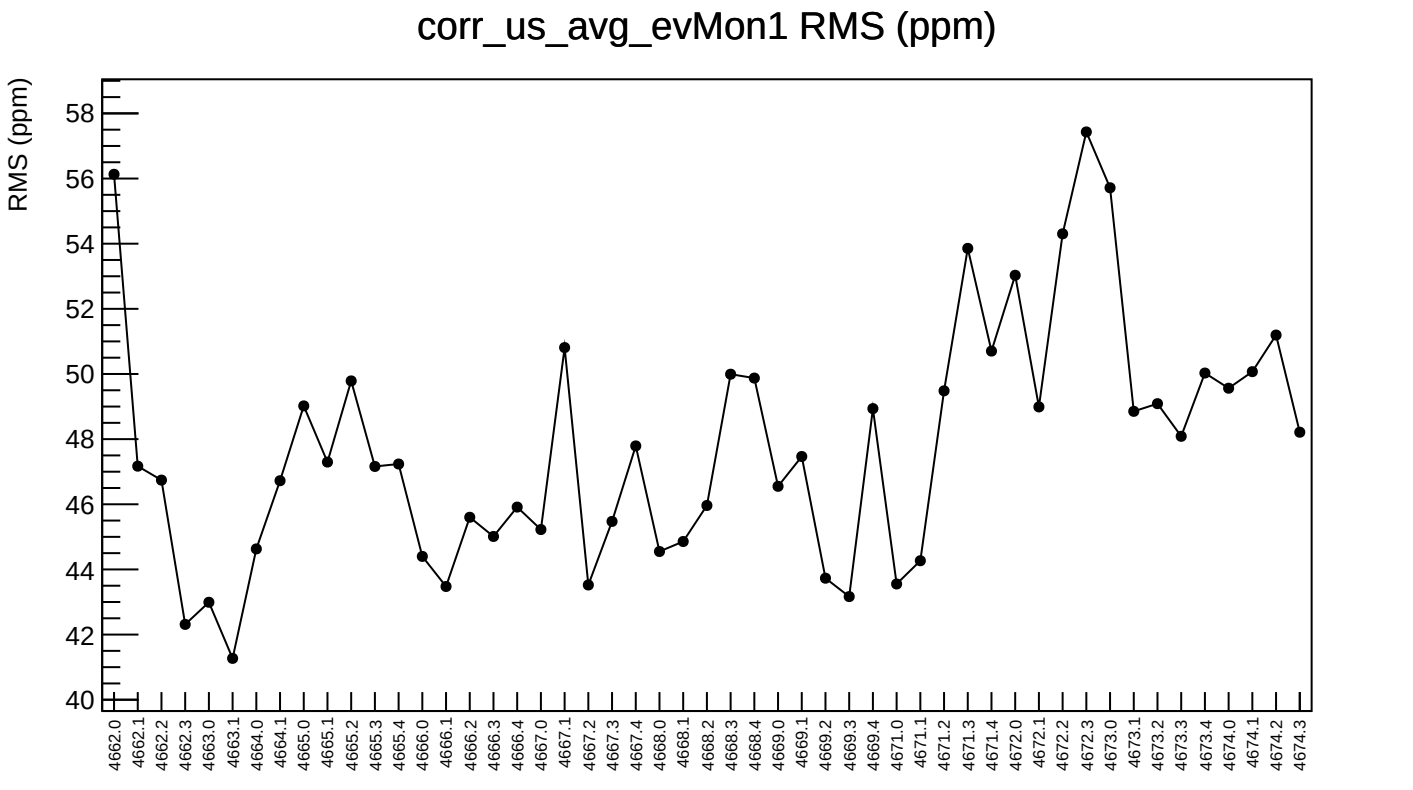

1D pull distribution
Mean −0.003889 ± 0.1447
Std Dev 1.033 ± 0.1023
Underflow 0
Overflow 0
χ² / ndf 5.206 / 7
Constant 10.87 ± 2.27
Mean −0.1037 ± 0.1372
Sigma 0.8988 ± 0.1366

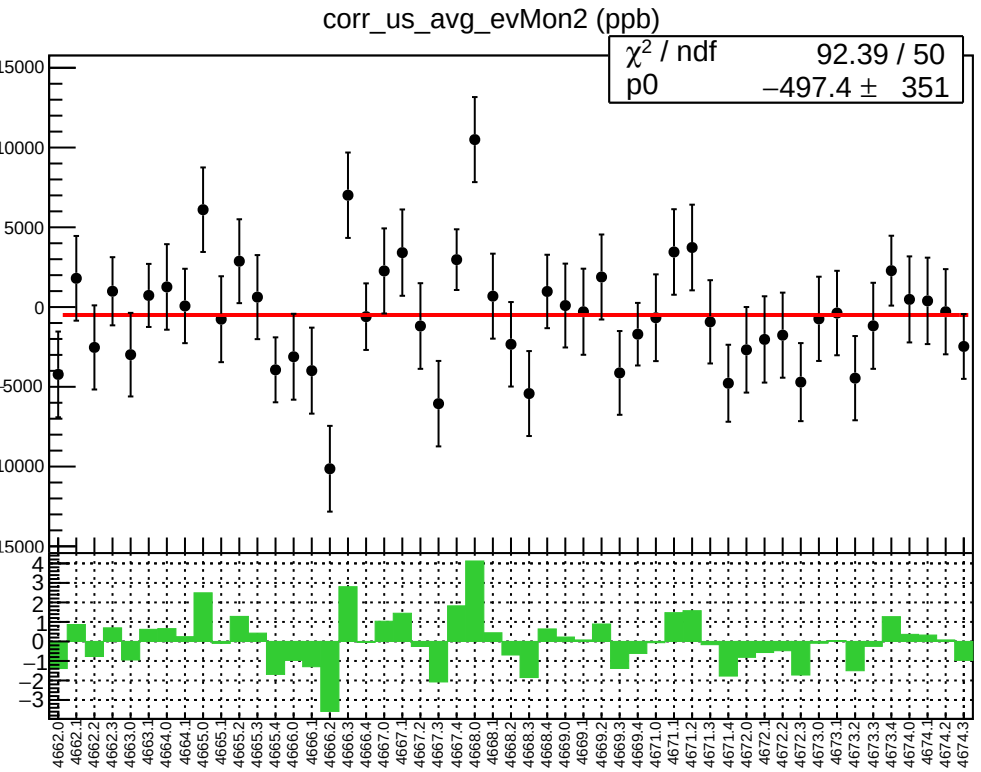

diff_evMon11 RMS (um)
RMS (um)
0.312
0.31
0.308
0.306
0.304
0.302
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

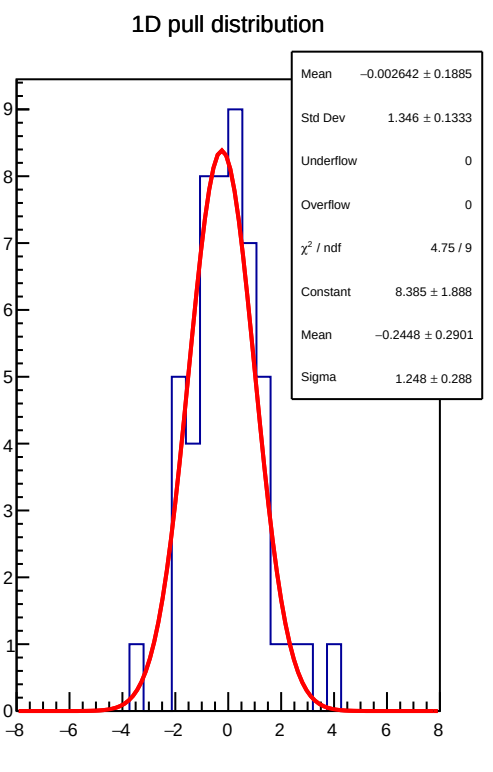

corr_us_avg_evMon0 (ppb)
χ² / ndf 1.741 / 50
p0 −35.42 ± 125.6
1500
1000
500
0
−500
−1000
−1500
0.4
0.2
0
−0.2
−0.4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
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 0.00422 ± 0.02587
Std Dev 0.1847 ± 0.01829
Underflow 0
Overflow 0
χ² / ndf 2.247e−07 / 0
Constant 34.56 ± 5.60
Mean 0.1991 ± 0.1640
Sigma 0.3753 ± 0.1049
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

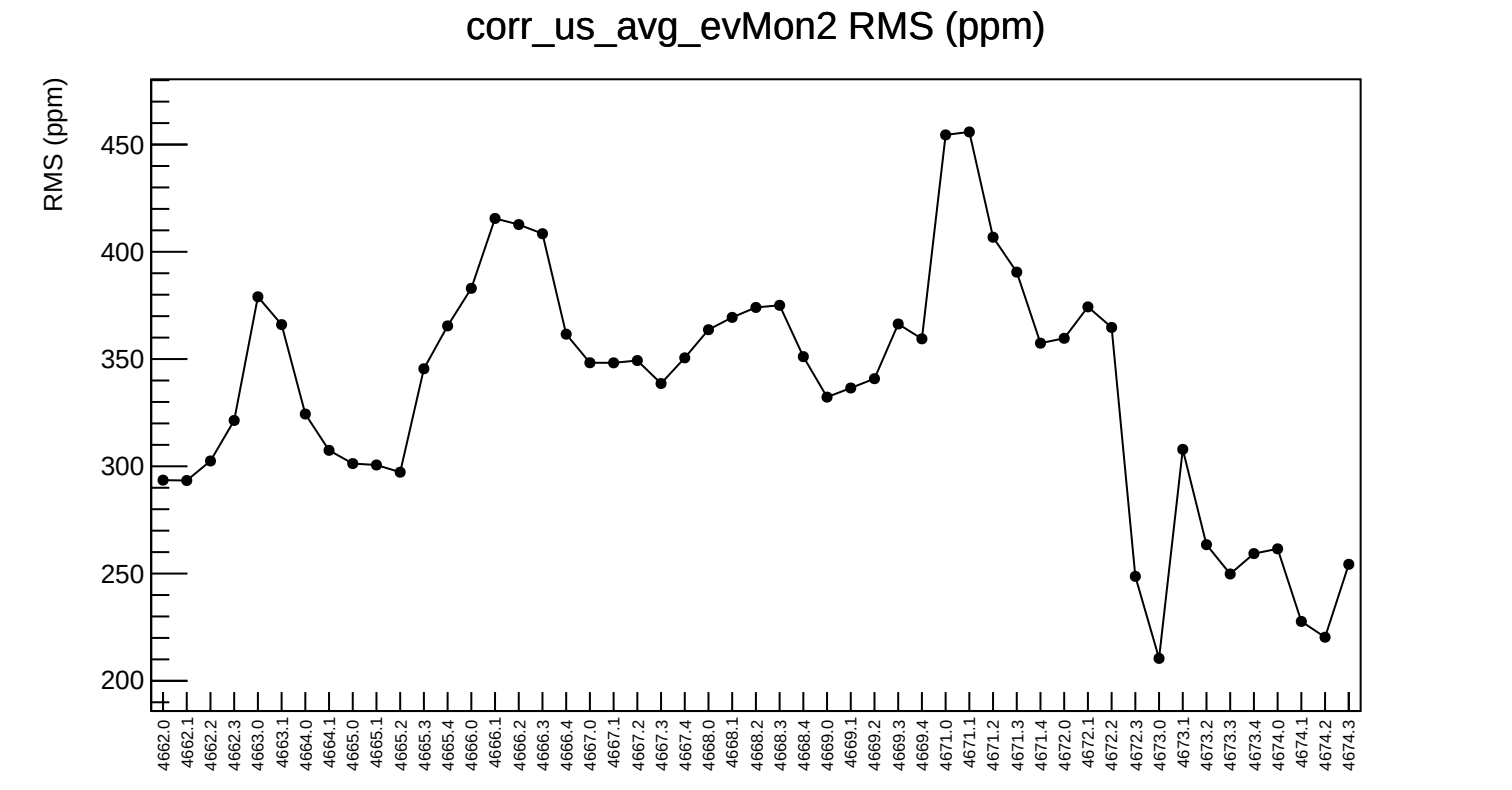

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
35
30
25
20
15
10
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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_avg_evMon1 (ppb)
χ² / ndf 18.1 / 50
p0 174.2 ± 100.4
1D pull distribution
Mean 0.002059 ± 0.08342
Std Dev 0.5957 ± 0.05898
Underflow 0
Overflow 0
χ² / ndf 2.689 / 3
Constant 18.06 ± 3.91
Mean −0.04531 ± 0.08555
Sigma 0.5715 ± 0.0959


corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
58
56
54
52
50
48
46
44
42
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_avg_evMon2 (ppb)
χ² / ndf 92.39 / 50
p0 −497.4 ± 351


1D pull distribution
Mean −0.002642 ± 0.1885
Std Dev 1.346 ± 0.1333
Underflow 0
Overflow 0
χ² / ndf 4.75 / 9
Constant 8.385 ± 1.888
Mean −0.2448 ± 0.2901
Sigma 1.248 ± 0.288


corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
450
400
350
300
250
200
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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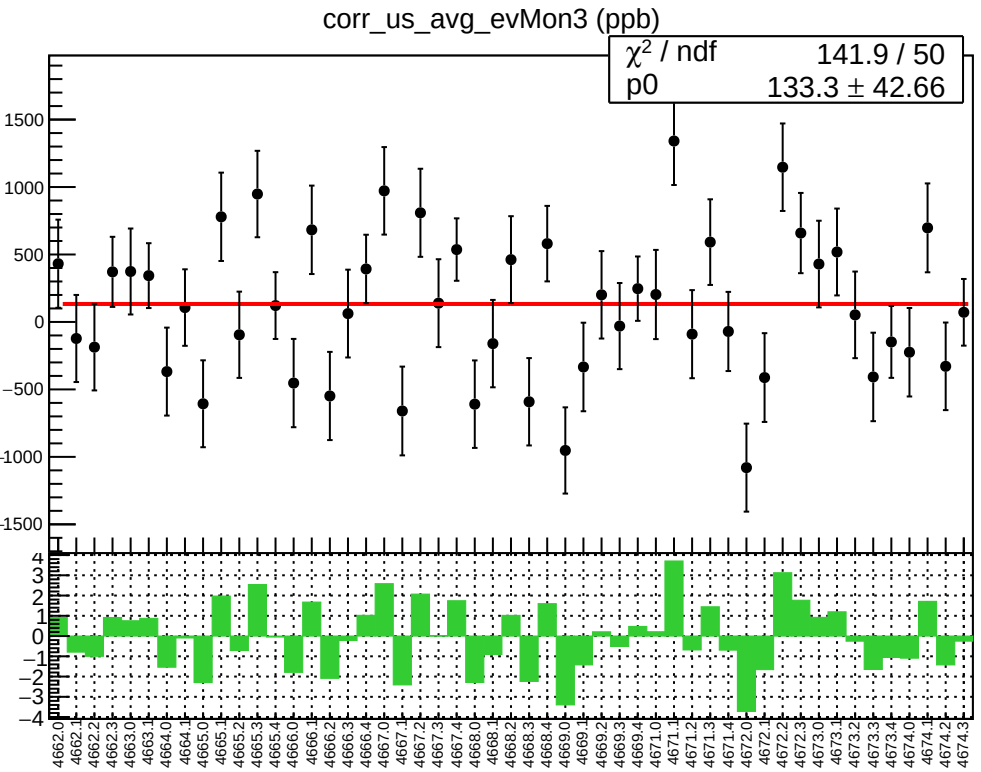
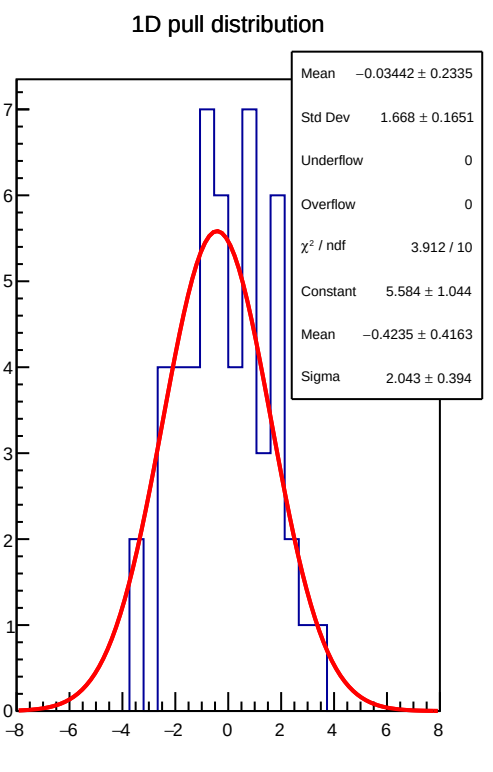
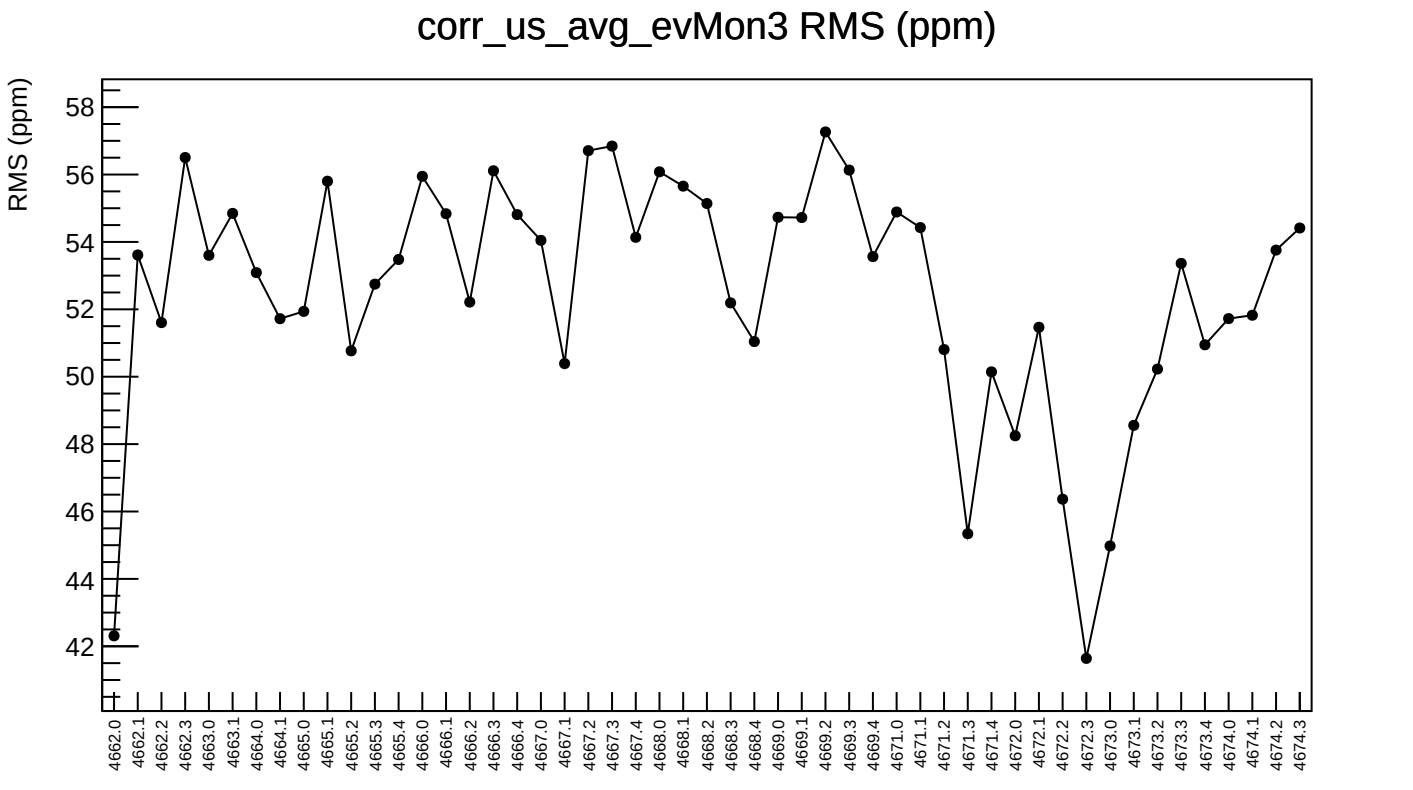
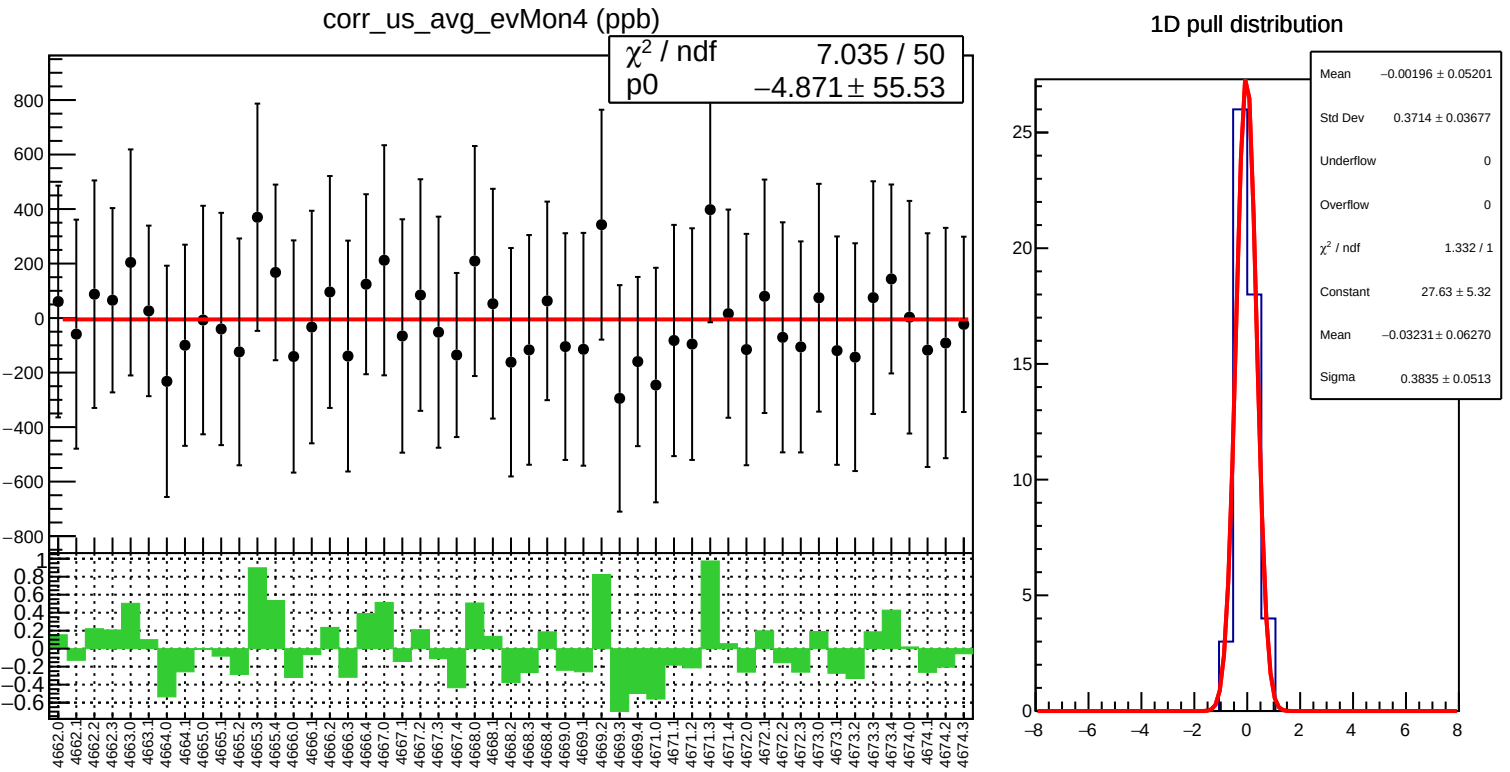
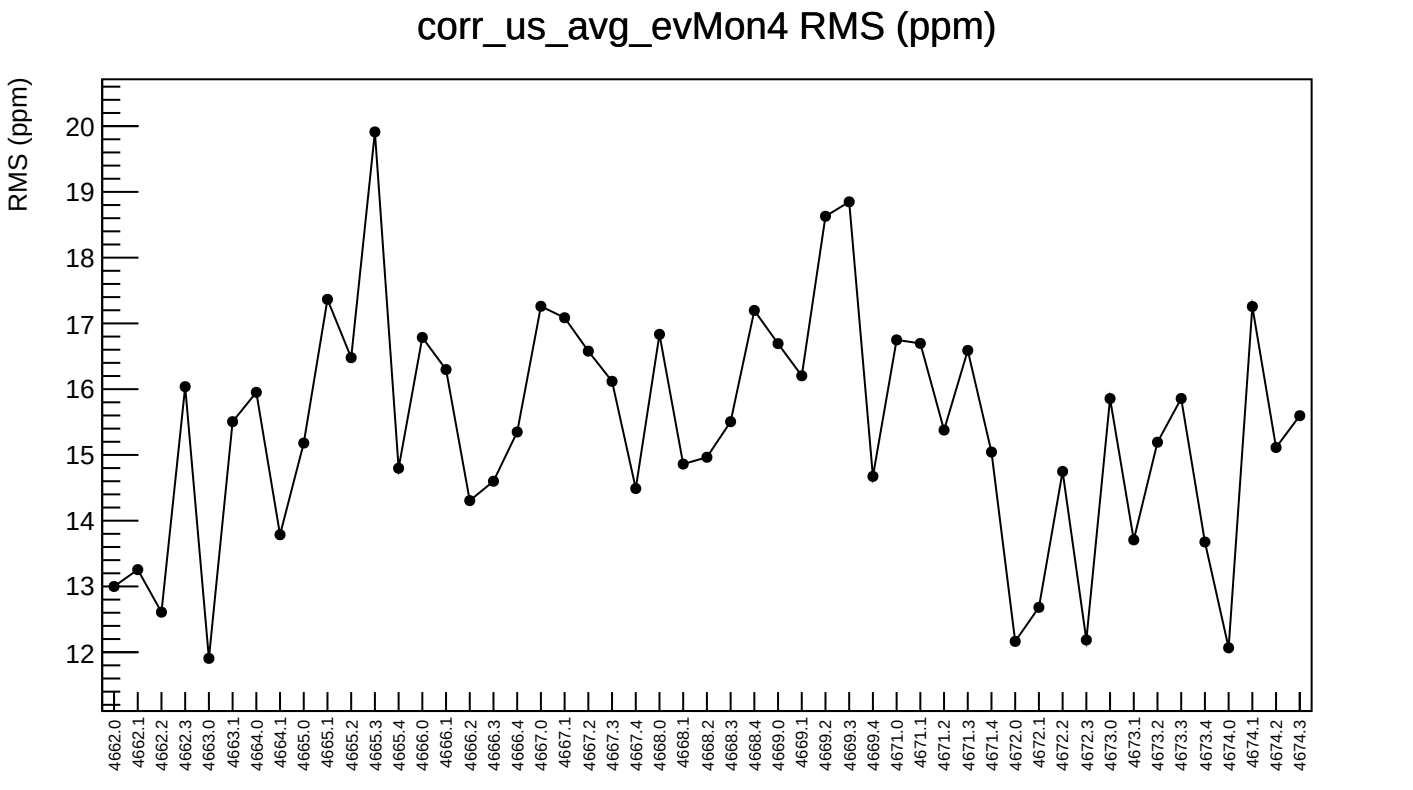
4673.1
4673.2
4673.3
4673.4
4674.0
4674.1
4674.2
4674.3

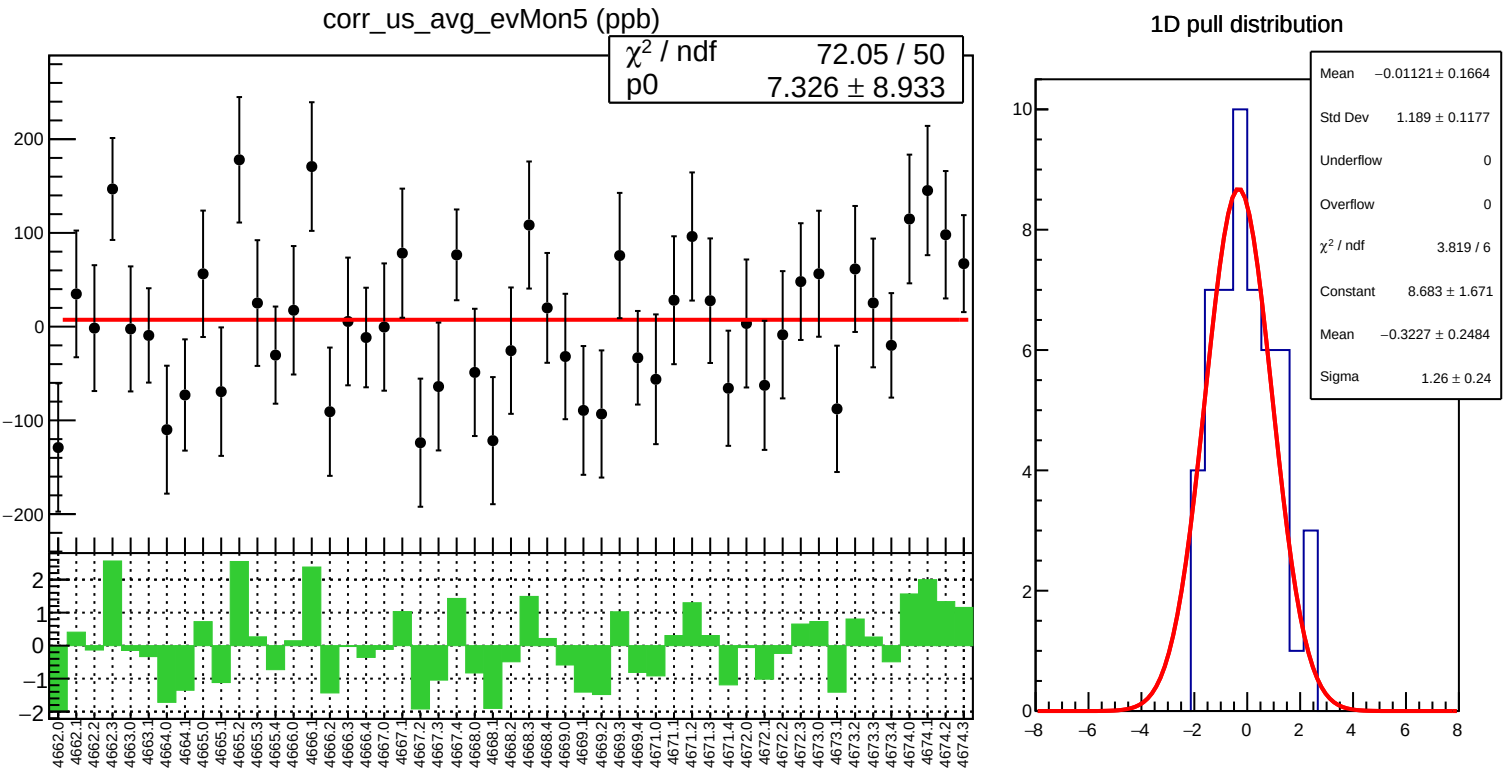

corr_us_avg_evMon3 (ppb)
χ² / ndf 141.9 / 50
p0 133.3 ± 42.66

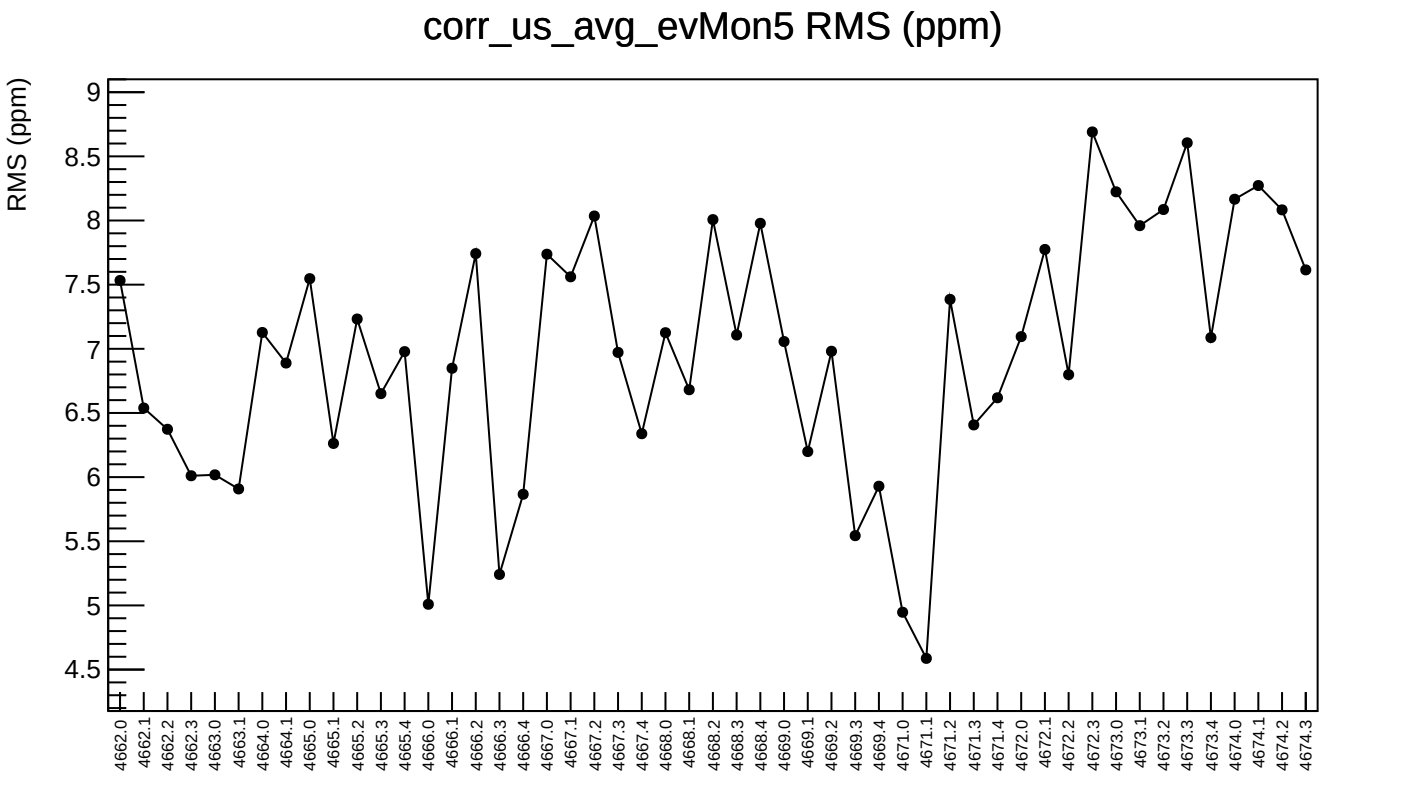

1D pull distribution
Mean −0.03442 ± 0.2335
Std Dev 1.668 ± 0.1651
Underflow 0
Overflow 0
χ² / ndf 3.912 / 10
Constant 5.584 ± 1.044
Mean −0.4235 ± 0.4163
Sigma 2.043 ± 0.394

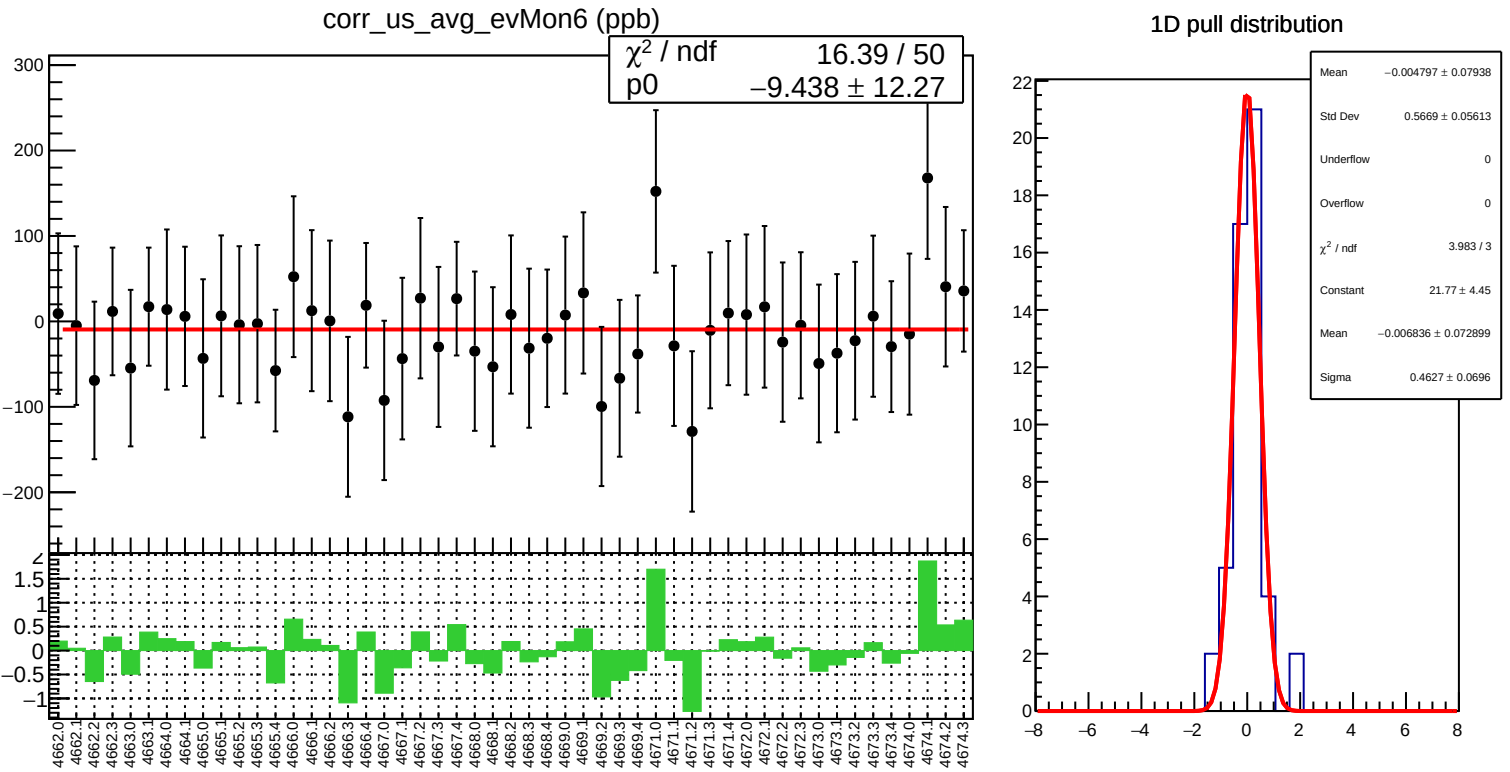

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
58
56
54
52
50
48
46
44
42
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

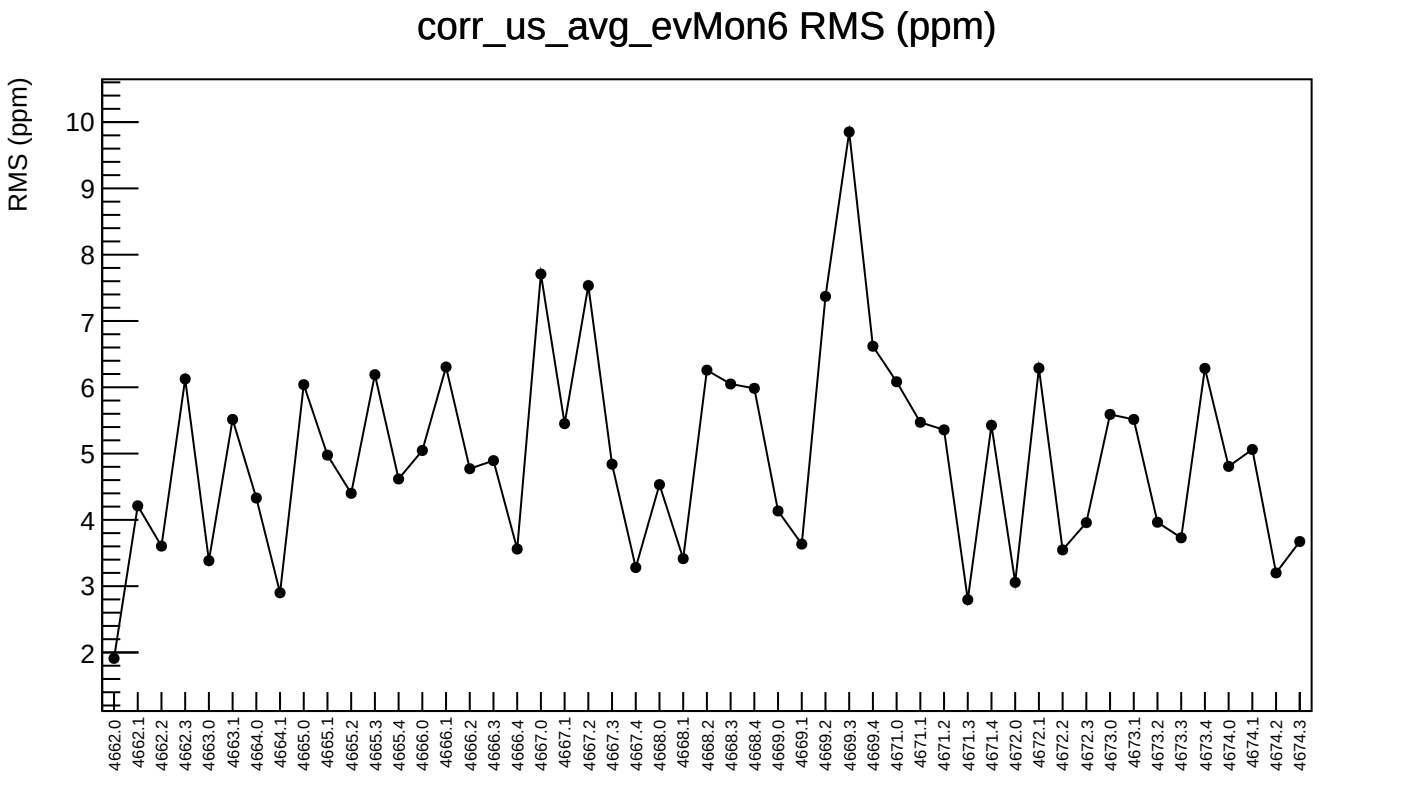

corr_us_avg_evMon4 (ppb)
χ² / ndf 7.035 / 50
p0 −4.871 ± 55.53
1D pull distribution
Mean −0.00196 ± 0.05201
Std Dev 0.3714 ± 0.03677
Underflow 0
Overflow 0
χ² / ndf 1.332 / 1
Constant 27.63 ± 5.32
Mean −0.03231 ± 0.06270
Sigma 0.3835 ± 0.0513

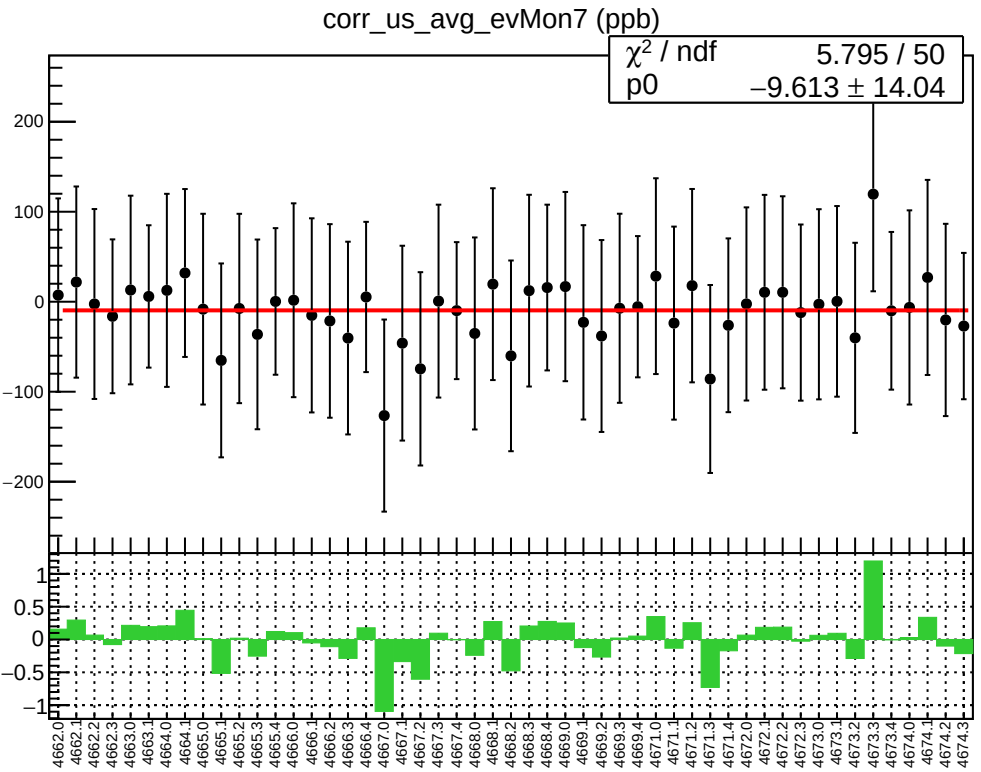

corr_us_avg_evMon4 RMS (ppm)
RMS (ppm)
20
19
18
17
16
15
14
13
12
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

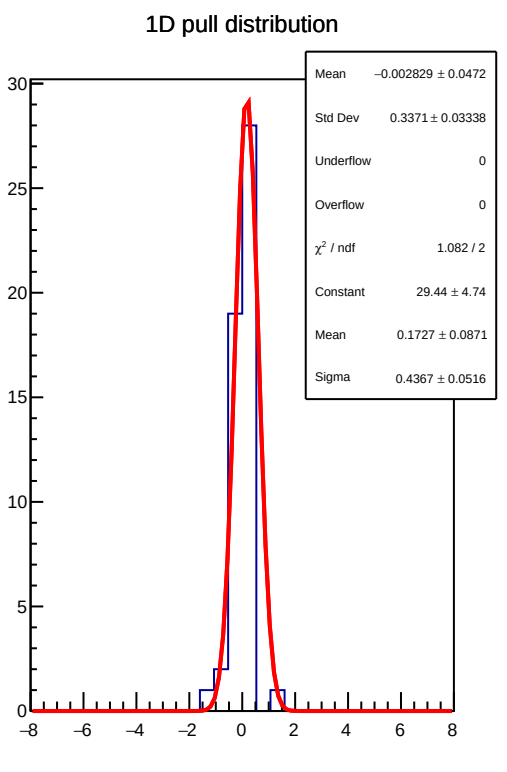

corr_us_avg_evMon5 (ppb)
χ² / ndf 72.05 / 50
p0 7.326 ± 8.933
1D pull distribution
Mean −0.01121 ± 0.1664
Std Dev 1.189 ± 0.1177
Underflow 0
Overflow 0
χ² / ndf 3.819 / 6
Constant 8.683 ± 1.671
Mean −0.3227 ± 0.2484
Sigma 1.26 ± 0.24

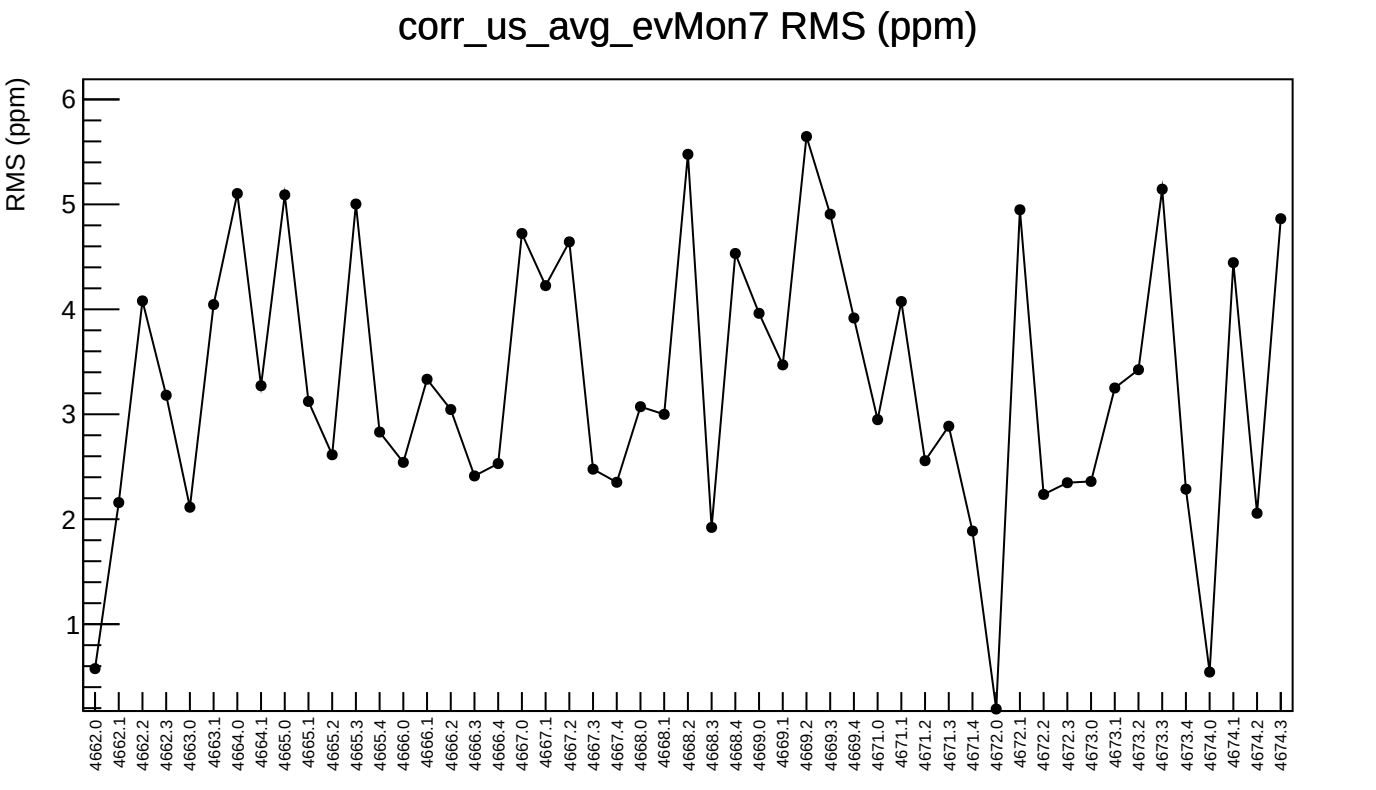

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
9
8.5
8
7.5
7
6.5
6
5.5
5
4.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

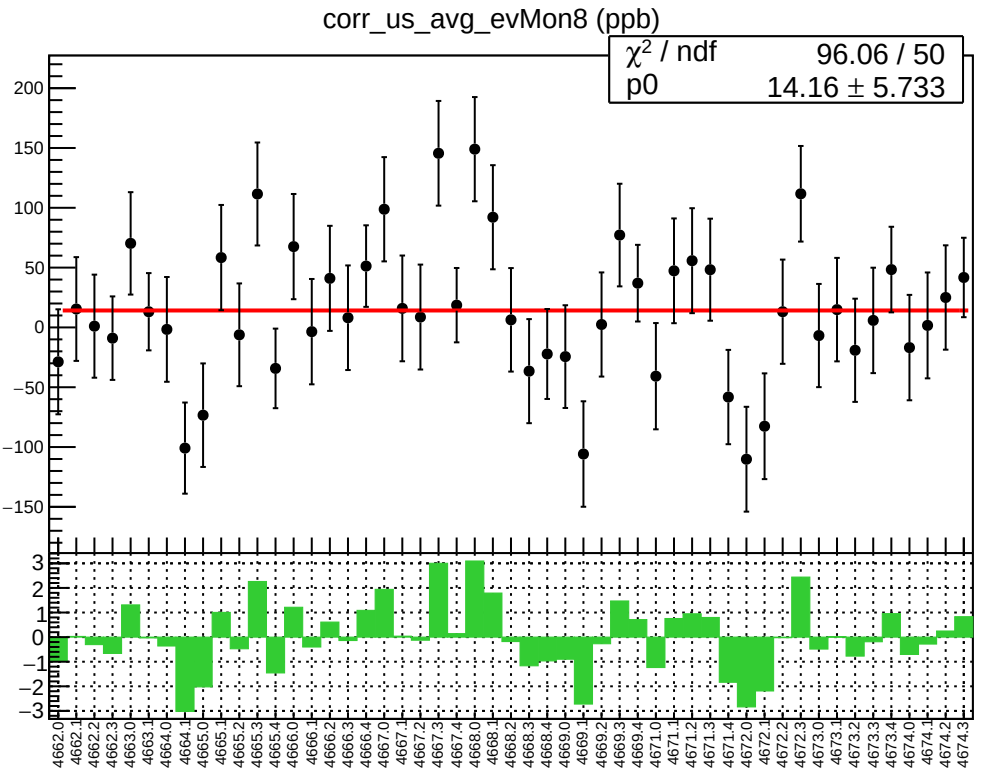

corr_us_avg_evMon6 (ppb)
χ² / ndf 16.39 / 50
p0 −9.438 ± 12.27
1D pull distribution
Mean −0.004797 ± 0.07938
Std Dev 0.5669 ± 0.05613
Underflow 0
Overflow 0
χ² / ndf 3.983 / 3
Constant 21.77 ± 4.45
Mean −0.006836 ± 0.072899
Sigma 0.4627 ± 0.0696

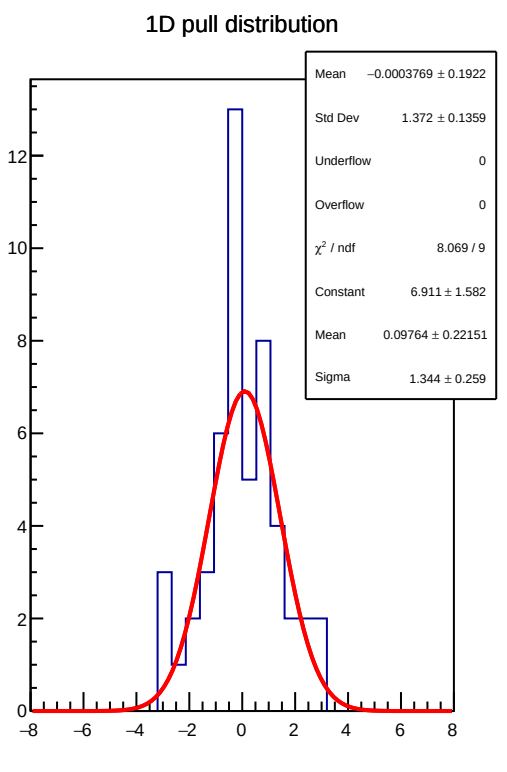

corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

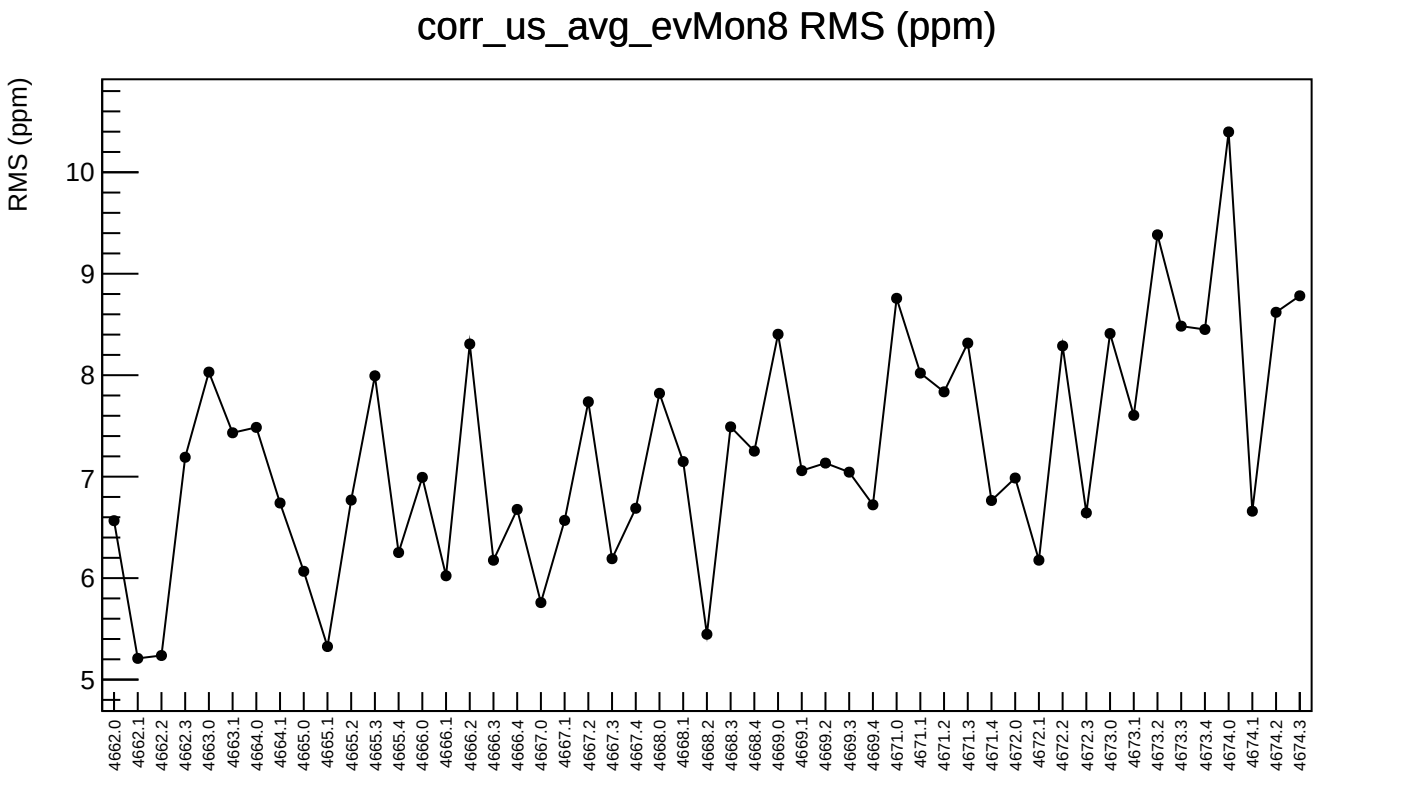

corr_us_avg_evMon7 (ppb)
χ² / ndf 5.795 / 50
p0 −9.613 ± 14.04
200
100
0
−100
−200
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
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

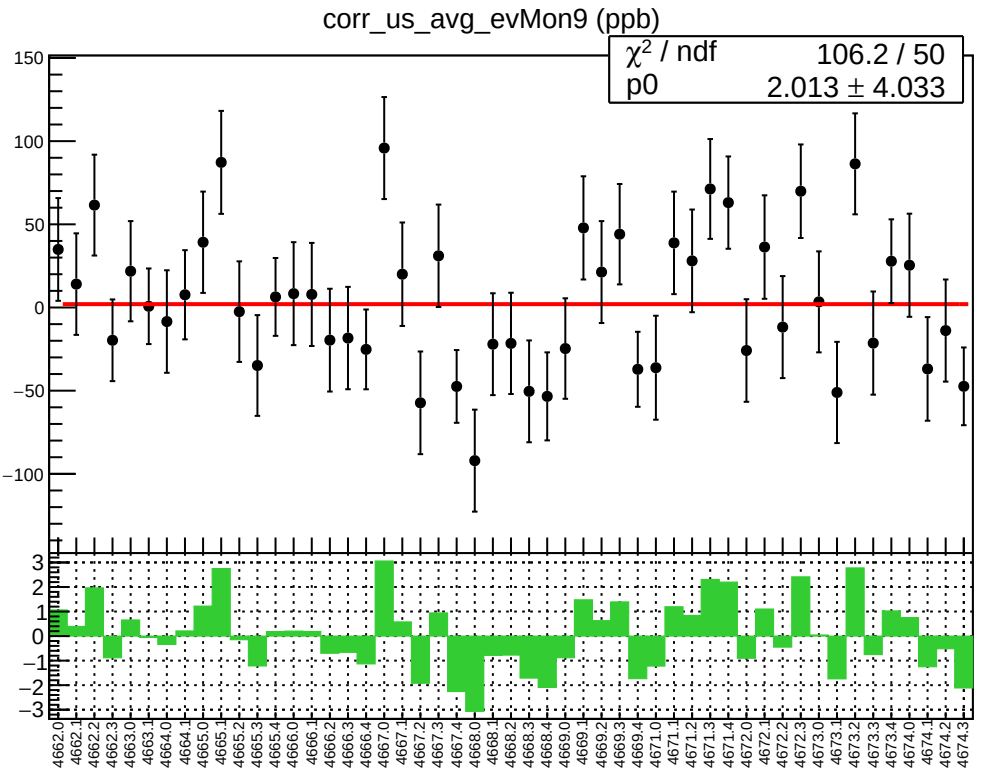

1D pull distribution
Mean −0.002829 ± 0.0472
Std Dev 0.3371 ± 0.03338
Underflow 0
Overflow 0
χ² / ndf 1.082 / 2
Constant 29.44 ± 4.74
Mean 0.1727 ± 0.0871
Sigma 0.4367 ± 0.0516
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

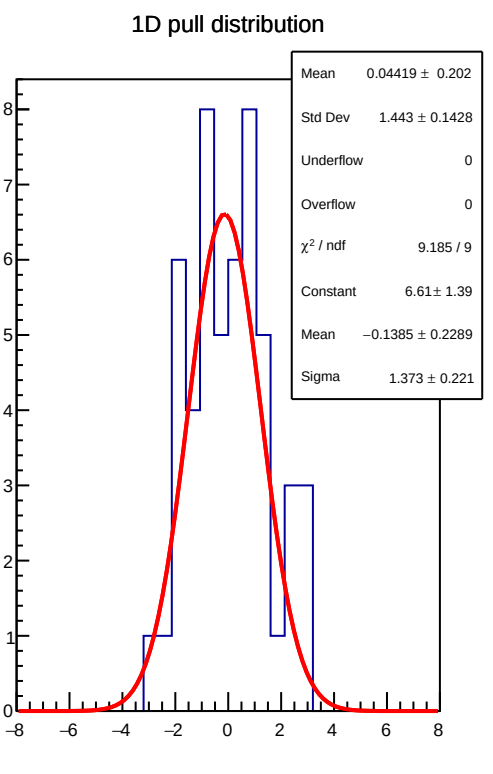

corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

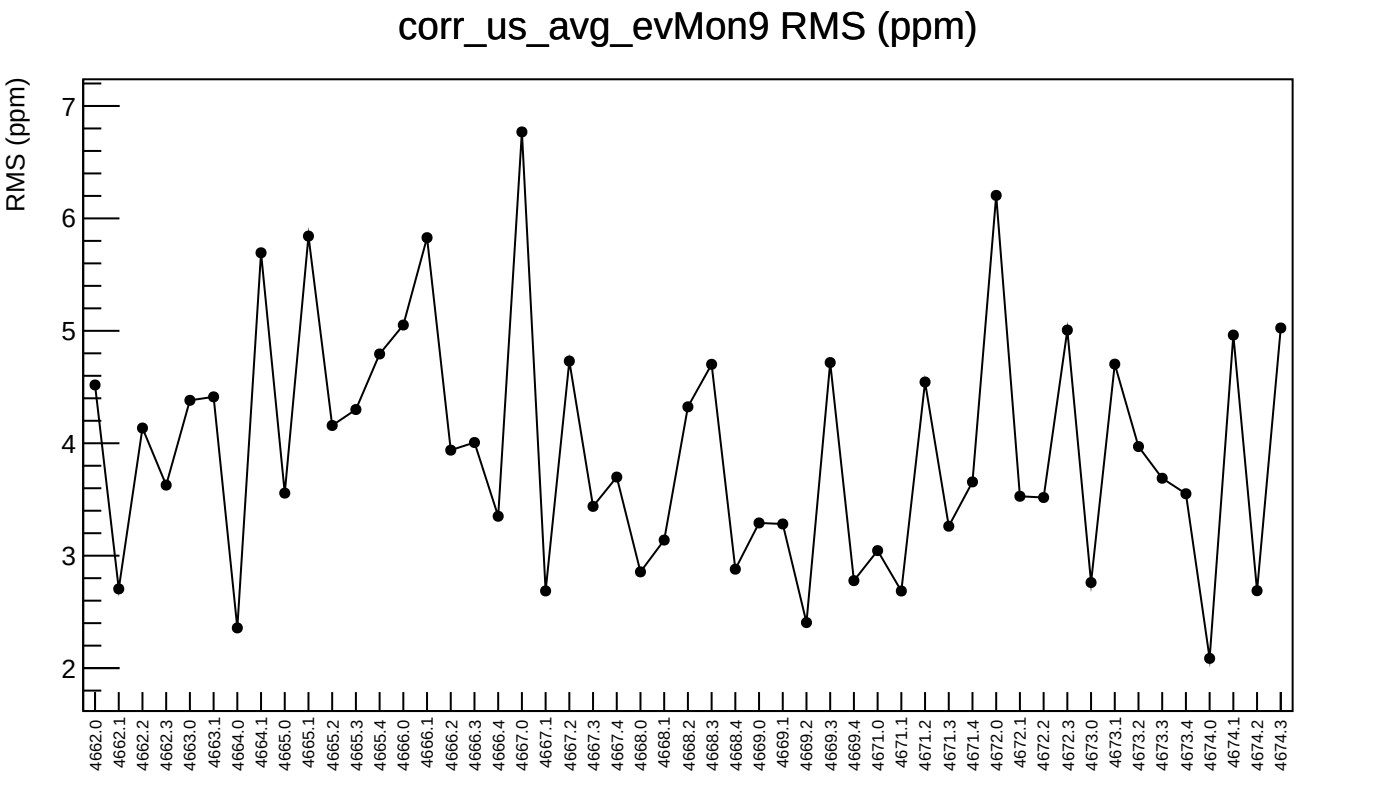

corr_us_avg_evMon8 (ppb)
χ² / ndf 96.06 / 50
p0 14.16 ± 5.733
200
150
100
50
0
−50
−100
−150
3
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
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

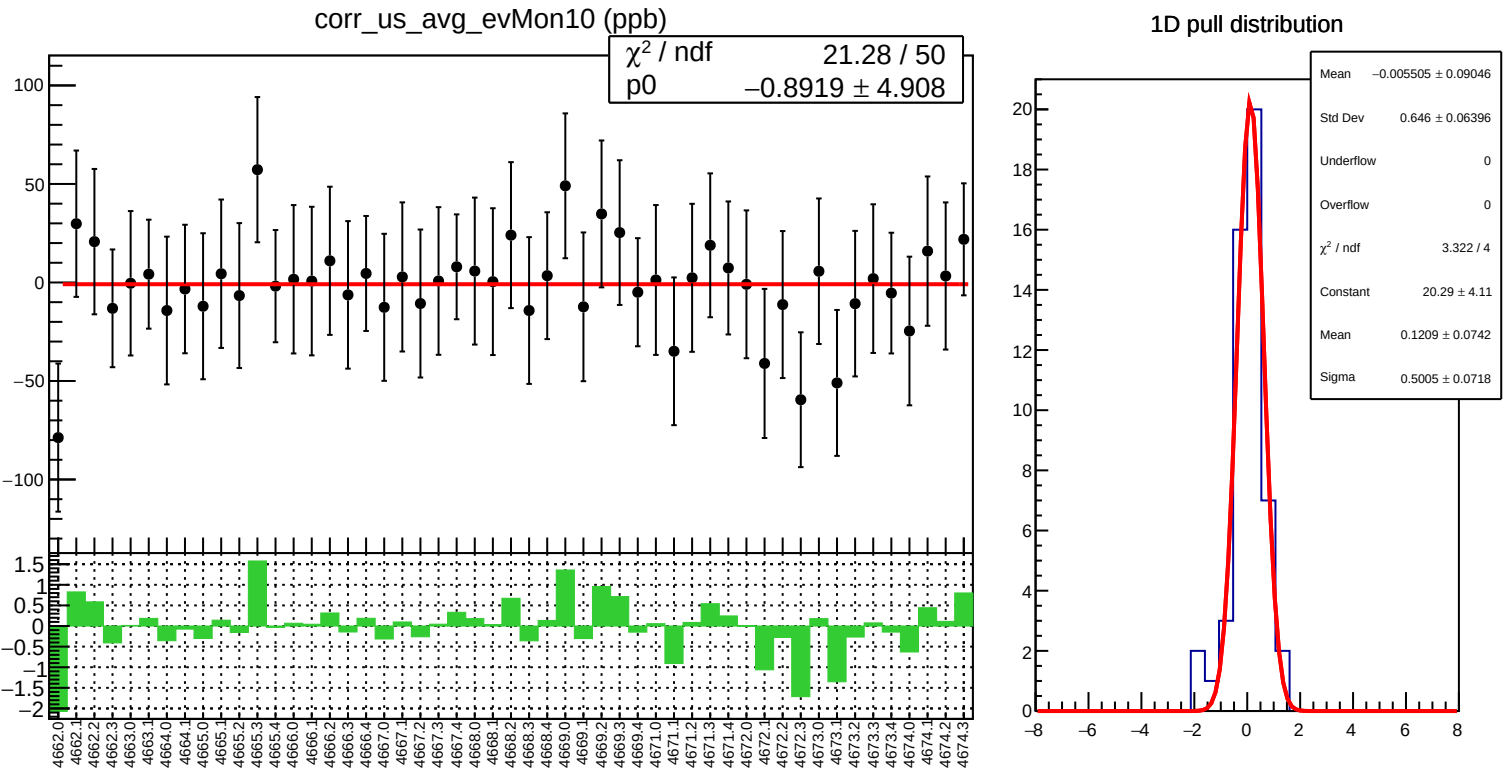

1D pull distribution
Mean −0.0003769 ± 0.1922
Std Dev 1.372 ± 0.1359
Underflow 0
Overflow 0
χ² / ndf 8.069 / 9
Constant 6.911 ± 1.582
Mean 0.09764 ± 0.22151
Sigma 1.344 ± 0.259
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

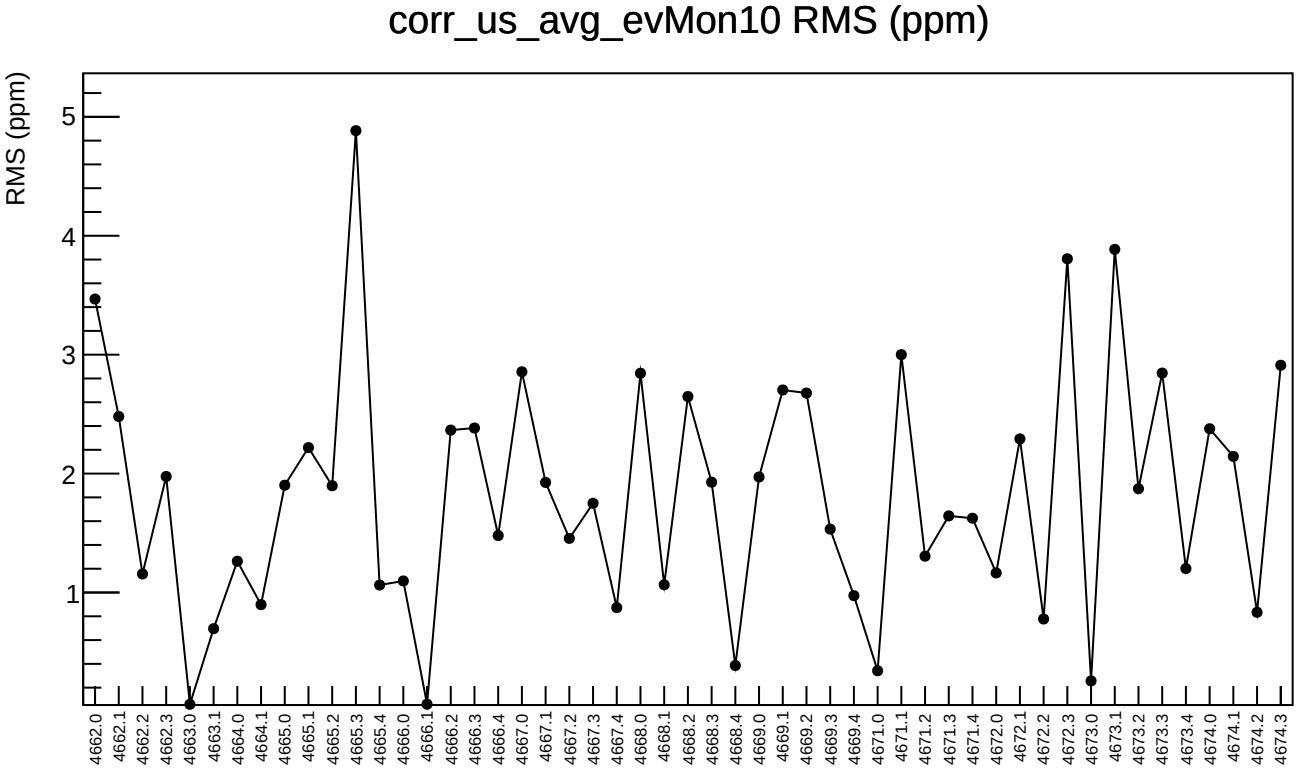

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

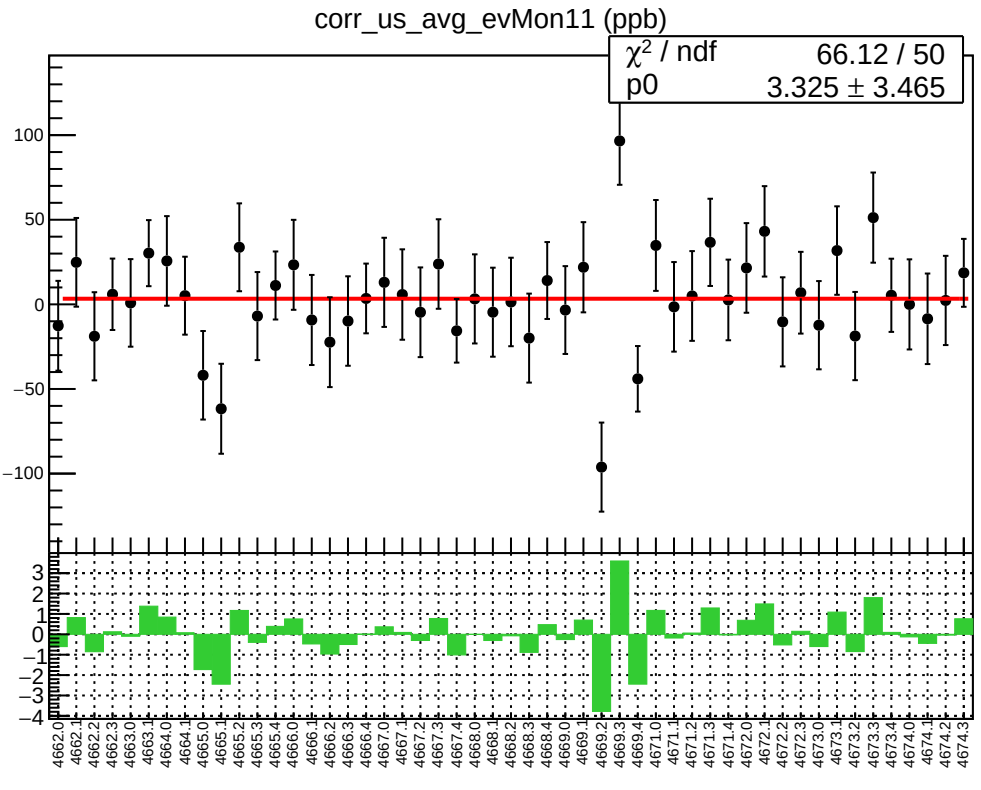

corr_us_avg_evMon9 (ppb)
χ² / ndf 106.2 / 50
p0 2.013 ± 4.033

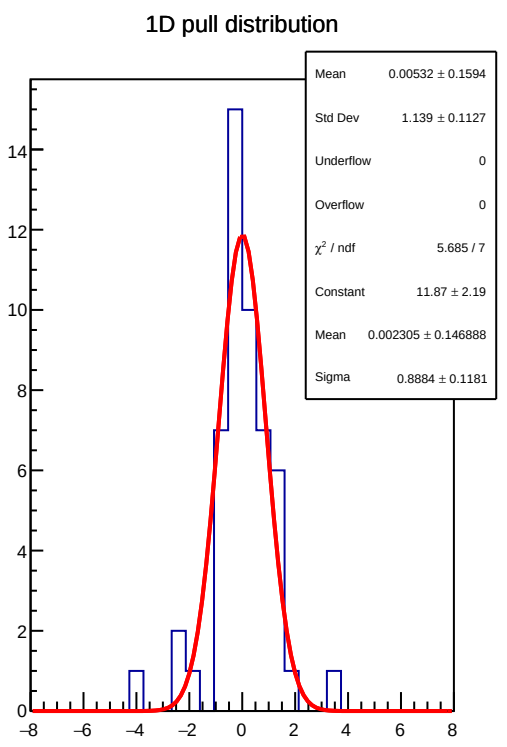

1D pull distribution
Mean 0.04419 ± 0.202
Std Dev 1.443 ± 0.1428
Underflow 0
Overflow 0
χ² / ndf 9.185 / 9
Constant 6.61± 1.39
Mean −0.1385 ± 0.2289
Sigma 1.373 ± 0.221

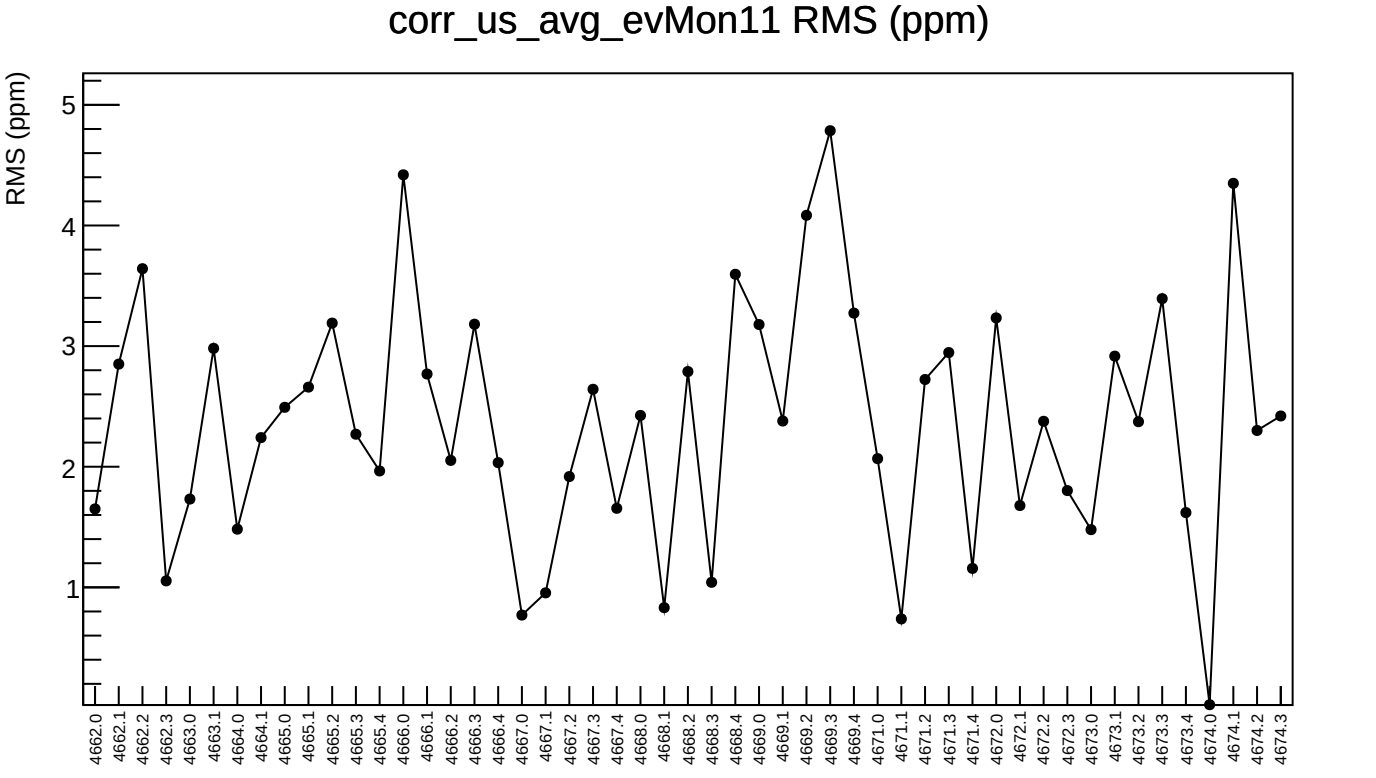

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

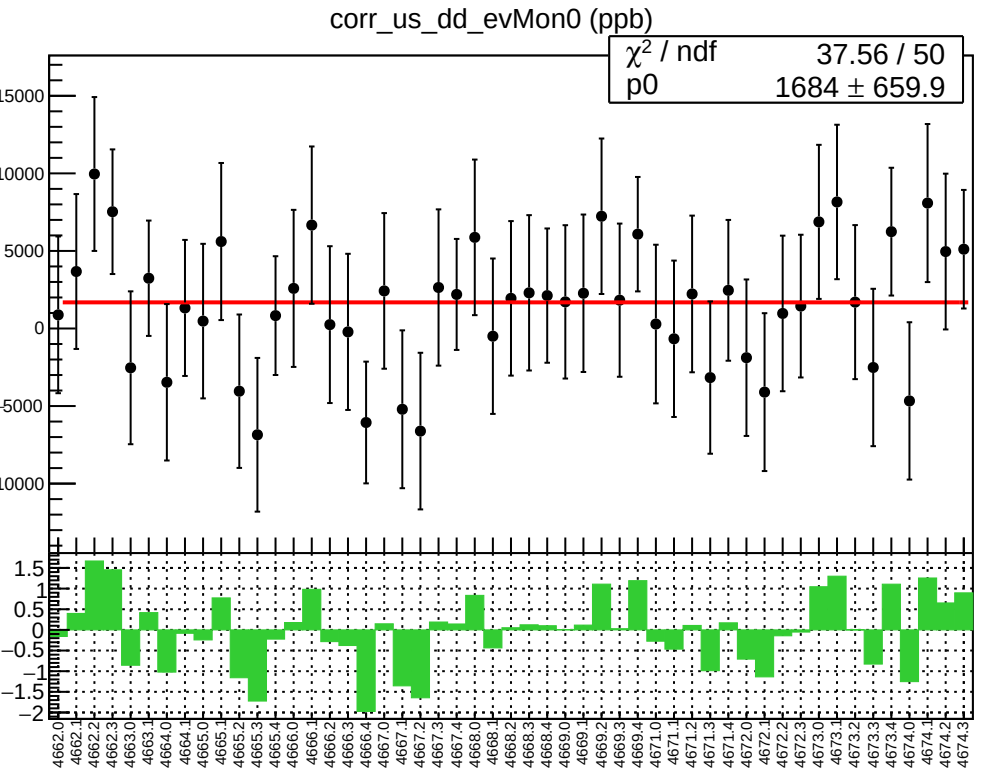

corr_us_avg_evMon10 (ppb)
χ² / ndf 21.28 / 50
p0 −0.8919 ± 4.908
1D pull distribution
Mean −0.005505 ± 0.09046
Std Dev 0.646 ± 0.06396
Underflow 0
Overflow 0
χ² / ndf 3.322 / 4
Constant 20.29 ± 4.11
Mean 0.1209 ± 0.0742
Sigma 0.5005 ± 0.0718

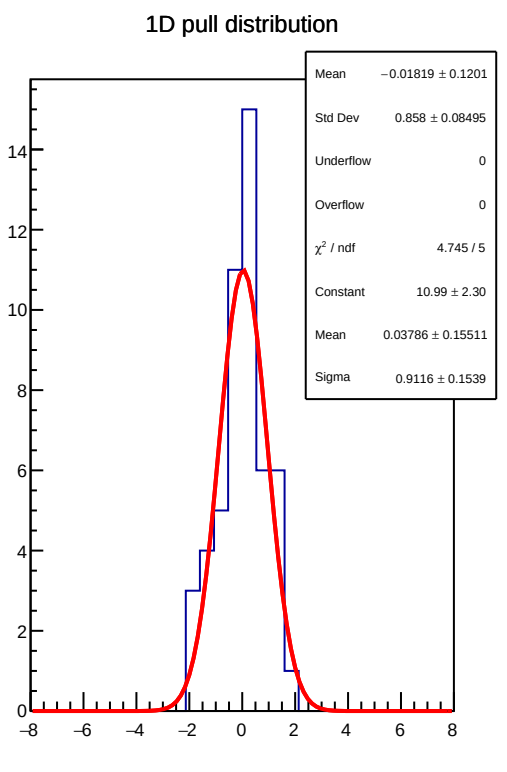

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

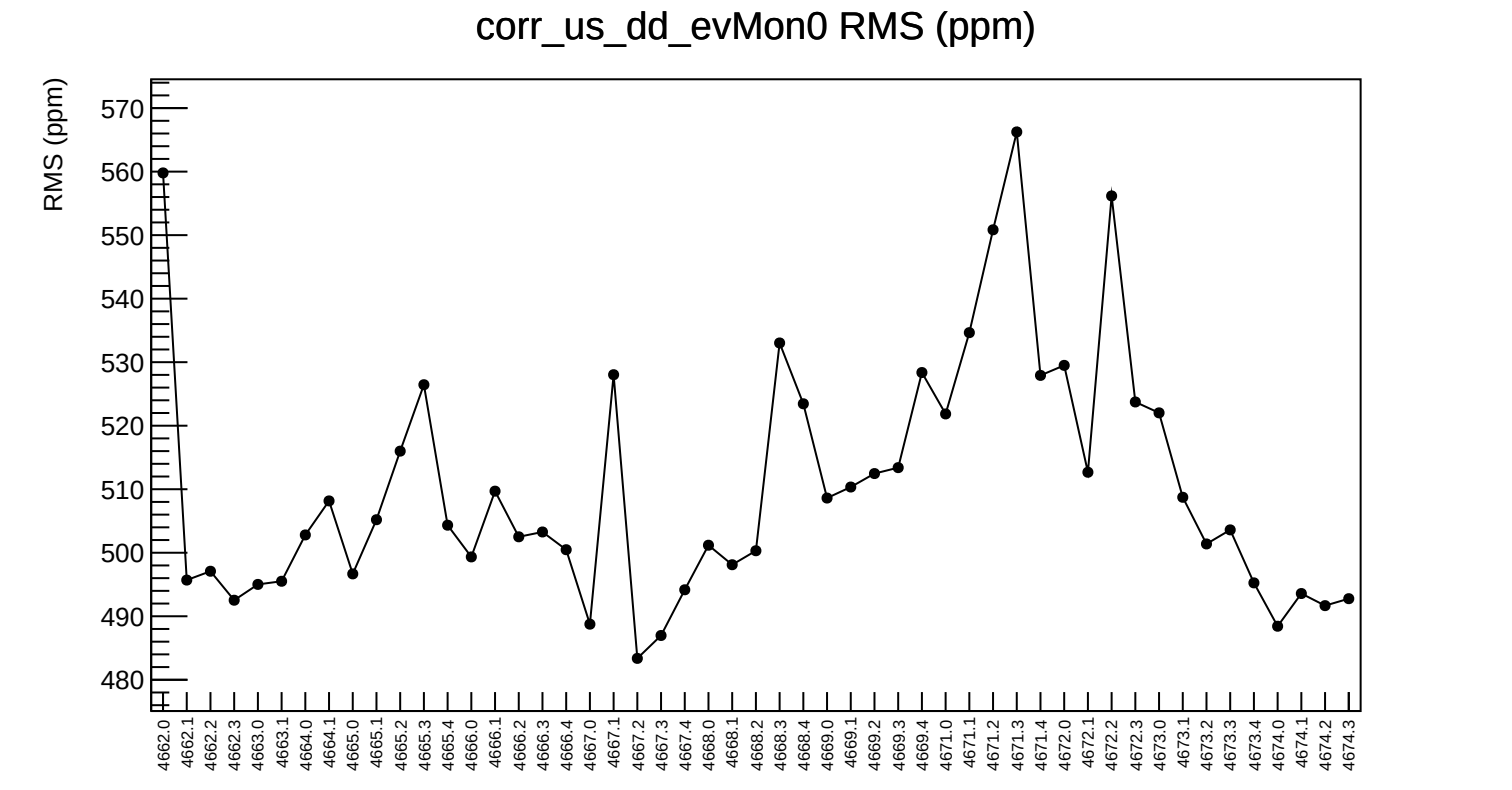

corr_us_avg_evMon11 (ppb)
χ² / ndf 66.12 / 50
p0 3.325 ± 3.465
100
50
0
−50
−100
3
2
1
0
−1
−2
−3
−4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
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

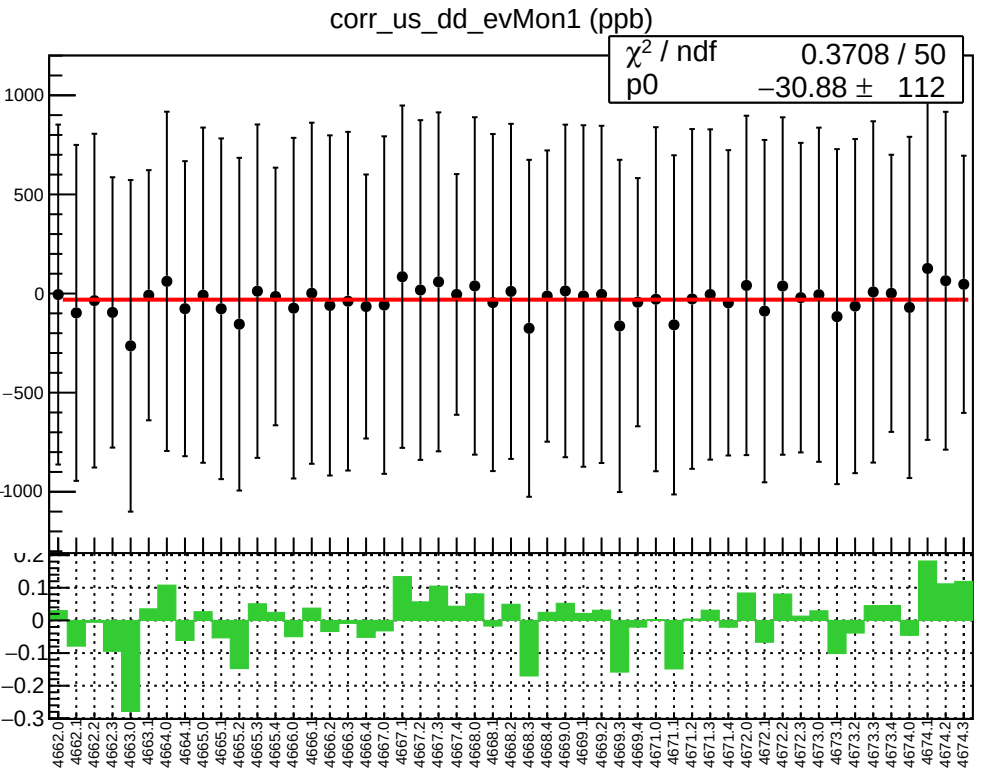

1D pull distribution
Mean 0.00532 ± 0.1594
Std Dev 1.139 ± 0.1127
Underflow 0
Overflow 0
χ² / ndf 5.685 / 7
Constant 11.87 ± 2.19
Mean 0.002305 ± 0.146888
Sigma 0.8884 ± 0.1181
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

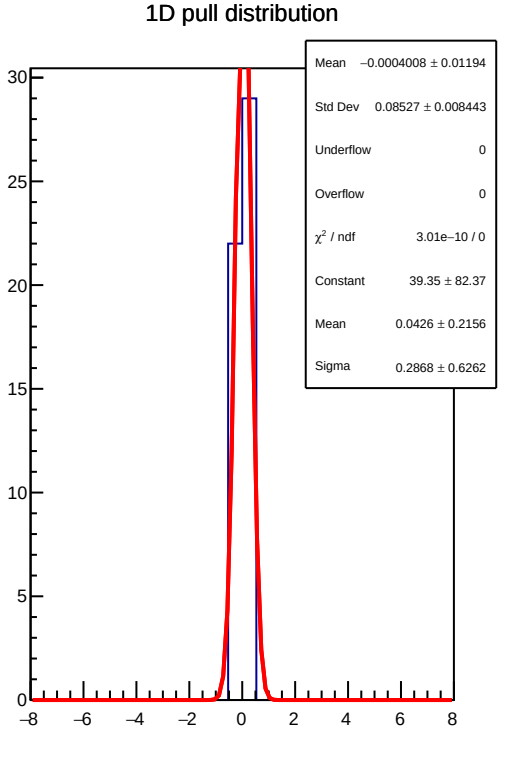

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

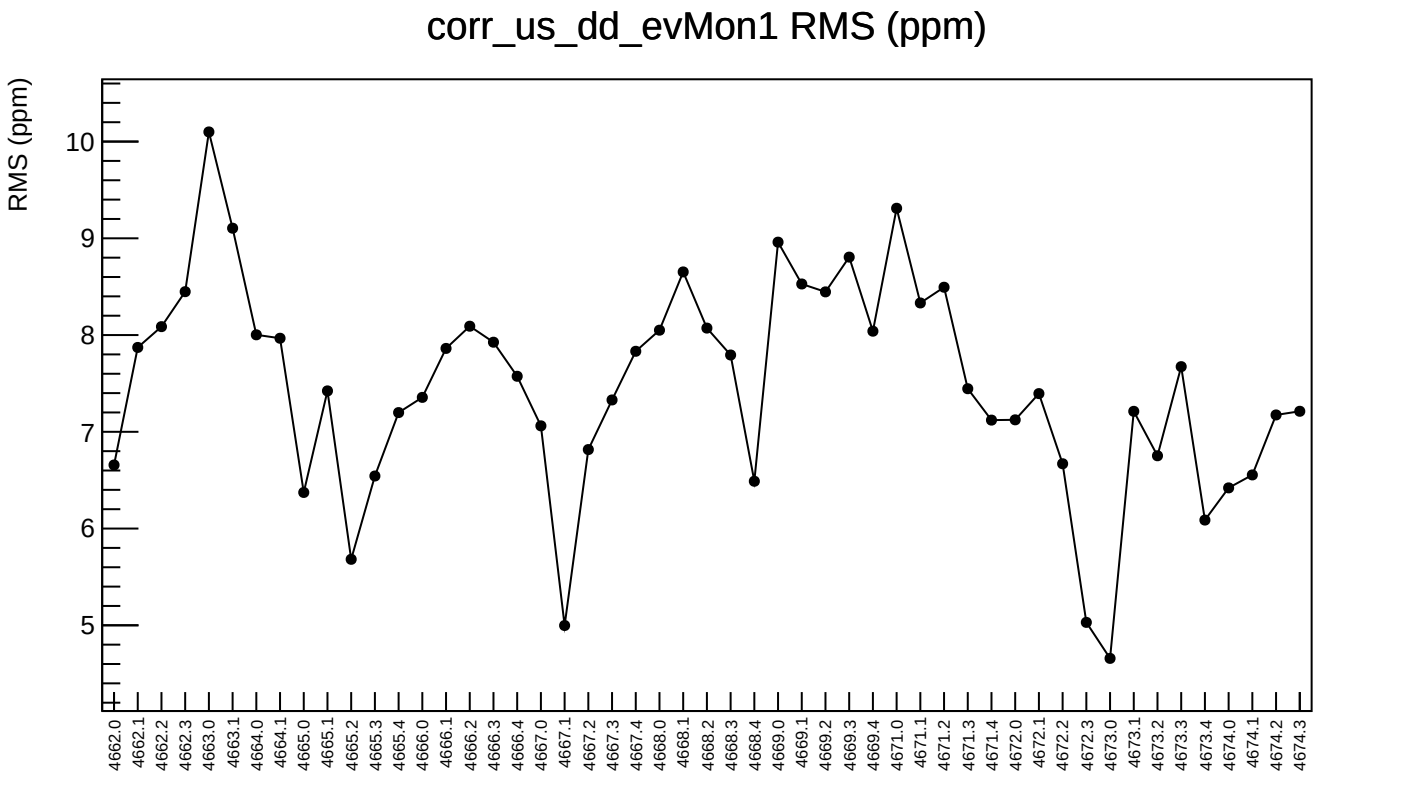

corr_us_dd_evMon0 (ppb)
χ² / ndf 37.56 / 50
p0 1684 ± 659.9
15000
10000
5000
0
-5000
-10000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

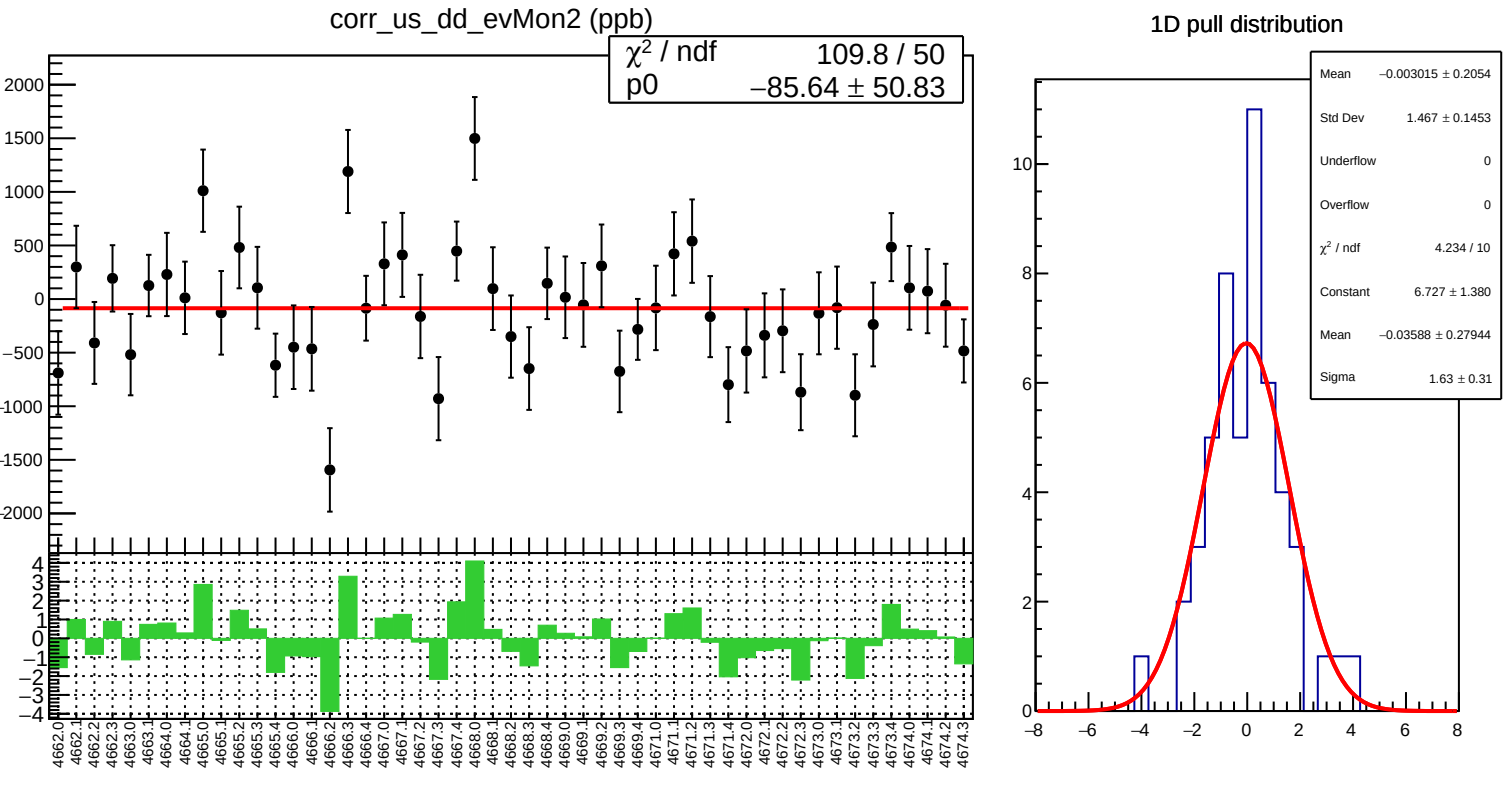

1D pull distribution
Mean −0.01819 ± 0.1201
Std Dev 0.858 ± 0.08495
Underflow 0
Overflow 0
χ² / ndf 4.745 / 5
Constant 10.99 ± 2.30
Mean 0.03786 ± 0.15511
Sigma 0.9116 ± 0.1539
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

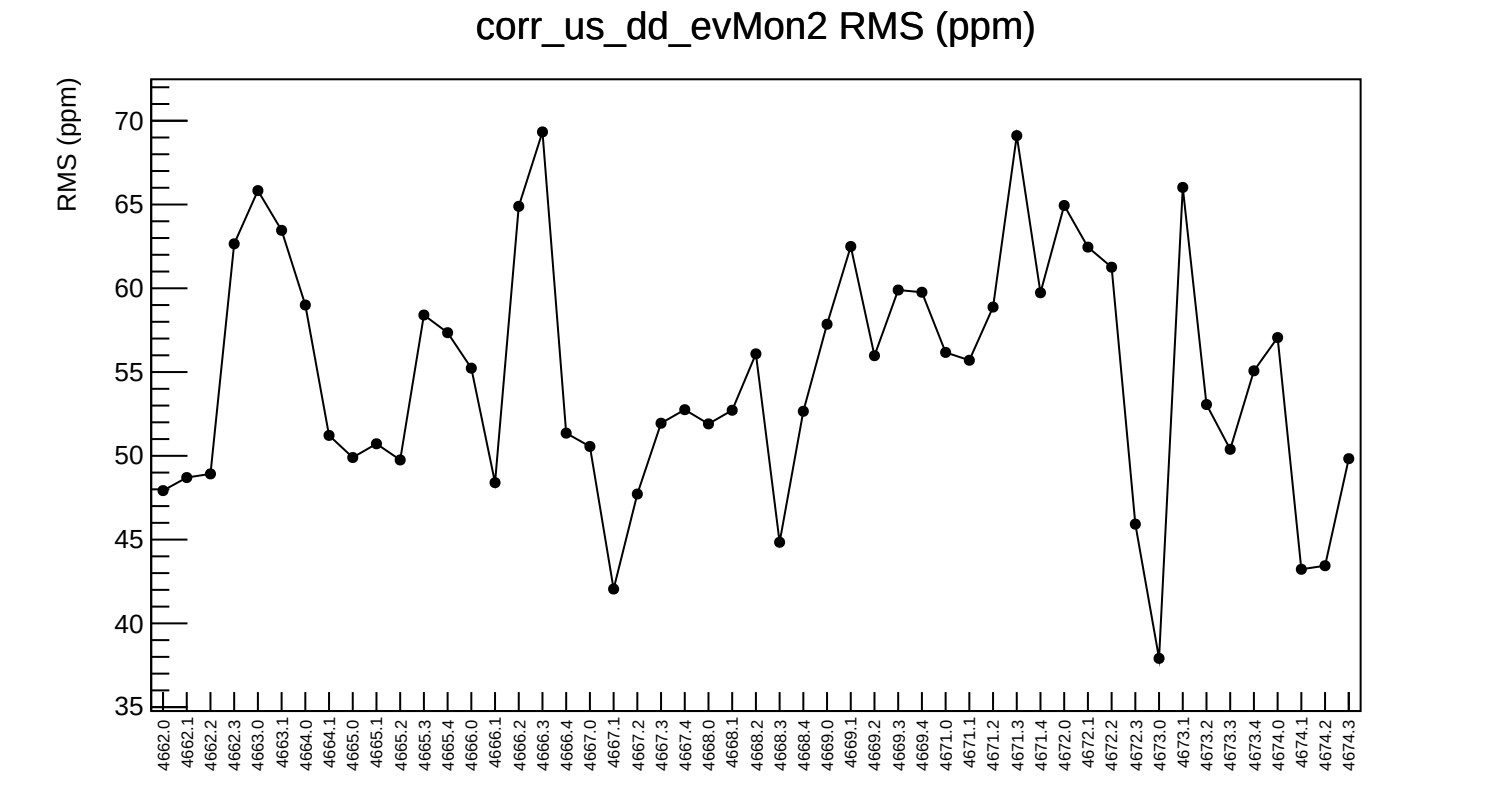

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
570
560
550
540
530
520
510
500
490
480
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
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

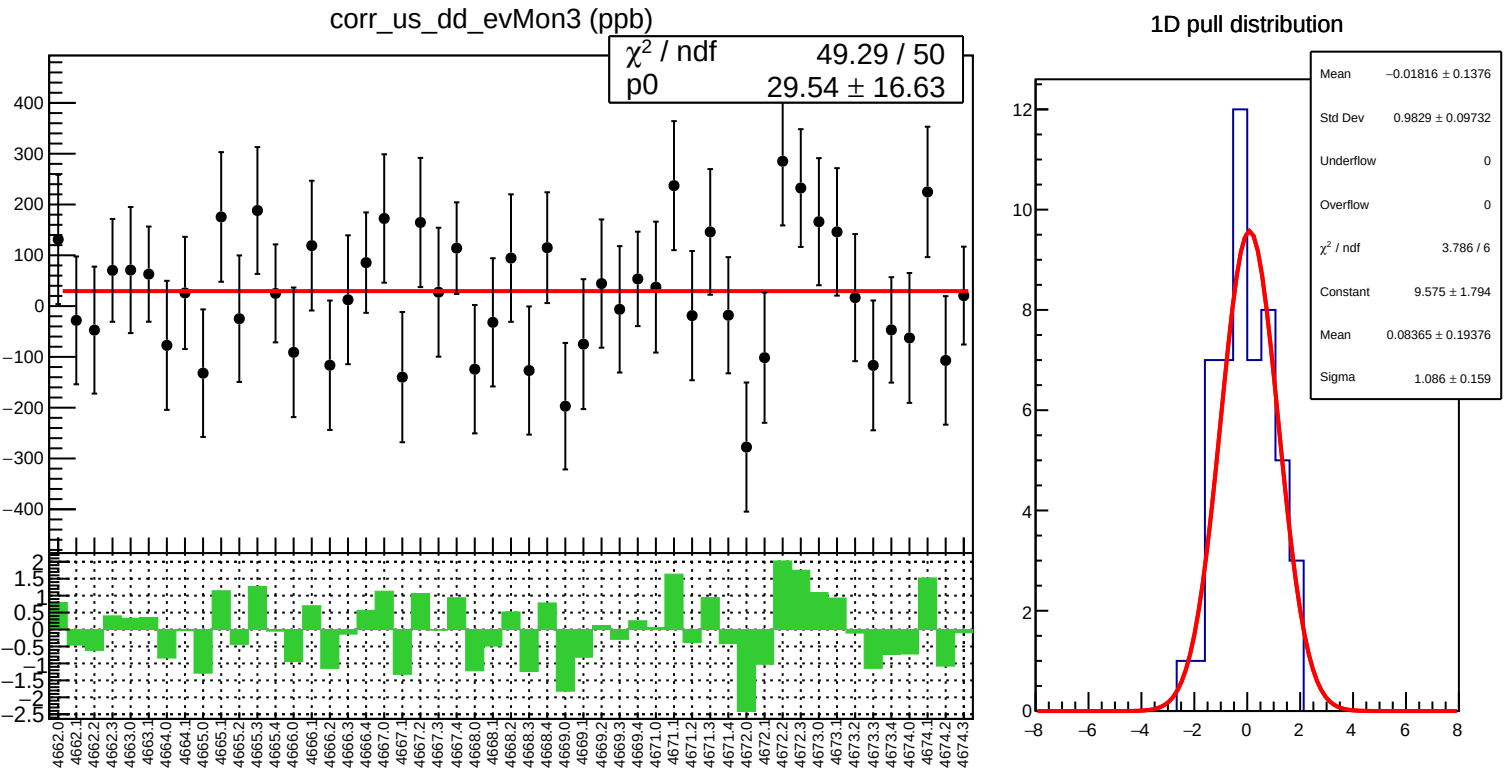

corr_us_dd_evMon1 (ppb)
χ² / ndf 0.3708 / 50
p0 −30.88 ± 112
1000
500
0
−500
−1000
0.2
0.1
0
−0.1
−0.2
−0.3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
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

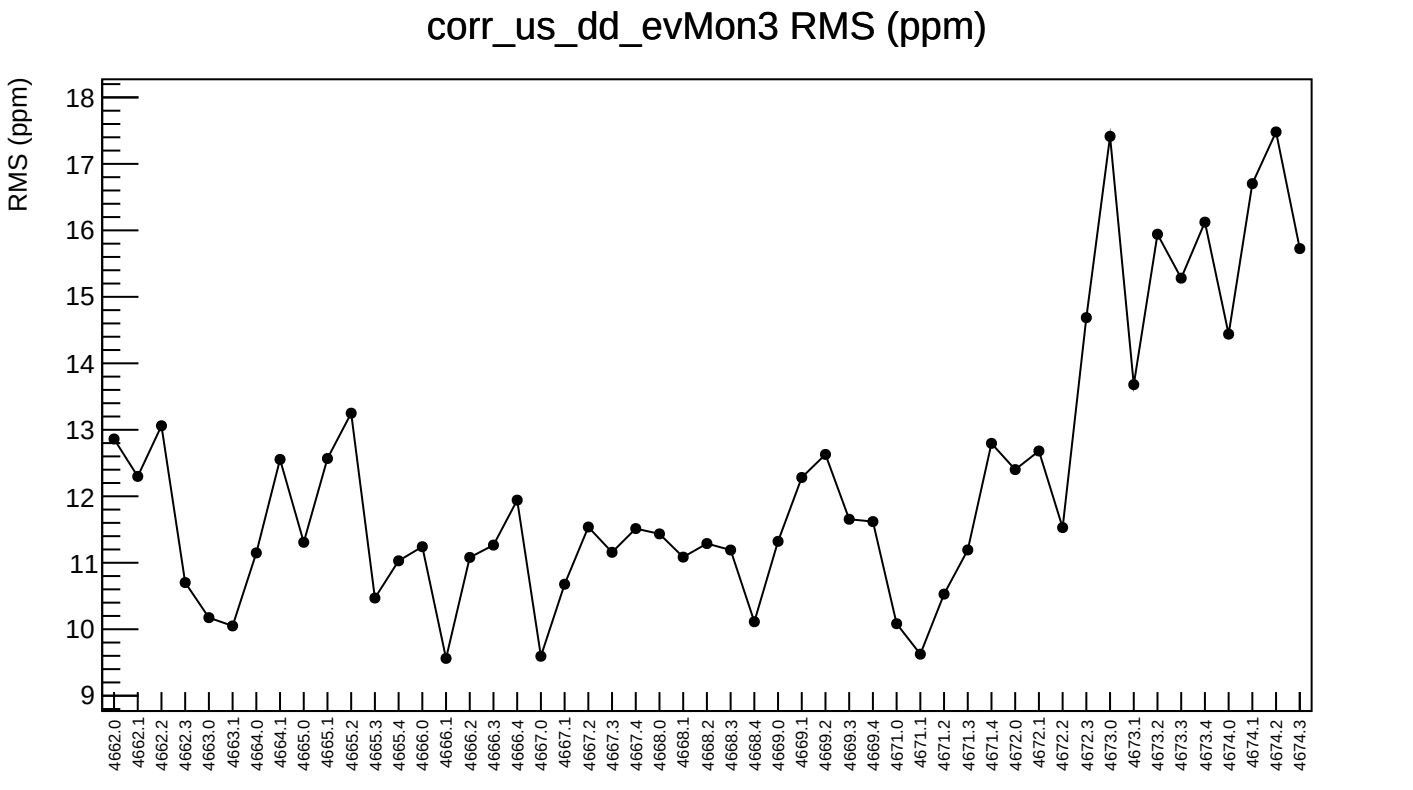

1D pull distribution
Mean −0.0004008 ± 0.01194
Std Dev 0.08527 ± 0.008443
Underflow 0
Overflow 0
χ² / ndf 3.01e−10 / 0
Constant 39.35 ± 82.37
Mean 0.0426 ± 0.2156
Sigma 0.2868 ± 0.6262
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

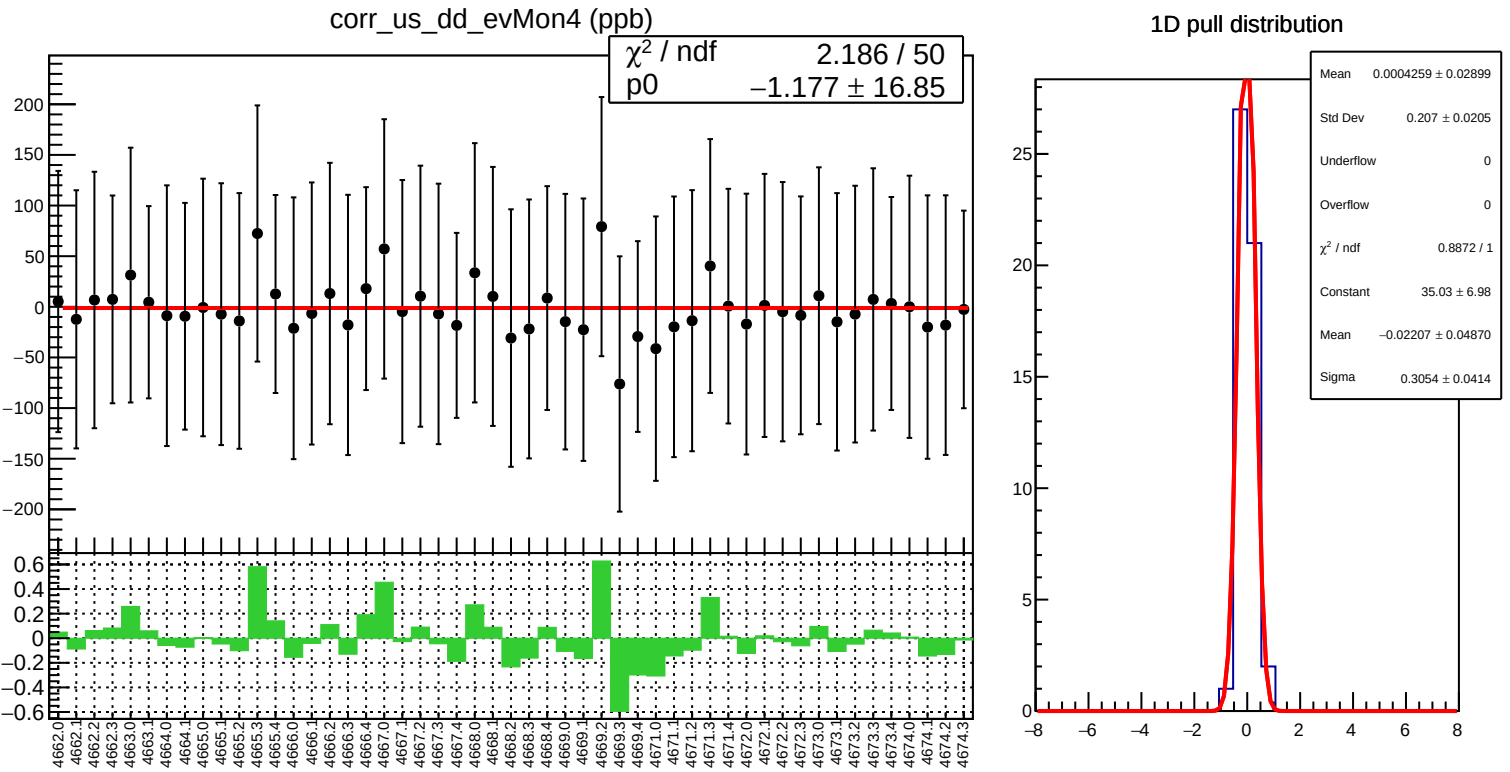

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

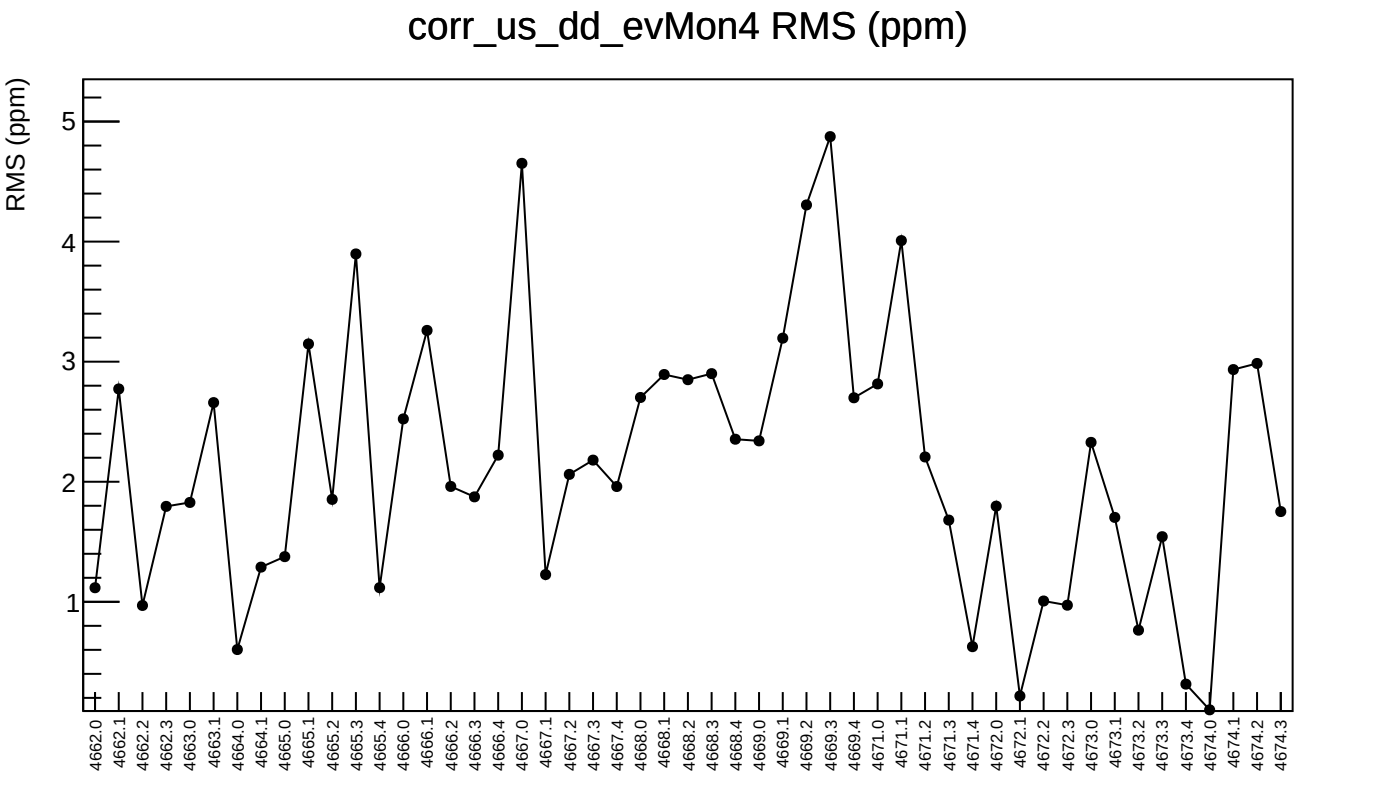

corr_us_dd_evMon2 (ppb)
χ² / ndf 109.8 / 50
p0 −85.64 ± 50.83
1D pull distribution
Mean −0.003015 ± 0.2054
Std Dev 1.467 ± 0.1453
Underflow 0
Overflow 0
χ² / ndf 4.234 / 10
Constant 6.727 ± 1.380
Mean −0.03588 ± 0.27944
Sigma 1.63 ± 0.31

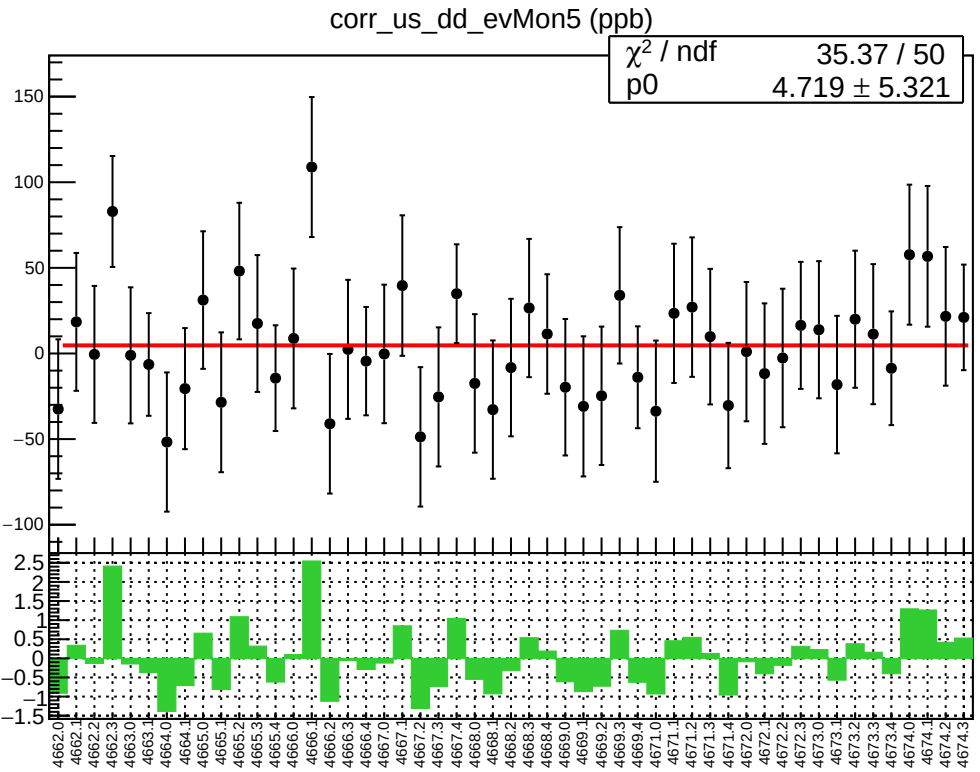

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
70
65
60
55
50
45
40
35
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

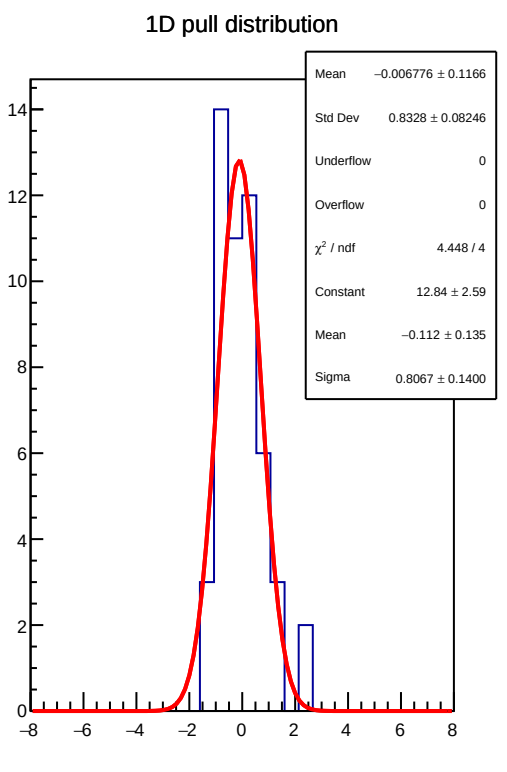

corr_us_dd_evMon3 (ppb)
χ² / ndf 49.29 / 50
p0 29.54 ± 16.63
1D pull distribution
Mean −0.01816 ± 0.1376
Std Dev 0.9829 ± 0.09732
Underflow 0
Overflow 0
χ² / ndf 3.786 / 6
Constant 9.575 ± 1.794
Mean 0.08365 ± 0.19376
Sigma 1.086 ± 0.159

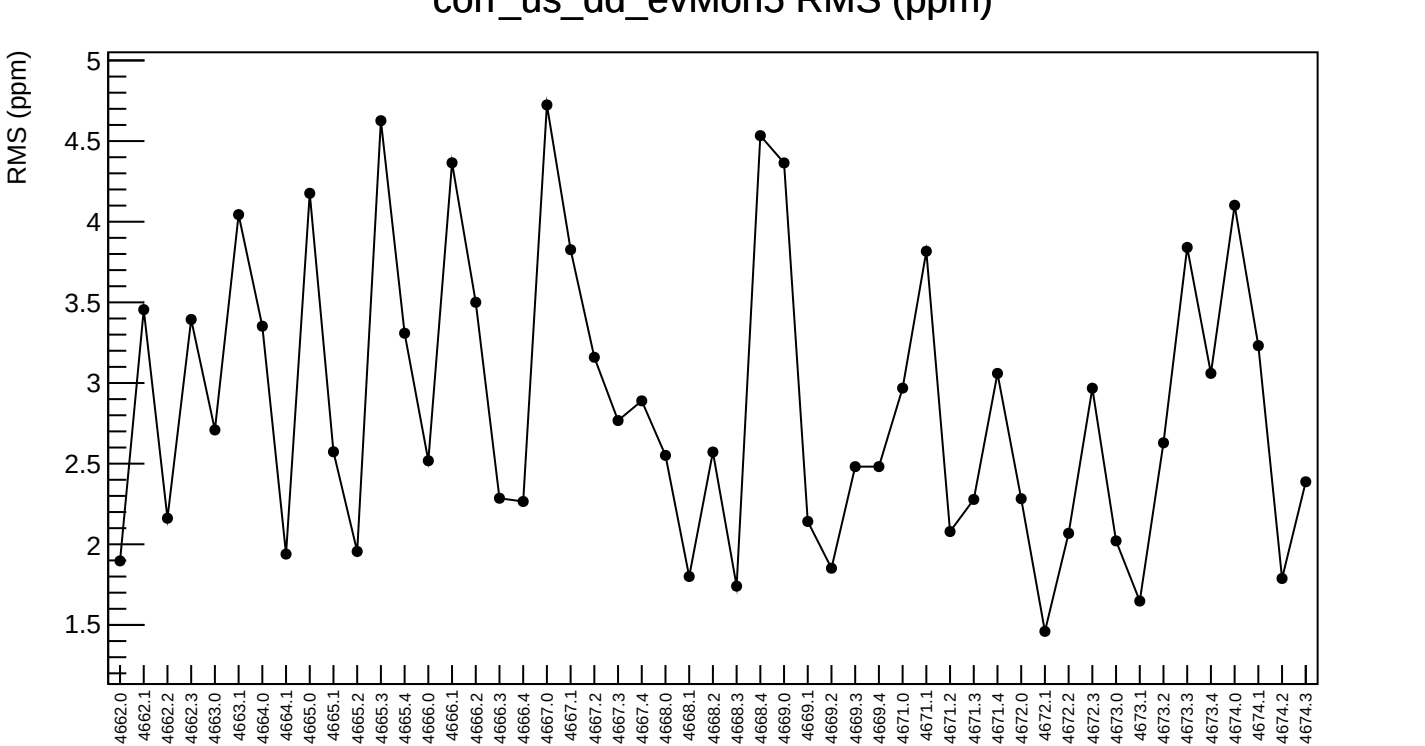

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
18
17
16
15
14
13
12
11
10
9
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

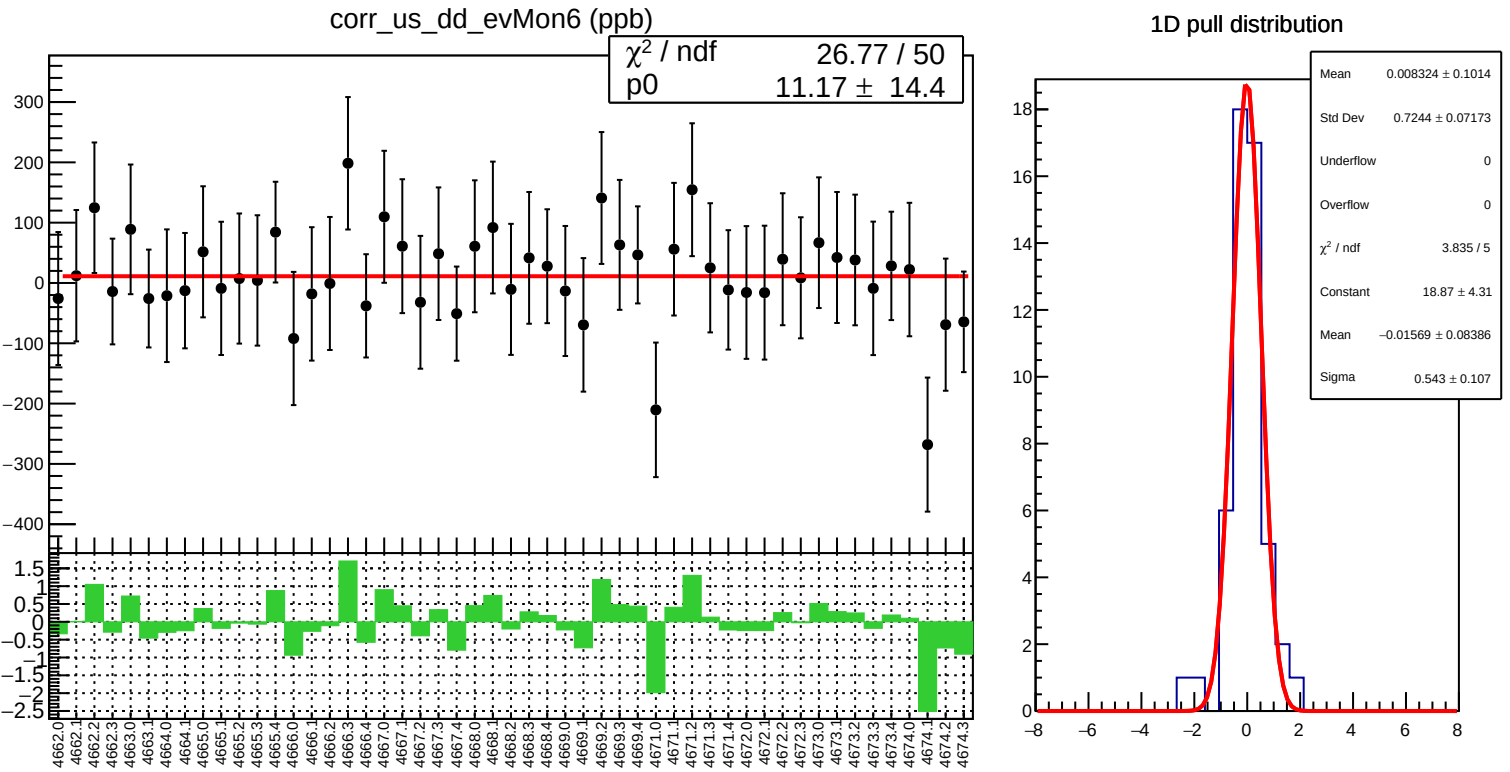

corr_us_dd_evMon4 (ppb)
χ² / ndf 2.186 / 50
p0 −1.177 ± 16.85
1D pull distribution
Mean 0.0004259 ± 0.02899
Std Dev 0.207 ± 0.0205
Underflow 0
Overflow 0
χ² / ndf 0.8872 / 1
Constant 35.03 ± 6.98
Mean −0.02207 ± 0.04870
Sigma 0.3054 ± 0.0414

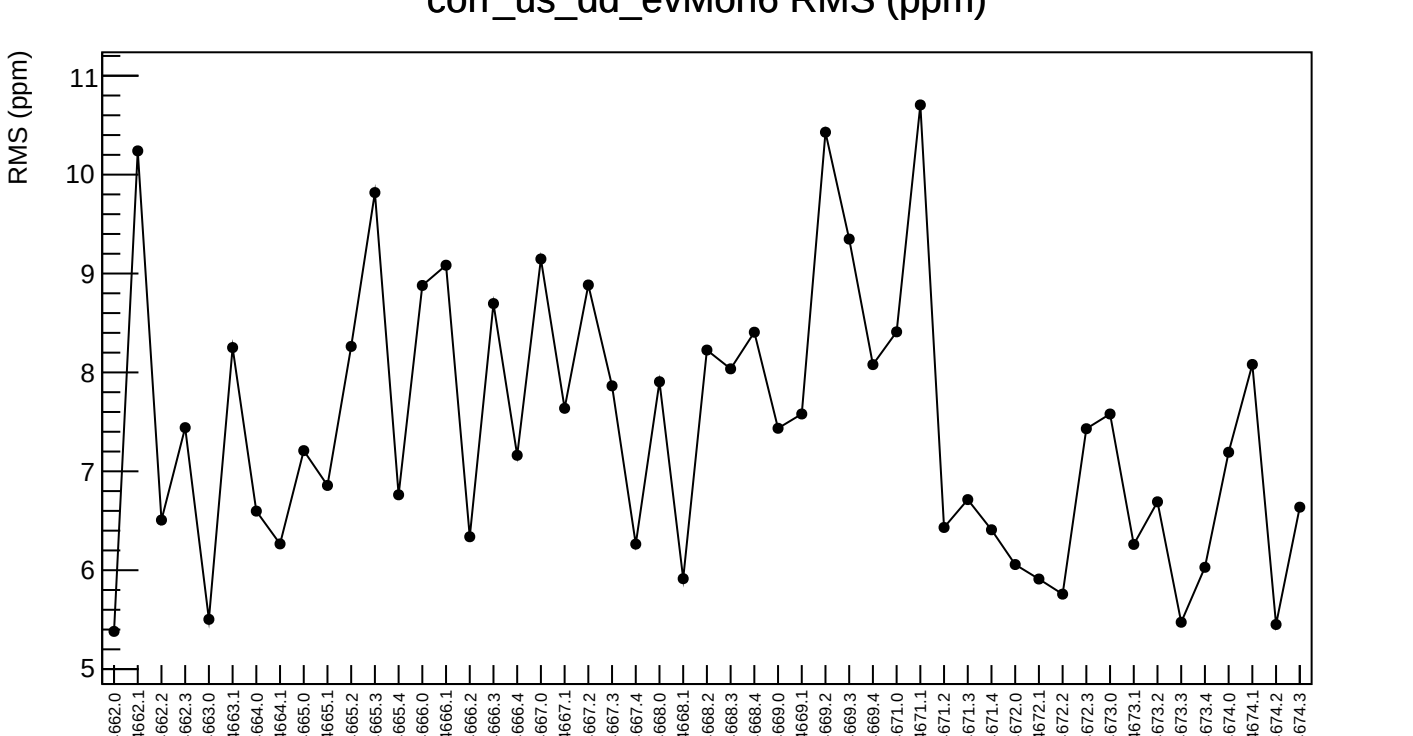

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

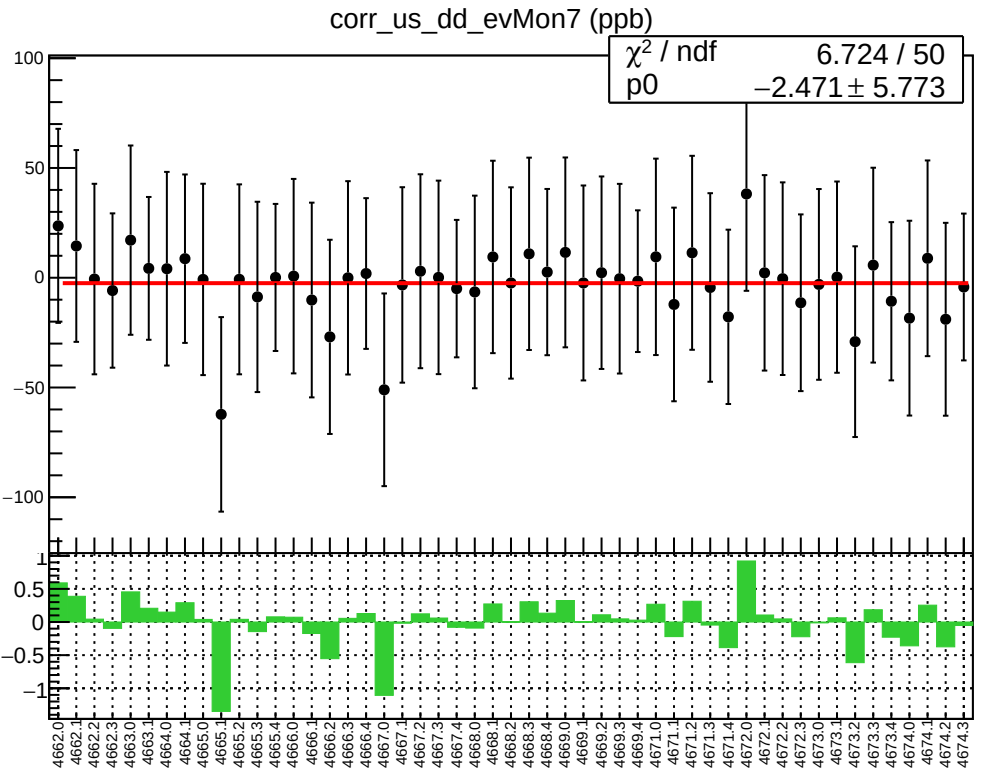

corr_us_dd_evMon5 (ppb)
χ² / ndf 35.37 / 50
p0 4.719 ± 5.321

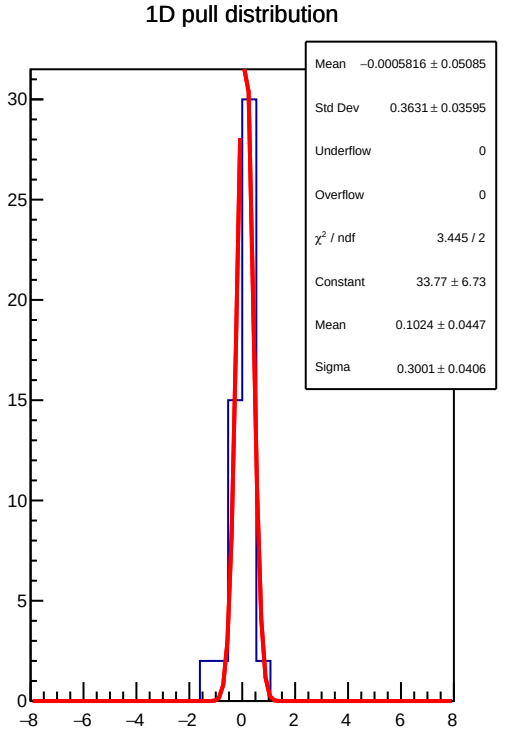

1D pull distribution
Mean −0.006776 ± 0.1166
Std Dev 0.8328 ± 0.08246
Underflow 0
Overflow 0
χ² / ndf 4.448 / 4
Constant 12.84 ± 2.59
Mean −0.112 ± 0.135
Sigma 0.8067 ± 0.1400

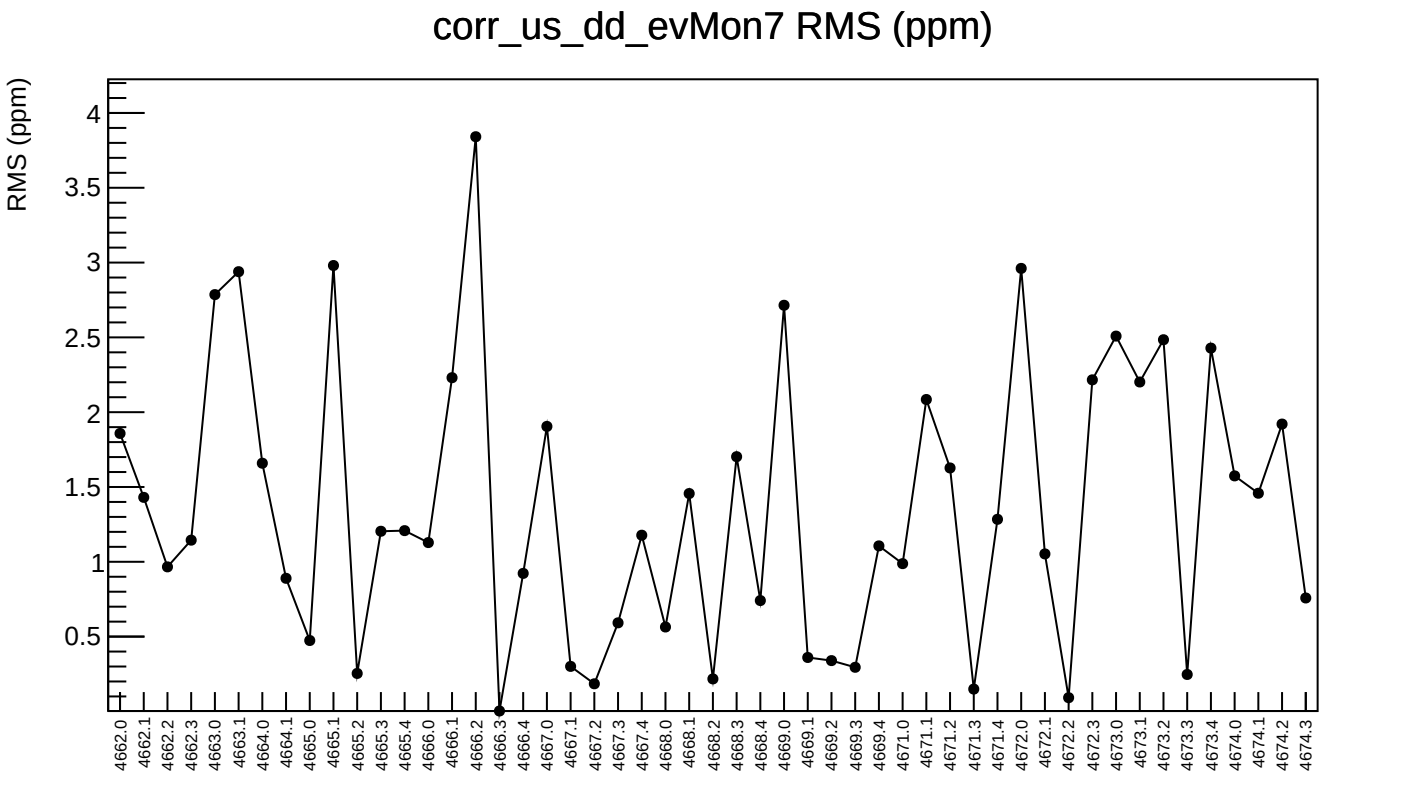

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3
2.5
2
1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

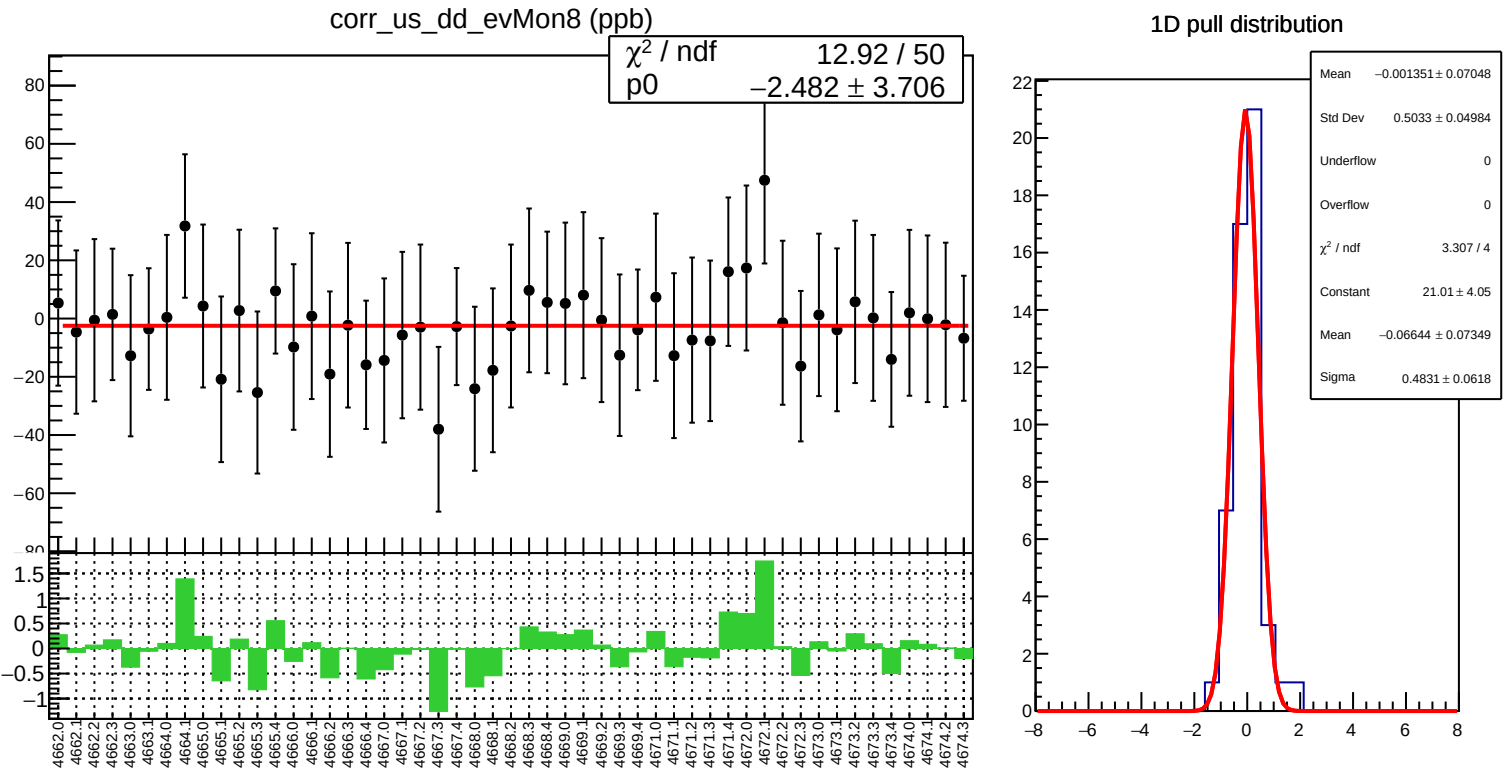

corr_us_dd_evMon6 (ppb)
χ² / ndf 26.77 / 50
p0 11.17 ± 14.4
1D pull distribution
Mean 0.008324 ± 0.1014
Std Dev 0.7244 ± 0.07173
Underflow 0
Overflow 0
χ² / ndf 3.835 / 5
Constant 18.87 ± 4.31
Mean −0.01569 ± 0.08386
Sigma 0.543 ± 0.107

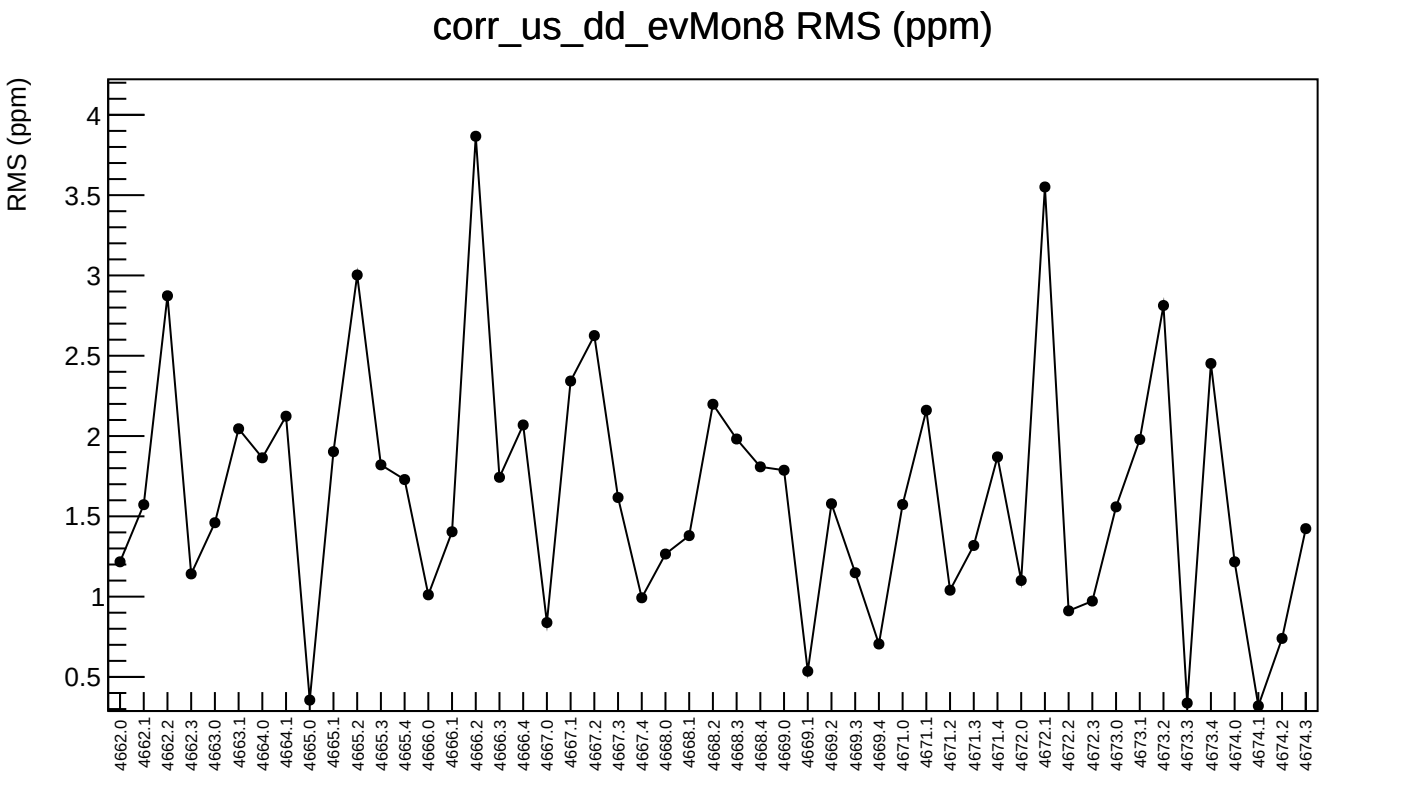

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

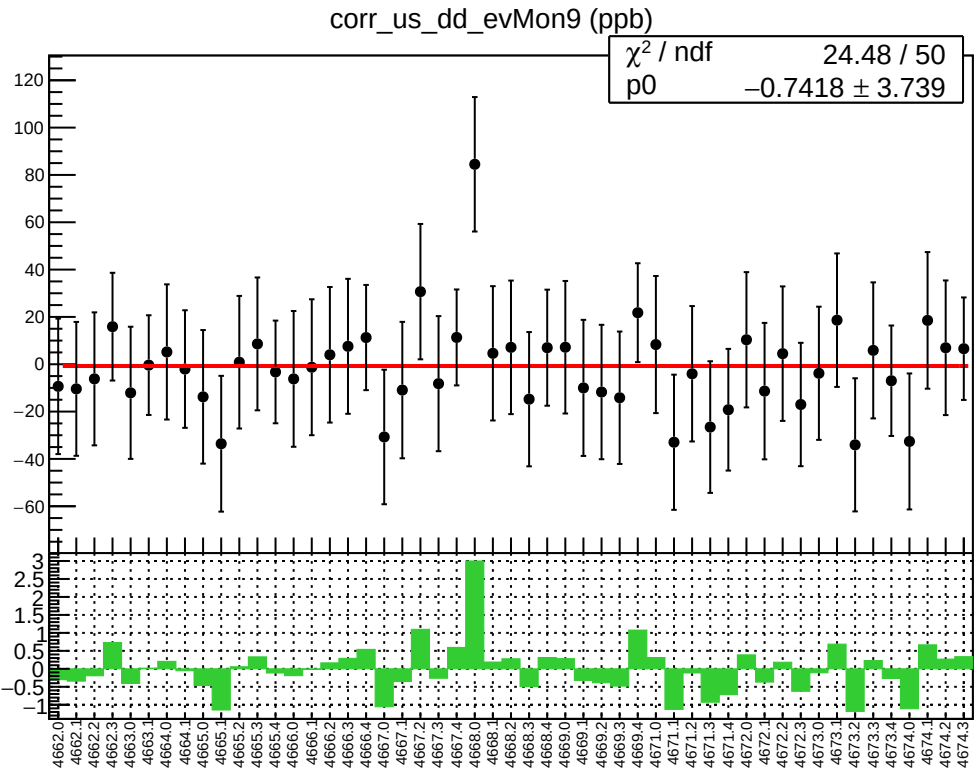

corr_us_dd_evMon7 (ppb)
χ² / ndf 6.724 / 50
p0 −2.471 ± 5.773
100
50
0
−50
−100
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
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

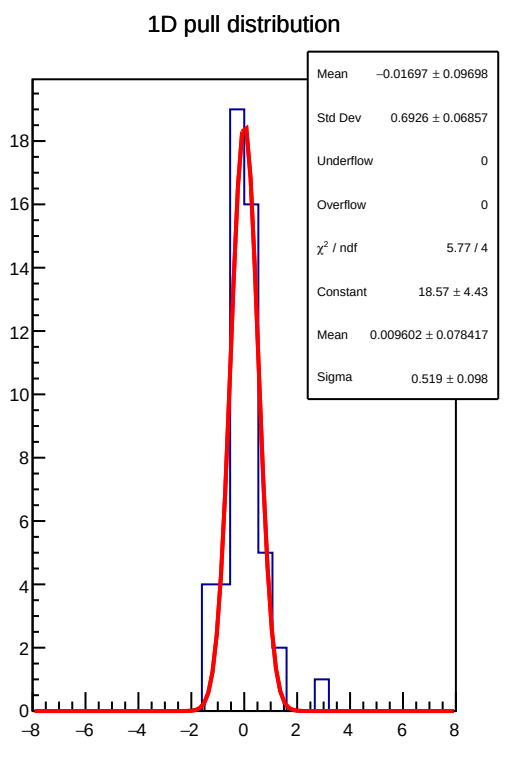

1D pull distribution
Mean −0.0005816 ± 0.05085
Std Dev 0.3631 ± 0.03595
Underflow 0
Overflow 0
χ² / ndf 3.445 / 2
Constant 33.77 ± 6.73
Mean 0.1024 ± 0.0447
Sigma 0.3001 ± 0.0406
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

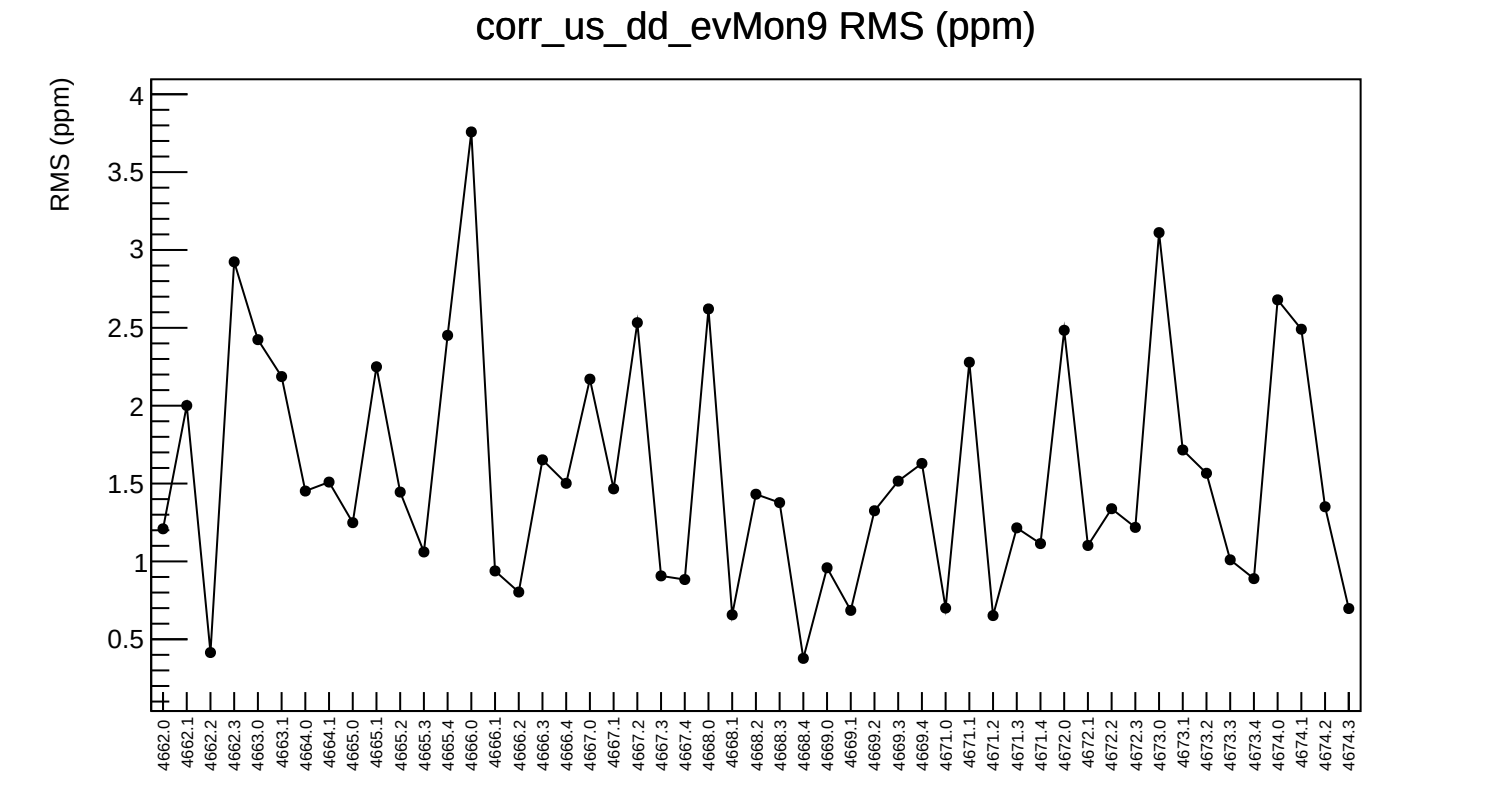

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

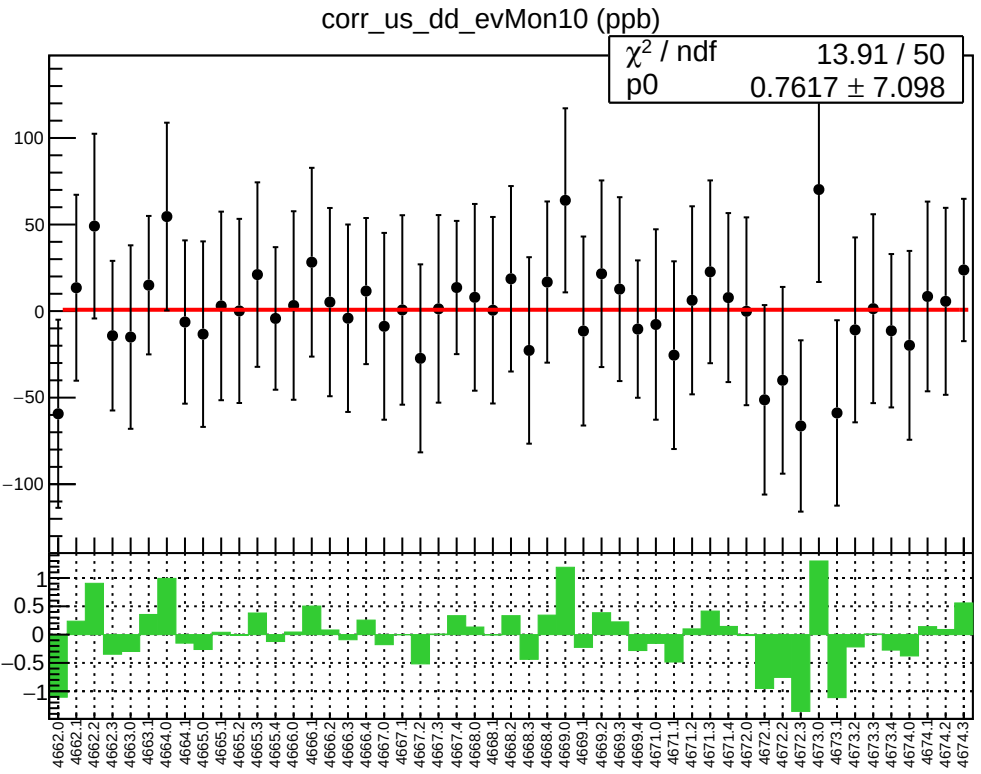

corr_us_dd_evMon8 (ppb)
χ² / ndf 12.92 / 50
p0 −2.482 ± 3.706
1D pull distribution
Mean −0.001351 ± 0.07048
Std Dev 0.5033 ± 0.04984
Underflow 0
Overflow 0
χ² / ndf 3.307 / 4
Constant 21.01 ± 4.05
Mean −0.06644 ± 0.07349
Sigma 0.4831 ± 0.0618

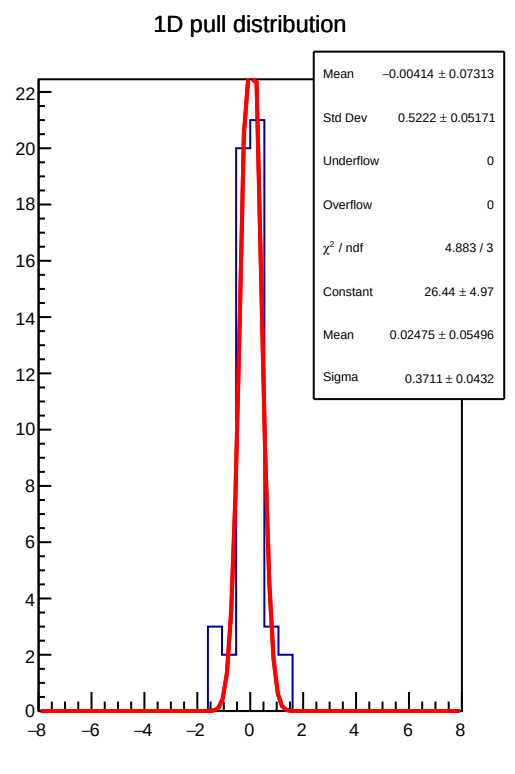

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

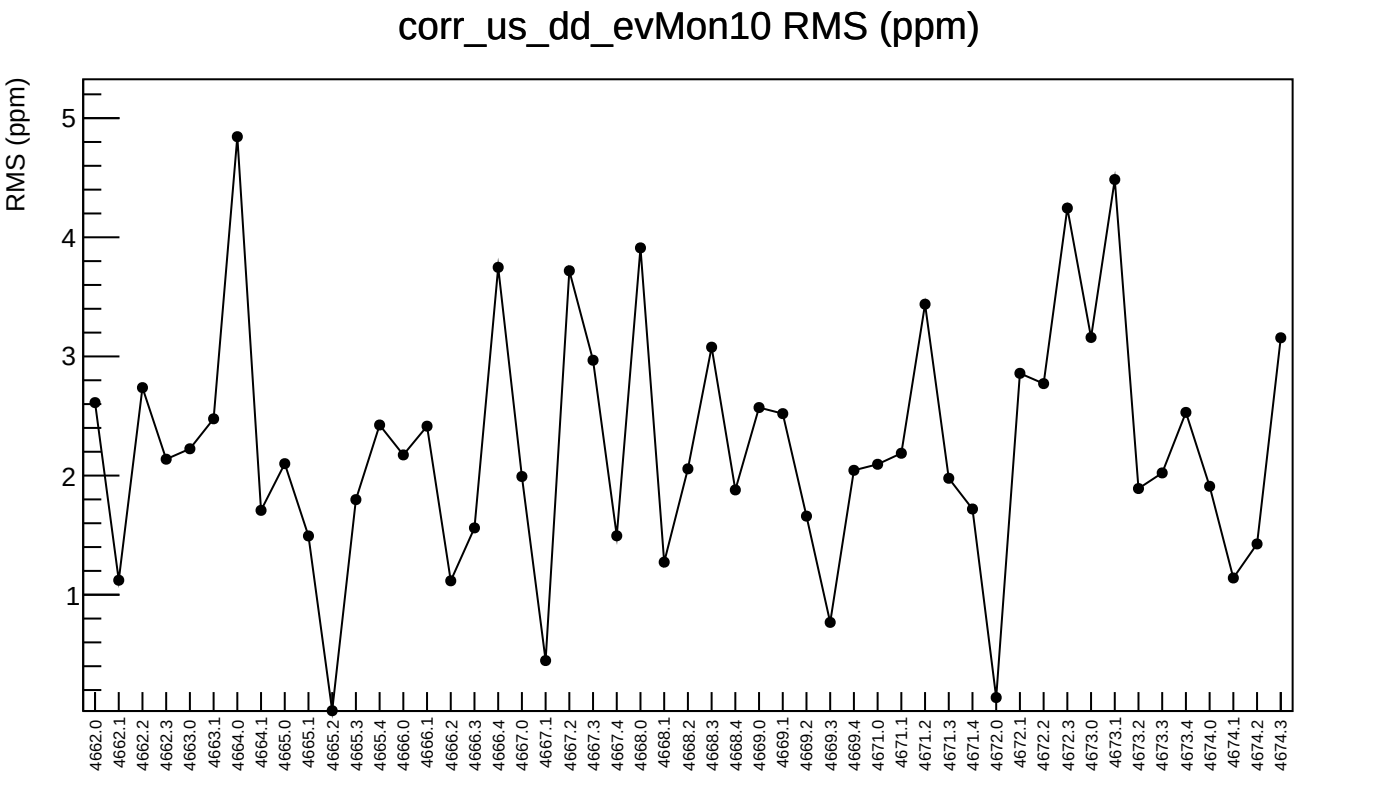

corr_us_dd_evMon9 (ppb)
χ² / ndf 24.48 / 50
p0 −0.7418 ± 3.739

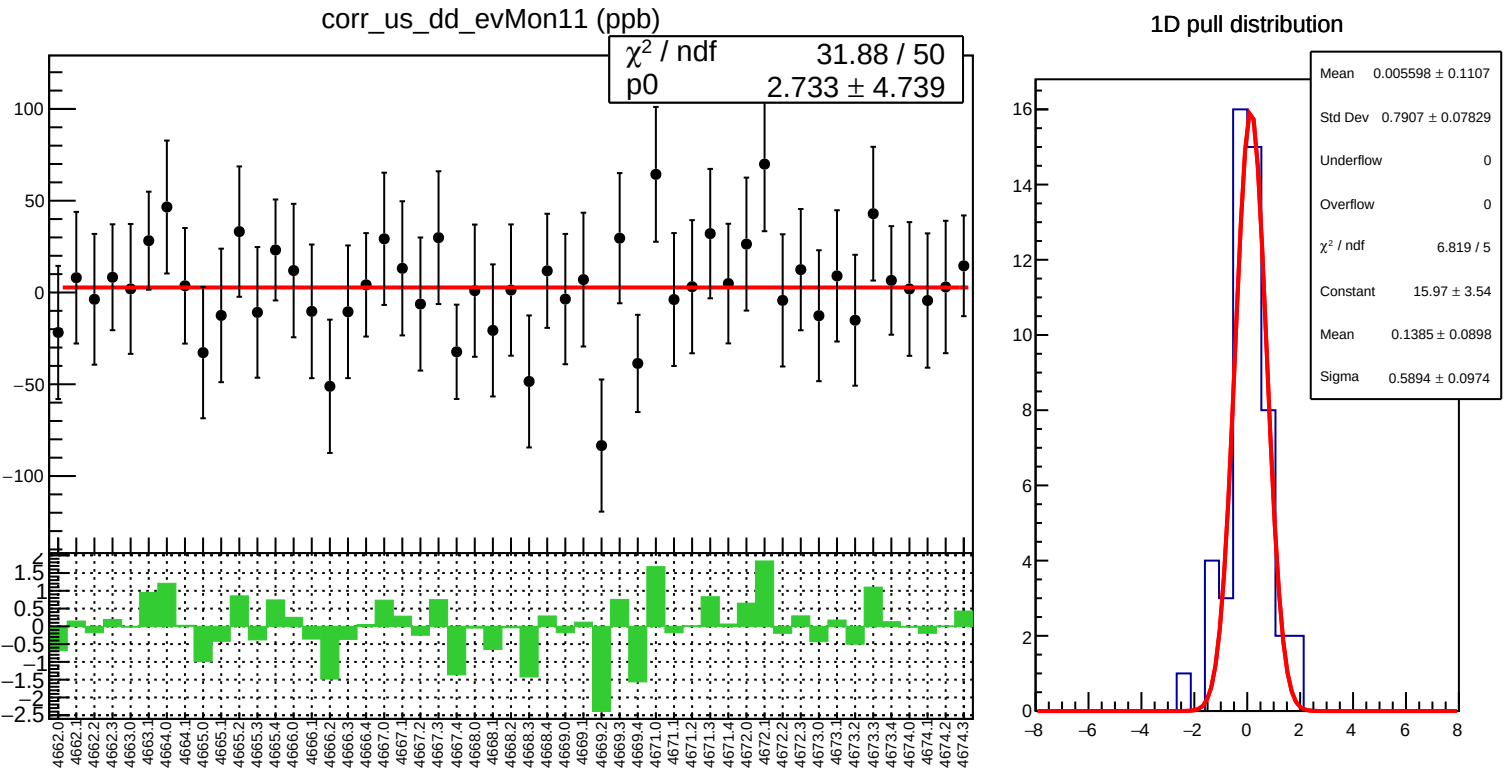

1D pull distribution
Mean −0.01697 ± 0.09698
Std Dev 0.6926 ± 0.06857
Underflow 0
Overflow 0
χ² / ndf 5.77 / 4
Constant 18.57 ± 4.43
Mean 0.009602 ± 0.078417
Sigma 0.519 ± 0.098

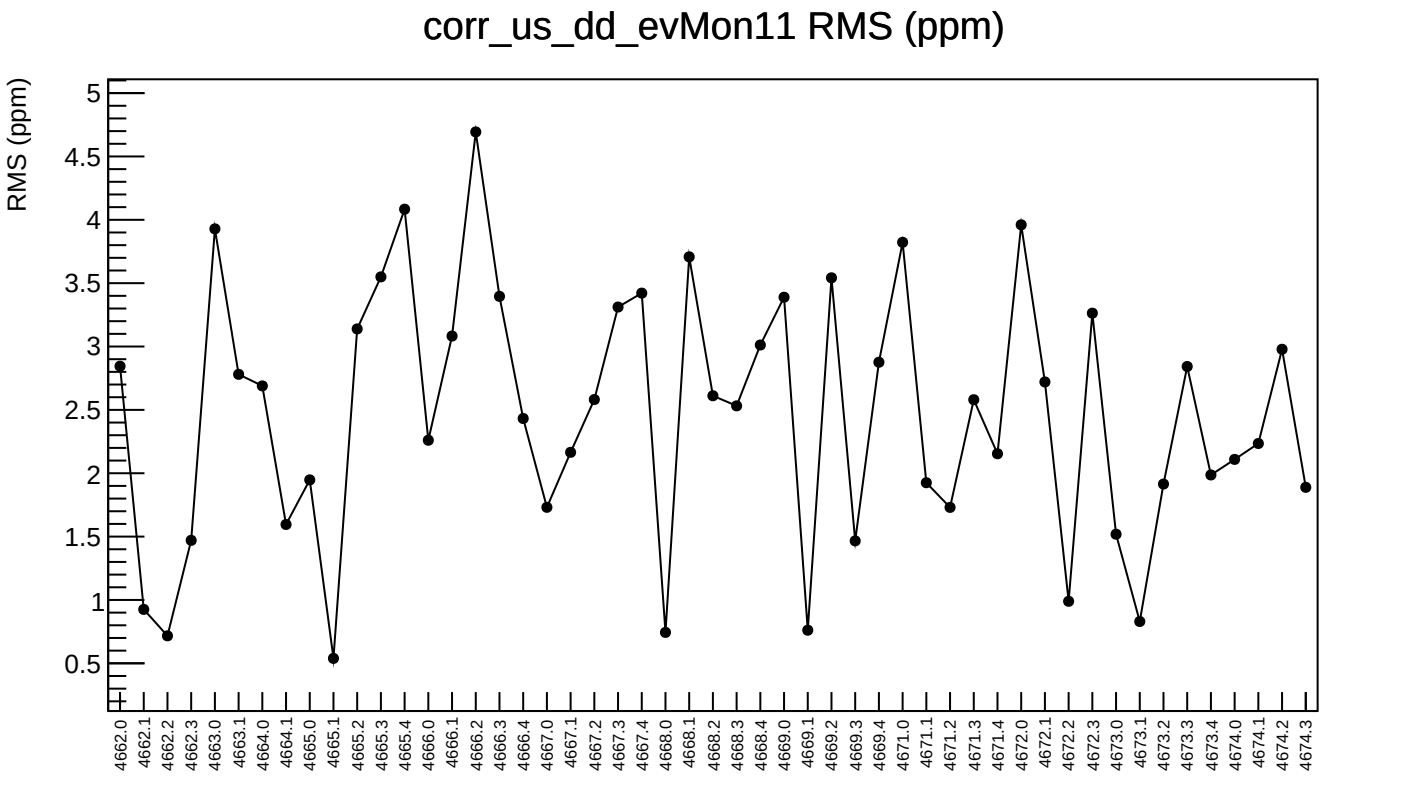

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

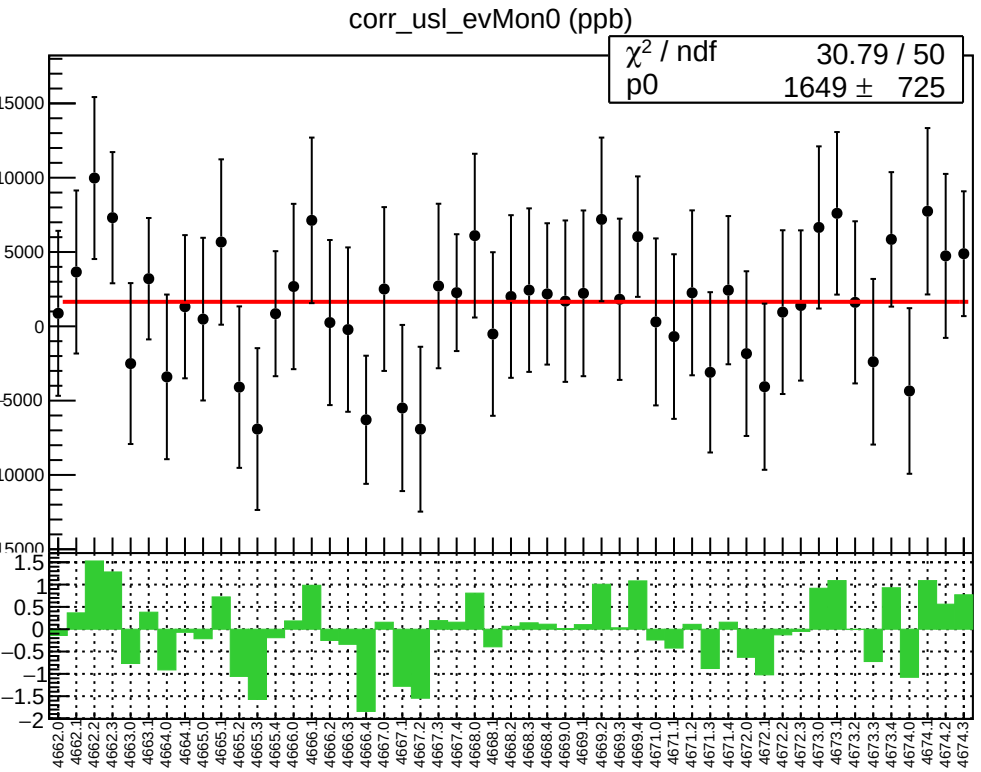

corr_us_dd_evMon10 (ppb)
χ² / ndf 13.91 / 50
p0 0.7617 ± 7.098
100
50
0
−50
−100
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
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

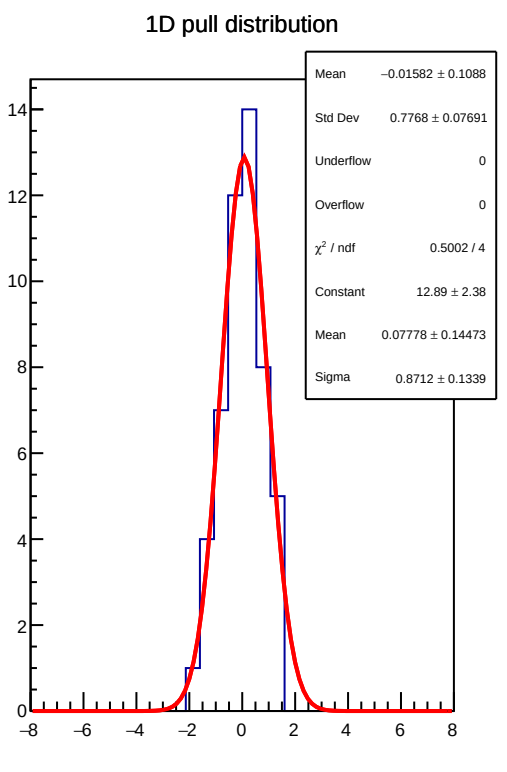

1D pull distribution
Mean −0.00414 ± 0.07313
Std Dev 0.5222 ± 0.05171
Underflow 0
Overflow 0
χ² / ndf 4.883 / 3
Constant 26.44 ± 4.97
Mean 0.02475 ± 0.05496
Sigma 0.3711 ± 0.0432
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

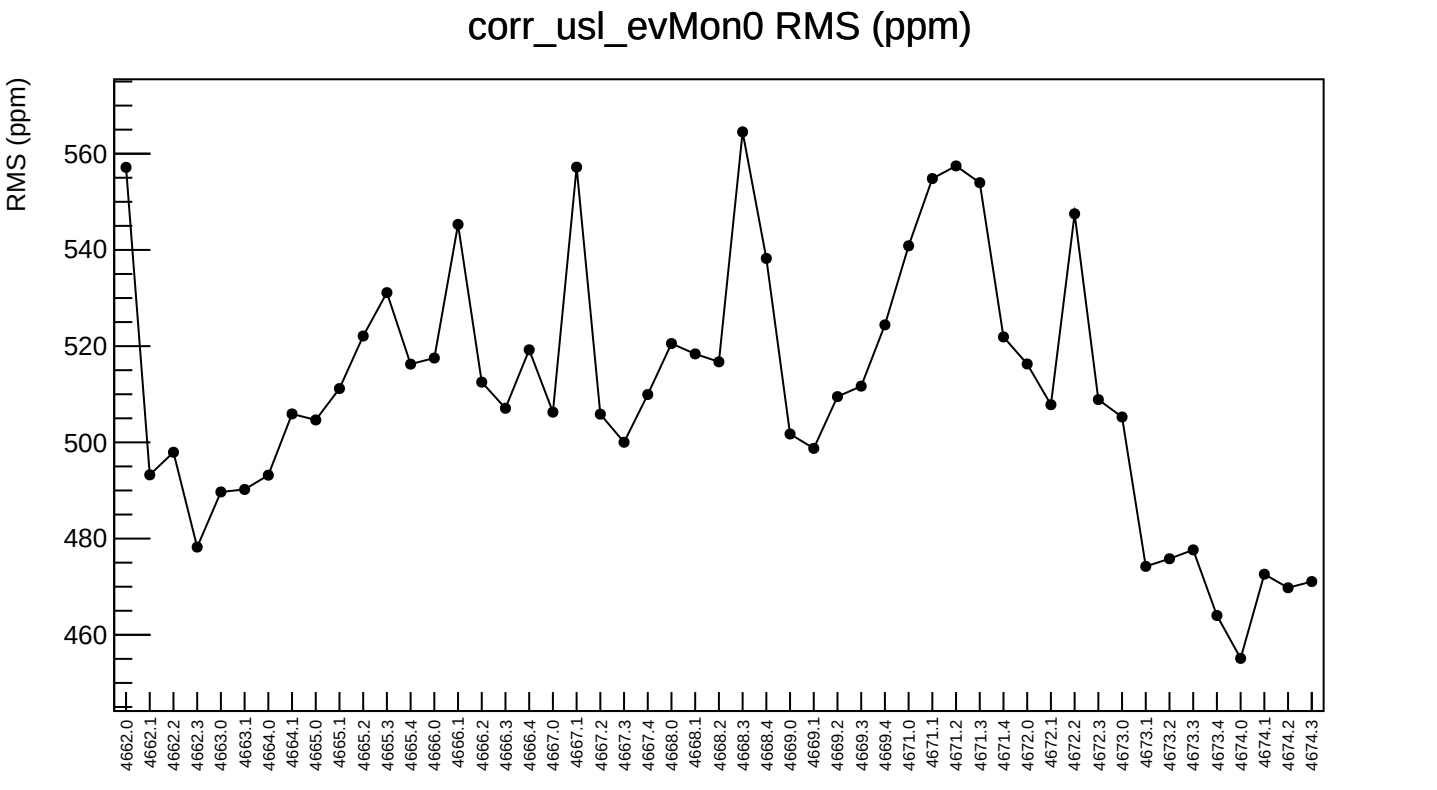

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

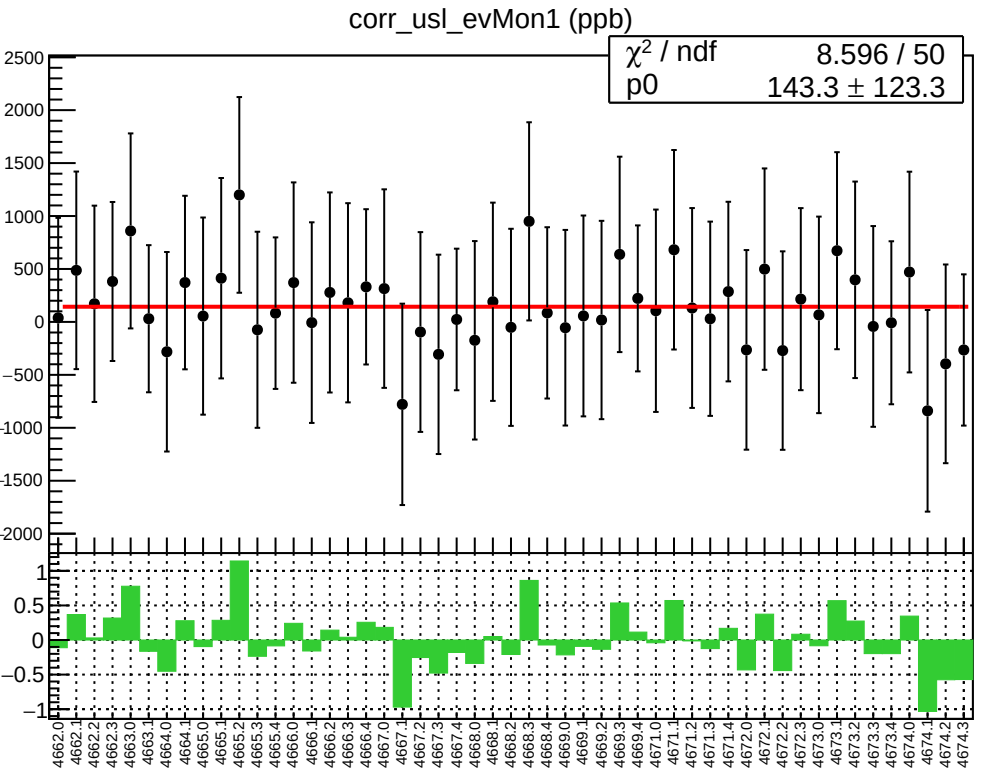

corr_us_dd_evMon11 (ppb)
χ² / ndf 31.88 / 50
p0 2.733 ± 4.739
1D pull distribution
Mean 0.005598 ± 0.1107
Std Dev 0.7907 ± 0.07829
Underflow 0
Overflow 0
χ² / ndf 6.819 / 5
Constant 15.97 ± 3.54
Mean 0.1385 ± 0.0898
Sigma 0.5894 ± 0.0974

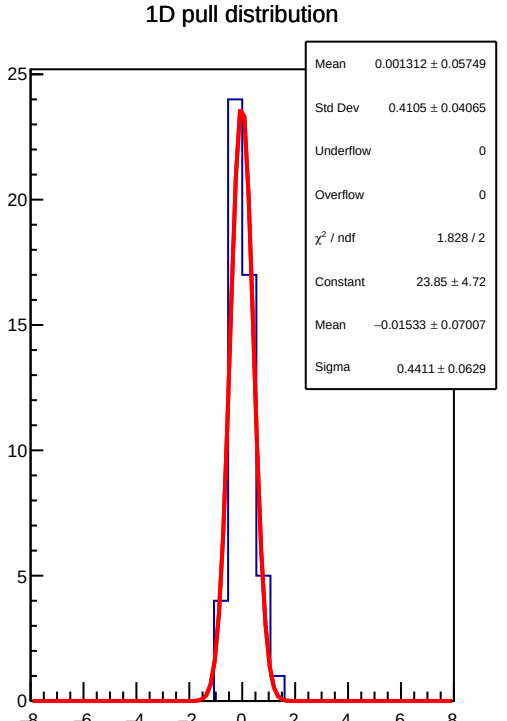

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

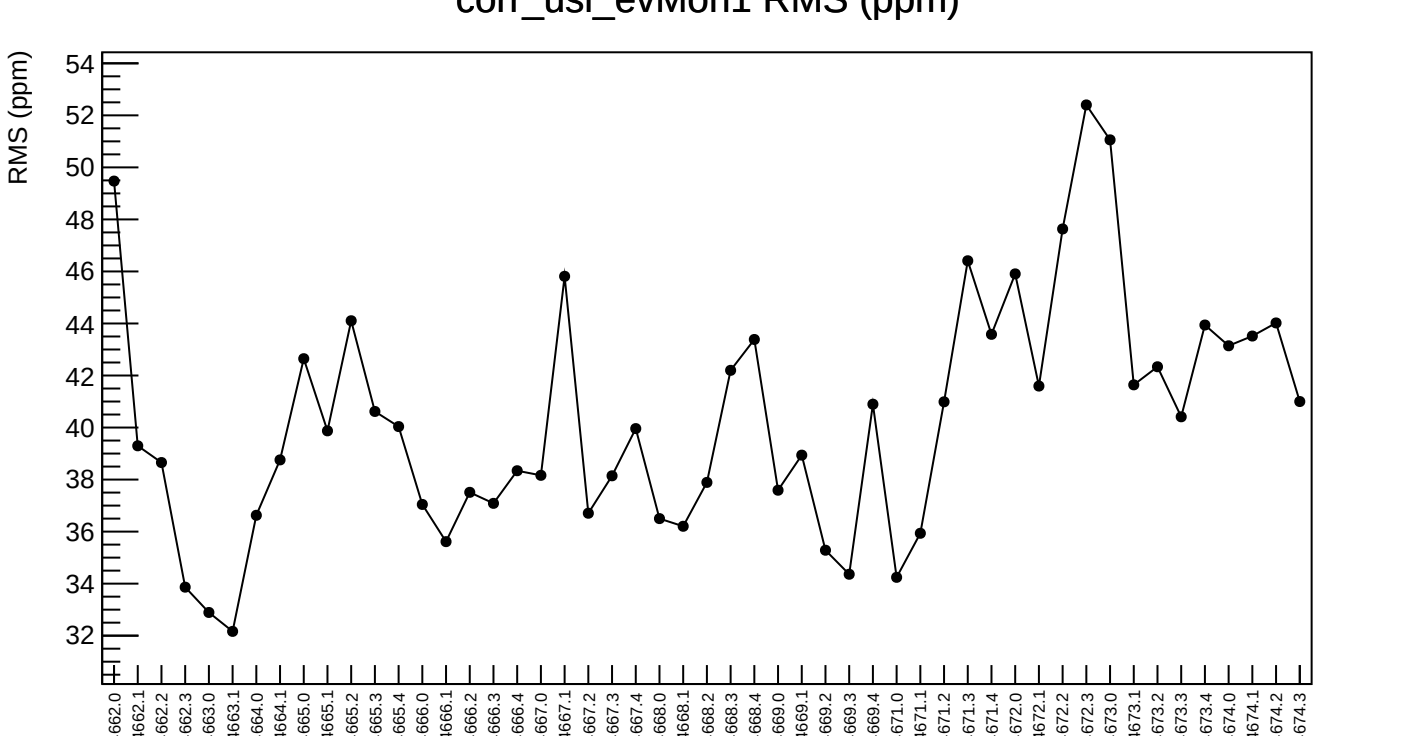

corr_usl_evMon0 (ppb)
χ² / ndf 30.79 / 50
p0 1649 ± 725
15000
10000
5000
0
-5000
-10000
-15000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

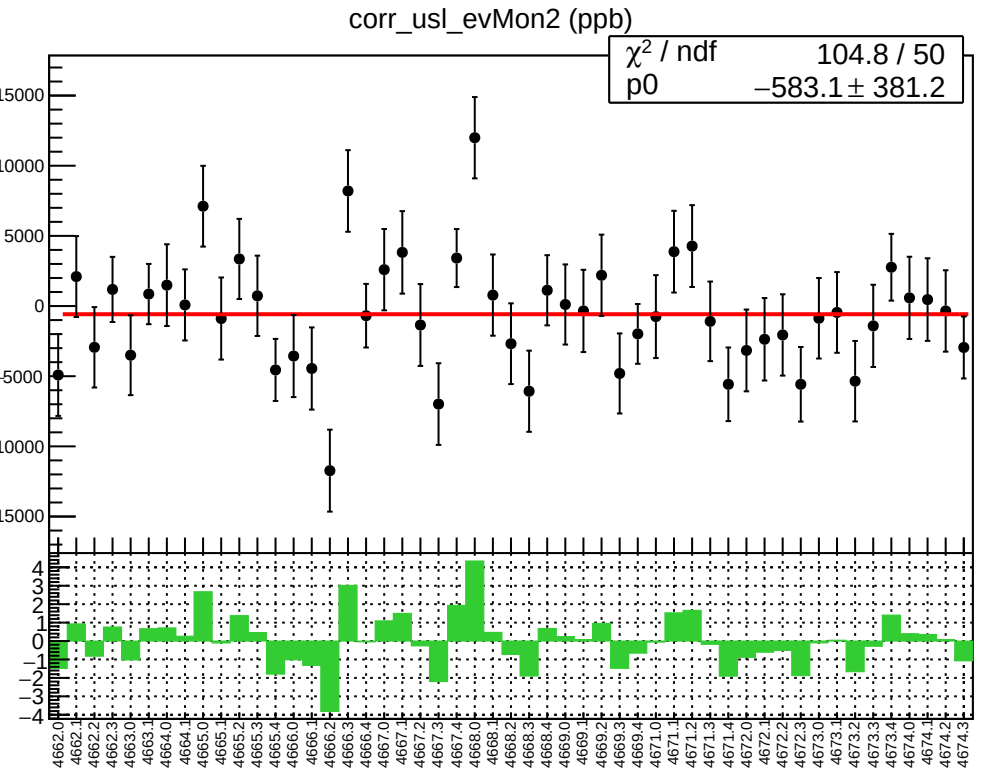

1D pull distribution
Mean −0.01582 ± 0.1088
Std Dev 0.7768 ± 0.07691
Underflow 0
Overflow 0
χ² / ndf 0.5002 / 4
Constant 12.89 ± 2.38
Mean 0.07778 ± 0.14473
Sigma 0.8712 ± 0.1339
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

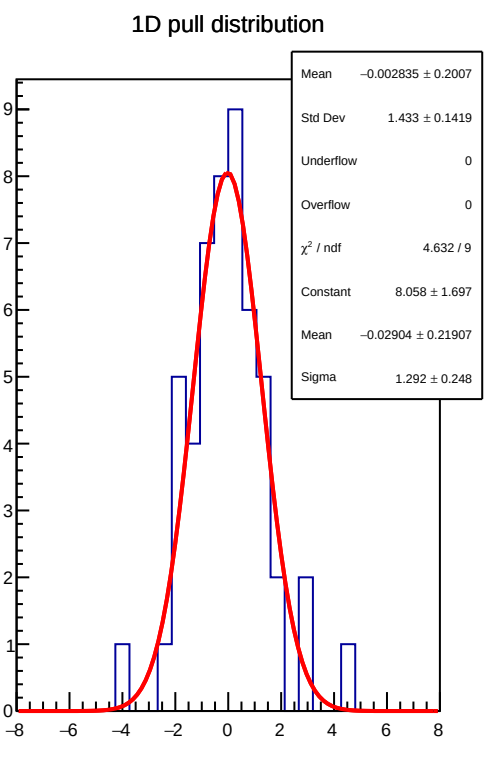

corr_usl_evMon0 RMS (ppm)
RMS (ppm)
560
540
520
500
480
460
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

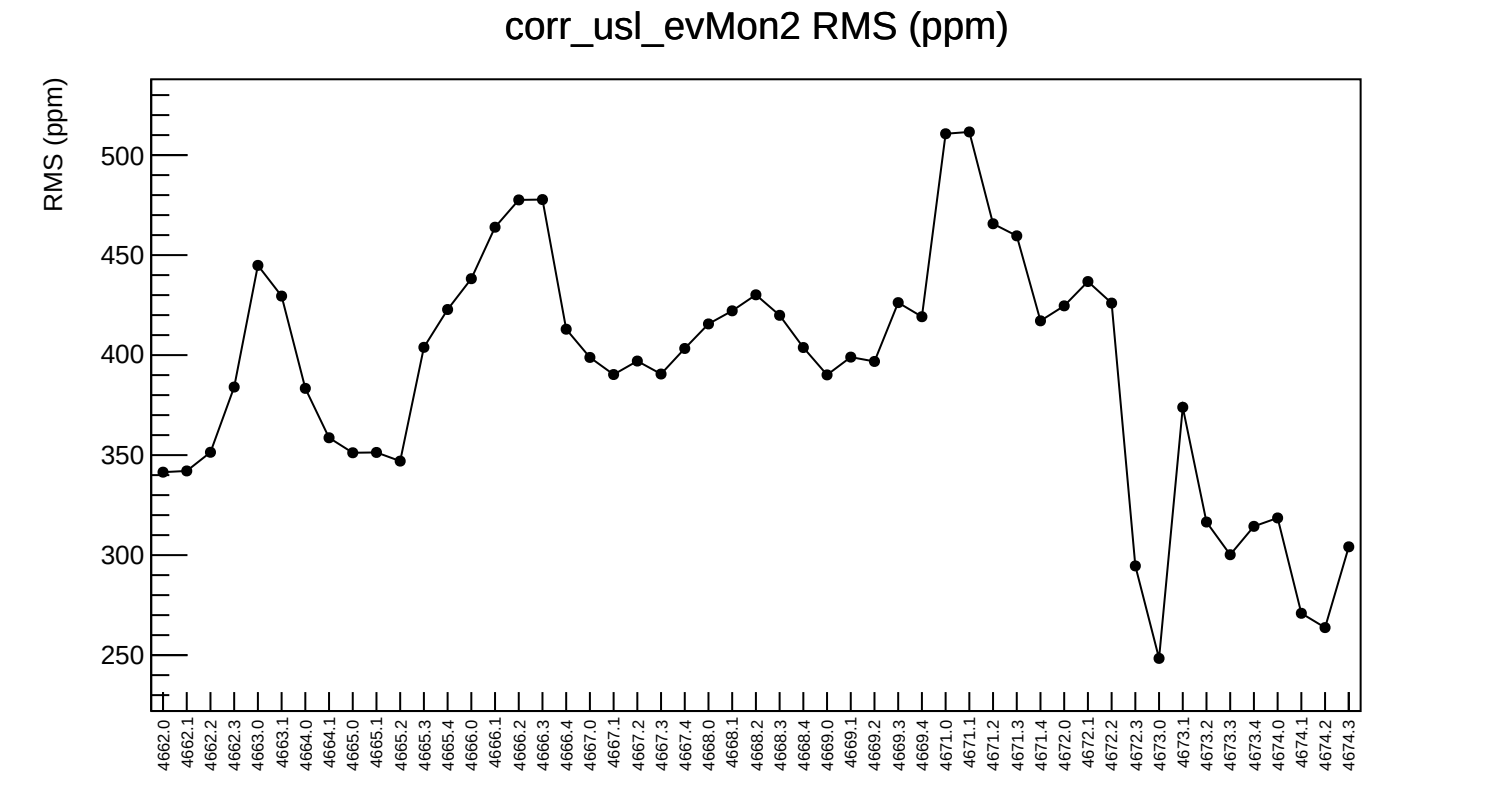

corr_usl_evMon1 (ppb)
χ² / ndf 8.596 / 50
p0 143.3 ± 123.3
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

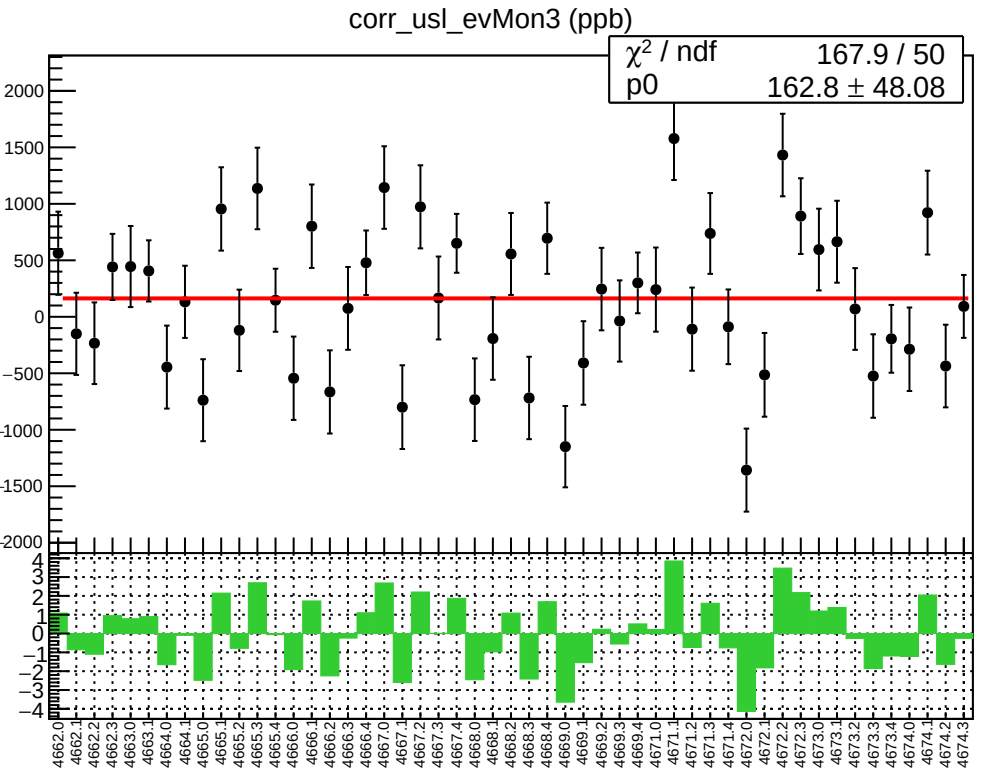

1D pull distribution
Mean 0.001312 ± 0.05749
Std Dev 0.4105 ± 0.04065
Underflow 0
Overflow 0
χ² / ndf 1.828 / 2
Constant 23.85 ± 4.72
Mean −0.01533 ± 0.07007
Sigma 0.4411 ± 0.0629
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

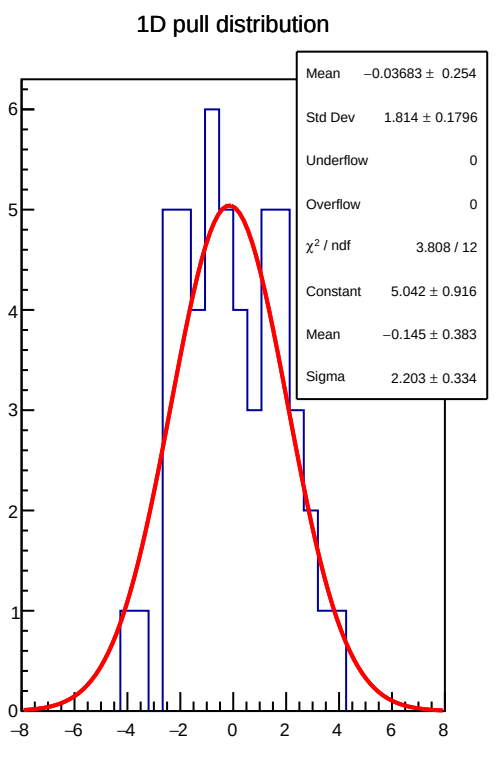

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
54
52
50
48
46
44
42
40
38
36
34
32
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
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

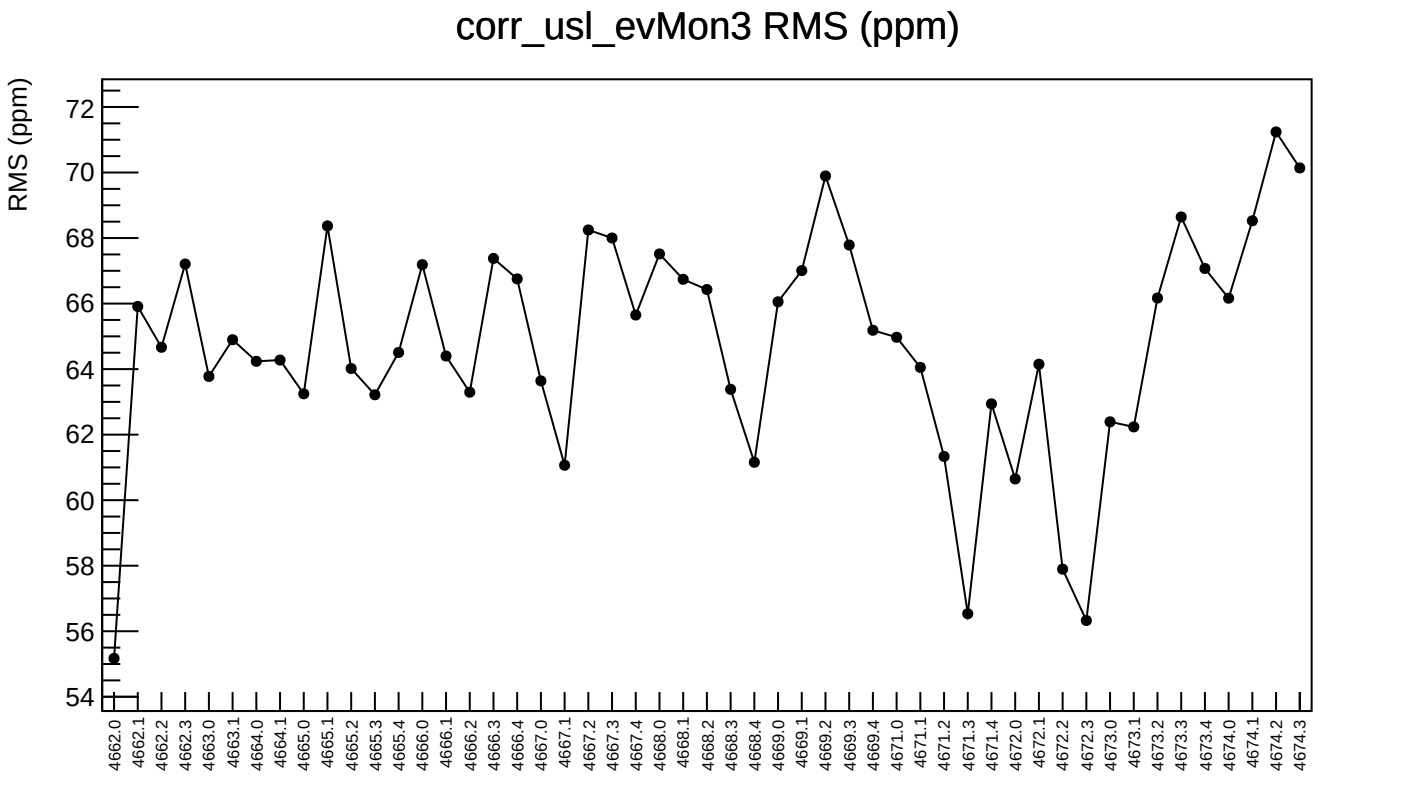

corr_usl_evMon2 (ppb)
χ² / ndf 104.8 / 50
p0 −583.1 ± 381.2
15000
10000
5000
0
−5000
−10000
−15000
4
3
2
1
0
−1
−2
−3
−4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

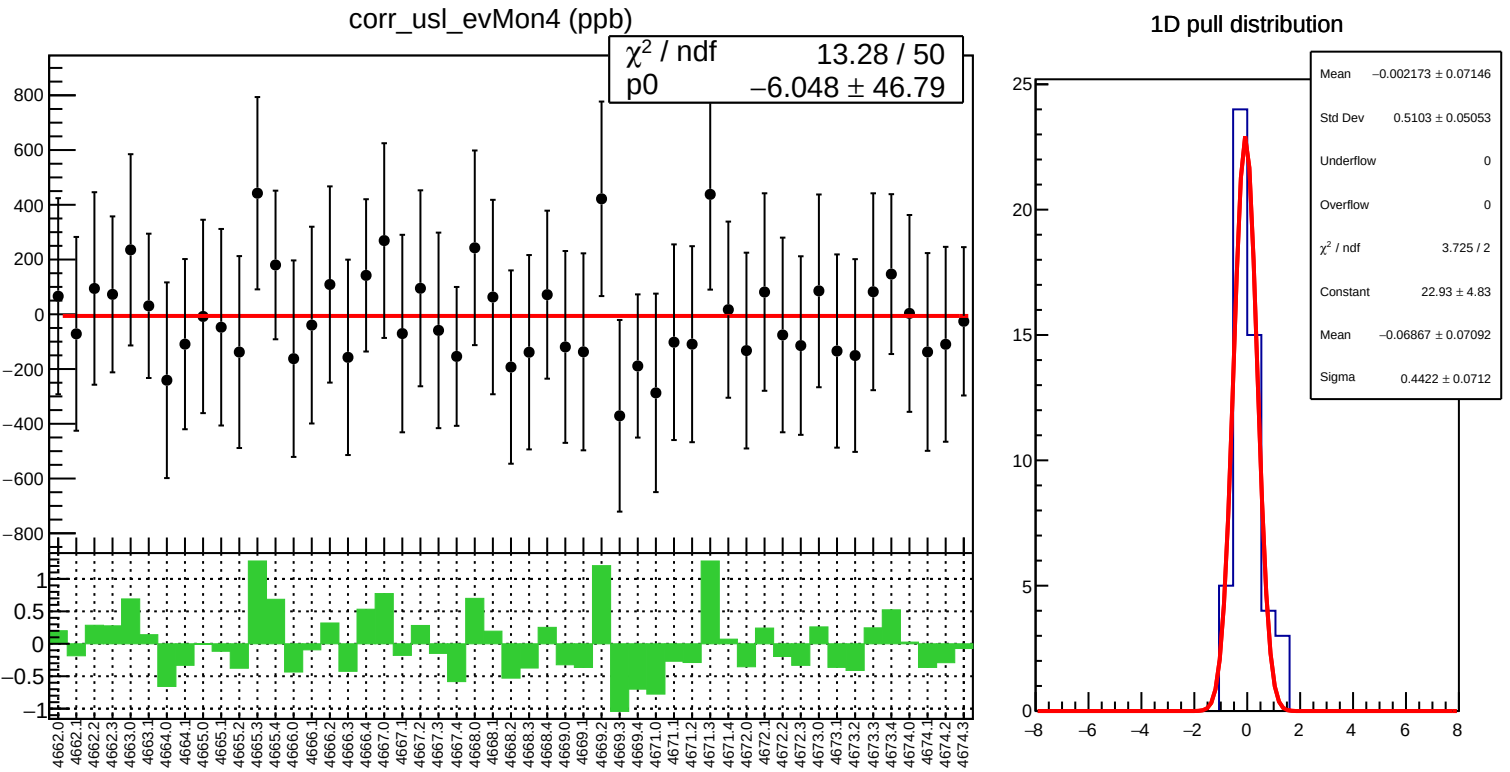

1D pull distribution
Mean −0.002835 ± 0.2007
Std Dev 1.433 ± 0.1419
Underflow 0
Overflow 0
χ² / ndf 4.632 / 9
Constant 8.058 ± 1.697
Mean −0.02904 ± 0.21907
Sigma 1.292 ± 0.248
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

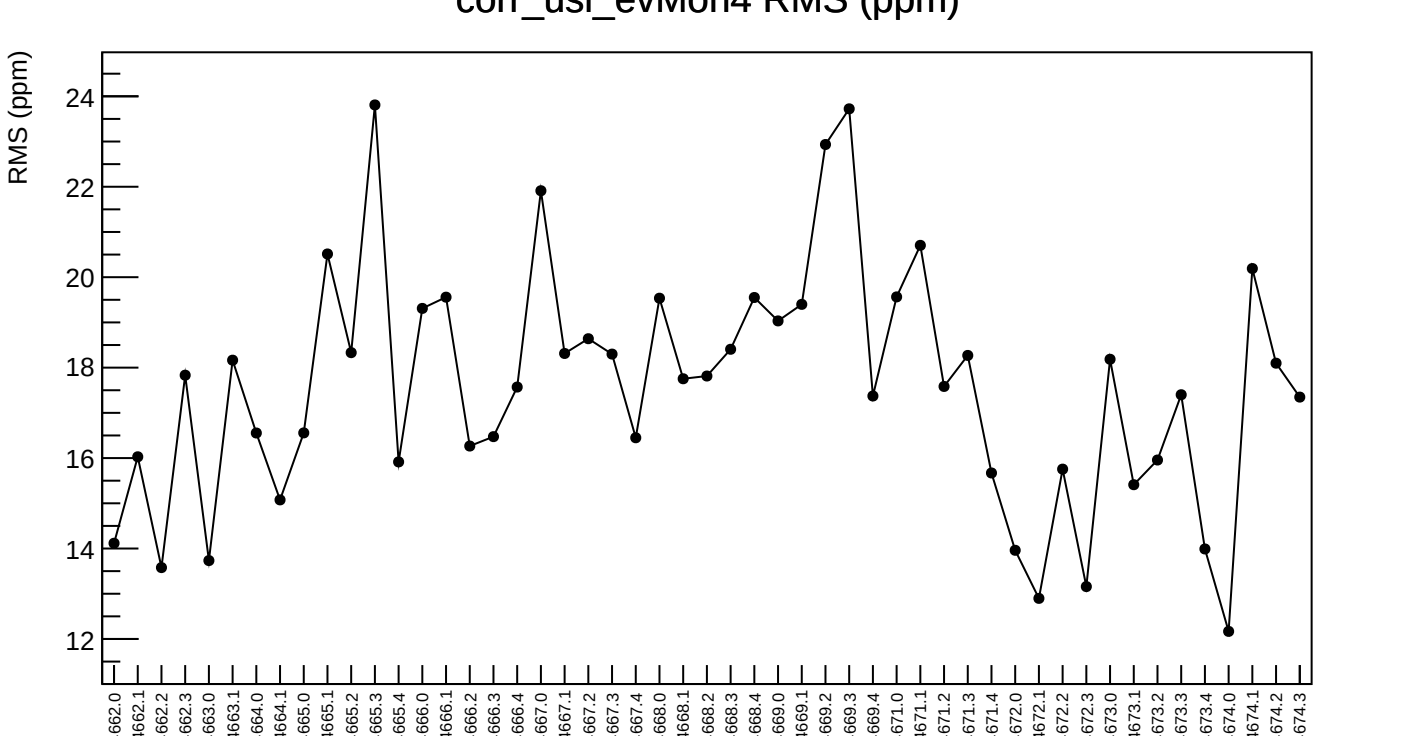

corr_usl_evMon2 RMS (ppm)
RMS (ppm)
500
450
400
350
300
250
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

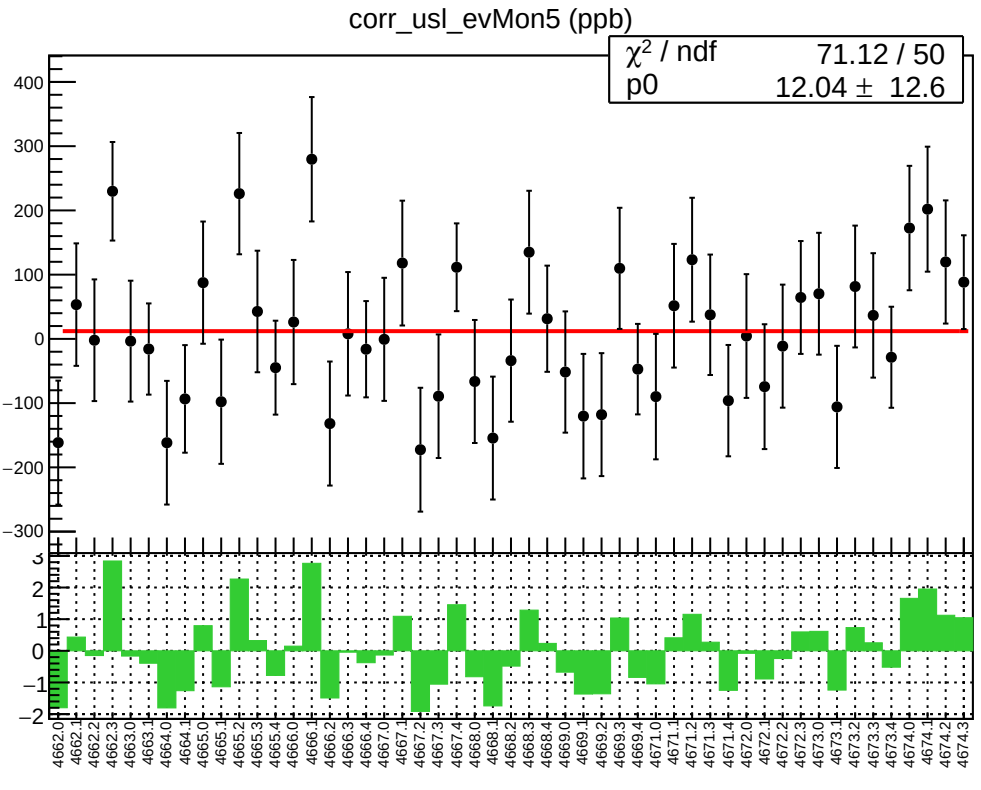

corr_usl_evMon3 (ppb)
χ² / ndf 167.9 / 50
p0 162.8 ± 48.08
2000
1500
1000
500
0
−500
−1000
−1500
−2000
4
3
2
1
0
−1
−2
−3
−4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

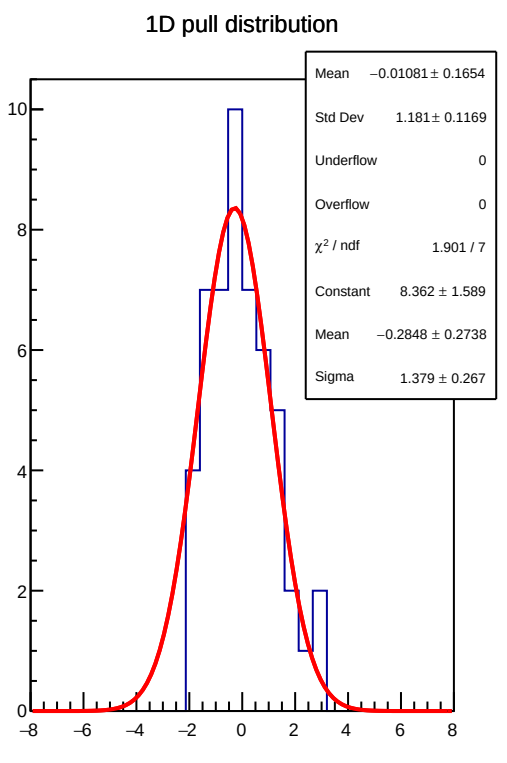

1D pull distribution
Mean −0.03683 ± 0.254
Std Dev 1.814 ± 0.1796
Underflow 0
Overflow 0
χ² / ndf 3.808 / 12
Constant 5.042 ± 0.916
Mean −0.145 ± 0.383
Sigma 2.203 ± 0.334
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

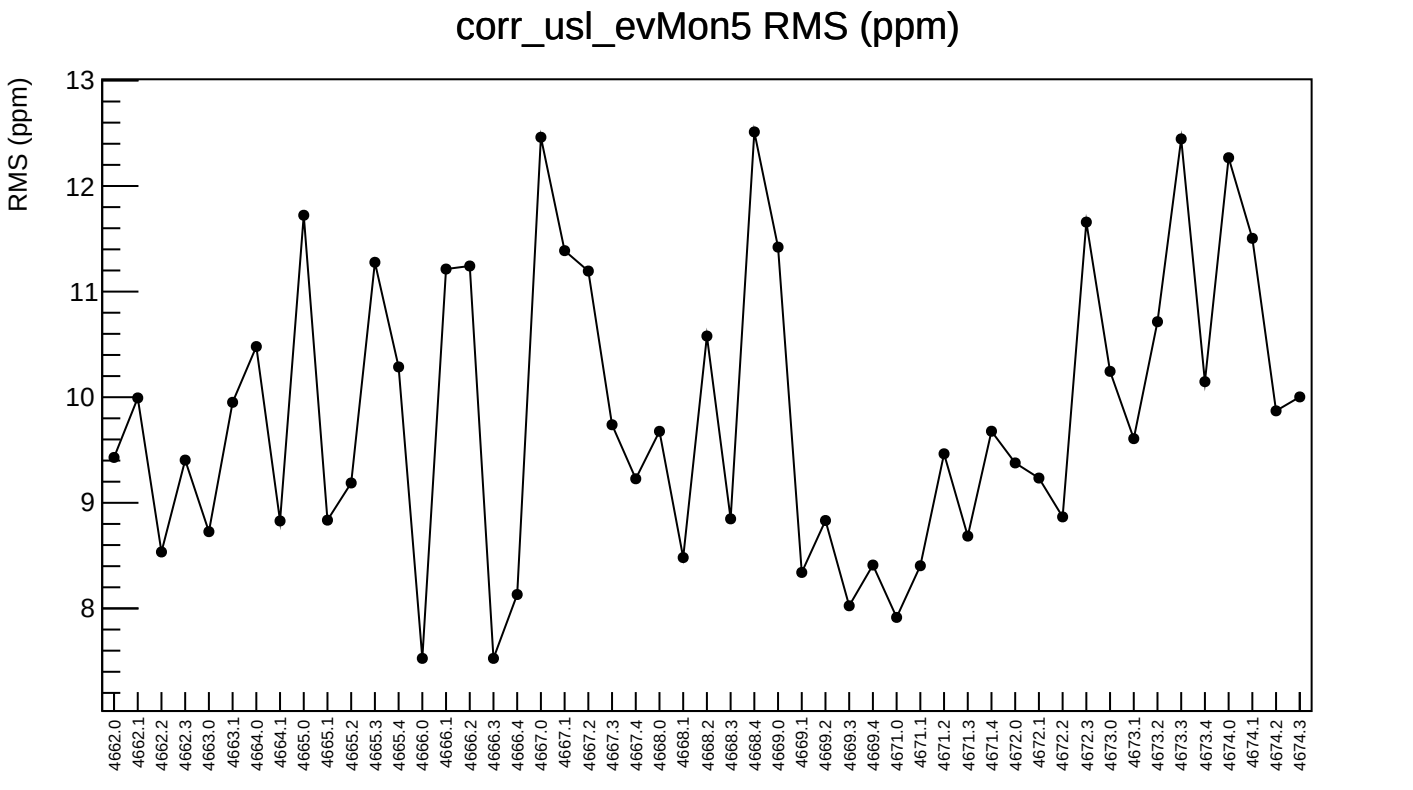

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
72
70
68
66
64
62
60
58
56
54
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

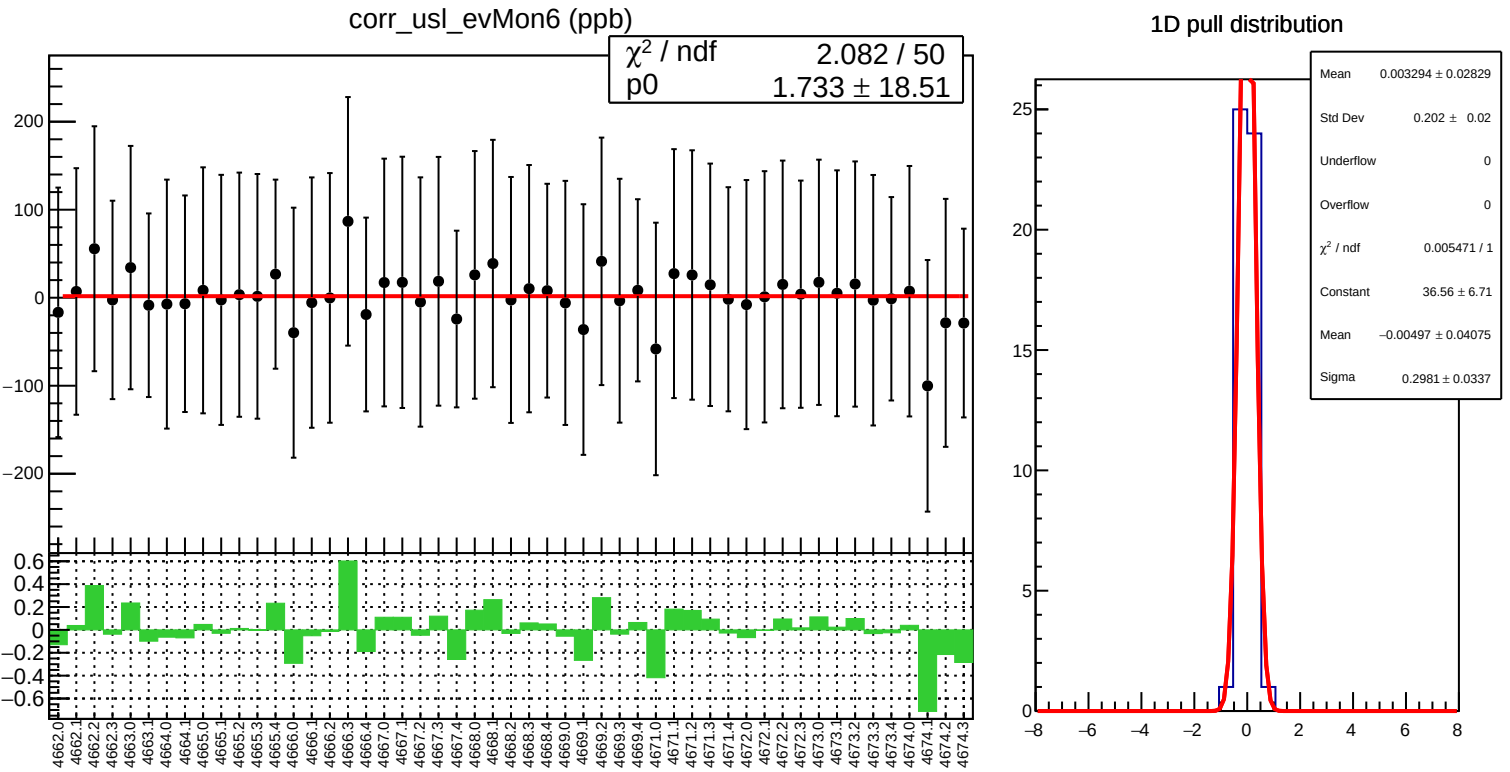

corr_usl_evMon4 (ppb)
χ² / ndf 13.28 / 50
p0 −6.048 ± 46.79
1D pull distribution
Mean −0.002173 ± 0.07146
Std Dev 0.5103 ± 0.05053
Underflow 0
Overflow 0
χ² / ndf 3.725 / 2
Constant 22.93 ± 4.83
Mean −0.06867 ± 0.07092
Sigma 0.4422 ± 0.0712

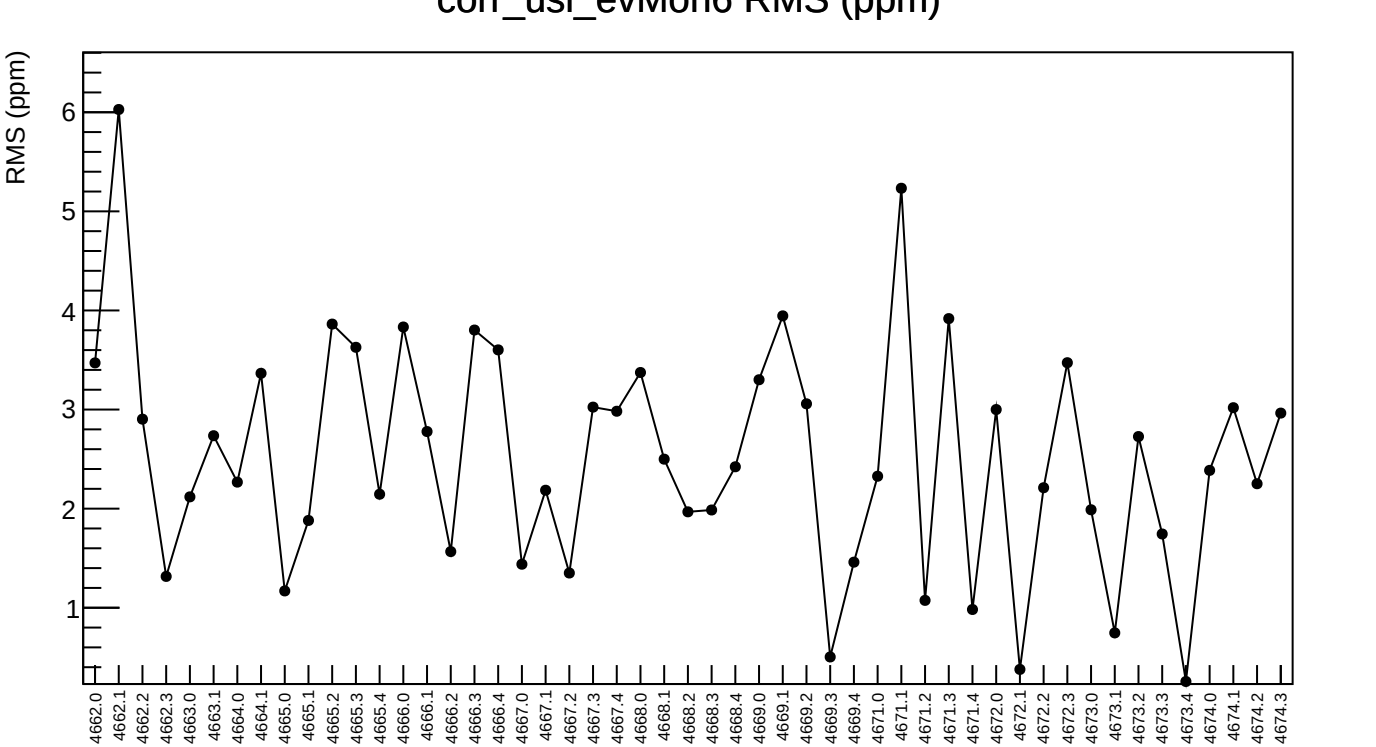

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
24
22
20
18
16
14
12
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

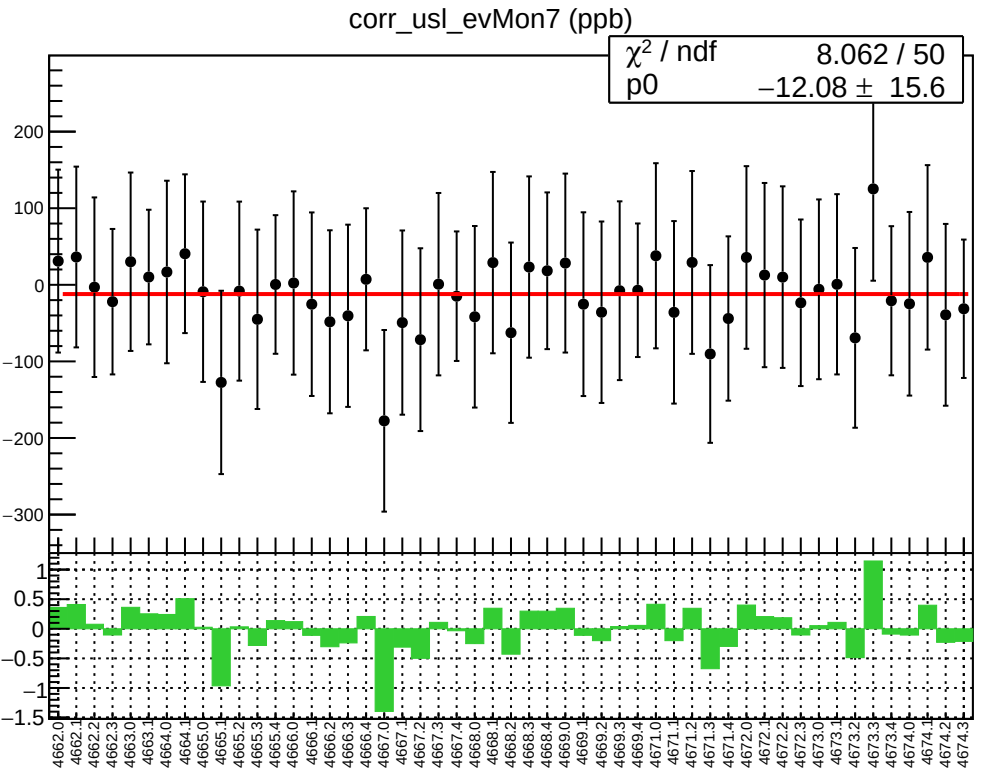

corr_usl_evMon5 (ppb)
χ² / ndf 71.12 / 50
p0 12.04 ± 12.6
400
300
200
100
0
−100
−200
−300
5
2
1
0
−1
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
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

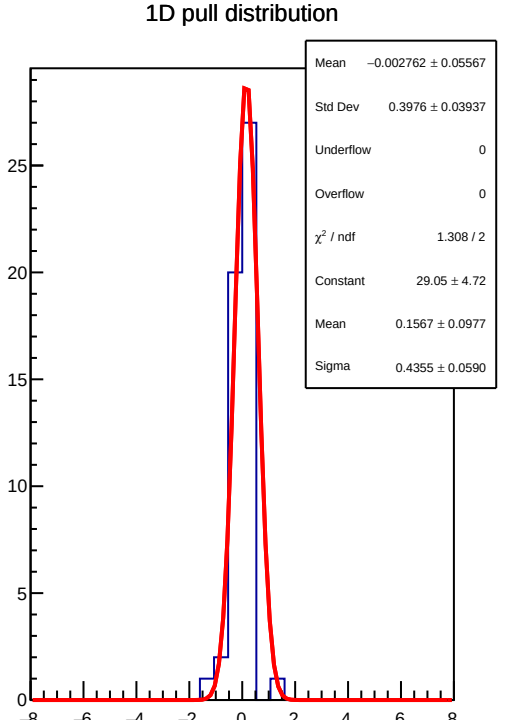

1D pull distribution
Mean −0.01081 ± 0.1654
Std Dev 1.181 ± 0.1169
Underflow 0
Overflow 0
χ² / ndf 1.901 / 7
Constant 8.362 ± 1.589
Mean −0.2848 ± 0.2738
Sigma 1.379 ± 0.267
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

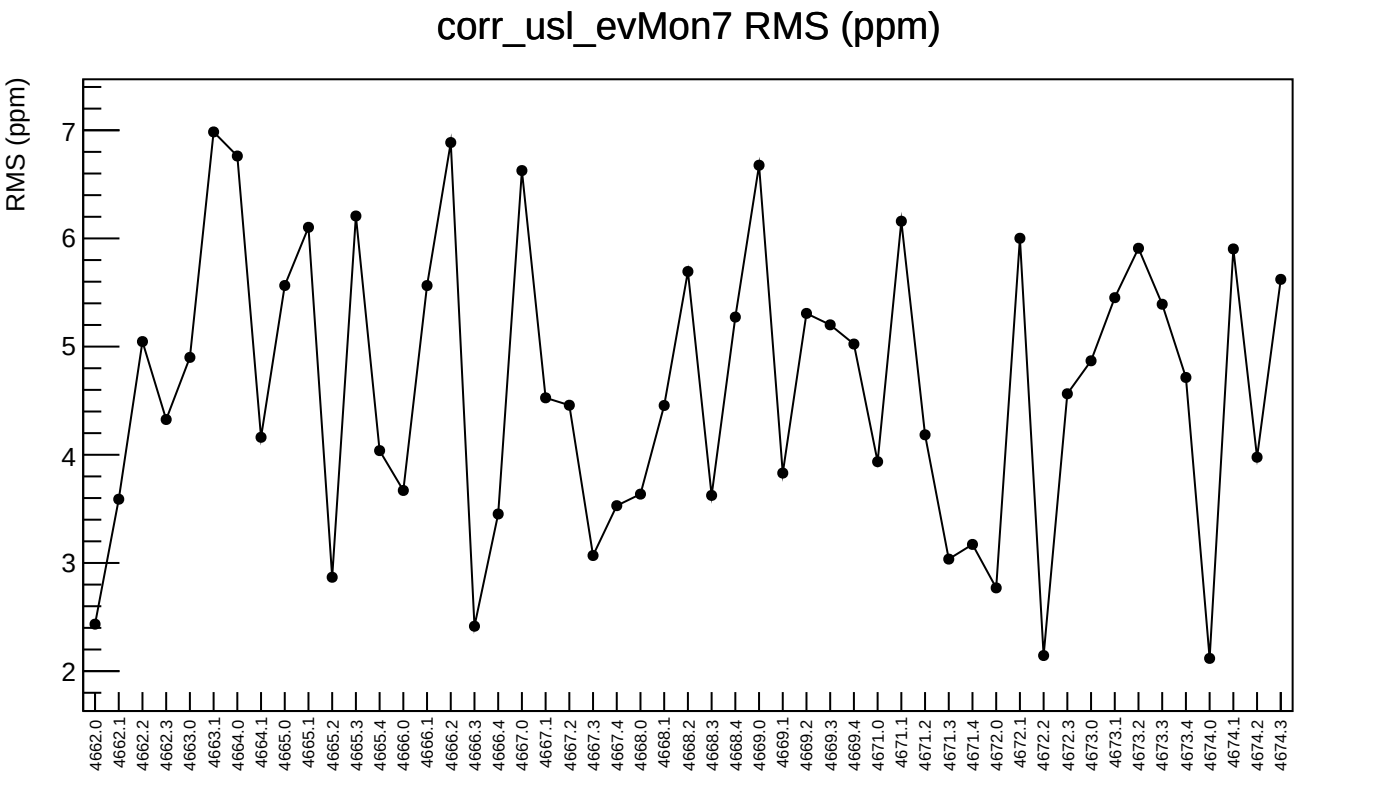

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
13
12
11
10
9
8
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

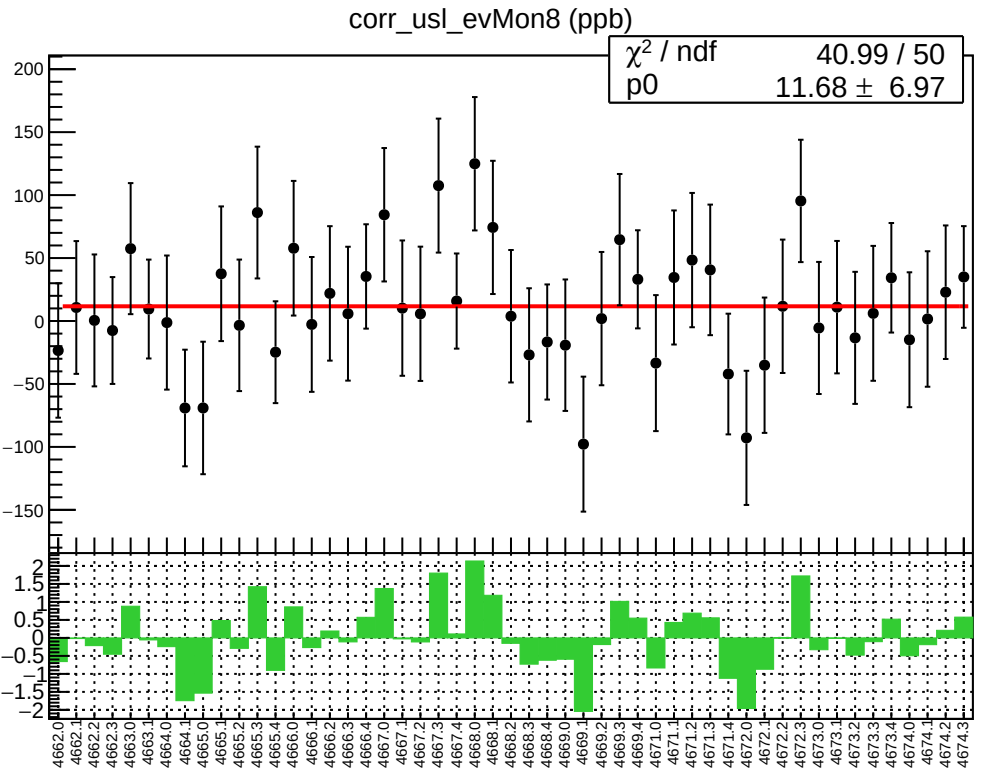

corr_usl_evMon6 (ppb)
χ² / ndf 2.082 / 50
p0 1.733 ± 18.51
1D pull distribution
Mean 0.003294 ± 0.02829
Std Dev 0.202 ± 0.02
Underflow 0
Overflow 0
χ² / ndf 0.005471 / 1
Constant 36.56 ± 6.71
Mean −0.00497 ± 0.04075
Sigma 0.2981 ± 0.0337

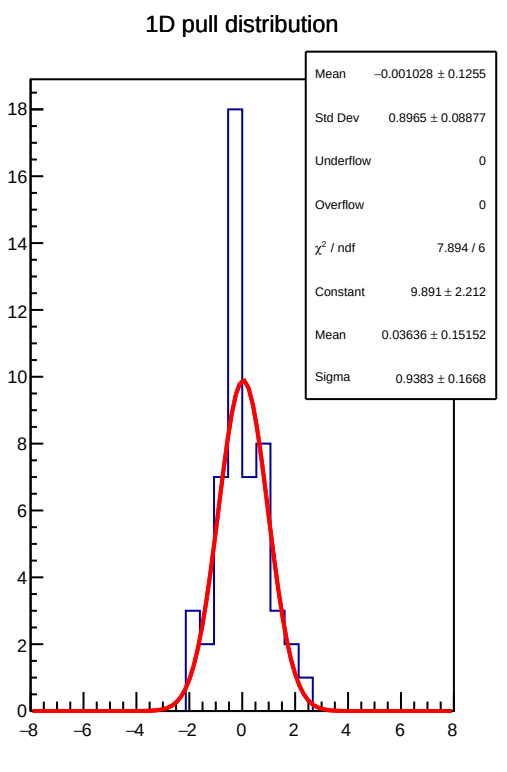

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

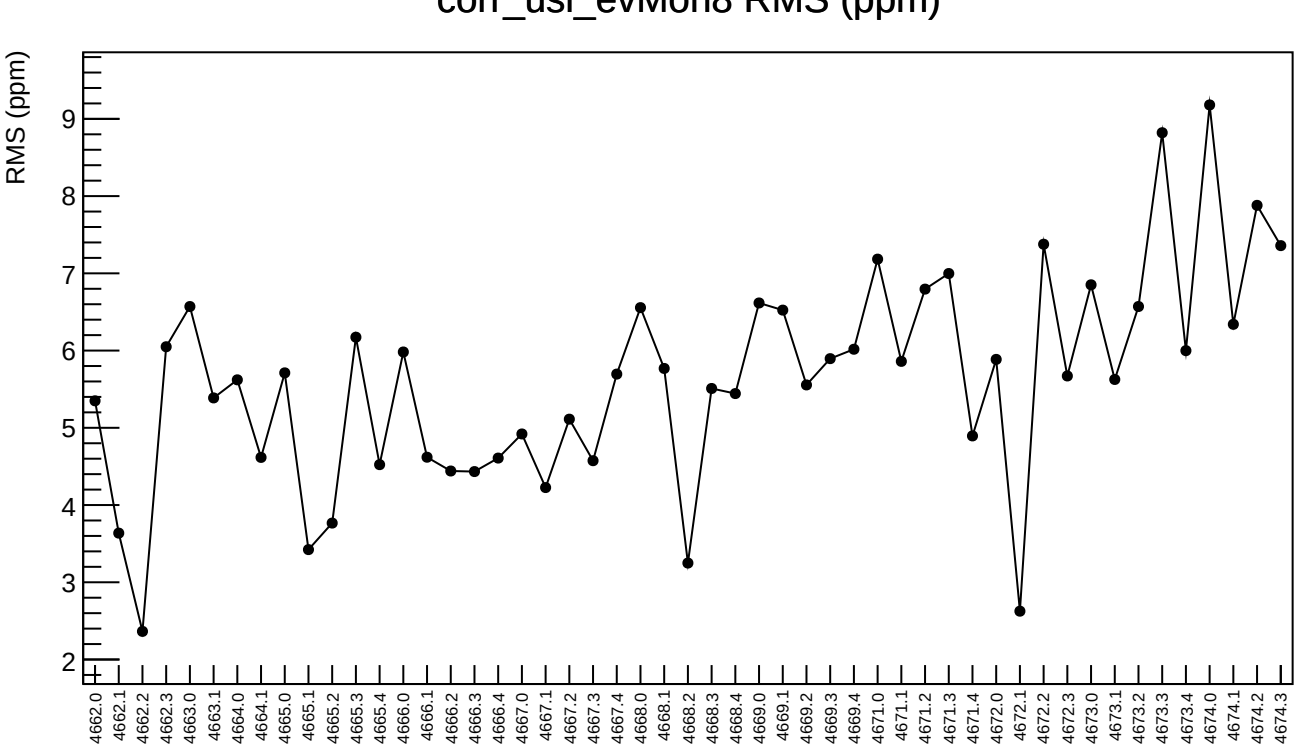

corr_usl_evMon7 (ppb)
χ² / ndf 8.062 / 50
p0 −12.08 ± 15.6
200
100
0
−100
−200
−300
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
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

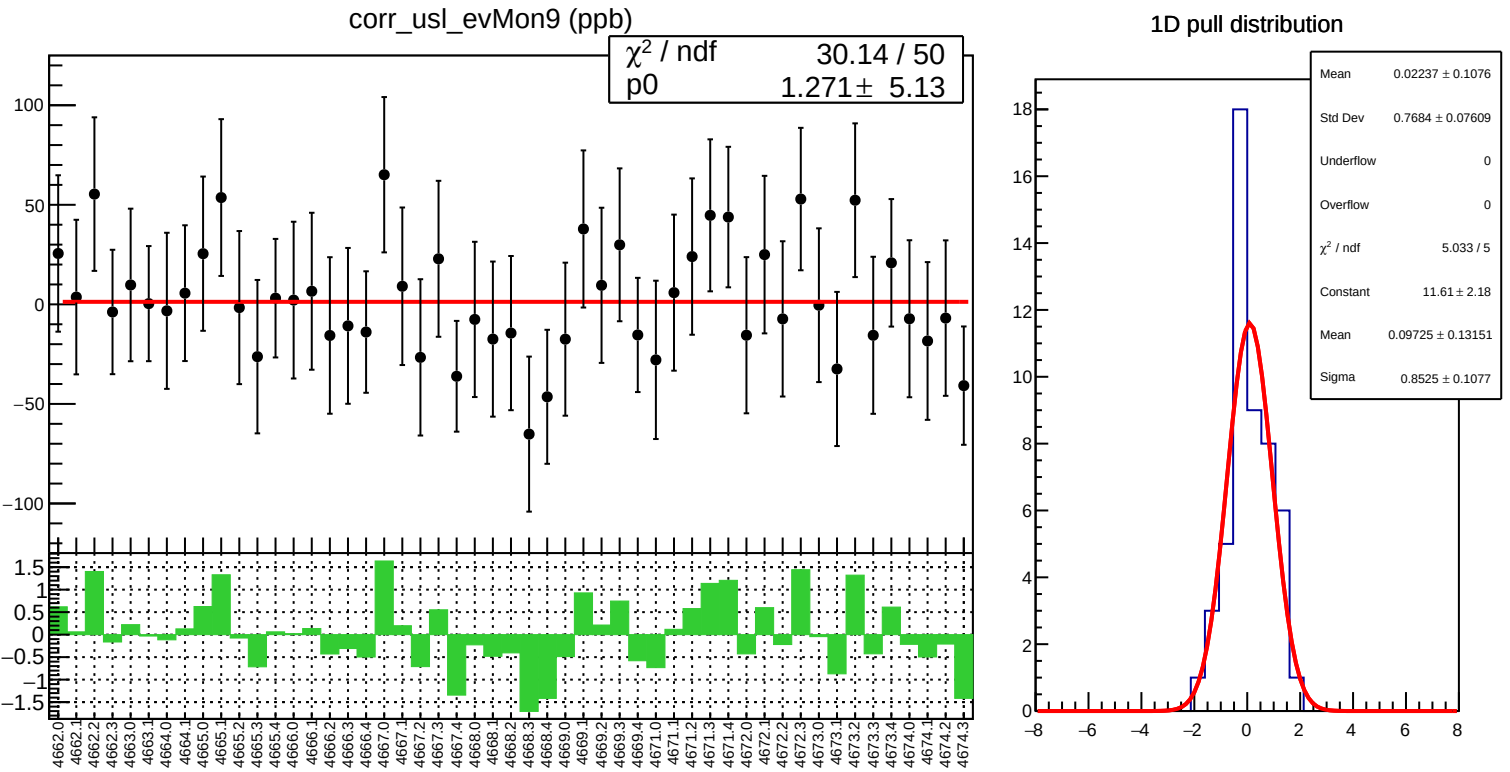

1D pull distribution
Mean −0.002762 ± 0.05567
Std Dev 0.3976 ± 0.03937
Underflow 0
Overflow 0
χ² / ndf 1.308 / 2
Constant 29.05 ± 4.72
Mean 0.1567 ± 0.0977
Sigma 0.4355 ± 0.0590
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

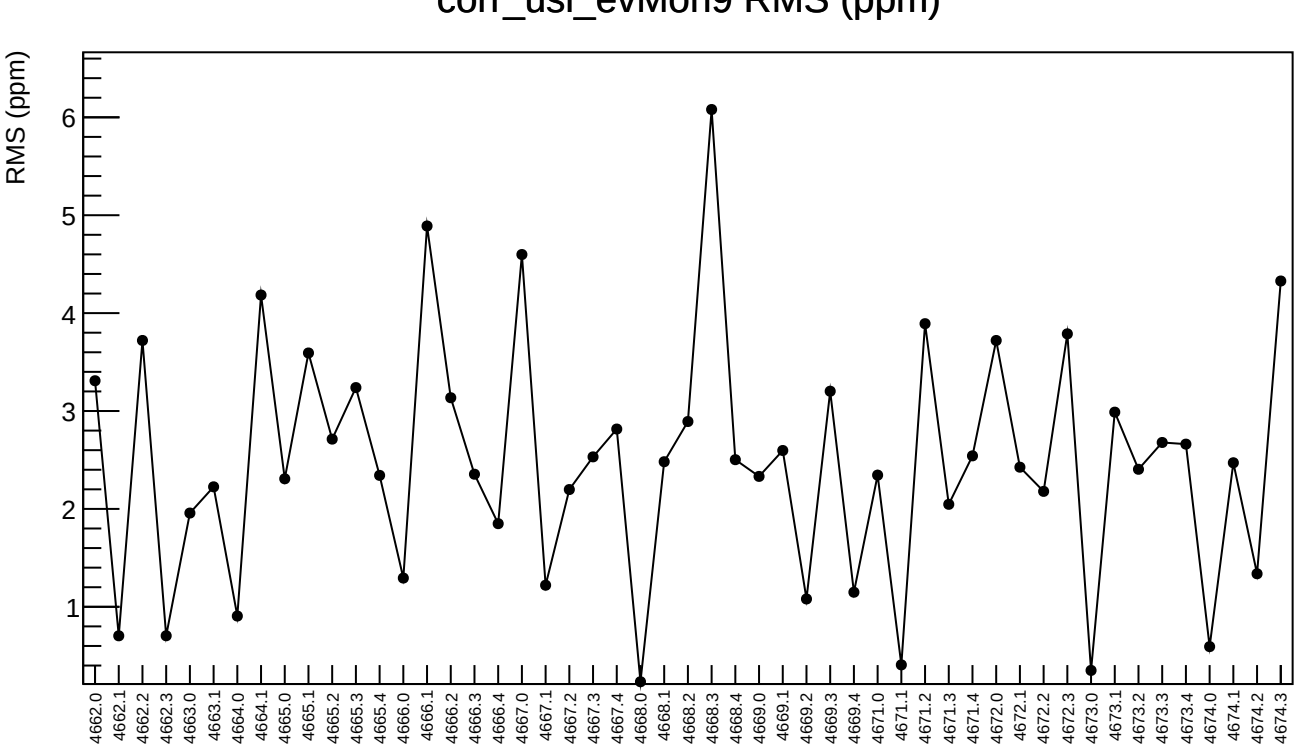

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
2
3
4
5
6
7
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

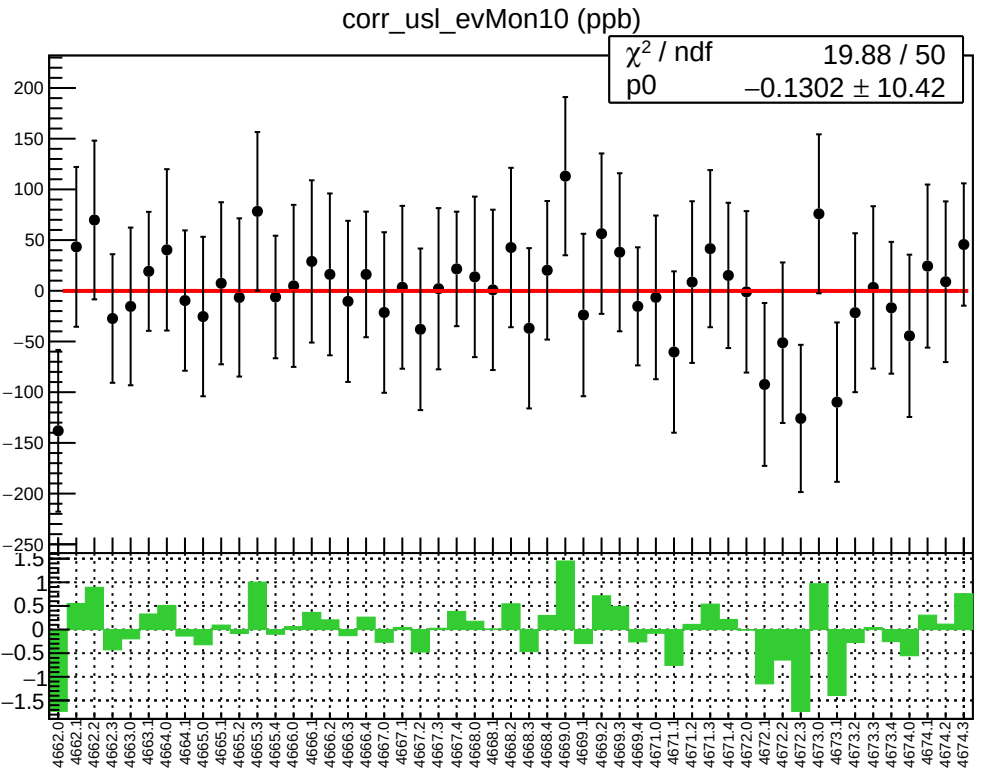

corr_usl_evMon8 (ppb)
χ² / ndf 40.99 / 50
p0 11.68 ± 6.97

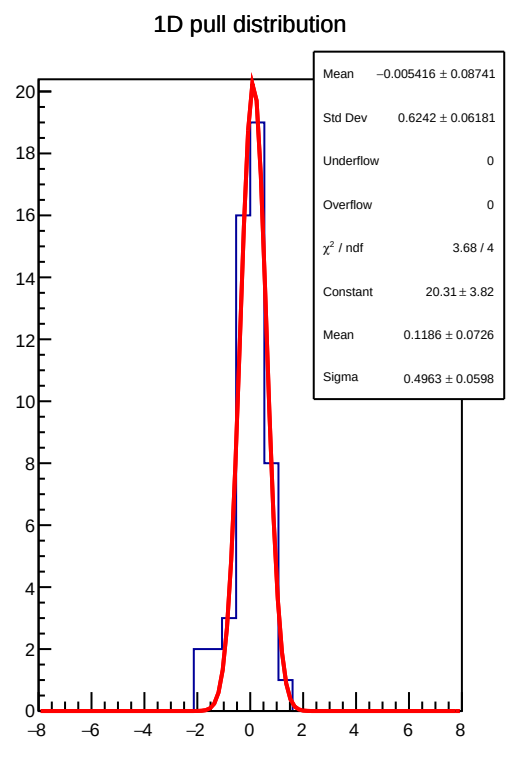

1D pull distribution
Mean −0.001028 ± 0.1255
Std Dev 0.8965 ± 0.08877
Underflow 0
Overflow 0
χ² / ndf 7.894 / 6
Constant 9.891 ± 2.212
Mean 0.03636 ± 0.15152
Sigma 0.9383 ± 0.1668

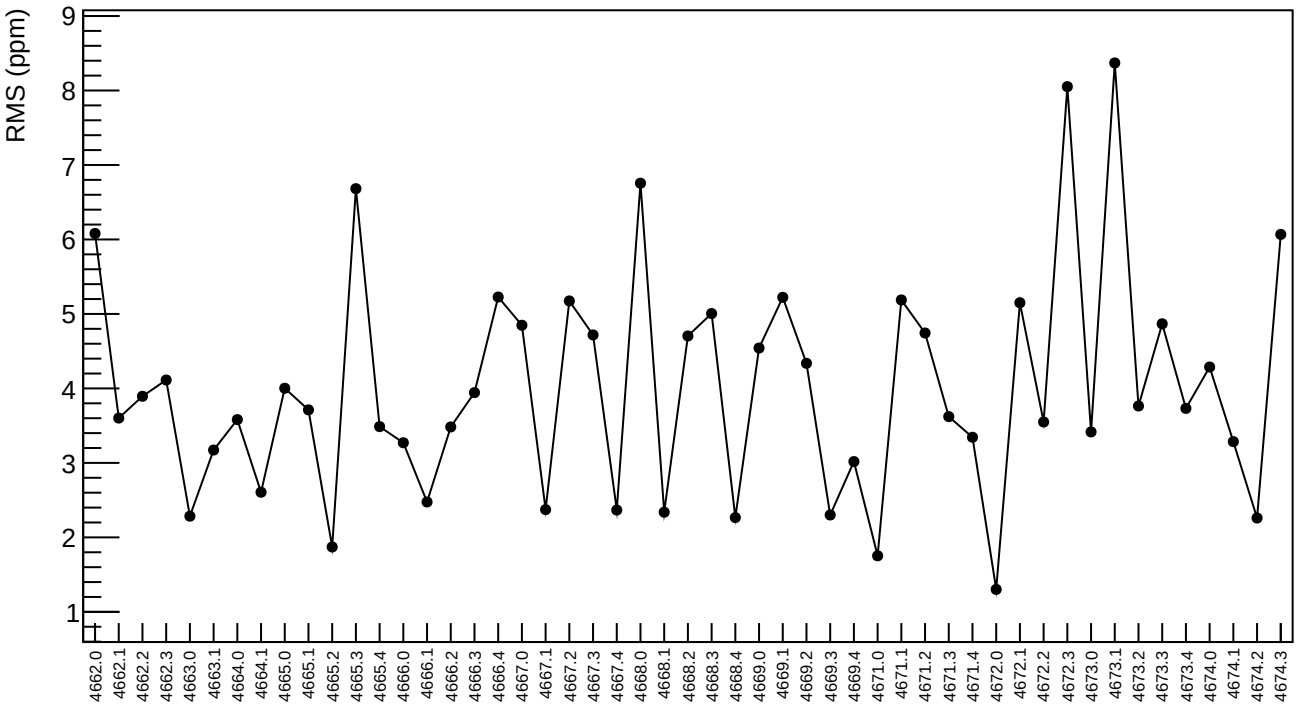

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
2
3
4
5
6
7
8
9
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

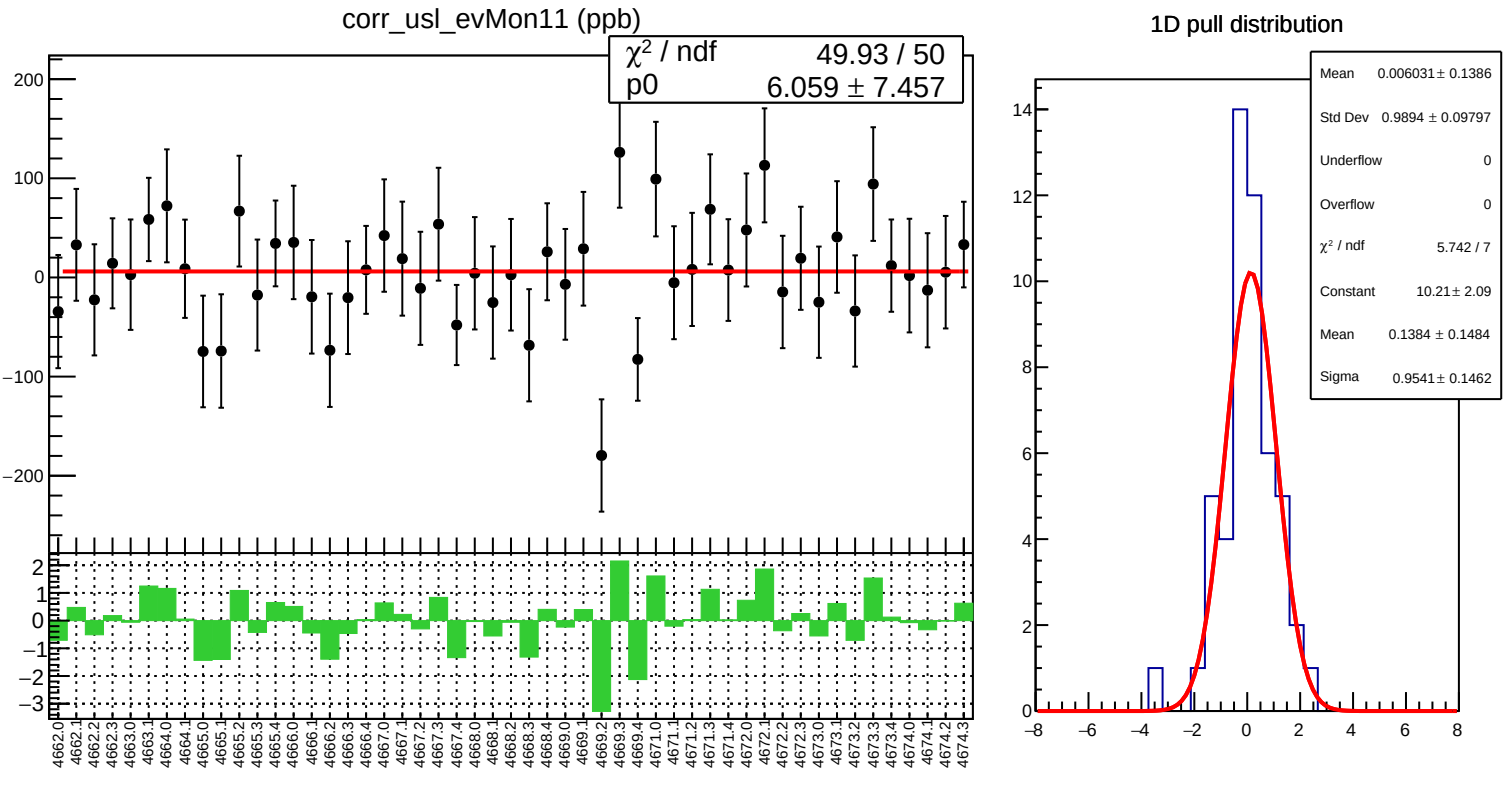

corr_usl_evMon9 (ppb)
χ² / ndf 30.14 / 50
p0 1.271± 5.13
1D pull distribution
Mean 0.02237 ± 0.1076
Std Dev 0.7684 ± 0.07609
Underflow 0
Overflow 0
χ² / ndf 5.033 / 5
Constant 11.61 ± 2.18
Mean 0.09725 ± 0.13151
Sigma 0.8525 ± 0.1077

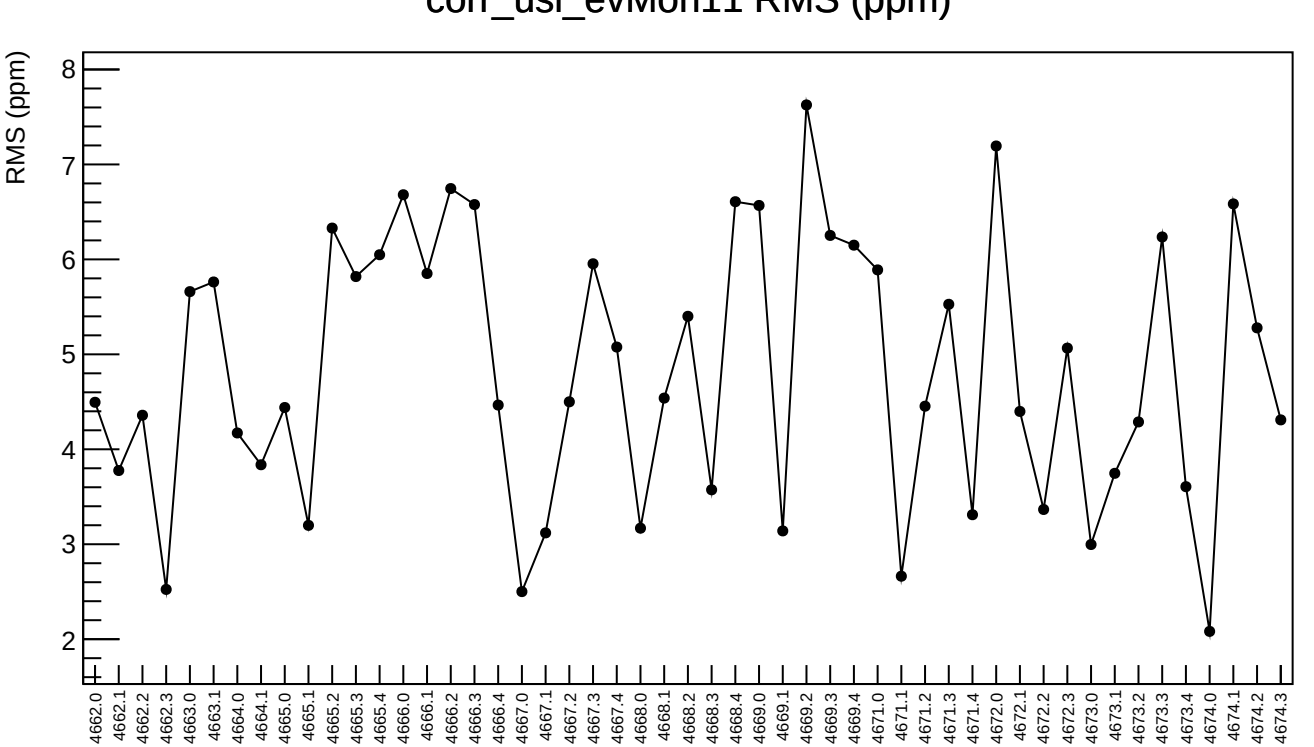

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

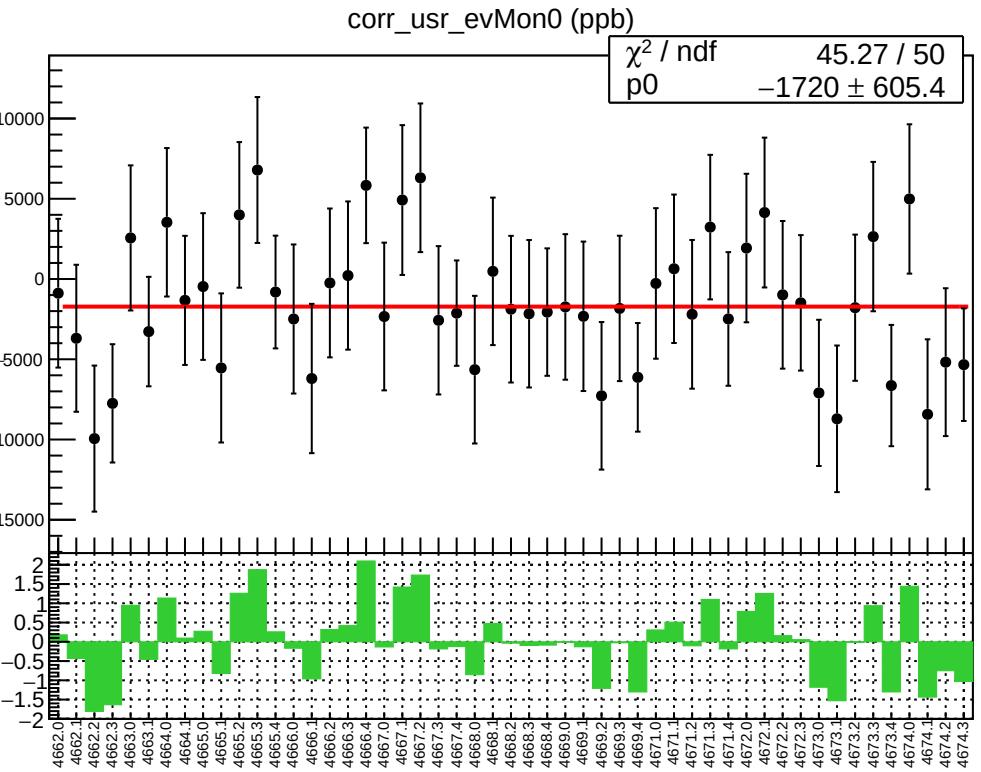

corr_usl_evMon10 (ppb)
χ² / ndf 19.88 / 50
p0 −0.1302 ± 10.42

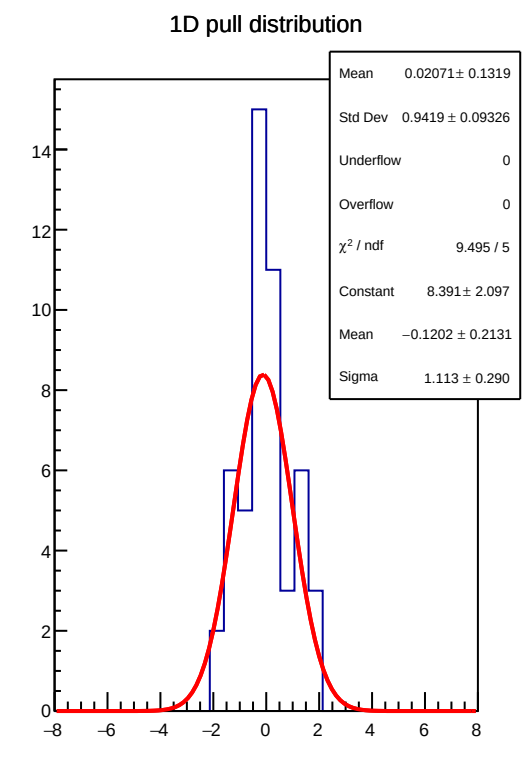

1D pull distribution
Mean −0.005416 ± 0.08741
Std Dev 0.6242 ± 0.06181
Underflow 0
Overflow 0
χ² / ndf 3.68 / 4
Constant 20.31 ± 3.82
Mean 0.1186 ± 0.0726
Sigma 0.4963 ± 0.0598

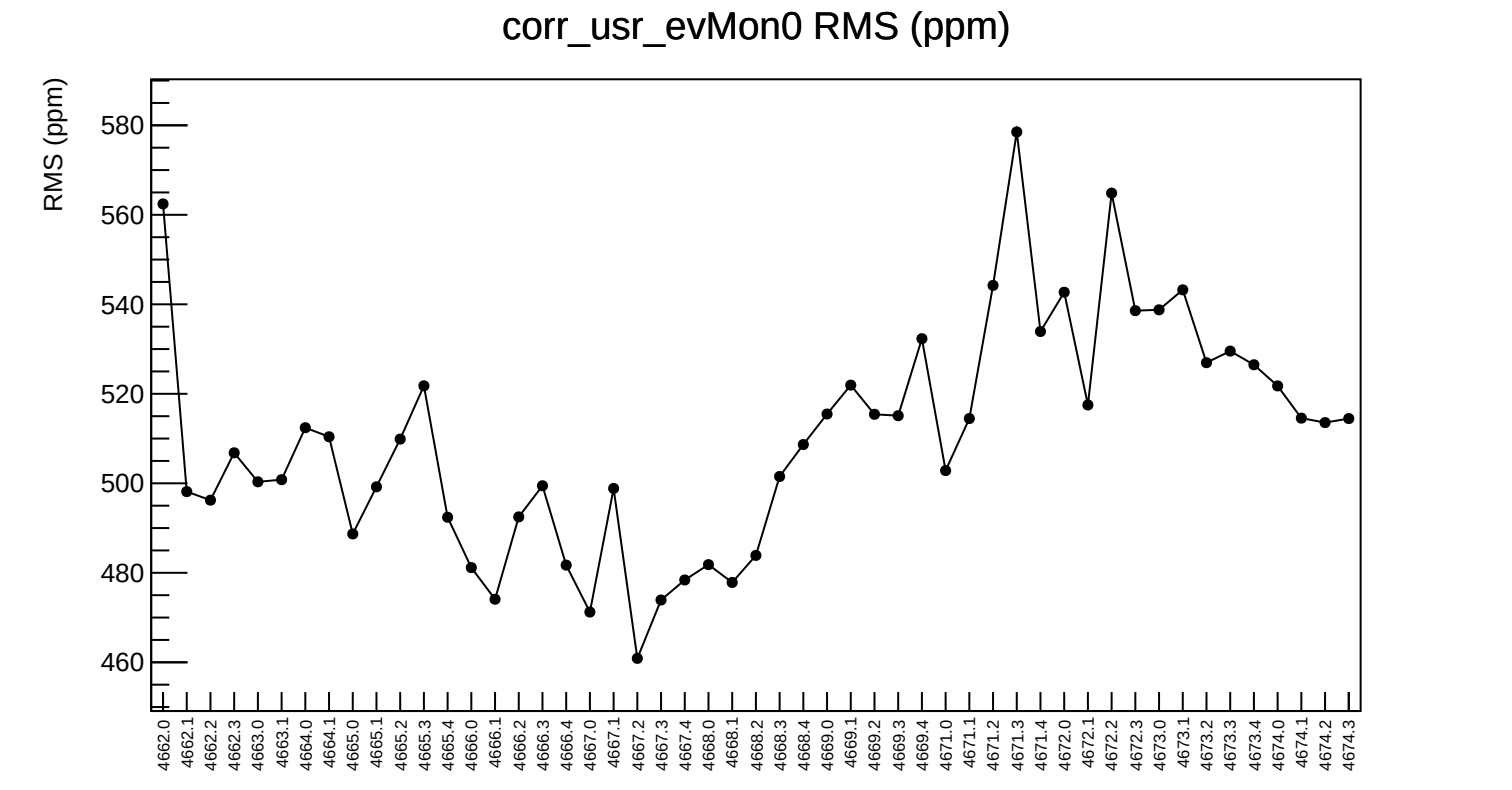

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
9
8
7
6
5
4
3
2
1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

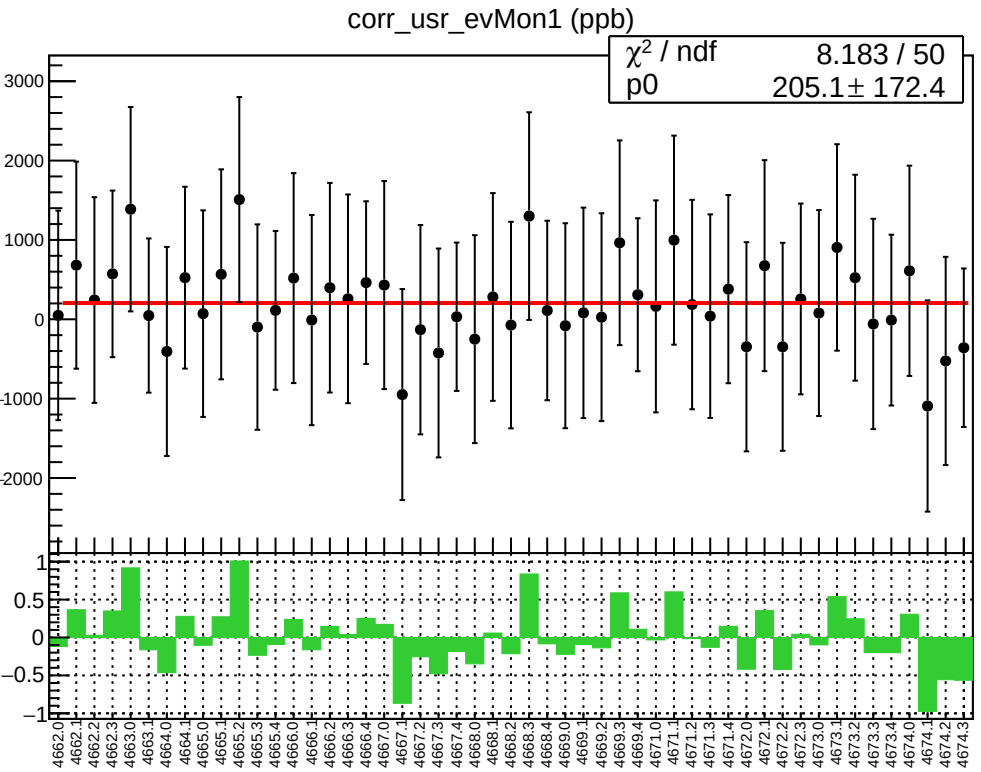

corr_usl_evMon11 (ppb)
χ² / ndf 49.93 / 50
p0 6.059 ± 7.457
1D pull distribution
Mean 0.006031 ± 0.1386
Std Dev 0.9894 ± 0.09797
Underflow 0
Overflow 0
χ² / ndf 5.742 / 7
Constant 10.21 ± 2.09
Mean 0.1384 ± 0.1484
Sigma 0.9541 ± 0.1462

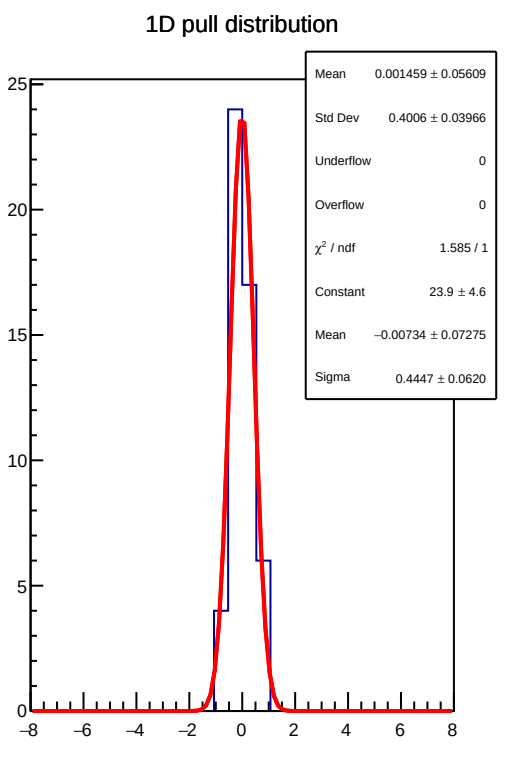

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

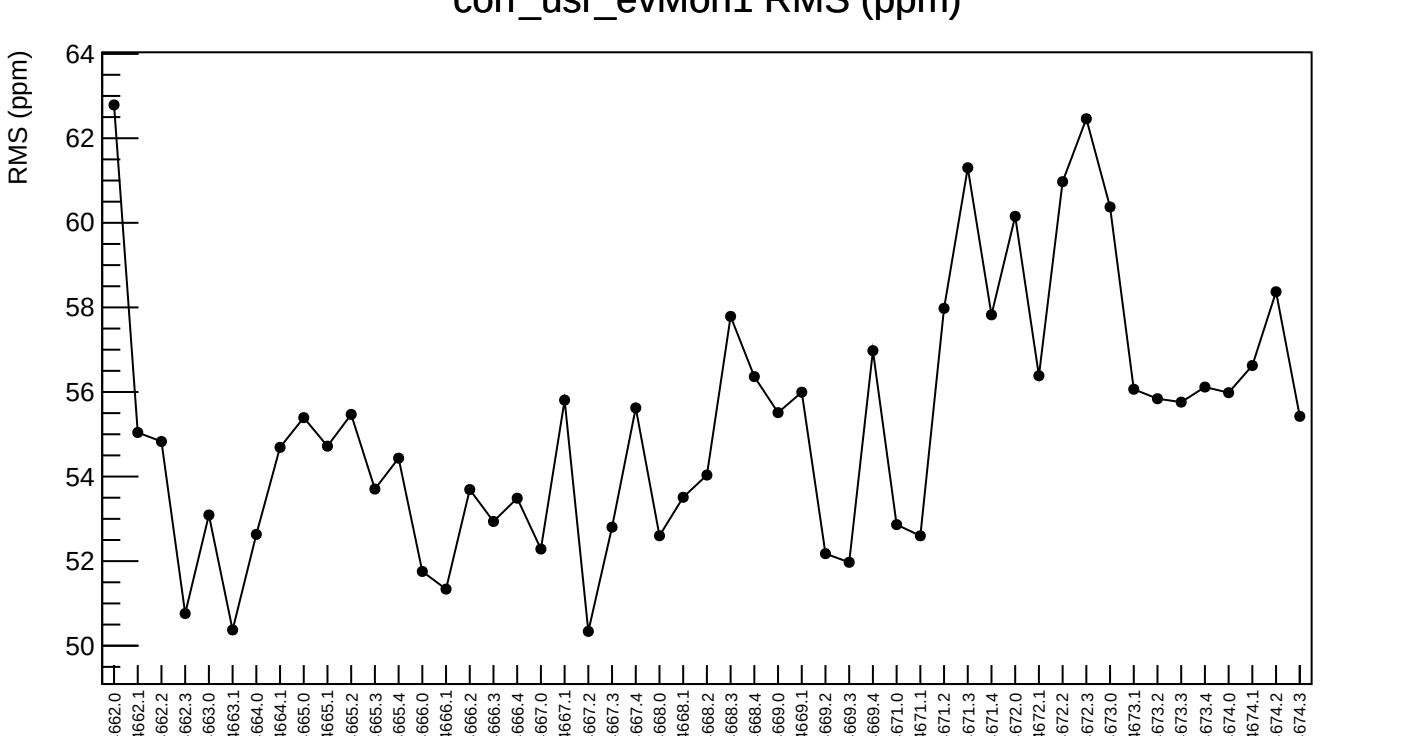

corr_usr_evMon0 (ppb)
χ² / ndf 45.27 / 50
p0 −1720 ± 605.4
10000
5000
0
−5000
−10000
−15000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
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

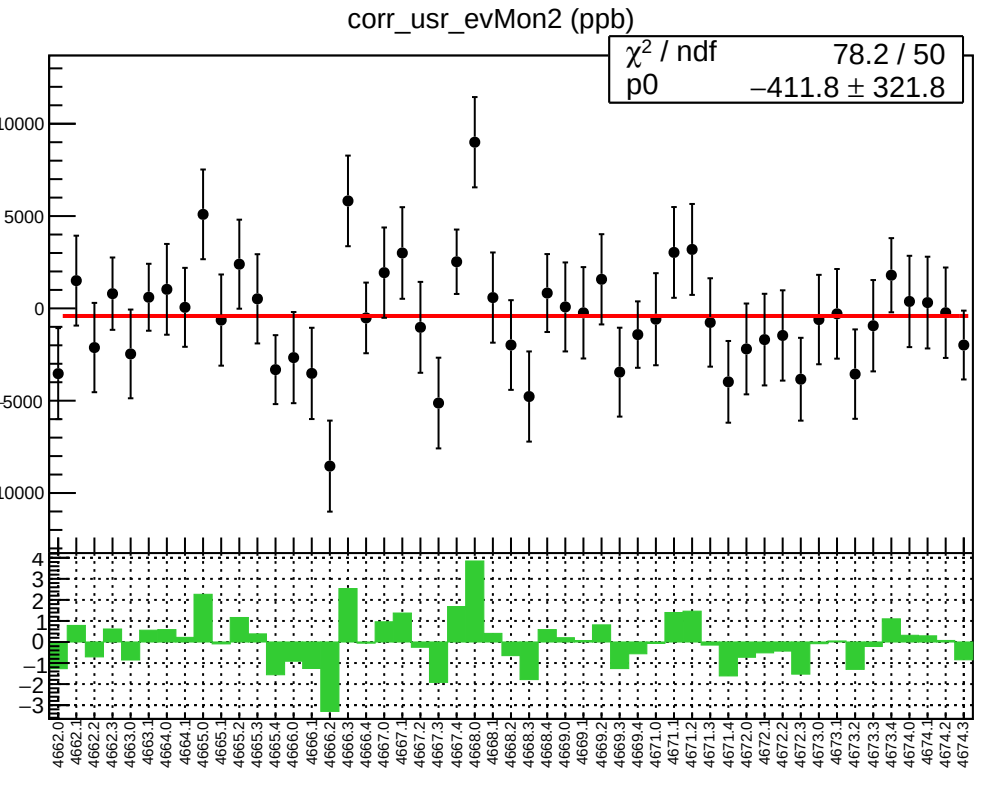

1D pull distribution
Mean 0.02071± 0.1319
Std Dev 0.9419 ± 0.09326
Underflow 0
Overflow 0
χ² / ndf 9.495 / 5
Constant 8.391± 2.097
Mean −0.1202 ± 0.2131
Sigma 1.113 ± 0.290
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

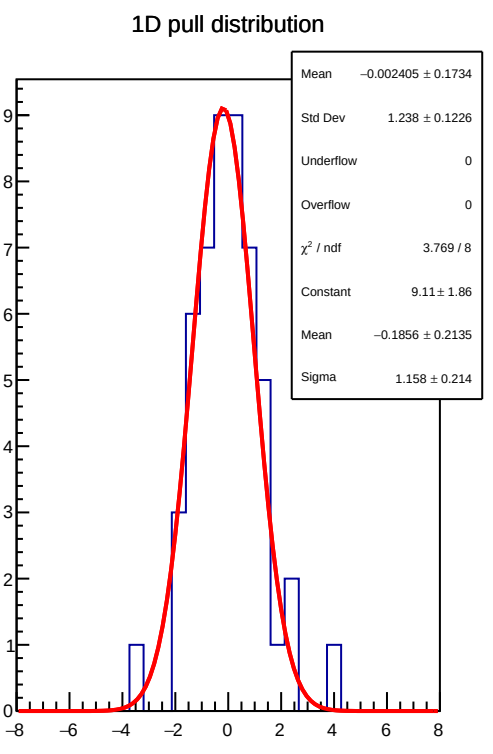

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
580
560
540
520
500
480
460
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

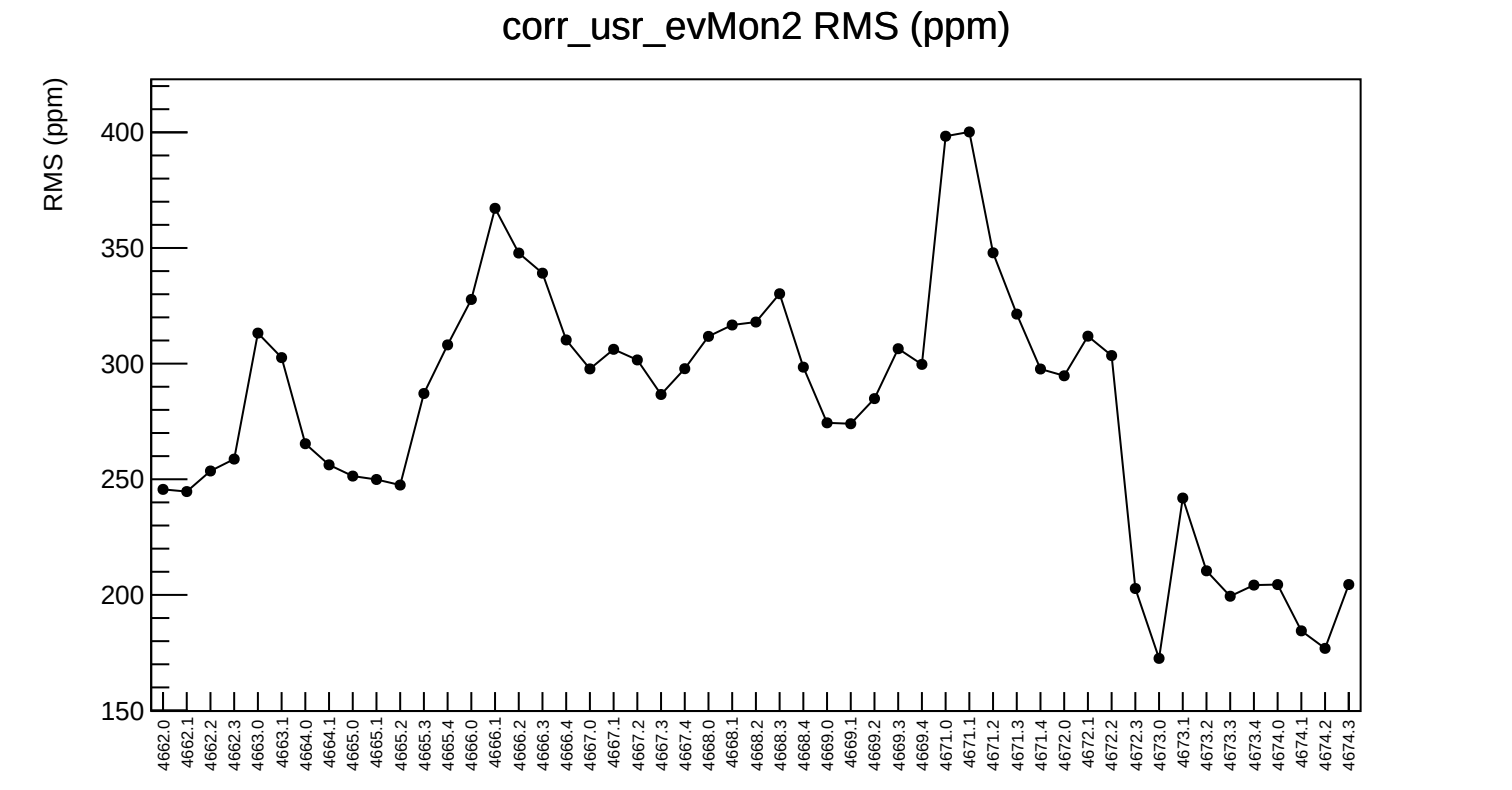

corr_usr_evMon1 (ppb)
χ² / ndf 8.183 / 50
p0 205.1 ± 172.4
3000
2000
1000
0
-1000
-2000
1
0.5
0
−0.5
−1
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
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

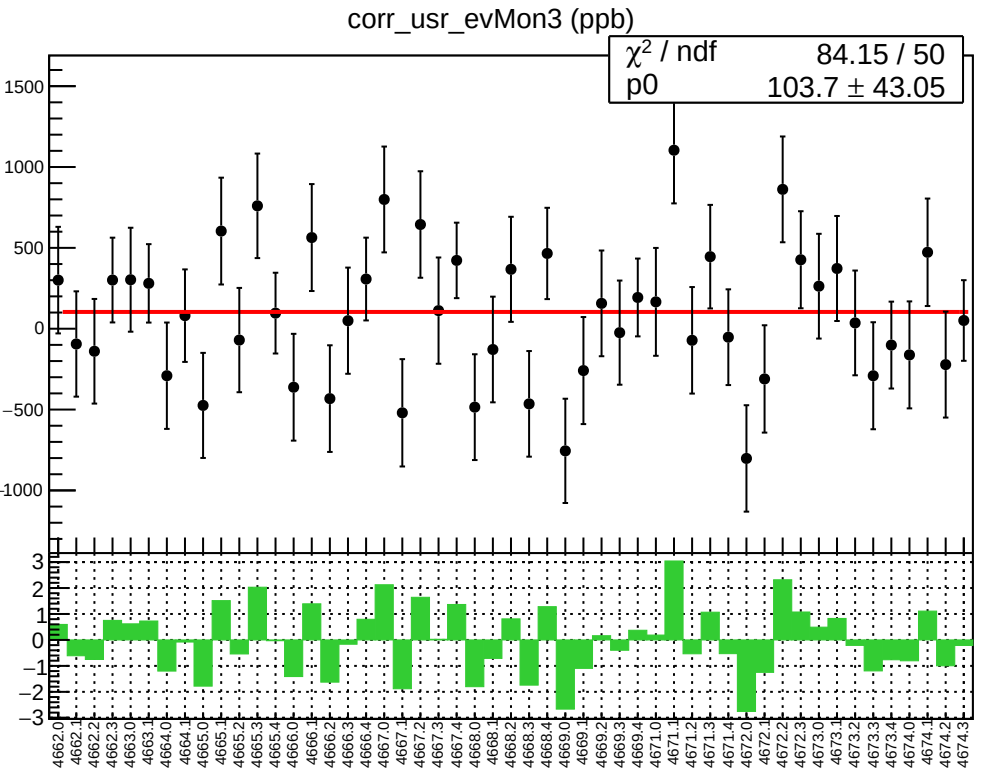

1D pull distribution
Mean 0.001459 ± 0.05609
Std Dev 0.4006 ± 0.03966
Underflow 0
Overflow 0
χ² / ndf 1.585 / 1
Constant 23.9 ± 4.6
Mean −0.00734 ± 0.07275
Sigma 0.4447 ± 0.0620
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

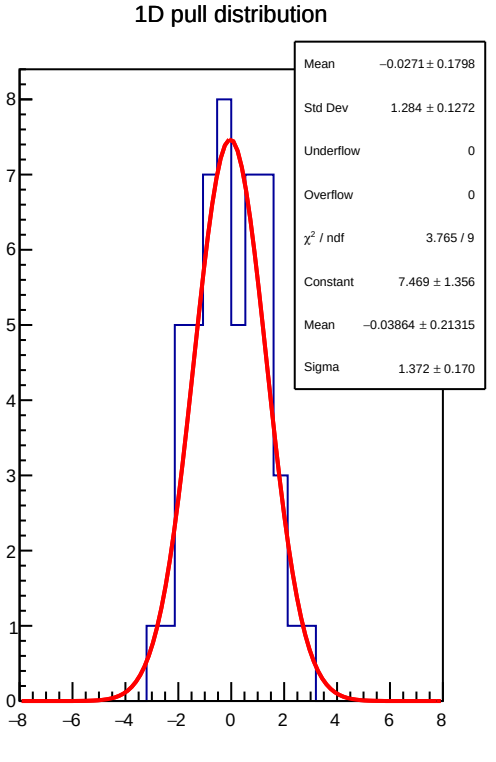

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
64
62
60
58
56
54
52
50
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

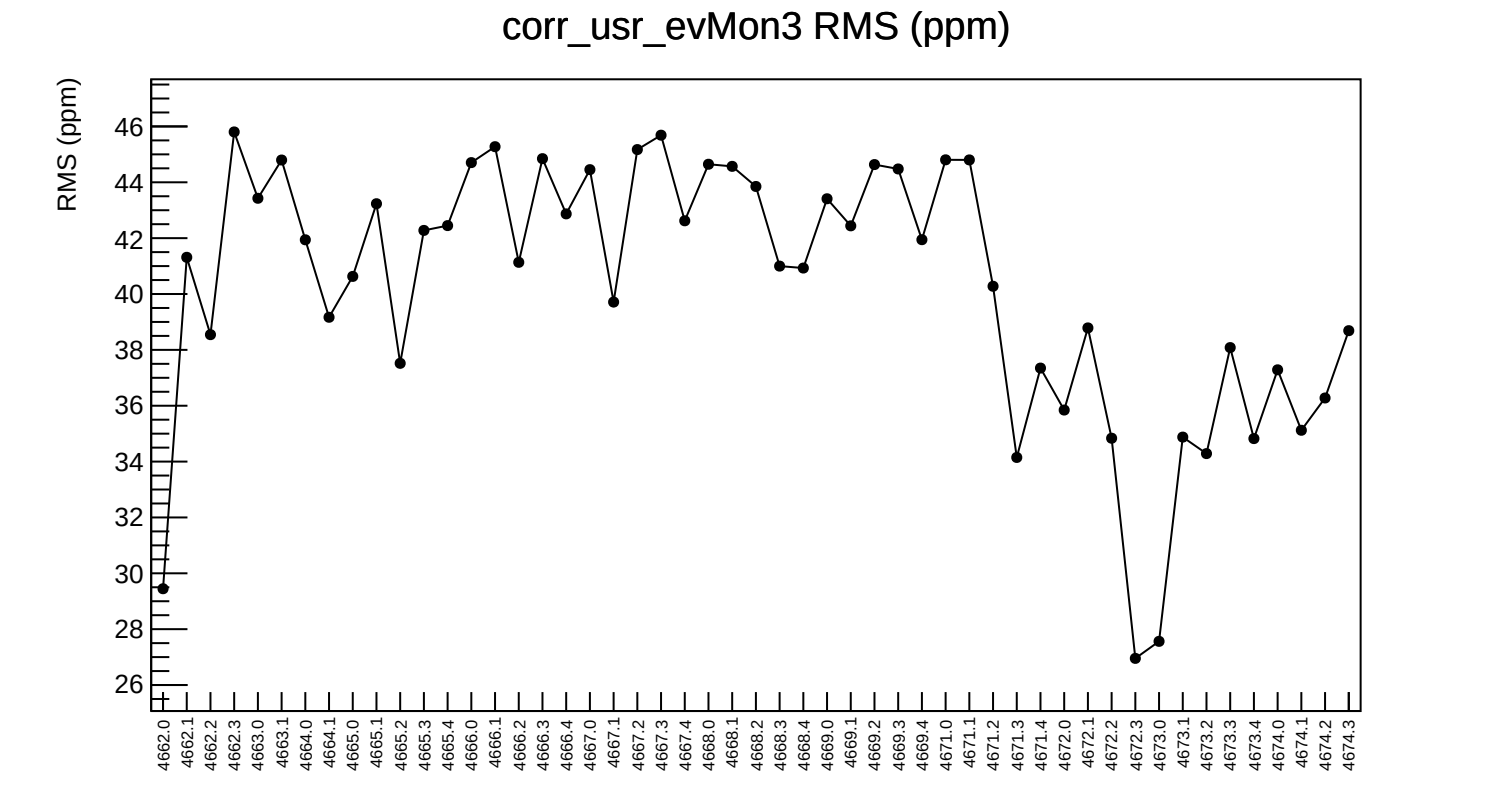

corr_usr_evMon2 (ppb)
χ² / ndf 78.2 / 50
p0 −411.8 ± 321.8
10000
5000
0
−5000
−10000
4
3
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
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

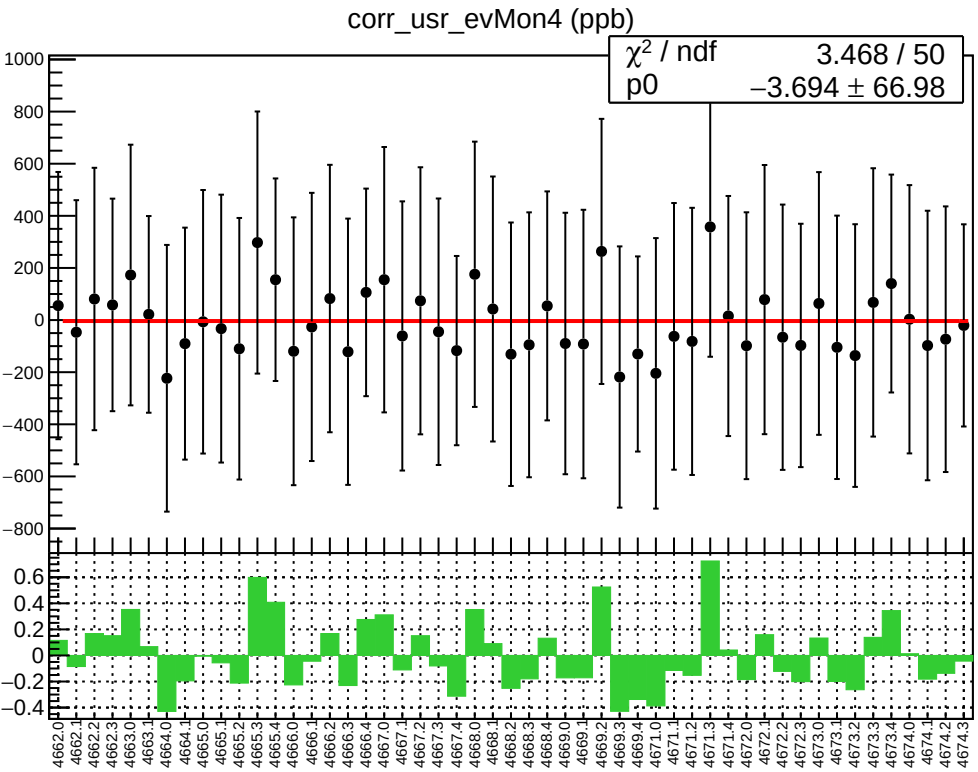

1D pull distribution
Mean −0.002405 ± 0.1734
Std Dev 1.238 ± 0.1226
Underflow 0
Overflow 0
χ² / ndf 3.769 / 8
Constant 9.11 ± 1.86
Mean −0.1856 ± 0.2135
Sigma 1.158 ± 0.214
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

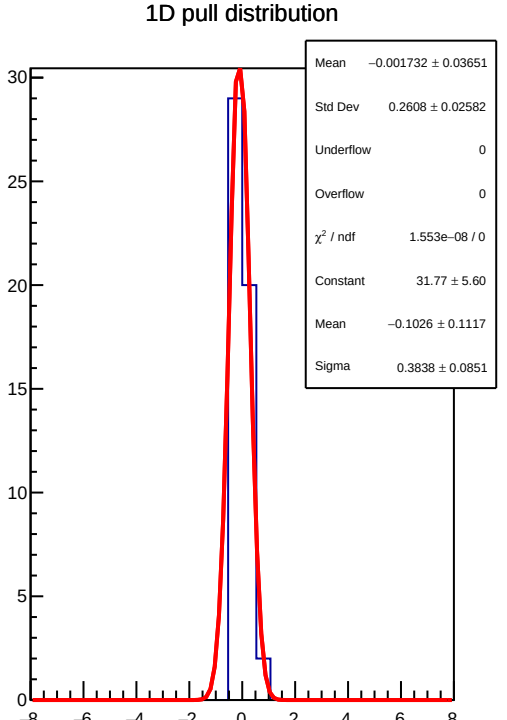

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
400
350
300
250
200
150
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

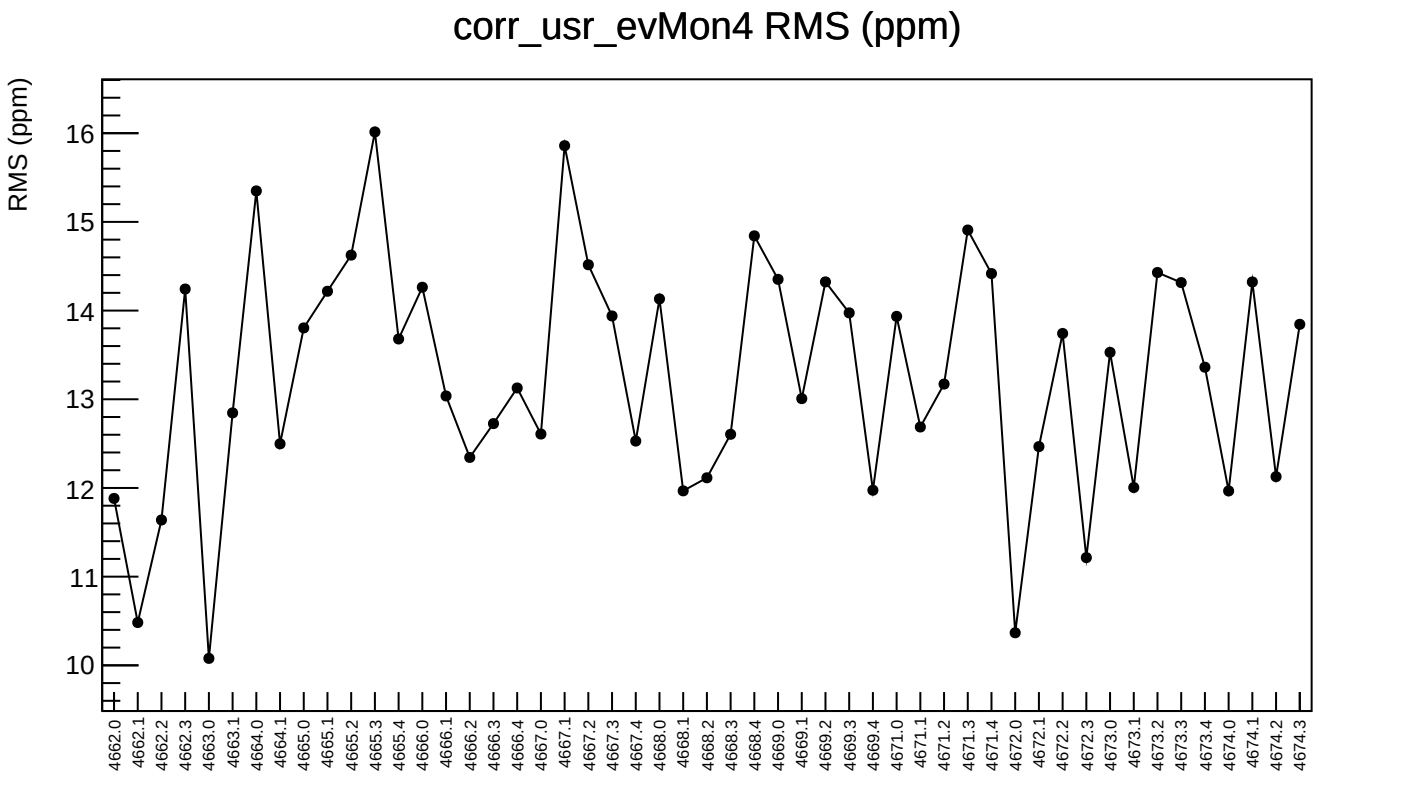

corr_usr_evMon3 (ppb)
χ² / ndf 84.15 / 50
p0 103.7 ± 43.05
1500
1000
500
0
−500
−1000
3
2
1
0
−1
−2
−3
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
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

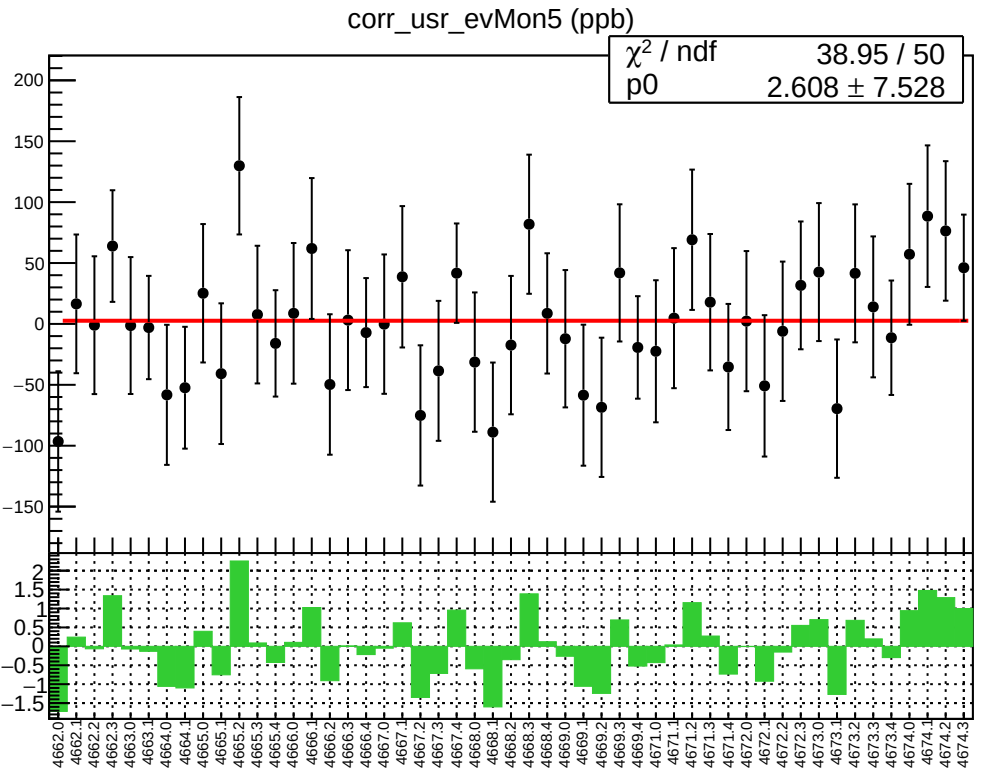

1D pull distribution
Mean −0.0271 ± 0.1798
Std Dev 1.284 ± 0.1272
Underflow 0
Overflow 0
χ² / ndf 3.765 / 9
Constant 7.469 ± 1.356
Mean −0.03864 ± 0.21315
Sigma 1.372 ± 0.170
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

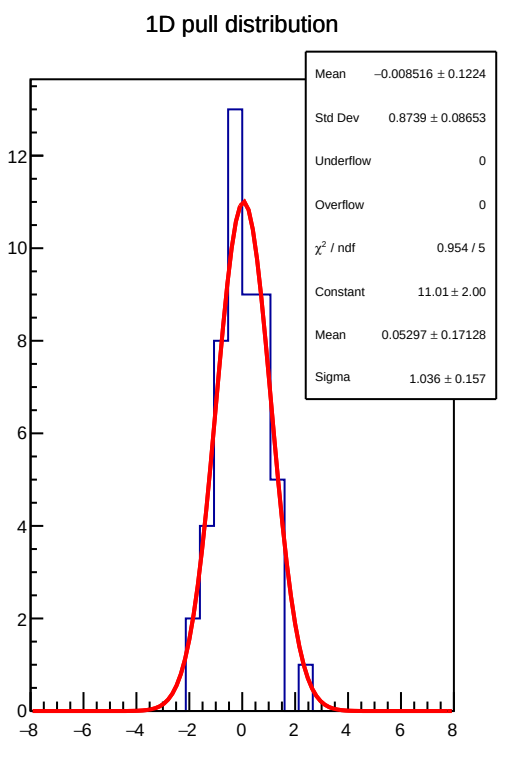

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
46
44
42
40
38
36
34
32
30
28
26
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
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

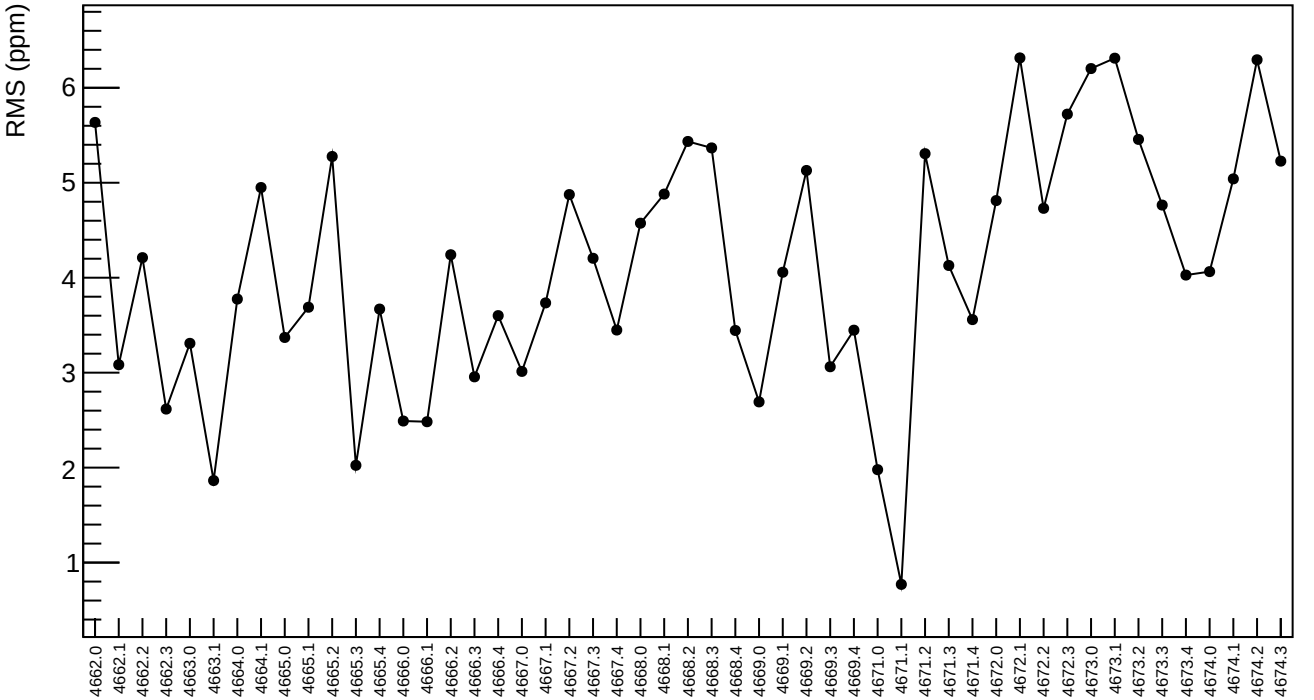

corr_usr_evMon4 (ppb)
χ² / ndf 3.468 / 50
p0 −3.694 ± 66.98
1000
800
600
400
200
0
−200
−400
−600
−800
0.6
0.4
0.2
0
−0.2
−0.4
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
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

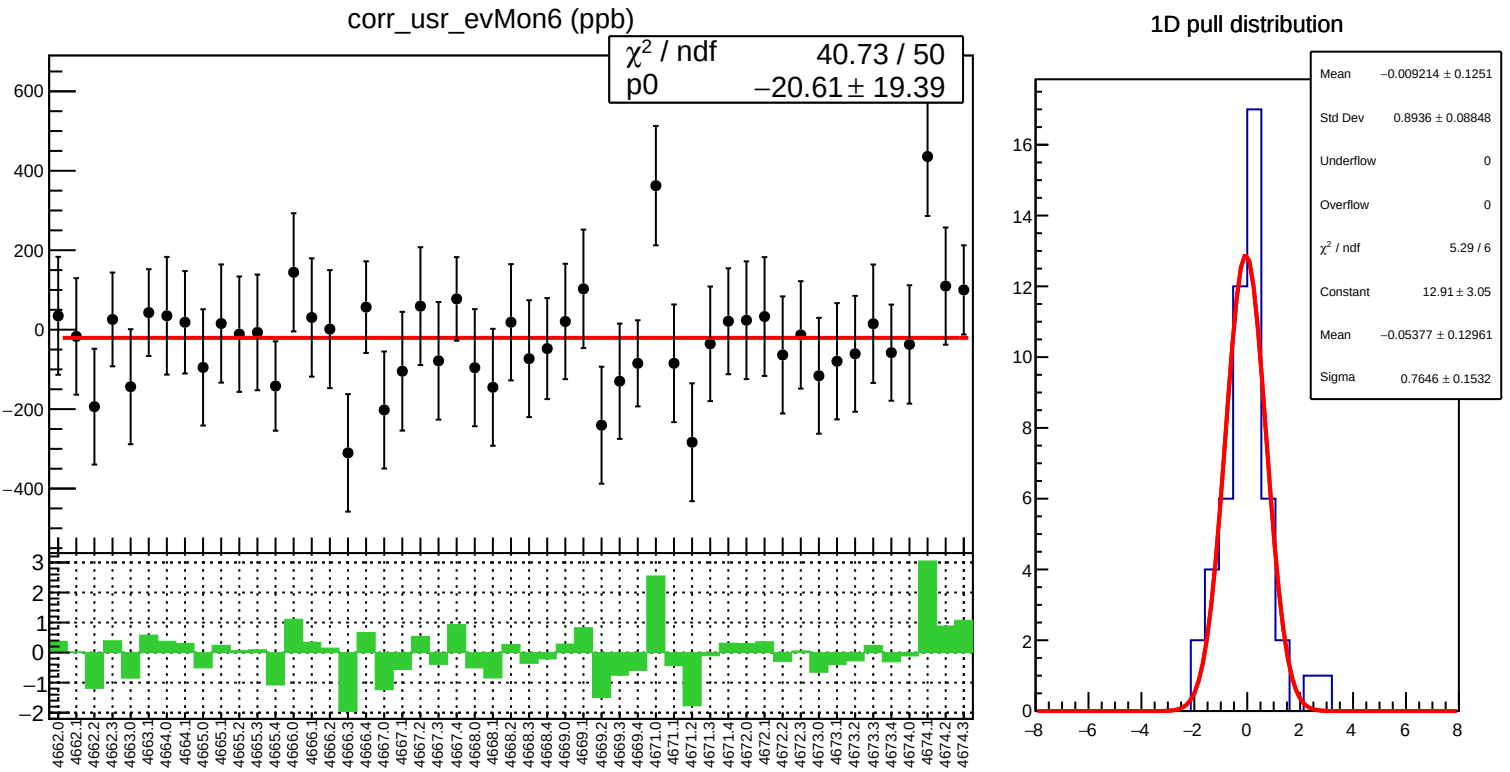

1D pull distribution
Mean −0.001732 ± 0.03651
Std Dev 0.2608 ± 0.02582
Underflow 0
Overflow 0
χ² / ndf 1.553e−08 / 0
Constant 31.77 ± 5.60
Mean −0.1026 ± 0.1117
Sigma 0.3838 ± 0.0851
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

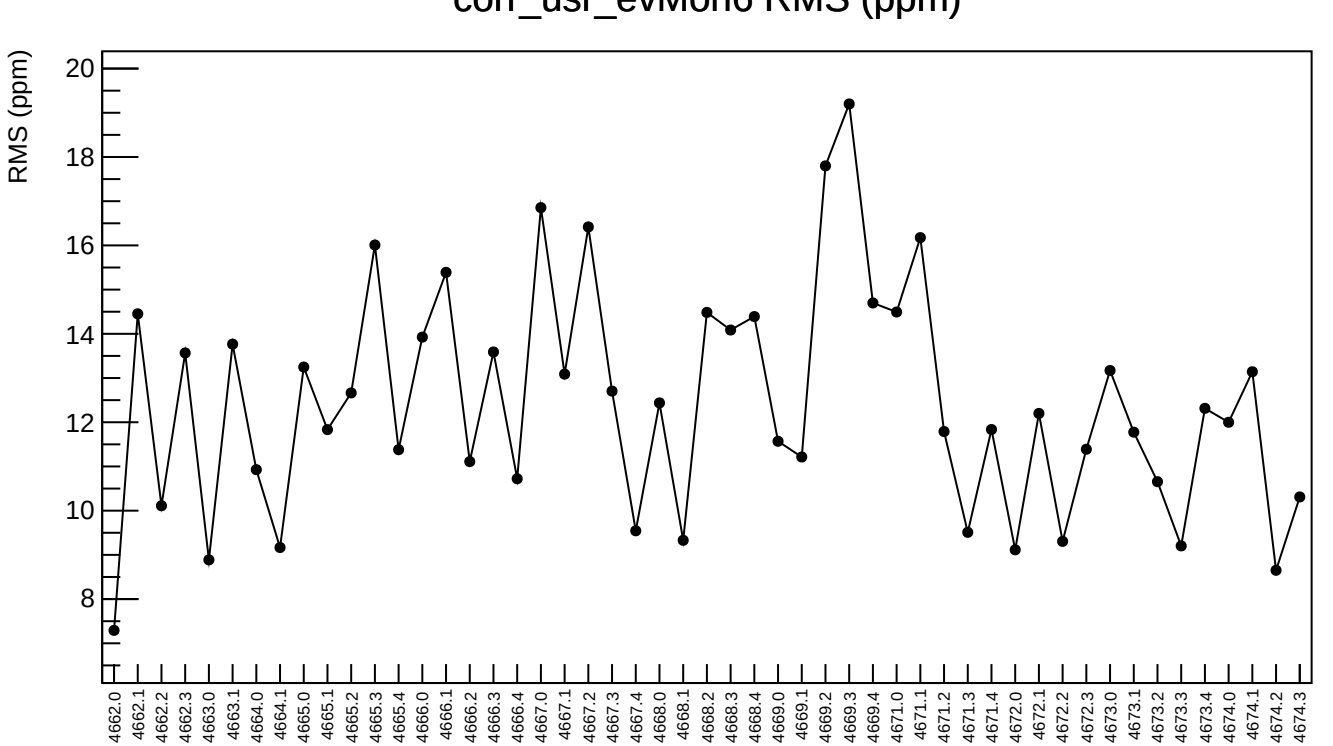

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
16
15
14
13
12
11
10
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

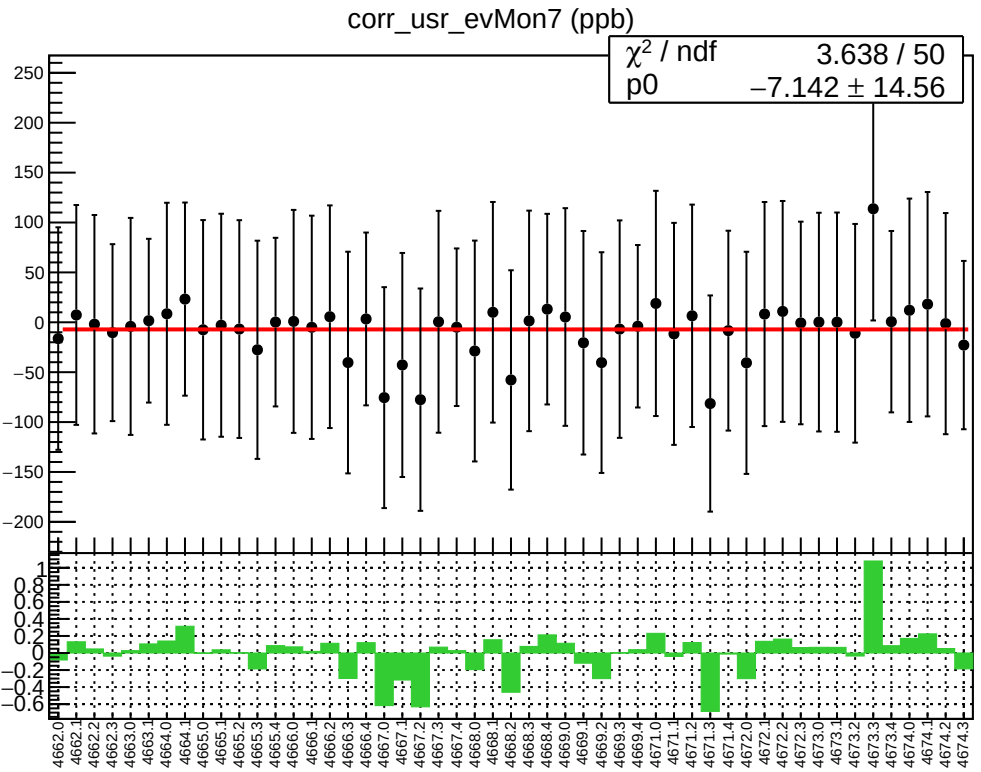

corr_usr_evMon5 (ppb)
χ² / ndf 38.95 / 50
p0 2.608 ± 7.528
200
150
100
50
0
−50
−100
−150
2
1.5
1
0.5
0
−0.5
−1
−1.5
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
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

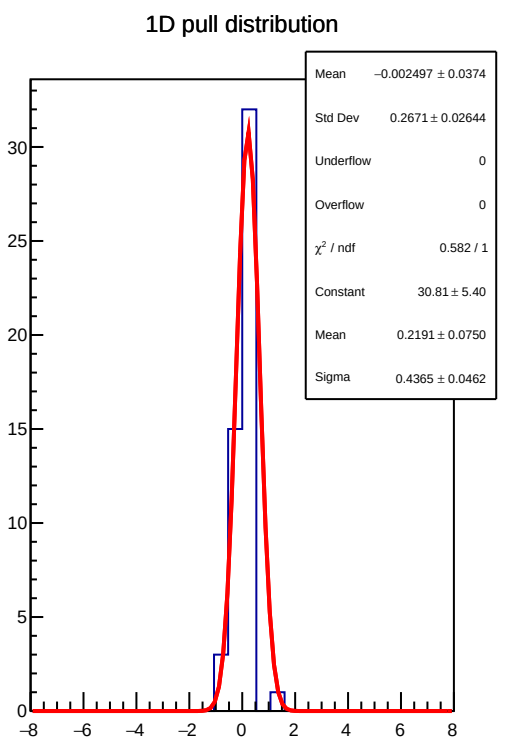

1D pull distribution
Mean −0.008516 ± 0.1224
Std Dev 0.8739 ± 0.08653
Underflow 0
Overflow 0
χ² / ndf 0.954 / 5
Constant 11.01 ± 2.00
Mean 0.05297 ± 0.17128
Sigma 1.036 ± 0.157
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

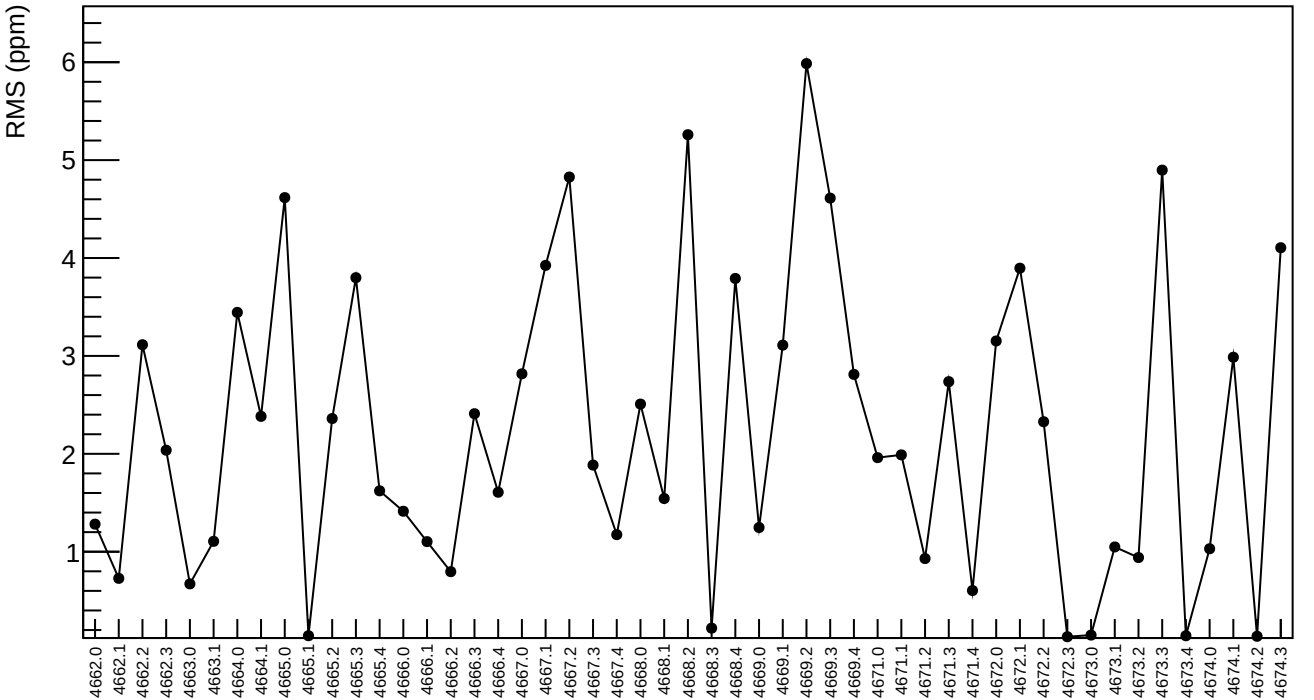

corr_usr_evMon5 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

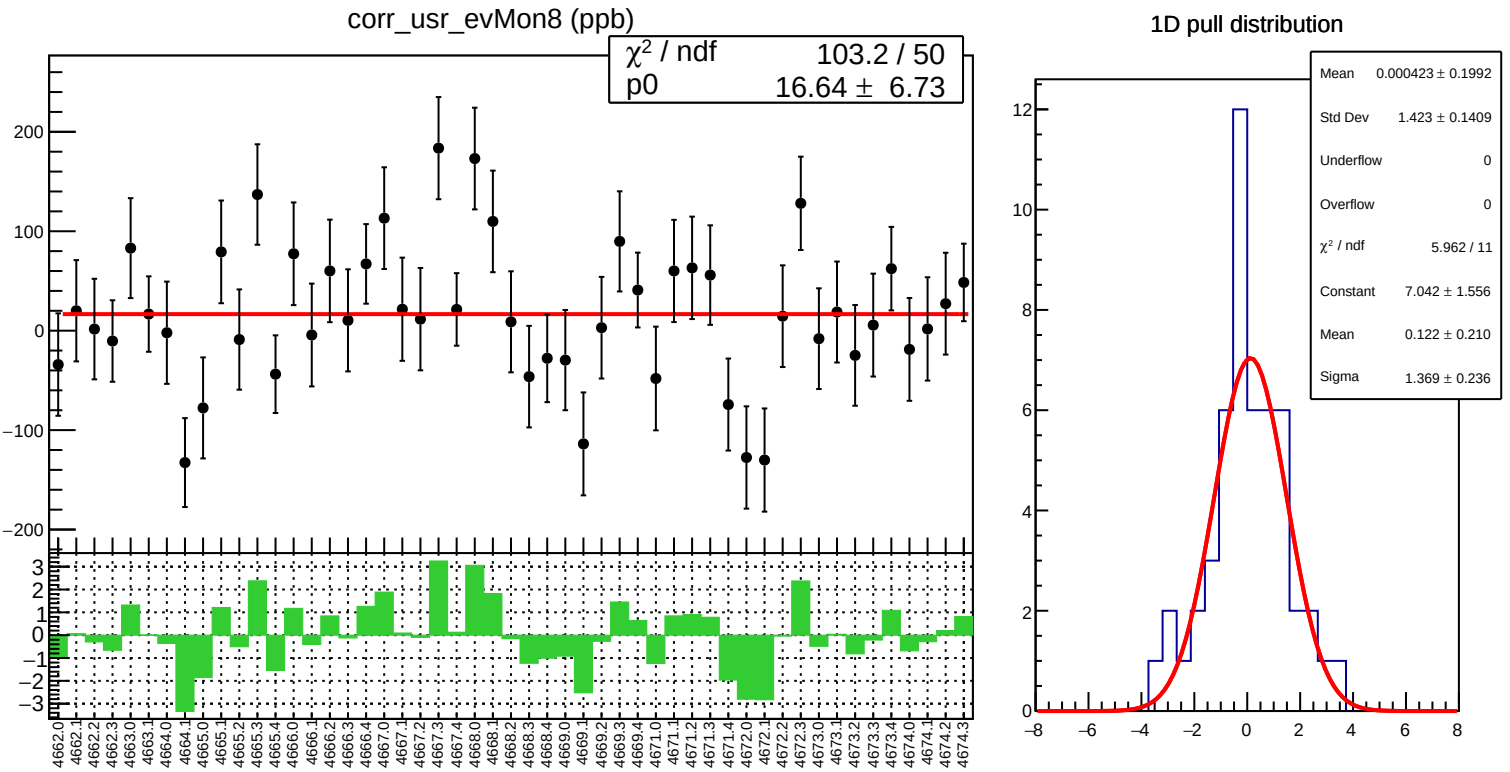

corr_usr_evMon6 (ppb)
χ² / ndf 40.73 / 50
p0 −20.61 ± 19.39
1D pull distribution
Mean −0.009214 ± 0.1251
Std Dev 0.8936 ± 0.08848
Underflow 0
Overflow 0
χ² / ndf 5.29 / 6
Constant 12.91 ± 3.05
Mean −0.05377 ± 0.12961
Sigma 0.7646 ± 0.1532

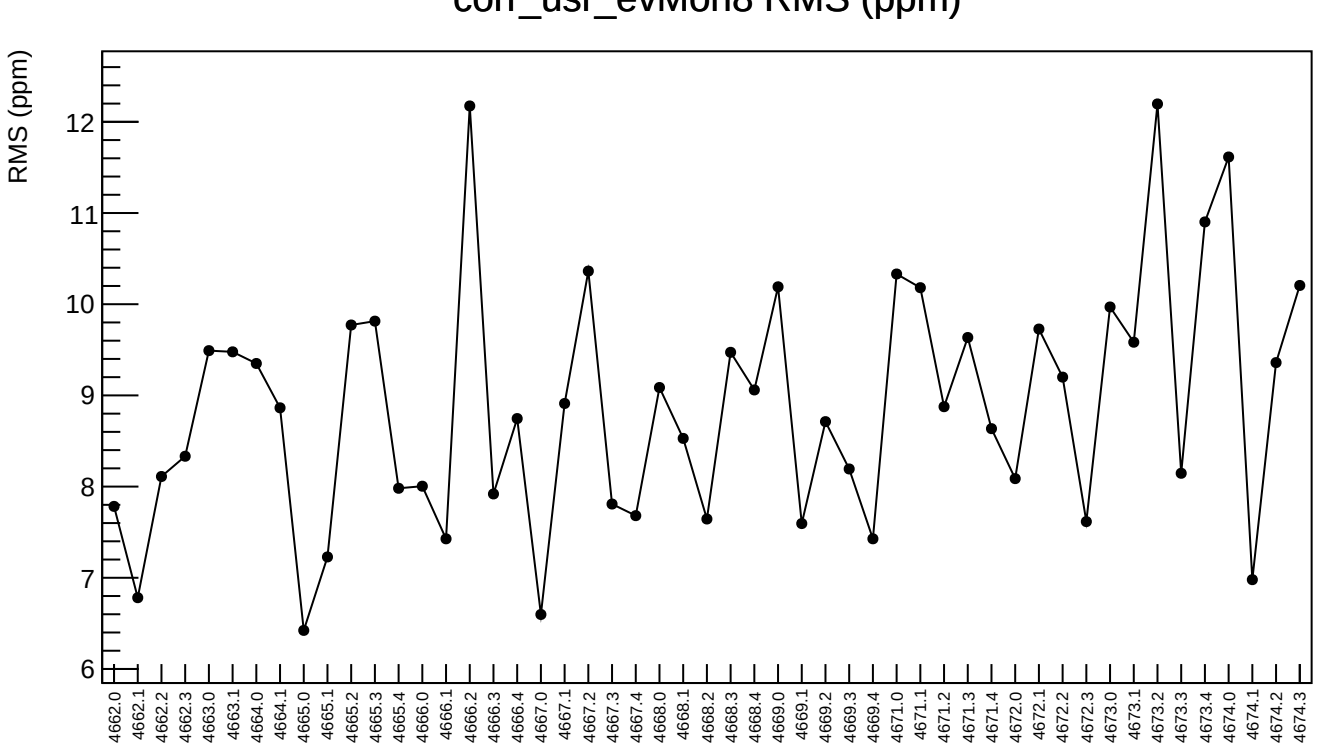

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
20
18
16
14
12
10
8
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
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

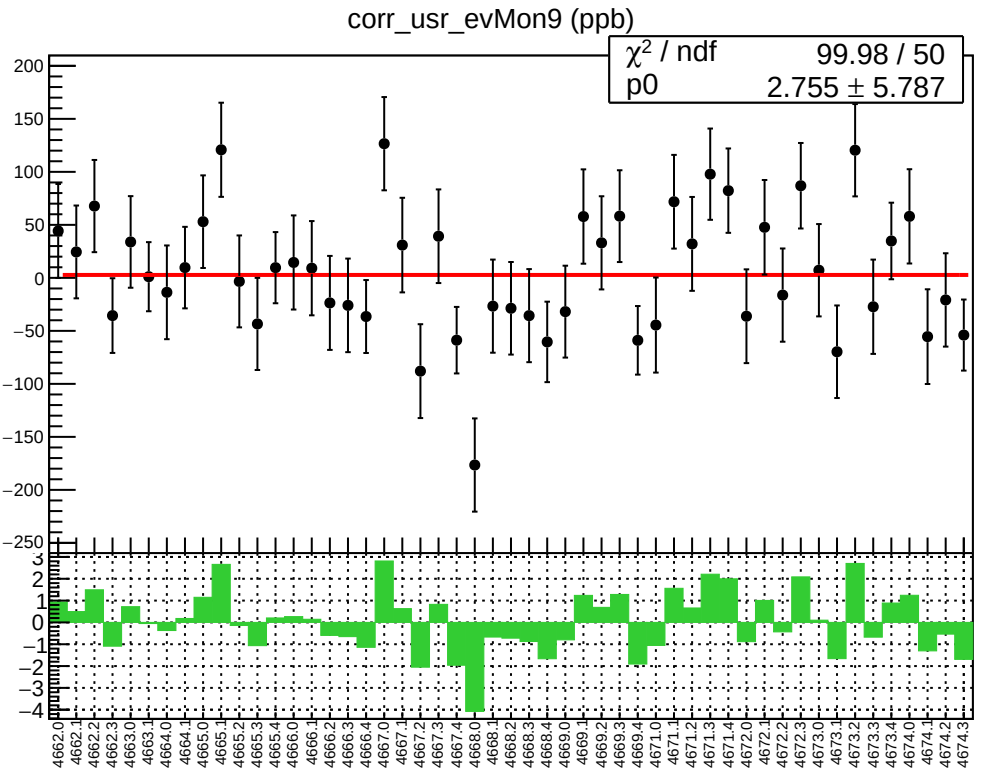

corr_usr_evMon7 (ppb)
χ² / ndf 3.638 / 50
p0 −7.142 ± 14.56

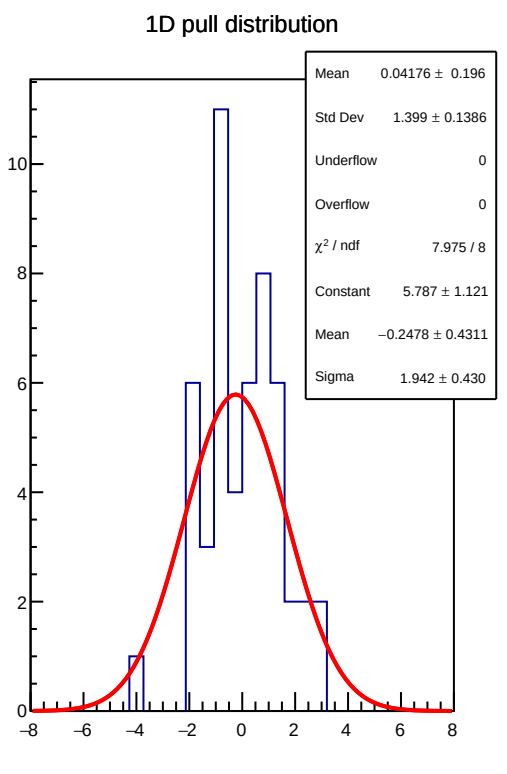

1D pull distribution
Mean −0.002497 ± 0.0374
Std Dev 0.2671 ± 0.02644
Underflow 0
Overflow 0
χ² / ndf 0.582 / 1
Constant 30.81 ± 5.40
Mean 0.2191 ± 0.0750
Sigma 0.4365 ± 0.0462

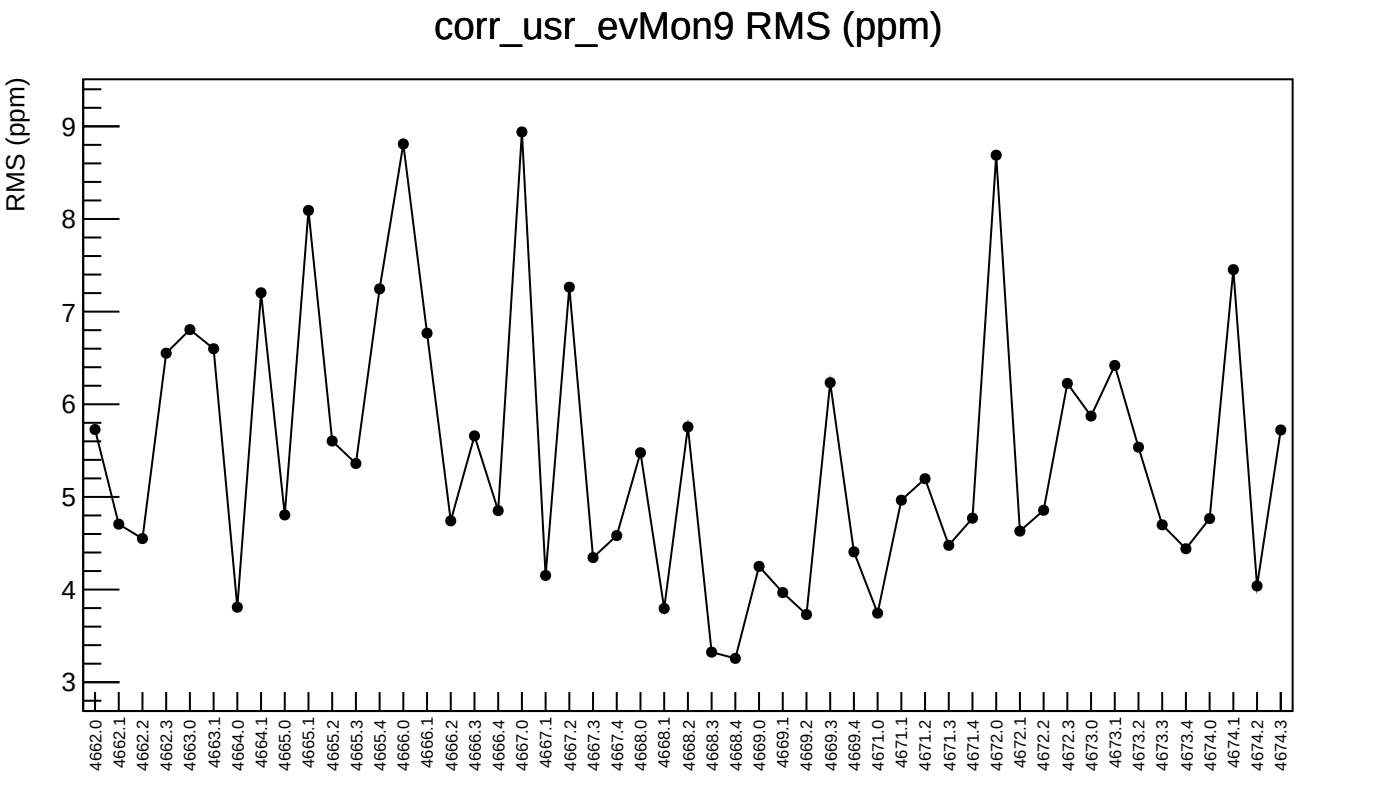

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
4671.3
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

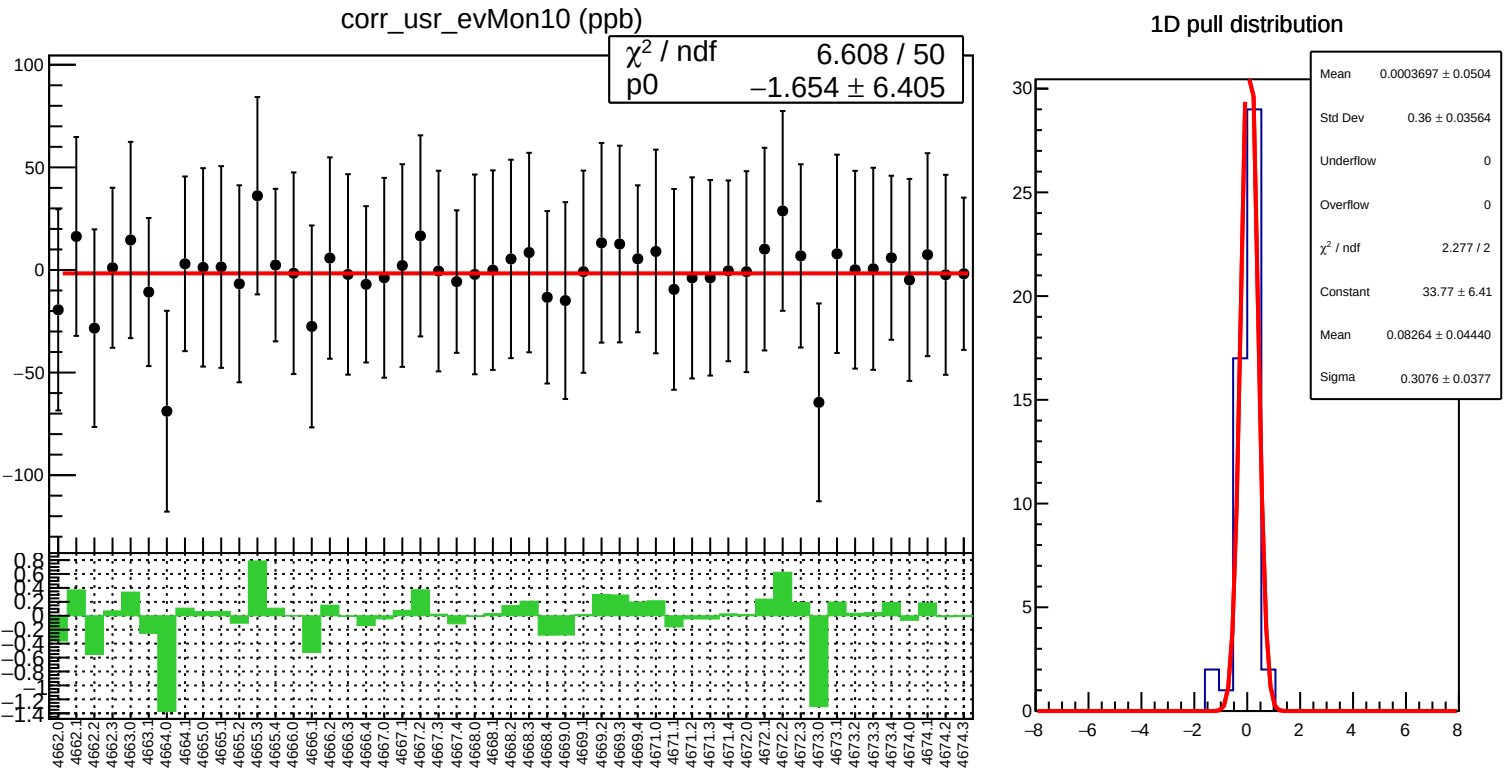

corr_usr_evMon8 (ppb)
χ² / ndf 103.2 / 50
p0 16.64 ± 6.73
1D pull distribution
Mean 0.000423 ± 0.1992
Std Dev 1.423 ± 0.1409
Underflow 0
Overflow 0
χ² / ndf 5.962 / 11
Constant 7.042 ± 1.556
Mean 0.122 ± 0.210
Sigma 1.369 ± 0.236

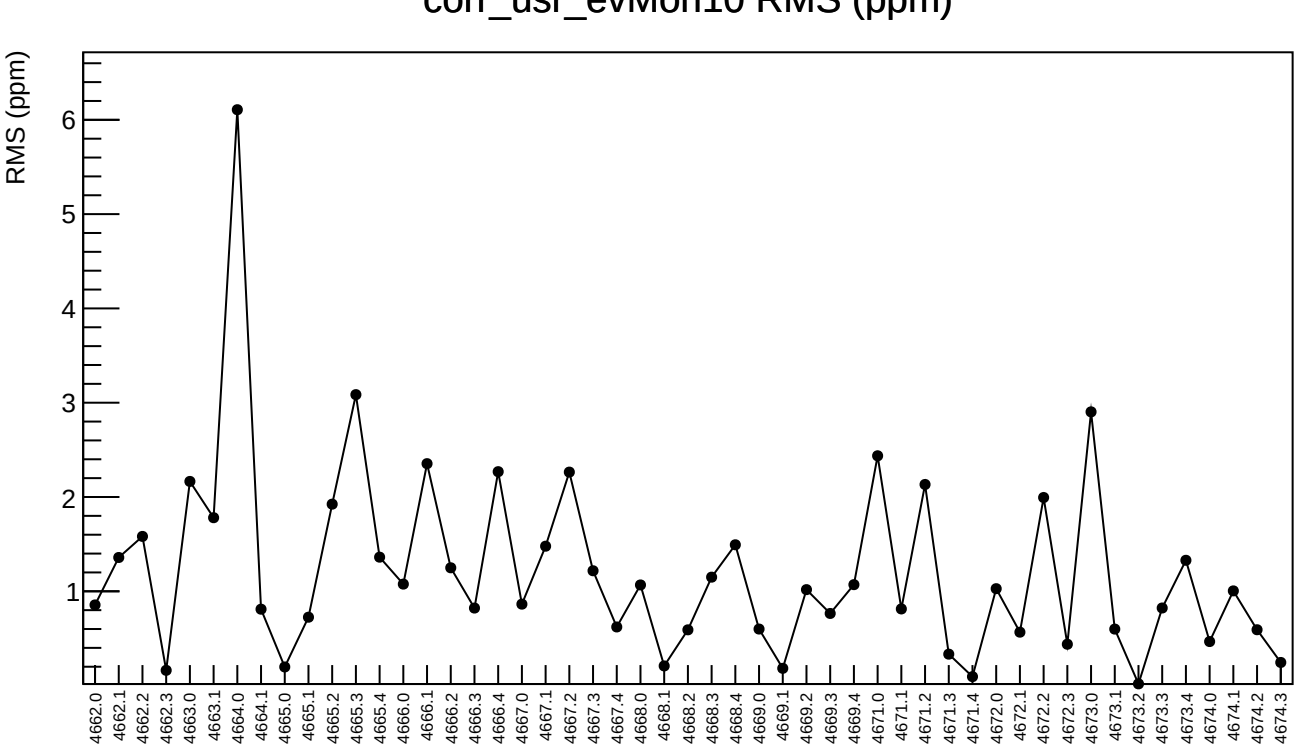

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
12
11
10
9
8
7
6
4662.0
4662.1
4662.2
4662.3
4663.0
4663.1
4664.0
4664.1
4665.0
4665.1
4665.2
4665.3
4665.4
4666.0
4666.1
4666.2
4666.3
4666.4
4667.0
4667.1
4667.2
4667.3
4667.4
4668.0
4668.1
4668.2
4668.3
4668.4
4669.0
4669.1
4669.2
4669.3
4669.4
4671.0
4671.1
4671.2
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

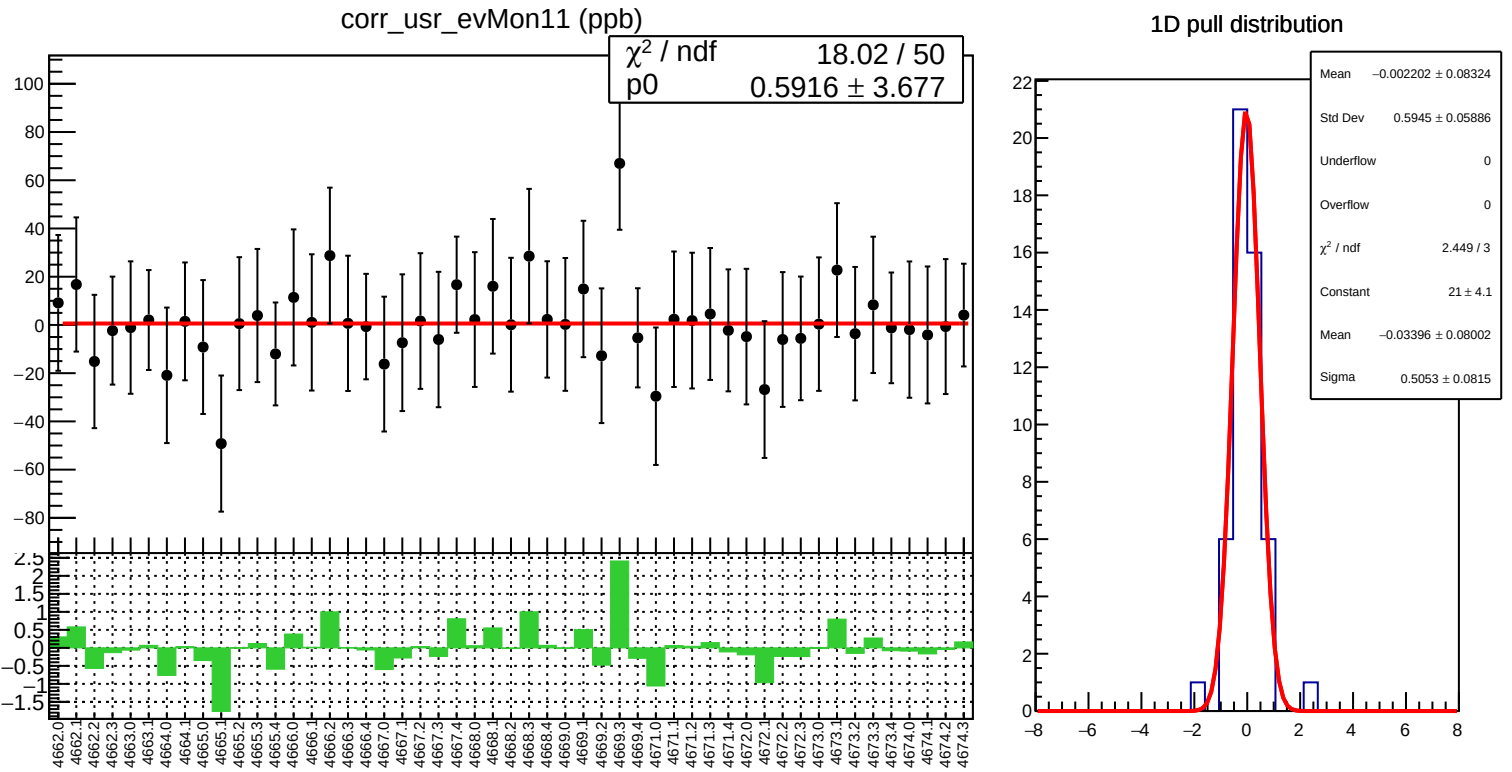

corr_usr_evMon9 (ppb)
χ² / ndf 99.98 / 50
p0 2.755 ± 5.787

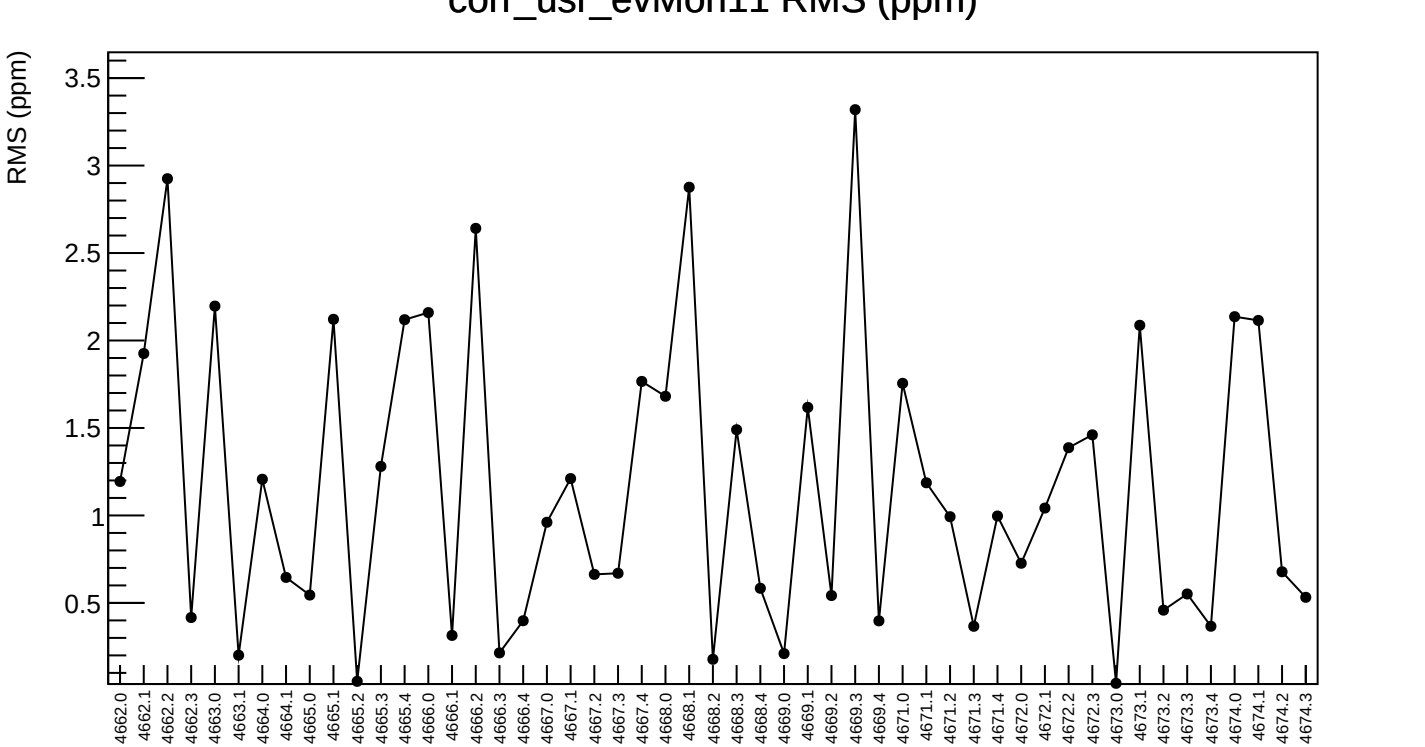

1D pull distribution
Mean 0.04176 ± 0.196
Std Dev 1.399 ± 0.1386
Underflow 0
Overflow 0
χ² / ndf 7.975 / 8
Constant 5.787 ± 1.121
Mean −0.2478 ± 0.4311
Sigma 1.942 ± 0.430


corr_usr_evMon9 RMS (ppm)
RMS (ppm)
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_usr_evMon10 (ppb)
χ² / ndf 6.608 / 50
p0 −1.654 ± 6.405
1D pull distribution
Mean 0.0003697 ± 0.0504
Std Dev 0.36 ± 0.03564
Underflow 0
Overflow 0
χ² / ndf 2.277 / 2
Constant 33.77 ± 6.41
Mean 0.08264 ± 0.04440
Sigma 0.3076 ± 0.0377


corr_usr_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_usr_evMon11 (ppb)
χ² / ndf 18.02 / 50
p0 0.5916 ± 3.677
1D pull distribution
Mean −0.002202 ± 0.08324
Std Dev 0.5945 ± 0.05886
Underflow 0
Overflow 0
χ² / ndf 2.449 / 3
Constant 21 ± 4.1
Mean −0.03396 ± 0.08002
Sigma 0.5053 ± 0.0815


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
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