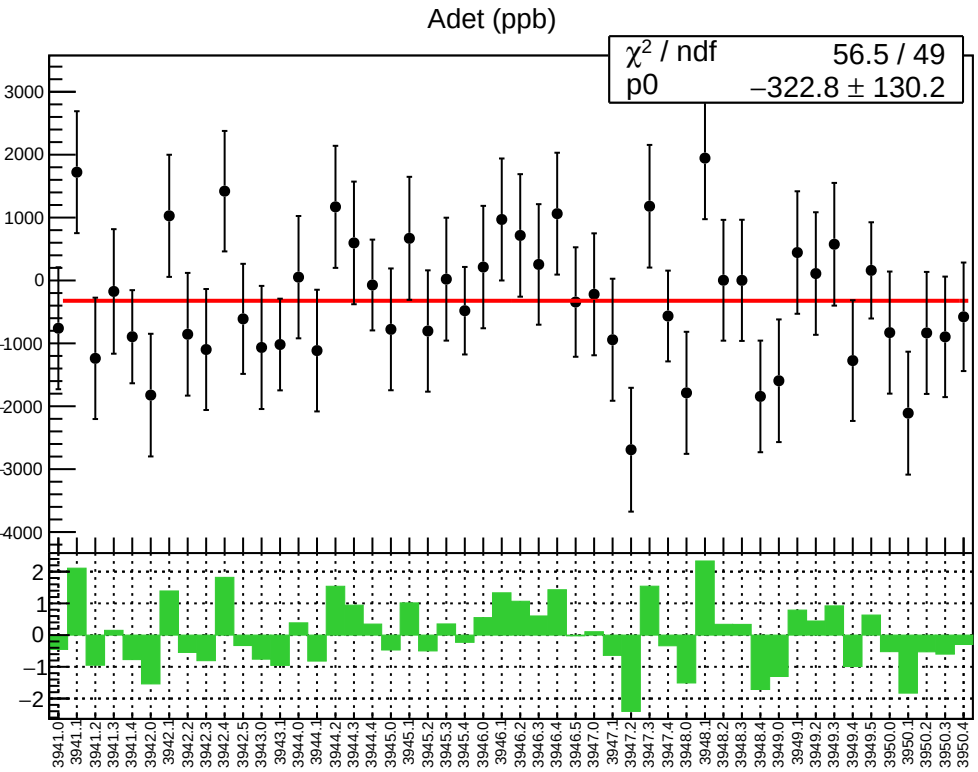
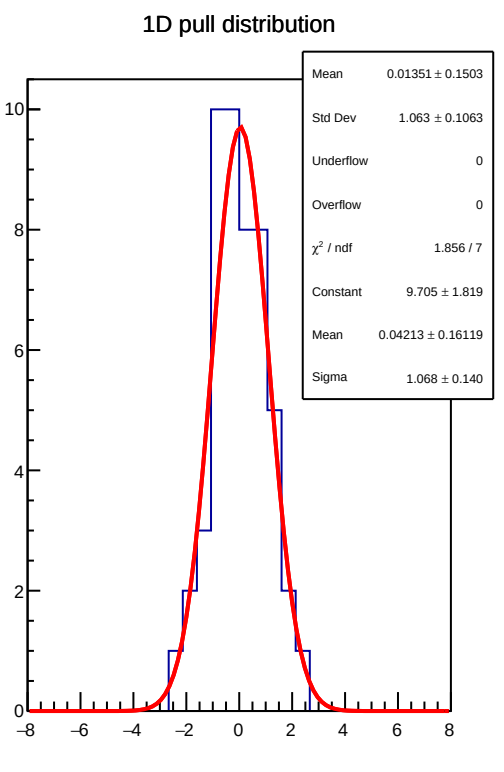
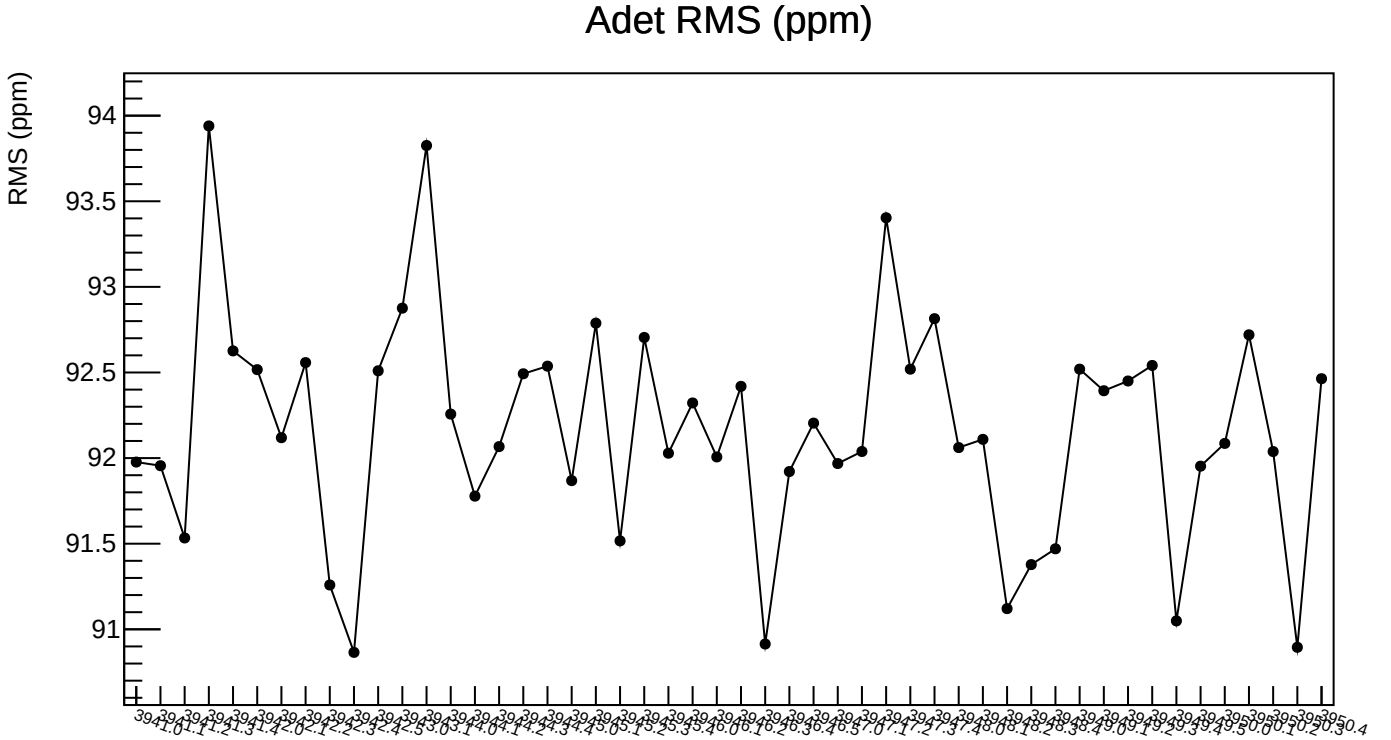
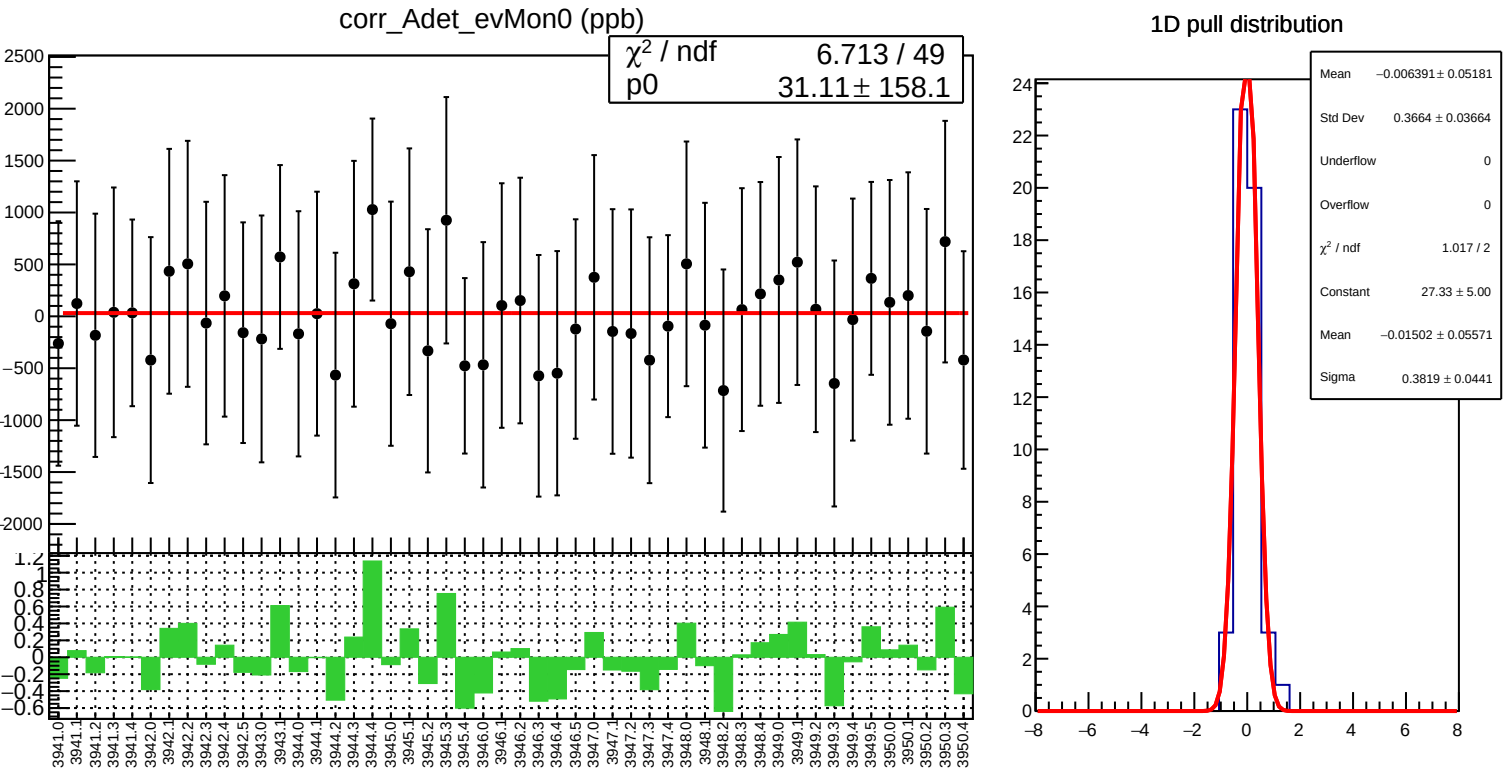
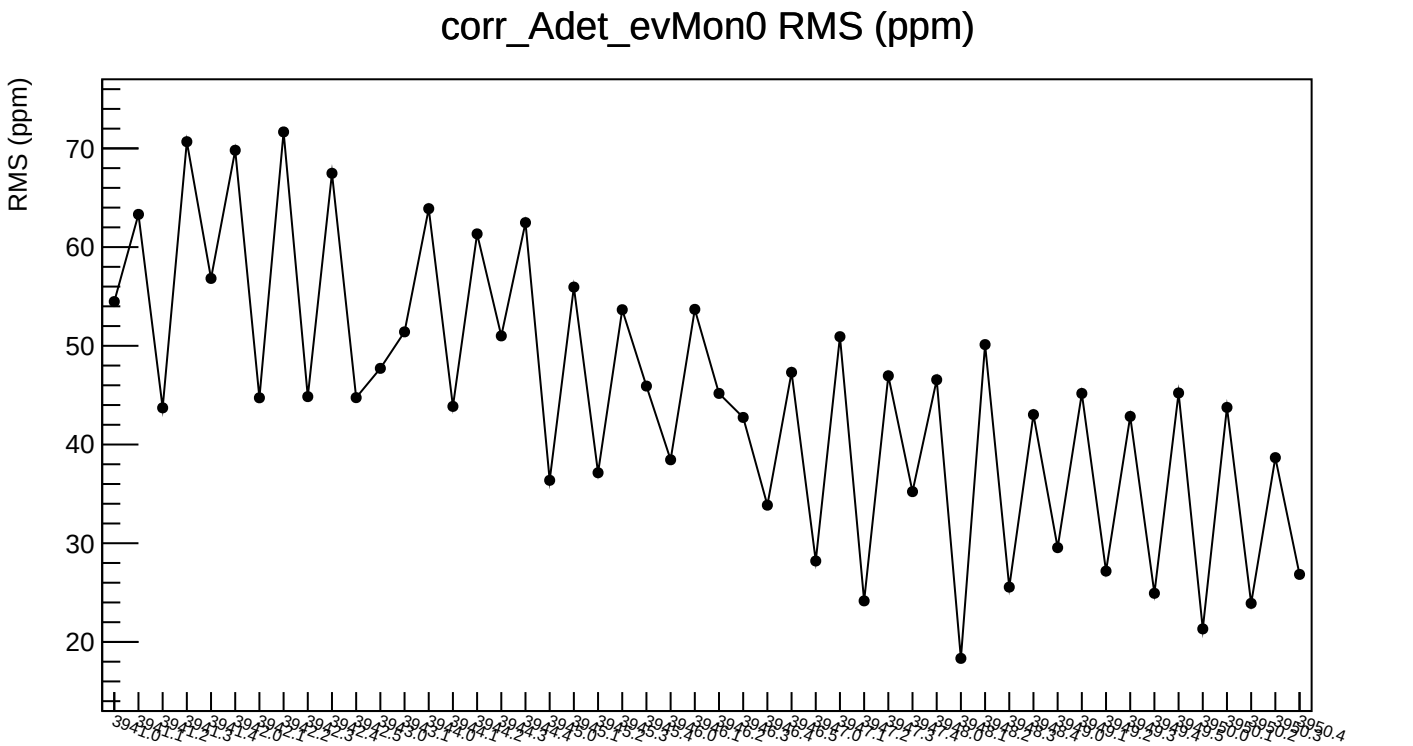
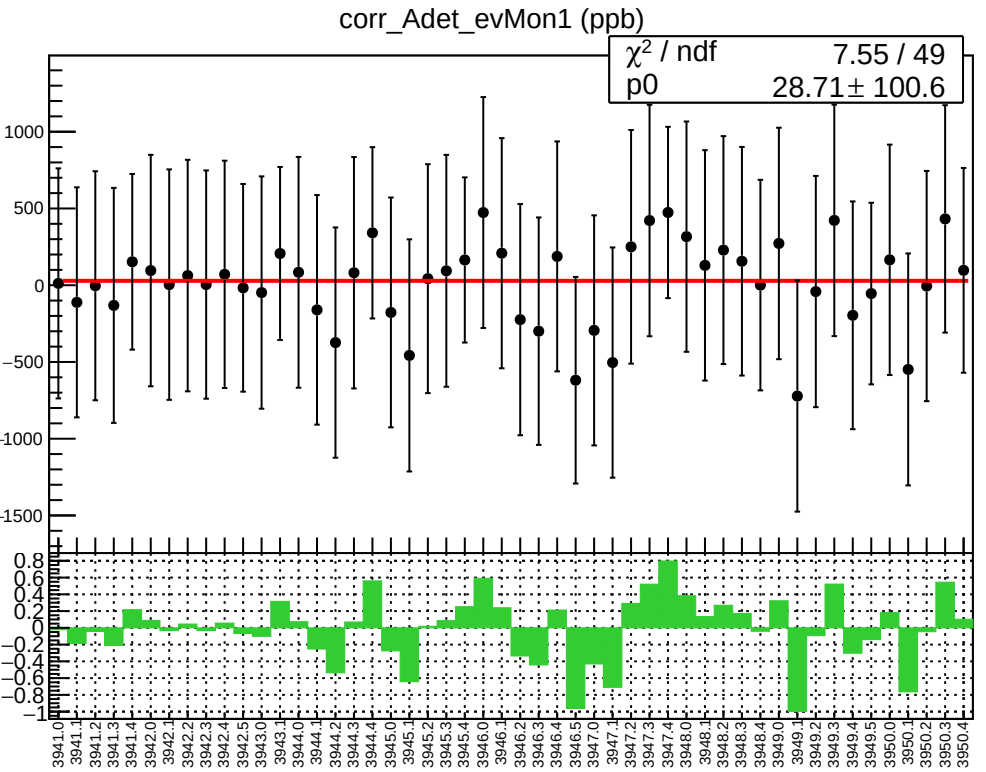

Adet (ppb)
χ² / ndf 56.5 / 49
p0 −322.8 ± 130.2
3000
2000
1000
0
-1000
-2000
-3000
-4000
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

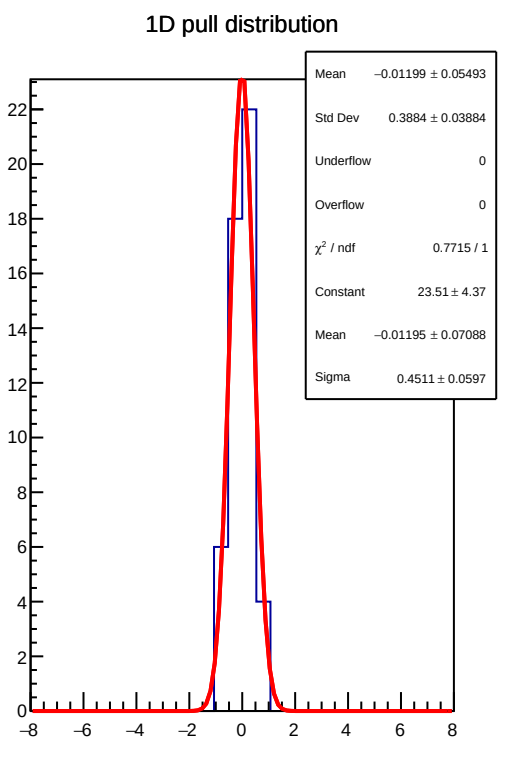

1D pull distribution
Mean 0.01351 ± 0.1503
Std Dev 1.063 ± 0.1063
Underflow 0
Overflow 0
χ² / ndf 1.856 / 7
Constant 9.705 ± 1.819
Mean 0.04213 ± 0.16119
Sigma 1.068 ± 0.140
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

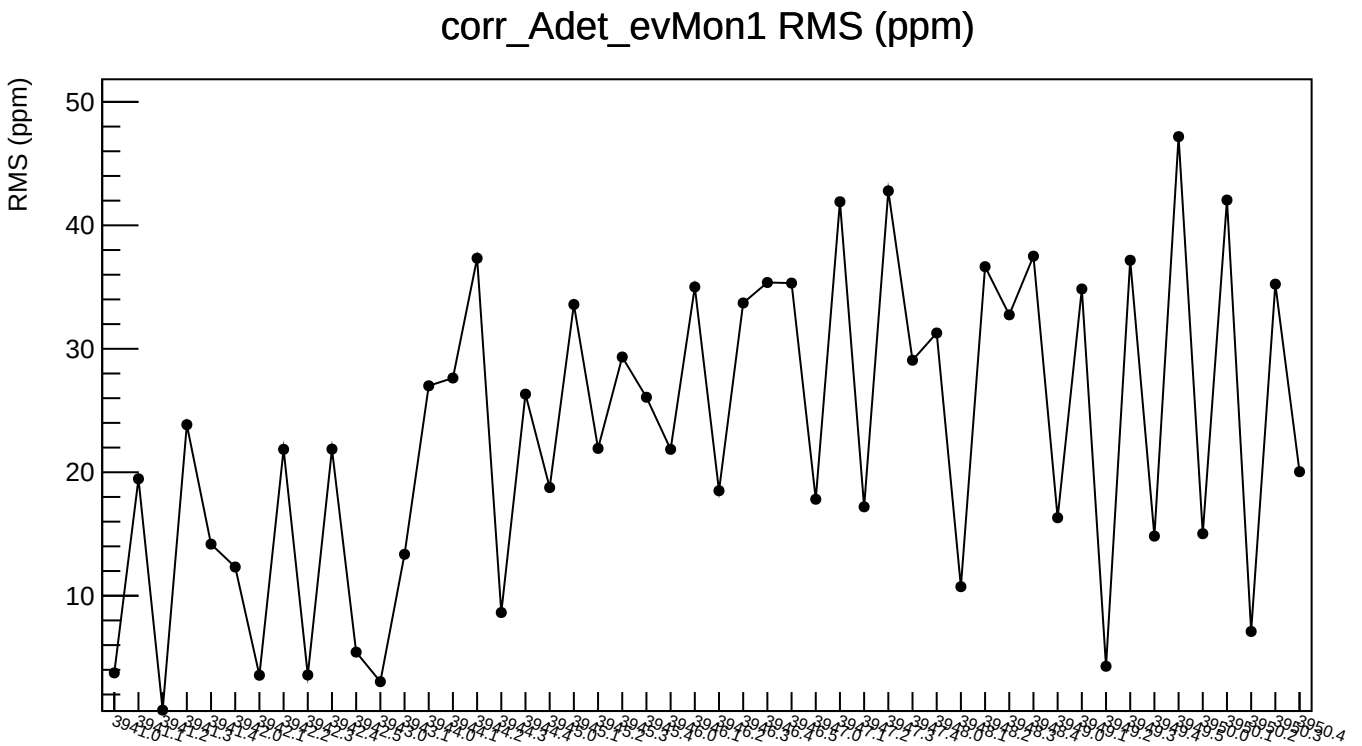

Adet RMS (ppm)
RMS (ppm)
94
93.5
93
92.5
92
91.5
91

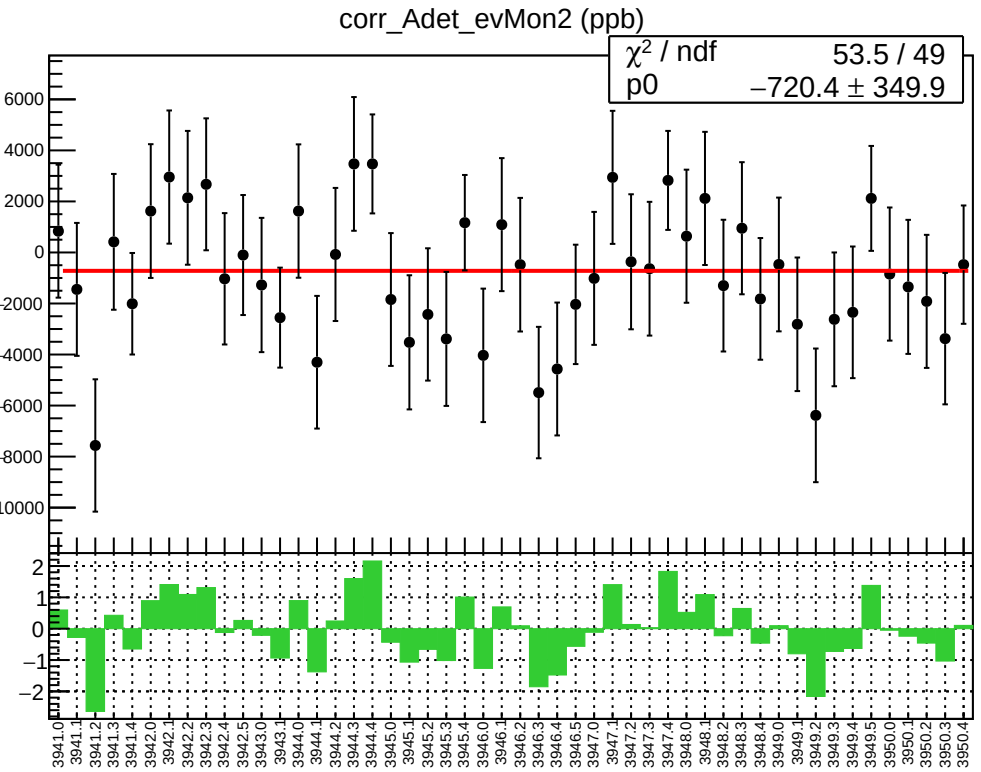

corr_Adet_evMon0 (ppb)
χ² / ndf 6.713 / 49
p0 31.11 ± 158.1
pull
1D pull distribution
Mean −0.006391 ± 0.05181
Std Dev 0.3664 ± 0.03664
Underflow 0
Overflow 0
χ² / ndf 1.017 / 2
Constant 27.33 ± 5.00
Mean −0.01502 ± 0.05571
Sigma 0.3819 ± 0.0441

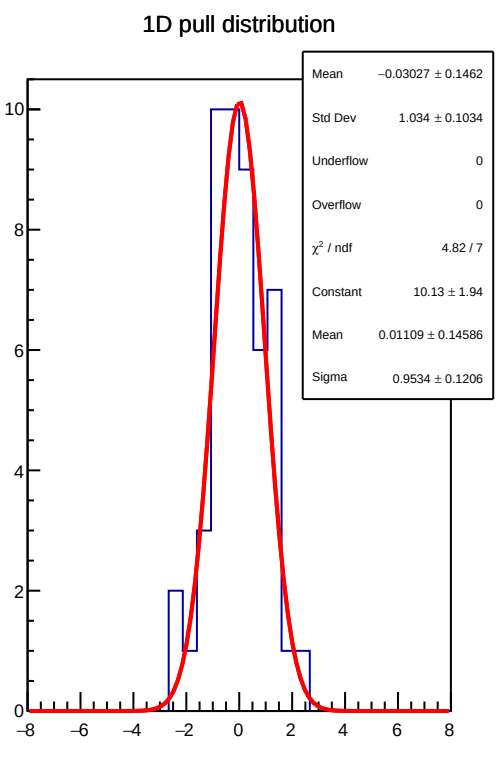

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
70
60
50
40
30
20

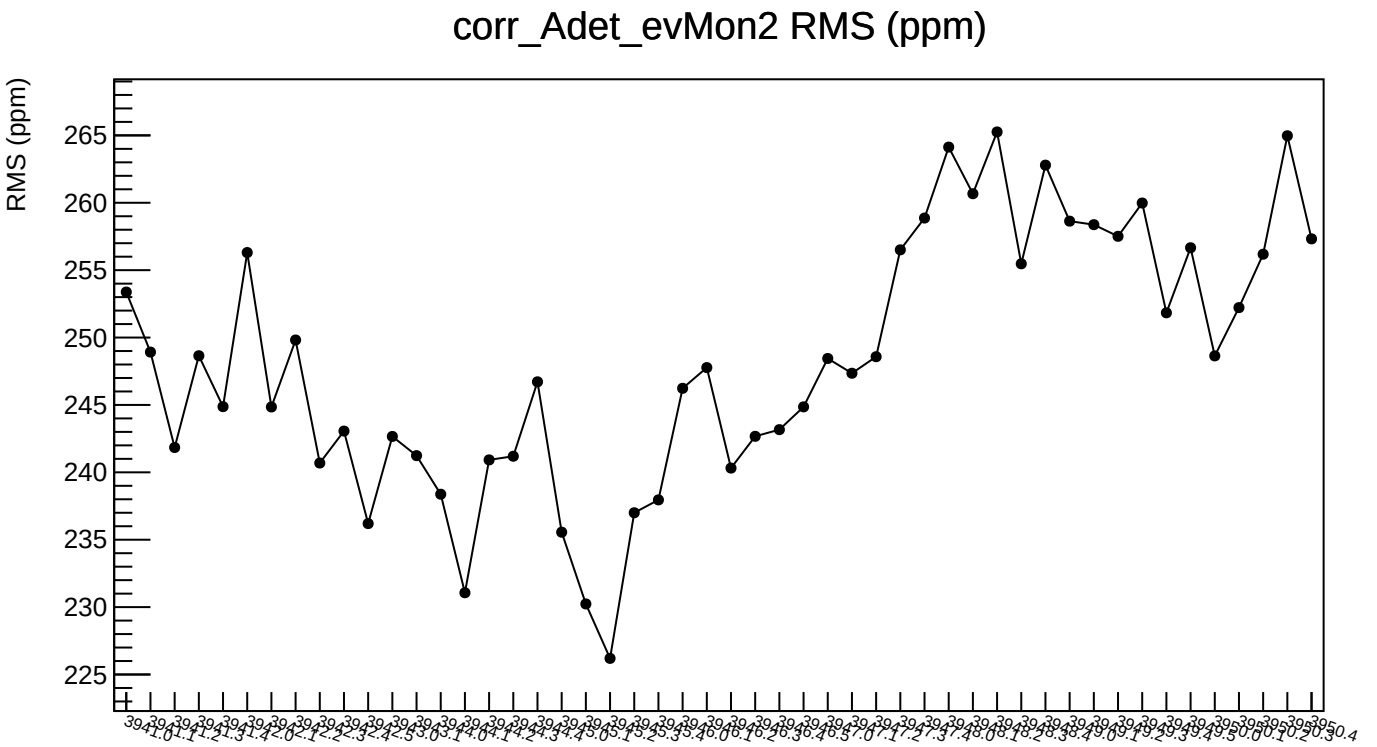

corr_Adet_evMon1 (ppb)
χ² / ndf 7.55 / 49
p0 28.71 ± 100.6
1000
500
0
−500
−1000
−1500
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

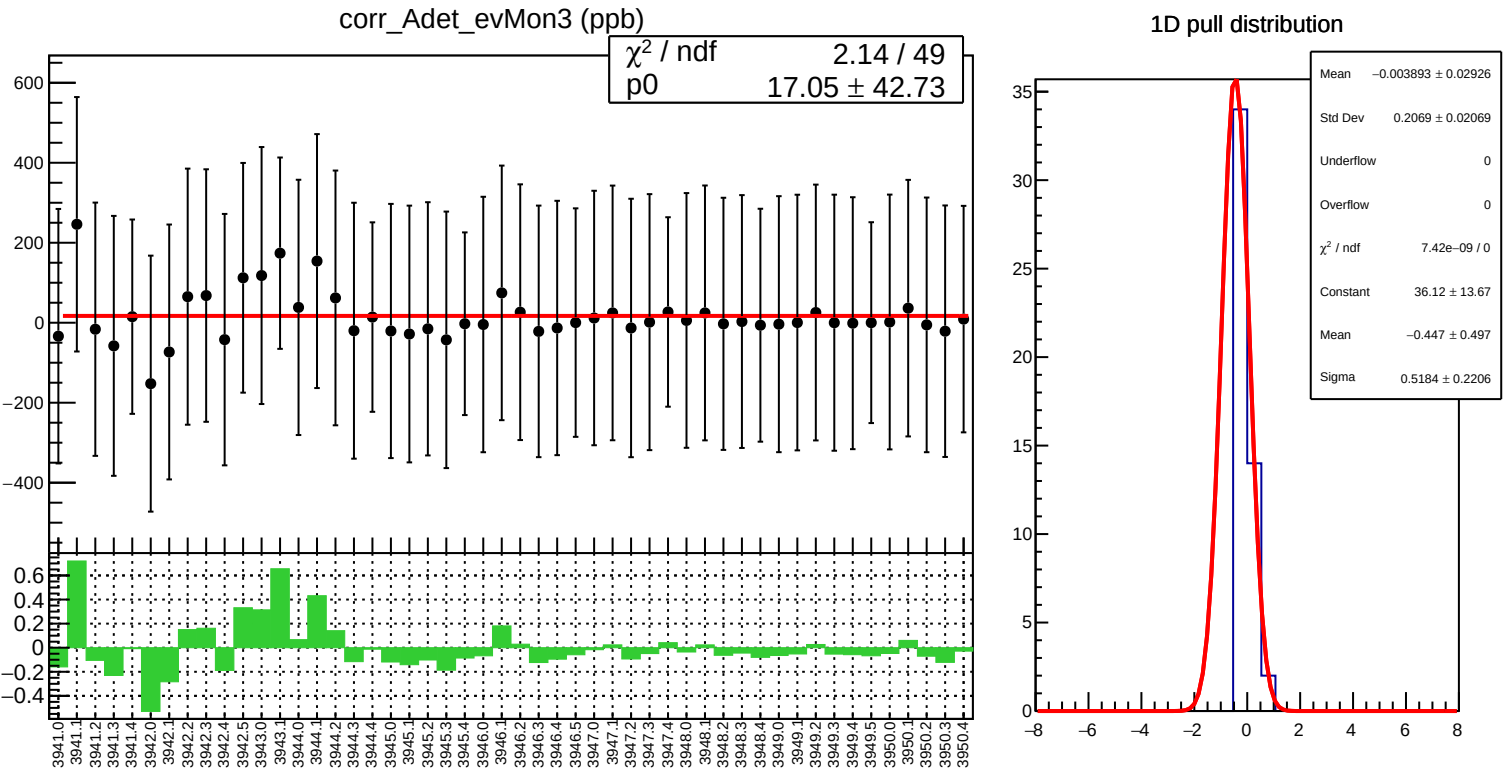

1D pull distribution
Mean −0.01199 ± 0.05493
Std Dev 0.3884 ± 0.03884
Underflow 0
Overflow 0
χ² / ndf 0.7715 / 1
Constant 23.51 ± 4.37
Mean −0.01195 ± 0.07088
Sigma 0.4511 ± 0.0597
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

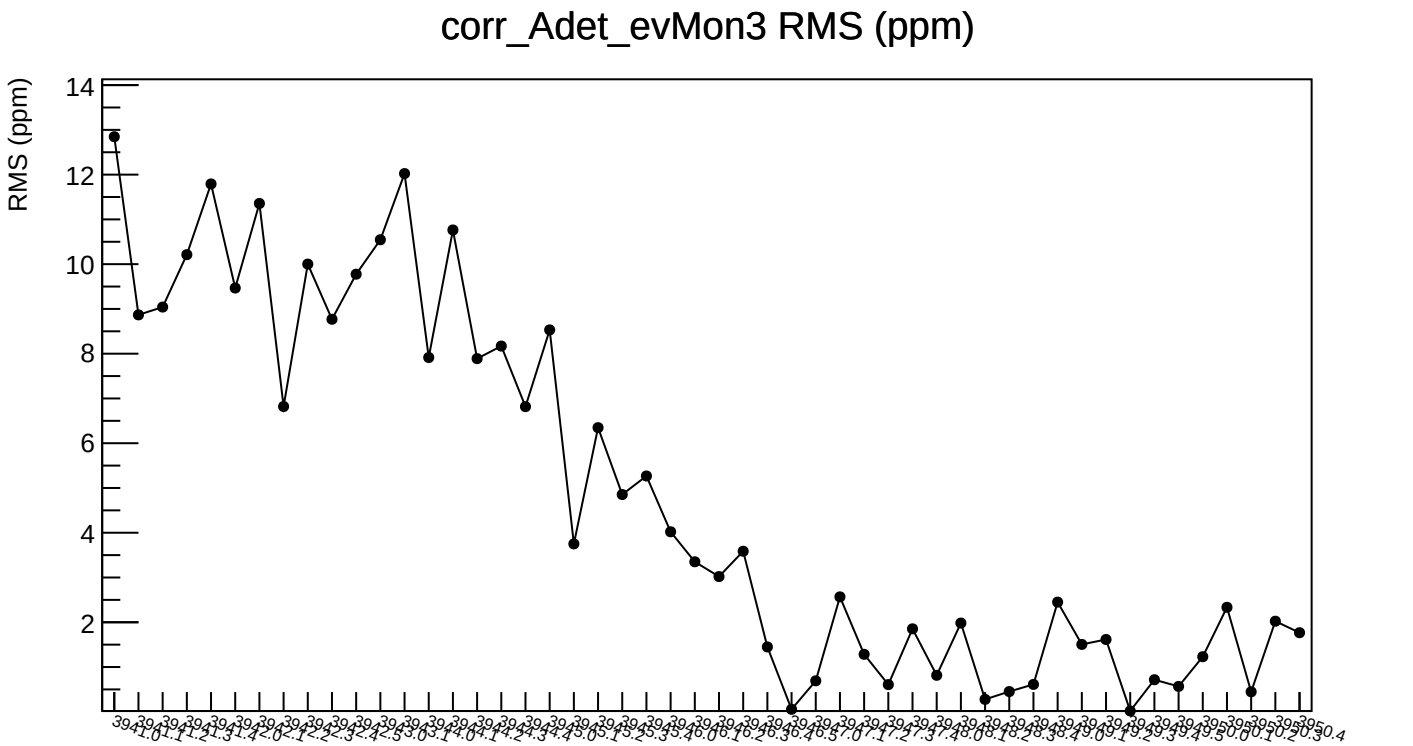

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
50
40
30
20
10

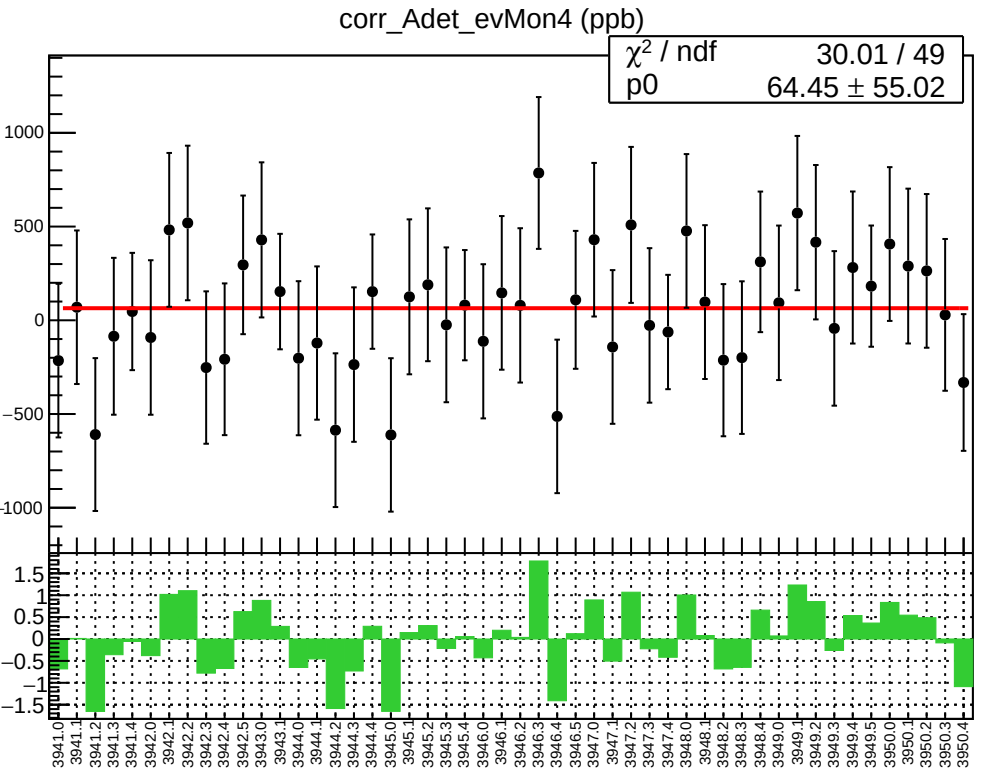

corr_Adet_evMon2 (ppb)
χ² / ndf 53.5 / 49
p0 −720.4 ± 349.9
6000
4000
2000
0
-2000
-4000
-6000
-8000
10000
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

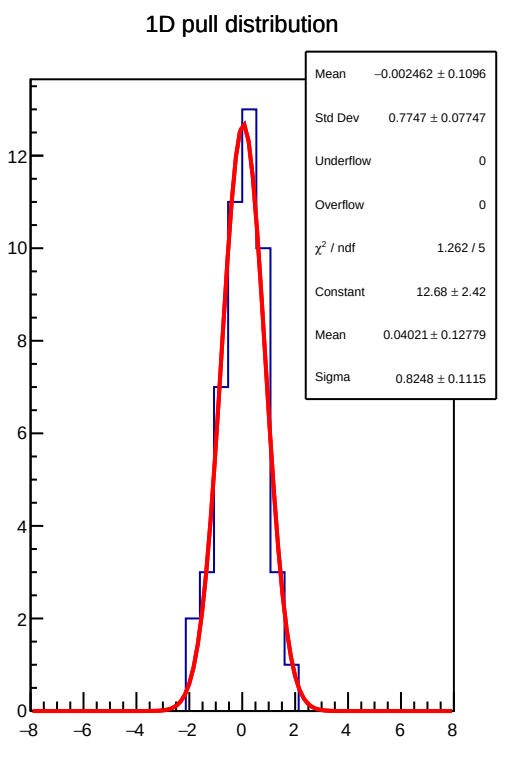

1D pull distribution
Mean −0.03027 ± 0.1462
Std Dev 1.034 ± 0.1034
Underflow 0
Overflow 0
χ² / ndf 4.82 / 7
Constant 10.13 ± 1.94
Mean 0.01109 ± 0.14586
Sigma 0.9534 ± 0.1206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

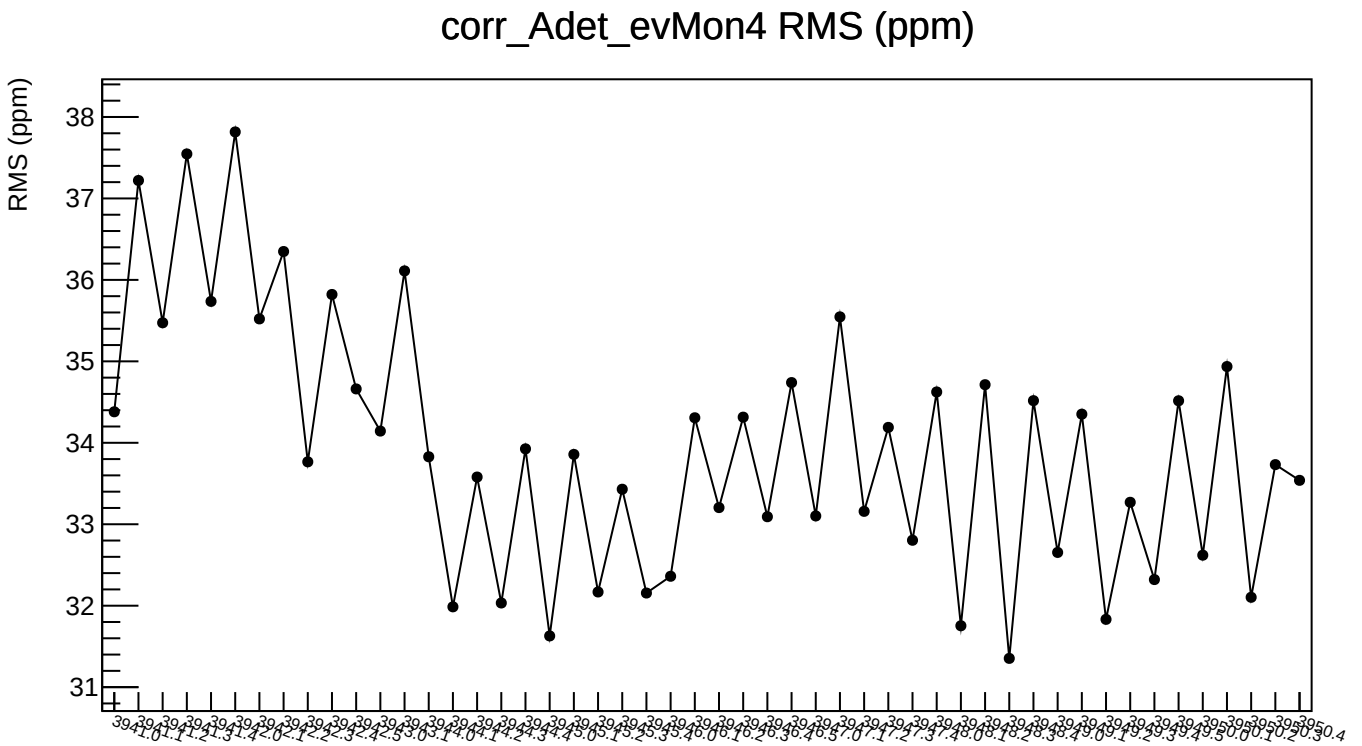

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
265
260
255
250
245
240
235
230
225

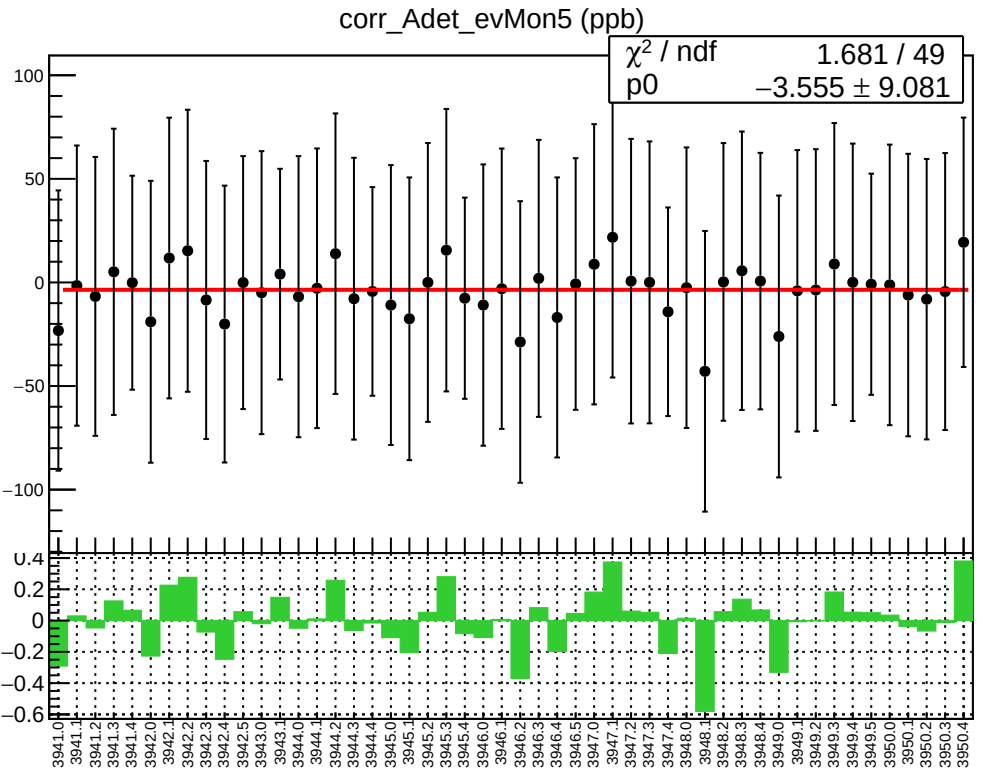

corr_Adet_evMon3 (ppb)
χ² / ndf 2.14 / 49
p0 17.05 ± 42.73
1D pull distribution
Mean −0.003893 ± 0.02926
Std Dev 0.2069 ± 0.02069
Underflow 0
Overflow 0
χ² / ndf 7.42e−09 / 0
Constant 36.12 ± 13.67
Mean −0.447 ± 0.497
Sigma 0.5184 ± 0.2206

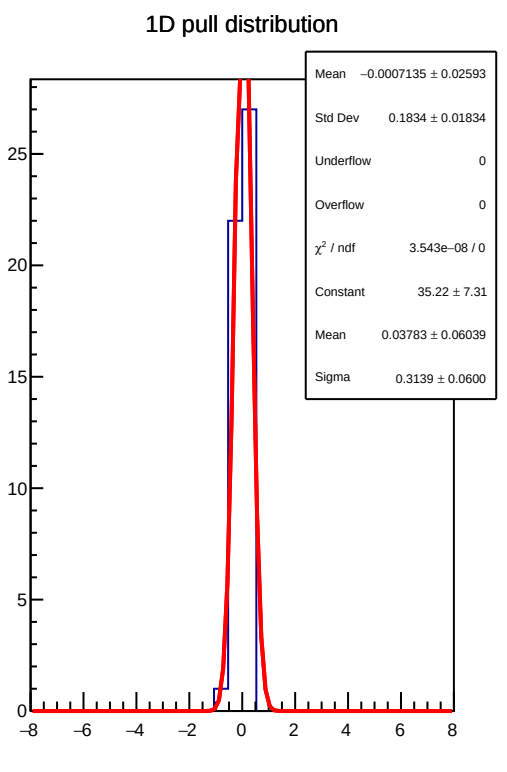

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
2

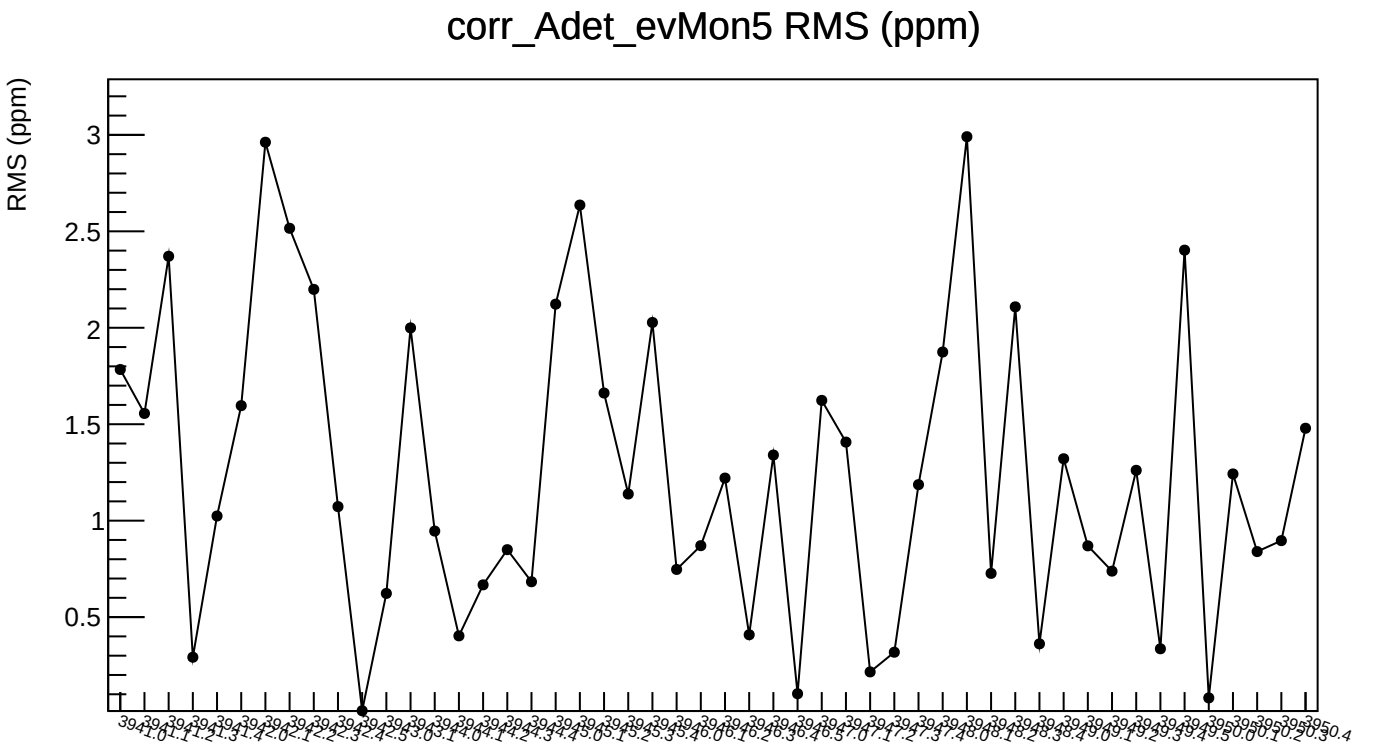

corr_Adet_evMon4 (ppb)
χ² / ndf 30.01 / 49
p0 64.45 ± 55.02
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

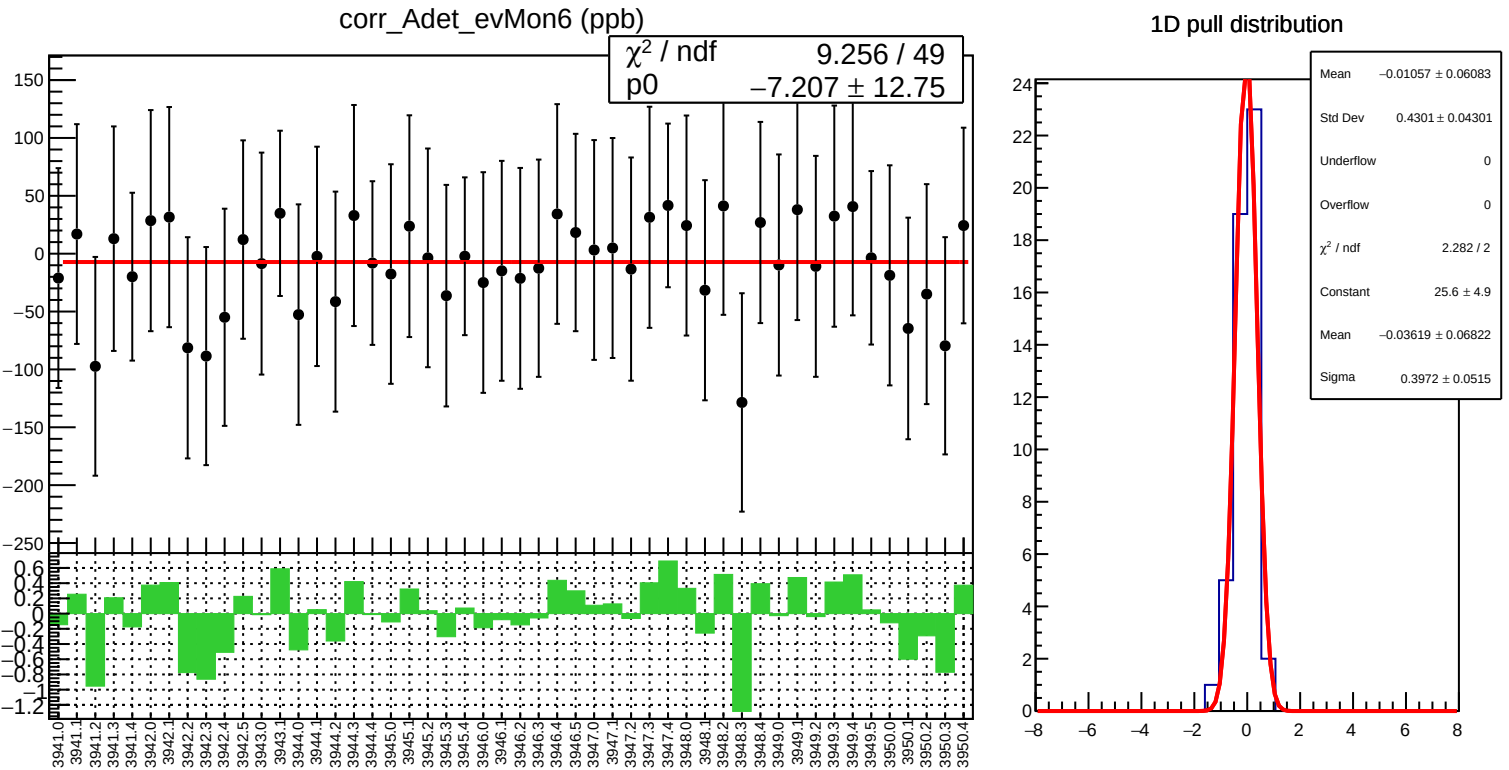

1D pull distribution
Mean −0.002462 ± 0.1096
Std Dev 0.7747 ± 0.07747
Underflow 0
Overflow 0
χ² / ndf 1.262 / 5
Constant 12.68 ± 2.42
Mean 0.04021 ± 0.12779
Sigma 0.8248 ± 0.1115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

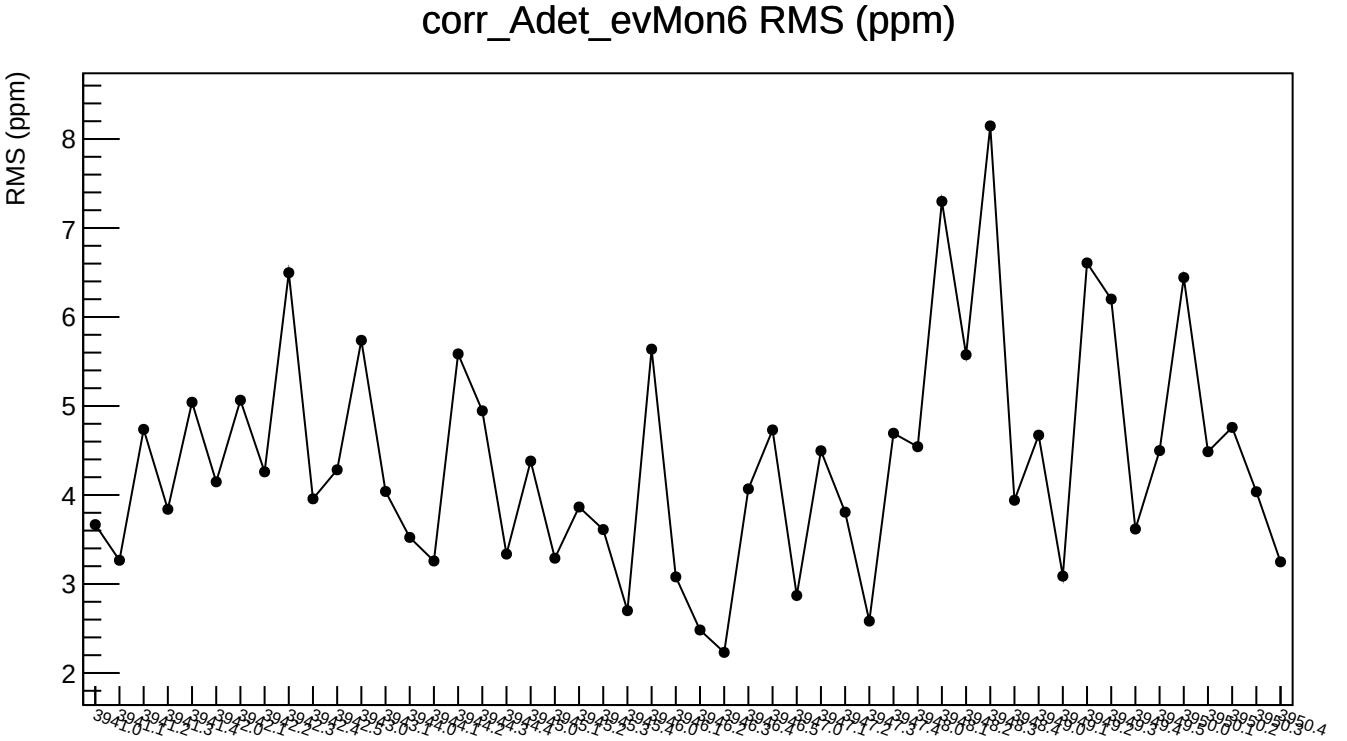

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
38
37
36
35
34
33
32
31

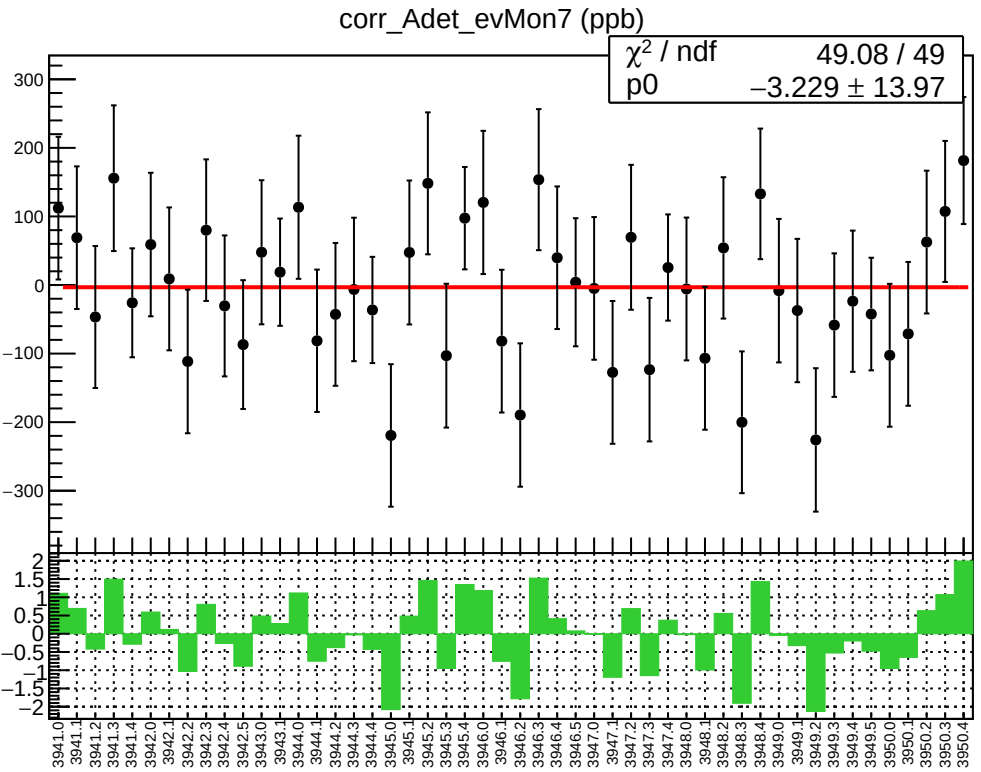

corr_Adet_evMon5 (ppb)
χ² / ndf 1.681 / 49
p0 −3.555 ± 9.081
100
50
0
−50
−100
0.4
0.2
0
−0.2
−0.4
−0.6
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

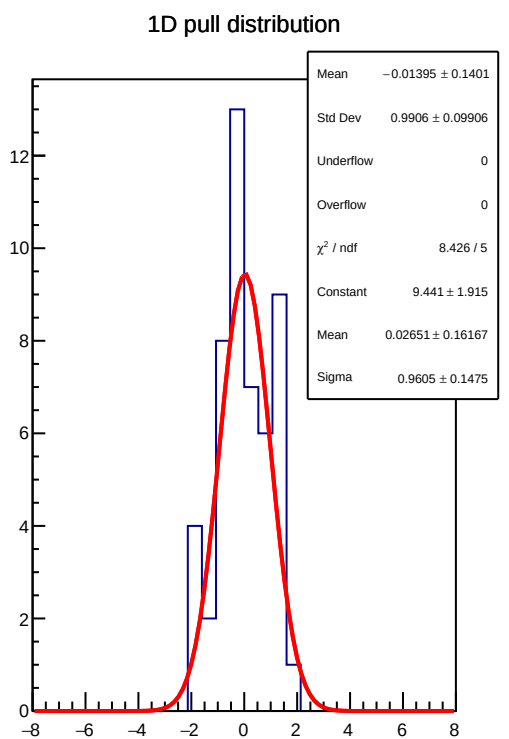

1D pull distribution
Mean −0.0007135 ± 0.02593
Std Dev 0.1834 ± 0.01834
Underflow 0
Overflow 0
χ² / ndf 3.543e−08 / 0
Constant 35.22 ± 7.31
Mean 0.03783 ± 0.06039
Sigma 0.3139 ± 0.0600
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

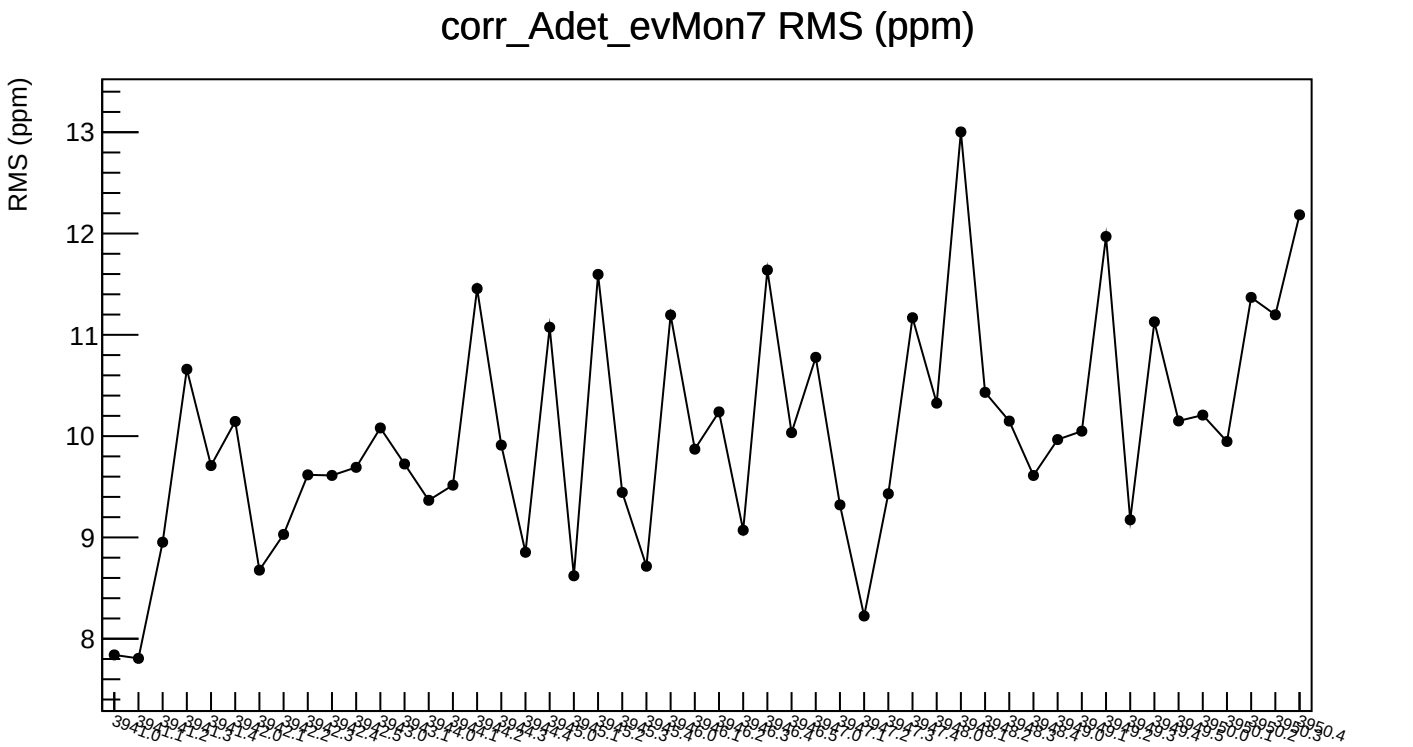

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
3
2.5
2
1.5
1
0.5

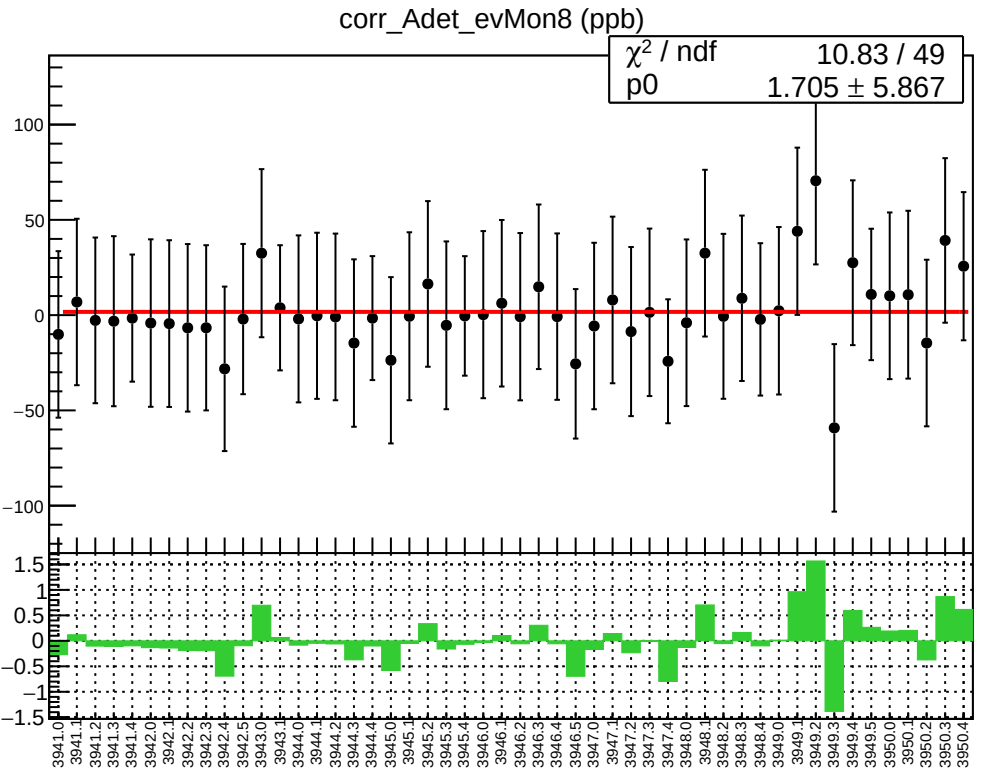

corr_Adet_evMon6 (ppb)
χ² / ndf 9.256 / 49
p0 −7.207 ± 12.75
150
100
50
0
−50
−100
−150
−200
−250
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4
1D pull distribution
Mean −0.01057 ± 0.06083
Std Dev 0.4301 ± 0.04301
Underflow 0
Overflow 0
χ² / ndf 2.282 / 2
Constant 25.6 ± 4.9
Mean −0.03619 ± 0.06822
Sigma 0.3972 ± 0.0515
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

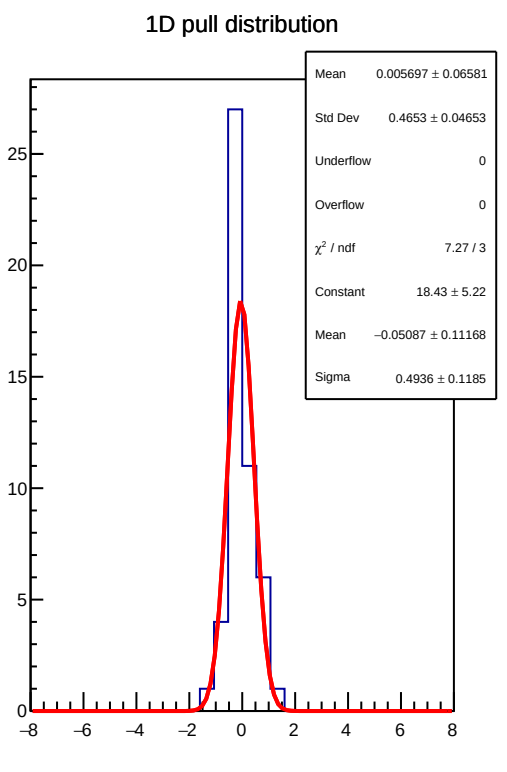

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
2

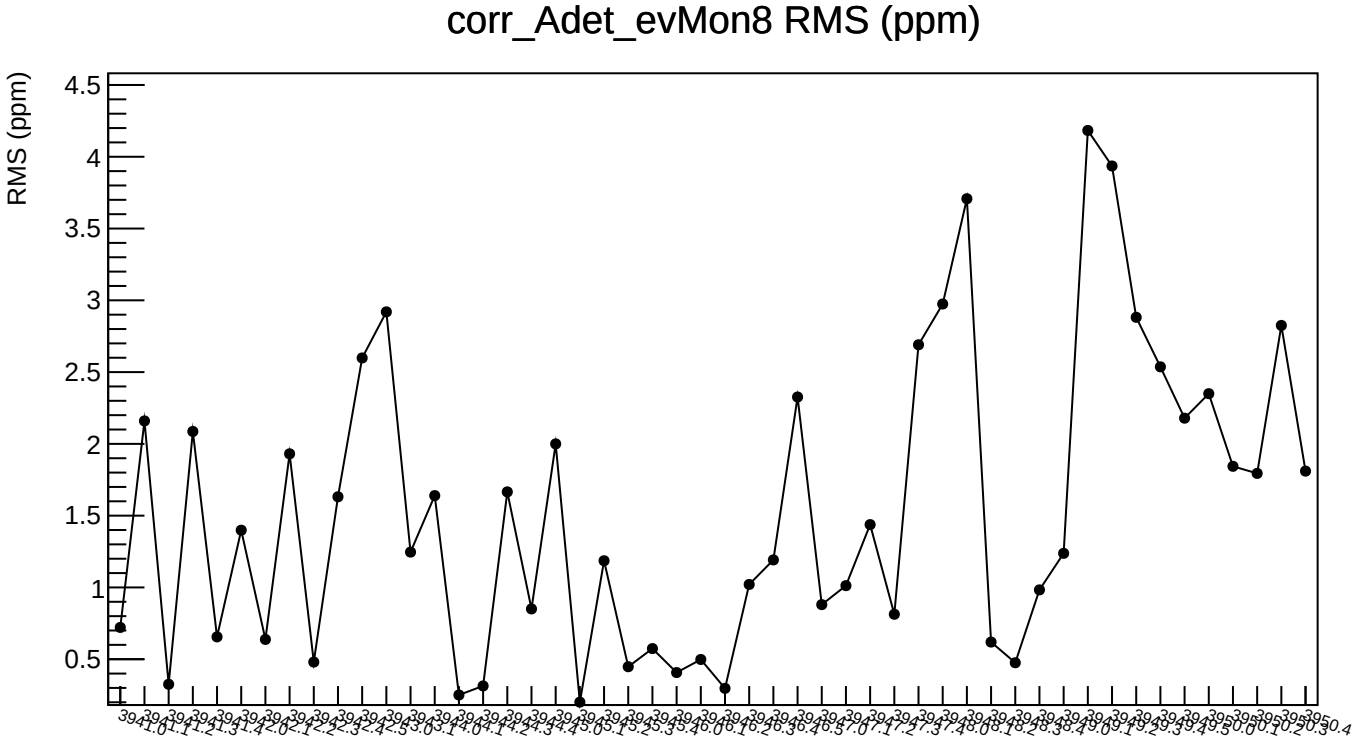

corr_Adet_evMon7 (ppb)
χ² / ndf 49.08 / 49
p0 −3.229 ± 13.97

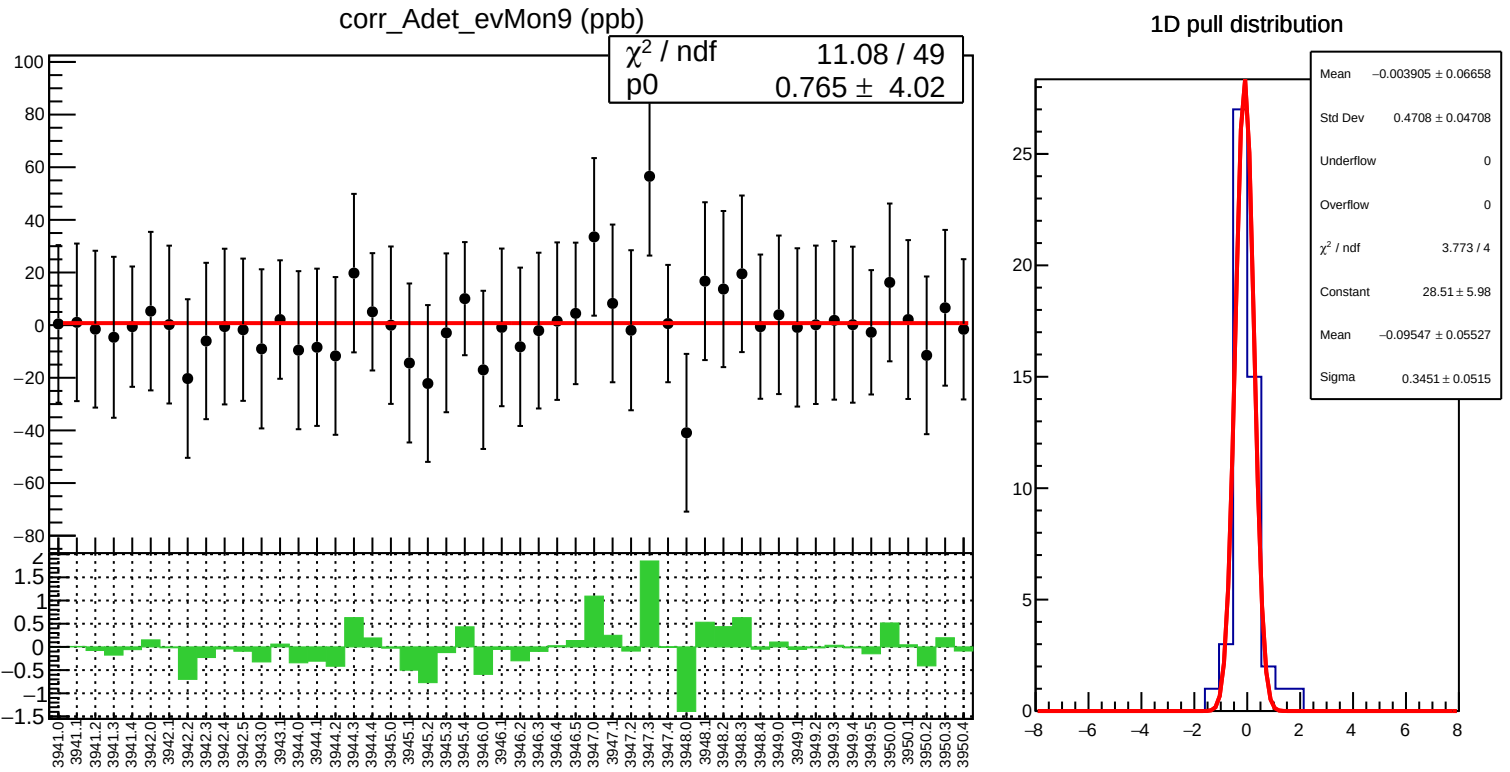

1D pull distribution
Mean −0.01395 ± 0.1401
Std Dev 0.9906 ± 0.09906
Underflow 0
Overflow 0
χ² / ndf 8.426 / 5
Constant 9.441 ± 1.915
Mean 0.02651 ± 0.16167
Sigma 0.9605 ± 0.1475

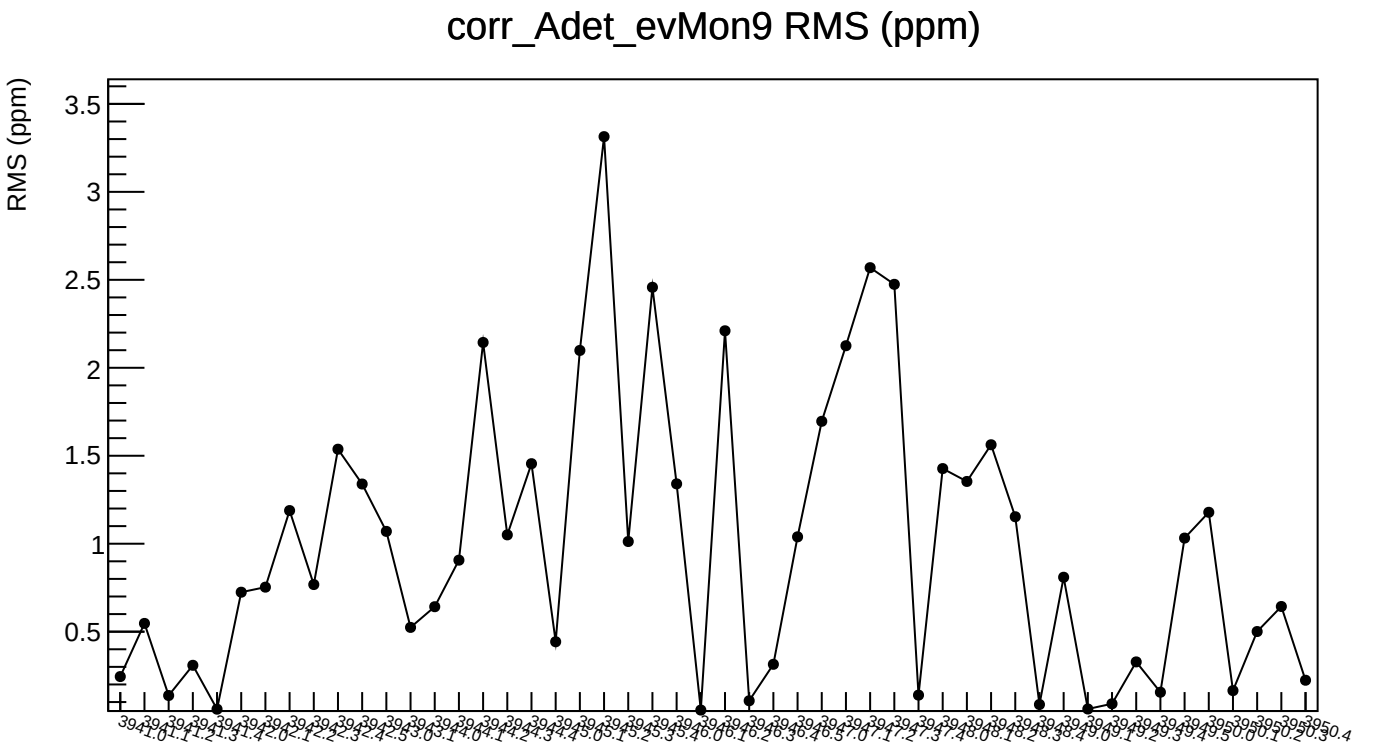

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
13
12
11
10
9
8

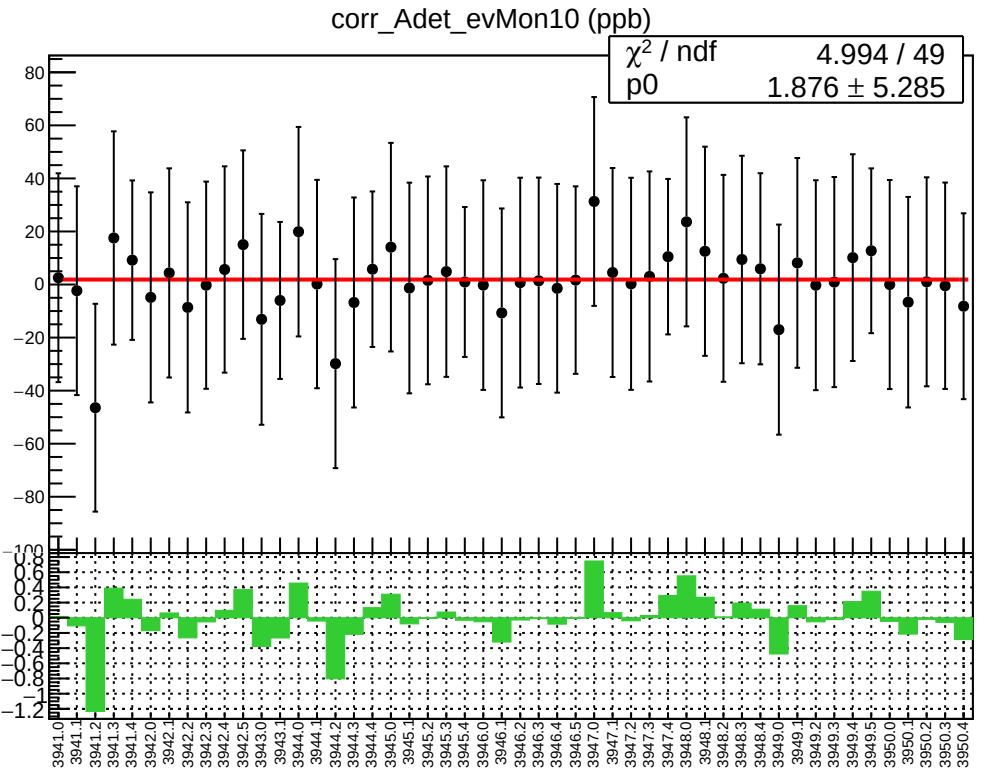

corr_Adet_evMon8 (ppb)
χ² / ndf 10.83 / 49
p0 1.705 ± 5.867
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

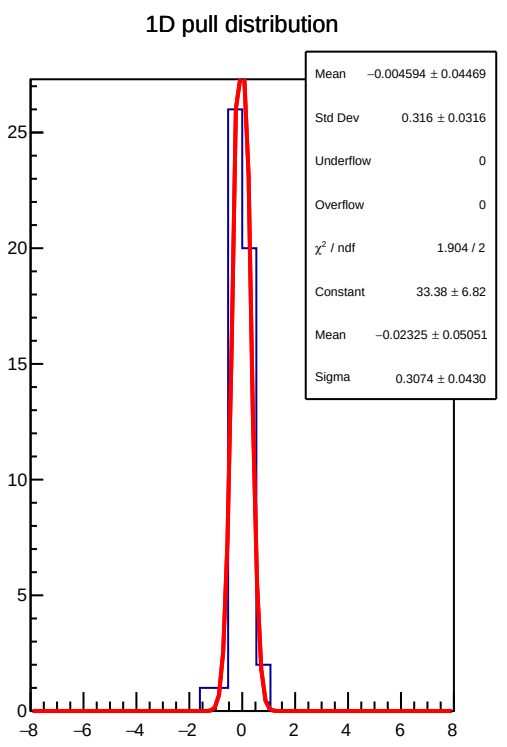

1D pull distribution
Mean 0.005697 ± 0.06581
Std Dev 0.4653 ± 0.04653
Underflow 0
Overflow 0
χ² / ndf 7.27 / 3
Constant 18.43 ± 5.22
Mean −0.05087 ± 0.11168
Sigma 0.4936 ± 0.1185
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

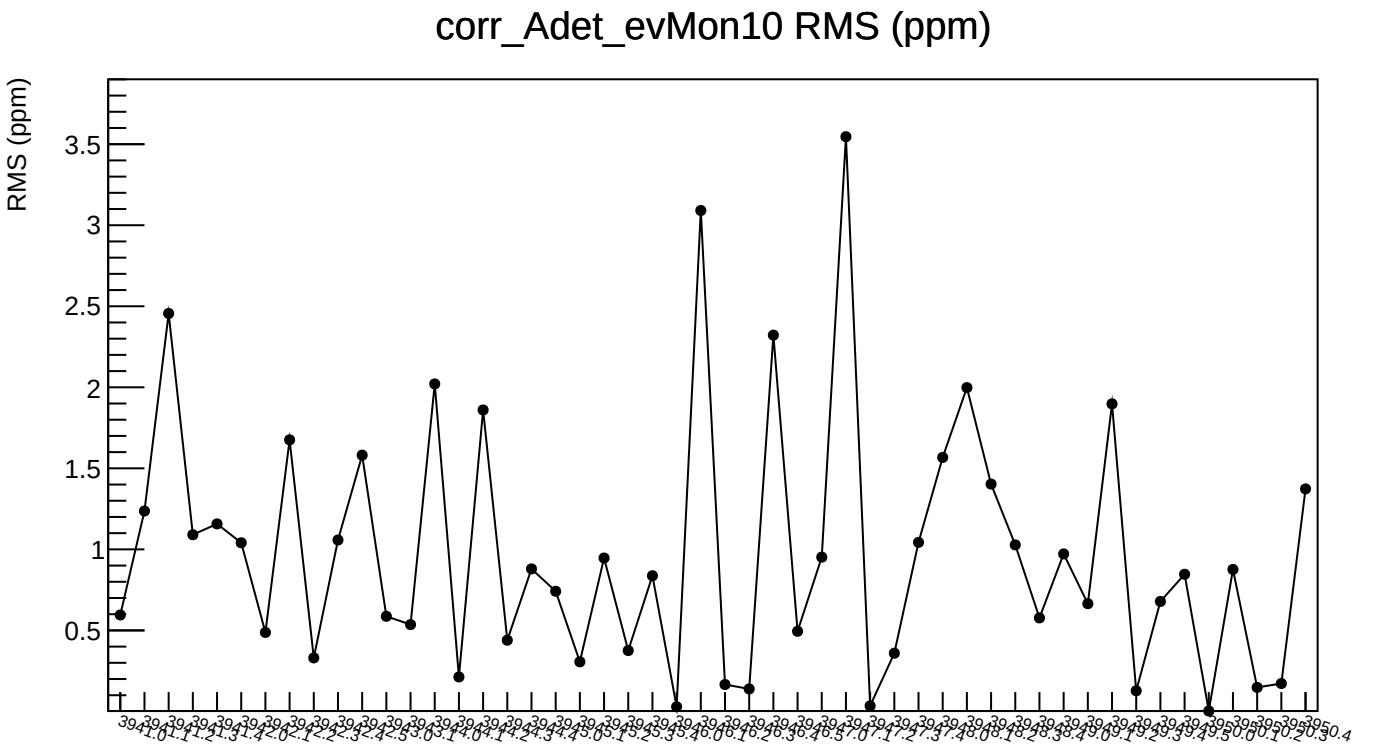

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5

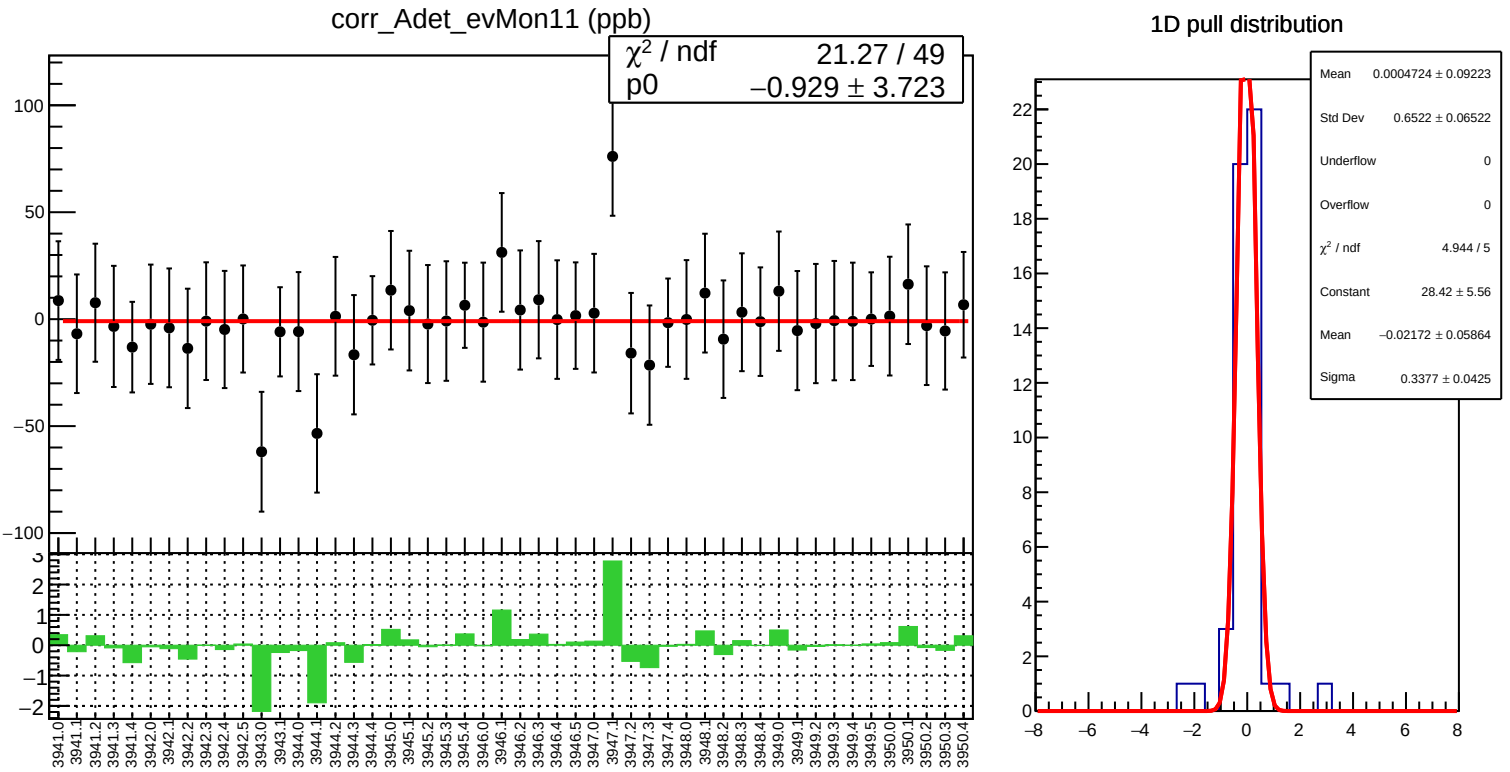

corr_Adet_evMon9 (ppb)
χ² / ndf 11.08 / 49
p0 0.765 ± 4.02
1D pull distribution
Mean −0.003905 ± 0.06658
Std Dev 0.4708 ± 0.04708
Underflow 0
Overflow 0
χ² / ndf 3.773 / 4
Constant 28.51 ± 5.98
Mean −0.09547 ± 0.05527
Sigma 0.3451 ± 0.0515

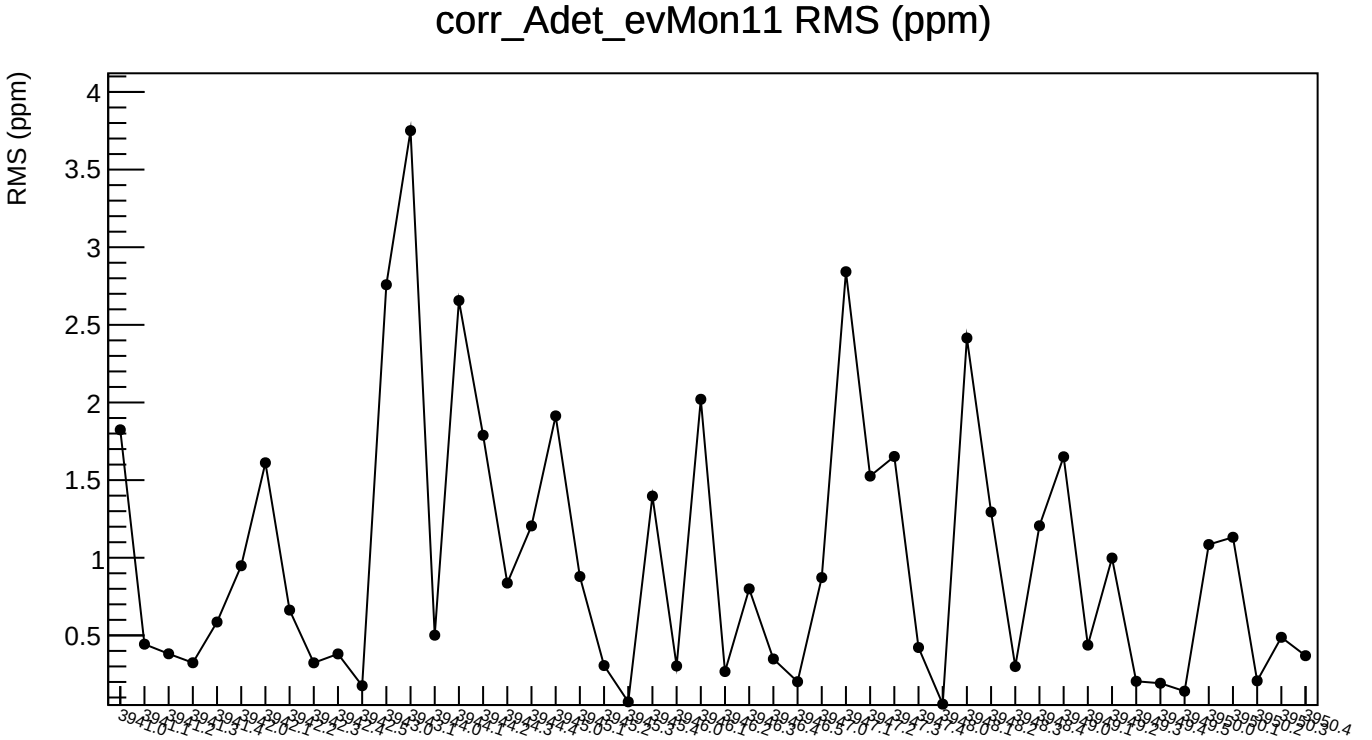

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5

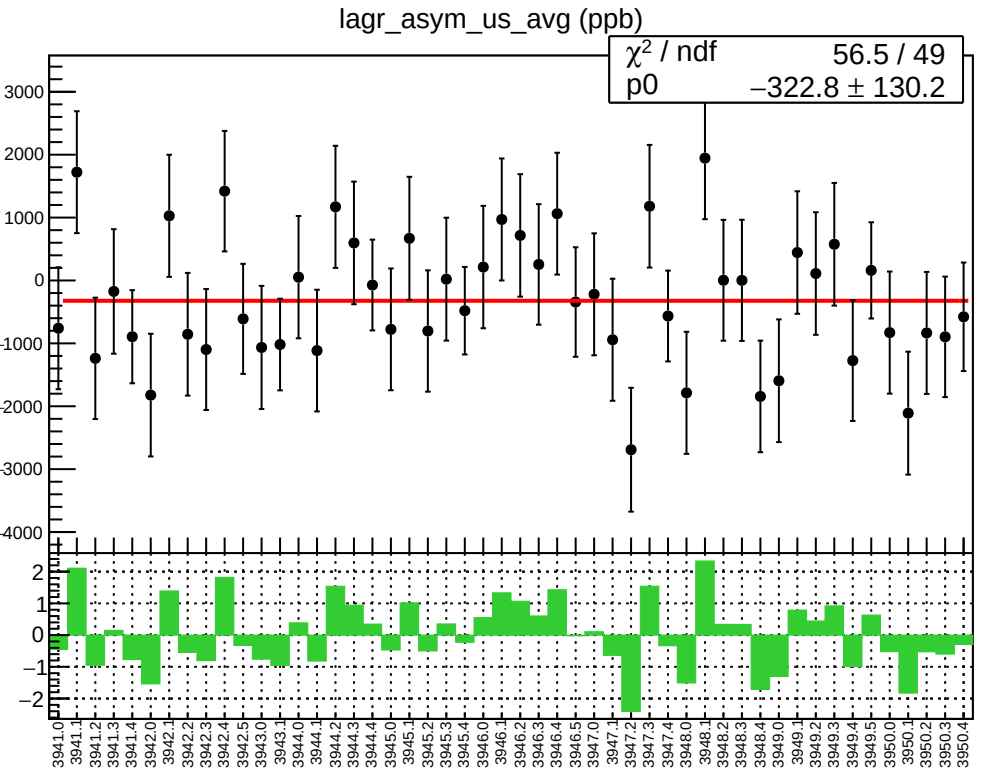

corr_Adet_evMon10 (ppb)
χ² / ndf 4.994 / 49
p0 1.876 ± 5.285

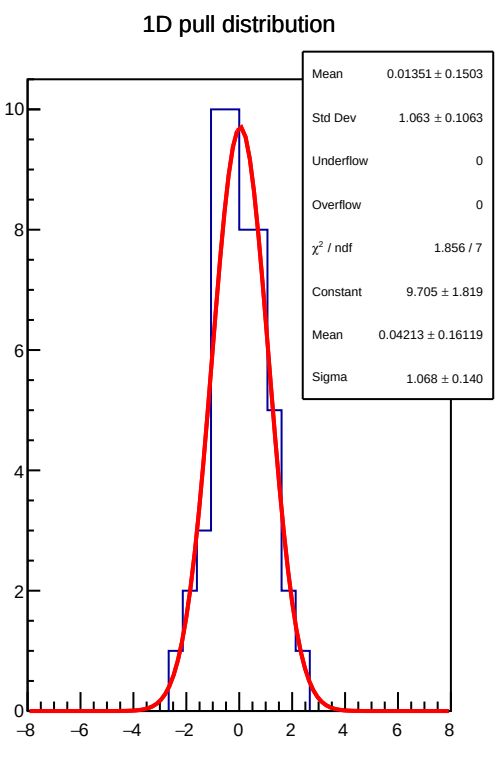

1D pull distribution
Mean −0.004594 ± 0.04469
Std Dev 0.316 ± 0.0316
Underflow 0
Overflow 0
χ² / ndf 1.904 / 2
Constant 33.38 ± 6.82
Mean −0.02325 ± 0.05051
Sigma 0.3074 ± 0.0430

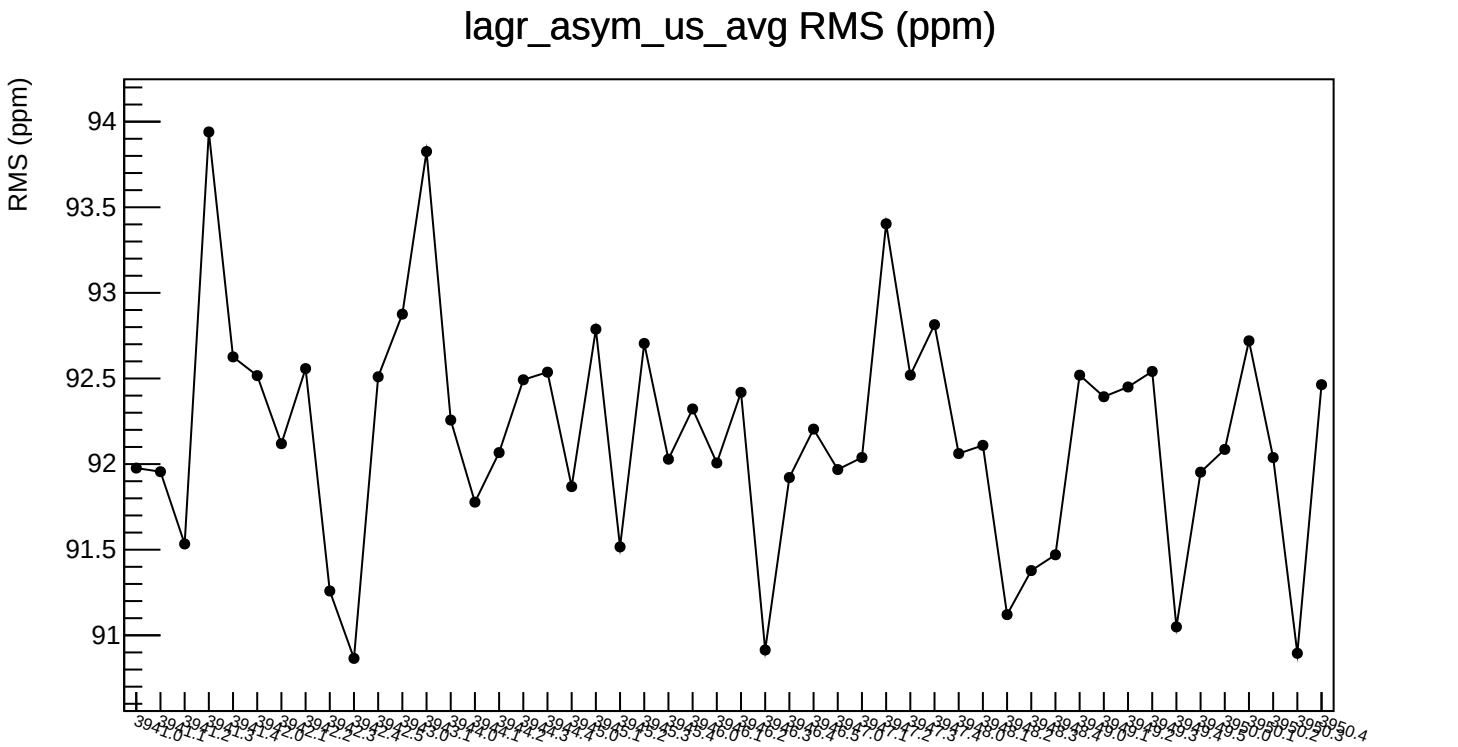

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5

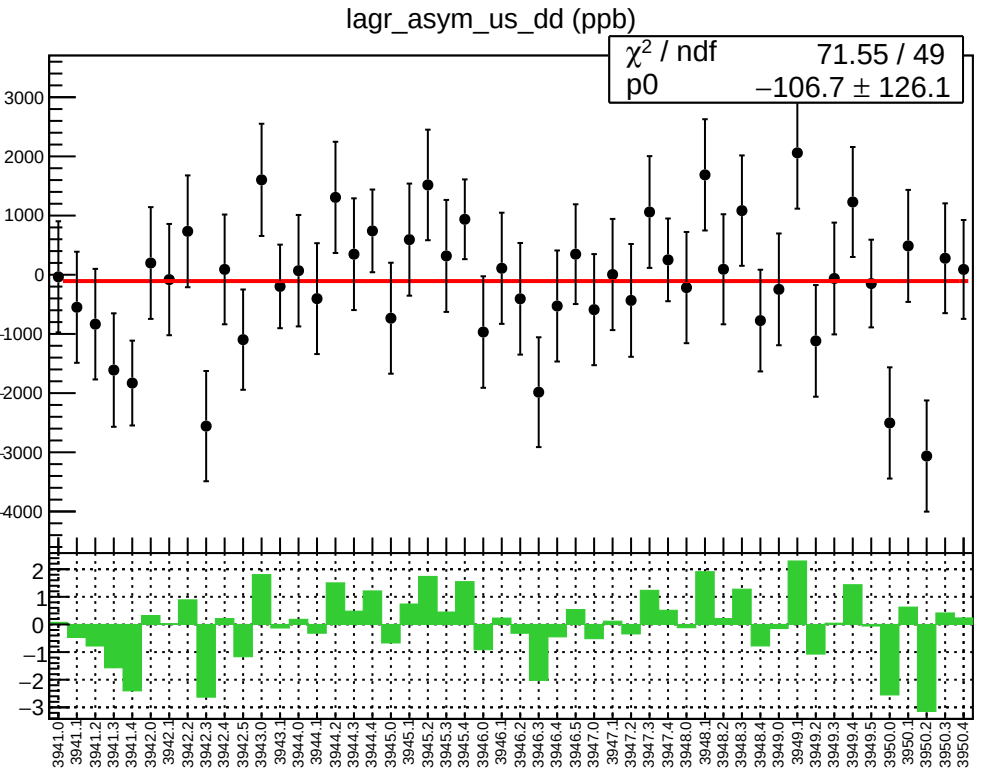

corr_Adet_evMon11 (ppb)
χ² / ndf 21.27 / 49
p0 −0.929 ± 3.723
100
50
0
−50
−100
3
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4
1D pull distribution
Mean 0.0004724 ± 0.09223
Std Dev 0.6522 ± 0.06522
Underflow 0
Overflow 0
χ² / ndf 4.944 / 5
Constant 28.42 ± 5.56
Mean −0.02172 ± 0.05864
Sigma 0.3377 ± 0.0425
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

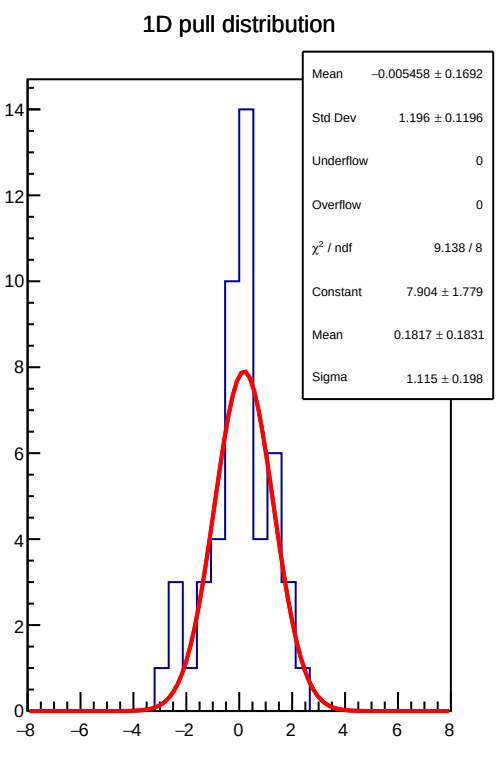

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5

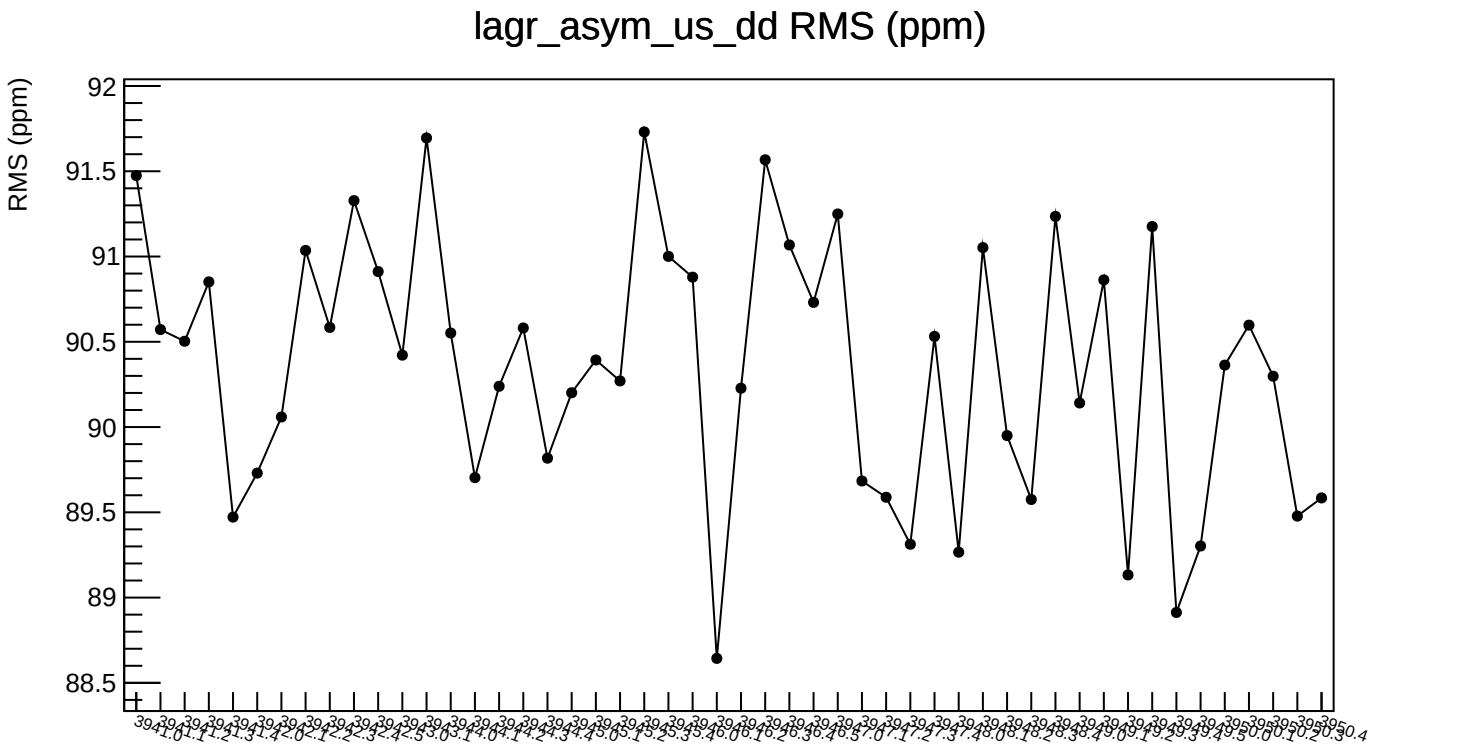

lagr_asym_us_avg (ppb)
χ² / ndf 56.5 / 49
p0 −322.8 ± 130.2
3000
2000
1000
0
-1000
-2000
-3000
-4000
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

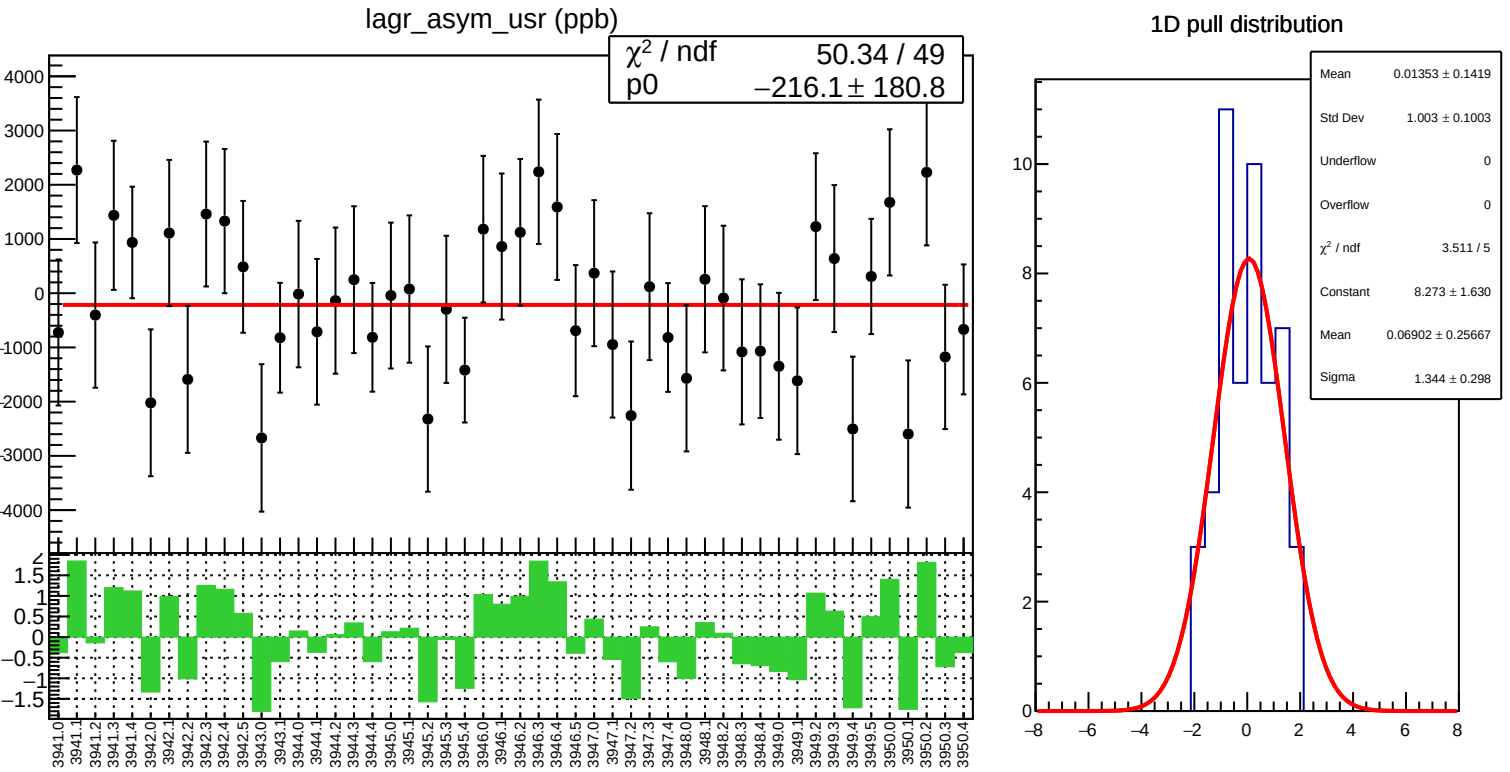

1D pull distribution
Mean 0.01351 ± 0.1503
Std Dev 1.063 ± 0.1063
Underflow 0
Overflow 0
χ² / ndf 1.856 / 7
Constant 9.705 ± 1.819
Mean 0.04213 ± 0.16119
Sigma 1.068 ± 0.140
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

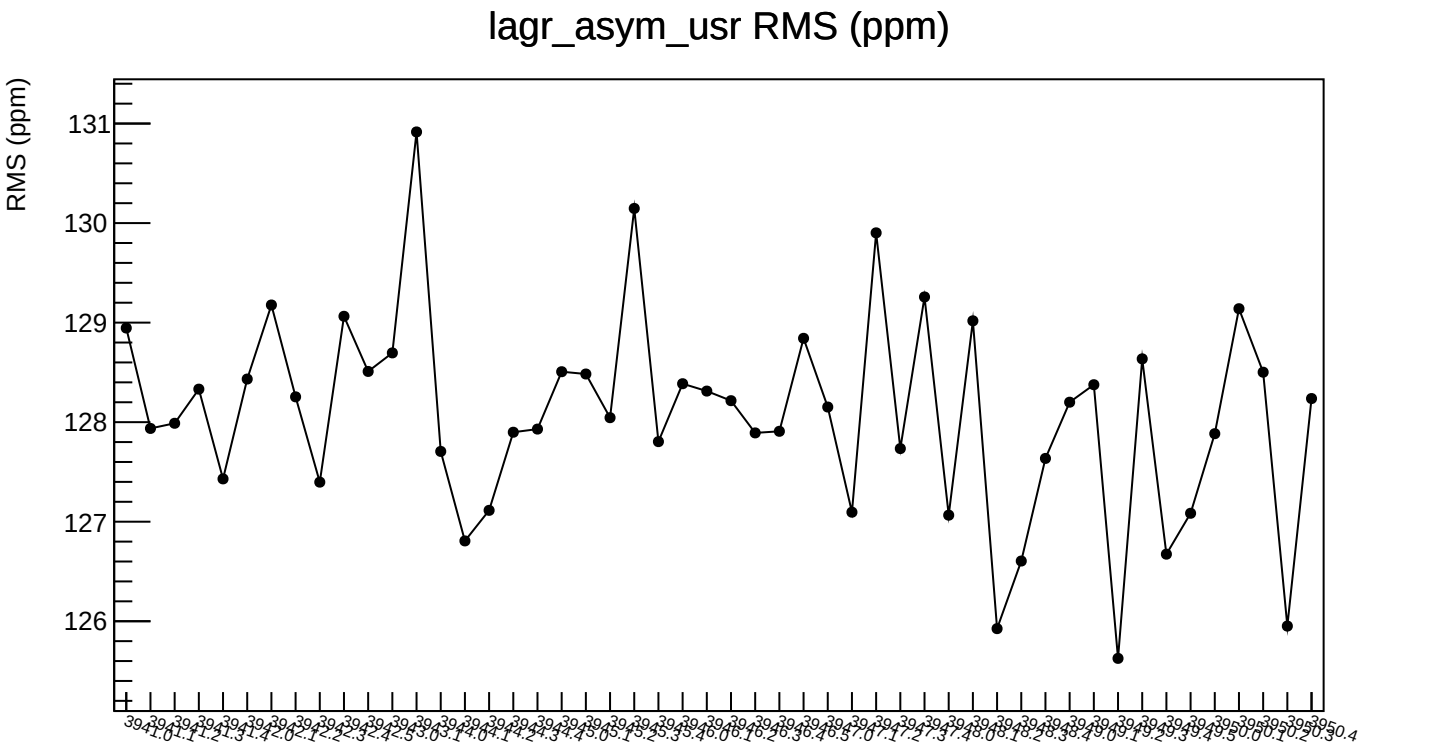

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
94
93.5
93
92.5
92
91.5
91

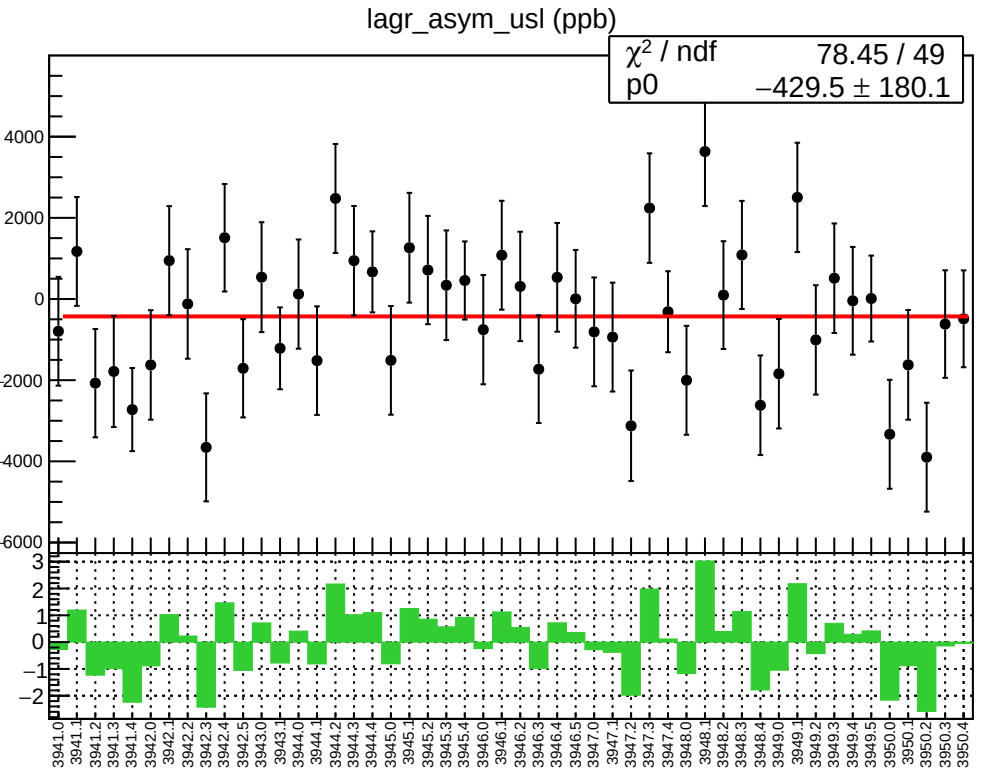

lagr_asym_us_dd (ppb)
χ² / ndf 71.55 / 49
p0 −106.7 ± 126.1
3000
2000
1000
0
-1000
-2000
-3000
-4000
Pull
2
1
0
−1
−2
−3
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

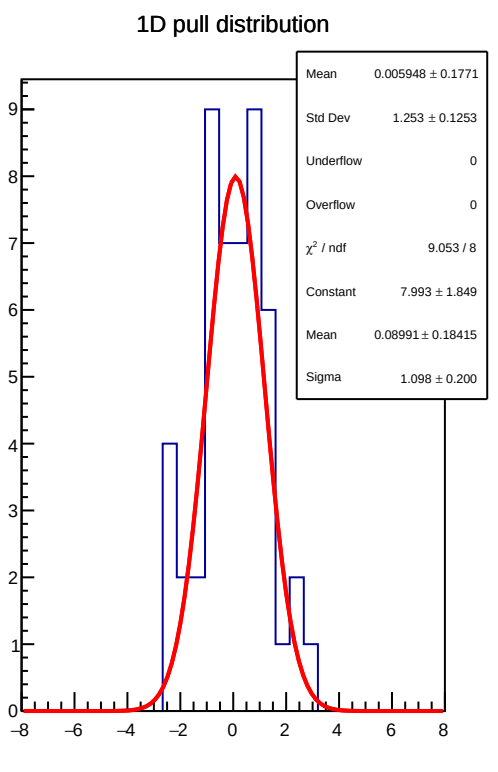

1D pull distribution
Mean −0.005458 ± 0.1692
Std Dev 1.196 ± 0.1196
Underflow 0
Overflow 0
χ² / ndf 9.138 / 8
Constant 7.904 ± 1.779
Mean 0.1817 ± 0.1831
Sigma 1.115 ± 0.198
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

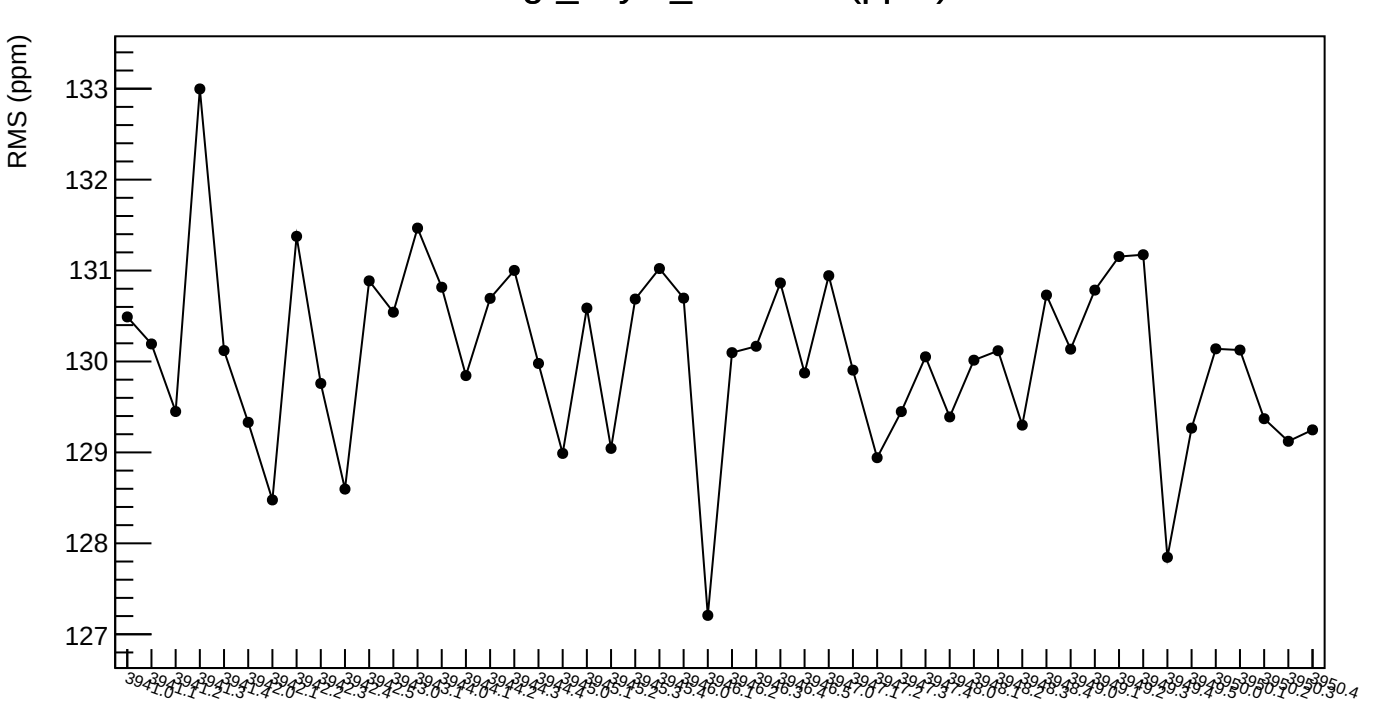

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
92
91.5
91
90.5
90
89.5
89
88.5

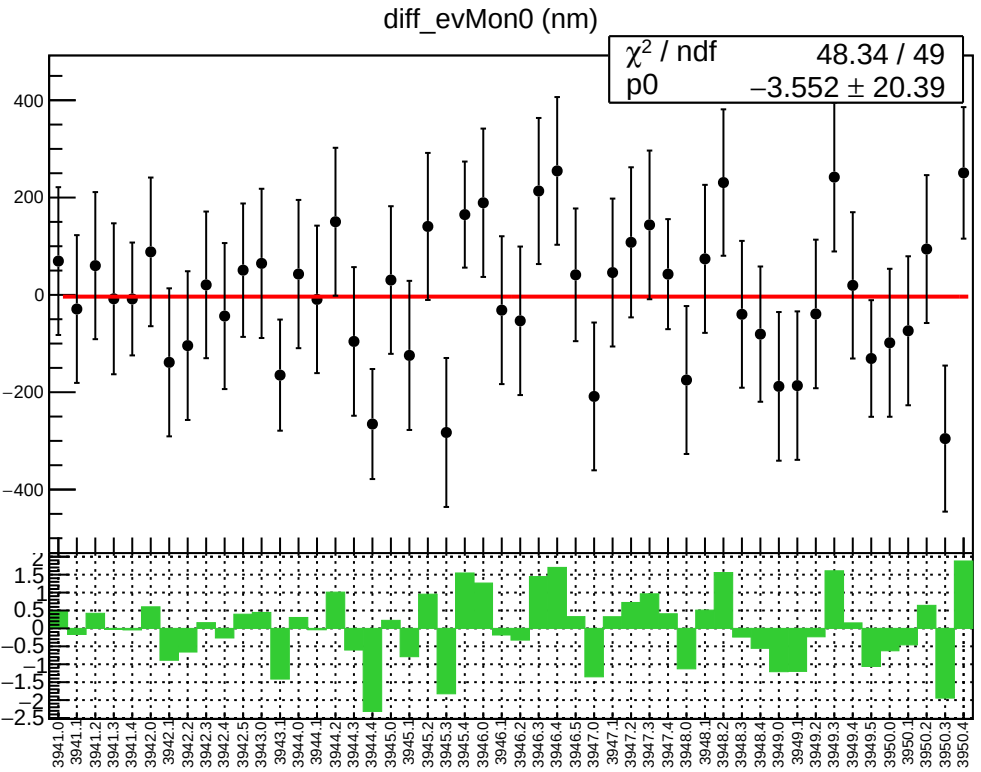

lagr_asym_usr (ppb)
χ² / ndf 50.34 / 49
p0 −216.1 ± 180.8
1D pull distribution
Mean 0.01353 ± 0.1419
Std Dev 1.003 ± 0.1003
Underflow 0
Overflow 0
χ² / ndf 3.511 / 5
Constant 8.273 ± 1.630
Mean 0.06902 ± 0.25667
Sigma 1.344 ± 0.298

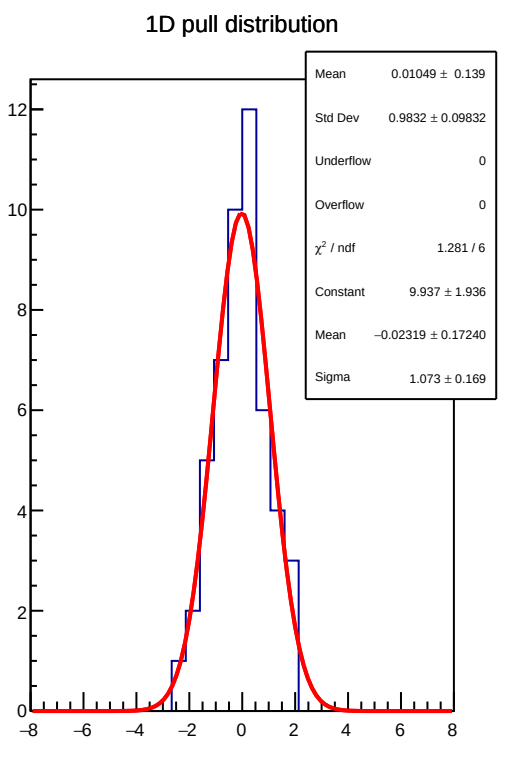

lagr_asym_usr RMS (ppm)
RMS (ppm)
131
130
129
128
127
126

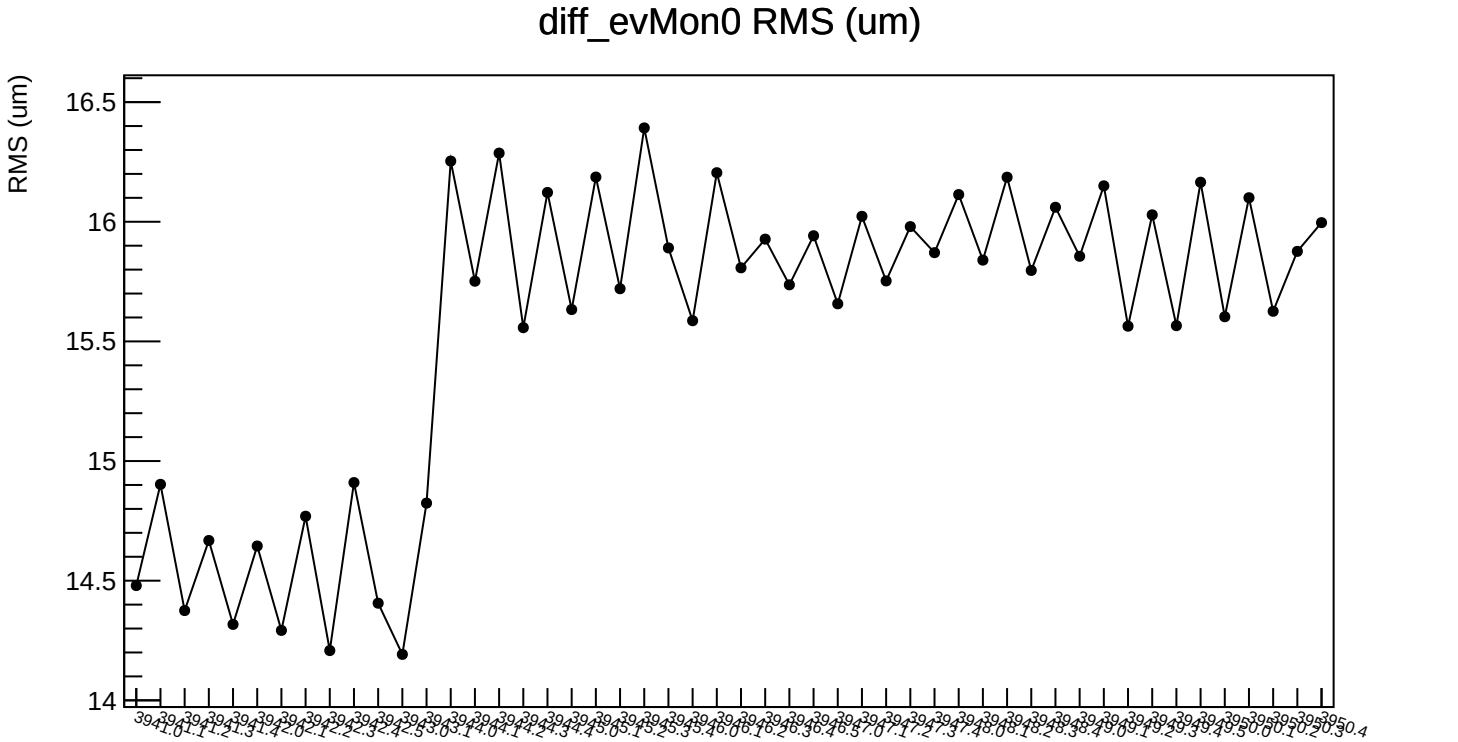

lagr_asym_usl (ppb)
χ² / ndf 78.45 / 49
p0 −429.5 ± 180.1
4000
2000
0
-2000
-4000
-6000
3
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

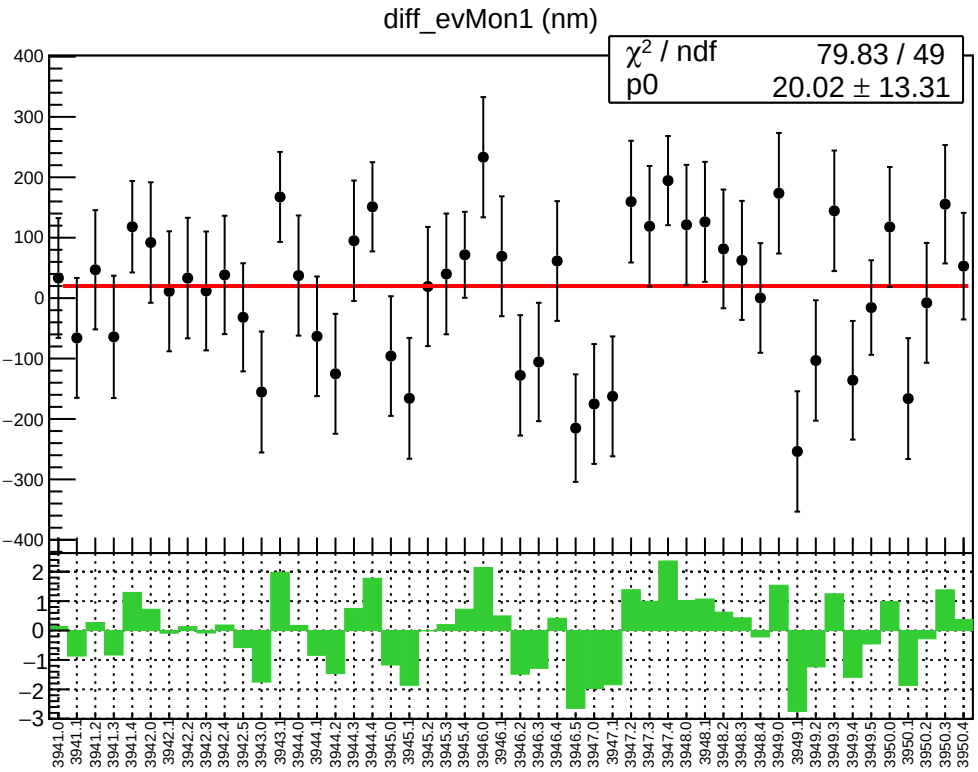

1D pull distribution
Mean 0.005948 ± 0.1771
Std Dev 1.253 ± 0.1253
Underflow 0
Overflow 0
χ² / ndf 9.053 / 8
Constant 7.993 ± 1.849
Mean 0.08991 ± 0.18415
Sigma 1.098 ± 0.200
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

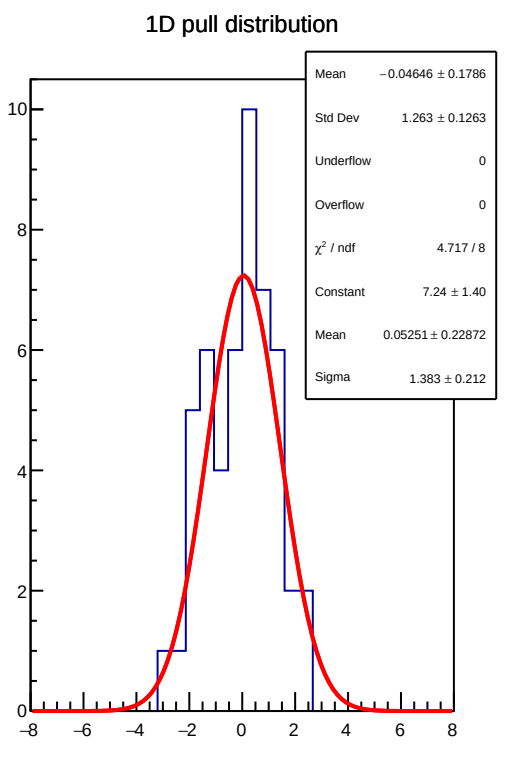

lagr_asym_usl RMS (ppm)
RMS (ppm)
133
132
131
130
129
128
127

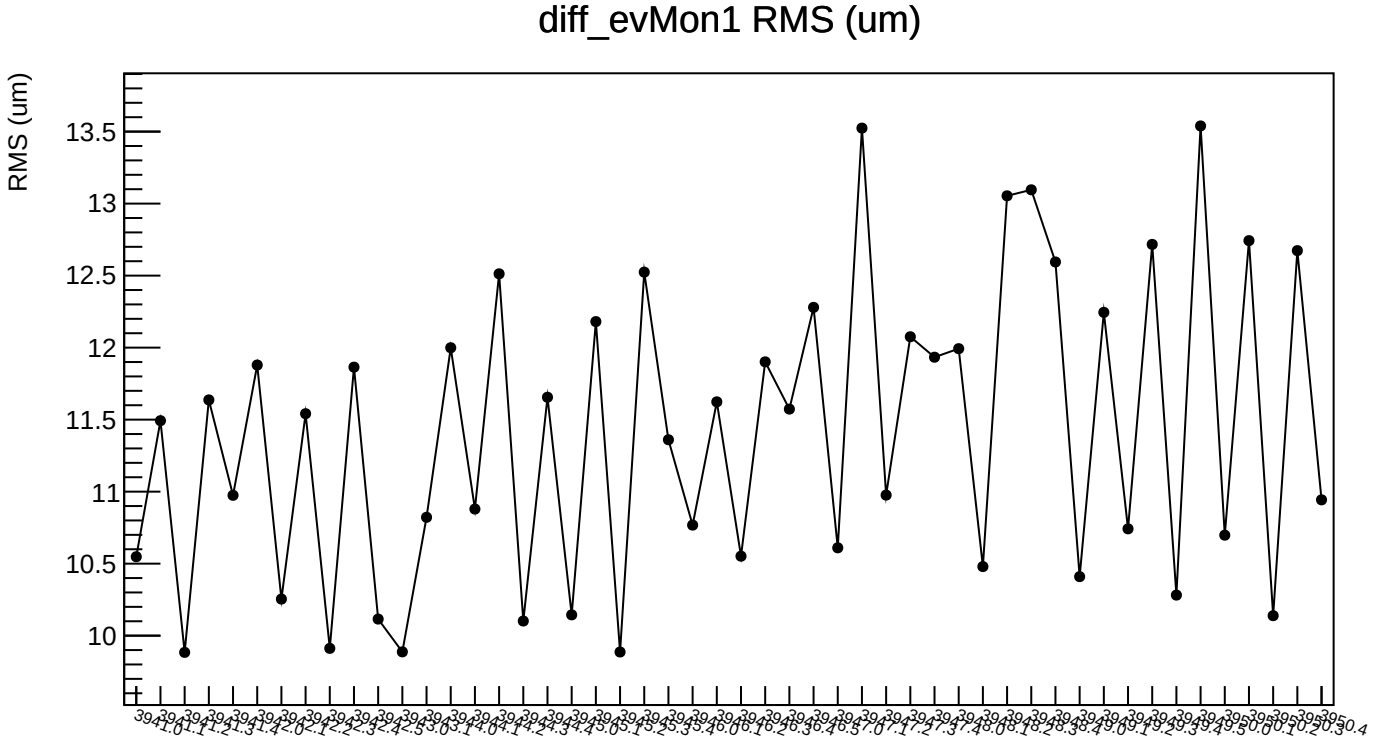

diff_evMon0 (nm)
χ² / ndf 48.34 / 49
p0 −3.552 ± 20.39
400
200
0
−200
−400
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

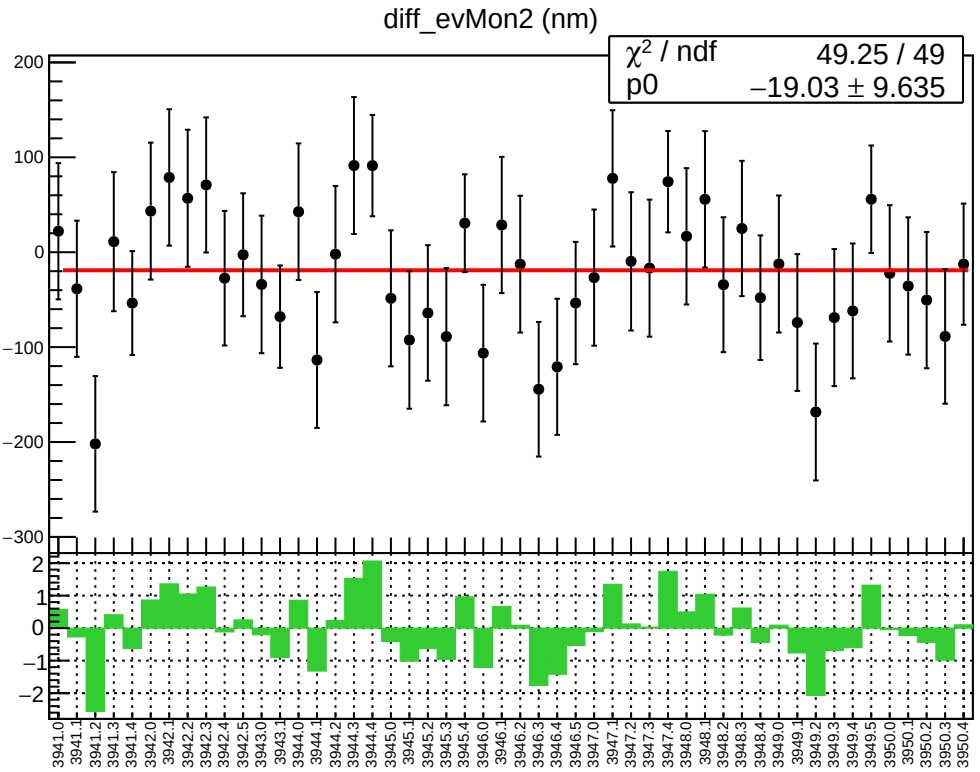

1D pull distribution
Mean 0.01049 ± 0.139
Std Dev 0.9832 ± 0.09832
Underflow 0
Overflow 0
χ² / ndf 1.281 / 6
Constant 9.937 ± 1.936
Mean −0.02319 ± 0.17240
Sigma 1.073 ± 0.169
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

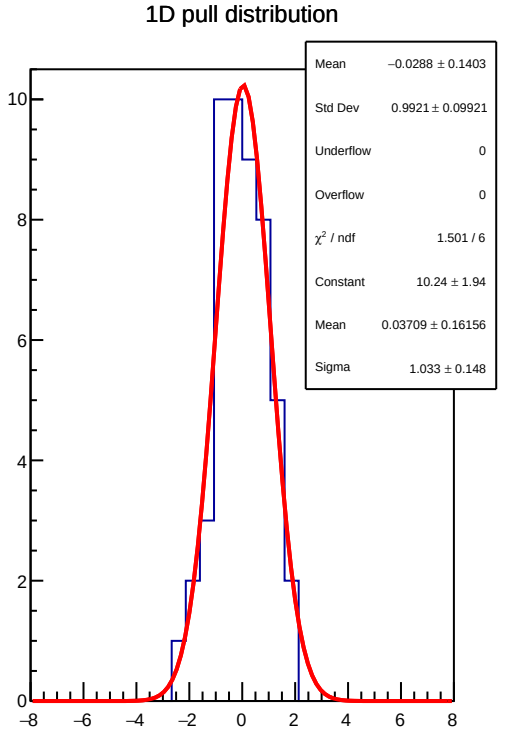

diff_evMon0 RMS (um)
RMS (um)
16.5
16
15.5
15
14.5
14

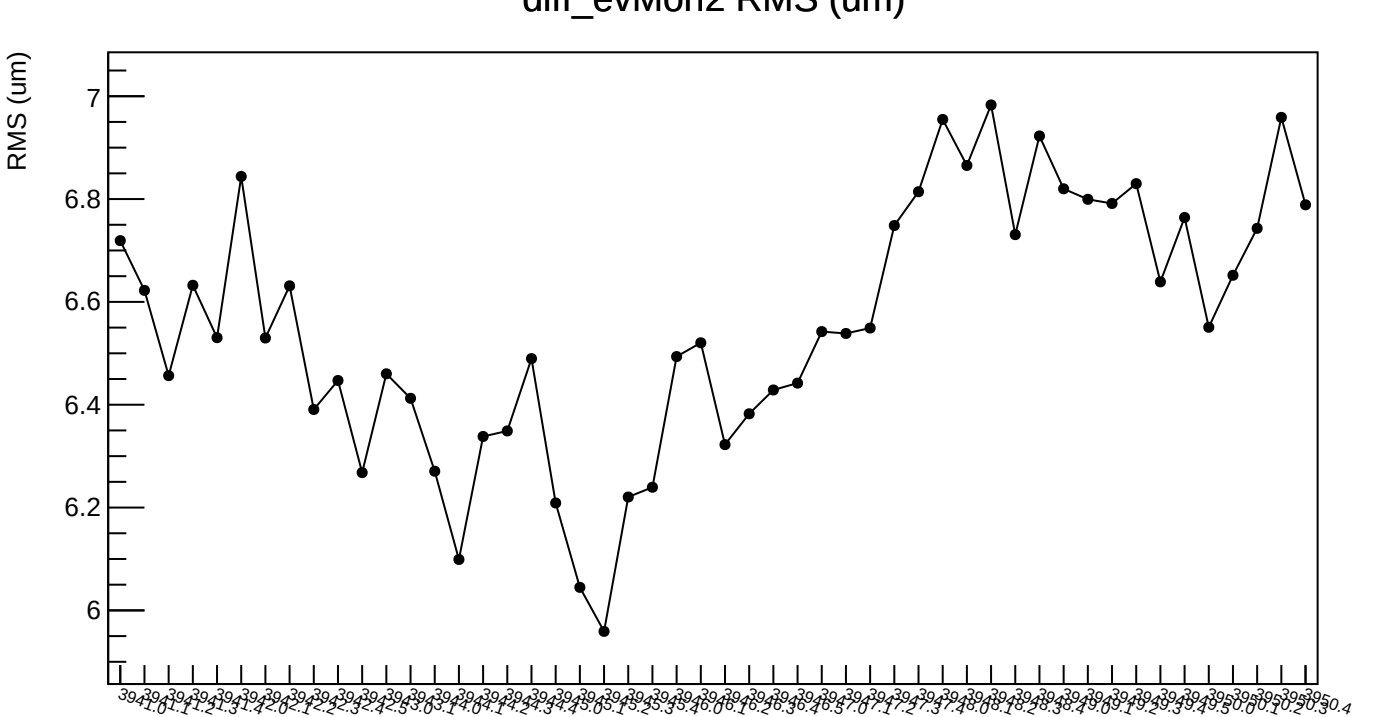

diff_evMon1 (nm)
χ² / ndf 79.83 / 49
p0 20.02 ± 13.31
400
300
200
100
0
−100
−200
−300
−400
2
1
0
−1
−2
−3
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

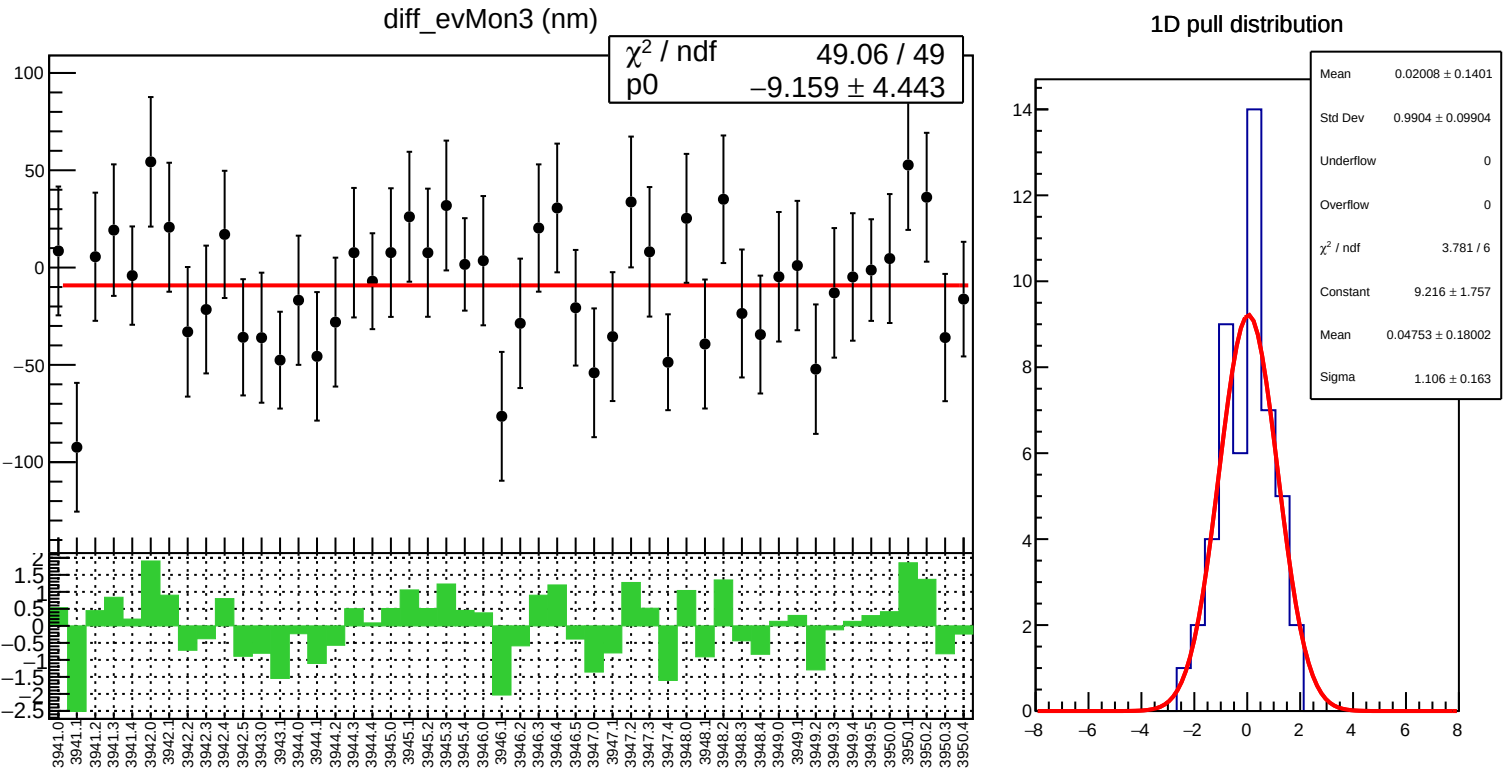

1D pull distribution
Mean −0.04646 ± 0.1786
Std Dev 1.263 ± 0.1263
Underflow 0
Overflow 0
χ² / ndf 4.717 / 8
Constant 7.24 ± 1.40
Mean 0.05251 ± 0.22872
Sigma 1.383 ± 0.212
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

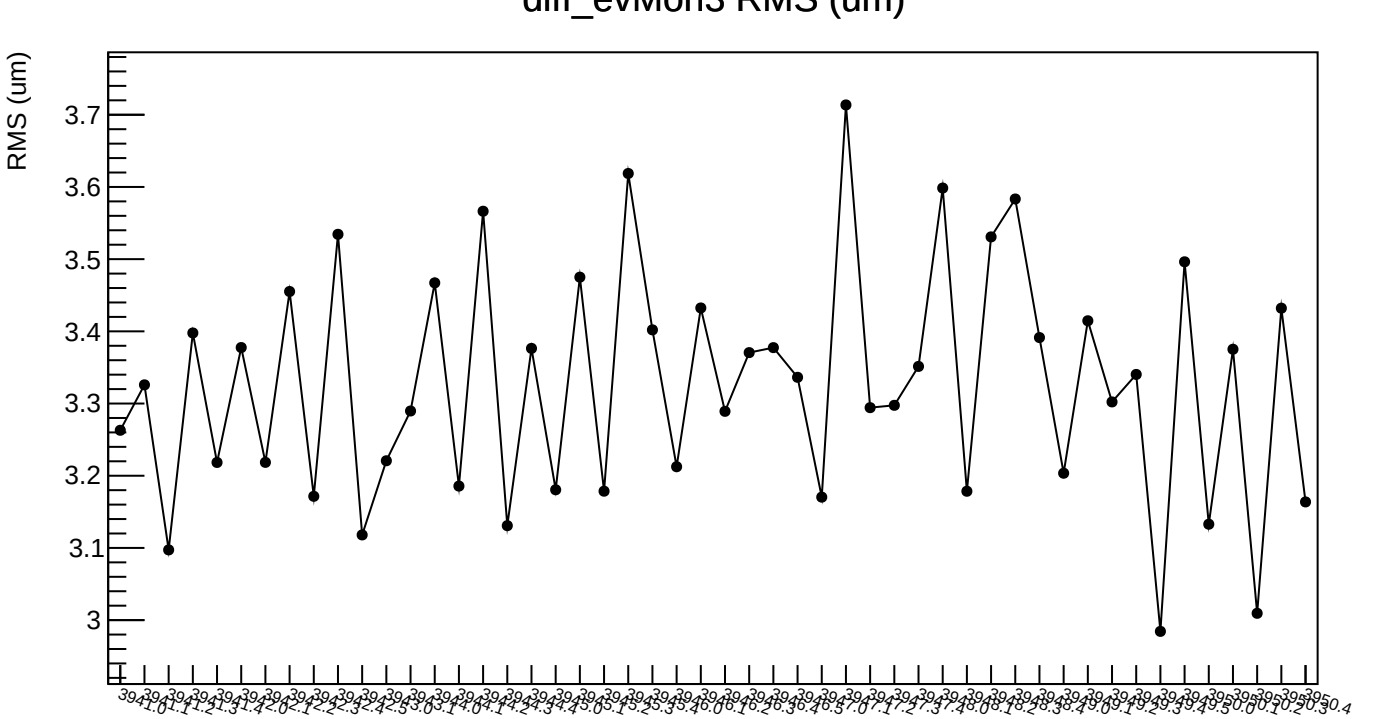

diff_evMon1 RMS (um)
RMS (um)
13.5
13
12.5
12
11.5
11
10.5
10

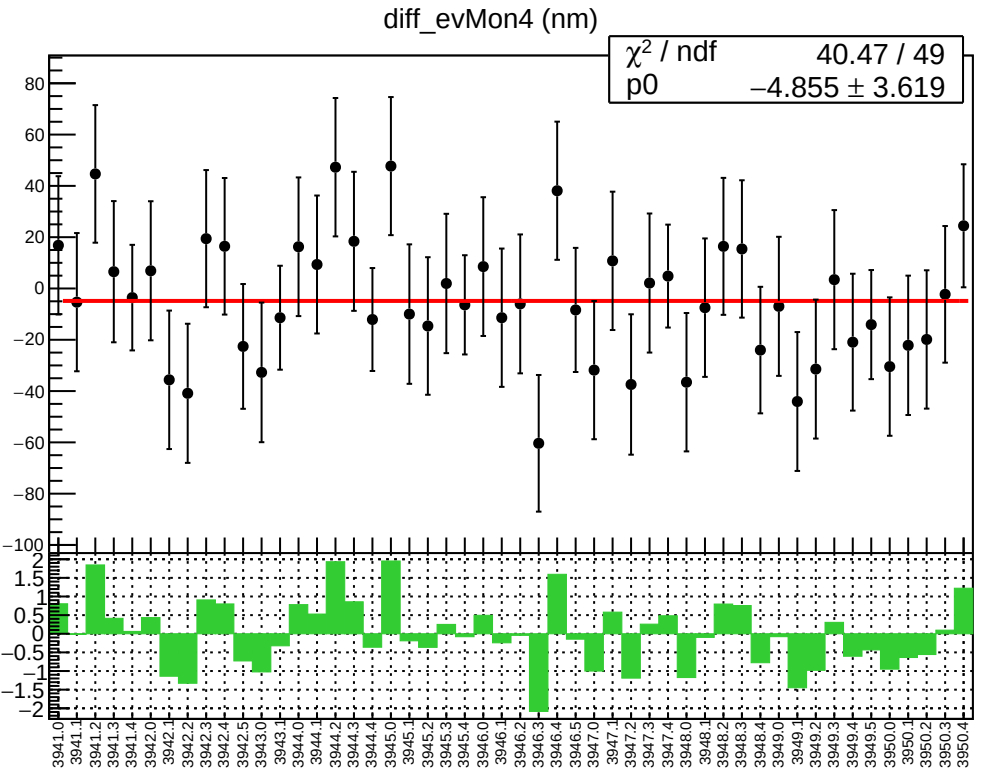

diff_evMon2 (nm)
χ² / ndf 49.25 / 49
p0 −19.03 ± 9.635
200
100
0
−100
−200
−300
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

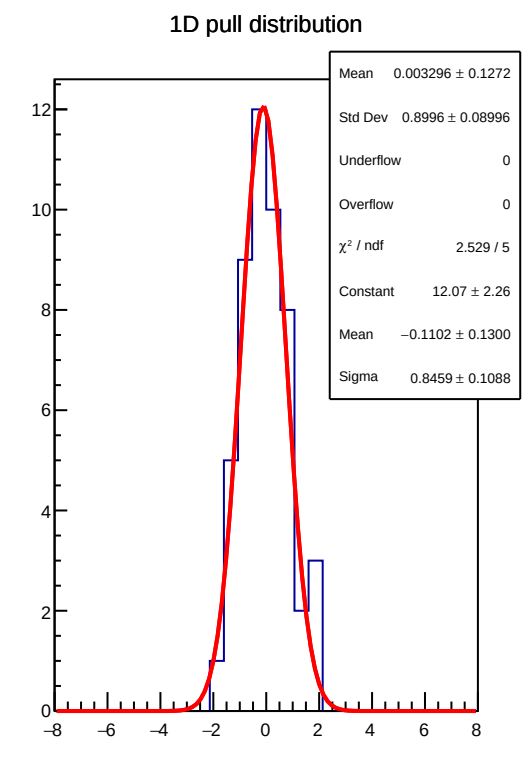

1D pull distribution
Mean −0.0288 ± 0.1403
Std Dev 0.9921 ± 0.09921
Underflow 0
Overflow 0
χ² / ndf 1.501 / 6
Constant 10.24 ± 1.94
Mean 0.03709 ± 0.16156
Sigma 1.033 ± 0.148
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

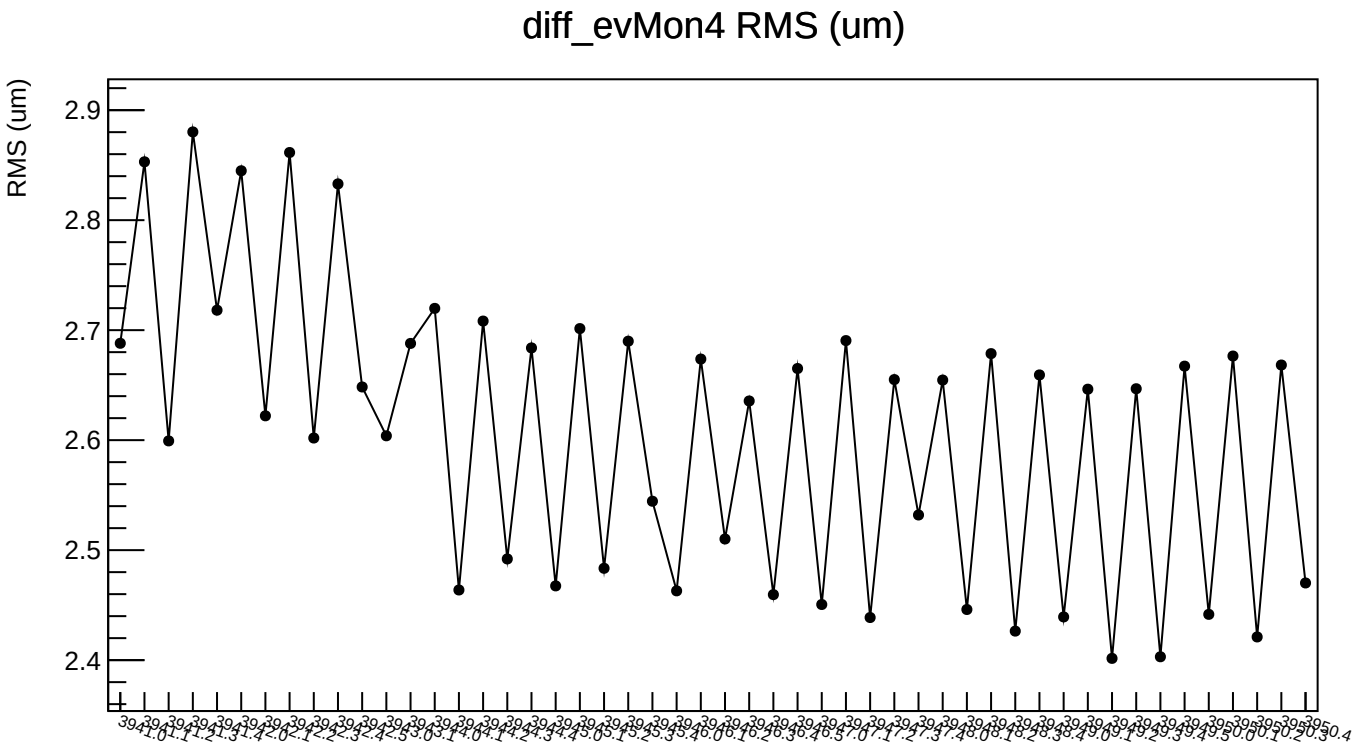

diff_evMon2 RMS (um)
RMS (um)
7
6.8
6.6
6.4
6.2
6

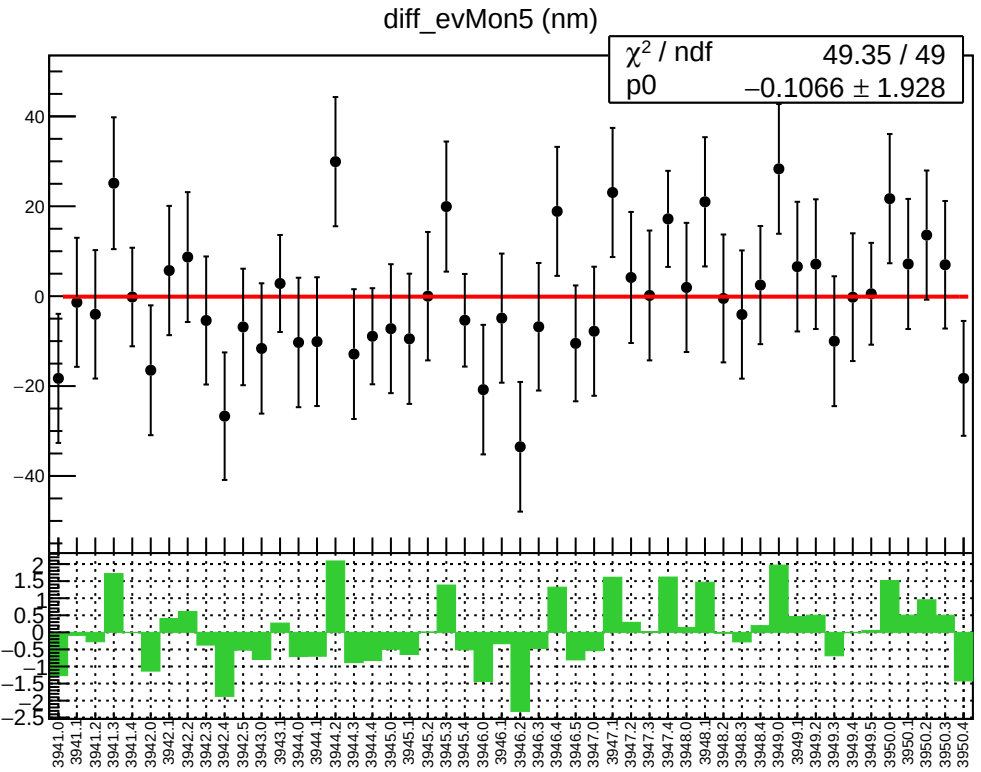

diff_evMon3 (nm)
χ² / ndf 49.06 / 49
p0 −9.159 ± 4.443
1D pull distribution
Mean 0.02008 ± 0.1401
Std Dev 0.9904 ± 0.09904
Underflow 0
Overflow 0
χ² / ndf 3.781 / 6
Constant 9.216 ± 1.757
Mean 0.04753 ± 0.18002
Sigma 1.106 ± 0.163

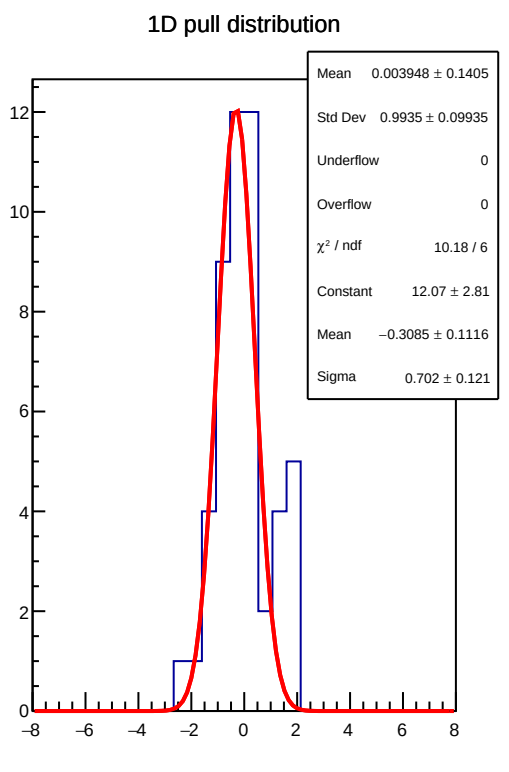

diff_evMon3 RMS (um)
RMS (um)
3.7
3.6
3.5
3.4
3.3
3.2
3.1
3

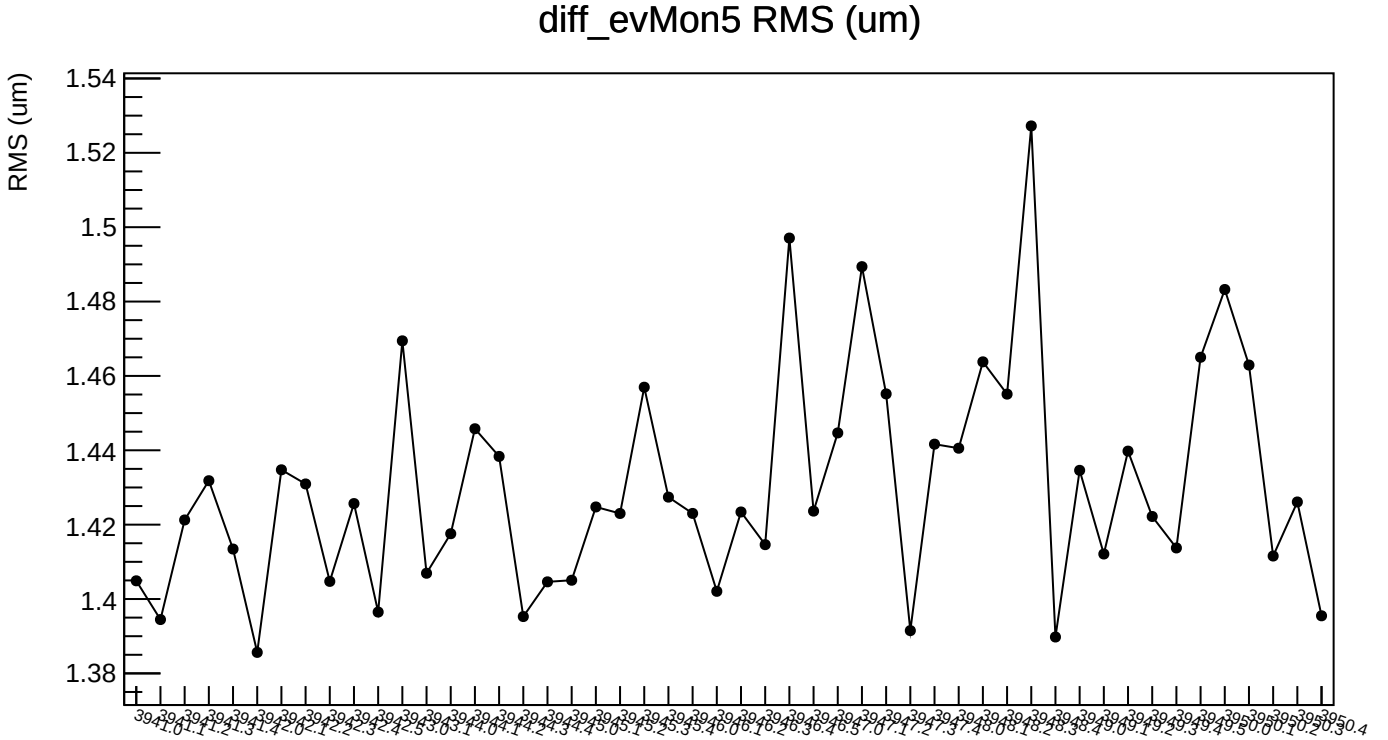

diff_evMon4 (nm)
χ² / ndf 40.47 / 49
p0 −4.855 ± 3.619

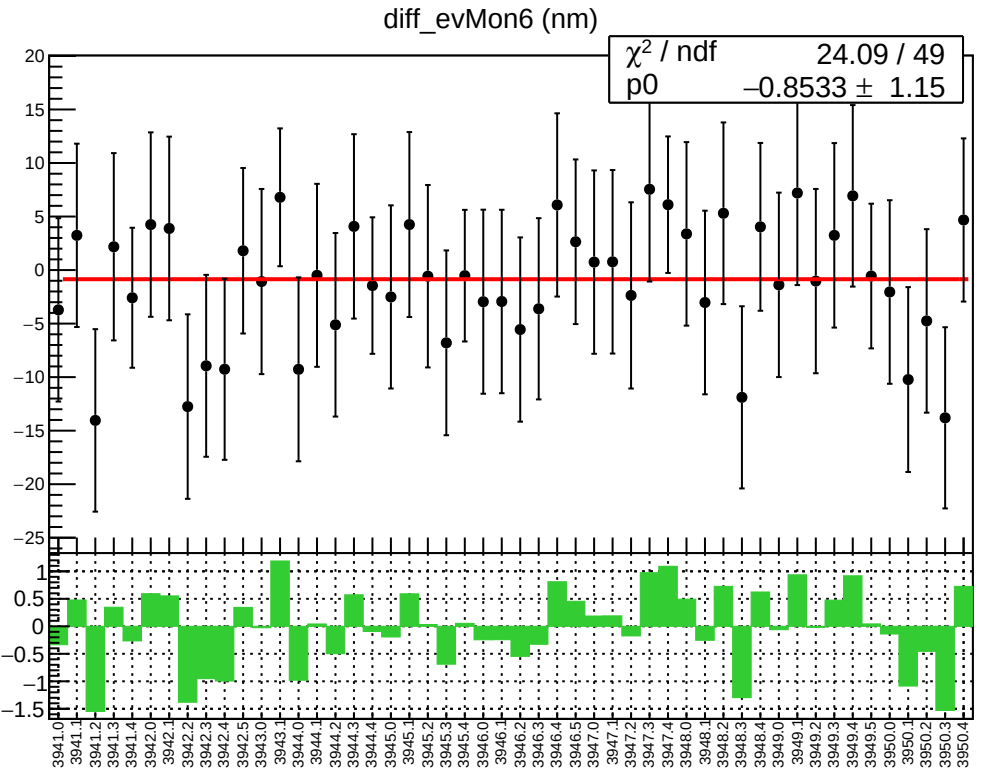

1D pull distribution
Mean 0.003296 ± 0.1272
Std Dev 0.8996 ± 0.08996
Underflow 0
Overflow 0
χ² / ndf 2.529 / 5
Constant 12.07 ± 2.26
Mean −0.1102 ± 0.1300
Sigma 0.8459 ± 0.1088

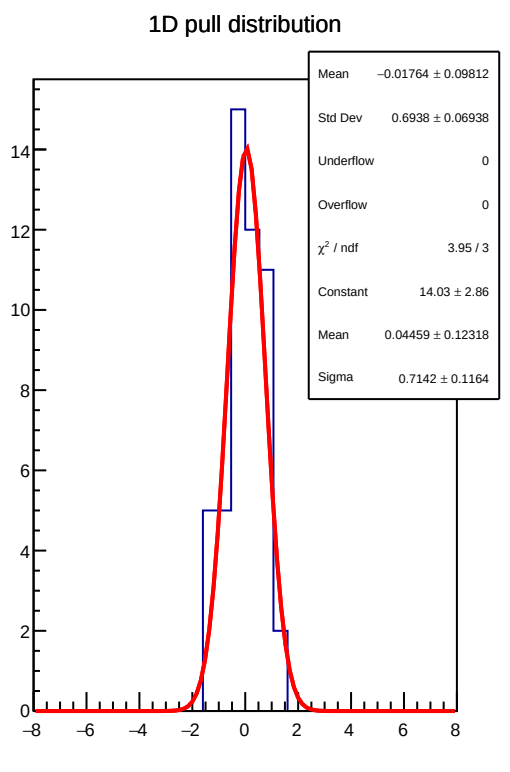

diff_evMon4 RMS (um)
RMS (um)
2.9
2.8
2.7
2.6
2.5
2.4

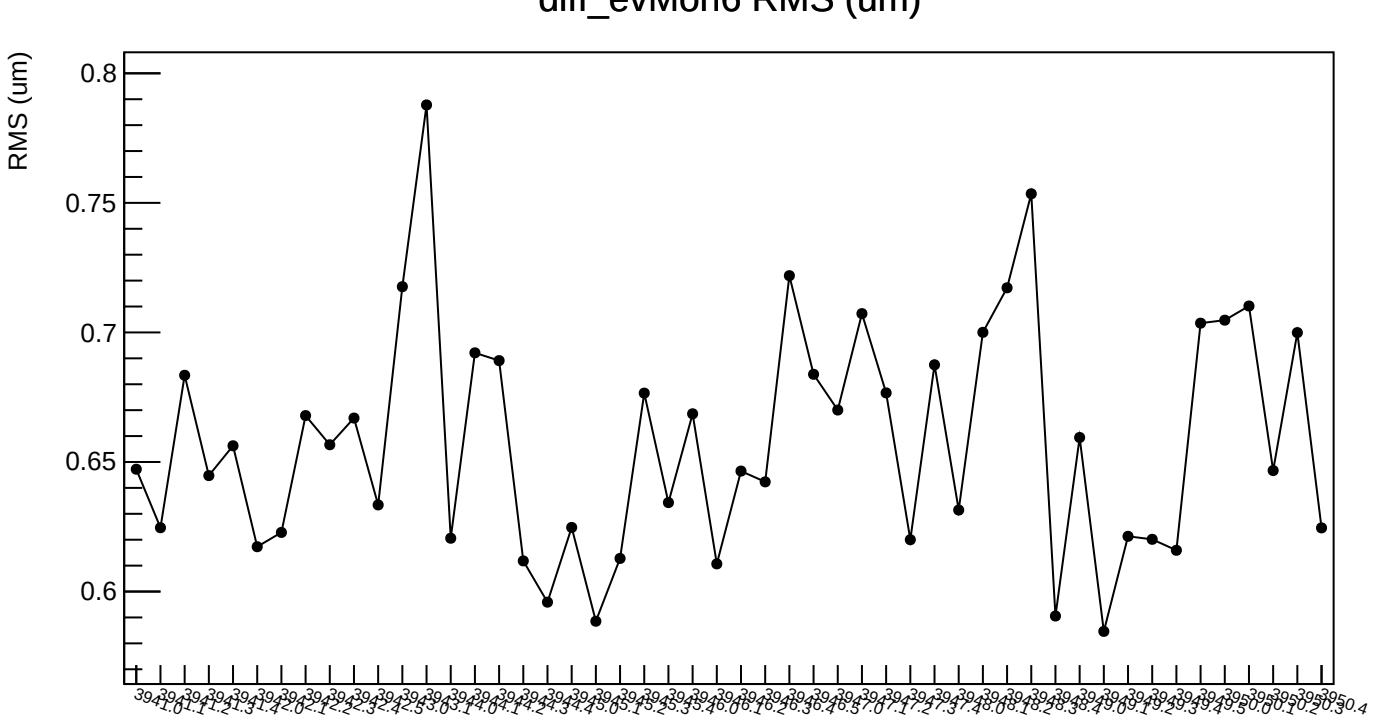

diff_evMon5 (nm)
χ² / ndf 49.35 / 49
p0 −0.1066 ± 1.928

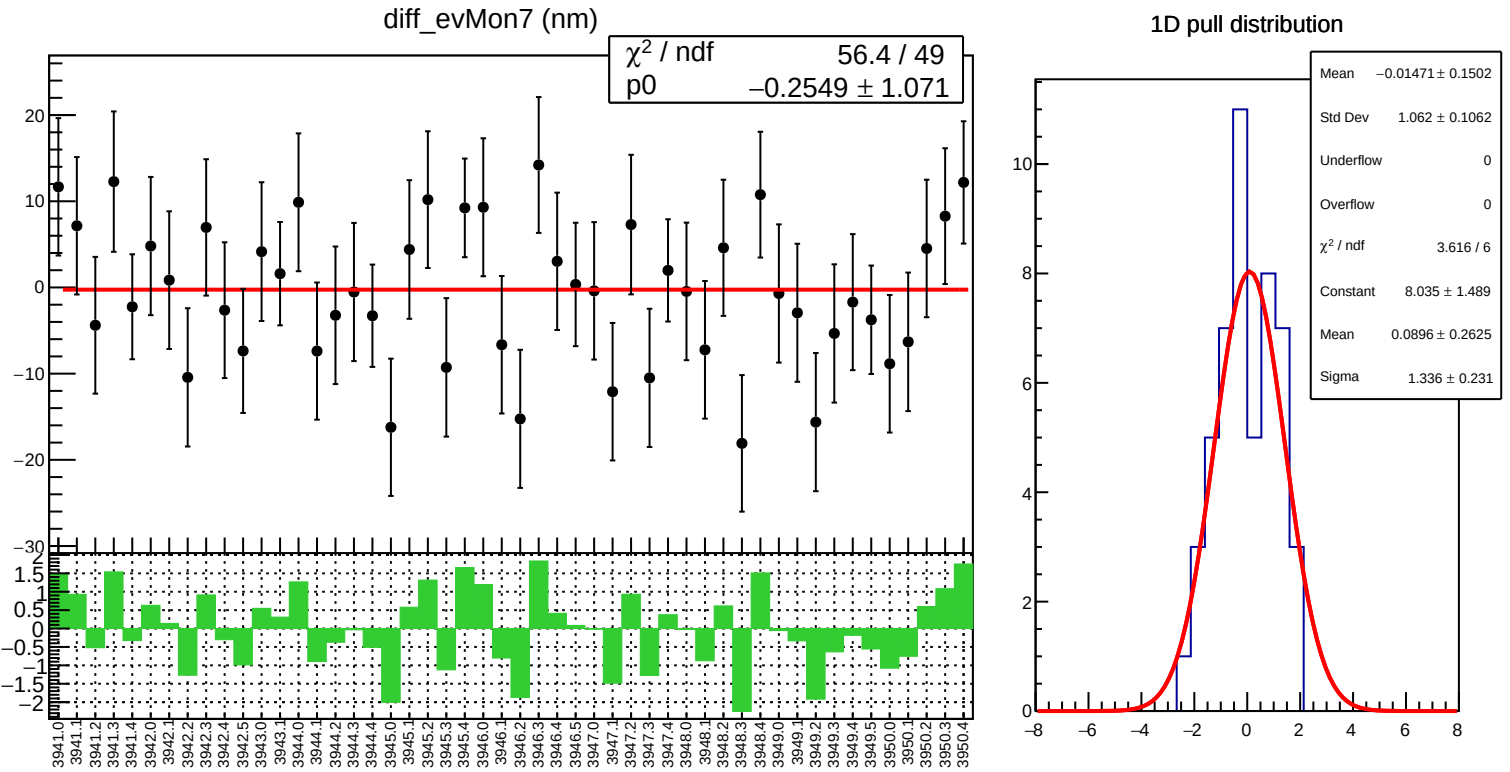

1D pull distribution
Mean 0.003948 ± 0.1405
Std Dev 0.9935 ± 0.09935
Underflow 0
Overflow 0
χ² / ndf 10.18 / 6
Constant 12.07 ± 2.81
Mean −0.3085 ± 0.1116
Sigma 0.702 ± 0.121

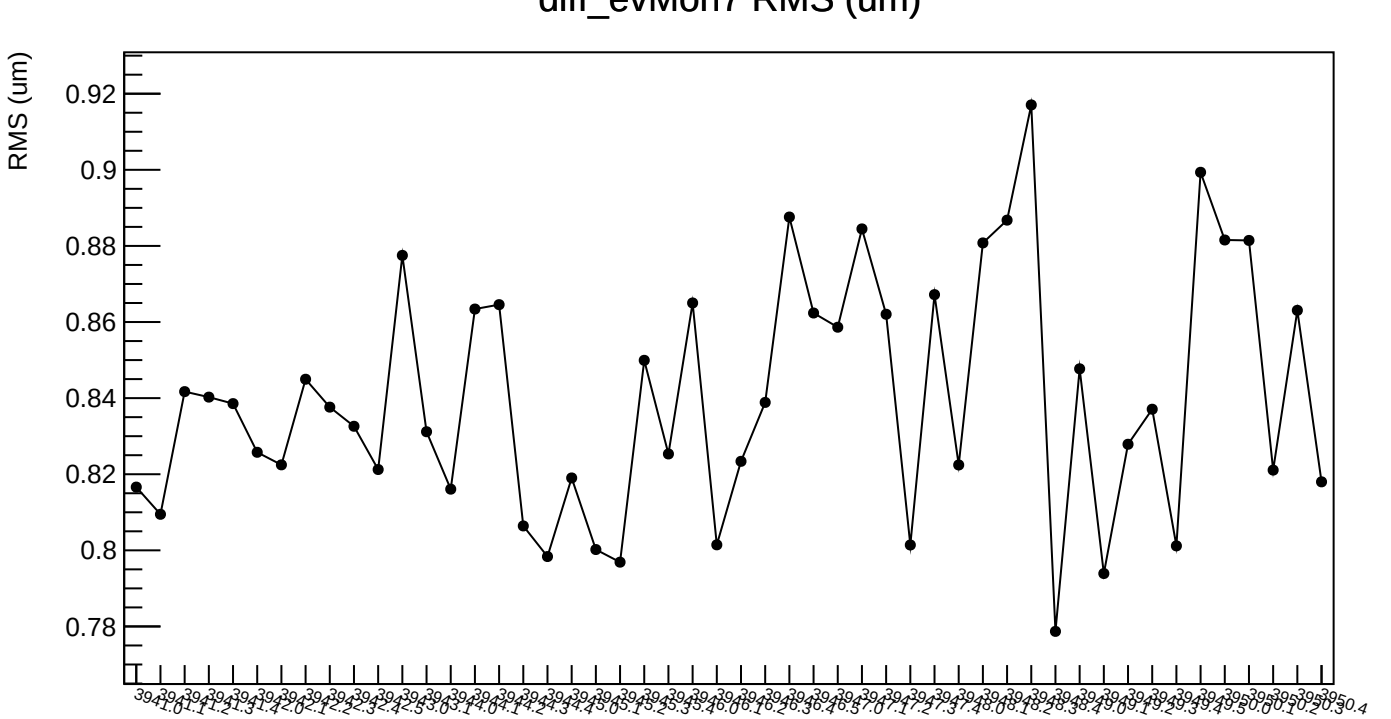

diff_evMon5 RMS (um)
RMS (um)
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38

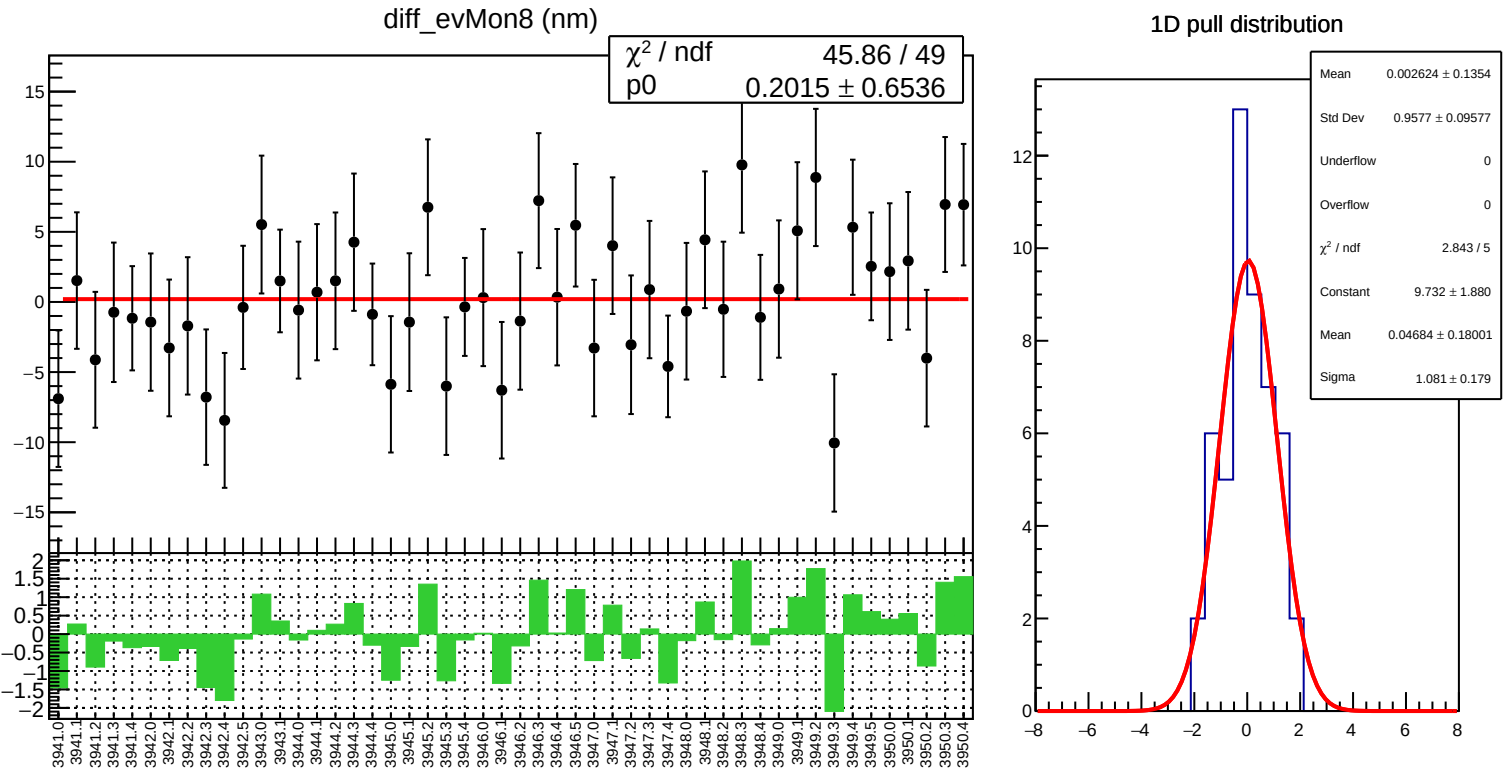

diff_evMon6 (nm)
χ² / ndf 24.09 / 49
p0 −0.8533 ± 1.15

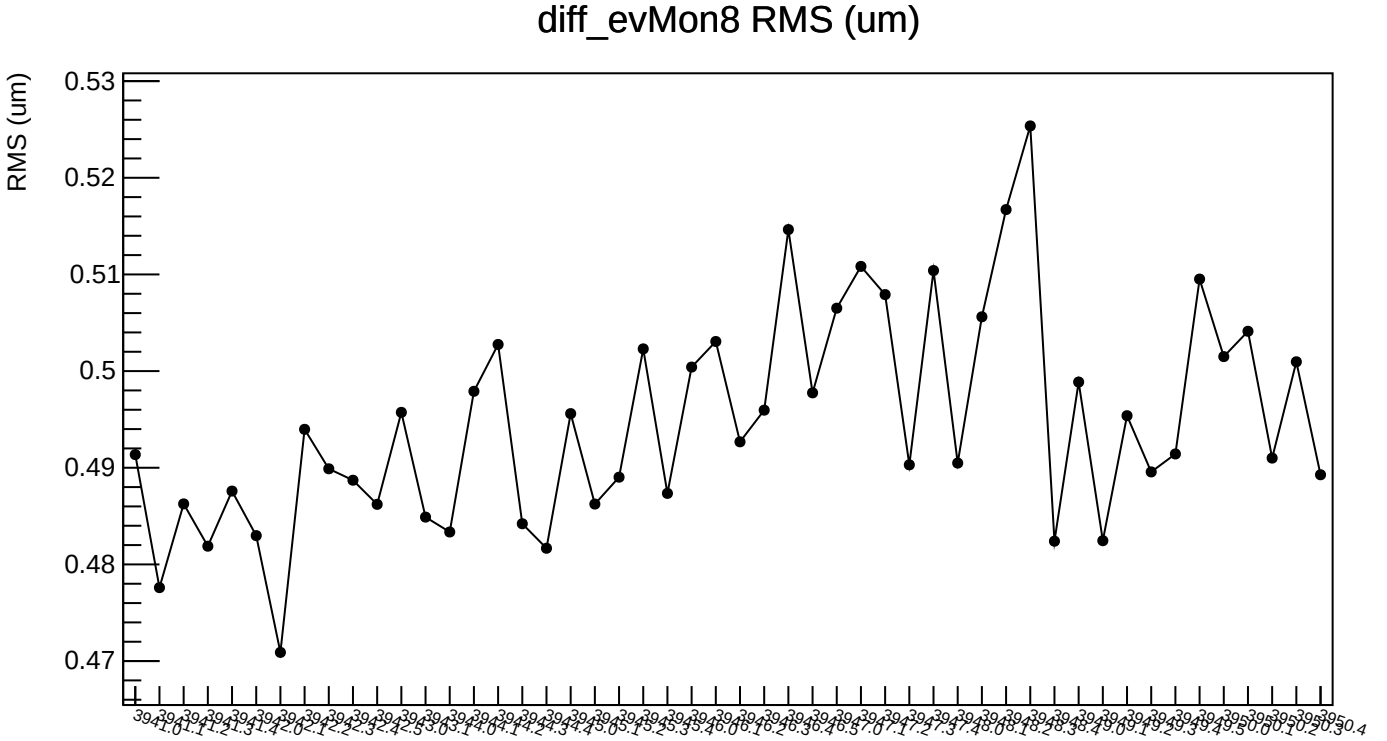

1D pull distribution
Mean −0.01764 ± 0.09812
Std Dev 0.6938 ± 0.06938
Underflow 0
Overflow 0
χ² / ndf 3.95 / 3
Constant 14.03 ± 2.86
Mean 0.04459 ± 0.12318
Sigma 0.7142 ± 0.1164

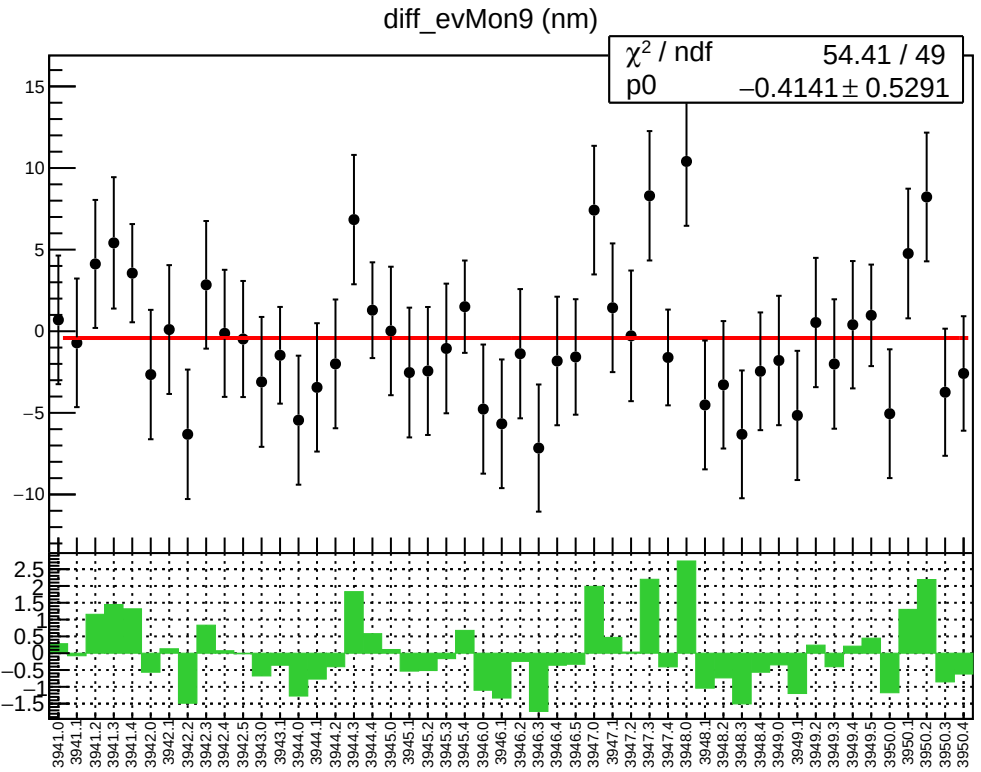

diff_evMon6 RMS (um)
RMS (um)
0.8
0.75
0.7
0.65
0.6

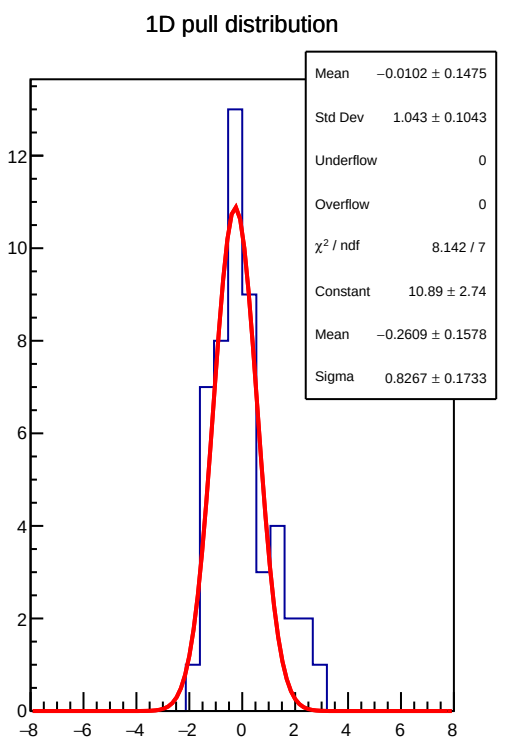

diff_evMon7 (nm)
χ² / ndf 56.4 / 49
p0 −0.2549 ± 1.071
1D pull distribution
Mean −0.01471 ± 0.1502
Std Dev 1.062 ± 0.1062
Underflow 0
Overflow 0
χ² / ndf 3.616 / 6
Constant 8.035 ± 1.489
Mean 0.0896 ± 0.2625
Sigma 1.336 ± 0.231

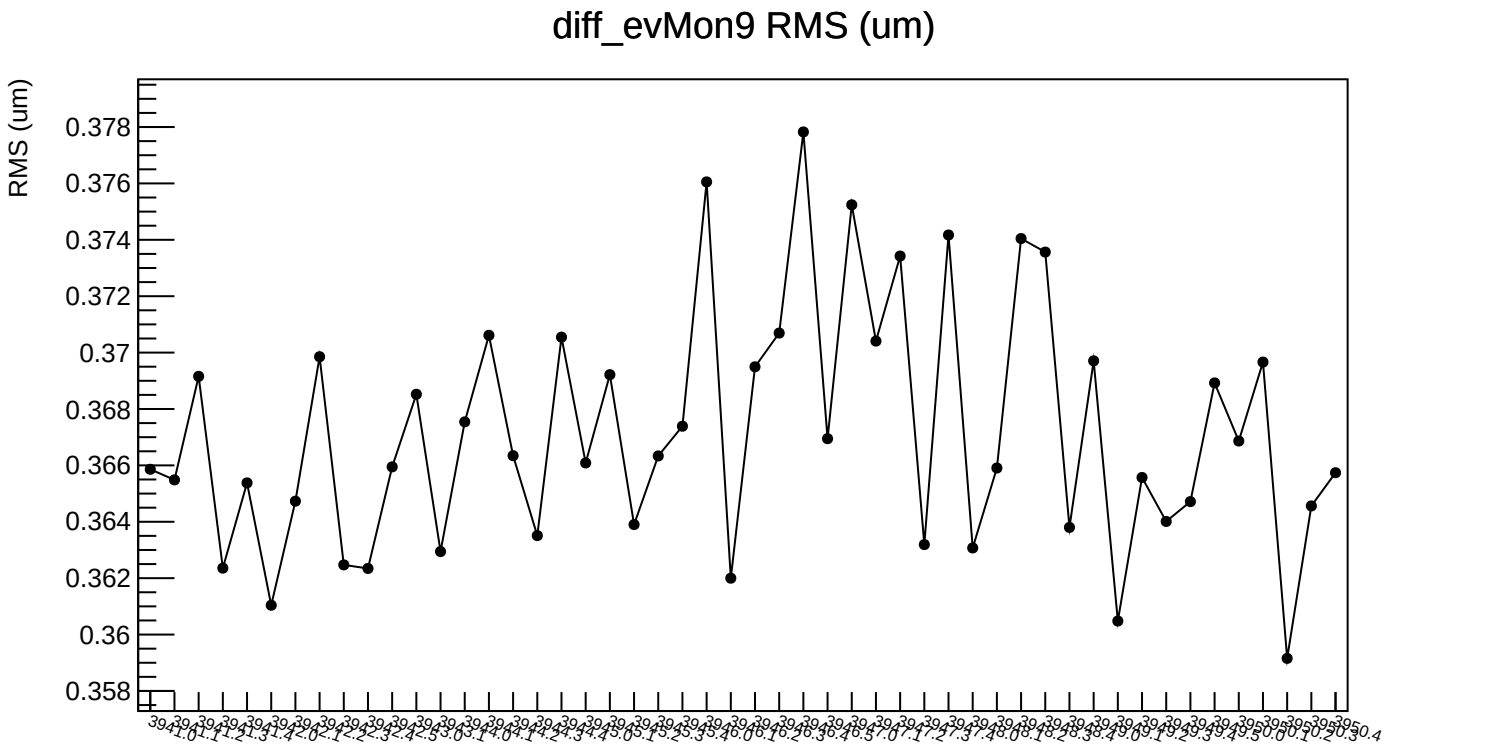

diff_evMon7 RMS (um)
RMS (um)
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78

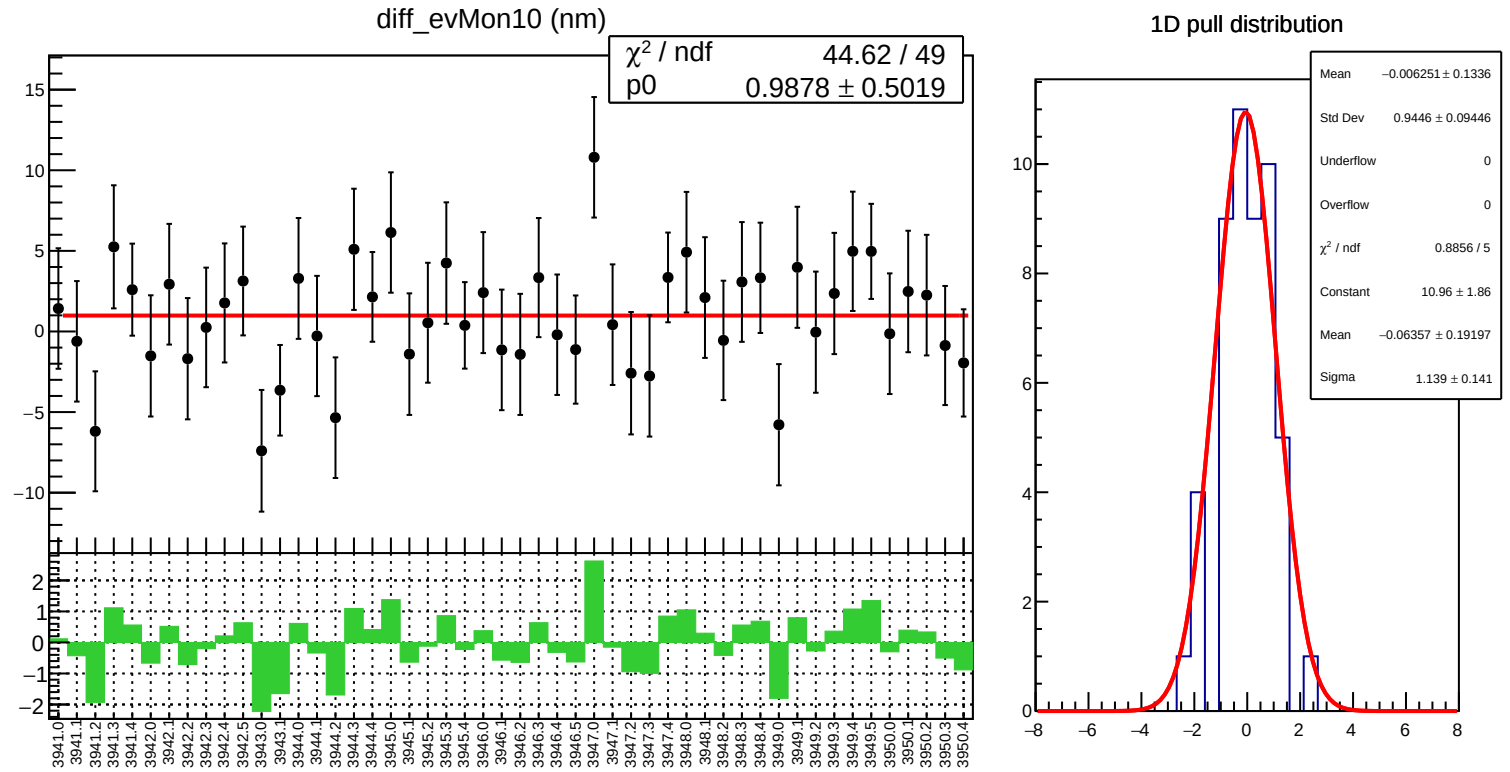

diff_evMon8 (nm)
χ² / ndf 45.86 / 49
p0 0.2015 ± 0.6536
1D pull distribution
Mean 0.002624 ± 0.1354
Std Dev 0.9577 ± 0.09577
Underflow 0
Overflow 0
χ² / ndf 2.843 / 5
Constant 9.732 ± 1.880
Mean 0.04684 ± 0.18001
Sigma 1.081 ± 0.179

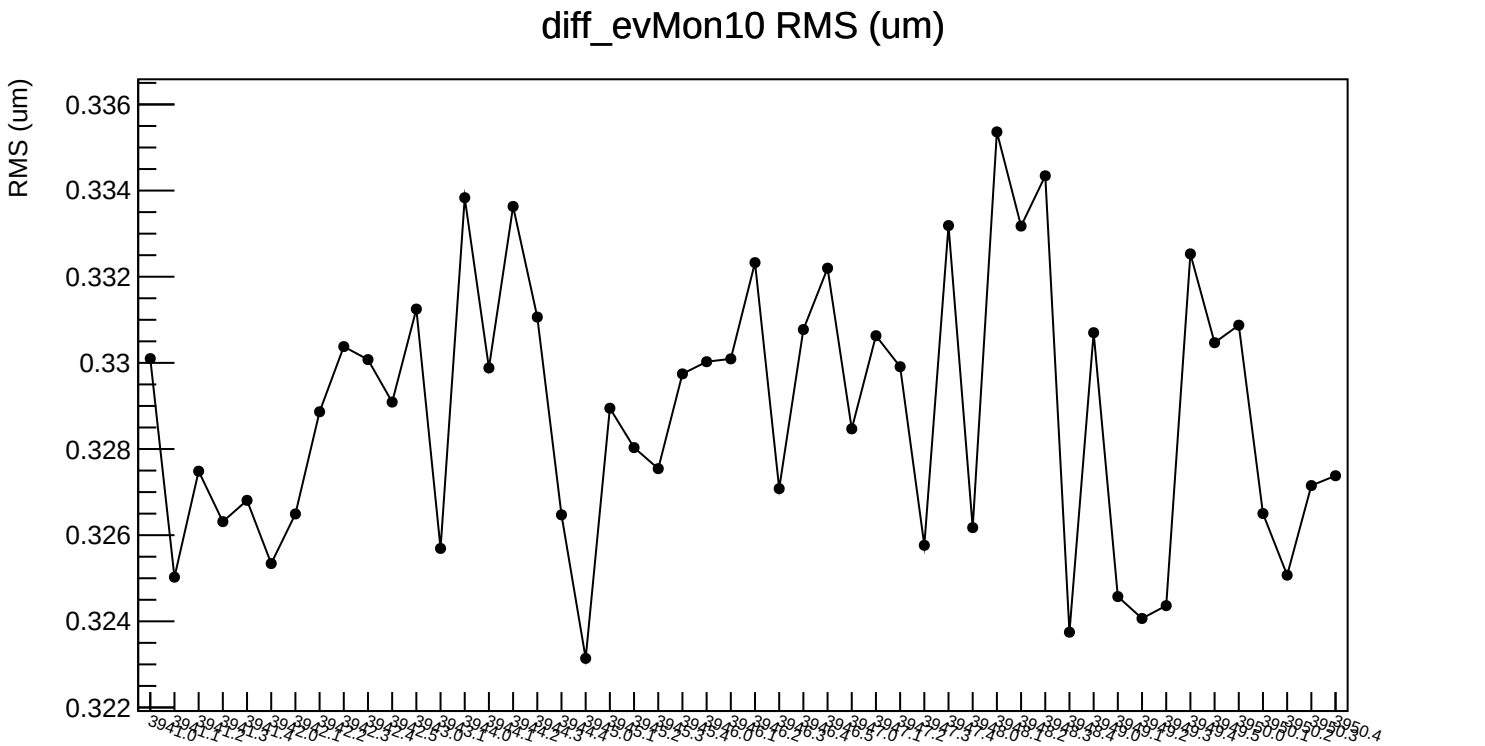

diff_evMon8 RMS (um)
RMS (um)
0.53
0.52
0.51
0.5
0.49
0.48
0.47

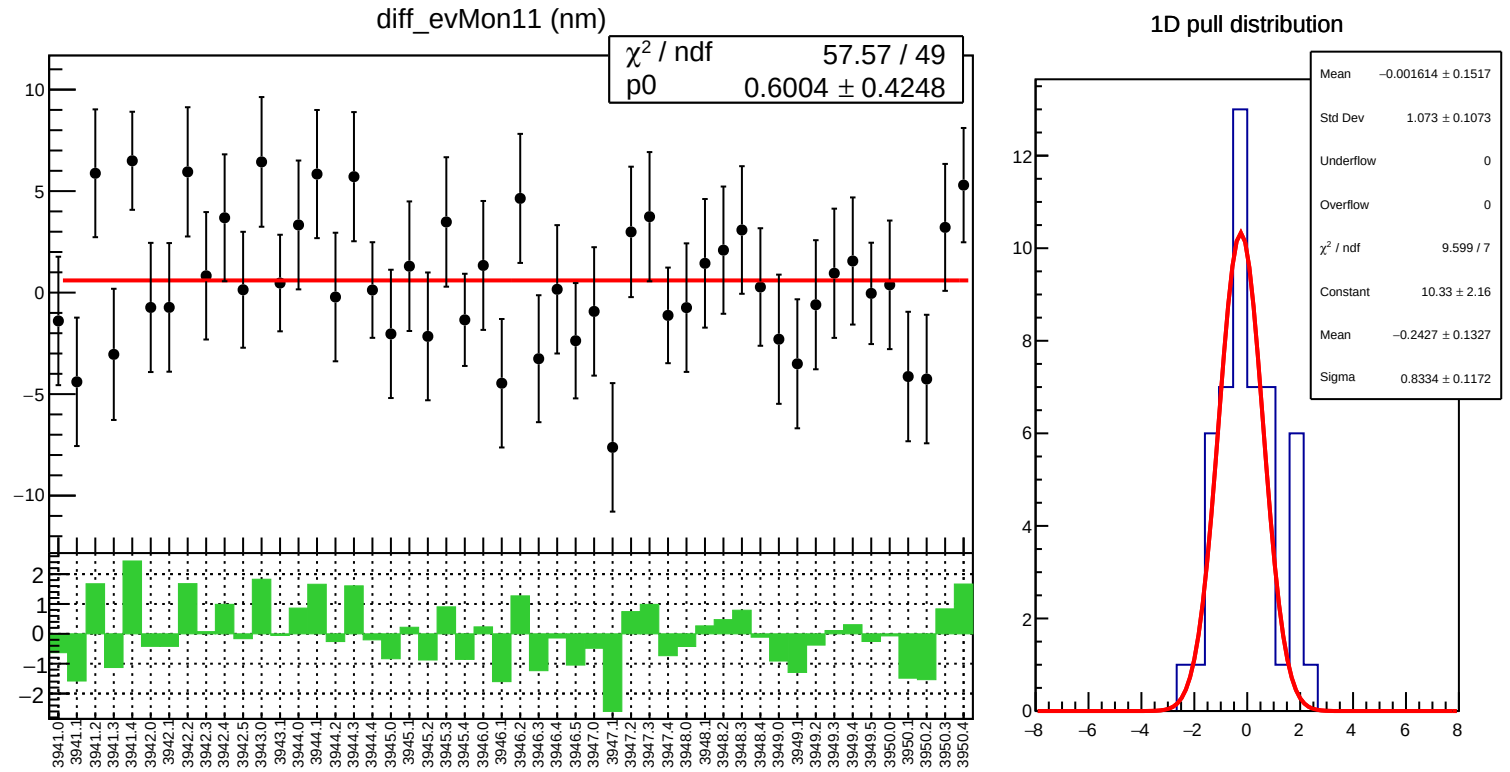

diff_evMon9 (nm)
χ² / ndf 54.41 / 49
p0 −0.4141 ± 0.5291

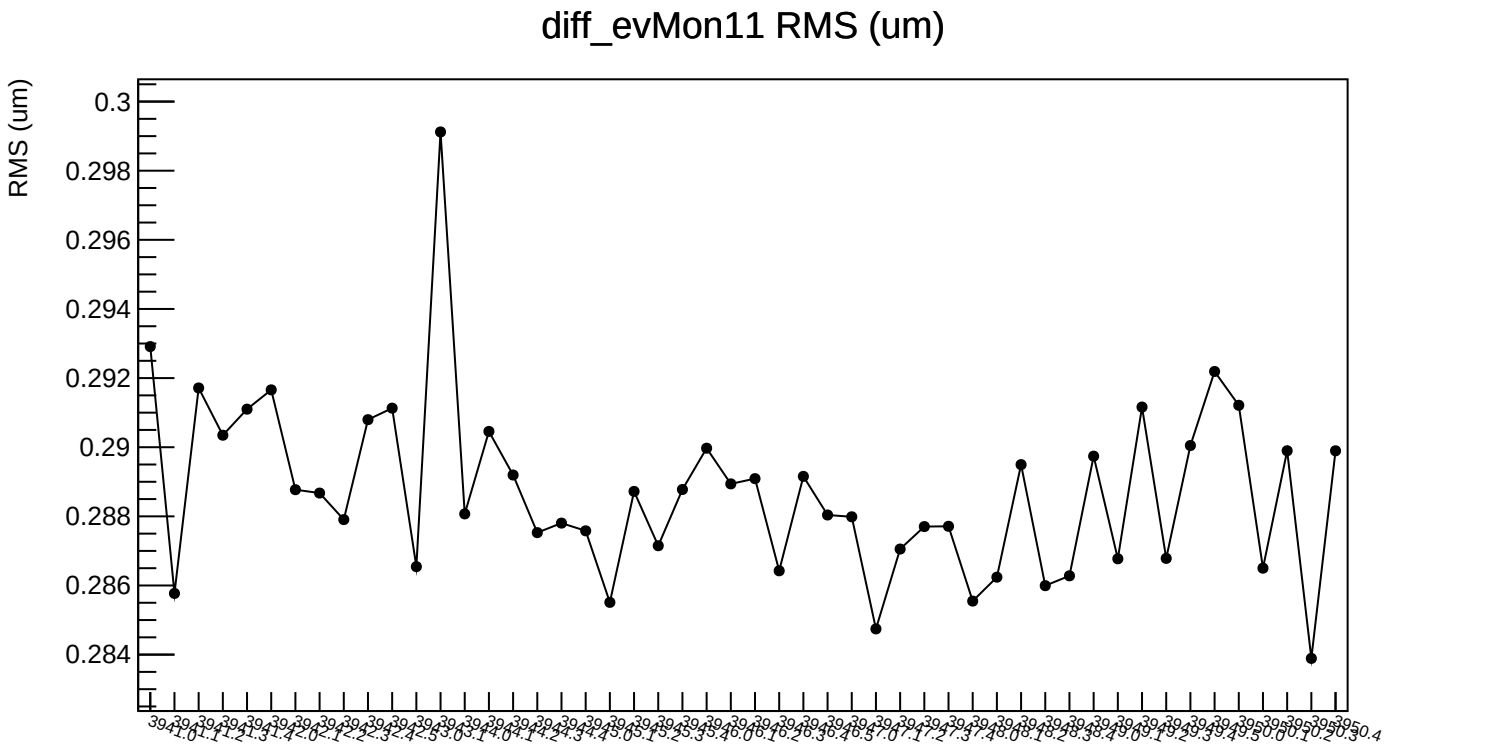

1D pull distribution
Mean −0.0102 ± 0.1475
Std Dev 1.043 ± 0.1043
Underflow 0
Overflow 0
χ² / ndf 8.142 / 7
Constant 10.89 ± 2.74
Mean −0.2609 ± 0.1578
Sigma 0.8267 ± 0.1733

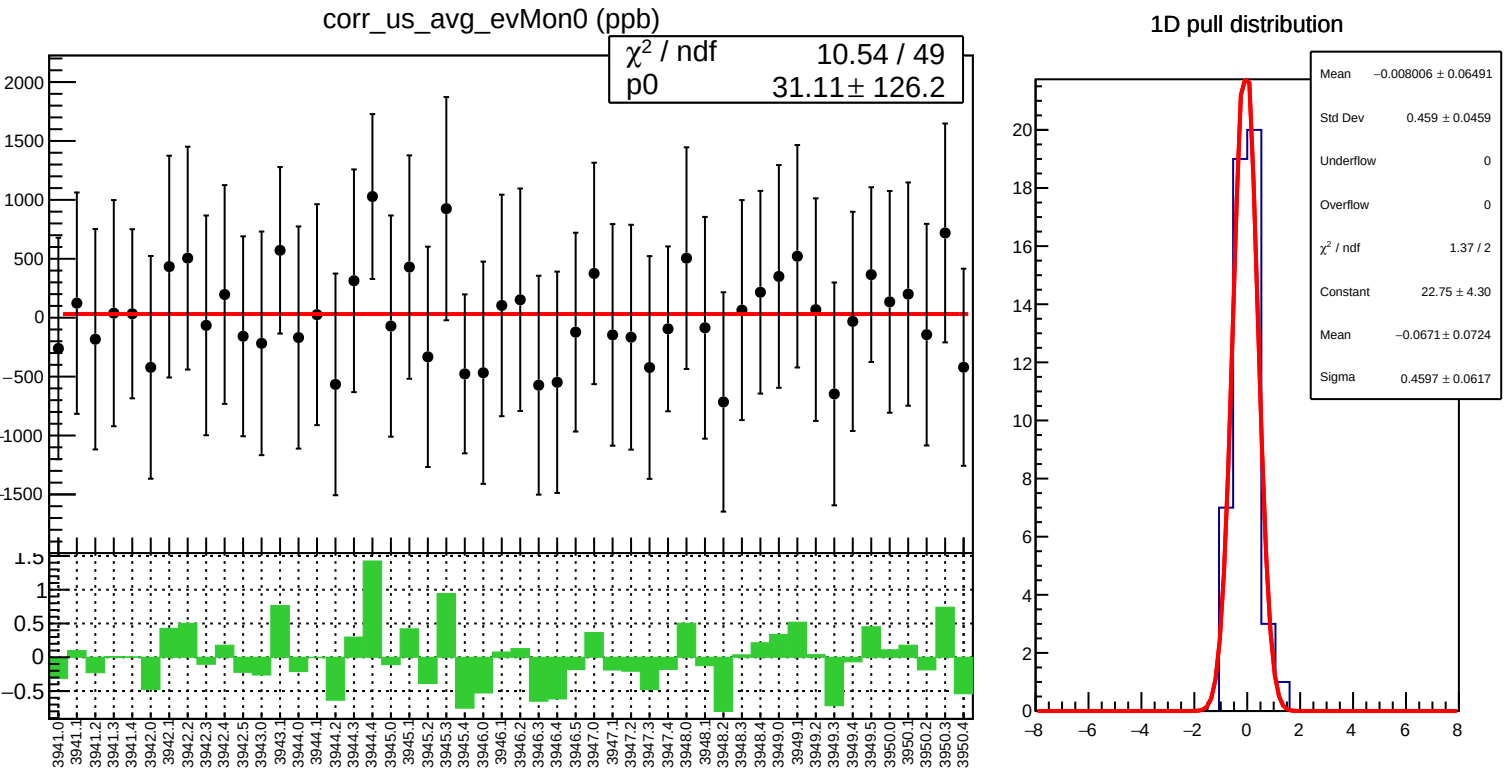

diff_evMon9 RMS (um)
RMS (um)
0.378
0.376
0.374
0.372
0.37
0.368
0.366
0.364
0.362
0.36
0.358

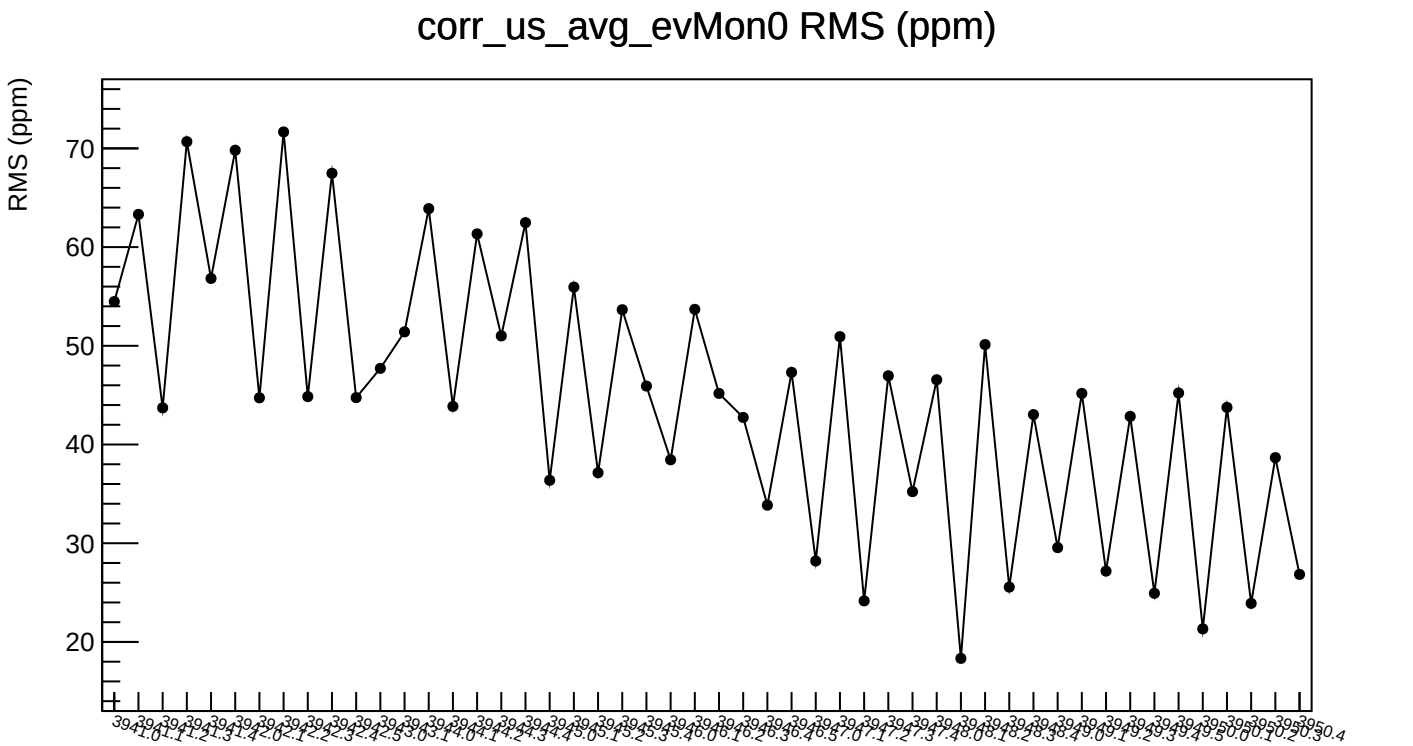

diff_evMon10 (nm)
χ² / ndf 44.62 / 49
p0 0.9878 ± 0.5019
1D pull distribution
Mean −0.006251 ± 0.1336
Std Dev 0.9446 ± 0.09446
Underflow 0
Overflow 0
χ² / ndf 0.8856 / 5
Constant 10.96 ± 1.86
Mean −0.06357 ± 0.19197
Sigma 1.139 ± 0.141

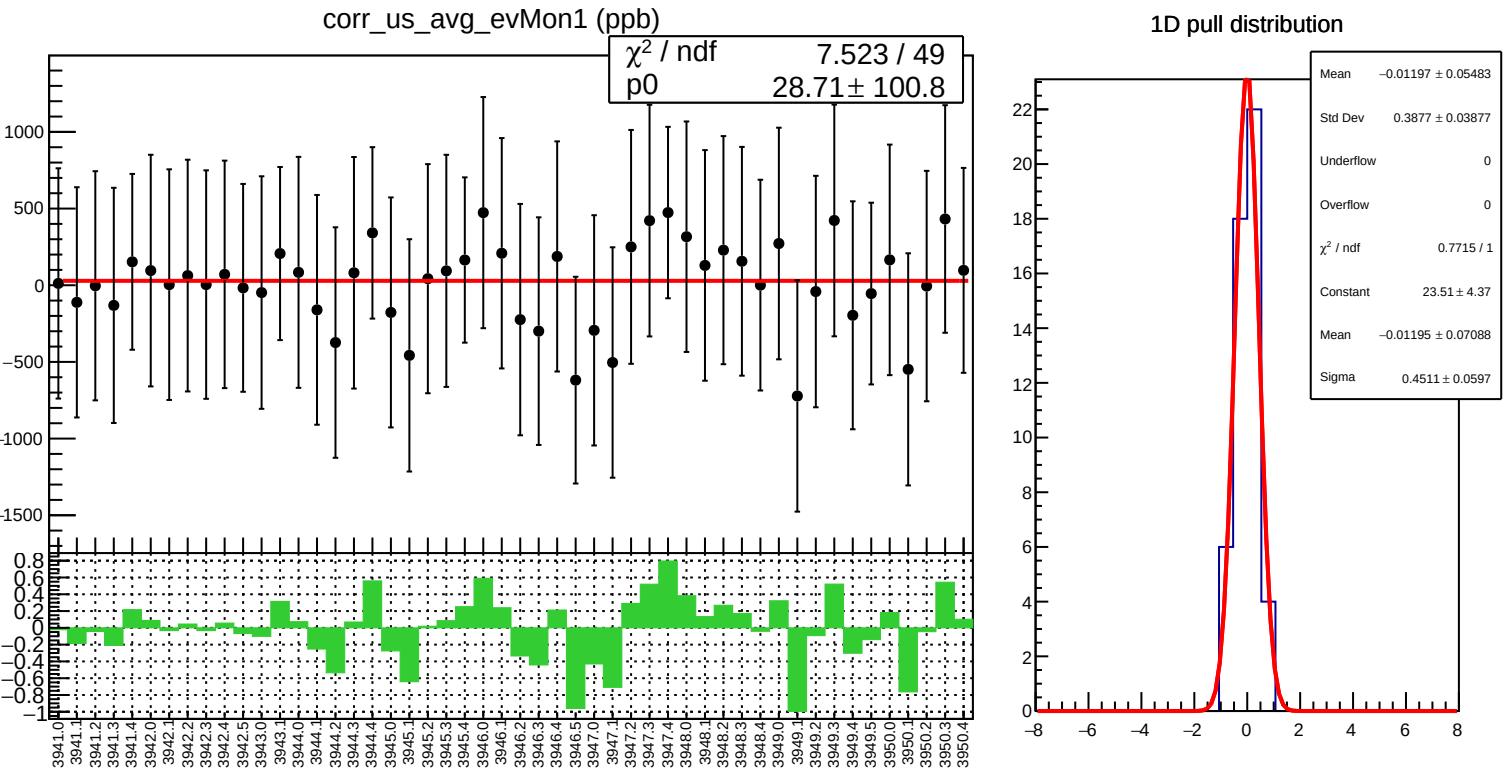

diff_evMon10 RMS (um)
RMS (um)
0.336
0.334
0.332
0.33
0.328
0.326
0.324
0.322

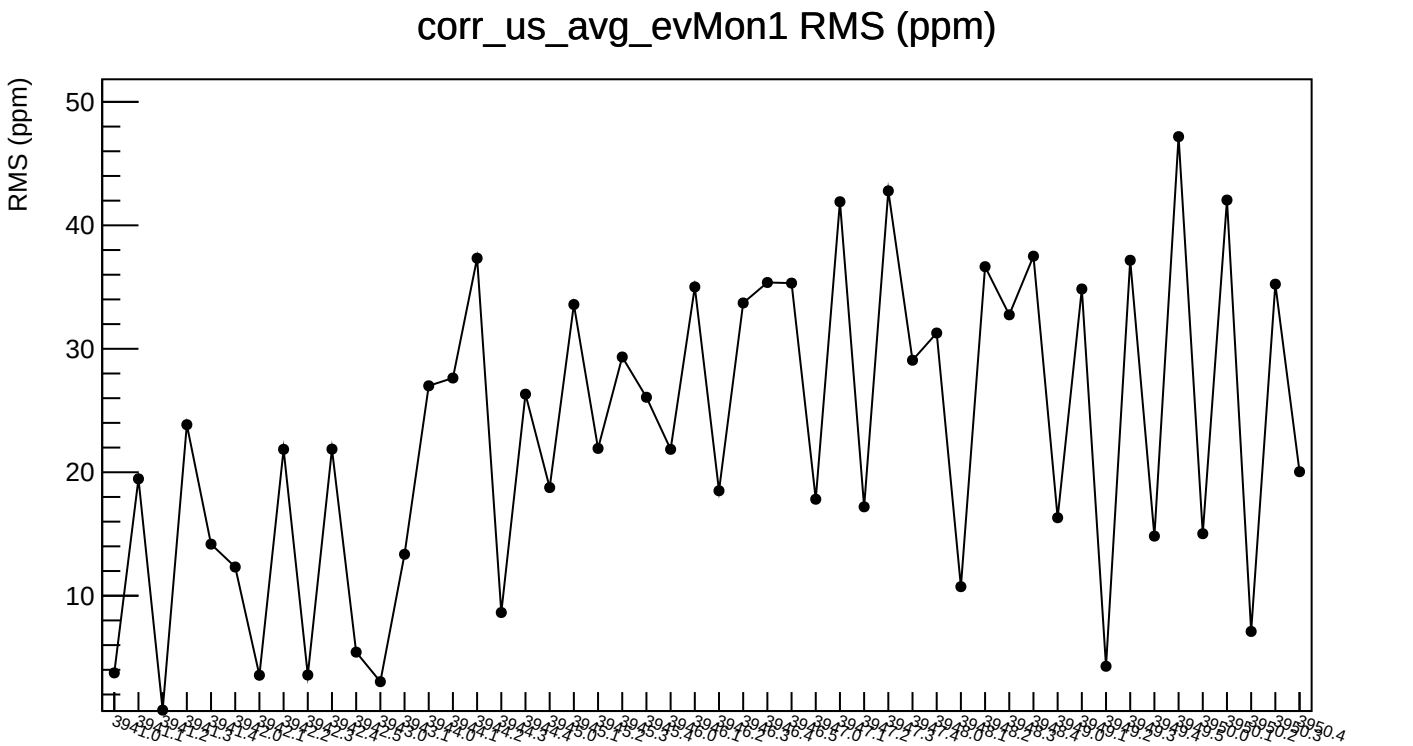

diff_evMon11 (nm)
χ² / ndf 57.57 / 49
p0 0.6004 ± 0.4248
1D pull distribution
Mean −0.001614 ± 0.1517
Std Dev 1.073 ± 0.1073
Underflow 0
Overflow 0
χ² / ndf 9.599 / 7
Constant 10.33 ± 2.16
Mean −0.2427 ± 0.1327
Sigma 0.8334 ± 0.1172

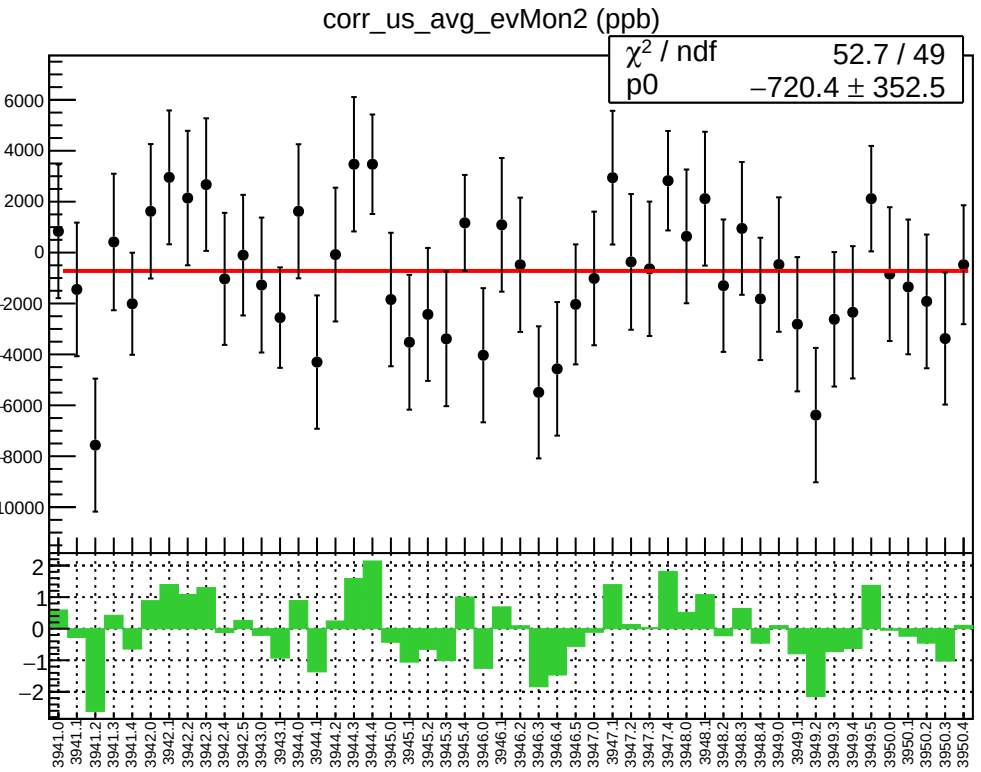

diff_evMon11 RMS (um)
RMS (um)
0.3
0.298
0.296
0.294
0.292
0.29
0.288
0.286
0.284

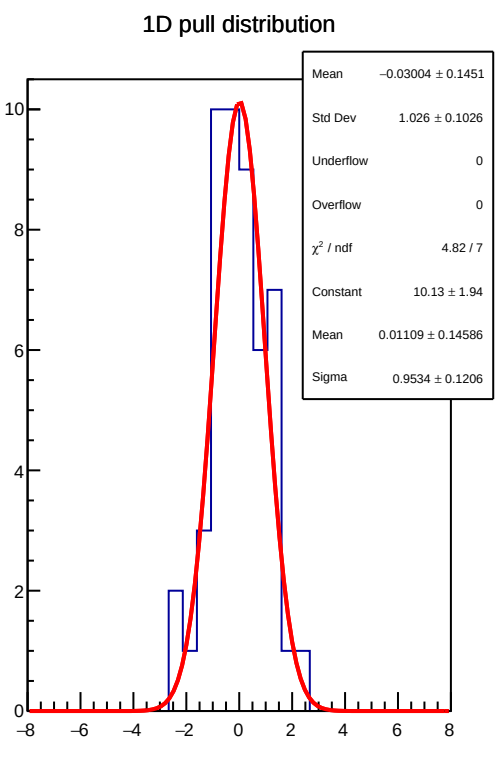

corr_us_avg_evMon0 (ppb)
χ² / ndf 10.54 / 49
p0 31.11 ± 126.2
2000
1500
1000
500
0
−500
−1000
−1500
1.5
1
0.5
0
−0.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4
1D pull distribution
Mean −0.008006 ± 0.06491
Std Dev 0.459 ± 0.0459
Underflow 0
Overflow 0
χ² / ndf 1.37 / 2
Constant 22.75 ± 4.30
Mean −0.0671 ± 0.0724
Sigma 0.4597 ± 0.0617
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

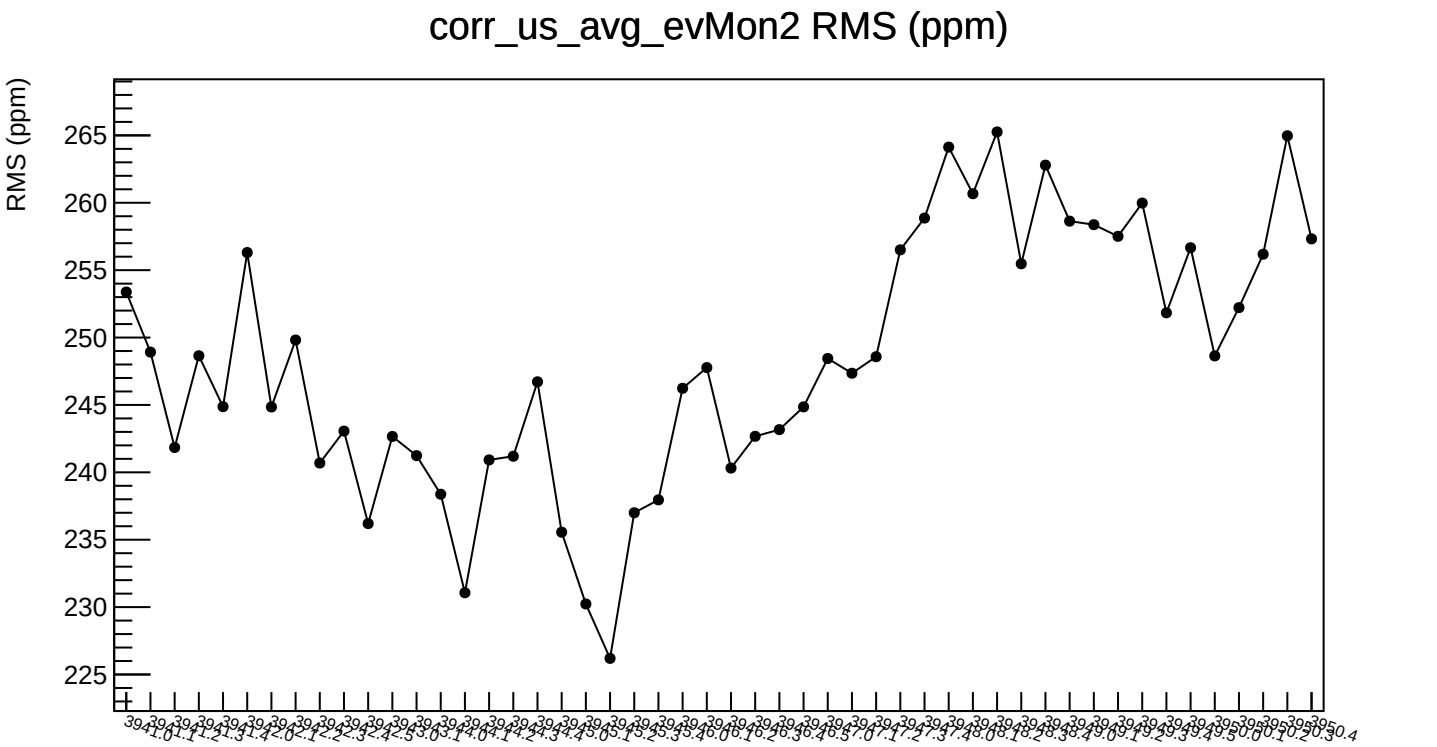

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
70
60
50
40
30
20

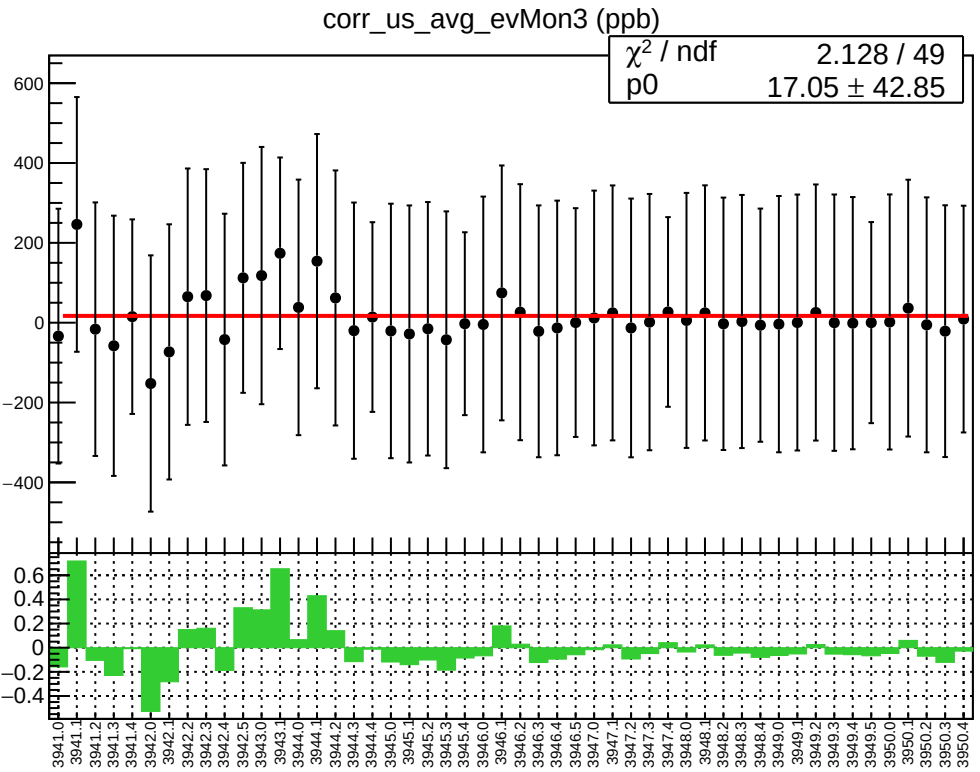

corr_us_avg_evMon1 (ppb)
χ² / ndf 7.523 / 49
p0 28.71 ± 100.8
1000
500
0
−500
−1000
−1500
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4
1D pull distribution
Mean −0.01197 ± 0.05483
Std Dev 0.3877 ± 0.03877
Underflow 0
Overflow 0
χ² / ndf 0.7715 / 1
Constant 23.51 ± 4.37
Mean −0.01195 ± 0.07088
Sigma 0.4511 ± 0.0597
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

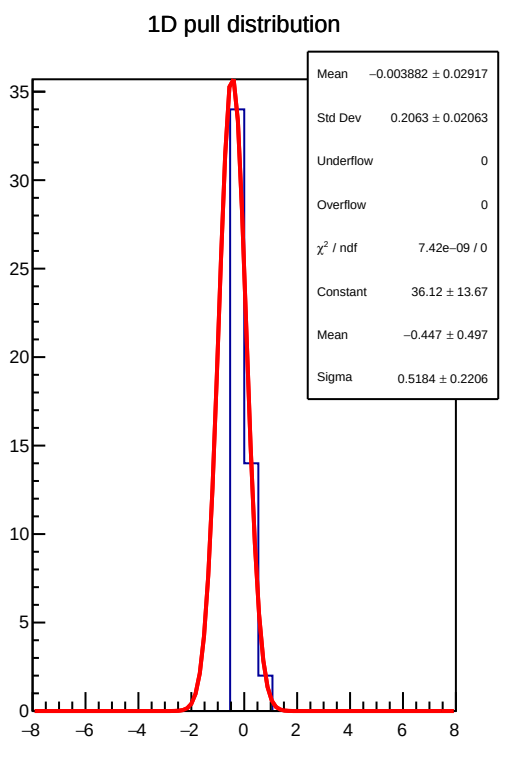

corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
50
40
30
20
10

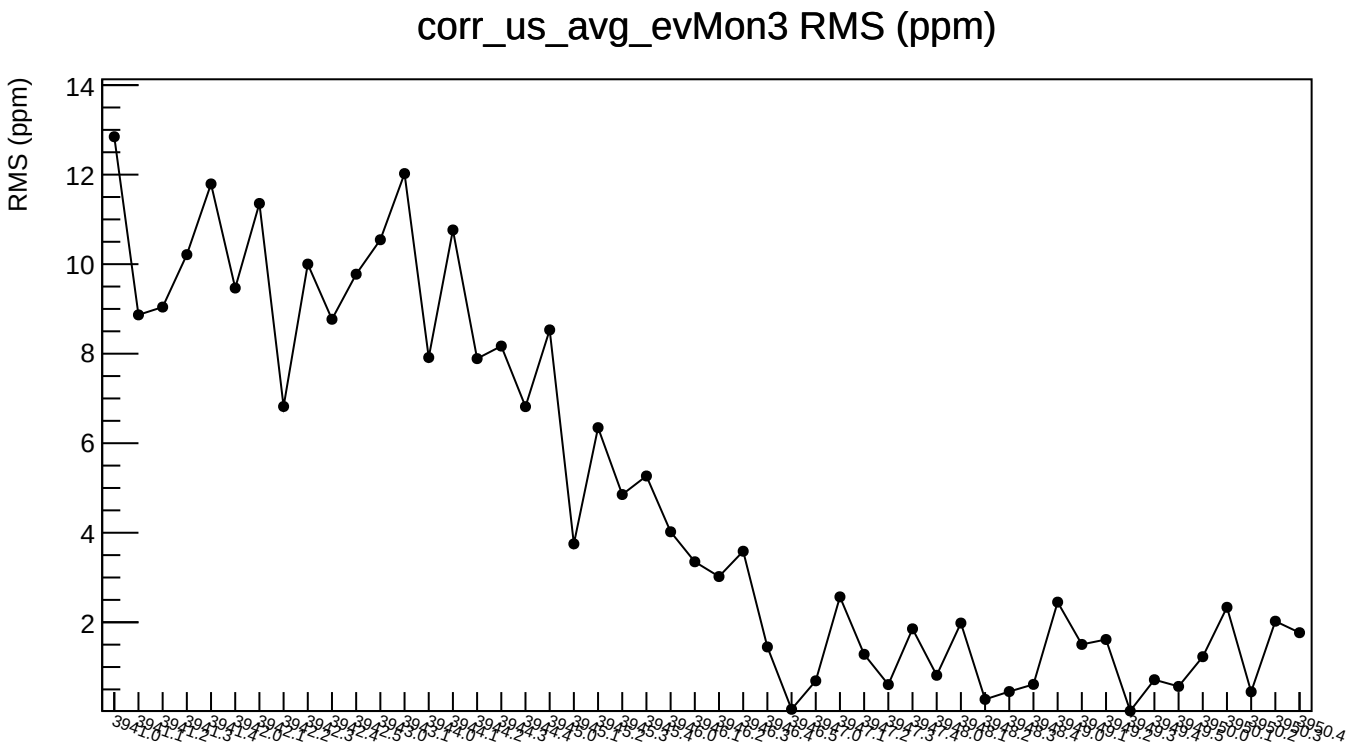

corr_us_avg_evMon2 (ppb)
χ² / ndf 52.7 / 49
p0 −720.4 ± 352.5
6000
4000
2000
0
-2000
-4000
-6000
-8000
10000
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

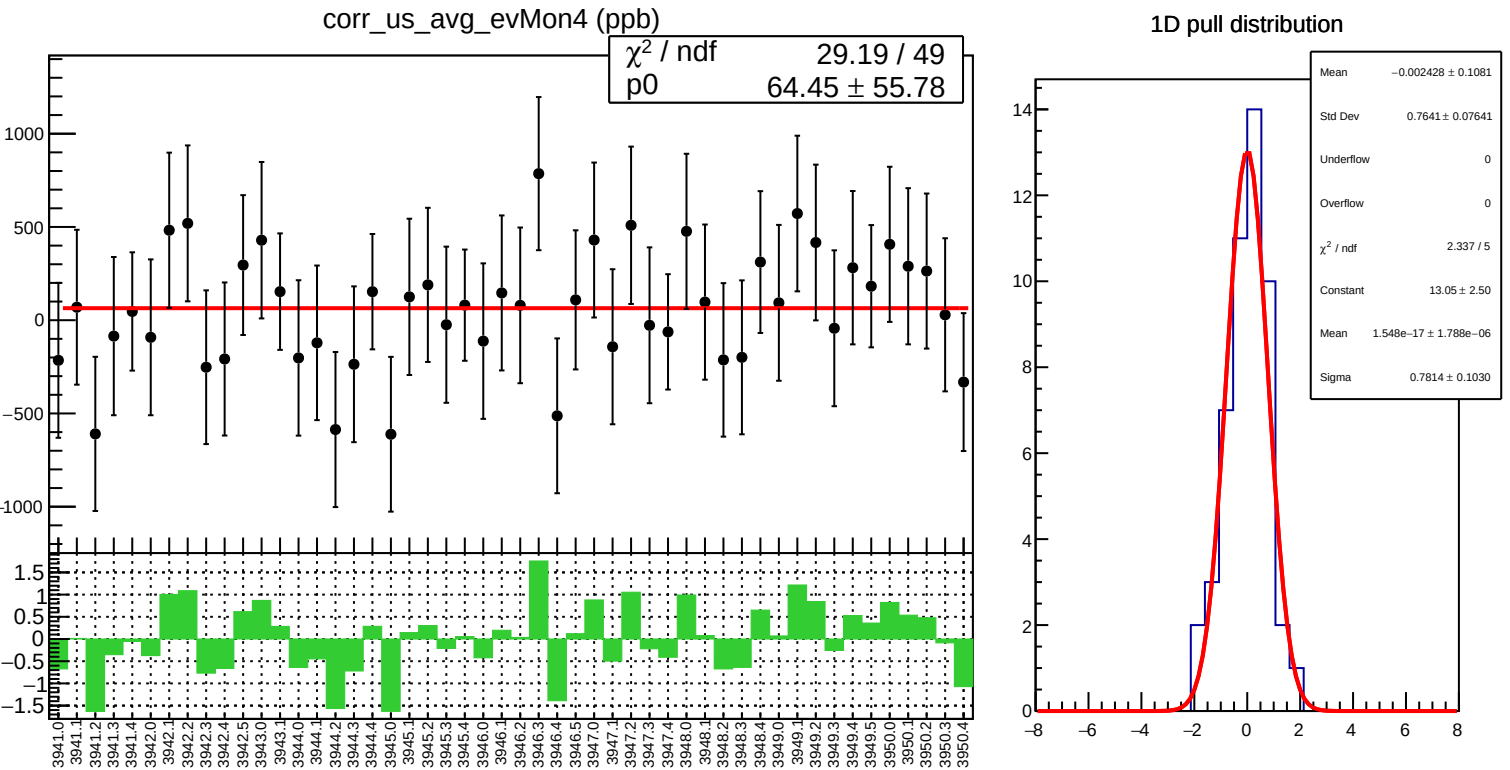

1D pull distribution
Mean −0.03004 ± 0.1451
Std Dev 1.026 ± 0.1026
Underflow 0
Overflow 0
χ² / ndf 4.82 / 7
Constant 10.13 ± 1.94
Mean 0.01109 ± 0.14586
Sigma 0.9534 ± 0.1206
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

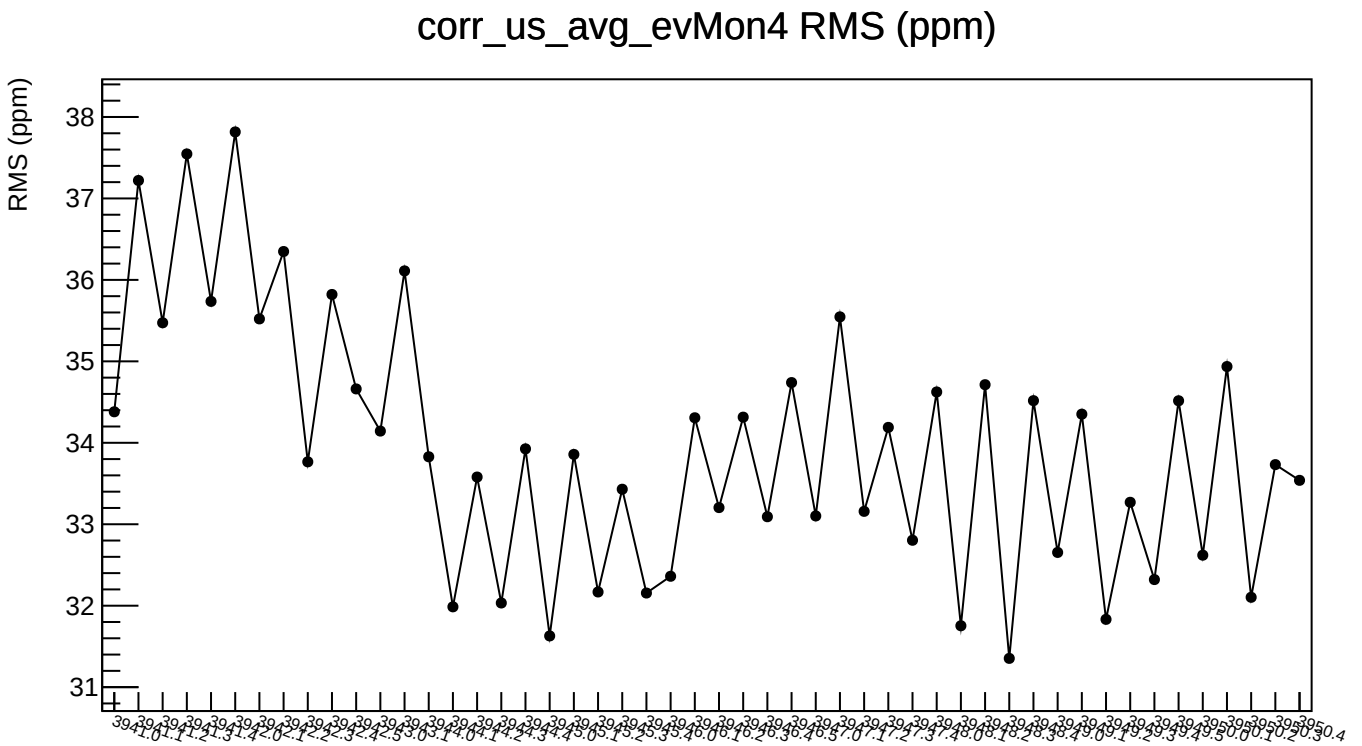

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
265
260
255
250
245
240
235
230
225

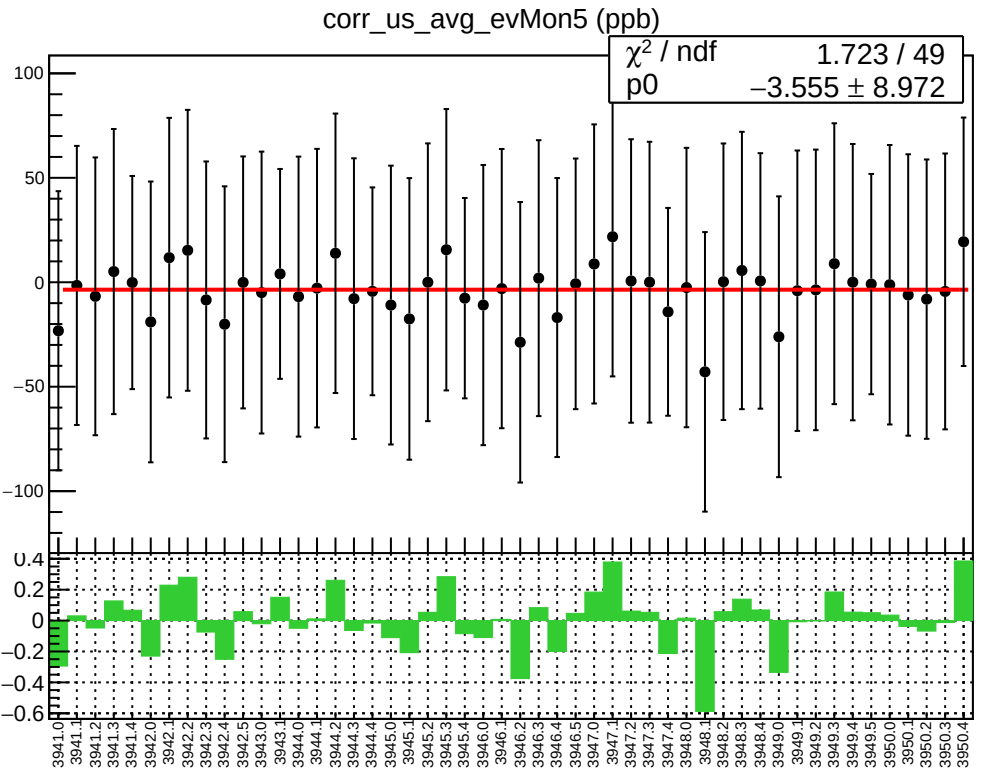

corr_us_avg_evMon3 (ppb)
χ² / ndf 2.128 / 49
p0 17.05 ± 42.85
600
400
200
0
−200
−400
0.6
0.4
0.2
0
−0.2
−0.4
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

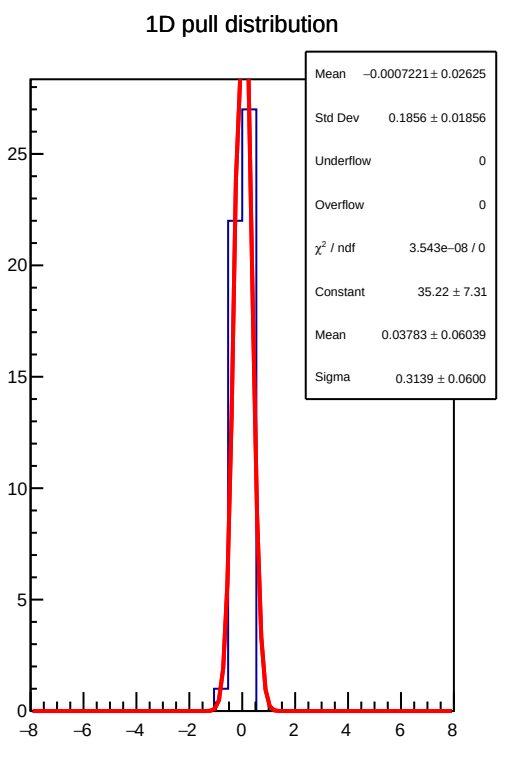

1D pull distribution
Mean −0.003882 ± 0.02917
Std Dev 0.2063 ± 0.02063
Underflow 0
Overflow 0
χ² / ndf 7.42e−09 / 0
Constant 36.12 ± 13.67
Mean −0.447 ± 0.497
Sigma 0.5184 ± 0.2206
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

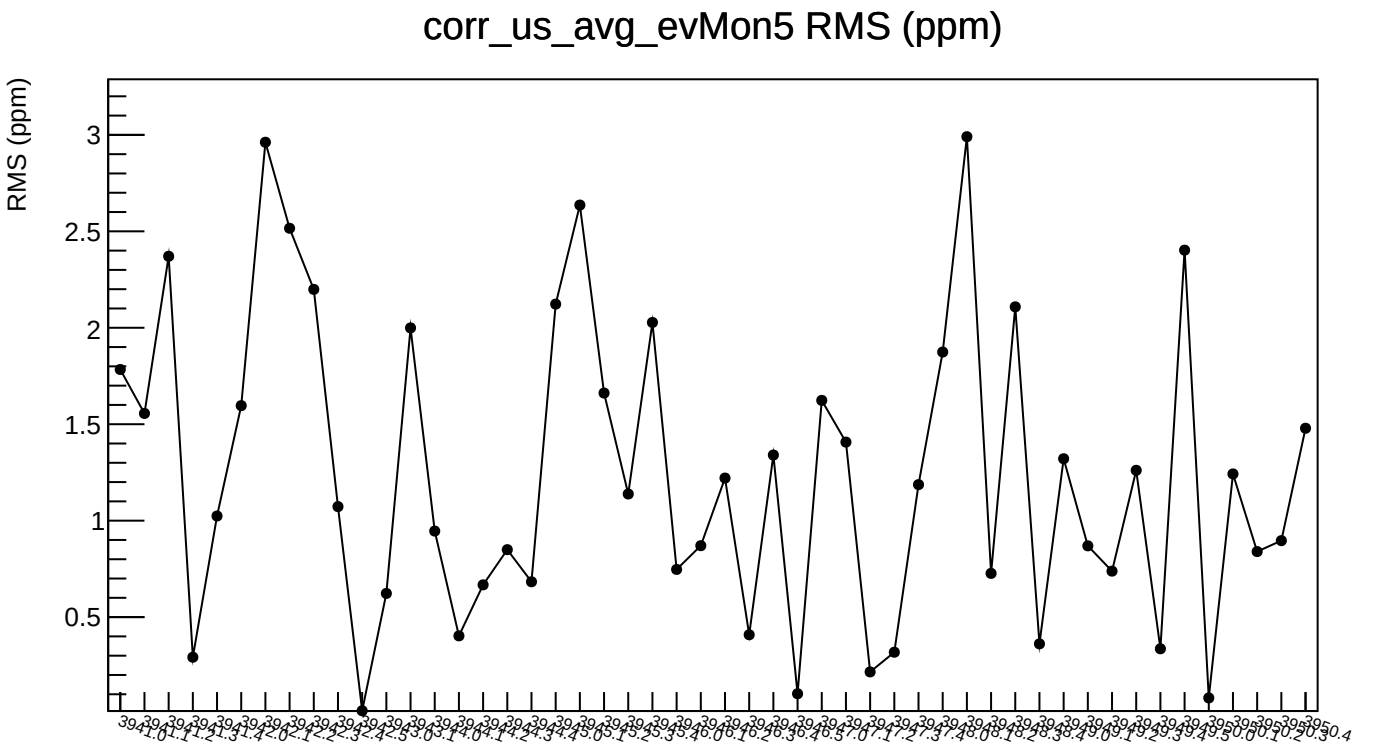

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
2

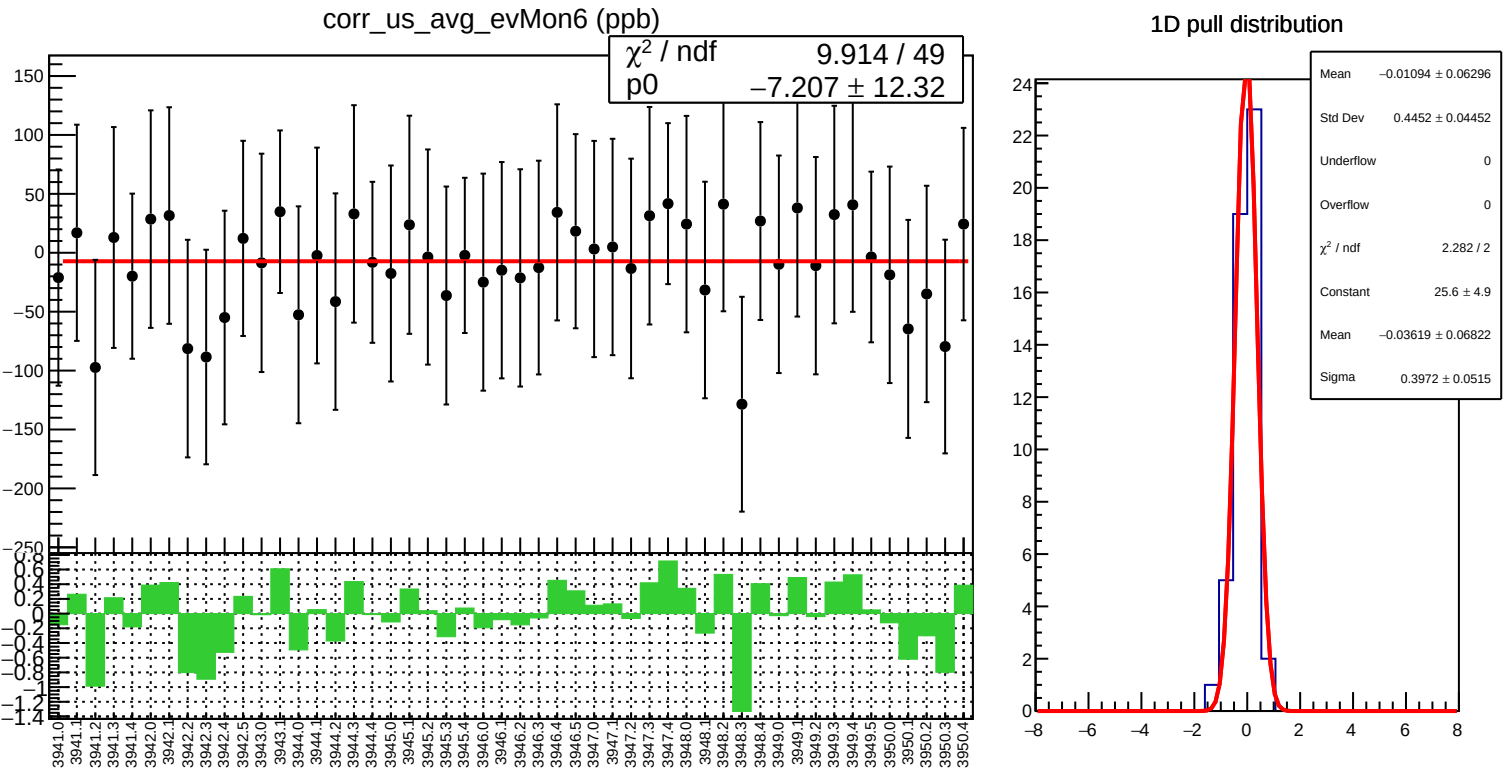

corr_us_avg_evMon4 (ppb)
χ² / ndf 29.19 / 49
p0 64.45 ± 55.78
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4
1D pull distribution
Mean −0.002428 ± 0.1081
Std Dev 0.7641 ± 0.07641
Underflow 0
Overflow 0
χ² / ndf 2.337 / 5
Constant 13.05 ± 2.50
Mean 1.548e−17 ± 1.788e−06
Sigma 0.7814 ± 0.1030
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

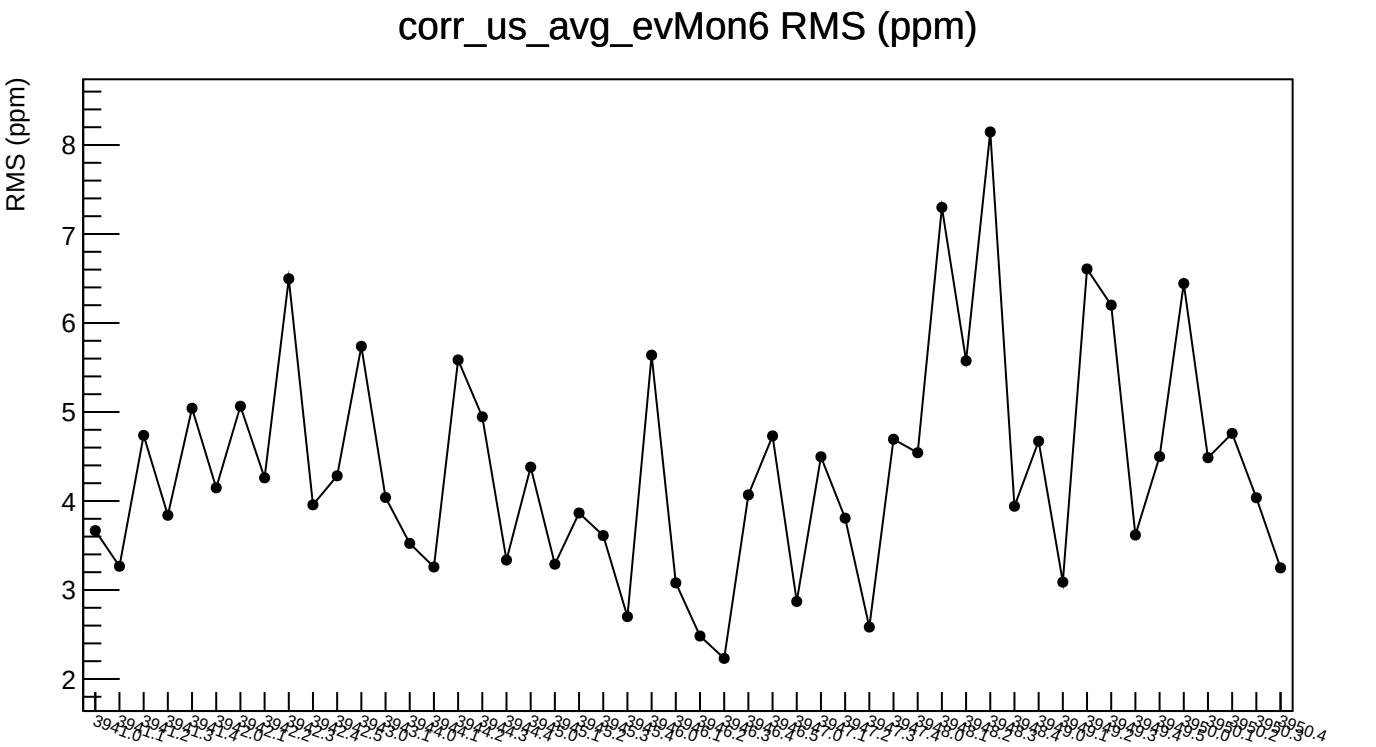

corr_us_avg_evMon4 RMS (ppm)
RMS (ppm)
38
37
36
35
34
33
32
31

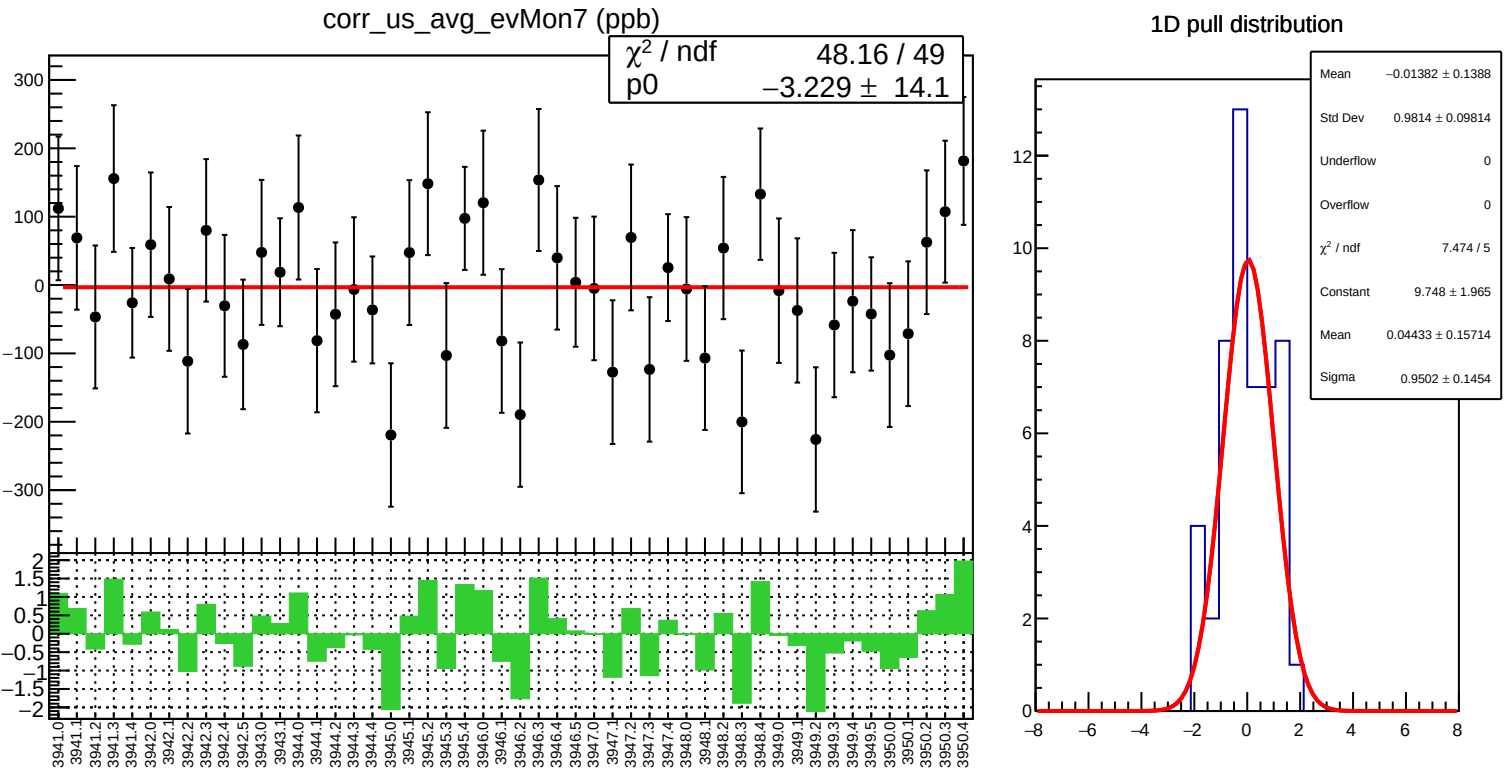

corr_us_avg_evMon5 (ppb)
χ² / ndf 1.723 / 49
p0 −3.555 ± 8.972
100
50
0
−50
−100
0.4
0.2
0
−0.2
−0.4
−0.6
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

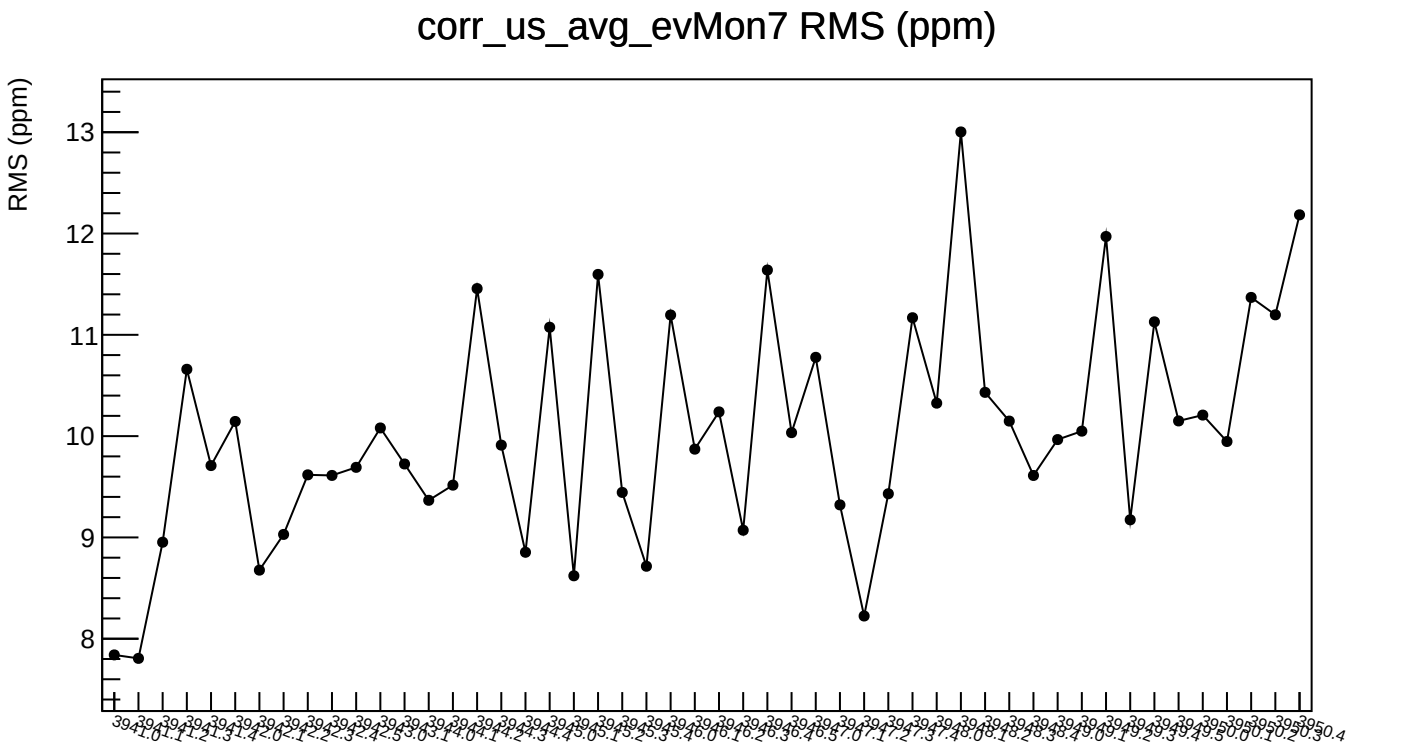

1D pull distribution
Mean −0.0007221 ± 0.02625
Std Dev 0.1856 ± 0.01856
Underflow 0
Overflow 0
χ² / ndf 3.543e−08 / 0
Constant 35.22 ± 7.31
Mean 0.03783 ± 0.06039
Sigma 0.3139 ± 0.0600
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

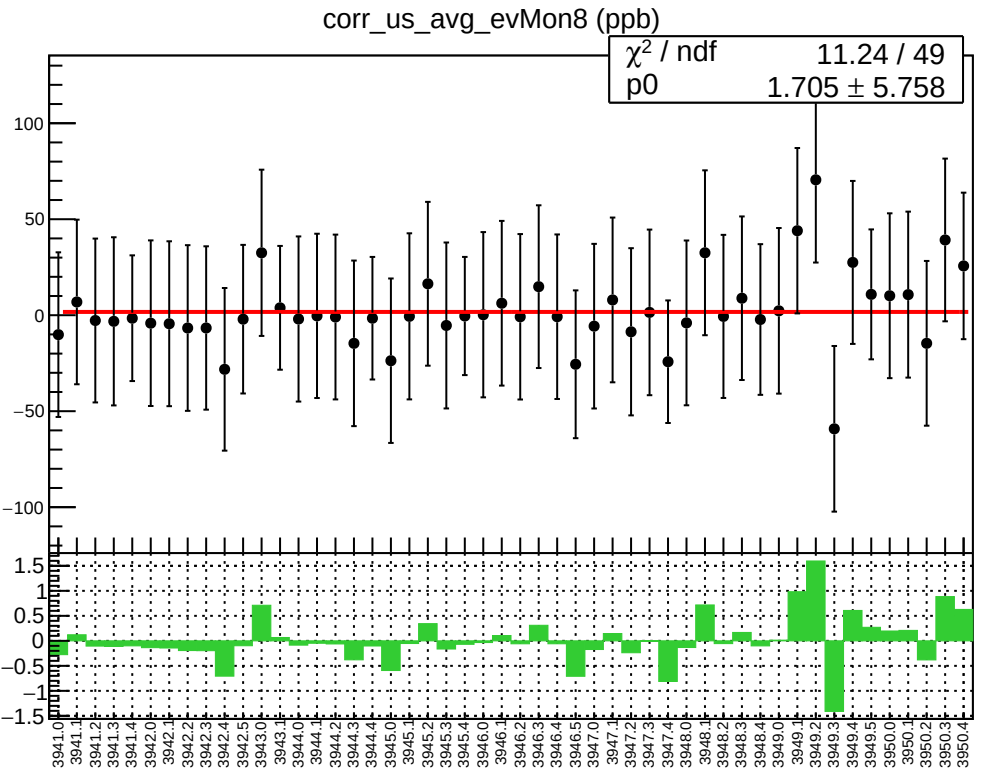

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
3
2.5
2
1.5
1
0.5

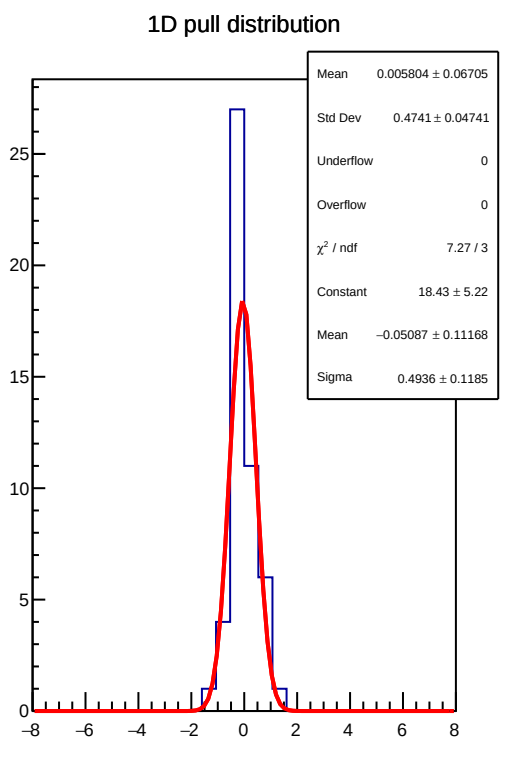

corr_us_avg_evMon6 (ppb)
χ² / ndf 9.914 / 49
p0 −7.207 ± 12.32
1D pull distribution
Mean −0.01094 ± 0.06296
Std Dev 0.4452 ± 0.04452
Underflow 0
Overflow 0
χ² / ndf 2.282 / 2
Constant 25.6 ± 4.9
Mean −0.03619 ± 0.06822
Sigma 0.3972 ± 0.0515

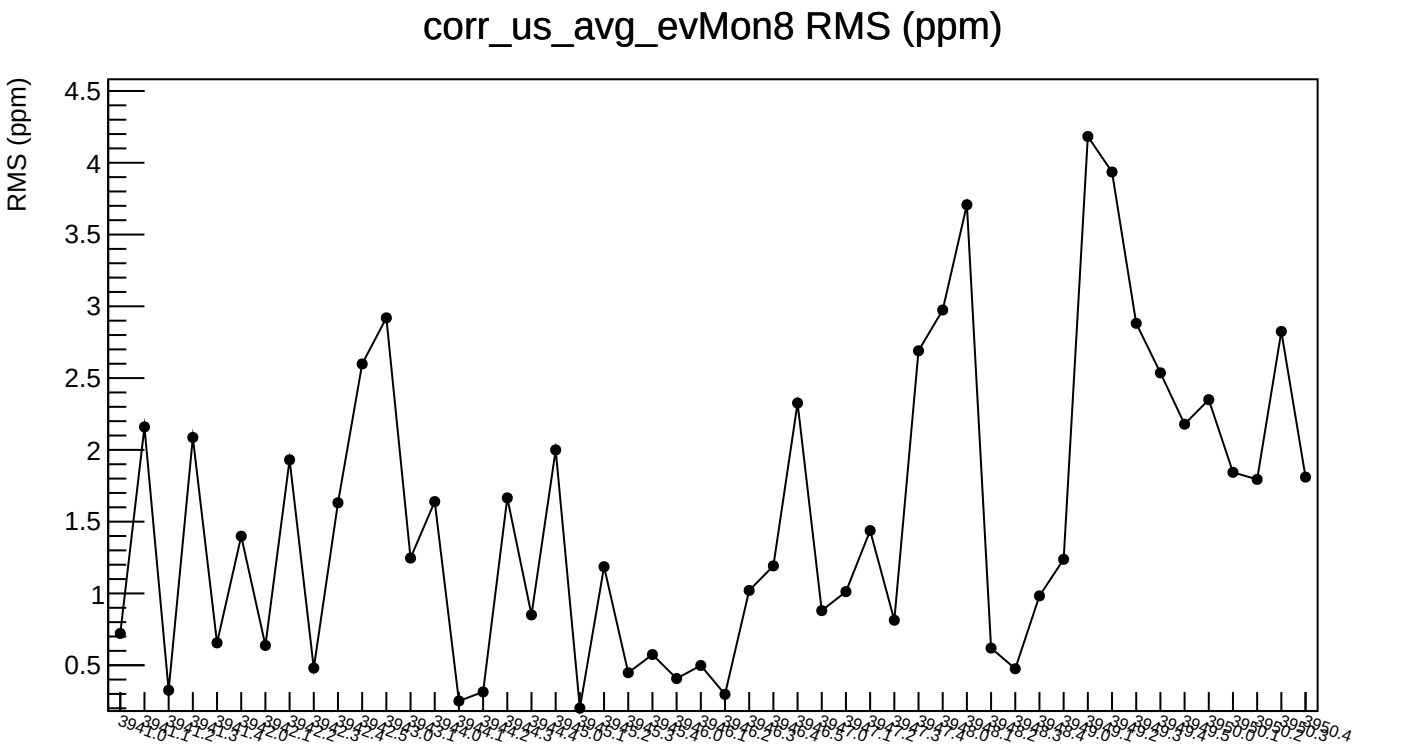

corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
2
3
4
5
6
7
8

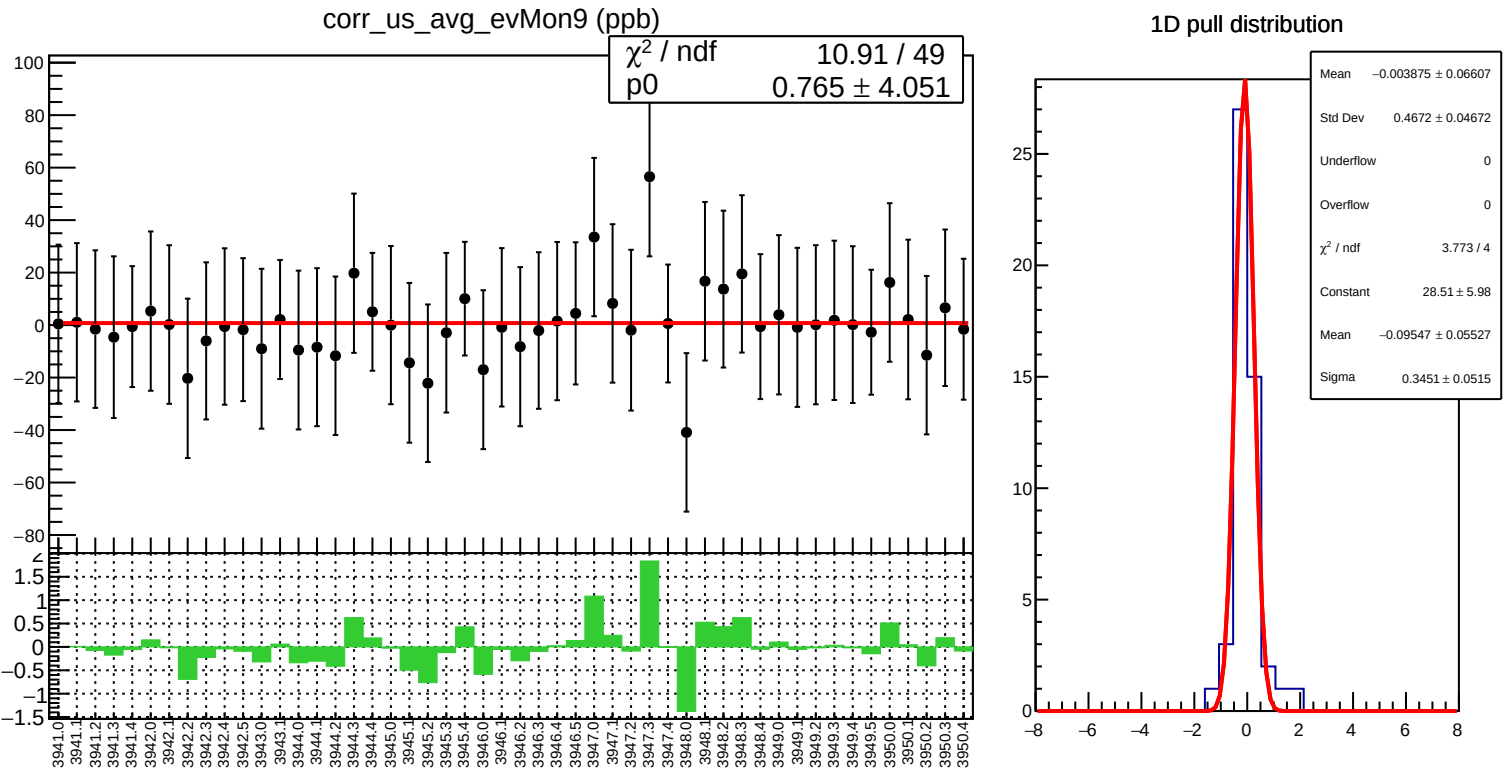

corr_us_avg_evMon7 (ppb)
χ² / ndf 48.16 / 49
p0 −3.229 ± 14.1
1D pull distribution
Mean −0.01382 ± 0.1388
Std Dev 0.9814 ± 0.09814
Underflow 0
Overflow 0
χ² / ndf 7.474 / 5
Constant 9.748 ± 1.965
Mean 0.04433 ± 0.15714
Sigma 0.9502 ± 0.1454

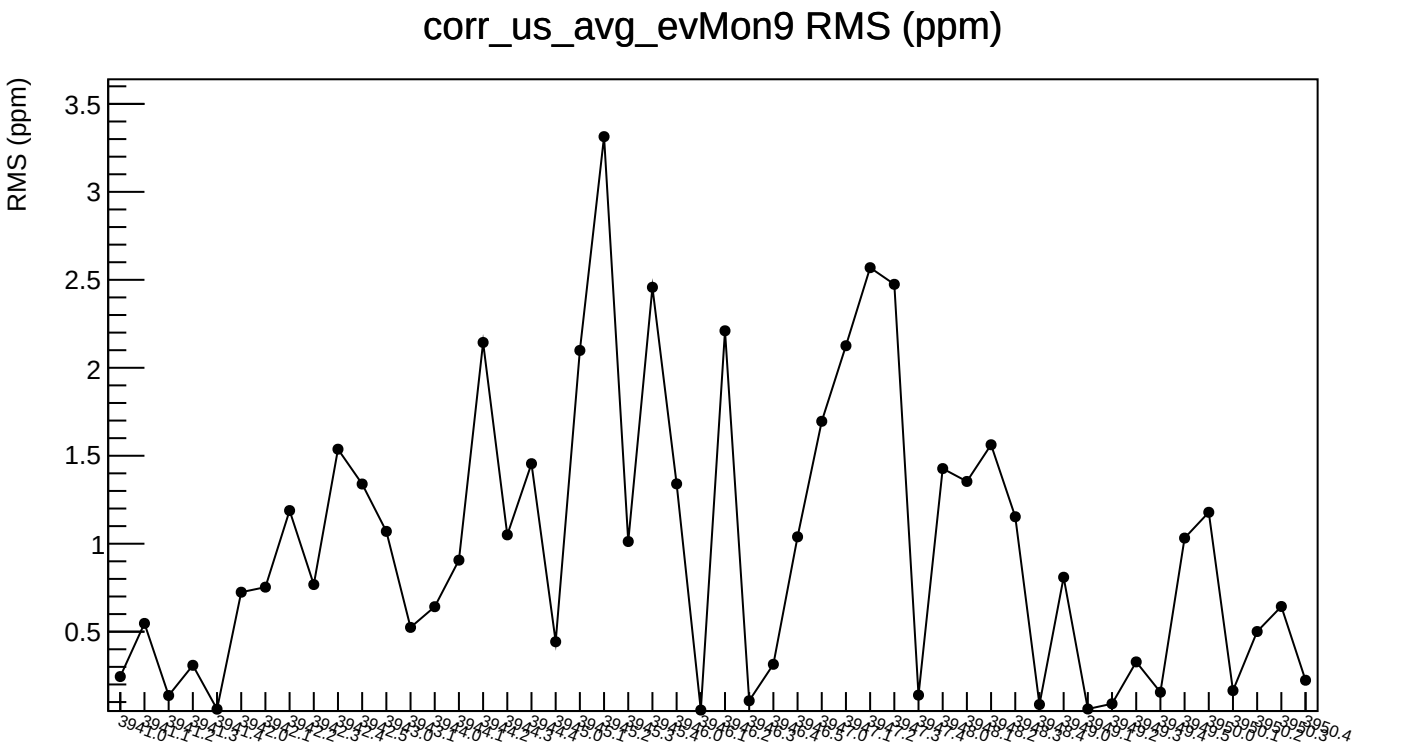

corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
13
12
11
10
9
8

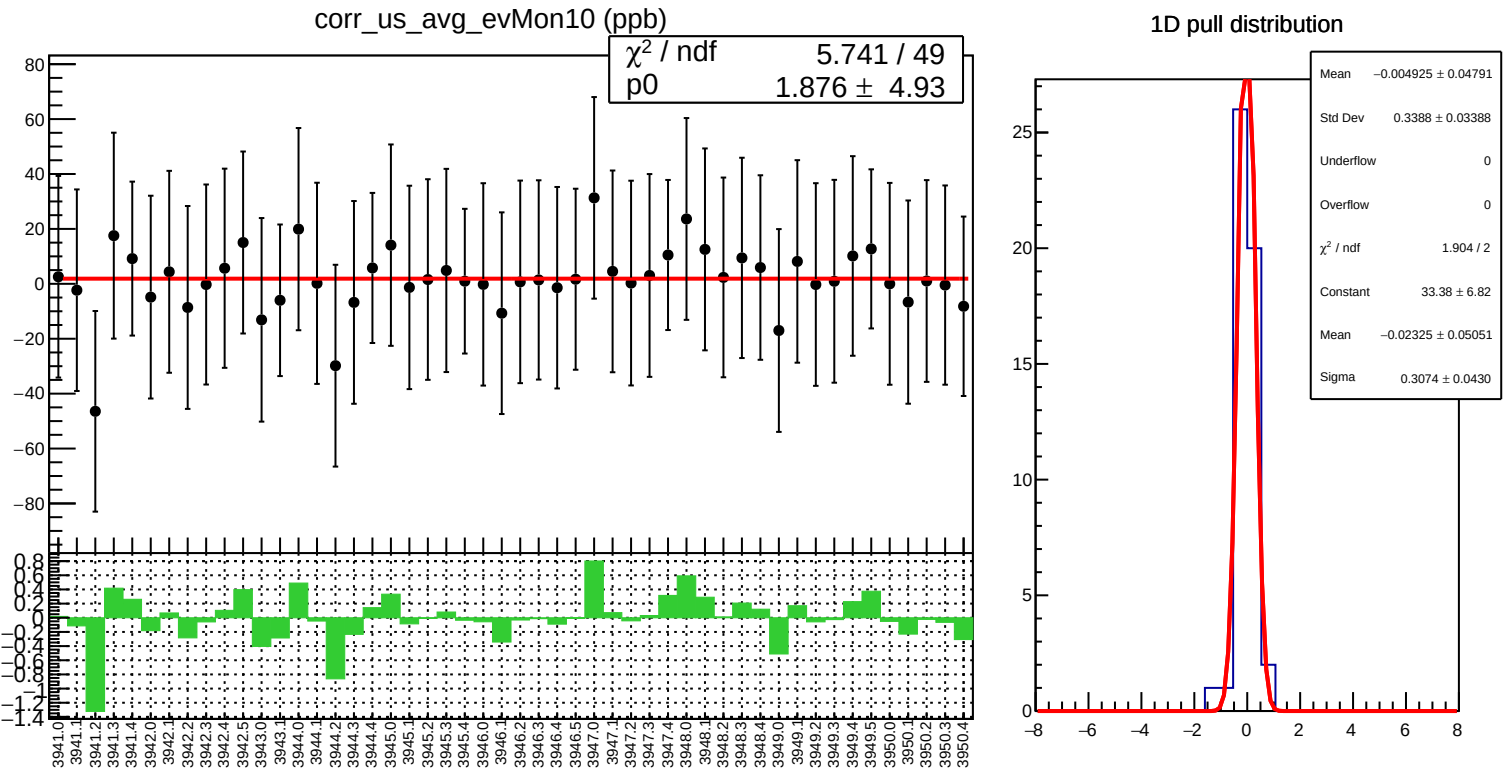

corr_us_avg_evMon8 (ppb)
χ² / ndf 11.24 / 49
p0 1.705 ± 5.758
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

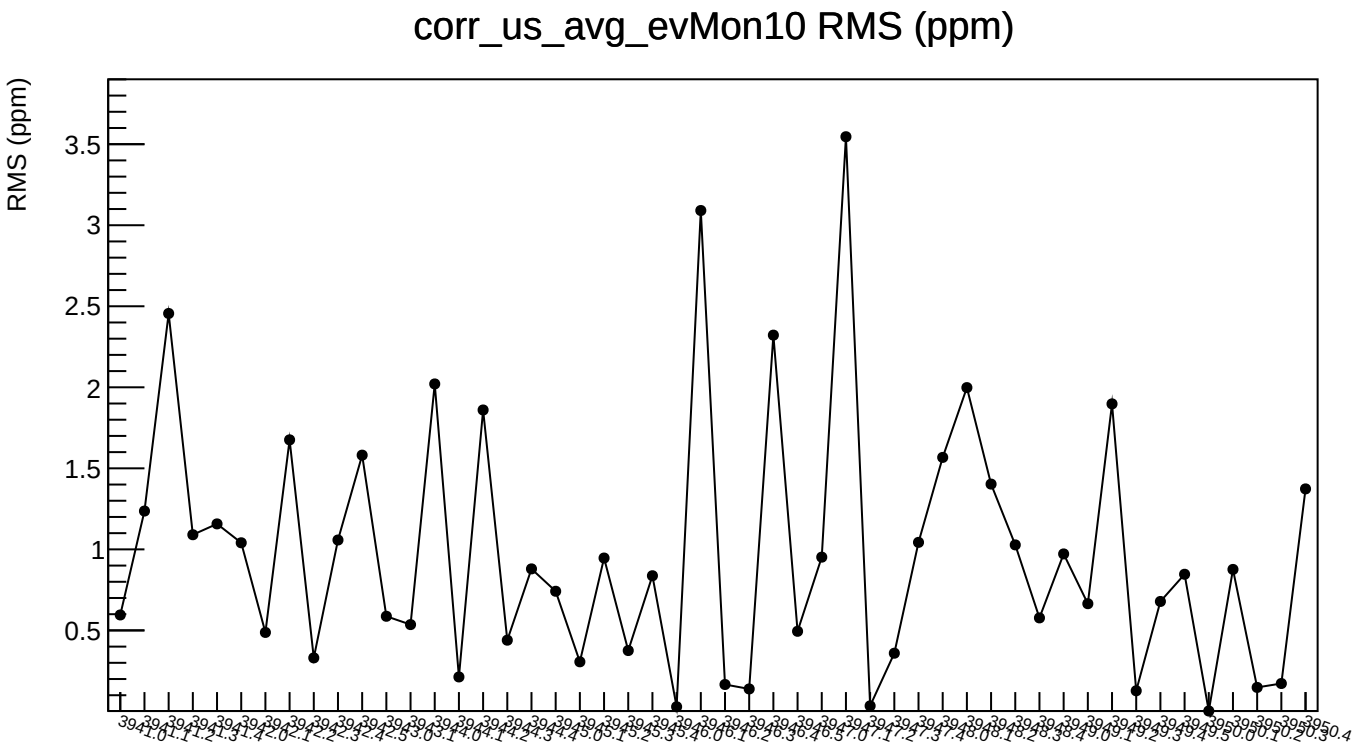

1D pull distribution
Mean 0.005804 ± 0.06705
Std Dev 0.4741 ± 0.04741
Underflow 0
Overflow 0
χ² / ndf 7.27 / 3
Constant 18.43 ± 5.22
Mean −0.05087 ± 0.11168
Sigma 0.4936 ± 0.1185
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

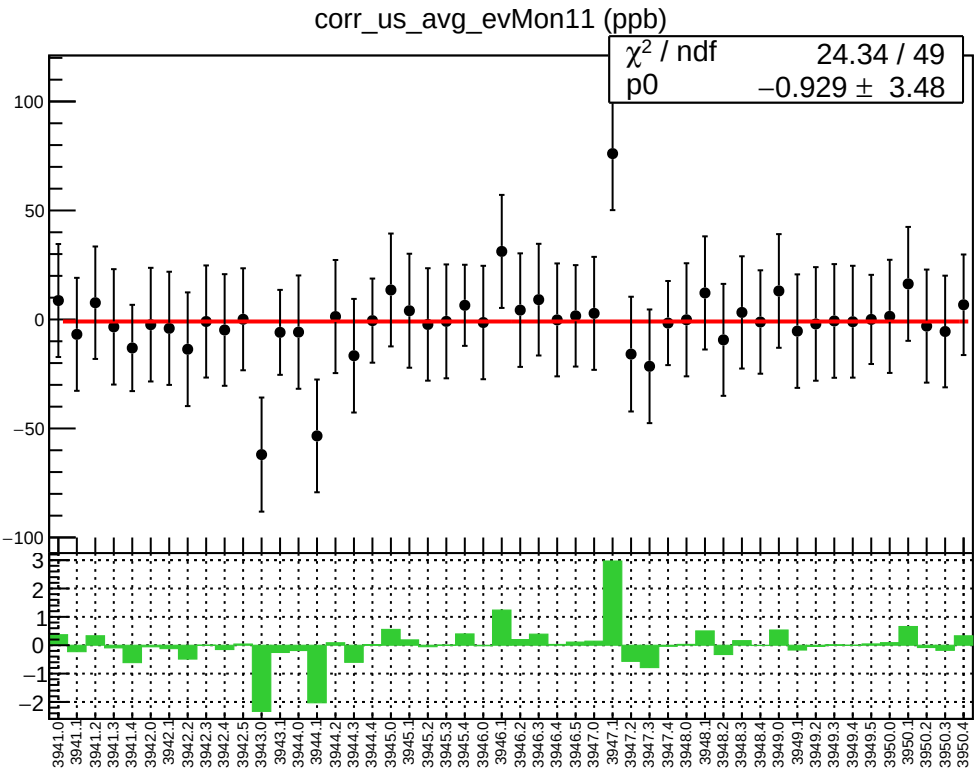

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5

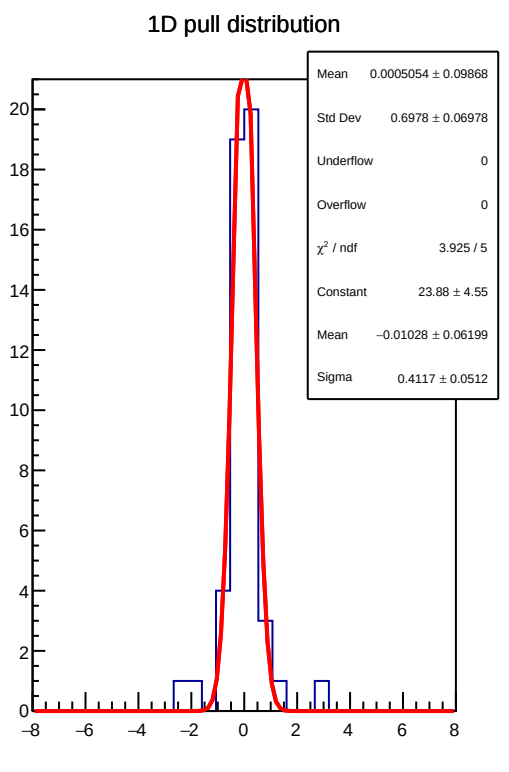

corr_us_avg_evMon9 (ppb)
χ² / ndf 10.91 / 49
p0 0.765 ± 4.051
1D pull distribution
Mean −0.003875 ± 0.06607
Std Dev 0.4672 ± 0.04672
Underflow 0
Overflow 0
χ² / ndf 3.773 / 4
Constant 28.51 ± 5.98
Mean −0.09547 ± 0.05527
Sigma 0.3451 ± 0.0515

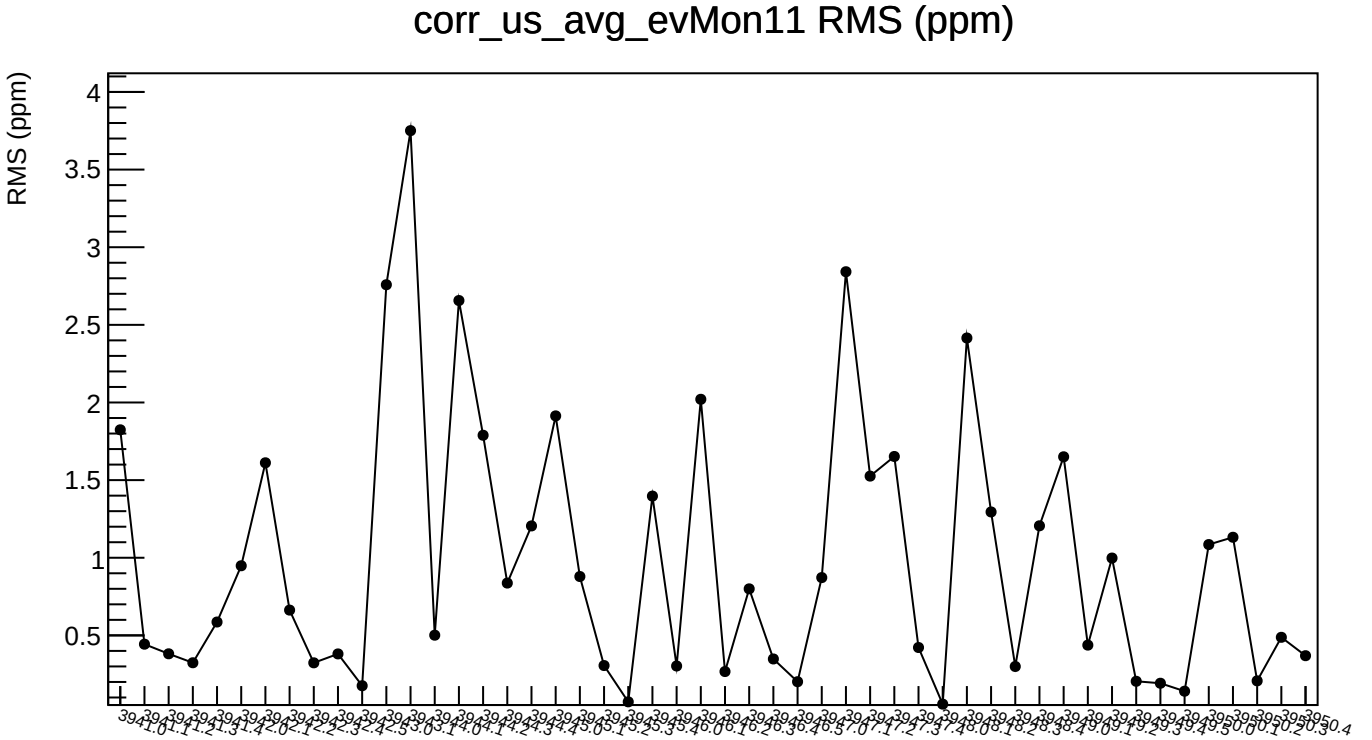

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5

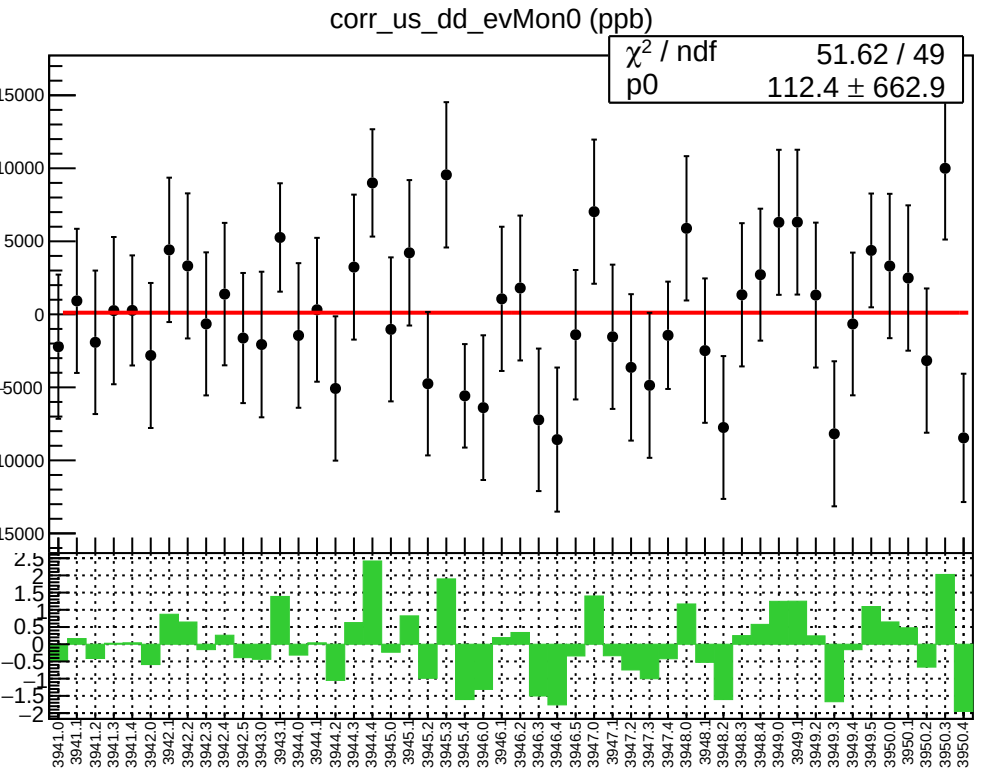

corr_us_avg_evMon10 (ppb)
χ² / ndf 5.741 / 49
p0 1.876 ± 4.93
1D pull distribution
Mean −0.004925 ± 0.04791
Std Dev 0.3388 ± 0.03388
Underflow 0
Overflow 0
χ² / ndf 1.904 / 2
Constant 33.38 ± 6.82
Mean −0.02325 ± 0.05051
Sigma 0.3074 ± 0.0430

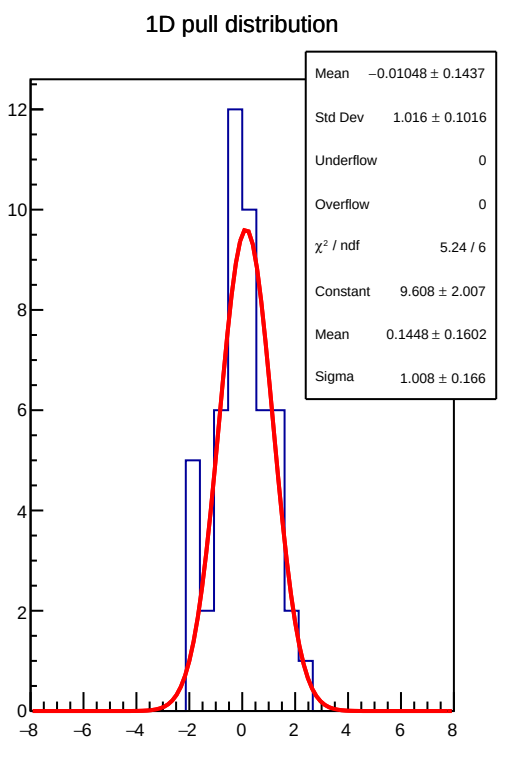

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5

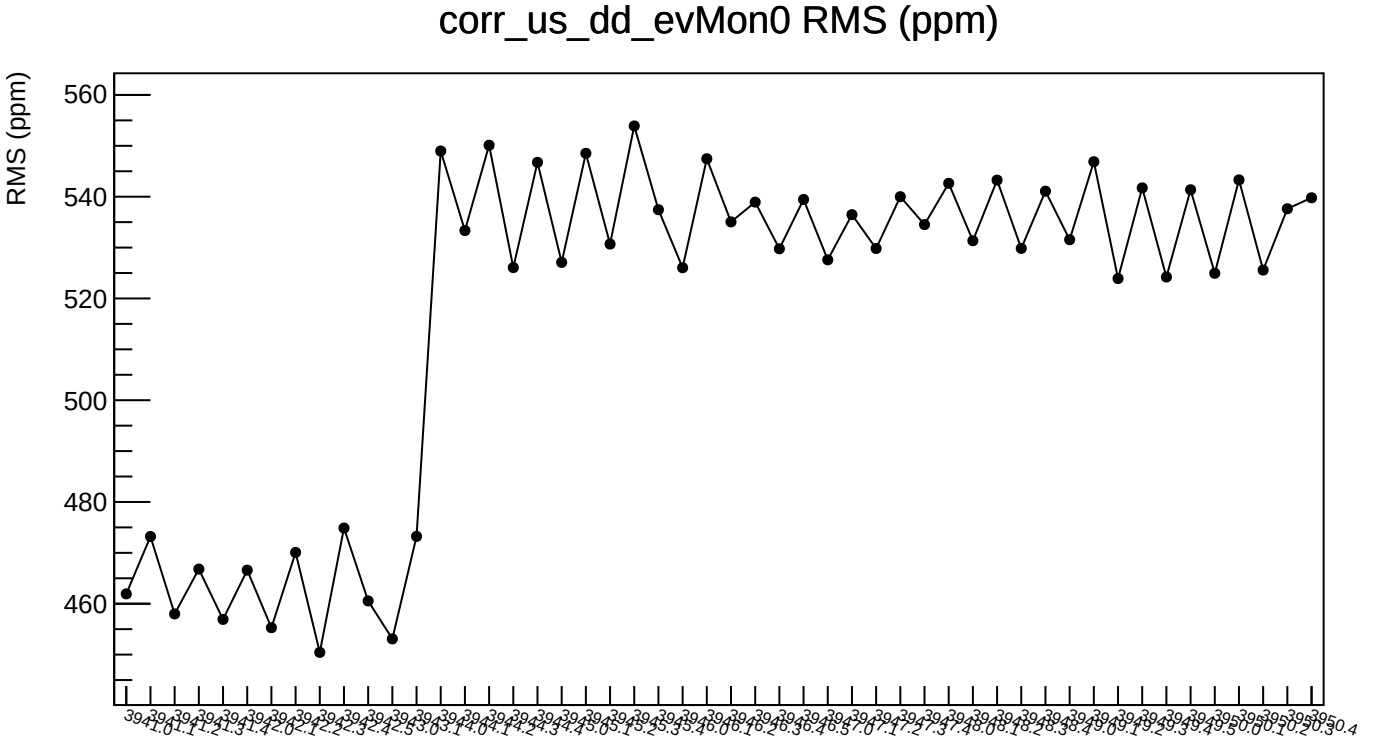

corr_us_avg_evMon11 (ppb)
χ² / ndf 24.34 / 49
p0 −0.929 ± 3.48
100
50
0
−50
−100
3
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

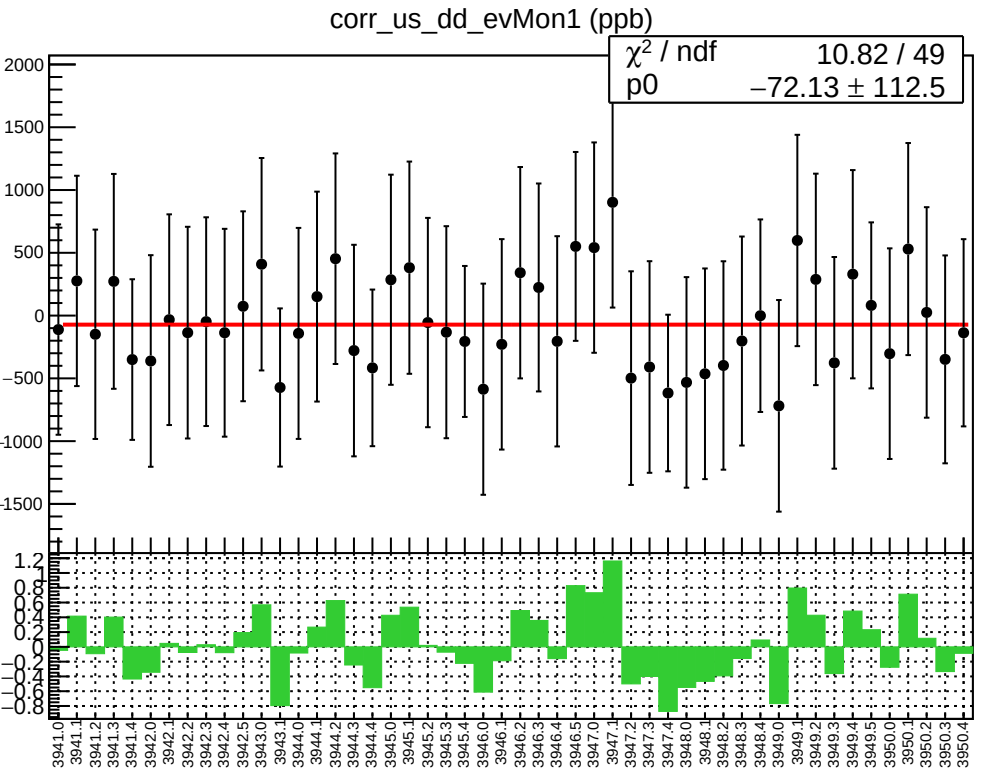

1D pull distribution
Mean 0.0005054 ± 0.09868
Std Dev 0.6978 ± 0.06978
Underflow 0
Overflow 0
χ² / ndf 3.925 / 5
Constant 23.88 ± 4.55
Mean −0.01028 ± 0.06199
Sigma 0.4117 ± 0.0512
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

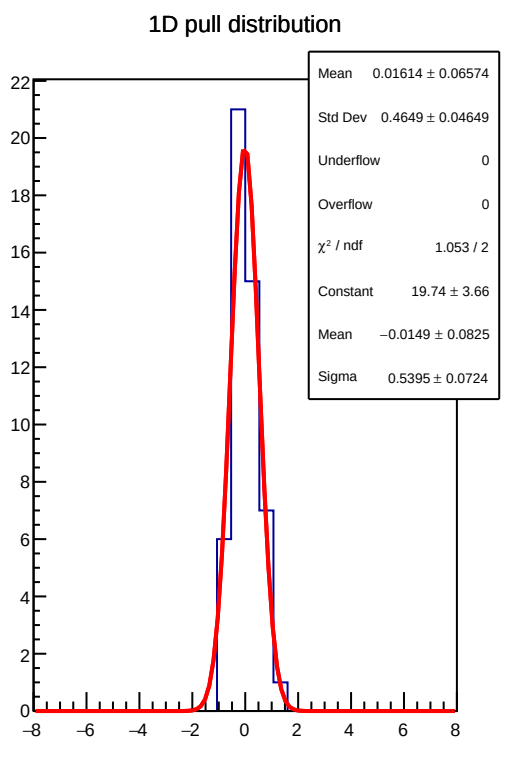

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5

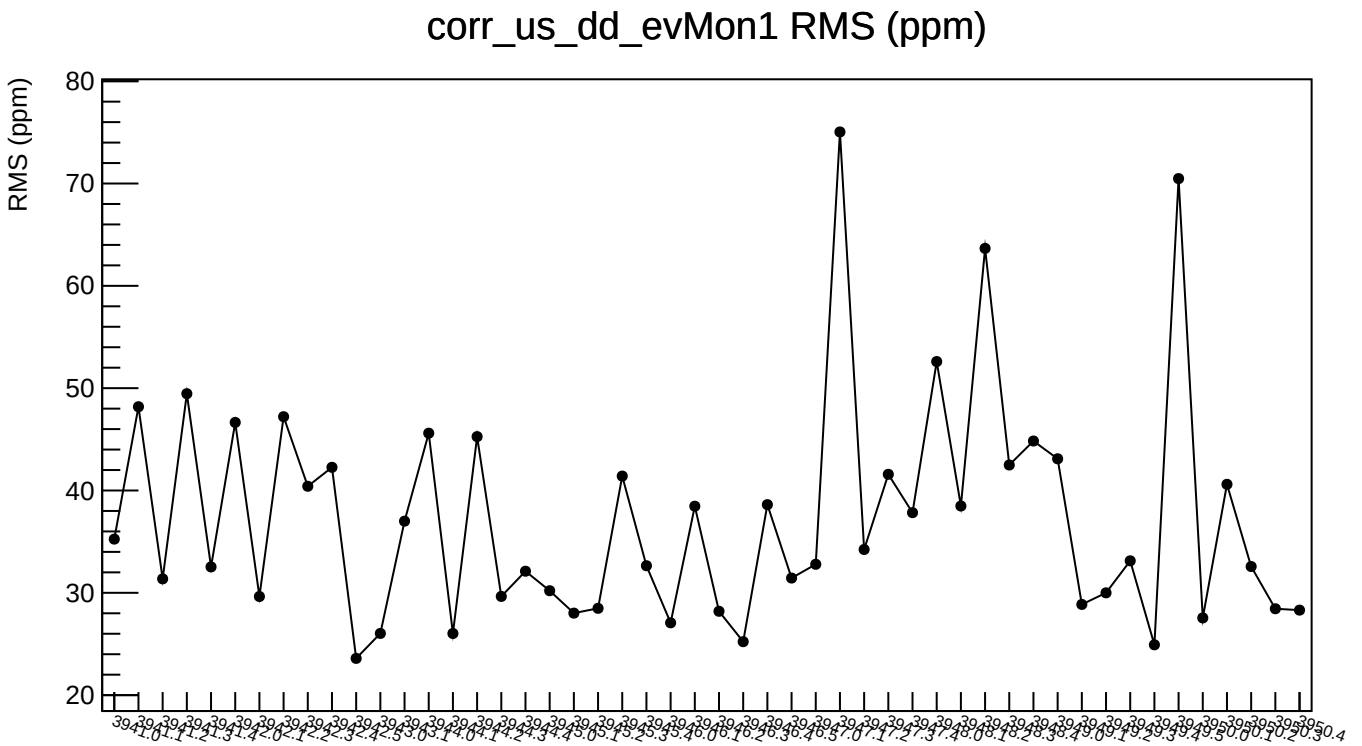

corr_us_dd_evMon0 (ppb)
χ² / ndf 51.62 / 49
p0 112.4 ± 662.9
15000
10000
5000
0
−5000
−10000
−15000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

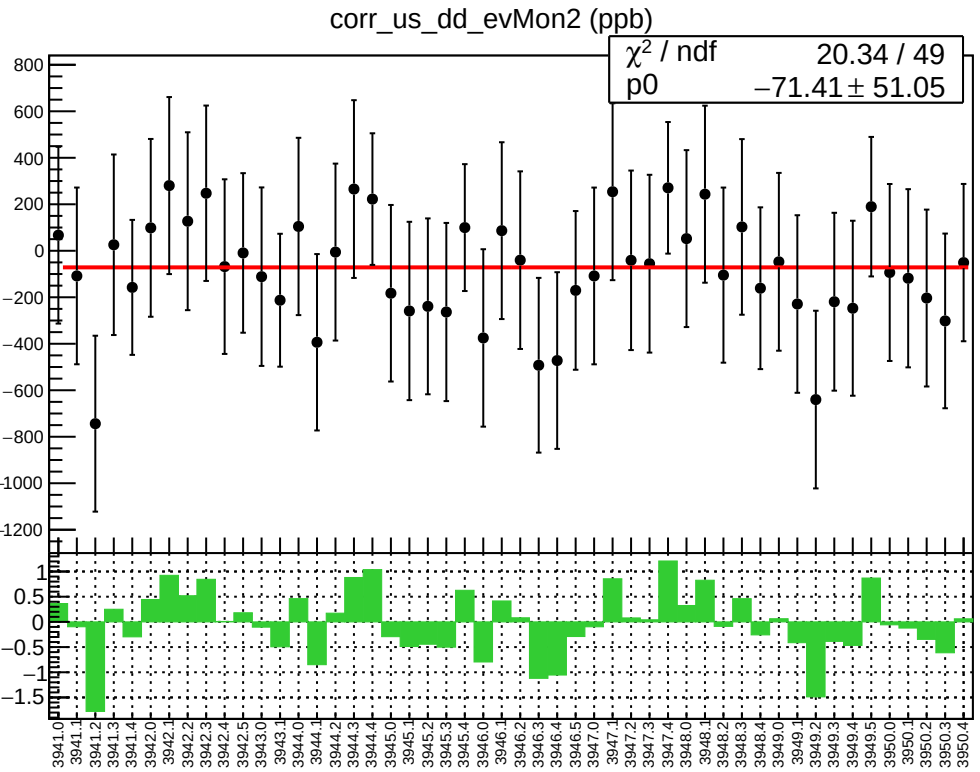

1D pull distribution
Mean −0.01048 ± 0.1437
Std Dev 1.016 ± 0.1016
Underflow 0
Overflow 0
χ² / ndf 5.24 / 6
Constant 9.608 ± 2.007
Mean 0.1448 ± 0.1602
Sigma 1.008 ± 0.166
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

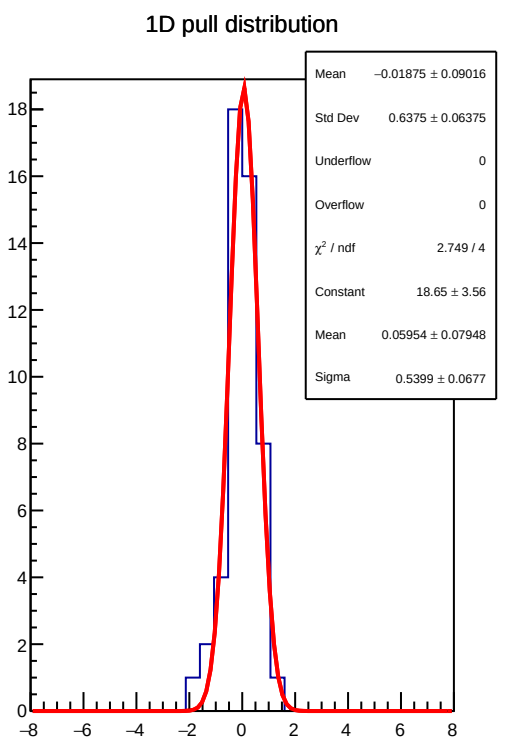

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
560
540
520
500
480
460

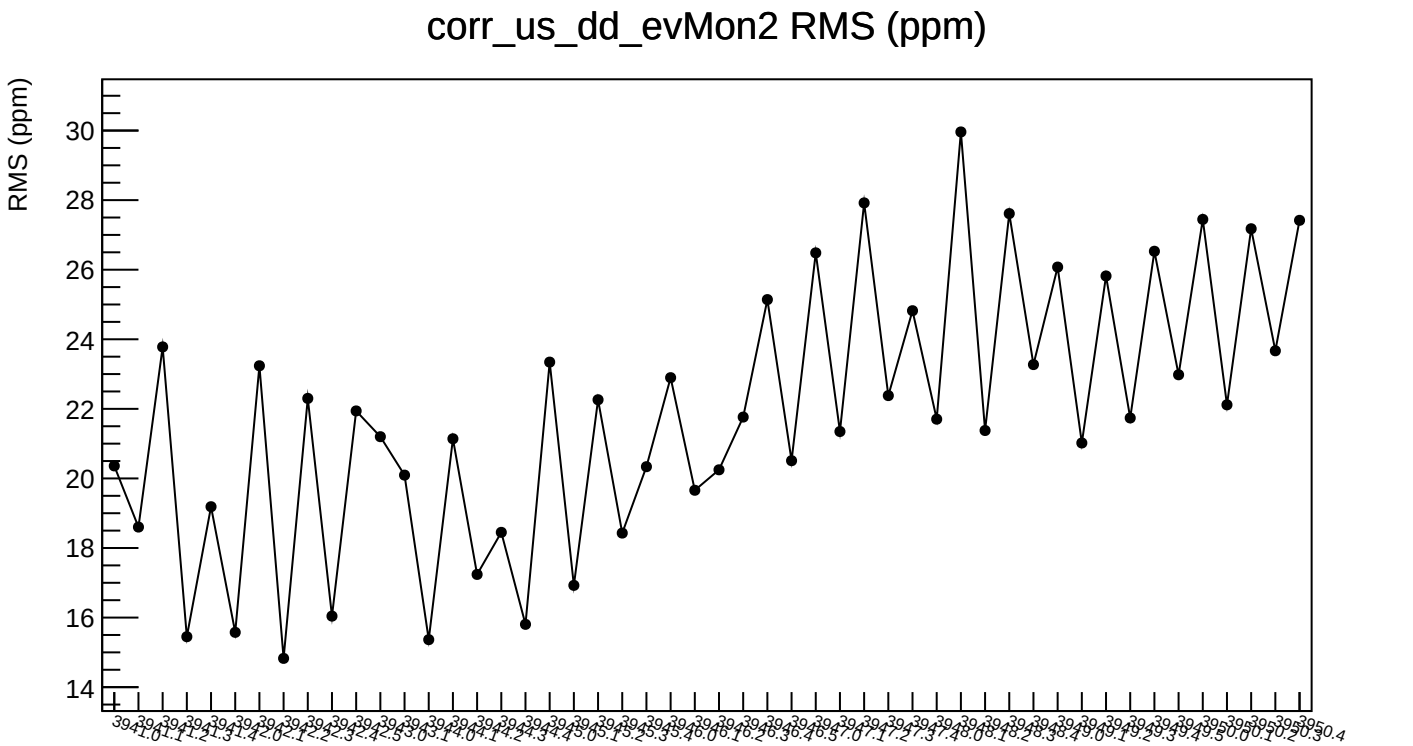

corr_us_dd_evMon1 (ppb)
χ² / ndf 10.82 / 49
p0 −72.13 ± 112.5

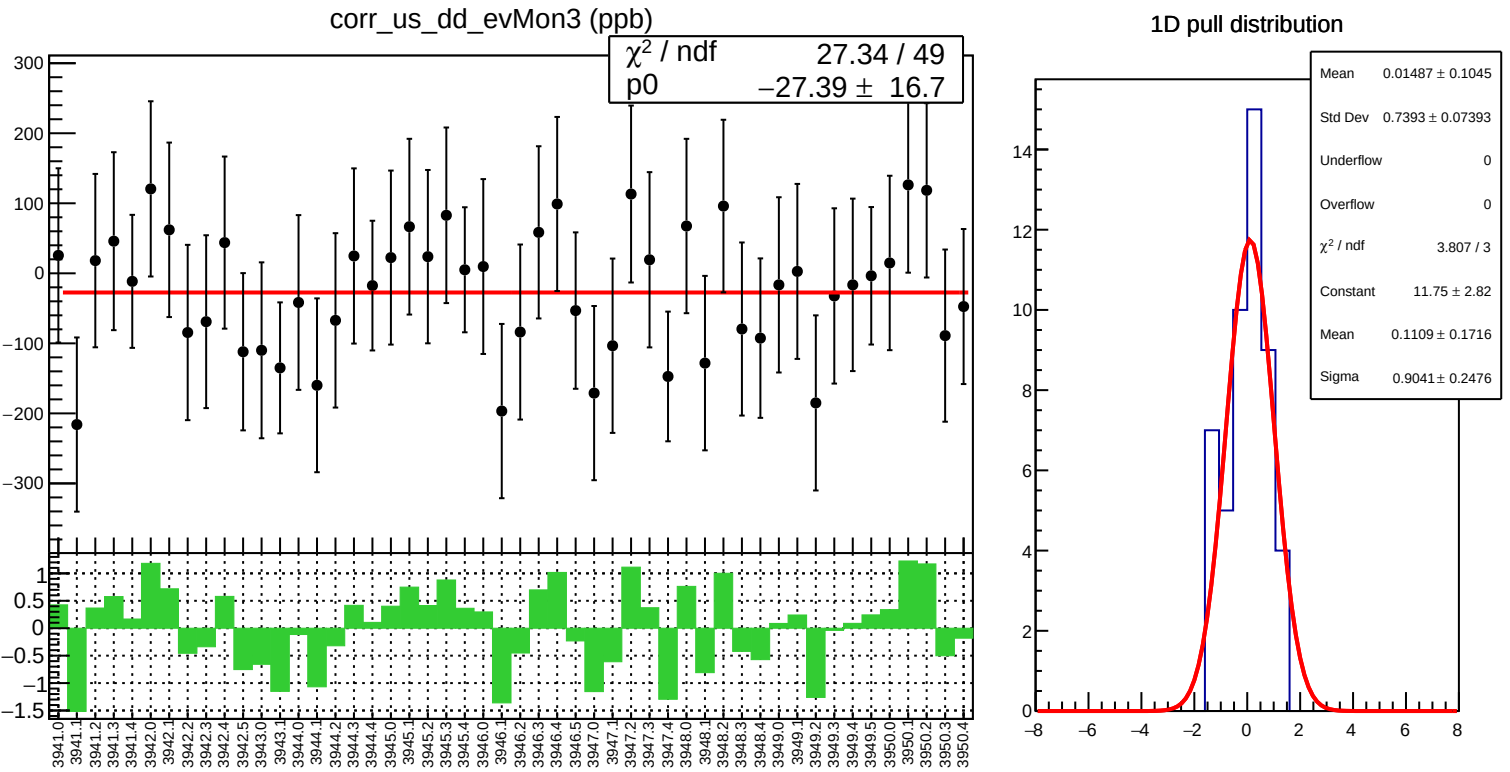

1D pull distribution
Mean 0.01614 ± 0.06574
Std Dev 0.4649 ± 0.04649
Underflow 0
Overflow 0
χ² / ndf 1.053 / 2
Constant 19.74 ± 3.66
Mean −0.0149 ± 0.0825
Sigma 0.5395 ± 0.0724

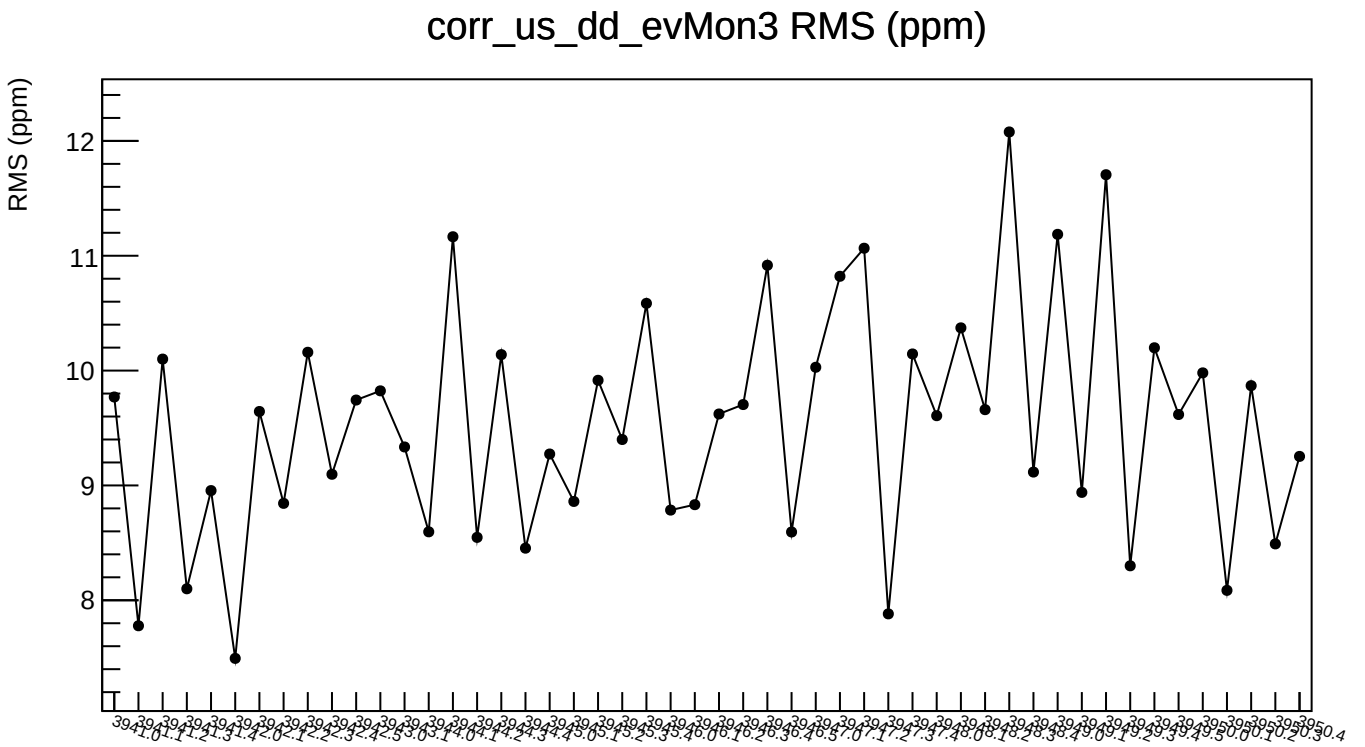

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
80
70
60
50
40
30
20

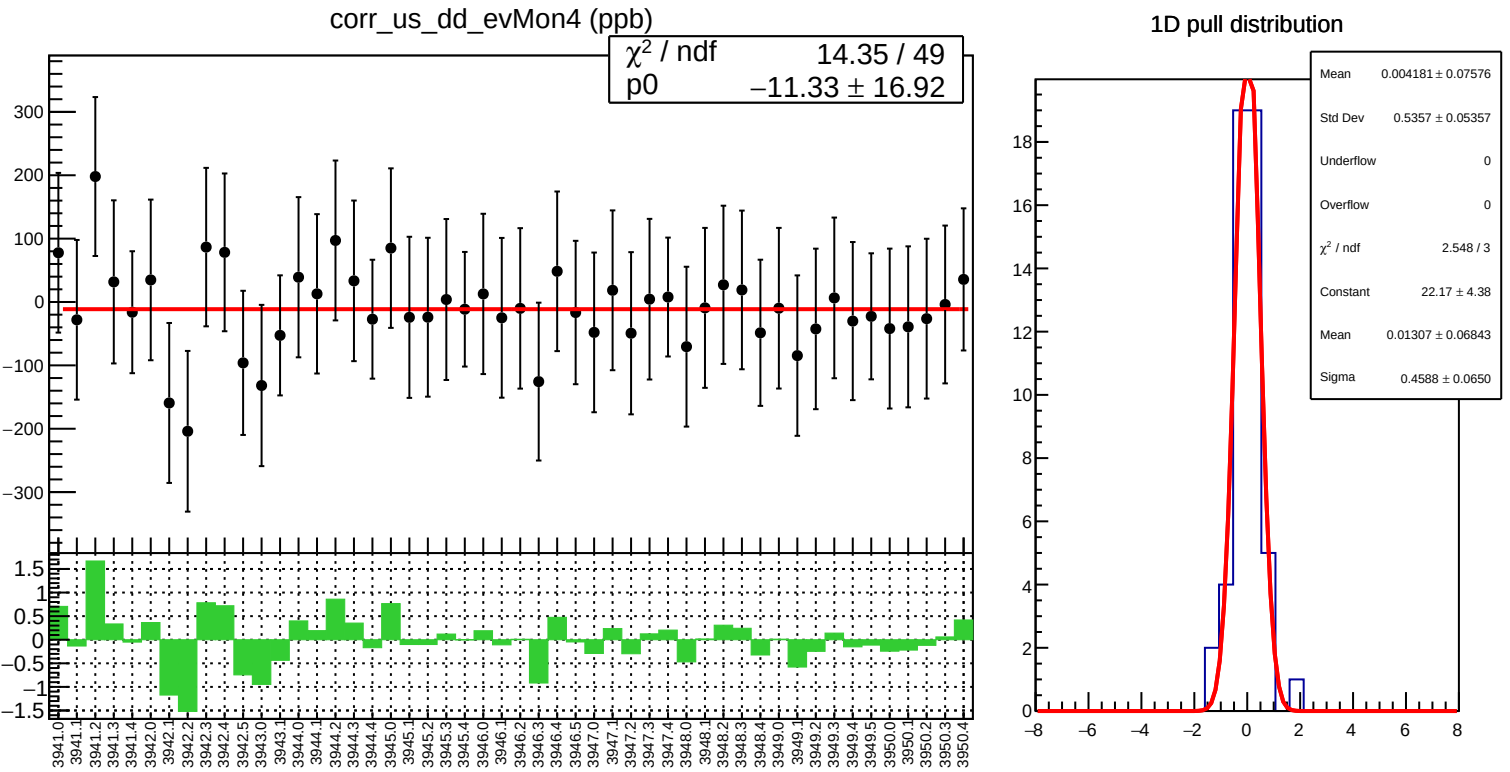

corr_us_dd_evMon2 (ppb)
χ² / ndf 20.34 / 49
p0 −71.41 ± 51.05

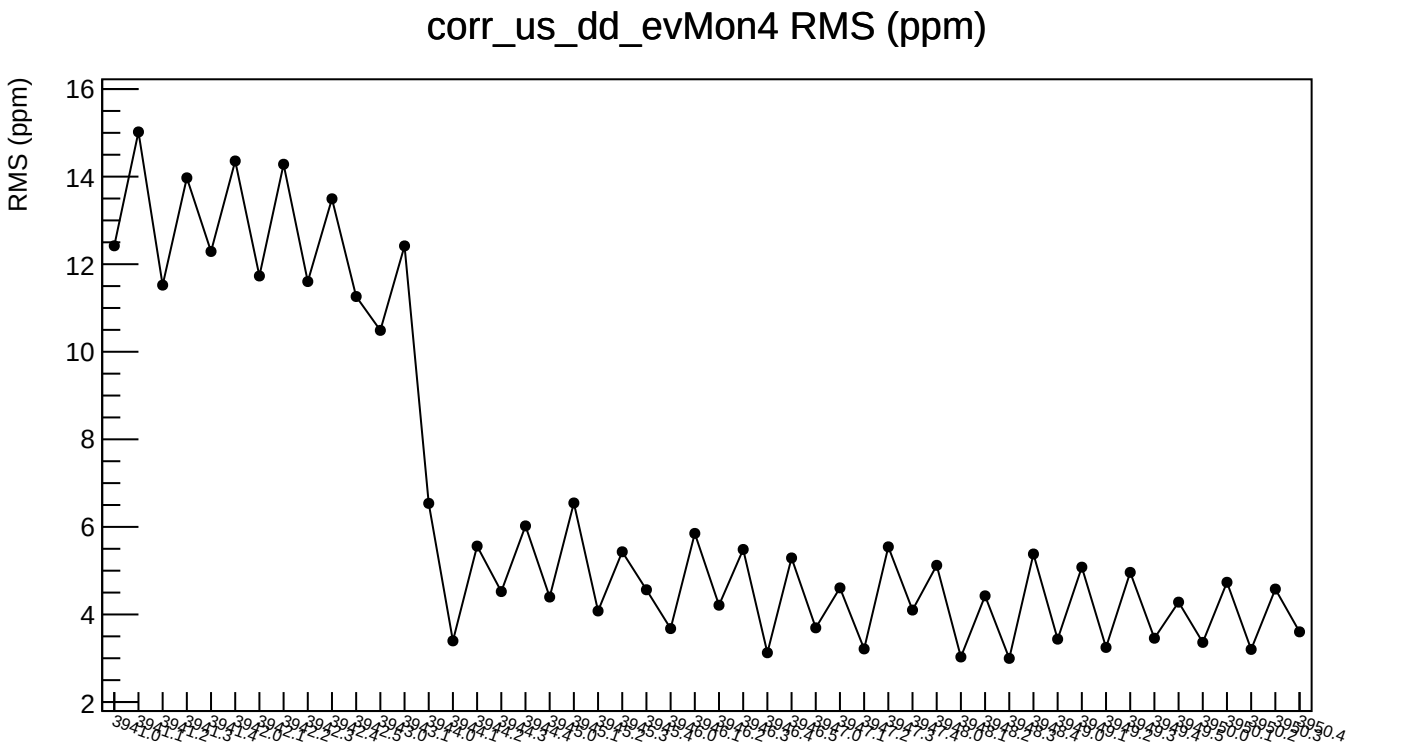

1D pull distribution
Mean −0.01875 ± 0.09016
Std Dev 0.6375 ± 0.06375
Underflow 0
Overflow 0
χ² / ndf 2.749 / 4
Constant 18.65 ± 3.56
Mean 0.05954 ± 0.07948
Sigma 0.5399 ± 0.0677

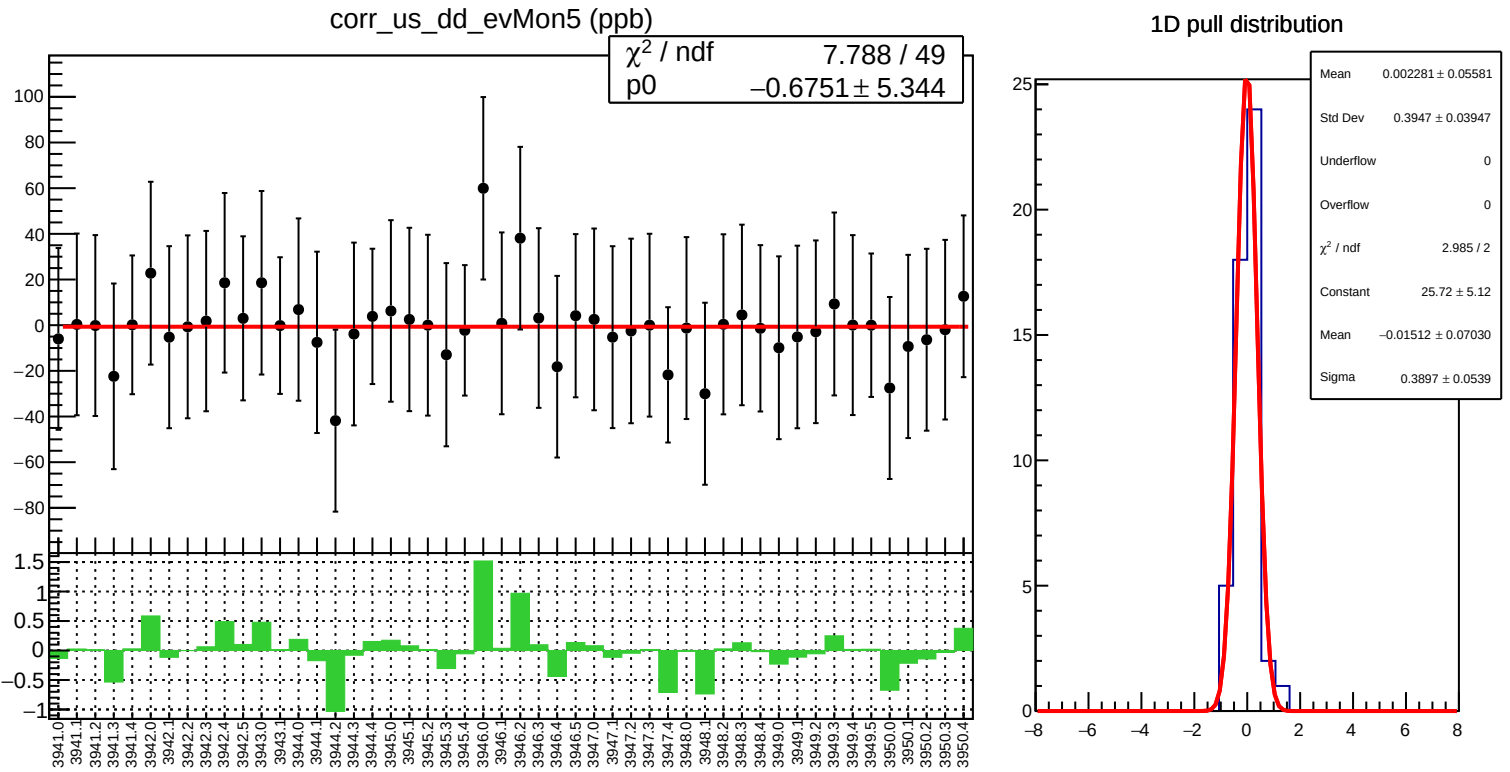

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
30
28
26
24
22
20
18
16
14

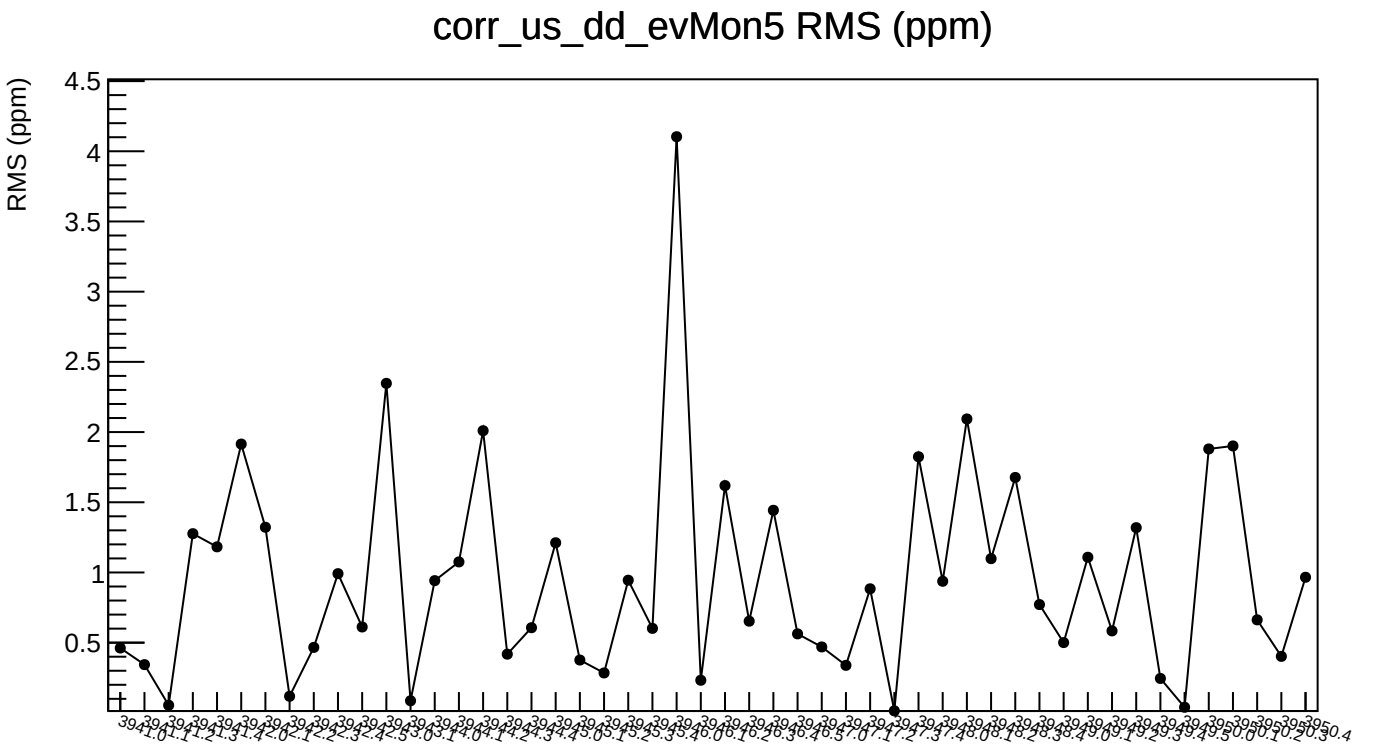

corr_us_dd_evMon3 (ppb)
χ² / ndf 27.34 / 49
p0 −27.39 ± 16.7
1D pull distribution
Mean 0.01487 ± 0.1045
Std Dev 0.7393 ± 0.07393
Underflow 0
Overflow 0
χ² / ndf 3.807 / 3
Constant 11.75 ± 2.82
Mean 0.1109 ± 0.1716
Sigma 0.9041 ± 0.2476

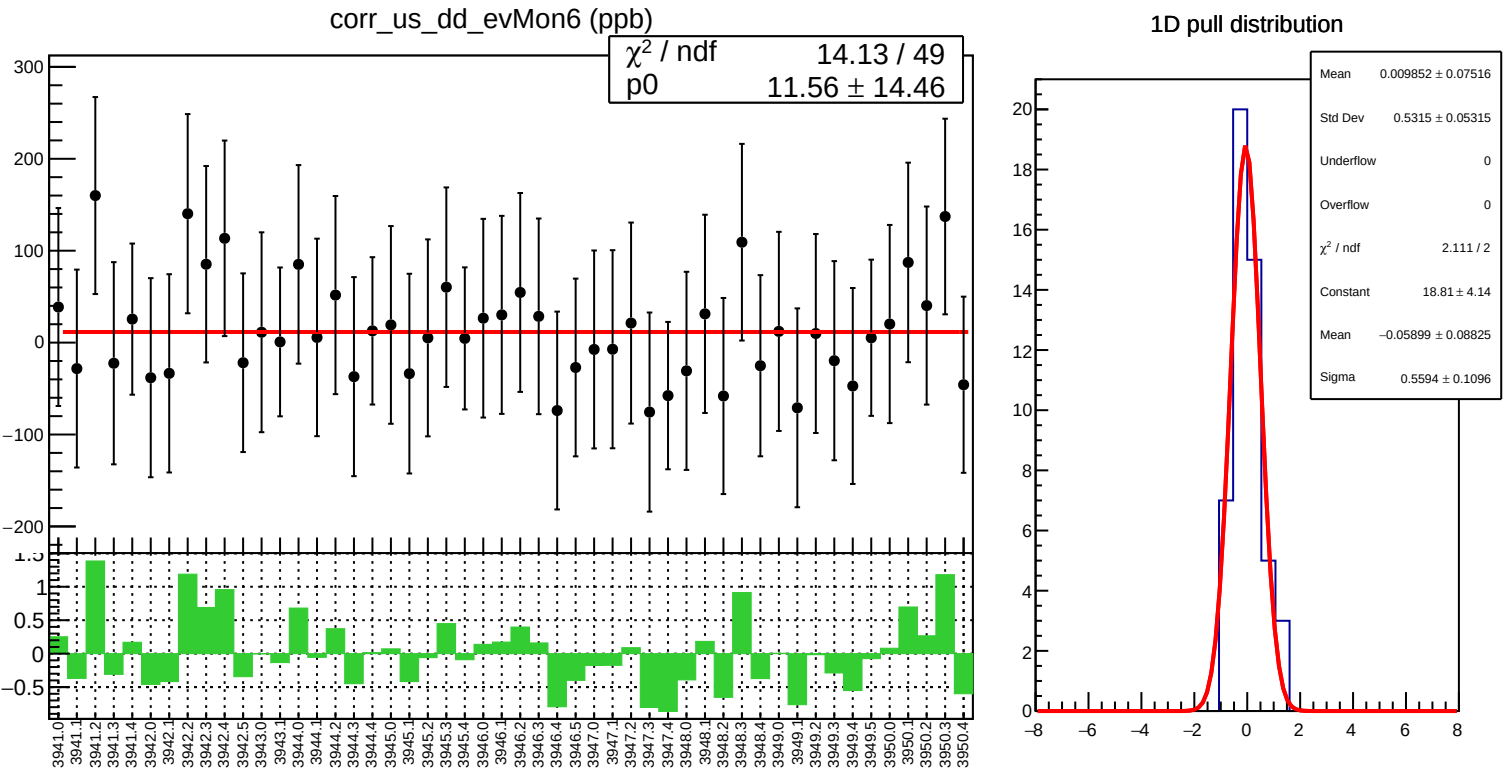

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
12
11
10
9
8

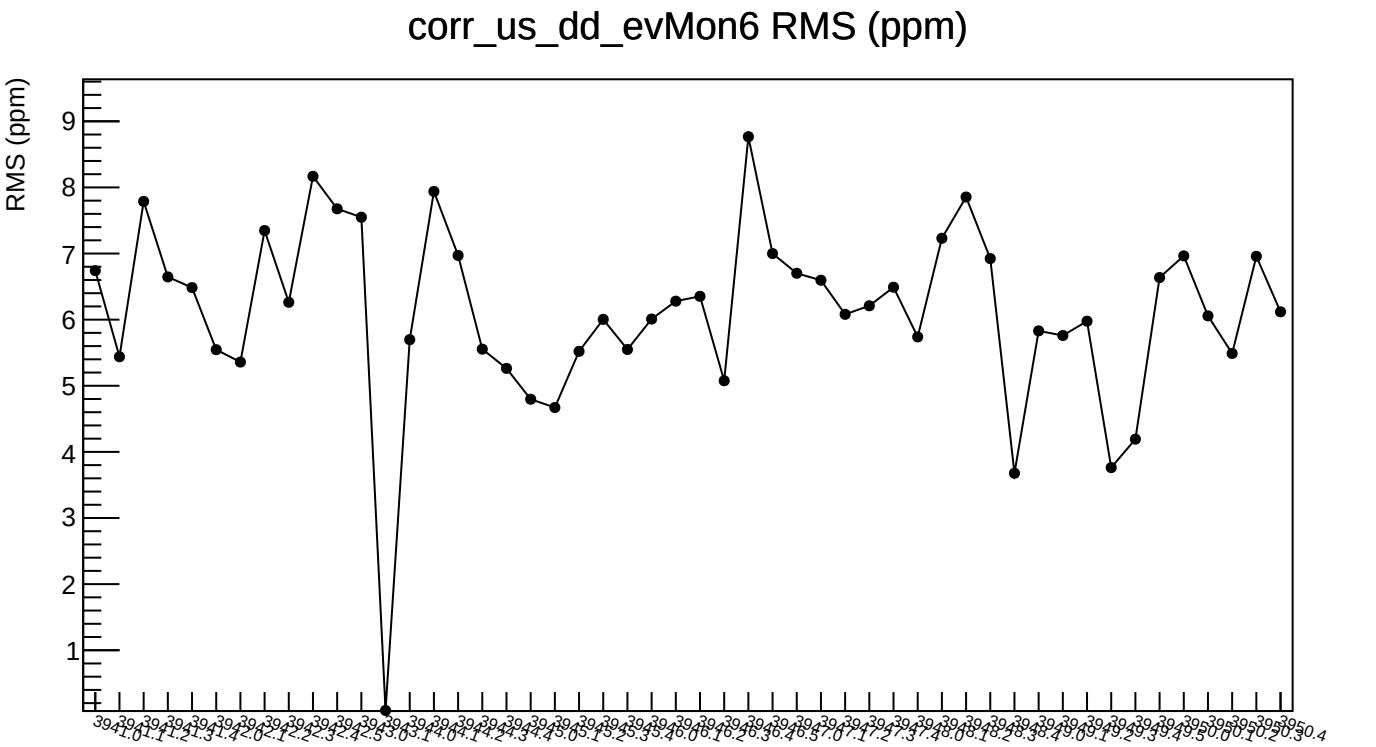

corr_us_dd_evMon4 (ppb)
χ² / ndf 14.35 / 49
p0 −11.33 ± 16.92
1D pull distribution
Mean 0.004181 ± 0.07576
Std Dev 0.5357 ± 0.05357
Underflow 0
Overflow 0
χ² / ndf 2.548 / 3
Constant 22.17 ± 4.38
Mean 0.01307 ± 0.06843
Sigma 0.4588 ± 0.0650

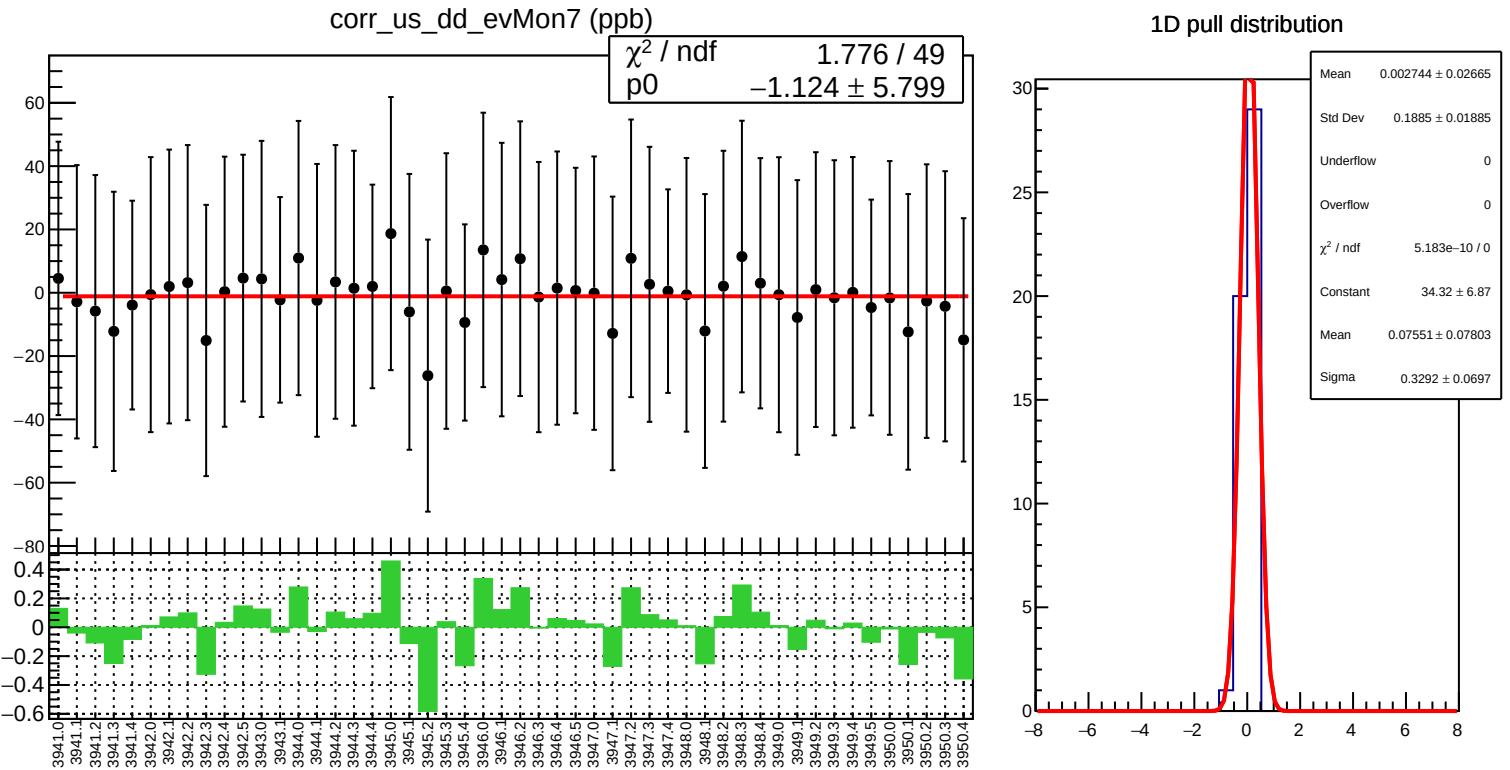

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
4
2

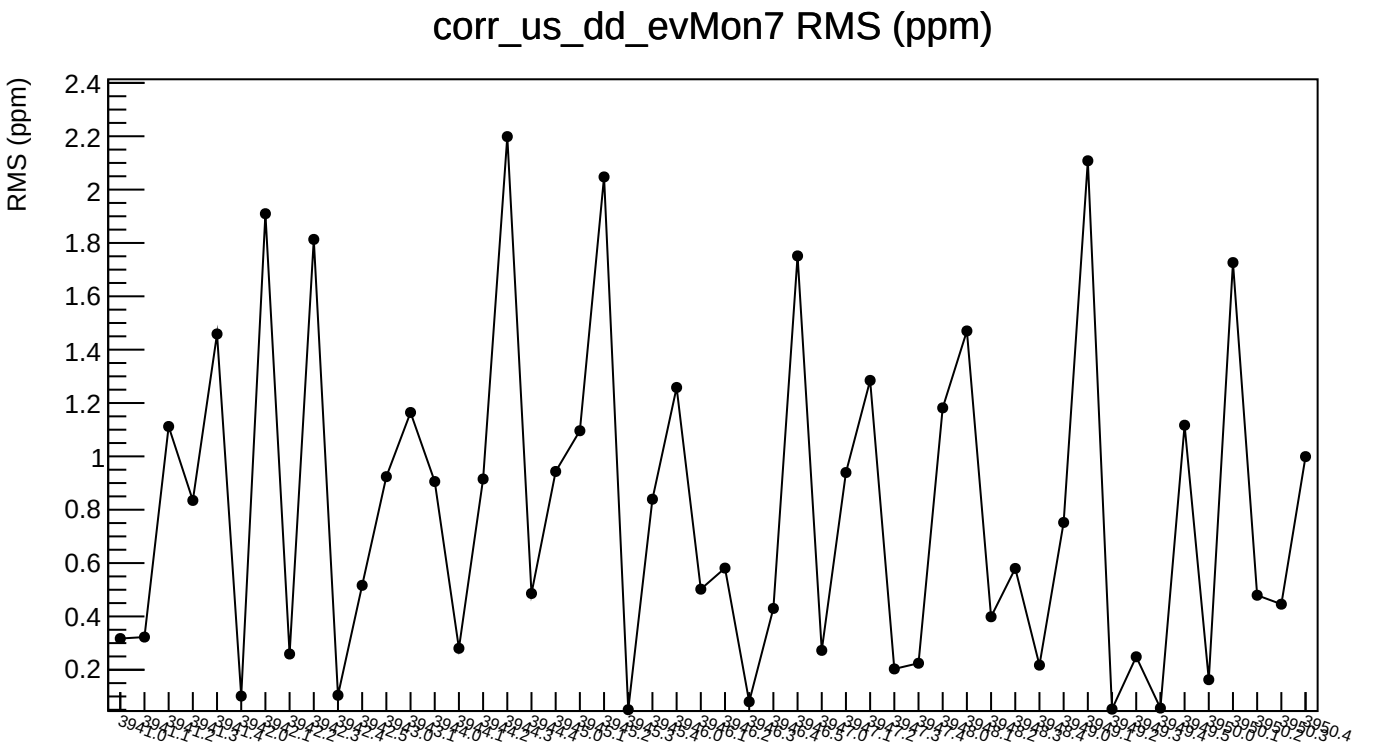

corr_us_dd_evMon5 (ppb)
χ² / ndf 7.788 / 49
p0 −0.6751 ± 5.344
1D pull distribution
Mean 0.002281 ± 0.05581
Std Dev 0.3947 ± 0.03947
Underflow 0
Overflow 0
χ² / ndf 2.985 / 2
Constant 25.72 ± 5.12
Mean −0.01512 ± 0.07030
Sigma 0.3897 ± 0.0539

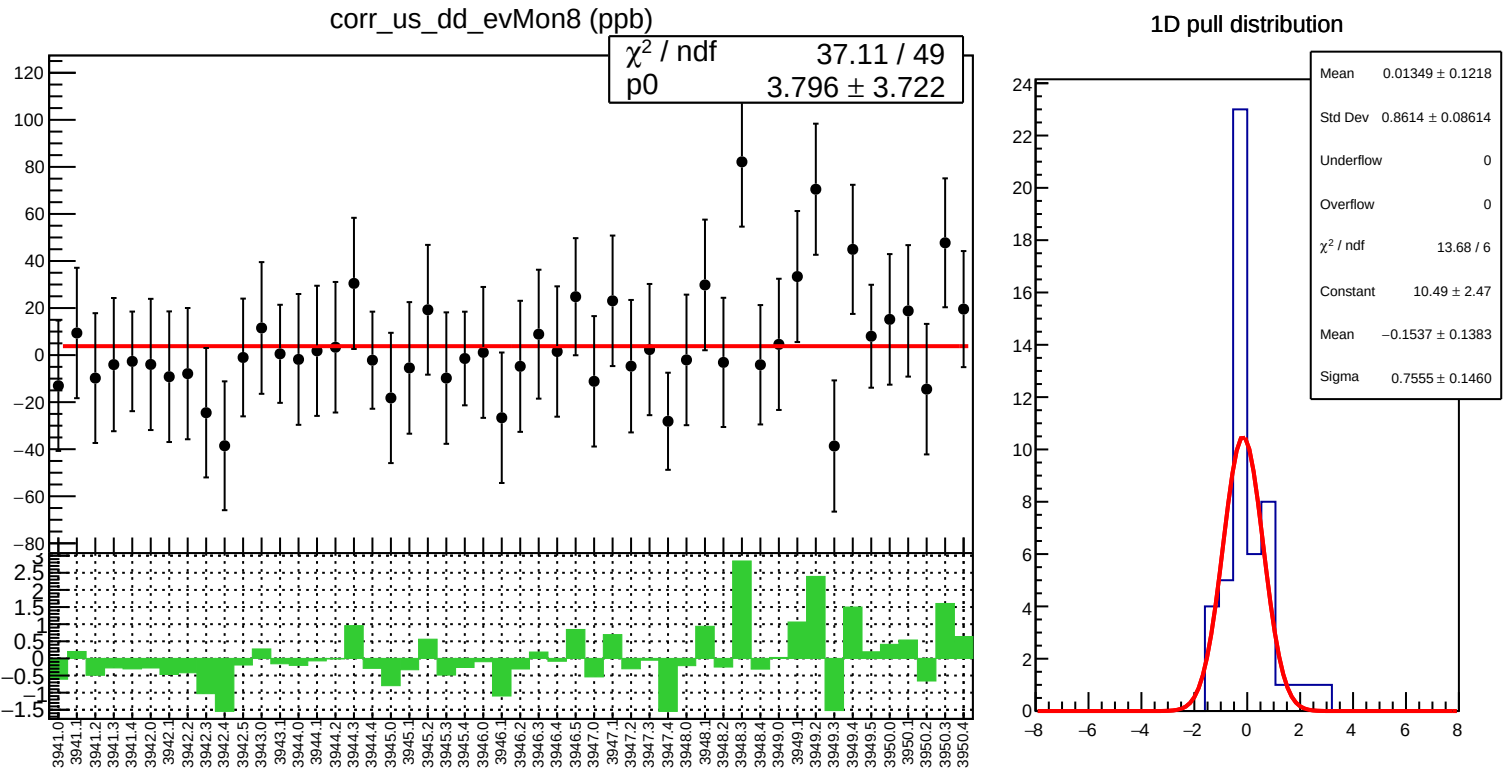

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5

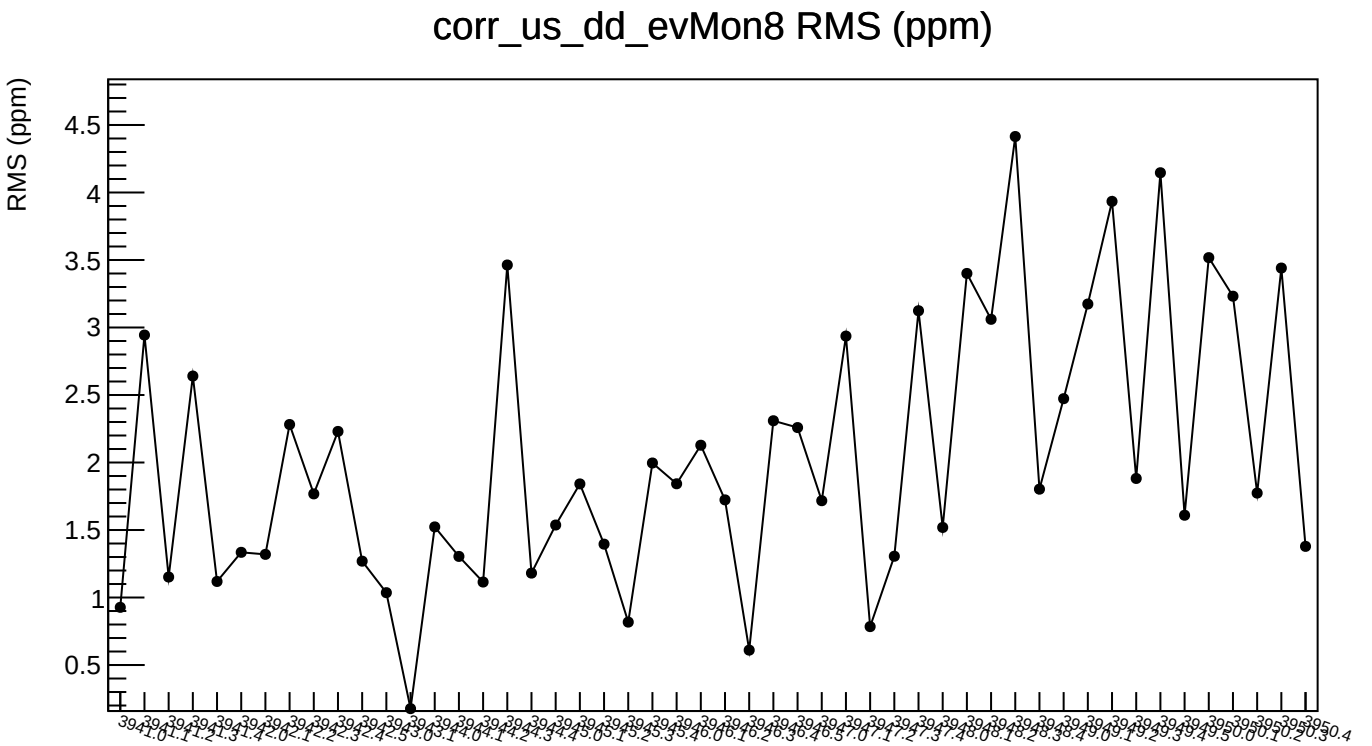

corr_us_dd_evMon6 (ppb)
χ² / ndf 14.13 / 49
p0 11.56 ± 14.46
1D pull distribution
Mean 0.009852 ± 0.07516
Std Dev 0.5315 ± 0.05315
Underflow 0
Overflow 0
χ² / ndf 2.111 / 2
Constant 18.81 ± 4.14
Mean −0.05899 ± 0.08825
Sigma 0.5594 ± 0.1096

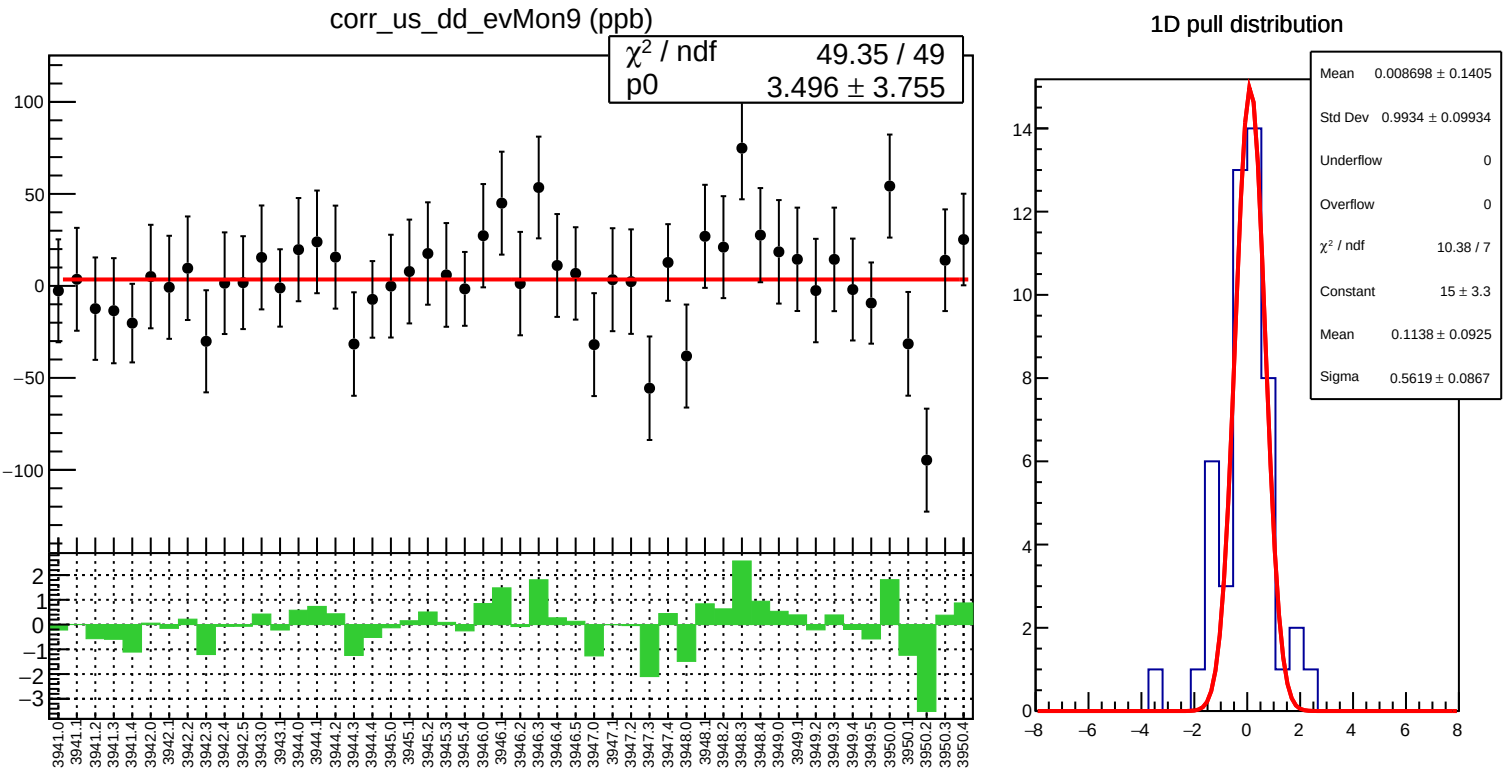

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
9

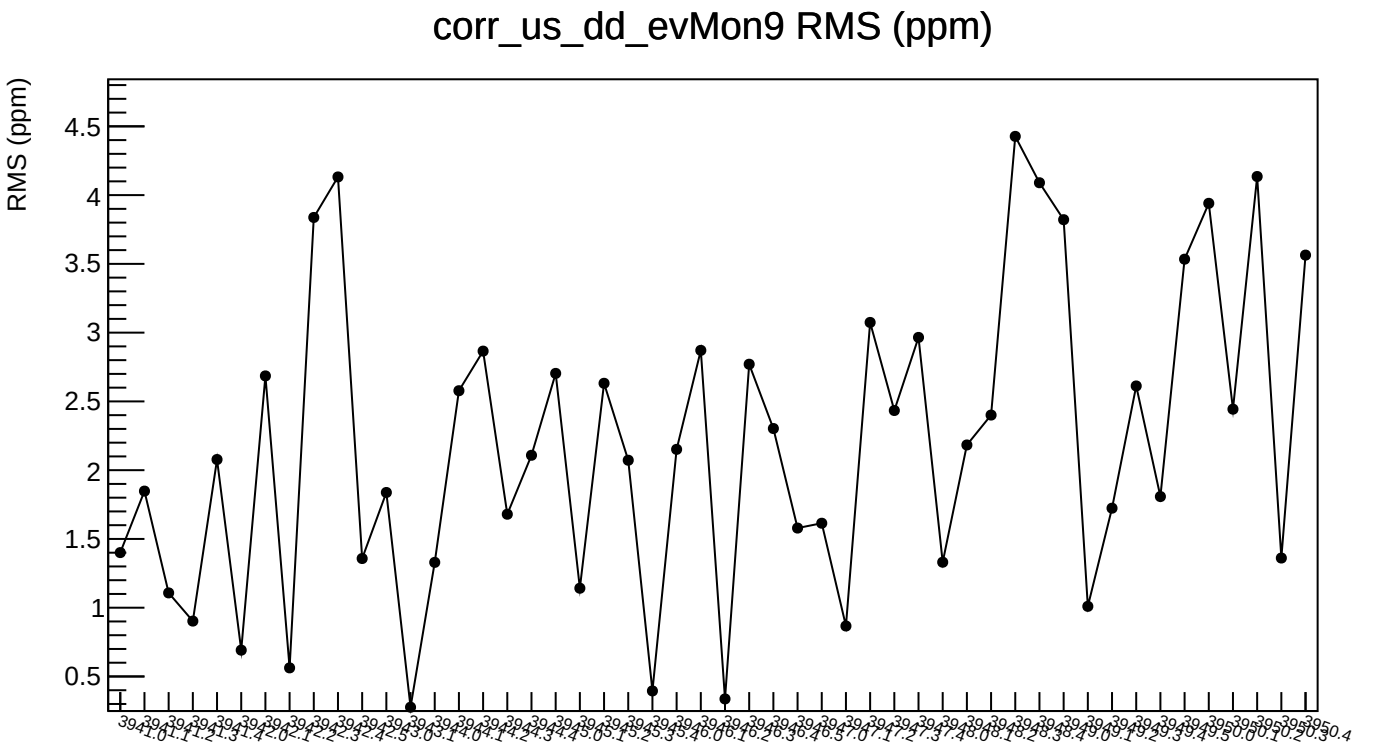

corr_us_dd_evMon7 (ppb)
χ² / ndf 1.776 / 49
p0 −1.124 ± 5.799
1D pull distribution
Mean 0.002744 ± 0.02665
Std Dev 0.1885 ± 0.01885
Underflow 0
Overflow 0
χ² / ndf 5.183e−10 / 0
Constant 34.32 ± 6.87
Mean 0.07551 ± 0.07803
Sigma 0.3292 ± 0.0697

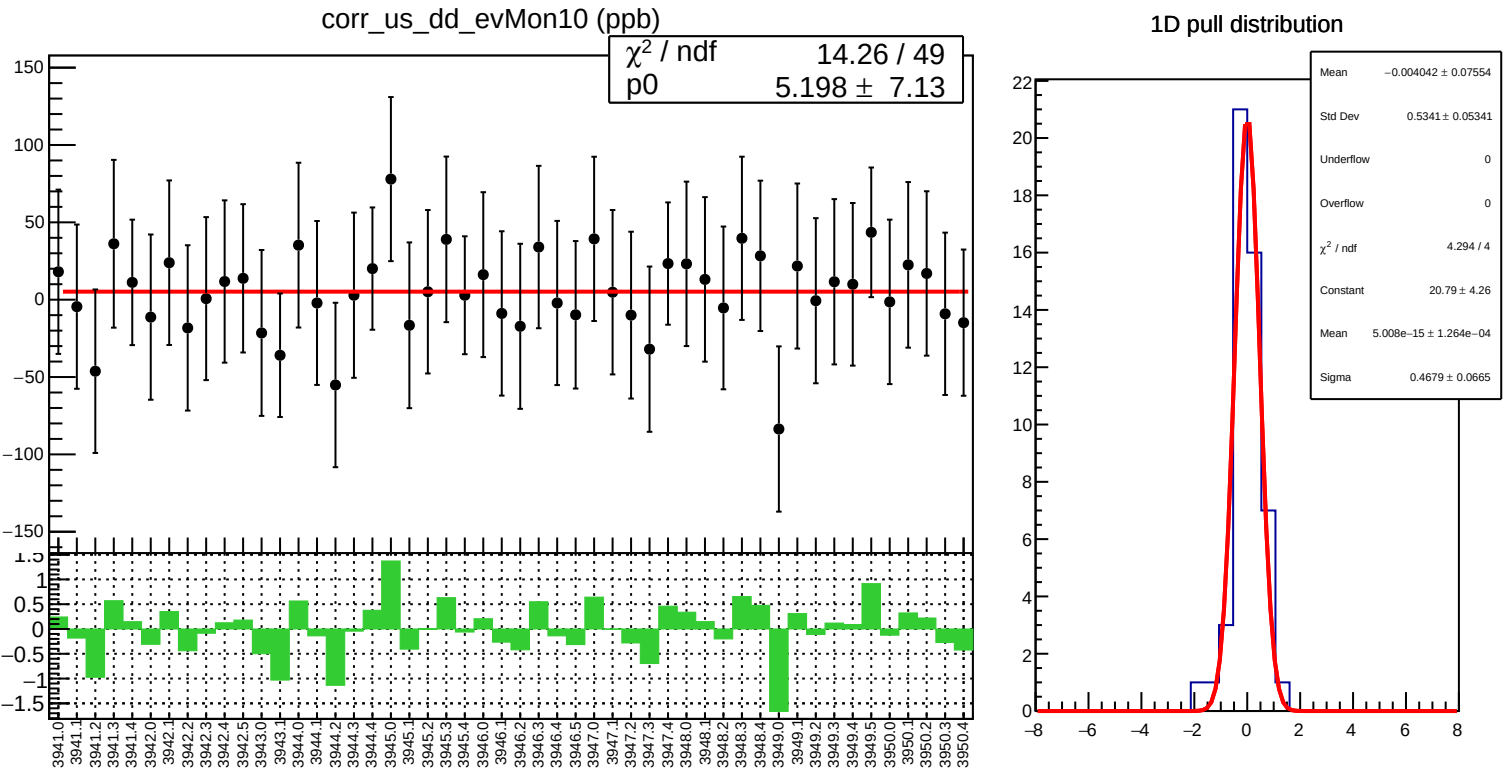

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

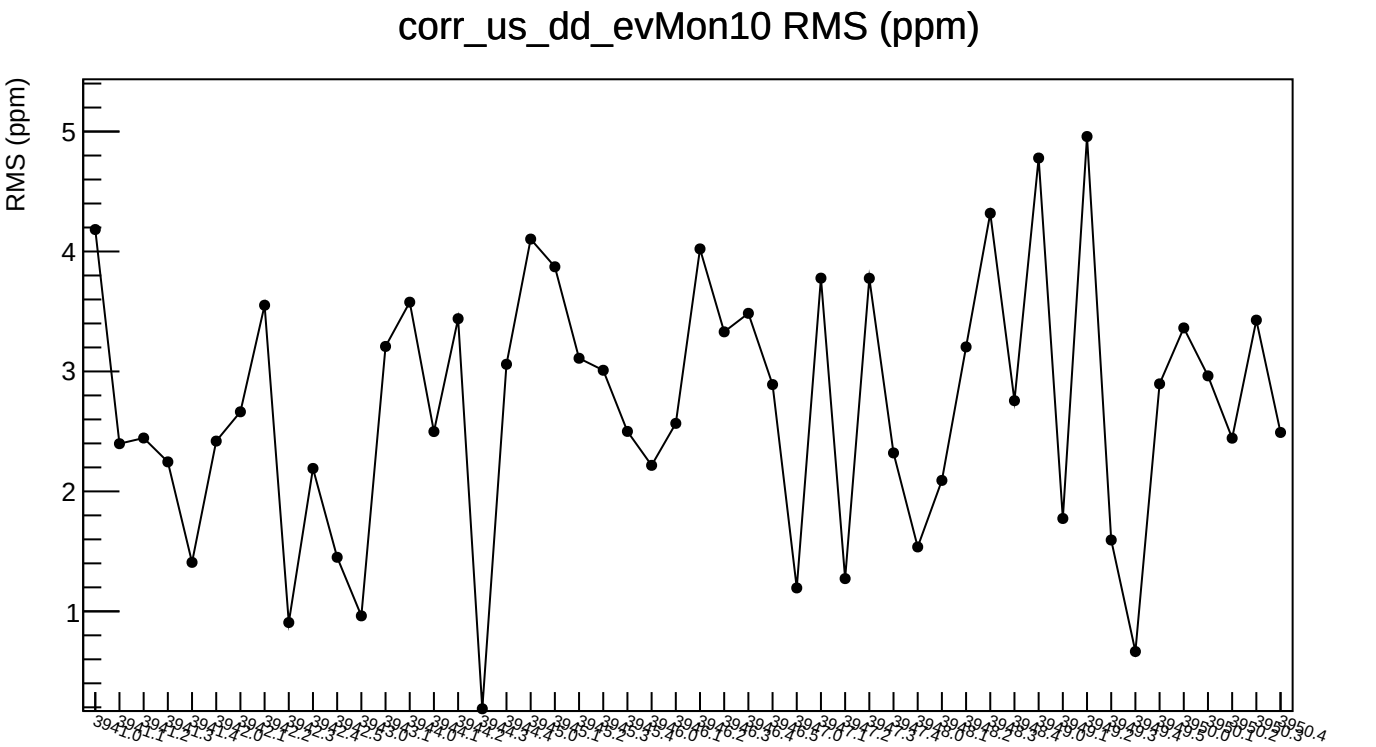

corr_us_dd_evMon8 (ppb)
χ² / ndf 37.11 / 49
p0 3.796 ± 3.722
1D pull distribution
Mean 0.01349 ± 0.1218
Std Dev 0.8614 ± 0.08614
Underflow 0
Overflow 0
χ² / ndf 13.68 / 6
Constant 10.49 ± 2.47
Mean −0.1537 ± 0.1383
Sigma 0.7555 ± 0.1460

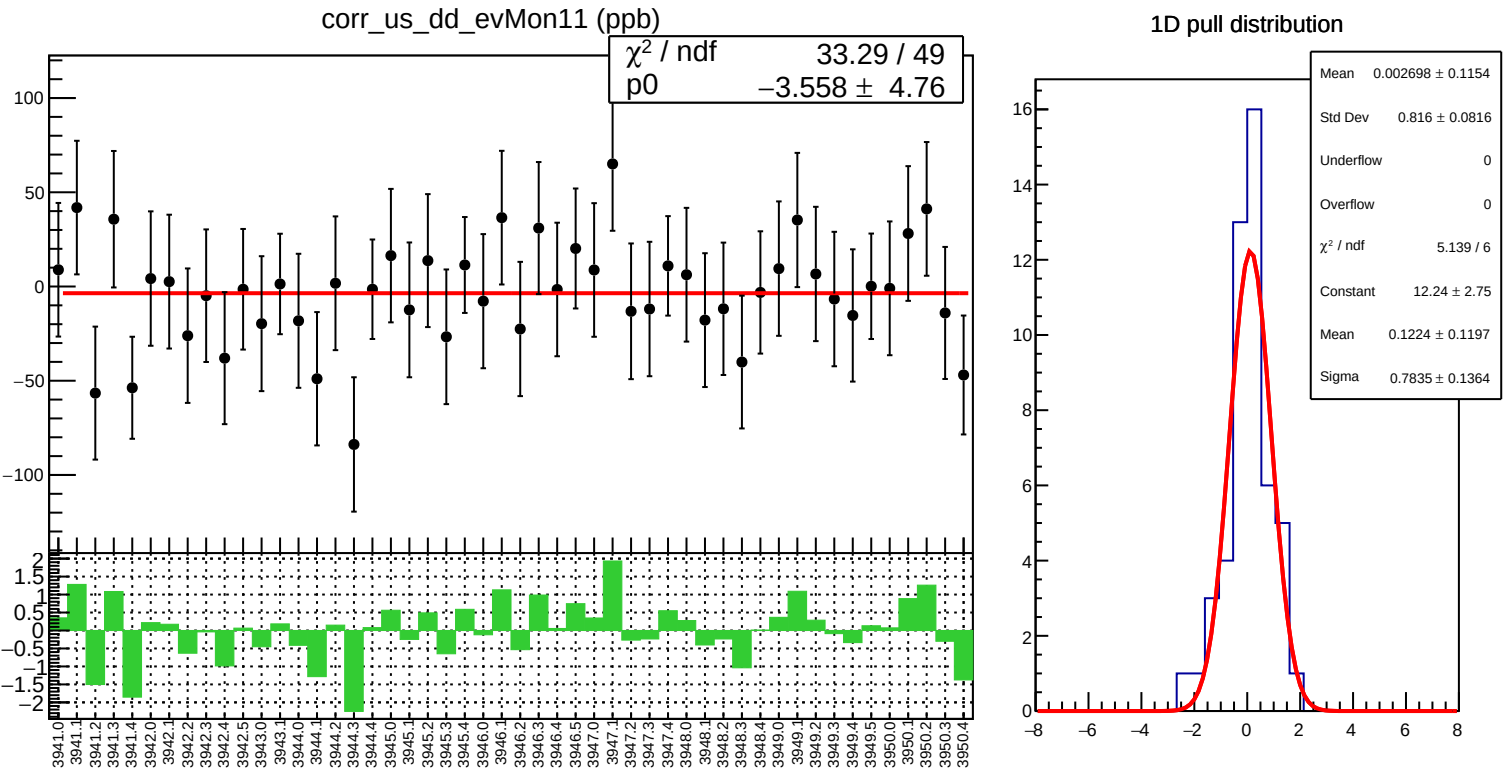

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5

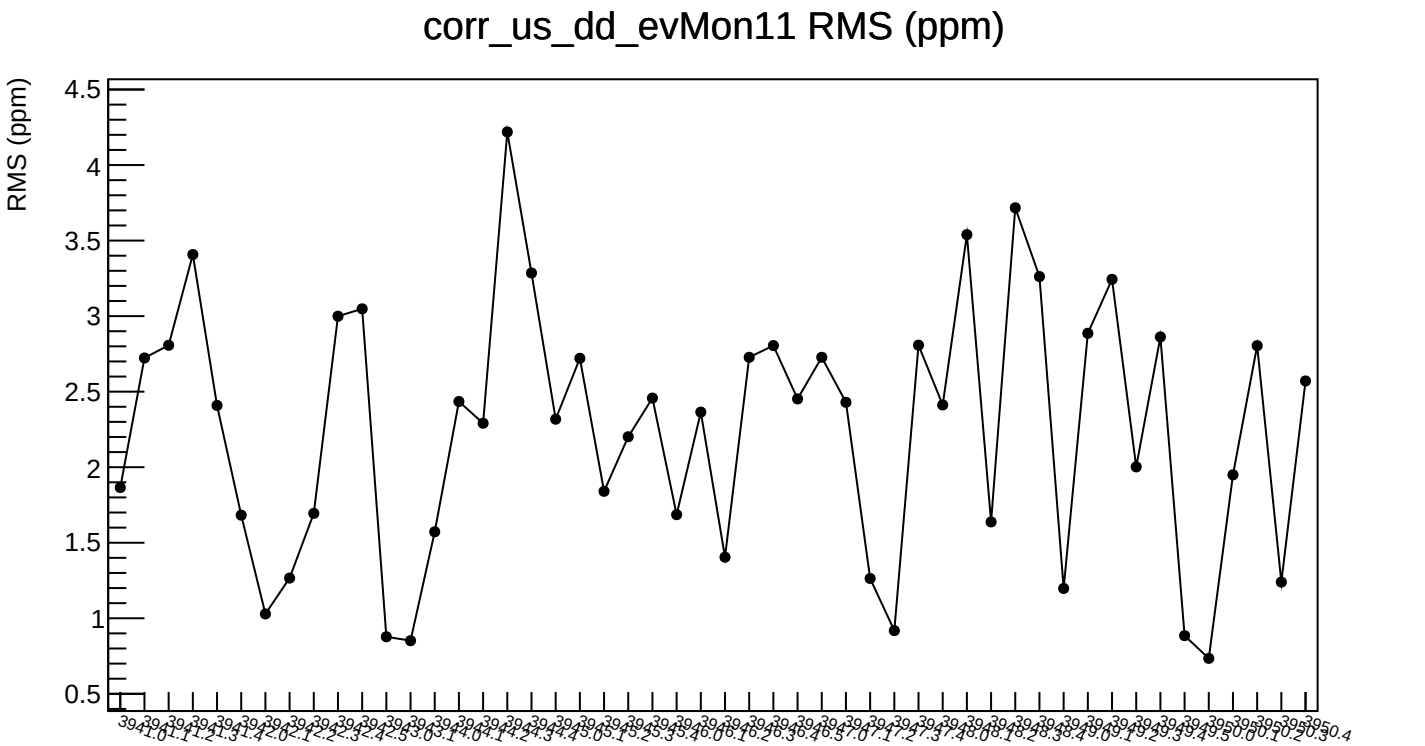

corr_us_dd_evMon9 (ppb)
χ² / ndf 49.35 / 49
p0 3.496 ± 3.755
1D pull distribution
Mean 0.008698 ± 0.1405
Std Dev 0.9934 ± 0.09934
Underflow 0
Overflow 0
χ² / ndf 10.38 / 7
Constant 15 ± 3.3
Mean 0.1138 ± 0.0925
Sigma 0.5619 ± 0.0867

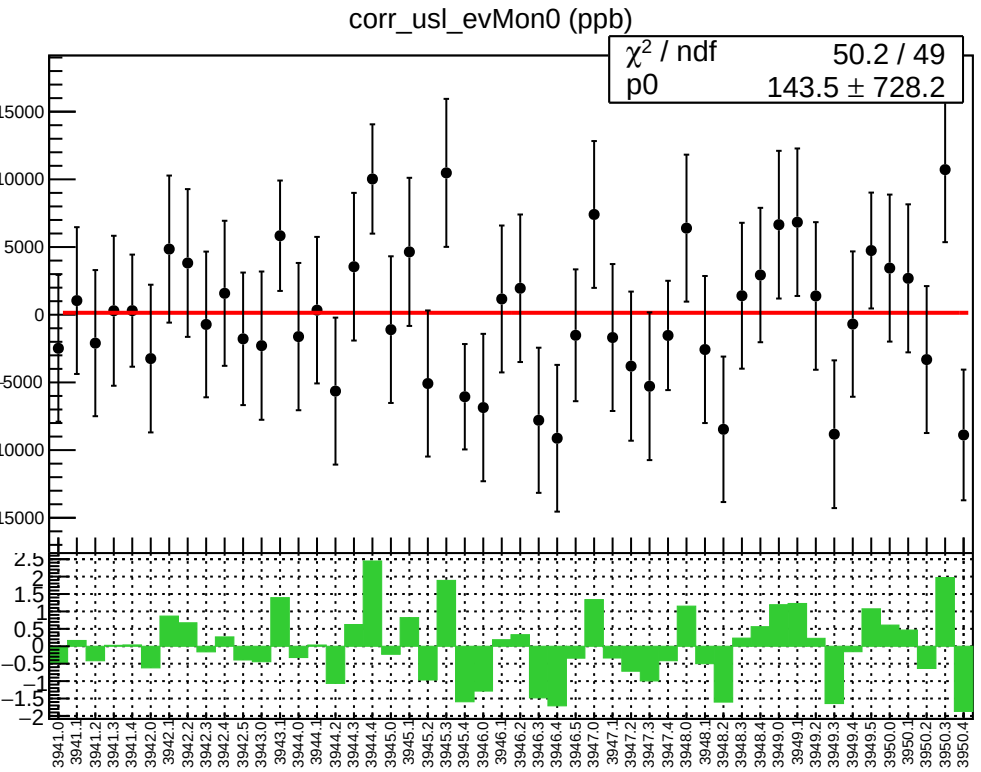

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5

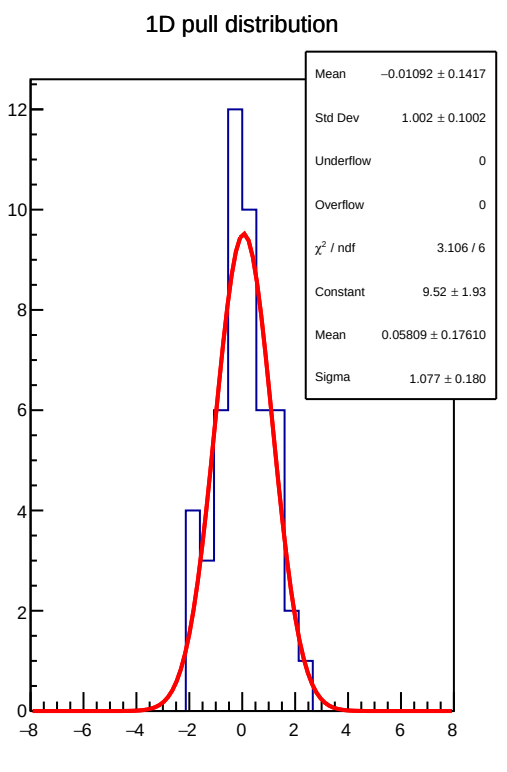

corr_us_dd_evMon10 (ppb)
χ² / ndf 14.26 / 49
p0 5.198 ± 7.13
1D pull distribution
Mean −0.004042 ± 0.07554
Std Dev 0.5341 ± 0.05341
Underflow 0
Overflow 0
χ² / ndf 4.294 / 4
Constant 20.79 ± 4.26
Mean 5.008e−15 ± 1.264e−04
Sigma 0.4679 ± 0.0665

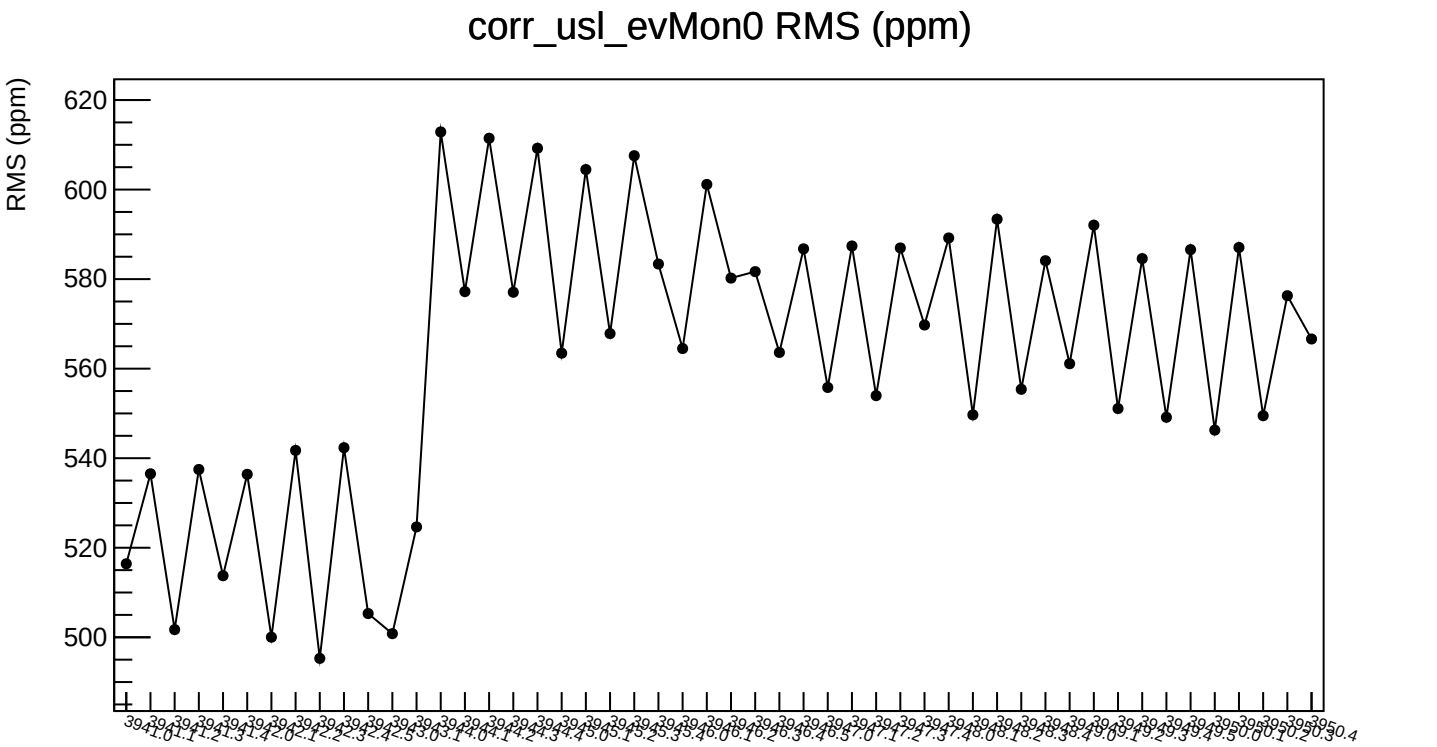

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
5
4
3
2
1

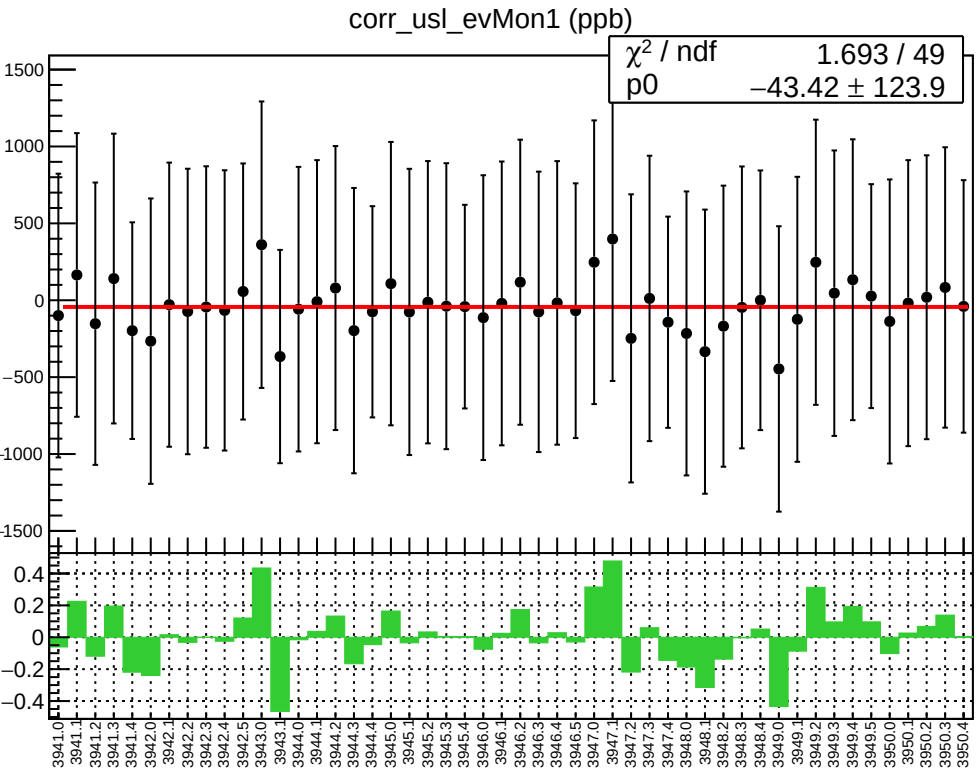

corr_us_dd_evMon11 (ppb)
χ² / ndf 33.29 / 49
p0 −3.558 ± 4.76
1D pull distribution
Mean 0.002698 ± 0.1154
Std Dev 0.816 ± 0.0816
Underflow 0
Overflow 0
χ² / ndf 5.139 / 6
Constant 12.24 ± 2.75
Mean 0.1224 ± 0.1197
Sigma 0.7835 ± 0.1364

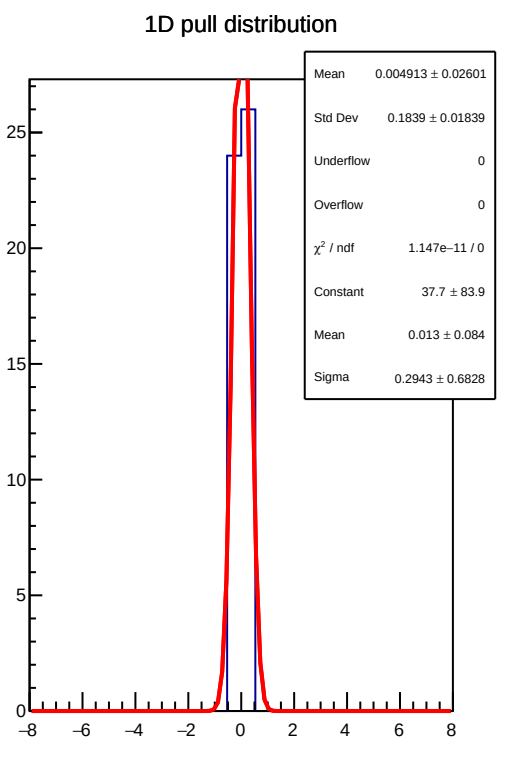

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5

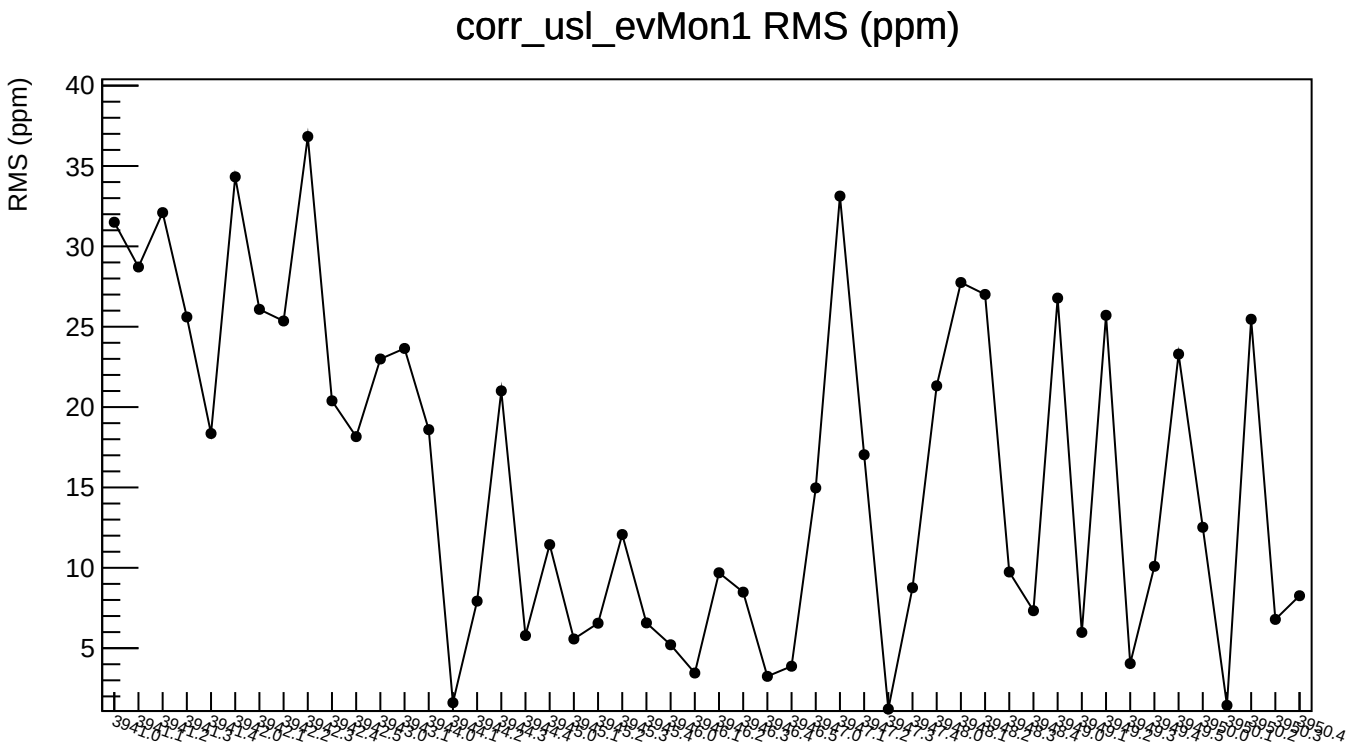

corr_usl_evMon0 (ppb)
χ² / ndf 50.2 / 49
p0 143.5 ± 728.2
15000
10000
5000
0
−5000
−10000
−15000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

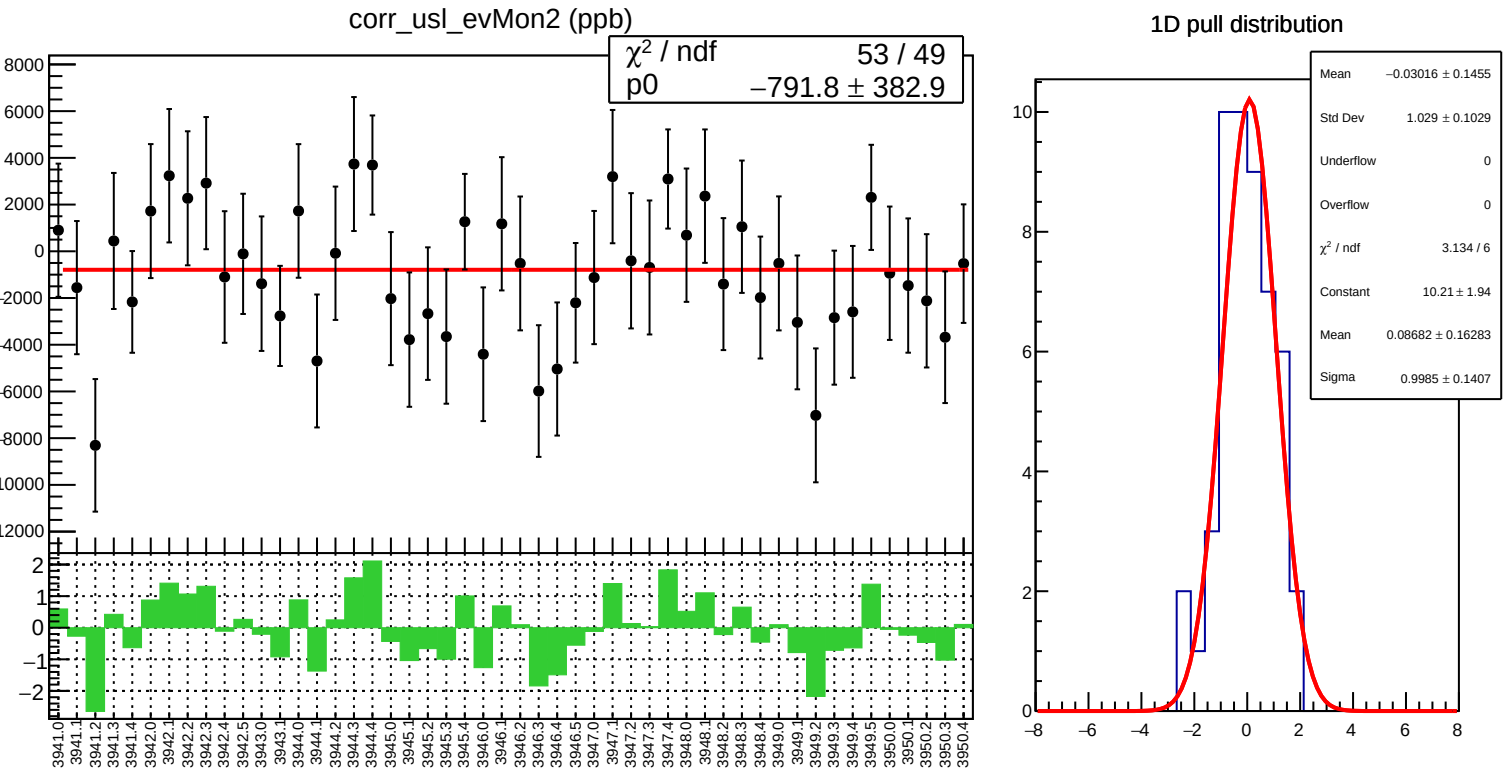

1D pull distribution
Mean −0.01092 ± 0.1417
Std Dev 1.002 ± 0.1002
Underflow 0
Overflow 0
χ² / ndf 3.106 / 6
Constant 9.52 ± 1.93
Mean 0.05809 ± 0.17610
Sigma 1.077 ± 0.180
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

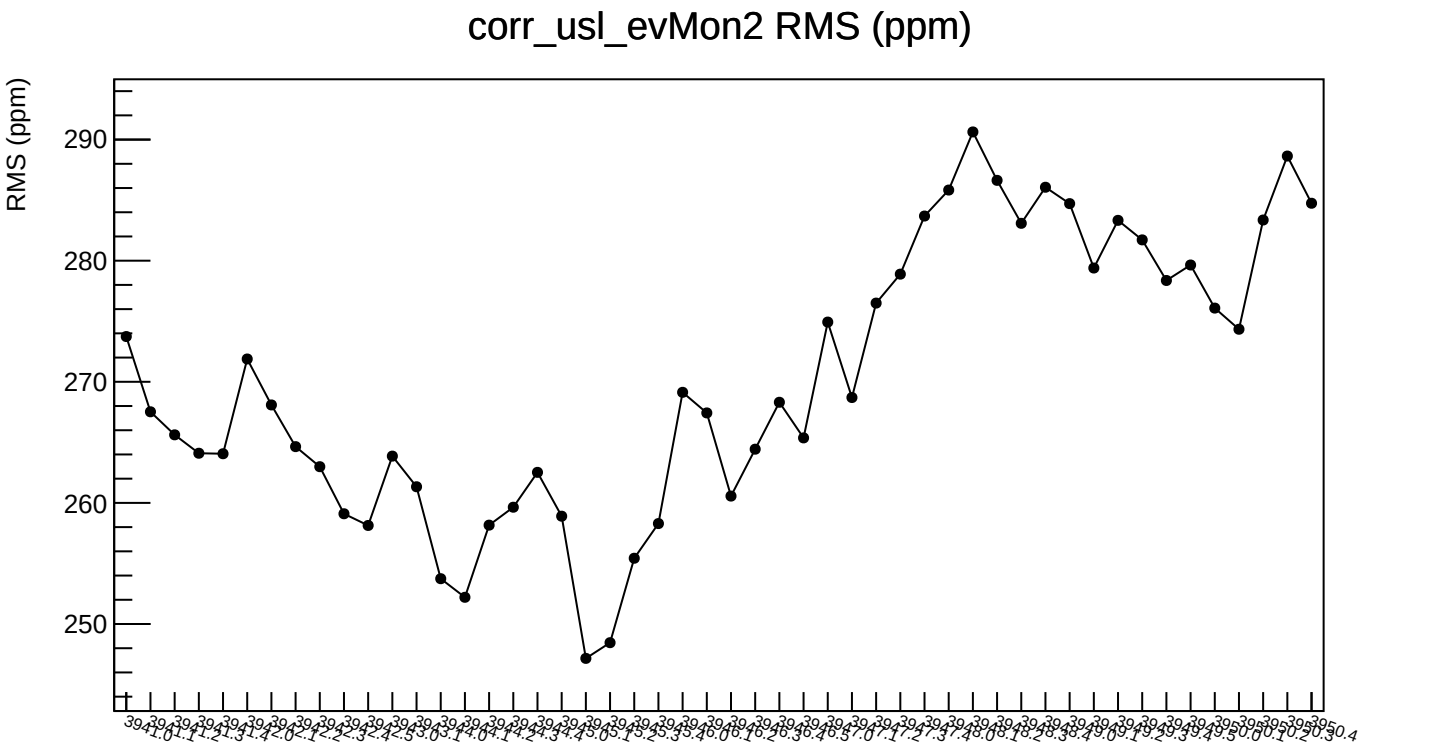

corr_usl_evMon0 RMS (ppm)
RMS (ppm)
620
600
580
560
540
520
500

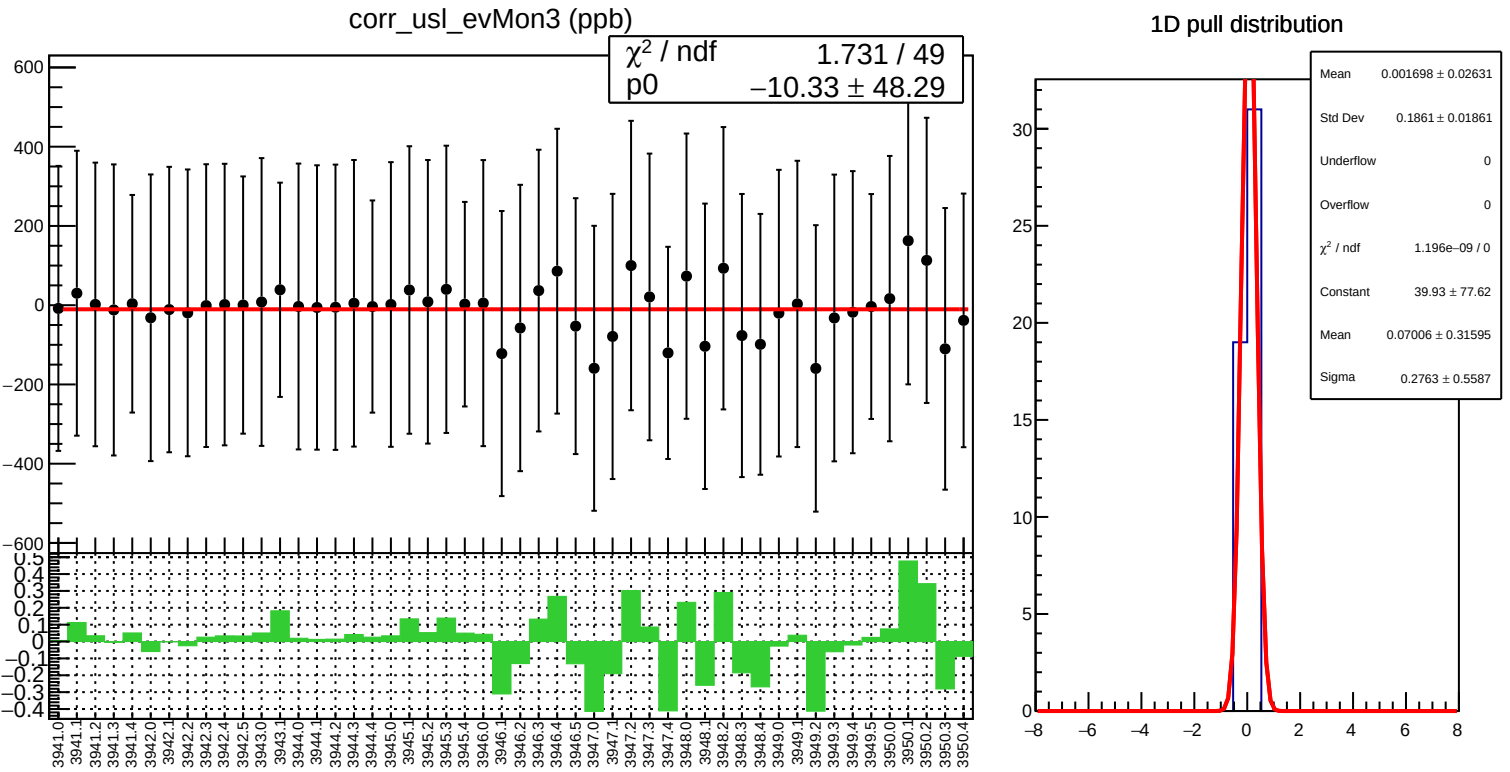

corr_usl_evMon1 (ppb)
χ² / ndf 1.693 / 49
p0 −43.42 ± 123.9
1500
1000
500
0
−500
−1000
−1500
0.4
0.2
0
−0.2
−0.4
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

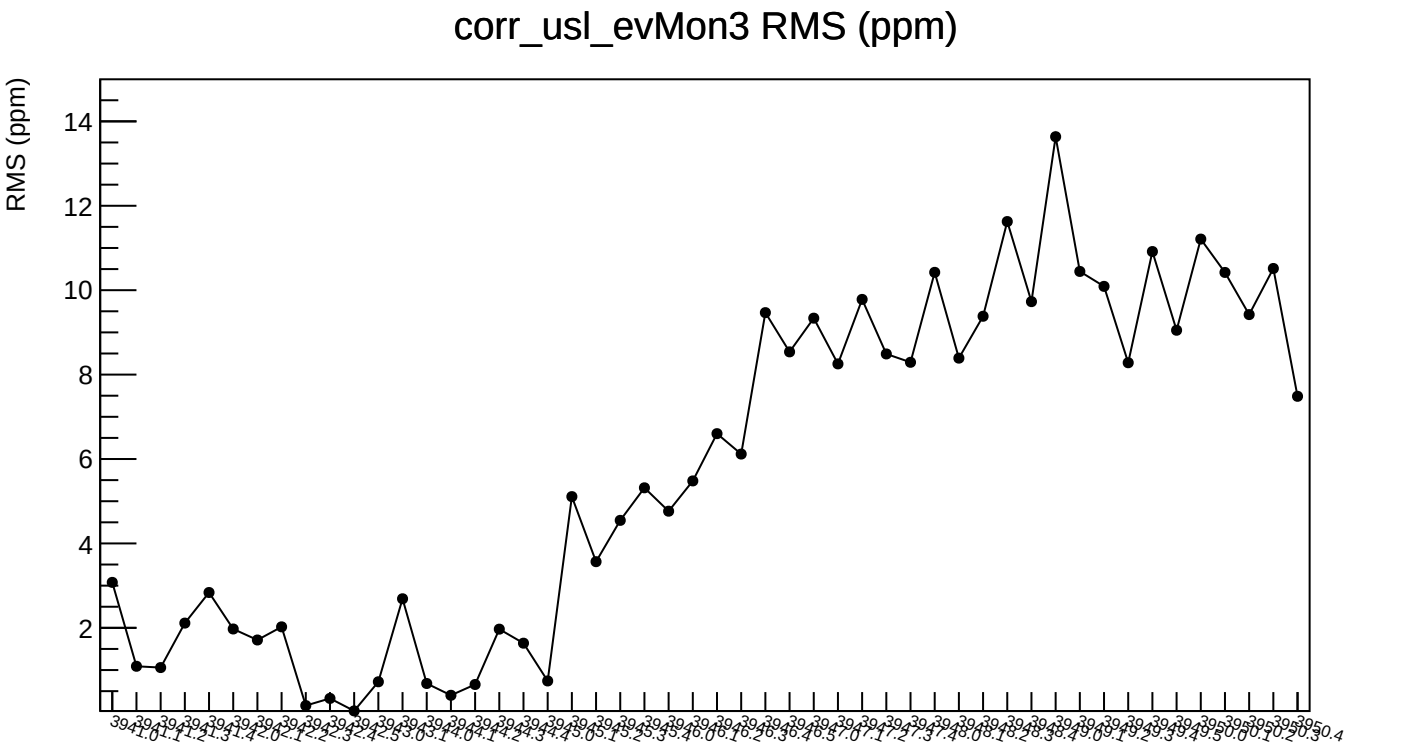

1D pull distribution
Mean 0.004913 ± 0.02601
Std Dev 0.1839 ± 0.01839
Underflow 0
Overflow 0
χ² / ndf 1.147e−11 / 0
Constant 37.7 ± 83.9
Mean 0.013 ± 0.084
Sigma 0.2943 ± 0.6828
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

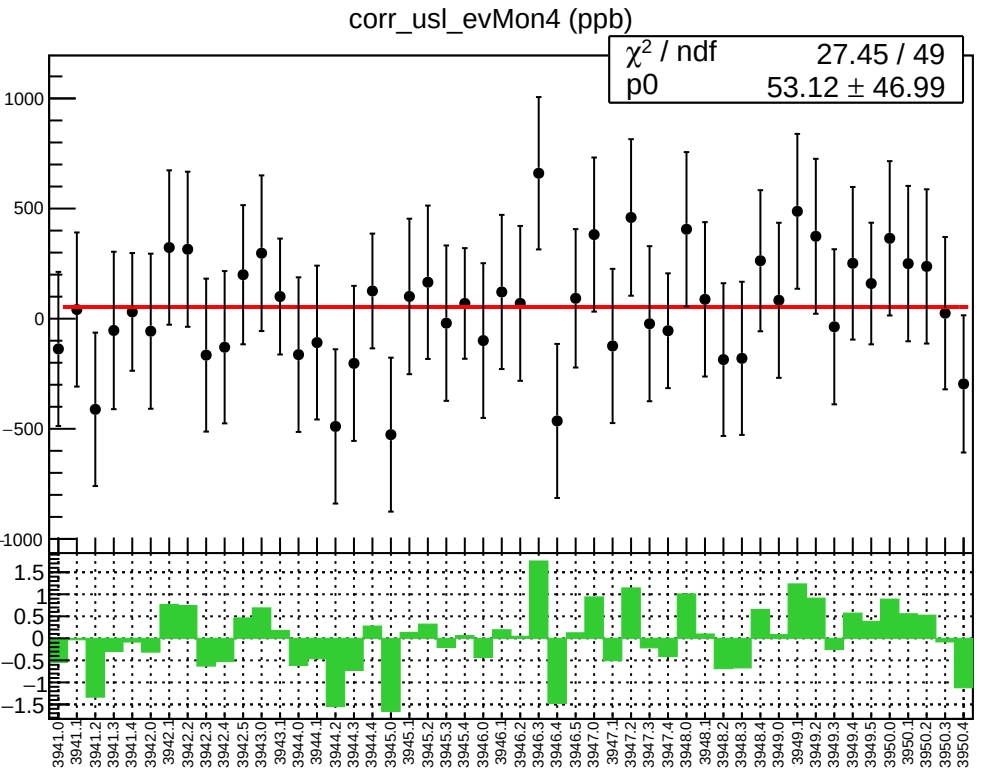

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
40
35
30
25
20
15
10
5

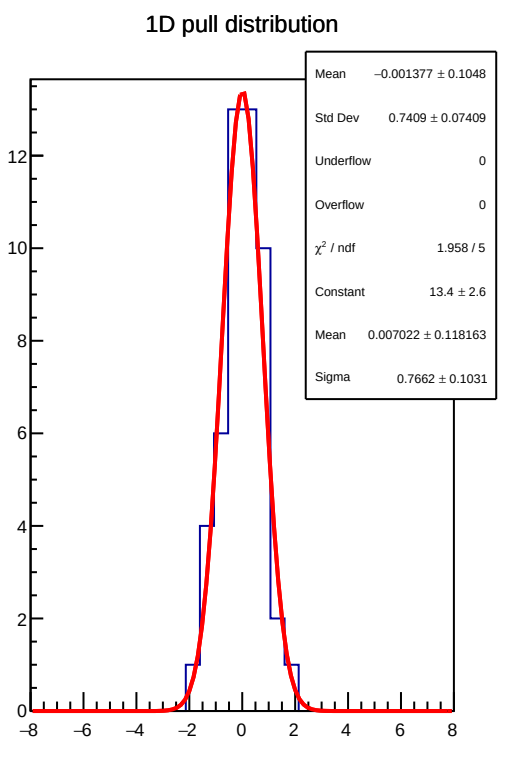

corr_usl_evMon2 (ppb)
χ² / ndf 53 / 49
p0 −791.8 ± 382.9
1D pull distribution
Mean −0.03016 ± 0.1455
Std Dev 1.029 ± 0.1029
Underflow 0
Overflow 0
χ² / ndf 3.134 / 6
Constant 10.21 ± 1.94
Mean 0.08682 ± 0.16283
Sigma 0.9985 ± 0.1407

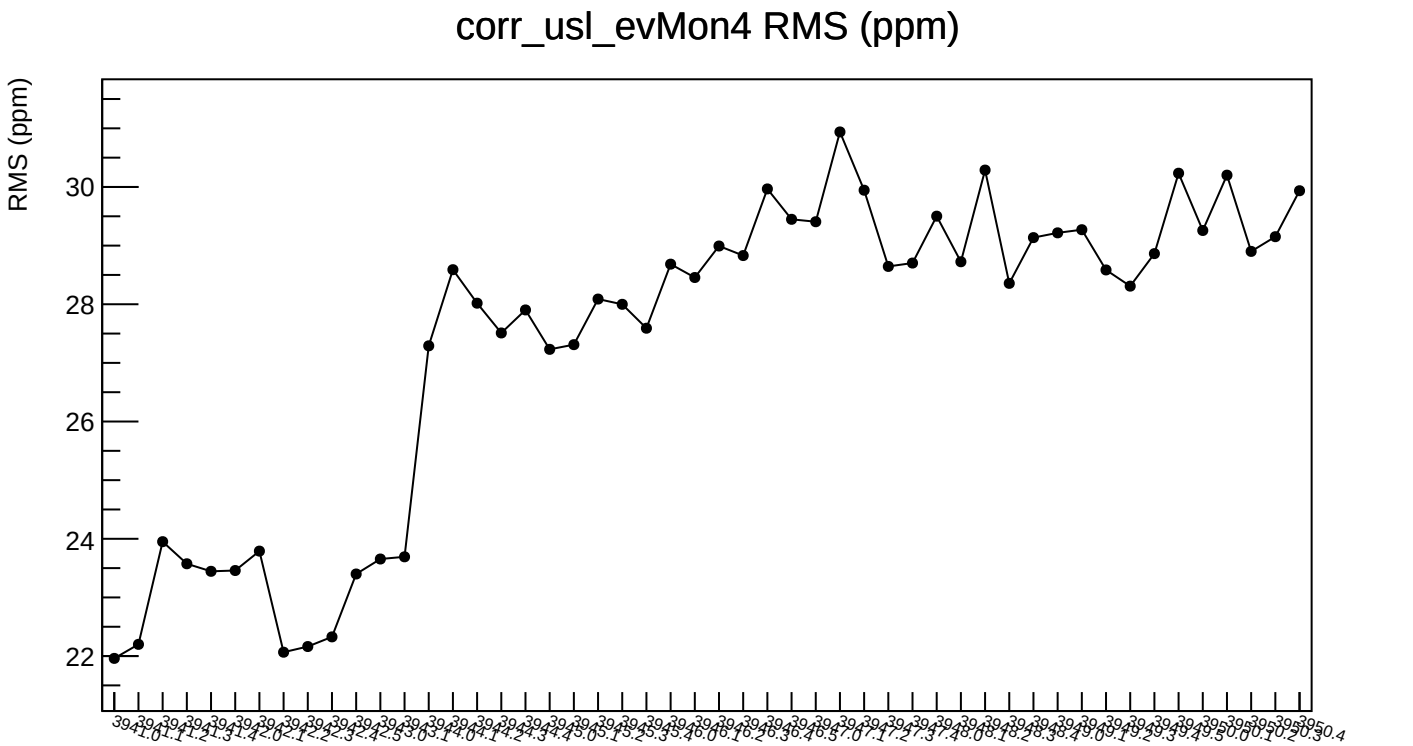

corr_usl_evMon2 RMS (ppm)
RMS (ppm)
290
280
270
260
250

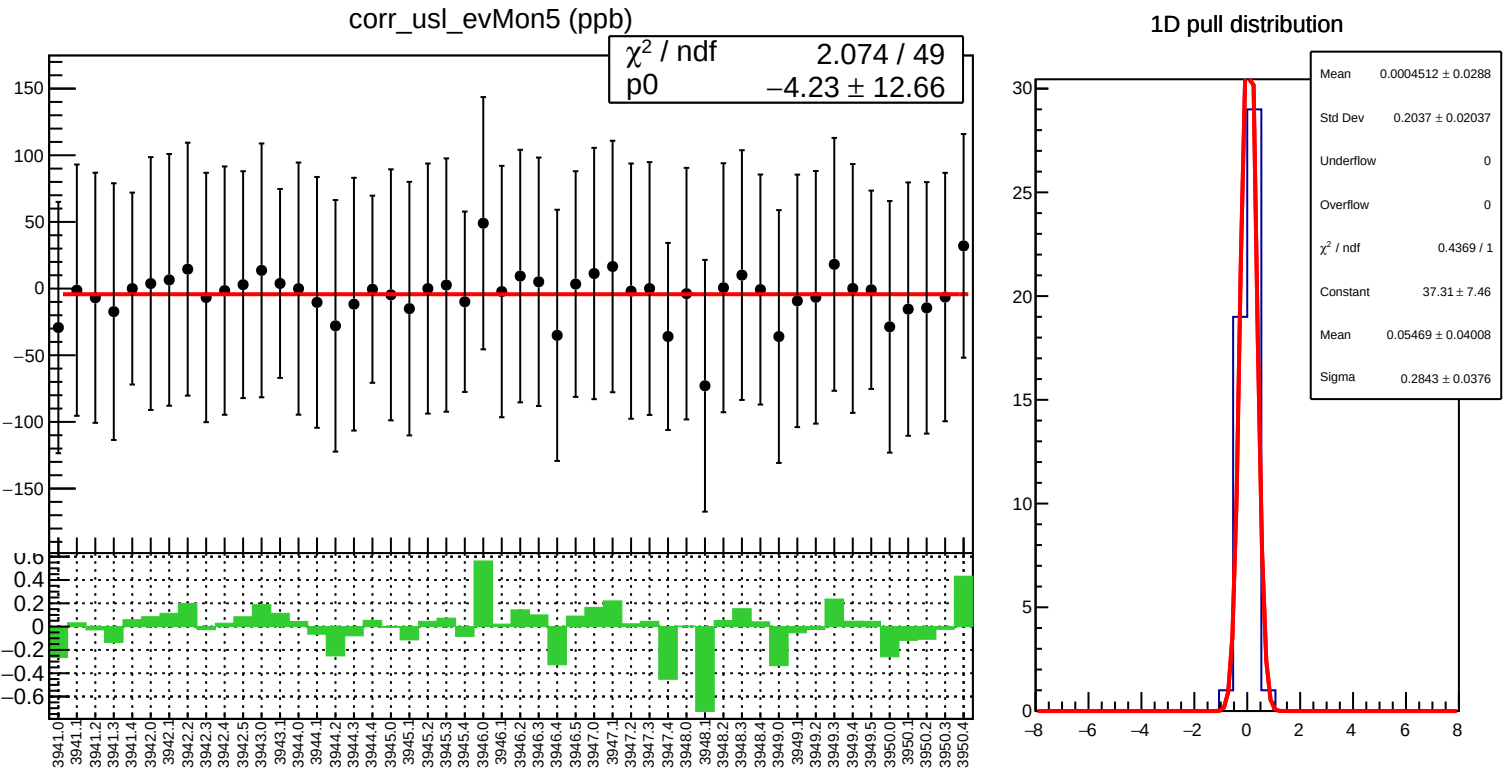

corr_usl_evMon3 (ppb)
χ² / ndf 1.731 / 49
p0 −10.33 ± 48.29
1D pull distribution
Mean 0.001698 ± 0.02631
Std Dev 0.1861 ± 0.01861
Underflow 0
Overflow 0
χ² / ndf 1.196e−09 / 0
Constant 39.93 ± 77.62
Mean 0.07006 ± 0.31595
Sigma 0.2763 ± 0.5587

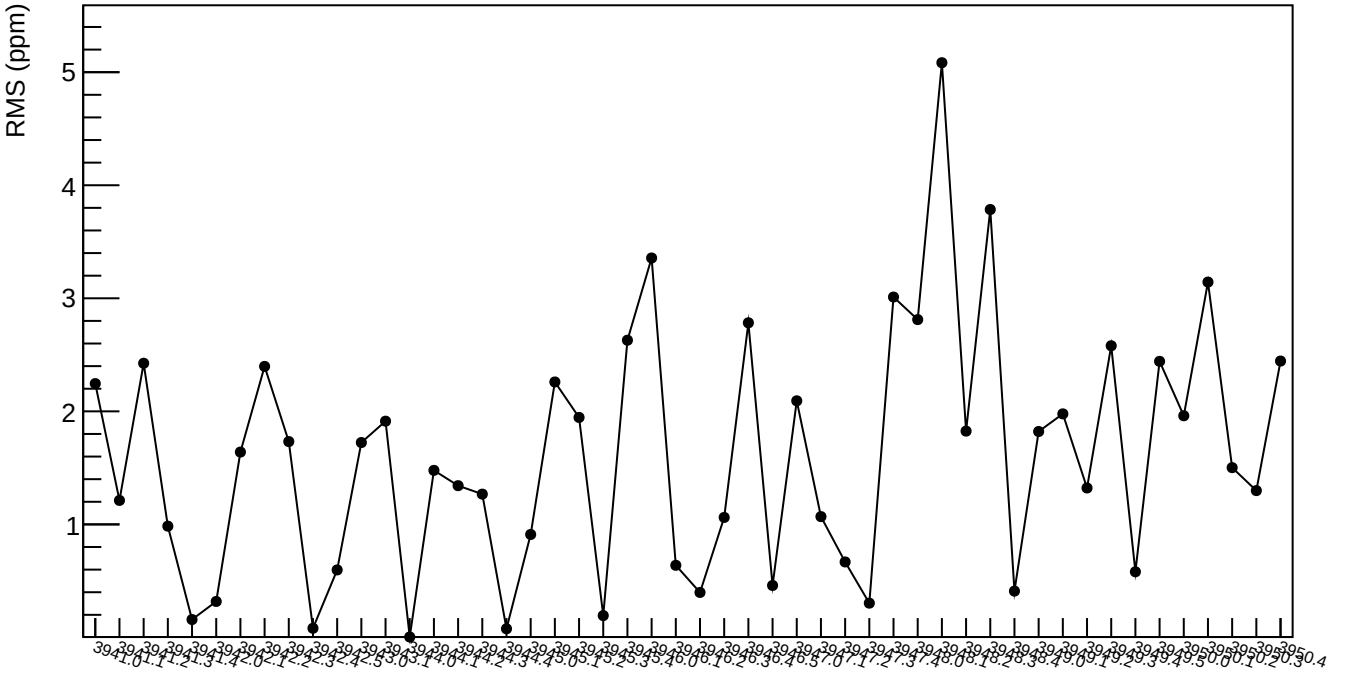

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
2

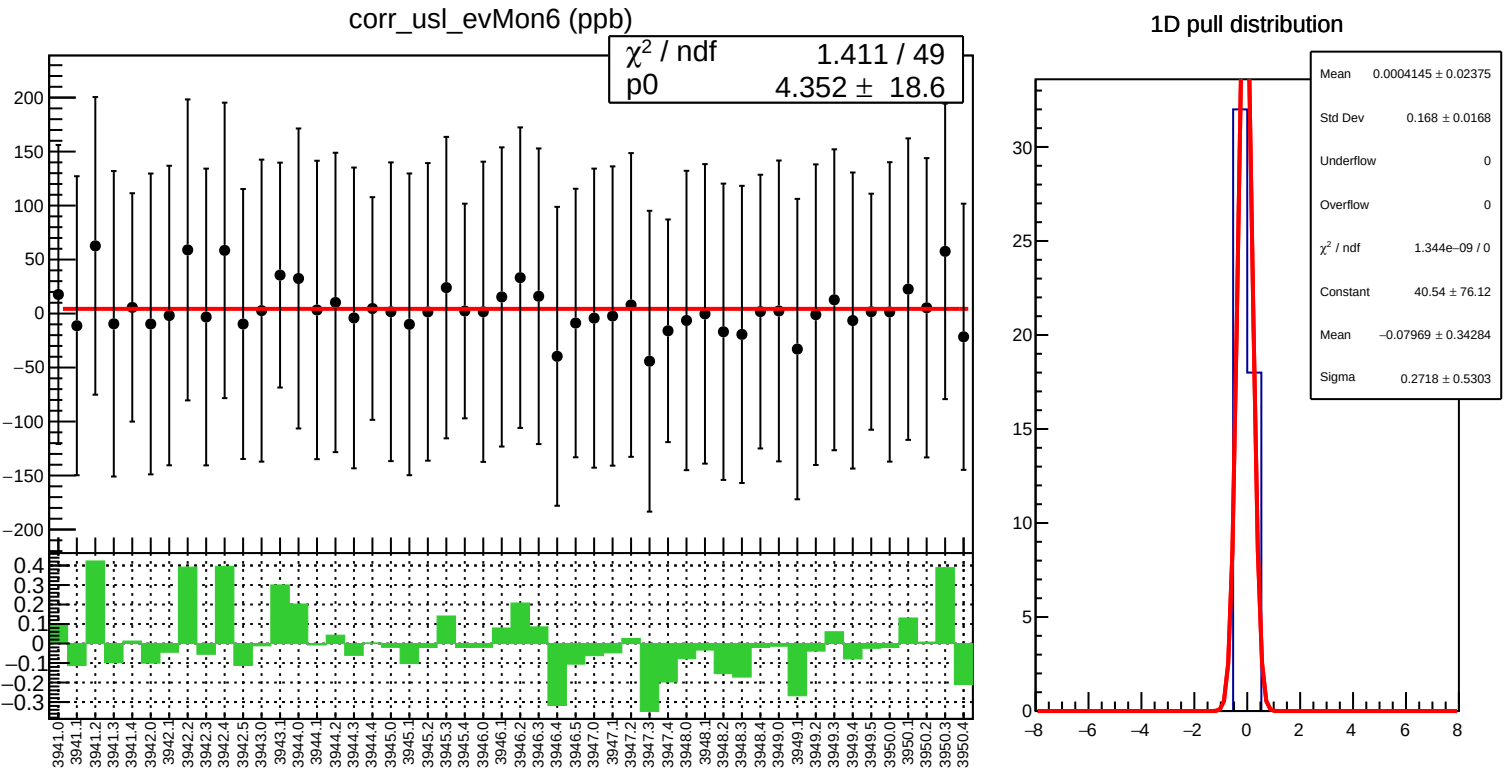

corr_usl_evMon4 (ppb)
χ² / ndf 27.45 / 49
p0 53.12 ± 46.99
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

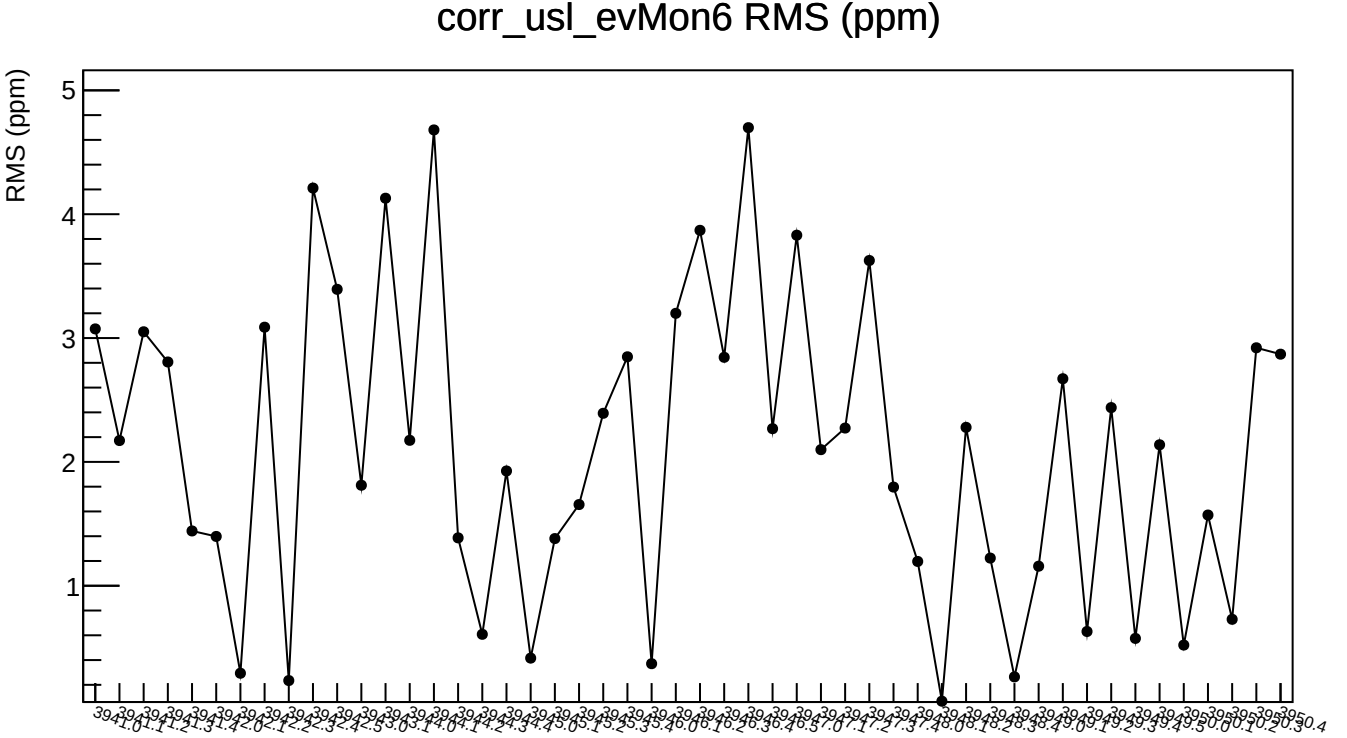

1D pull distribution
Mean −0.001377 ± 0.1048
Std Dev 0.7409 ± 0.07409
Underflow 0
Overflow 0
χ² / ndf 1.958 / 5
Constant 13.4 ± 2.6
Mean 0.007022 ± 0.118163
Sigma 0.7662 ± 0.1031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

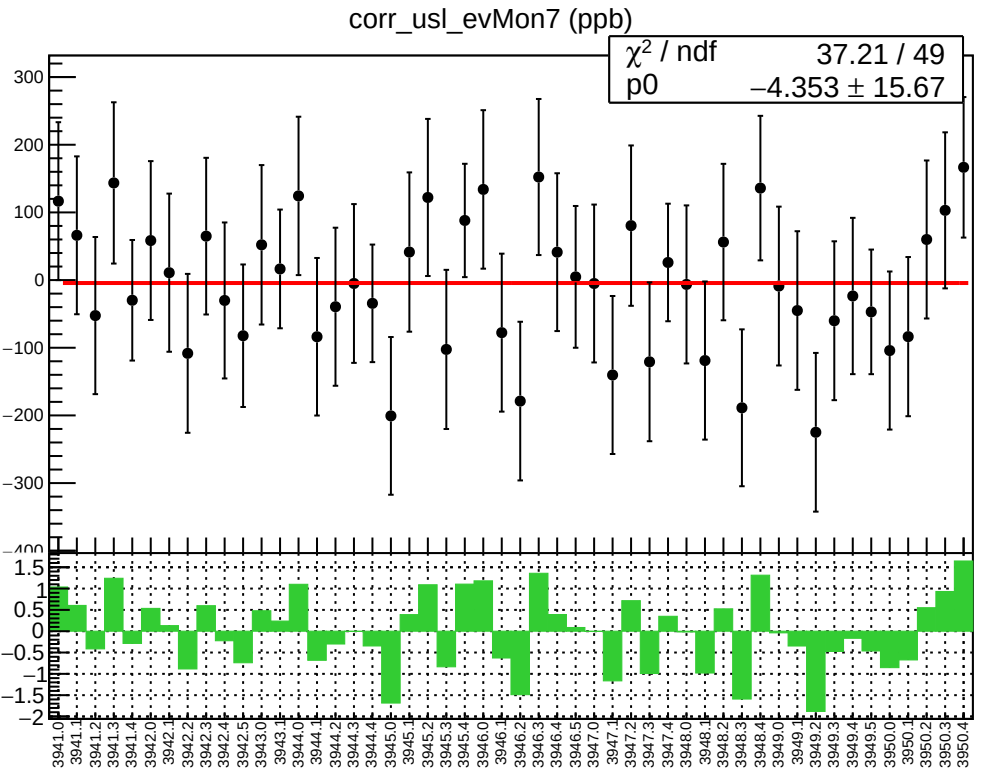

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
30
28
26
24
22

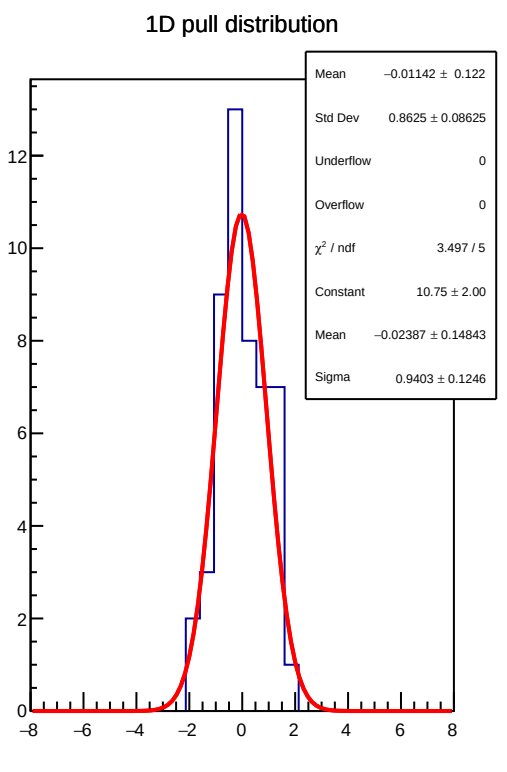

corr_usl_evMon5 (ppb)
χ² / ndf 2.074 / 49
p0 −4.23 ± 12.66
1D pull distribution
Mean 0.0004512 ± 0.0288
Std Dev 0.2037 ± 0.02037
Underflow 0
Overflow 0
χ² / ndf 0.4369 / 1
Constant 37.31 ± 7.46
Mean 0.05469 ± 0.04008
Sigma 0.2843 ± 0.0376

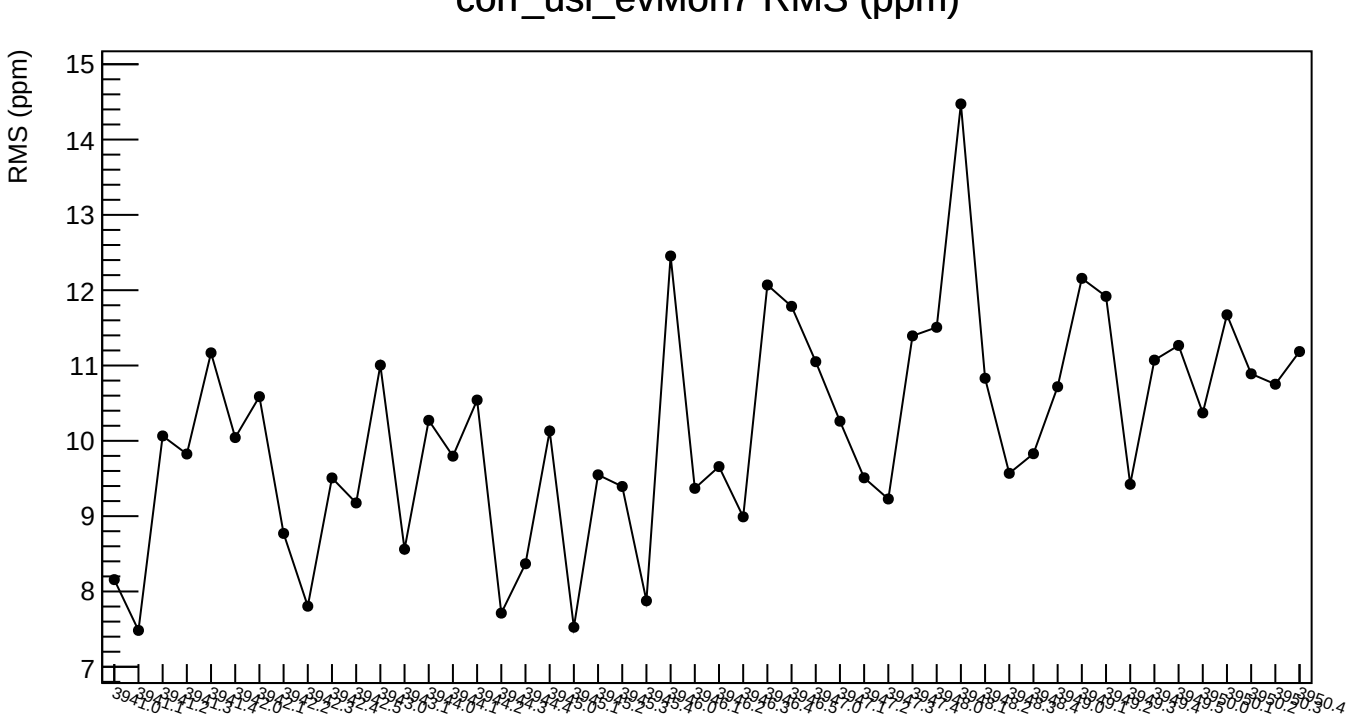

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
1
2
3
4
5

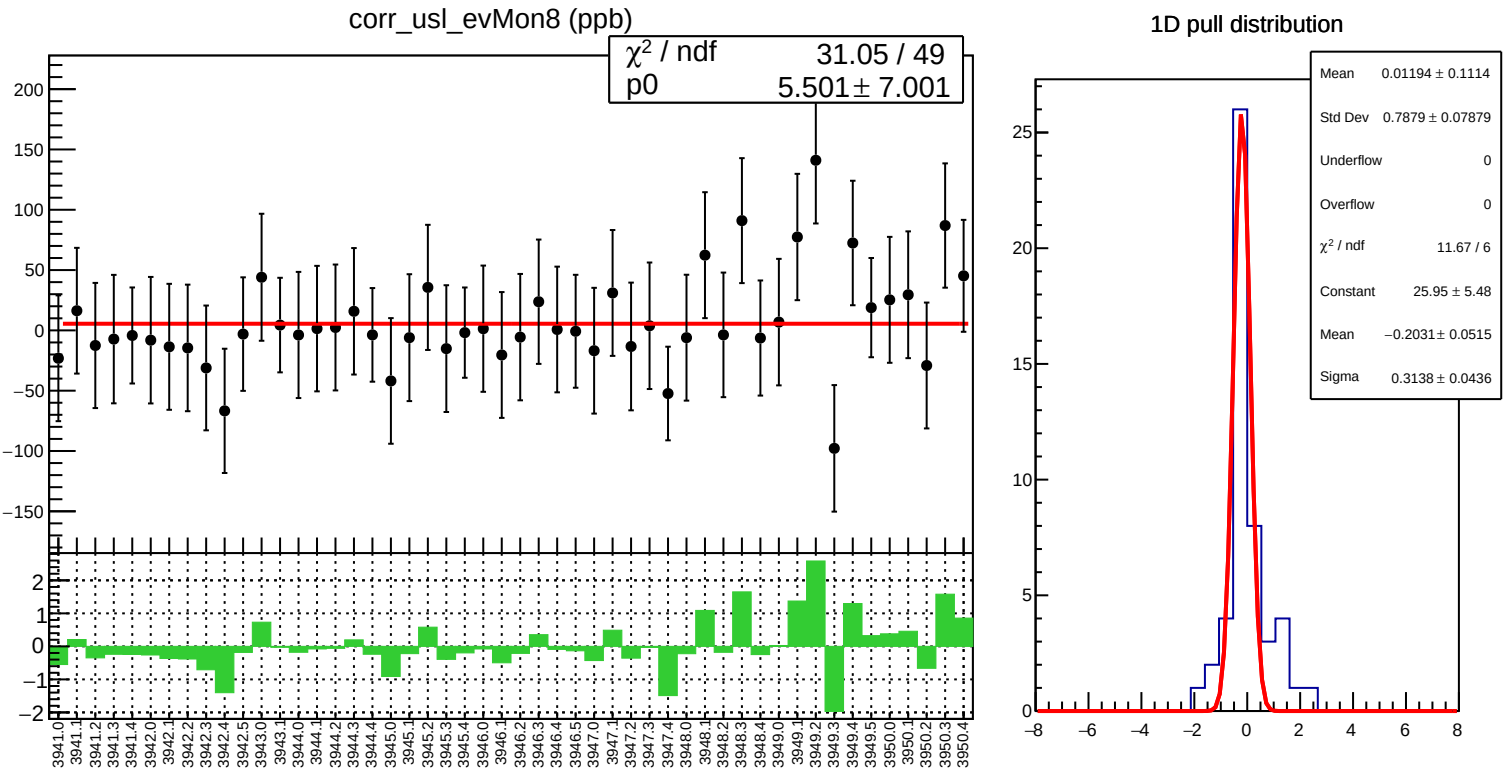

corr_usl_evMon6 (ppb)
χ² / ndf 1.411 / 49
p0 4.352 ± 18.6
1D pull distribution
Mean 0.0004145 ± 0.02375
Std Dev 0.168 ± 0.0168
Underflow 0
Overflow 0
χ² / ndf 1.344e−09 / 0
Constant 40.54 ± 76.12
Mean −0.07969 ± 0.34284
Sigma 0.2718 ± 0.5303

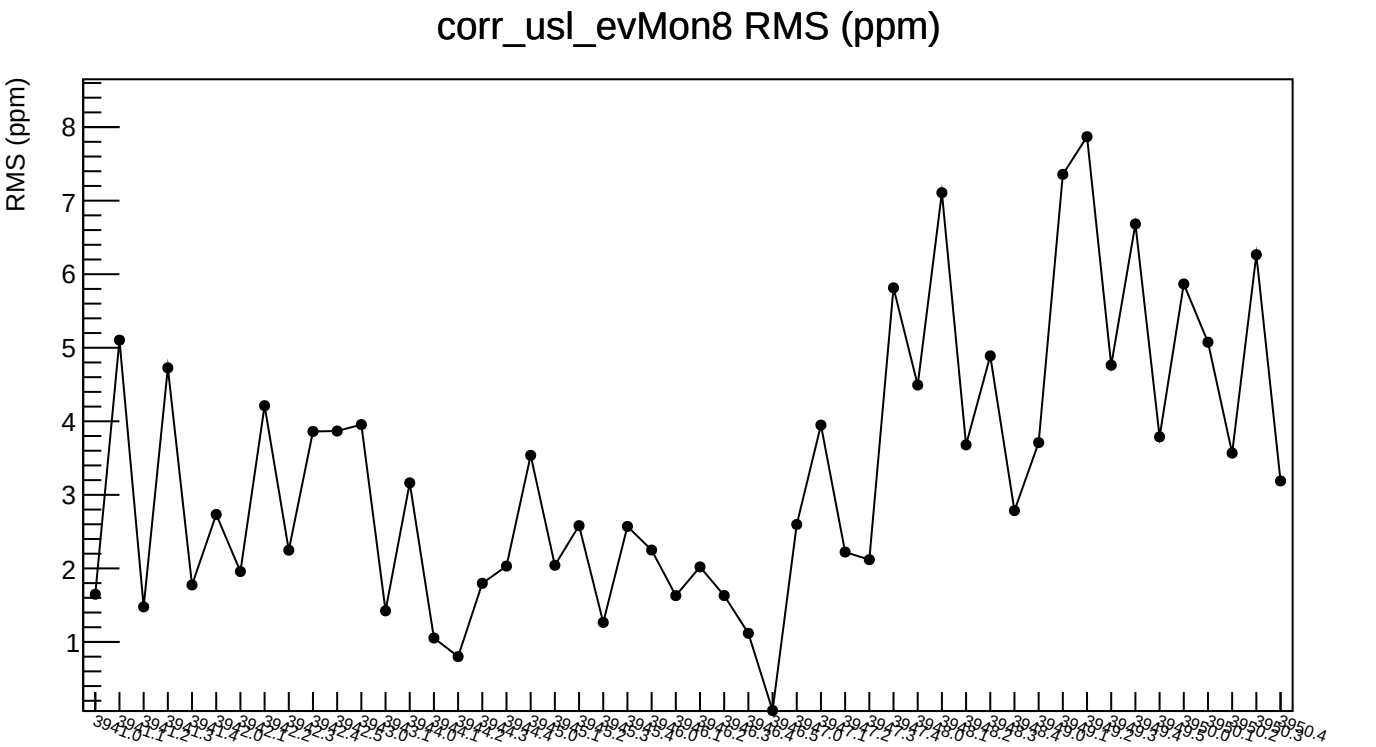

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
5
4
3
2
1

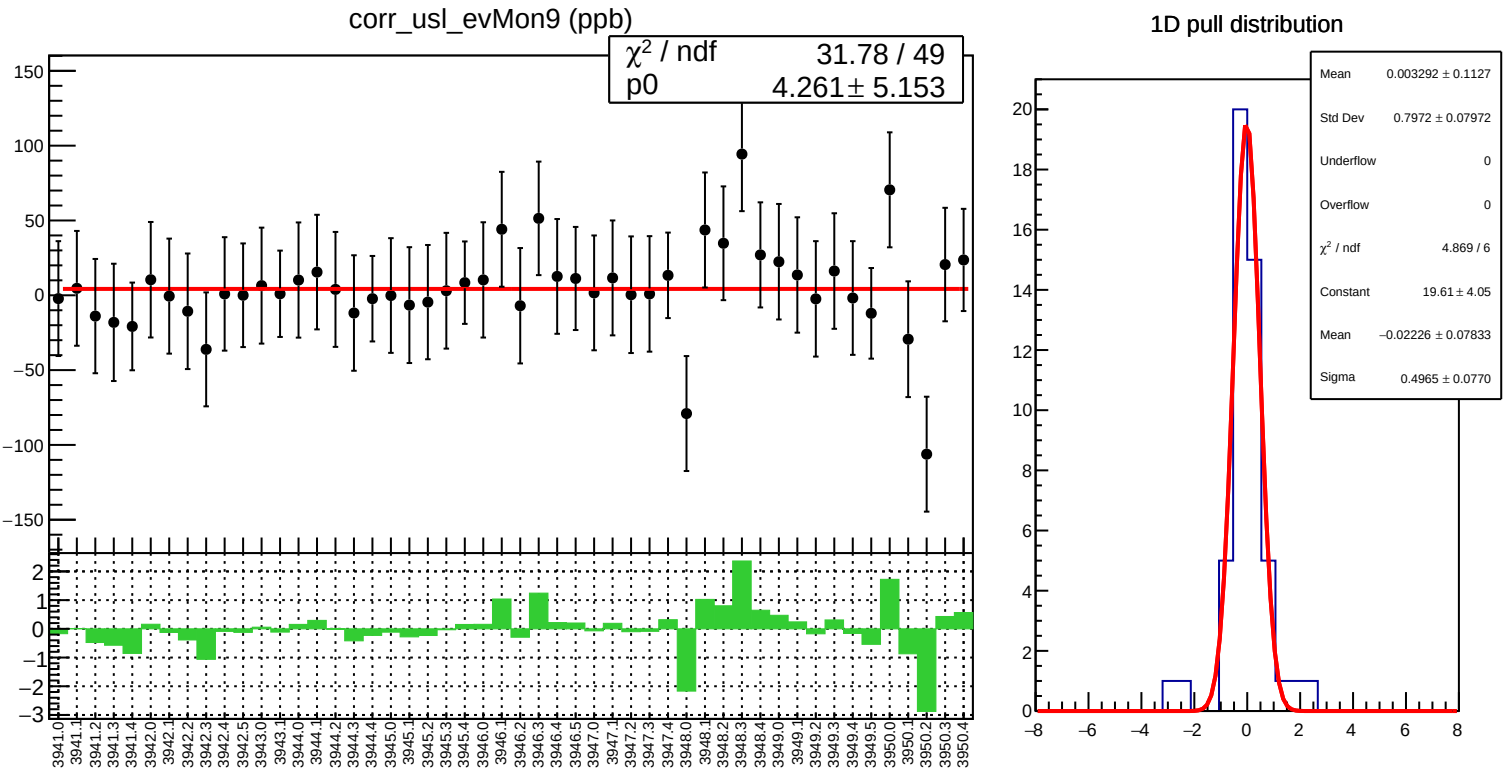

corr_usl_evMon7 (ppb)
χ² / ndf 37.21 / 49
p0 −4.353 ± 15.67

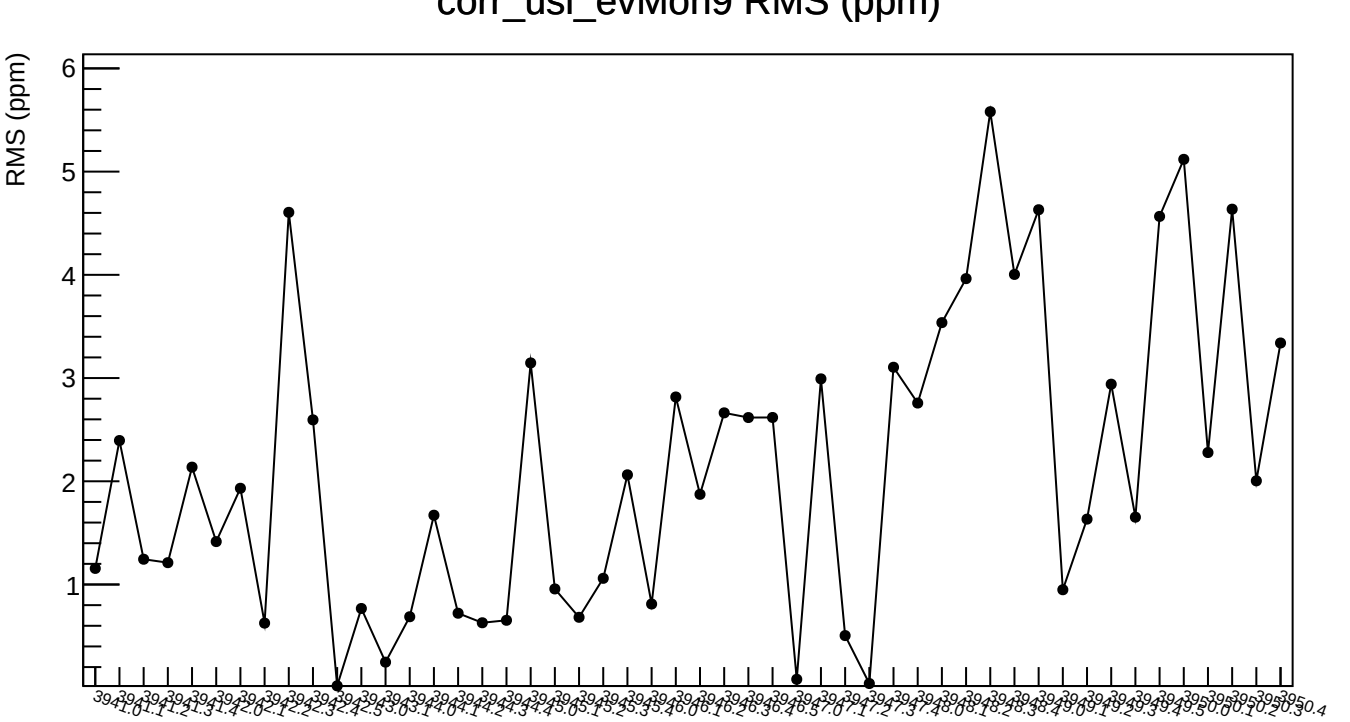

1D pull distribution
Mean −0.01142 ± 0.122
Std Dev 0.8625 ± 0.08625
Underflow 0
Overflow 0
χ² / ndf 3.497 / 5
Constant 10.75 ± 2.00
Mean −0.02387 ± 0.14843
Sigma 0.9403 ± 0.1246

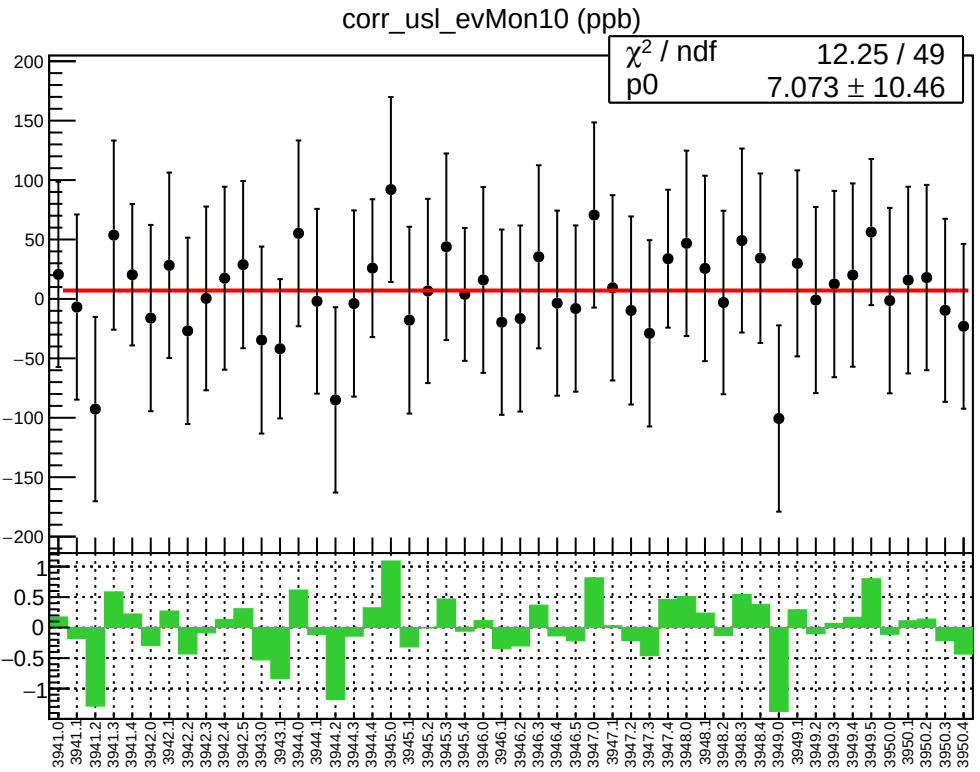

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
15
14
13
12
11
10
9
8
7

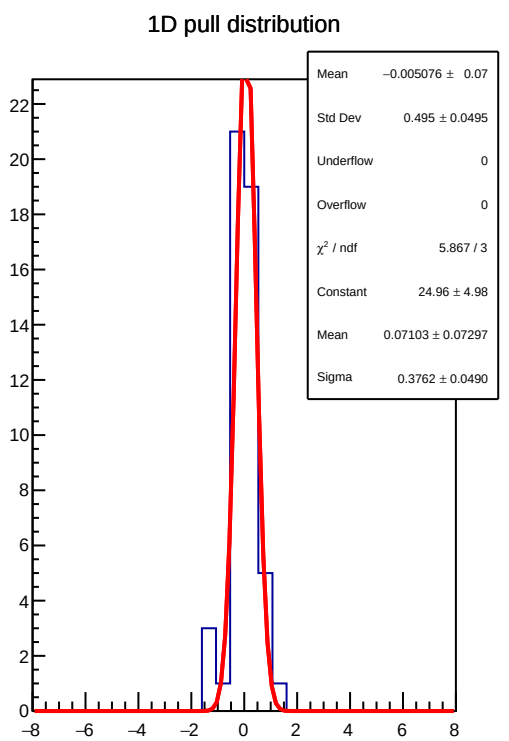

corr_usl_evMon8 (ppb)
χ² / ndf 31.05 / 49
p0 5.501 ± 7.001
1D pull distribution
Mean 0.01194 ± 0.1114
Std Dev 0.7879 ± 0.07879
Underflow 0
Overflow 0
χ² / ndf 11.67 / 6
Constant 25.95 ± 5.48
Mean −0.2031 ± 0.0515
Sigma 0.3138 ± 0.0436

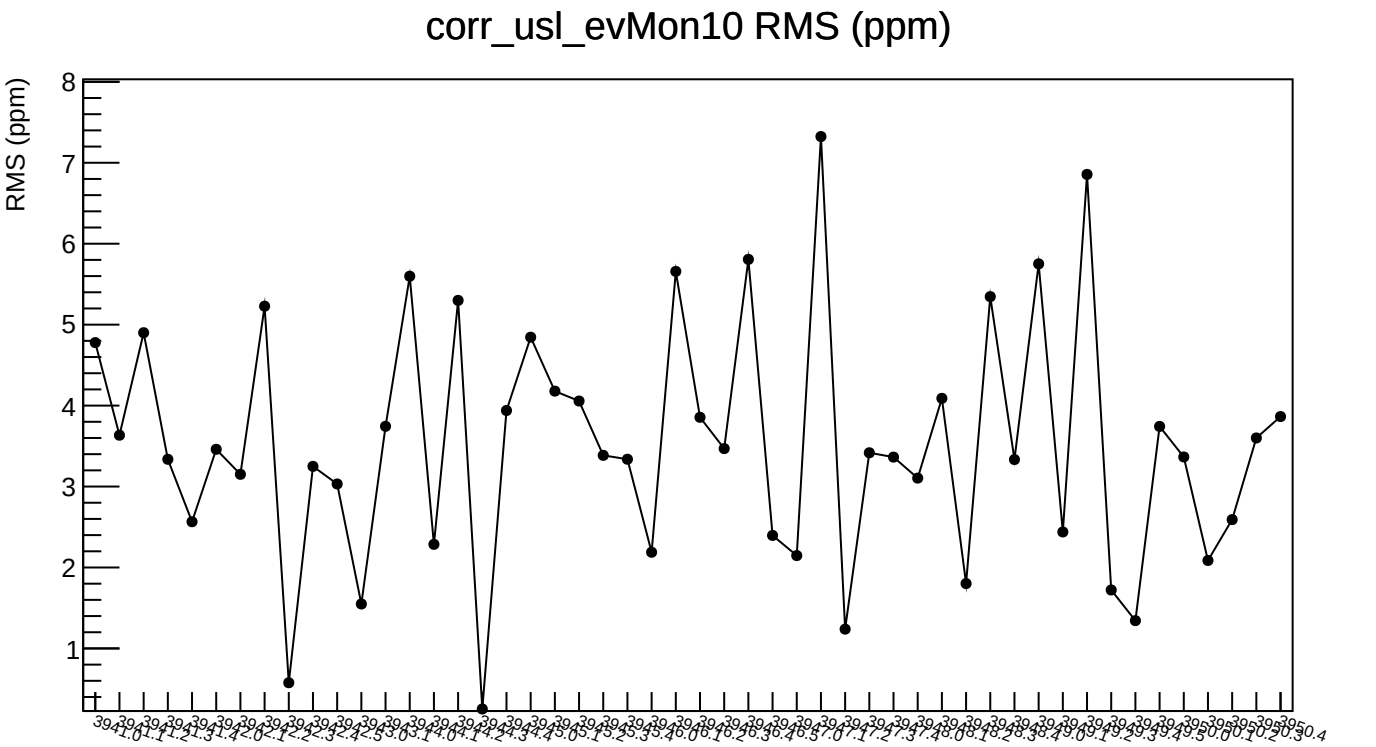

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8

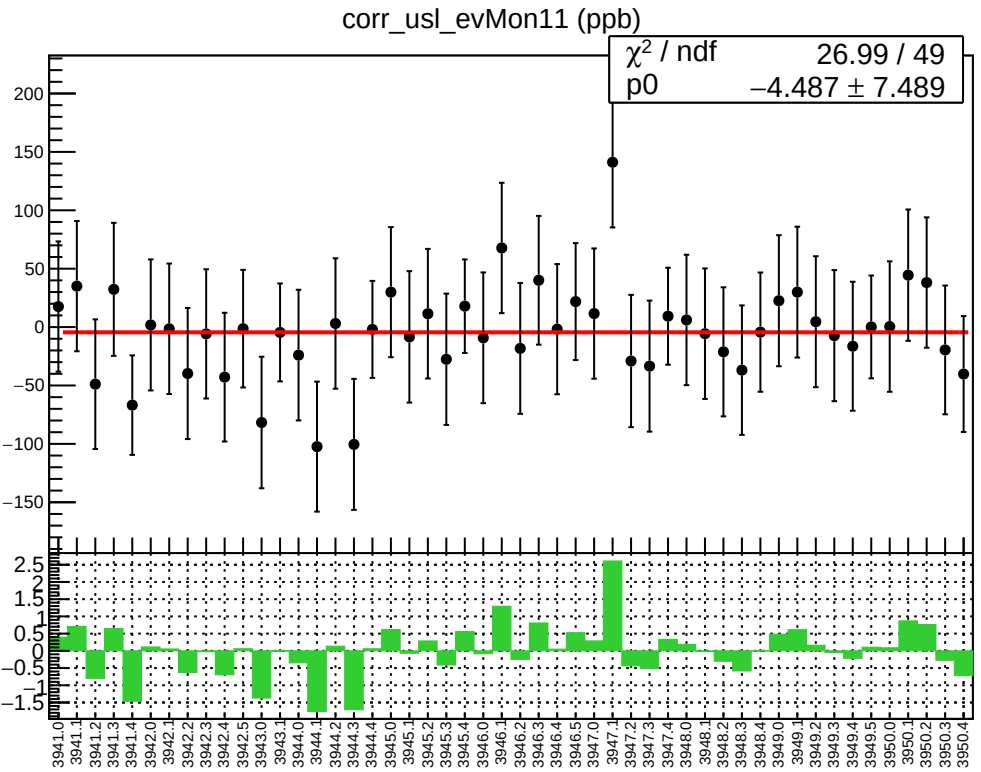

corr_usl_evMon9 (ppb)
χ² / ndf 31.78 / 49
p0 4.261 ± 5.153
1D pull distribution
Mean 0.003292 ± 0.1127
Std Dev 0.7972 ± 0.07972
Underflow 0
Overflow 0
χ² / ndf 4.869 / 6
Constant 19.61 ± 4.05
Mean −0.02226 ± 0.07833
Sigma 0.4965 ± 0.0770

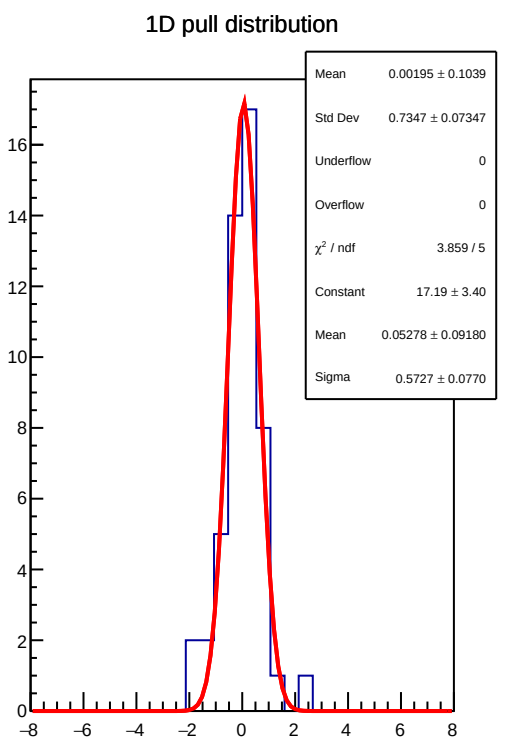

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1

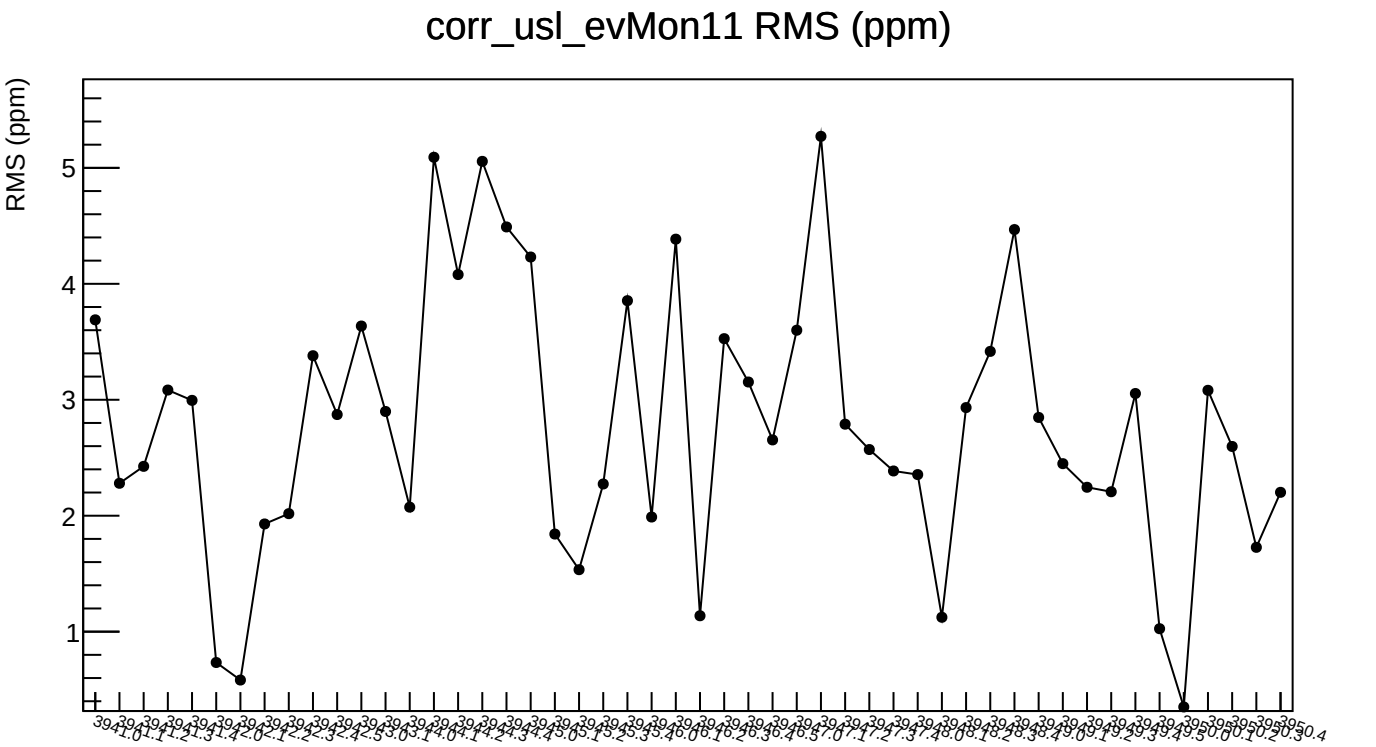

corr_usl_evMon10 (ppb)
χ² / ndf 12.25 / 49
p0 7.073 ± 10.46

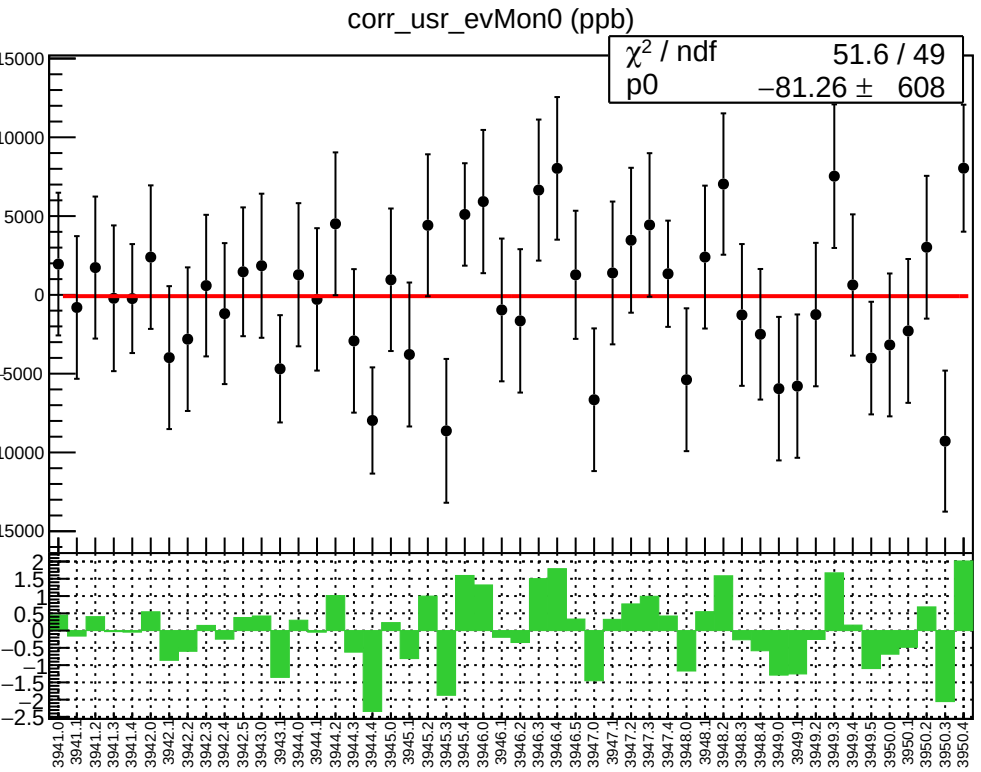

1D pull distribution
Mean −0.005076 ± 0.07
Std Dev 0.495 ± 0.0495
Underflow 0
Overflow 0
χ² / ndf 5.867 / 3
Constant 24.96 ± 4.98
Mean 0.07103 ± 0.07297
Sigma 0.3762 ± 0.0490

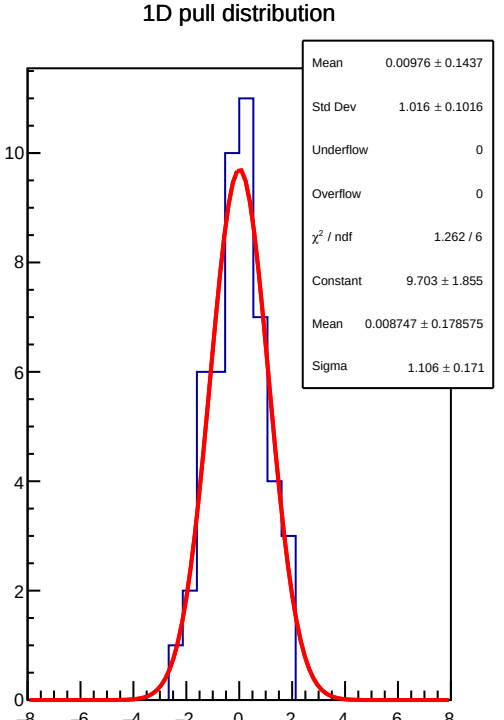

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
2
1

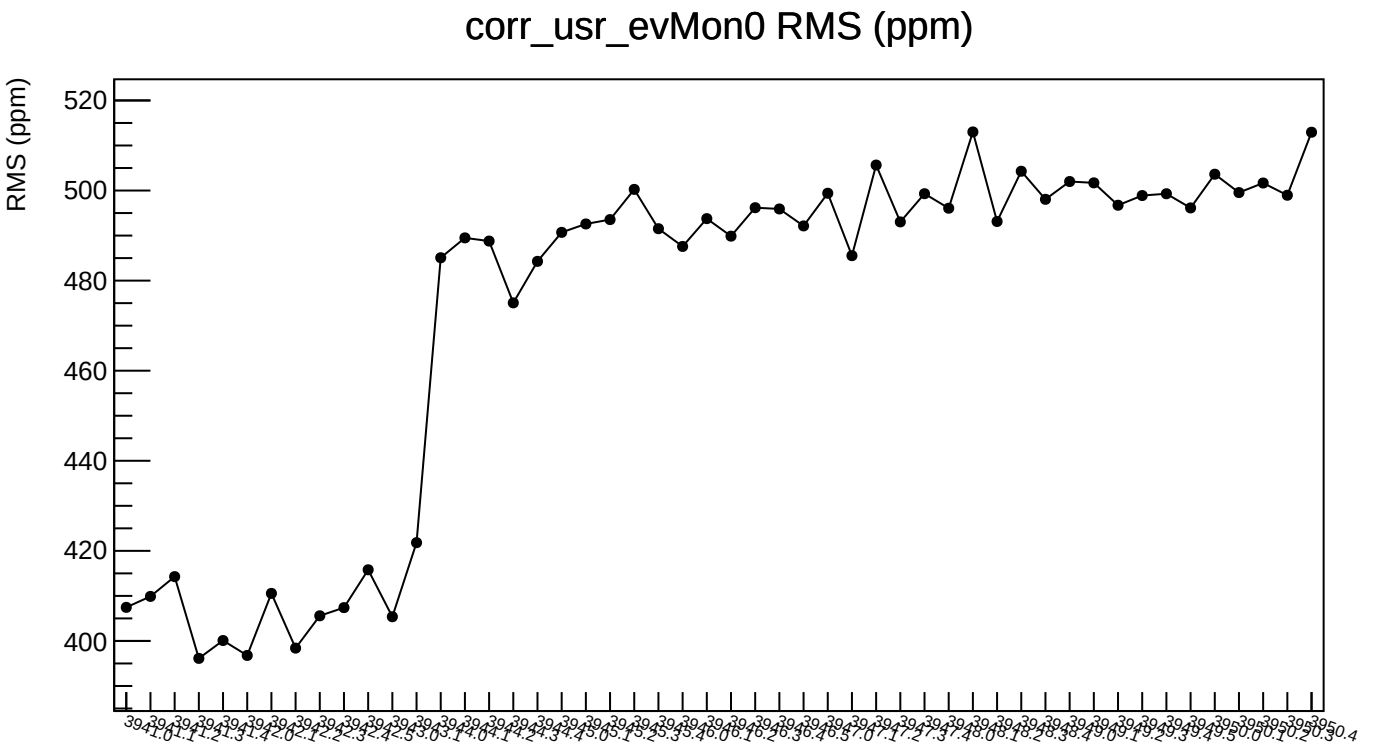

corr_usl_evMon11 (ppb)
χ² / ndf 26.99 / 49
p0 −4.487 ± 7.489

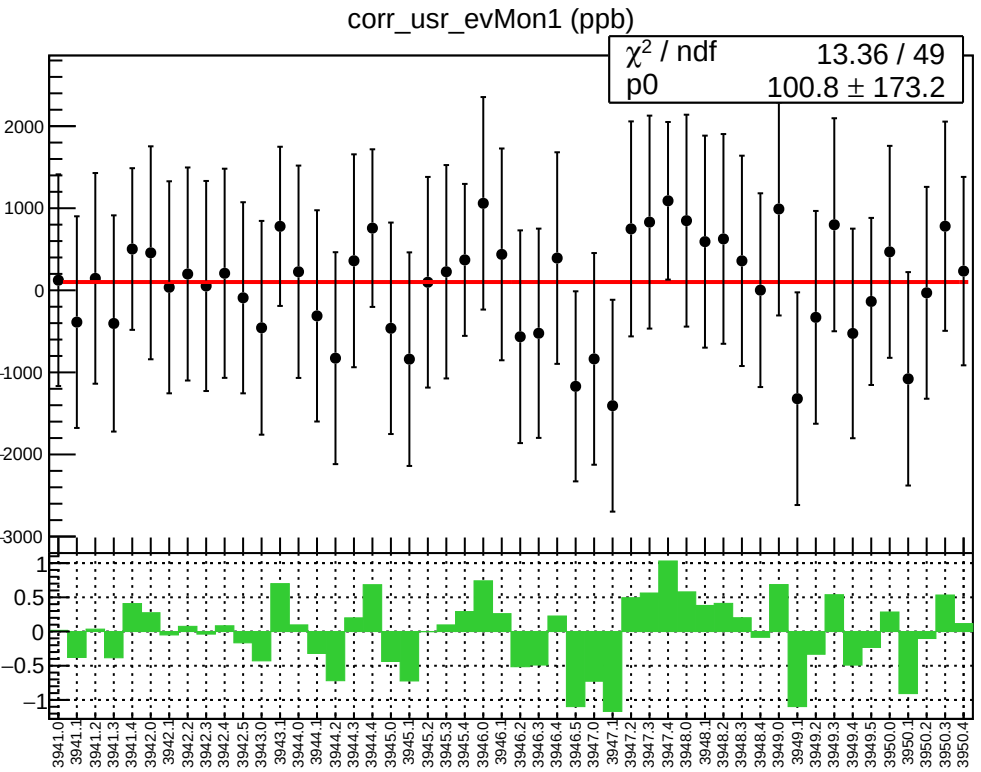

1D pull distribution
Mean 0.00195 ± 0.1039
Std Dev 0.7347 ± 0.07347
Underflow 0
Overflow 0
χ² / ndf 3.859 / 5
Constant 17.19 ± 3.40
Mean 0.05278 ± 0.09180
Sigma 0.5727 ± 0.0770

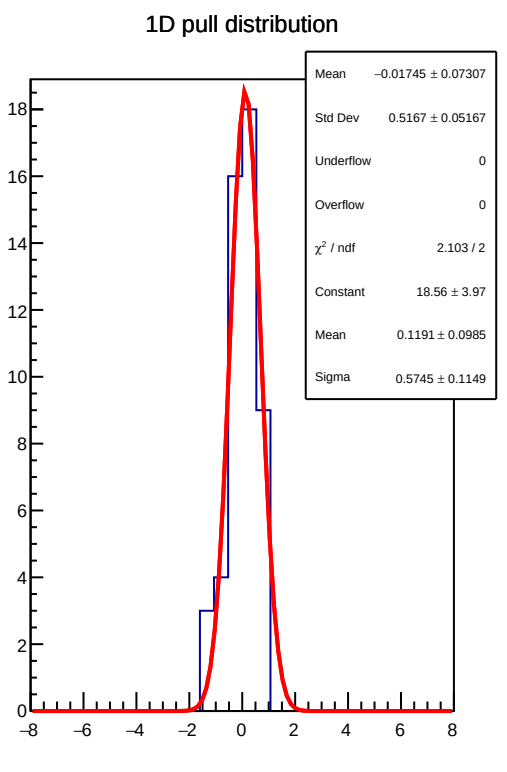

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5

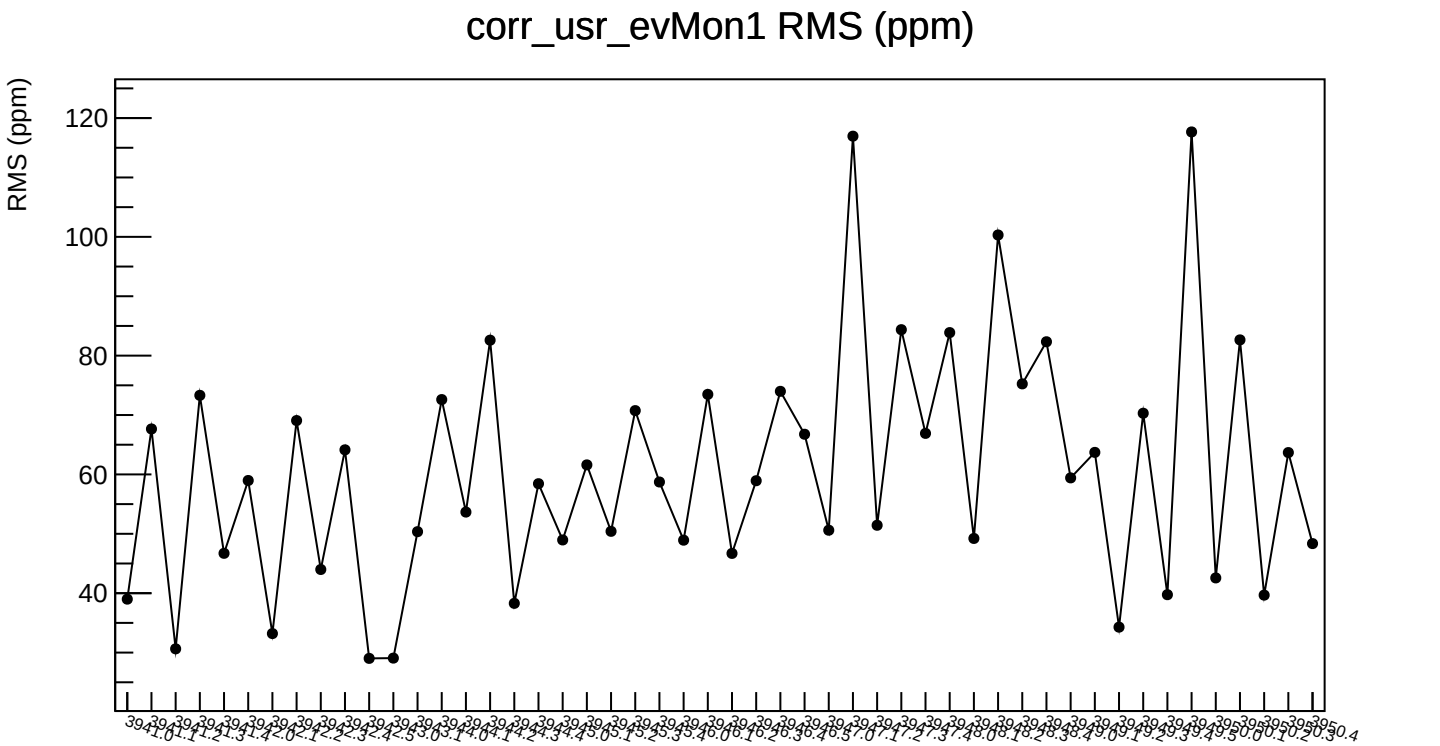

corr_usr_evMon0 (ppb)
χ² / ndf 51.6 / 49
p0 −81.26 ± 608
15000
10000
5000
0
−5000
−10000
−15000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

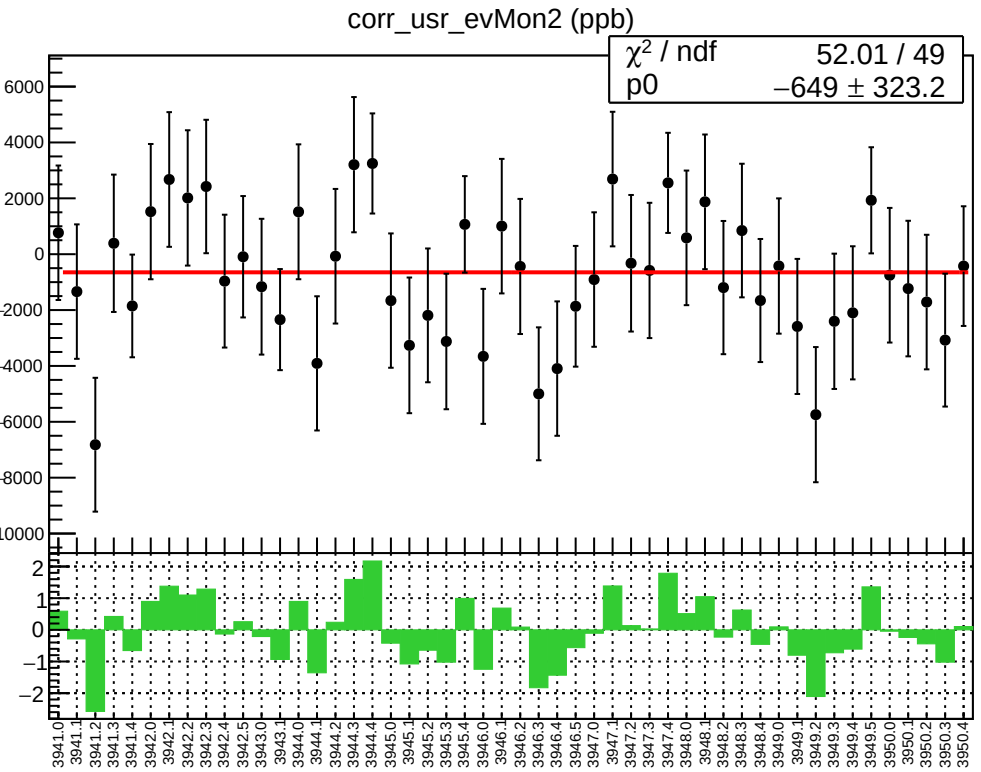

1D pull distribution
Mean 0.00976 ± 0.1437
Std Dev 1.016 ± 0.1016
Underflow 0
Overflow 0
χ² / ndf 1.262 / 6
Constant 9.703 ± 1.855
Mean 0.008747 ± 0.178575
Sigma 1.106 ± 0.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

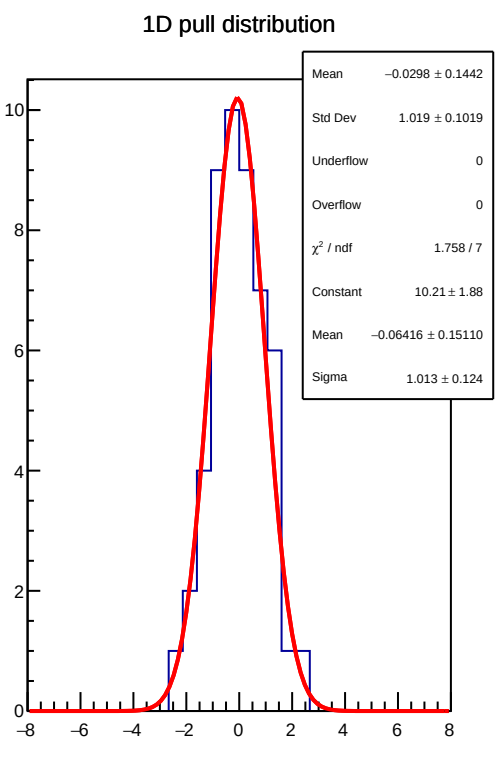

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
520
500
480
460
440
420
400

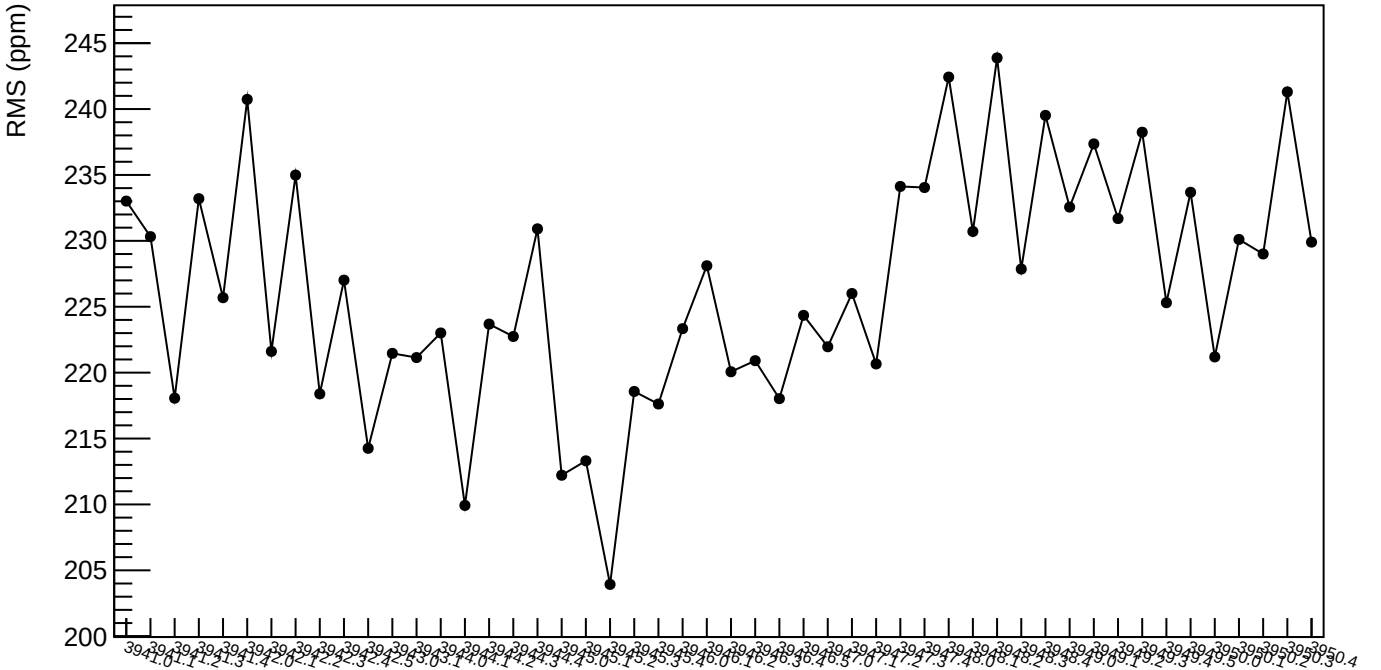

corr_usr_evMon1 (ppb)
χ² / ndf 13.36 / 49
p0 100.8 ± 173.2
2000
1000
0
-1000
-2000
-3000
1
0.5
0
−0.5
−1
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

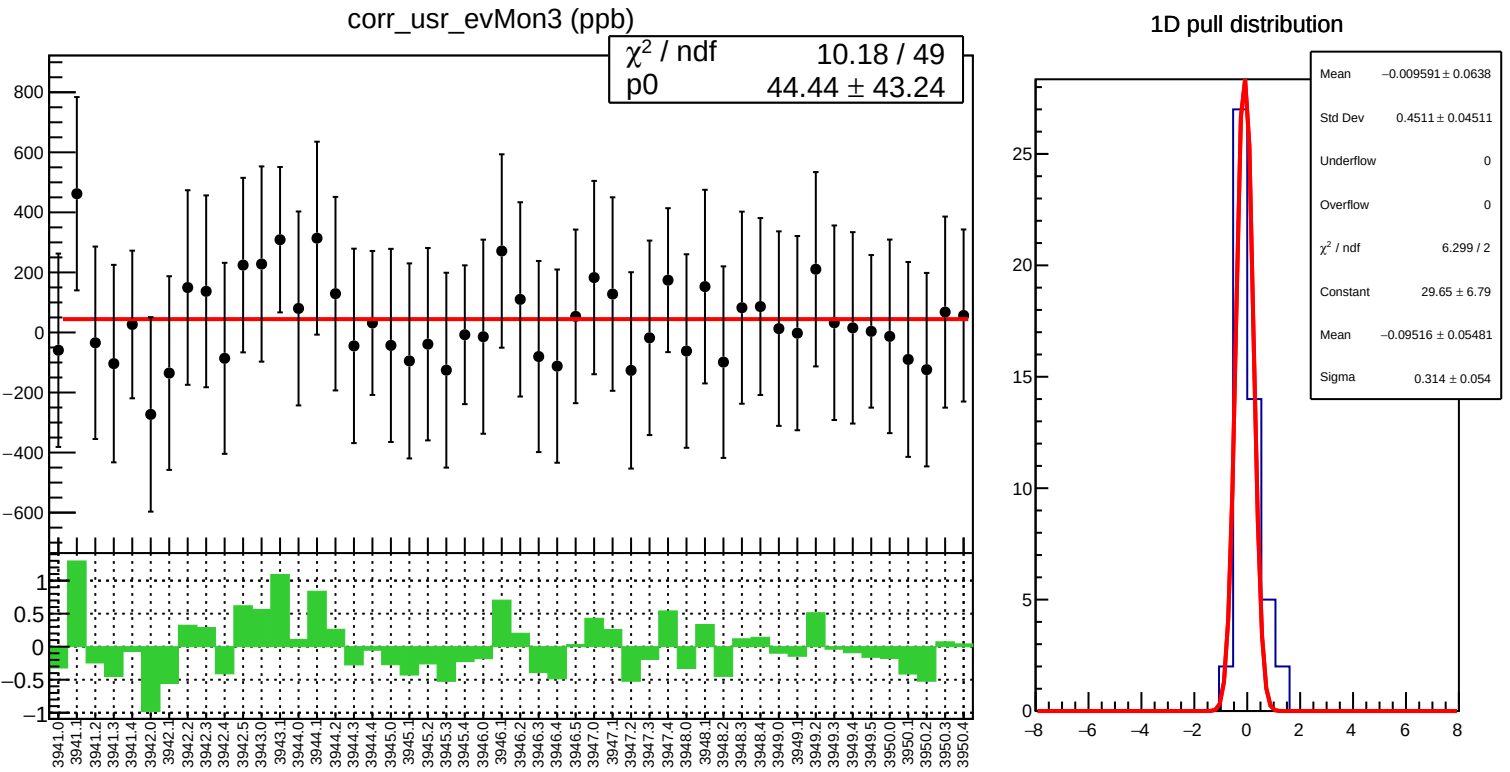

1D pull distribution
Mean −0.01745 ± 0.07307
Std Dev 0.5167 ± 0.05167
Underflow 0
Overflow 0
χ² / ndf 2.103 / 2
Constant 18.56 ± 3.97
Mean 0.1191 ± 0.0985
Sigma 0.5745 ± 0.1149
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

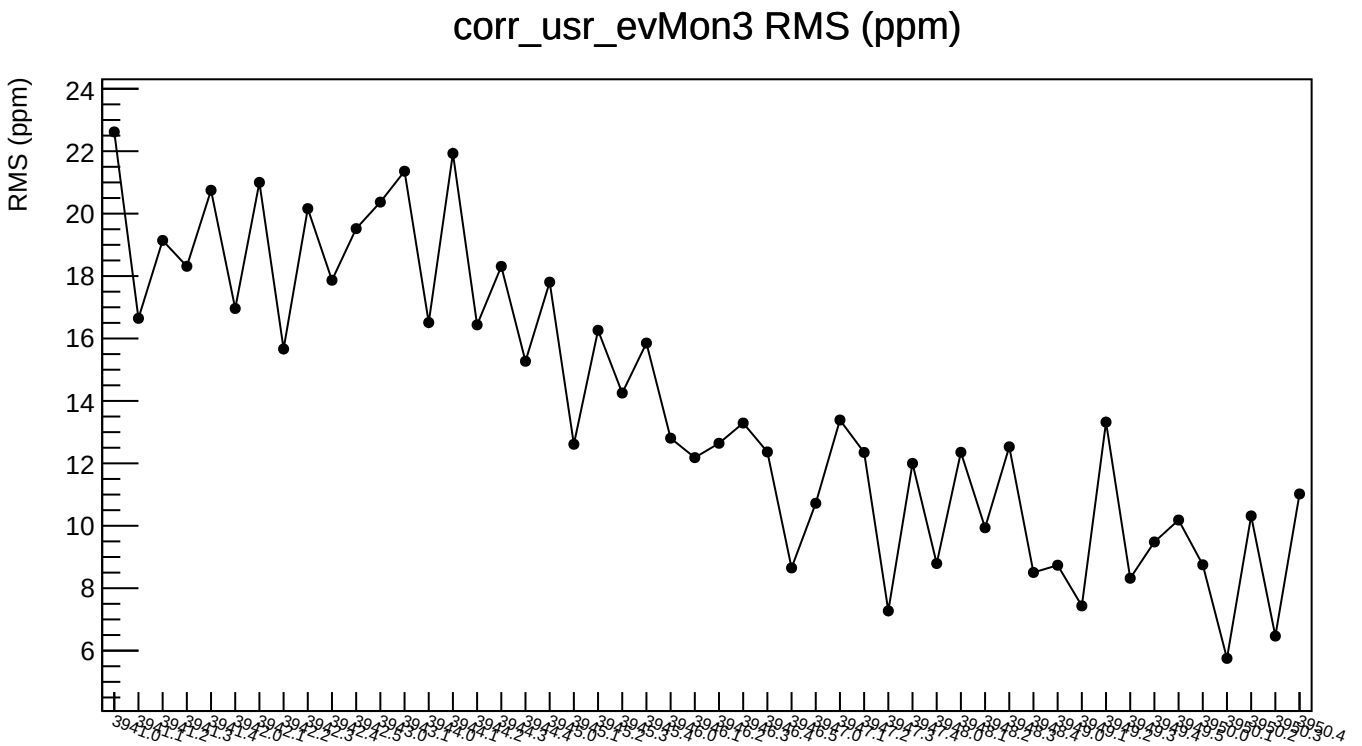

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
120
100
80
60
40

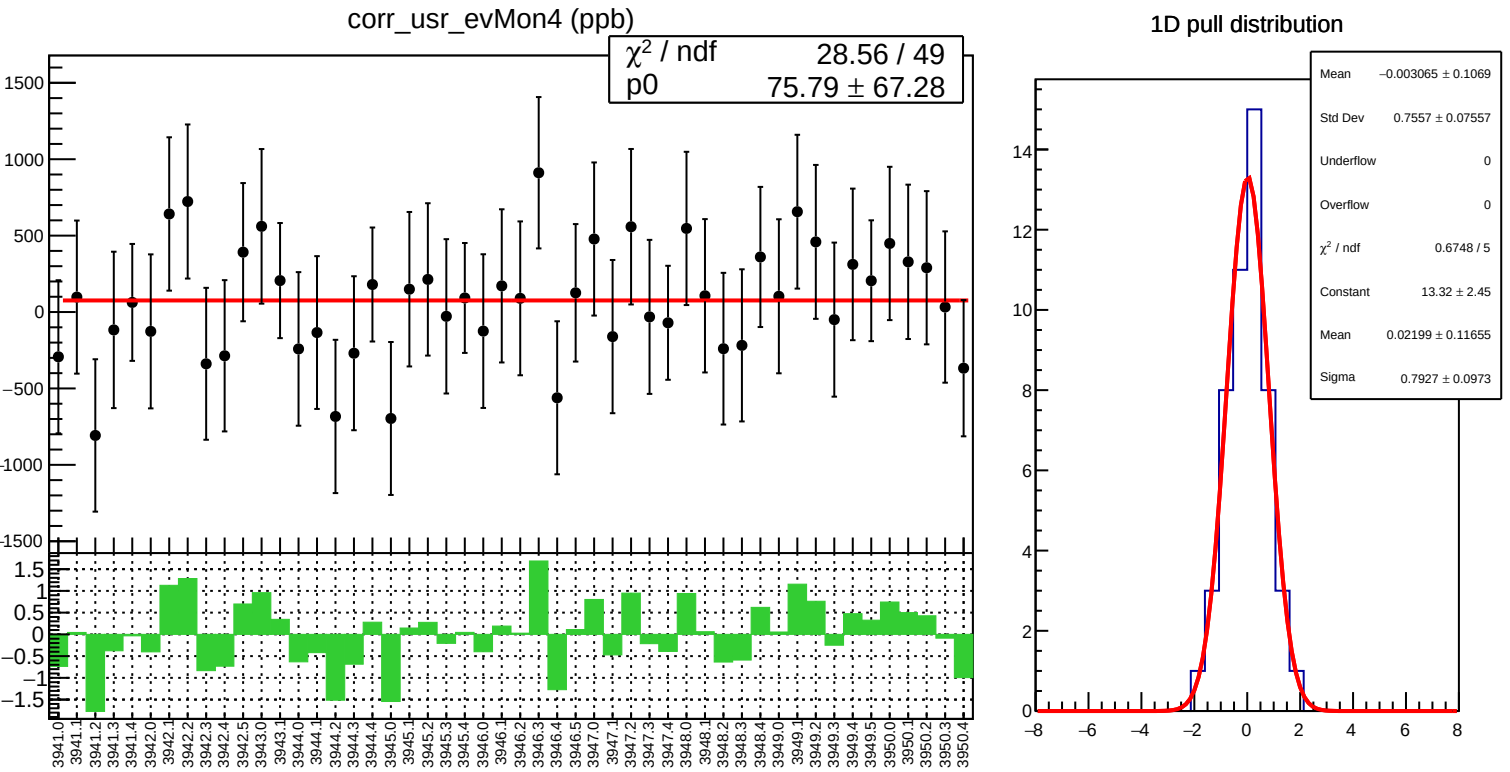

corr_usr_evMon2 (ppb)
χ² / ndf 52.01 / 49
p0 −649 ± 323.2
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
2
1
0
−1
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

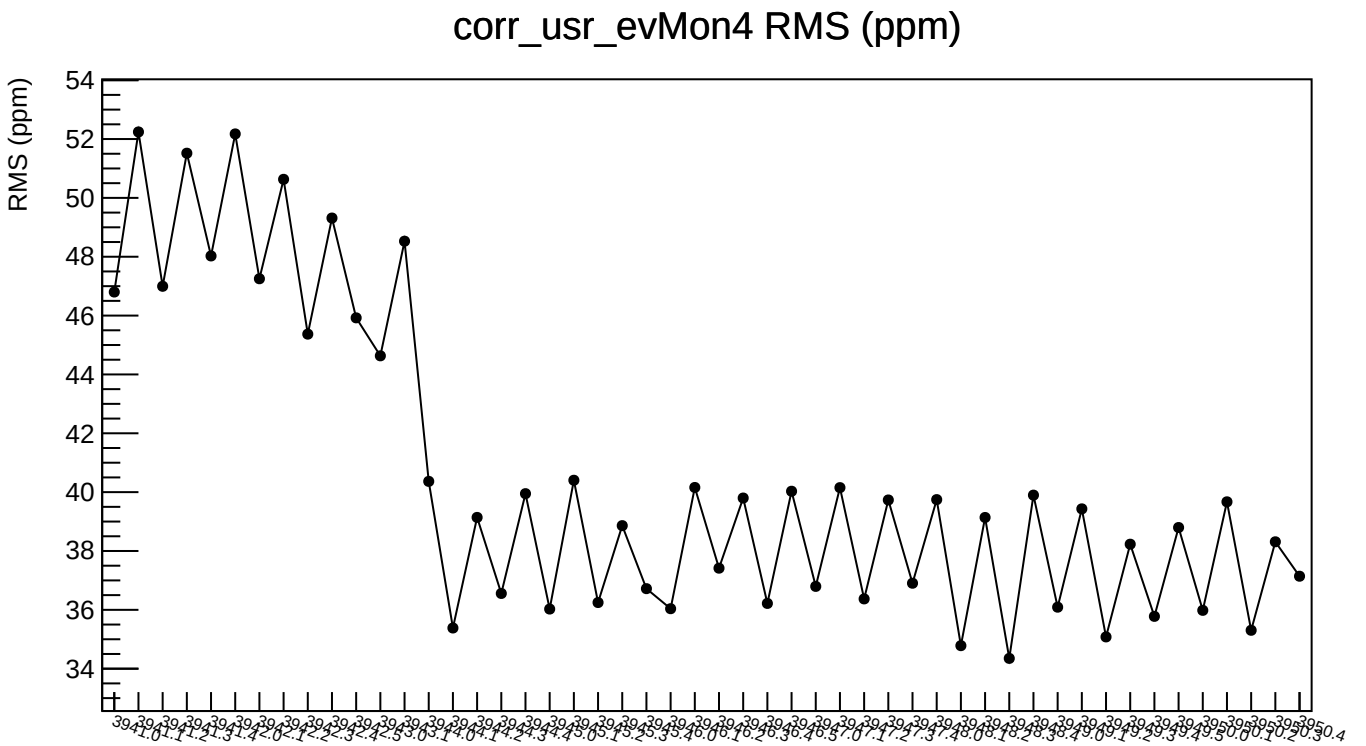

1D pull distribution
Mean −0.0298 ± 0.1442
Std Dev 1.019 ± 0.1019
Underflow 0
Overflow 0
χ² / ndf 1.758 / 7
Constant 10.21 ± 1.88
Mean −0.06416 ± 0.15110
Sigma 1.013 ± 0.124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

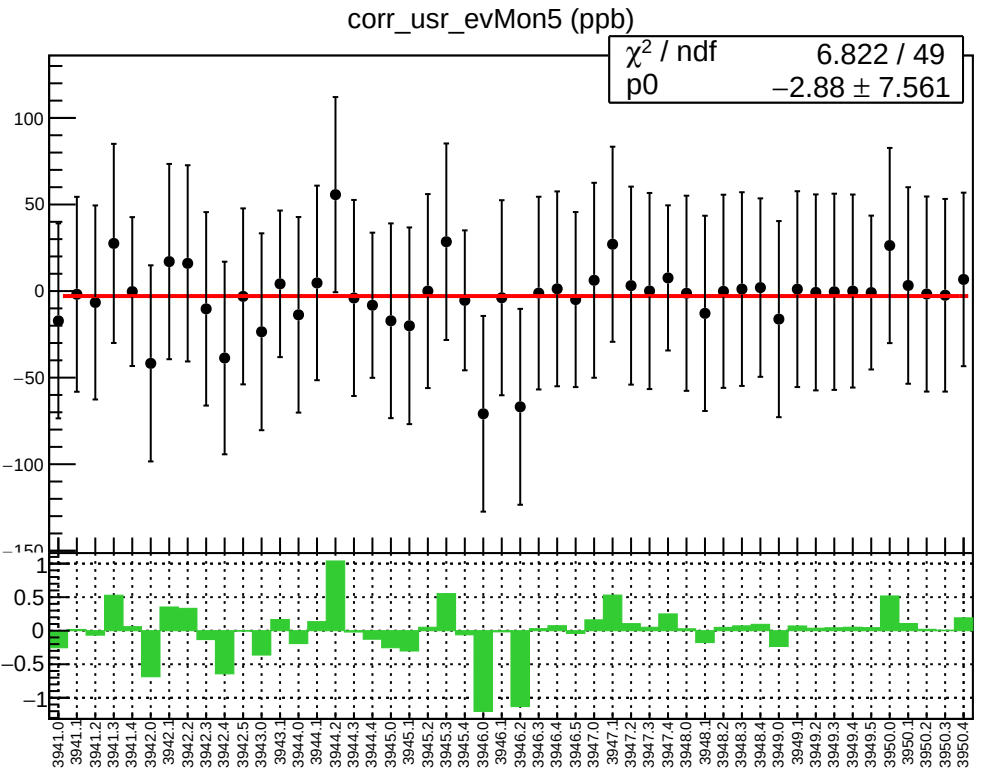

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
245
240
235
230
225
220
215
210
205
200

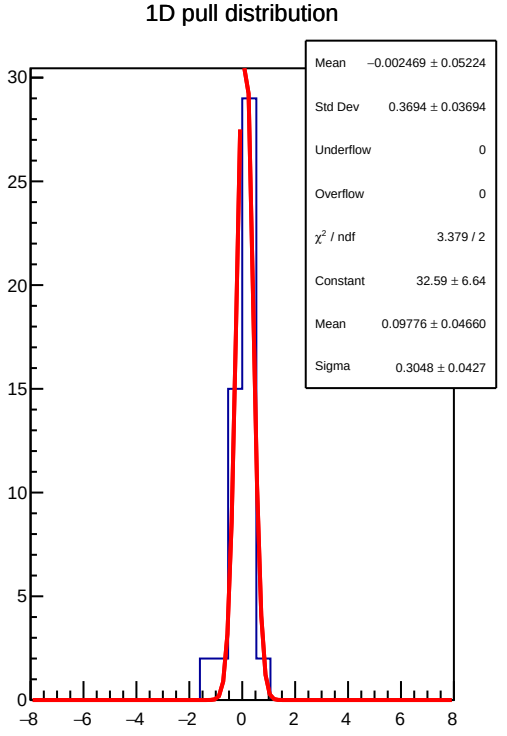

corr_usr_evMon3 (ppb)
χ² / ndf 10.18 / 49
p0 44.44 ± 43.24
1D pull distribution
Mean −0.009591 ± 0.0638
Std Dev 0.4511 ± 0.04511
Underflow 0
Overflow 0
χ² / ndf 6.299 / 2
Constant 29.65 ± 6.79
Mean −0.09516 ± 0.05481
Sigma 0.314 ± 0.054

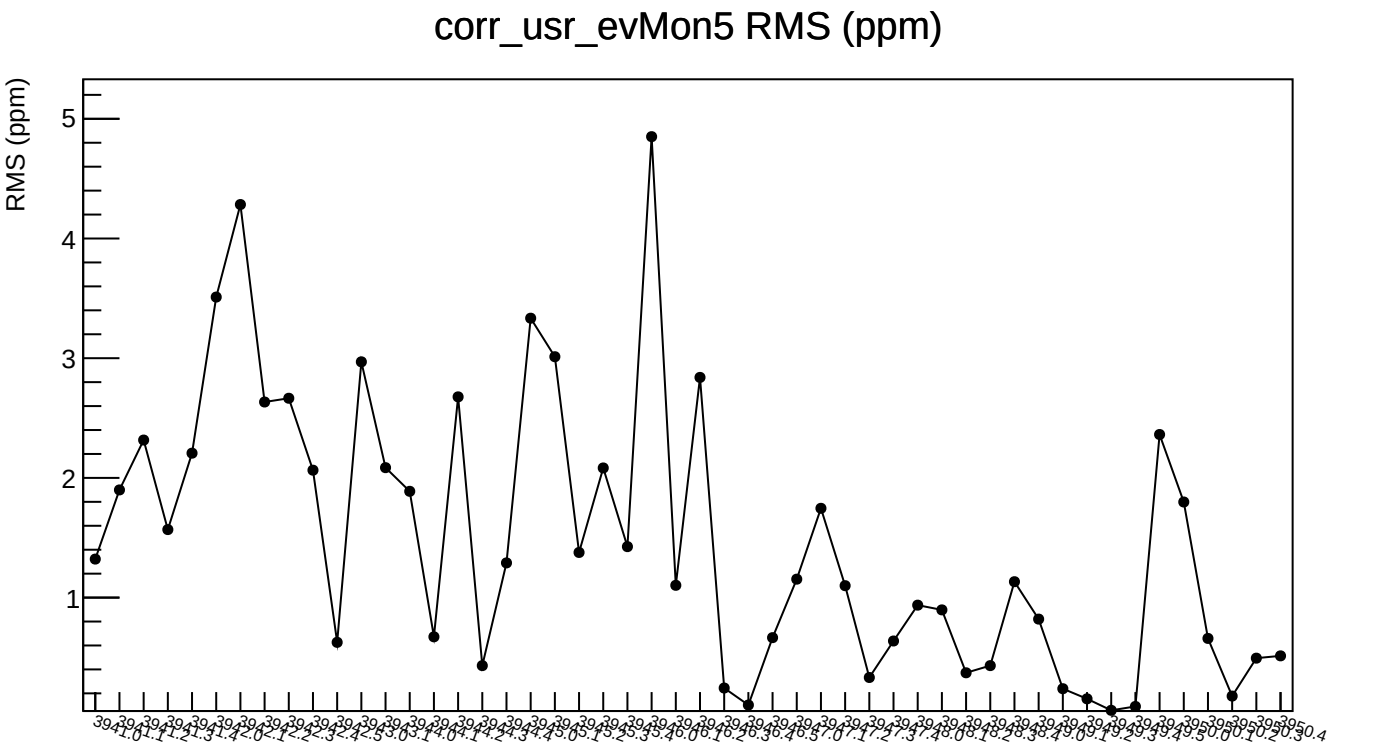

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
24
22
20
18
16
14
12
10
8
6

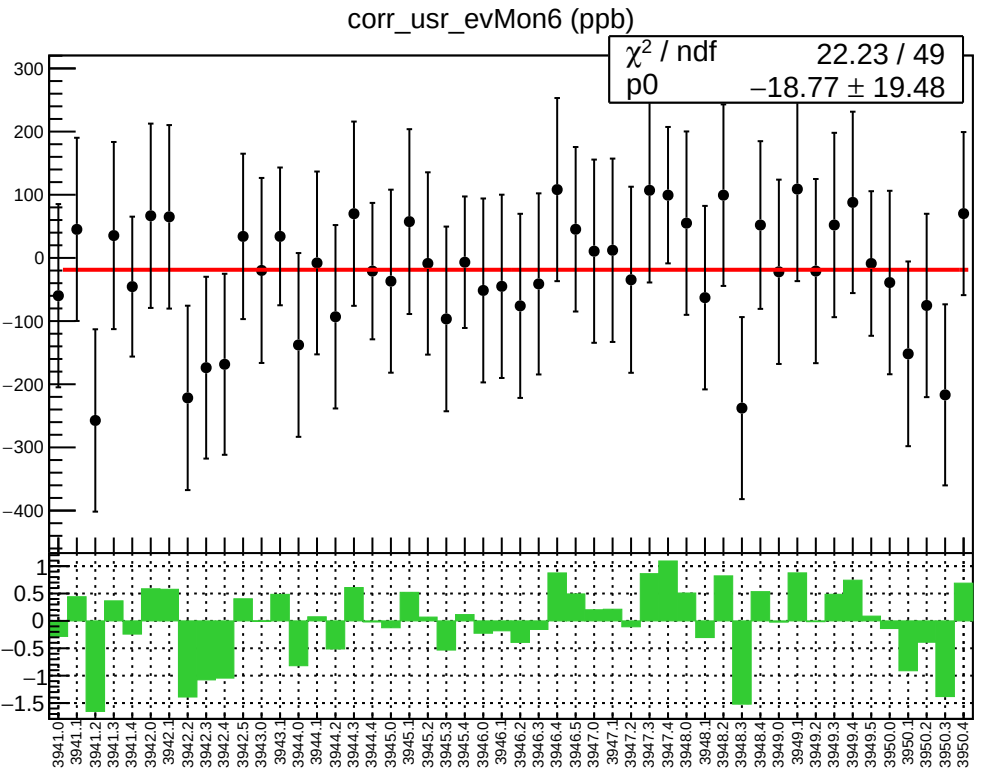

corr_usr_evMon4 (ppb)
χ² / ndf 28.56 / 49
p0 75.79 ± 67.28
1D pull distribution
Mean −0.003065 ± 0.1069
Std Dev 0.7557 ± 0.07557
Underflow 0
Overflow 0
χ² / ndf 0.6748 / 5
Constant 13.32 ± 2.45
Mean 0.02199 ± 0.11655
Sigma 0.7927 ± 0.0973

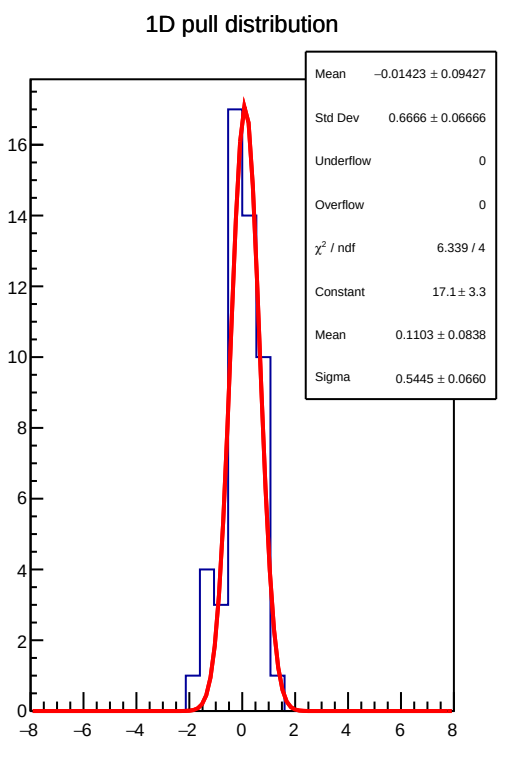

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
54
52
50
48
46
44
42
40
38
36
34

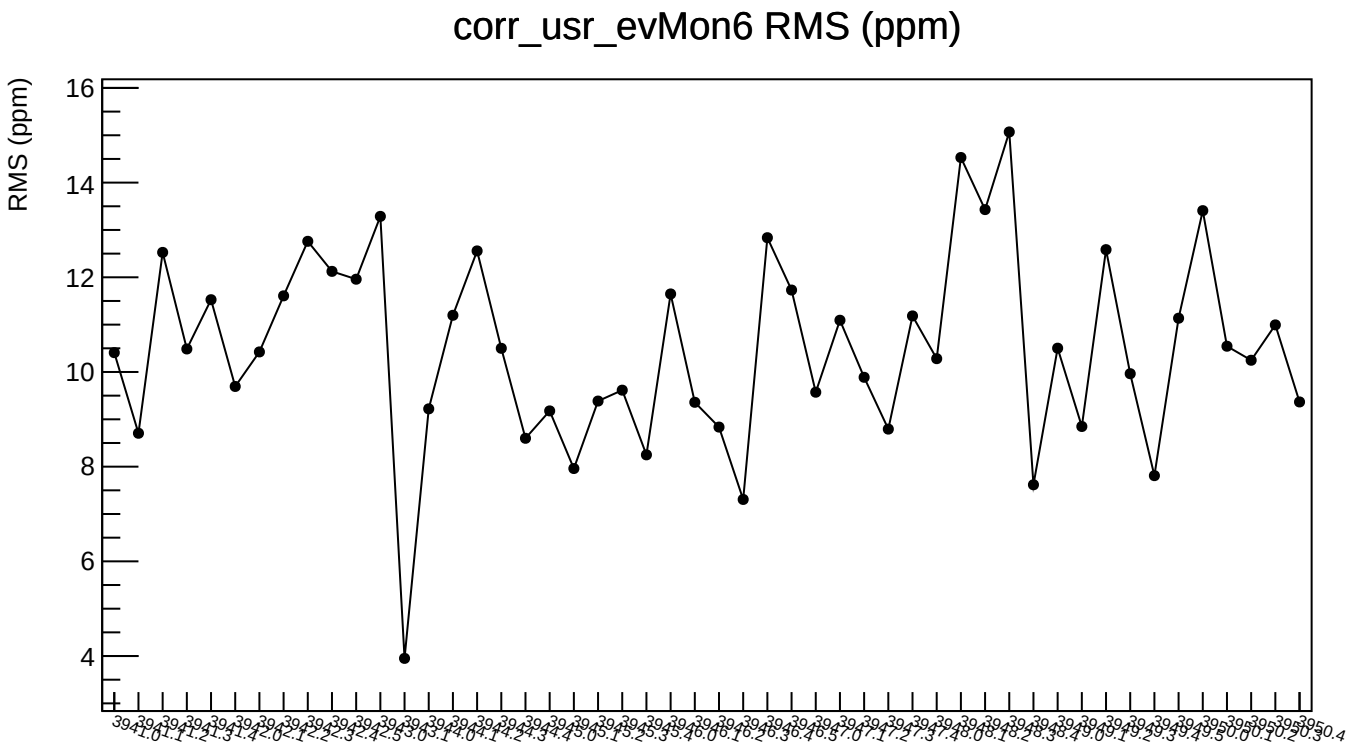

corr_usr_evMon5 (ppb)
χ² / ndf 6.822 / 49
p0 −2.88 ± 7.561
100
50
0
−50
−100
−150
1
0.5
0
−0.5
−1
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

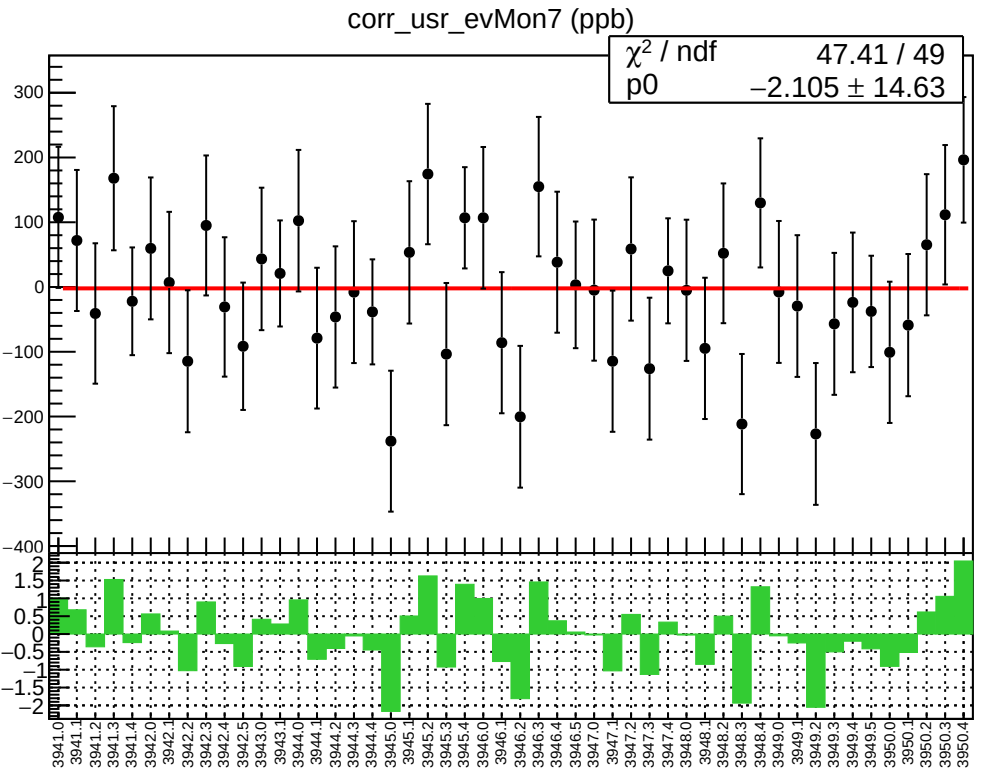

1D pull distribution
Mean −0.002469 ± 0.05224
Std Dev 0.3694 ± 0.03694
Underflow 0
Overflow 0
χ² / ndf 3.379 / 2
Constant 32.59 ± 6.64
Mean 0.09776 ± 0.04660
Sigma 0.3048 ± 0.0427
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

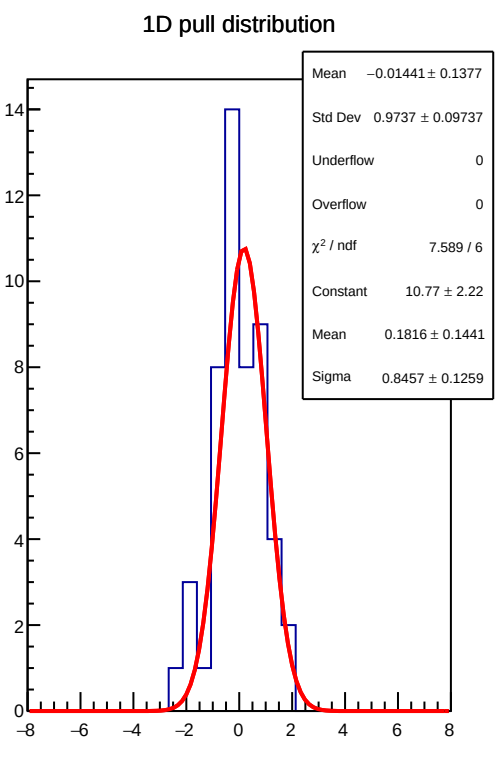

corr_usr_evMon5 RMS (ppm)
RMS (ppm)
1
2
3
4
5

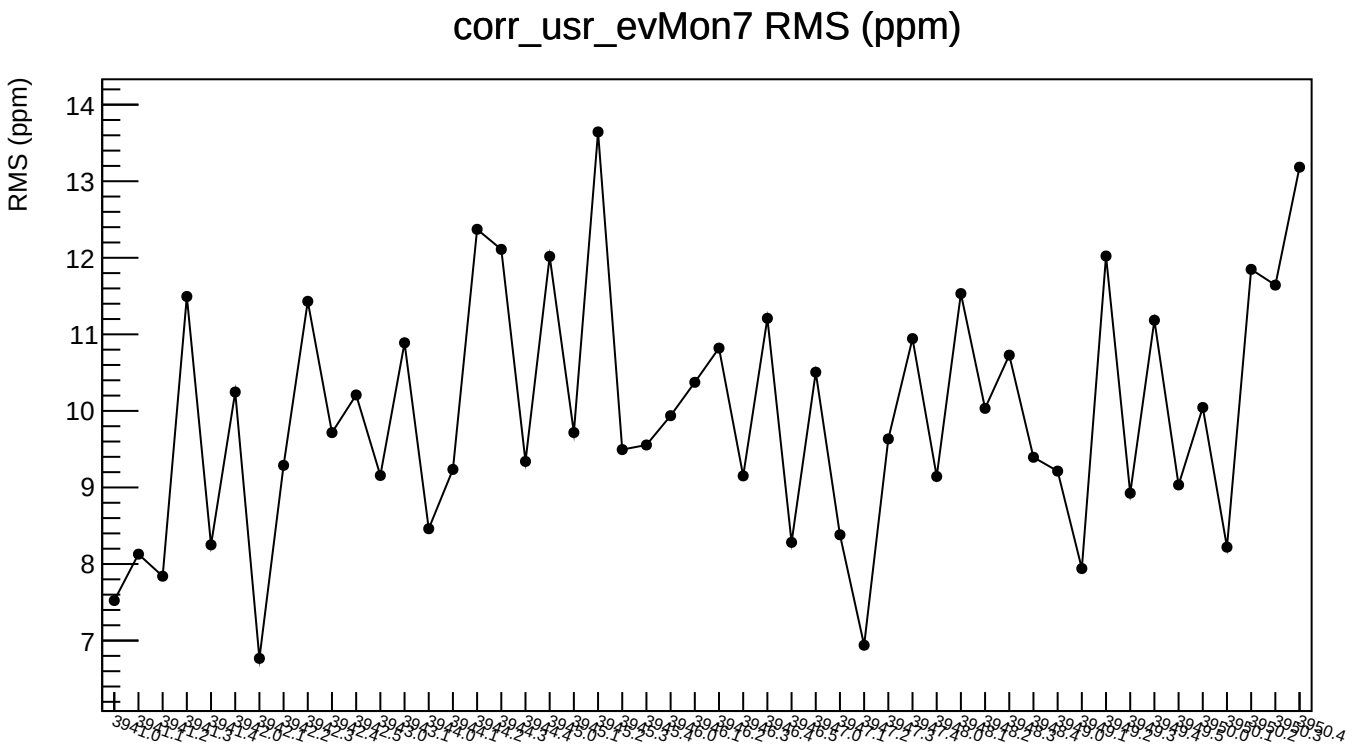

corr_usr_evMon6 (ppb)
χ² / ndf 22.23 / 49
p0 −18.77 ± 19.48
300
200
100
0
−100
−200
−300
−400
1
0.5
0
−0.5
−1
−1.5
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

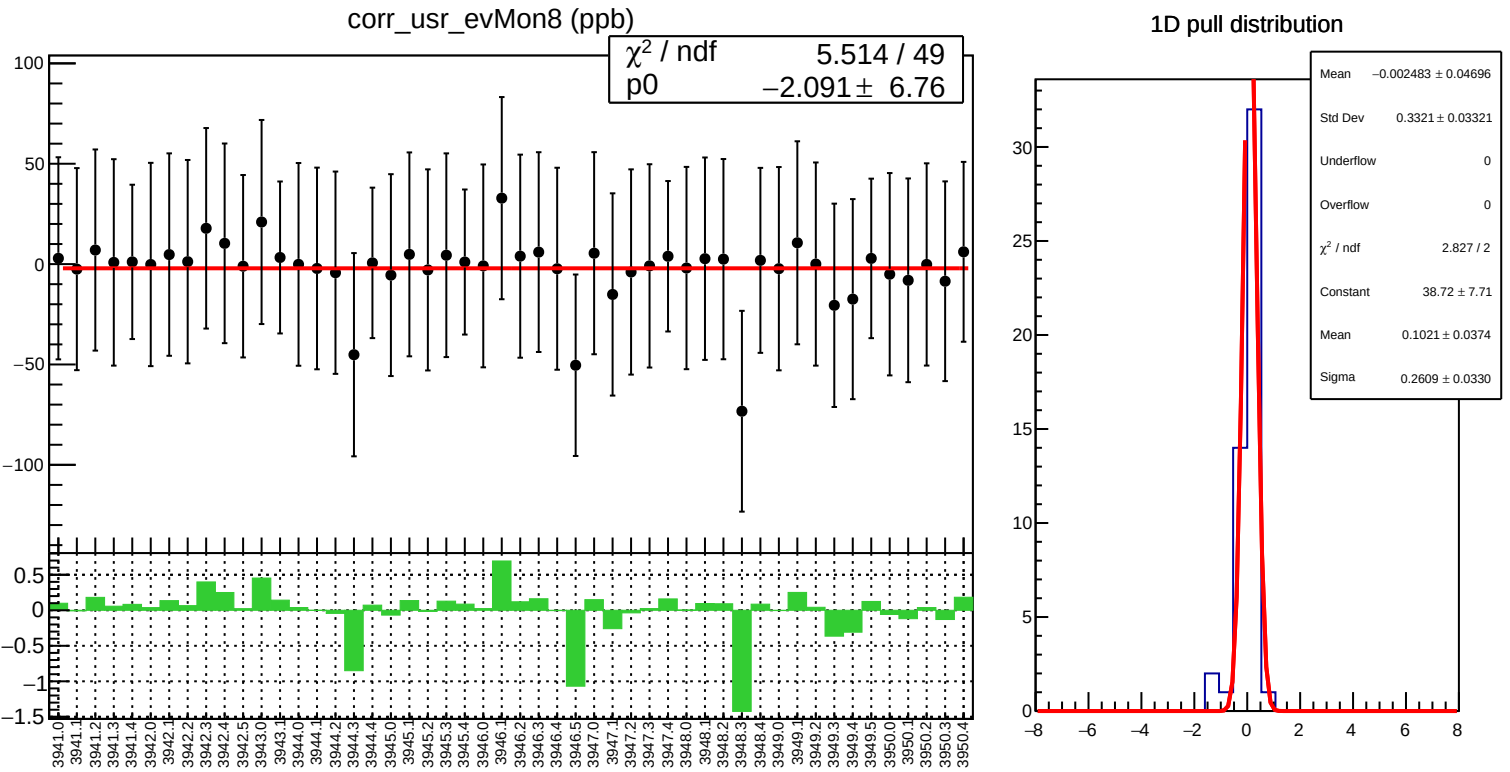

1D pull distribution
Mean −0.01423 ± 0.09427
Std Dev 0.6666 ± 0.06666
Underflow 0
Overflow 0
χ² / ndf 6.339 / 4
Constant 17.1 ± 3.3
Mean 0.1103 ± 0.0838
Sigma 0.5445 ± 0.0660
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

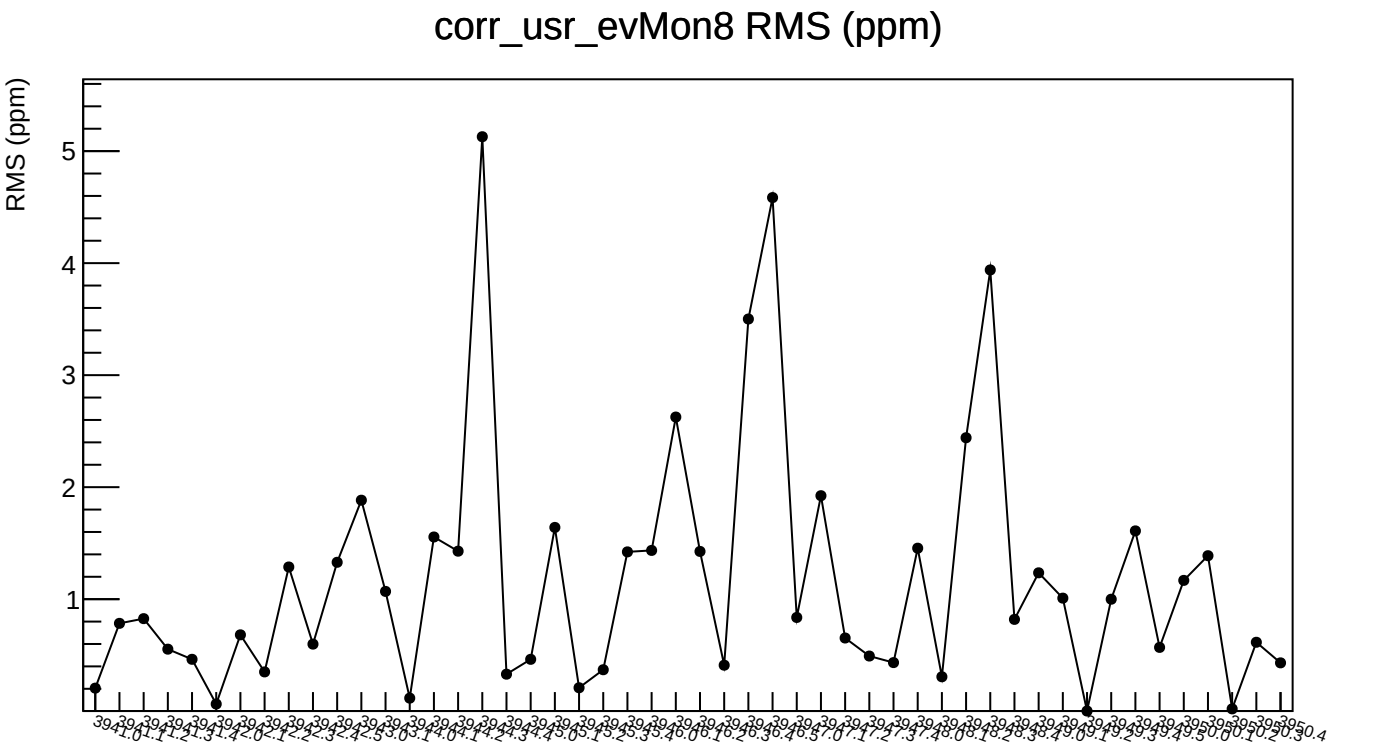

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
4

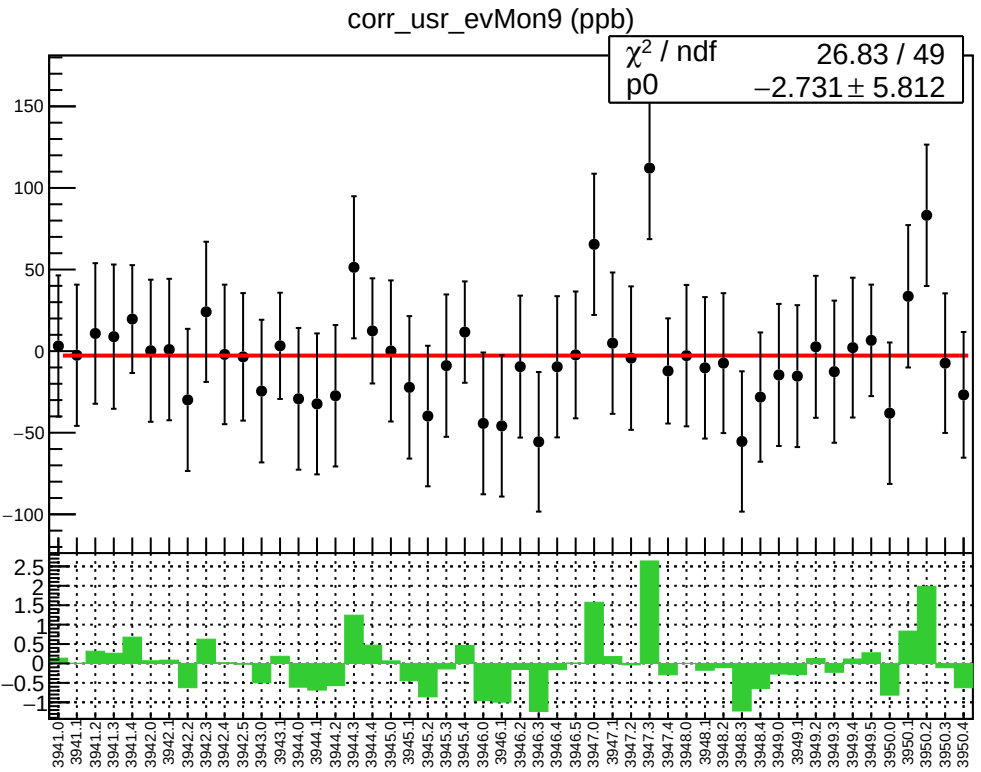

corr_usr_evMon7 (ppb)
χ² / ndf 47.41 / 49
p0 −2.105 ± 14.63
300
200
100
0
−100
−200
−300
−400
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

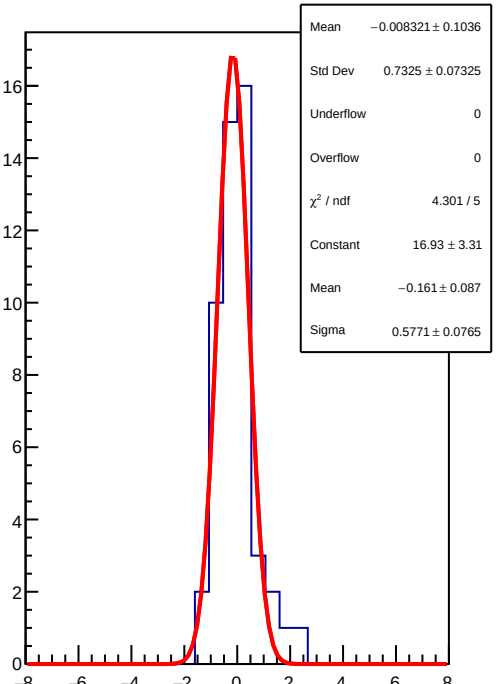

1D pull distribution
Mean −0.01441 ± 0.1377
Std Dev 0.9737 ± 0.09737
Underflow 0
Overflow 0
χ² / ndf 7.589 / 6
Constant 10.77 ± 2.22
Mean 0.1816 ± 0.1441
Sigma 0.8457 ± 0.1259
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

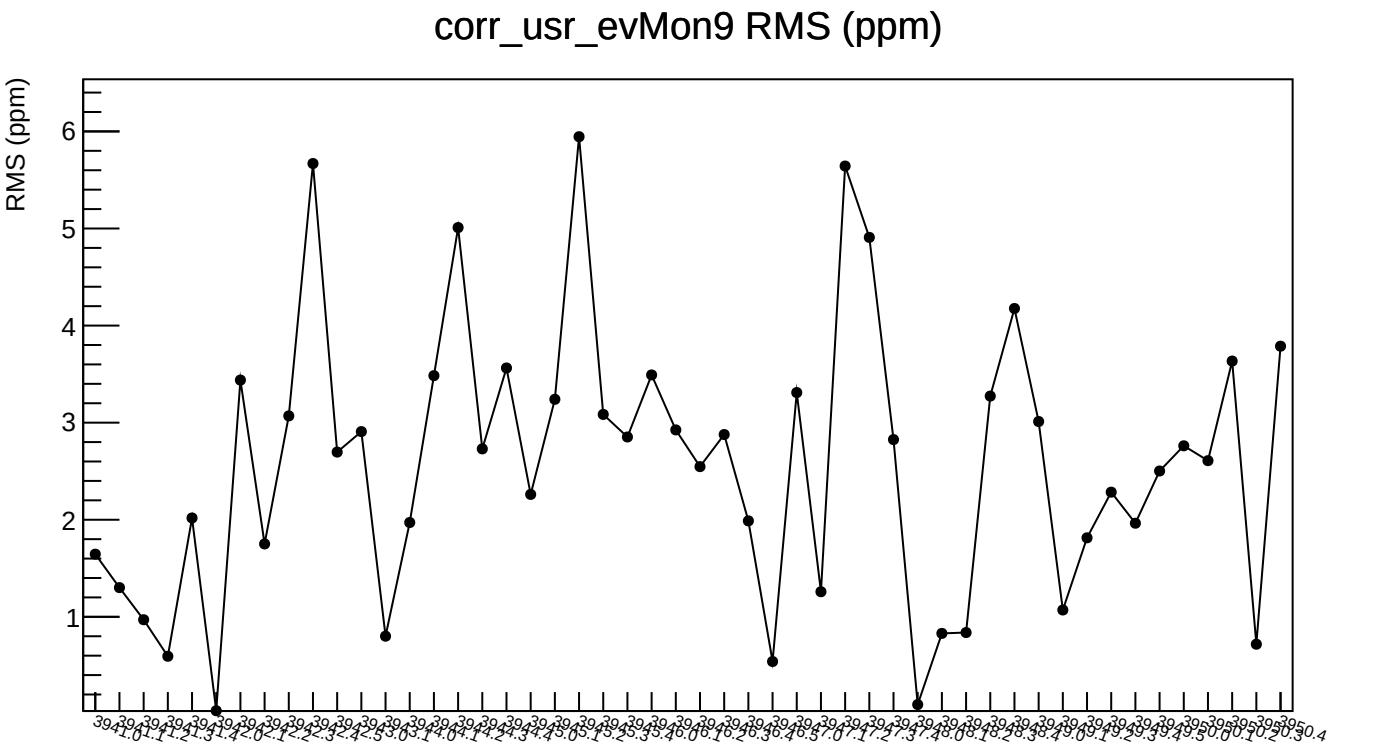

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
14
13
12
11
10
9
8
7

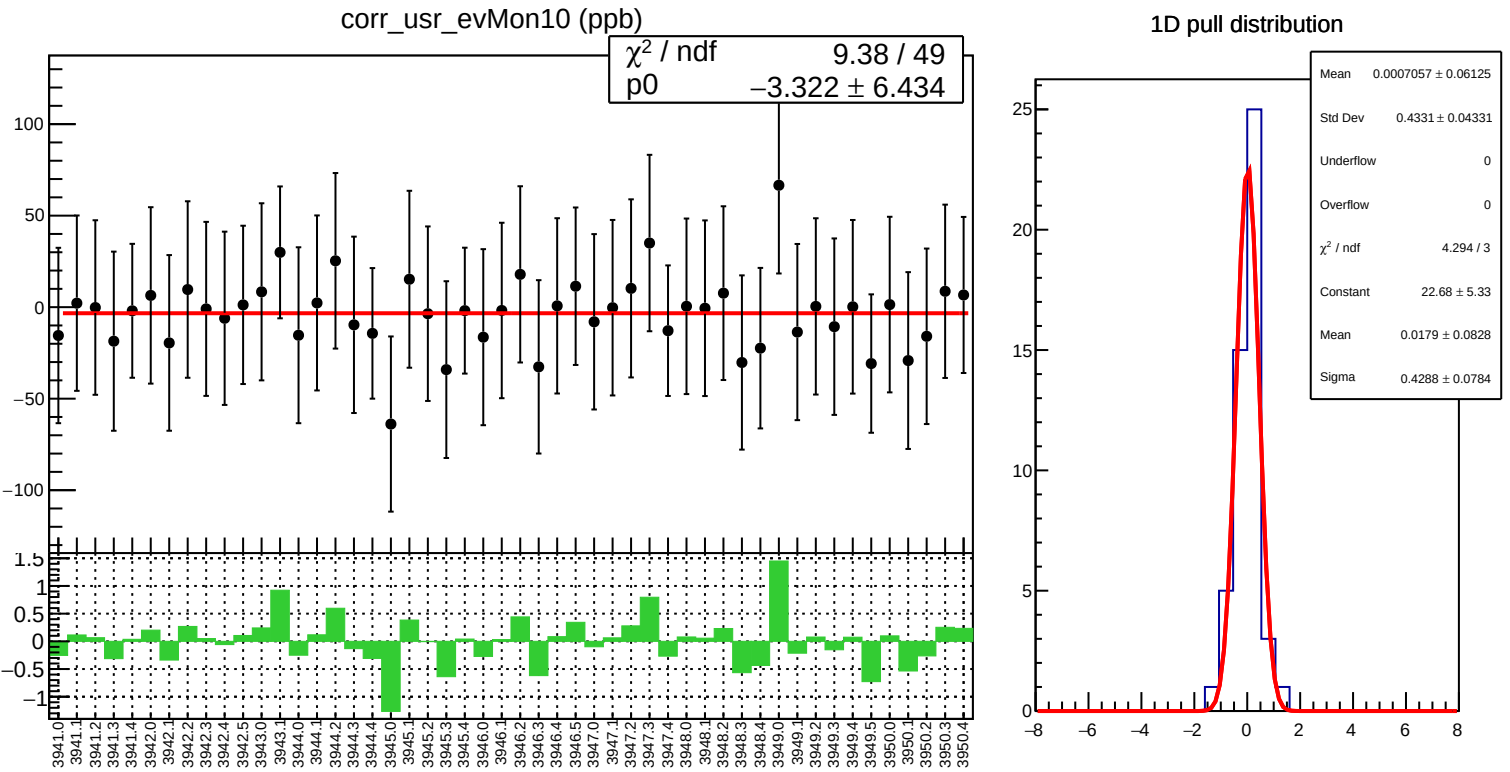

corr_usr_evMon8 (ppb)
χ² / ndf 5.514 / 49
p0 −2.091 ± 6.76
1D pull distribution
Mean −0.002483 ± 0.04696
Std Dev 0.3321 ± 0.03321
Underflow 0
Overflow 0
χ² / ndf 2.827 / 2
Constant 38.72 ± 7.71
Mean 0.1021 ± 0.0374
Sigma 0.2609 ± 0.0330

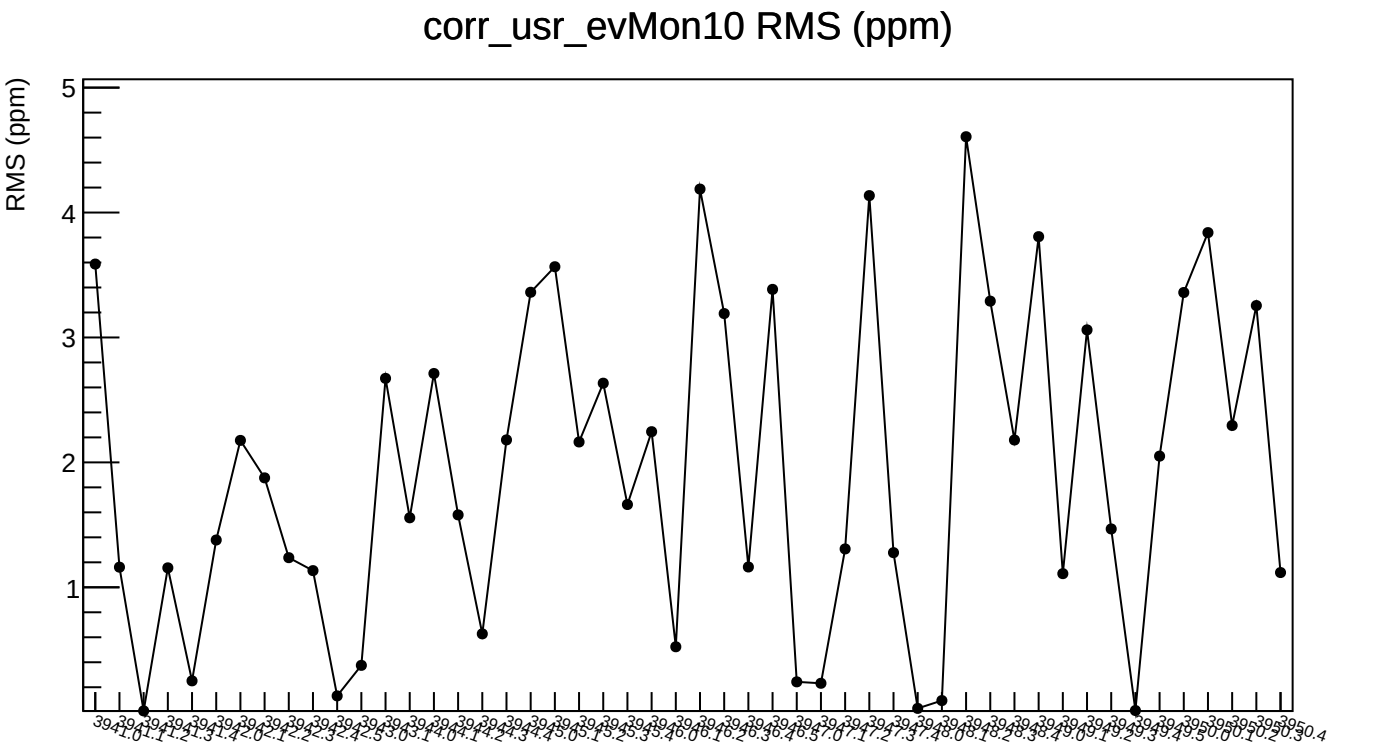

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5

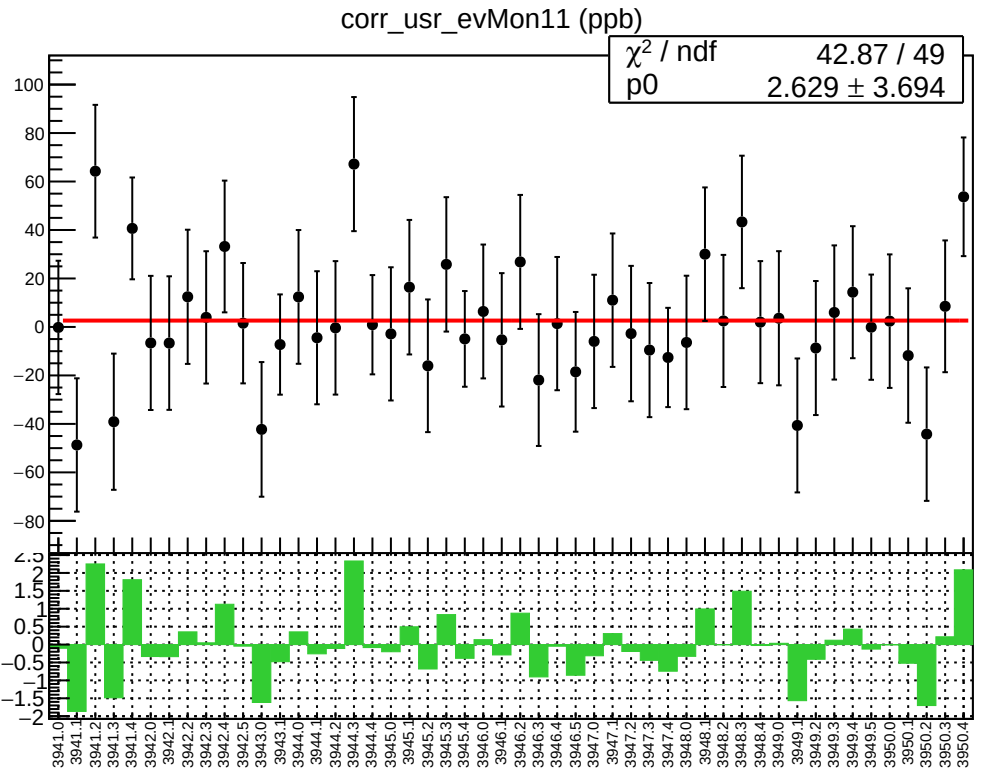

corr_usr_evMon9 (ppb)
χ² / ndf 26.83 / 49
p0 −2.731 ± 5.812
150
100
50
0
−50
−100
2.5
2
1.5
1
0.5
0
−0.5
−1
3941.0
3941.1
3941.2
3941.3
3941.4
3942.0
3942.1
3942.2
3942.3
3942.4
3942.5
3943.0
3943.1
3944.0
3944.1
3944.2
3944.3
3944.4
3945.0
3945.1
3945.2
3945.3
3945.4
3946.0
3946.1
3946.2
3946.3
3946.4
3946.5
3947.0
3947.1
3947.2
3947.3
3947.4
3948.0
3948.1
3948.2
3948.3
3948.4
3949.0
3949.1
3949.2
3949.3
3949.4
3949.5
3950.0
3950.1
3950.2
3950.3
3950.4

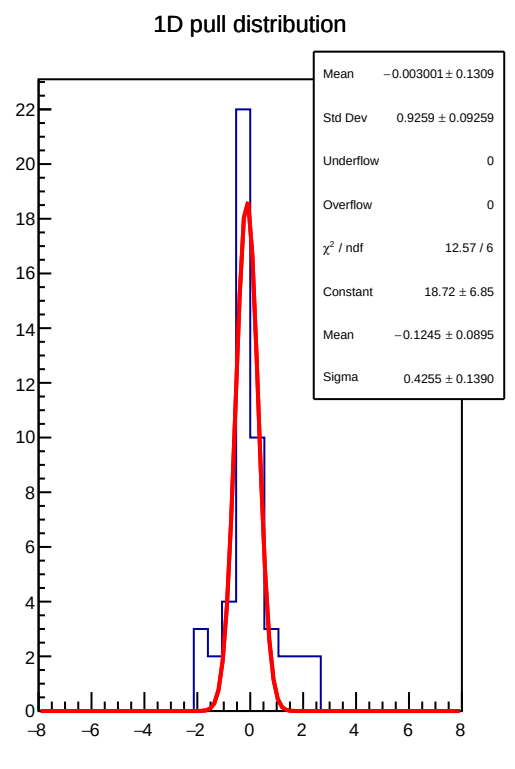

1D pull distribution
Mean −0.008321 ± 0.1036
Std Dev 0.7325 ± 0.07325
Underflow 0
Overflow 0
χ² / ndf 4.301 / 5
Constant 16.93 ± 3.31
Mean −0.161 ± 0.087
Sigma 0.5771 ± 0.0765
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

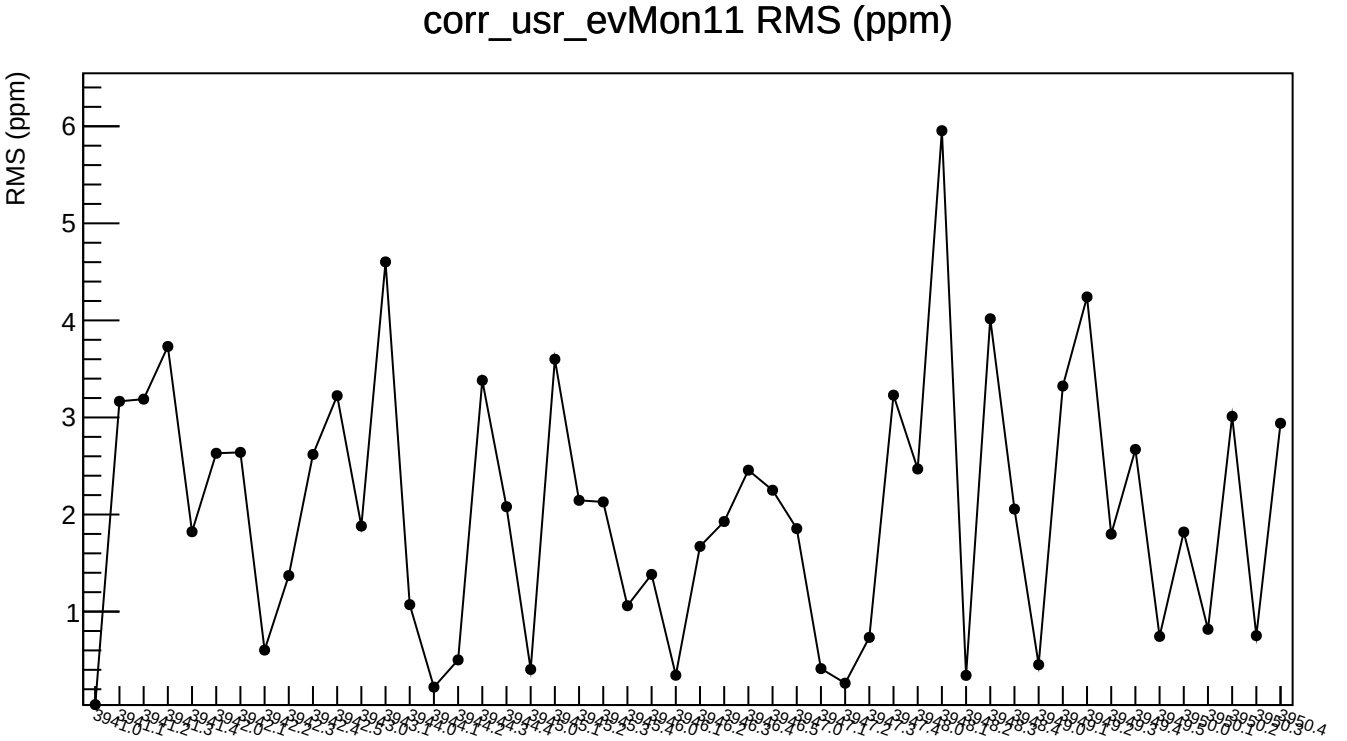

corr_usr_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6


corr_usr_evMon10 (ppb)
χ² / ndf 9.38 / 49
p0 −3.322 ± 6.434
1D pull distribution
Mean 0.0007057 ± 0.06125
Std Dev 0.4331 ± 0.04331
Underflow 0
Overflow 0
χ² / ndf 4.294 / 3
Constant 22.68 ± 5.33
Mean 0.0179 ± 0.0828
Sigma 0.4288 ± 0.0784


corr_usr_evMon10 RMS (ppm)
RMS (ppm)
5
4
3
2
1


corr_usr_evMon11 (ppb)
χ² / ndf 42.87 / 49
p0 2.629 ± 3.694


1D pull distribution
Mean −0.003001 ± 0.1309
Std Dev 0.9259 ± 0.09259
Underflow 0
Overflow 0
χ² / ndf 12.57 / 6
Constant 18.72 ± 6.85
Mean −0.1245 ± 0.0895
Sigma 0.4255 ± 0.1390


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6