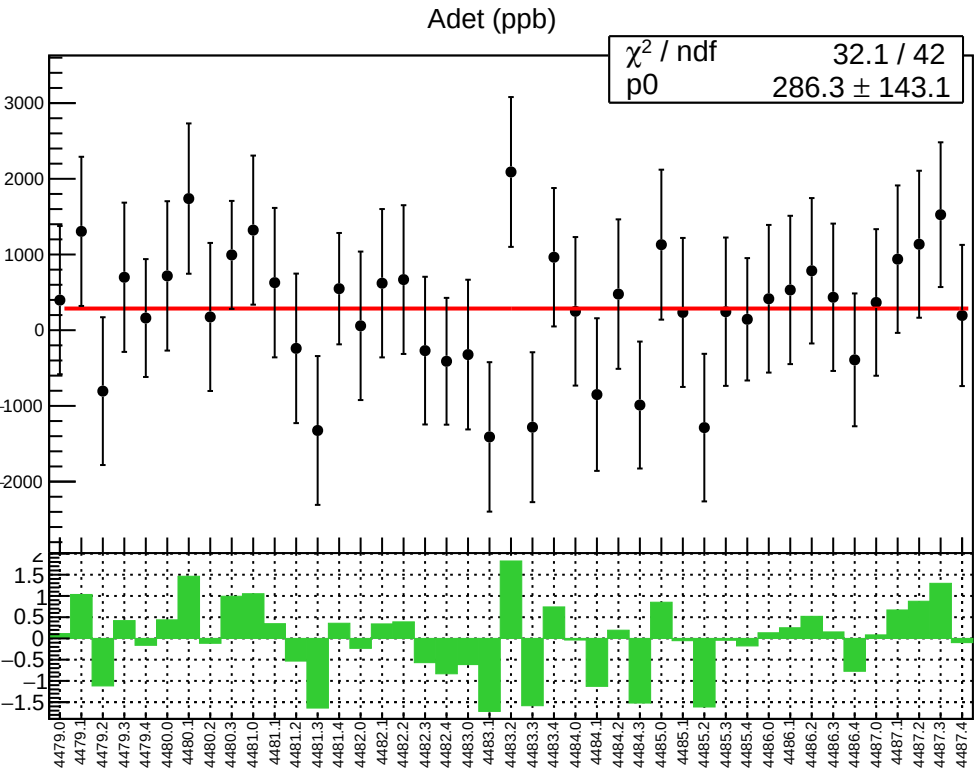
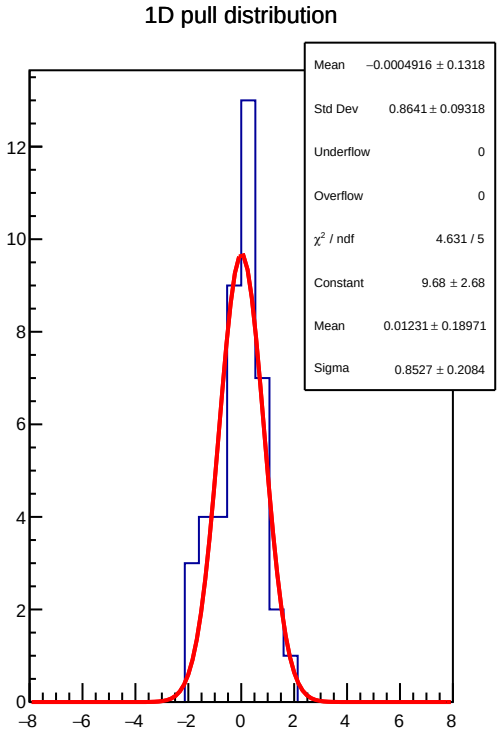
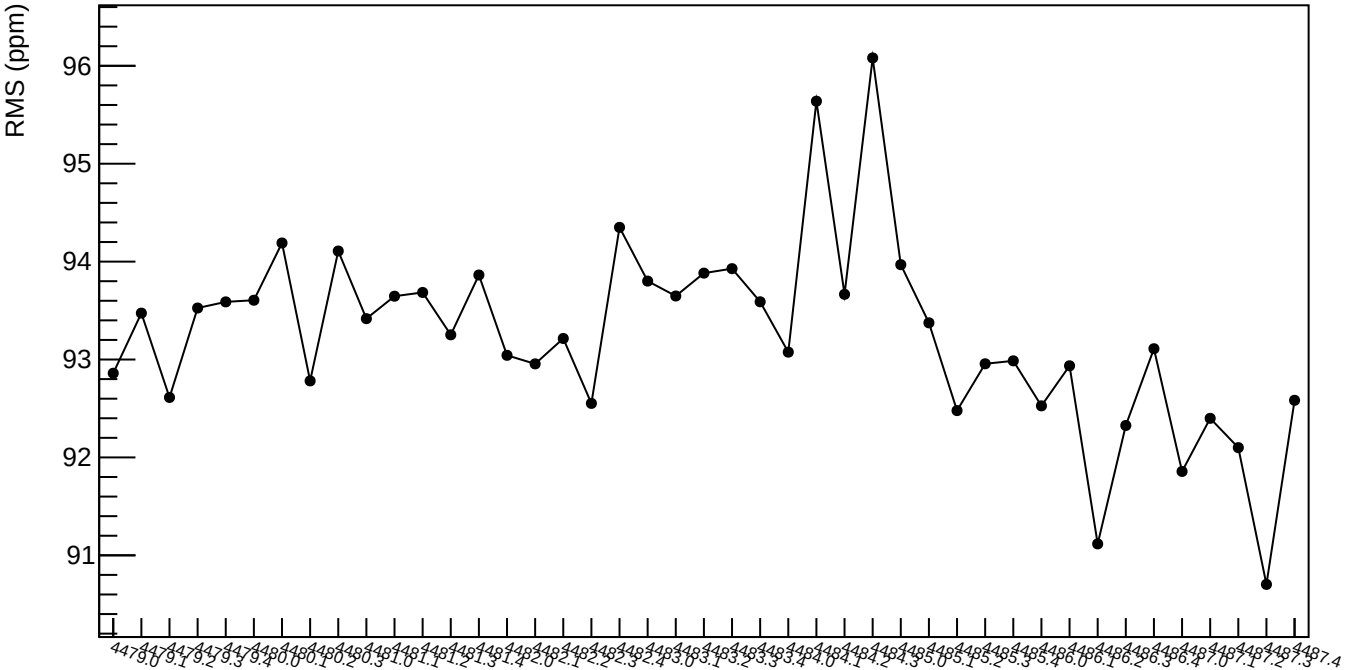
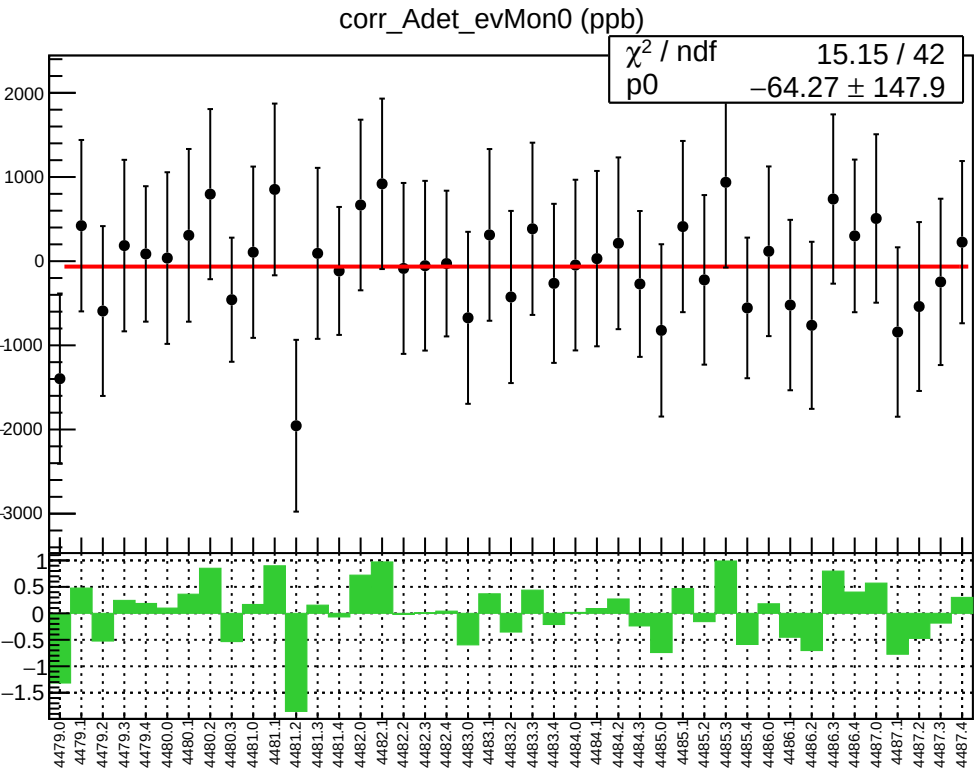
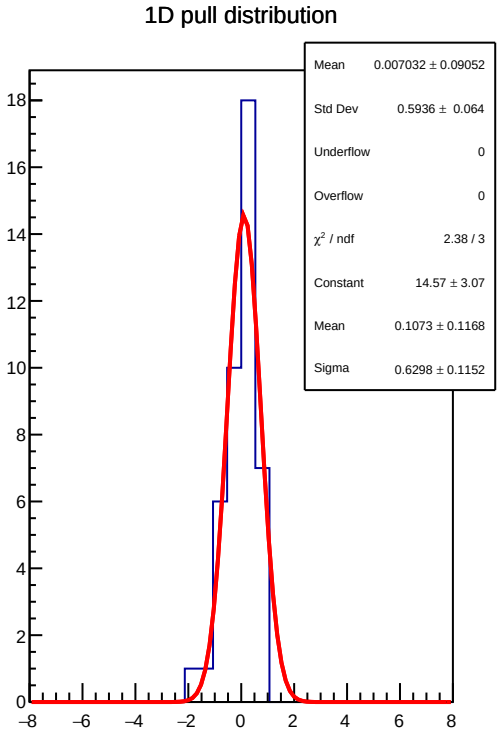

Adet (ppb)
χ² / ndf 32.1 / 42
p0 286.3 ± 143.1
3000
2000
1000
0
-1000
-2000
1.5
1
0.5
0
−0.5
−1
−1.5
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4


1D pull distribution
Mean −0.0004916 ± 0.1318
Std Dev 0.8641 ± 0.09318
Underflow 0
Overflow 0
χ² / ndf 4.631 / 5
Constant 9.68 ± 2.68
Mean 0.01231 ± 0.18971
Sigma 0.8527 ± 0.2084
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

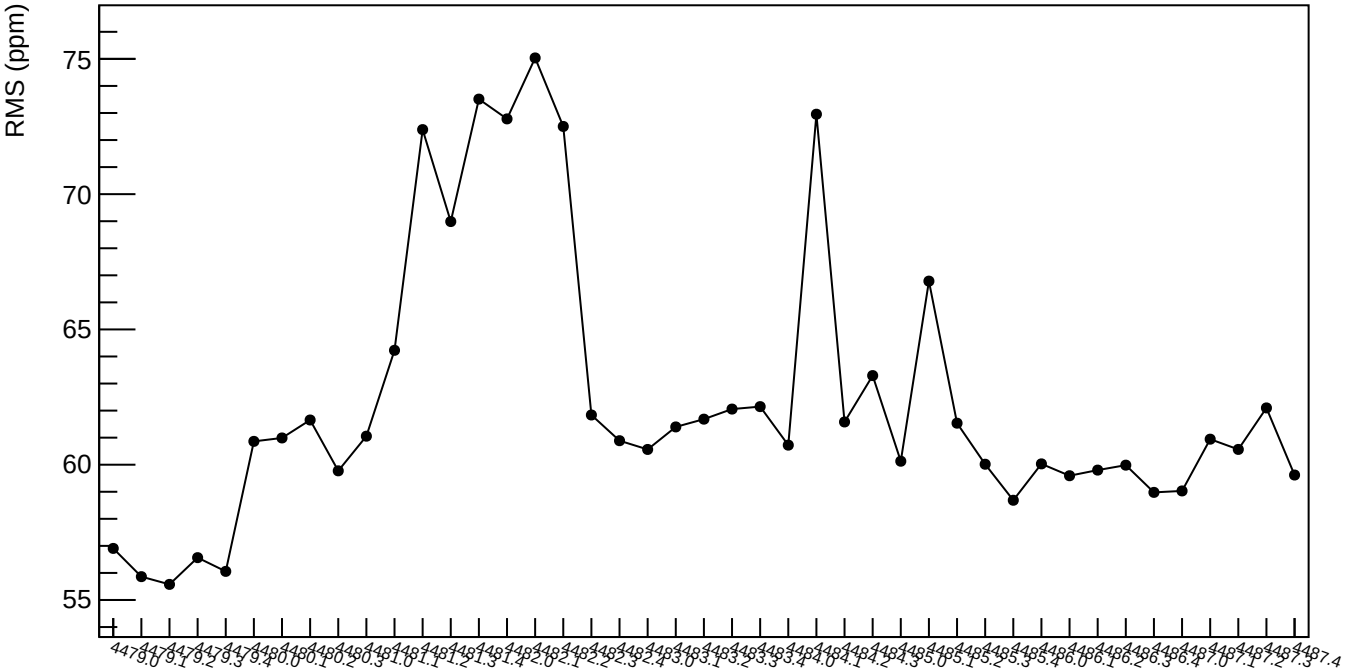
Adet RMS (ppm)

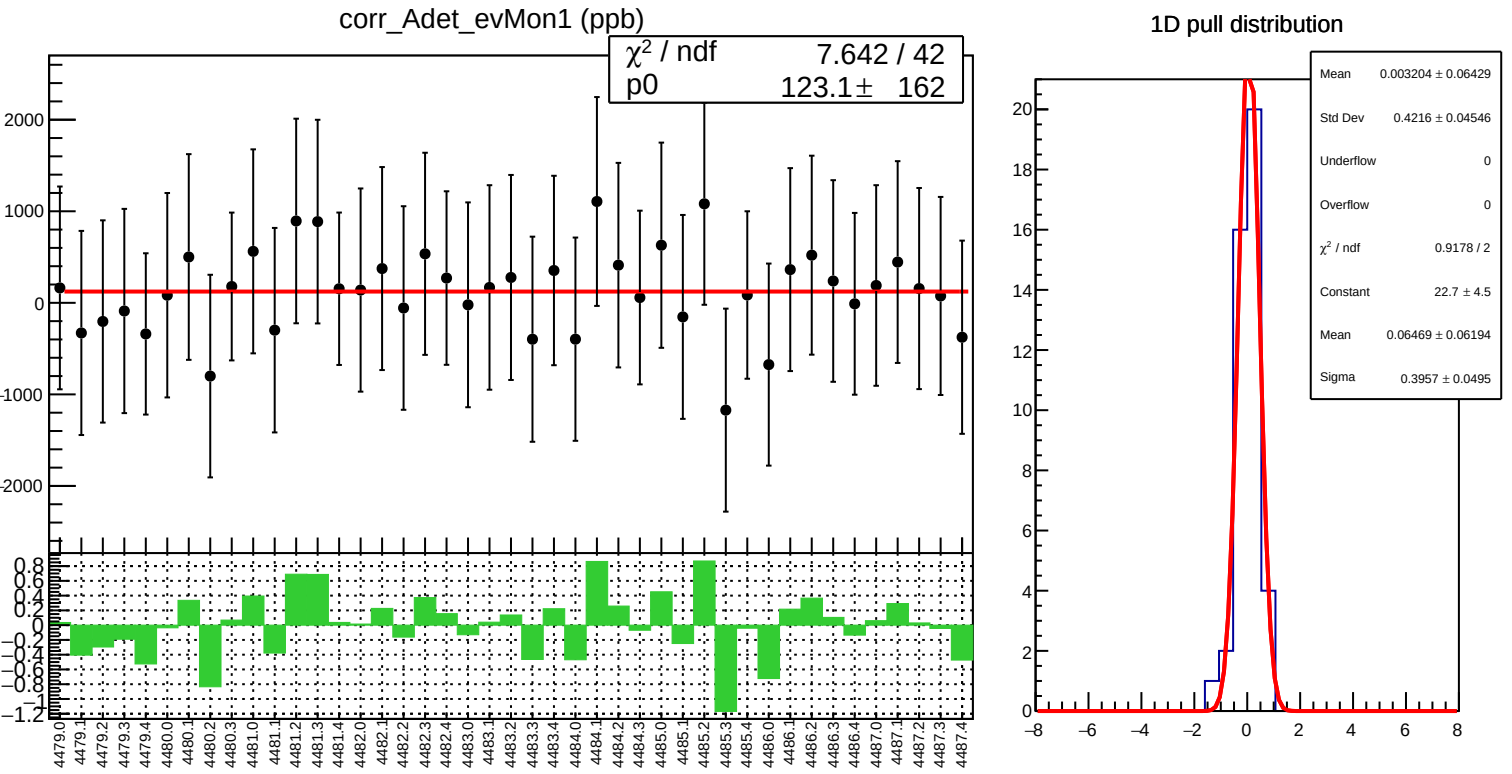



corr_Adet_evMon0 (ppb)
χ² / ndf 15.15 / 42
p0 −64.27 ± 147.9
2000
1000
0
−1000
−2000
−3000
1
0.5
0
−0.5
−1
−1.5
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

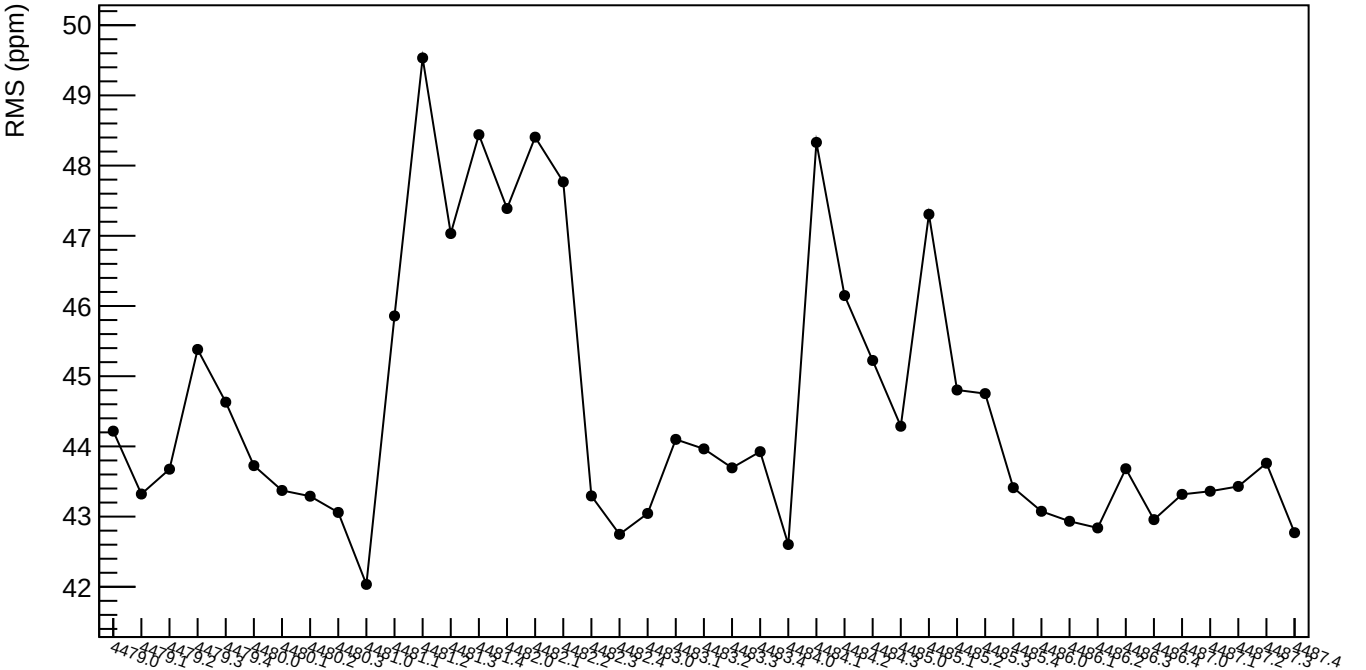

1D pull distribution
Mean 0.007032 ± 0.09052
Std Dev 0.5936 ± 0.064
Underflow 0
Overflow 0
χ² / ndf 2.38 / 3
Constant 14.57 ± 3.07
Mean 0.1073 ± 0.1168
Sigma 0.6298 ± 0.1152
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

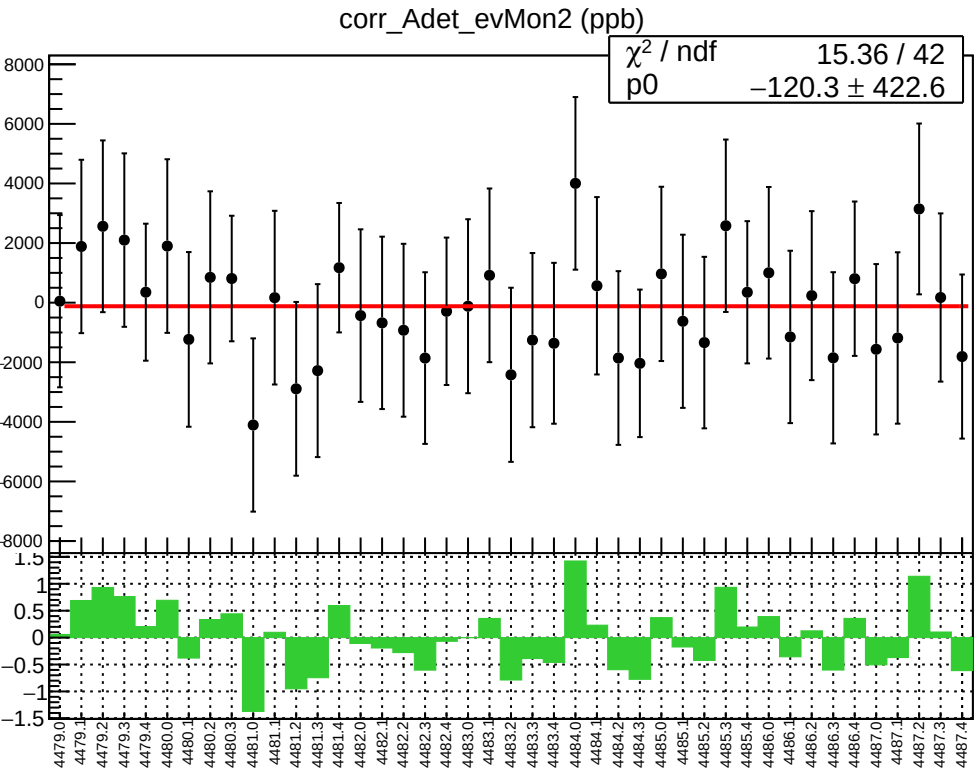
corr_Adet_evMon0 RMS (ppm)

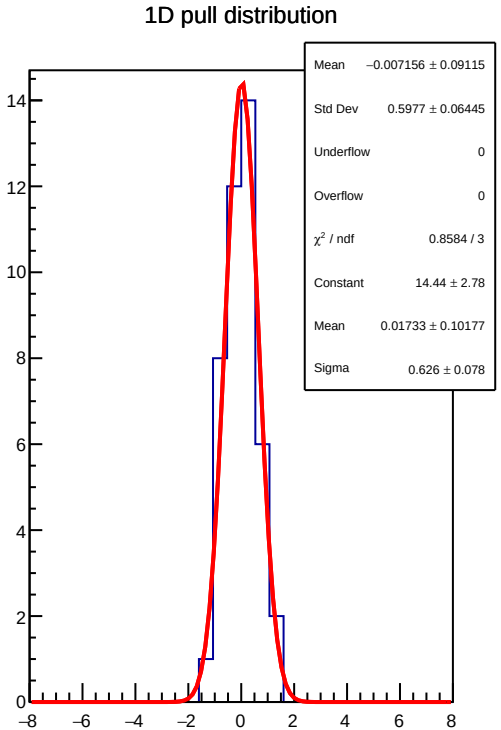



corr_Adet_evMon1 (ppb)
χ² / ndf 7.642 / 42
p0 123.1± 162
1D pull distribution
Mean 0.003204 ± 0.06429
Std Dev 0.4216 ± 0.04546
Underflow 0
Overflow 0
χ² / ndf 0.9178 / 2
Constant 22.7 ± 4.5
Mean 0.06469 ± 0.06194
Sigma 0.3957 ± 0.0495

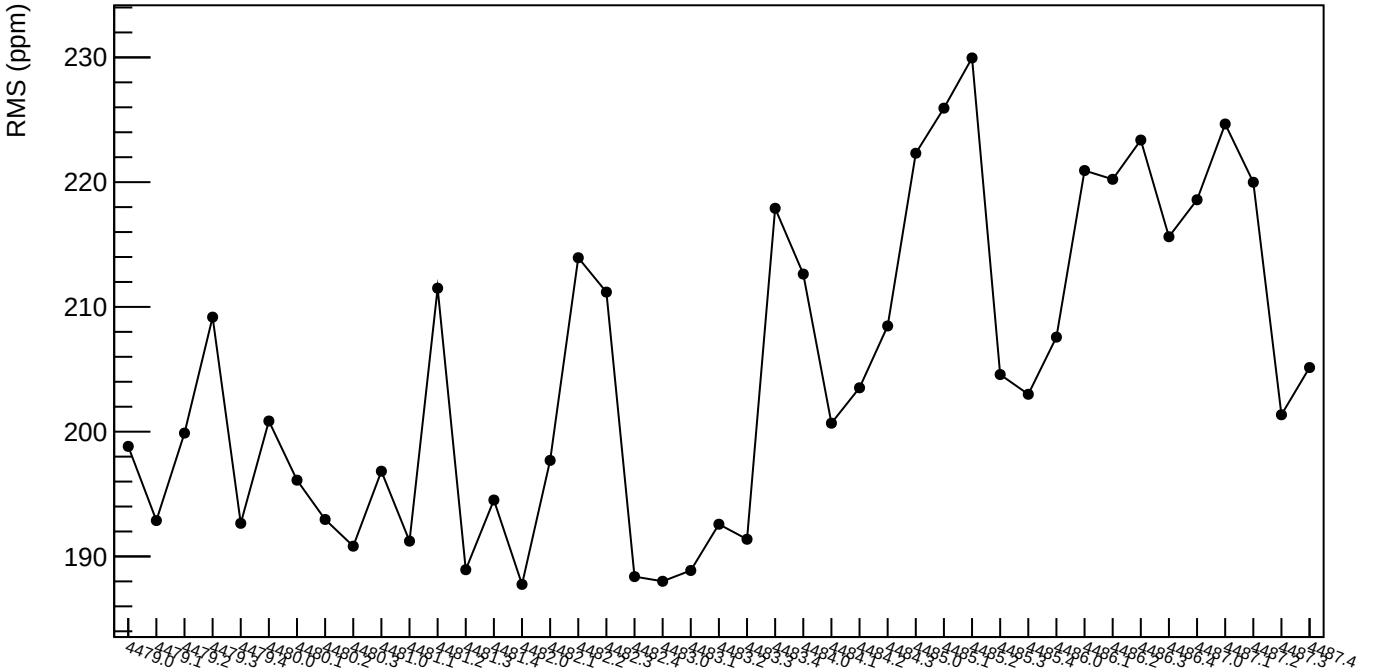
corr_Adet_evMon1 RMS (ppm)

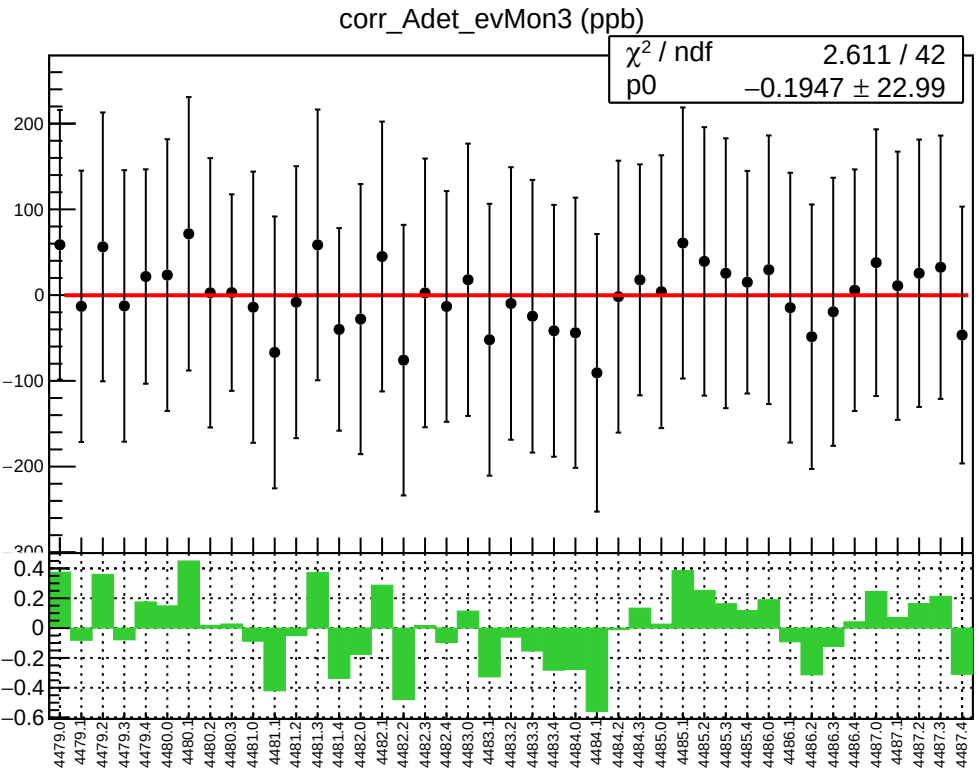


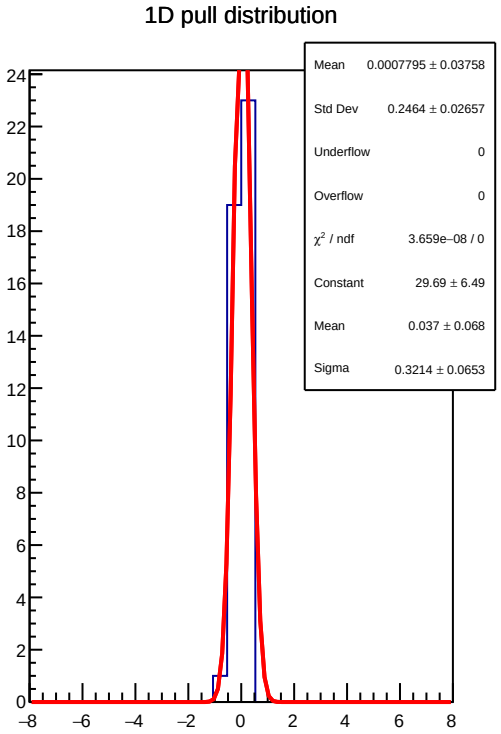

corr_Adet_evMon2 (ppb)
χ² / ndf 15.36 / 42
p0 −120.3 ± 422.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
1.5
1
0.5
0
−0.5
−1
−1.5
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

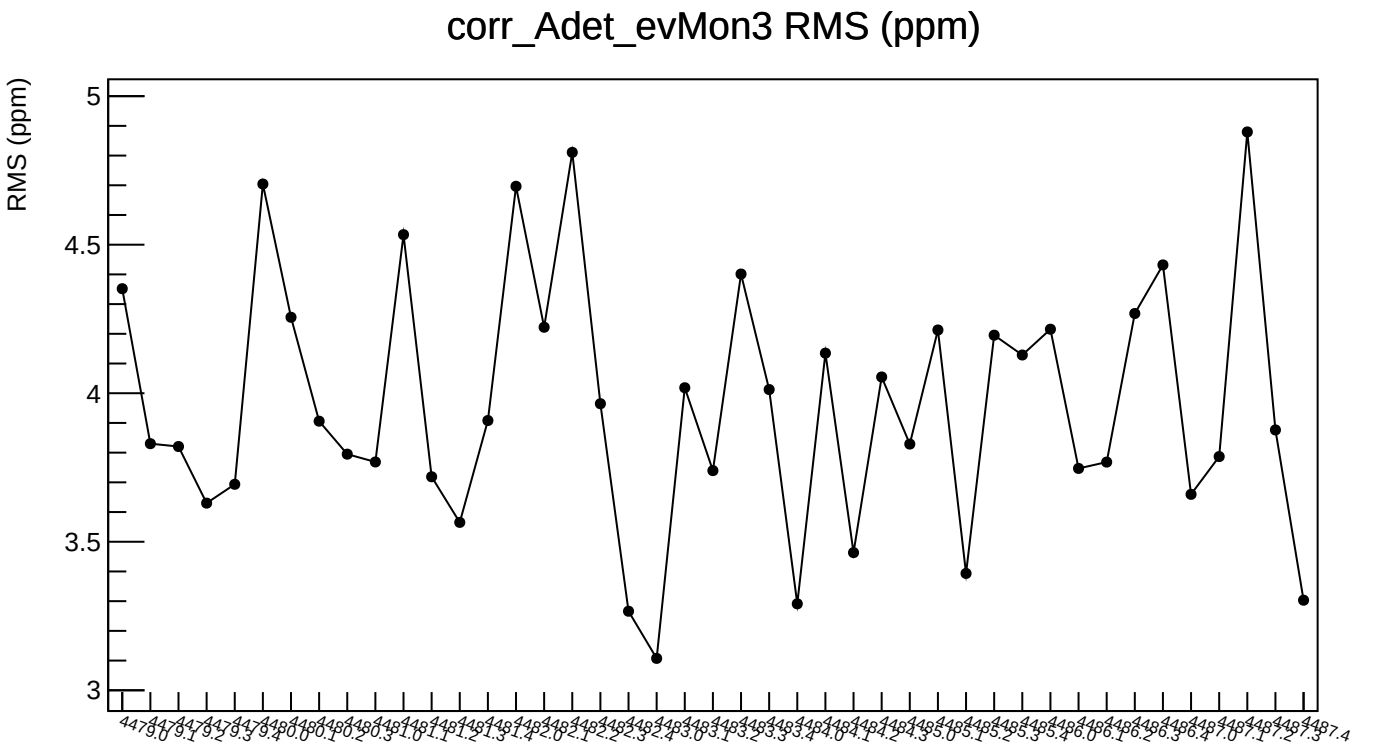

1D pull distribution
Mean −0.007156 ± 0.09115
Std Dev 0.5977 ± 0.06445
Underflow 0
Overflow 0
χ² / ndf 0.8584 / 3
Constant 14.44 ± 2.78
Mean 0.01733 ± 0.10177
Sigma 0.626 ± 0.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

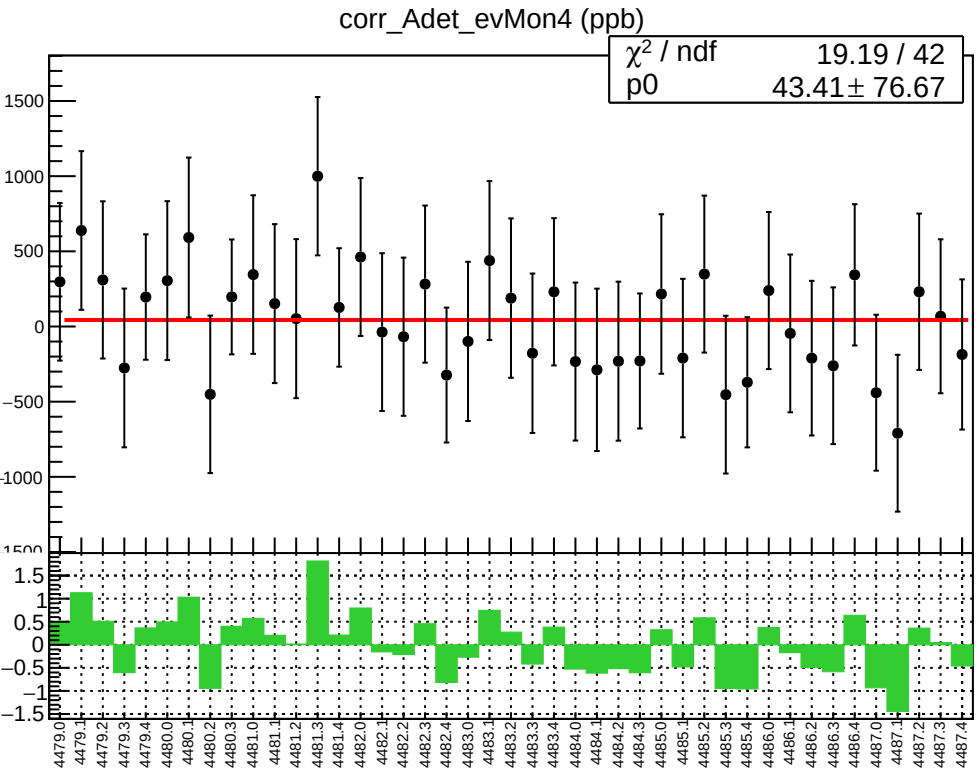
corr_Adet_evMon2 RMS (ppm)

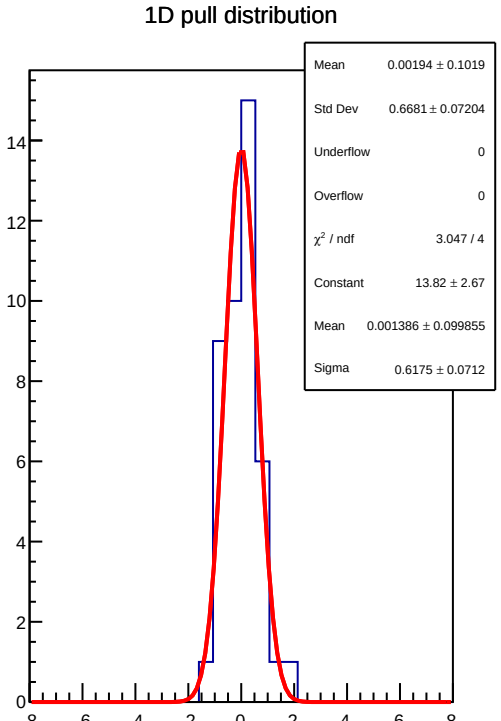



corr_Adet_evMon3 (ppb)
χ² / ndf 2.611 / 42
p0 −0.1947 ± 22.99
200
100
0
−100
−200
0.4
0.2
0
−0.2
−0.4
−0.6
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

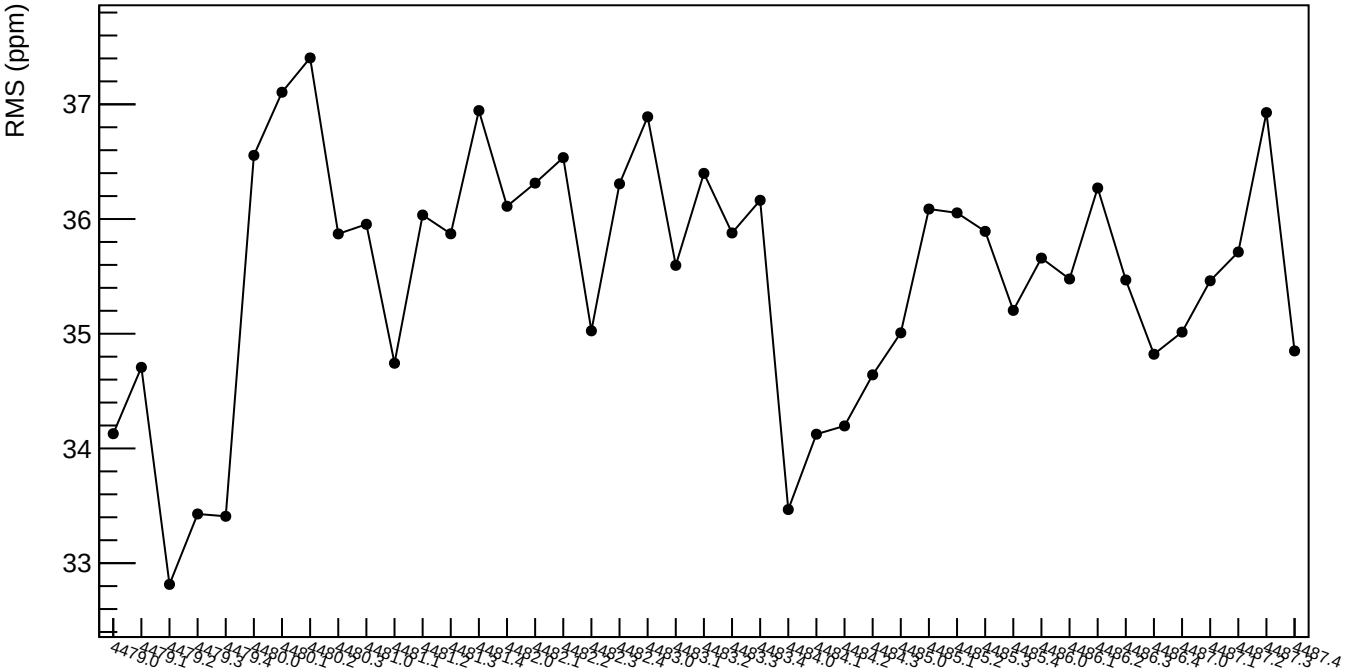

1D pull distribution
Mean 0.0007795 ± 0.03758
Std Dev 0.2464 ± 0.02657
Underflow 0
Overflow 0
χ² / ndf 3.659e−08 / 0
Constant 29.69 ± 6.49
Mean 0.037 ± 0.068
Sigma 0.3214 ± 0.0653
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

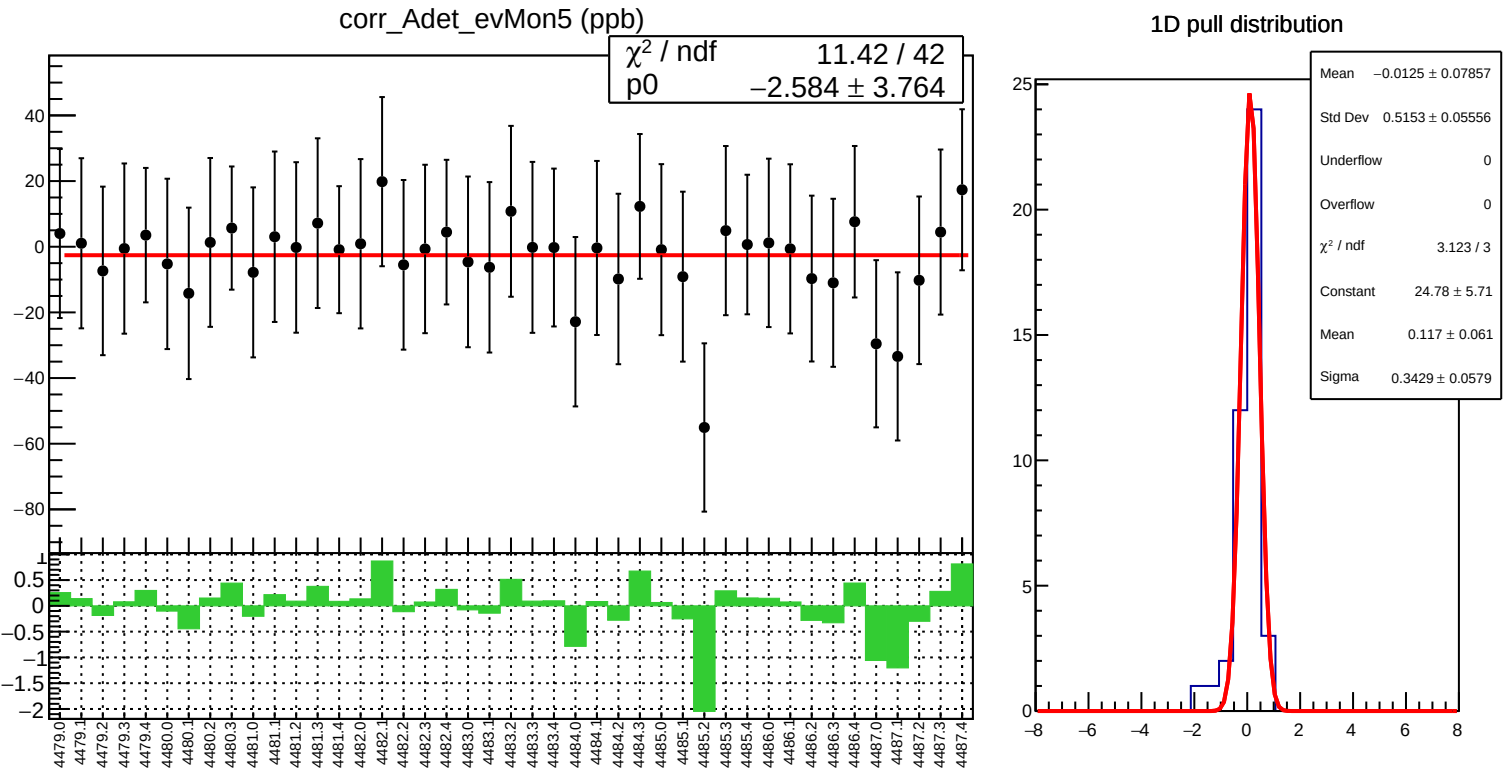

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3


corr_Adet_evMon4 (ppb)
χ² / ndf 19.19 / 42
p0 43.41 ± 76.67
1500
1000
500
0
−500
−1000
−1500
1.5
1
0.5
0
−0.5
−1
−1.5
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

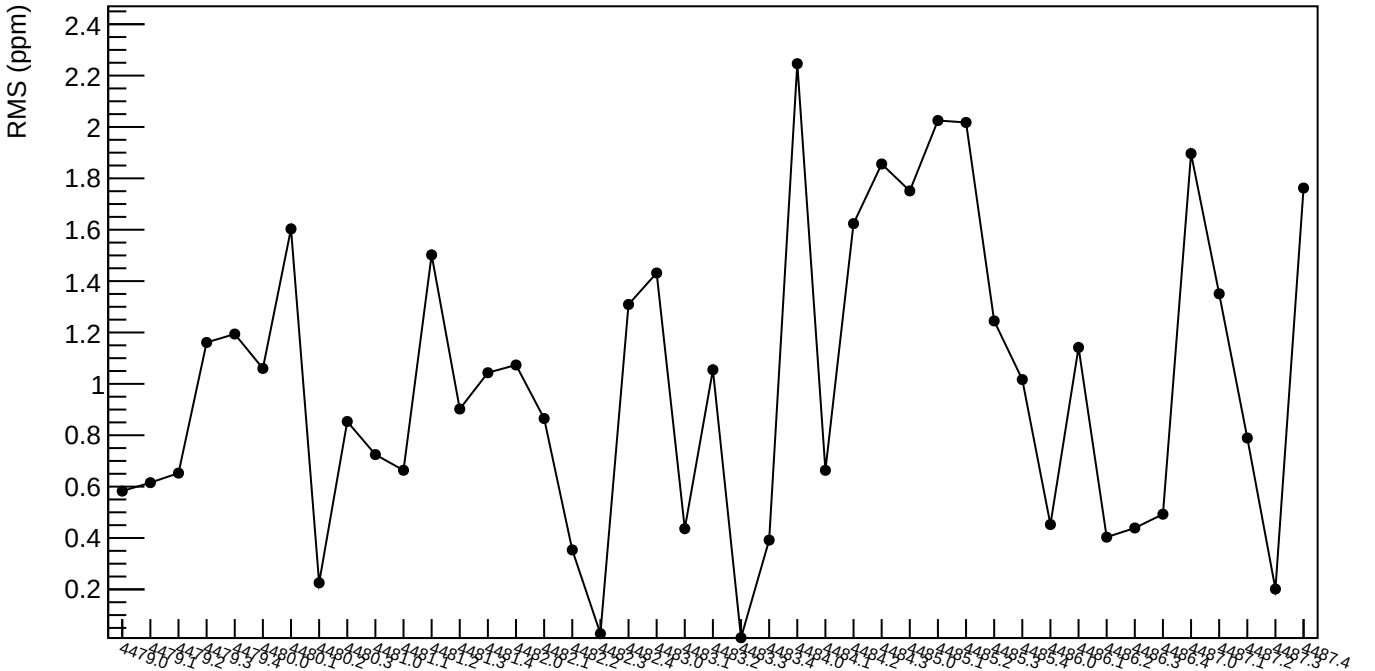

1D pull distribution
Mean 0.00194 ± 0.1019
Std Dev 0.6681 ± 0.07204
Underflow 0
Overflow 0
χ² / ndf 3.047 / 4
Constant 13.82 ± 2.67
Mean 0.001386 ± 0.099855
Sigma 0.6175 ± 0.0712
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

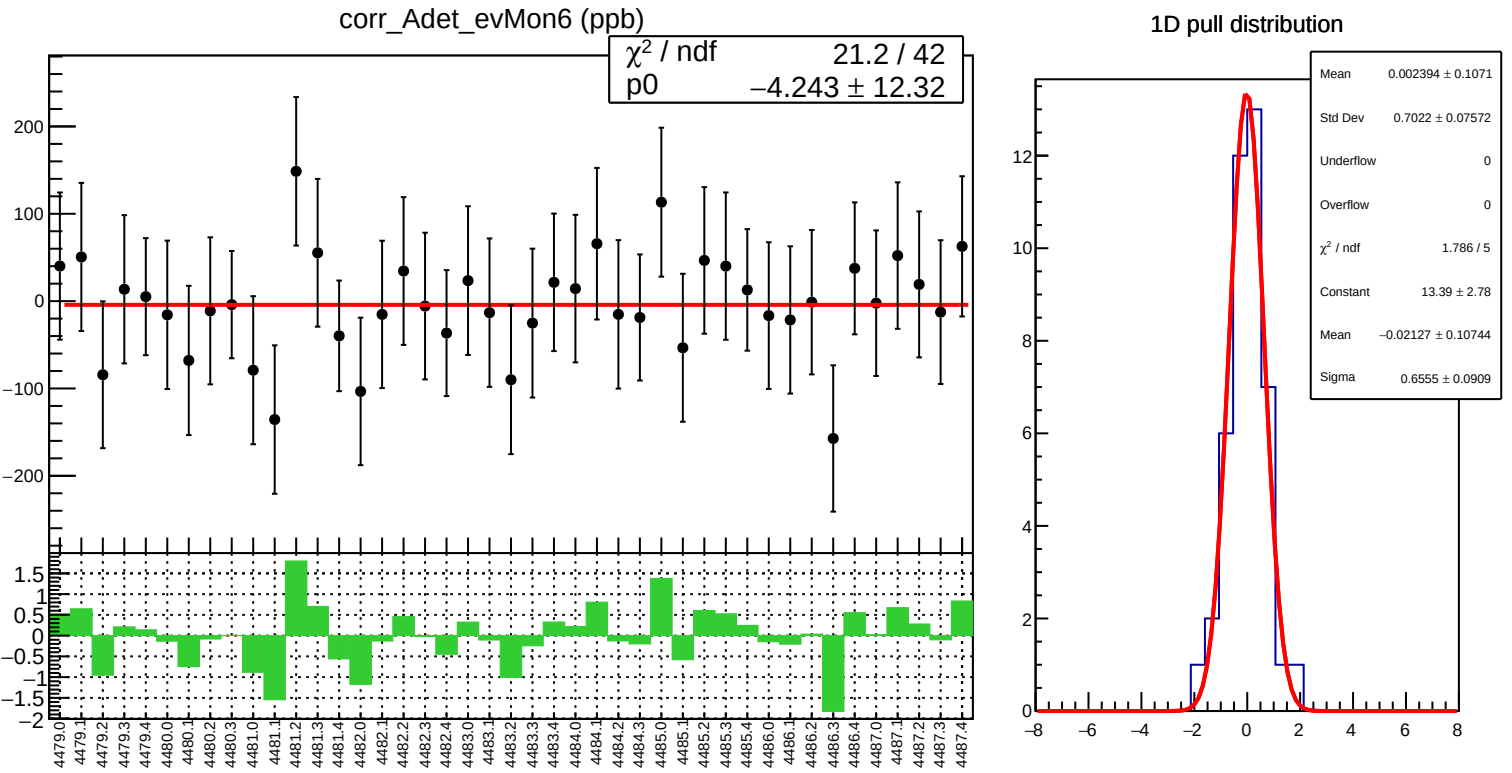
corr_Adet_evMon4 RMS (ppm)



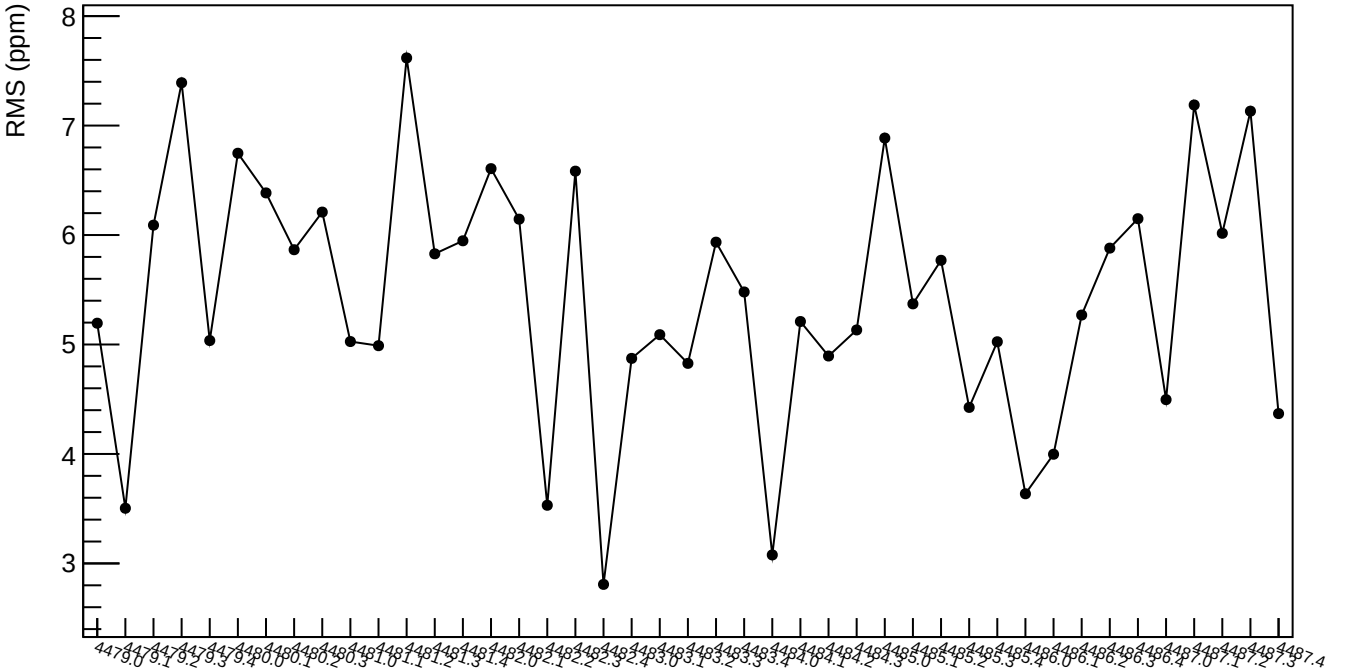

corr_Adet_evMon5 (ppb)
χ² / ndf 11.42 / 42
p0 −2.584 ± 3.764
1D pull distribution
Mean −0.0125 ± 0.07857
Std Dev 0.5153 ± 0.05556
Underflow 0
Overflow 0
χ² / ndf 3.123 / 3
Constant 24.78 ± 5.71
Mean 0.117 ± 0.061
Sigma 0.3429 ± 0.0579

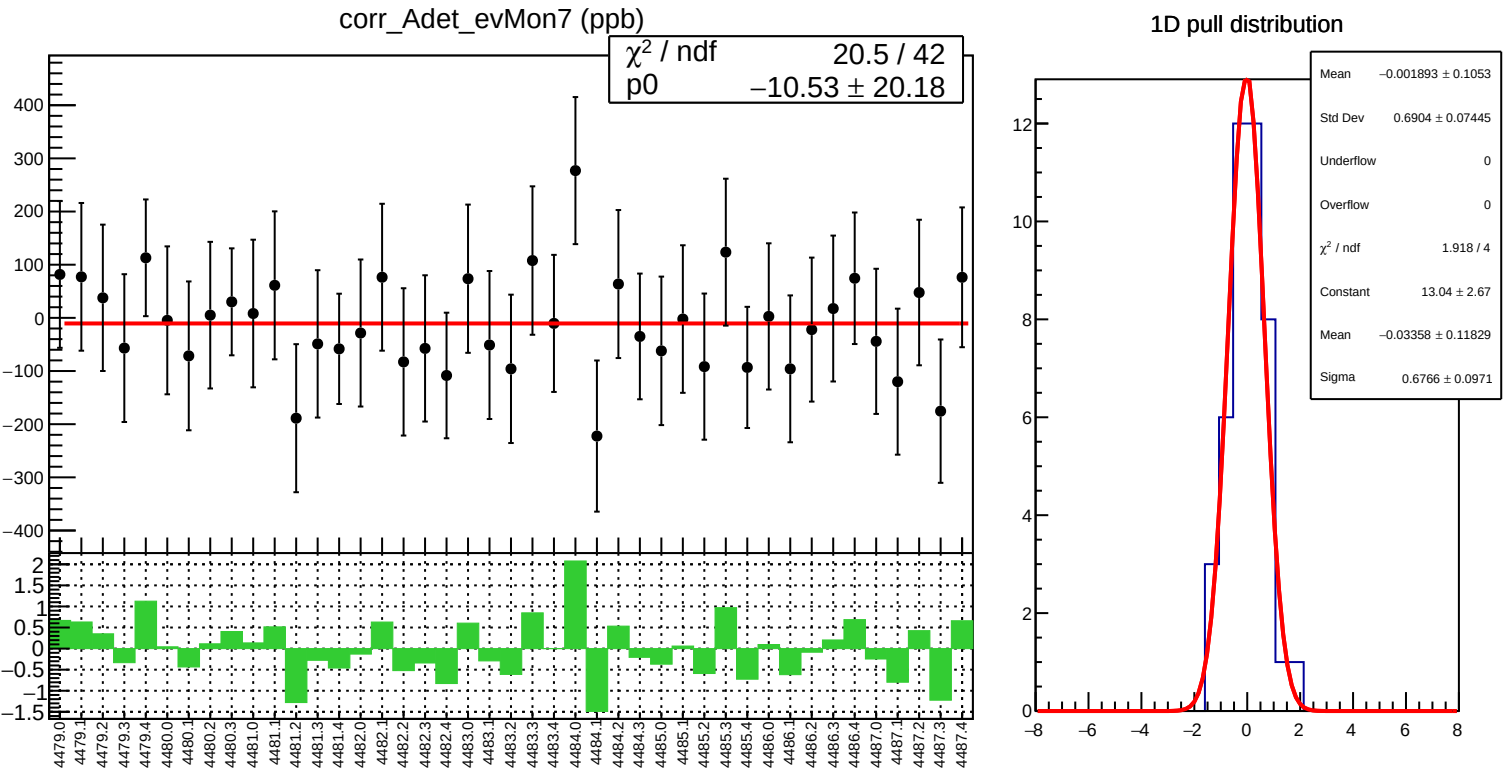
corr_Adet_evMon5 RMS (ppm)



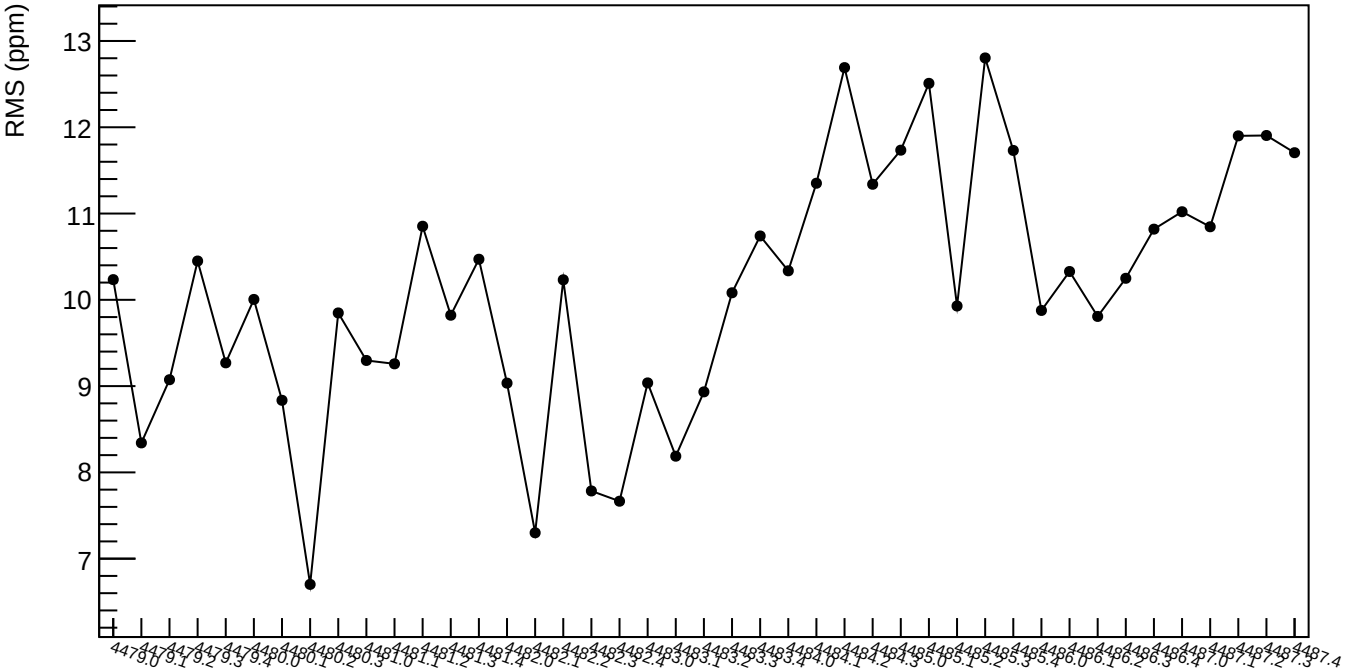

corr_Adet_evMon6 (ppb)
χ² / ndf 21.2 / 42
p0 −4.243 ± 12.32
1D pull distribution
Mean 0.002394 ± 0.1071
Std Dev 0.7022 ± 0.07572
Underflow 0
Overflow 0
χ² / ndf 1.786 / 5
Constant 13.39 ± 2.78
Mean −0.02127 ± 0.10744
Sigma 0.6555 ± 0.0909

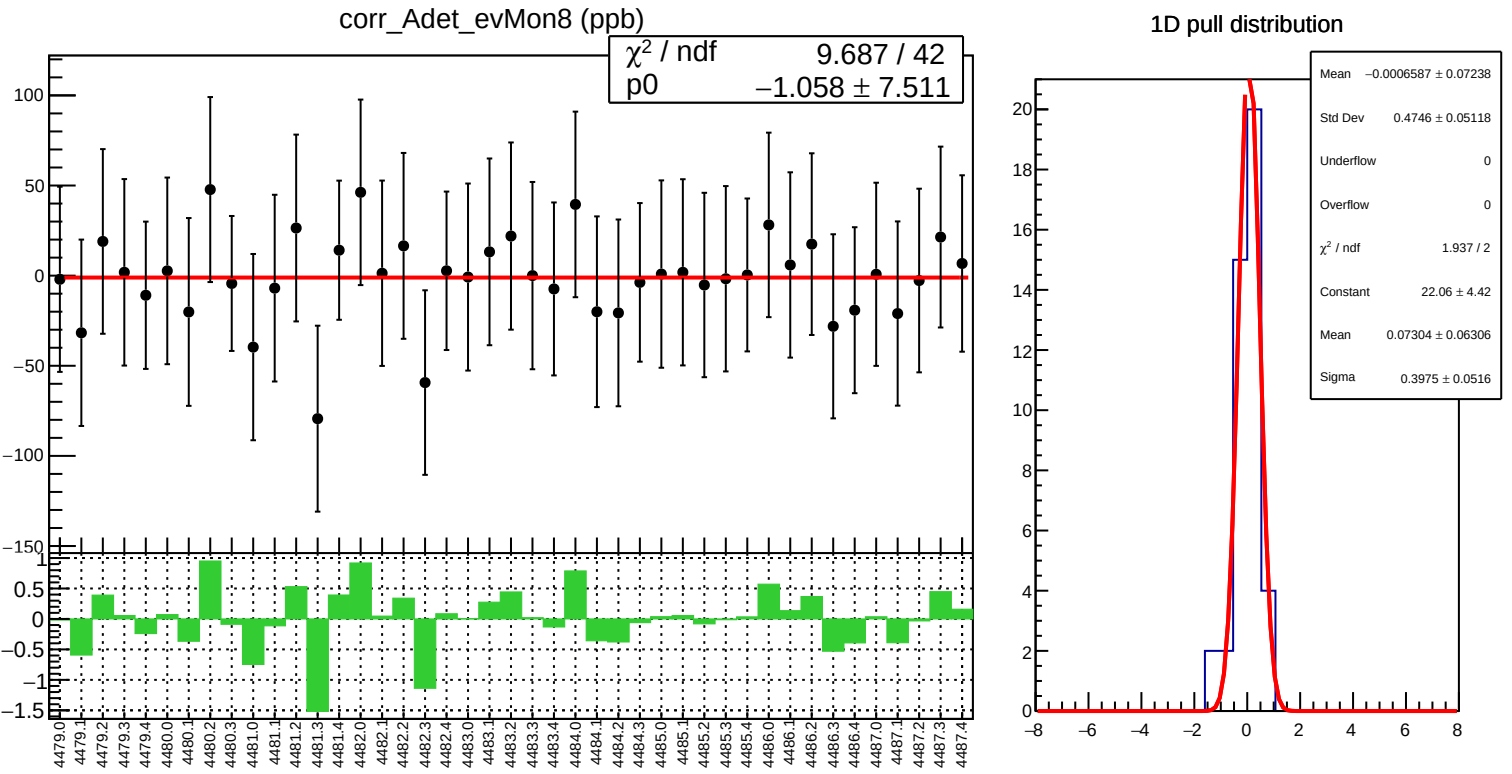
corr_Adet_evMon6 RMS (ppm)



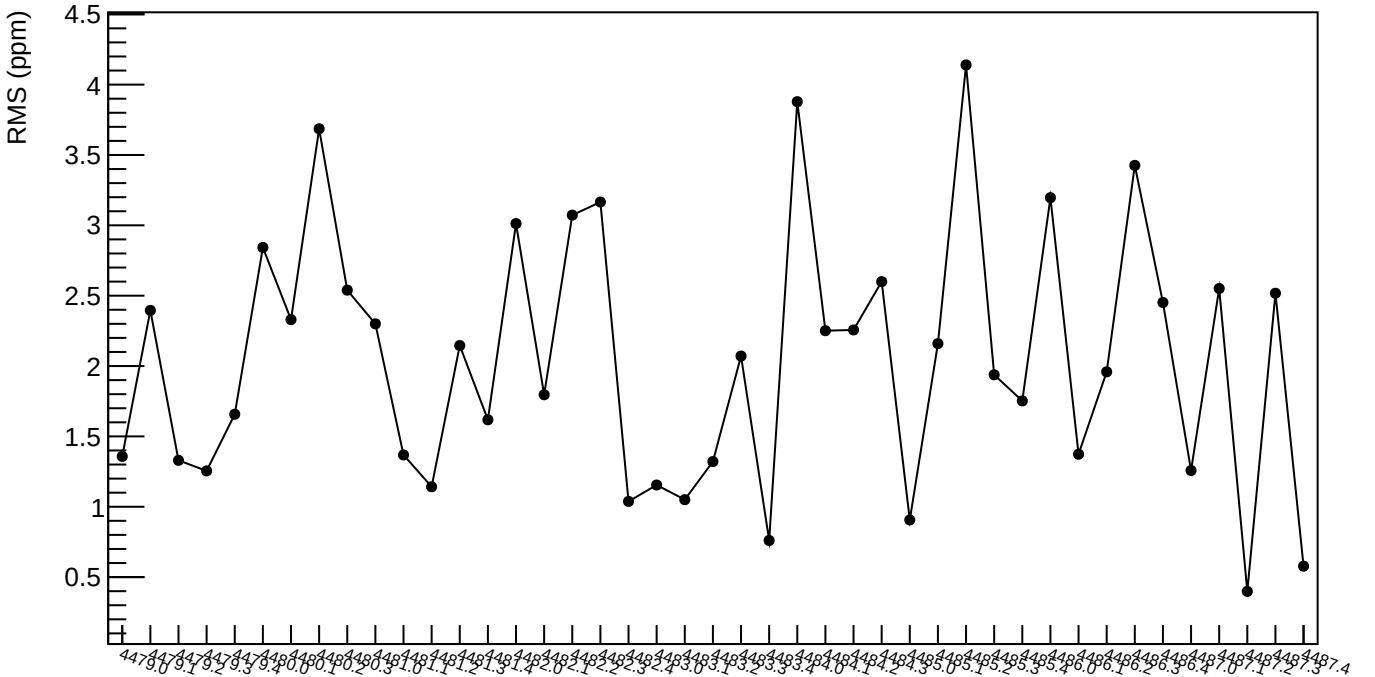

corr_Adet_evMon7 (ppb)
χ² / ndf 20.5 / 42
p0 −10.53 ± 20.18
1D pull distribution
Mean −0.001893 ± 0.1053
Std Dev 0.6904 ± 0.07445
Underflow 0
Overflow 0
χ² / ndf 1.918 / 4
Constant 13.04 ± 2.67
Mean −0.03358 ± 0.11829
Sigma 0.6766 ± 0.0971

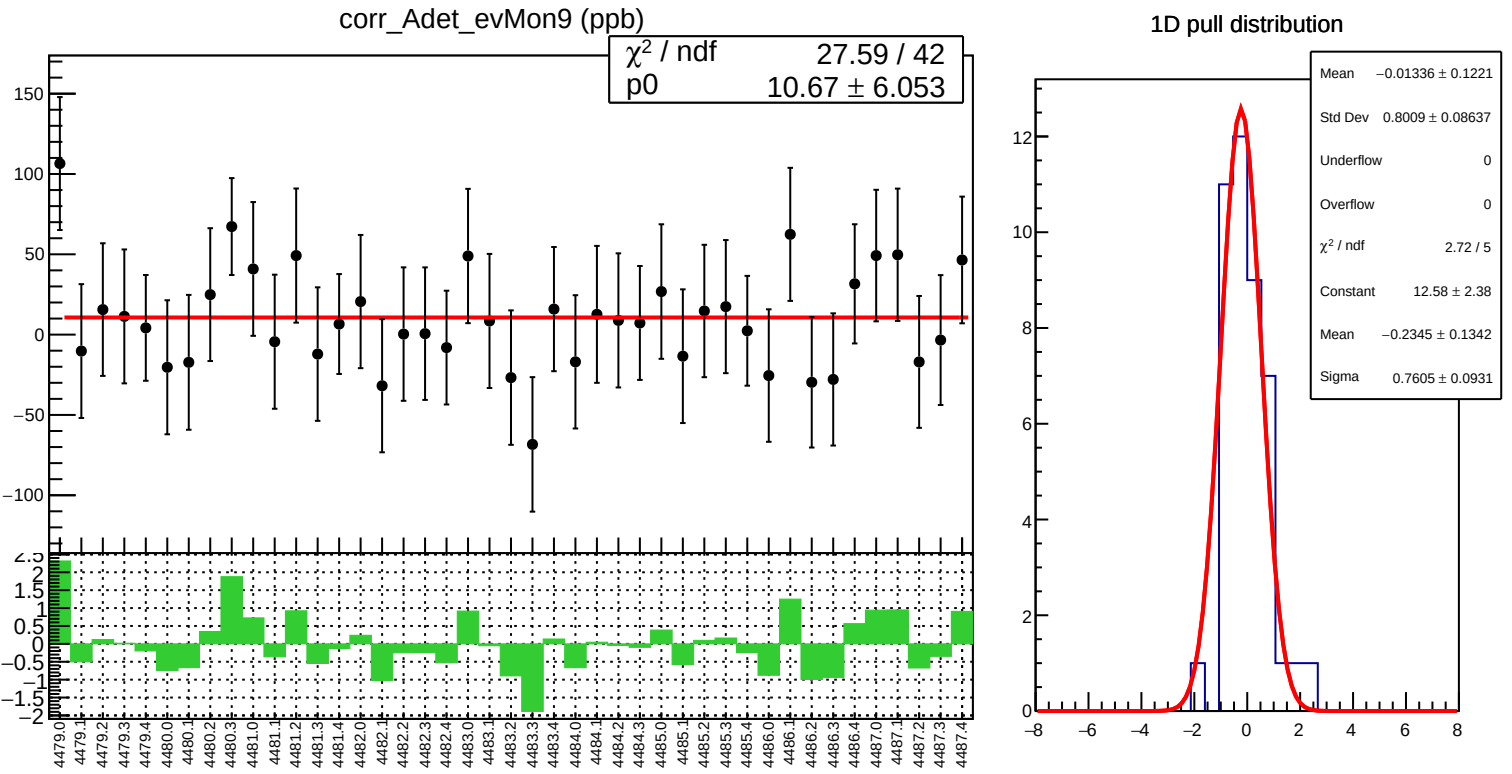
corr_Adet_evMon7 RMS (ppm)



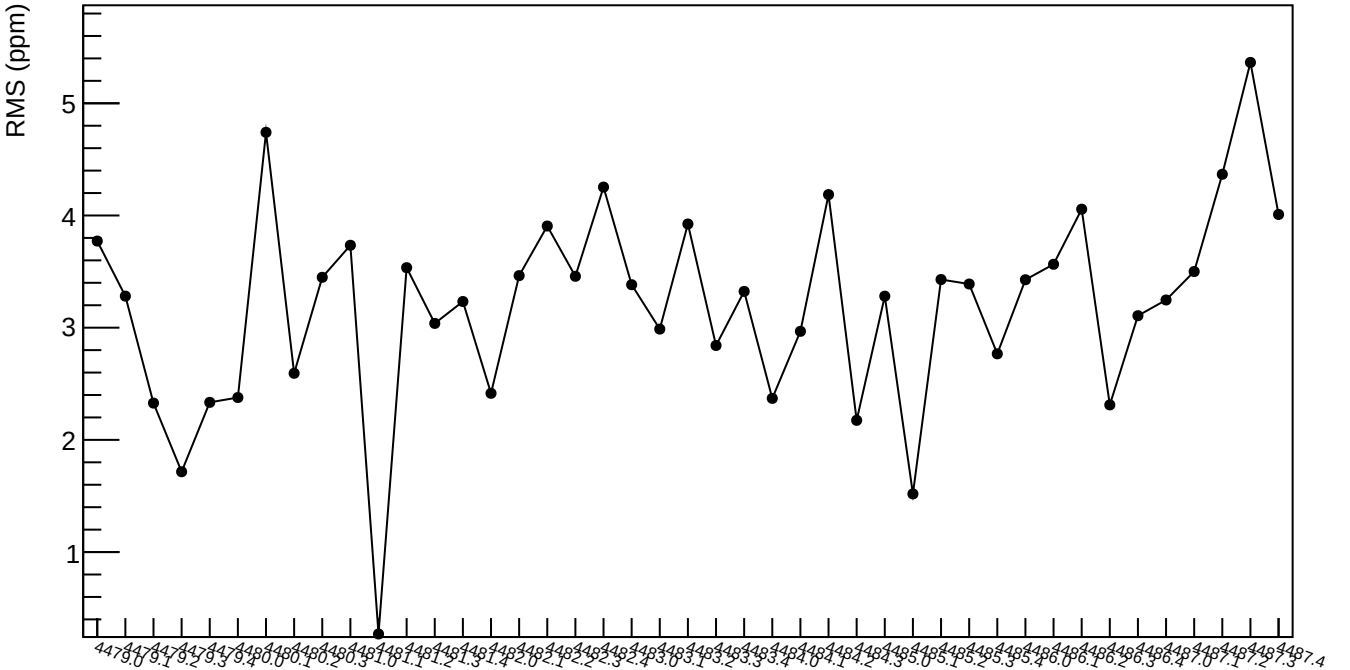

corr_Adet_evMon8 (ppb)
χ² / ndf 9.687 / 42
p0 −1.058 ± 7.511
1D pull distribution
Mean −0.0006587 ± 0.07238
Std Dev 0.4746 ± 0.05118
Underflow 0
Overflow 0
χ² / ndf 1.937 / 2
Constant 22.06 ± 4.42
Mean 0.07304 ± 0.06306
Sigma 0.3975 ± 0.0516

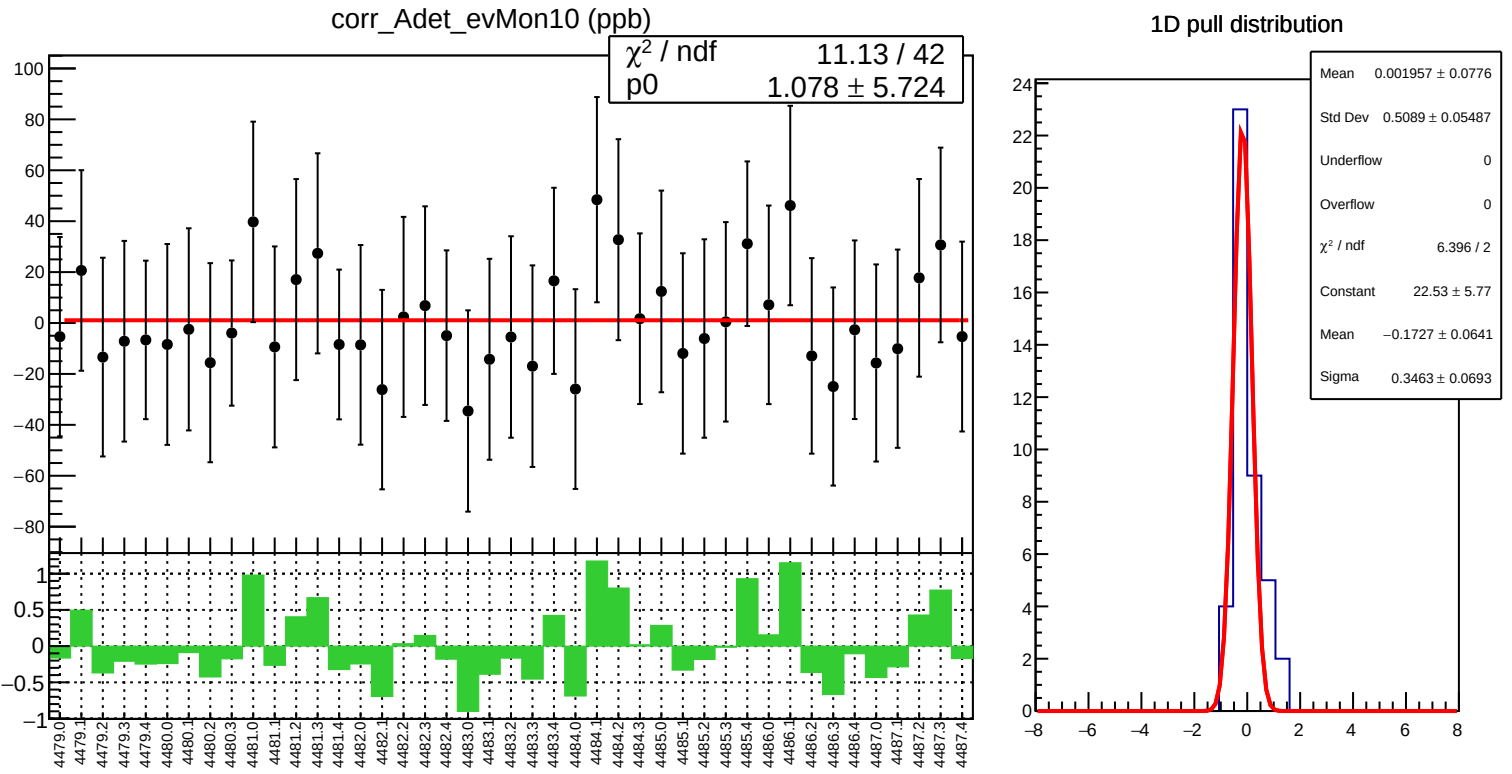
corr_Adet_evMon8 RMS (ppm)



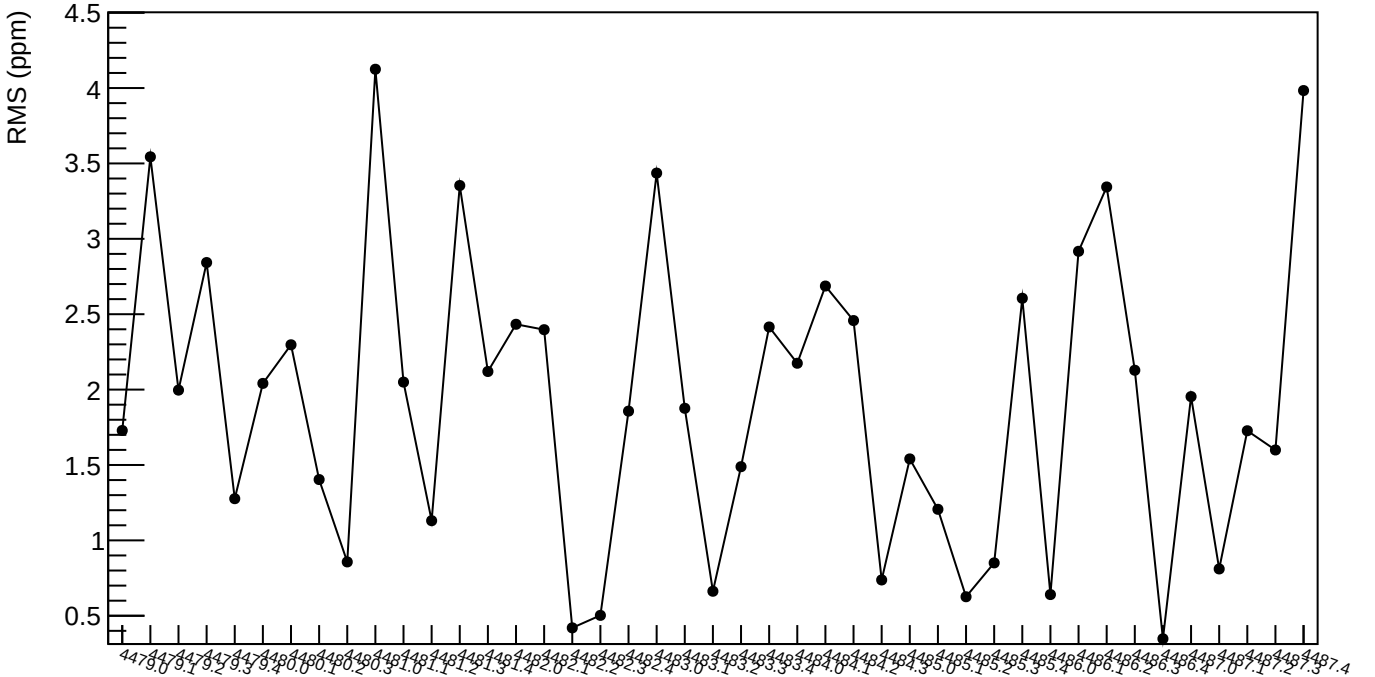

corr_Adet_evMon9 (ppb)
χ² / ndf 27.59 / 42
p0 10.67 ± 6.053
1D pull distribution
Mean −0.01336 ± 0.1221
Std Dev 0.8009 ± 0.08637
Underflow 0
Overflow 0
χ² / ndf 2.72 / 5
Constant 12.58 ± 2.38
Mean −0.2345 ± 0.1342
Sigma 0.7605 ± 0.0931

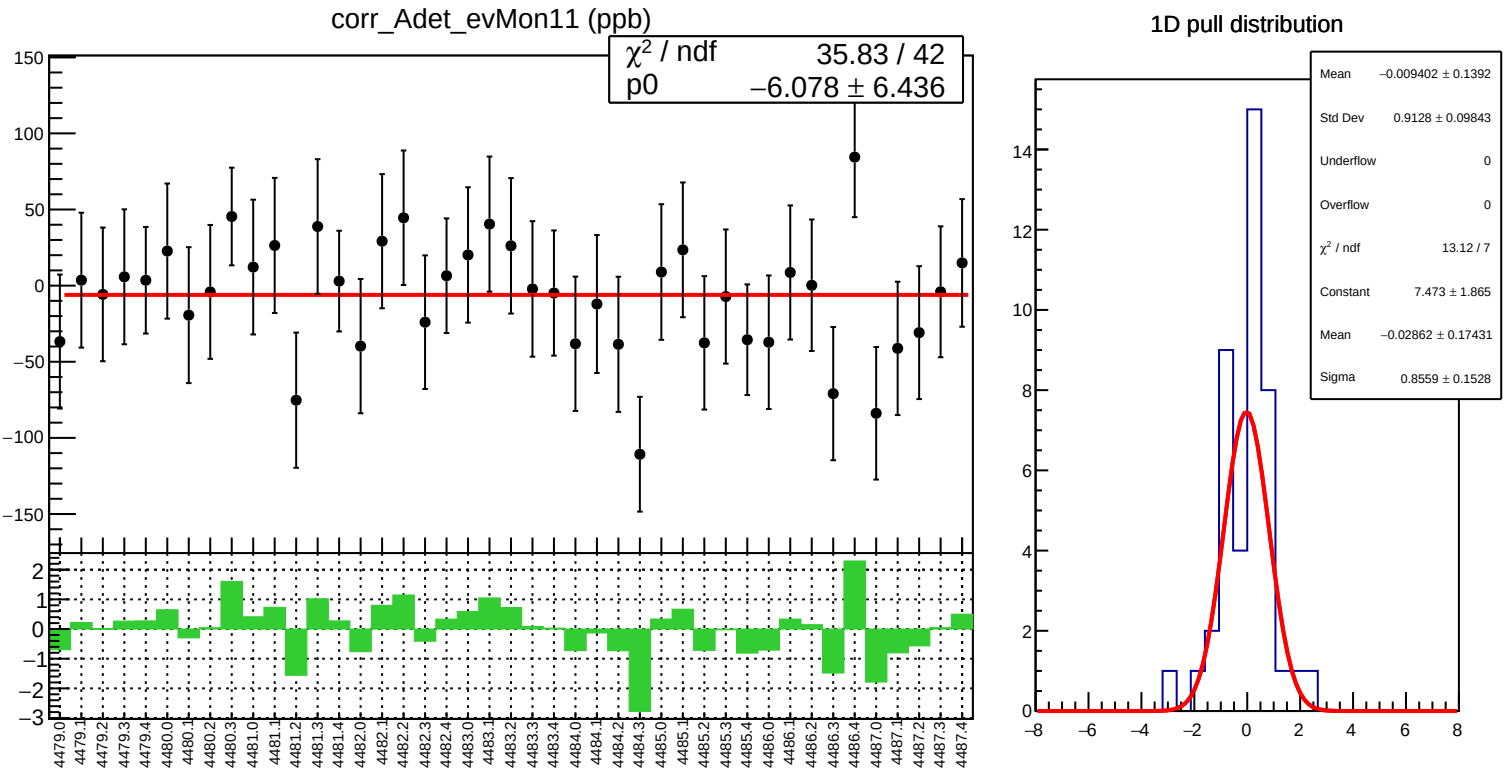
corr_Adet_evMon9 RMS (ppm)



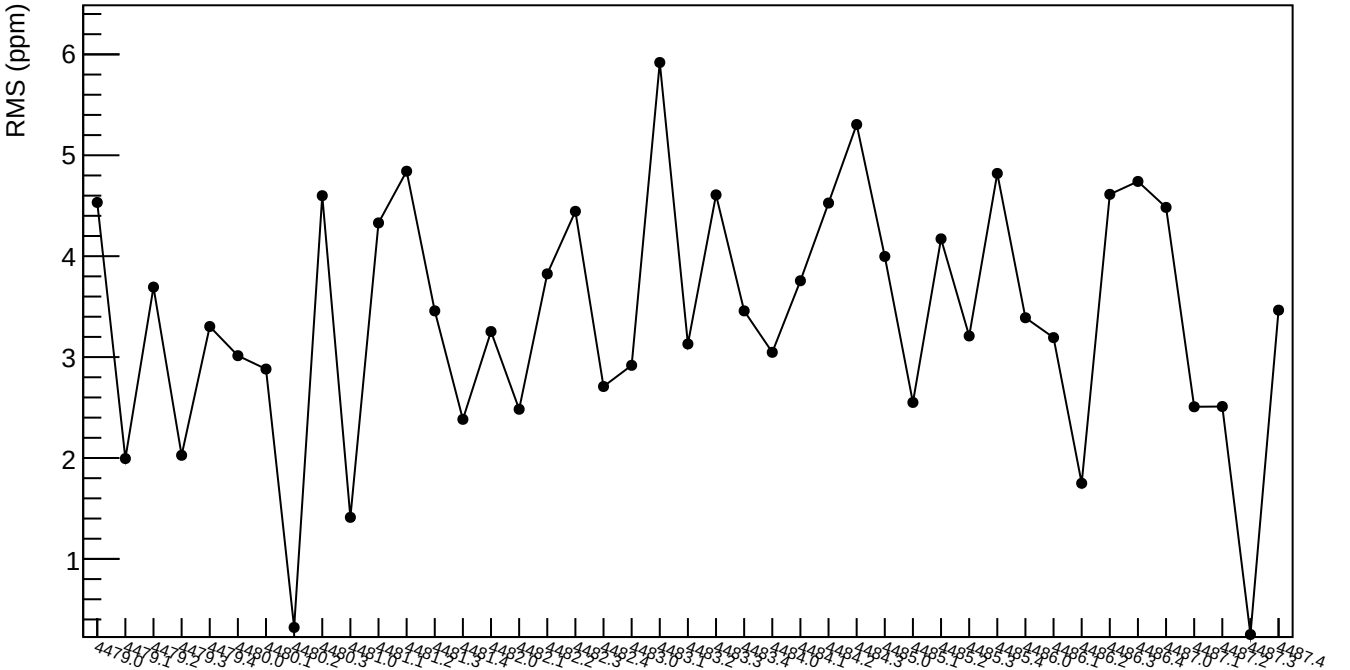

corr_Adet_evMon10 (ppb)
χ² / ndf 11.13 / 42
p0 1.078 ± 5.724
1D pull distribution
Mean 0.001957 ± 0.0776
Std Dev 0.5089 ± 0.05487
Underflow 0
Overflow 0
χ² / ndf 6.396 / 2
Constant 22.53 ± 5.77
Mean −0.1727 ± 0.0641
Sigma 0.3463 ± 0.0693

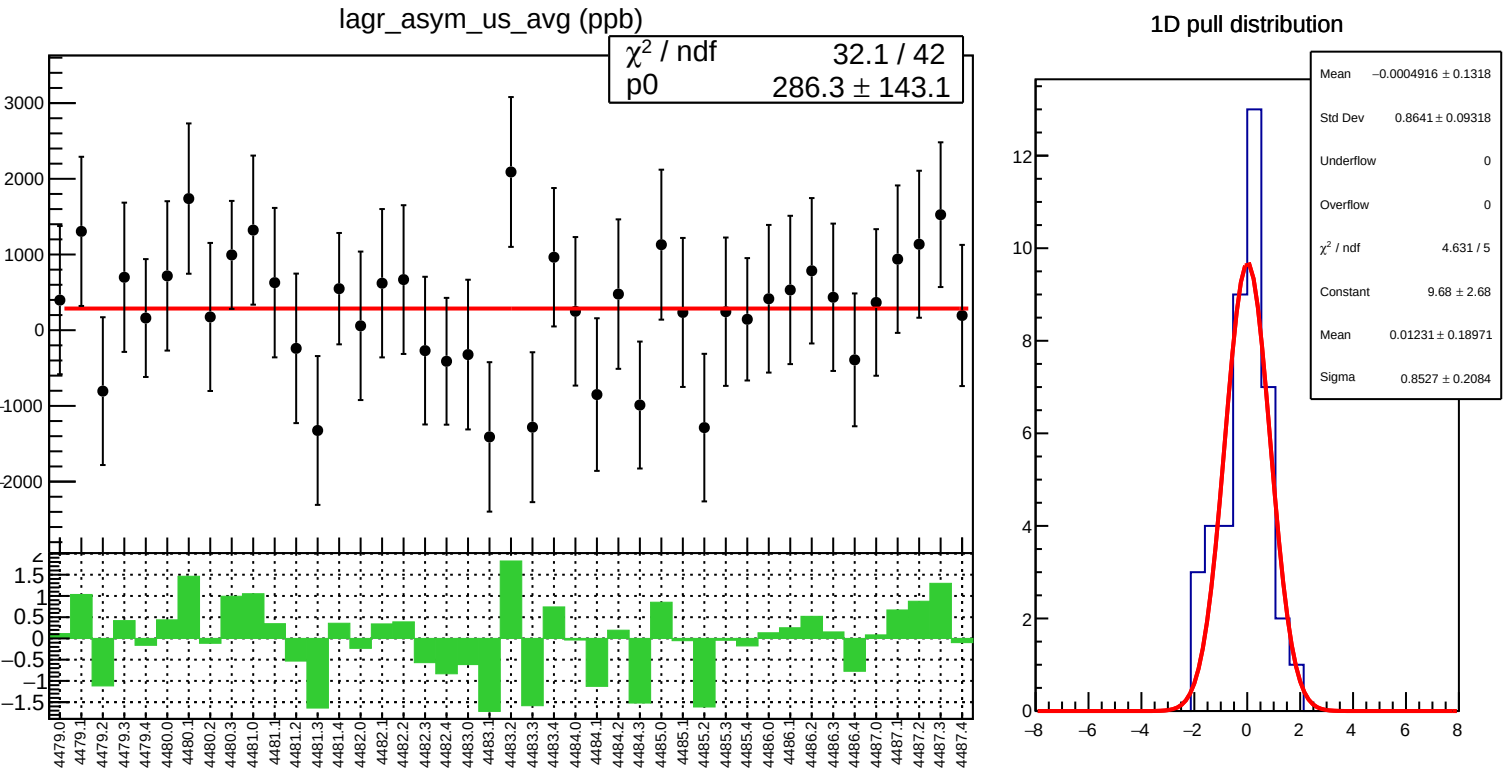
corr_Adet_evMon10 RMS (ppm)



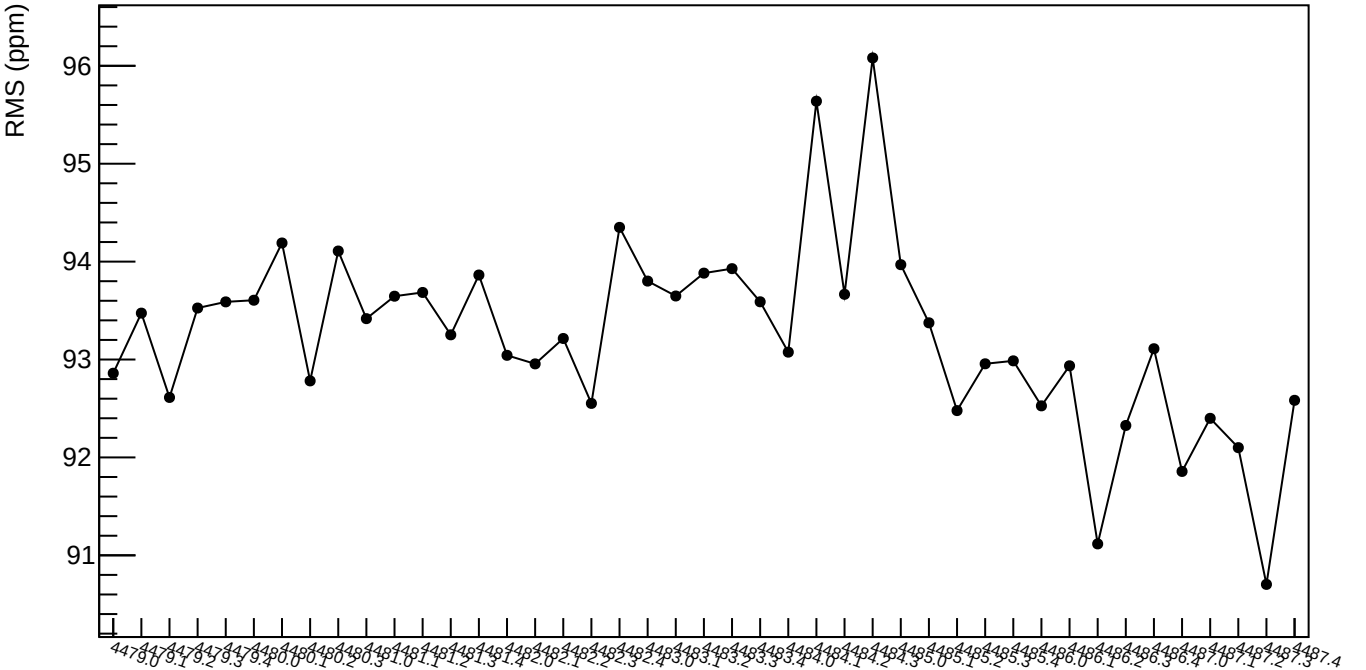

corr_Adet_evMon11 (ppb)
χ² / ndf 35.83 / 42
p0 −6.078 ± 6.436
1D pull distribution
Mean −0.009402 ± 0.1392
Std Dev 0.9128 ± 0.09843
Underflow 0
Overflow 0
χ² / ndf 13.12 / 7
Constant 7.473 ± 1.865
Mean −0.02862 ± 0.17431
Sigma 0.8559 ± 0.1528

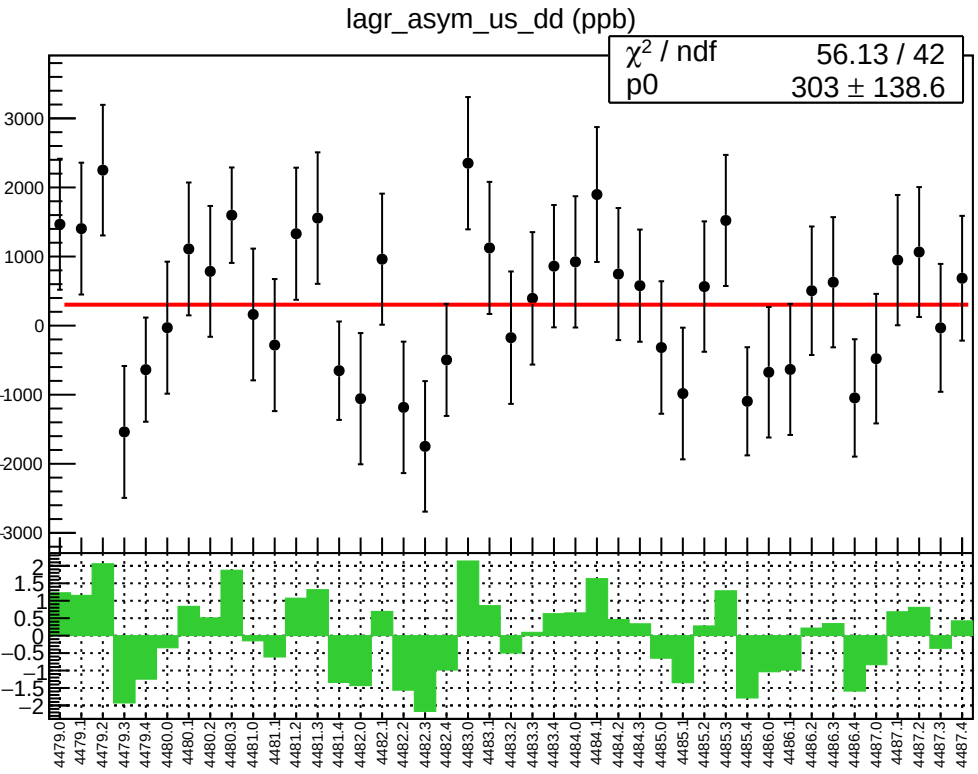
corr_Adet_evMon11 RMS (ppm)

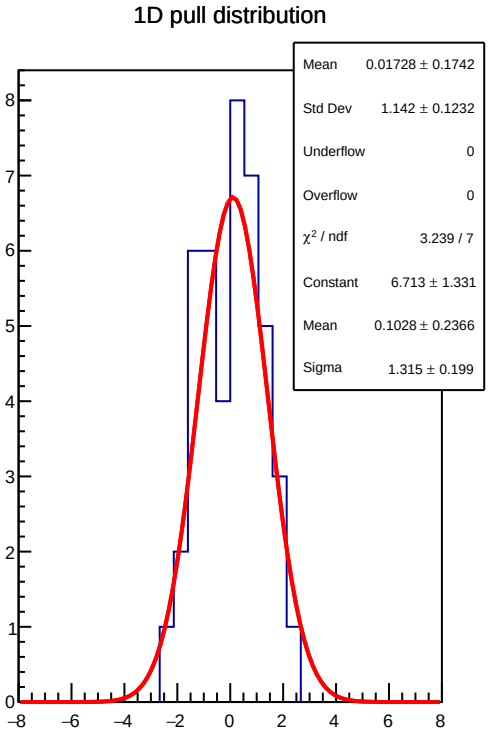

RMS (ppm)
6
5
4
3
2
1
447 447 447 447 448 448 448


lagr_asym_us_avg (ppb)
χ² / ndf 32.1 / 42
p0 286.3 ± 143.1
1D pull distribution
Mean −0.0004916 ± 0.1318
Std Dev 0.8641 ± 0.09318
Underflow 0
Overflow 0
χ² / ndf 4.631 / 5
Constant 9.68 ± 2.68
Mean 0.01231 ± 0.18971
Sigma 0.8527 ± 0.2084

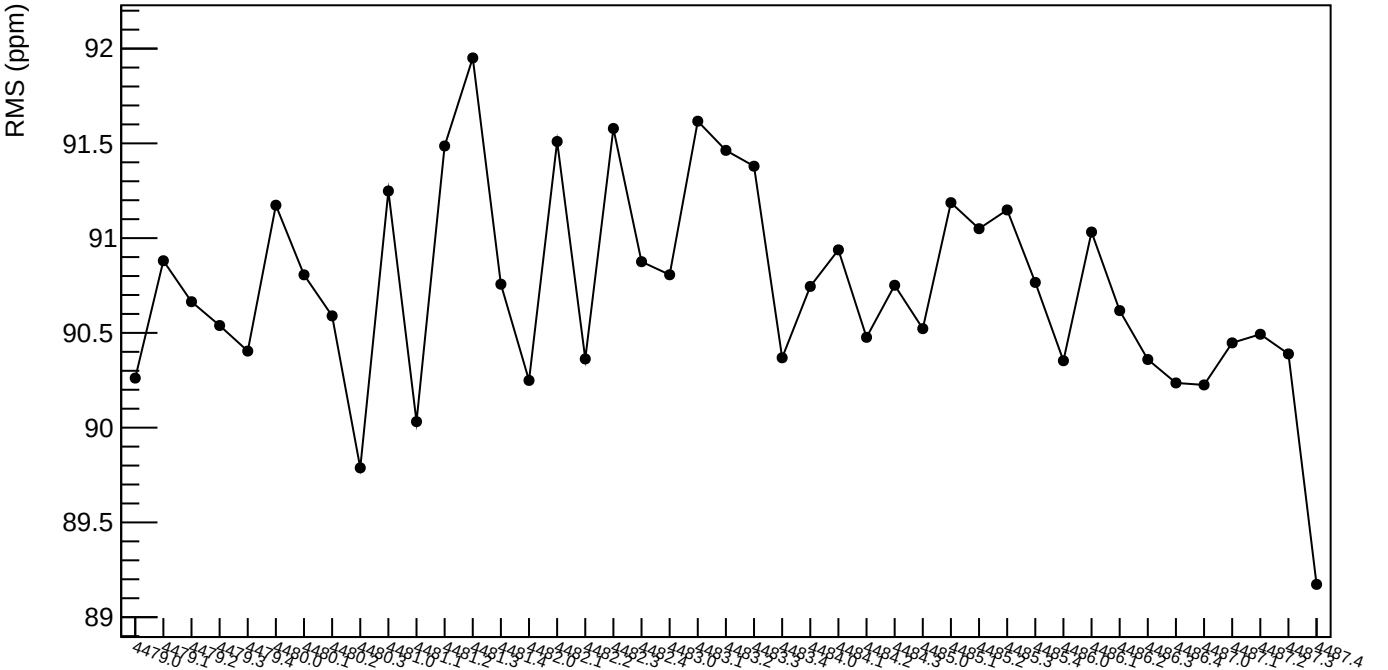
lagr_asym_us_avg RMS (ppm)

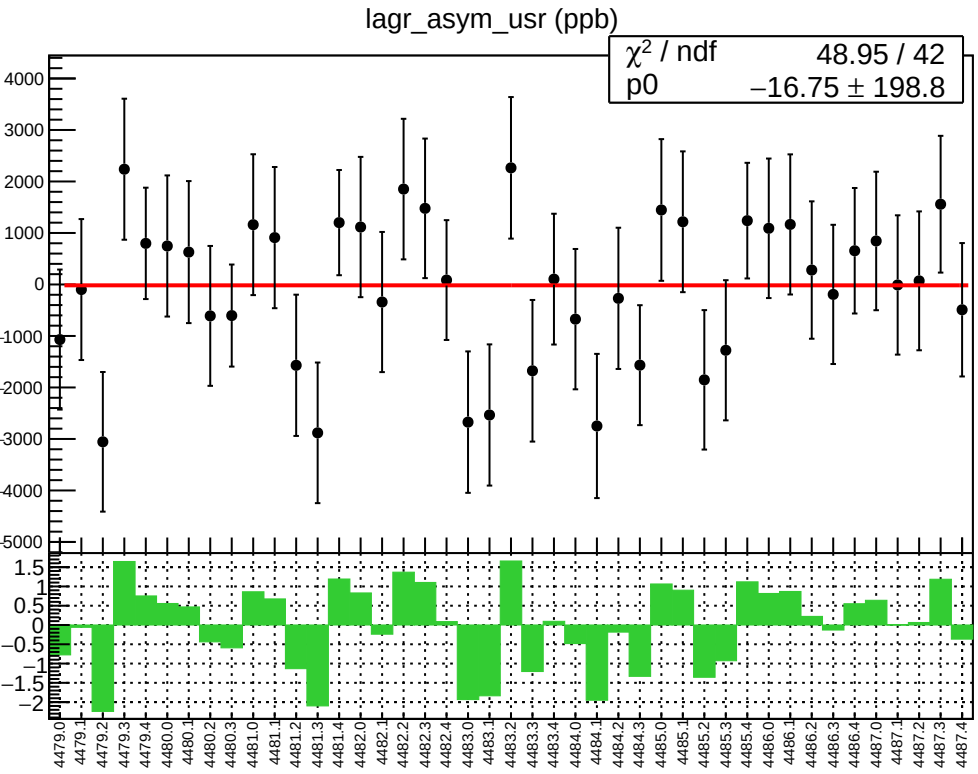


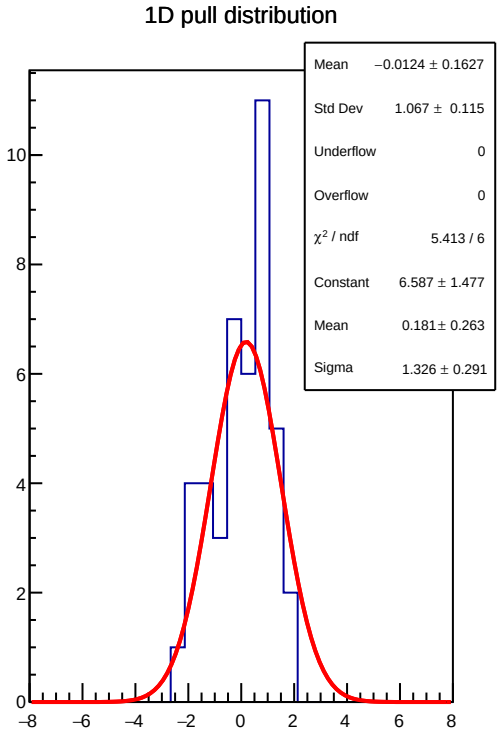

lagr_asym_us_dd (ppb)
χ² / ndf 56.13 / 42
p0 303 ± 138.6
3000
2000
1000
0
-1000
-2000
-3000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4


1D pull distribution
Mean 0.01728 ± 0.1742
Std Dev 1.142 ± 0.1232
Underflow 0
Overflow 0
χ² / ndf 3.239 / 7
Constant 6.713 ± 1.331
Mean 0.1028 ± 0.2366
Sigma 1.315 ± 0.199
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

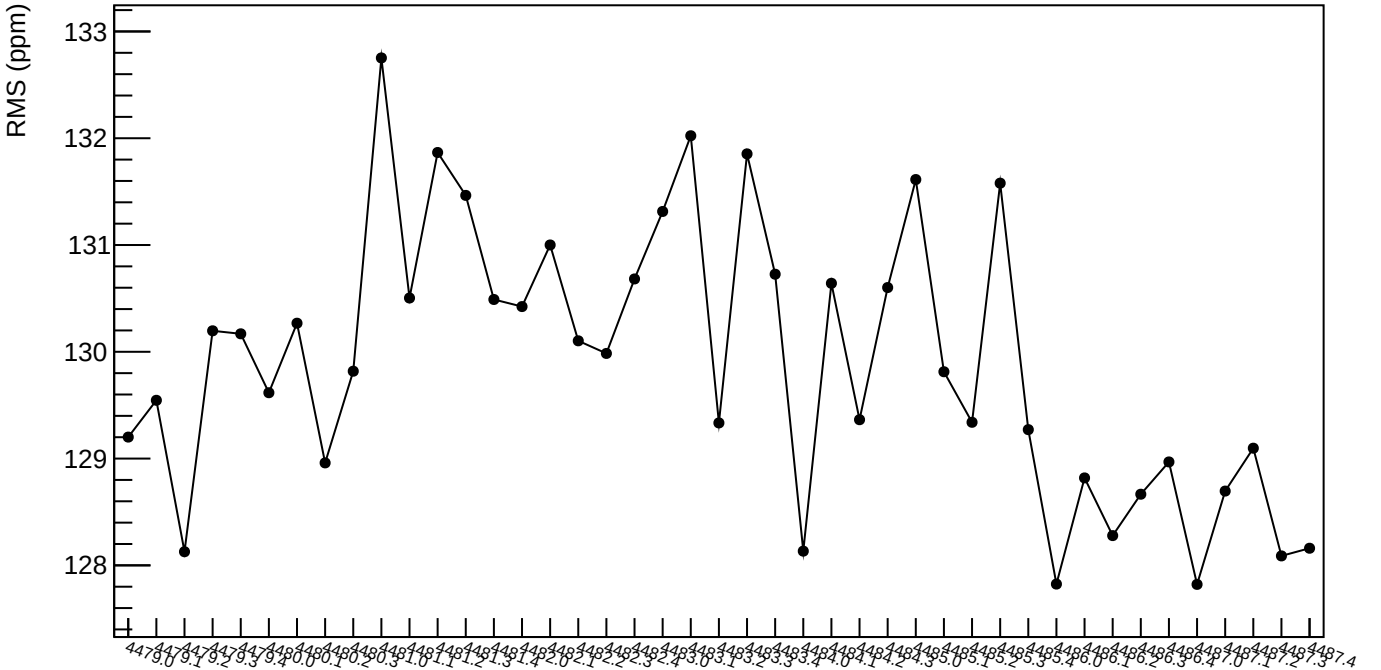
lagr_asym_us_dd RMS (ppm)

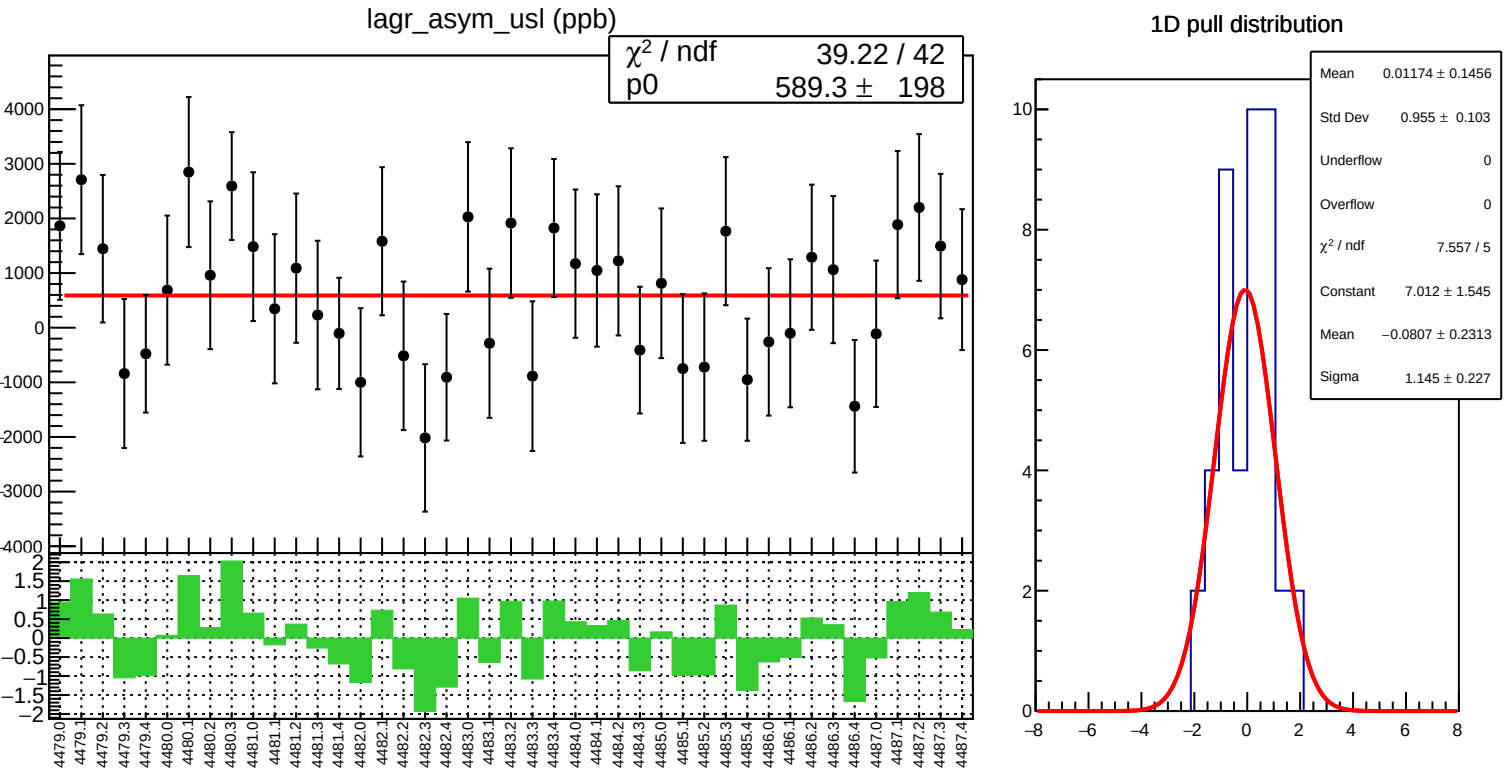


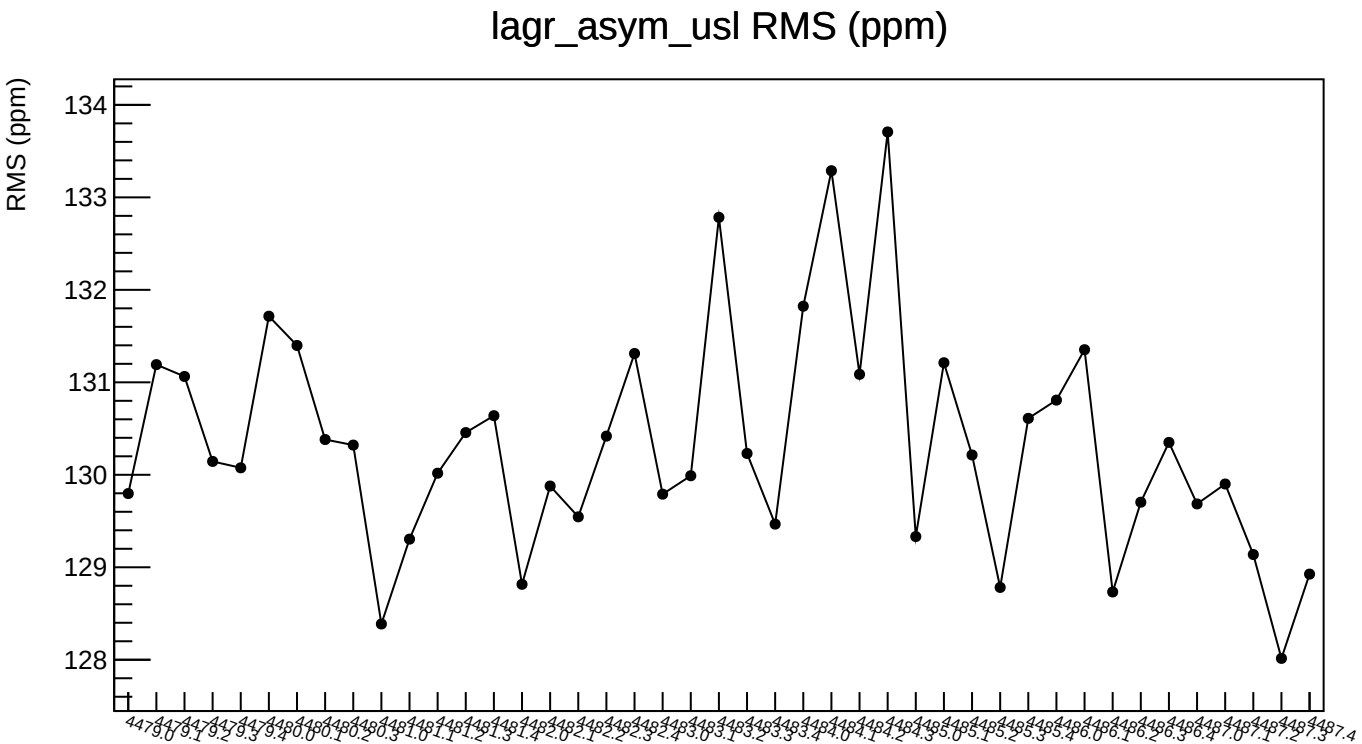

lagr_asym_usr (ppb)
χ² / ndf 48.95 / 42
p0 −16.75 ± 198.8
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

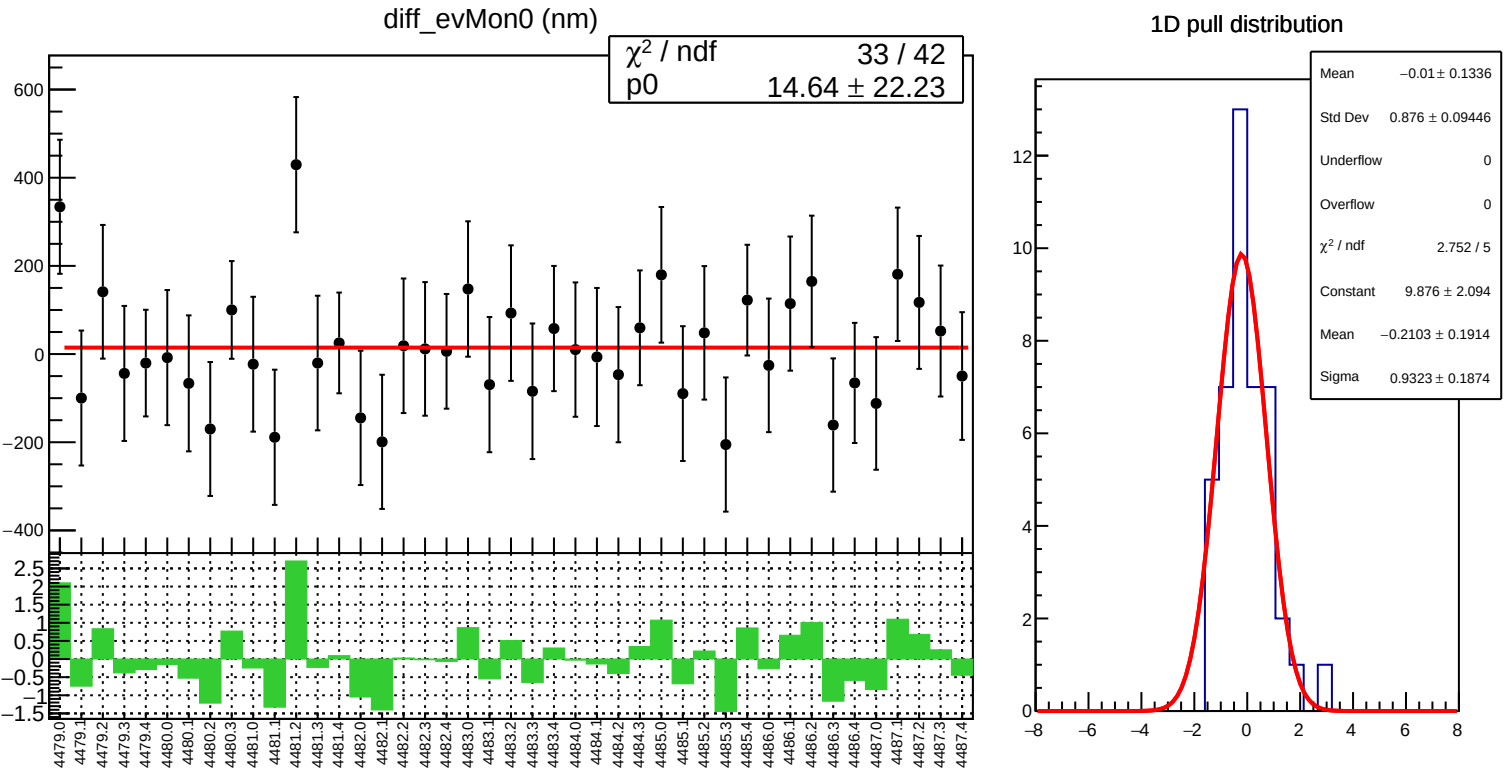

1D pull distribution
Mean −0.0124 ± 0.1627
Std Dev 1.067 ± 0.115
Underflow 0
Overflow 0
χ² / ndf 5.413 / 6
Constant 6.587 ± 1.477
Mean 0.181 ± 0.263
Sigma 1.326 ± 0.291
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

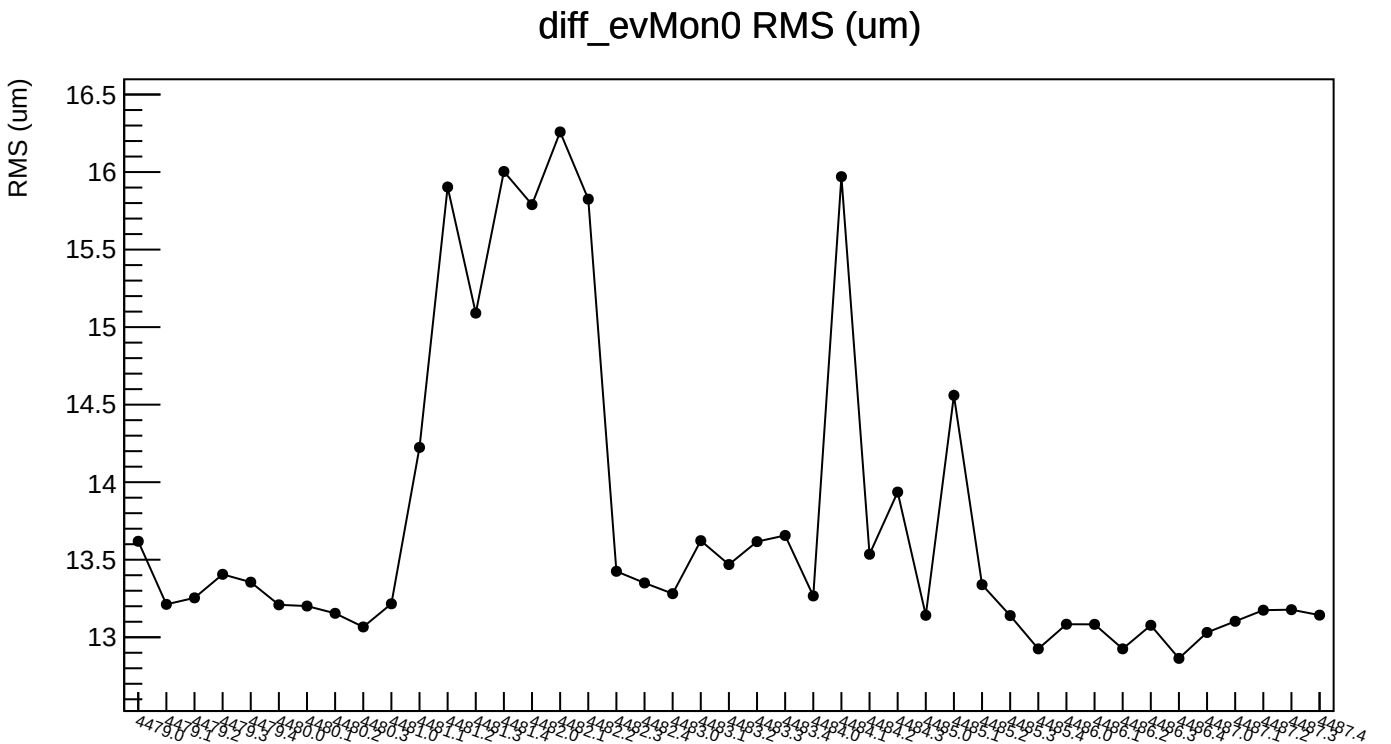
lagr_asym_usr RMS (ppm)

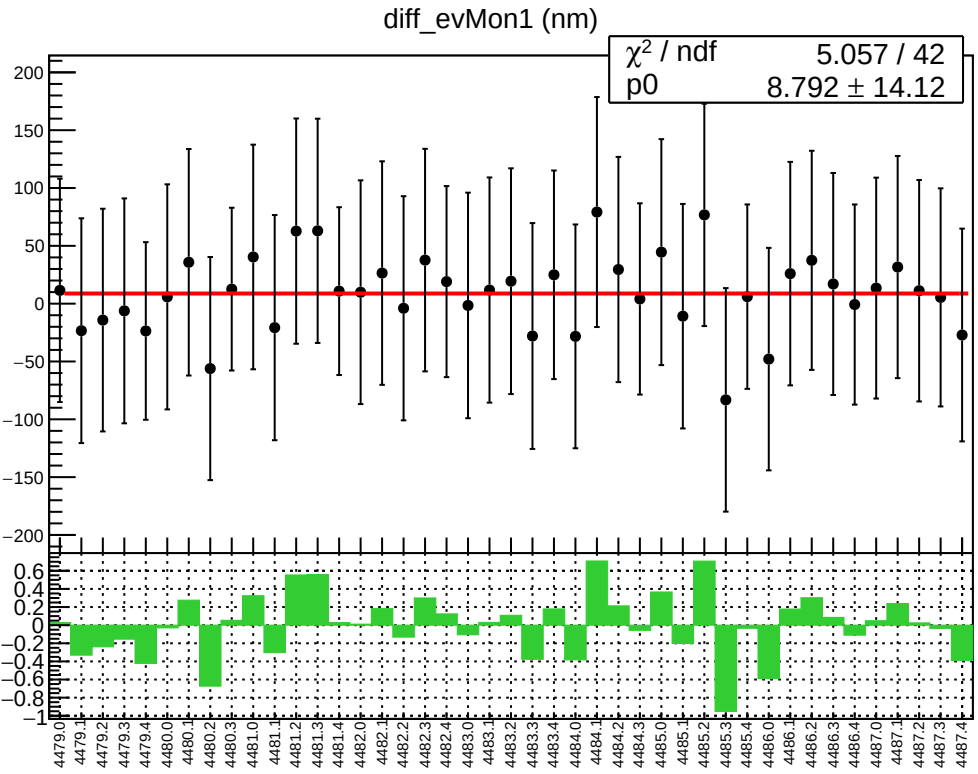


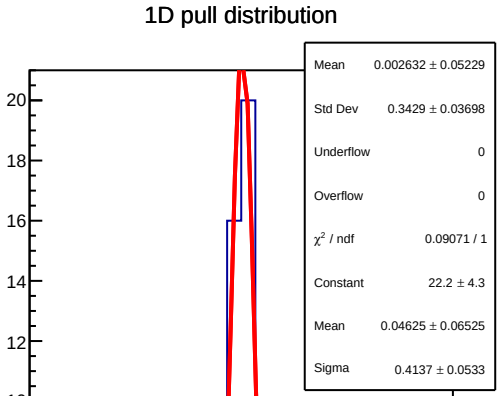

lagr_asym_usl (ppb)
χ² / ndf 39.22 / 42
p0 589.3 ± 198
1D pull distribution
Mean 0.01174 ± 0.1456
Std Dev 0.955 ± 0.103
Underflow 0
Overflow 0
χ² / ndf 7.557 / 5
Constant 7.012 ± 1.545
Mean −0.0807 ± 0.2313
Sigma 1.145 ± 0.227


lagr_asym_usl RMS (ppm)
RMS (ppm)
134
133
132
131
130
129
128

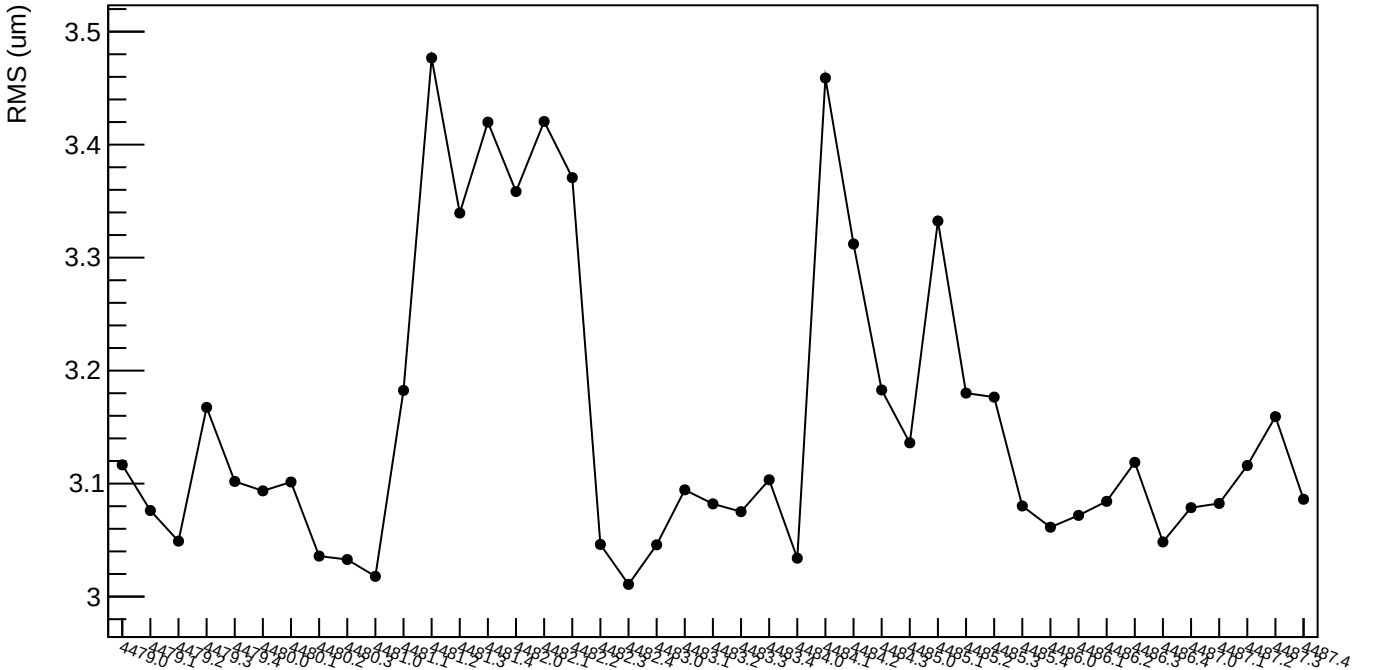

diff_evMon0 (nm)
χ² / ndf 33 / 42
p0 14.64 ± 22.23
1D pull distribution
Mean −0.01 ± 0.1336
Std Dev 0.876 ± 0.09446
Underflow 0
Overflow 0
χ² / ndf 2.752 / 5
Constant 9.876 ± 2.094
Mean −0.2103 ± 0.1914
Sigma 0.9323 ± 0.1874

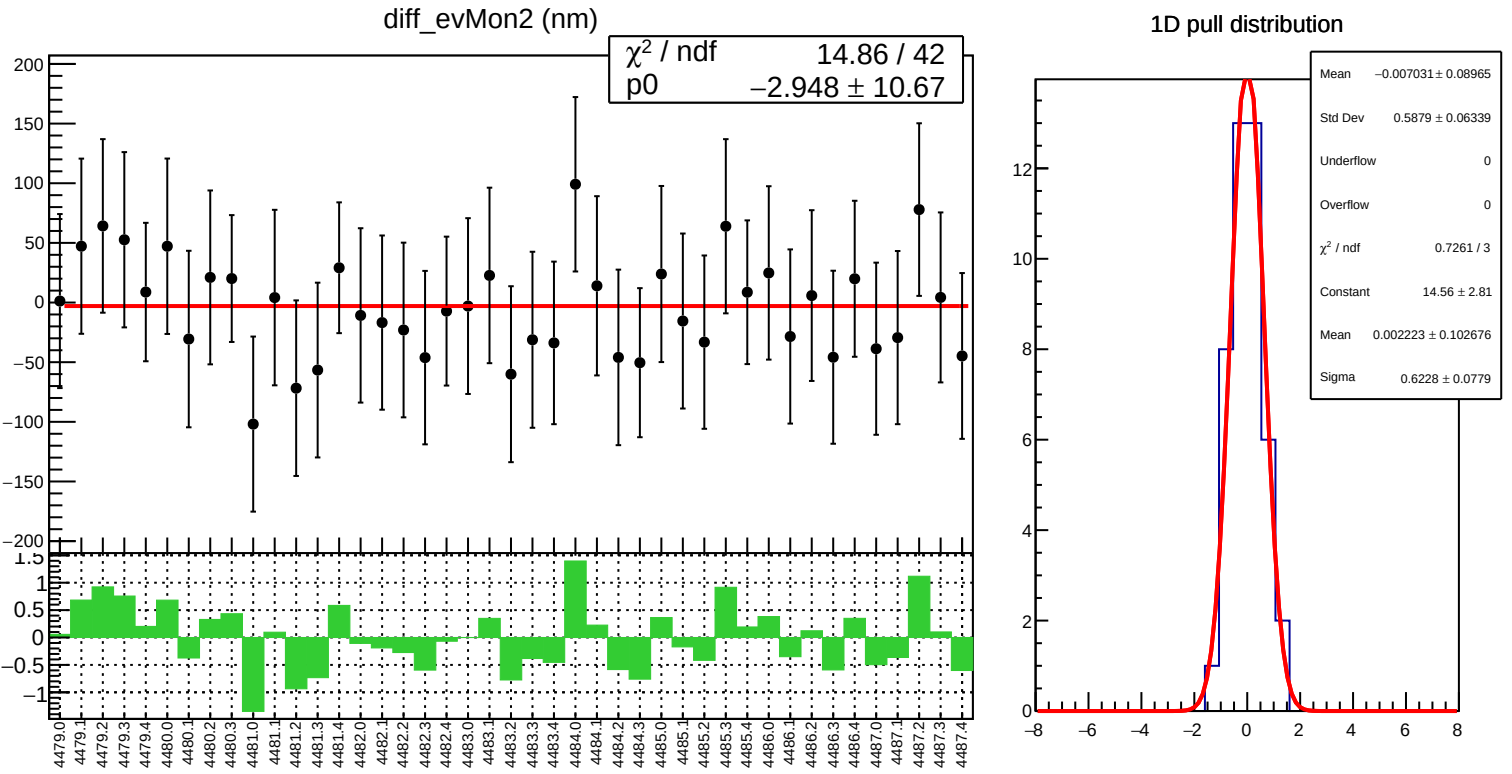

diff_evMon0 RMS (um)
RMS (um)
16.5
16
15.5
15
14.5
14
13.5
13

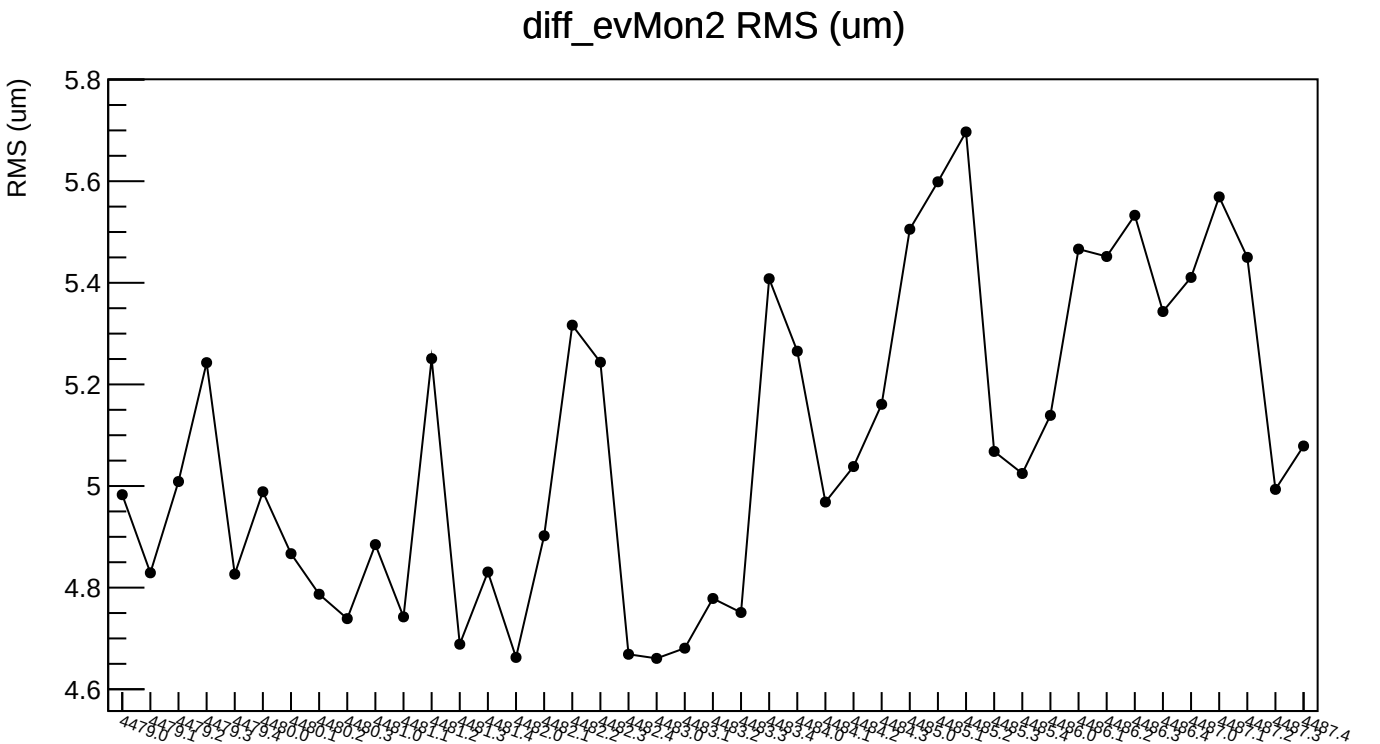

diff_evMon1 (nm)
χ² / ndf 5.057 / 42
p0 8.792 ± 14.12

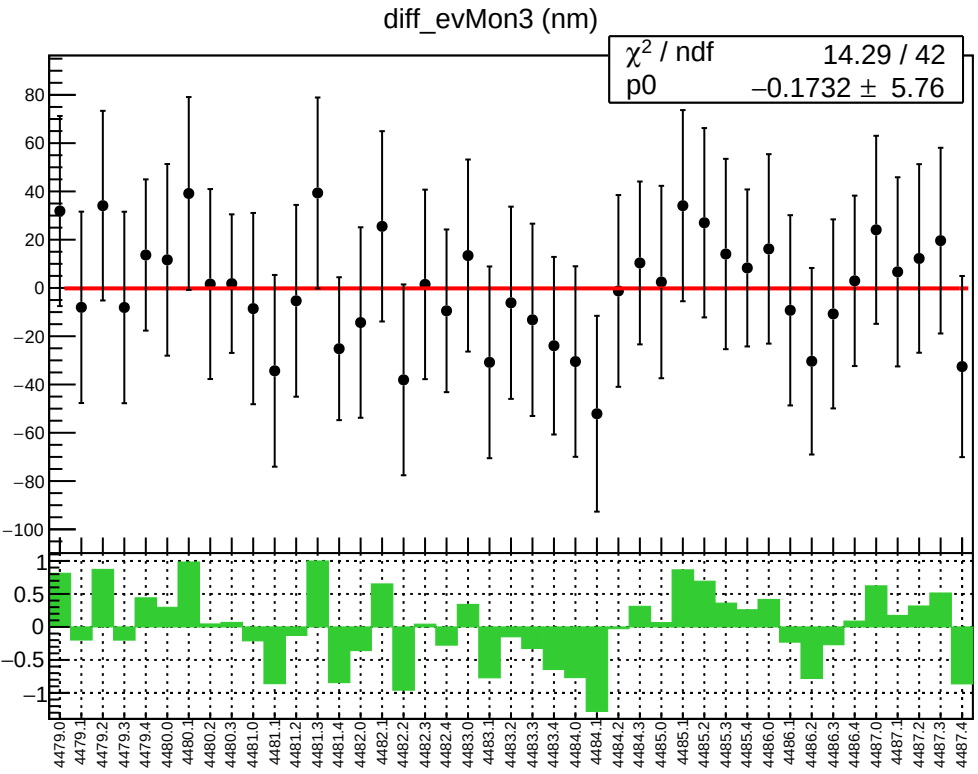

1D pull distribution
Mean 0.002632 ± 0.05229
Std Dev 0.3429 ± 0.03698
Underflow 0
Overflow 0
χ² / ndf 0.09071 / 1
Constant 22.2 ± 4.3
Mean 0.04625 ± 0.06525
Sigma 0.4137 ± 0.0533

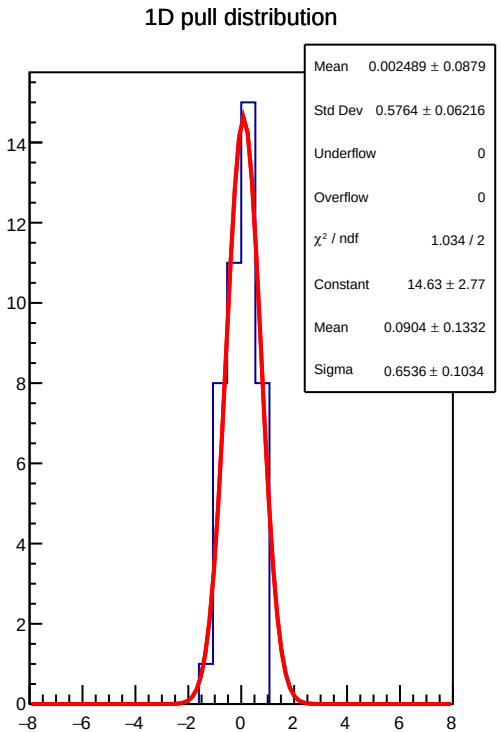
diff_evMon1 RMS (um)



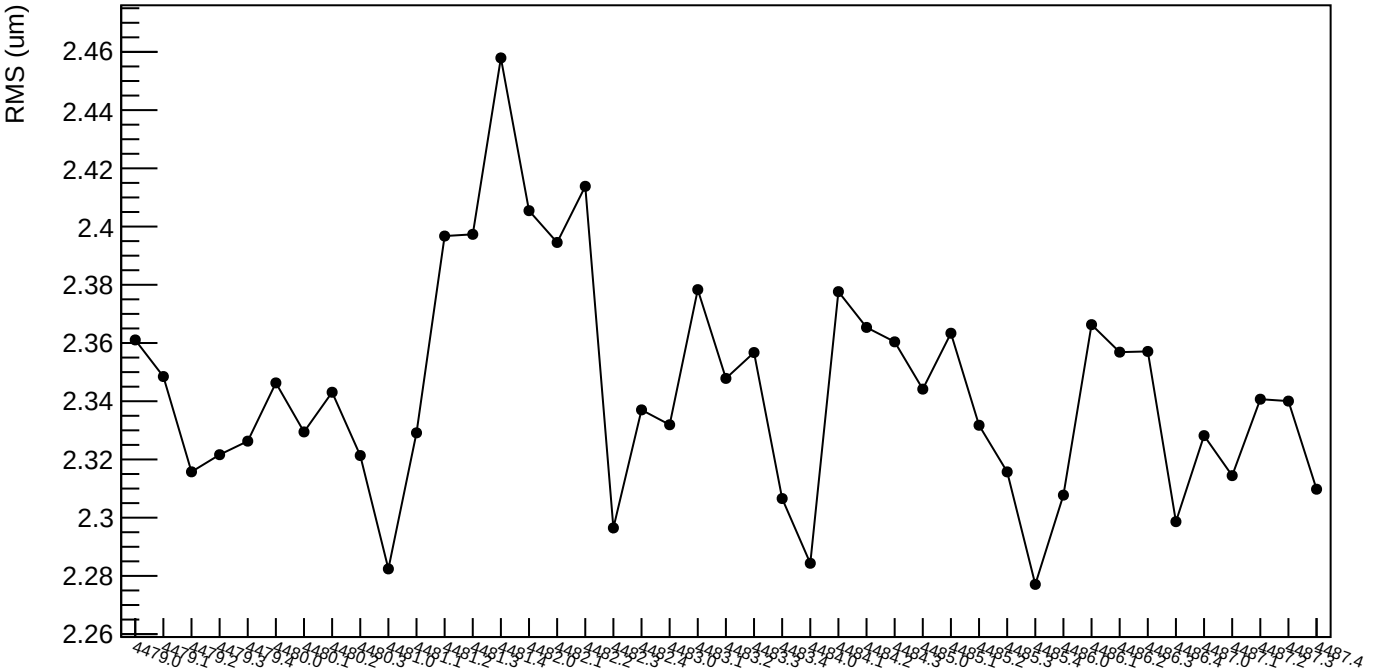

diff_evMon2 (nm)
χ² / ndf 14.86 / 42
p0 −2.948 ± 10.67
1D pull distribution
Mean −0.007031 ± 0.08965
Std Dev 0.5879 ± 0.06339
Underflow 0
Overflow 0
χ² / ndf 0.7261 / 3
Constant 14.56 ± 2.81
Mean 0.002223 ± 0.102676
Sigma 0.6228 ± 0.0779

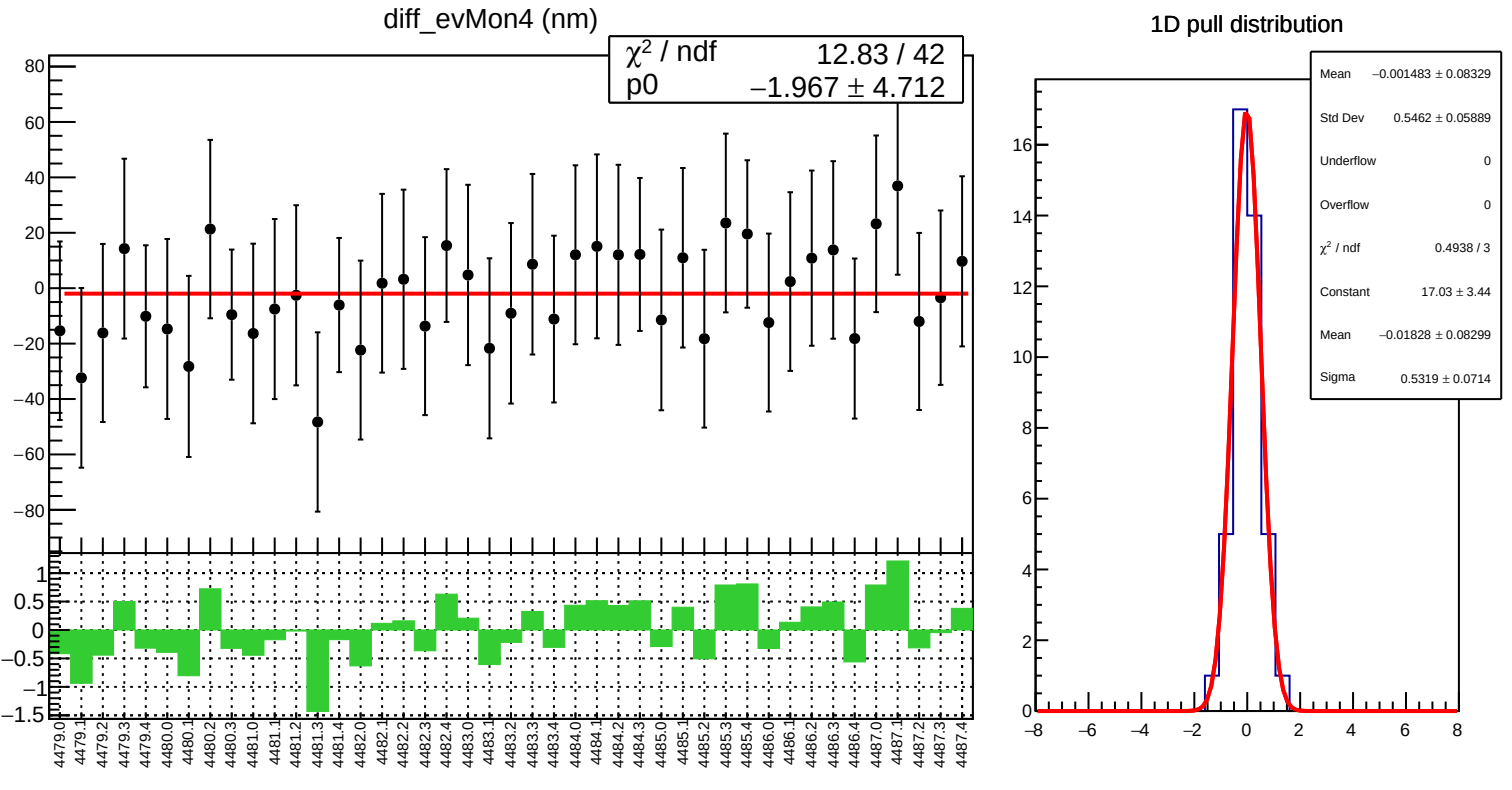

diff_evMon2 RMS (um)
RMS (um)
5.8
5.6
5.4
5.2
5
4.8
4.6


diff_evMon3 (nm)
χ² / ndf 14.29 / 42
p0 −0.1732 ± 5.76
80
60
40
20
0
−20
−40
−60
−80
−100
1
0.5
0
−0.5
−1
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

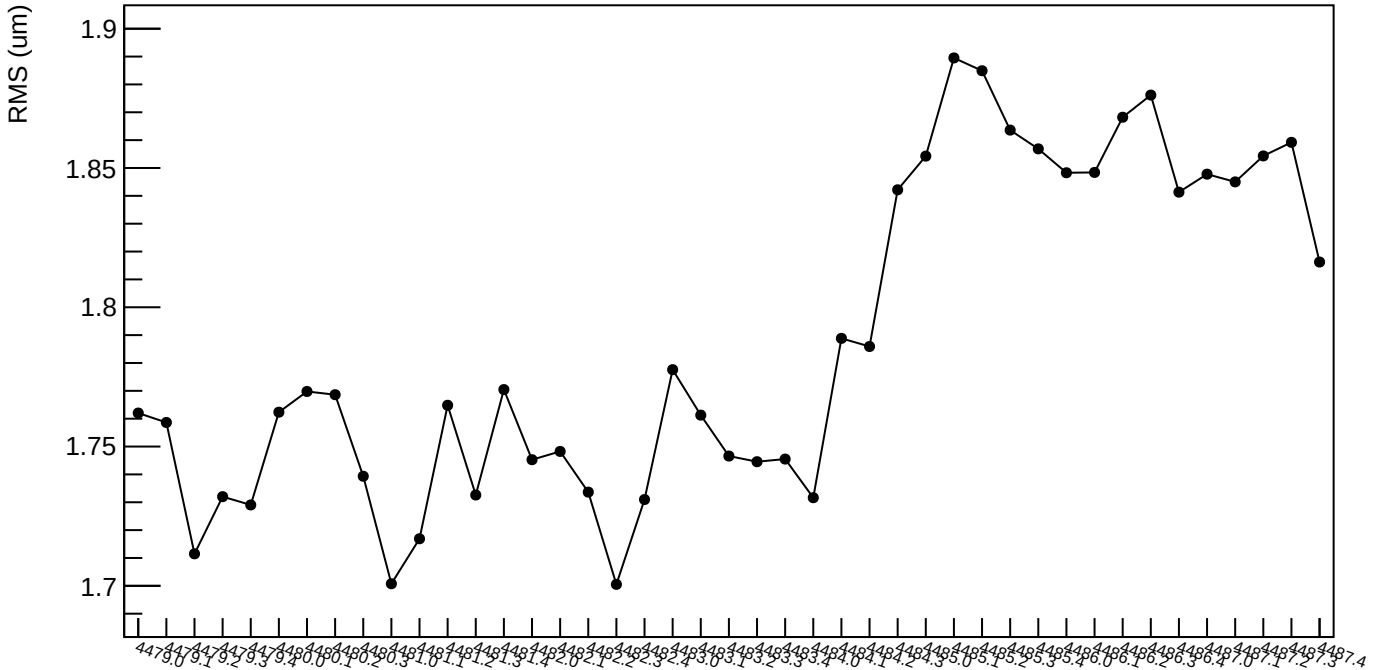

1D pull distribution
Mean 0.002489 ± 0.0879
Std Dev 0.5764 ± 0.06216
Underflow 0
Overflow 0
χ² / ndf 1.034 / 2
Constant 14.63 ± 2.77
Mean 0.0904 ± 0.1332
Sigma 0.6536 ± 0.1034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

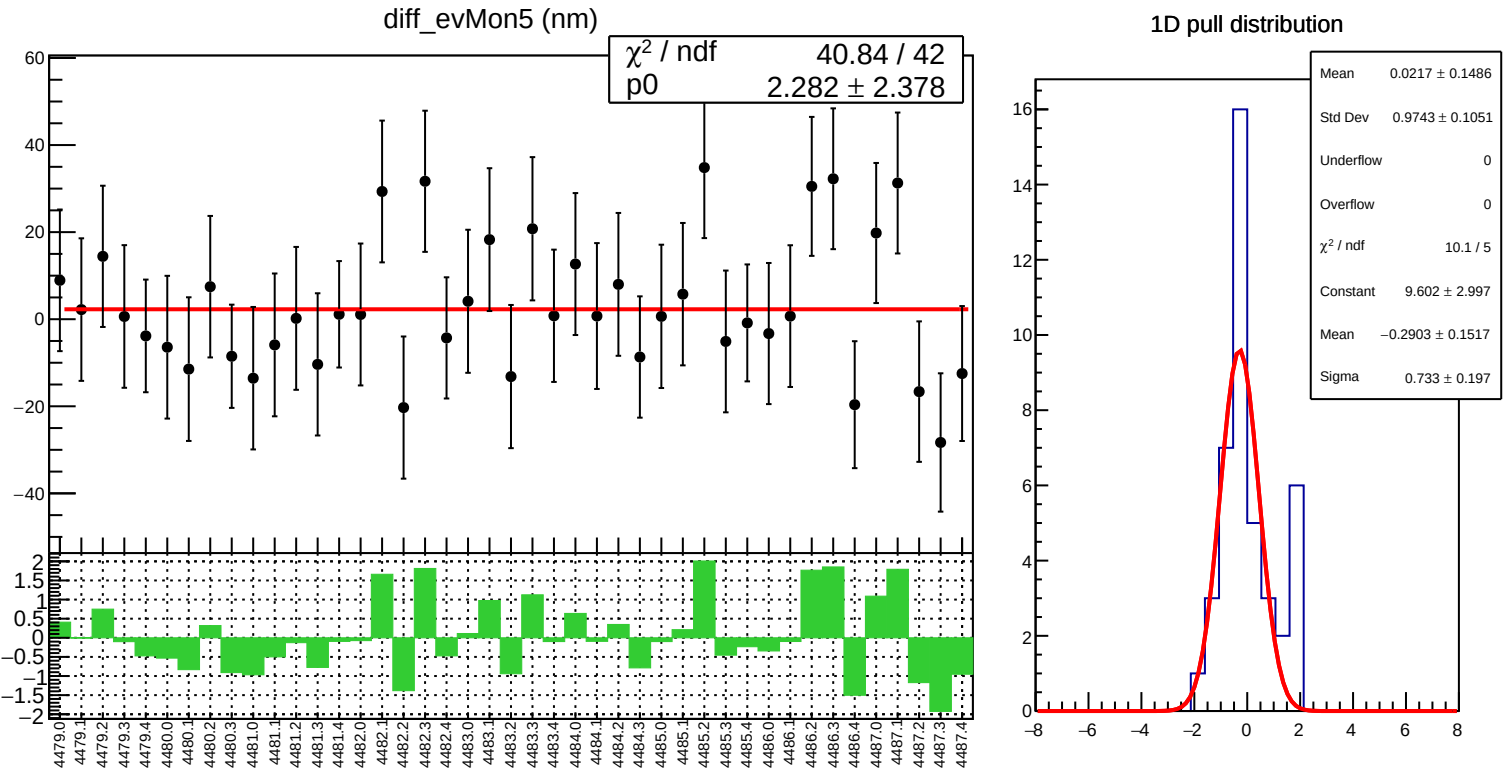
diff_evMon3 RMS (um)



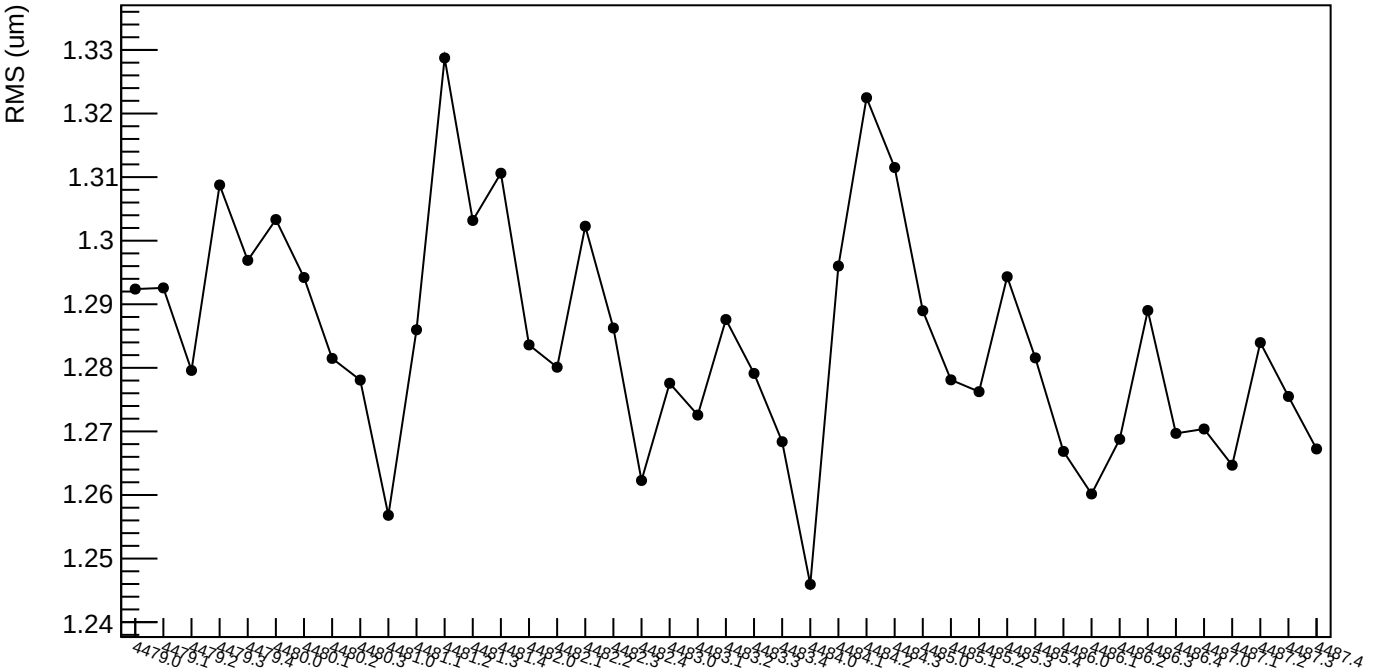

diff_evMon4 (nm)
χ² / ndf 12.83 / 42
p0 −1.967 ± 4.712
1D pull distribution
Mean −0.001483 ± 0.08329
Std Dev 0.5462 ± 0.05889
Underflow 0
Overflow 0
χ² / ndf 0.4938 / 3
Constant 17.03 ± 3.44
Mean −0.01828 ± 0.08299
Sigma 0.5319 ± 0.0714

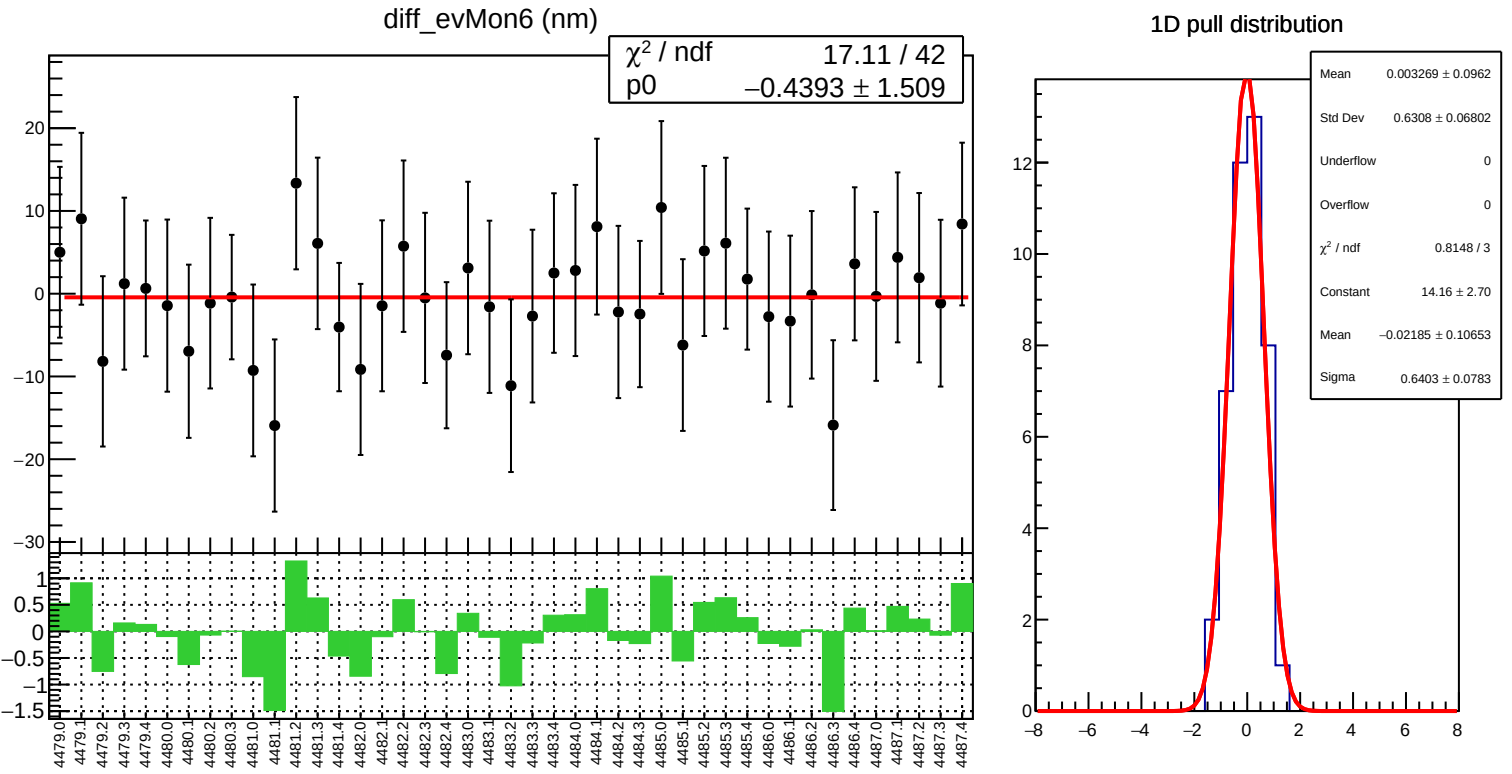
diff_evMon4 RMS (um)



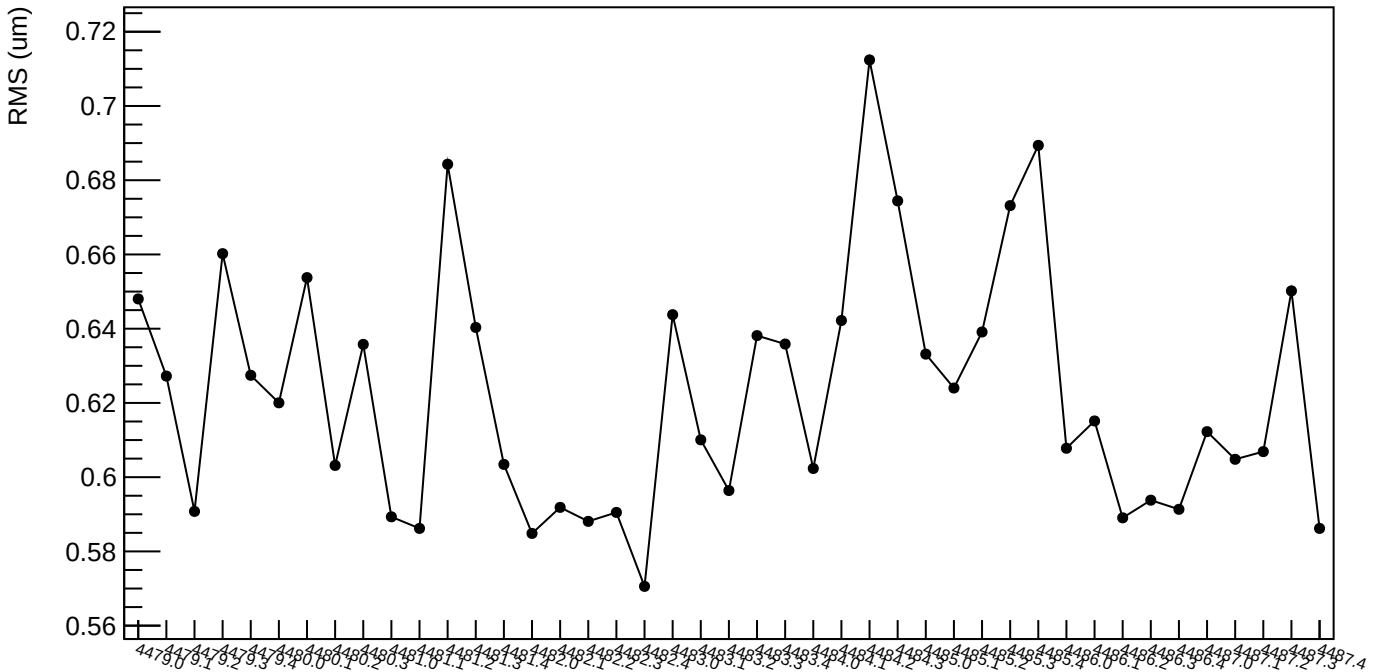

diff_evMon5 (nm)
χ² / ndf 40.84 / 42
p0 2.282 ± 2.378
1D pull distribution
Mean 0.0217 ± 0.1486
Std Dev 0.9743 ± 0.1051
Underflow 0
Overflow 0
χ² / ndf 10.1 / 5
Constant 9.602 ± 2.997
Mean −0.2903 ± 0.1517
Sigma 0.733 ± 0.197

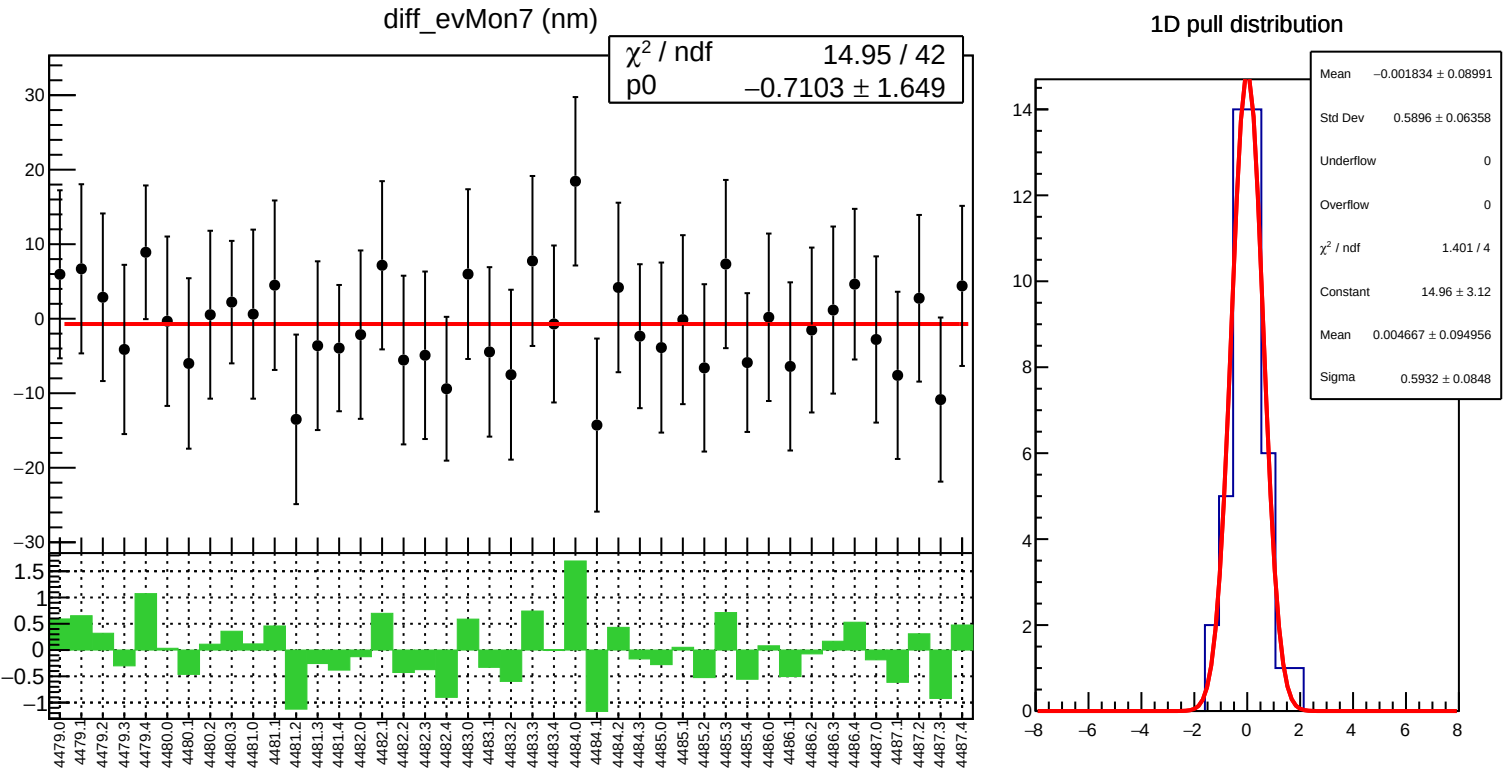
diff_evMon5 RMS (um)



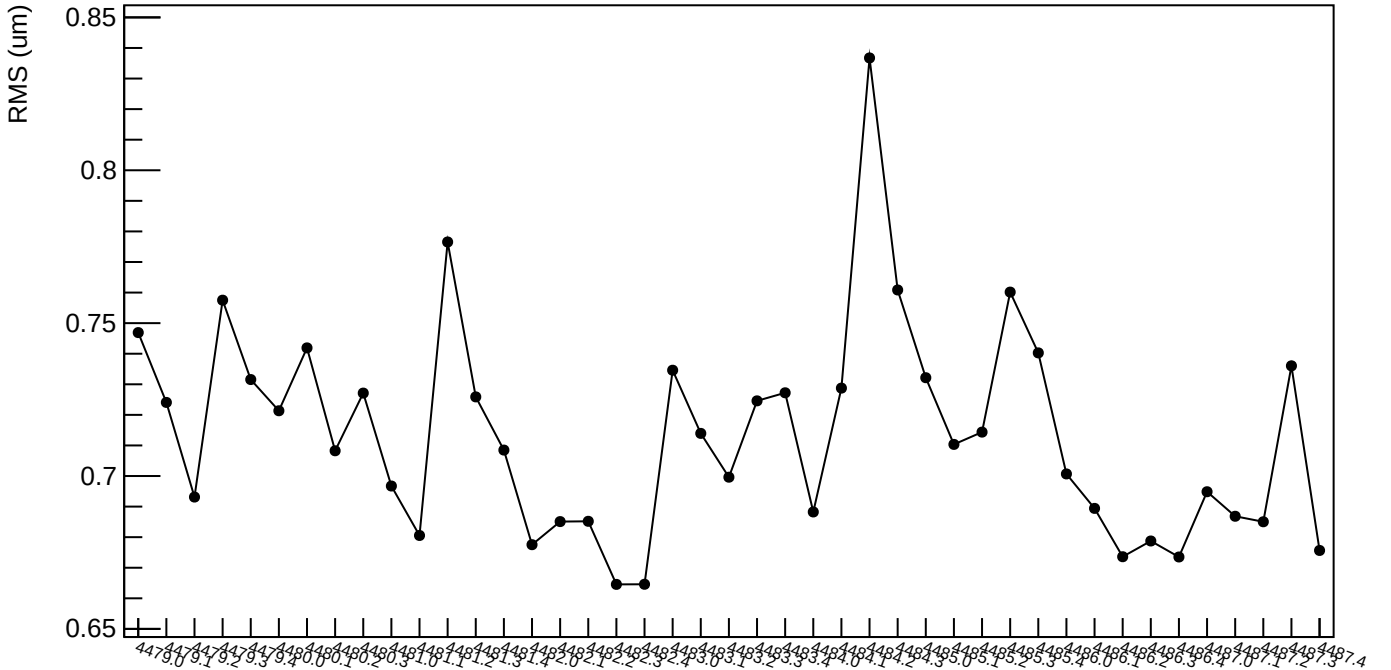

diff_evMon6 (nm)
χ² / ndf 17.11 / 42
p0 −0.4393 ± 1.509
1D pull distribution
Mean 0.003269 ± 0.0962
Std Dev 0.6308 ± 0.06802
Underflow 0
Overflow 0
χ² / ndf 0.8148 / 3
Constant 14.16 ± 2.70
Mean −0.02185 ± 0.10653
Sigma 0.6403 ± 0.0783

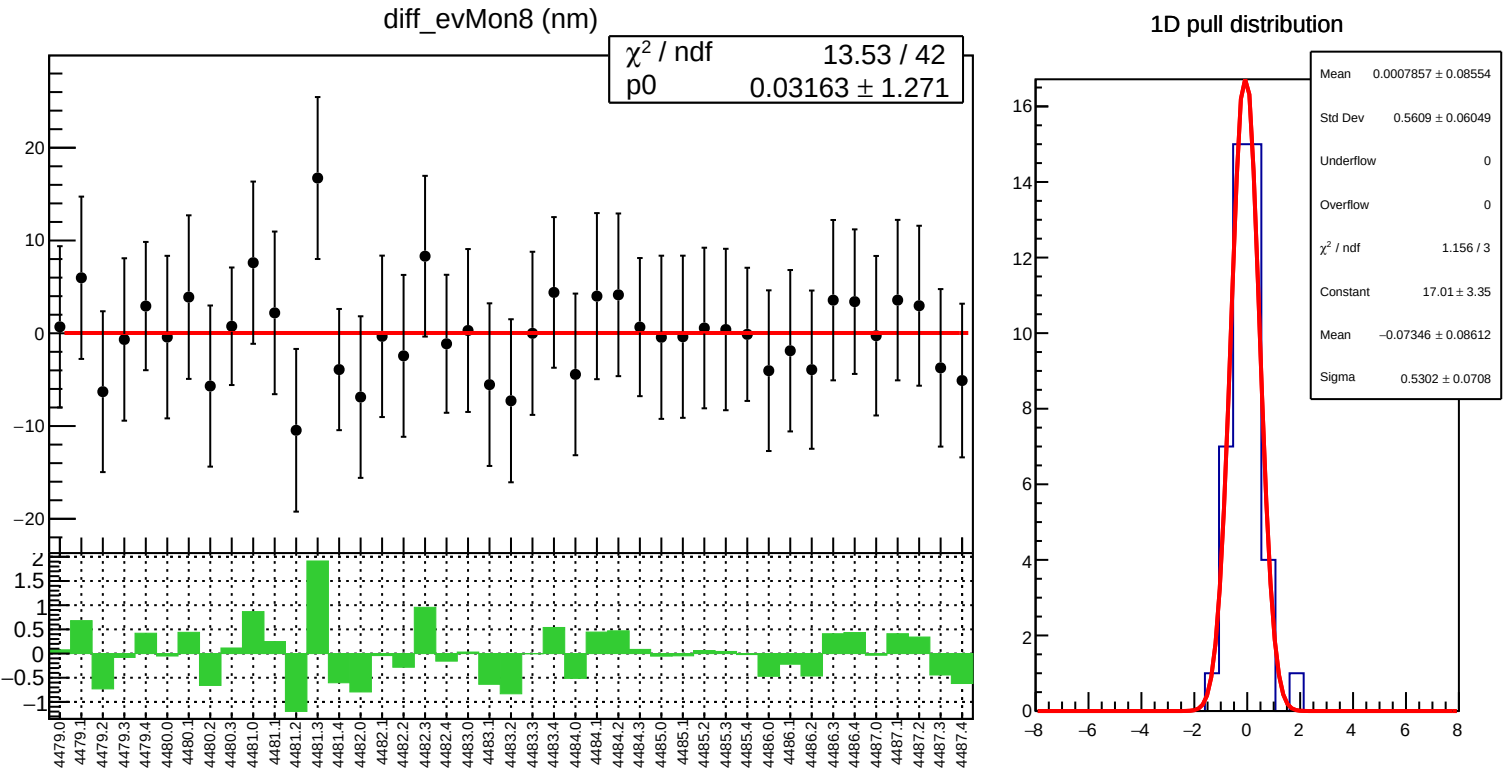
diff_evMon6 RMS (um)

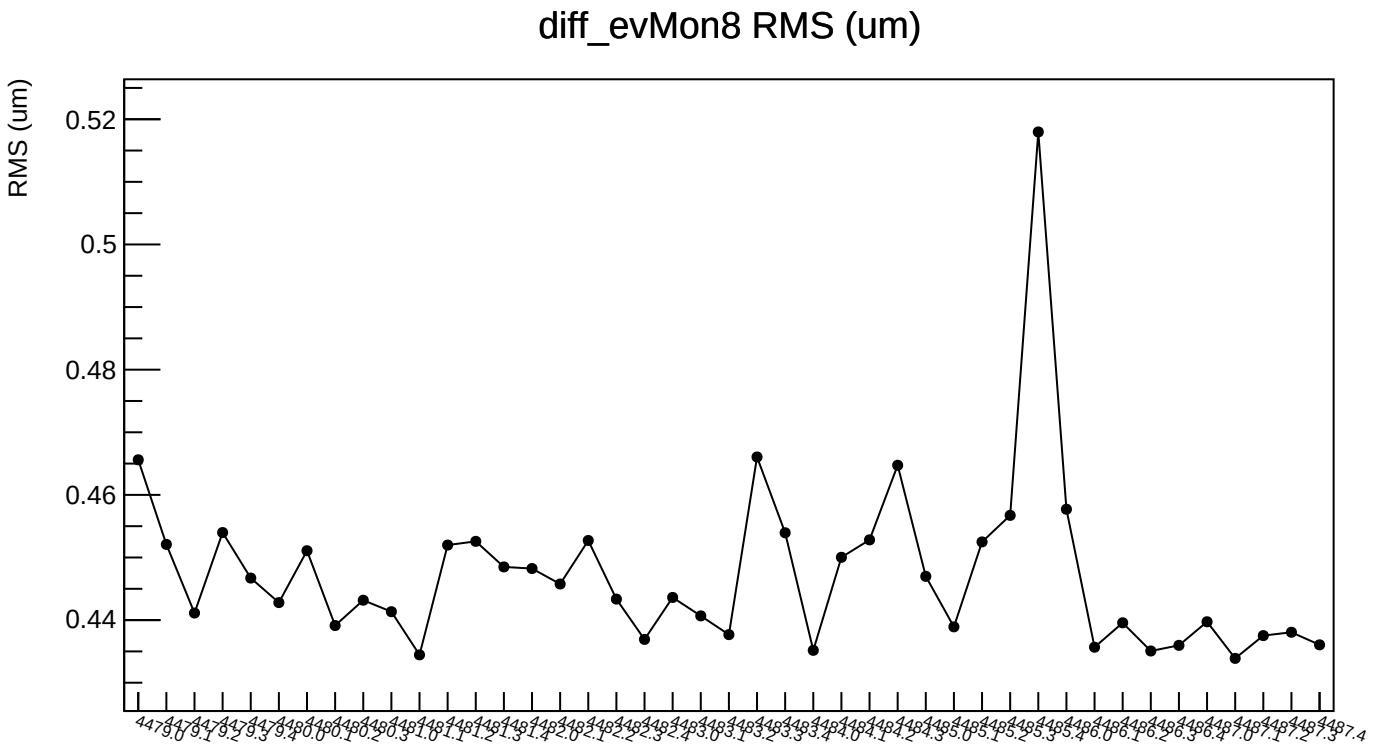


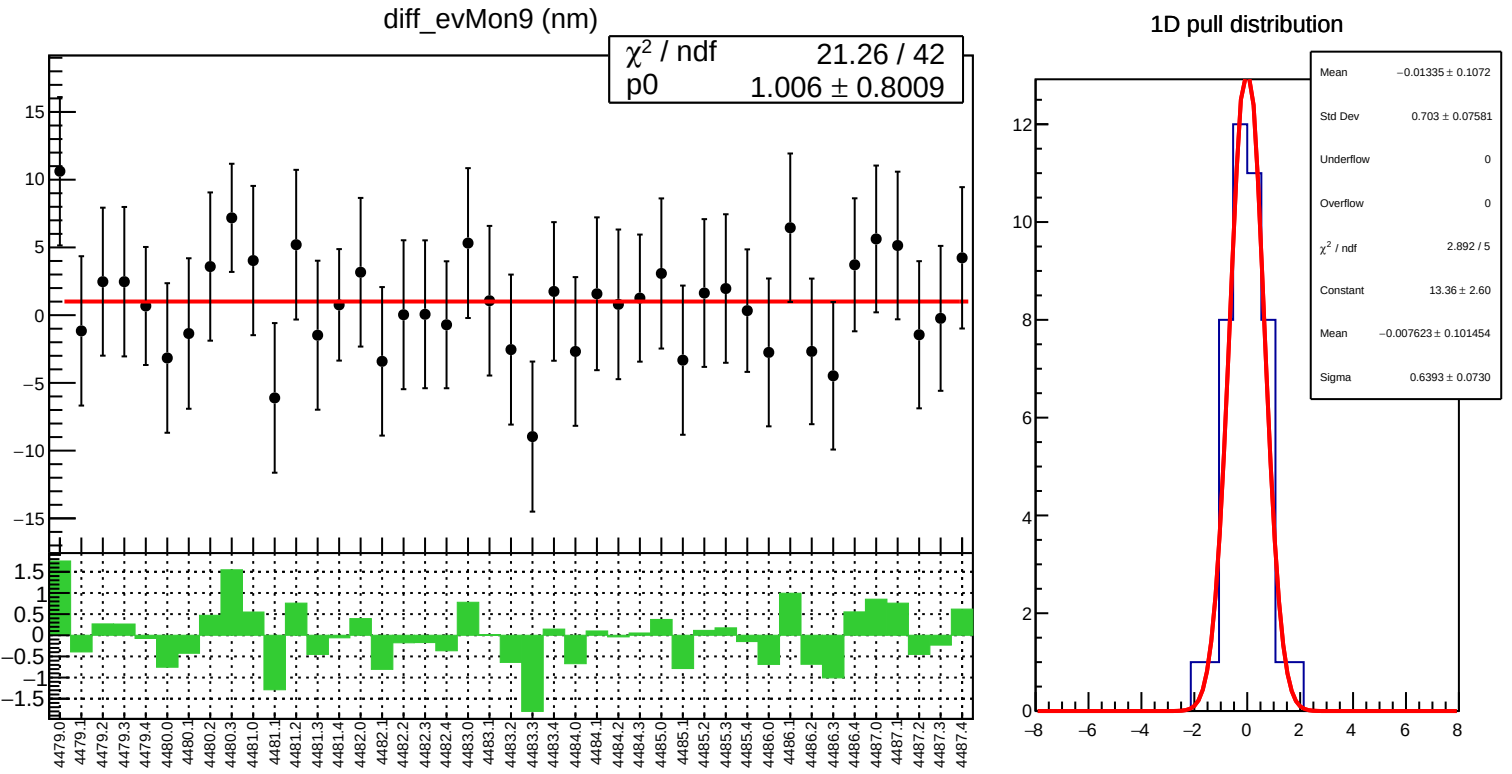

diff_evMon7 (nm)
χ² / ndf 14.95 / 42
p0 −0.7103 ± 1.649
1D pull distribution
Mean −0.001834 ± 0.08991
Std Dev 0.5896 ± 0.06358
Underflow 0
Overflow 0
χ² / ndf 1.401 / 4
Constant 14.96 ± 3.12
Mean 0.004667 ± 0.094956
Sigma 0.5932 ± 0.0848

diff_evMon7 RMS (um)

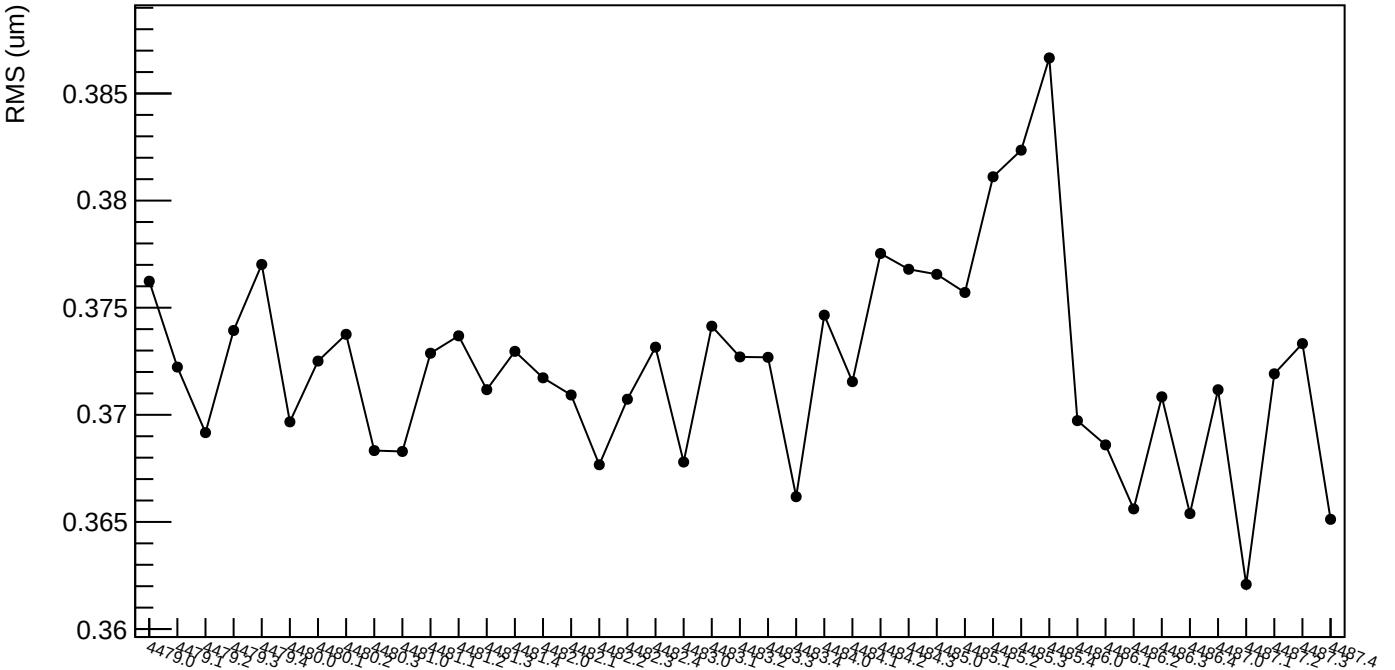


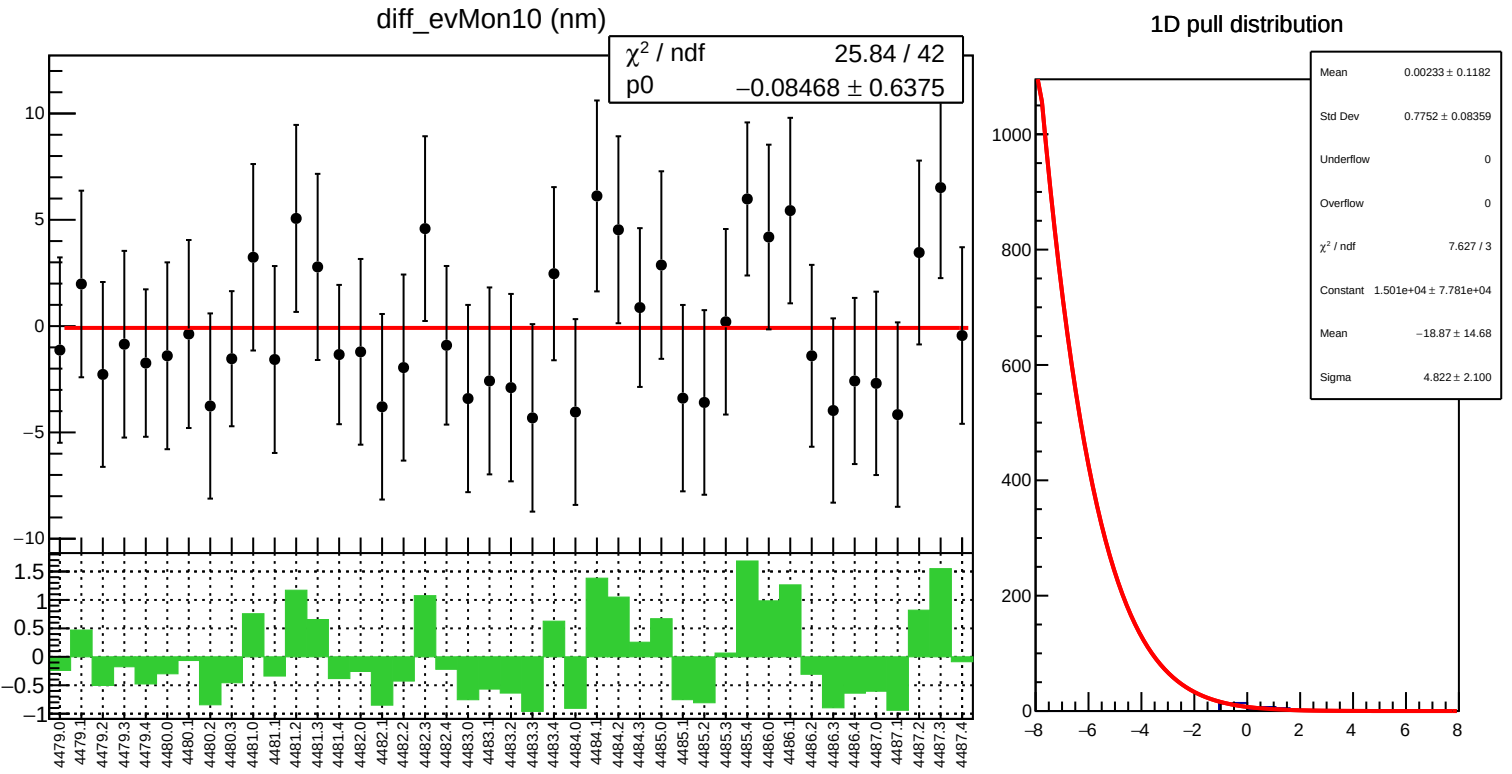

diff_evMon8 (nm)
χ² / ndf 13.53 / 42
p0 0.03163 ± 1.271
1D pull distribution
Mean 0.0007857 ± 0.08554
Std Dev 0.5609 ± 0.06049
Underflow 0
Overflow 0
χ² / ndf 1.156 / 3
Constant 17.01 ± 3.35
Mean −0.07346 ± 0.08612
Sigma 0.5302 ± 0.0708


diff_evMon8 RMS (um)
RMS (um)
0.52
0.5
0.48
0.46
0.44

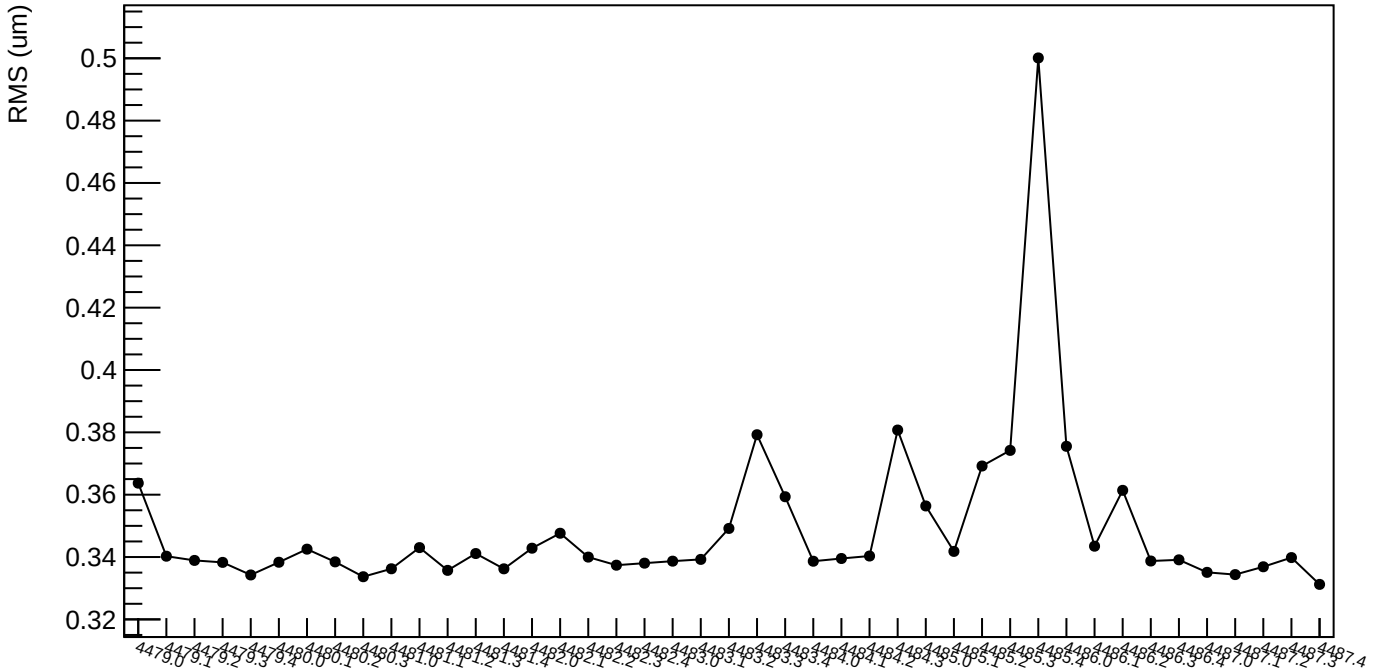

diff_evMon9 (nm)
χ² / ndf 21.26 / 42
p0 1.006 ± 0.8009
1D pull distribution
Mean −0.01335 ± 0.1072
Std Dev 0.703 ± 0.07581
Underflow 0
Overflow 0
χ² / ndf 2.892 / 5
Constant 13.36 ± 2.60
Mean −0.007623 ± 0.101454
Sigma 0.6393 ± 0.0730

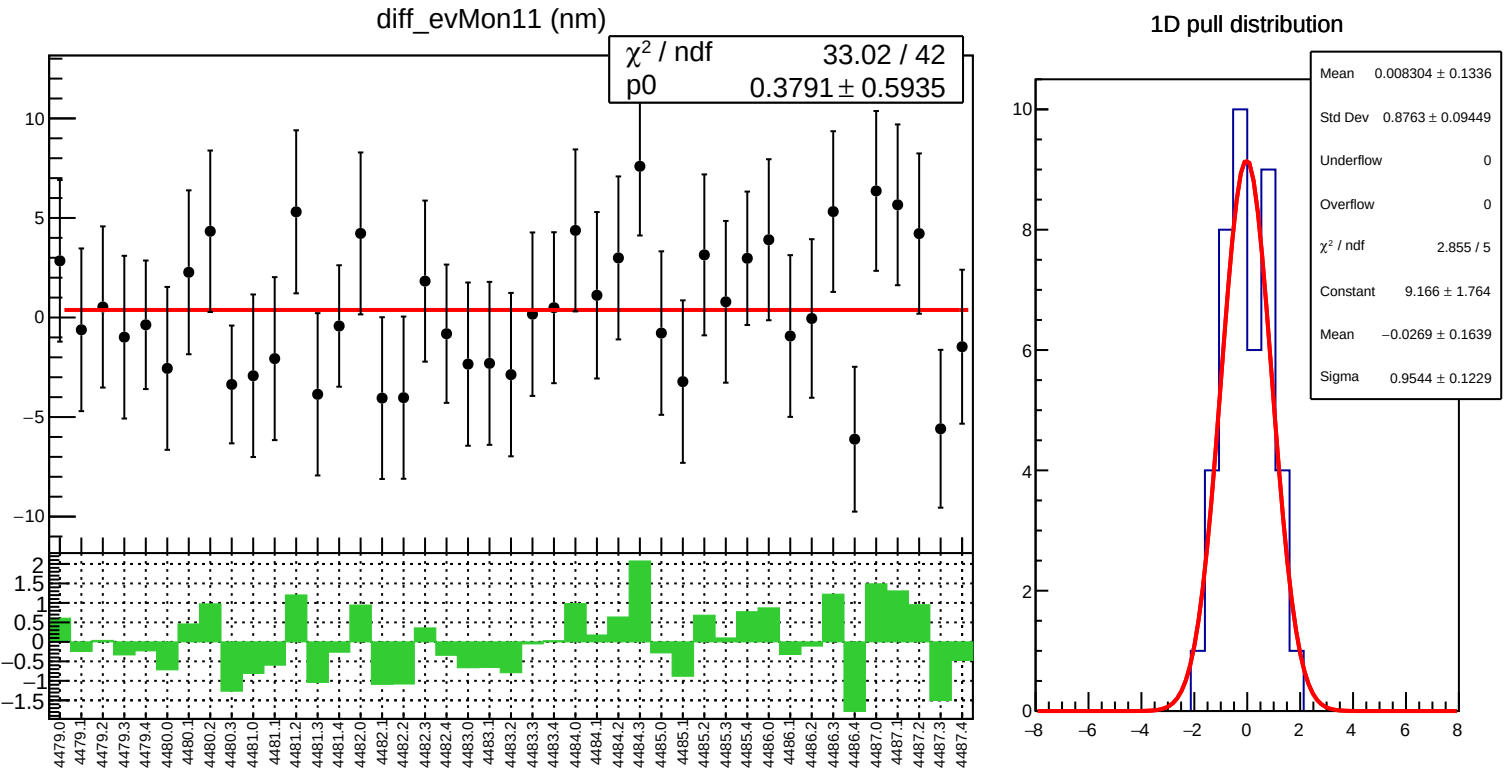
diff_evMon9 RMS (um)



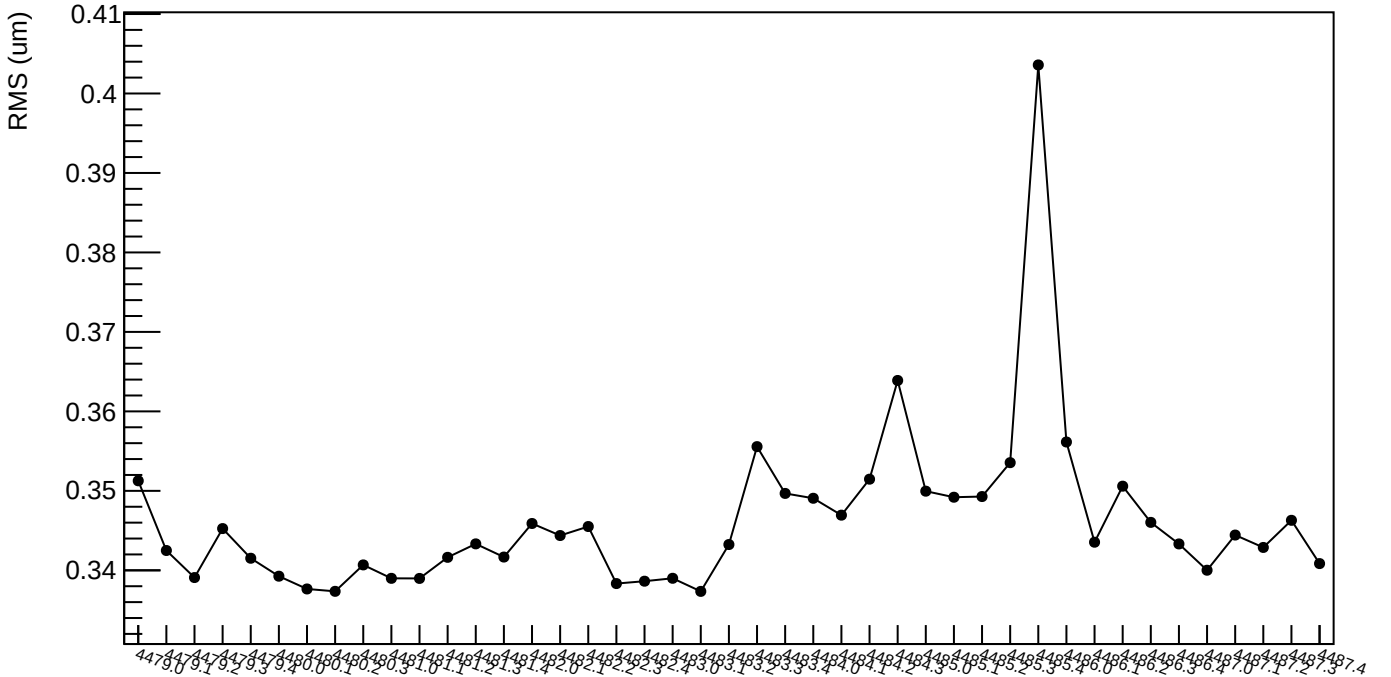

diff_evMon10 (nm)
χ² / ndf 25.84 / 42
p0 −0.08468 ± 0.6375
1D pull distribution
Mean 0.00233 ± 0.1182
Std Dev 0.7752 ± 0.08359
Underflow 0
Overflow 0
χ² / ndf 7.627 / 3
Constant 1.501e+04 ± 7.781e+04
Mean −18.87 ± 14.68
Sigma 4.822 ± 2.100

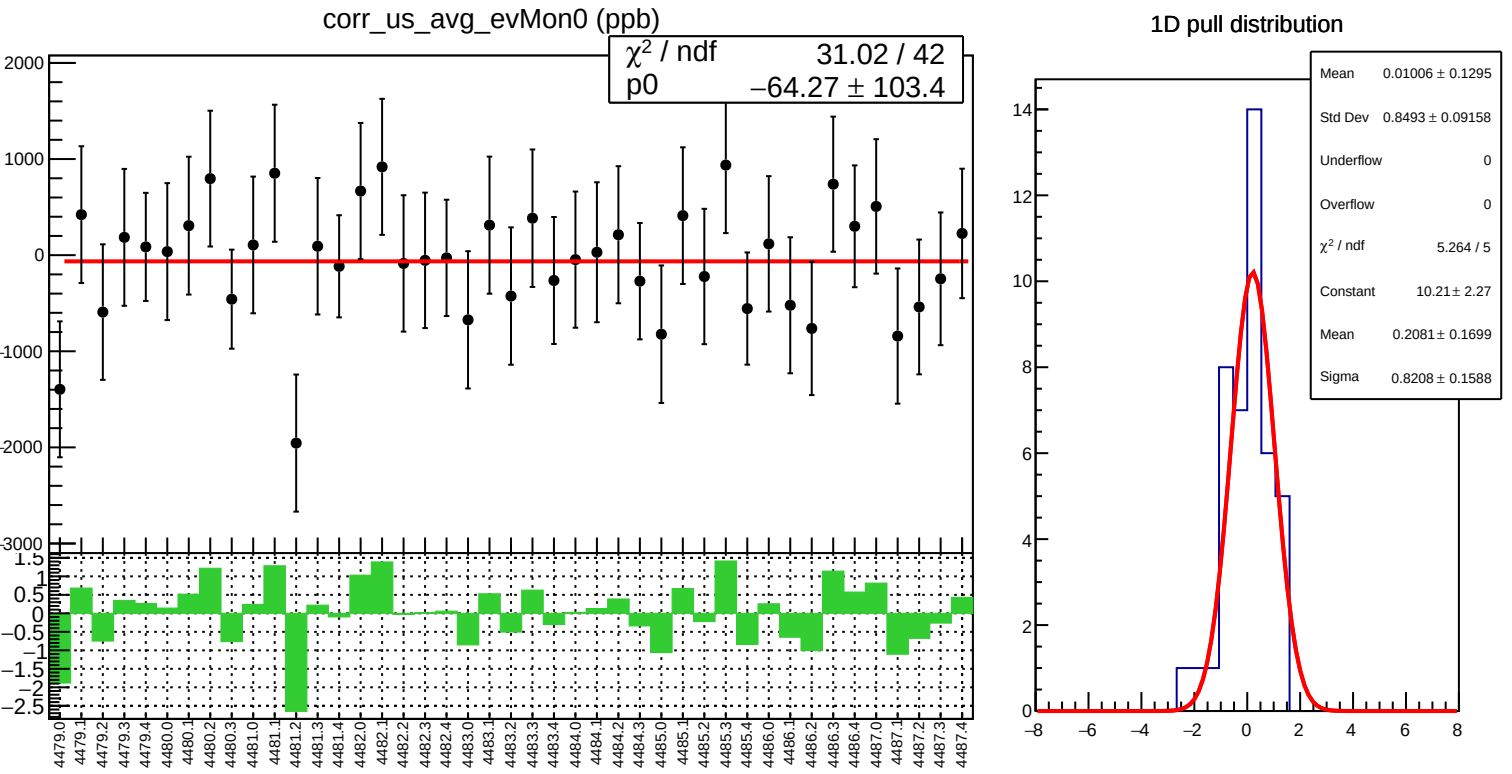
diff_evMon10 RMS (um)



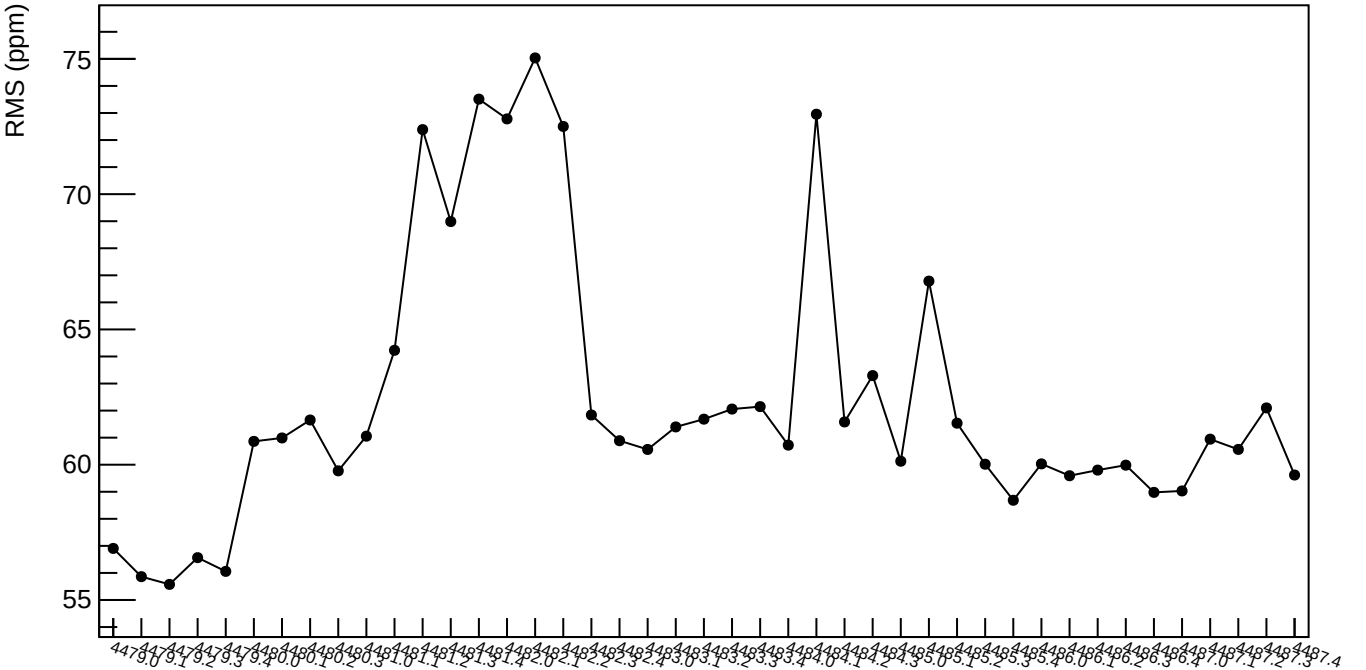

diff_evMon11 (nm)
χ² / ndf 33.02 / 42
p0 0.3791 ± 0.5935
1D pull distribution
Mean 0.008304 ± 0.1336
Std Dev 0.8763 ± 0.09449
Underflow 0
Overflow 0
χ² / ndf 2.855 / 5
Constant 9.166 ± 1.764
Mean −0.0269 ± 0.1639
Sigma 0.9544 ± 0.1229

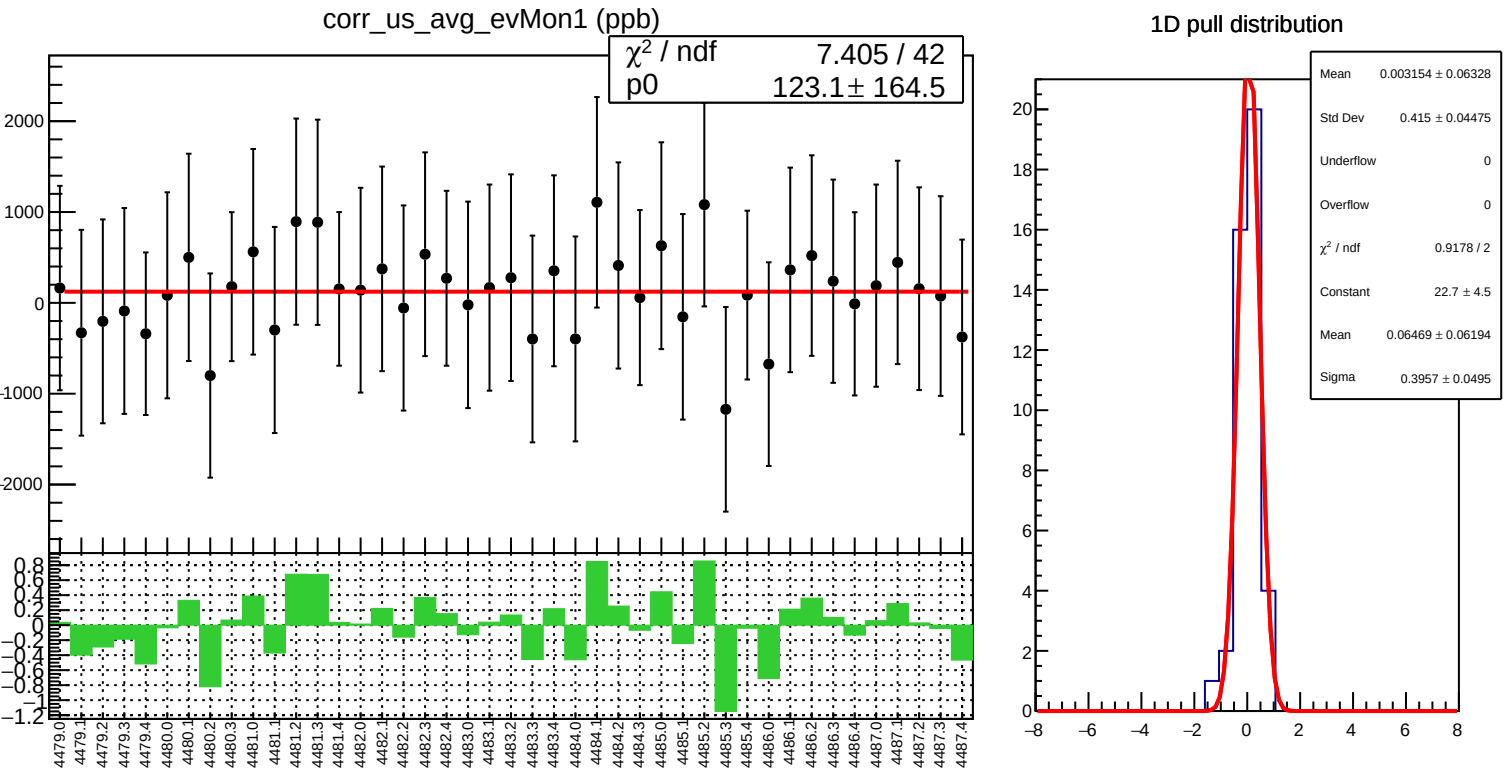
diff_evMon11 RMS (um)



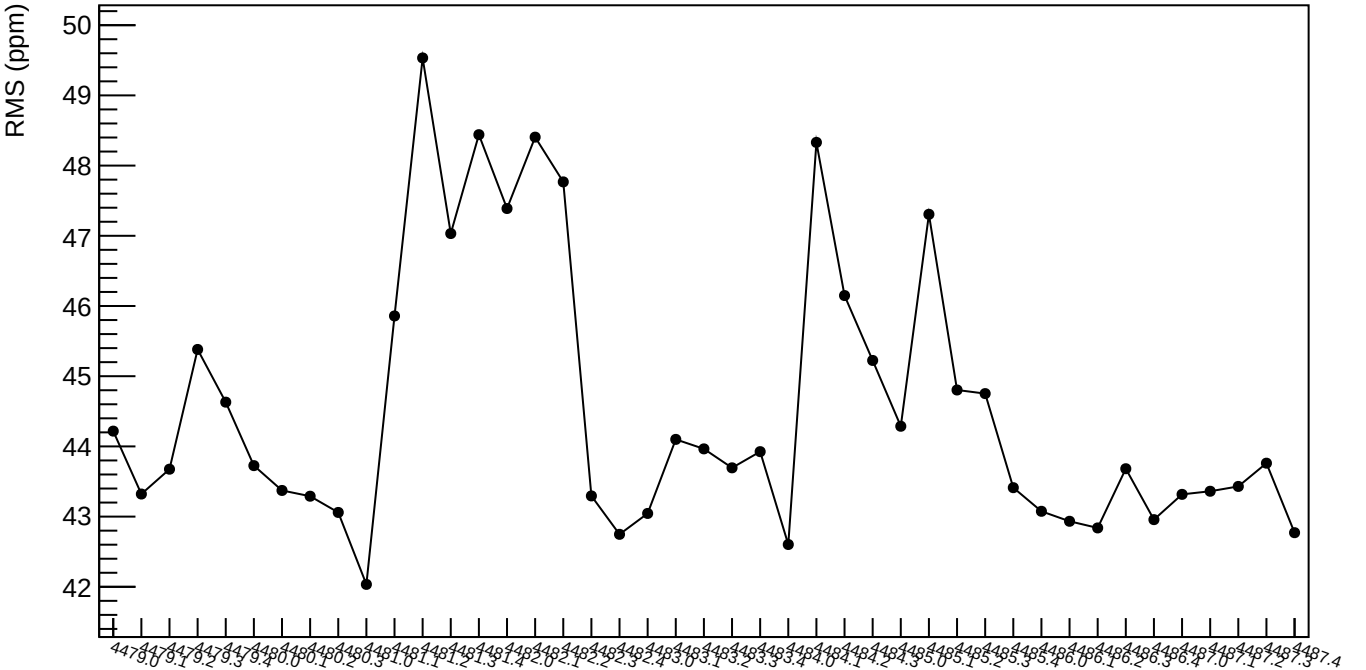

corr_us_avg_evMon0 (ppb)
χ^2 / ndf 31.02 / 42
p0 −64.27 ± 103.4
1D pull distribution
Mean 0.01006 ± 0.1295
Std Dev 0.8493 ± 0.09158
Underflow 0
Overflow 0
χ^2 / ndf 5.264 / 5
Constant 10.21 ± 2.27
Mean 0.2081 ± 0.1699
Sigma 0.8208 ± 0.1588

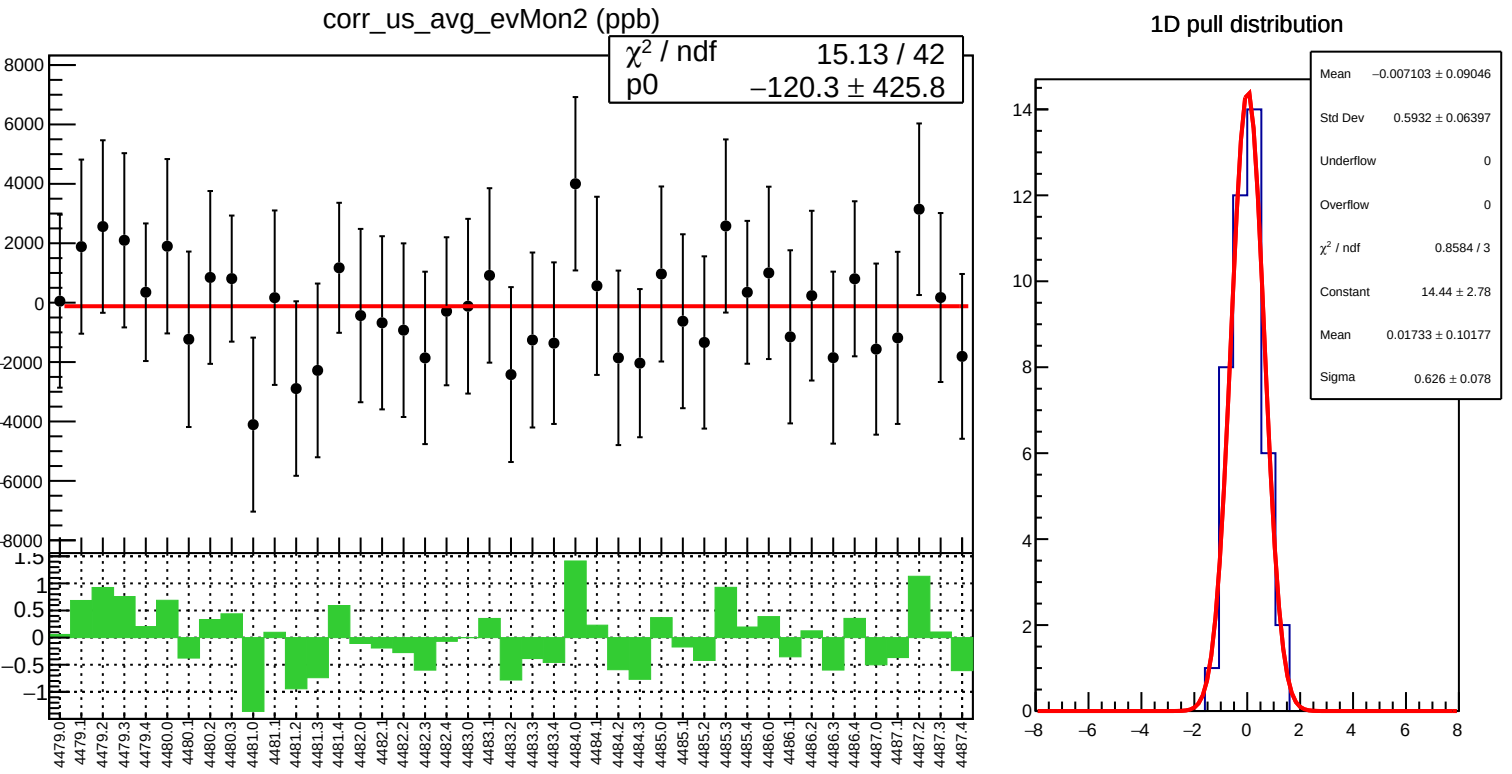
corr_us_avg_evMon0 RMS (ppm)



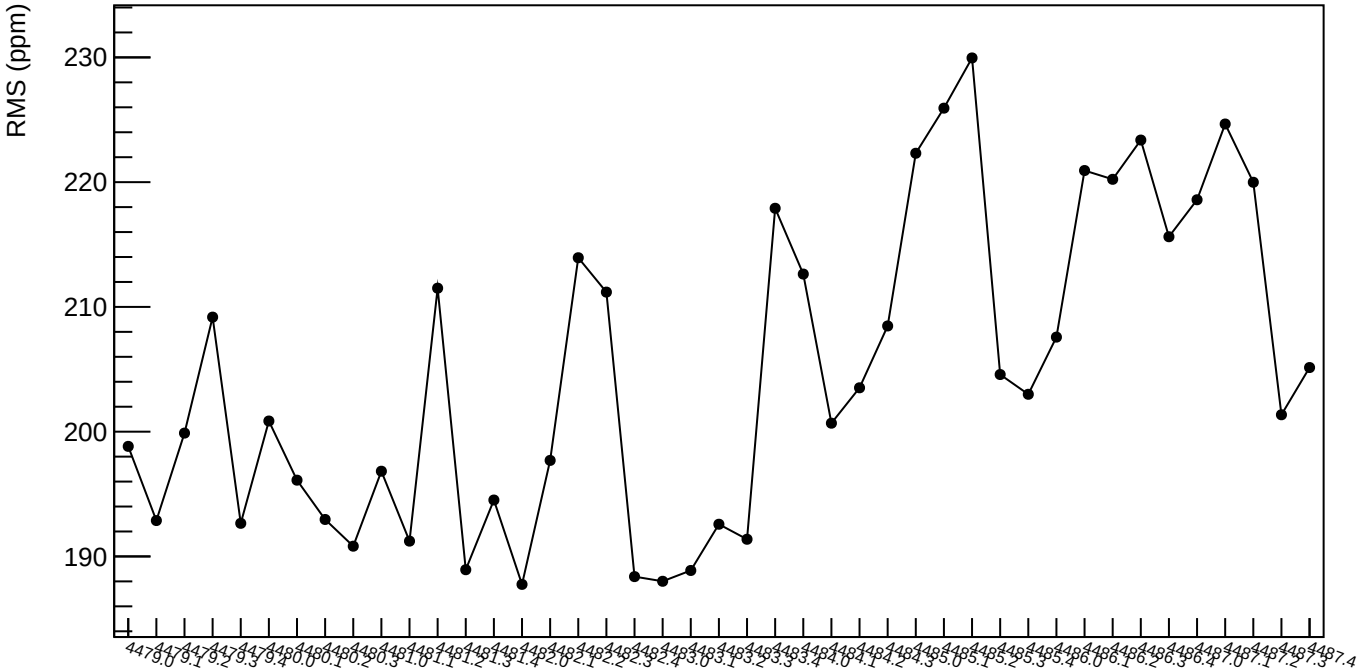

corr_us_avg_evMon1 (ppb)
χ² / ndf 7.405 / 42
p0 123.1 ± 164.5
1D pull distribution
Mean 0.003154 ± 0.06328
Std Dev 0.415 ± 0.04475
Underflow 0
Overflow 0
χ² / ndf 0.9178 / 2
Constant 22.7 ± 4.5
Mean 0.06469 ± 0.06194
Sigma 0.3957 ± 0.0495

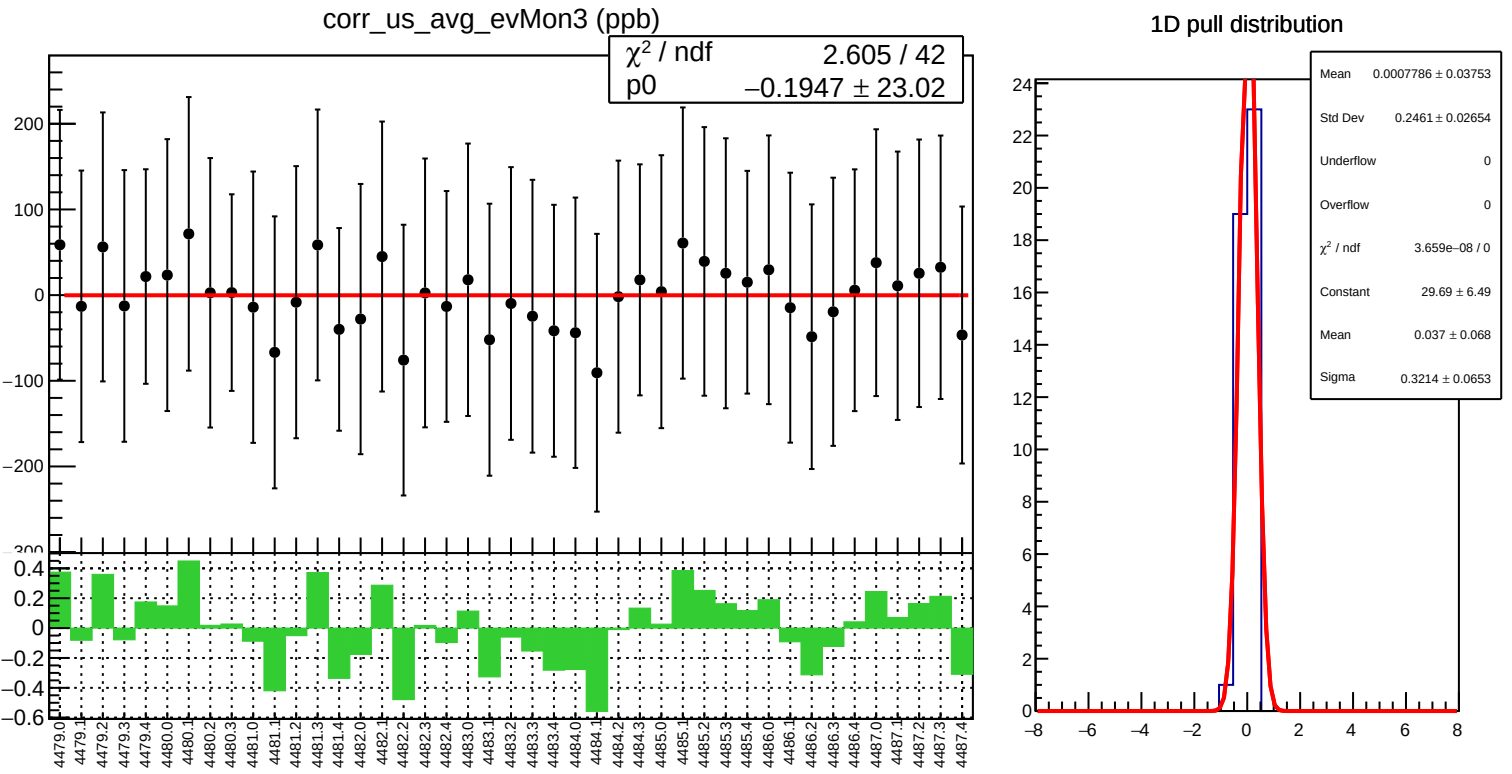
corr_us_avg_evMon1 RMS (ppm)

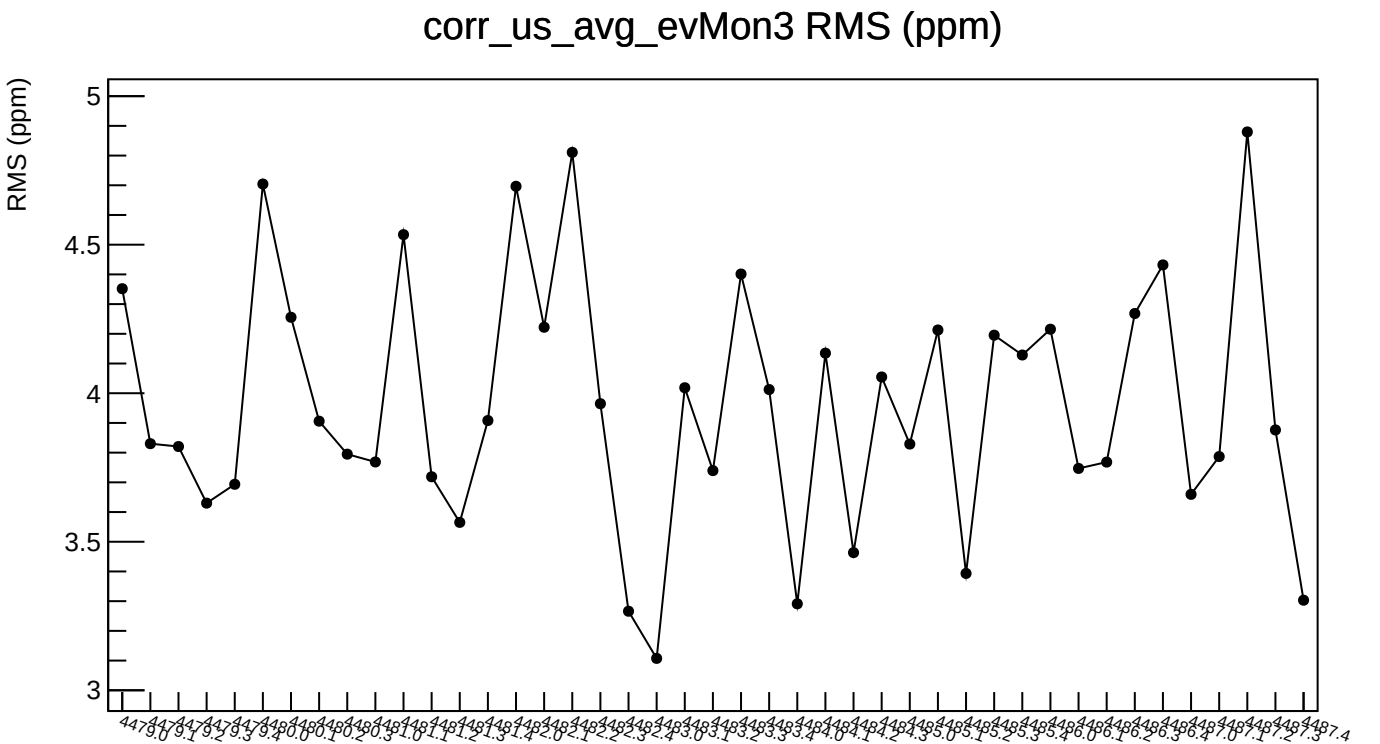


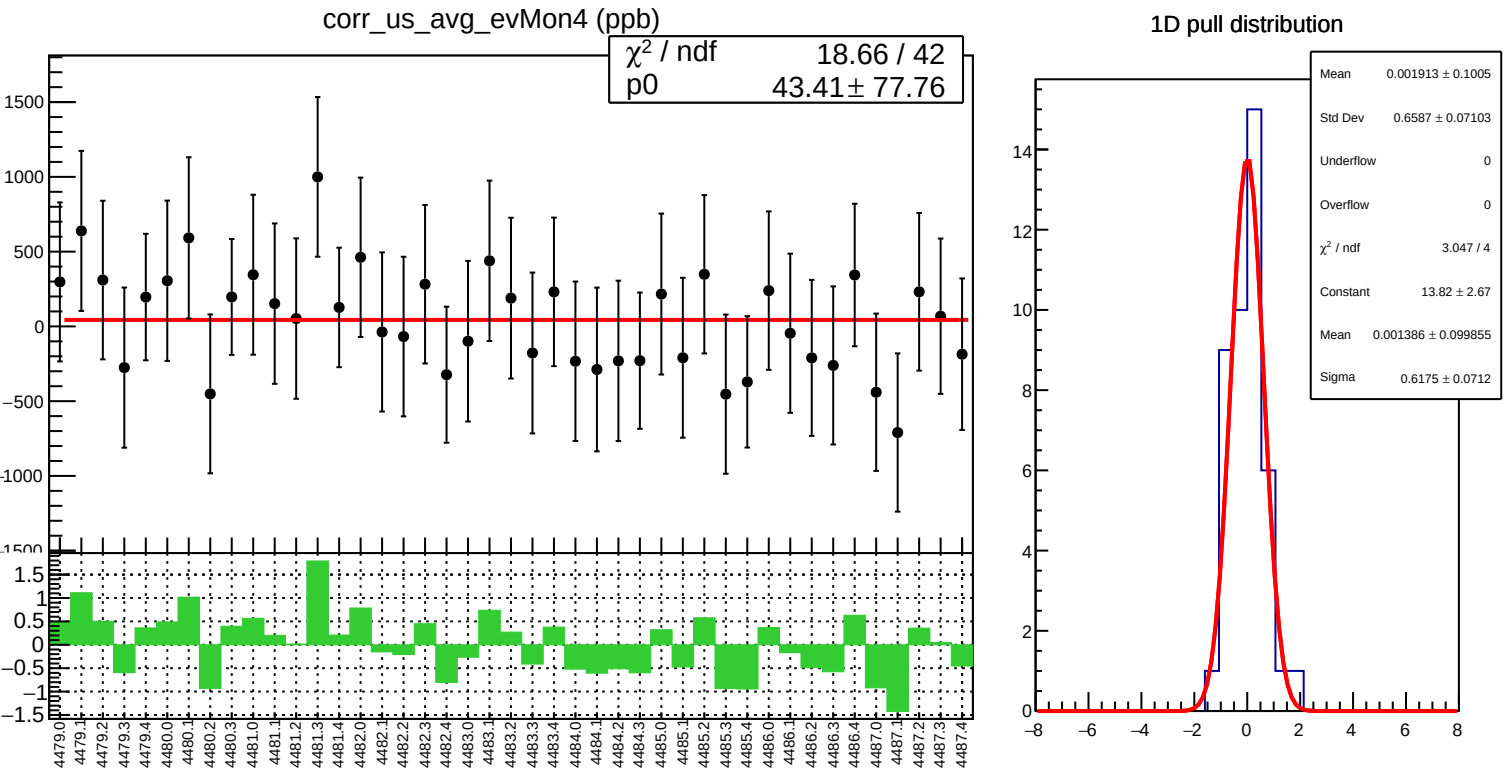

corr_us_avg_evMon2 (ppb)
χ² / ndf 15.13 / 42
p0 −120.3 ± 425.8
1D pull distribution
Mean −0.007103 ± 0.09046
Std Dev 0.5932 ± 0.06397
Underflow 0
Overflow 0
χ² / ndf 0.8584 / 3
Constant 14.44 ± 2.78
Mean 0.01733 ± 0.10177
Sigma 0.626 ± 0.078

corr_us_avg_evMon2 RMS (ppm)

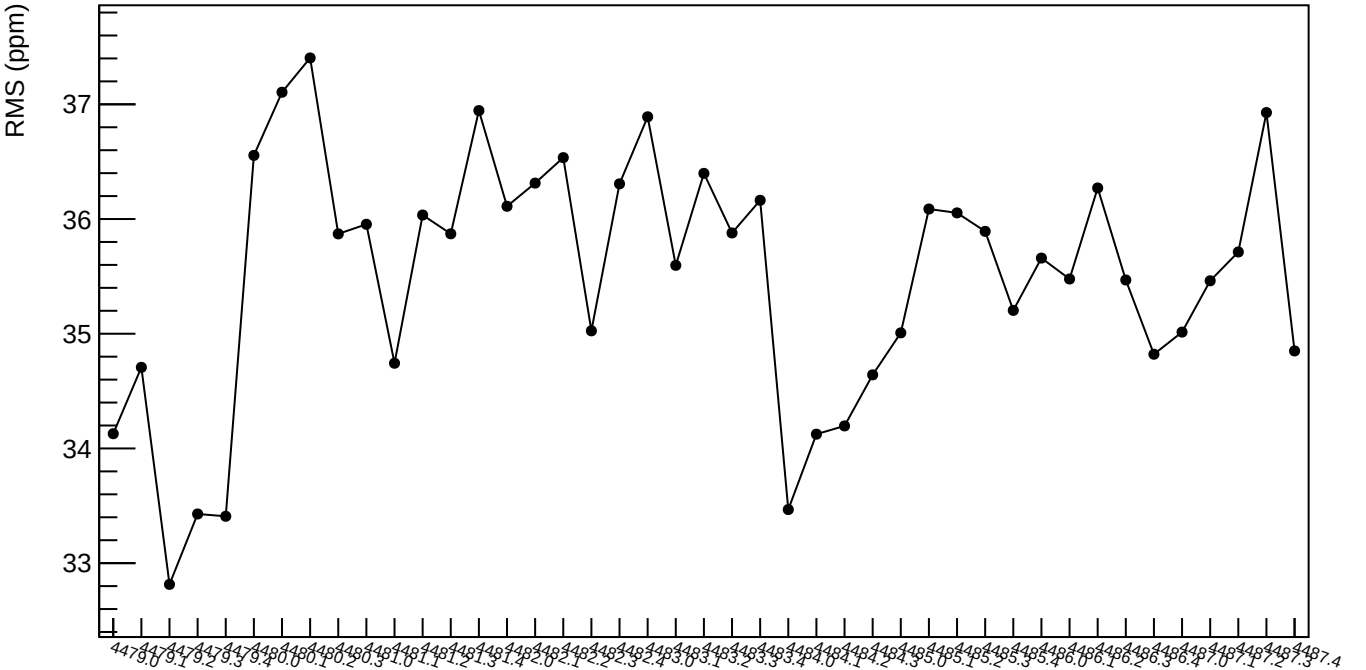


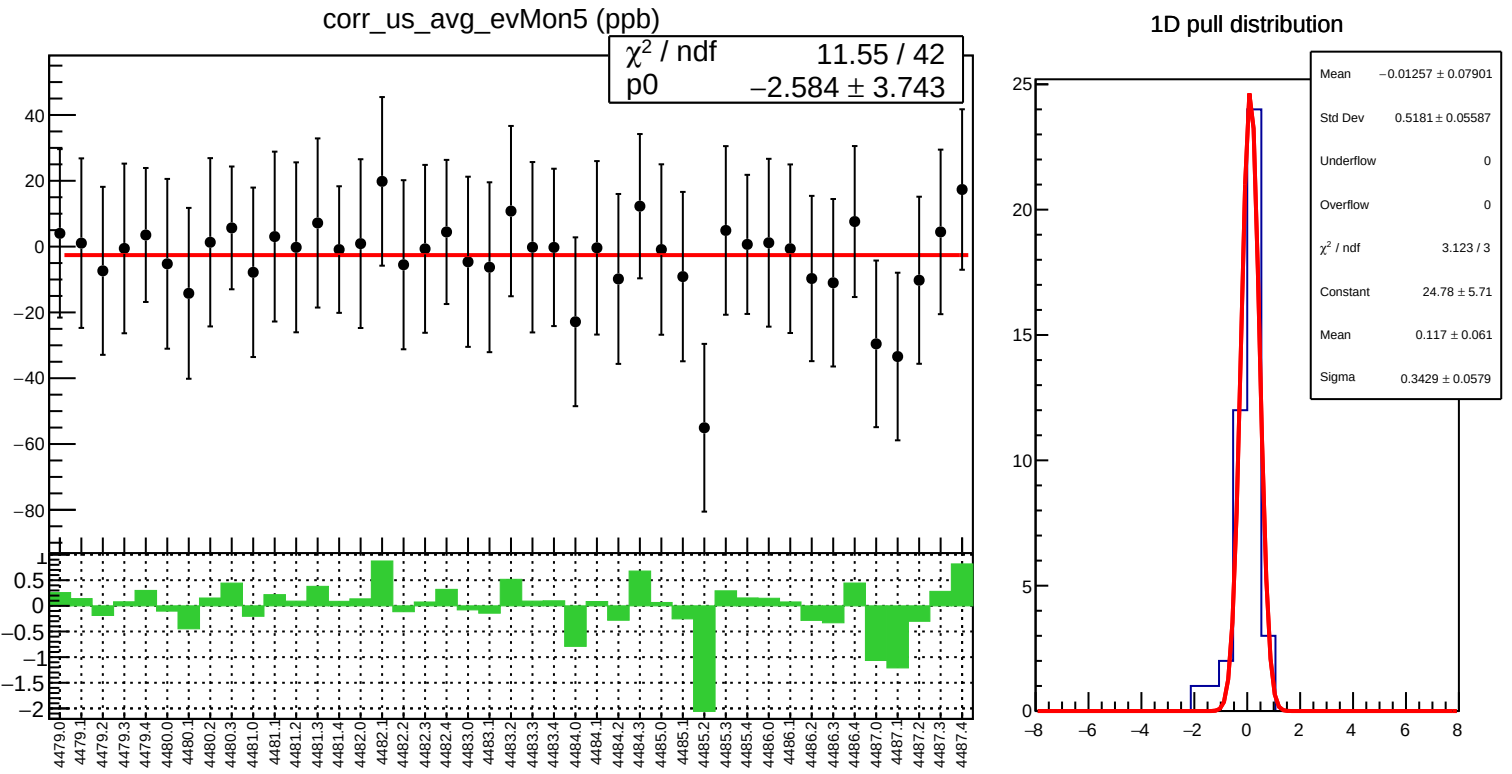

corr_us_avg_evMon3 (ppb)
χ² / ndf 2.605 / 42
p0 −0.1947 ± 23.02
1D pull distribution
Mean 0.0007786 ± 0.03753
Std Dev 0.2461 ± 0.02654
Underflow 0
Overflow 0
χ² / ndf 3.659e−08 / 0
Constant 29.69 ± 6.49
Mean 0.037 ± 0.068
Sigma 0.3214 ± 0.0653


corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3

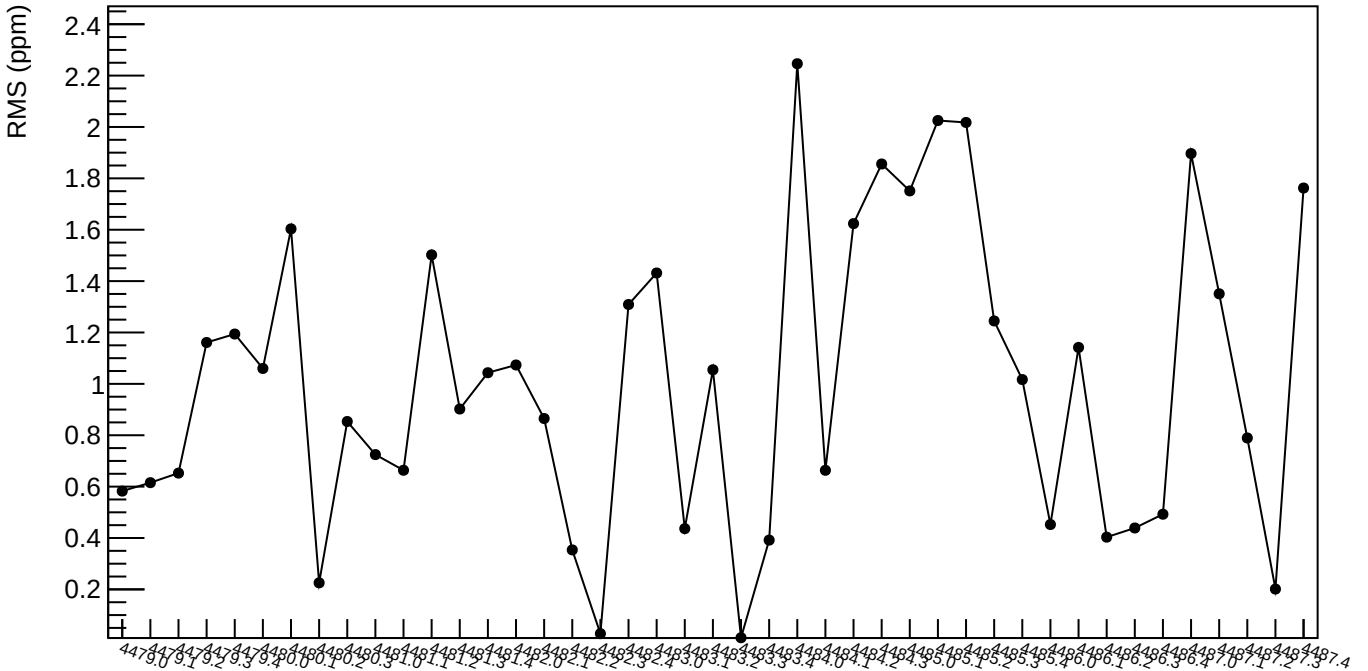

corr_us_avg_evMon4 (ppb)
χ² / ndf 18.66 / 42
p0 43.41 ± 77.76
1D pull distribution
Mean 0.001913 ± 0.1005
Std Dev 0.6587 ± 0.07103
Underflow 0
Overflow 0
χ² / ndf 3.047 / 4
Constant 13.82 ± 2.67
Mean 0.001386 ± 0.099855
Sigma 0.6175 ± 0.0712

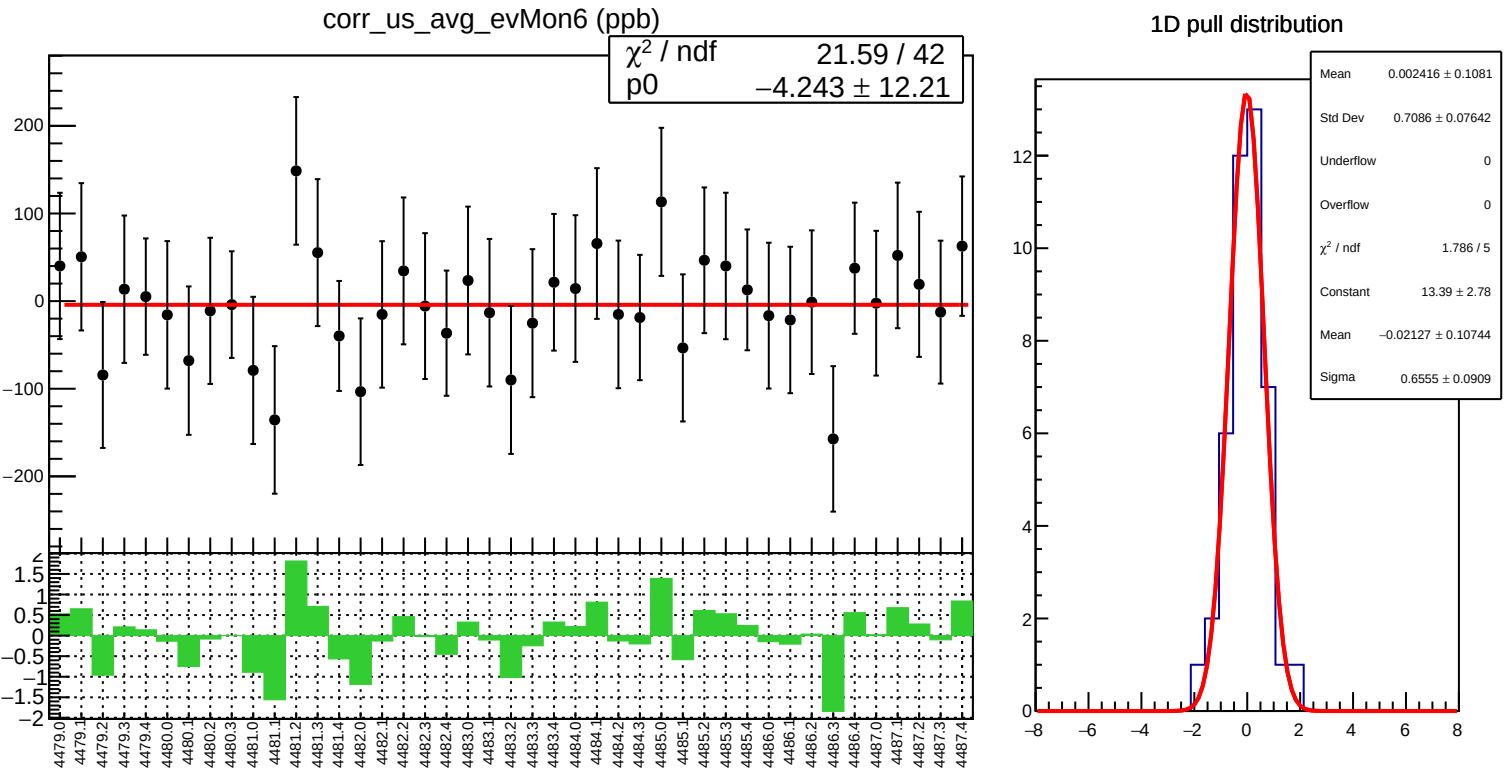
corr_us_avg_evMon4 RMS (ppm)



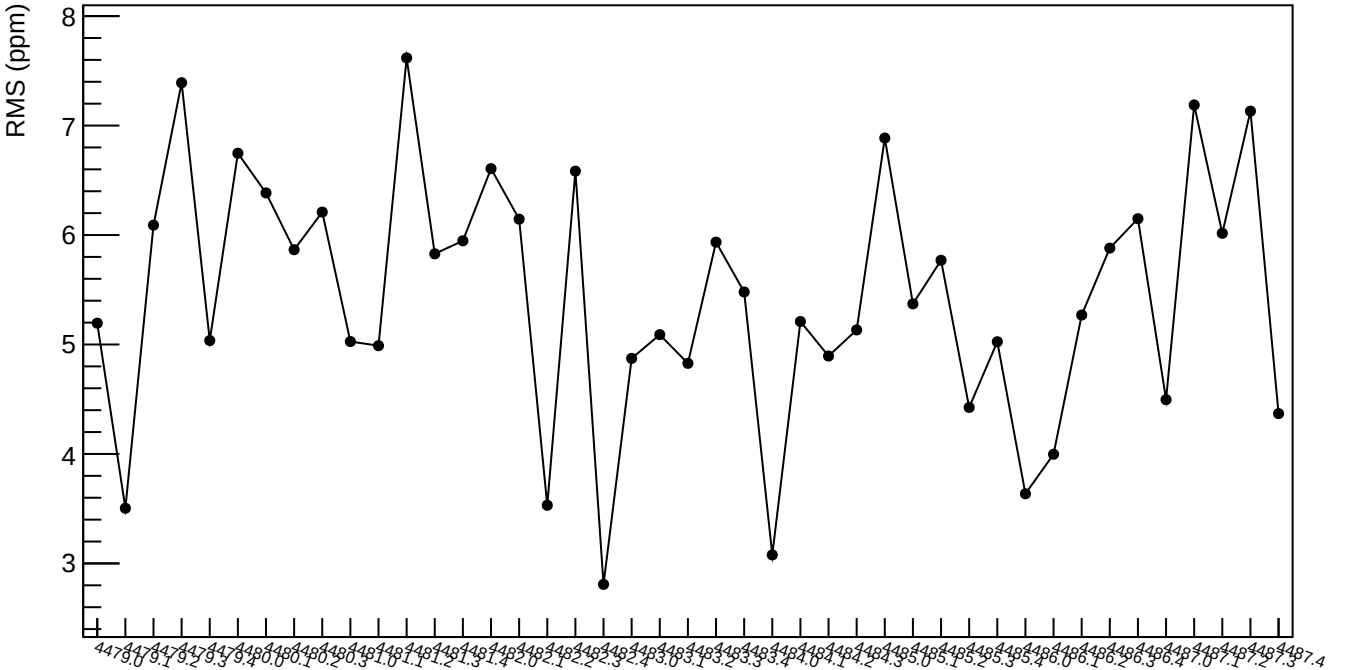

corr_us_avg_evMon5 (ppb)
χ² / ndf 11.55 / 42
p0 −2.584 ± 3.743
1D pull distribution
Mean −0.01257 ± 0.07901
Std Dev 0.5181 ± 0.05587
Underflow 0
Overflow 0
χ² / ndf 3.123 / 3
Constant 24.78 ± 5.71
Mean 0.117 ± 0.061
Sigma 0.3429 ± 0.0579

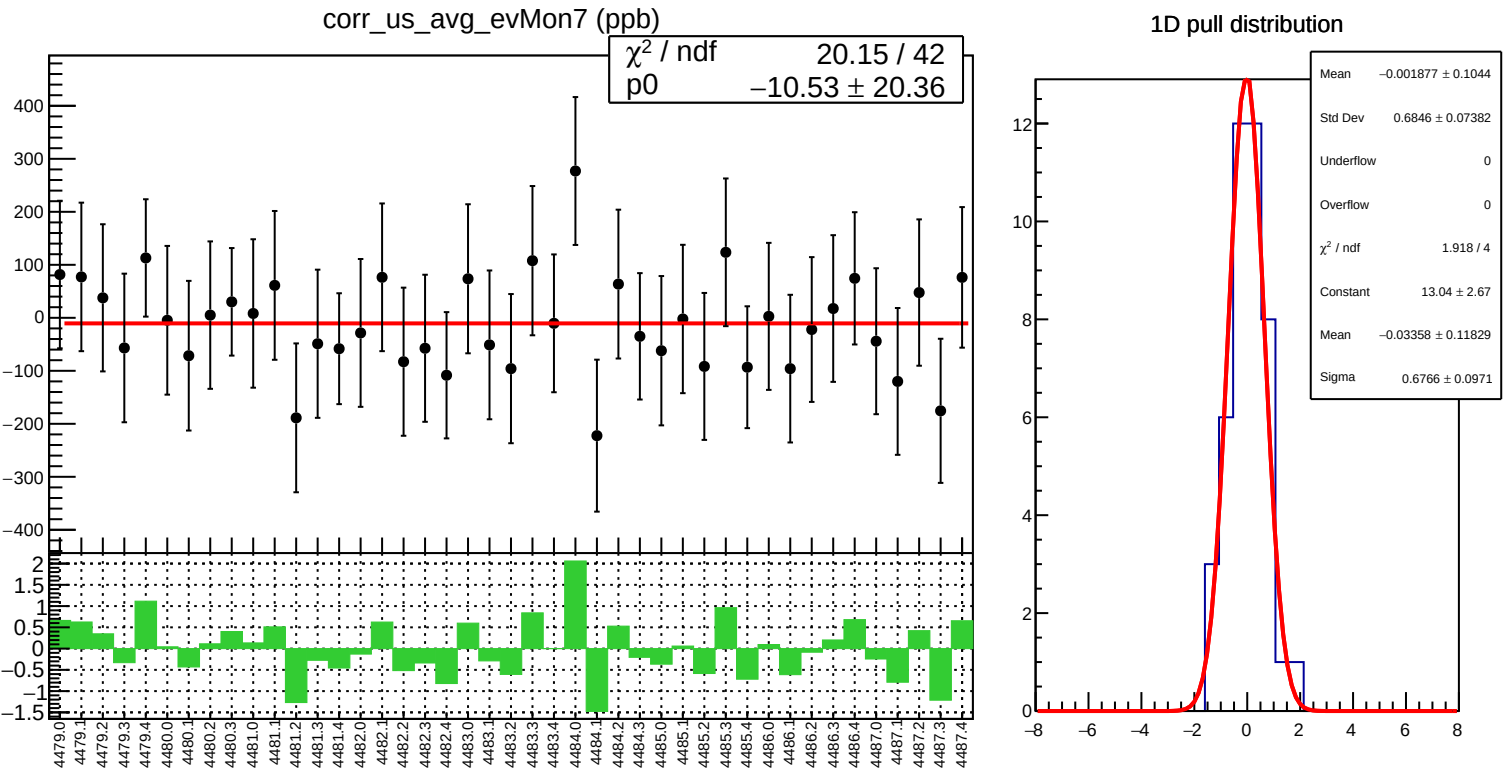
corr_us_avg_evMon5 RMS (ppm)



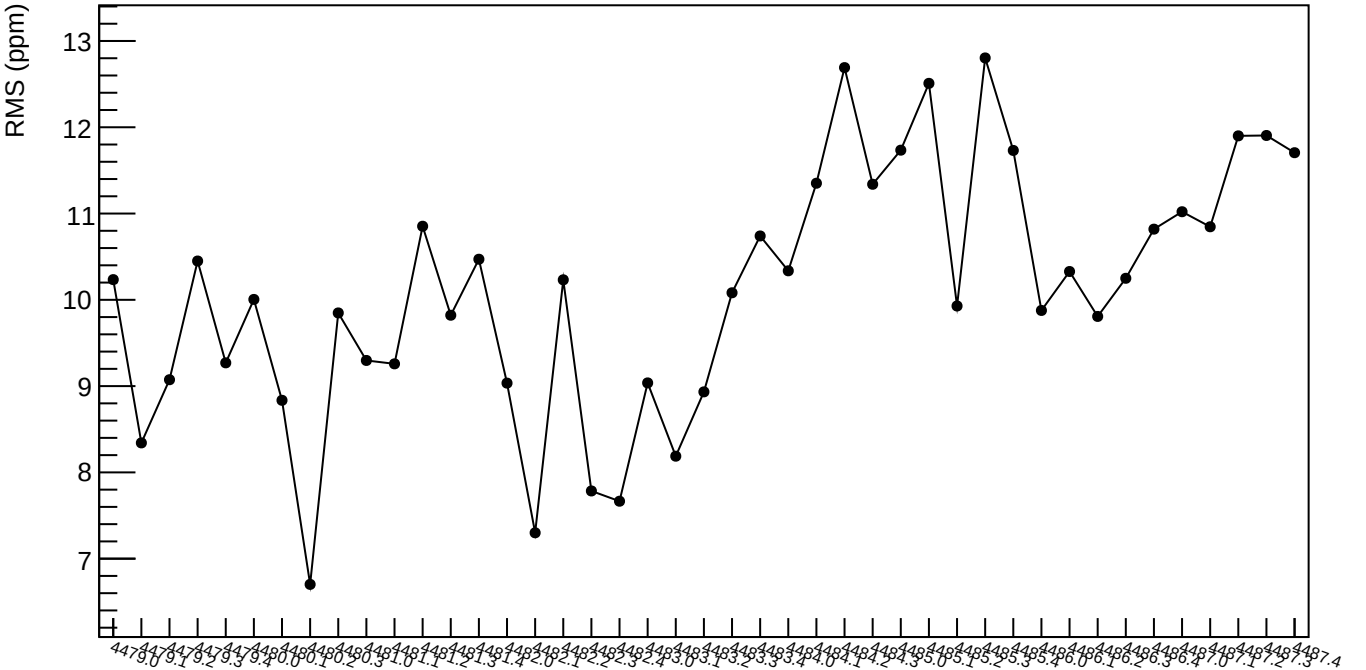

corr_us_avg_evMon6 (ppb)
χ² / ndf 21.59 / 42
p0 −4.243 ± 12.21
1D pull distribution
Mean 0.002416 ± 0.1081
Std Dev 0.7086 ± 0.07642
Underflow 0
Overflow 0
χ² / ndf 1.786 / 5
Constant 13.39 ± 2.78
Mean −0.02127 ± 0.10744
Sigma 0.6555 ± 0.0909

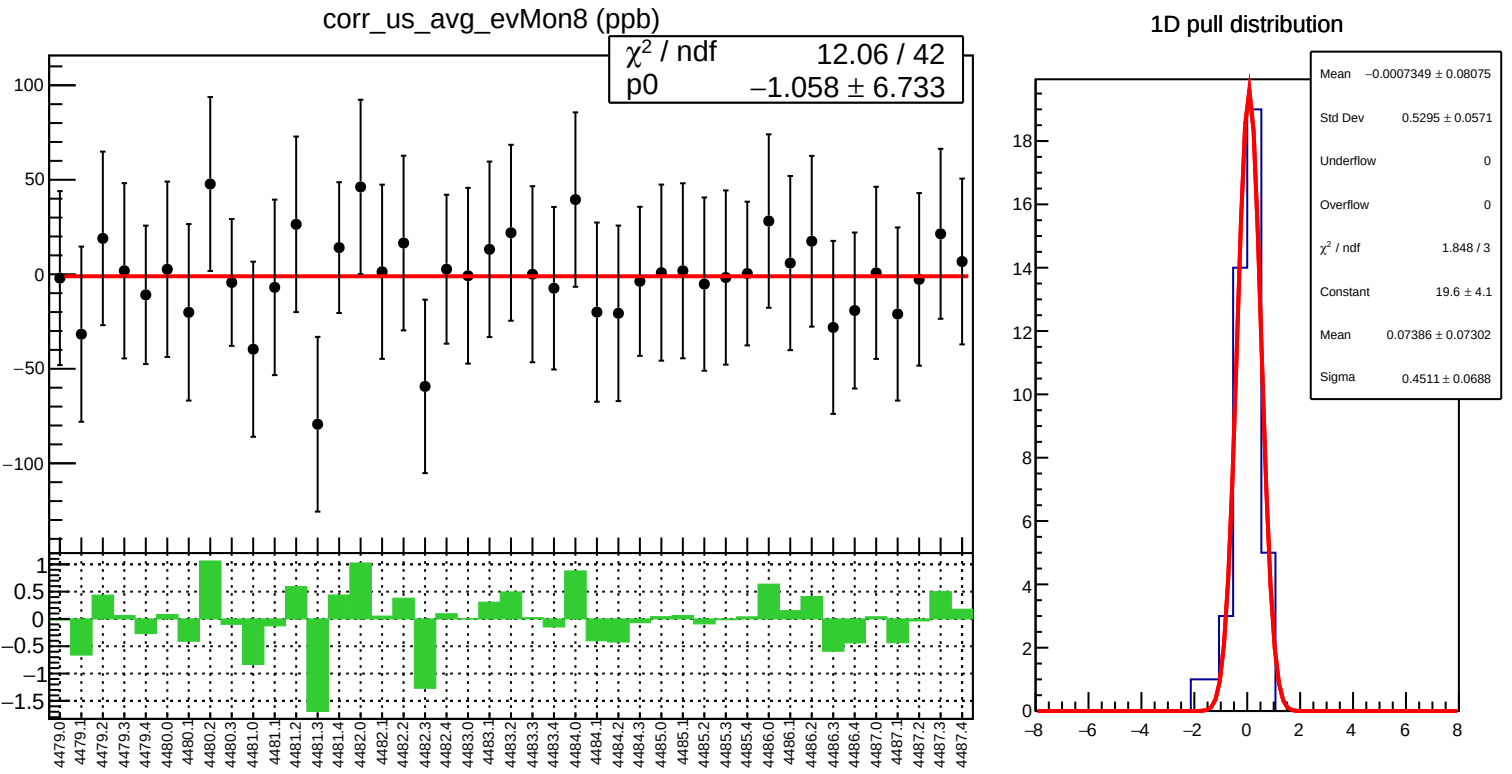
corr_us_avg_evMon6 RMS (ppm)

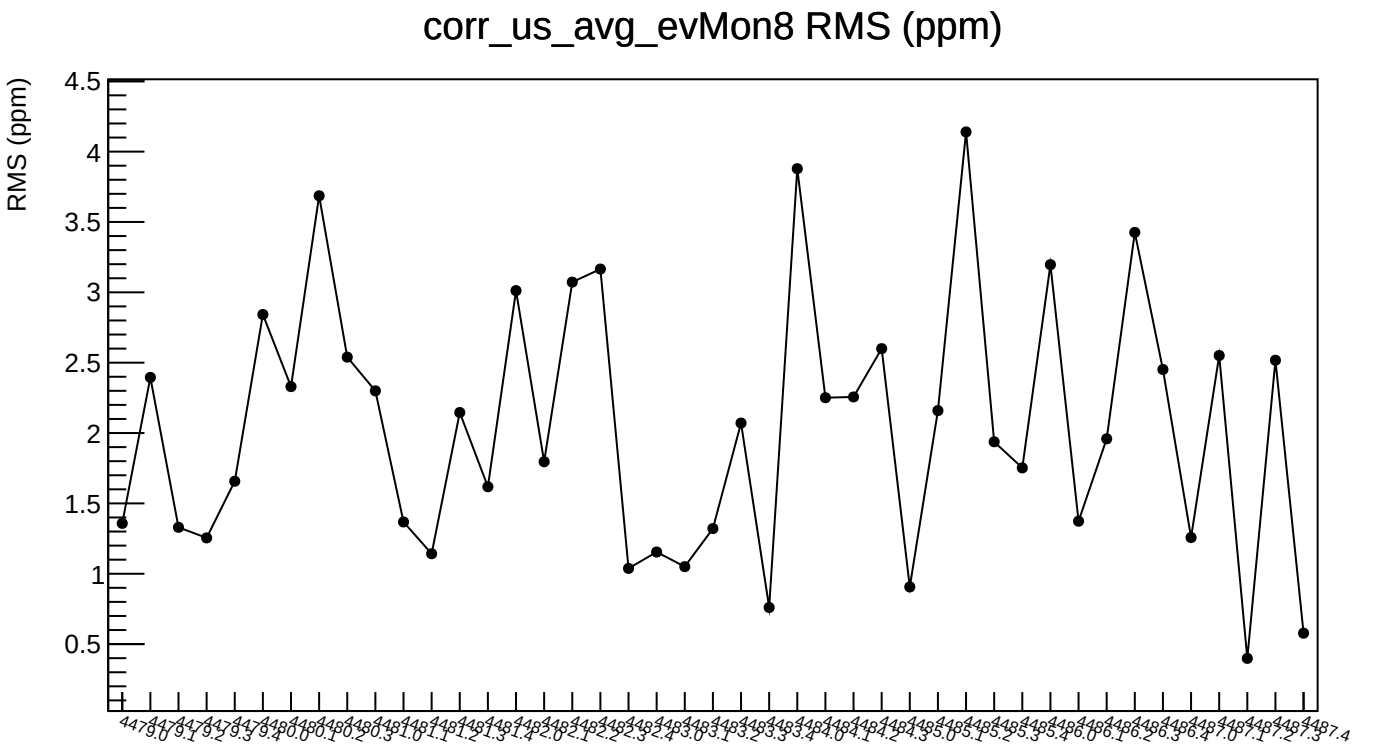

RMS (ppm)
8
7
6
5
4
3
447 447 447 447 448 448 448

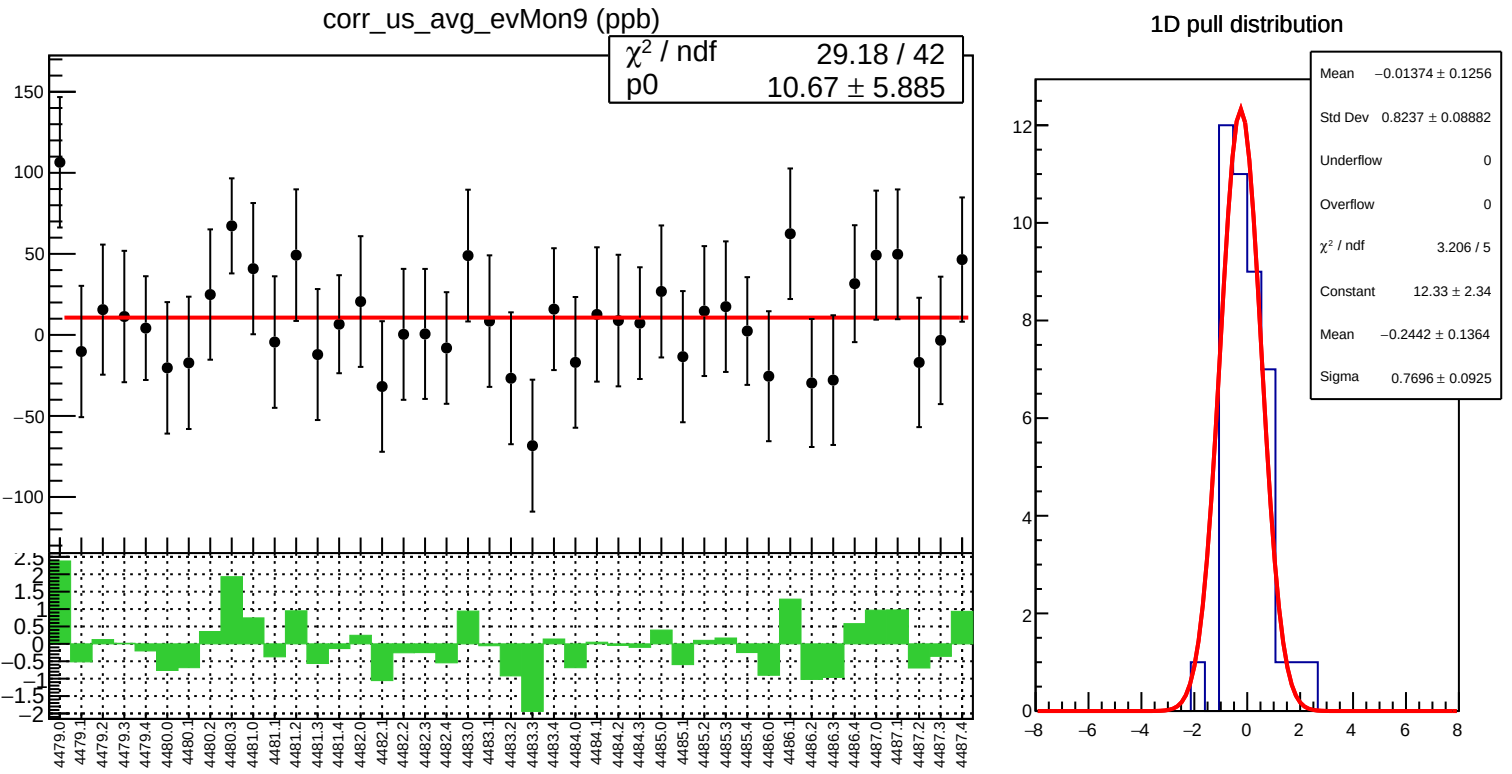

corr_us_avg_evMon7 (ppb)
χ² / ndf 20.15 / 42
p0 −10.53 ± 20.36
1D pull distribution
Mean −0.001877 ± 0.1044
Std Dev 0.6846 ± 0.07382
Underflow 0
Overflow 0
χ² / ndf 1.918 / 4
Constant 13.04 ± 2.67
Mean −0.03358 ± 0.11829
Sigma 0.6766 ± 0.0971

corr_us_avg_evMon7 RMS (ppm)

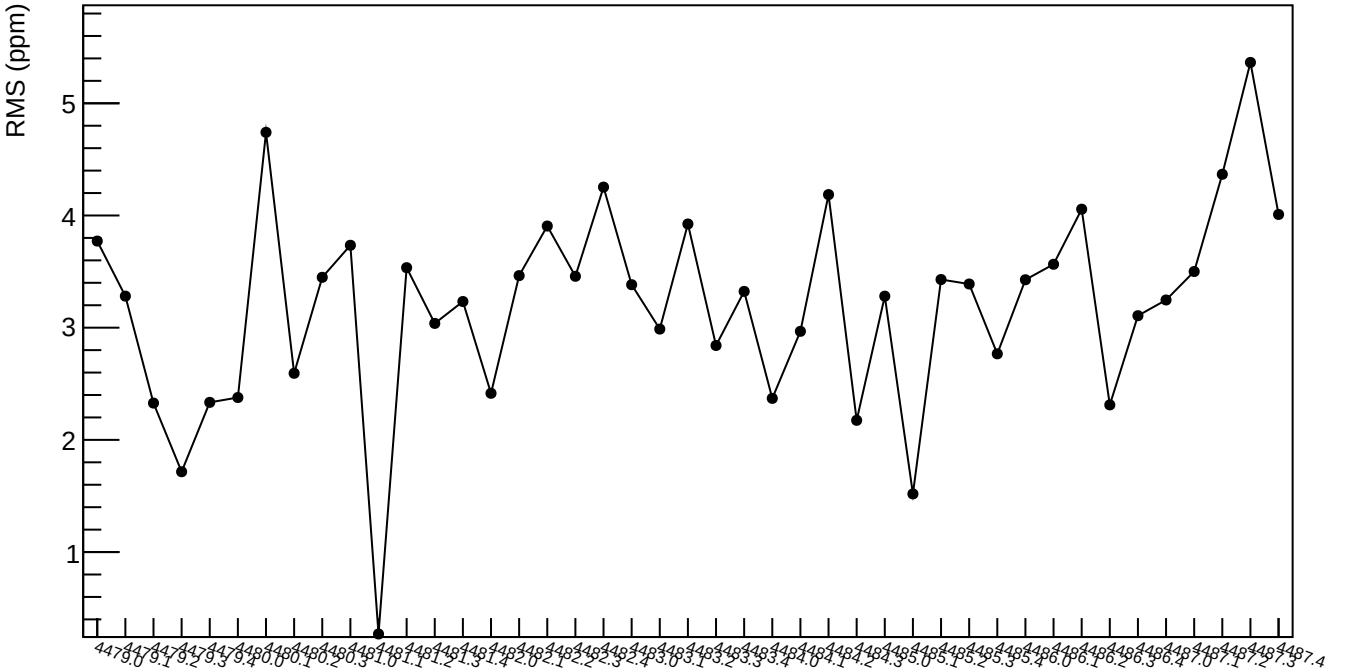


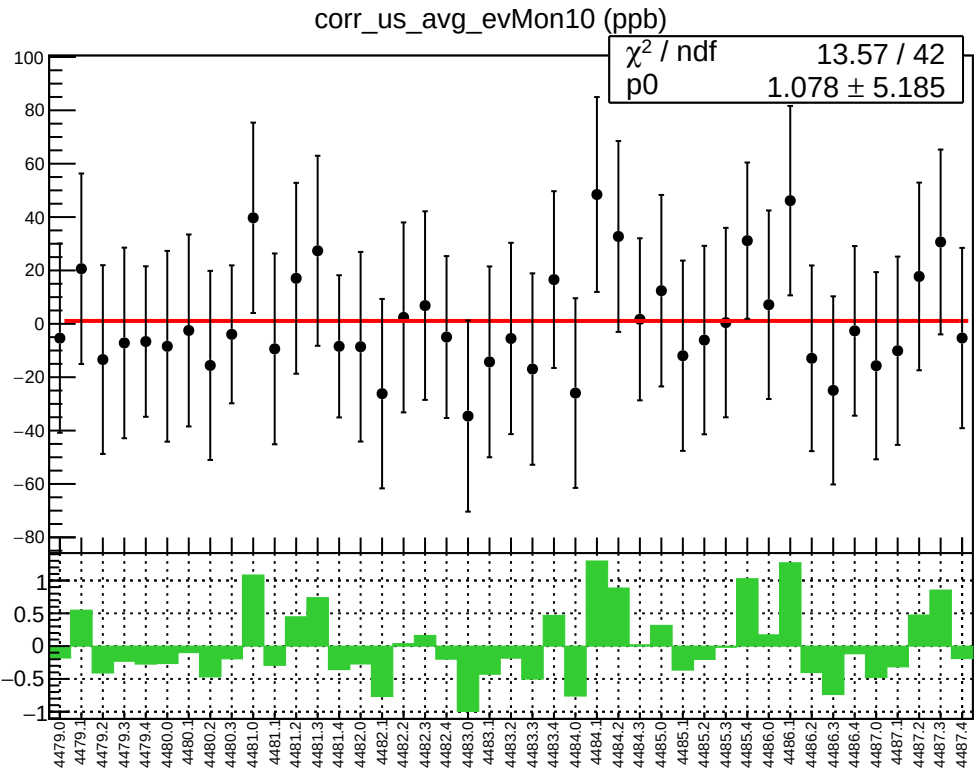

corr_us_avg_evMon8 (ppb)
χ² / ndf 12.06 / 42
p0 −1.058 ± 6.733
1D pull distribution
Mean −0.0007349 ± 0.08075
Std Dev 0.5295 ± 0.0571
Underflow 0
Overflow 0
χ² / ndf 1.848 / 3
Constant 19.6 ± 4.1
Mean 0.07386 ± 0.07302
Sigma 0.4511 ± 0.0688

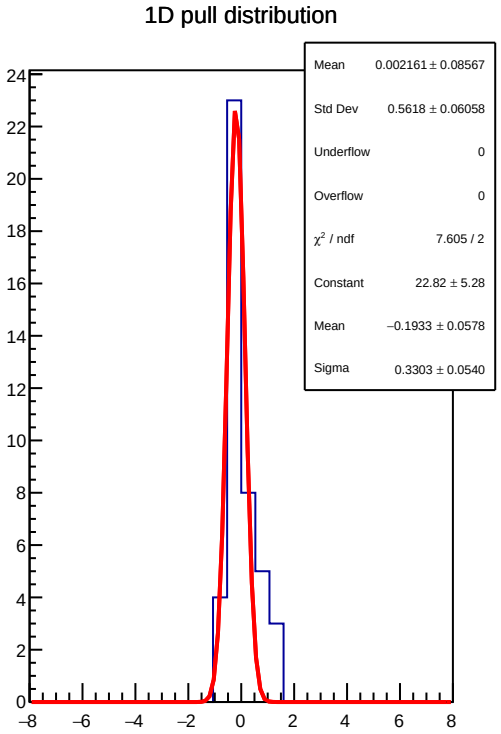

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5


corr_us_avg_evMon9 (ppb)
χ² / ndf 29.18 / 42
p0 10.67 ± 5.885
1D pull distribution
Mean −0.01374 ± 0.1256
Std Dev 0.8237 ± 0.08882
Underflow 0
Overflow 0
χ² / ndf 3.206 / 5
Constant 12.33 ± 2.34
Mean −0.2442 ± 0.1364
Sigma 0.7696 ± 0.0925

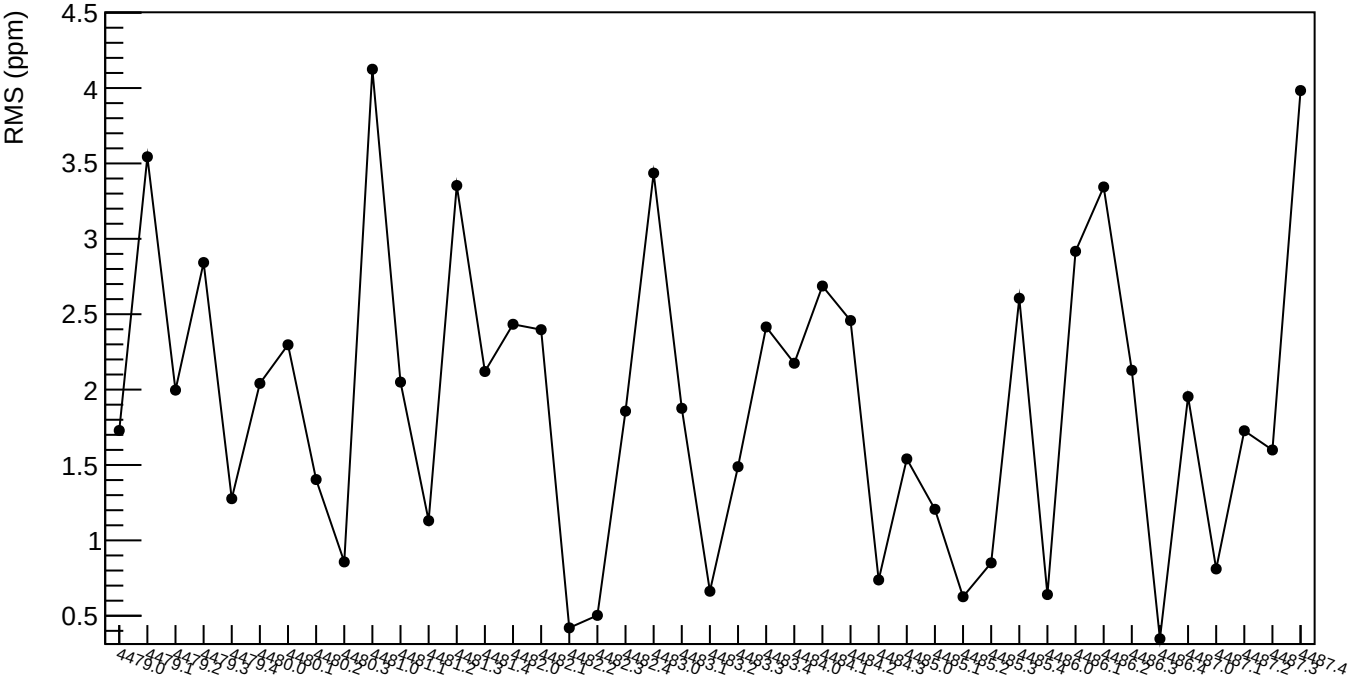
corr_us_avg_evMon9 RMS (ppm)

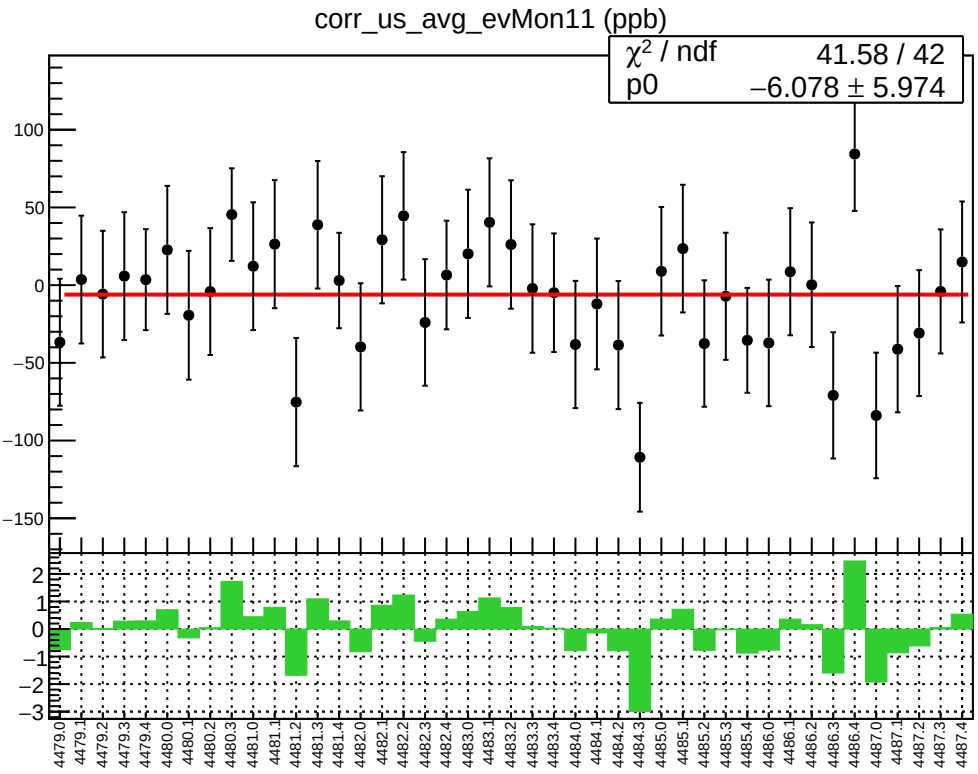


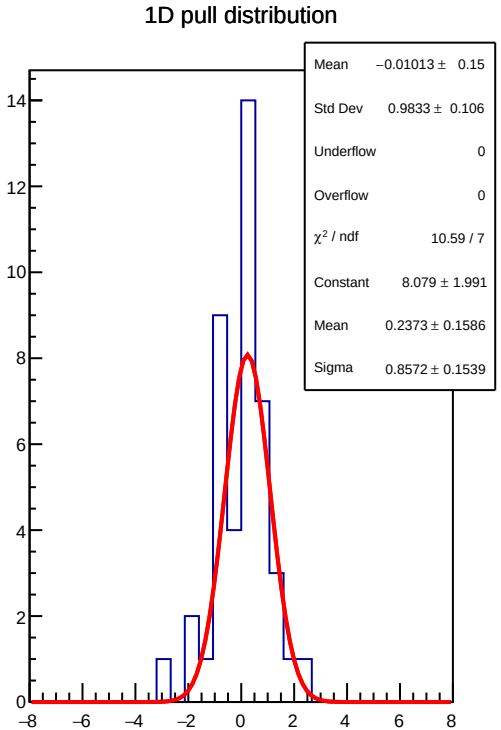

corr_us_avg_evMon10 (ppb)
χ² / ndf 13.57 / 42
p0 1.078 ± 5.185


1D pull distribution
Mean 0.002161 ± 0.08567
Std Dev 0.5618 ± 0.06058
Underflow 0
Overflow 0
χ² / ndf 7.605 / 2
Constant 22.82 ± 5.28
Mean −0.1933 ± 0.0578
Sigma 0.3303 ± 0.0540

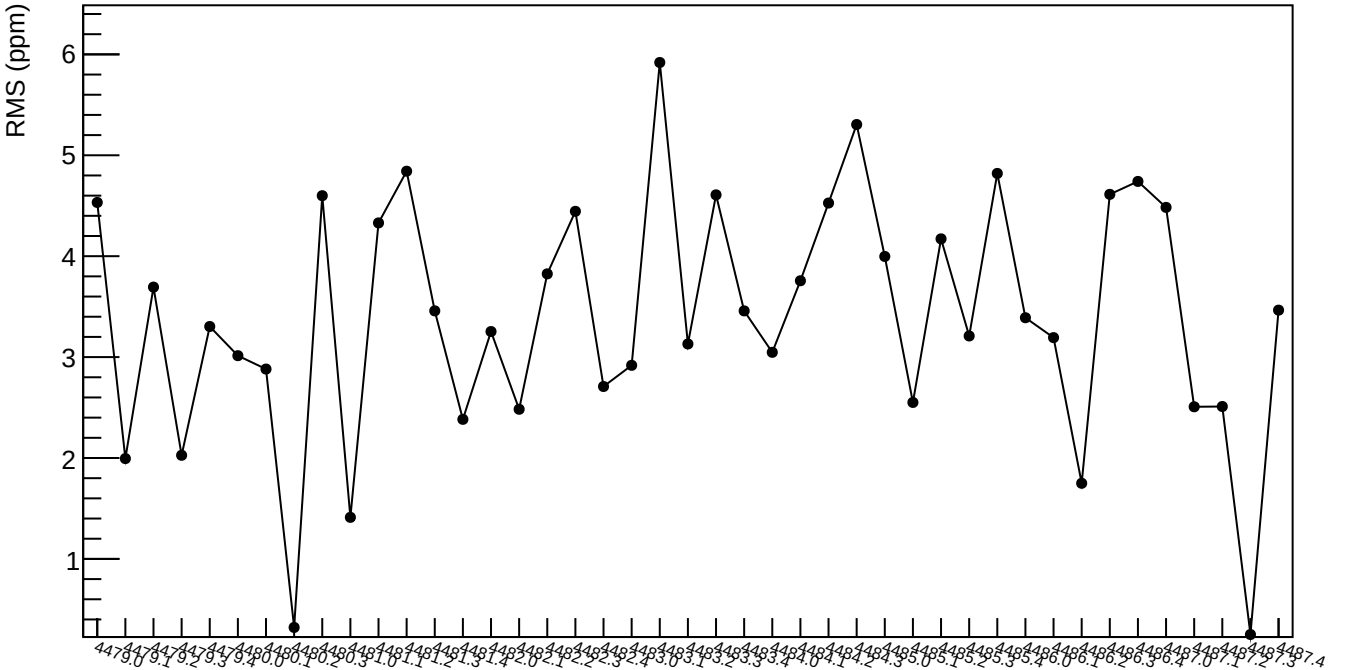
corr_us_avg_evMon10 RMS (ppm)

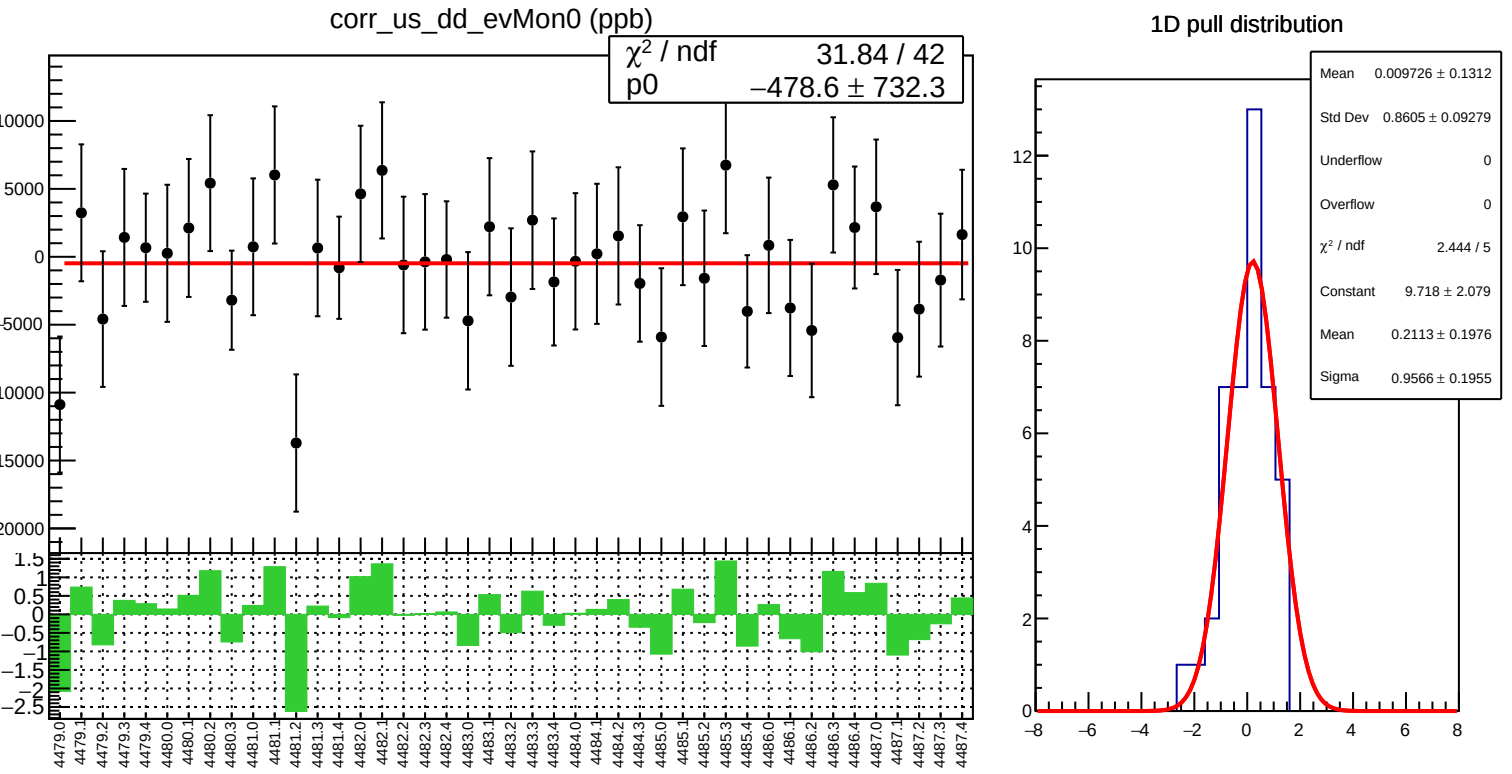



corr_us_avg_evMon11 (ppb)
χ² / ndf 41.58 / 42
p0 −6.078 ± 5.974
100
50
0
−50
−100
−150
2
1
0
−1
−2
−3
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

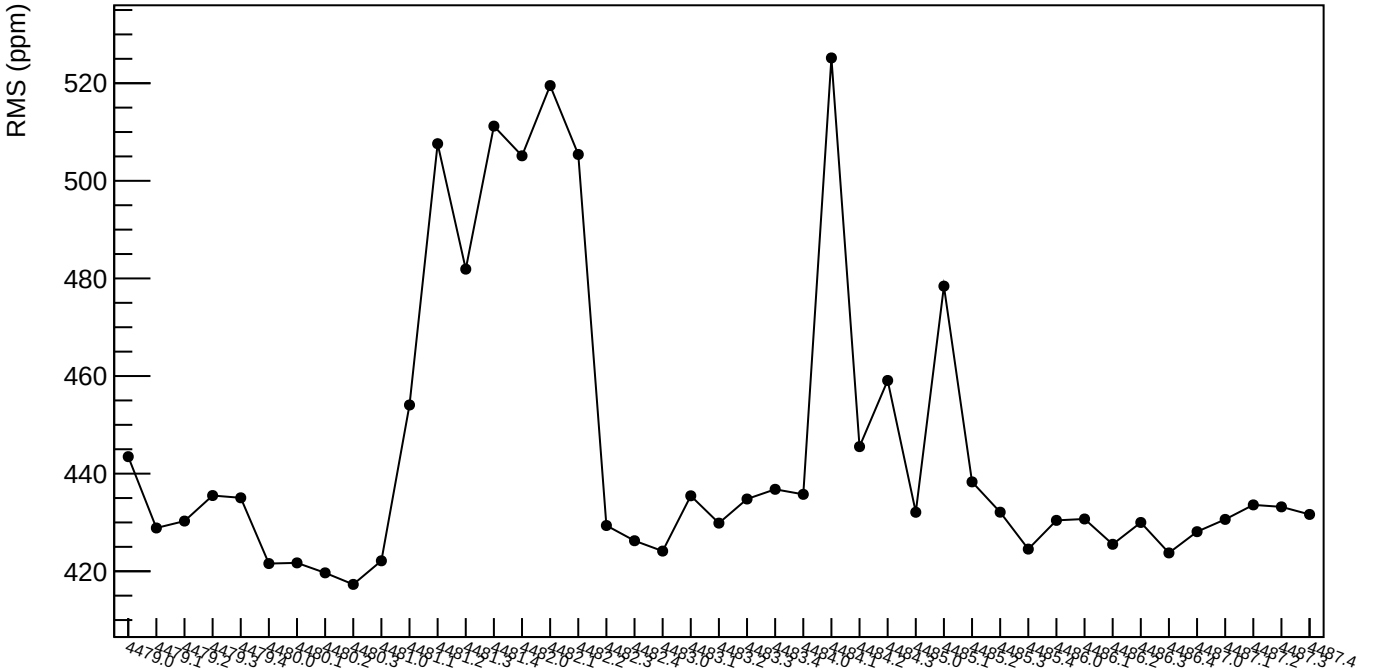

1D pull distribution
Mean −0.01013 ± 0.15
Std Dev 0.9833 ± 0.106
Underflow 0
Overflow 0
χ² / ndf 10.59 / 7
Constant 8.079 ± 1.991
Mean 0.2373 ± 0.1586
Sigma 0.8572 ± 0.1539
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

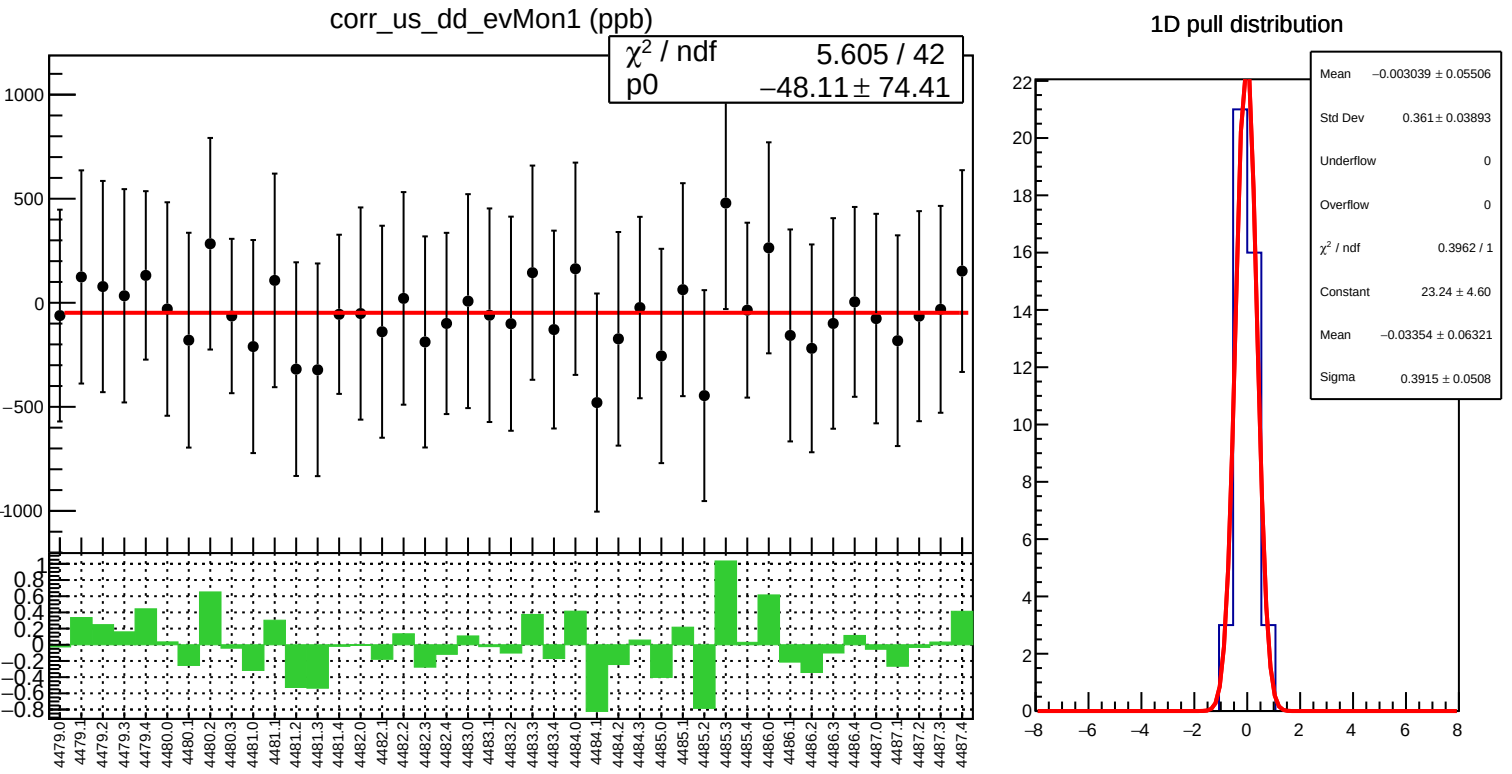
corr_us_avg_evMon11 RMS (ppm)



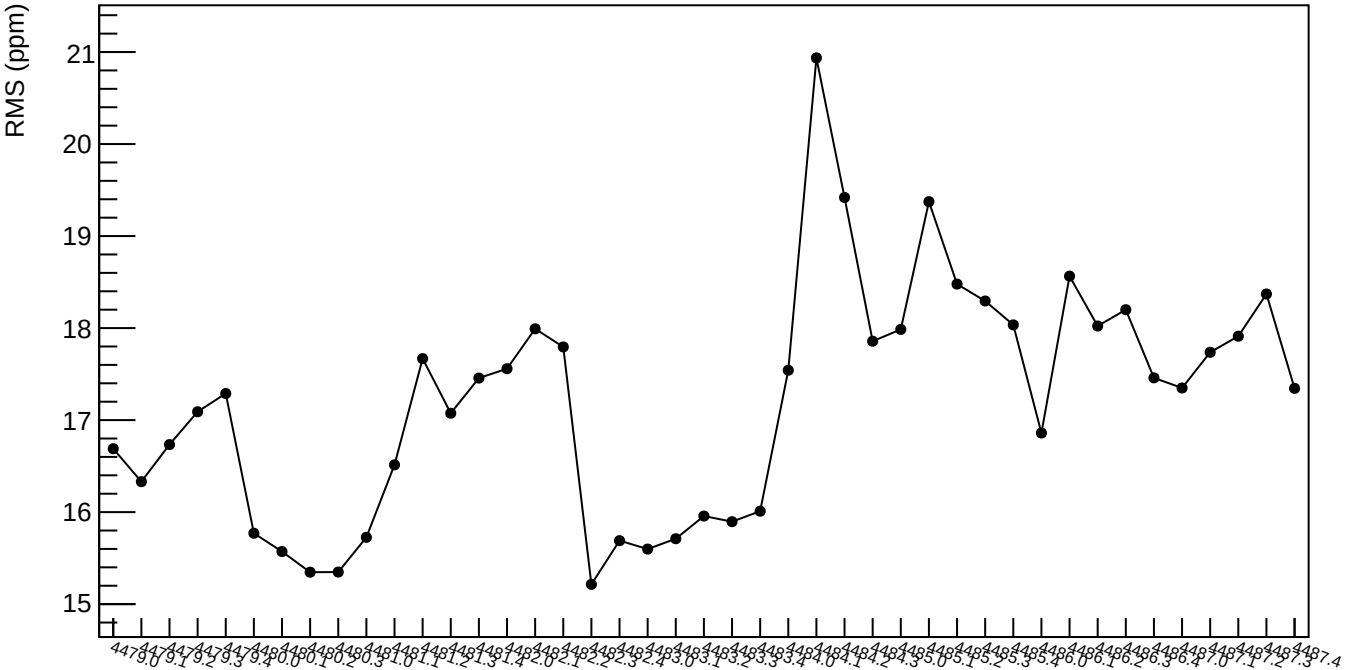

corr_us_dd_evMon0 (ppb)
χ² / ndf 31.84 / 42
p0 −478.6 ± 732.3
1D pull distribution
Mean 0.009726 ± 0.1312
Std Dev 0.8605 ± 0.09279
Underflow 0
Overflow 0
χ² / ndf 2.444 / 5
Constant 9.718 ± 2.079
Mean 0.2113 ± 0.1976
Sigma 0.9566 ± 0.1955

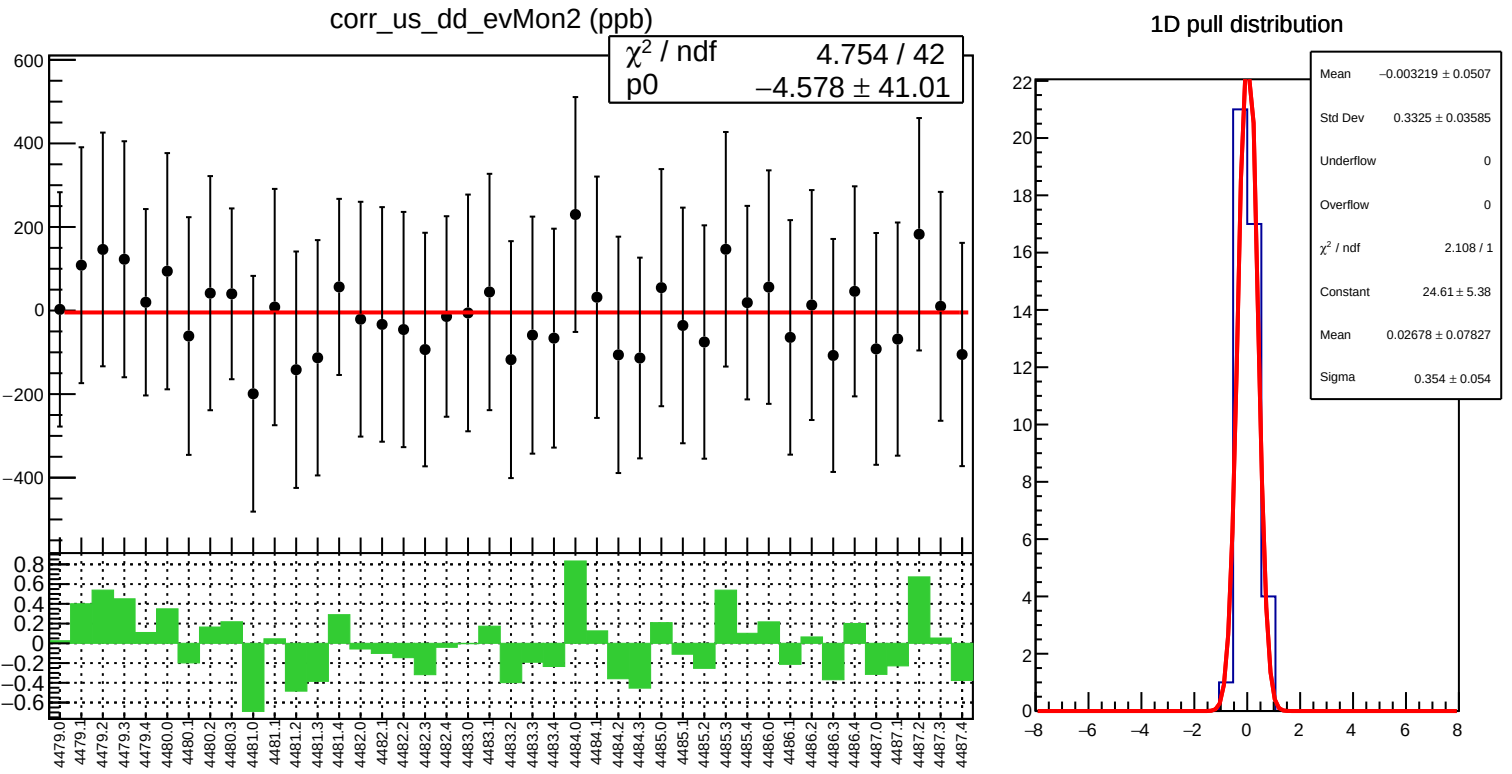
corr_us_dd_evMon0 RMS (ppm)



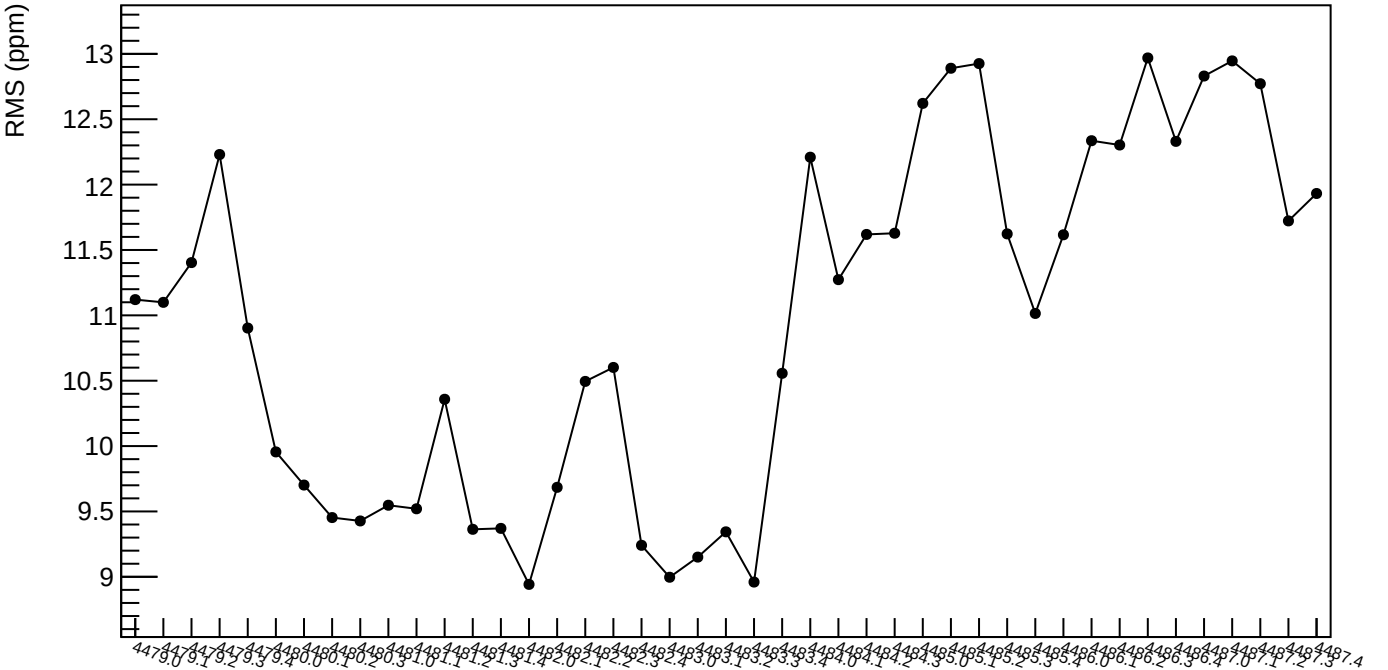

corr_us_dd_evMon1 (ppb)
χ² / ndf 5.605 / 42
p0 −48.11 ± 74.41
1D pull distribution
Mean −0.003039 ± 0.05506
Std Dev 0.361 ± 0.03893
Underflow 0
Overflow 0
χ² / ndf 0.3962 / 1
Constant 23.24 ± 4.60
Mean −0.03354 ± 0.06321
Sigma 0.3915 ± 0.0508

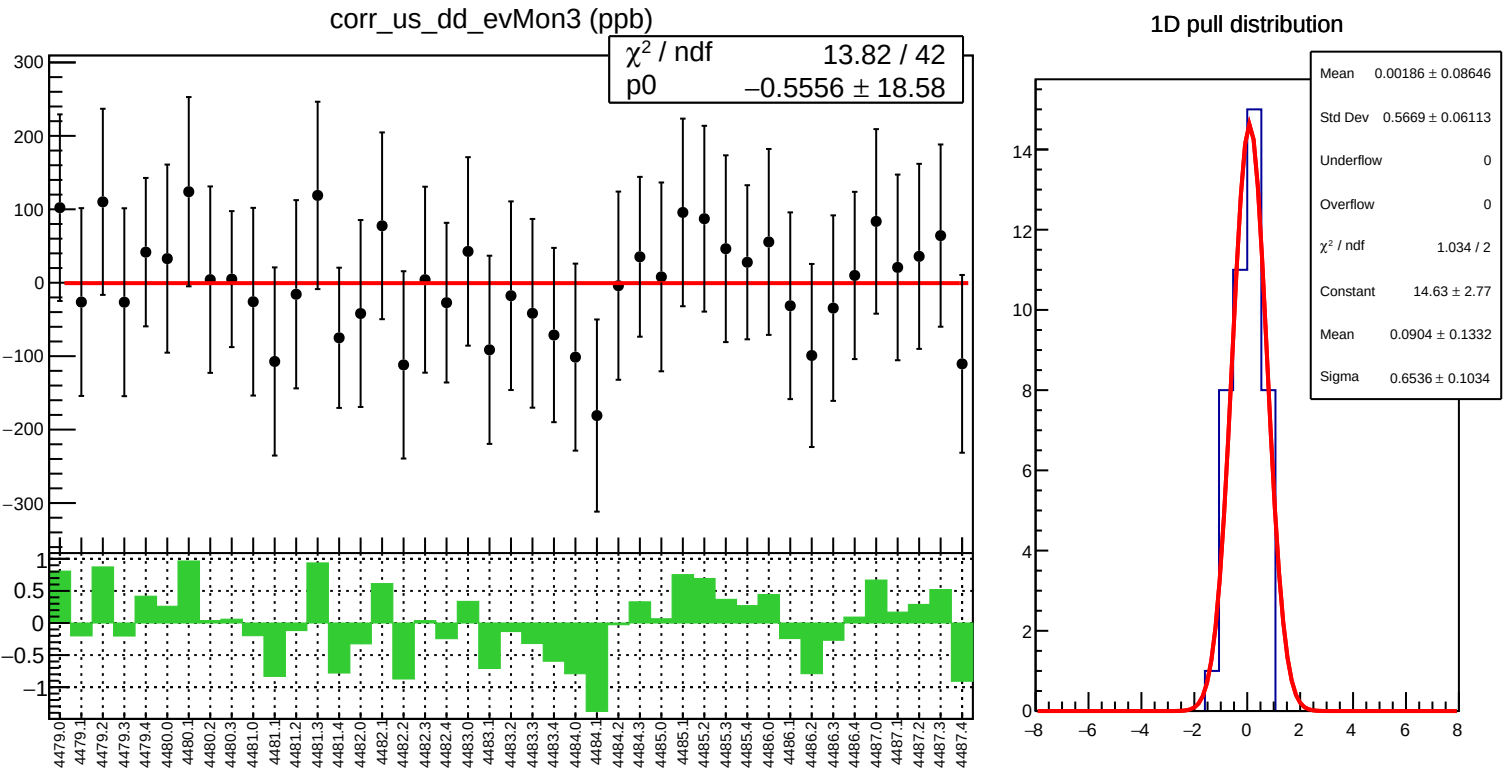
corr_us_dd_evMon1 RMS (ppm)

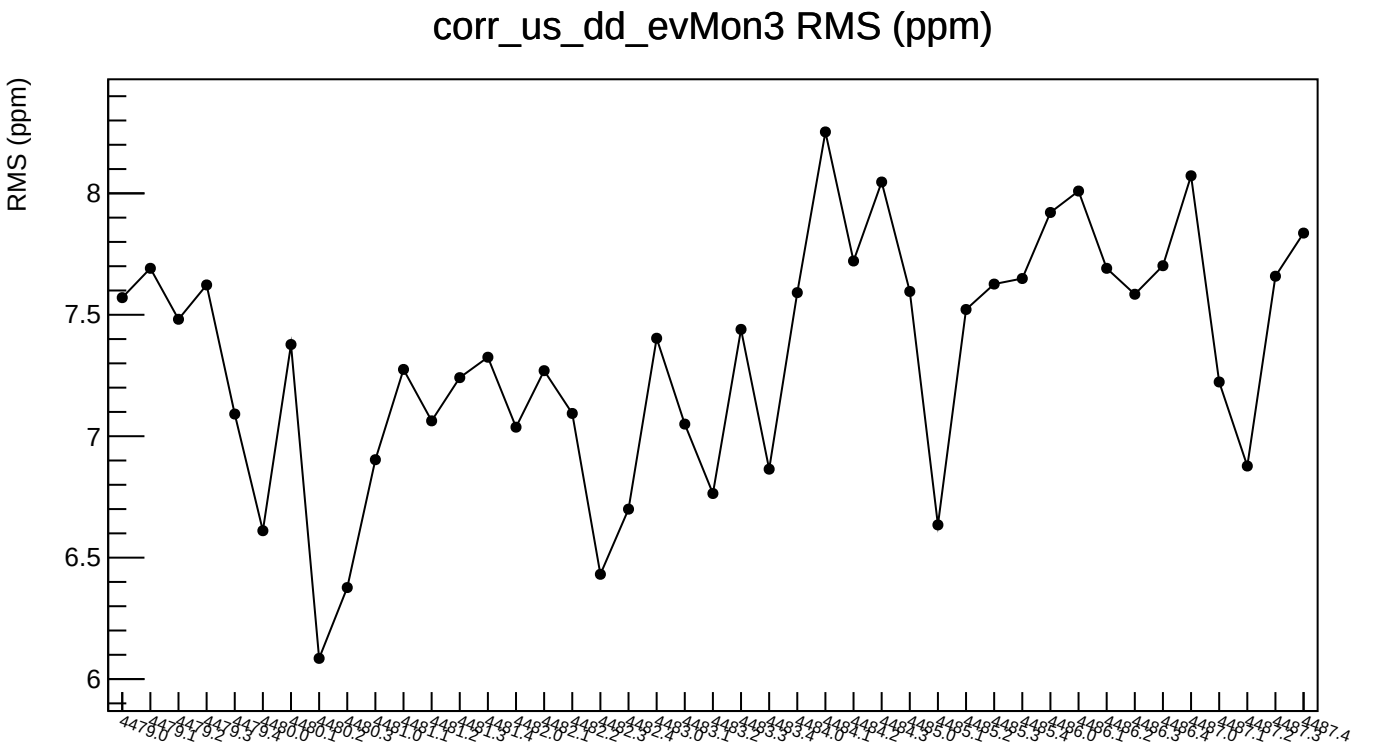


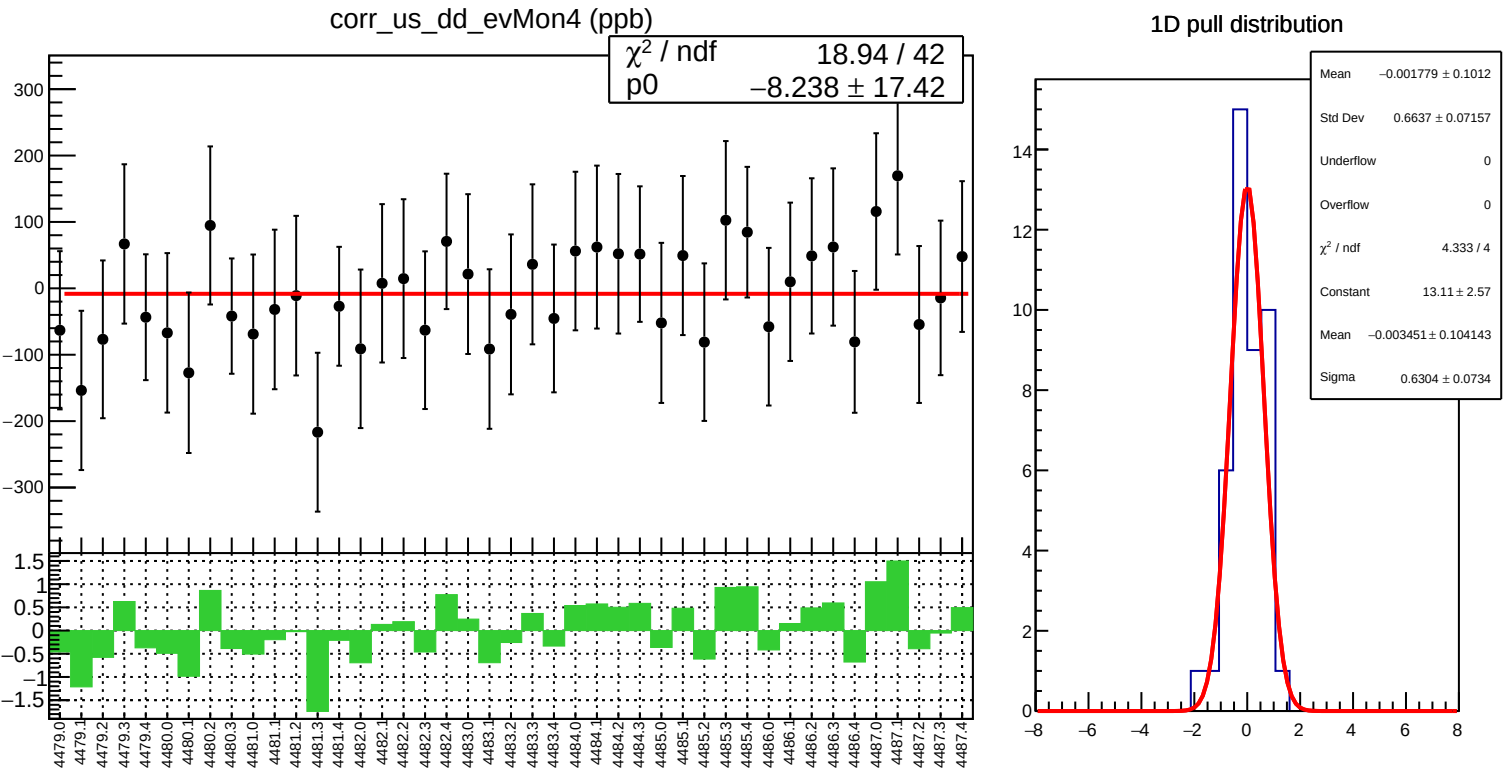

corr_us_dd_evMon2 (ppb)
χ² / ndf 4.754 / 42
p0 −4.578 ± 41.01
1D pull distribution
Mean −0.003219 ± 0.0507
Std Dev 0.3325 ± 0.03585
Underflow 0
Overflow 0
χ² / ndf 2.108 / 1
Constant 24.61 ± 5.38
Mean 0.02678 ± 0.07827
Sigma 0.354 ± 0.054

corr_us_dd_evMon2 RMS (ppm)

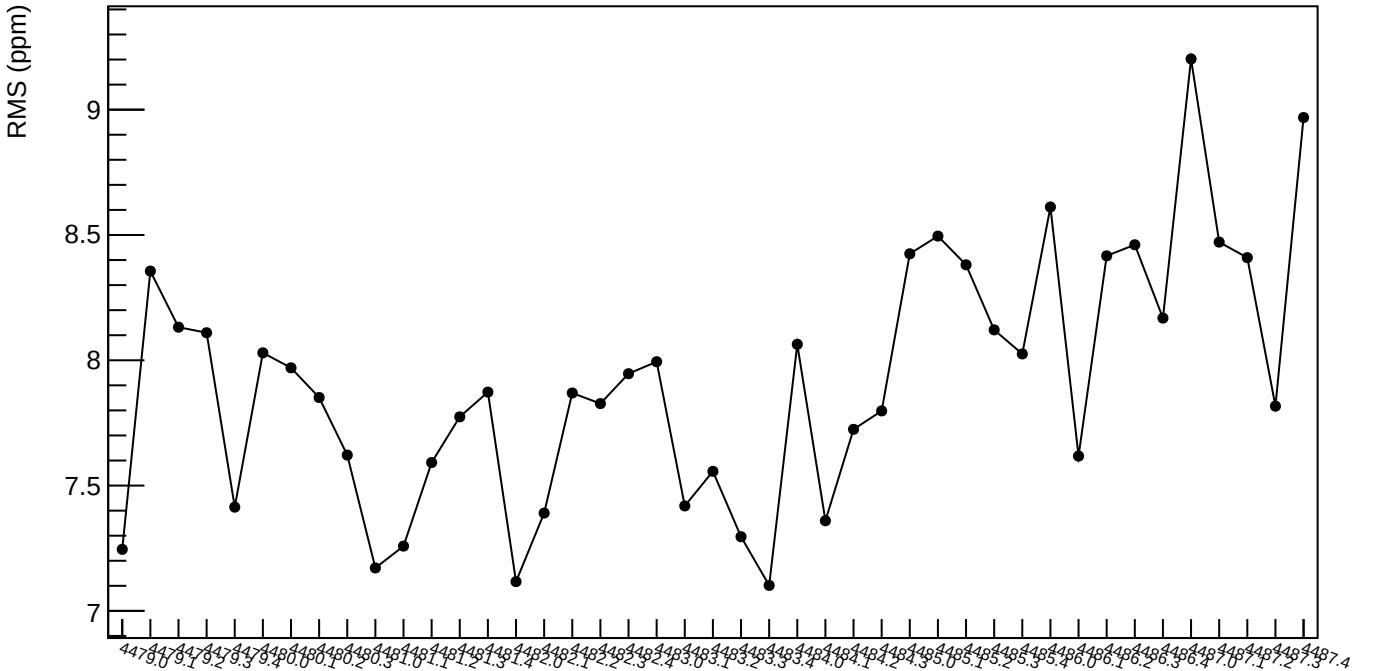


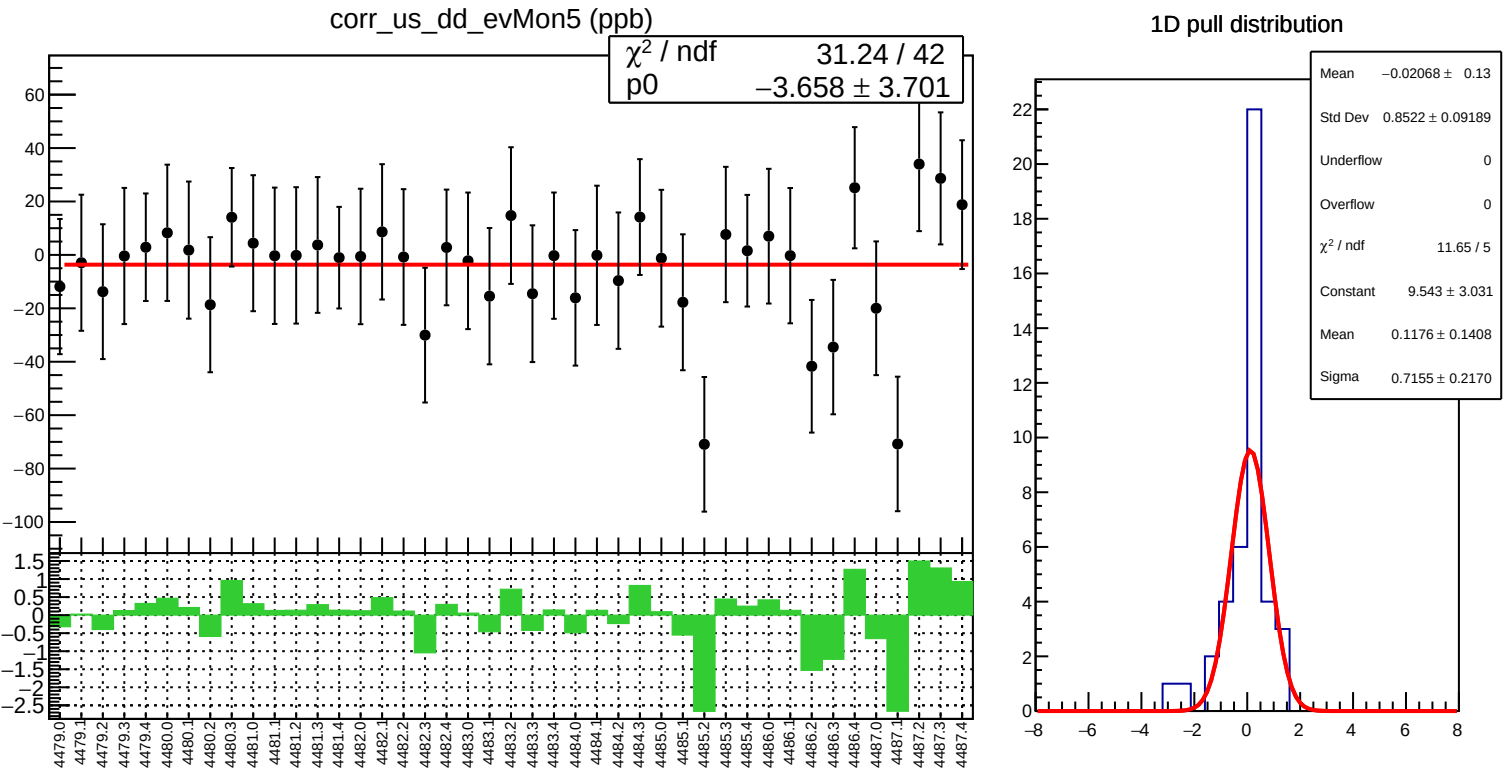

corr_us_dd_evMon3 (ppb)
χ² / ndf 13.82 / 42
p0 −0.5556 ± 18.58
1D pull distribution
Mean 0.00186 ± 0.08646
Std Dev 0.5669 ± 0.06113
Underflow 0
Overflow 0
χ² / ndf 1.034 / 2
Constant 14.63 ± 2.77
Mean 0.0904 ± 0.1332
Sigma 0.6536 ± 0.1034


corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
8
7.5
7
6.5
6

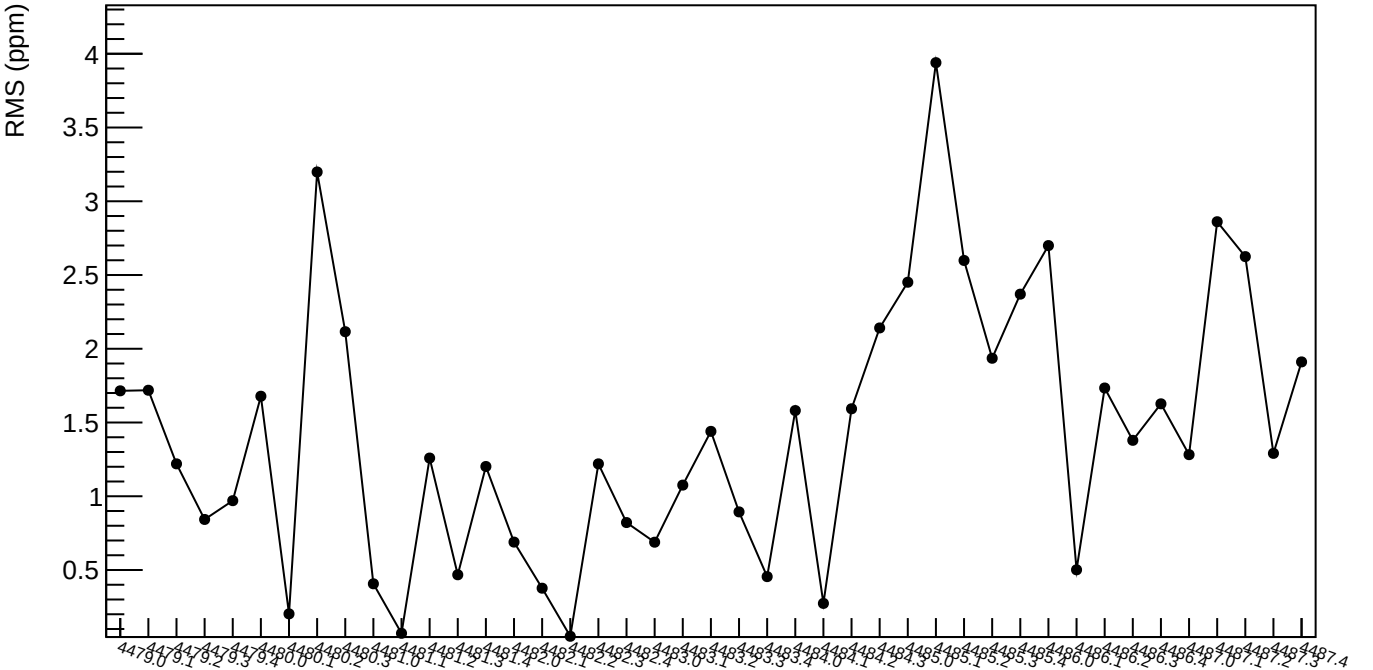

corr_us_dd_evMon4 (ppb)
χ² / ndf 18.94 / 42
p0 −8.238 ± 17.42
1D pull distribution
Mean −0.001779 ± 0.1012
Std Dev 0.6637 ± 0.07157
Underflow 0
Overflow 0
χ² / ndf 4.333 / 4
Constant 13.11 ± 2.57
Mean −0.003451 ± 0.104143
Sigma 0.6304 ± 0.0734

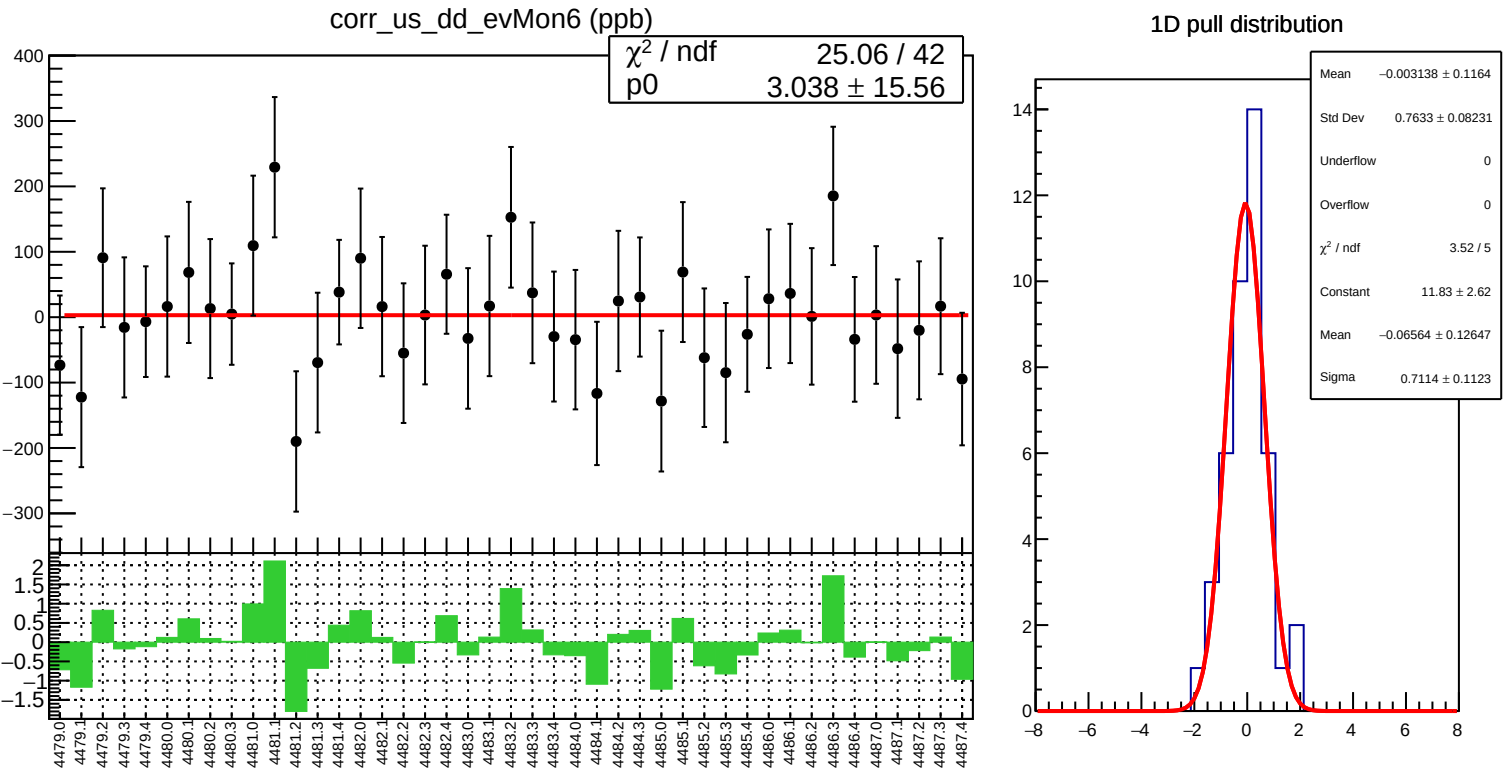
corr_us_dd_evMon4 RMS (ppm)



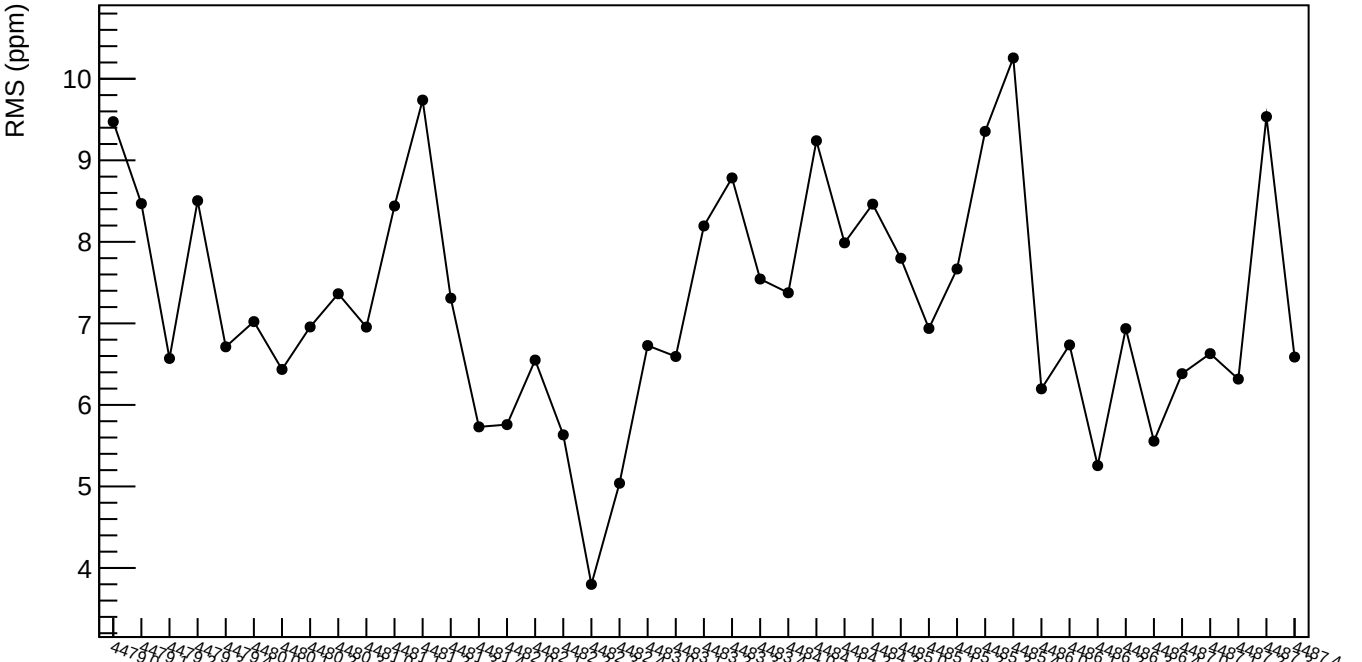

corr_us_dd_evMon5 (ppb)
χ² / ndf 31.24 / 42
p0 −3.658 ± 3.701
1D pull distribution
Mean −0.02068 ± 0.13
Std Dev 0.8522 ± 0.09189
Underflow 0
Overflow 0
χ² / ndf 11.65 / 5
Constant 9.543 ± 3.031
Mean 0.1176 ± 0.1408
Sigma 0.7155 ± 0.2170

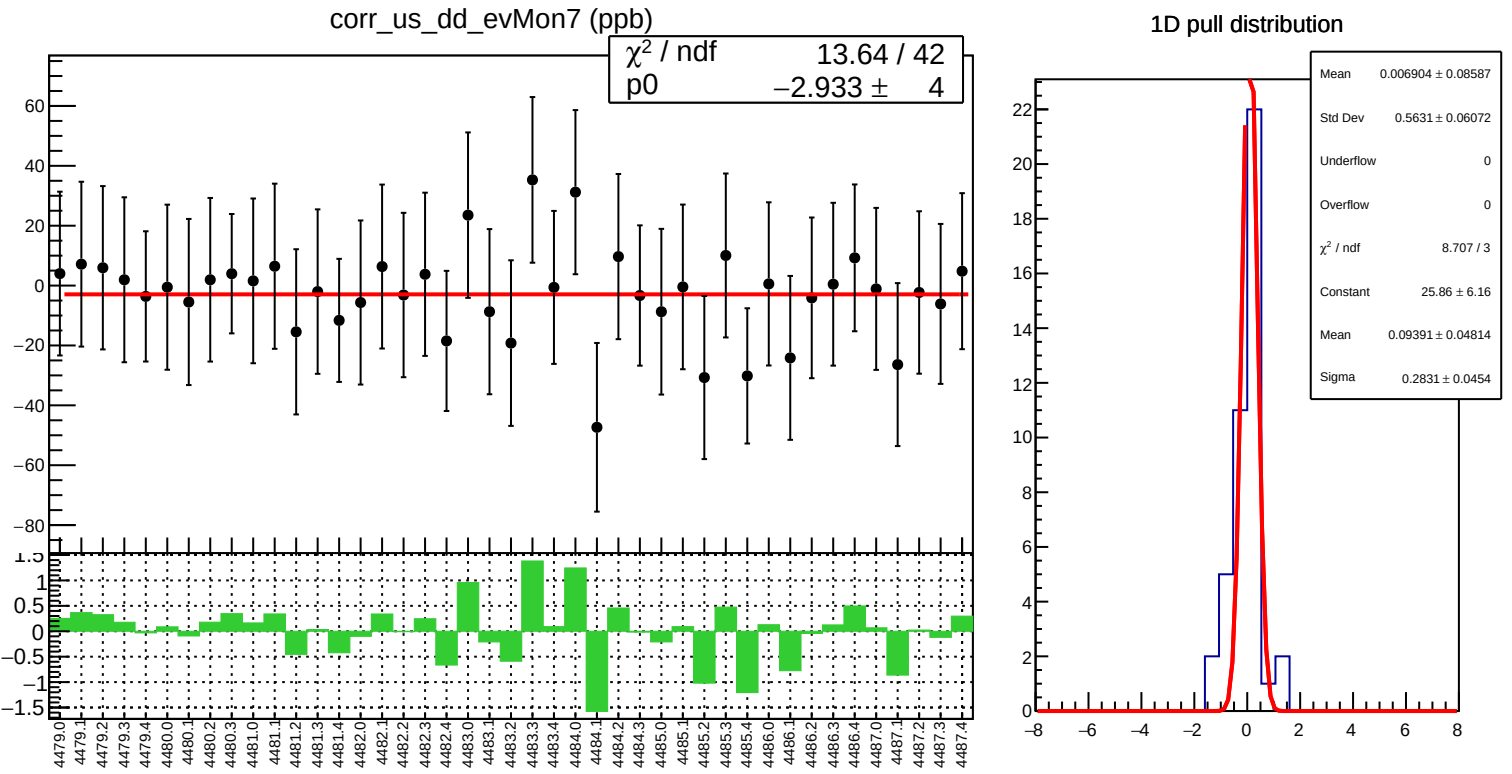
corr_us_dd_evMon5 RMS (ppm)



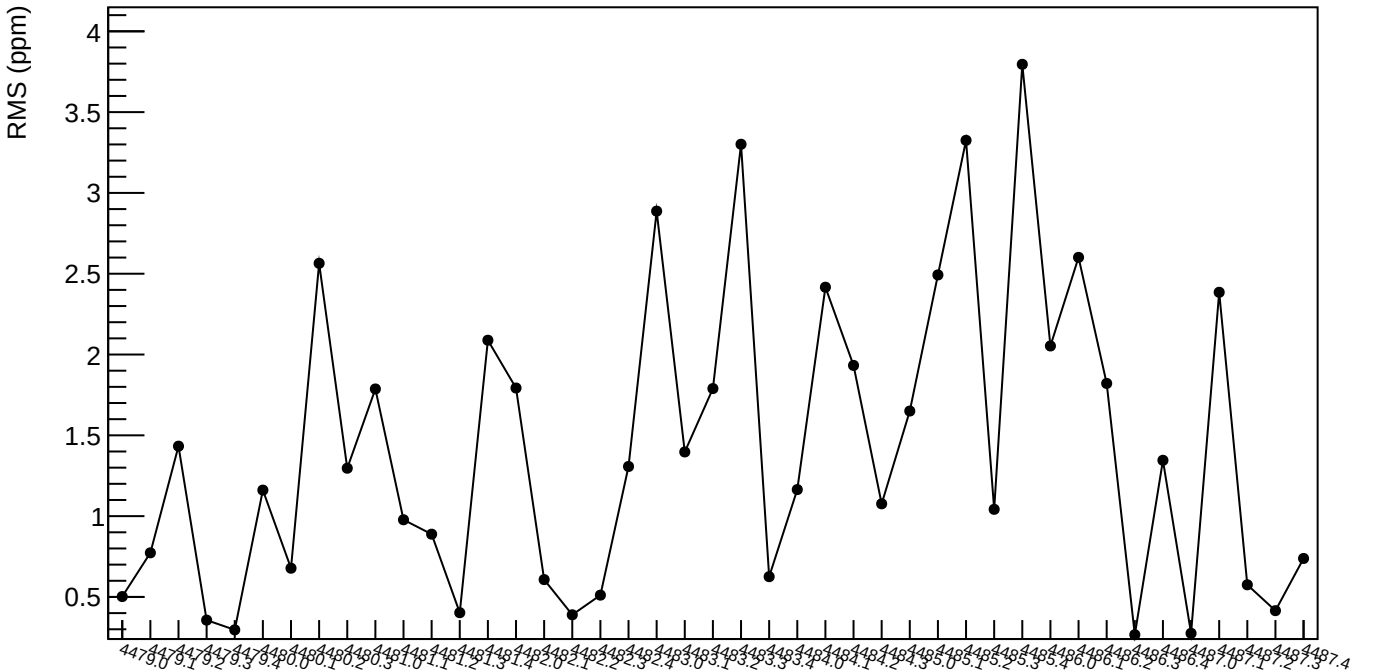

corr_us_dd_evMon6 (ppb)
χ² / ndf 25.06 / 42
p0 3.038 ± 15.56
1D pull distribution
Mean −0.003138 ± 0.1164
Std Dev 0.7633 ± 0.08231
Underflow 0
Overflow 0
χ² / ndf 3.52 / 5
Constant 11.83 ± 2.62
Mean −0.06564 ± 0.12647
Sigma 0.7114 ± 0.1123

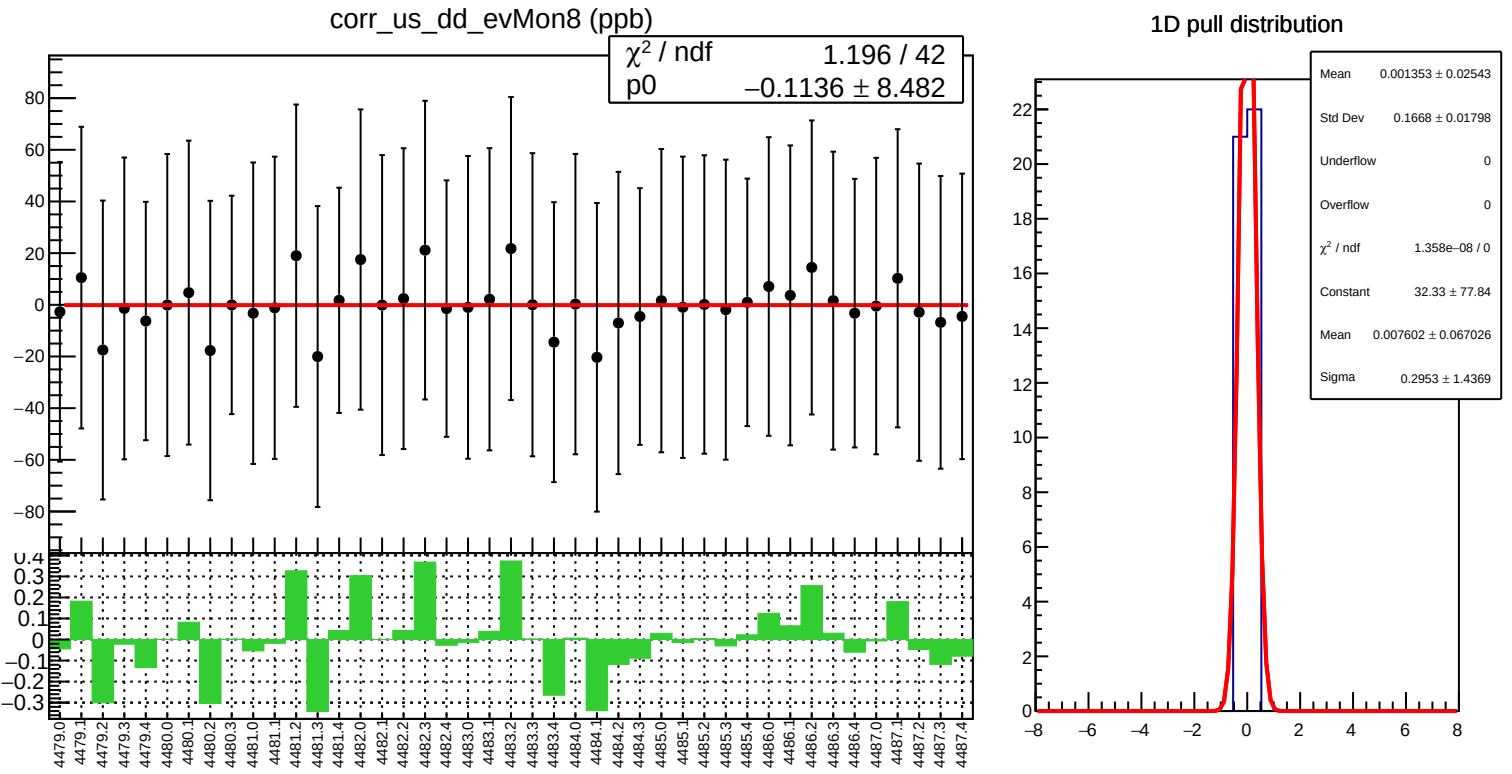
corr_us_dd_evMon6 RMS (ppm)



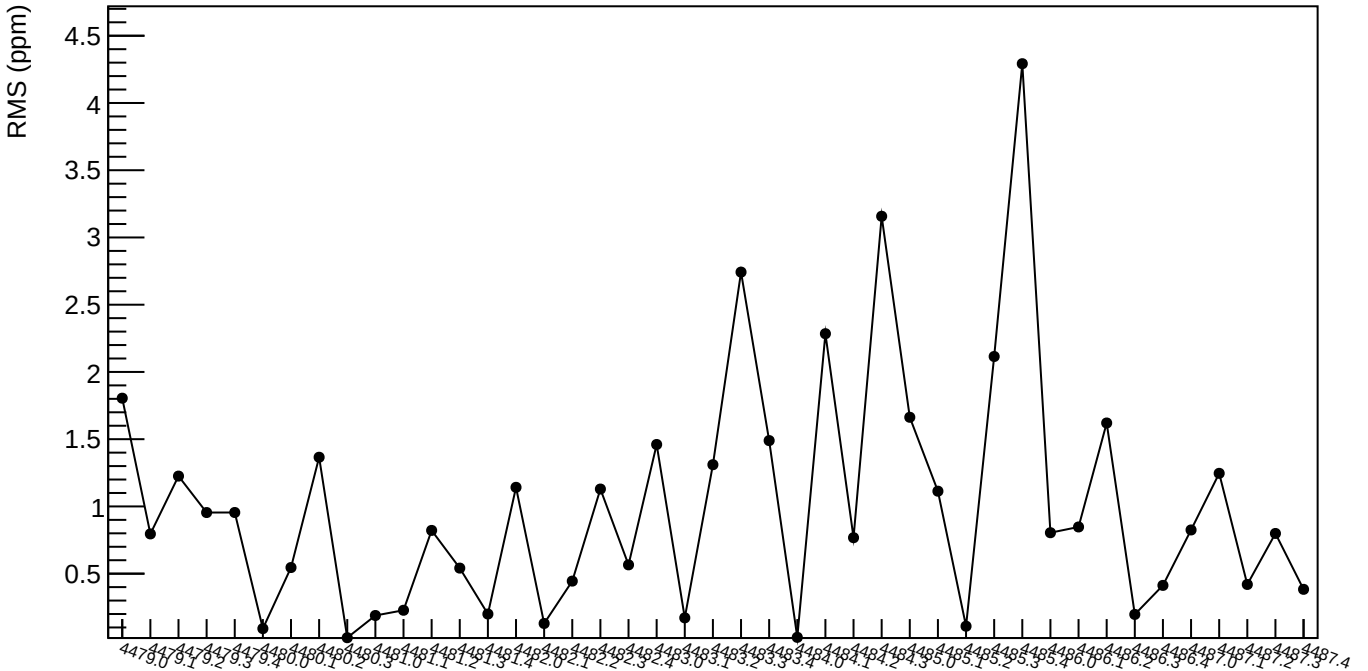

corr_us_dd_evMon7 (ppb)
χ² / ndf 13.64 / 42
p0 −2.933 ± 4
1D pull distribution
Mean 0.006904 ± 0.08587
Std Dev 0.5631 ± 0.06072
Underflow 0
Overflow 0
χ² / ndf 8.707 / 3
Constant 25.86 ± 6.16
Mean 0.09391 ± 0.04814
Sigma 0.2831 ± 0.0454

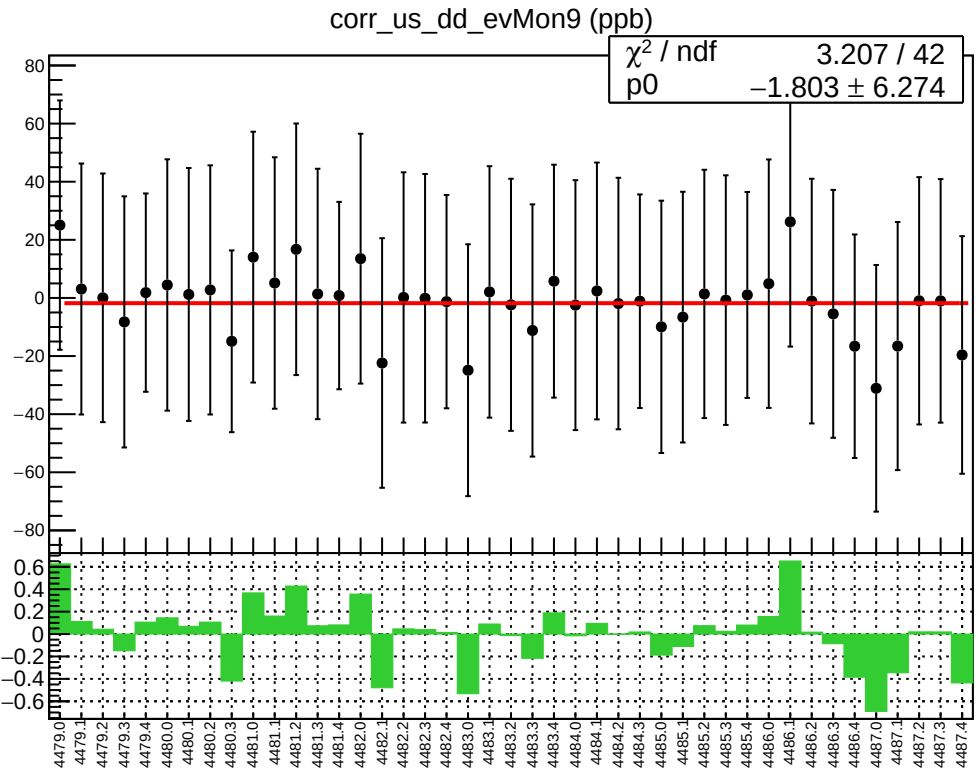
corr_us_dd_evMon7 RMS (ppm)

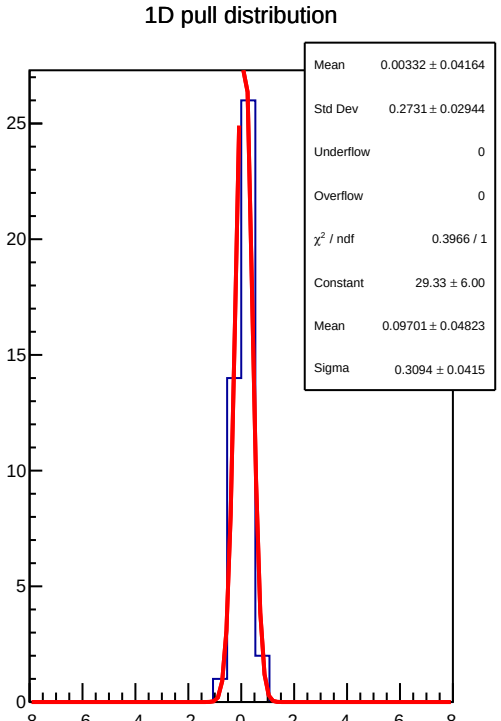



corr_us_dd_evMon8 (ppb)
χ² / ndf 1.196 / 42
p0 −0.1136 ± 8.482
1D pull distribution
Mean 0.001353 ± 0.02543
Std Dev 0.1668 ± 0.01798
Underflow 0
Overflow 0
χ² / ndf 1.358e−08 / 0
Constant 32.33 ± 77.84
Mean 0.007602 ± 0.067026
Sigma 0.2953 ± 1.4369

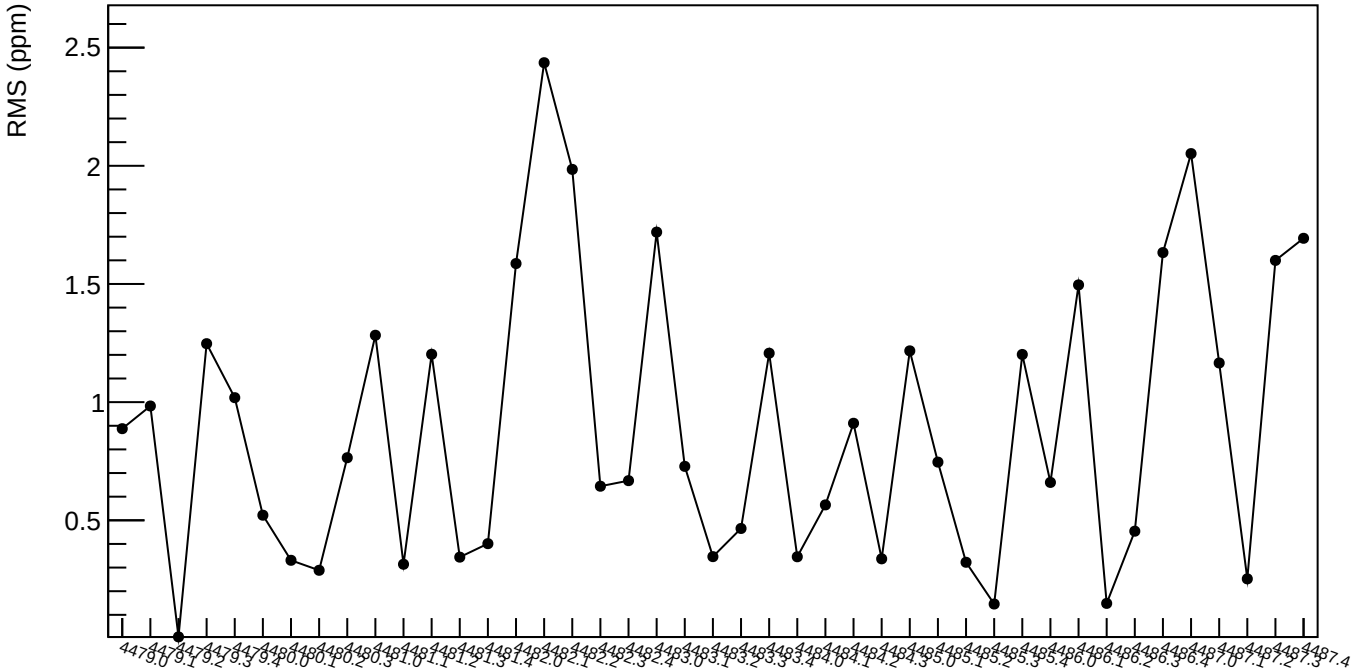
corr_us_dd_evMon8 RMS (ppm)

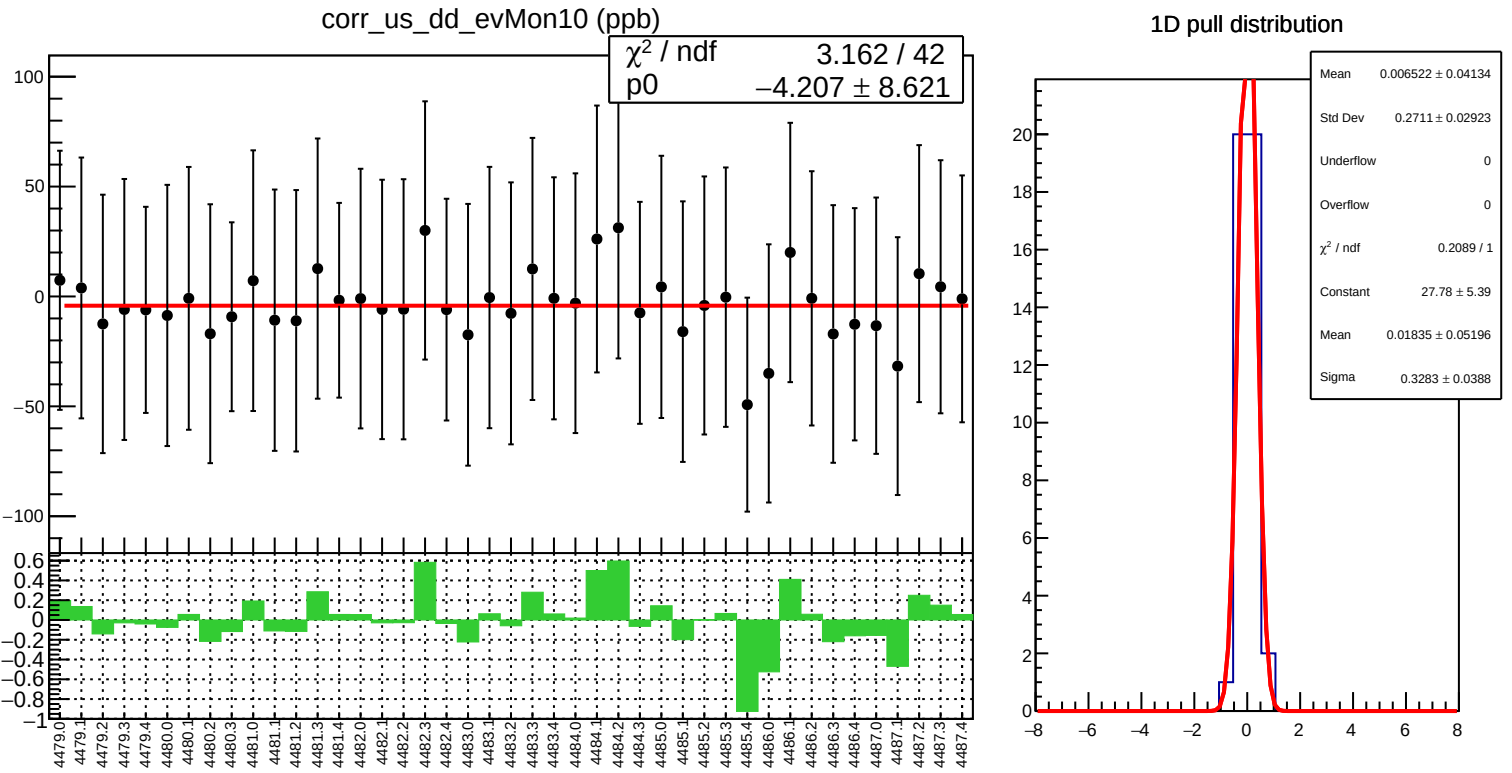

RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
447 447 447 447 447 448 448 448


corr_us_dd_evMon9 (ppb)
χ² / ndf 3.207 / 42
p0 −1.803 ± 6.274
80
60
40
20
0
−20
−40
−60
−80
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

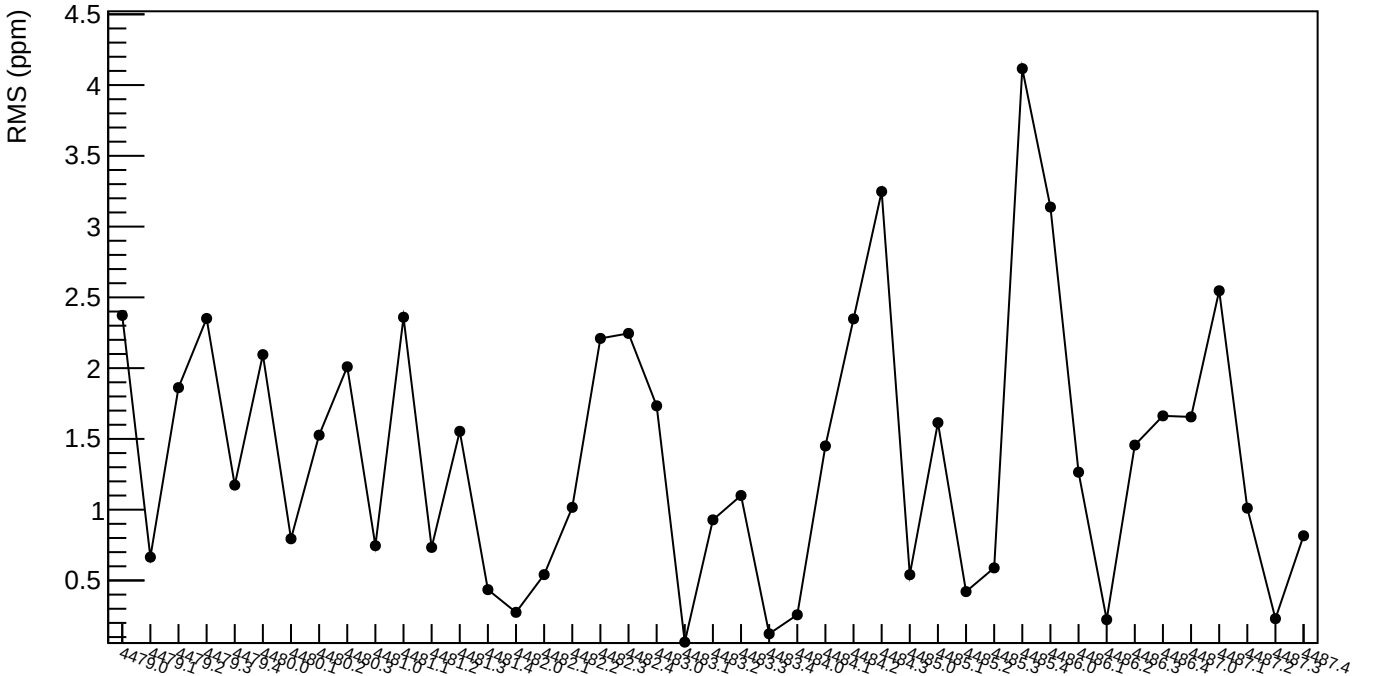

1D pull distribution
Mean 0.00332 ± 0.04164
Std Dev 0.2731 ± 0.02944
Underflow 0
Overflow 0
χ² / ndf 0.3966 / 1
Constant 29.33 ± 6.00
Mean 0.09701 ± 0.04823
Sigma 0.3094 ± 0.0415
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

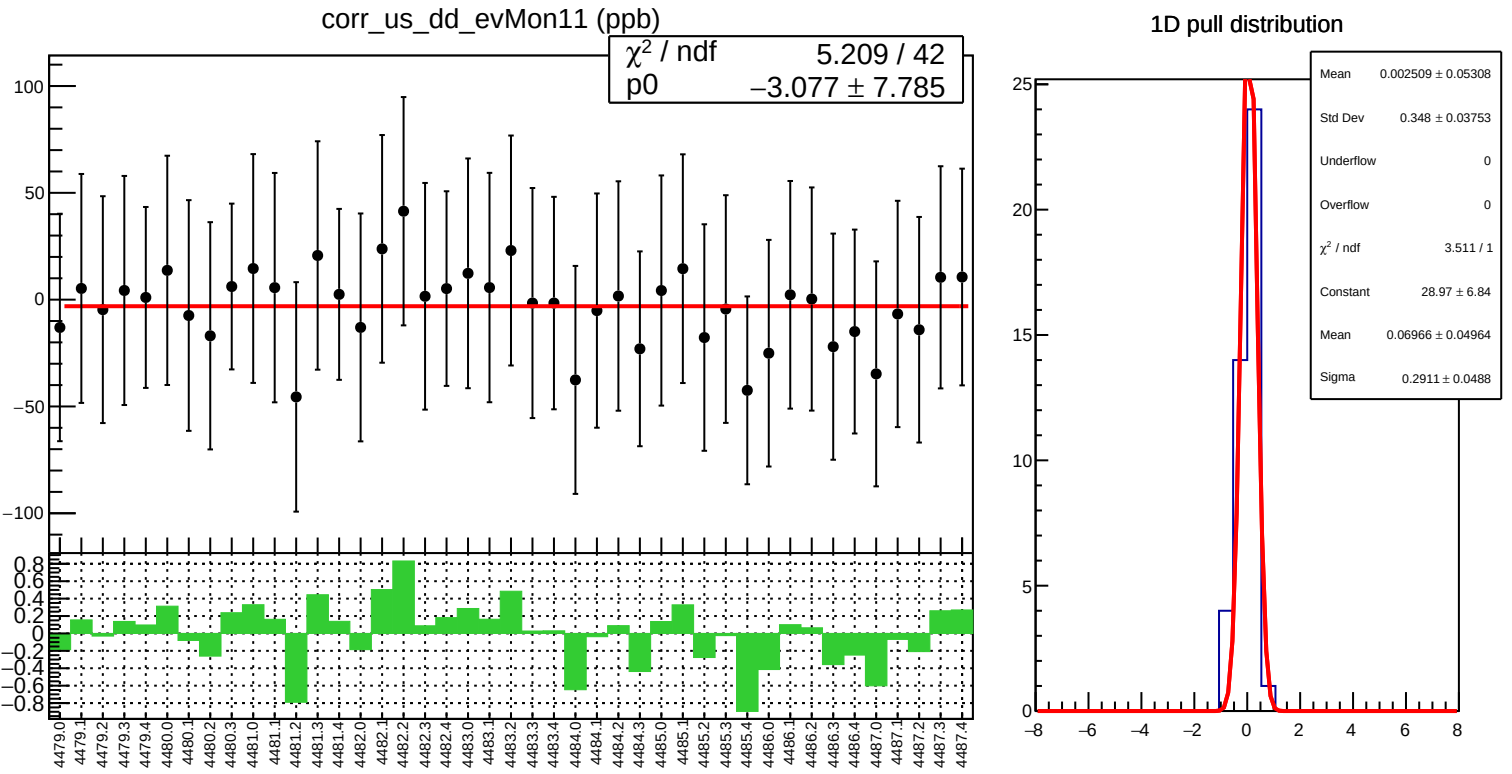
corr_us_dd_evMon9 RMS (ppm)


RMS (ppm)
2.5
2
1.5
1
0.5
447 447 447 447 447 448 448 448

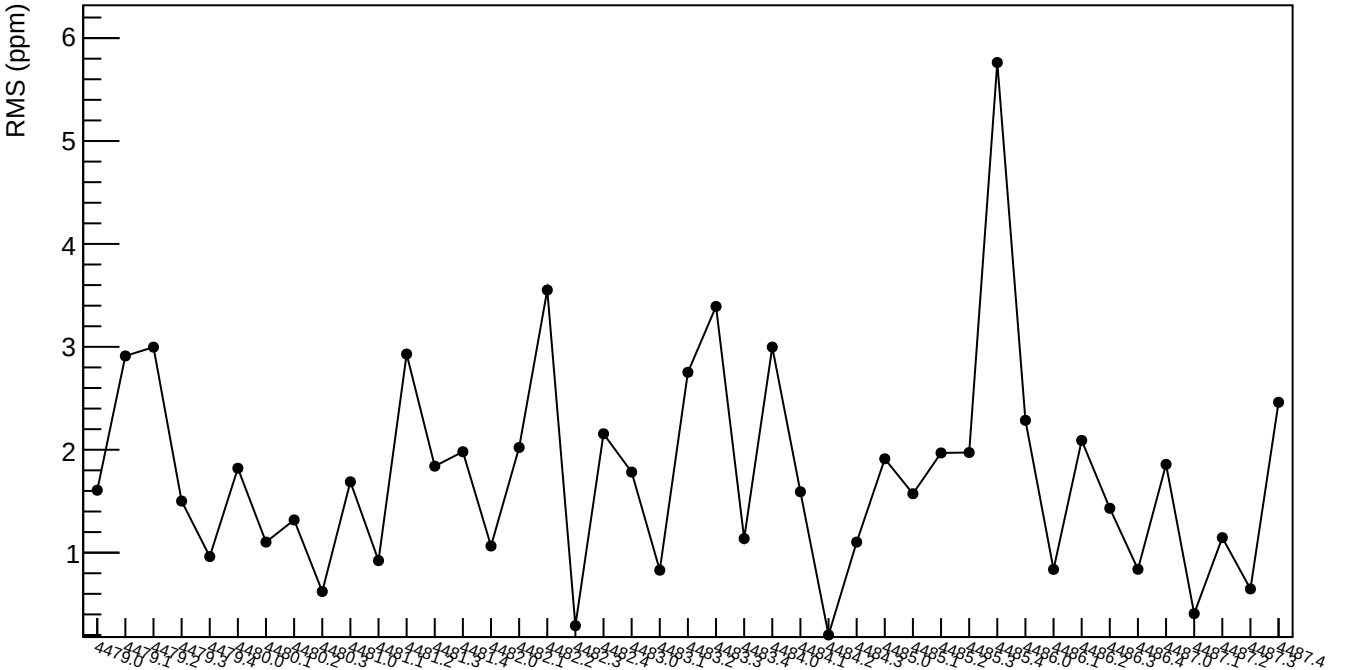

corr_us_dd_evMon10 (ppb)
χ² / ndf 3.162 / 42
p0 −4.207 ± 8.621
1D pull distribution
Mean 0.006522 ± 0.04134
Std Dev 0.2711 ± 0.02923
Underflow 0
Overflow 0
χ² / ndf 0.2089 / 1
Constant 27.78 ± 5.39
Mean 0.01835 ± 0.05196
Sigma 0.3283 ± 0.0388

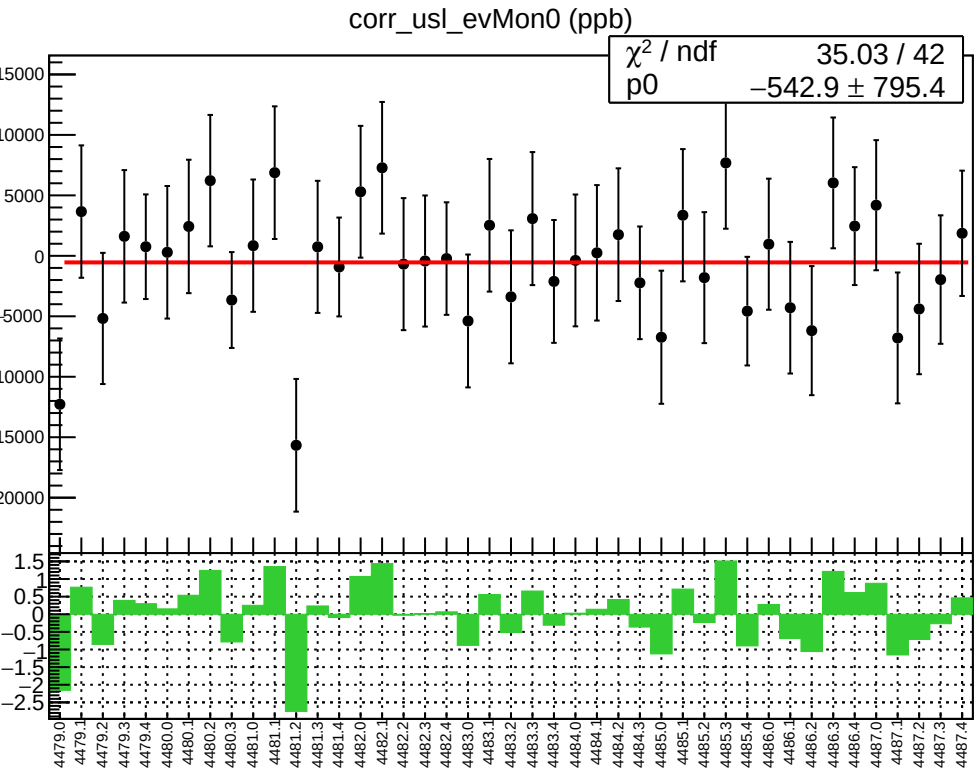
corr_us_dd_evMon10 RMS (ppm)

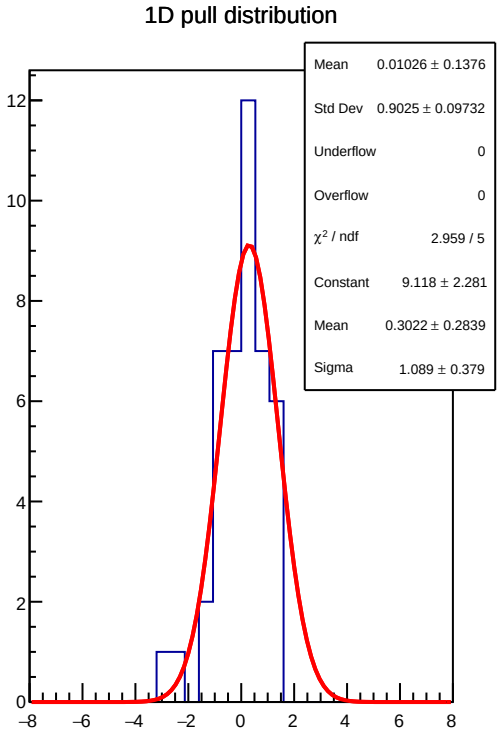



corr_us_dd_evMon11 (ppb)
χ² / ndf 5.209 / 42
p0 −3.077 ± 7.785
1D pull distribution
Mean 0.002509 ± 0.05308
Std Dev 0.348 ± 0.03753
Underflow 0
Overflow 0
χ² / ndf 3.511 / 1
Constant 28.97 ± 6.84
Mean 0.06966 ± 0.04964
Sigma 0.2911 ± 0.0488

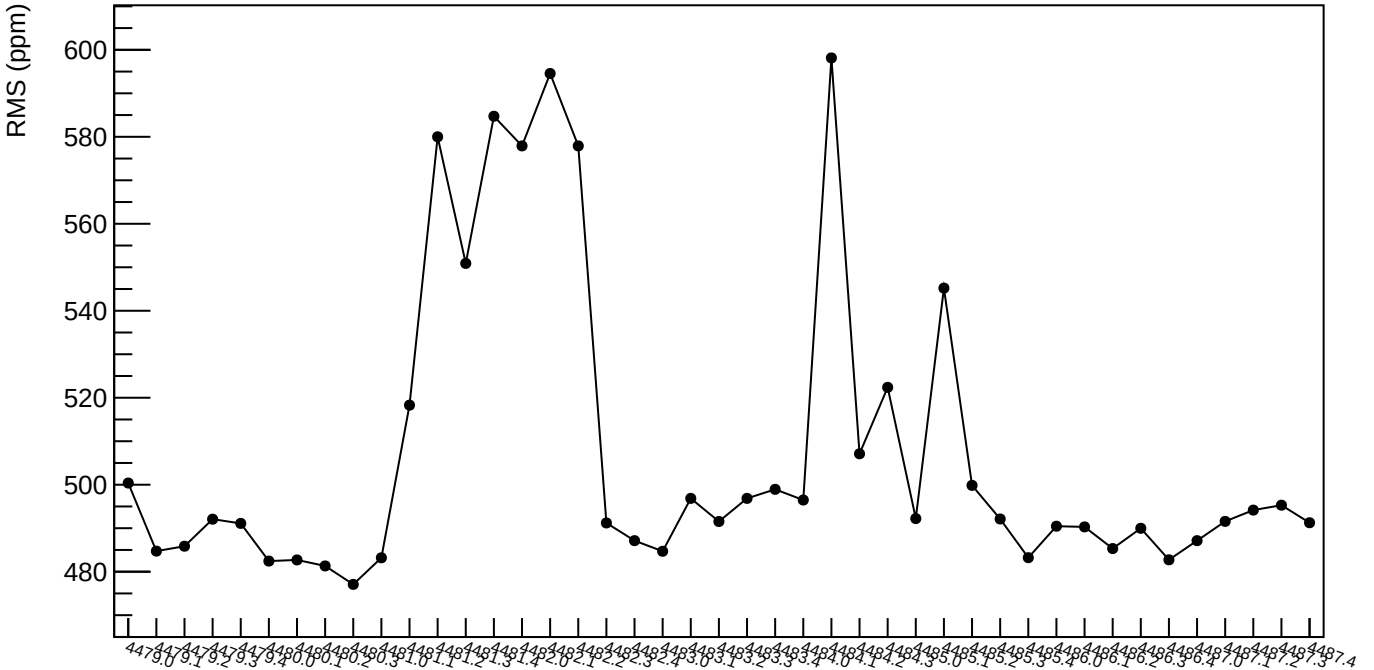
corr_us_dd_evMon11 RMS (ppm)

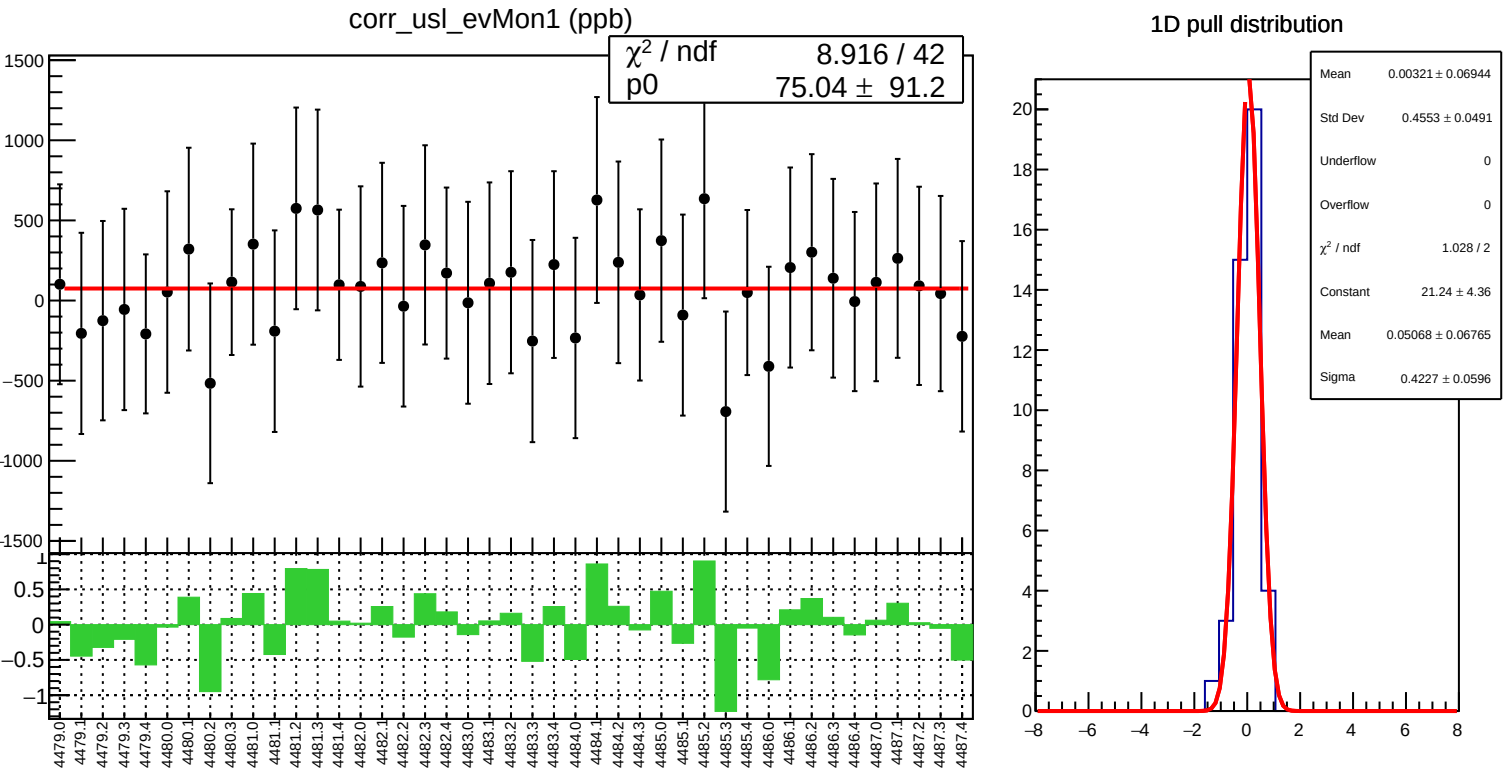



corr_usl_evMon0 (ppb)
χ² / ndf 35.03 / 42
p0 −542.9 ± 795.4

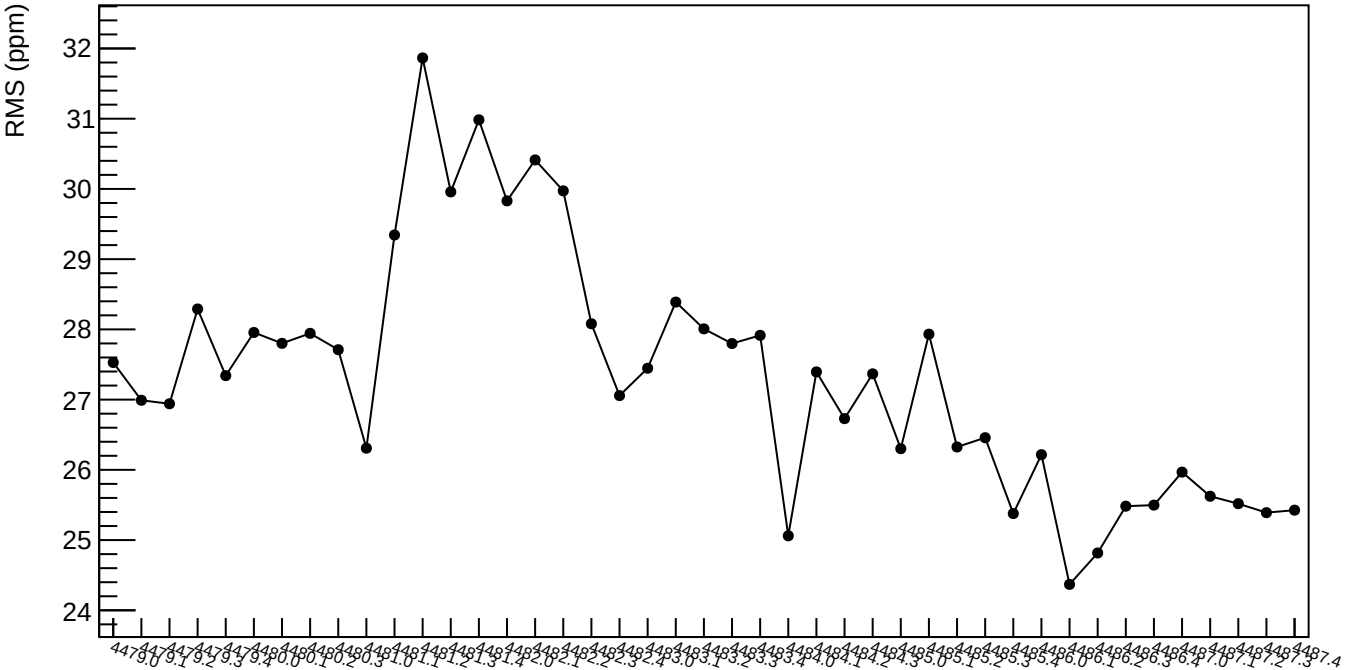

1D pull distribution
Mean 0.01026 ± 0.1376
Std Dev 0.9025 ± 0.09732
Underflow 0
Overflow 0
χ² / ndf 2.959 / 5
Constant 9.118 ± 2.281
Mean 0.3022 ± 0.2839
Sigma 1.089 ± 0.379

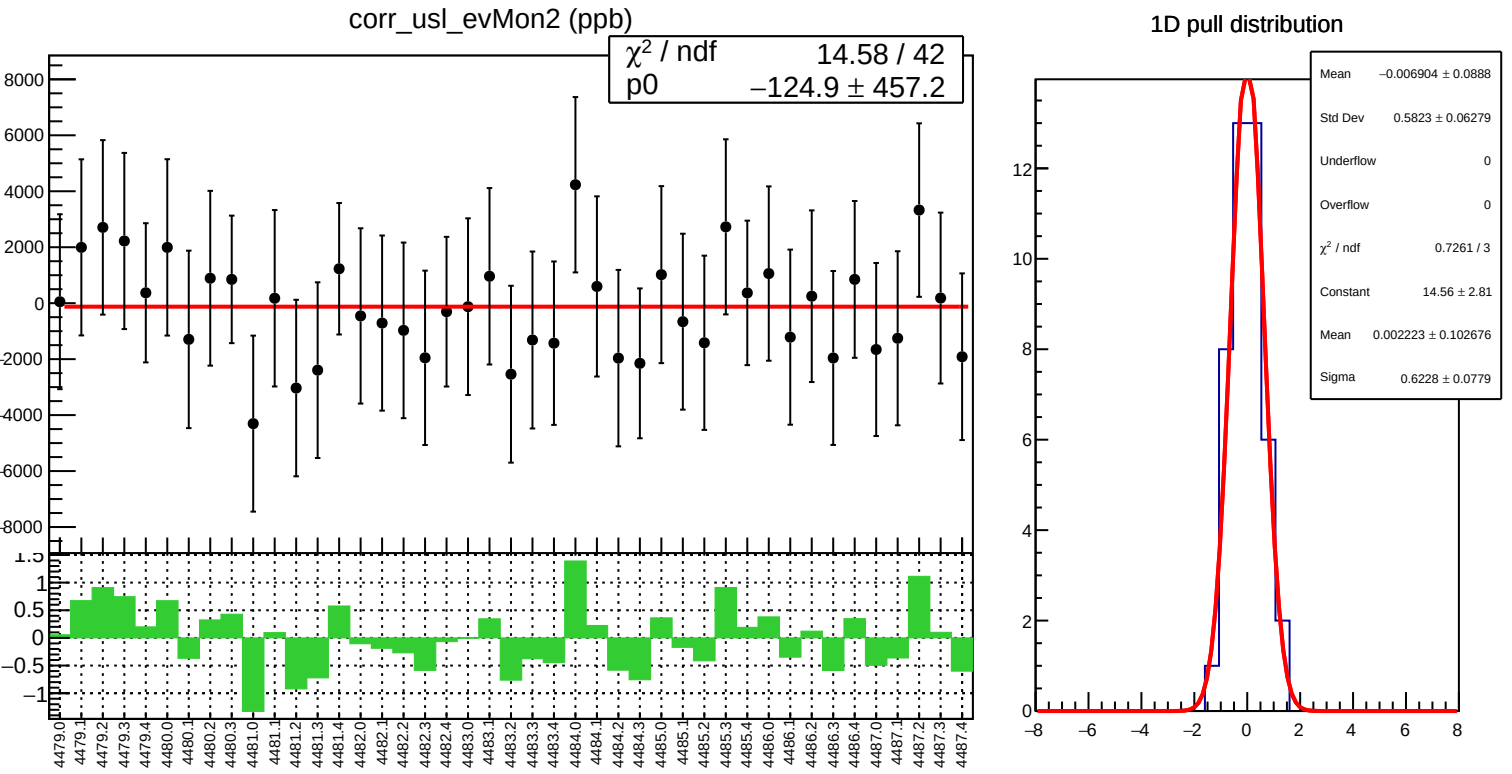
corr_usl_evMon0 RMS (ppm)



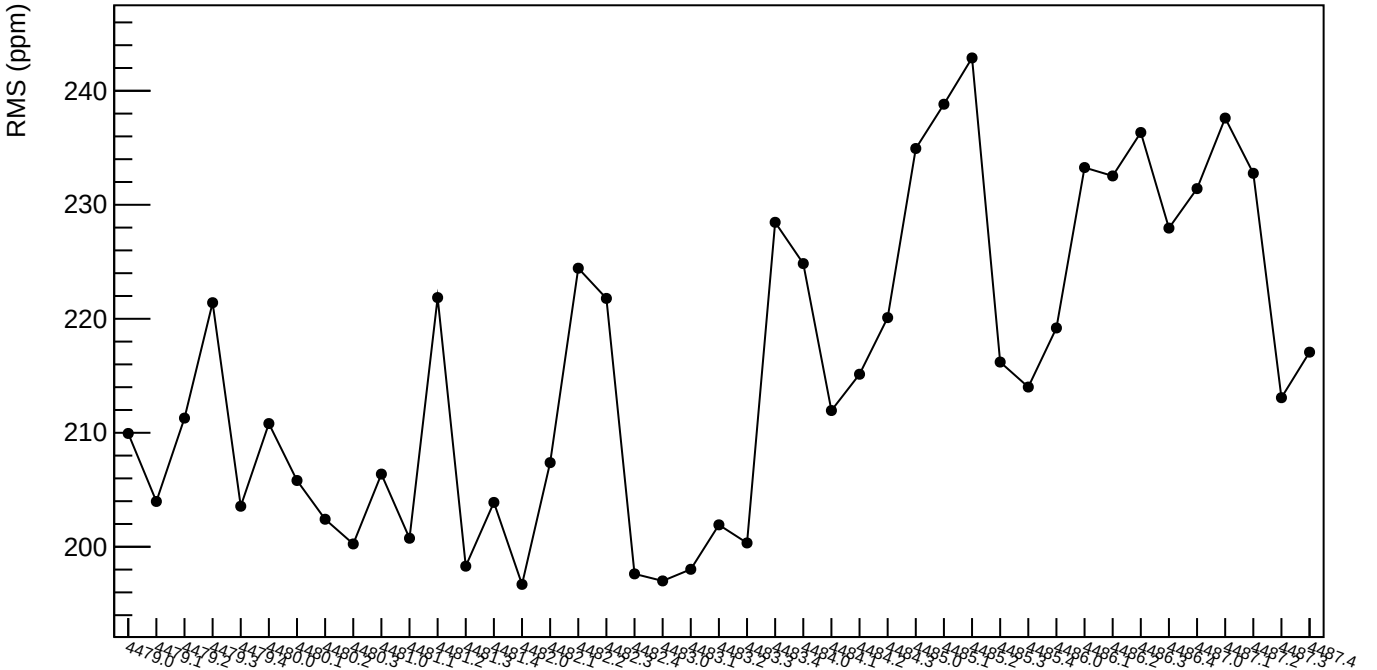

corr_usl_evMon1 (ppb)
χ² / ndf 8.916 / 42
p0 75.04 ± 91.2
1D pull distribution
Mean 0.00321 ± 0.06944
Std Dev 0.4553 ± 0.0491
Underflow 0
Overflow 0
χ² / ndf 1.028 / 2
Constant 21.24 ± 4.36
Mean 0.05068 ± 0.06765
Sigma 0.4227 ± 0.0596

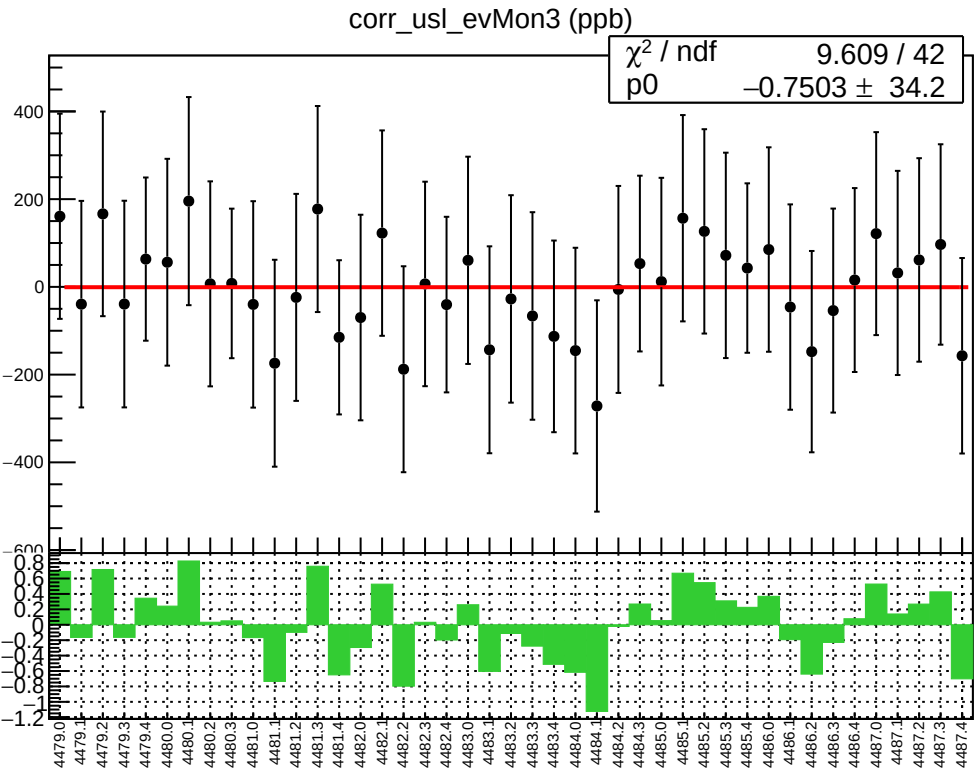
corr_usl_evMon1 RMS (ppm)

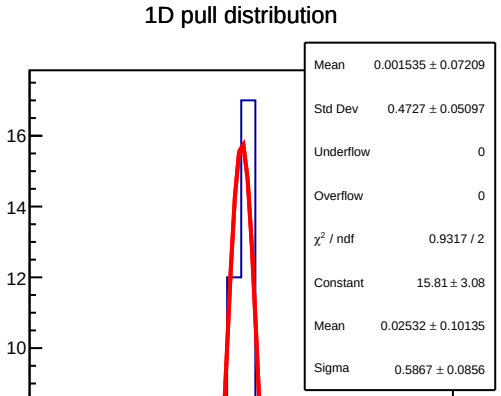



corr_usl_evMon2 (ppb)
χ² / ndf 14.58 / 42
p0 −124.9 ± 457.2
1D pull distribution
Mean −0.006904 ± 0.0888
Std Dev 0.5823 ± 0.06279
Underflow 0
Overflow 0
χ² / ndf 0.7261 / 3
Constant 14.56 ± 2.81
Mean 0.002223 ± 0.102676
Sigma 0.6228 ± 0.0779

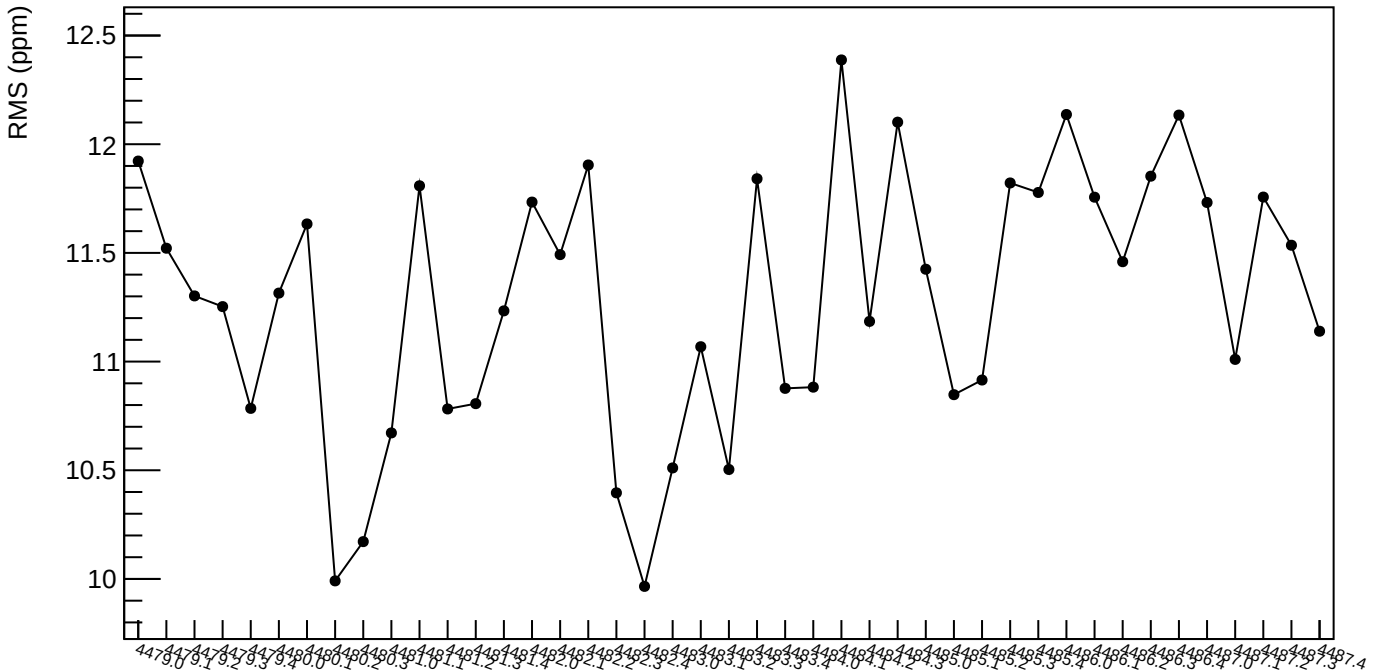
corr_usl_evMon2 RMS (ppm)

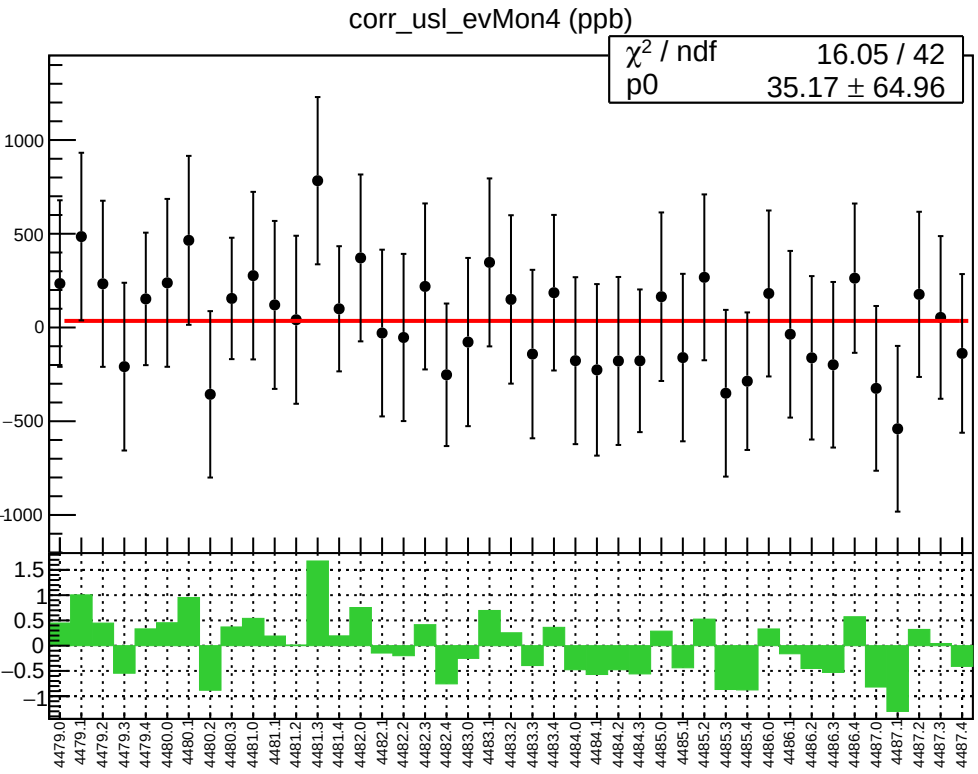


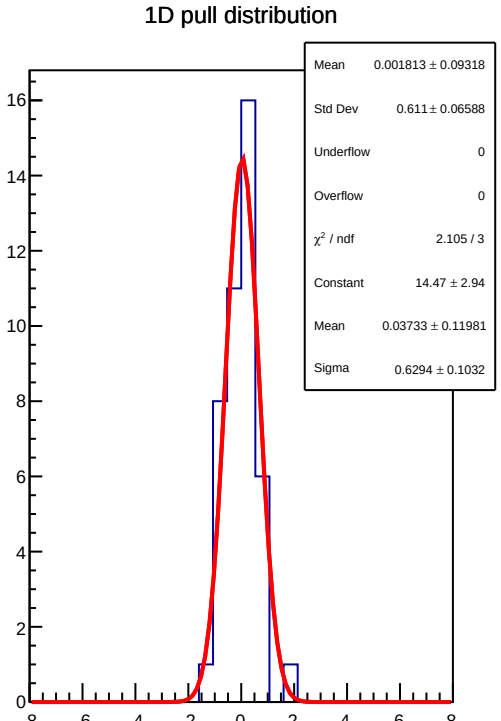

corr_usl_evMon3 (ppb)
χ² / ndf 9.609 / 42
p0 −0.7503 ± 34.2


1D pull distribution
Mean 0.001535 ± 0.07209
Std Dev 0.4727 ± 0.05097
Underflow 0
Overflow 0
χ² / ndf 0.9317 / 2
Constant 15.81 ± 3.08
Mean 0.02532 ± 0.10135
Sigma 0.5867 ± 0.0856

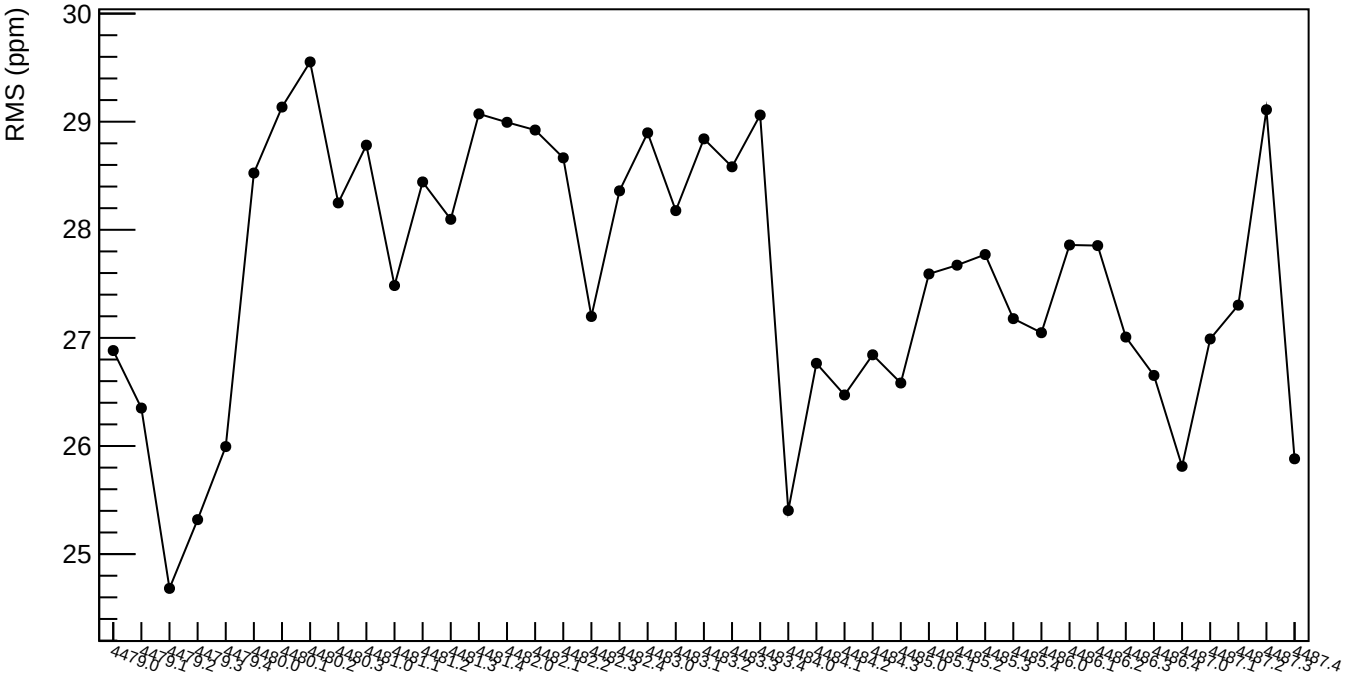
corr_usl_evMon3 RMS (ppm)

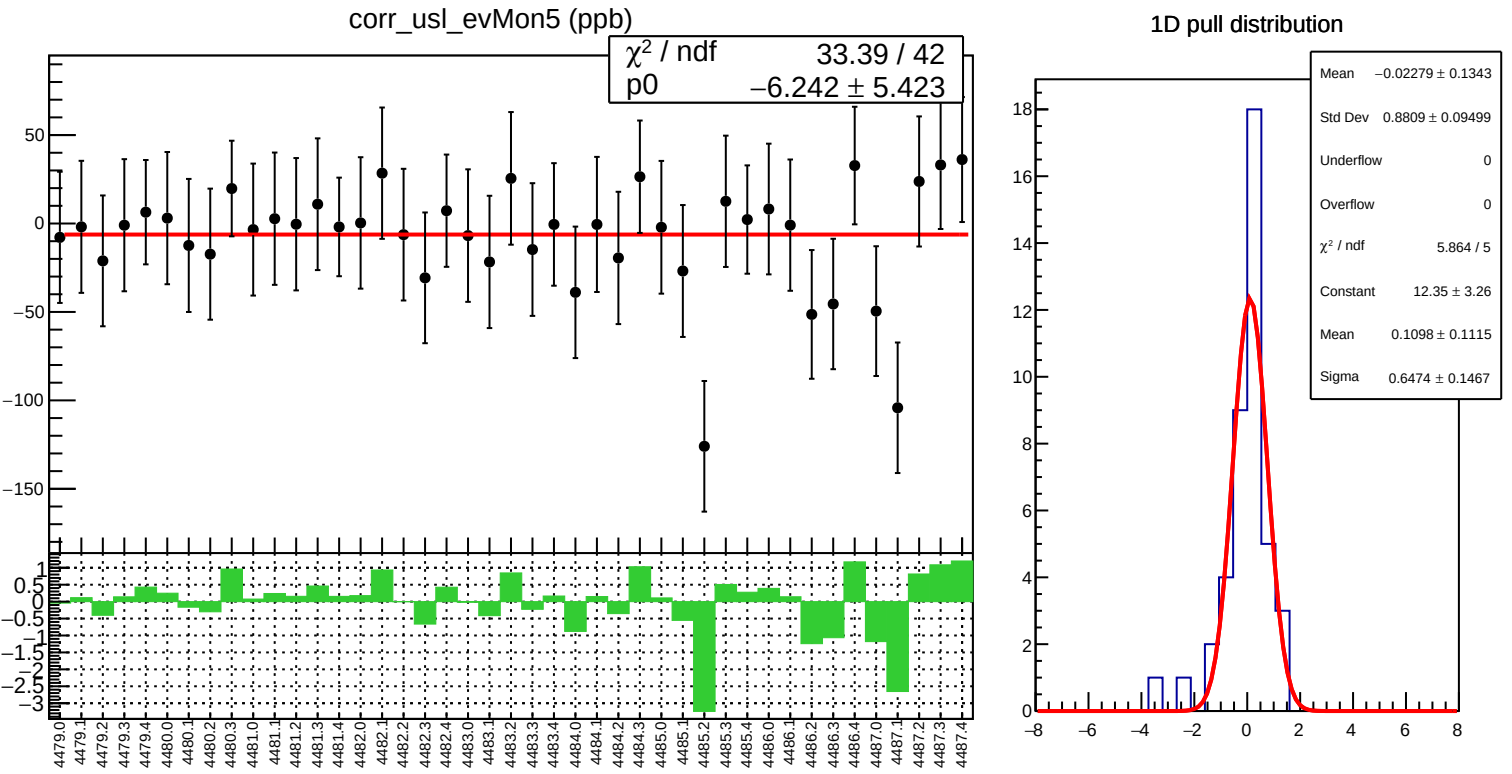



corr_usl_evMon4 (ppb)
χ² / ndf 16.05 / 42
p0 35.17 ± 64.96
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

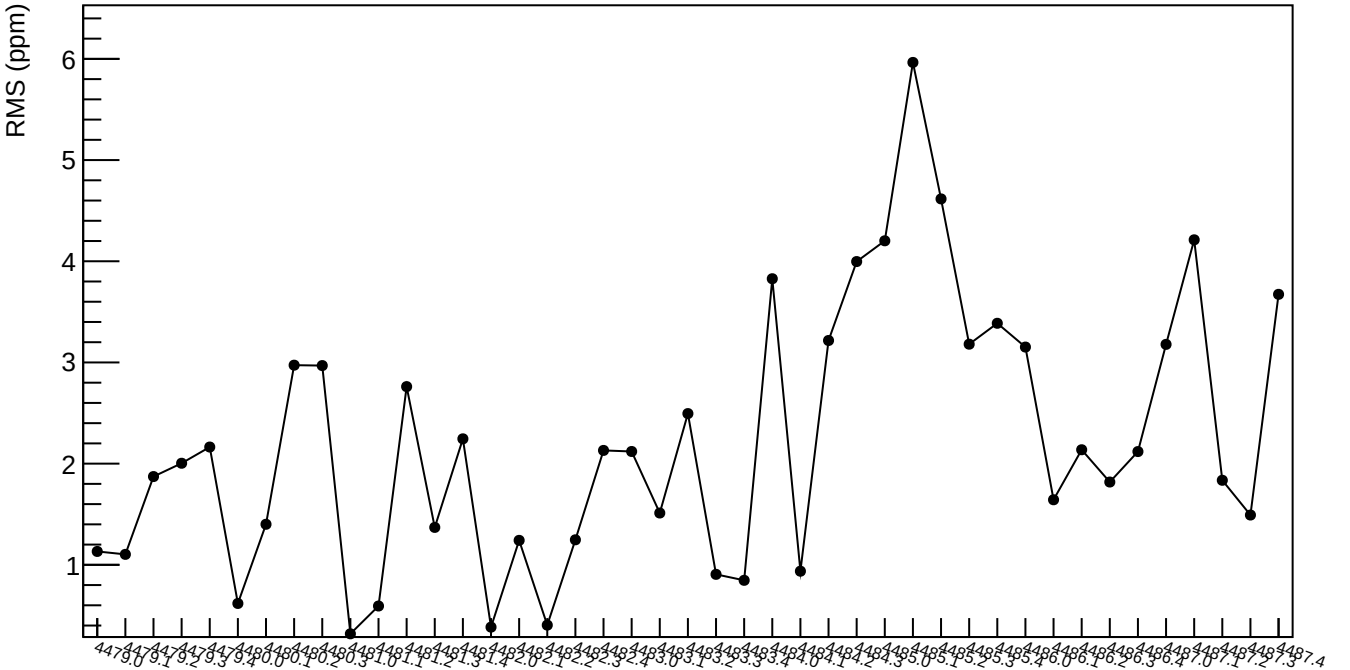

1D pull distribution
Mean 0.001813 ± 0.09318
Std Dev 0.611 ± 0.06588
Underflow 0
Overflow 0
χ² / ndf 2.105 / 3
Constant 14.47 ± 2.94
Mean 0.03733 ± 0.11981
Sigma 0.6294 ± 0.1032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

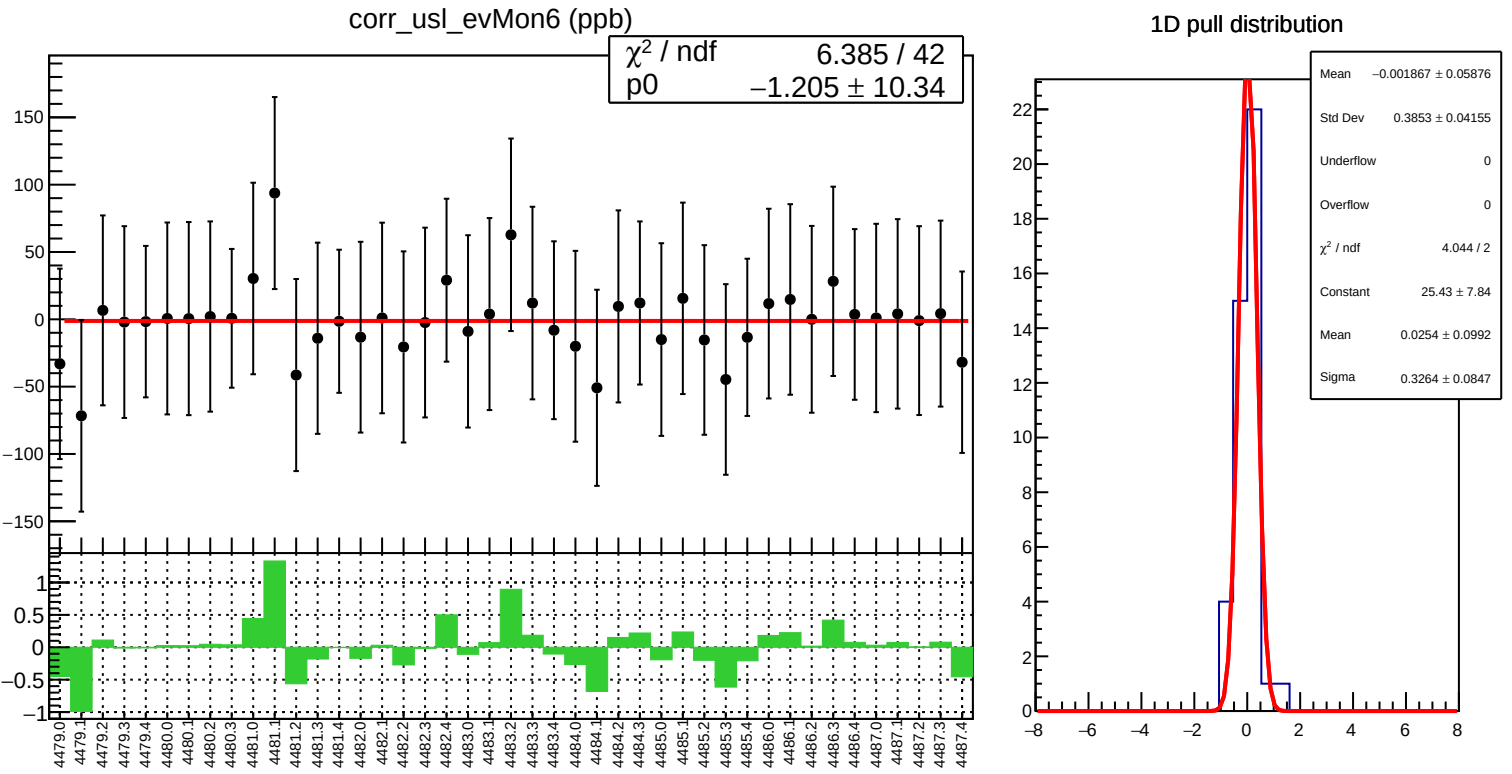
corr_usl_evMon4 RMS (ppm)



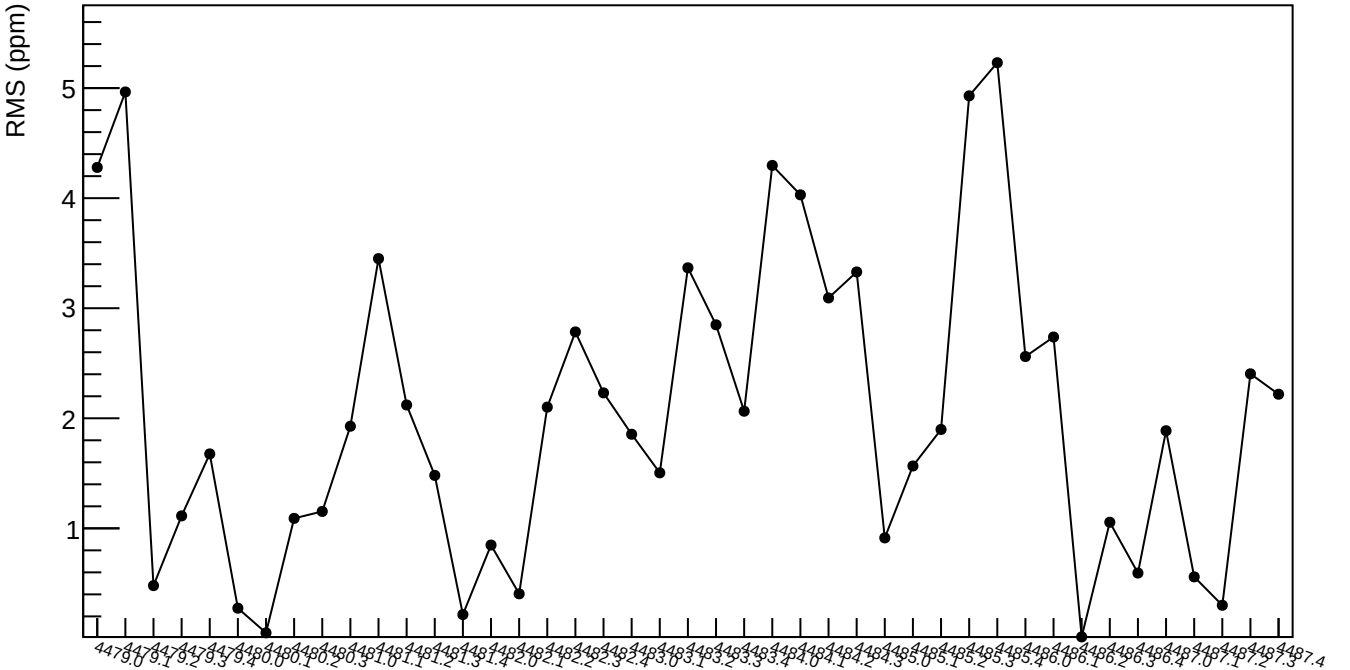

corr_usl_evMon5 (ppb)
χ² / ndf 33.39 / 42
p0 −6.242 ± 5.423
1D pull distribution
Mean −0.02279 ± 0.1343
Std Dev 0.8809 ± 0.09499
Underflow 0
Overflow 0
χ² / ndf 5.864 / 5
Constant 12.35 ± 3.26
Mean 0.1098 ± 0.1115
Sigma 0.6474 ± 0.1467

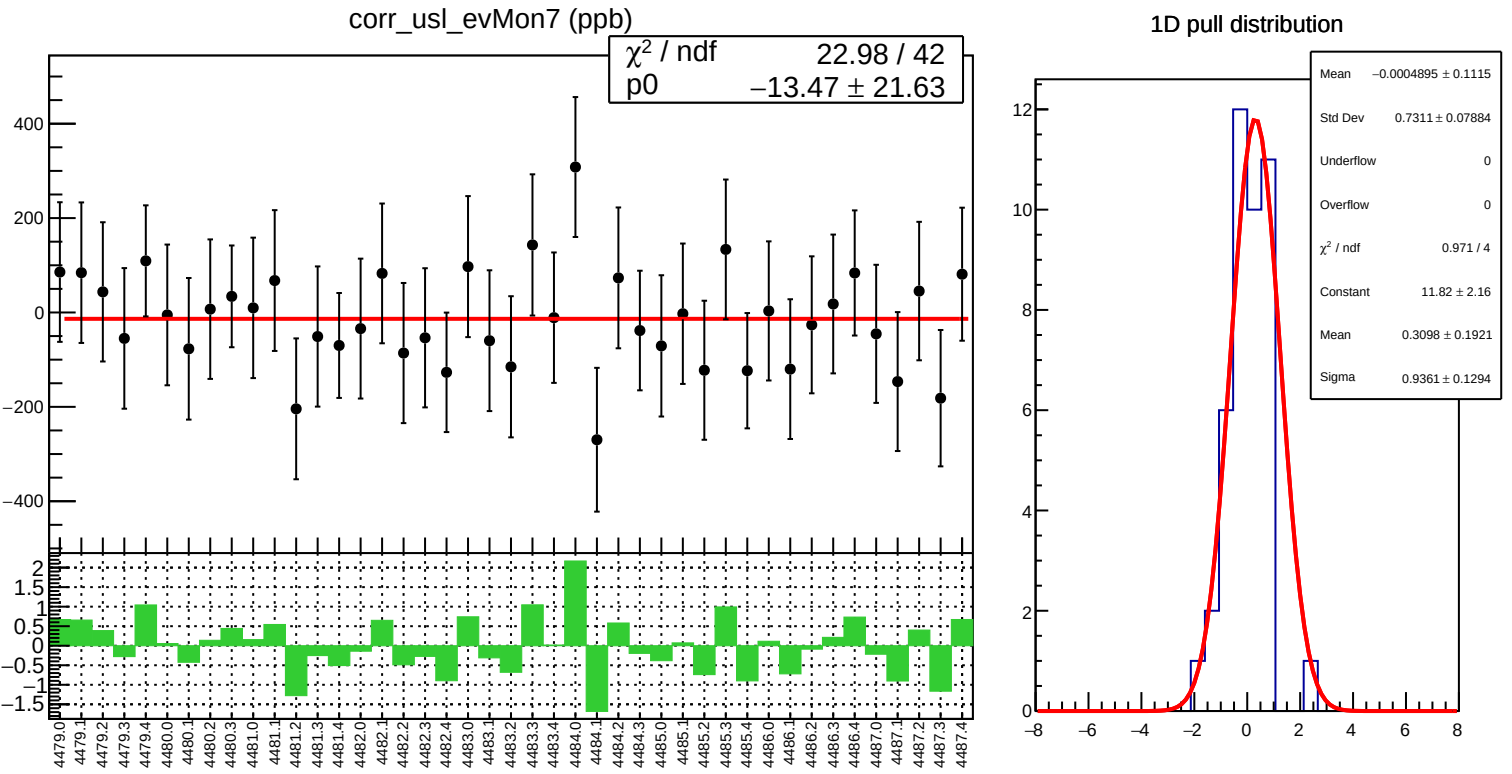
corr_usl_evMon5 RMS (ppm)



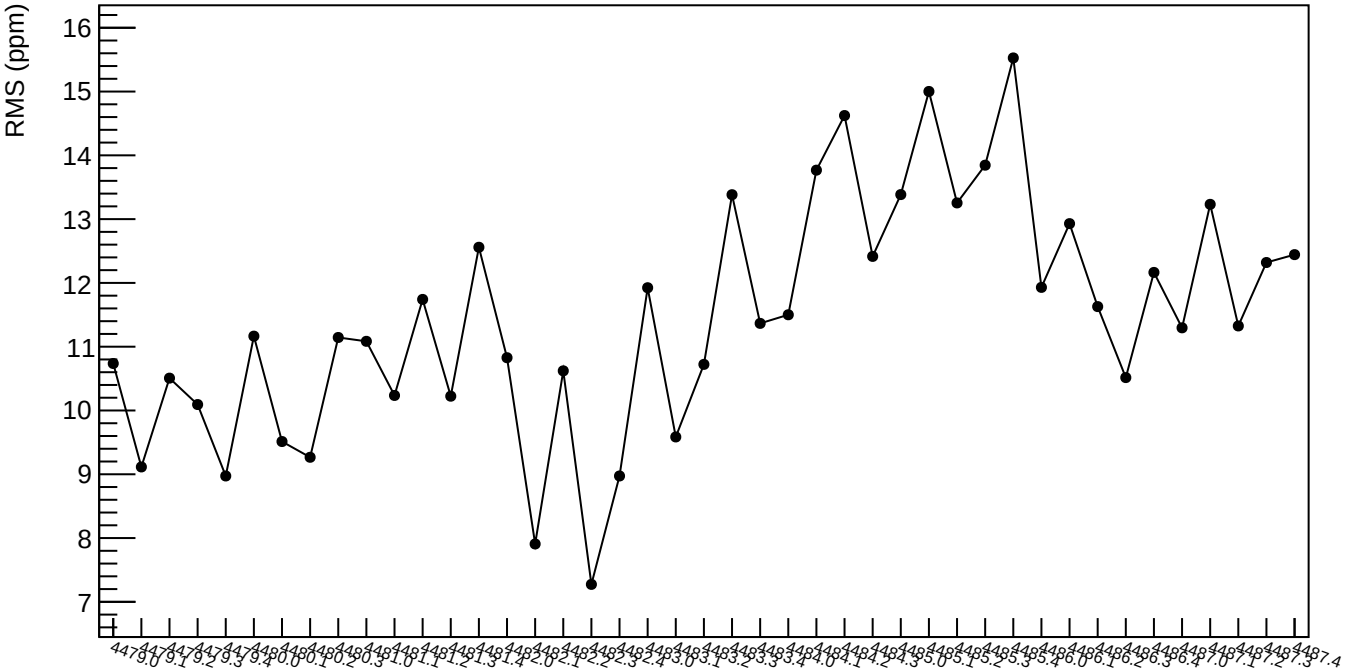

corr_usl_evMon6 (ppb)
χ² / ndf 6.385 / 42
p0 −1.205 ± 10.34
1D pull distribution
Mean −0.001867 ± 0.05876
Std Dev 0.3853 ± 0.04155
Underflow 0
Overflow 0
χ² / ndf 4.044 / 2
Constant 25.43 ± 7.84
Mean 0.0254 ± 0.0992
Sigma 0.3264 ± 0.0847

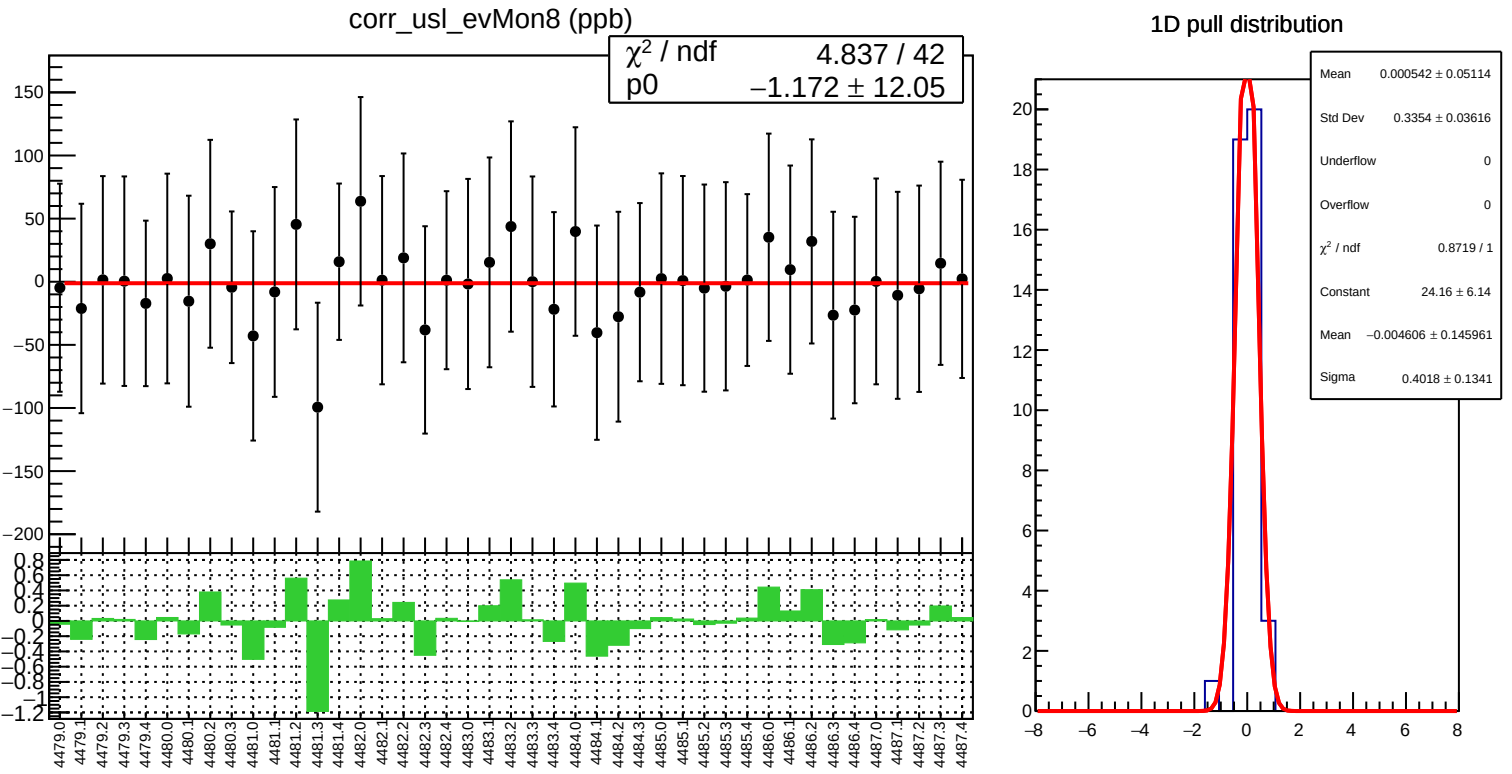
corr_usl_evMon6 RMS (ppm)



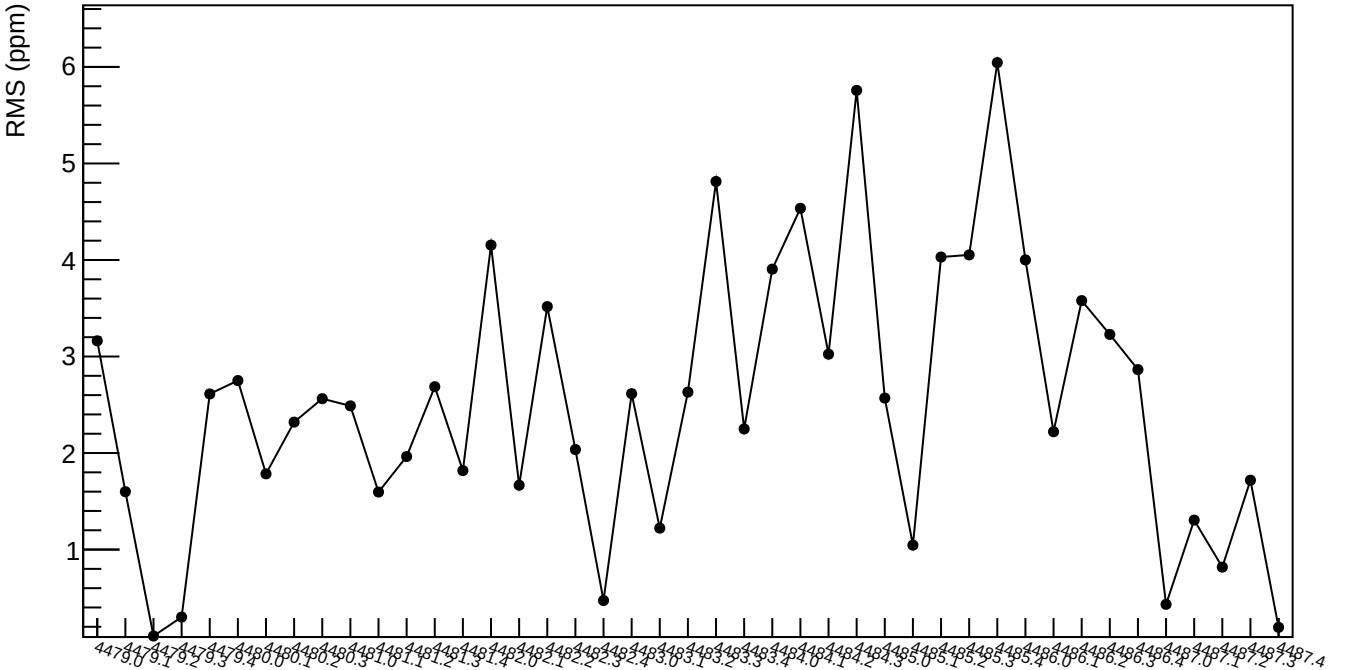

corr_usl_evMon7 (ppb)
χ² / ndf 22.98 / 42
p0 −13.47 ± 21.63
1D pull distribution
Mean −0.0004895 ± 0.1115
Std Dev 0.7311 ± 0.07884
Underflow 0
Overflow 0
χ² / ndf 0.971 / 4
Constant 11.82 ± 2.16
Mean 0.3098 ± 0.1921
Sigma 0.9361 ± 0.1294

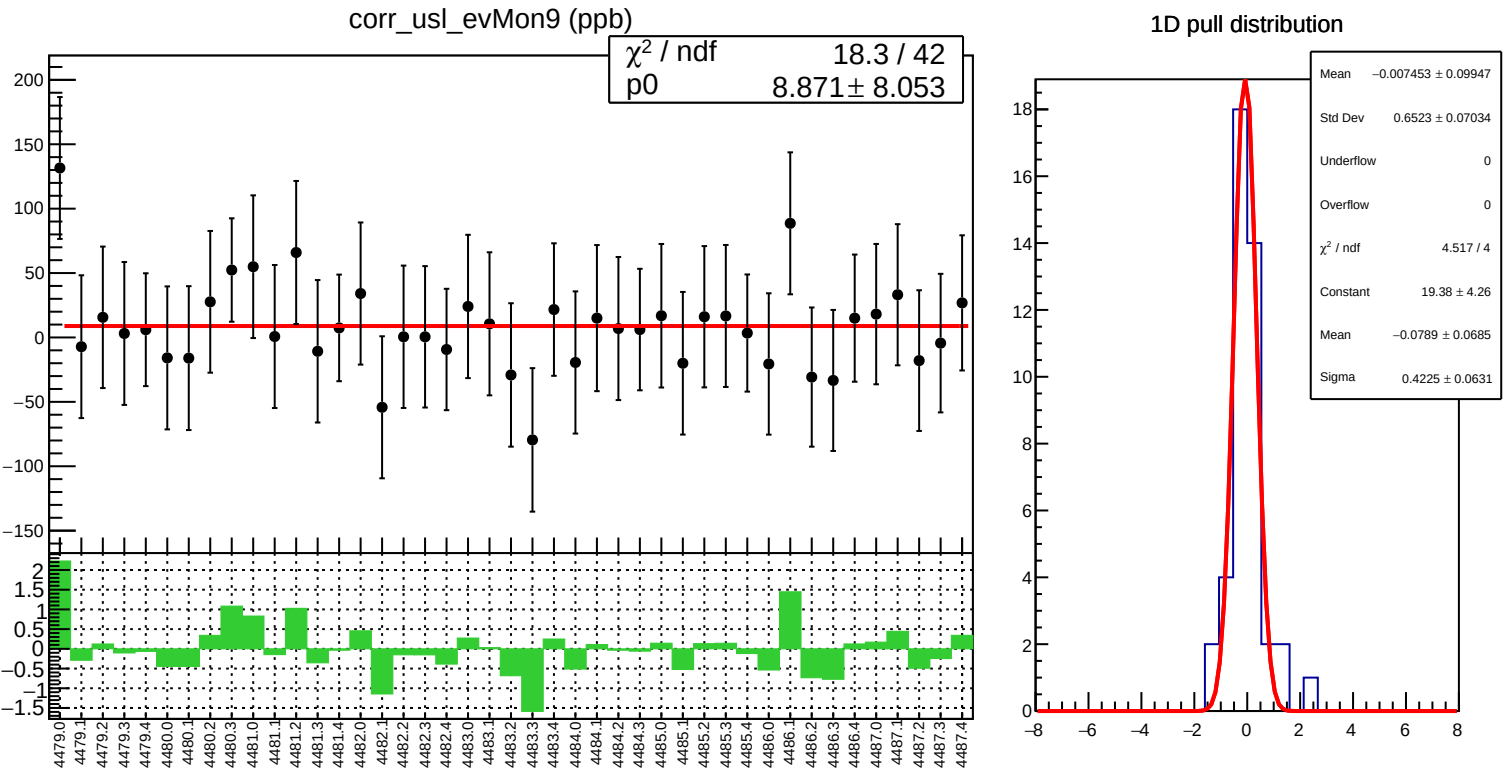
corr_usl_evMon7 RMS (ppm)



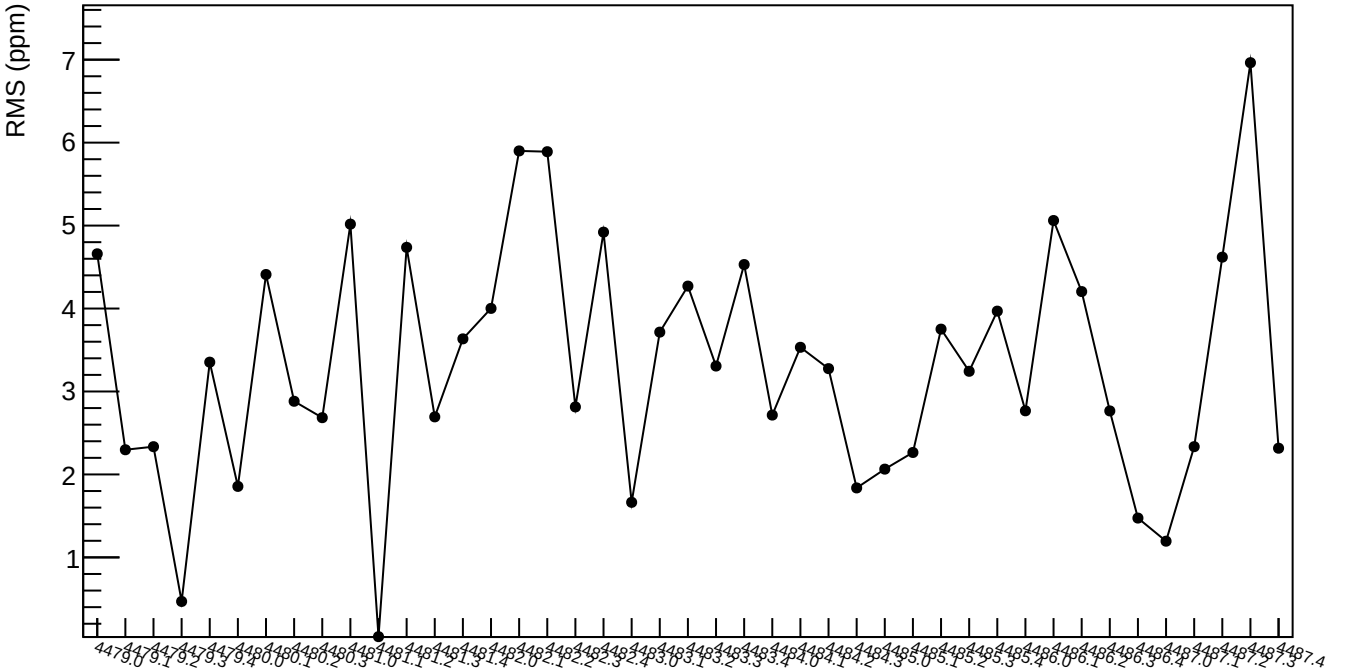

corr_usl_evMon8 (ppb)
χ² / ndf 4.837 / 42
p0 −1.172 ± 12.05
1D pull distribution
Mean 0.000542 ± 0.05114
Std Dev 0.3354 ± 0.03616
Underflow 0
Overflow 0
χ² / ndf 0.8719 / 1
Constant 24.16 ± 6.14
Mean −0.004606 ± 0.145961
Sigma 0.4018 ± 0.1341

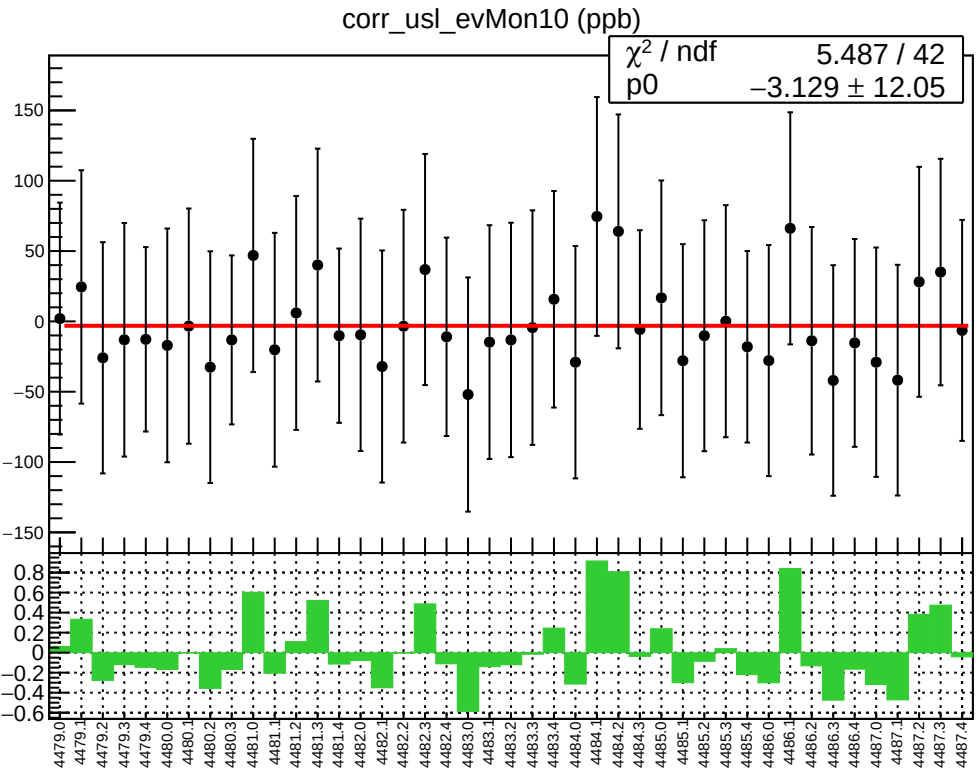
corr_usl_evMon8 RMS (ppm)

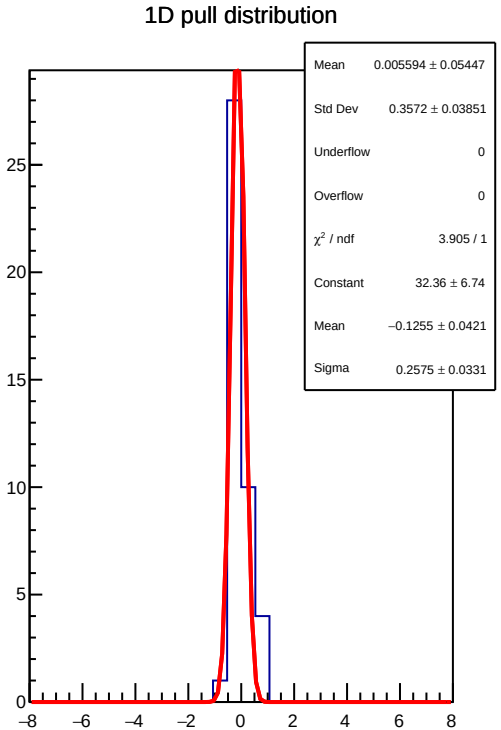



corr_usl_evMon9 (ppb)
χ² / ndf 18.3 / 42
p0 8.871 ± 8.053
1D pull distribution
Mean −0.007453 ± 0.09947
Std Dev 0.6523 ± 0.07034
Underflow 0
Overflow 0
χ² / ndf 4.517 / 4
Constant 19.38 ± 4.26
Mean −0.0789 ± 0.0685
Sigma 0.4225 ± 0.0631

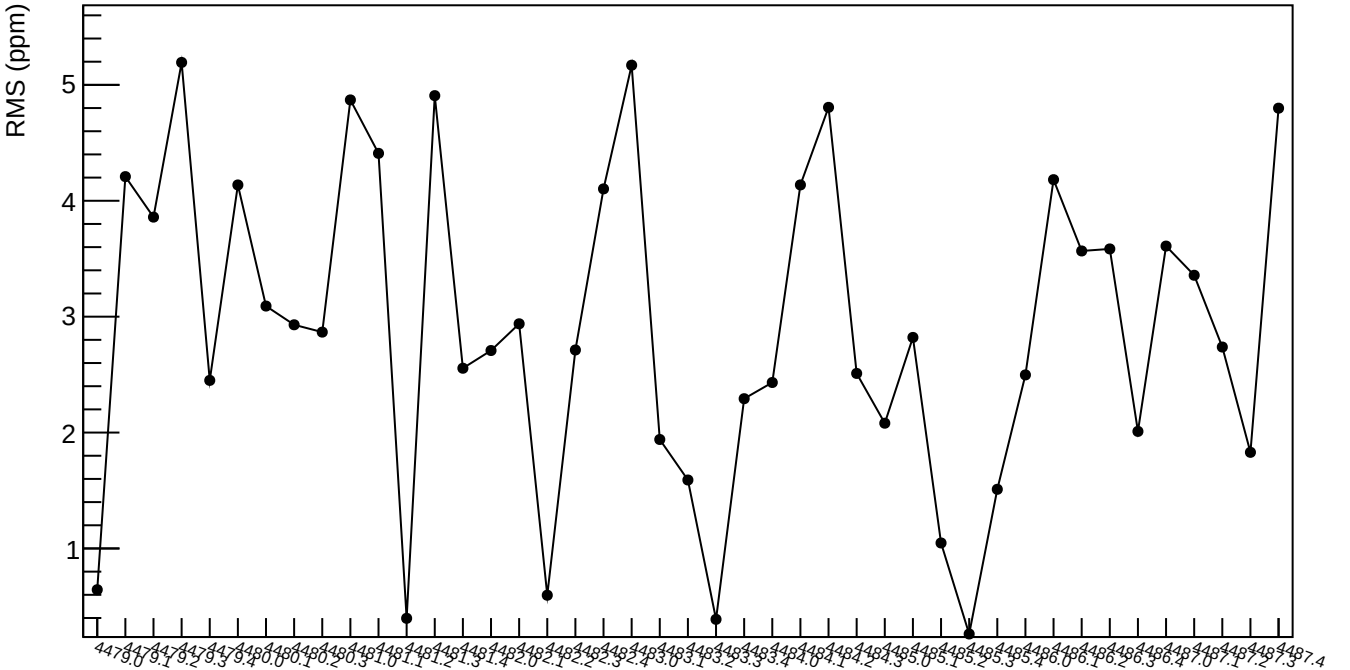
corr_usl_evMon9 RMS (ppm)

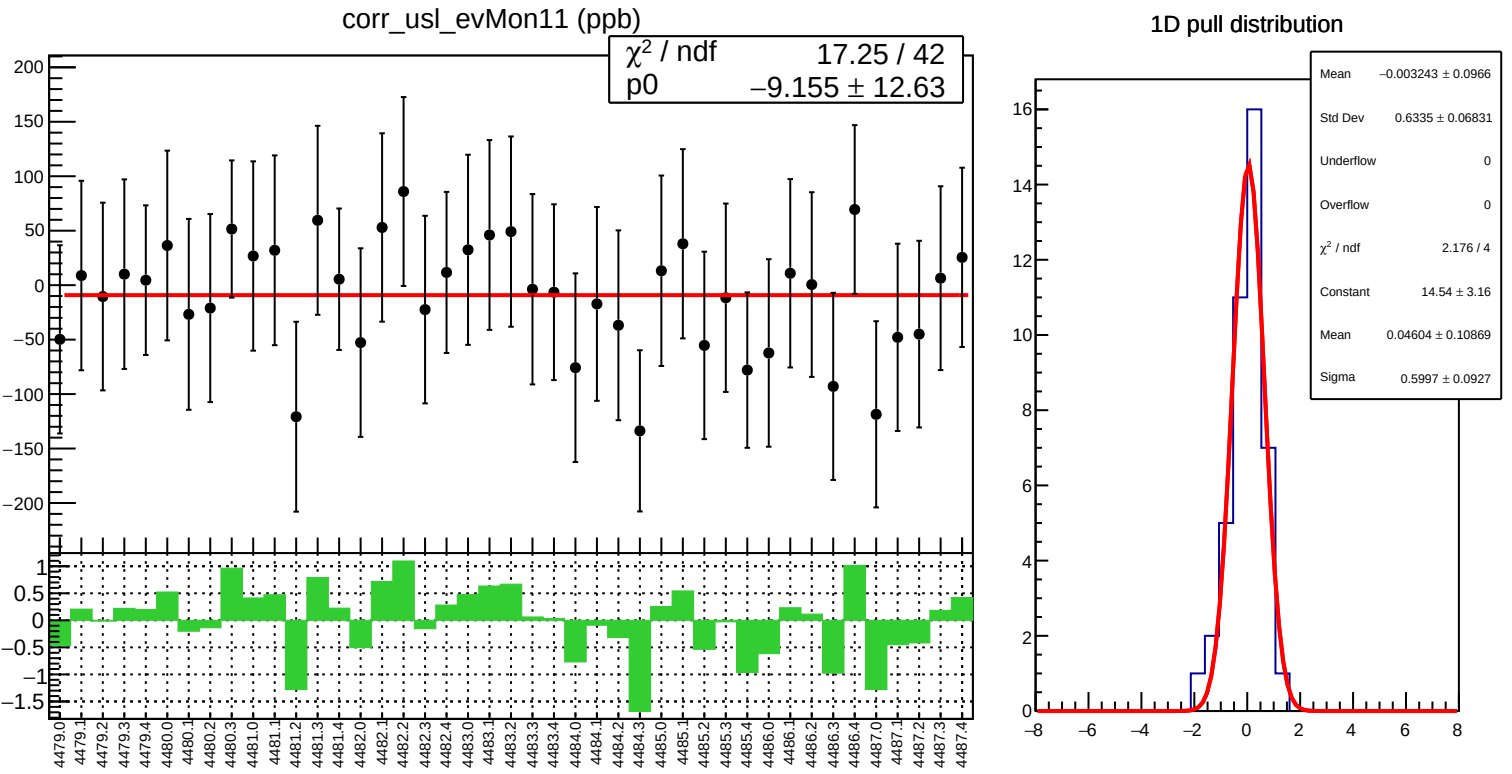



corr_usl_evMon10 (ppb)
χ² / ndf 5.487 / 42
p0 −3.129 ± 12.05
150
100
50
0
−50
−100
−150
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4

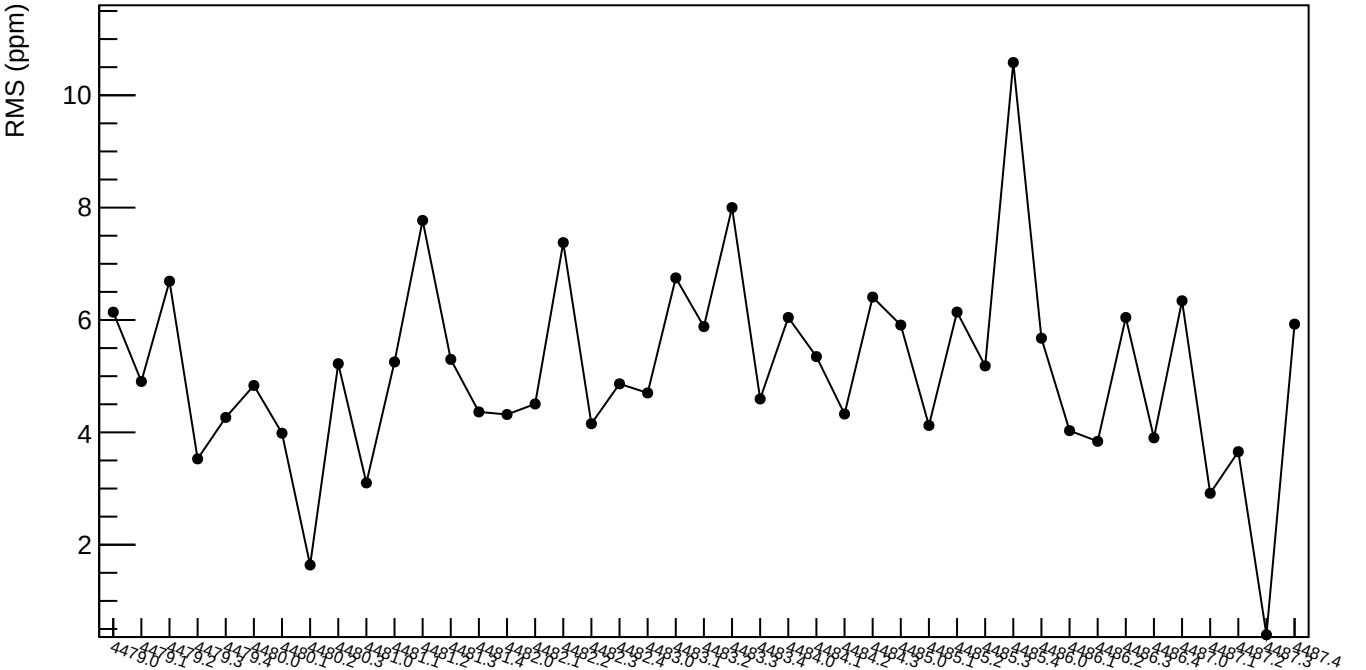

1D pull distribution
Mean 0.005594 ± 0.05447
Std Dev 0.3572 ± 0.03851
Underflow 0
Overflow 0
χ² / ndf 3.905 / 1
Constant 32.36 ± 6.74
Mean −0.1255 ± 0.0421
Sigma 0.2575 ± 0.0331
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

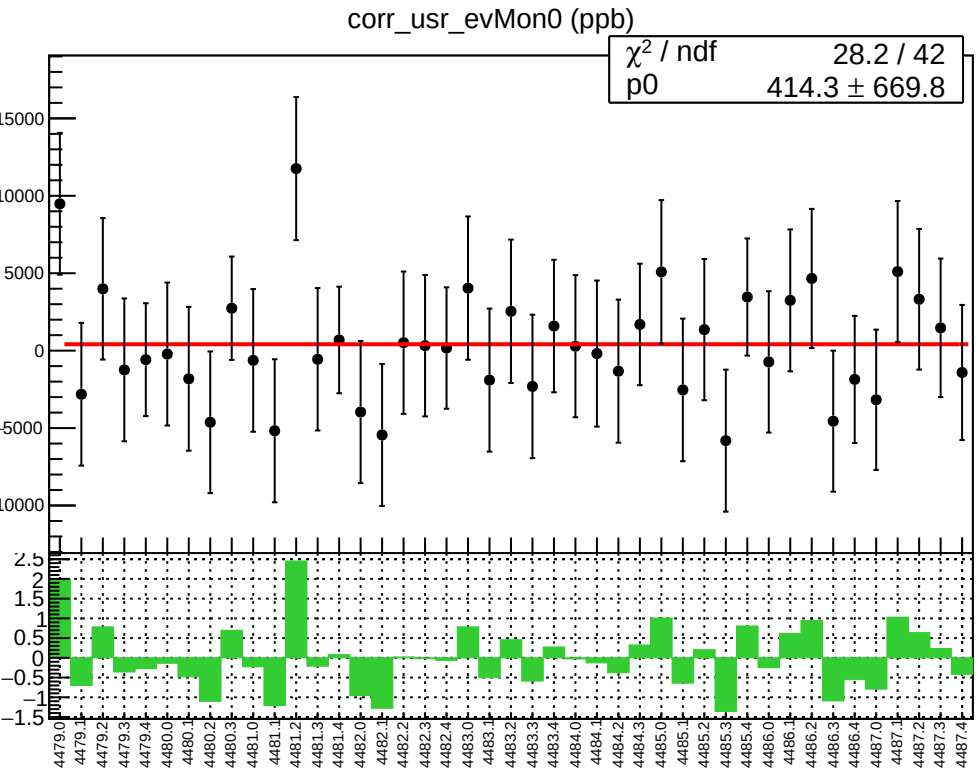
corr_usl_evMon10 RMS (ppm)

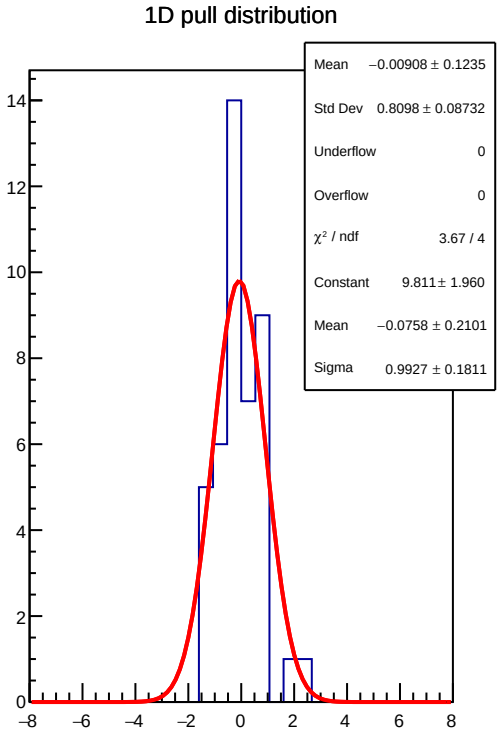



corr_usl_evMon11 (ppb)
χ² / ndf 17.25 / 42
p0 −9.155 ± 12.63
1D pull distribution
Mean −0.003243 ± 0.0966
Std Dev 0.6335 ± 0.06831
Underflow 0
Overflow 0
χ² / ndf 2.176 / 4
Constant 14.54 ± 3.16
Mean 0.04604 ± 0.10869
Sigma 0.5997 ± 0.0927

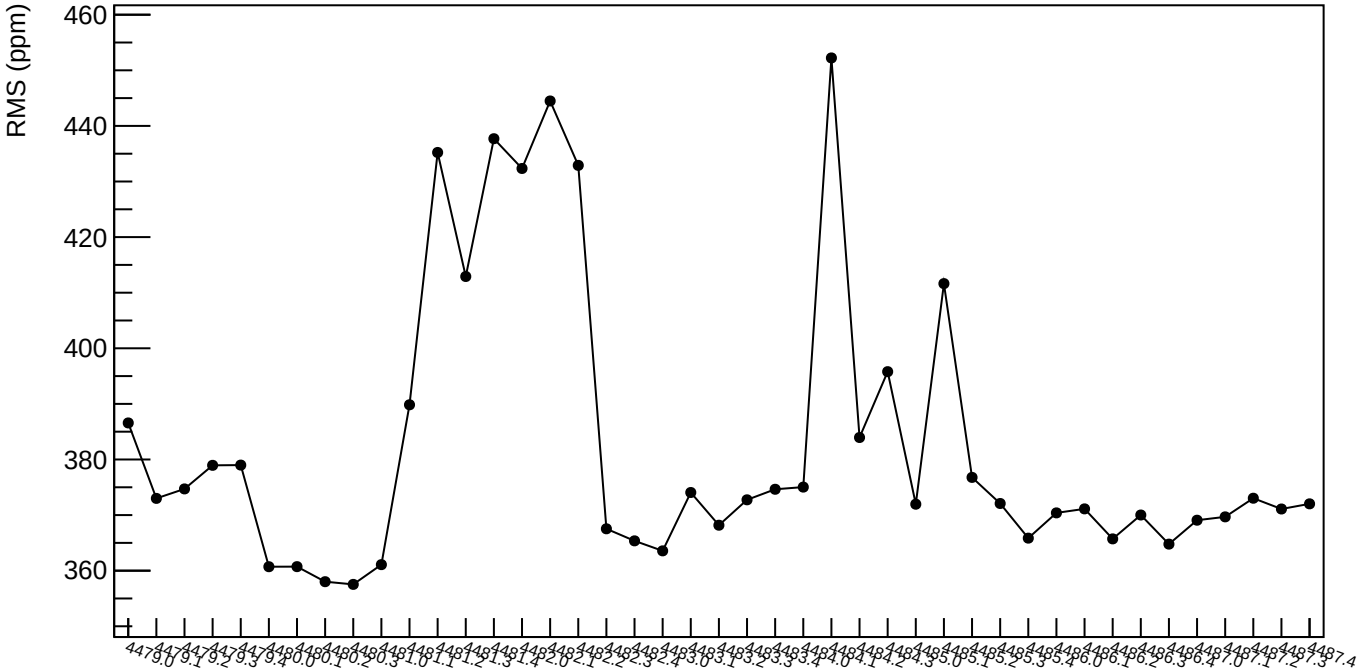
corr_usl_evMon11 RMS (ppm)

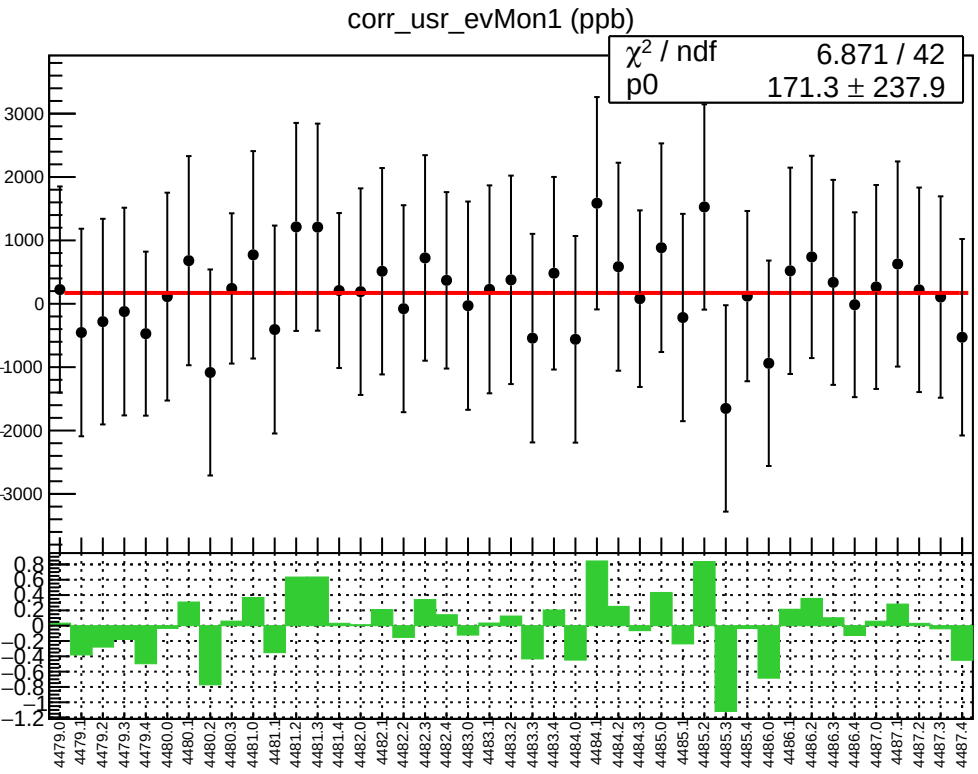


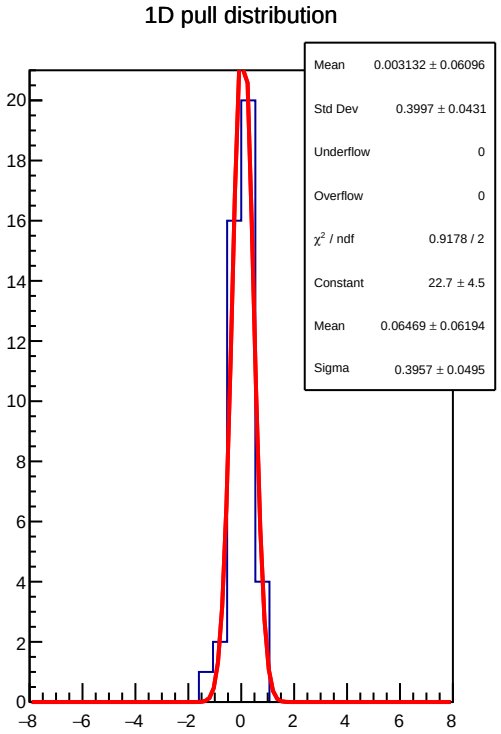

corr_usr_evMon0 (ppb)
χ² / ndf 28.2 / 42
p0 414.3 ± 669.8


1D pull distribution
Mean −0.00908 ± 0.1235
Std Dev 0.8098 ± 0.08732
Underflow 0
Overflow 0
χ² / ndf 3.67 / 4
Constant 9.811 ± 1.960
Mean −0.0758 ± 0.2101
Sigma 0.9927 ± 0.1811

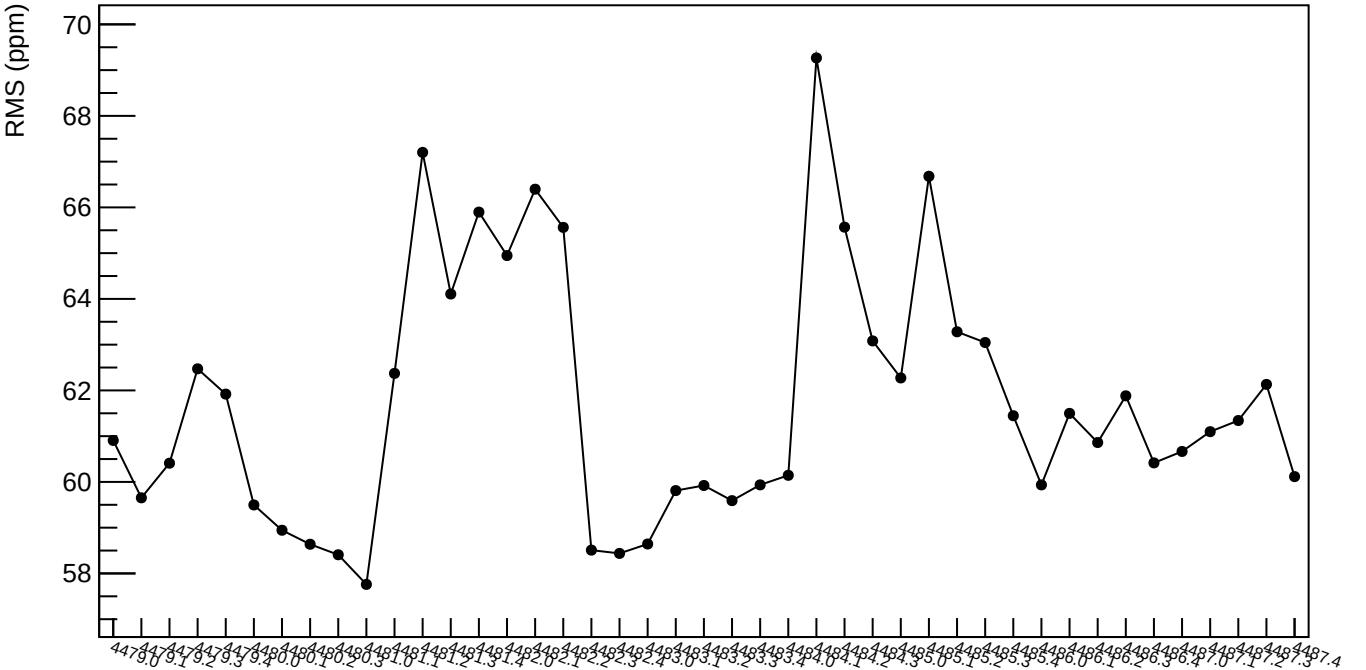
corr_usr_evMon0 RMS (ppm)

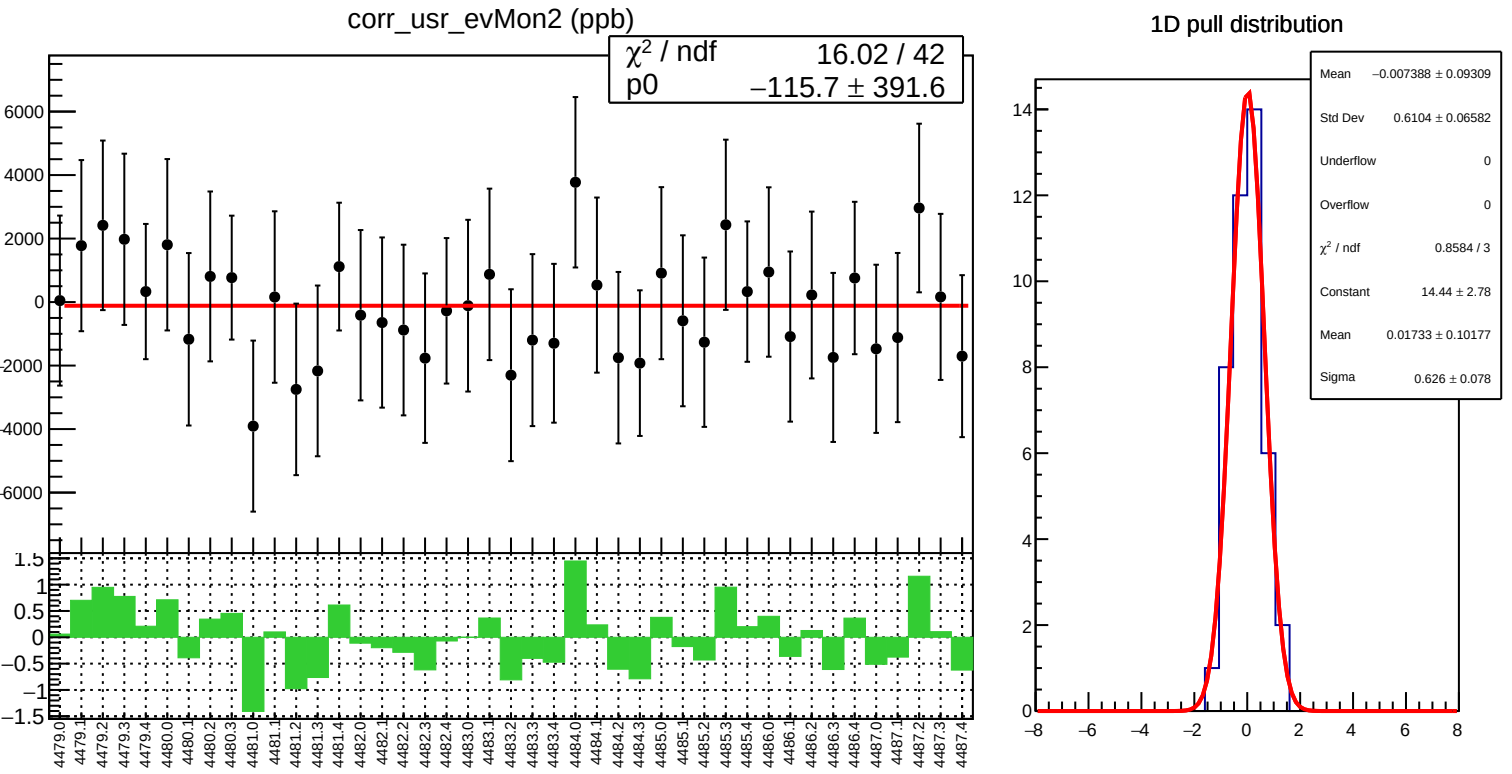



corr_usr_evMon1 (ppb)
χ² / ndf 6.871 / 42
p0 171.3 ± 237.9

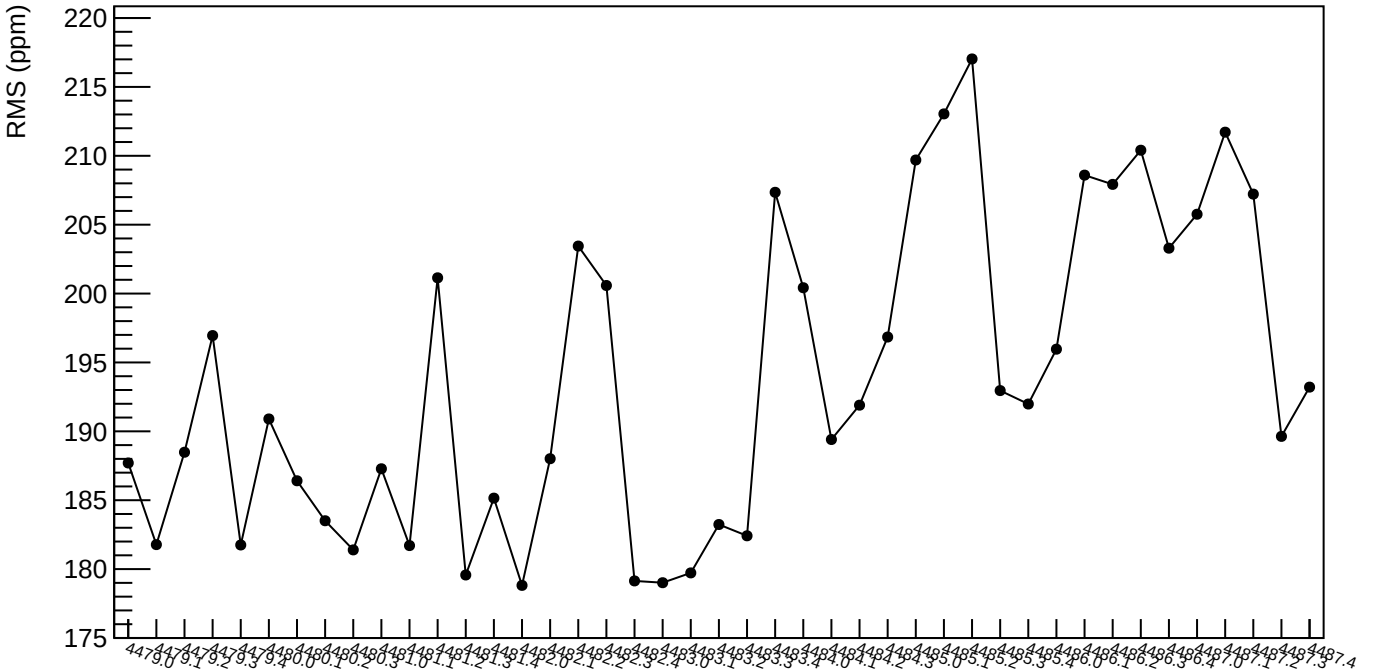

1D pull distribution
Mean 0.003132 ± 0.06096
Std Dev 0.3997 ± 0.0431
Underflow 0
Overflow 0
χ² / ndf 0.9178 / 2
Constant 22.7 ± 4.5
Mean 0.06469 ± 0.06194
Sigma 0.3957 ± 0.0495

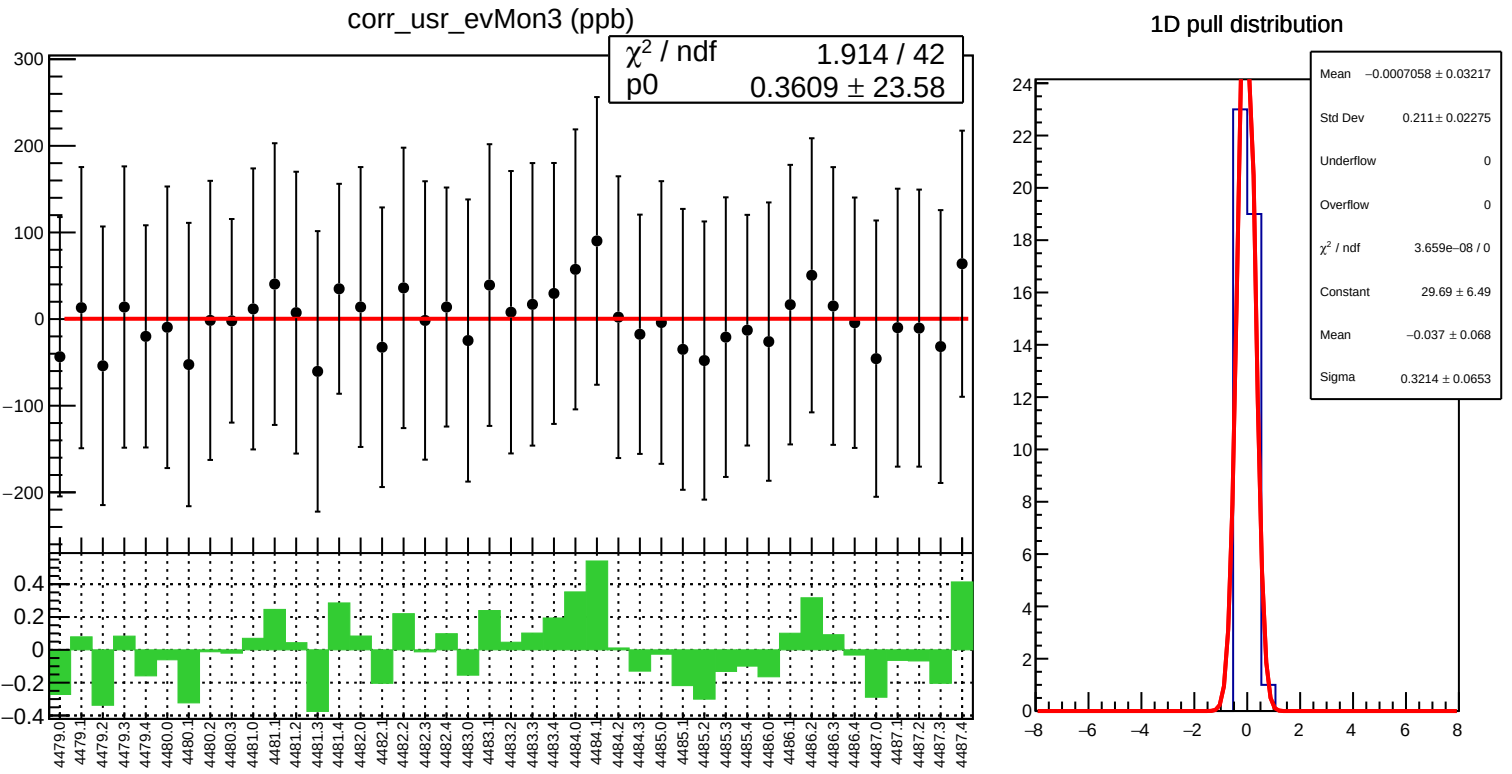
corr_usr_evMon1 RMS (ppm)

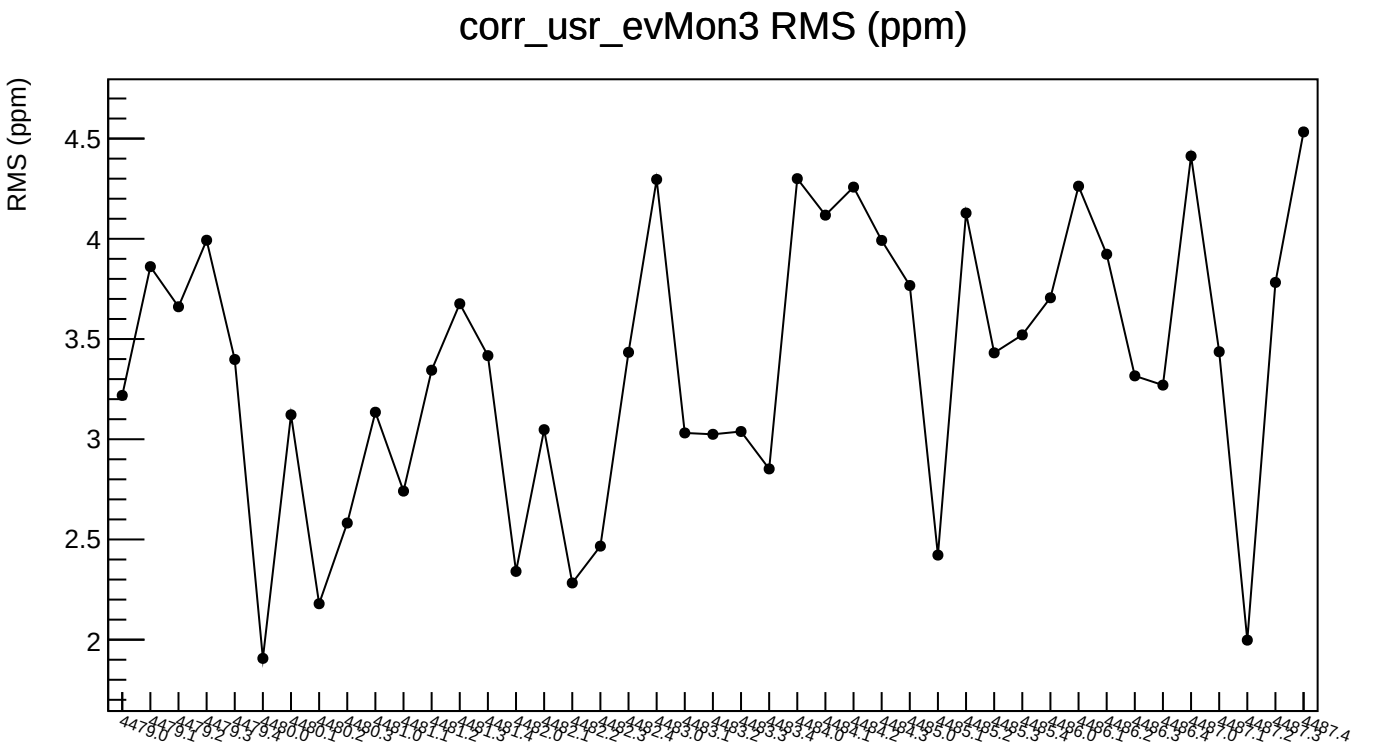


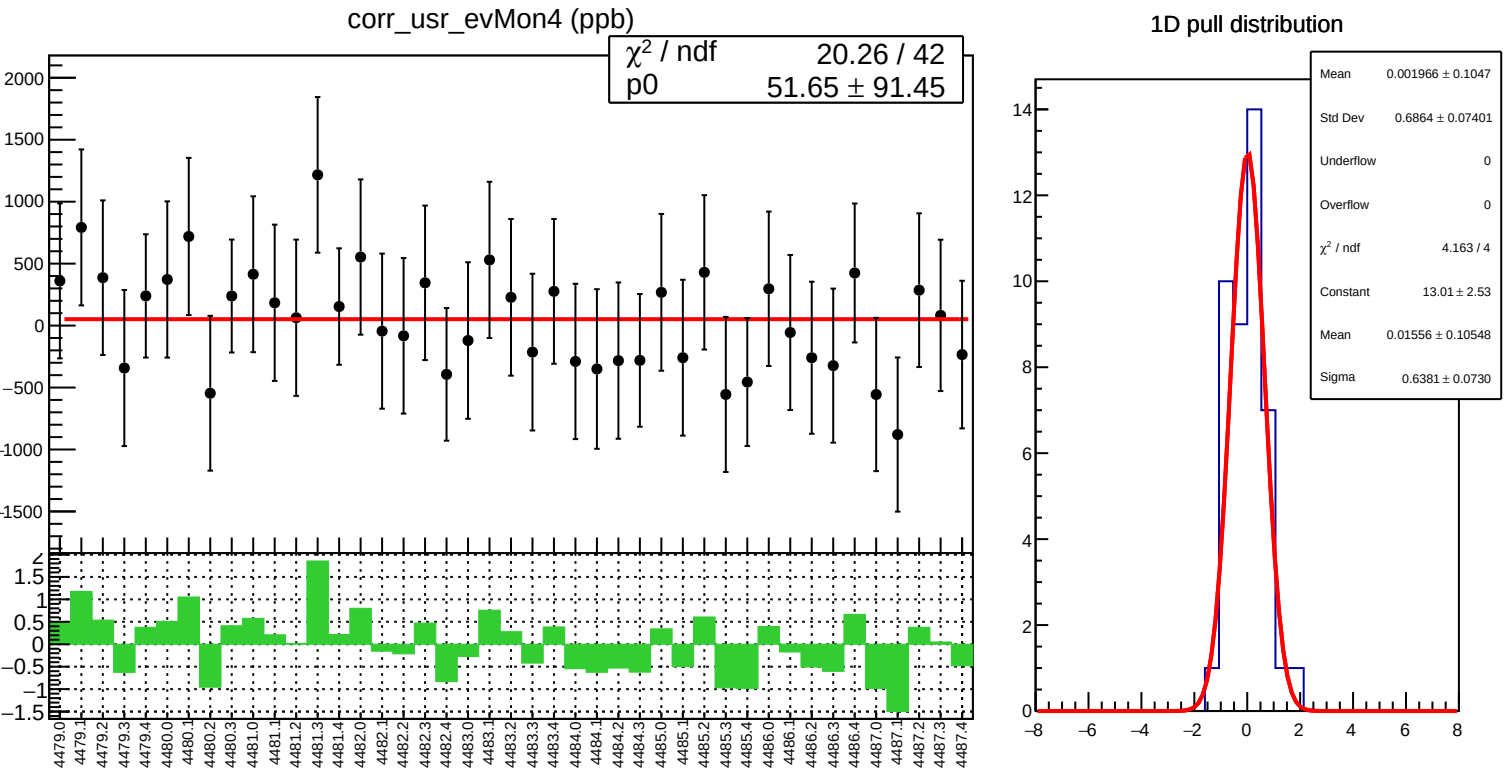

corr_usr_evMon2 (ppb)
χ² / ndf 16.02 / 42
p0 −115.7 ± 391.6
1D pull distribution
Mean −0.007388 ± 0.09309
Std Dev 0.6104 ± 0.06582
Underflow 0
Overflow 0
χ² / ndf 0.8584 / 3
Constant 14.44 ± 2.78
Mean 0.01733 ± 0.10177
Sigma 0.626 ± 0.078

corr_usr_evMon2 RMS (ppm)

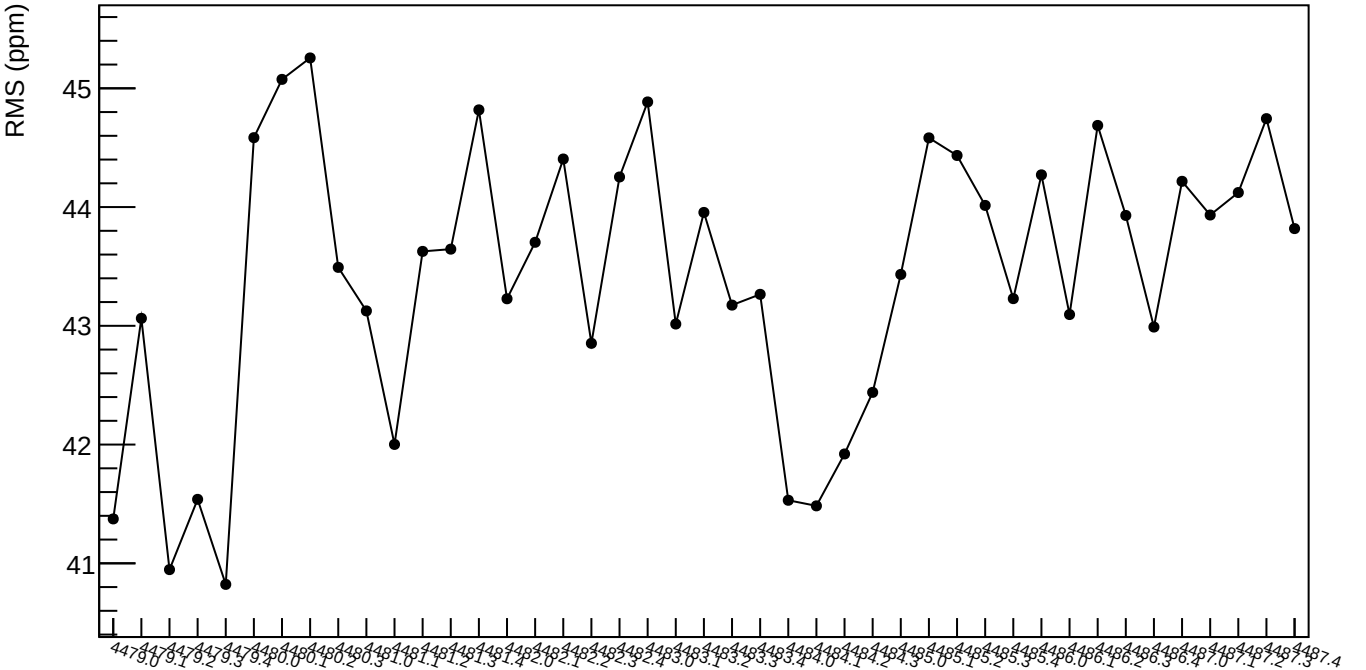


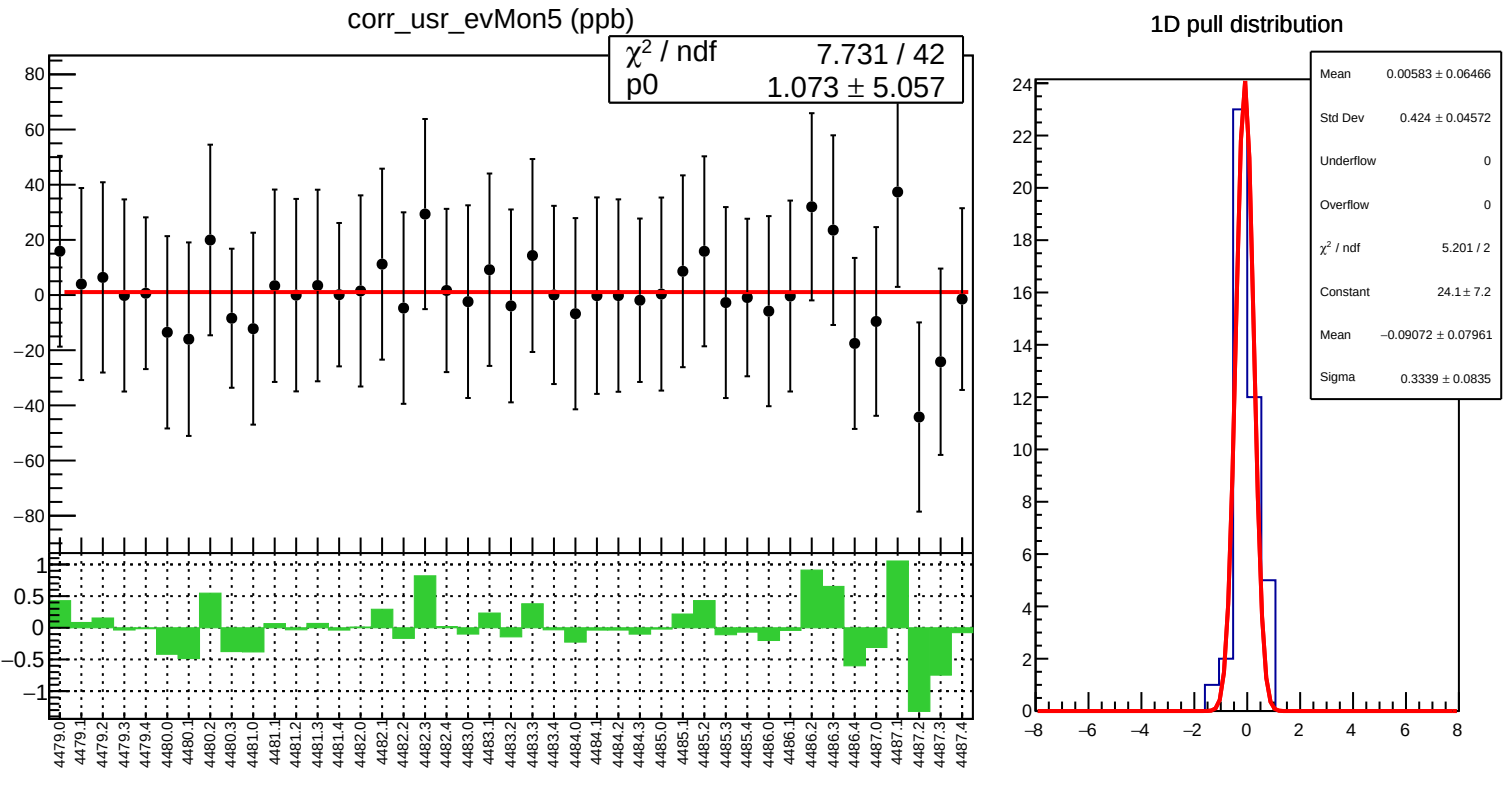

corr_usr_evMon3 (ppb)
χ² / ndf 1.914 / 42
p0 0.3609 ± 23.58
1D pull distribution
Mean −0.0007058 ± 0.03217
Std Dev 0.211 ± 0.02275
Underflow 0
Overflow 0
χ² / ndf 3.659e−08 / 0
Constant 29.69 ± 6.49
Mean −0.037 ± 0.068
Sigma 0.3214 ± 0.0653


corr_usr_evMon3 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2

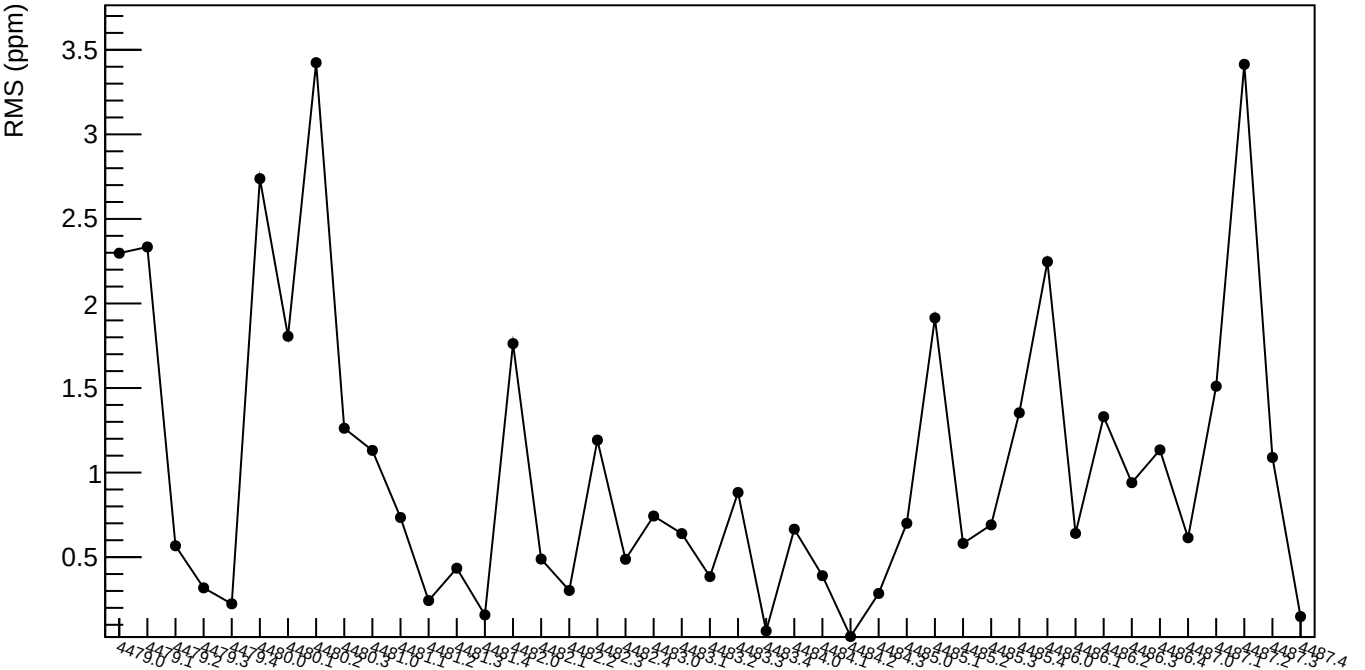

corr_usr_evMon4 (ppb)
χ² / ndf 20.26 / 42
p0 51.65 ± 91.45
1D pull distribution
Mean 0.001966 ± 0.1047
Std Dev 0.6864 ± 0.07401
Underflow 0
Overflow 0
χ² / ndf 4.163 / 4
Constant 13.01 ± 2.53
Mean 0.01556 ± 0.10548
Sigma 0.6381 ± 0.0730

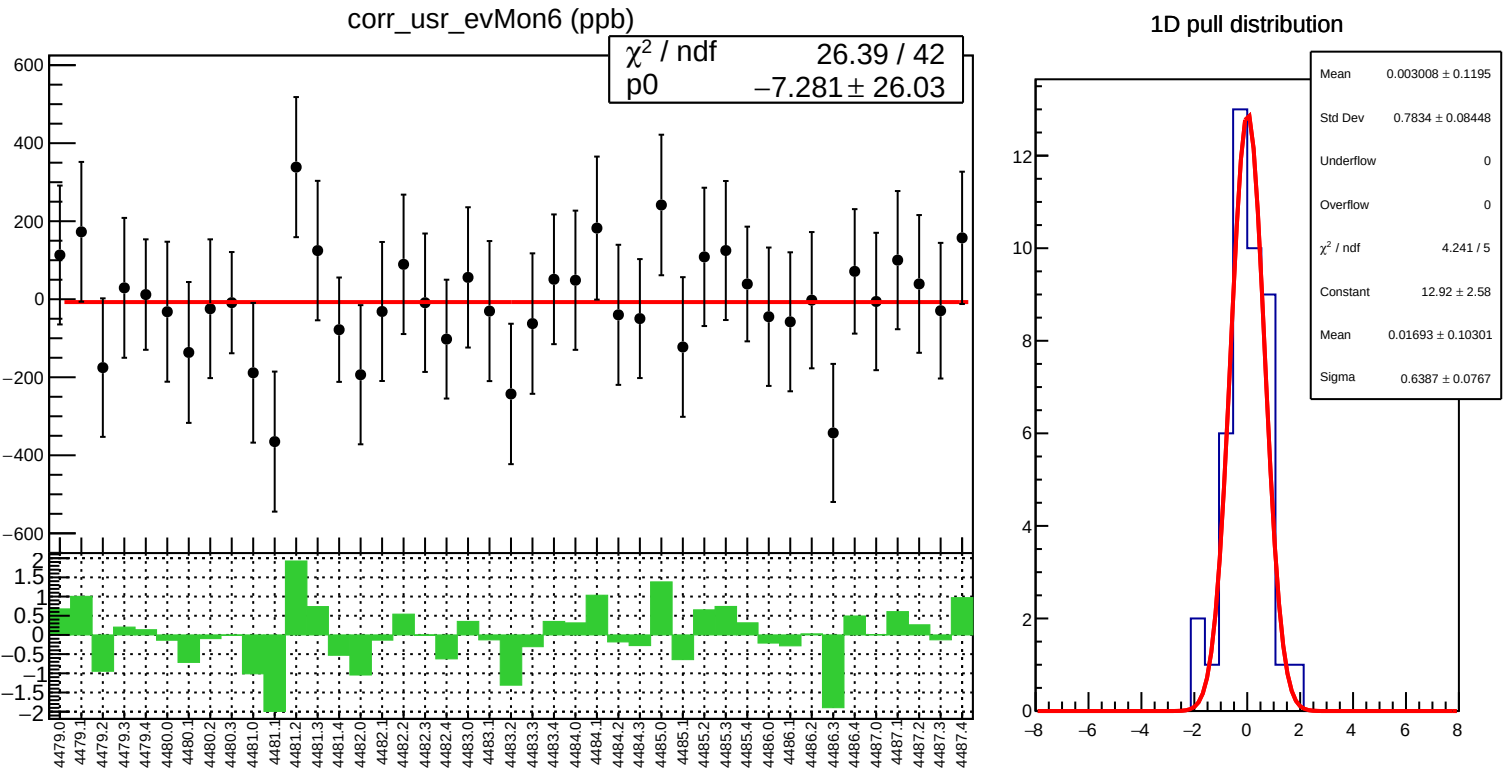
corr_usr_evMon4 RMS (ppm)



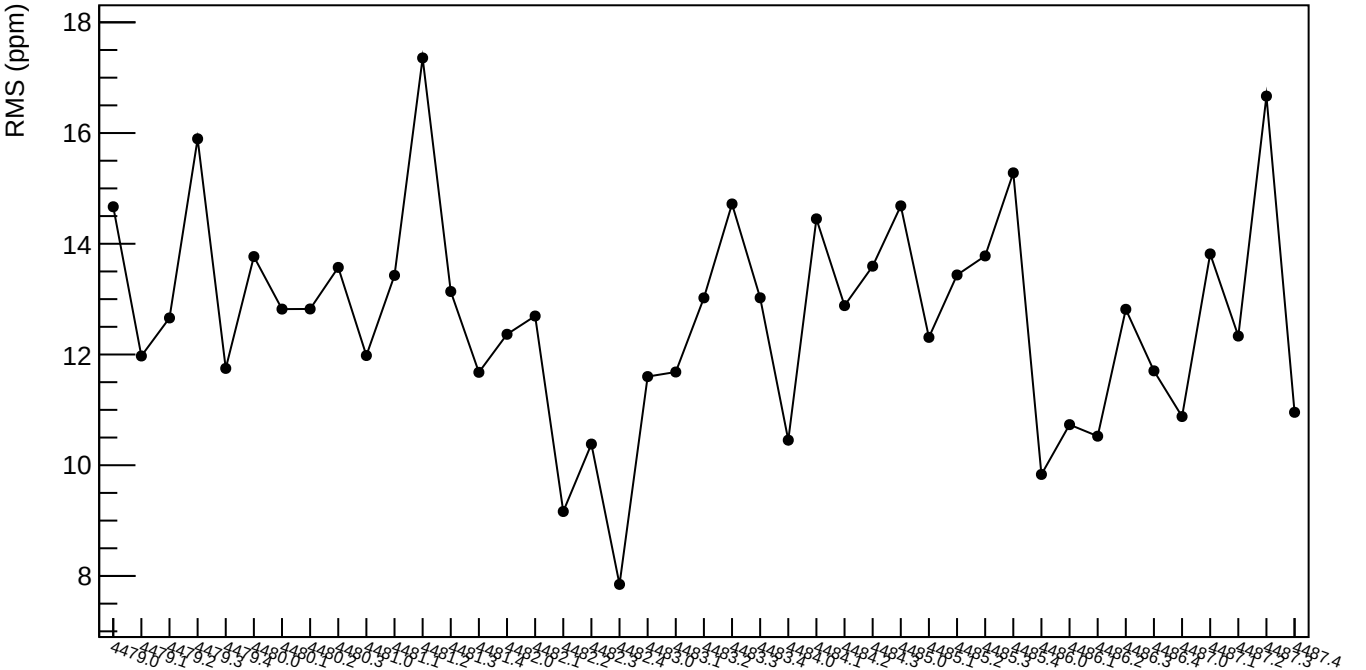

corr_usr_evMon5 (ppb)
χ² / ndf 7.731 / 42
p0 1.073 ± 5.057
1D pull distribution
Mean 0.00583 ± 0.06466
Std Dev 0.424 ± 0.04572
Underflow 0
Overflow 0
χ² / ndf 5.201 / 2
Constant 24.1 ± 7.2
Mean −0.09072 ± 0.07961
Sigma 0.3339 ± 0.0835

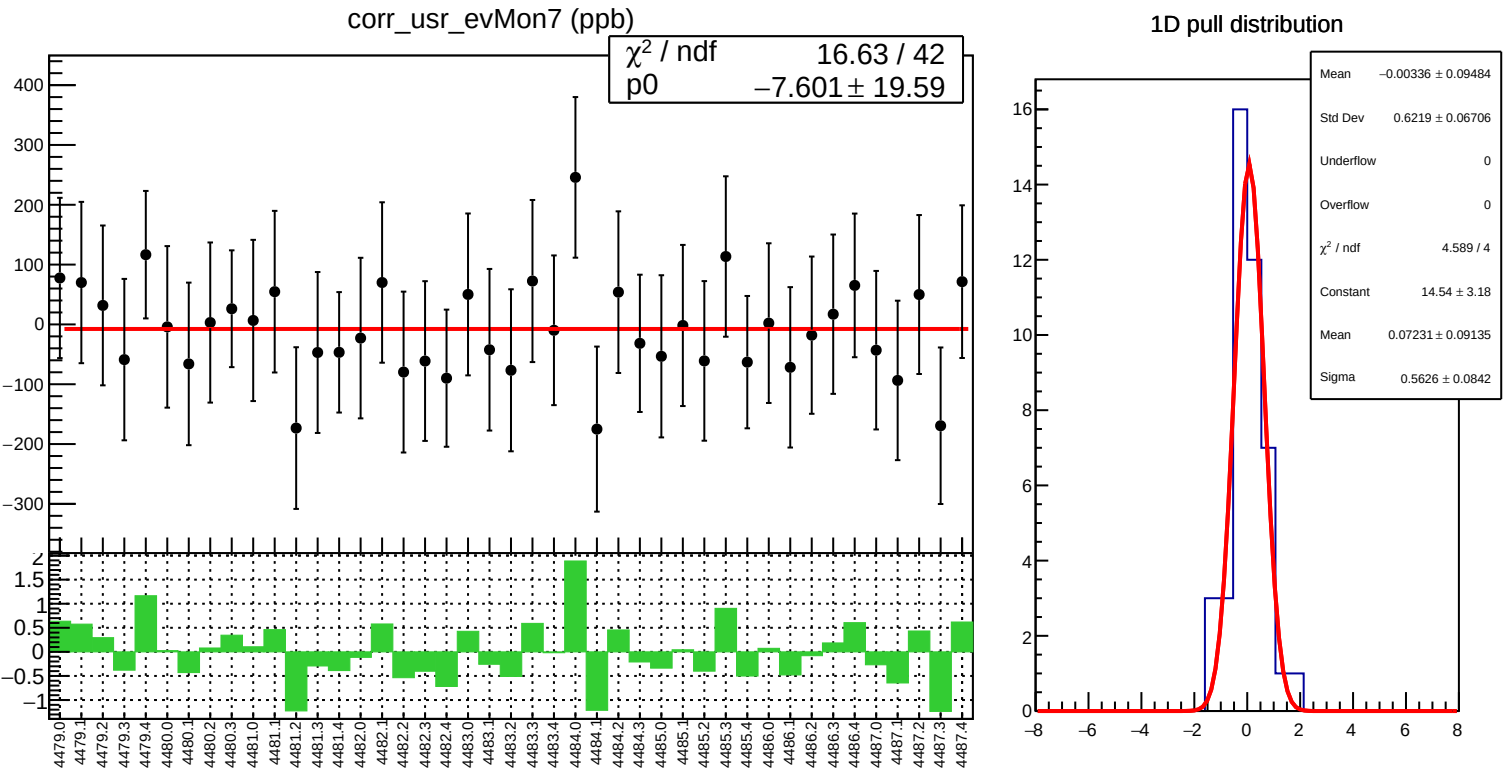
corr_usr_evMon5 RMS (ppm)

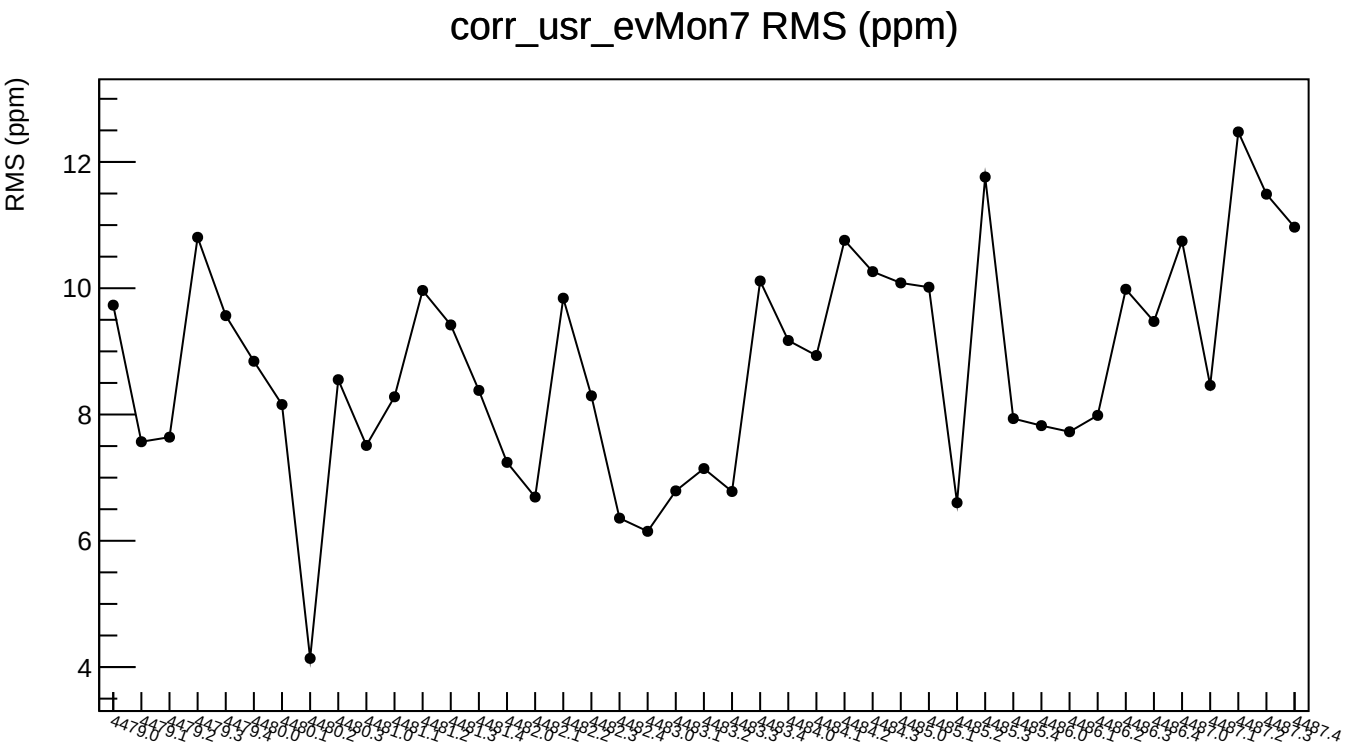


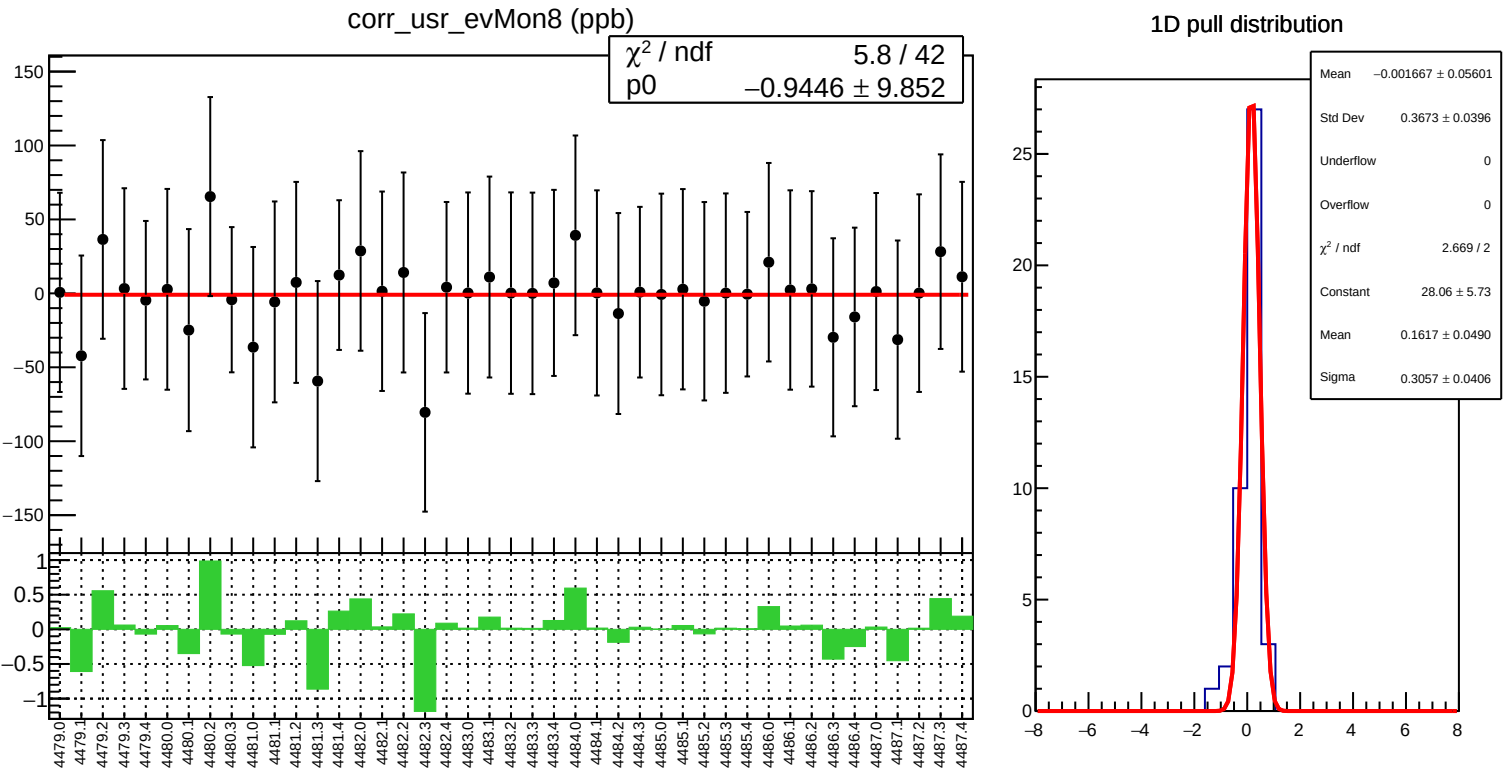

corr_usr_evMon6 (ppb)
χ² / ndf 26.39 / 42
p0 −7.281 ± 26.03
1D pull distribution
Mean 0.003008 ± 0.1195
Std Dev 0.7834 ± 0.08448
Underflow 0
Overflow 0
χ² / ndf 4.241 / 5
Constant 12.92 ± 2.58
Mean 0.01693 ± 0.10301
Sigma 0.6387 ± 0.0767

corr_usr_evMon6 RMS (ppm)

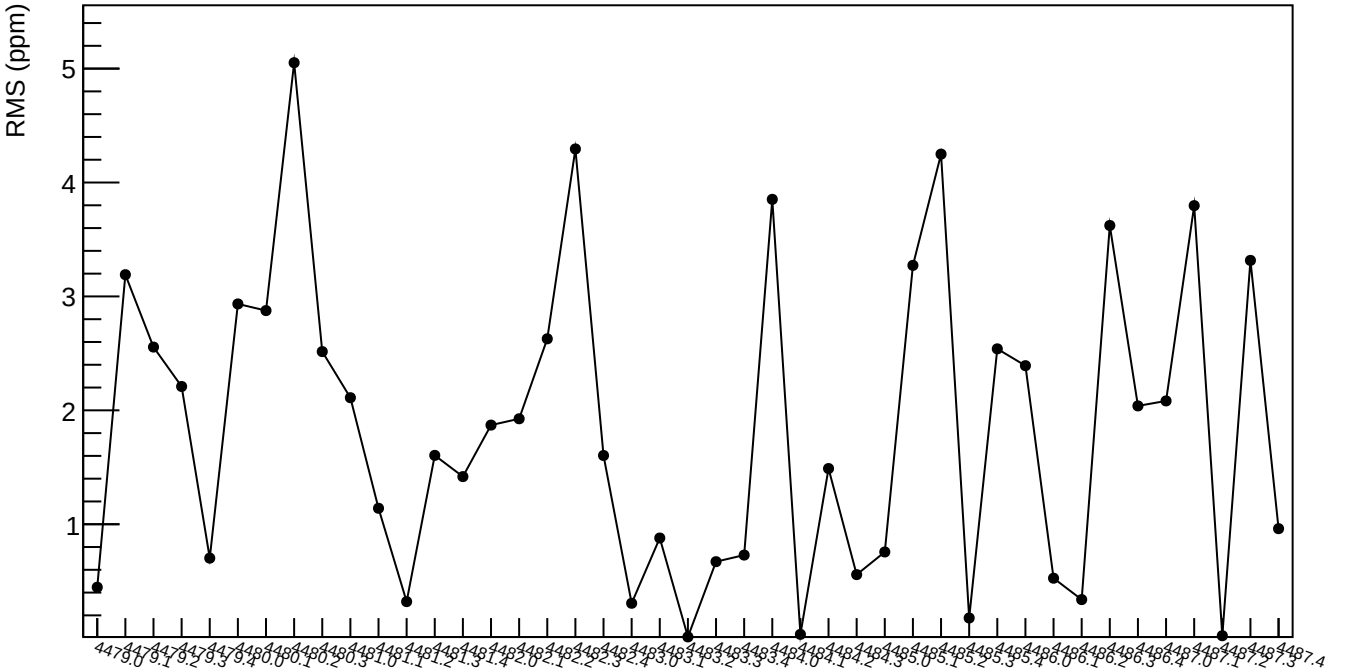


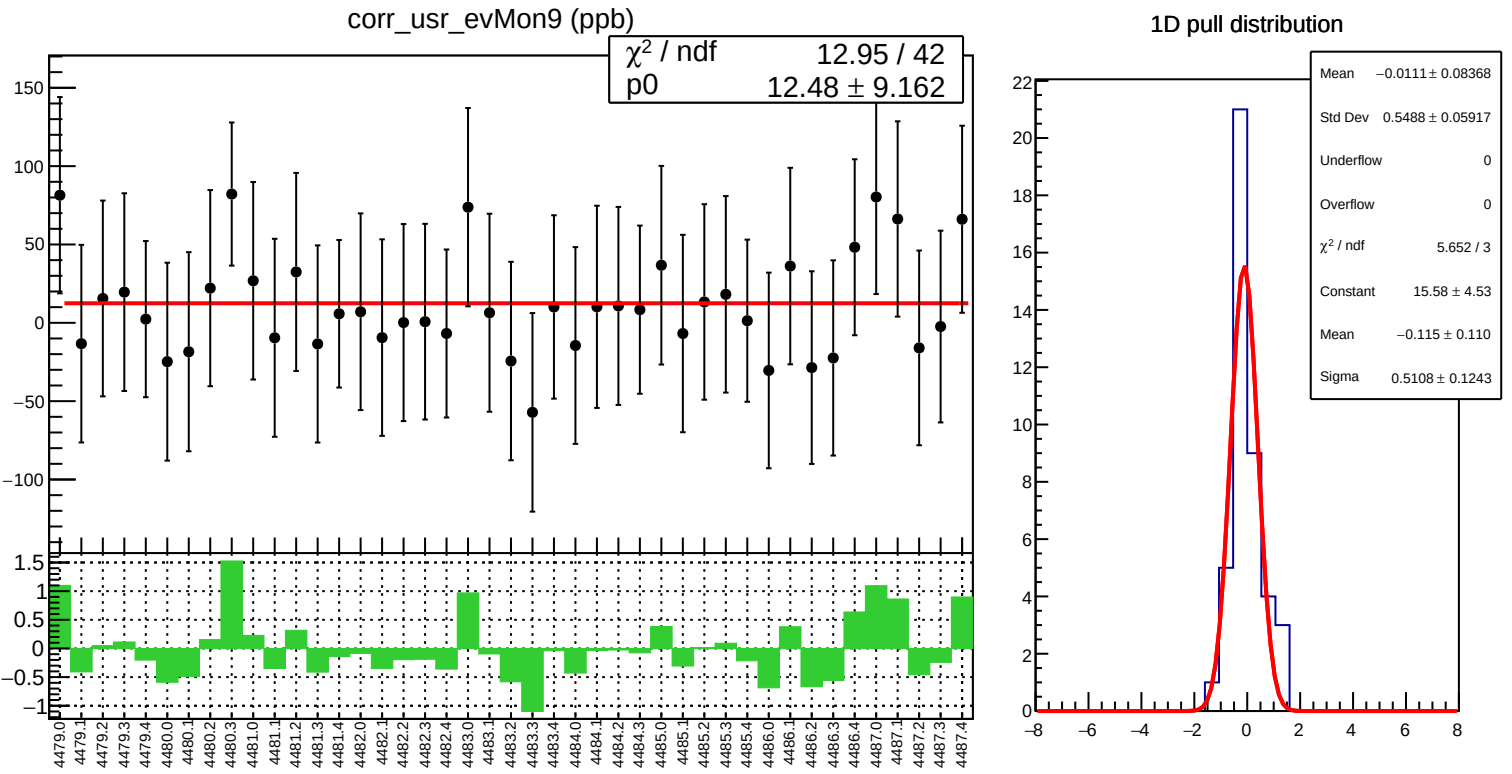

corr_usr_evMon7 (ppb)
χ² / ndf 16.63 / 42
p0 −7.601 ± 19.59
1D pull distribution
Mean −0.00336 ± 0.09484
Std Dev 0.6219 ± 0.06706
Underflow 0
Overflow 0
χ² / ndf 4.589 / 4
Constant 14.54 ± 3.18
Mean 0.07231 ± 0.09135
Sigma 0.5626 ± 0.0842


corr_usr_evMon7 RMS (ppm)
RMS (ppm)
12
10
8
6
4

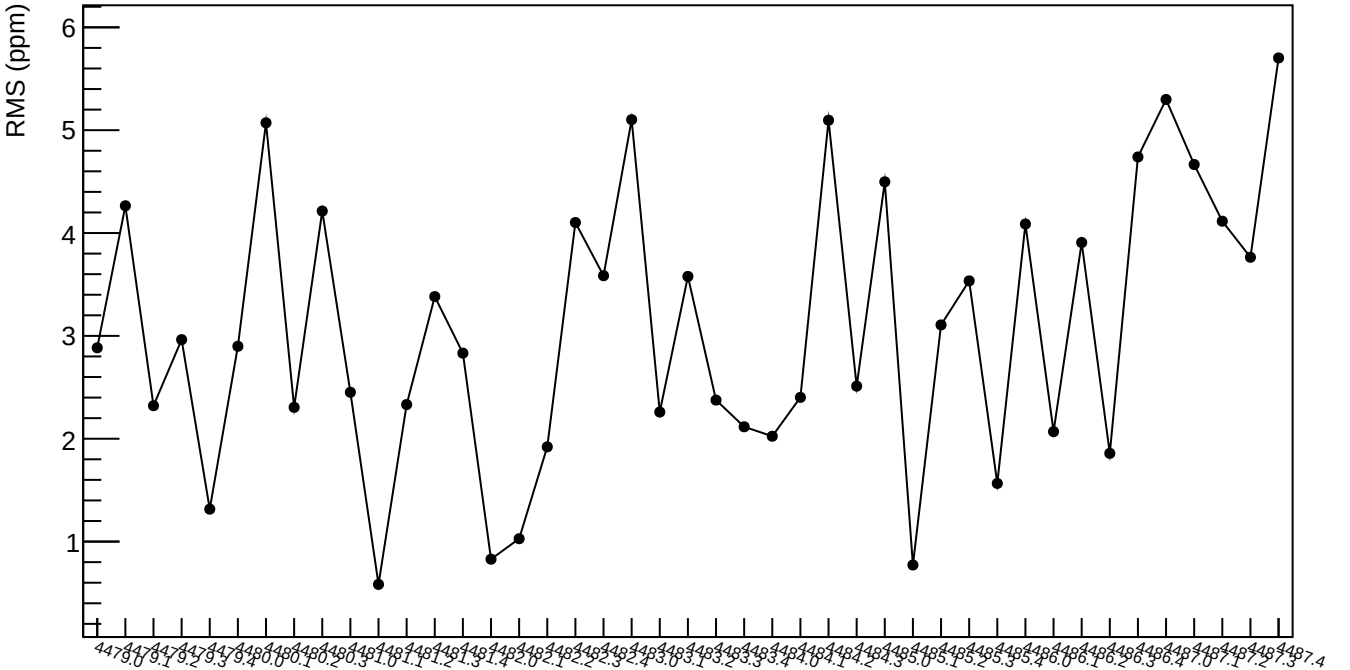

corr_usr_evMon8 (ppb)
χ² / ndf 5.8 / 42
p0 −0.9446 ± 9.852
1D pull distribution
Mean −0.001667 ± 0.05601
Std Dev 0.3673 ± 0.0396
Underflow 0
Overflow 0
χ² / ndf 2.669 / 2
Constant 28.06 ± 5.73
Mean 0.1617 ± 0.0490
Sigma 0.3057 ± 0.0406

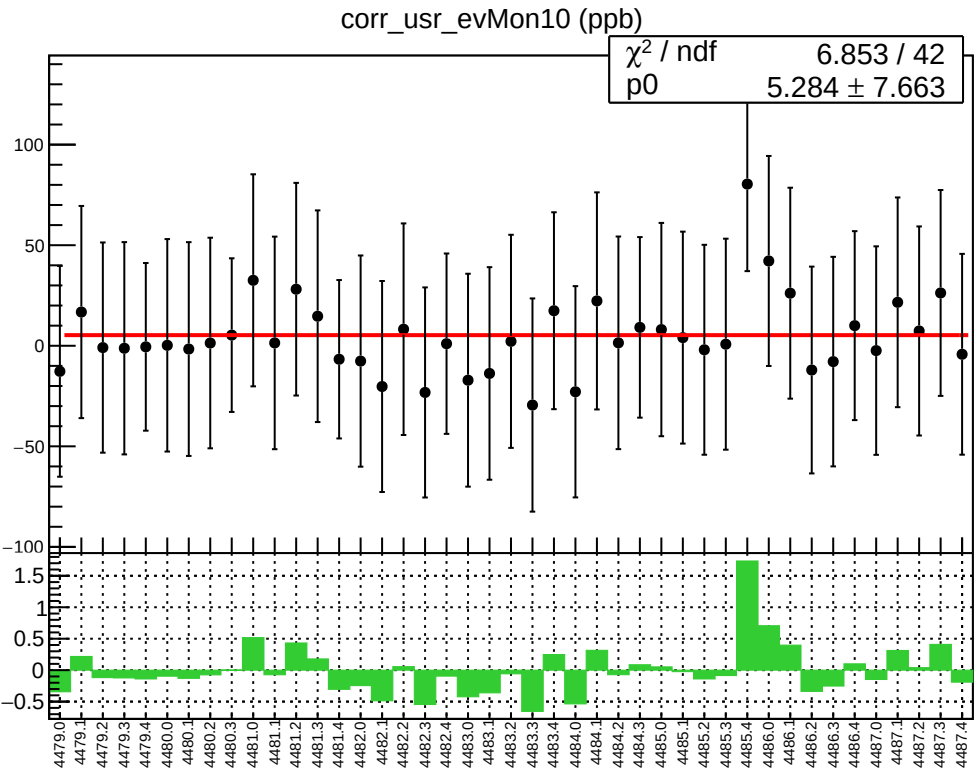
corr_usr_evMon8 RMS (ppm)

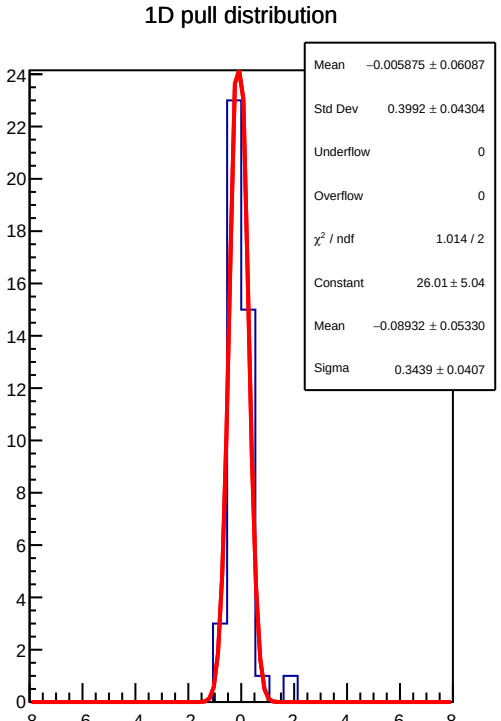



corr_usr_evMon9 (ppb)
χ² / ndf 12.95 / 42
p0 12.48 ± 9.162
1D pull distribution
Mean −0.0111 ± 0.08368
Std Dev 0.5488 ± 0.05917
Underflow 0
Overflow 0
χ² / ndf 5.652 / 3
Constant 15.58 ± 4.53
Mean −0.115 ± 0.110
Sigma 0.5108 ± 0.1243

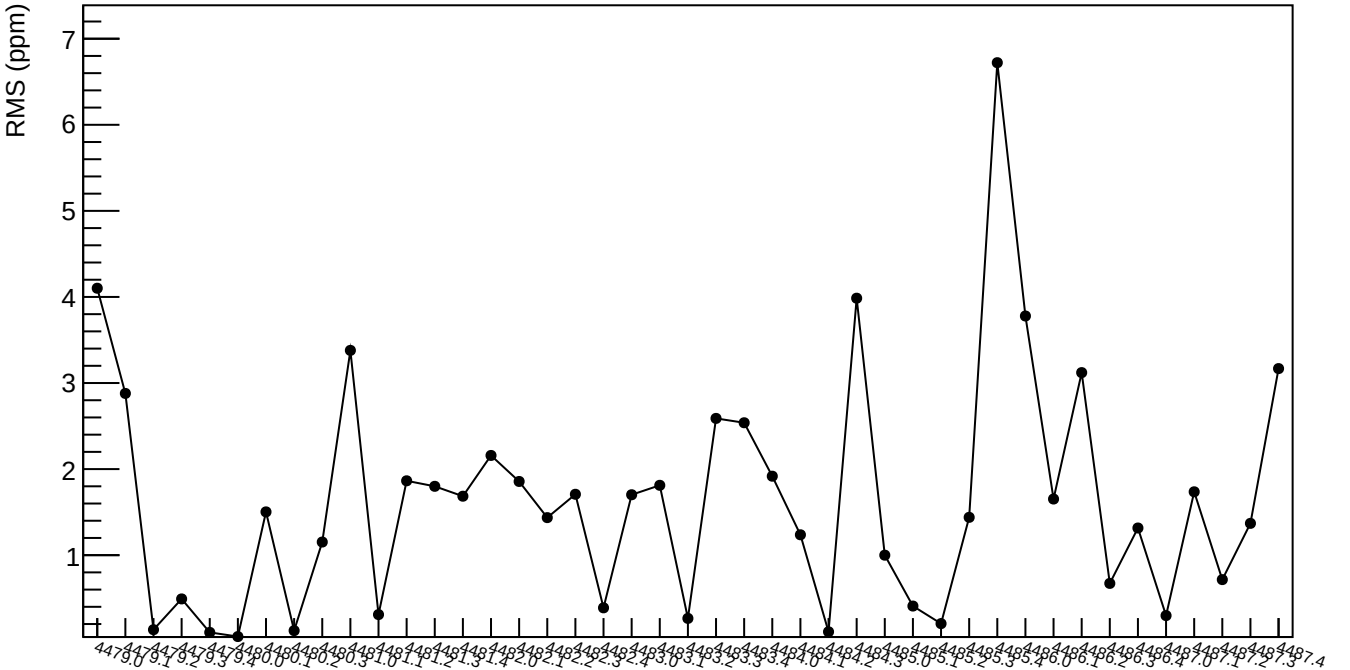
corr_usr_evMon9 RMS (ppm)

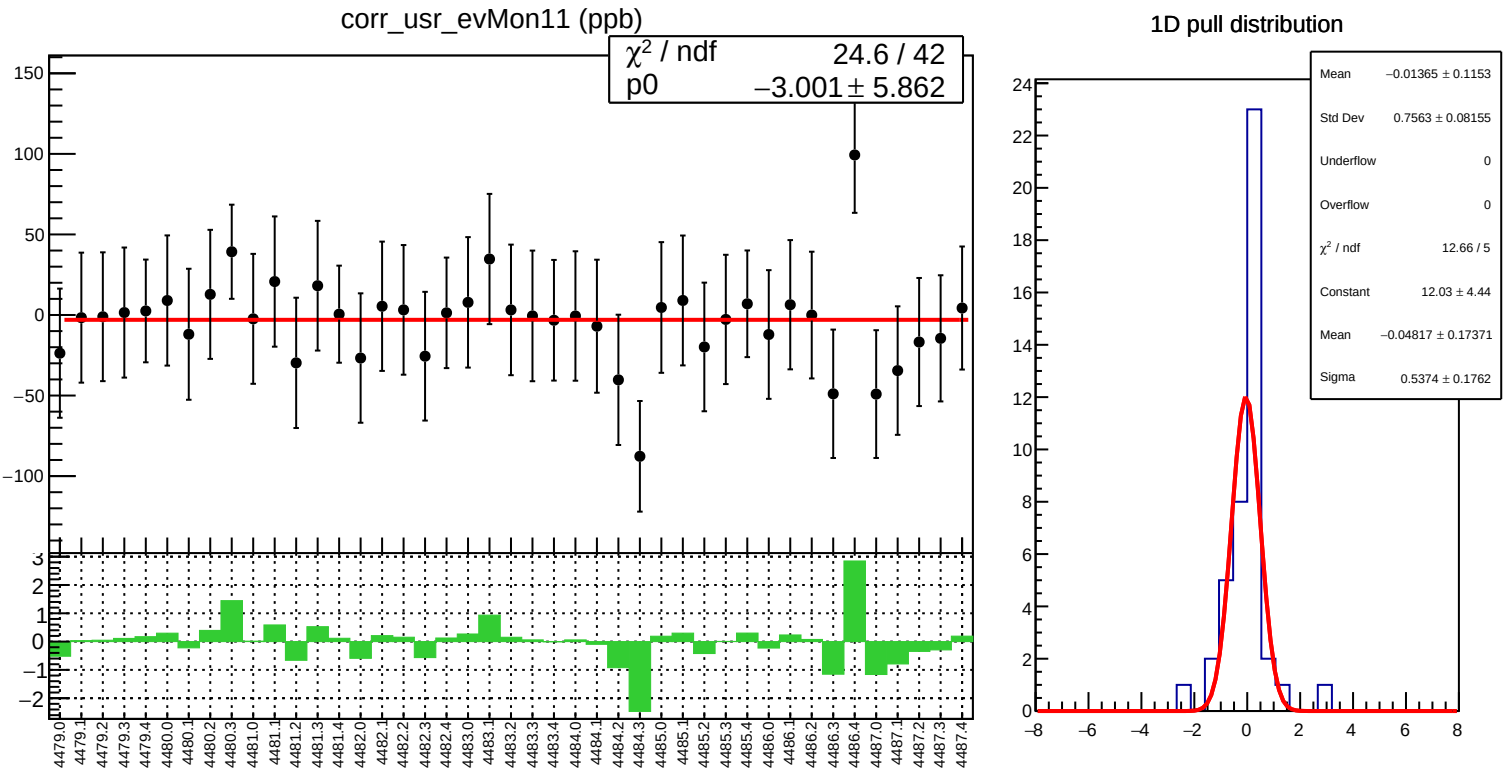
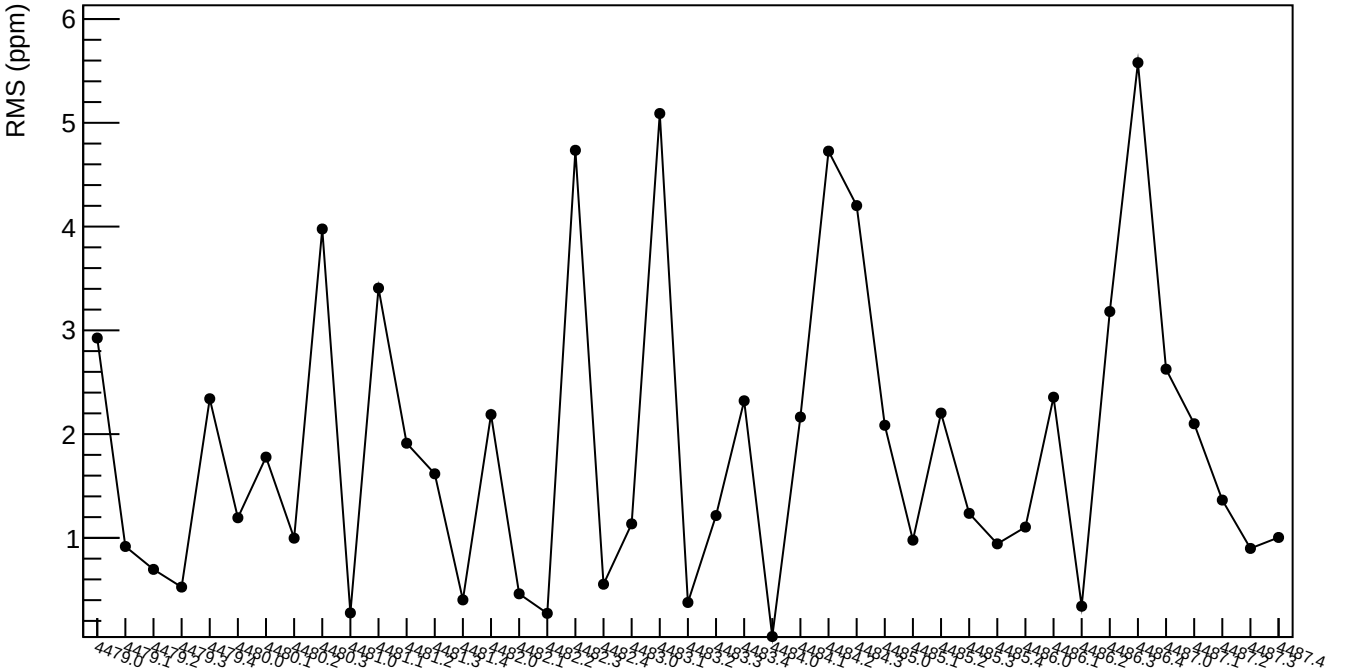



corr_usr_evMon10 (ppb)
χ² / ndf 6.853 / 42
p0 5.284 ± 7.663
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
4479.0
4479.1
4479.2
4479.3
4479.4
4480.0
4480.1
4480.2
4480.3
4481.0
4481.1
4481.2
4481.3
4481.4
4482.0
4482.1
4482.2
4482.3
4482.4
4483.0
4483.1
4483.2
4483.3
4483.4
4484.0
4484.1
4484.2
4484.3
4485.0
4485.1
4485.2
4485.3
4485.4
4486.0
4486.1
4486.2
4486.3
4486.4
4487.0
4487.1
4487.2
4487.3
4487.4


1D pull distribution
Mean −0.005875 ± 0.06087
Std Dev 0.3992 ± 0.04304
Underflow 0
Overflow 0
χ² / ndf 1.014 / 2
Constant 26.01 ± 5.04
Mean −0.08932 ± 0.05330
Sigma 0.3439 ± 0.0407
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

corr_usr_evMon10 RMS (ppm)




corr_usr_evMon11 (ppb)
χ² / ndf 24.6 / 42
p0 −3.001 ± 5.862
1D pull distribution
Mean −0.01365 ± 0.1153
Std Dev 0.7563 ± 0.08155
Underflow 0
Overflow 0
χ² / ndf 12.66 / 5
Constant 12.03 ± 4.44
Mean −0.04817 ± 0.17371
Sigma 0.5374 ± 0.1762

corr_usr_evMon11 RMS (ppm)