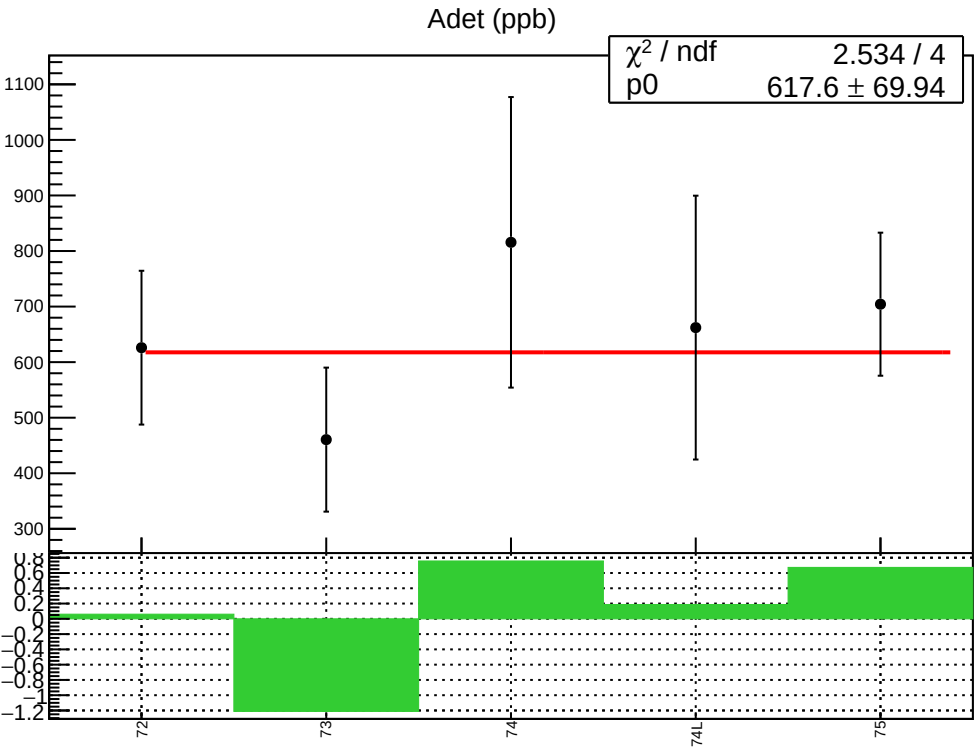
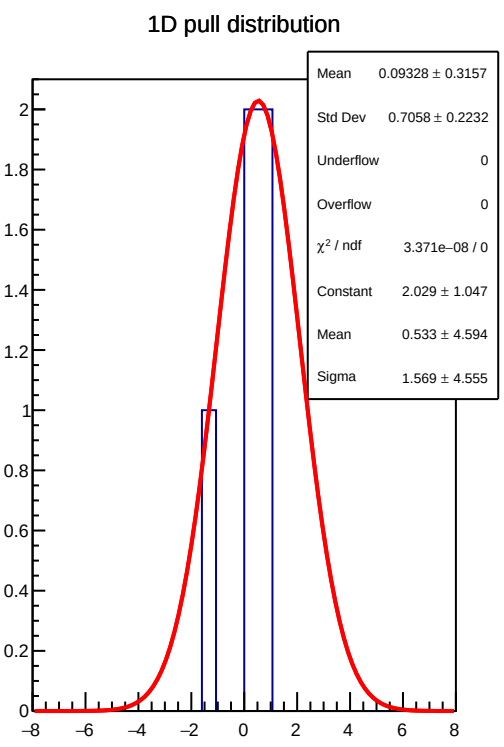
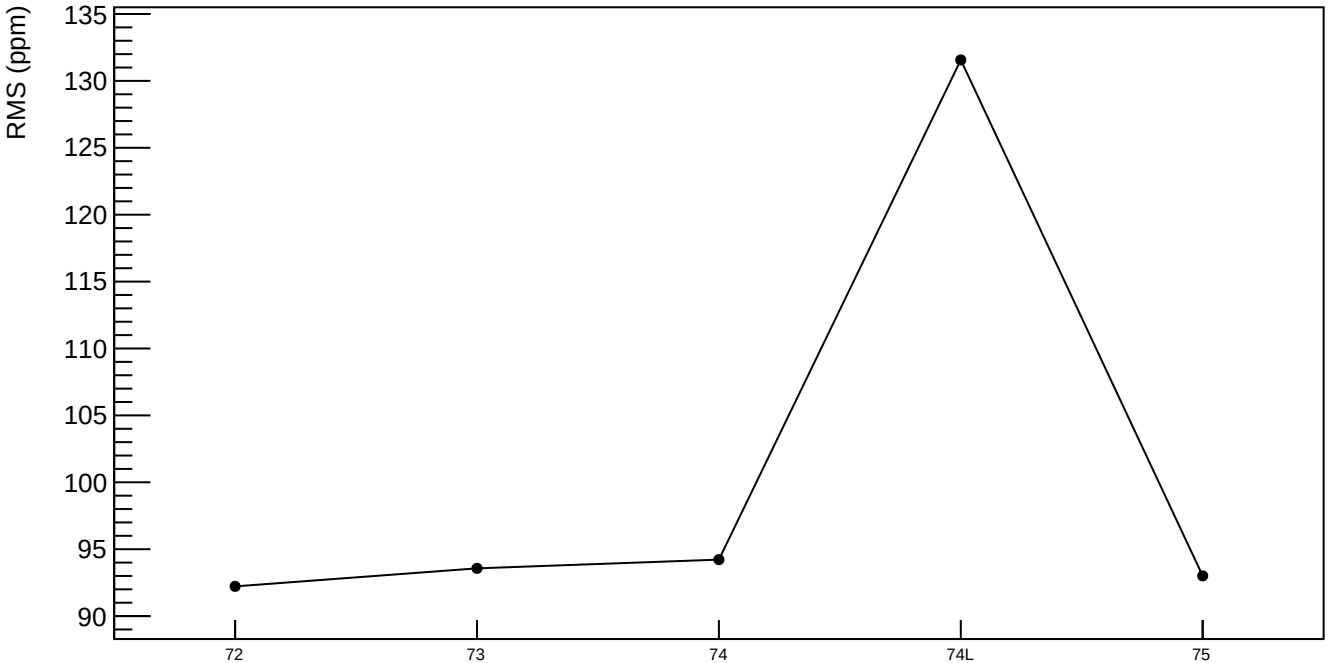
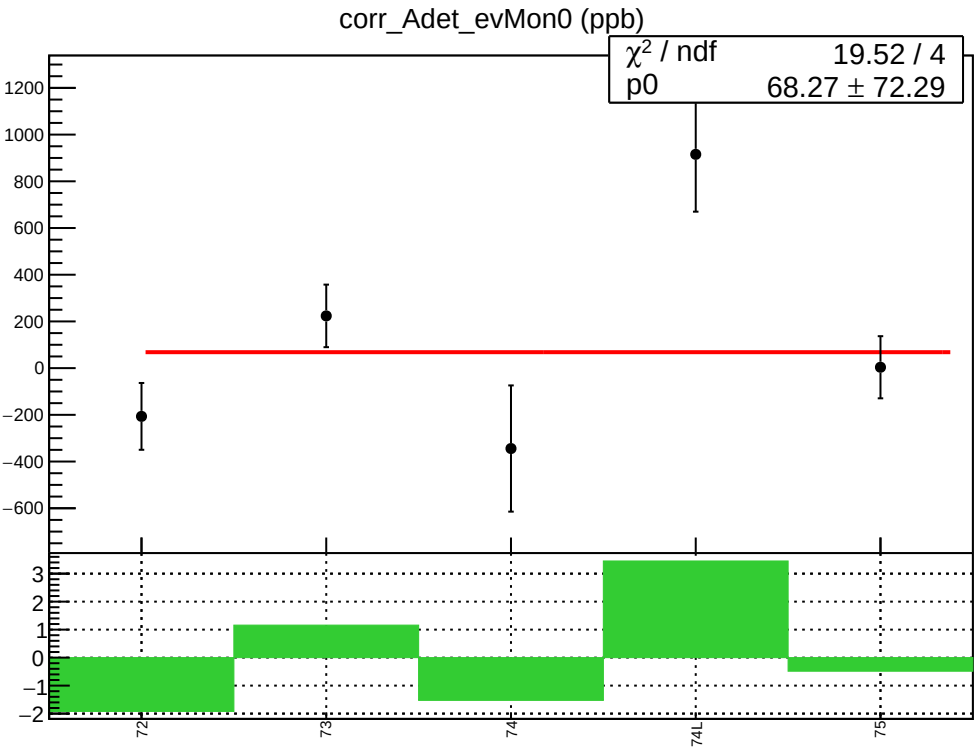
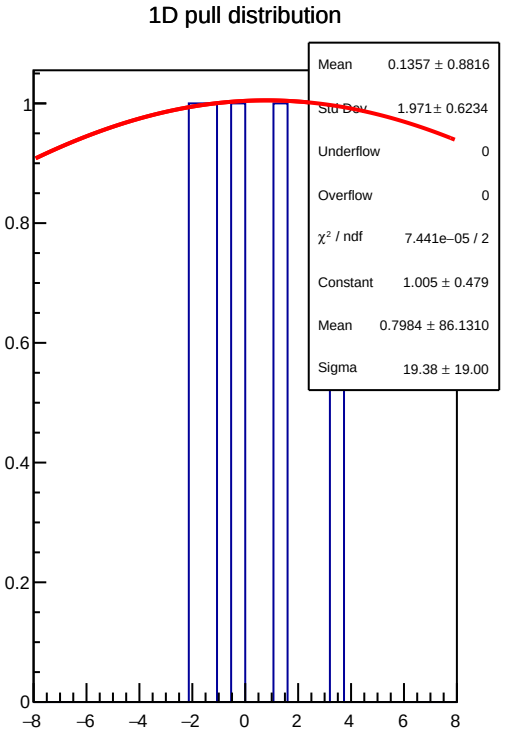

Adet (ppb)
χ² / ndf 2.534 / 4
p0 617.6 ± 69.94
72
73
74
74L
75


1D pull distribution
Mean 0.09328 ± 0.3157
Std Dev 0.7058 ± 0.2232
Underflow 0
Overflow 0
χ² / ndf 3.371e−08 / 0
Constant 2.029 ± 1.047
Mean 0.533 ± 4.594
Sigma 1.569 ± 4.555

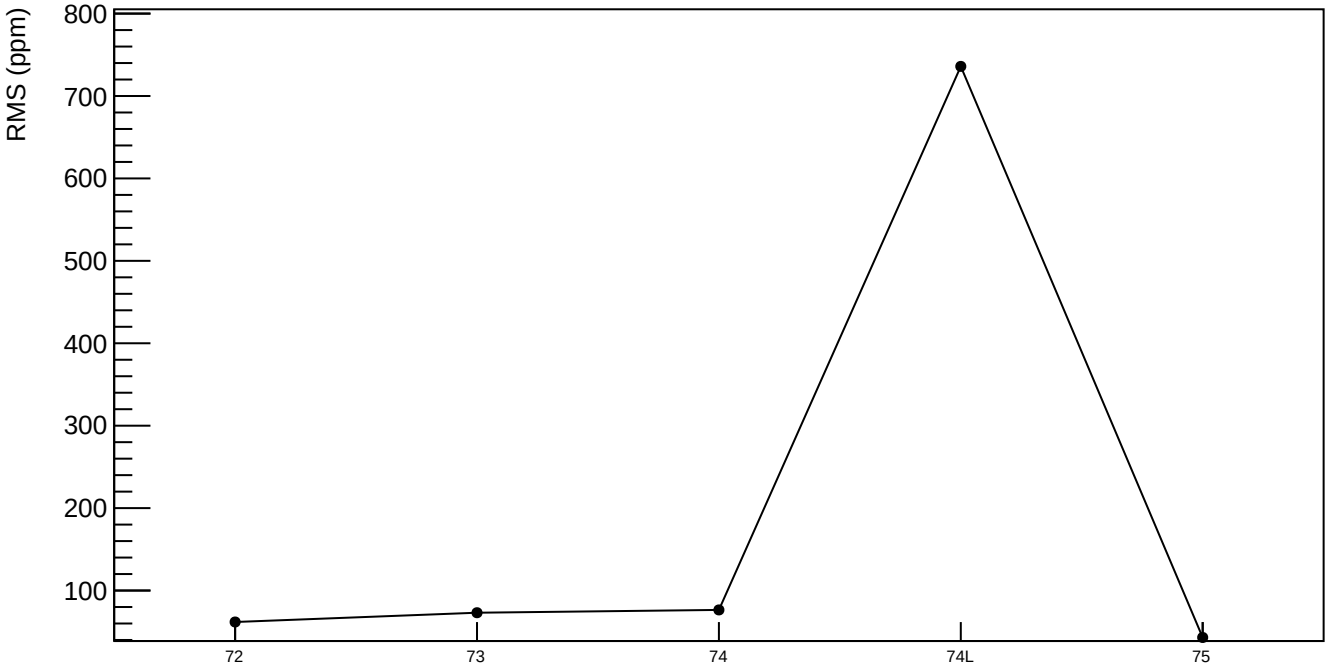
Adet RMS (ppm)

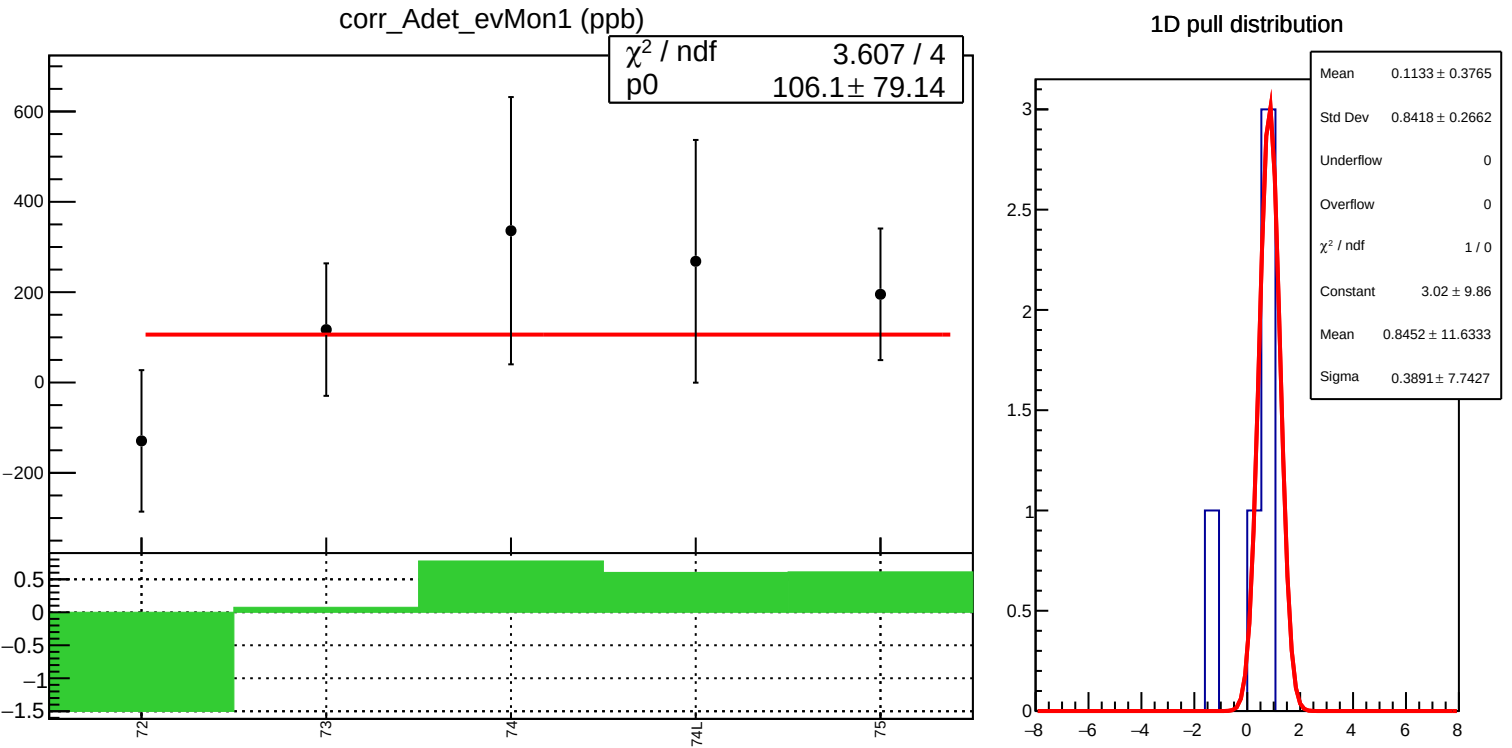



corr_Adet_evMon0 (ppb)
χ² / ndf 19.52 / 4
p0 68.27 ± 72.29
1200
1000
800
600
400
200
0
−200
−400
−600
3
2
1
0
−1
−2
72
73
74
74L
75

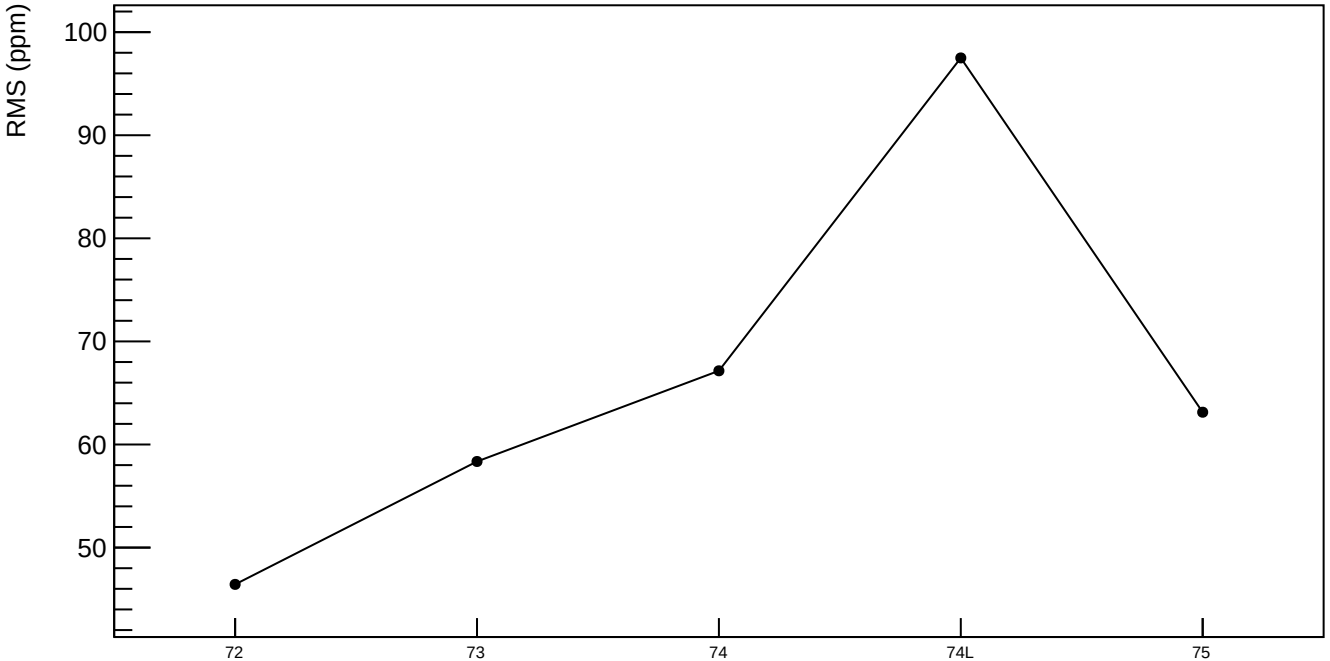

1D pull distribution
Mean 0.1357 ± 0.8816
Std Dev 1.971± 0.6234
Underflow 0
Overflow 0
χ² / ndf 7.441e−05 / 2
Constant 1.005 ± 0.479
Mean 0.7984 ± 86.1310
Sigma 19.38 ± 19.00
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

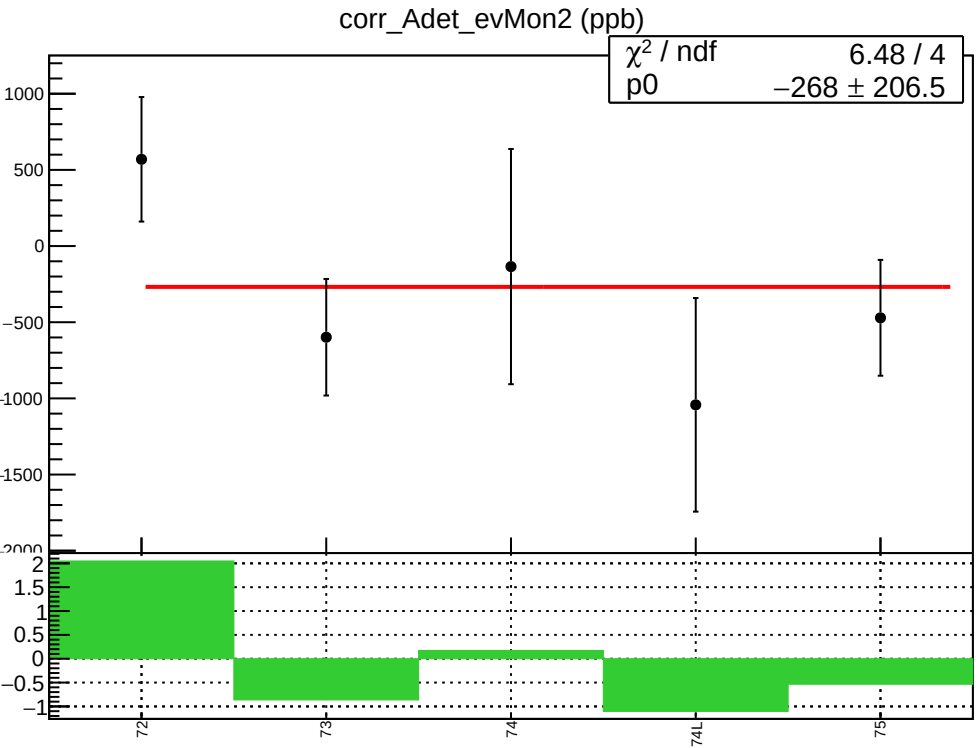
corr_Adet_evMon0 RMS (ppm)

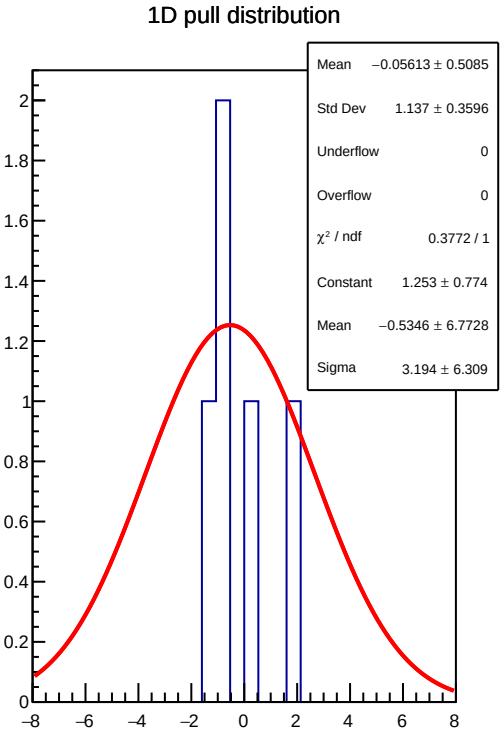



corr_Adet_evMon1 (ppb)
χ² / ndf 3.607 / 4
p0 106.1 ± 79.14
600
400
200
0
−200
0.5
0
−0.5
−1
−1.5
72
73
74
74L
75
1D pull distribution
Mean 0.1133 ± 0.3765
Std Dev 0.8418 ± 0.2662
Underflow 0
Overflow 0
χ² / ndf 1 / 0
Constant 3.02 ± 9.86
Mean 0.8452 ± 11.6333
Sigma 0.3891 ± 7.7427
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

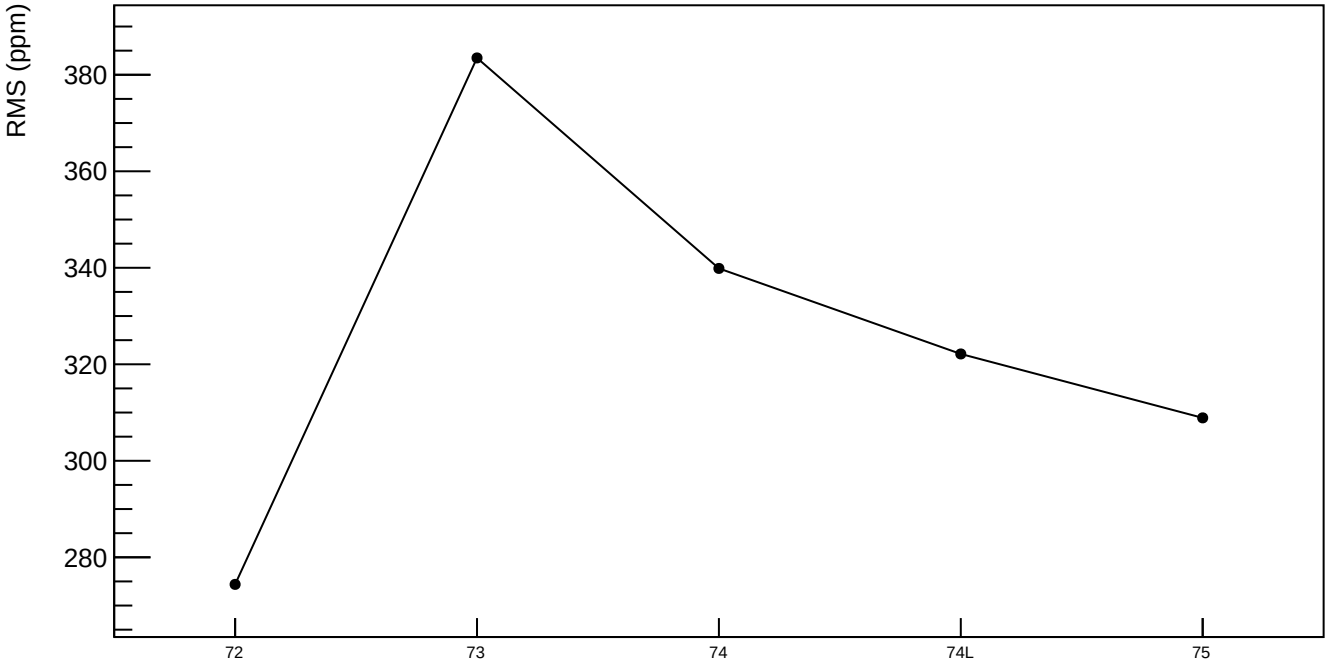
corr_Adet_evMon1 RMS (ppm)

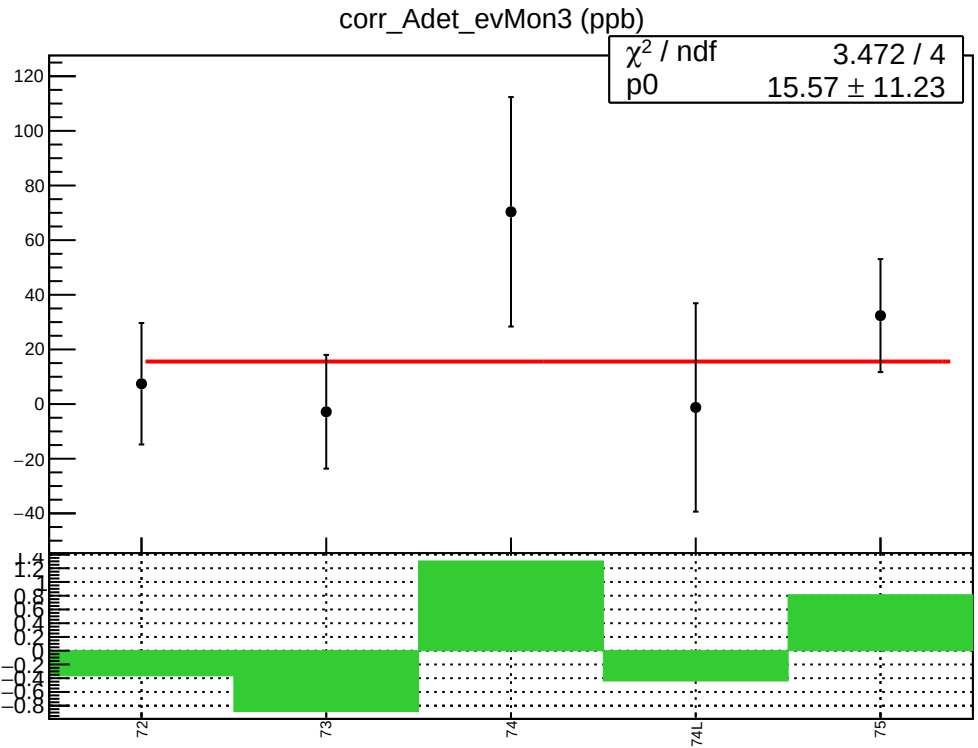


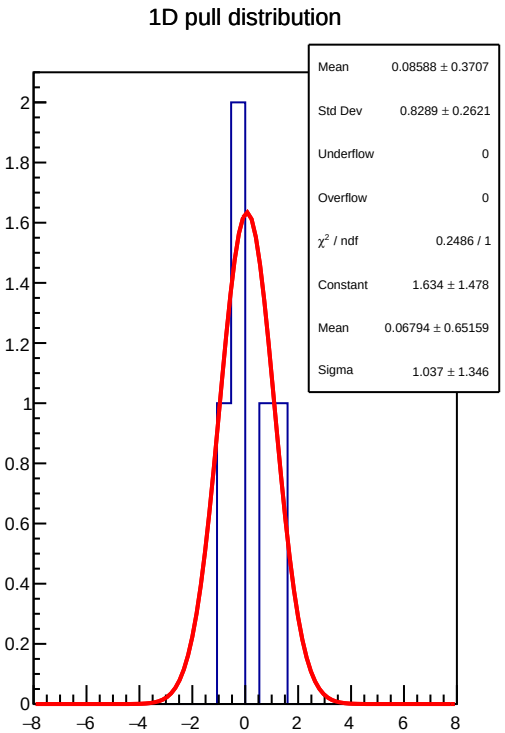

corr_Adet_evMon2 (ppb)
χ² / ndf 6.48 / 4
p0 −268 ± 206.5
1000
500
0
−500
−1000
−1500
−2000
2
1.5
1
0.5
0
−0.5
−1
72
73
74
74L
75

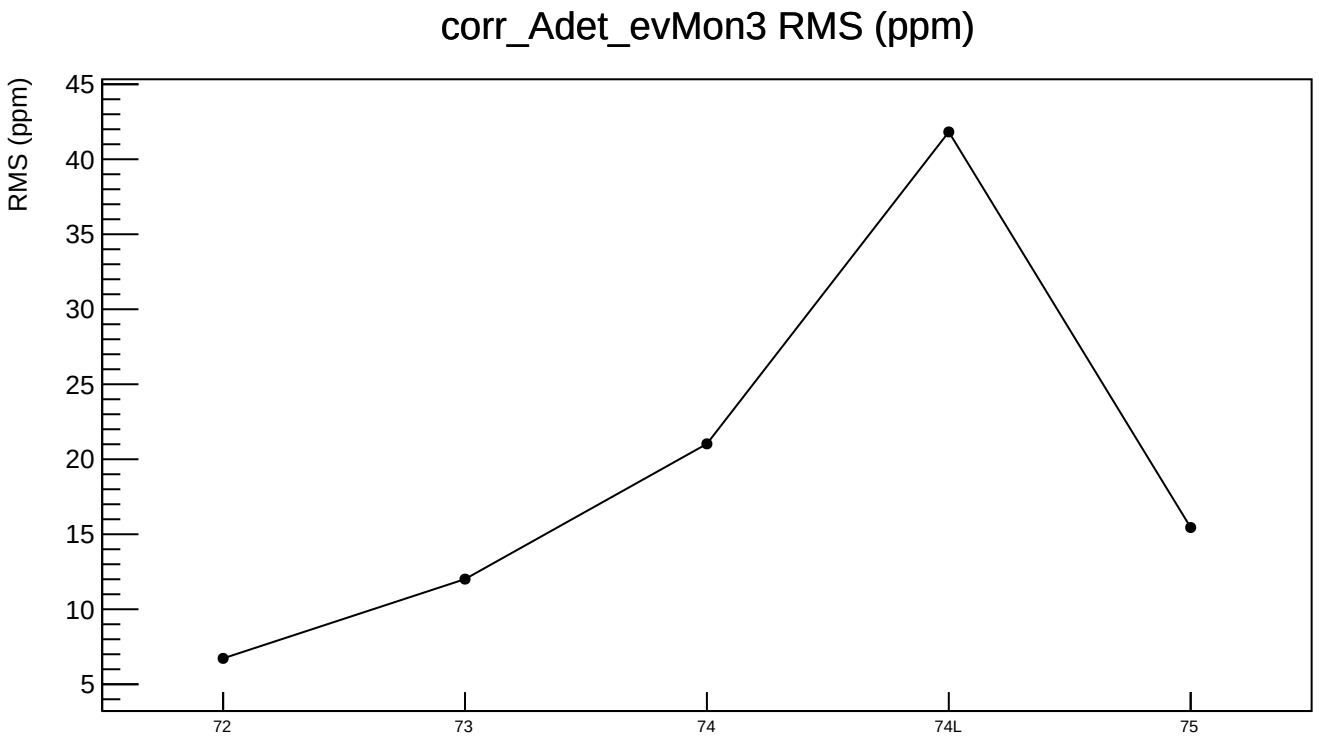

1D pull distribution
Mean −0.05613 ± 0.5085
Std Dev 1.137 ± 0.3596
Underflow 0
Overflow 0
χ² / ndf 0.3772 / 1
Constant 1.253 ± 0.774
Mean −0.5346 ± 6.7728
Sigma 3.194 ± 6.309
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

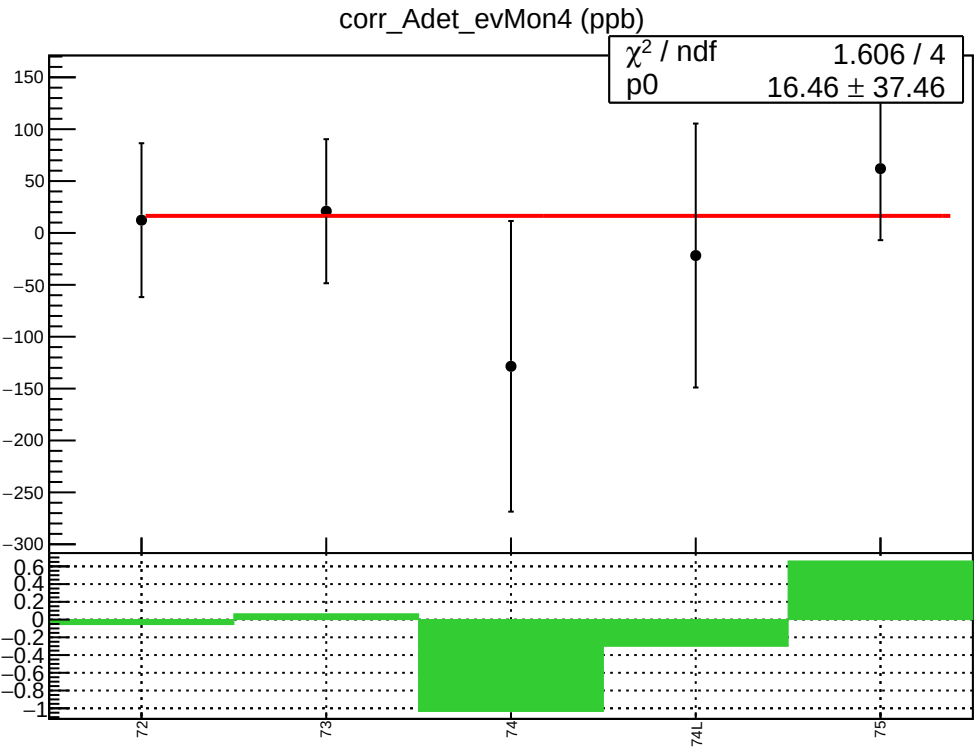
corr_Adet_evMon2 RMS (ppm)

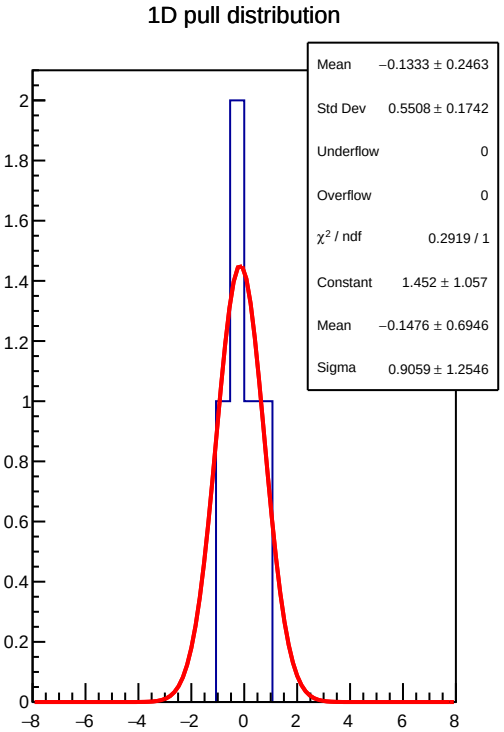



corr_Adet_evMon3 (ppb)
χ² / ndf 3.472 / 4
p0 15.57 ± 11.23
72
73
74
74L
75

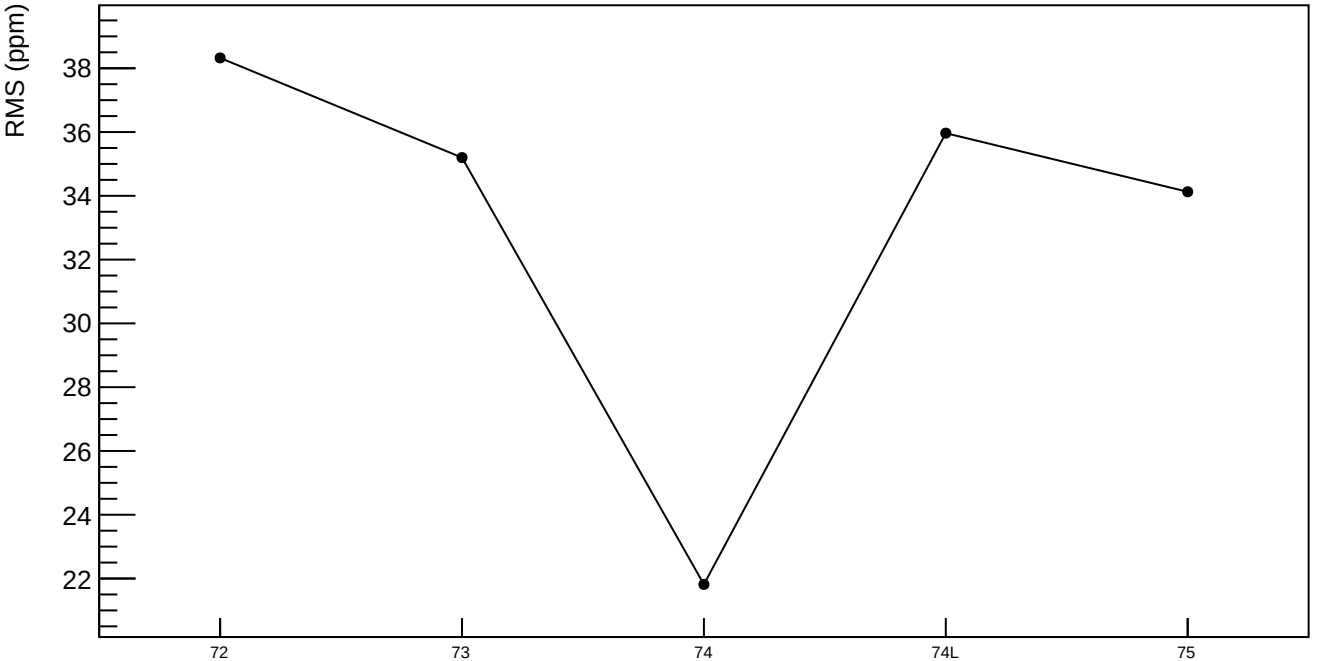

1D pull distribution
Mean 0.08588 ± 0.3707
Std Dev 0.8289 ± 0.2621
Underflow 0
Overflow 0
χ² / ndf 0.2486 / 1
Constant 1.634 ± 1.478
Mean 0.06794 ± 0.65159
Sigma 1.037 ± 1.346

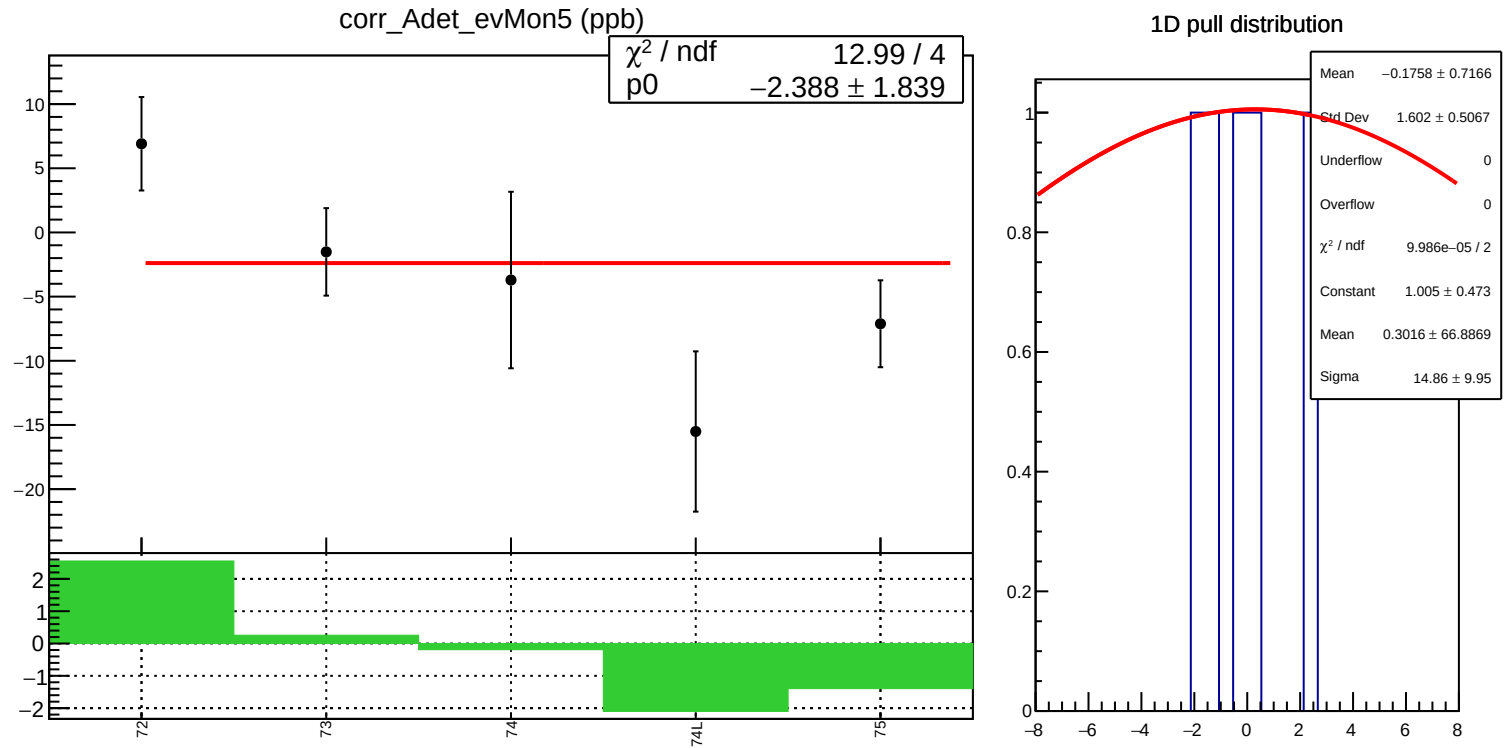

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
45
40
35
30
25
20
15
10
5
72
73
74
74L
75

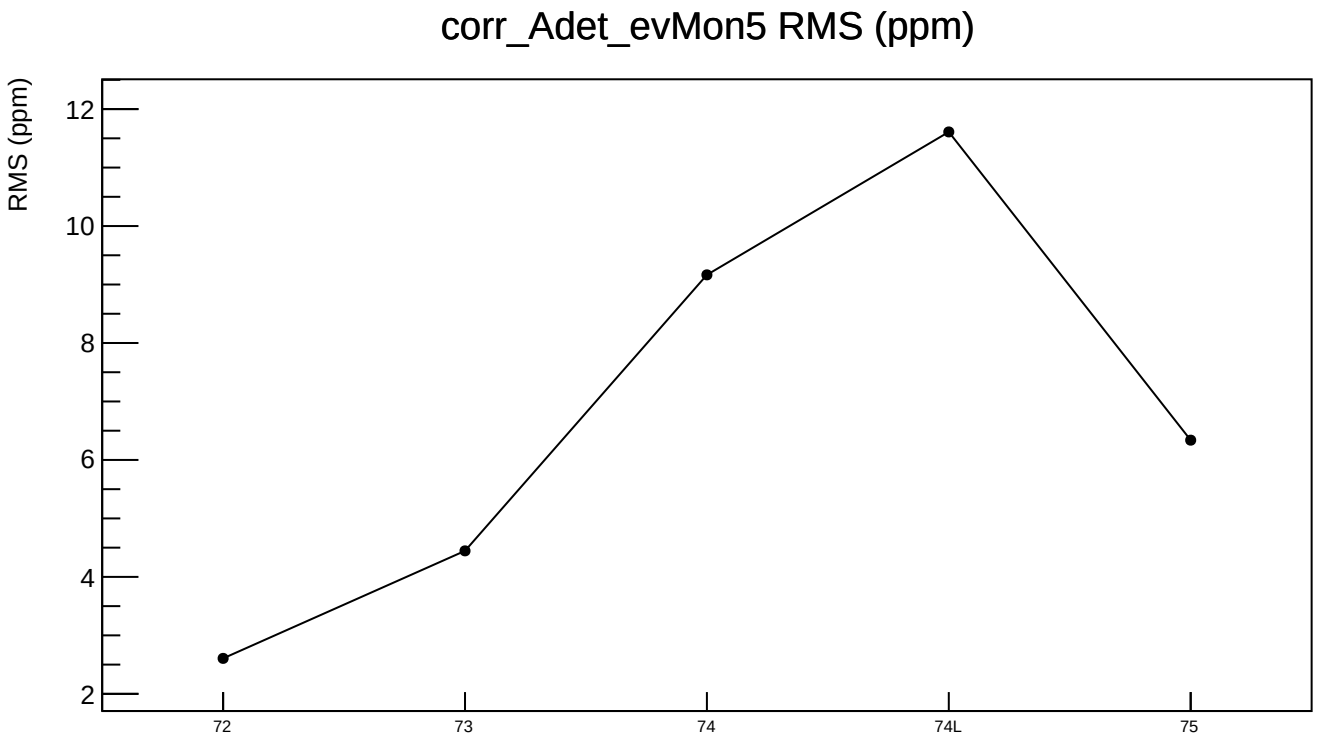

corr_Adet_evMon4 (ppb)
χ² / ndf 1.606 / 4
p0 16.46 ± 37.46
150
100
50
0
−50
−100
−150
−200
−250
−300
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
72
73
74
74L
75

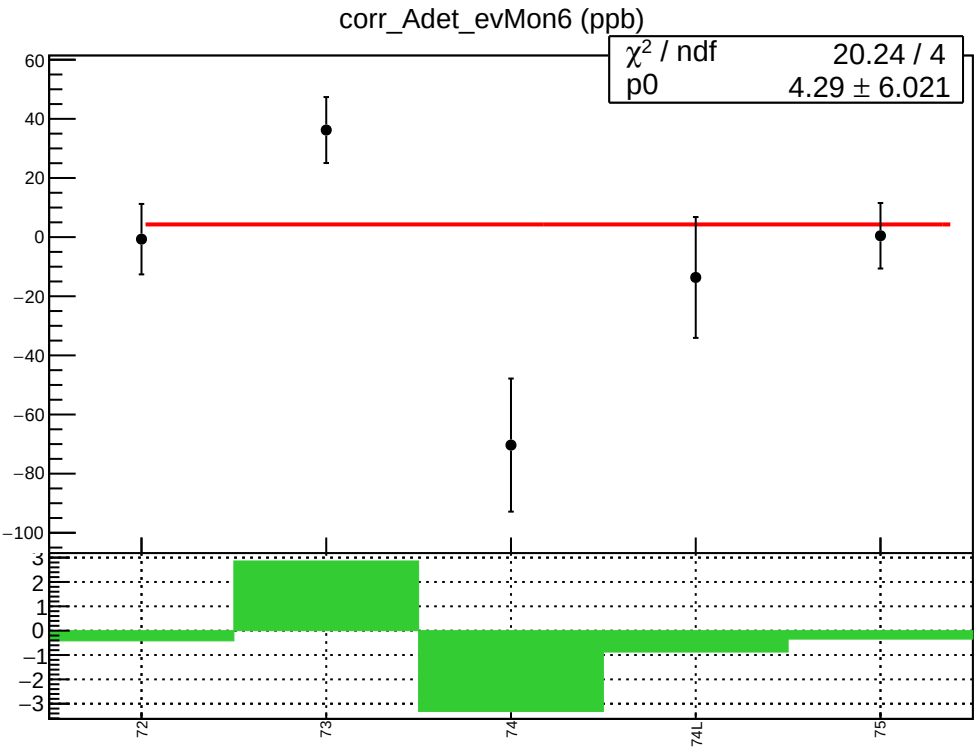

1D pull distribution
Mean −0.1333 ± 0.2463
Std Dev 0.5508 ± 0.1742
Underflow 0
Overflow 0
χ² / ndf 0.2919 / 1
Constant 1.452 ± 1.057
Mean −0.1476 ± 0.6946
Sigma 0.9059 ± 1.2546
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

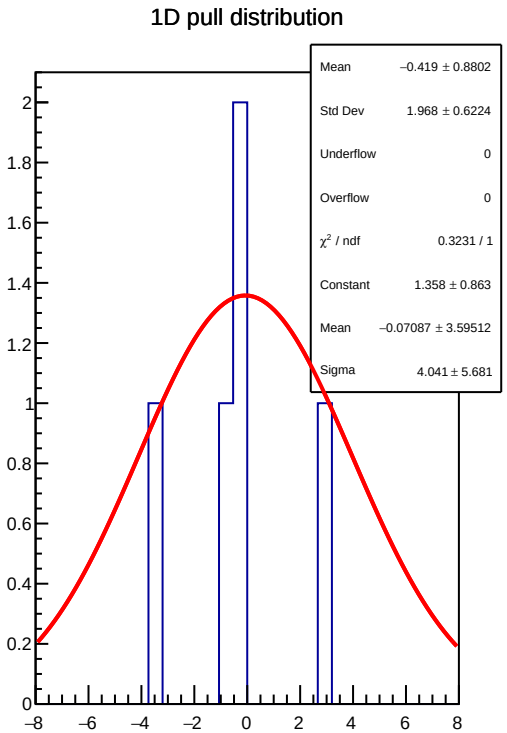
corr_Adet_evMon4 RMS (ppm)



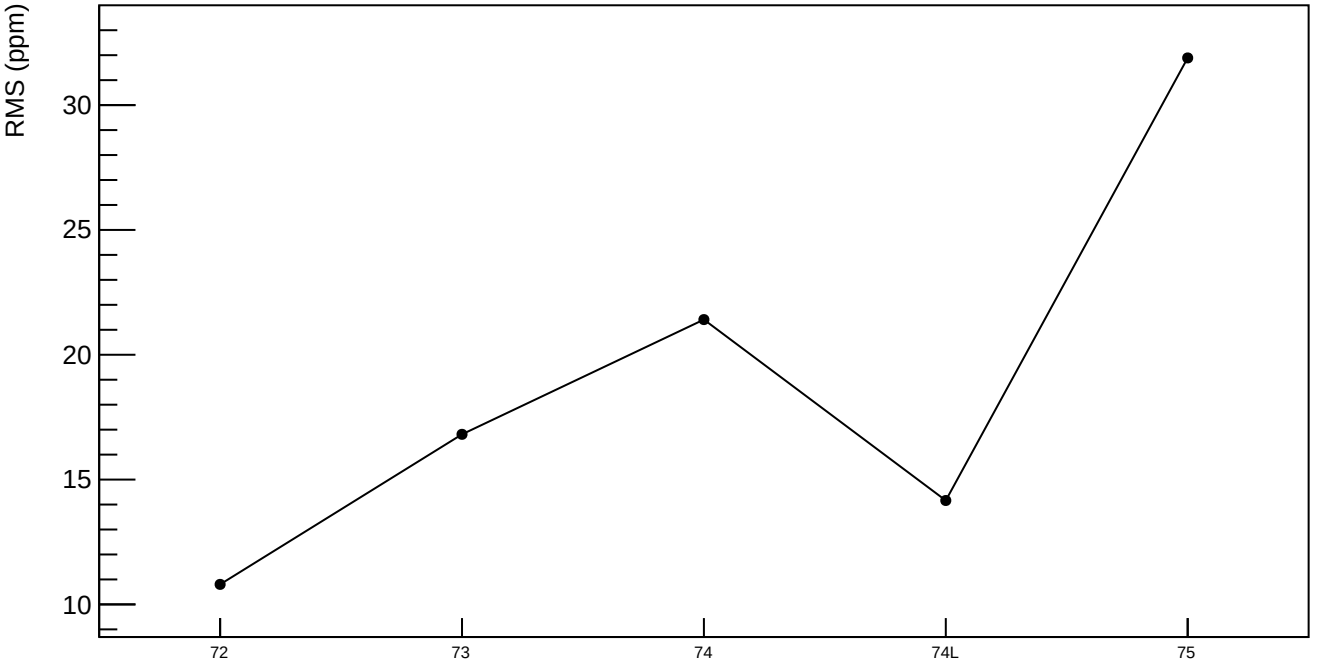

corr_Adet_evMon5 (ppb)
χ² / ndf 12.99 / 4
p0 −2.388 ± 1.839
72
73
74
74L
75
1D pull distribution
Mean −0.1758 ± 0.7166
Std Dev 1.602 ± 0.5067
Underflow 0
Overflow 0
χ² / ndf 9.986e−05 / 2
Constant 1.005 ± 0.473
Mean 0.3016 ± 66.8869
Sigma 14.86 ± 9.95

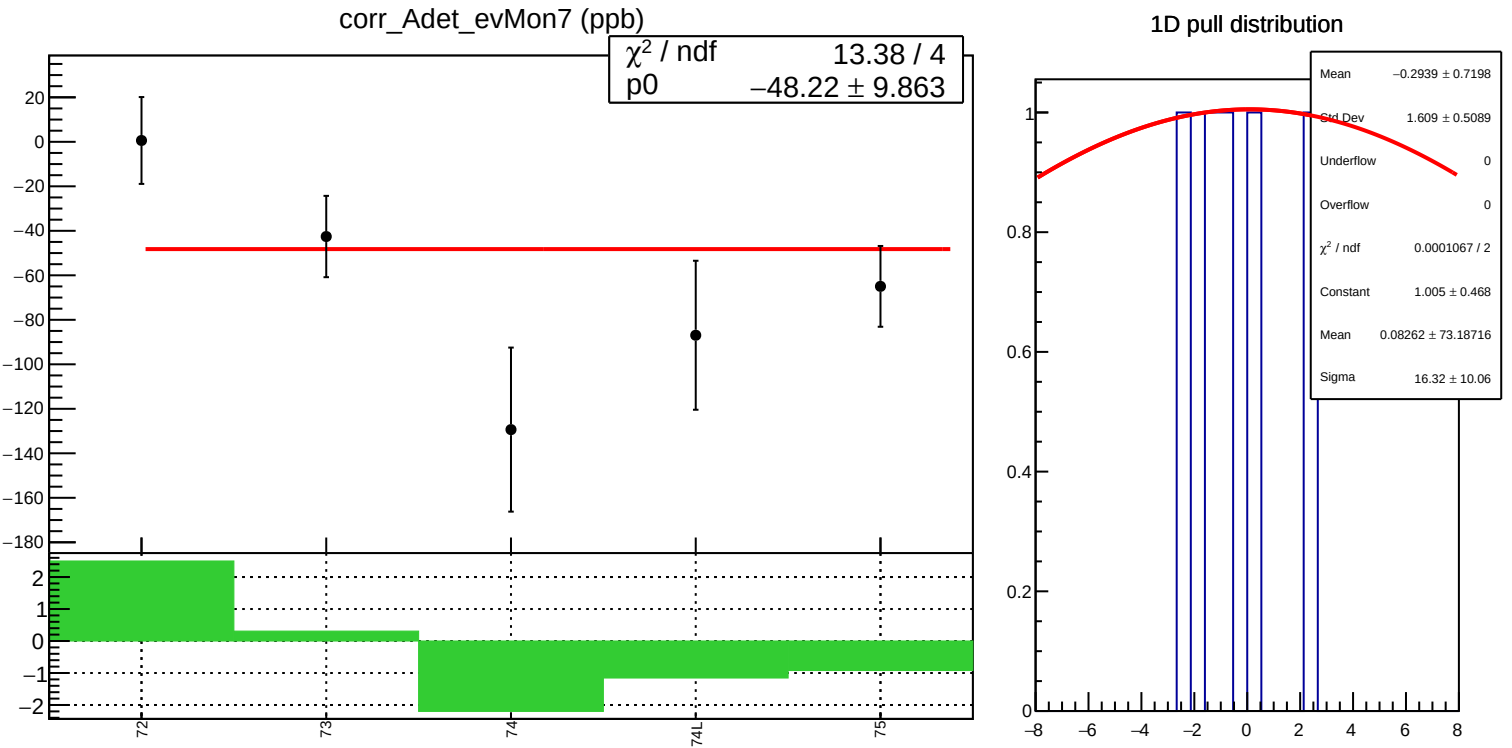

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
12
10
8
6
4
2
72
73
74
74L
75


corr_Adet_evMon6 (ppb)
χ² / ndf 20.24 / 4
p0 4.29 ± 6.021
72
73
74
74L
75

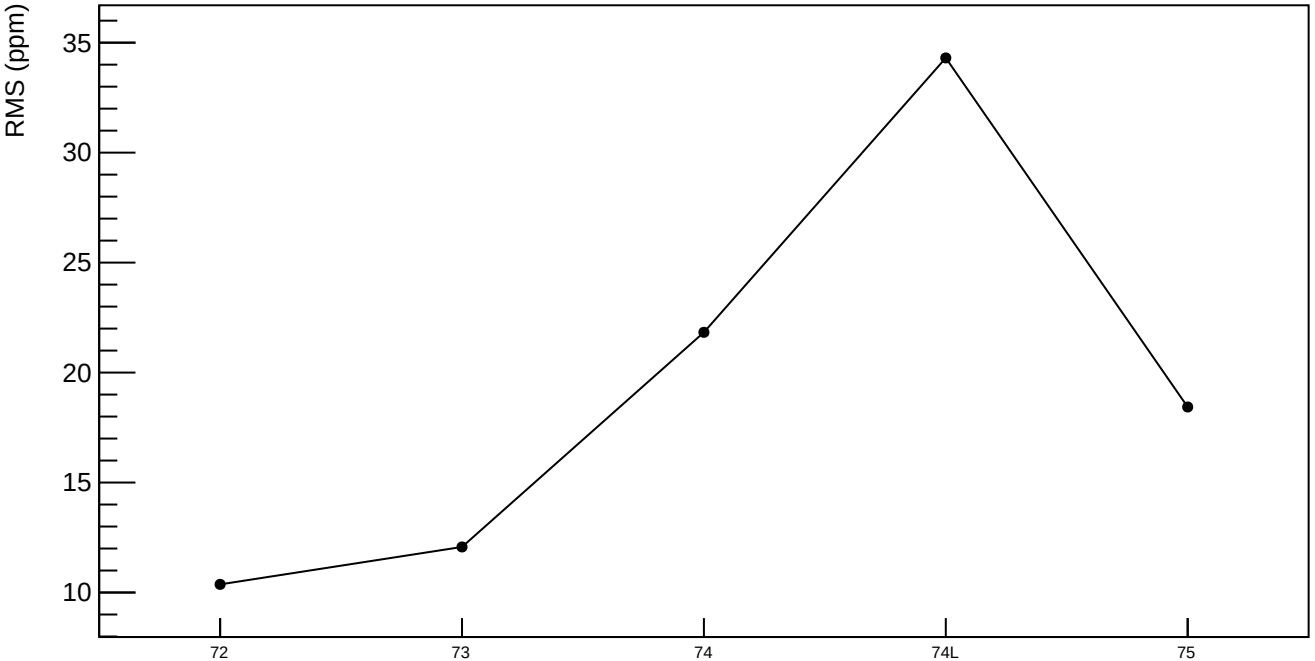

1D pull distribution
Mean −0.419 ± 0.8802
Std Dev 1.968 ± 0.6224
Underflow 0
Overflow 0
χ² / ndf 0.3231 / 1
Constant 1.358 ± 0.863
Mean −0.07087 ± 3.59512
Sigma 4.041 ± 5.681

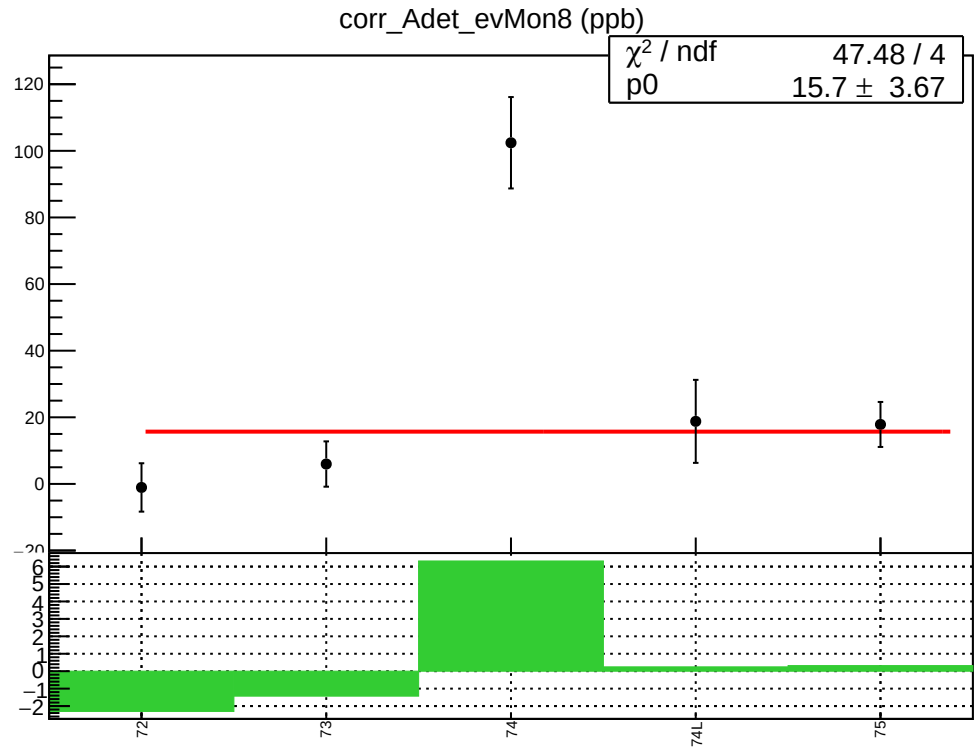
corr_Adet_evMon6 RMS (ppm)

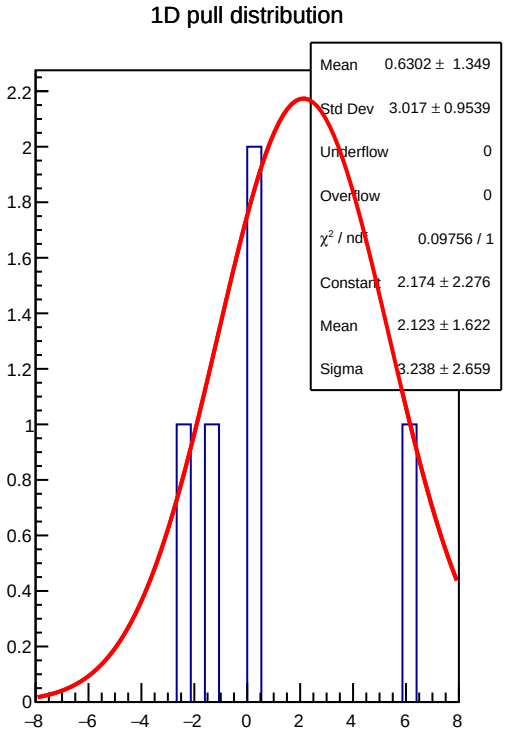


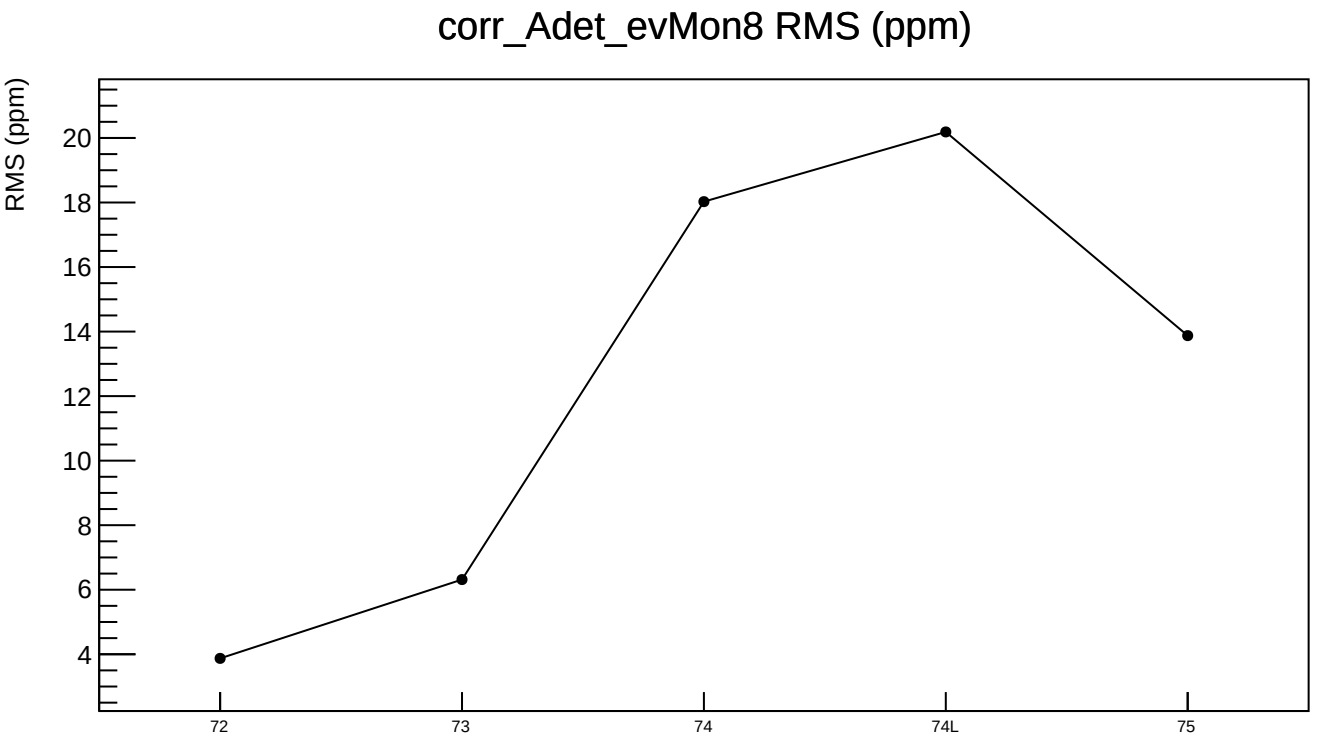

corr_Adet_evMon7 (ppb)
χ² / ndf 13.38 / 4
p0 −48.22 ± 9.863
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
2
1
0
−1
−2
72
73
74
74L
75
1D pull distribution
Mean −0.2939 ± 0.7198
Std Dev 1.609 ± 0.5089
Underflow 0
Overflow 0
χ² / ndf 0.0001067 / 2
Constant 1.005 ± 0.468
Mean 0.08262 ± 73.18716
Sigma 16.32 ± 10.06
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

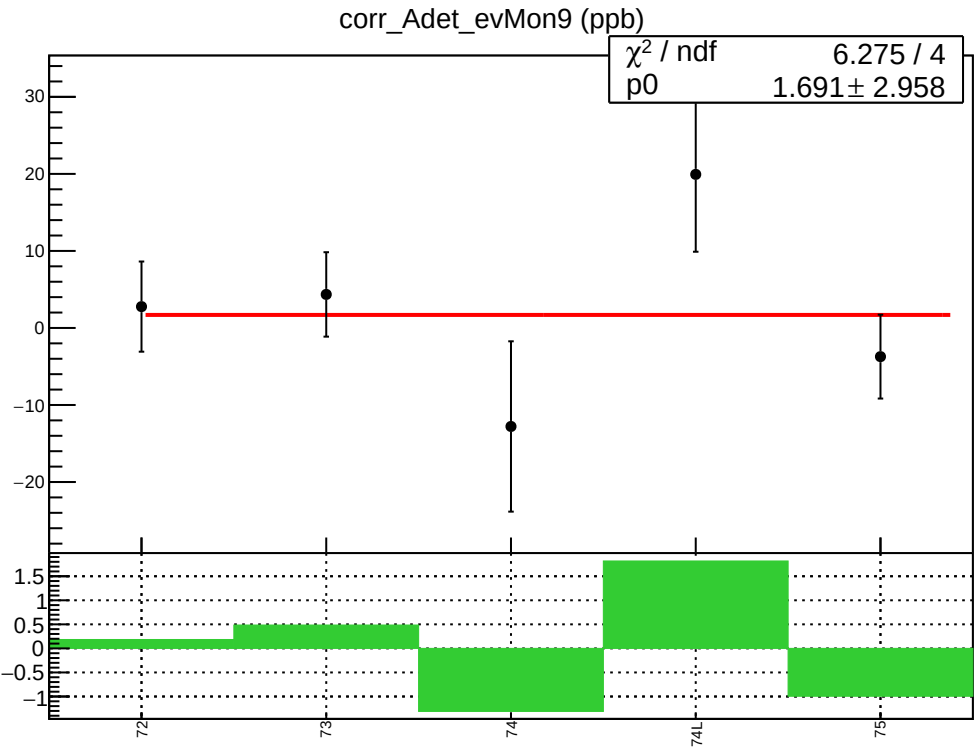
corr_Adet_evMon7 RMS (ppm)

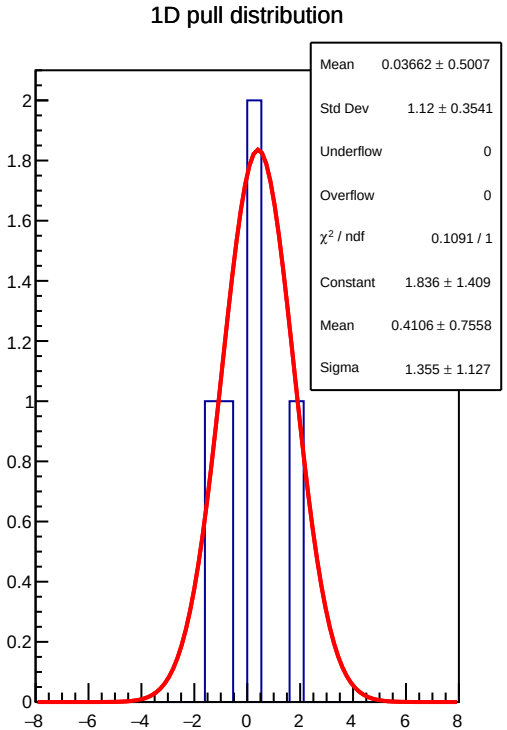


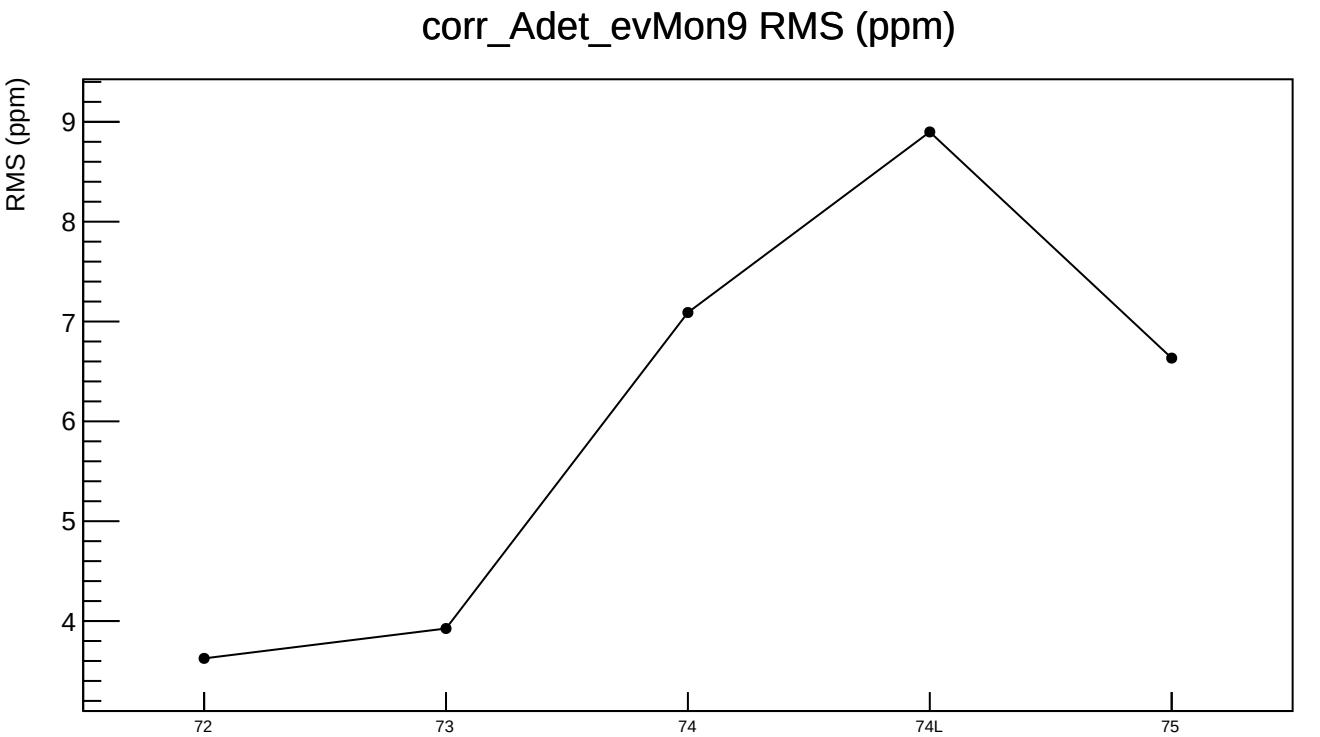

corr_Adet_evMon8 (ppb)
χ² / ndf 47.48 / 4
p0 15.7 ± 3.67
120
100
80
60
40
20
0
−20
6
5
4
3
2
1
0
−1
−2
72
73
74
74L
75

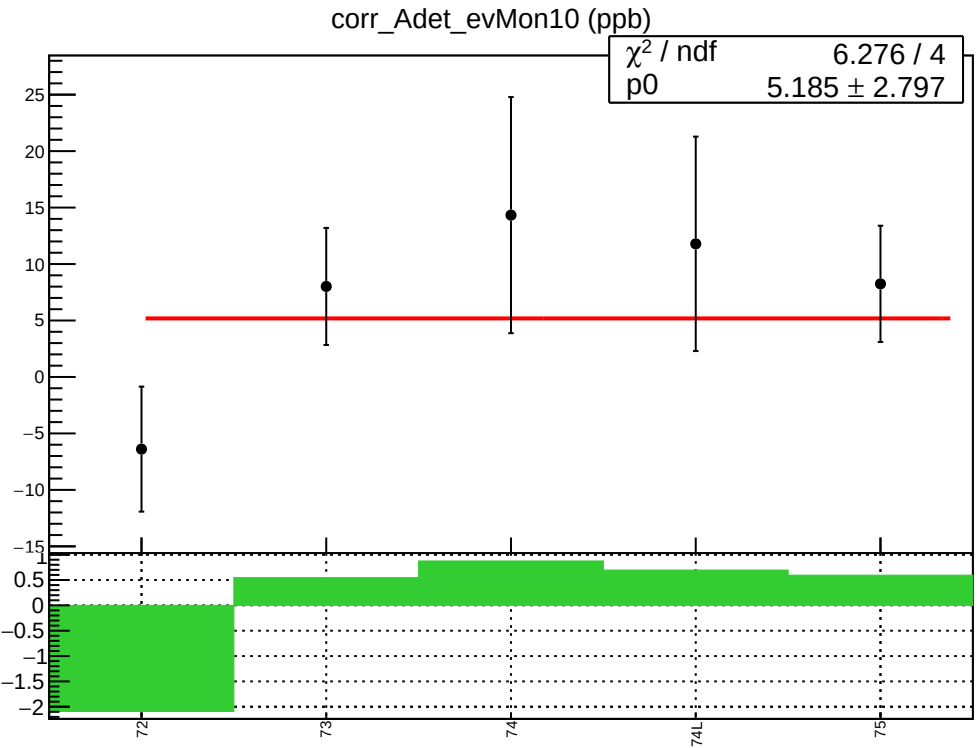

1D pull distribution
Mean 0.6302 ± 1.349
Std Dev 3.017 ± 0.9539
Underflow 0
Overflow 0
χ² / ndf 0.09756 / 1
Constant 2.174 ± 2.276
Mean 2.123 ± 1.622
Sigma 3.238 ± 2.659
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

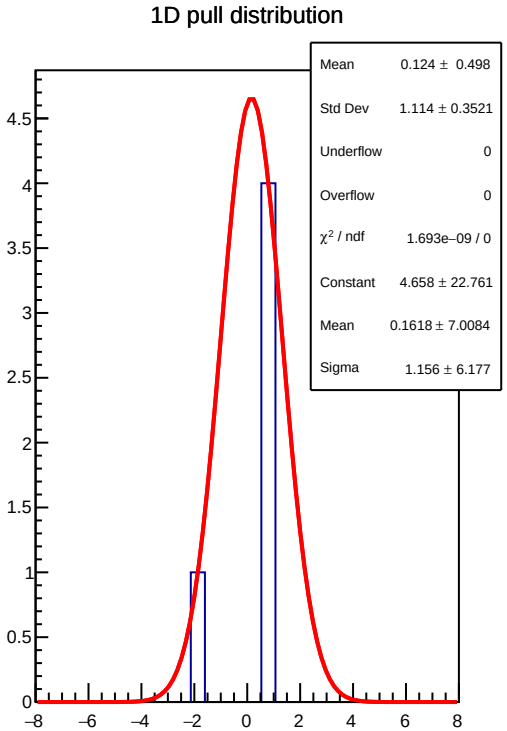

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
20
18
16
14
12
10
8
6
4
72
73
74
74L
75


corr_Adet_evMon9 (ppb)
χ² / ndf 6.275 / 4
p0 1.691 ± 2.958
72
73
74
74L
75

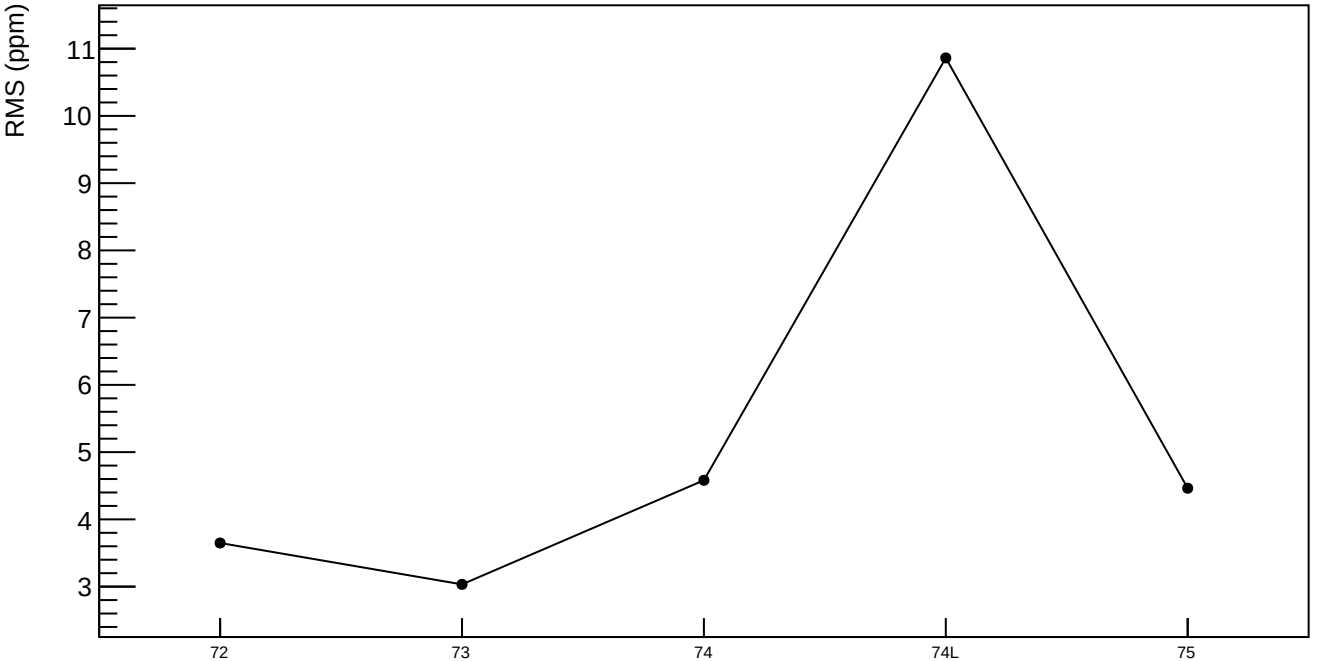

1D pull distribution
Mean 0.03662 ± 0.5007
Std Dev 1.12 ± 0.3541
Underflow 0
Overflow 0
χ² / ndf 0.1091 / 1
Constant 1.836 ± 1.409
Mean 0.4106 ± 0.7558
Sigma 1.355 ± 1.127

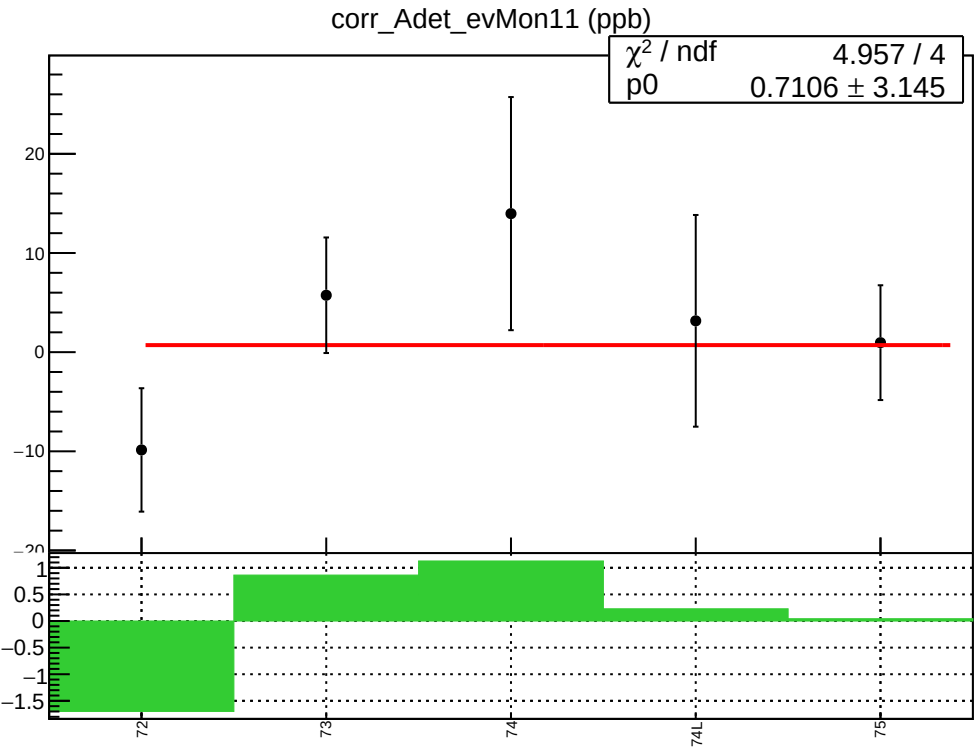

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
9
8
7
6
5
4
72
73
74
74L
75

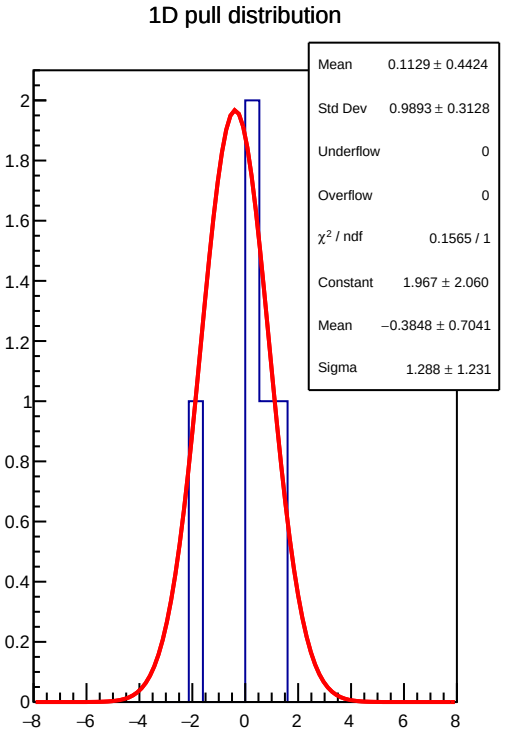

corr_Adet_evMon10 (ppb)
χ² / ndf 6.276 / 4
p0 5.185 ± 2.797
72
73
74
74L
75


1D pull distribution
Mean 0.124 ± 0.498
Std Dev 1.114 ± 0.3521
Underflow 0
Overflow 0
χ² / ndf 1.693e−09 / 0
Constant 4.658 ± 22.761
Mean 0.1618 ± 7.0084
Sigma 1.156 ± 6.177

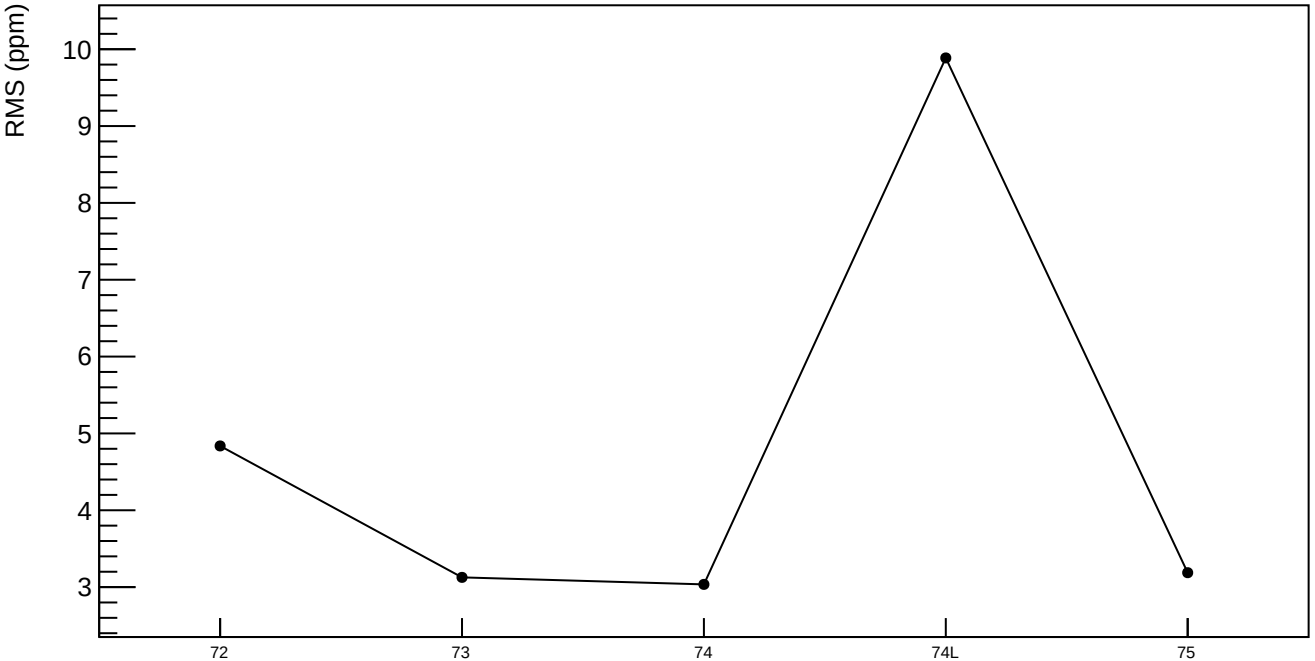
corr_Adet_evMon10 RMS (ppm)

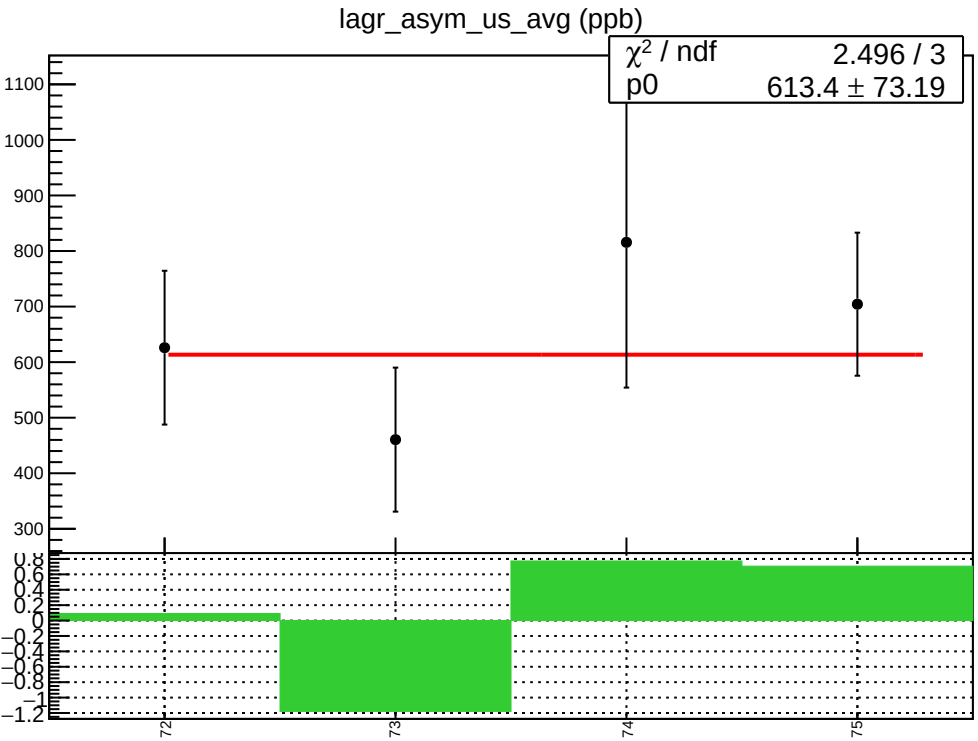


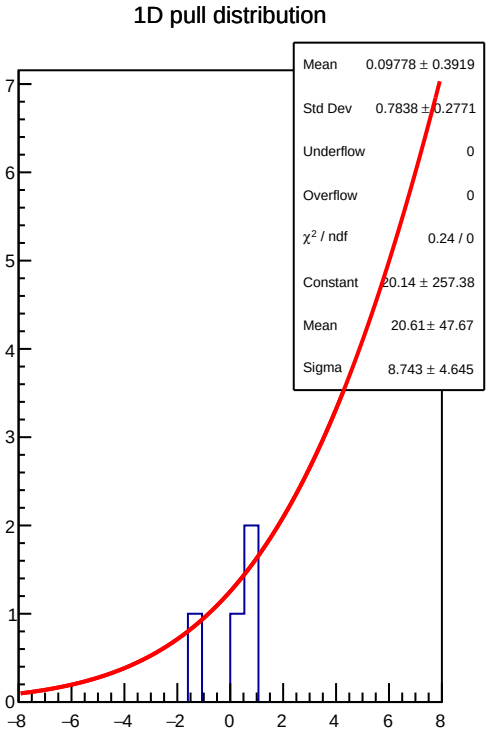

corr_Adet_evMon11 (ppb)
χ² / ndf 4.957 / 4
p0 0.7106 ± 3.145
20
10
0
−10
−20
1
0.5
0
−0.5
−1
−1.5
72
73
74
74L
75

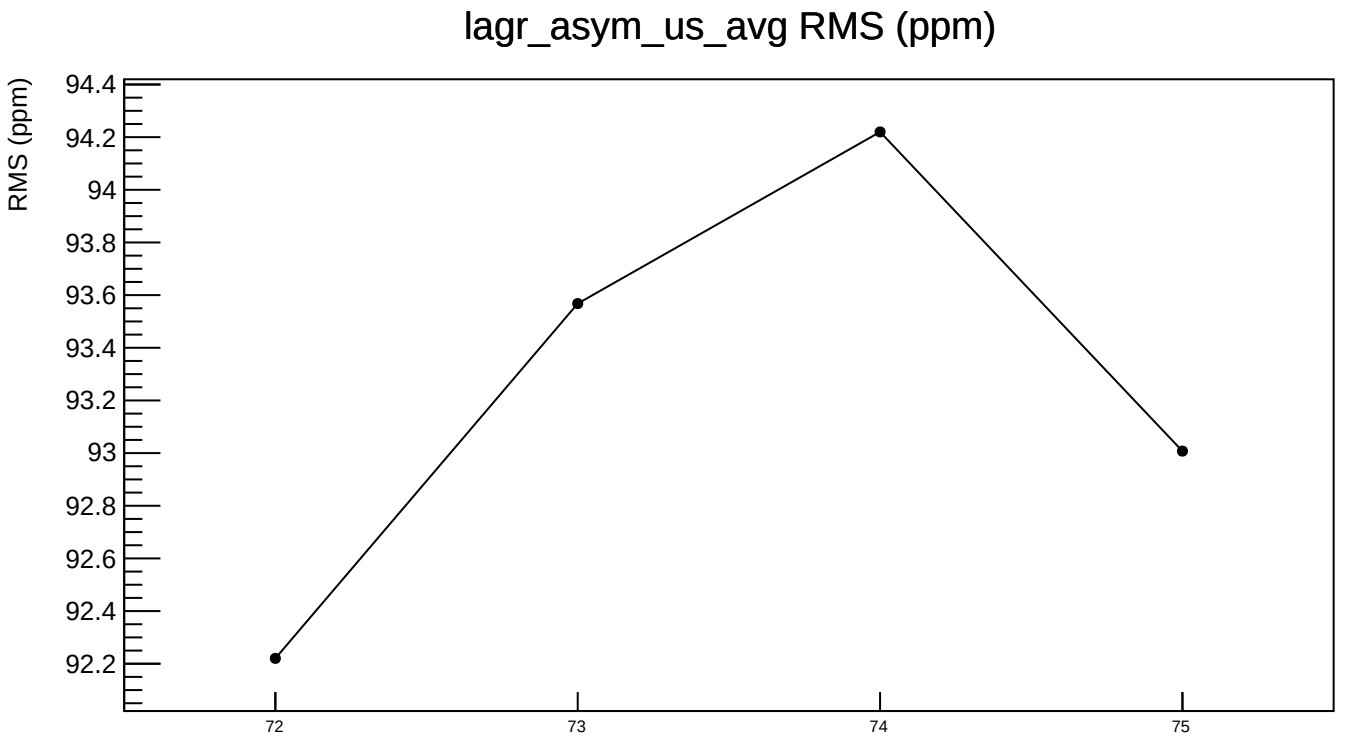

1D pull distribution
Mean 0.1129 ± 0.4424
Std Dev 0.9893 ± 0.3128
Underflow 0
Overflow 0
χ² / ndf 0.1565 / 1
Constant 1.967 ± 2.060
Mean −0.3848 ± 0.7041
Sigma 1.288 ± 1.231
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

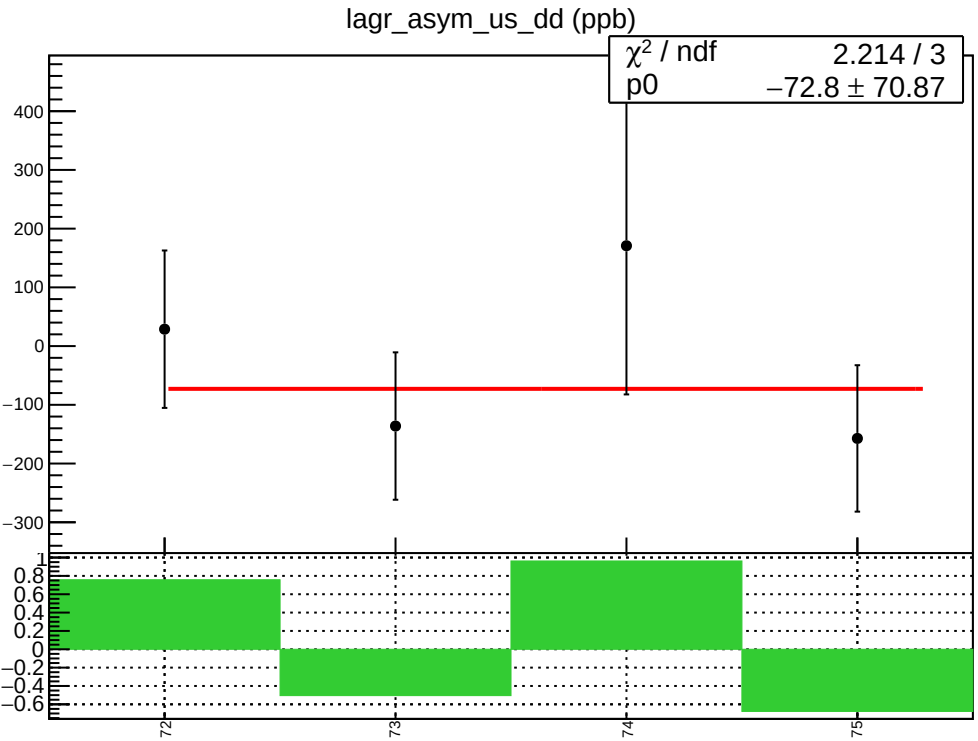
corr_Adet_evMon11 RMS (ppm)

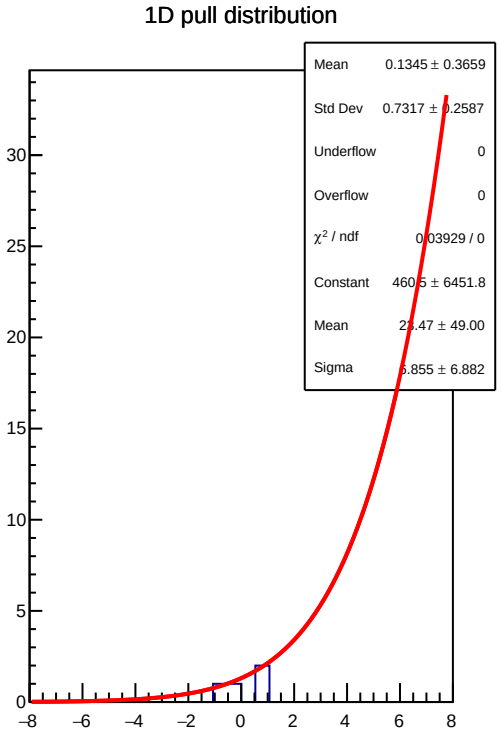


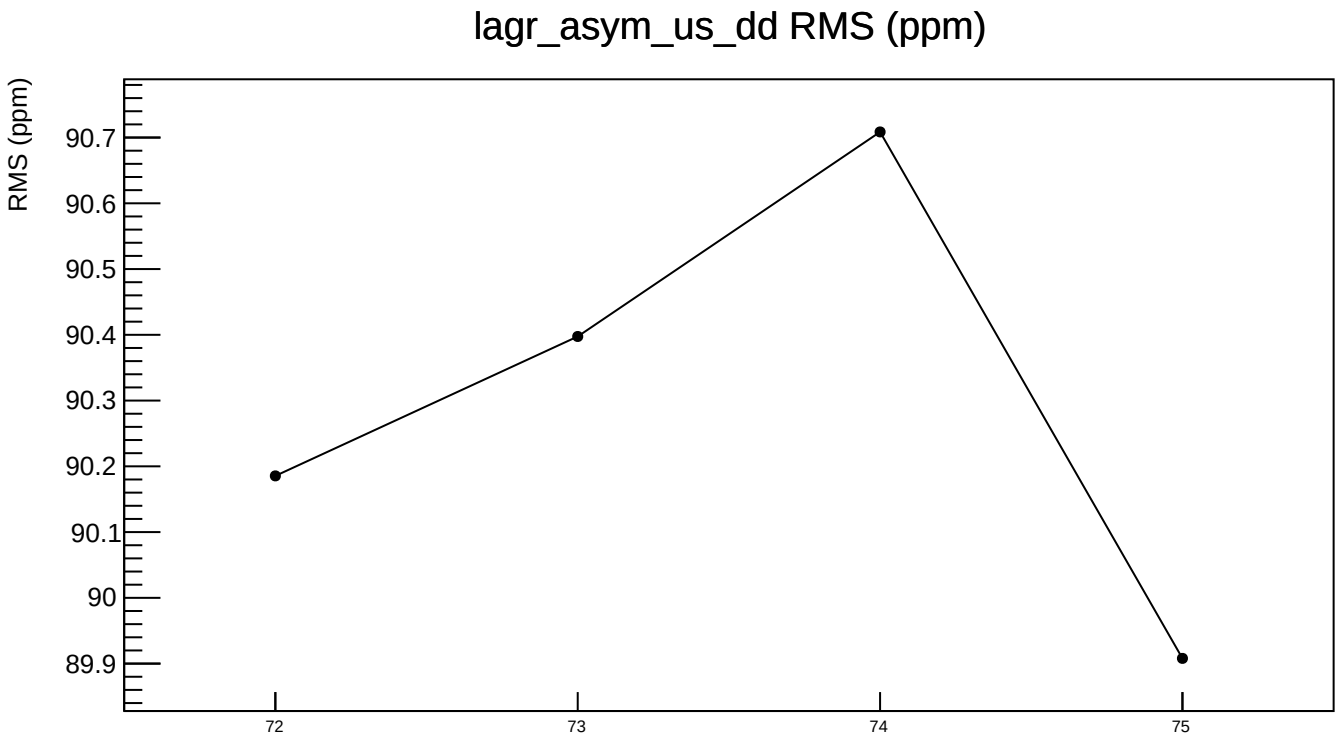

lagr_asym_us_avg (ppb)
χ² / ndf 2.496 / 3
p0 613.4 ± 73.19
1100
1000
900
800
700
600
500
400
300
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
72
73
74
75

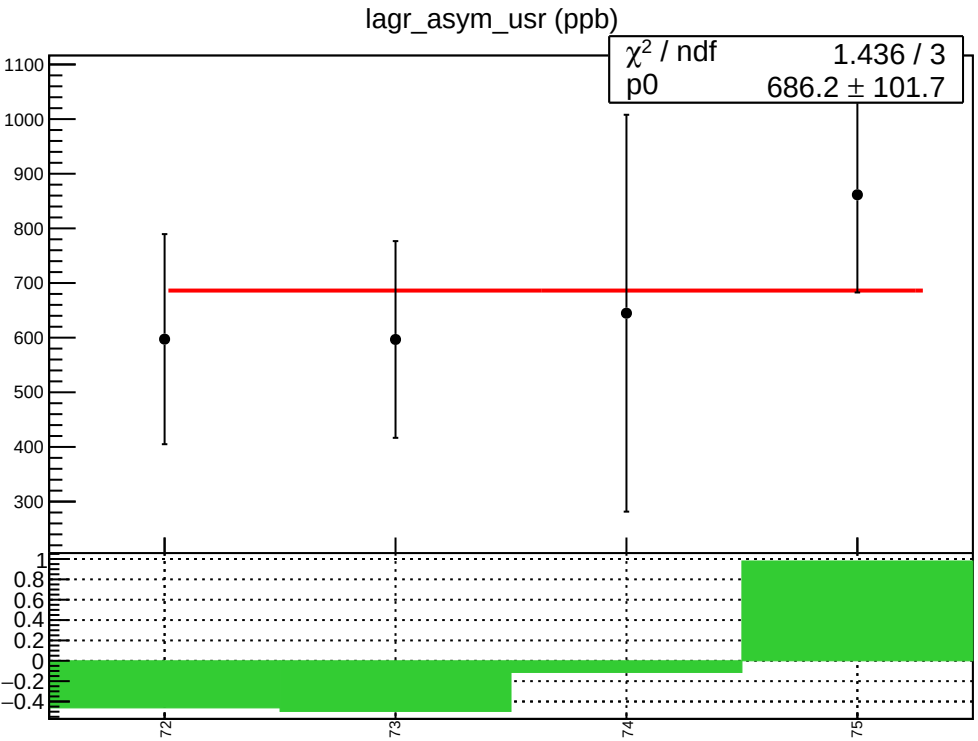

1D pull distribution
Mean 0.09778 ± 0.3919
Std Dev 0.7838 ± 0.2771
Underflow 0
Overflow 0
χ² / ndf 0.24 / 0
Constant 20.14 ± 257.38
Mean 20.61 ± 47.67
Sigma 8.743 ± 4.645
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

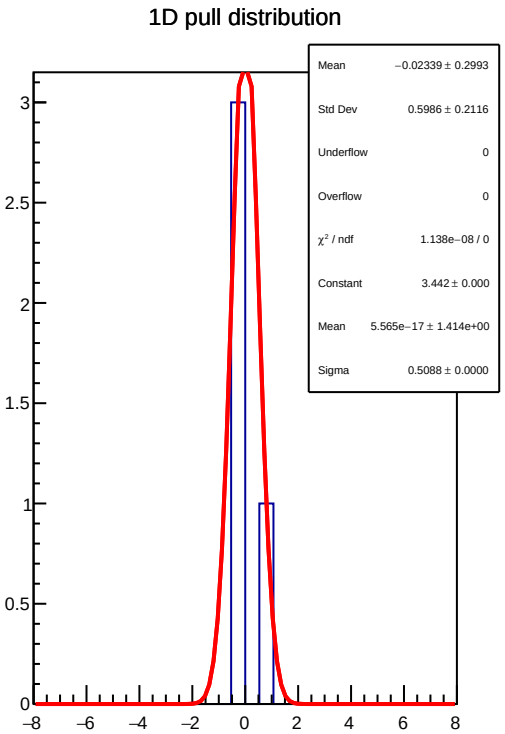

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
94.4
94.2
94
93.8
93.6
93.4
93.2
93
92.8
92.6
92.4
92.2
72
73
74
75

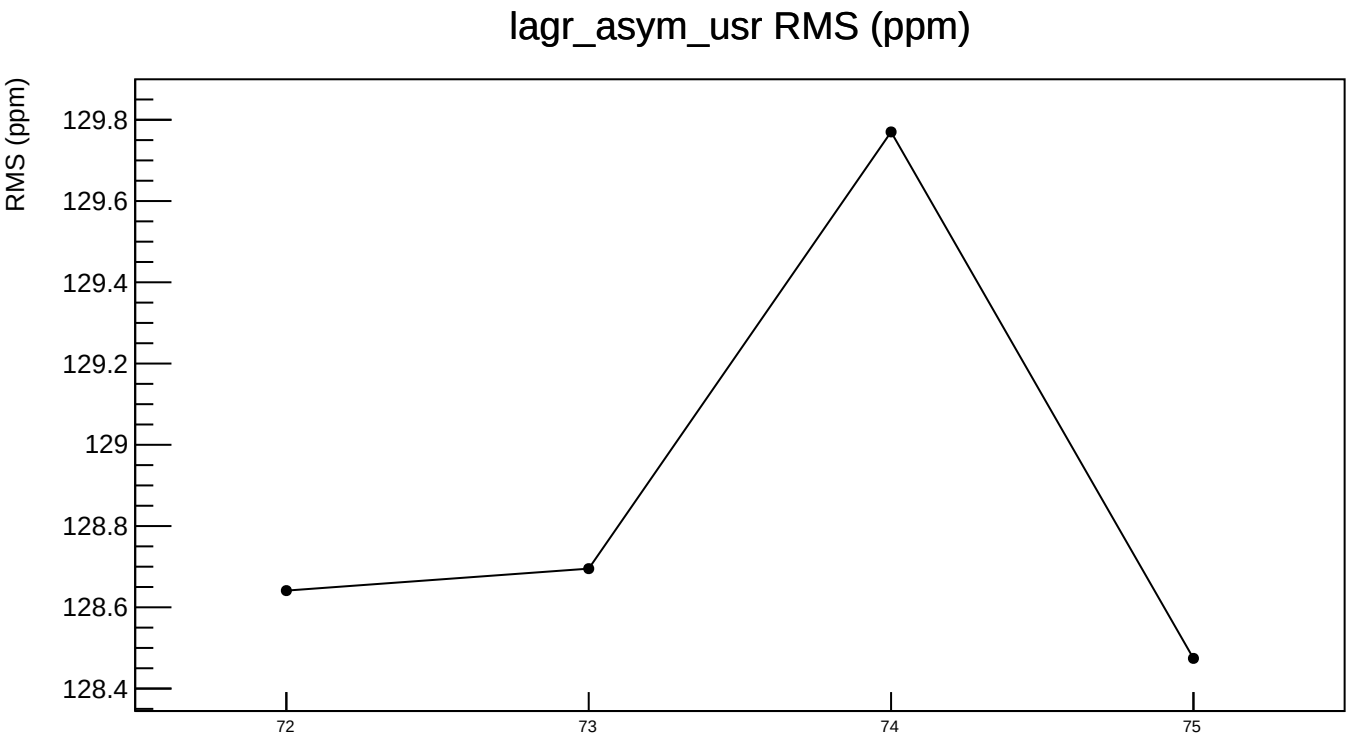

lagr_asym_us_dd (ppb)
χ² / ndf 2.214 / 3
p0 −72.8 ± 70.87
400
300
200
100
0
−100
−200
−300
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
72
73
74
75

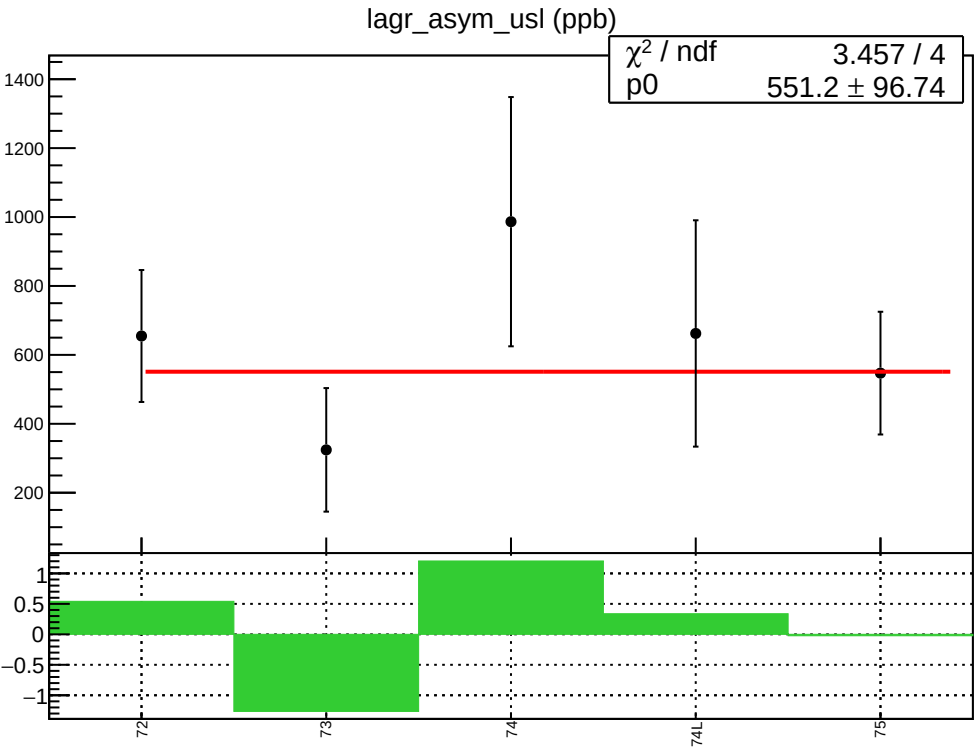

1D pull distribution
Mean 0.1345 ± 0.3659
Std Dev 0.7317 ± 0.2587
Underflow 0
Overflow 0
χ² / ndf 0.03929 / 0
Constant 460.5 ± 6451.8
Mean 2[illegible].47 ± 49.00
Sigma [illegible].855 ± 6.882
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

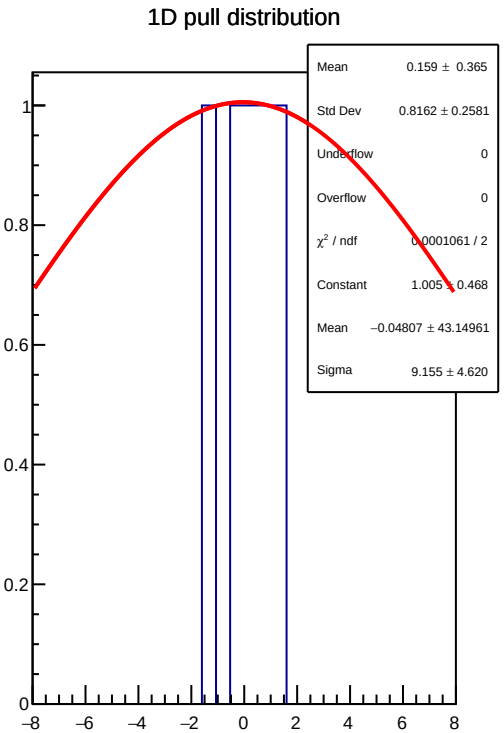

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
90.7
90.6
90.5
90.4
90.3
90.2
90.1
90
89.9
72
73
74
75


lagr_asym_usr (ppb)
χ² / ndf 1.436 / 3
p0 686.2 ± 101.7
1100
1000
900
800
700
600
500
400
300
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
72
73
74
75

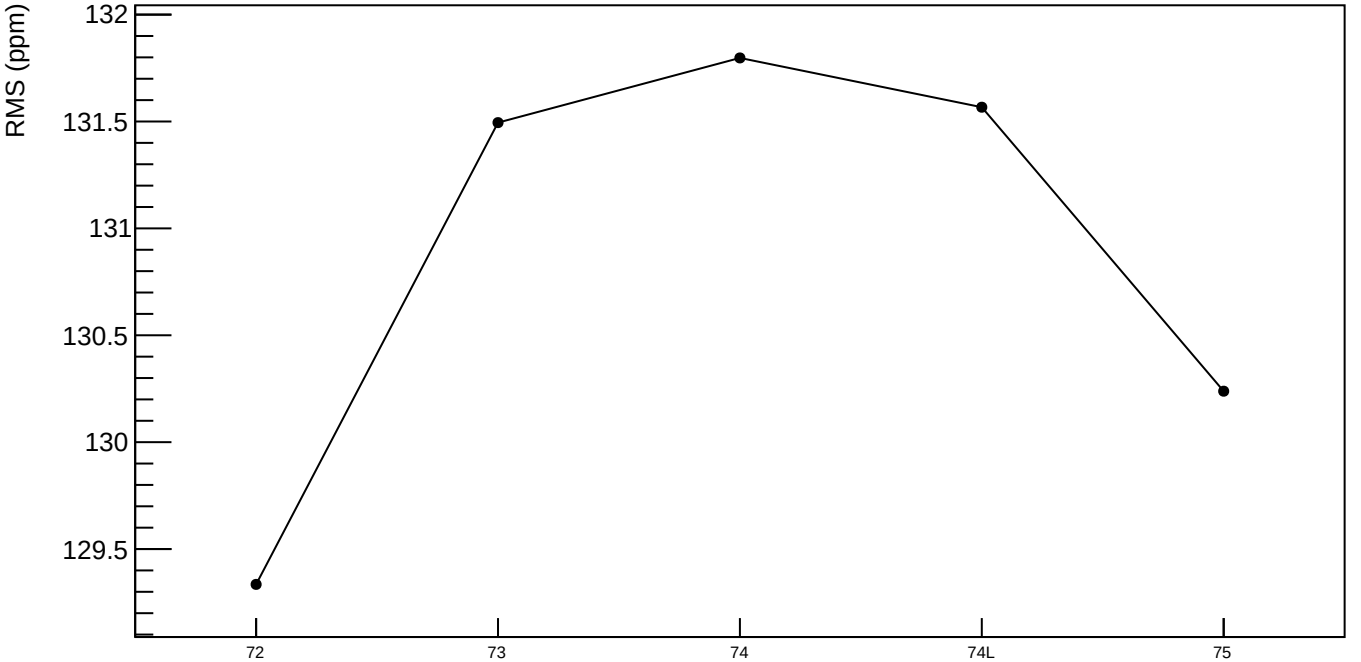

1D pull distribution
Mean −0.02339 ± 0.2993
Std Dev 0.5986 ± 0.2116
Underflow 0
Overflow 0
χ² / ndf 1.138e−08 / 0
Constant 3.442 ± 0.000
Mean 5.565e−17 ± 1.414e+00
Sigma 0.5088 ± 0.0000
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

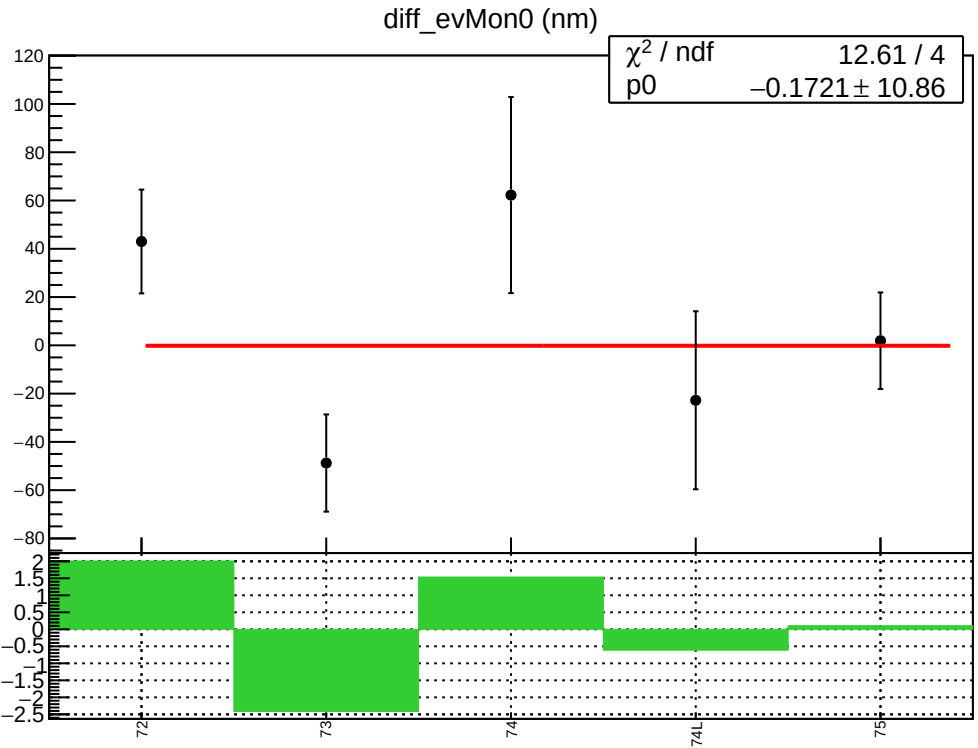

lagr_asym_usr RMS (ppm)
RMS (ppm)
129.8
129.6
129.4
129.2
129
128.8
128.6
128.4
72
73
74
75

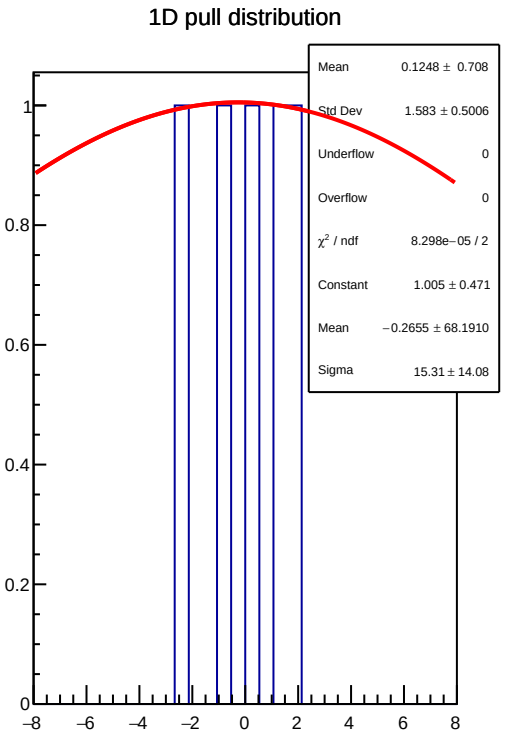

lagr_asym_usl (ppb)
χ² / ndf 3.457 / 4
p0 551.2 ± 96.74
1400
1200
1000
800
600
400
200
1
0.5
0
−0.5
−1
72
73
74
74L
75

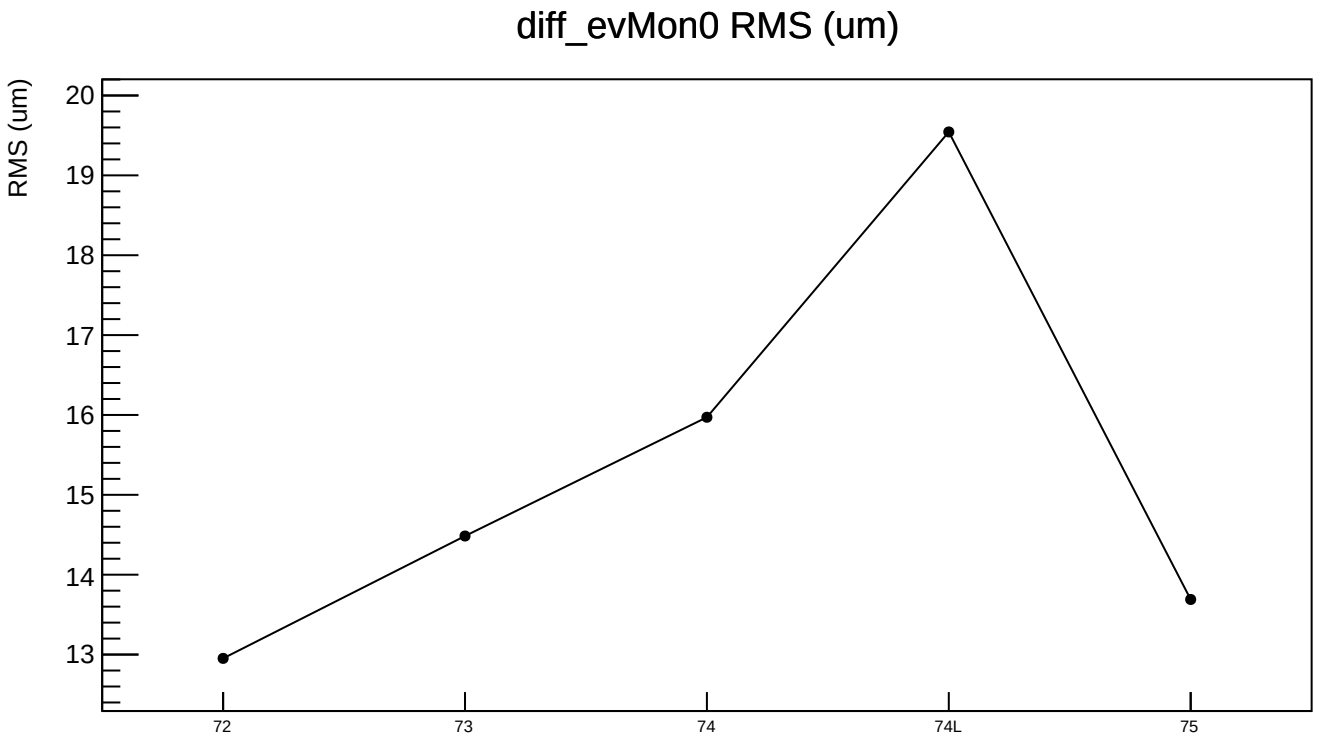

1D pull distribution
Mean 0.159 ± 0.365
Std Dev 0.8162 ± 0.2581
Underflow 0
Overflow 0
χ² / ndf 0.0001061 / 2
Constant 1.005 ± 0.468
Mean −0.04807 ± 43.14961
Sigma 9.155 ± 4.620
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

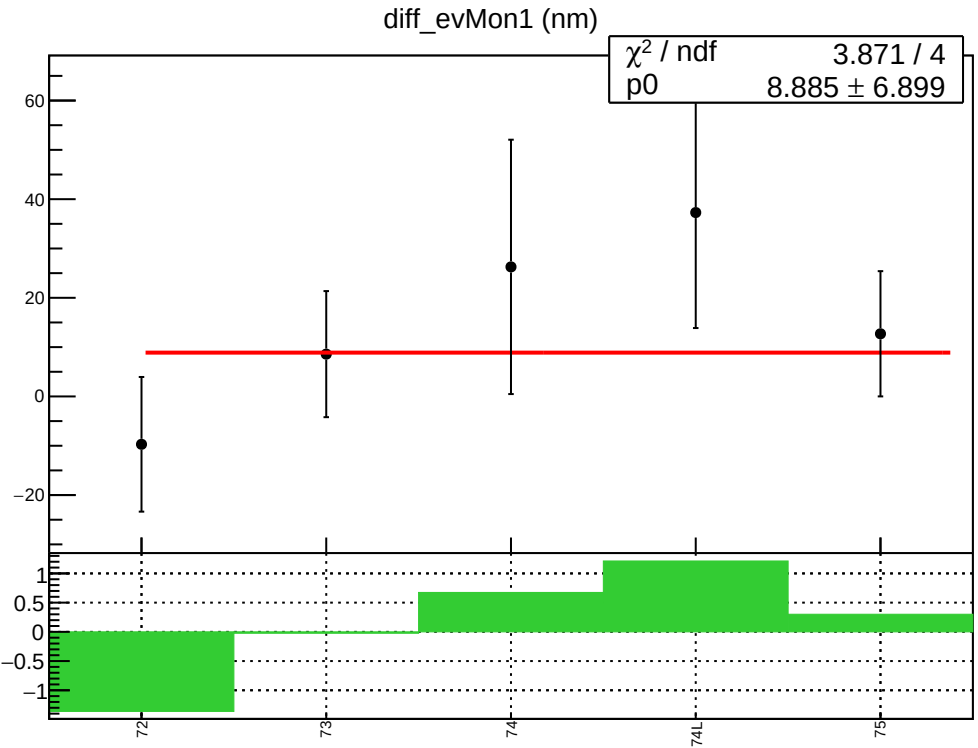
lagr_asym_usl RMS (ppm)

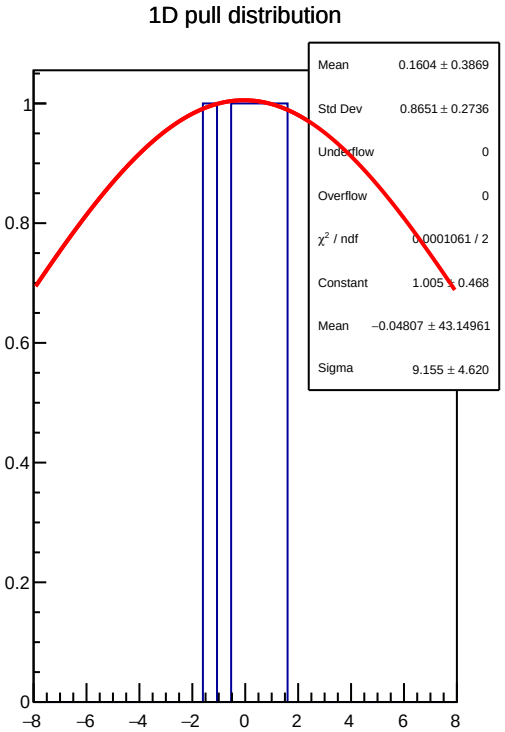


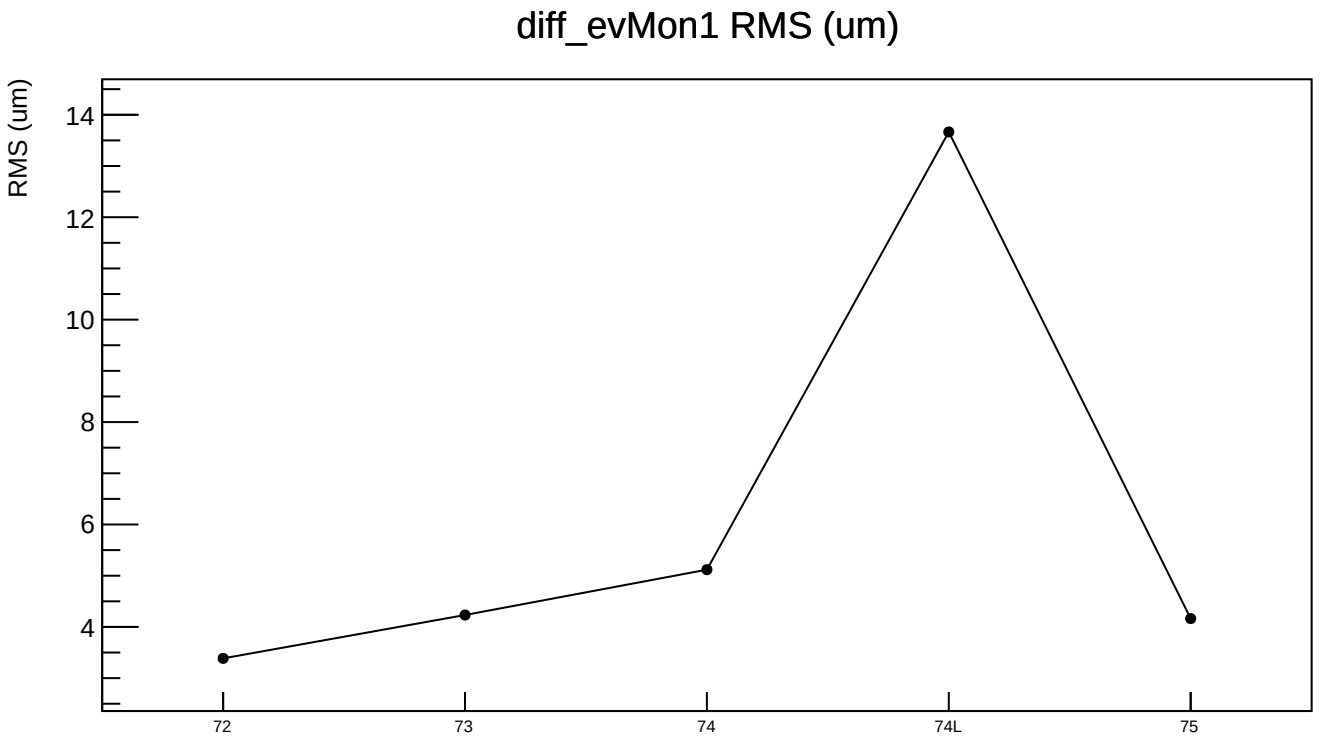

diff_evMon0 (nm)
χ² / ndf 12.61 / 4
p0 −0.1721 ± 10.86
120
100
80
60
40
20
0
−20
−40
−60
−80
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
72
73
74
74L
75

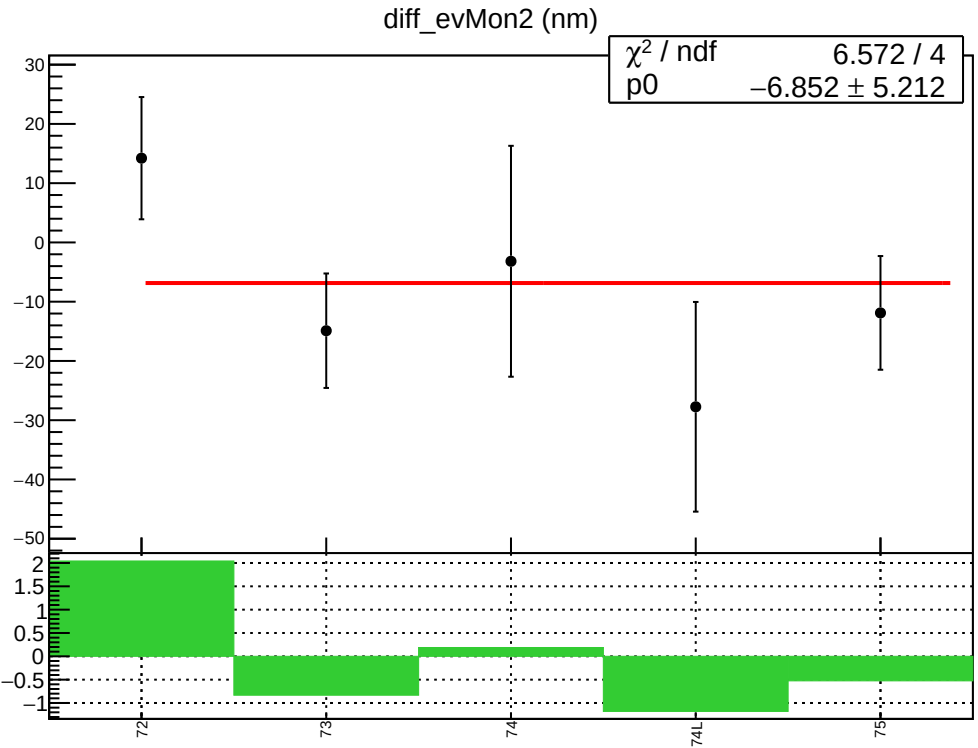

1D pull distribution
Mean 0.1248 ± 0.708
Std Dev 1.583 ± 0.5006
Underflow 0
Overflow 0
χ² / ndf 8.298e−05 / 2
Constant 1.005 ± 0.471
Mean −0.2655 ± 68.1910
Sigma 15.31 ± 14.08
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

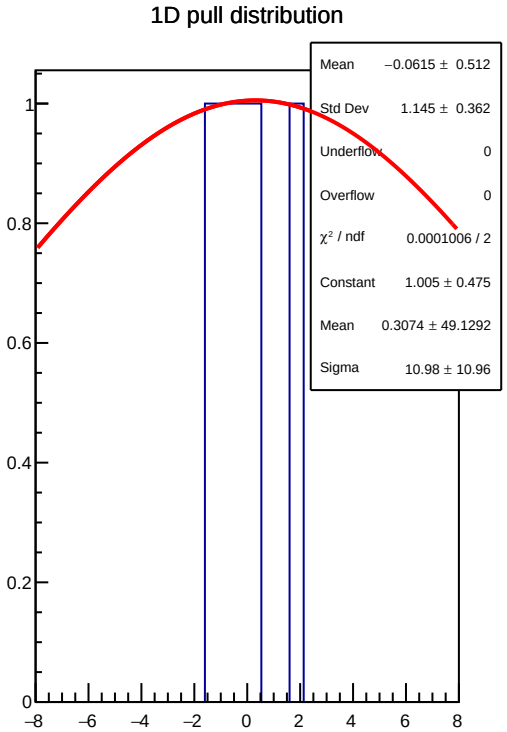

diff_evMon0 RMS (um)
RMS (um)
20
19
18
17
16
15
14
13
72
73
74
74L
75

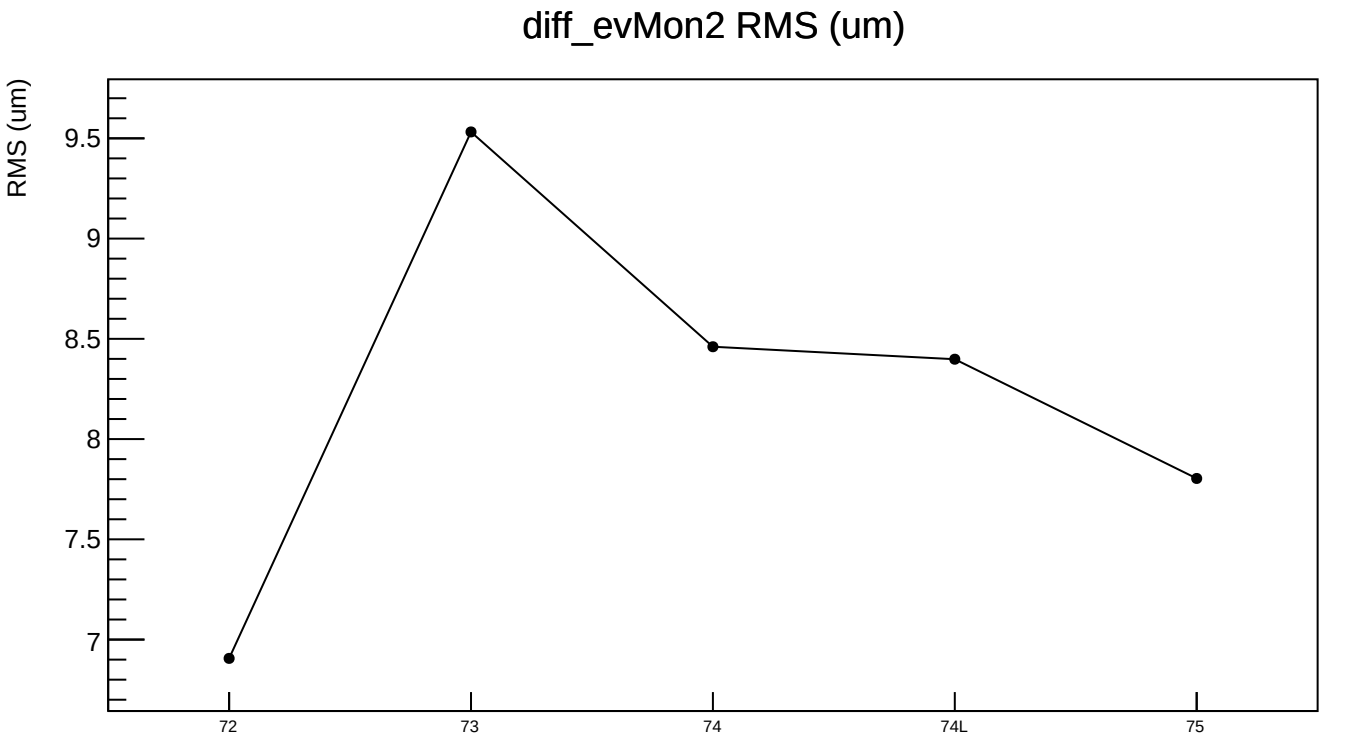

diff_evMon1 (nm)
χ² / ndf 3.871 / 4
p0 8.885 ± 6.899
60
40
20
0
−20
1
0.5
0
−0.5
−1
72
73
74
74L
75

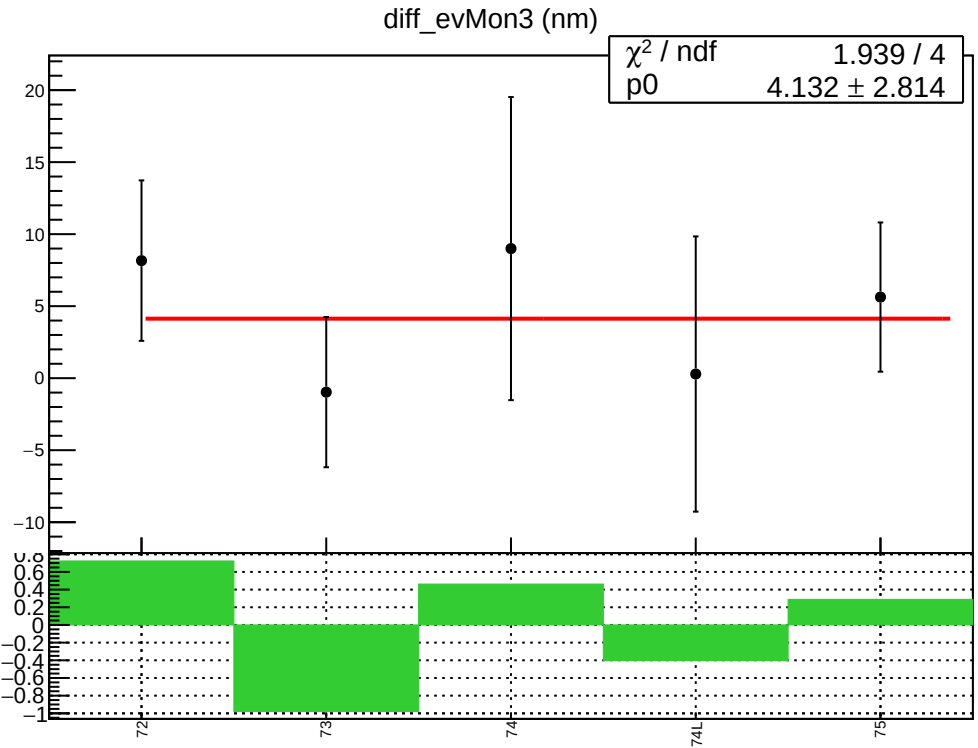

1D pull distribution
Mean 0.1604 ± 0.3869
Std Dev 0.8651 ± 0.2736
Underflow 0
Overflow 0
χ² / ndf 0.0001061 / 2
Constant 1.005 ± 0.468
Mean −0.04807 ± 43.14961
Sigma 9.155 ± 4.620
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

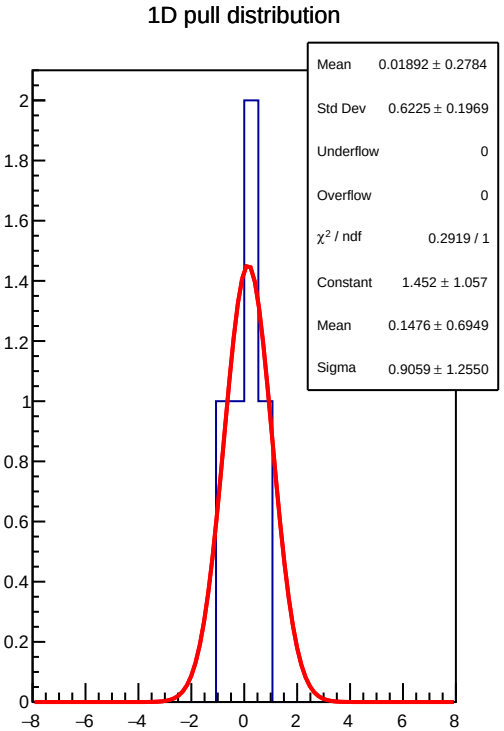

diff_evMon1 RMS (um)
RMS (um)
14
12
10
8
6
4
72
73
74
74L
75

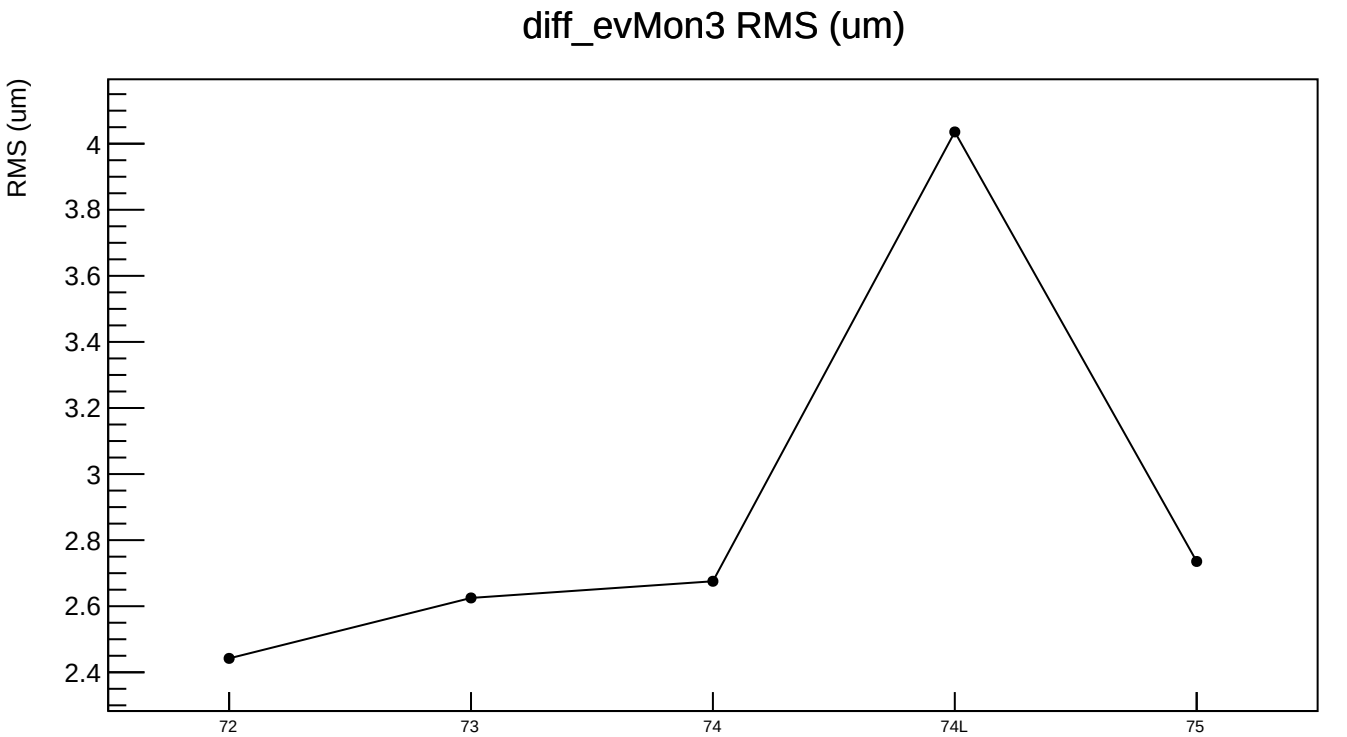

diff_evMon2 (nm)
χ² / ndf 6.572 / 4
p0 −6.852 ± 5.212
72
73
74
74L
75

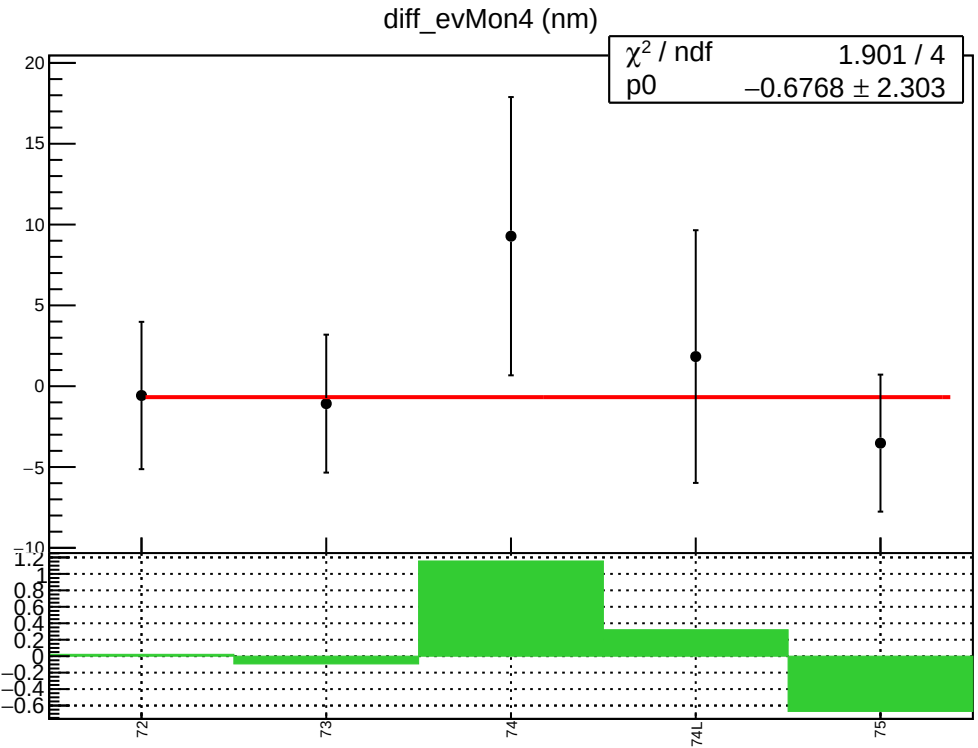

1D pull distribution
Mean −0.0615 ± 0.512
Std Dev 1.145 ± 0.362
Underflow 0
Overflow 0
χ² / ndf 0.0001006 / 2
Constant 1.005 ± 0.475
Mean 0.3074 ± 49.1292
Sigma 10.98 ± 10.96

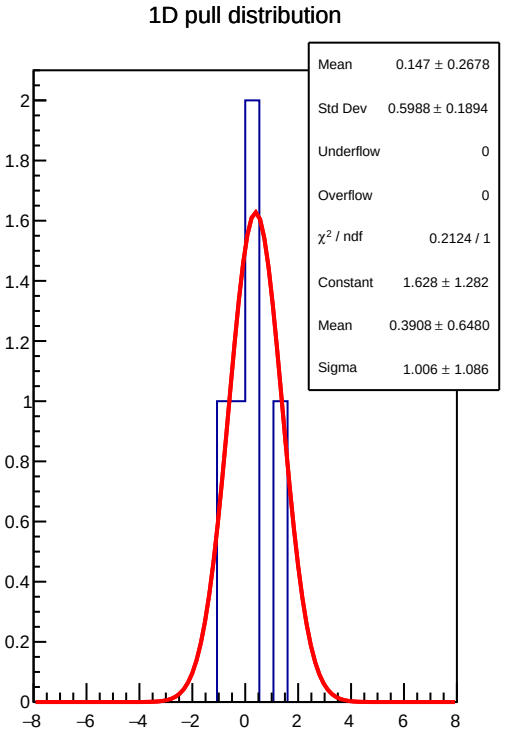

diff_evMon2 RMS (um)
RMS (um)
9.5
9
8.5
8
7.5
7
72
73
74
74L
75

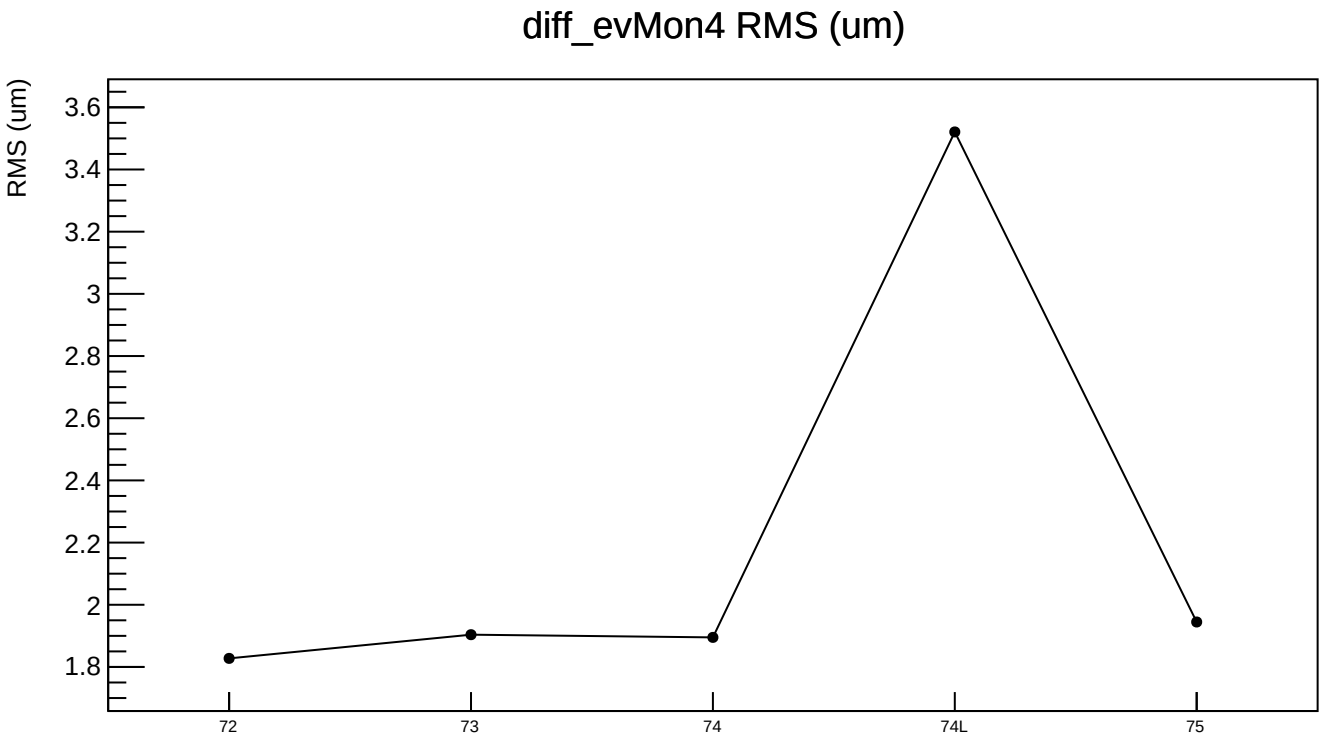

diff_evMon3 (nm)
χ² / ndf 1.939 / 4
p0 4.132 ± 2.814
72
73
74
74L
75

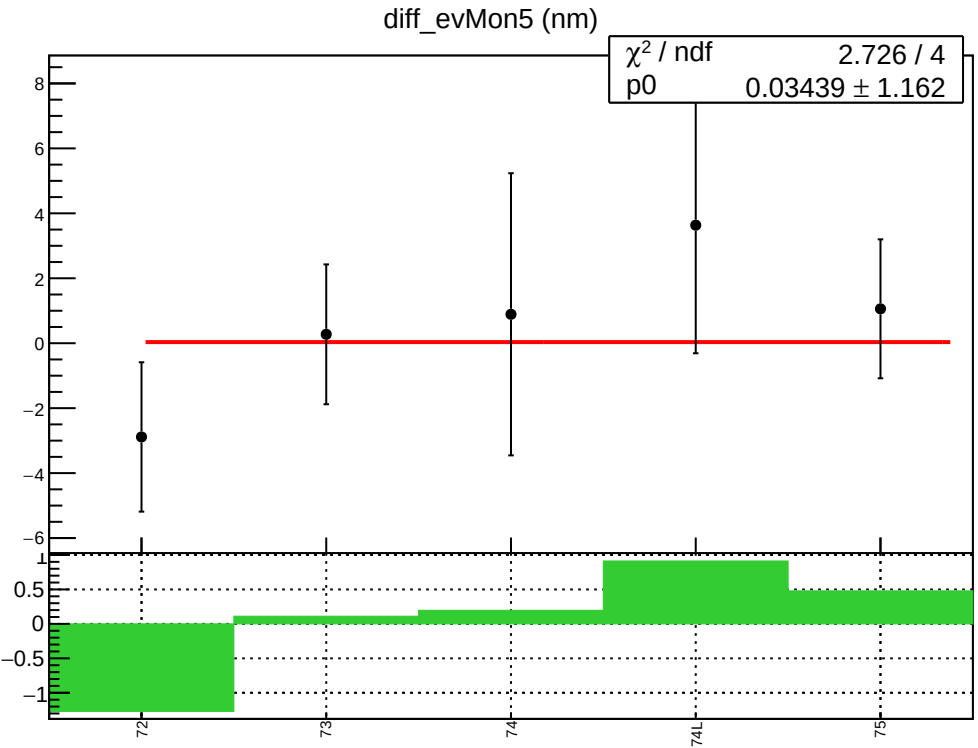

1D pull distribution
Mean 0.01892 ± 0.2784
Std Dev 0.6225 ± 0.1969
Underflow 0
Overflow 0
χ² / ndf 0.2919 / 1
Constant 1.452 ± 1.057
Mean 0.1476 ± 0.6949
Sigma 0.9059 ± 1.2550

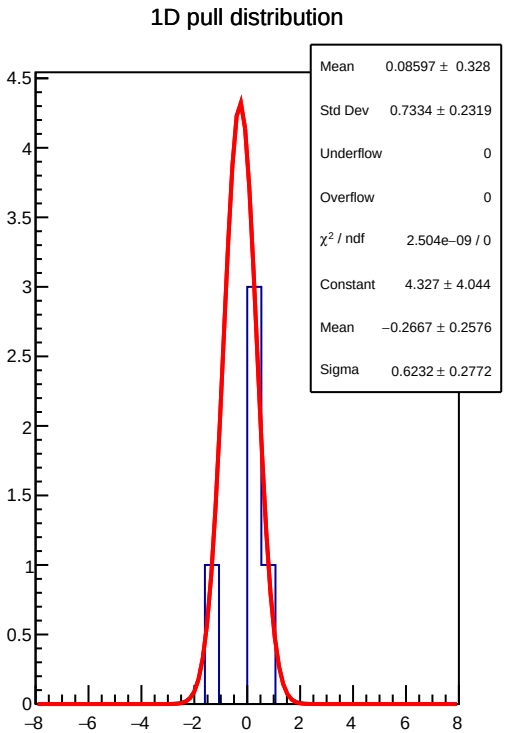

diff_evMon3 RMS (um)
RMS (um)
4
3.8
3.6
3.4
3.2
3
2.8
2.6
2.4
72
73
74
74L
75


diff_evMon4 (nm)
χ² / ndf 1.901 / 4
p0 −0.6768 ± 2.303
72
73
74
74L
75

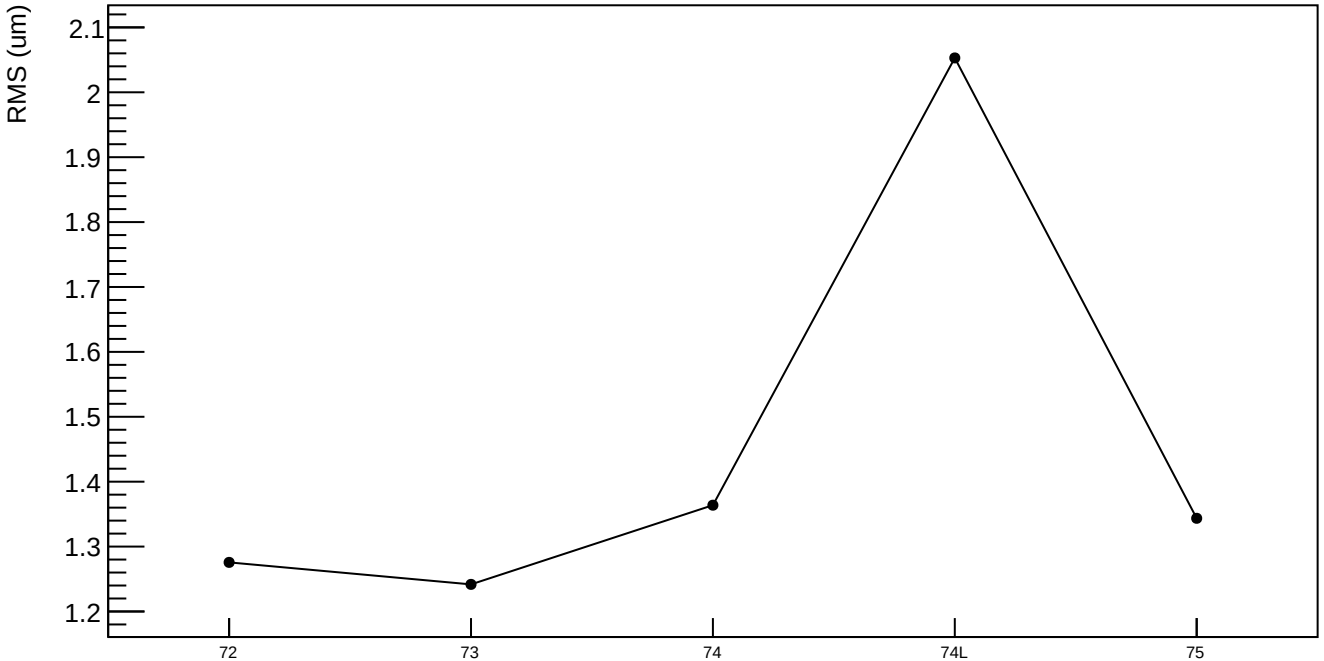

1D pull distribution
Mean 0.147 ± 0.2678
Std Dev 0.5988 ± 0.1894
Underflow 0
Overflow 0
χ² / ndf 0.2124 / 1
Constant 1.628 ± 1.282
Mean 0.3908 ± 0.6480
Sigma 1.006 ± 1.086

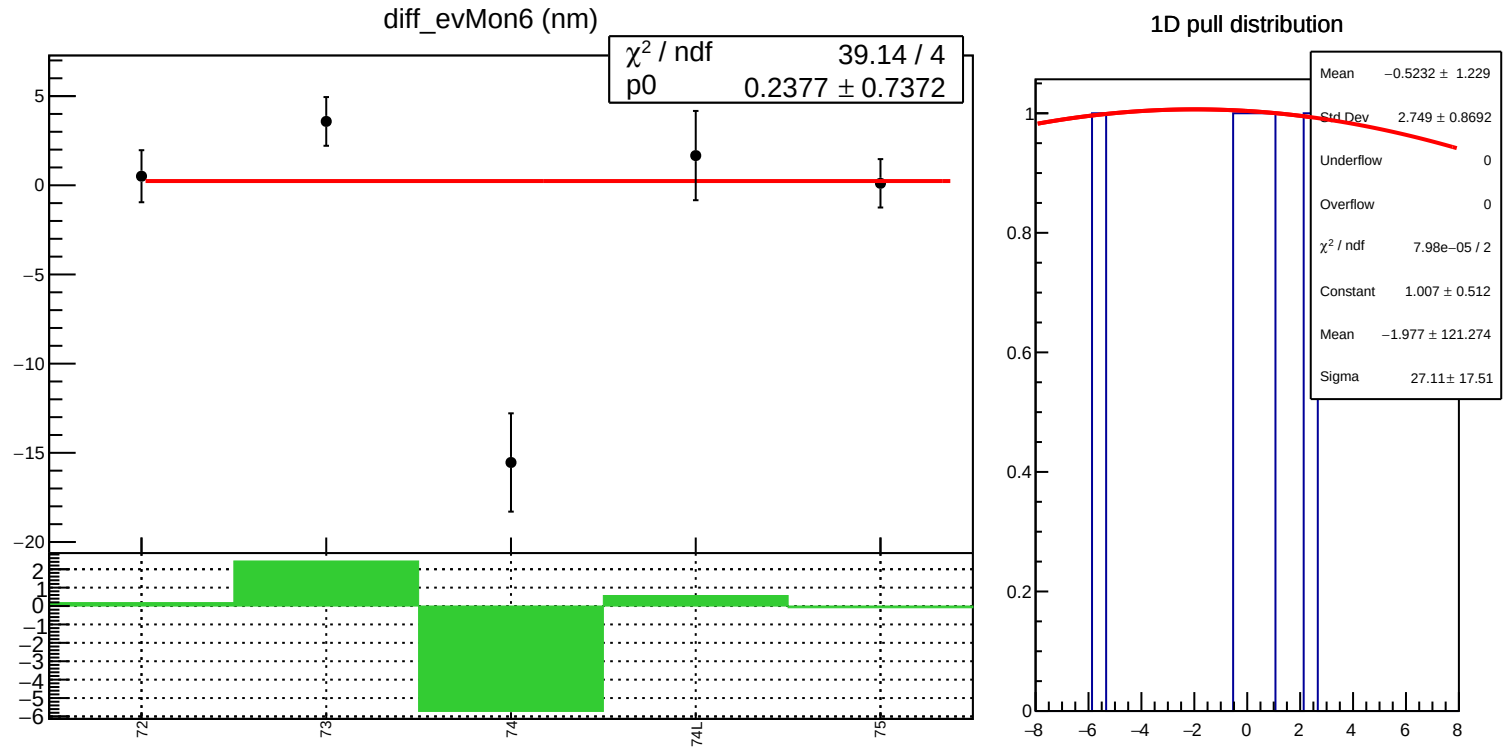

diff_evMon4 RMS (um)
RMS (um)
3.6
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
72
73
74
74L
75

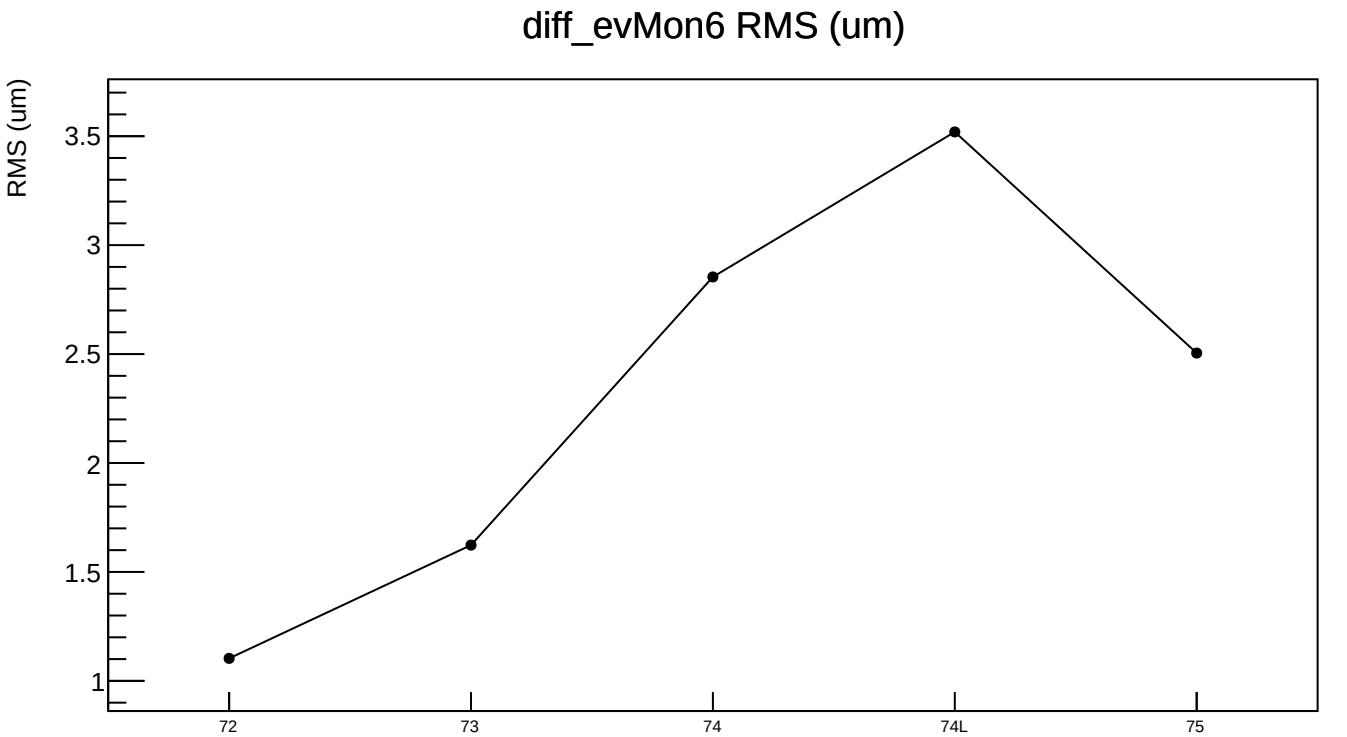

diff_evMon5 (nm)
χ² / ndf 2.726 / 4
p0 0.03439 ± 1.162
72
73
74
74L
75

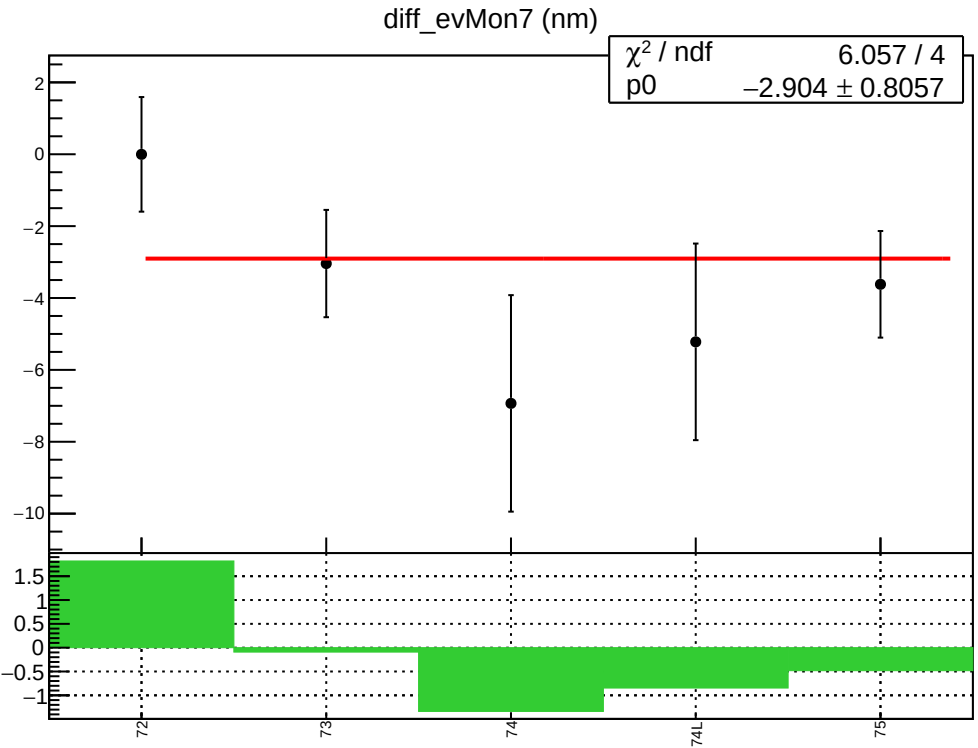

1D pull distribution
Mean 0.08597 ± 0.328
Std Dev 0.7334 ± 0.2319
Underflow 0
Overflow 0
χ² / ndf 2.504e−09 / 0
Constant 4.327 ± 4.044
Mean −0.2667 ± 0.2576
Sigma 0.6232 ± 0.2772

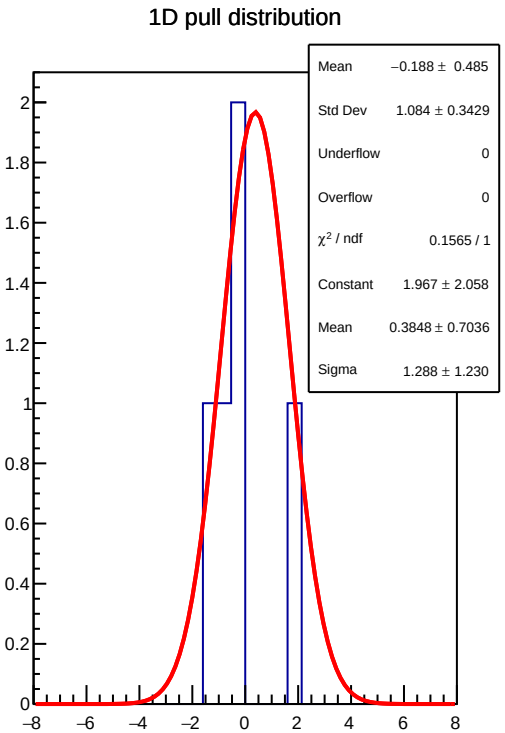
diff_evMon5 RMS (um)

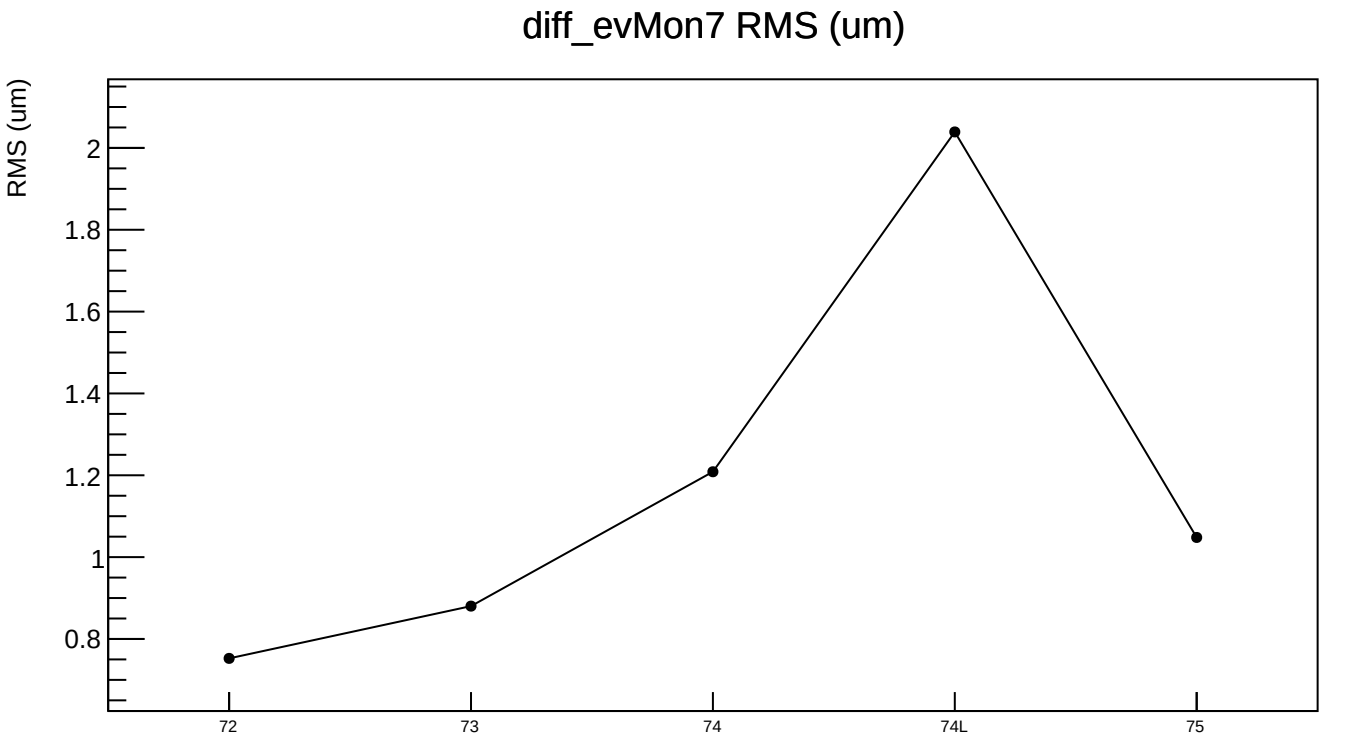


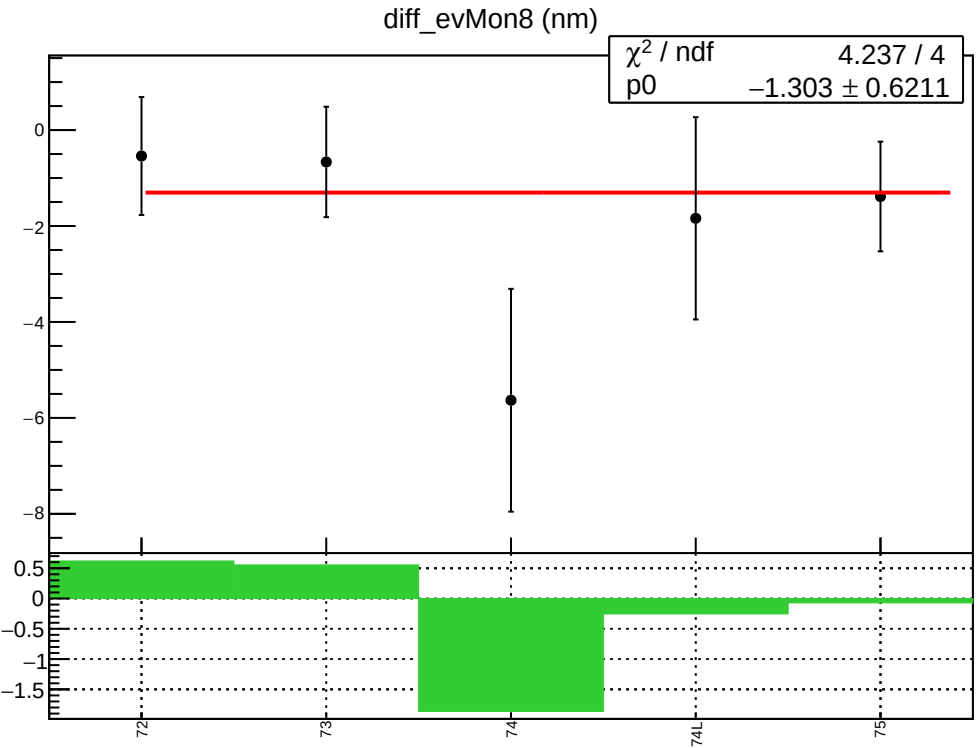

diff_evMon6 (nm)
χ² / ndf 39.14 / 4
p0 0.2377 ± 0.7372
5
0
−5
−10
−15
−20
2
1
0
−1
−2
−3
−4
−5
−6
72
73
74
74L
75
1D pull distribution
Mean −0.5232 ± 1.229
Std Dev 2.749 ± 0.8692
Underflow 0
Overflow 0
χ² / ndf 7.98e−05 / 2
Constant 1.007 ± 0.512
Mean −1.977 ± 121.274
Sigma 27.11± 17.51
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

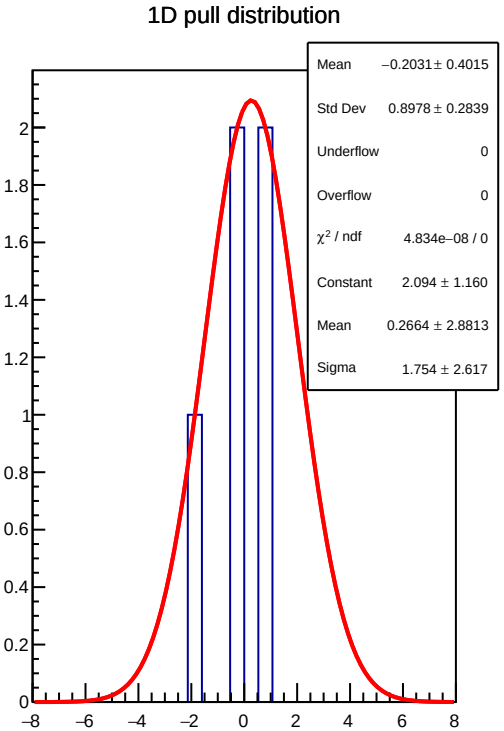

diff_evMon6 RMS (um)
RMS (um)
3.5
3
2.5
2
1.5
1
72
73
74
74L
75

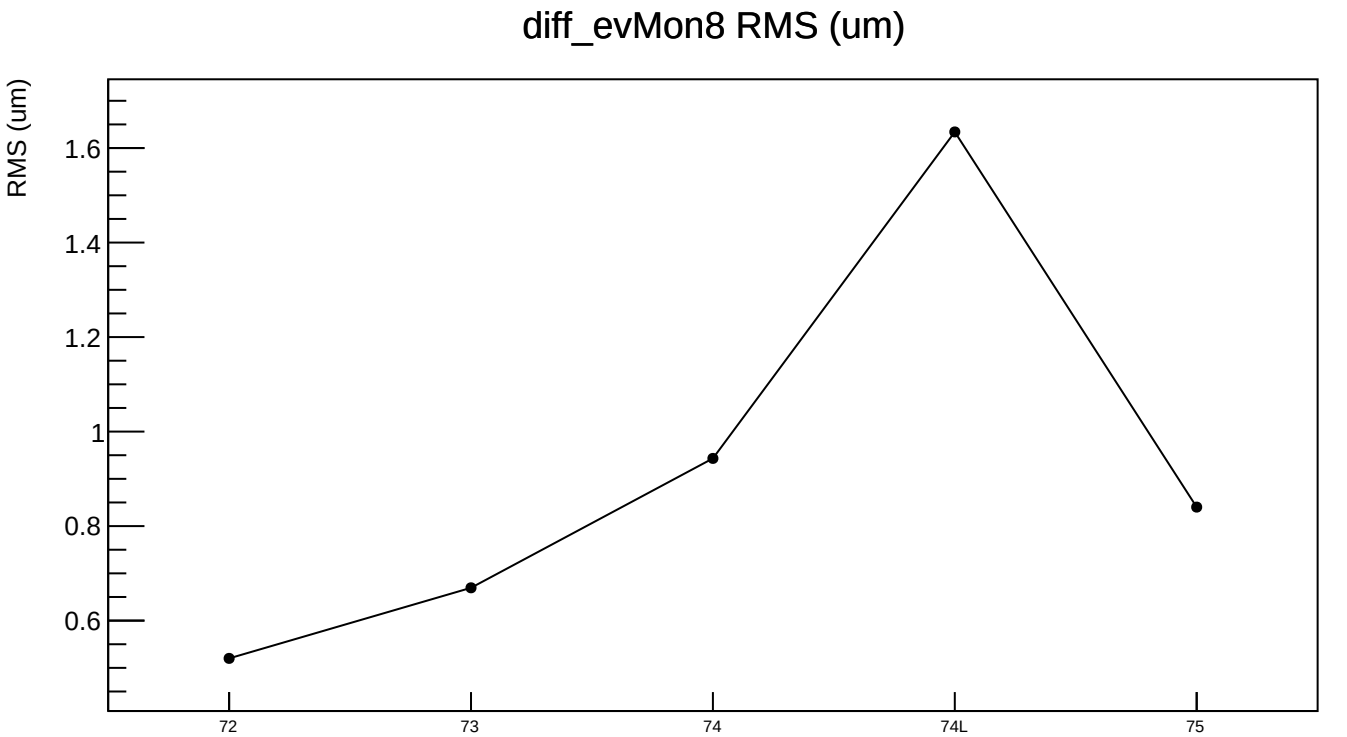

diff_evMon7 (nm)
χ² / ndf 6.057 / 4
p0 −2.904 ± 0.8057
72
73
74
74L
75

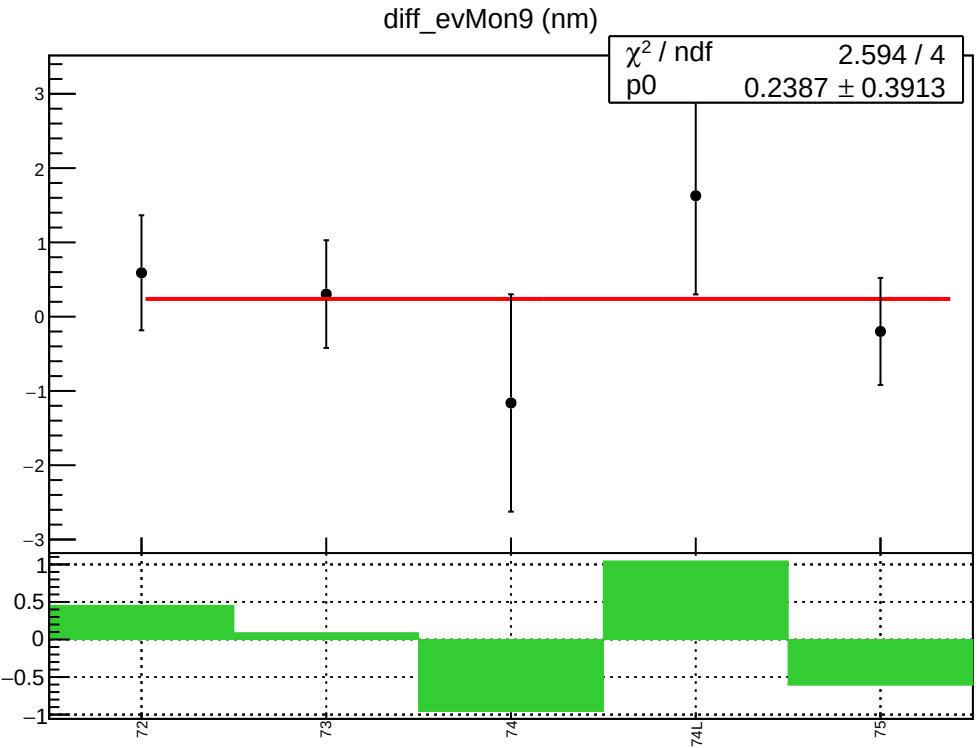

1D pull distribution
Mean −0.188 ± 0.485
Std Dev 1.084 ± 0.3429
Underflow 0
Overflow 0
χ² / ndf 0.1565 / 1
Constant 1.967 ± 2.058
Mean 0.3848 ± 0.7036
Sigma 1.288 ± 1.230

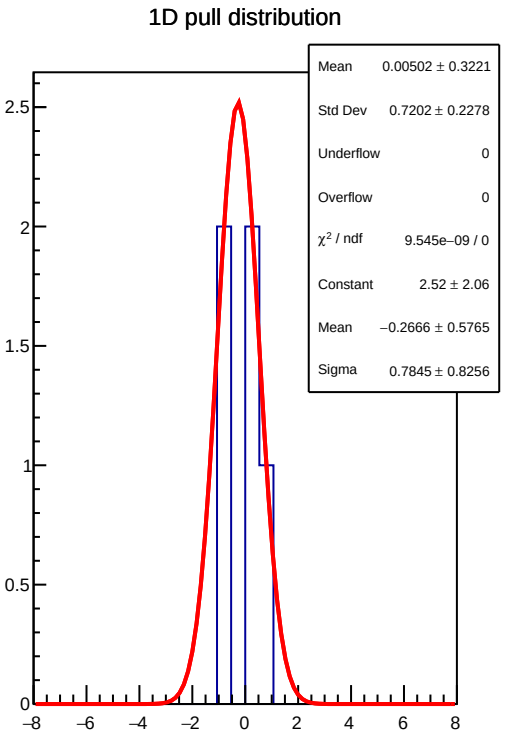

diff_evMon7 RMS (um)
RMS (um)
2
1.8
1.6
1.4
1.2
1
0.8
72
73
74
74L
75

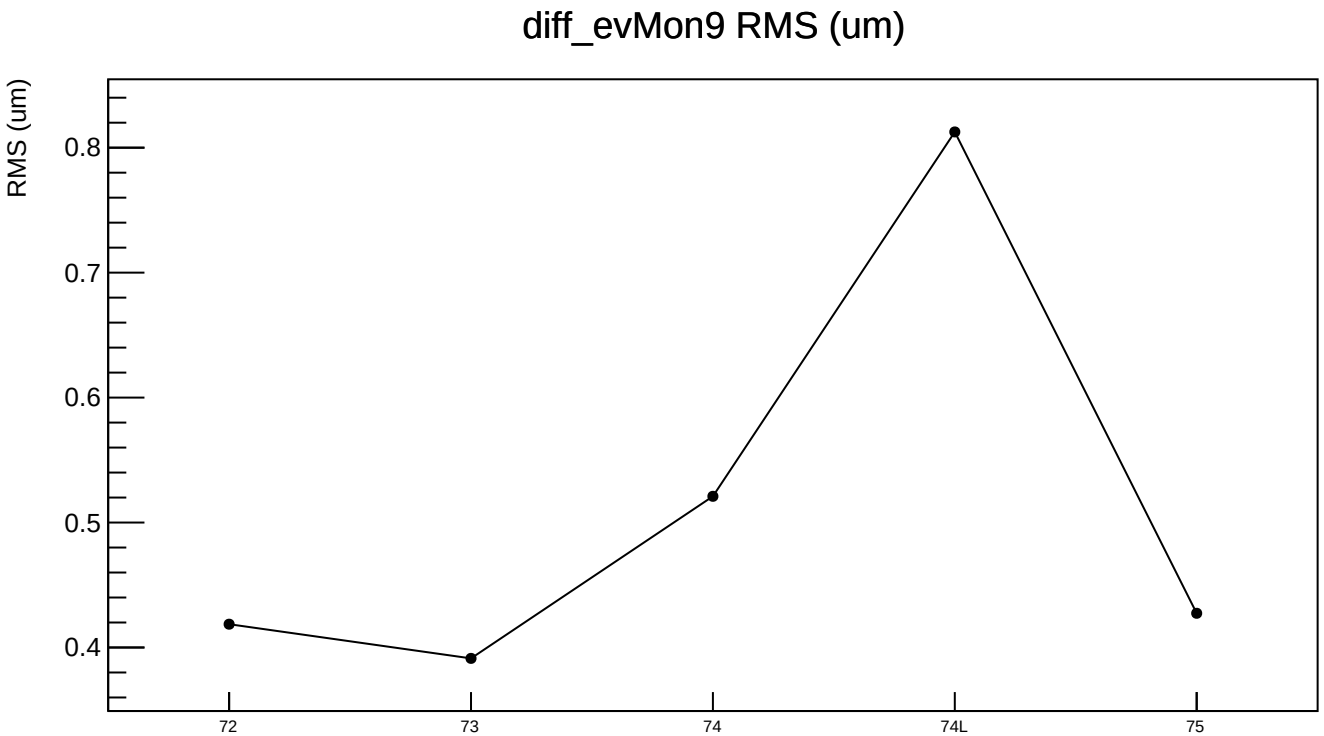

diff_evMon8 (nm)
χ² / ndf 4.237 / 4
p0 −1.303 ± 0.6211
0
−2
−4
−6
−8
0.5
0
−0.5
−1
−1.5
72
73
74
74L
75

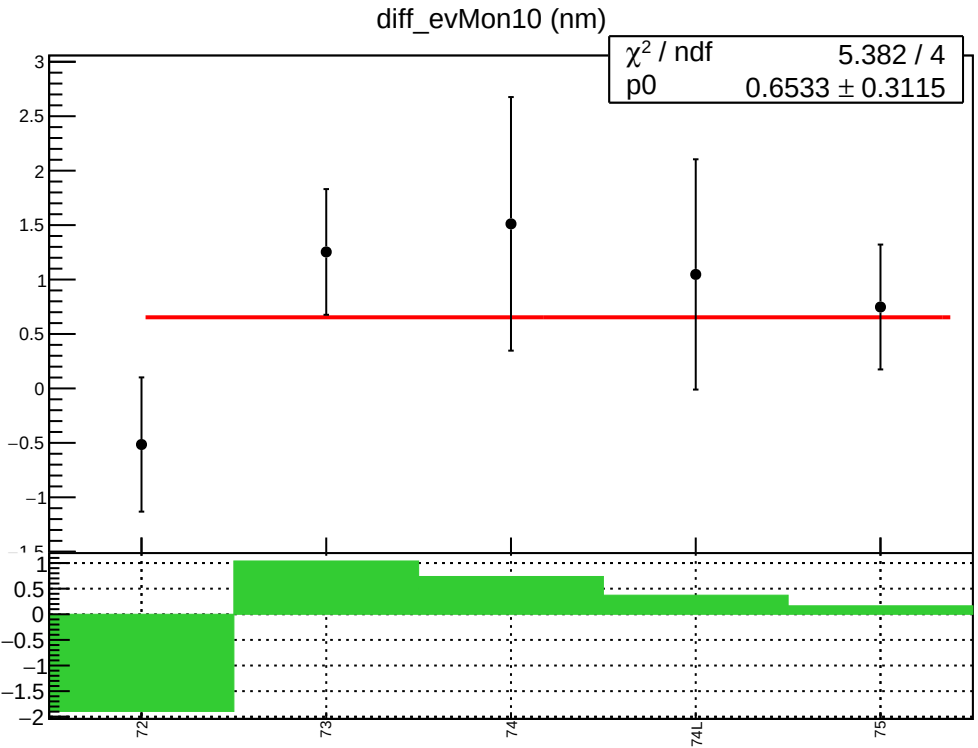

1D pull distribution
Mean −0.2031 ± 0.4015
Std Dev 0.8978 ± 0.2839
Underflow 0
Overflow 0
χ² / ndf 4.834e−08 / 0
Constant 2.094 ± 1.160
Mean 0.2664 ± 2.8813
Sigma 1.754 ± 2.617
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

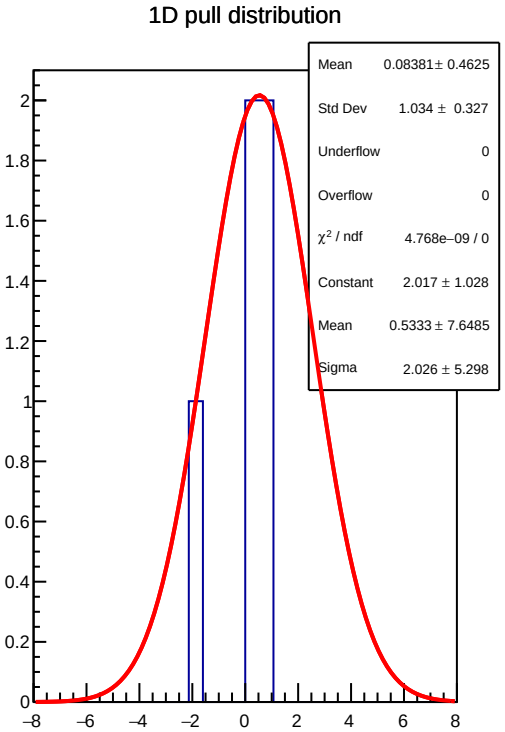

diff_evMon8 RMS (um)
RMS (um)
1.6
1.4
1.2
1
0.8
0.6
72
73
74
74L
75

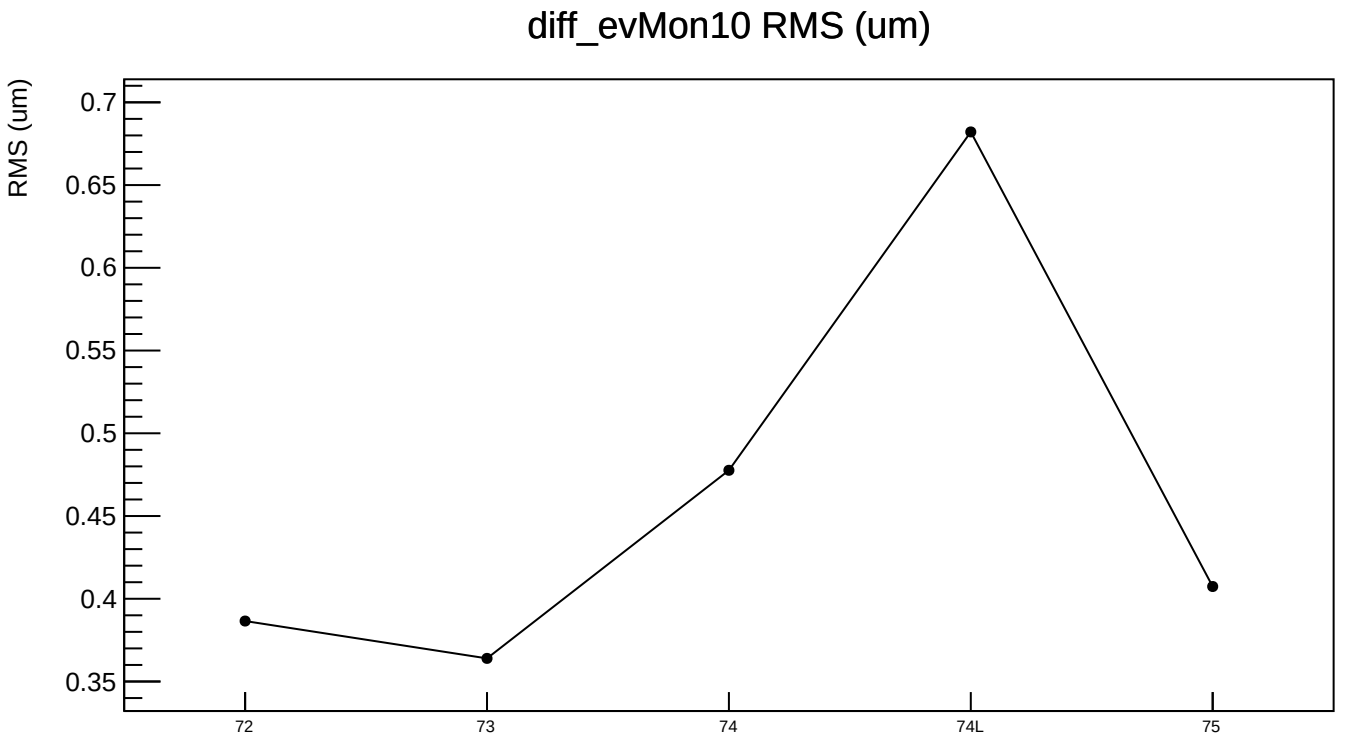

diff_evMon9 (nm)
χ² / ndf 2.594 / 4
p0 0.2387 ± 0.3913
72
73
74
74L
75

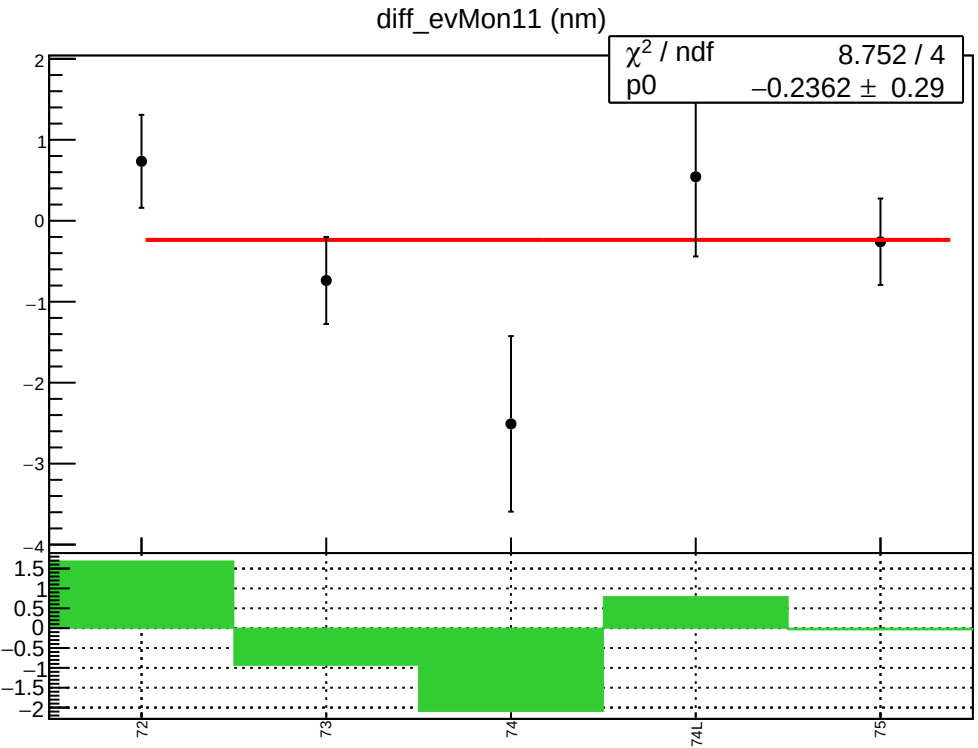

1D pull distribution
Mean 0.00502 ± 0.3221
Std Dev 0.7202 ± 0.2278
Underflow 0
Overflow 0
χ² / ndf 9.545e−09 / 0
Constant 2.52 ± 2.06
Mean −0.2666 ± 0.5765
Sigma 0.7845 ± 0.8256

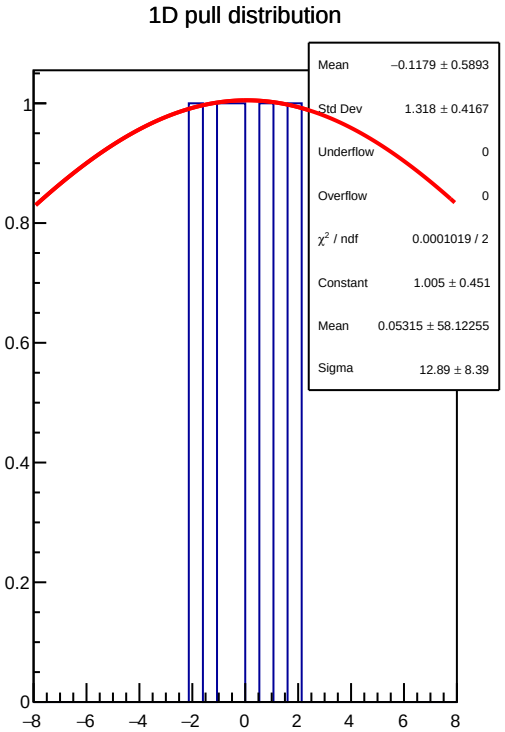

diff_evMon9 RMS (um)
RMS (um)
0.8
0.7
0.6
0.5
0.4
72
73
74
74L
75


diff_evMon10 (nm)
χ² / ndf 5.382 / 4
p0 0.6533 ± 0.3115
72
73
74
74L
75

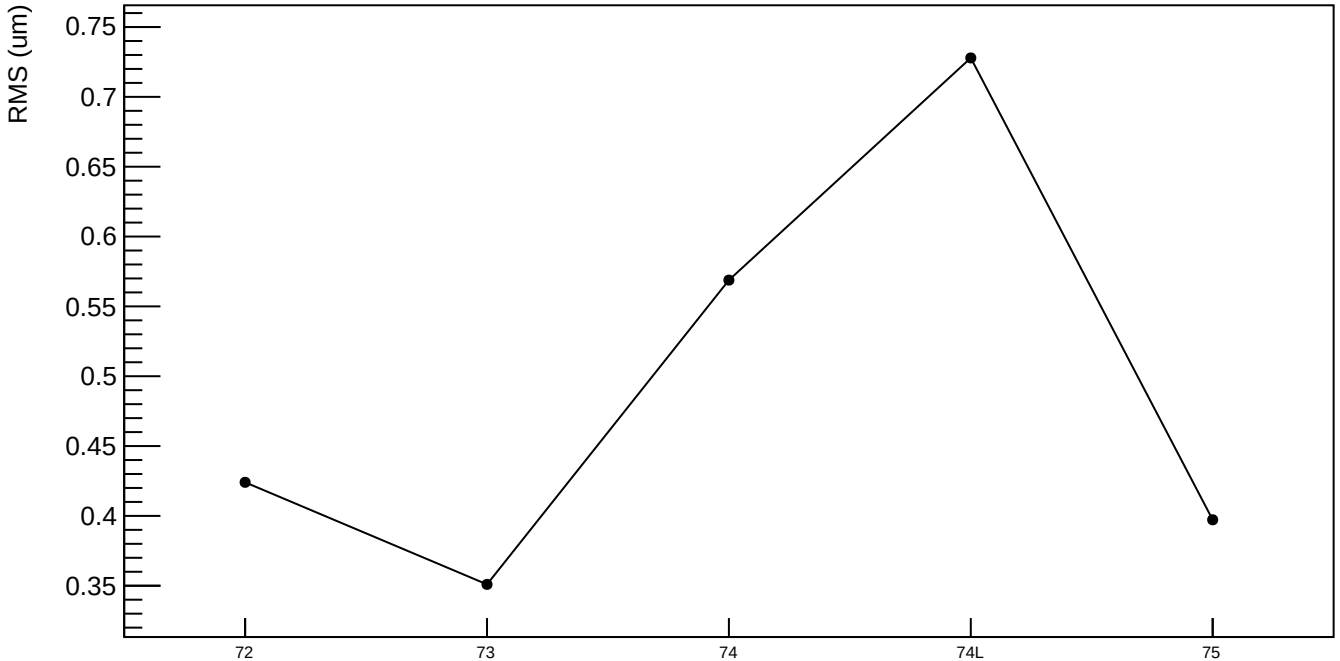

1D pull distribution
Mean 0.08381± 0.4625
Std Dev 1.034 ± 0.327
Underflow 0
Overflow 0
χ² / ndf 4.768e−09 / 0
Constant 2.017 ± 1.028
Mean 0.5333 ± 7.6485
Sigma 2.026 ± 5.298

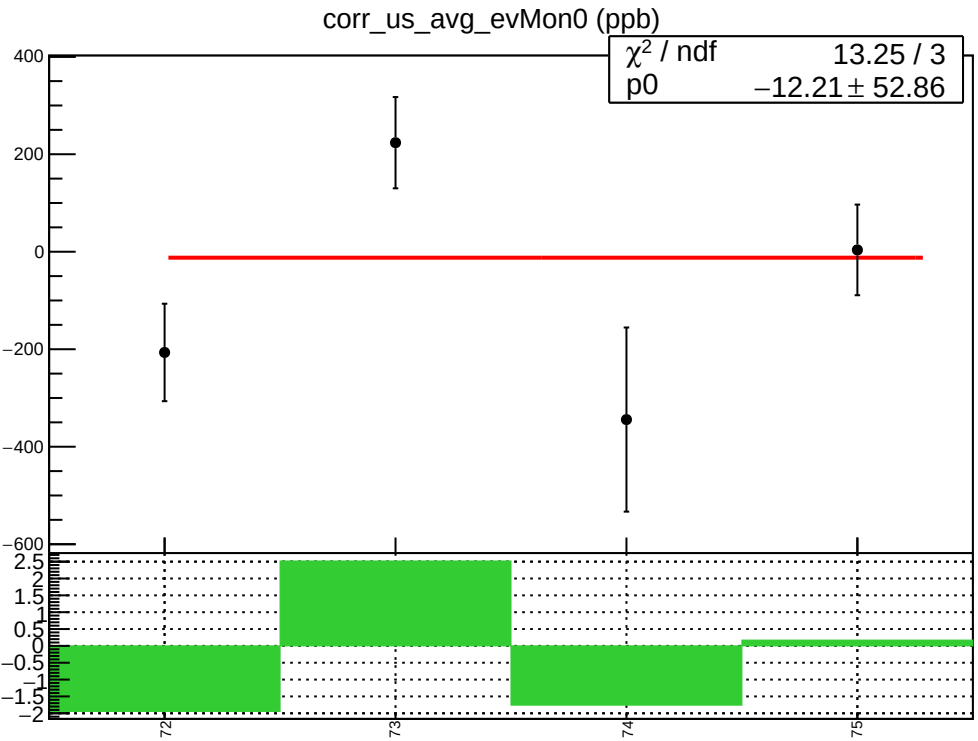

diff_evMon10 RMS (um)
RMS (um)
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
72
73
74
74L
75

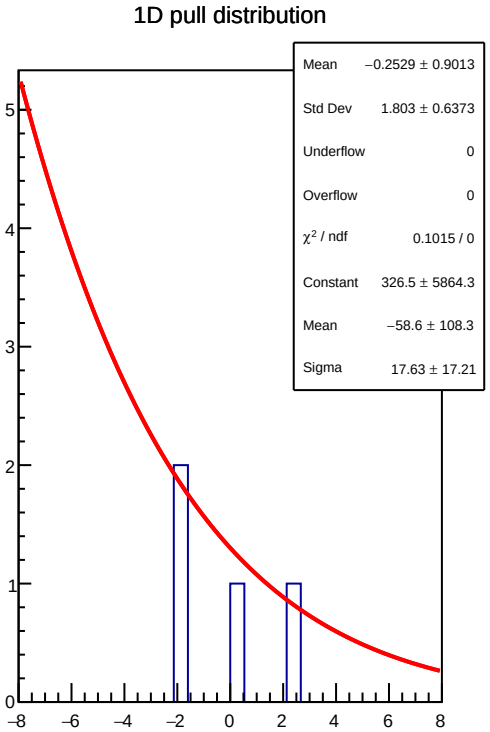

diff_evMon11 (nm)
χ² / ndf 8.752 / 4
p0 −0.2362 ± 0.29
72
73
74
74L
75

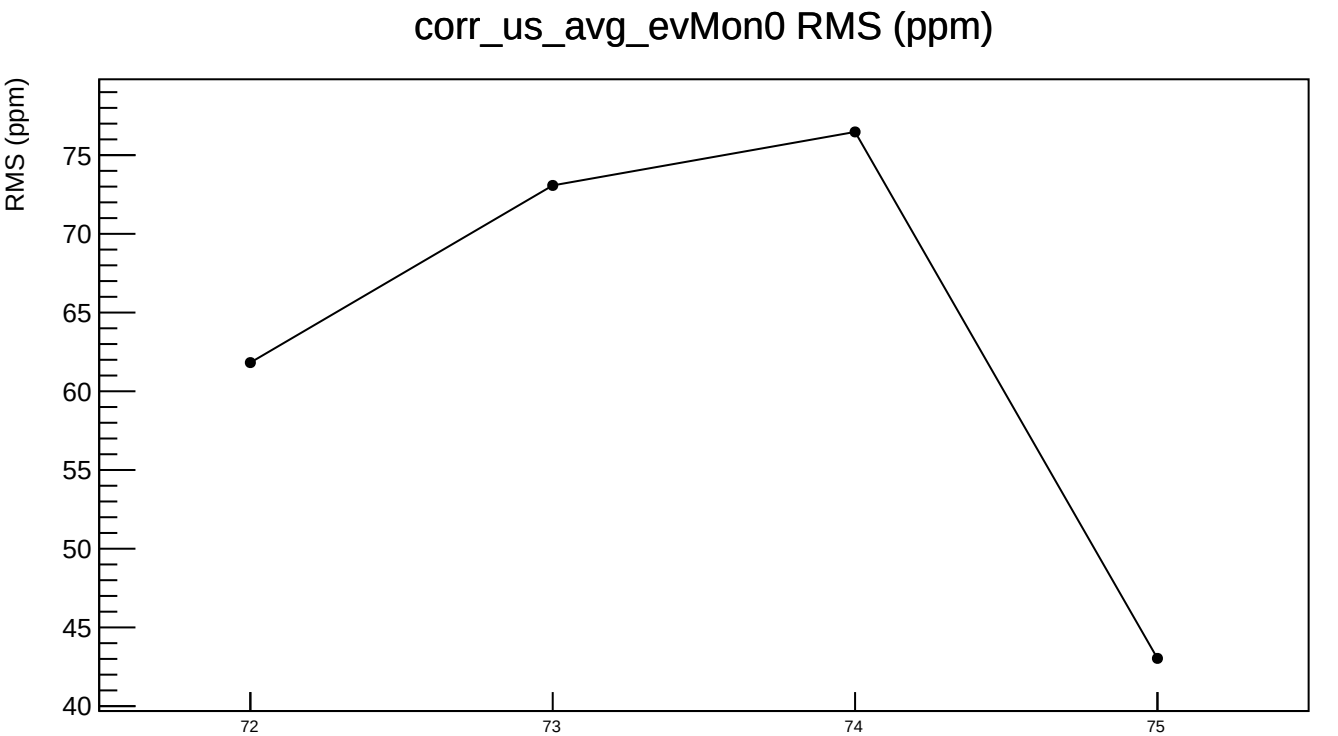

1D pull distribution
Mean −0.1179 ± 0.5893
Std Dev 1.318 ± 0.4167
Underflow 0
Overflow 0
χ² / ndf 0.0001019 / 2
Constant 1.005 ± 0.451
Mean 0.05315 ± 58.12255
Sigma 12.89 ± 8.39

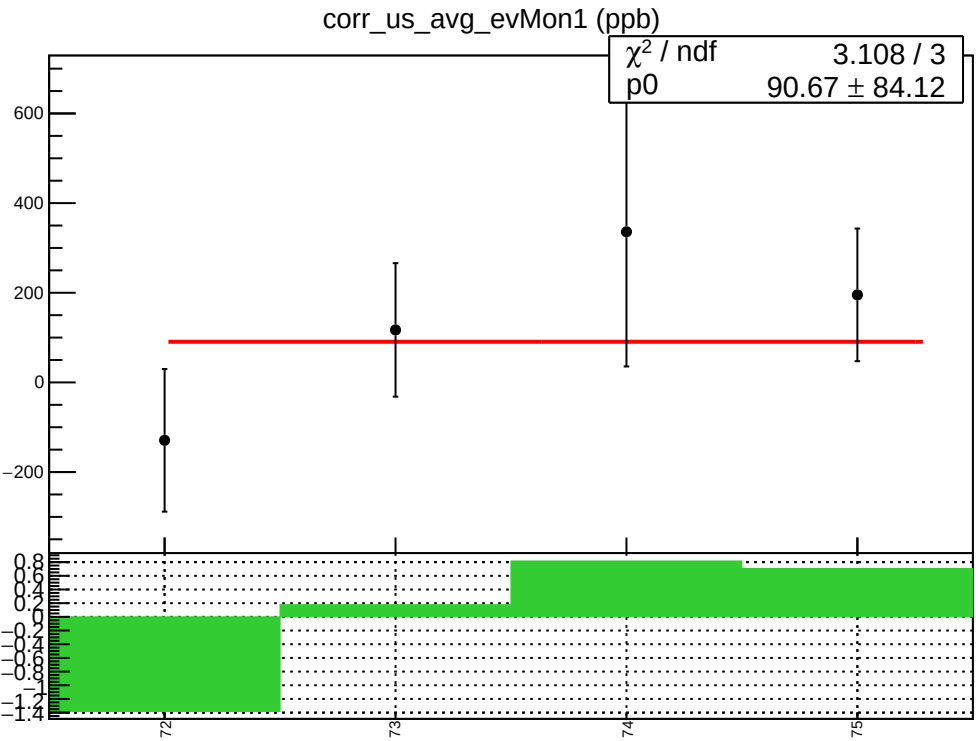
diff_evMon11 RMS (um)

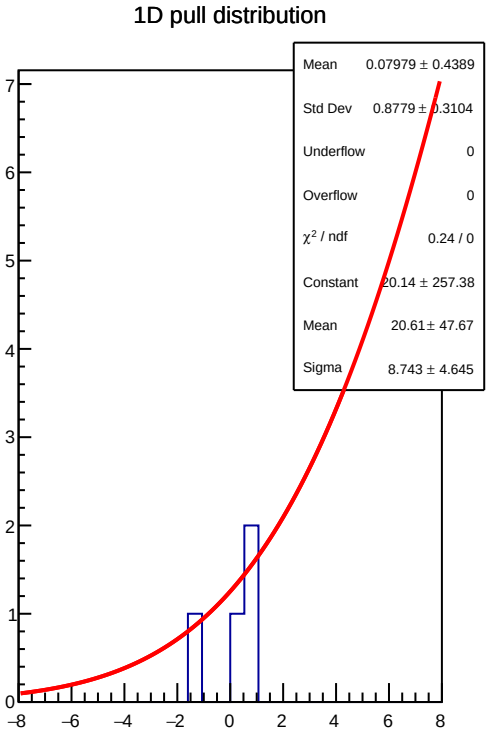



corr_us_avg_evMon0 (ppb)
χ² / ndf 13.25 / 3
p0 −12.21 ± 52.86
400
200
0
−200
−400
−600
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
72
73
74
75

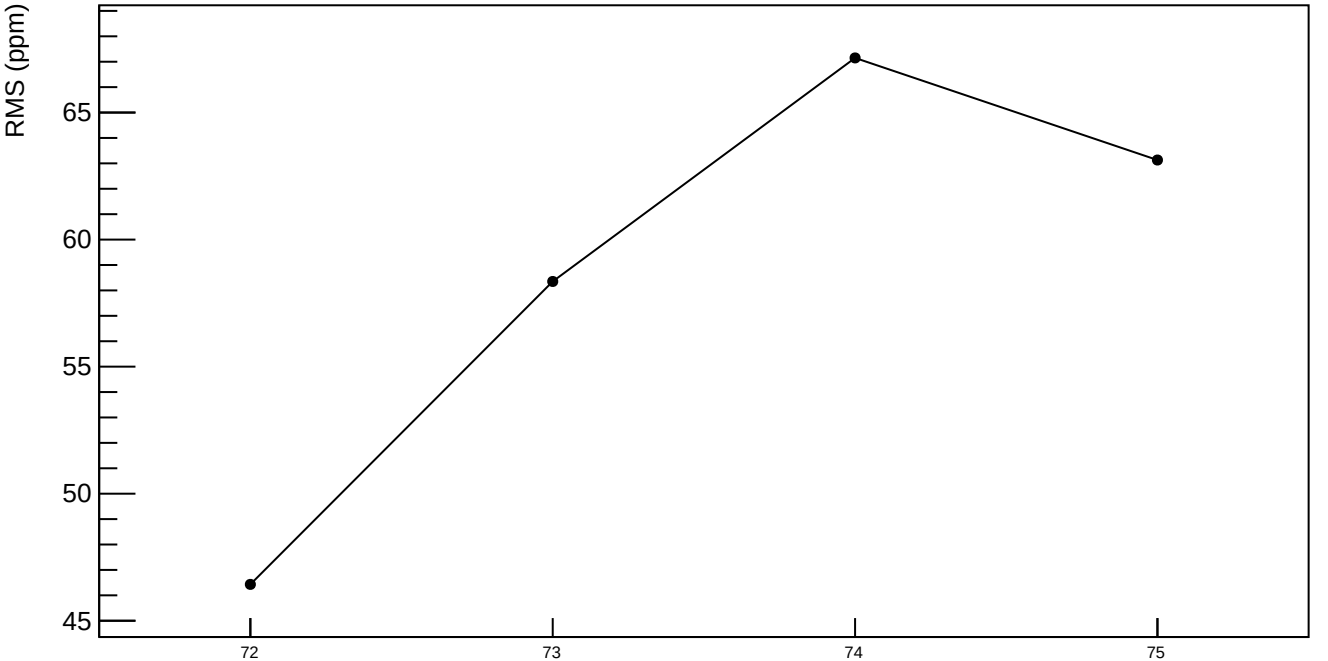

1D pull distribution
Mean −0.2529 ± 0.9013
Std Dev 1.803 ± 0.6373
Underflow 0
Overflow 0
χ² / ndf 0.1015 / 0
Constant 326.5 ± 5864.3
Mean −58.6 ± 108.3
Sigma 17.63 ± 17.21
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

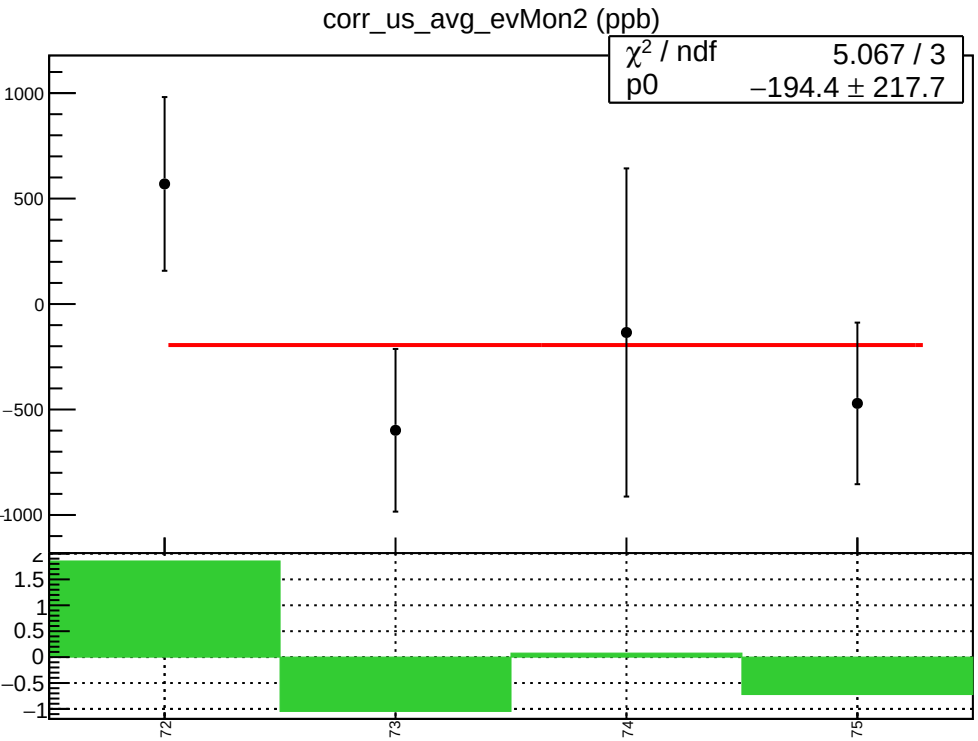

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
75
70
65
60
55
50
45
40
72
73
74
75

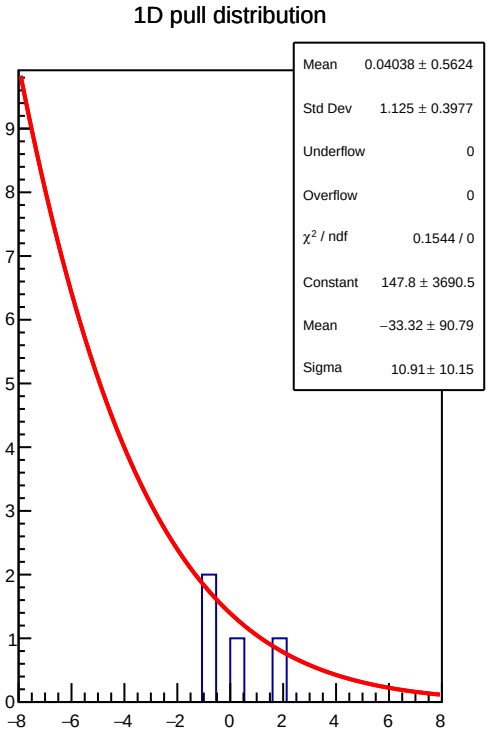

corr_us_avg_evMon1 (ppb)
χ² / ndf 3.108 / 3
p0 90.67 ± 84.12
600
400
200
0
−200
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
72
73
74
75

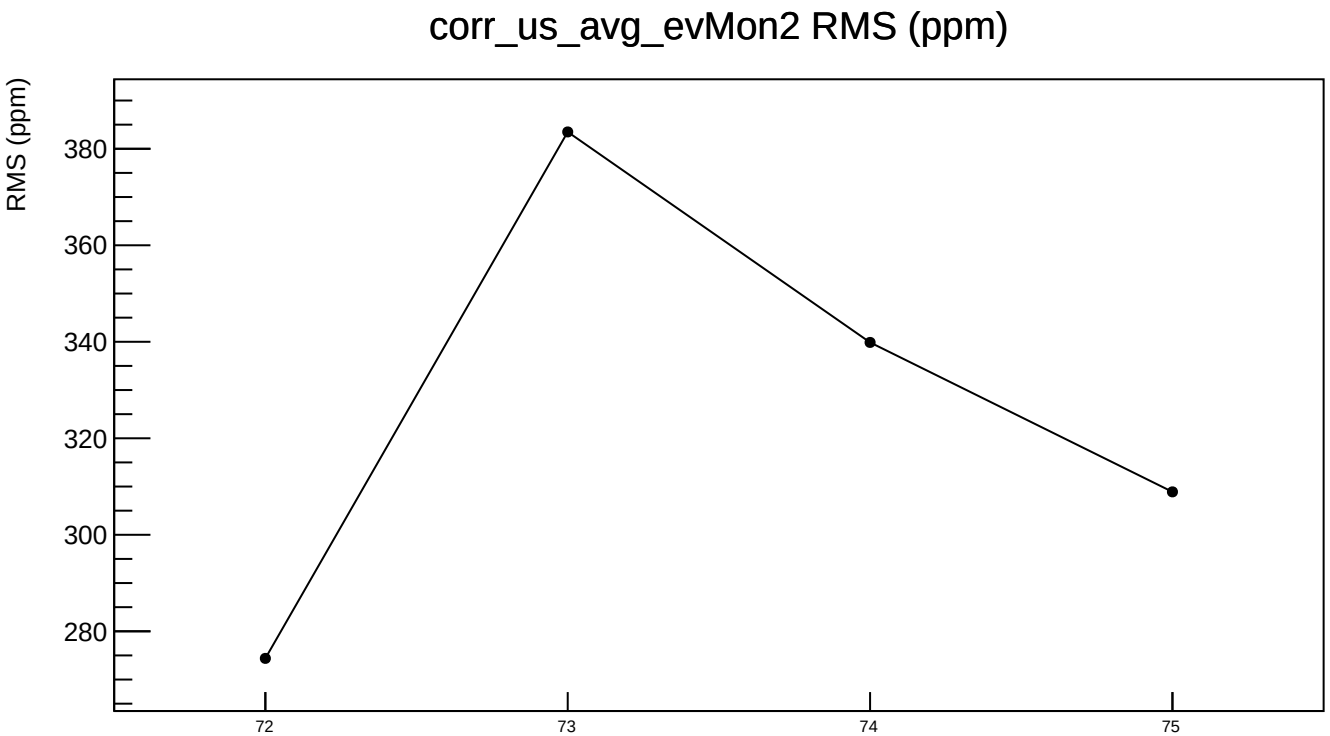

1D pull distribution
Mean 0.07979 ± 0.4389
Std Dev 0.8779 ± 0.3104
Underflow 0
Overflow 0
χ² / ndf 0.24 / 0
Constant 20.14 ± 257.38
Mean 20.61 ± 47.67
Sigma 8.743 ± 4.645
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

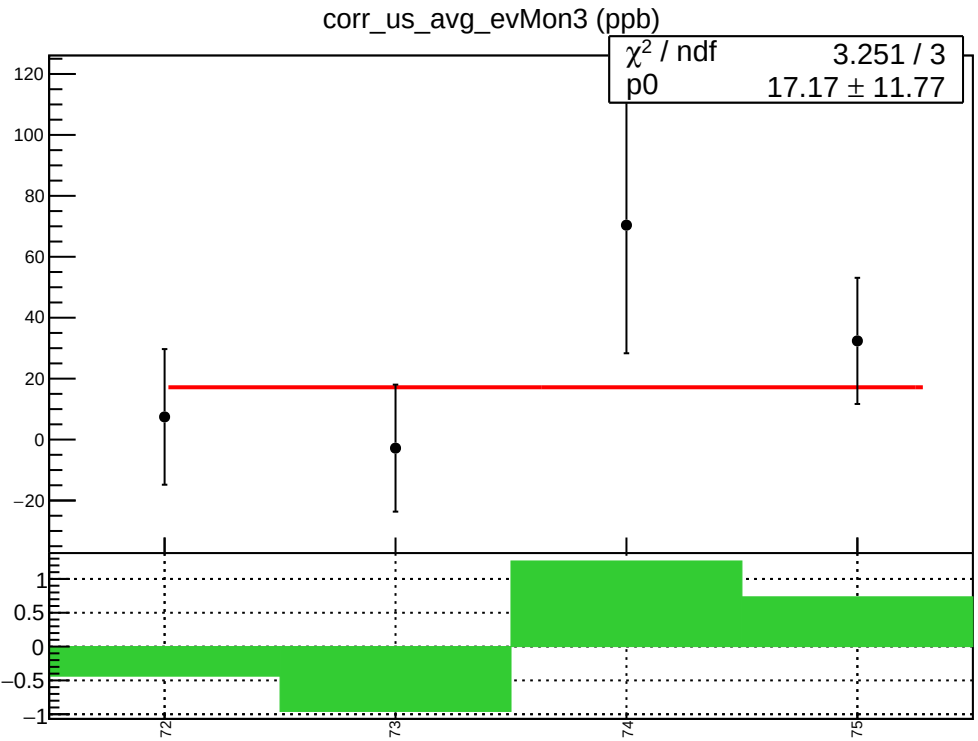
corr_us_avg_evMon1 RMS (ppm)

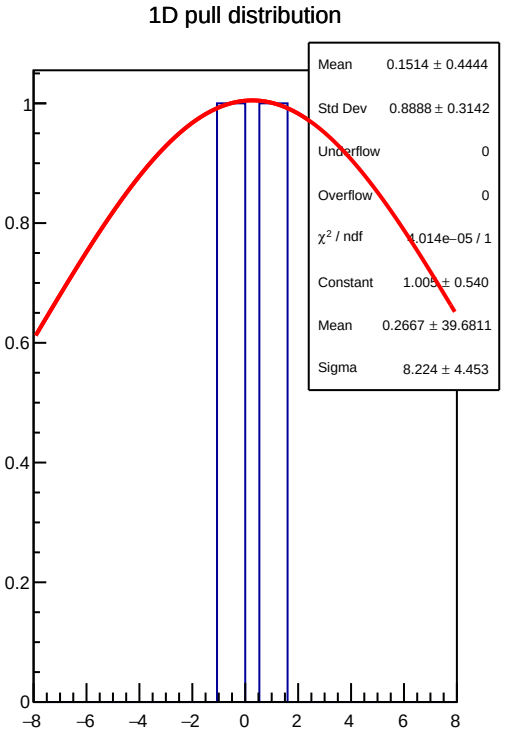


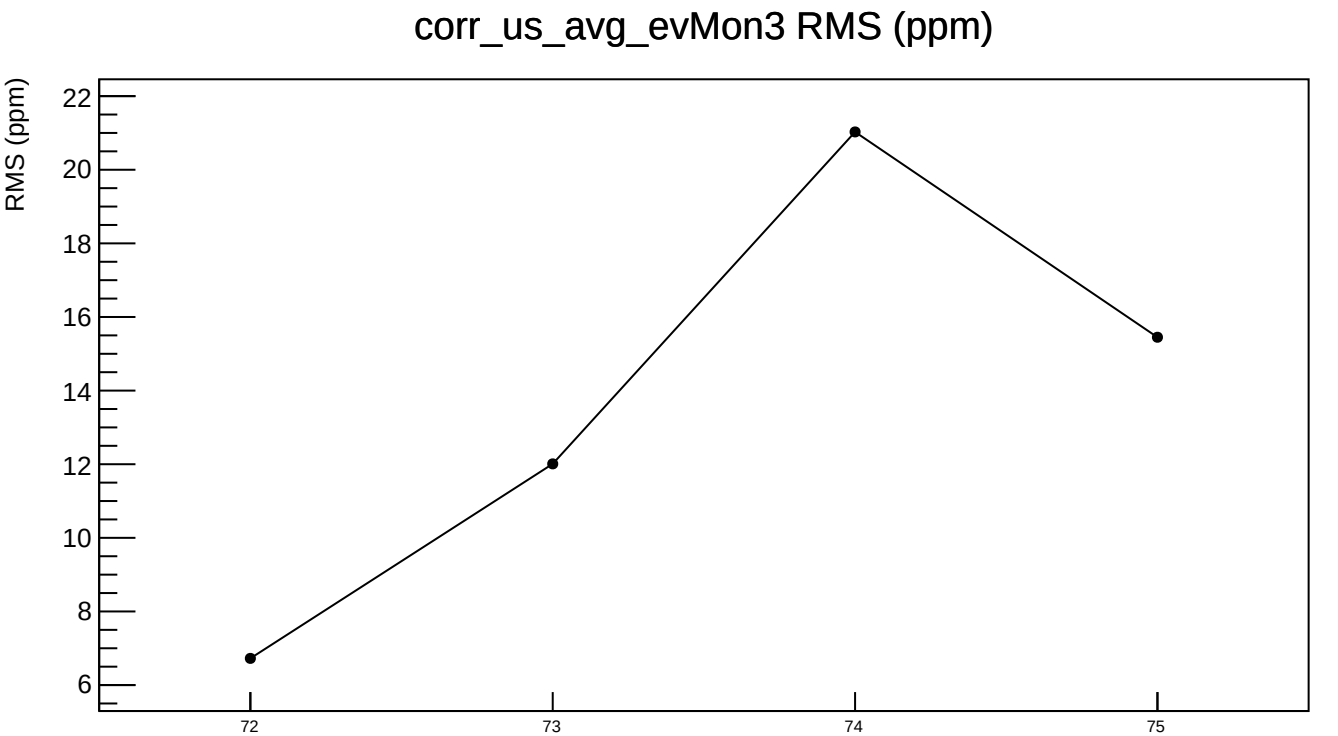

corr_us_avg_evMon2 (ppb)
χ² / ndf 5.067 / 3
p0 −194.4 ± 217.7
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
72
73
74
75

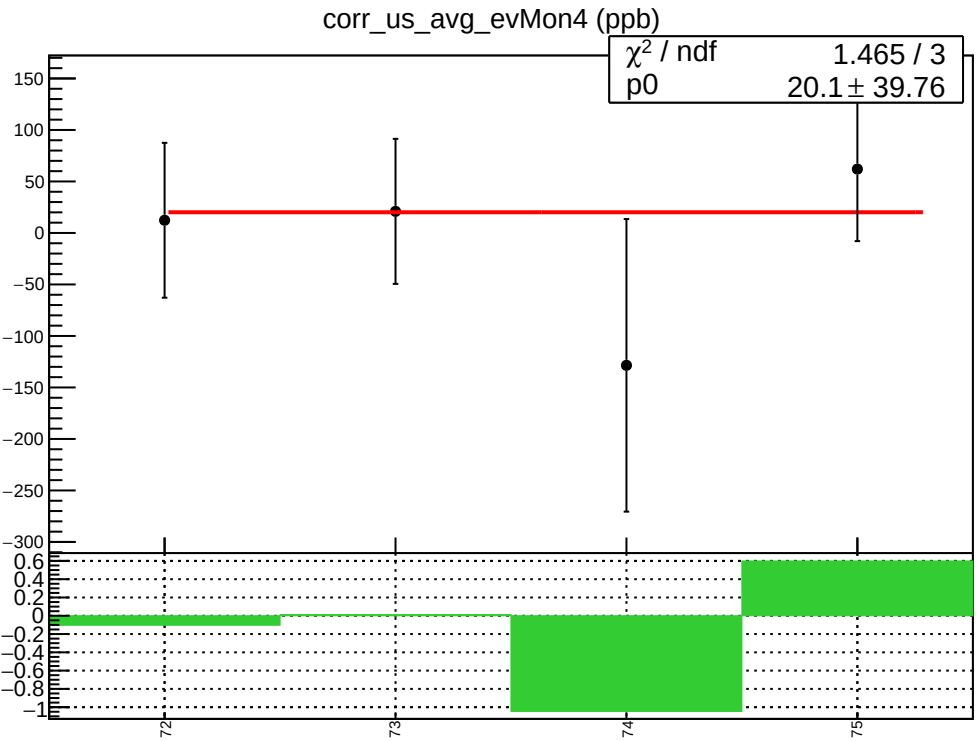

1D pull distribution
Mean 0.04038 ± 0.5624
Std Dev 1.125 ± 0.3977
Underflow 0
Overflow 0
χ² / ndf 0.1544 / 0
Constant 147.8 ± 3690.5
Mean −33.32 ± 90.79
Sigma 10.91± 10.15
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

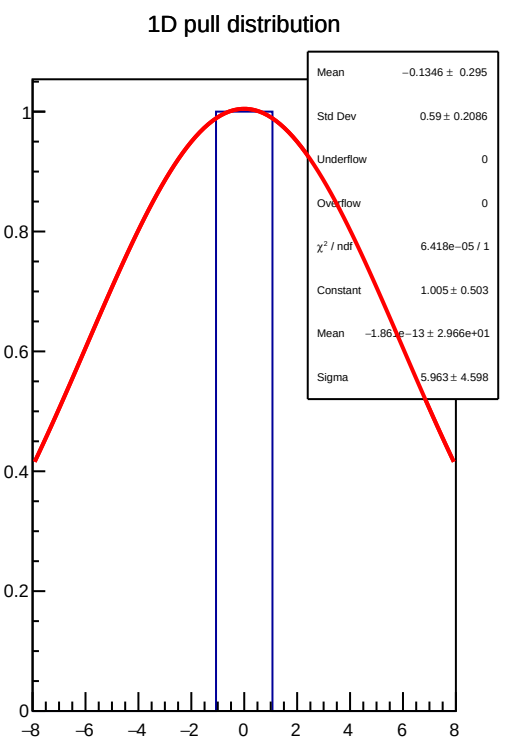

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
380
360
340
320
300
280
72
73
74
75


corr_us_avg_evMon3 (ppb)
χ² / ndf 3.251 / 3
p0 17.17 ± 11.77
120
100
80
60
40
20
0
−20
1
0.5
0
−0.5
−1
72
73
74
75

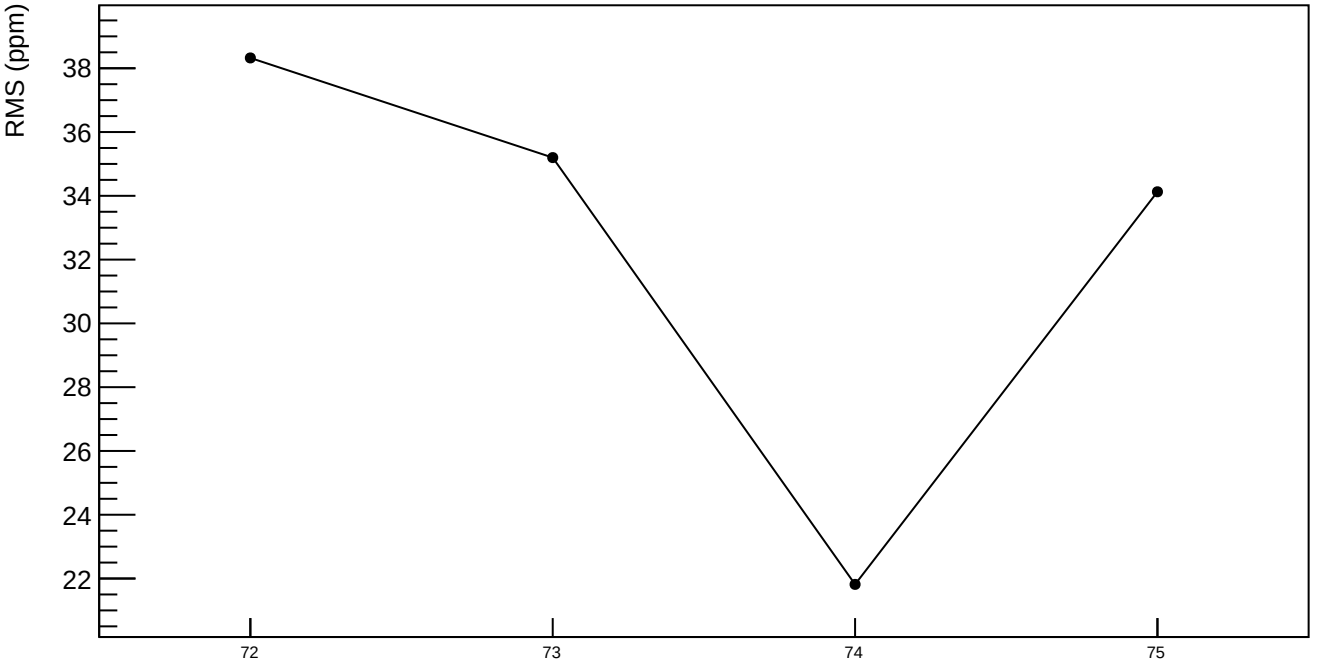

1D pull distribution
Mean 0.1514 ± 0.4444
Std Dev 0.8888 ± 0.3142
Underflow 0
Overflow 0
χ² / ndf 1.014e−05 / 1
Constant 1.005 ± 0.540
Mean 0.2667 ± 39.6811
Sigma 8.224 ± 4.453
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

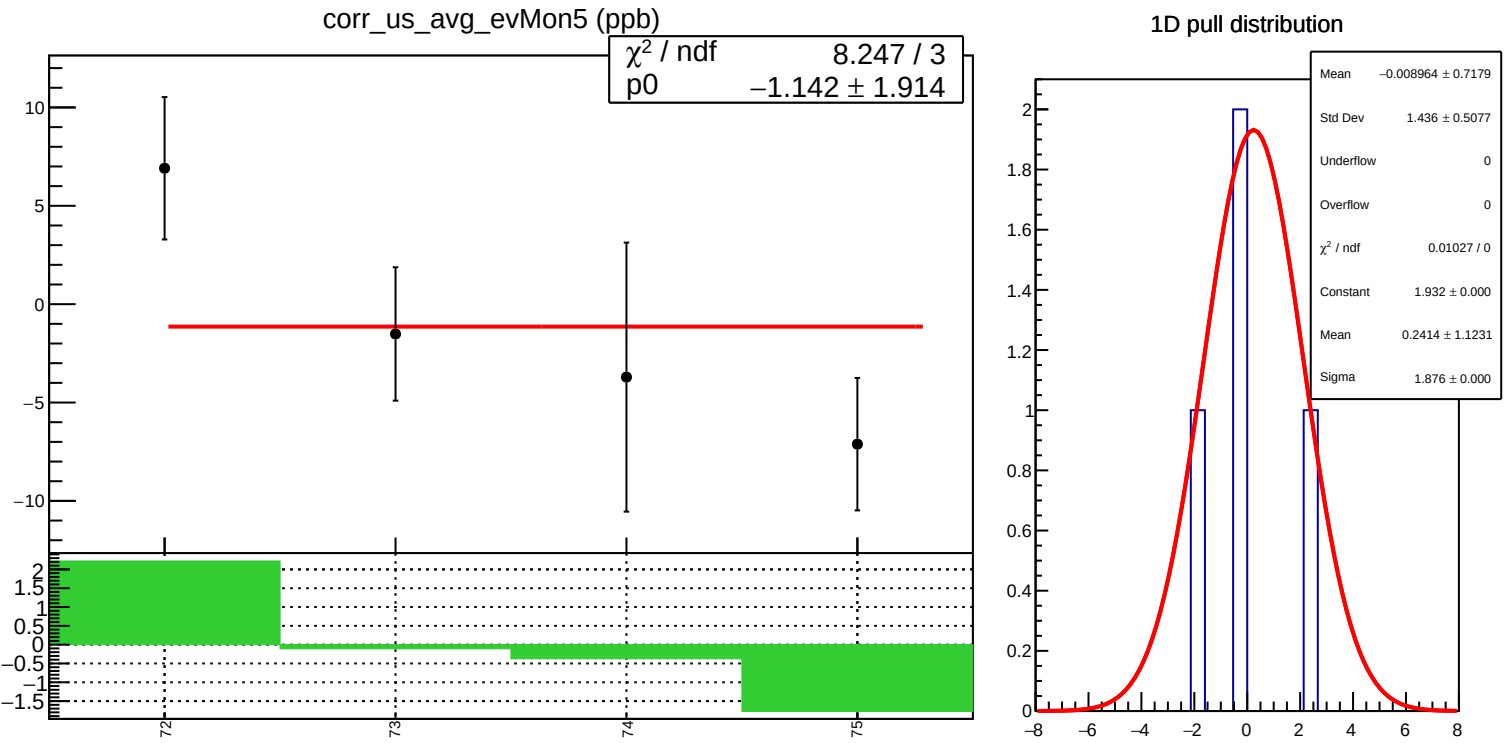

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
10
8
6
72
73
74
75

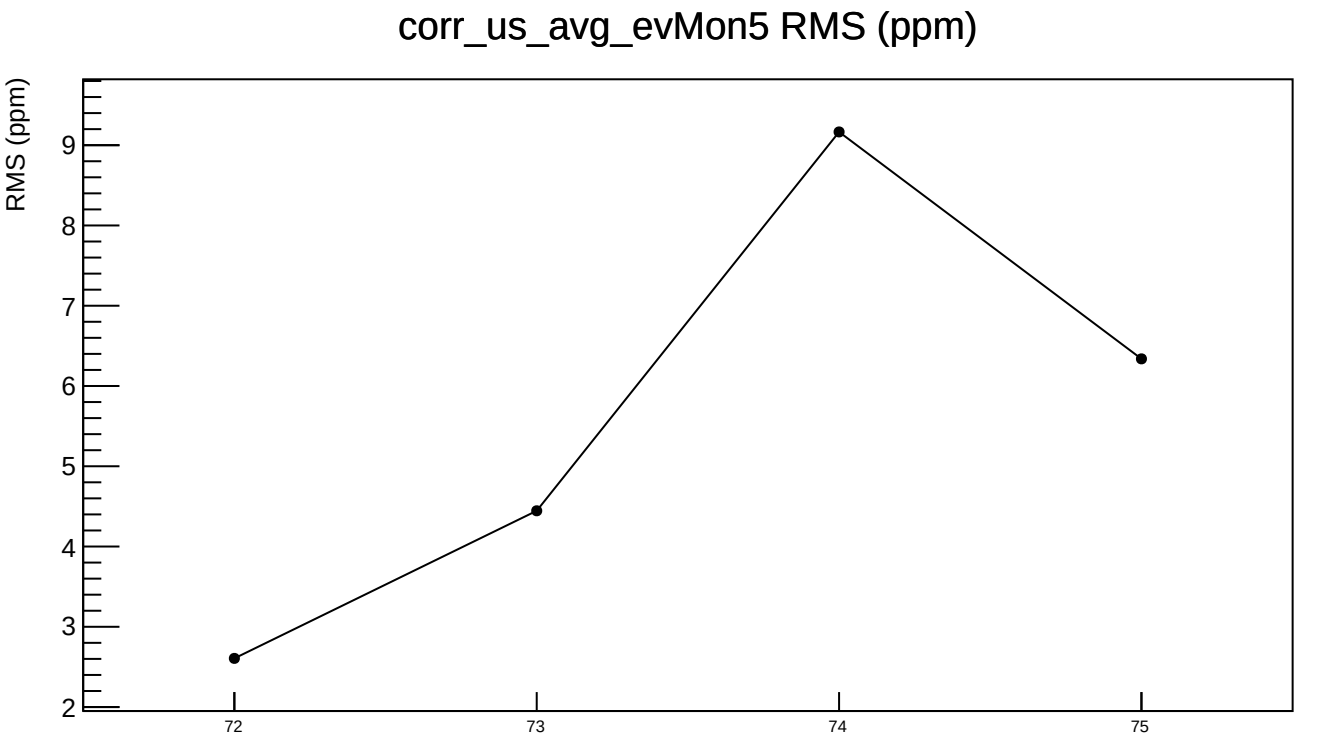

corr_us_avg_evMon4 (ppb)
χ² / ndf 1.465 / 3
p0 20.1 ± 39.76
150
100
50
0
−50
−100
−150
−200
−250
−300
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
72
73
74
75

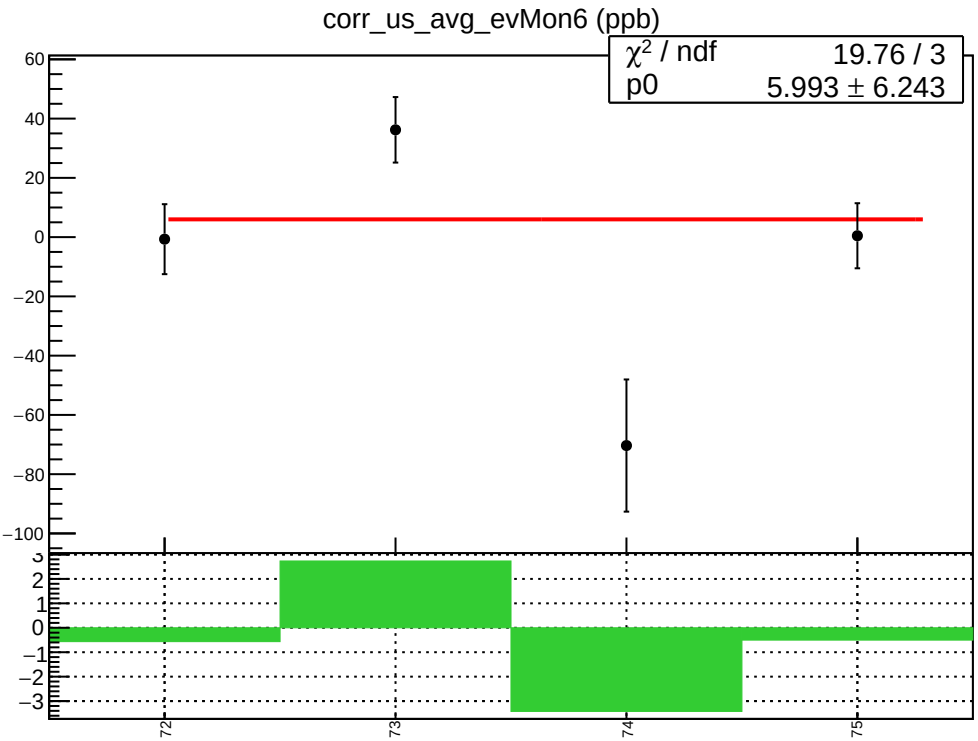

1D pull distribution
Mean −0.1346 ± 0.295
Std Dev 0.59 ± 0.2086
Underflow 0
Overflow 0
χ² / ndf 6.418e−05 / 1
Constant 1.005 ± 0.503
Mean −1.861e−13 ± 2.966e+01
Sigma 5.963 ± 4.598
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

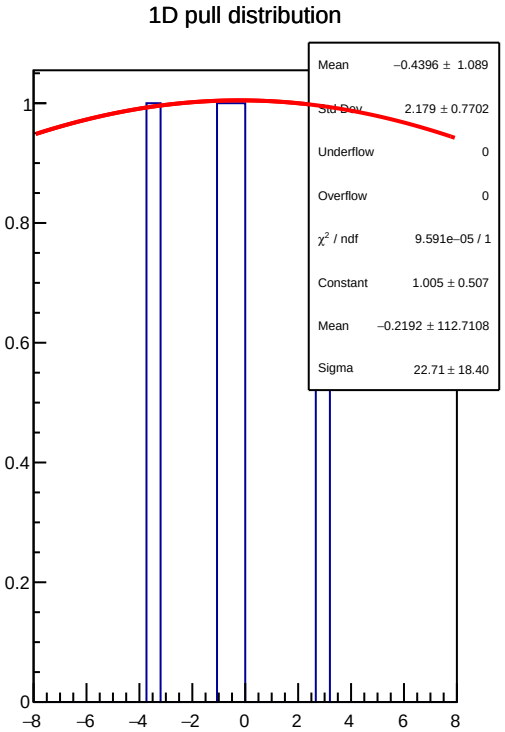
corr_us_avg_evMon4 RMS (ppm)



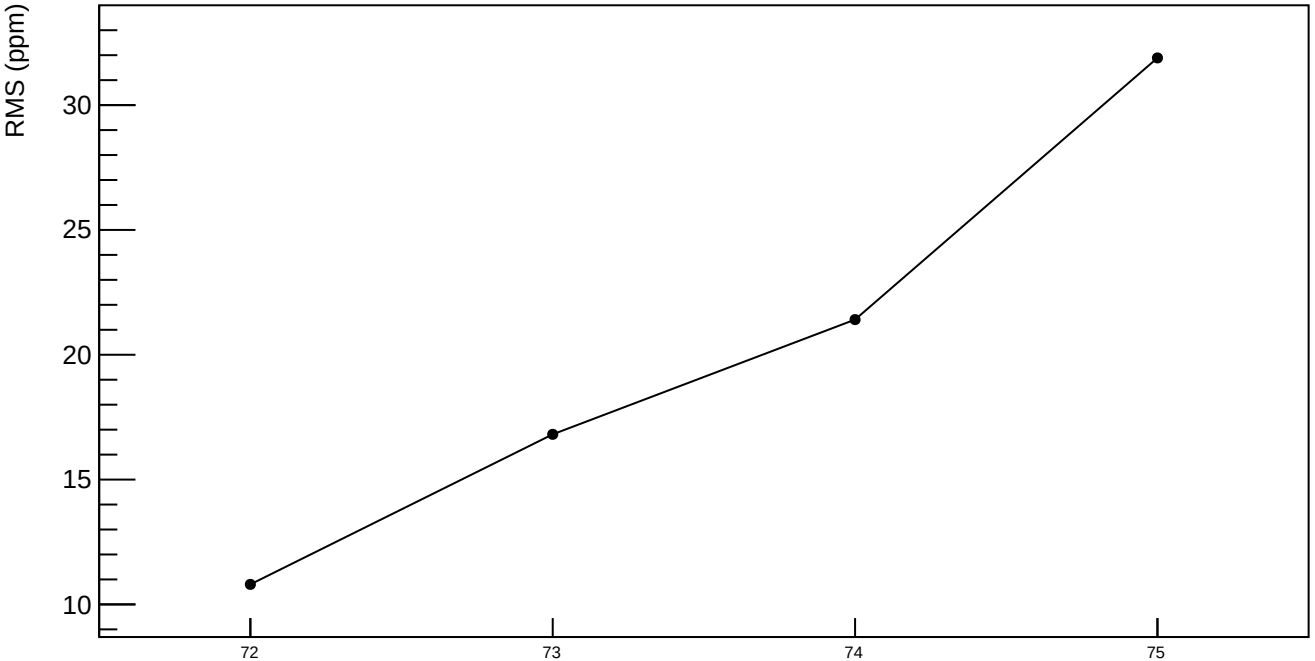

corr_us_avg_evMon5 (ppb)
χ² / ndf 8.247 / 3
p0 −1.142 ± 1.914
1D pull distribution
Mean −0.008964 ± 0.7179
Std Dev 1.436 ± 0.5077
Underflow 0
Overflow 0
χ² / ndf 0.01027 / 0
Constant 1.932 ± 0.000
Mean 0.2414 ± 1.1231
Sigma 1.876 ± 0.000

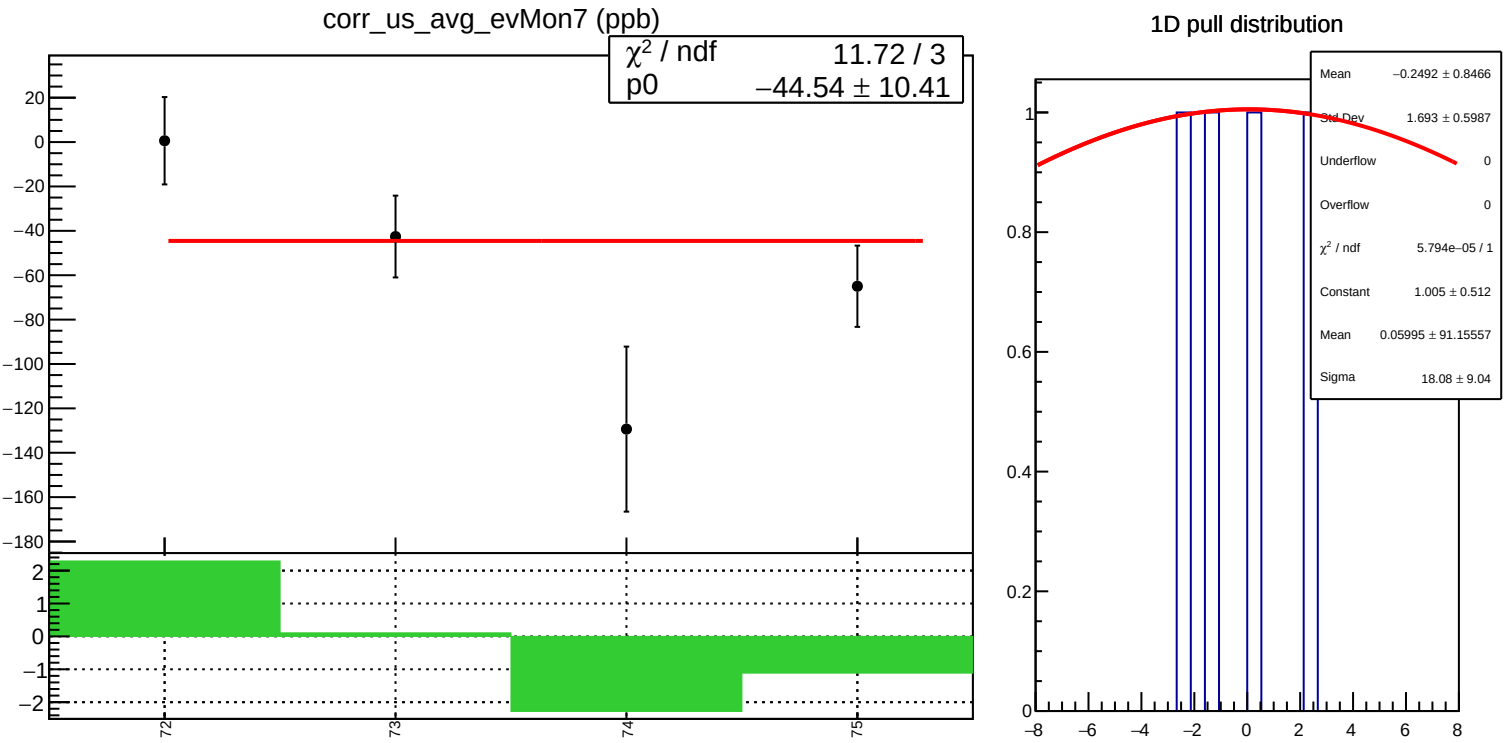

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
9
8
7
6
5
4
3
2
72
73
74
75


corr_us_avg_evMon6 (ppb)
χ² / ndf 19.76 / 3
p0 5.993 ± 6.243
60
40
20
0
−20
−40
−60
−80
−100
3
2
1
0
−1
−2
−3
72
73
74
75

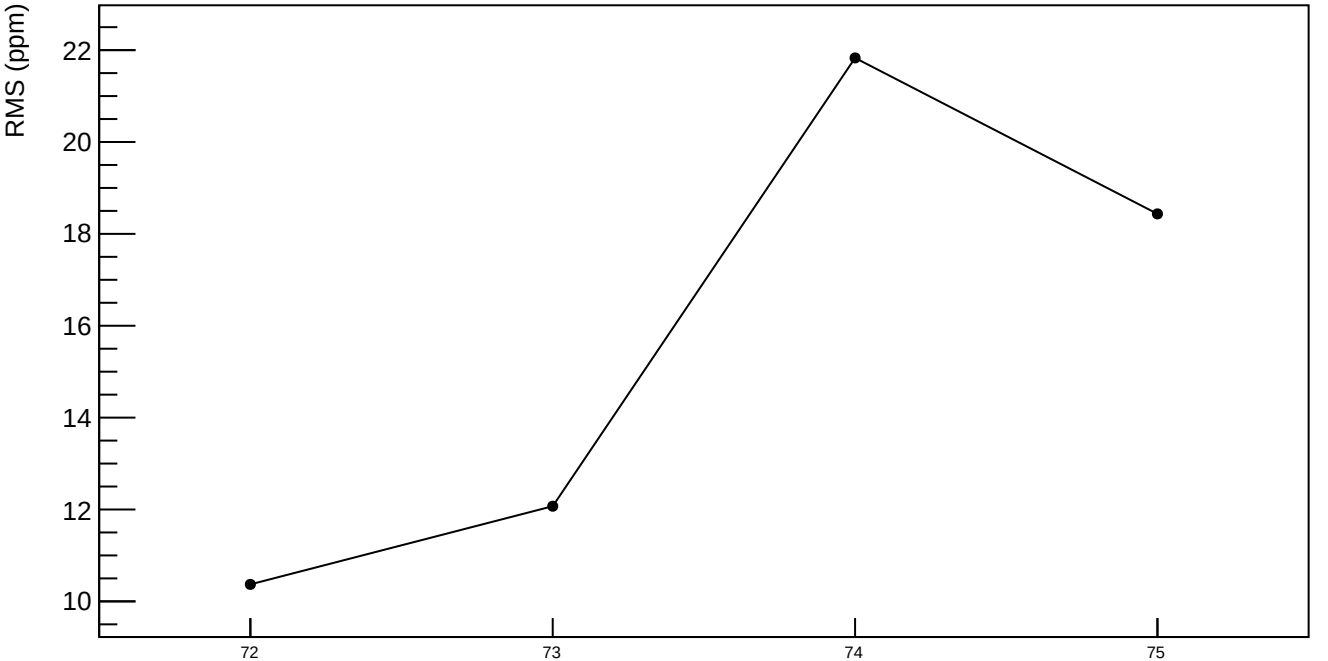

1D pull distribution
Mean −0.4396 ± 1.089
Std Dev 2.179 ± 0.7702
Underflow 0
Overflow 0
χ² / ndf 9.591e−05 / 1
Constant 1.005 ± 0.507
Mean −0.2192 ± 112.7108
Sigma 22.71 ± 18.40
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

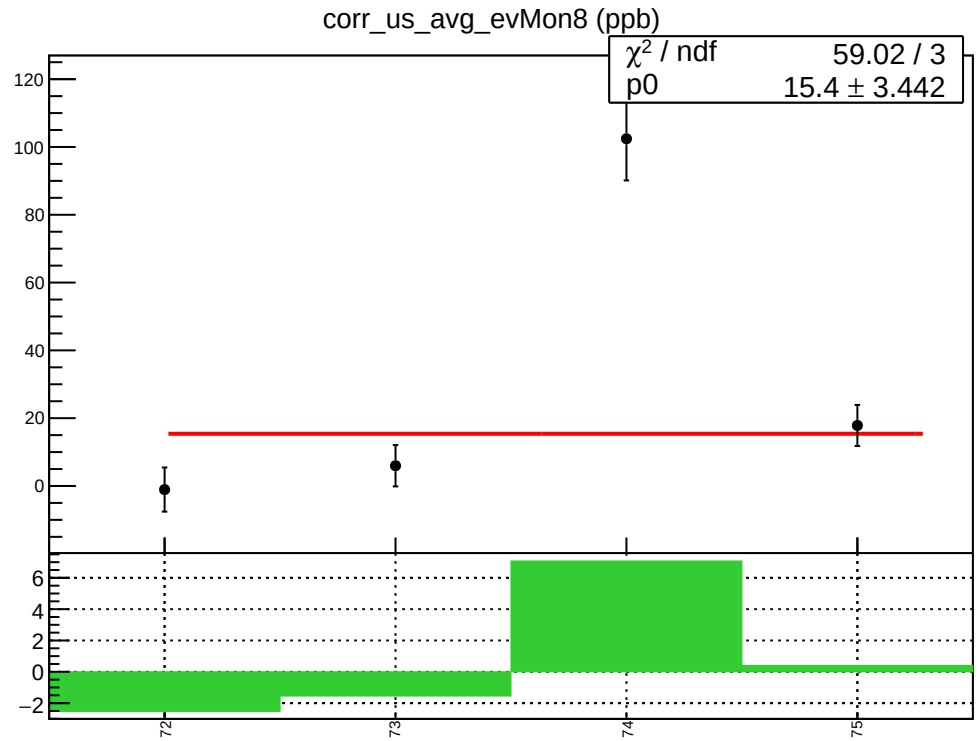
corr_us_avg_evMon6 RMS (ppm)

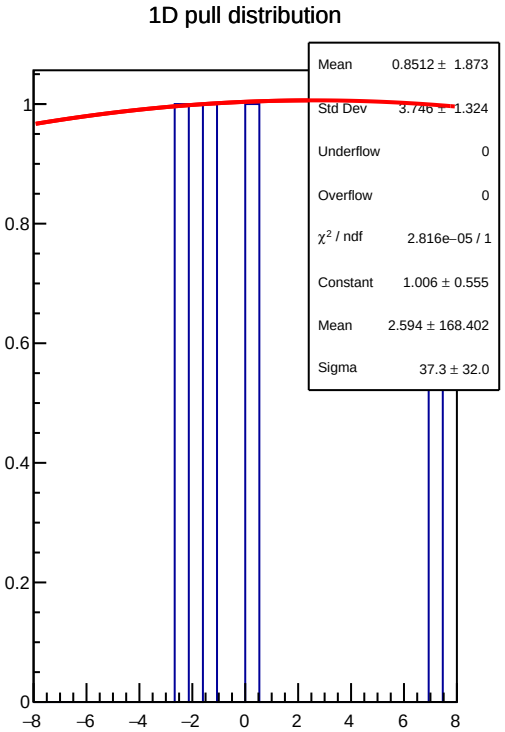


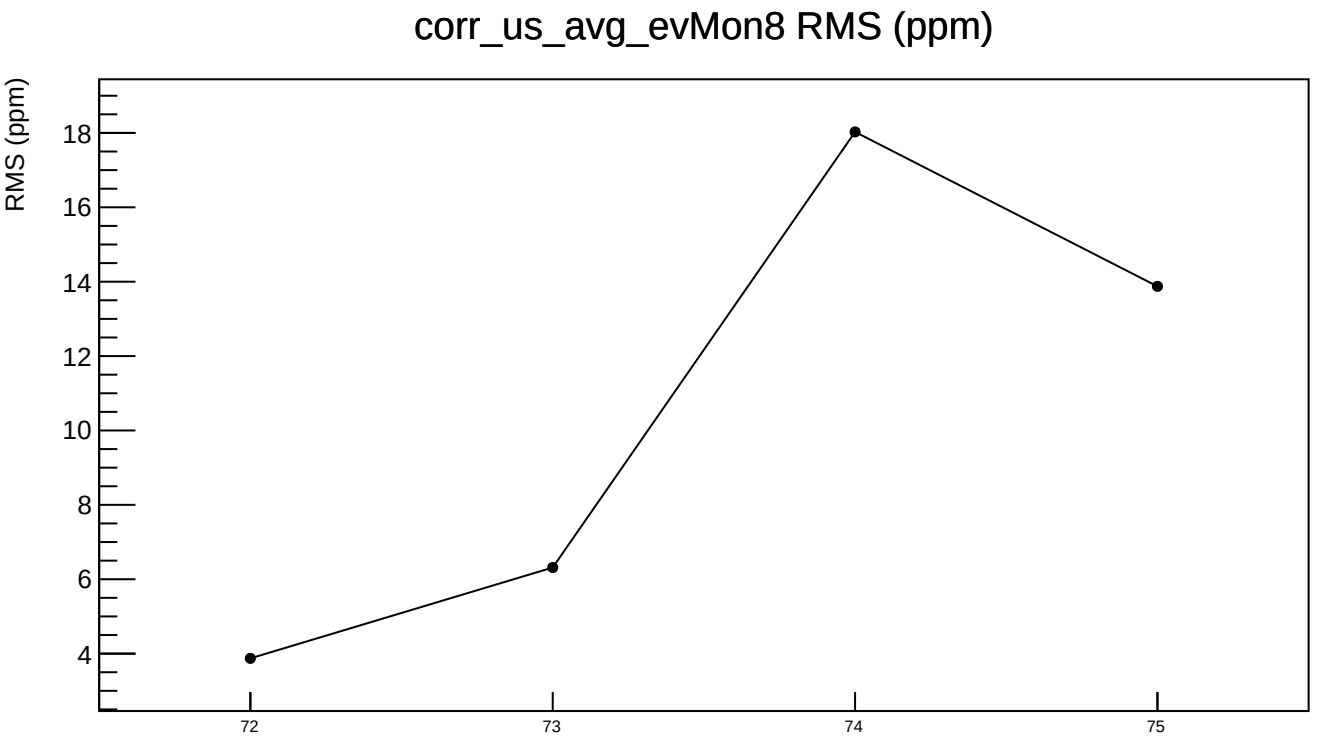

corr_us_avg_evMon7 (ppb)
χ² / ndf 11.72 / 3
p0 −44.54 ± 10.41
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
2
1
0
−1
−2
72
73
74
75
1D pull distribution
Mean −0.2492 ± 0.8466
Std Dev 1.693 ± 0.5987
Underflow 0
Overflow 0
χ² / ndf 5.794e−05 / 1
Constant 1.005 ± 0.512
Mean 0.05995 ± 91.15557
Sigma 18.08 ± 9.04
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

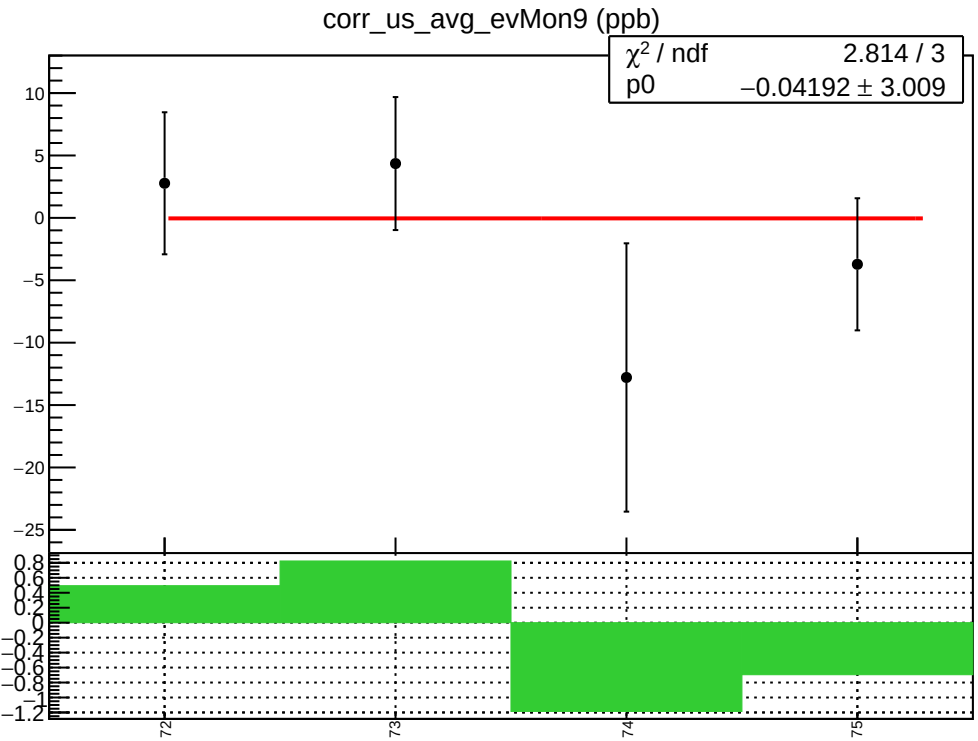
corr_us_avg_evMon7 RMS (ppm)

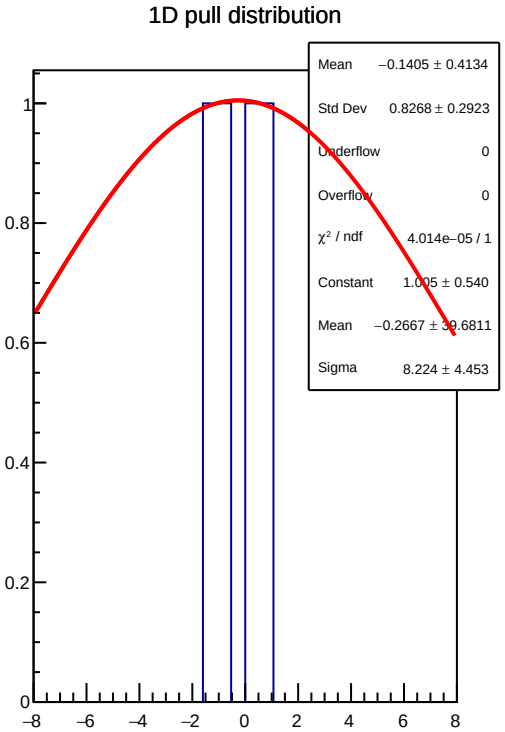


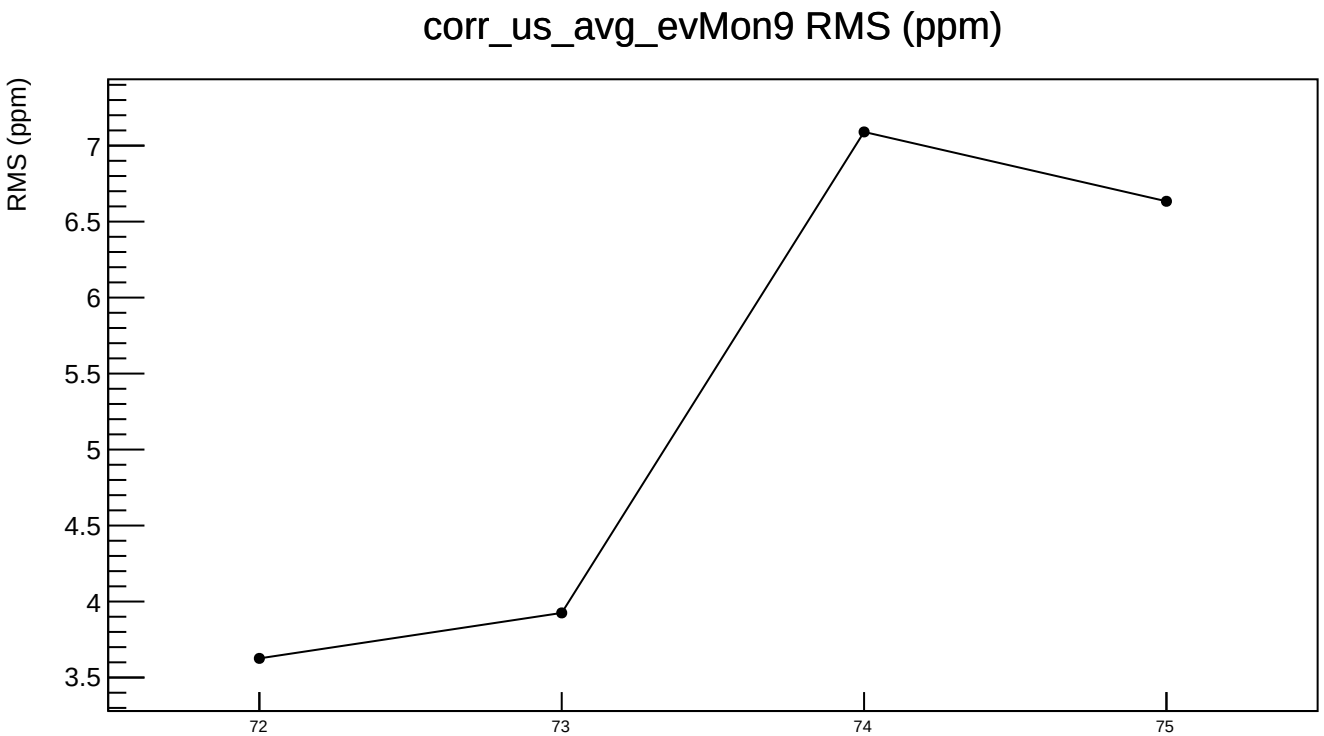

corr_us_avg_evMon8 (ppb)
χ² / ndf 59.02 / 3
p0 15.4 ± 3.442
120
100
80
60
40
20
0
6
4
2
0
−2
72
73
74
75

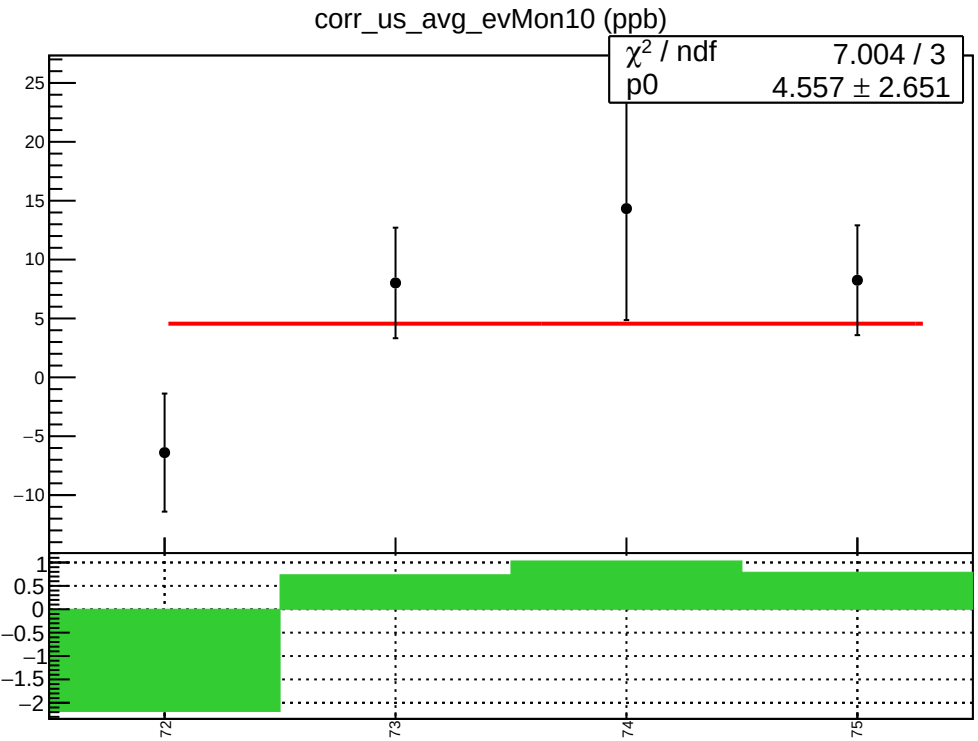

1D pull distribution
Mean 0.8512 ± 1.873
Std Dev 3.746 ± 1.324
Underflow 0
Overflow 0
χ² / ndf 2.816e−05 / 1
Constant 1.006 ± 0.555
Mean 2.594 ± 168.402
Sigma 37.3 ± 32.0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

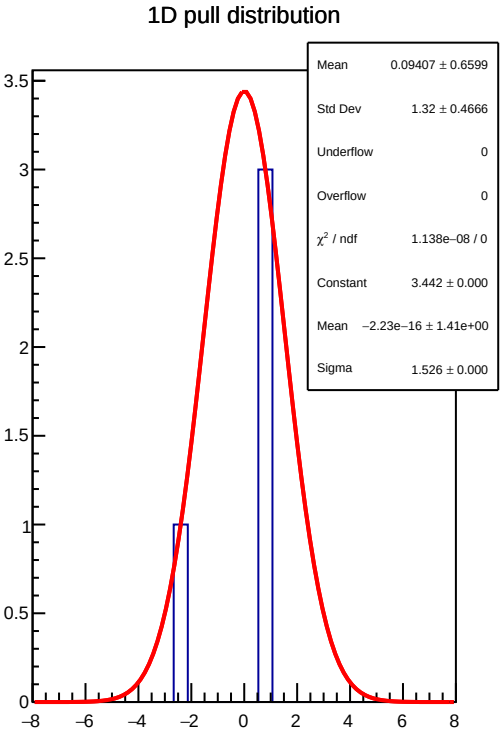

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
18
16
14
12
10
8
6
4
72
73
74
75

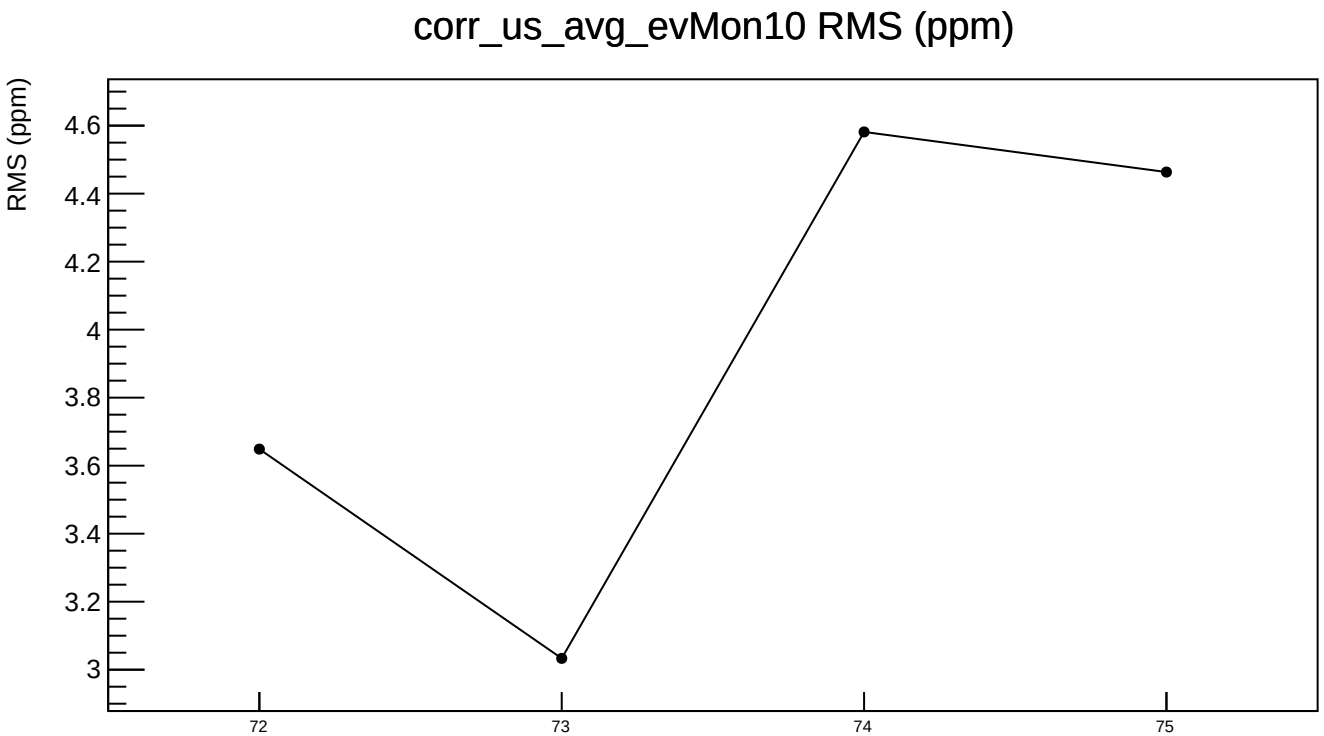

corr_us_avg_evMon9 (ppb)
χ^2 / ndf 2.814 / 3
p0 −0.04192 ± 3.009
10
5
0
−5
−10
−15
−20
−25
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
72
73
74
75

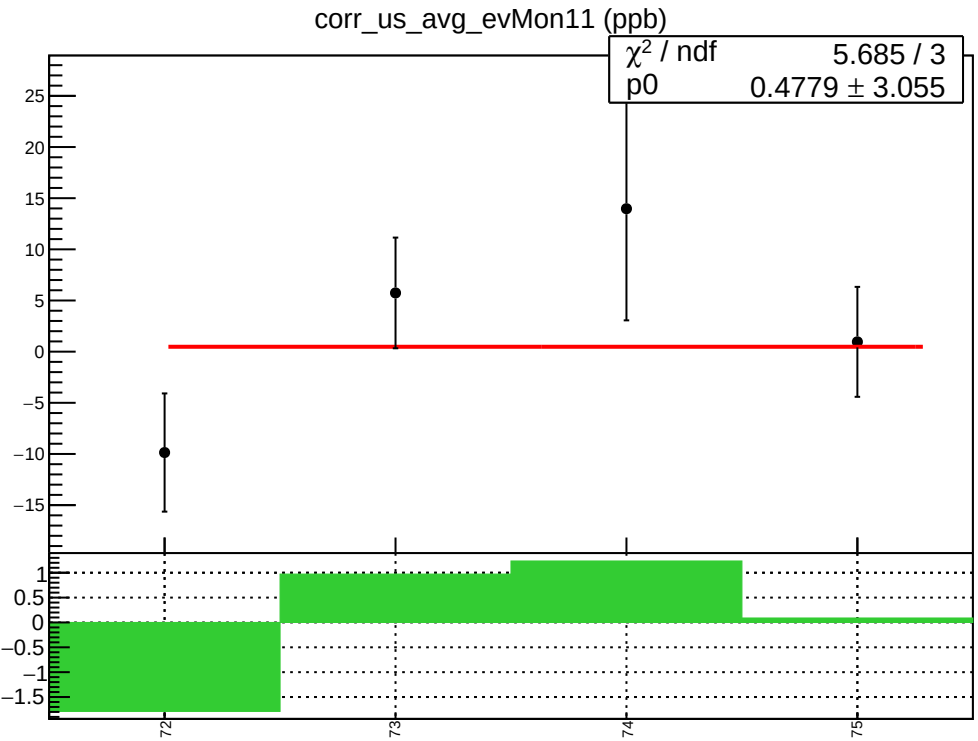

1D pull distribution
Mean −0.1405 ± 0.4134
Std Dev 0.8268 ± 0.2923
Underflow 0
Overflow 0
χ^2 / ndf 4.014e−05 / 1
Constant 1.005 ± 0.540
Mean −0.2667 ± 39.6811
Sigma 8.224 ± 4.453
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

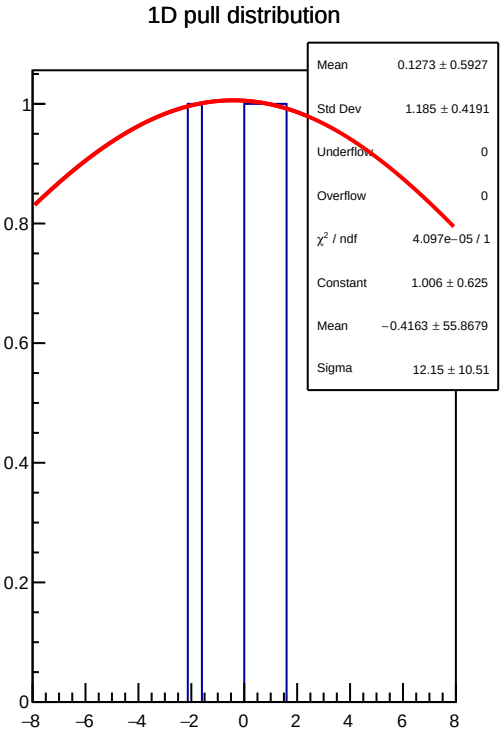

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
7
6.5
6
5.5
5
4.5
4
3.5
72
73
74
75

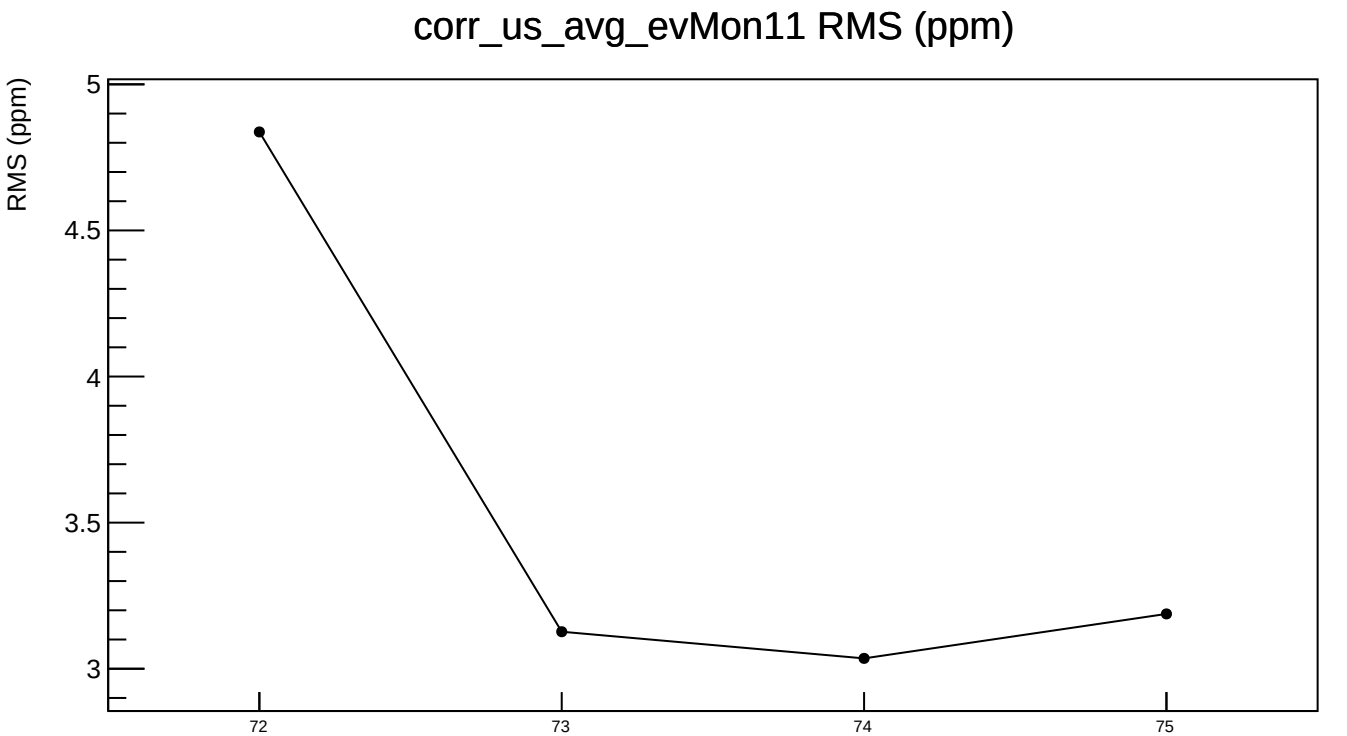

corr_us_avg_evMon10 (ppb)
χ² / ndf 7.004 / 3
p0 4.557 ± 2.651
25
20
15
10
5
0
−5
−10
1
0.5
0
−0.5
−1
−1.5
−2
72
73
74
75

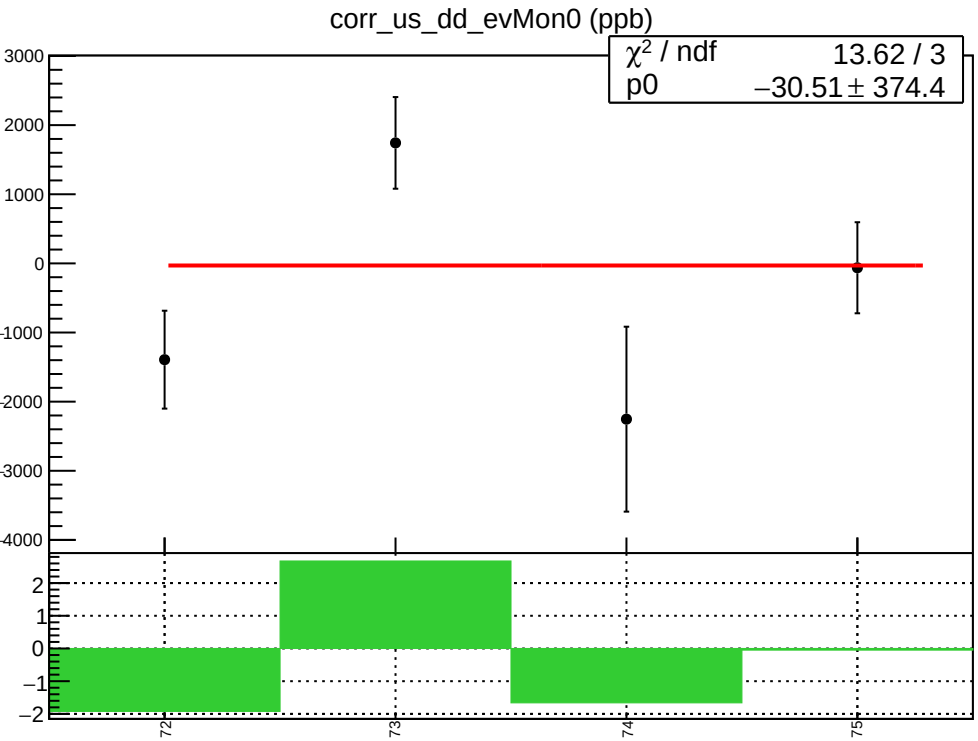

1D pull distribution
Mean 0.09407 ± 0.6599
Std Dev 1.32 ± 0.4666
Underflow 0
Overflow 0
χ² / ndf 1.138e−08 / 0
Constant 3.442 ± 0.000
Mean −2.23e−16 ± 1.41e+00
Sigma 1.526 ± 0.000
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

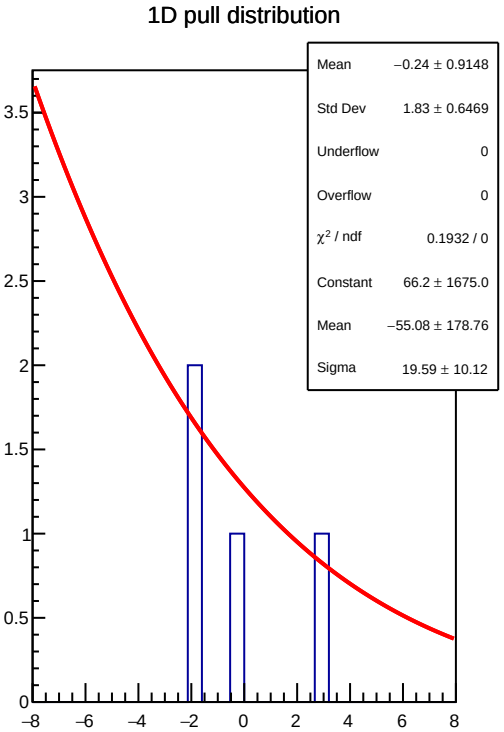

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
4.6
4.4
4.2
4
3.8
3.6
3.4
3.2
3
72
73
74
75

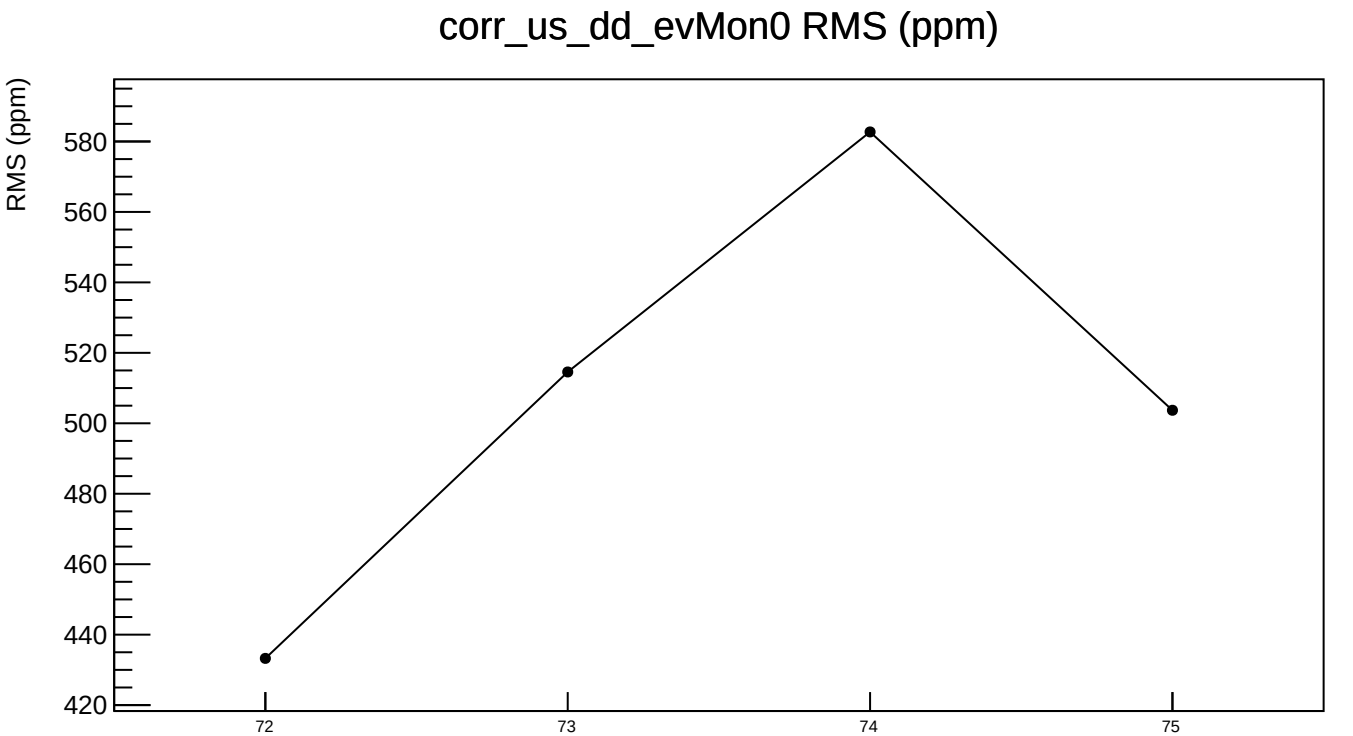

corr_us_avg_evMon11 (ppb)
χ² / ndf 5.685 / 3
p0 0.4779 ± 3.055
25
20
15
10
5
0
−5
−10
−15
1
0.5
0
−0.5
−1
−1.5
72
73
74
75

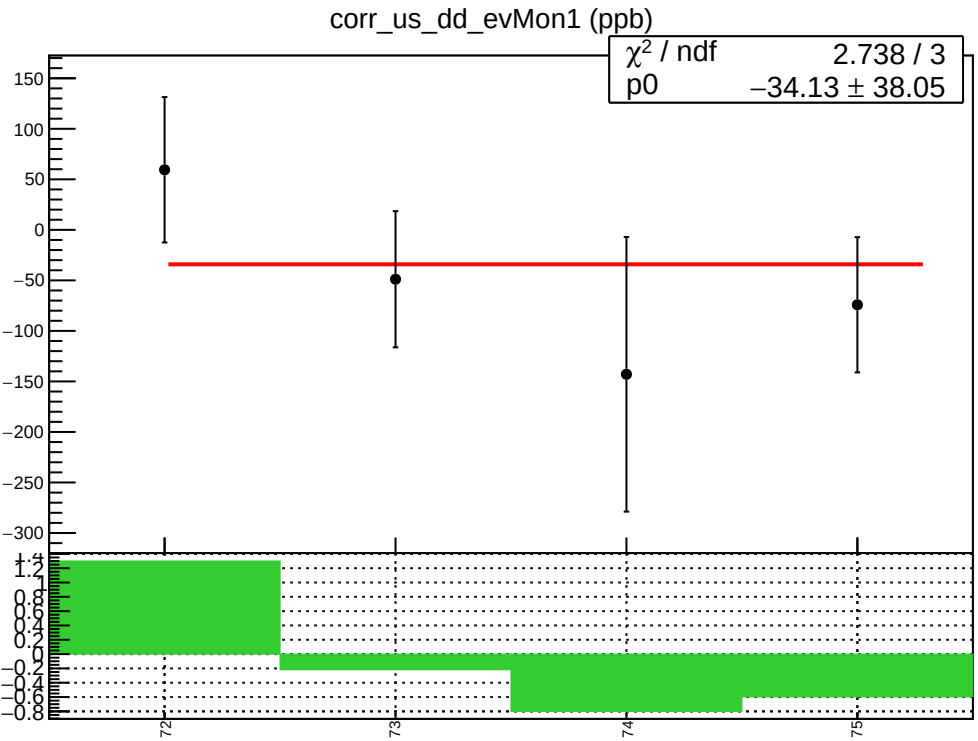

1D pull distribution
Mean 0.1273 ± 0.5927
Std Dev 1.185 ± 0.4191
Underflow 0
Overflow 0
χ² / ndf 4.097e−05 / 1
Constant 1.006 ± 0.625
Mean −0.4163 ± 55.8679
Sigma 12.15 ± 10.51
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

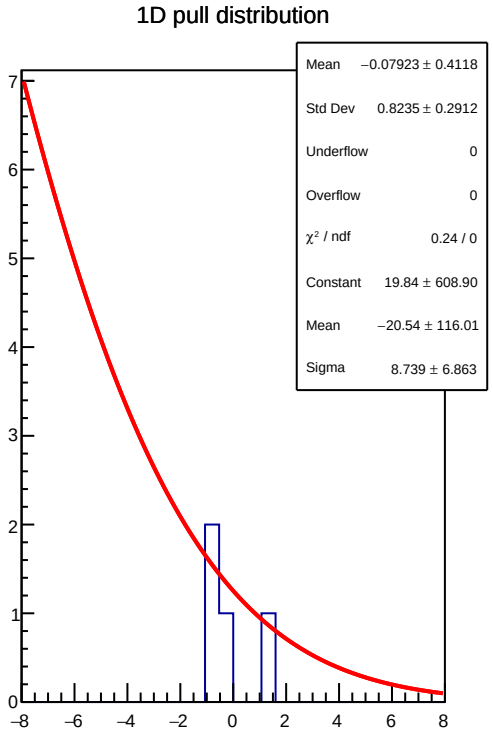

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3
72
73
74
75

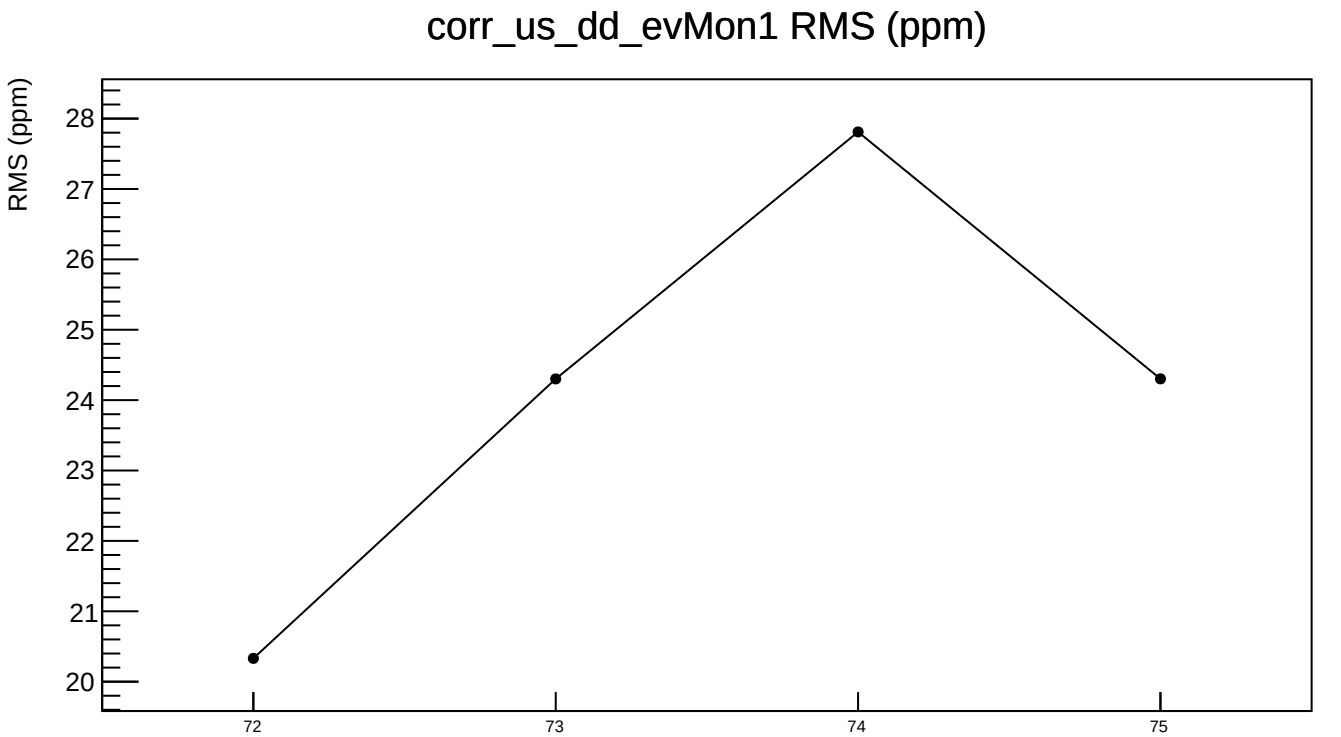

corr_us_dd_evMon0 (ppb)
χ² / ndf 13.62 / 3
p0 −30.51 ± 374.4
3000
2000
1000
0
-1000
-2000
-3000
-4000
2
1
0
−1
−2
72
73
74
75

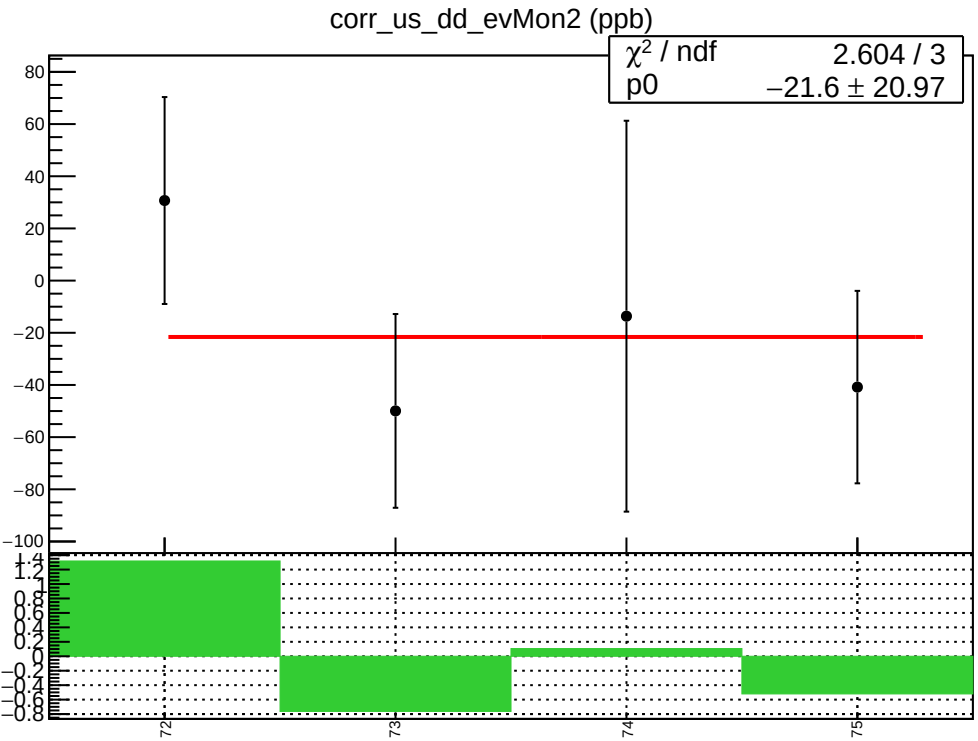

1D pull distribution
Mean −0.24 ± 0.9148
Std Dev 1.83 ± 0.6469
Underflow 0
Overflow 0
χ² / ndf 0.1932 / 0
Constant 66.2 ± 1675.0
Mean −55.08 ± 178.76
Sigma 19.59 ± 10.12
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

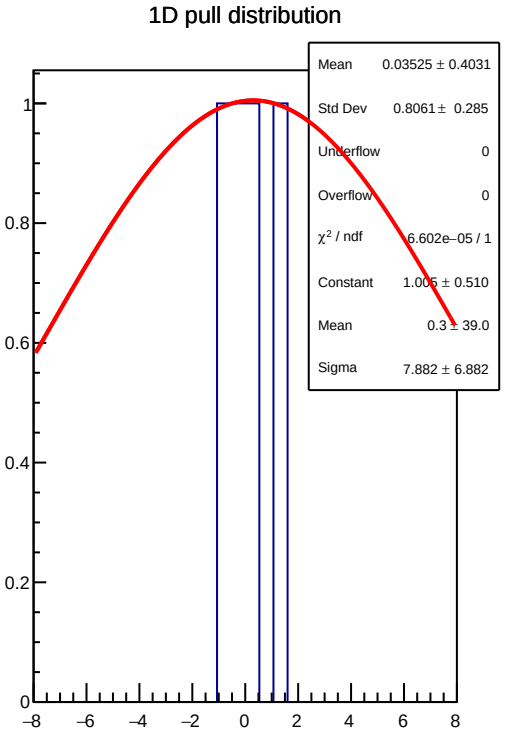

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
580
560
540
520
500
480
460
440
420
72
73
74
75


corr_us_dd_evMon1 (ppb)
χ² / ndf 2.738 / 3
p0 −34.13 ± 38.05
150
100
50
0
−50
−100
−150
−200
−250
−300
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
72
73
74
75

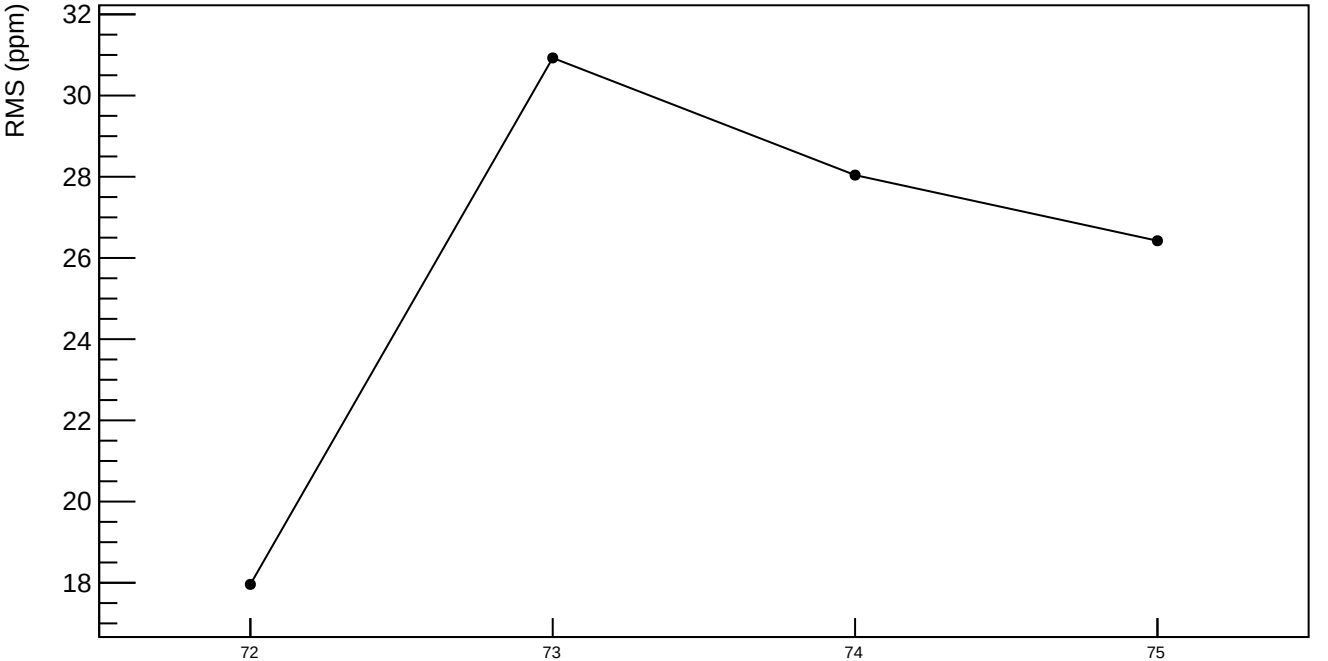

1D pull distribution
Mean −0.07923 ± 0.4118
Std Dev 0.8235 ± 0.2912
Underflow 0
Overflow 0
χ² / ndf 0.24 / 0
Constant 19.84 ± 608.90
Mean −20.54 ± 116.01
Sigma 8.739 ± 6.863
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

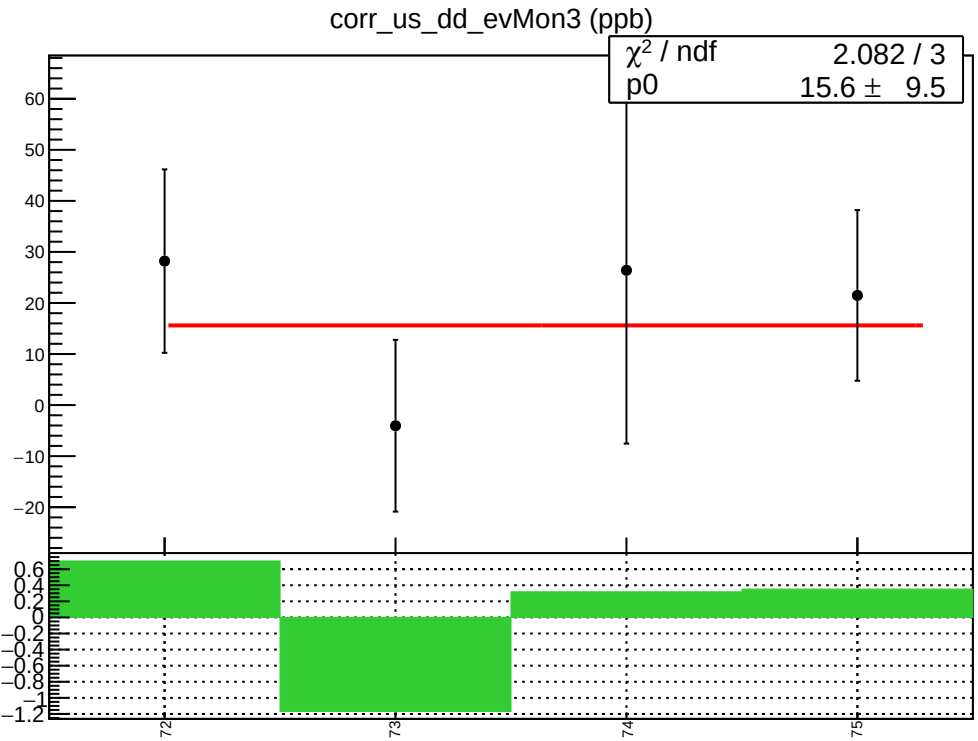

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
28
27
26
25
24
23
22
21
20
72
73
74
75

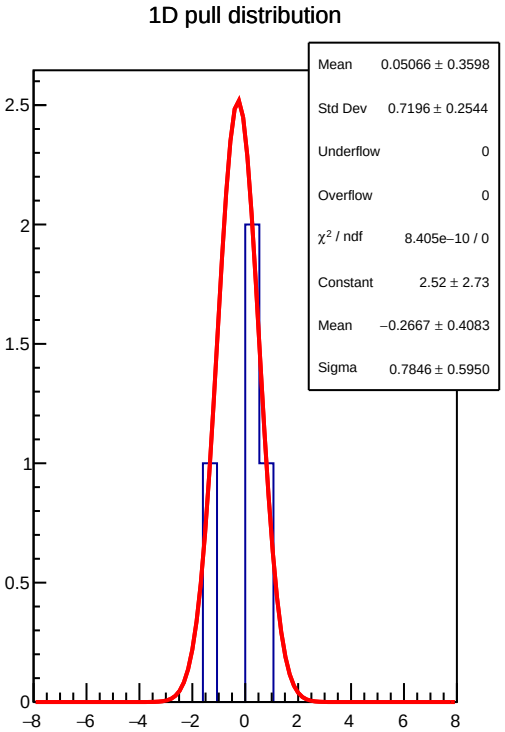

corr_us_dd_evMon2 (ppb)
χ² / ndf 2.604 / 3
p0 −21.6 ± 20.97
80
60
40
20
0
−20
−40
−60
−80
−100
1.4
1.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
72
73
74
75


1D pull distribution
Mean 0.03525 ± 0.4031
Std Dev 0.8061 ± 0.285
Underflow 0
Overflow 0
χ² / ndf 6.602e−05 / 1
Constant 1.005 ± 0.510
Mean 0.3 ± 39.0
Sigma 7.882 ± 6.882
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

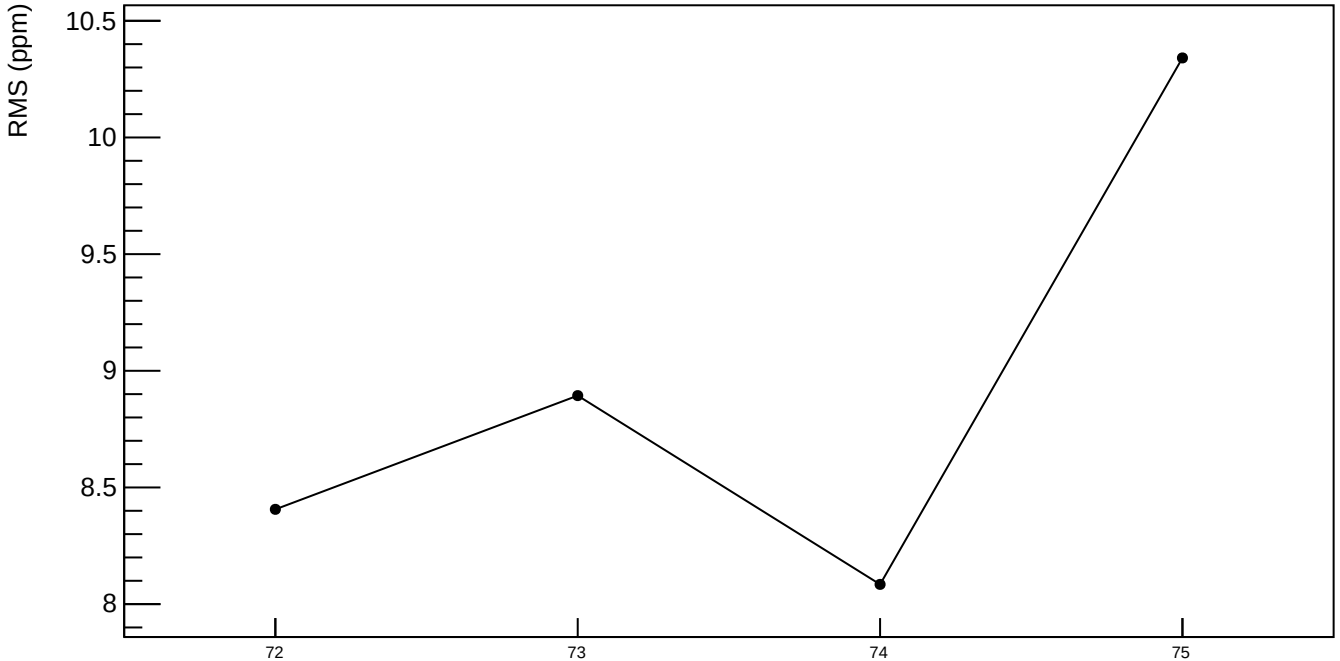
corr_us_dd_evMon2 RMS (ppm)

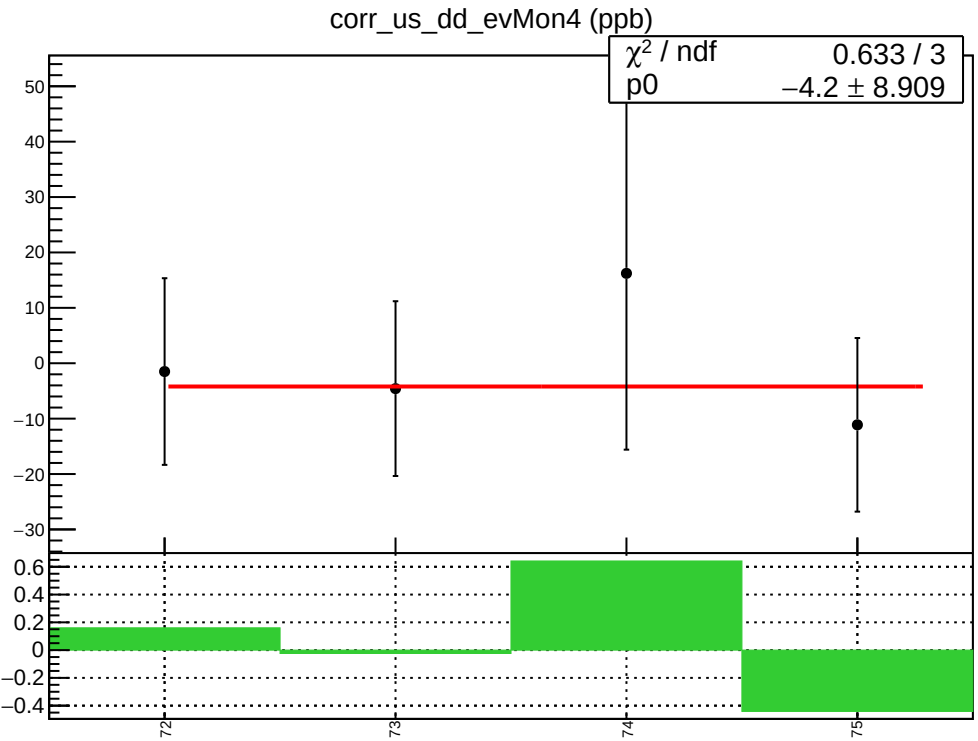


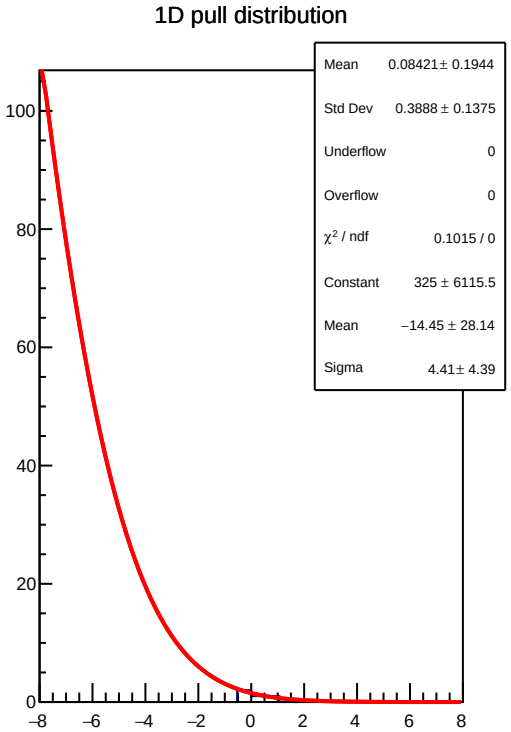

corr_us_dd_evMon3 (ppb)
χ² / ndf 2.082 / 3
p0 15.6 ± 9.5
60
50
40
30
20
10
0
−10
−20
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
72
73
74
75

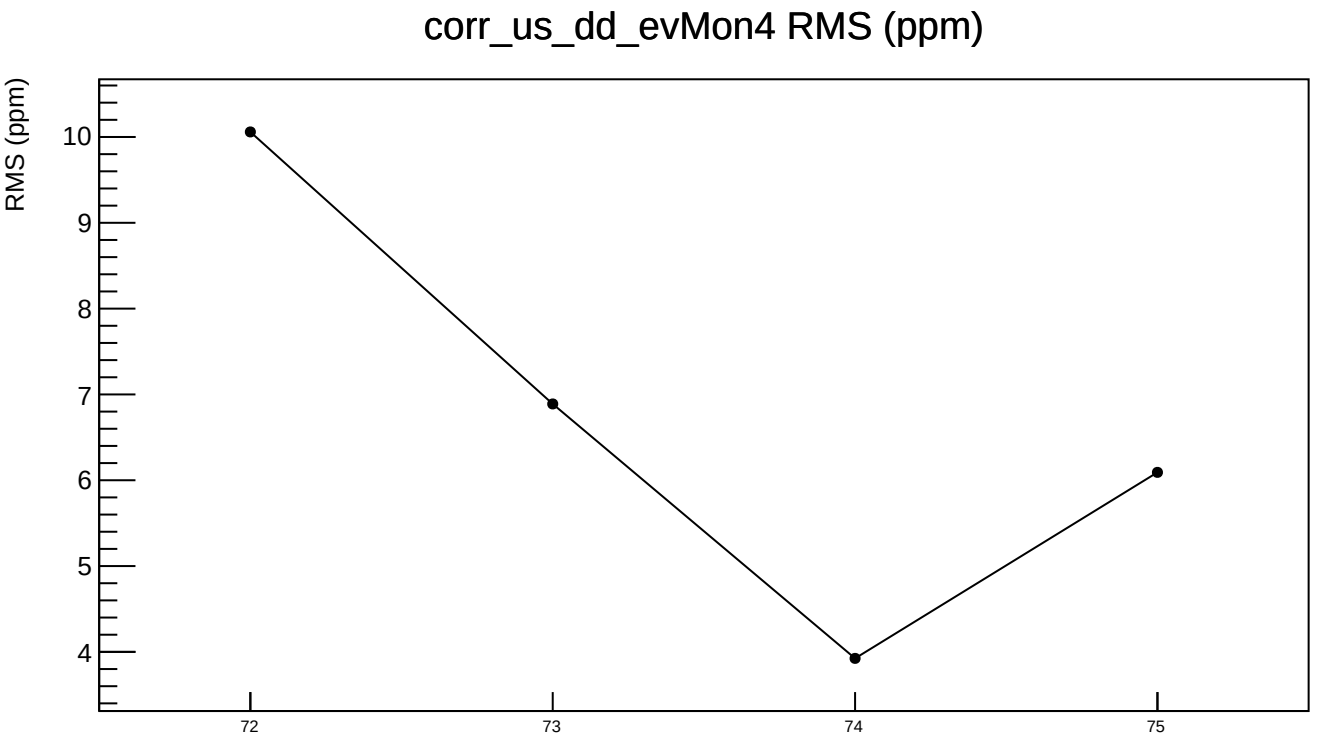

1D pull distribution
Mean 0.05066 ± 0.3598
Std Dev 0.7196 ± 0.2544
Underflow 0
Overflow 0
χ² / ndf 8.405e−10 / 0
Constant 2.52 ± 2.73
Mean −0.2667 ± 0.4083
Sigma 0.7846 ± 0.5950
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

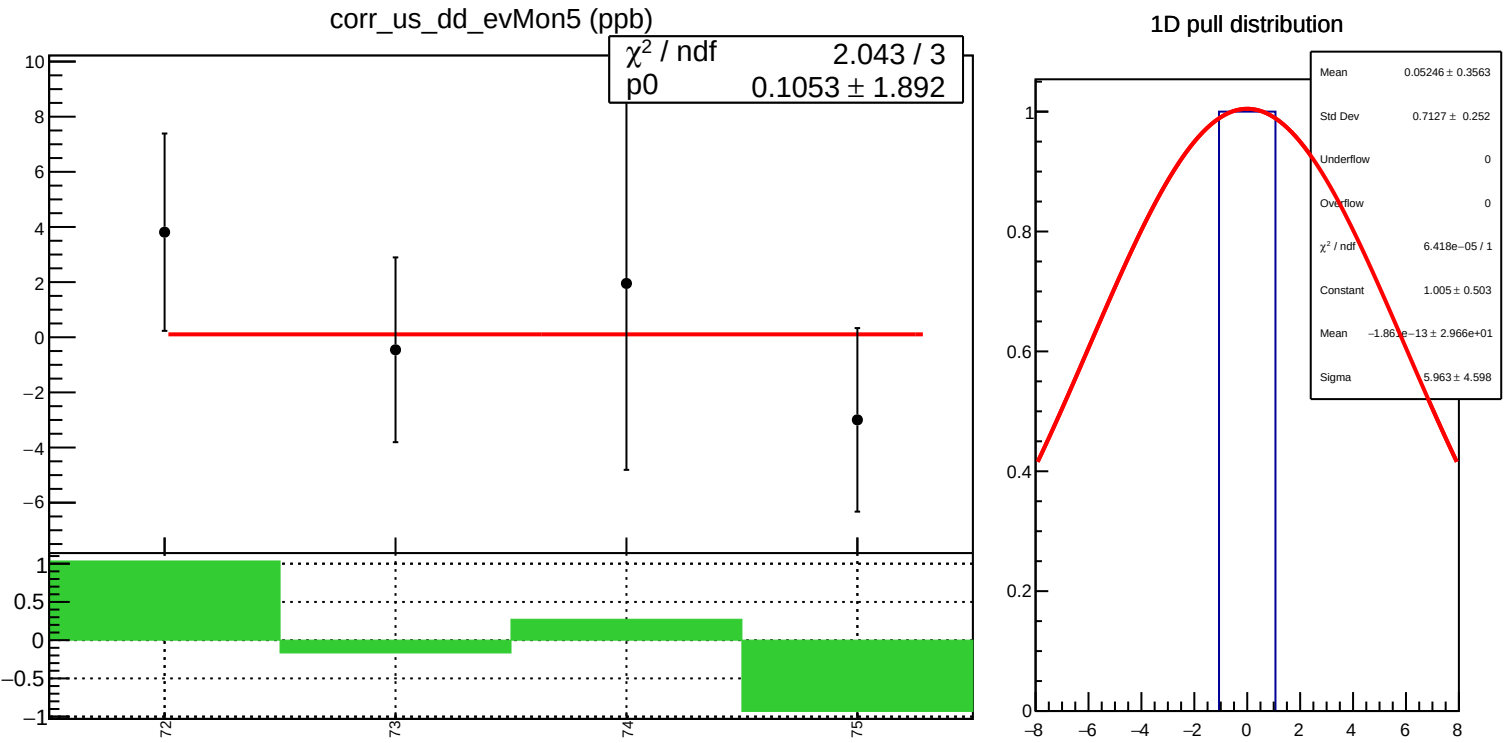
corr_us_dd_evMon3 RMS (ppm)

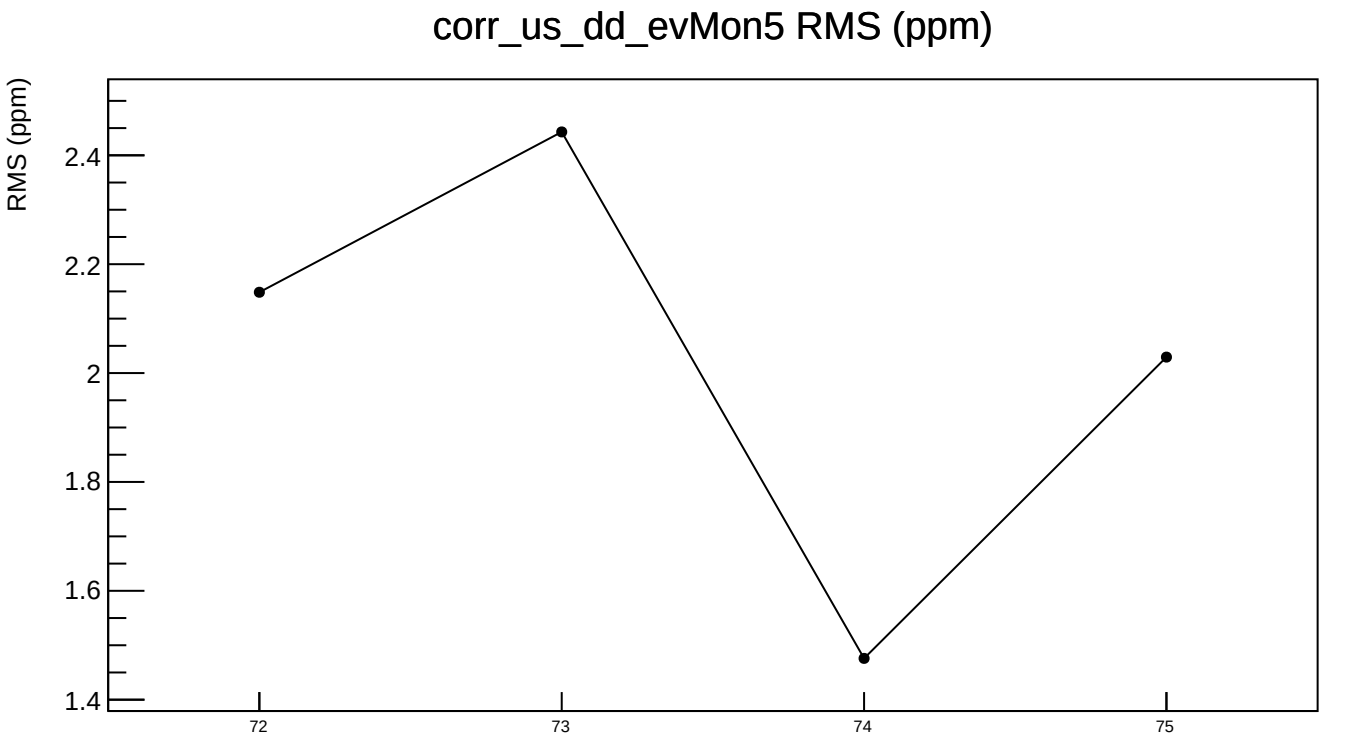


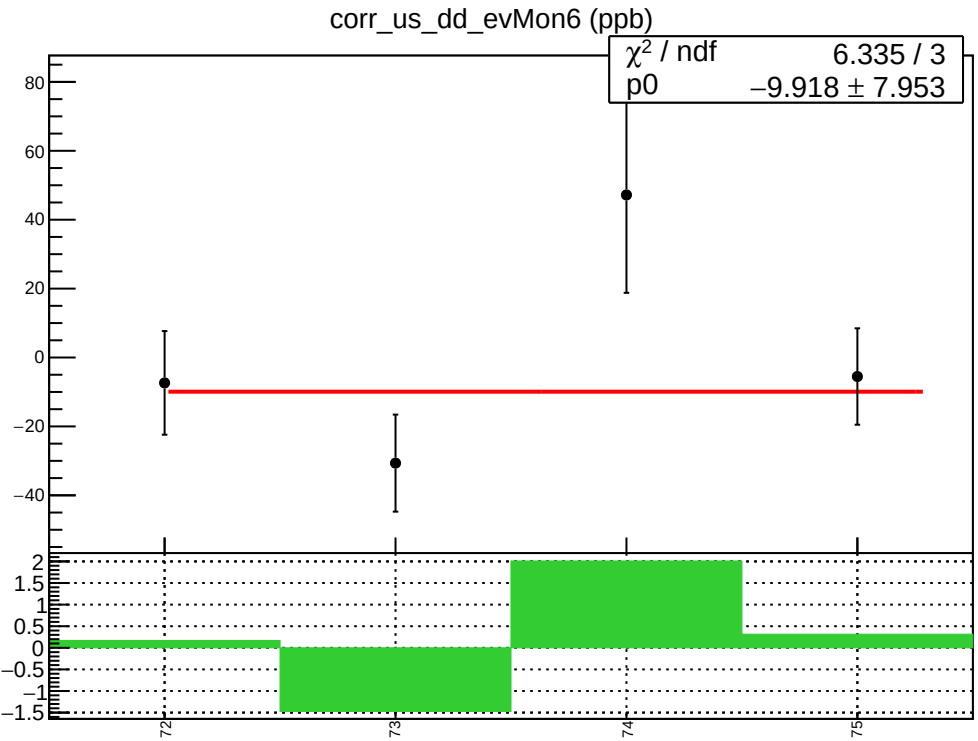

corr_us_dd_evMon4 (ppb)
χ² / ndf 0.633 / 3
p0 −4.2 ± 8.909
50
40
30
20
10
0
−10
−20
−30
0.6
0.4
0.2
0
−0.2
−0.4
72
73
74
75

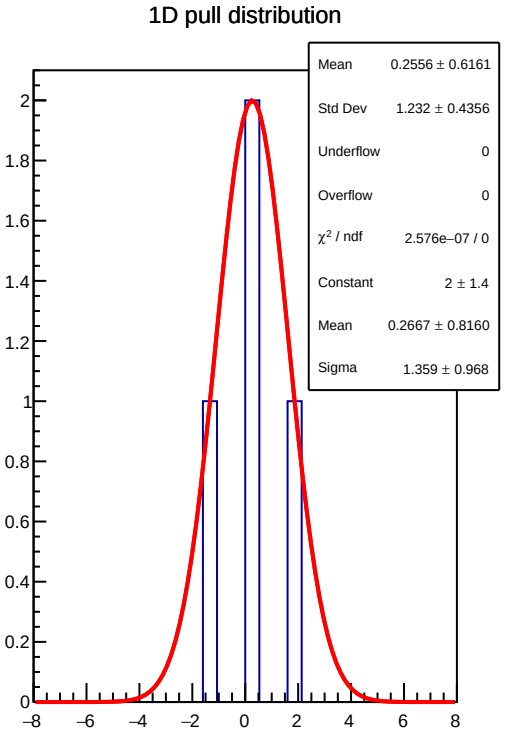

1D pull distribution
Mean 0.08421 ± 0.1944
Std Dev 0.3888 ± 0.1375
Underflow 0
Overflow 0
χ² / ndf 0.1015 / 0
Constant 325 ± 6115.5
Mean −14.45 ± 28.14
Sigma 4.41 ± 4.39
100
80
60
40
20
0
−8
−6
−4
−2
0
2
4
6
8

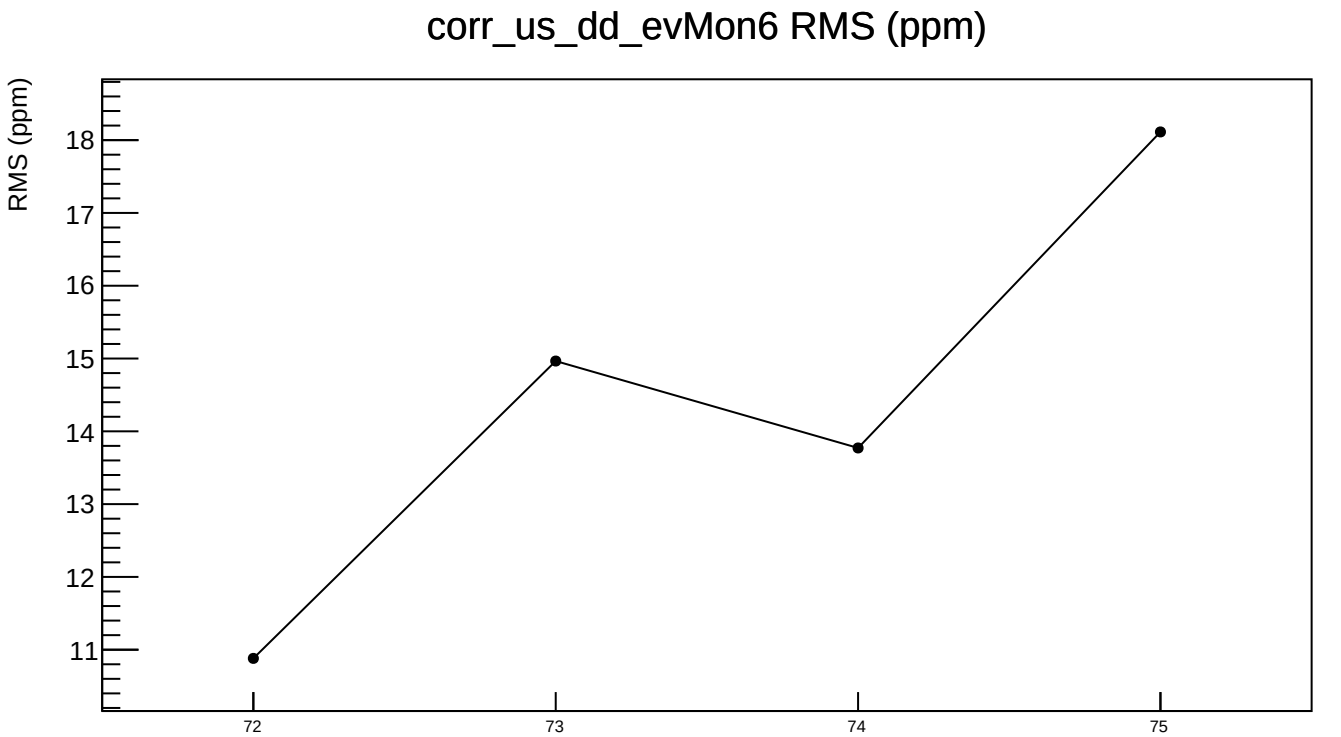

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
10
9
8
7
6
5
4
72
73
74
75

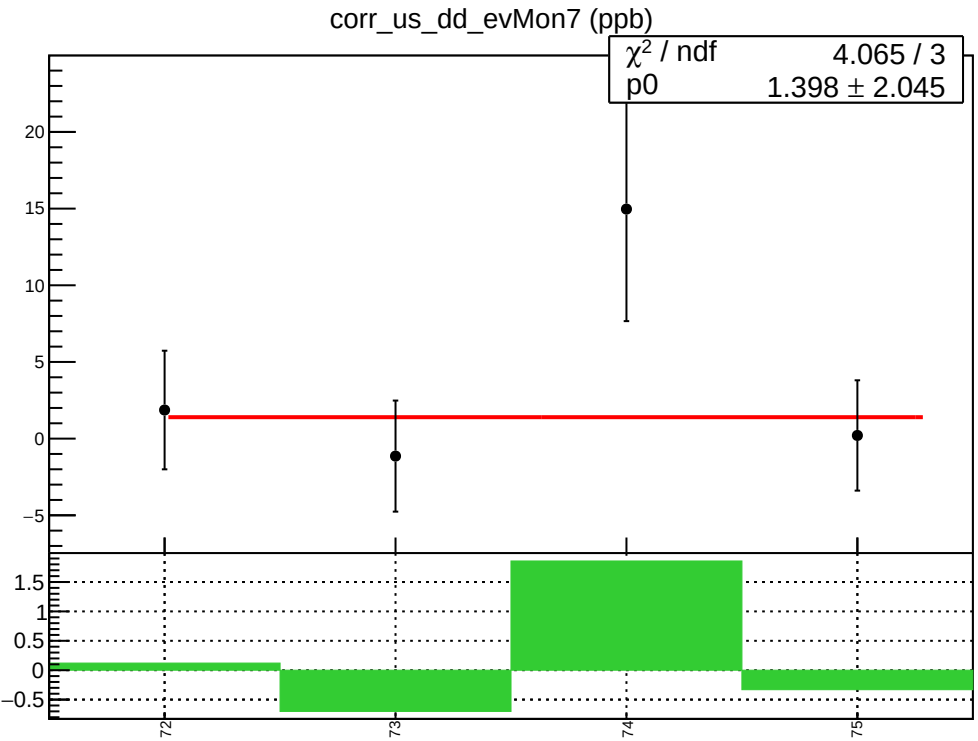

corr_us_dd_evMon5 (ppb)
χ² / ndf 2.043 / 3
p0 0.1053 ± 1.892
1D pull distribution
Mean 0.05246 ± 0.3563
Std Dev 0.7127 ± 0.252
Underflow 0
Overflow 0
χ² / ndf 6.418e−05 / 1
Constant 1.005 ± 0.503
Mean −1.861e−13 ± 2.966e+01
Sigma 5.963 ± 4.598

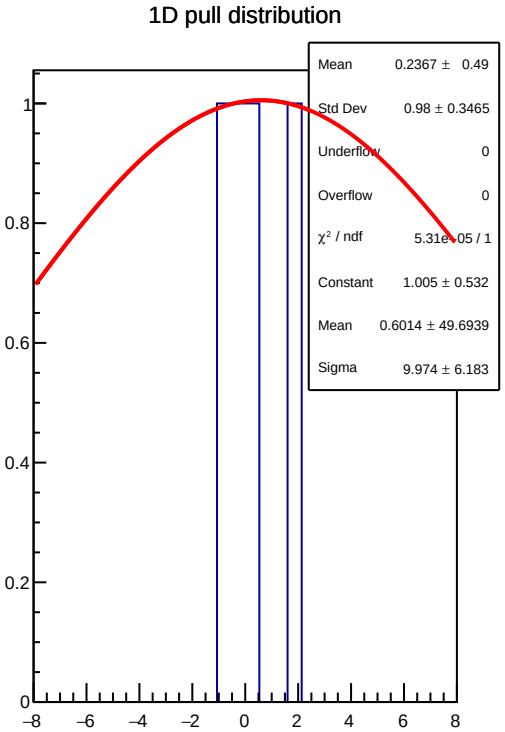

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
2.4
2.2
2
1.8
1.6
1.4
72
73
74
75

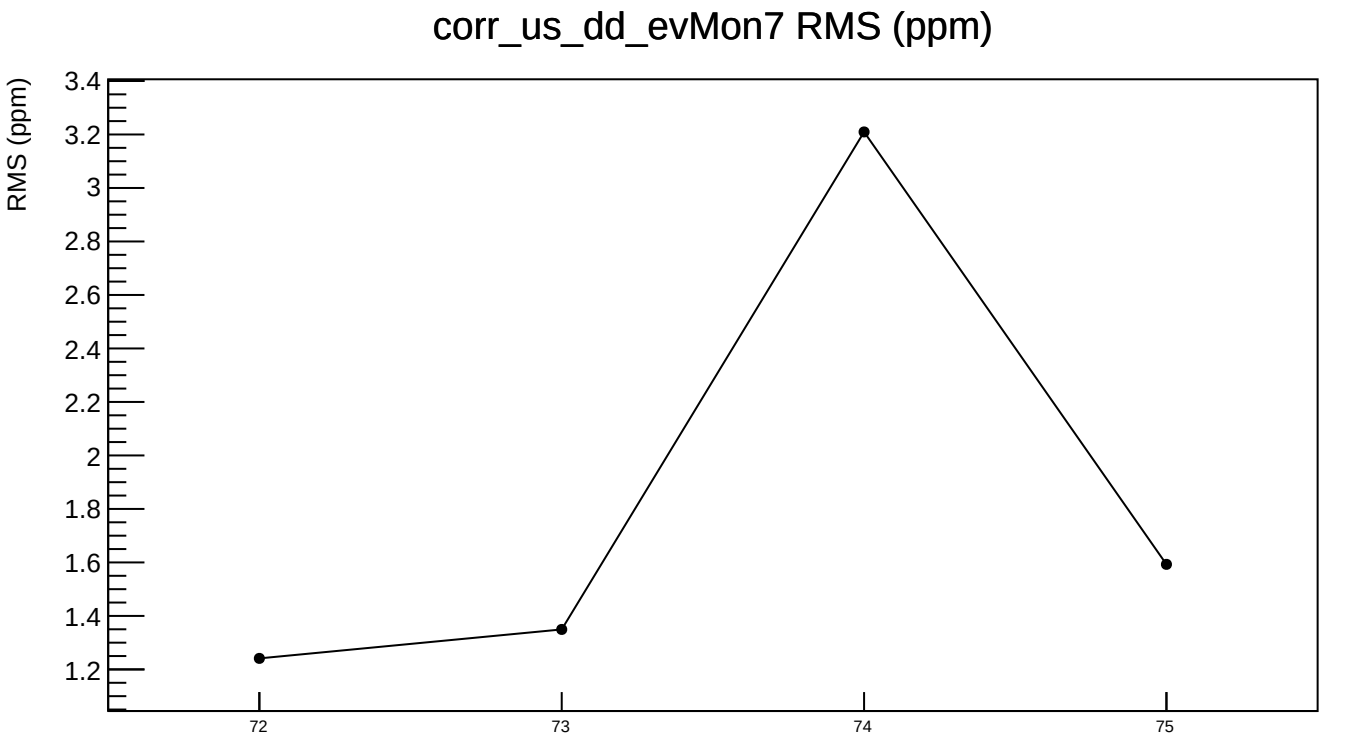

corr_us_dd_evMon6 (ppb)
χ² / ndf 6.335 / 3
p0 −9.918 ± 7.953
80
60
40
20
0
−20
−40
2
1.5
1
0.5
0
−0.5
−1
−1.5
72
73
74
75

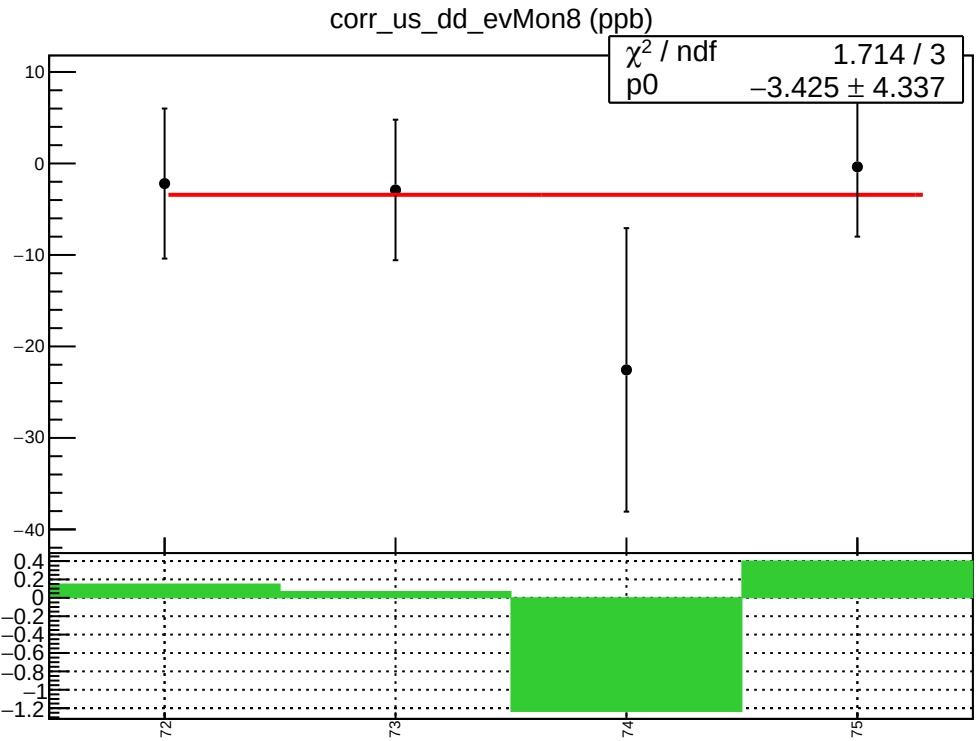

1D pull distribution
Mean 0.2556 ± 0.6161
Std Dev 1.232 ± 0.4356
Underflow 0
Overflow 0
χ² / ndf 2.576e−07 / 0
Constant 2 ± 1.4
Mean 0.2667 ± 0.8160
Sigma 1.359 ± 0.968
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

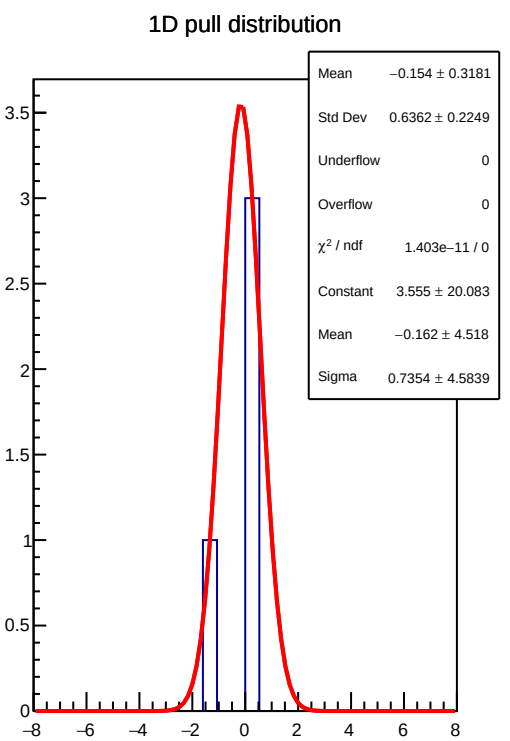

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
18
17
16
15
14
13
12
11
72
73
74
75

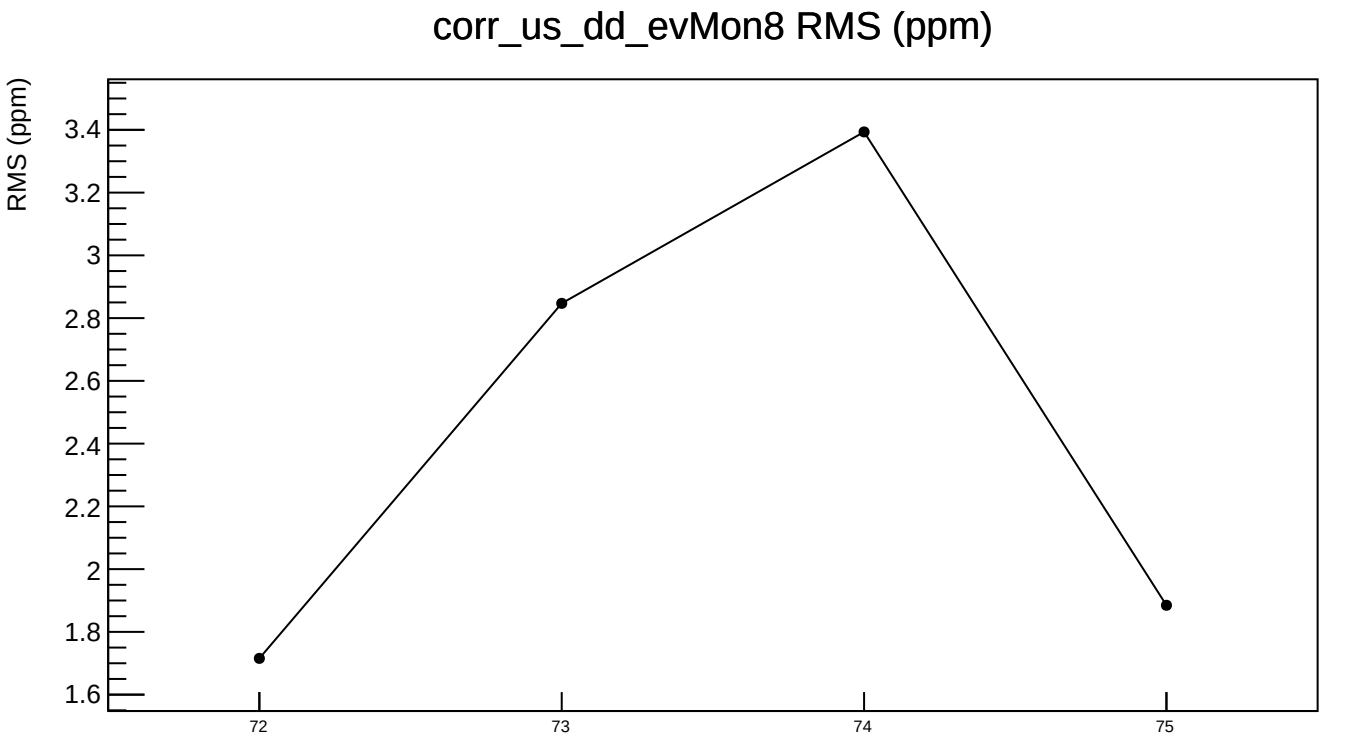

corr_us_dd_evMon7 (ppb)
χ² / ndf 4.065 / 3
p0 1.398 ± 2.045
20
15
10
5
0
−5
1.5
1
0.5
0
−0.5
72
73
74
75

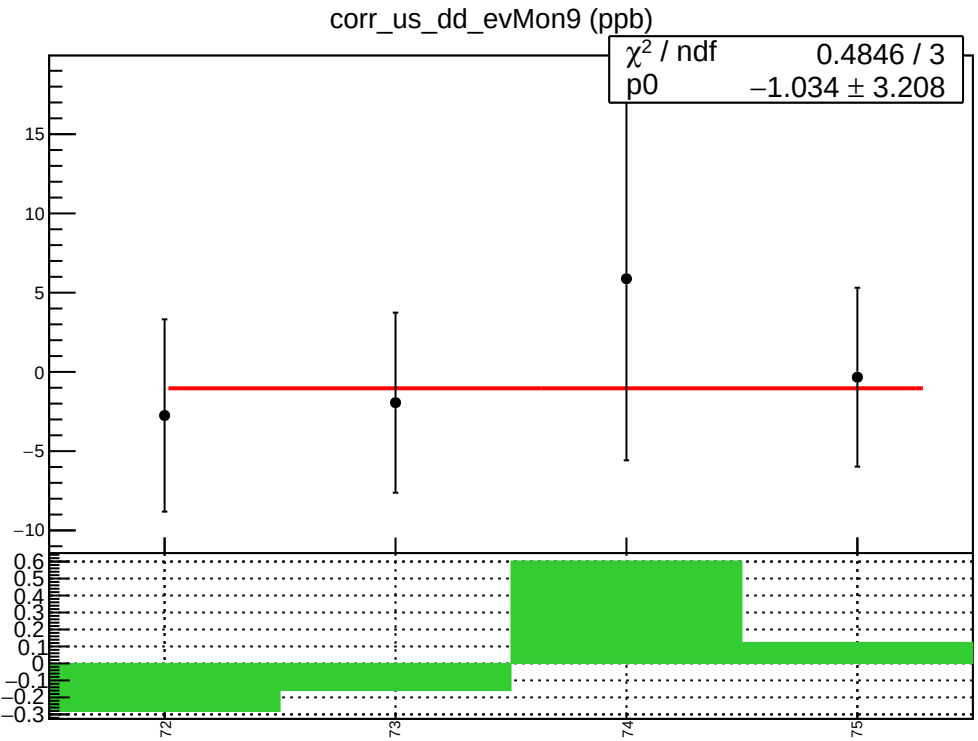

1D pull distribution
Mean 0.2367 ± 0.49
Std Dev 0.98 ± 0.3465
Underflow 0
Overflow 0
χ² / ndf 5.31e-05 / 1
Constant 1.005 ± 0.532
Mean 0.6014 ± 49.6939
Sigma 9.974 ± 6.183
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

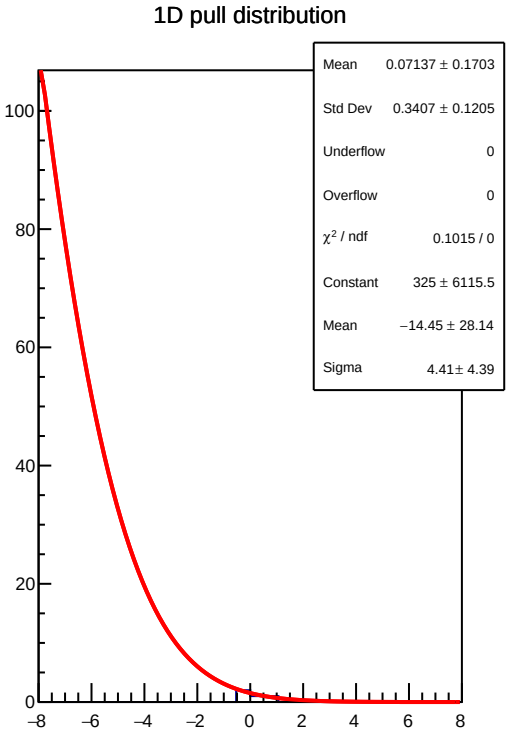

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
72
73
74
75

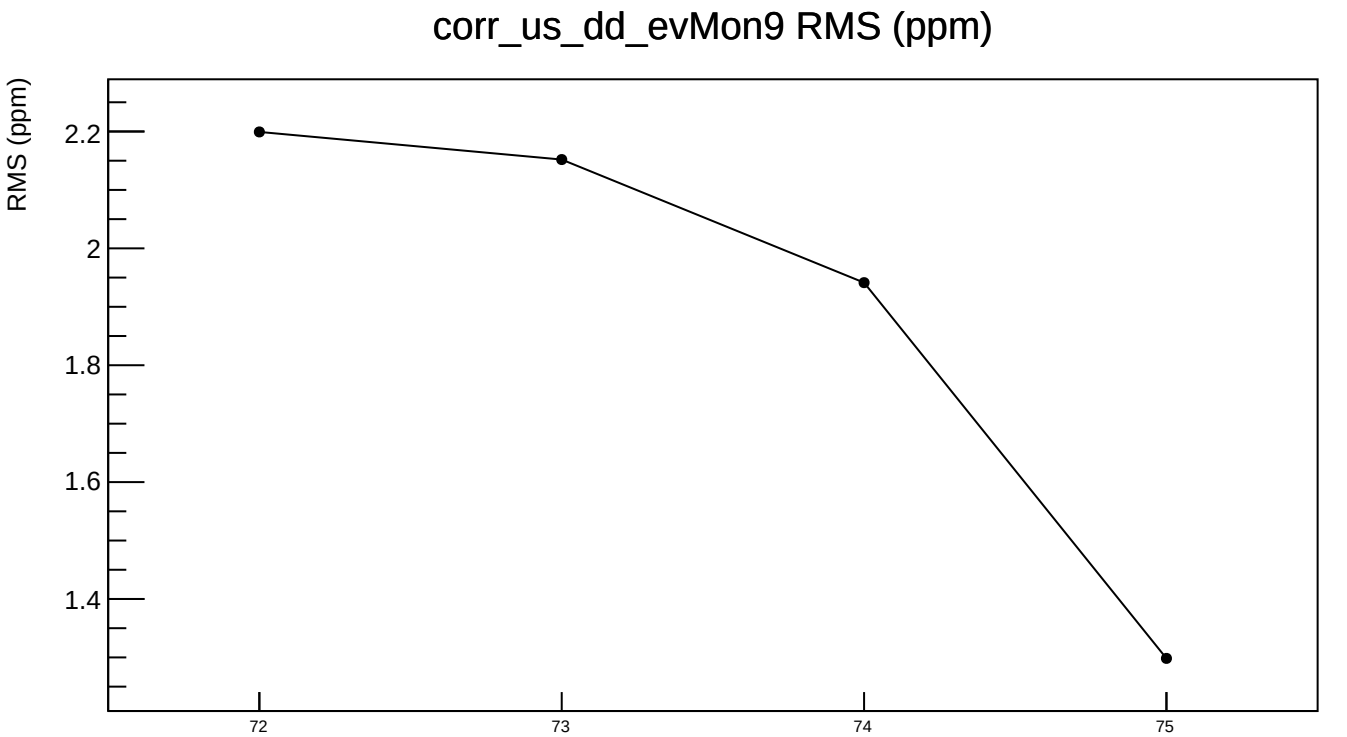

corr_us_dd_evMon8 (ppb)
χ^2 / ndf 1.714 / 3
p0 −3.425 ± 4.337
10
0
−10
−20
−30
−40
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
72
73
74
75

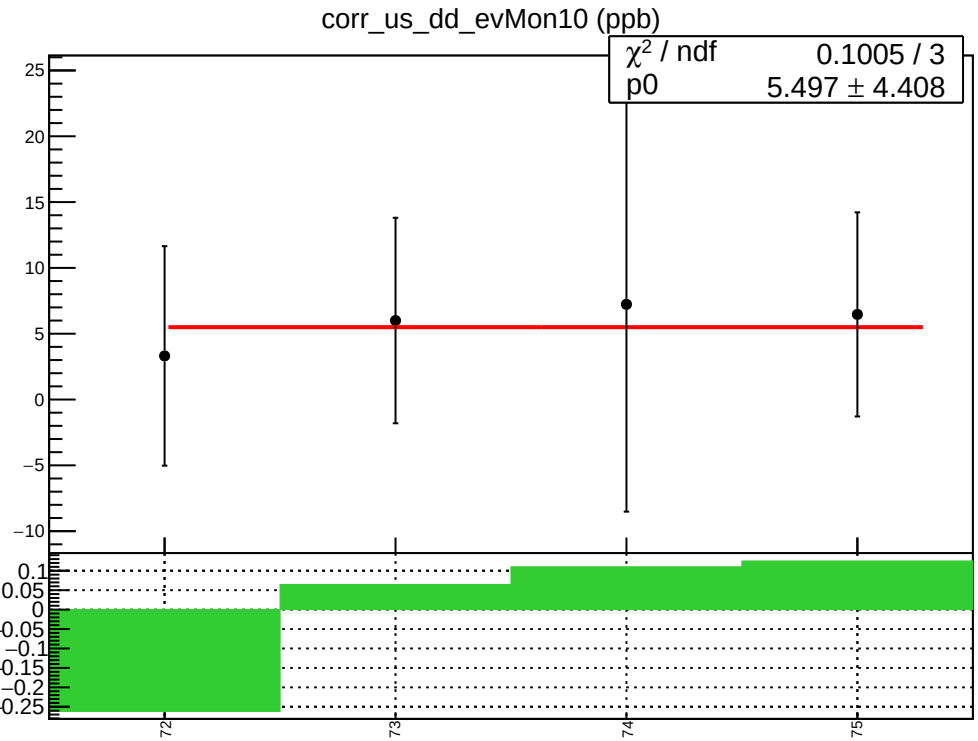

1D pull distribution
Mean −0.154 ± 0.3181
Std Dev 0.6362 ± 0.2249
Underflow 0
Overflow 0
χ^2 / ndf 1.403e−11 / 0
Constant 3.555 ± 20.083
Mean −0.162 ± 4.518
Sigma 0.7354 ± 4.5839
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

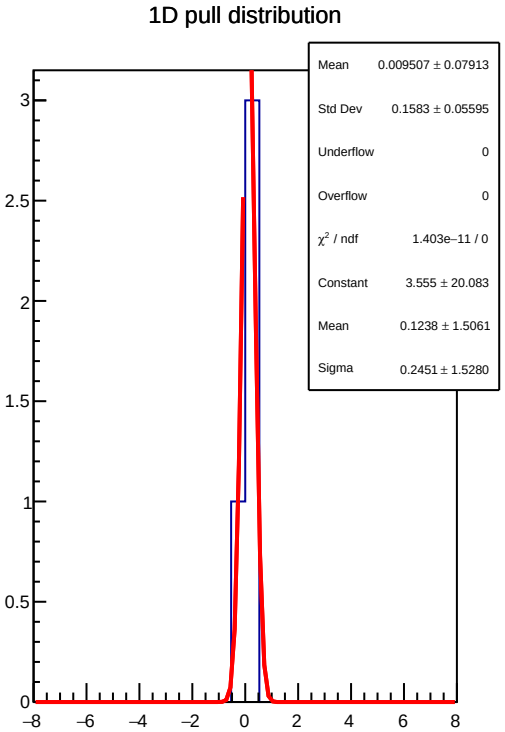

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
72
73
74
75

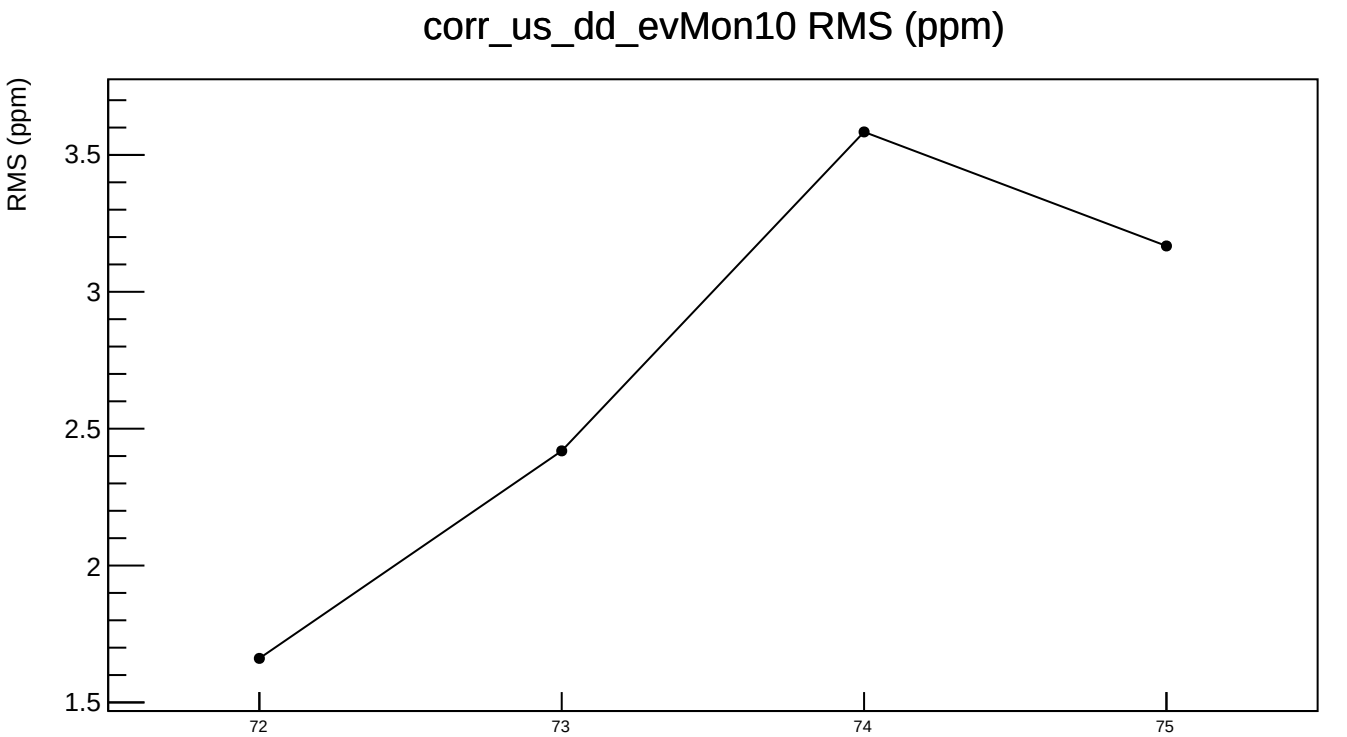

corr_us_dd_evMon9 (ppb)
χ² / ndf 0.4846 / 3
p0 −1.034 ± 3.208
15
10
5
0
−5
−10
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
72
73
74
75

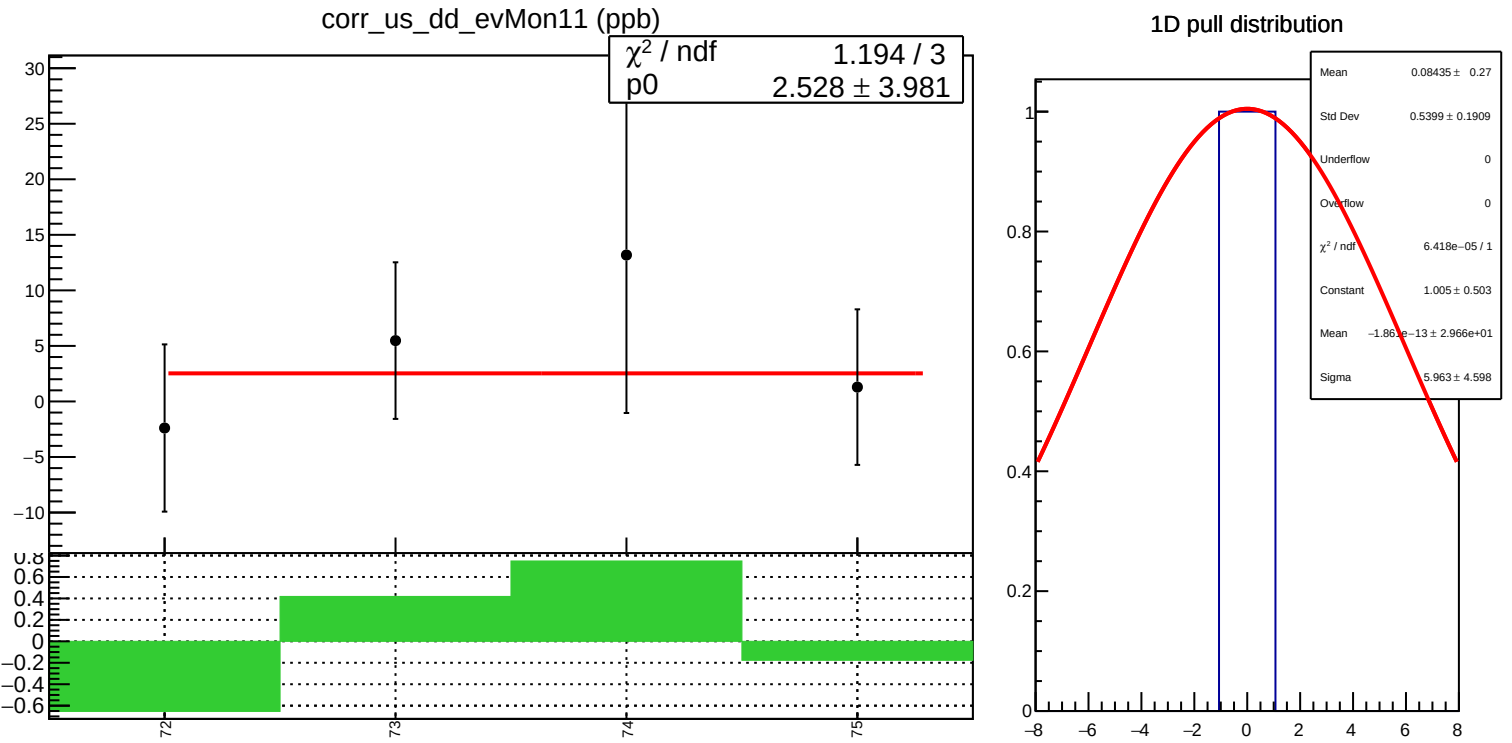

1D pull distribution
Mean 0.07137 ± 0.1703
Std Dev 0.3407 ± 0.1205
Underflow 0
Overflow 0
χ² / ndf 0.1015 / 0
Constant 325 ± 6115.5
Mean −14.45 ± 28.14
Sigma 4.41± 4.39
100
80
60
40
20
0
−8
−6
−4
−2
0
2
4
6
8

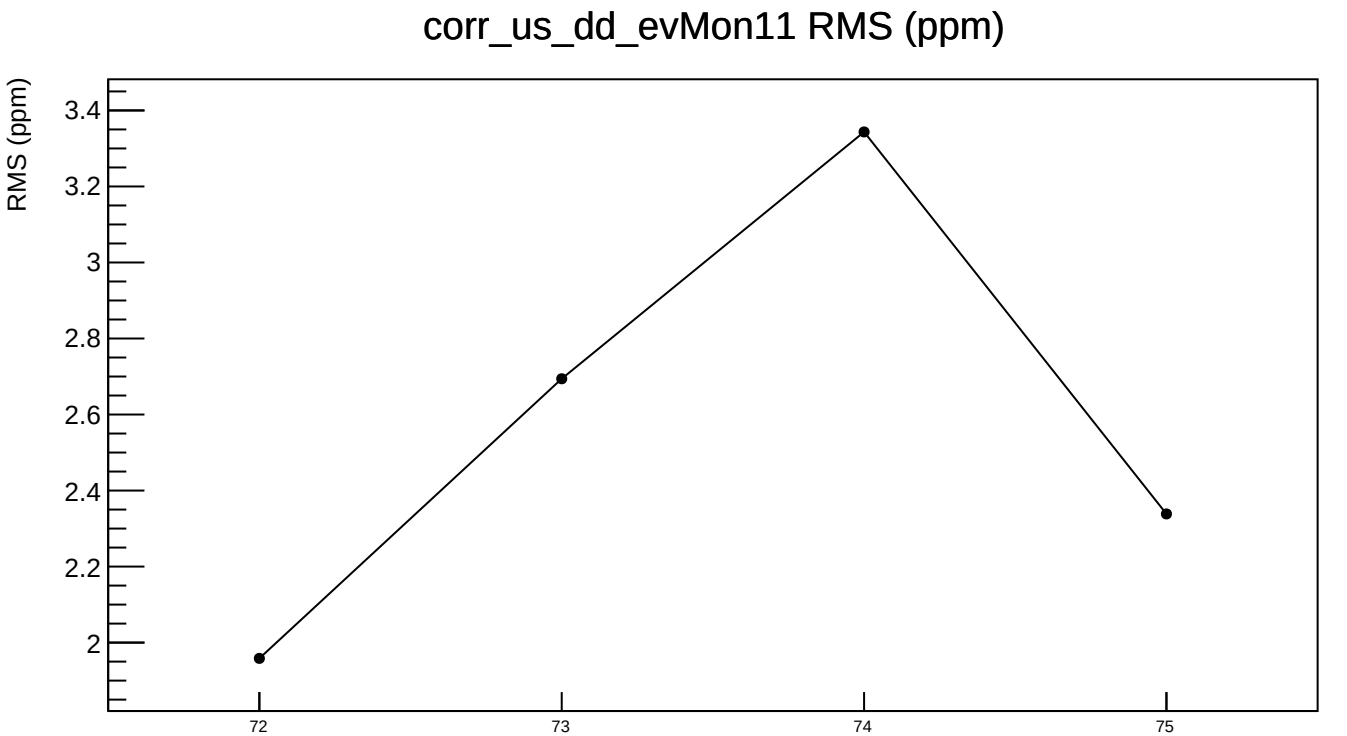

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
2.2
2
1.8
1.6
1.4
72
73
74
75

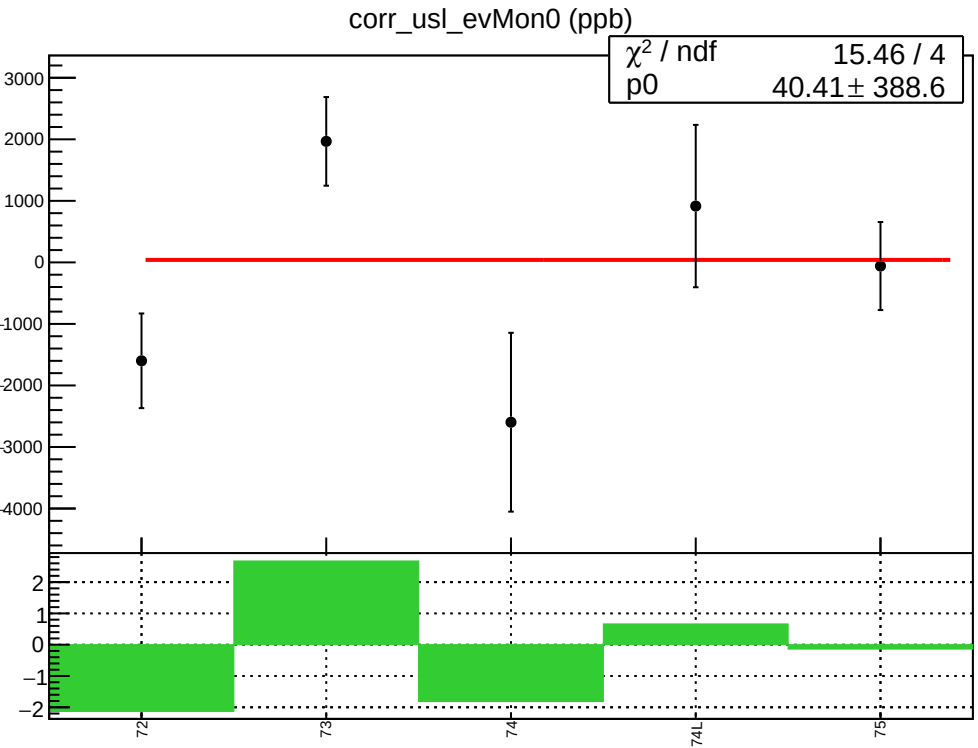

corr_us_dd_evMon10 (ppb)
χ² / ndf 0.1005 / 3
p0 5.497 ± 4.408
25
20
15
10
5
0
−5
−10
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
72
73
74
75

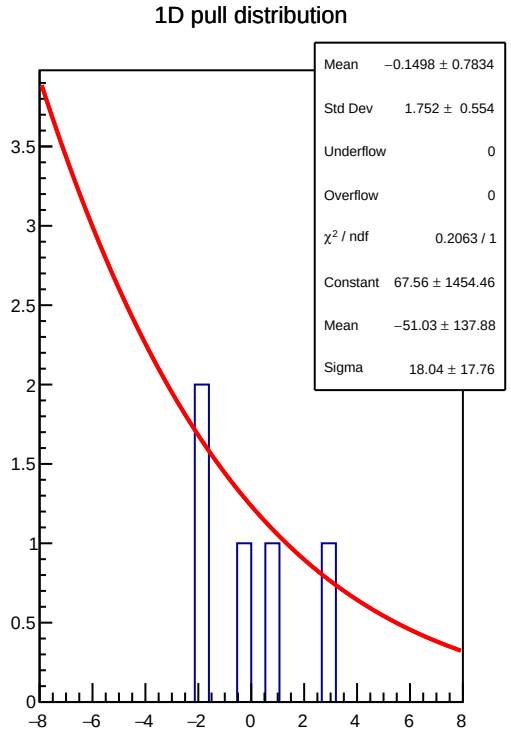

1D pull distribution
Mean 0.009507 ± 0.07913
Std Dev 0.1583 ± 0.05595
Underflow 0
Overflow 0
χ² / ndf 1.403e−11 / 0
Constant 3.555 ± 20.083
Mean 0.1238 ± 1.5061
Sigma 0.2451 ± 1.5280
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
72
73
74
75

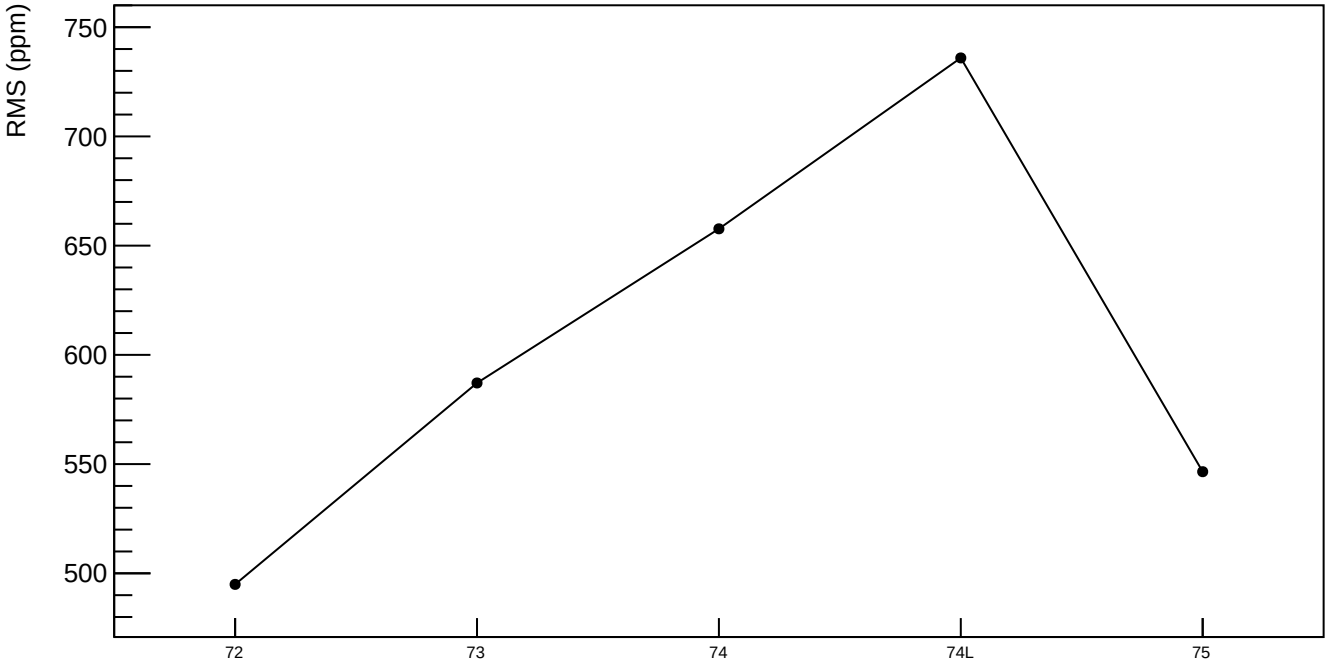

corr_us_dd_evMon11 (ppb)
χ² / ndf 1.194 / 3
p0 2.528 ± 3.981
1D pull distribution
Mean 0.08435 ± 0.27
Std Dev 0.5399 ± 0.1909
Underflow 0
Overflow 0
χ² / ndf 6.418e−05 / 1
Constant 1.005 ± 0.503
Mean −1.861e−13 ± 2.966e+01
Sigma 5.963 ± 4.598

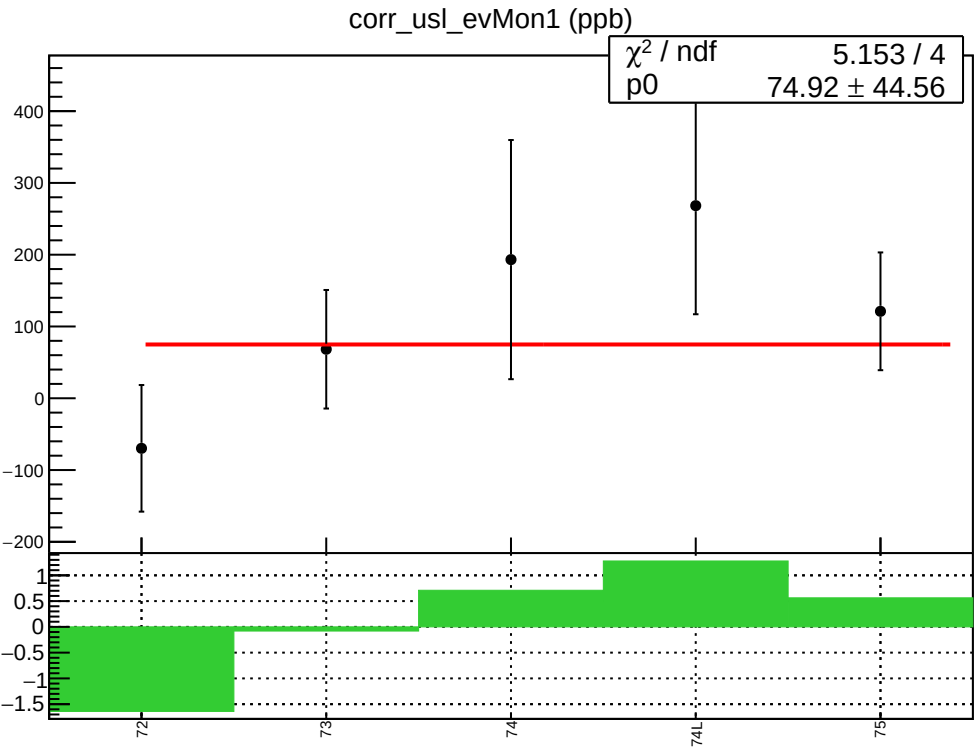

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
3.4
3.2
3
2.8
2.6
2.4
2.2
2
72
73
74
75

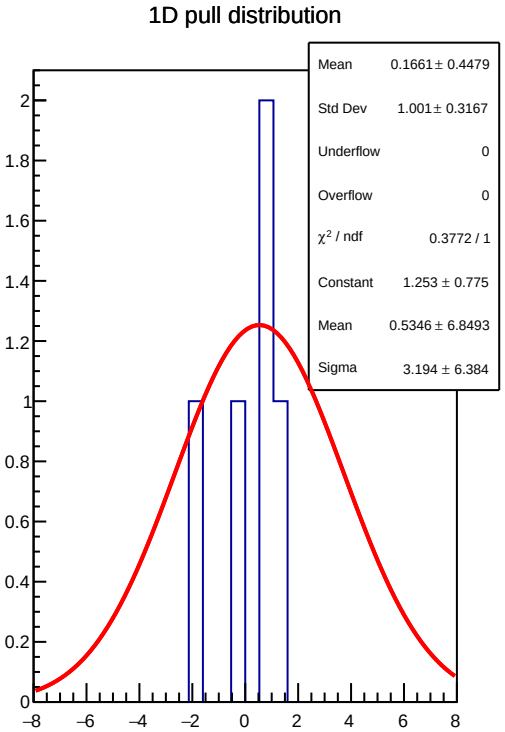

corr_usl_evMon0 (ppb)
χ² / ndf 15.46 / 4
p0 40.41 ± 388.6
3000
2000
1000
0
-1000
-2000
-3000
-4000
2
1
0
−1
−2
72
73
74
74L
75


1D pull distribution
Mean −0.1498 ± 0.7834
Std Dev 1.752 ± 0.554
Underflow 0
Overflow 0
χ² / ndf 0.2063 / 1
Constant 67.56 ± 1454.46
Mean −51.03 ± 137.88
Sigma 18.04 ± 17.76
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

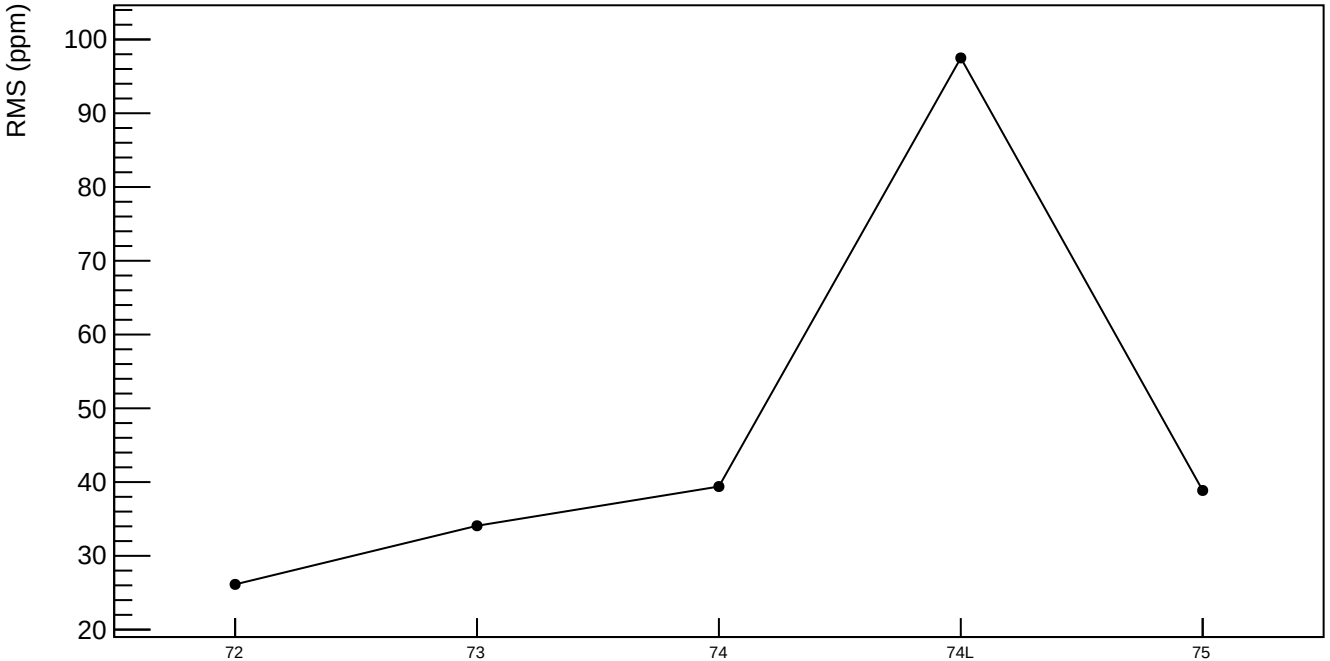
corr_usl_evMon0 RMS (ppm)

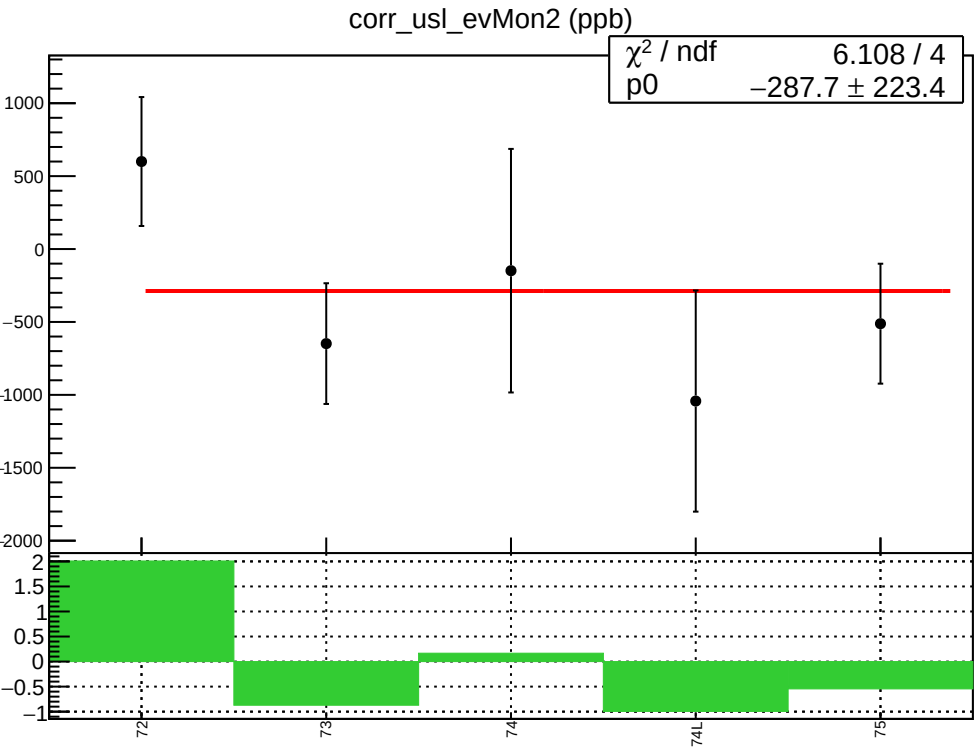


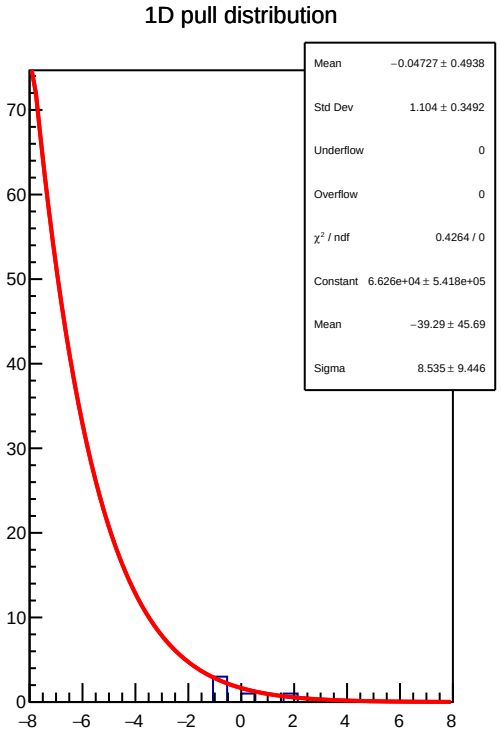

corr_usl_evMon1 (ppb)
χ² / ndf 5.153 / 4
p0 74.92 ± 44.56
400
300
200
100
0
−100
−200
1
0.5
0
−0.5
−1
−1.5
72
73
74
74L
75


1D pull distribution
Mean 0.1661 ± 0.4479
Std Dev 1.001 ± 0.3167
Underflow 0
Overflow 0
χ² / ndf 0.3772 / 1
Constant 1.253 ± 0.775
Mean 0.5346 ± 6.8493
Sigma 3.194 ± 6.384
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

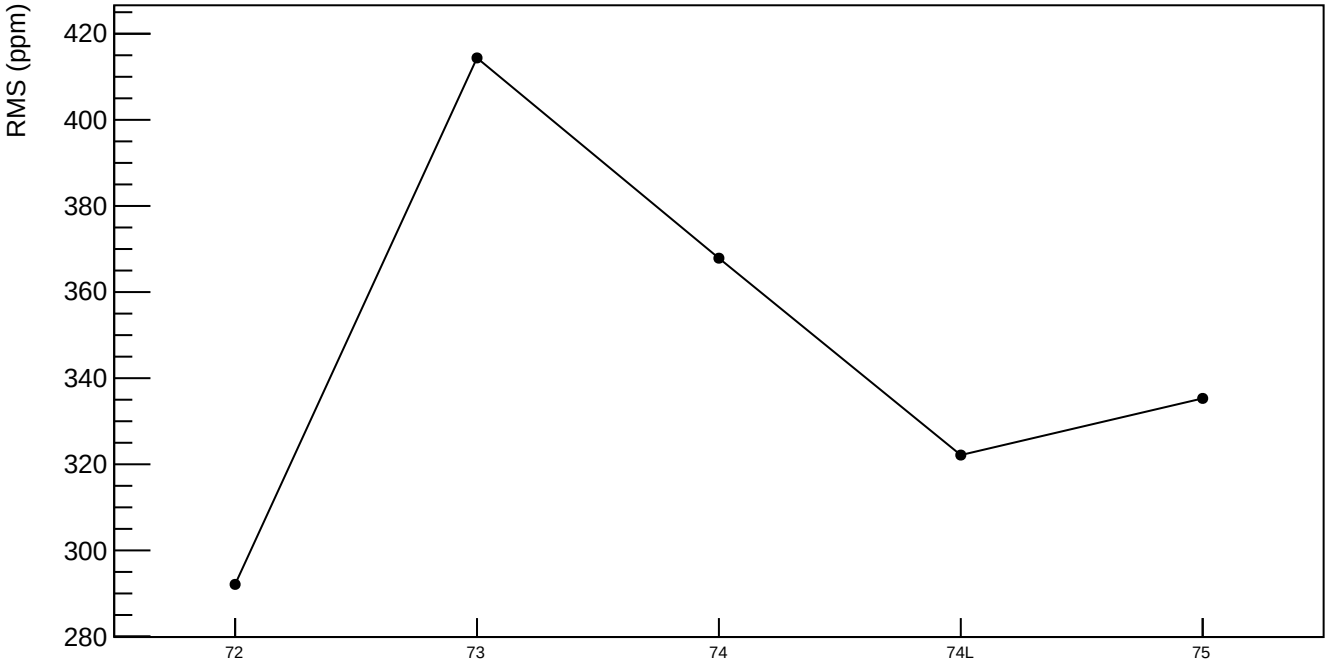
corr_usl_evMon1 RMS (ppm)

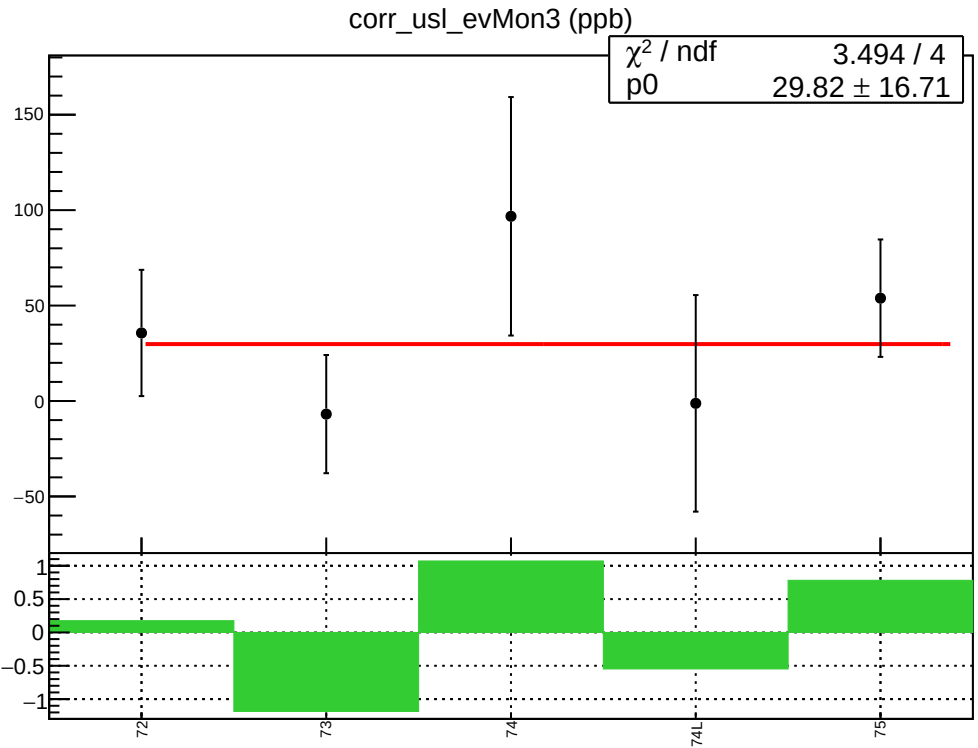


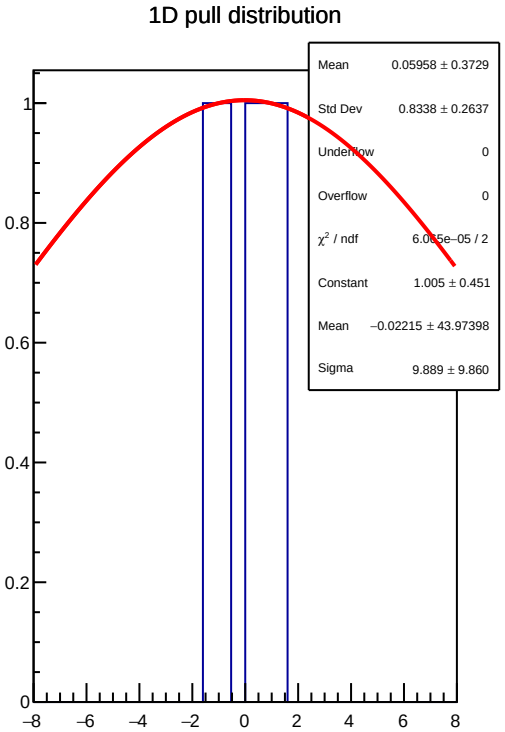

corr_usl_evMon2 (ppb)
χ² / ndf 6.108 / 4
p0 −287.7 ± 223.4
1000
500
0
−500
−1000
−1500
−2000
2
1.5
1
0.5
0
−0.5
−1
72
73
74
74L
75

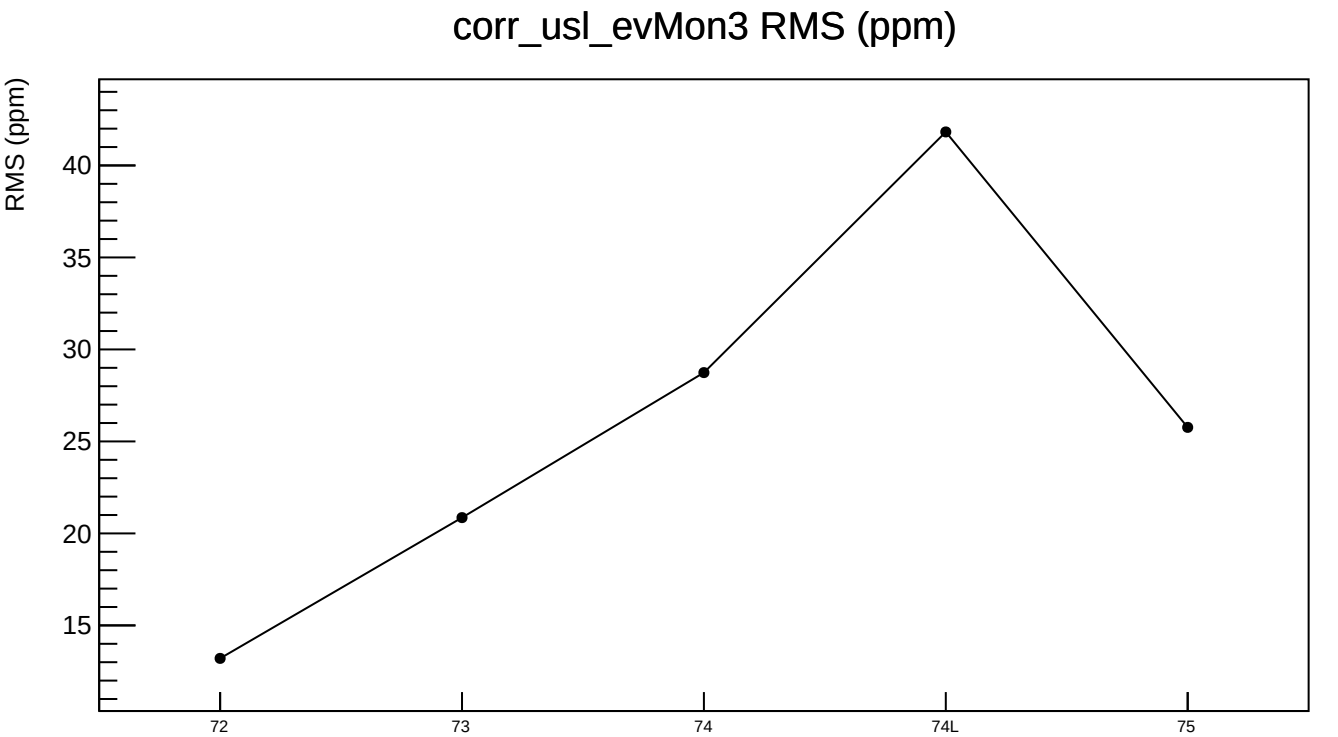

1D pull distribution
Mean −0.04727 ± 0.4938
Std Dev 1.104 ± 0.3492
Underflow 0
Overflow 0
χ² / ndf 0.4264 / 0
Constant 6.626e+04 ± 5.418e+05
Mean −39.29 ± 45.69
Sigma 8.535 ± 9.446
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

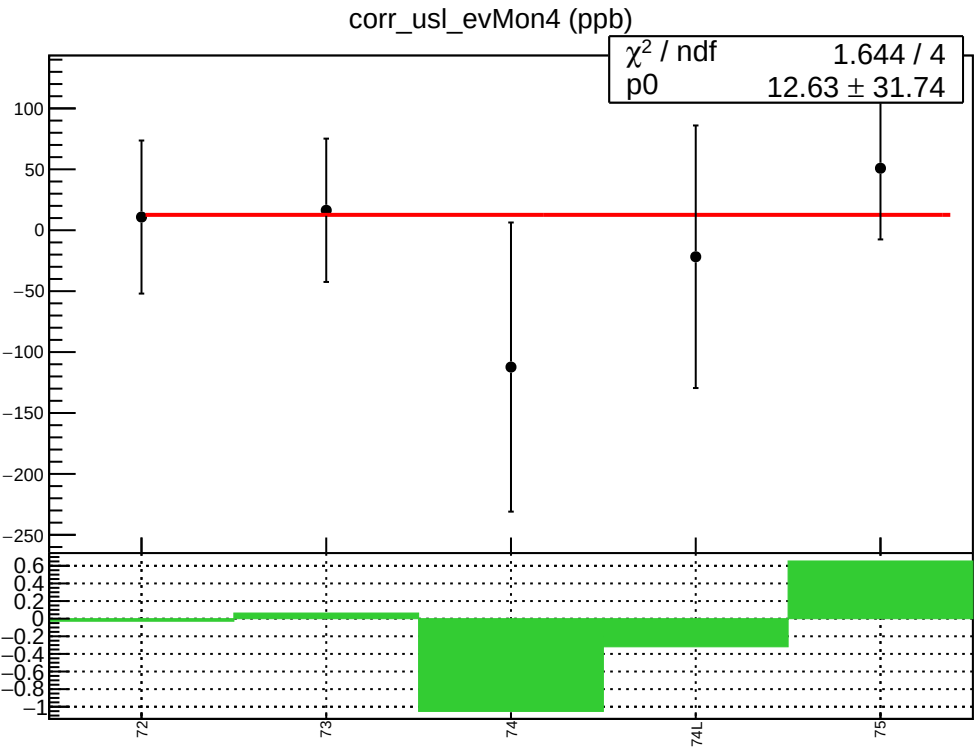
corr_usl_evMon2 RMS (ppm)

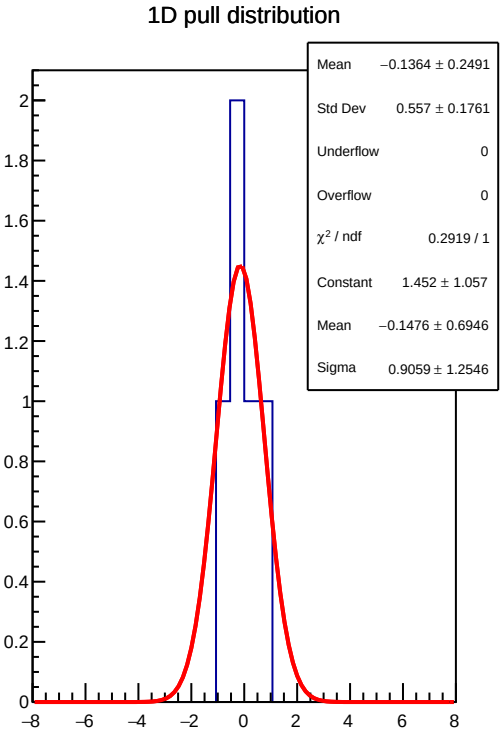



corr_usl_evMon3 (ppb)
χ² / ndf 3.494 / 4
p0 29.82 ± 16.71
150
100
50
0
−50
1
0.5
0
−0.5
−1
72
73
74
74L
75

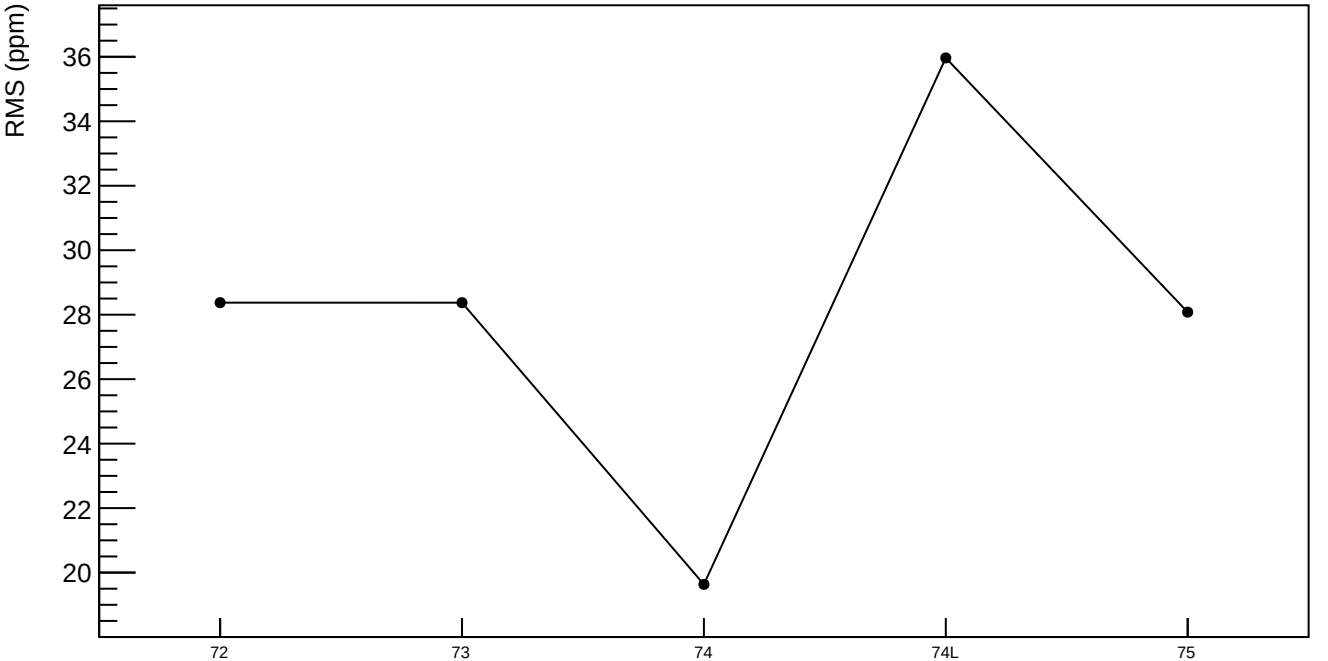

1D pull distribution
Mean 0.05958 ± 0.3729
Std Dev 0.8338 ± 0.2637
Underflow 0
Overflow 0
χ² / ndf 6.065e−05 / 2
Constant 1.005 ± 0.451
Mean −0.02215 ± 43.97398
Sigma 9.889 ± 9.860
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

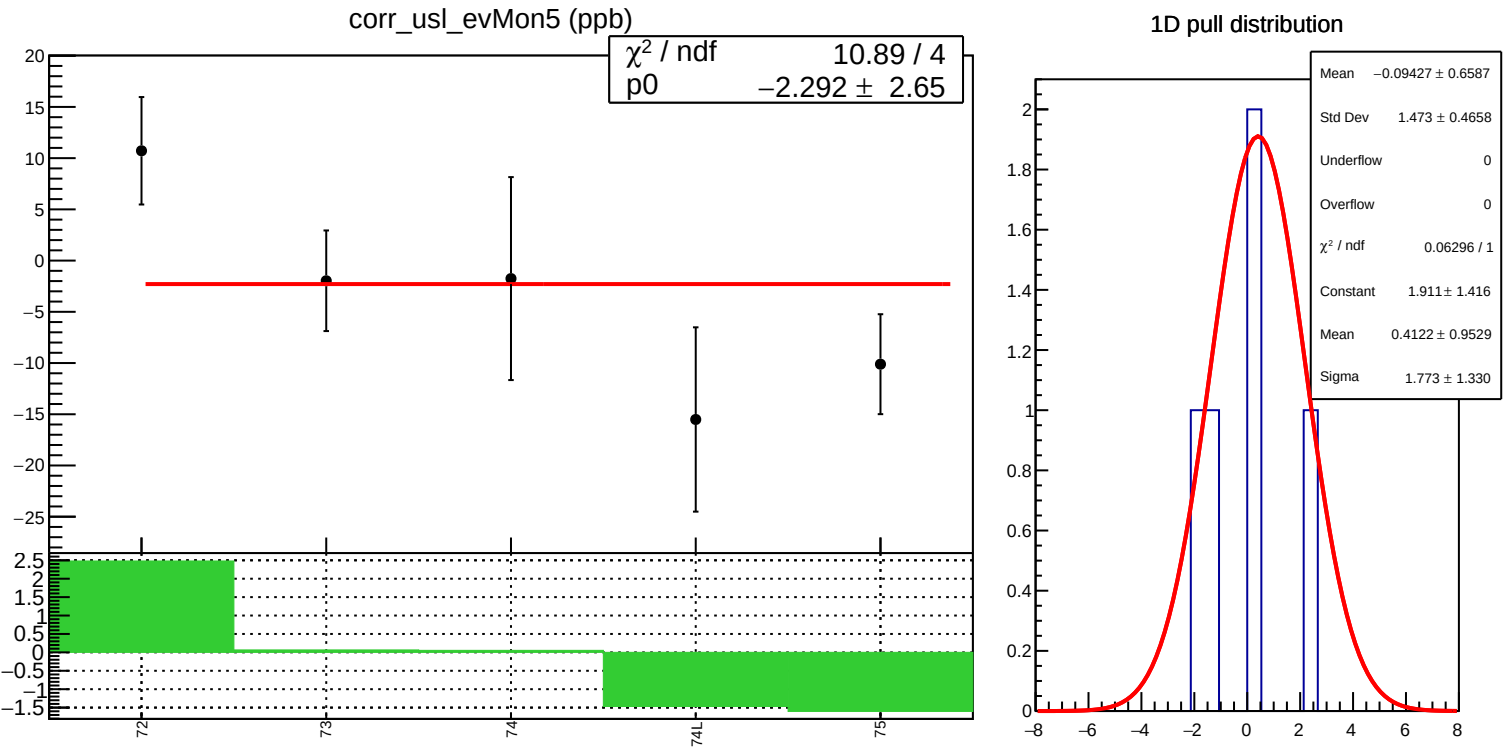

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
40
35
30
25
20
15
72
73
74
74L
75


corr_usl_evMon4 (ppb)
χ² / ndf 1.644 / 4
p0 12.63 ± 31.74
100
50
0
−50
−100
−150
−200
−250
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
72
73
74
74L
75

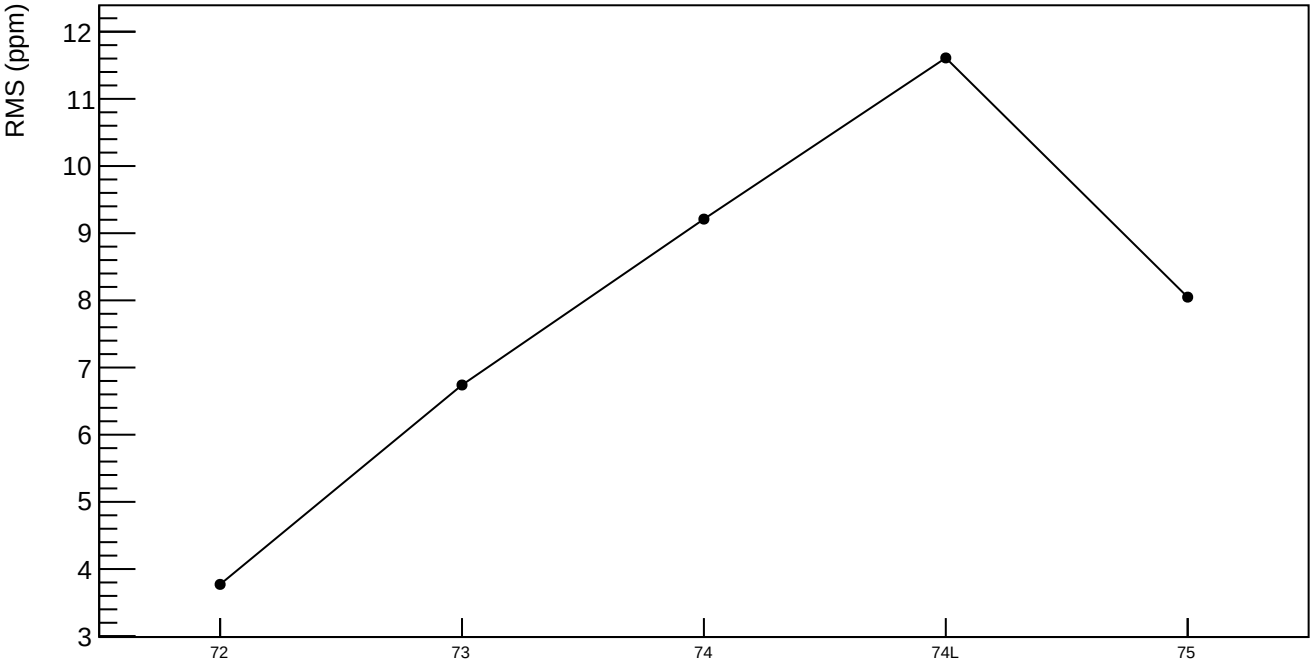

1D pull distribution
Mean −0.1364 ± 0.2491
Std Dev 0.557 ± 0.1761
Underflow 0
Overflow 0
χ² / ndf 0.2919 / 1
Constant 1.452 ± 1.057
Mean −0.1476 ± 0.6946
Sigma 0.9059 ± 1.2546
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

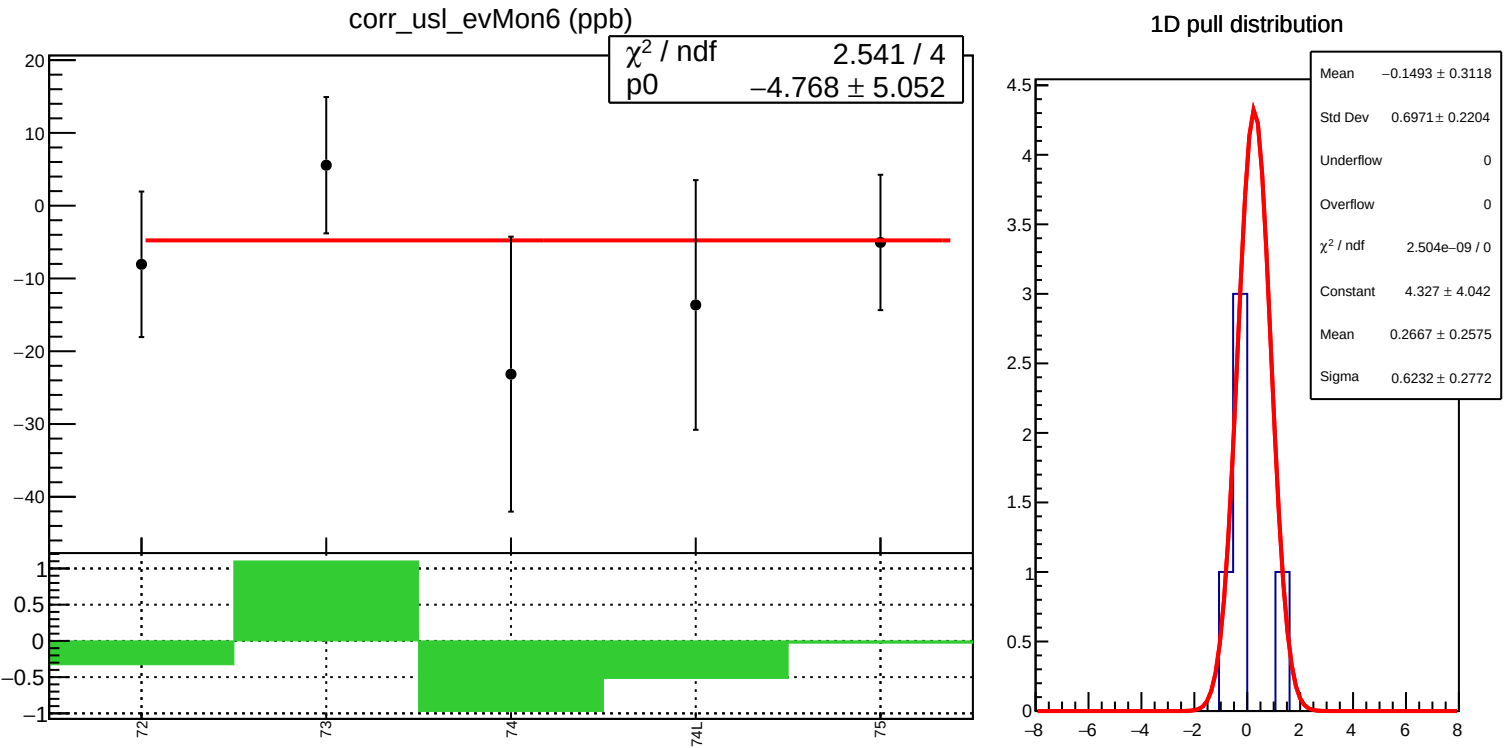
corr_usl_evMon4 RMS (ppm)



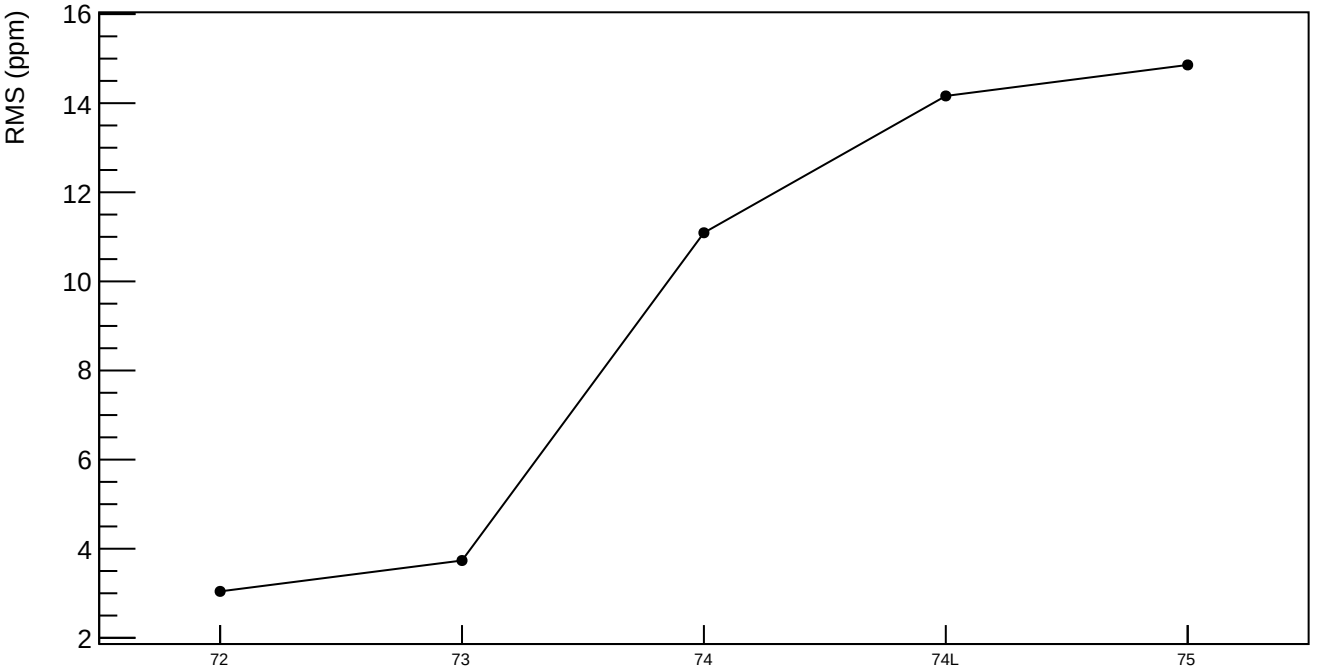

corr_usl_evMon5 (ppb)
χ² / ndf 10.89 / 4
p0 −2.292 ± 2.65
72
73
74
74L
75
1D pull distribution
Mean −0.09427 ± 0.6587
Std Dev 1.473 ± 0.4658
Underflow 0
Overflow 0
χ² / ndf 0.06296 / 1
Constant 1.911 ± 1.416
Mean 0.4122 ± 0.9529
Sigma 1.773 ± 1.330

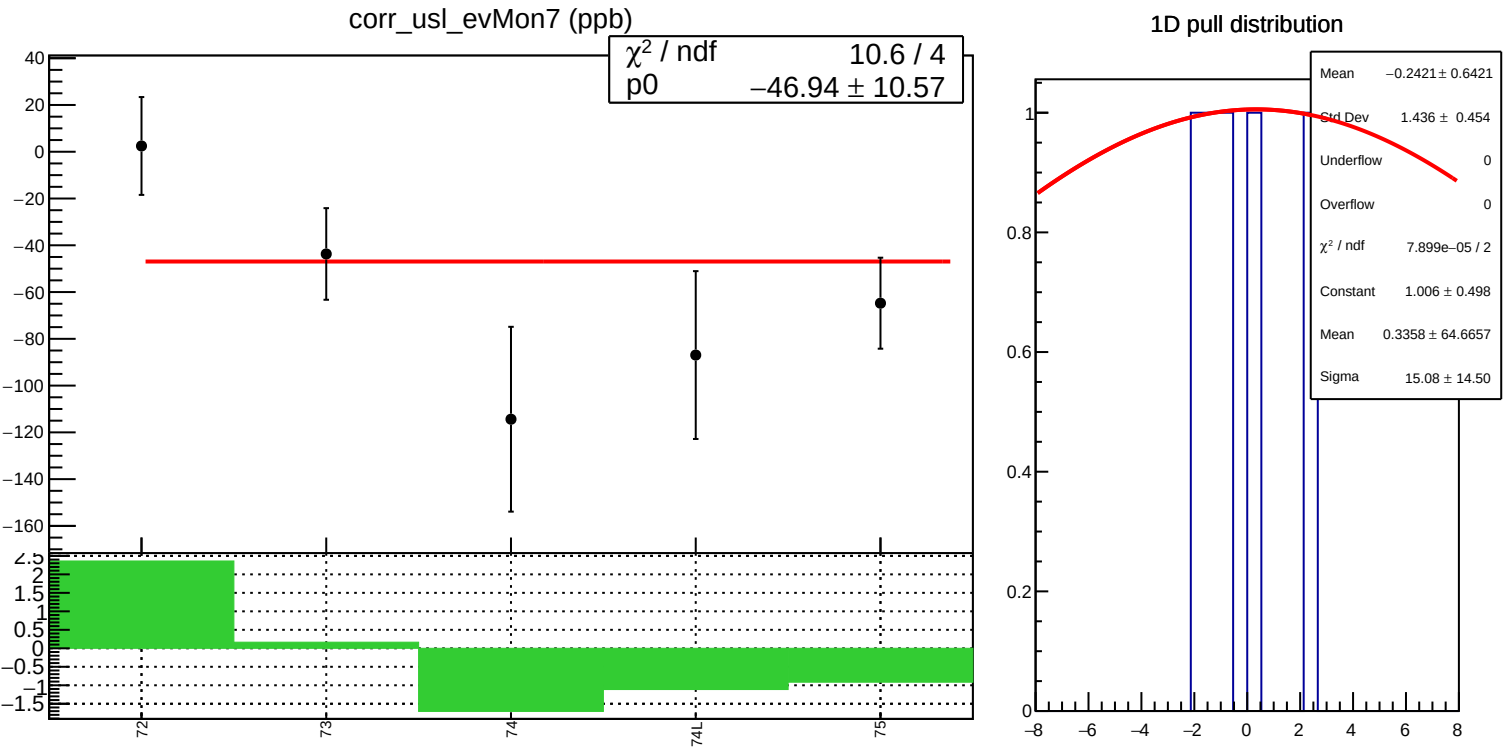
corr_usl_evMon5 RMS (ppm)



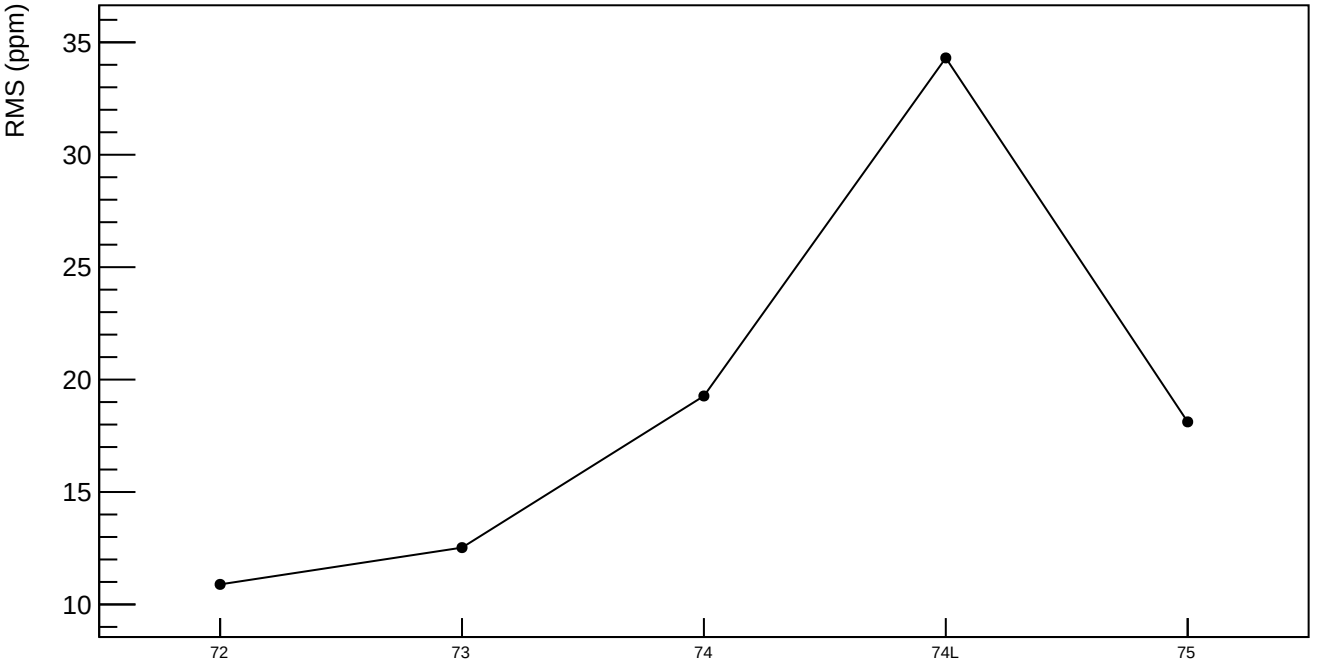

corr_usl_evMon6 (ppb)
χ² / ndf 2.541 / 4
p0 −4.768 ± 5.052
72
73
74
74L
75
1D pull distribution
Mean −0.1493 ± 0.3118
Std Dev 0.6971 ± 0.2204
Underflow 0
Overflow 0
χ² / ndf 2.504e−09 / 0
Constant 4.327 ± 4.042
Mean 0.2667 ± 0.2575
Sigma 0.6232 ± 0.2772

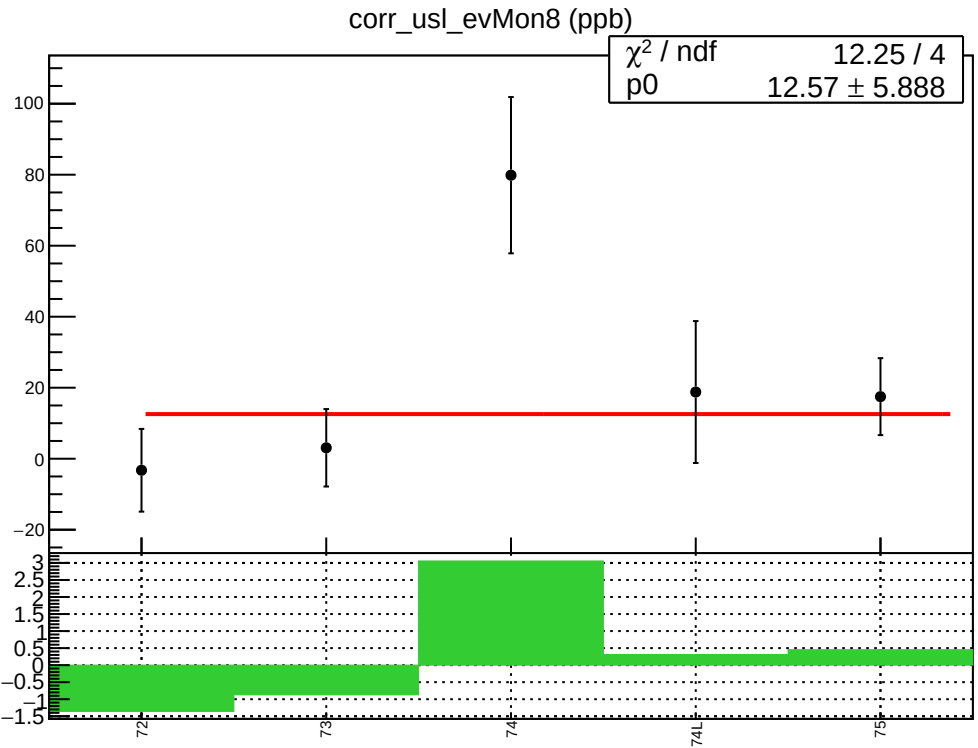
corr_usl_evMon6 RMS (ppm)

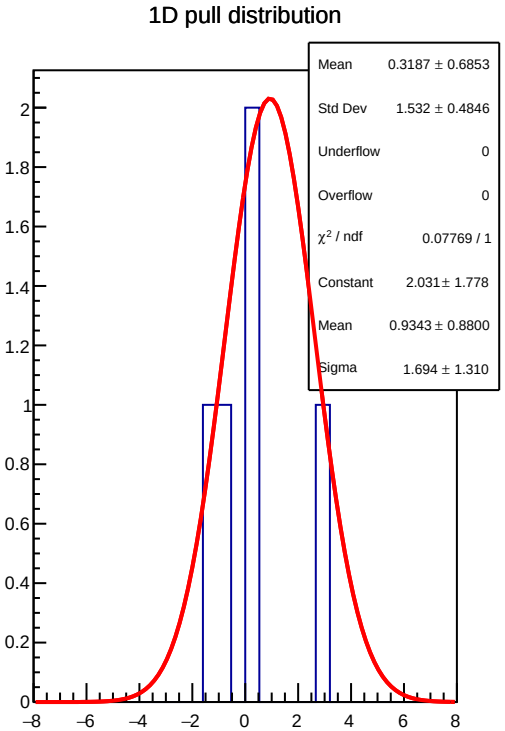



corr_usl_evMon7 (ppb)
χ² / ndf 10.6 / 4
p0 −46.94 ± 10.57
72
73
74
74L
75
1D pull distribution
Mean −0.2421 ± 0.6421
Std Dev 1.436 ± 0.454
Underflow 0
Overflow 0
χ² / ndf 7.899e−05 / 2
Constant 1.006 ± 0.498
Mean 0.3358 ± 64.6657
Sigma 15.08 ± 14.50

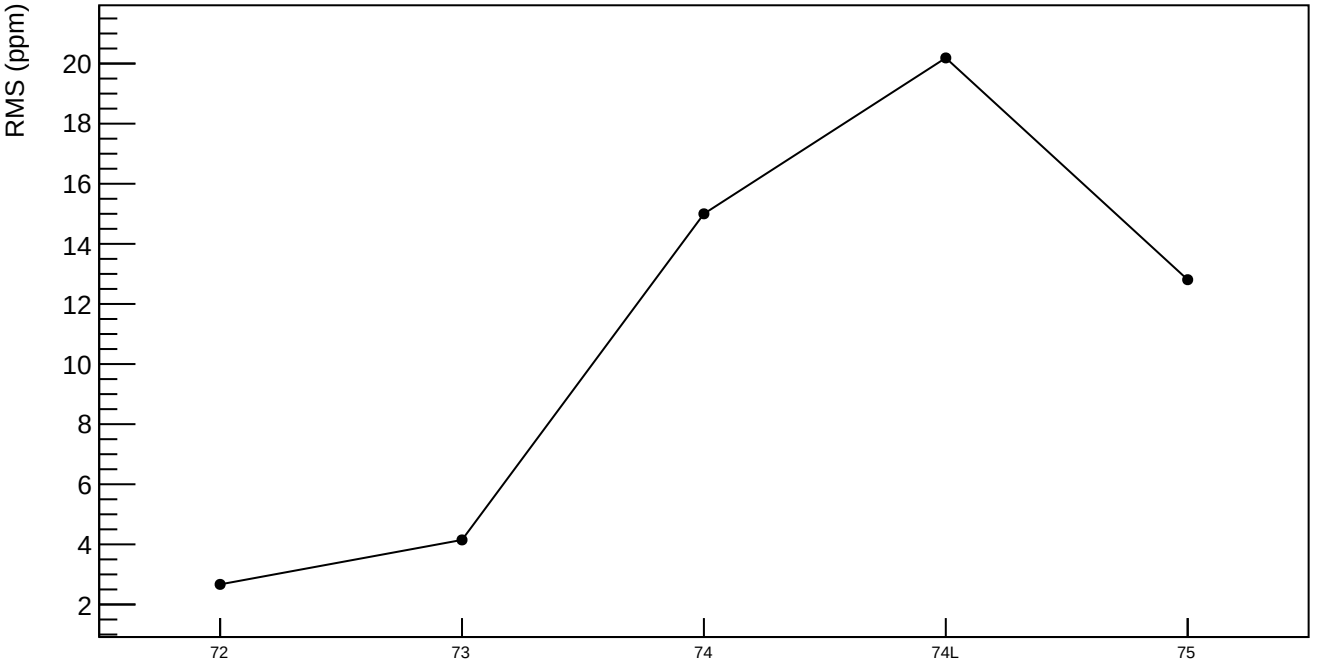
corr_usl_evMon7 RMS (ppm)

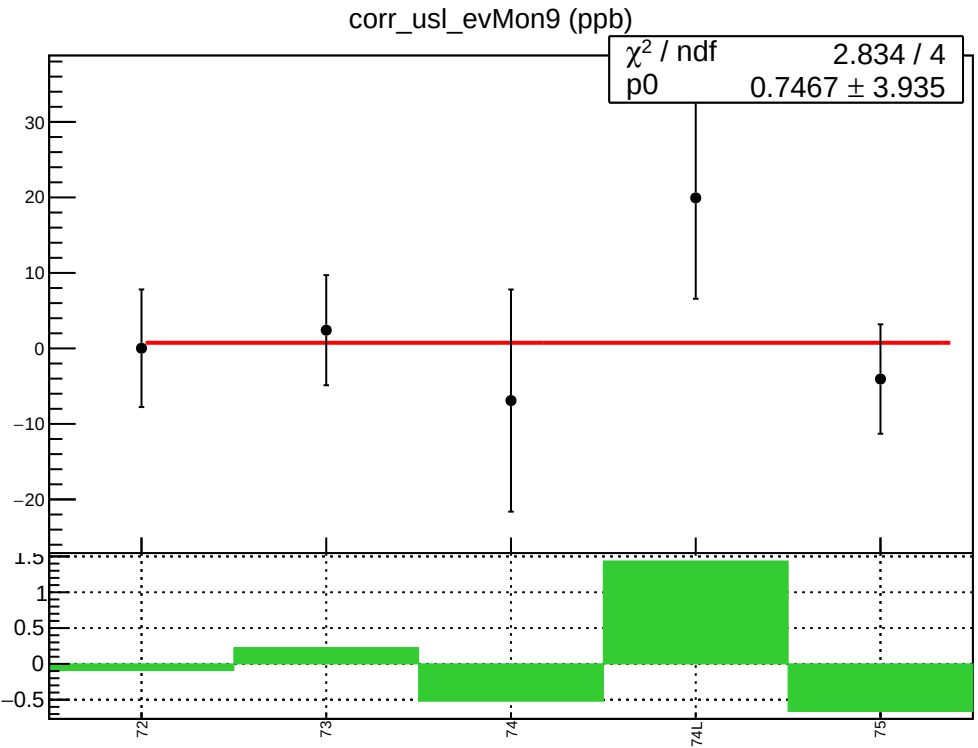


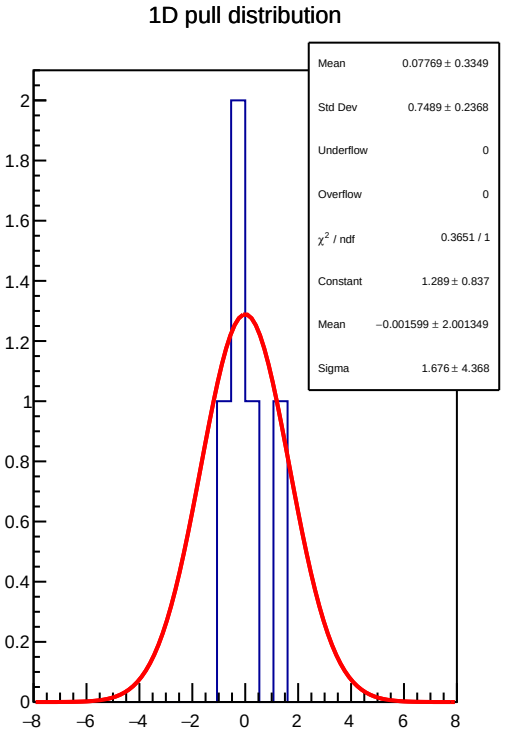

corr_usl_evMon8 (ppb)
χ² / ndf 12.25 / 4
p0 12.57 ± 5.888
100
80
60
40
20
0
−20
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
72
73
74
74L
75


1D pull distribution
Mean 0.3187 ± 0.6853
Std Dev 1.532 ± 0.4846
Underflow 0
Overflow 0
χ² / ndf 0.07769 / 1
Constant 2.031 ± 1.778
Mean 0.9343 ± 0.8800
Sigma 1.694 ± 1.310
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

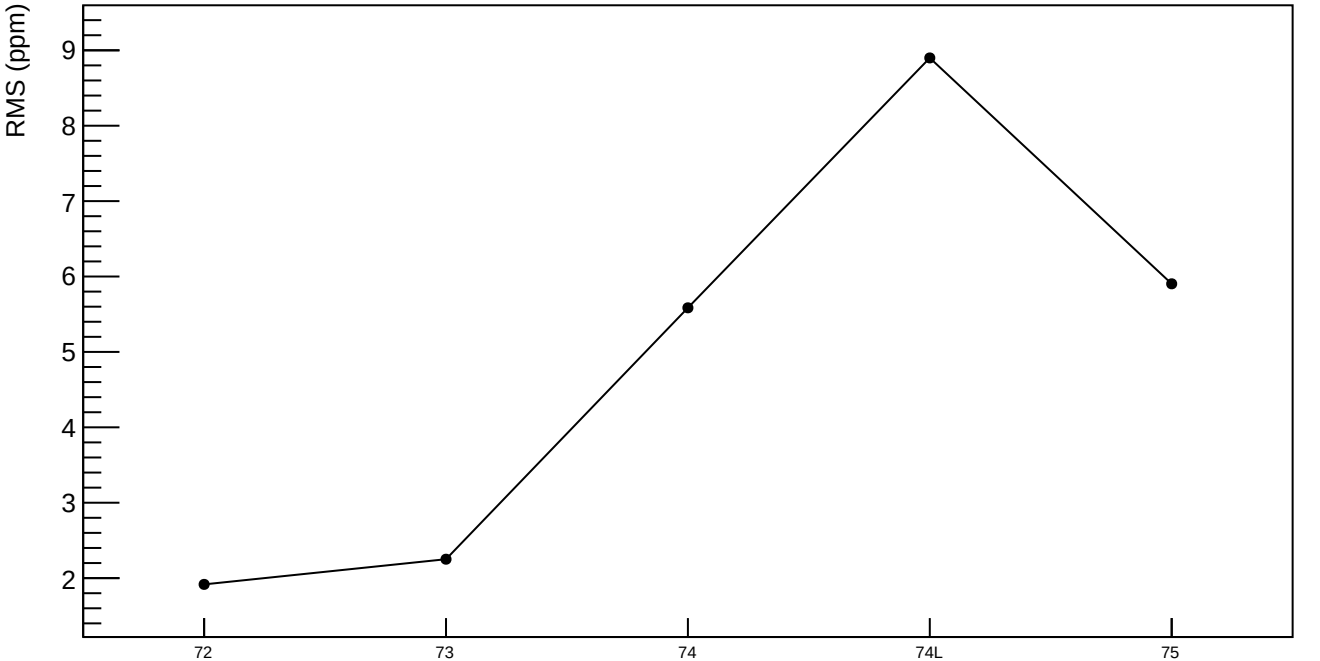
corr_usl_evMon8 RMS (ppm)

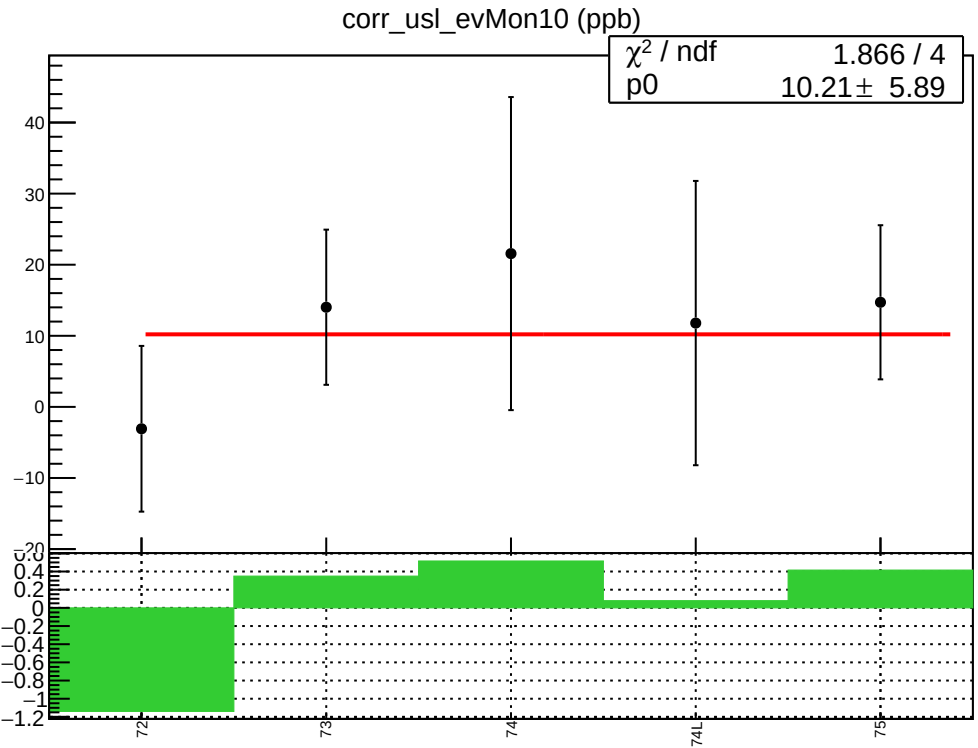


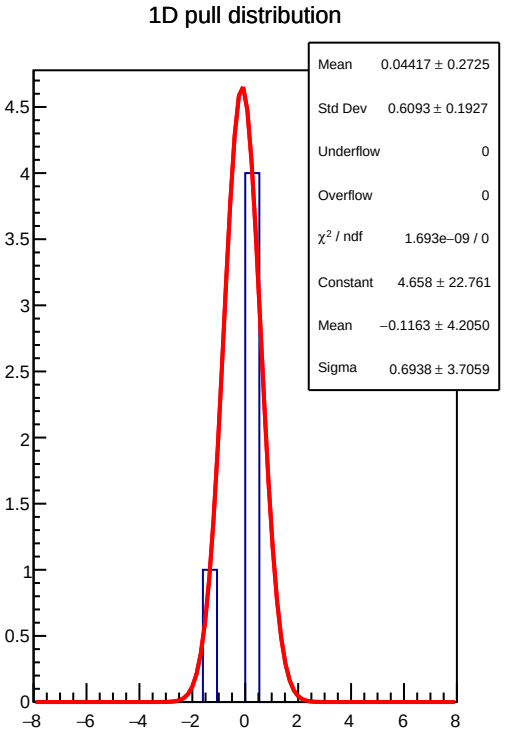

corr_usl_evMon9 (ppb)
χ² / ndf 2.834 / 4
p0 0.7467 ± 3.935
30
20
10
0
−10
−20
1.5
1
0.5
0
−0.5
72
73
74
74L
75


1D pull distribution
Mean 0.07769 ± 0.3349
Std Dev 0.7489 ± 0.2368
Underflow 0
Overflow 0
χ² / ndf 0.3651 / 1
Constant 1.289 ± 0.837
Mean −0.001599 ± 2.001349
Sigma 1.676 ± 4.368
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

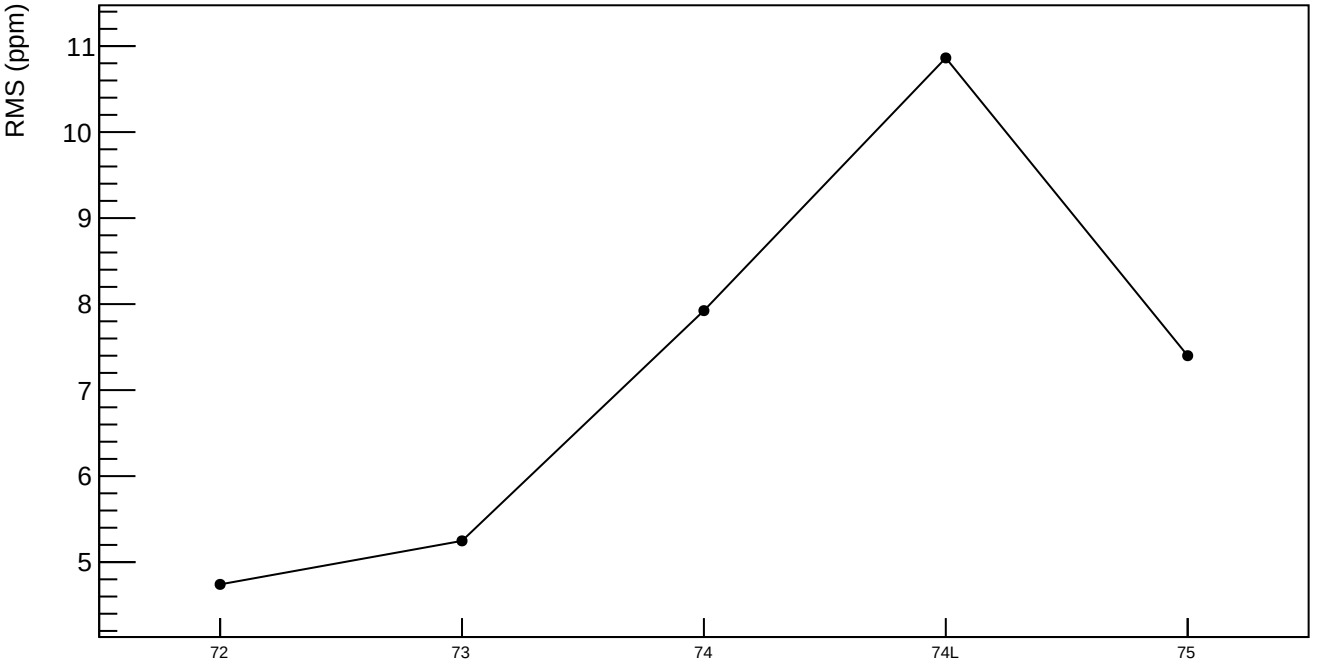
corr_usl_evMon9 RMS (ppm)

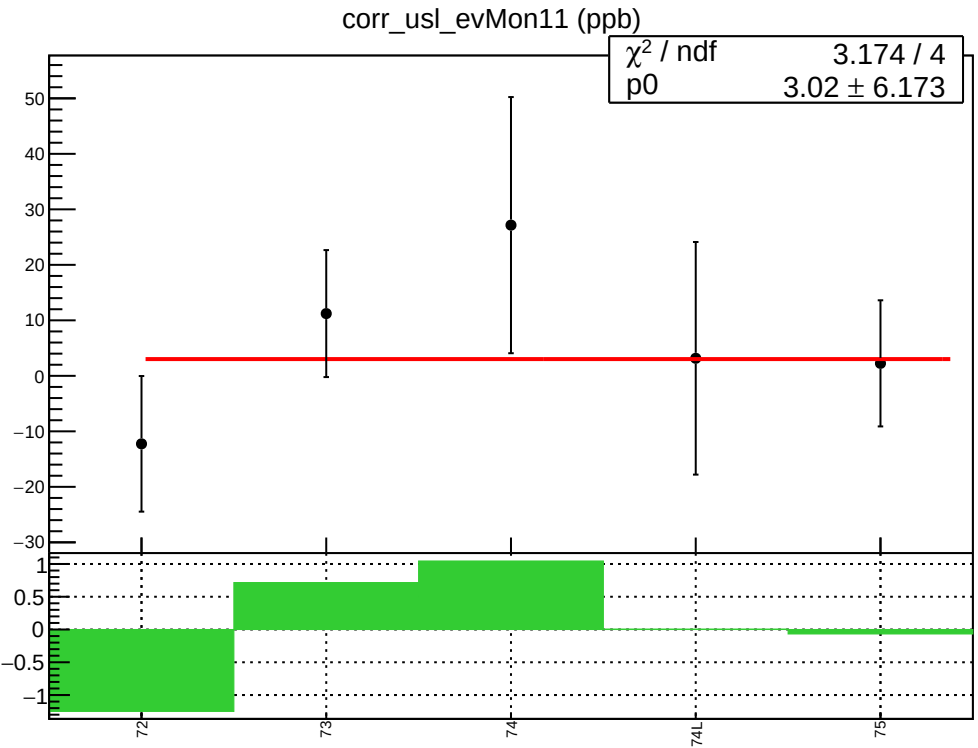


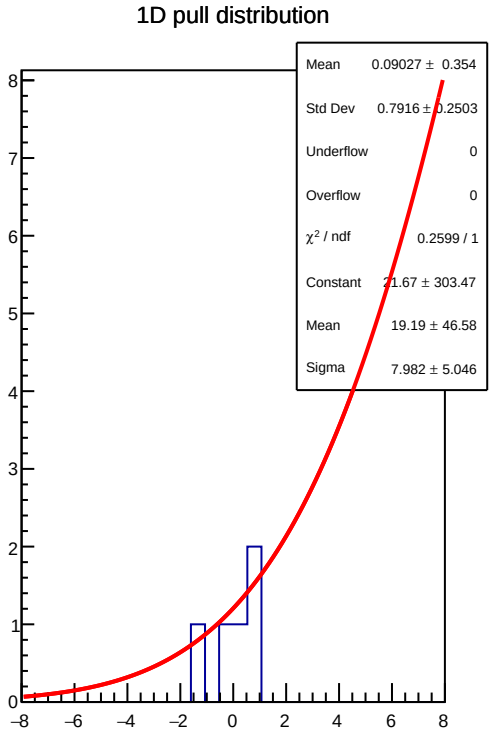

corr_usl_evMon10 (ppb)
χ² / ndf 1.866 / 4
p0 10.21 ± 5.89
72
73
74
74L
75


1D pull distribution
Mean 0.04417 ± 0.2725
Std Dev 0.6093 ± 0.1927
Underflow 0
Overflow 0
χ² / ndf 1.693e−09 / 0
Constant 4.658 ± 22.761
Mean −0.1163 ± 4.2050
Sigma 0.6938 ± 3.7059

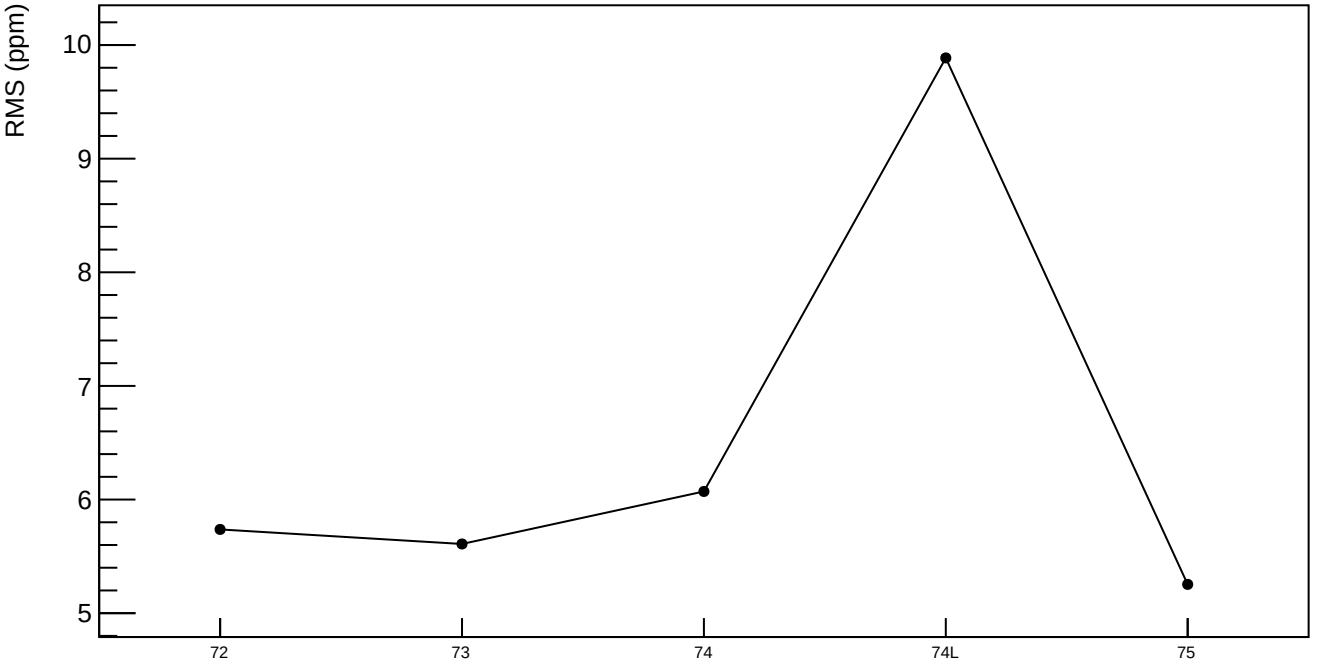
corr_usl_evMon10 RMS (ppm)

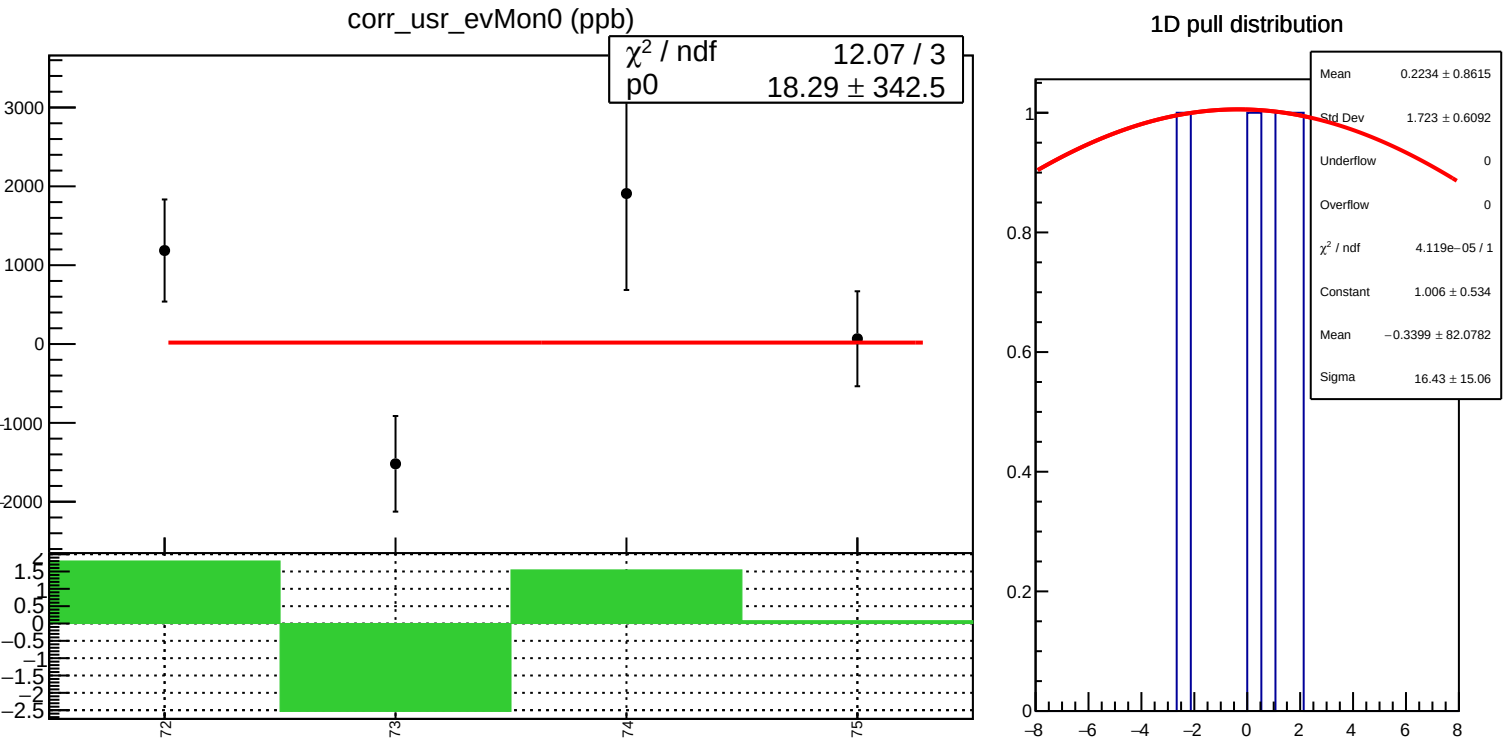


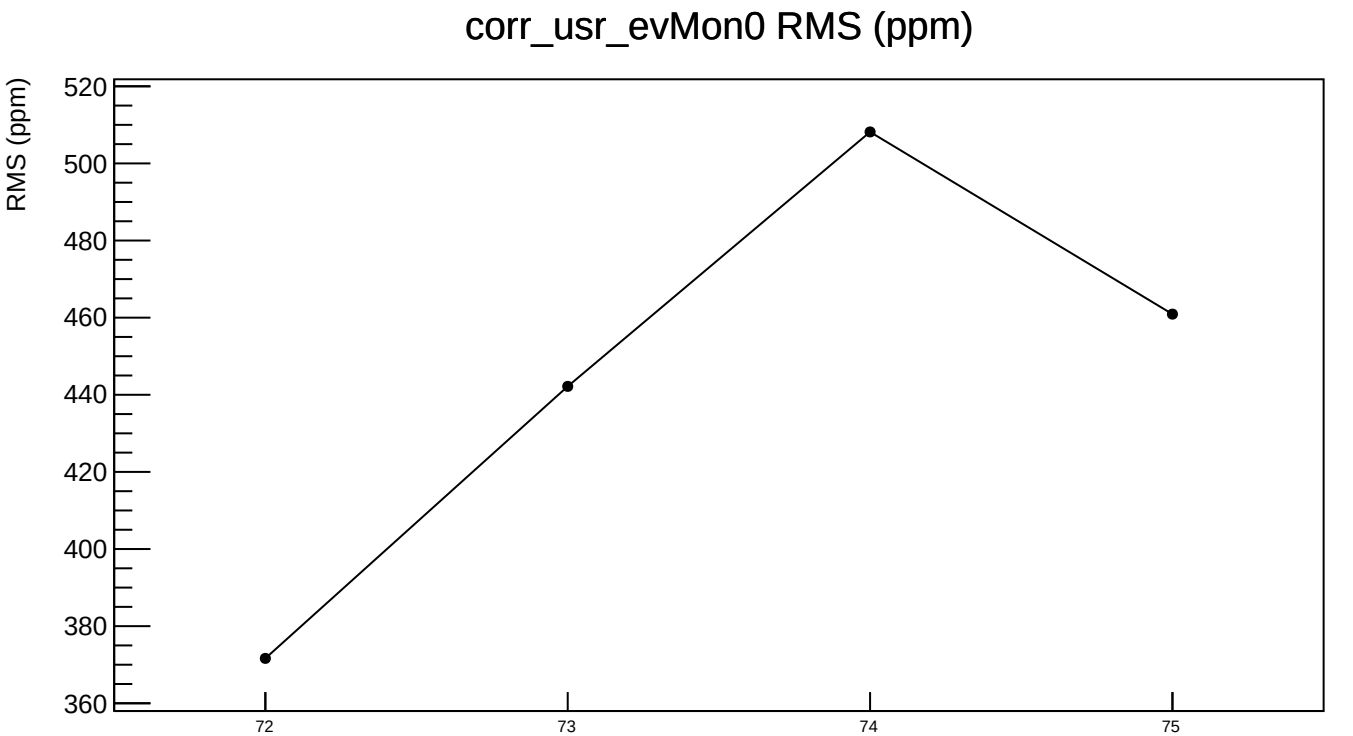

corr_usl_evMon11 (ppb)
χ² / ndf 3.174 / 4
p0 3.02 ± 6.173
72
73
74
74L
75

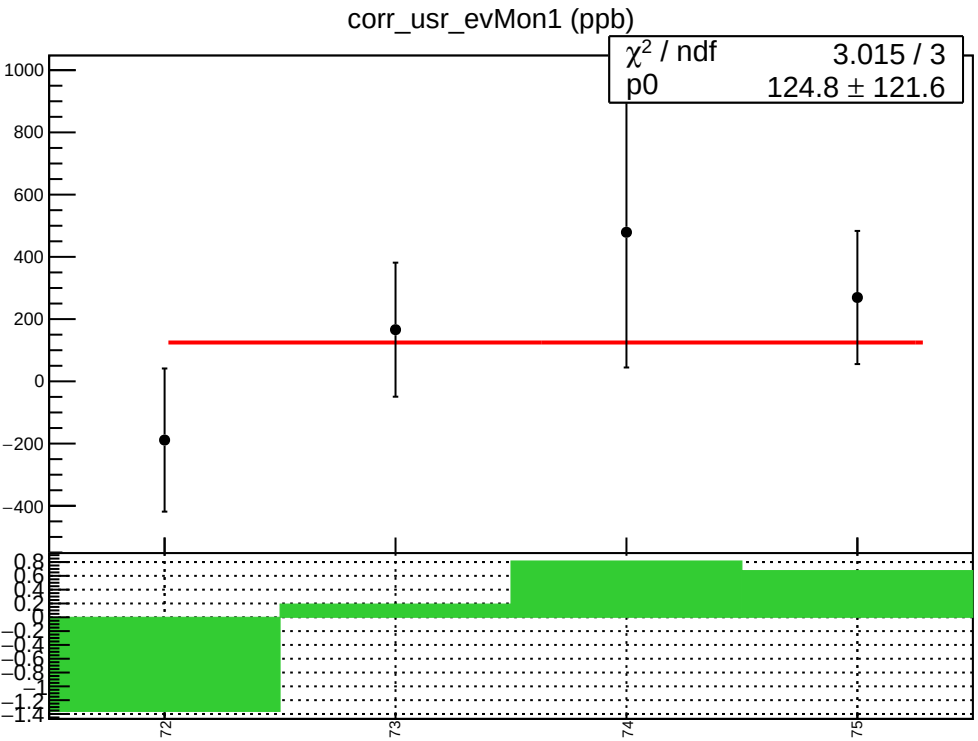

1D pull distribution
Mean 0.09027 ± 0.354
Std Dev 0.7916 ± 0.2503
Underflow 0
Overflow 0
χ² / ndf 0.2599 / 1
Constant 21.67 ± 303.47
Mean 19.19 ± 46.58
Sigma 7.982 ± 5.046

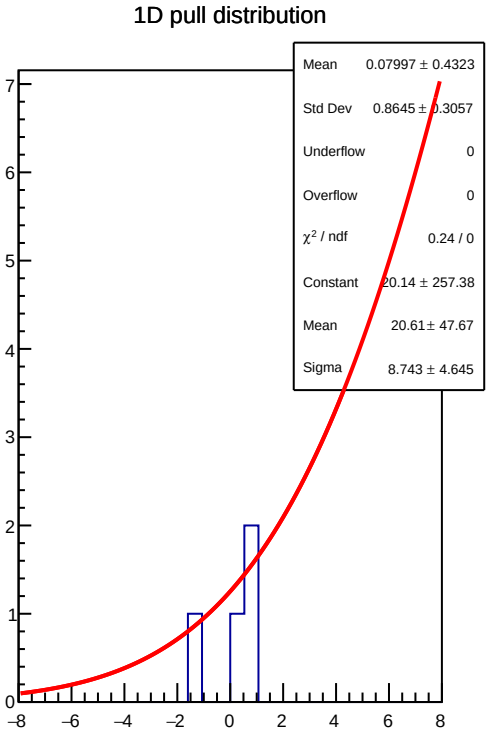
corr_usl_evMon11 RMS (ppm)

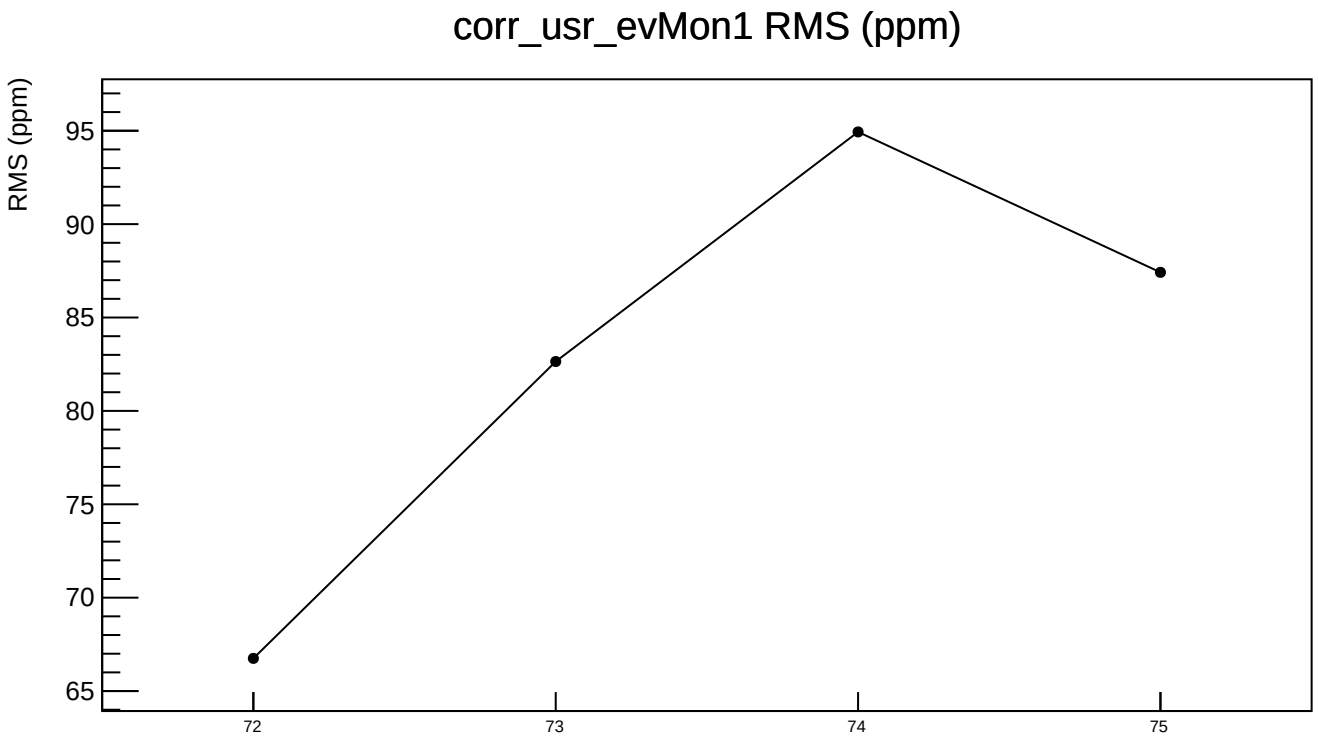


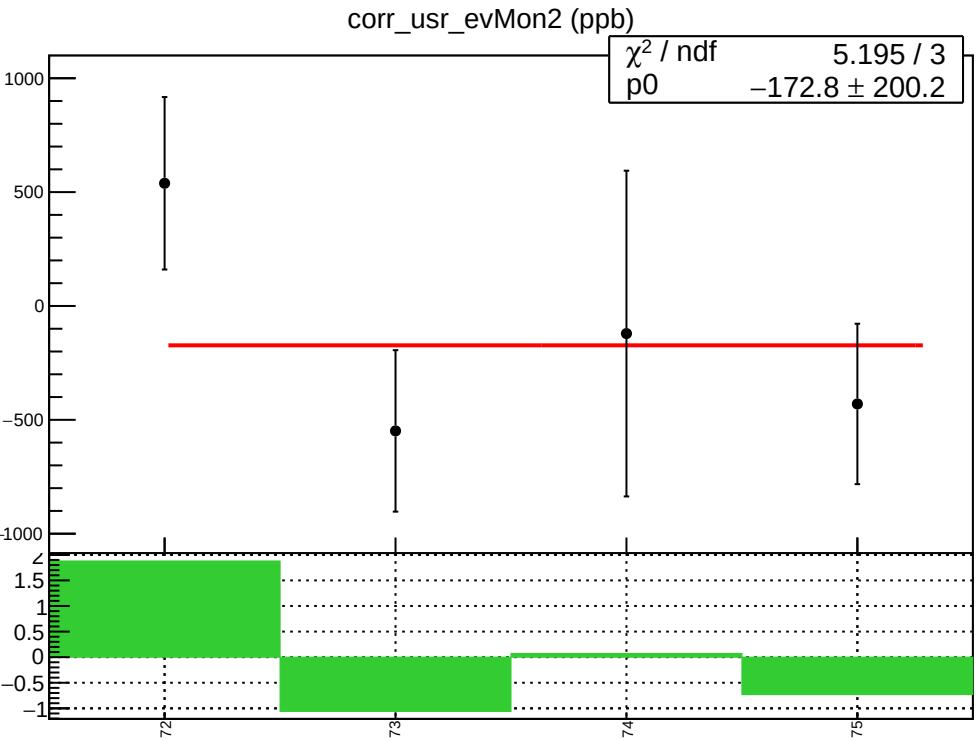

corr_usr_evMon0 (ppb)
χ² / ndf 12.07 / 3
p0 18.29 ± 342.5
3000
2000
1000
0
-1000
-2000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
72
73
74
75
1D pull distribution
Mean 0.2234 ± 0.8615
Std Dev 1.723 ± 0.6092
Underflow 0
Overflow 0
χ² / ndf 4.119e−05 / 1
Constant 1.006 ± 0.534
Mean −0.3399 ± 82.0782
Sigma 16.43 ± 15.06
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

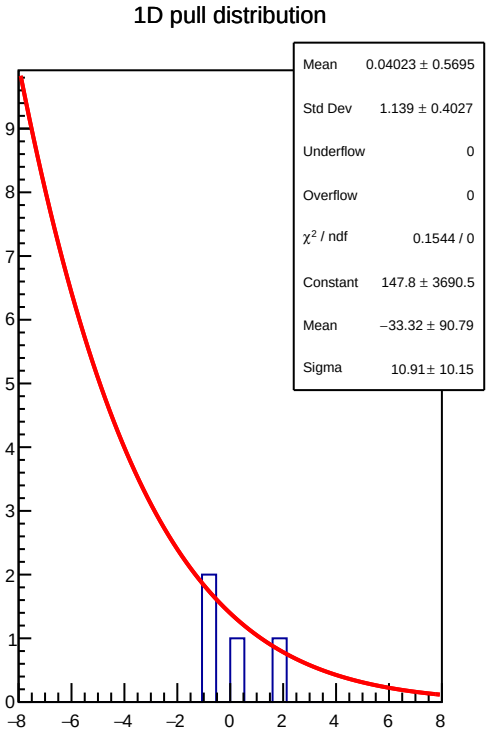

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
520
500
480
460
440
420
400
380
360
72
73
74
75


corr_usr_evMon1 (ppb)
χ² / ndf 3.015 / 3
p0 124.8 ± 121.6
1000
800
600
400
200
0
−200
−400
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
72
73
74
75

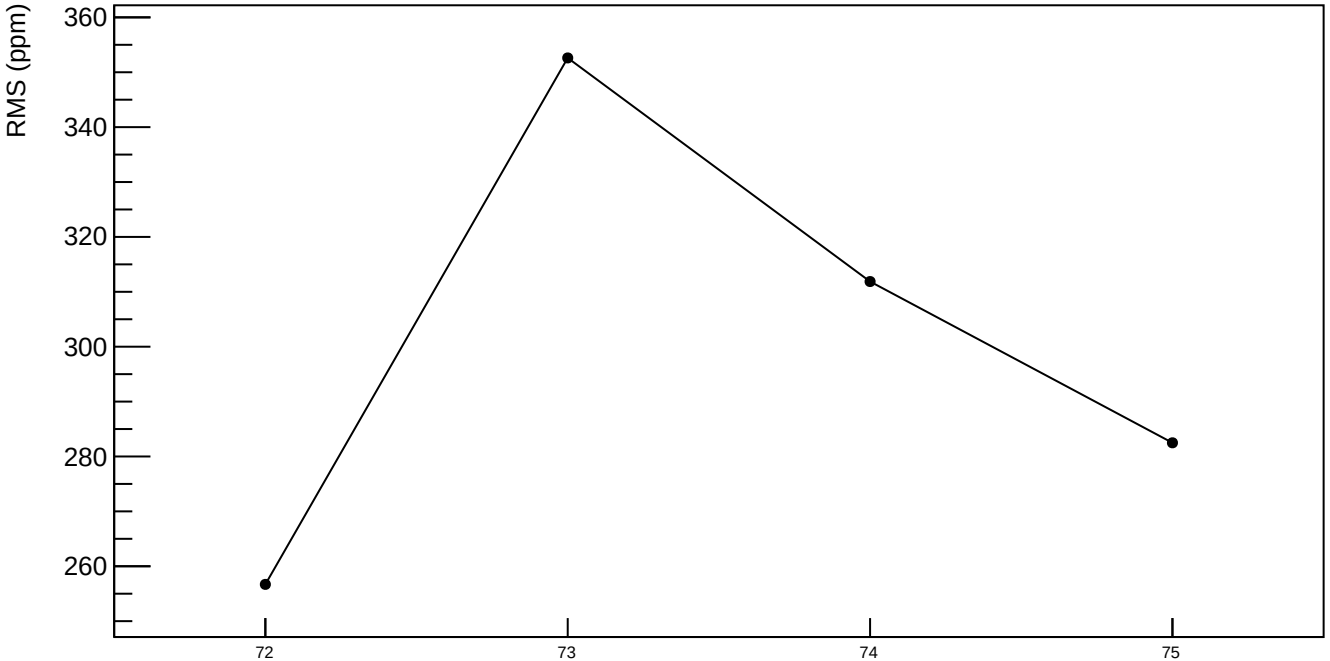

1D pull distribution
Mean 0.07997 ± 0.4323
Std Dev 0.8645 ± 0.3057
Underflow 0
Overflow 0
χ² / ndf 0.24 / 0
Constant 20.14 ± 257.38
Mean 20.61 ± 47.67
Sigma 8.743 ± 4.645
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

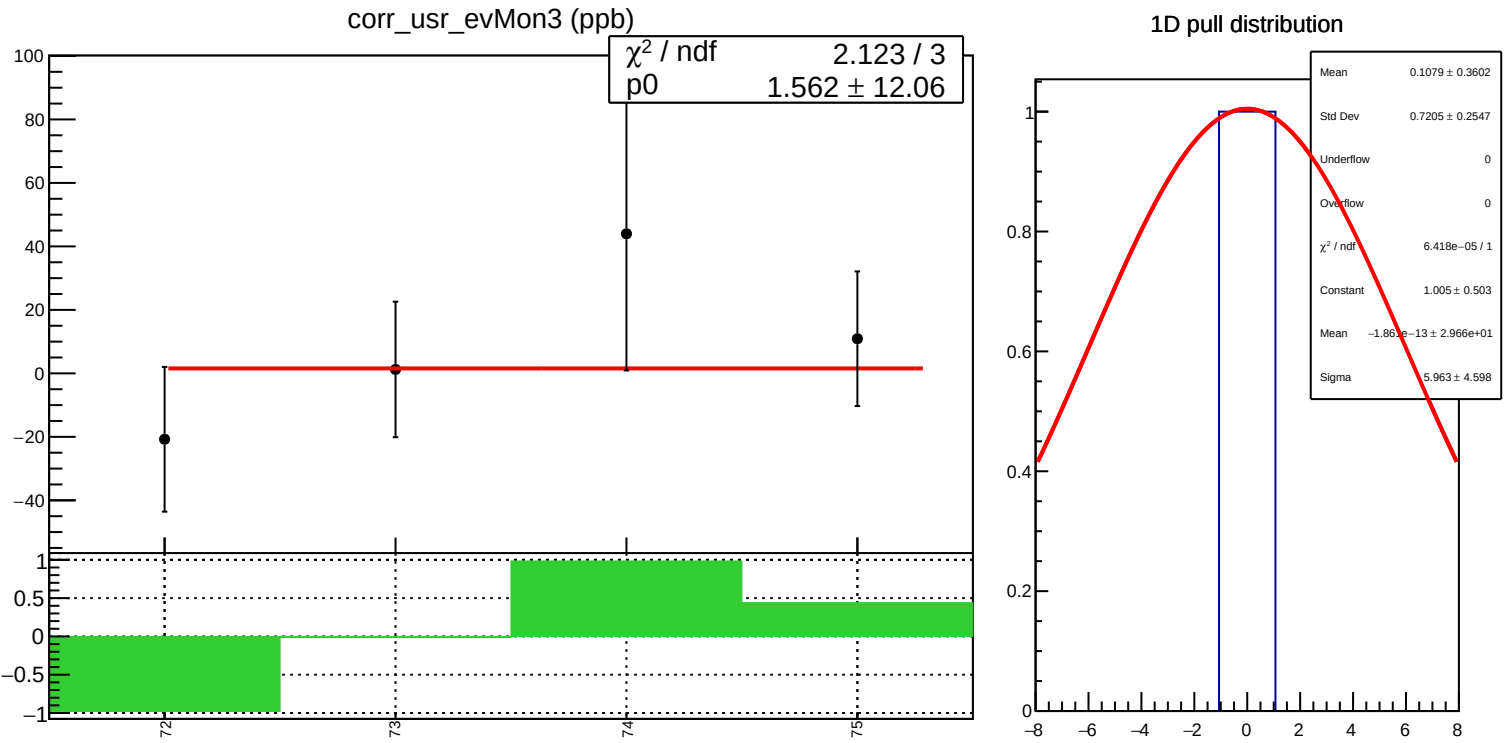

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
95
90
85
80
75
70
65
72
73
74
75

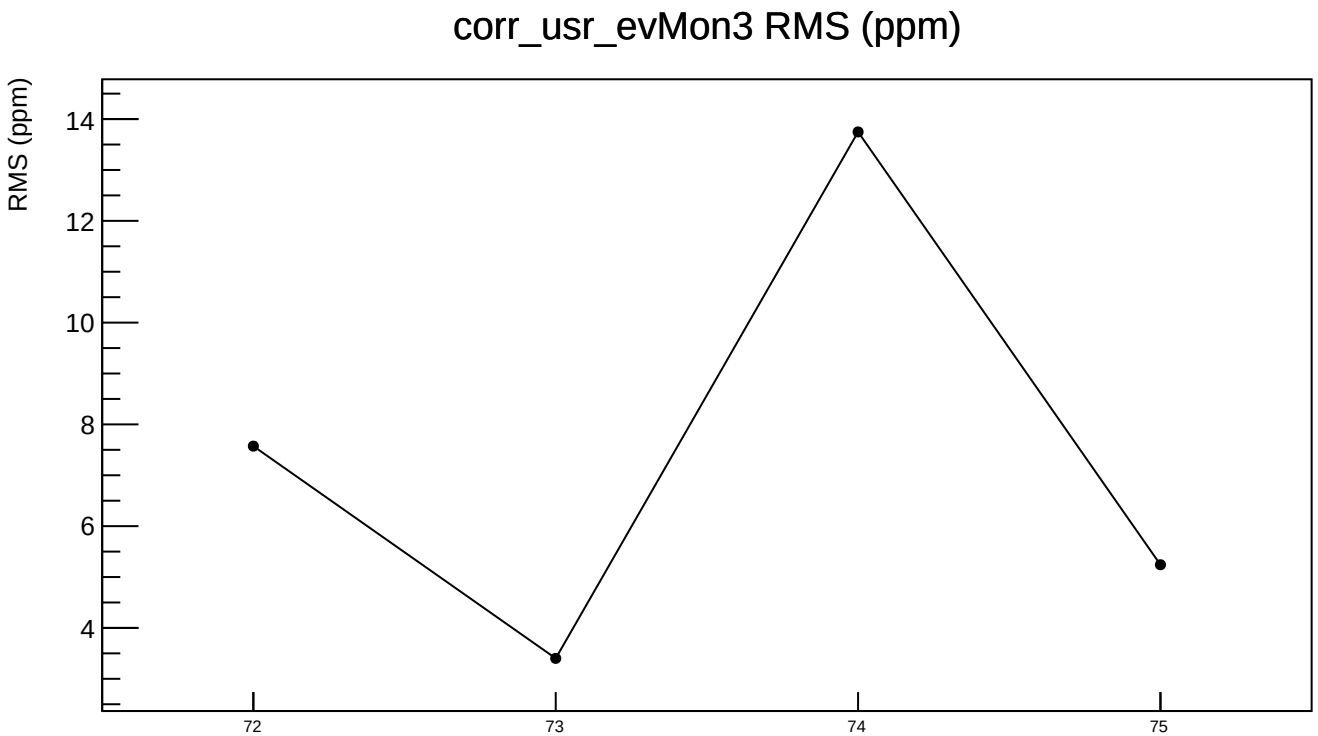

corr_usr_evMon2 (ppb)
χ² / ndf 5.195 / 3
p0 −172.8 ± 200.2
1000
500
0
−500
−1000
2
1.5
1
0.5
0
−0.5
−1
72
73
74
75

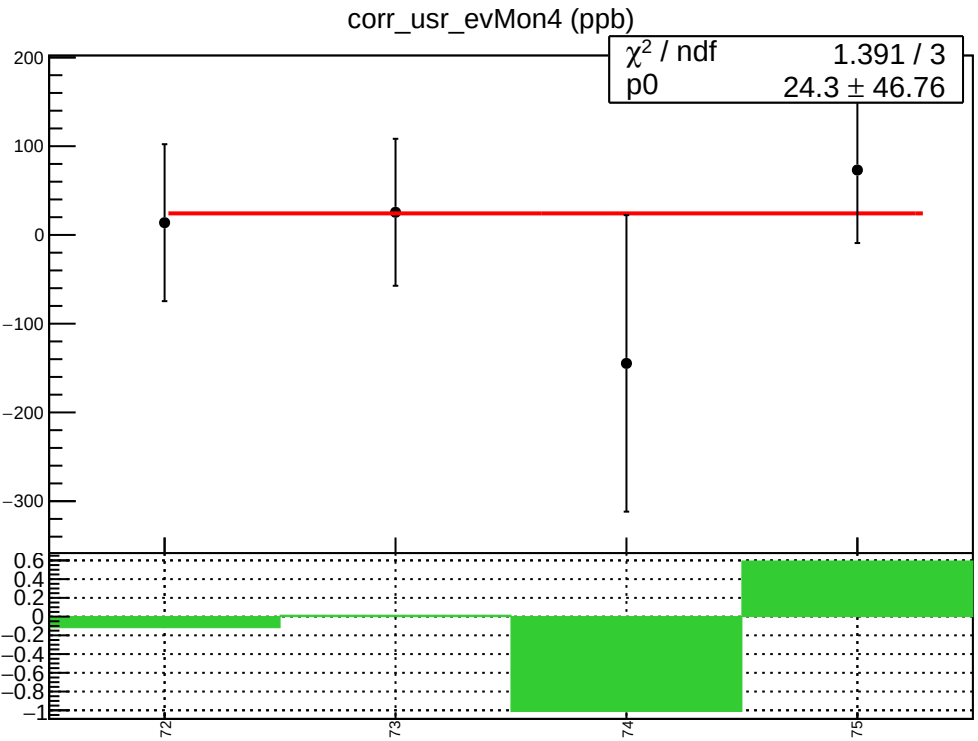

1D pull distribution
Mean 0.04023 ± 0.5695
Std Dev 1.139 ± 0.4027
Underflow 0
Overflow 0
χ² / ndf 0.1544 / 0
Constant 147.8 ± 3690.5
Mean −33.32 ± 90.79
Sigma 10.91± 10.15
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

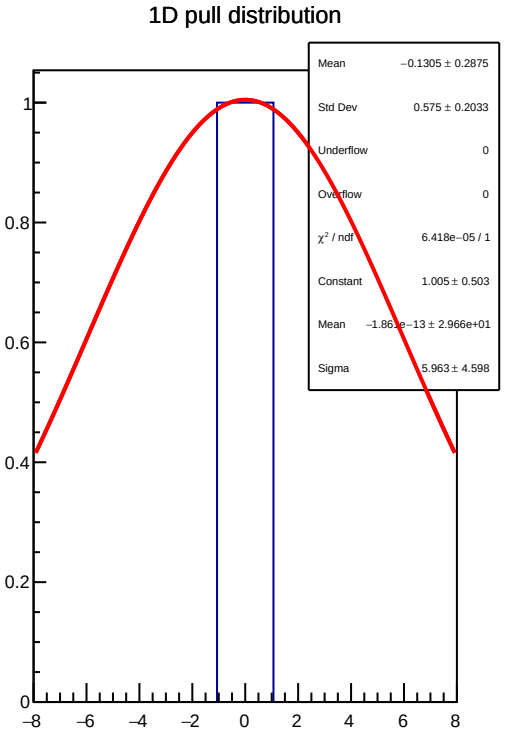
corr_usr_evMon2 RMS (ppm)

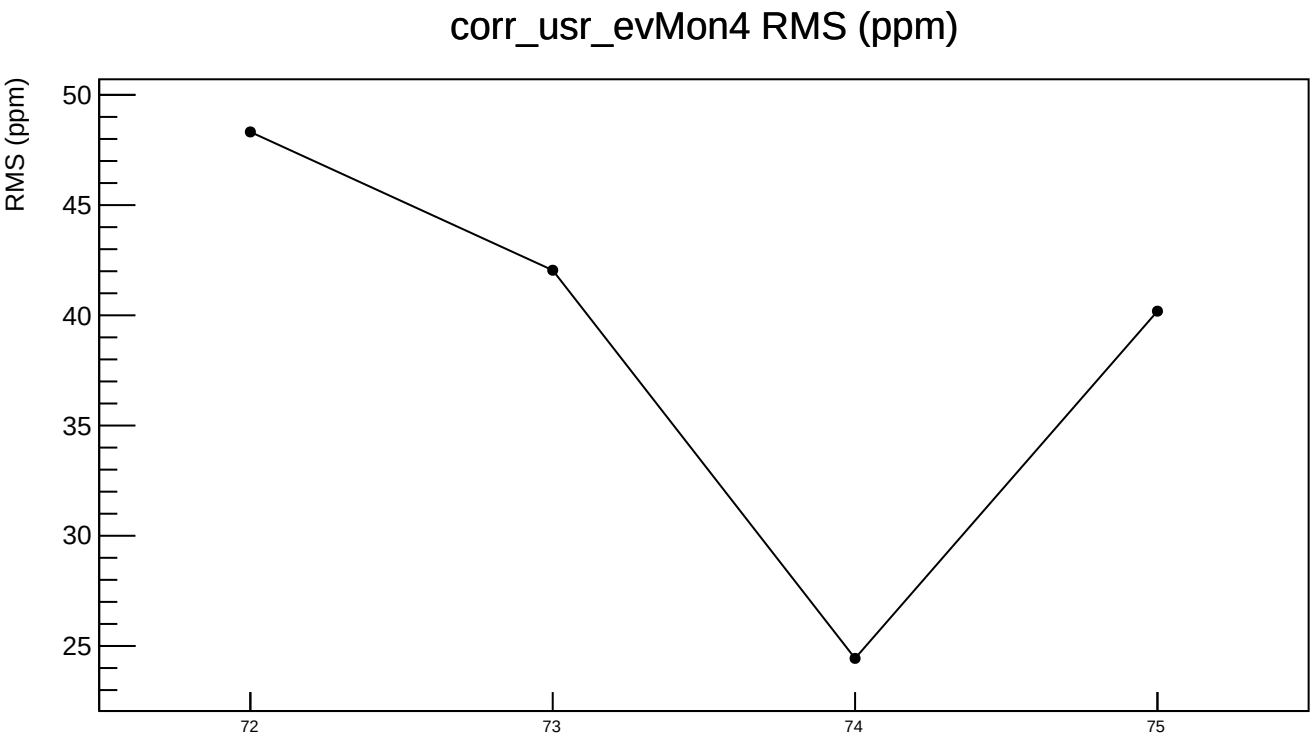


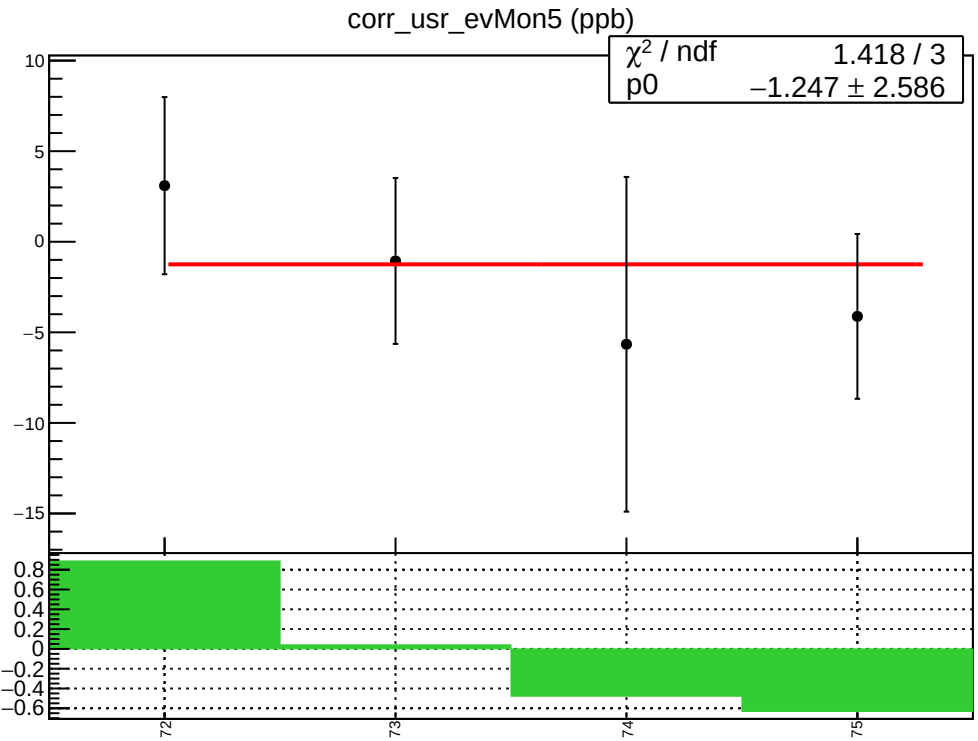

corr_usr_evMon3 (ppb)
χ² / ndf 2.123 / 3
p0 1.562 ± 12.06
100
80
60
40
20
0
−20
−40
1
0.5
0
−0.5
−1
72
73
74
75
1D pull distribution
Mean 0.1079 ± 0.3602
Std Dev 0.7205 ± 0.2547
Underflow 0
Overflow 0
χ² / ndf 6.418e−05 / 1
Constant 1.005 ± 0.503
Mean −1.861e−13 ± 2.966e+01
Sigma 5.963 ± 4.598
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

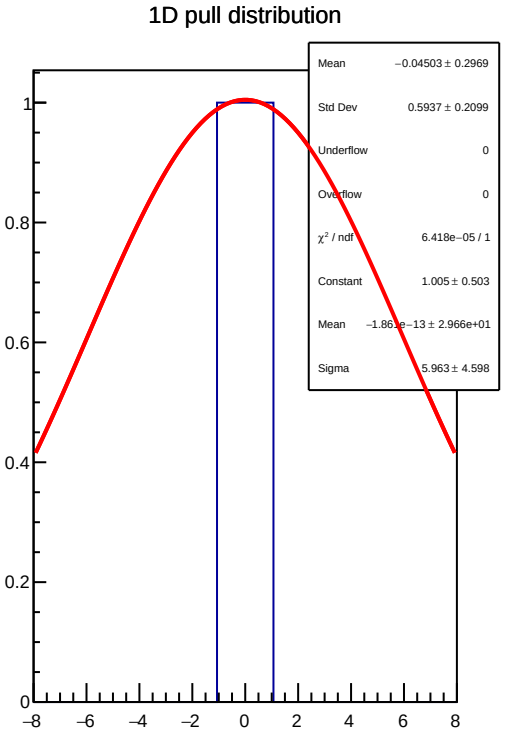

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
72
73
74
75


corr_usr_evMon4 (ppb)
χ² / ndf 1.391 / 3
p0 24.3 ± 46.76
200
100
0
−100
−200
−300
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
72
73
74
75

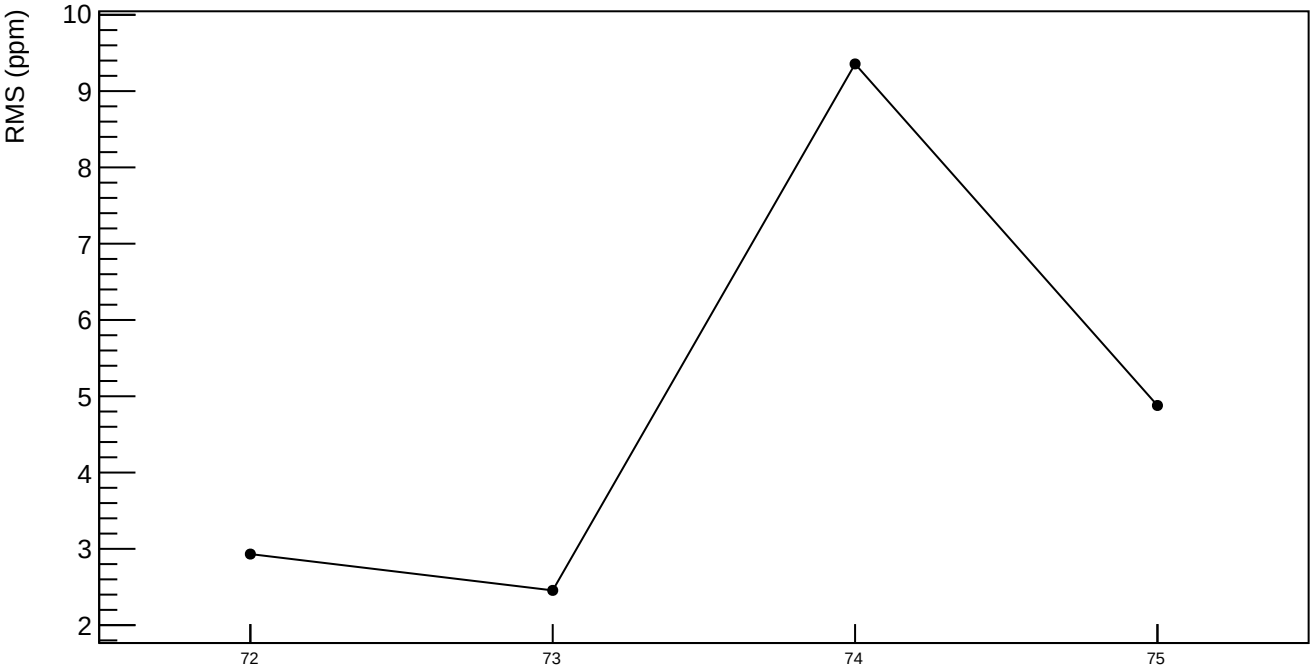

1D pull distribution
Mean −0.1305 ± 0.2875
Std Dev 0.575 ± 0.2033
Underflow 0
Overflow 0
χ² / ndf 6.418e−05 / 1
Constant 1.005 ± 0.503
Mean −1.861e−13 ± 2.966e+01
Sigma 5.963 ± 4.598
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

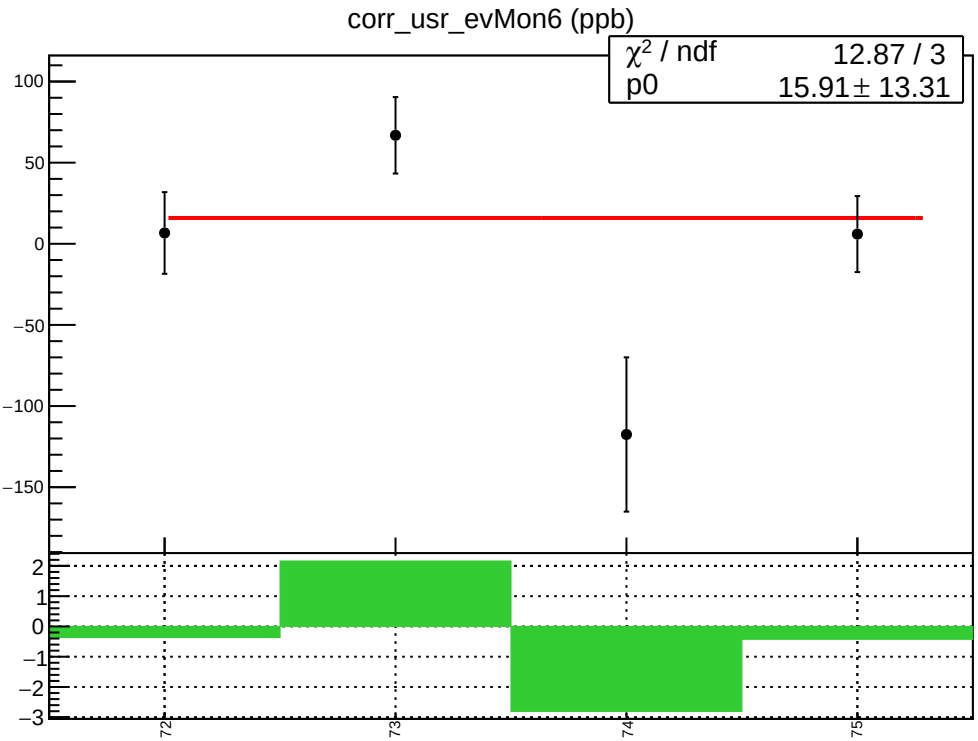

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
50
45
40
35
30
25
72
73
74
75

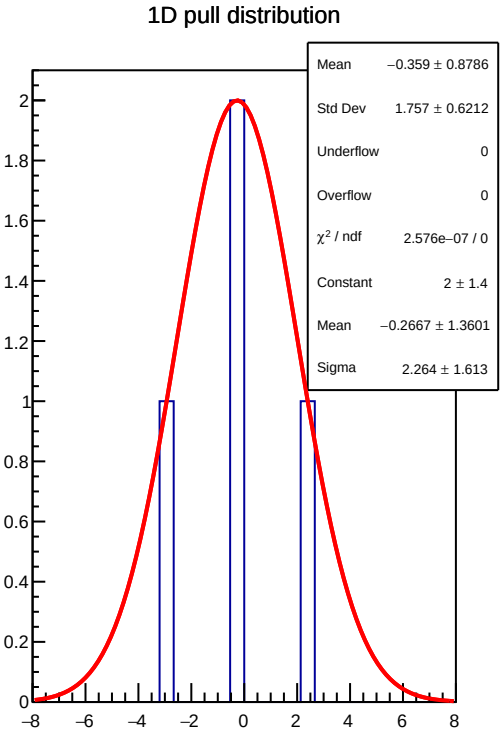

corr_usr_evMon5 (ppb)
χ² / ndf 1.418 / 3
p0 −1.247 ± 2.586
10
5
0
−5
−10
−15
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
72
73
74
75

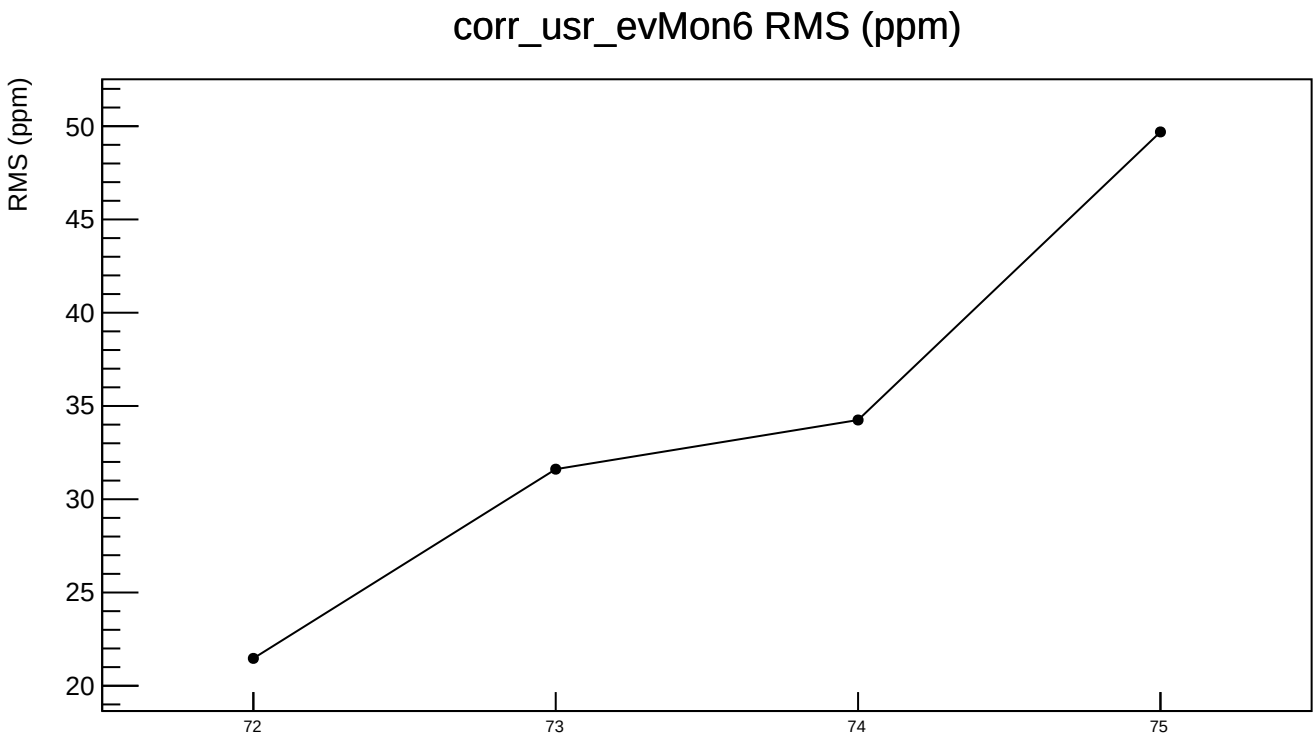

1D pull distribution
Mean −0.04503 ± 0.2969
Std Dev 0.5937 ± 0.2099
Underflow 0
Overflow 0
χ² / ndf 6.418e−05 / 1
Constant 1.005 ± 0.503
Mean −1.861e−13 ± 2.966e+01
Sigma 5.963 ± 4.598
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

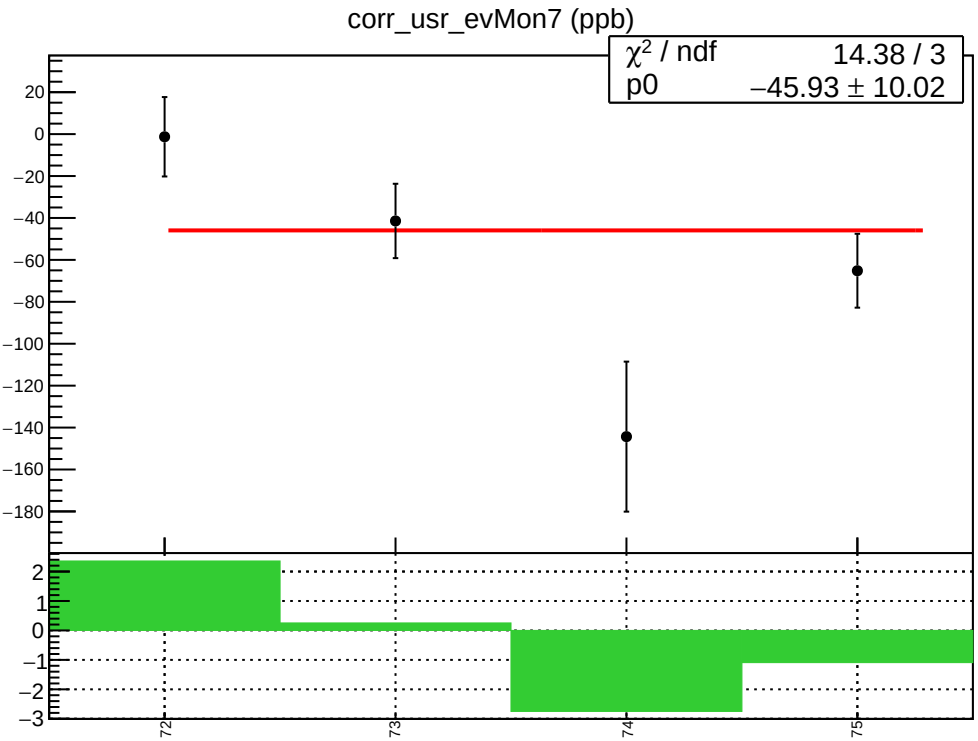
corr_usr_evMon5 RMS (ppm)

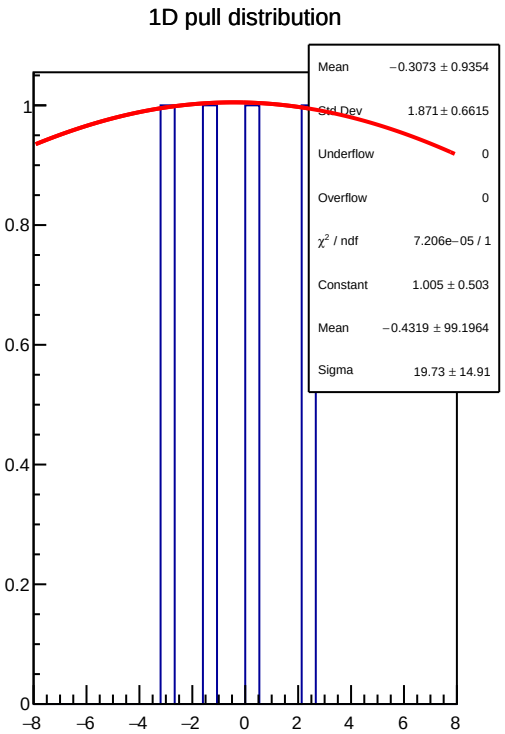


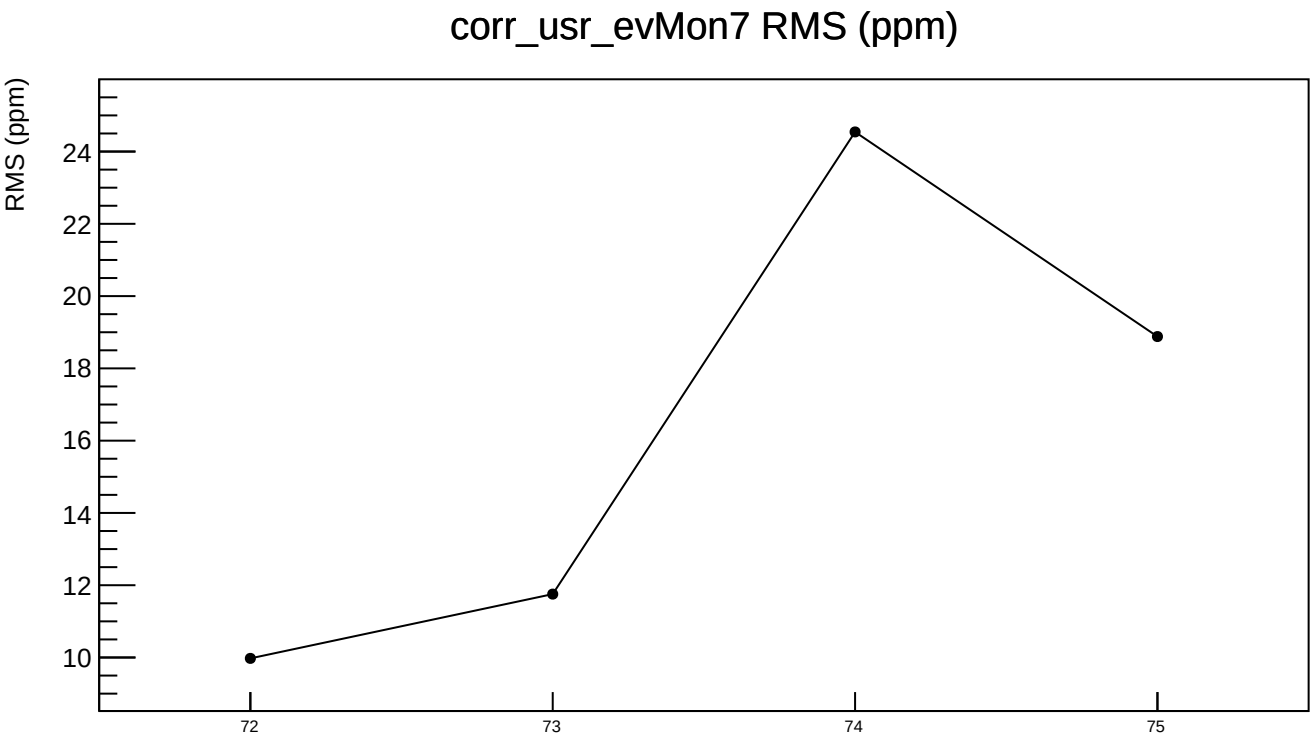

corr_usr_evMon6 (ppb)
χ² / ndf 12.87 / 3
p0 15.91 ± 13.31
100
50
0
−50
−100
−150
2
1
0
−1
−2
−3
72
73
74
75

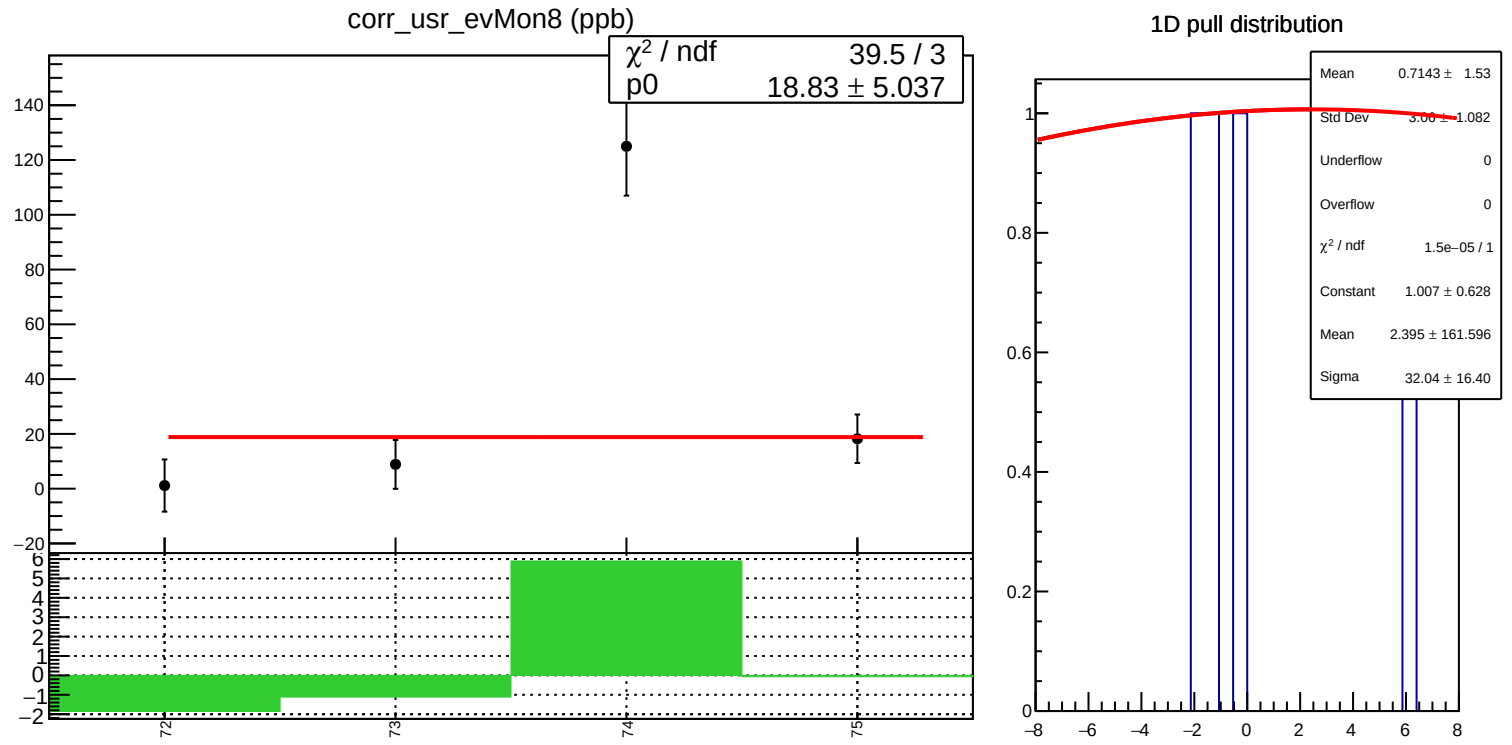

1D pull distribution
Mean −0.359 ± 0.8786
Std Dev 1.757 ± 0.6212
Underflow 0
Overflow 0
χ² / ndf 2.576e−07 / 0
Constant 2 ± 1.4
Mean −0.2667 ± 1.3601
Sigma 2.264 ± 1.613
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

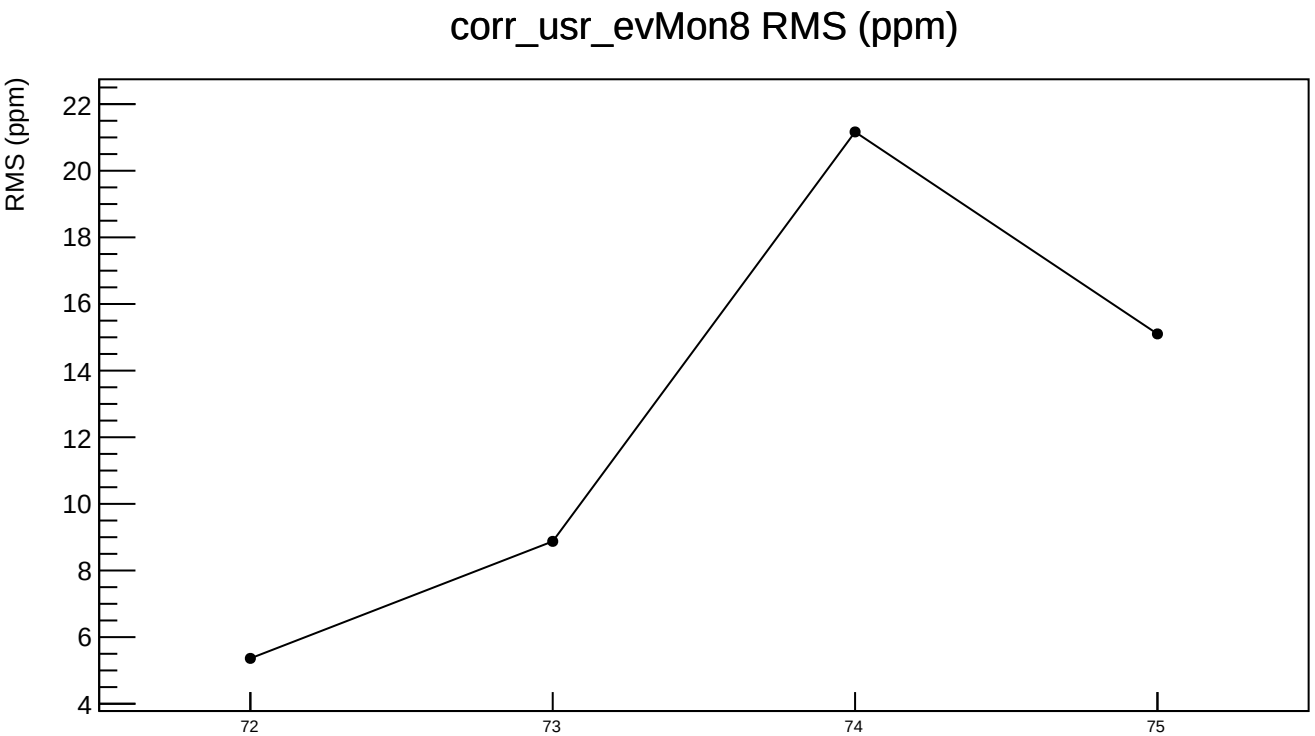

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
50
45
40
35
30
25
20
72
73
74
75

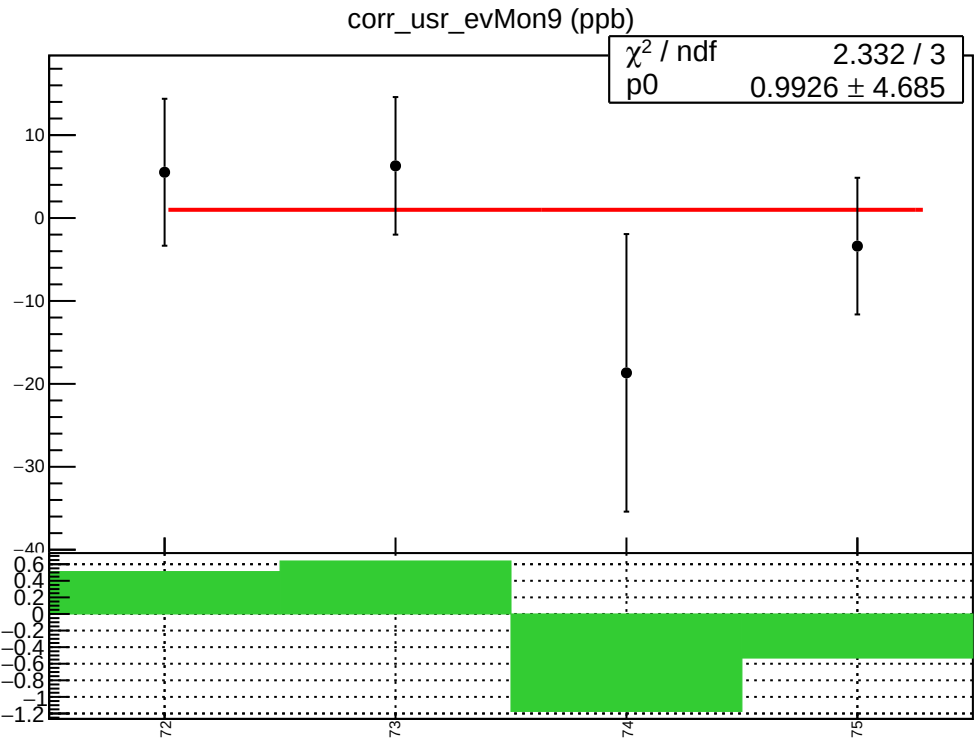

corr_usr_evMon7 (ppb)
χ² / ndf 14.38 / 3
p0 −45.93 ± 10.02
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
2
1
0
−1
−2
−3
72
73
74
75

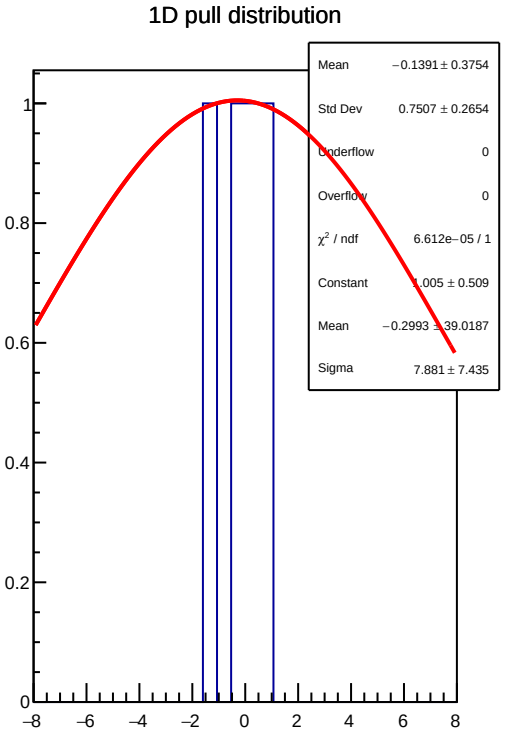

1D pull distribution
Mean −0.3073 ± 0.9354
Std Dev 1.871 ± 0.6615
Underflow 0
Overflow 0
χ² / ndf 7.206e−05 / 1
Constant 1.005 ± 0.503
Mean −0.4319 ± 99.1964
Sigma 19.73 ± 14.91
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

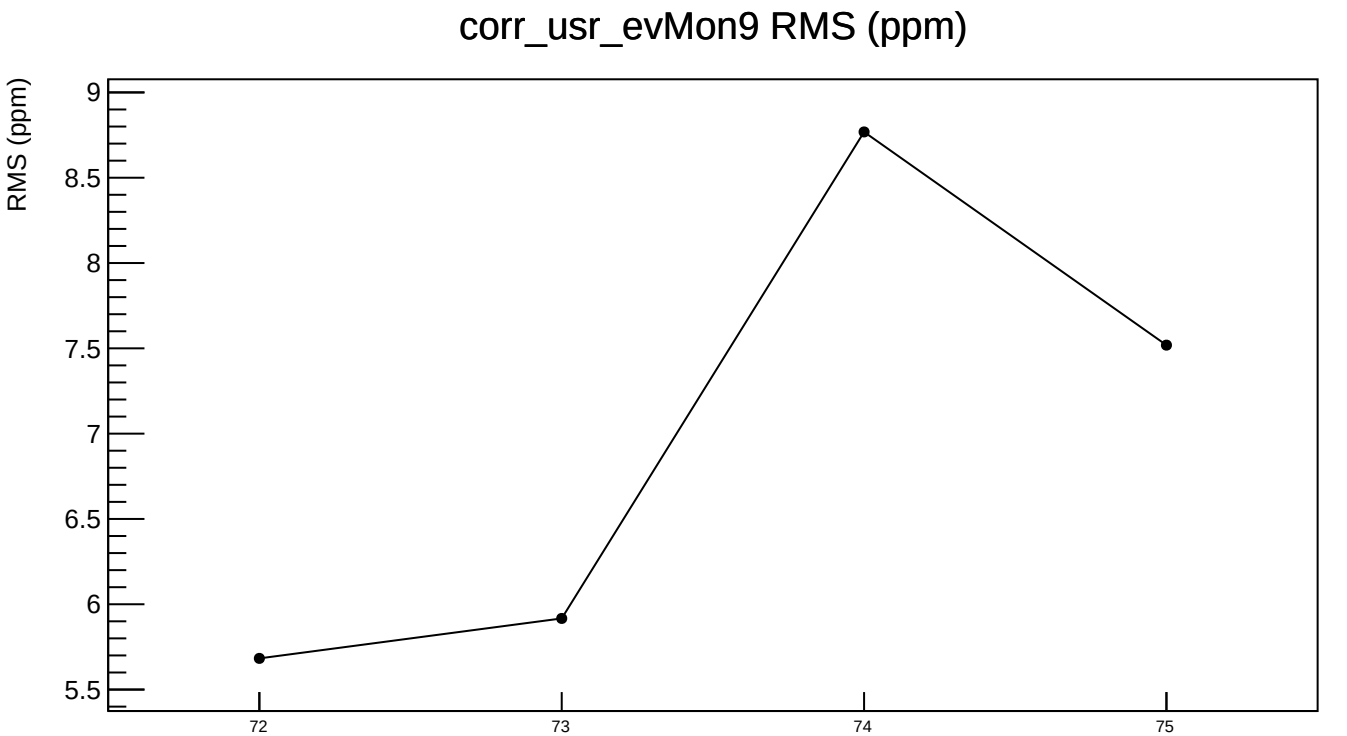

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
24
22
20
18
16
14
12
10
72
73
74
75

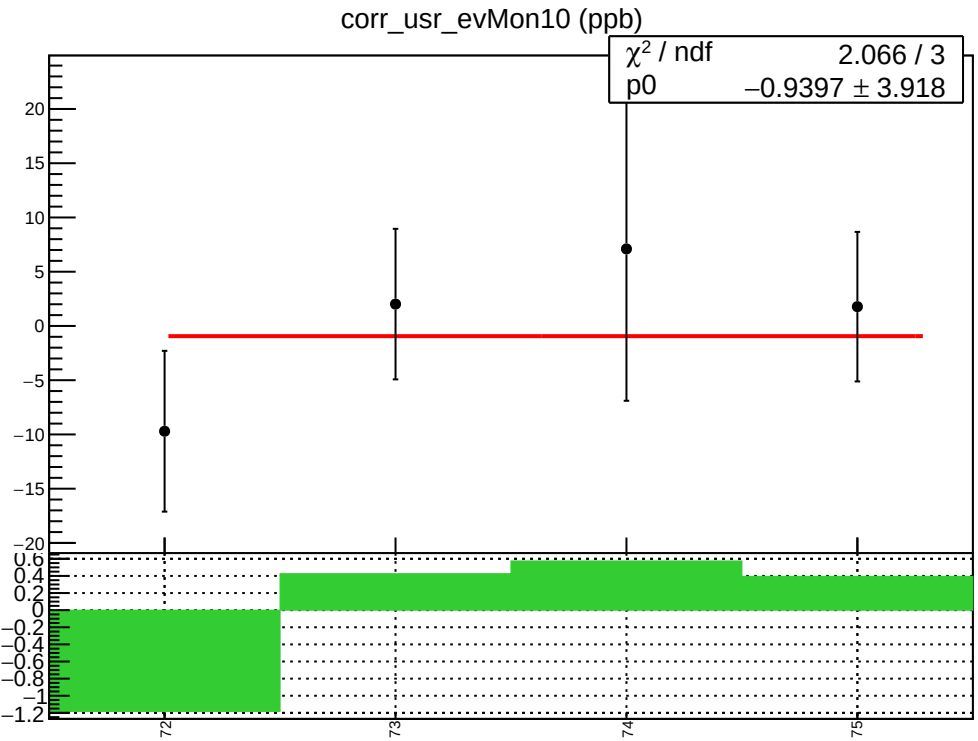

corr_usr_evMon8 (ppb)
χ² / ndf 39.5 / 3
p0 18.83 ± 5.037
140
120
100
80
60
40
20
0
−20
6
5
4
3
2
1
0
−1
−2
72
73
74
75
1D pull distribution
Mean 0.7143 ± 1.53
Std Dev 3.06 ± 1.082
Underflow 0
Overflow 0
χ² / ndf 1.5e−05 / 1
Constant 1.007 ± 0.628
Mean 2.395 ± 161.596
Sigma 32.04 ± 16.40
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

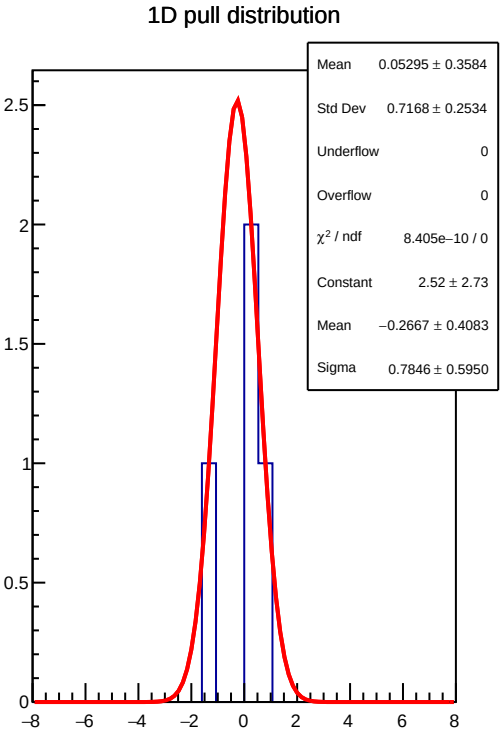

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
10
8
6
4
72
73
74
75

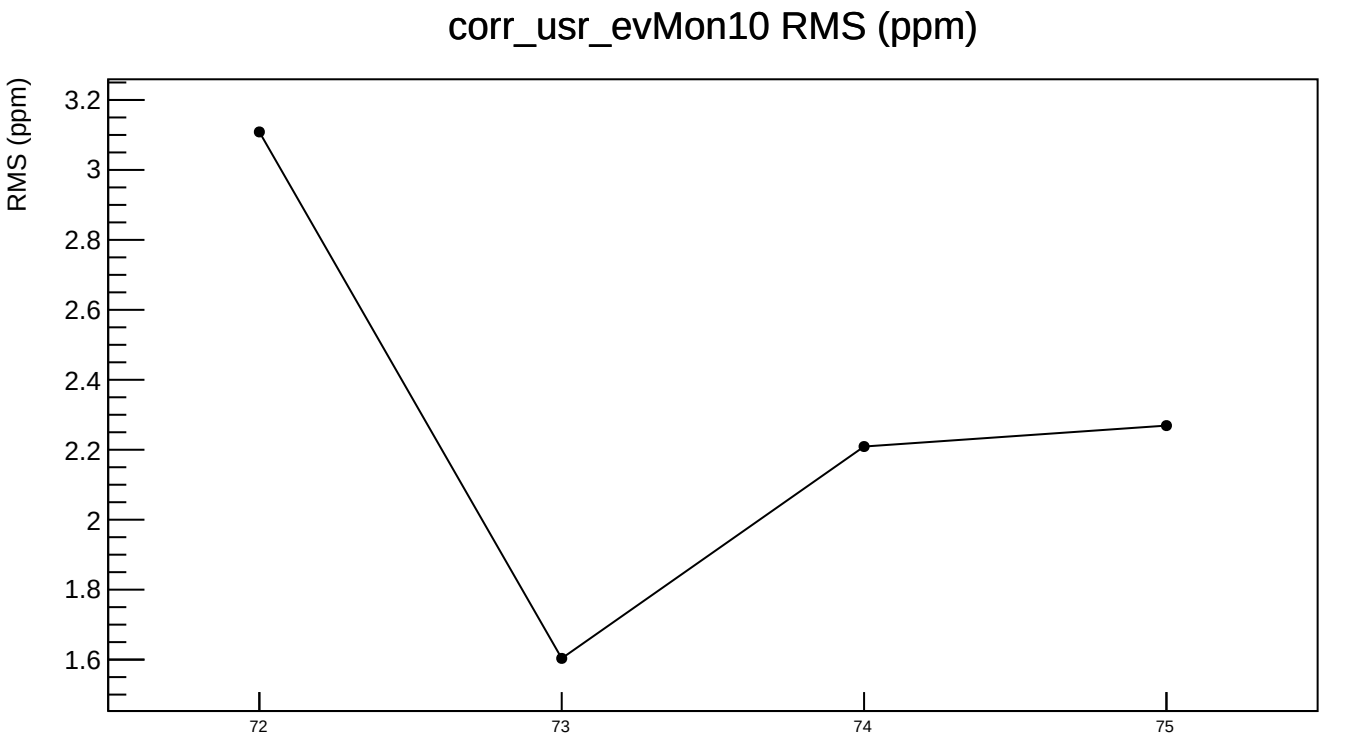

corr_usr_evMon9 (ppb)
χ² / ndf 2.332 / 3
p0 0.9926 ± 4.685
10
0
−10
−20
−30
−40
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
72
73
74
75

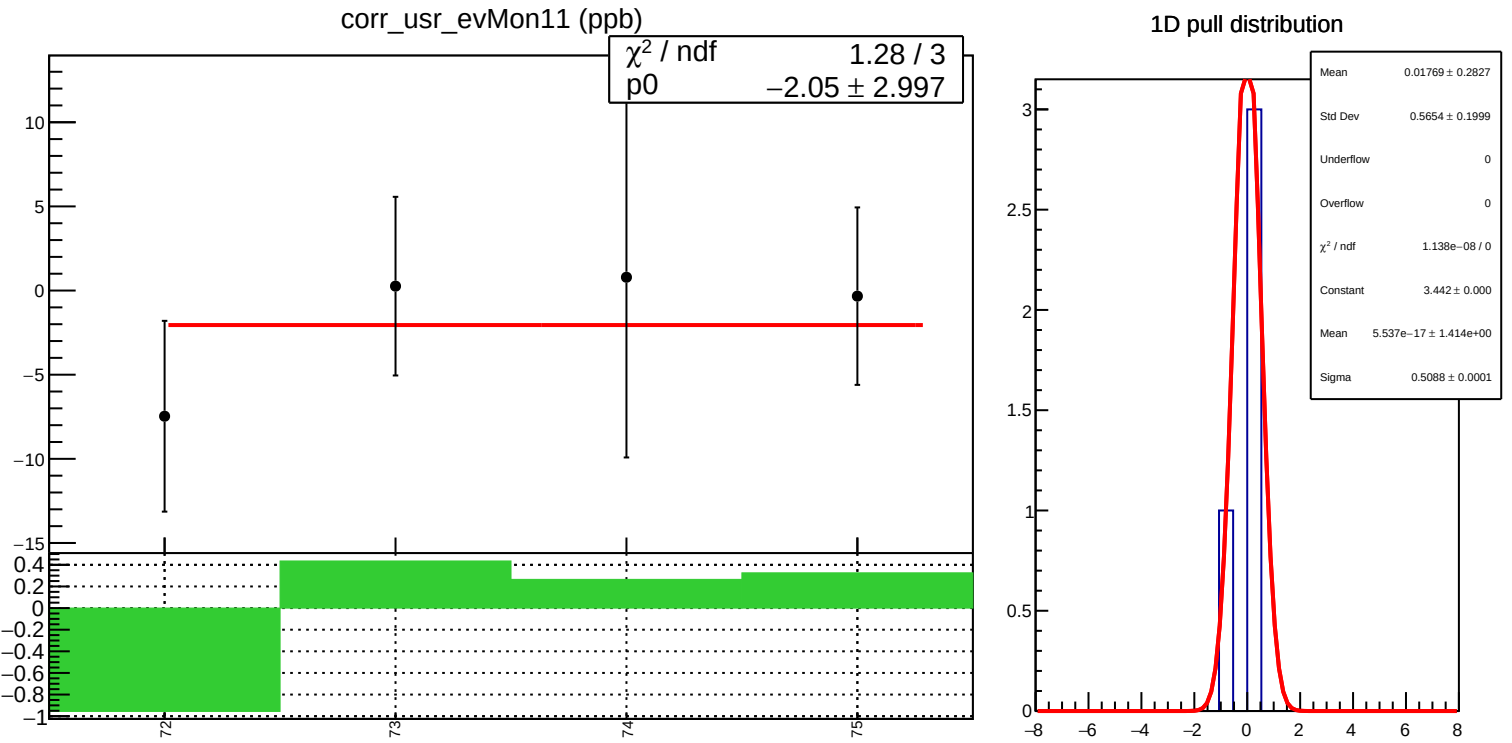

1D pull distribution
Mean −0.1391 ± 0.3754
Std Dev 0.7507 ± 0.2654
Underflow 0
Overflow 0
χ² / ndf 6.612e−05 / 1
Constant 1.005 ± 0.509
Mean −0.2993 ± 39.0187
Sigma 7.881 ± 7.435
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

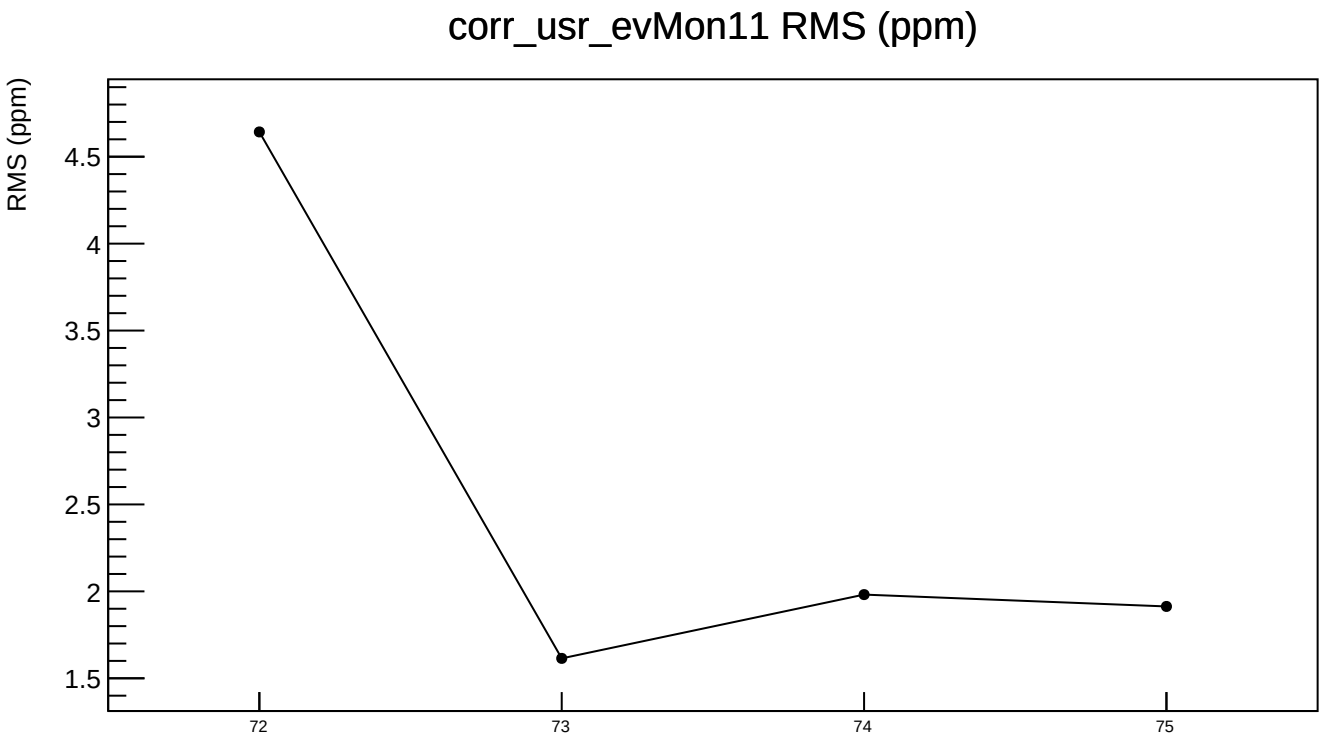

corr_usr_evMon9 RMS (ppm)
RMS (ppm)
9
8.5
8
7.5
7
6.5
6
5.5
72
73
74
75


corr_usr_evMon10 (ppb)
χ² / ndf 2.066 / 3
p0 −0.9397 ± 3.918
20
15
10
5
0
−5
−10
−15
−20
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
72
73
74
75


1D pull distribution
Mean 0.05295 ± 0.3584
Std Dev 0.7168 ± 0.2534
Underflow 0
Overflow 0
χ² / ndf 8.405e−10 / 0
Constant 2.52 ± 2.73
Mean −0.2667 ± 0.4083
Sigma 0.7846 ± 0.5950
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


corr_usr_evMon10 RMS (ppm)
RMS (ppm)
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
72
73
74
75


corr_usr_evMon11 (ppb)
χ² / ndf 1.28 / 3
p0 −2.05 ± 2.997
1D pull distribution
Mean 0.01769 ± 0.2827
Std Dev 0.5654 ± 0.1999
Underflow 0
Overflow 0
χ² / ndf 1.138e−08 / 0
Constant 3.442 ± 0.000
Mean 5.537e−17 ± 1.414e+00
Sigma 0.5088 ± 0.0001


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
72
73
74
75