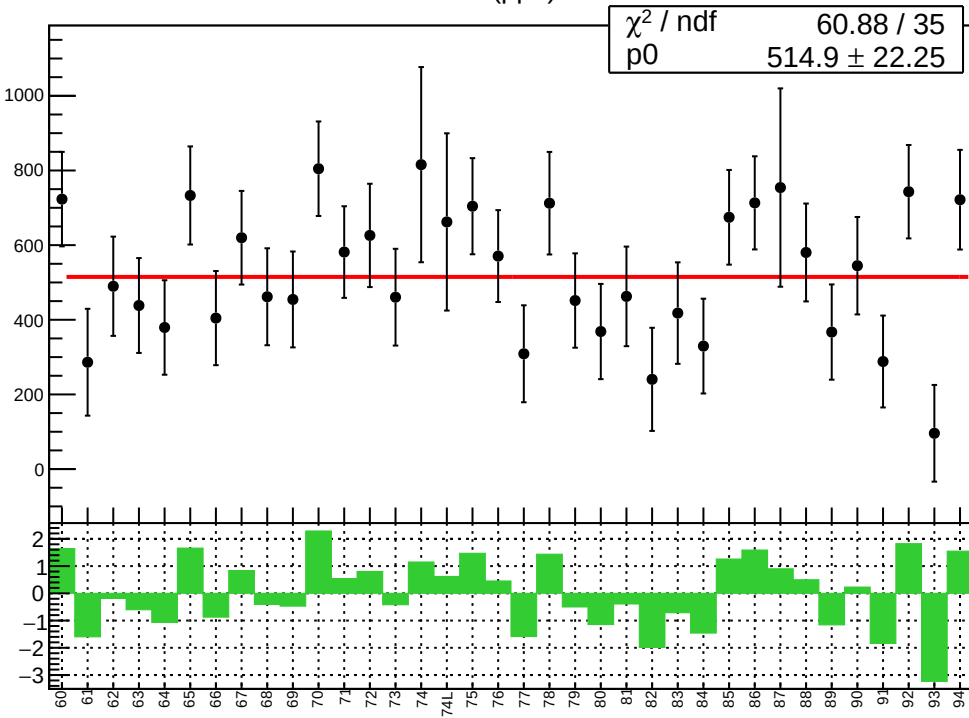
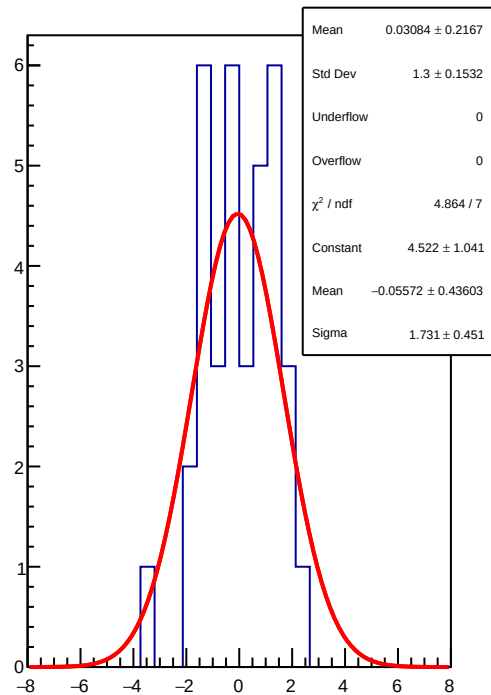


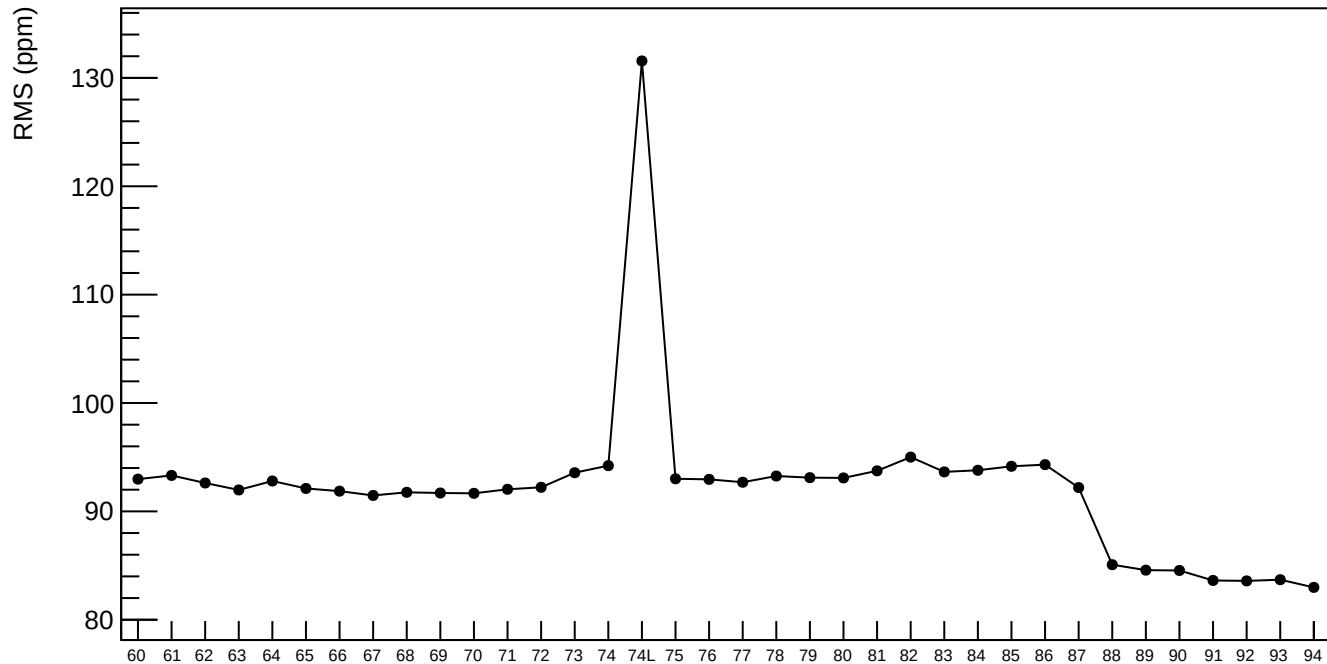
Adet (ppb)



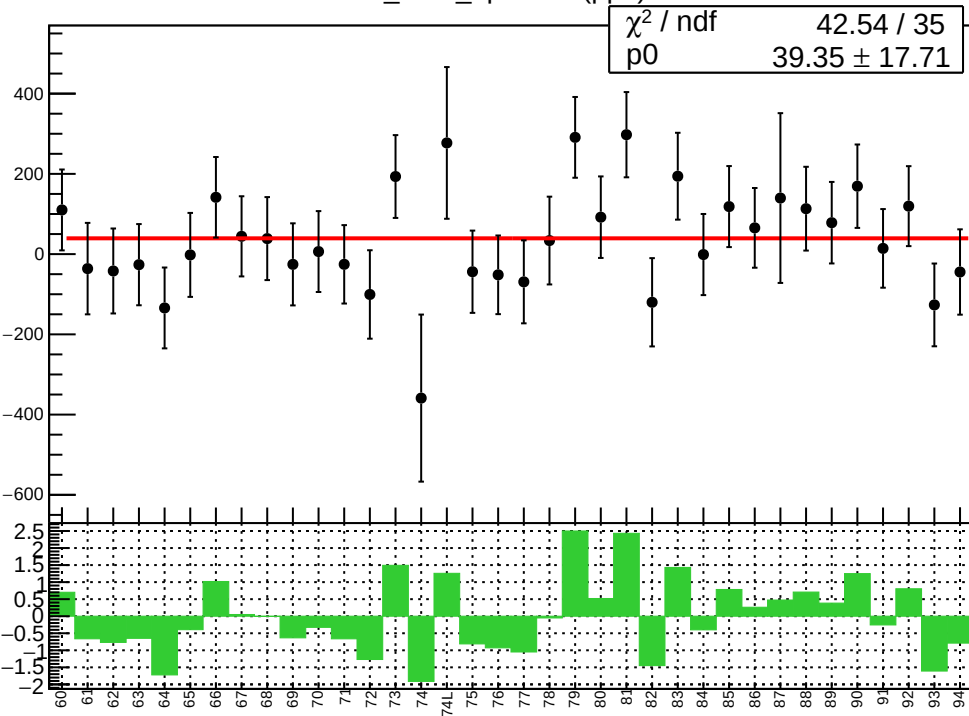
1D pull distribution



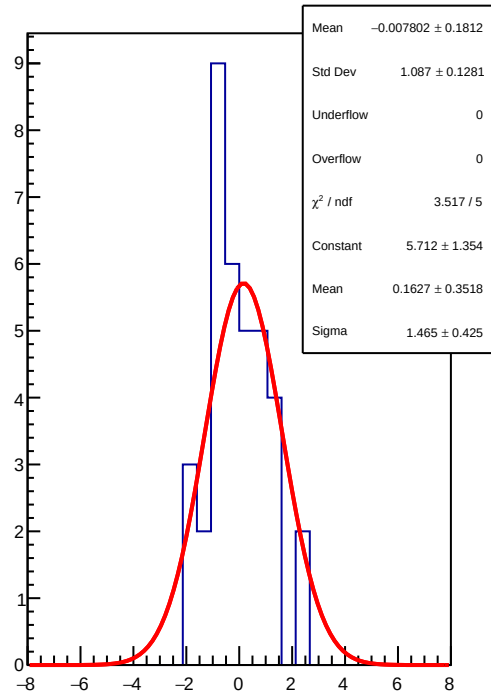
Adet RMS (ppm)



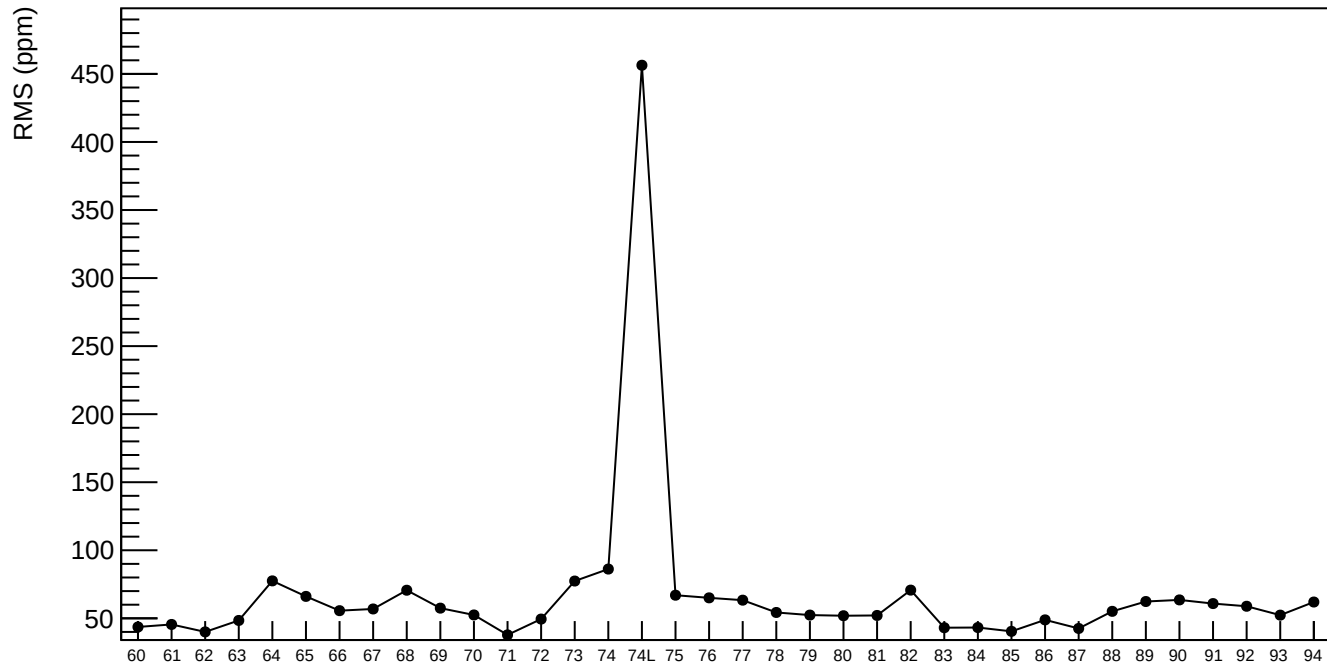
corr_Adet_bpm4eX (ppb)



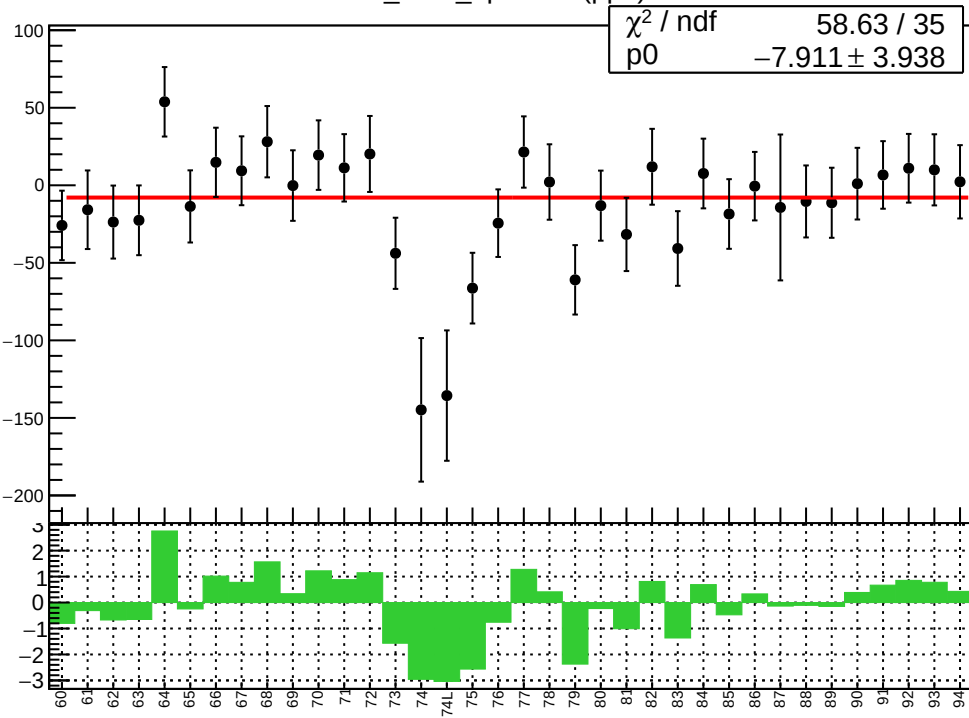
1D pull distribution



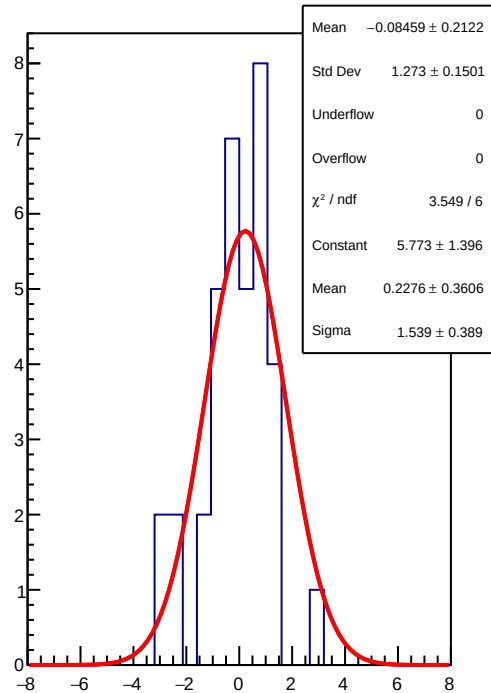
corr_Adet_bpm4eX RMS (ppm)



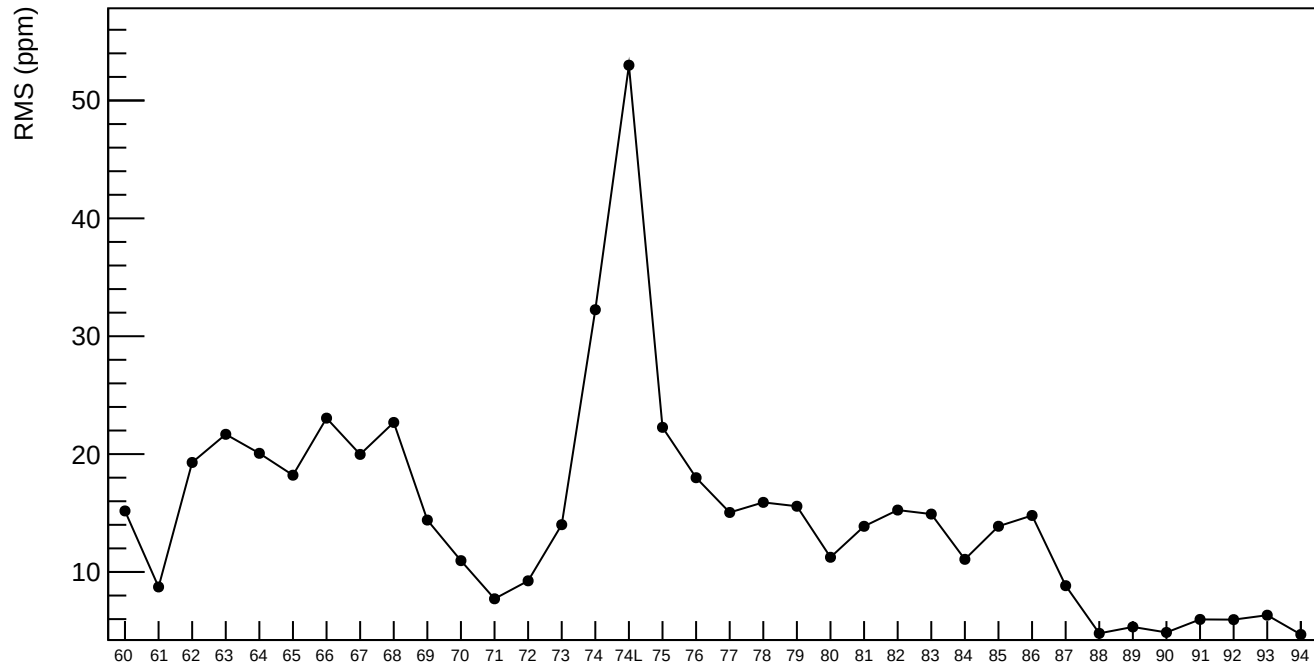
corr_Adet_bpm4eY (ppb)



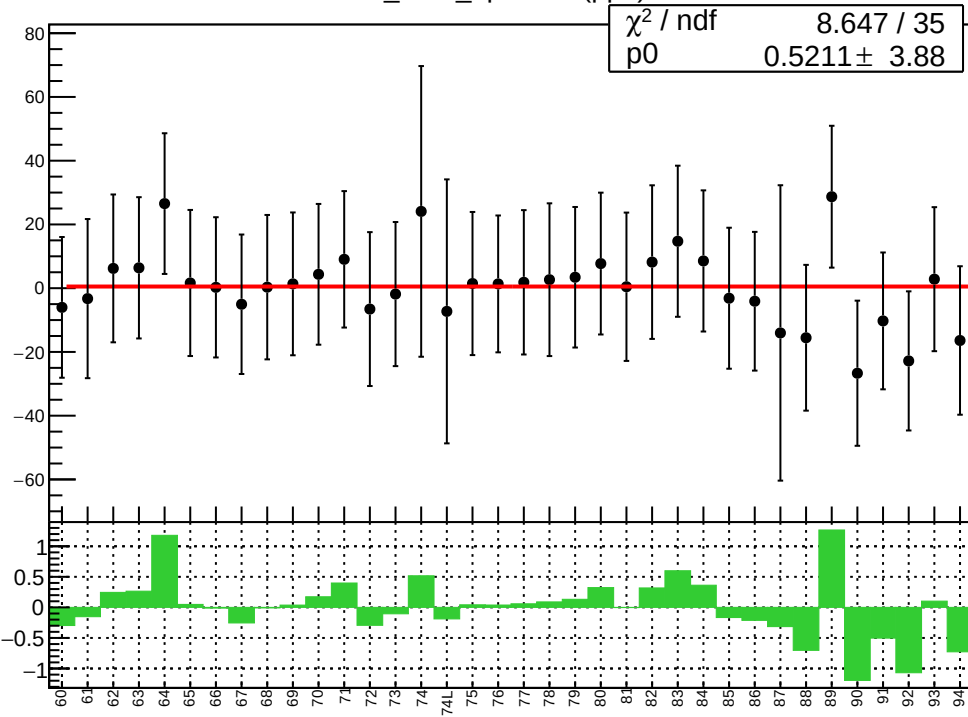
1D pull distribution



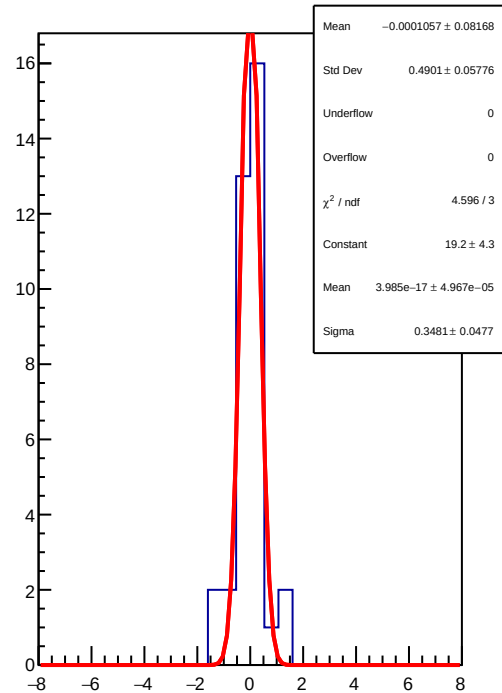
corr_Adet_bpm4eY RMS (ppm)



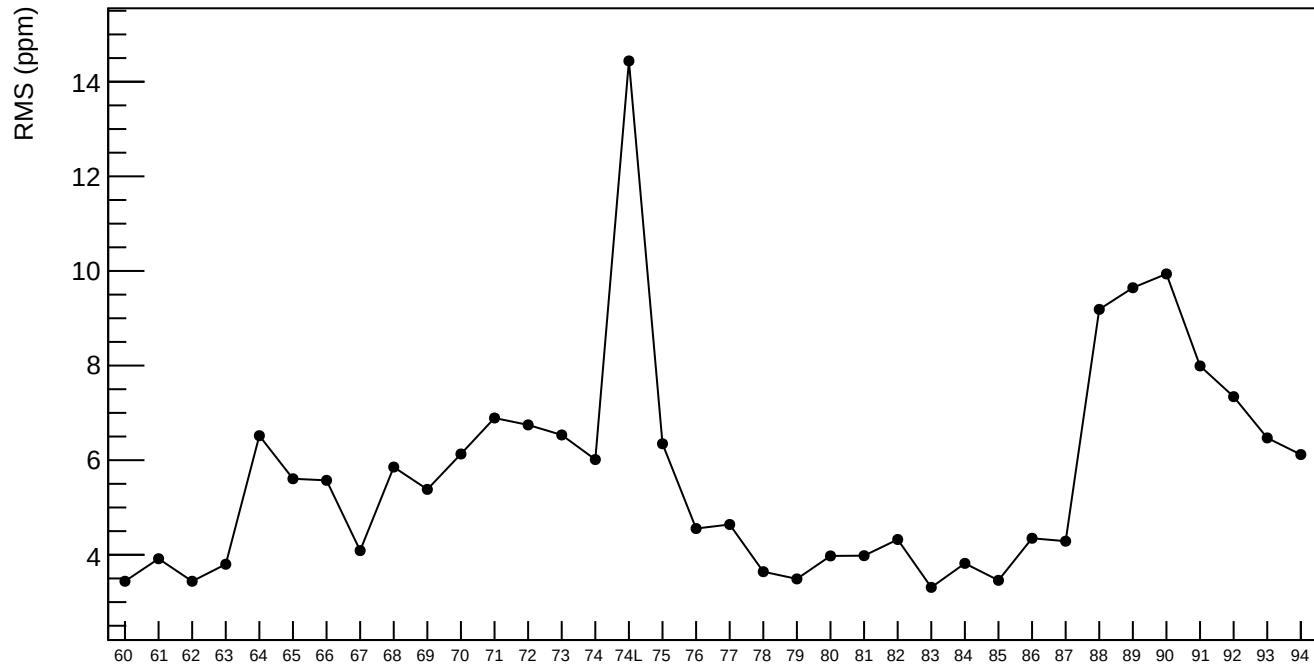
corr_Adet_bpm4aX (ppb)



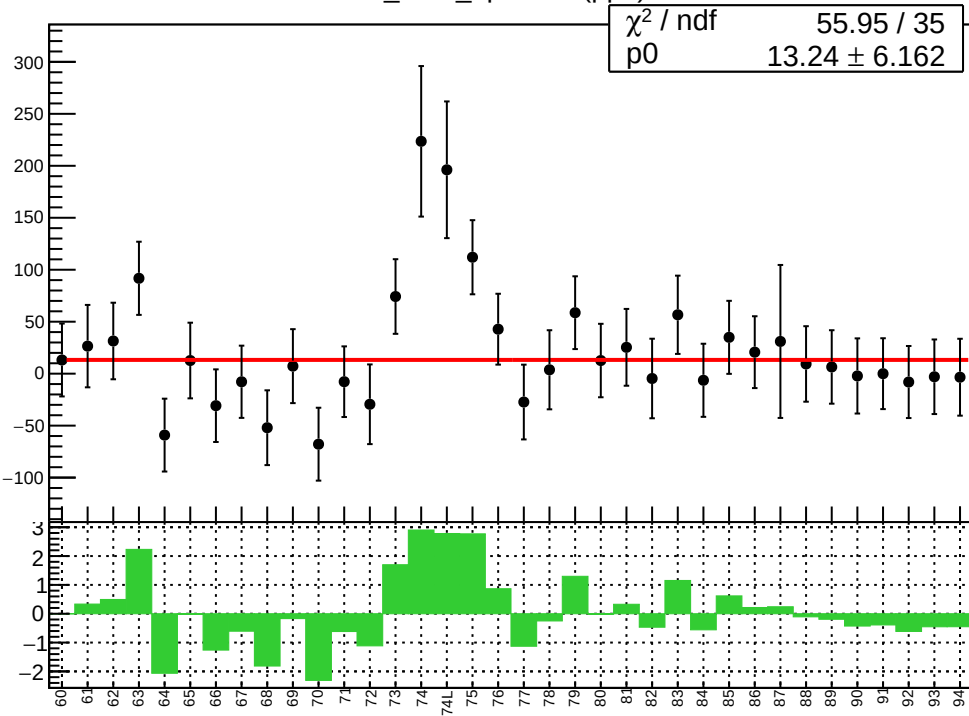
1D pull distribution



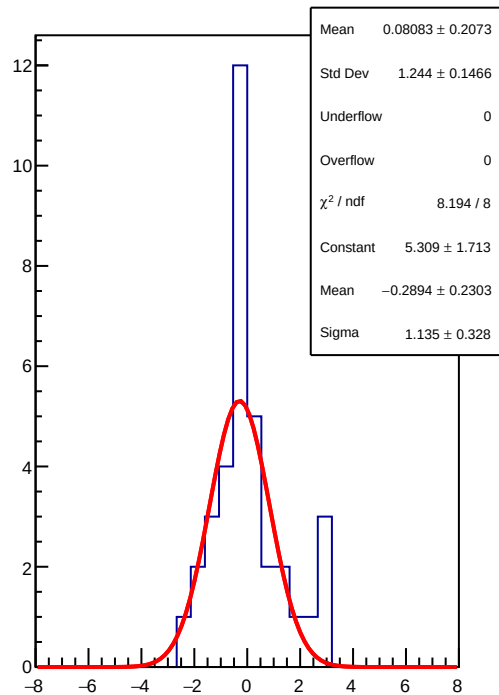
corr_Adet_bpm4aX RMS (ppm)



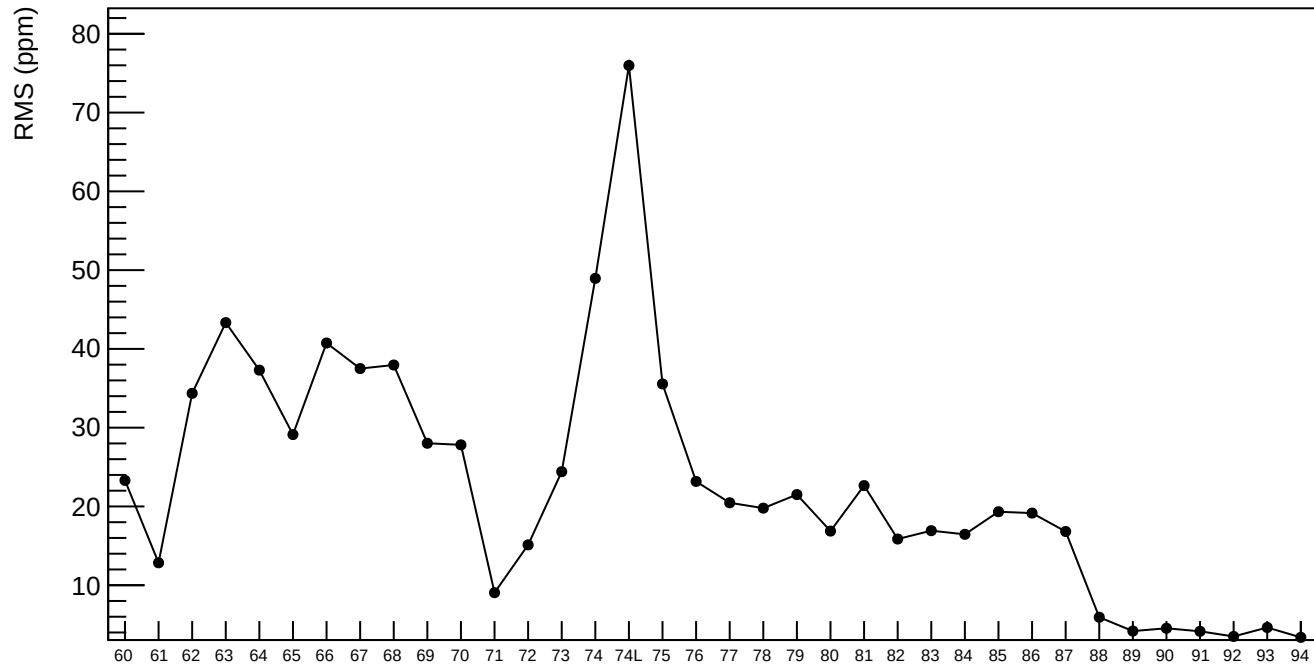
corr_Adet_bpm4aY (ppb)



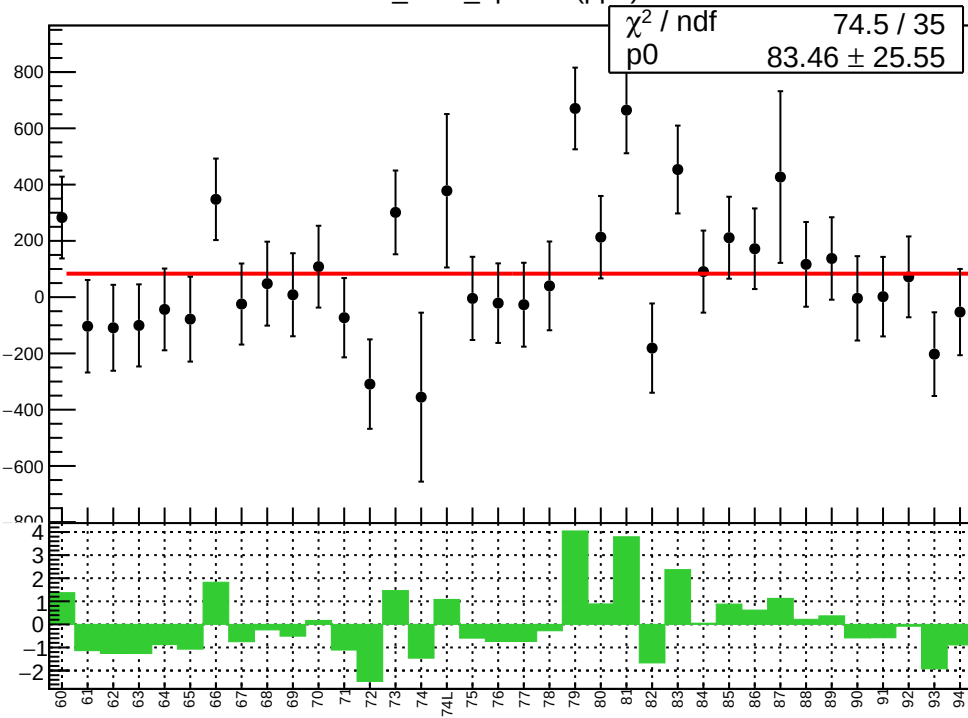
1D pull distribution



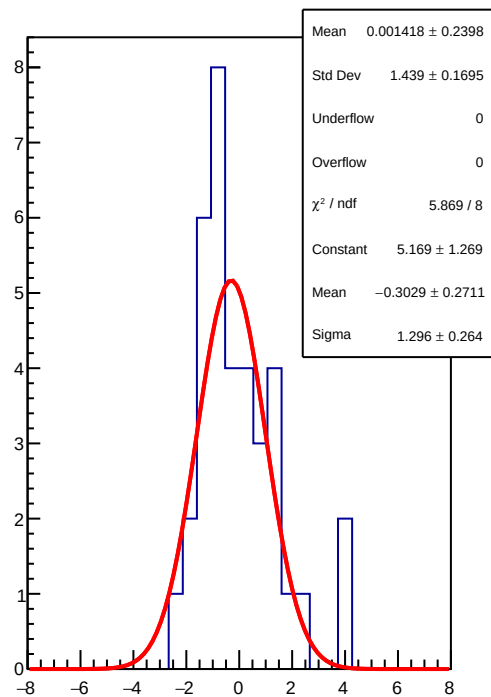
corr_Adet_bpm4aY RMS (ppm)



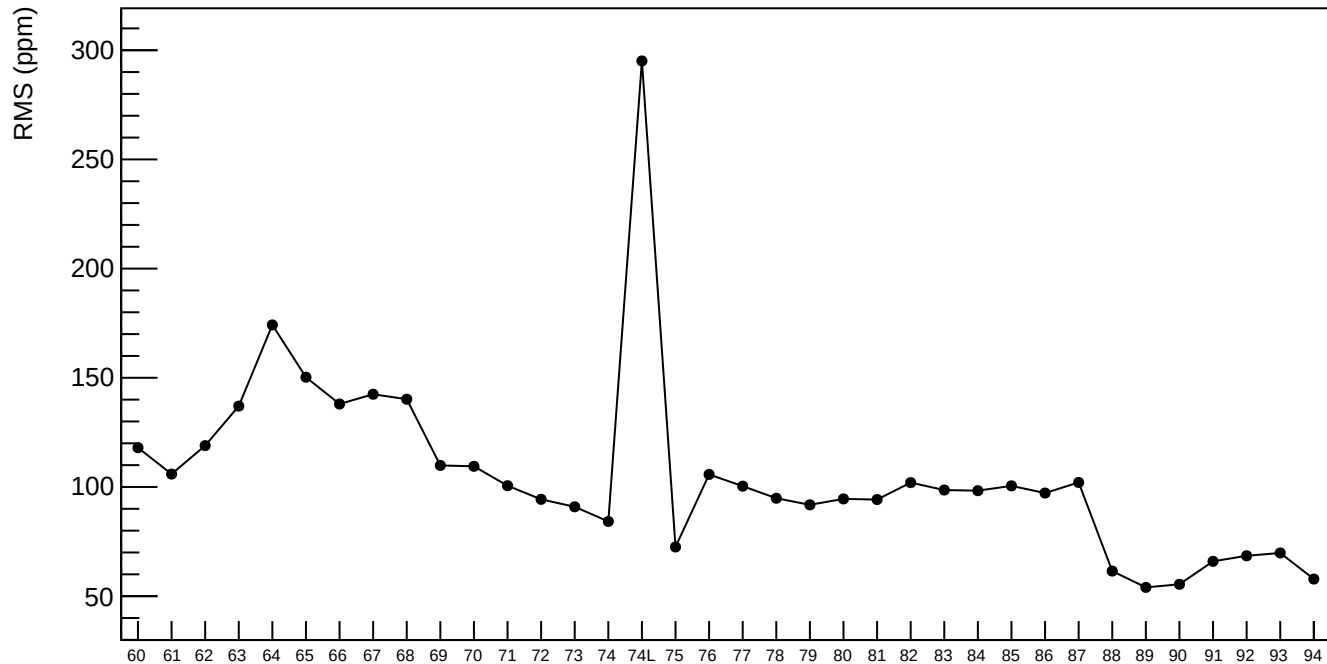
corr_Adet_bpm1X (ppb)



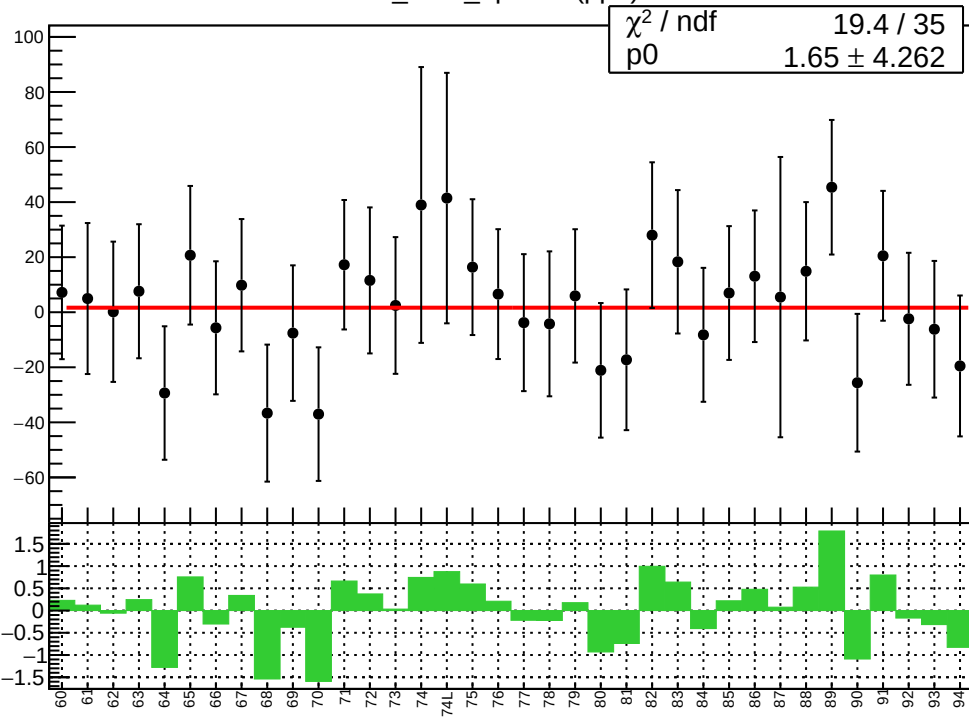
1D pull distribution



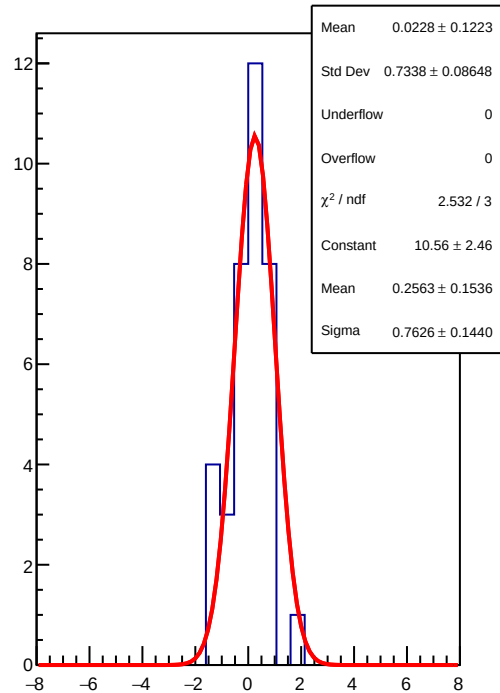
corr_Adet_bpm1X RMS (ppm)



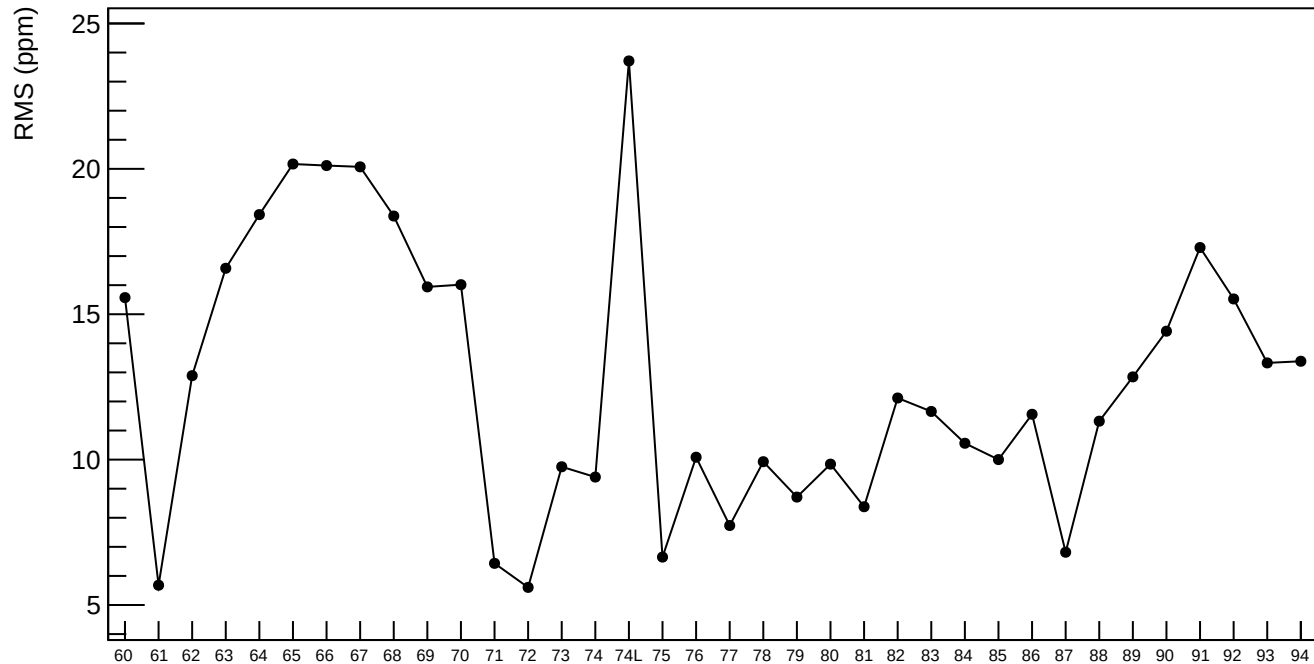
corr_Adet_bpm1Y (ppb)



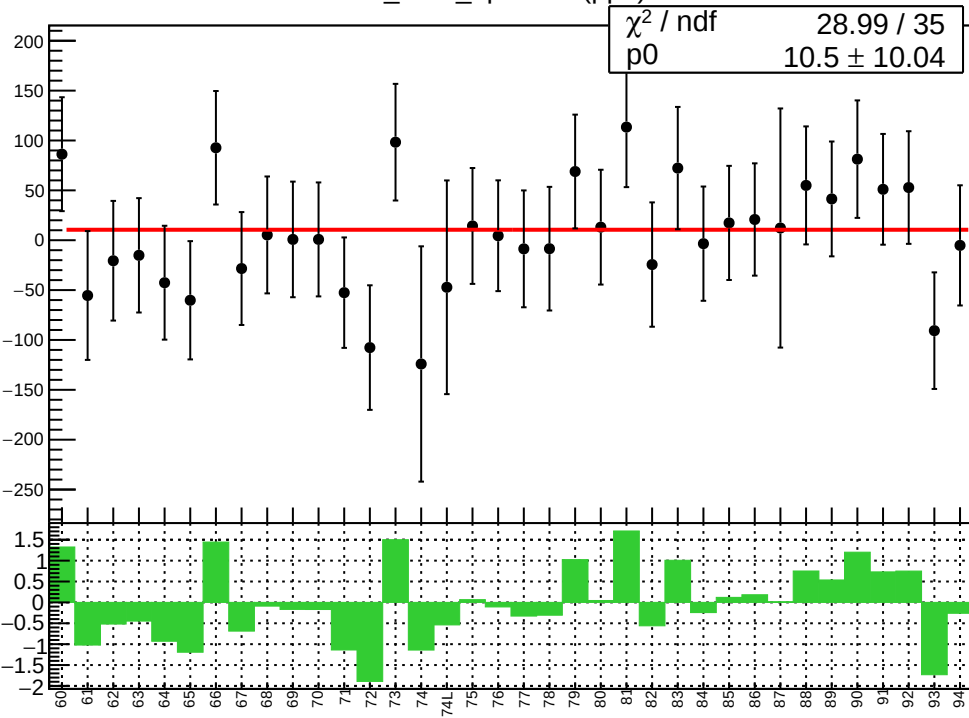
1D pull distribution



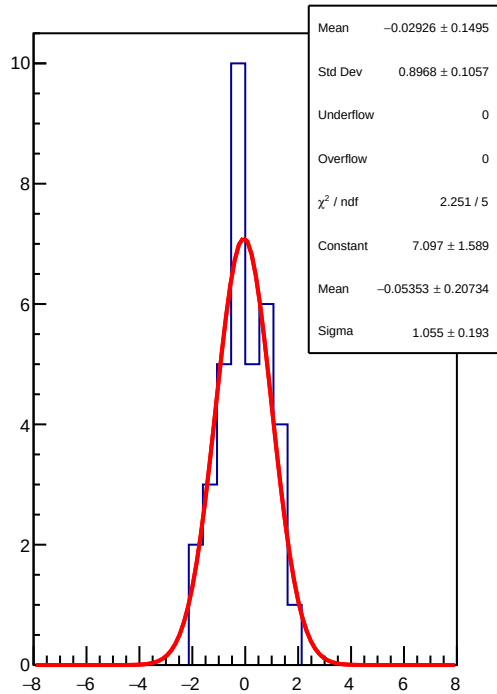
corr_Adet_bpm1Y RMS (ppm)



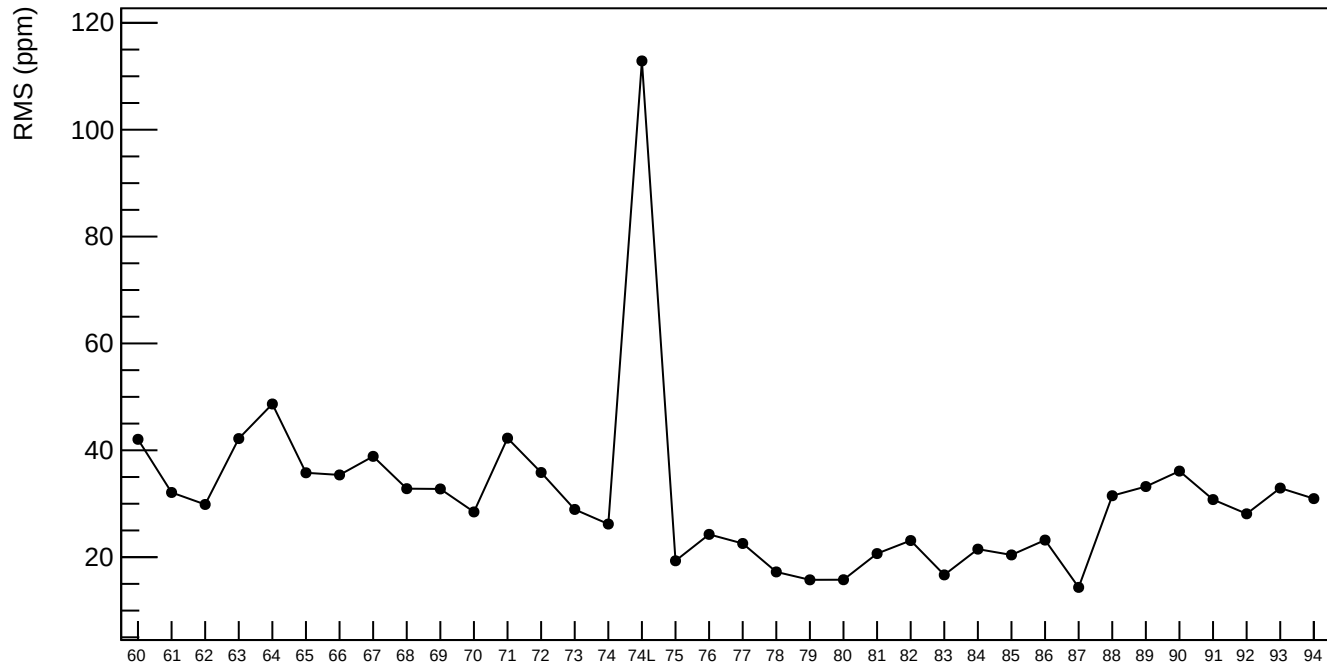
corr_Adet_bpm16X (ppb)



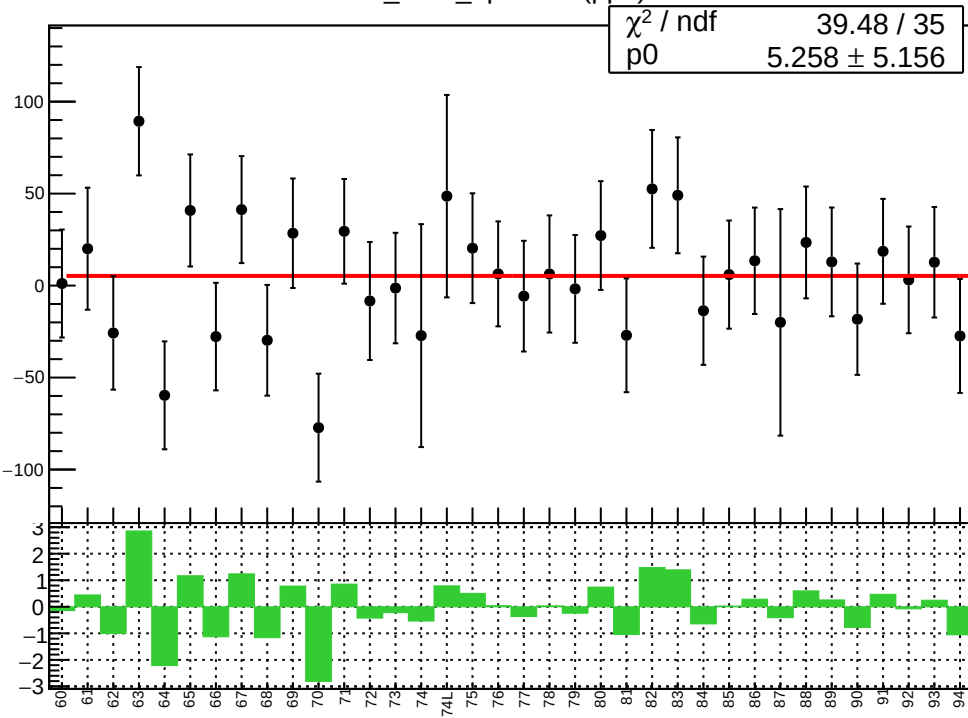
1D pull distribution



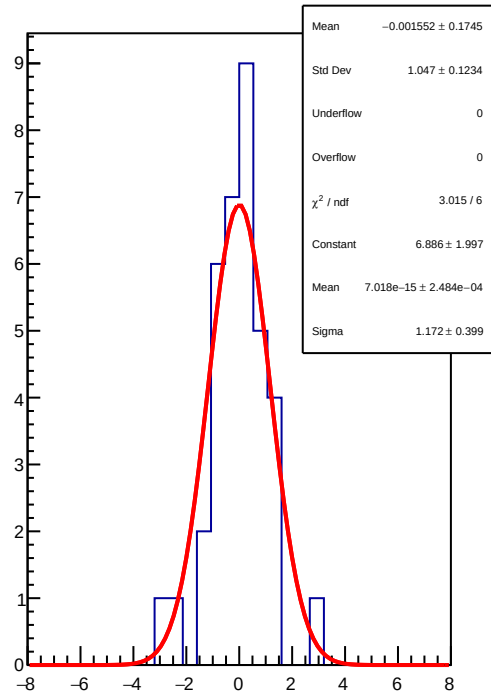
corr_Adet_bpm16X RMS (ppm)



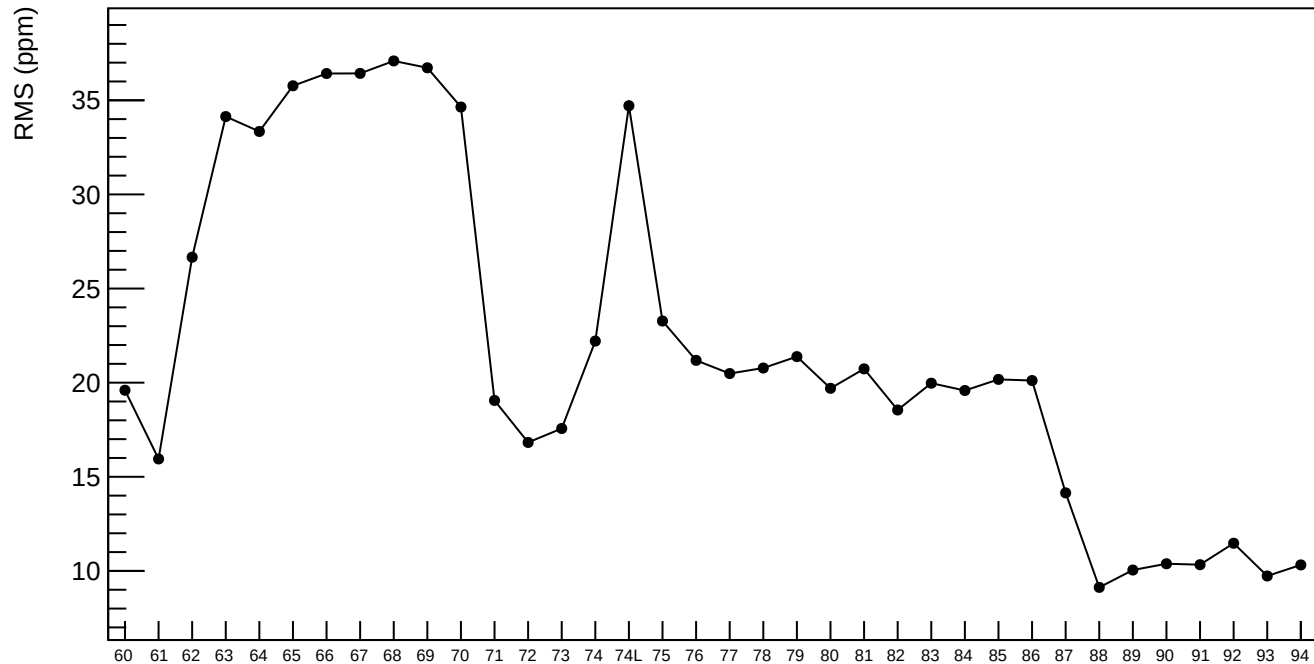
corr_Adet_bpm16Y (ppb)



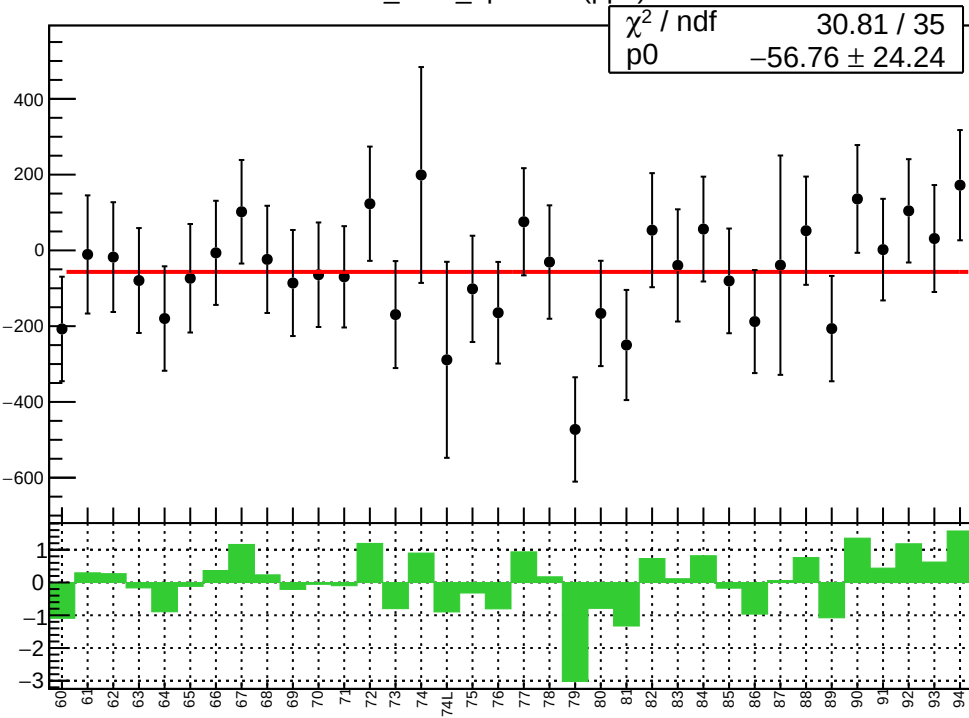
1D pull distribution



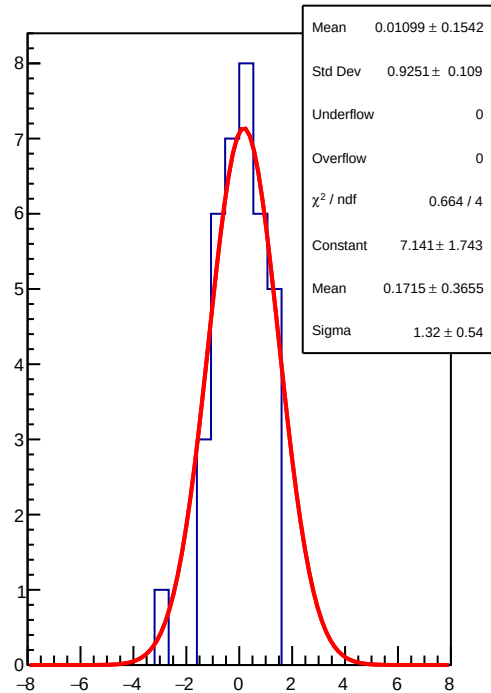
corr_Adet_bpm16Y RMS (ppm)



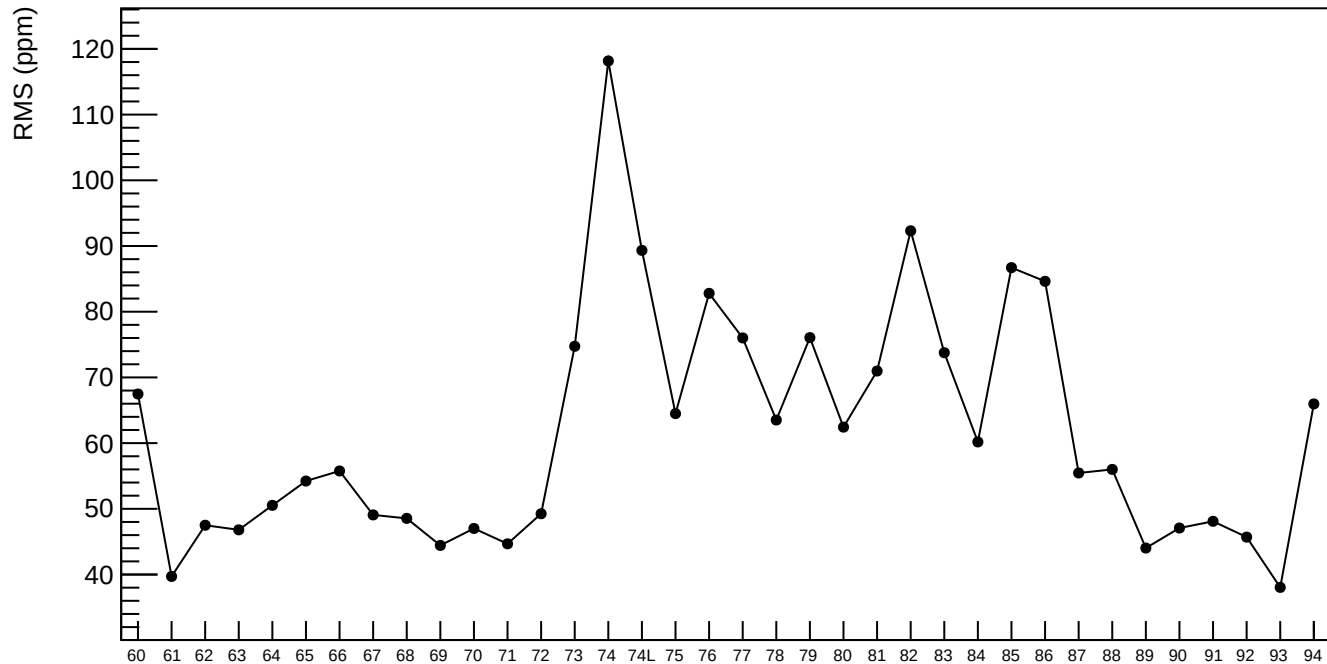
corr_Adet_bpm12X (ppb)



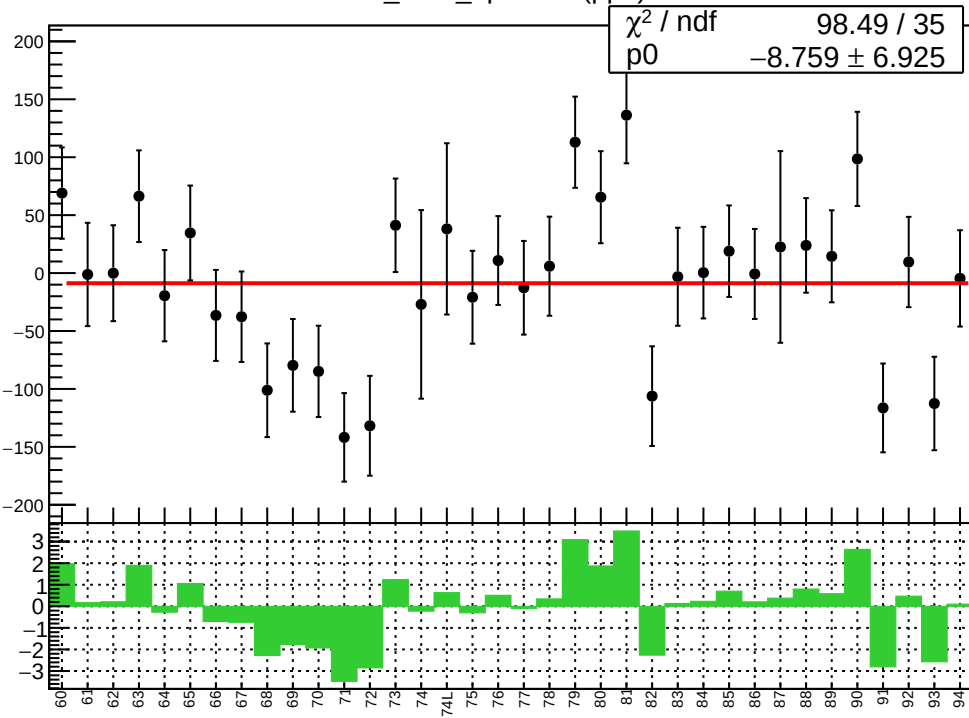
1D pull distribution



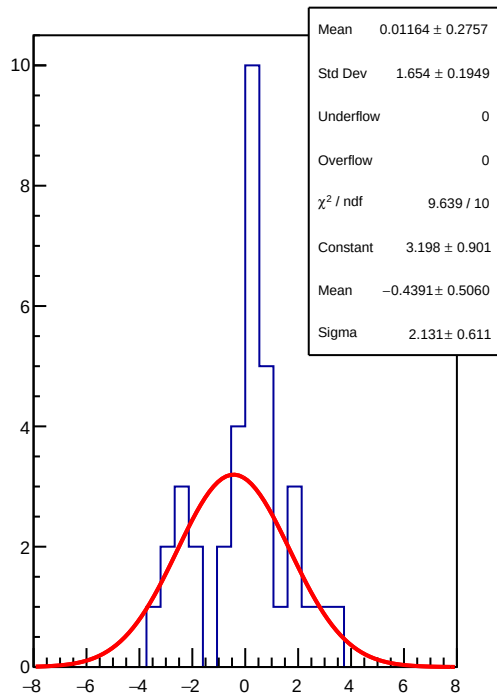
corr_Adet_bpm12X RMS (ppm)



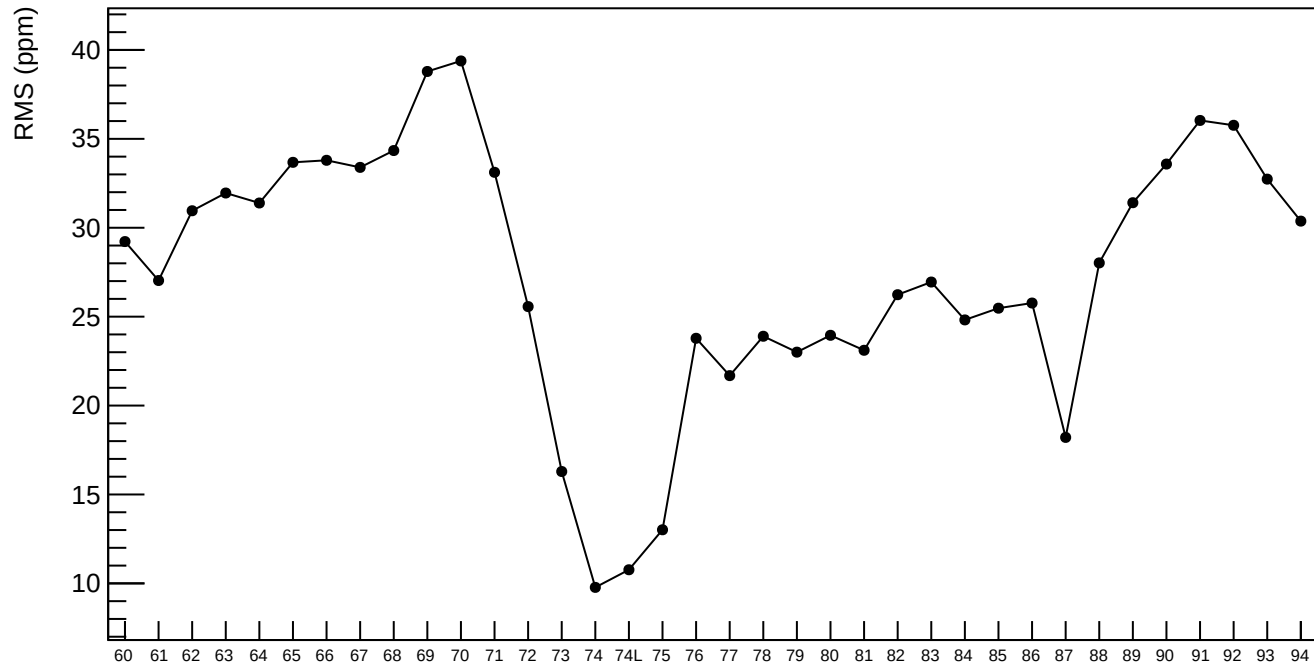
corr_Adet_bpm12Y (ppb)



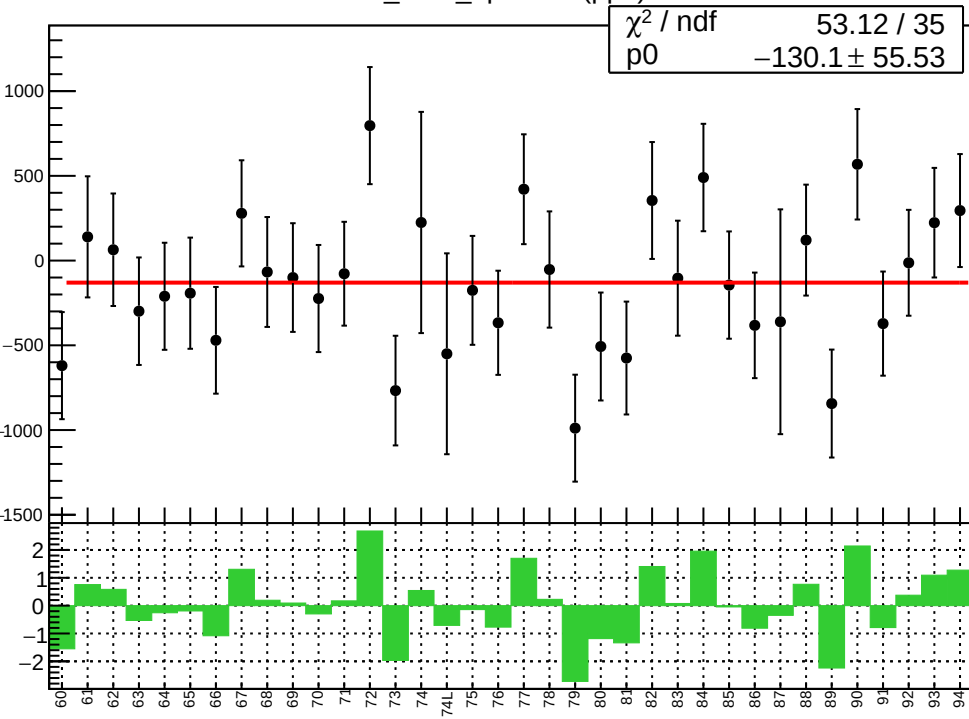
1D pull distribution



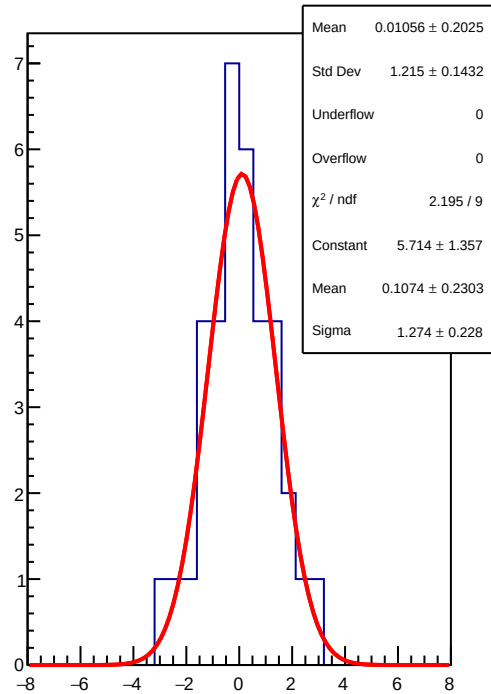
corr_Adet_bpm12Y RMS (ppm)



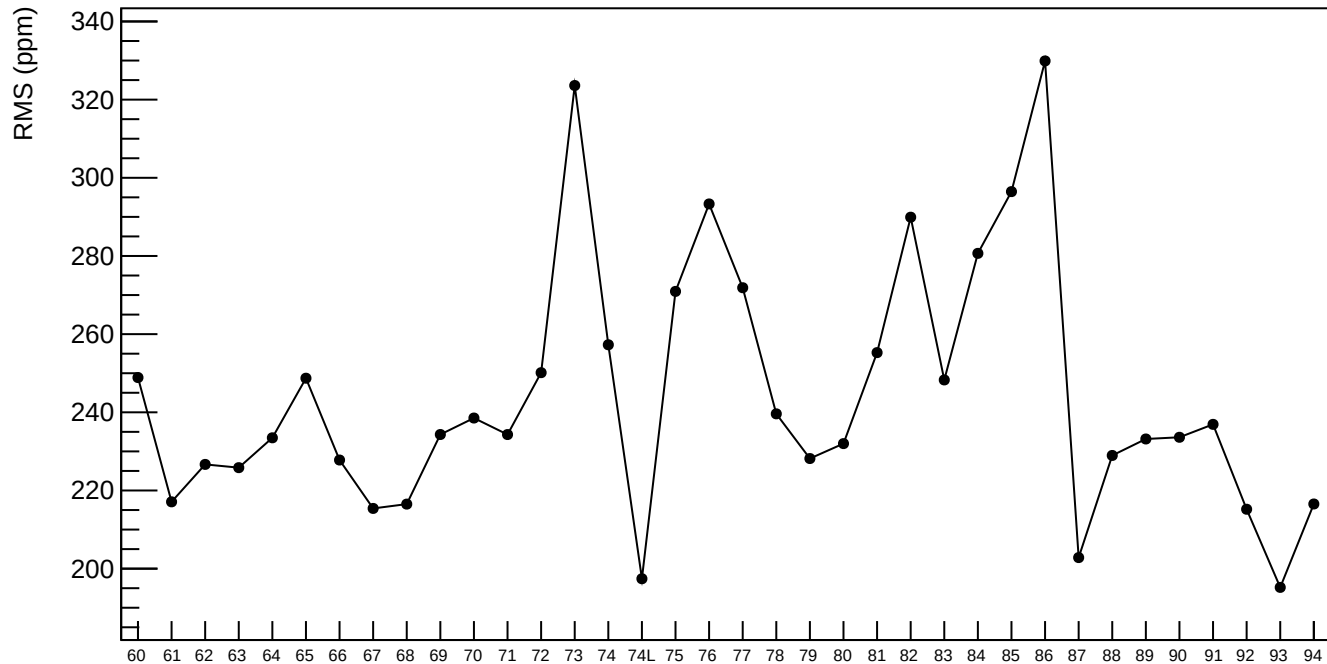
corr_Adet_bpm11X (ppb)



1D pull distribution



corr_Adet_bpm11X RMS (ppm)

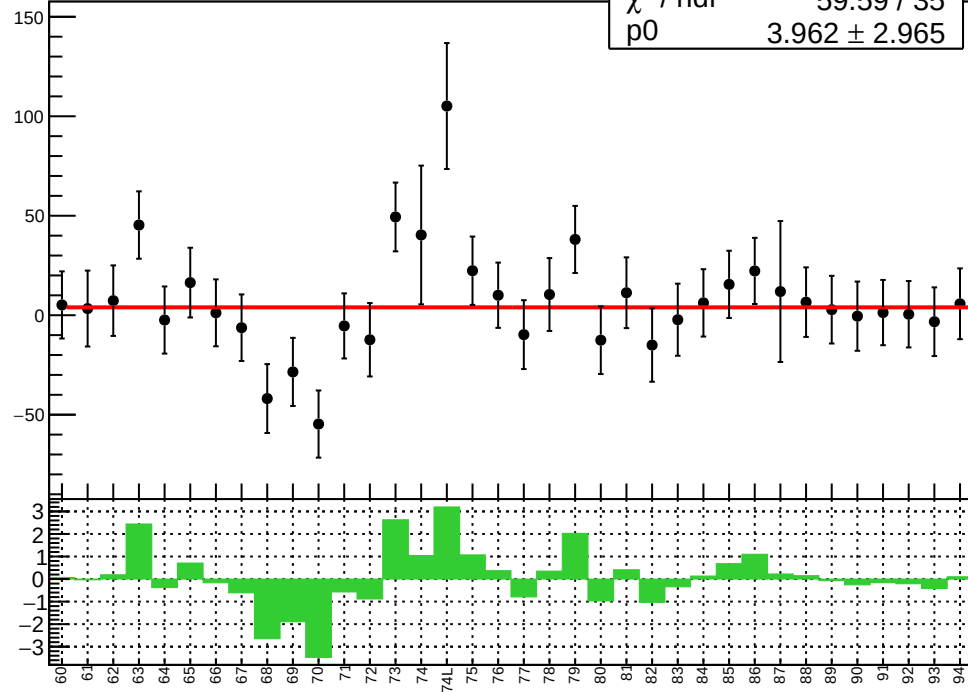


corr_Adet_bpm11Y (ppb)

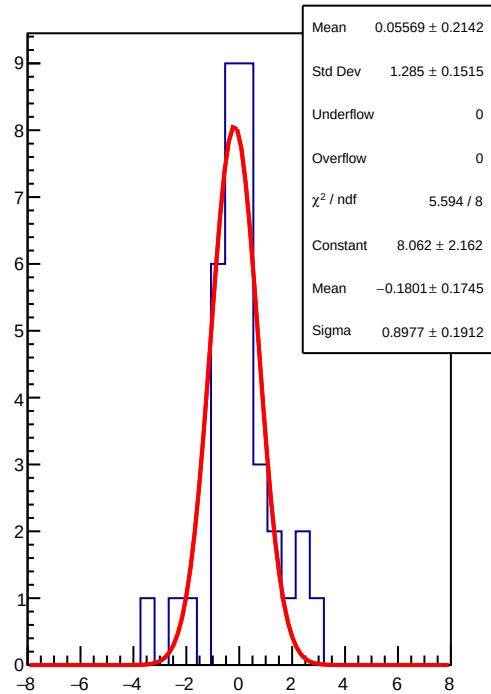
 χ^2 / nfd

59.59 / 35

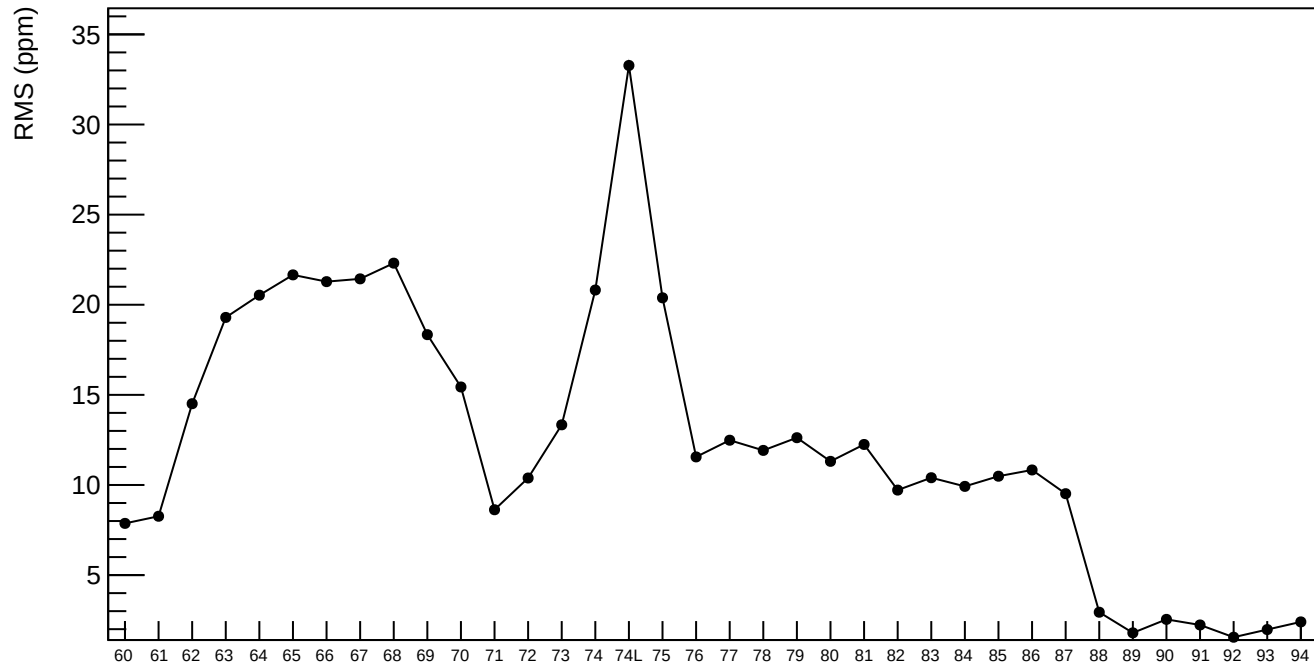
p0

 3.962 ± 2.965 

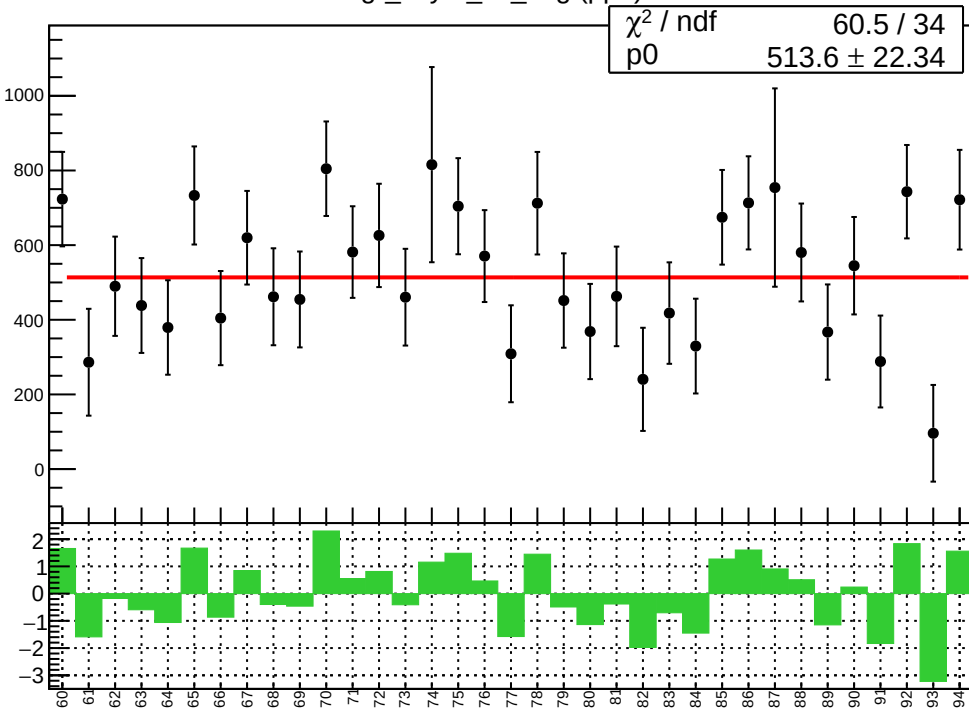
1D pull distribution



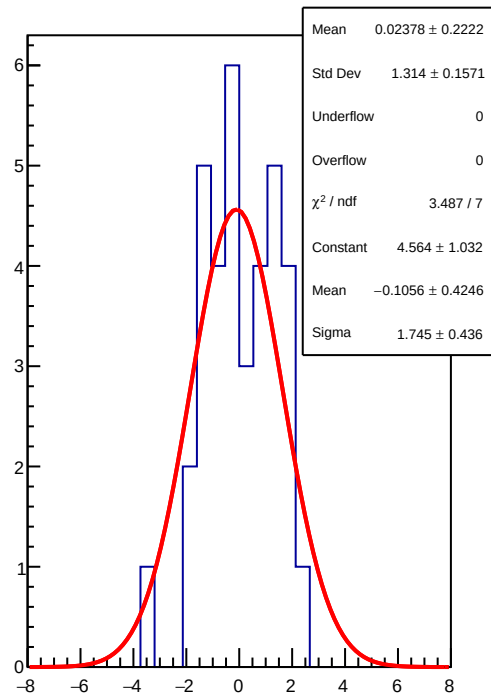
corr_Adet_bpm11Y RMS (ppm)



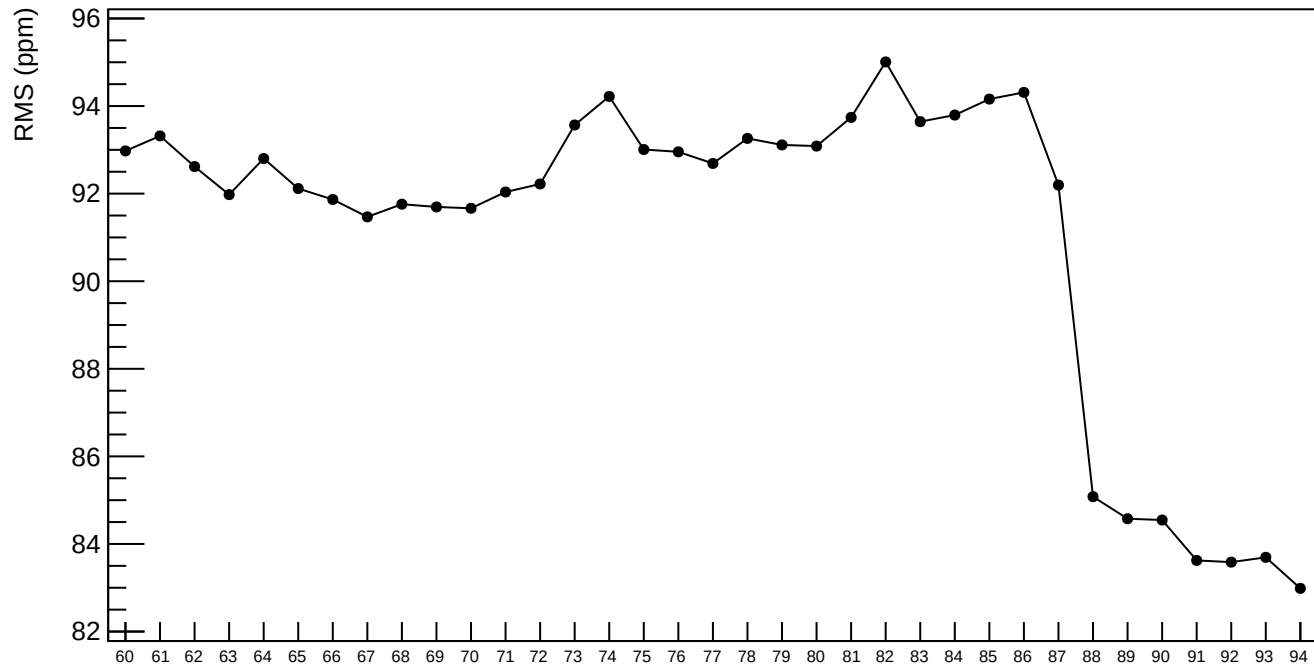
lagr_asym_us_avg (ppb)



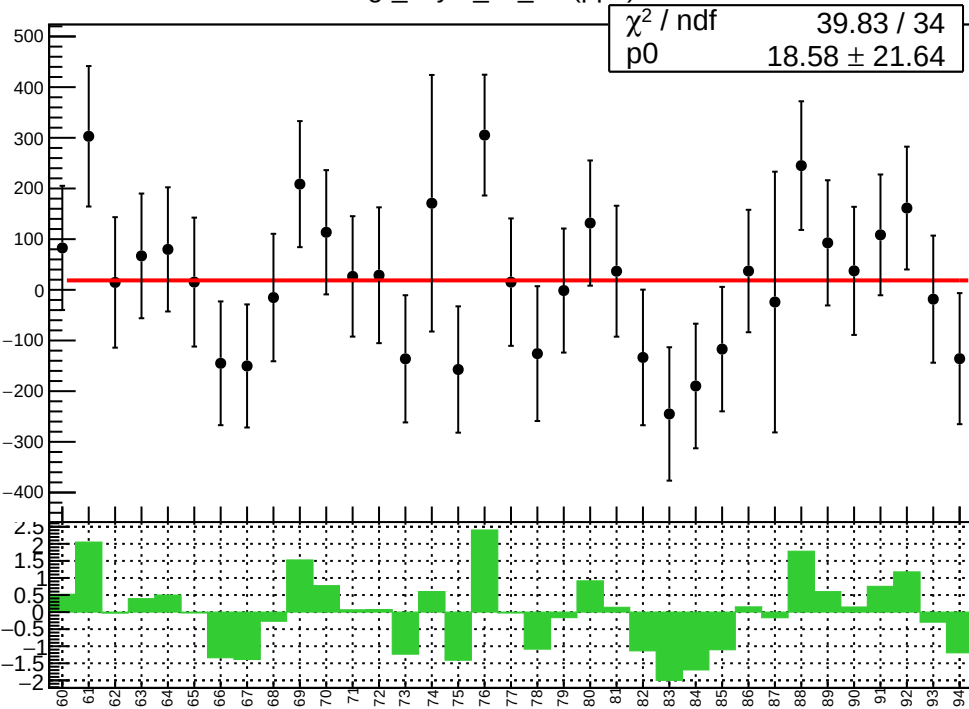
1D pull distribution



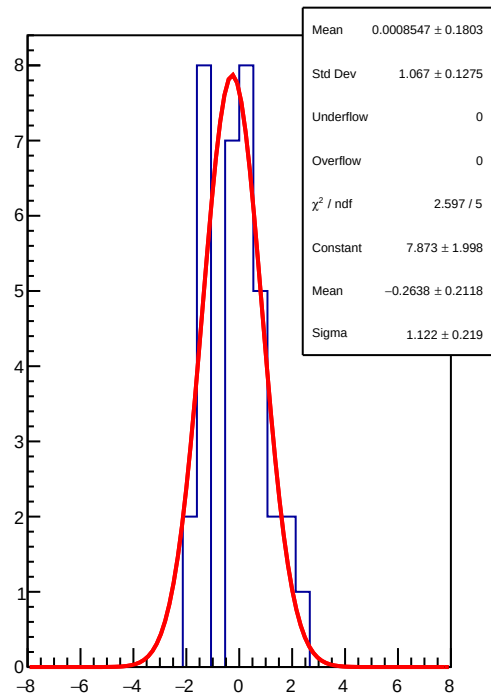
lagr_asym_us_avg RMS (ppm)



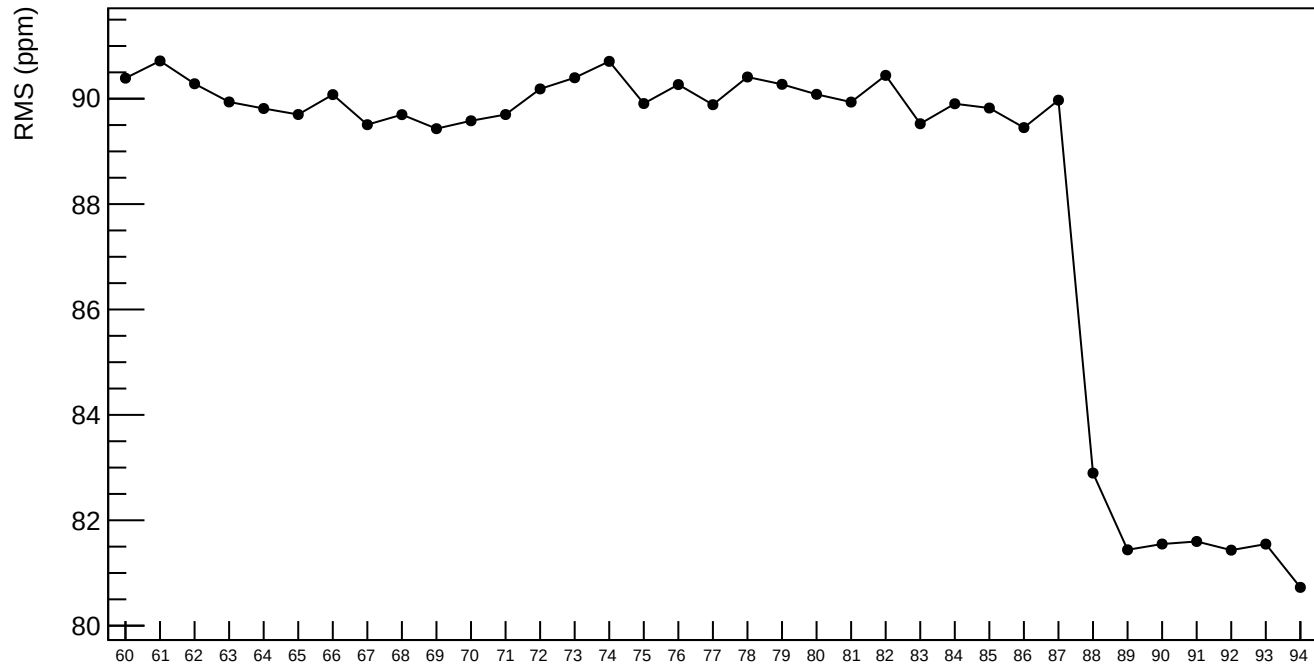
lagr_asym_us_dd (ppb)



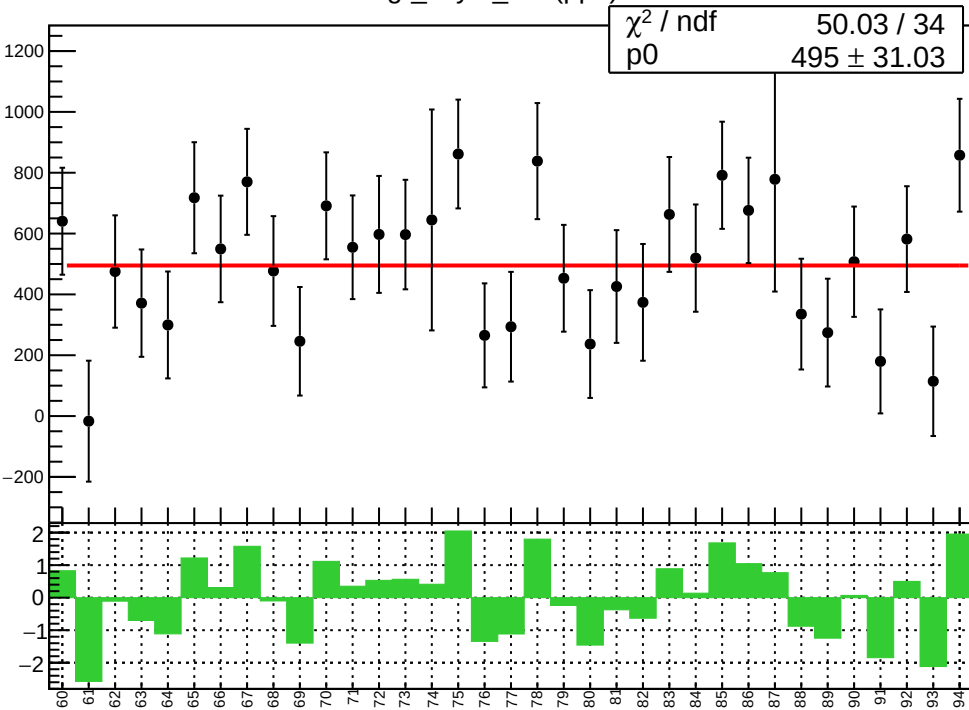
1D pull distribution



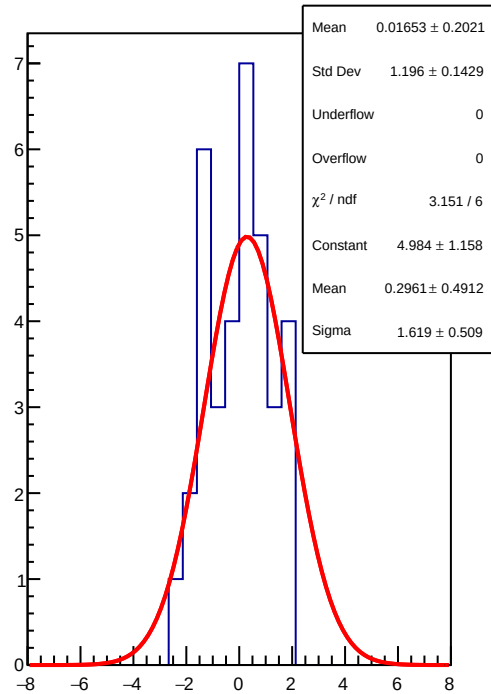
lagr_asym_us_dd RMS (ppm)



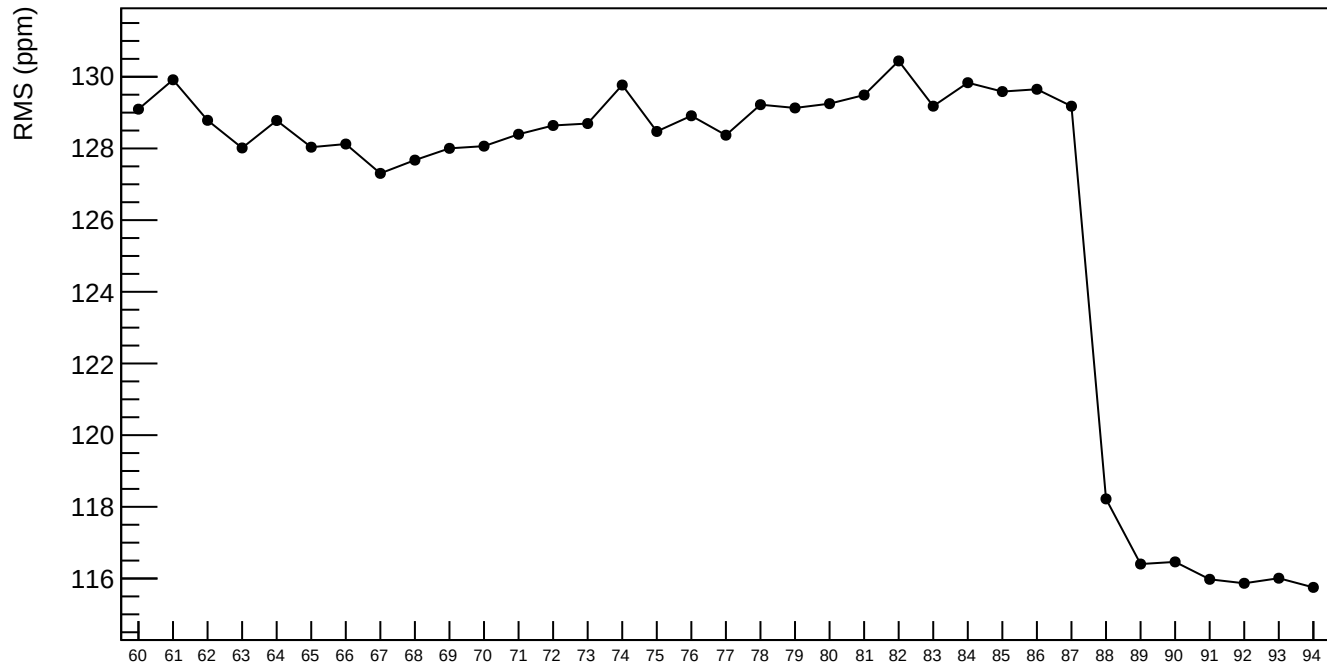
lagr_asym_usr (ppb)



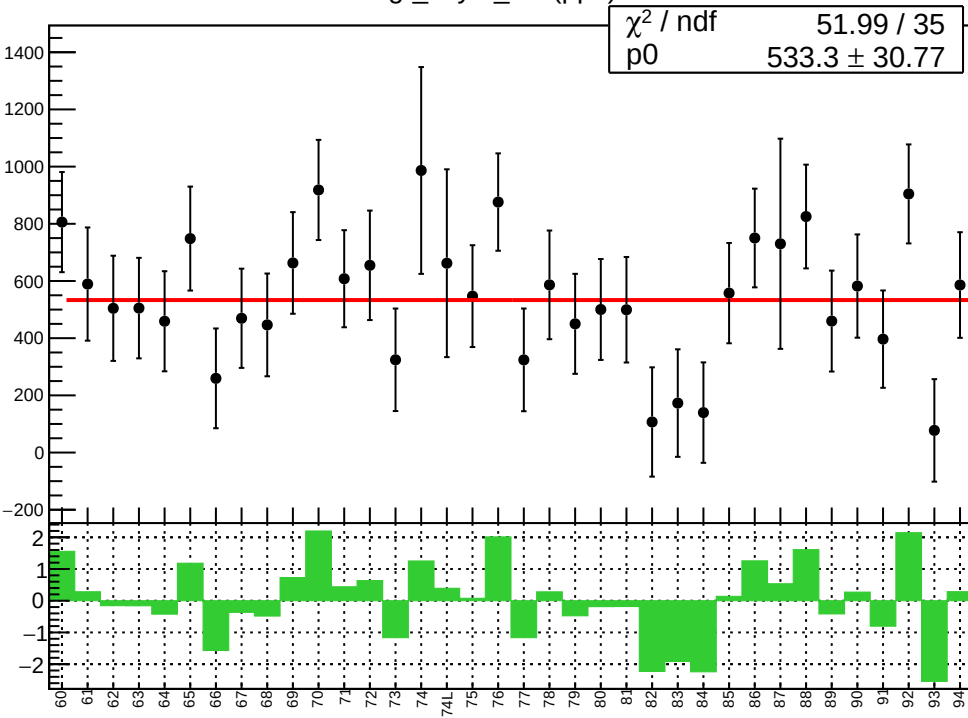
1D pull distribution



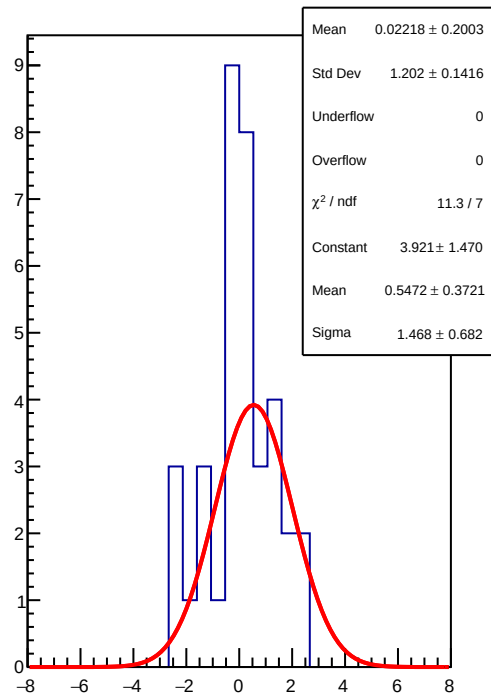
lagr_asym_usr RMS (ppm)



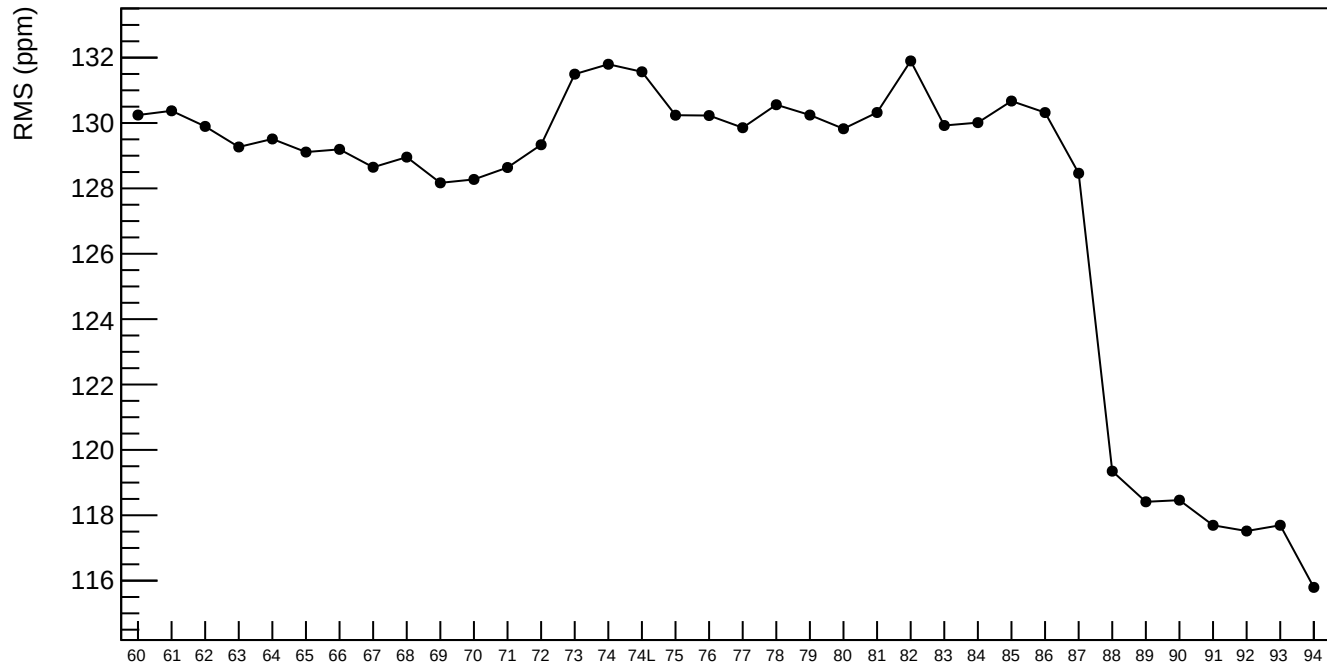
lagr_asym_usl (ppb)



1D pull distribution



lagr_asym_usl RMS (ppm)

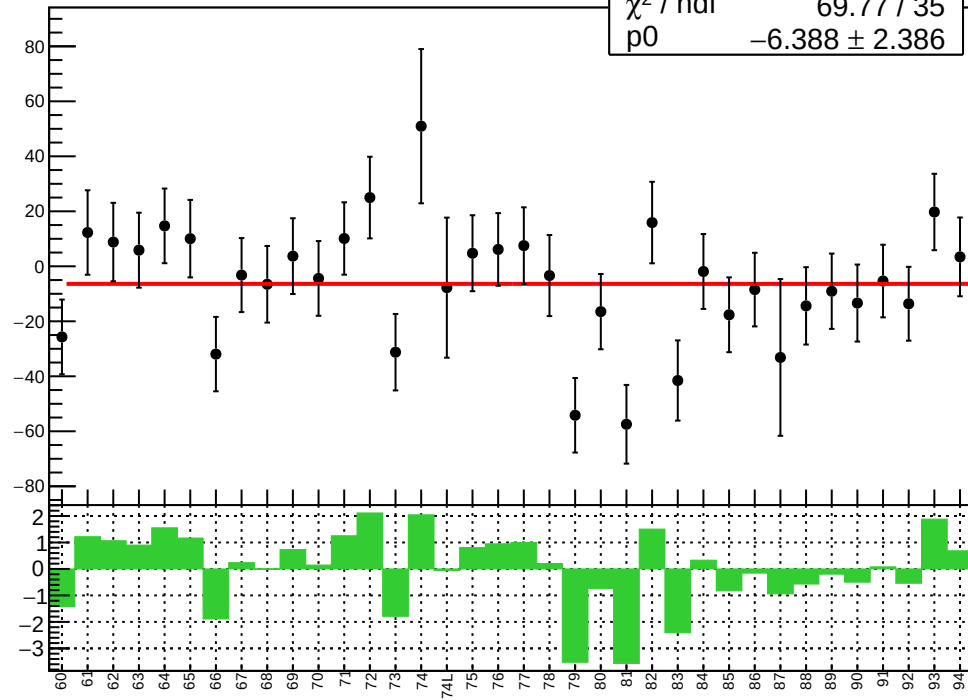


diff_bpm4eX (nm)

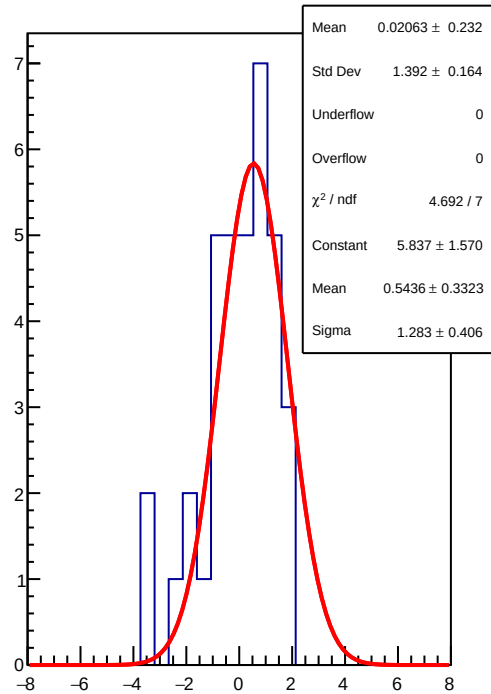
 χ^2 / ndf

69.77 / 35

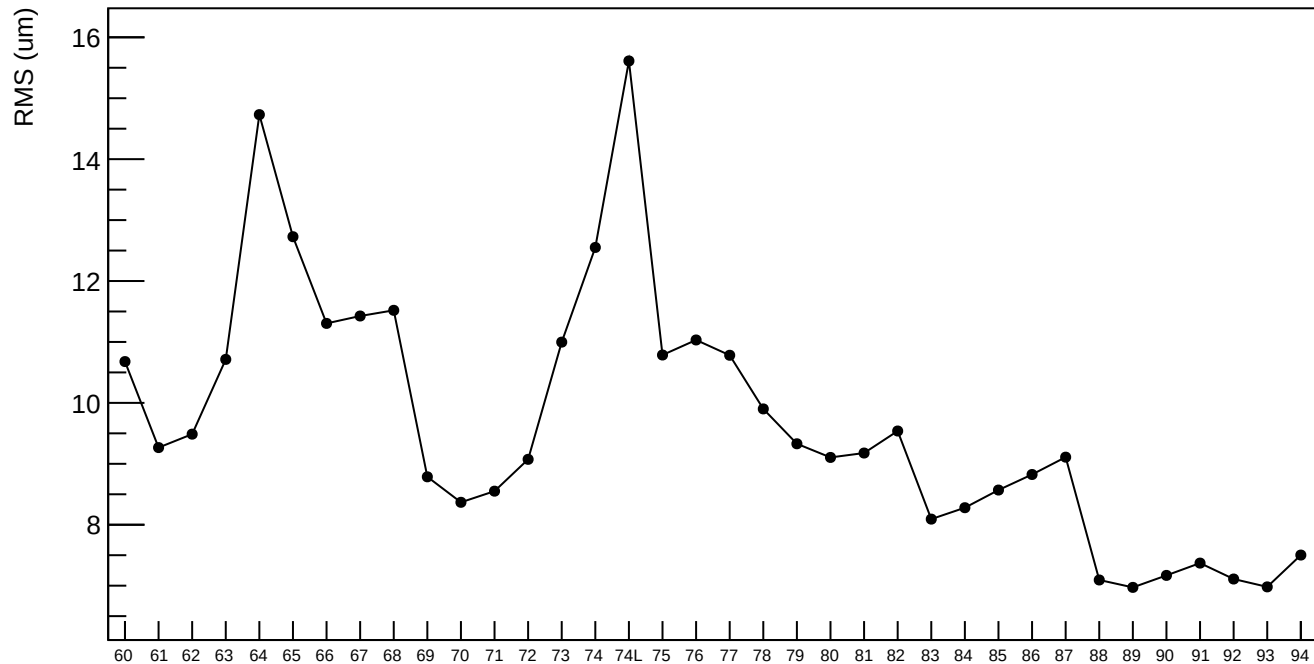
p0

 -6.388 ± 2.386 

1D pull distribution



diff_bpm4eX RMS (μm)

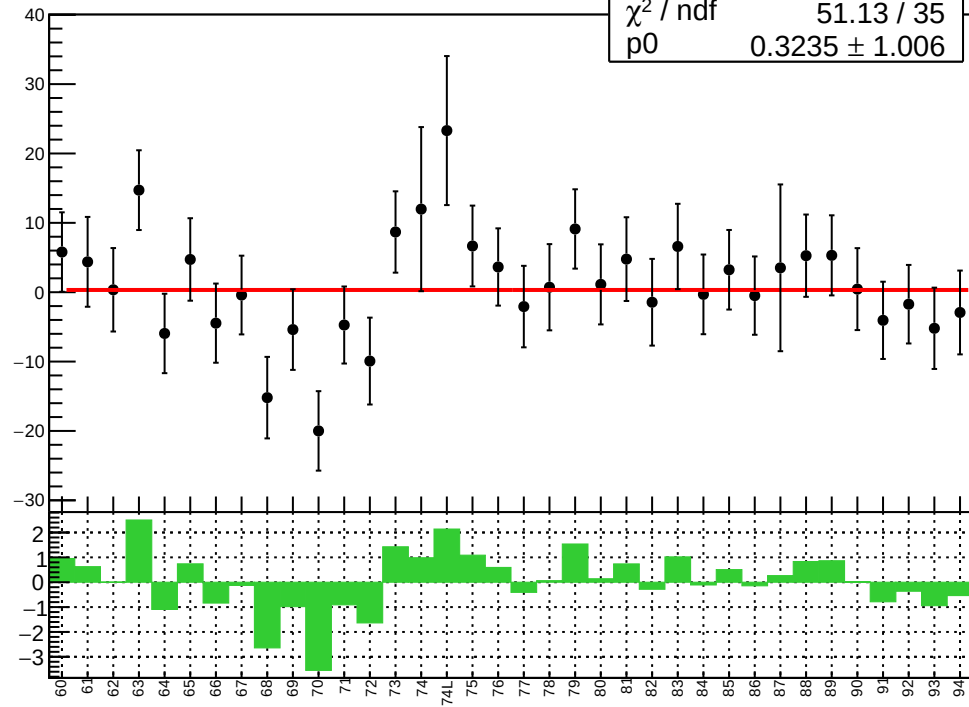


diff_bpm4eY (nm)

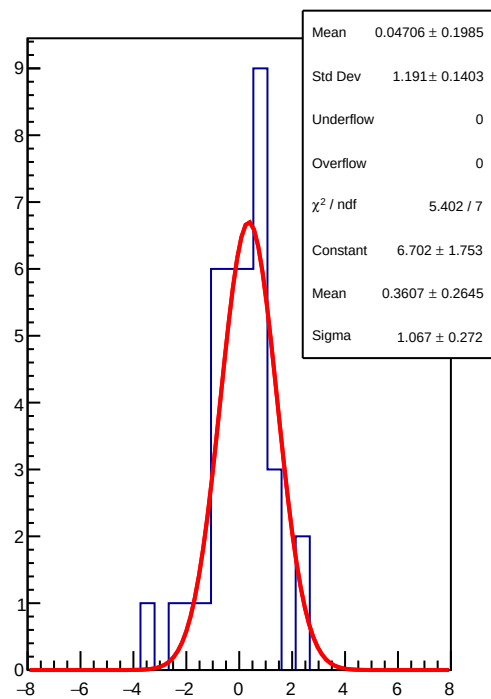
 χ^2 / ndf

51.13 / 35

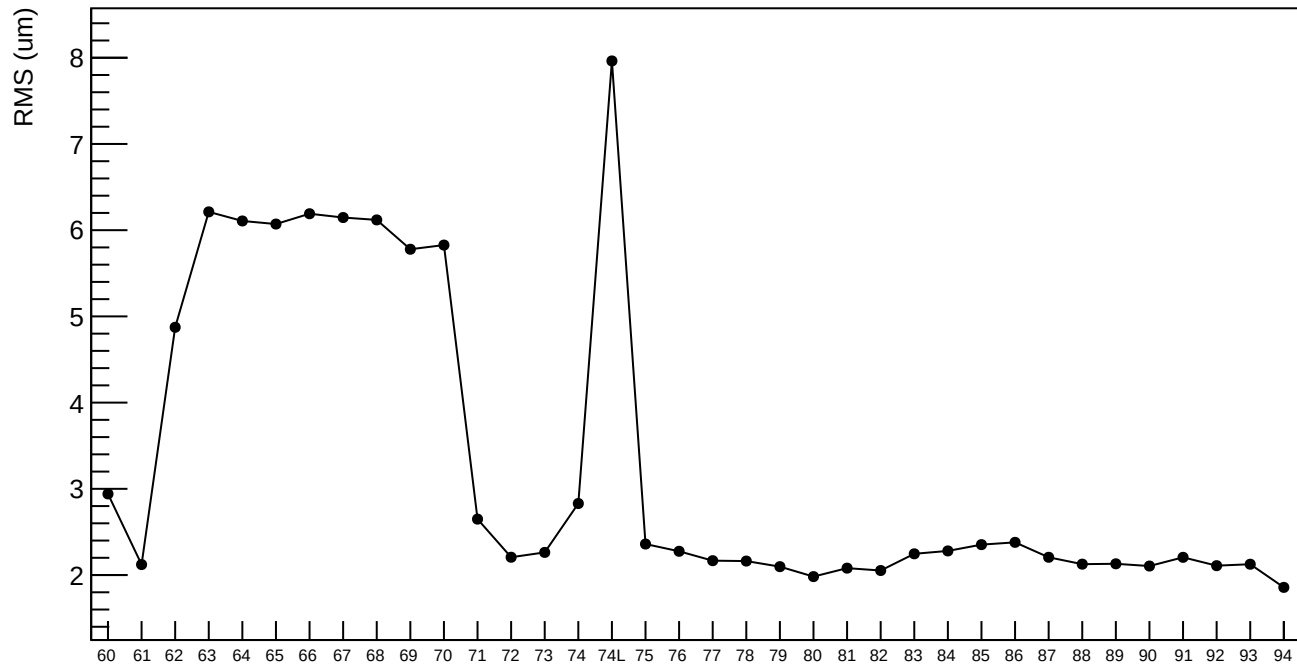
p0

 0.3235 ± 1.006 

1D pull distribution



diff_bpm4eY RMS (um)

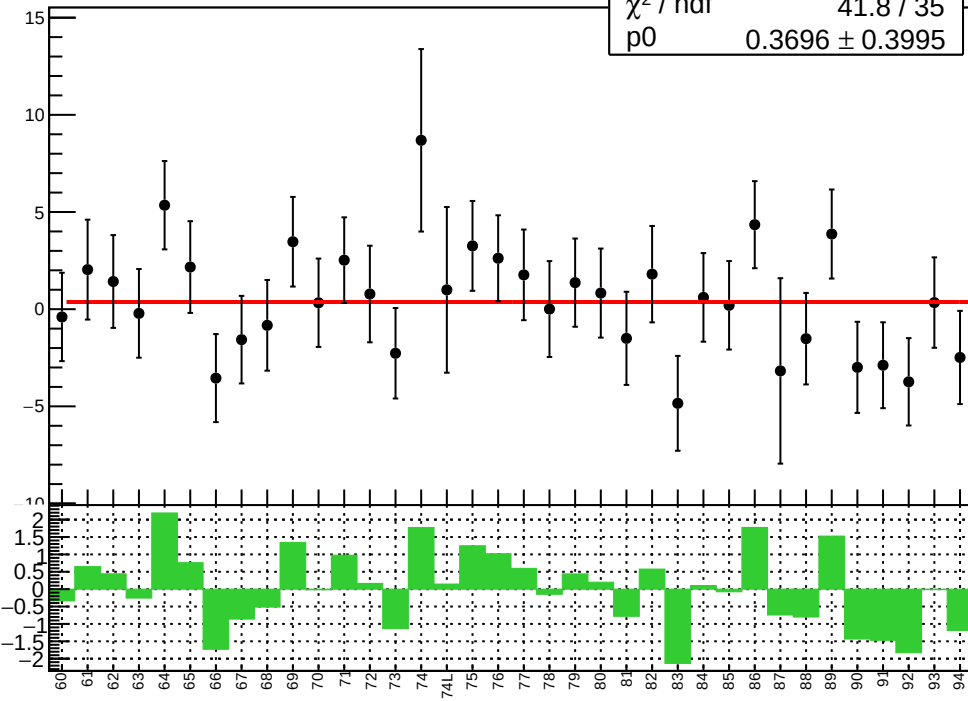


diff_bpm4aX (nm)

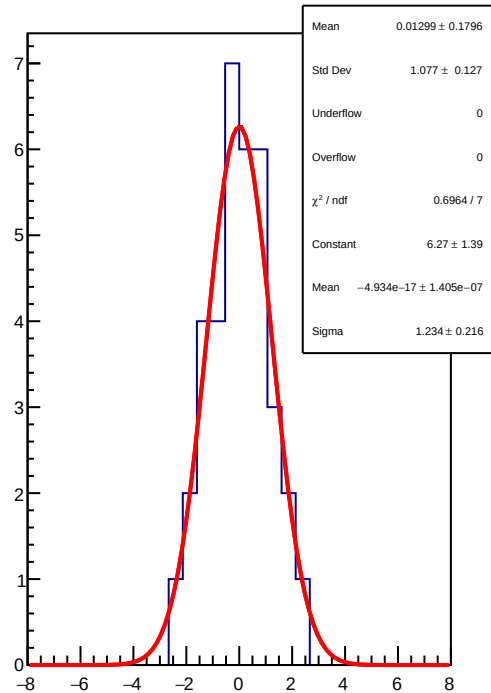
 χ^2 / ndf

41.8 / 35

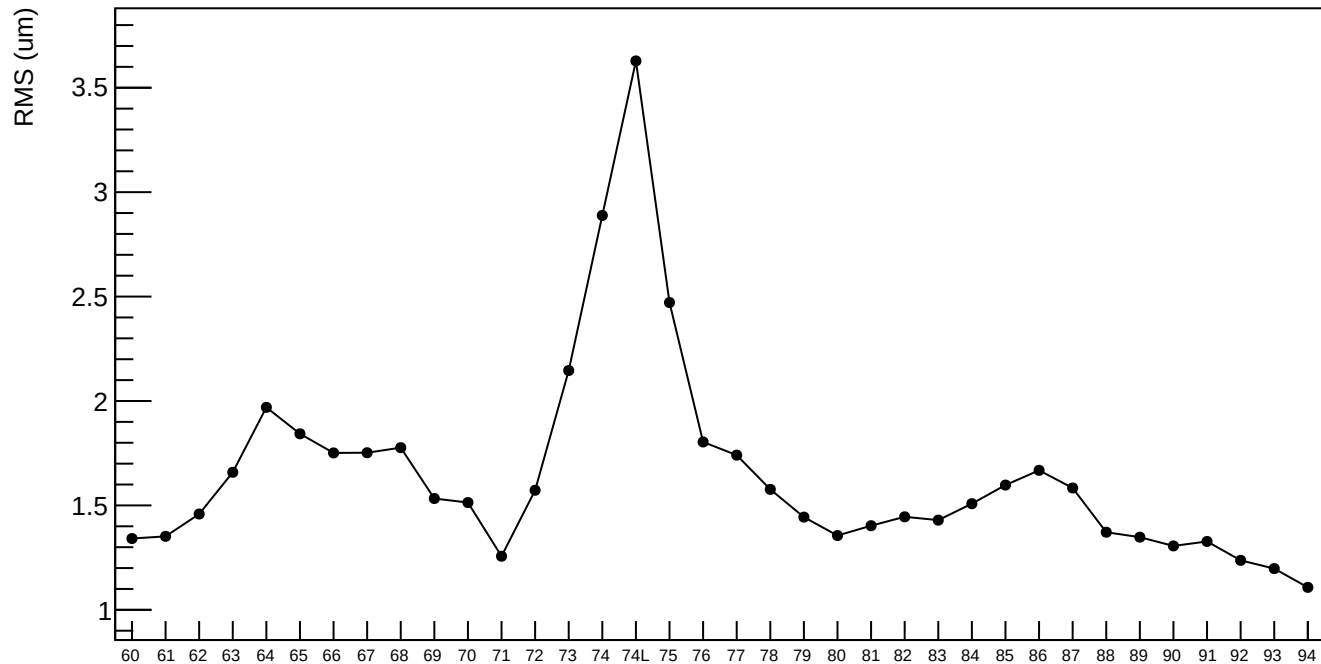
p0

 0.3696 ± 0.3995 

1D pull distribution



diff_bpm4aX RMS (μm)

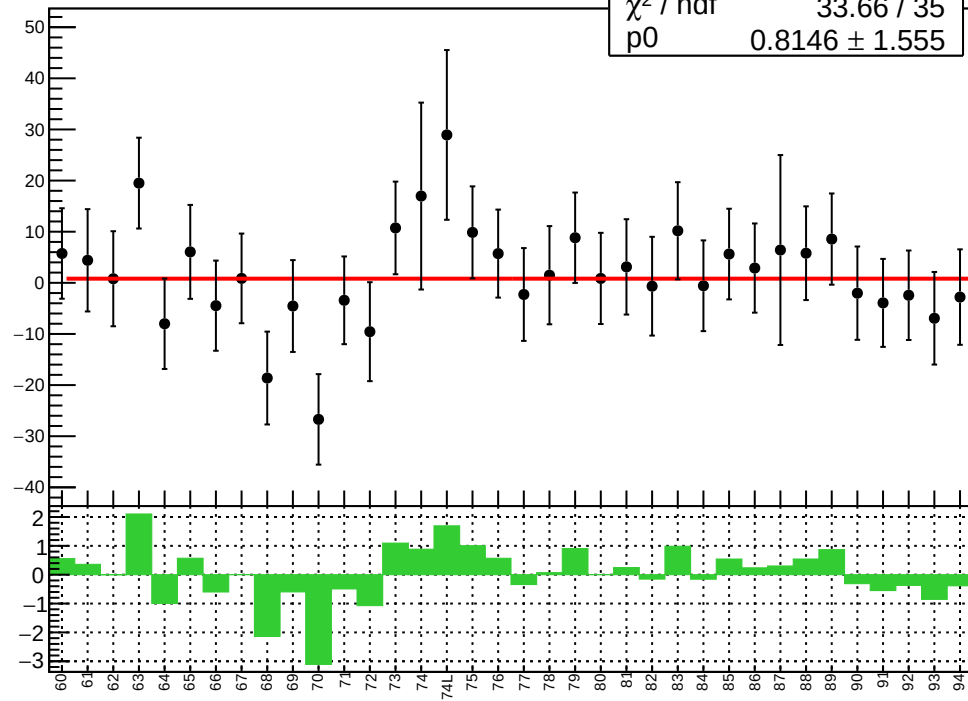


diff_bpm4aY (nm)

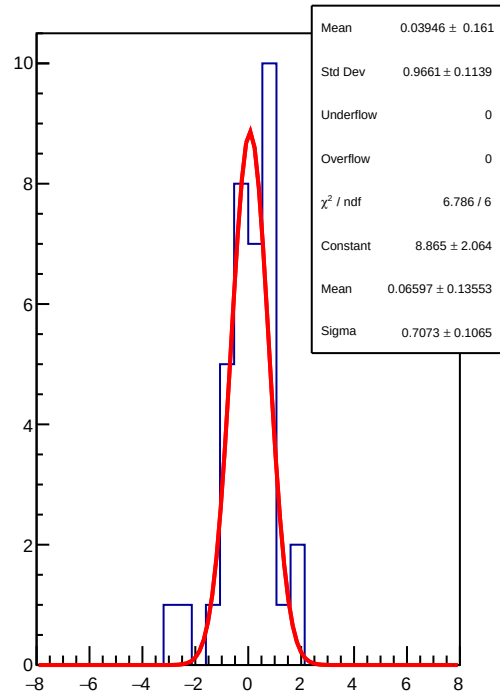
 χ^2 / ndf

33.66 / 35

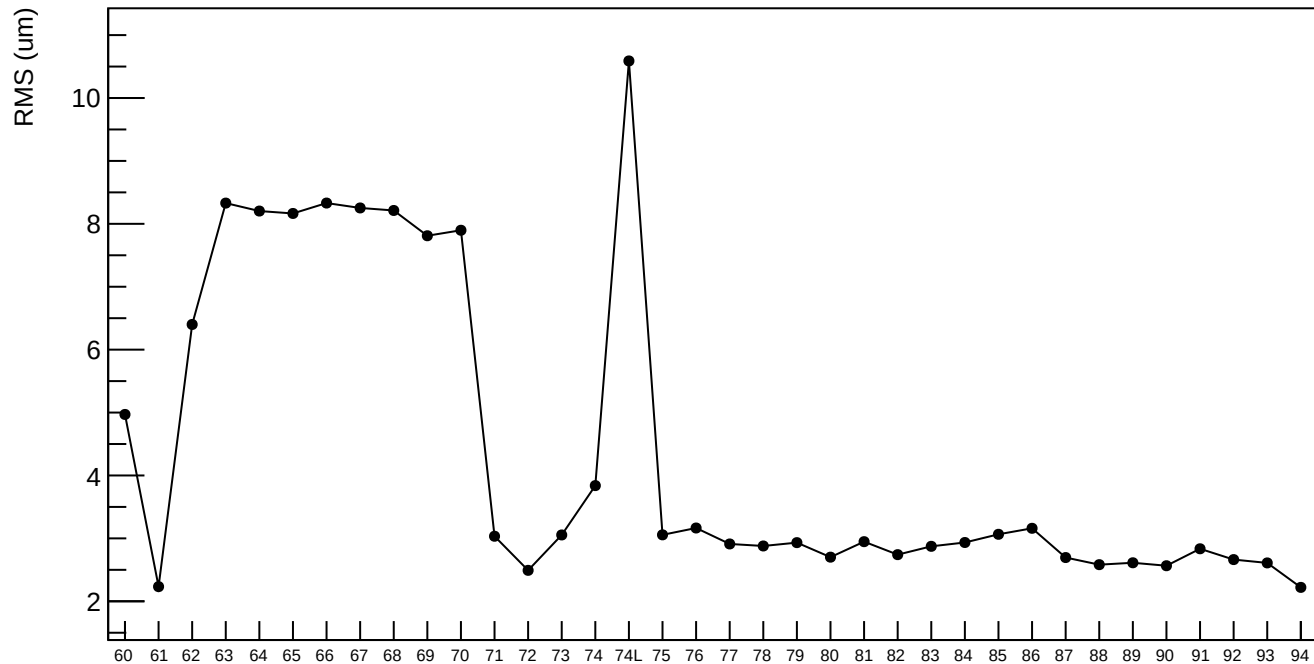
p0

 0.8146 ± 1.555 

1D pull distribution



diff_bpm4aY RMS (μm)

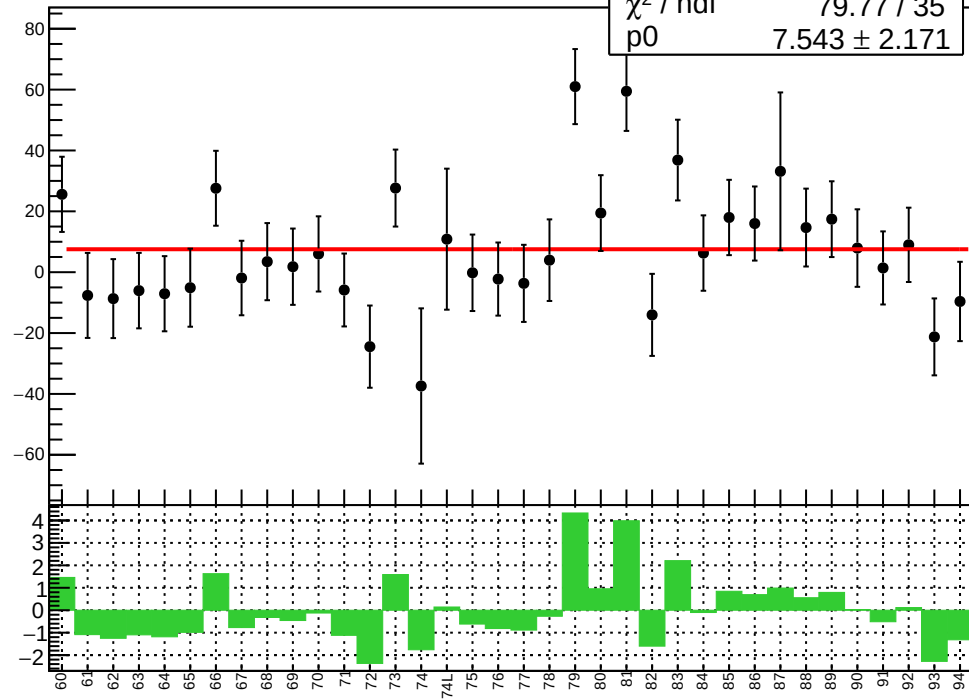


diff_bpm1X (nm)

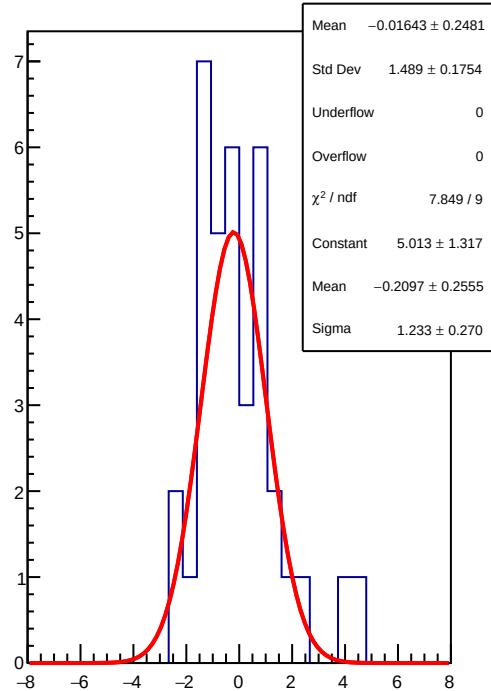
 χ^2 / ndf

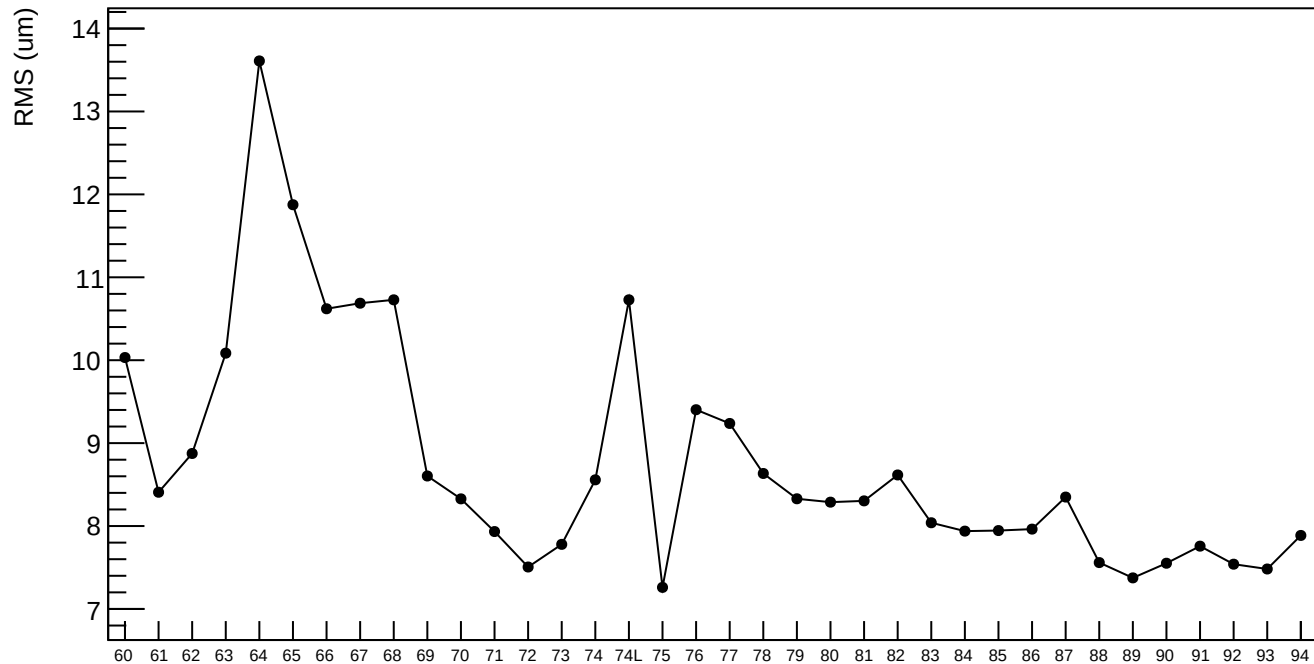
79.77 / 35

p0

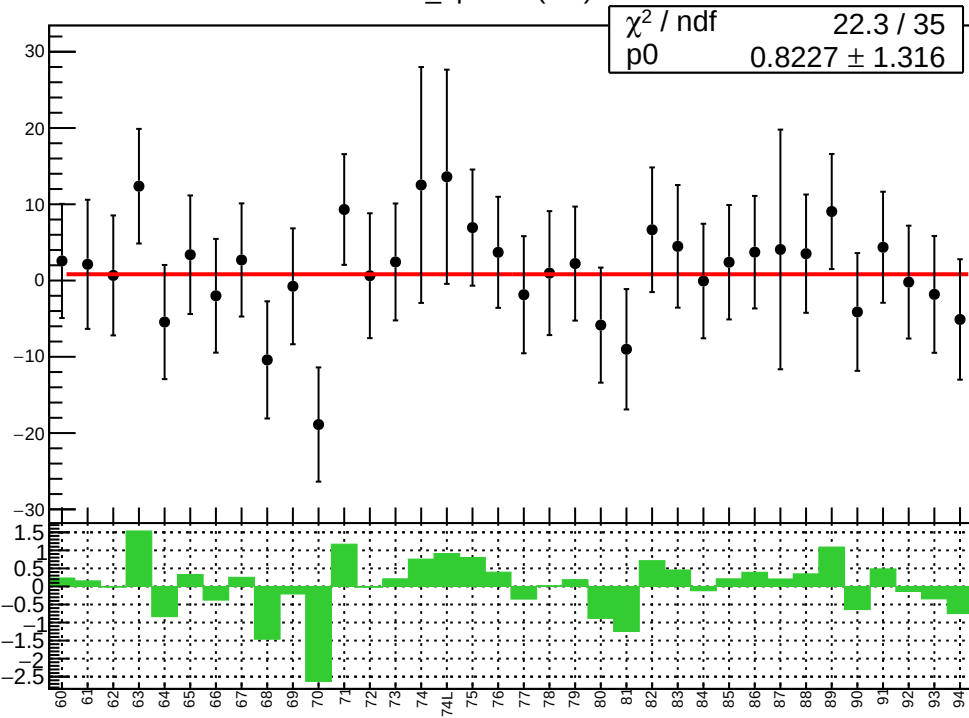
 7.543 ± 2.171 

1D pull distribution

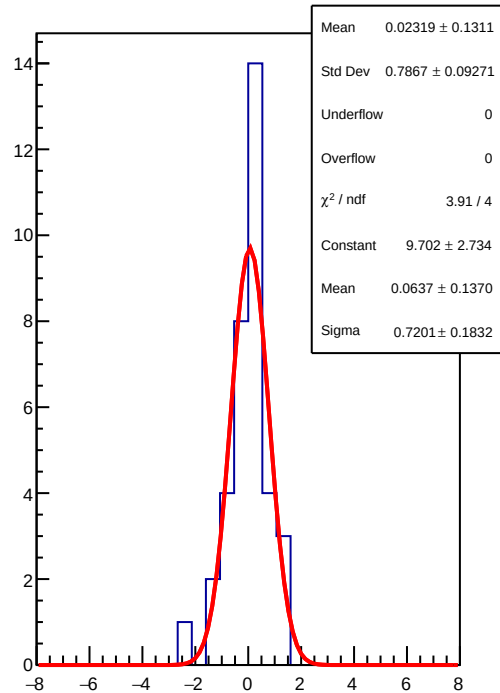


diff_bpm1X RMS (μm)

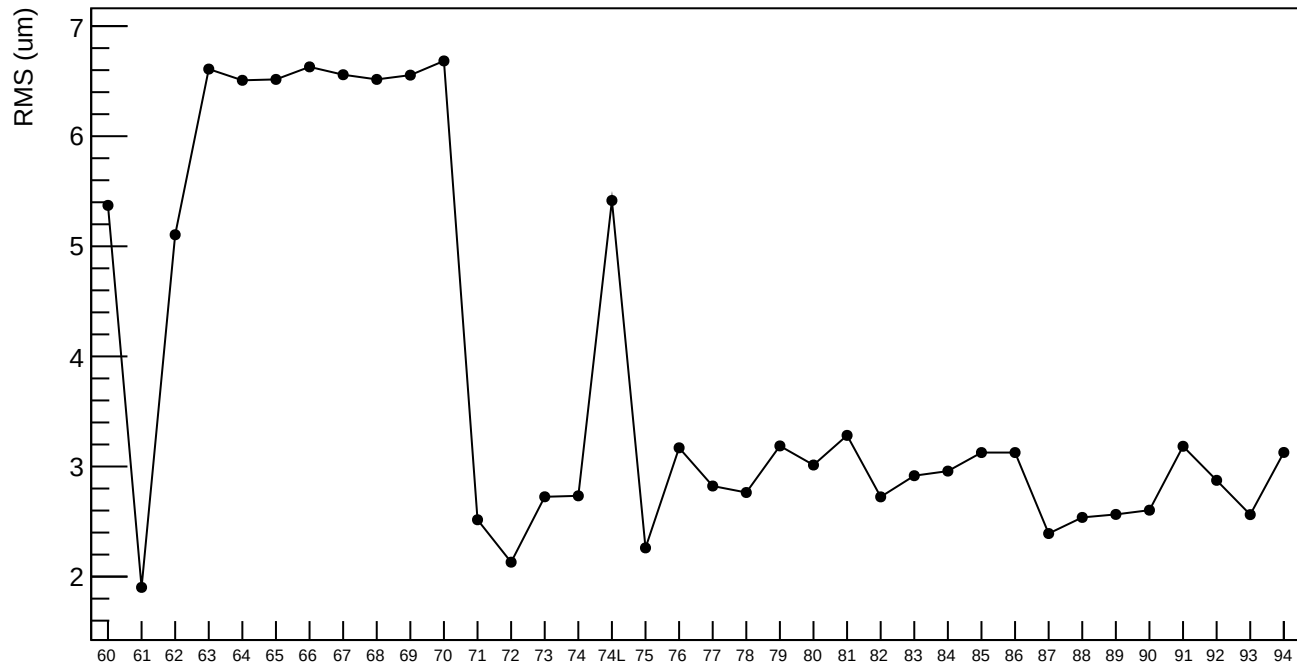
diff_bpm1Y (nm)



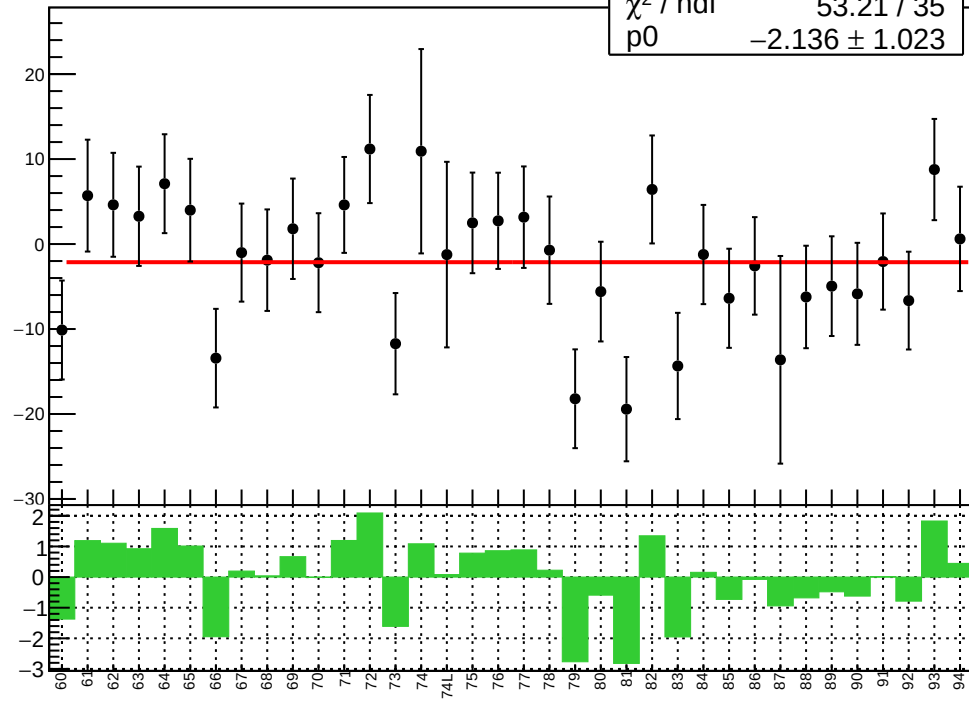
1D pull distribution



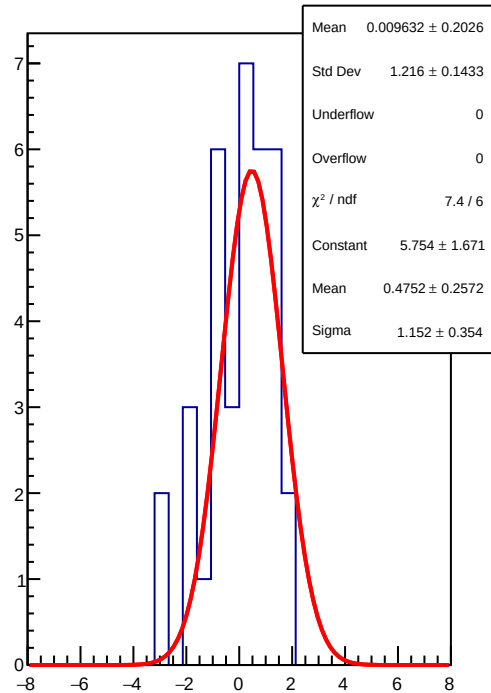
diff_bpm1Y RMS (um)



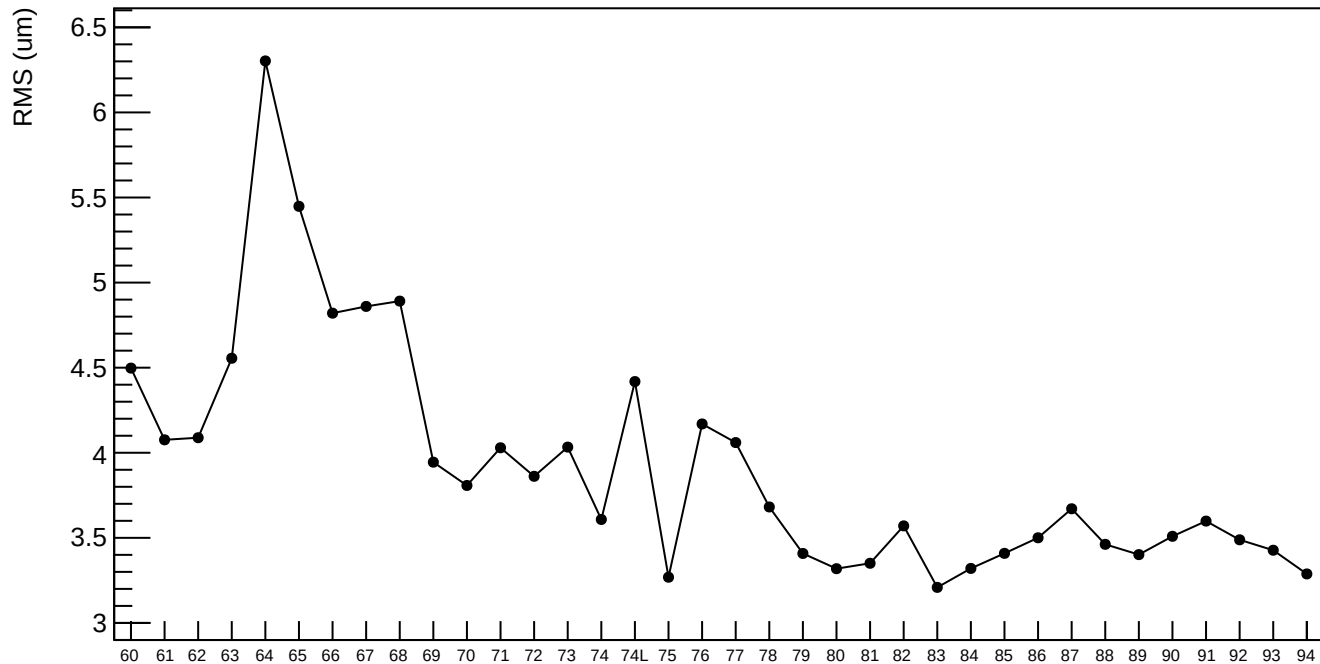
diff_bpm16X (nm)

 χ^2 / ndf 53.21 / 35
p0 -2.136 ± 1.023 

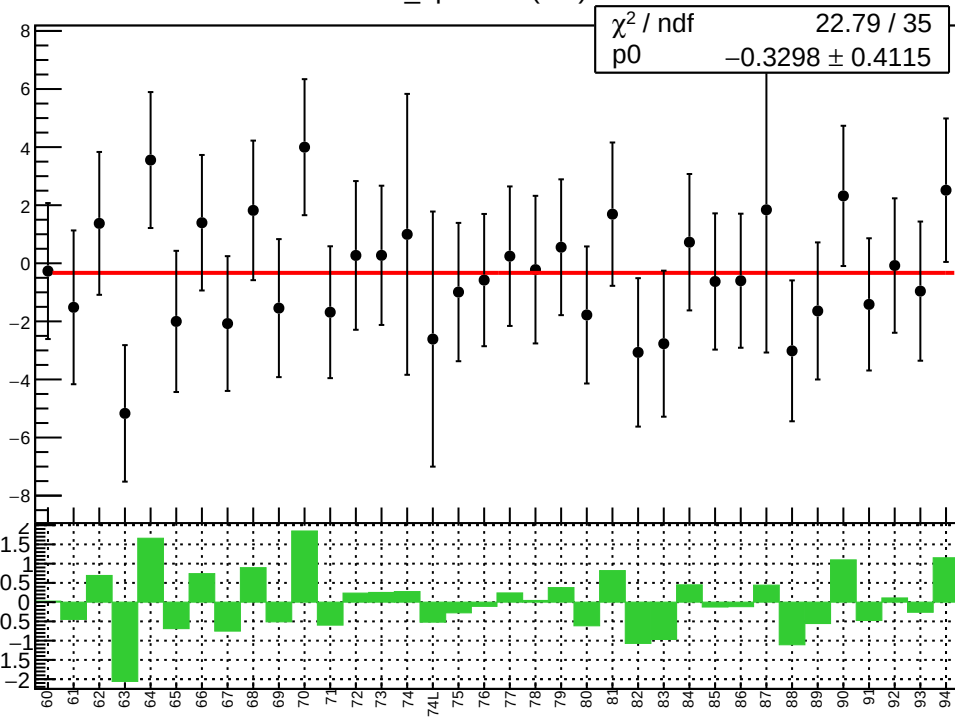
1D pull distribution



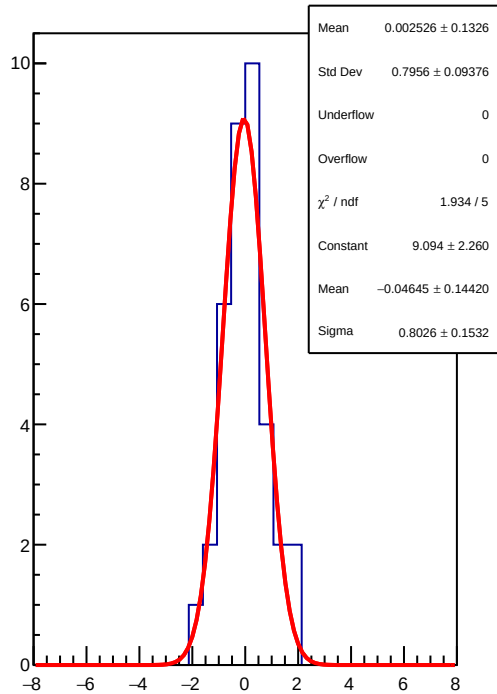
diff_bpm16X RMS (μm)



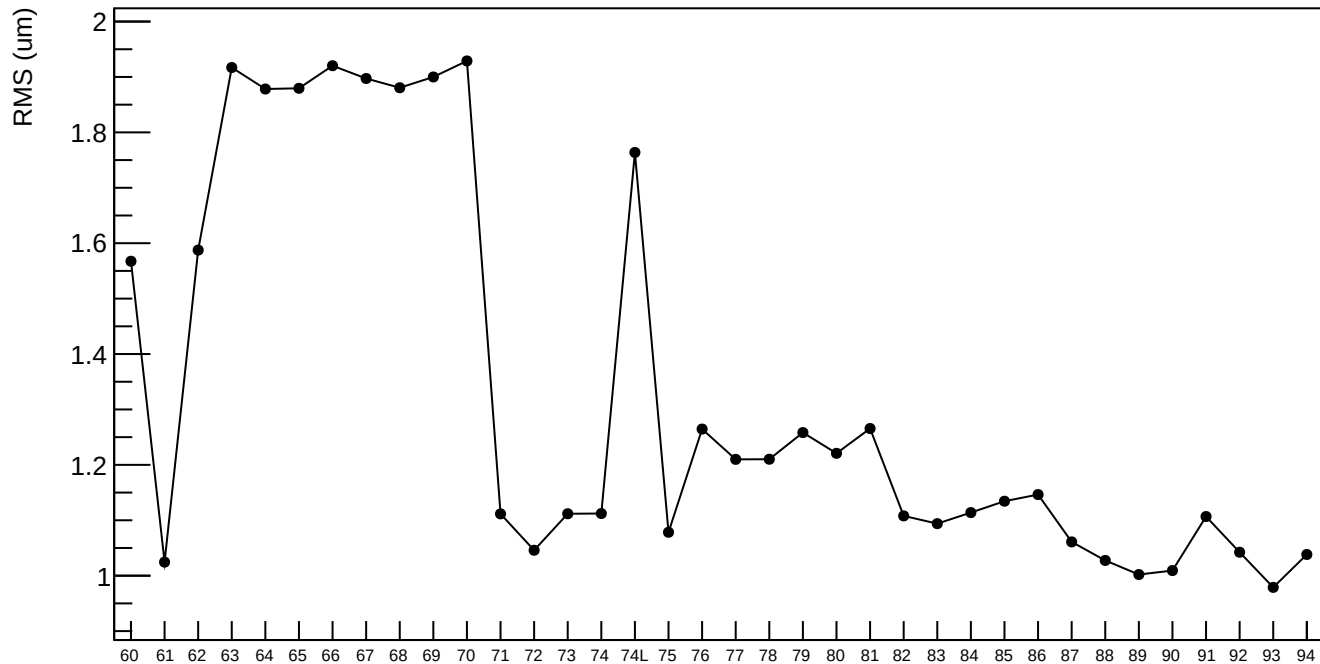
diff_bpm16Y (nm)



1D pull distribution



diff_bpm16Y RMS (um)

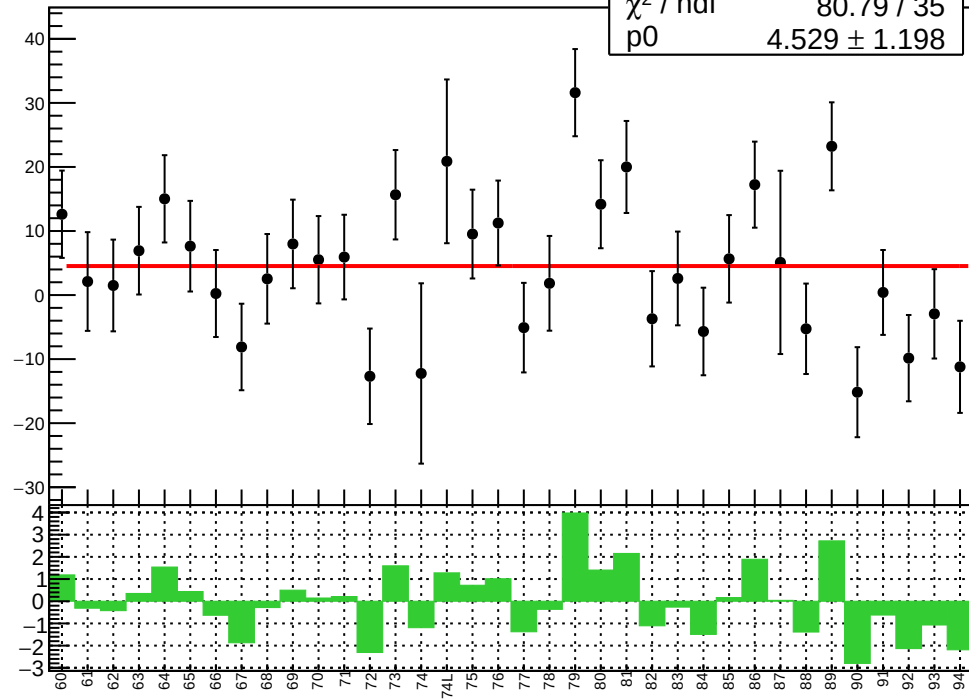


diff_bpm12X (nm)

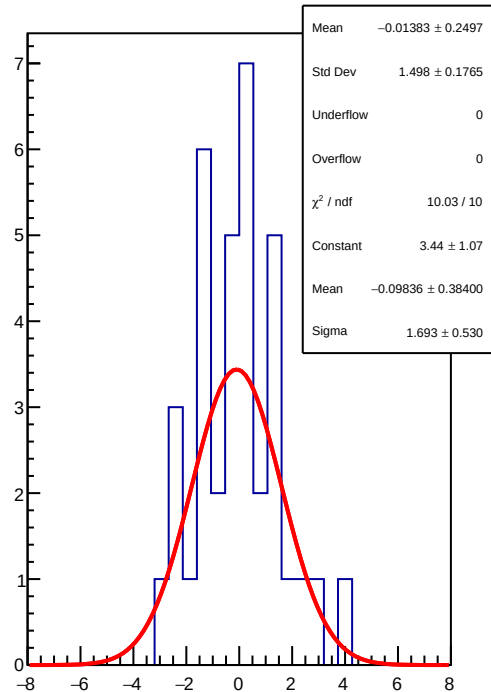
 χ^2 / ndf

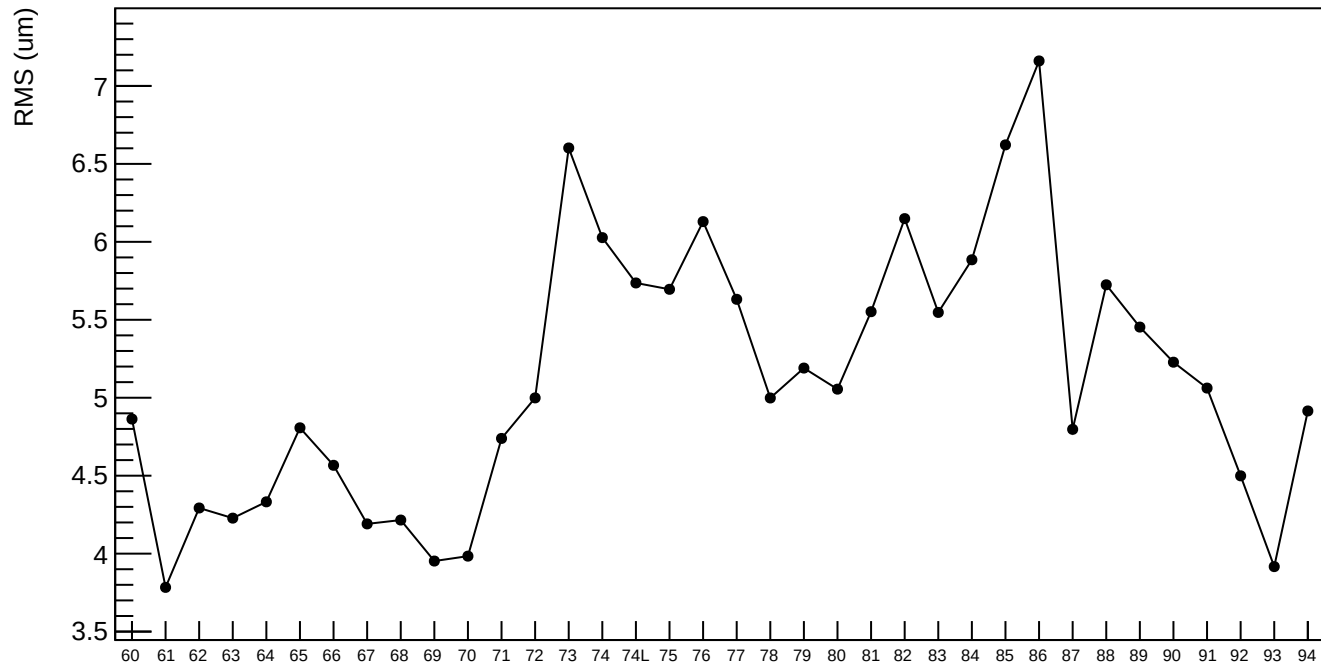
80.79 / 35

p0

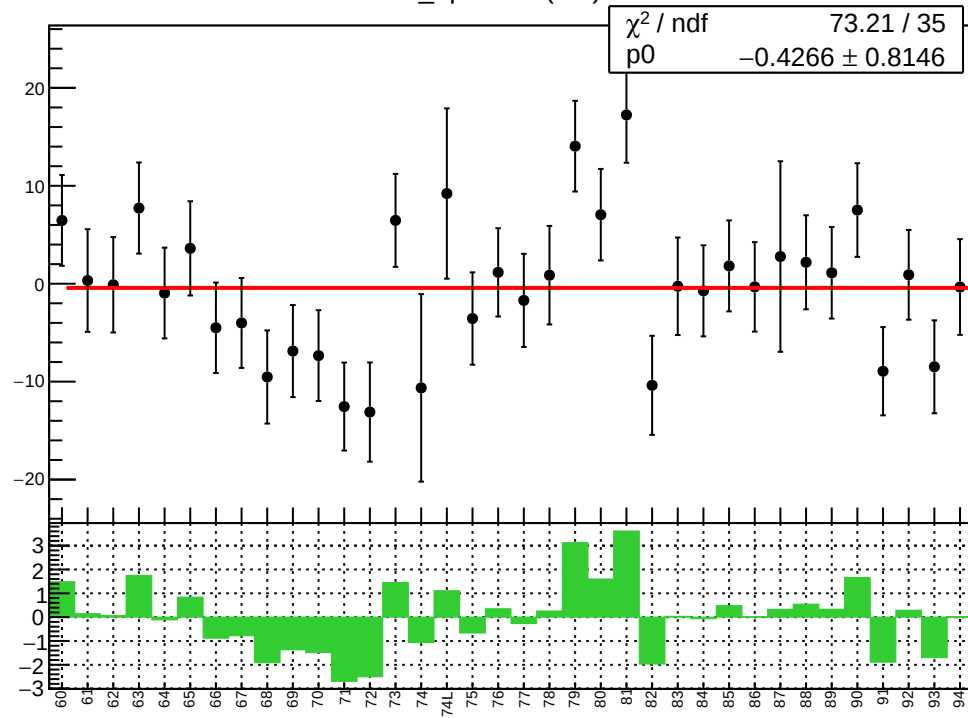
 4.529 ± 1.198 

1D pull distribution

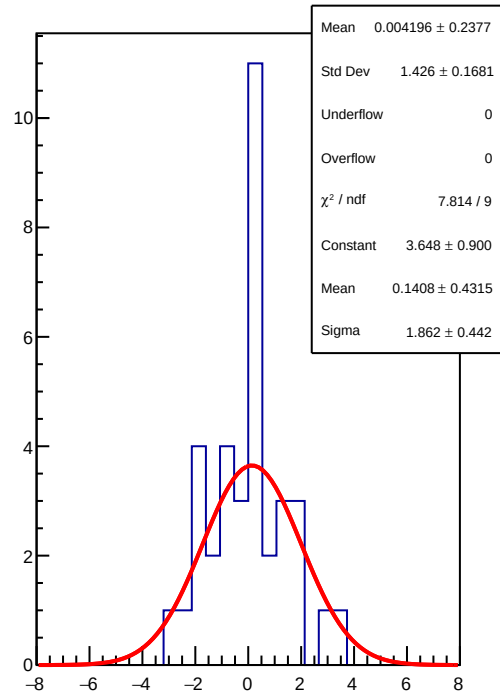


diff_bpm12X RMS (μm)

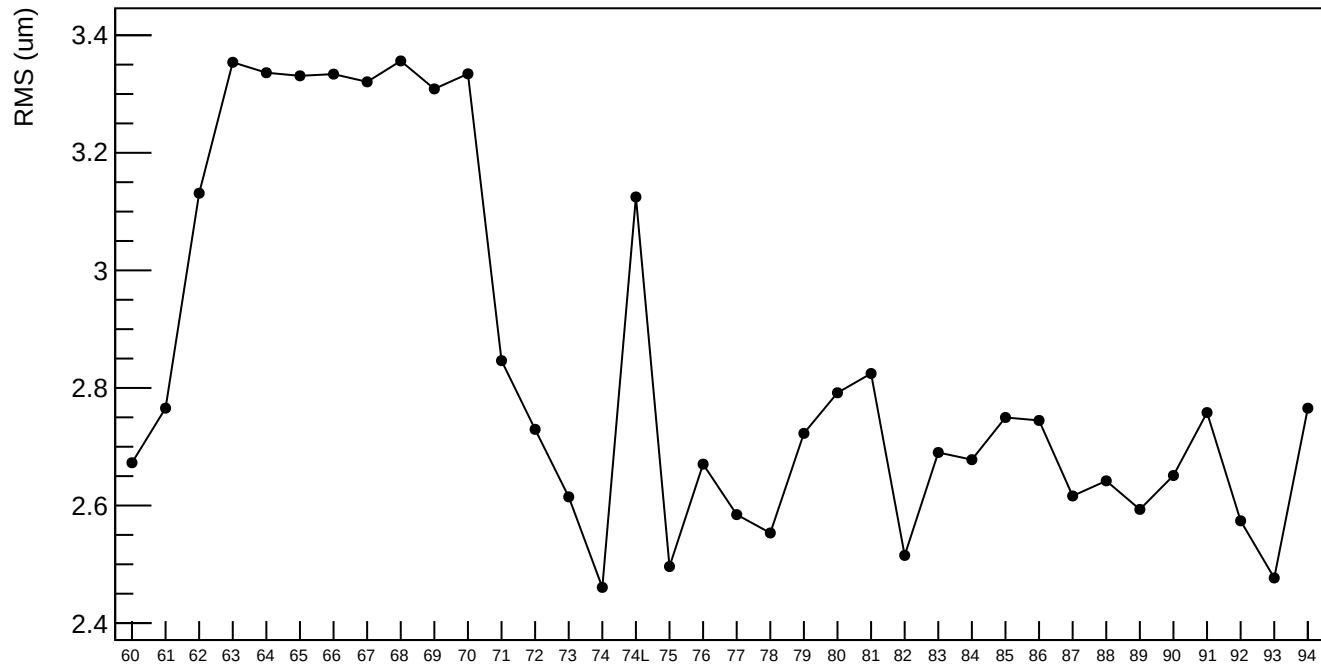
diff_bpm12Y (nm)



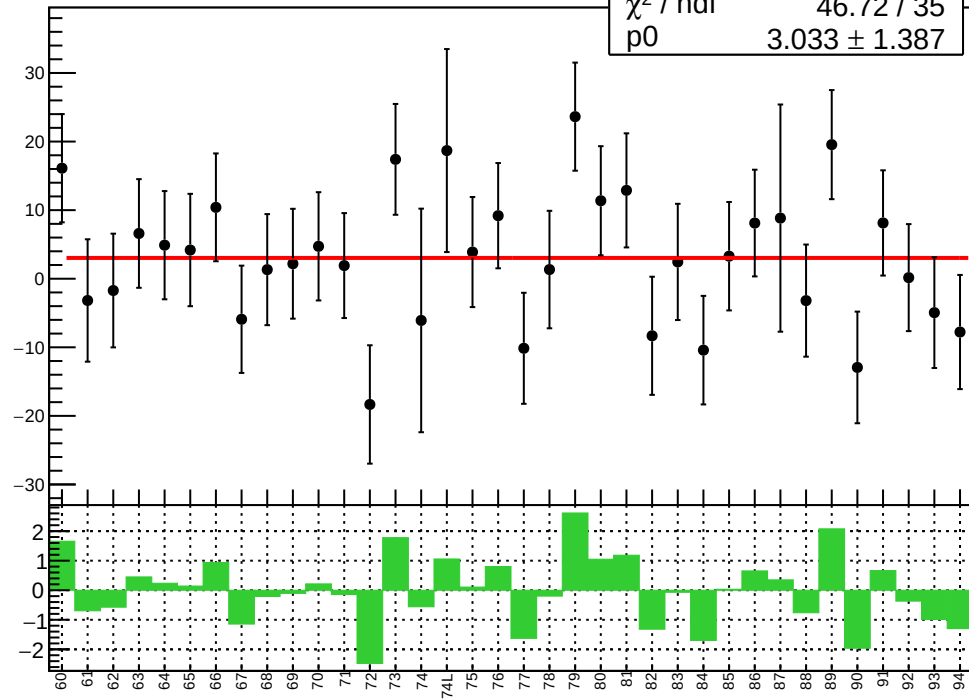
1D pull distribution



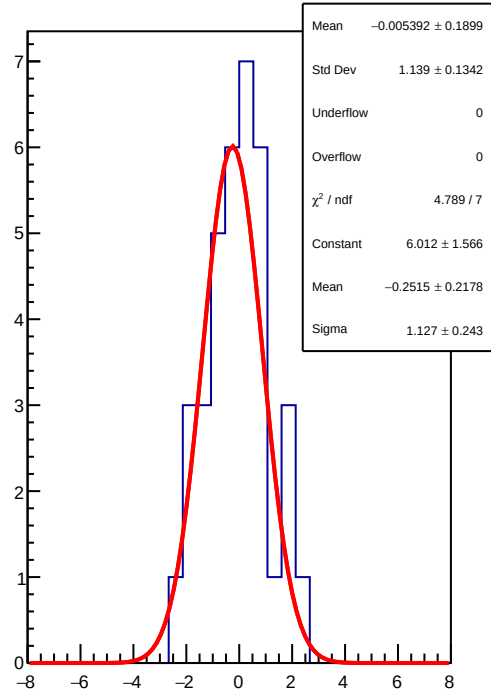
diff_bpm12Y RMS (μm)

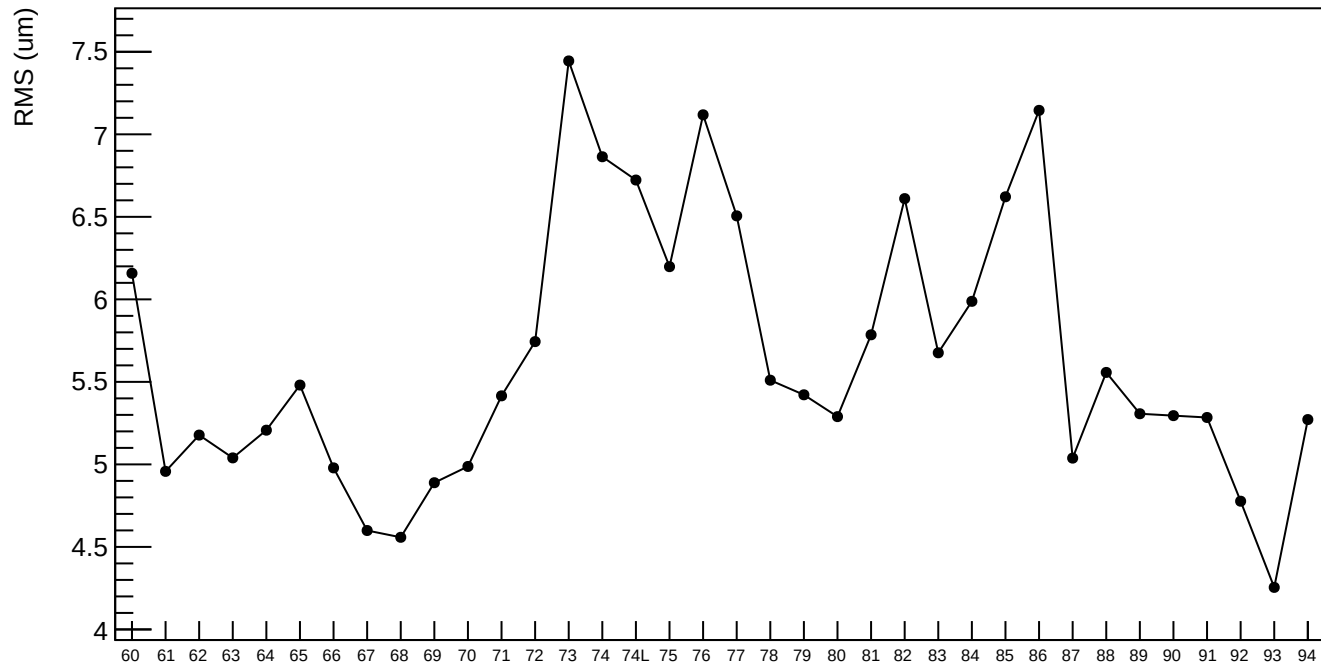


diff_bpm11X (nm)

 χ^2 / ndf 46.72 / 35
p0 3.033 ± 1.387 

1D pull distribution



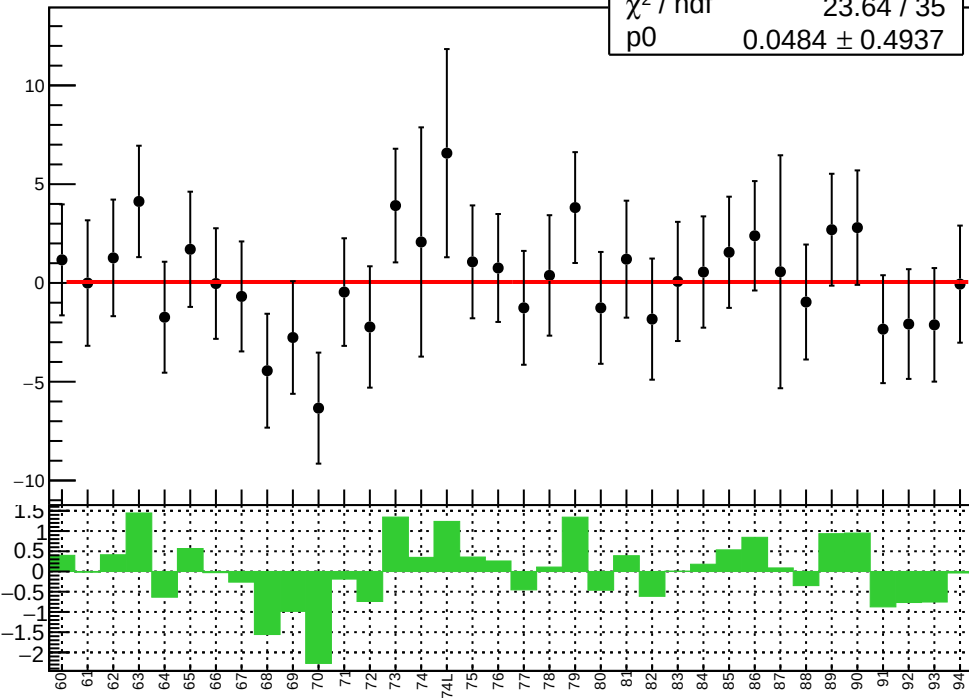
diff_bpm11X RMS (μm)

diff_bpm11Y (nm)

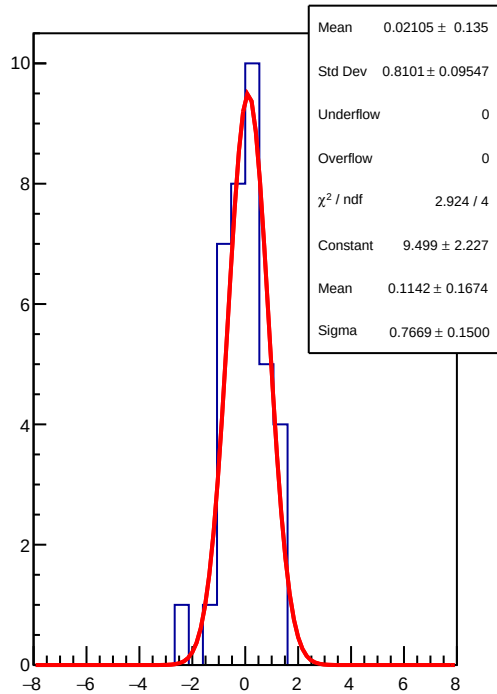
 χ^2 / ndf

23.64 / 35

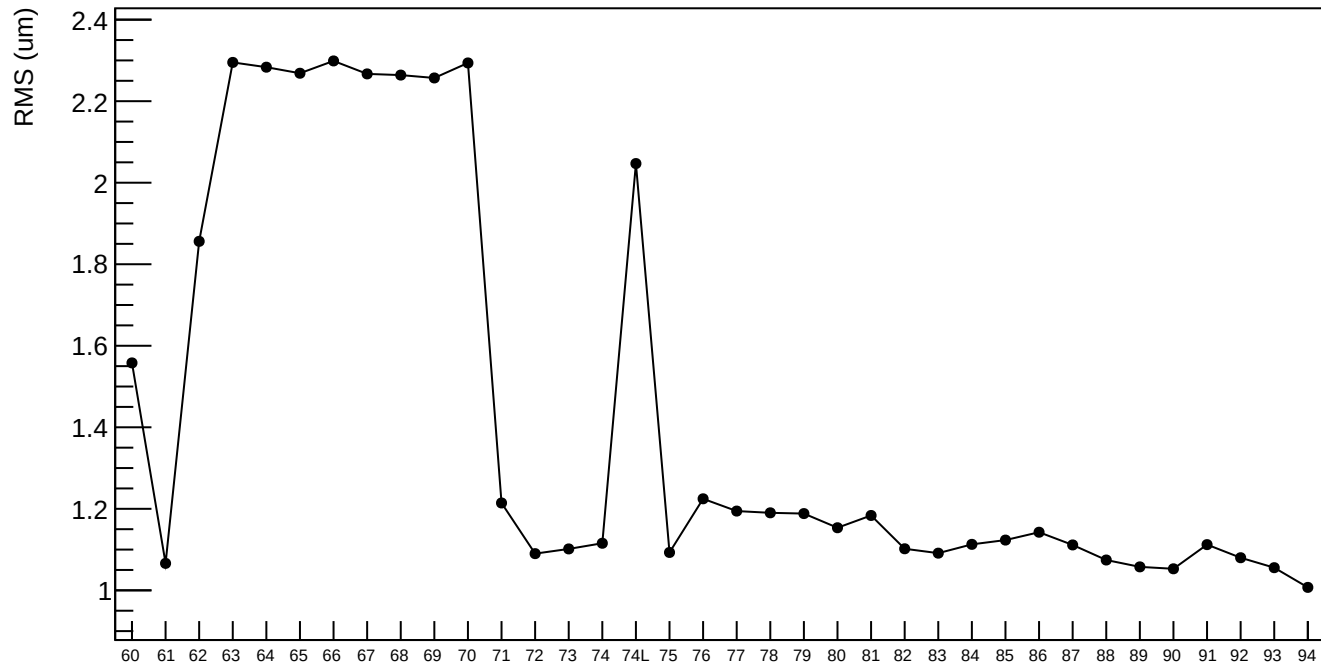
p0

 0.0484 ± 0.4937 

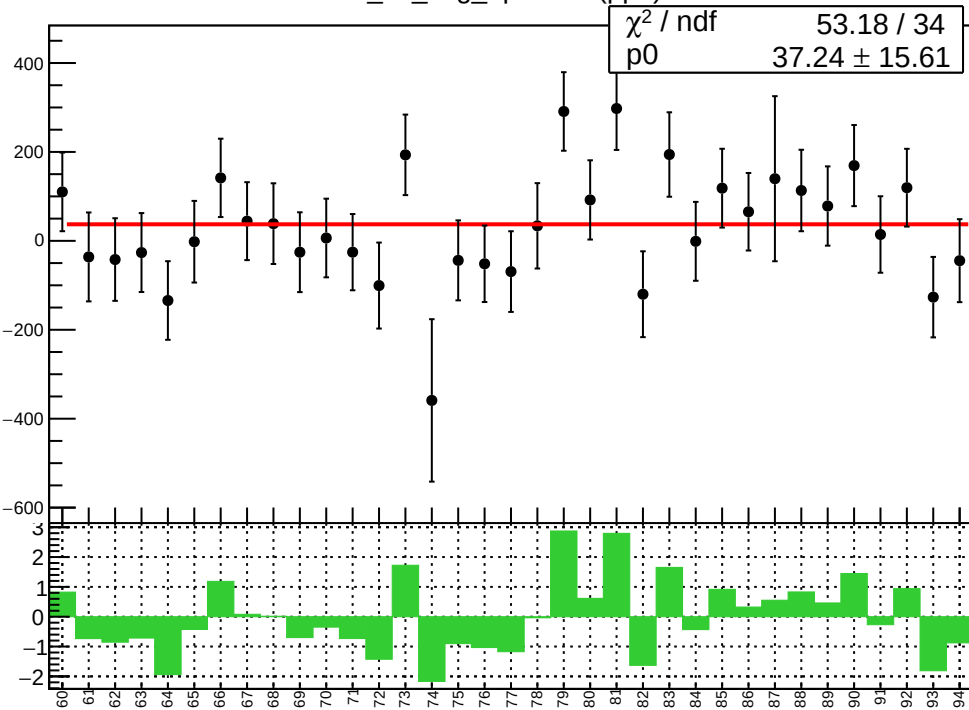
1D pull distribution



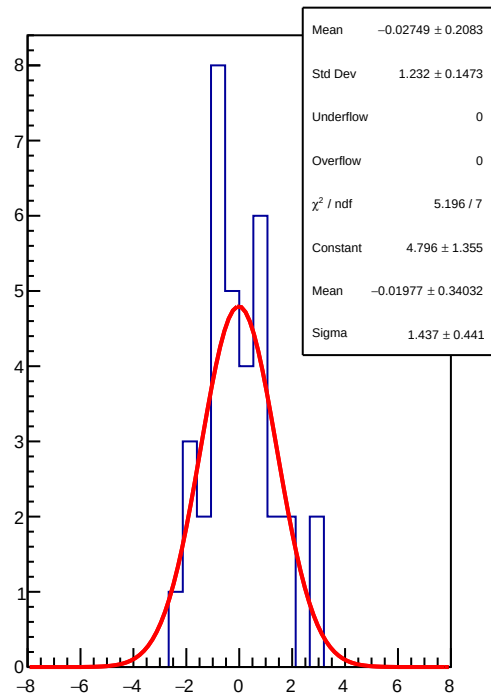
diff_bpm11Y RMS (um)



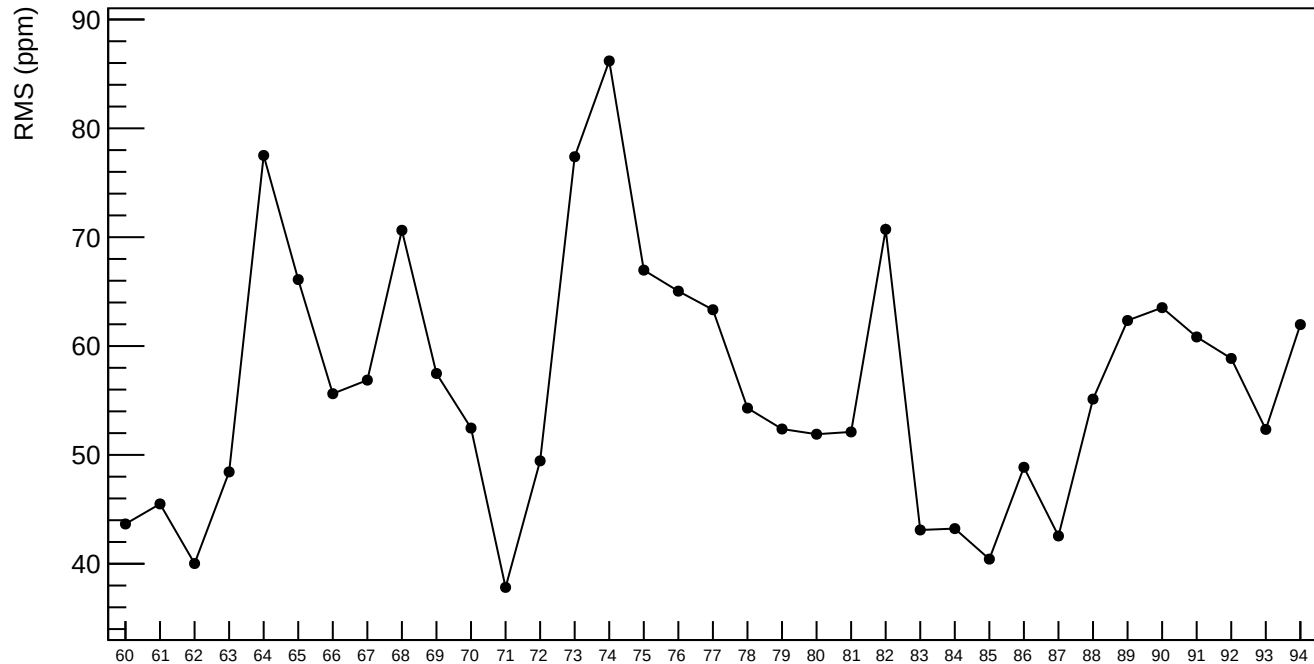
corr_us_avg_bpm4eX (ppb)



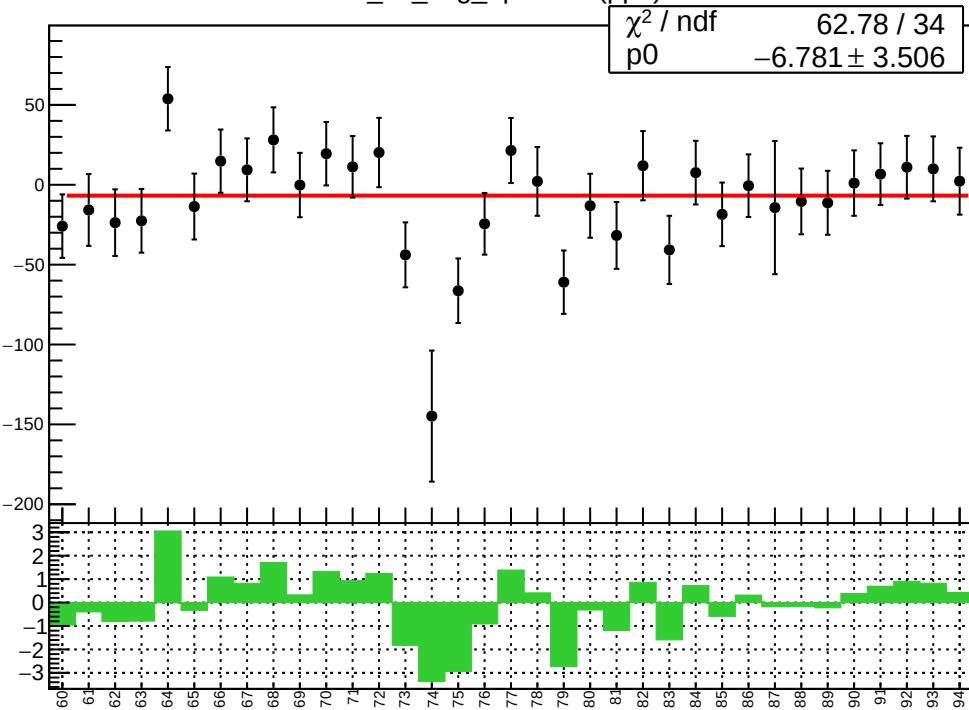
1D pull distribution



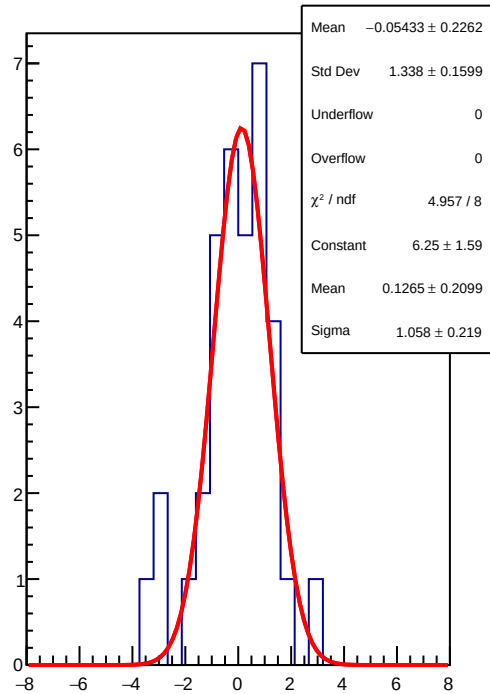
corr_us_avg_bpm4eX RMS (ppm)



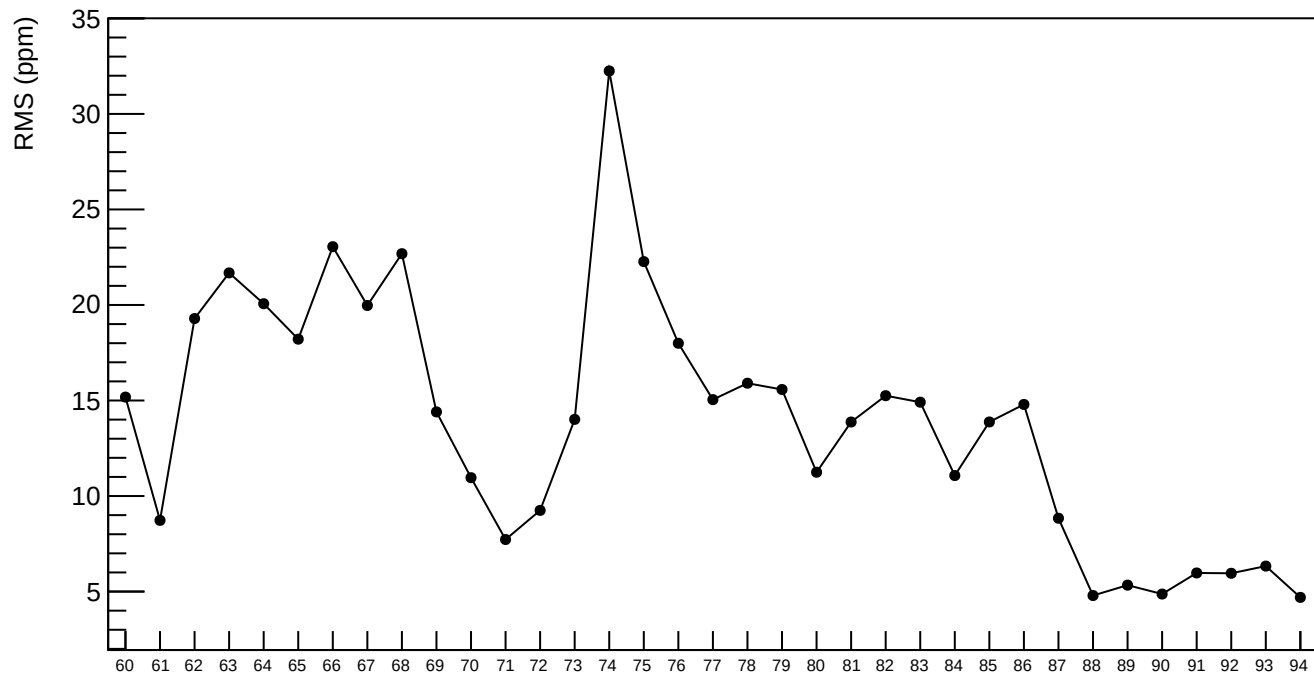
corr_us_avg_bpm4eY (ppb)



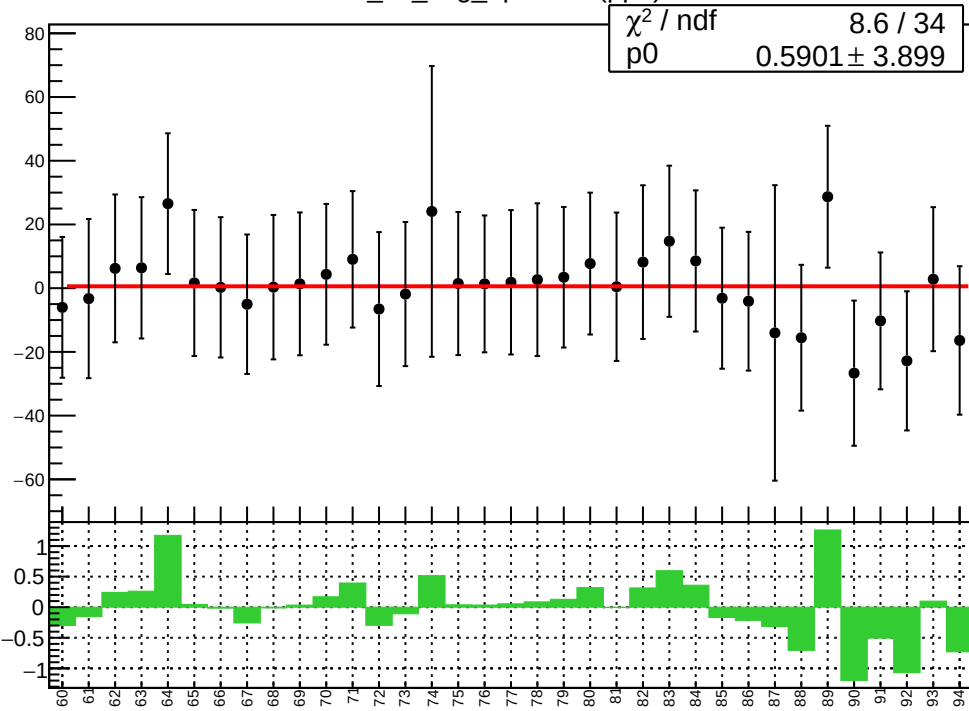
1D pull distribution



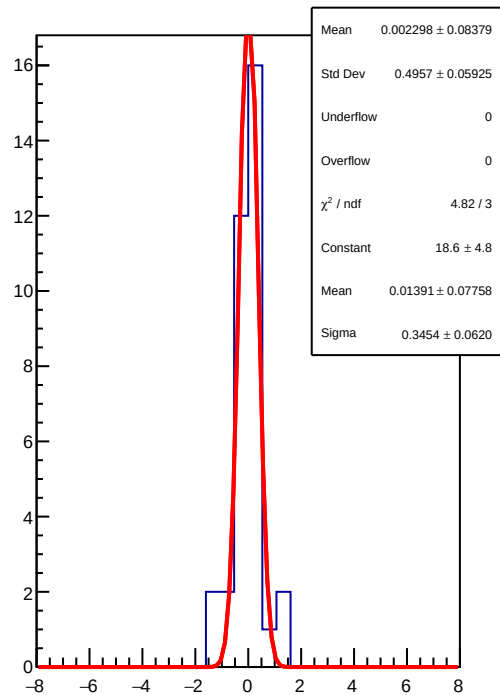
corr_us_avg_bpm4eY RMS (ppm)



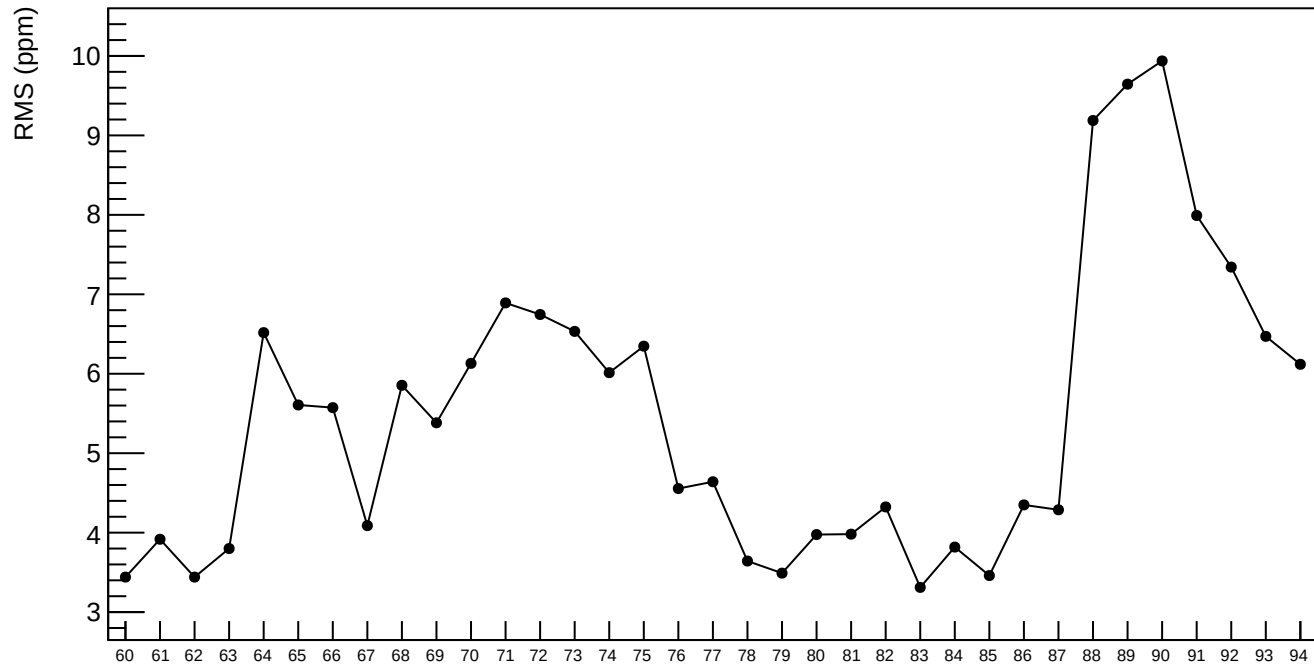
corr_us_avg_bpm4aX (ppb)



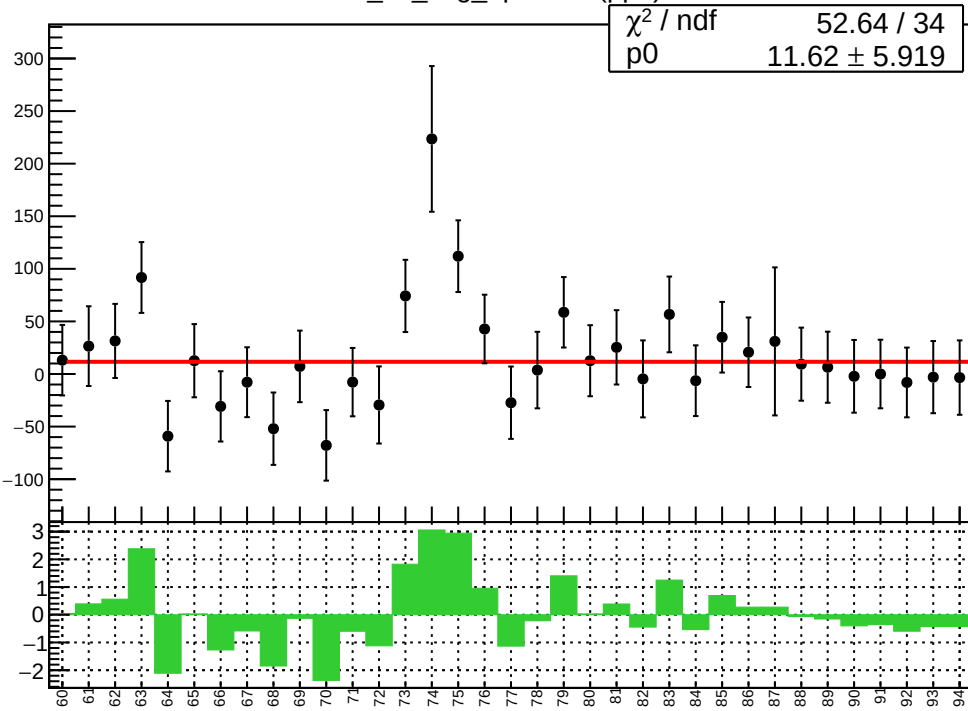
1D pull distribution



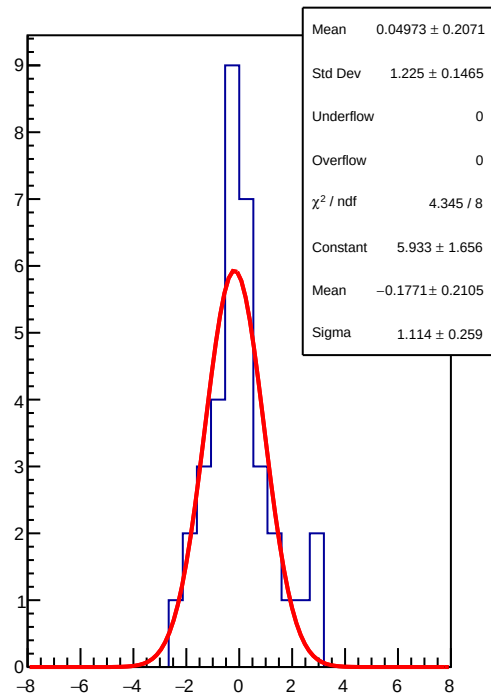
corr_us_avg_bpm4aX RMS (ppm)



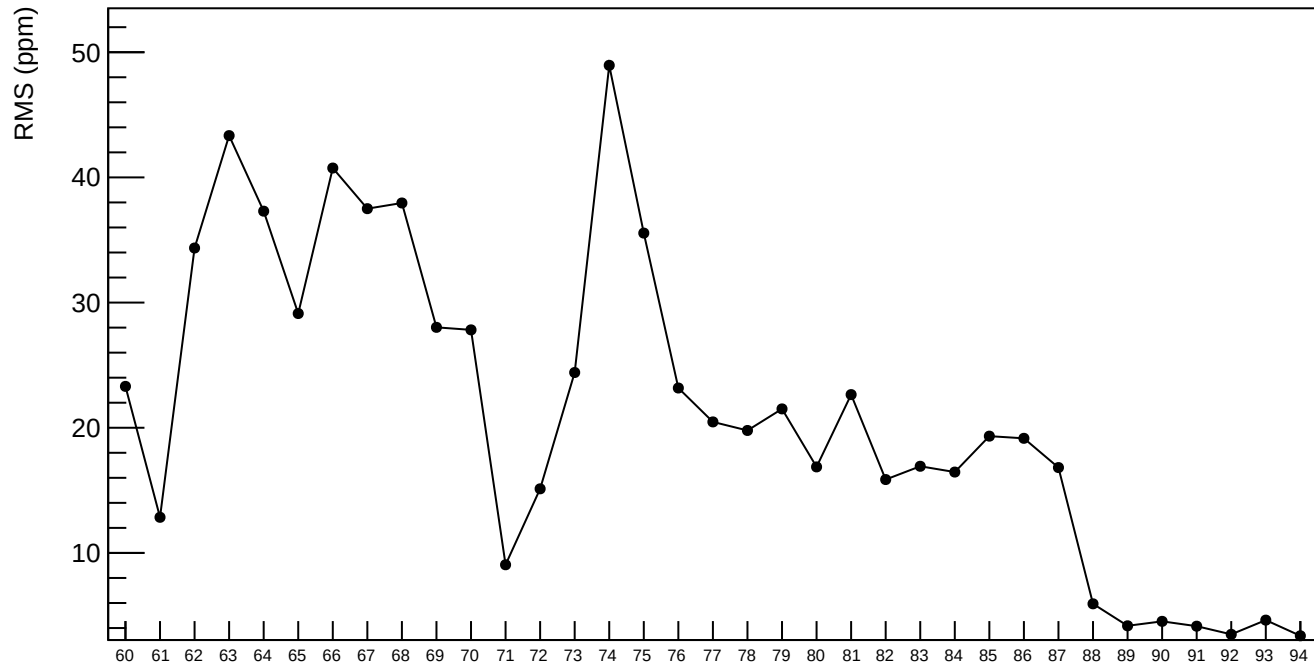
corr_us_avg_bpm4aY (ppb)



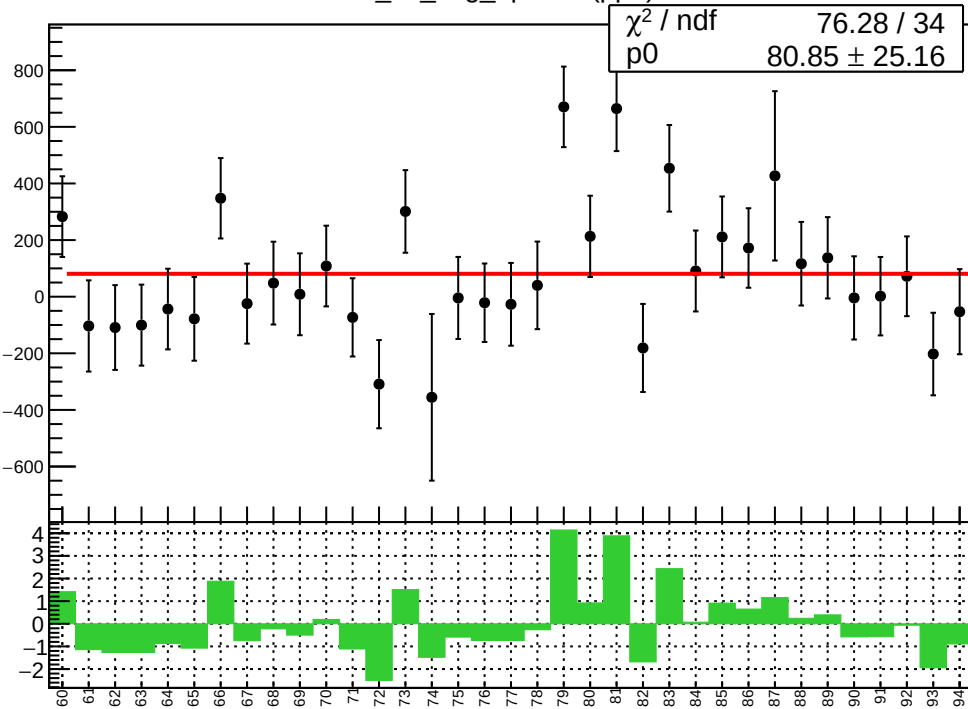
1D pull distribution



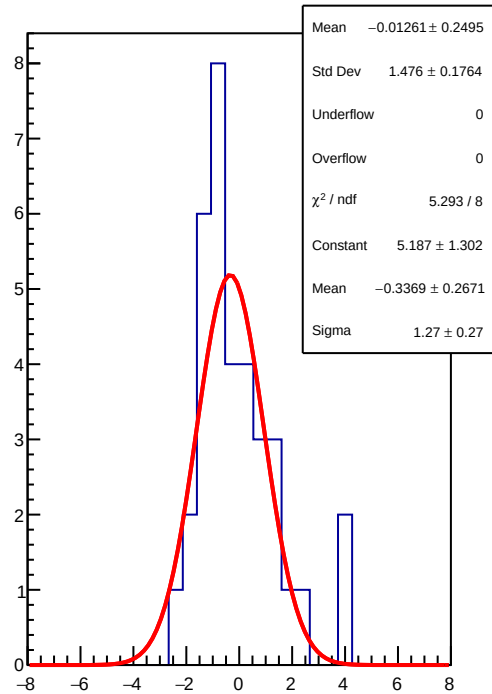
corr_us_avg_bpm4aY RMS (ppm)



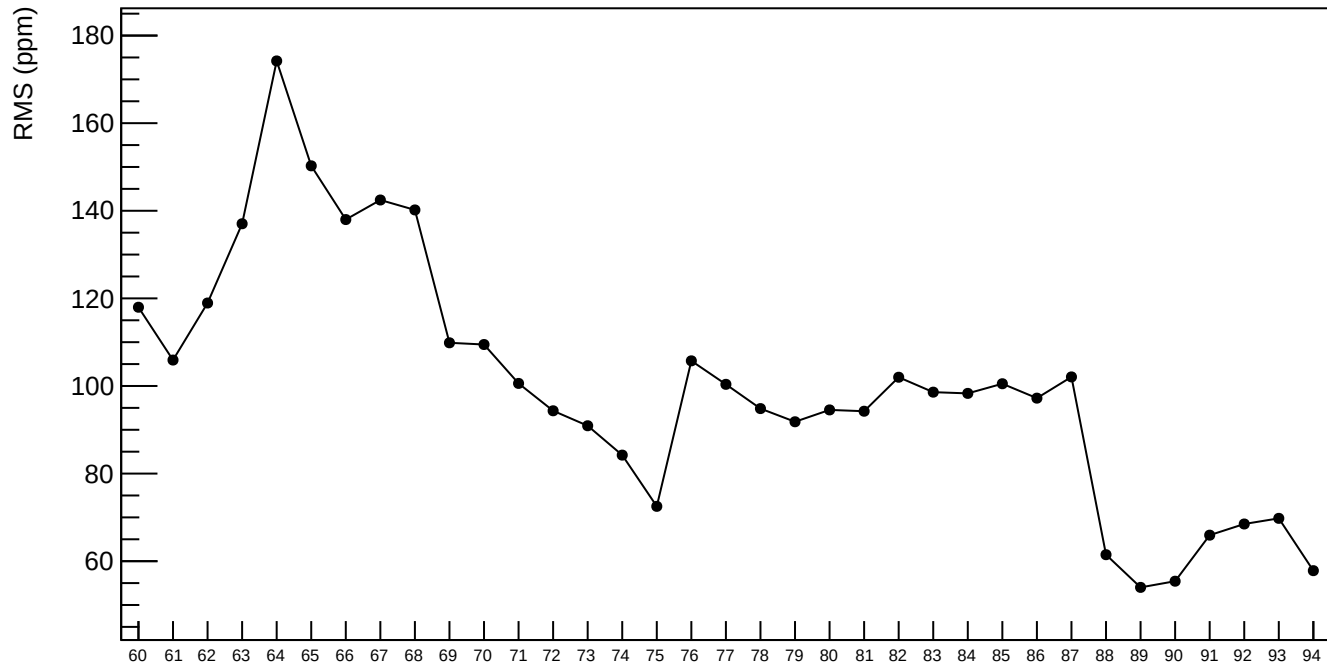
corr_us_avg_bpm1X (ppb)



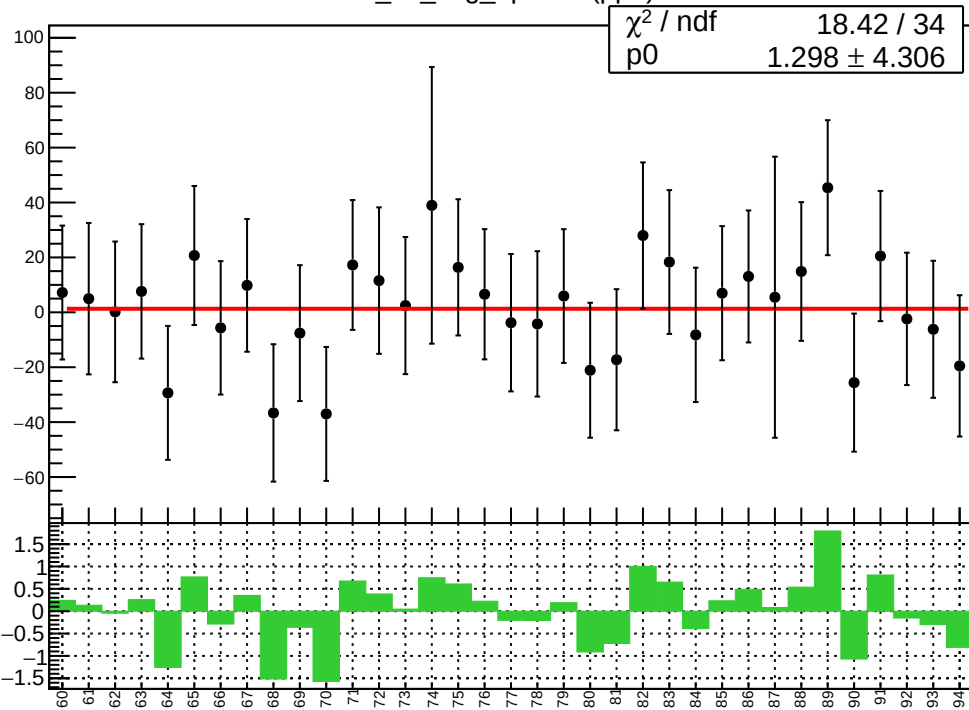
1D pull distribution



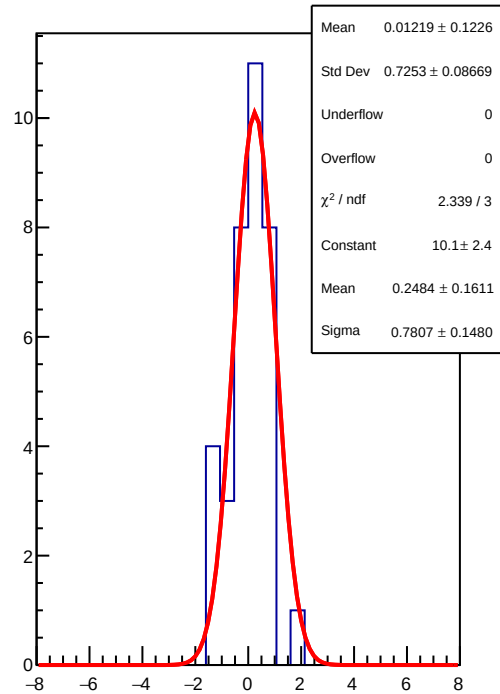
corr_us_avg_bpm1X RMS (ppm)



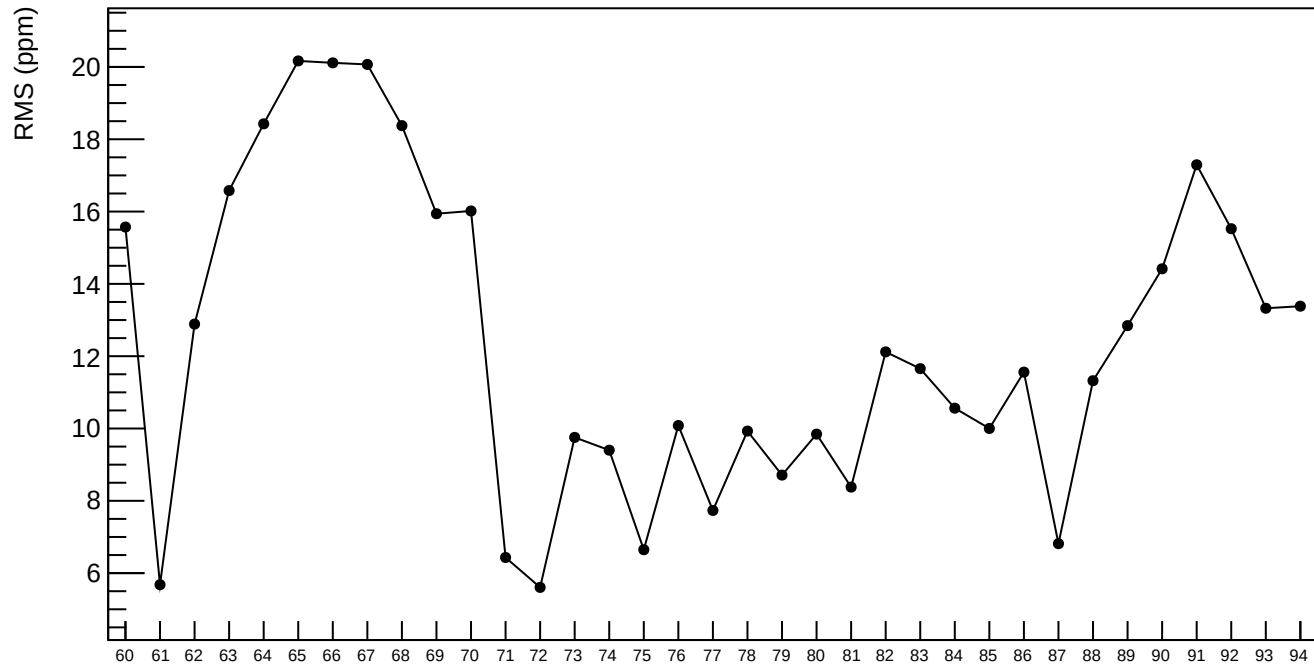
corr_us_avg_bpm1Y (ppb)



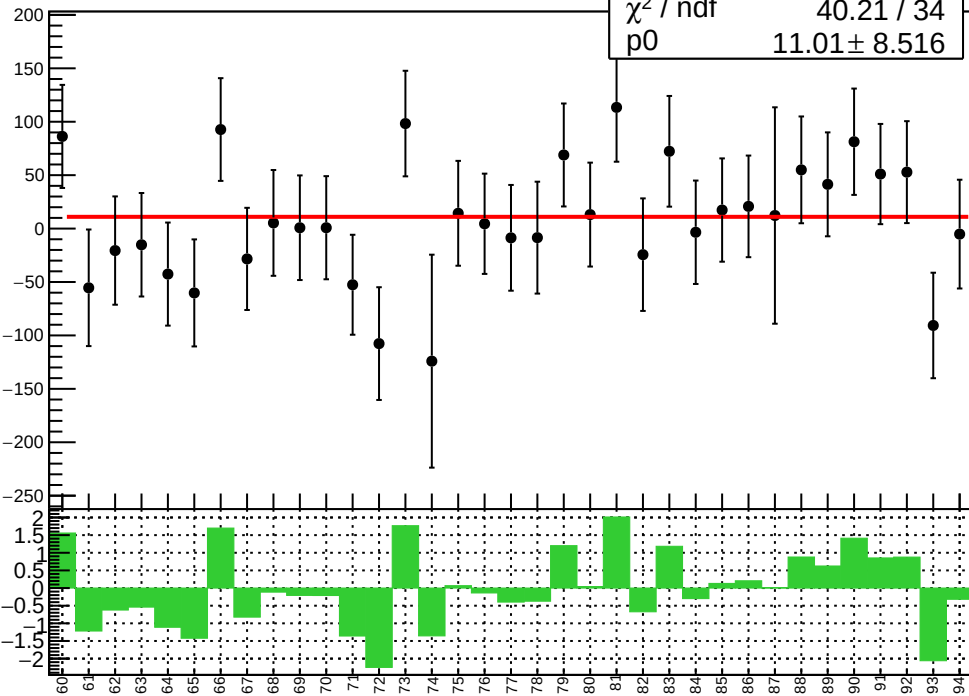
1D pull distribution



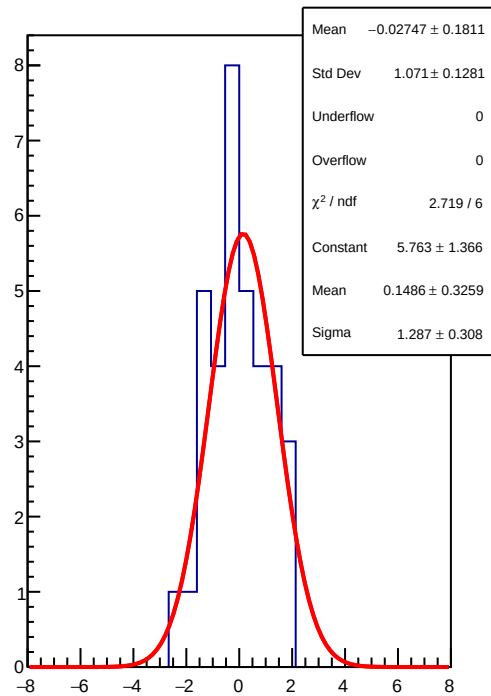
corr_us_avg_bpm1Y RMS (ppm)



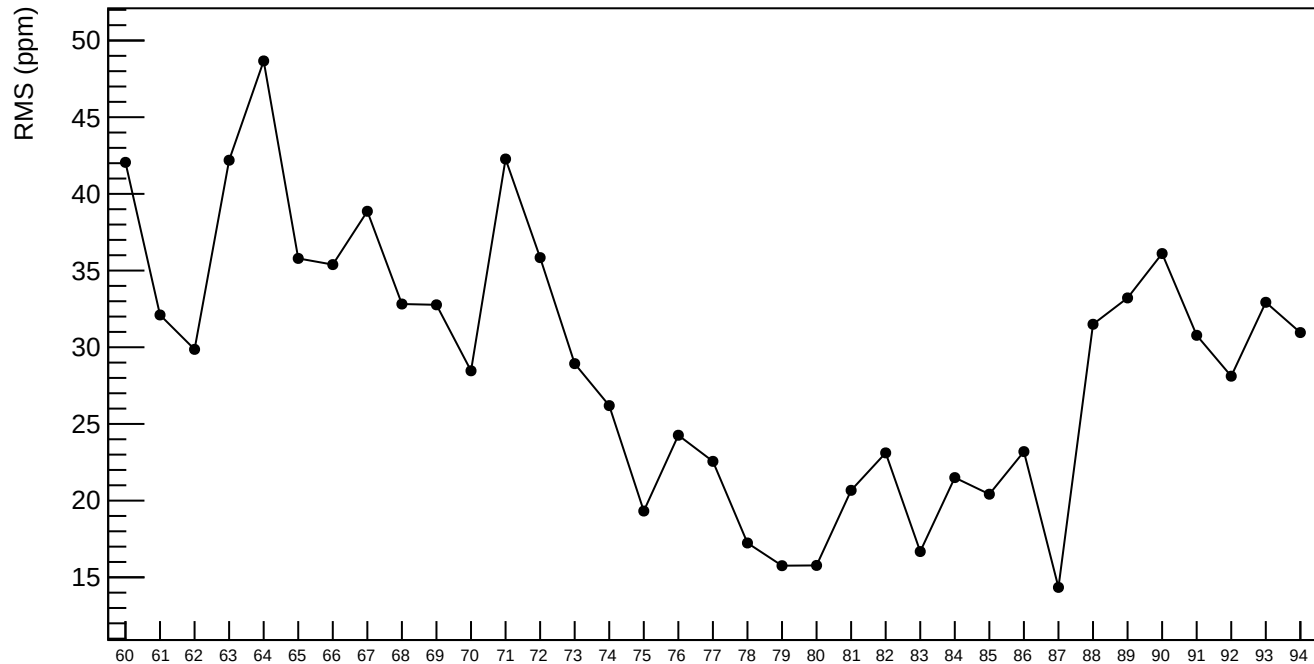
corr_us_avg_bpm16X (ppb)



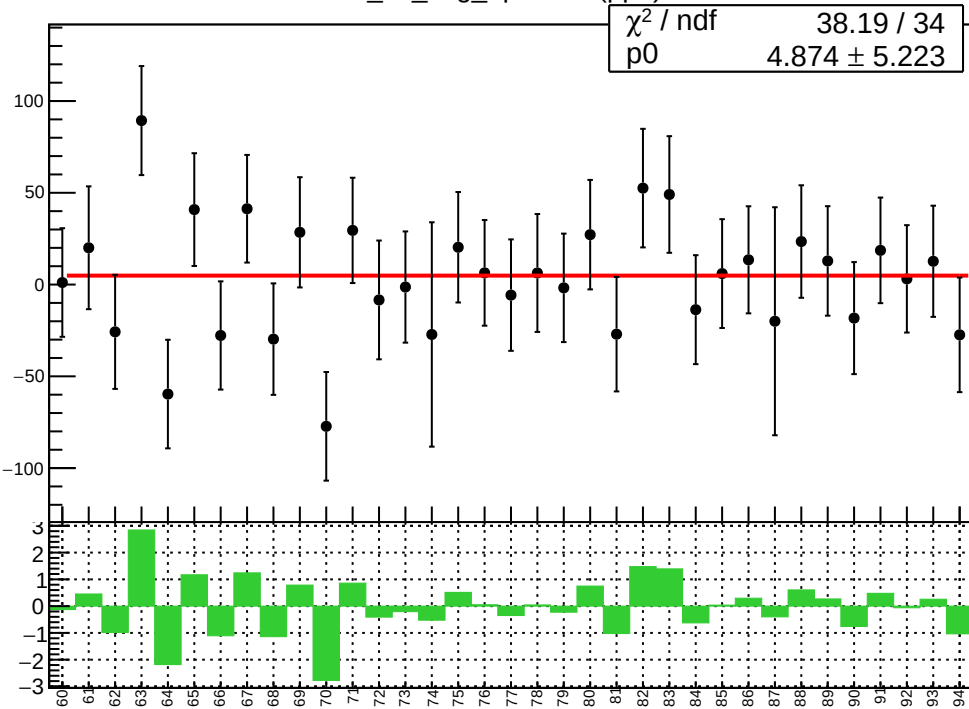
1D pull distribution



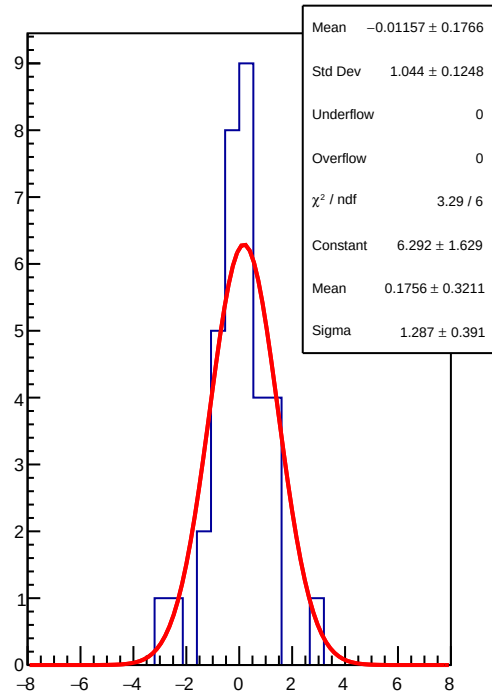
corr_us_avg_bpm16X RMS (ppm)



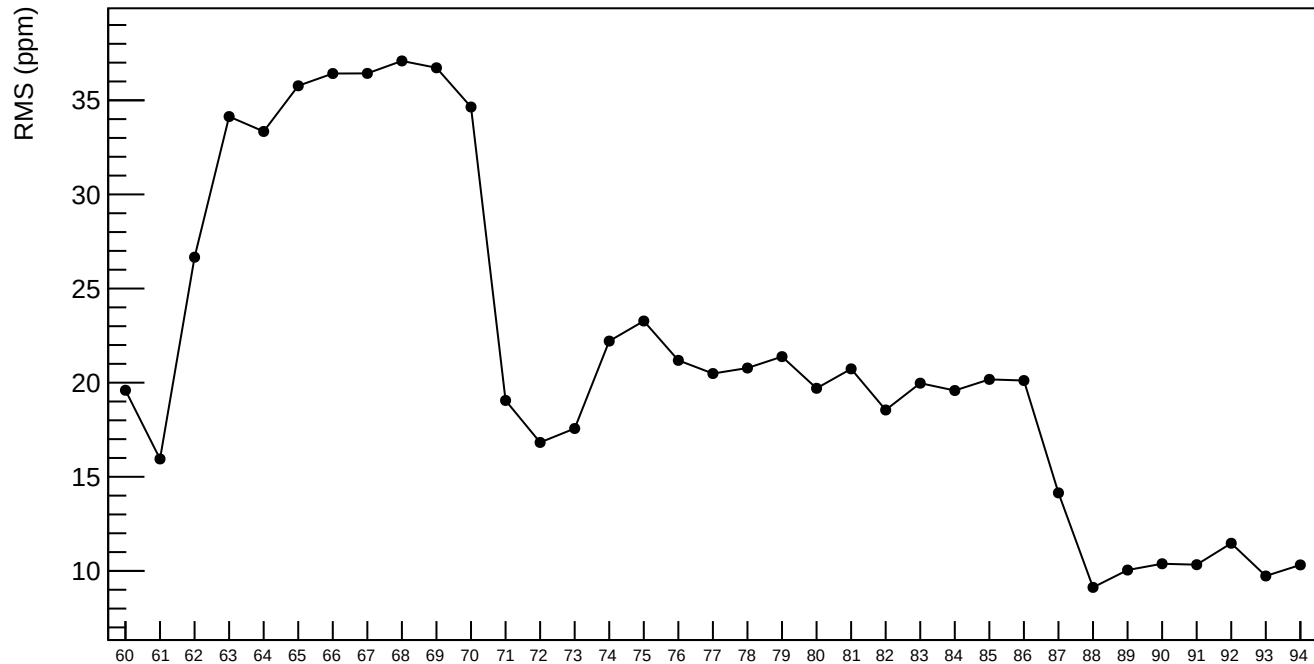
corr_us_avg_bpm16Y (ppb)



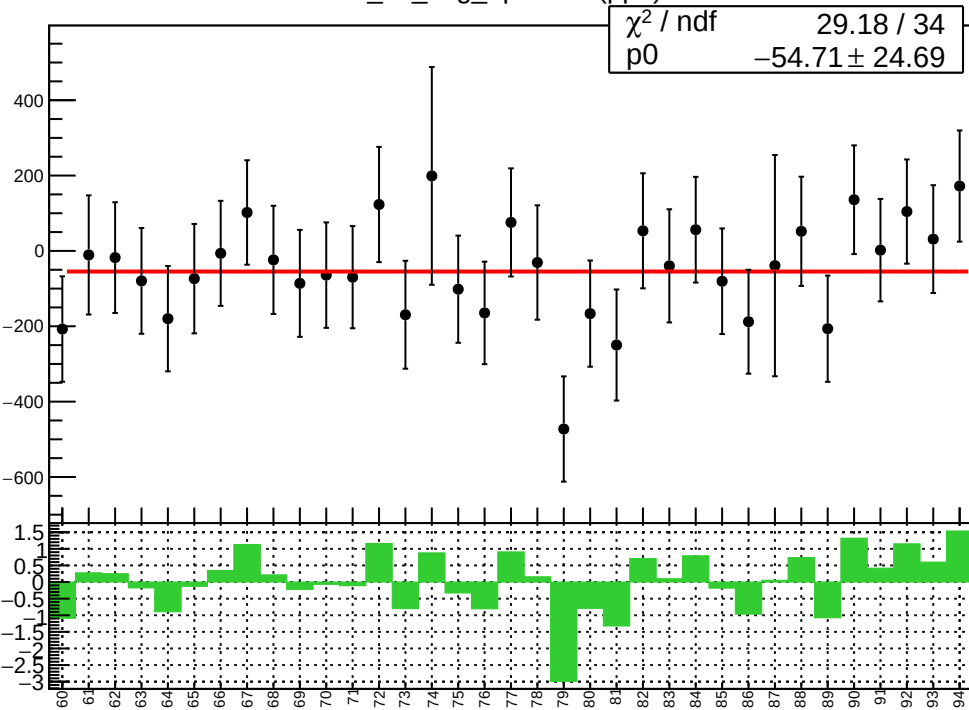
1D pull distribution



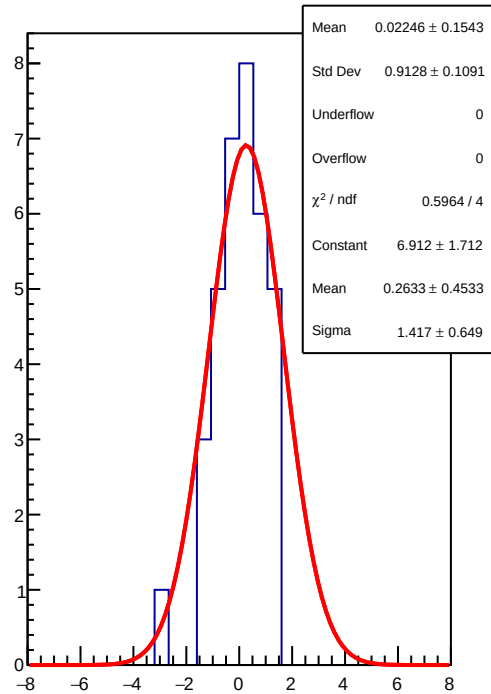
corr_us_avg_bpm16Y RMS (ppm)



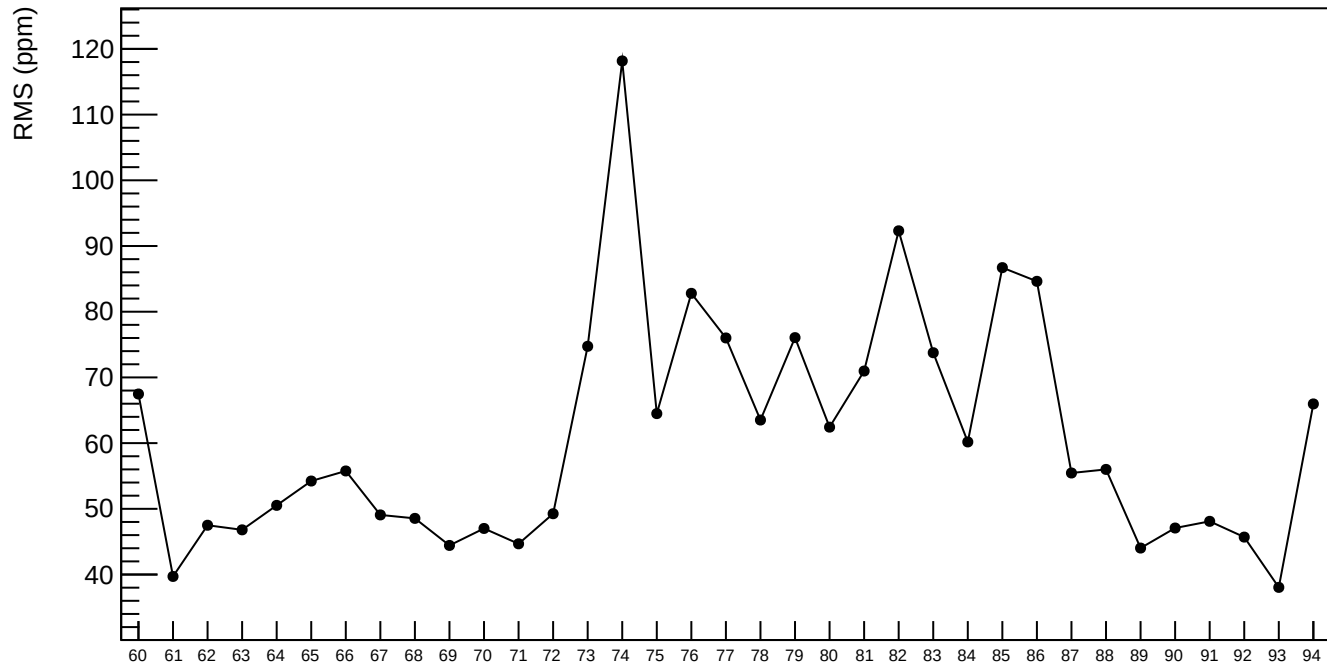
corr_us_avg_bpm12X (ppb)



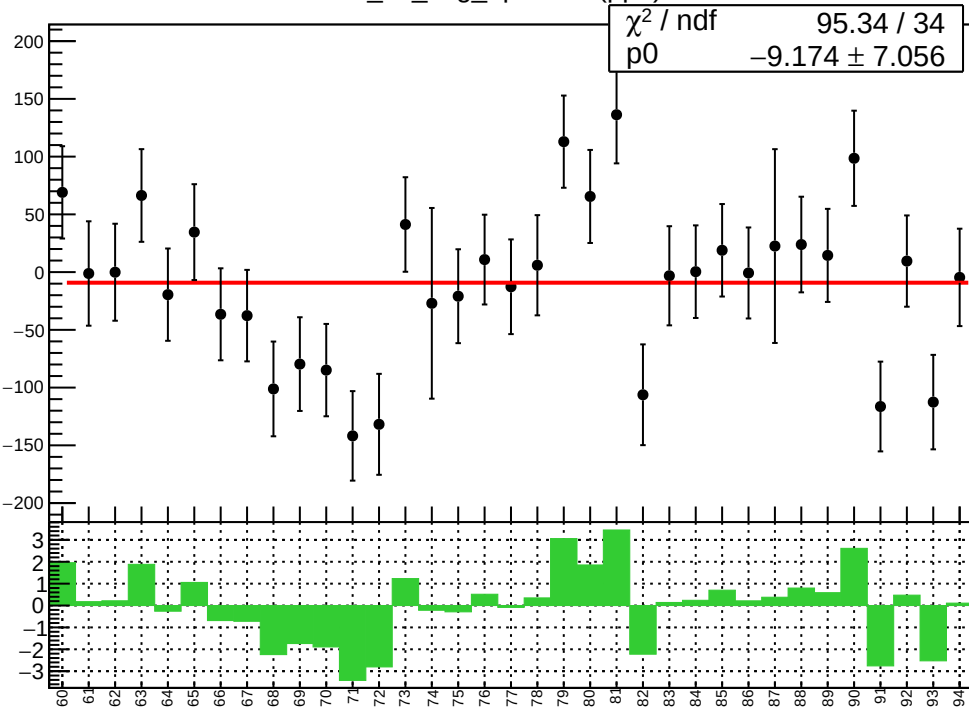
1D pull distribution



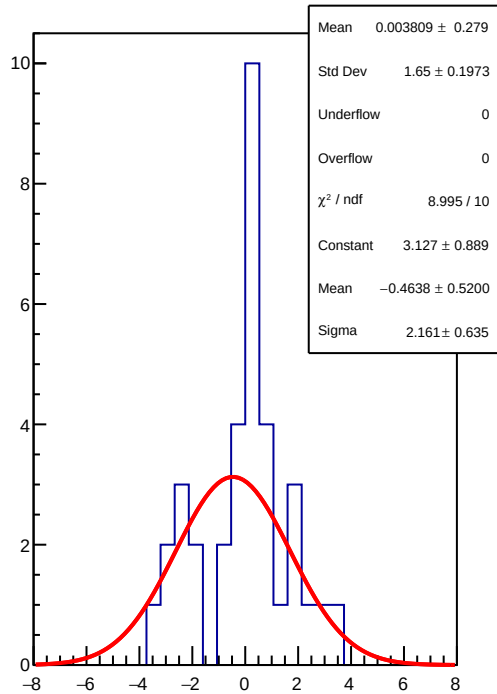
corr_us_avg_bpm12X RMS (ppm)



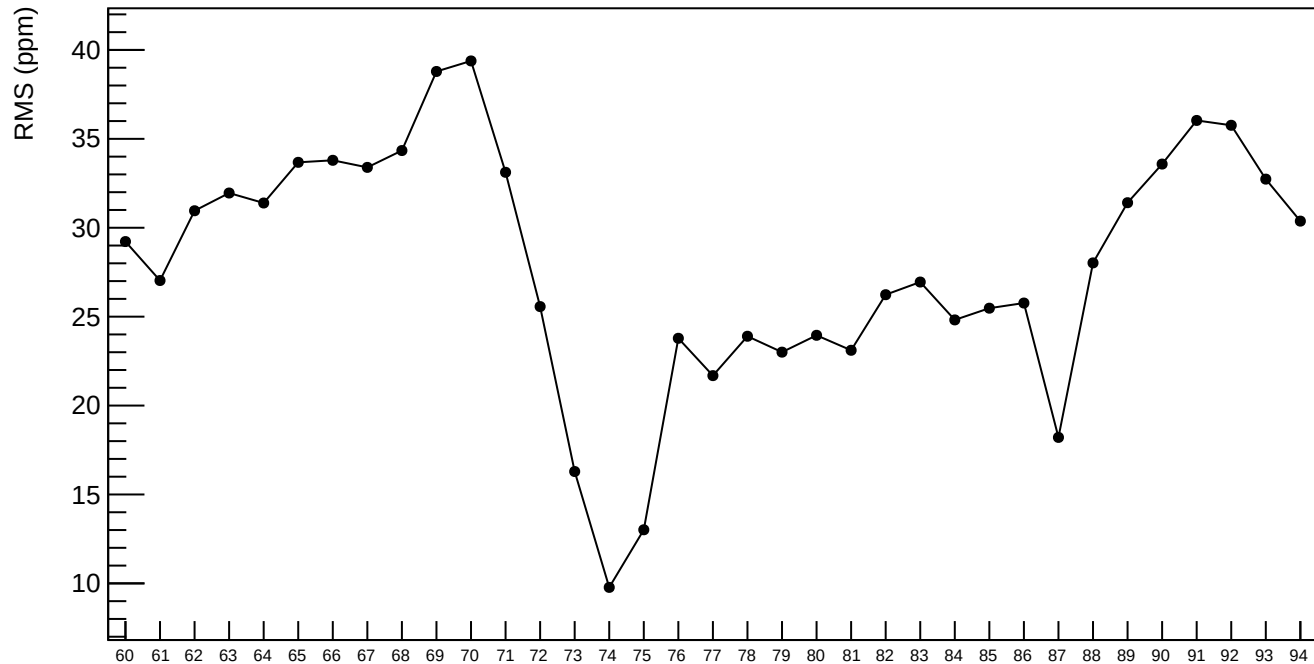
corr_us_avg_bpm12Y (ppb)



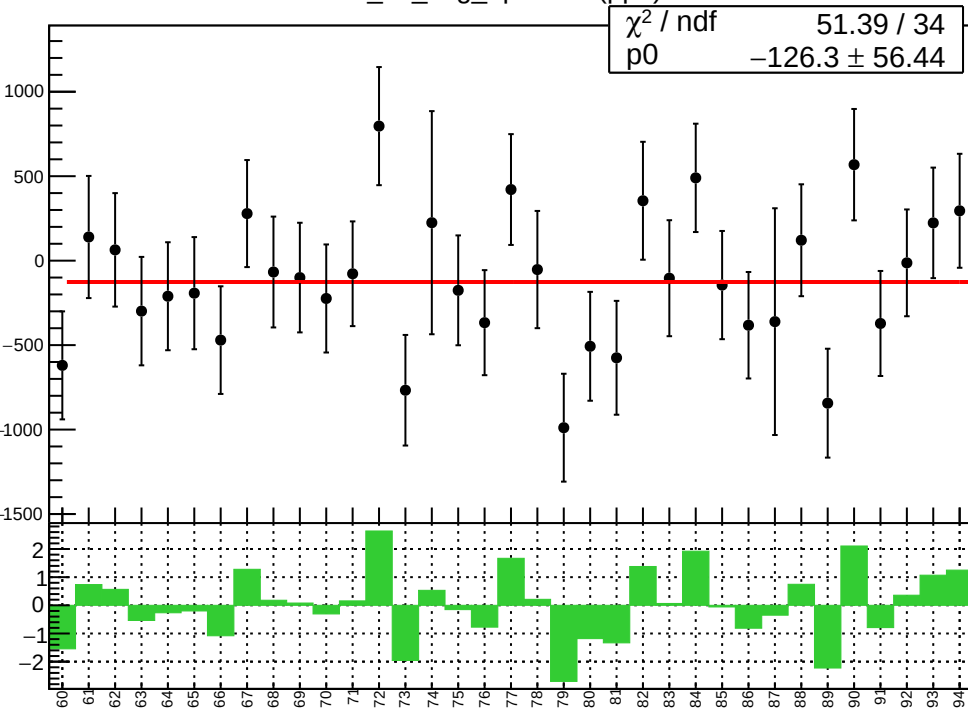
1D pull distribution



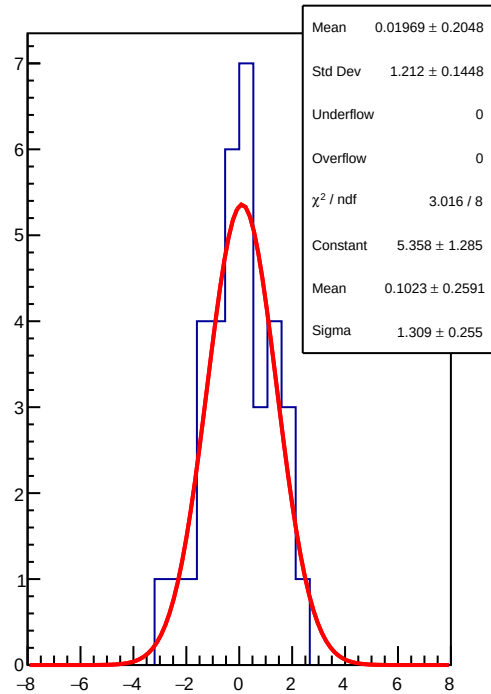
corr_us_avg_bpm12Y RMS (ppm)



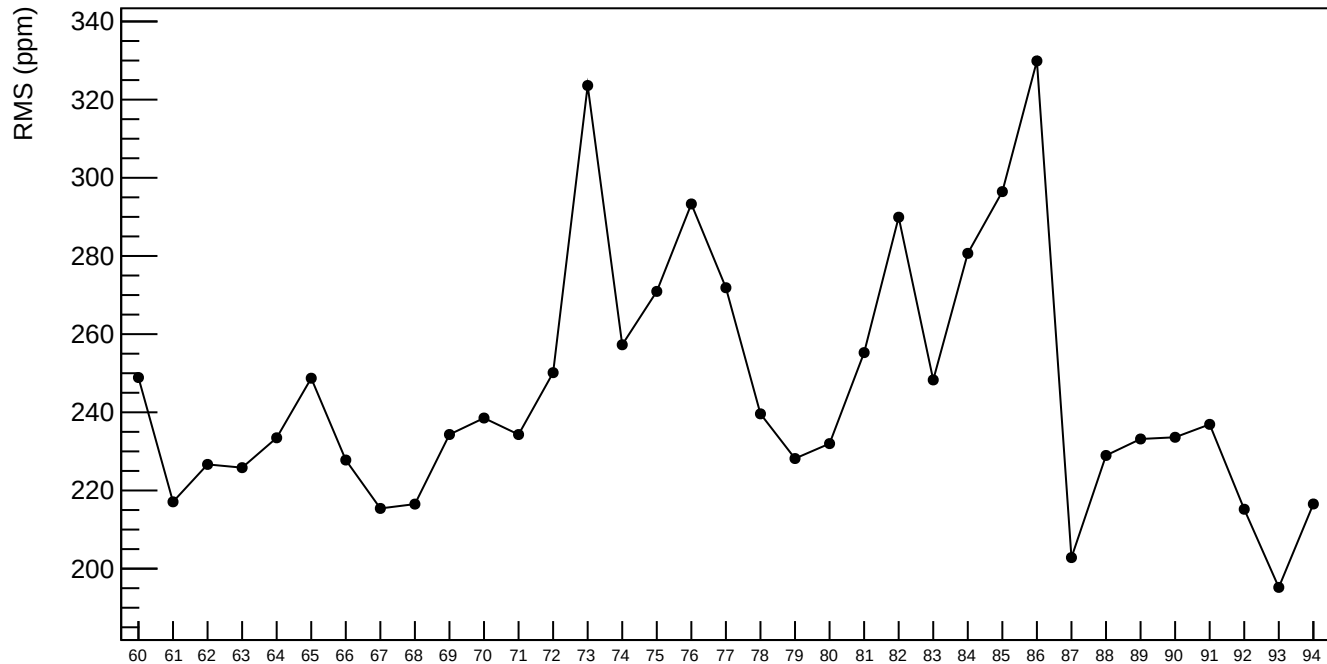
corr_us_avg_bpm11X (ppb)



1D pull distribution

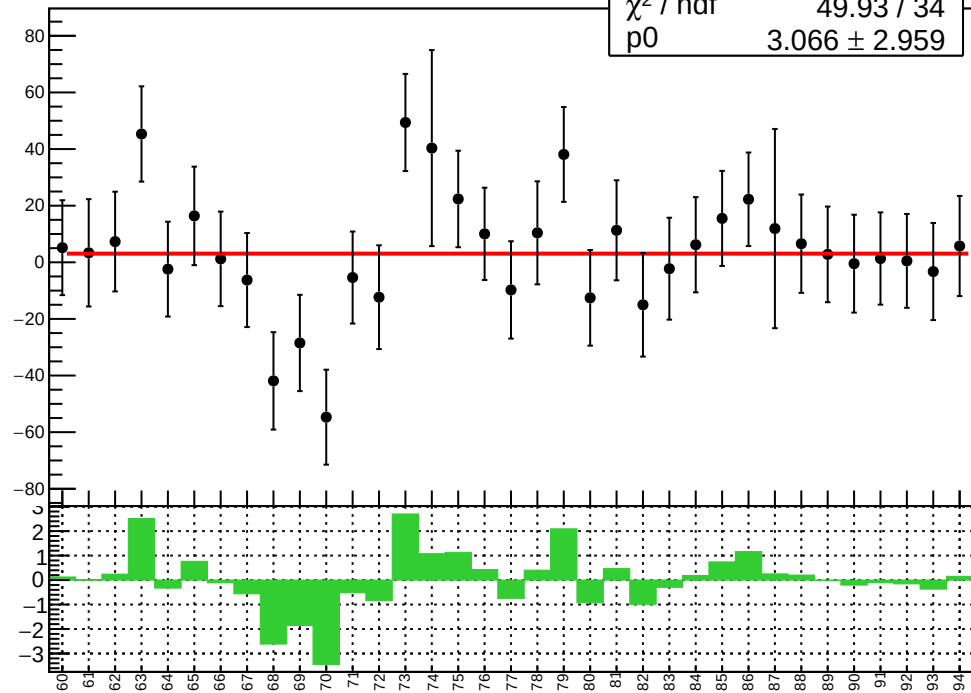


corr_us_avg_bpm11X RMS (ppm)

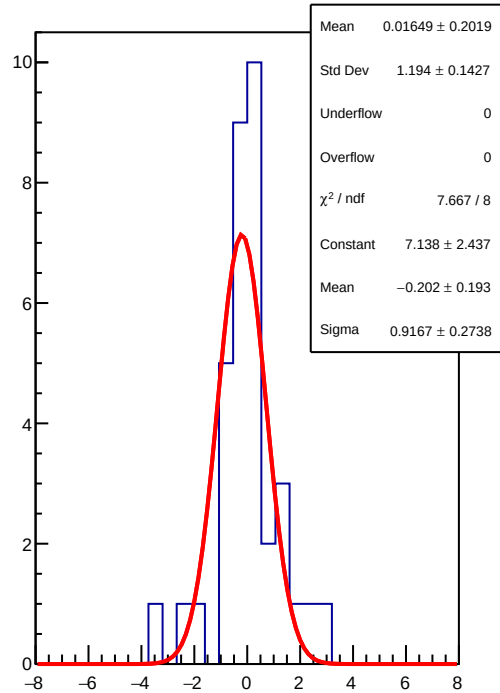


corr_us_avg_bpm11Y (ppb)

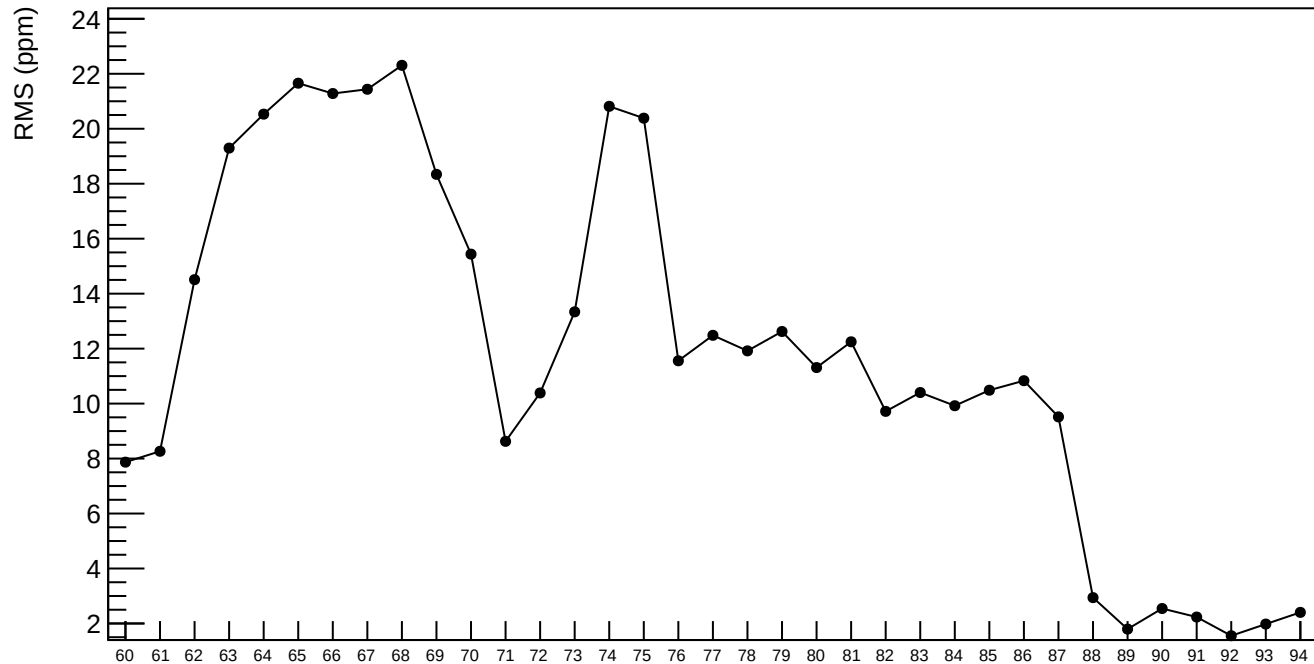
χ^2 / ndf 49.93 / 34
p0 3.066 ± 2.959



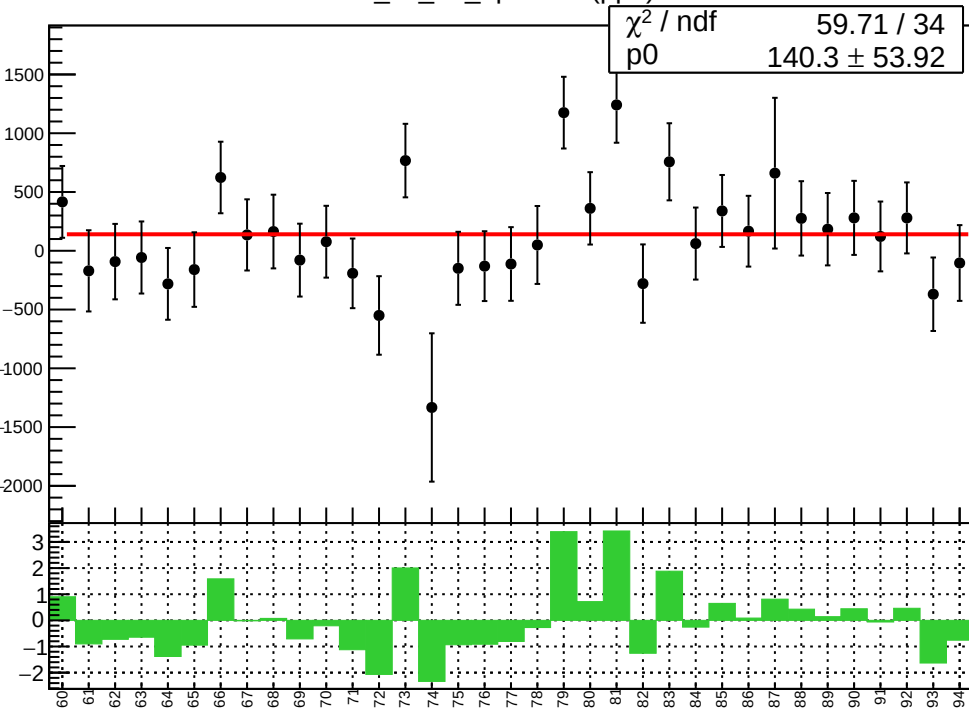
1D pull distribution



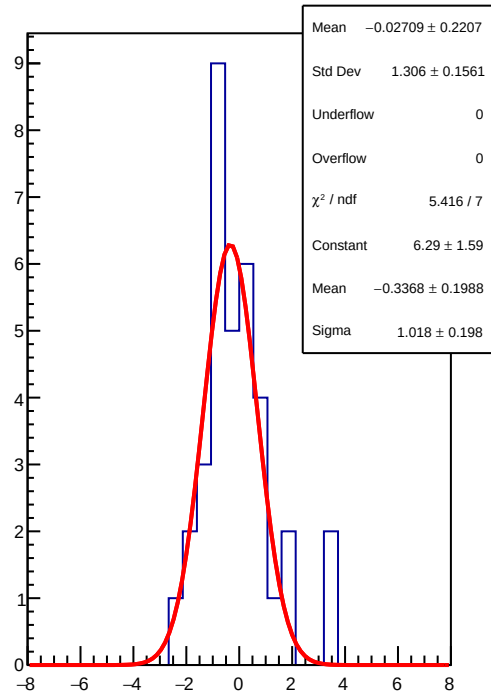
corr_us_avg_bpm11Y RMS (ppm)



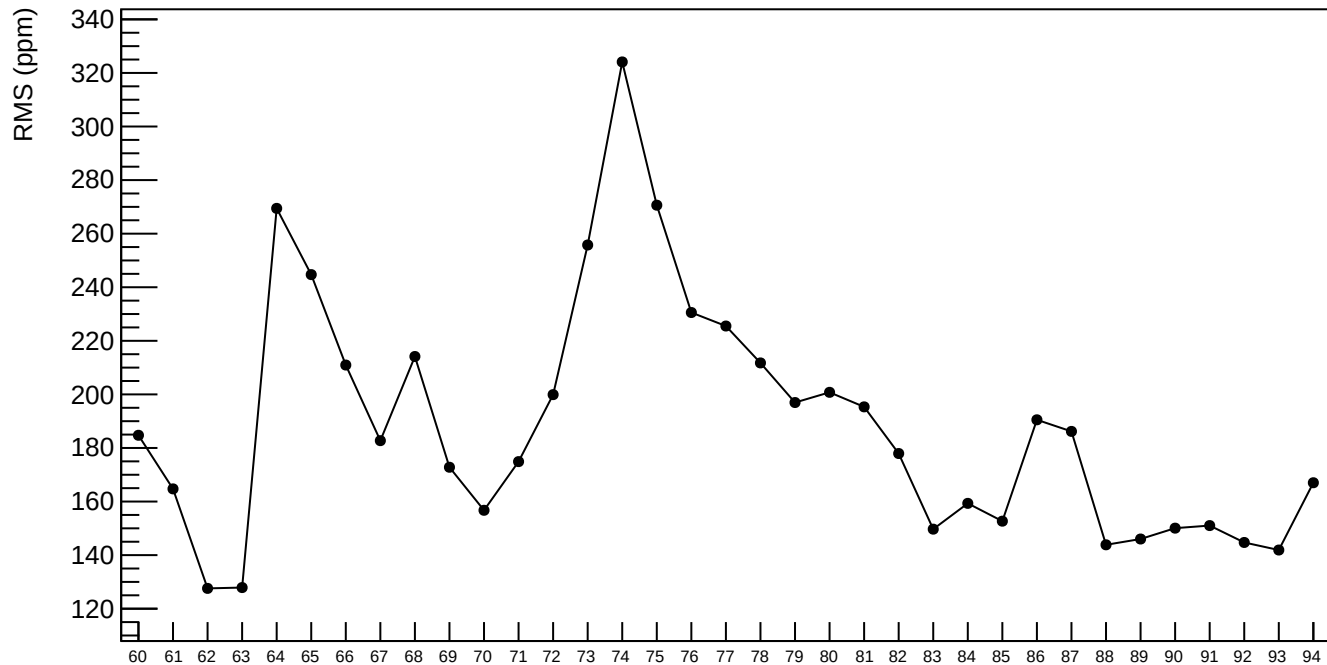
corr_us_dd_bpm4eX (ppb)



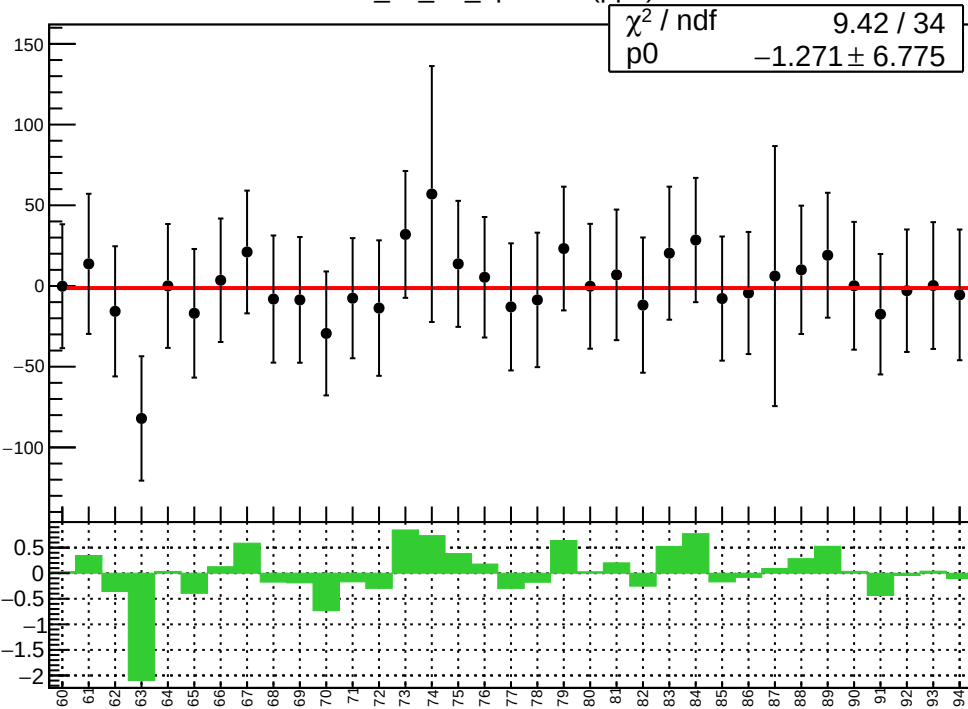
1D pull distribution



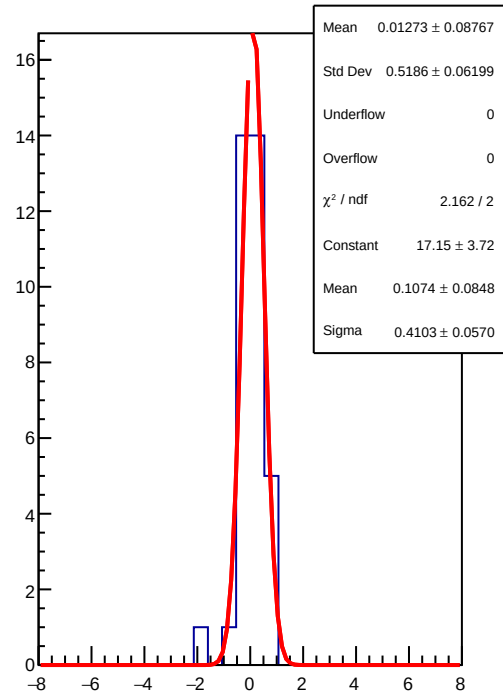
corr_us_dd_bpm4eX RMS (ppm)



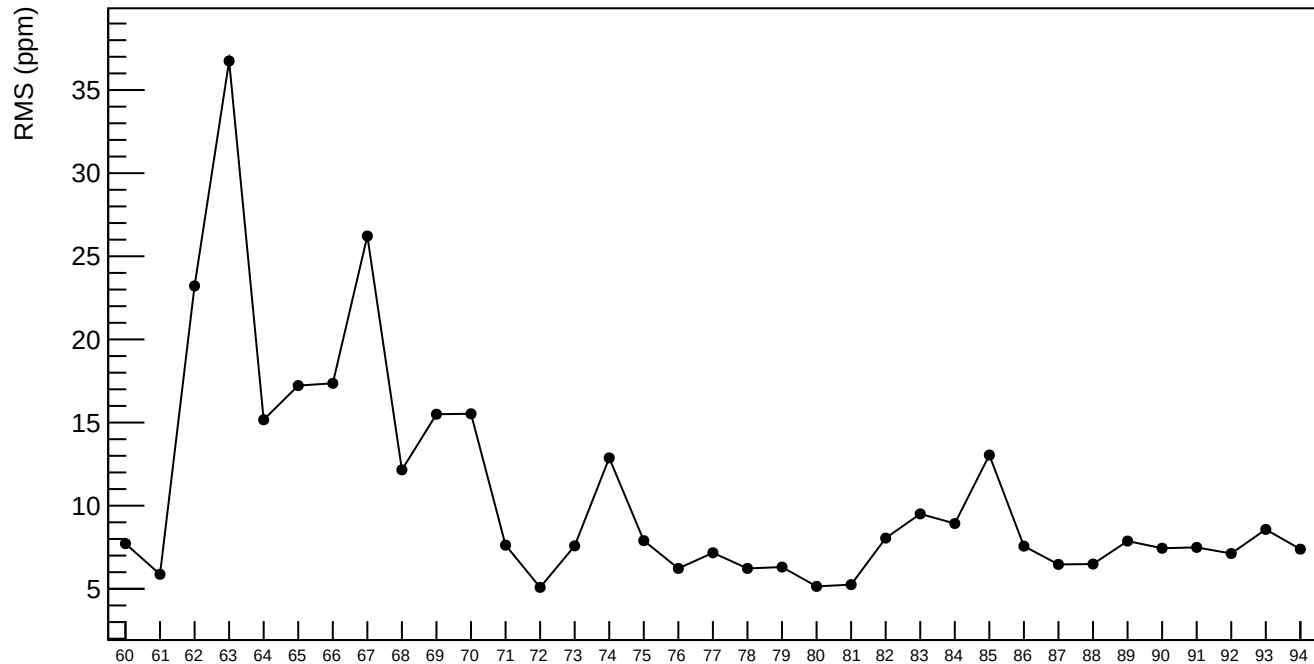
corr_us_dd_bpm4eY (ppb)



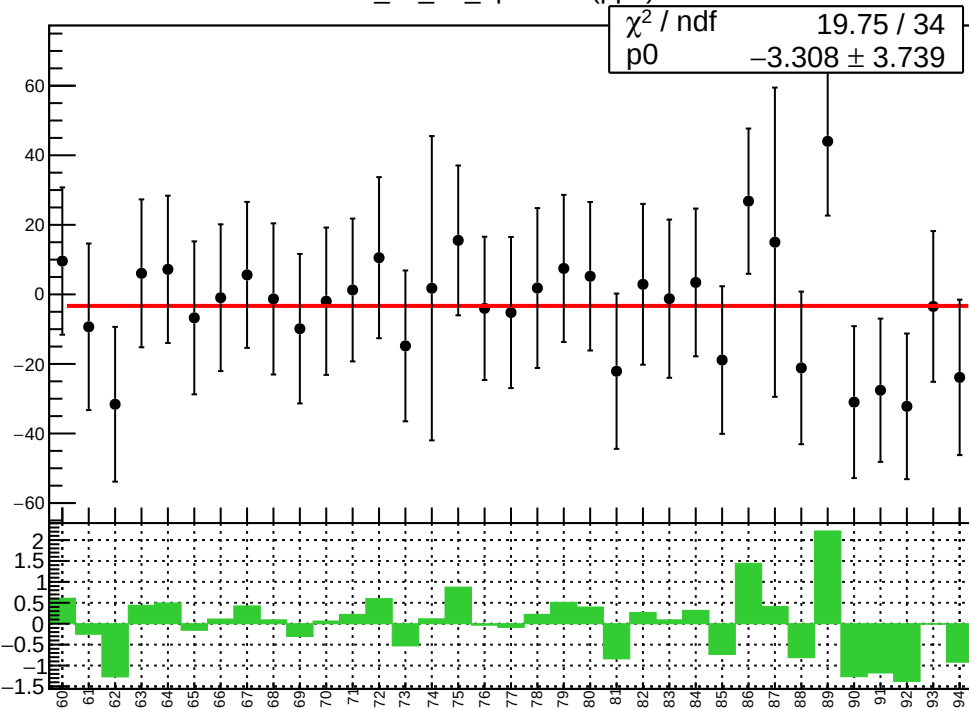
1D pull distribution



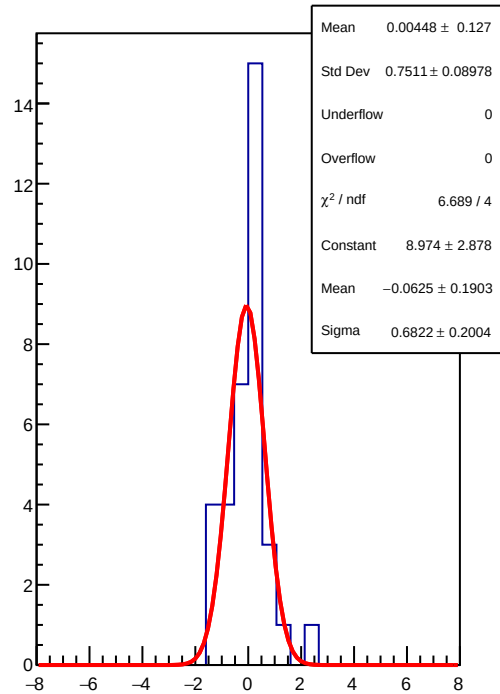
corr_us_dd_bpm4eY RMS (ppm)



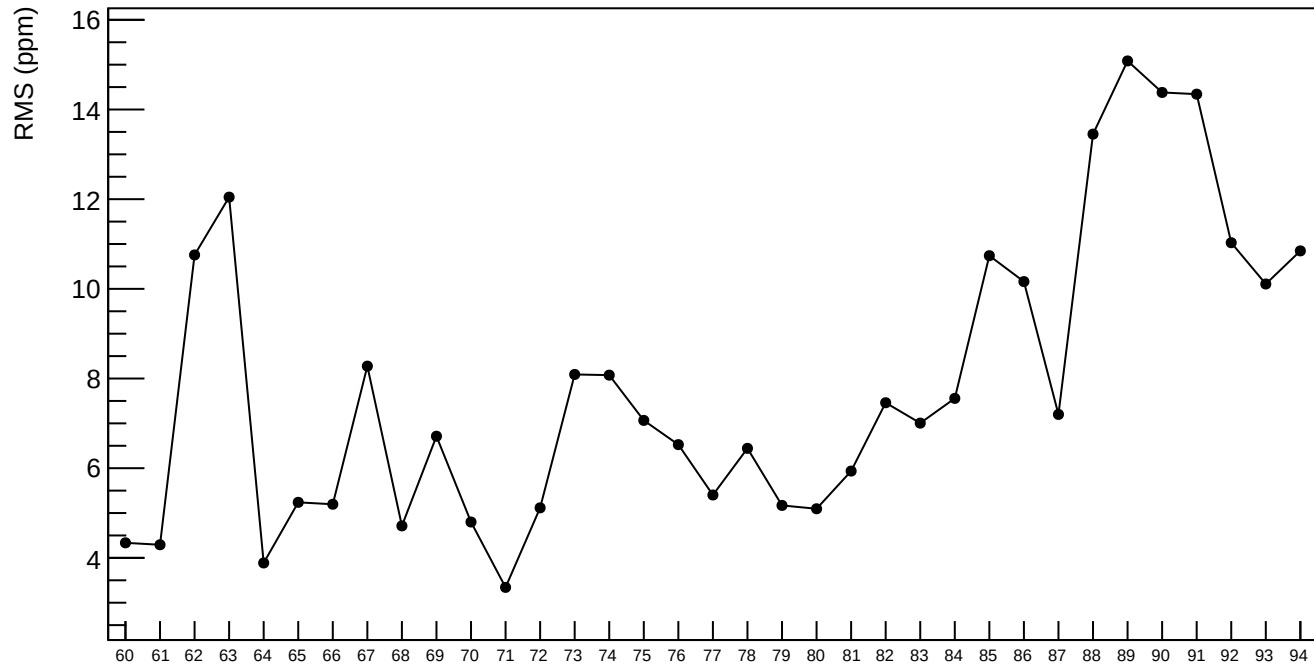
corr_us_dd_bpm4aX (ppb)



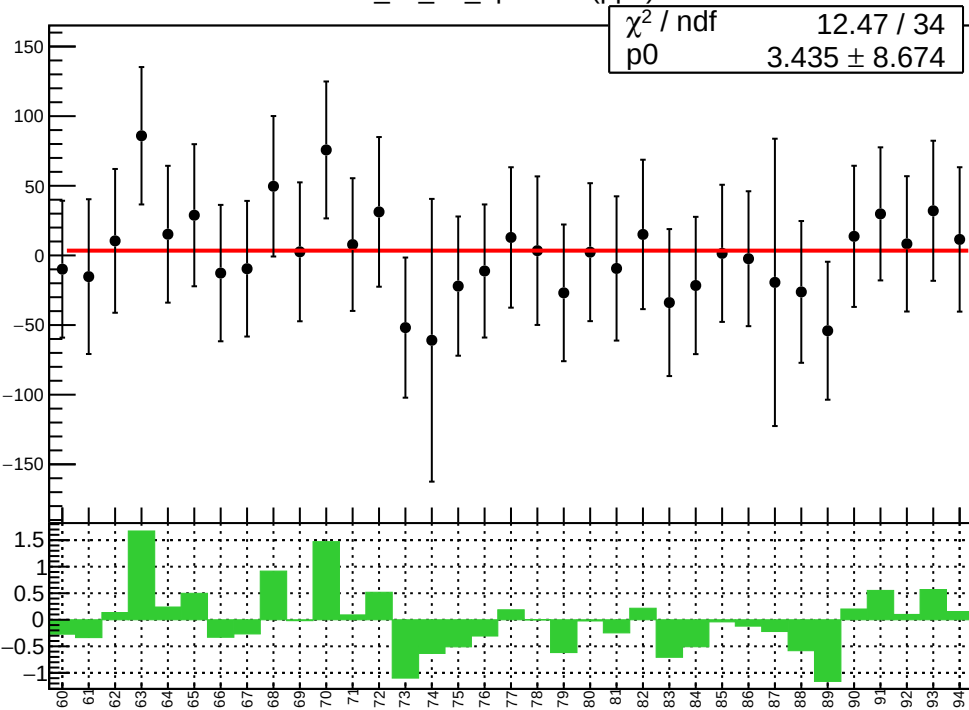
1D pull distribution



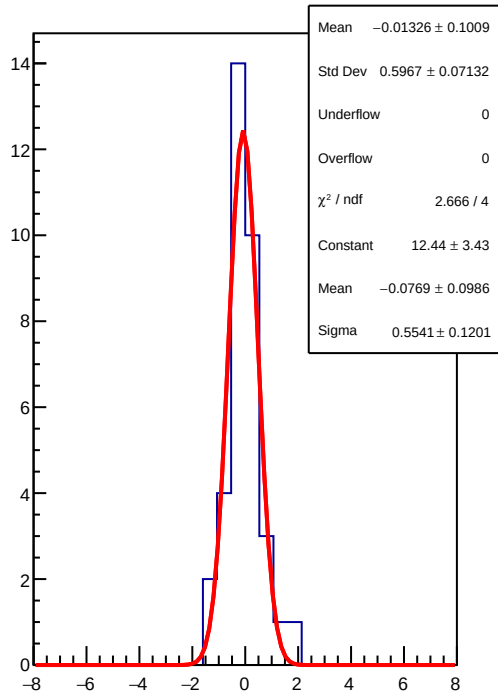
corr_us_dd_bpm4aX RMS (ppm)



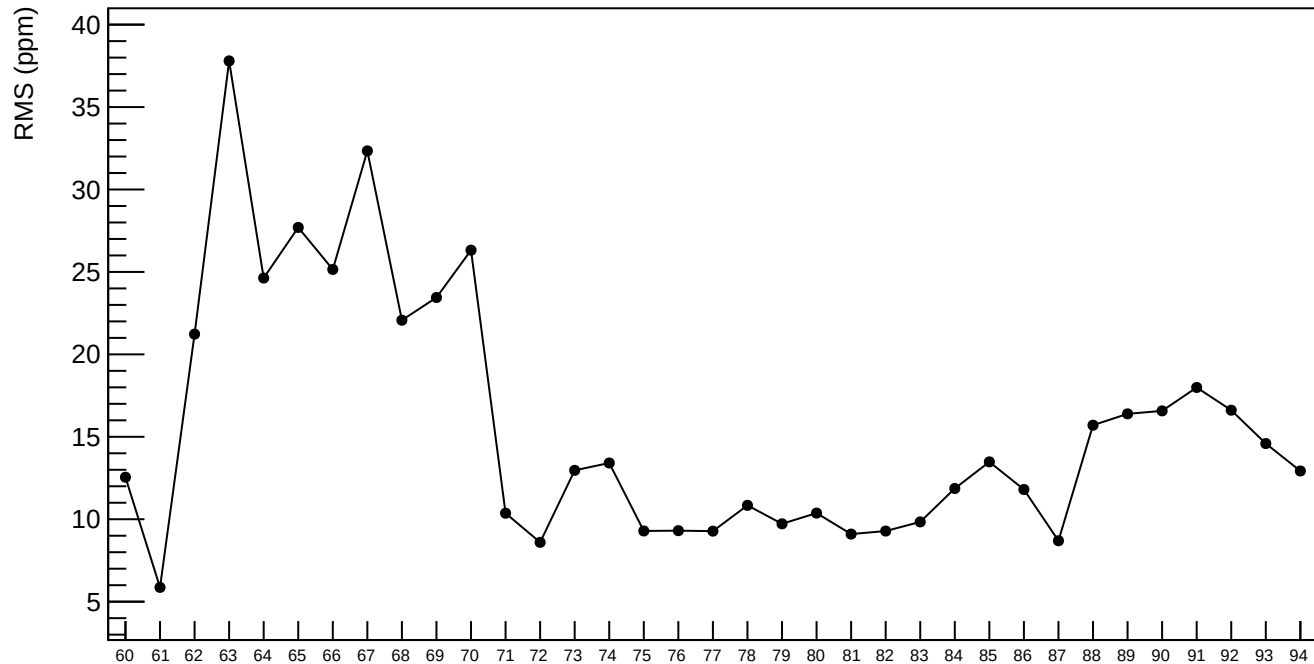
corr_us_dd_bpm4aY (ppb)



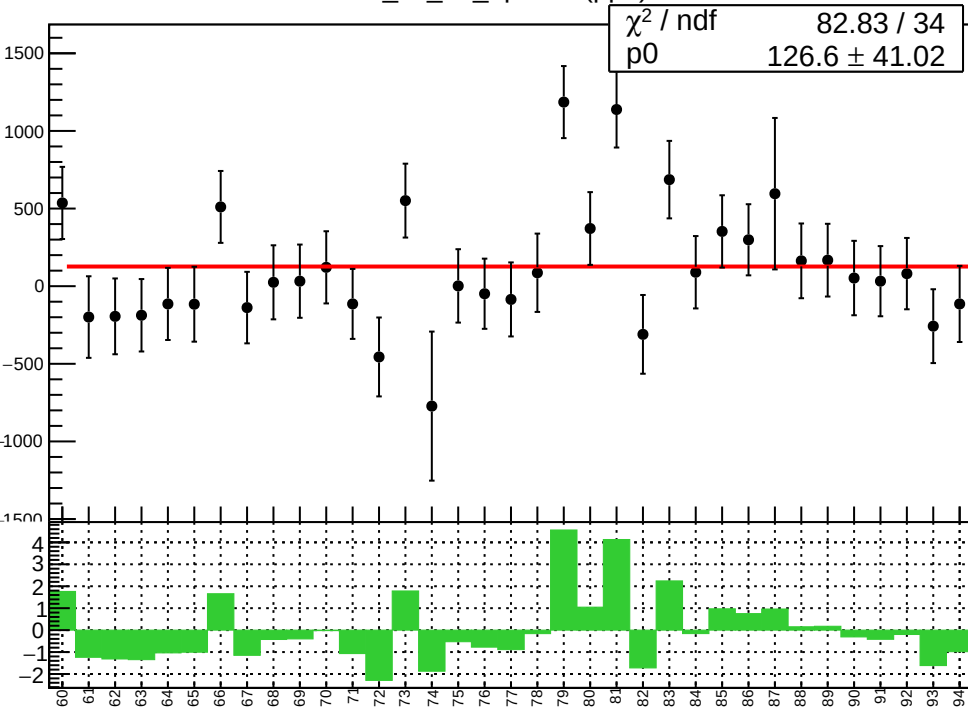
1D pull distribution



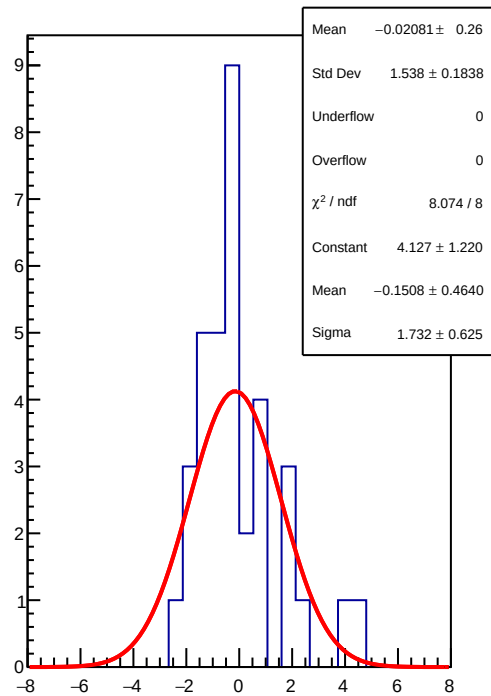
corr_us_dd_bpm4aY RMS (ppm)



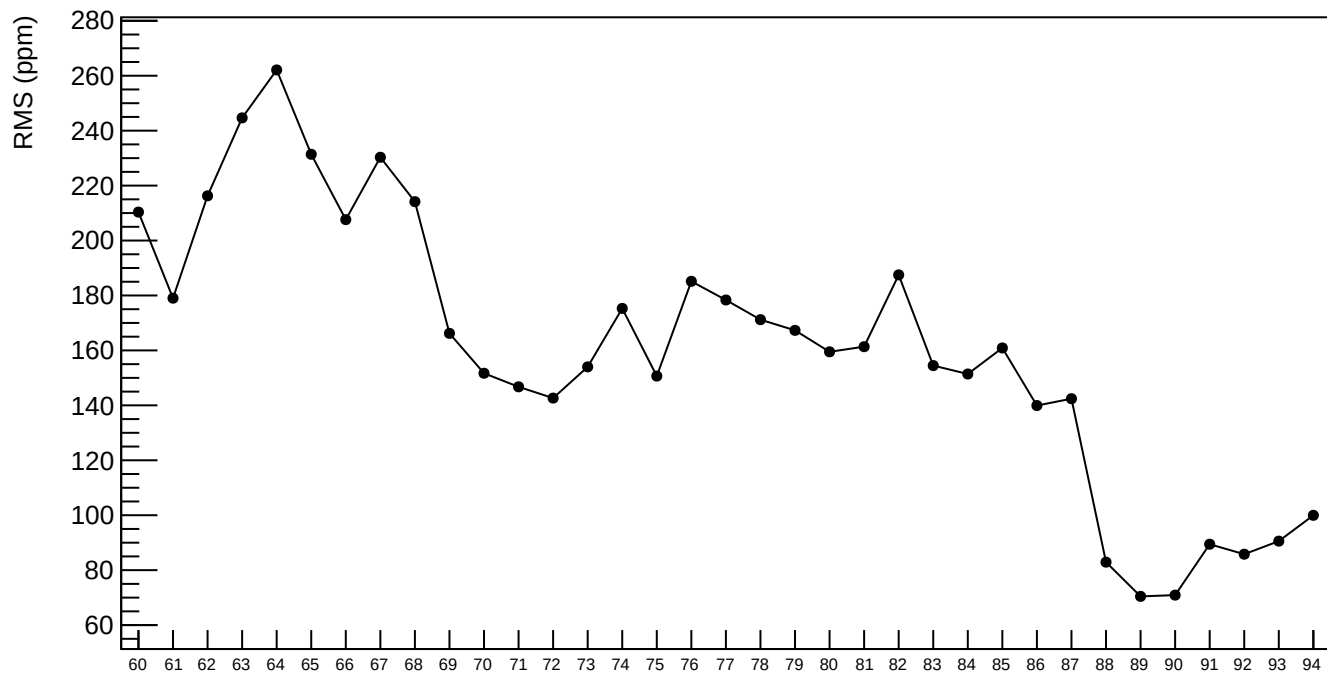
corr_us_dd_bpm1X (ppb)



1D pull distribution



corr_us_dd_bpm1X RMS (ppm)

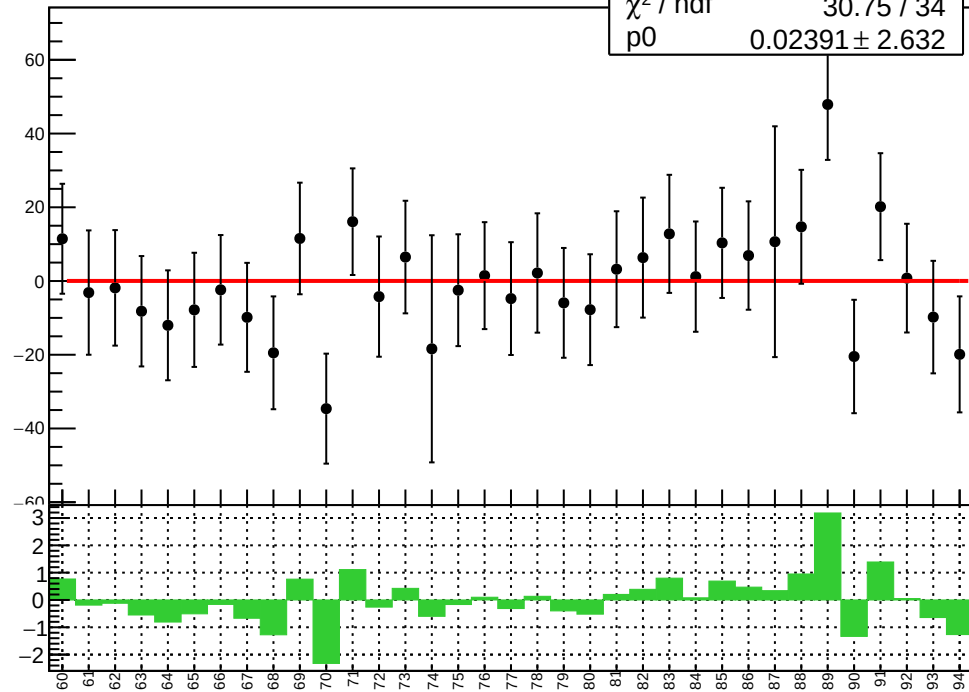


corr_us_dd_bpm1Y (ppb)

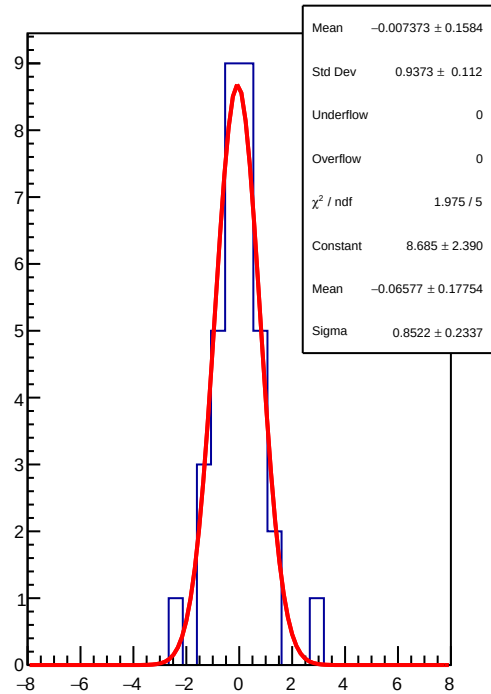
 χ^2 / ndf

30.75 / 34

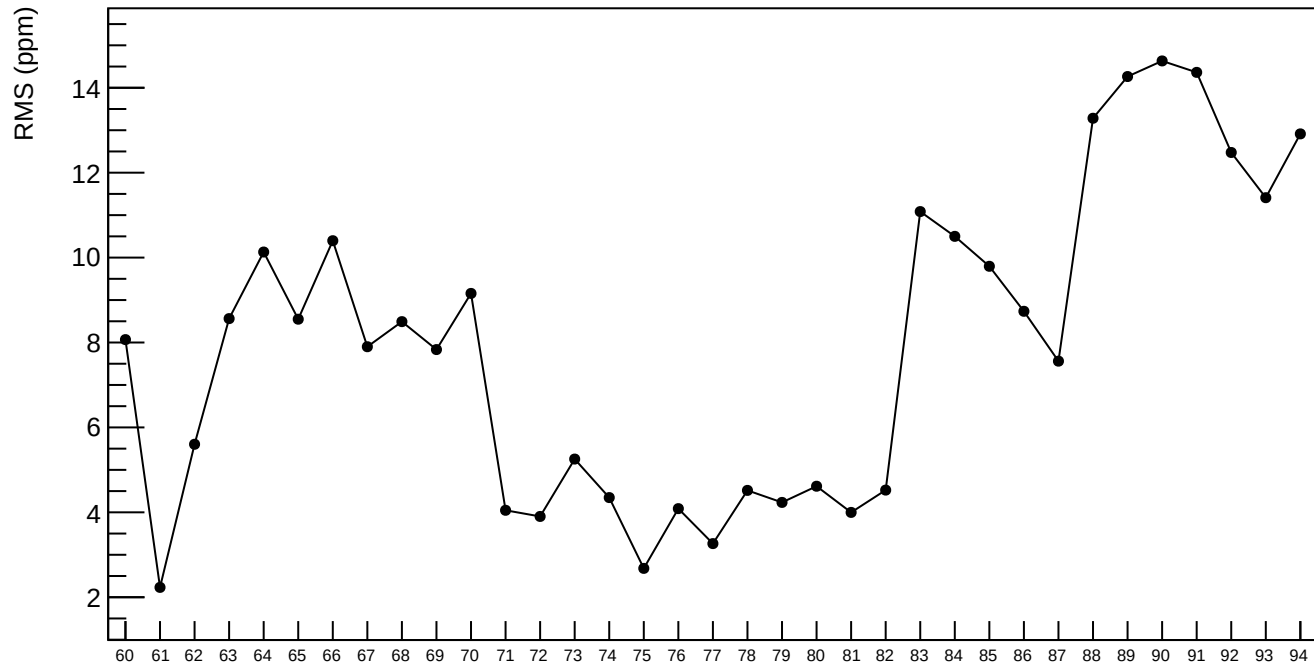
p0

 0.02391 ± 2.632 

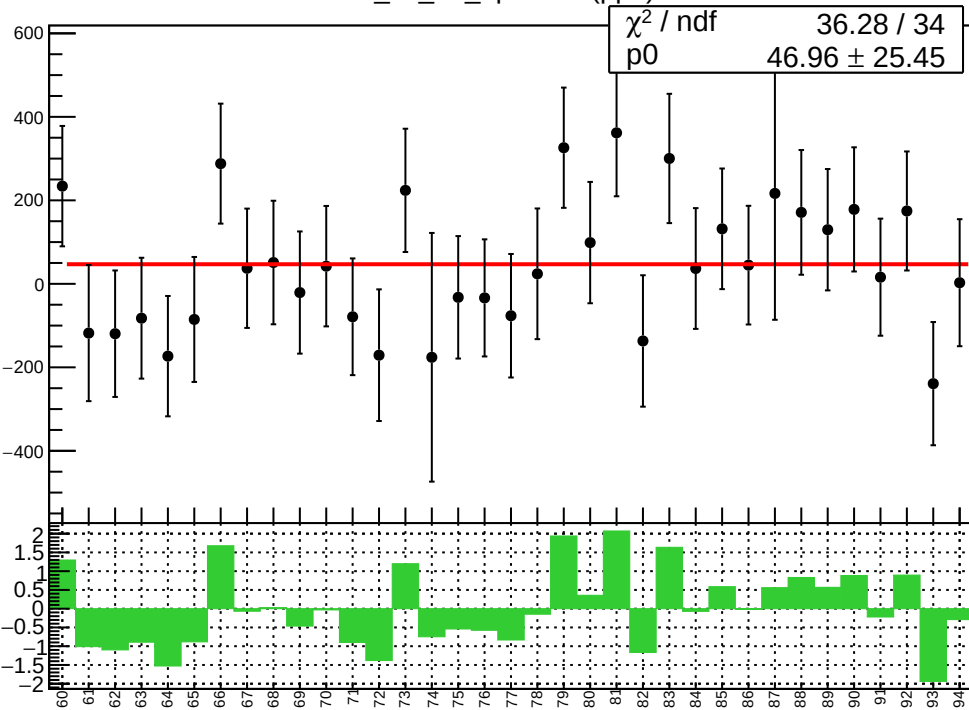
1D pull distribution



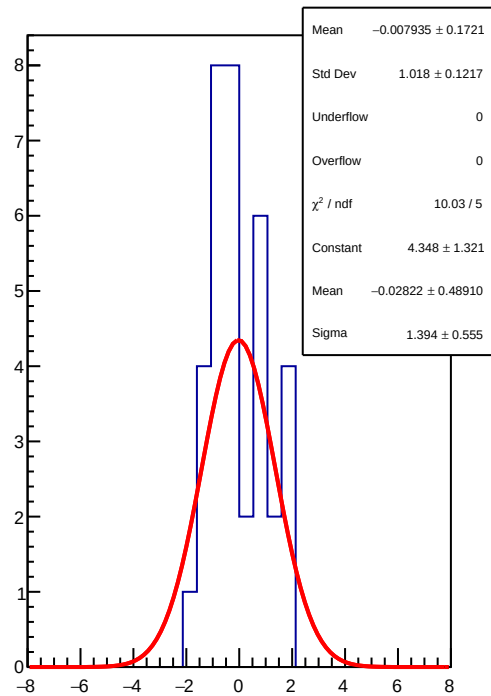
corr_us_dd_bpm1Y RMS (ppm)



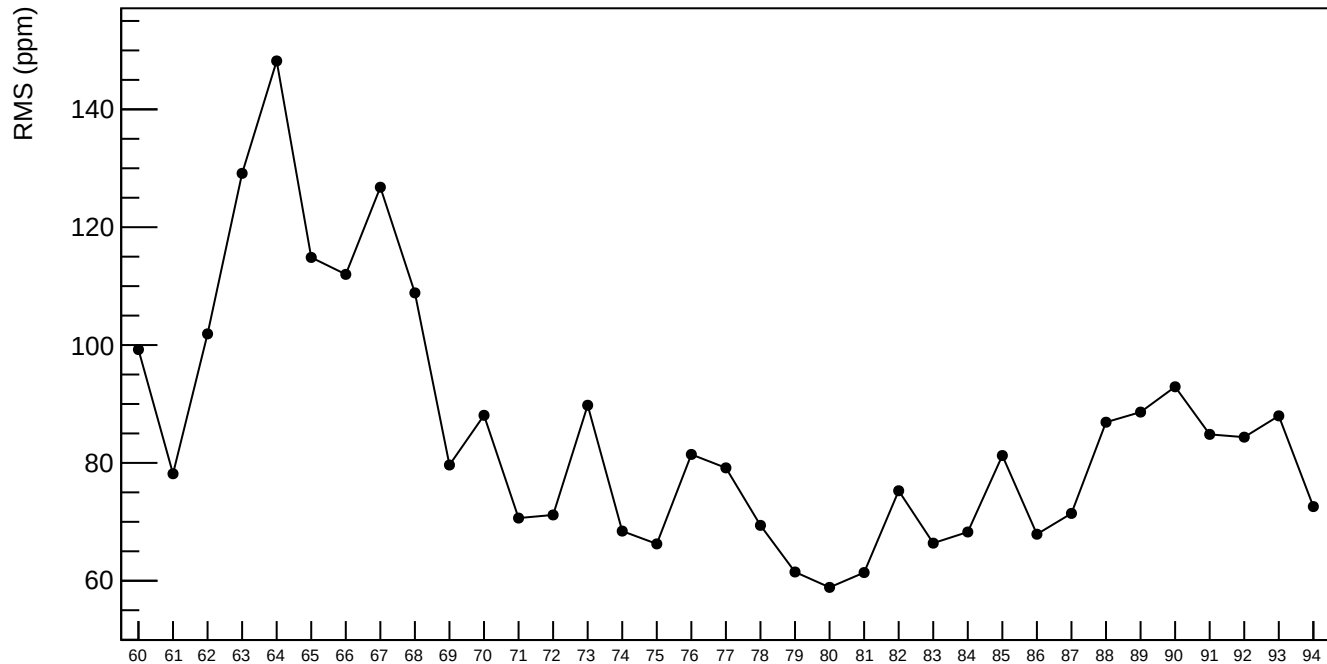
corr_us_dd_bpm16X (ppb)



1D pull distribution



corr_us_dd_bpm16X RMS (ppm)

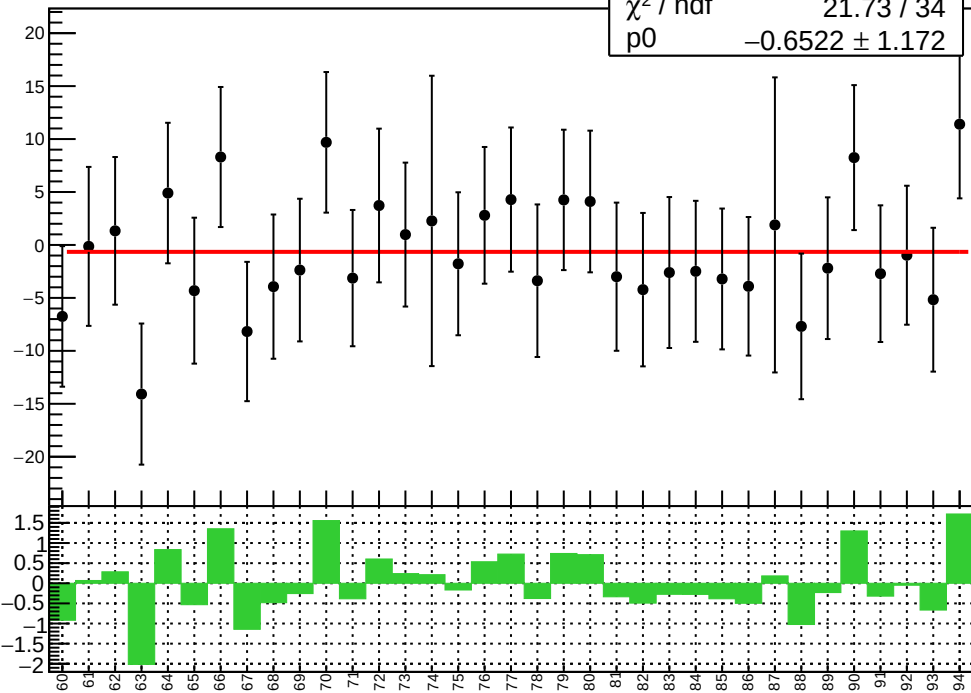


corr_us_dd_bpm16Y (ppb)

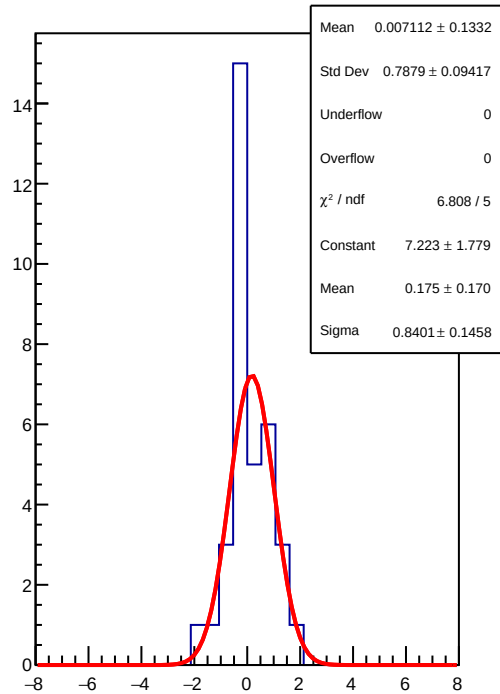
 χ^2 / ndf

21.73 / 34

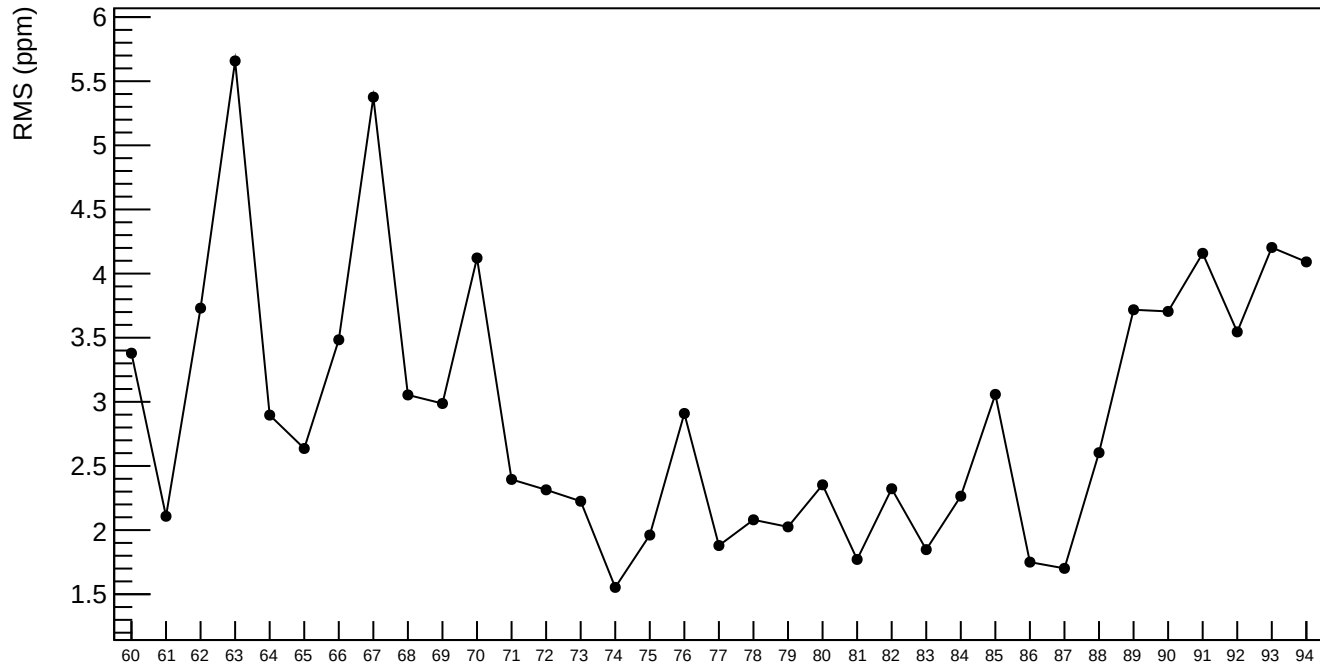
p0

 -0.6522 ± 1.172 

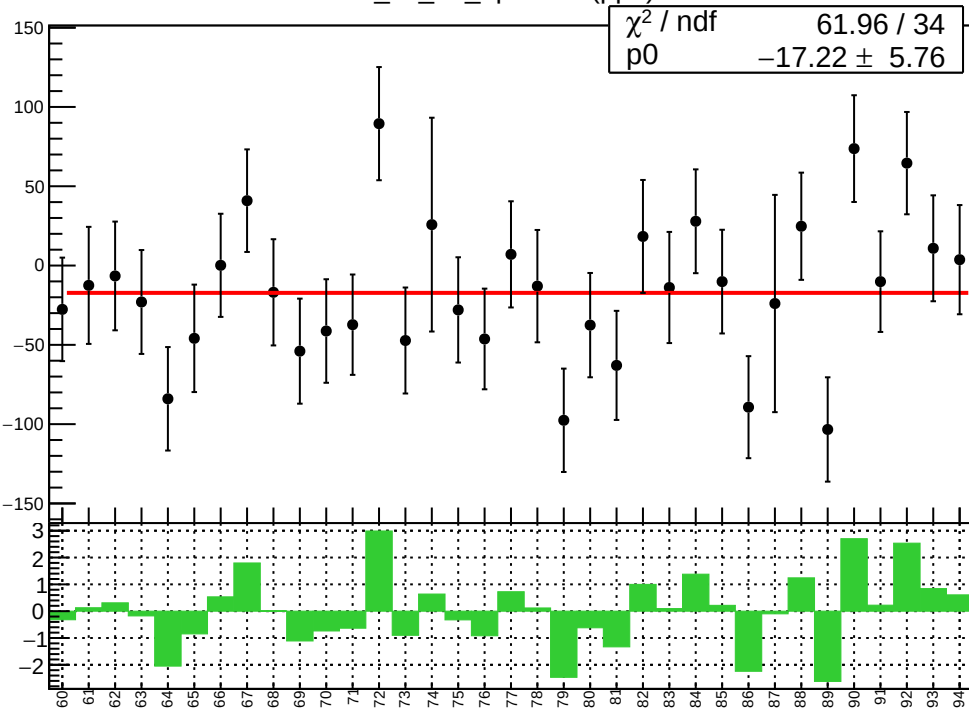
1D pull distribution



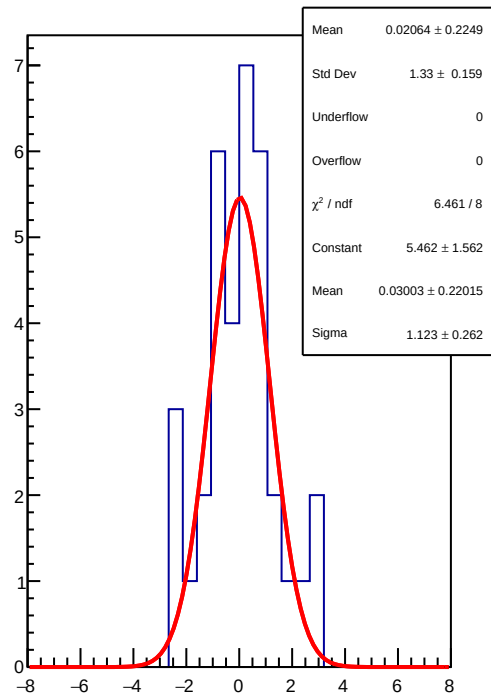
corr_us_dd_bpm16Y RMS (ppm)



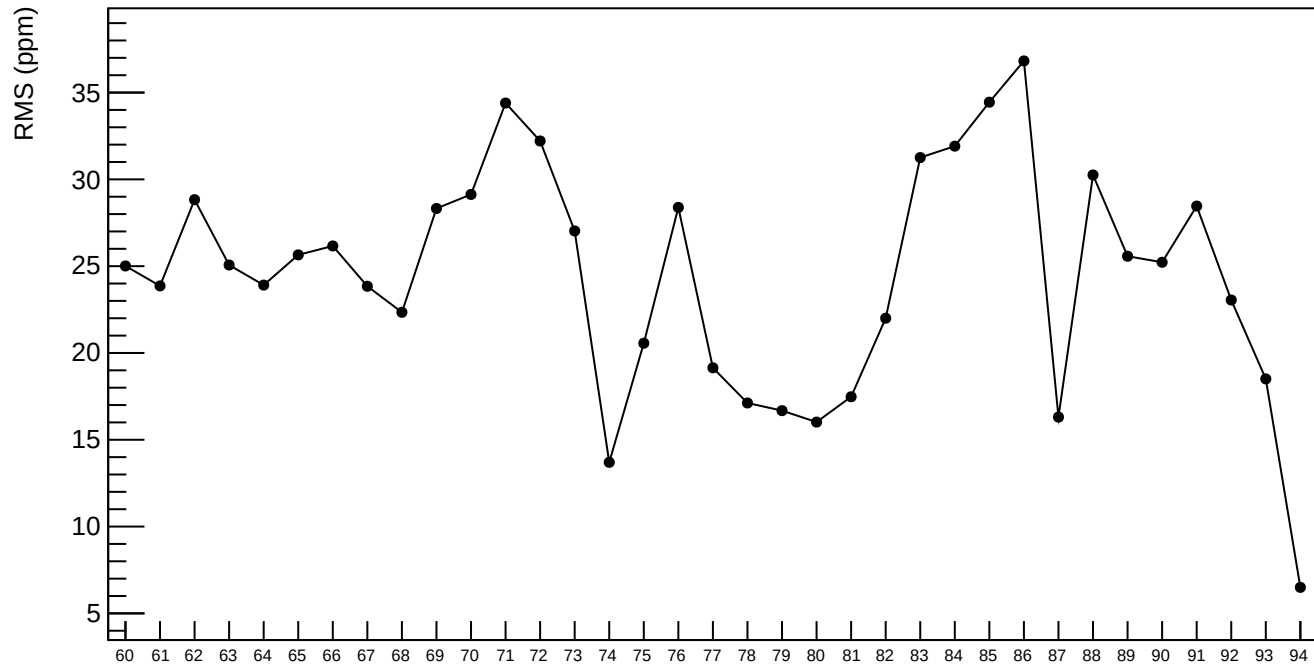
corr_us_dd_bpm12X (ppb)



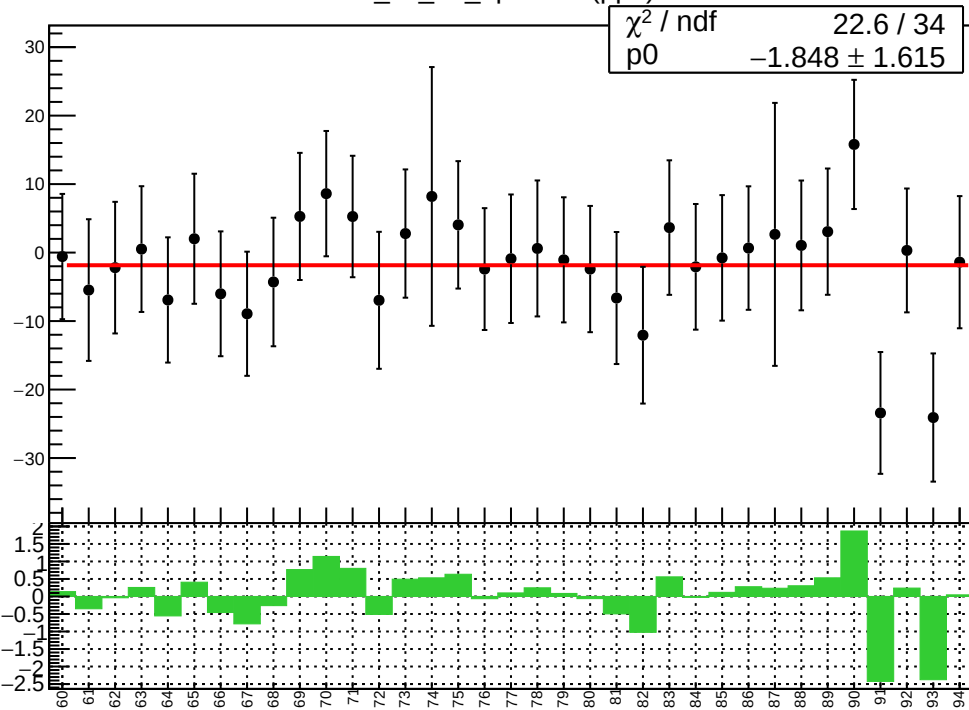
1D pull distribution



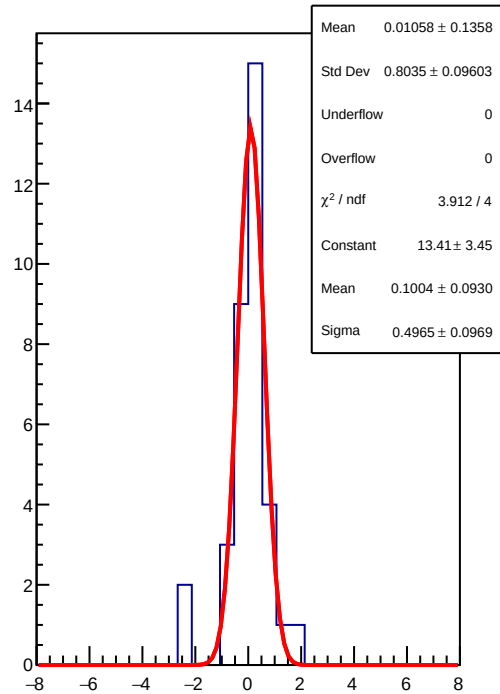
corr_us_dd_bpm12X RMS (ppm)



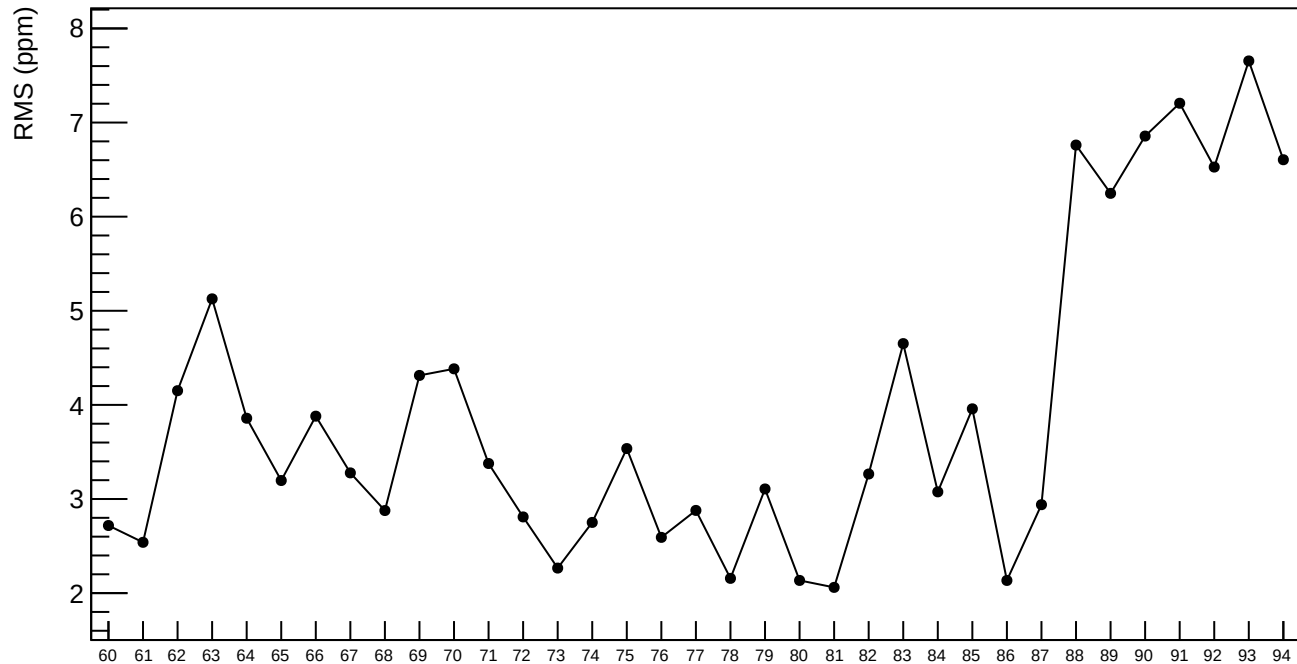
corr_us_dd_bpm12Y (ppb)



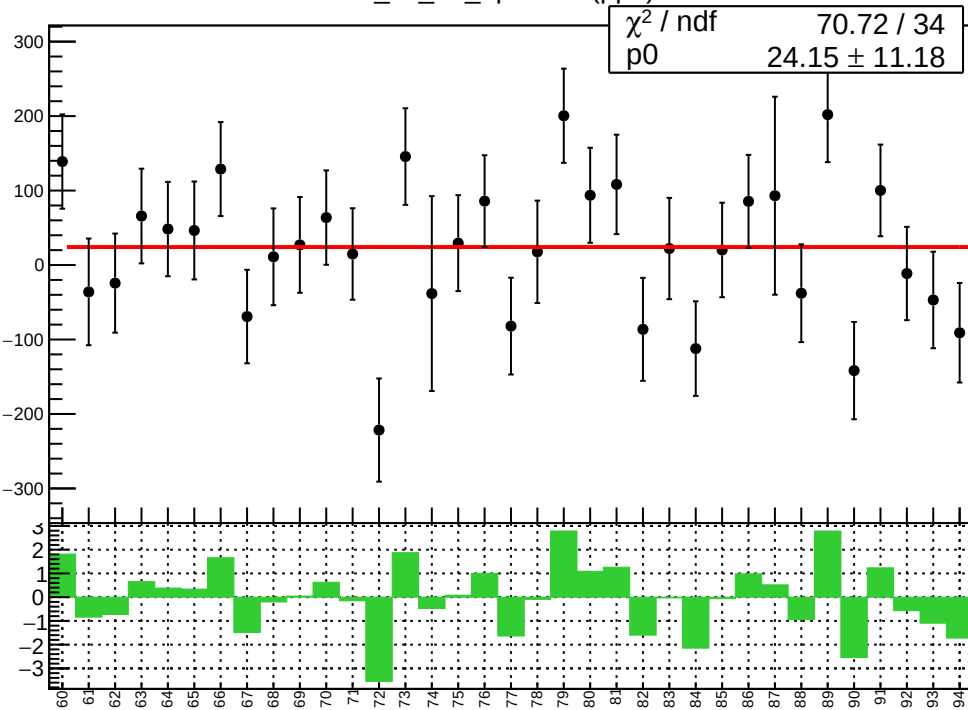
1D pull distribution



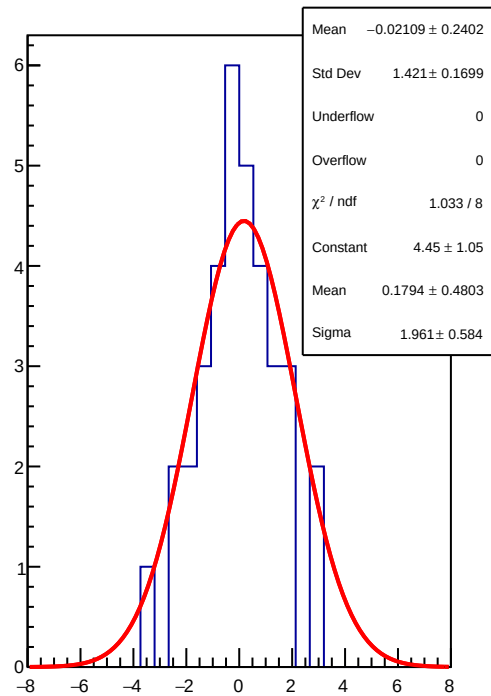
corr_us_dd_bpm12Y RMS (ppm)



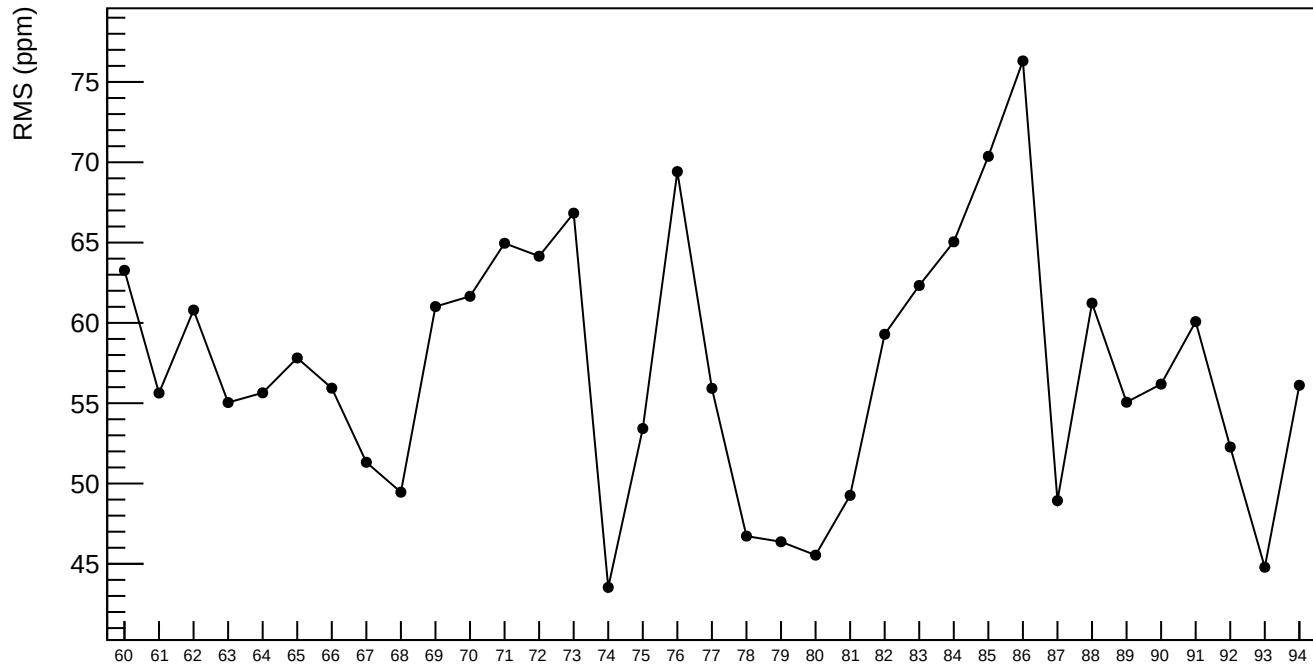
corr_us_dd_bpm11X (ppb)



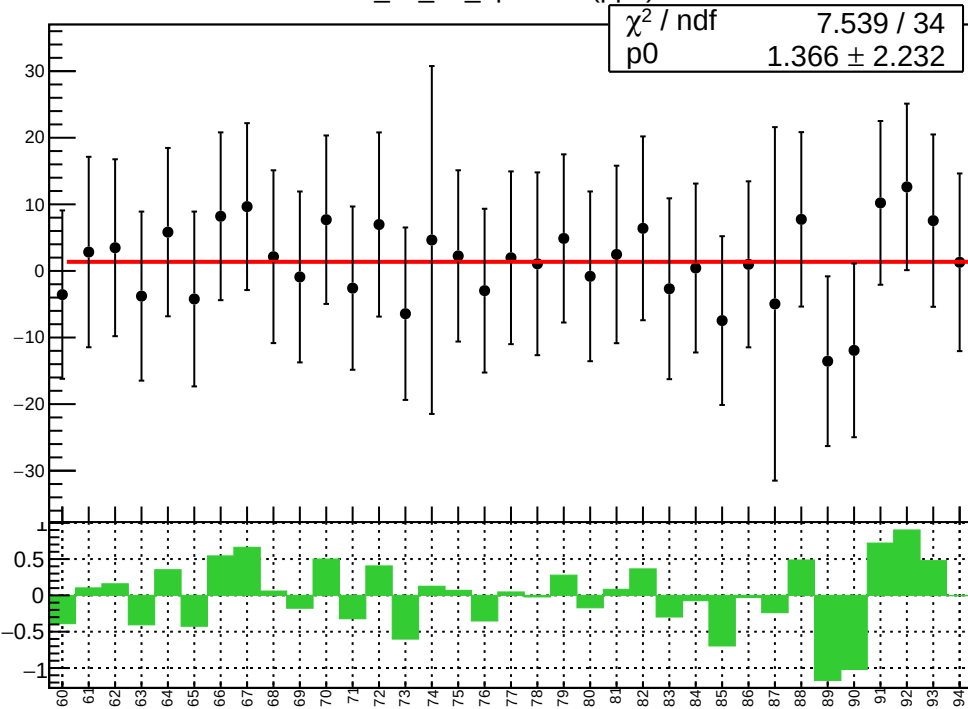
1D pull distribution



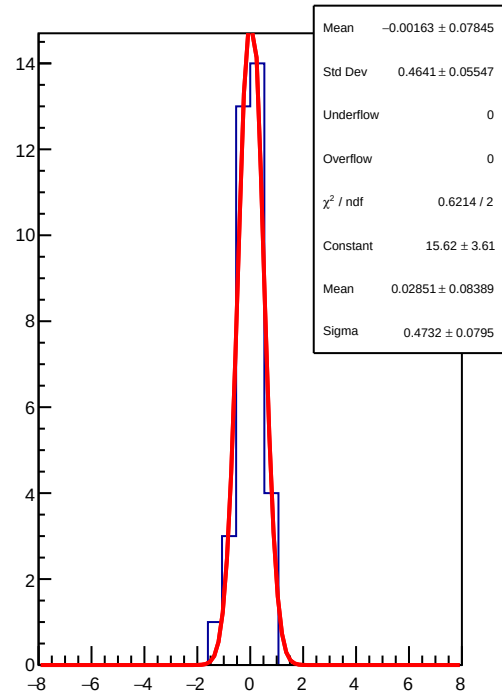
corr_us_dd_bpm11X RMS (ppm)



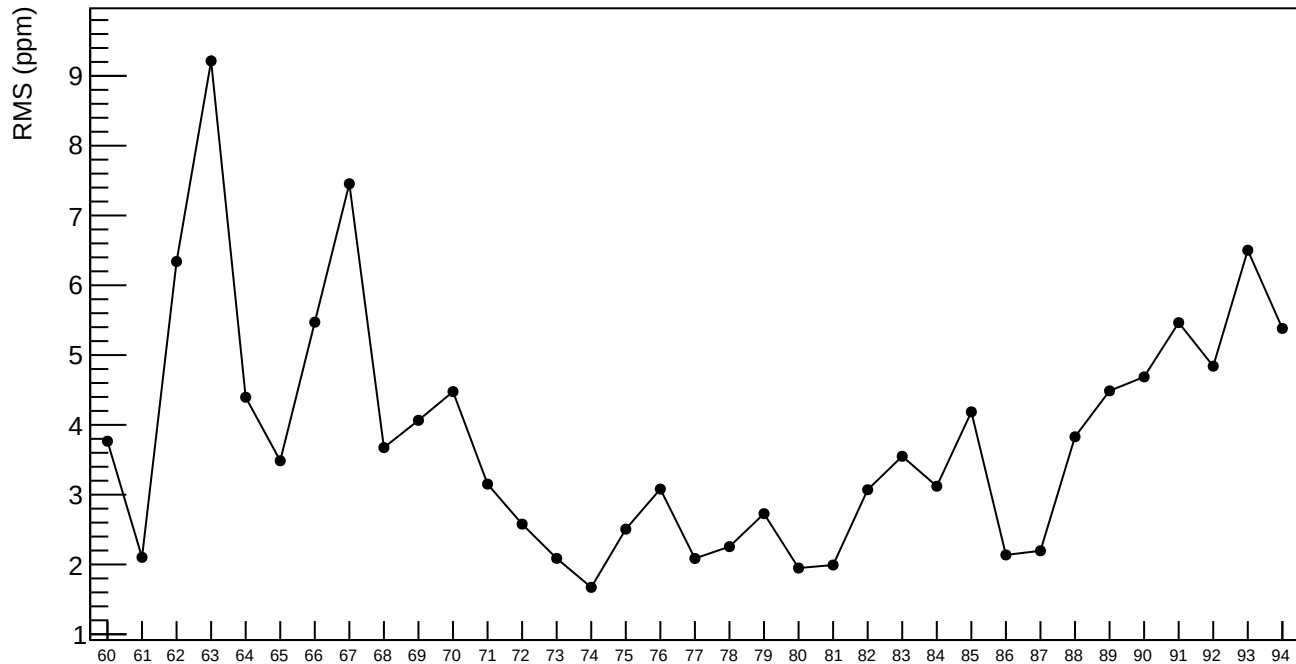
corr_us_dd_bpm11Y (ppb)



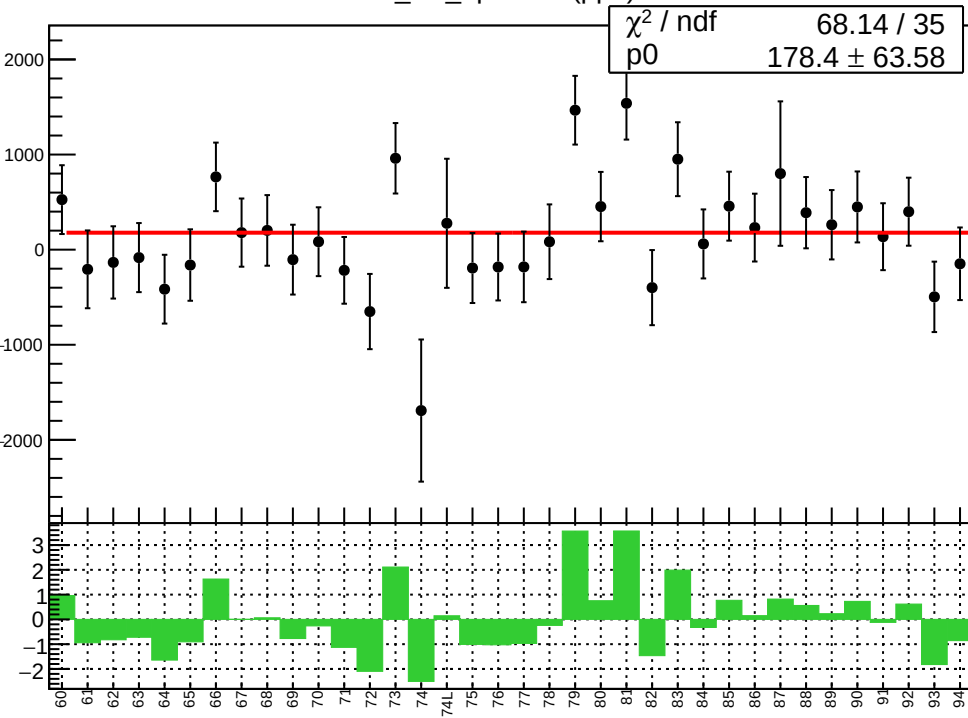
1D pull distribution



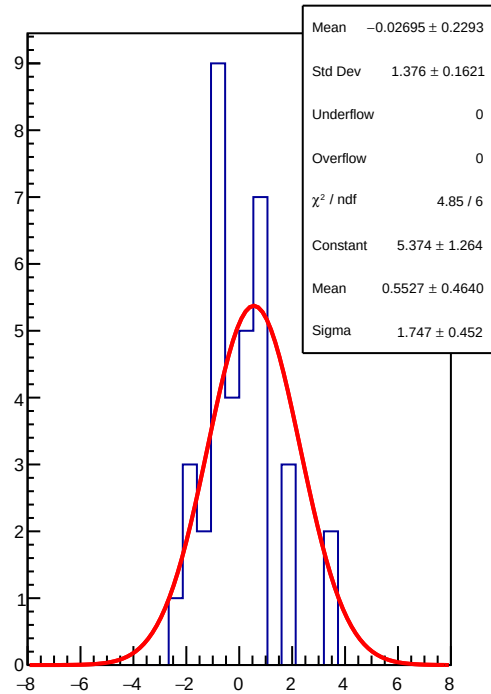
corr_us_dd_bpm11Y RMS (ppm)



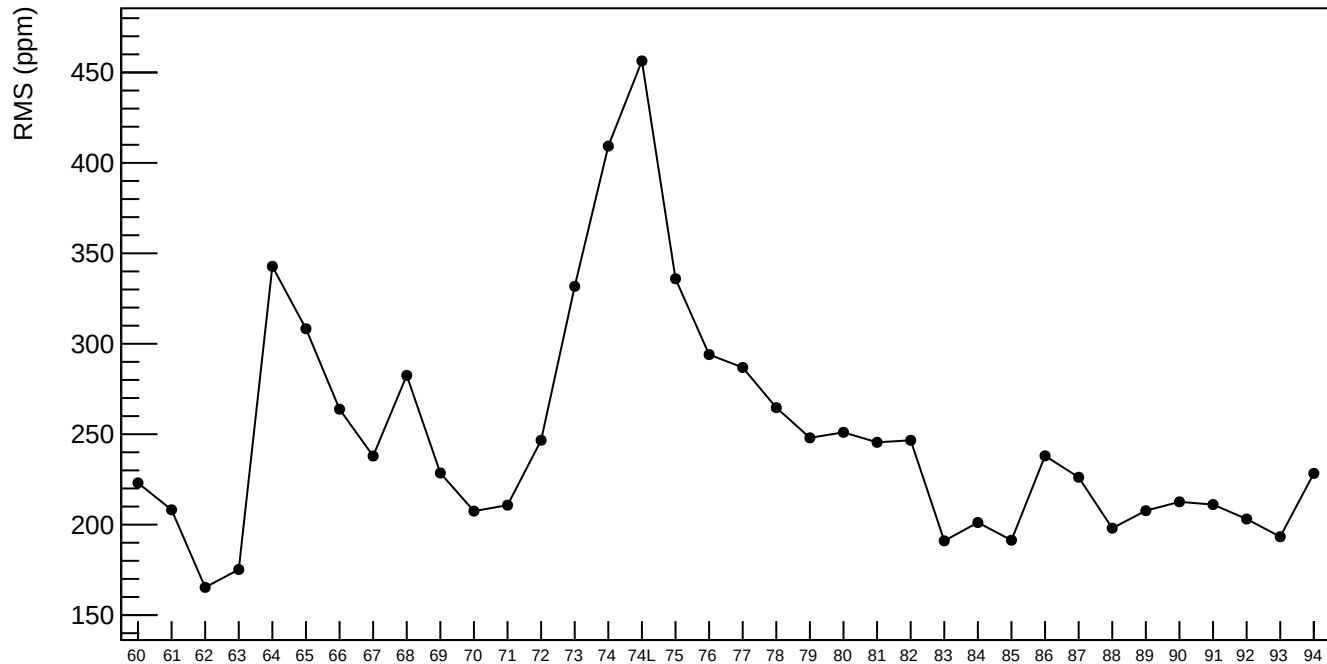
corr_usl_bpm4eX (ppb)



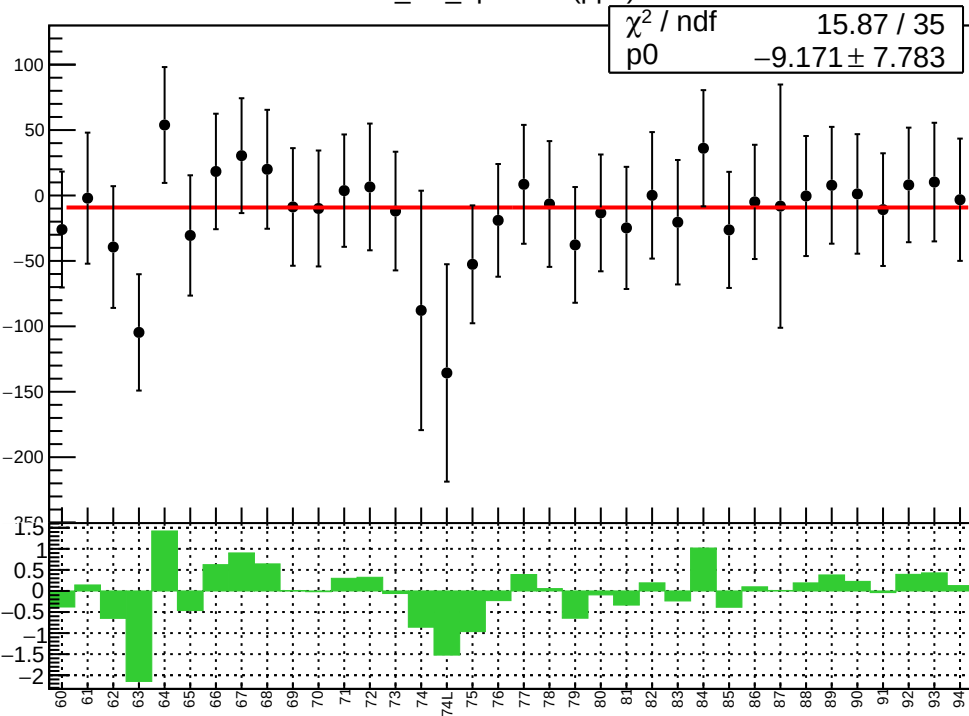
1D pull distribution



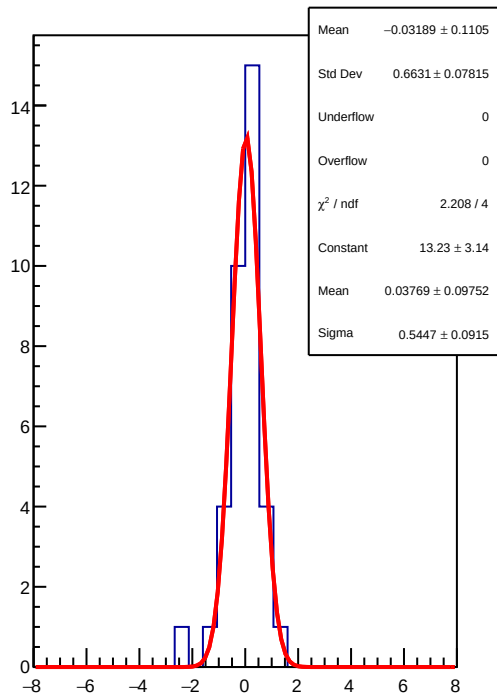
corr_usl_bpm4eX RMS (ppm)



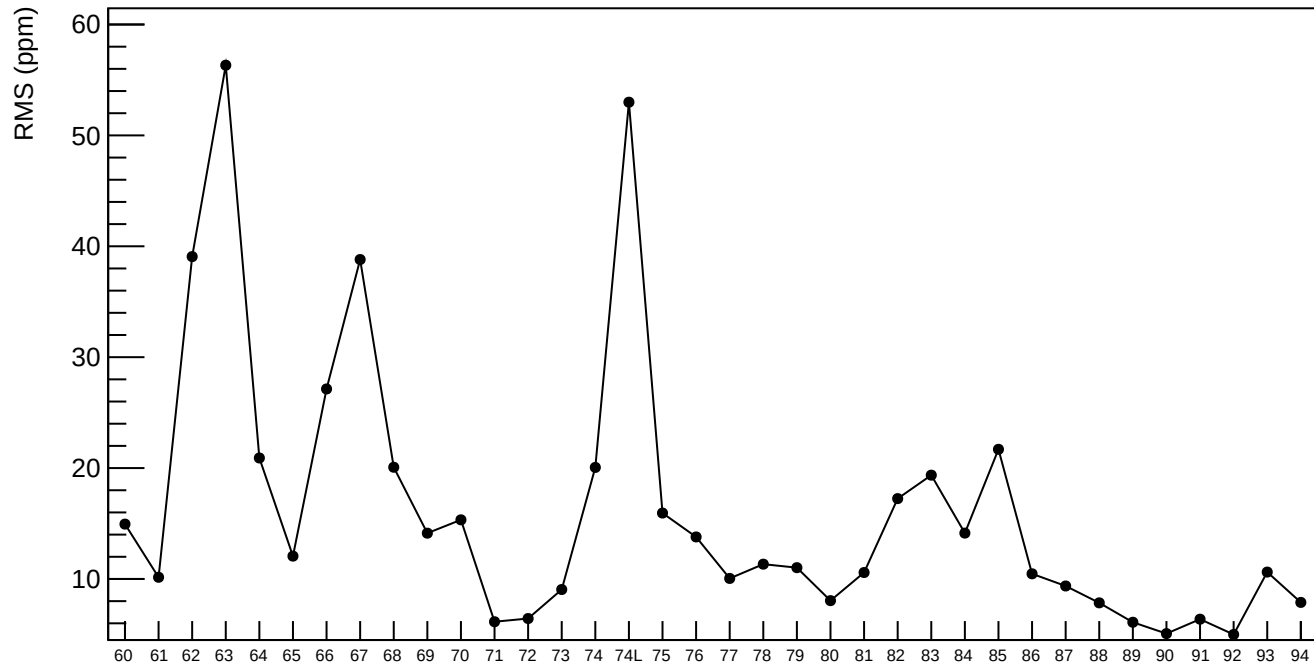
corr_usl_bpm4eY (ppb)



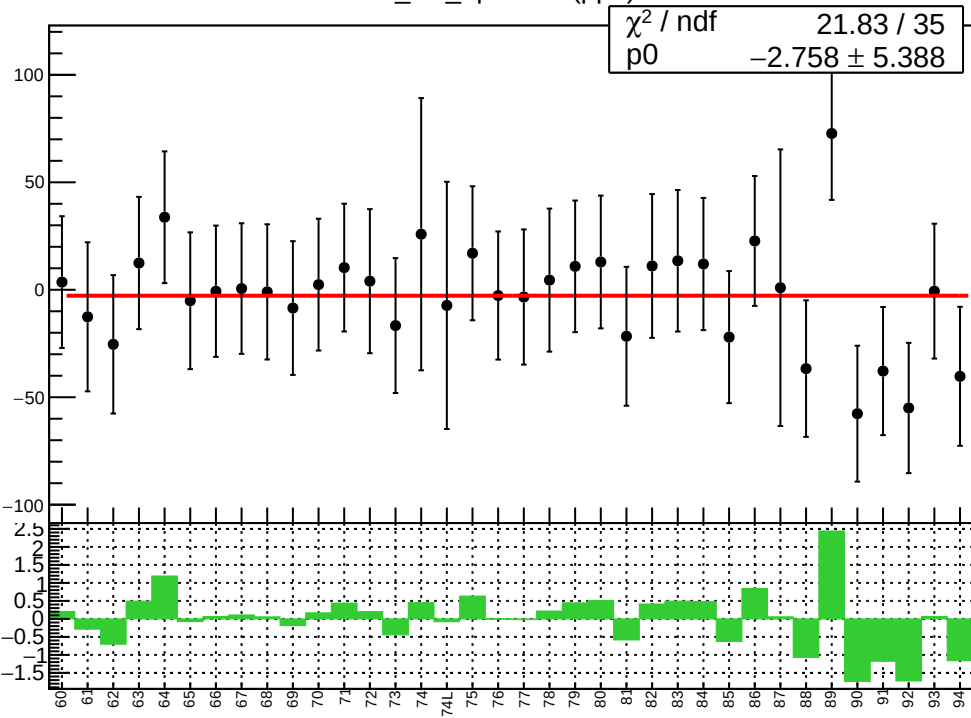
1D pull distribution



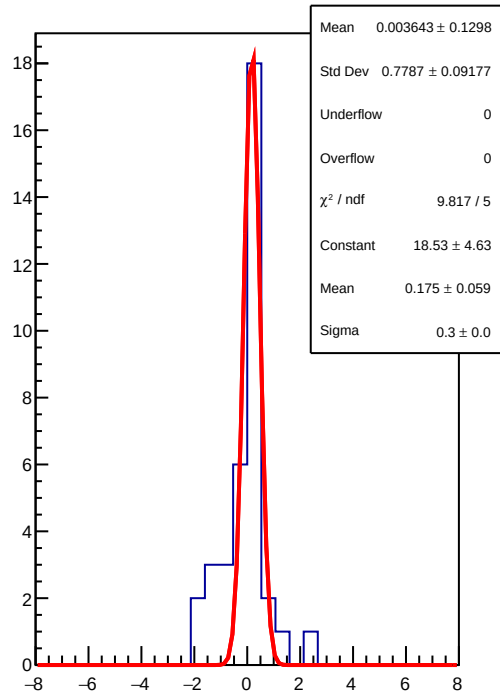
corr_usl_bpm4eY RMS (ppm)



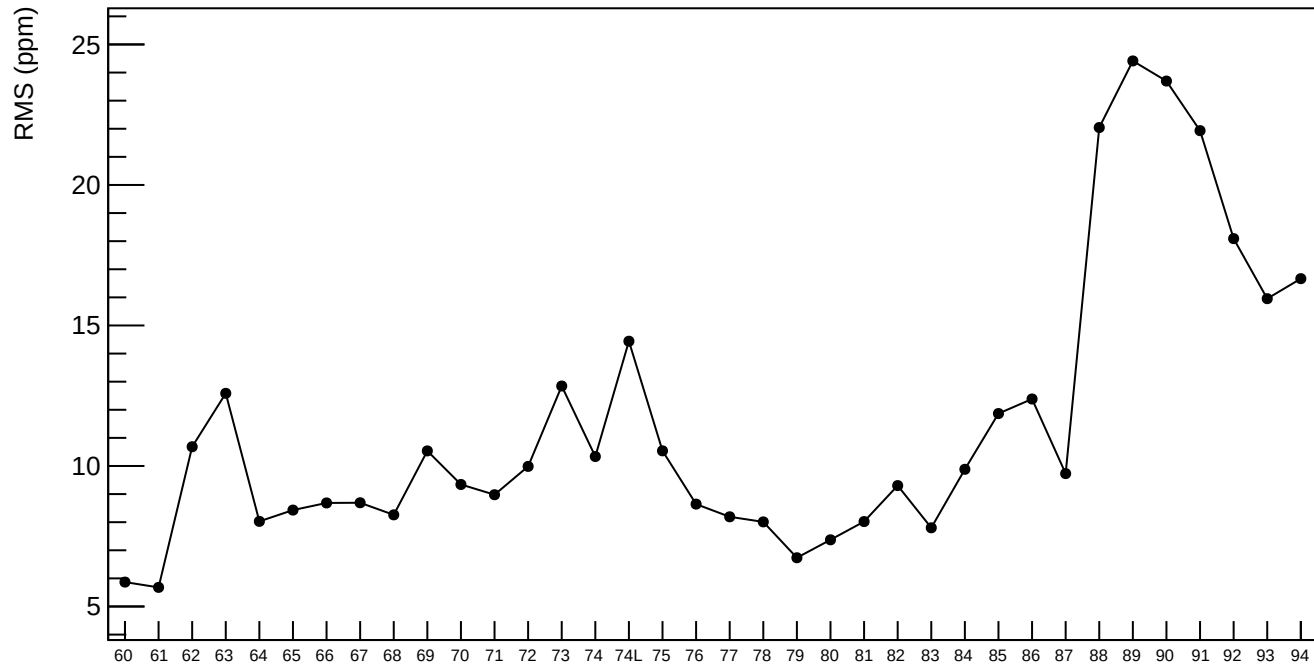
corr_usl_bpm4aX (ppb)



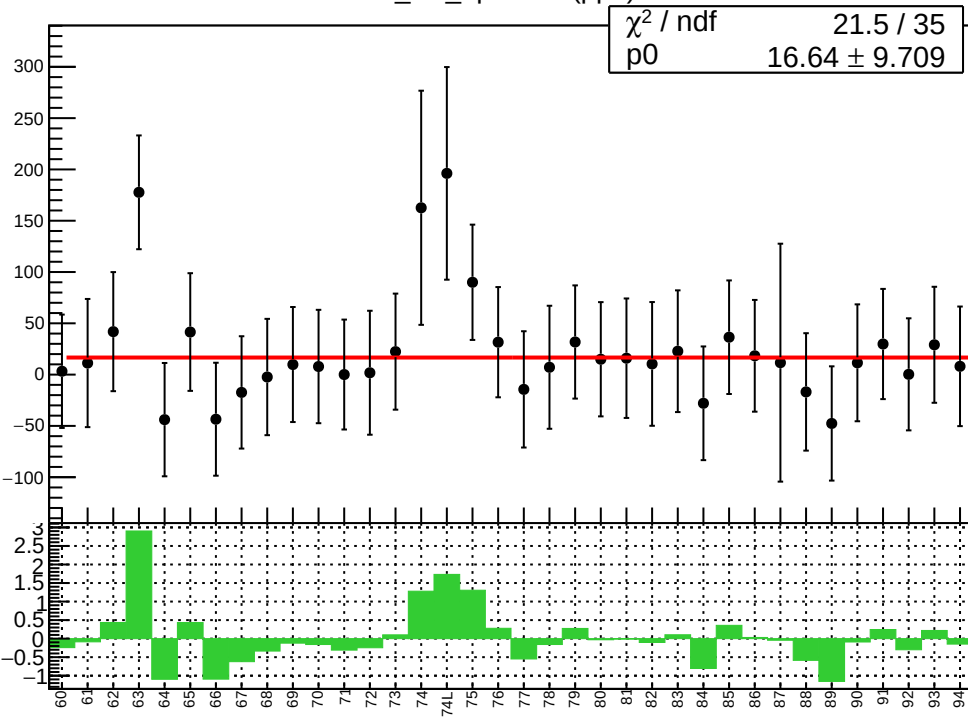
1D pull distribution



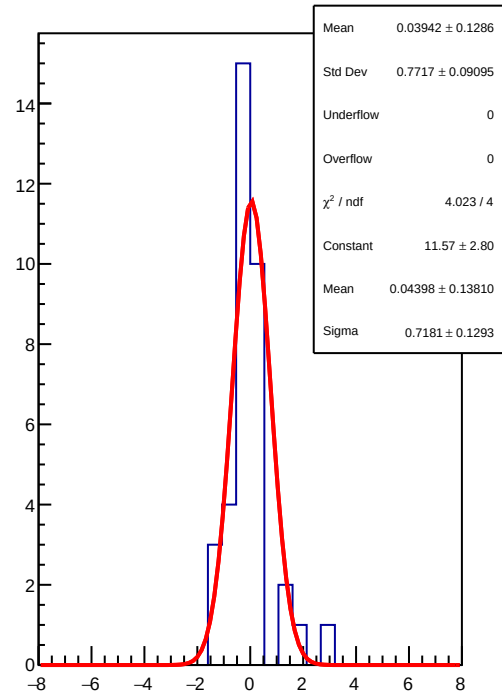
corr_usl_bpm4aX RMS (ppm)



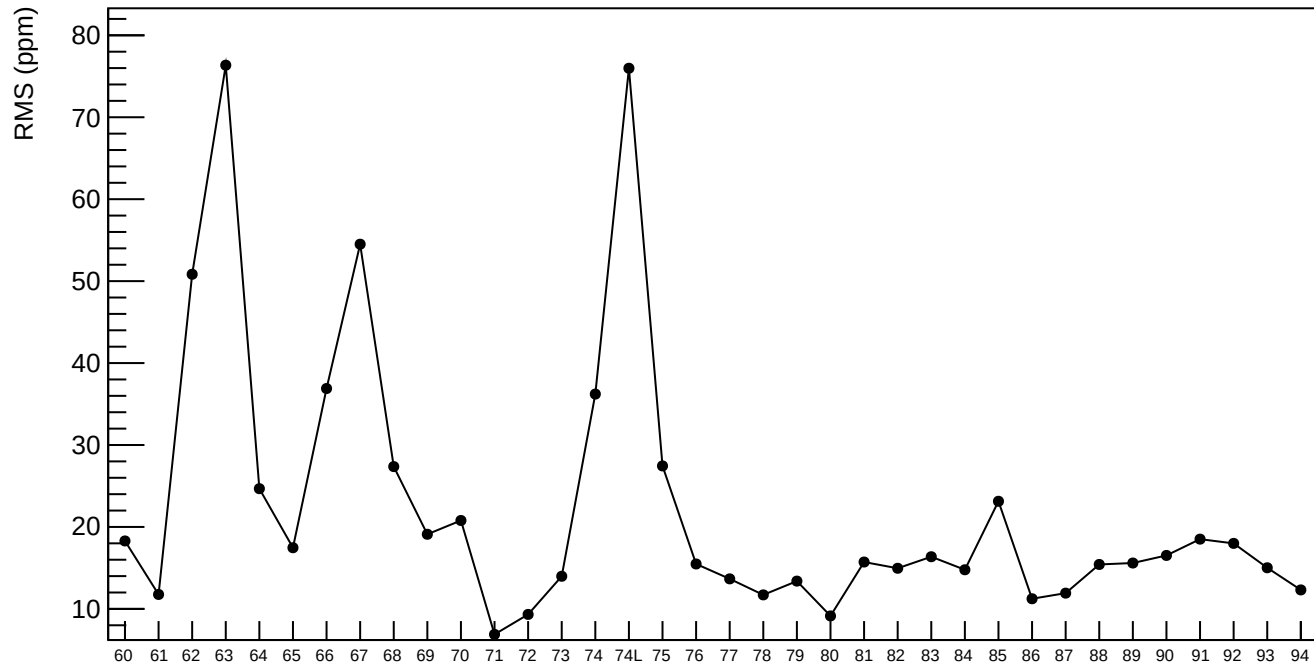
corr_usl_bpm4aY (ppb)



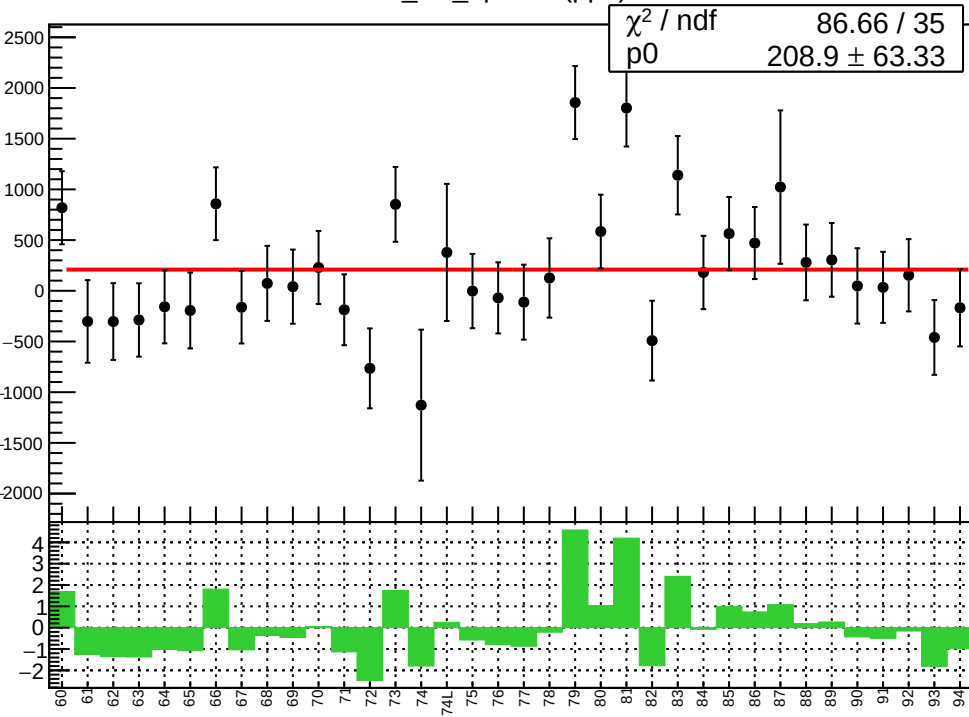
1D pull distribution



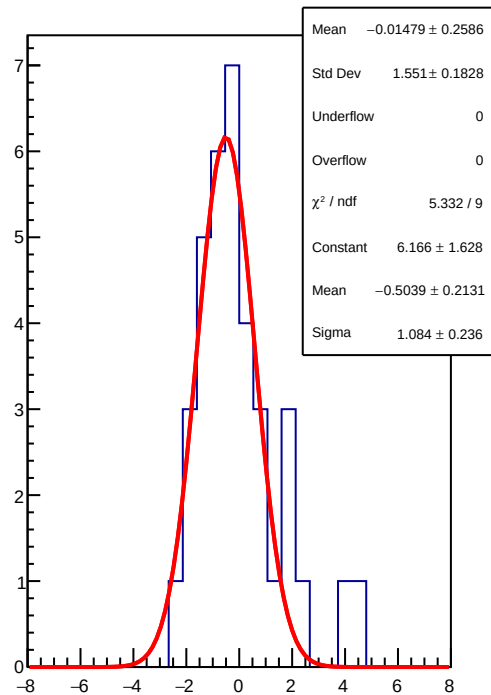
corr_usl_bpm4aY RMS (ppm)



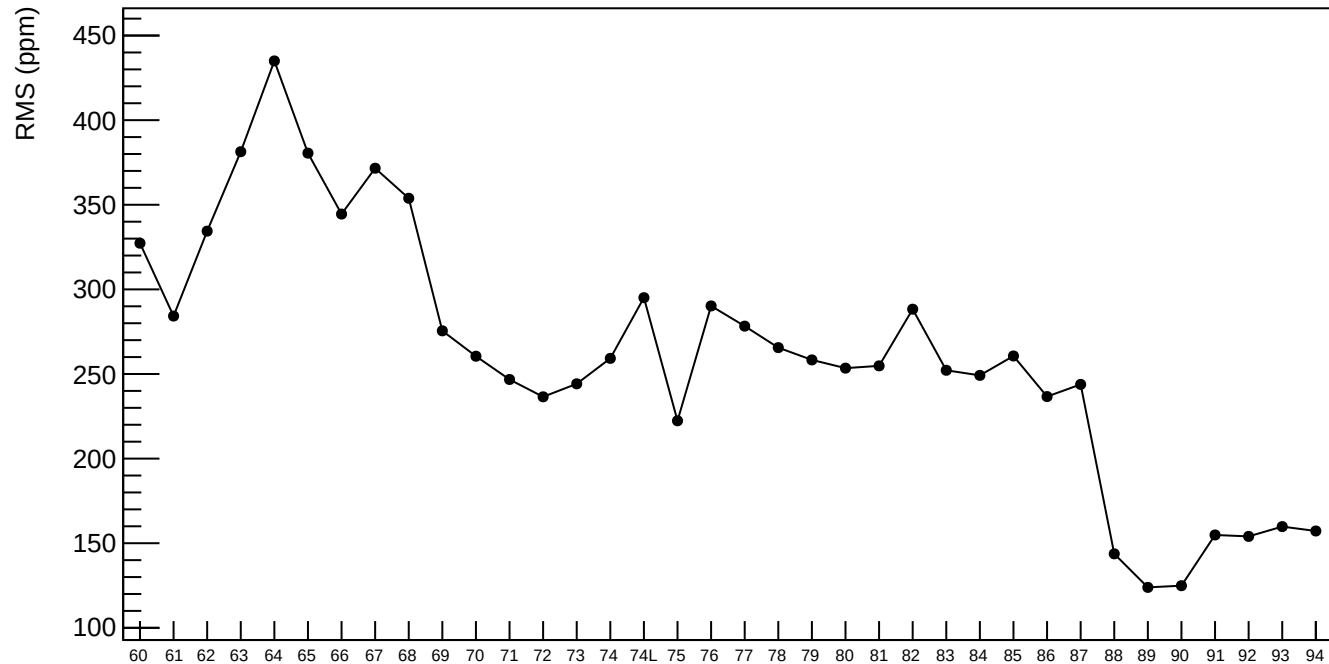
corr_usl_bpm1X (ppb)



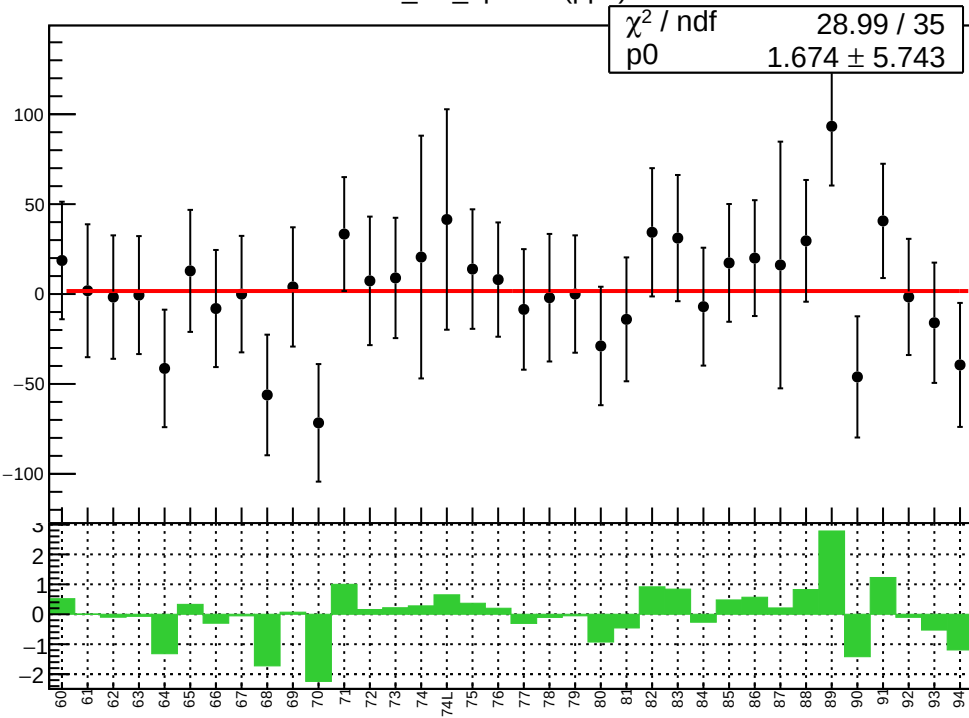
1D pull distribution



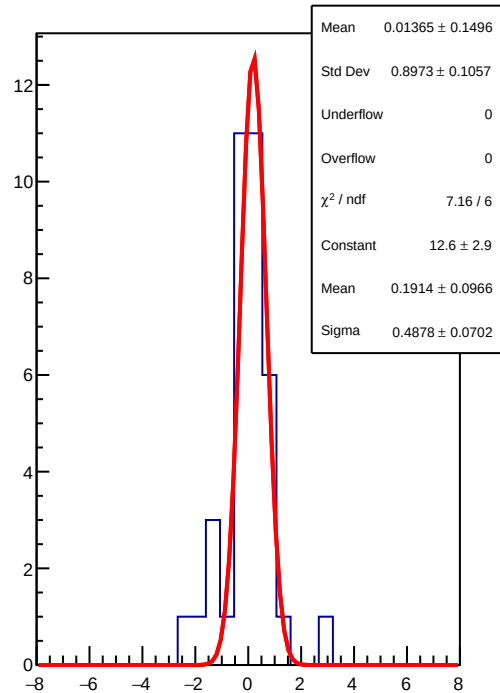
corr_usl_bpm1X RMS (ppm)



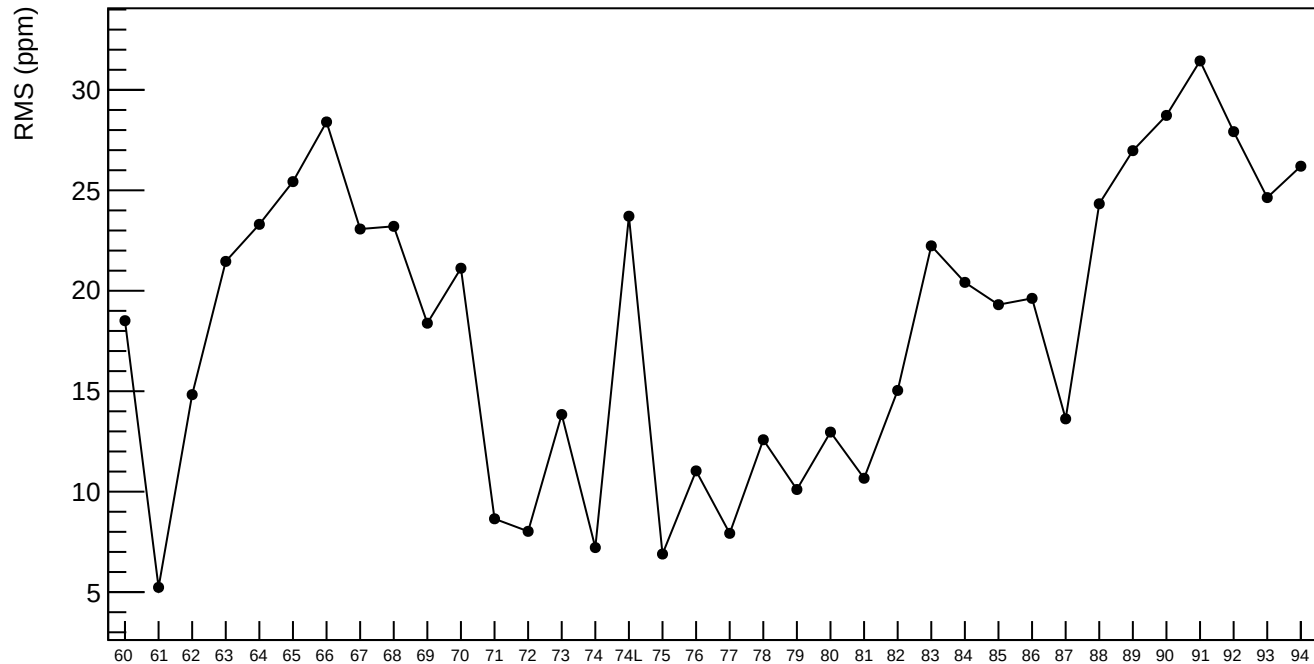
corr_usl_bpm1Y (ppb)



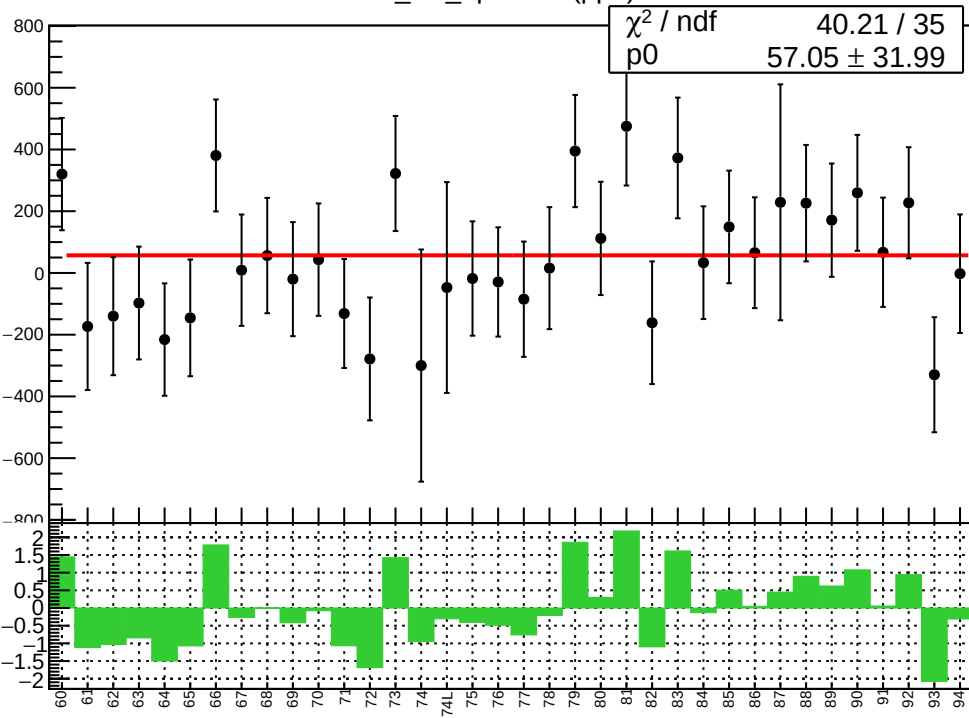
1D pull distribution



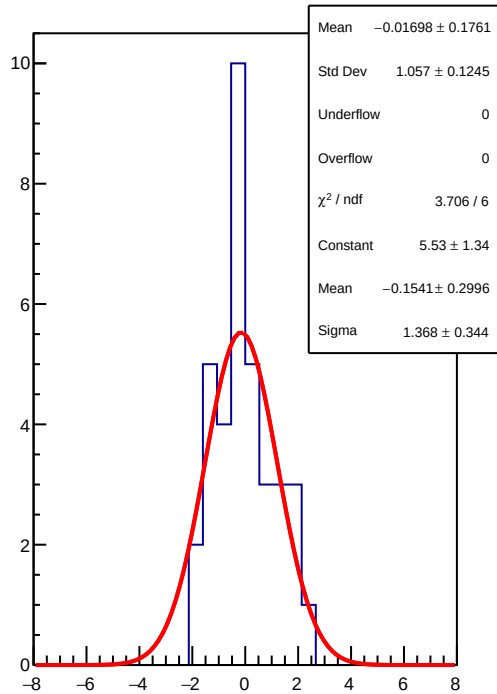
corr_usl_bpm1Y RMS (ppm)



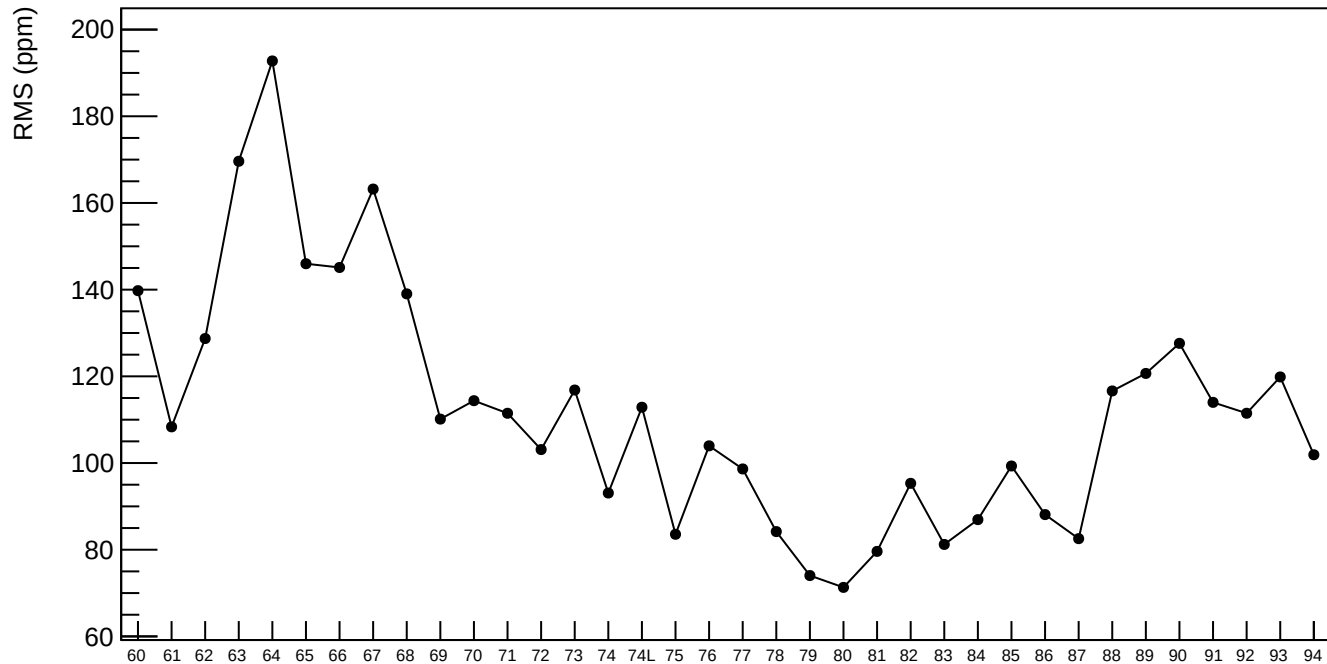
corr_usl_bpm16X (ppb)



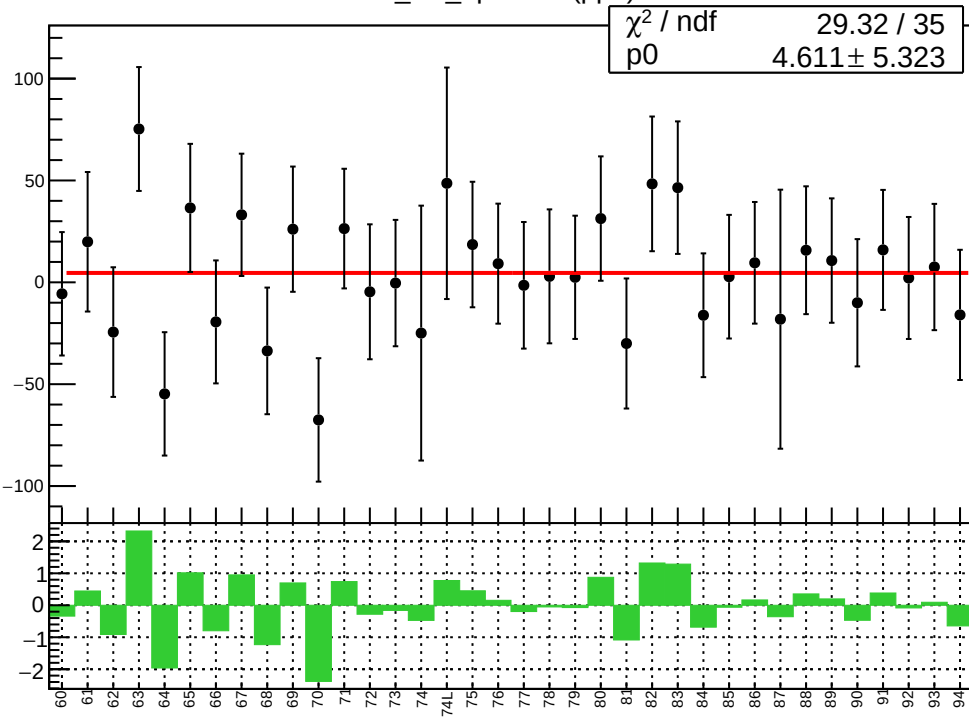
1D pull distribution



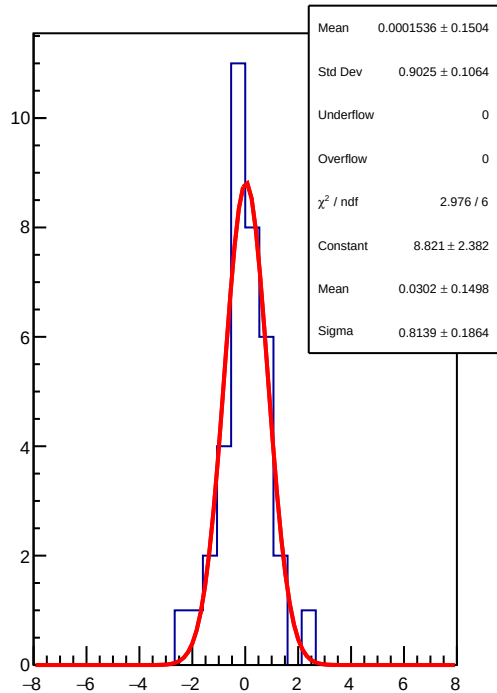
corr_usl_bpm16X RMS (ppm)



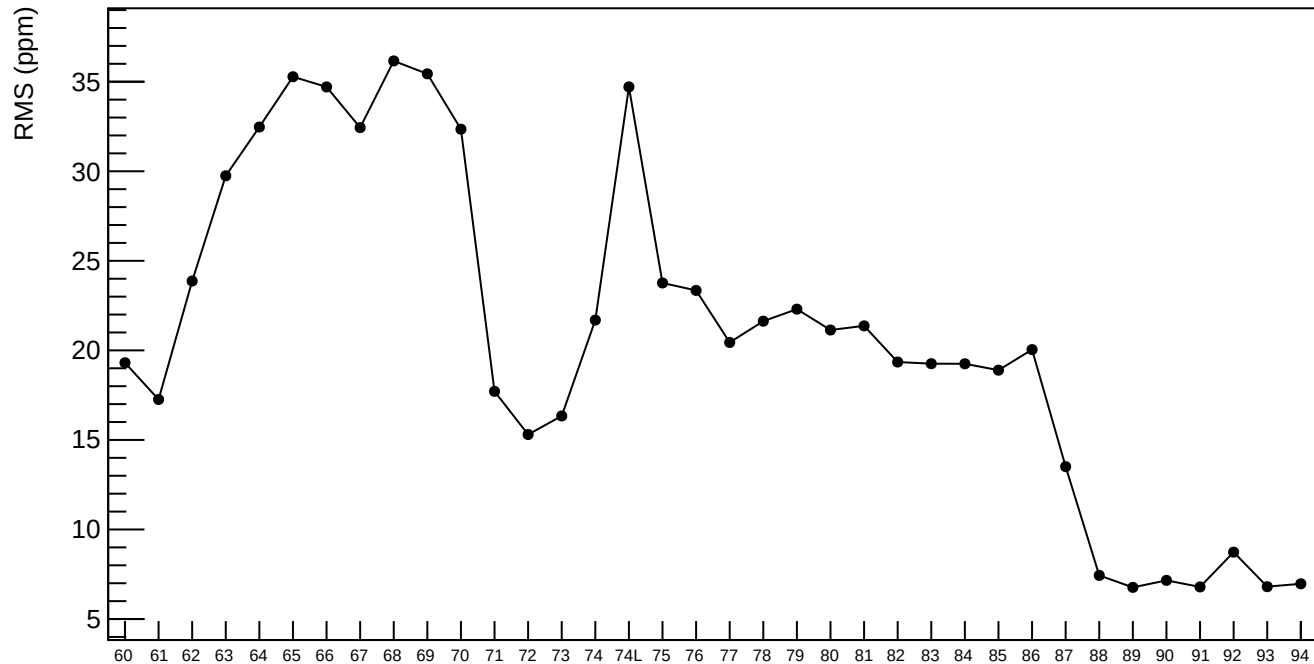
corr_usl_bpm16Y (ppb)



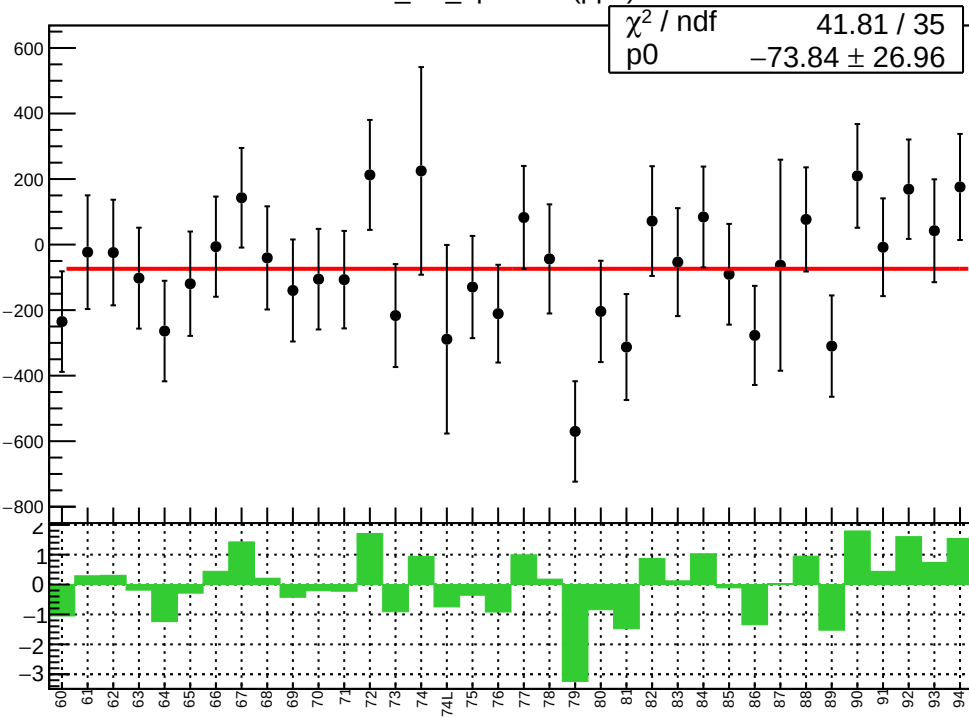
1D pull distribution



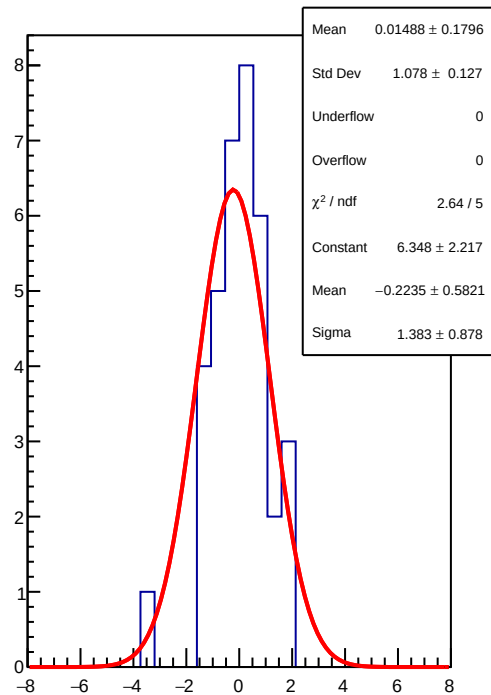
corr_usl_bpm16Y RMS (ppm)



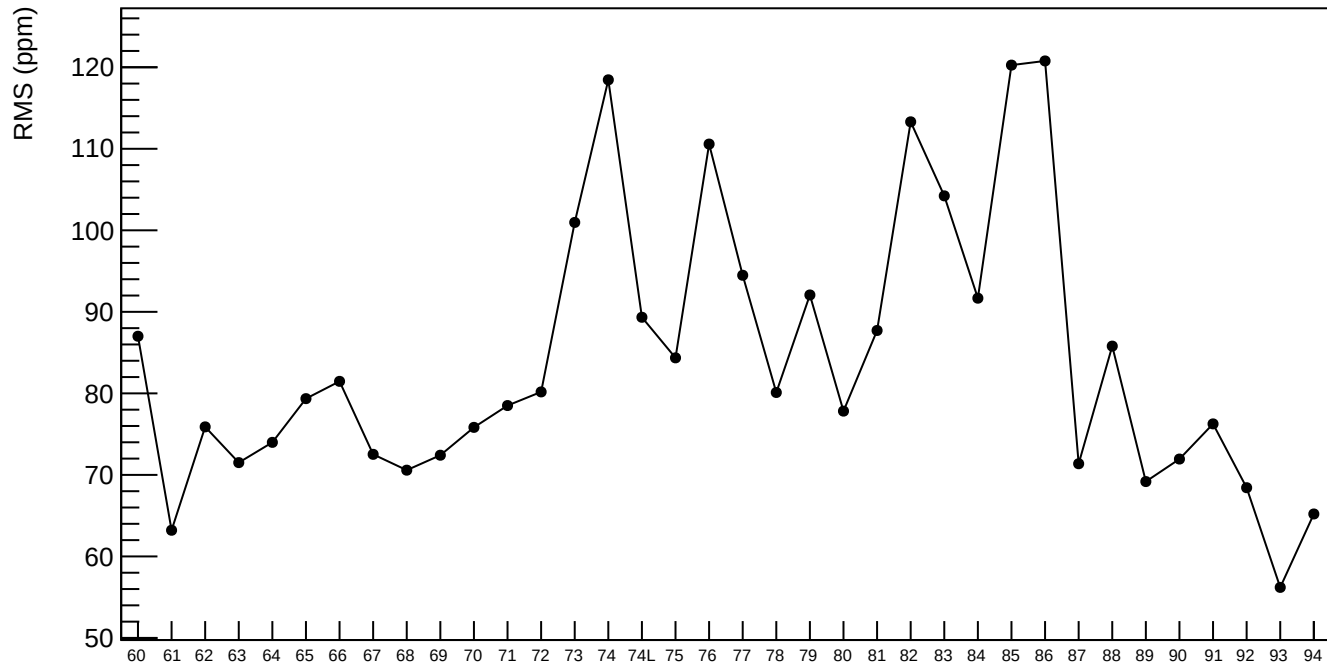
corr_usl_bpm12X (ppb)



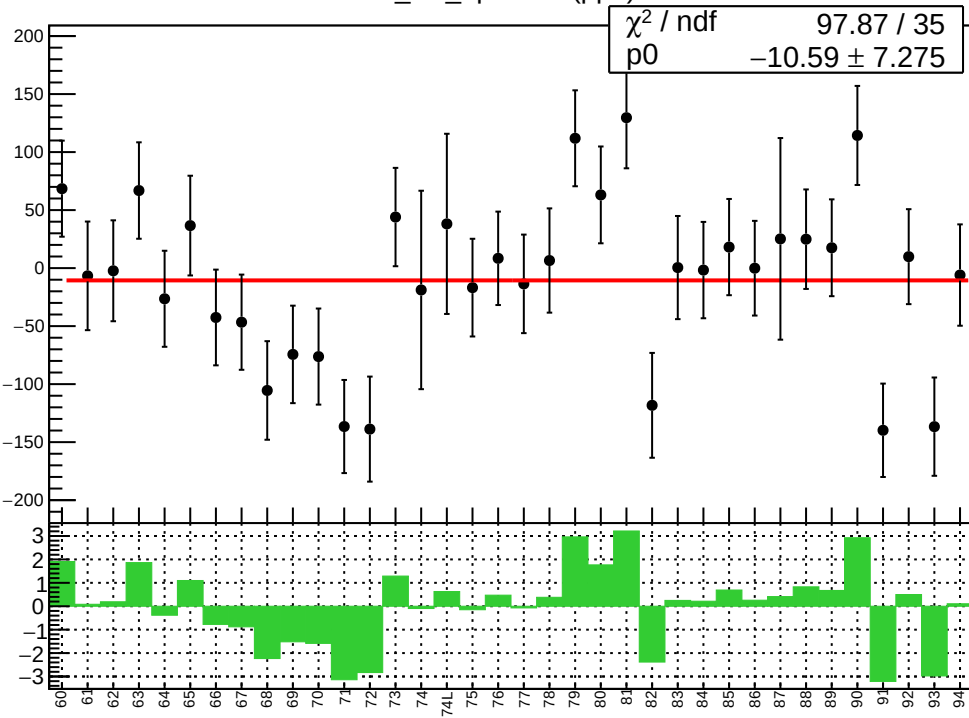
1D pull distribution



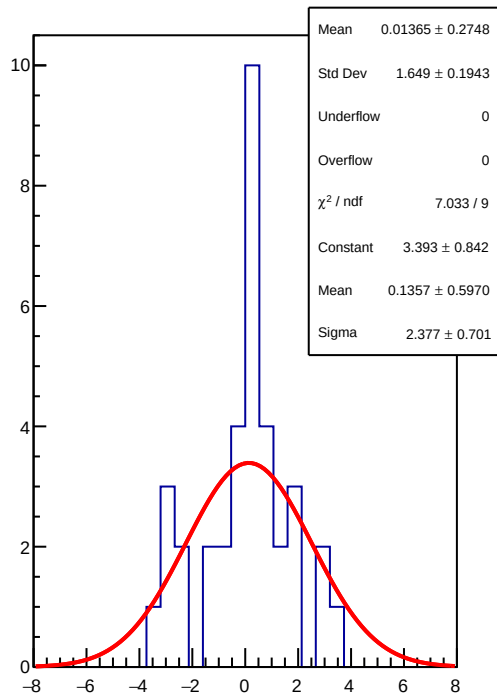
corr_usl_bpm12X RMS (ppm)



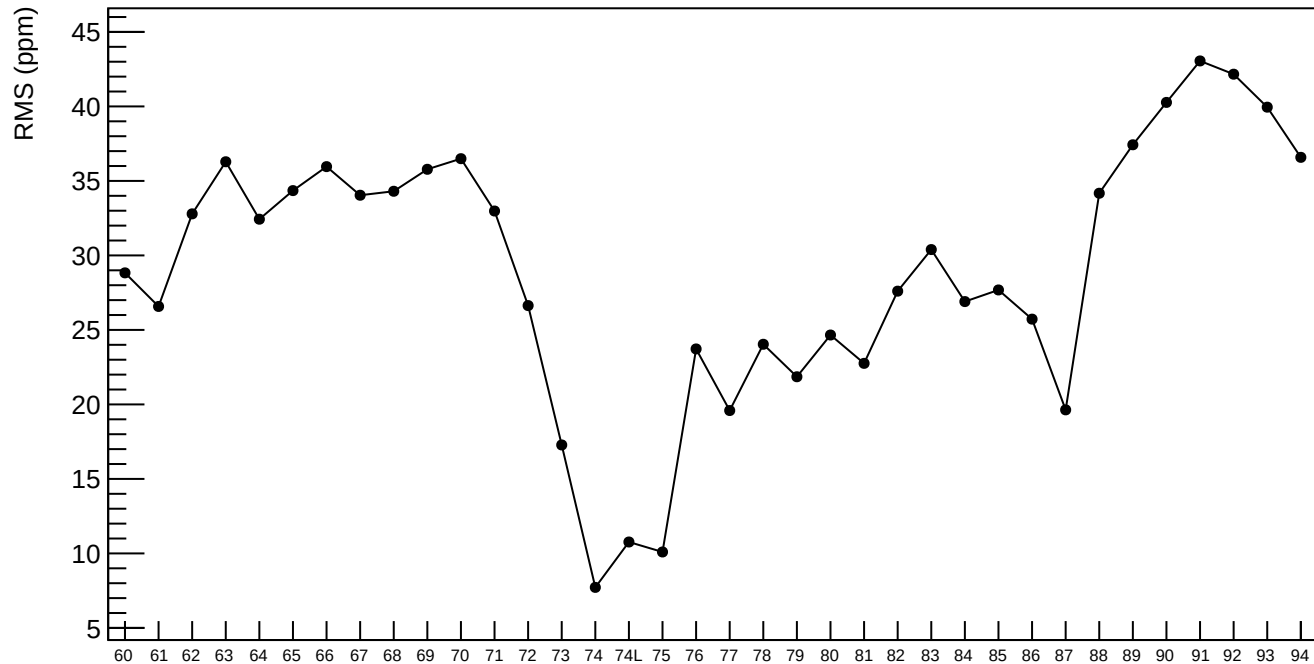
corr_usl_bpm12Y (ppb)



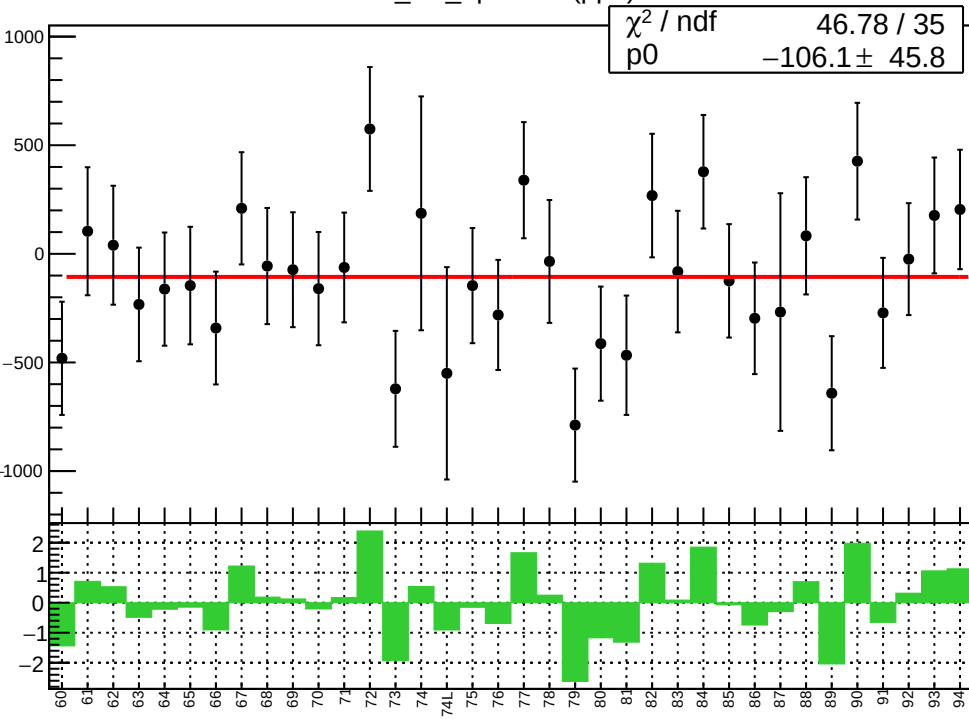
1D pull distribution



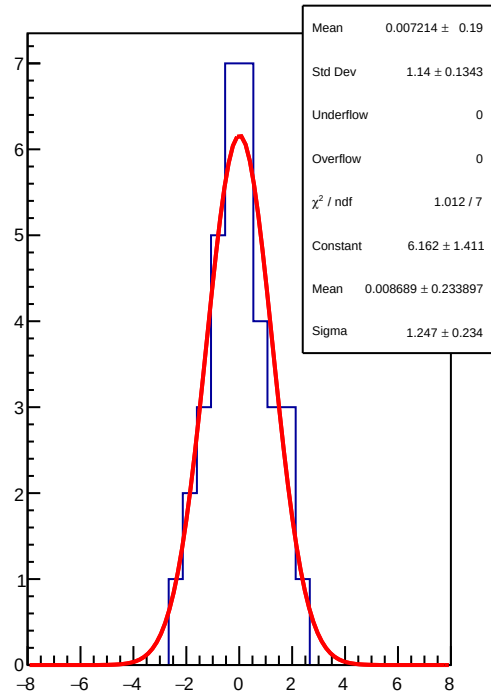
corr_usl_bpm12Y RMS (ppm)



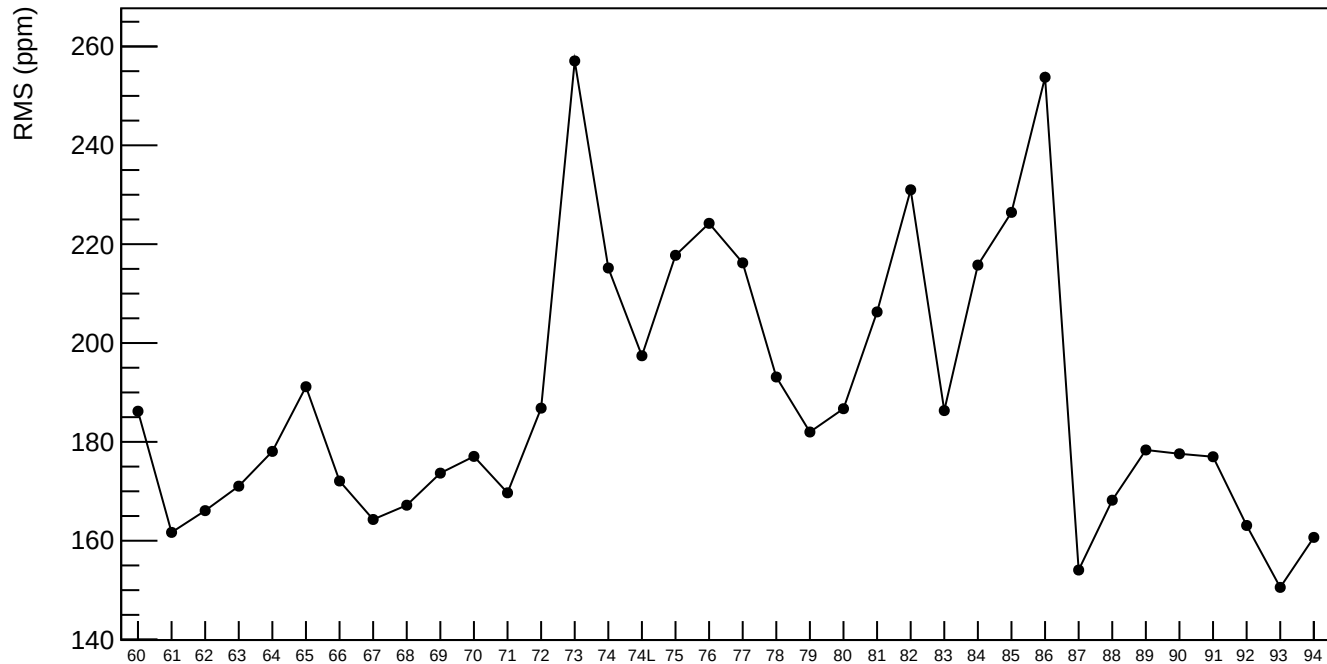
corr_usl_bpm11X (ppb)



1D pull distribution



corr_usl_bpm11X RMS (ppm)

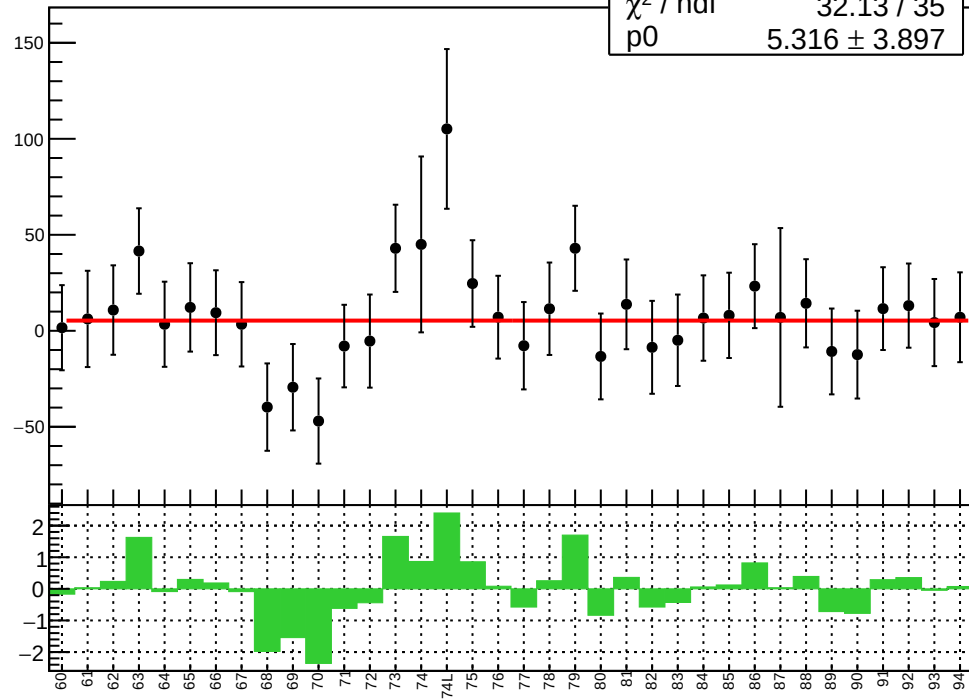


corr_usl_bpm11Y (ppb)

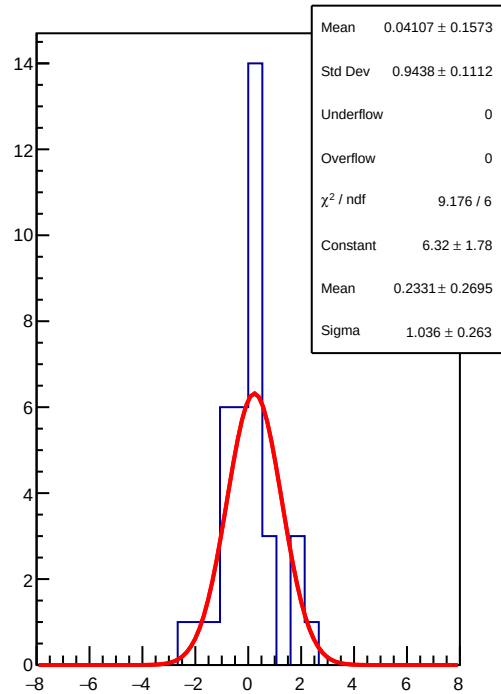
 χ^2 / ndf

32.13 / 35

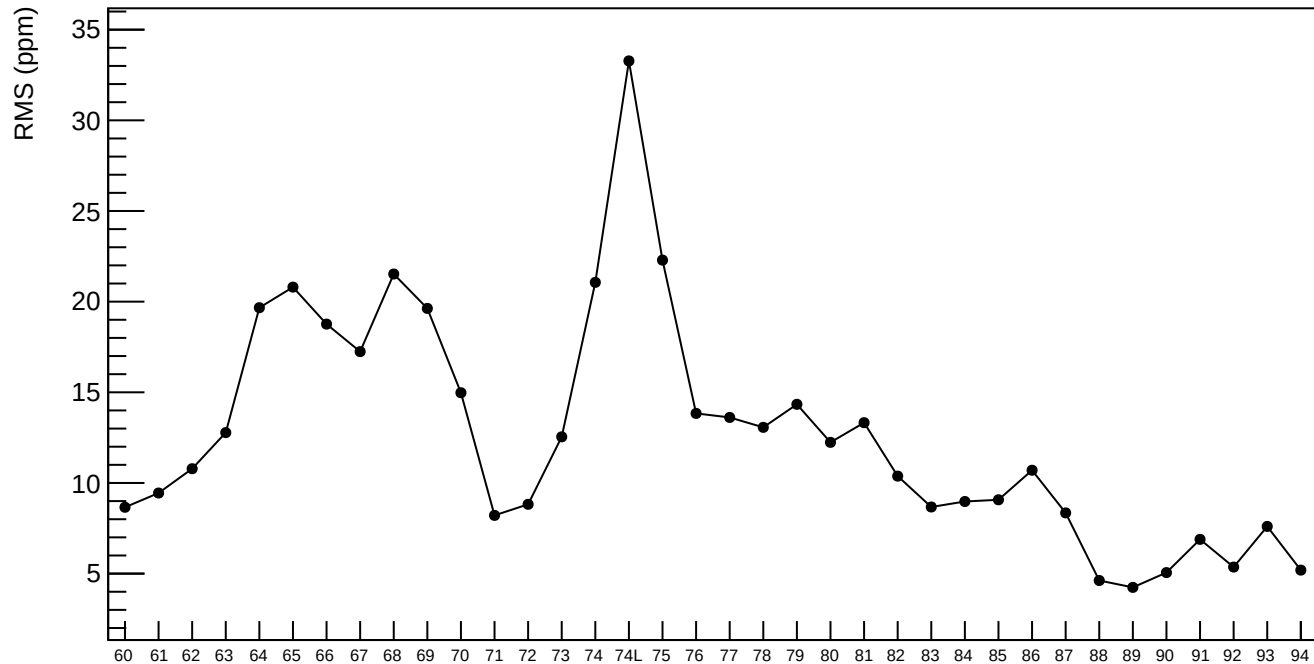
p0

 5.316 ± 3.897 

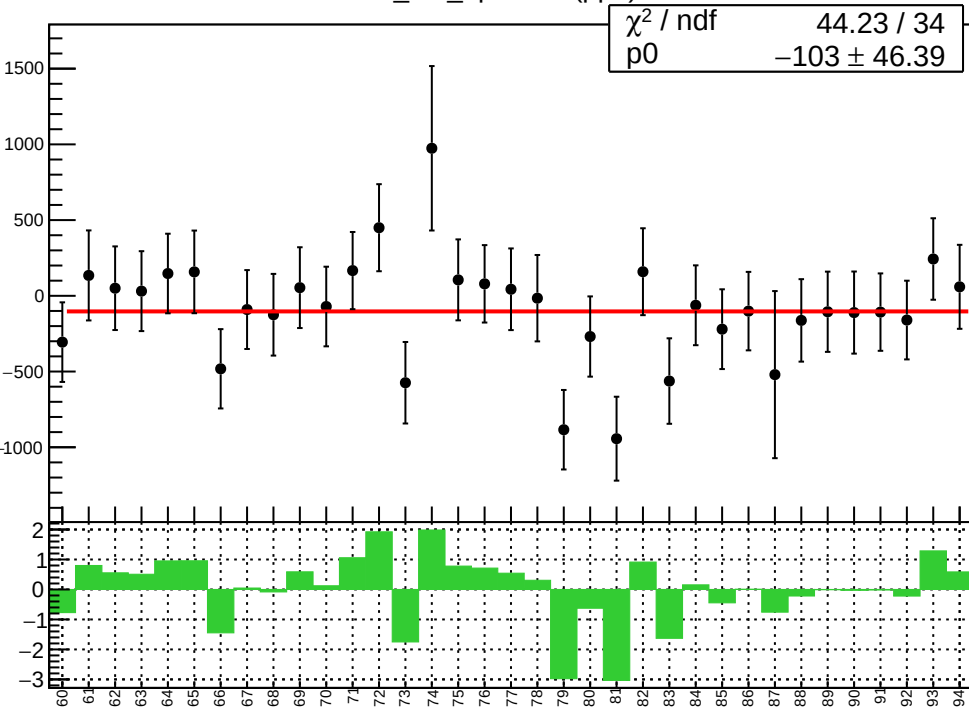
1D pull distribution



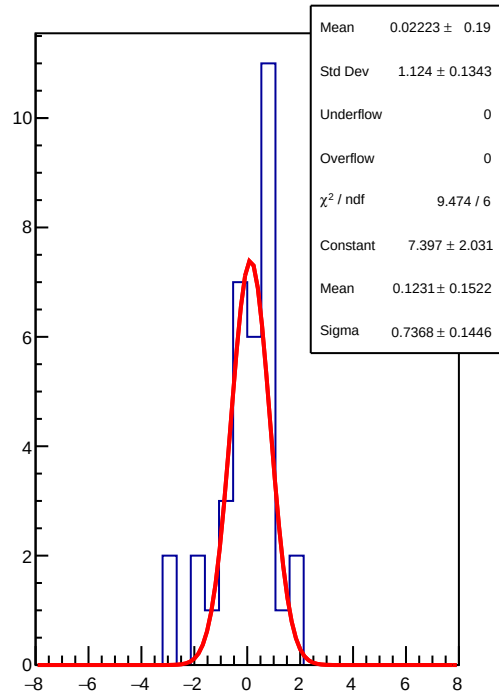
corr_usl_bpm11Y RMS (ppm)



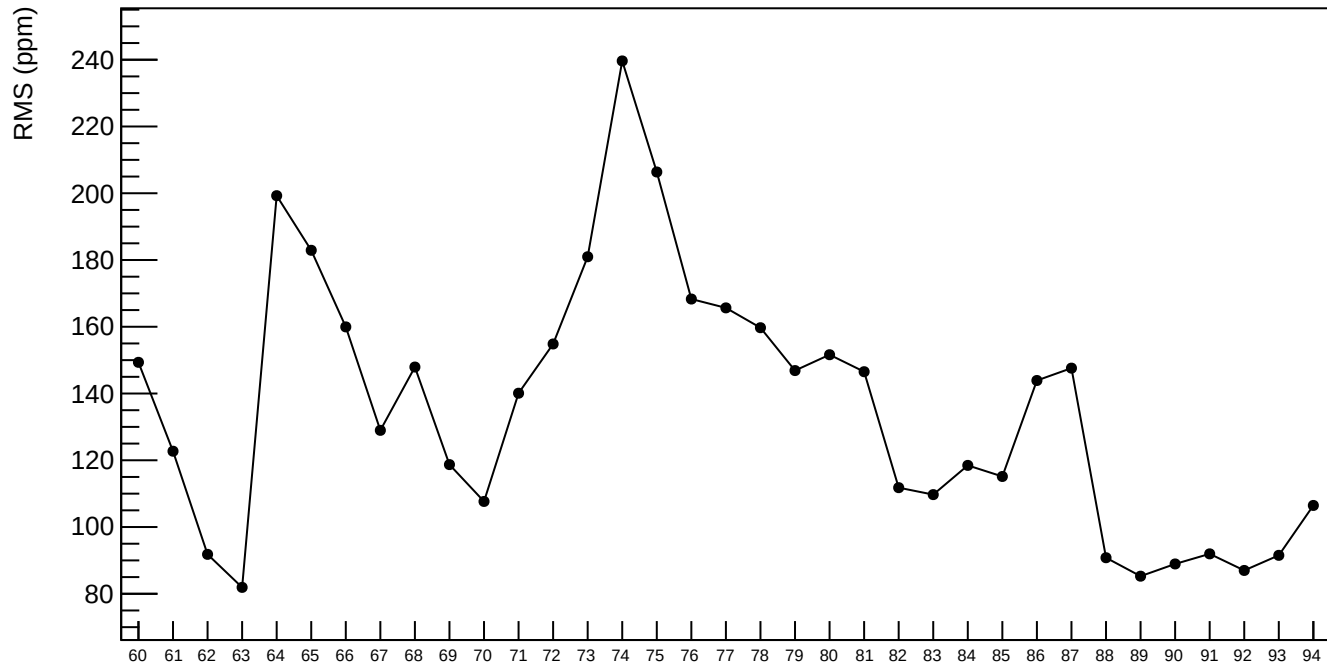
corr_usr_bpm4eX (ppb)



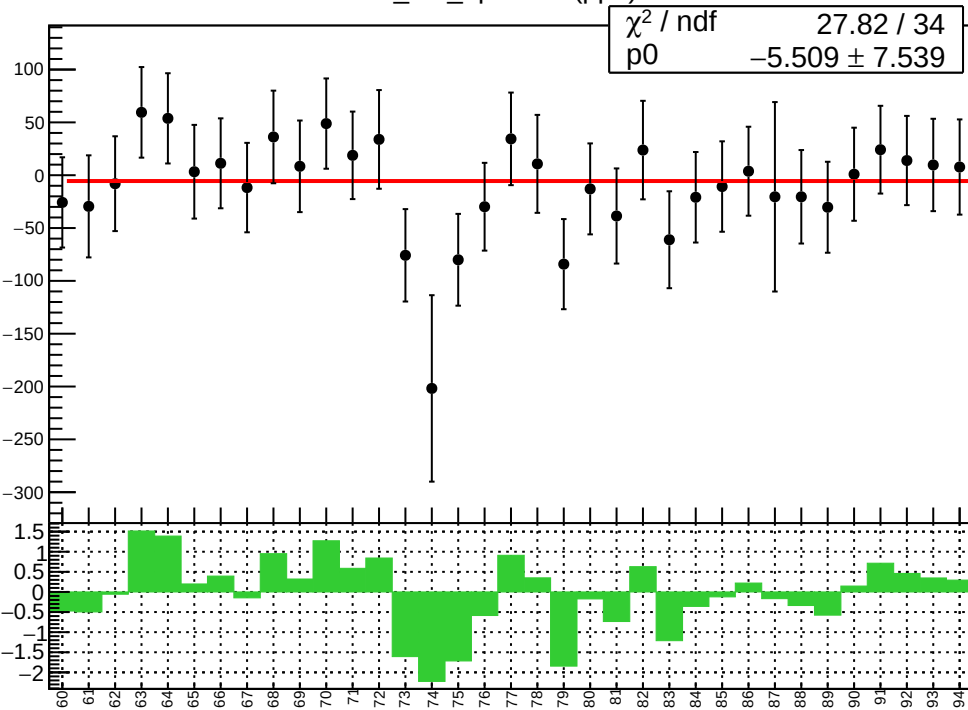
1D pull distribution



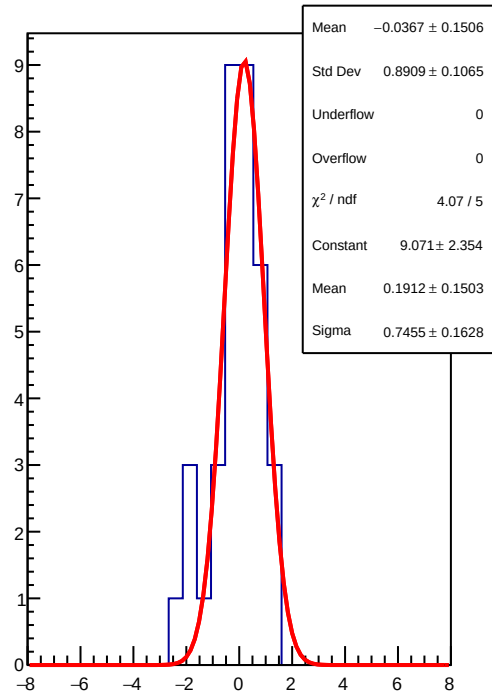
corr_usr_bpm4eX RMS (ppm)



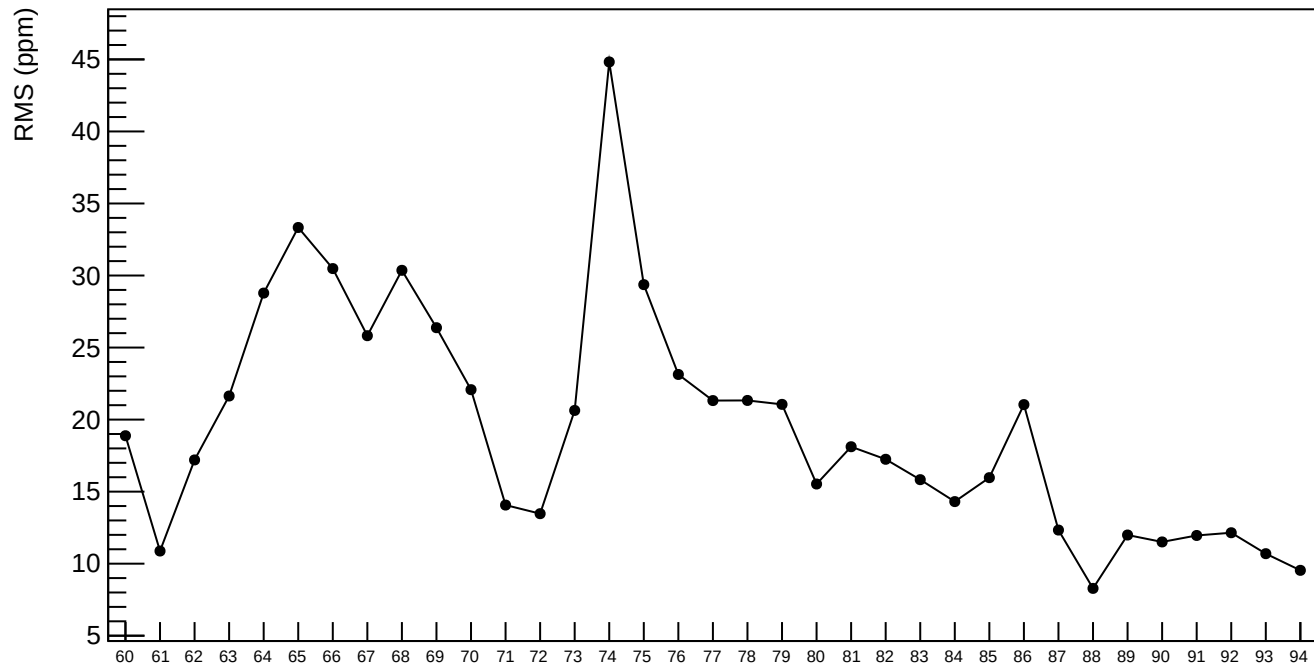
corr_usr_bpm4eY (ppb)



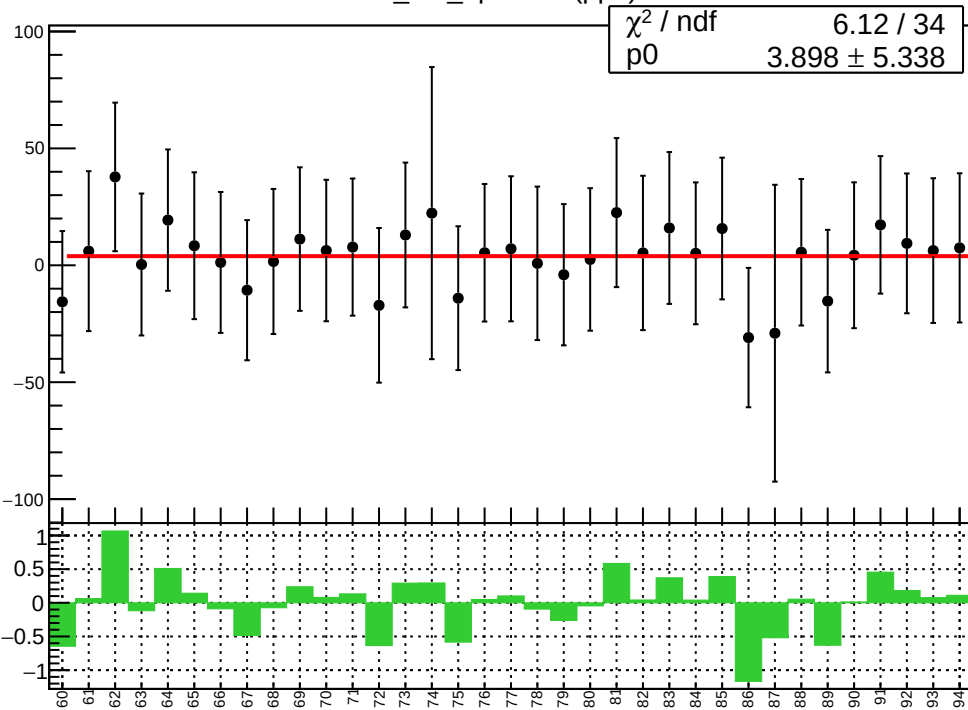
1D pull distribution



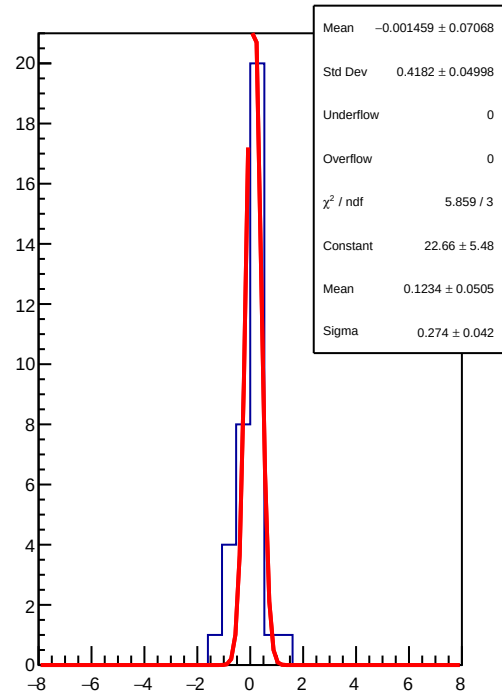
corr_usr_bpm4eY RMS (ppm)



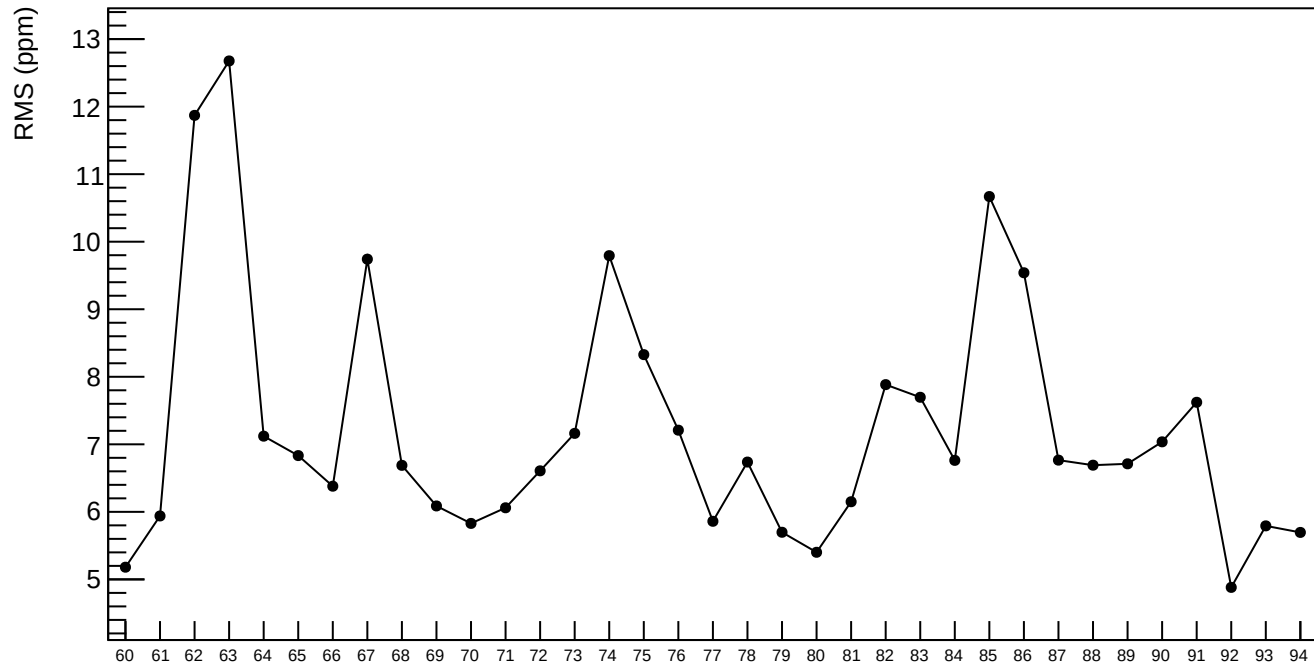
corr_usr_bpm4aX (ppb)



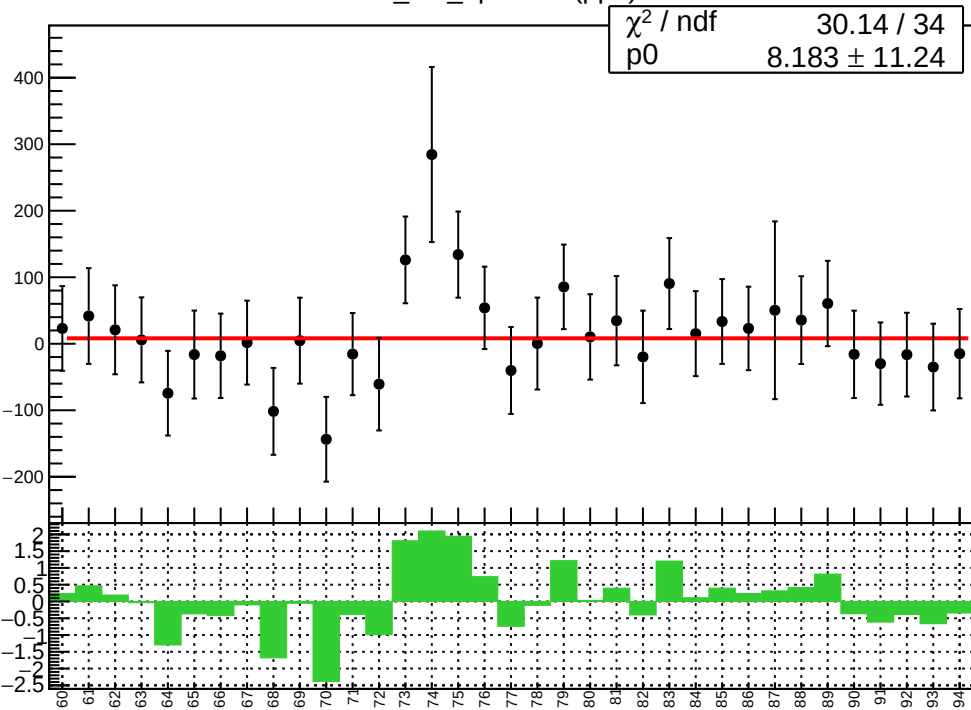
1D pull distribution



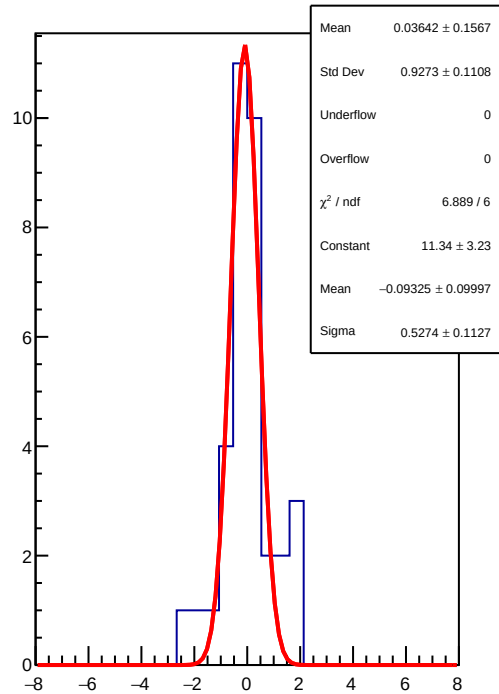
corr_usr_bpm4aX RMS (ppm)



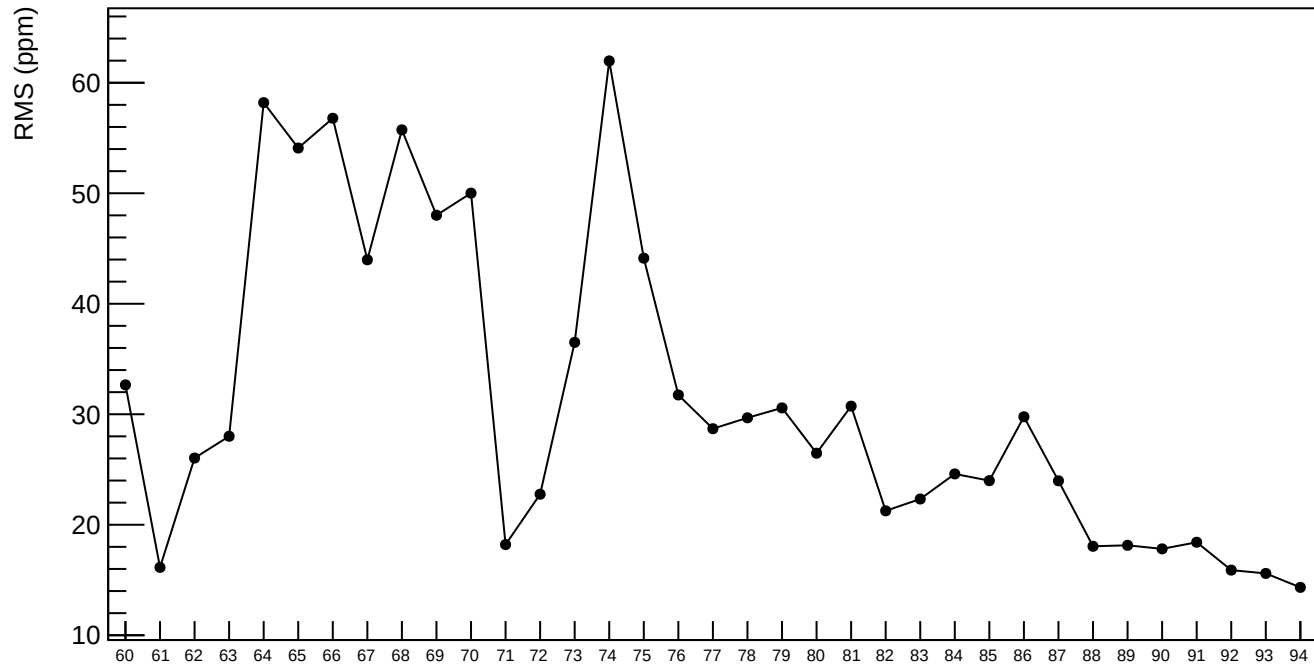
corr_usr_bpm4aY (ppb)



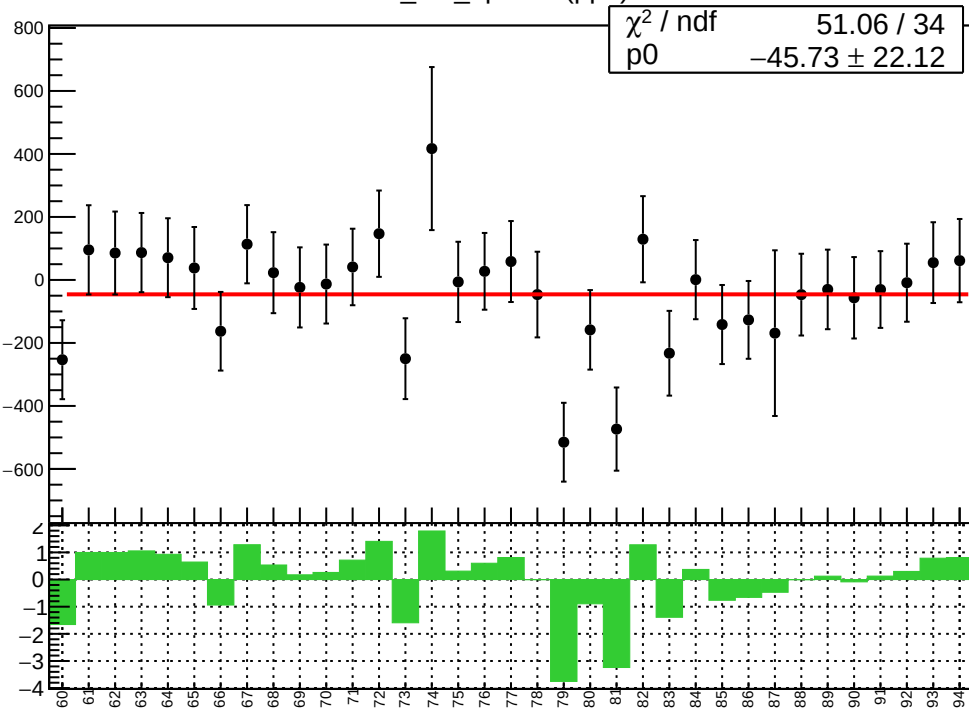
1D pull distribution



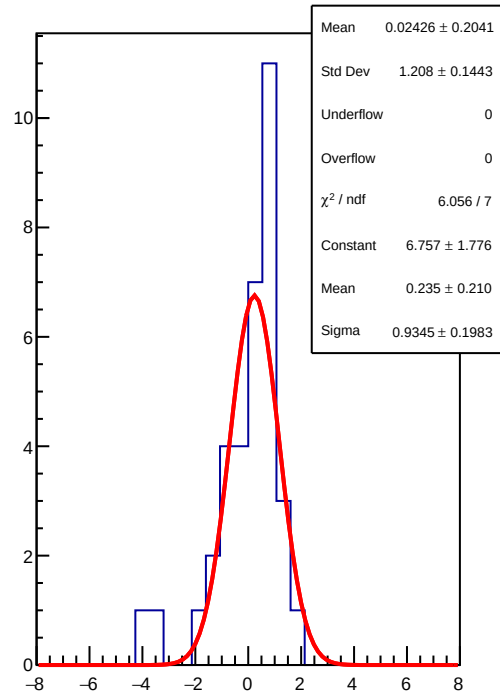
corr_usr_bpm4aY RMS (ppm)



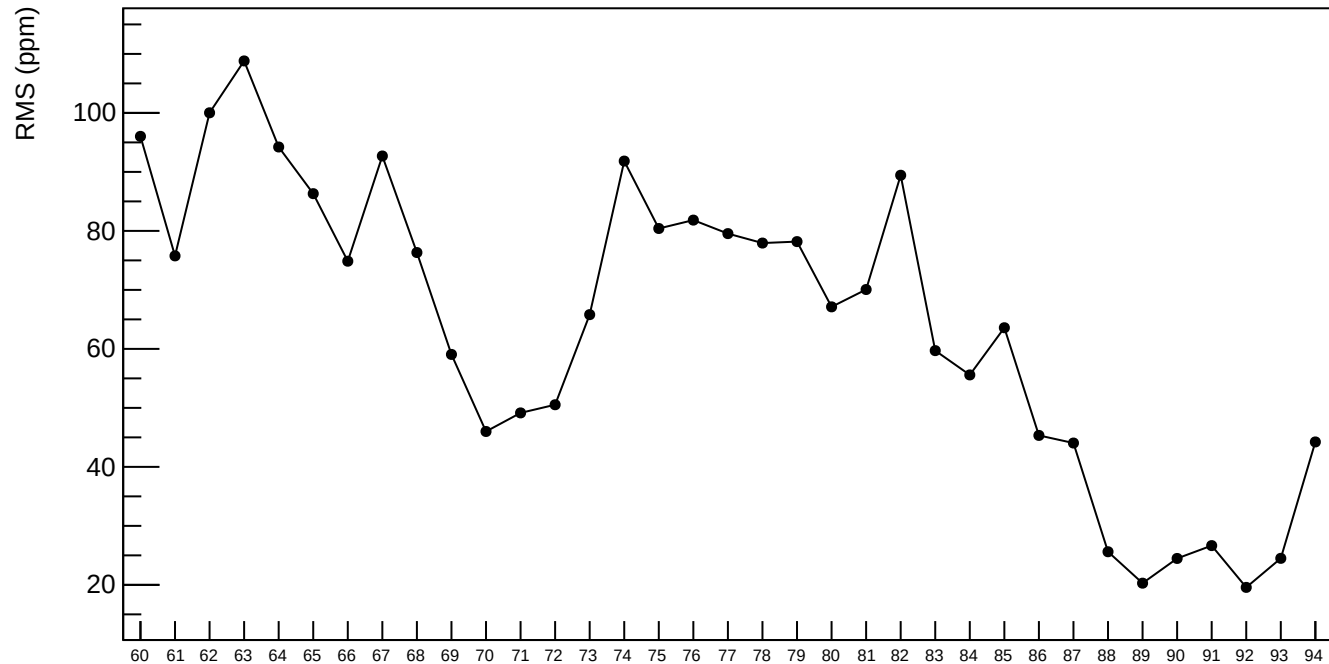
corr_usr_bpm1X (ppb)



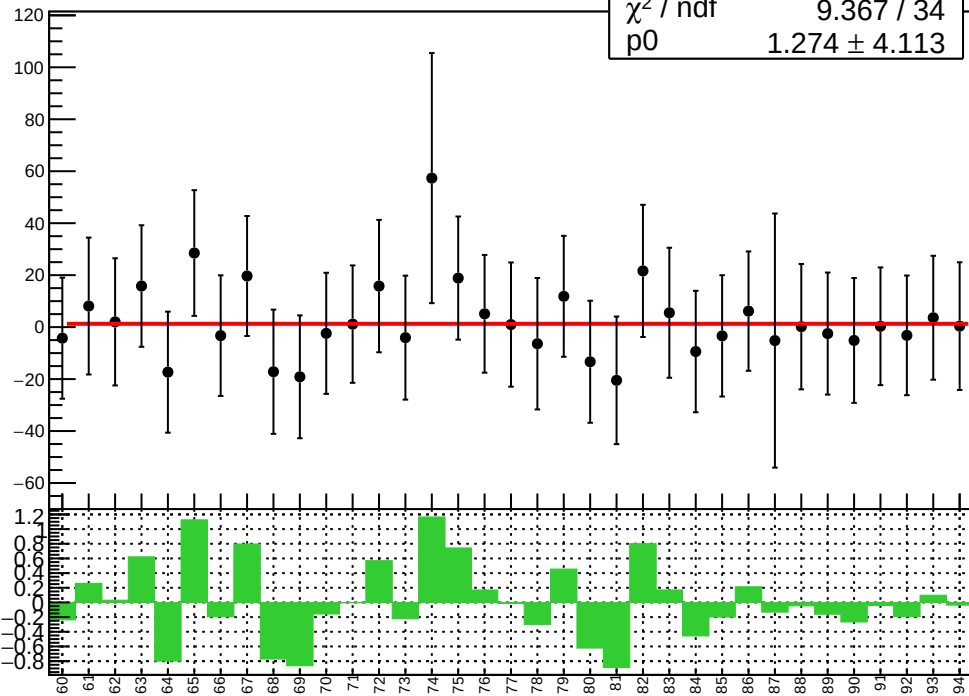
1D pull distribution



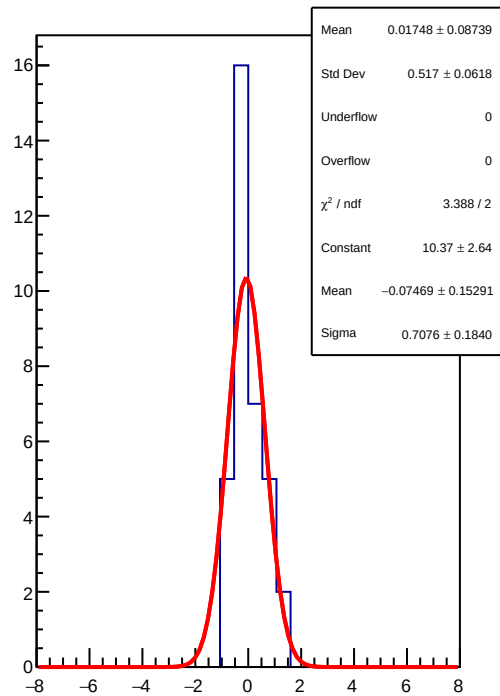
corr_usr_bpm1X RMS (ppm)



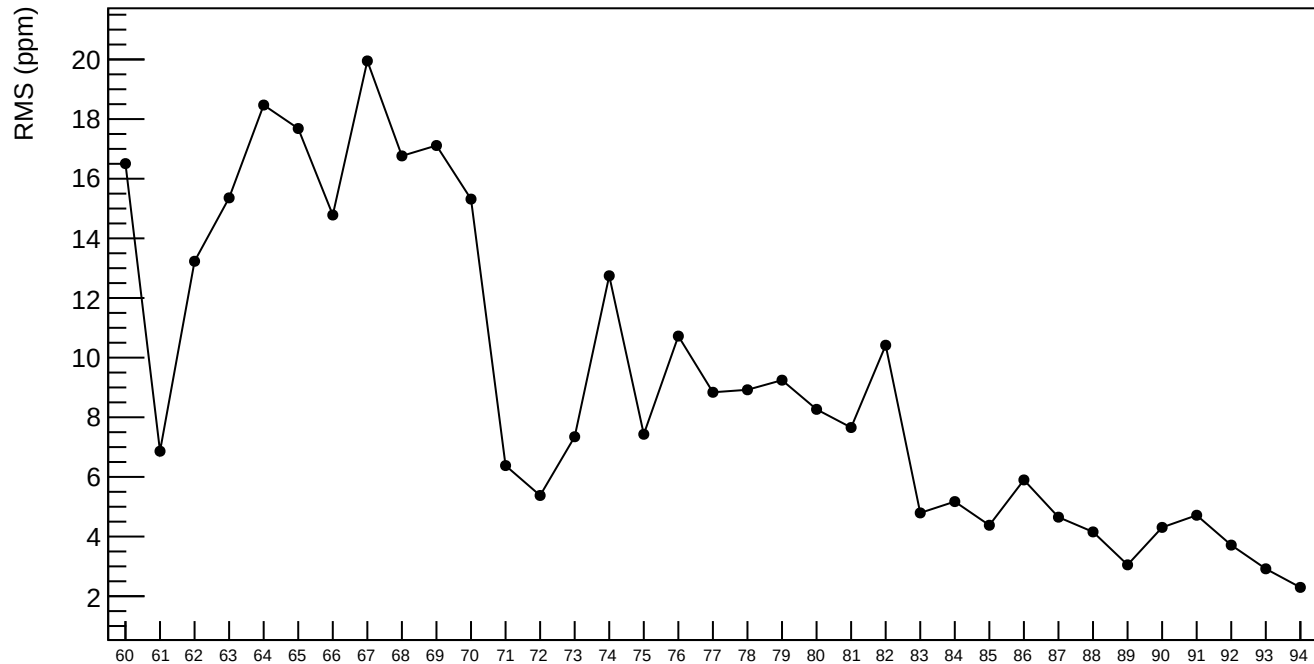
corr_usr_bpm1Y (ppb)



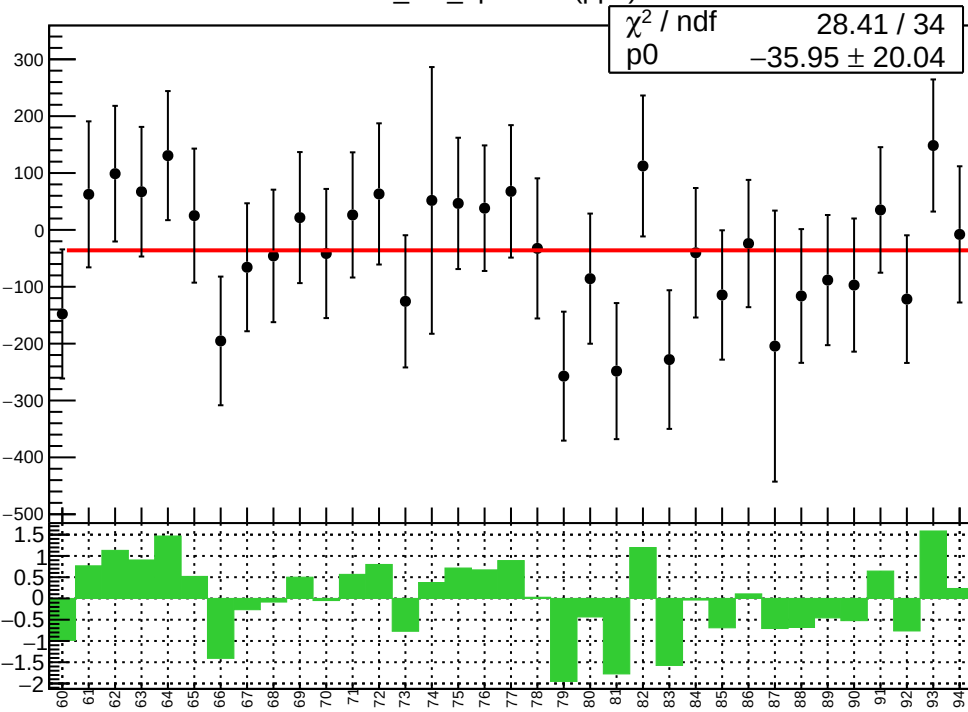
1D pull distribution



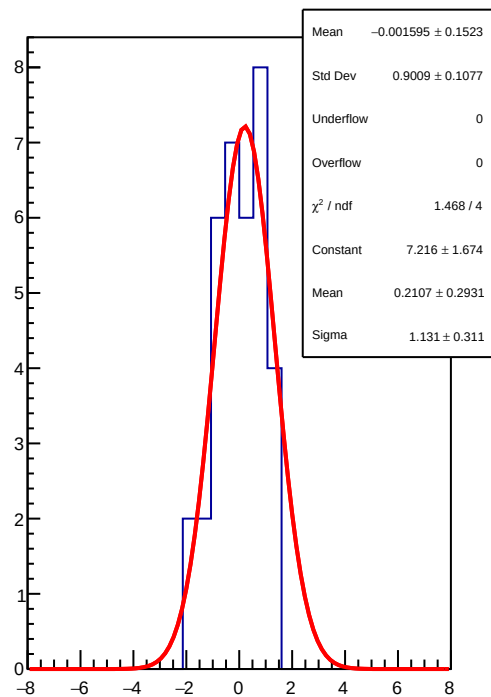
corr_usr_bpm1Y RMS (ppm)



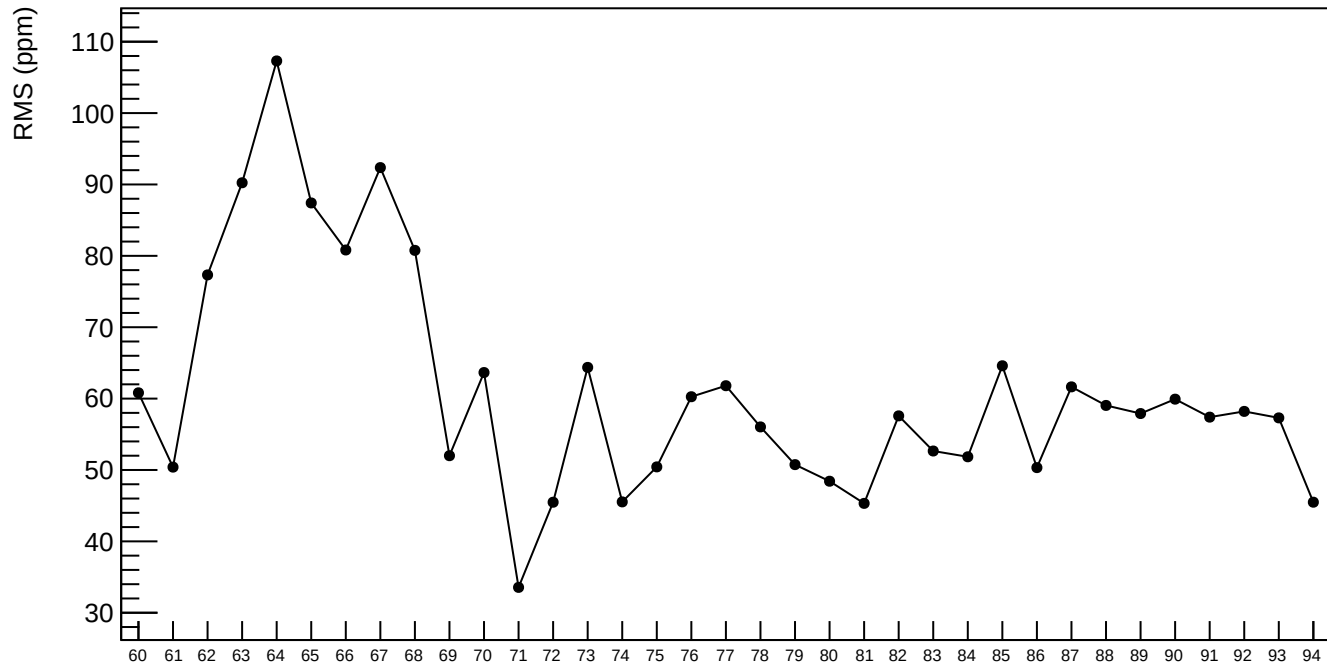
corr_usr_bpm16X (ppb)



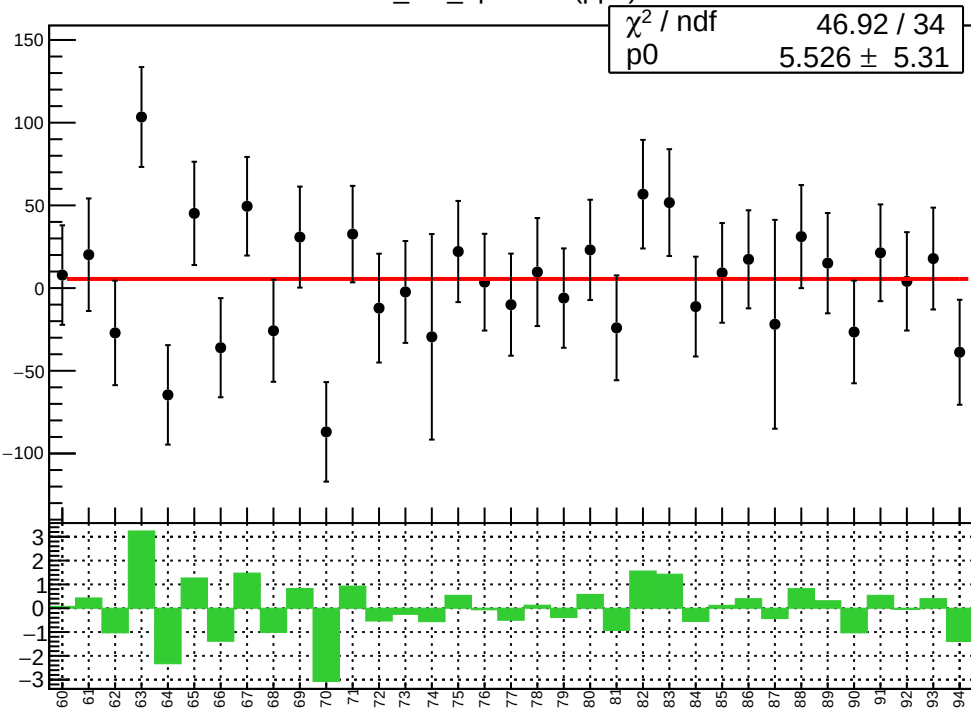
1D pull distribution



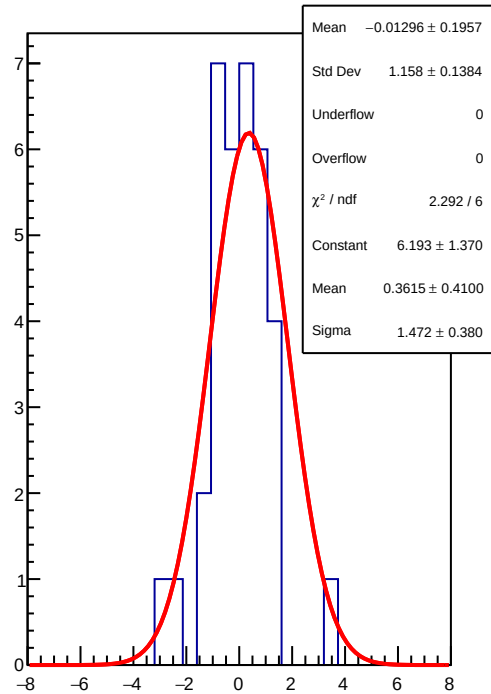
corr_usr_bpm16X RMS (ppm)



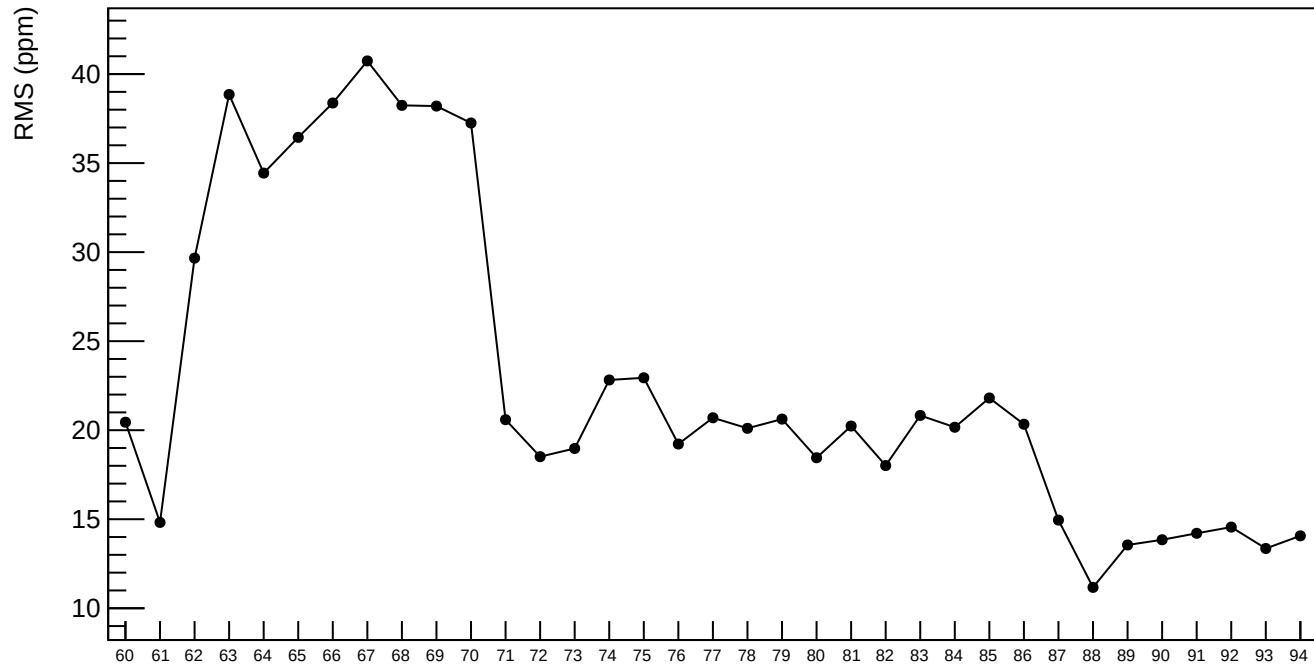
corr_usr_bpm16Y (ppb)



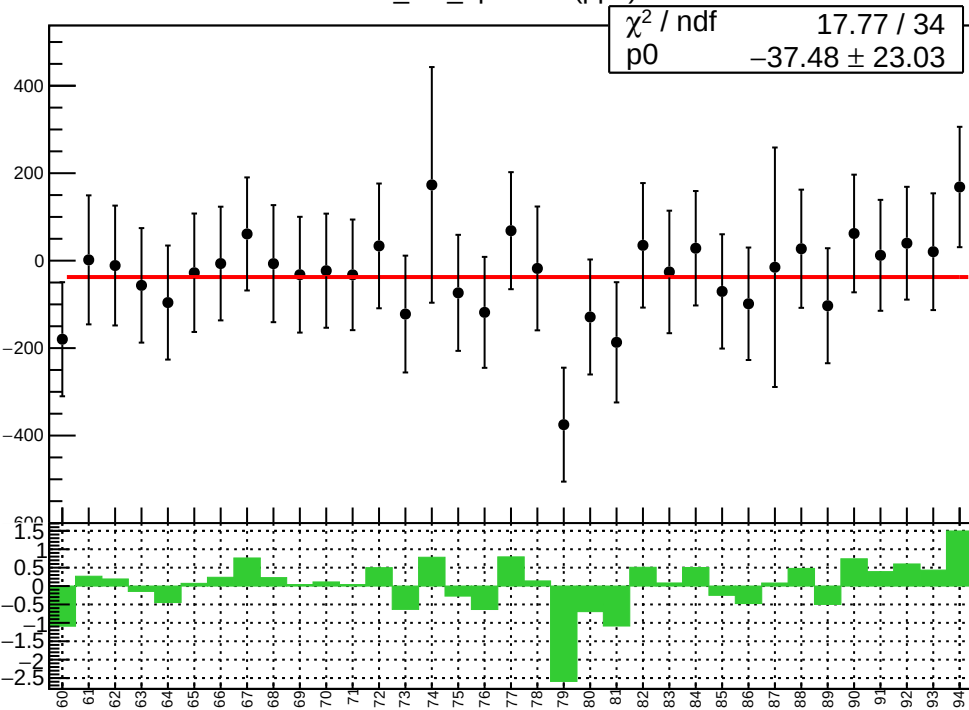
1D pull distribution



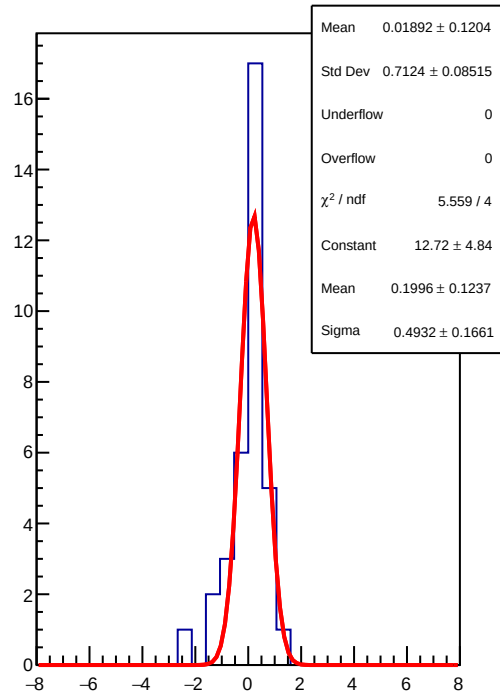
corr_usr_bpm16Y RMS (ppm)



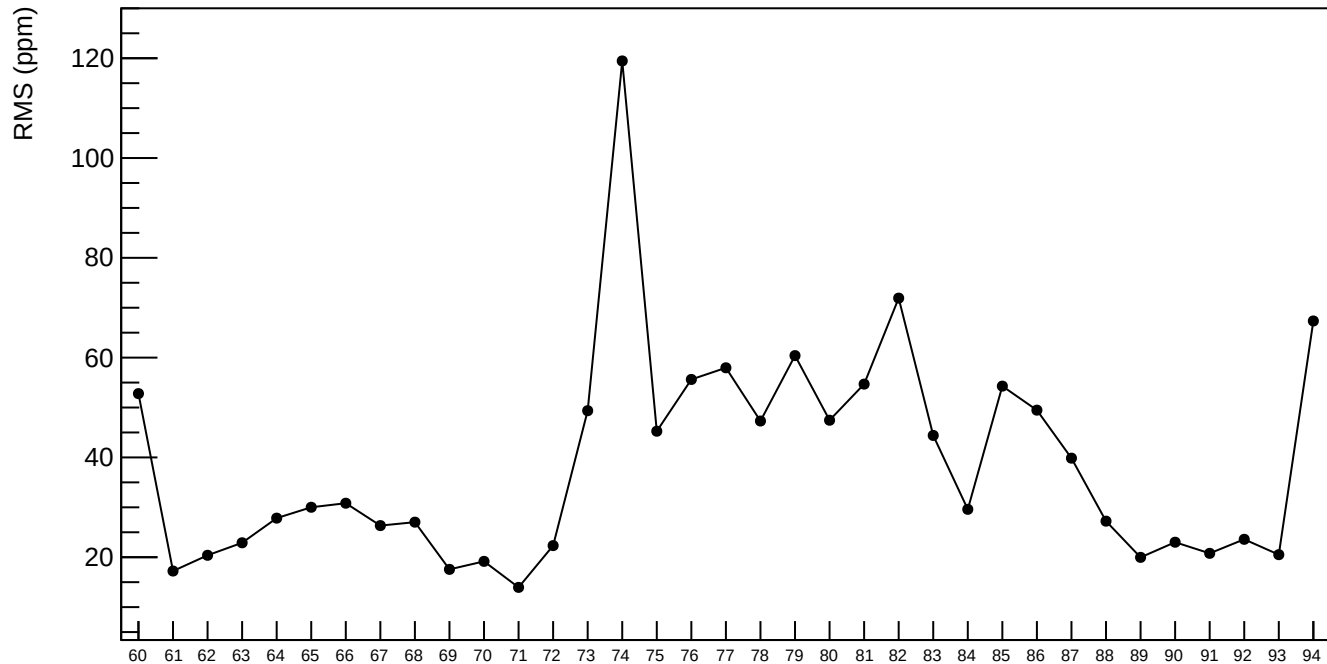
corr_usr_bpm12X (ppb)



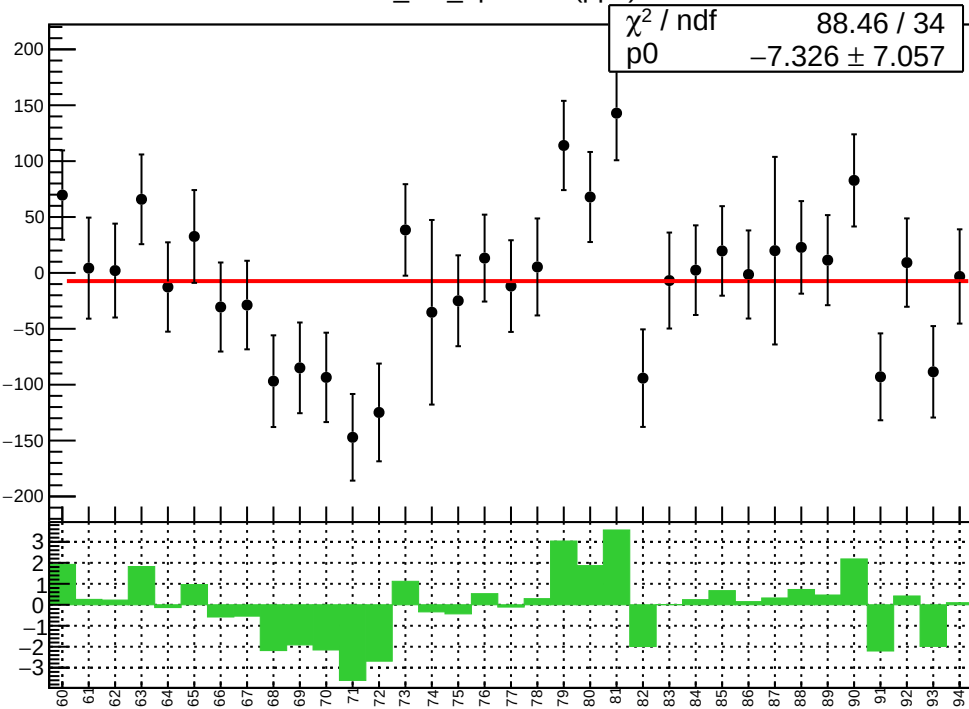
1D pull distribution



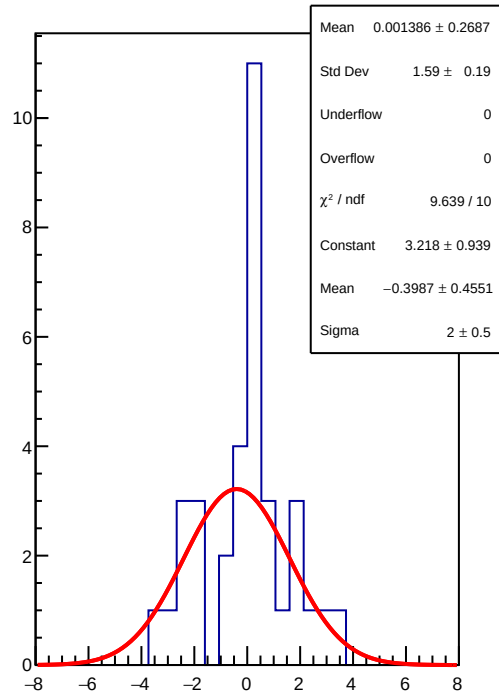
corr_usr_bpm12X RMS (ppm)



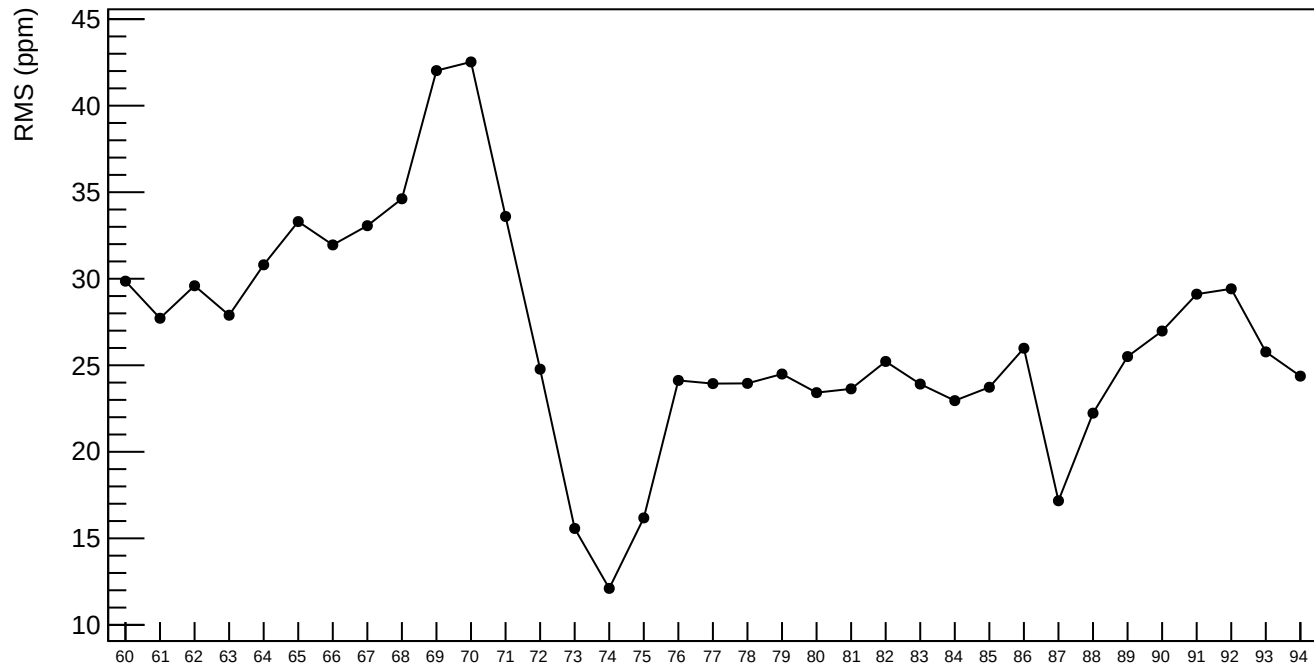
corr_usr_bpm12Y (ppb)



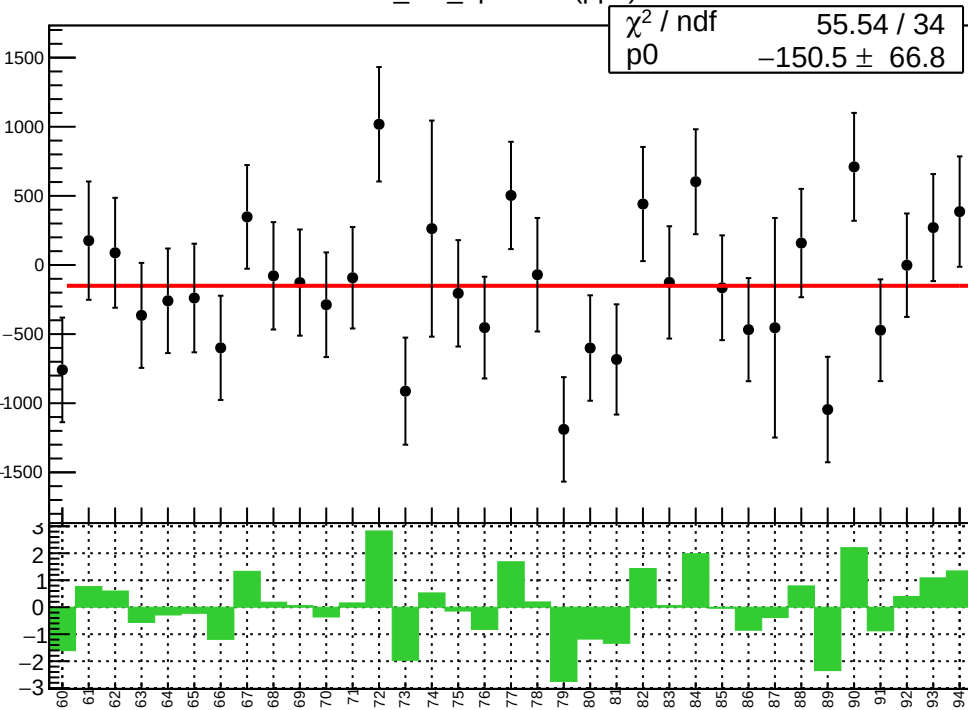
1D pull distribution



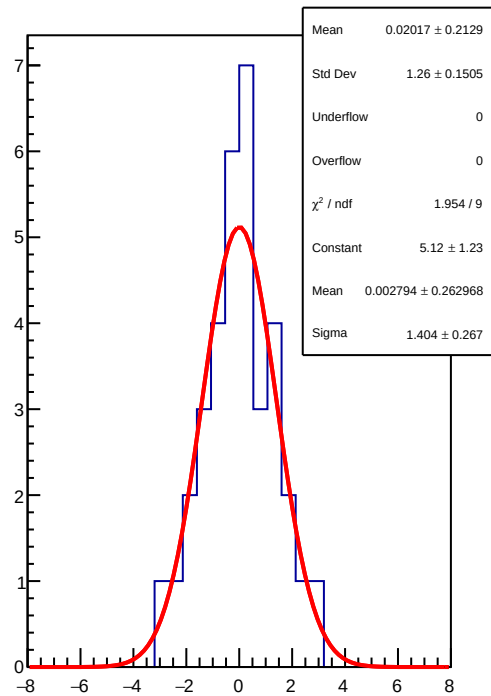
corr_usr_bpm12Y RMS (ppm)



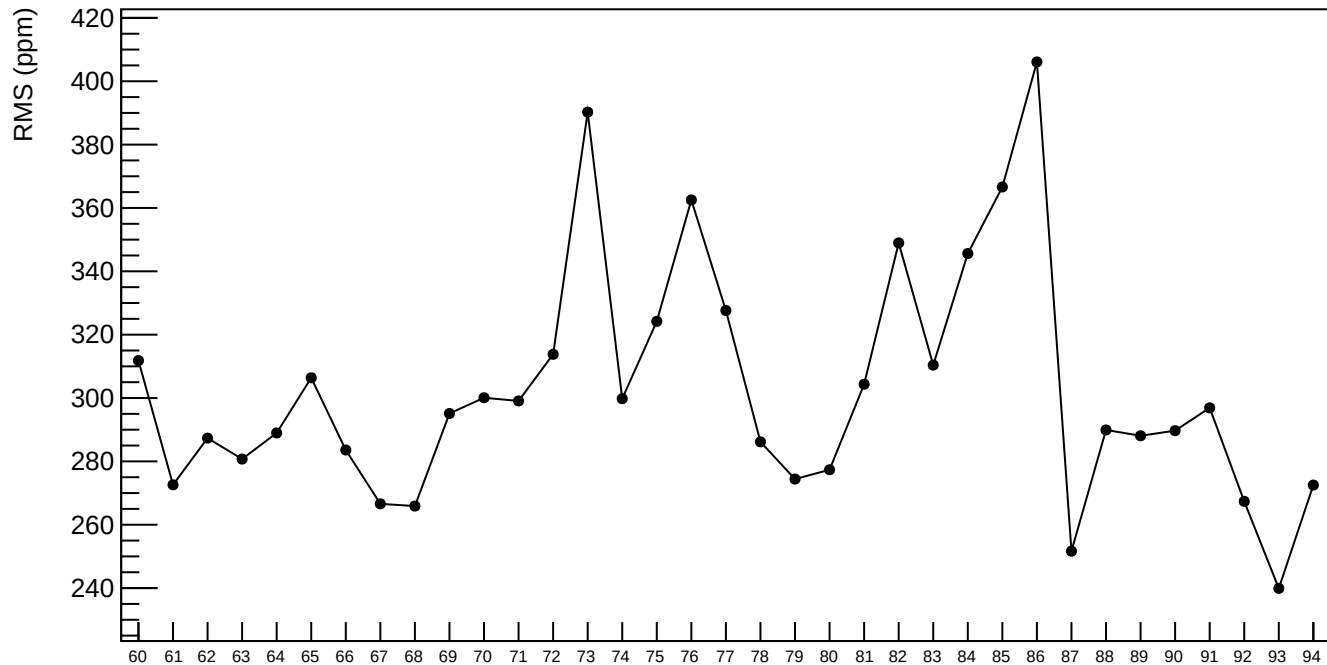
corr_usr_bpm11X (ppb)



1D pull distribution

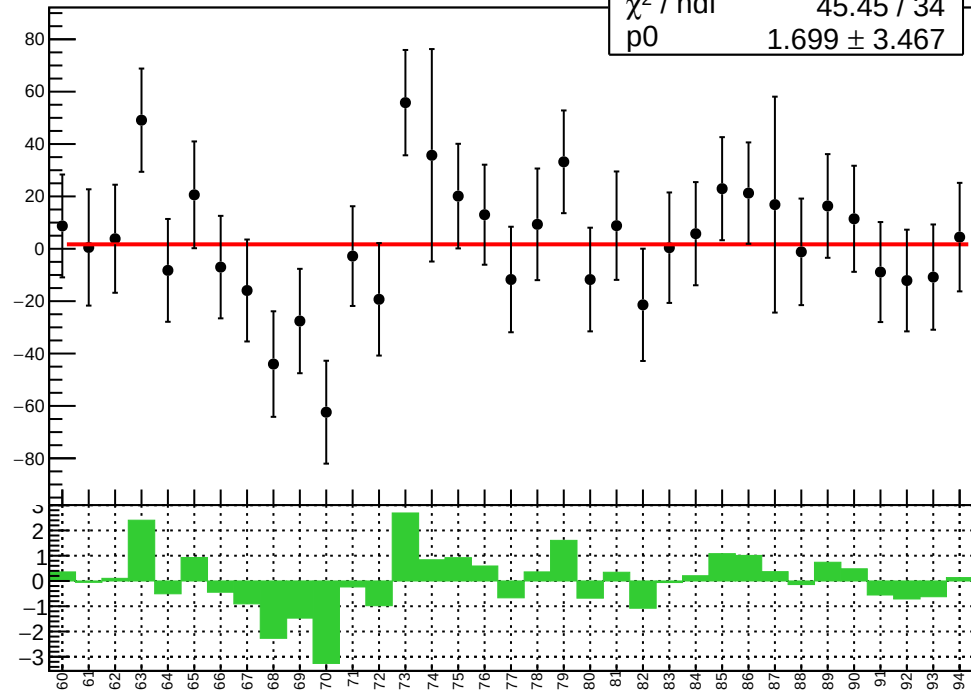


corr_usr_bpm11X RMS (ppm)

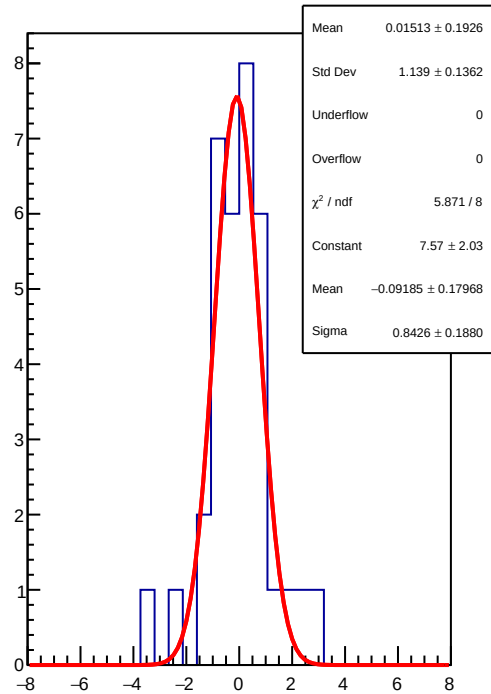


corr_usr_bpm11Y (ppb)

χ^2 / ndf 45.45 / 34
 p_0 1.699 ± 3.467



1D pull distribution



corr_usr_bpm11Y RMS (ppm)

