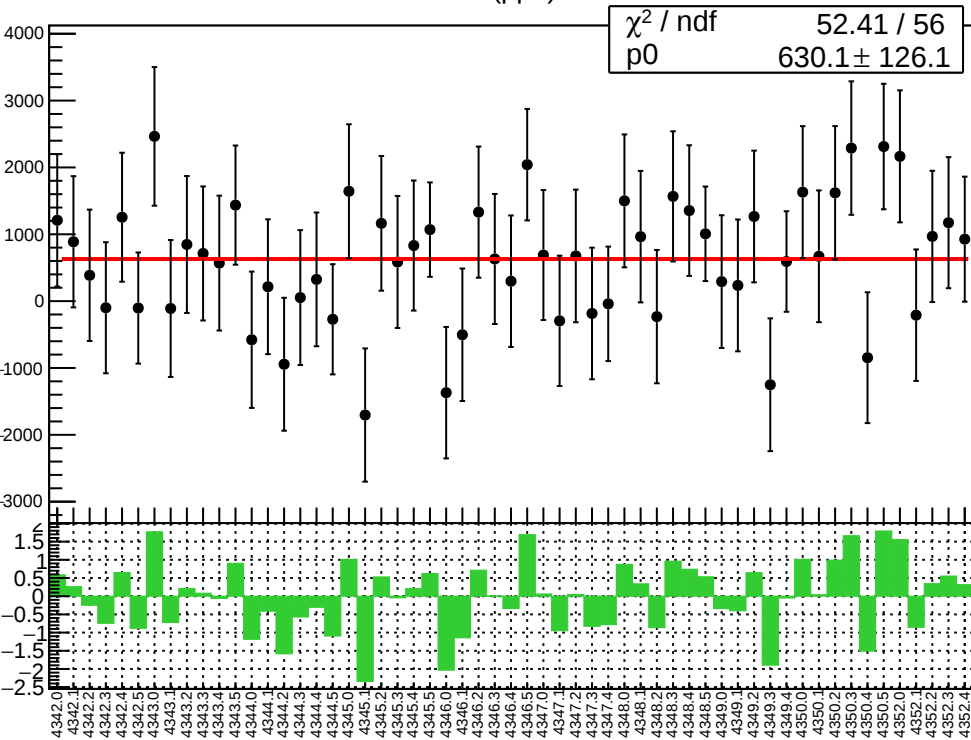
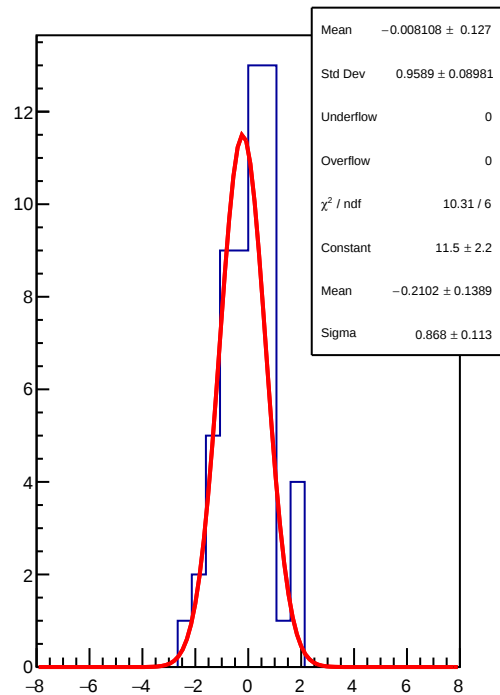


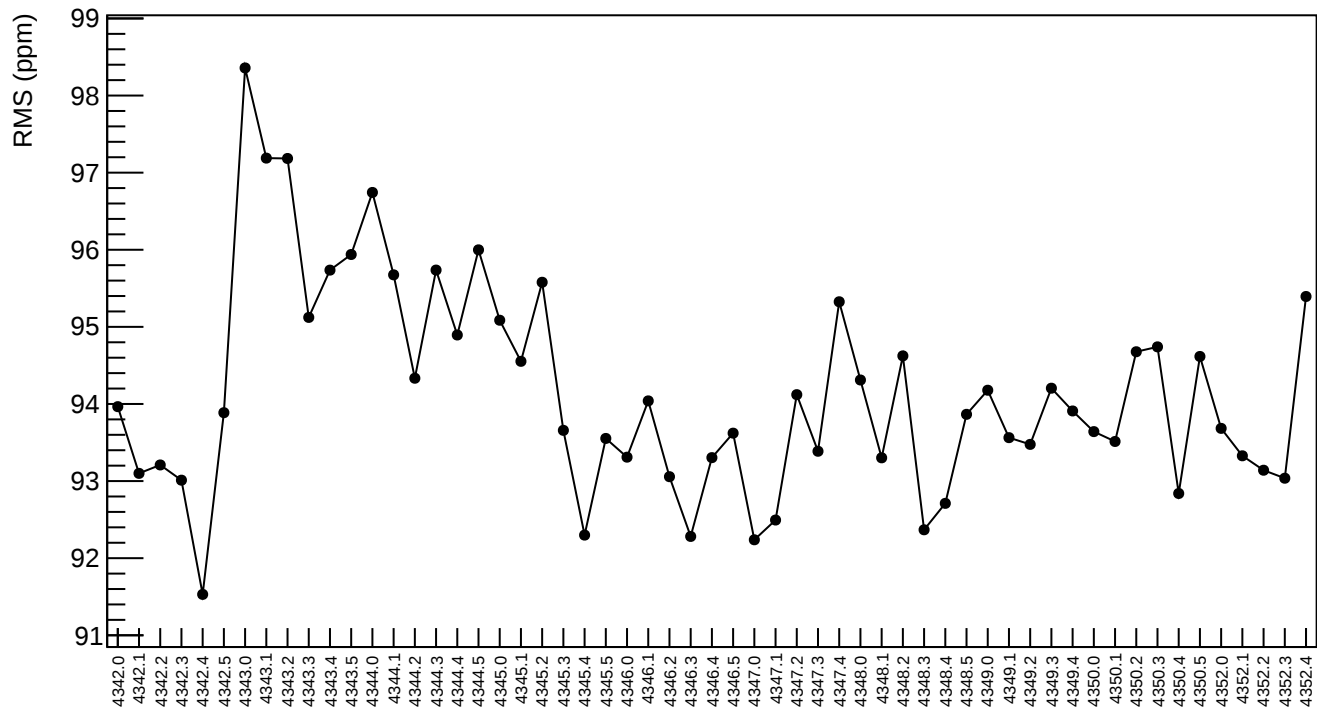
Adet (ppb)



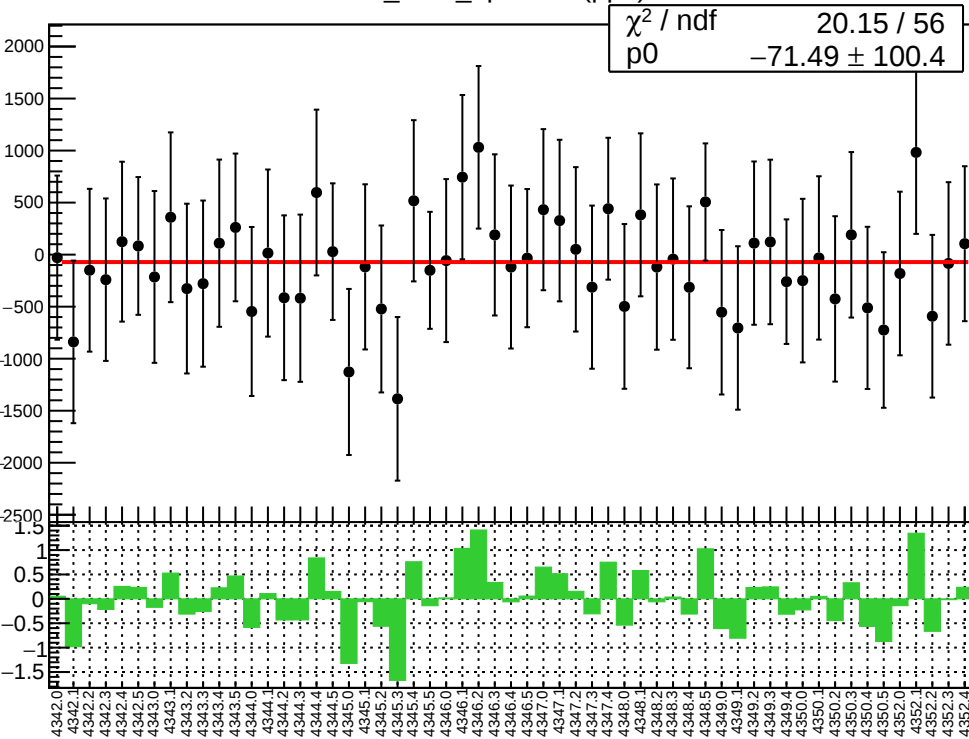
1D pull distribution



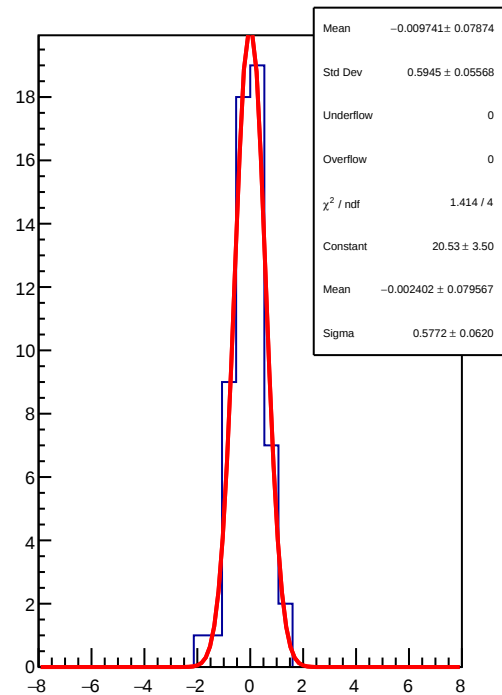
Adet RMS (ppm)



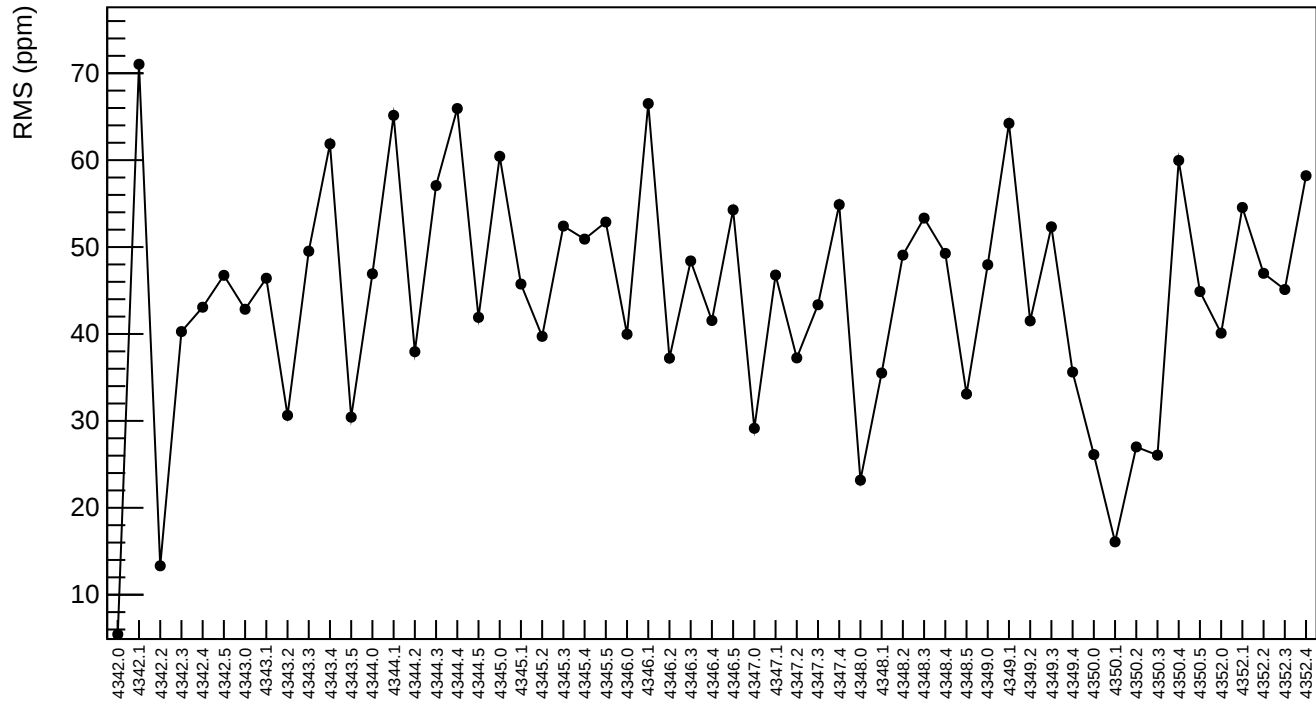
corr_Adet_bpm4eX (ppb)



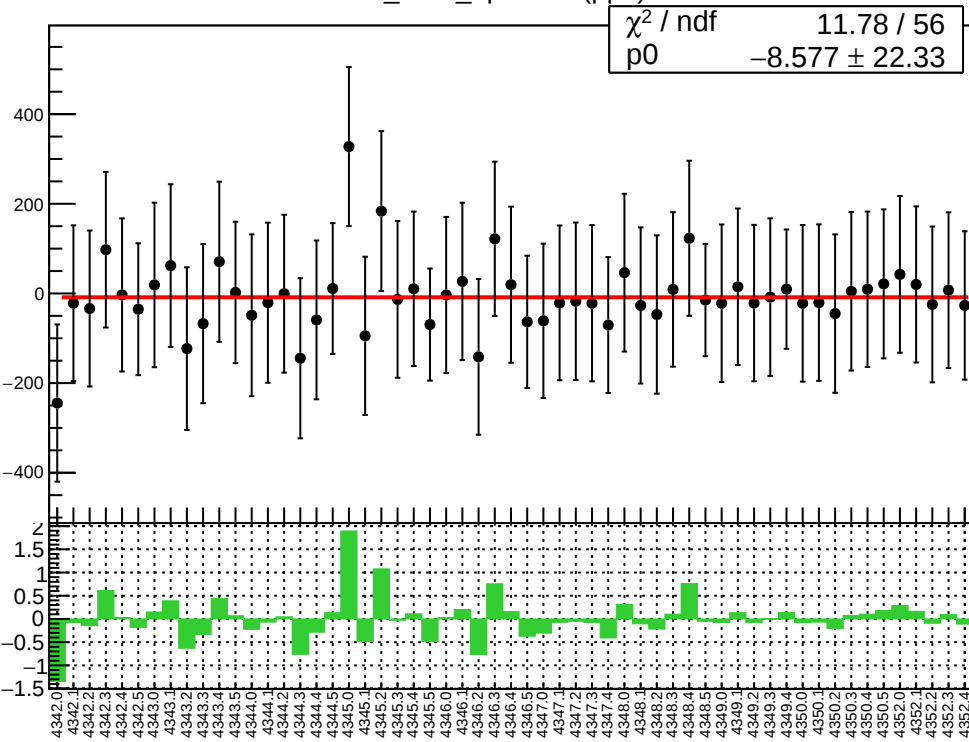
1D pull distribution



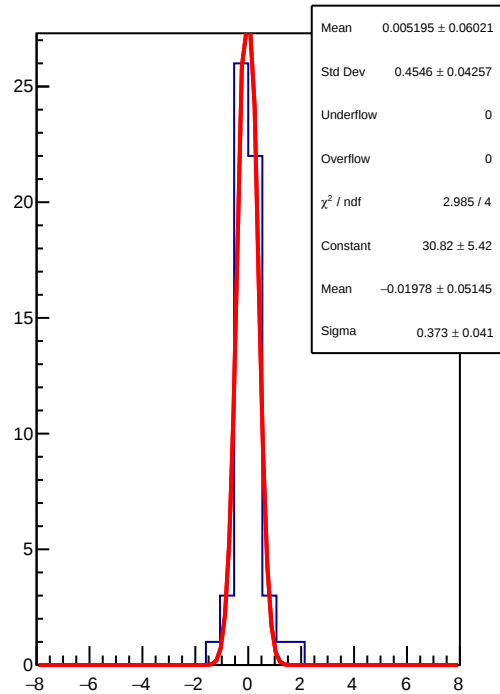
corr_Adet_bpm4eX RMS (ppm)



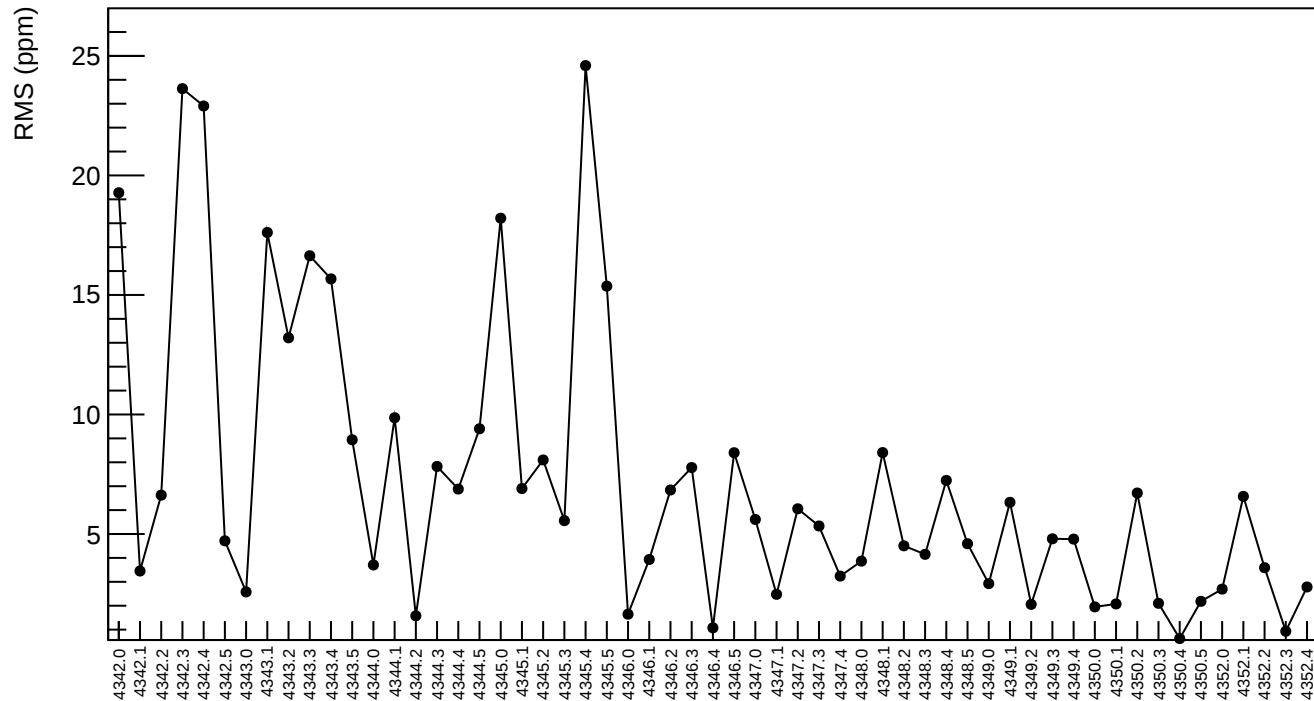
corr_Adet_bpm4eY (ppb)



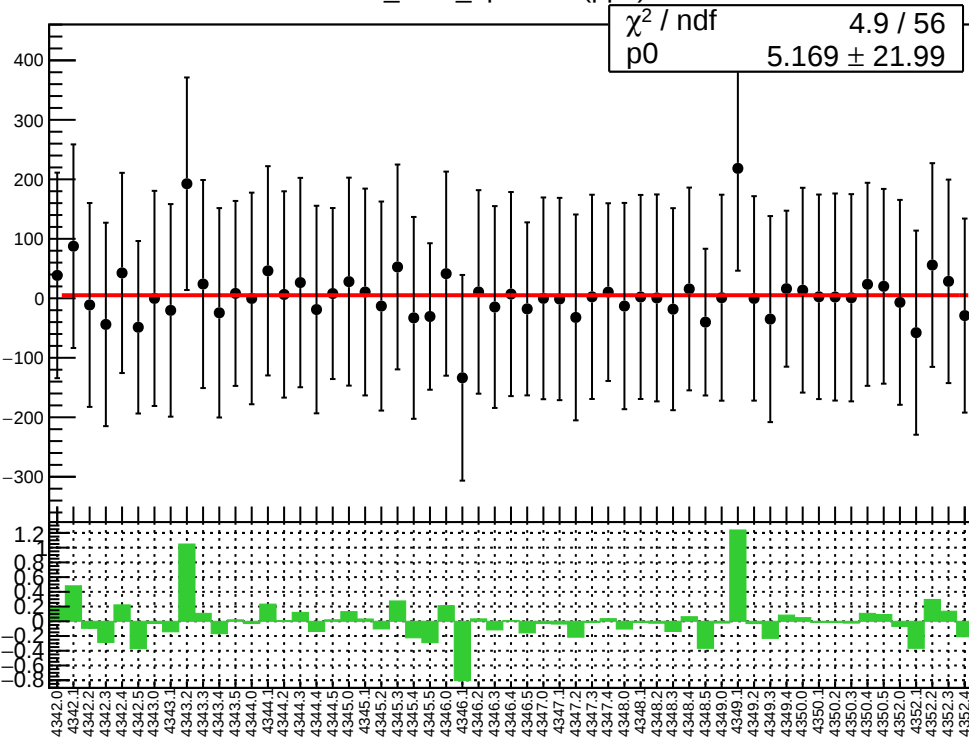
1D pull distribution



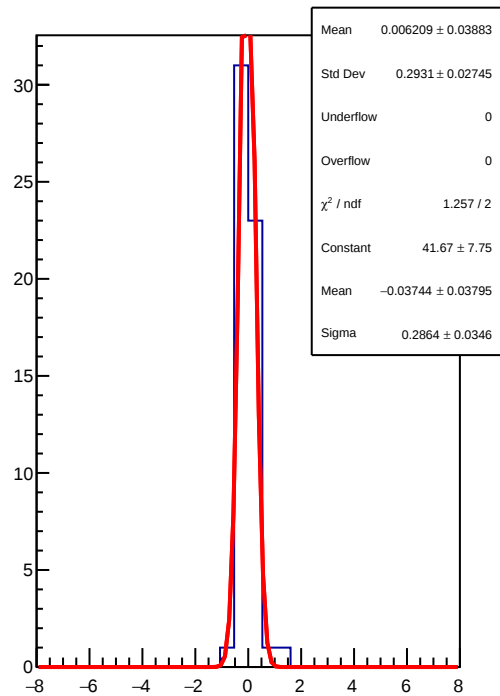
corr_Adet_bpm4eY RMS (ppm)



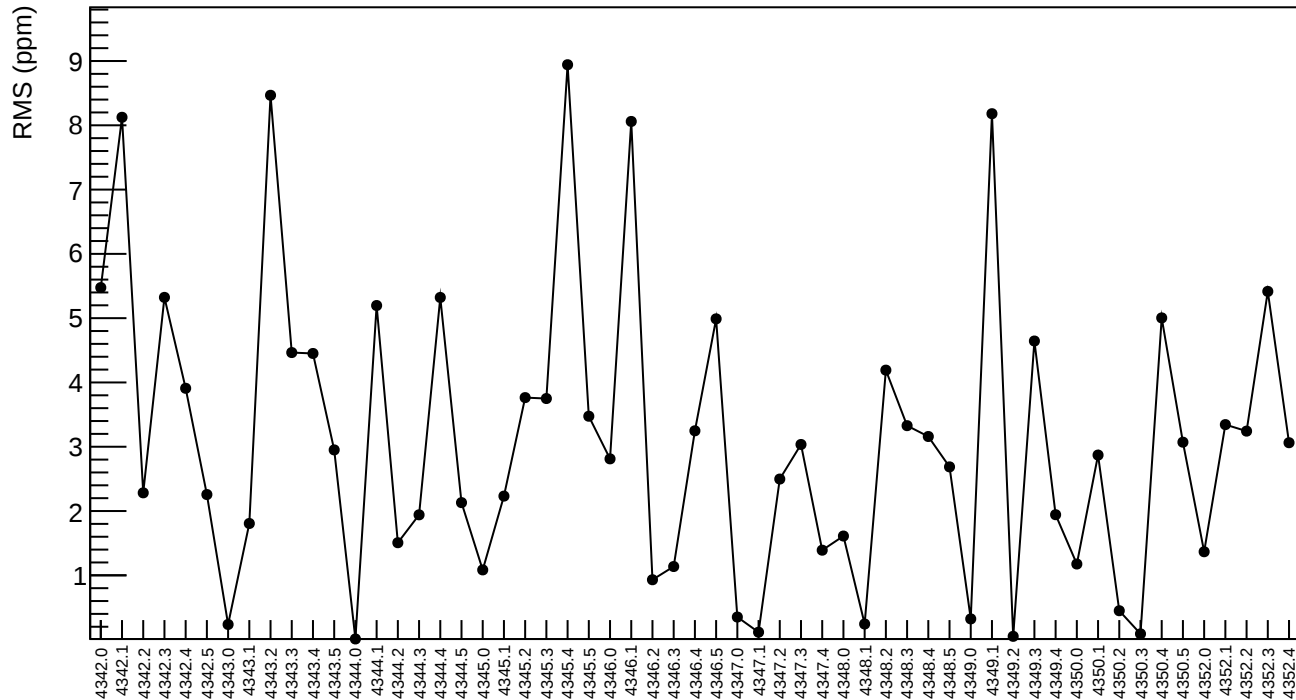
corr_Adet_bpm4aX (ppb)



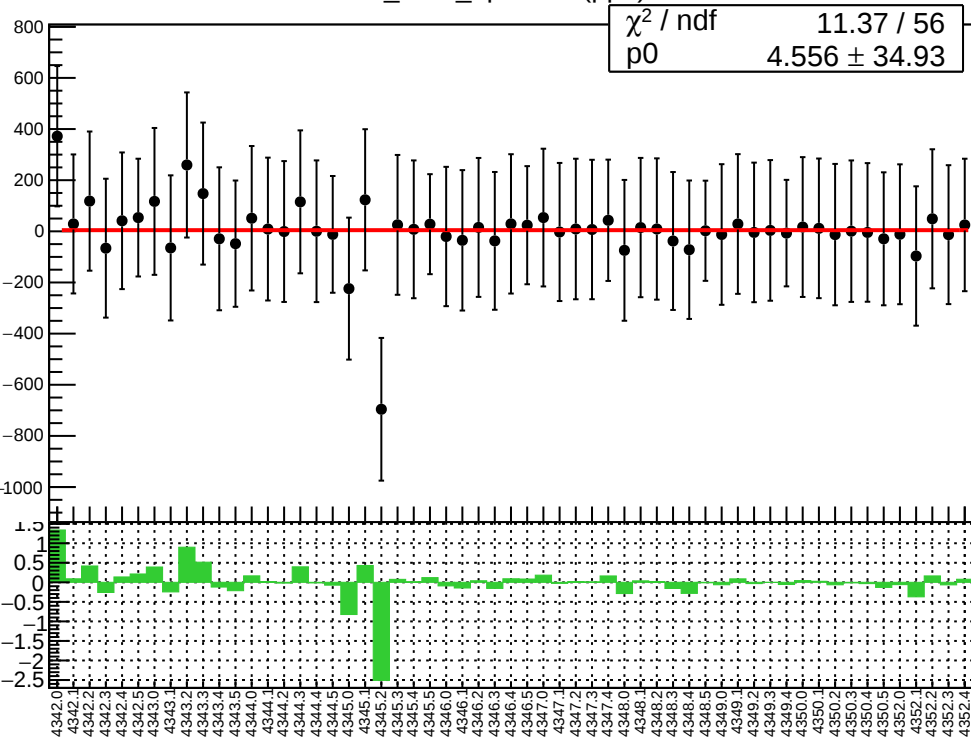
1D pull distribution



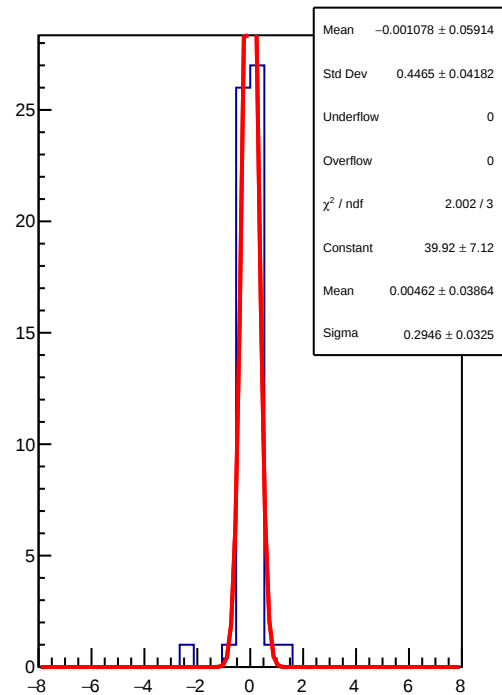
corr_Adet_bpm4aX RMS (ppm)



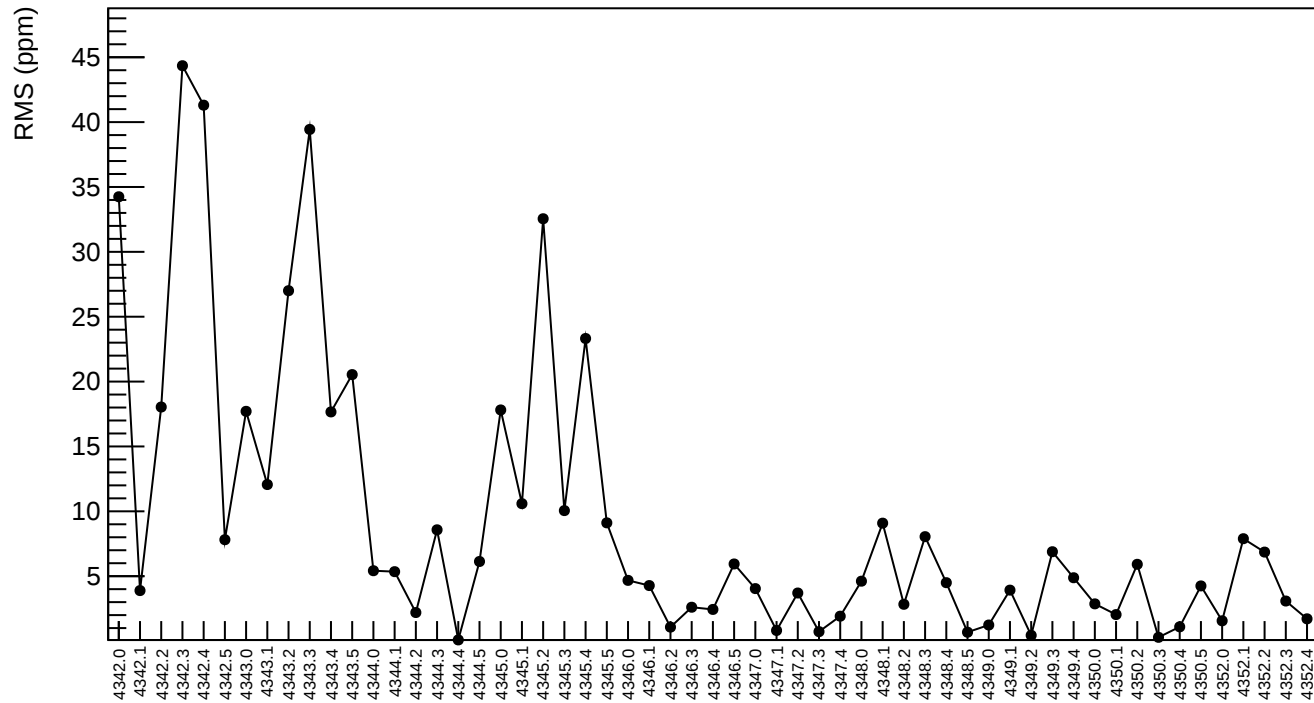
corr_Adet_bpm4aY (ppb)



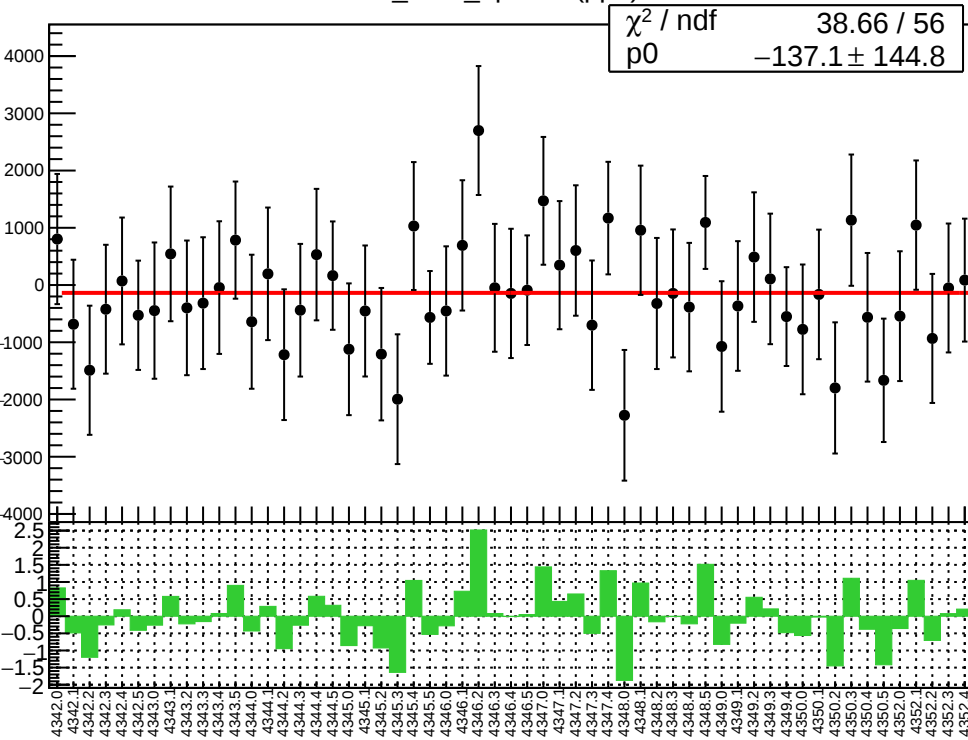
1D pull distribution



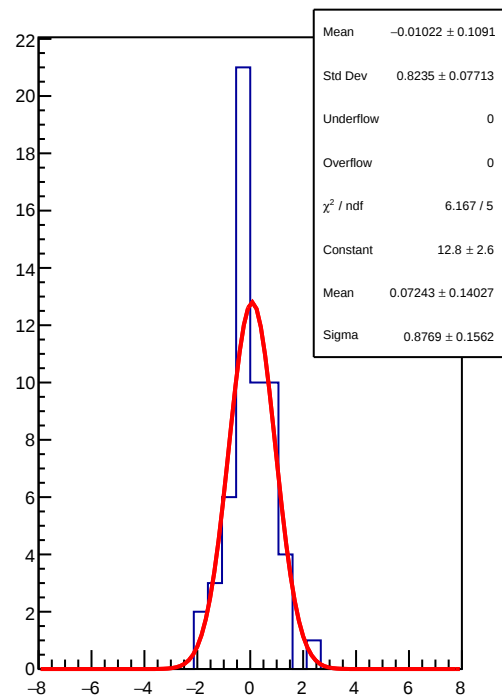
corr_Adet_bpm4aY RMS (ppm)



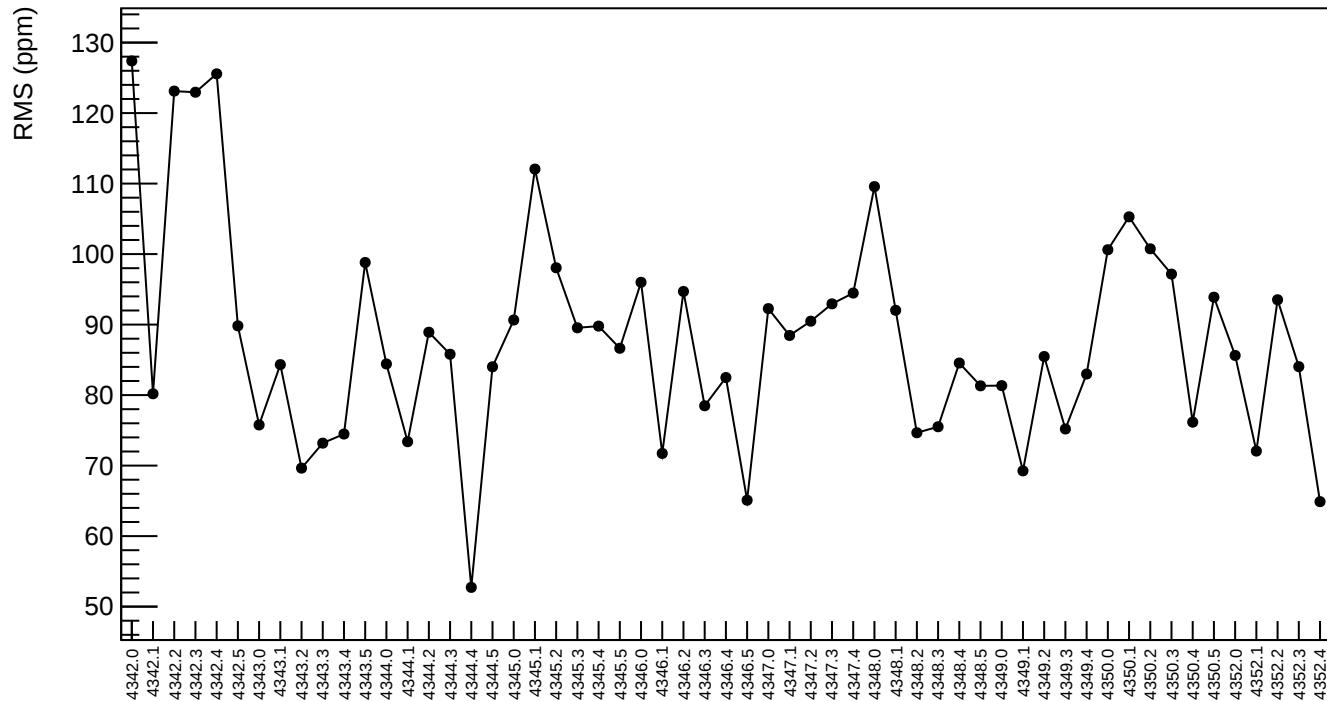
corr_Adet_bpm1X (ppb)



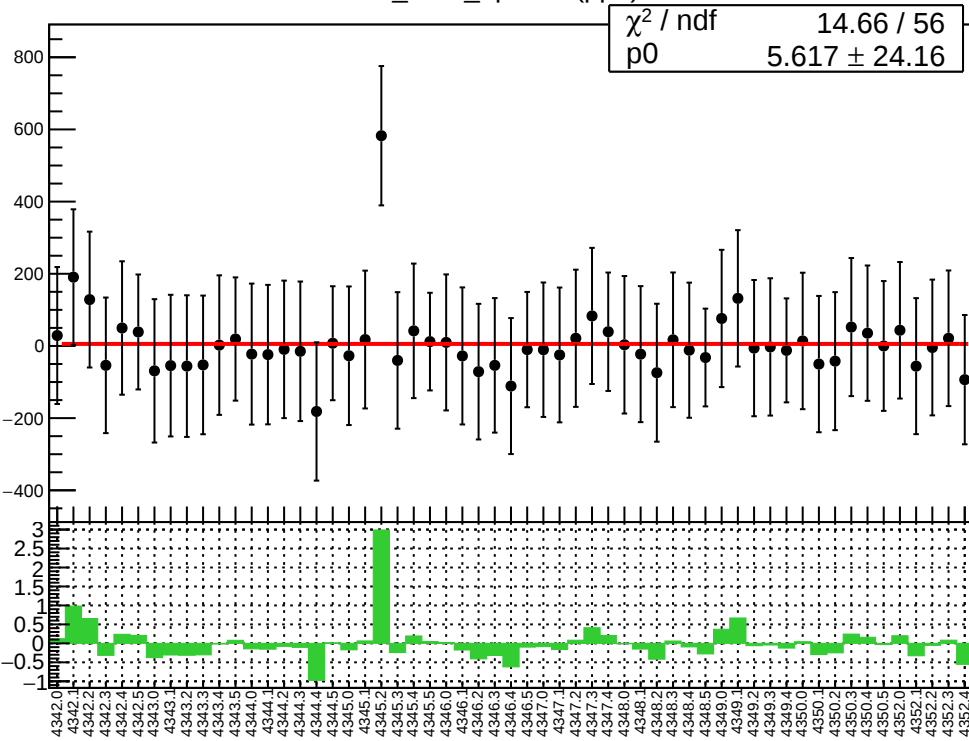
1D pull distribution



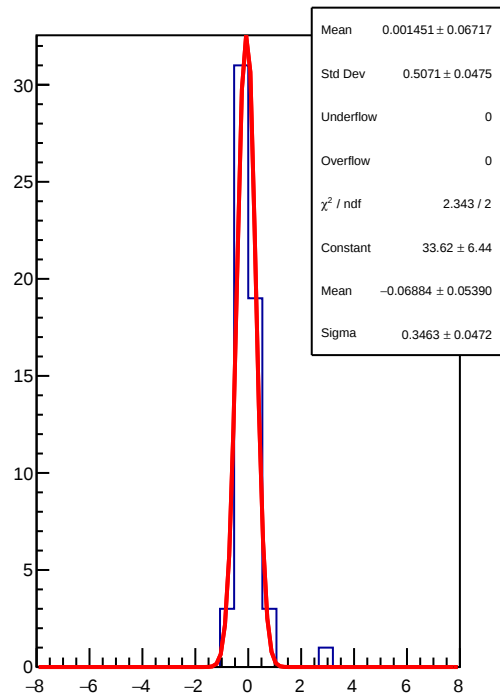
corr_Adet_bpm1X RMS (ppm)



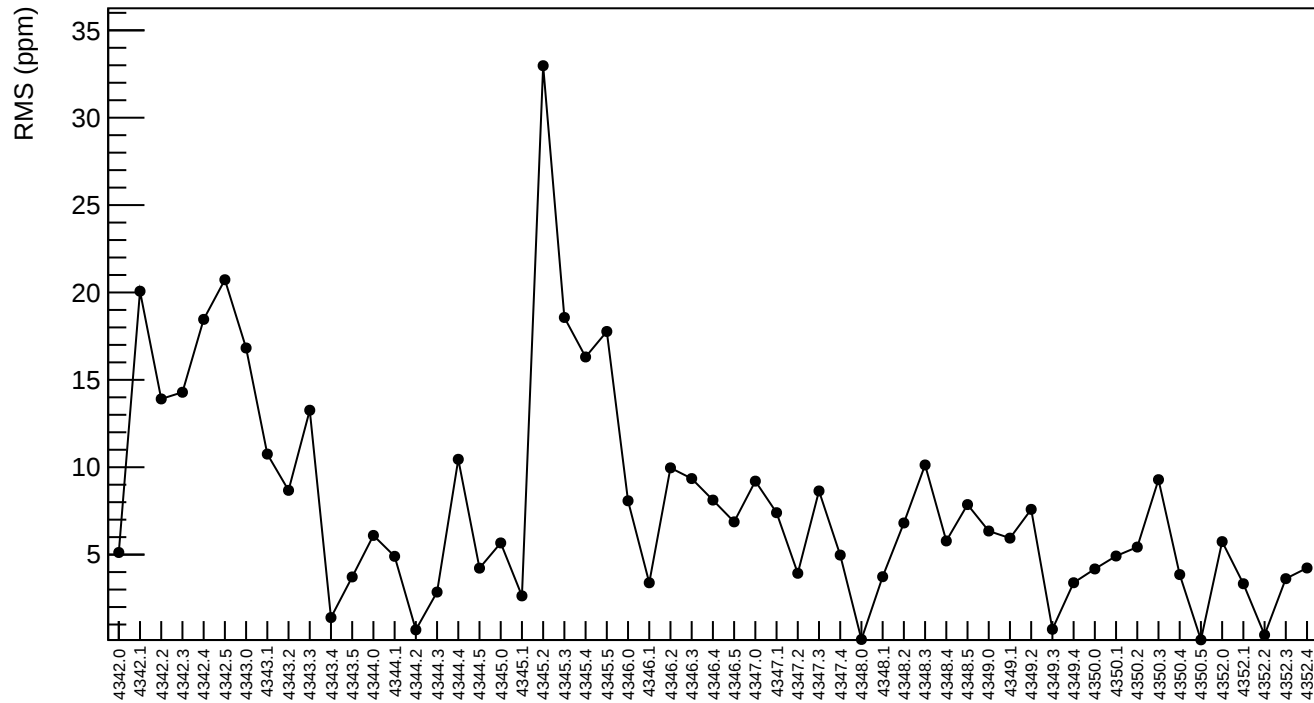
corr_Adet_bpm1Y (ppb)



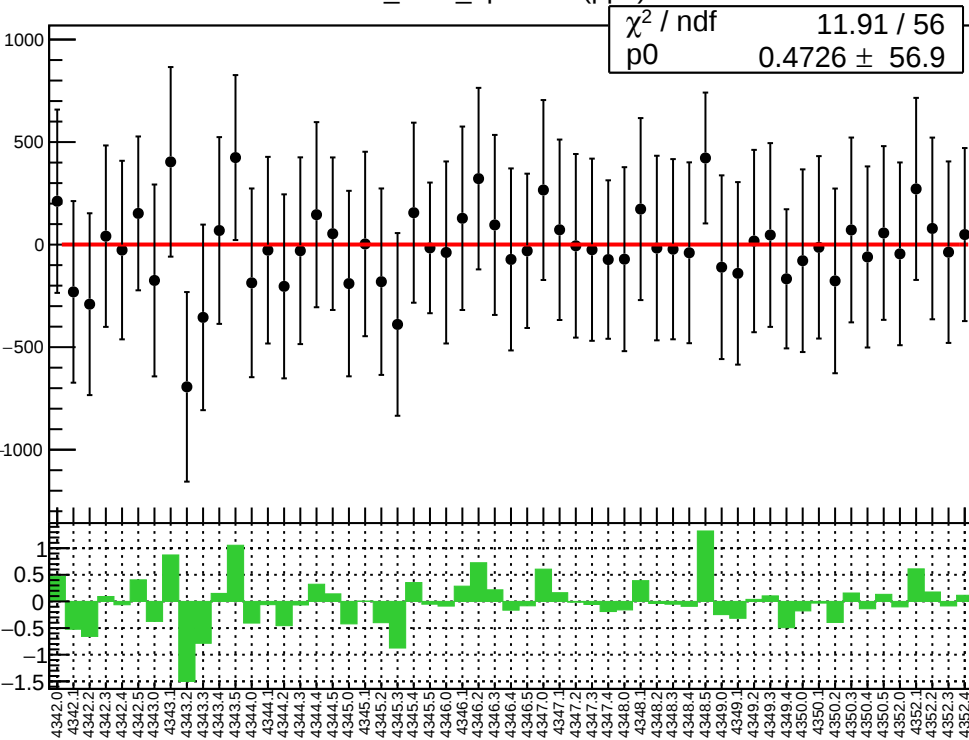
1D pull distribution



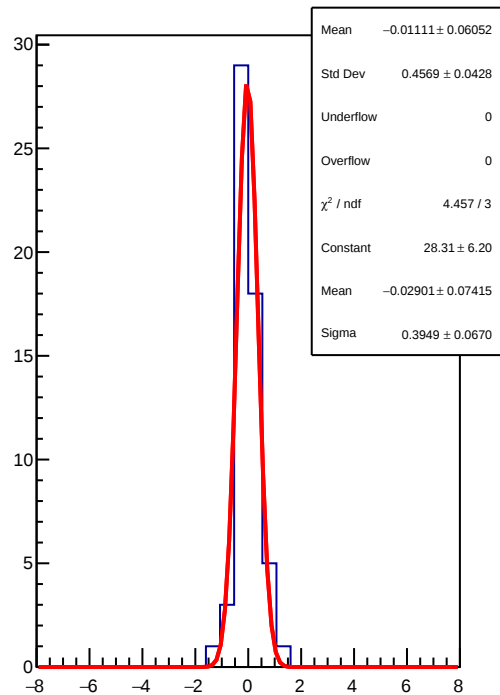
corr_Adet_bpm1Y RMS (ppm)



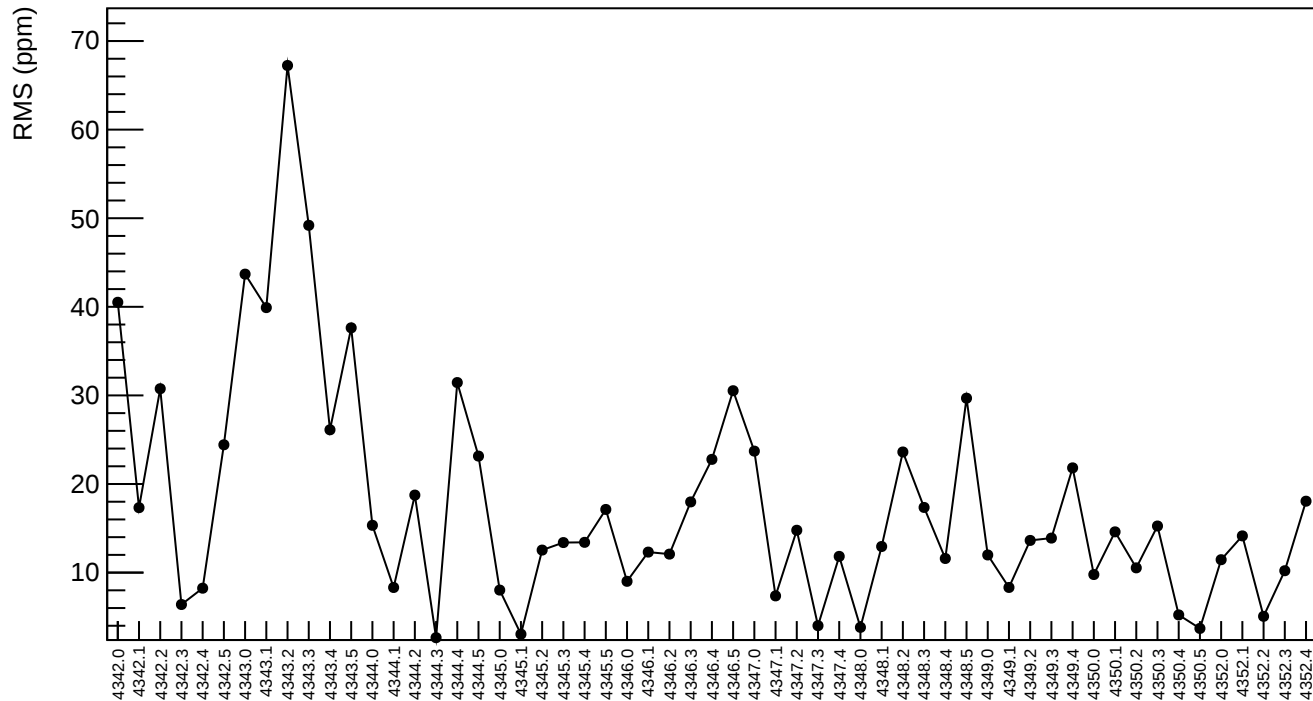
corr_Adet_bpm16X (ppb)



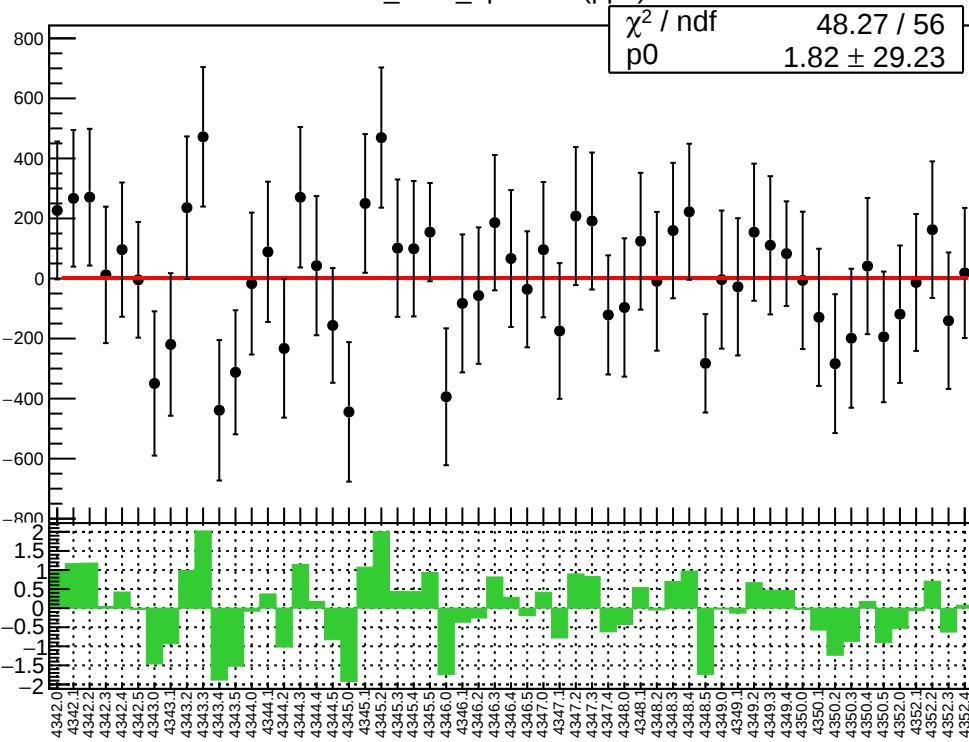
1D pull distribution



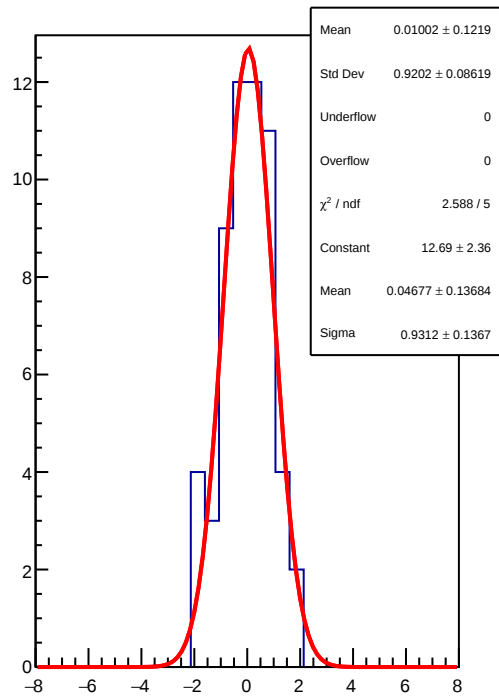
corr_Adet_bpm16X RMS (ppm)



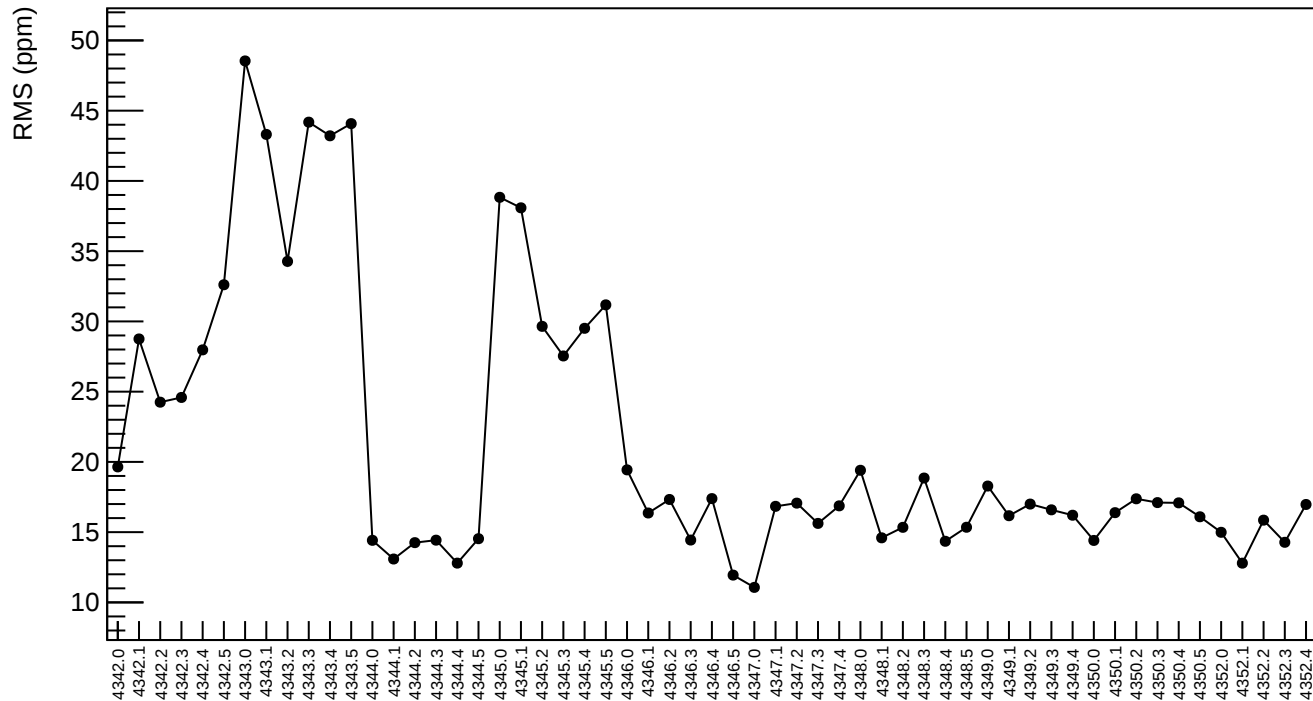
corr_Adet_bpm16Y (ppb)



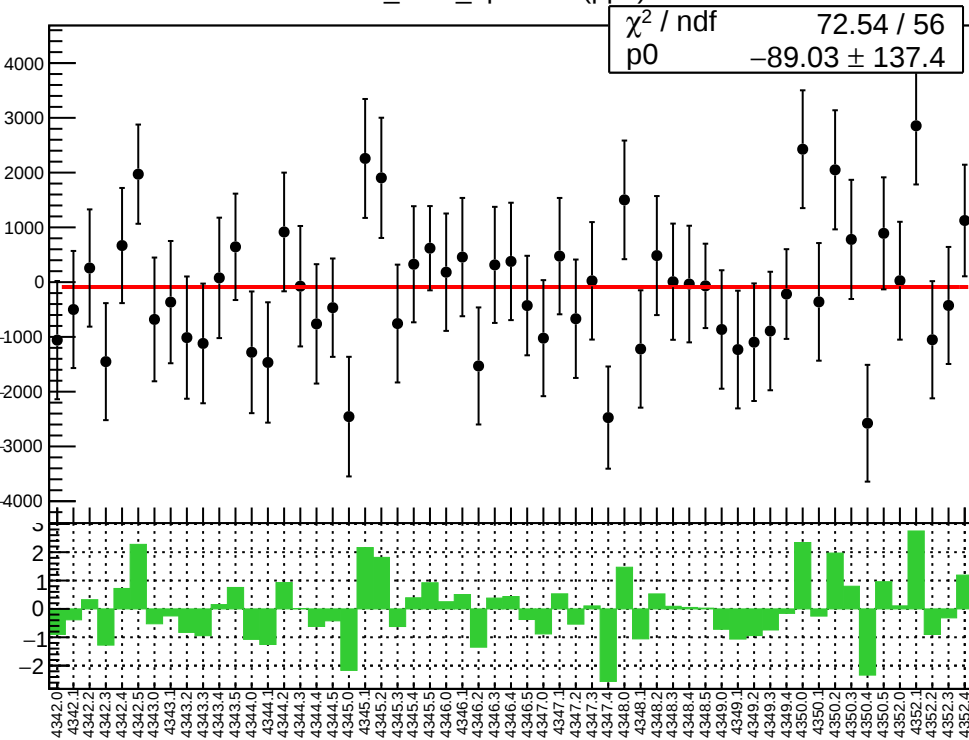
1D pull distribution



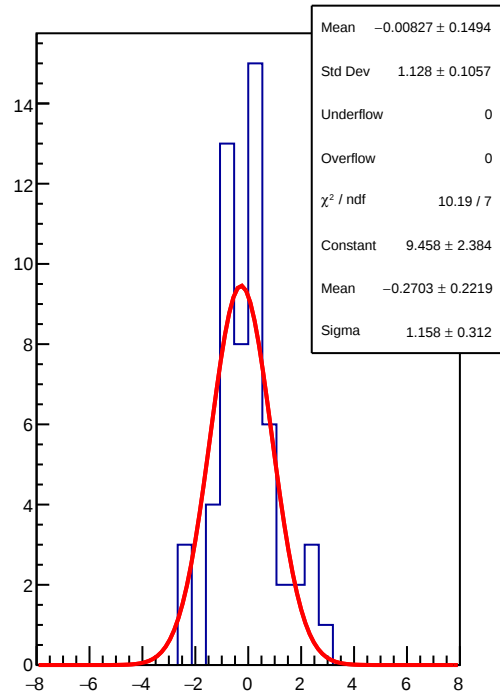
corr_Adet_bpm16Y RMS (ppm)



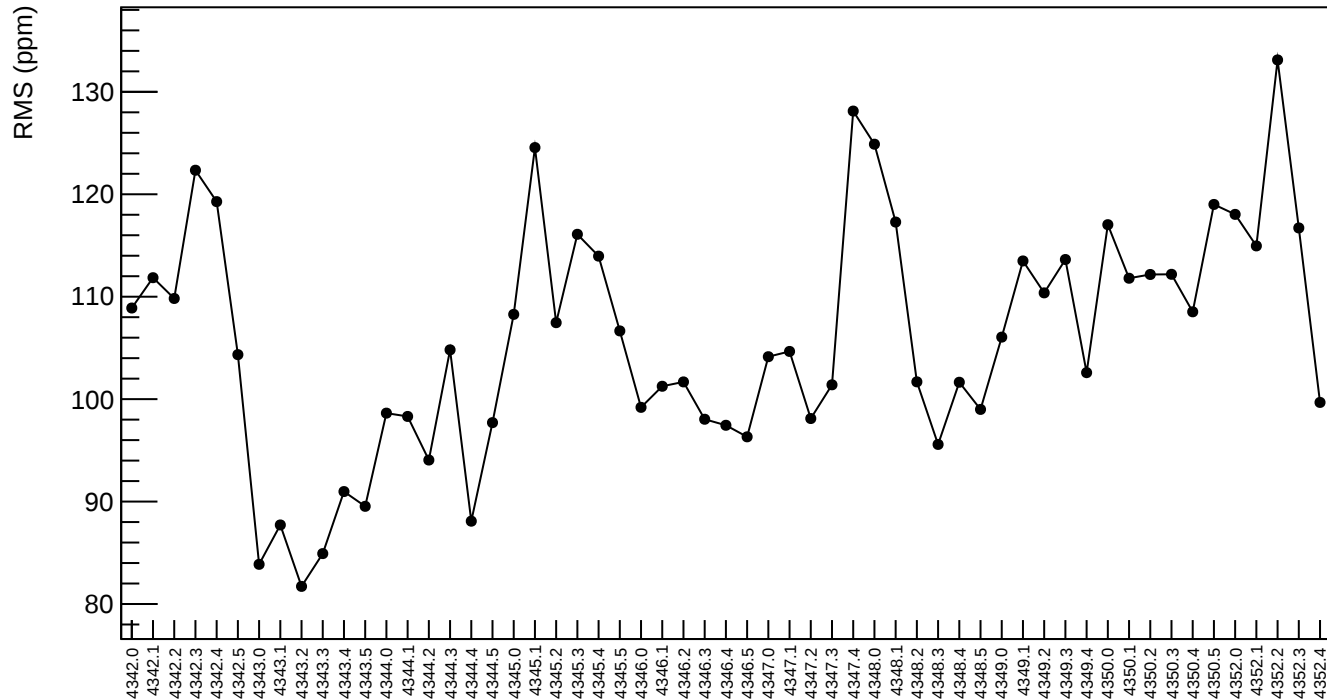
corr_Adet_bpm12X (ppb)



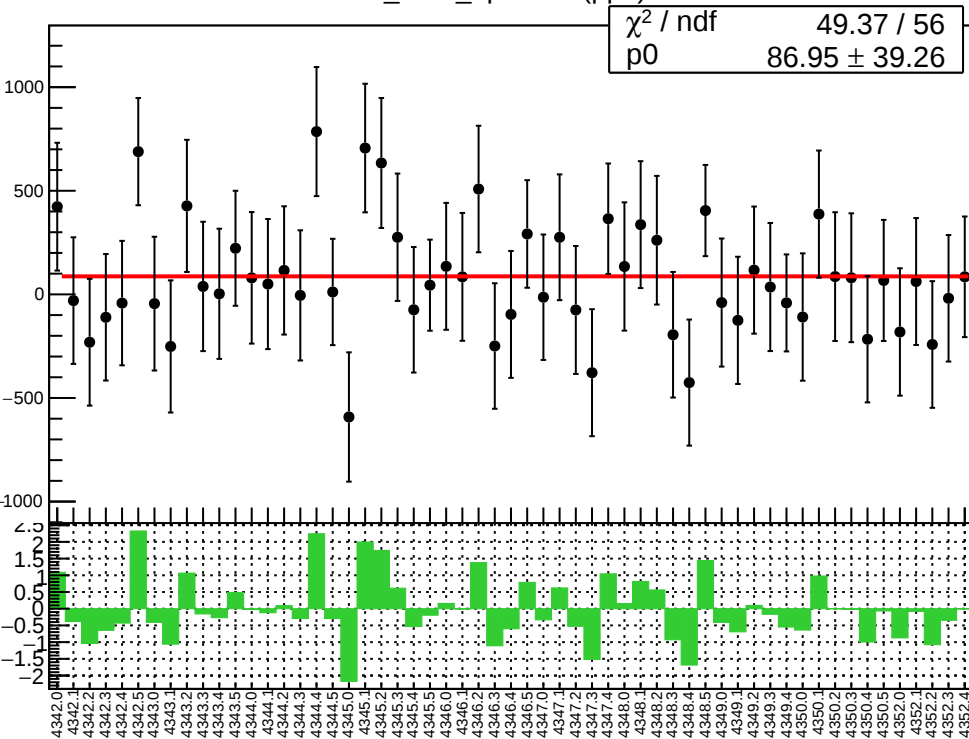
1D pull distribution



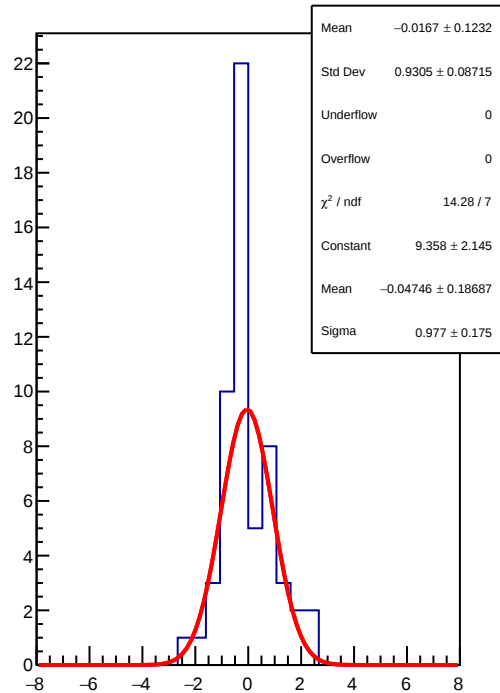
corr_Adet_bpm12X RMS (ppm)



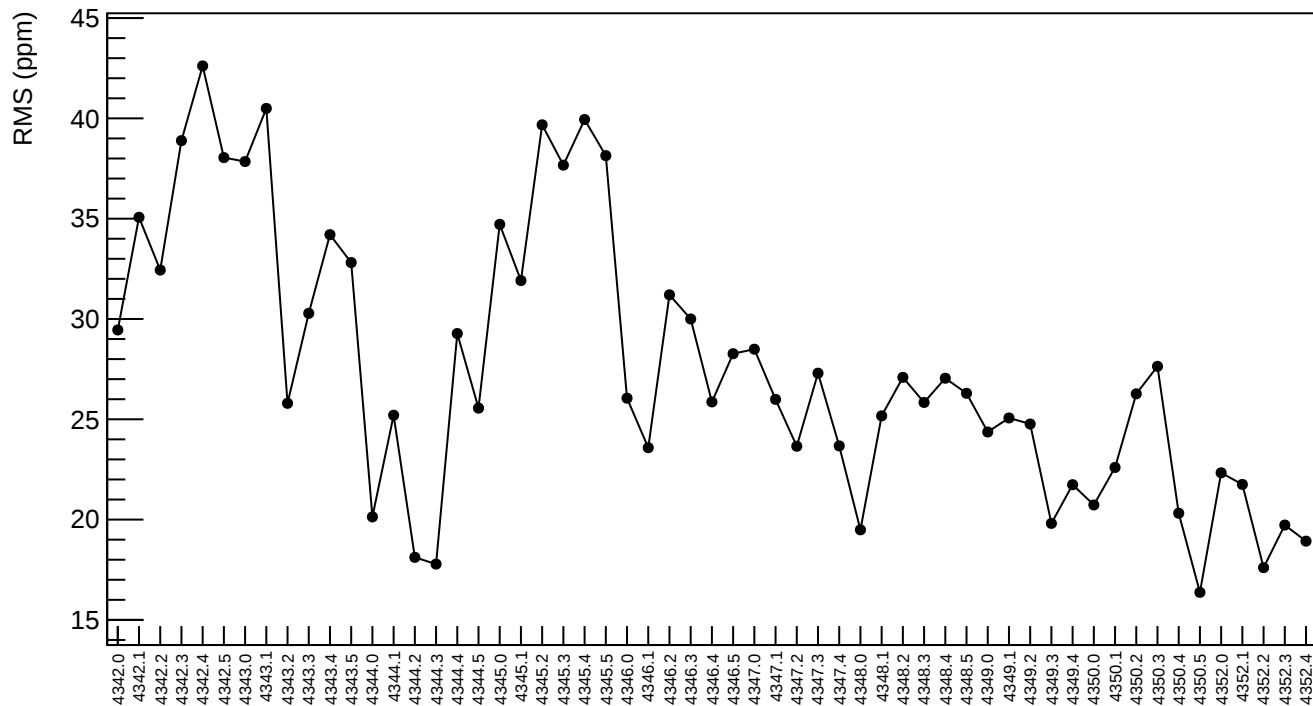
corr_Adet_bpm12Y (ppb)



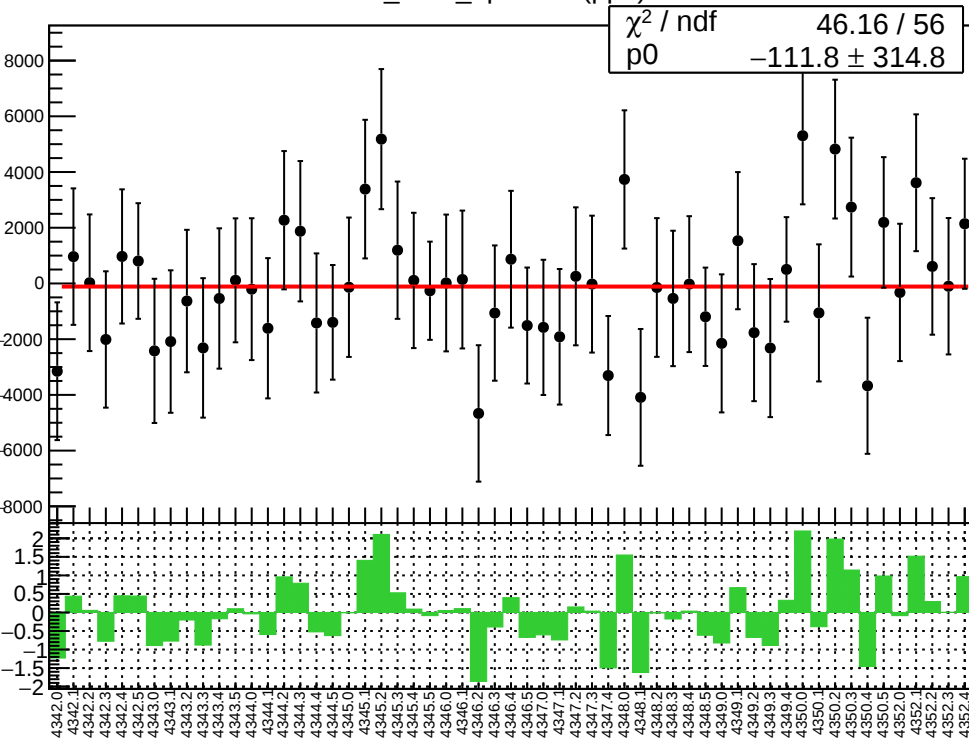
1D pull distribution



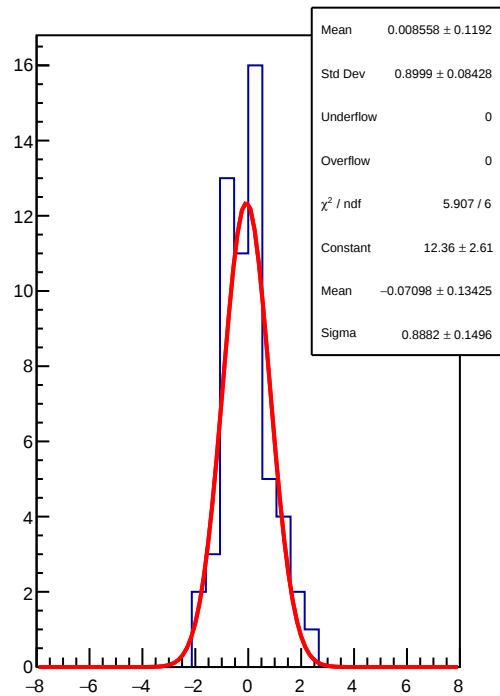
corr_Adet_bpm12Y RMS (ppm)



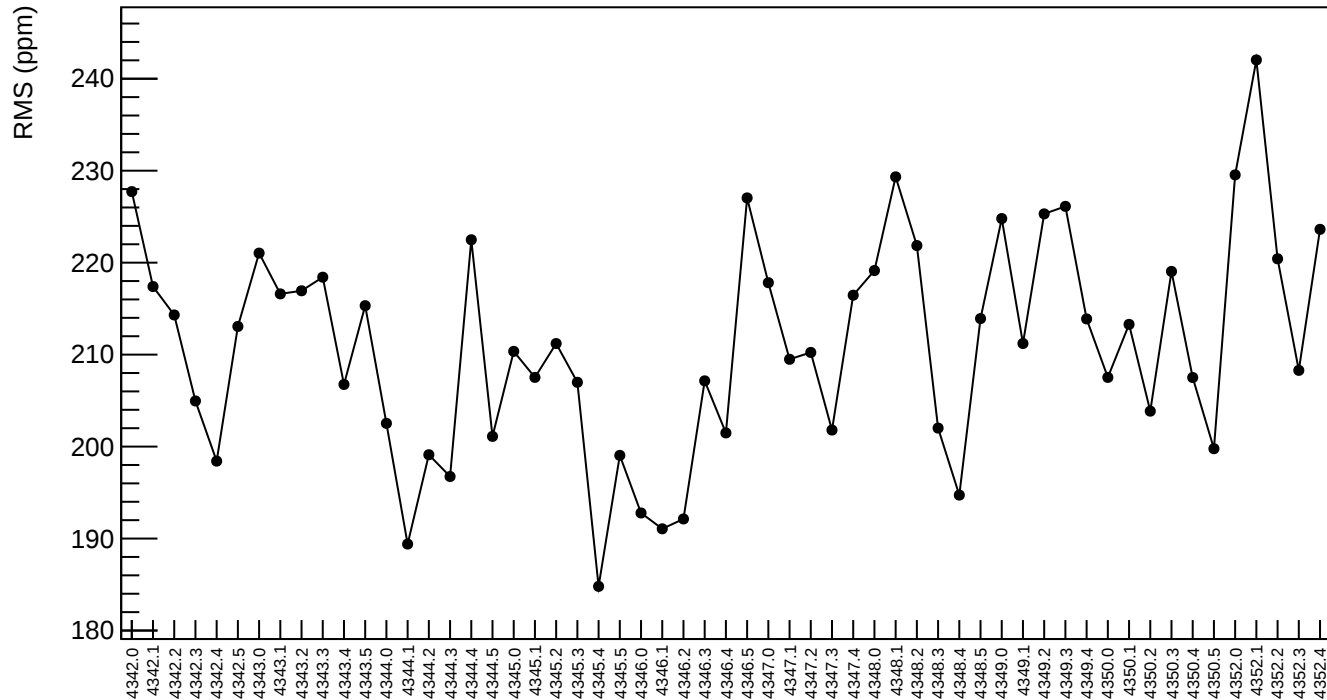
corr_Adet_bpm11X (ppb)



1D pull distribution



corr_Adet_bpm11X RMS (ppm)

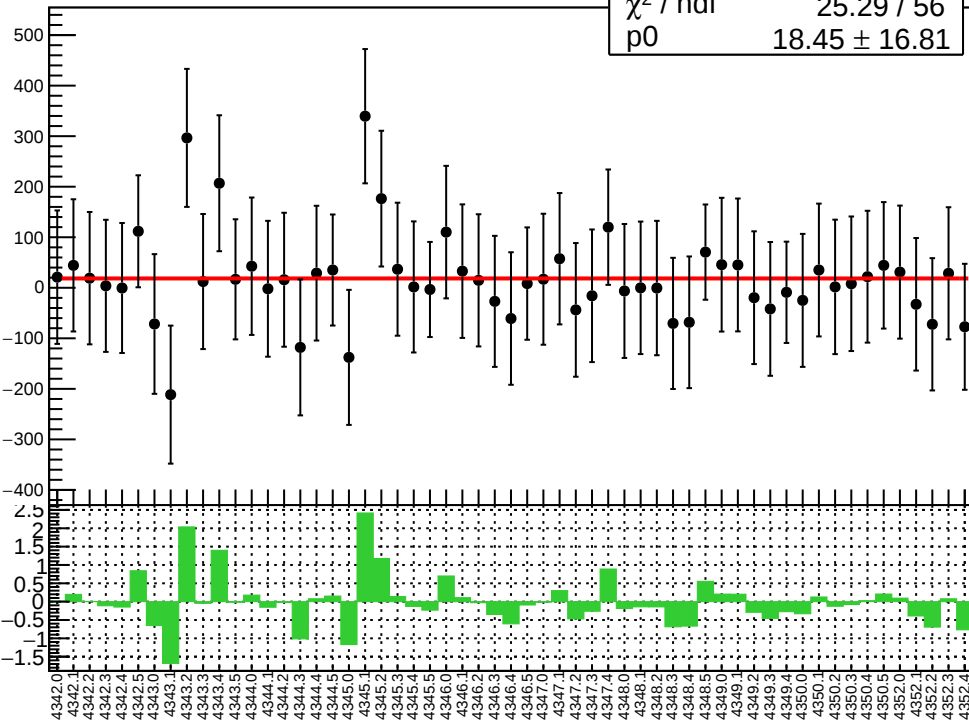


corr_Adet_bpm11Y (ppb)

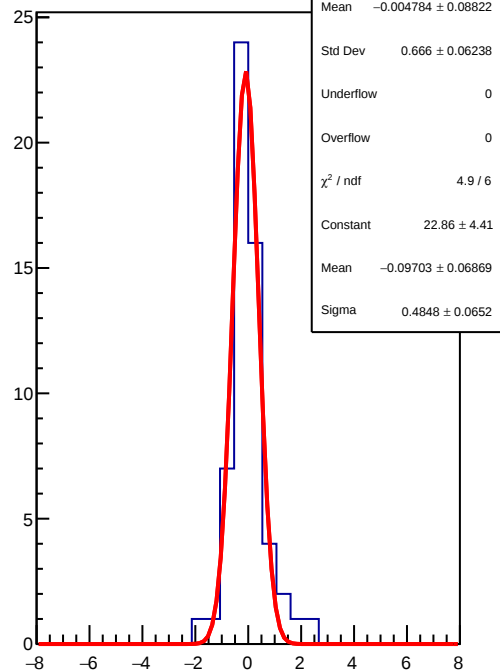
 χ^2 / ndf

25.29 / 56

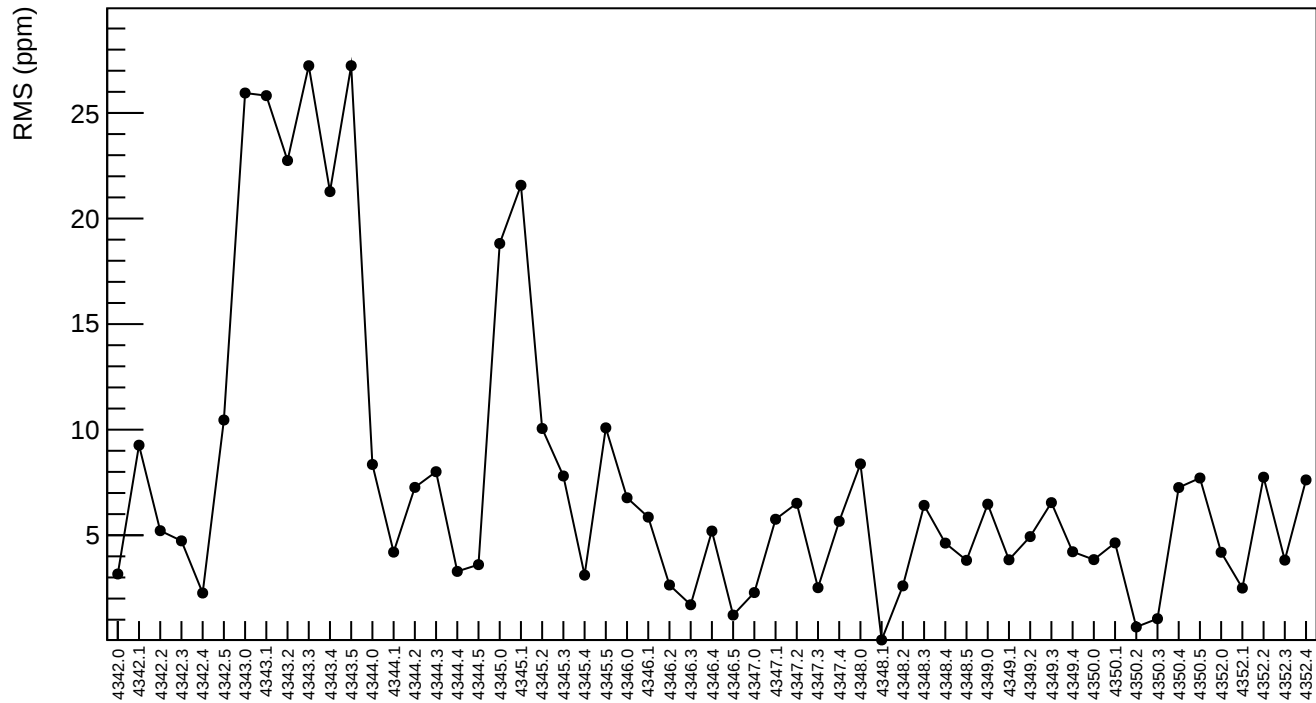
p0

 18.45 ± 16.81 

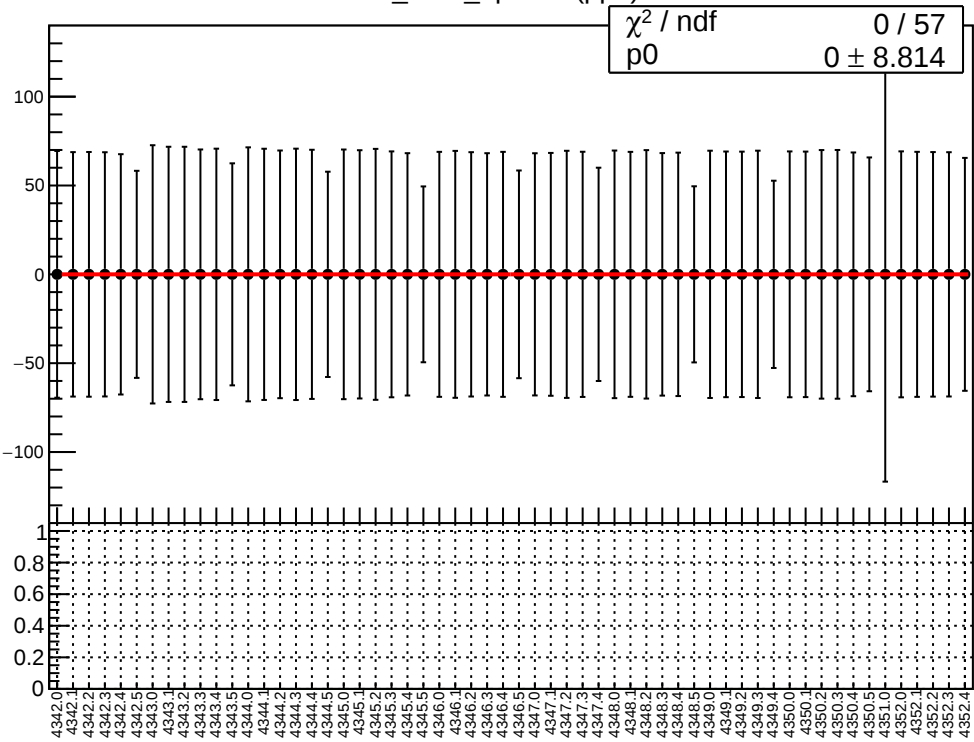
1D pull distribution



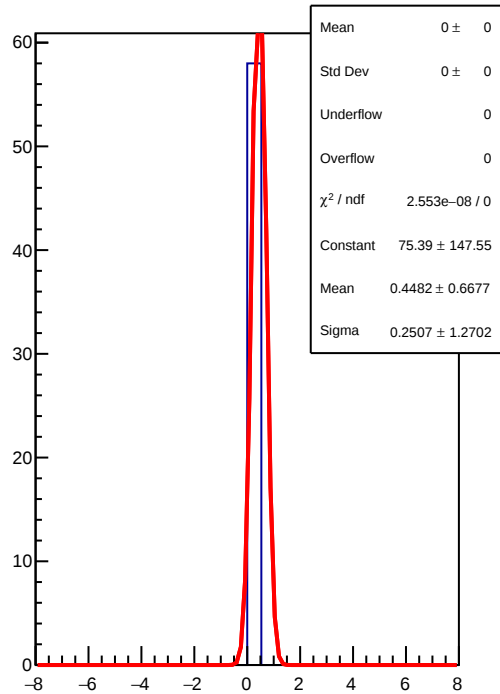
corr_Adet_bpm11Y RMS (ppm)



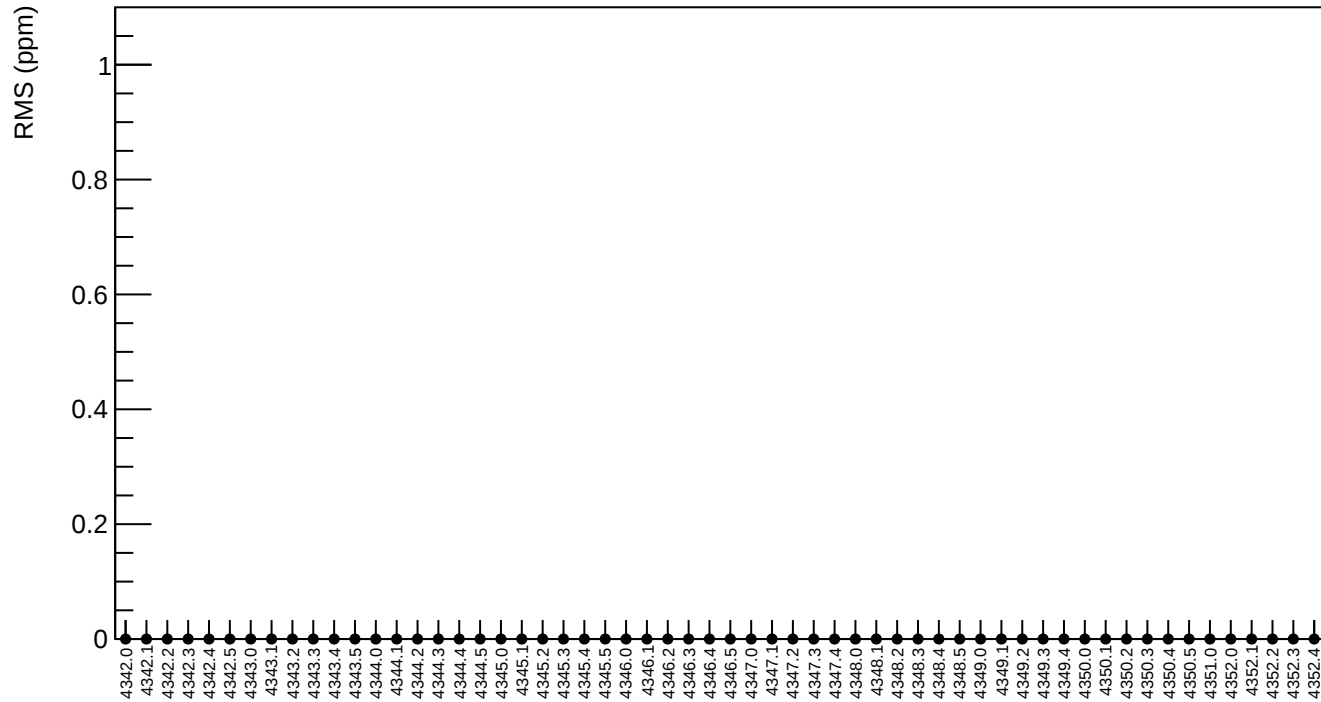
corr_Adet_bpm8X (ppb)



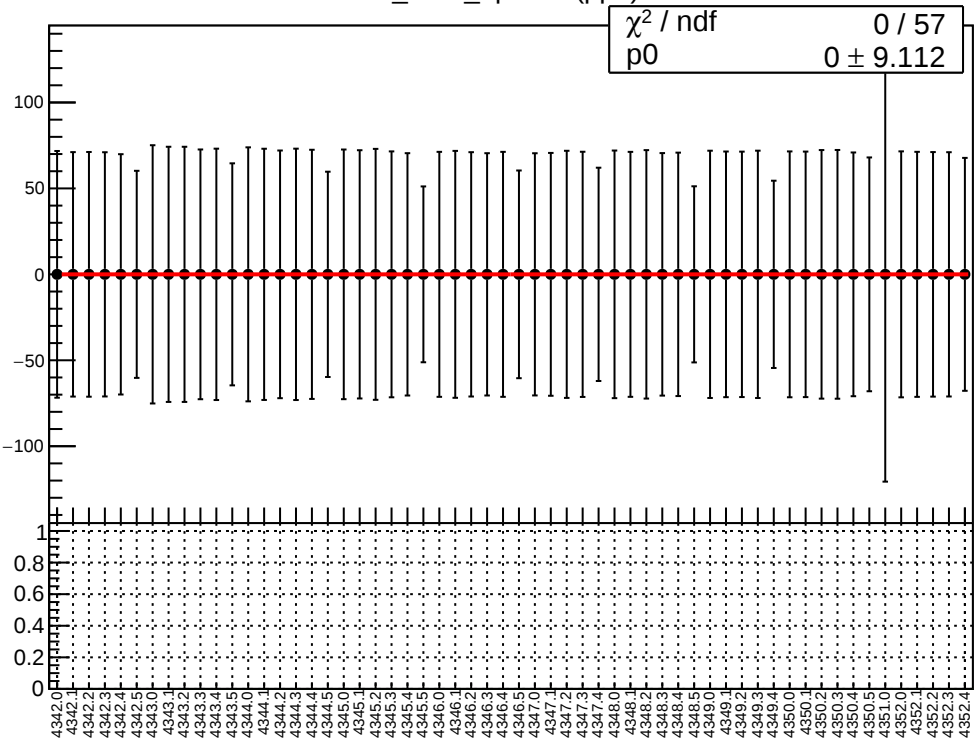
1D pull distribution



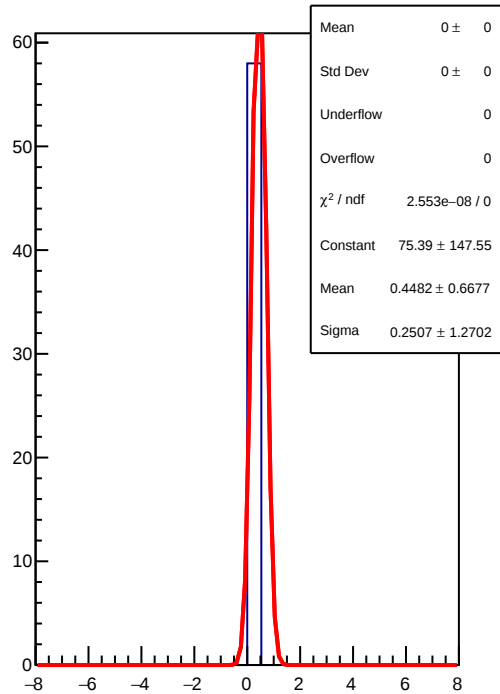
corr_Adet_bpm8X RMS (ppm)



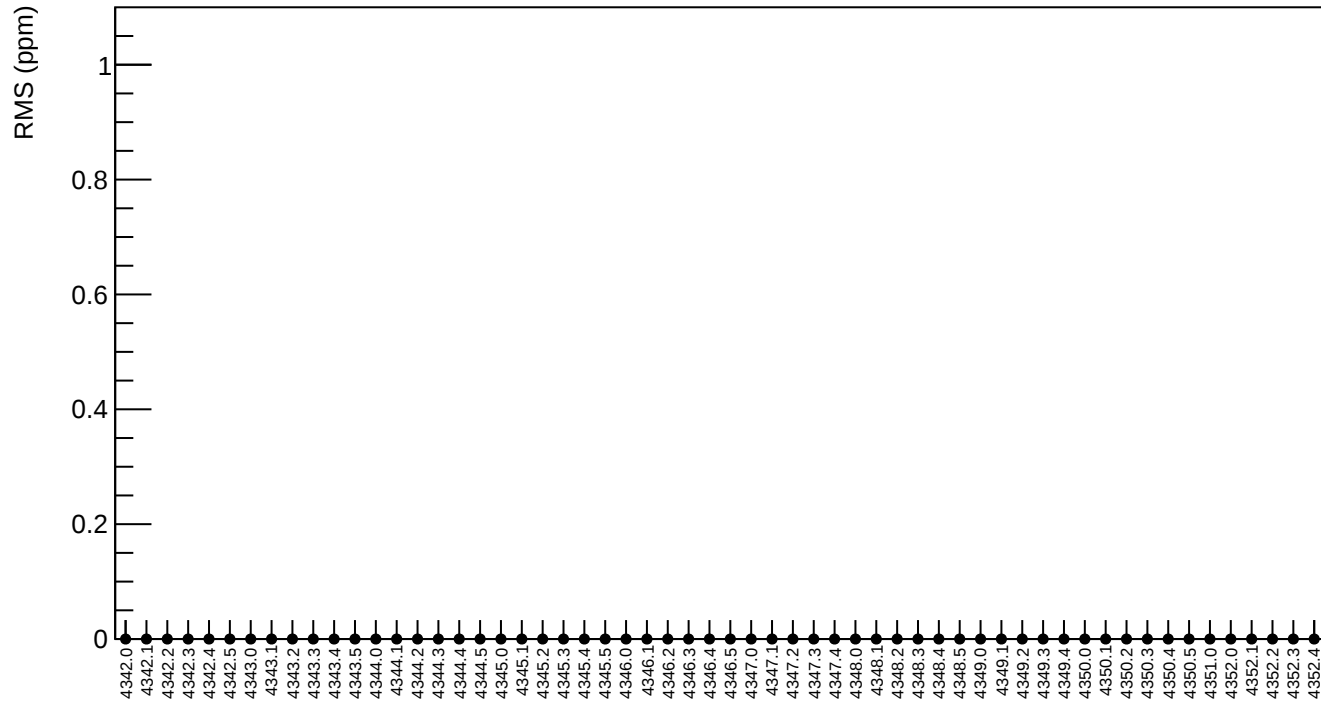
corr_Adet_bpm8Y (ppb)



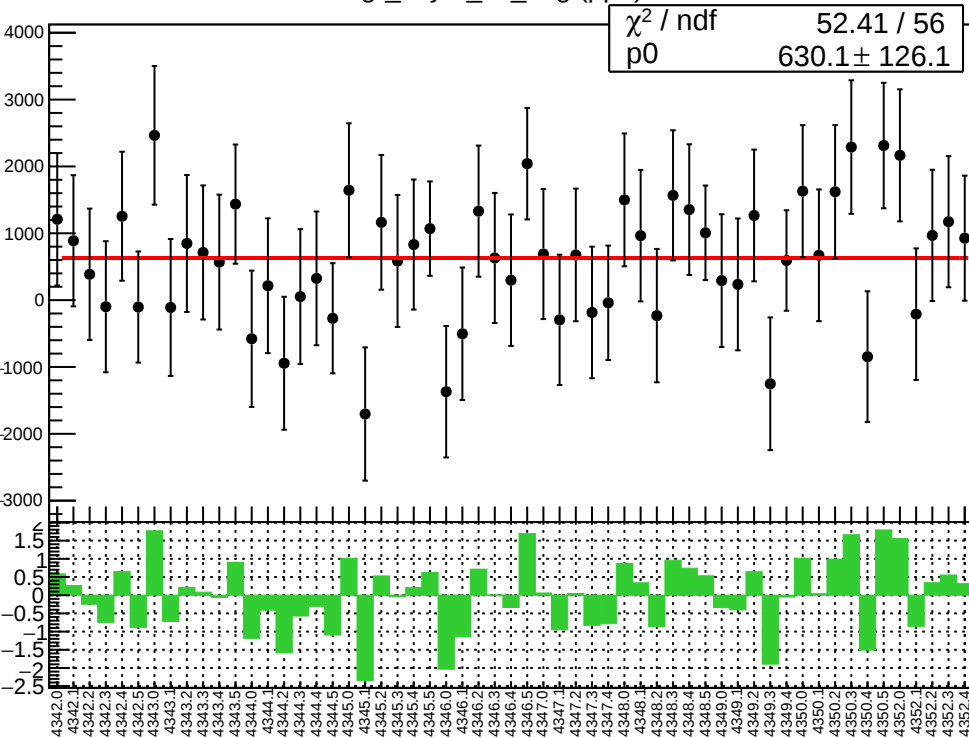
1D pull distribution



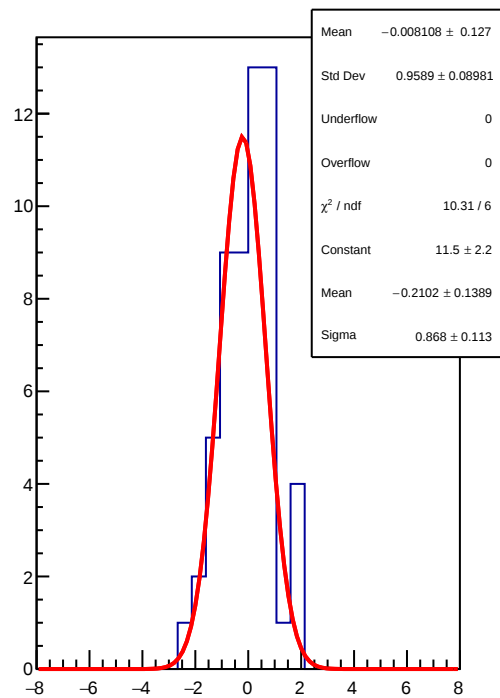
corr_Adet_bpm8Y RMS (ppm)



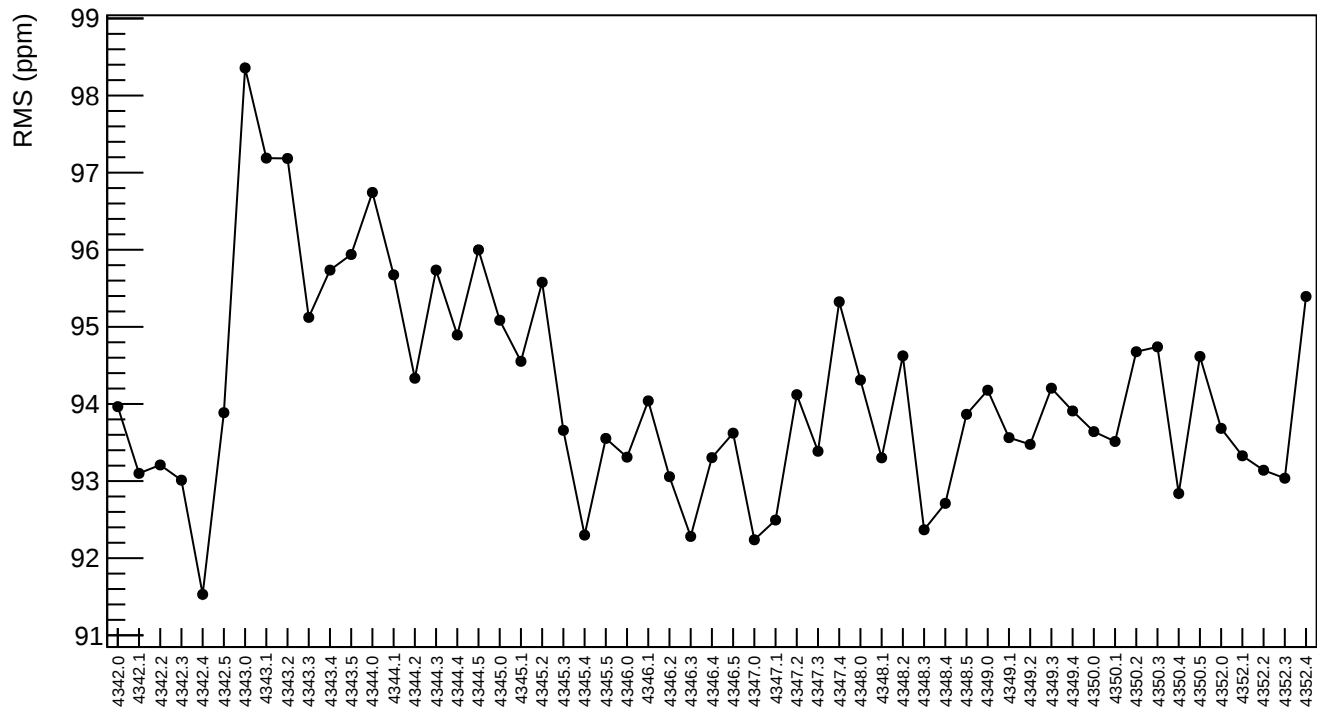
lagr_asym_us_avg (ppb)



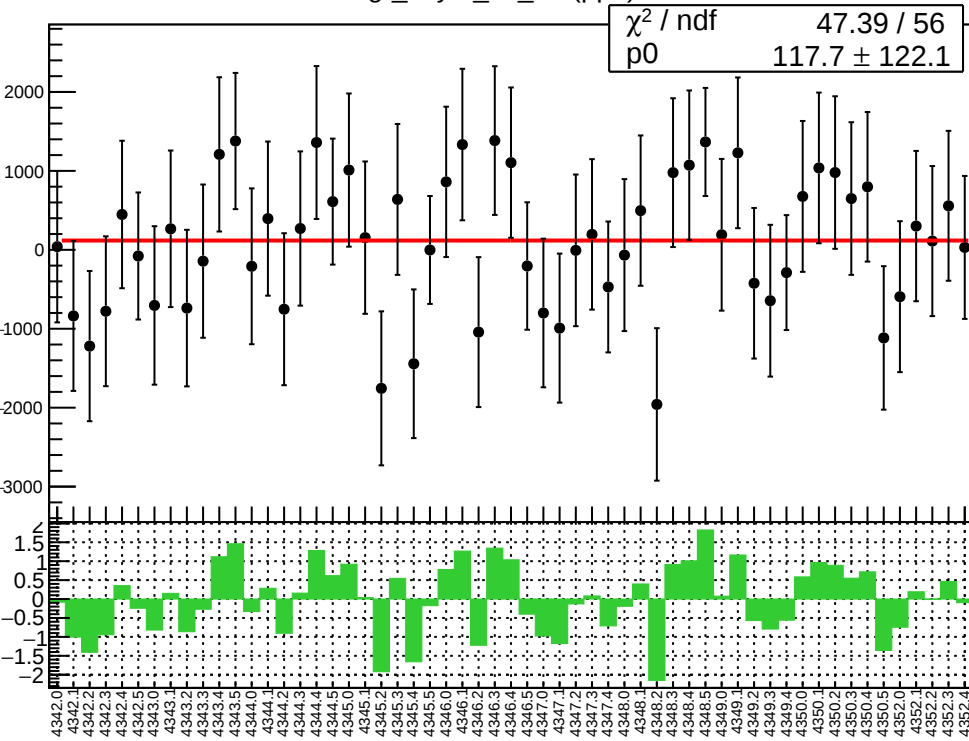
1D pull distribution



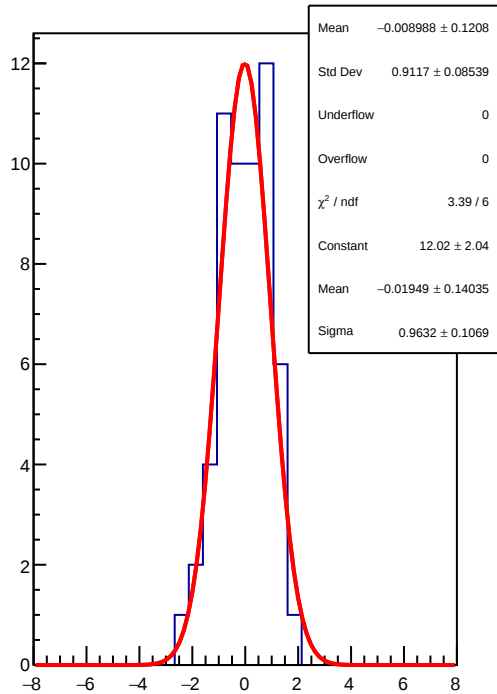
lagr_asym_us_avg RMS (ppm)



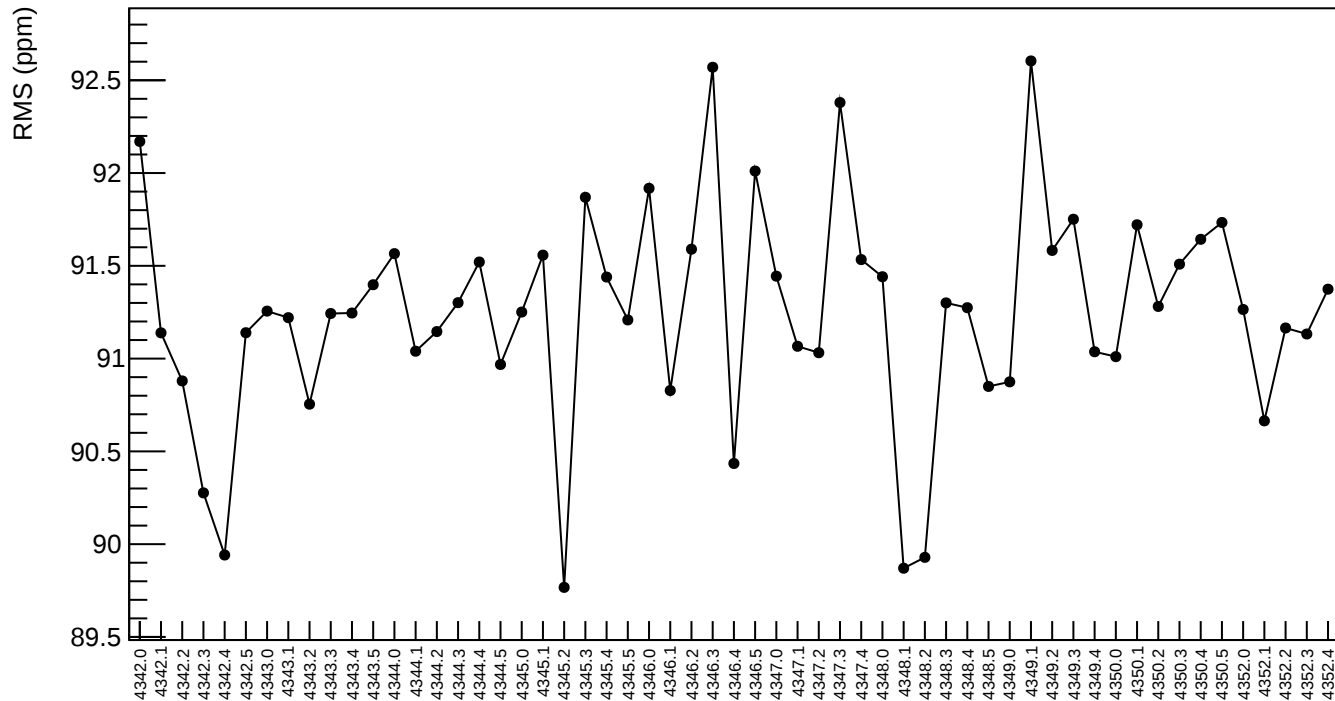
lagr_asym_us_dd (ppb)



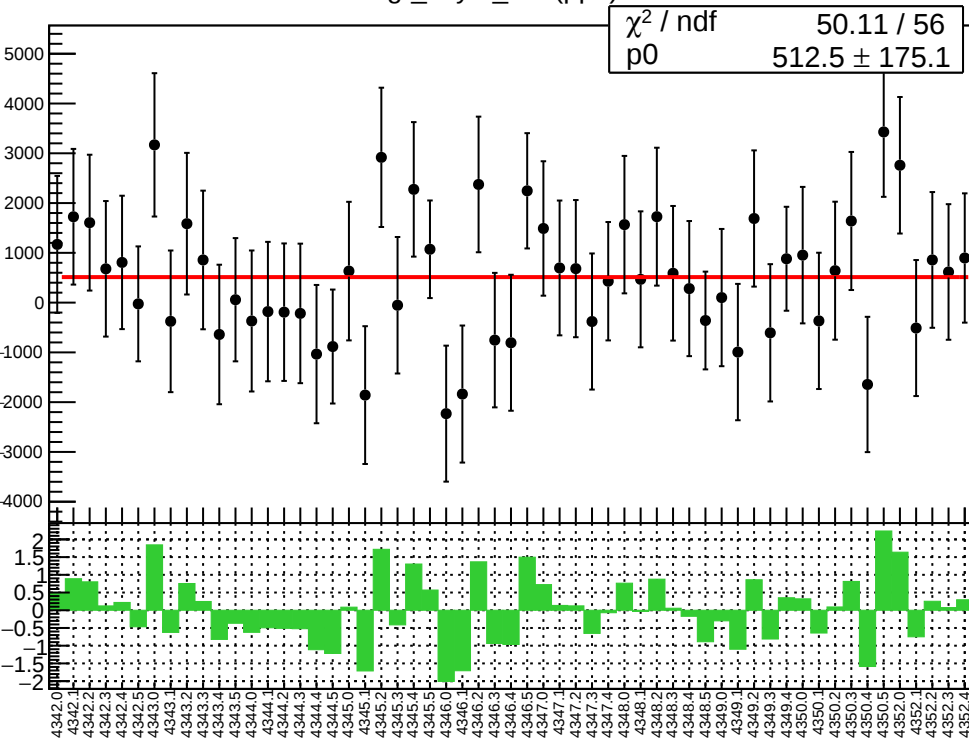
1D pull distribution



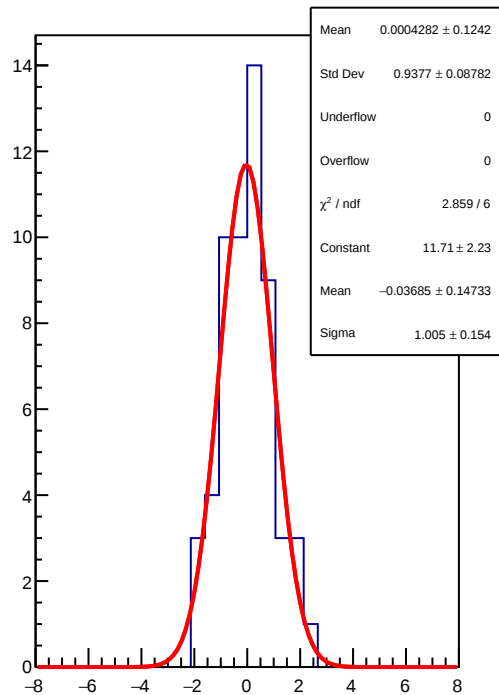
lagr_asym_us_dd RMS (ppm)



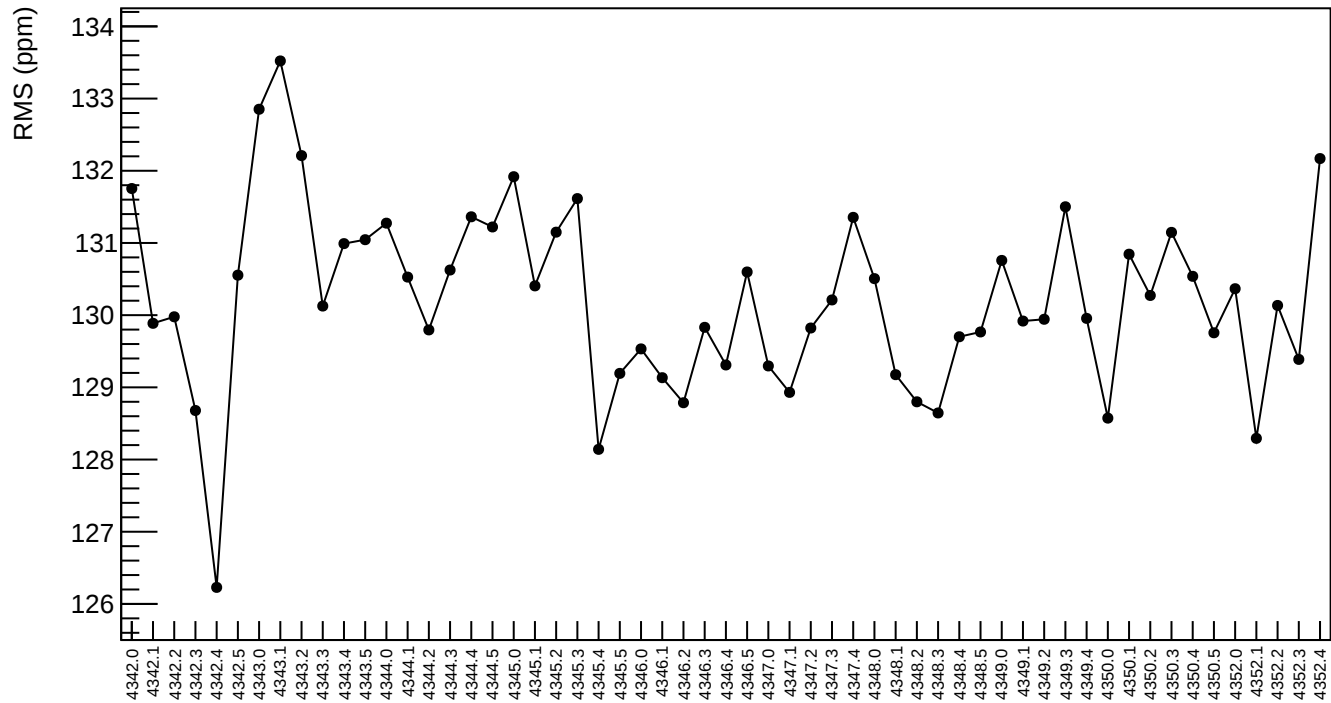
lagr_asym_usr (ppb)



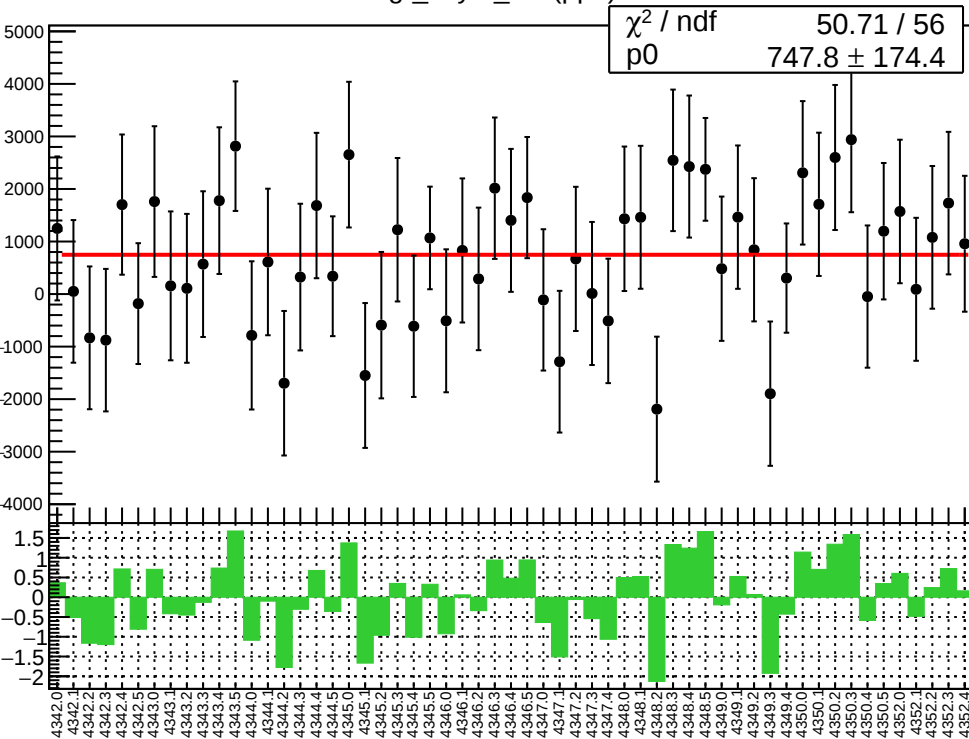
1D pull distribution



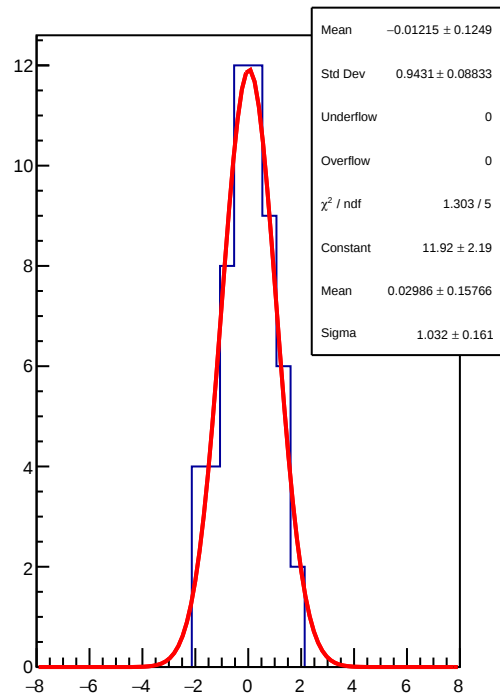
lagr_asym_usr RMS (ppm)



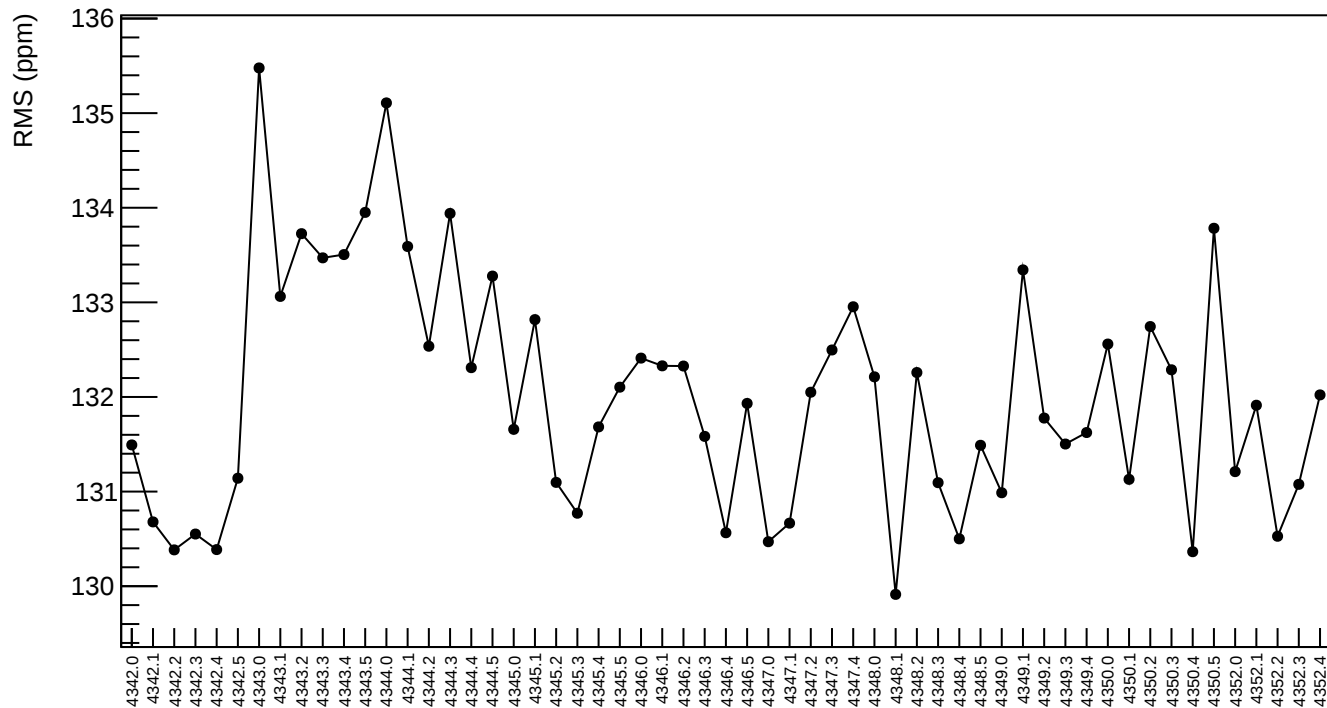
lagr_asym_usl (ppb)



1D pull distribution



lagr_asym_usl RMS (ppm)

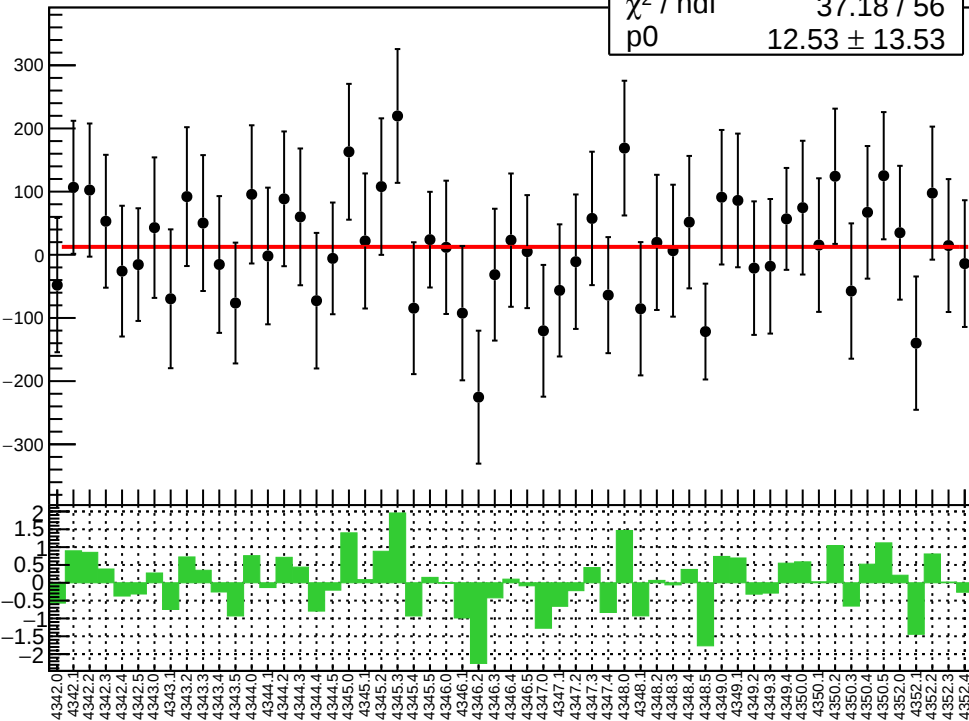


diff_bpm4eX (nm)

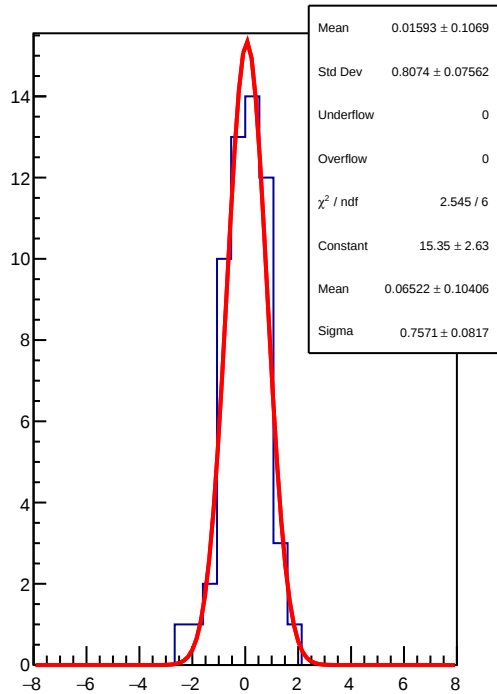
 χ^2 / nfd

37.18 / 56

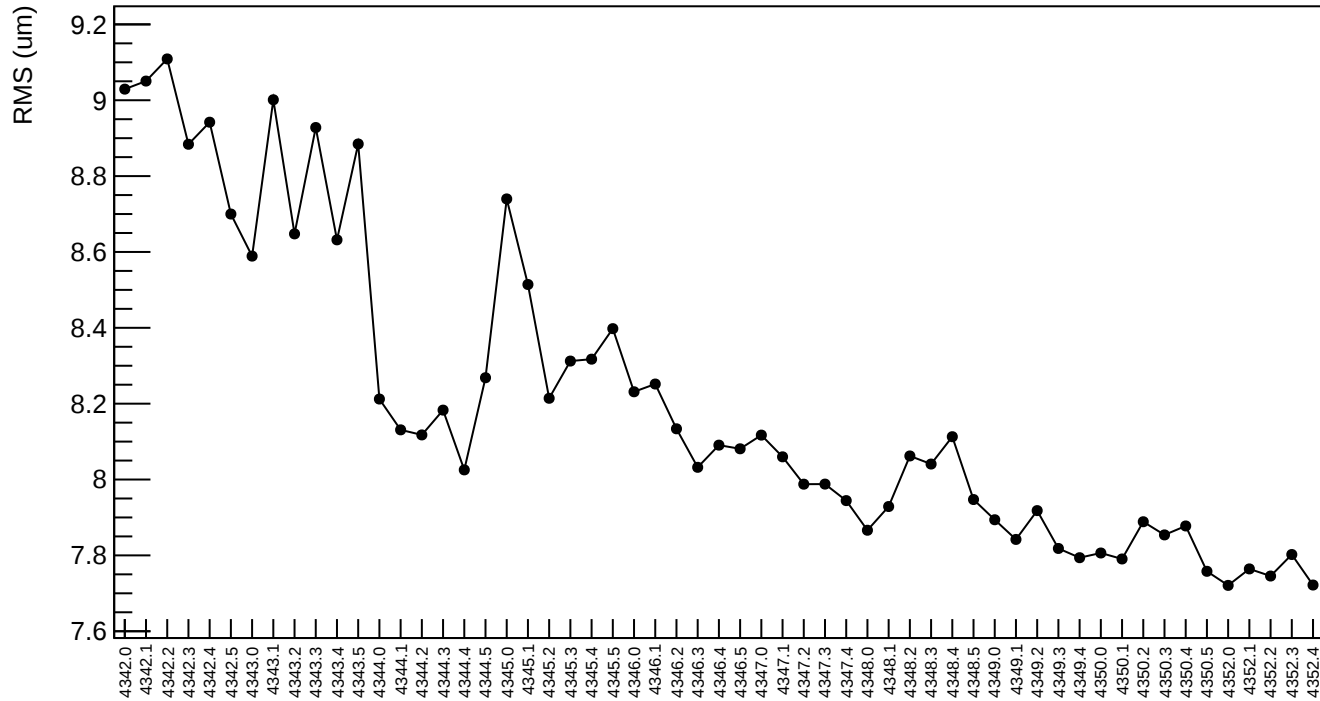
p0

 12.53 ± 13.53 

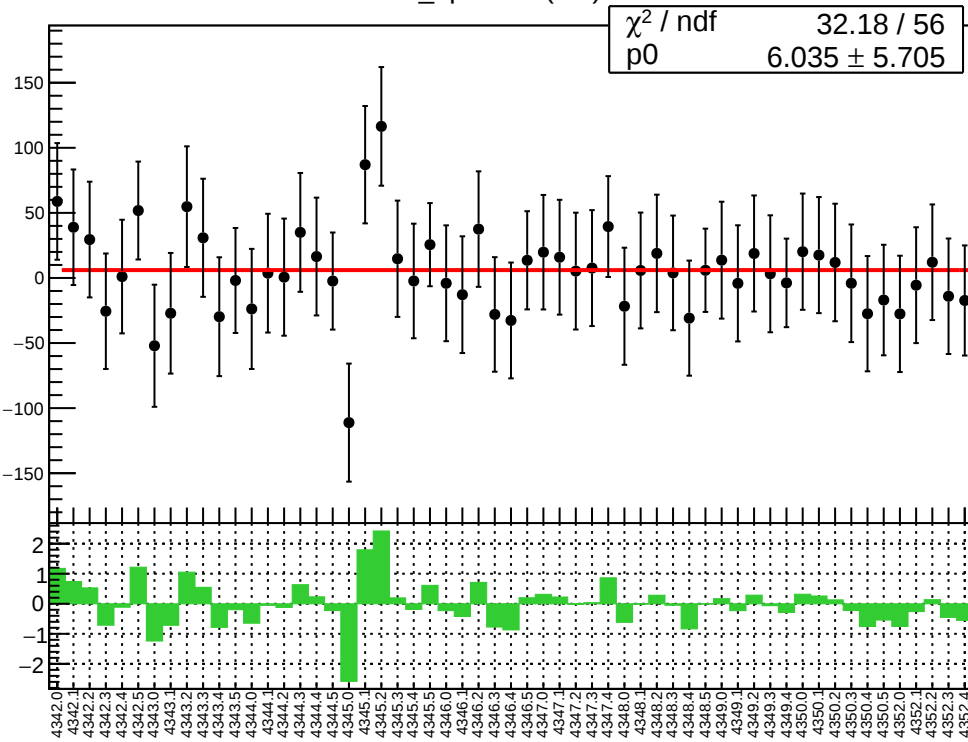
1D pull distribution



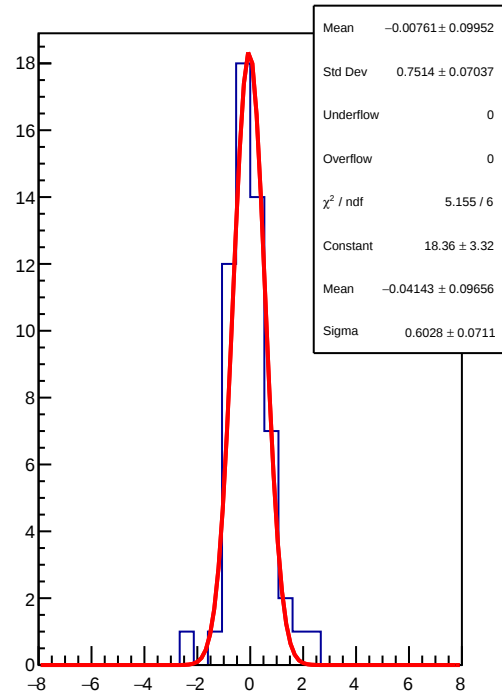
diff_bpm4eX RMS (um)



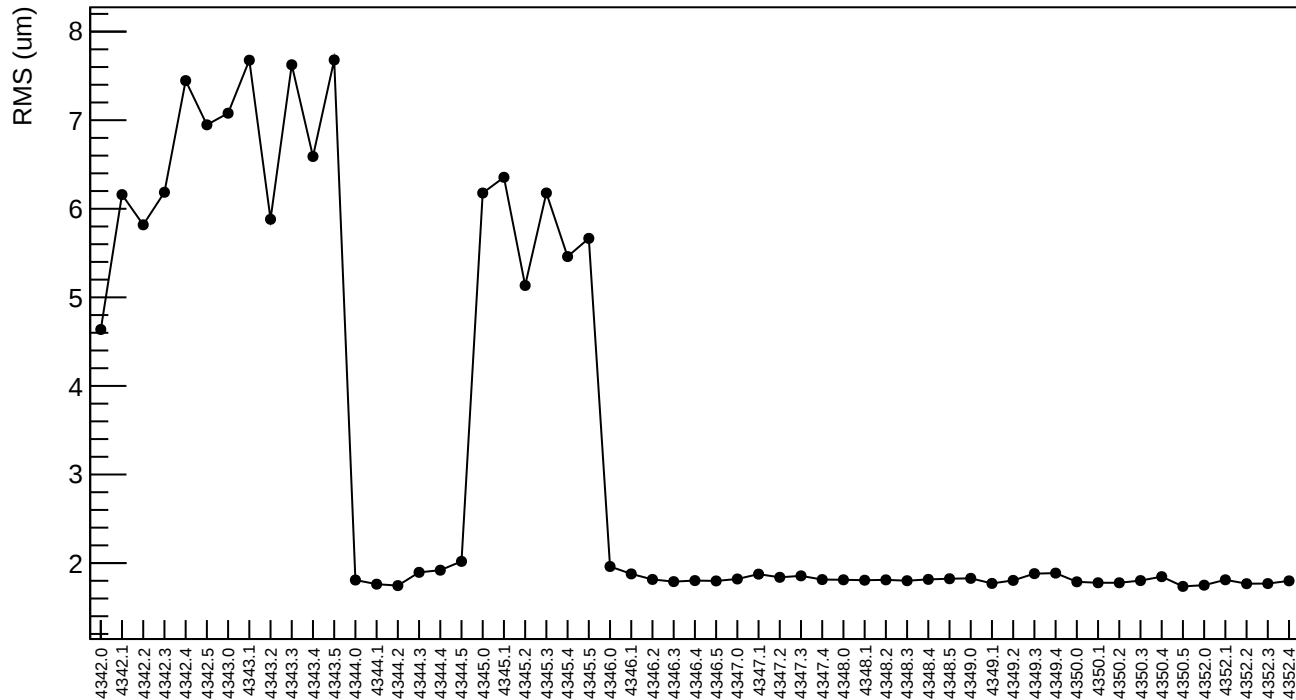
diff_bpm4eY (nm)



1D pull distribution



diff_bpm4eY RMS (um)

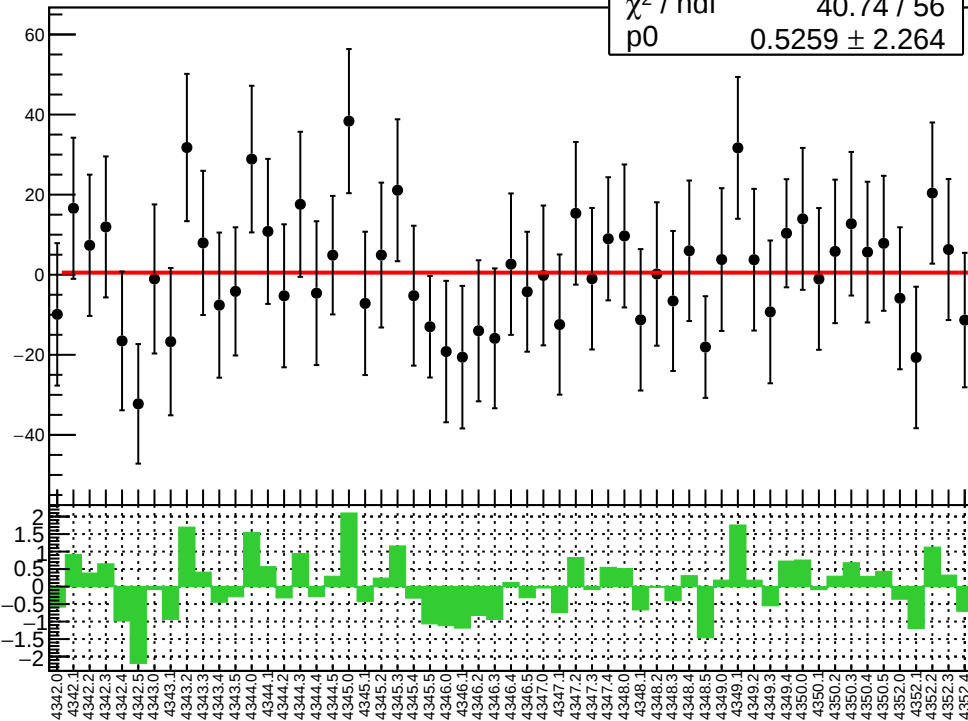


diff_bpm4aX (nm)

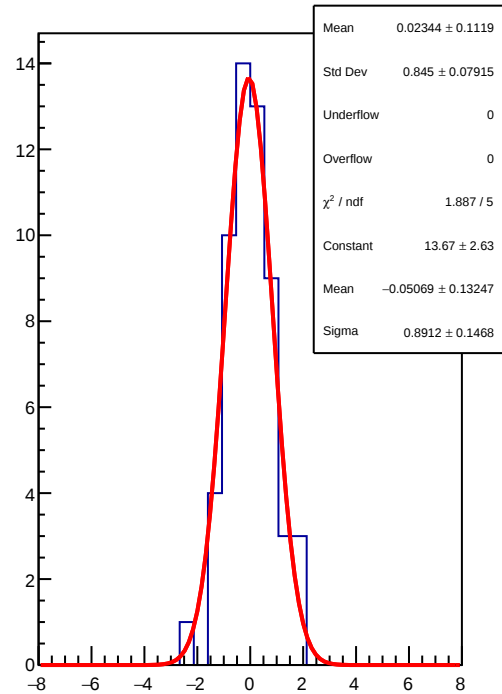
 χ^2 / nfd

40.74 / 56

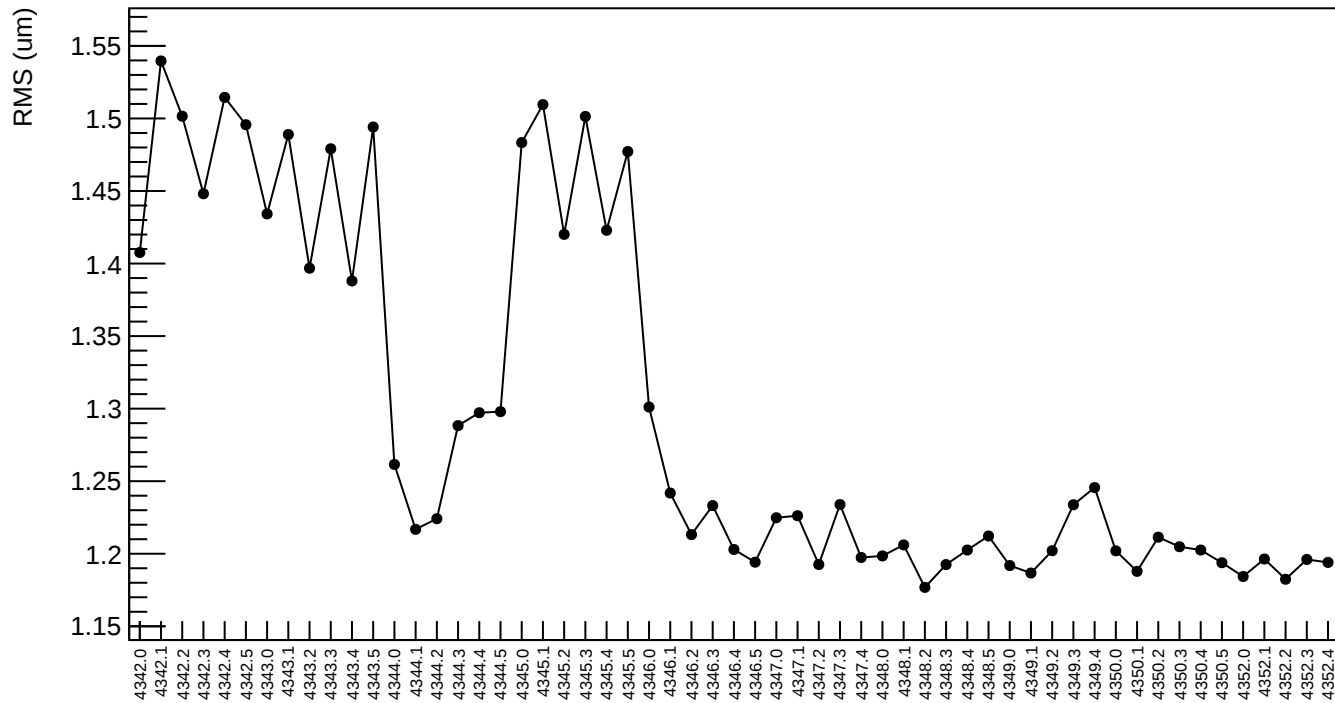
p0

 0.5259 ± 2.264 

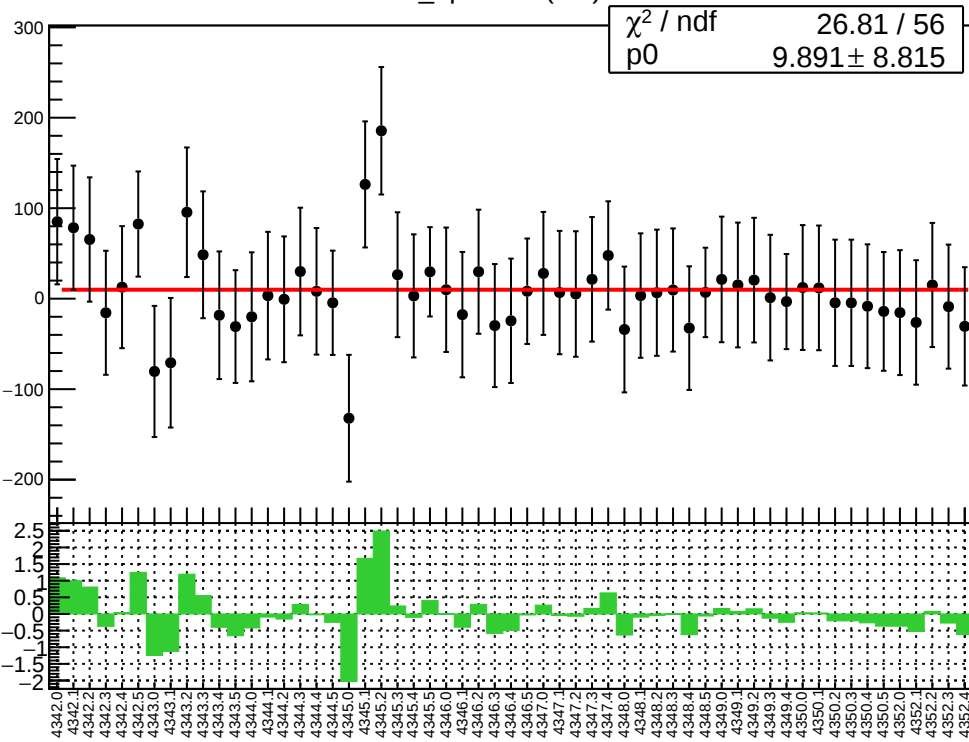
1D pull distribution



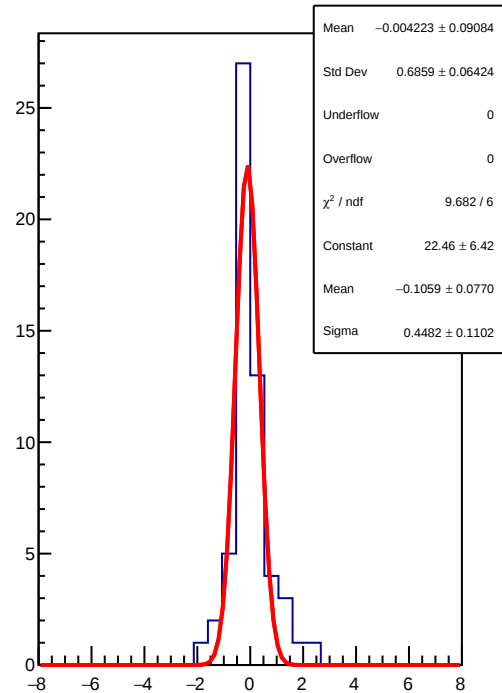
diff_bpm4aX RMS (um)



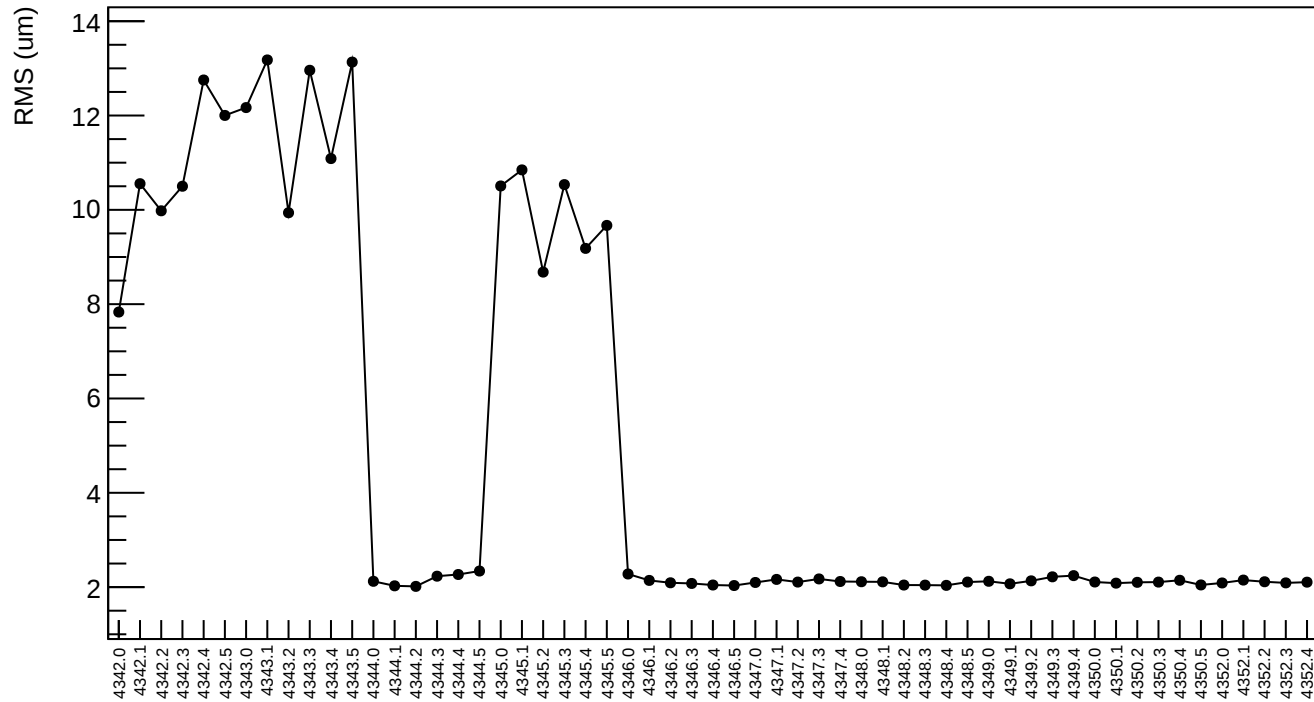
diff_bpm4aY (nm)



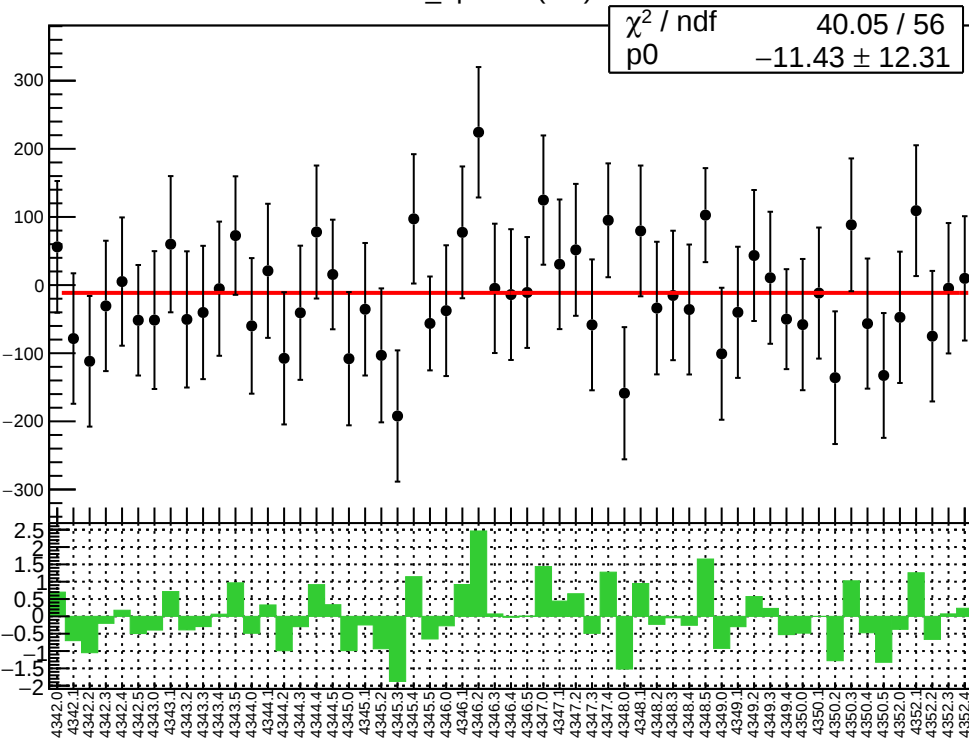
1D pull distribution



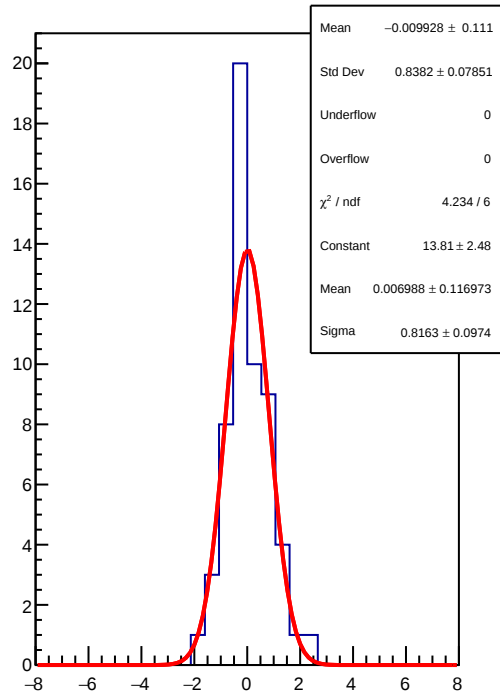
diff_bpm4aY RMS (um)



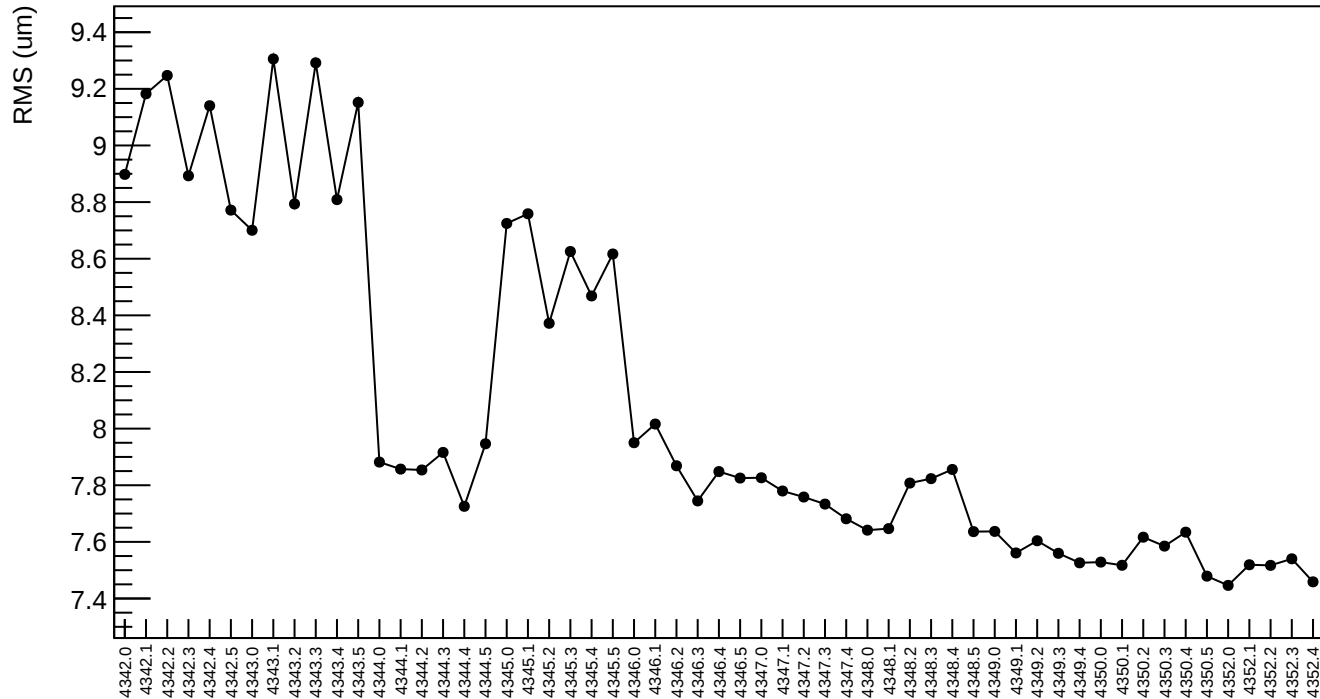
diff_bpm1X (nm)



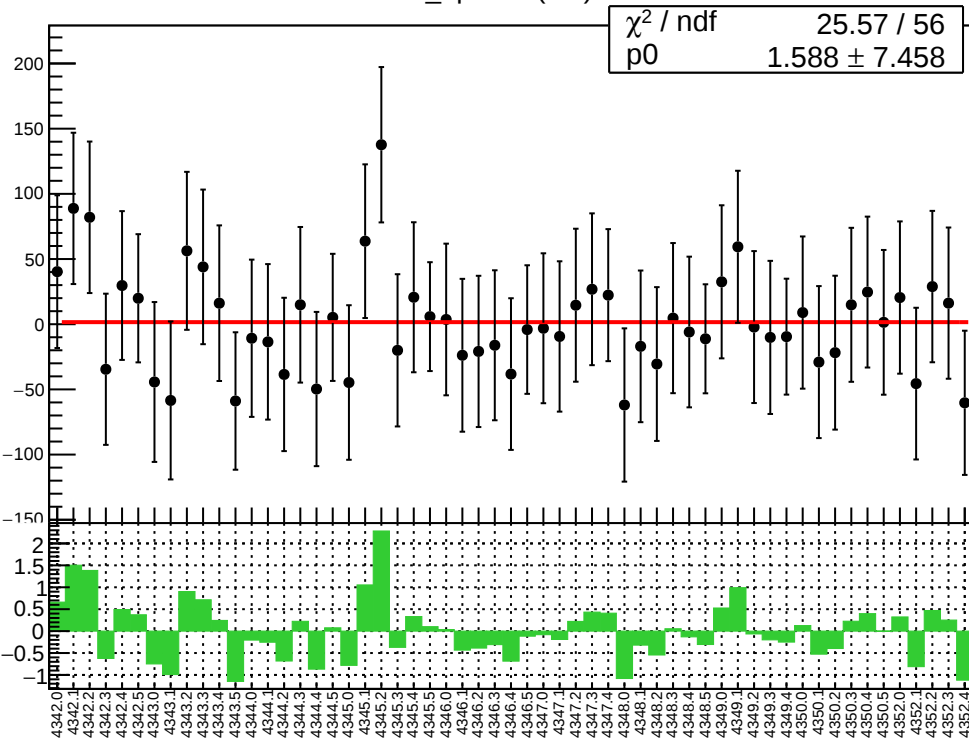
1D pull distribution



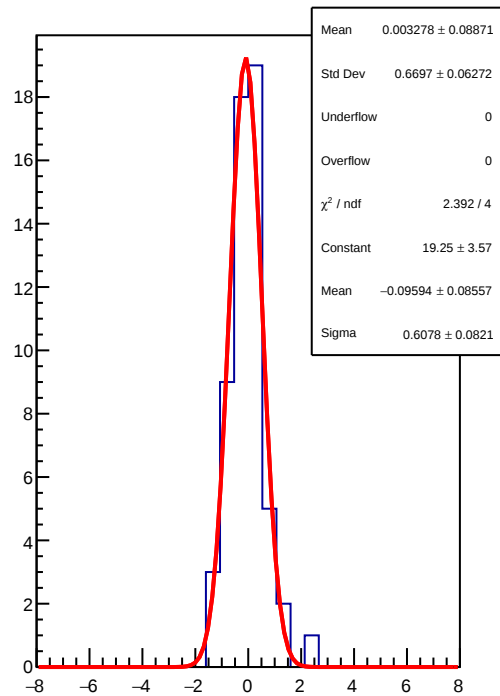
diff_bpm1X RMS (um)



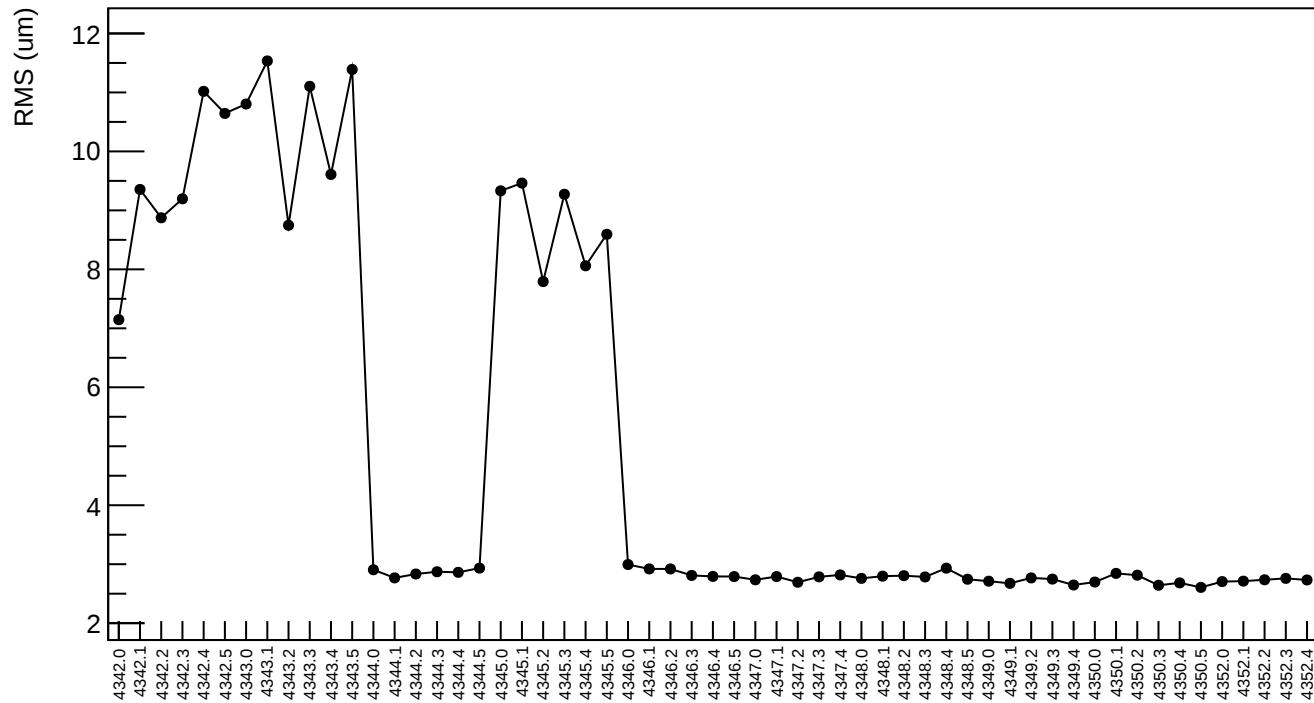
diff_bpm1Y (nm)



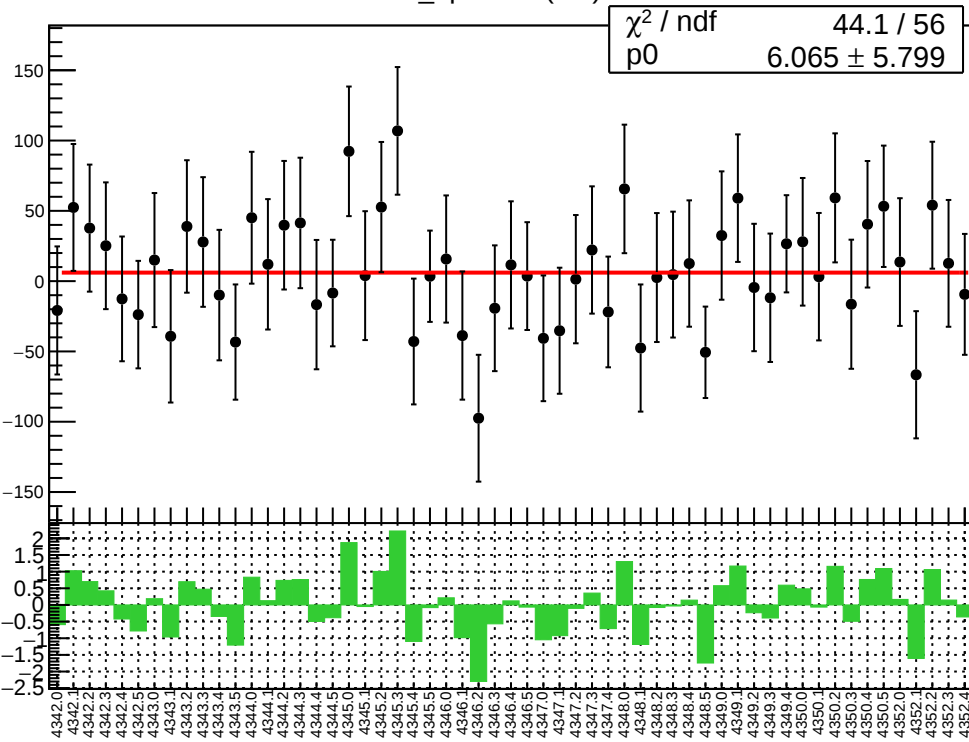
1D pull distribution



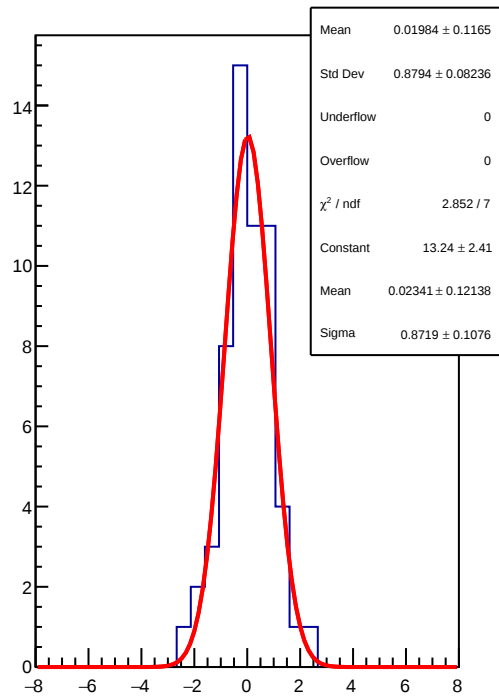
diff_bpm1Y RMS (um)



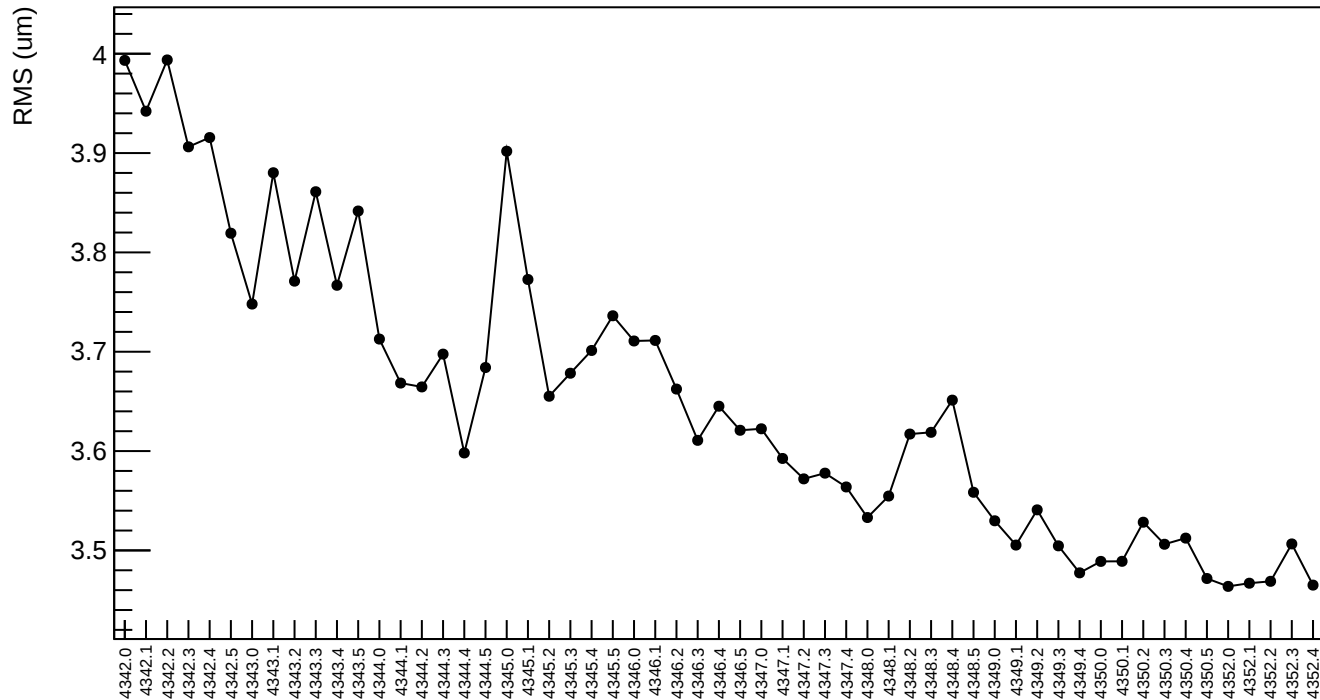
diff_bpm16X (nm)



1D pull distribution



diff_bpm16X RMS (um)

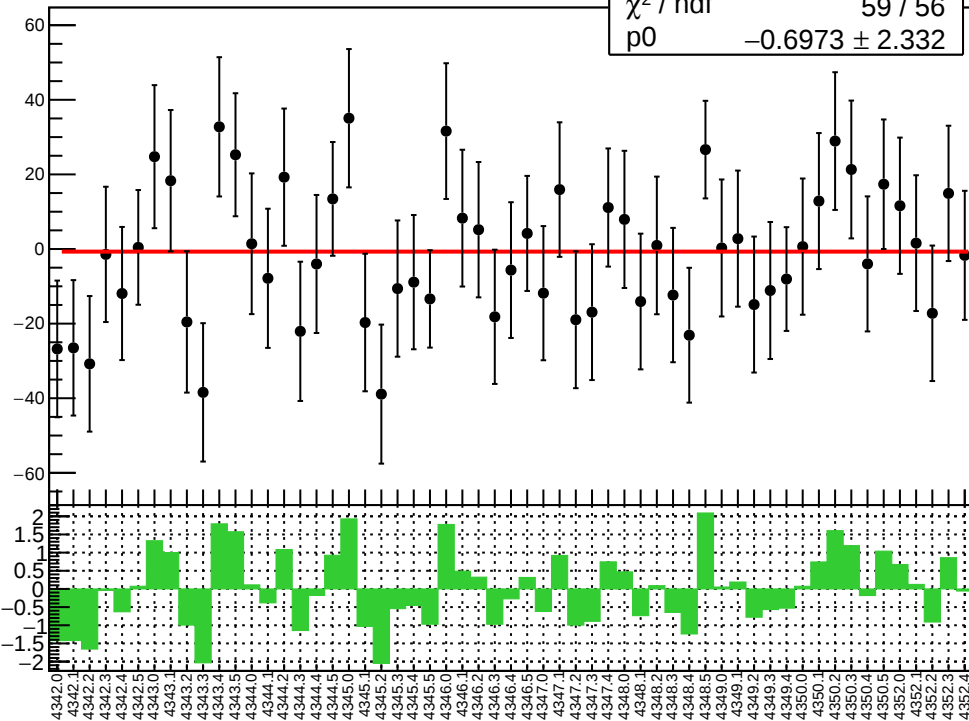


diff_bpm16Y (nm)

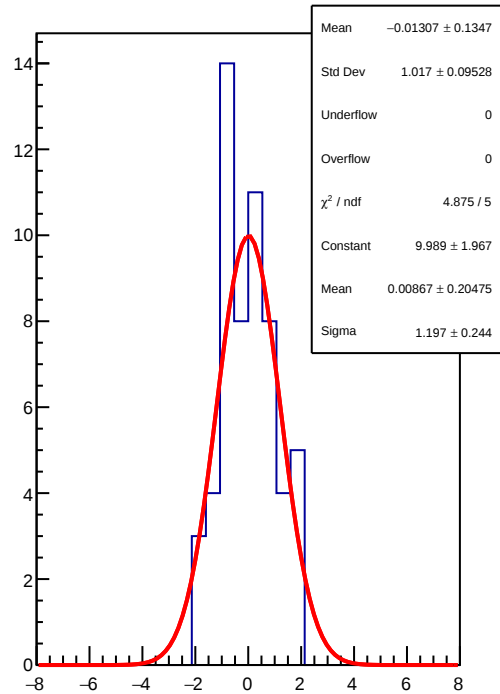
 χ^2 / ndf

59 / 56

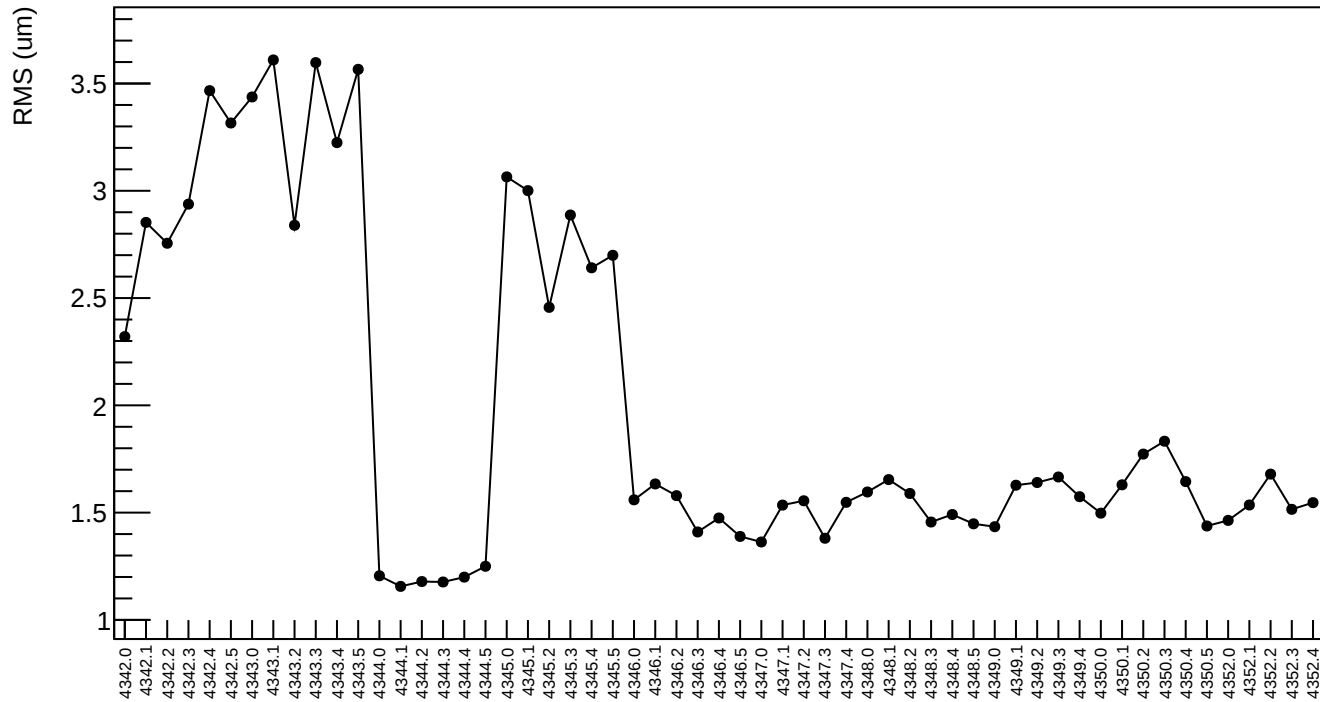
p0

 -0.6973 ± 2.332 

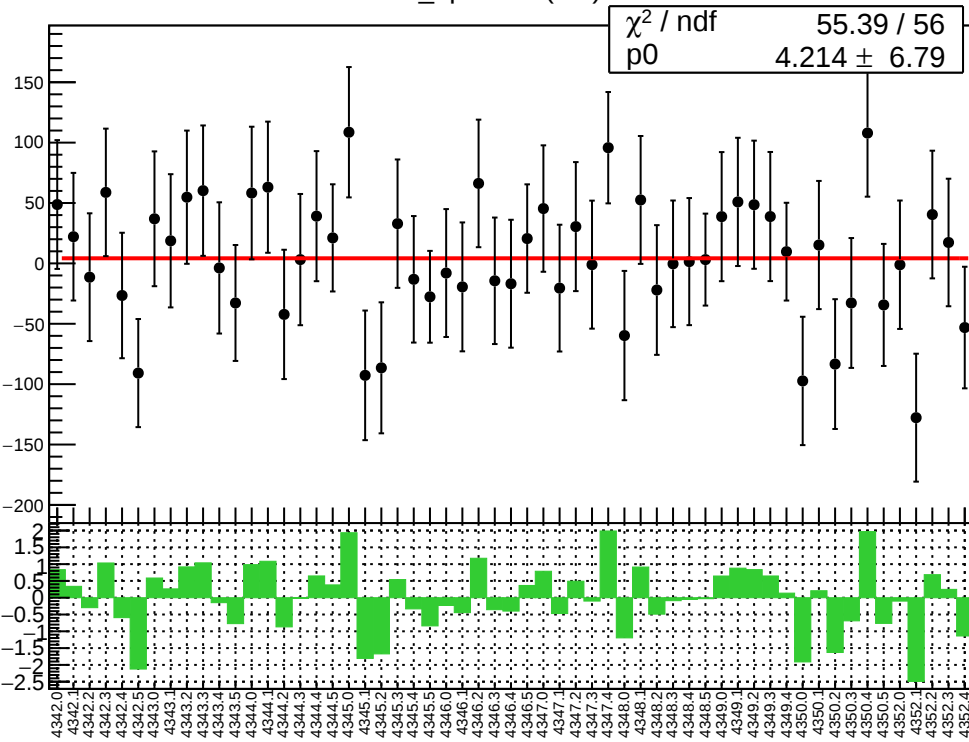
1D pull distribution



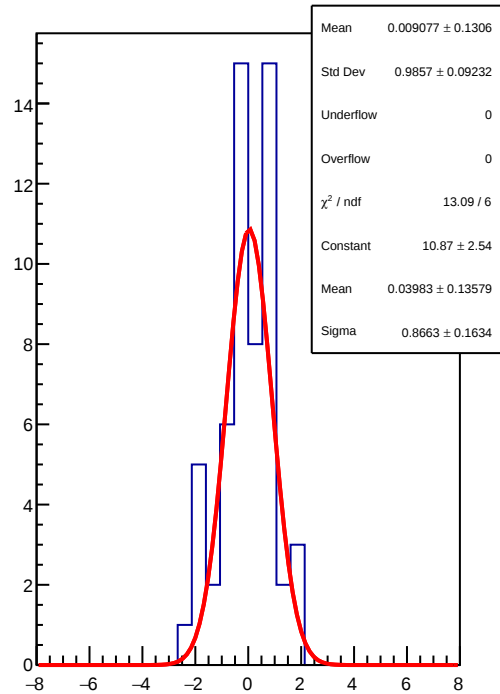
diff_bpm16Y RMS (um)



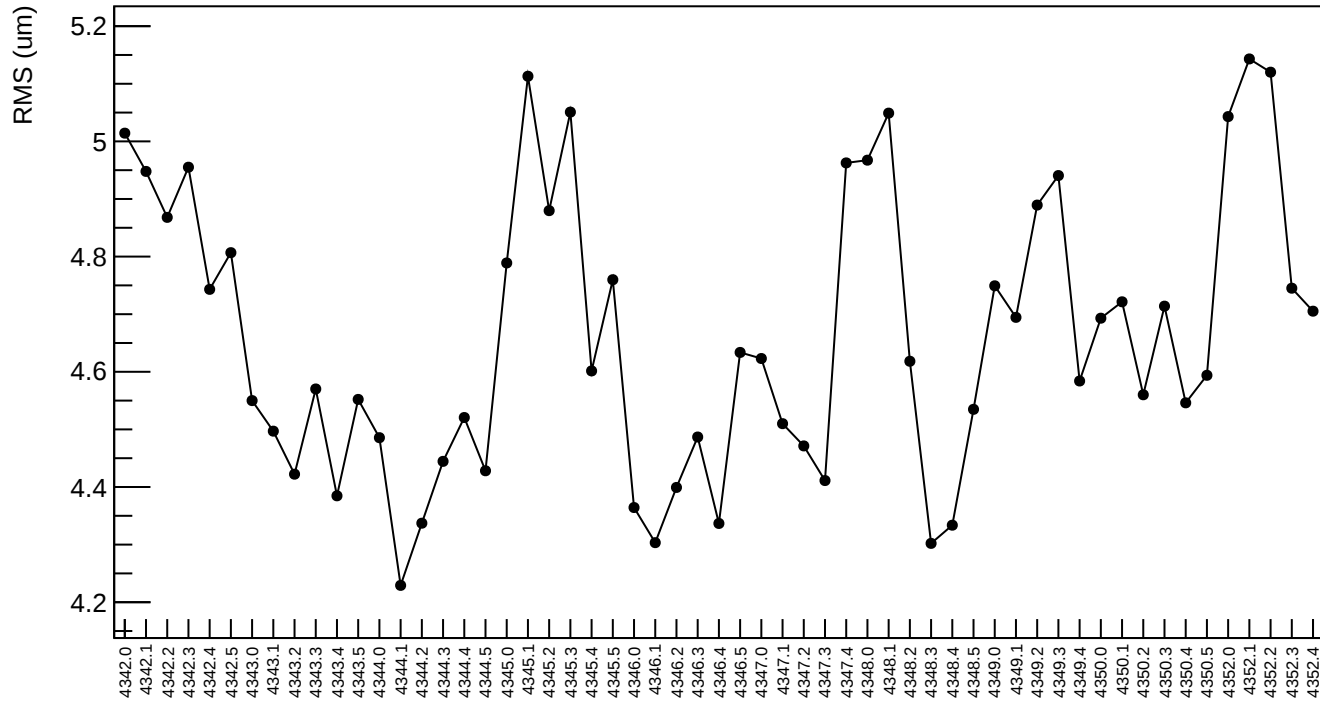
diff_bpm12X (nm)



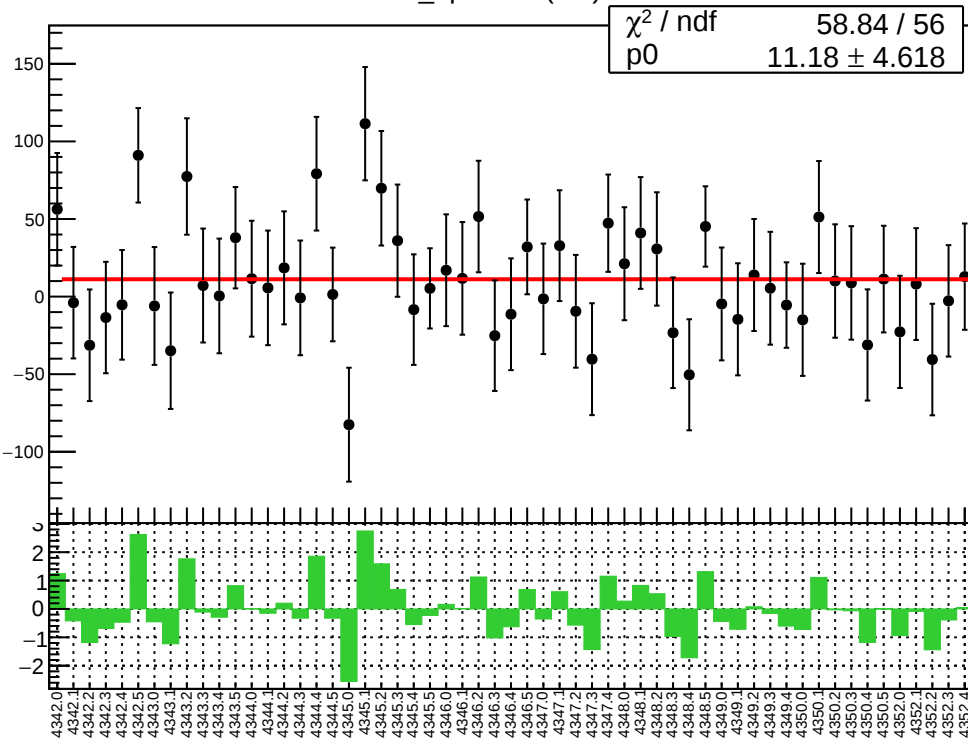
1D pull distribution



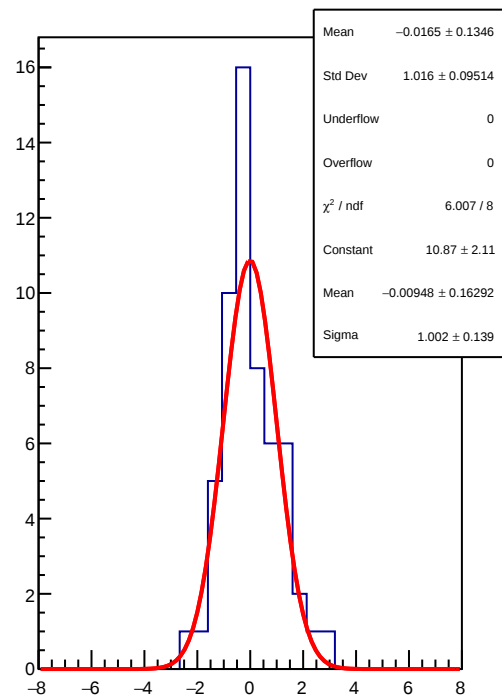
diff_bpm12X RMS (um)



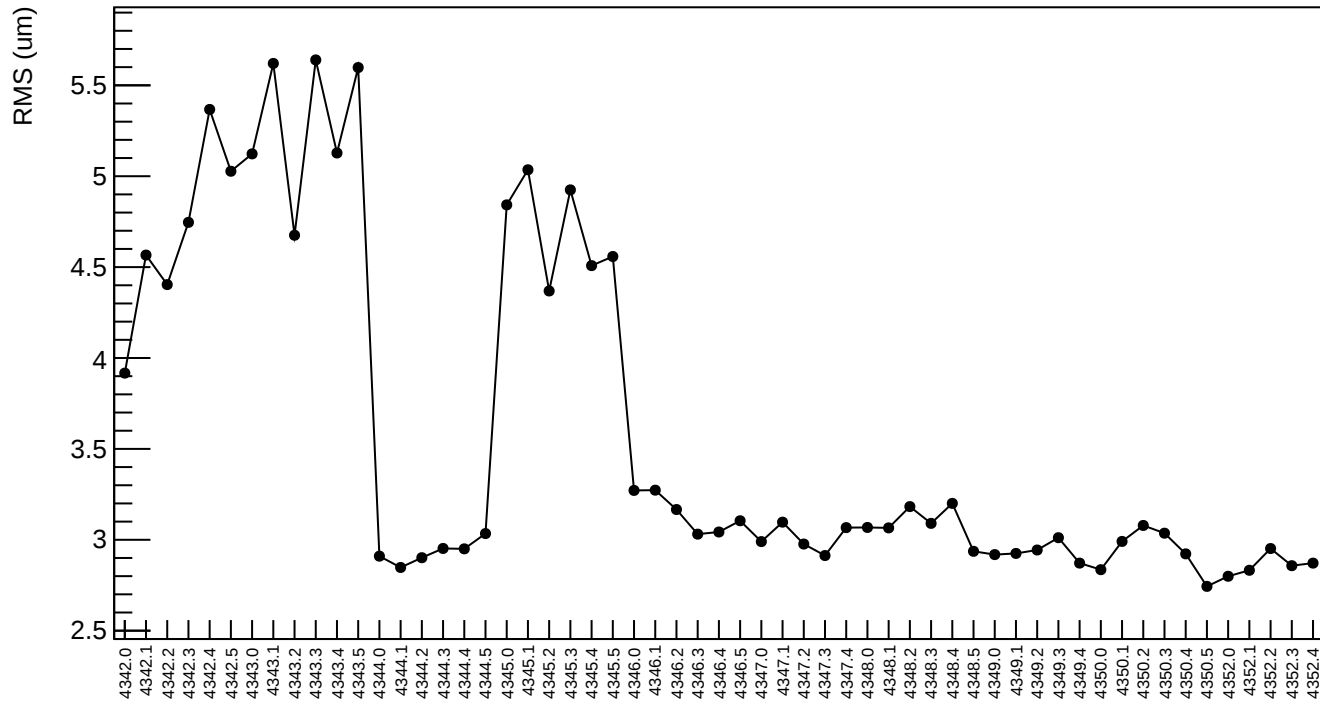
diff_bpm12Y (nm)



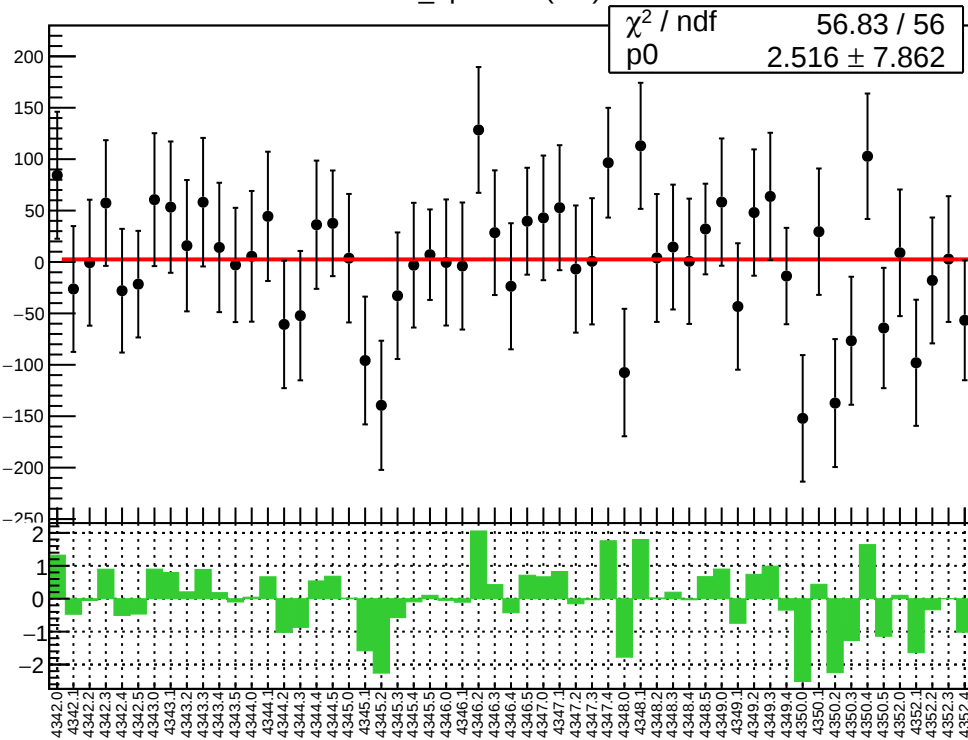
1D pull distribution



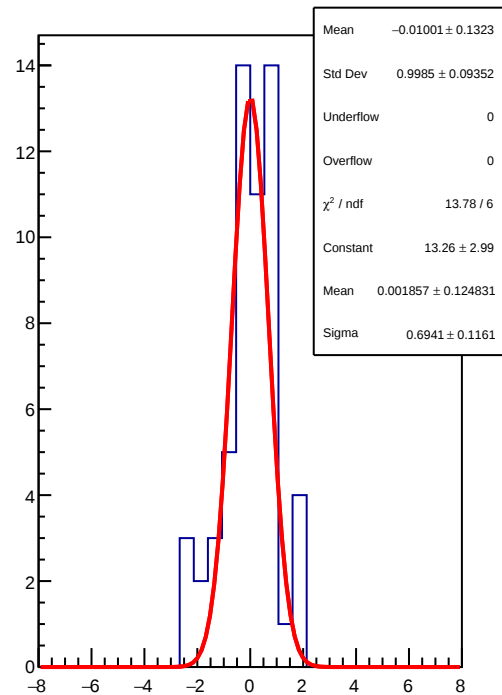
diff_bpm12Y RMS (um)



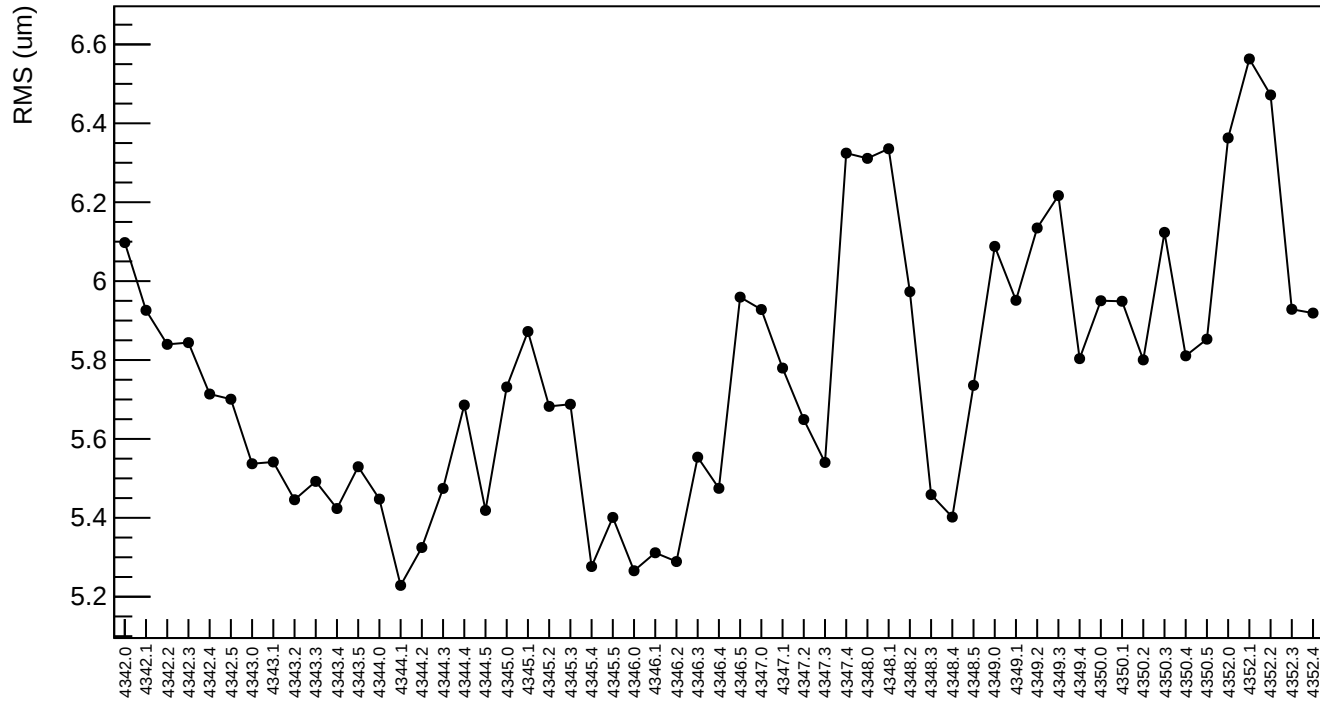
diff_bpm11X (nm)



1D pull distribution



diff_bpm11X RMS (um)

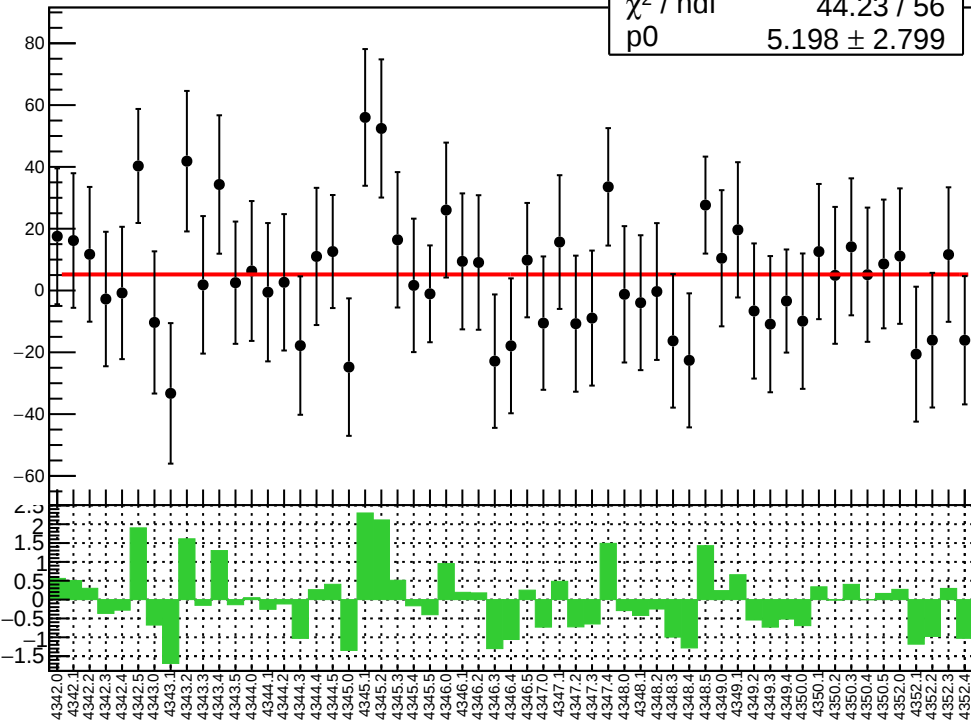


diff_bpm11Y (nm)

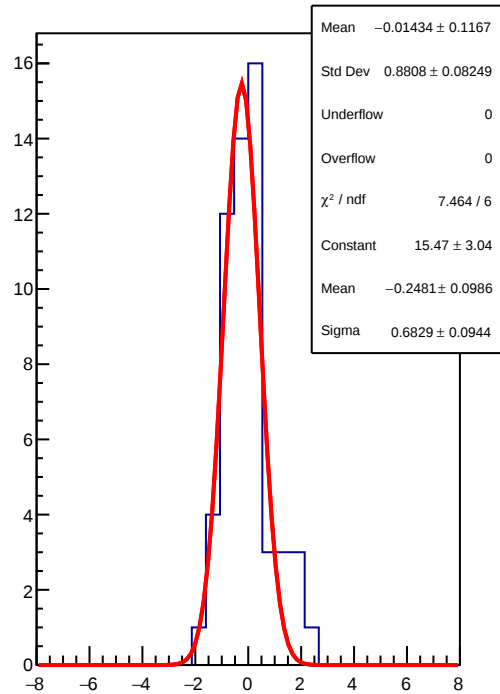
 χ^2 / ndf

44.23 / 56

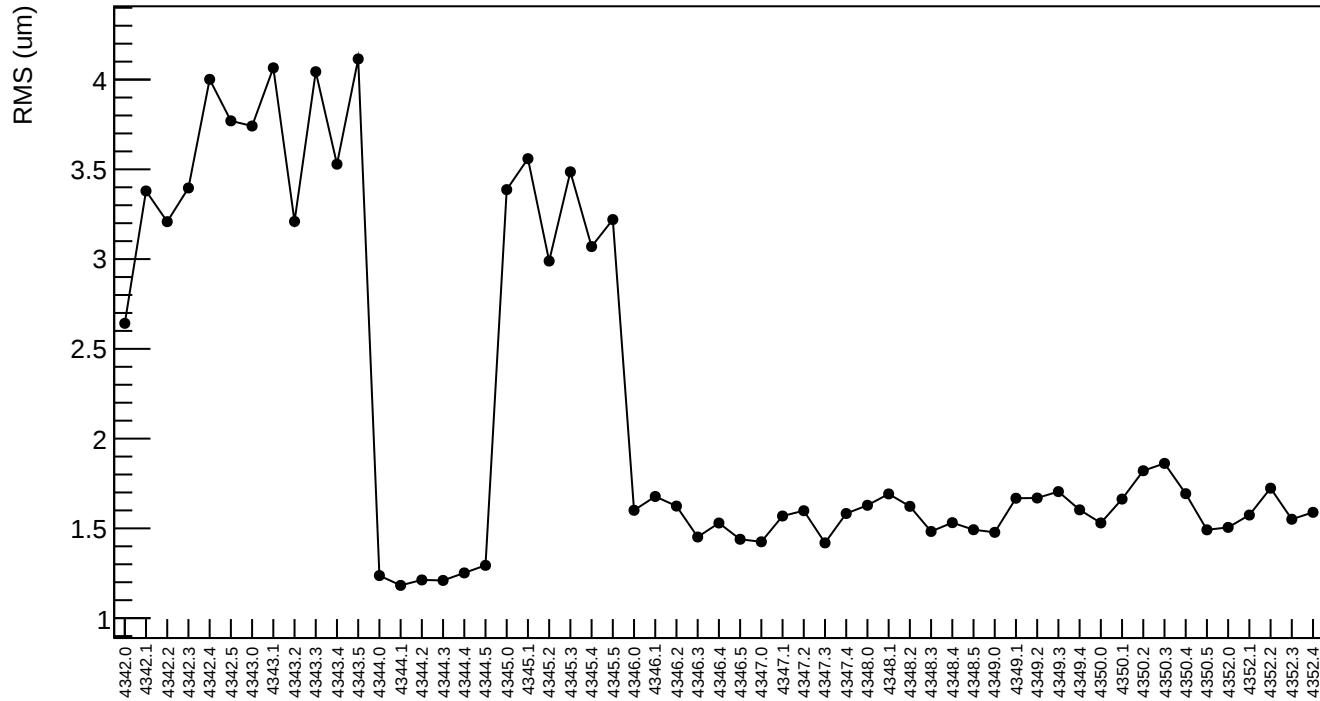
p0

 5.198 ± 2.799 

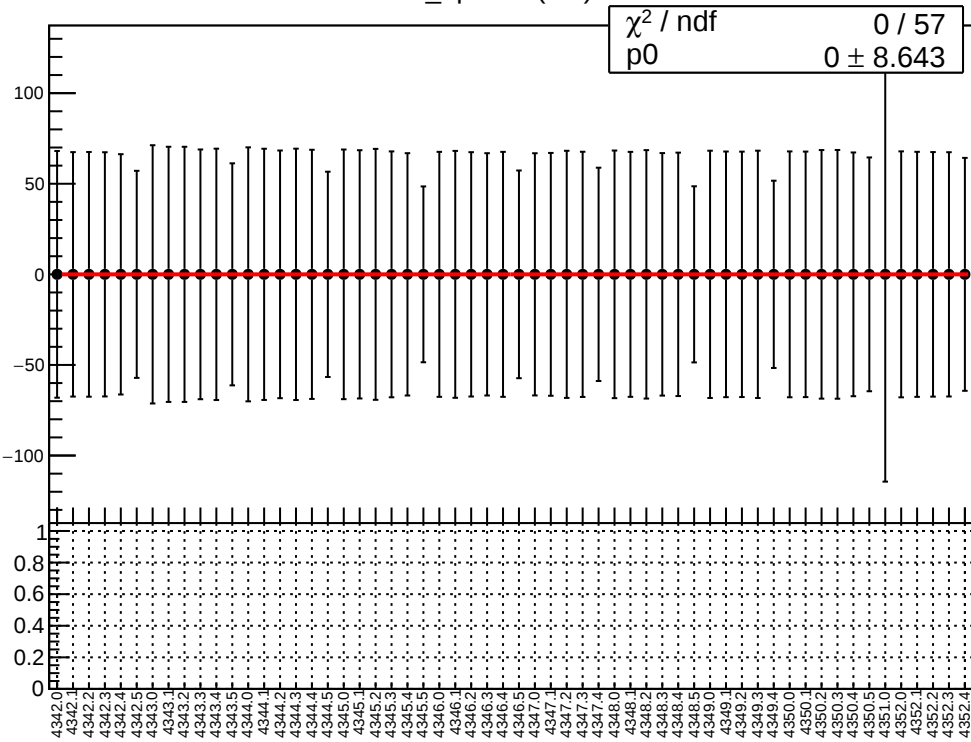
1D pull distribution



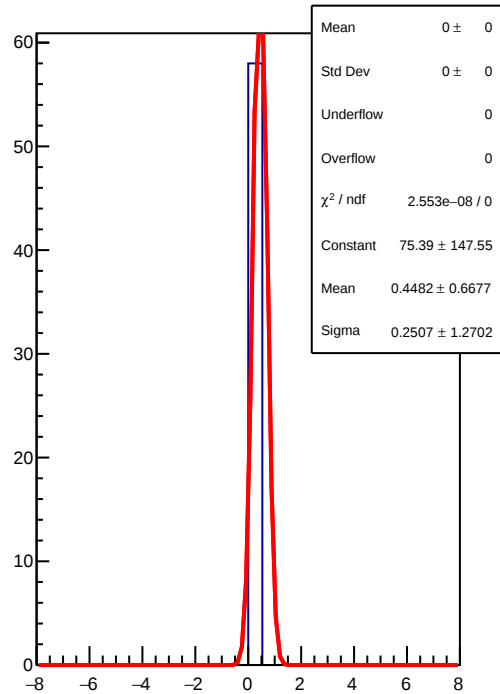
diff_bpm11Y RMS (um)



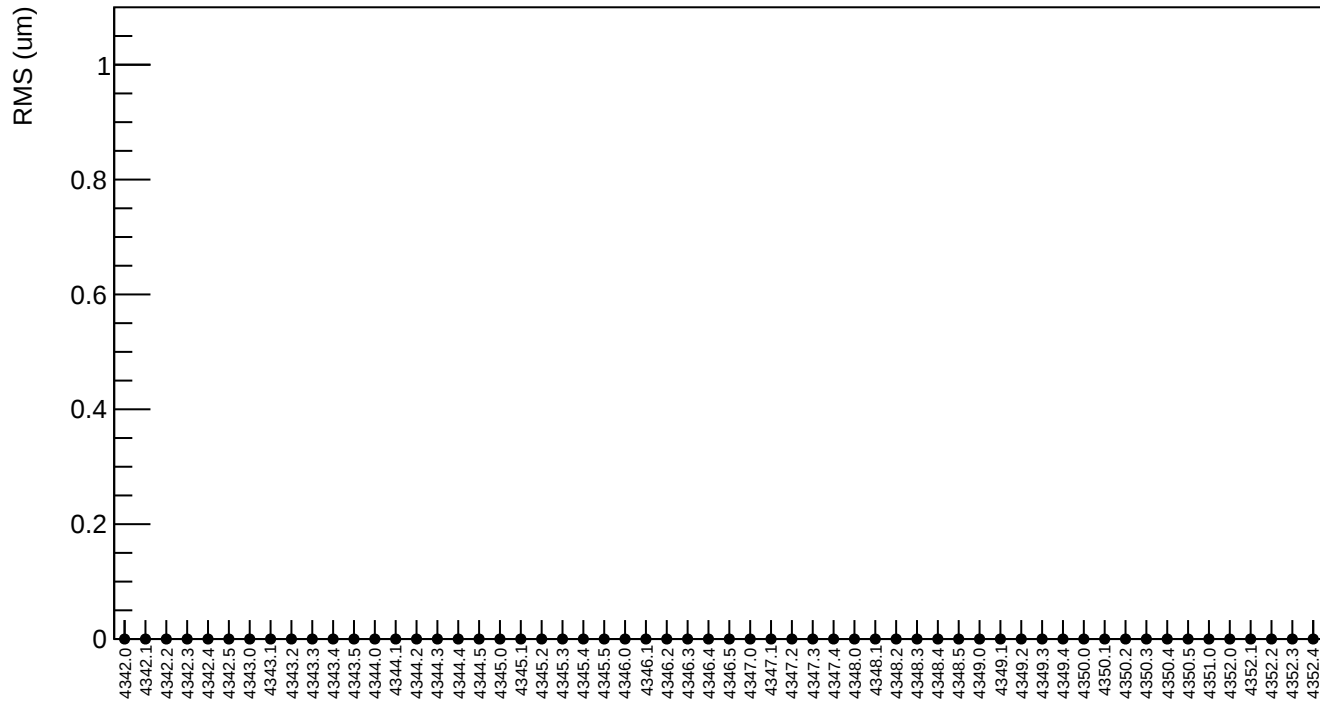
diff_bpm8X (nm)



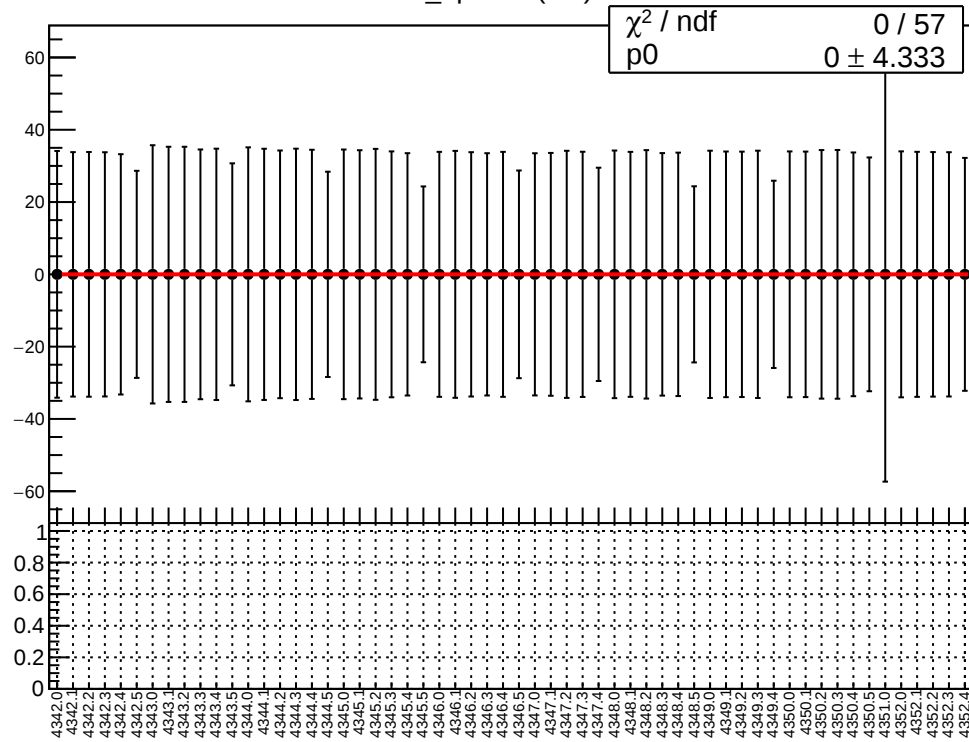
1D pull distribution



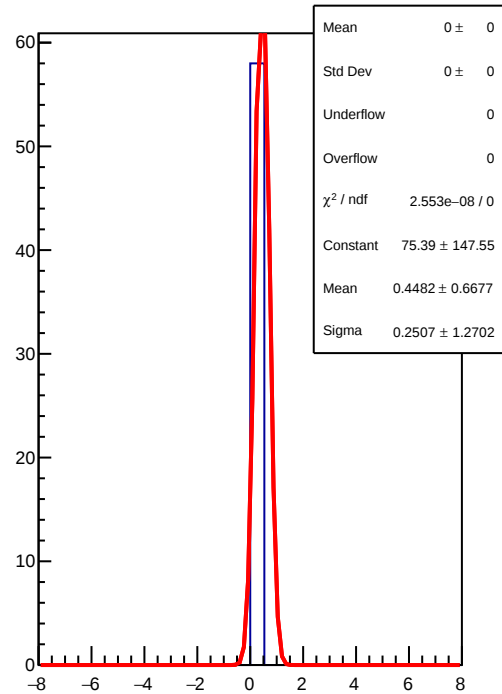
diff_bpm8X RMS (um)



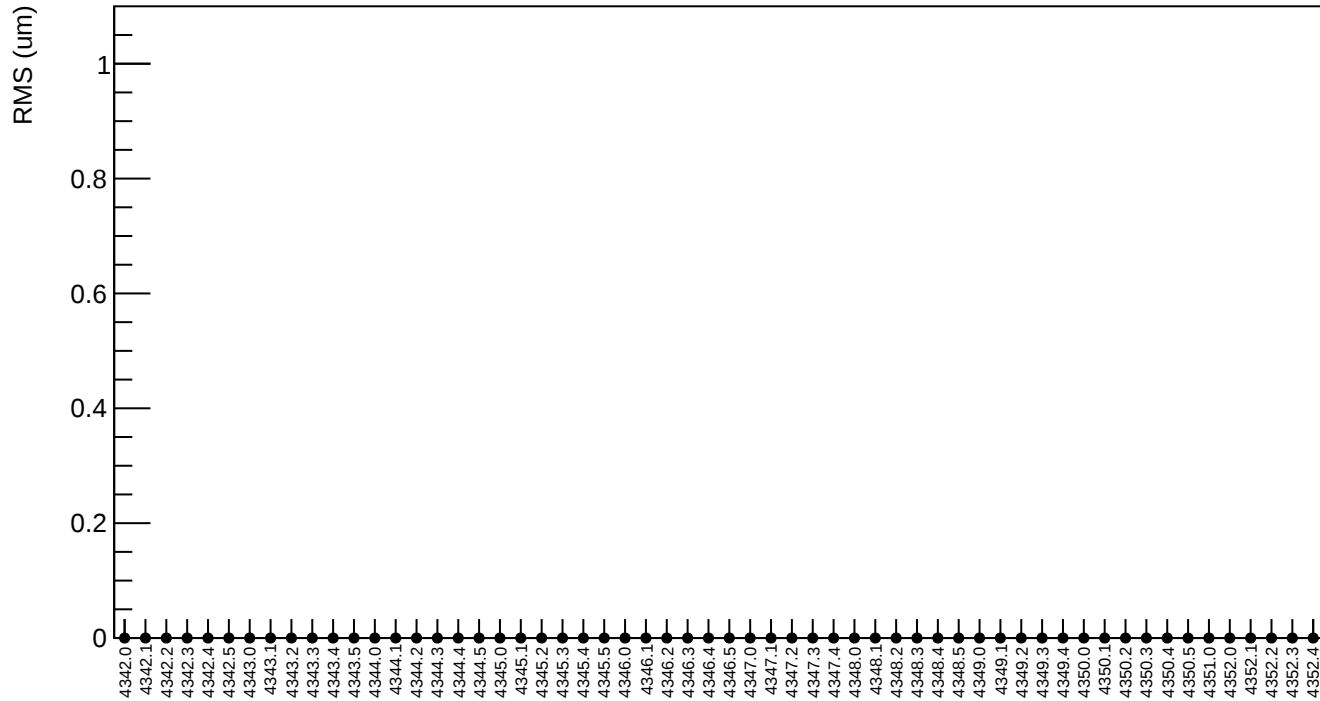
diff_bpm8Y (nm)



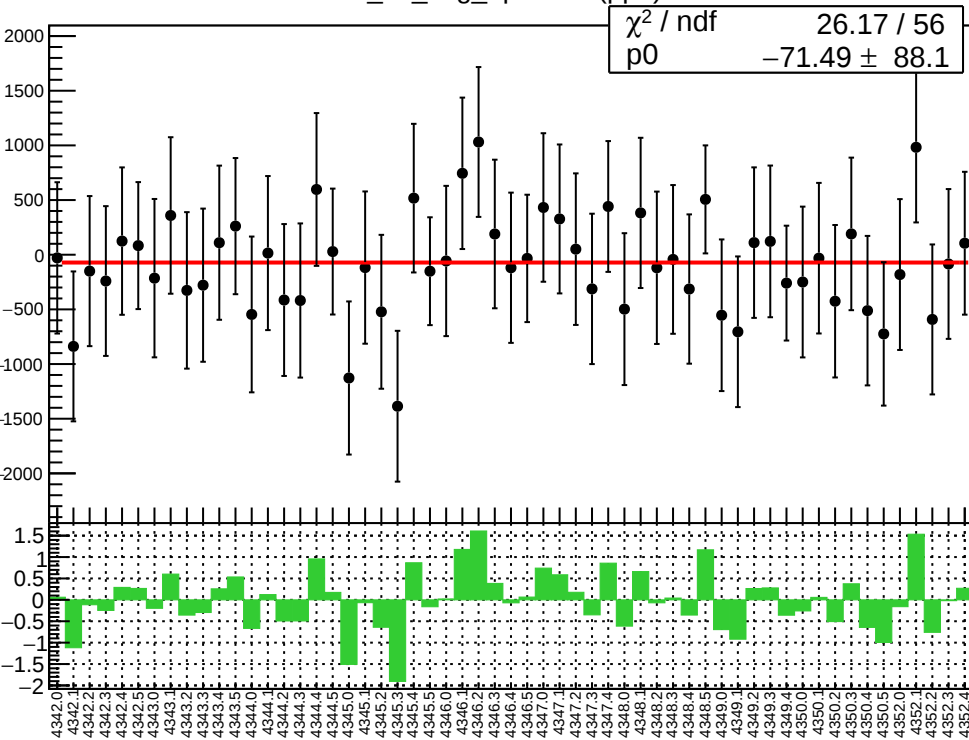
1D pull distribution



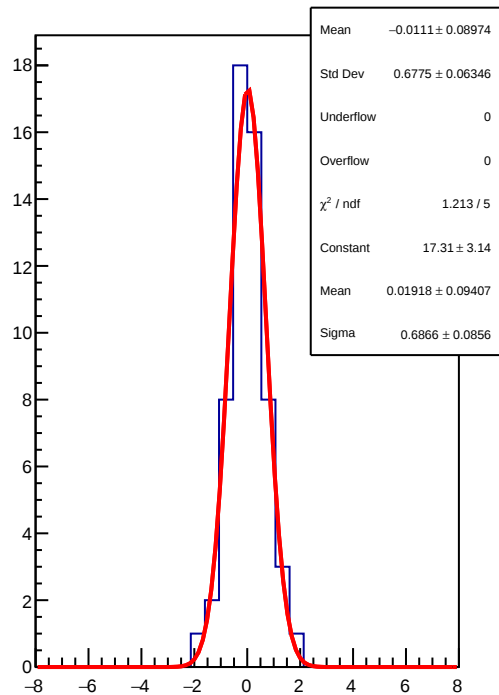
diff_bpm8Y RMS (um)



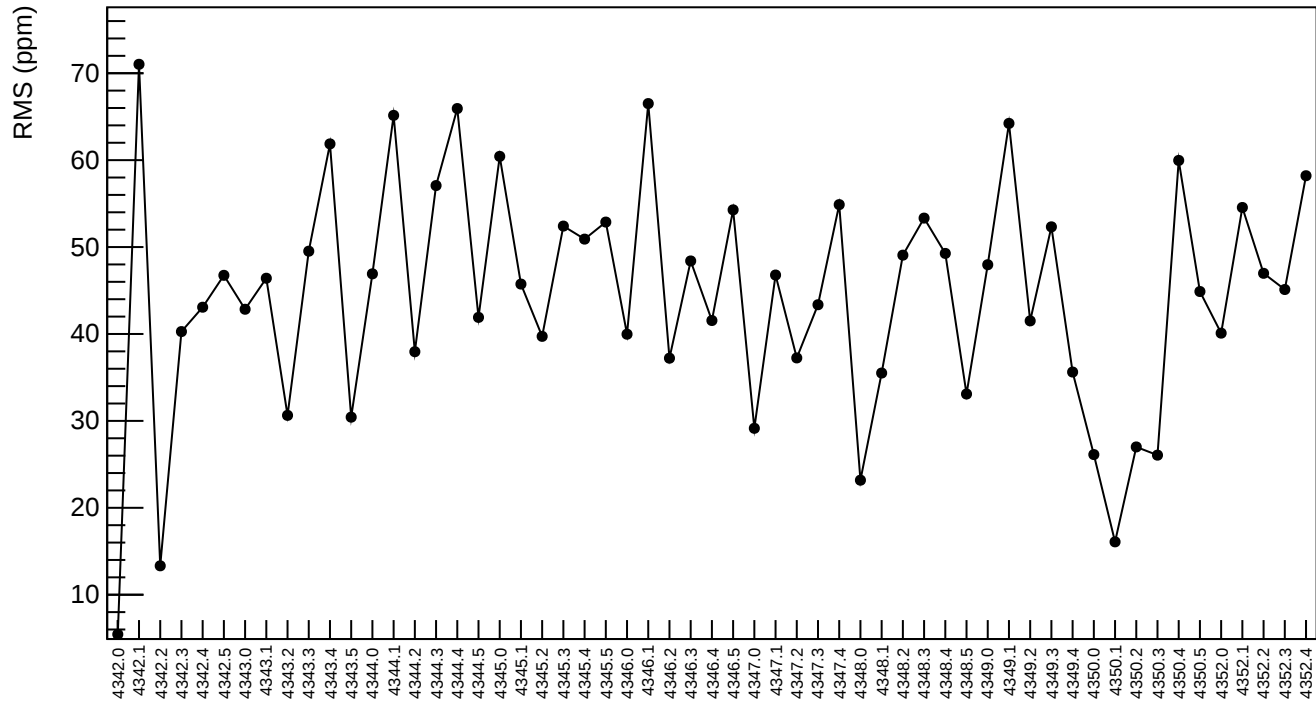
corr_us_avg_bpm4eX (ppb)



1D pull distribution



corr_us_avg_bpm4eX RMS (ppm)



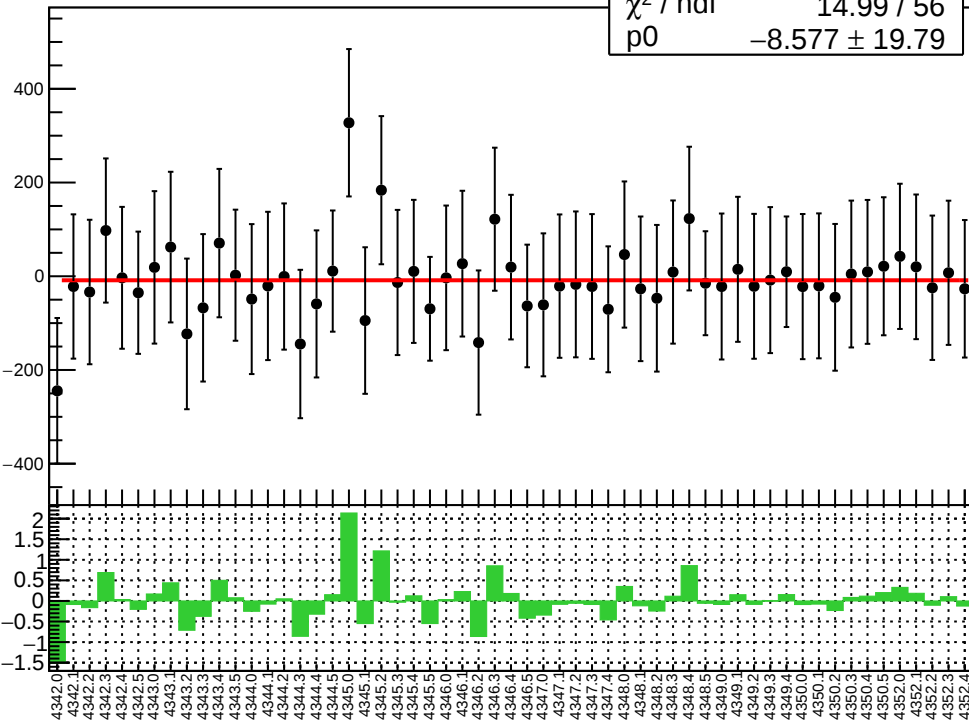
corr_us_avg_bpm4eY (ppb)

χ^2 / ndf

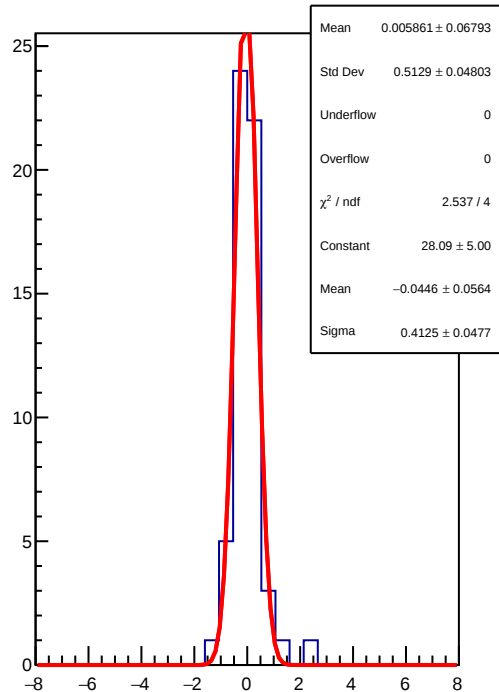
14.99 / 56

p0

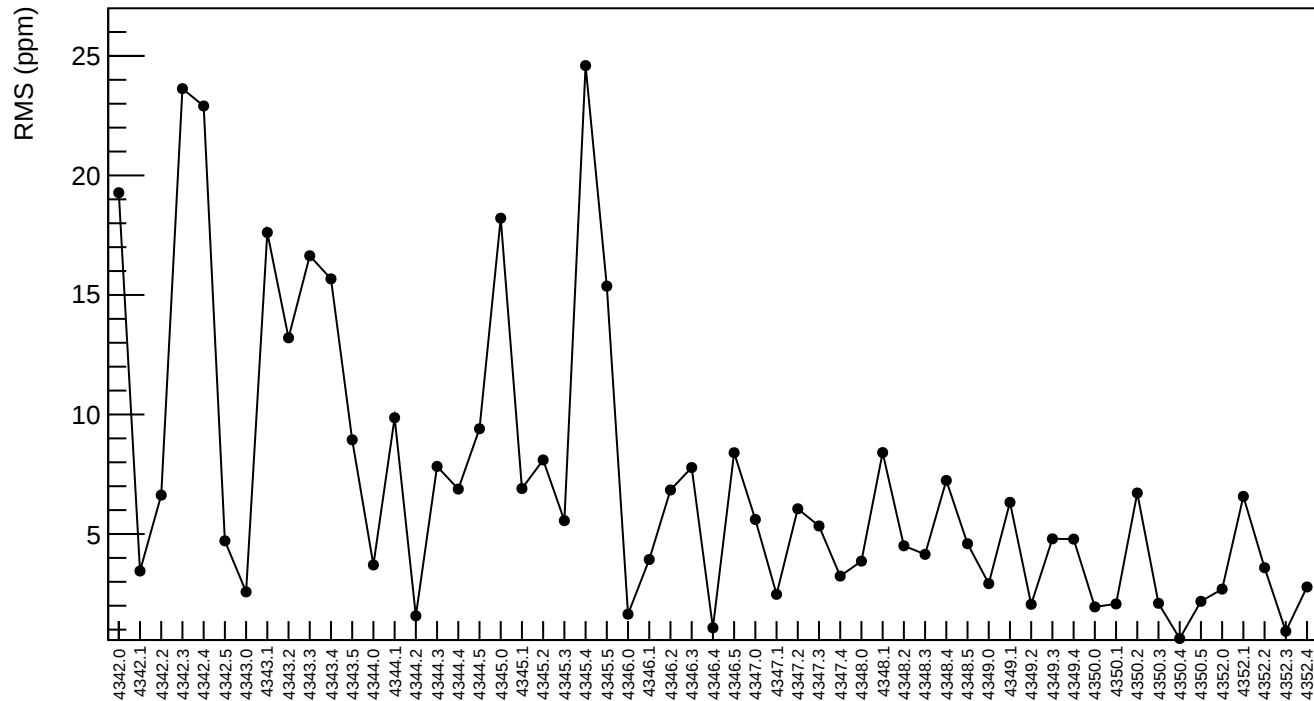
-8.577 ± 19.79



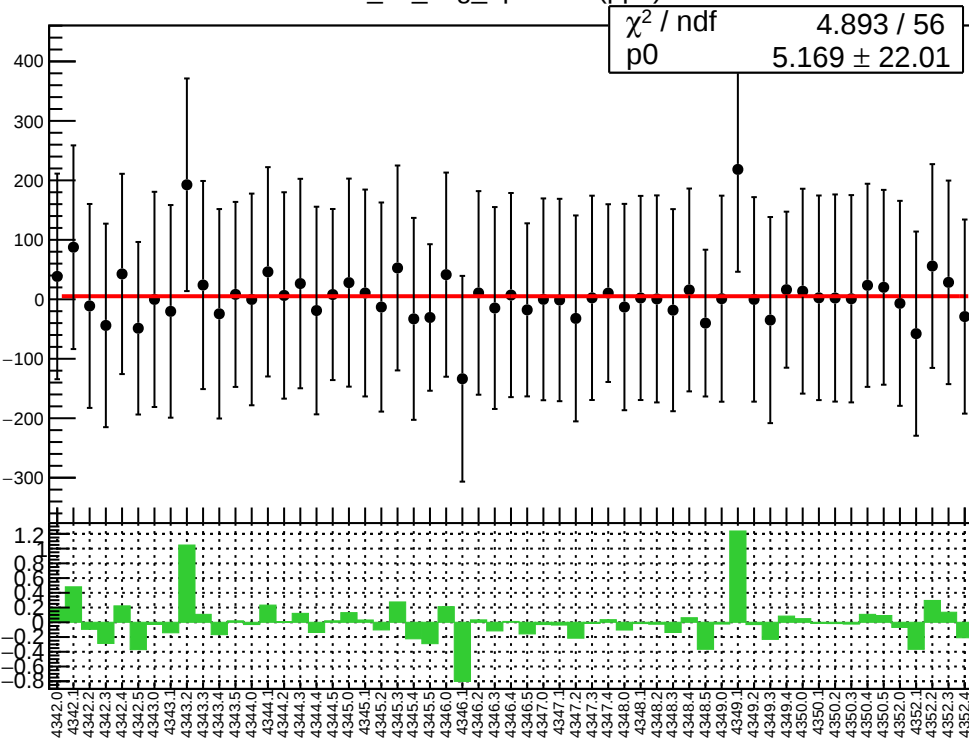
1D pull distribution



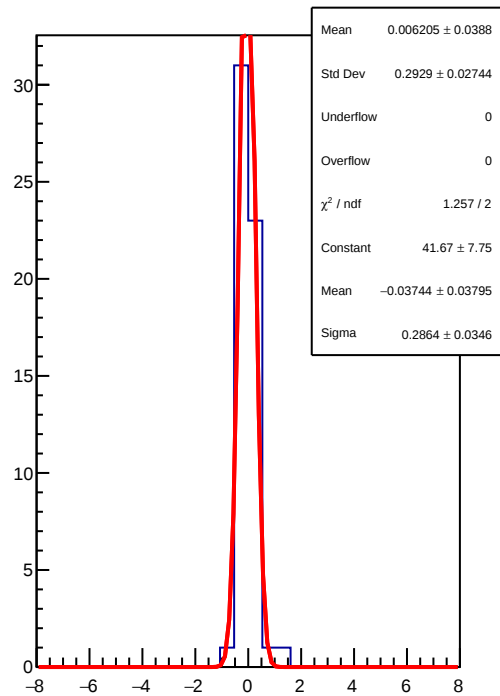
corr_us_avg_bpm4eY RMS (ppm)



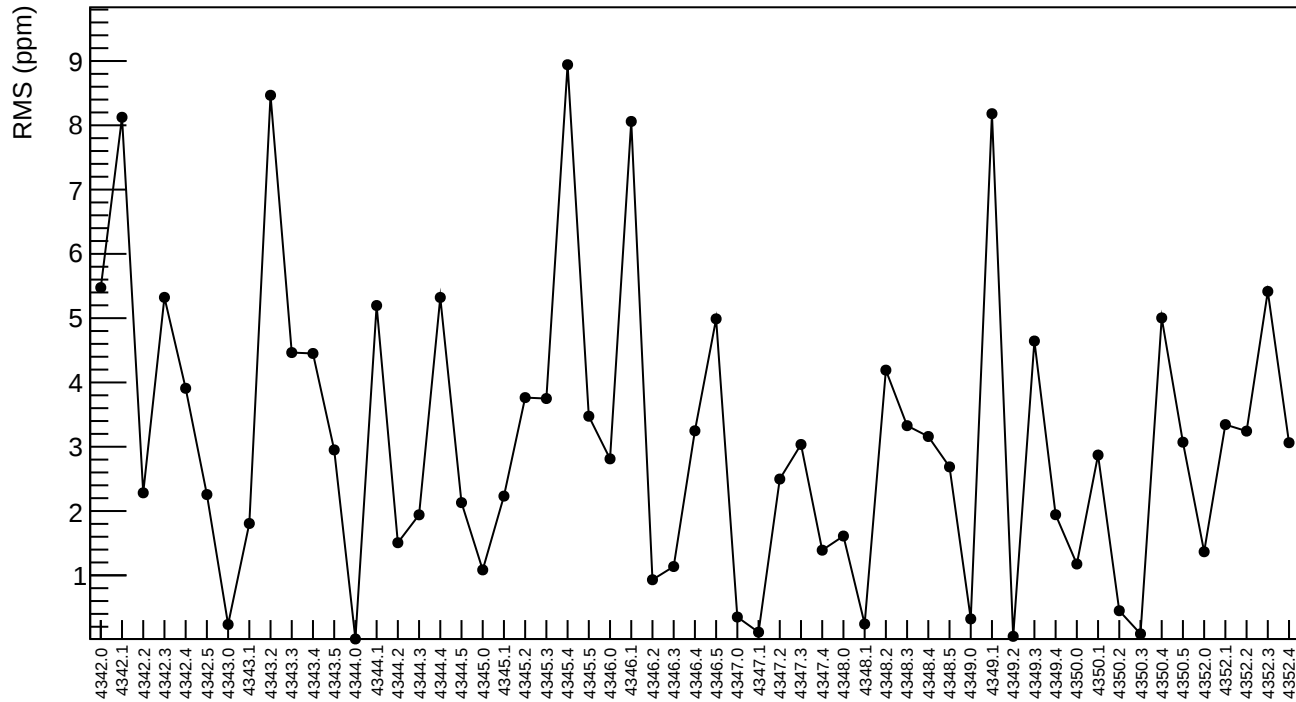
corr_us_avg_bpm4aX (ppb)



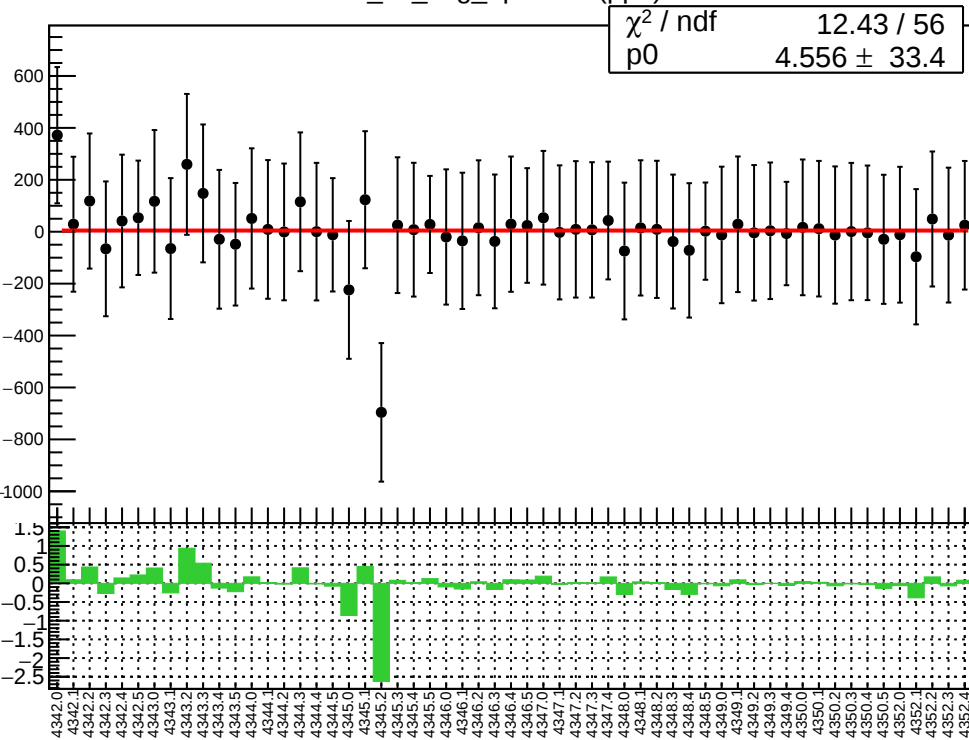
1D pull distribution



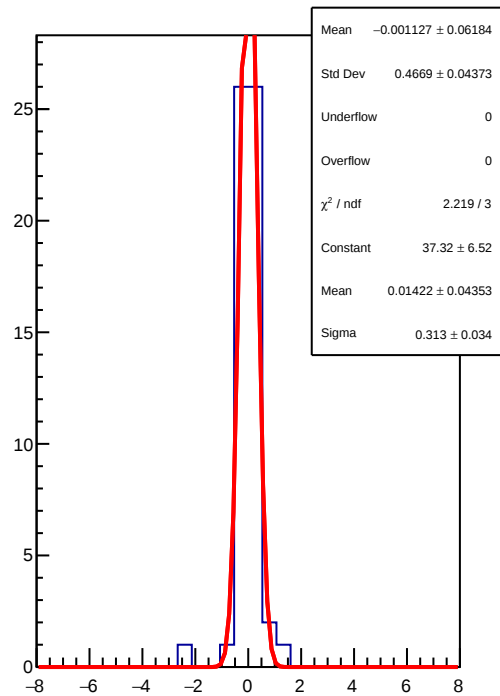
corr_us_avg_bpm4aX RMS (ppm)



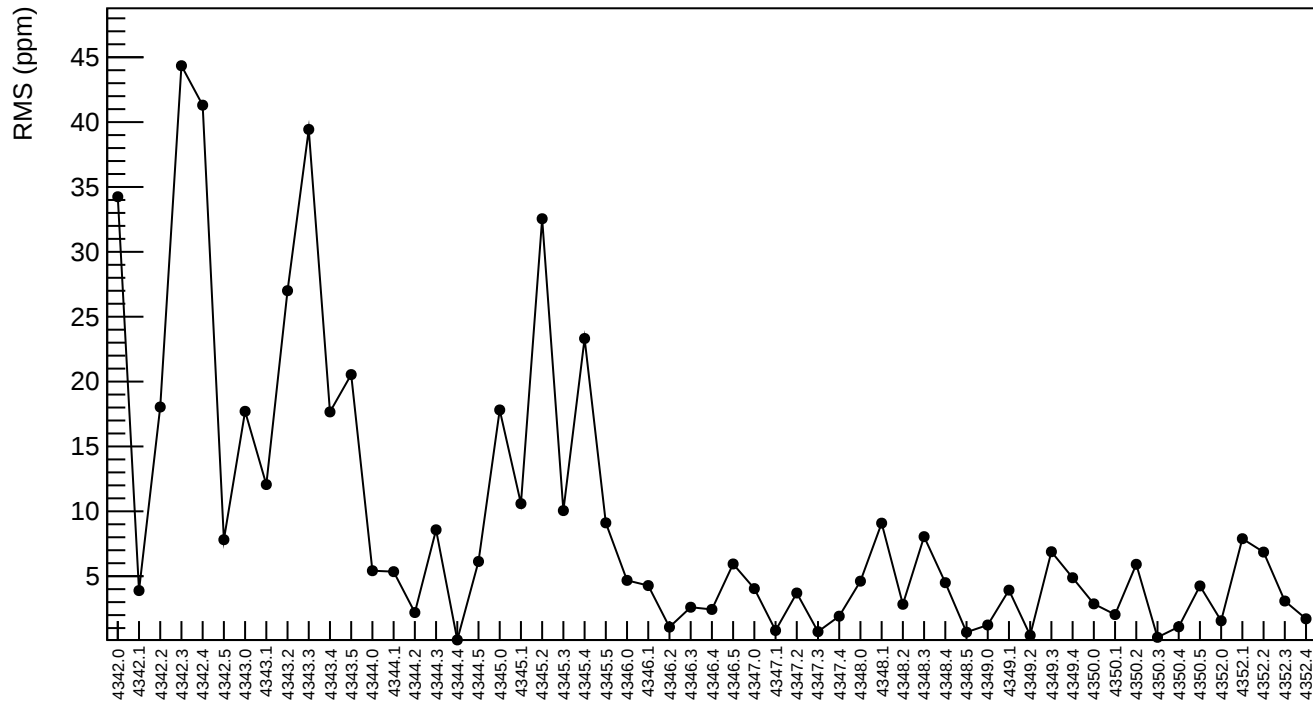
corr_us_avg_bpm4aY (ppb)



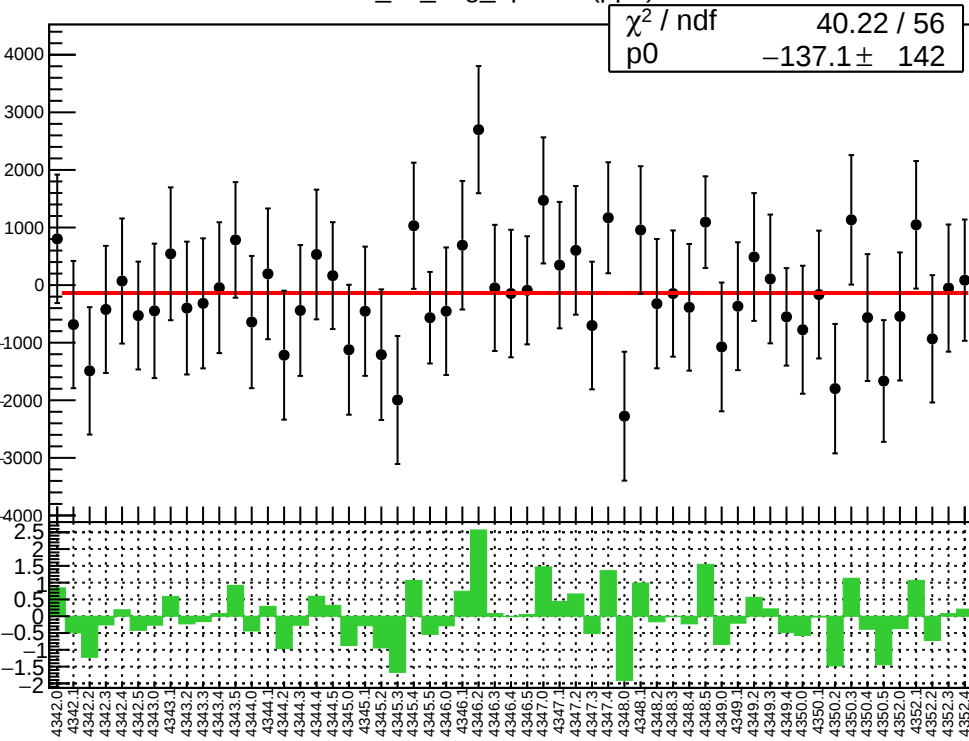
1D pull distribution



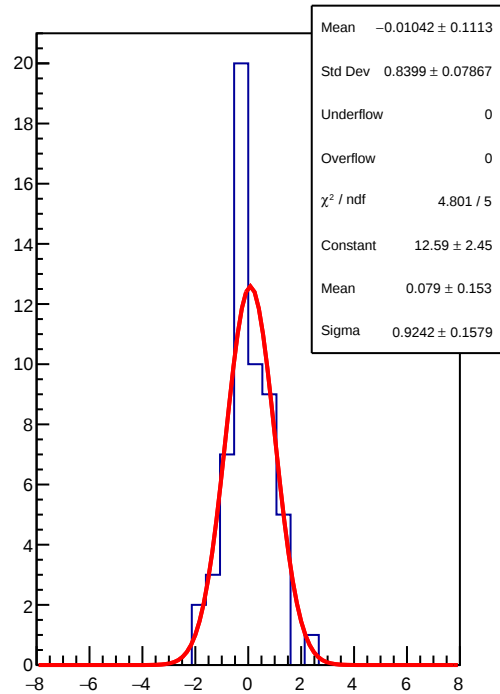
corr_us_avg_bpm4aY RMS (ppm)



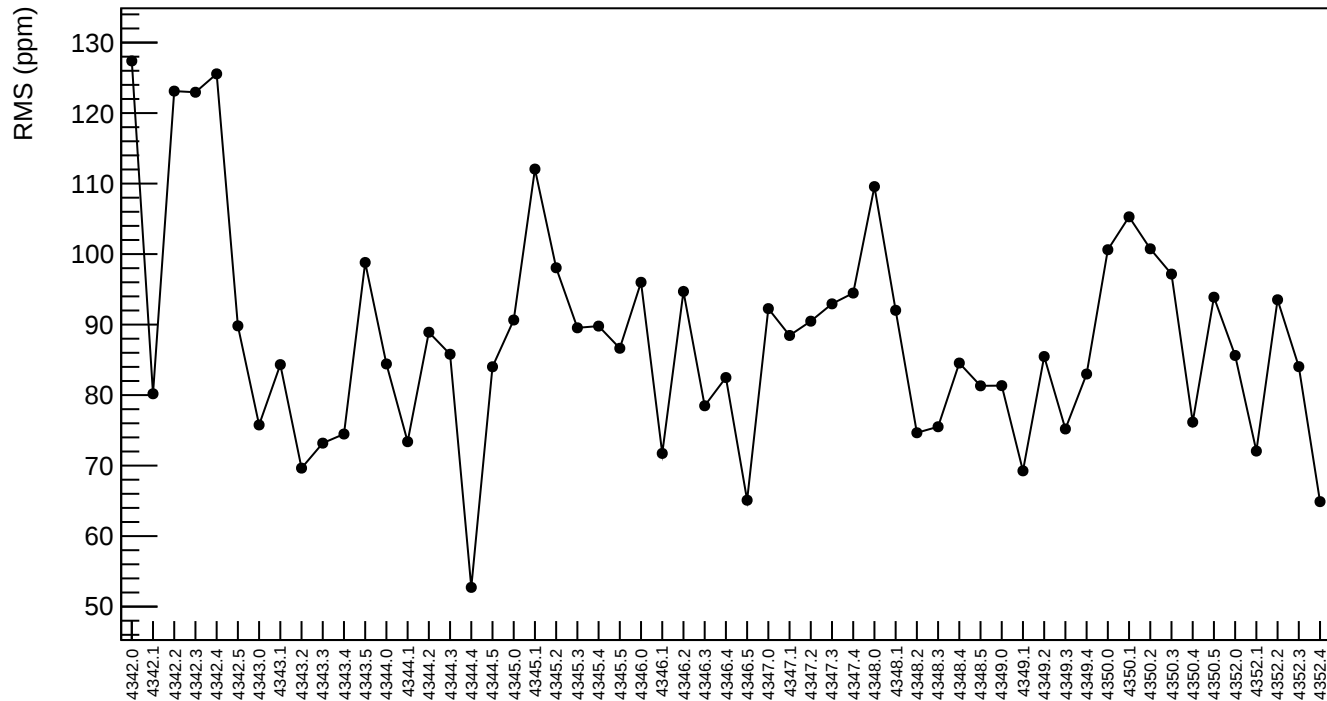
corr_us_avg_bpm1X (ppb)



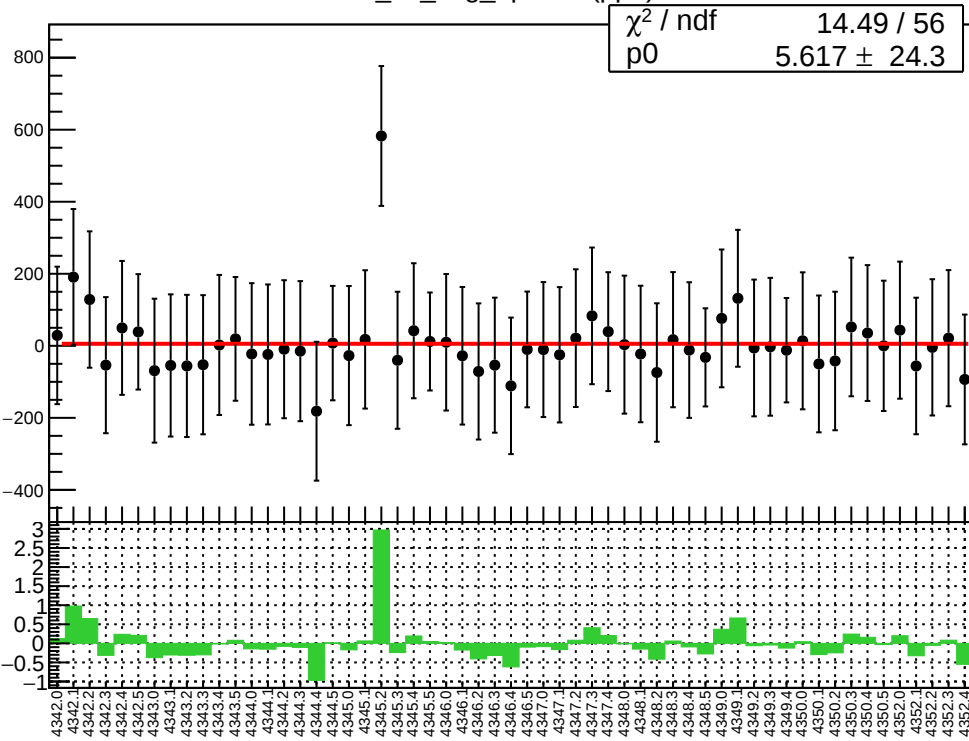
1D pull distribution



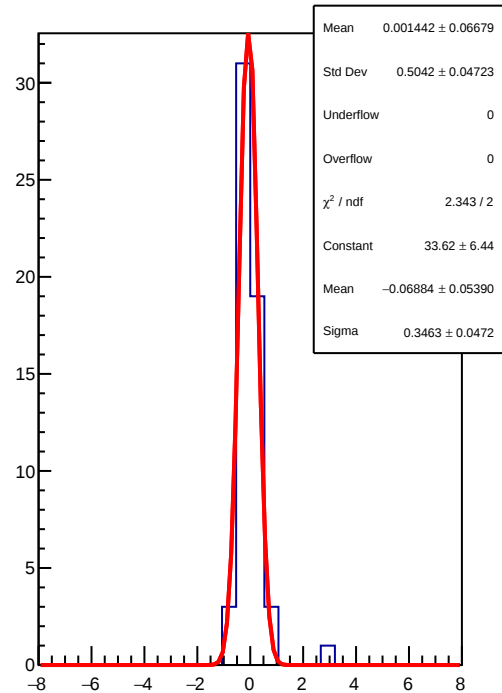
corr_us_avg_bpm1X RMS (ppm)



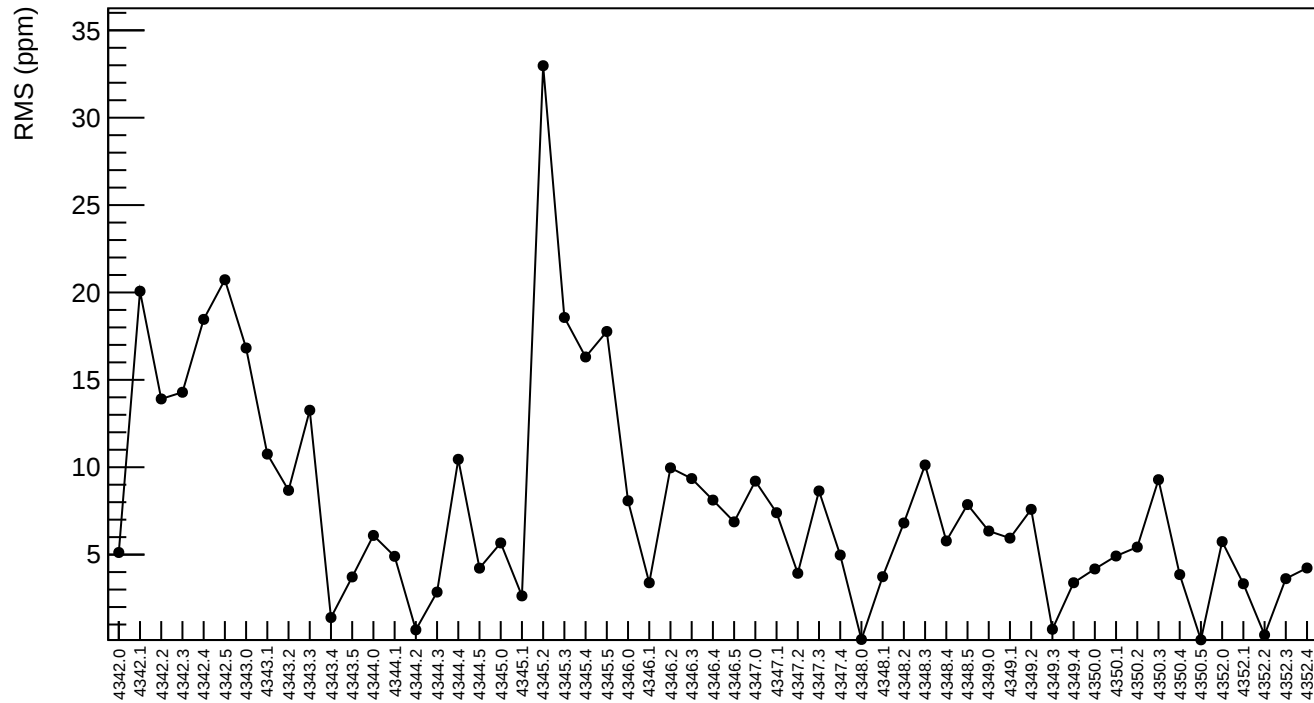
corr_us_avg_bpm1Y (ppb)



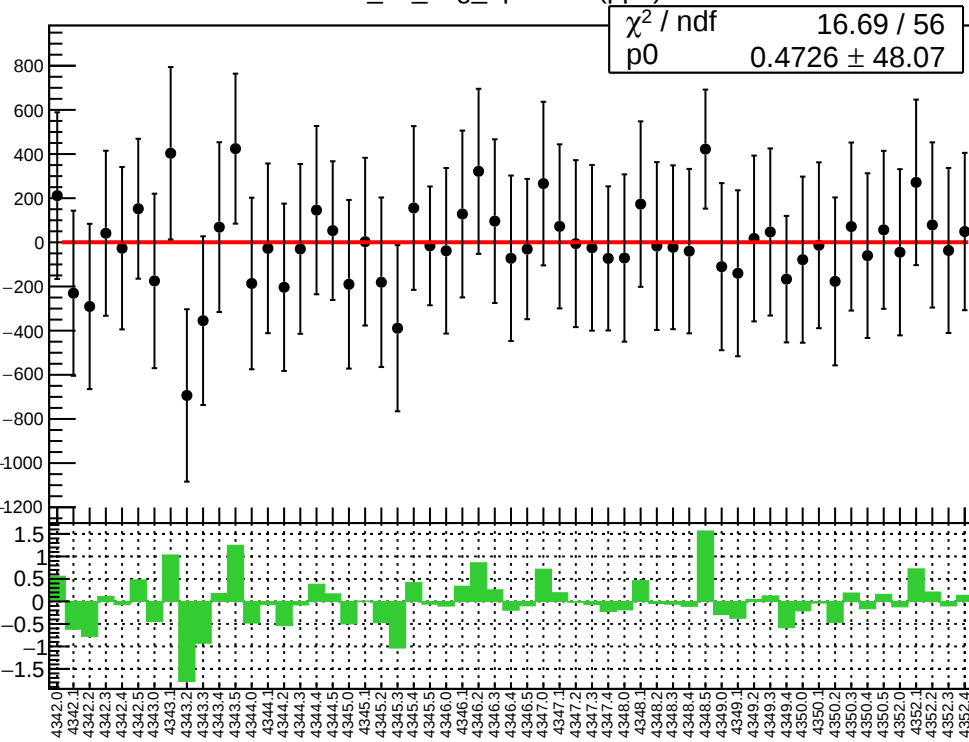
1D pull distribution



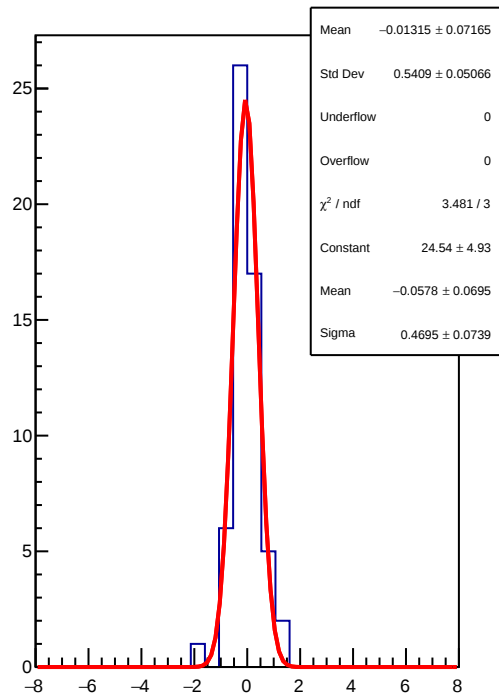
corr_us_avg_bpm1Y RMS (ppm)



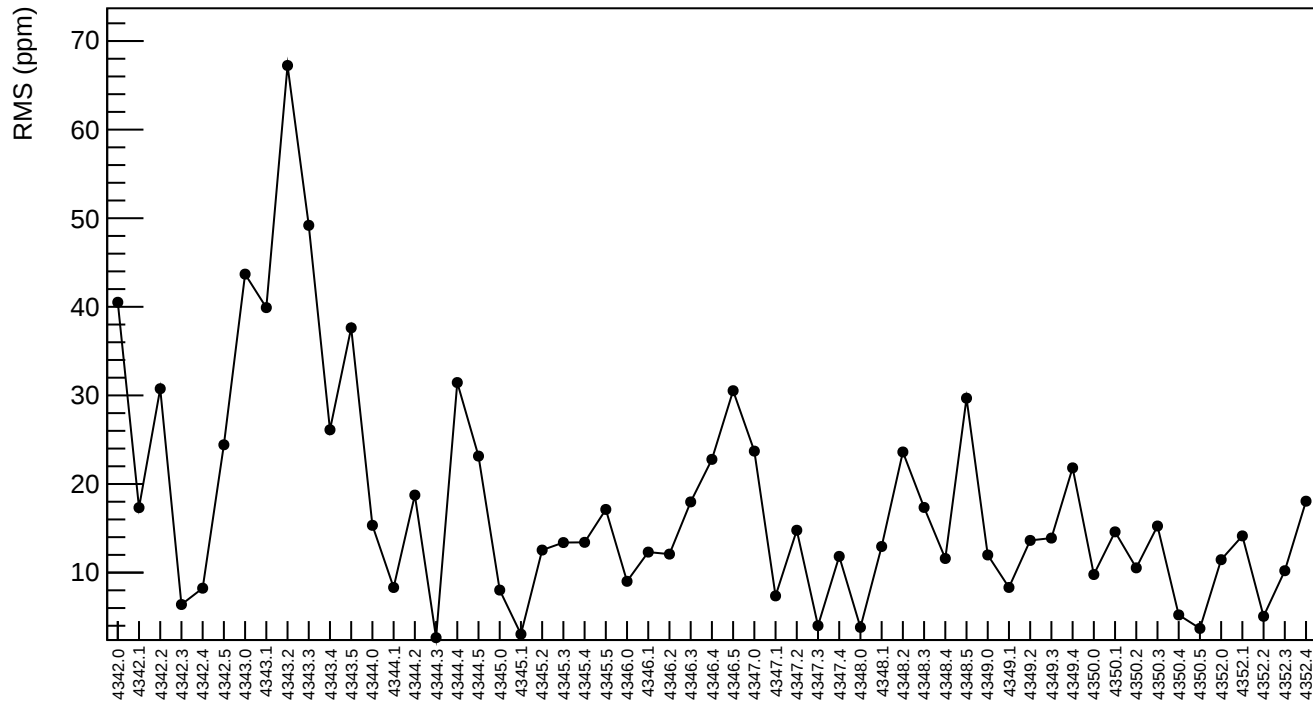
corr_us_avg_bpm16X (ppb)



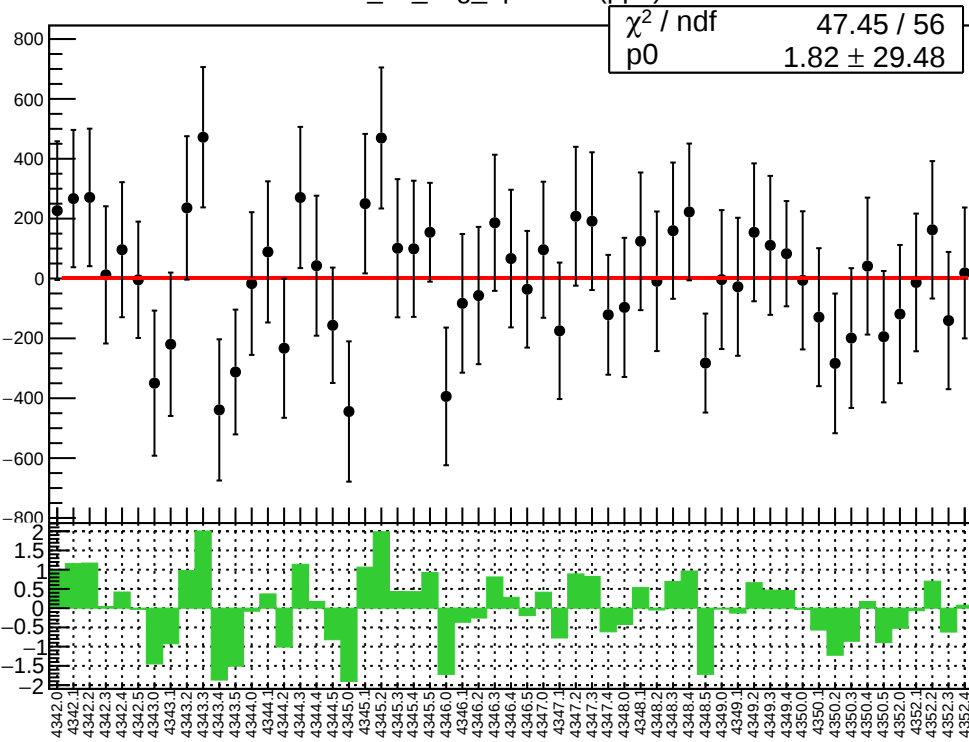
1D pull distribution



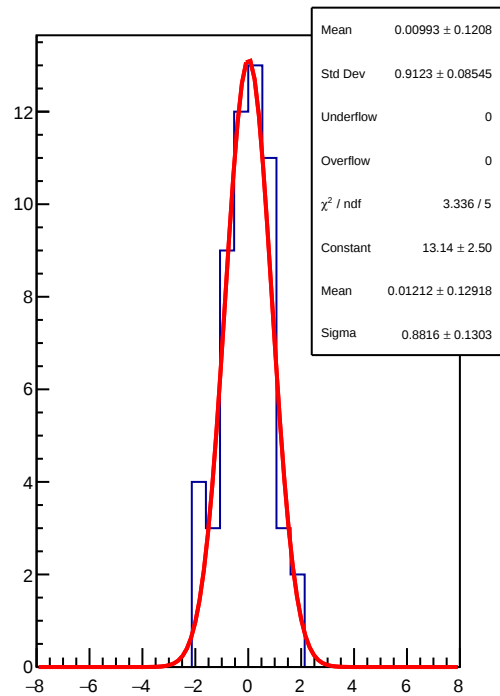
corr_us_avg_bpm16X RMS (ppm)



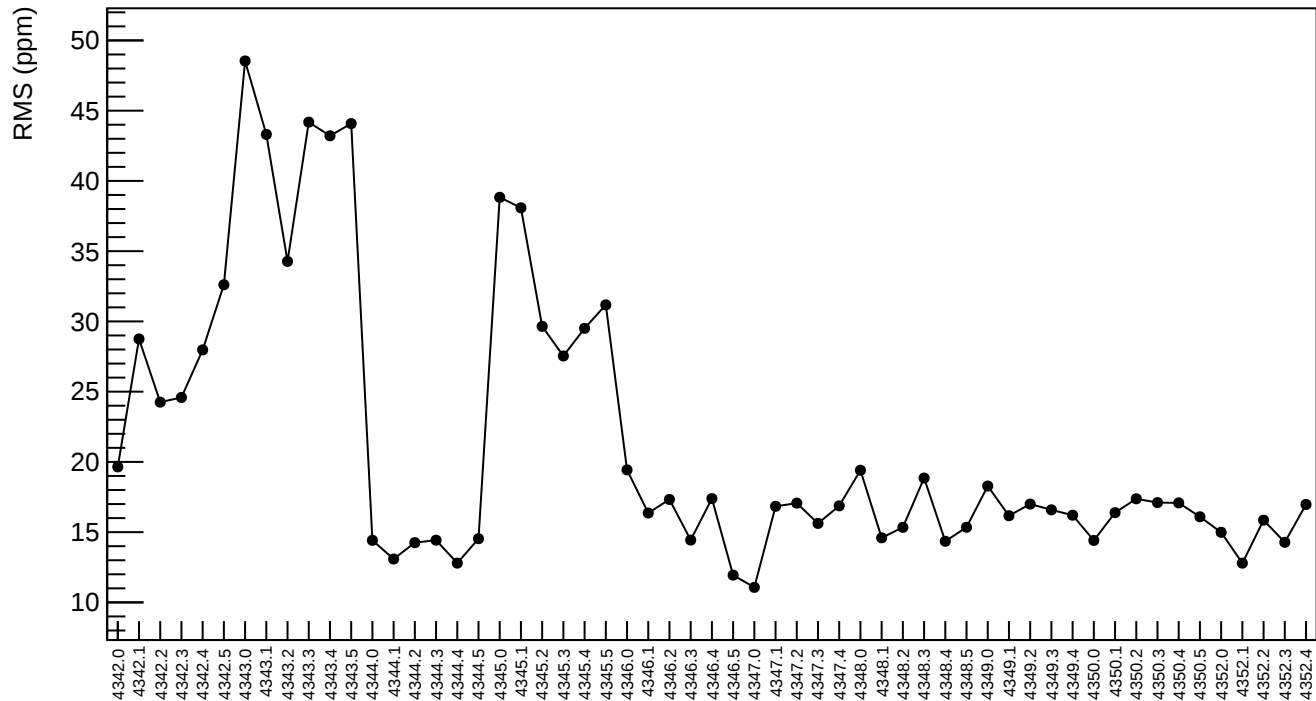
corr_us_avg_bpm16Y (ppb)



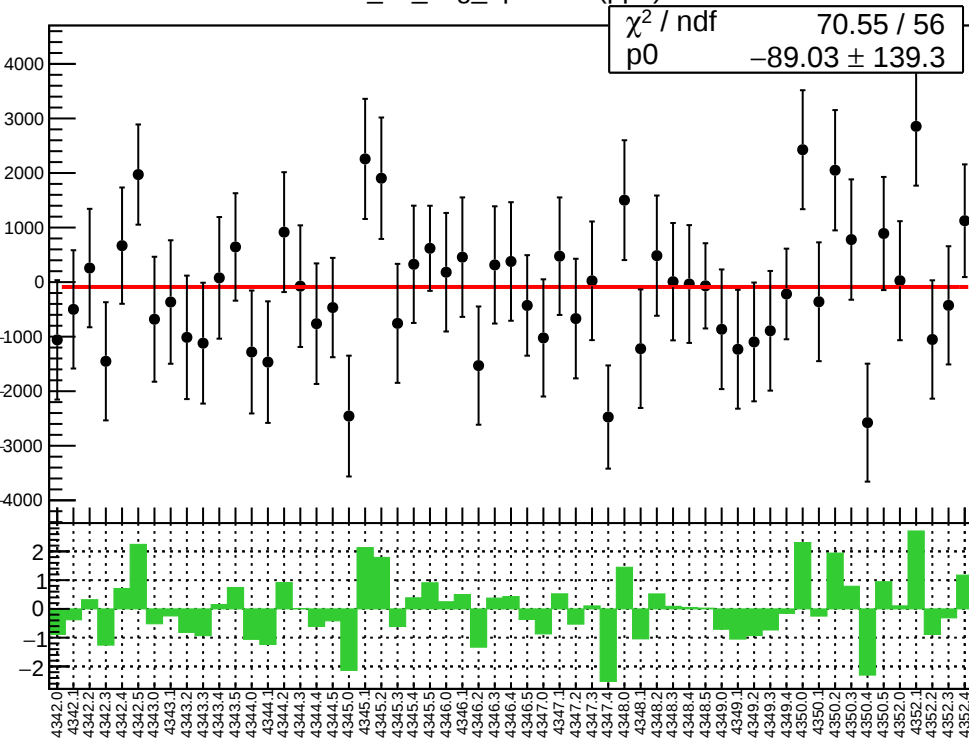
1D pull distribution



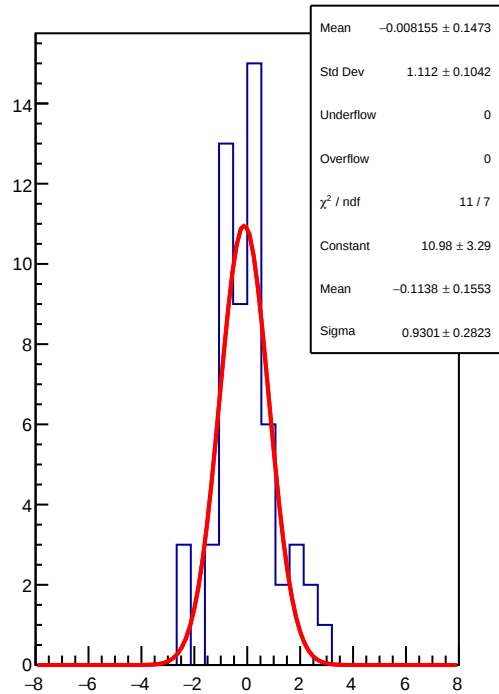
corr_us_avg_bpm16Y RMS (ppm)



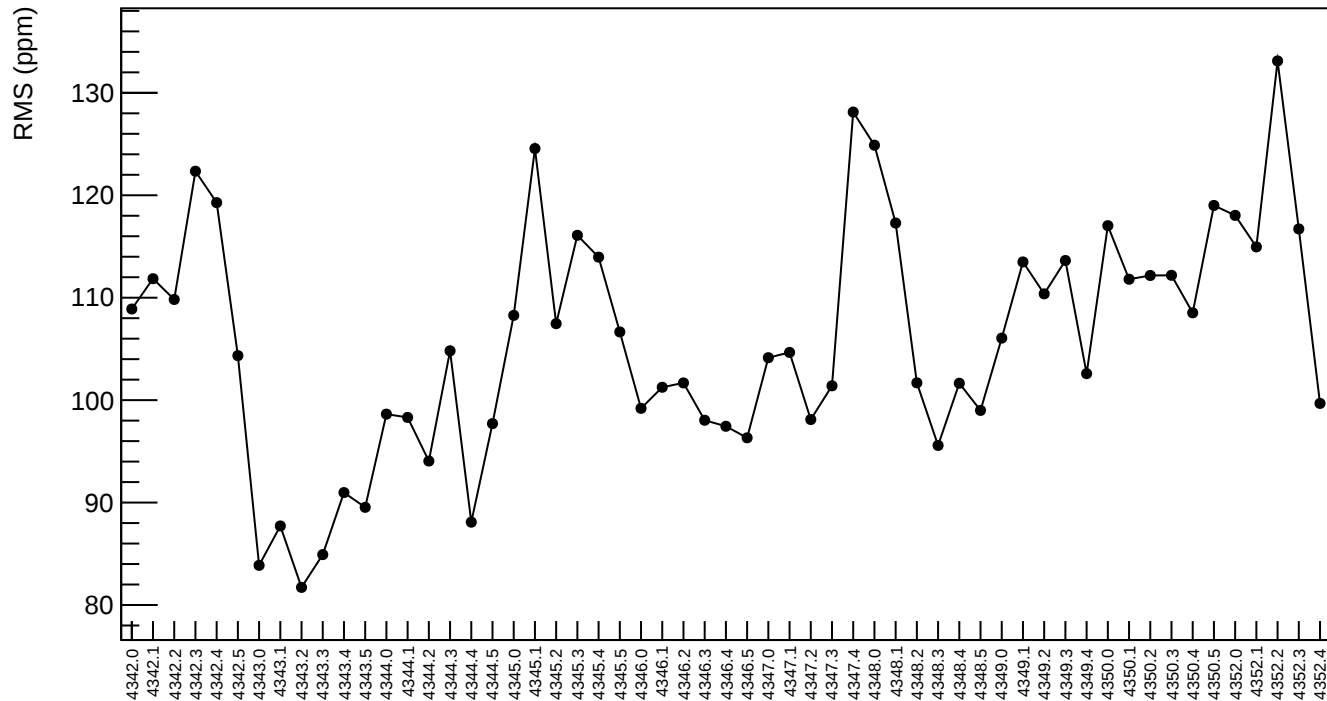
corr_us_avg_bpm12X (ppb)



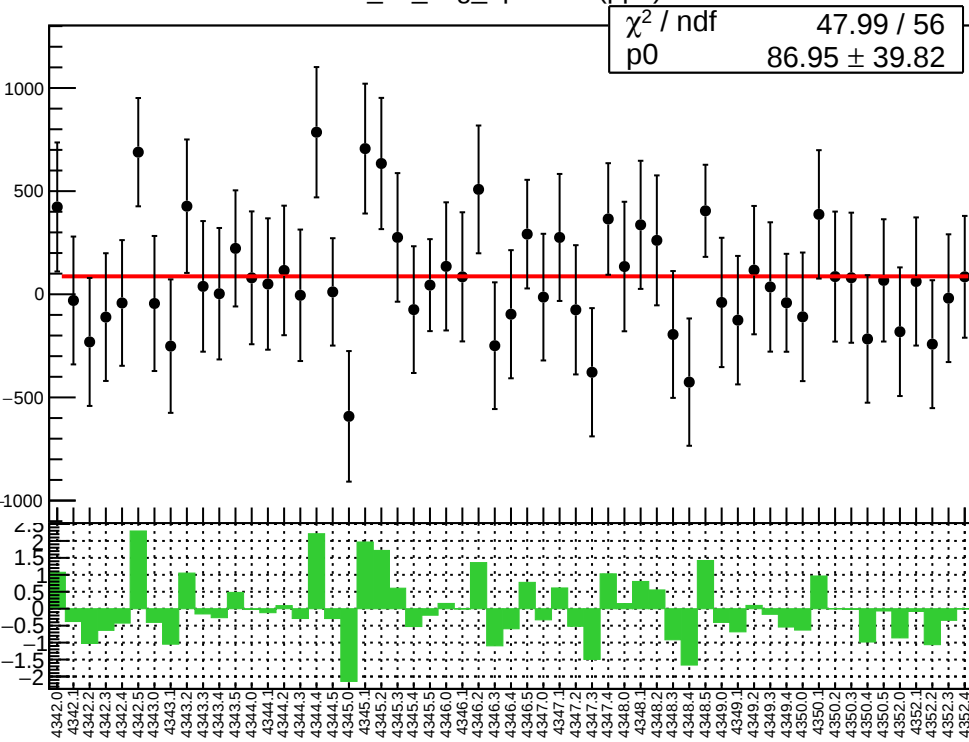
1D pull distribution



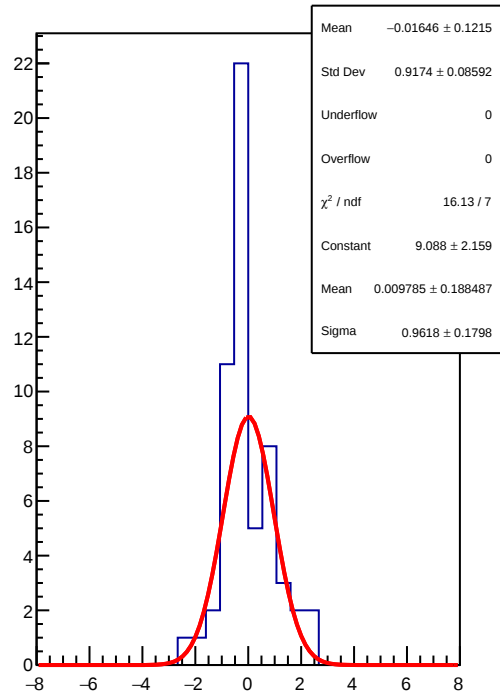
corr_us_avg_bpm12X RMS (ppm)



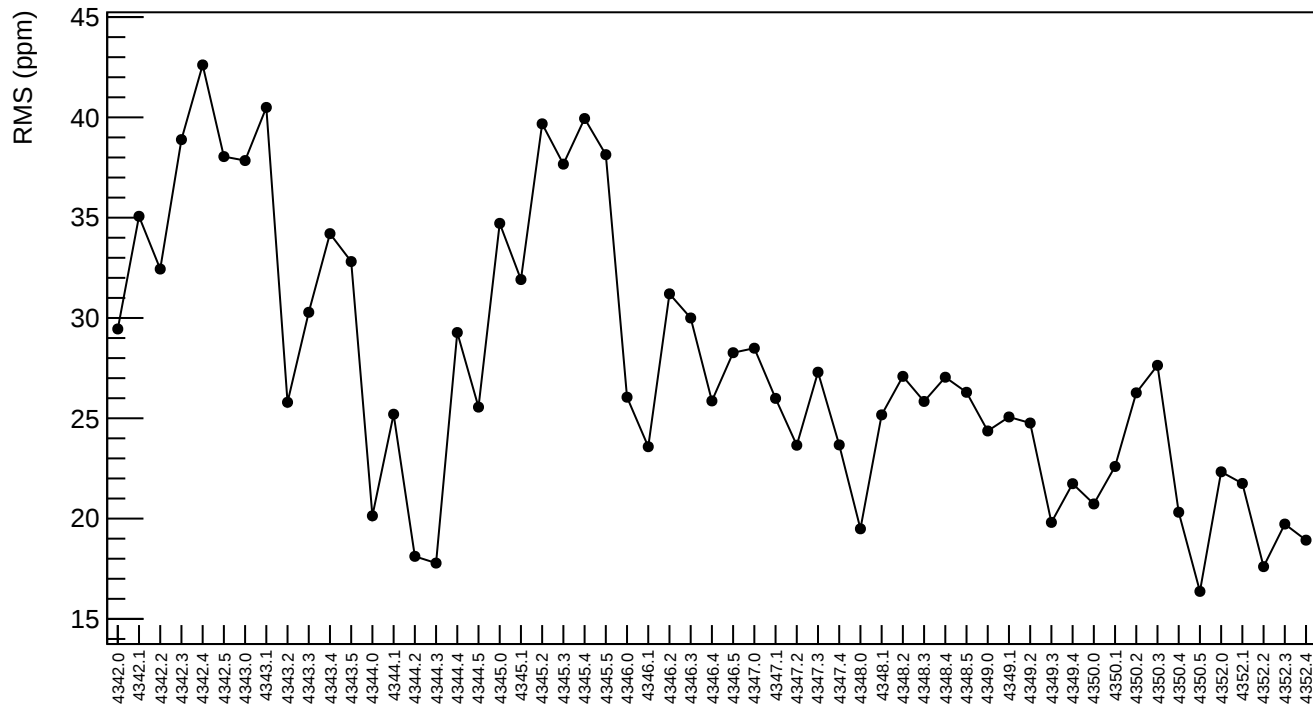
corr_us_avg_bpm12Y (ppb)



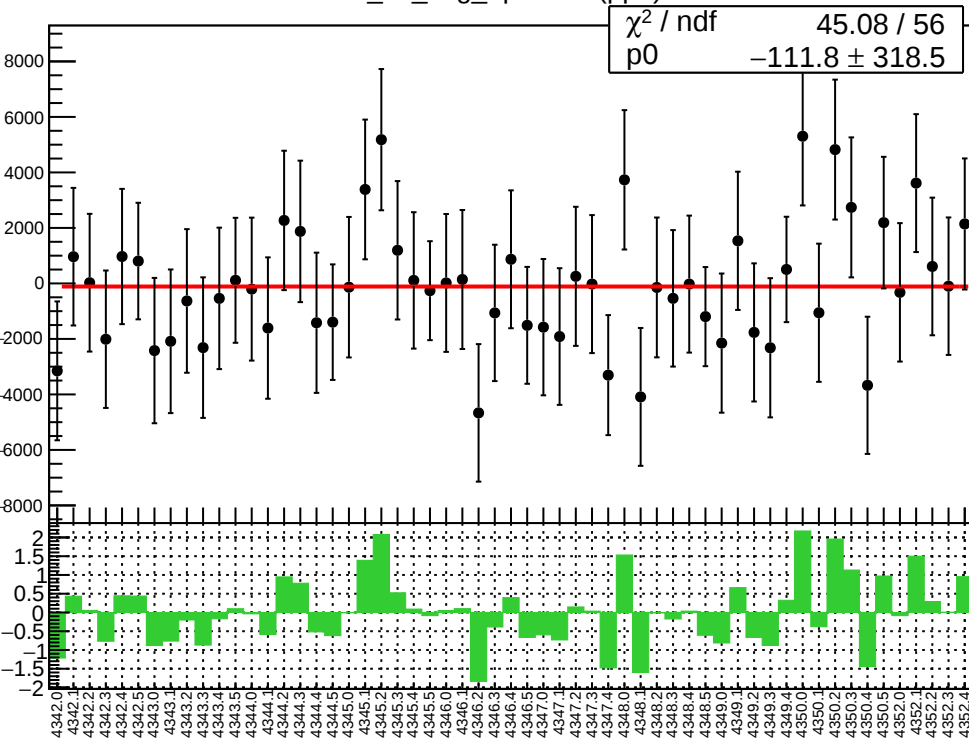
1D pull distribution



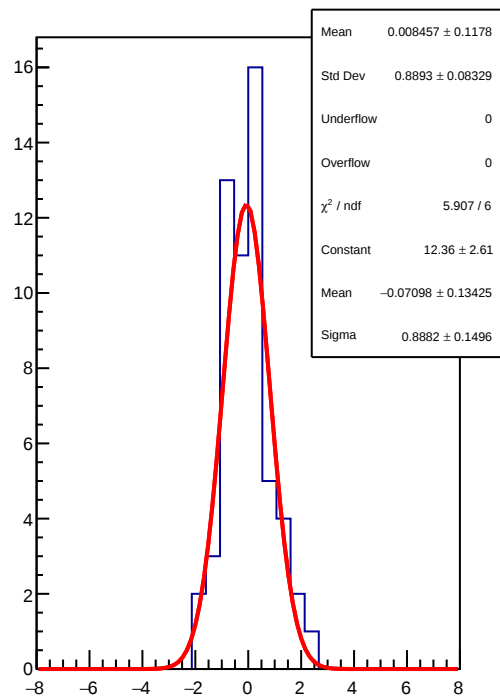
corr_us_avg_bpm12Y RMS (ppm)



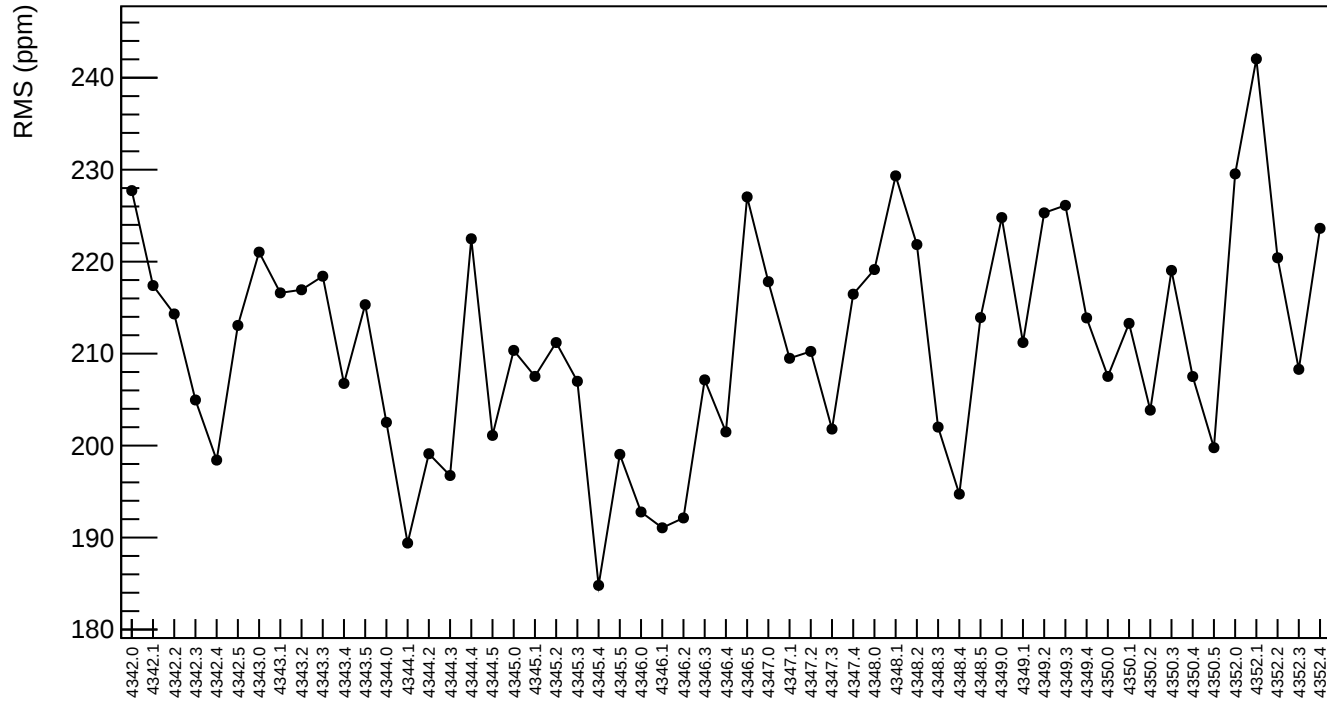
corr_us_avg_bpm11X (ppb)



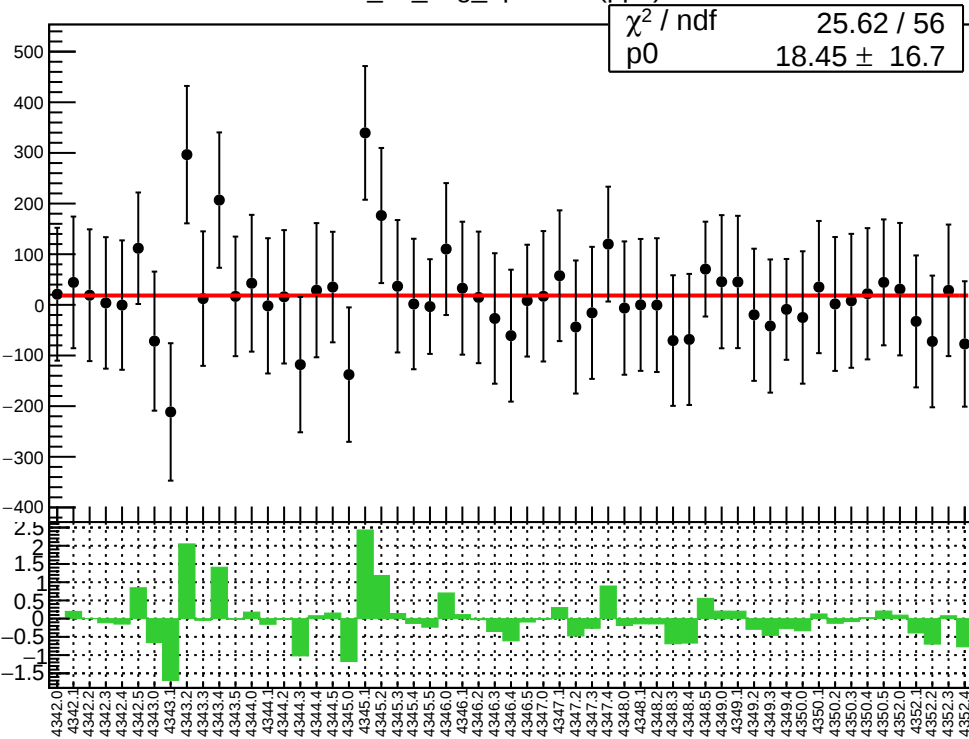
1D pull distribution



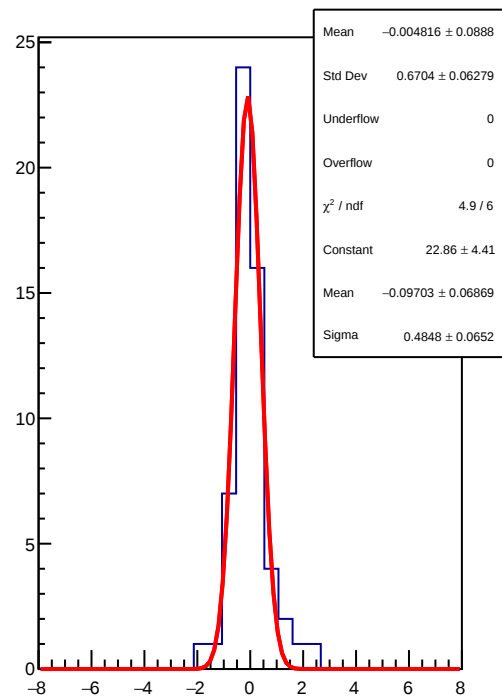
corr_us_avg_bpm11X RMS (ppm)



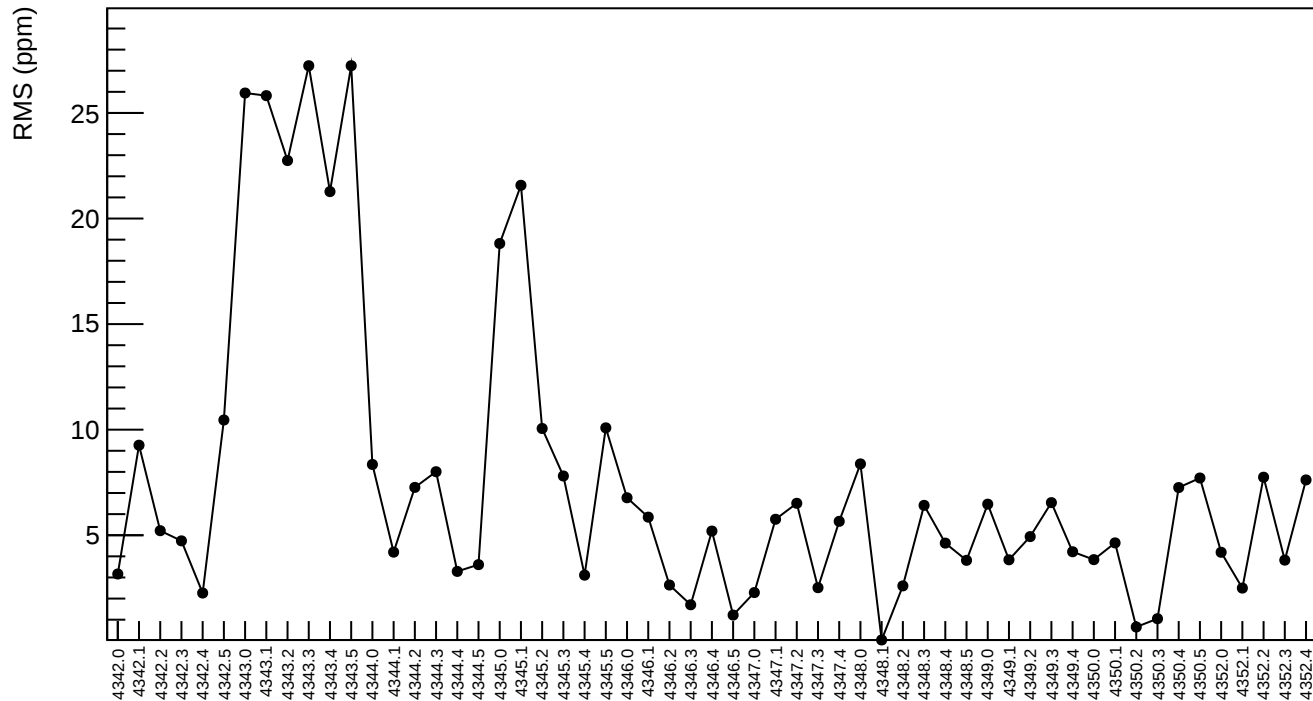
corr_us_avg_bpm11Y (ppb)



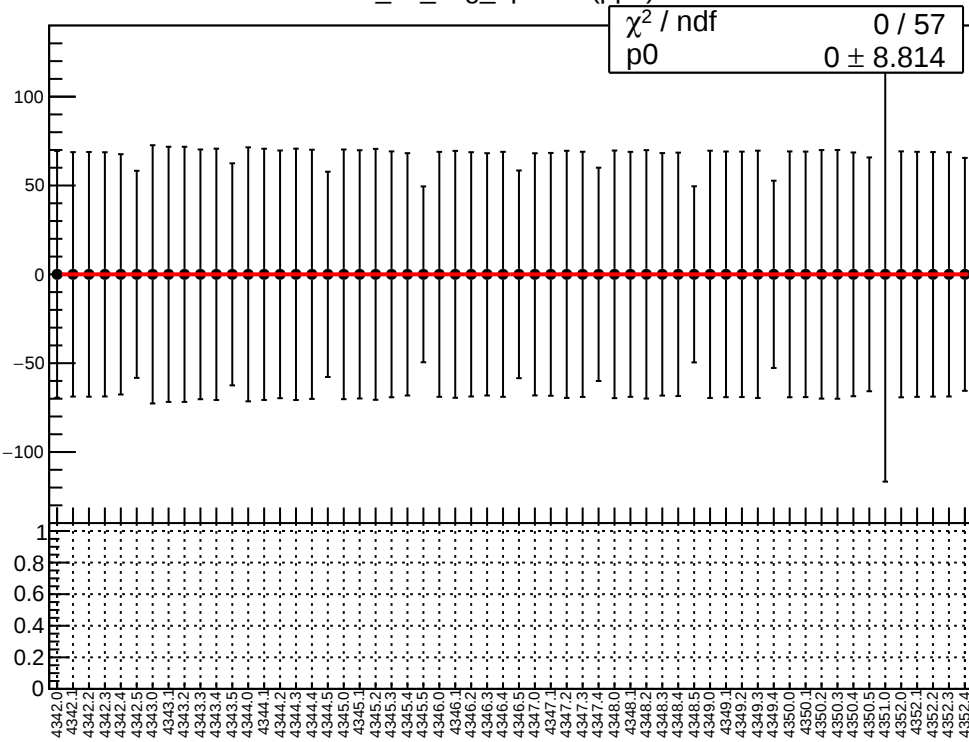
1D pull distribution



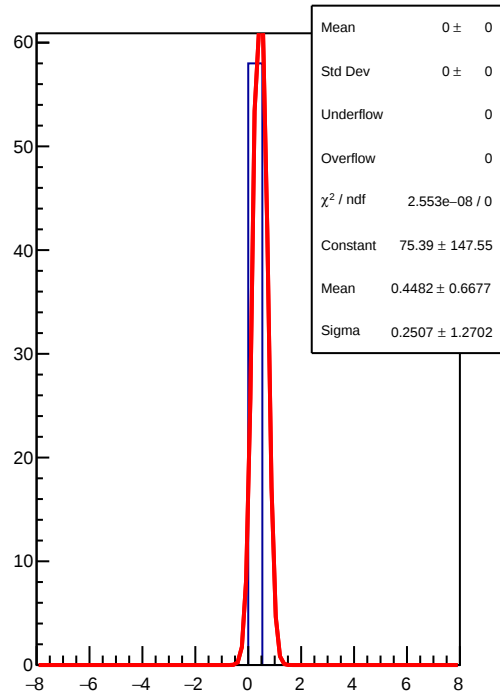
corr_us_avg_bpm11Y RMS (ppm)



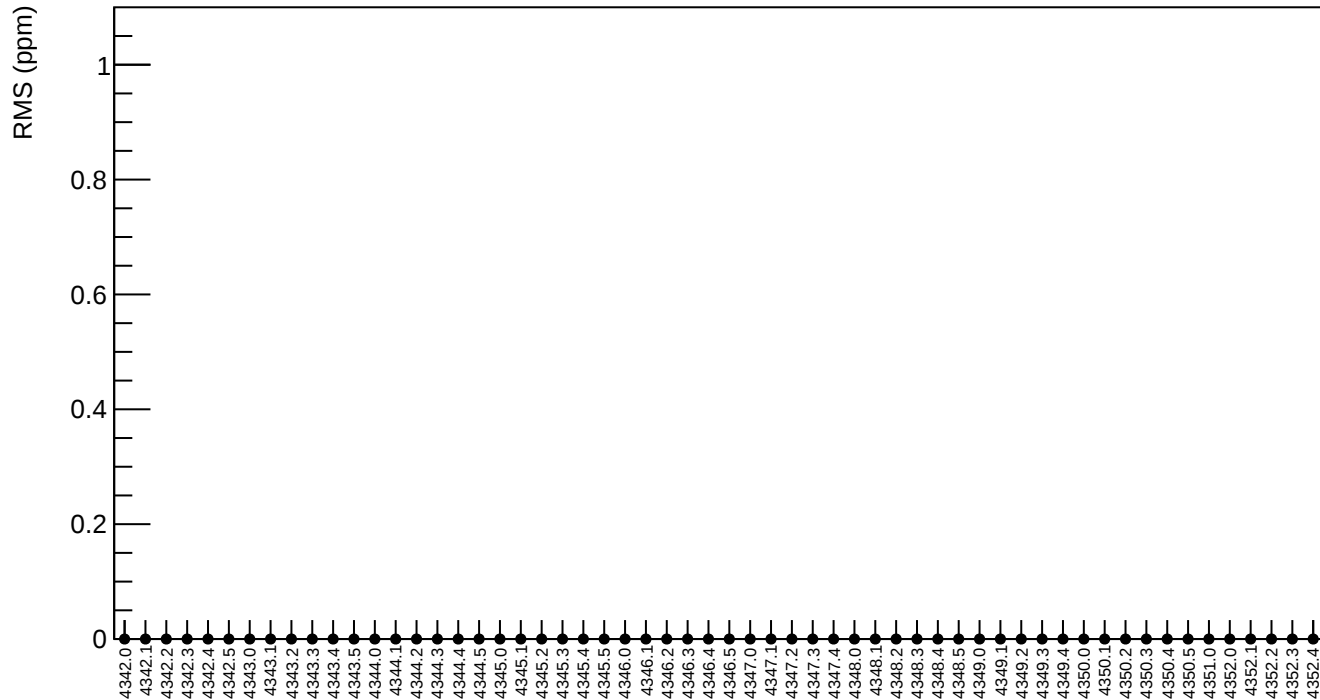
corr_us_avg_bpm8X (ppb)



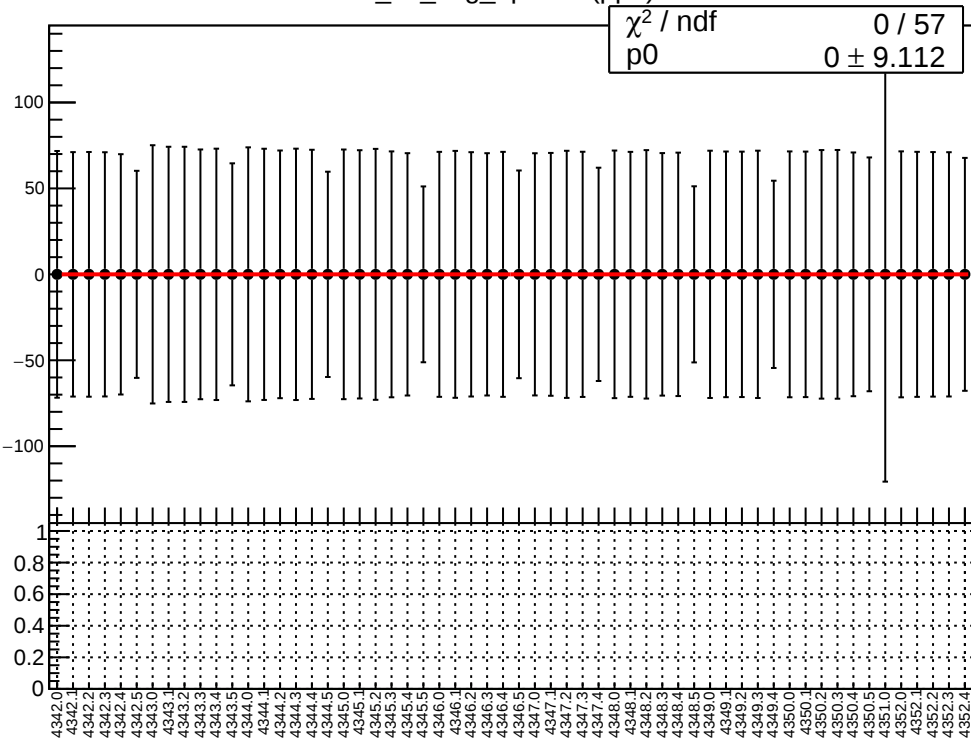
1D pull distribution



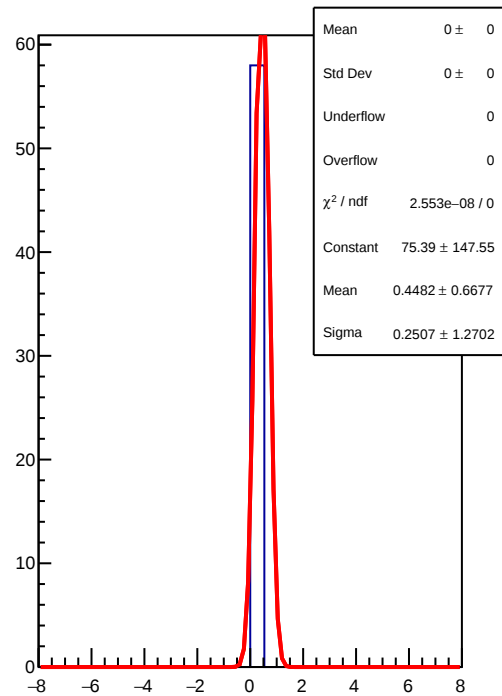
corr_us_avg_bpm8X RMS (ppm)



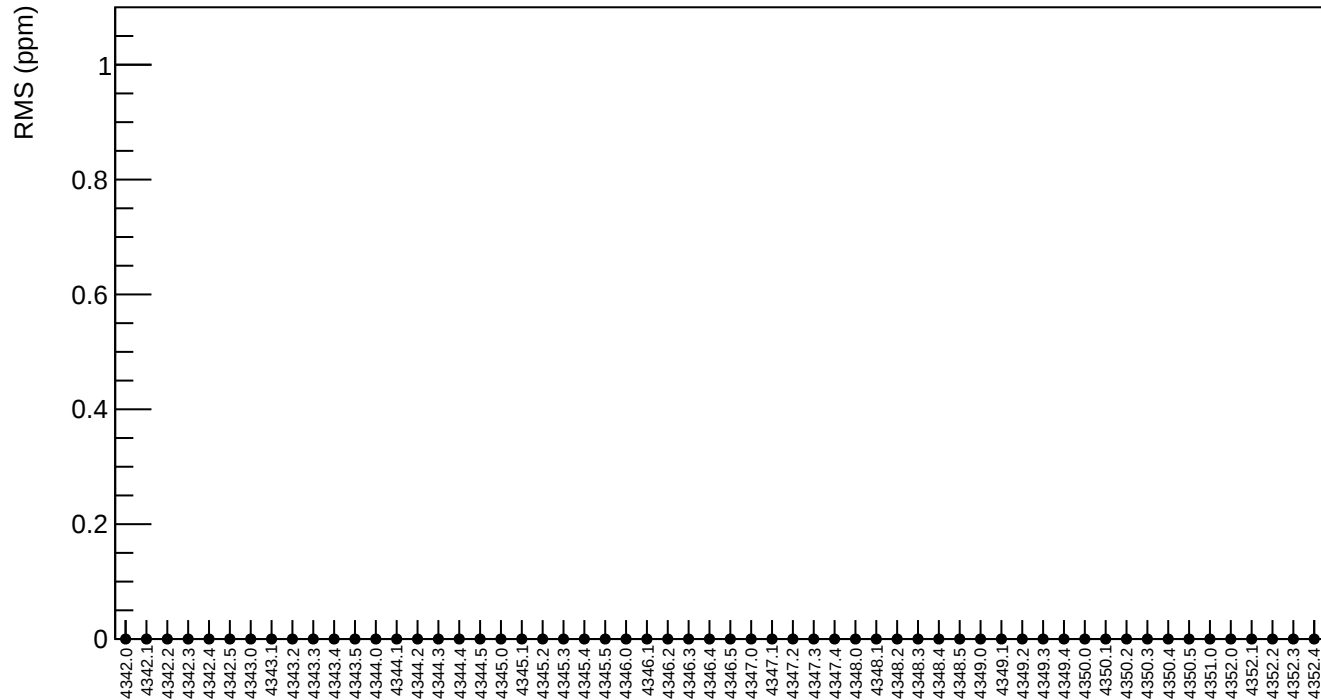
corr_us_avg_bpm8Y (ppb)



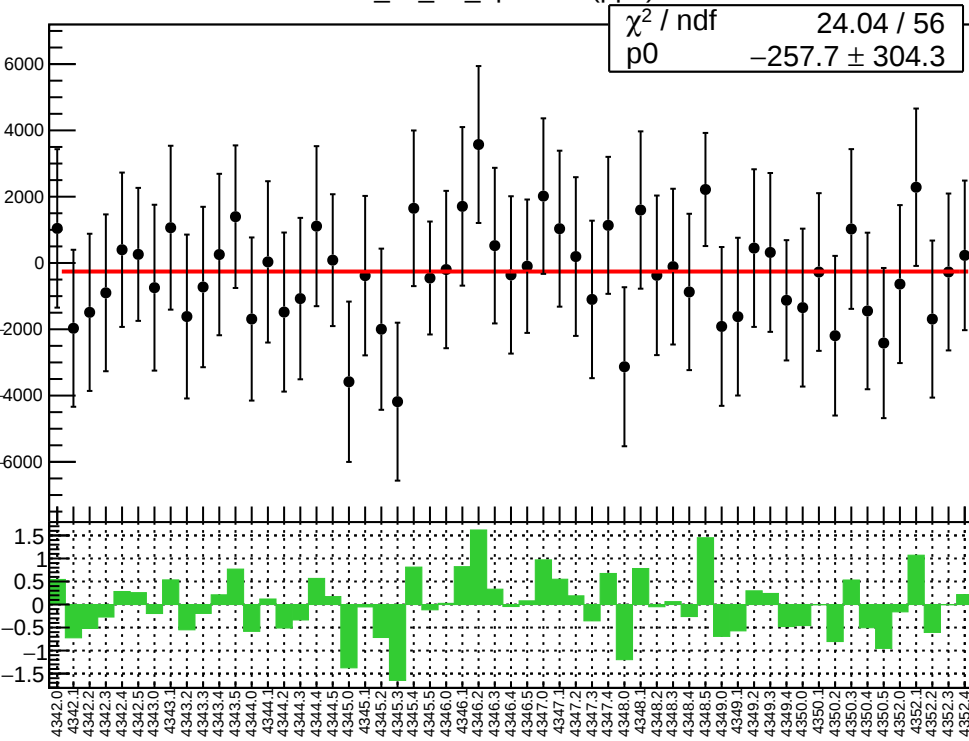
1D pull distribution



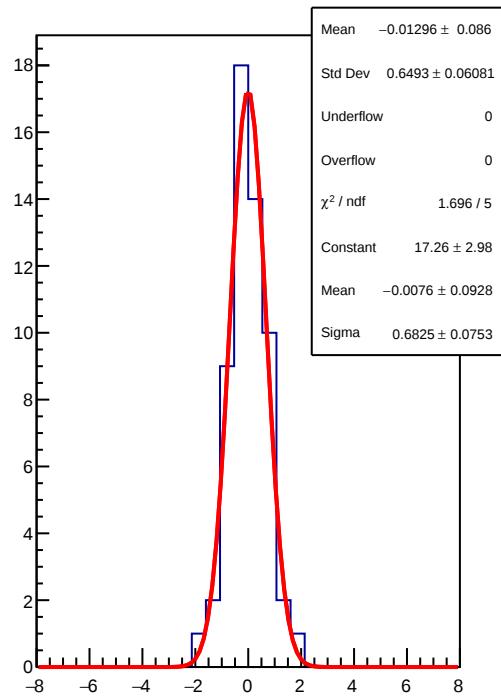
corr_us_avg_bpm8Y RMS (ppm)



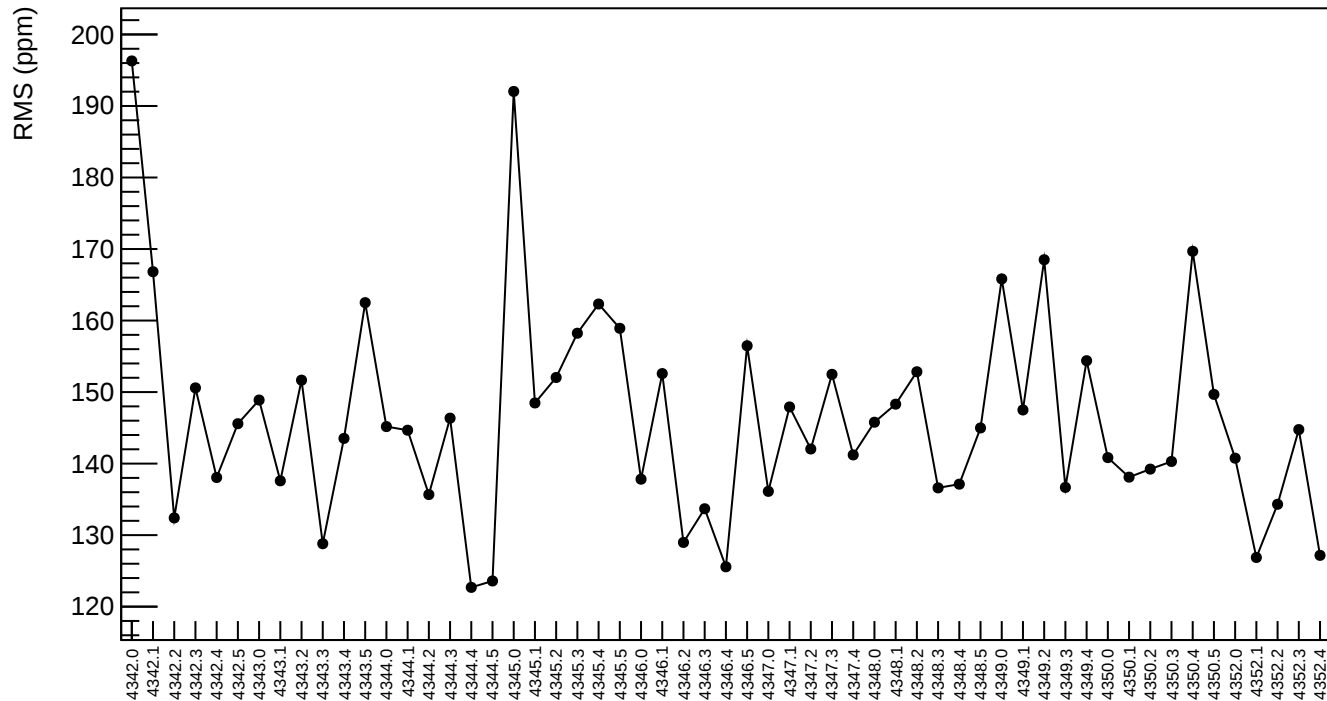
corr_us_dd_bpm4eX (ppb)



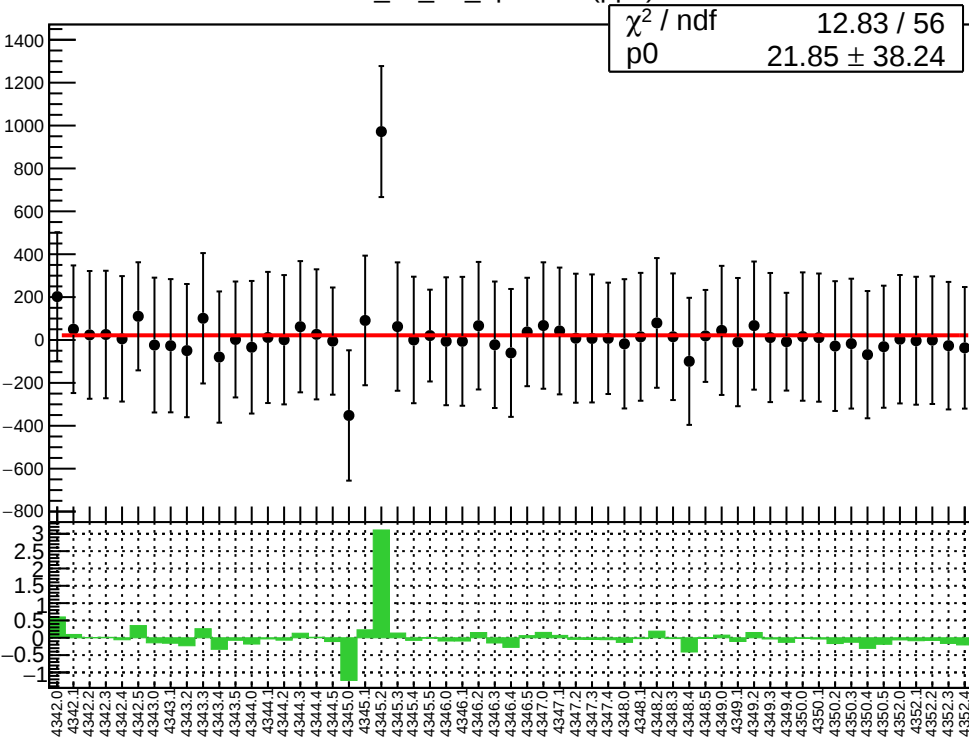
1D pull distribution



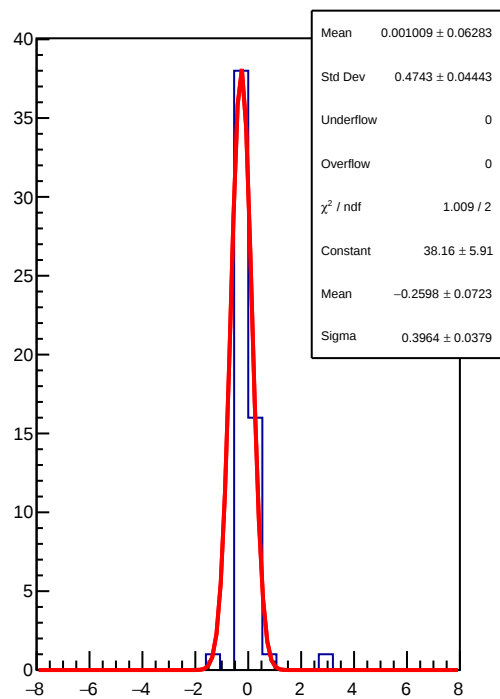
corr_us_dd_bpm4eX RMS (ppm)



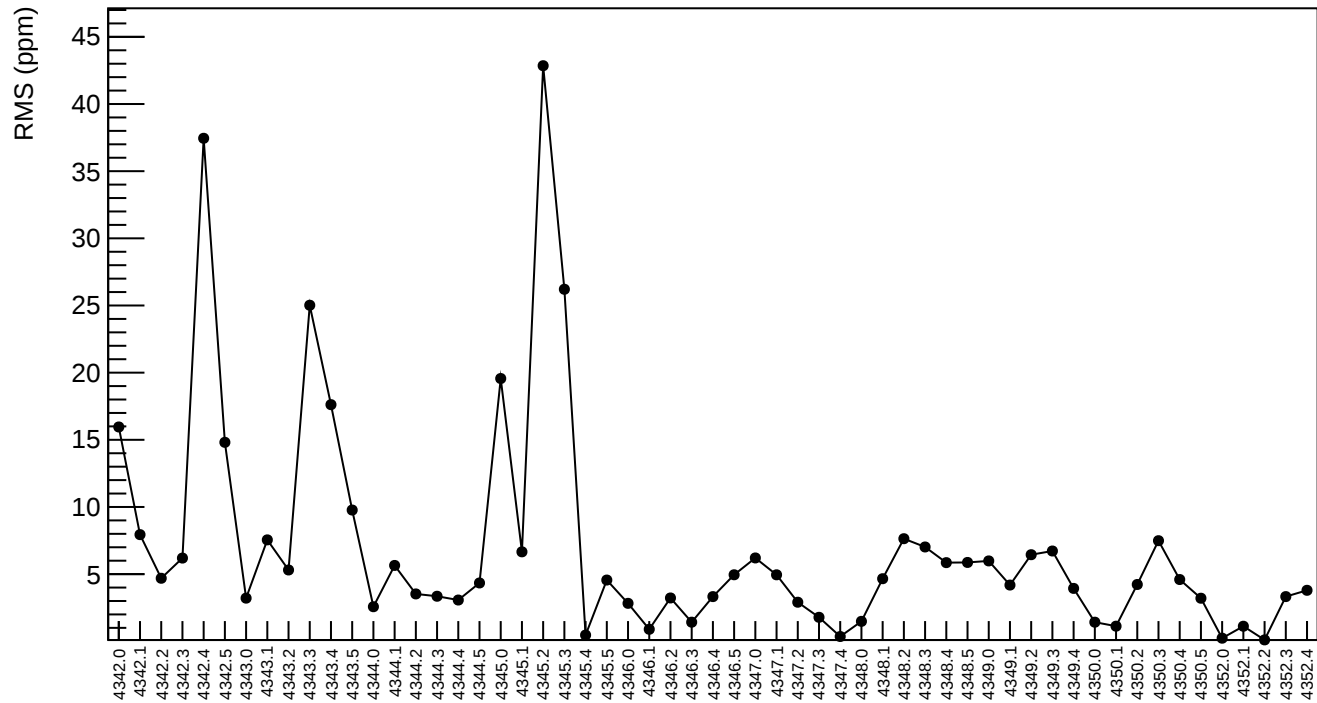
corr_us_dd_bpm4eY (ppb)



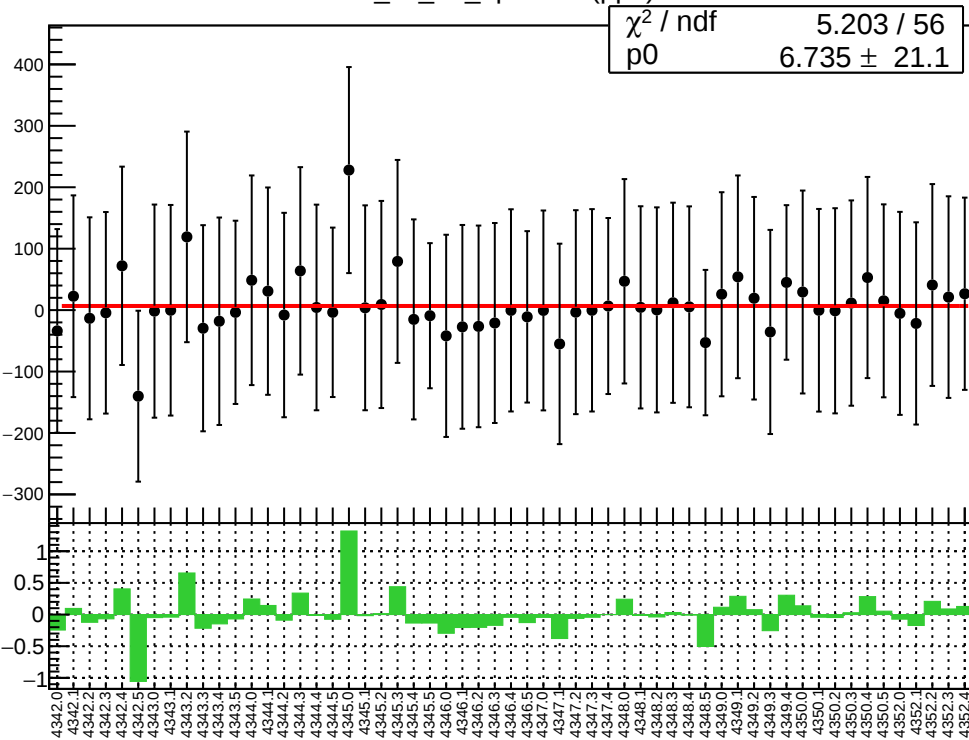
1D pull distribution



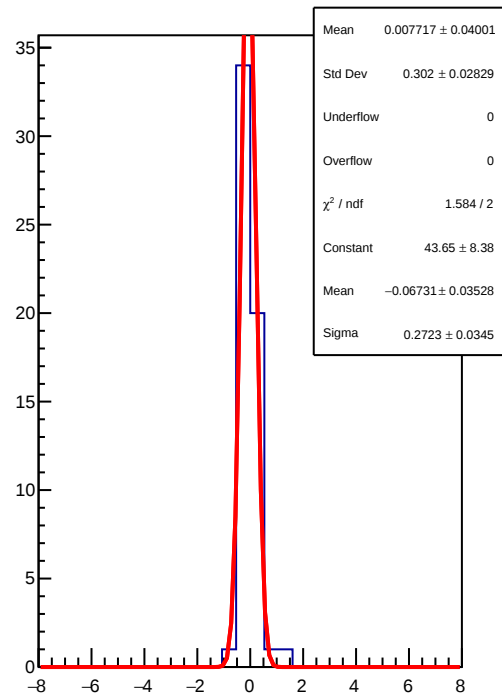
corr_us_dd_bpm4eY RMS (ppm)



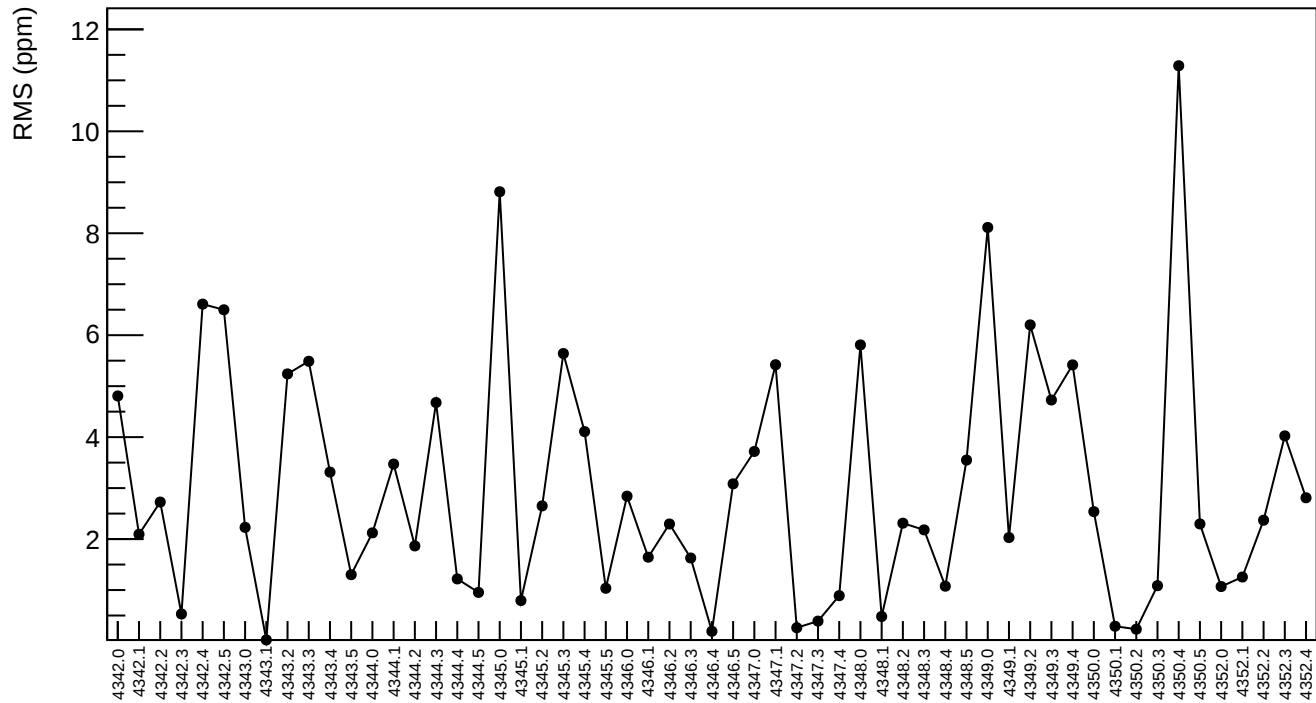
corr_us_dd_bpm4aX (ppb)



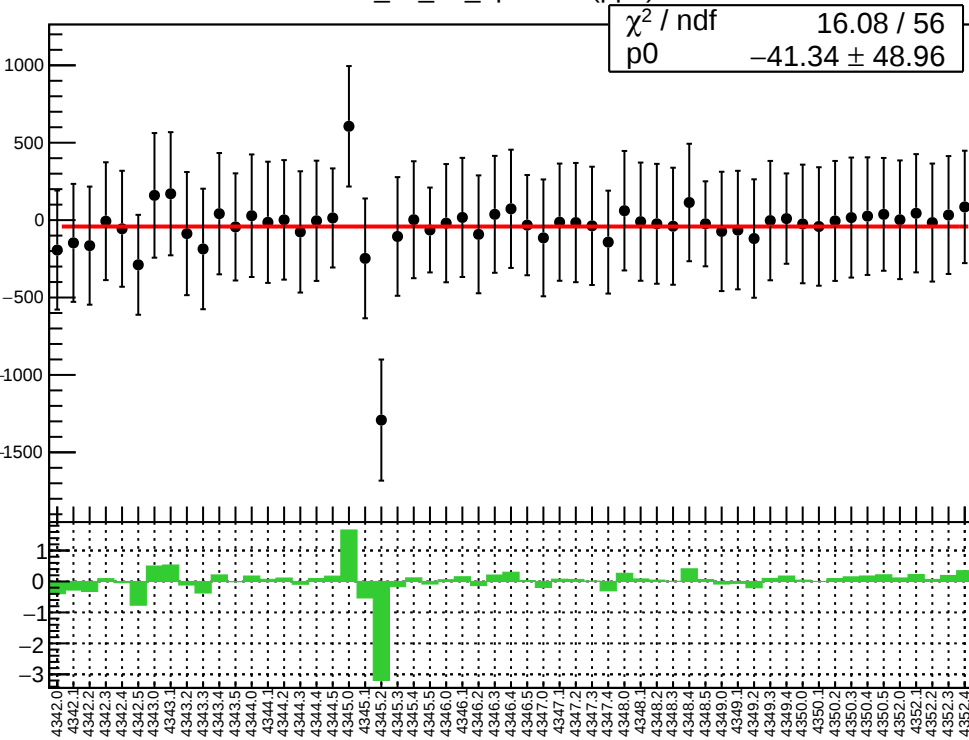
1D pull distribution



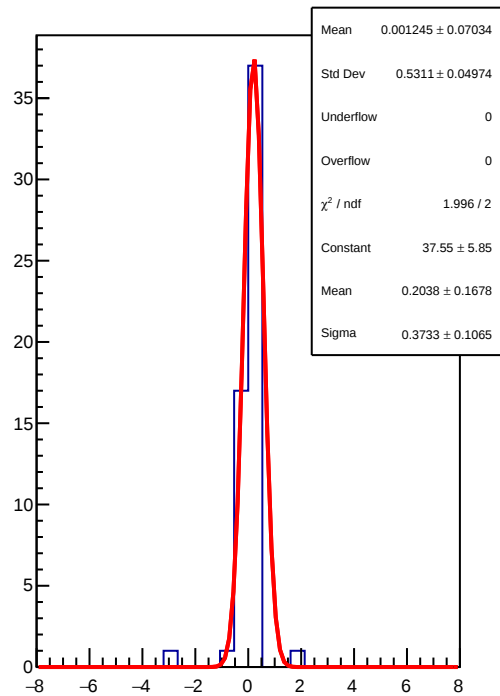
corr_us_dd_bpm4aX RMS (ppm)



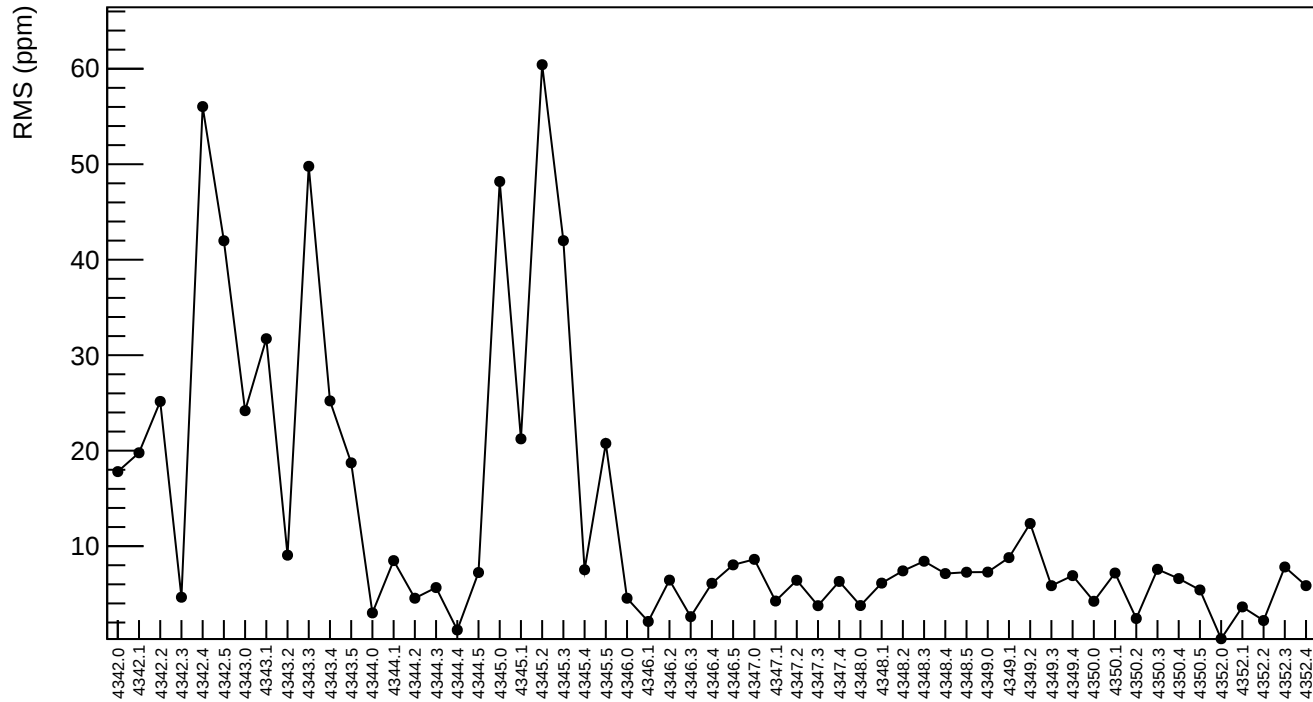
corr_us_dd_bpm4aY (ppb)



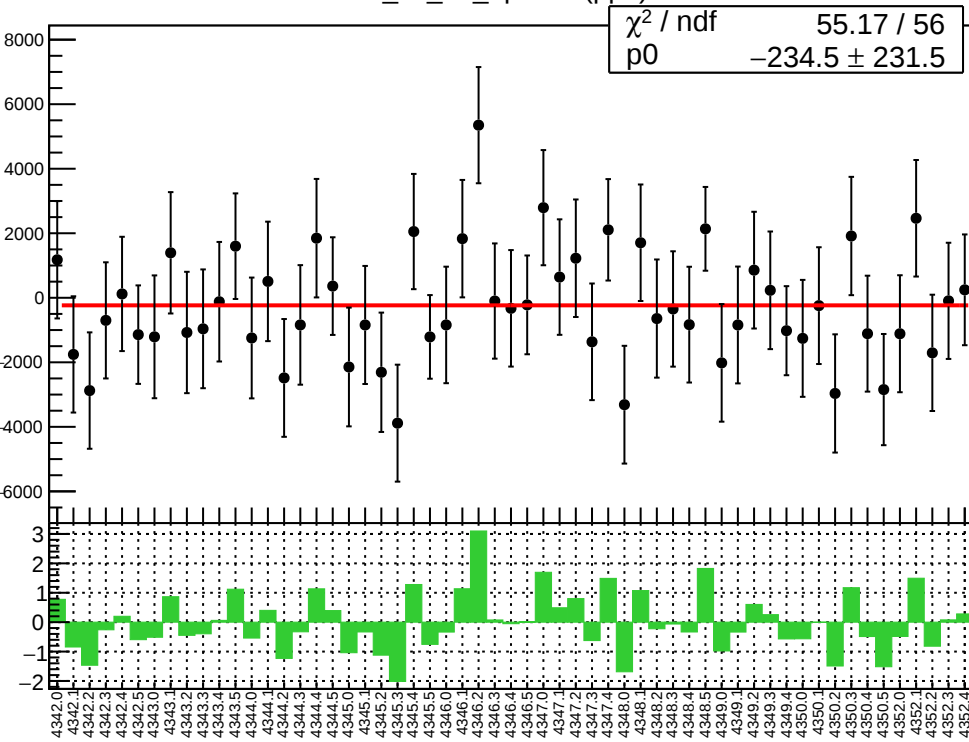
1D pull distribution



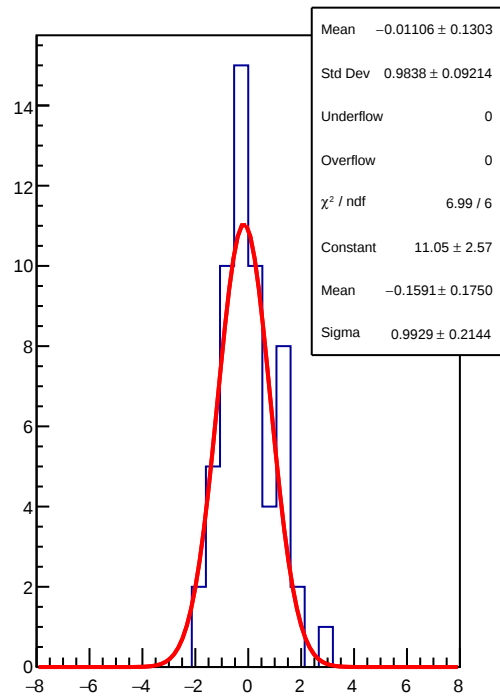
corr_us_dd_bpm4aY RMS (ppm)



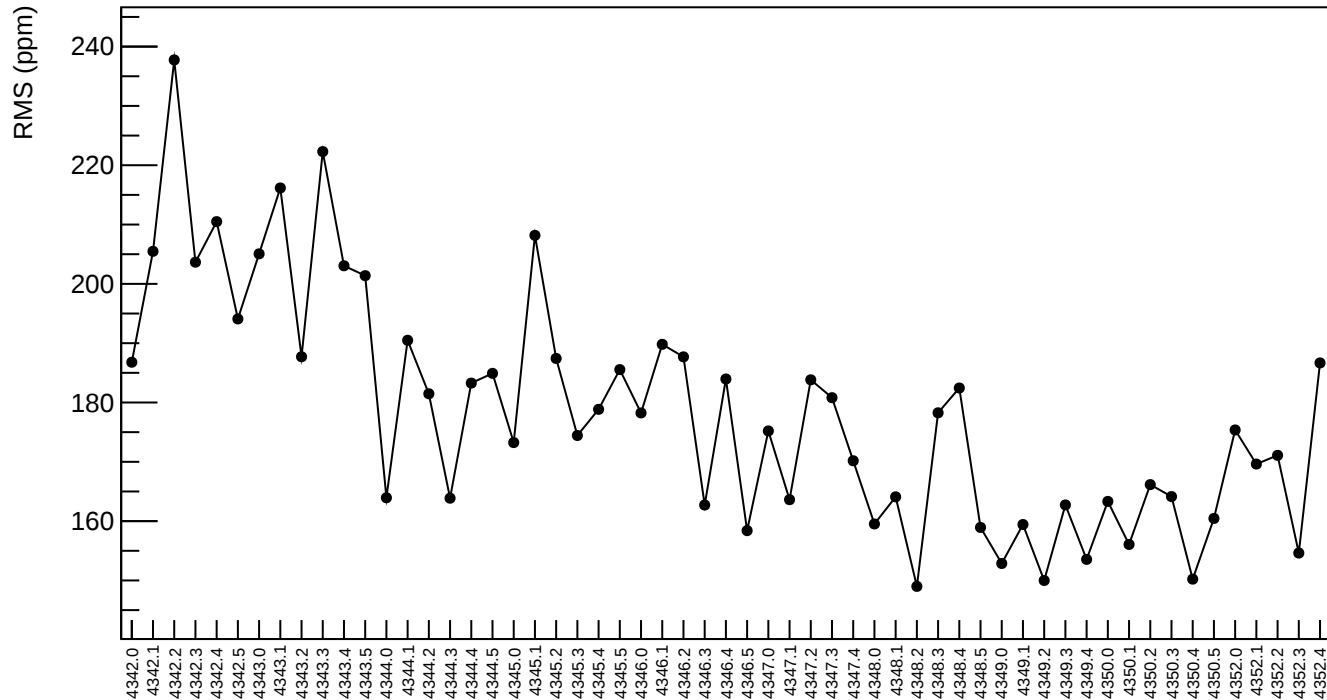
corr_us_dd_bpm1X (ppb)



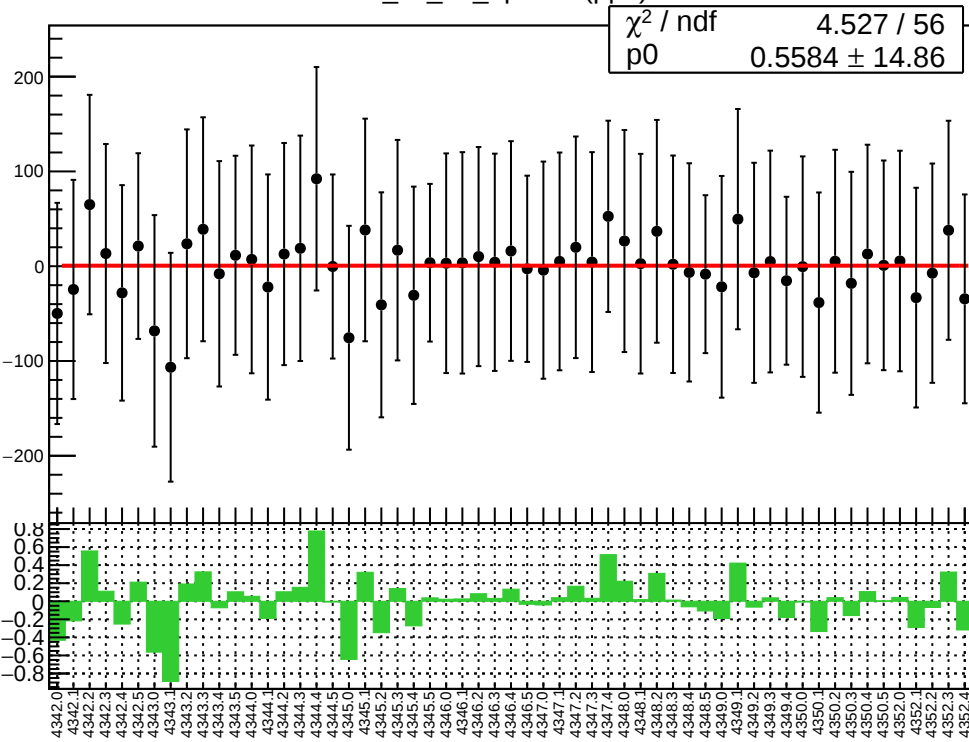
1D pull distribution



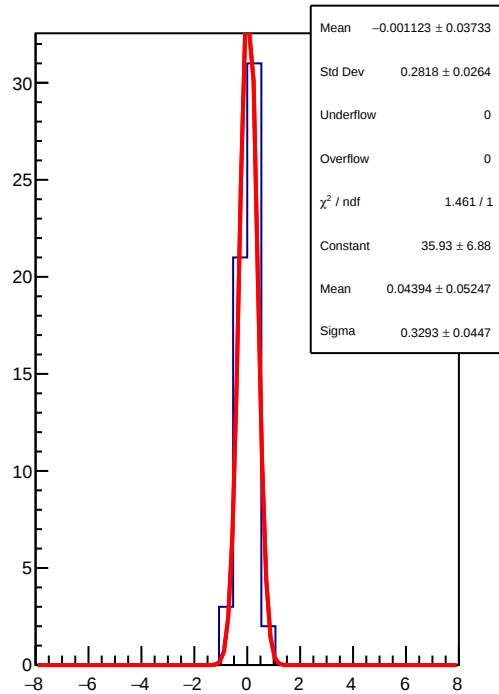
corr_us_dd_bpm1X RMS (ppm)



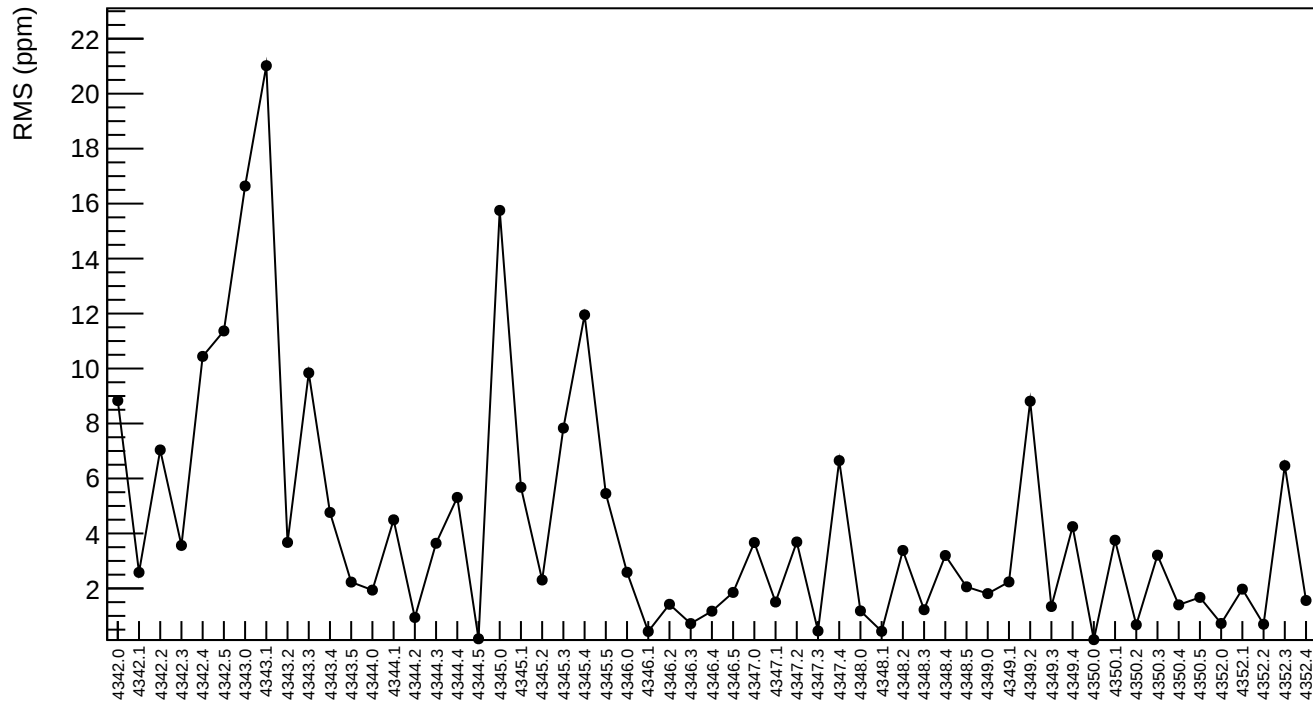
corr_us_dd_bpm1Y (ppb)



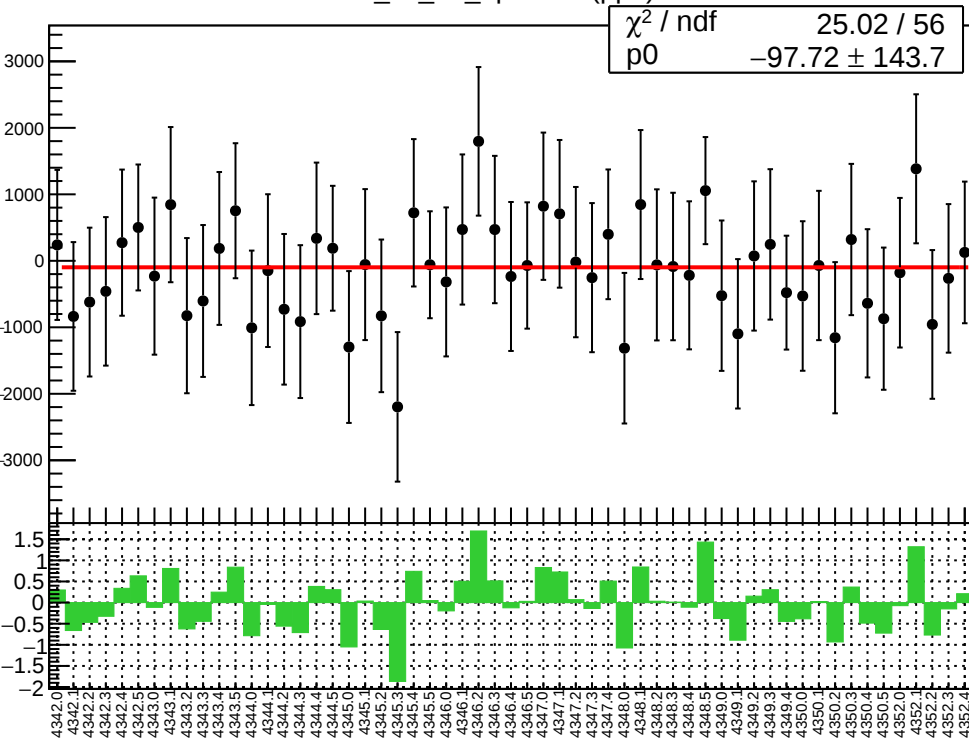
1D pull distribution



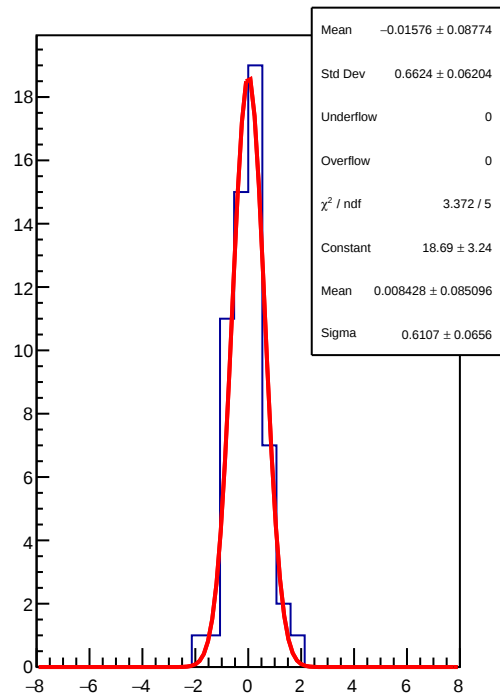
corr_us_dd_bpm1Y RMS (ppm)



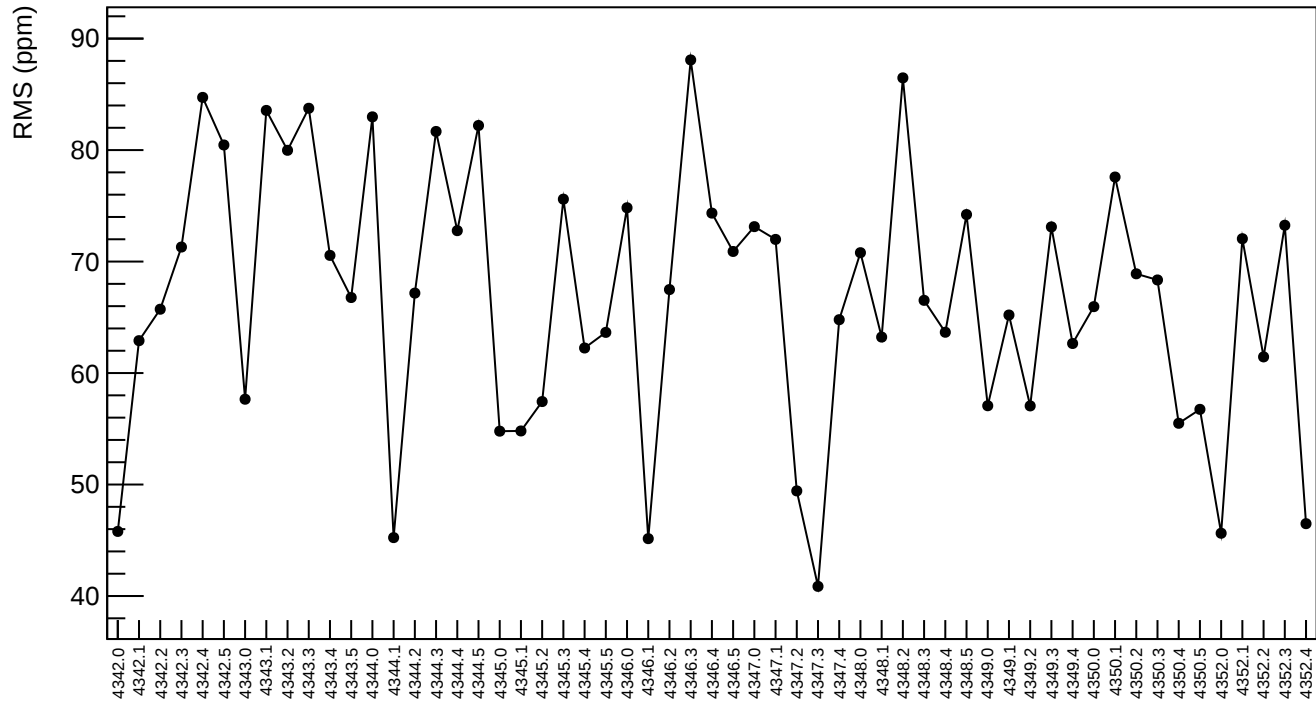
corr_us_dd_bpm16X (ppb)



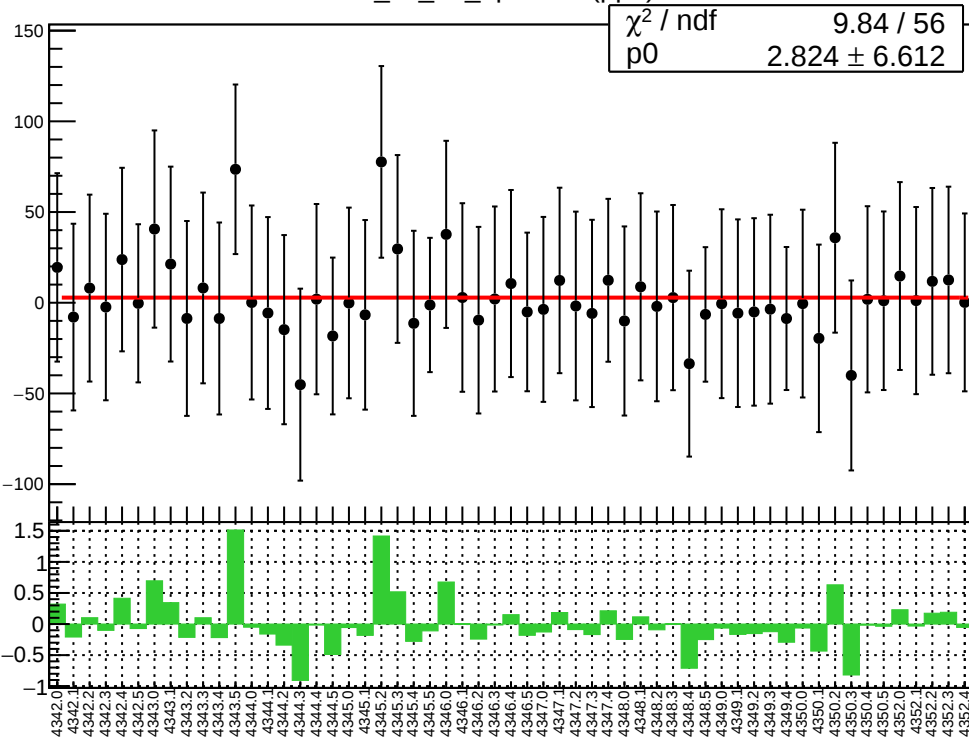
1D pull distribution



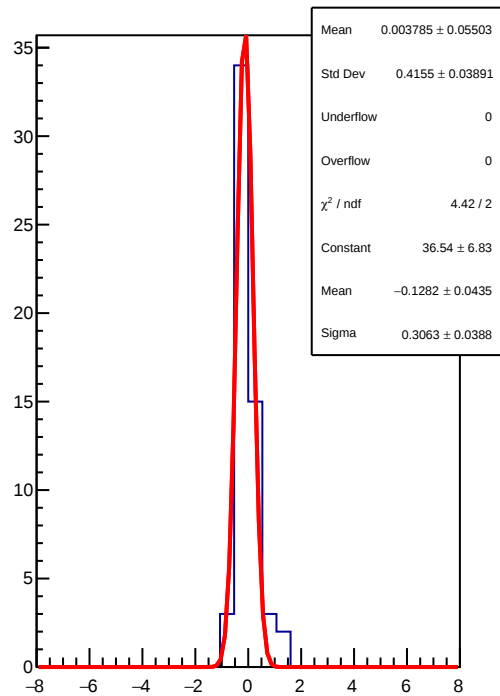
corr_us_dd_bpm16X RMS (ppm)



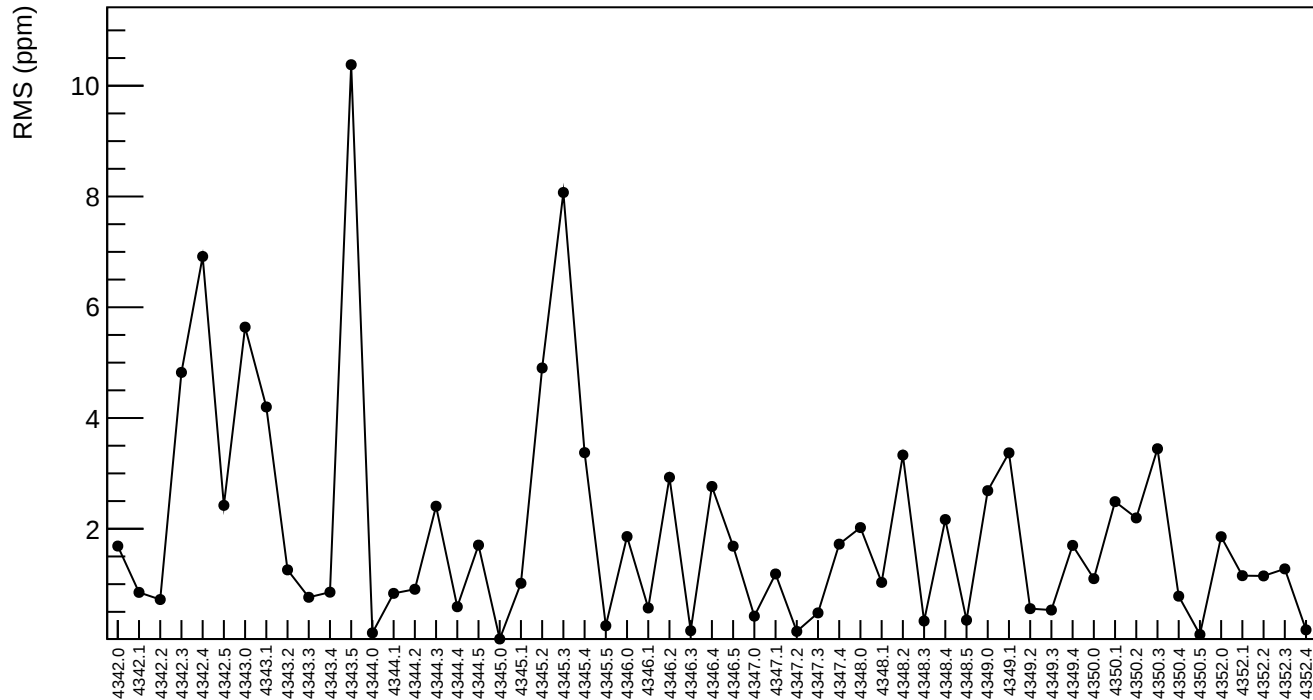
corr_us_dd_bpm16Y (ppb)



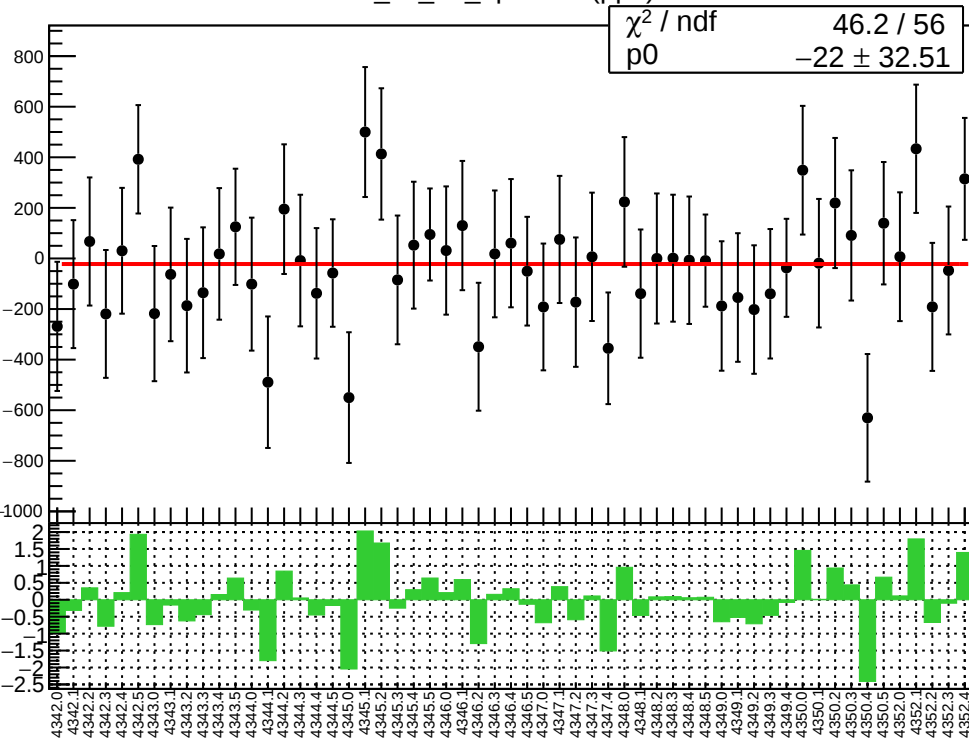
1D pull distribution



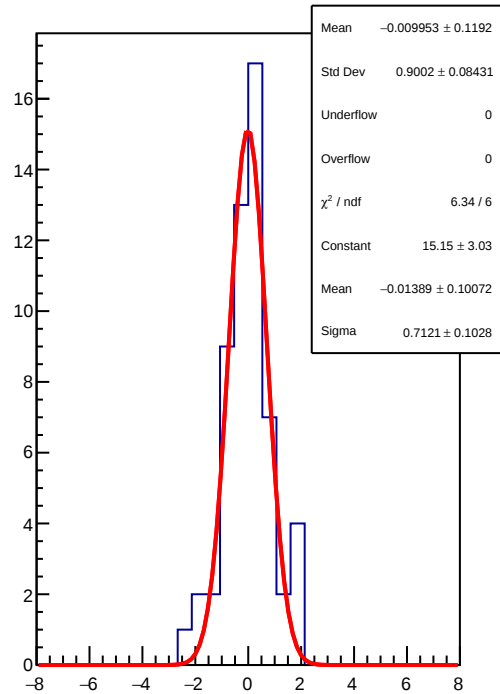
corr_us_dd_bpm16Y RMS (ppm)



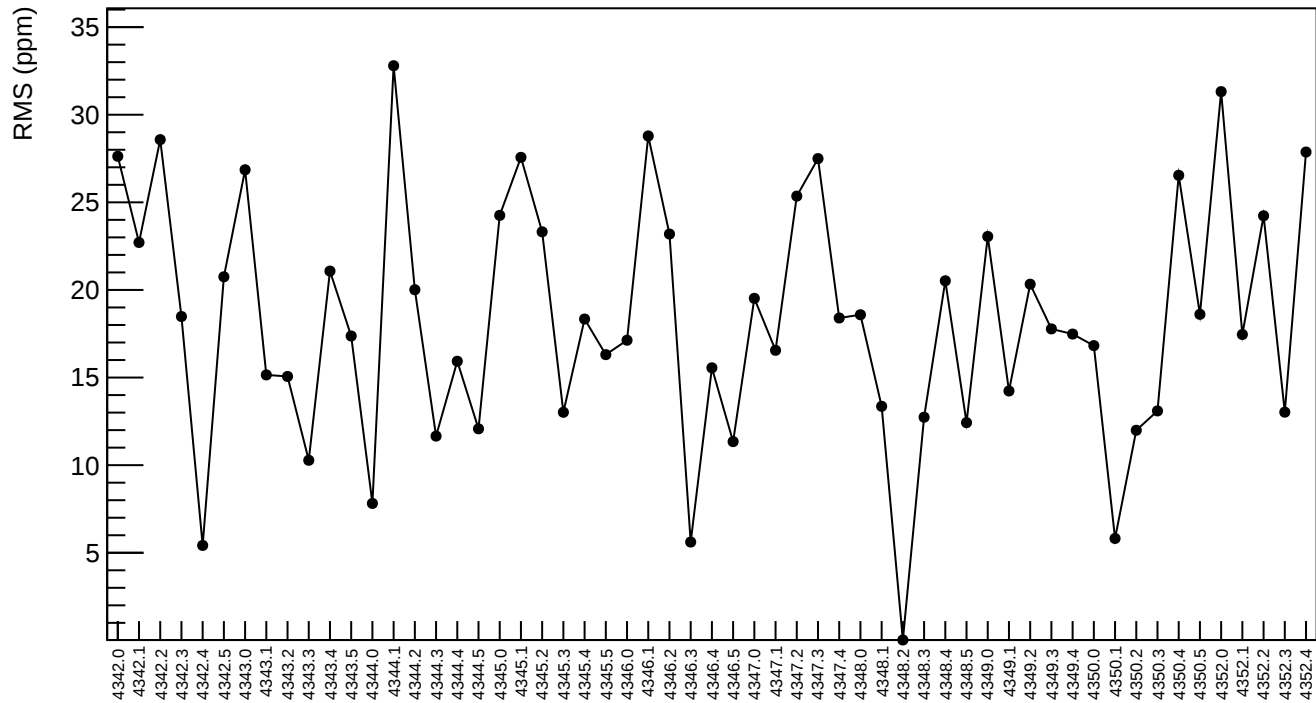
corr_us_dd_bpm12X (ppb)



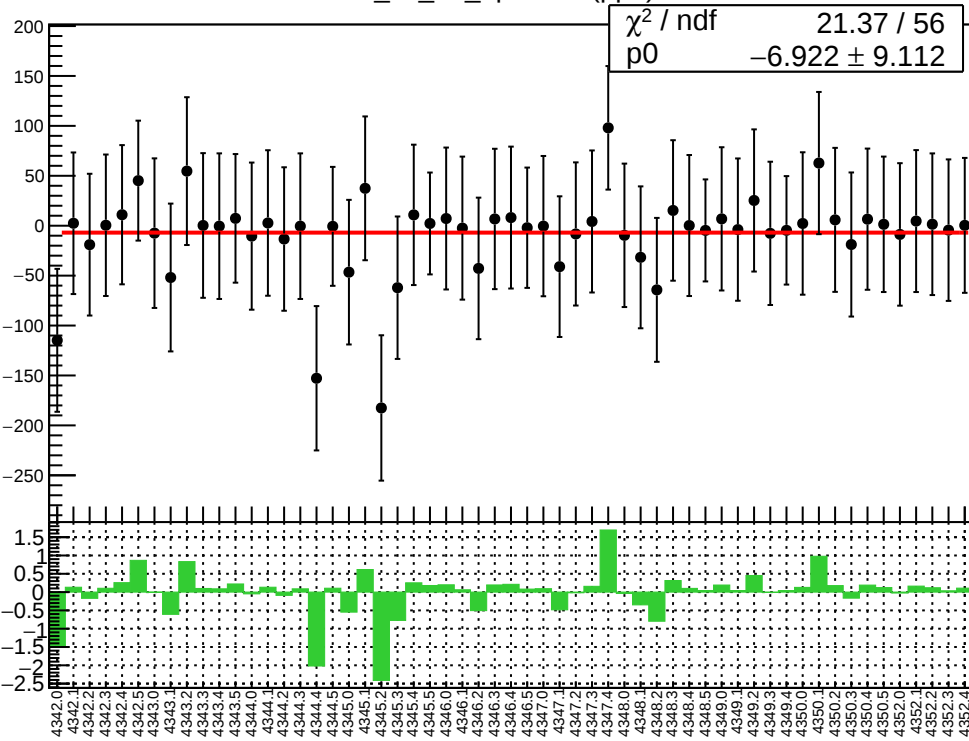
1D pull distribution



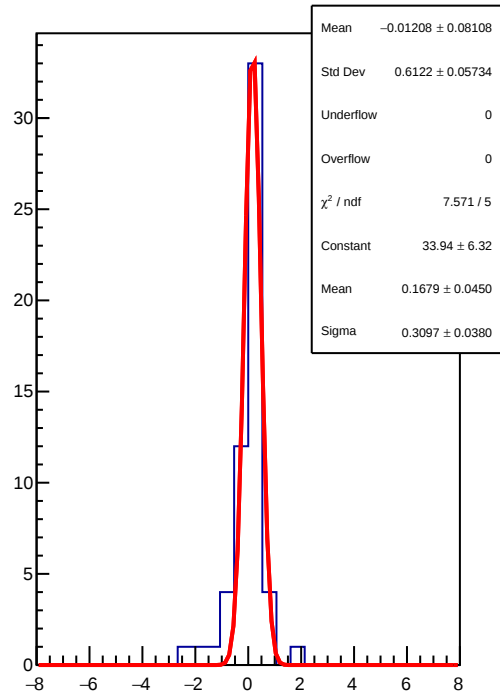
corr_us_dd_bpm12X RMS (ppm)



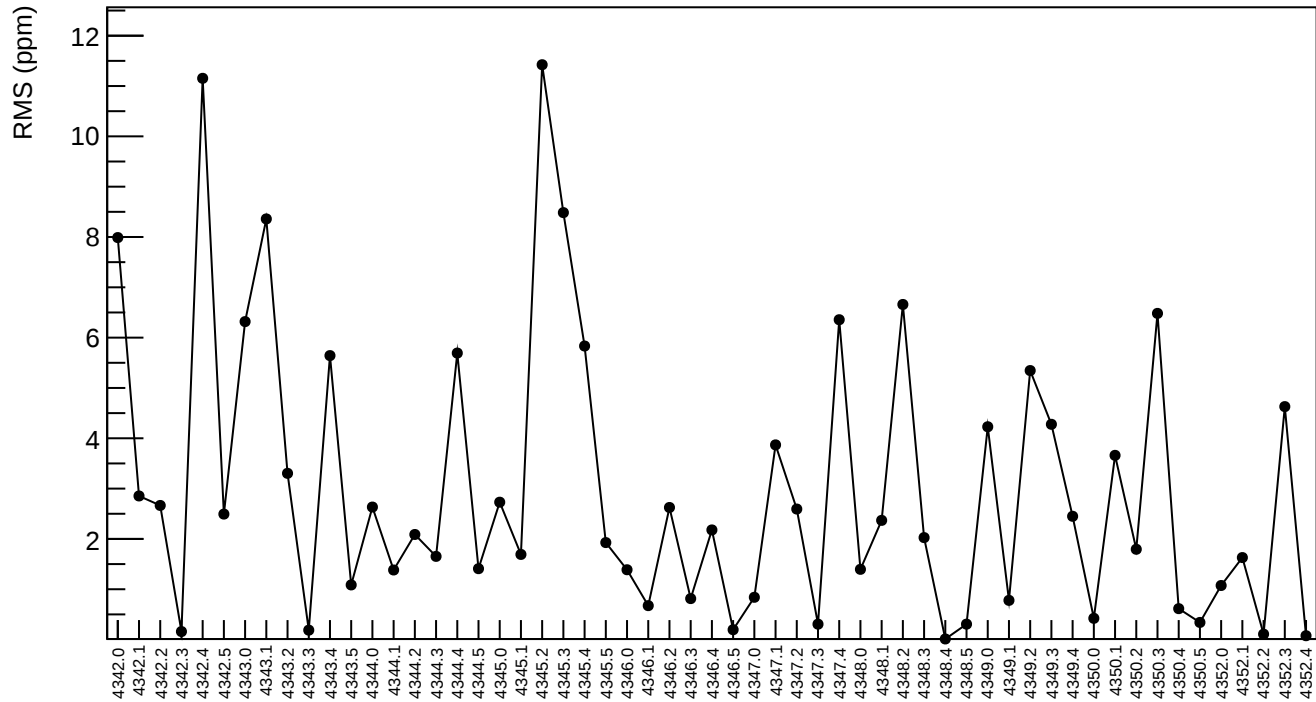
corr_us_dd_bpm12Y (ppb)



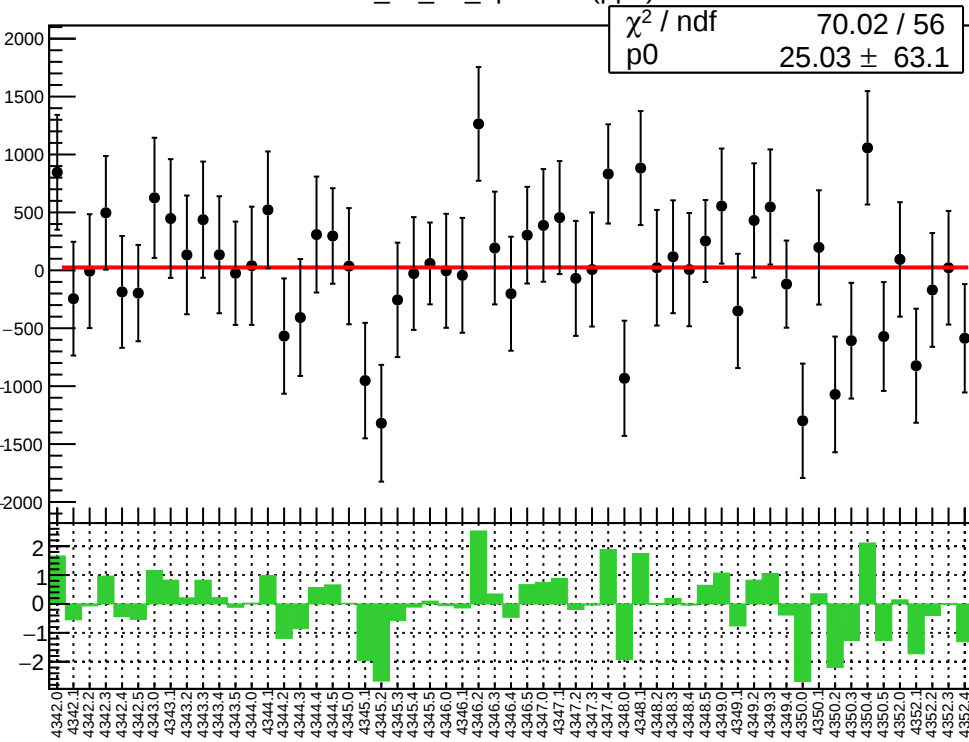
1D pull distribution



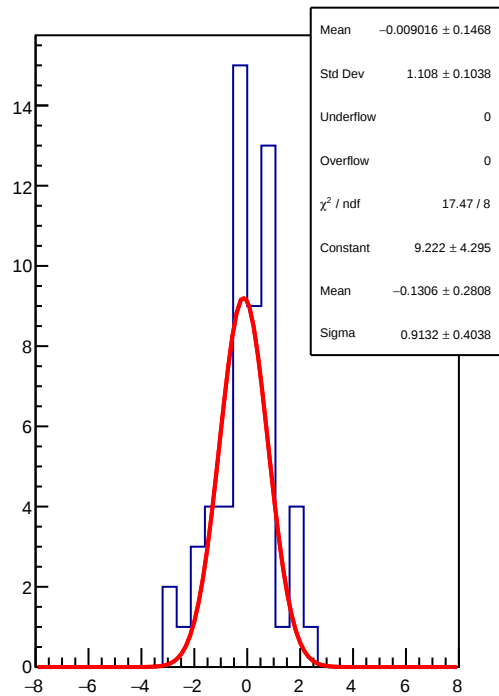
corr_us_dd_bpm12Y RMS (ppm)



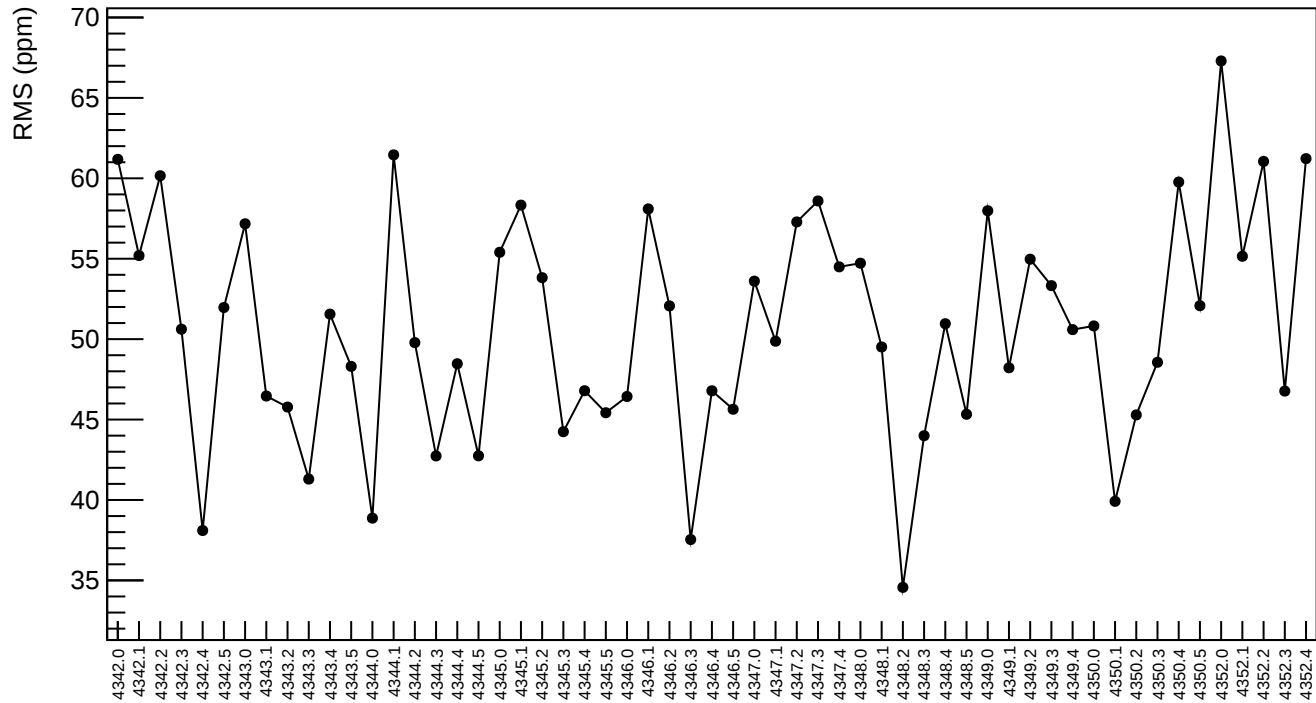
corr_us_dd_bpm11X (ppb)



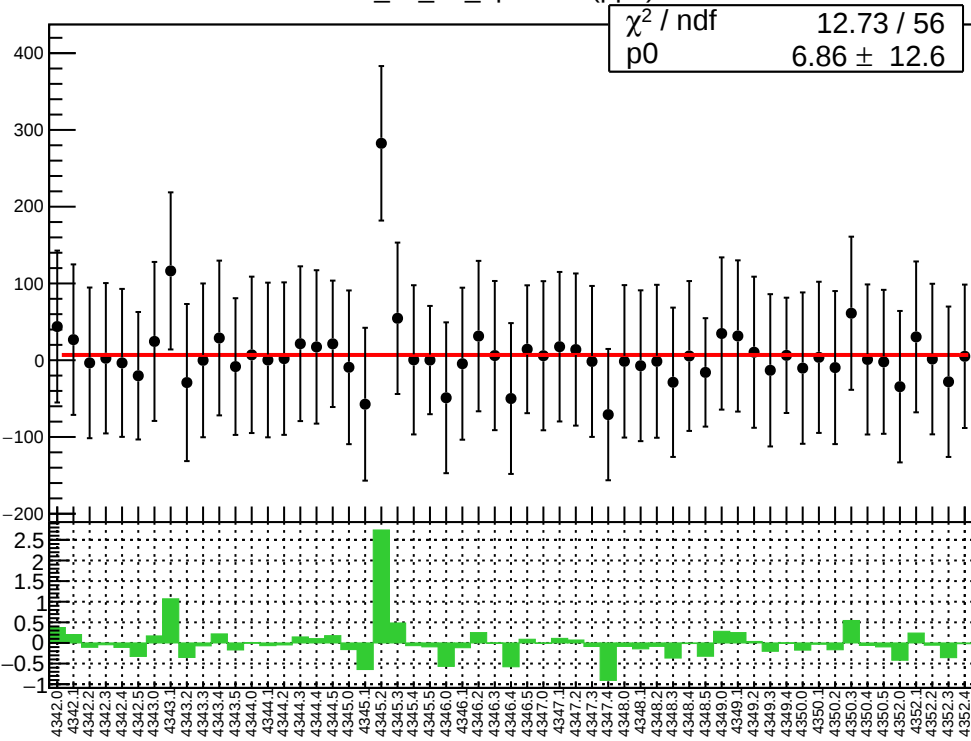
1D pull distribution



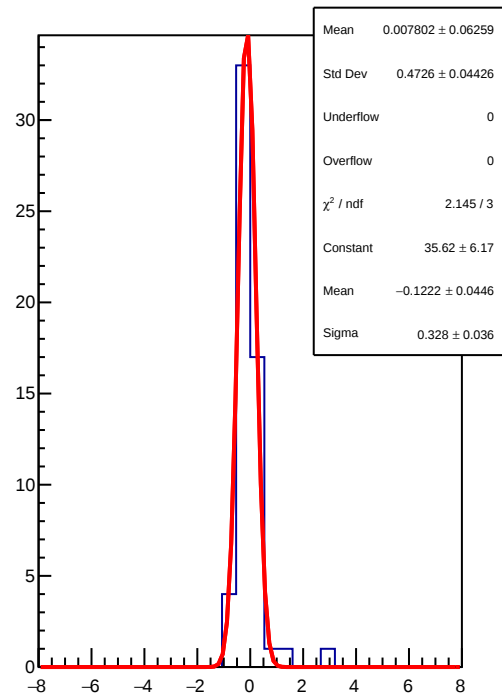
corr_us_dd_bpm11X RMS (ppm)



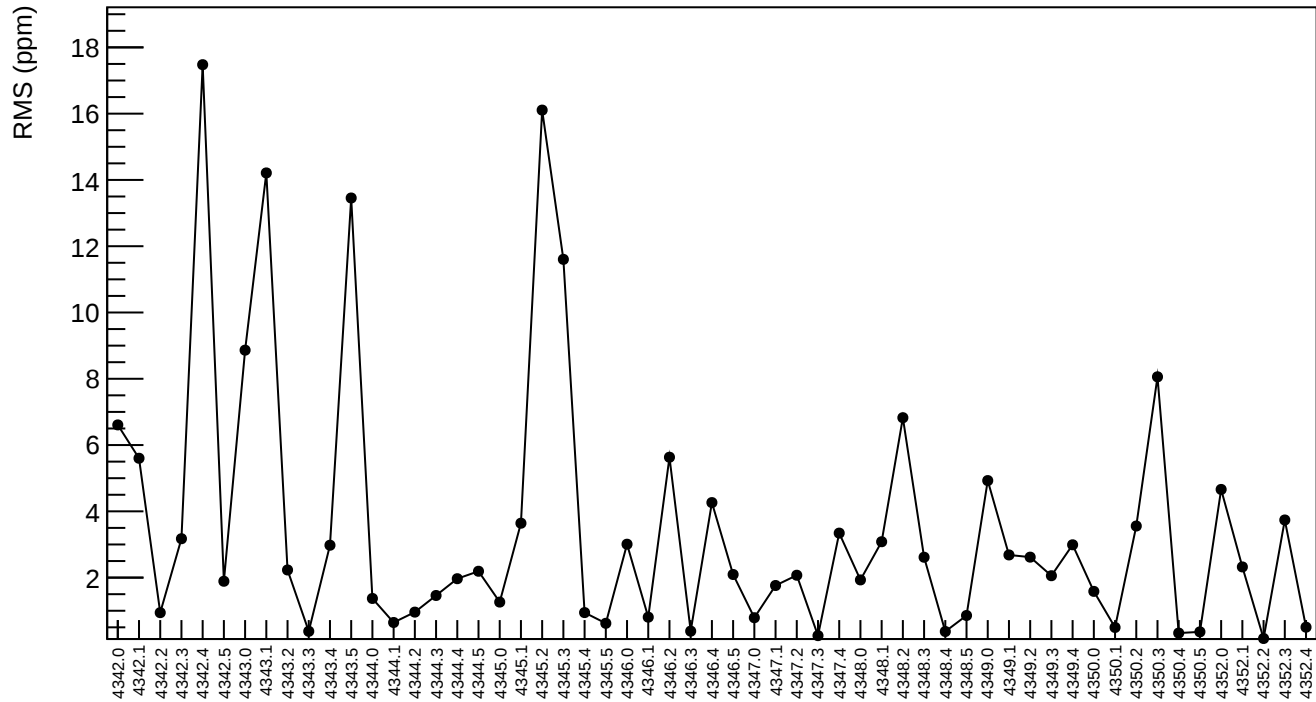
corr_us_dd_bpm11Y (ppb)



1D pull distribution



corr_us_dd_bpm11Y RMS (ppm)

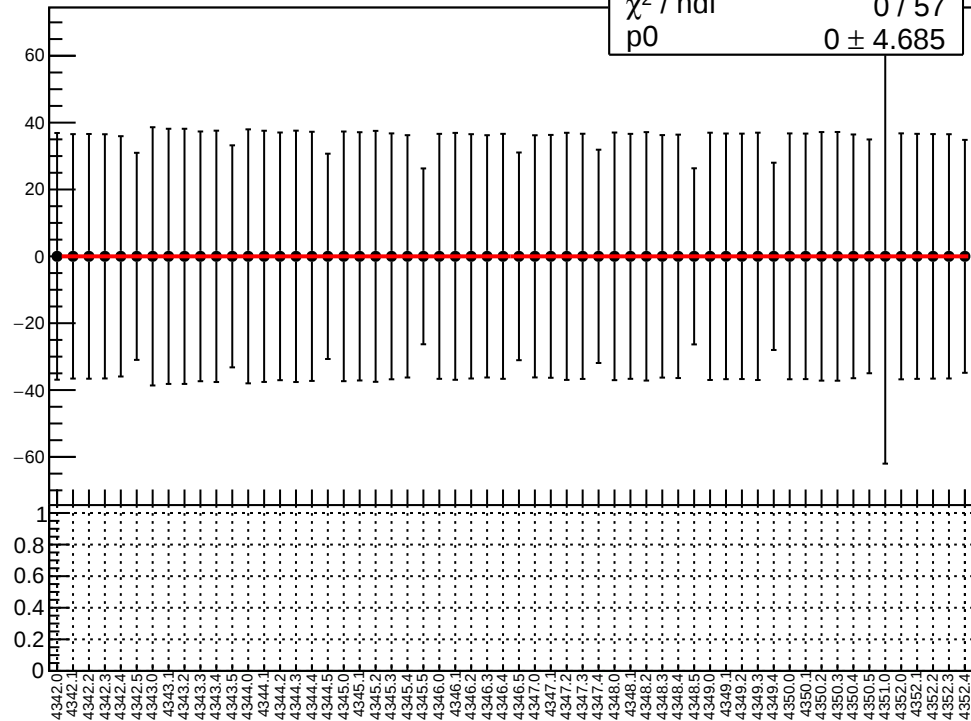


corr_us_dd_bpm8X (ppb)

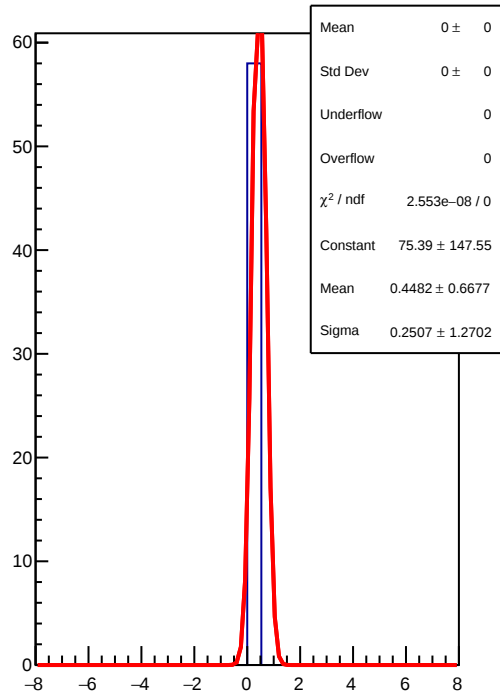
 χ^2 / nfd

0 / 57

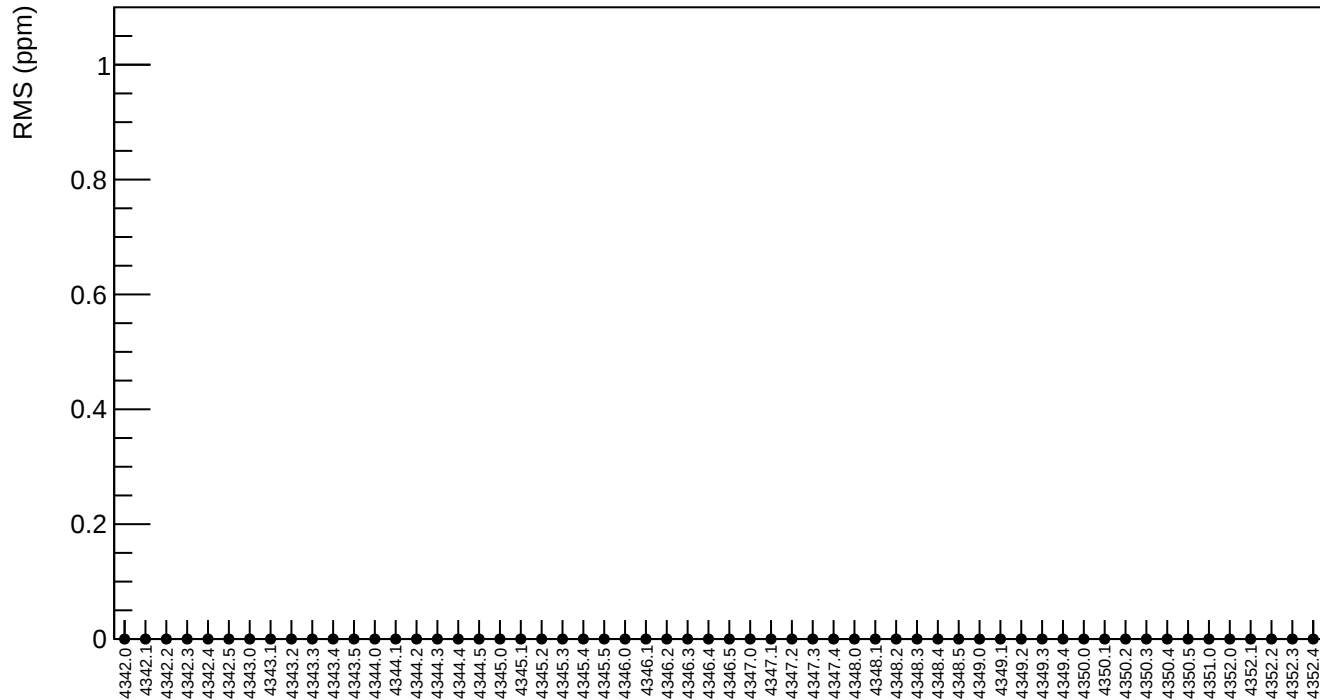
p0

 0 ± 4.685 

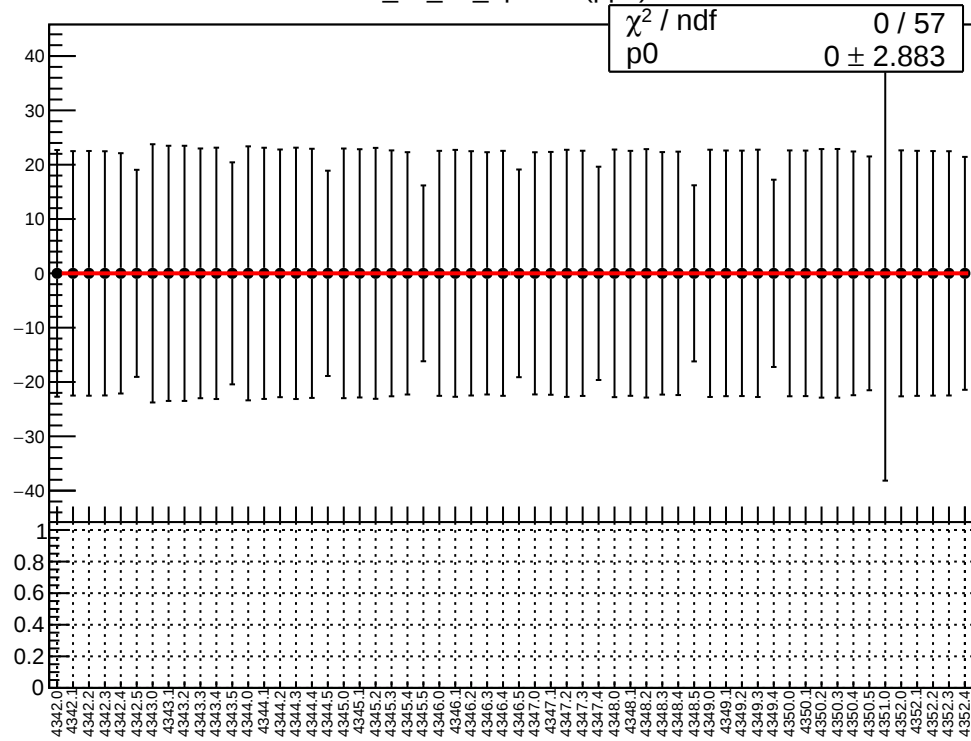
1D pull distribution



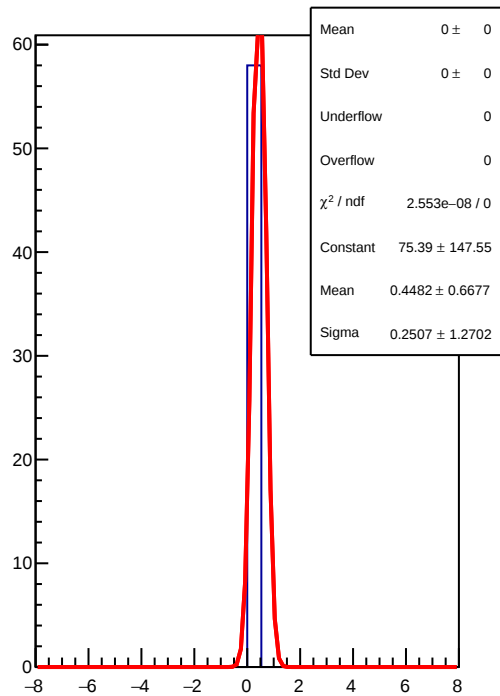
corr_us_dd_bpm8X RMS (ppm)



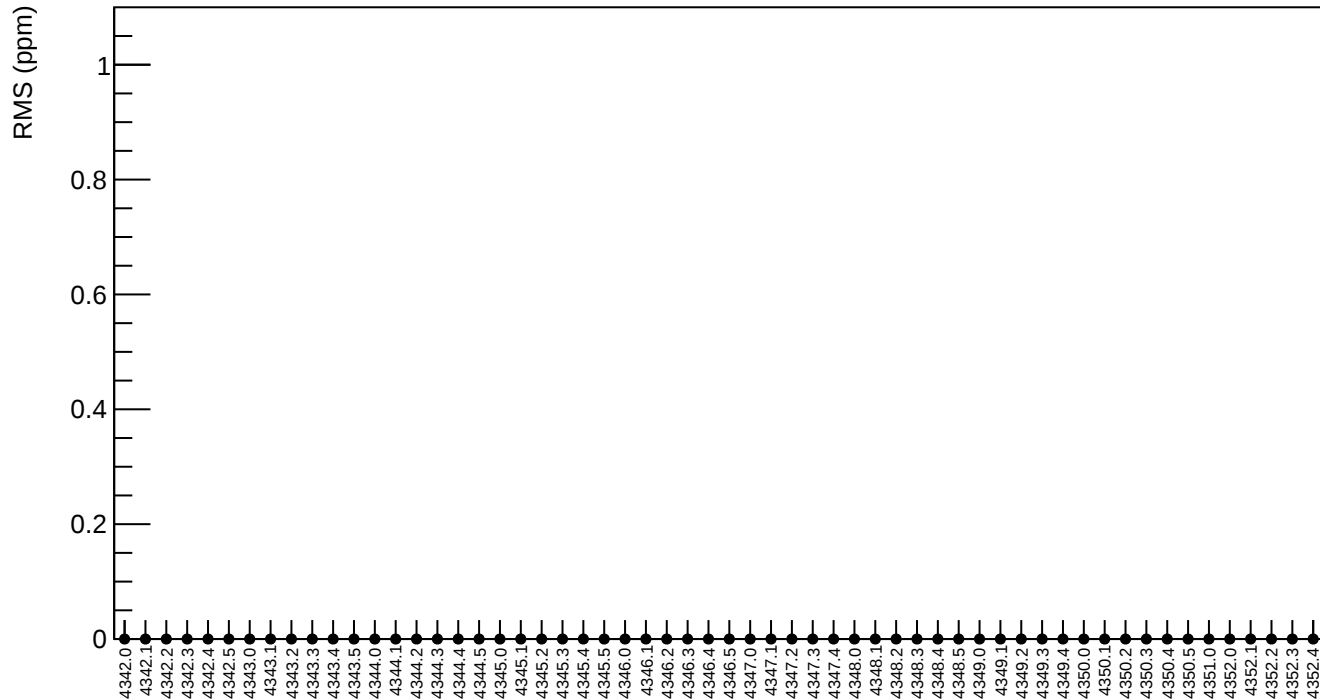
corr_us_dd_bpm8Y (ppb)



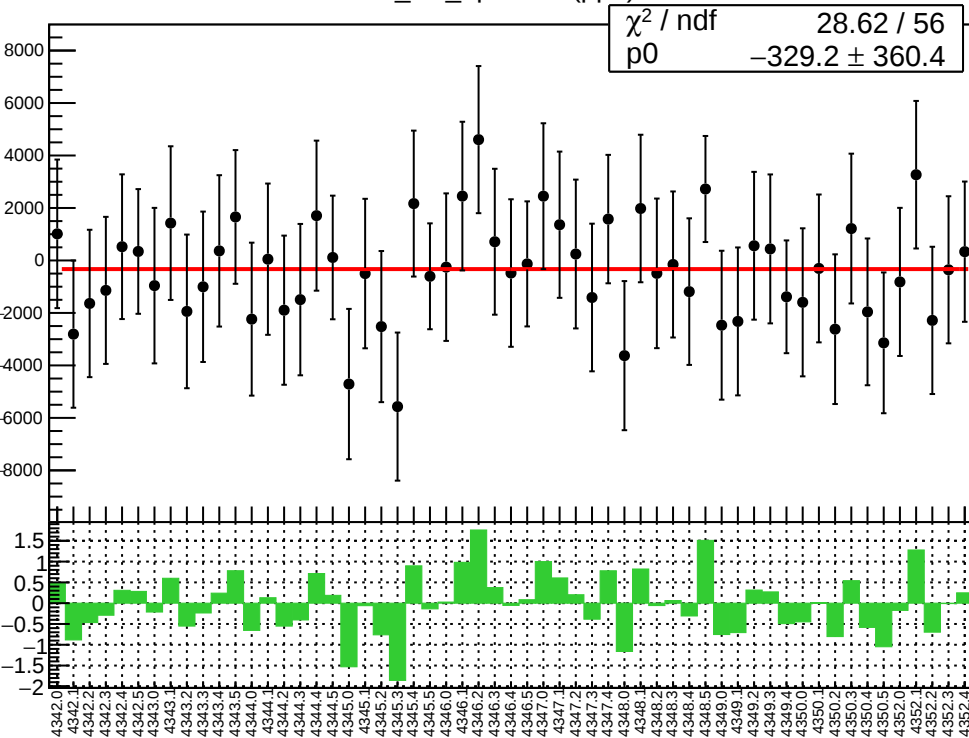
1D pull distribution



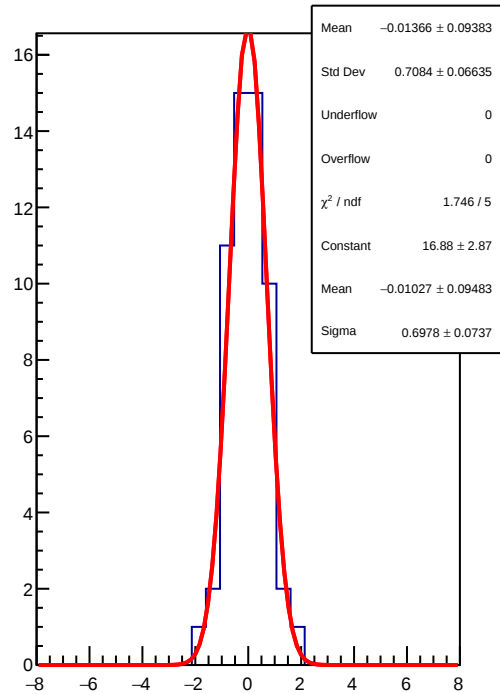
corr_us_dd_bpm8Y RMS (ppm)



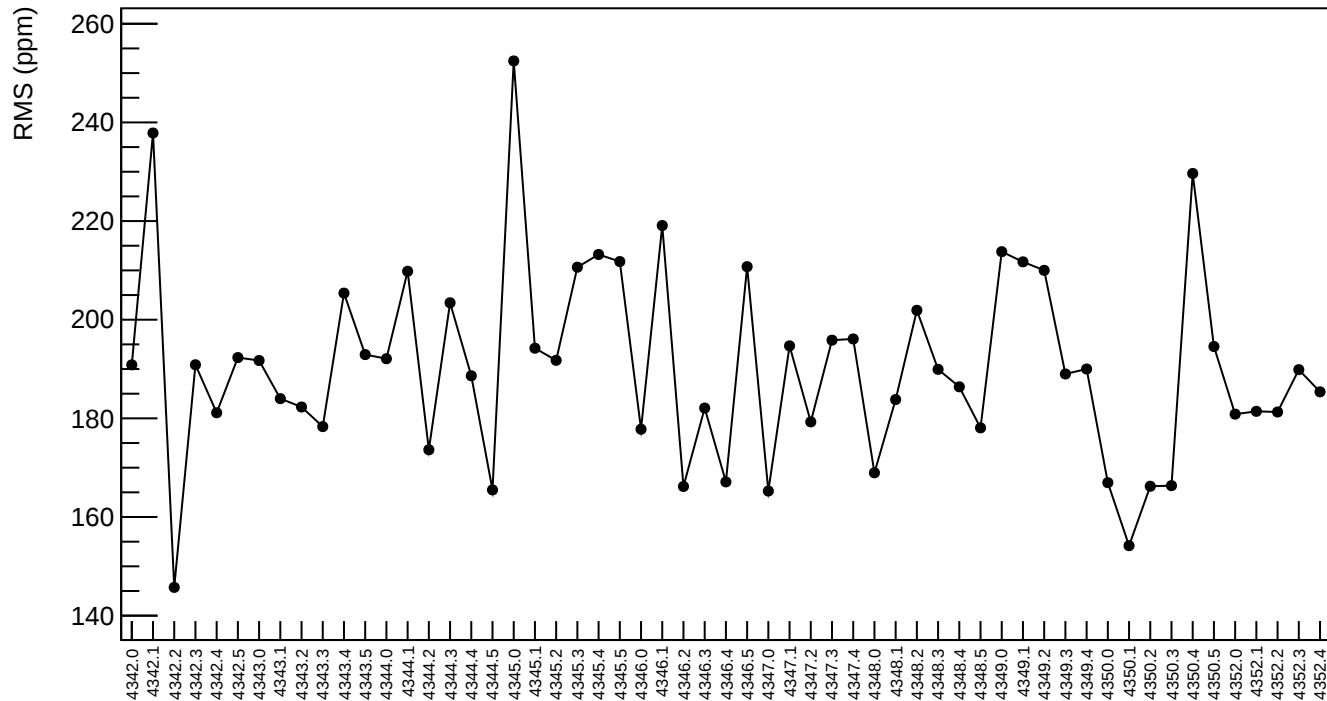
corr_usl_bpm4eX (ppb)



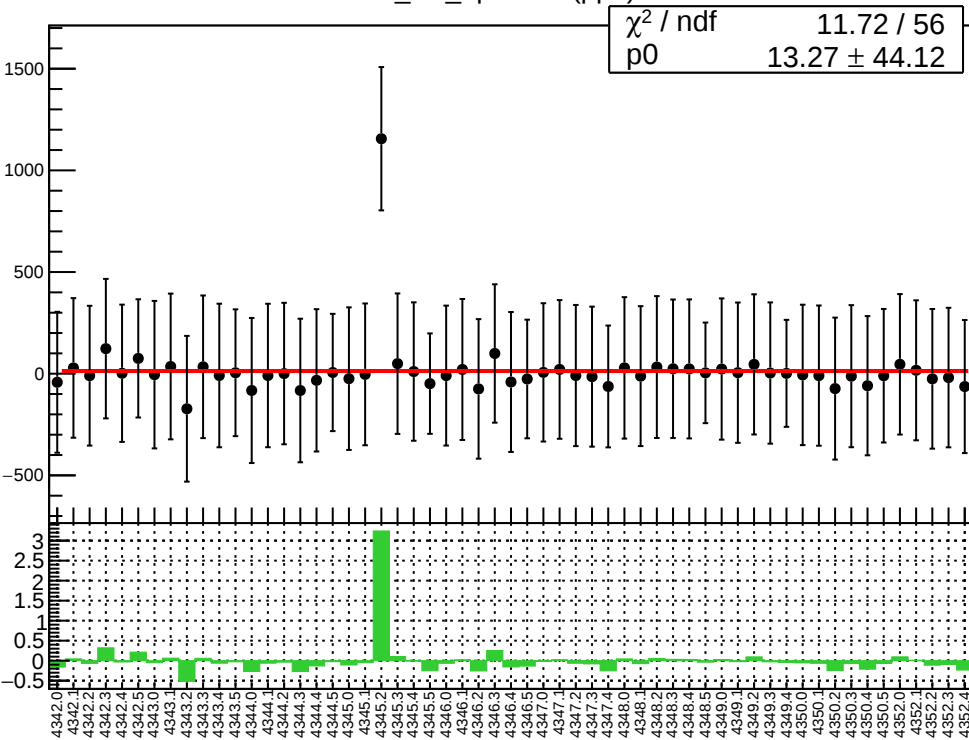
1D pull distribution



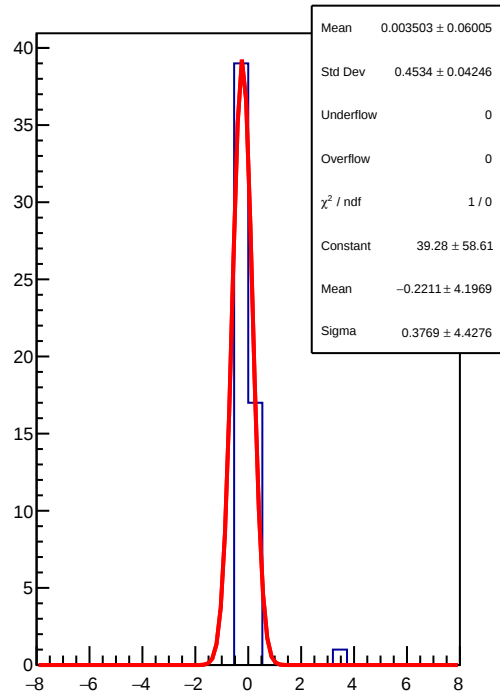
corr_usl_bpm4eX RMS (ppm)



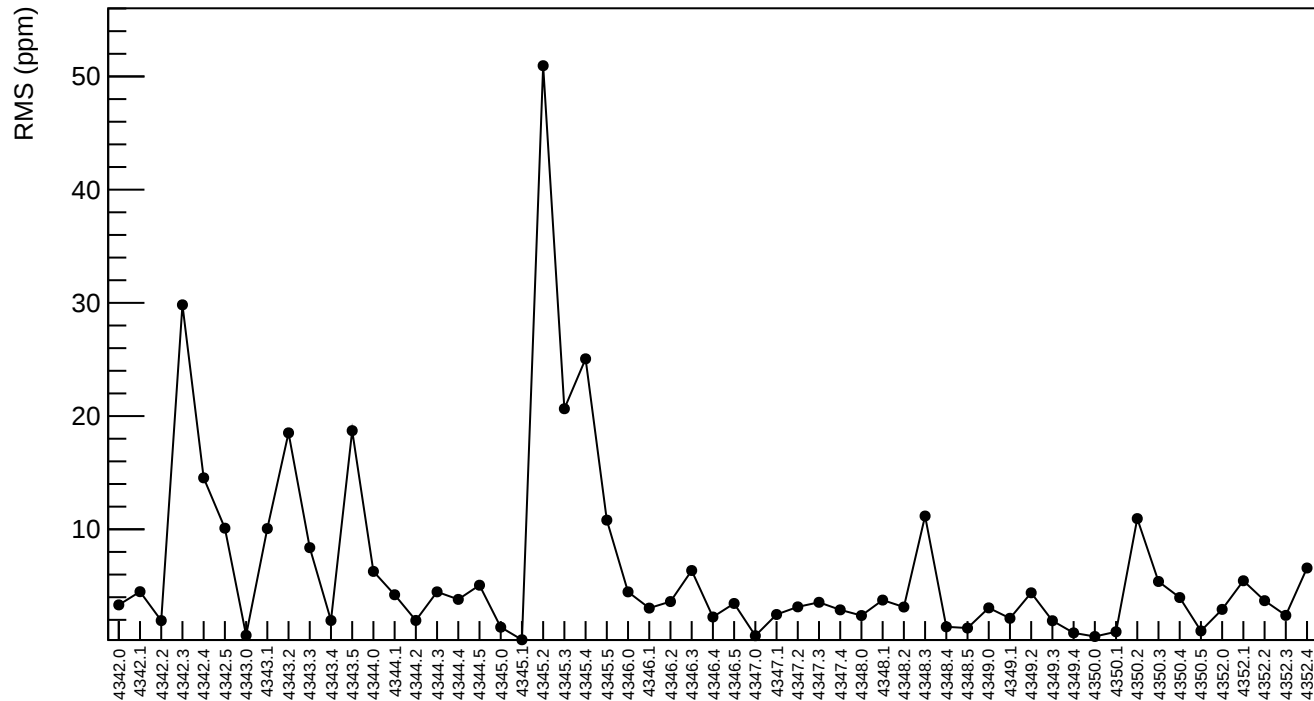
corr_usl_bpm4eY (ppb)



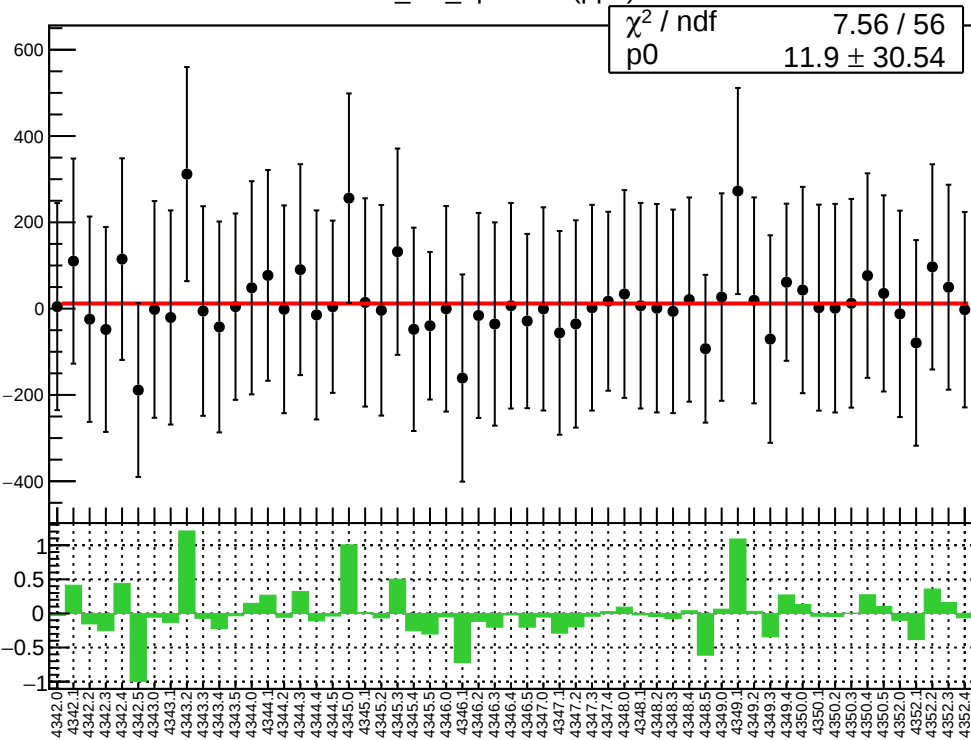
1D pull distribution



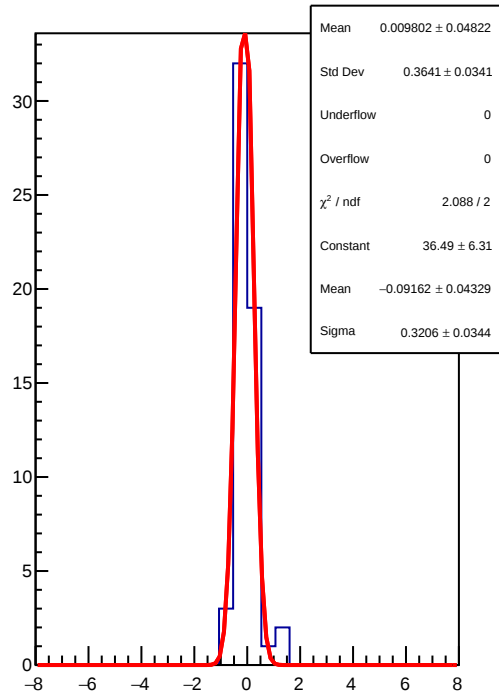
corr_usl_bpm4eY RMS (ppm)



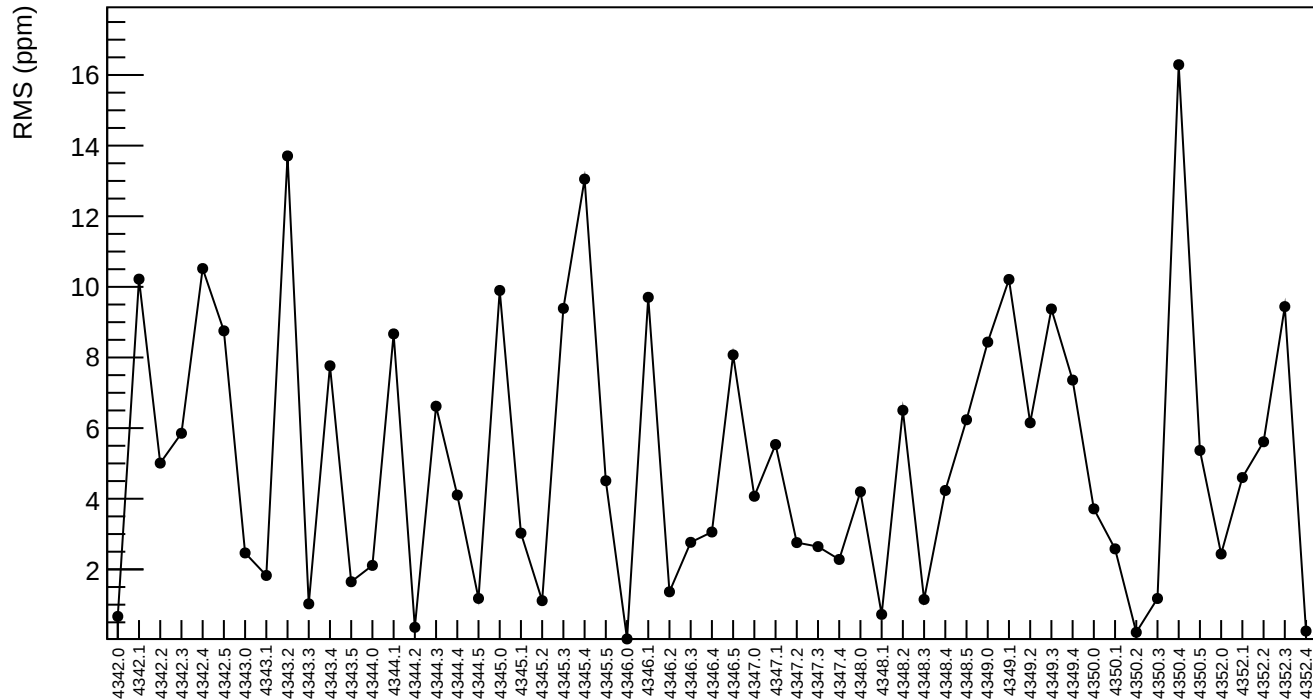
corr_usl_bpm4aX (ppb)



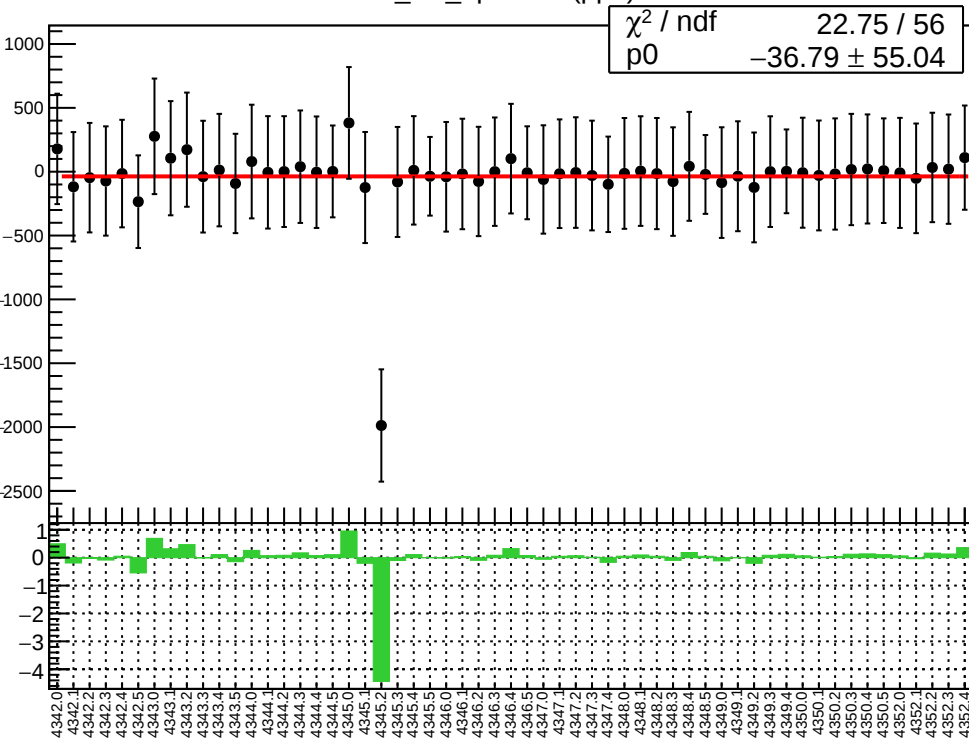
1D pull distribution



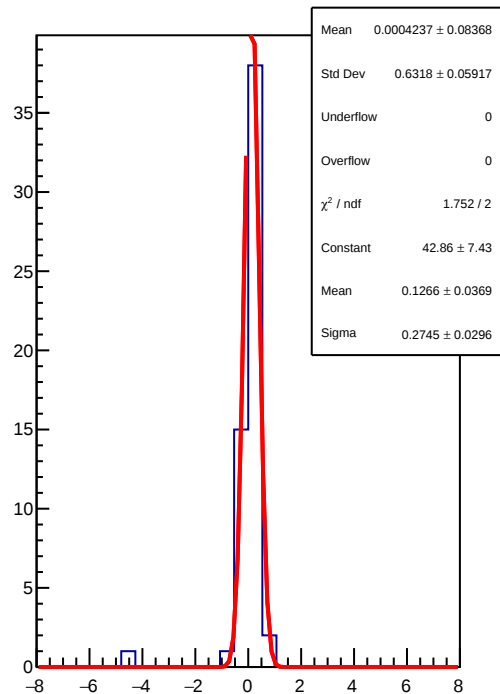
corr_usl_bpm4aX RMS (ppm)



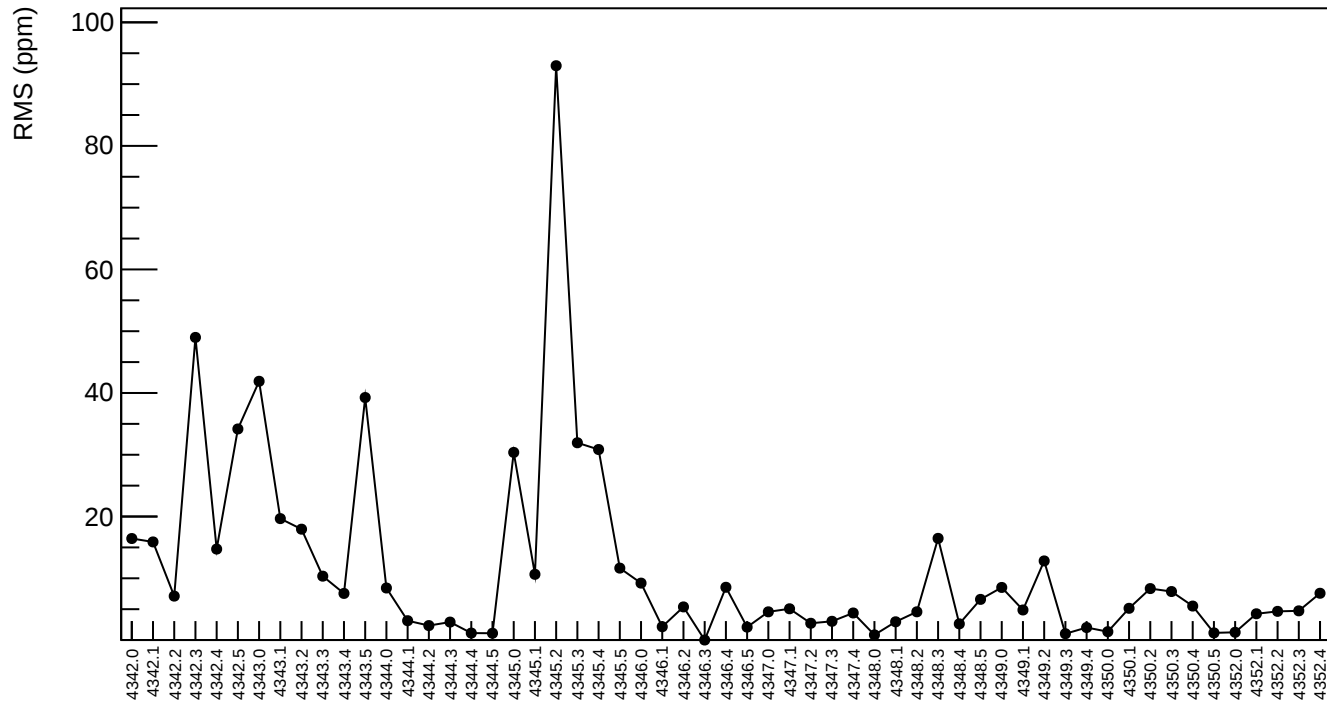
corr_usl_bpm4aY (ppb)



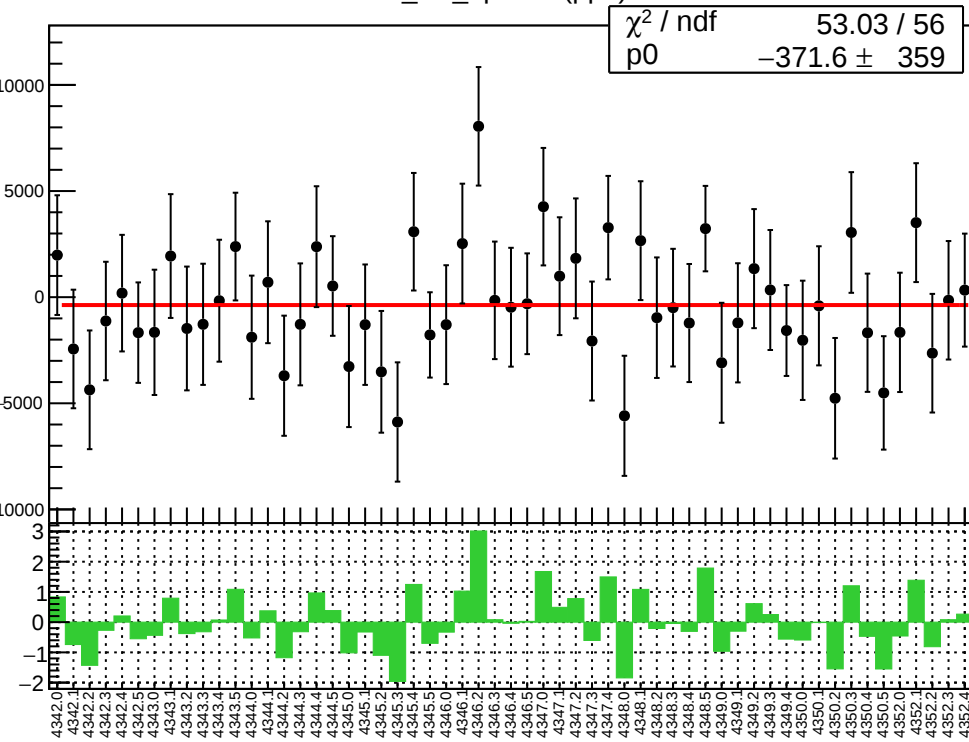
1D pull distribution



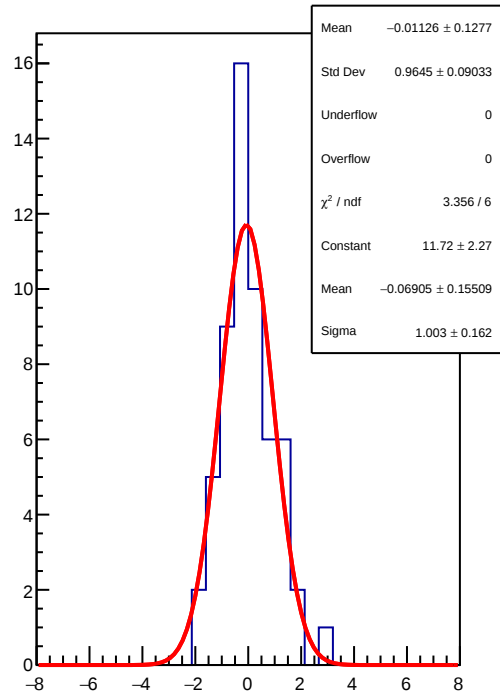
corr_usl_bpm4aY RMS (ppm)



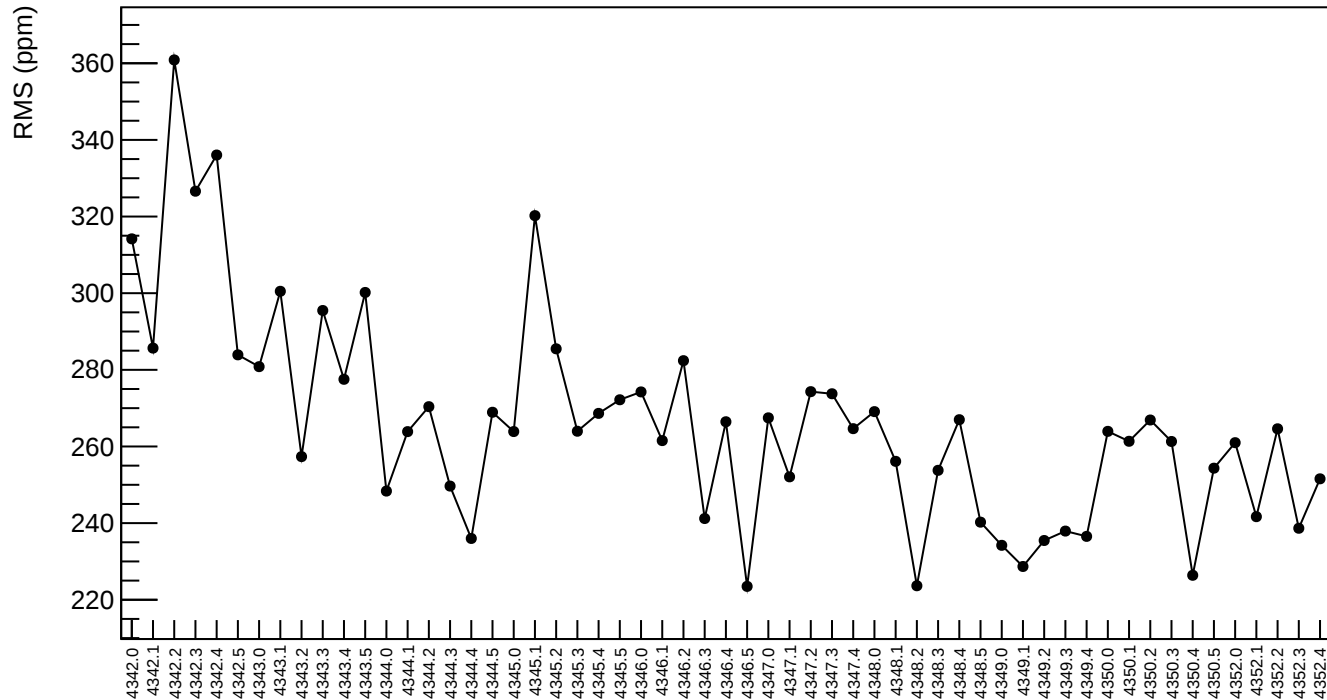
corr_usl_bpm1X (ppb)



1D pull distribution



corr_usl_bpm1X RMS (ppm)

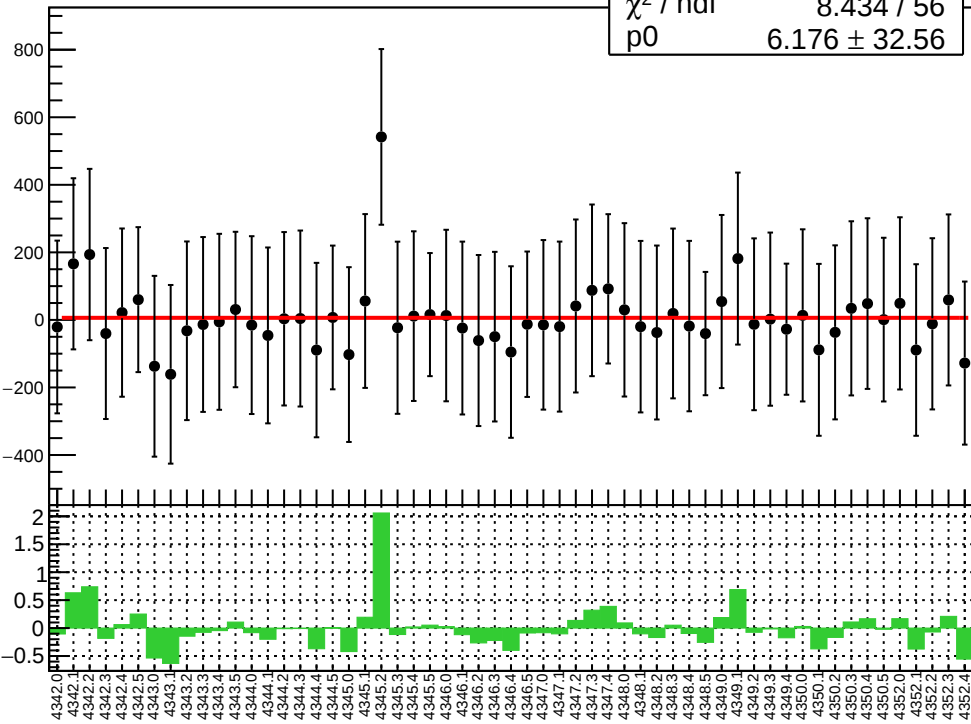


corr_usl_bpm1Y (ppb)

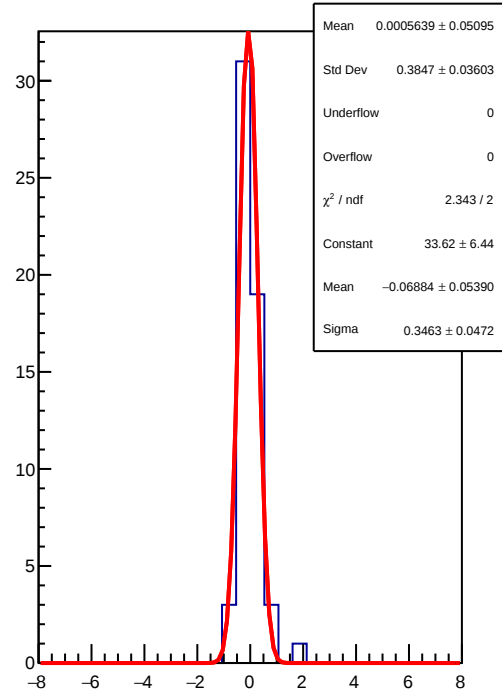
 χ^2 / nfd

8.434 / 56

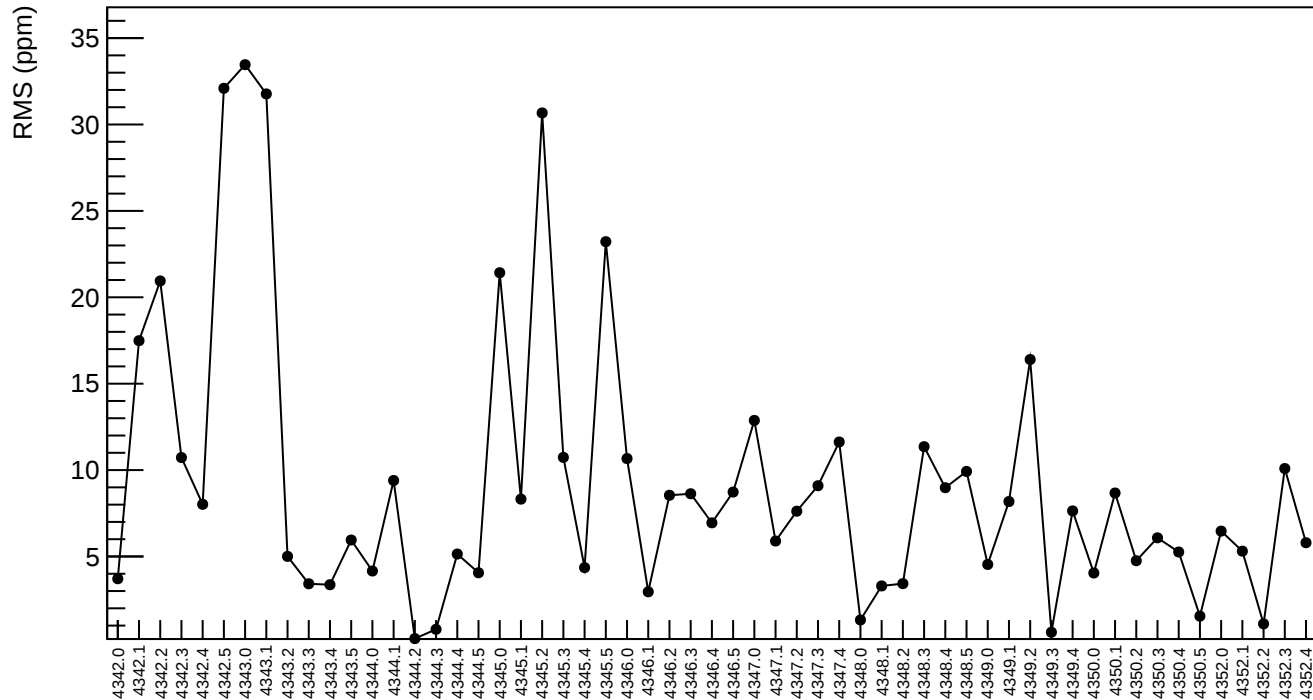
p0

 6.176 ± 32.56 

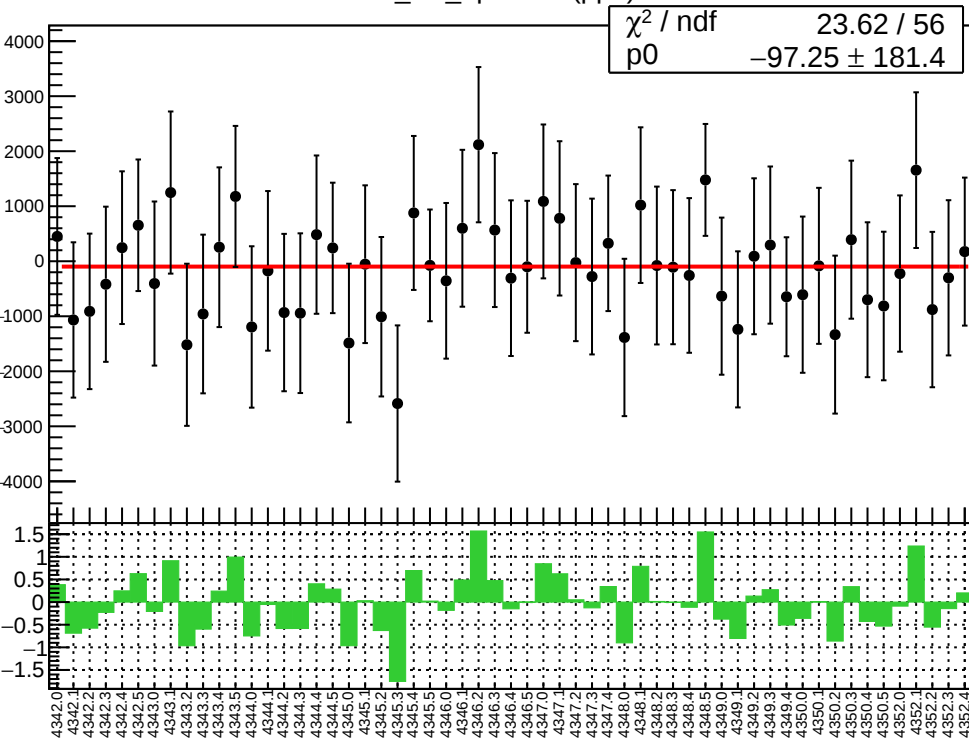
1D pull distribution



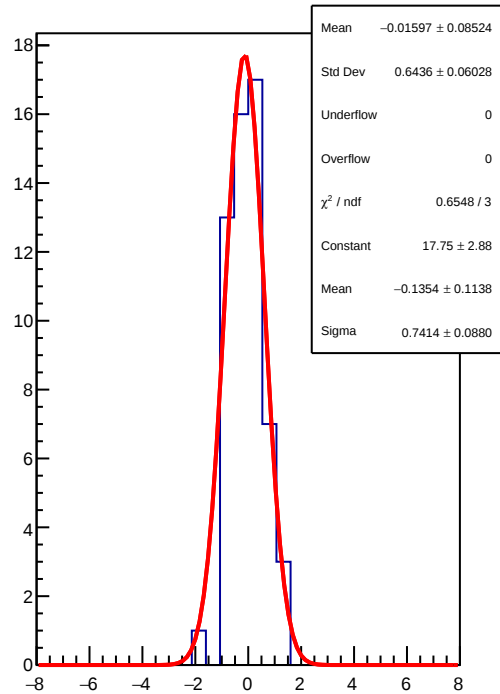
corr_usl_bpm1Y RMS (ppm)



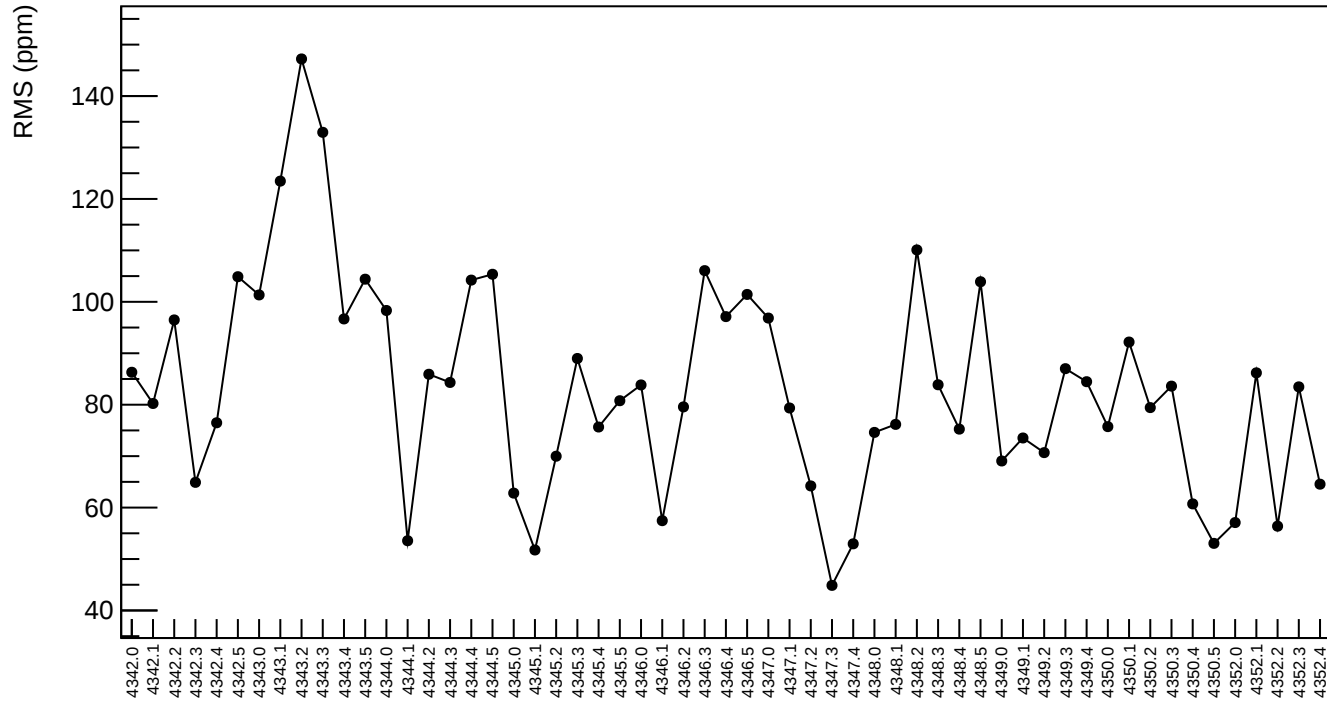
corr_usl_bpm16X (ppb)



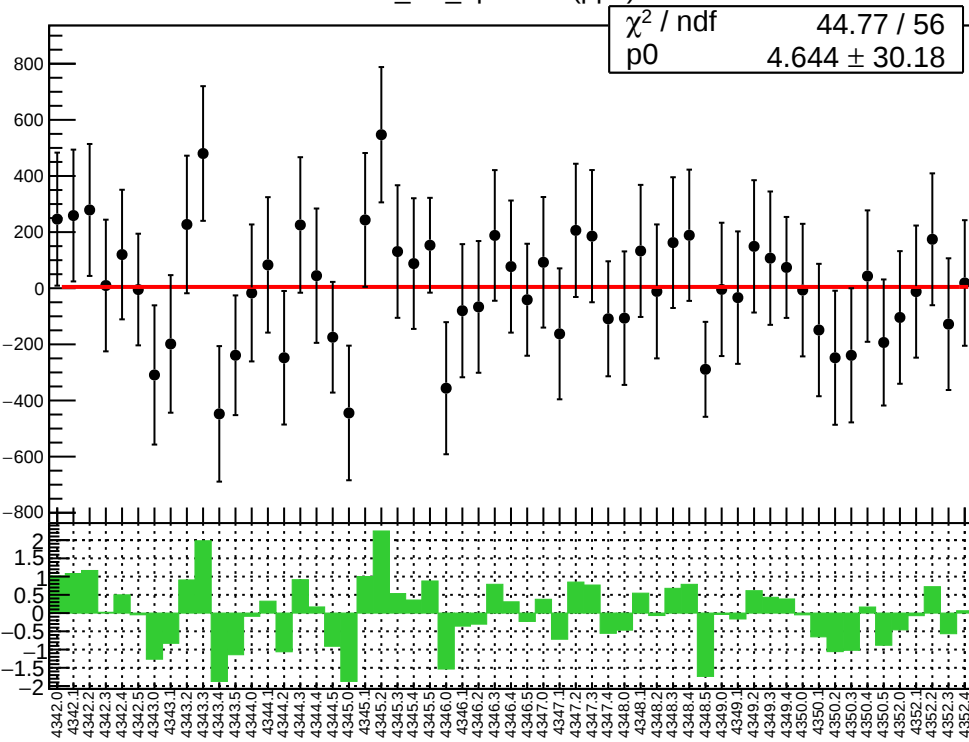
1D pull distribution



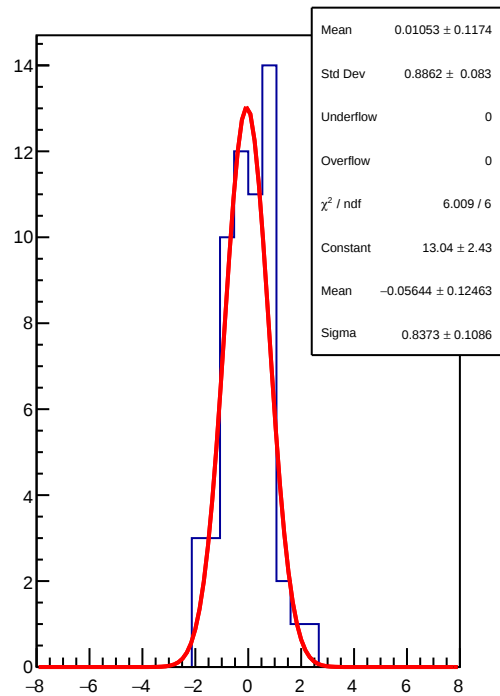
corr_usl_bpm16X RMS (ppm)



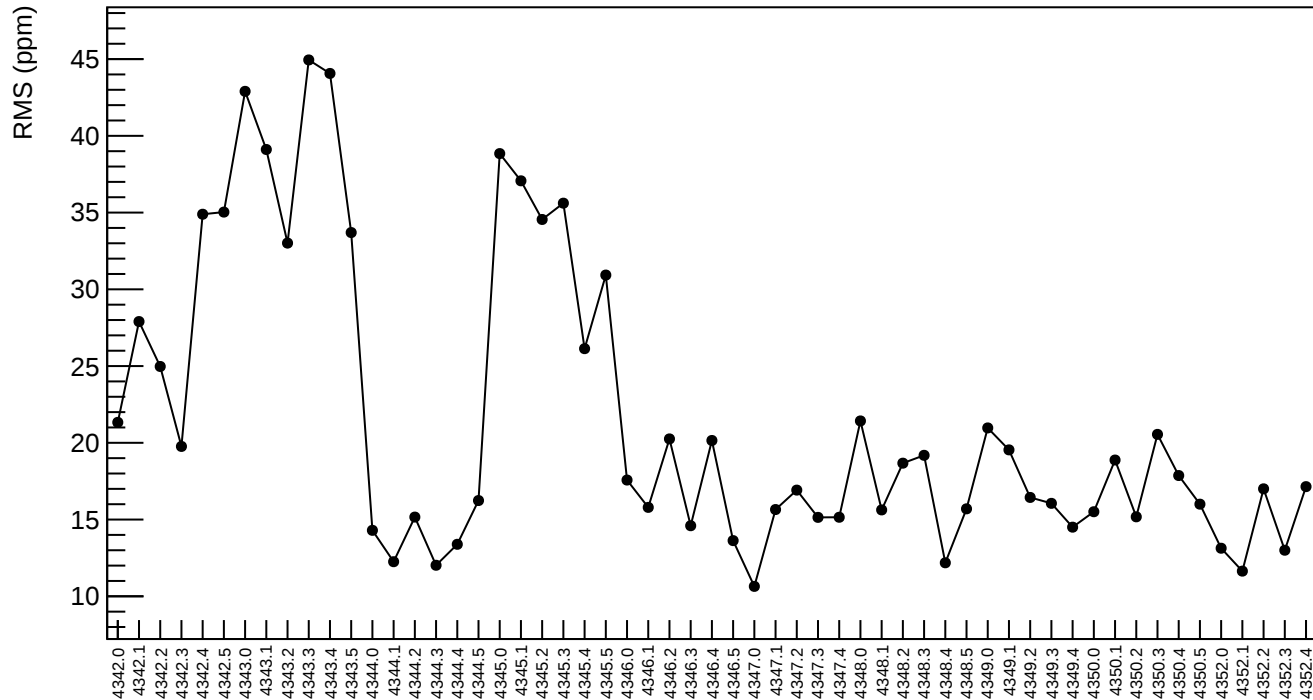
corr_usl_bpm16Y (ppb)



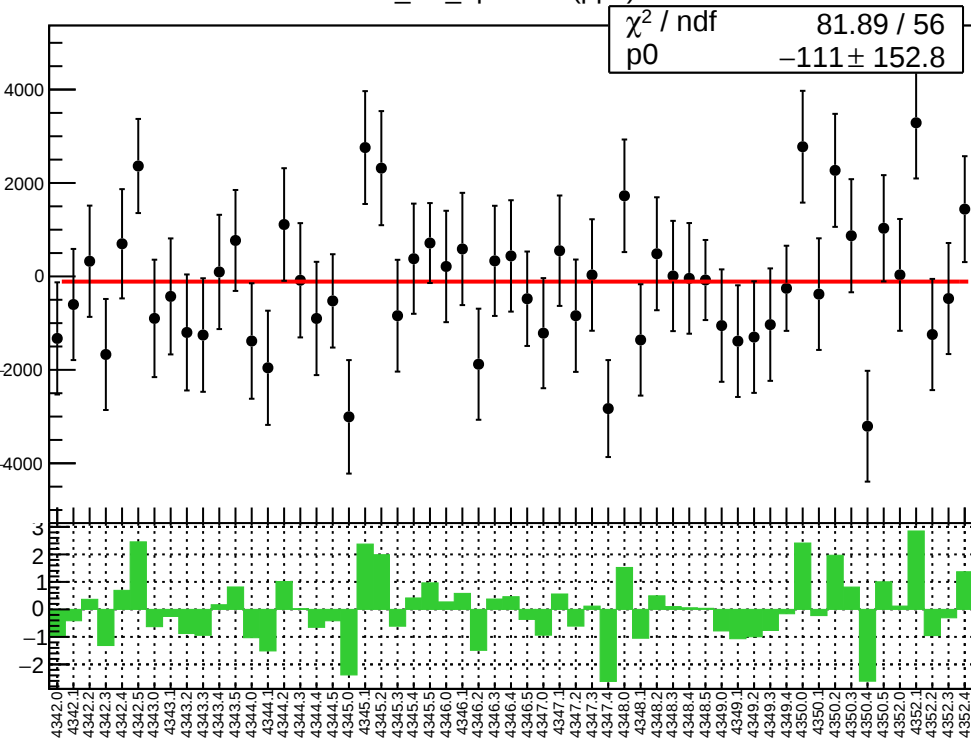
1D pull distribution



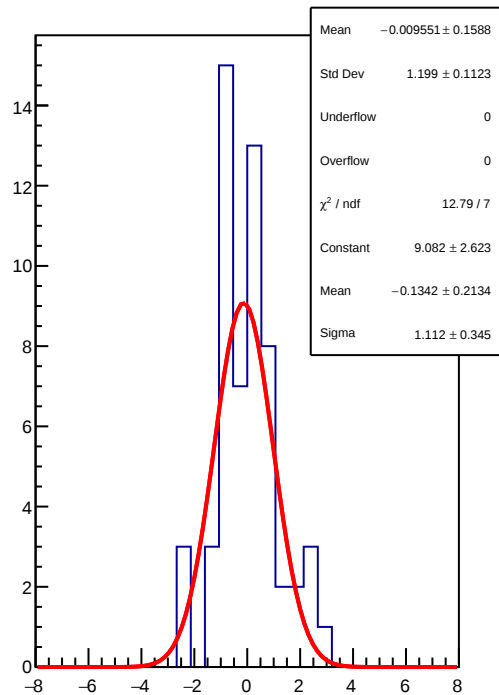
corr_usl_bpm16Y RMS (ppm)



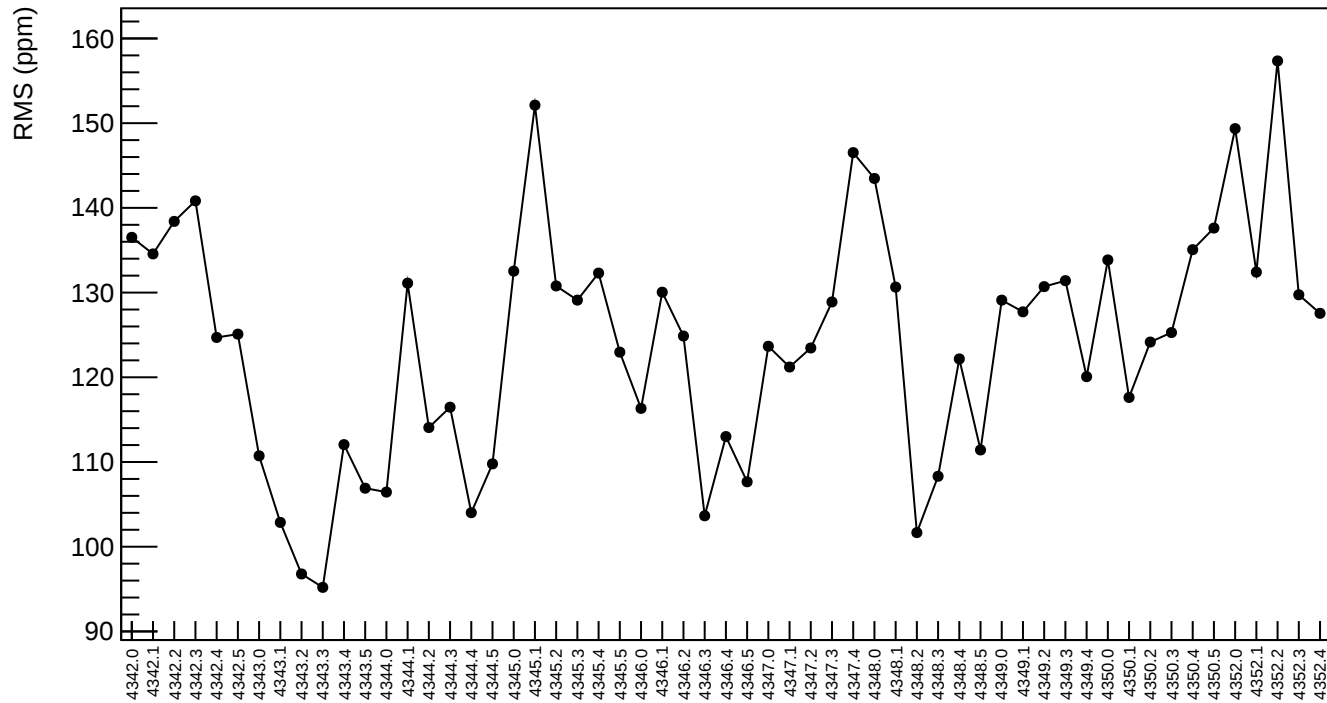
corr_usl_bpm12X (ppb)



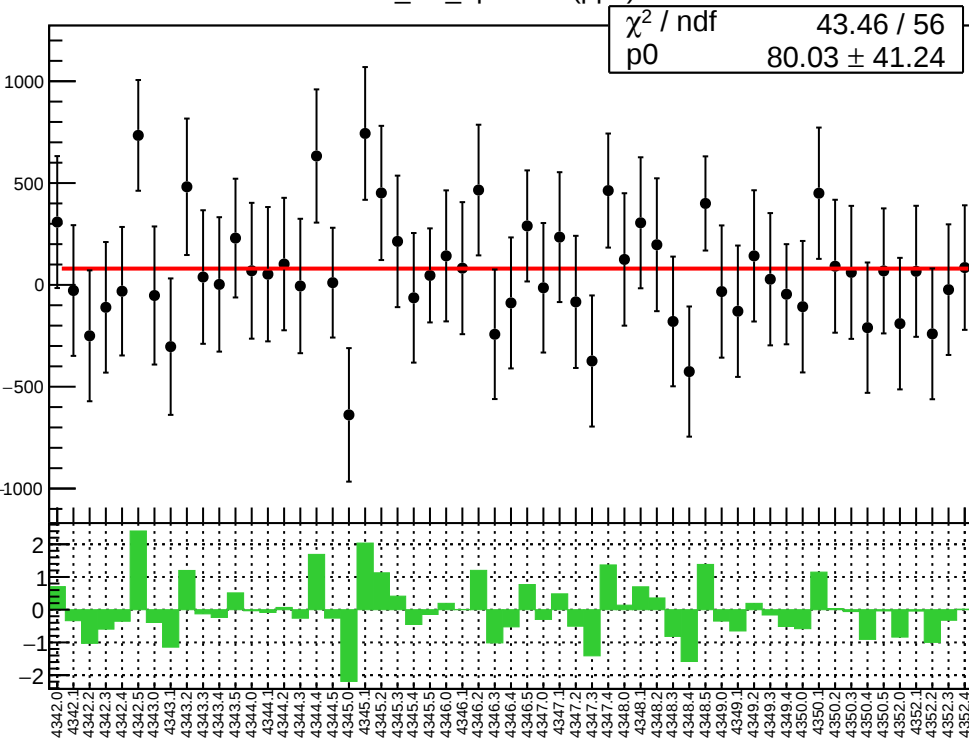
1D pull distribution



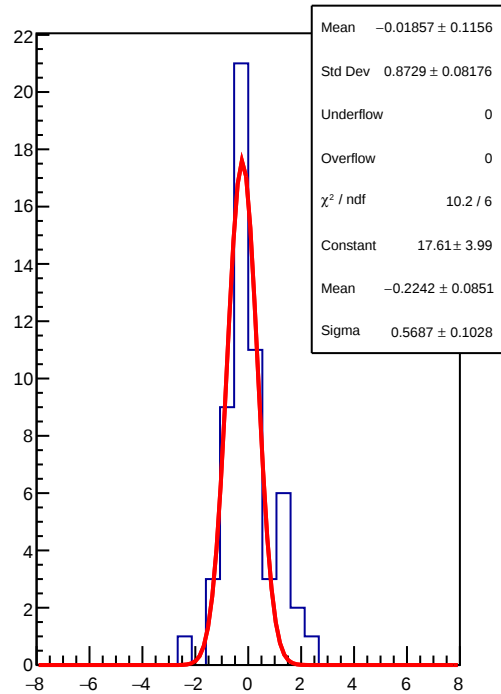
corr_usl_bpm12X RMS (ppm)



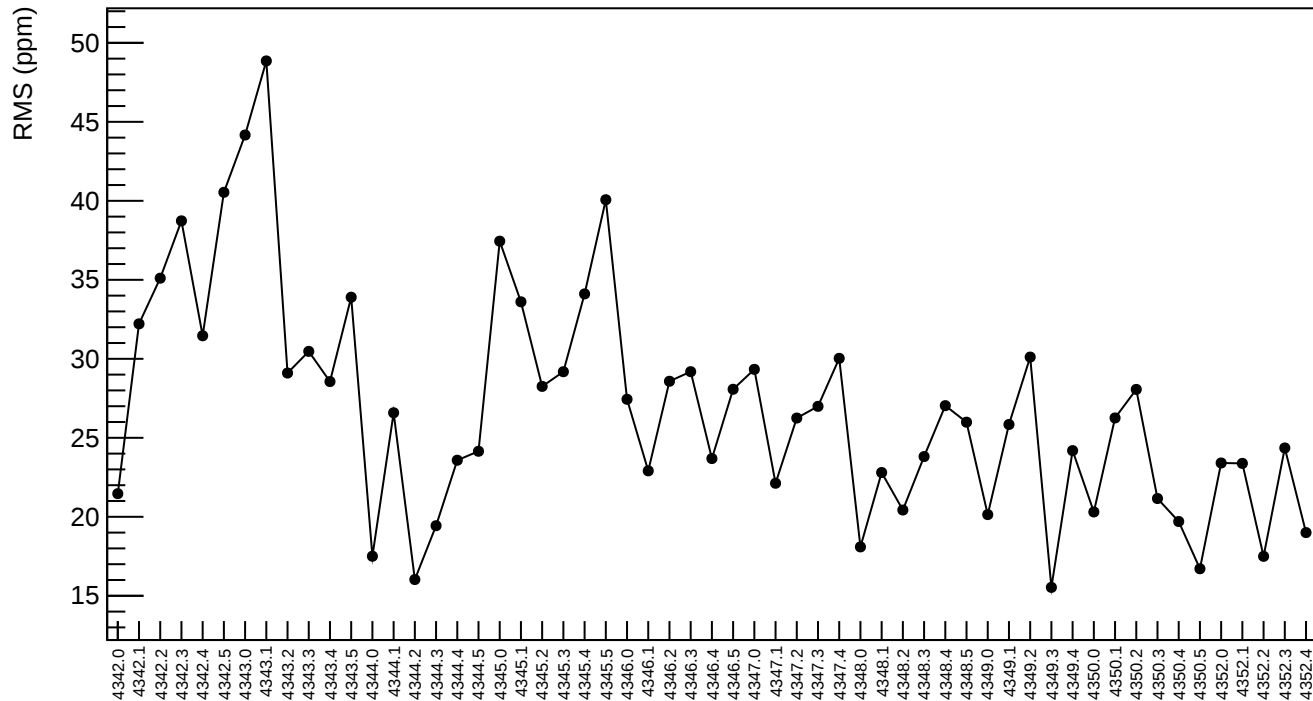
corr_usl_bpm12Y (ppb)



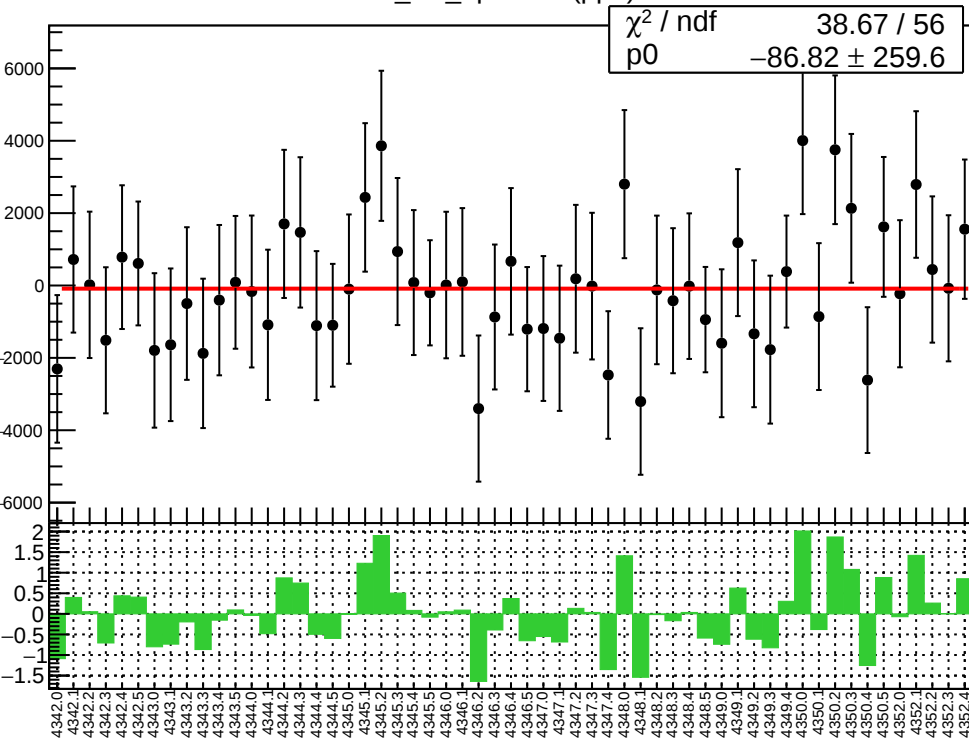
1D pull distribution



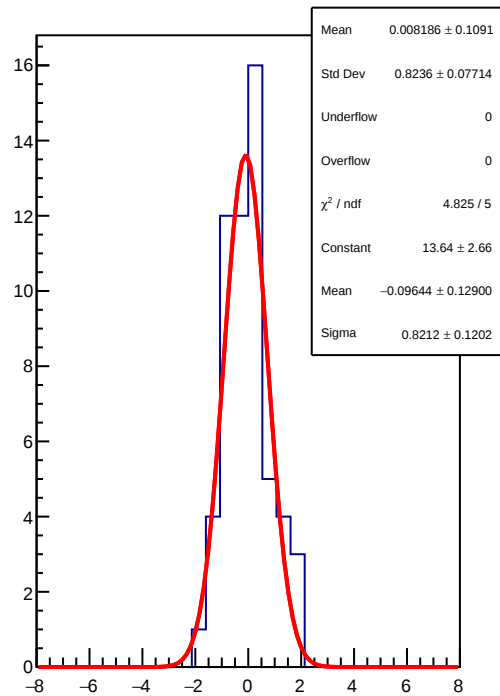
corr_usl_bpm12Y RMS (ppm)



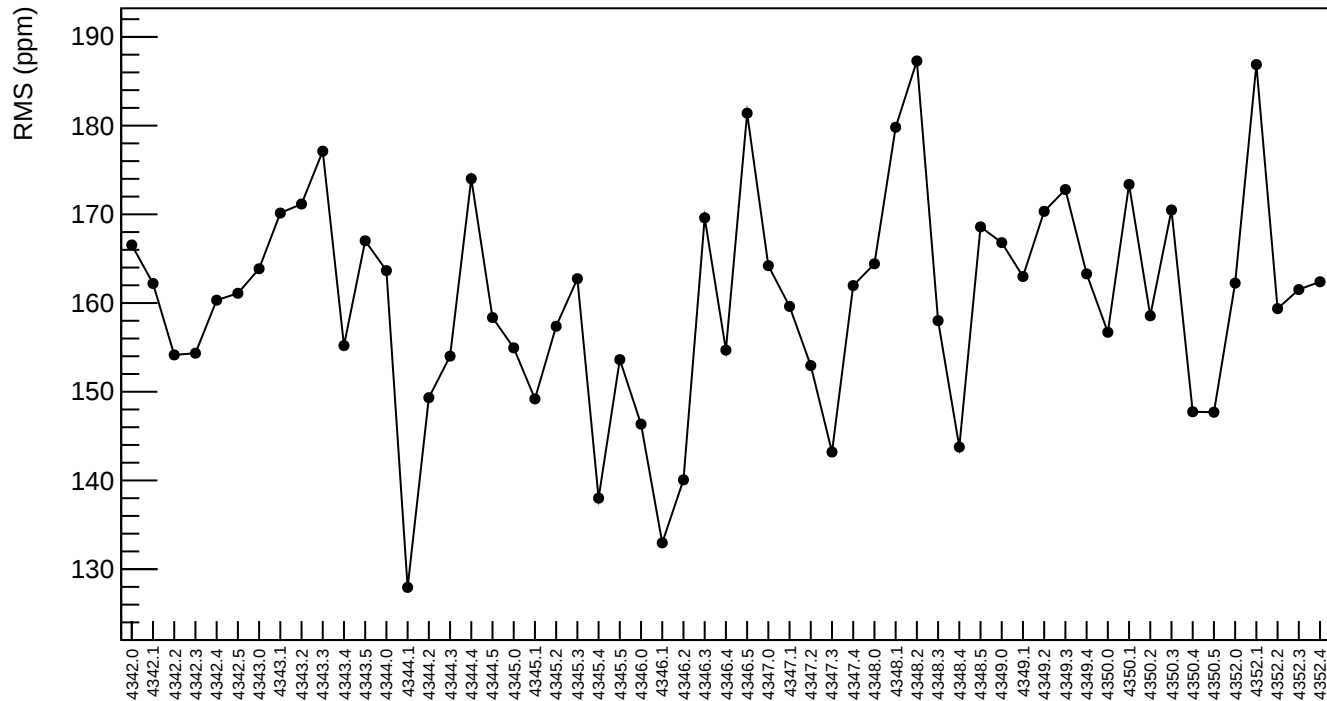
corr_usl_bpm11X (ppb)



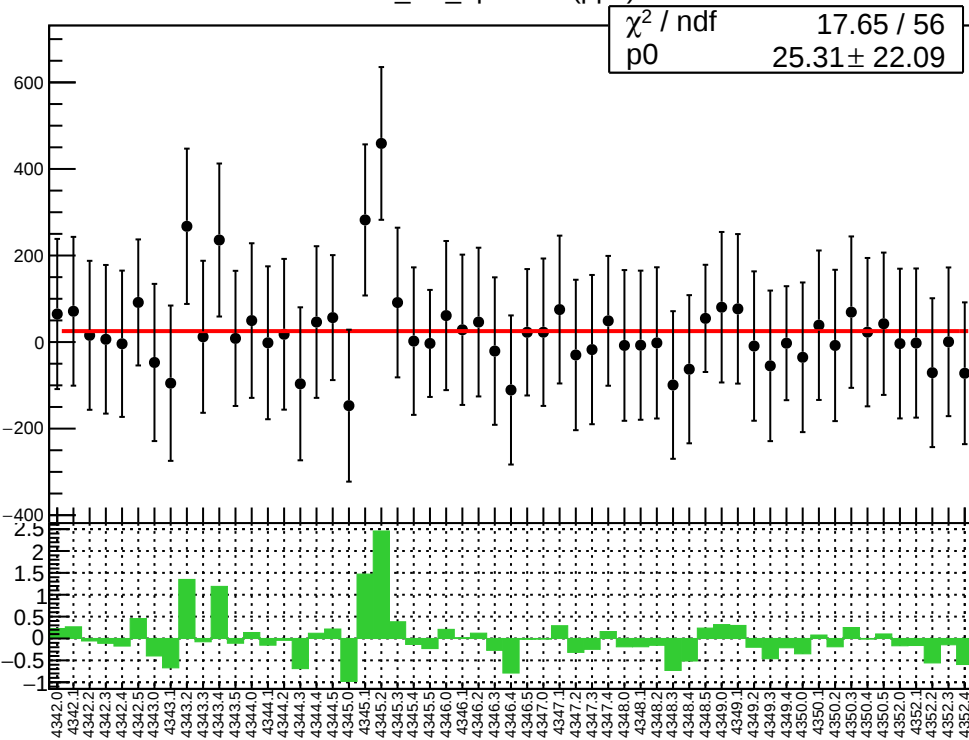
1D pull distribution



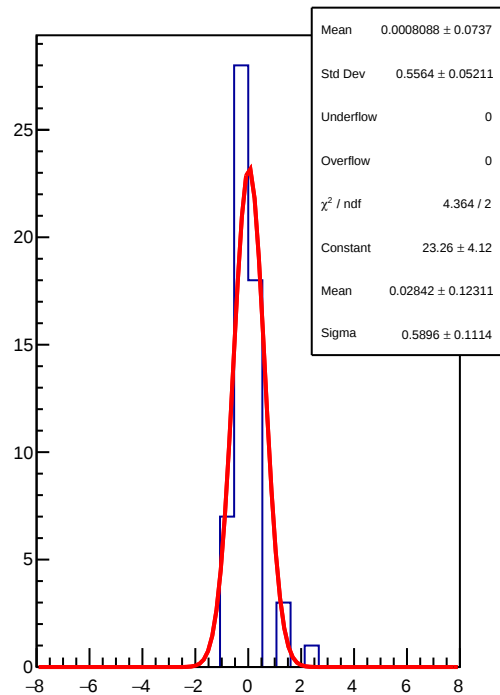
corr_usl_bpm11X RMS (ppm)



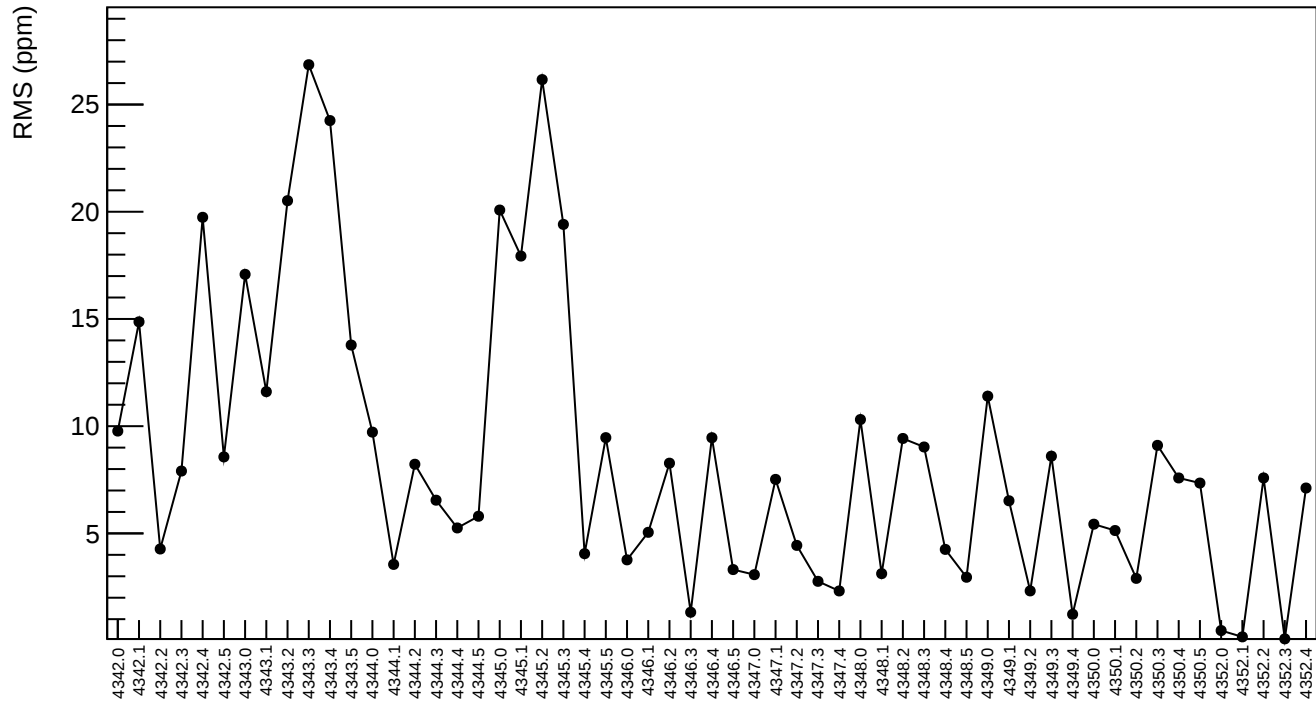
corr_usl_bpm11Y (ppb)



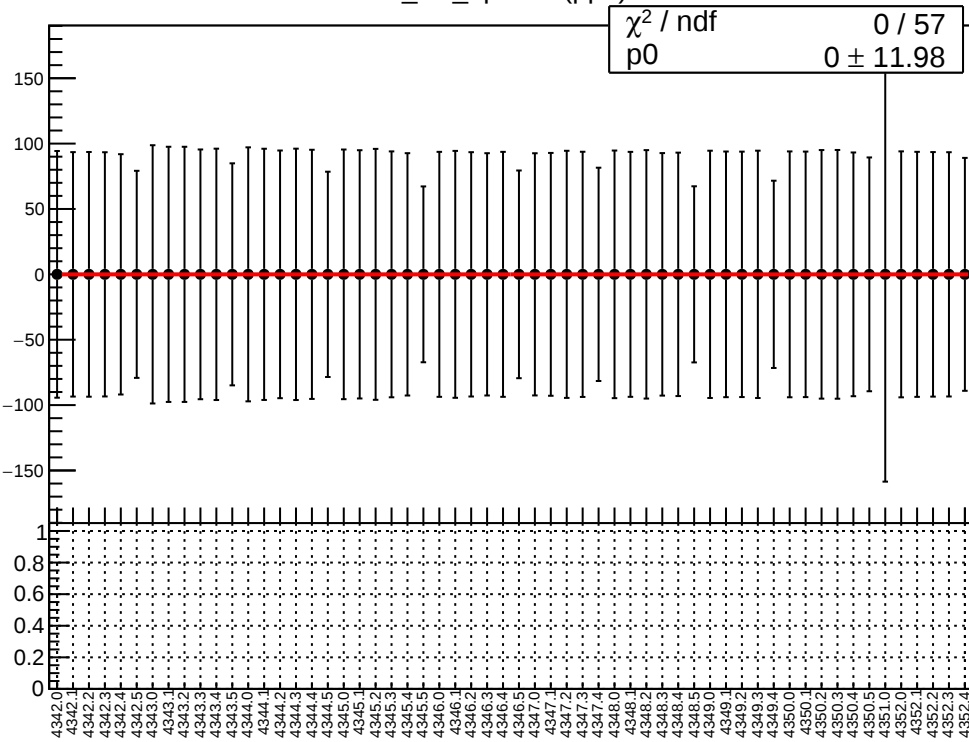
1D pull distribution



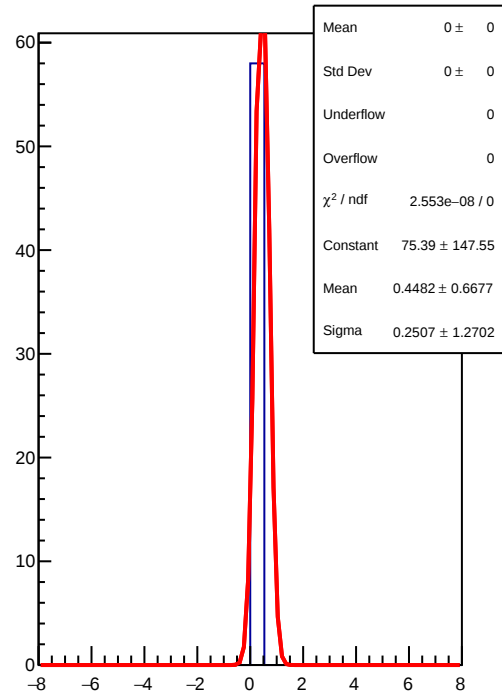
corr_usl_bpm11Y RMS (ppm)



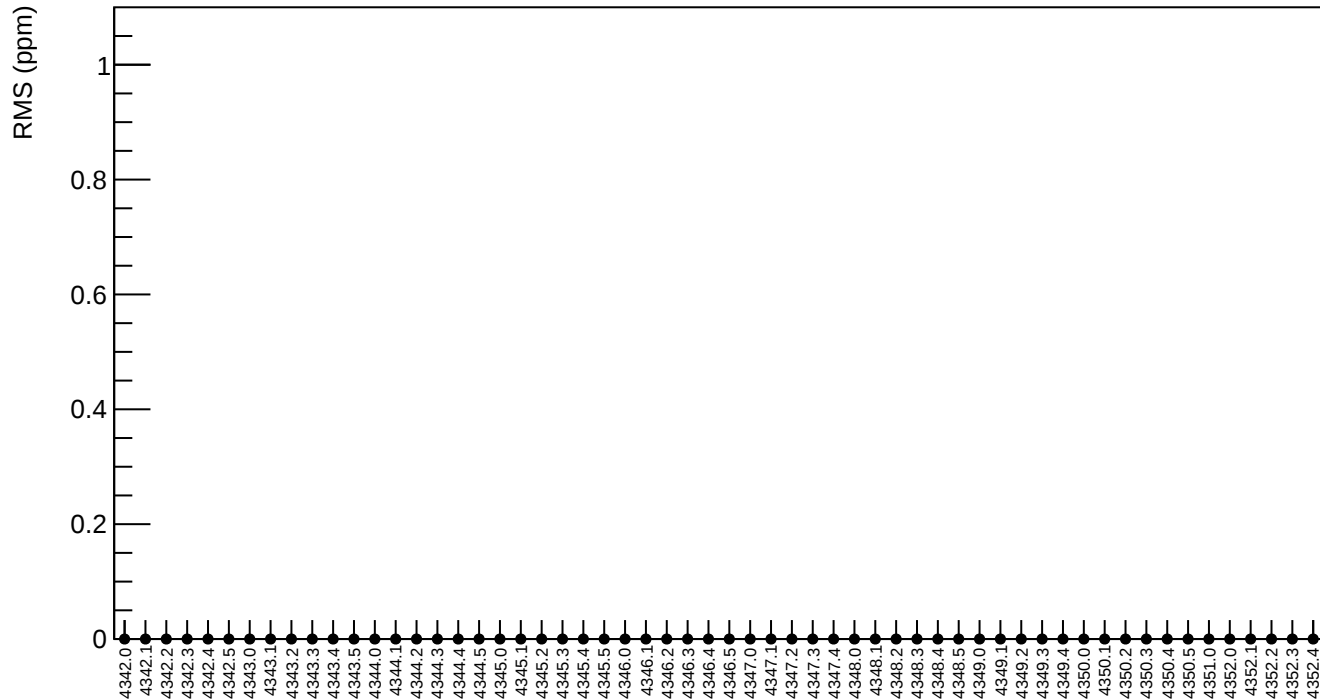
corr_usl_bpm8X (ppb)



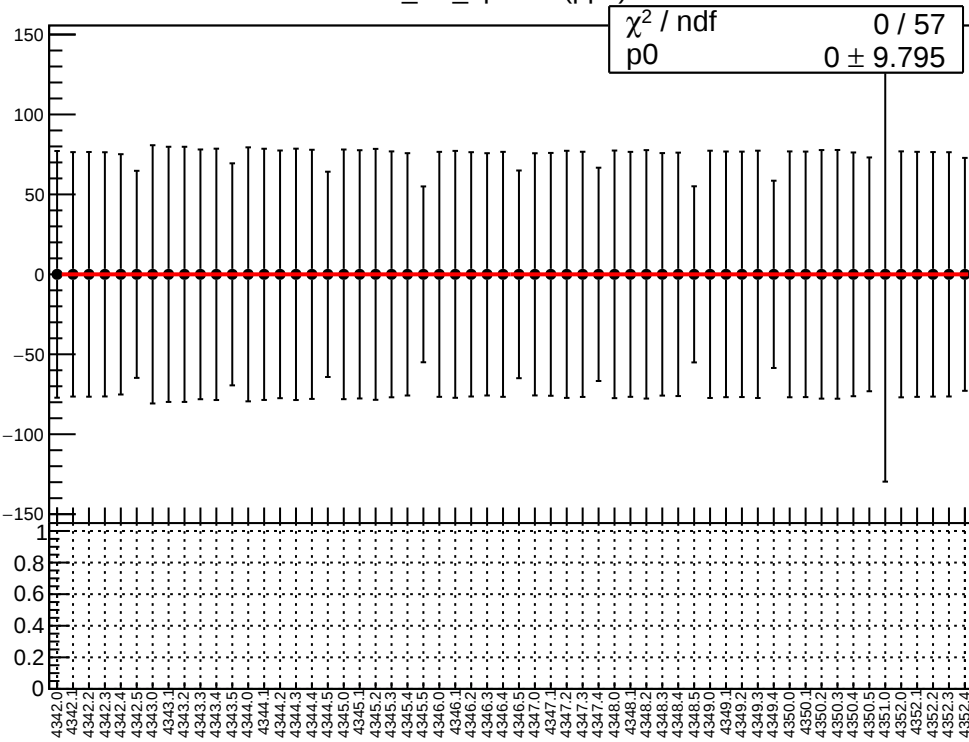
1D pull distribution



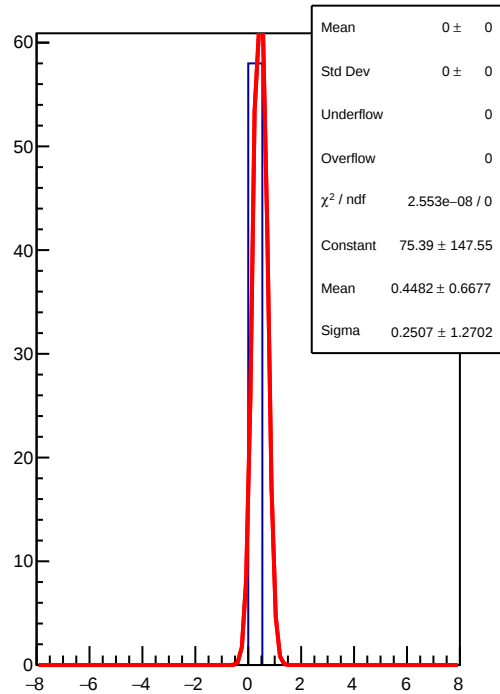
corr_usl_bpm8X RMS (ppm)



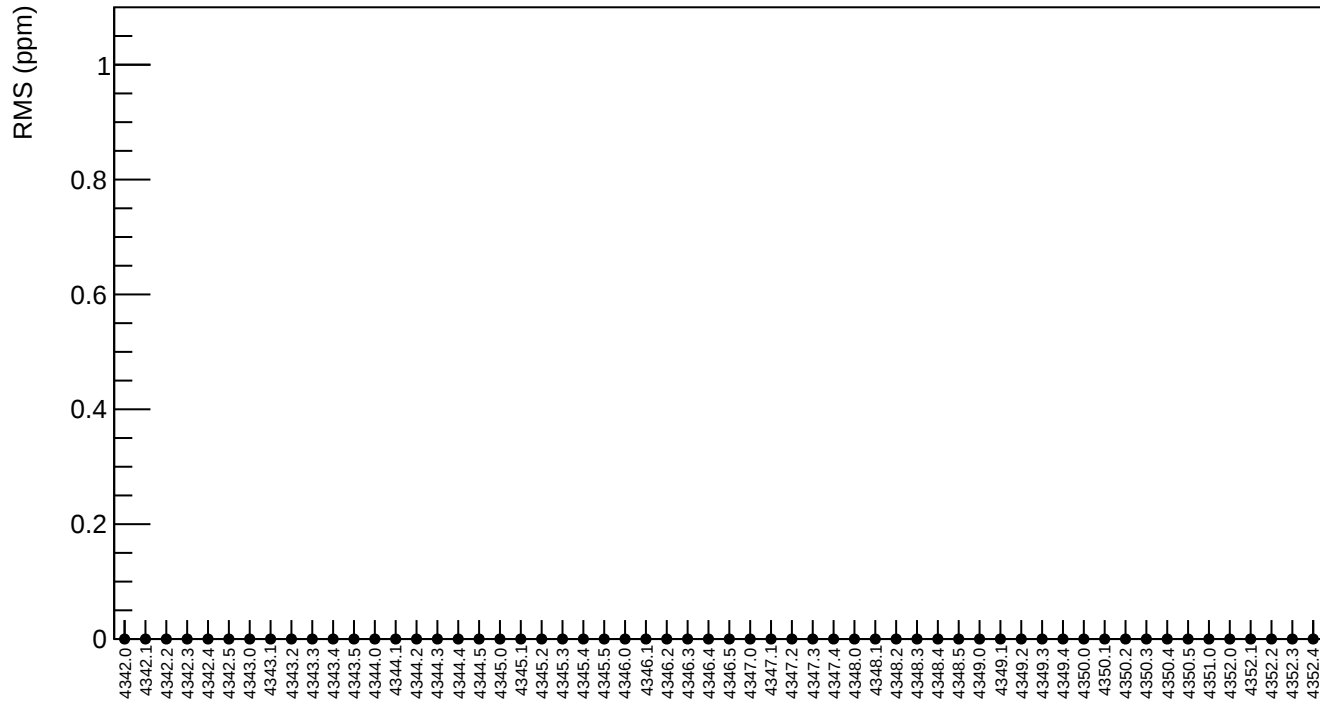
corr_usl_bpm8Y (ppb)



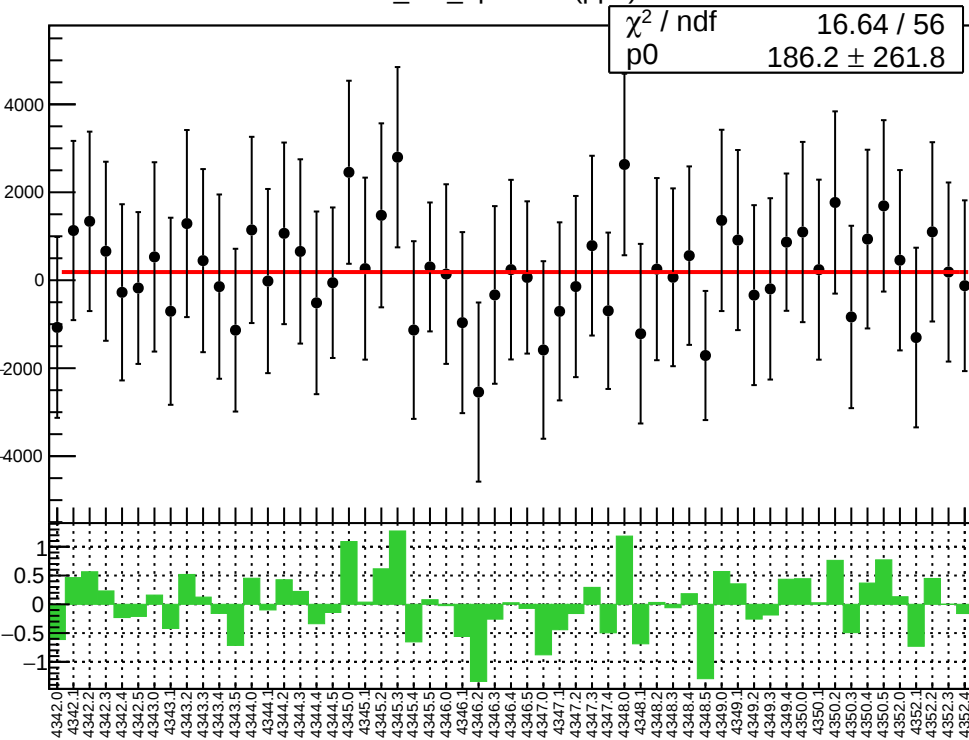
1D pull distribution



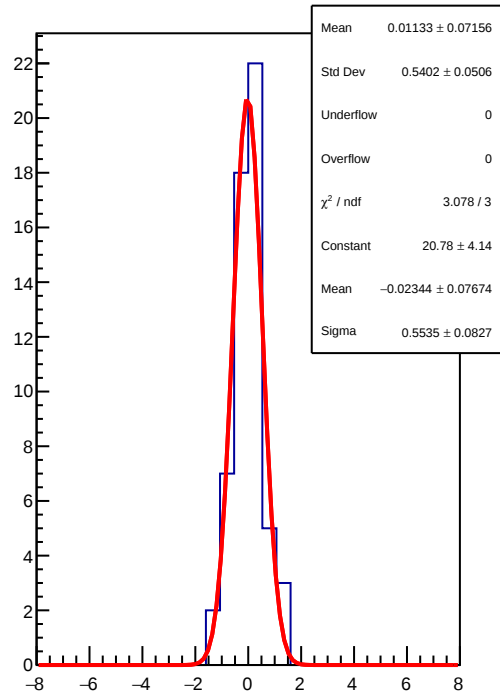
corr_usl_bpm8Y RMS (ppm)



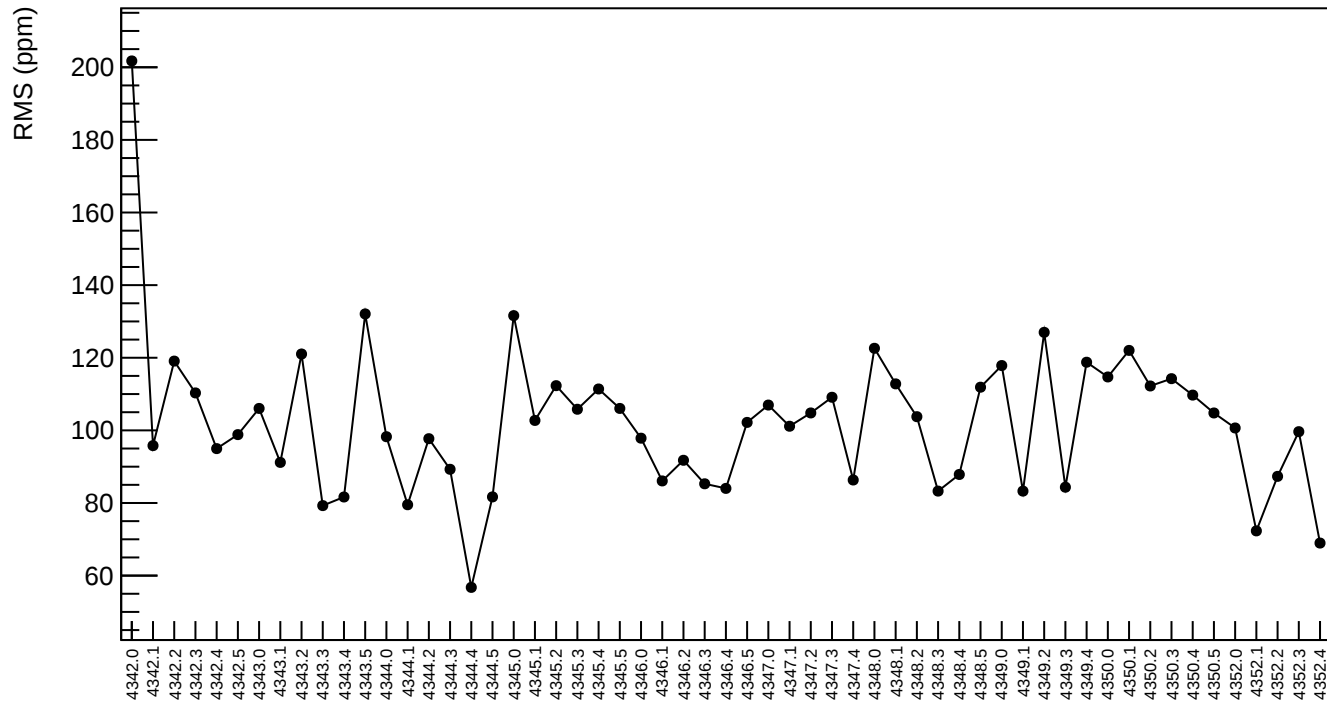
corr_usr_bpm4eX (ppb)



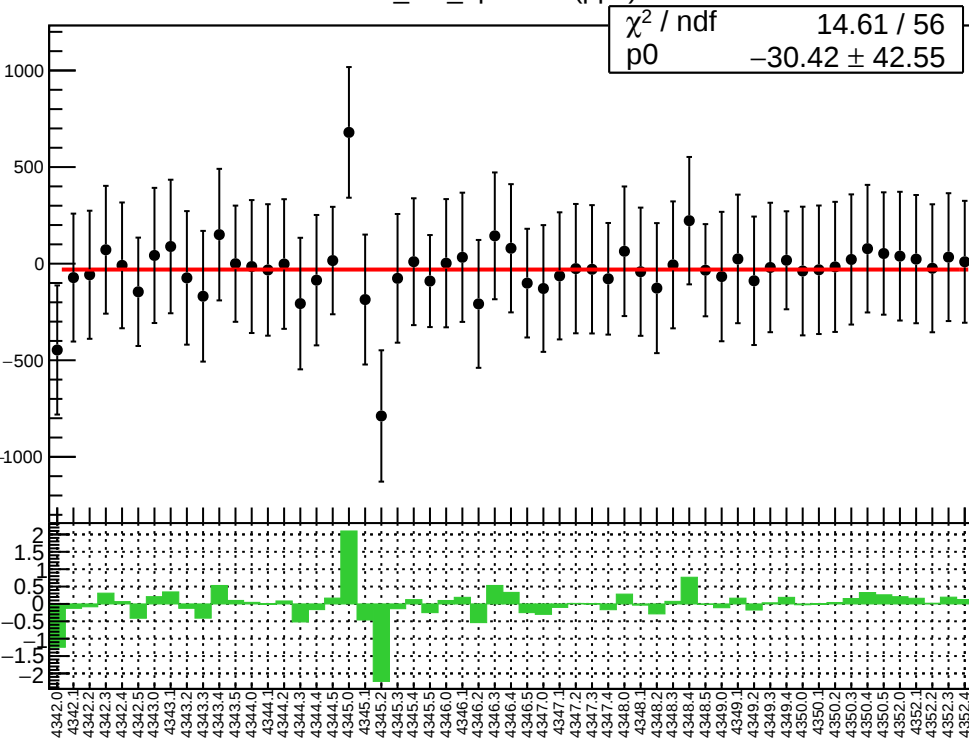
1D pull distribution



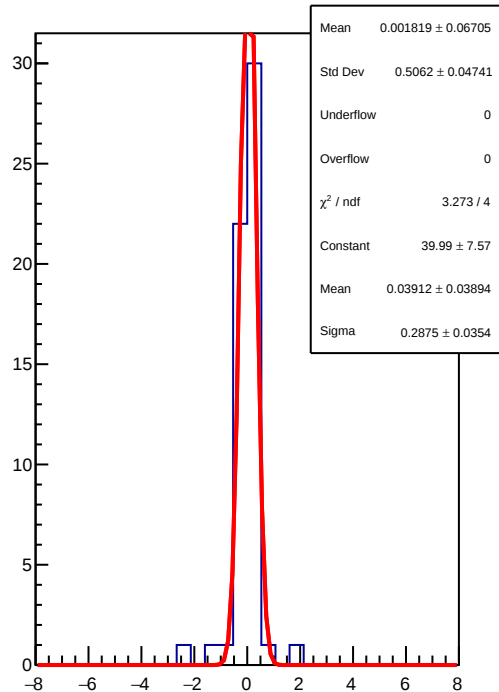
corr_usr_bpm4eX RMS (ppm)



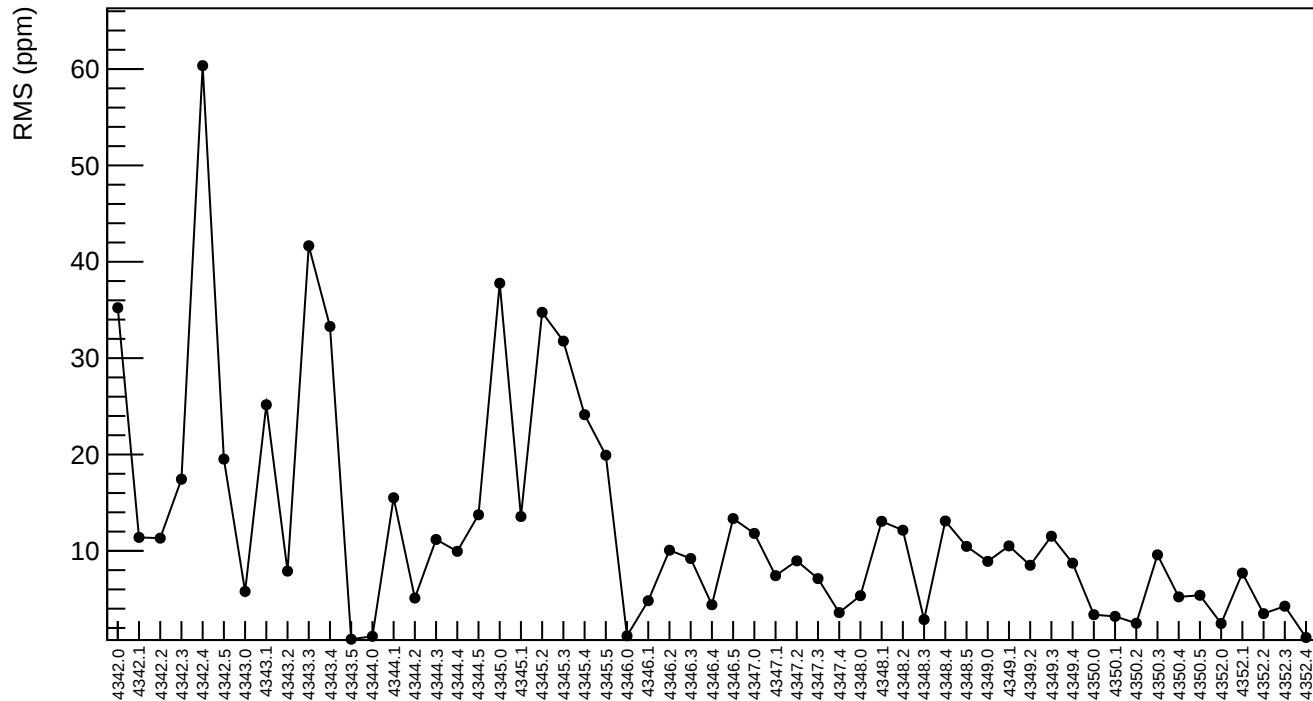
corr_usr_bpm4eY (ppb)



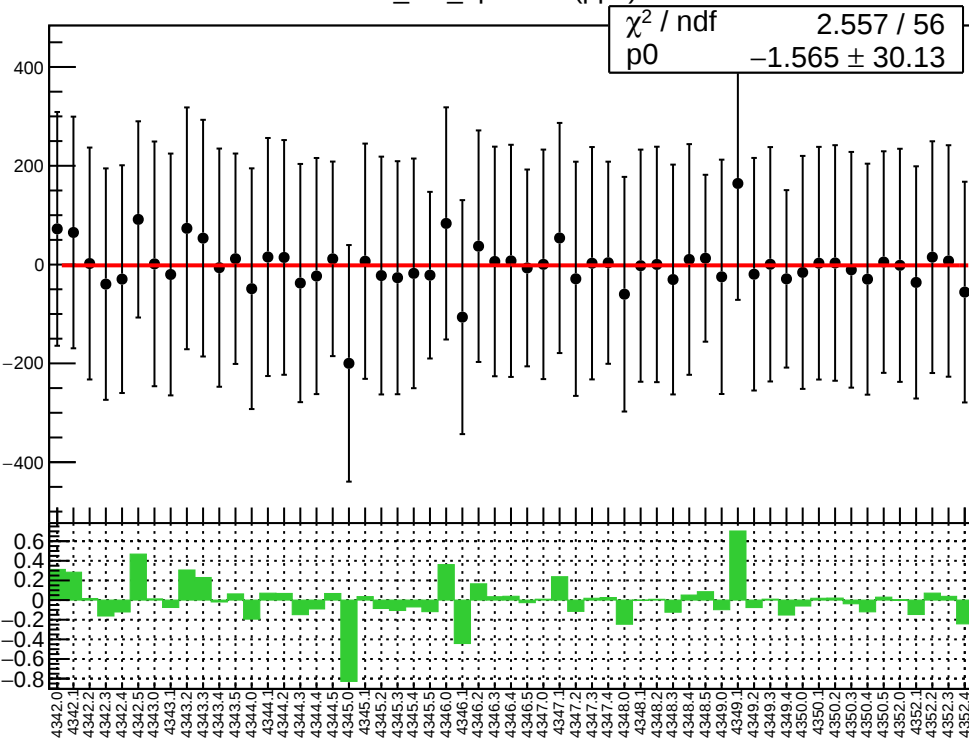
1D pull distribution



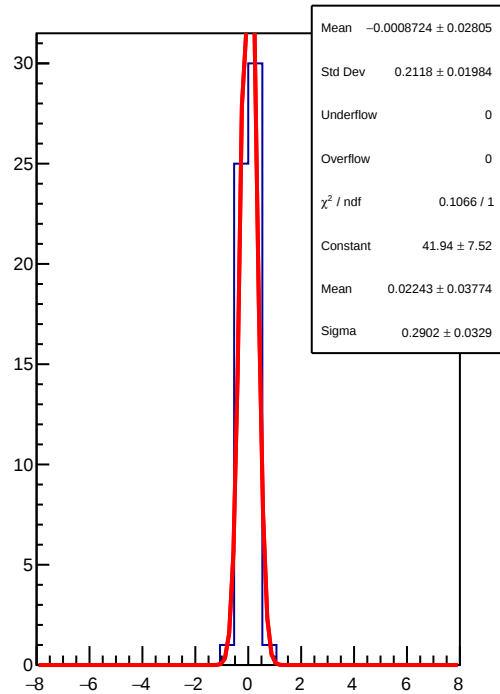
corr_usr_bpm4eY RMS (ppm)



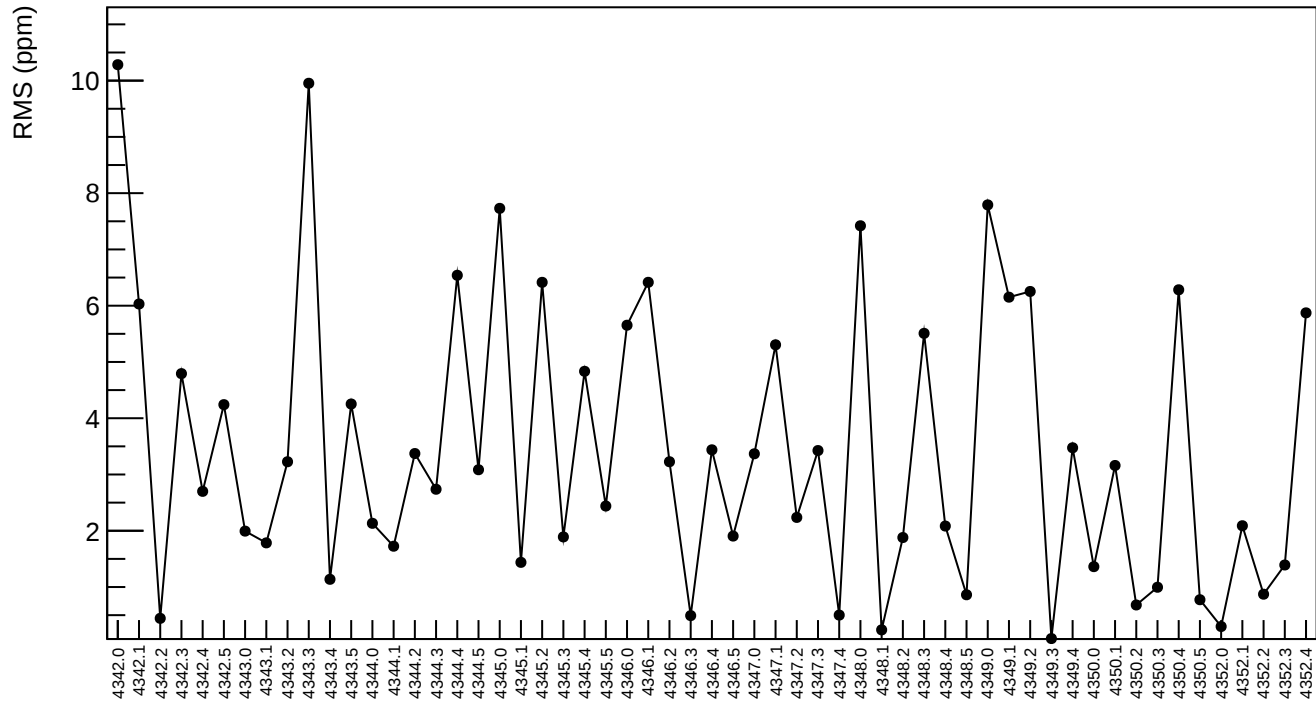
corr_usr_bpm4aX (ppb)



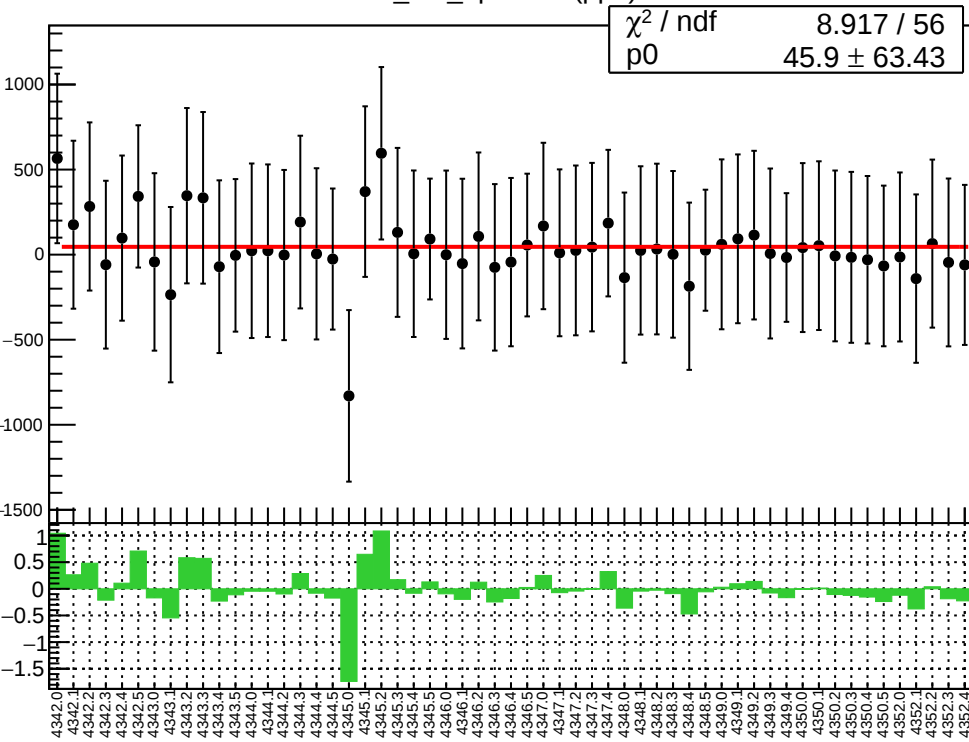
1D pull distribution



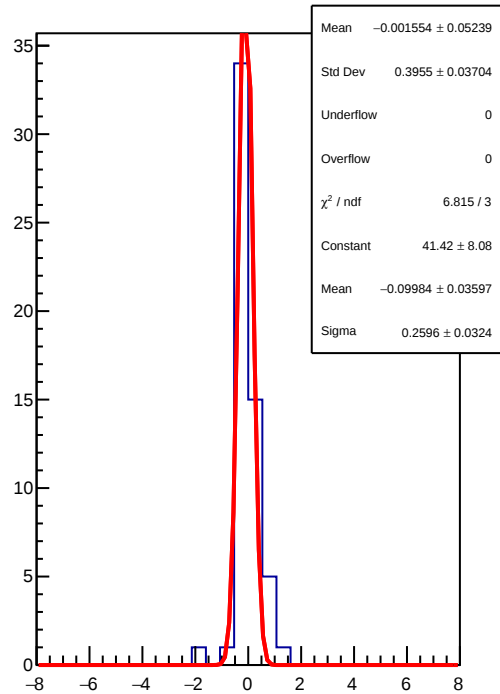
corr_usr_bpm4aX RMS (ppm)



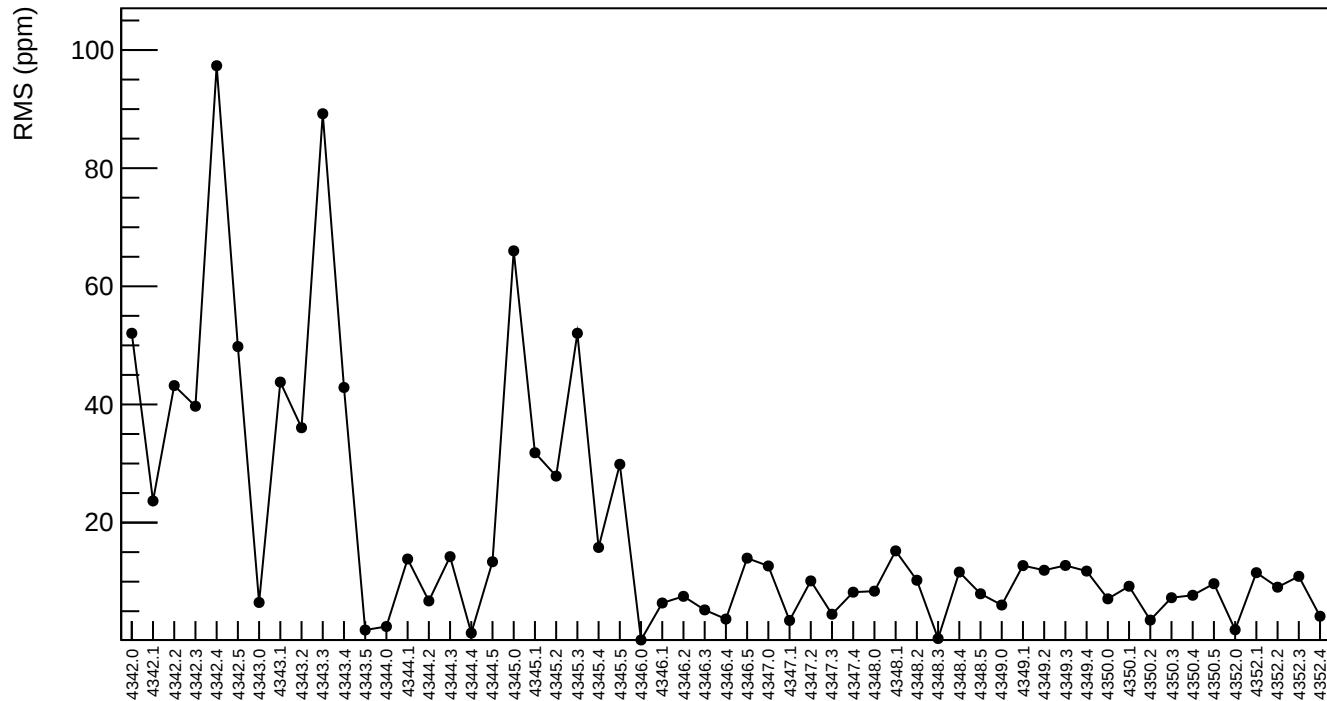
corr_usr_bpm4aY (ppb)



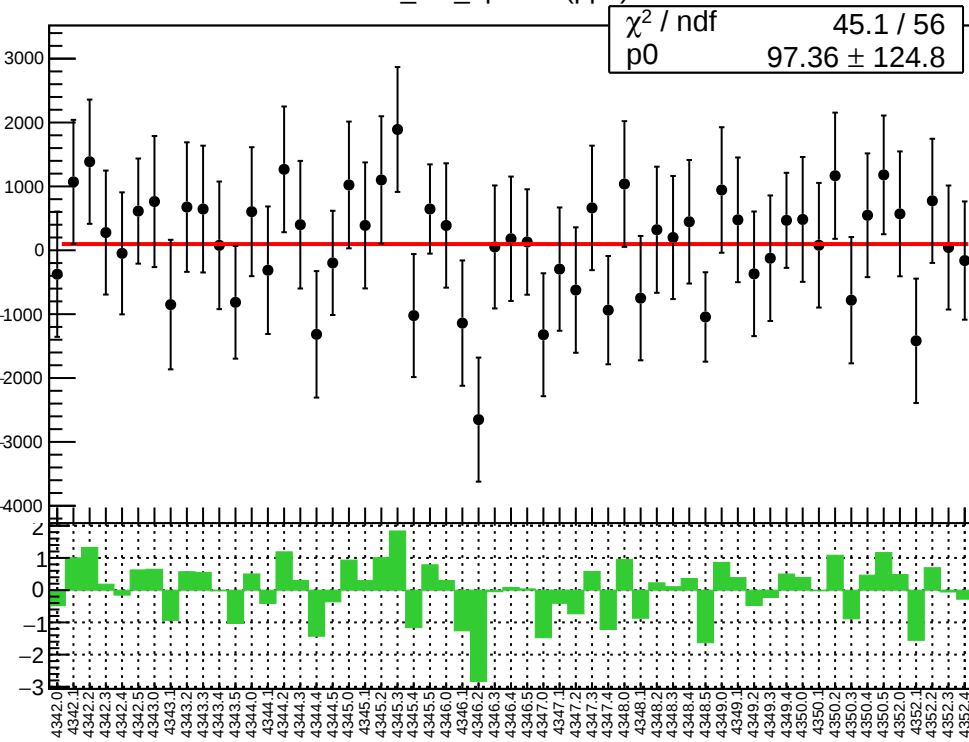
1D pull distribution



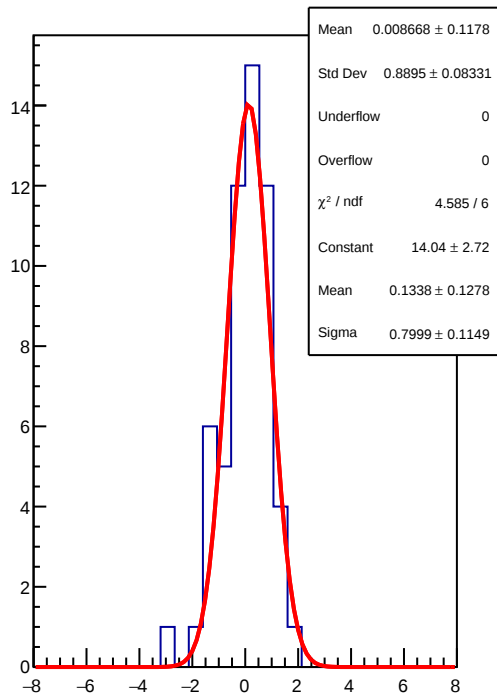
corr_usr_bpm4aY RMS (ppm)



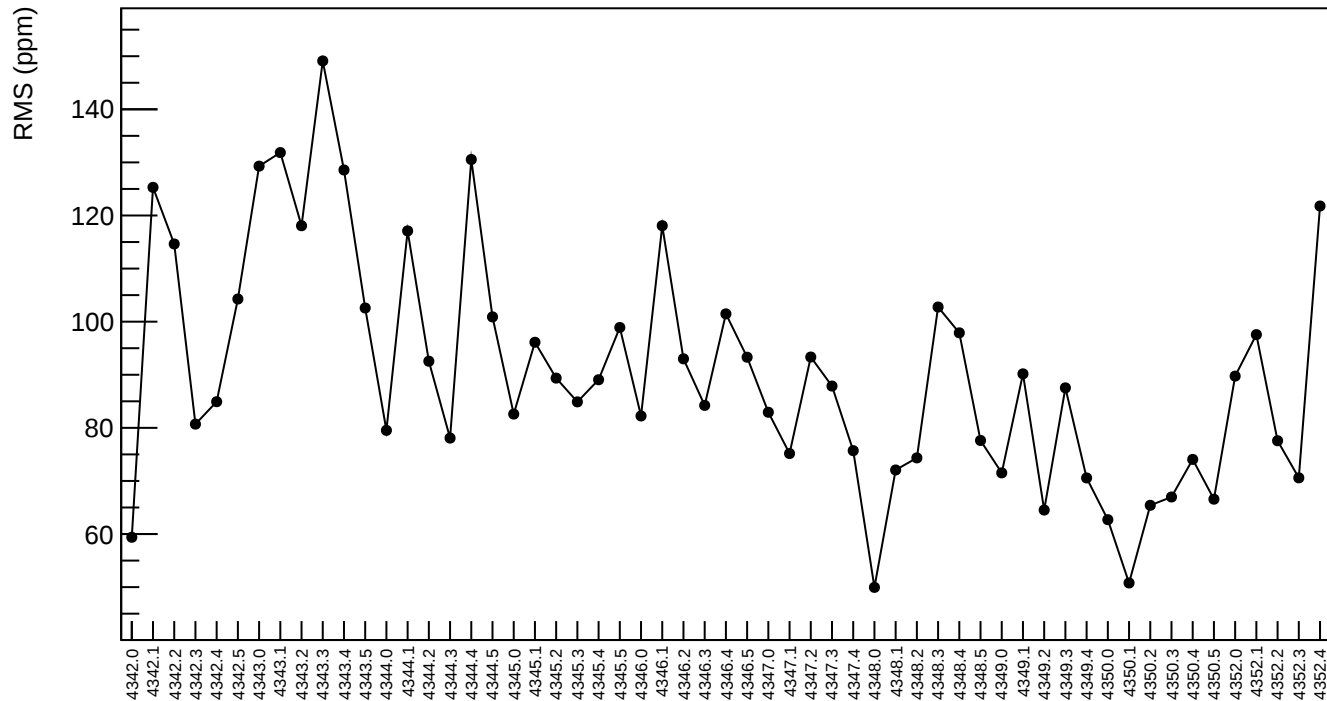
corr_usr_bpm1X (ppb)



1D pull distribution



corr_usr_bpm1X RMS (ppm)

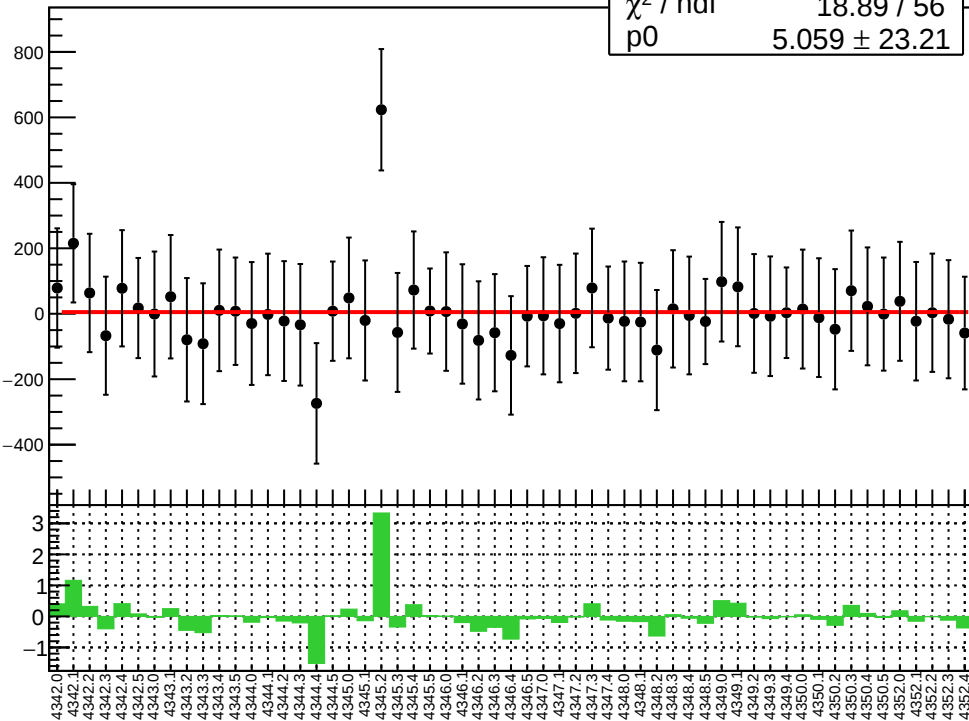


corr_usr_bpm1Y (ppb)

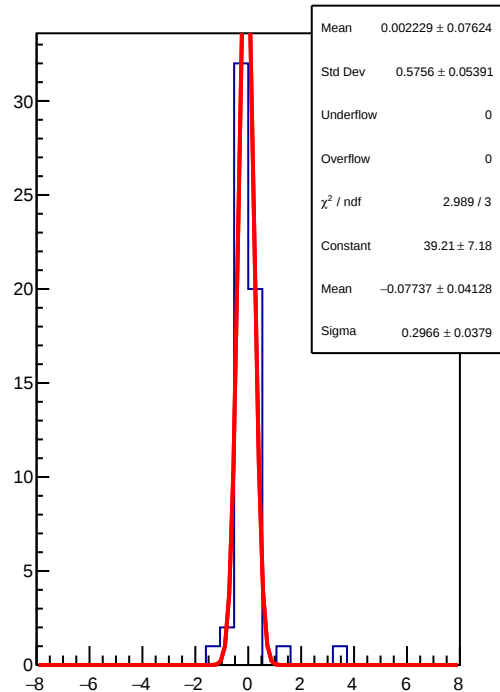
 χ^2 / nfd

18.89 / 56

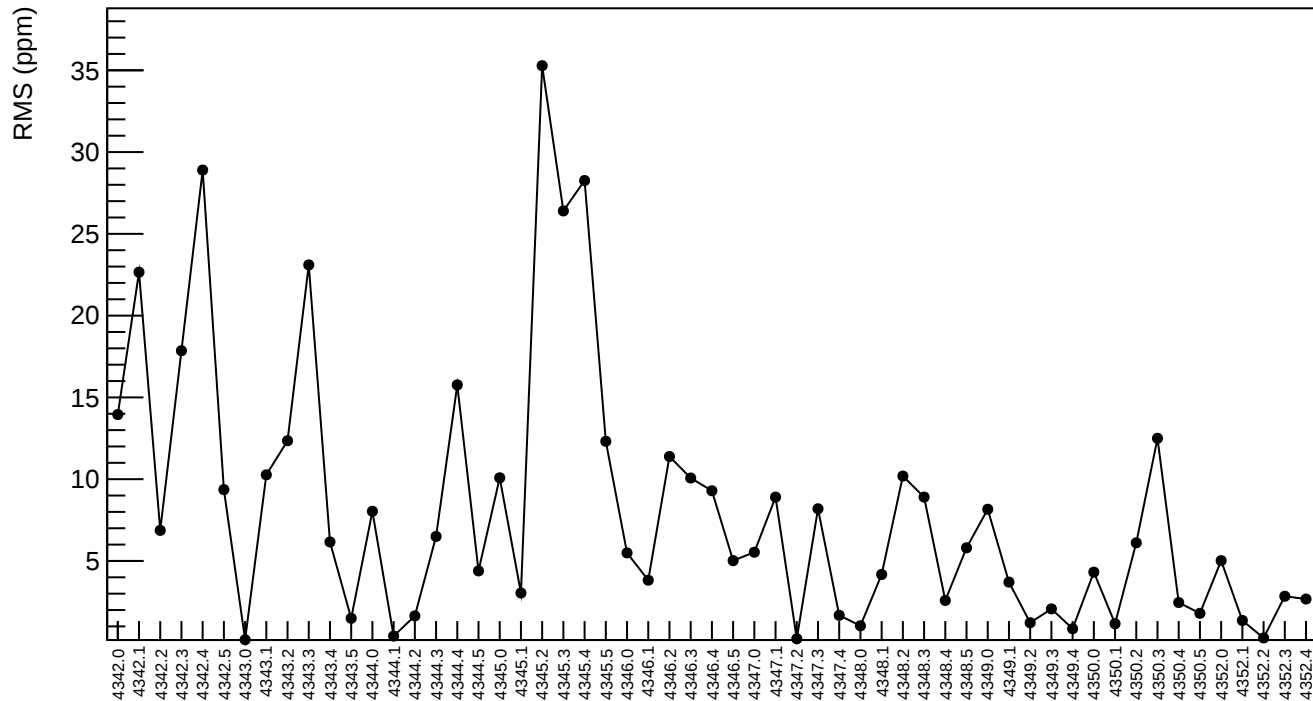
p0

 5.059 ± 23.21 

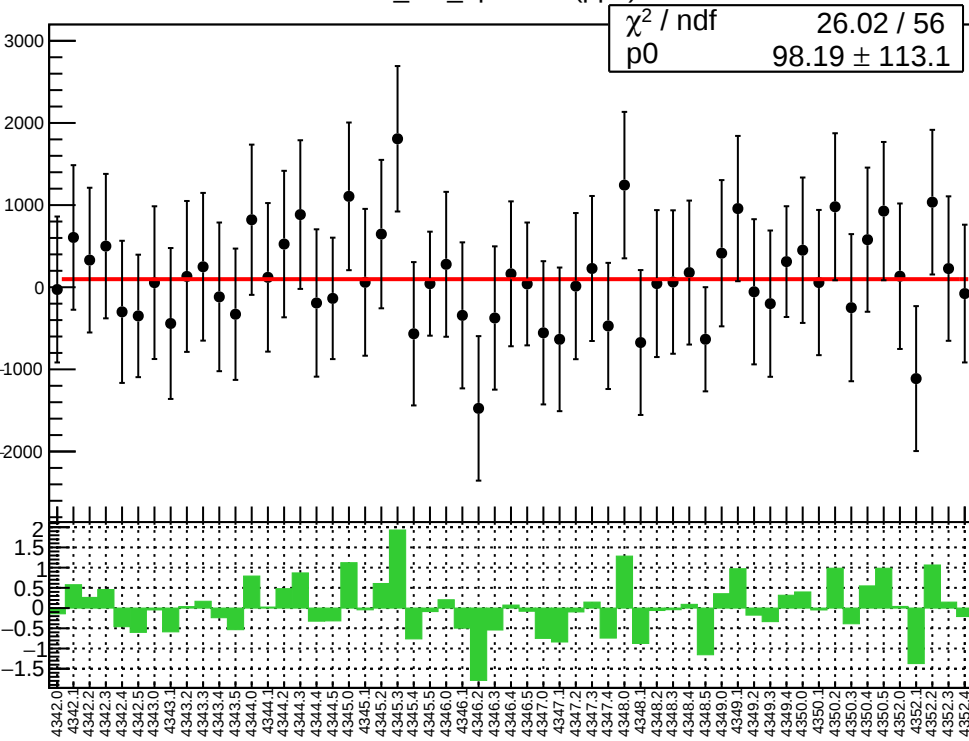
1D pull distribution



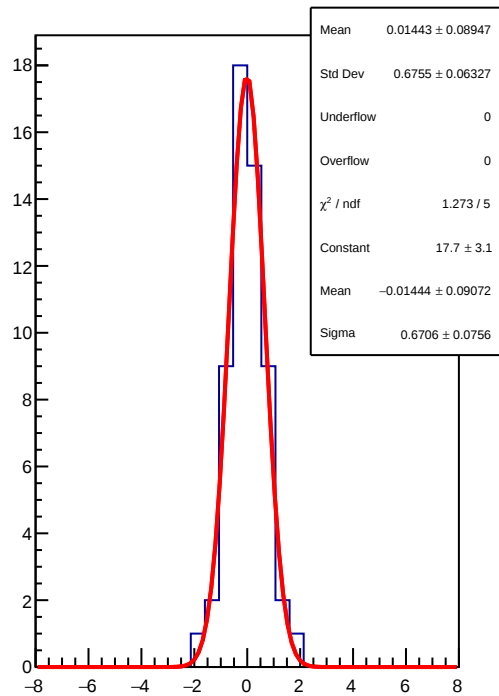
corr_usr_bpm1Y RMS (ppm)



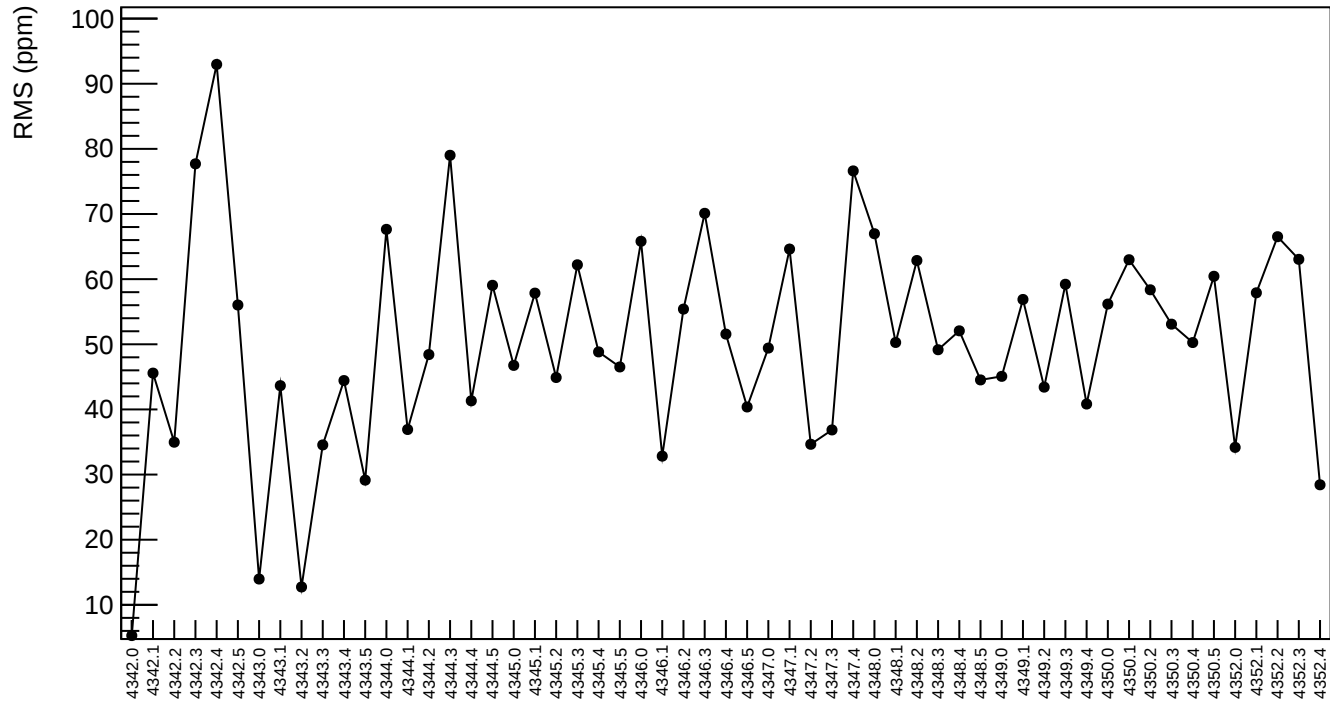
corr_usr_bpm16X (ppb)



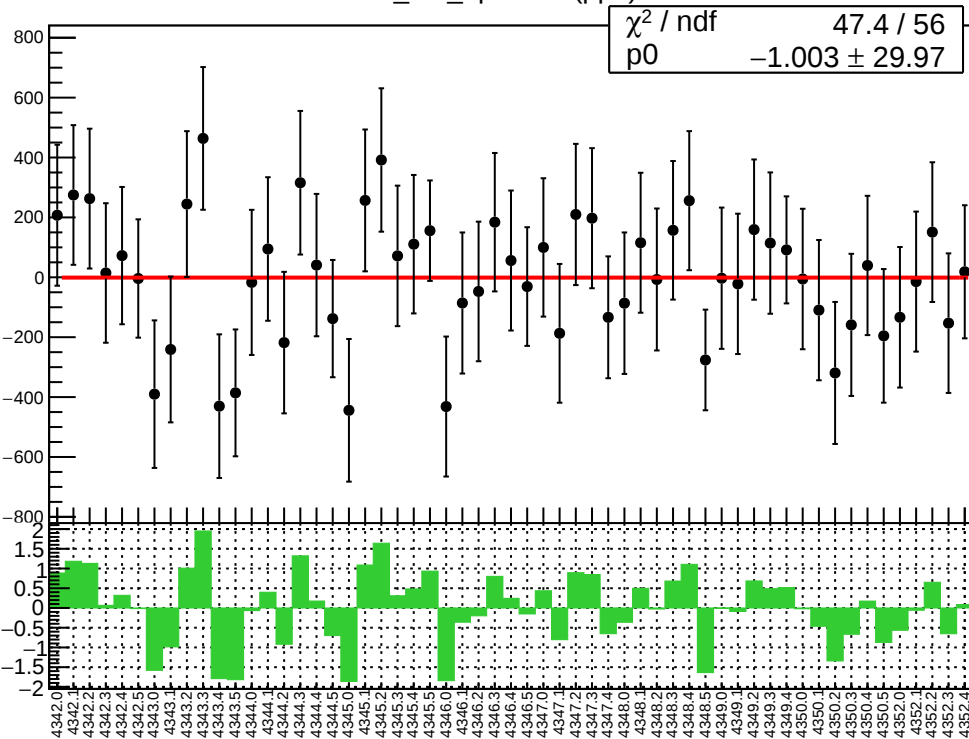
1D pull distribution



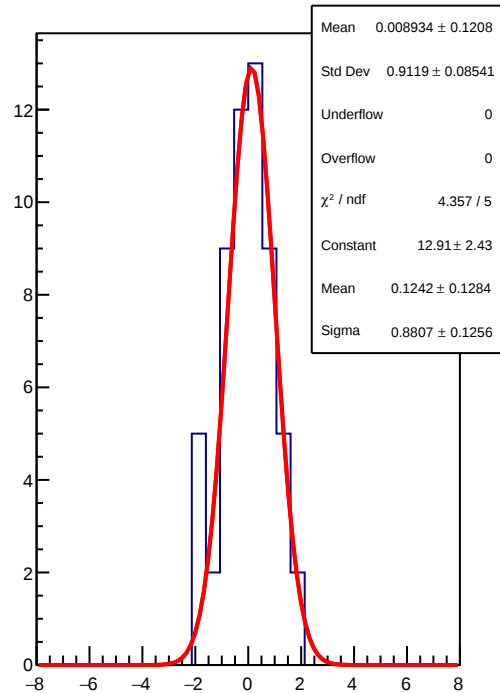
corr_usr_bpm16X RMS (ppm)



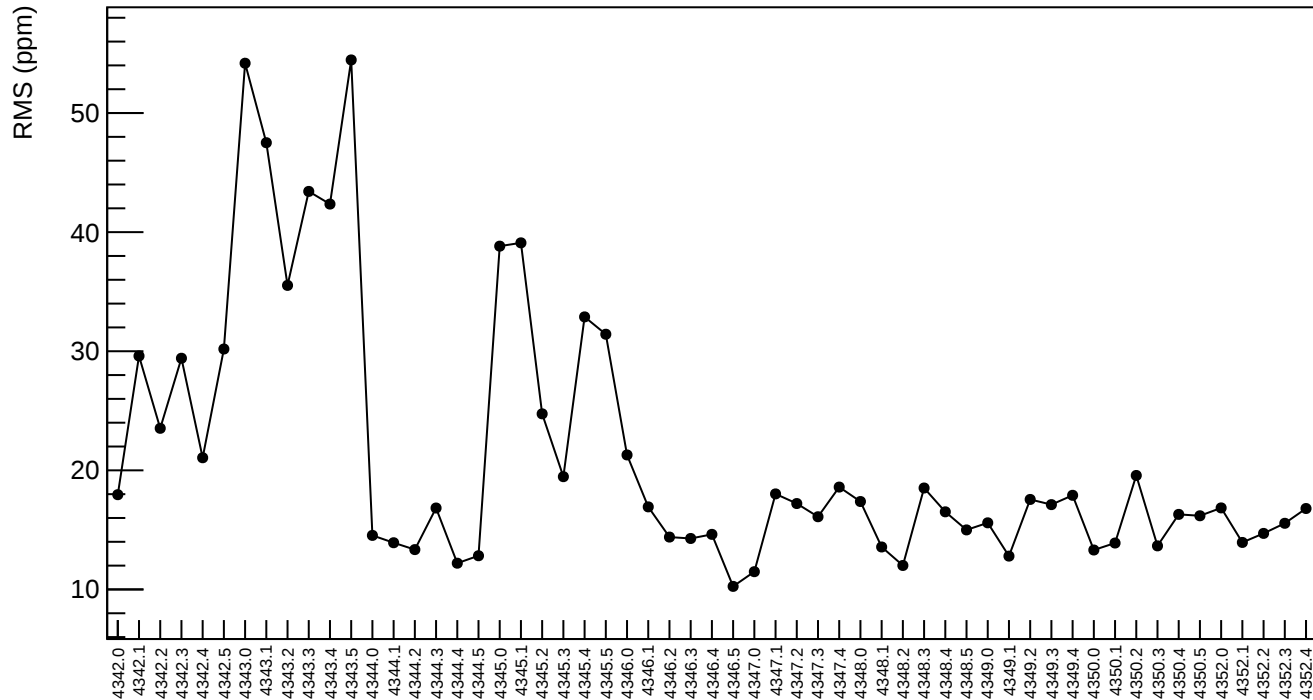
corr_usr_bpm16Y (ppb)



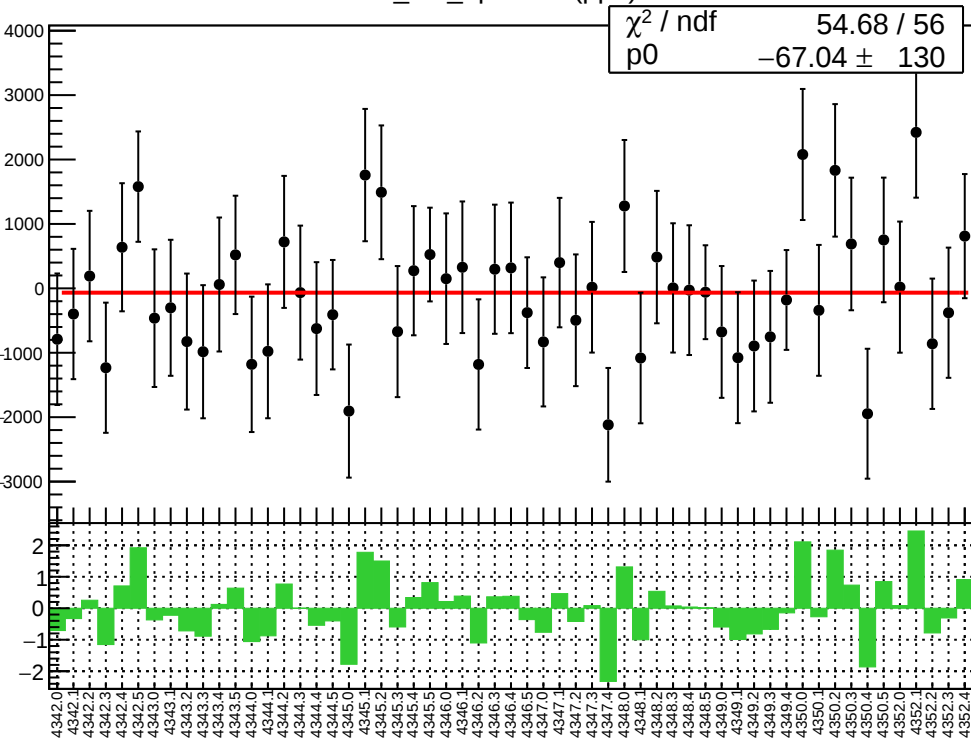
1D pull distribution



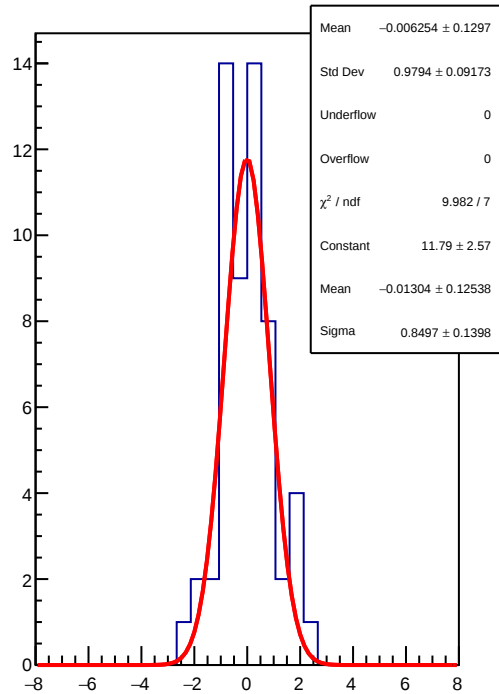
corr_usr_bpm16Y RMS (ppm)



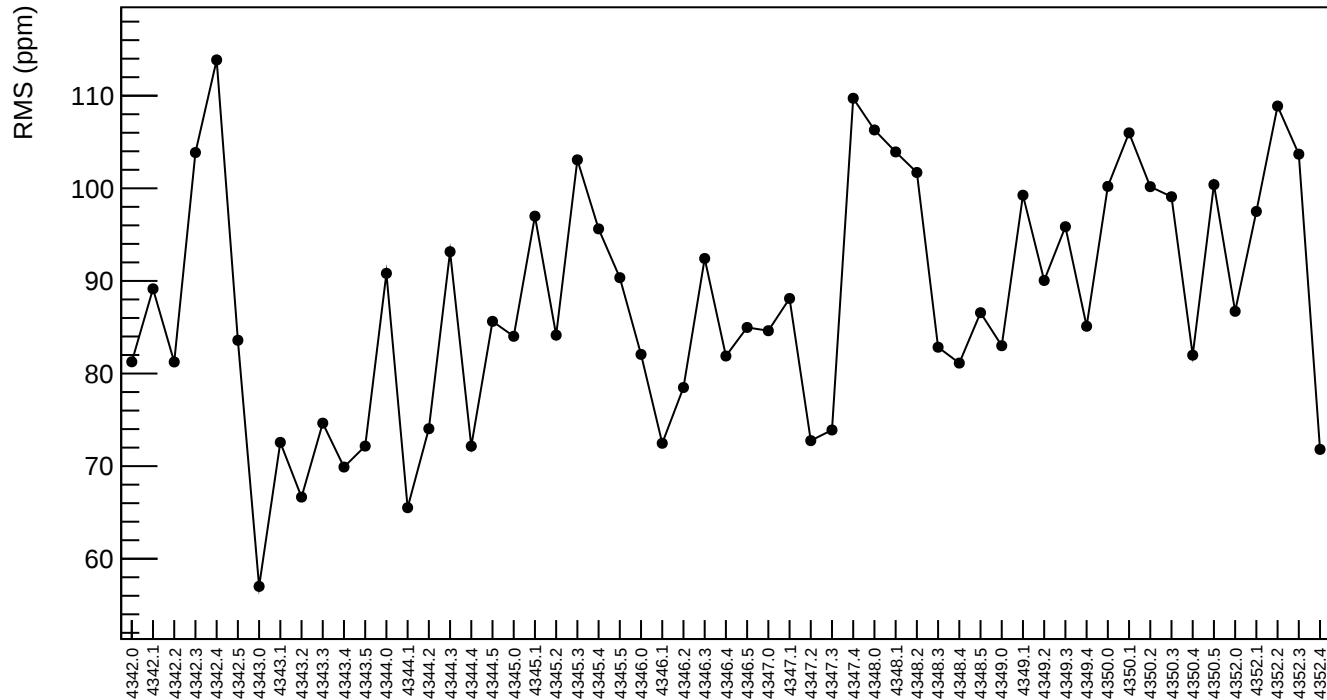
corr_usr_bpm12X (ppb)



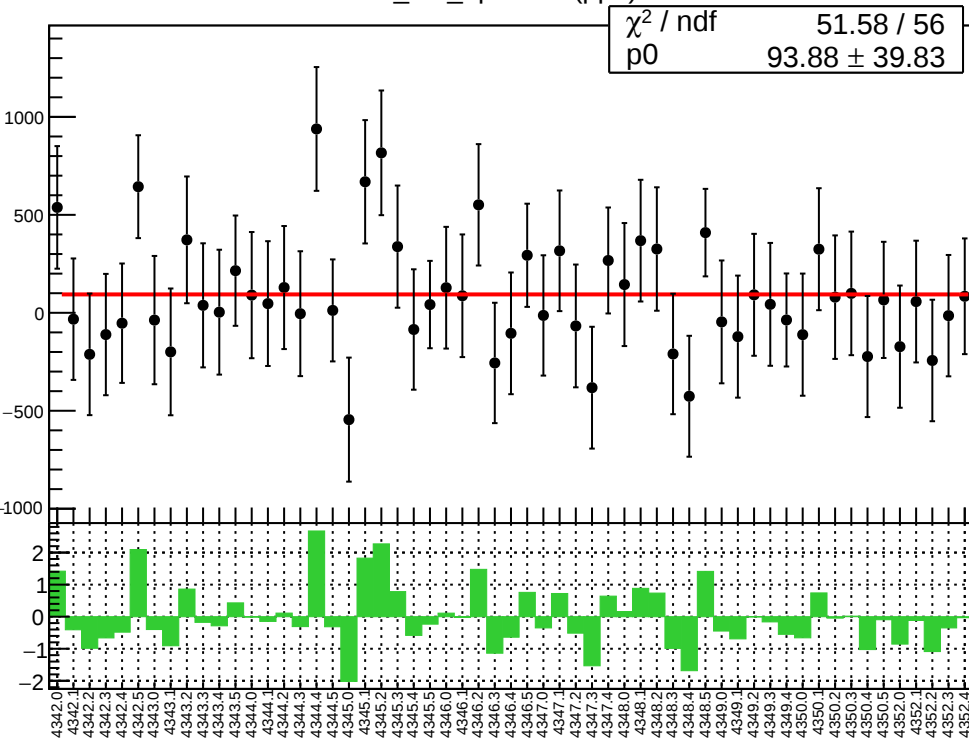
1D pull distribution



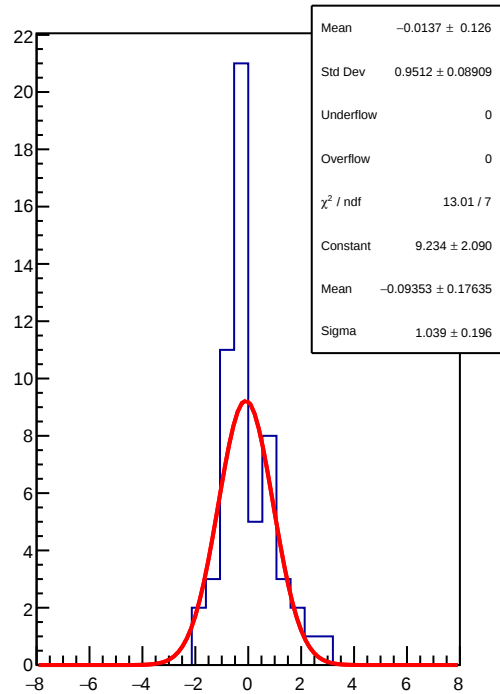
corr_usr_bpm12X RMS (ppm)



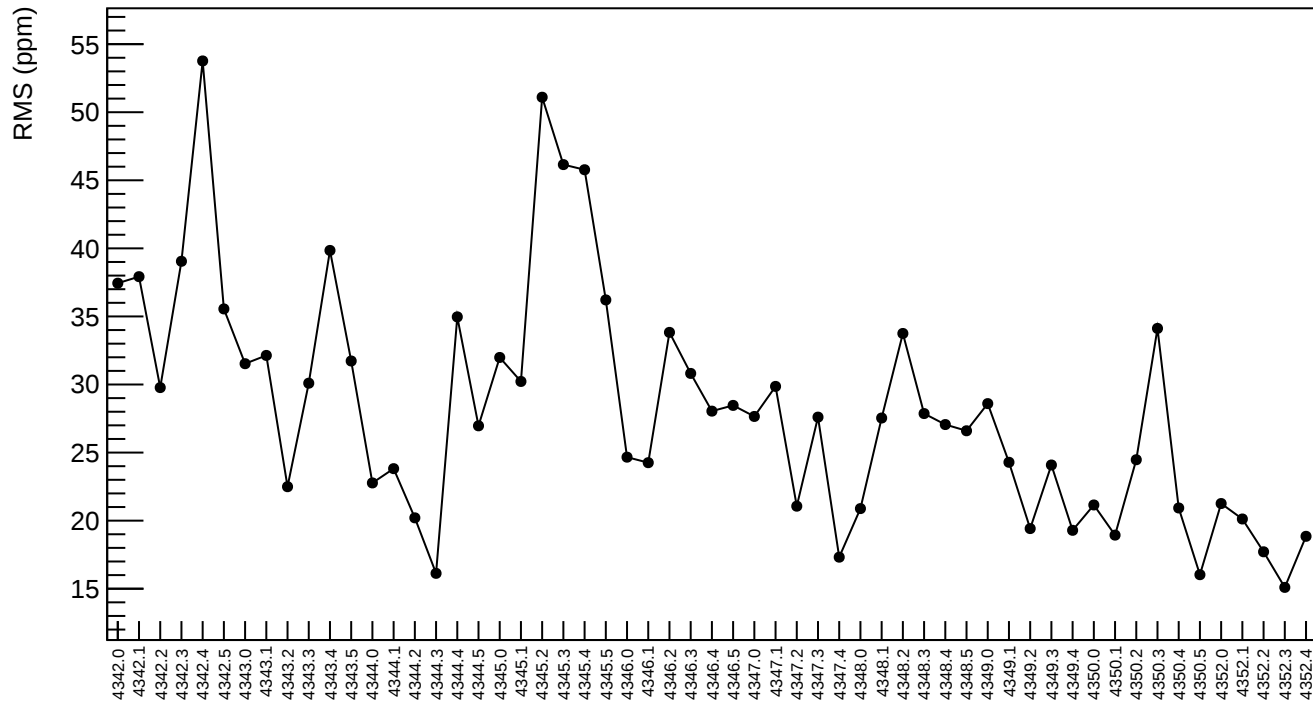
corr_usr_bpm12Y (ppb)



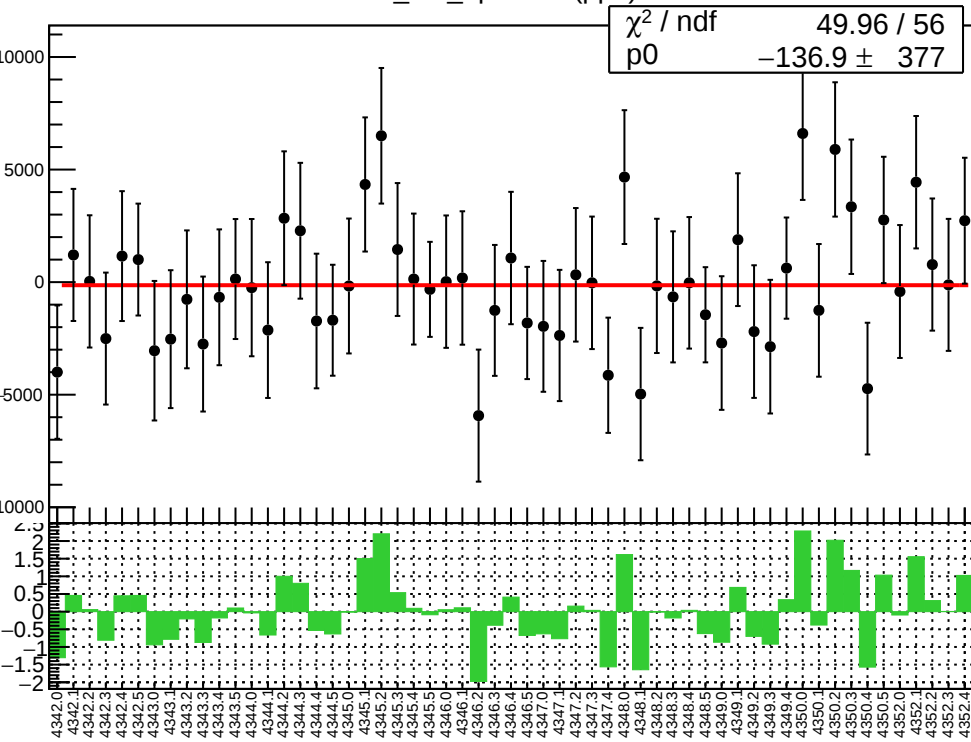
1D pull distribution



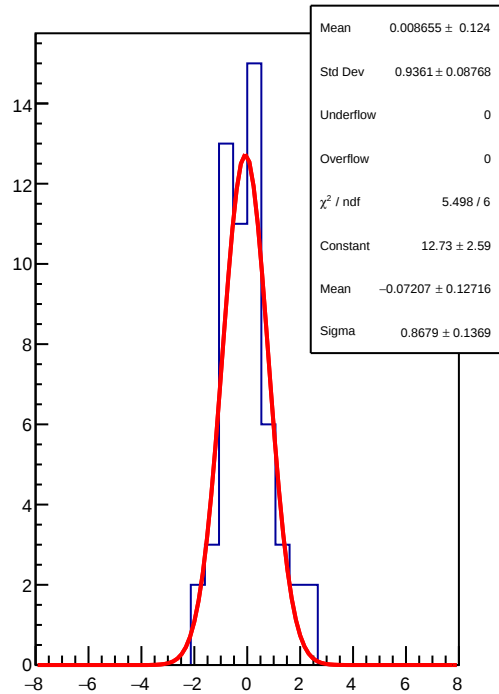
corr_usr_bpm12Y RMS (ppm)



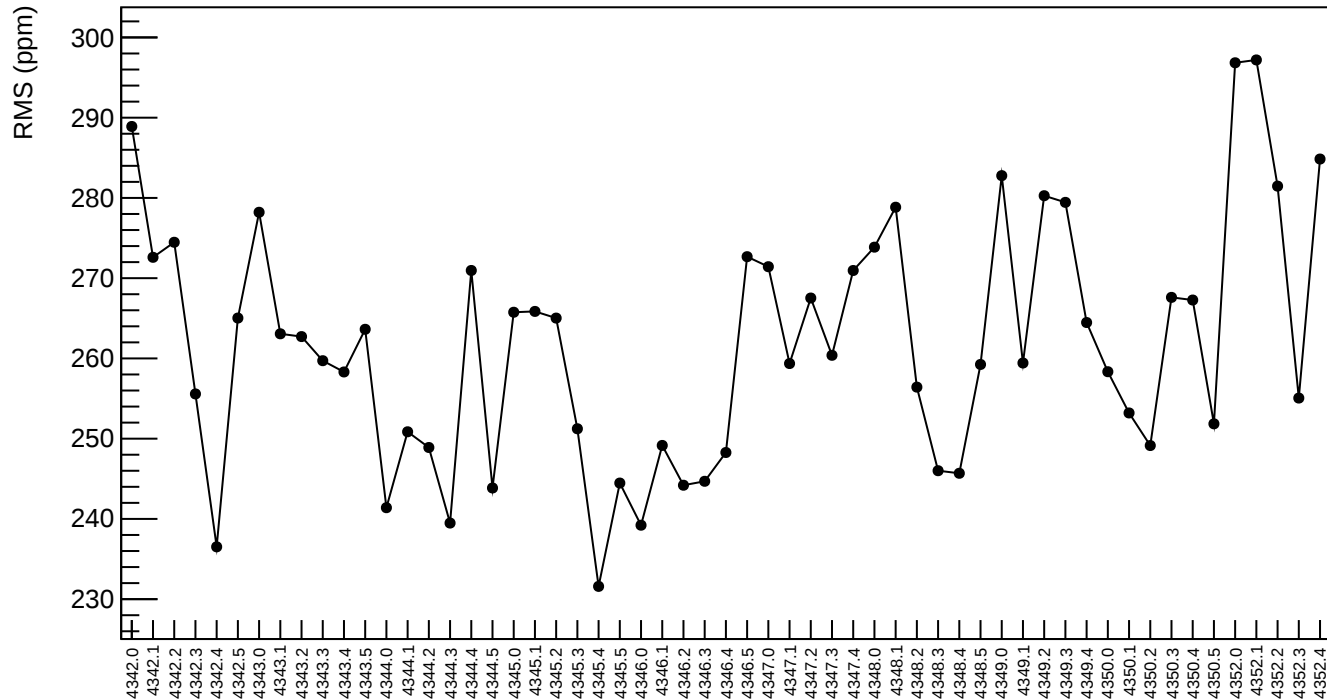
corr_usr_bpm11X (ppb)



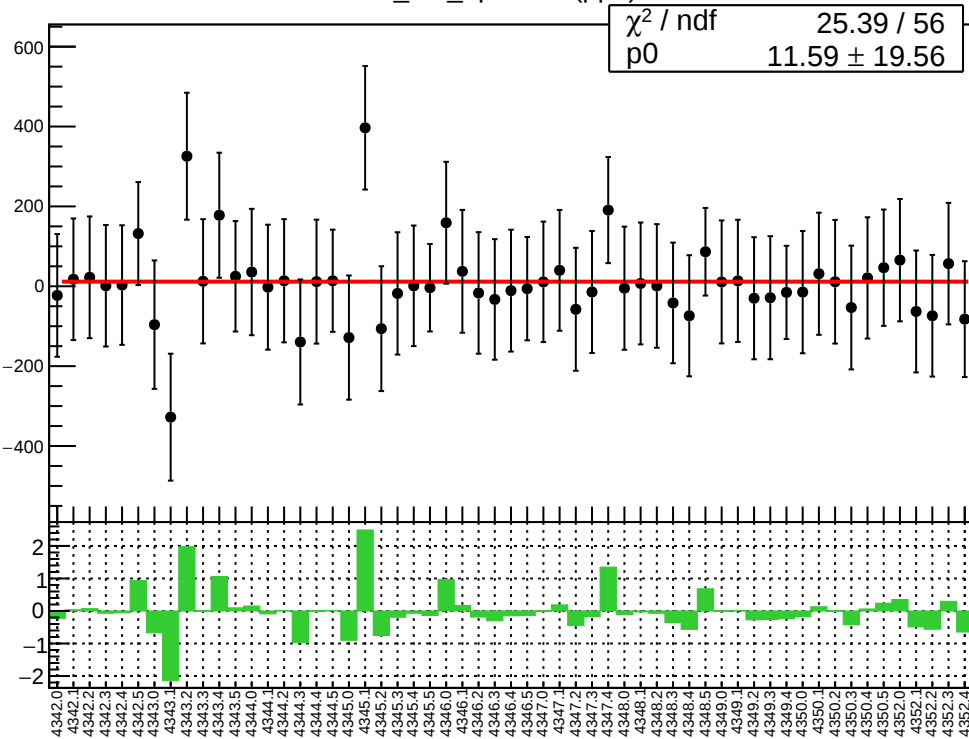
1D pull distribution



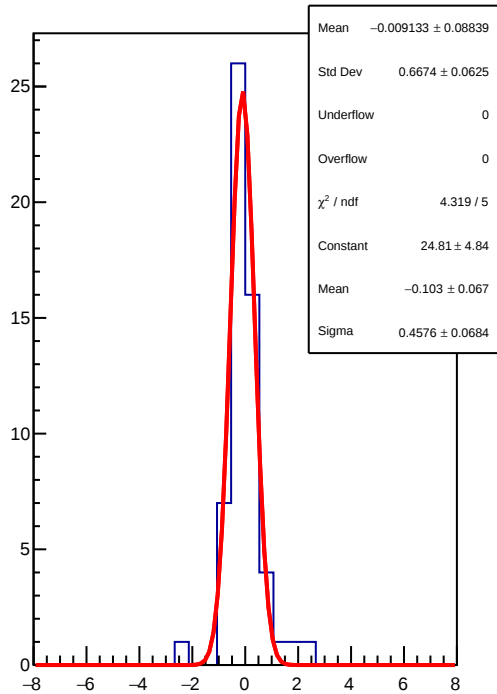
corr_usr_bpm11X RMS (ppm)



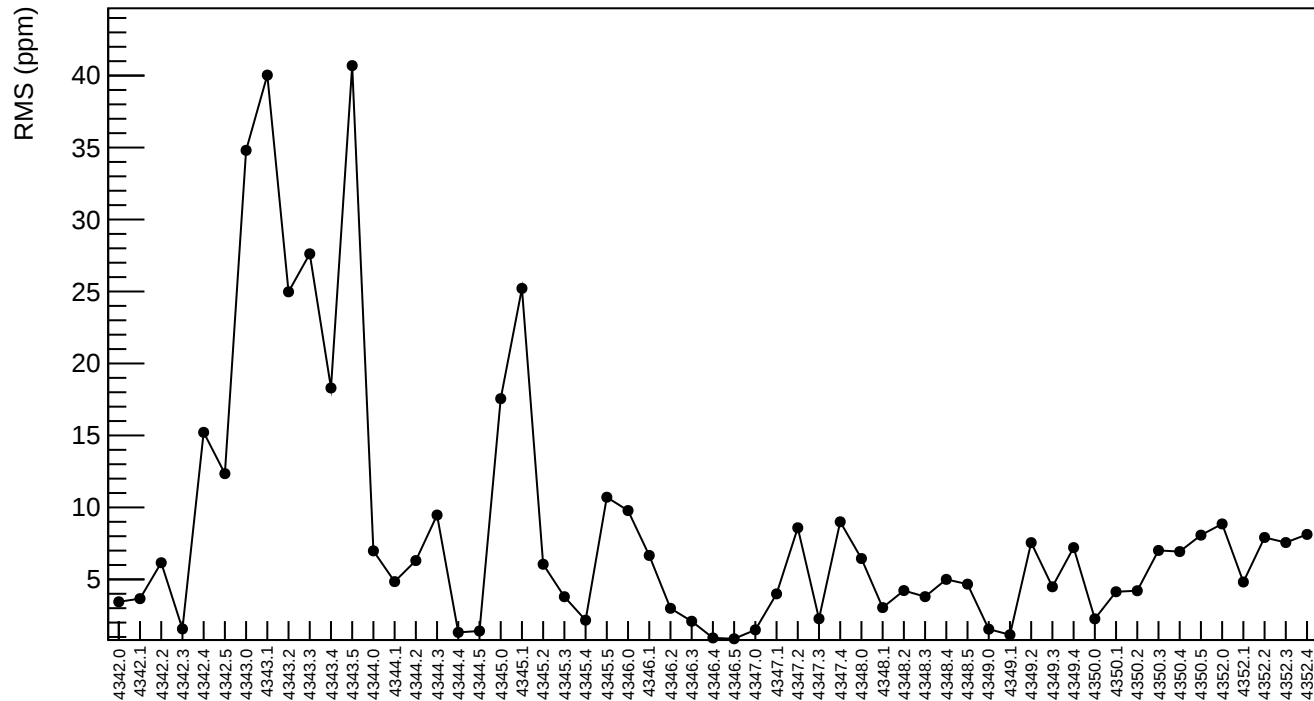
corr_usr_bpm11Y (ppb)



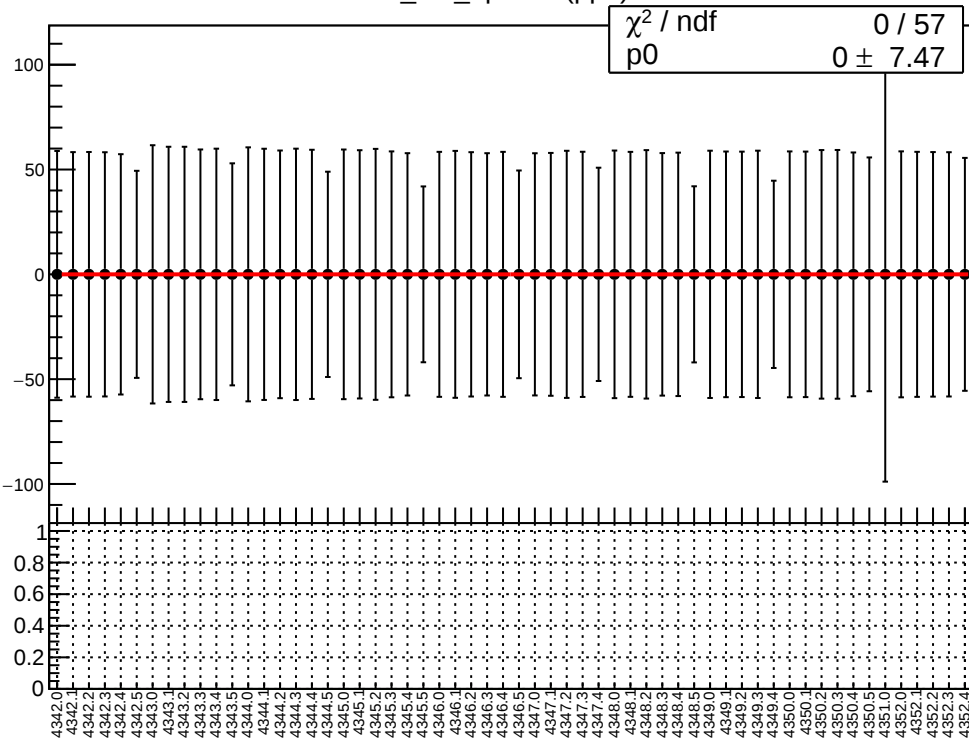
1D pull distribution



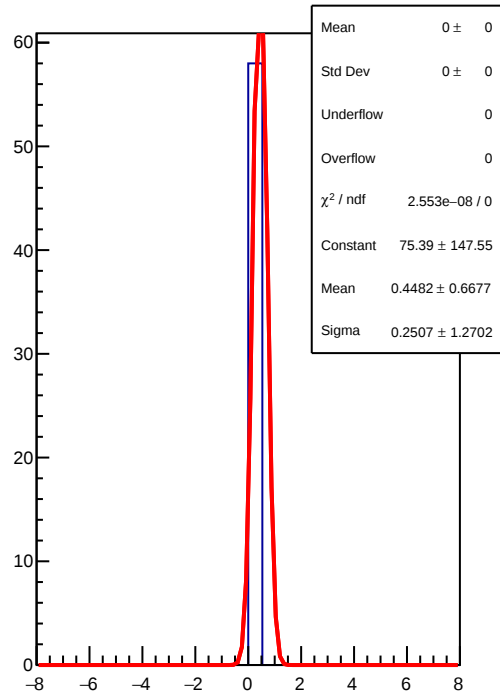
corr_usr_bpm11Y RMS (ppm)



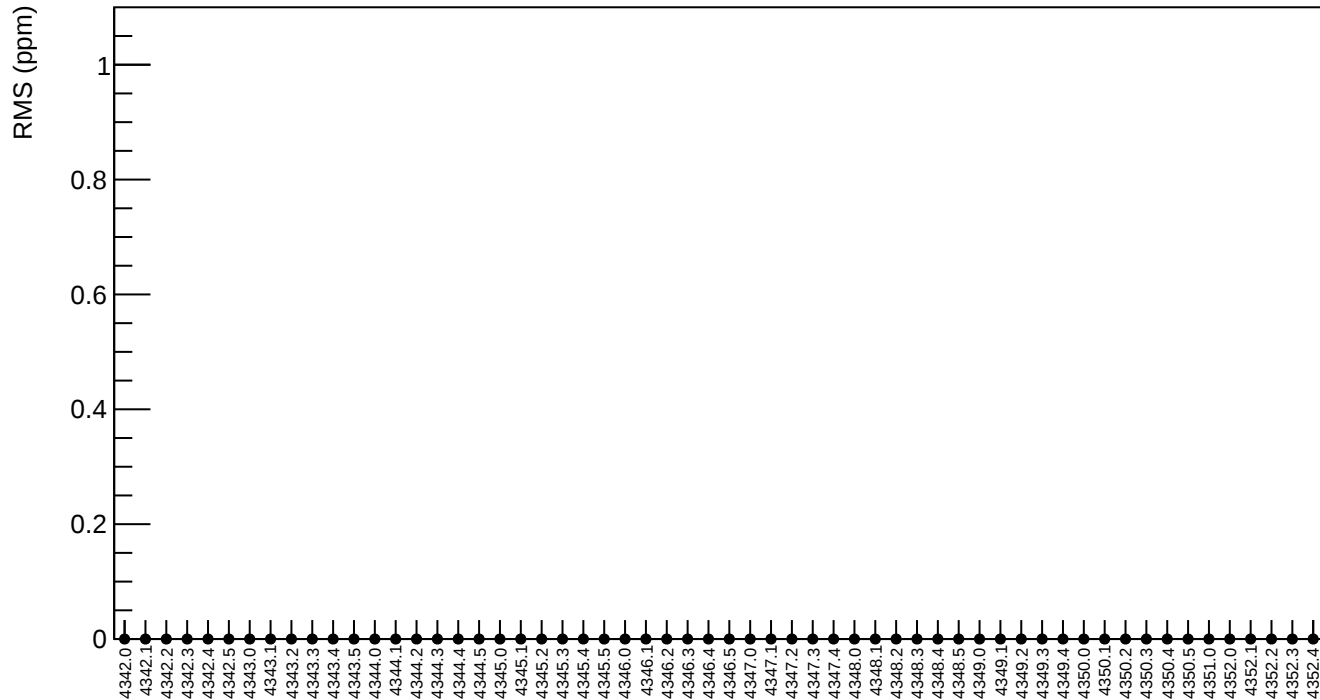
corr_usr_bpm8X (ppb)



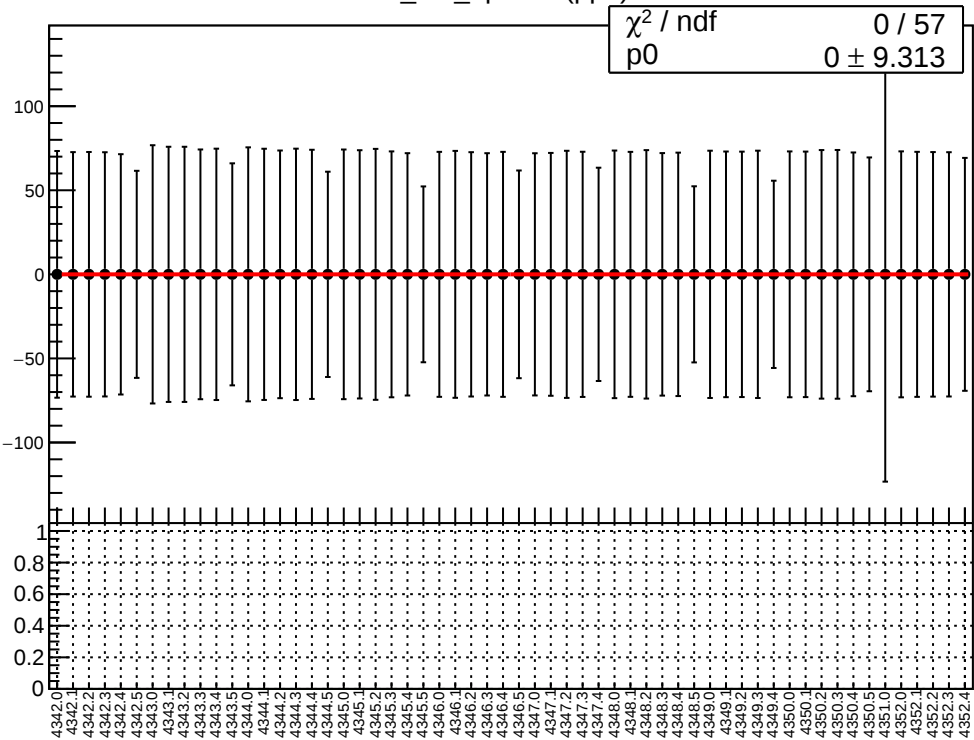
1D pull distribution



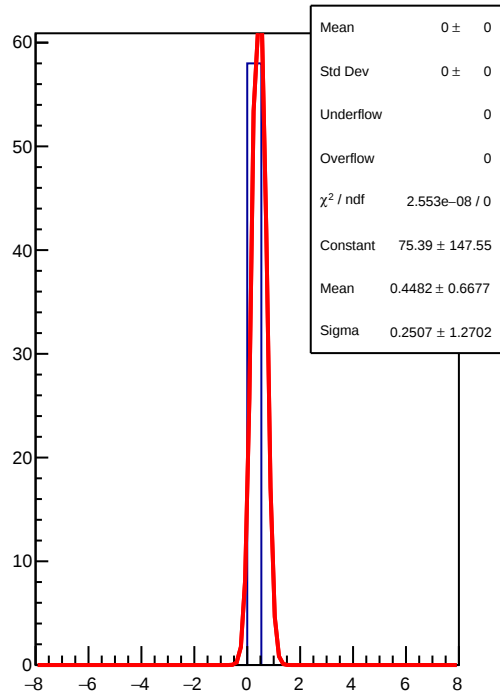
corr_usr_bpm8X RMS (ppm)



corr_usr_bpm8Y (ppb)



1D pull distribution



corr_usr_bpm8Y RMS (ppm)

