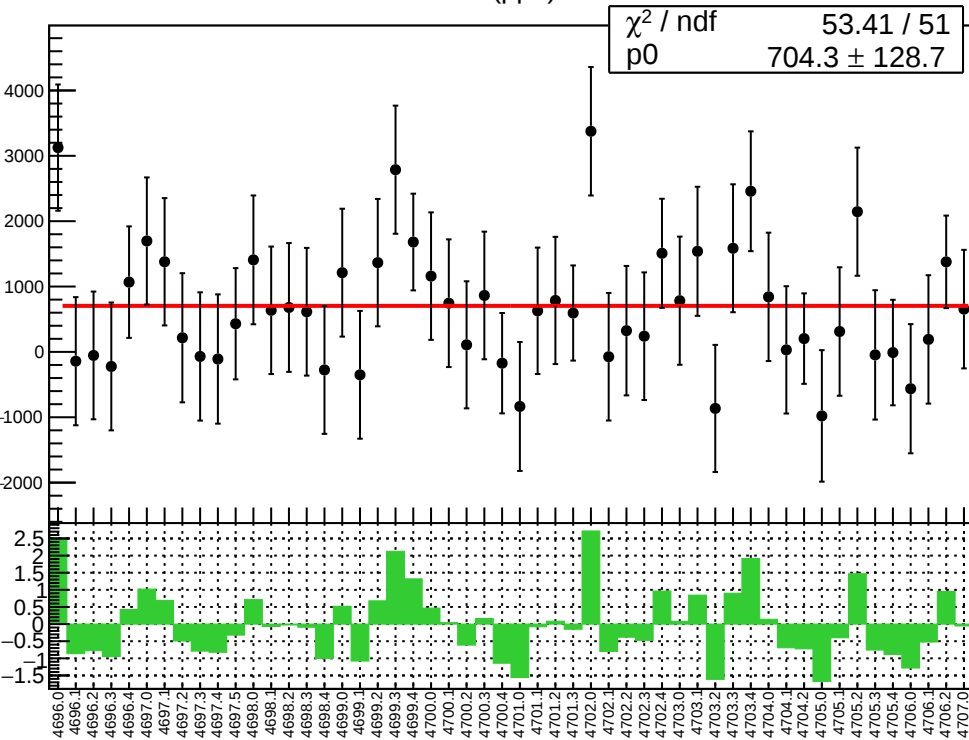
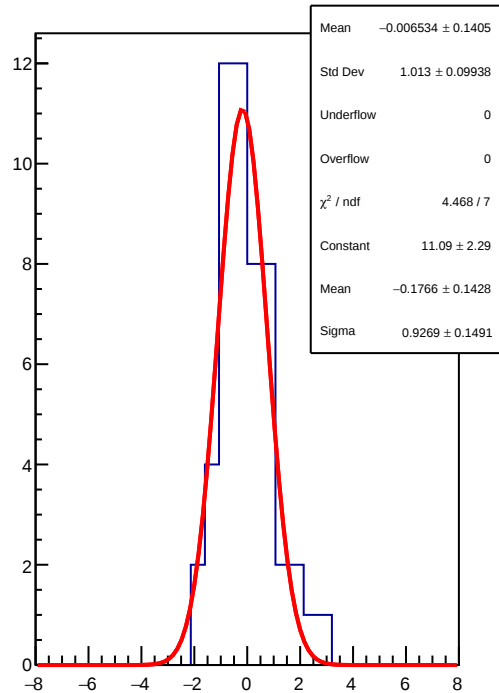


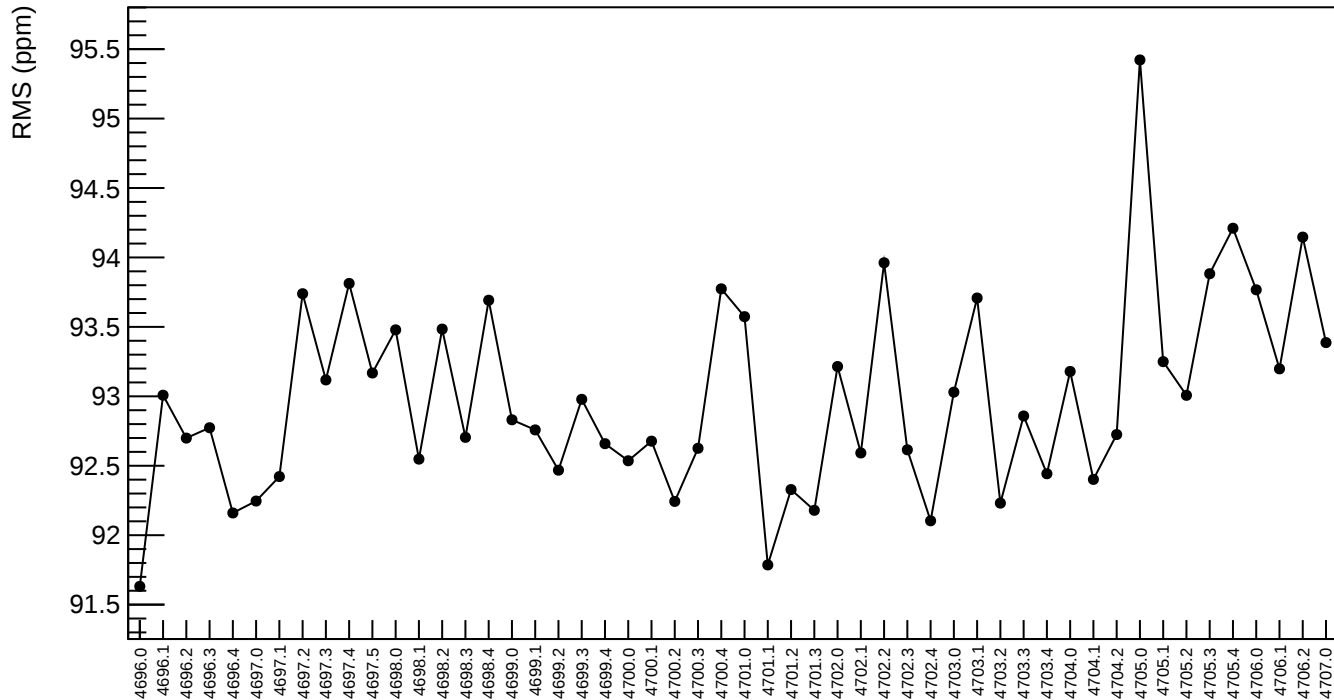
Adet (ppb)



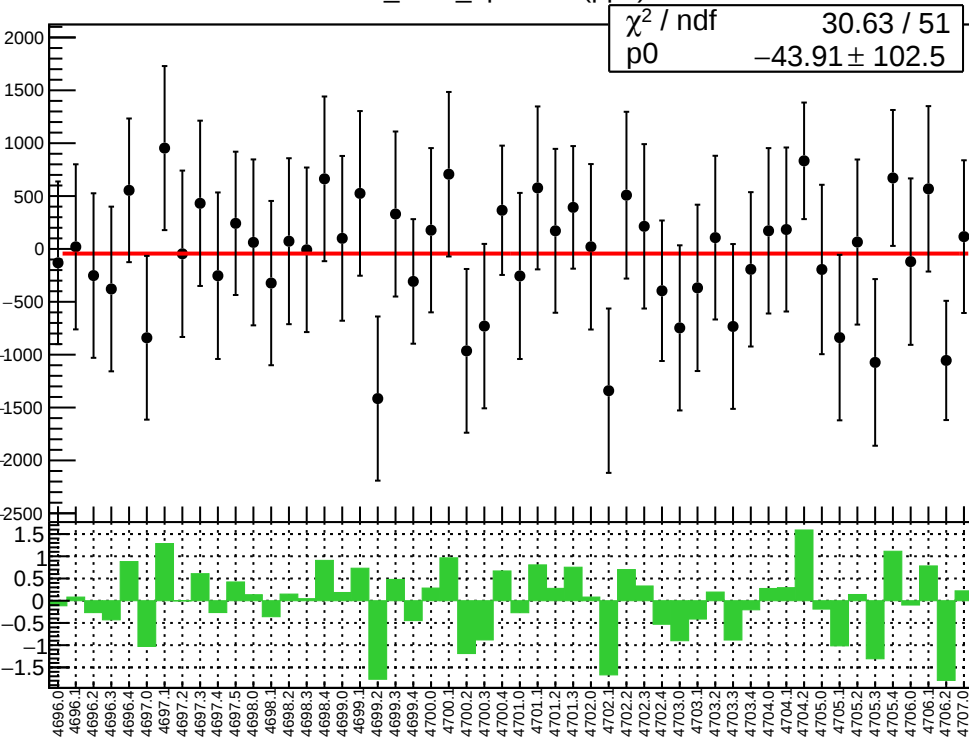
1D pull distribution



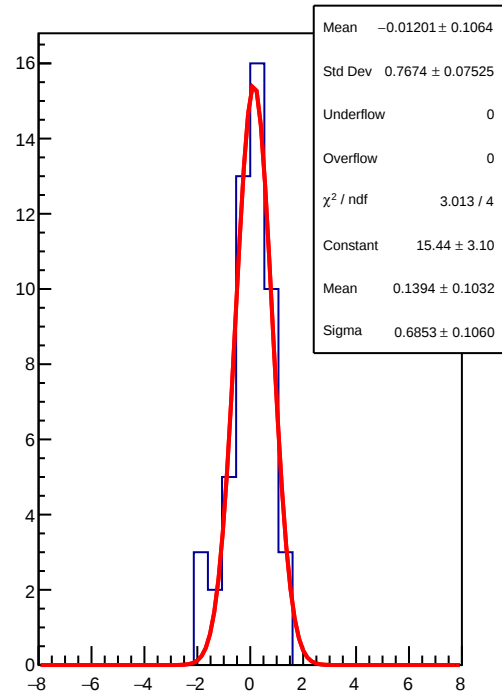
Adet RMS (ppm)



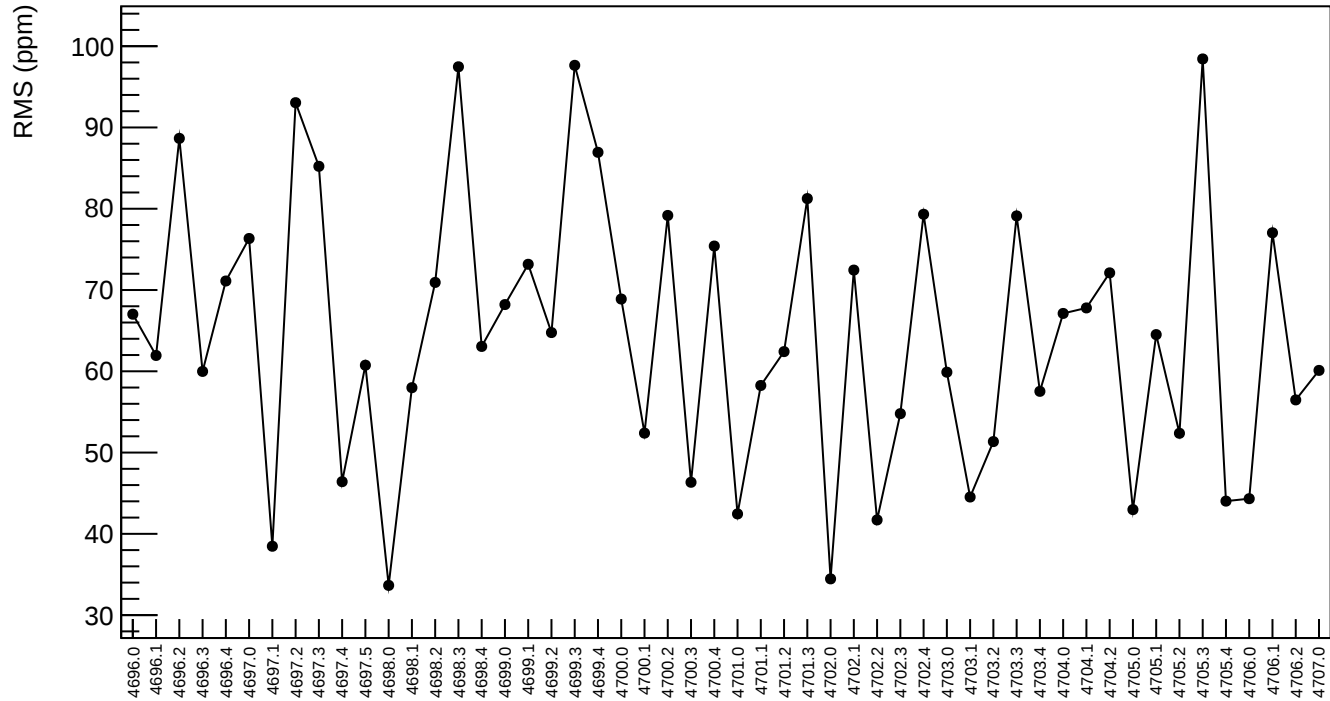
corr_Adet_bpm4eX (ppb)



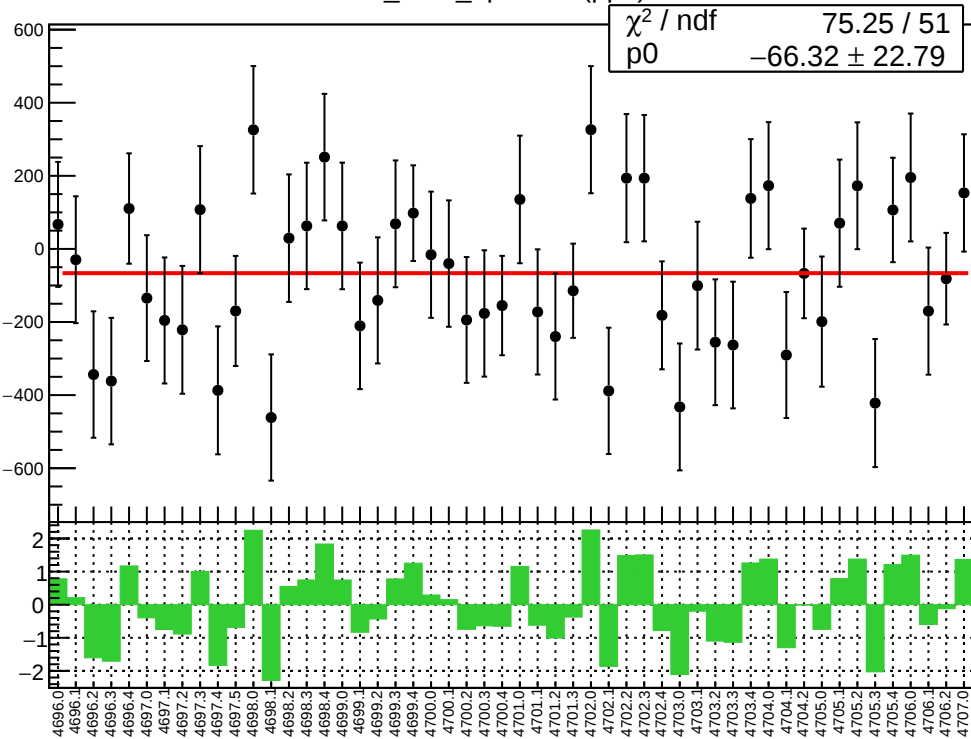
1D pull distribution



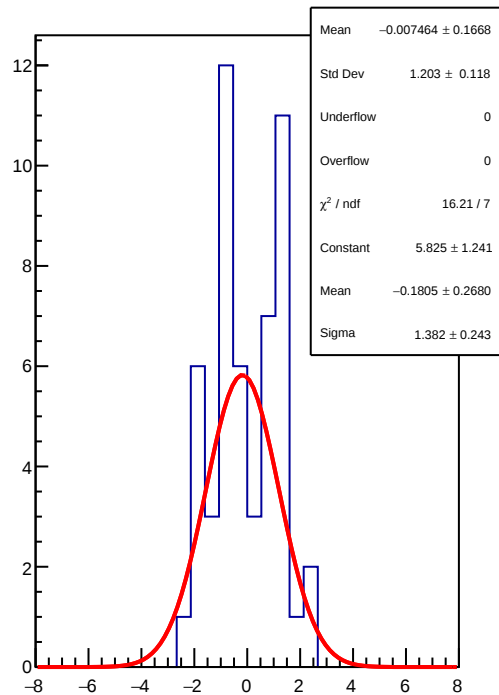
corr_Adet_bpm4eX RMS (ppm)



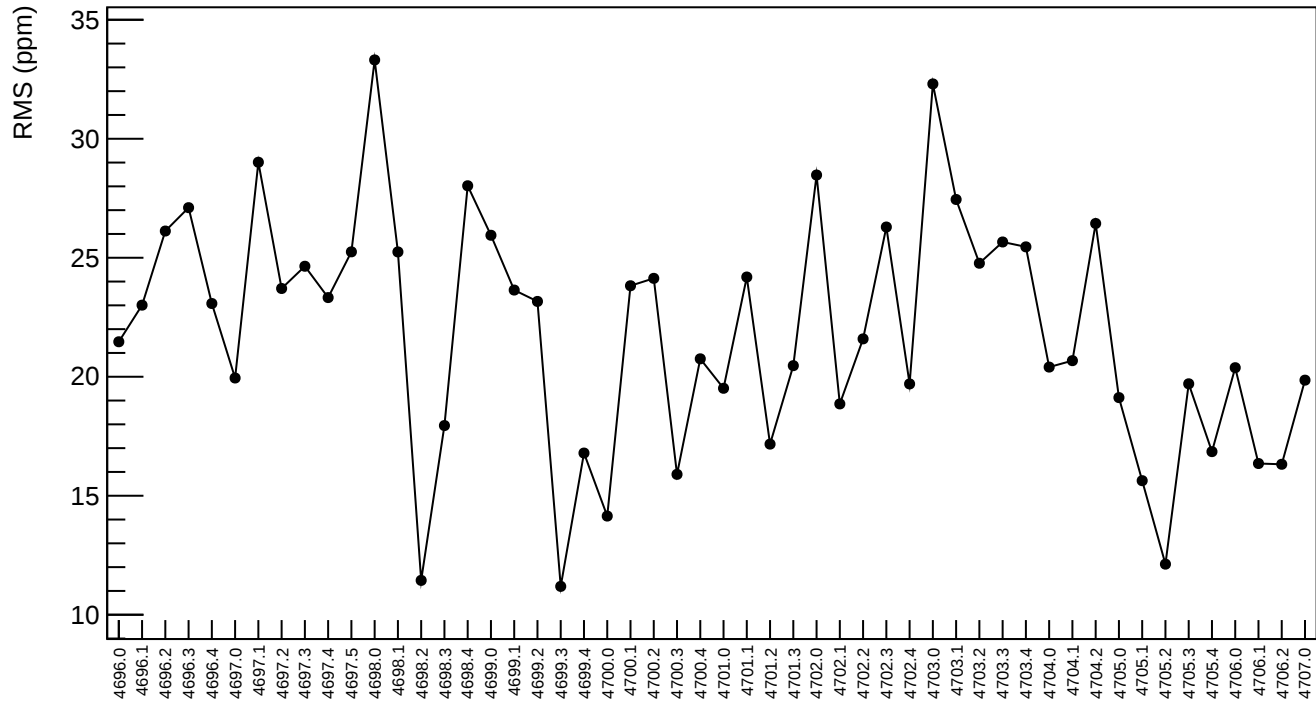
corr_Adet_bpm4eY (ppb)



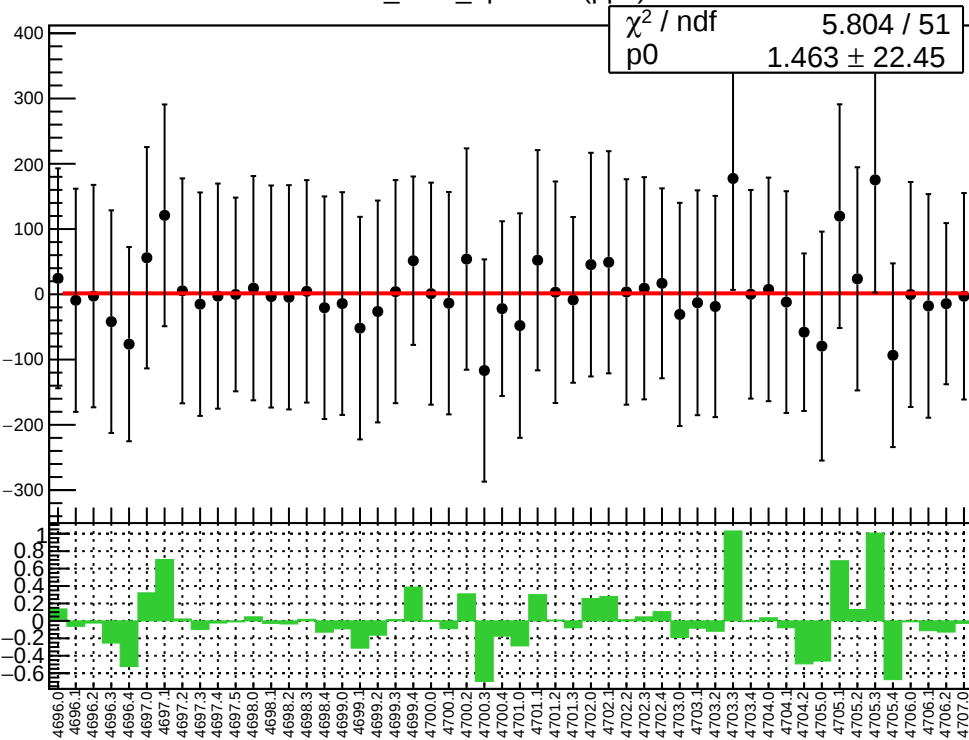
1D pull distribution



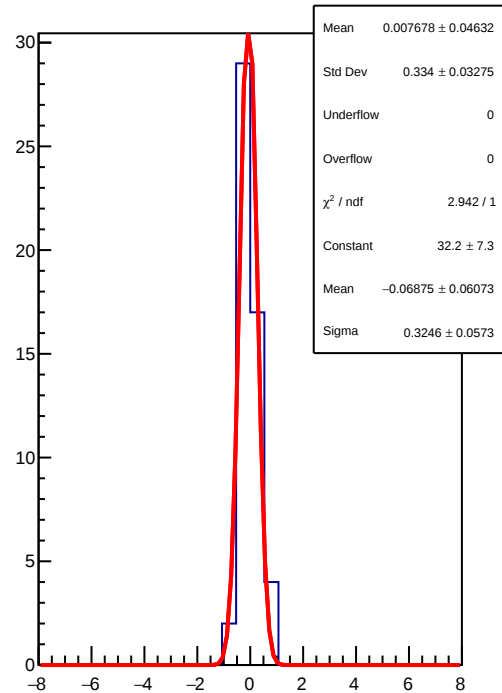
corr_Adet_bpm4eY RMS (ppm)



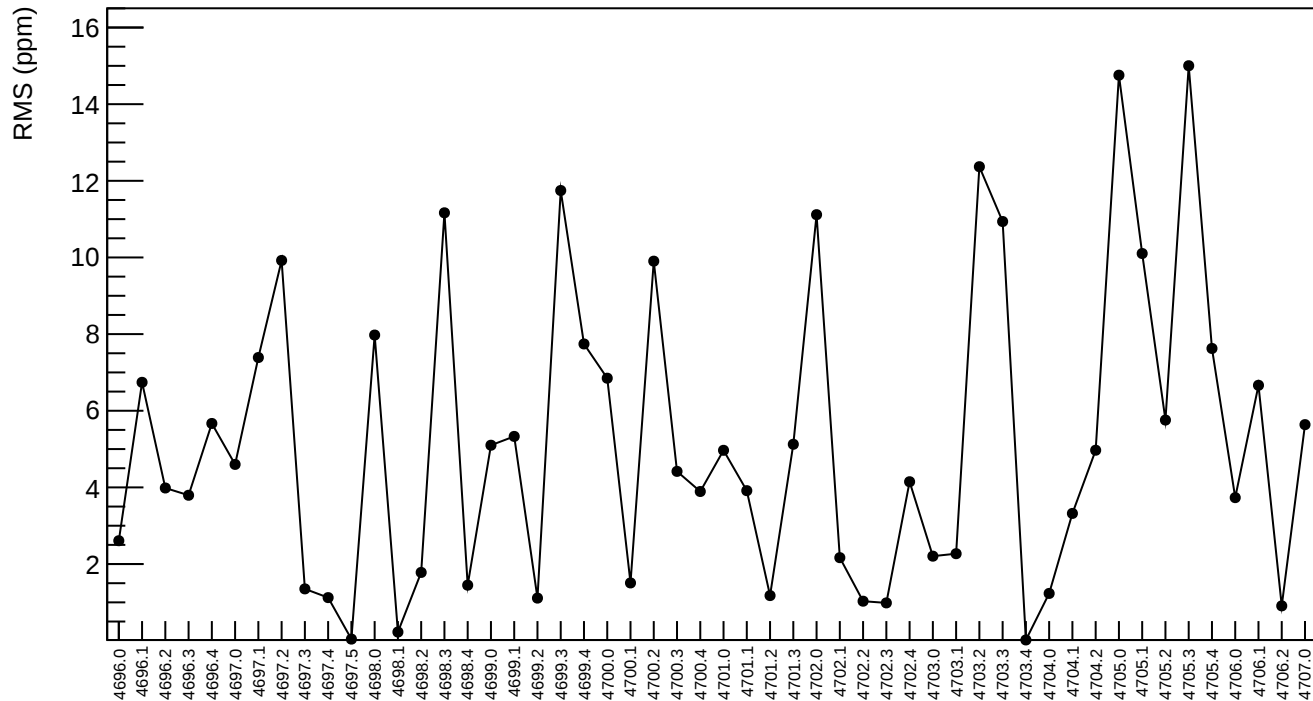
corr_Adet_bpm4aX (ppb)



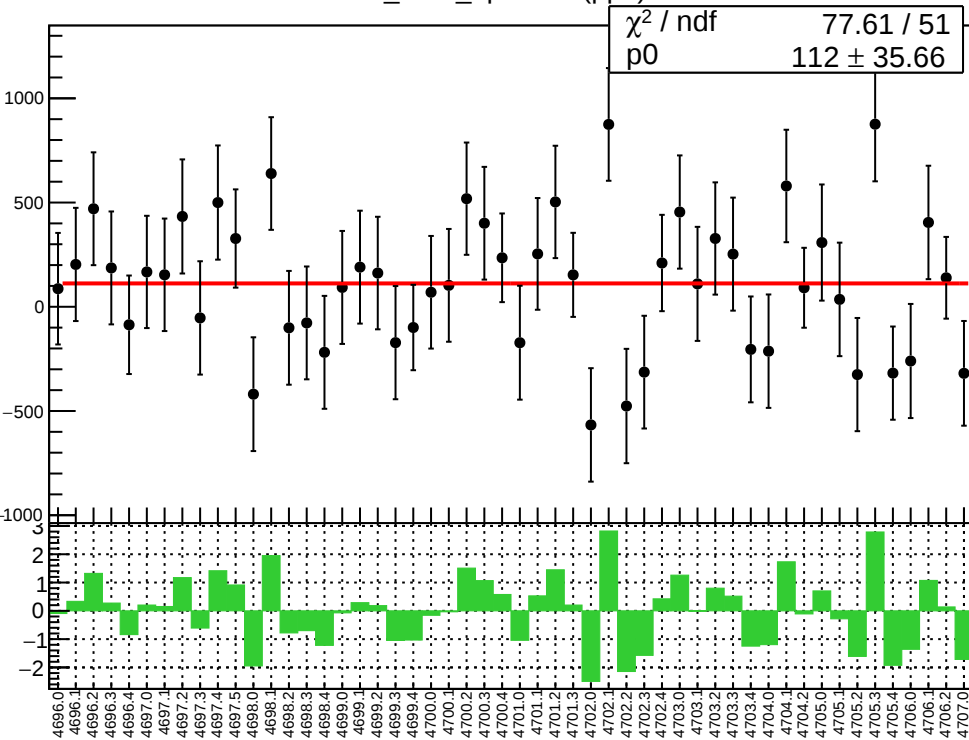
1D pull distribution



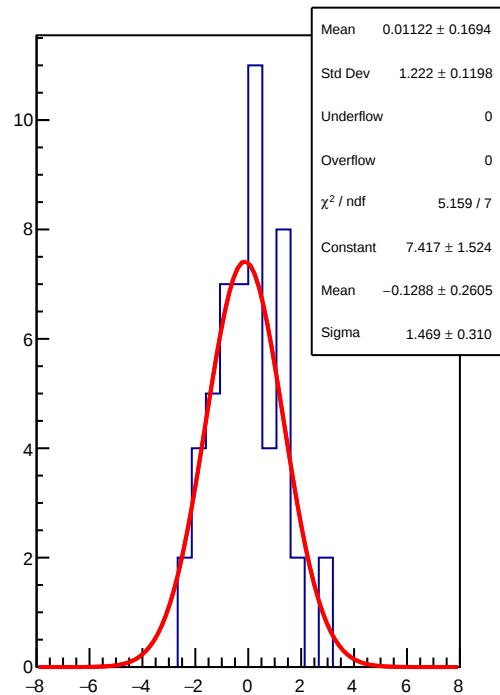
corr_Adet_bpm4aX RMS (ppm)



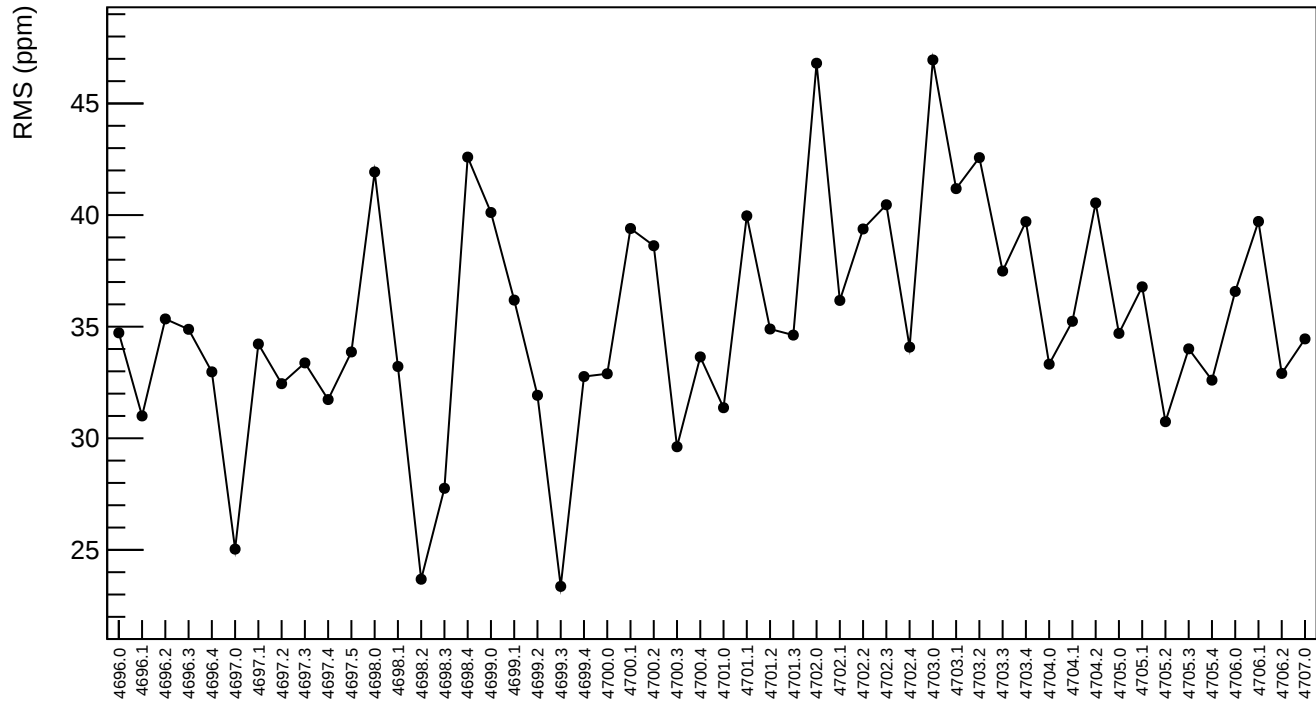
corr_Adet_bpm4aY (ppb)



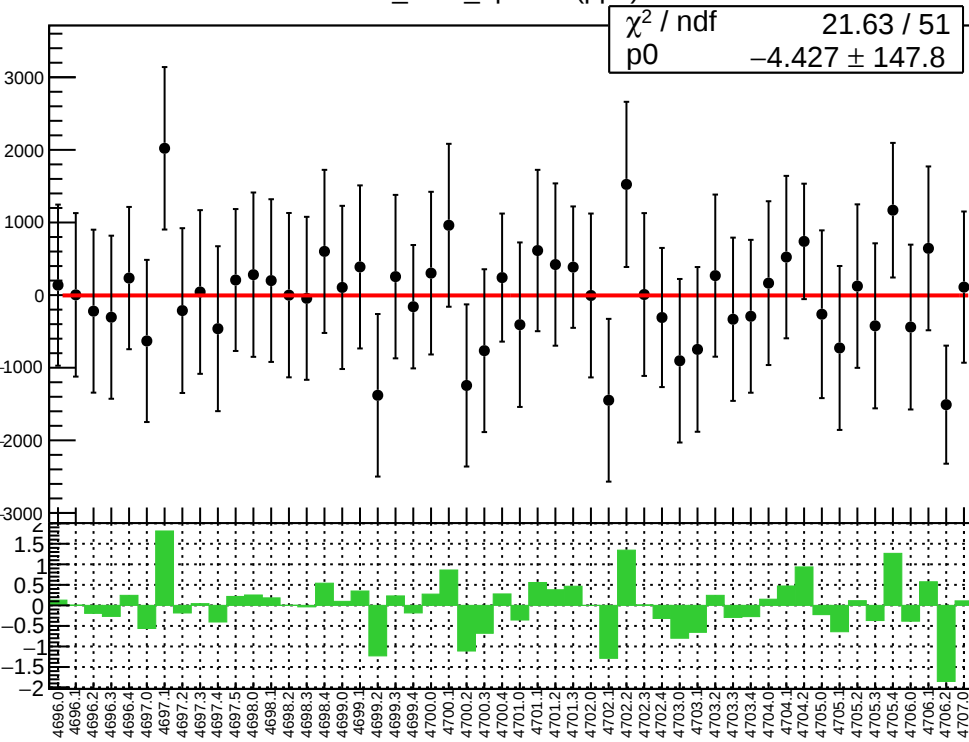
1D pull distribution



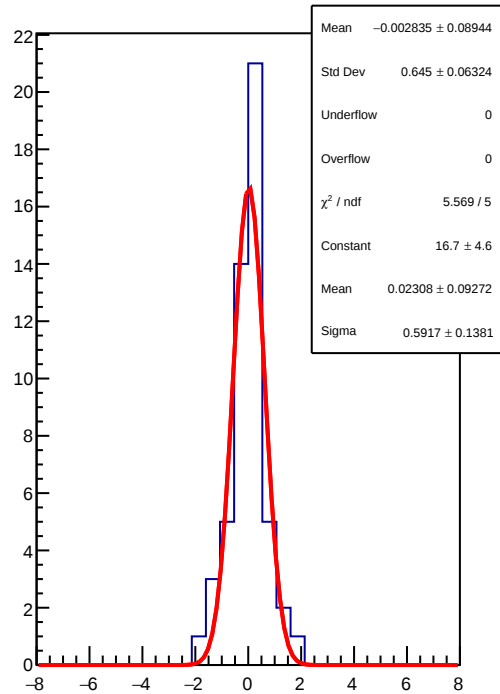
corr_Adet_bpm4aY RMS (ppm)



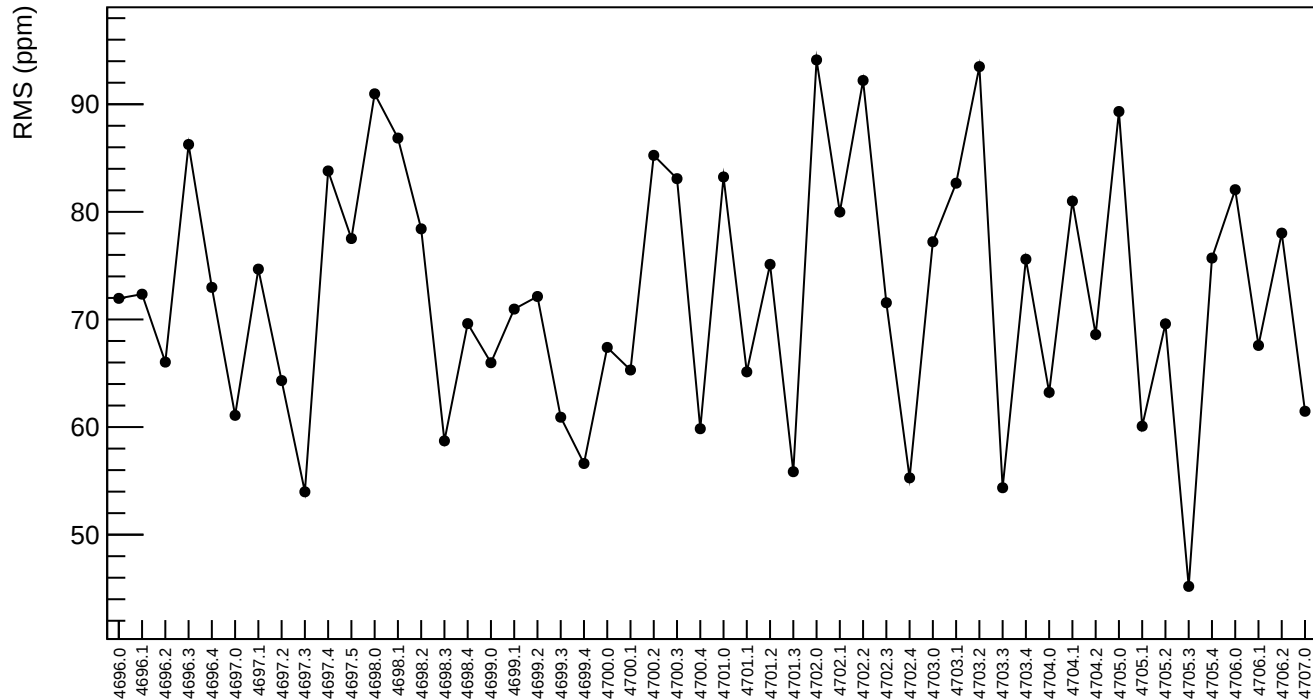
corr_Adet_bpm1X (ppb)



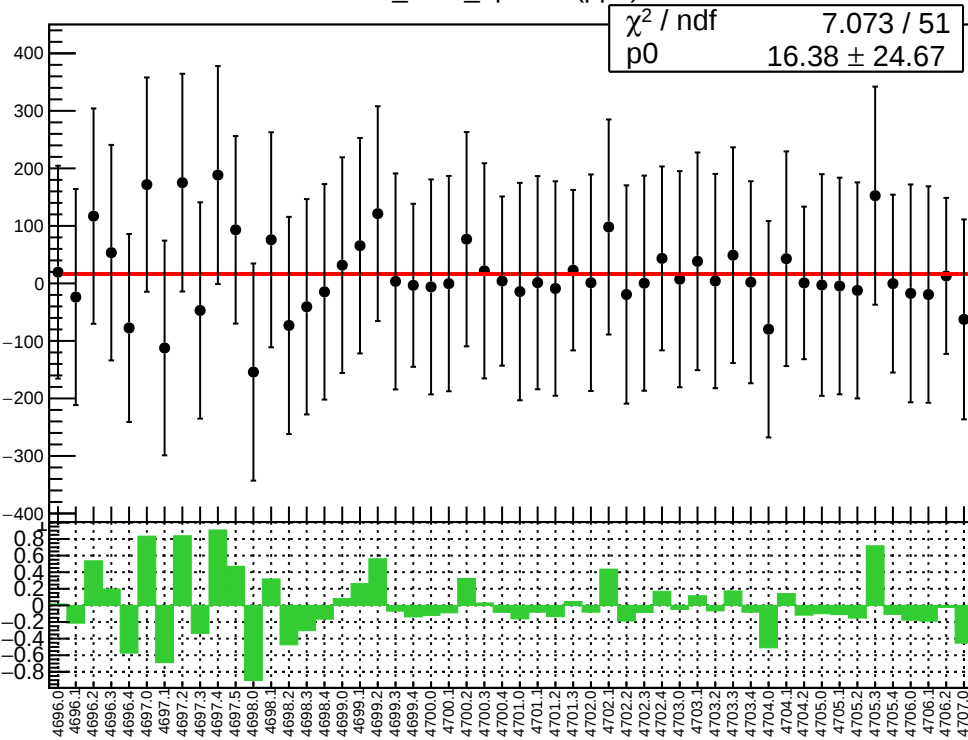
1D pull distribution



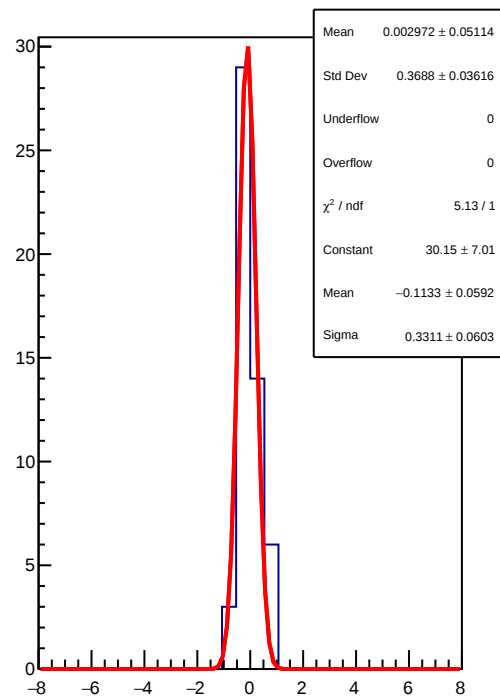
corr_Adet_bpm1X RMS (ppm)



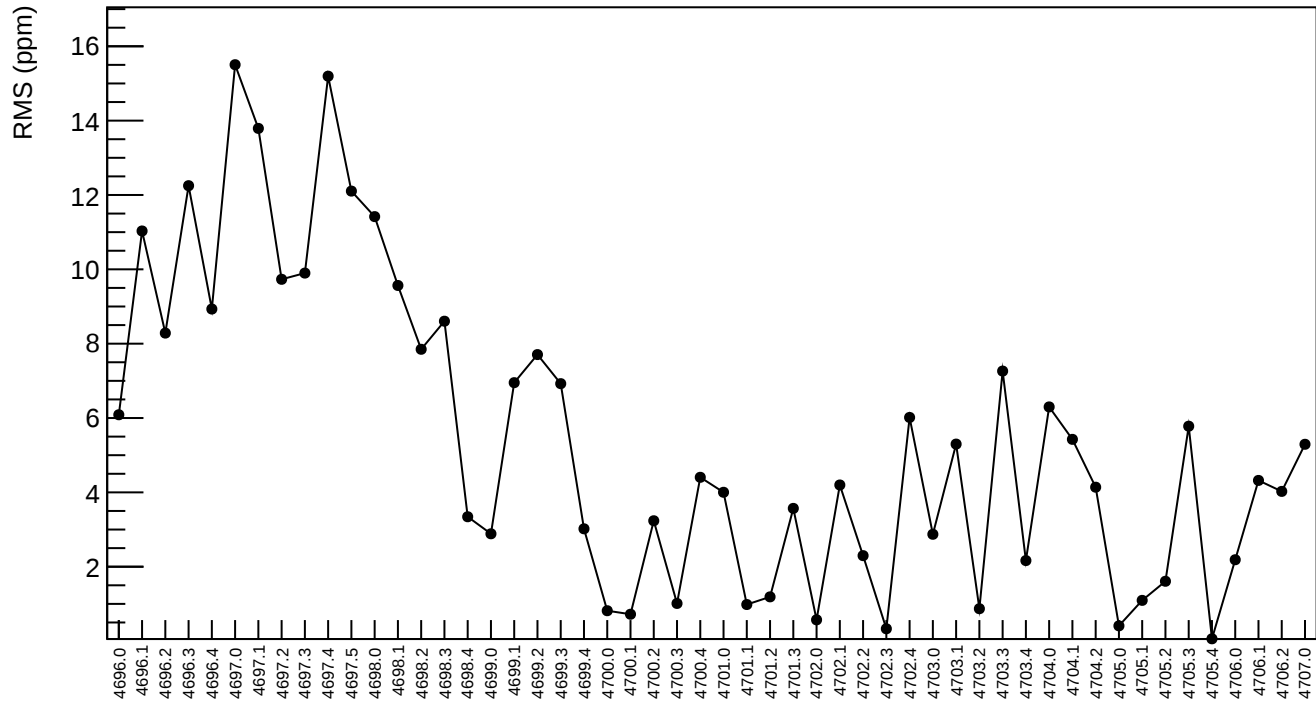
corr_Adet_bpm1Y (ppb)



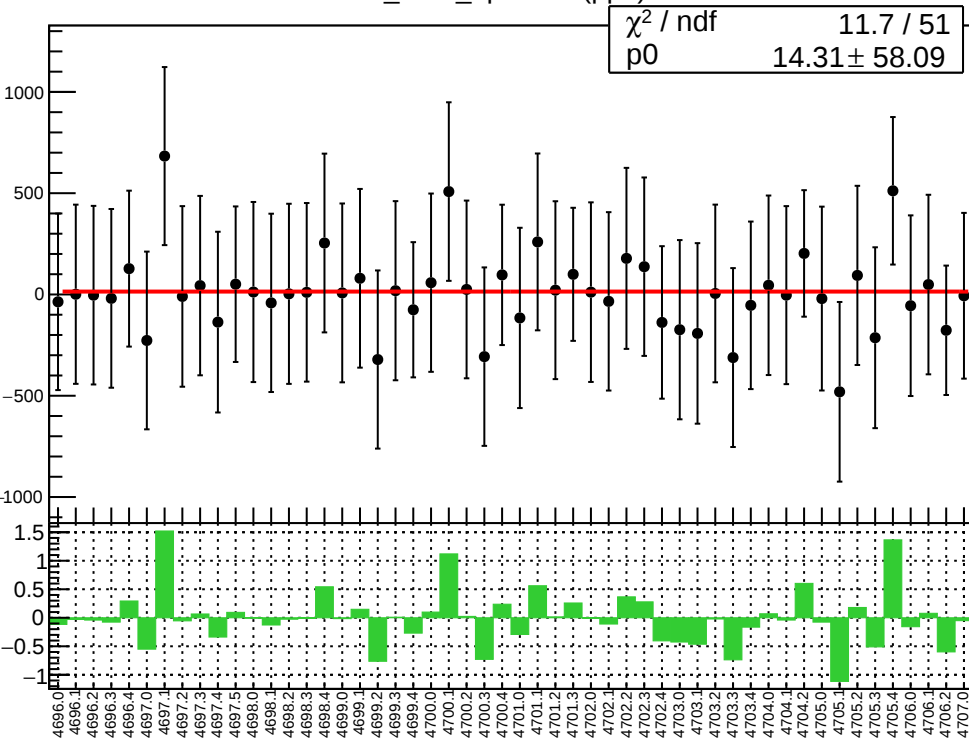
1D pull distribution



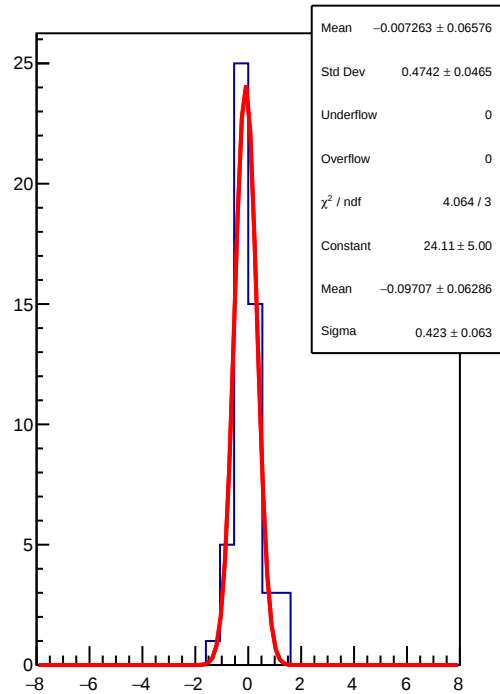
corr_Adet_bpm1Y RMS (ppm)



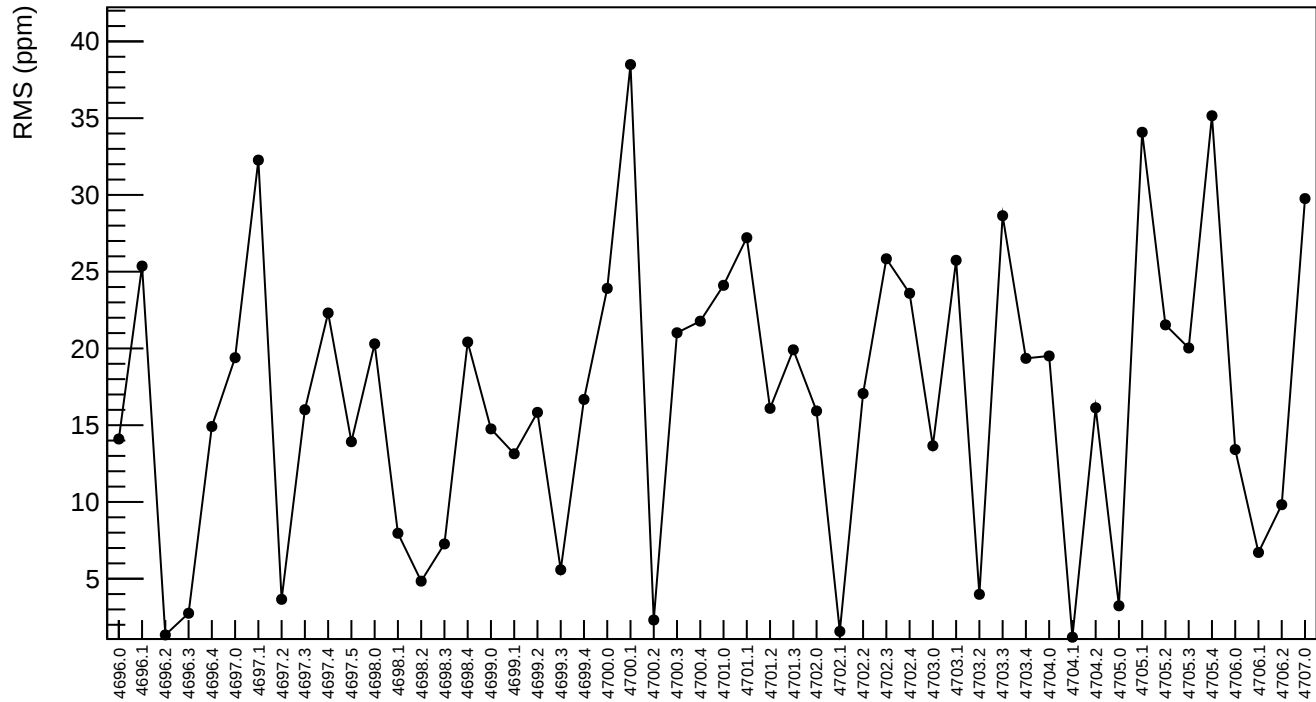
corr_Adet_bpm16X (ppb)



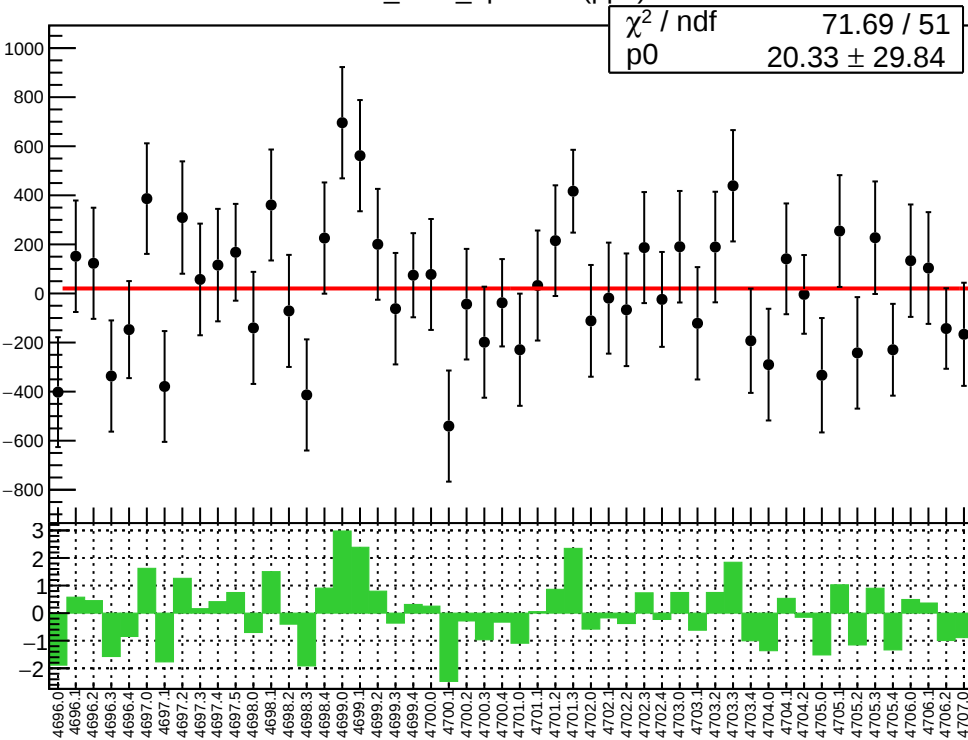
1D pull distribution



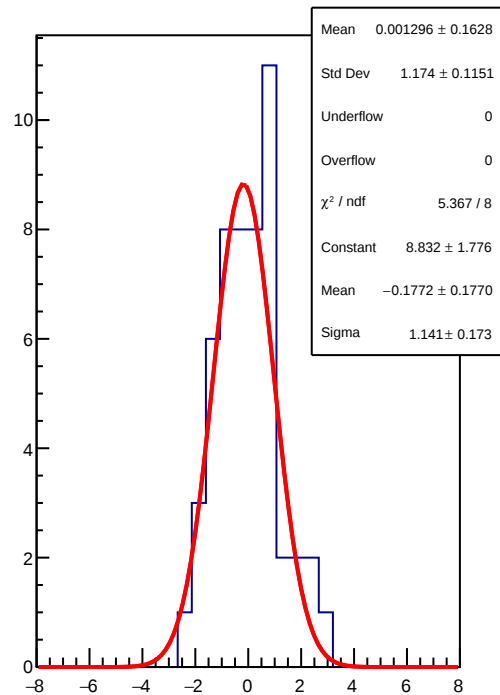
corr_Adet_bpm16X RMS (ppm)



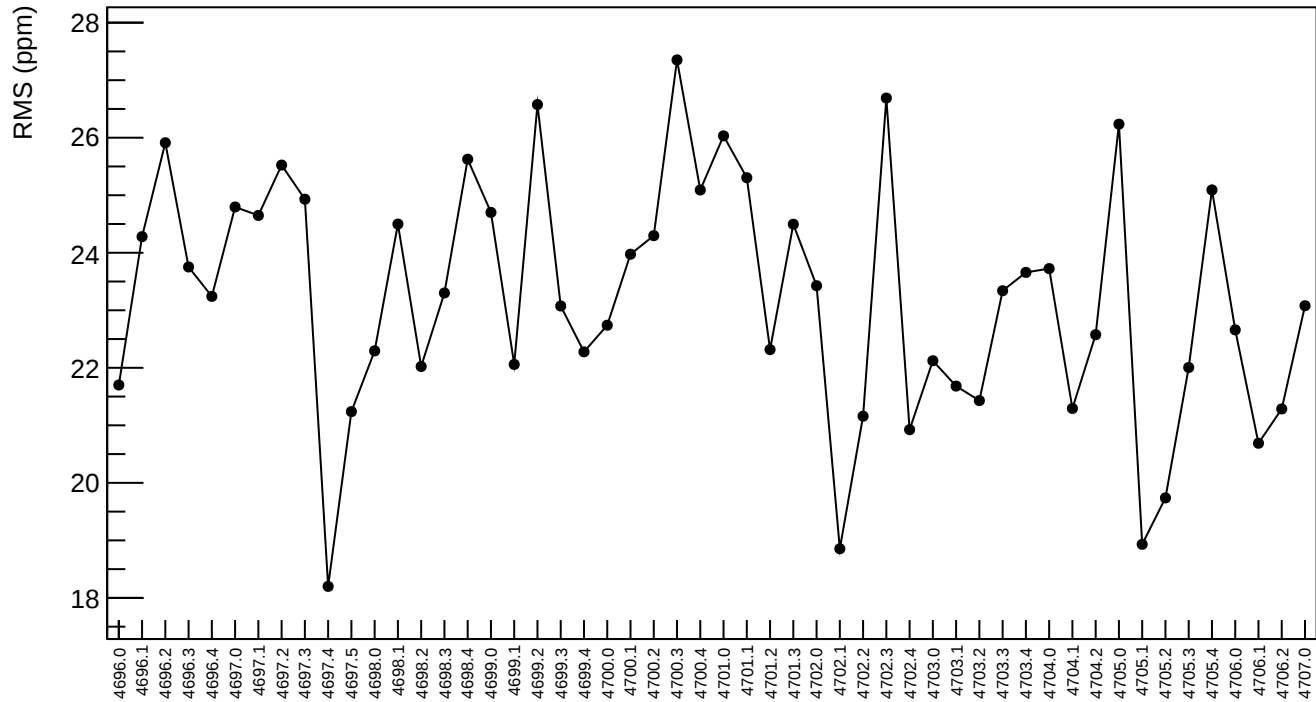
corr_Adet_bpm16Y (ppb)



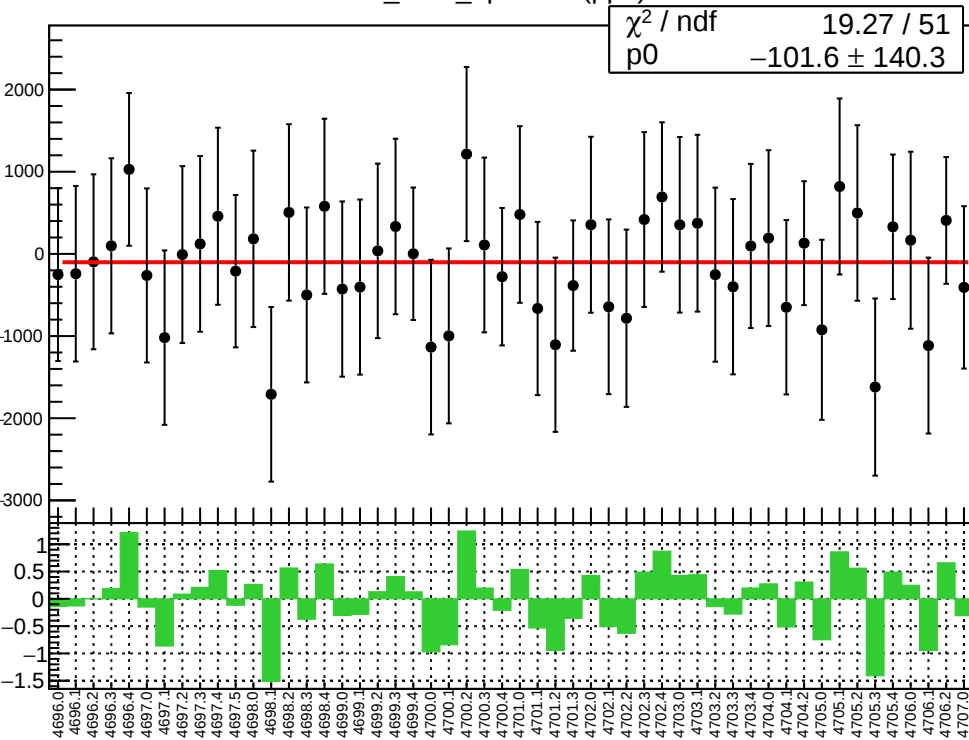
1D pull distribution



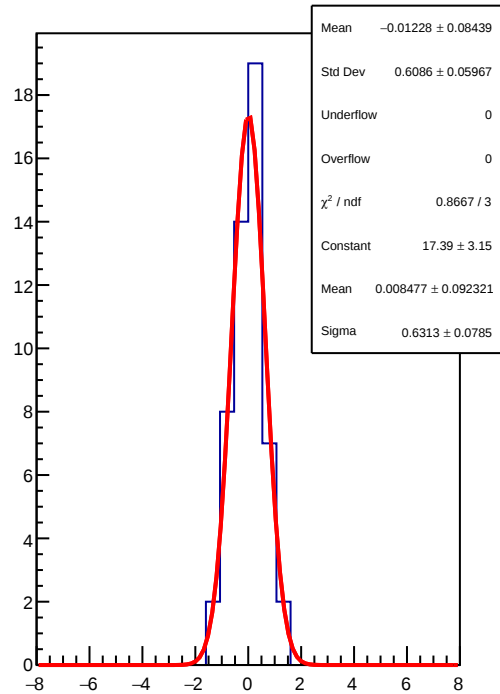
corr_Adet_bpm16Y RMS (ppm)



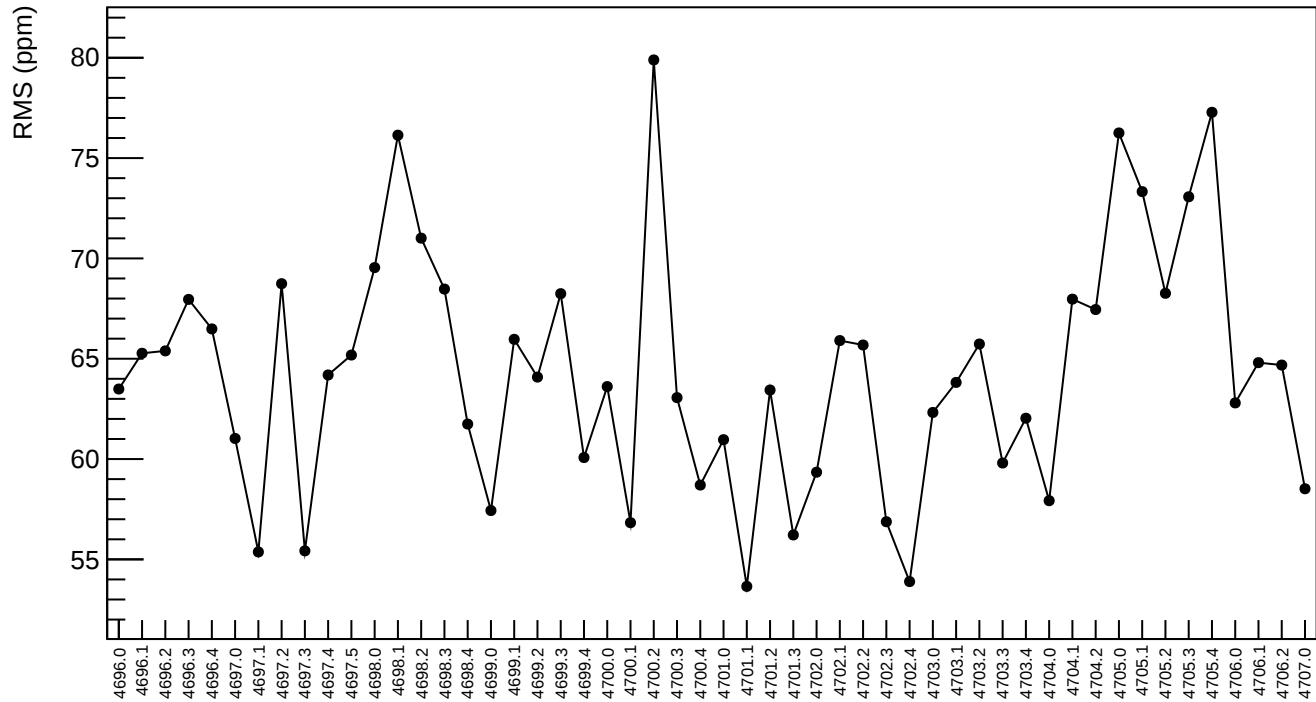
corr_Adet_bpm12X (ppb)



1D pull distribution



corr_Adet_bpm12X RMS (ppm)

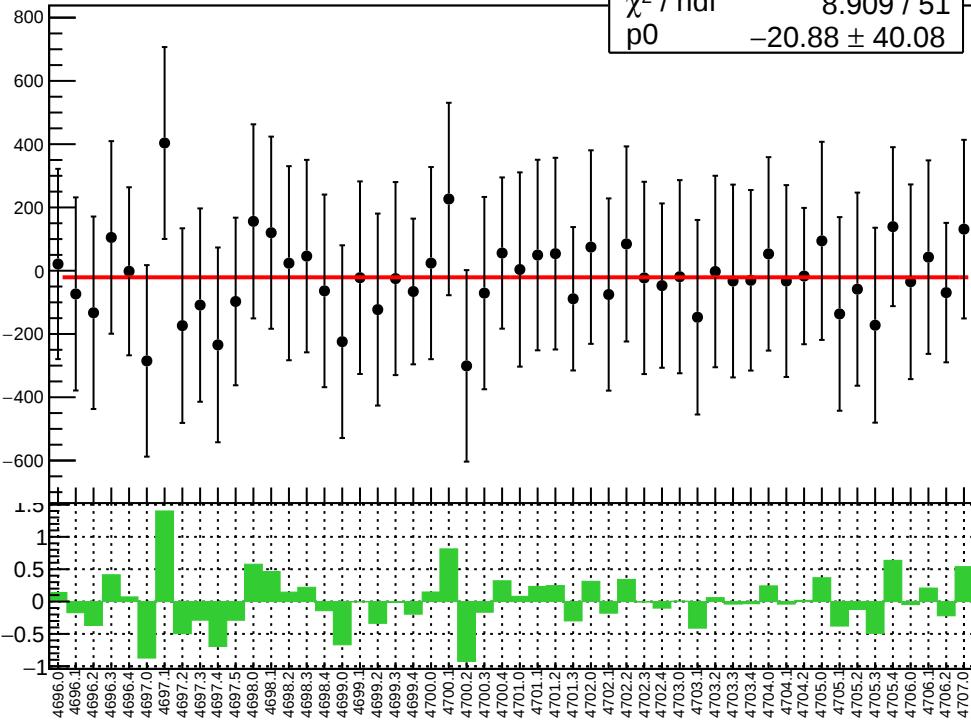


corr_Adet_bpm12Y (ppb)

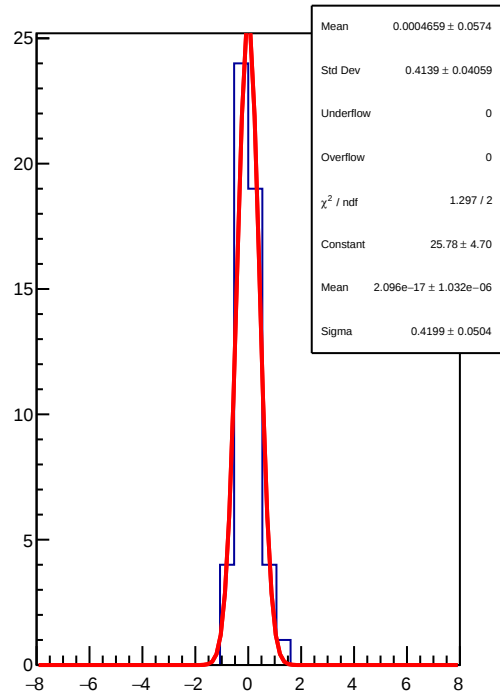
 χ^2 / nfd

8.909 / 51

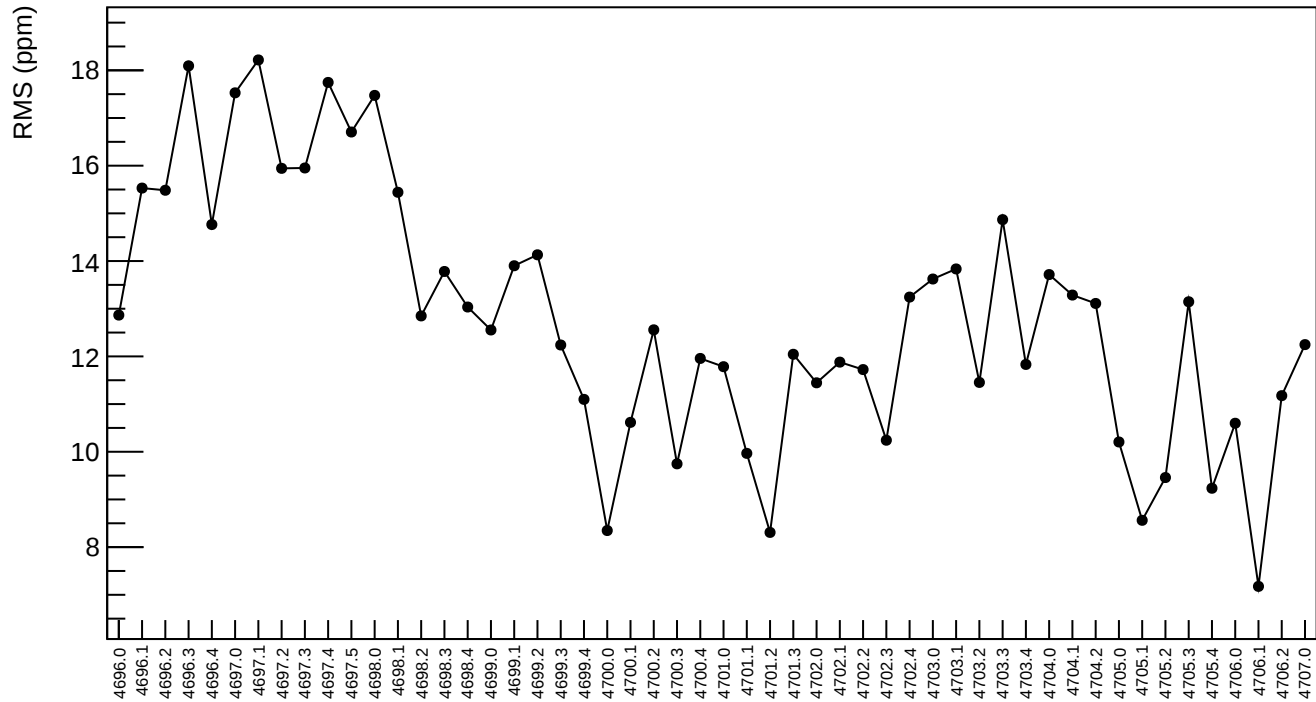
p0

 -20.88 ± 40.08 

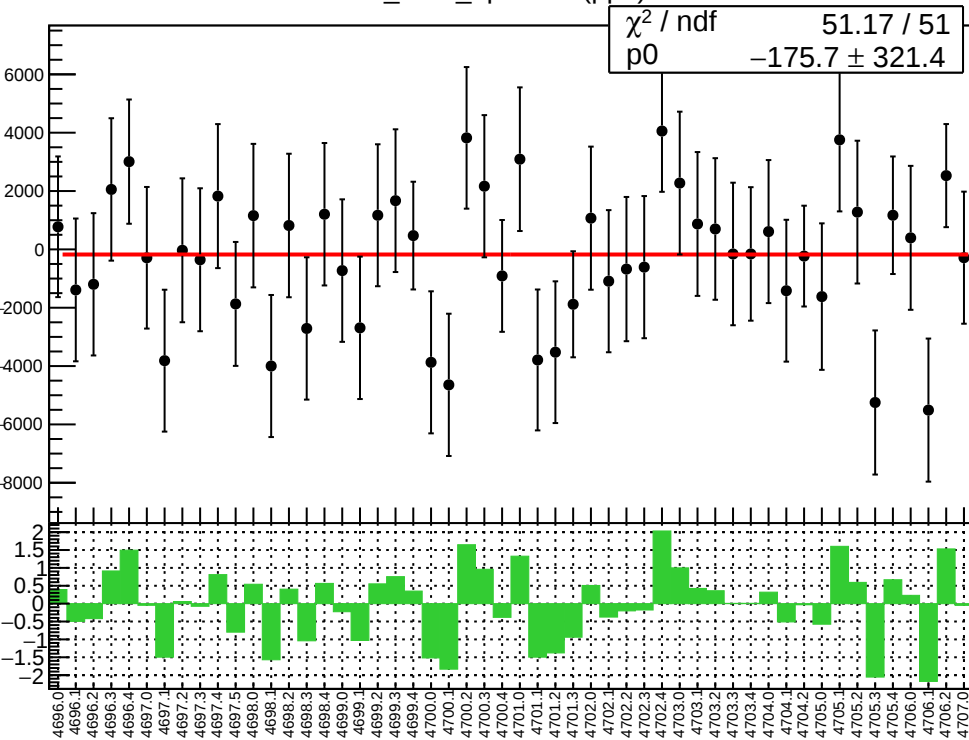
1D pull distribution



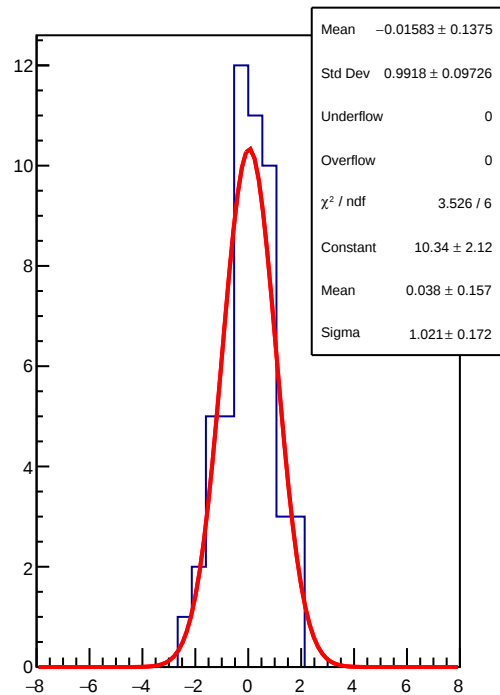
corr_Adet_bpm12Y RMS (ppm)



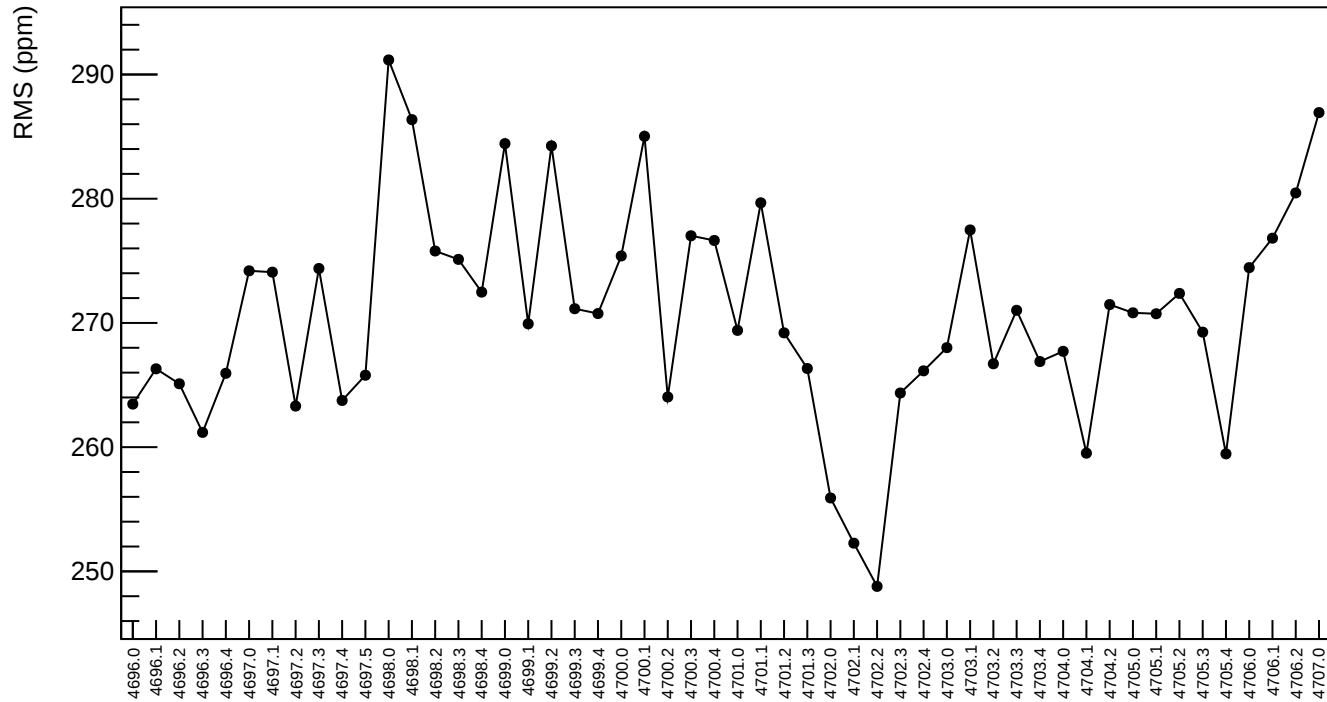
corr_Adet_bpm11X (ppb)



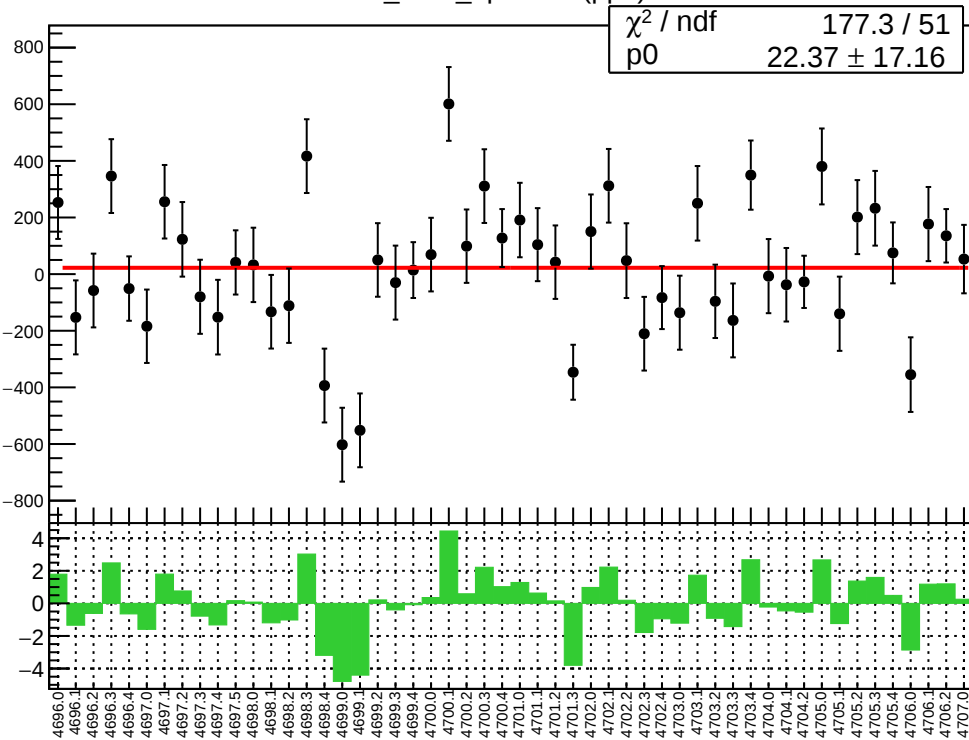
1D pull distribution



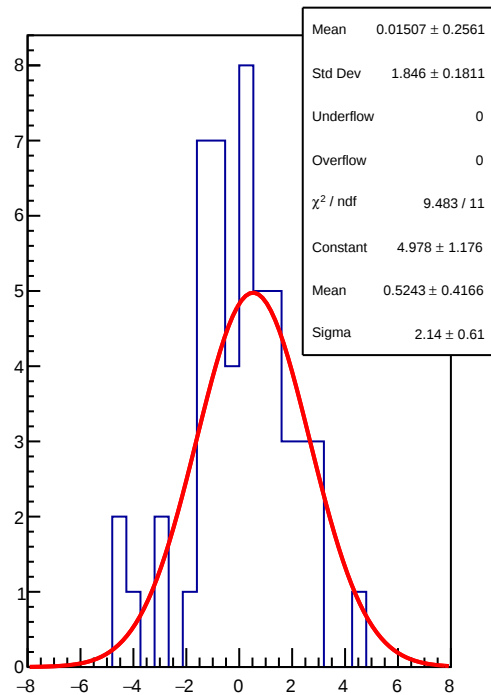
corr_Adet_bpm11X RMS (ppm)



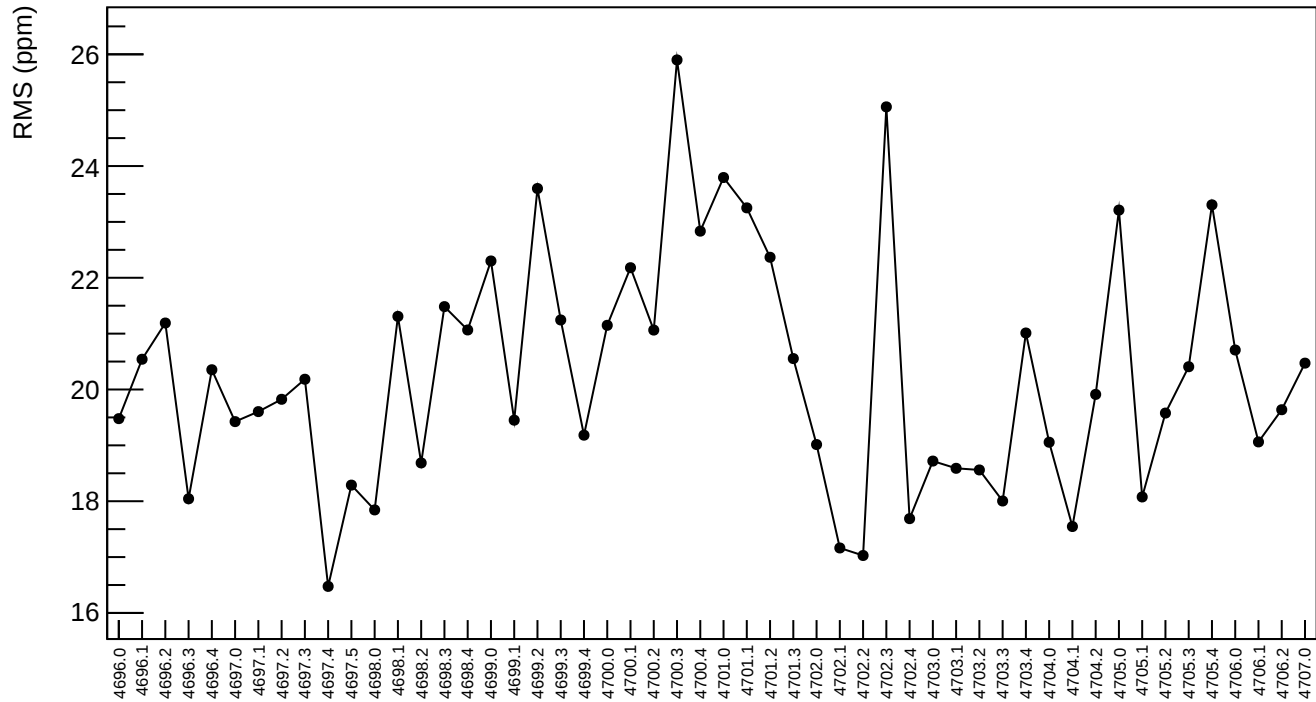
corr_Adet_bpm11Y (ppb)



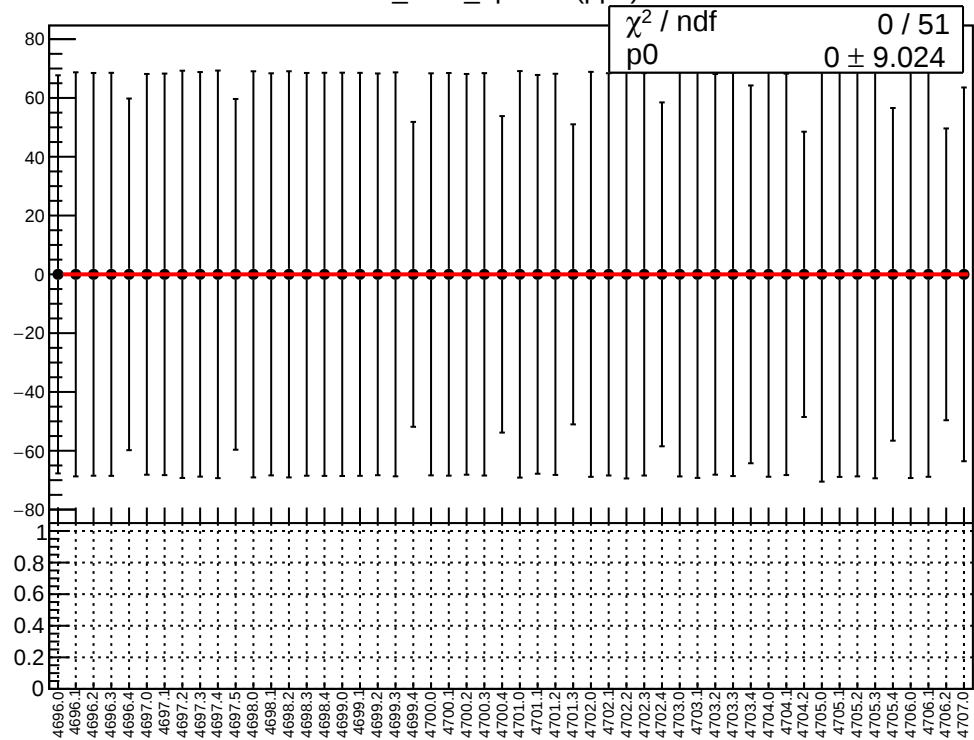
1D pull distribution



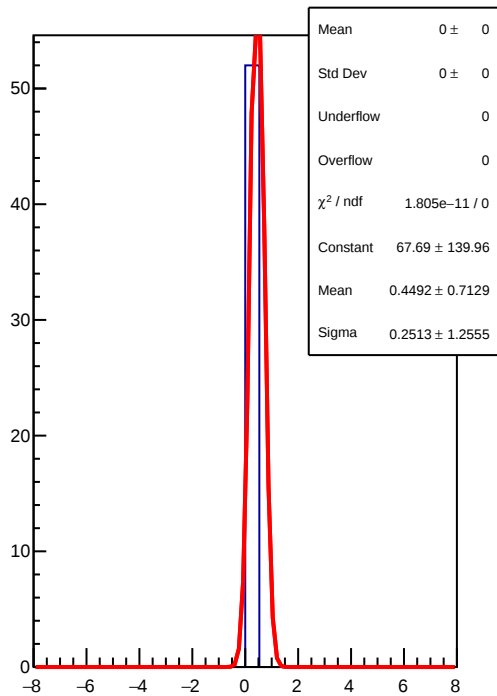
corr_Adet_bpm11Y RMS (ppm)



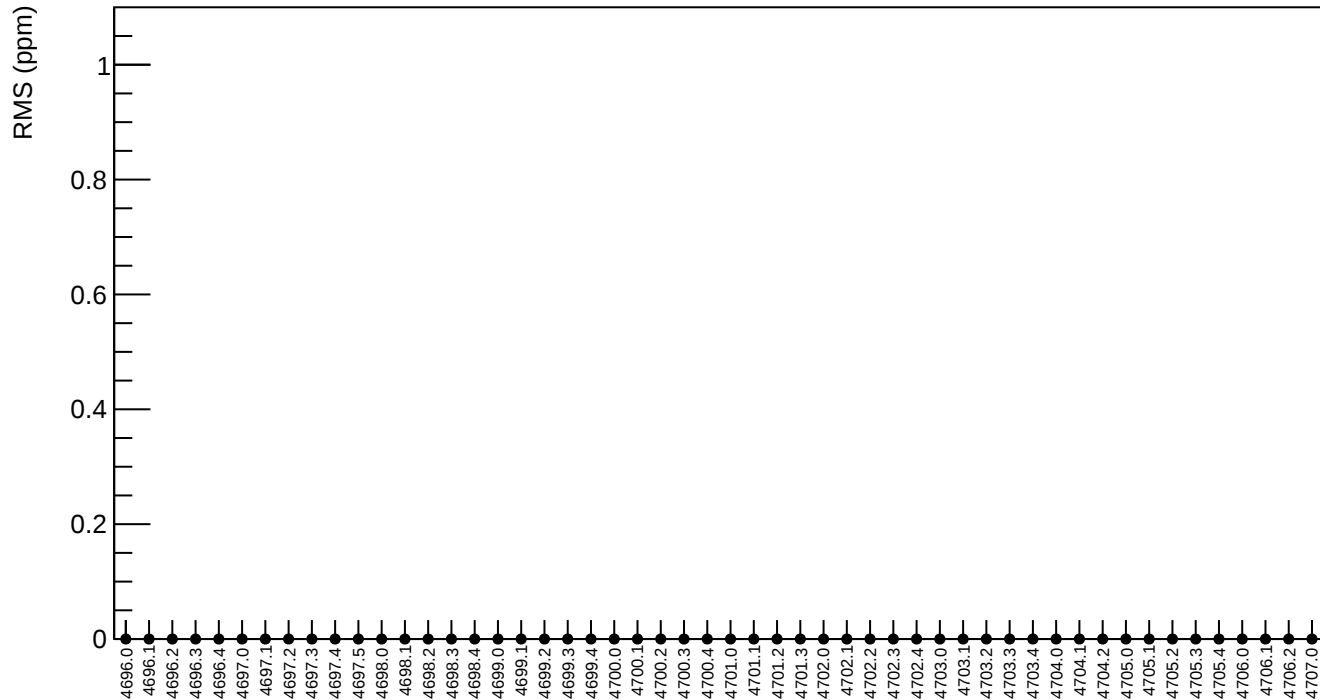
corr_Adet_bpm8X (ppb)



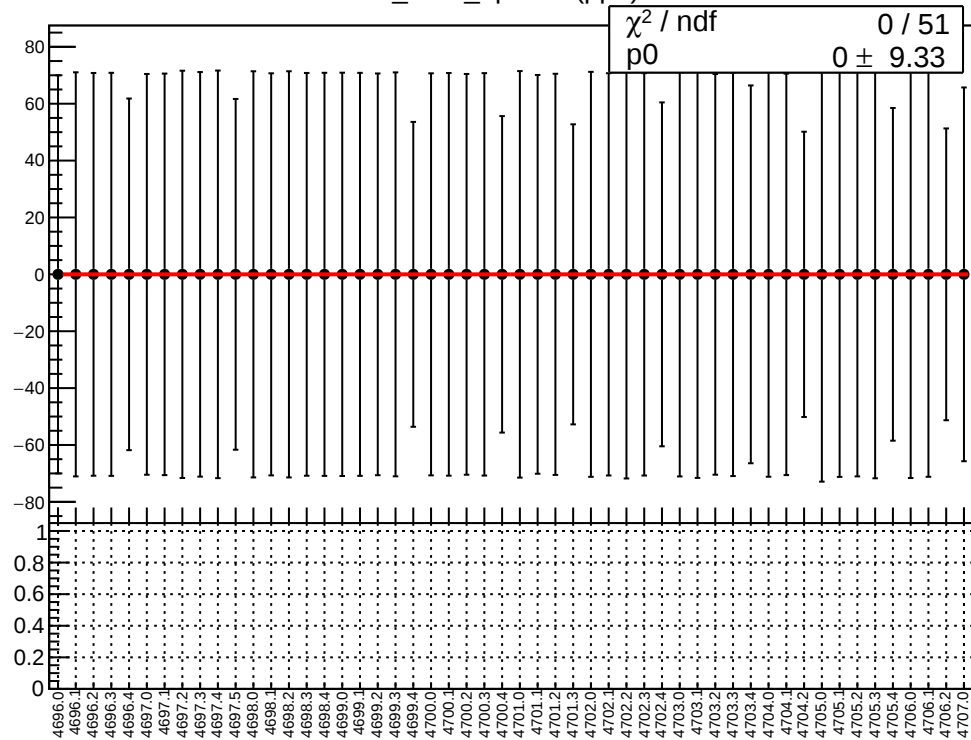
1D pull distribution



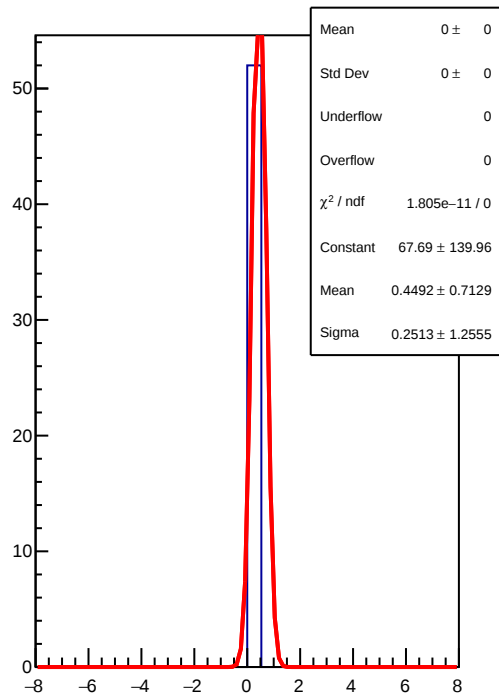
corr_Adet_bpm8X RMS (ppm)



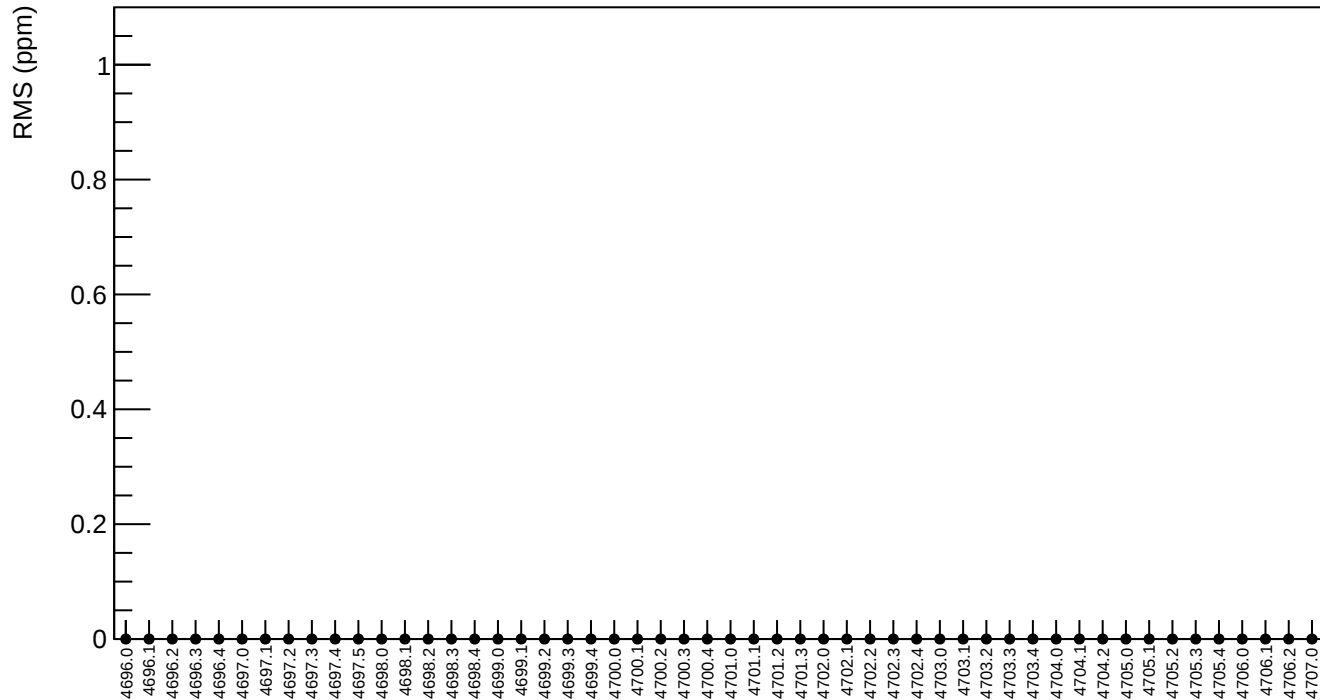
corr_Adet_bpm8Y (ppb)



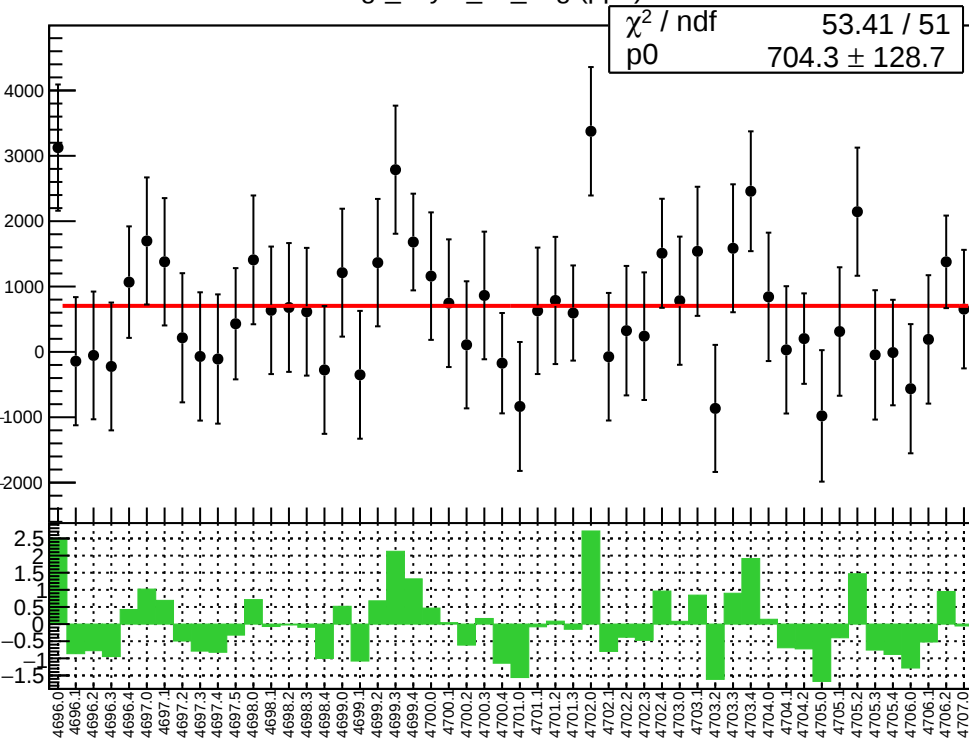
1D pull distribution



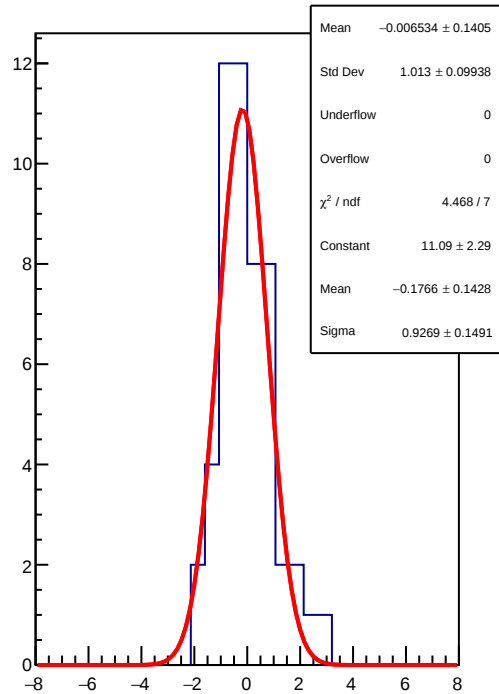
corr_Adet_bpm8Y RMS (ppm)



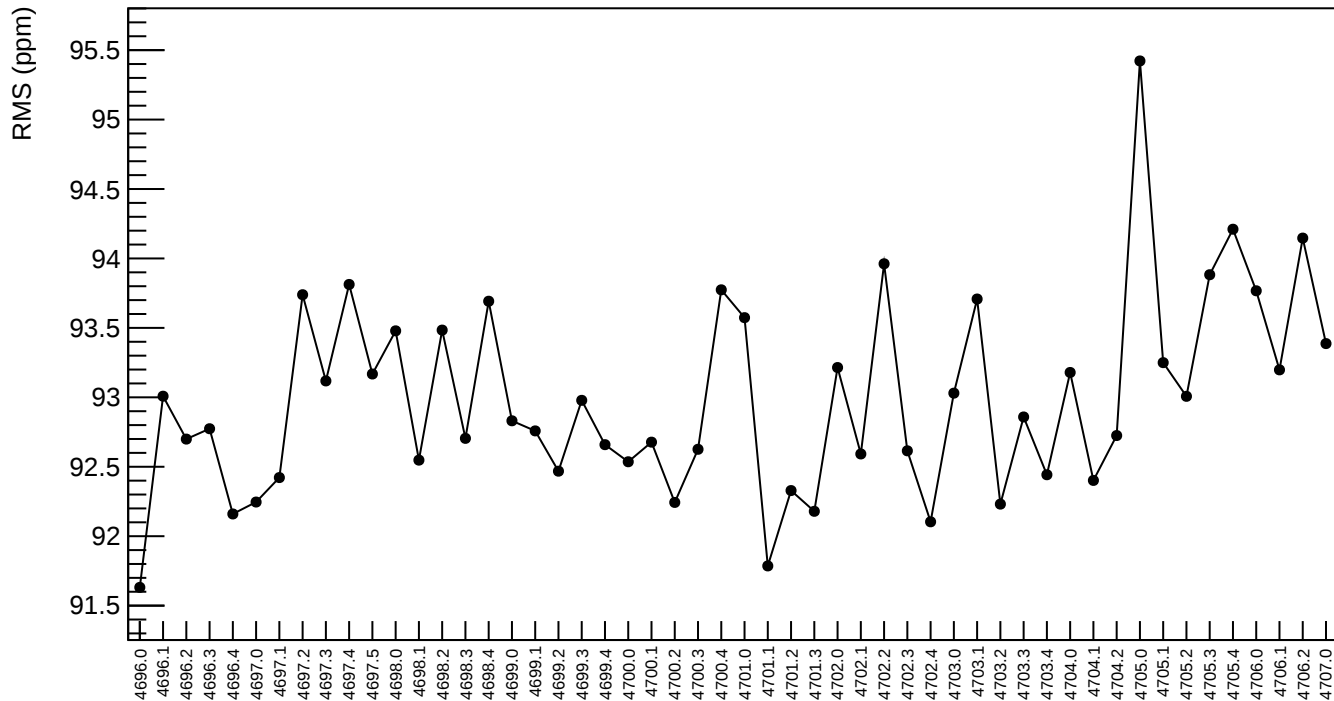
lagr_asym_us_avg (ppb)



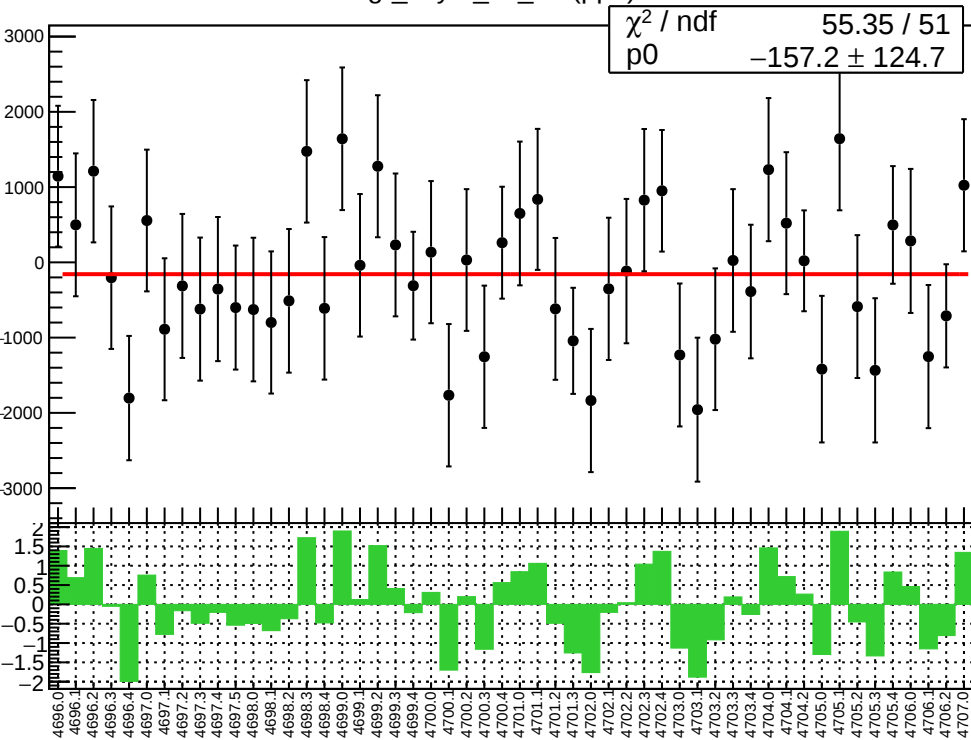
1D pull distribution



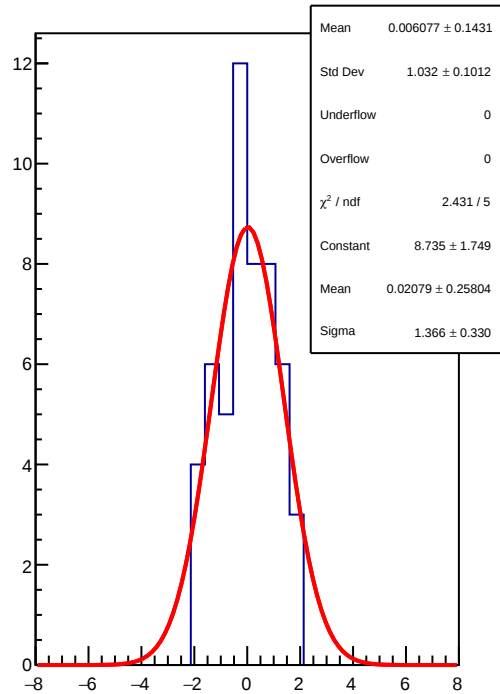
lagr_asym_us_avg RMS (ppm)



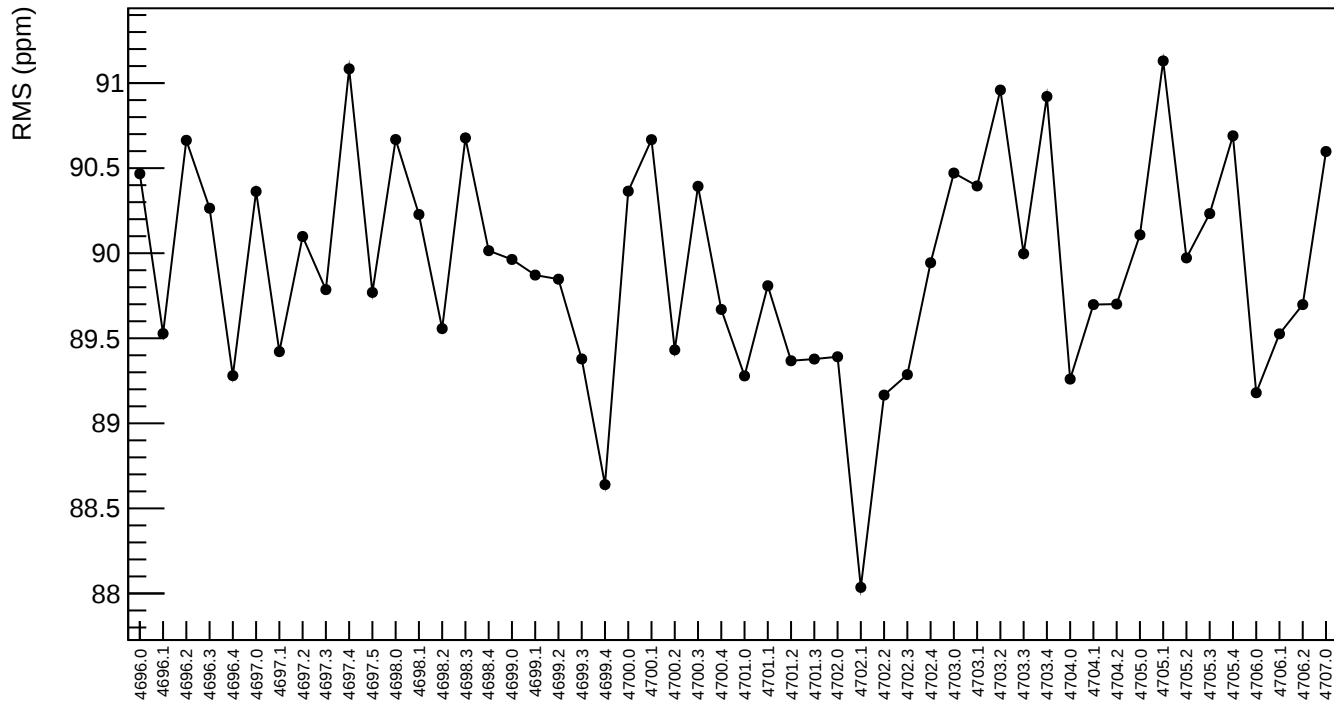
lagr_asym_us_dd (ppb)



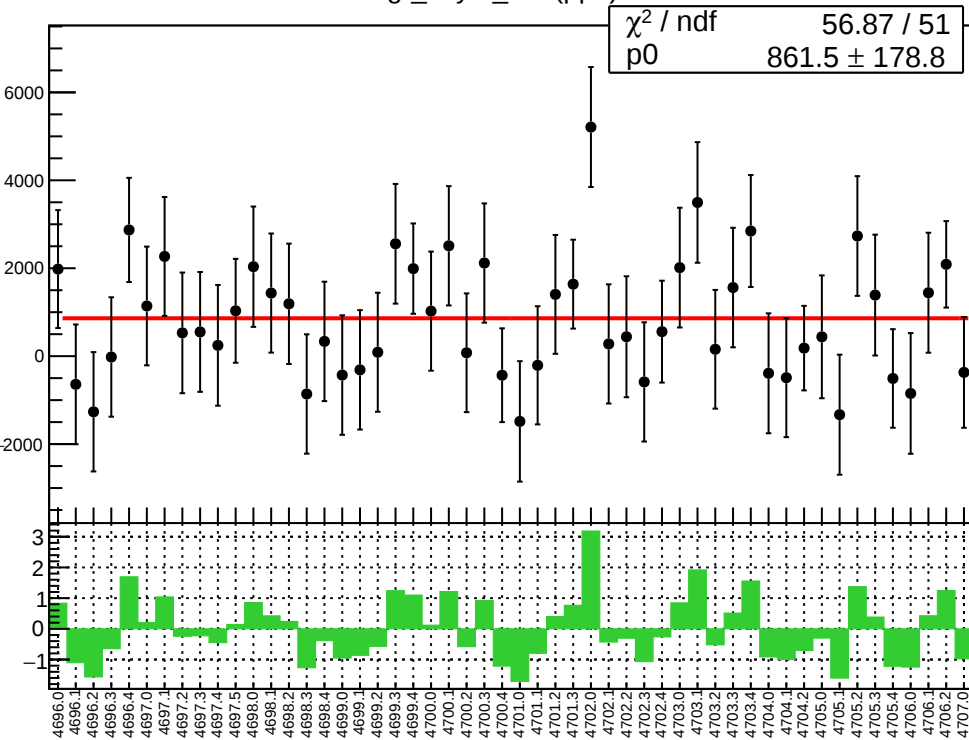
1D pull distribution



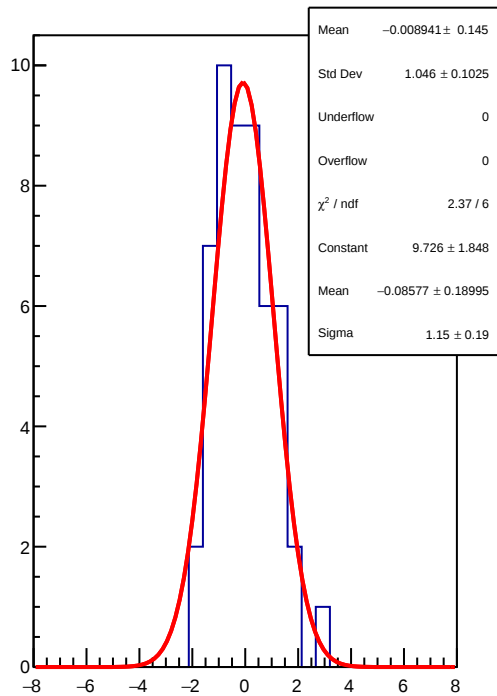
lagr_asym_us_dd RMS (ppm)



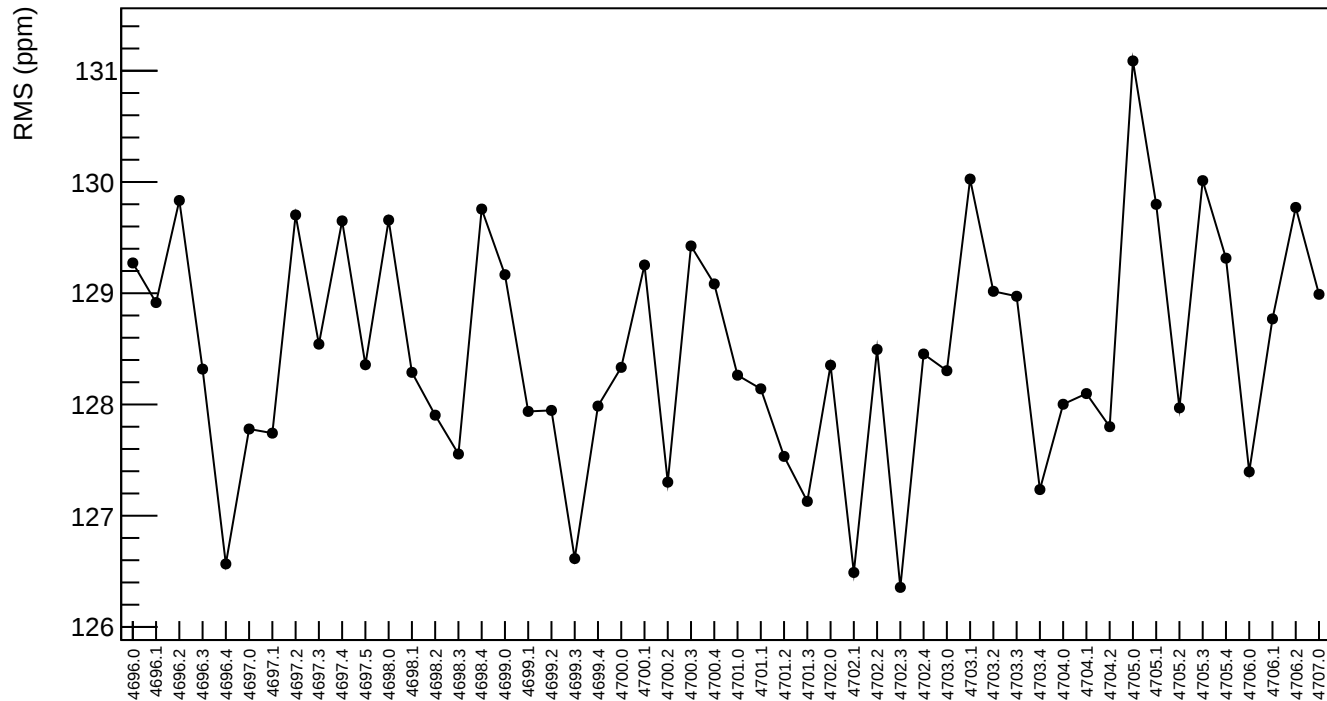
lagr_asym_usr (ppb)



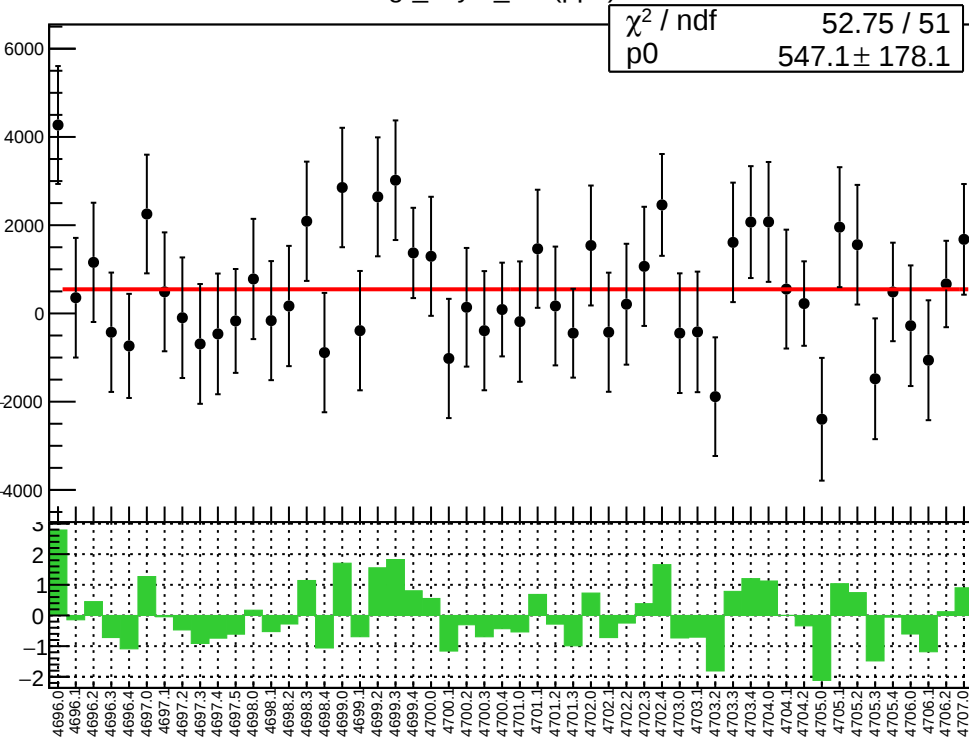
1D pull distribution



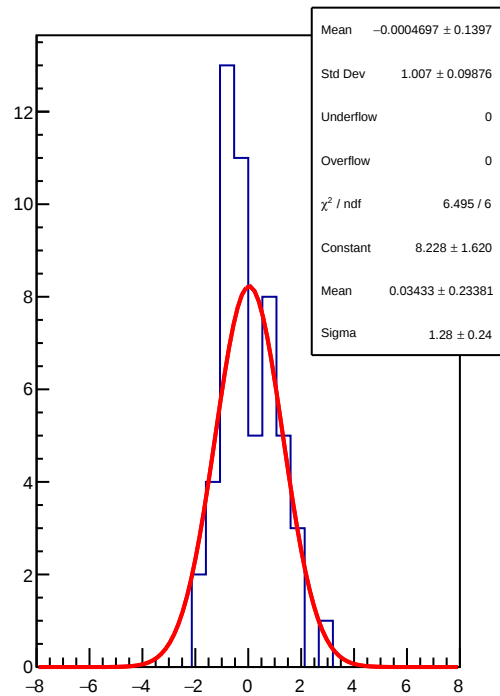
lagr_asym_usr RMS (ppm)



lagr_asym_usl (ppb)

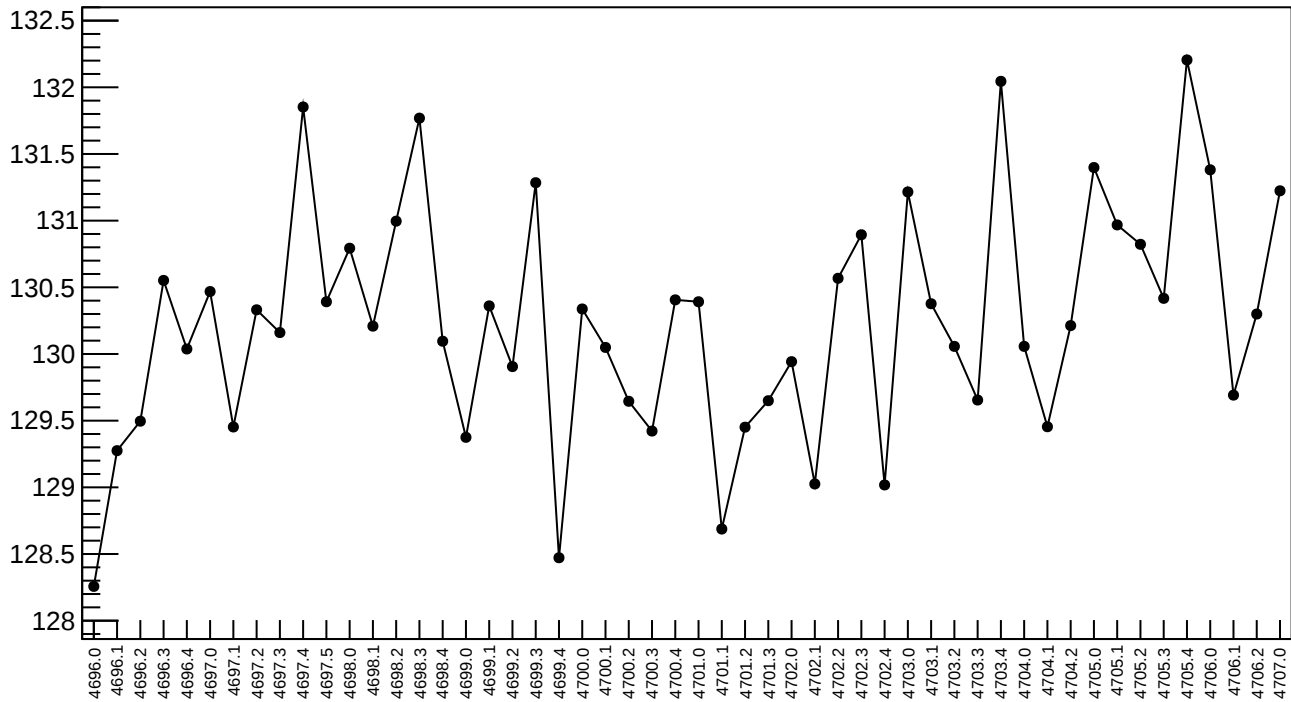


1D pull distribution

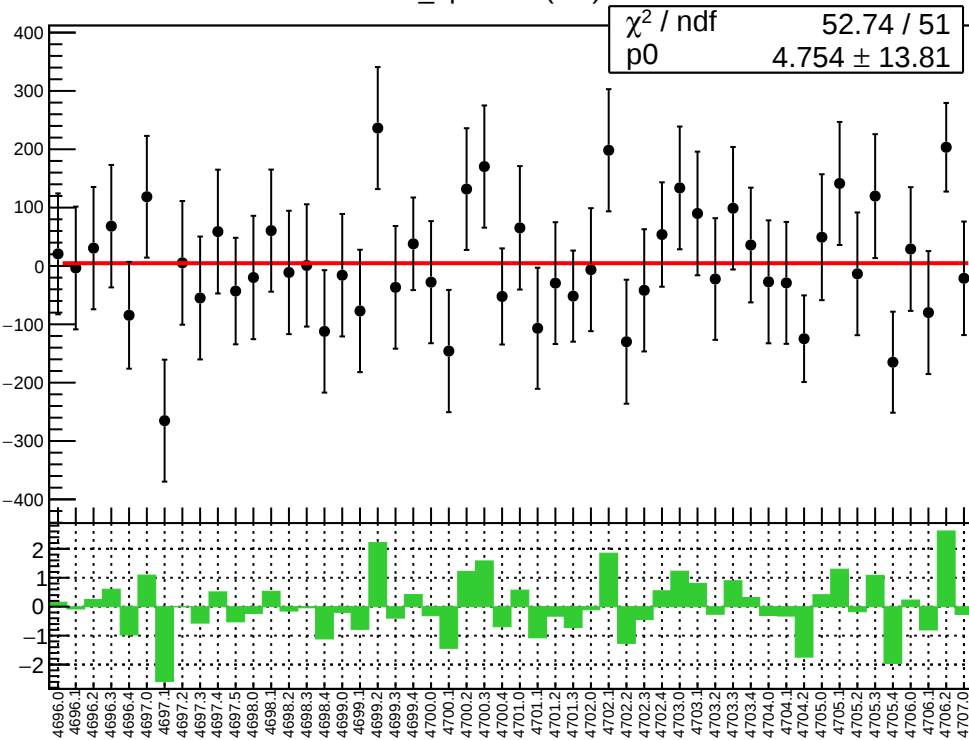


lagr_asym_usl RMS (ppm)

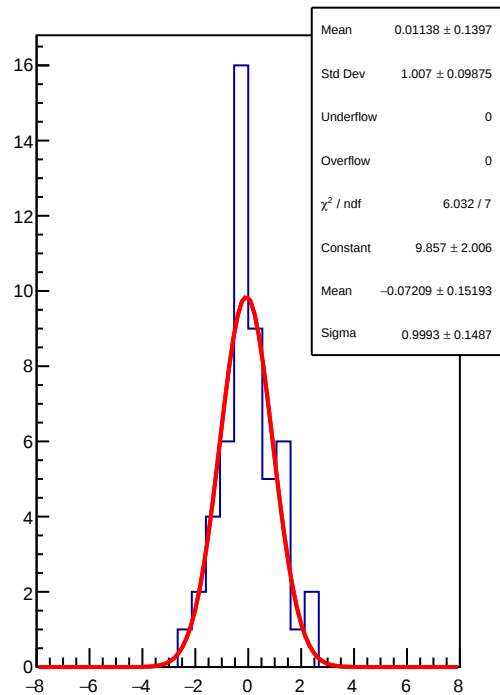
RMS (ppm)



diff_bpm4eX (nm)

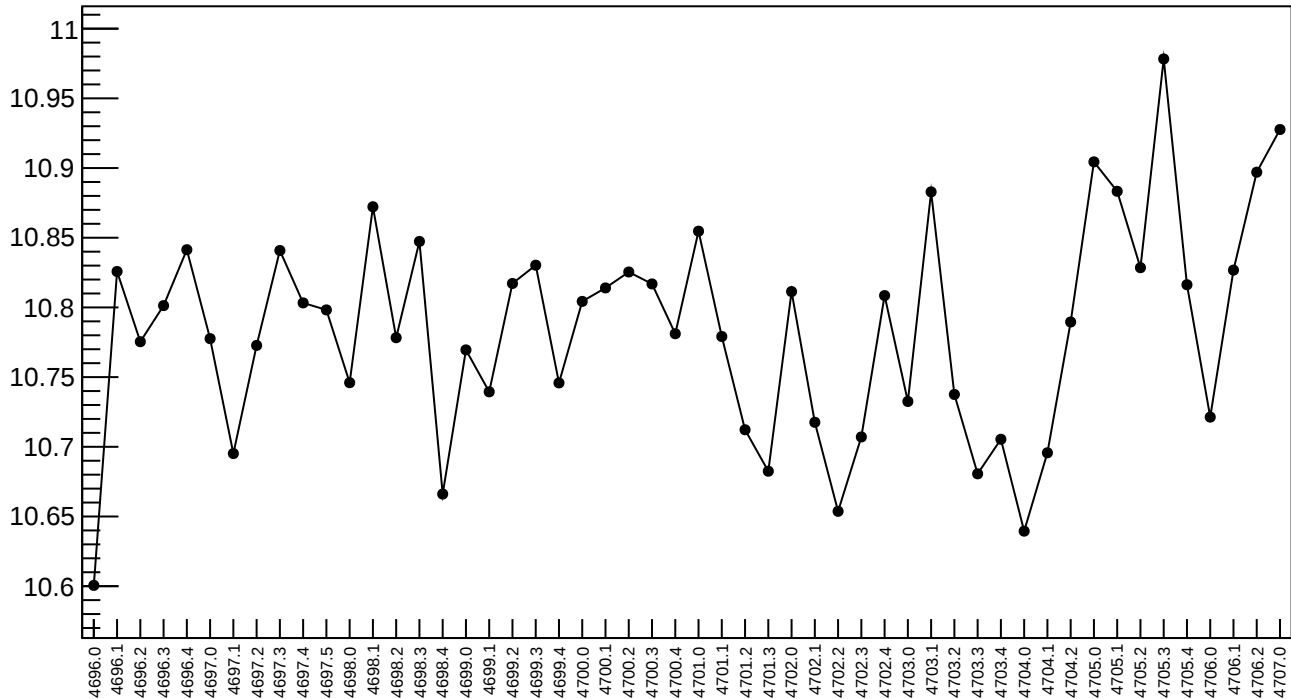


1D pull distribution

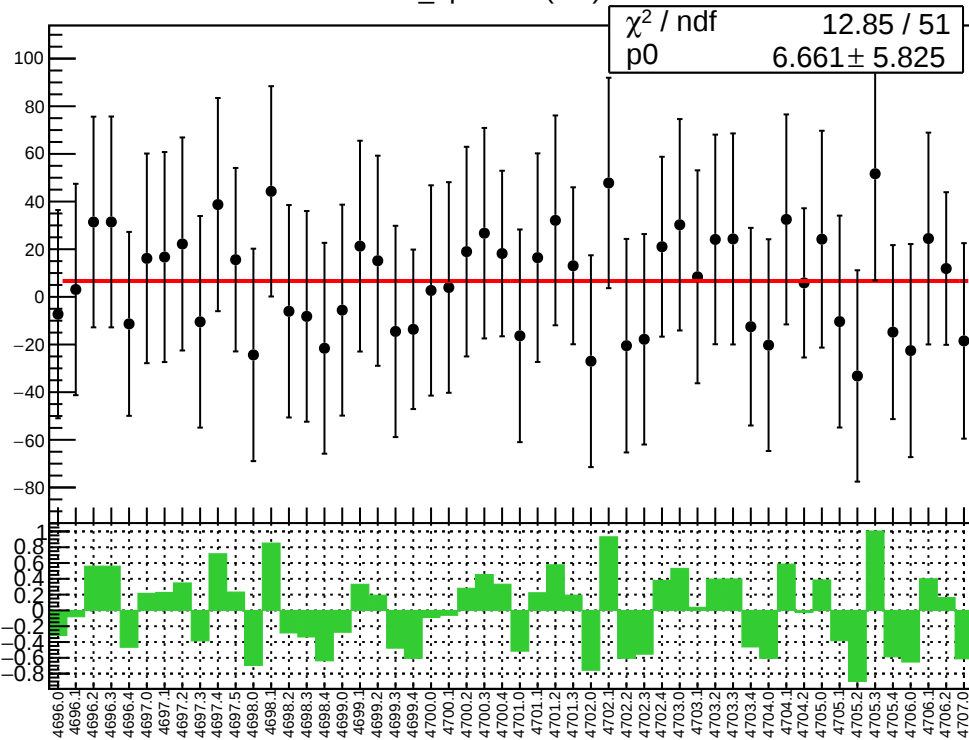


diff_bpm4eX RMS (um)

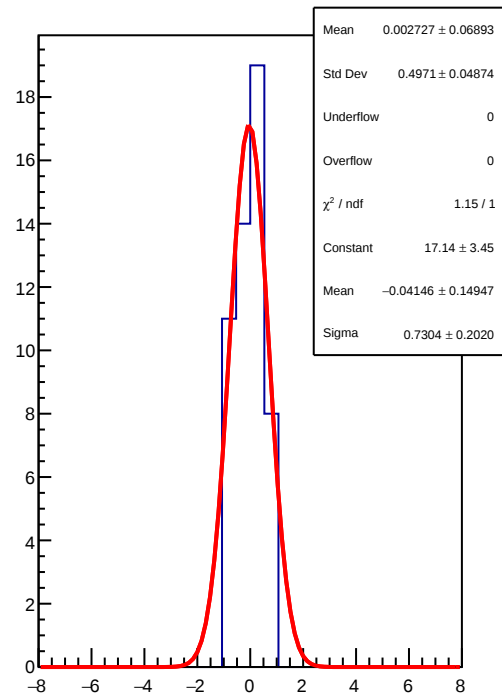
RMS (um)



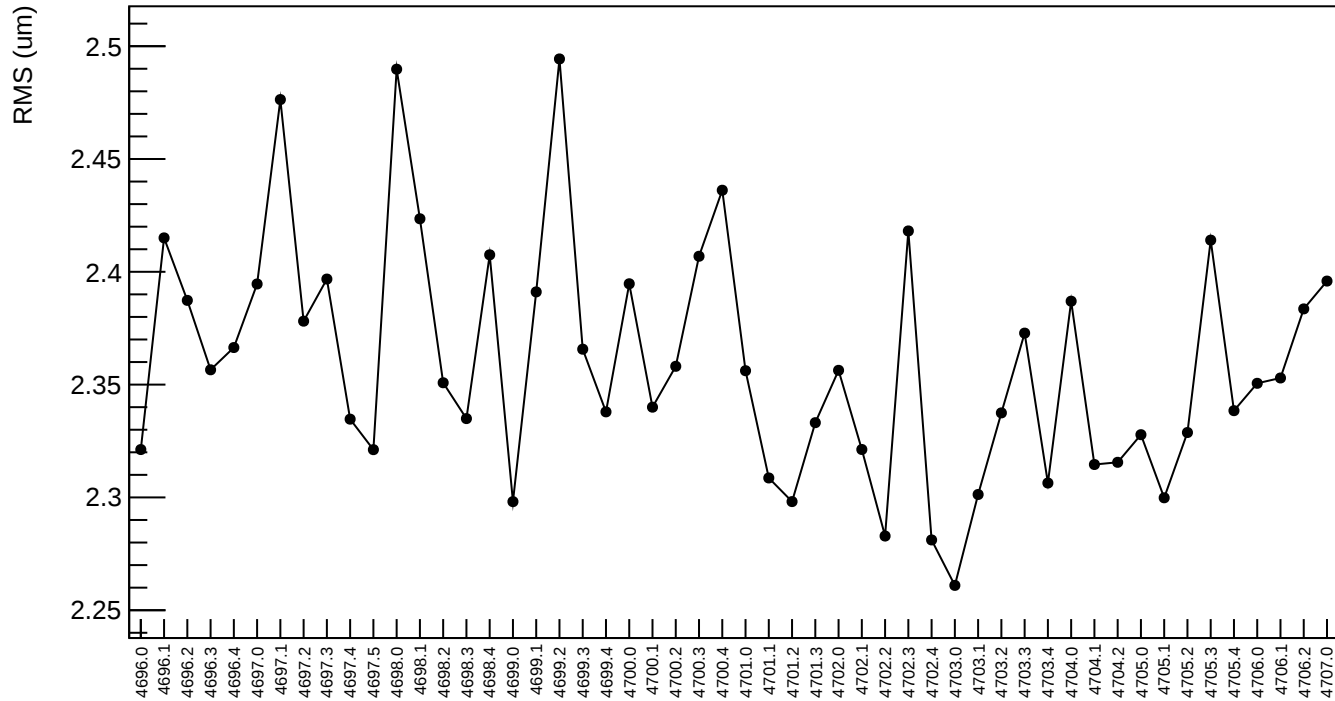
diff_bpm4eY (nm)



1D pull distribution



diff_bpm4eY RMS (um)

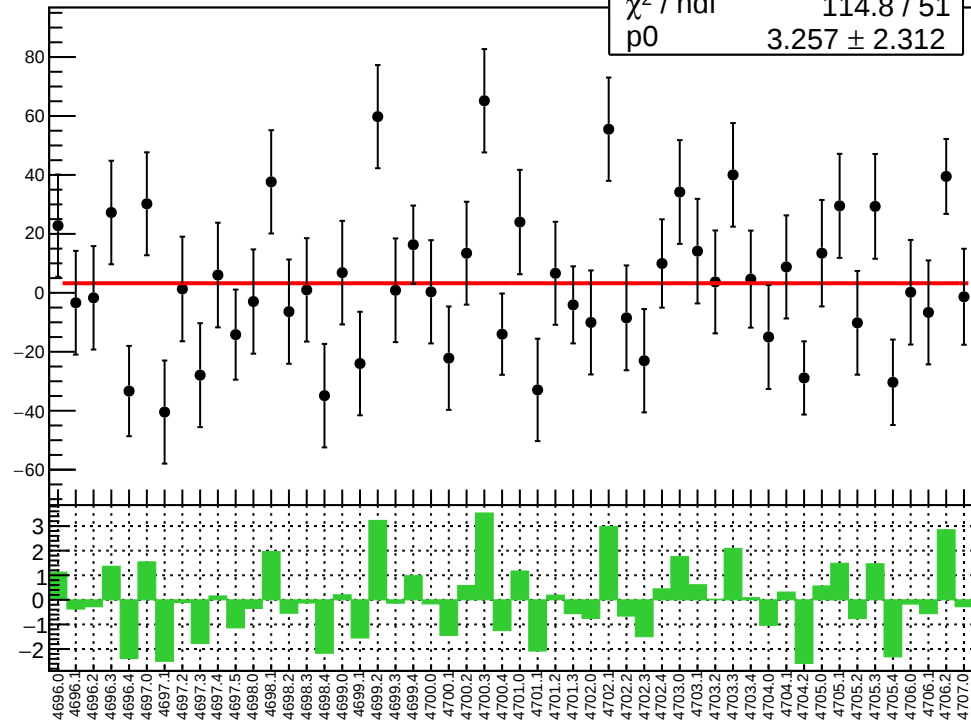


diff_bpm4aX (nm)

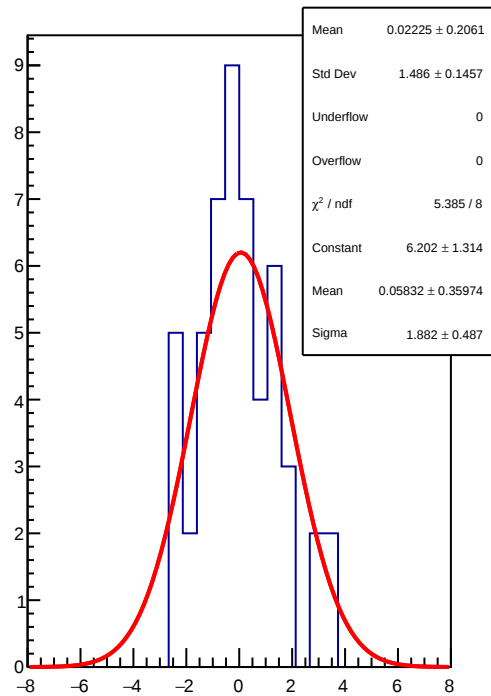
 χ^2 / ndf

114.8 / 51

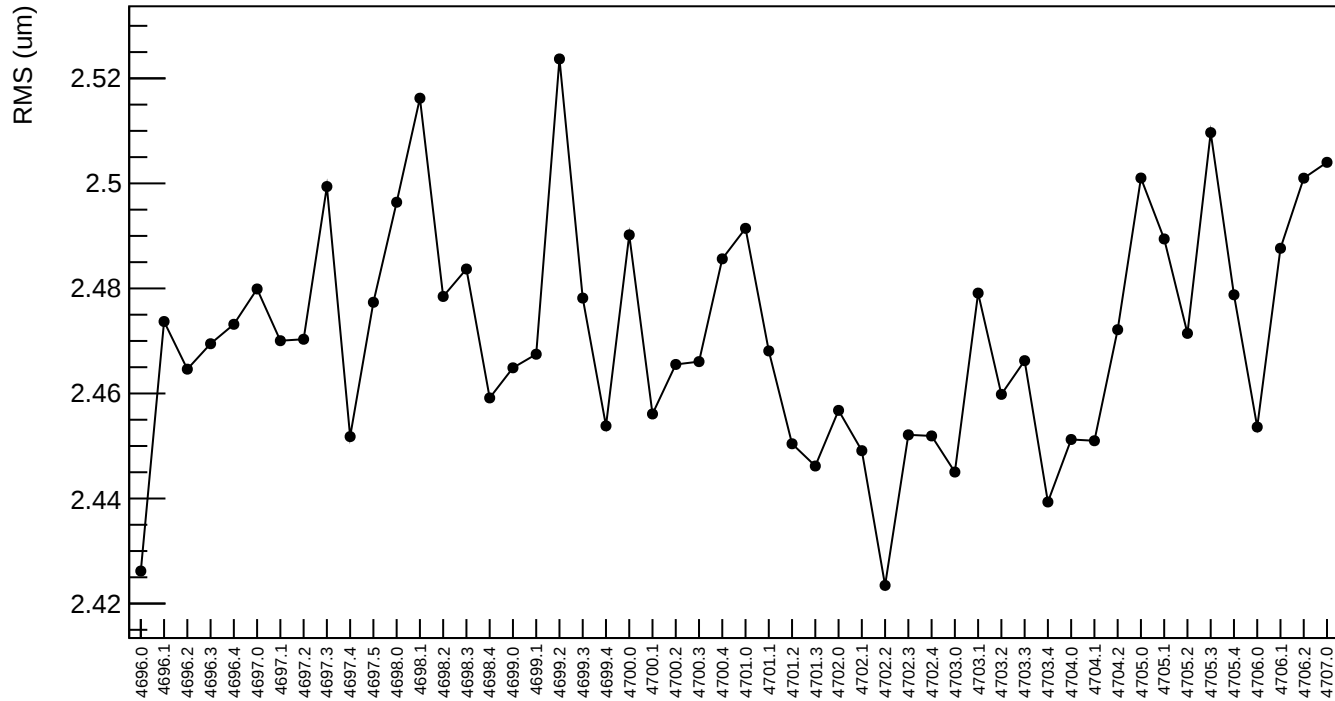
p0

 3.257 ± 2.312 

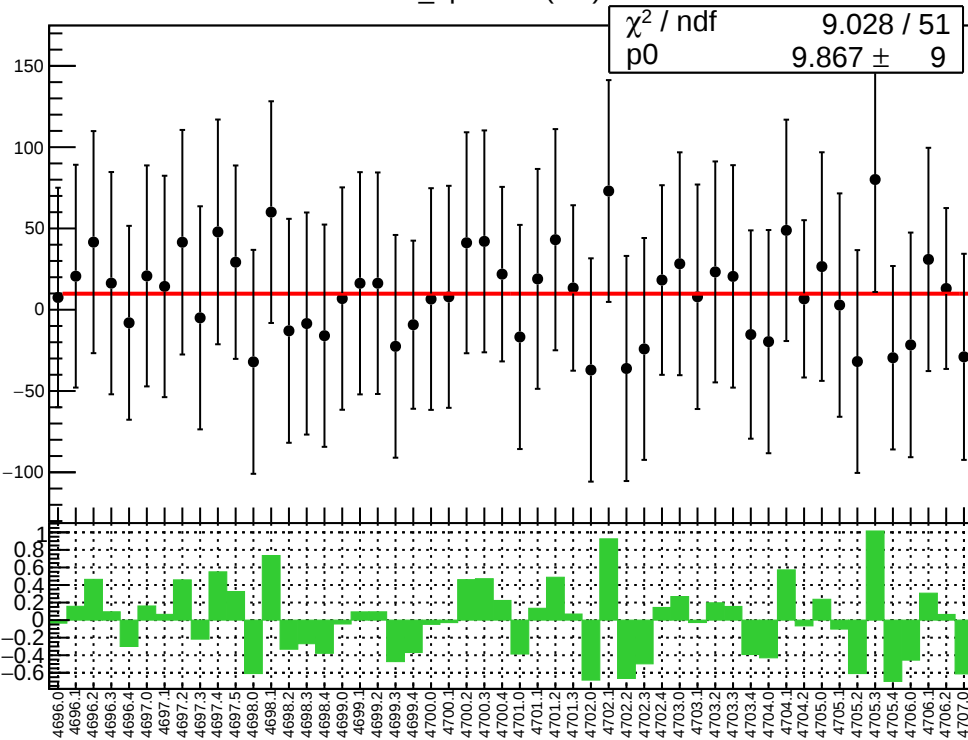
1D pull distribution



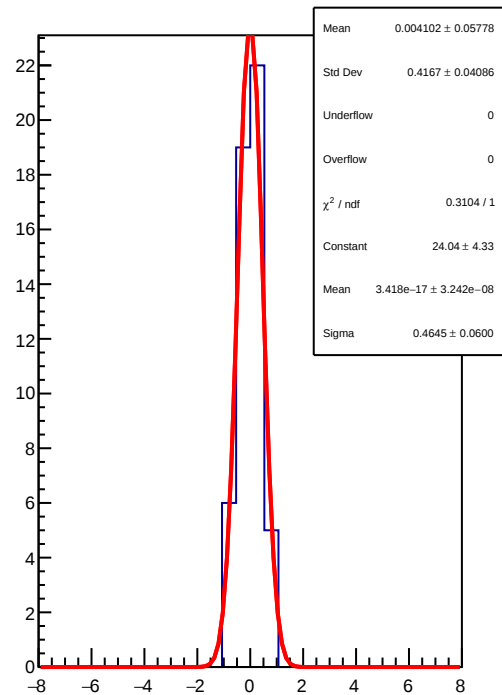
diff_bpm4aX RMS (um)



diff_bpm4aY (nm)

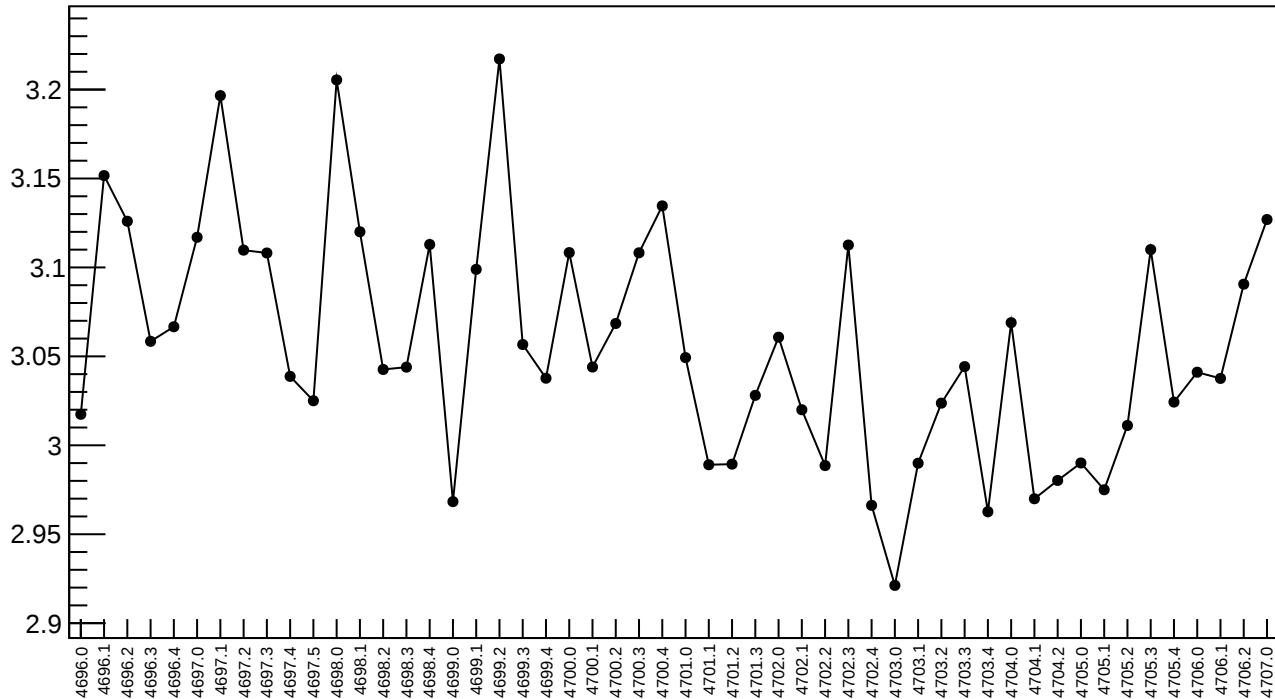


1D pull distribution

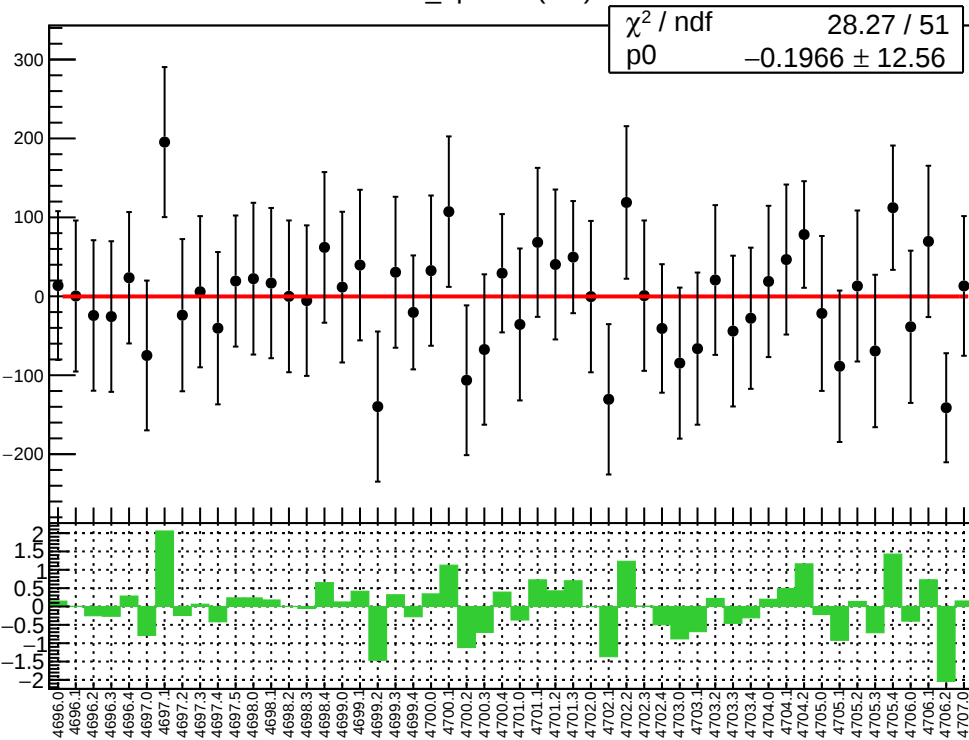


diff_bpm4aY RMS (um)

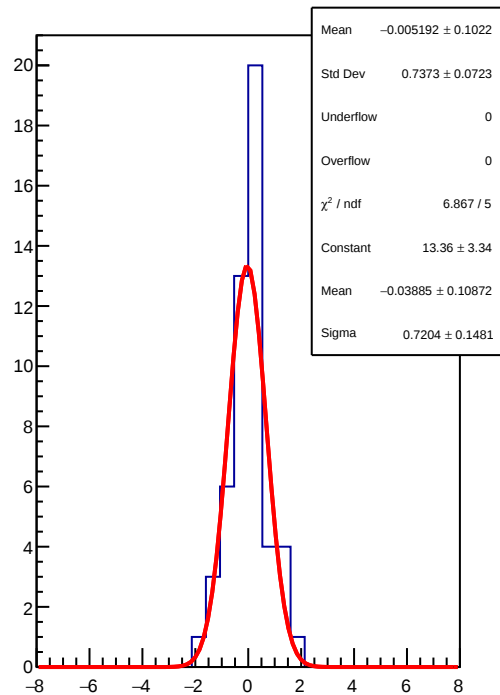
RMS (um)



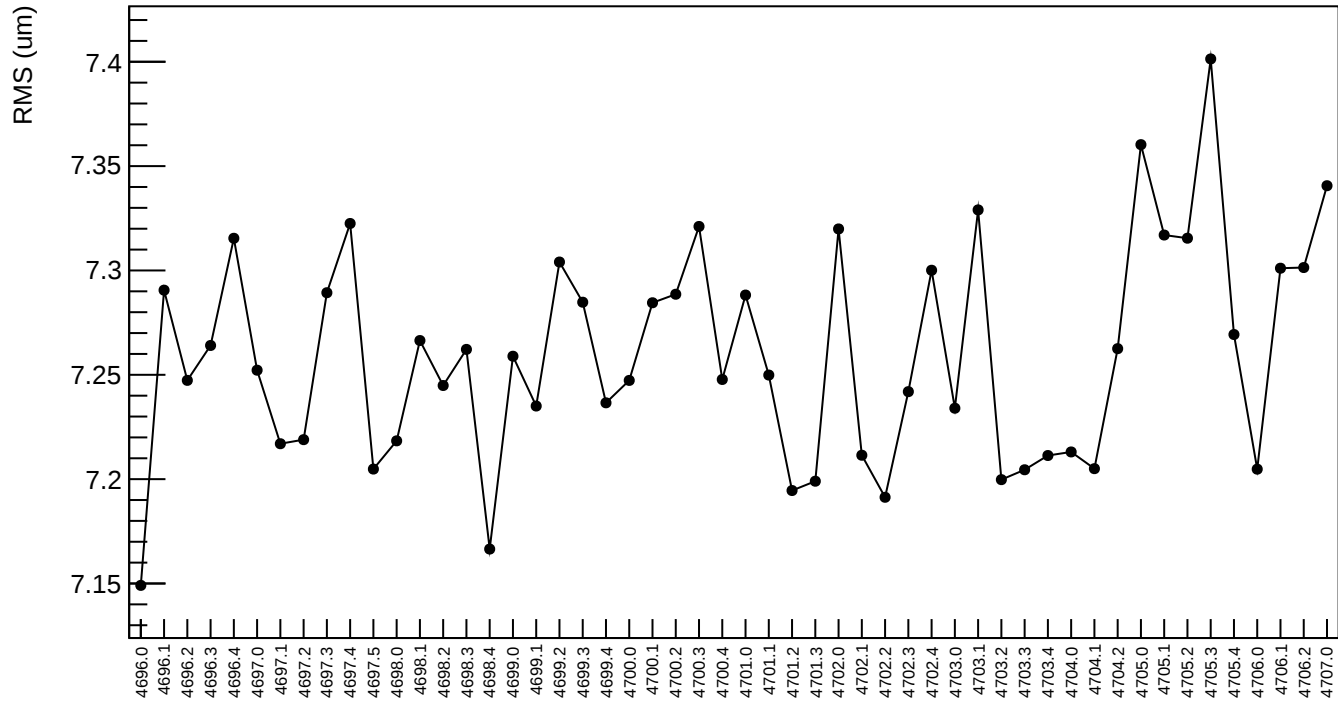
diff_bpm1X (nm)



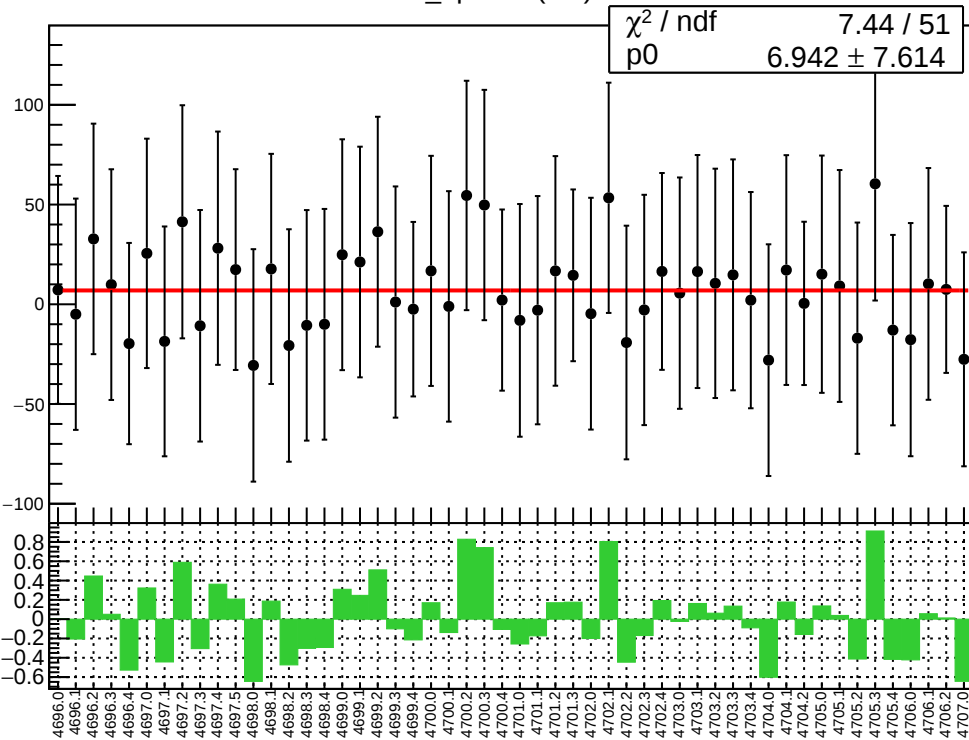
1D pull distribution



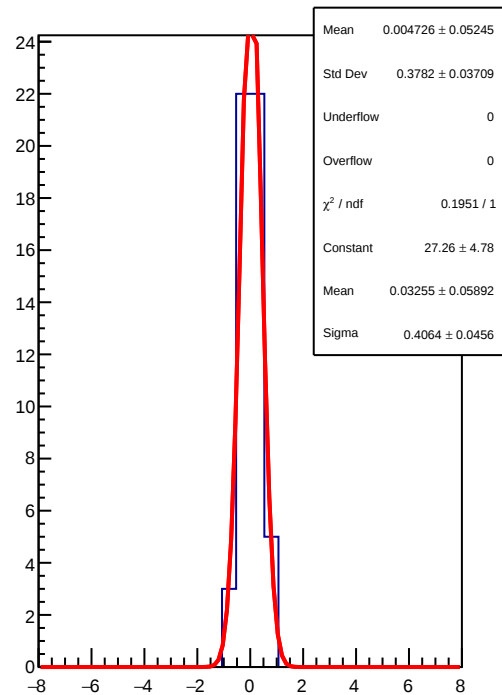
diff_bpm1X RMS (um)



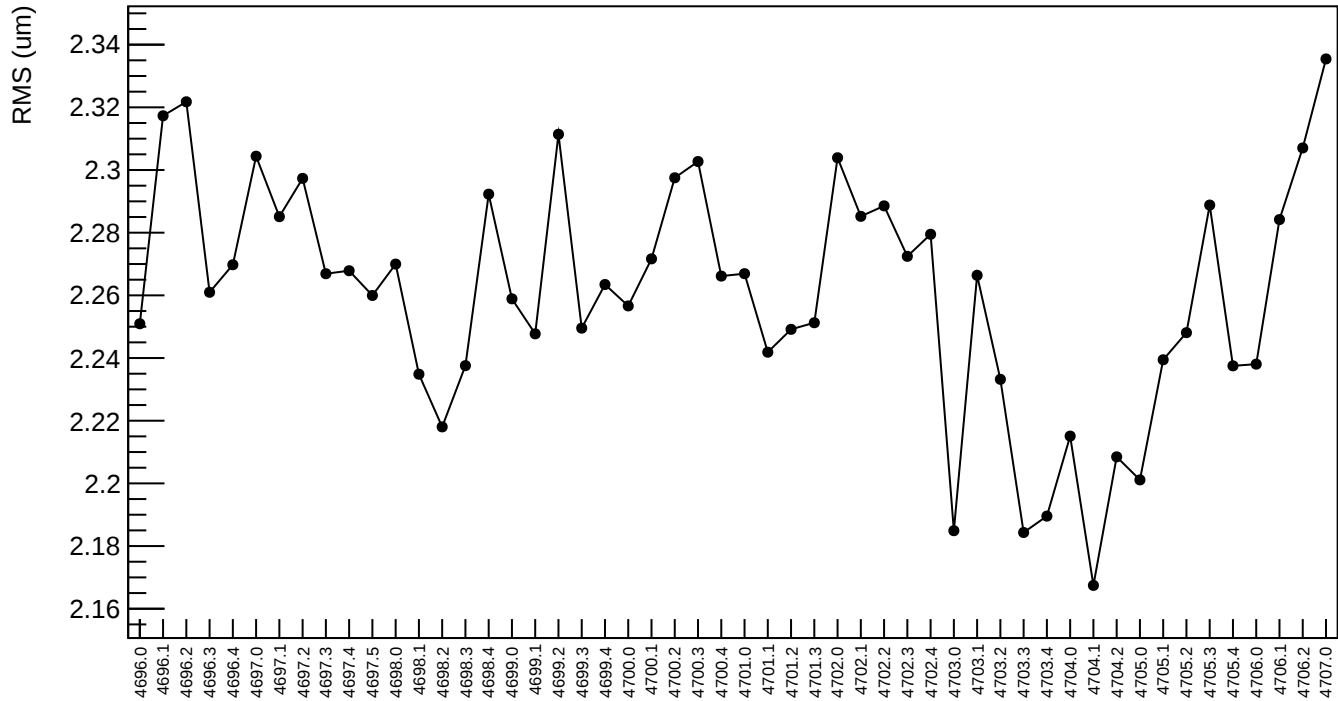
diff_bpm1Y (nm)



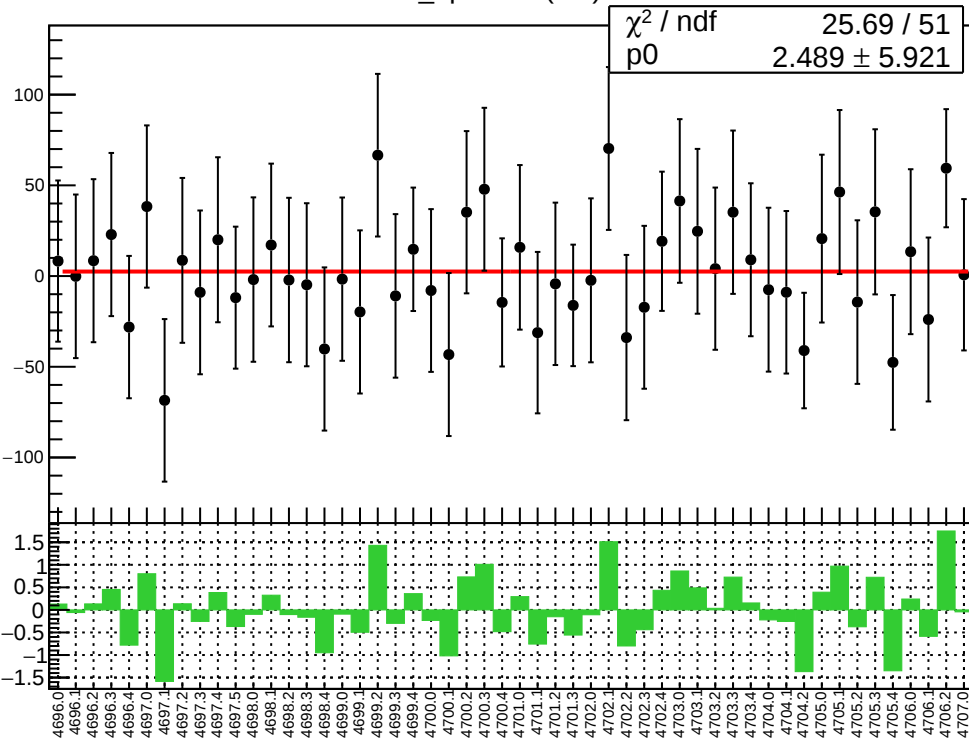
1D pull distribution



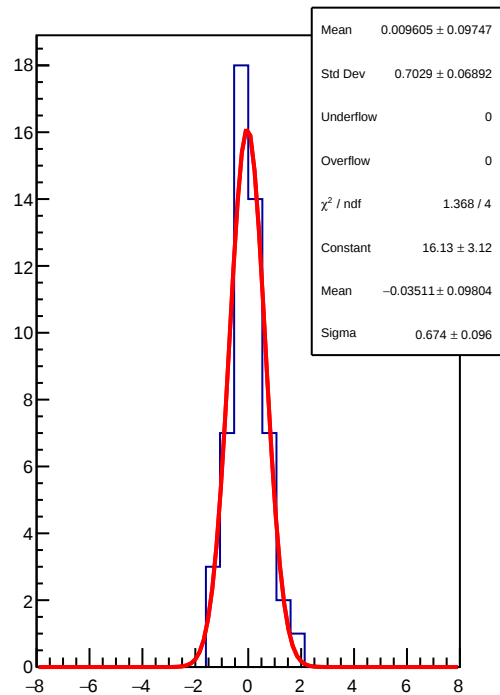
diff_bpm1Y RMS (um)



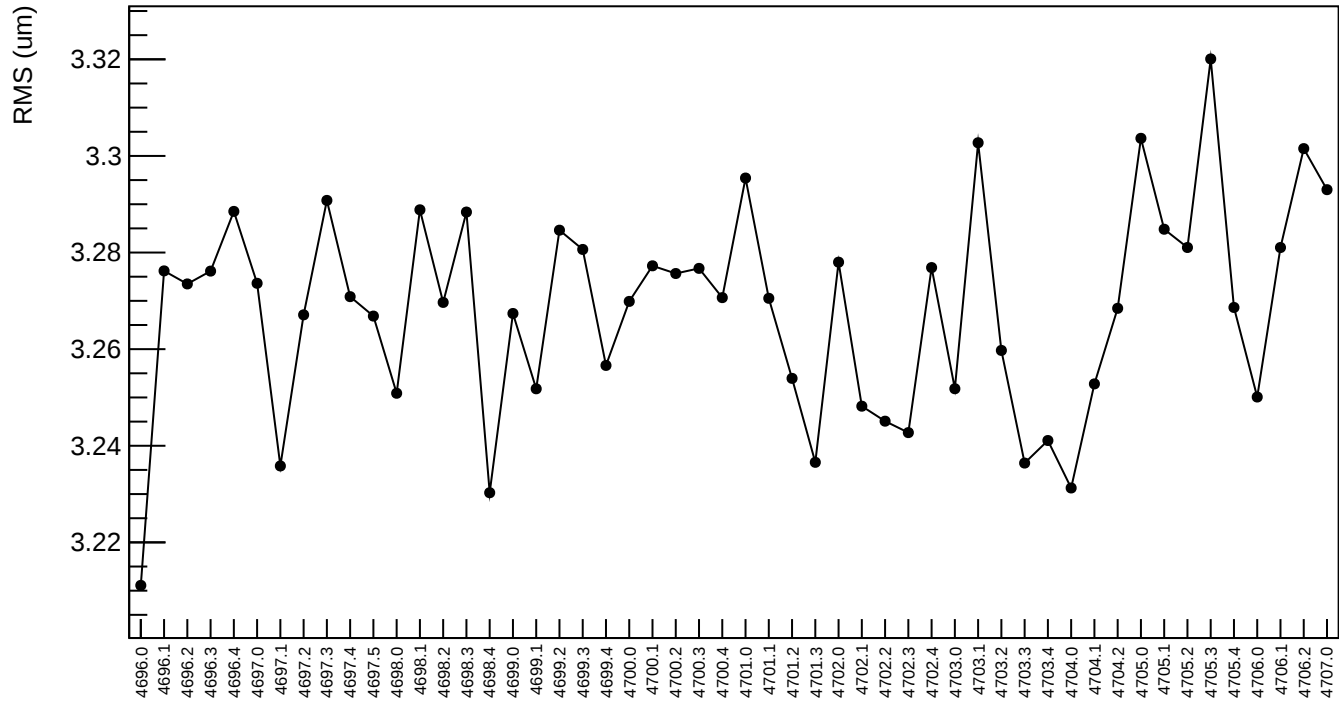
diff_bpm16X (nm)



1D pull distribution



diff_bpm16X RMS (um)

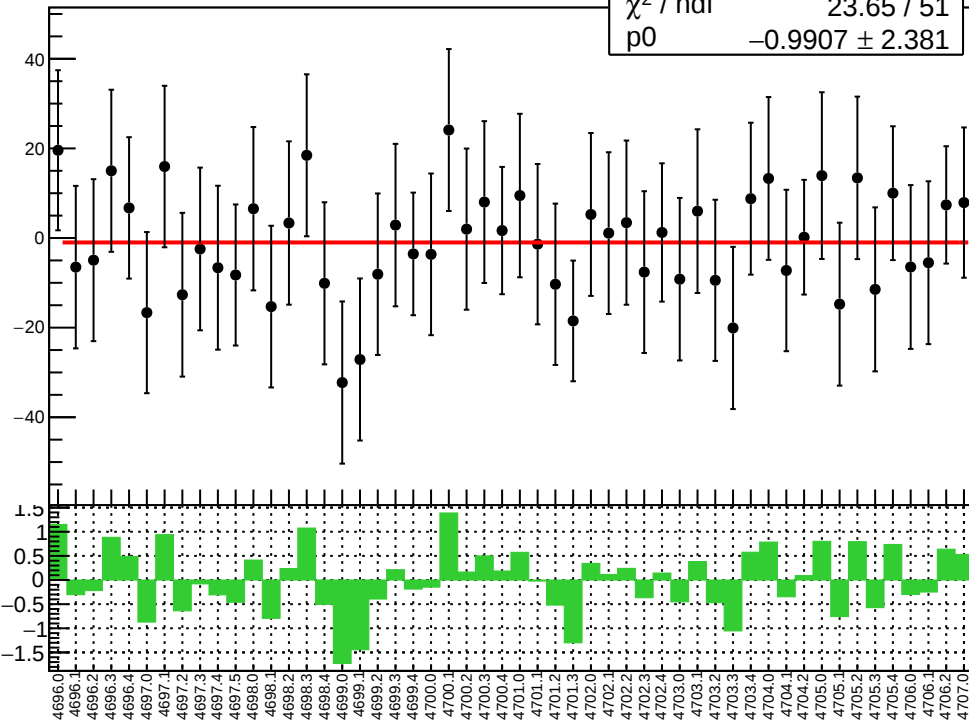


diff_bpm16Y (nm)

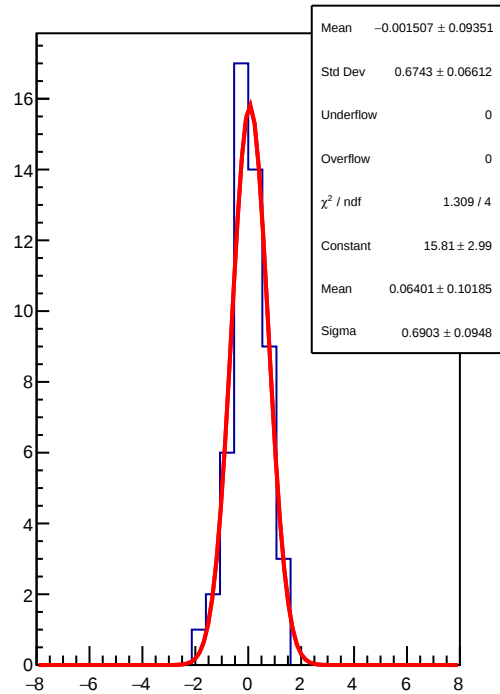
 χ^2 / ndf

23.65 / 51

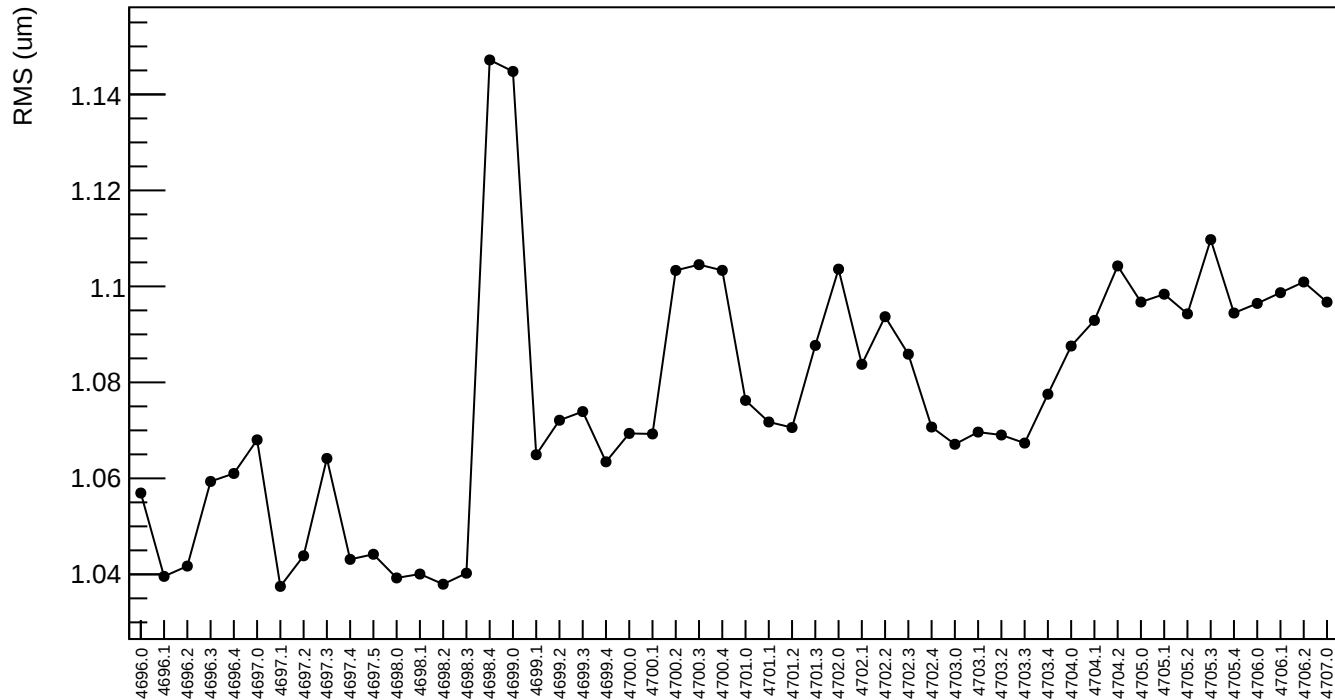
p0

 -0.9907 ± 2.381 

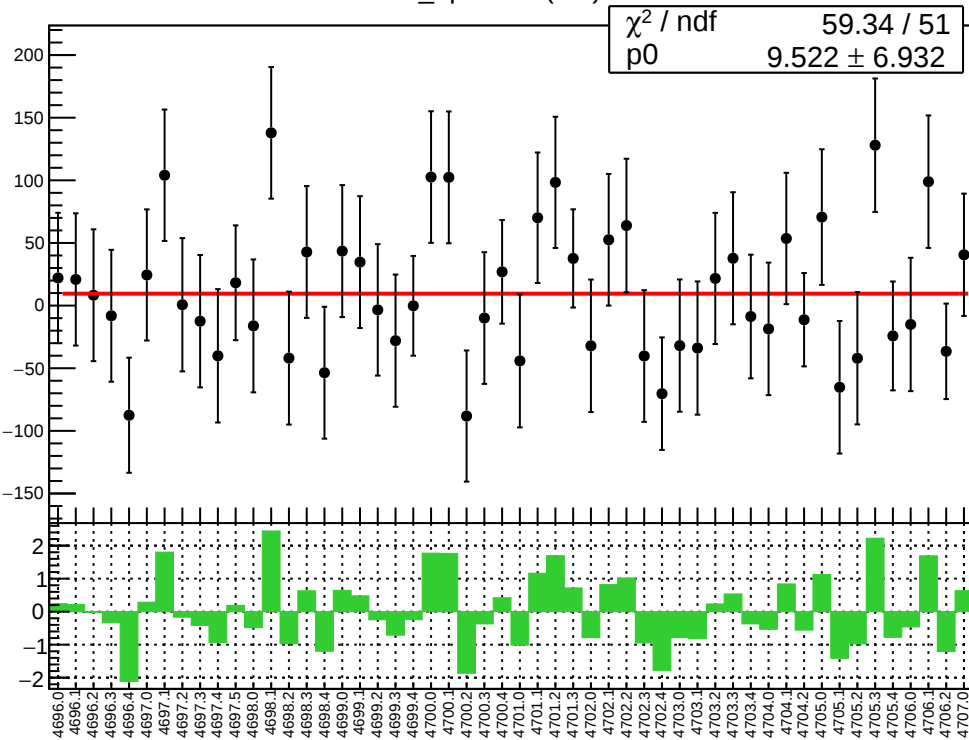
1D pull distribution



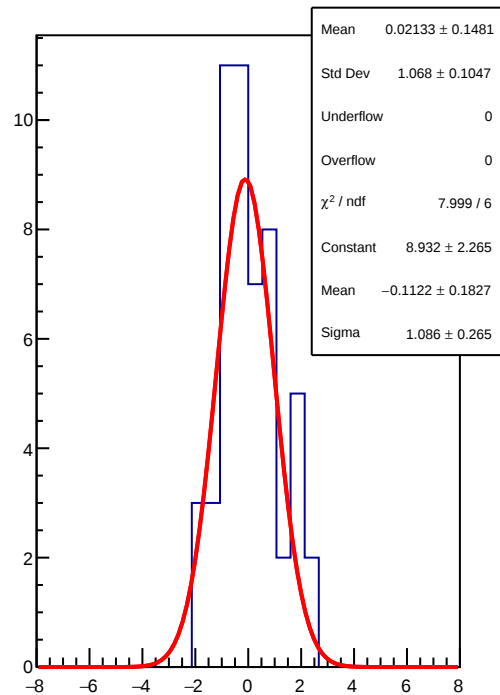
diff_bpm16Y RMS (um)



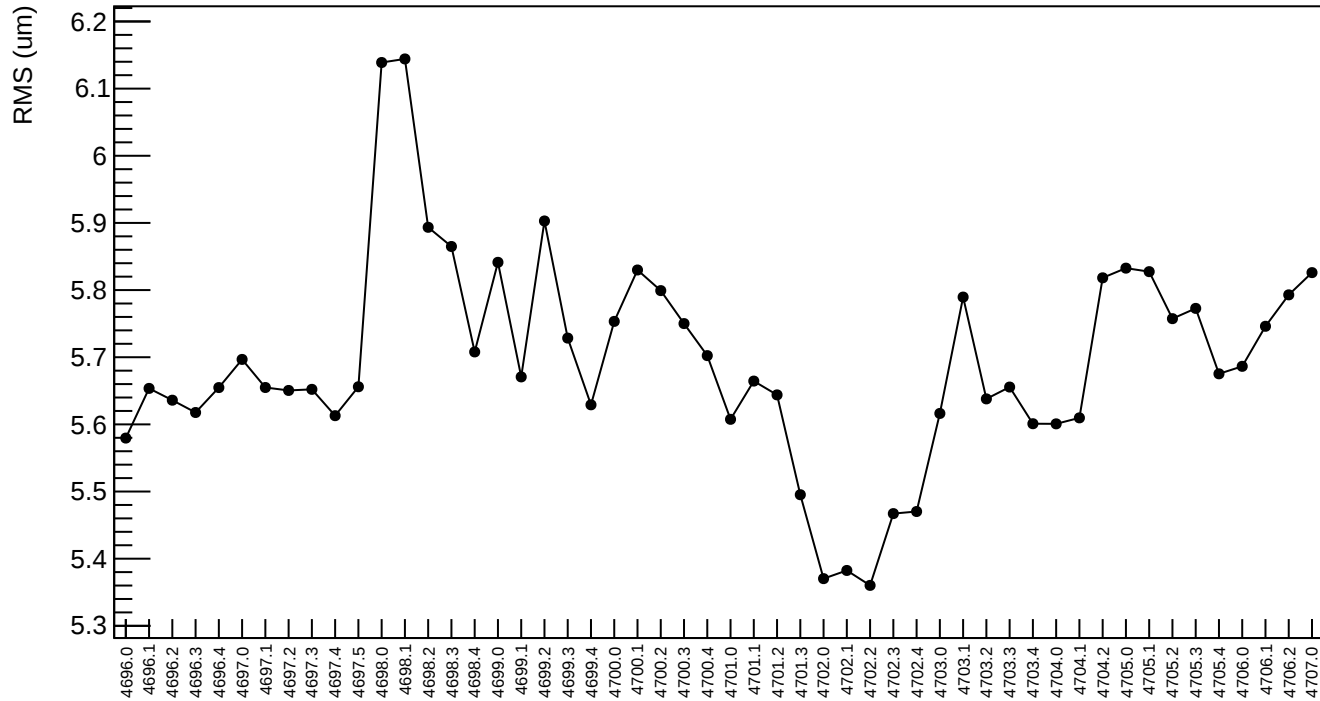
diff_bpm12X (nm)



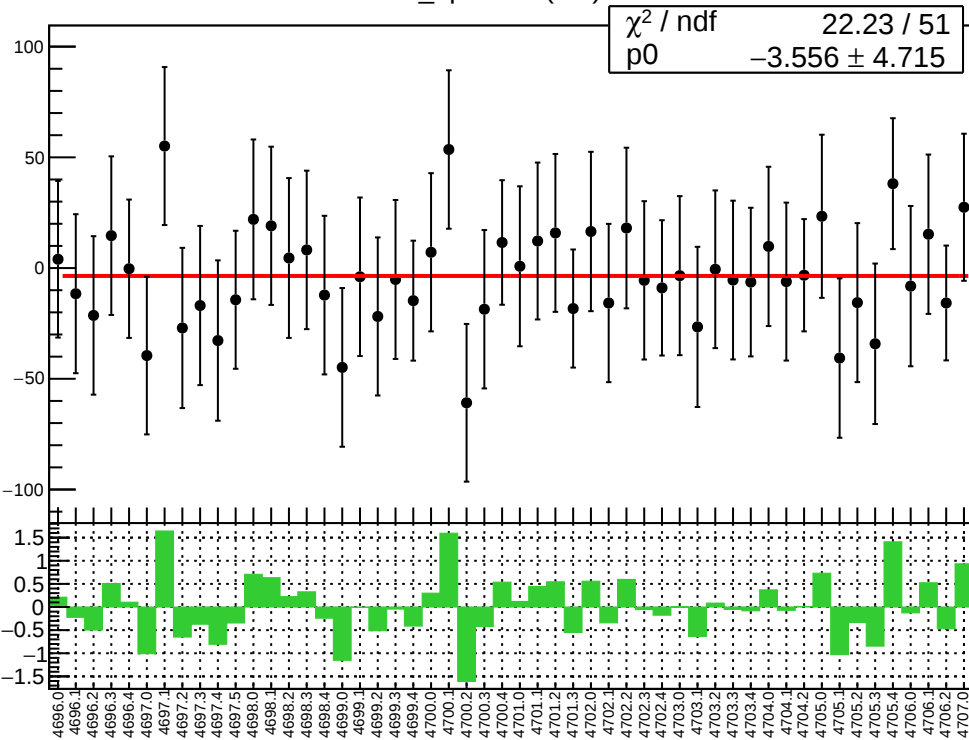
1D pull distribution



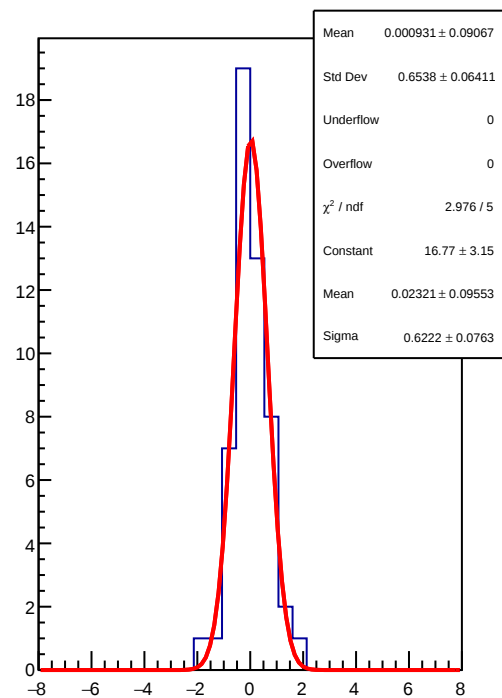
diff_bpm12X RMS (um)



diff_bpm12Y (nm)

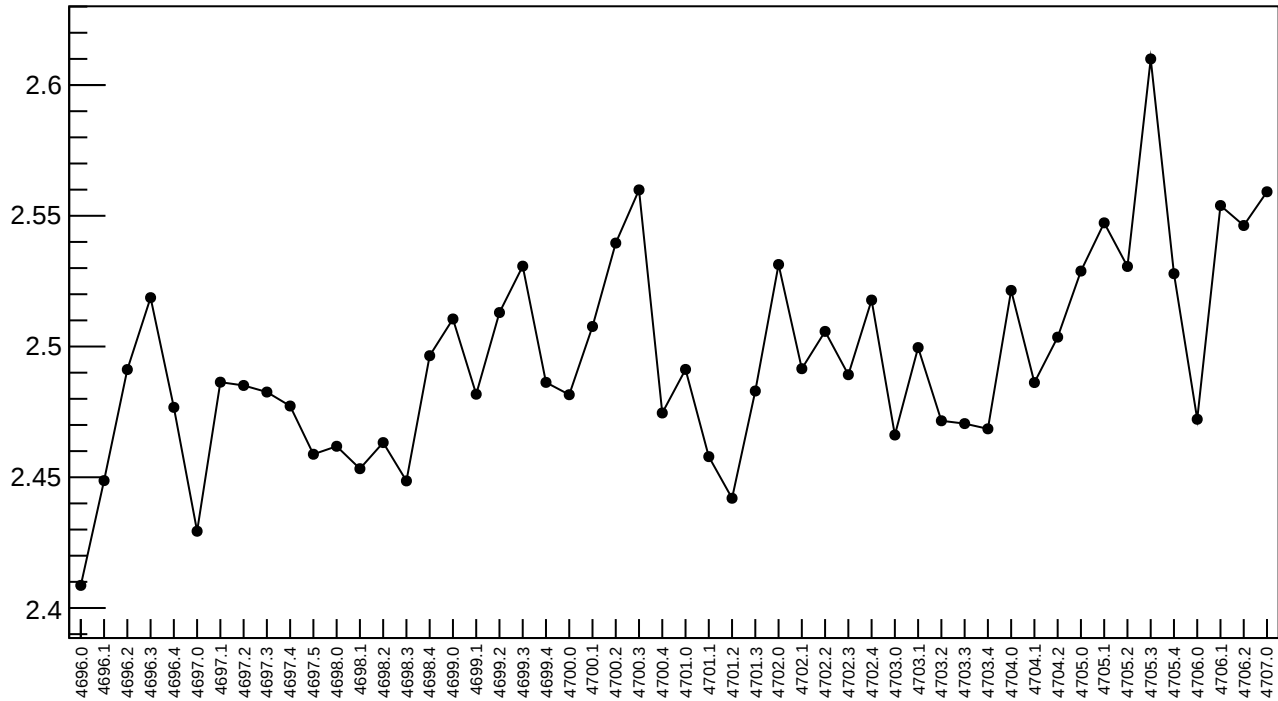


1D pull distribution

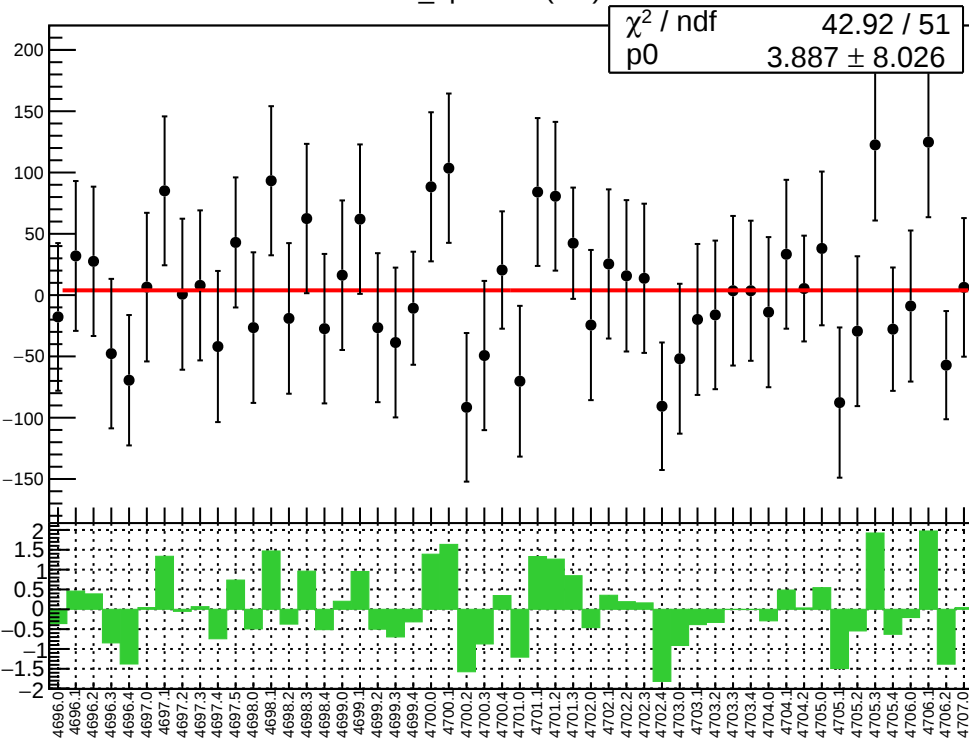


diff_bpm12Y RMS (um)

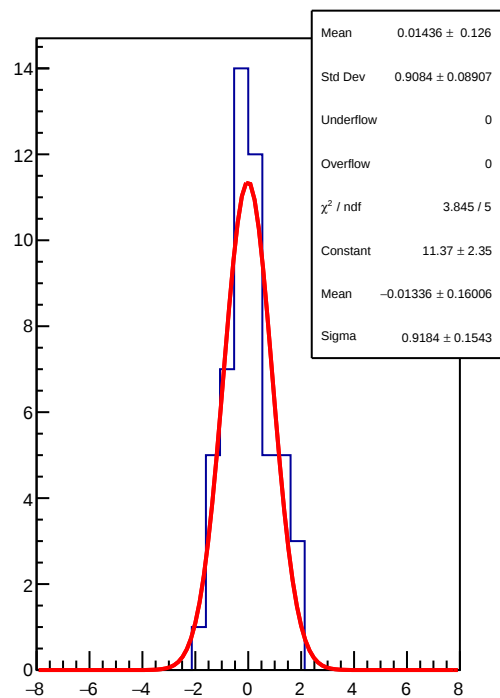
RMS (um)



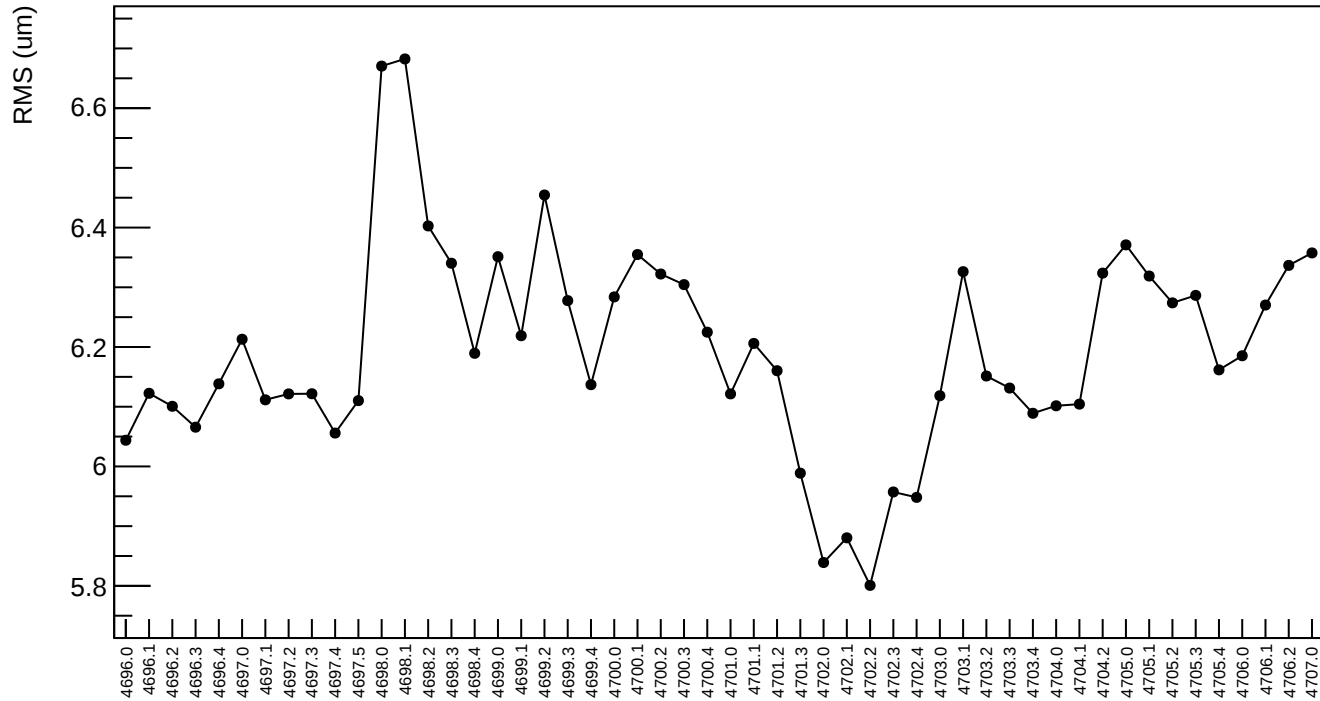
diff_bpm11X (nm)



1D pull distribution



diff_bpm11X RMS (um)

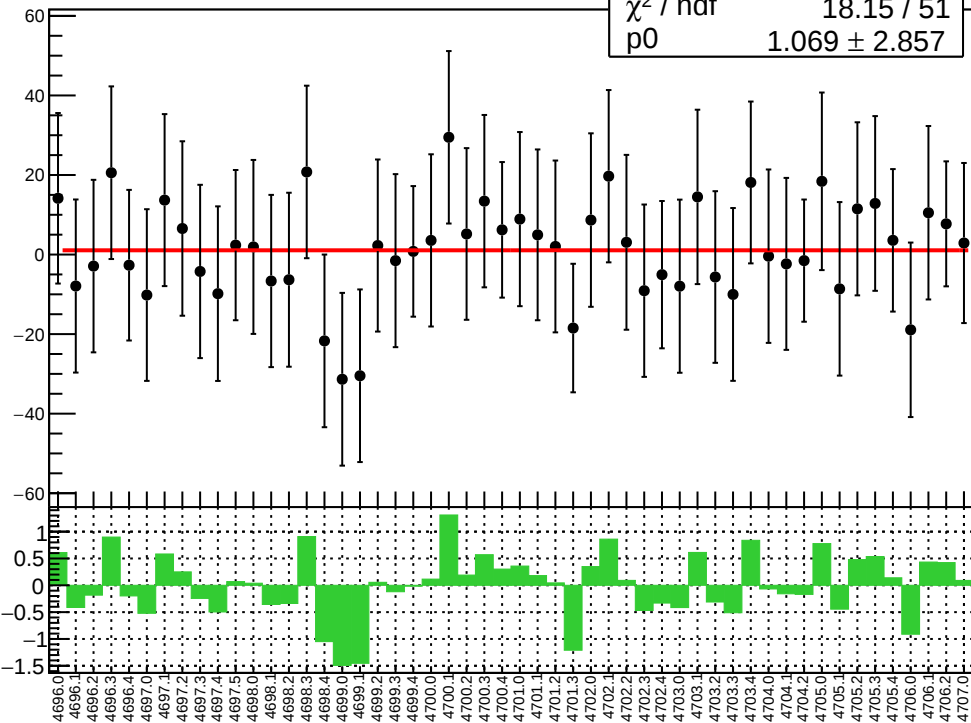


diff_bpm11Y (nm)

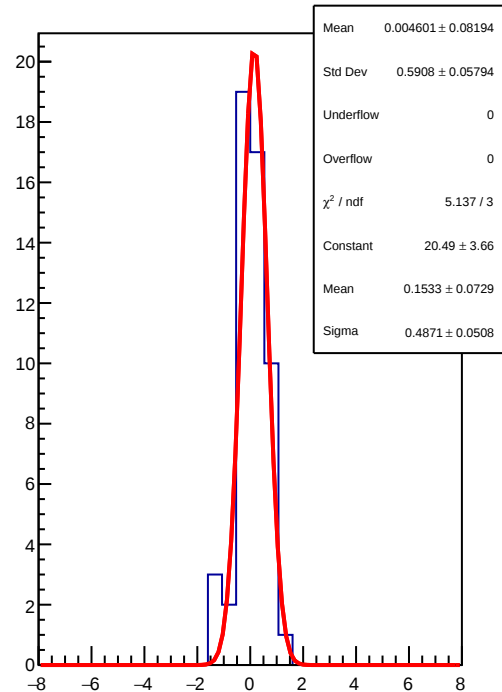
 χ^2 / nfd

18.15 / 51

p0

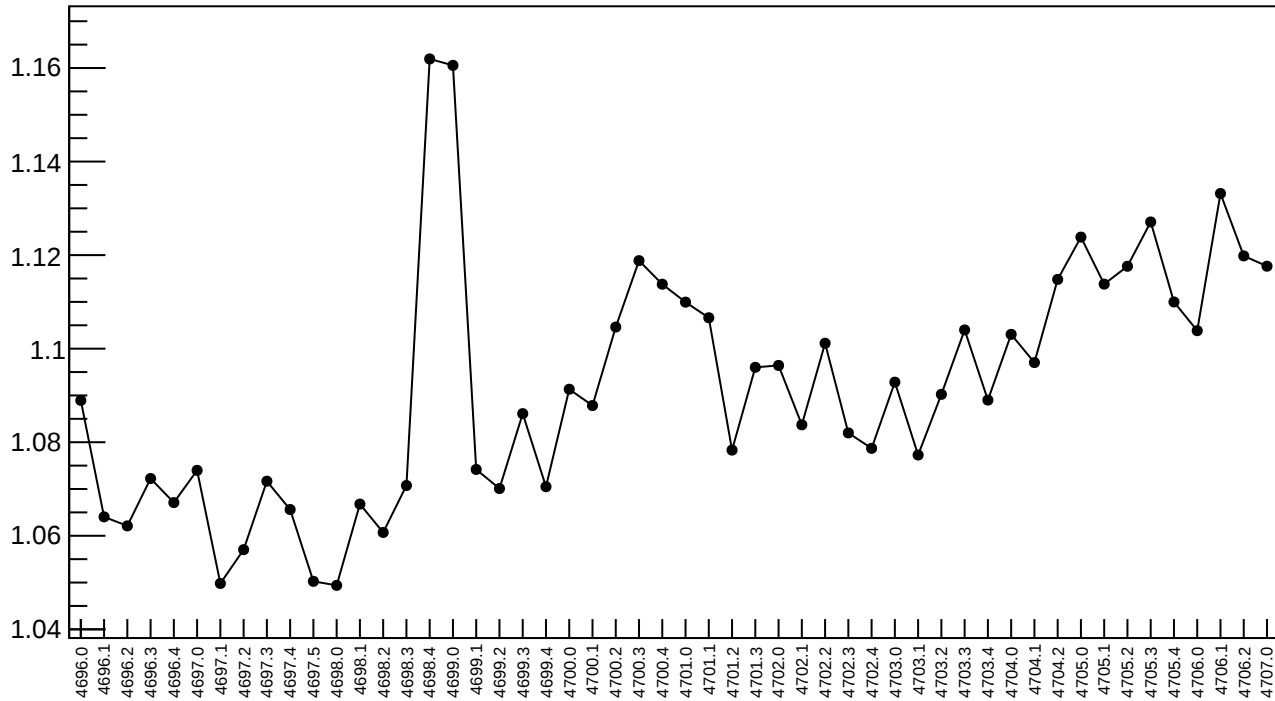
 1.069 ± 2.857 

1D pull distribution

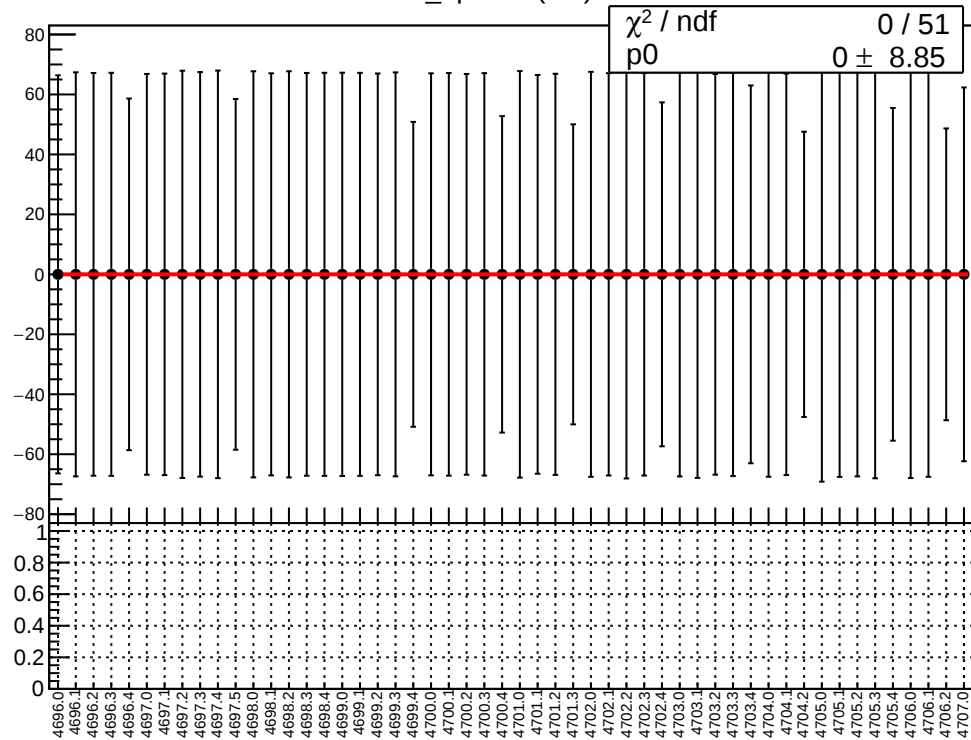


diff_bpm11Y RMS (um)

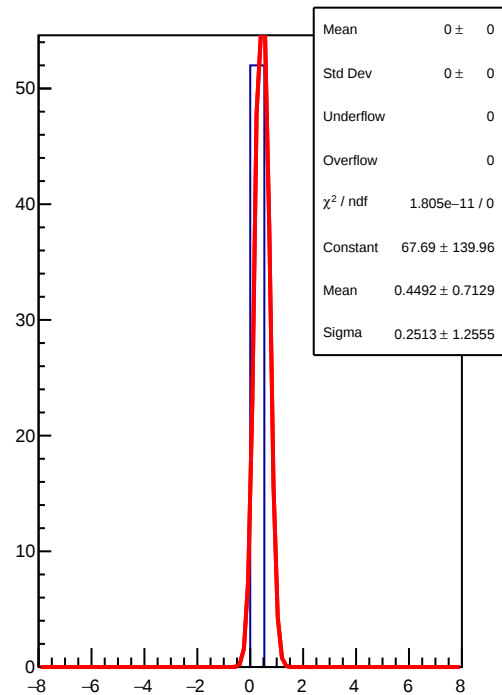
RMS (um)



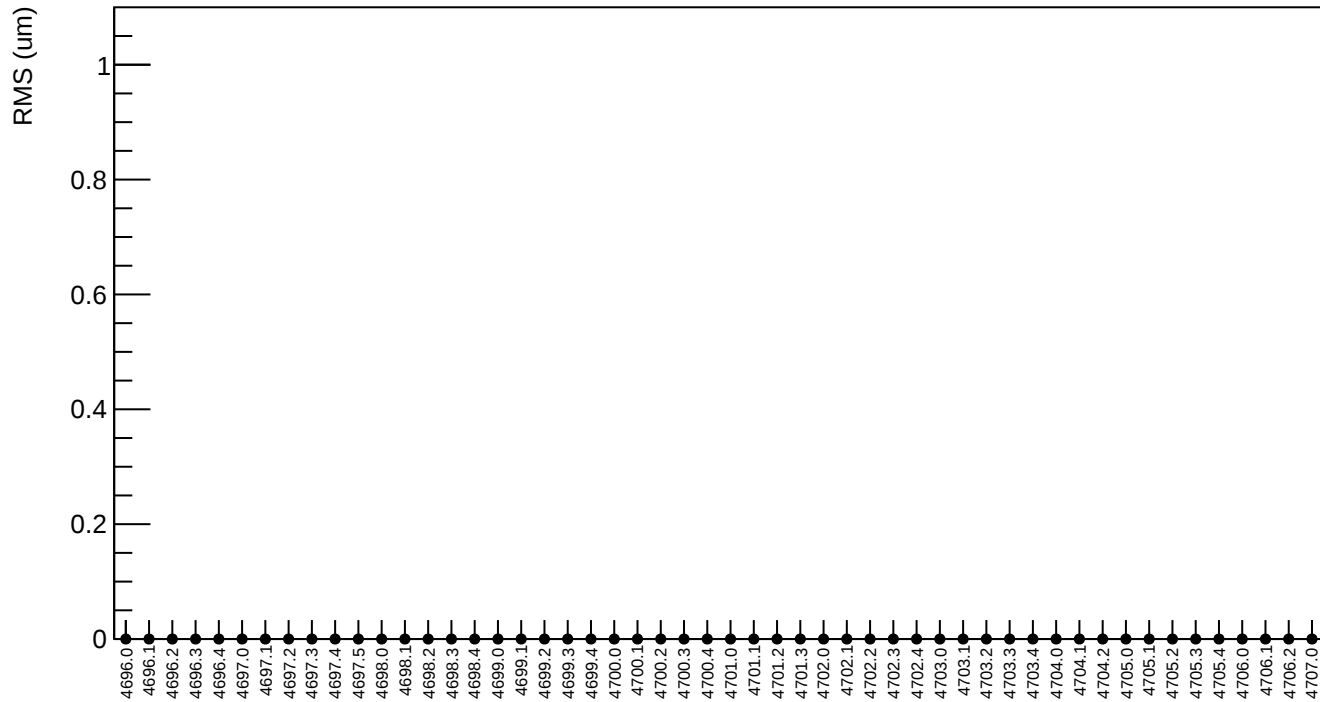
diff_bpm8X (nm)



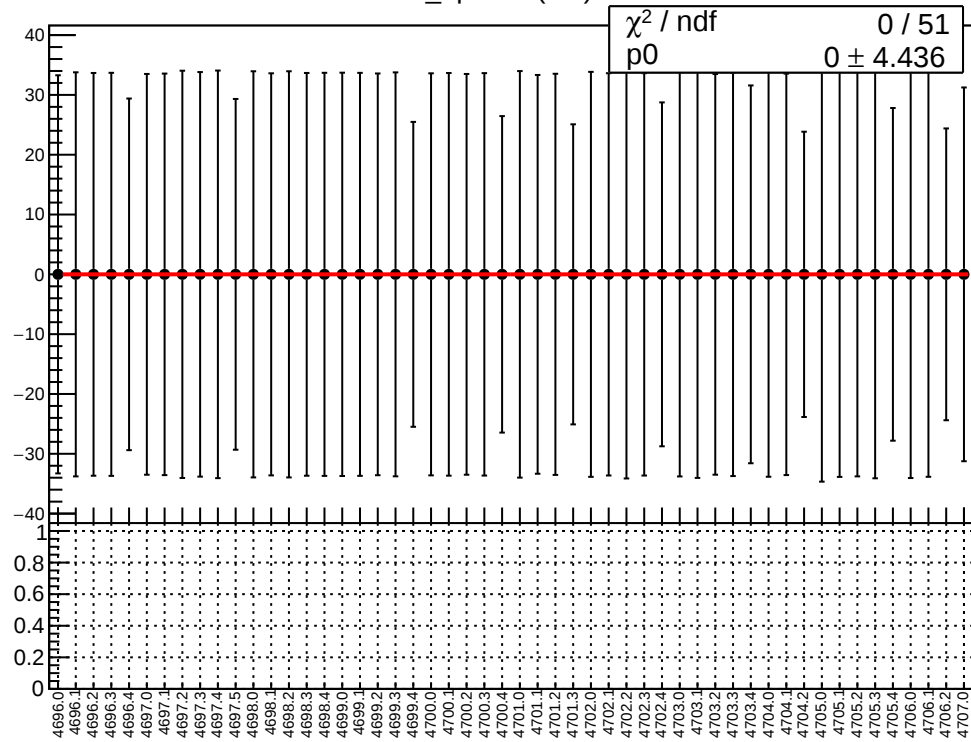
1D pull distribution



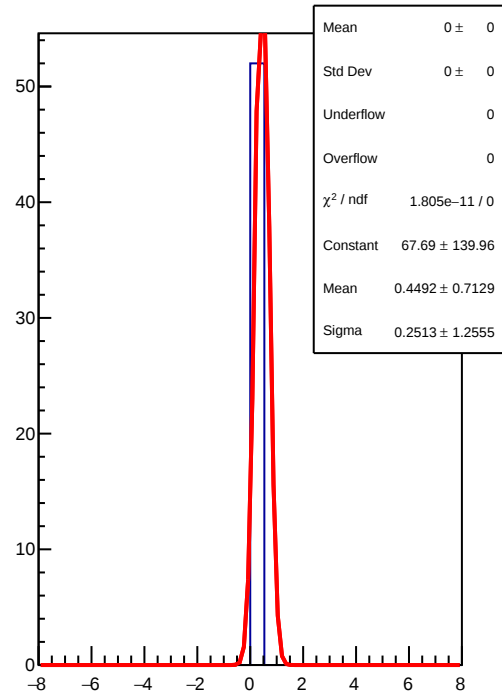
diff_bpm8X RMS (um)



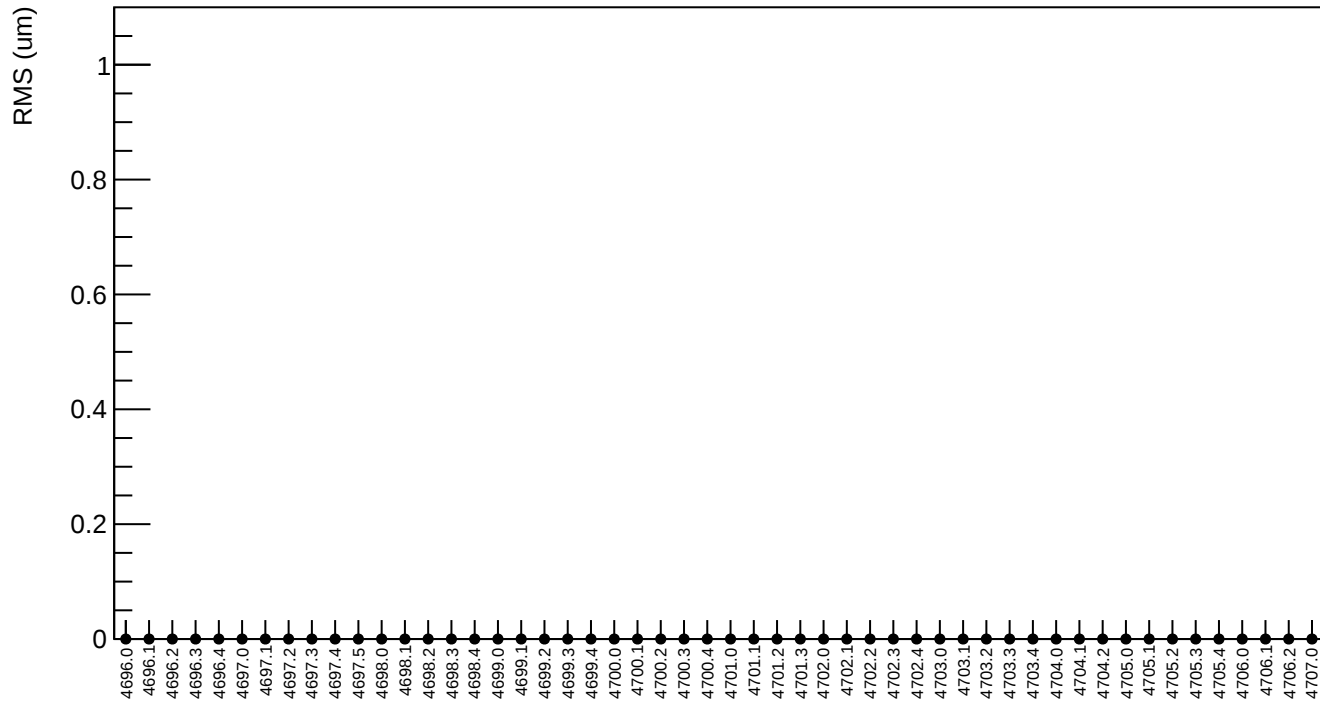
diff_bpm8Y (nm)



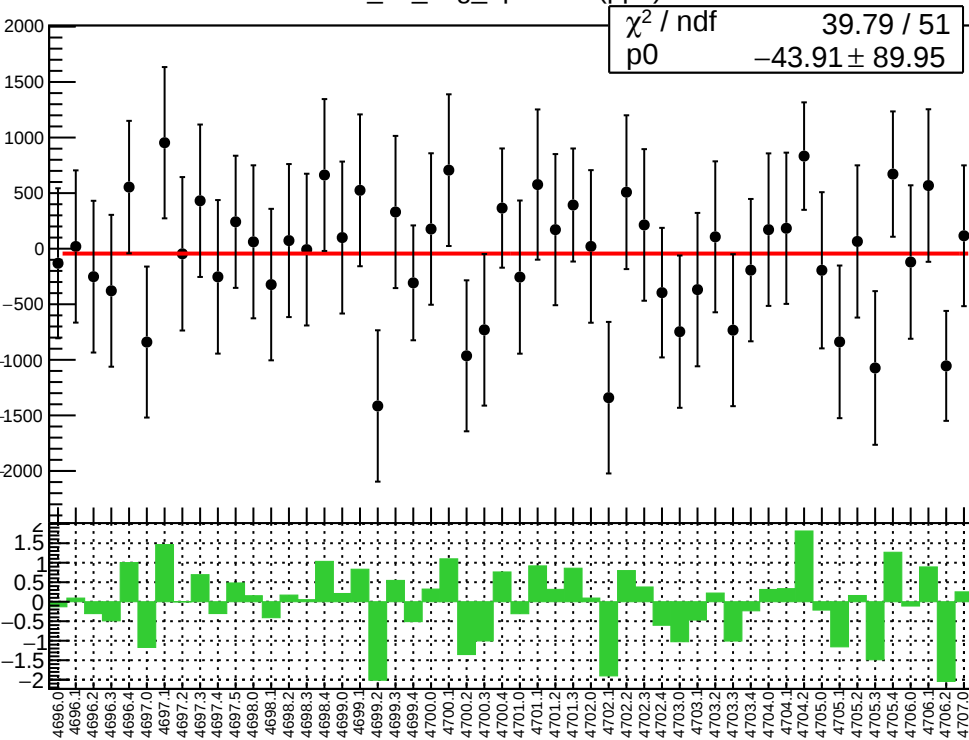
1D pull distribution



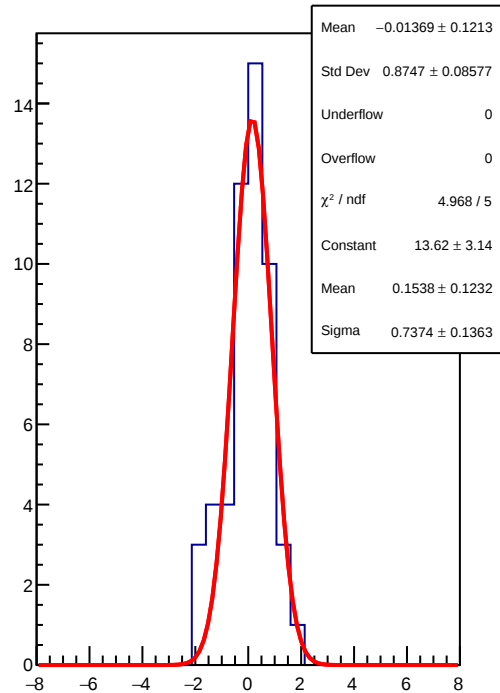
diff_bpm8Y RMS (um)



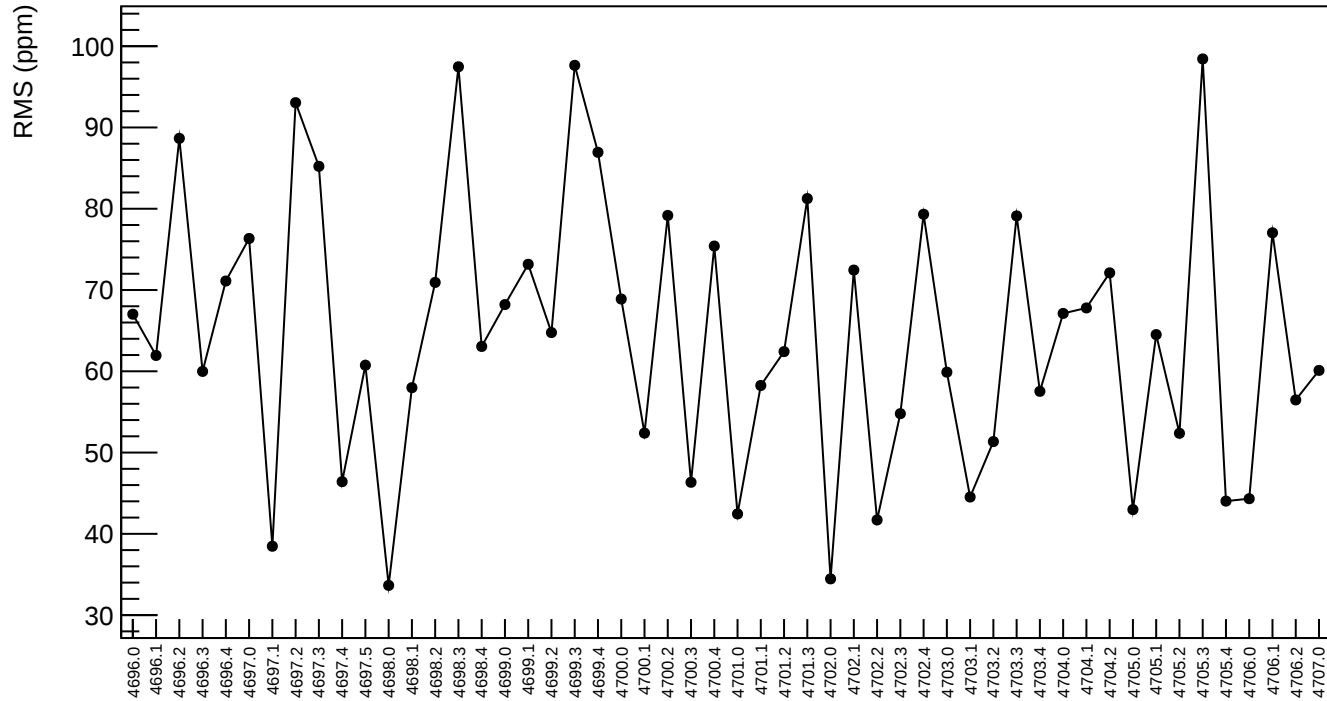
corr_us_avg_bpm4eX (ppb)



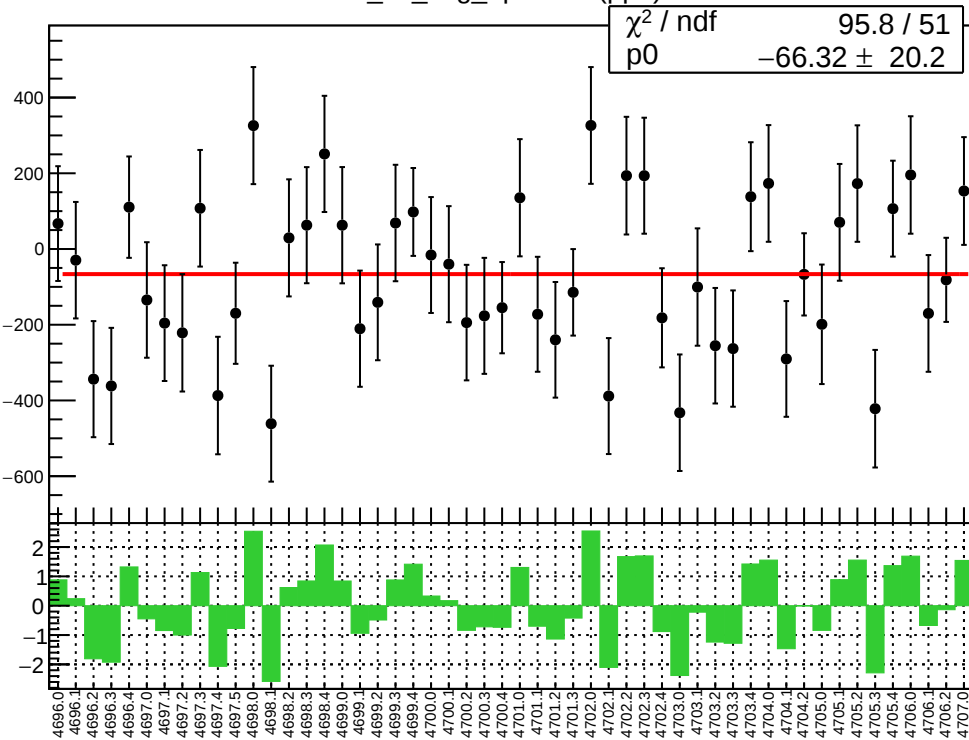
1D pull distribution



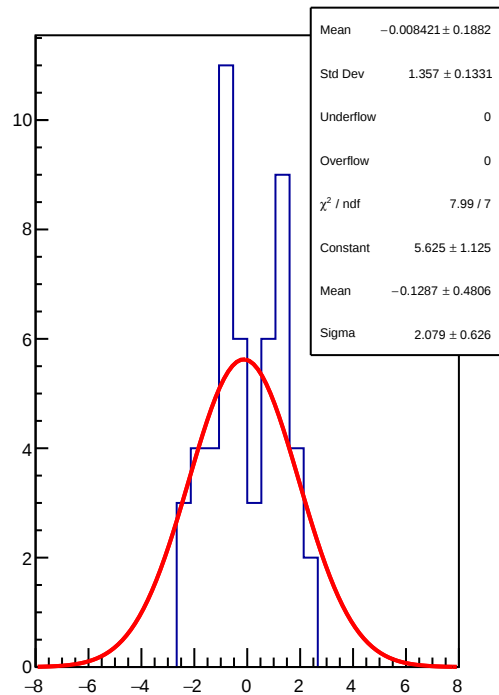
corr_us_avg_bpm4eX RMS (ppm)



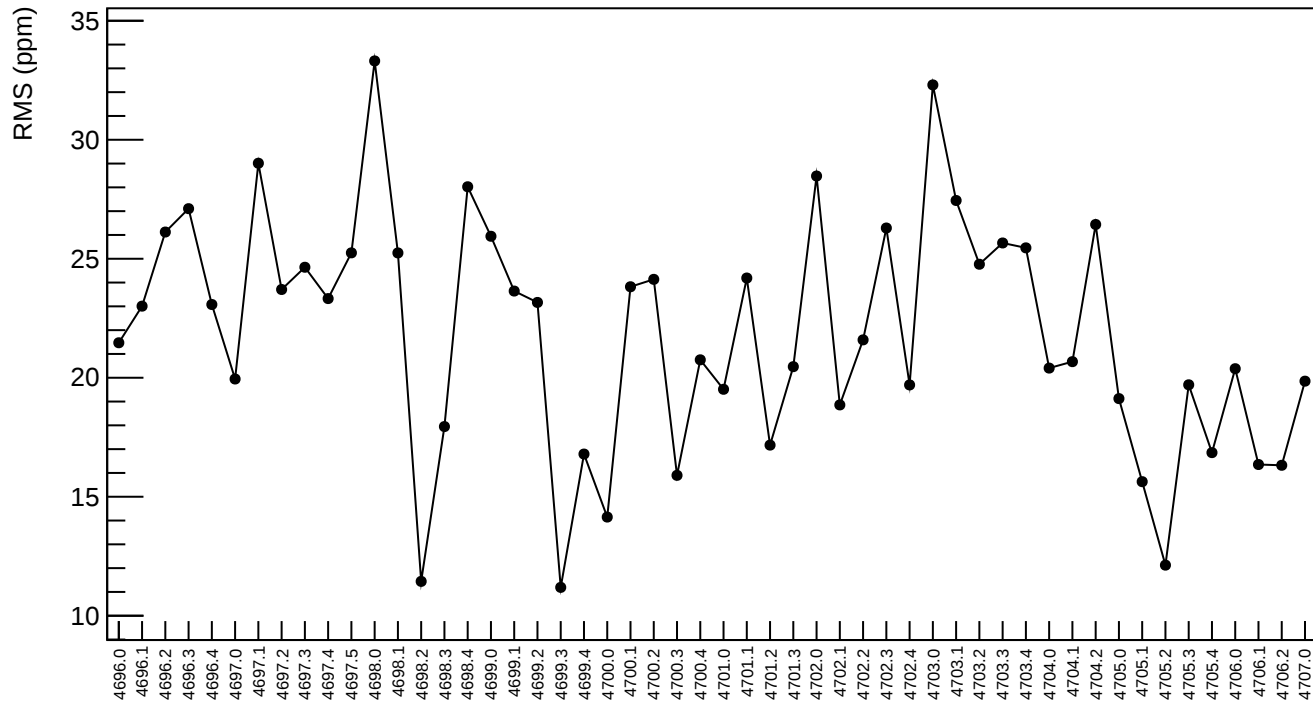
corr_us_avg_bpm4eY (ppb)



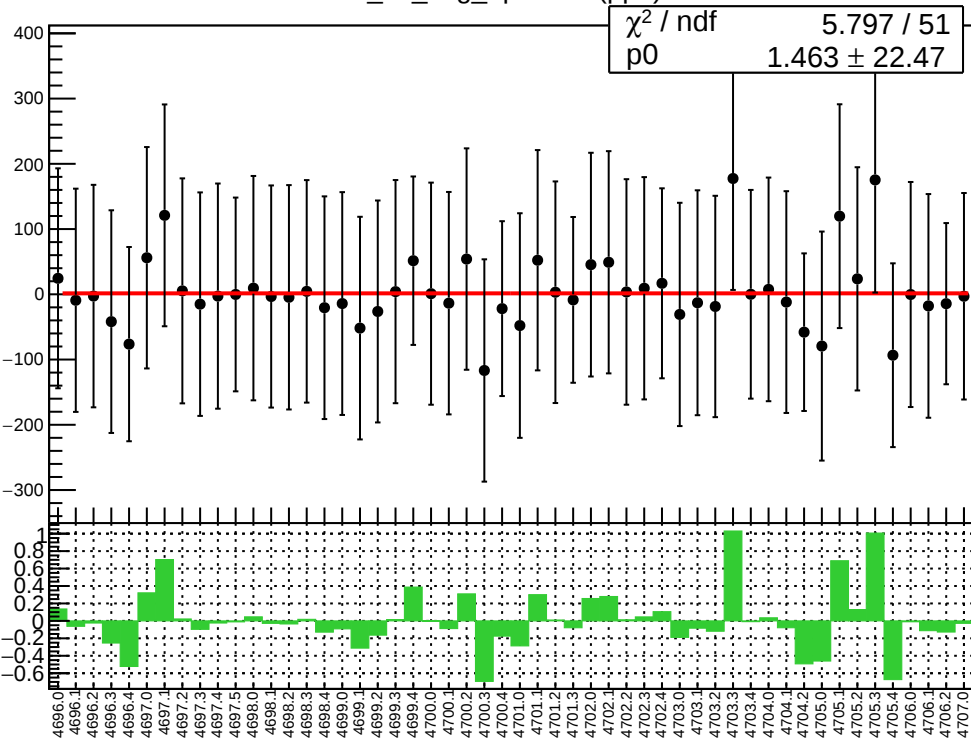
1D pull distribution



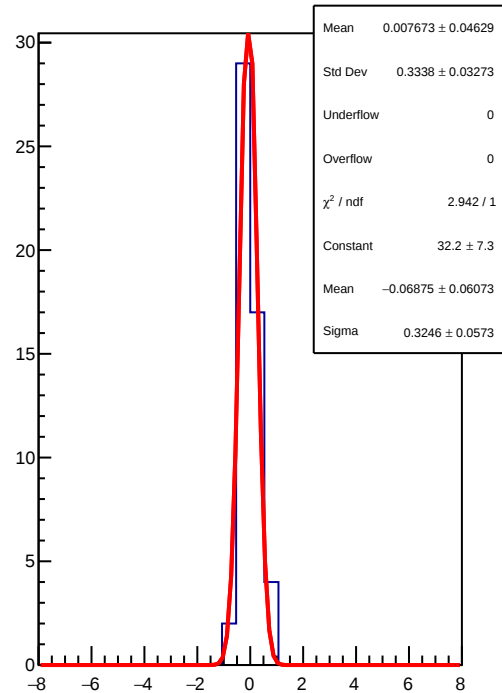
corr_us_avg_bpm4eY RMS (ppm)



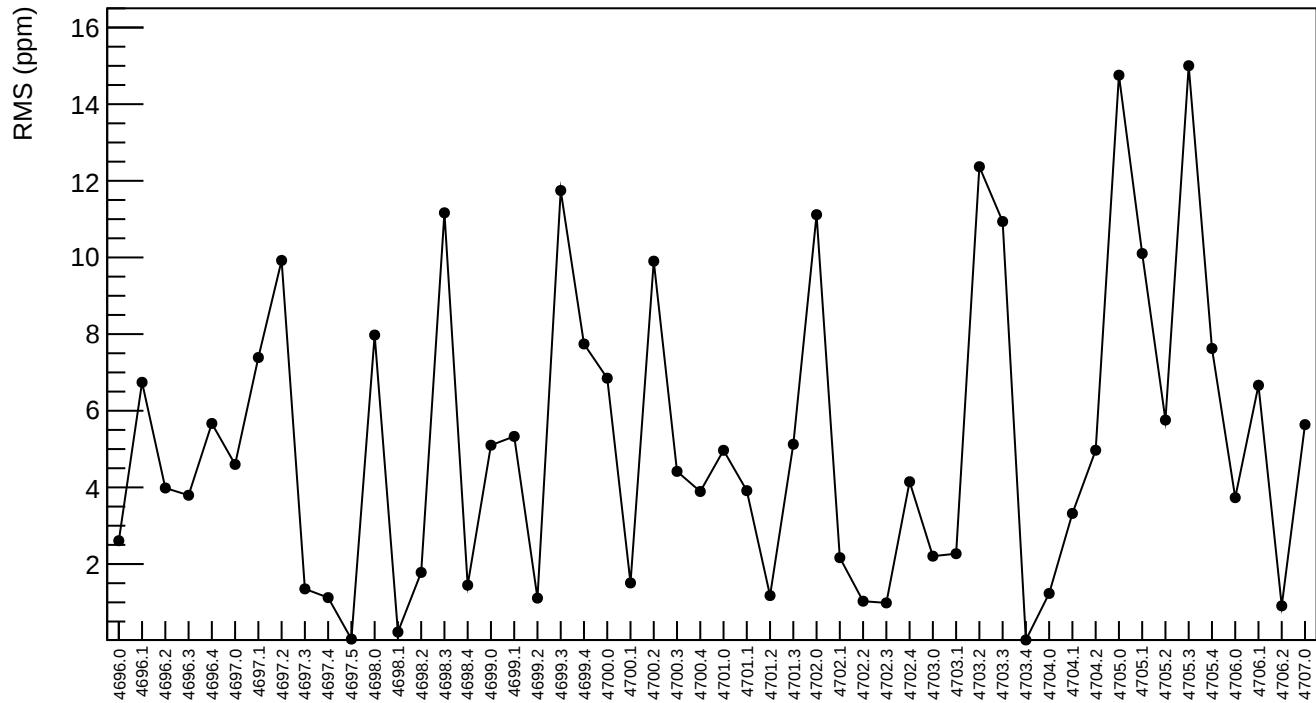
corr_us_avg_bpm4aX (ppb)



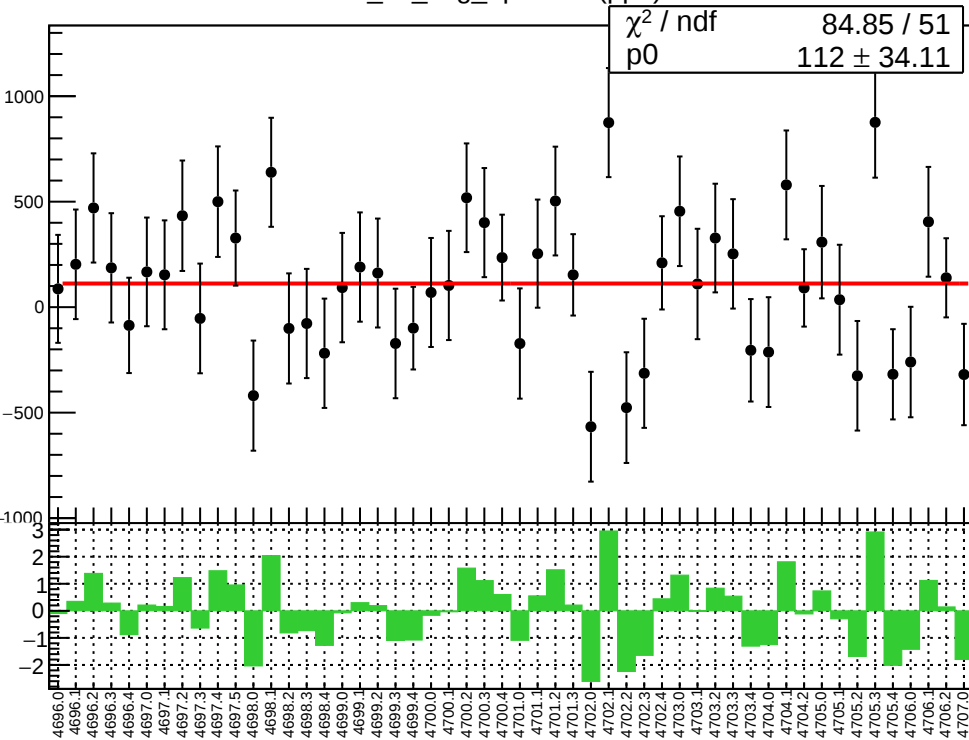
1D pull distribution



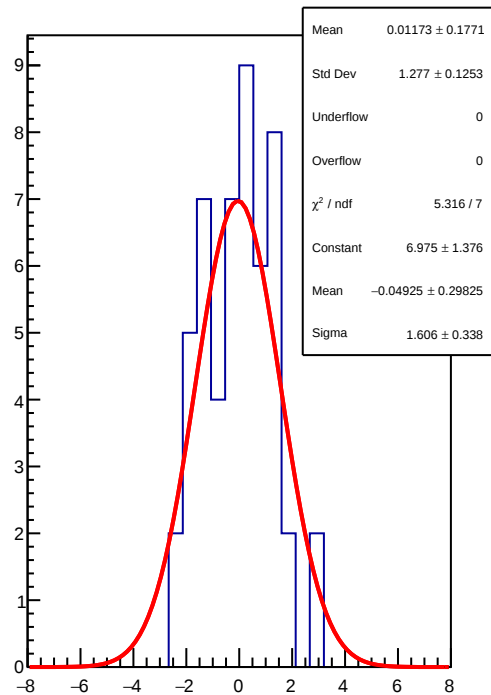
corr_us_avg_bpm4aX RMS (ppm)



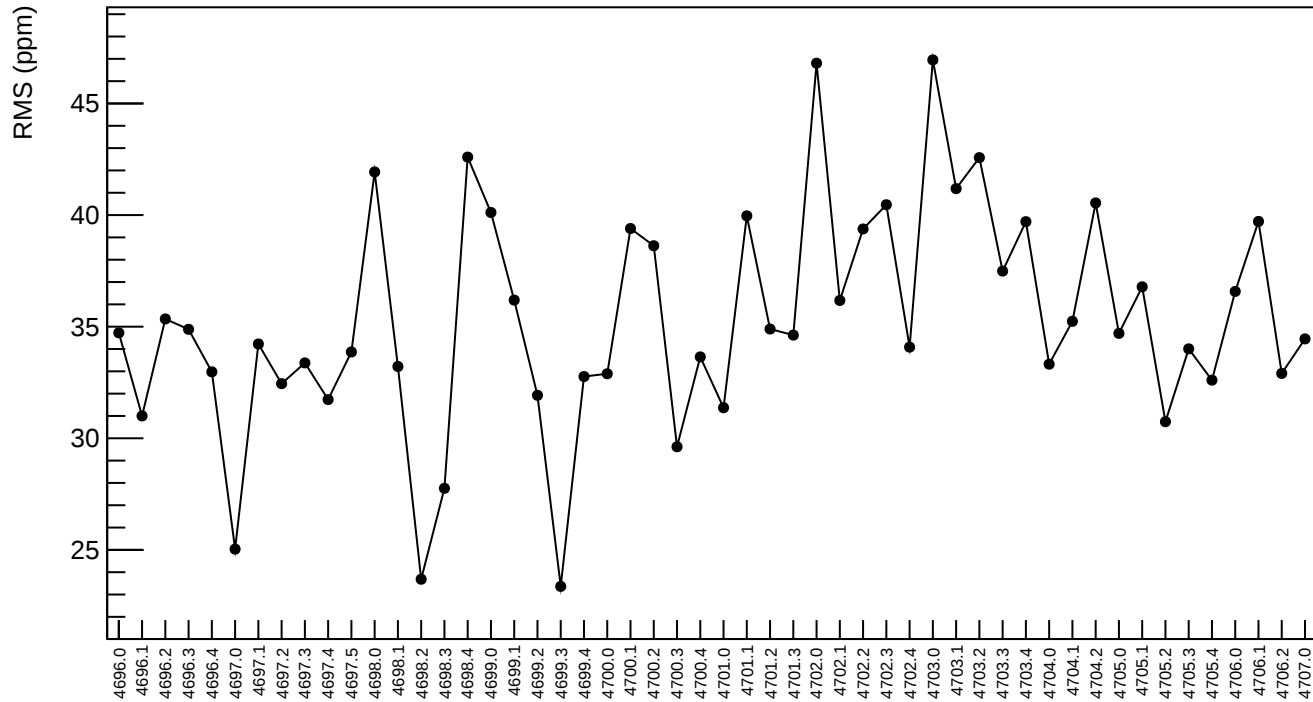
corr_us_avg_bpm4aY (ppb)



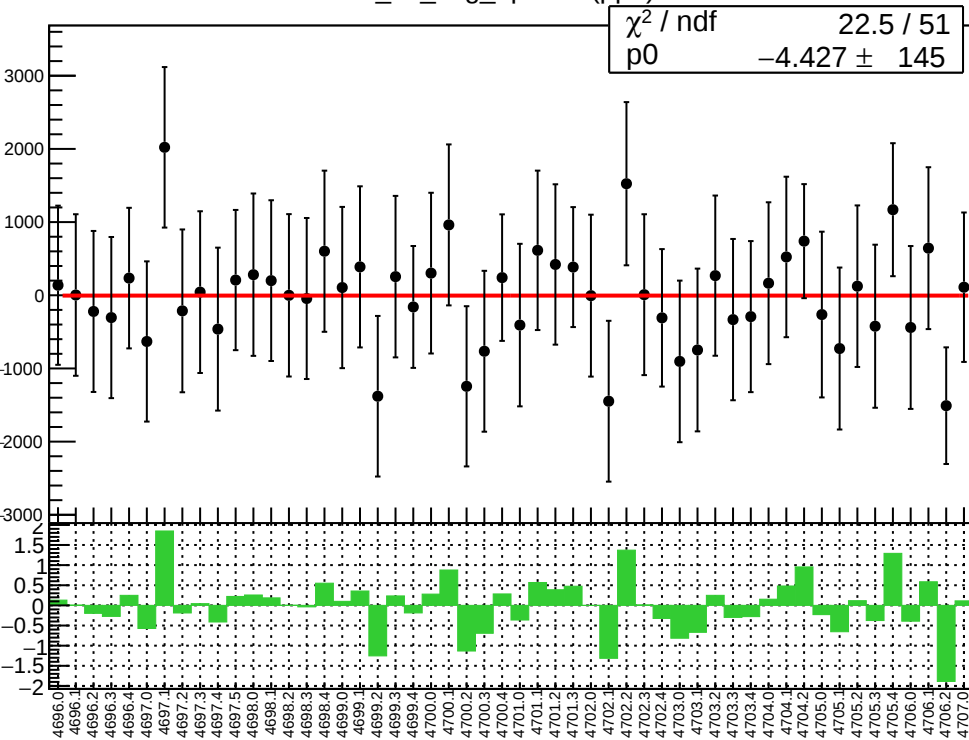
1D pull distribution



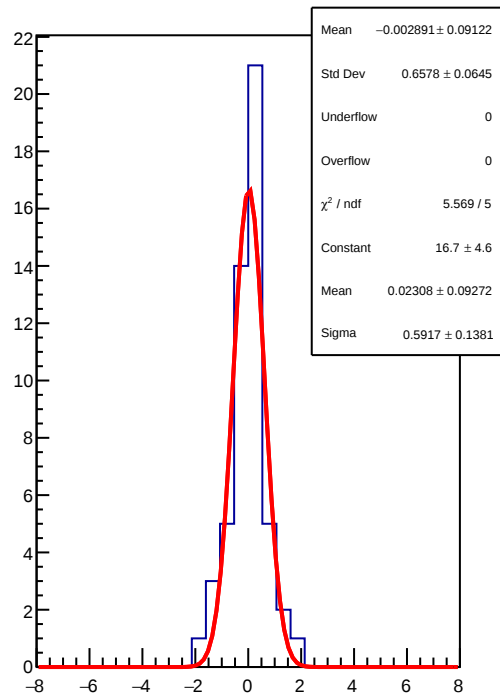
corr_us_avg_bpm4aY RMS (ppm)



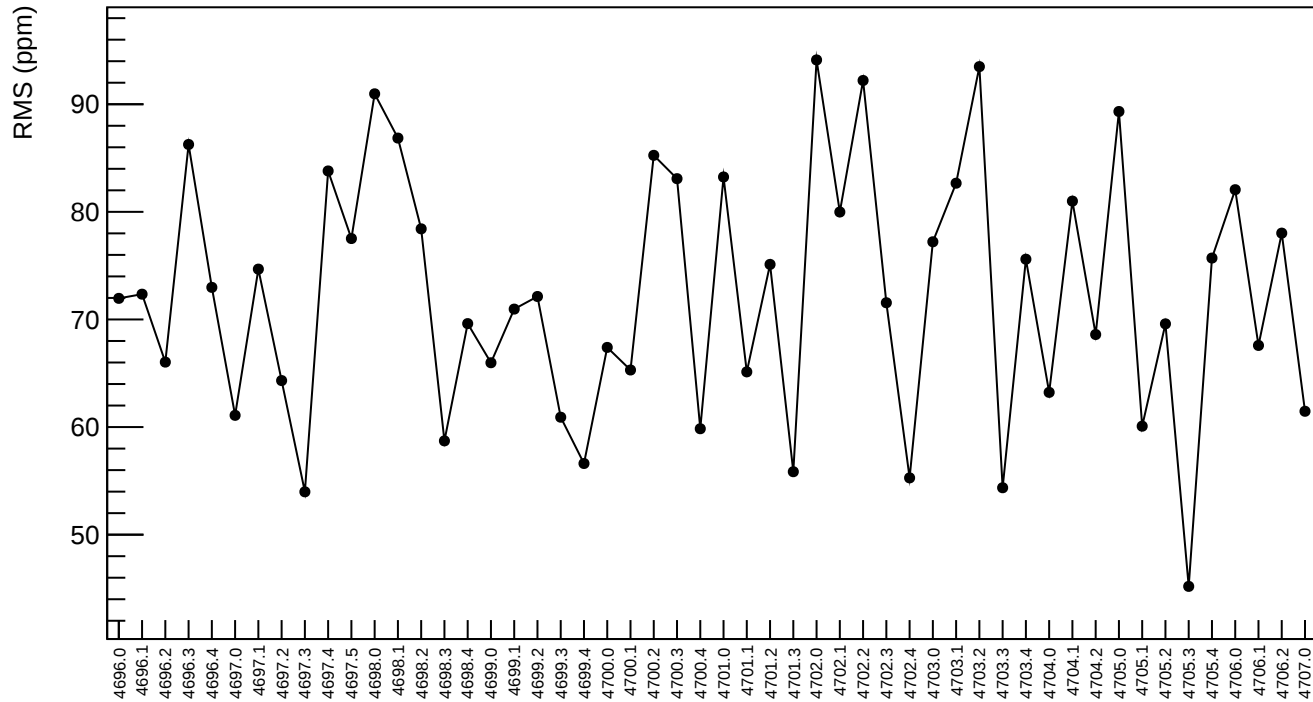
corr_us_avg_bpm1X (ppb)



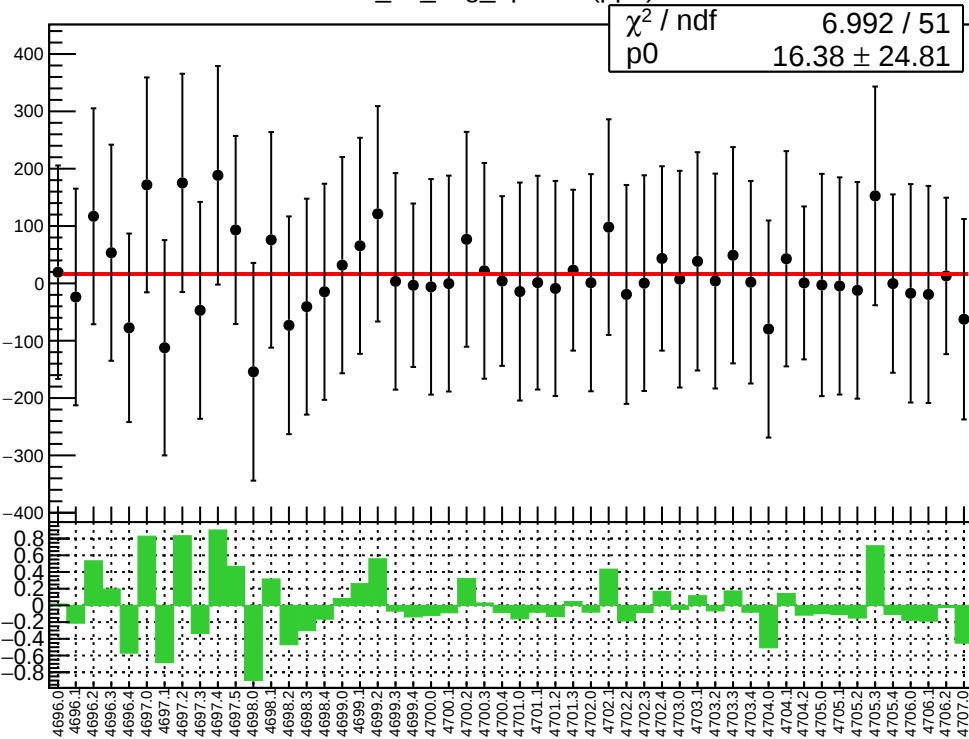
1D pull distribution



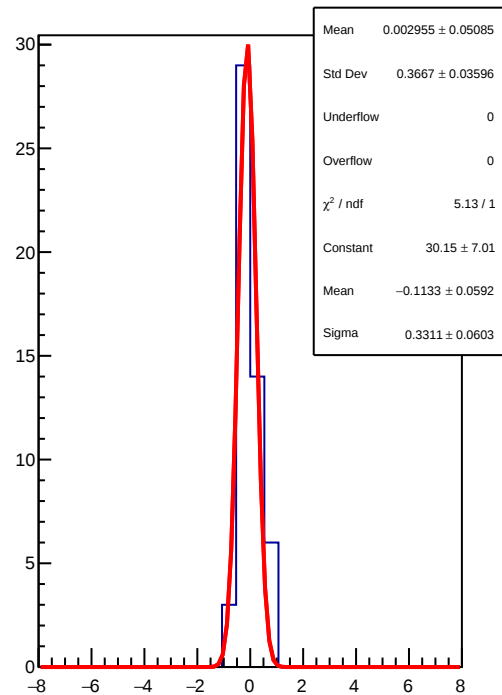
corr_us_avg_bpm1X RMS (ppm)



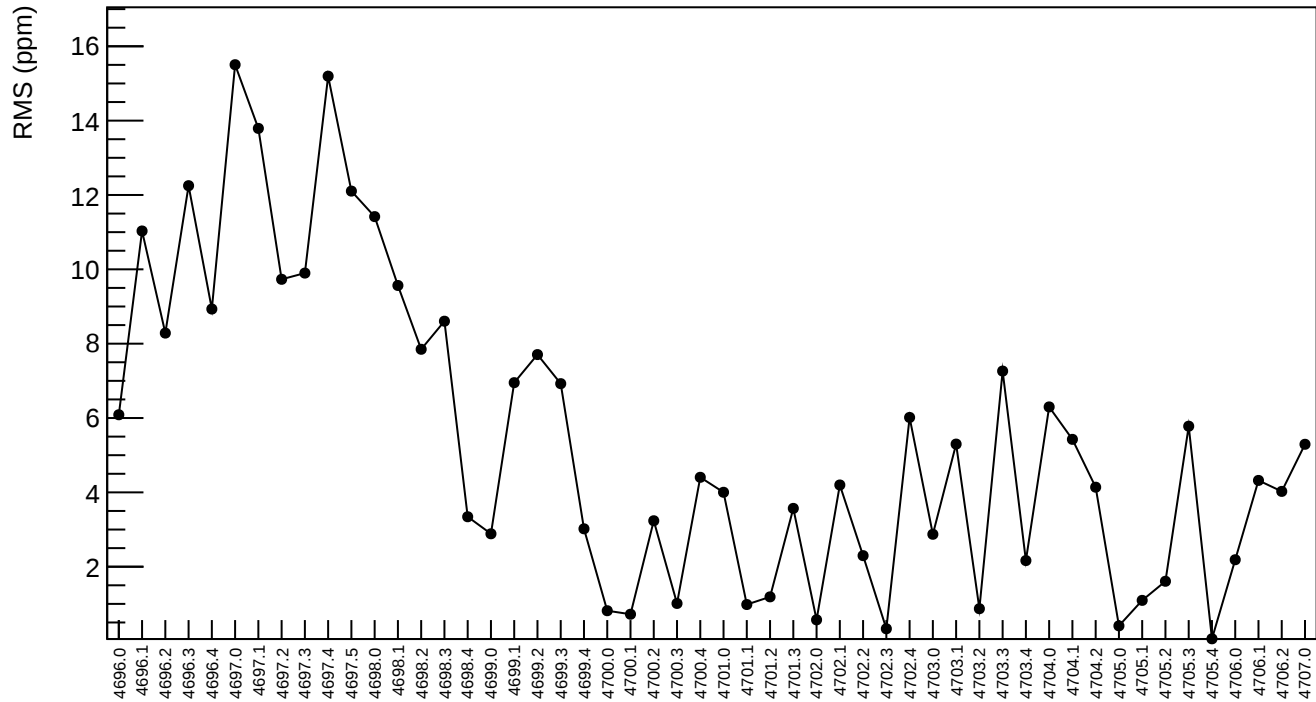
corr_us_avg_bpm1Y (ppb)



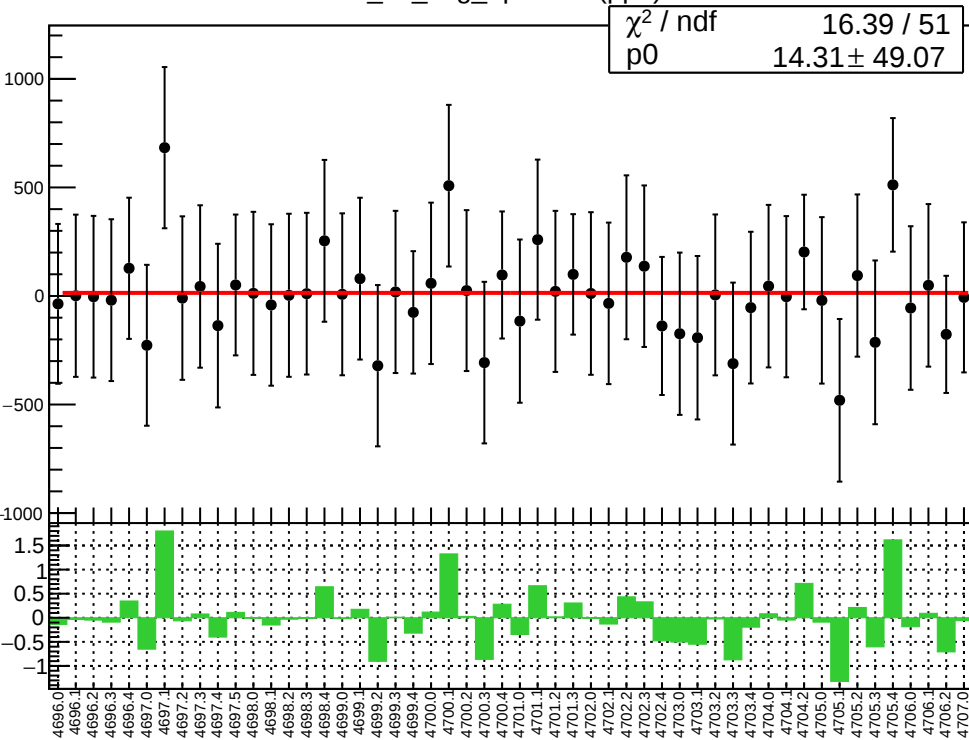
1D pull distribution



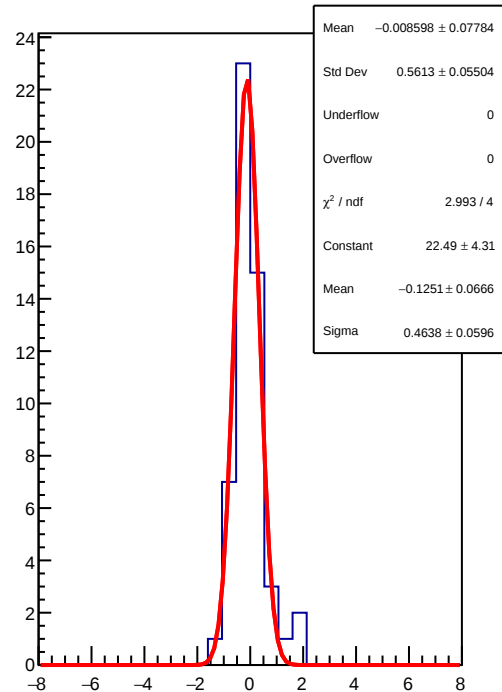
corr_us_avg_bpm1Y RMS (ppm)



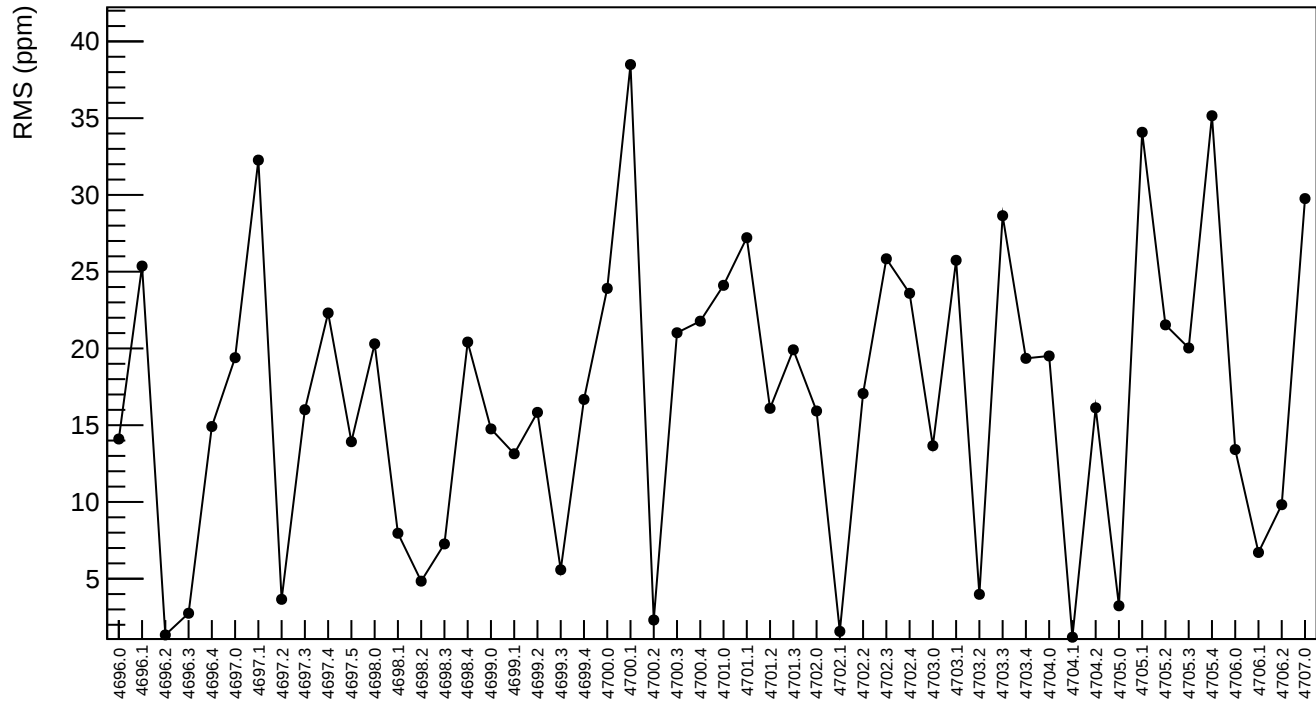
corr_us_avg_bpm16X (ppb)



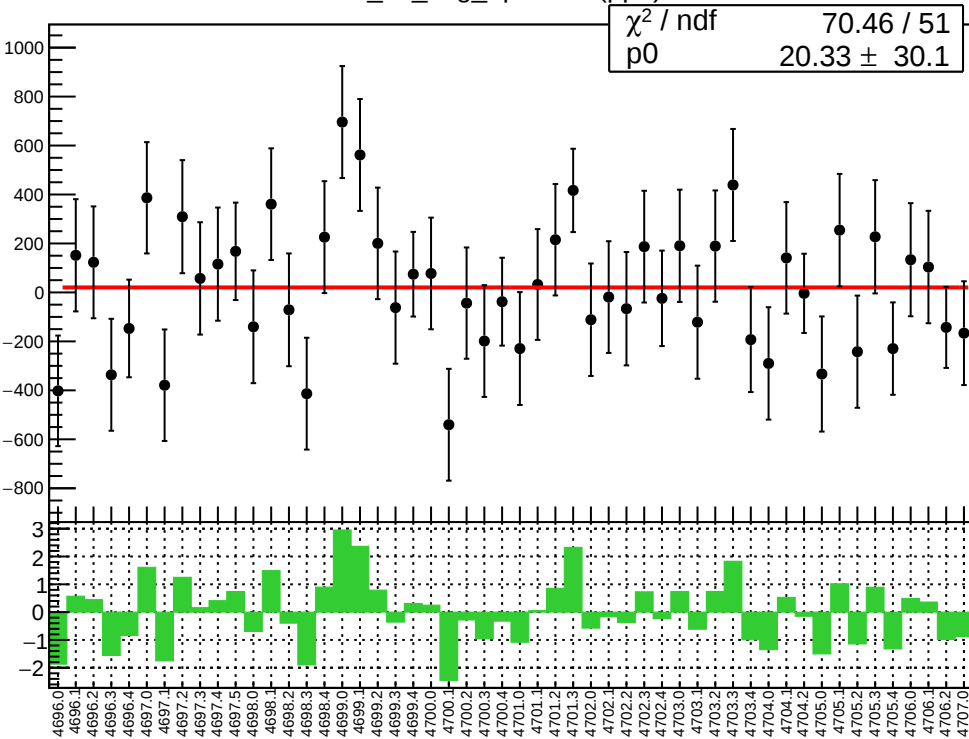
1D pull distribution



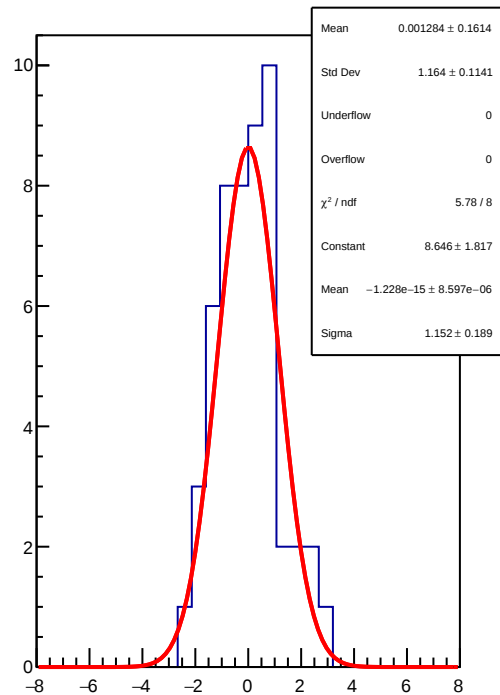
corr_us_avg_bpm16X RMS (ppm)



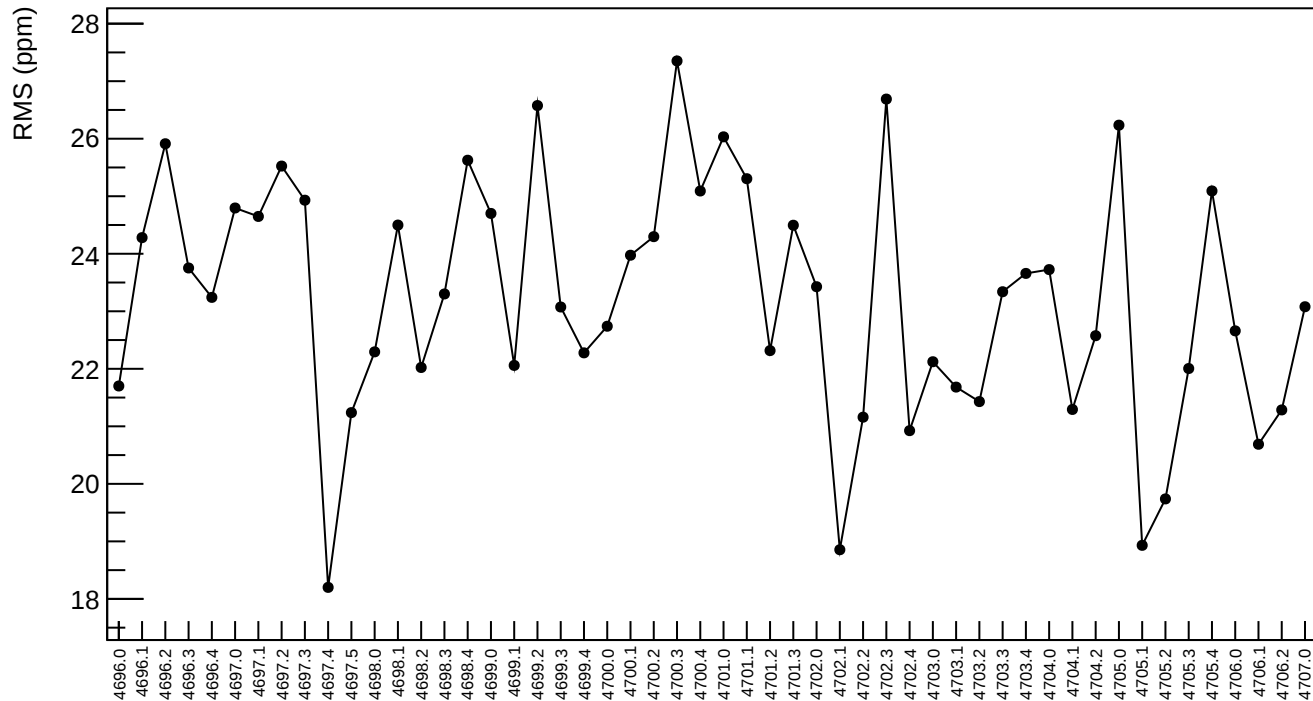
corr_us_avg_bpm16Y (ppb)



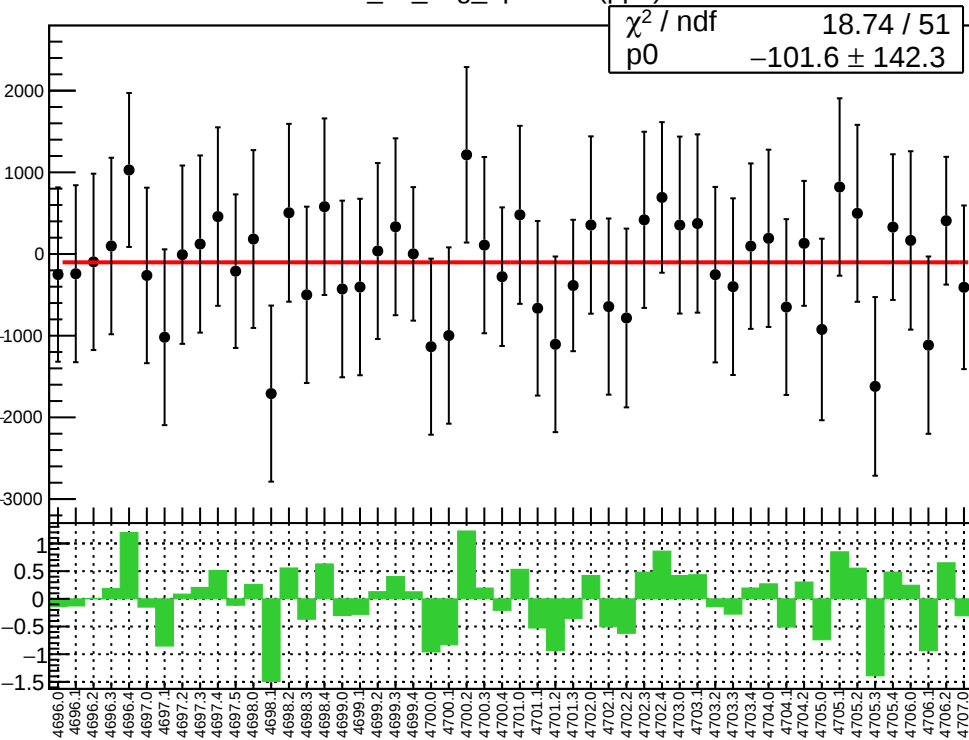
1D pull distribution



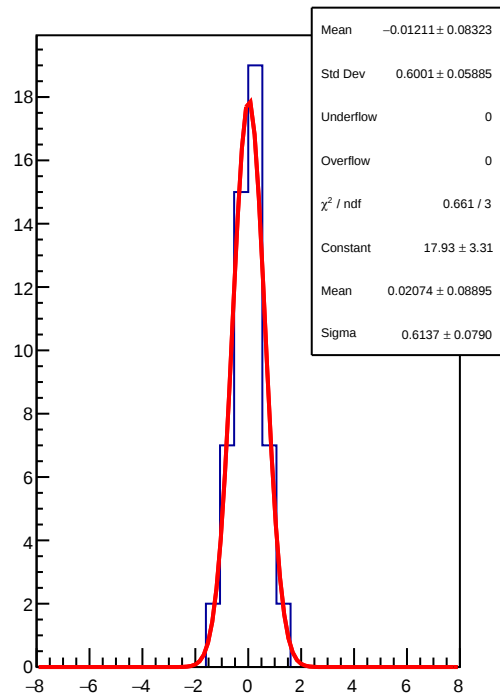
corr_us_avg_bpm16Y RMS (ppm)



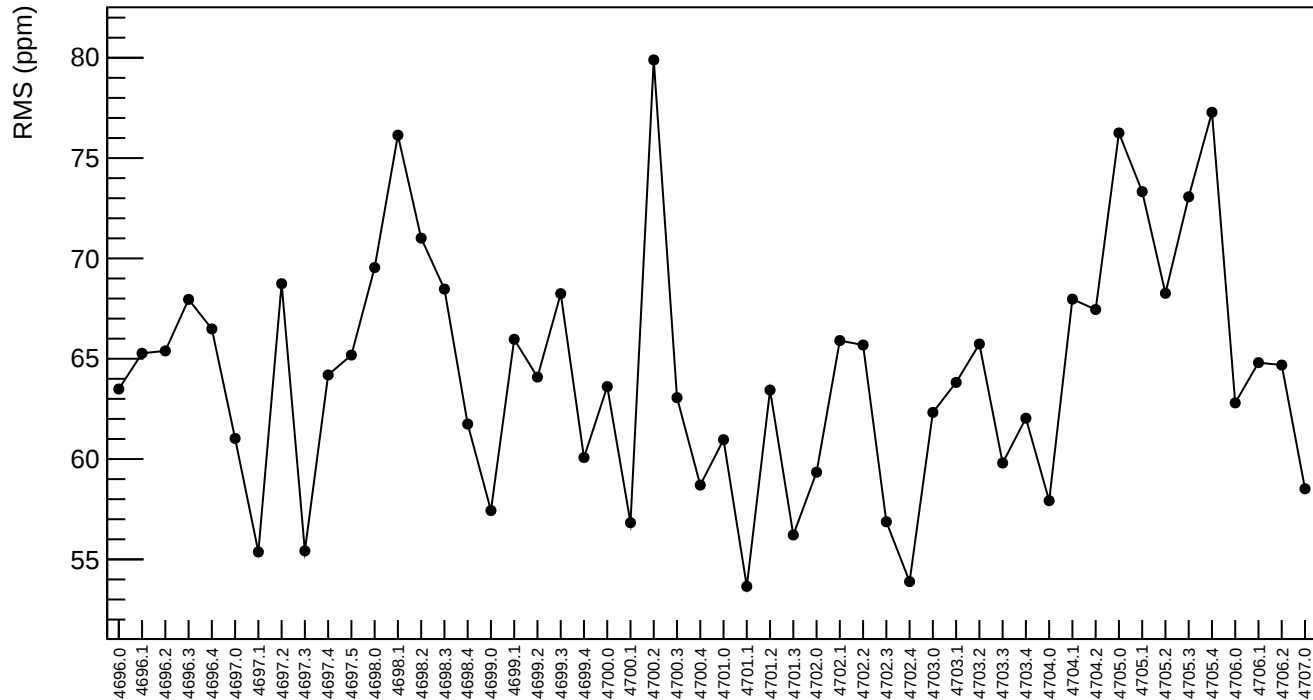
corr_us_avg_bpm12X (ppb)



1D pull distribution



corr_us_avg_bpm12X RMS (ppm)

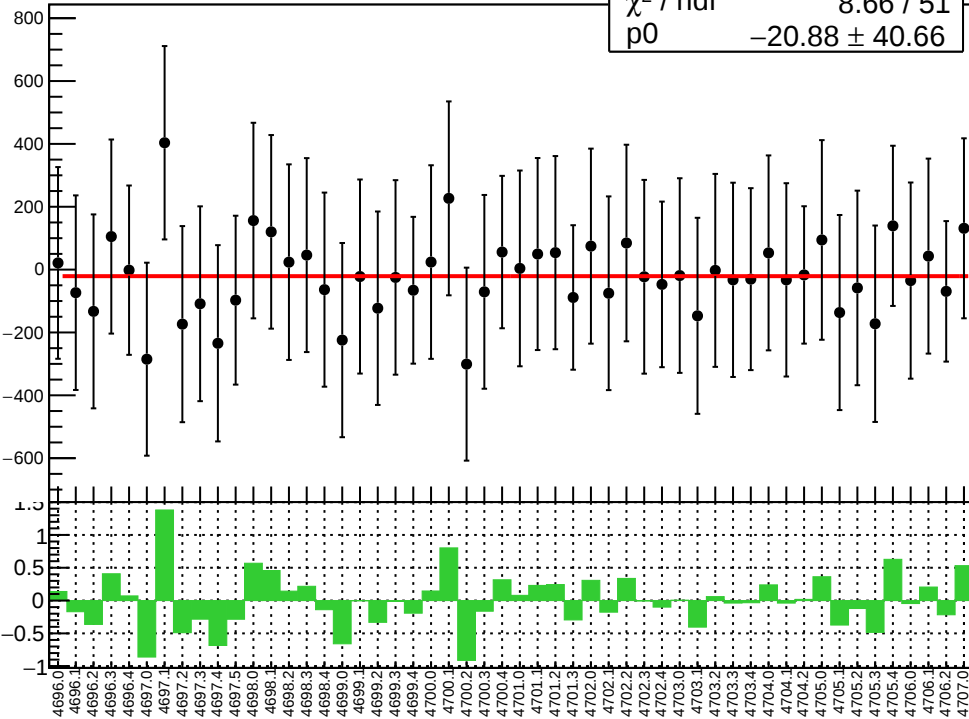


corr_us_avg_bpm12Y (ppb)

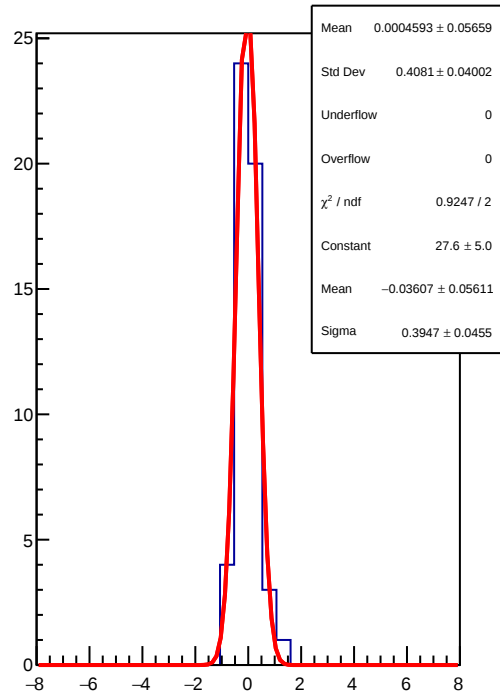
 χ^2 / nfd

8.66 / 51

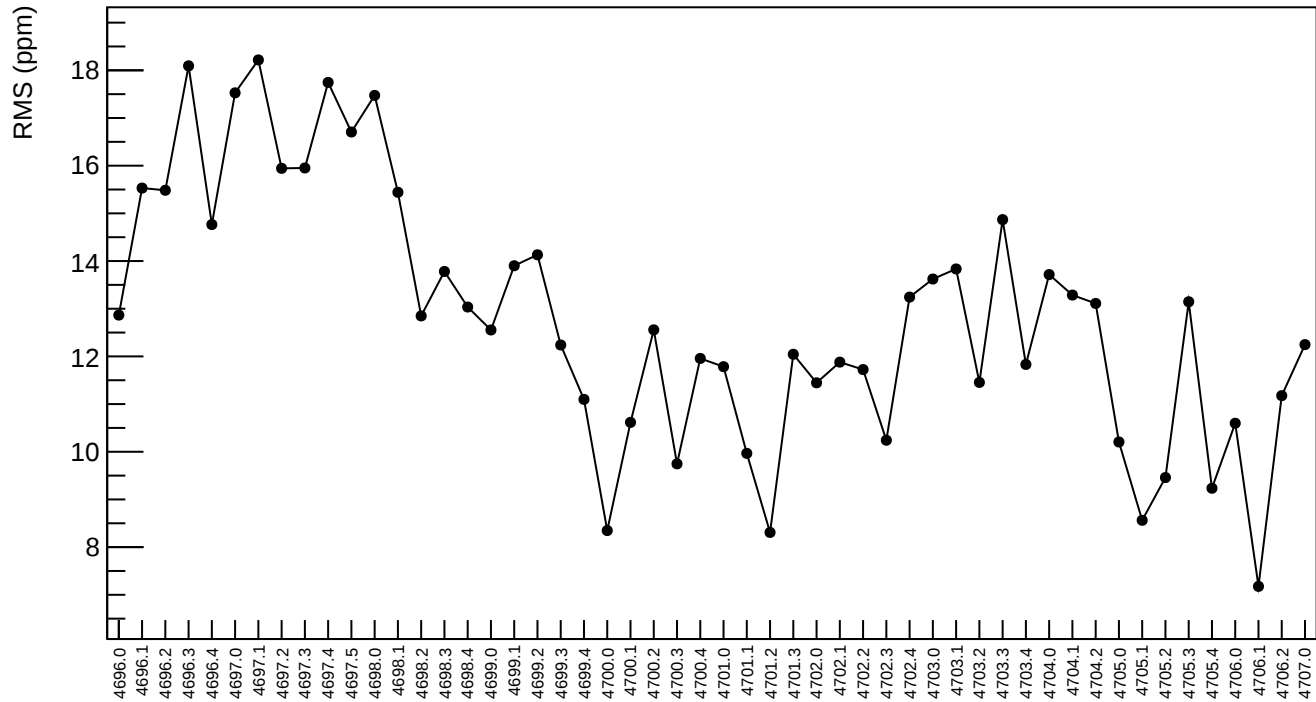
p0

 -20.88 ± 40.66 

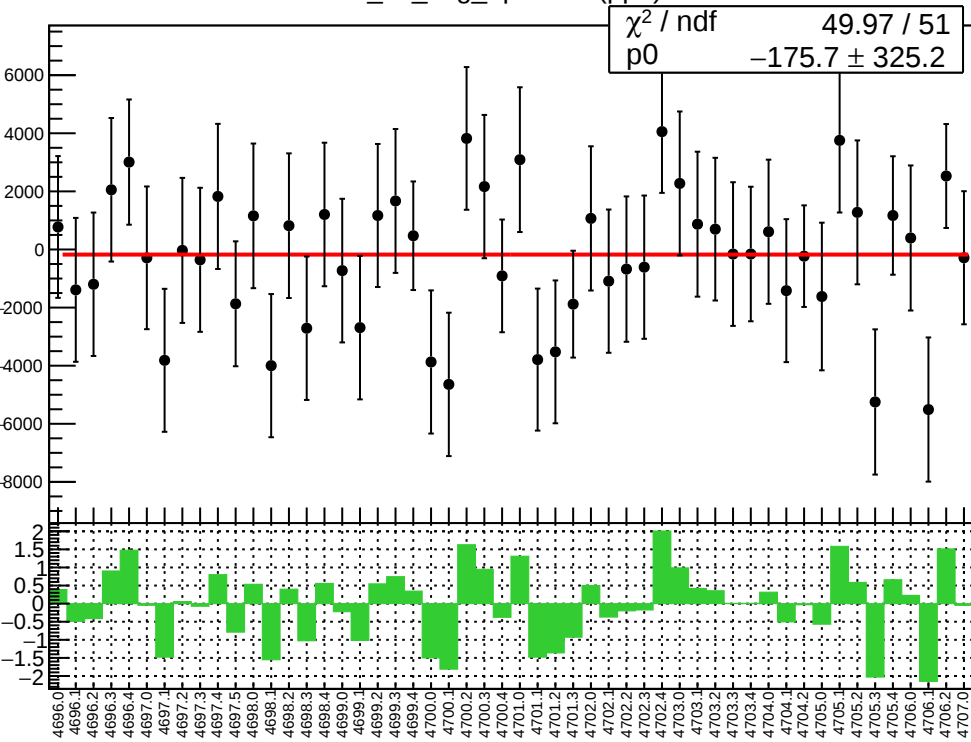
1D pull distribution



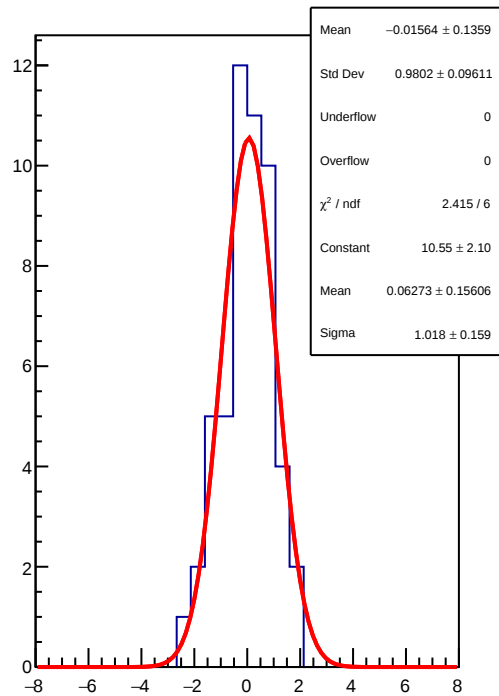
corr_us_avg_bpm12Y RMS (ppm)



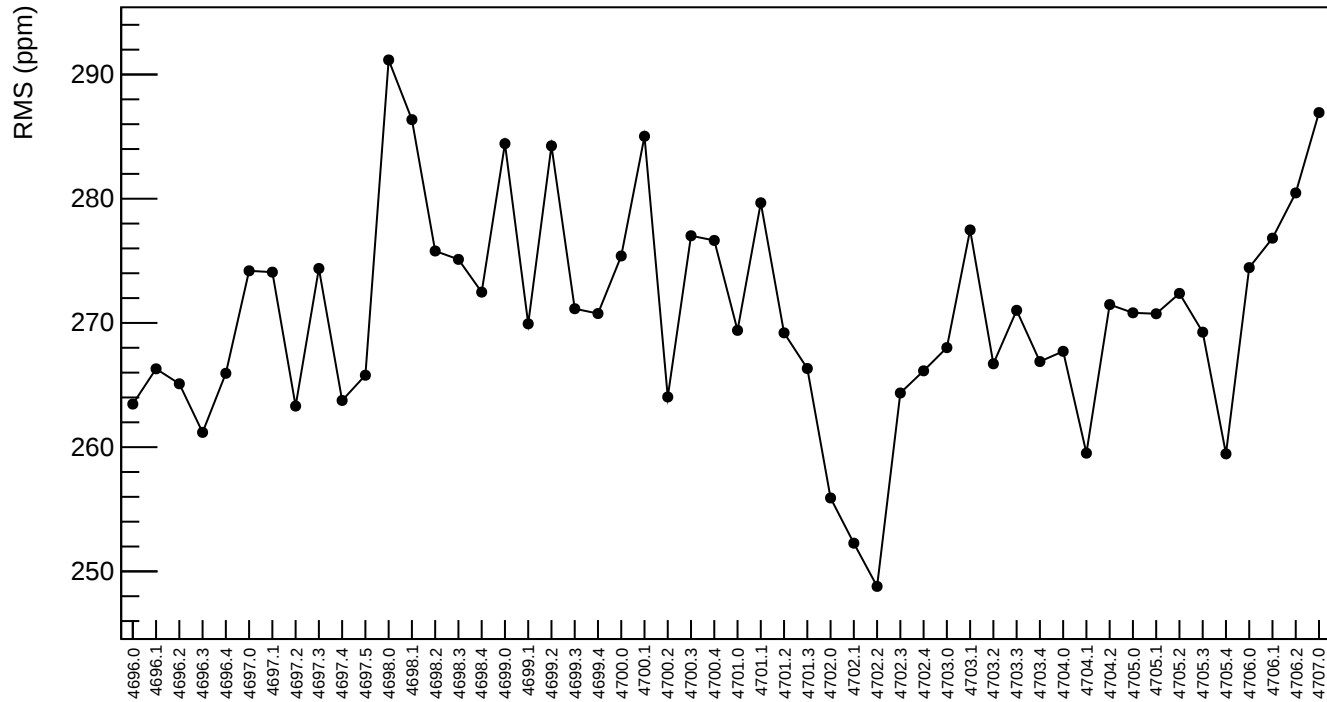
corr_us_avg_bpm11X (ppb)



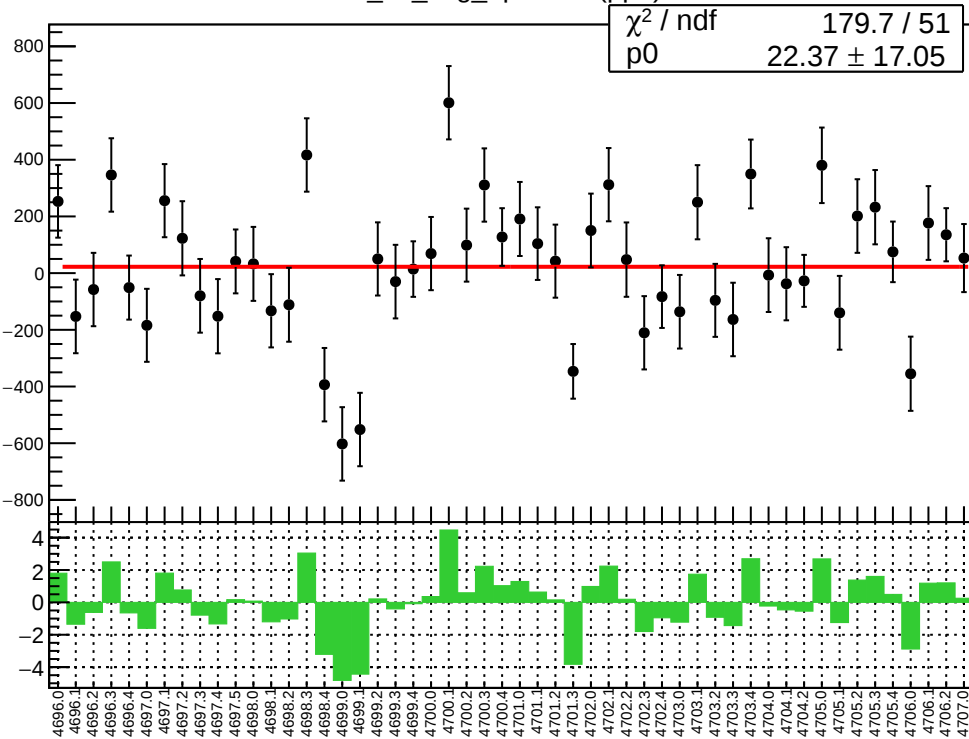
1D pull distribution



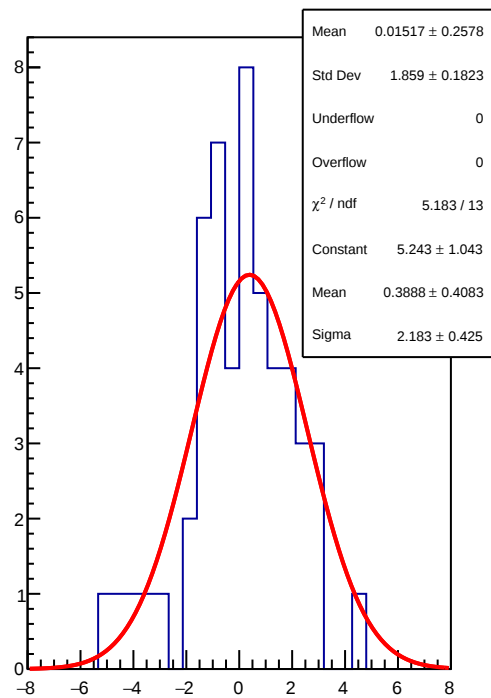
corr_us_avg_bpm11X RMS (ppm)



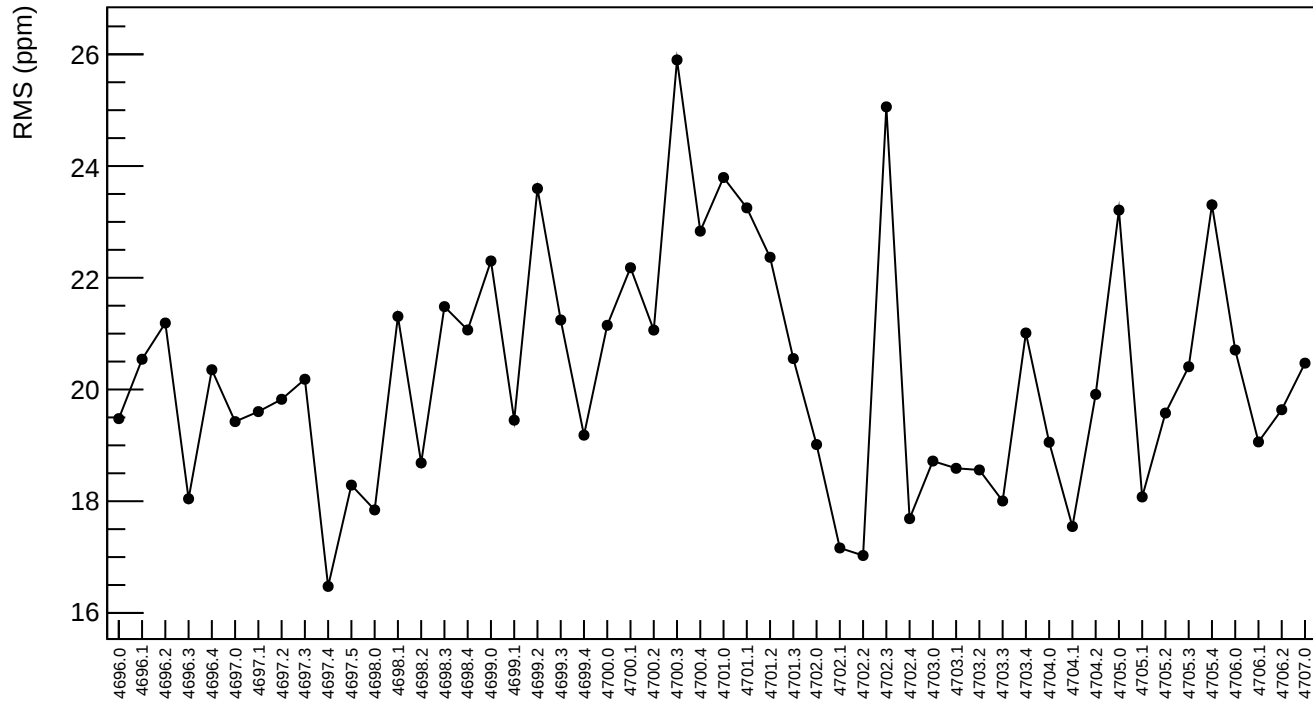
corr_us_avg_bpm11Y (ppb)



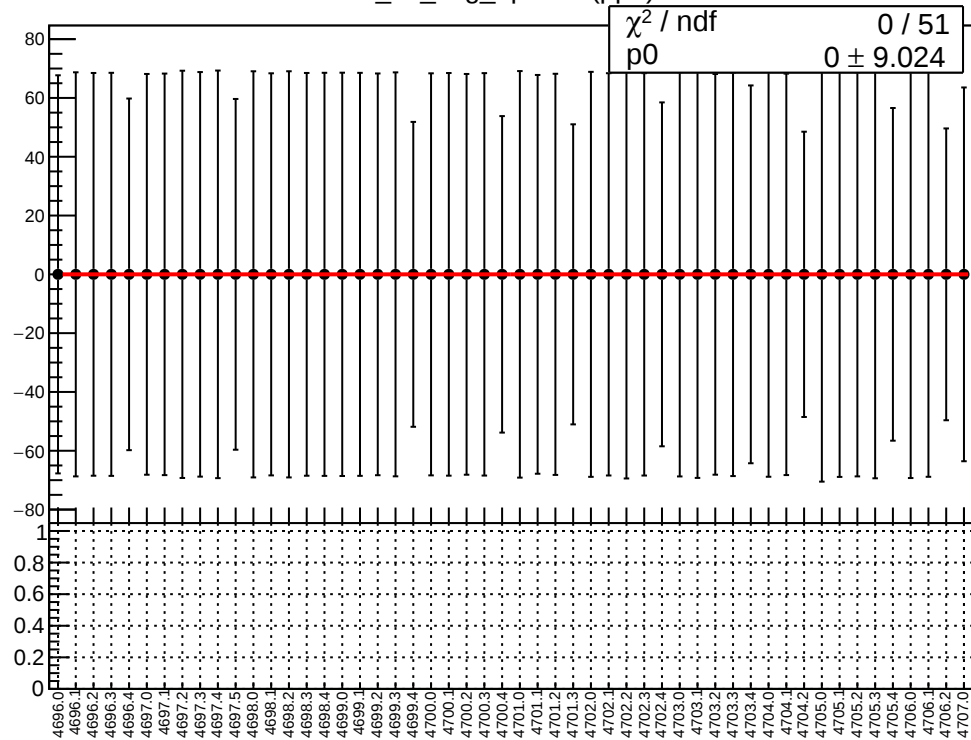
1D pull distribution



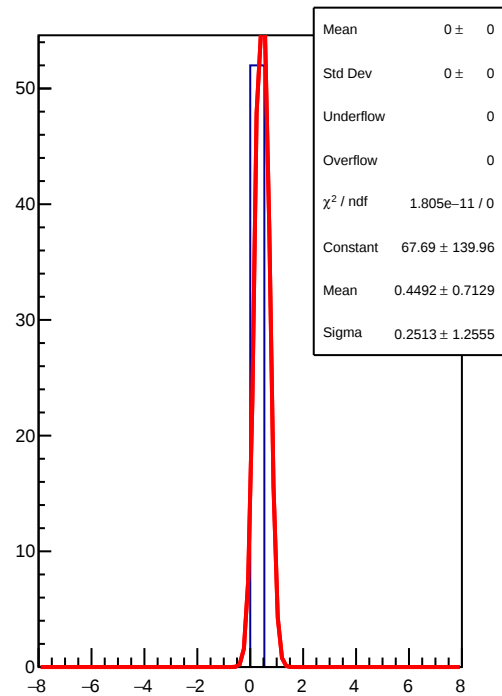
corr_us_avg_bpm11Y RMS (ppm)



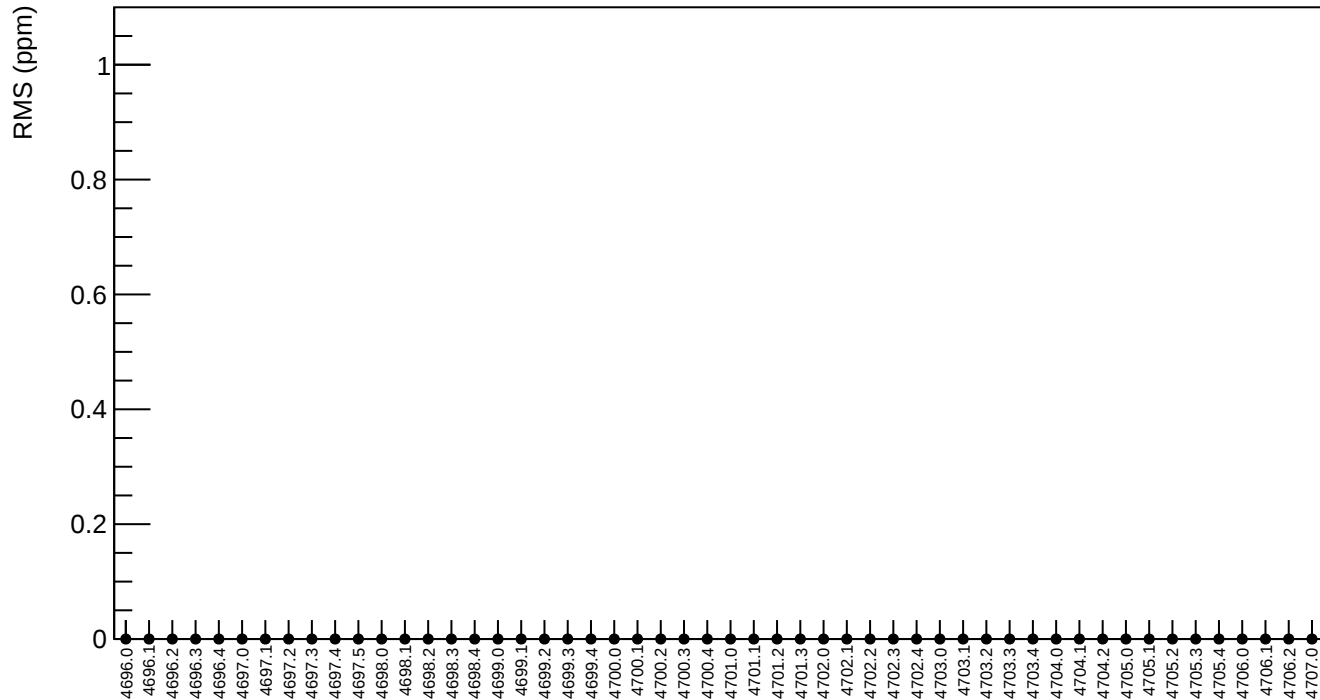
corr_us_avg_bpm8X (ppb)



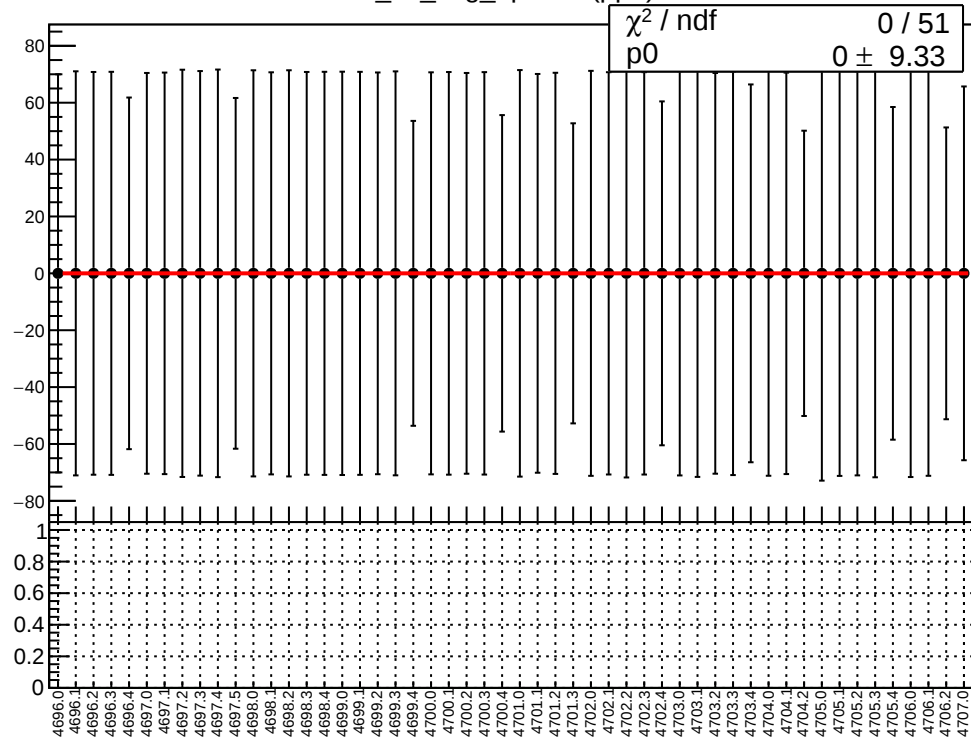
1D pull distribution



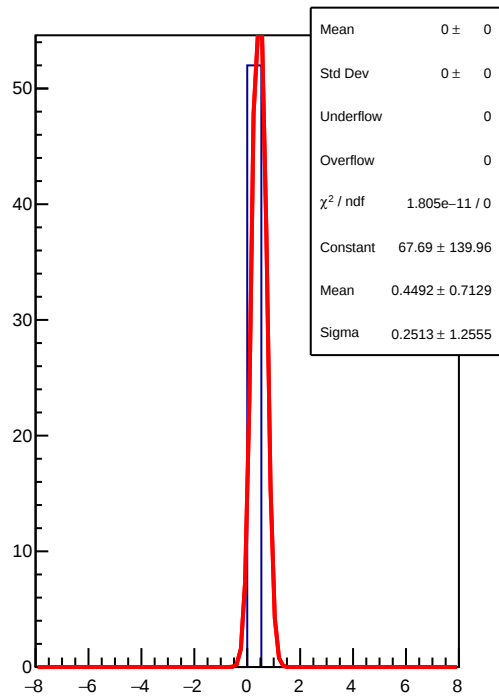
corr_us_avg_bpm8X RMS (ppm)



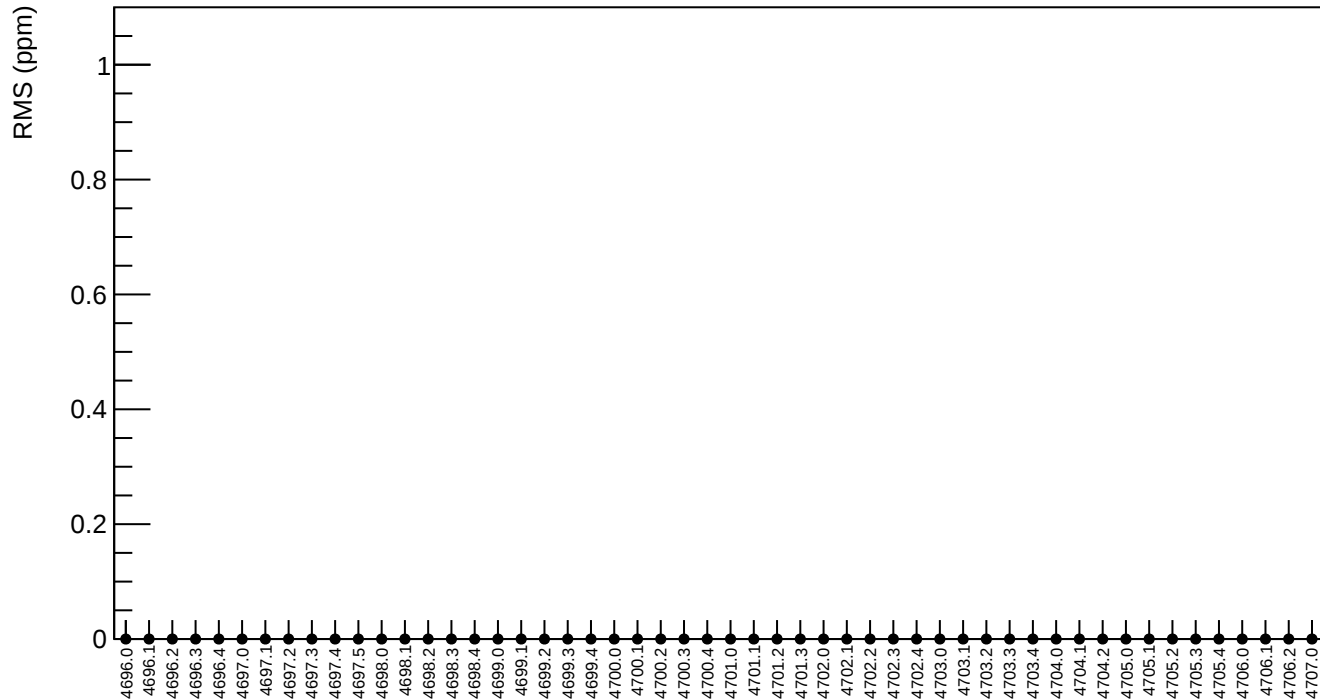
corr_us_avg_bpm8Y (ppb)



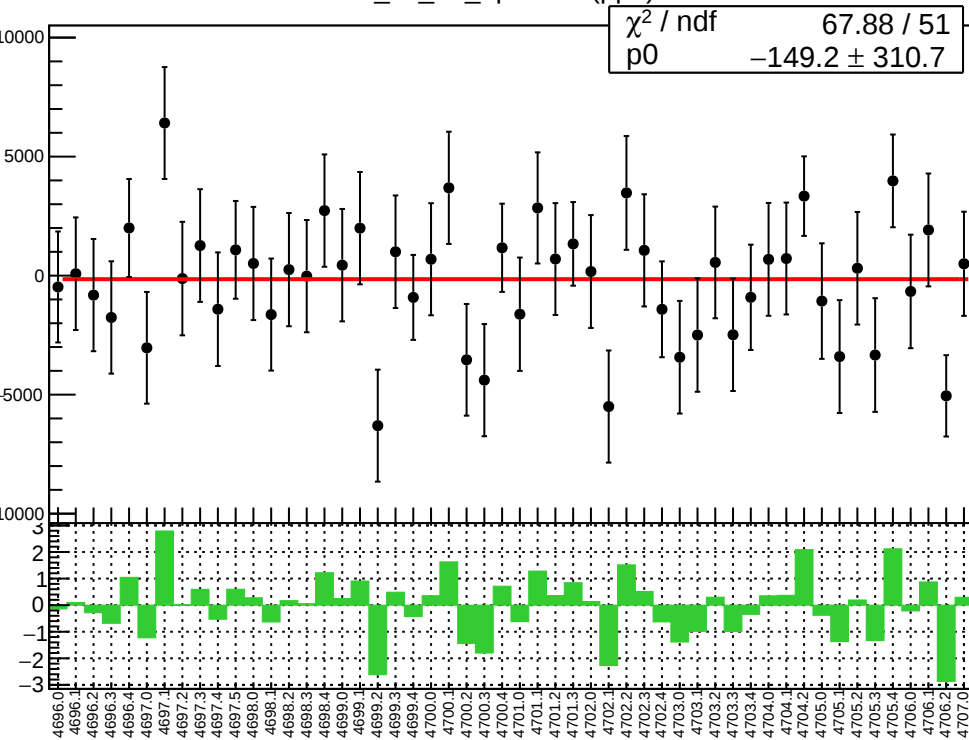
1D pull distribution



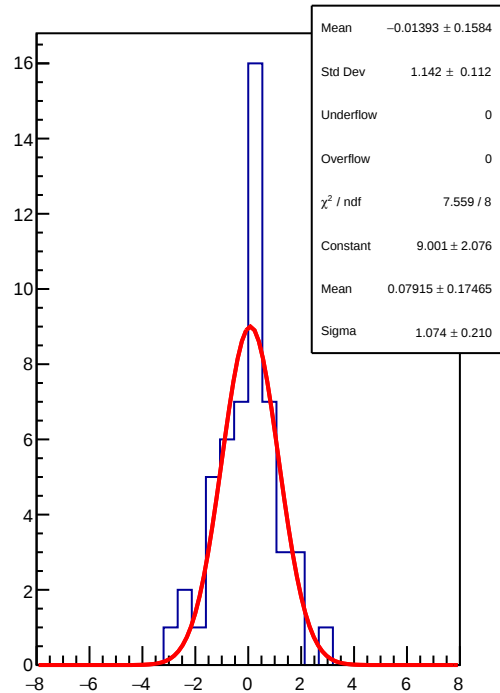
corr_us_avg_bpm8Y RMS (ppm)



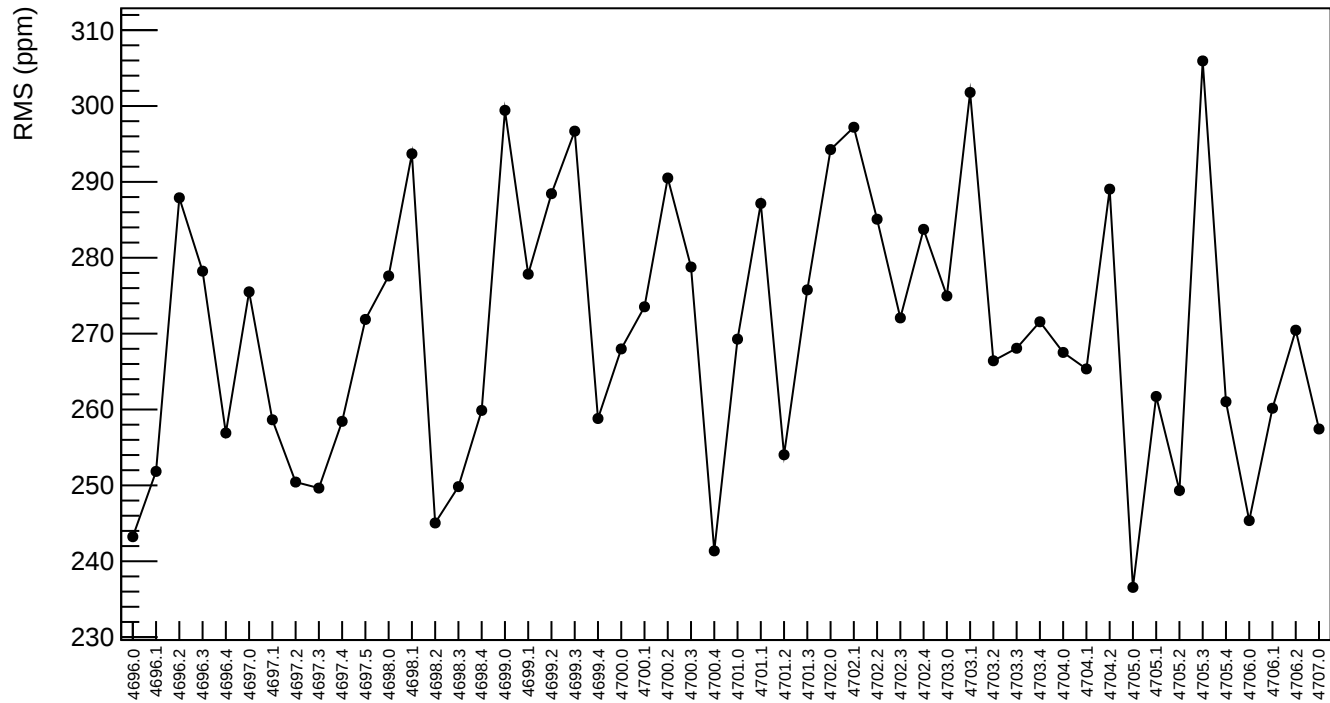
corr_us_dd_bpm4eX (ppb)



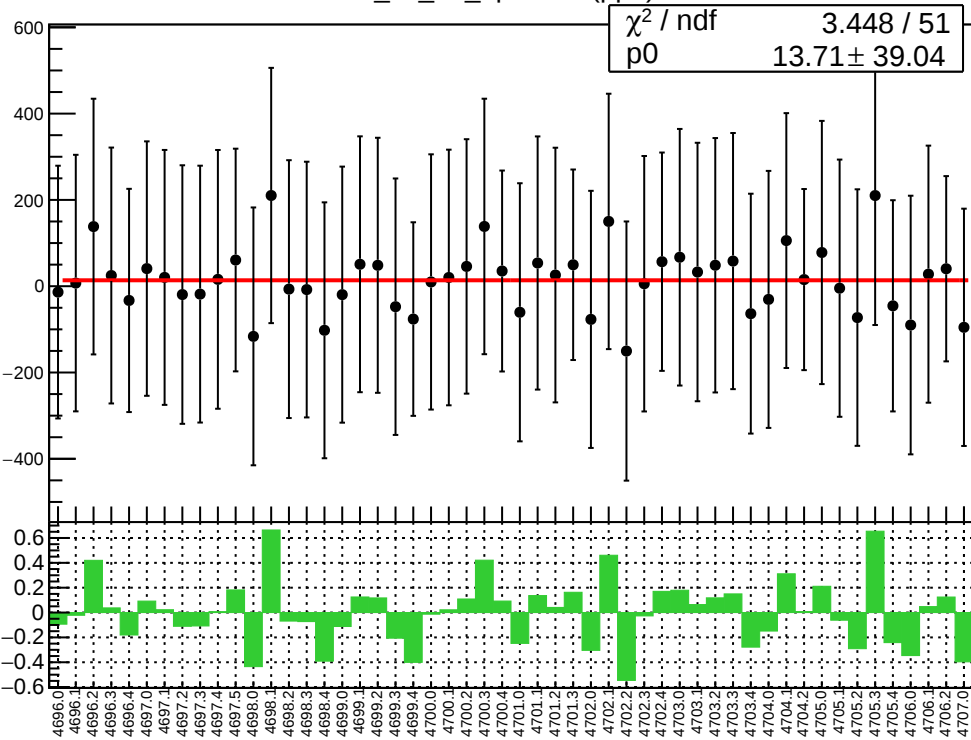
1D pull distribution



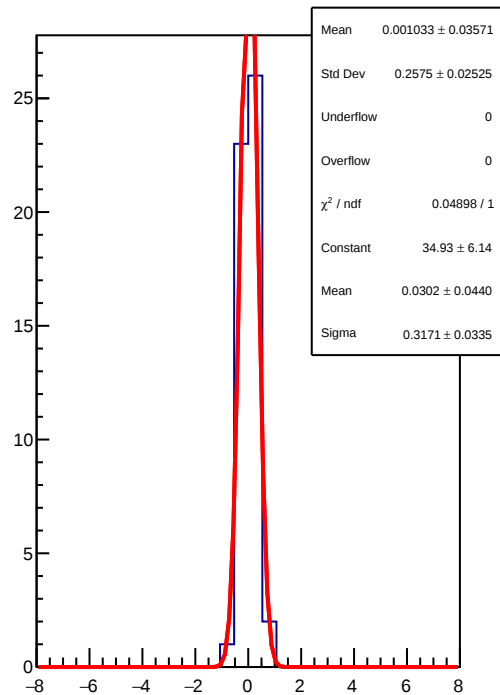
corr_us_dd_bpm4eX RMS (ppm)



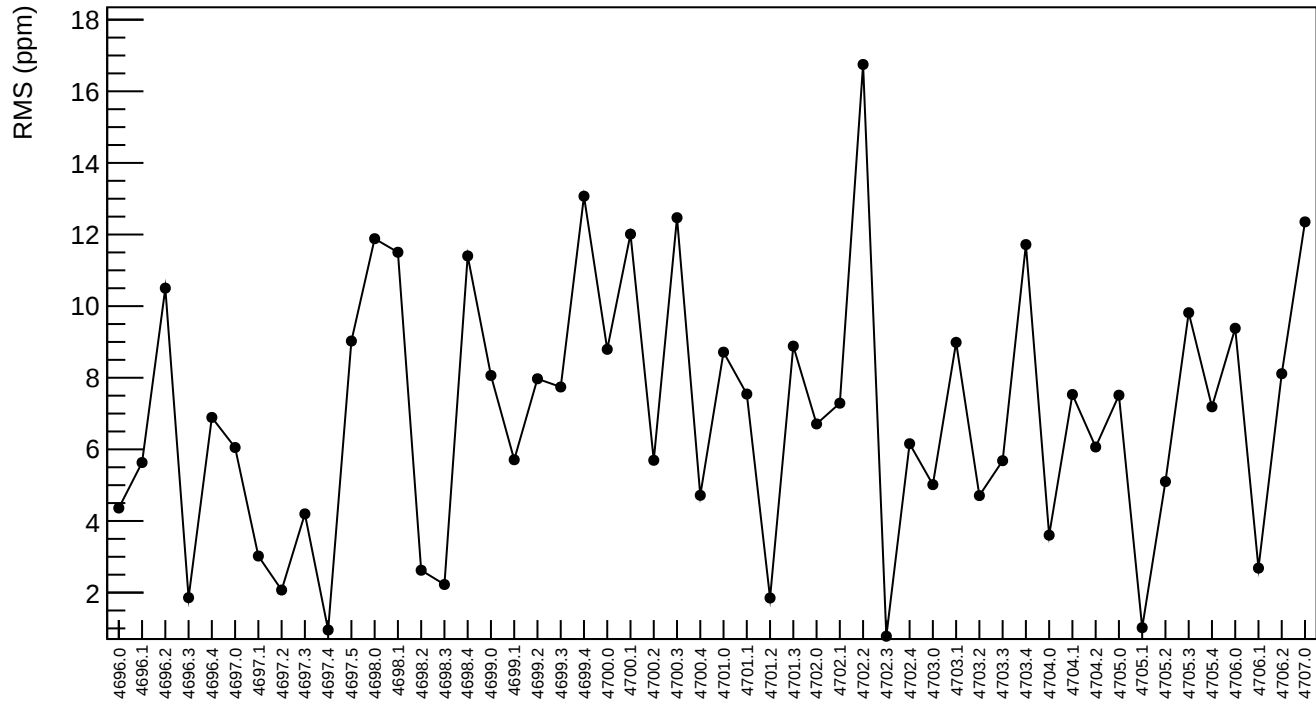
corr_us_dd_bpm4eY (ppb)



1D pull distribution



corr_us_dd_bpm4eY RMS (ppm)

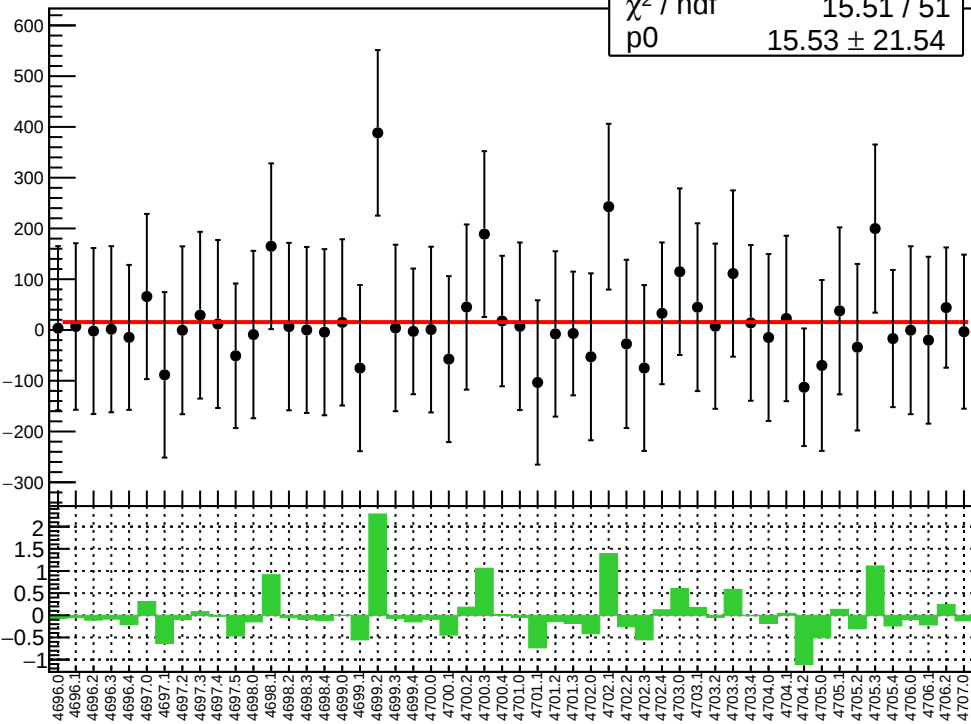


corr_us_dd_bpm4aX (ppb)

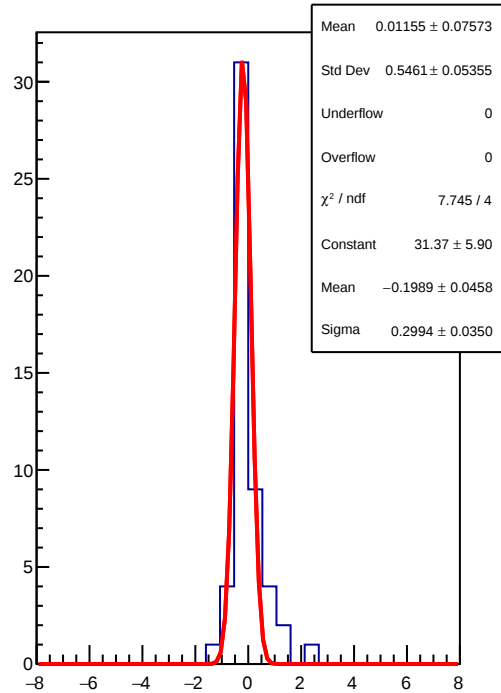
 χ^2 / nfd

15.51 / 51

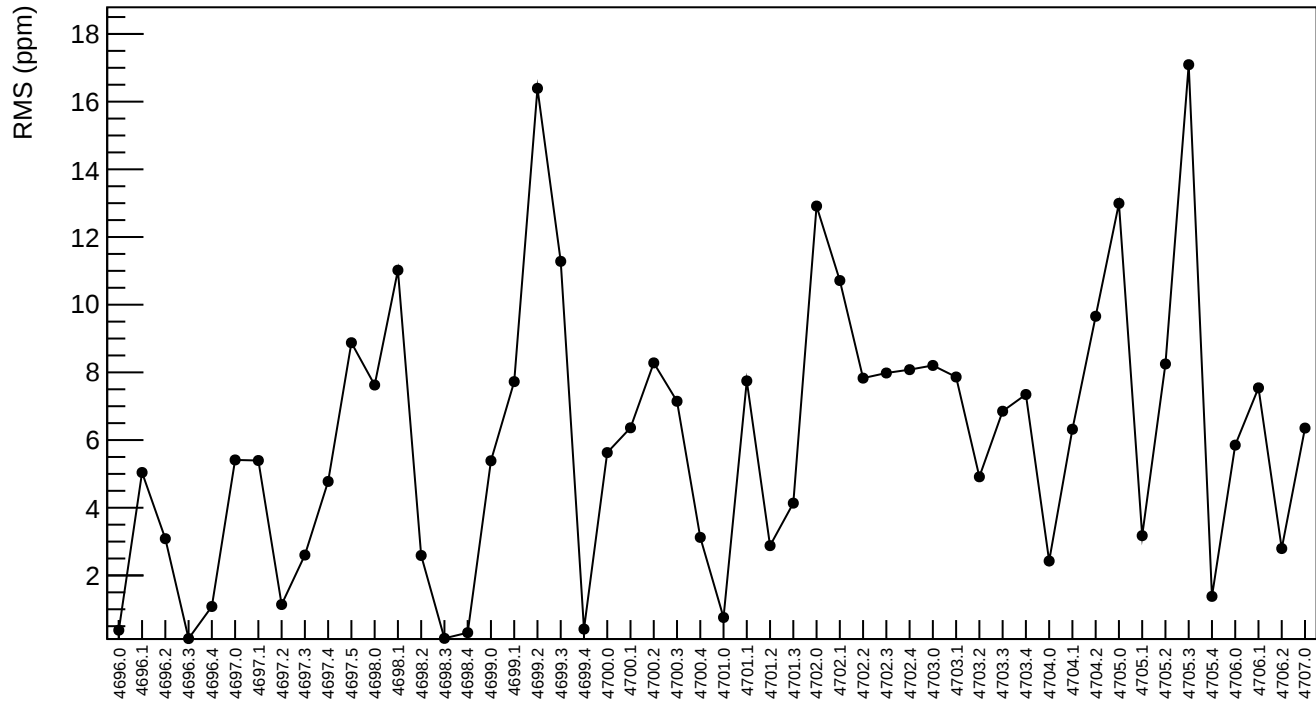
p0

 15.53 ± 21.54 

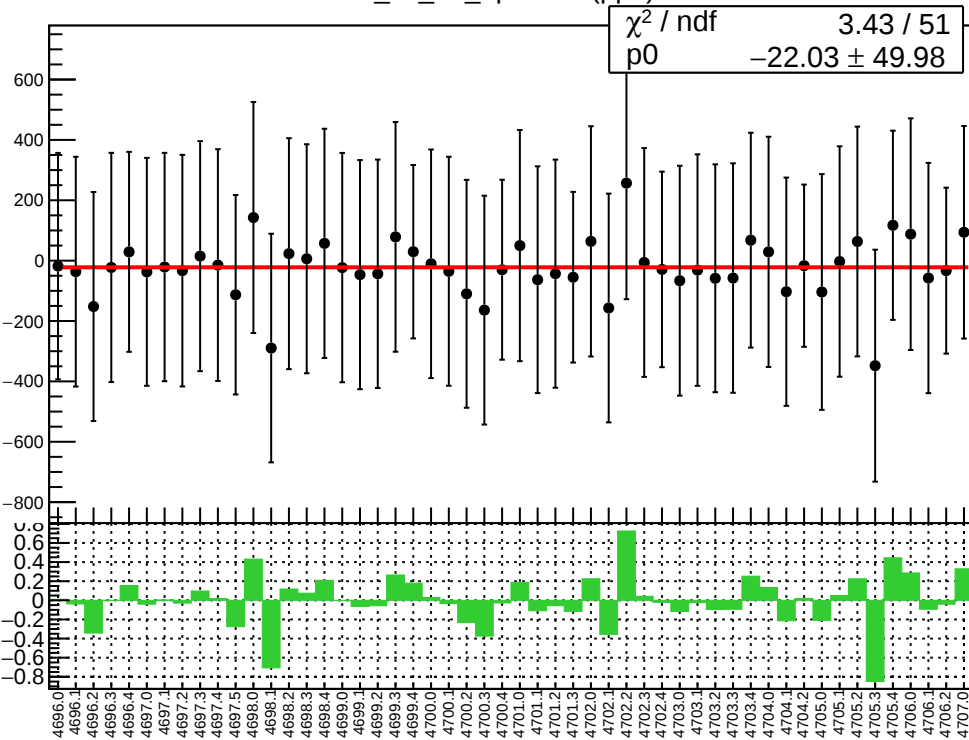
1D pull distribution



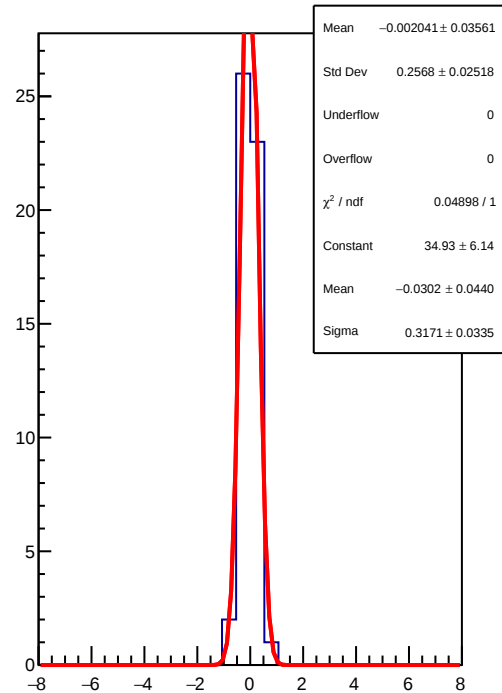
corr_us_dd_bpm4aX RMS (ppm)



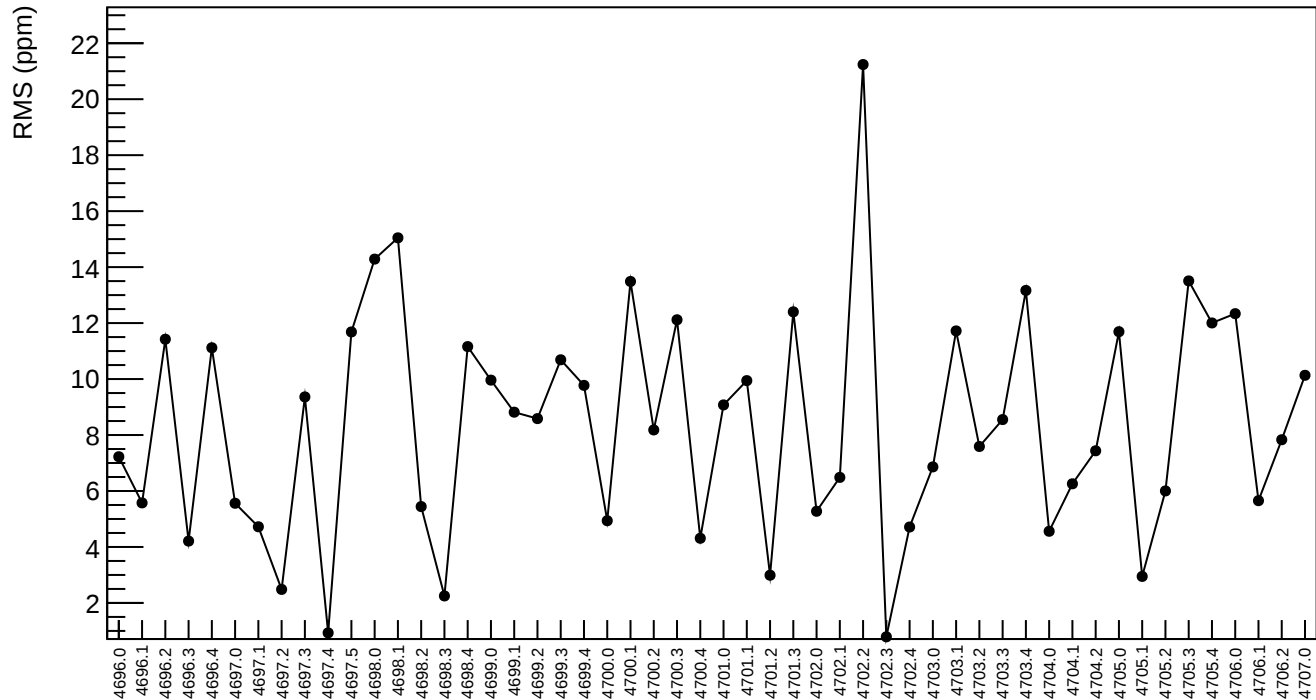
corr_us_dd_bpm4aY (ppb)



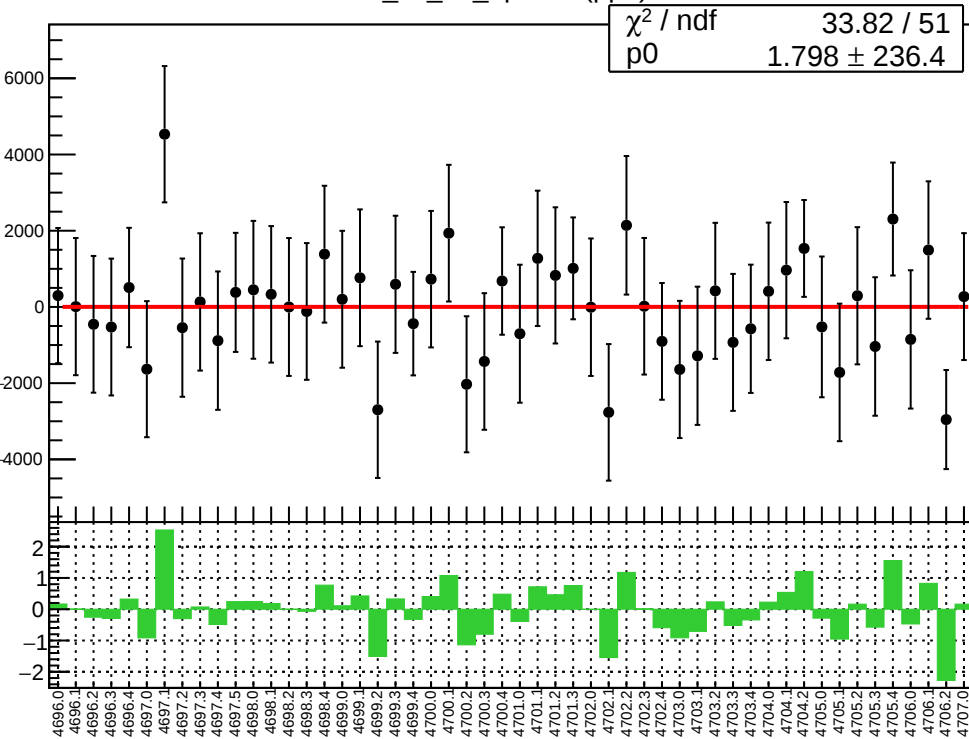
1D pull distribution



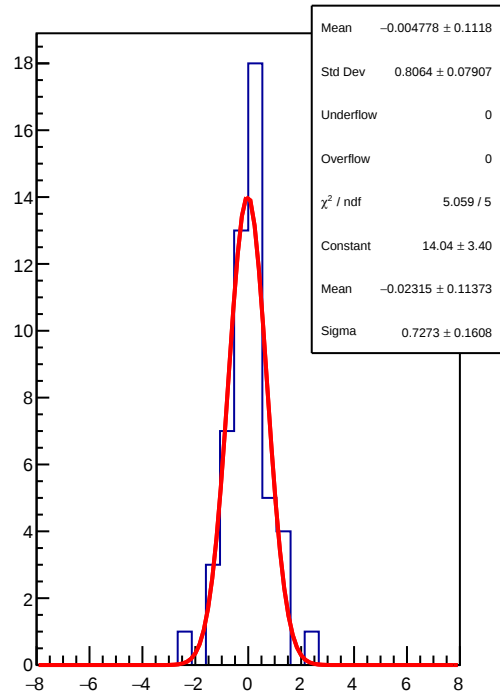
corr_us_dd_bpm4aY RMS (ppm)



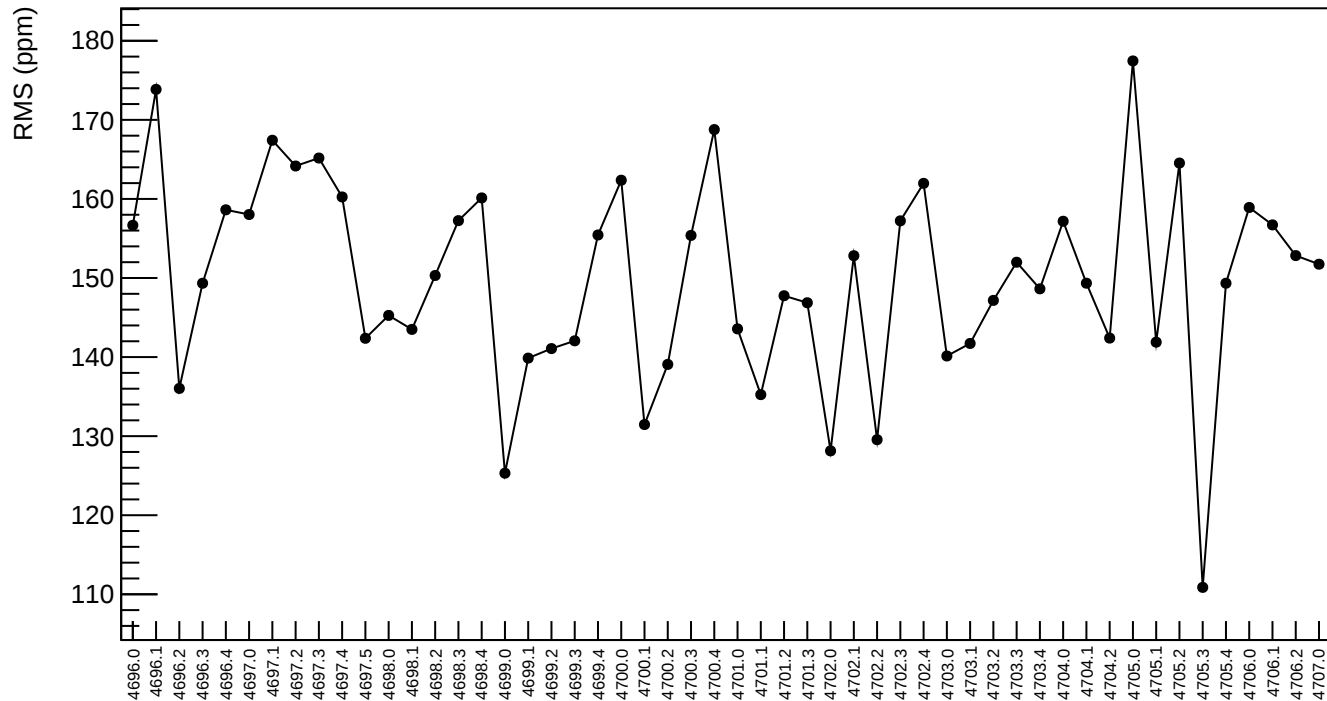
corr_us_dd_bpm1X (ppb)



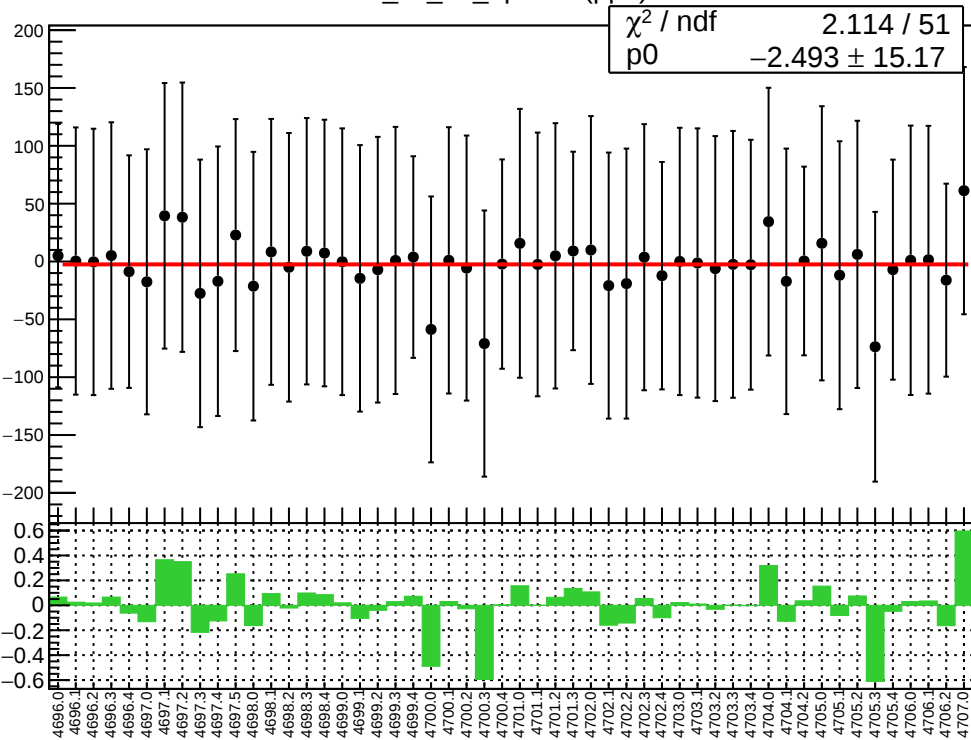
1D pull distribution



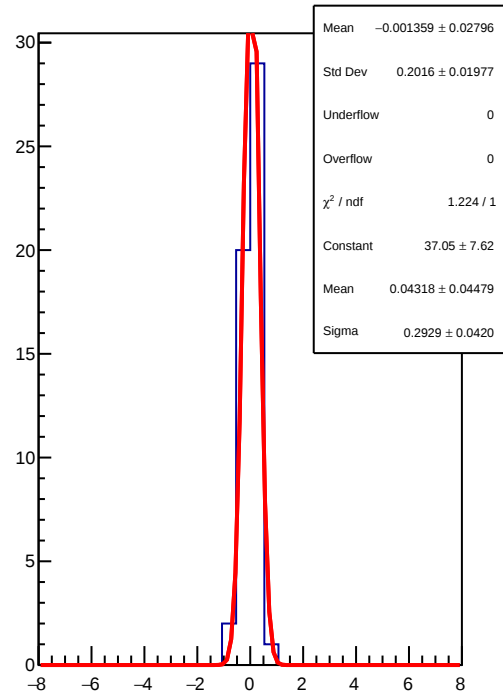
corr_us_dd_bpm1X RMS (ppm)



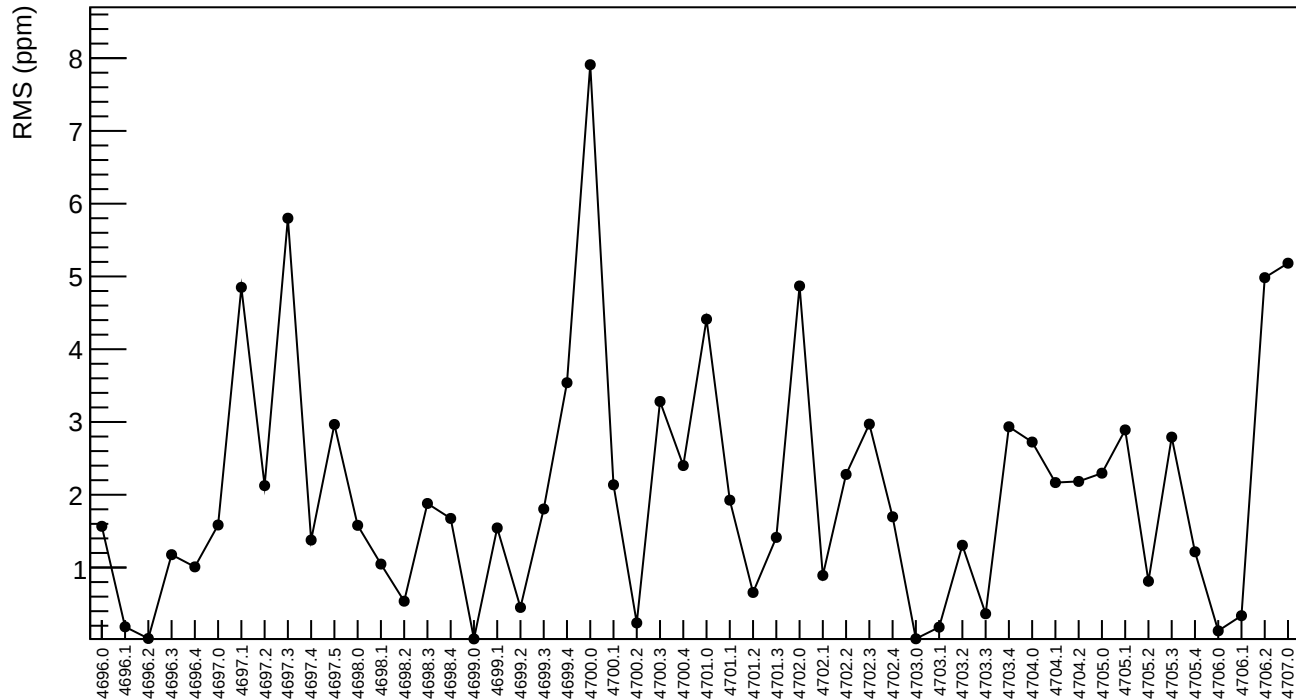
corr_us_dd_bpm1Y (ppb)



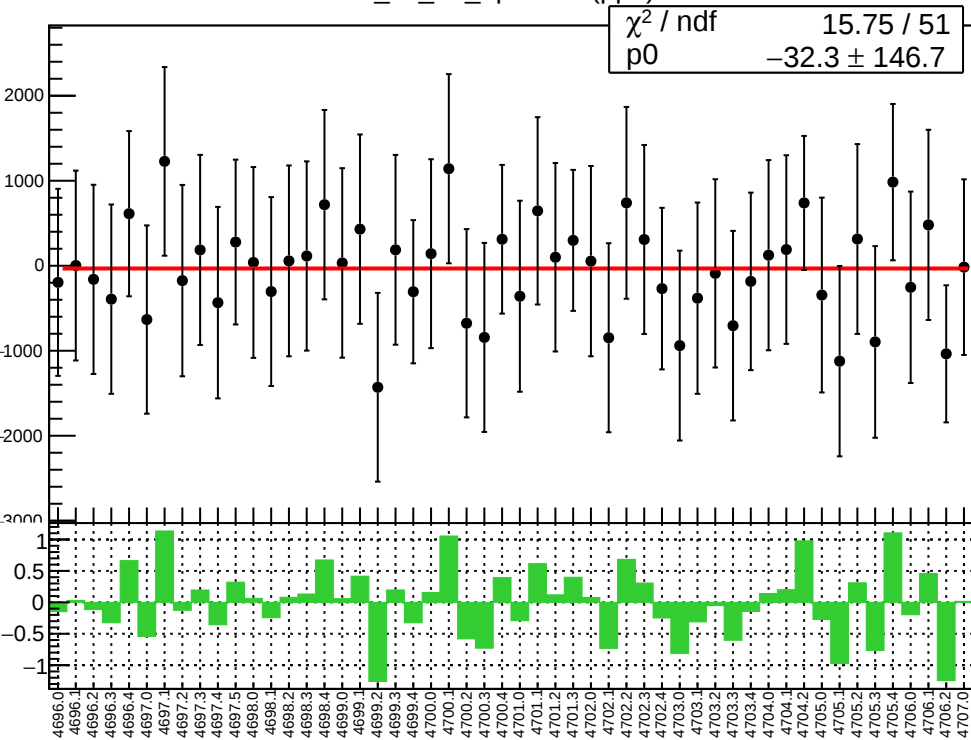
1D pull distribution



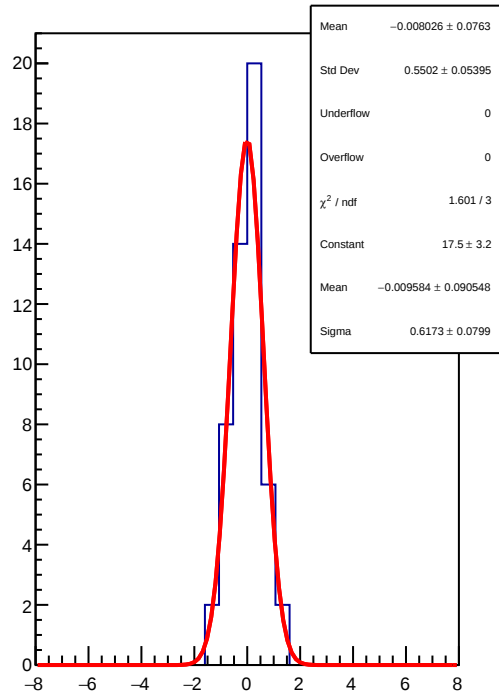
corr_us_dd_bpm1Y RMS (ppm)



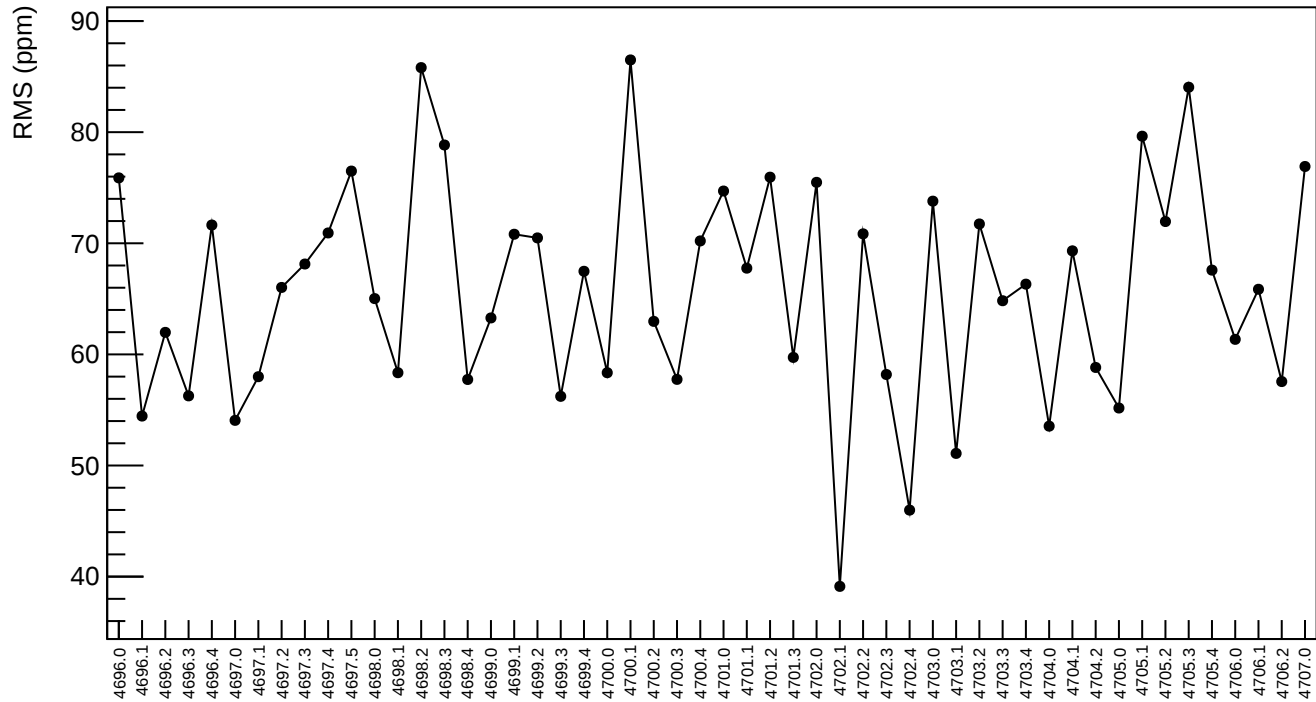
corr_us_dd_bpm16X (ppb)



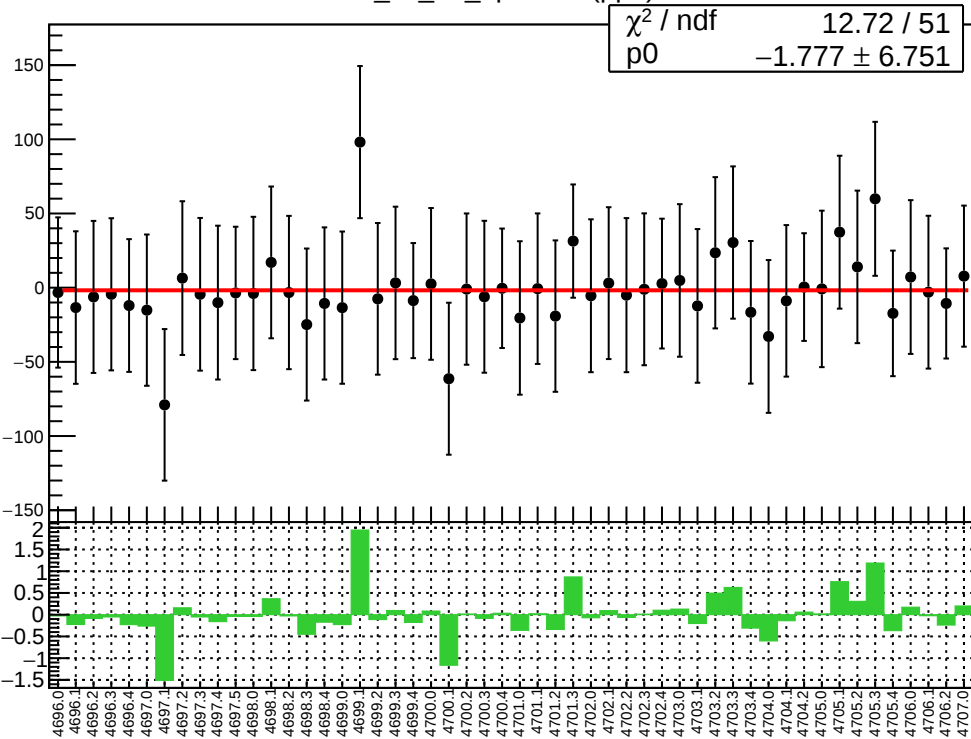
1D pull distribution



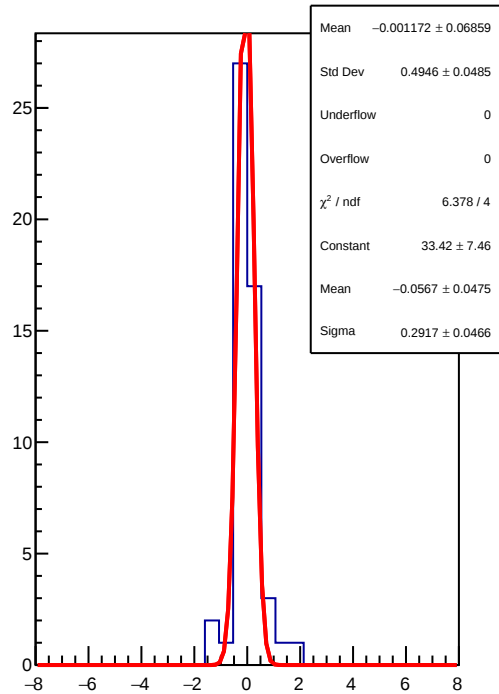
corr_us_dd_bpm16X RMS (ppm)



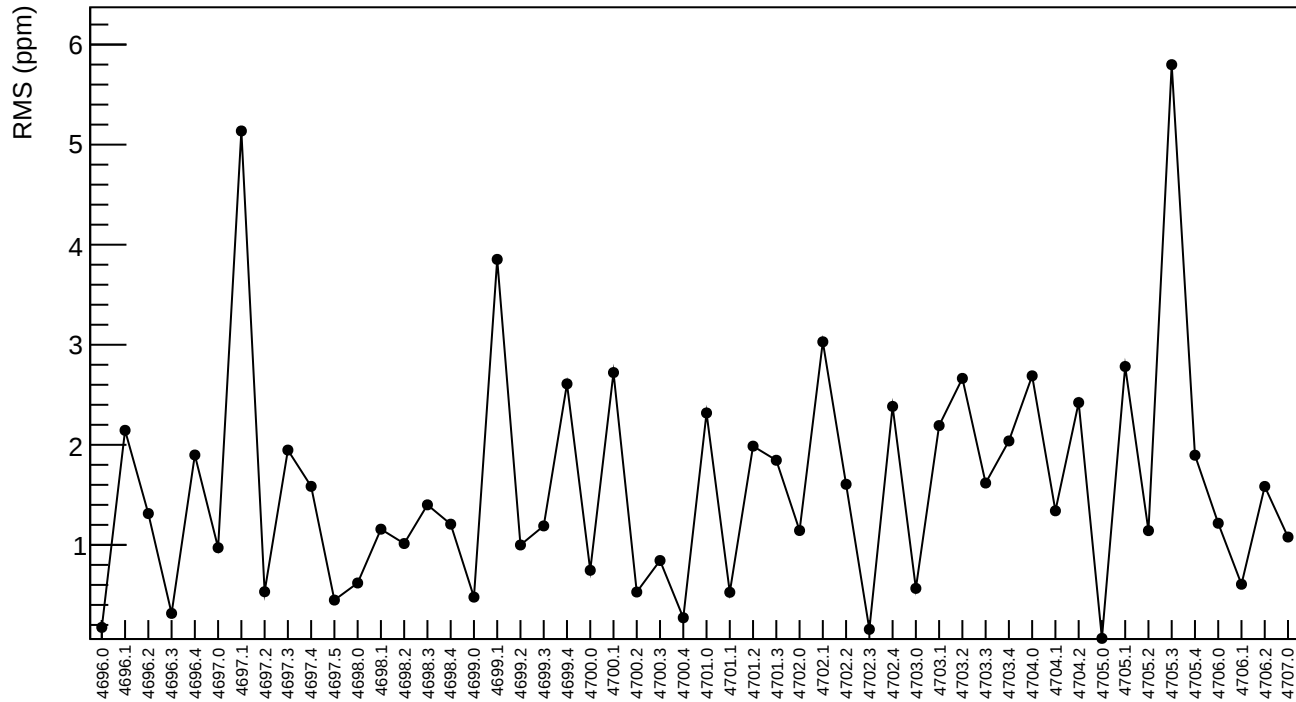
corr_us_dd_bpm16Y (ppb)



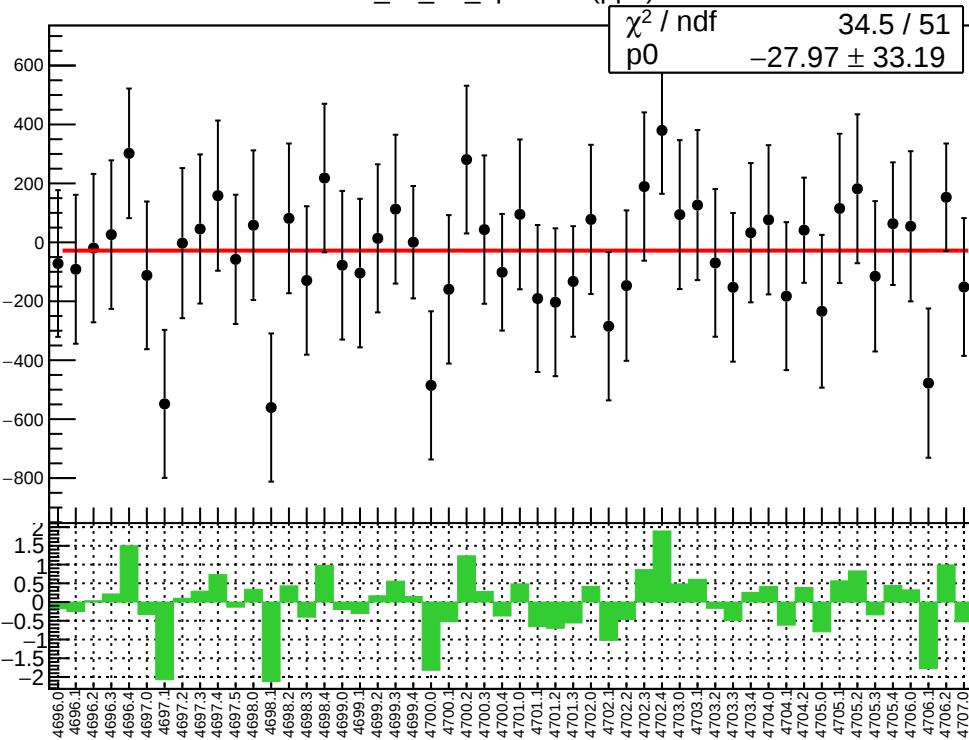
1D pull distribution



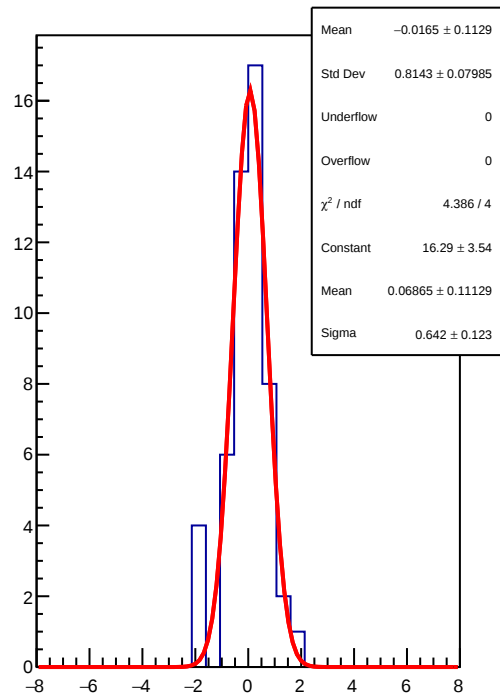
corr_us_dd_bpm16Y RMS (ppm)



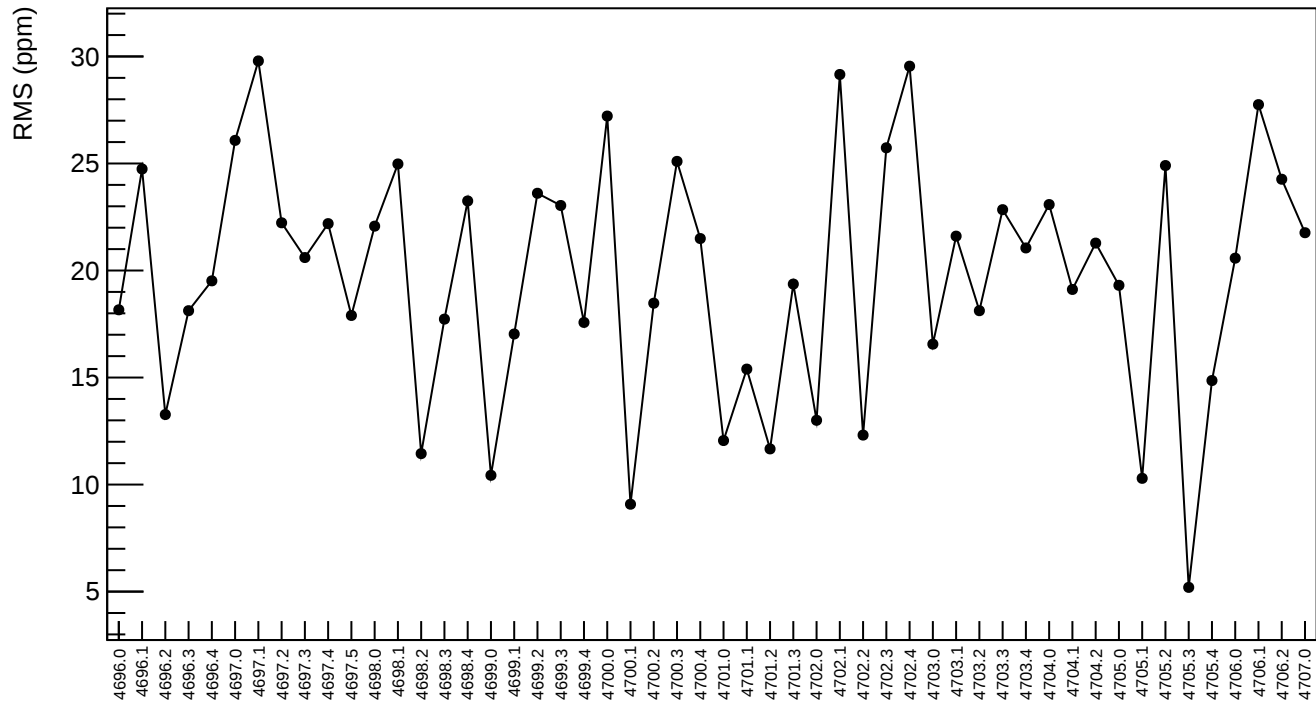
corr_us_dd_bpm12X (ppb)



1D pull distribution



corr_us_dd_bpm12X RMS (ppm)

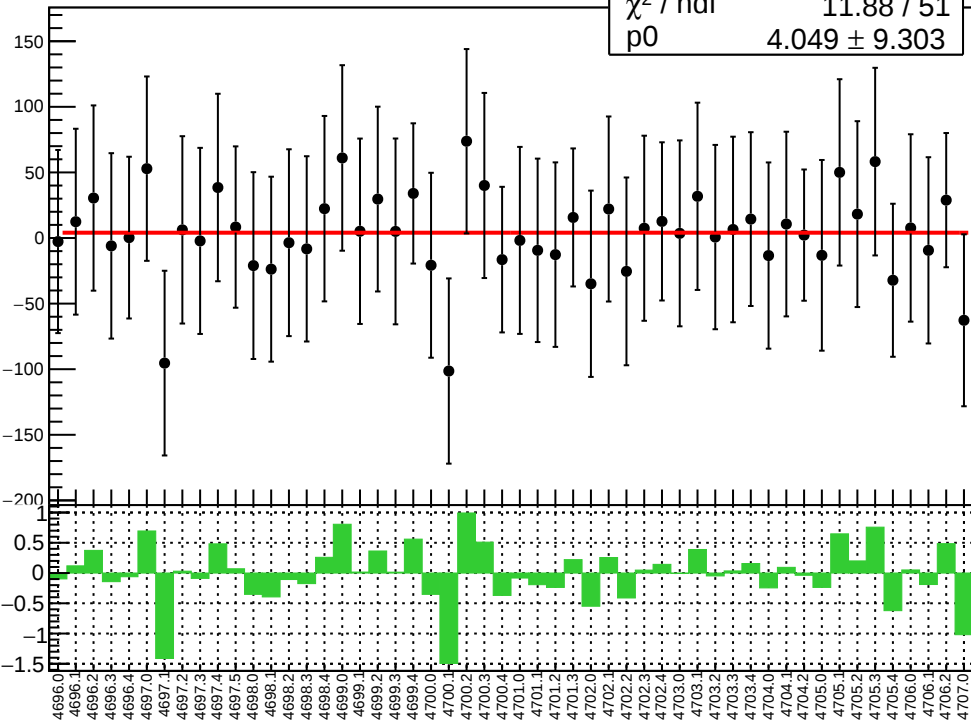


corr_us_dd_bpm12Y (ppb)

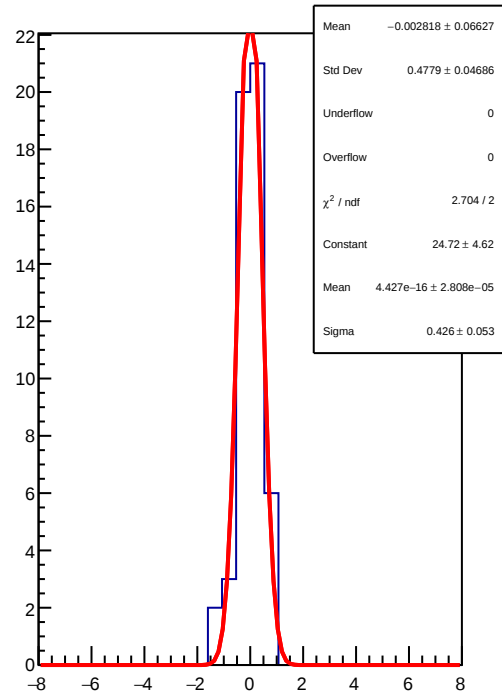
 χ^2 / nfd

11.88 / 51

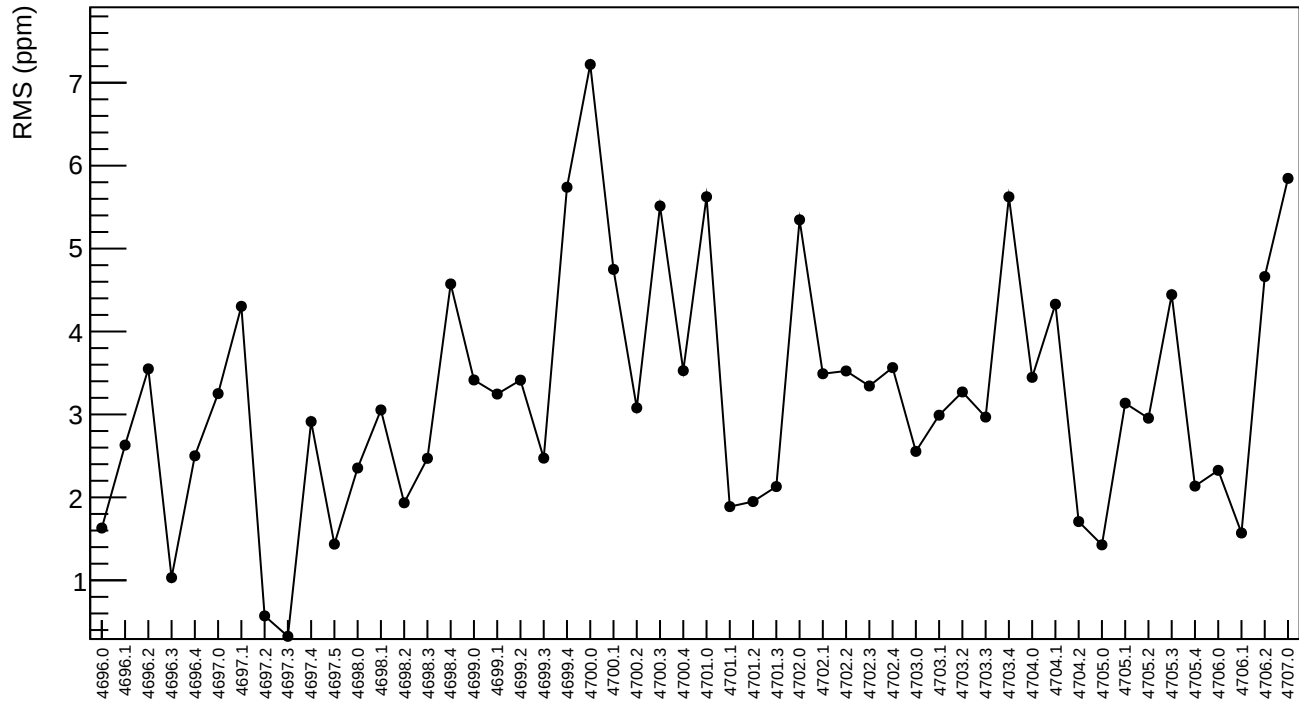
p0

 4.049 ± 9.303 

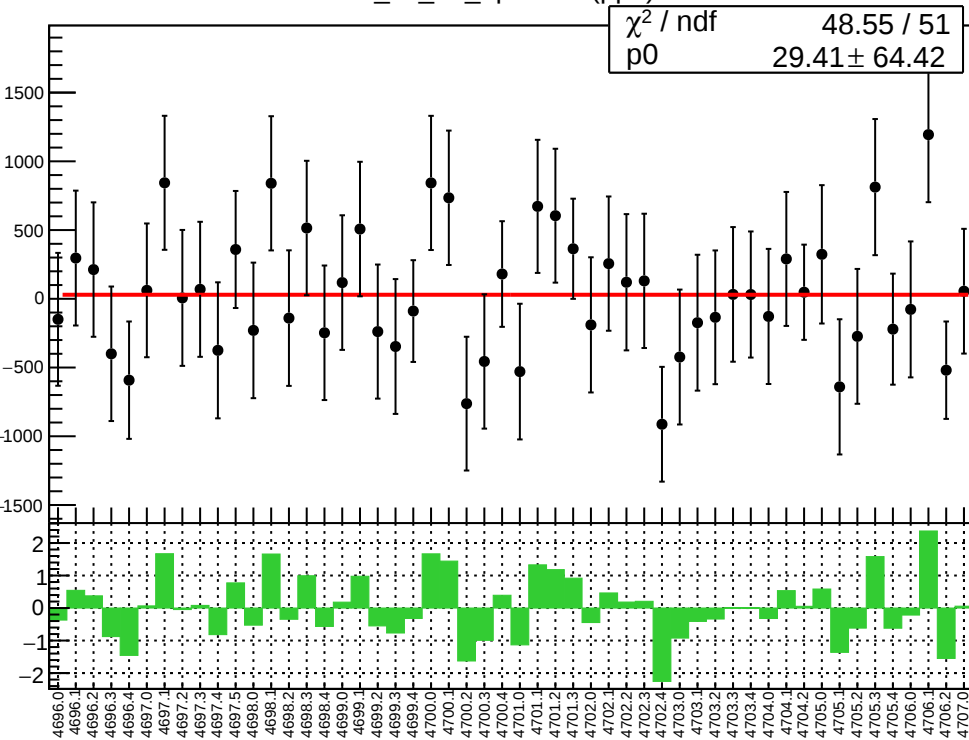
1D pull distribution



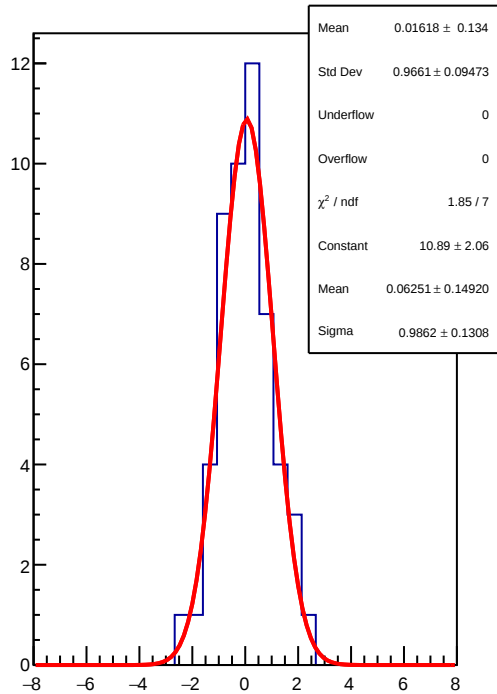
corr_us_dd_bpm12Y RMS (ppm)



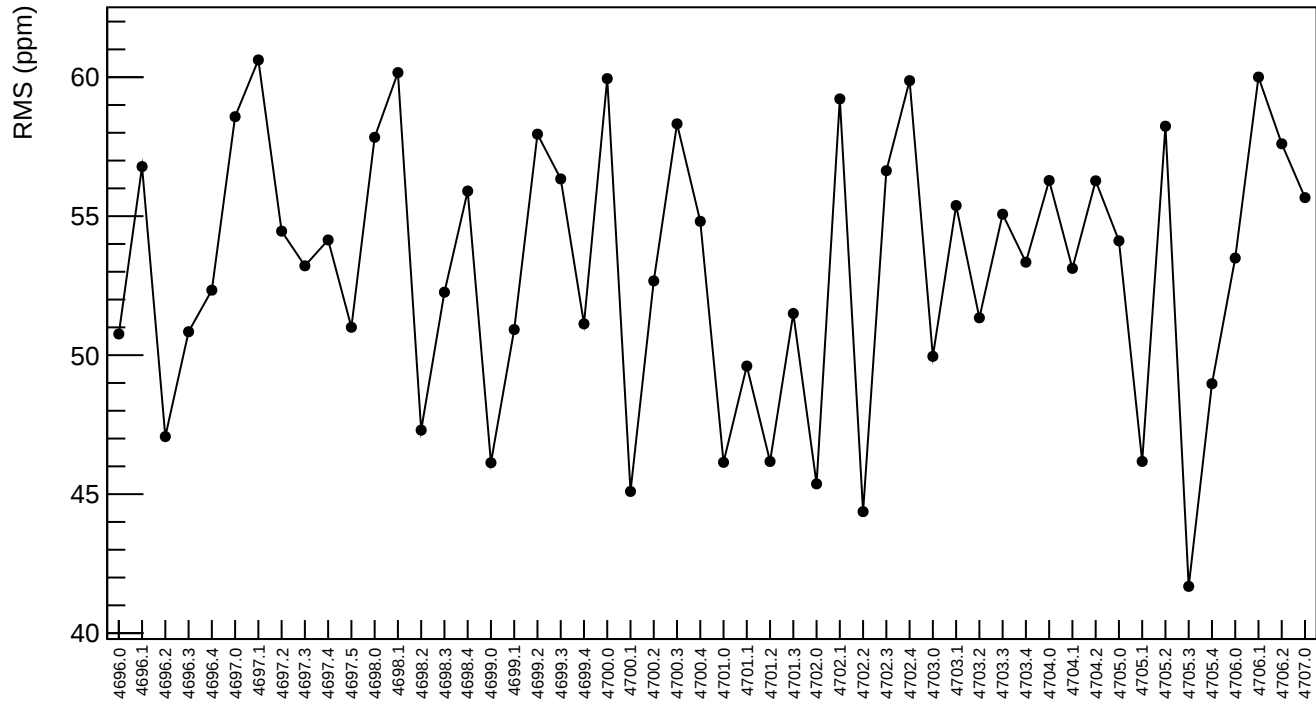
corr_us_dd_bpm11X (ppb)



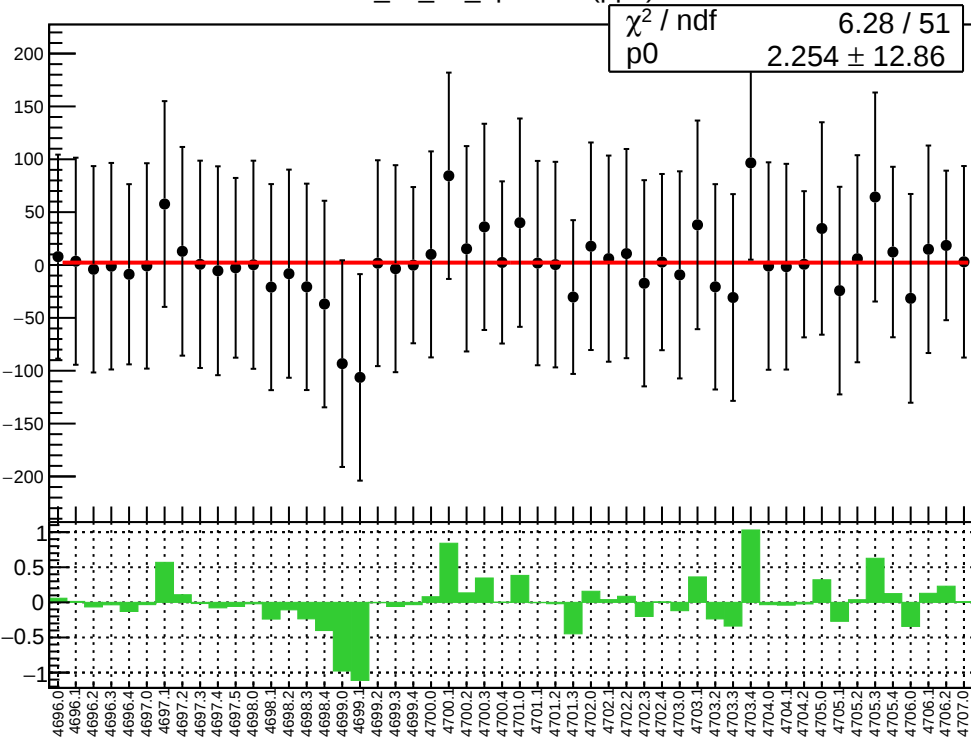
1D pull distribution



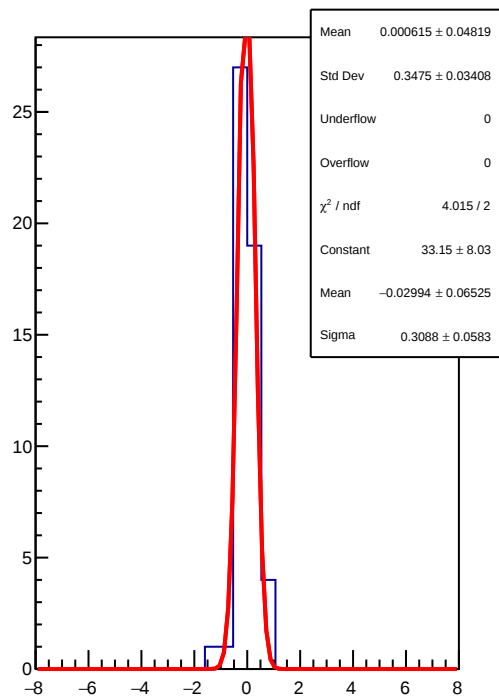
corr_us_dd_bpm11X RMS (ppm)



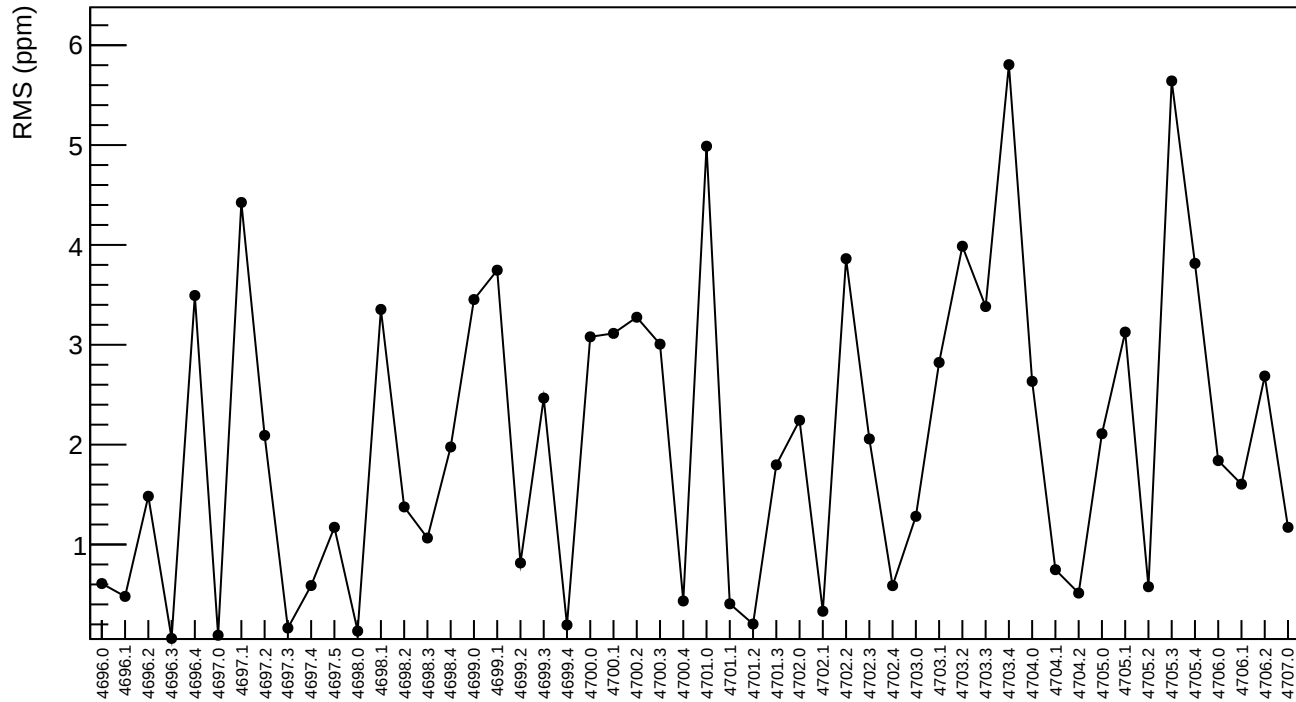
corr_us_dd_bpm11Y (ppb)



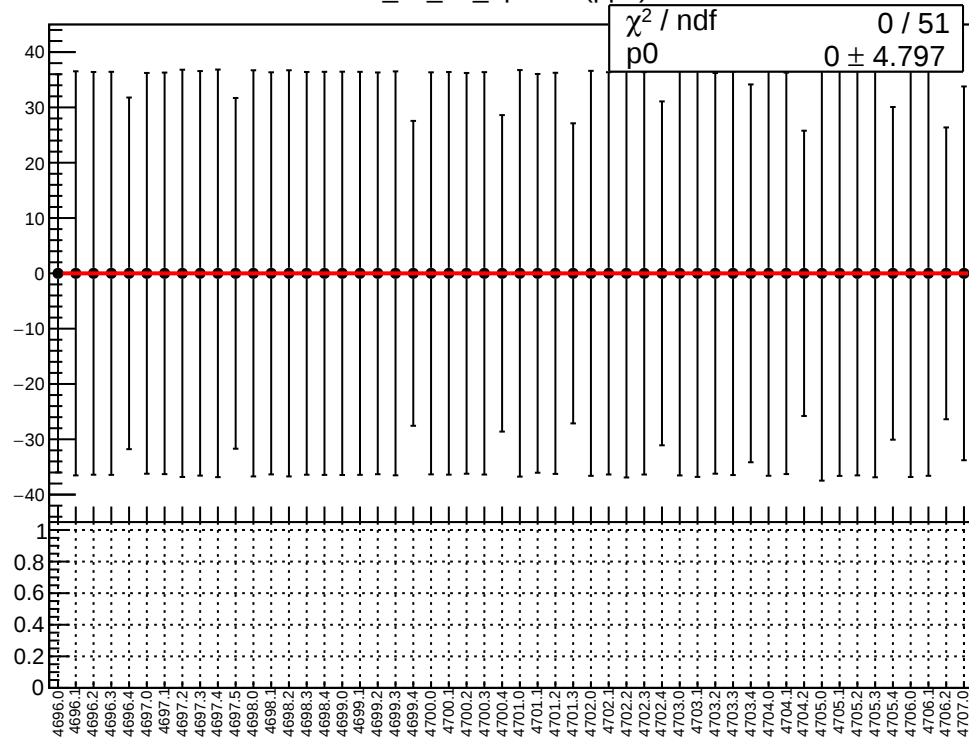
1D pull distribution



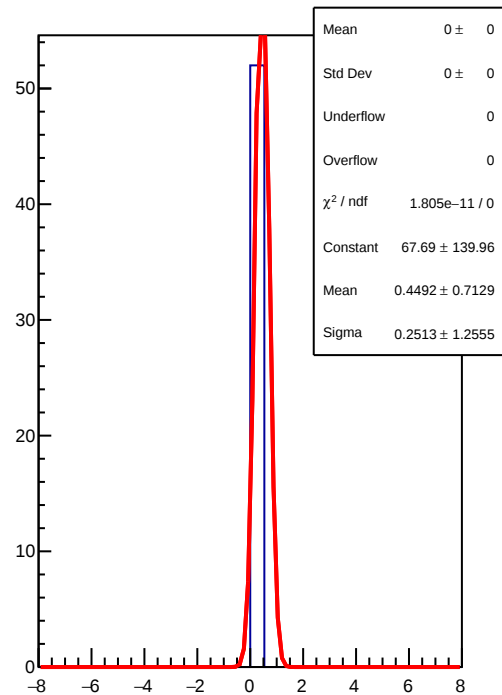
corr_us_dd_bpm11Y RMS (ppm)



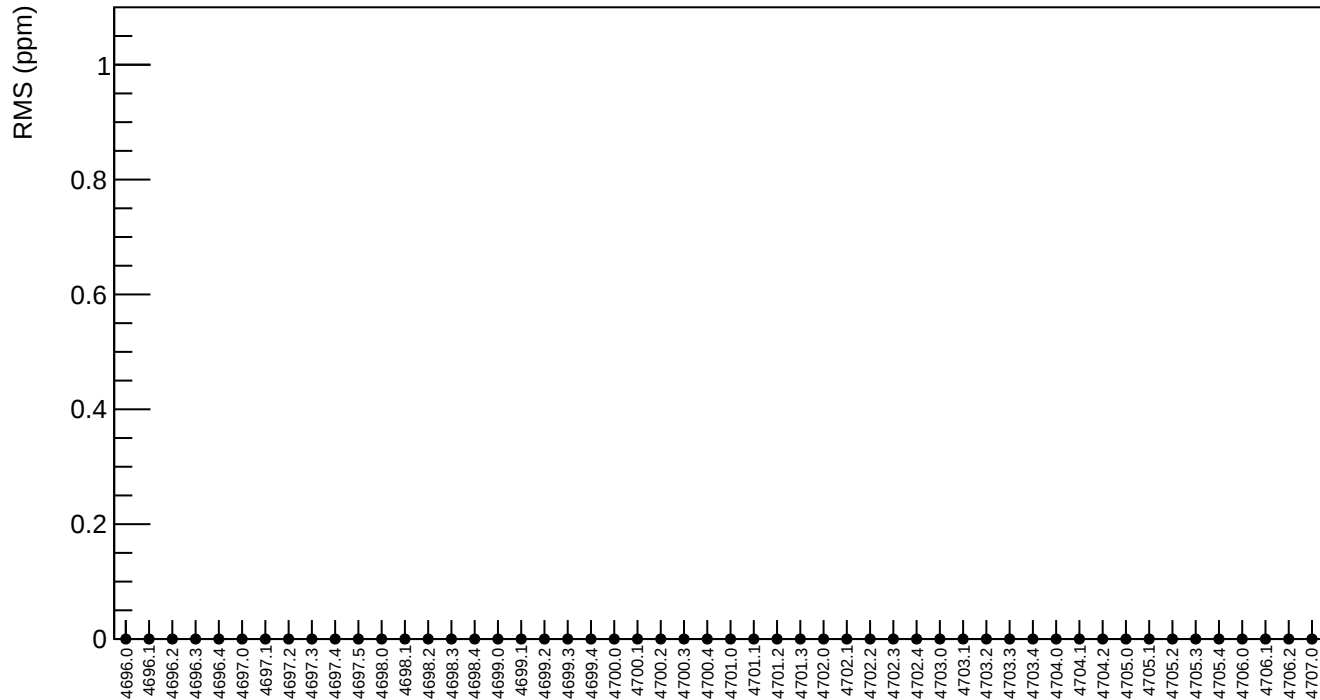
corr_us_dd_bpm8X (ppb)



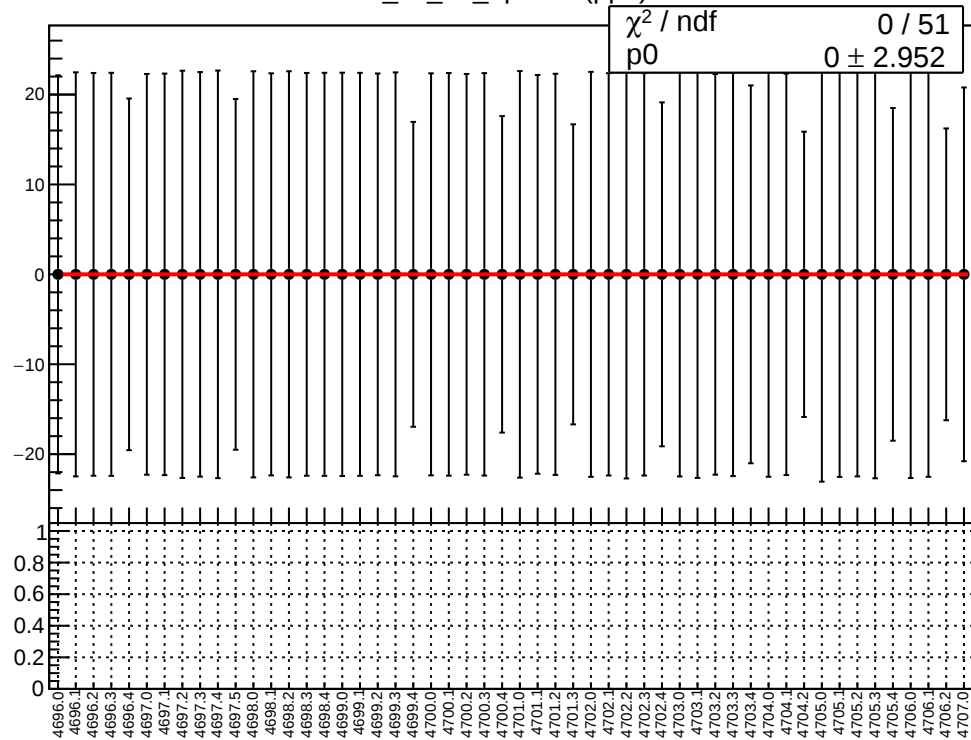
1D pull distribution



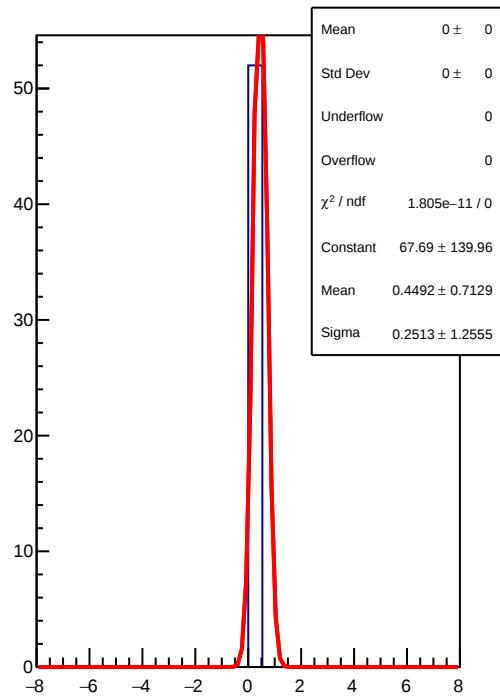
corr_us_dd_bpm8X RMS (ppm)



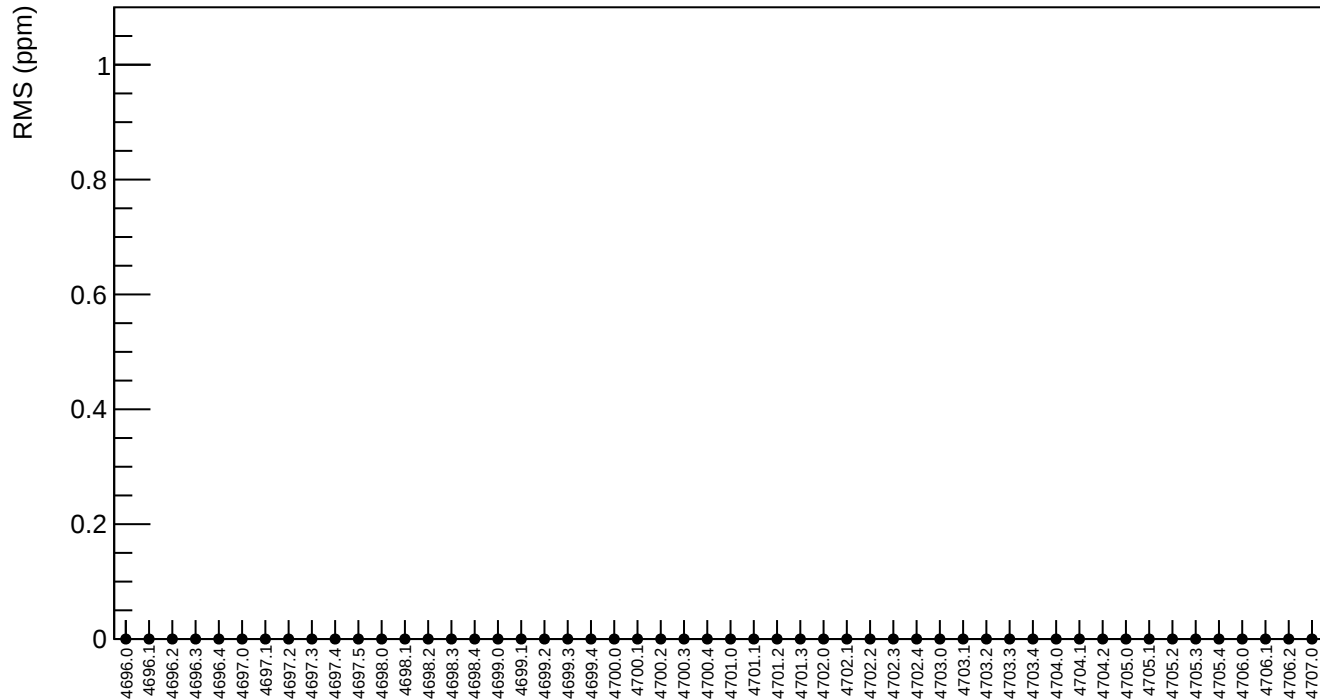
corr_us_dd_bpm8Y (ppb)



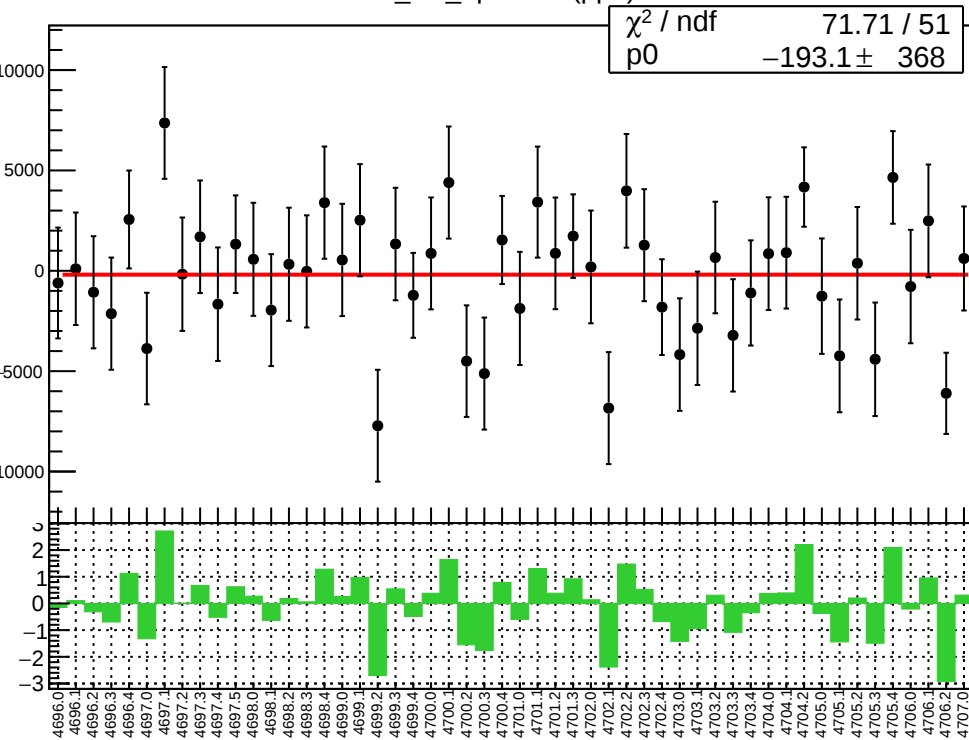
1D pull distribution



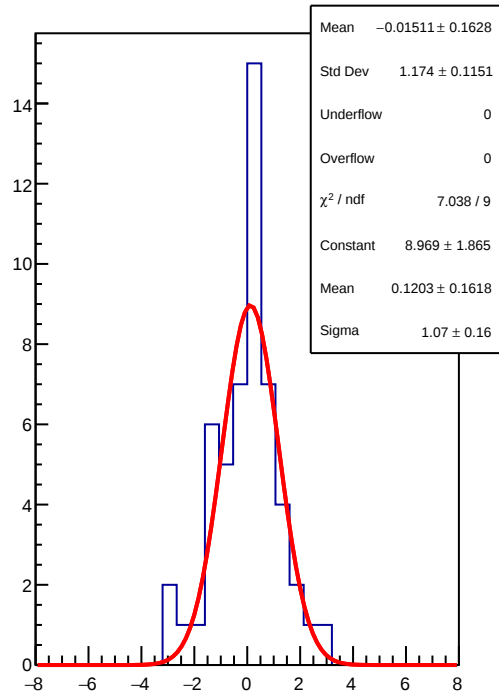
corr_us_dd_bpm8Y RMS (ppm)



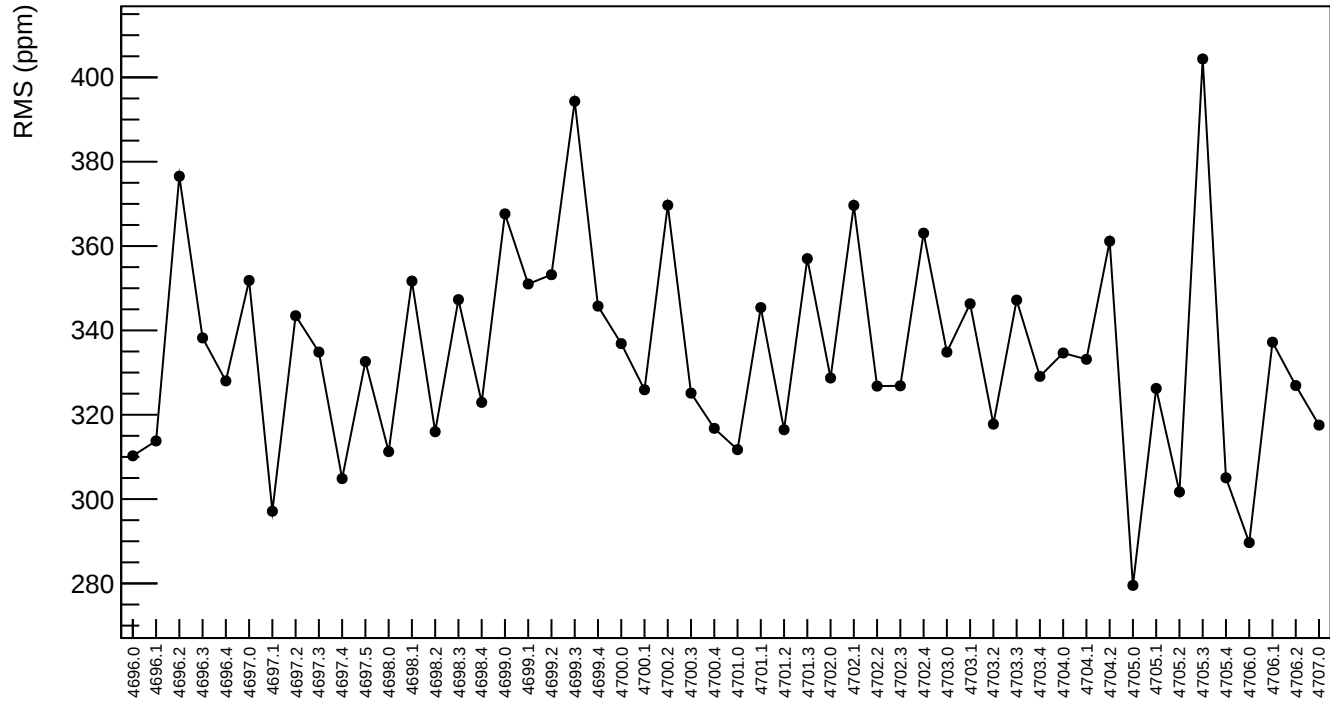
corr_usl_bpm4eX (ppb)



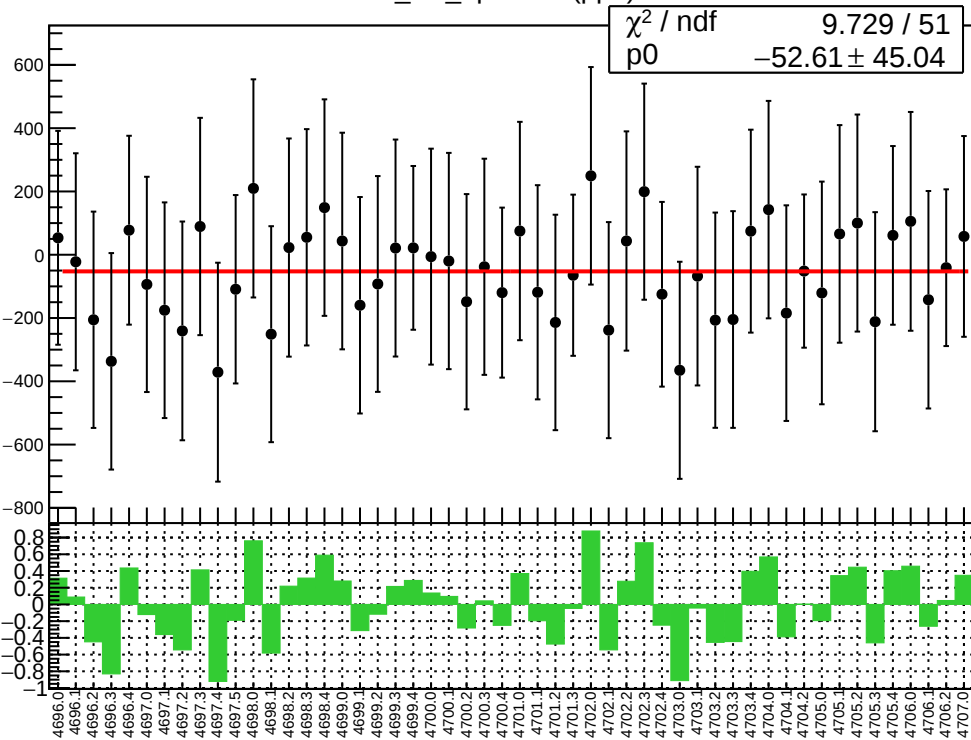
1D pull distribution



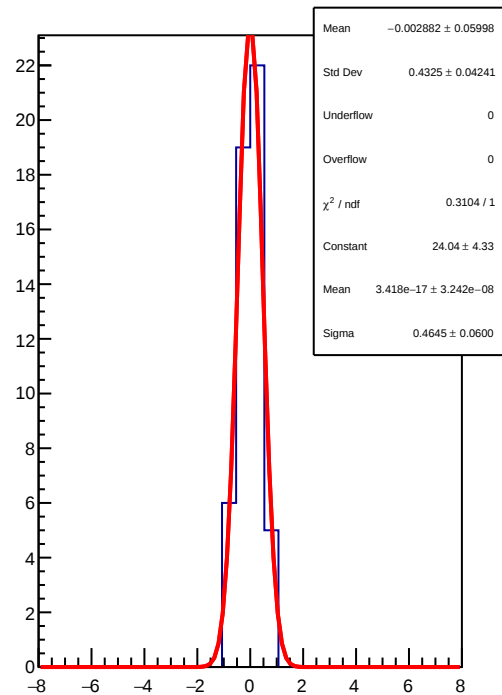
corr_usl_bpm4eX RMS (ppm)



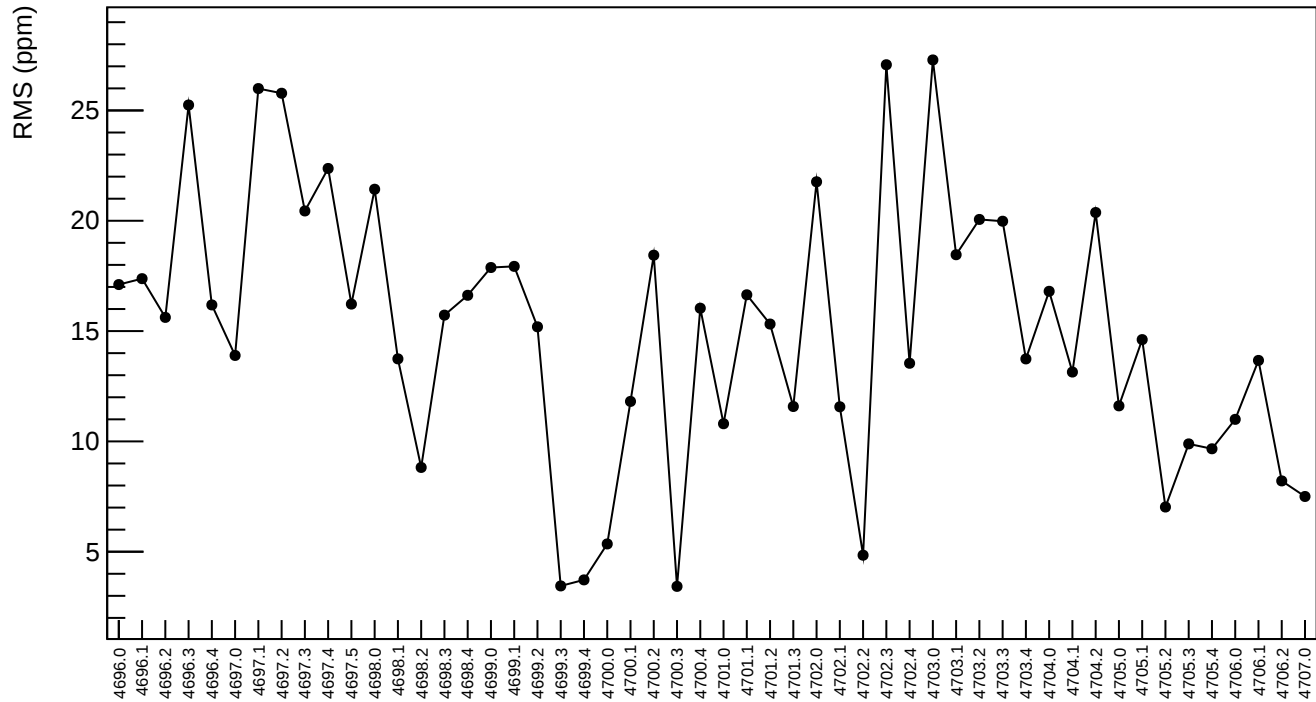
corr_usl_bpm4eY (ppb)



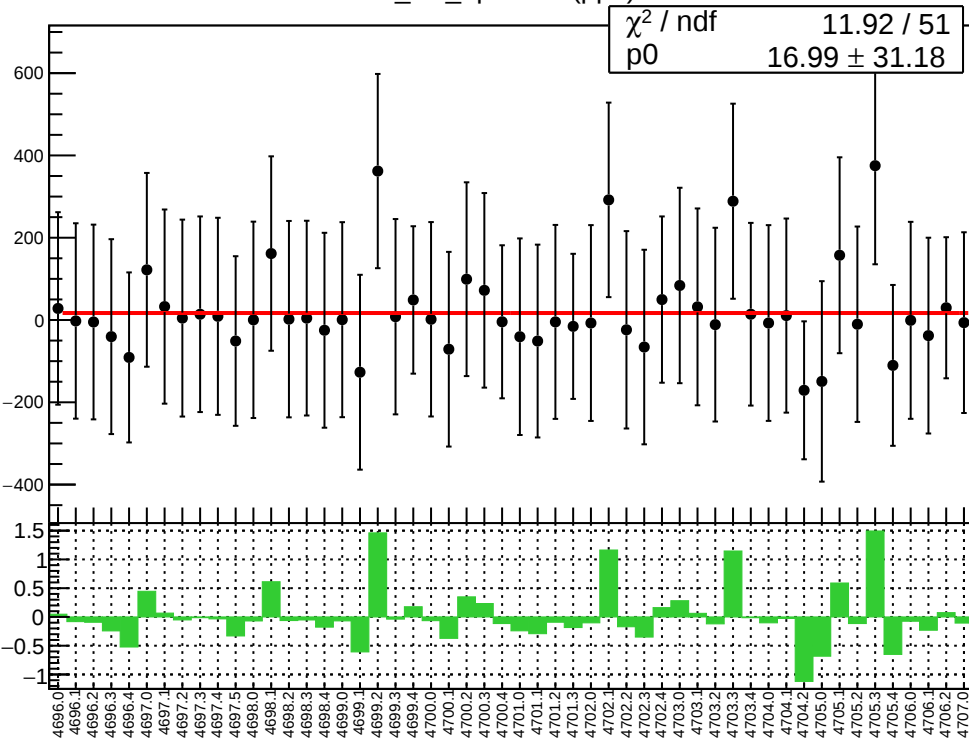
1D pull distribution



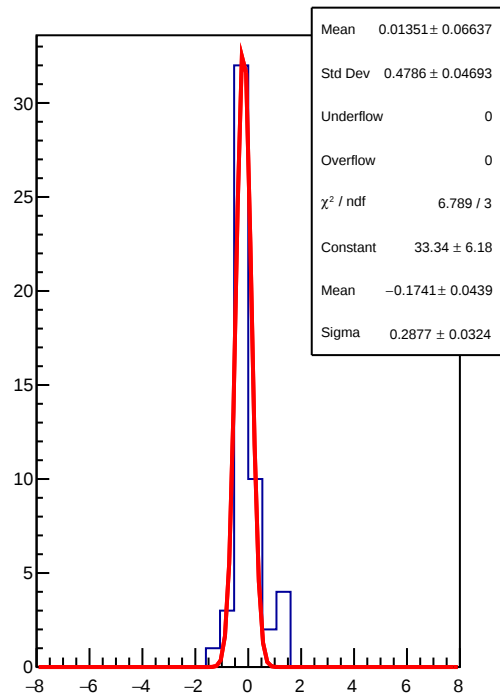
corr_usl_bpm4eY RMS (ppm)



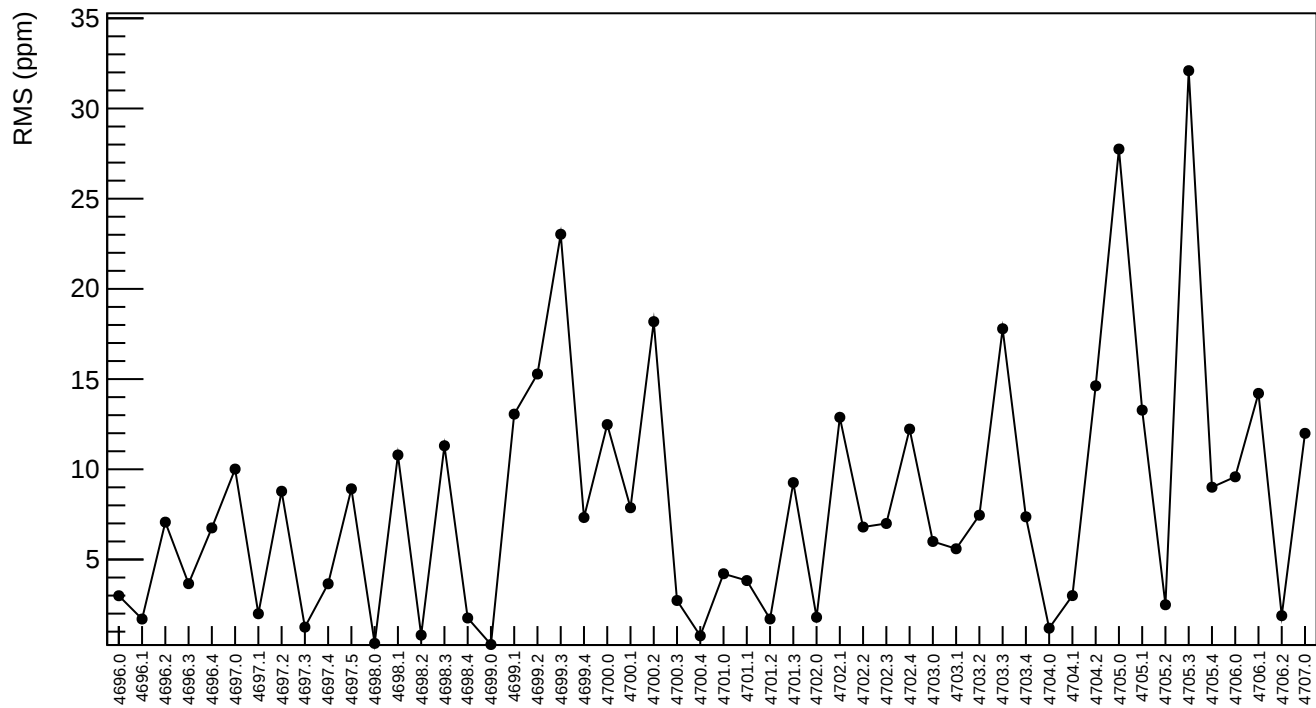
corr_usl_bpm4aX (ppb)



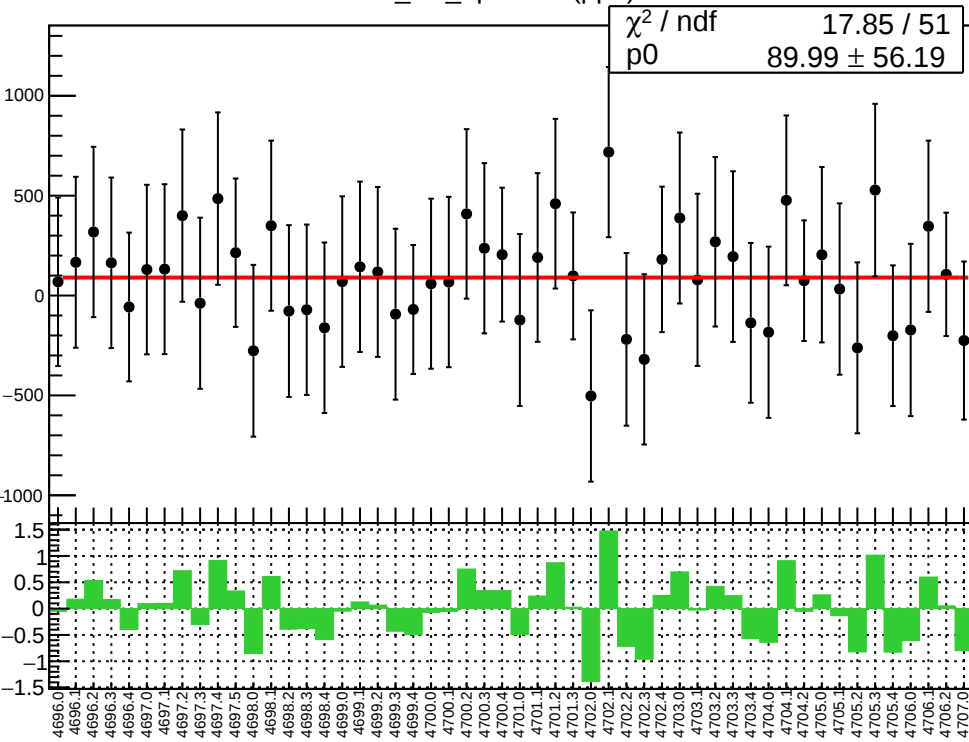
1D pull distribution



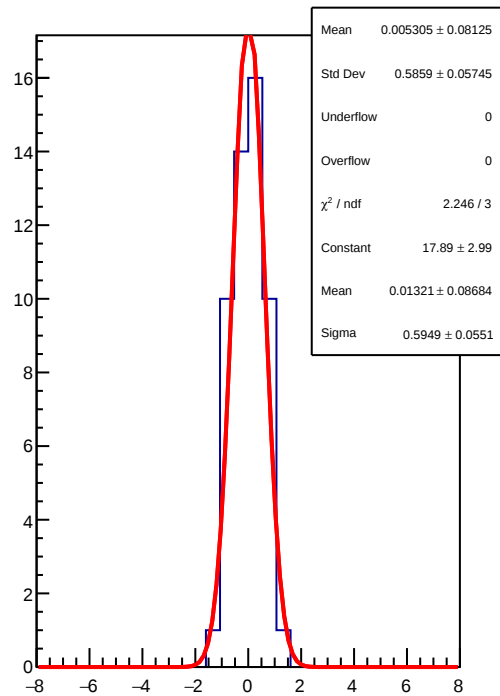
corr_usl_bpm4aX RMS (ppm)



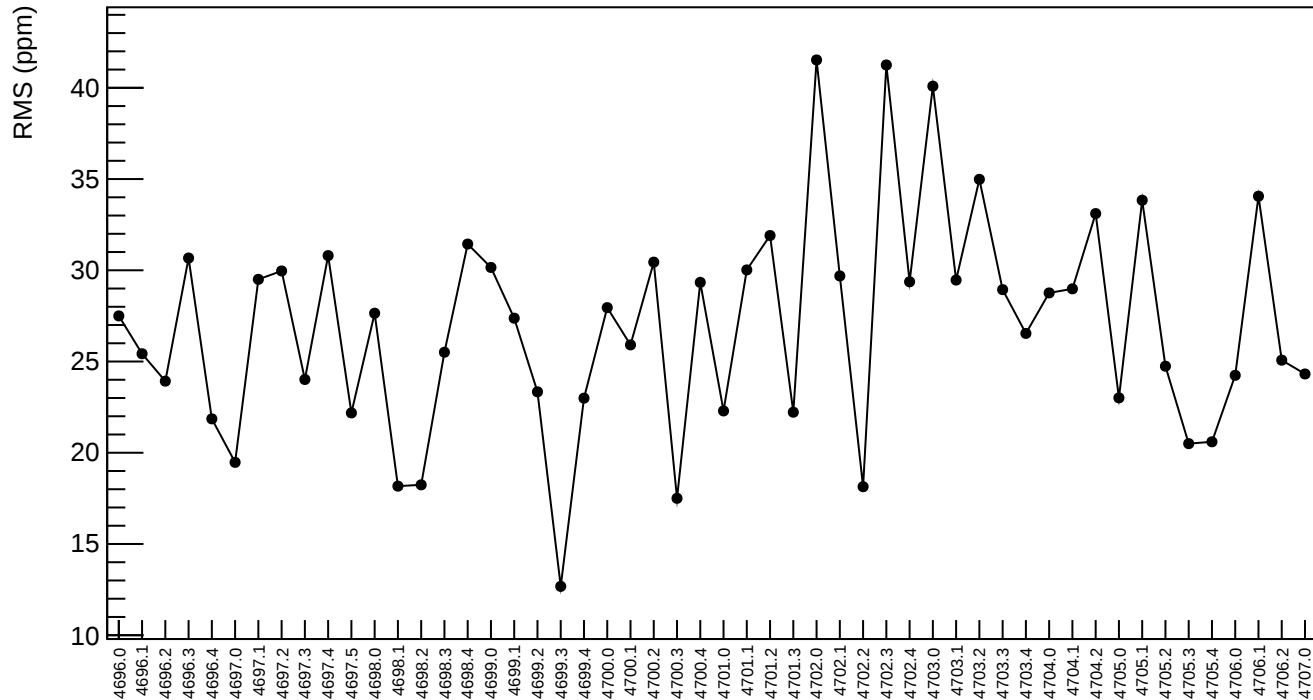
corr_usl_bpm4aY (ppb)



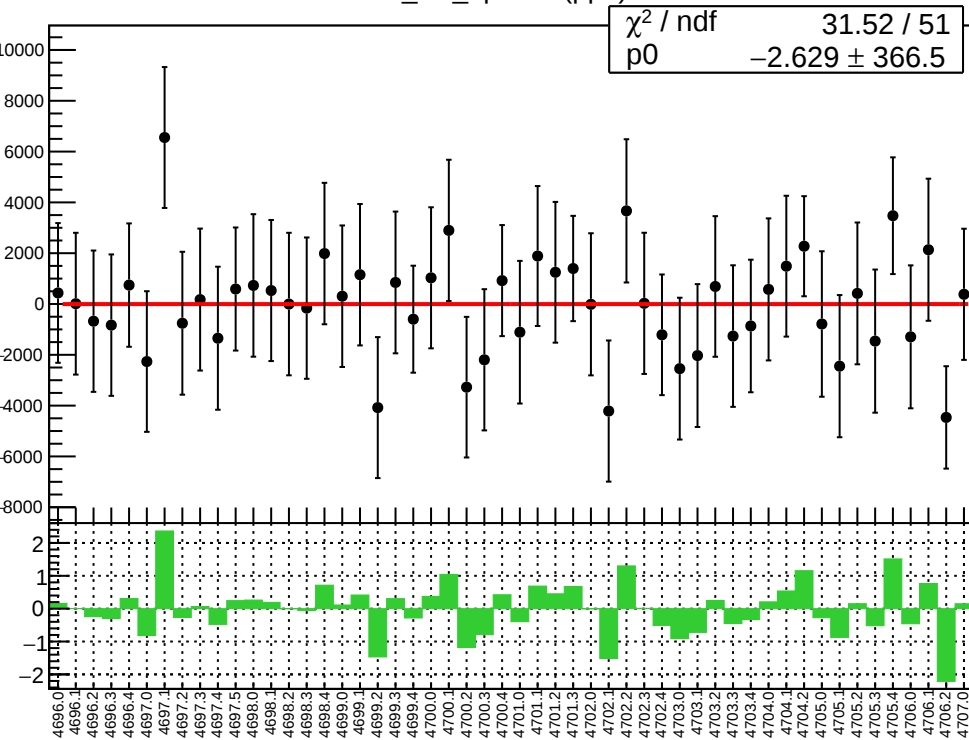
1D pull distribution



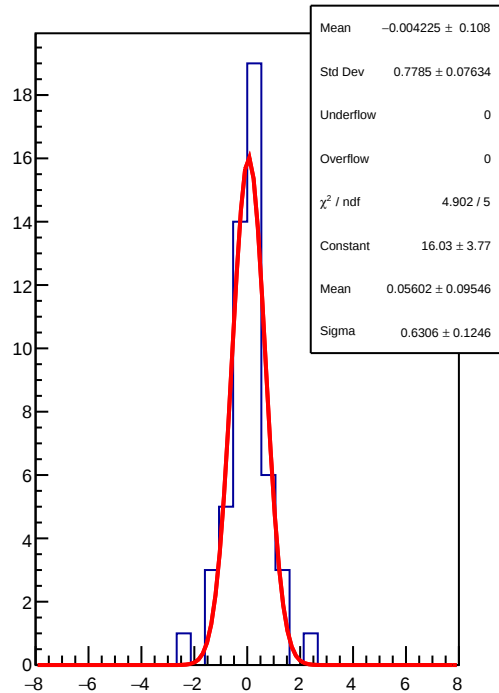
corr_usl_bpm4aY RMS (ppm)



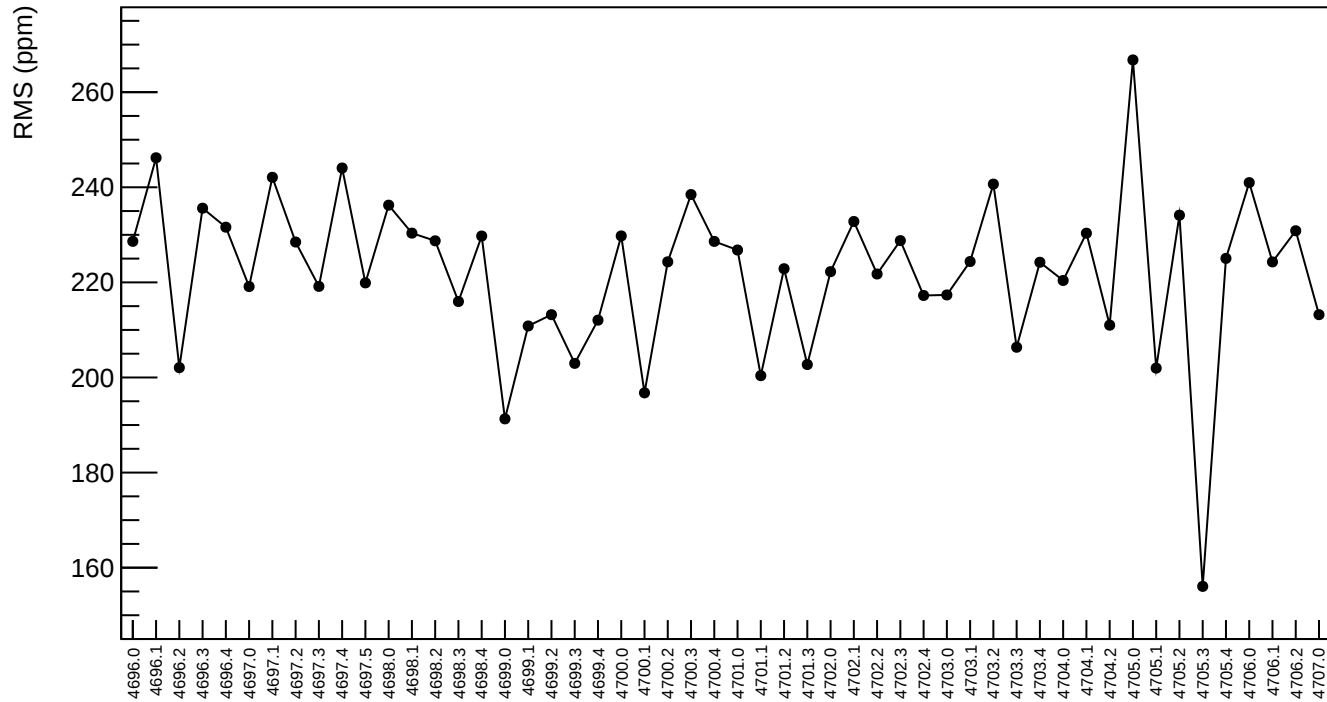
corr_usl_bpm1X (ppb)



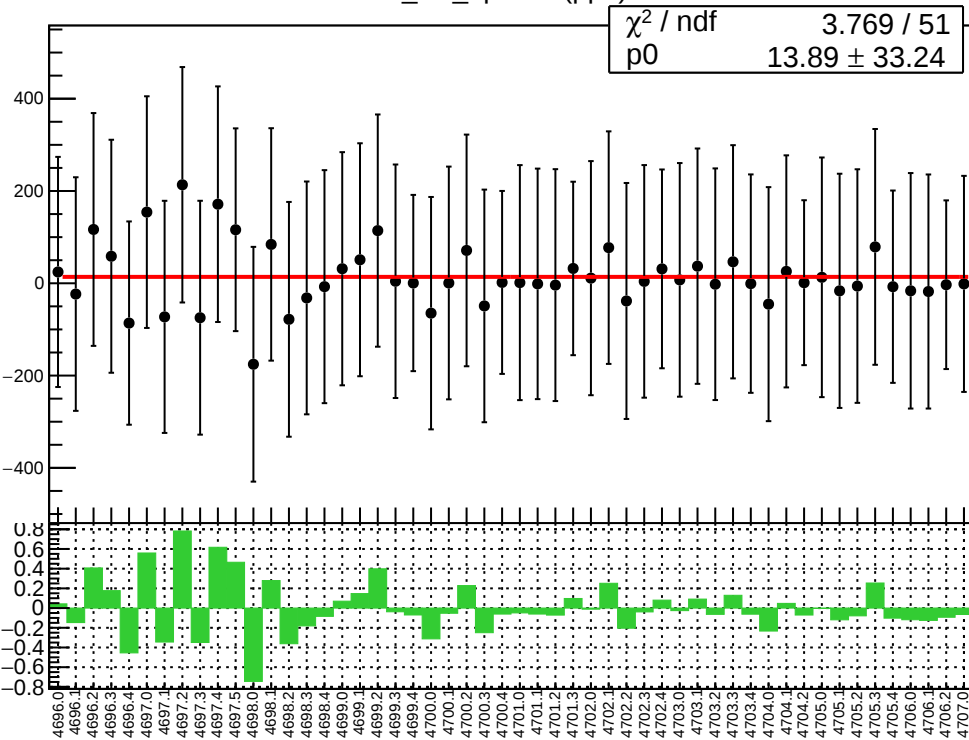
1D pull distribution



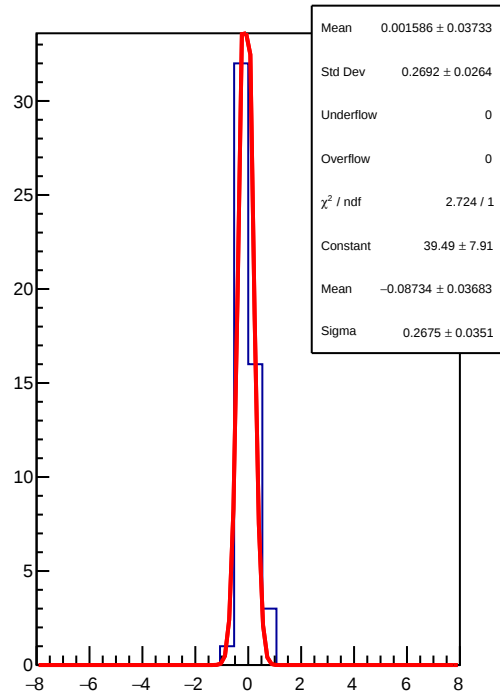
corr_usl_bpm1X RMS (ppm)



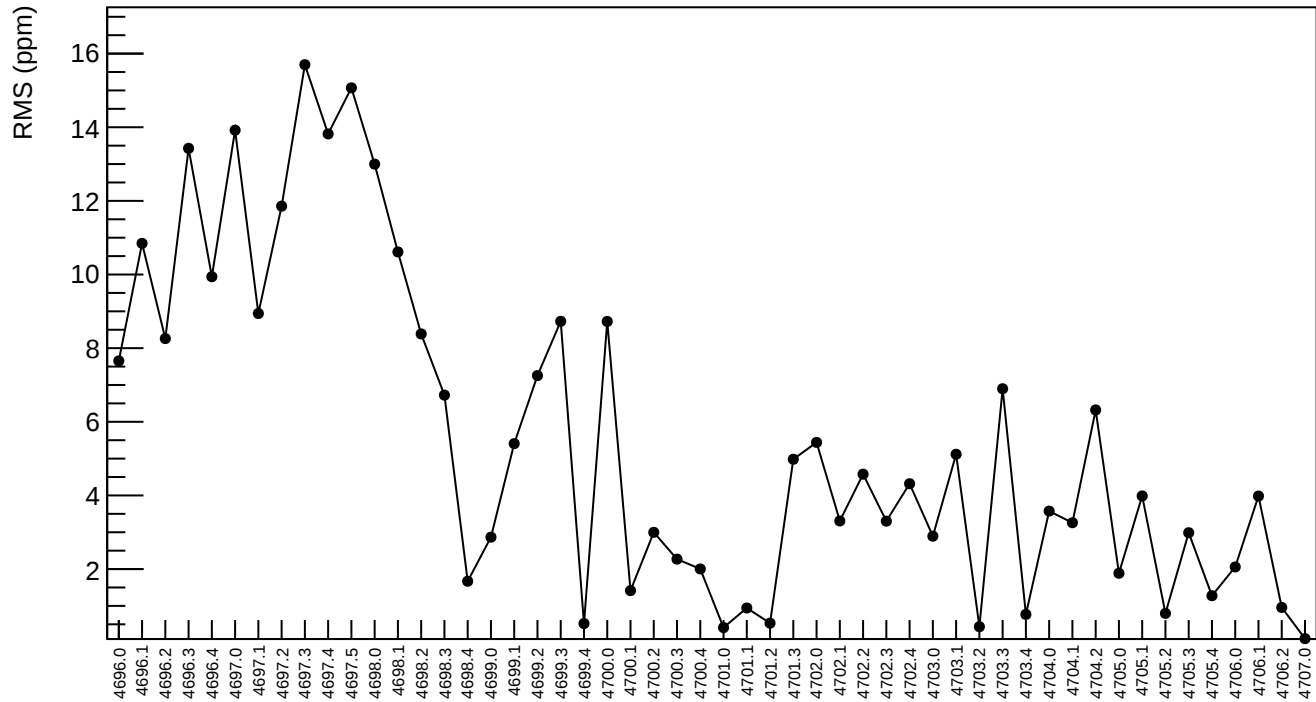
corr_usl_bpm1Y (ppb)



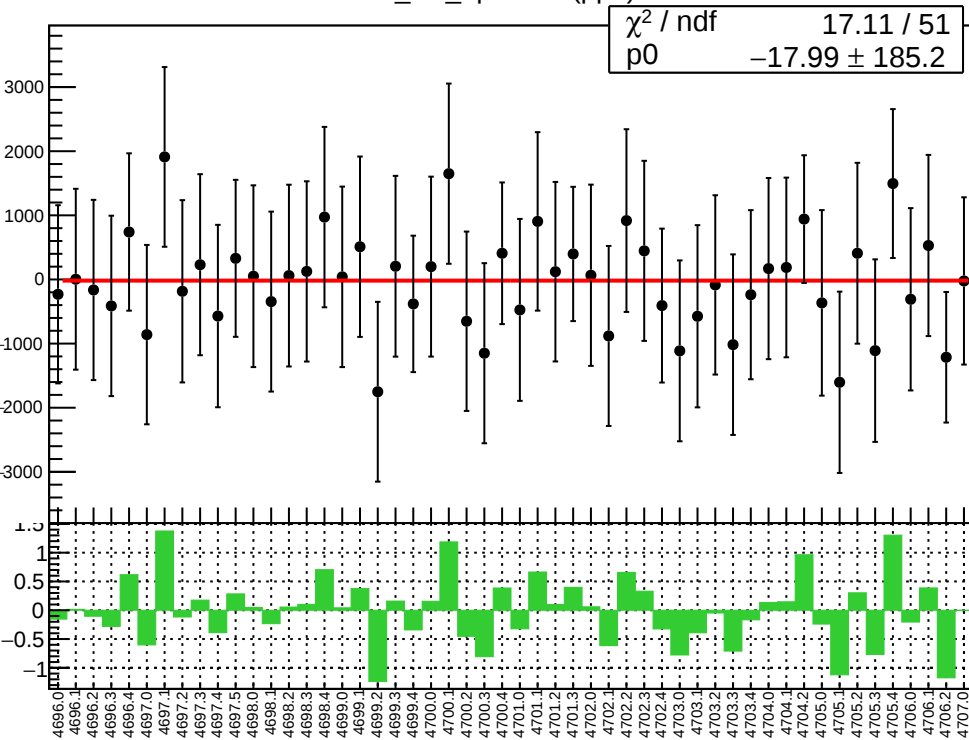
1D pull distribution



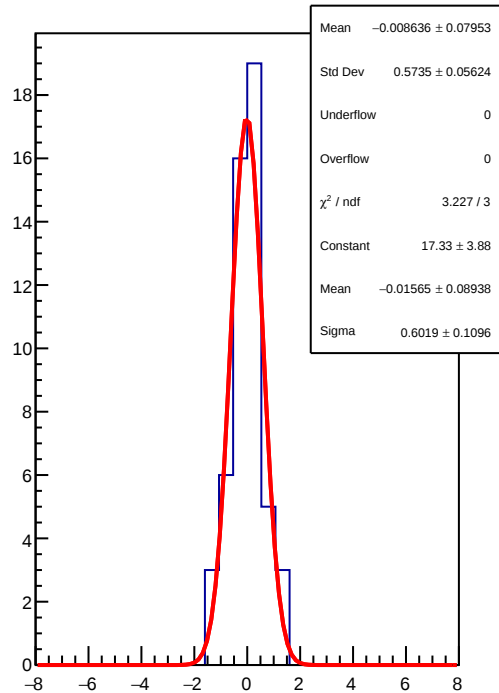
corr_usl_bpm1Y RMS (ppm)



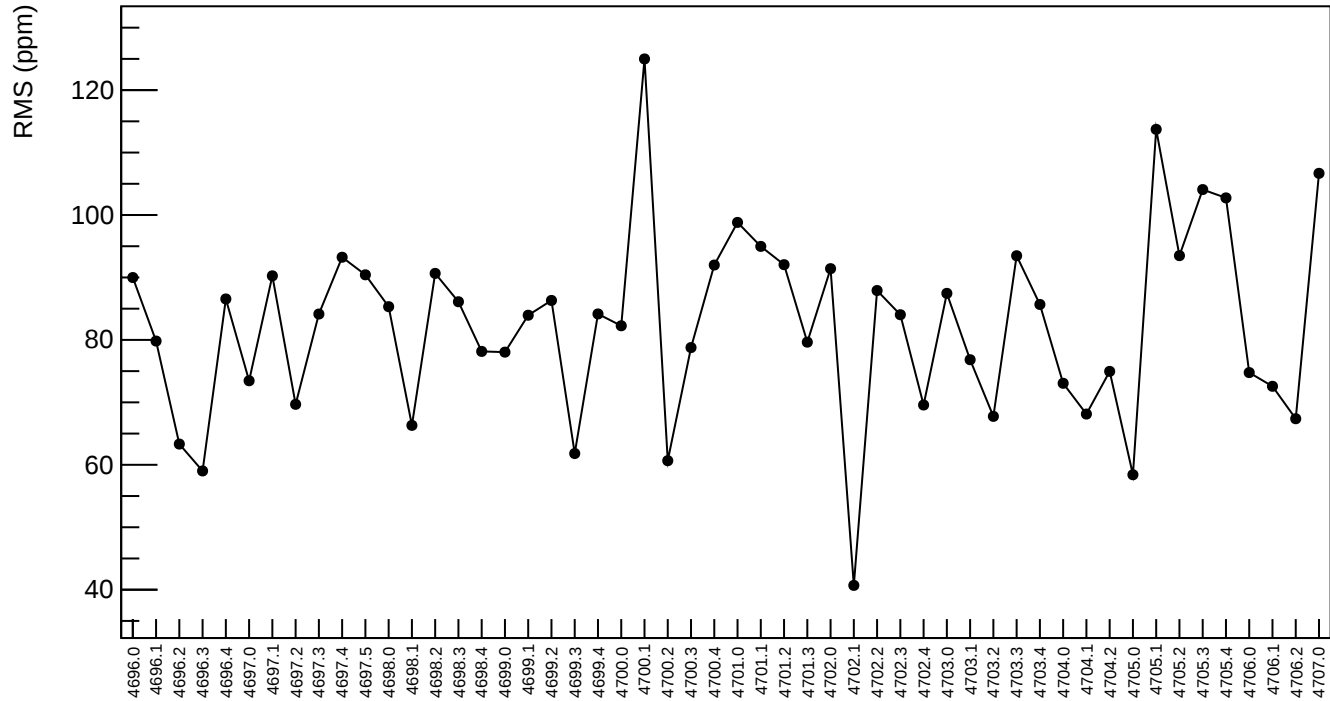
corr_usl_bpm16X (ppb)



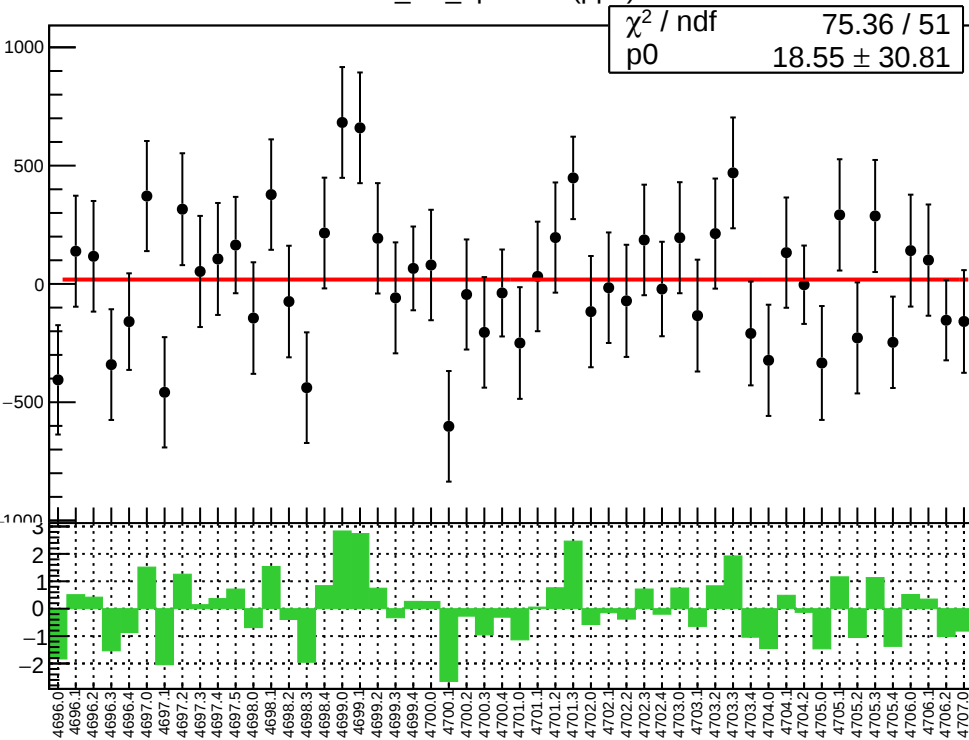
1D pull distribution



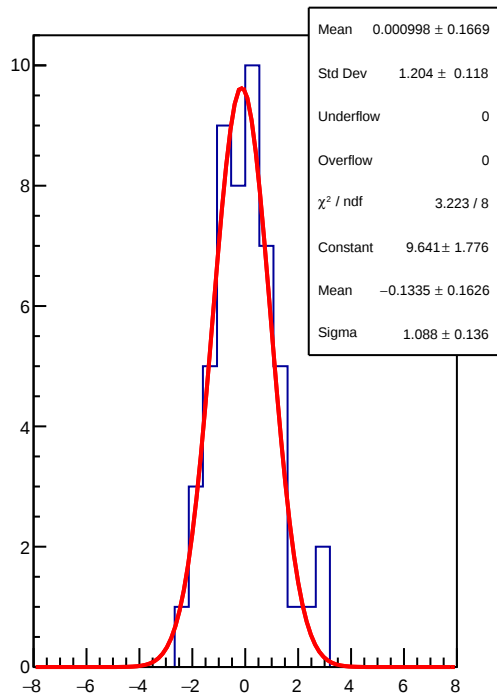
corr_usl_bpm16X RMS (ppm)



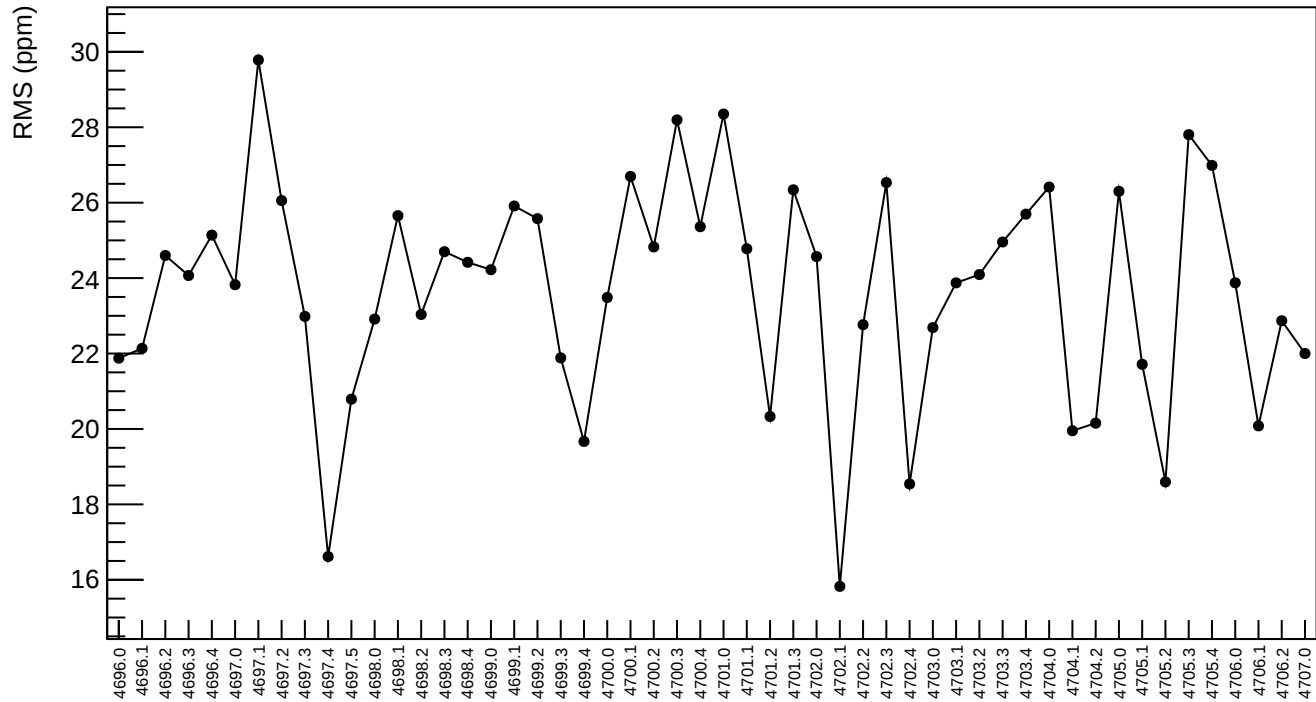
corr_usl_bpm16Y (ppb)



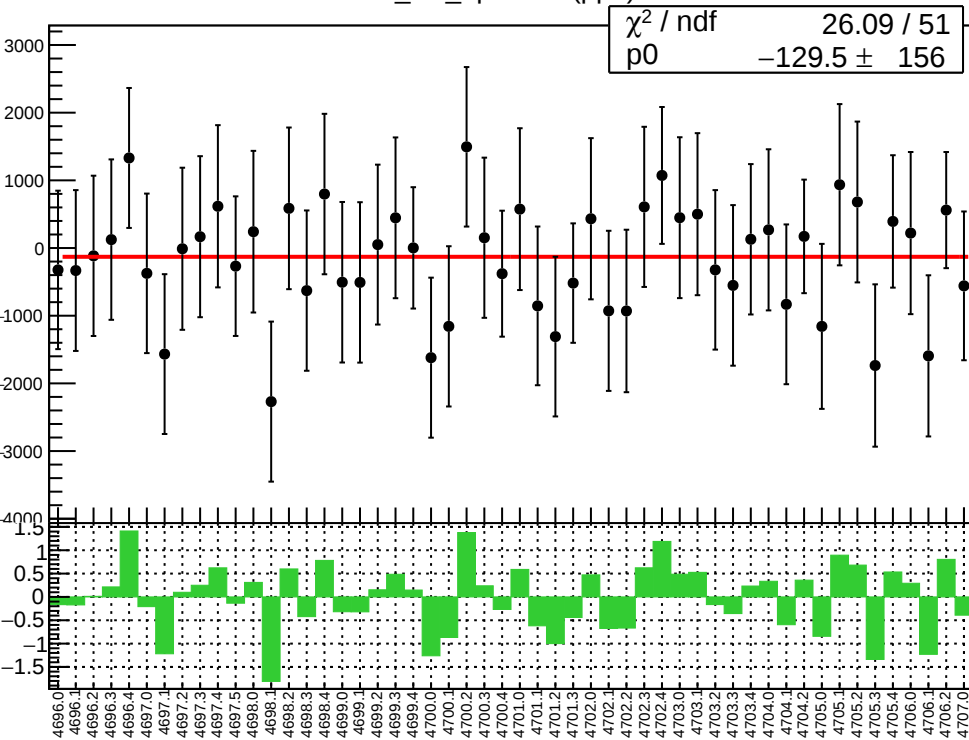
1D pull distribution



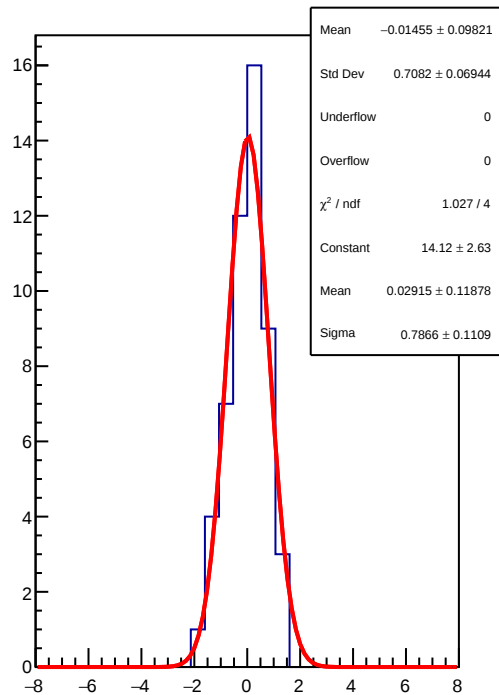
corr_usl_bpm16Y RMS (ppm)



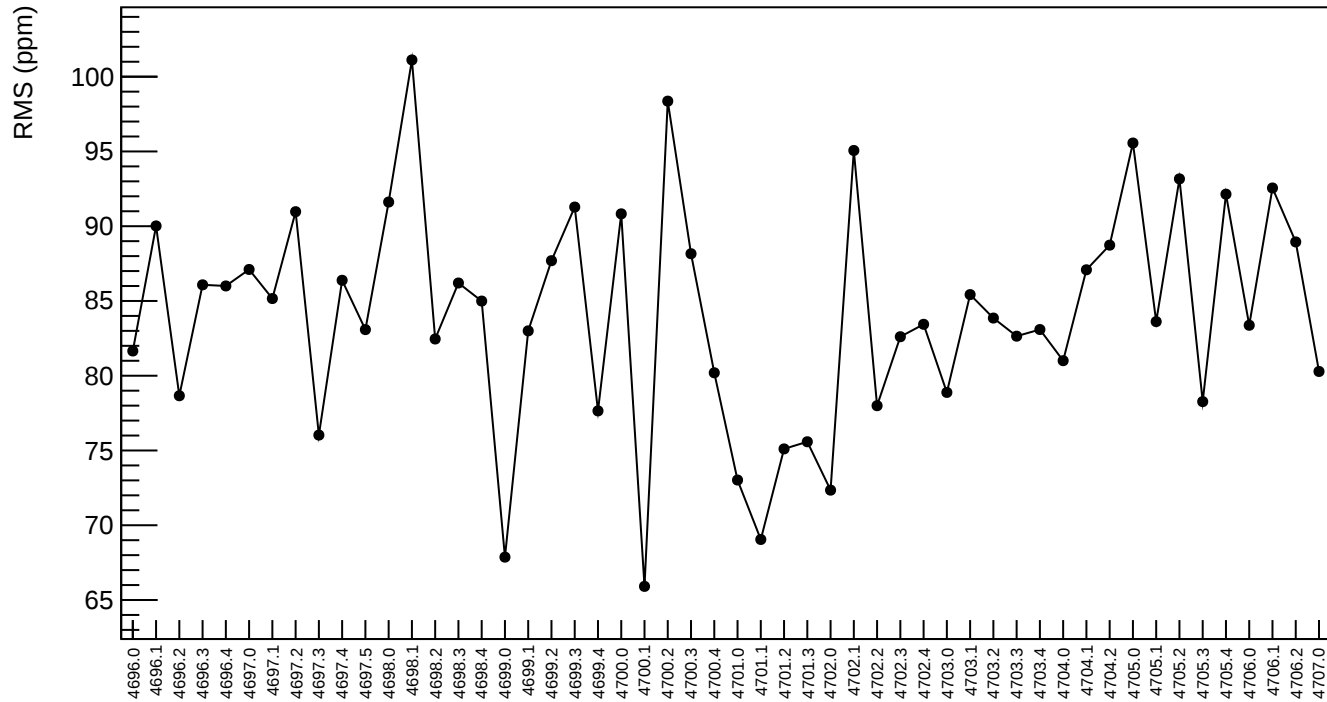
corr_usl_bpm12X (ppb)



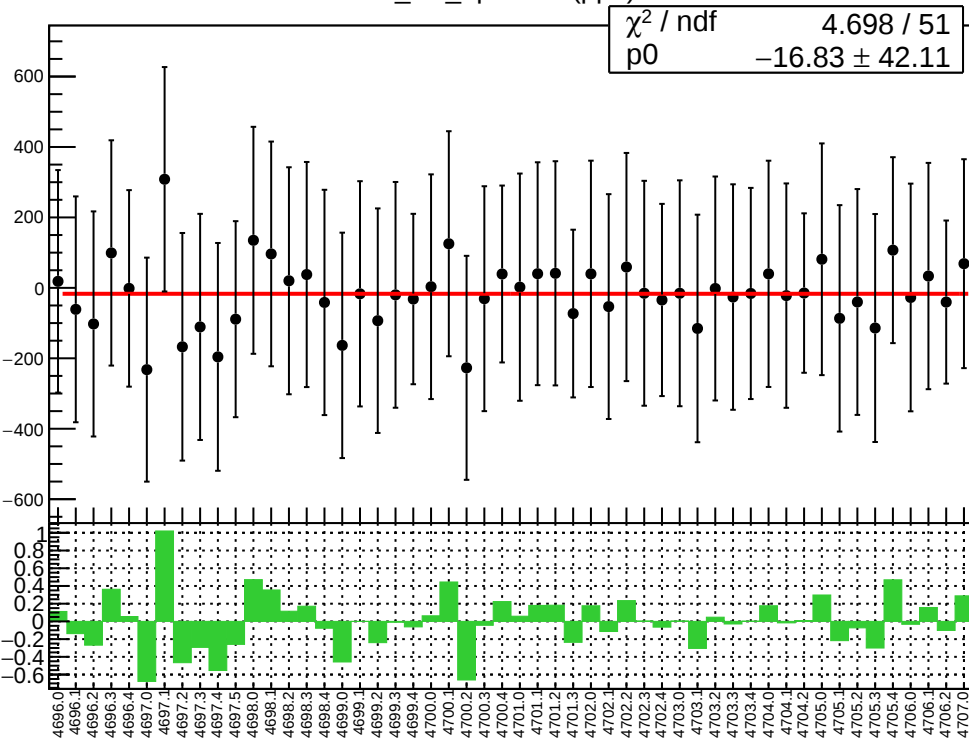
1D pull distribution



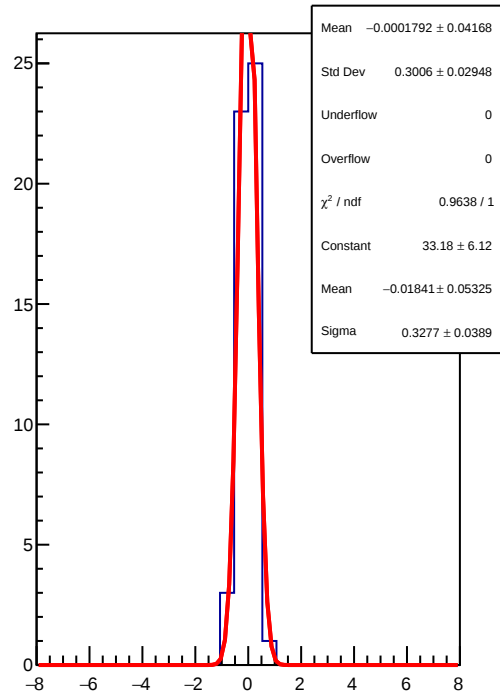
corr_usl_bpm12X RMS (ppm)



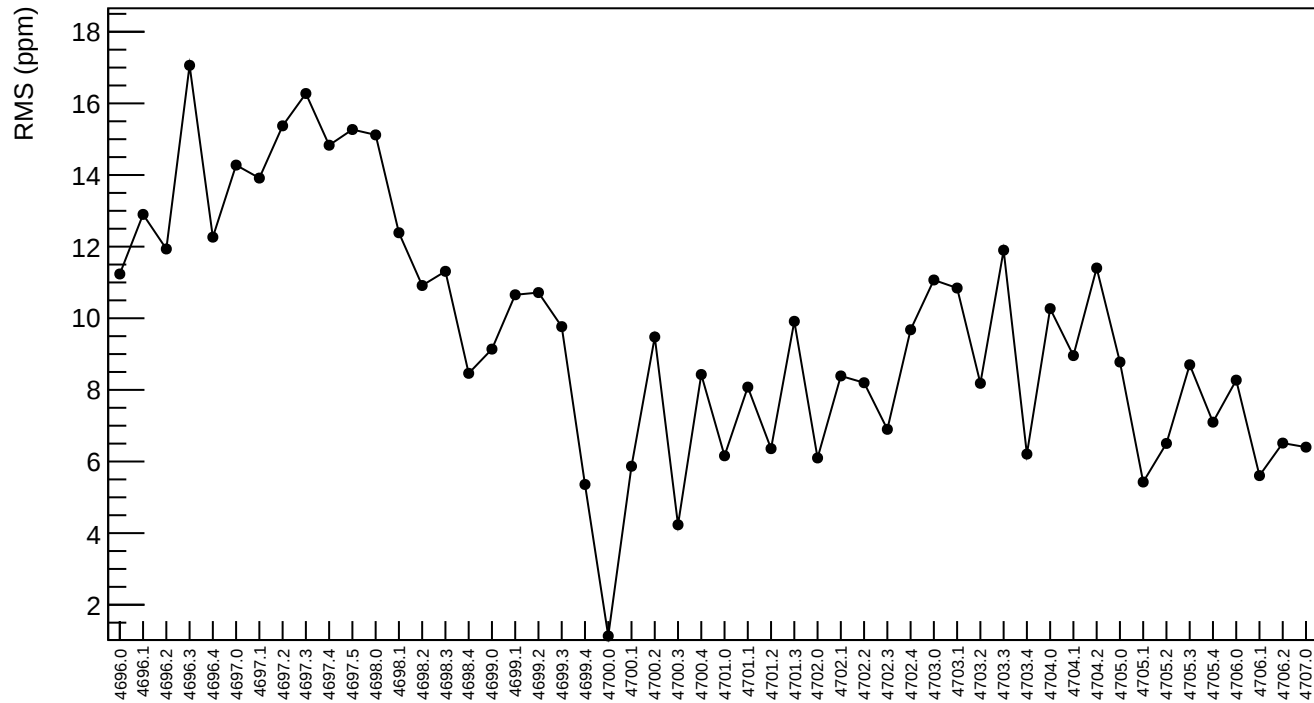
corr_usl_bpm12Y (ppb)



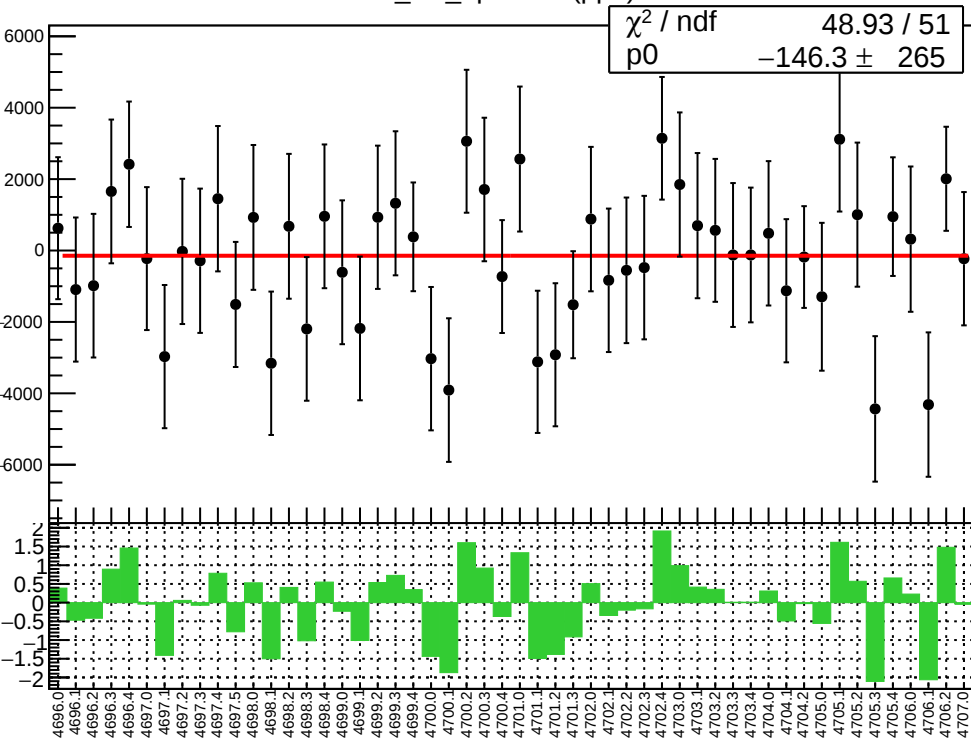
1D pull distribution



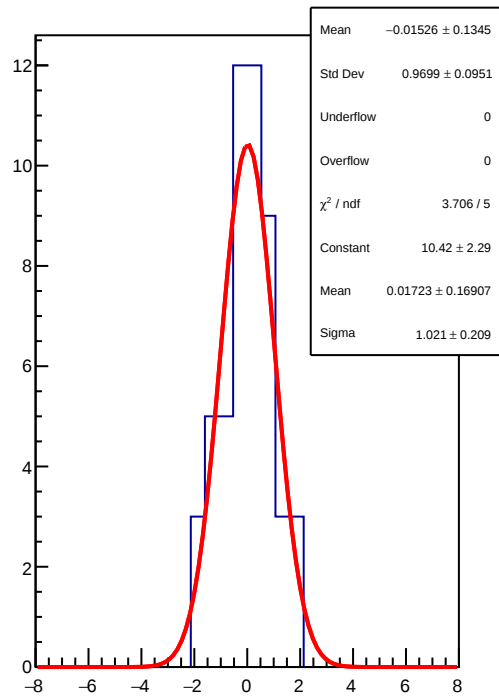
corr_usl_bpm12Y RMS (ppm)



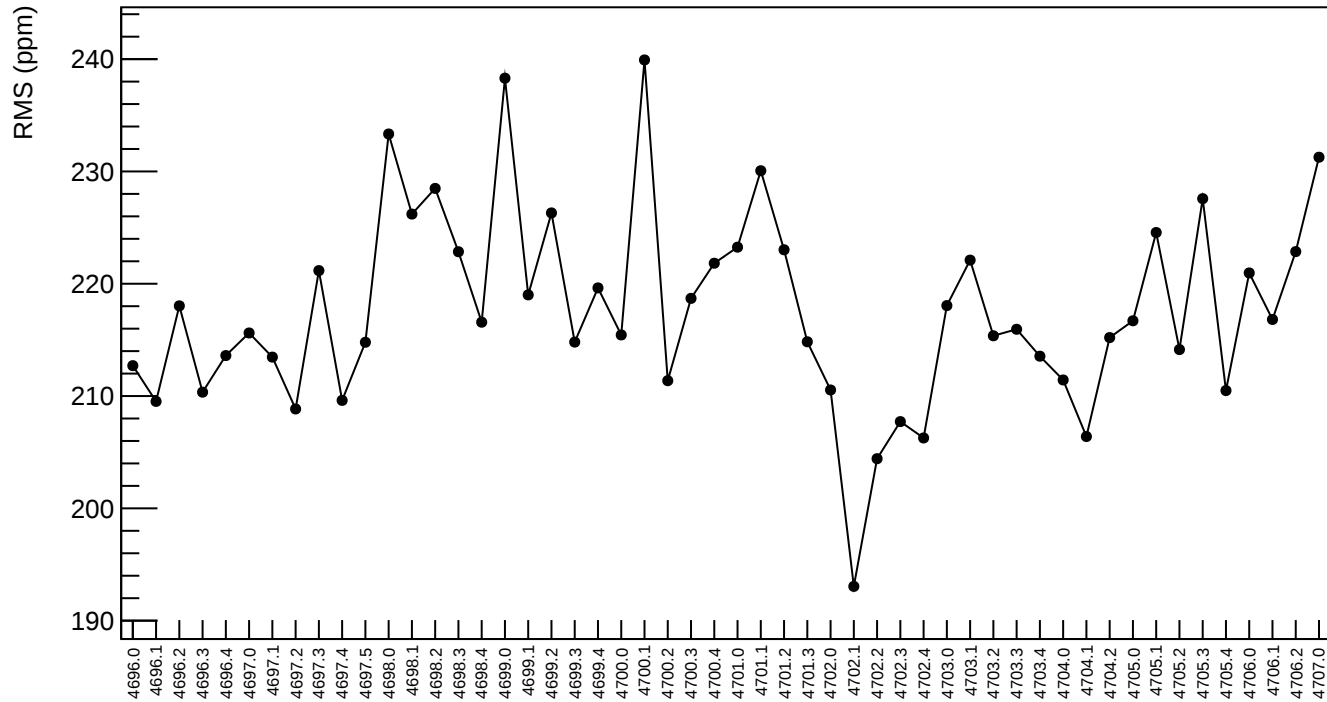
corr_usl_bpm11X (ppb)



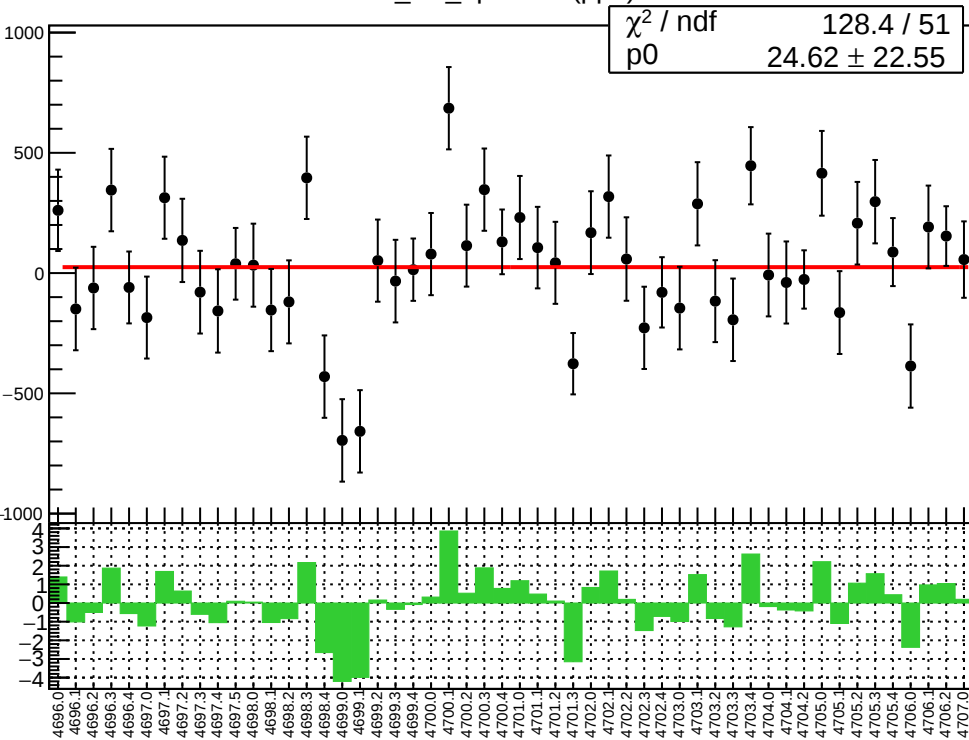
1D pull distribution



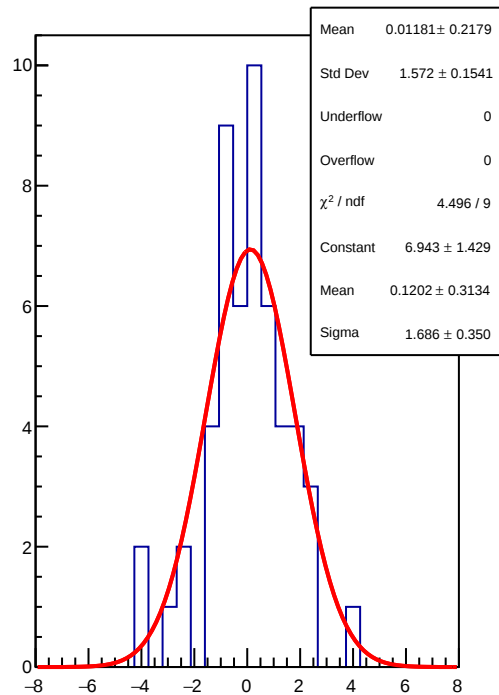
corr_usl_bpm11X RMS (ppm)



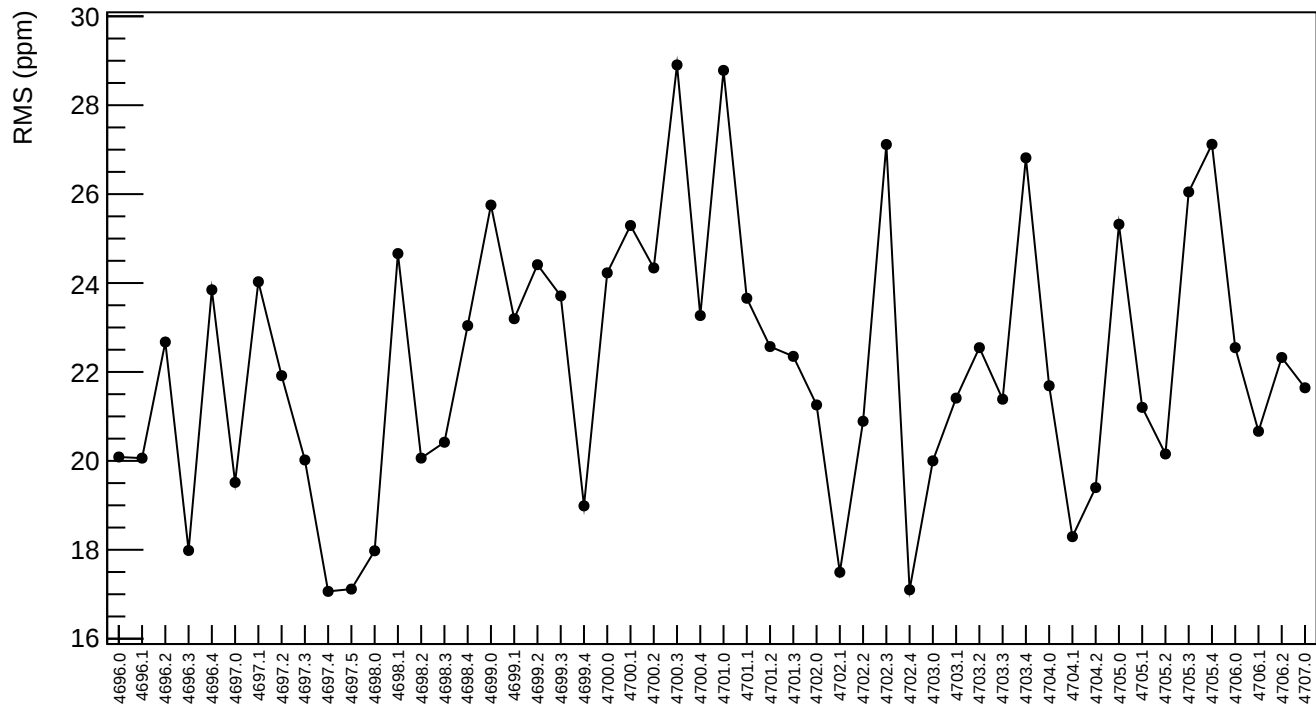
corr_usl_bpm11Y (ppb)



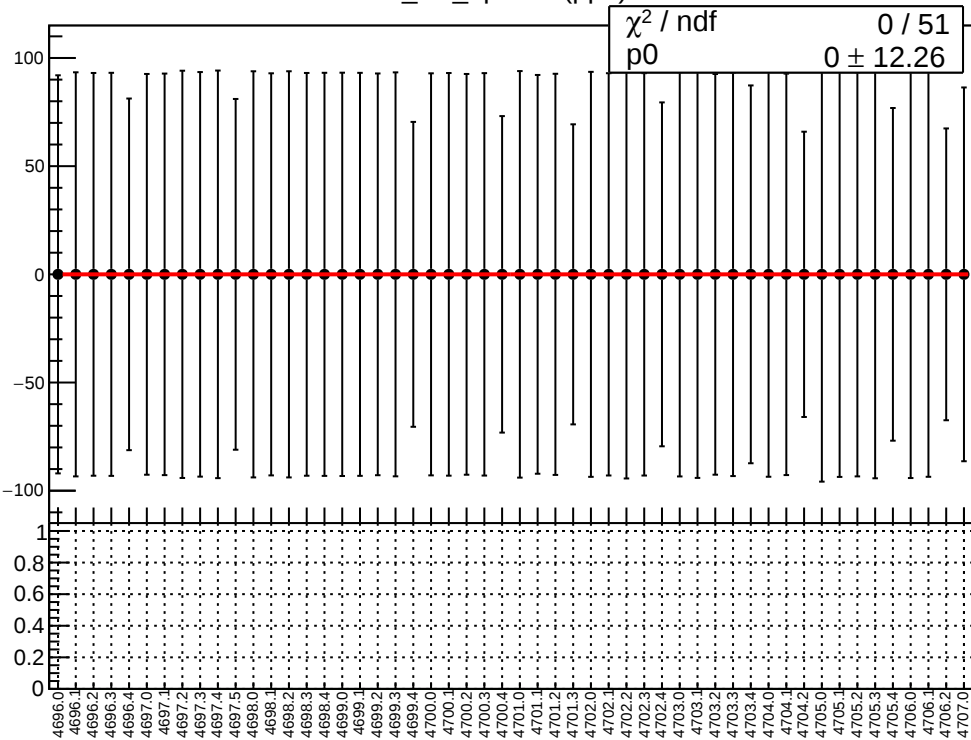
1D pull distribution



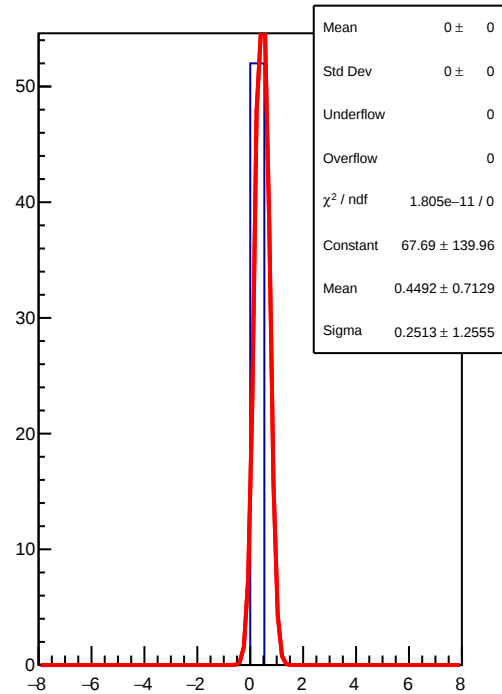
corr_usl_bpm11Y RMS (ppm)



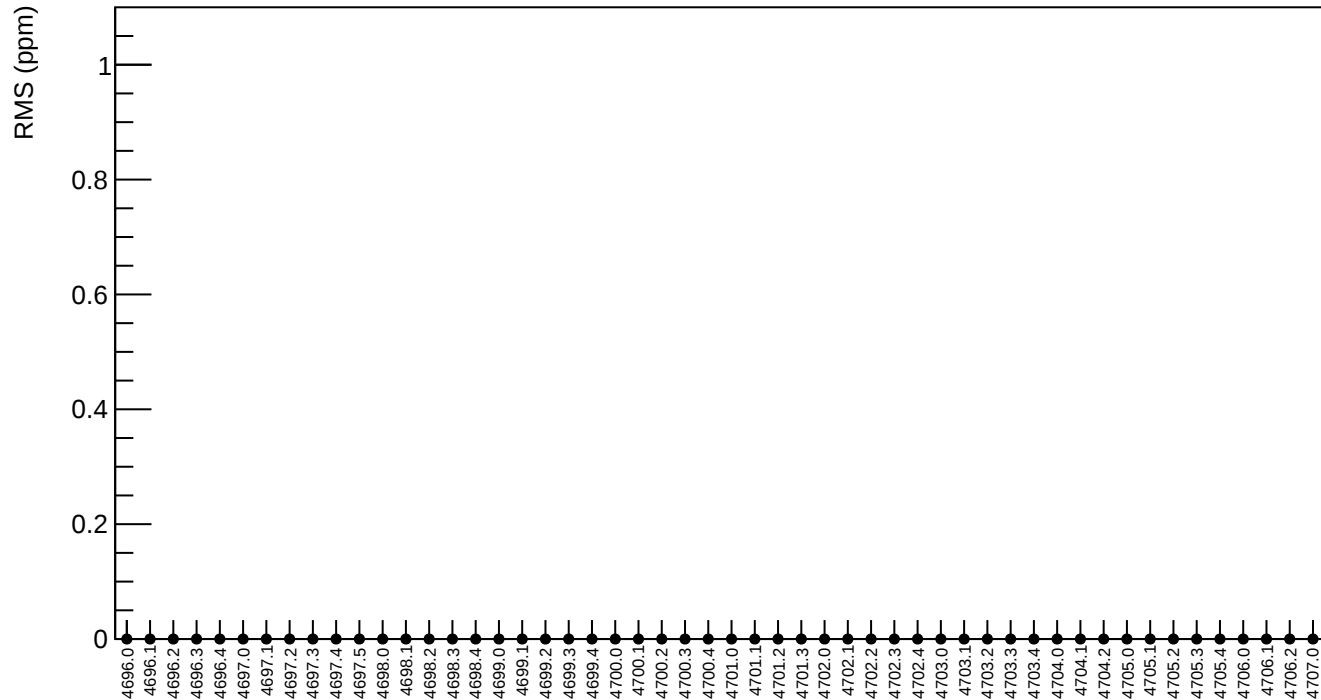
corr_usl_bpm8X (ppb)



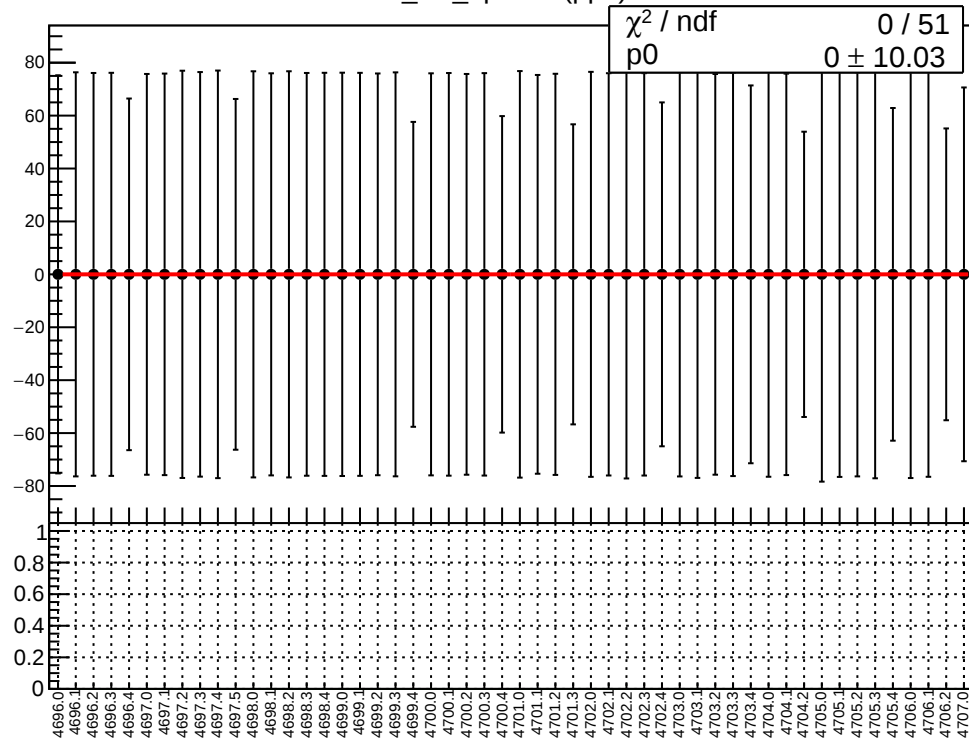
1D pull distribution



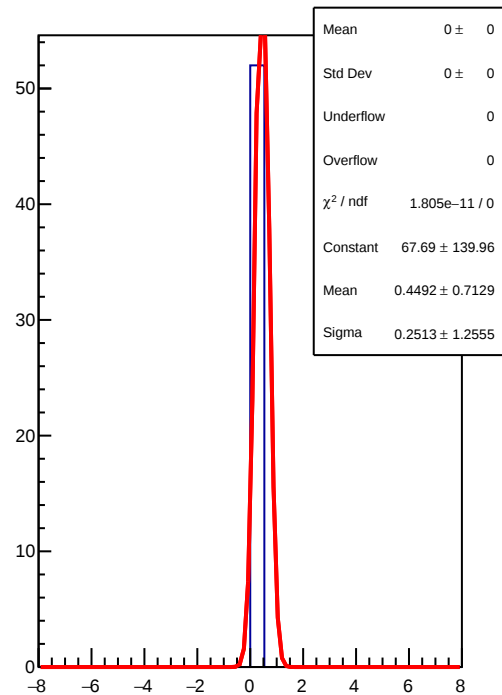
corr_usl_bpm8X RMS (ppm)



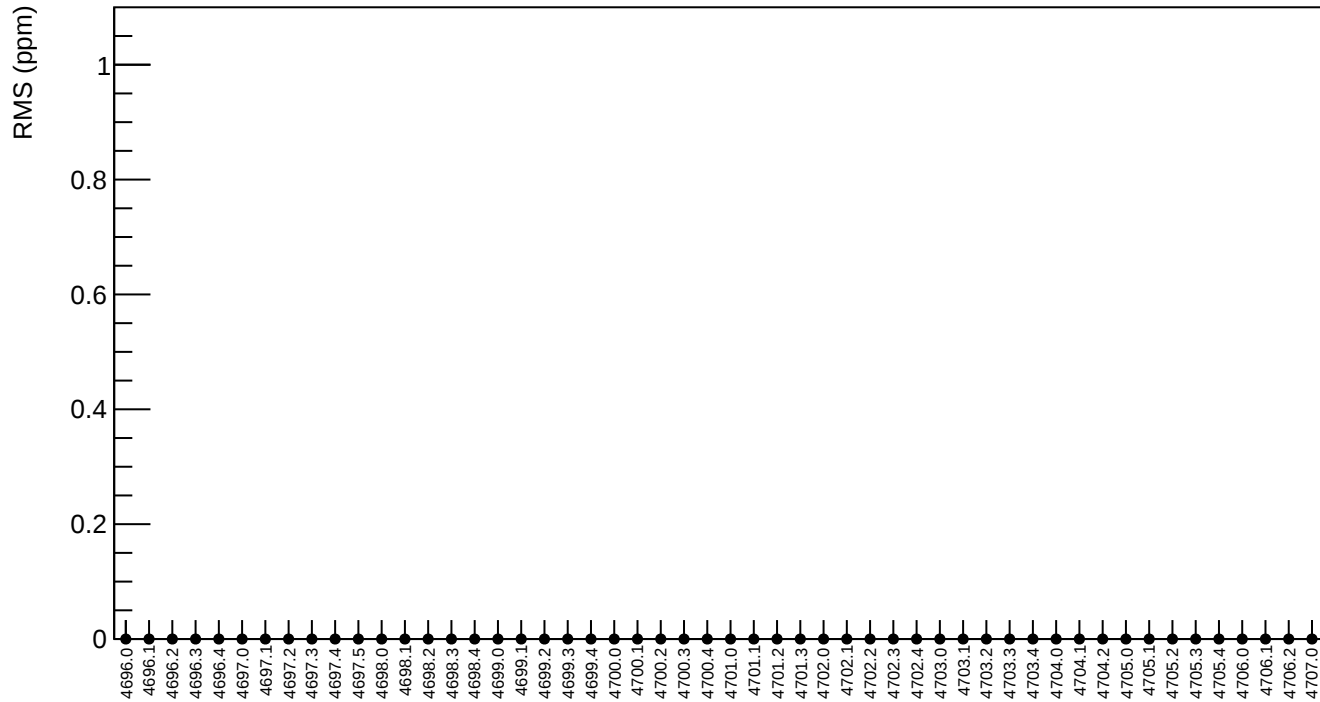
corr_usl_bpm8Y (ppb)



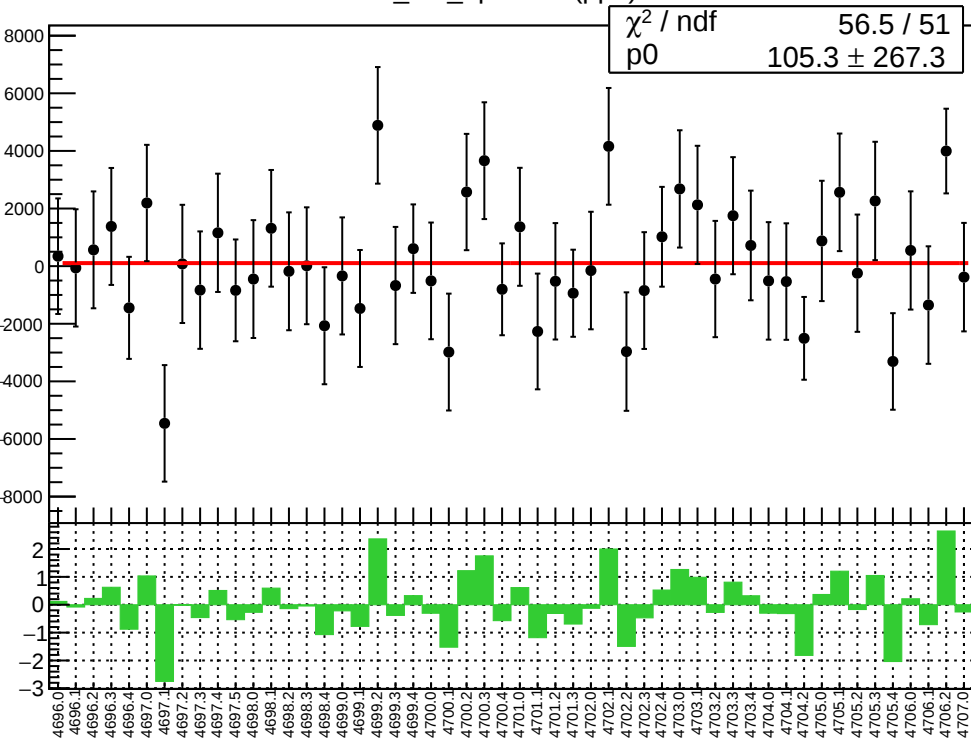
1D pull distribution



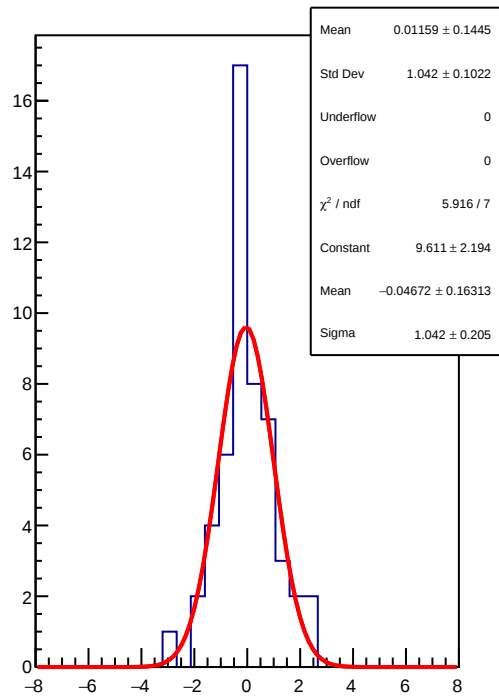
corr_usl_bpm8Y RMS (ppm)



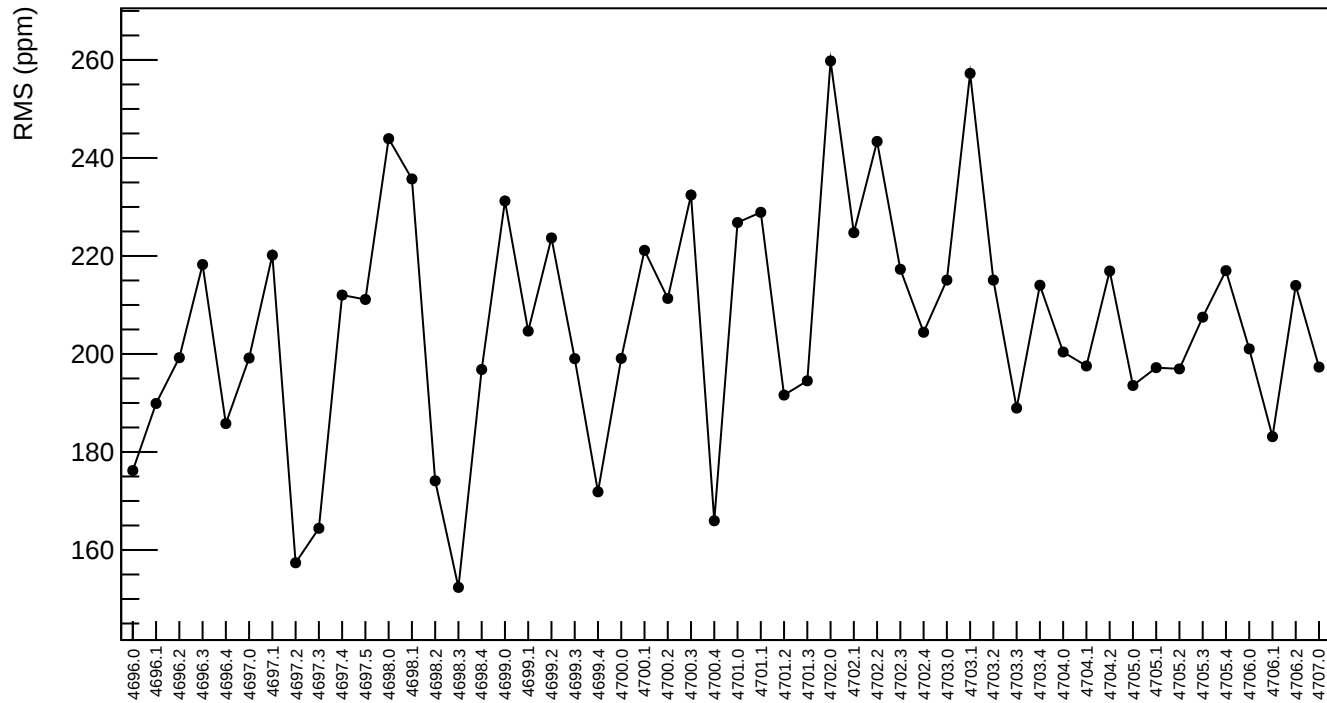
corr_usr_bpm4eX (ppb)



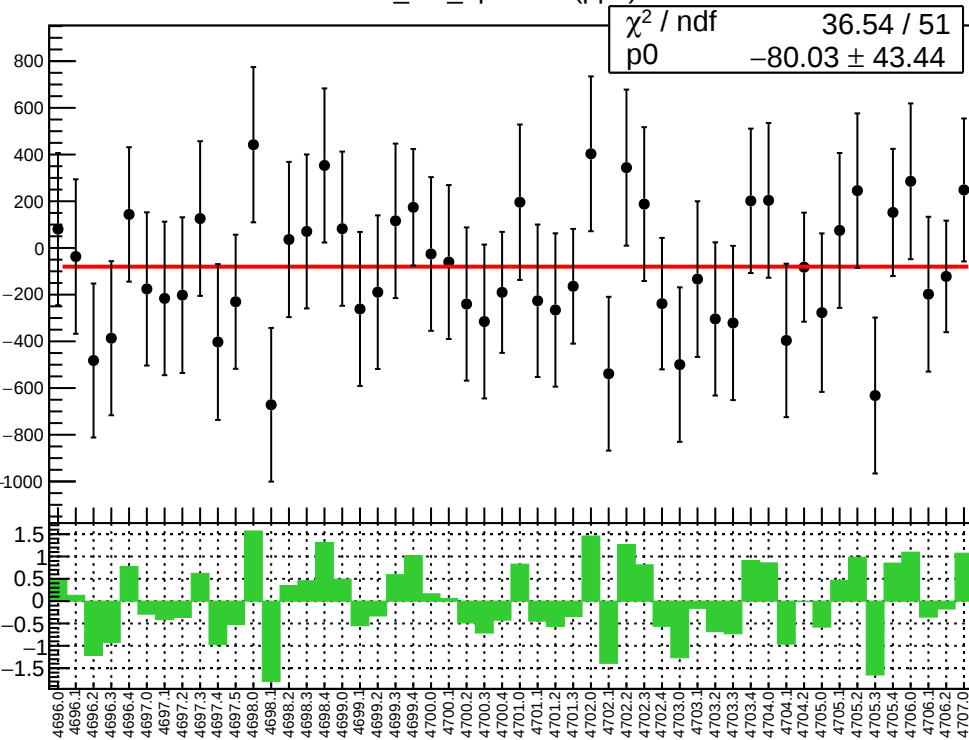
1D pull distribution



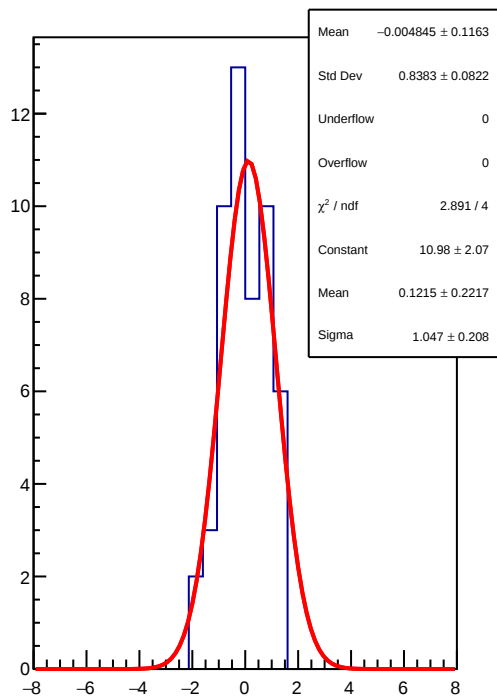
corr_usr_bpm4eX RMS (ppm)



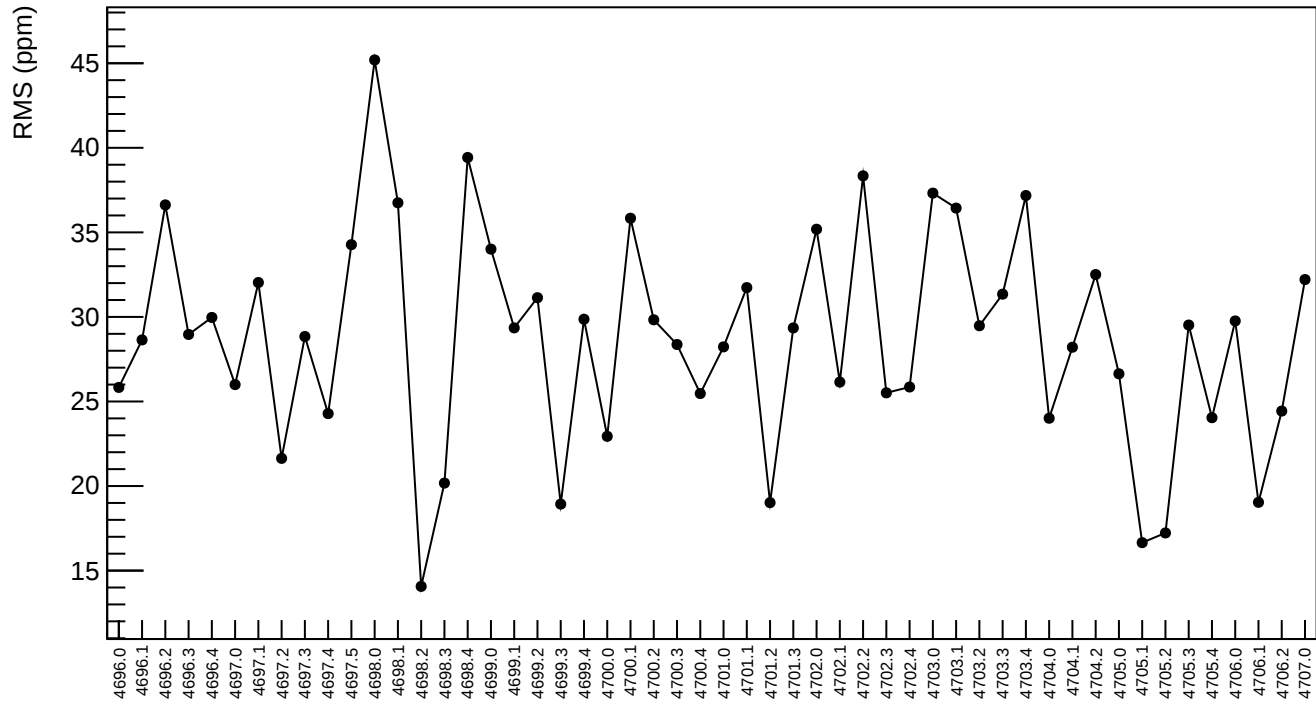
corr_usr_bpm4eY (ppb)



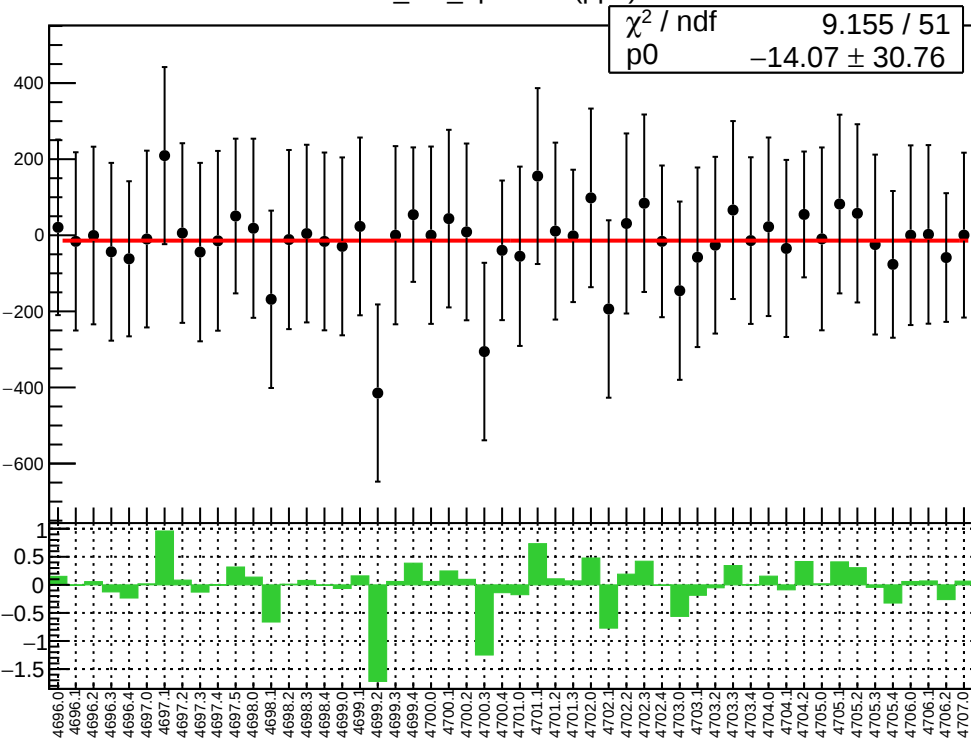
1D pull distribution



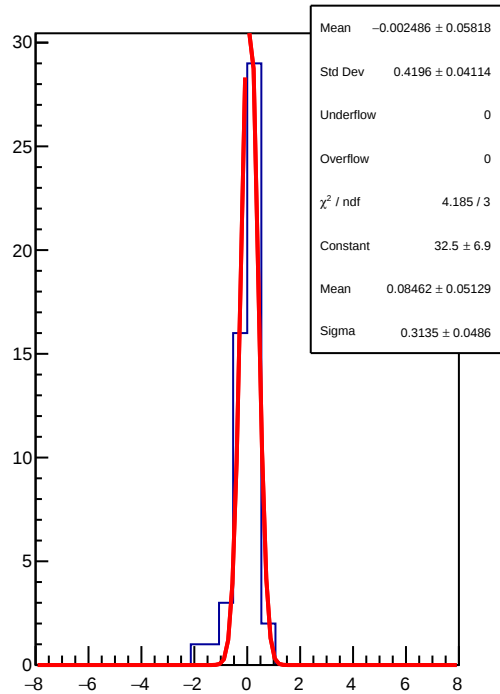
corr_usr_bpm4eY RMS (ppm)



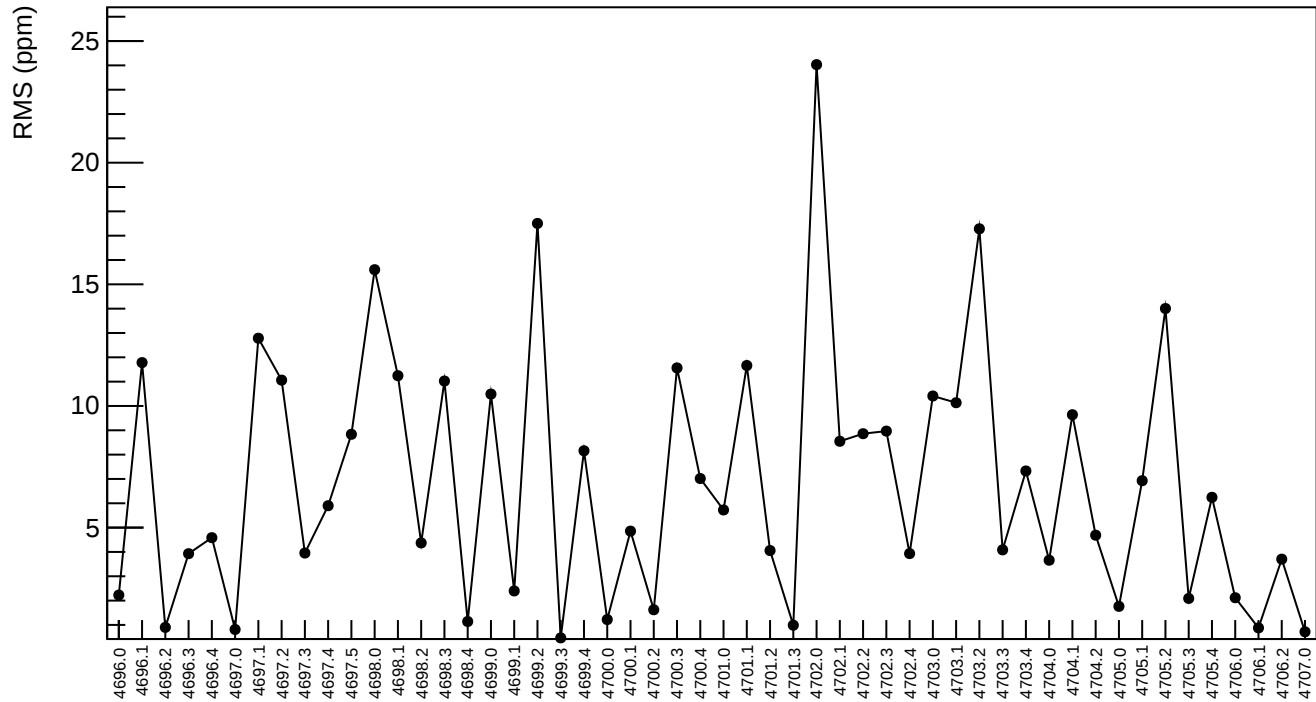
corr_usr_bpm4aX (ppb)



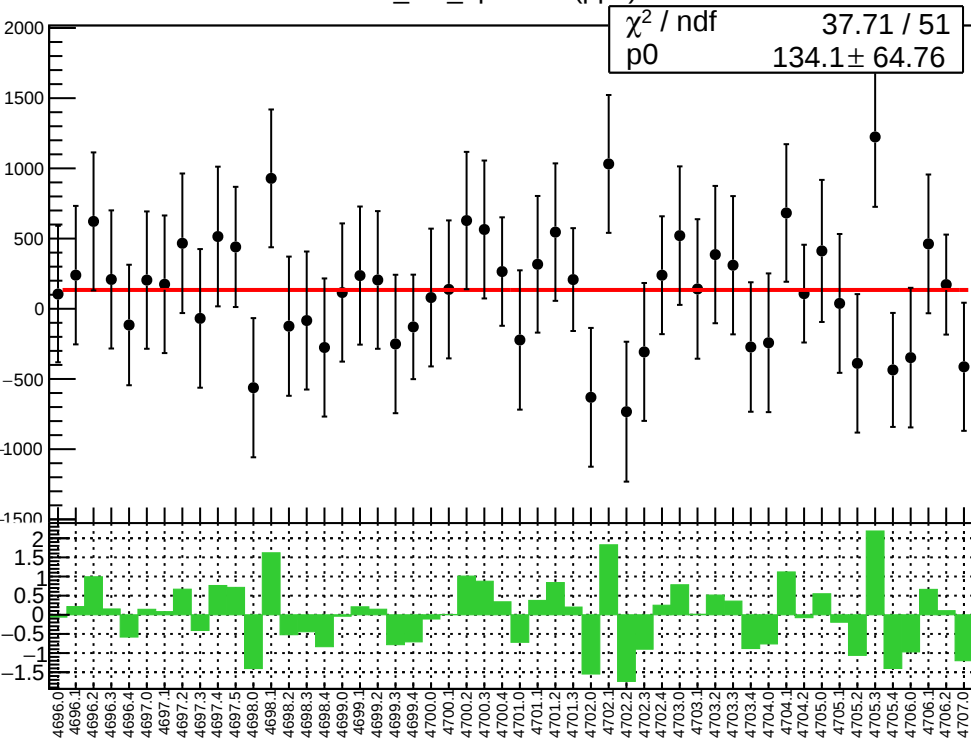
1D pull distribution



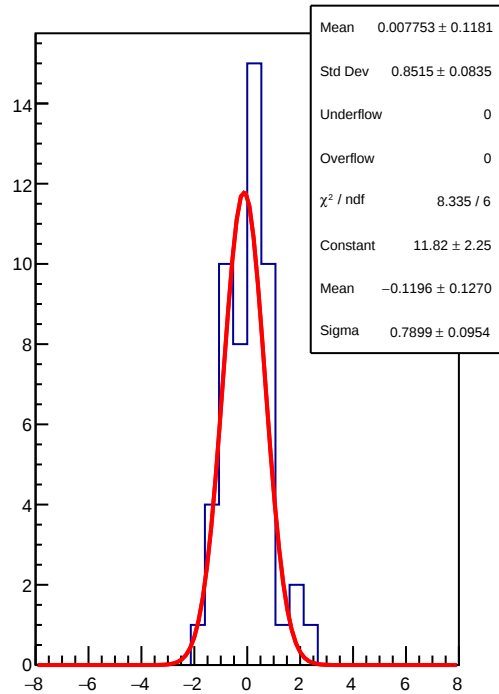
corr_usr_bpm4aX RMS (ppm)



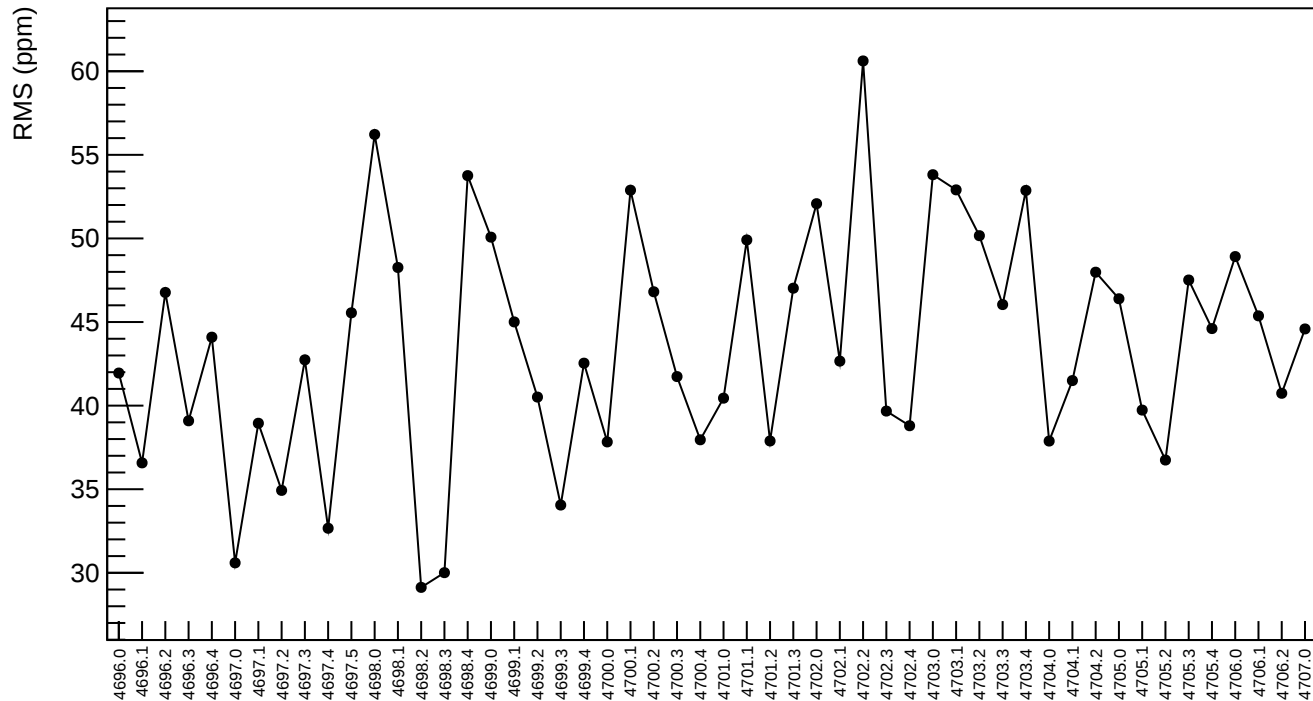
corr_usr_bpm4aY (ppb)



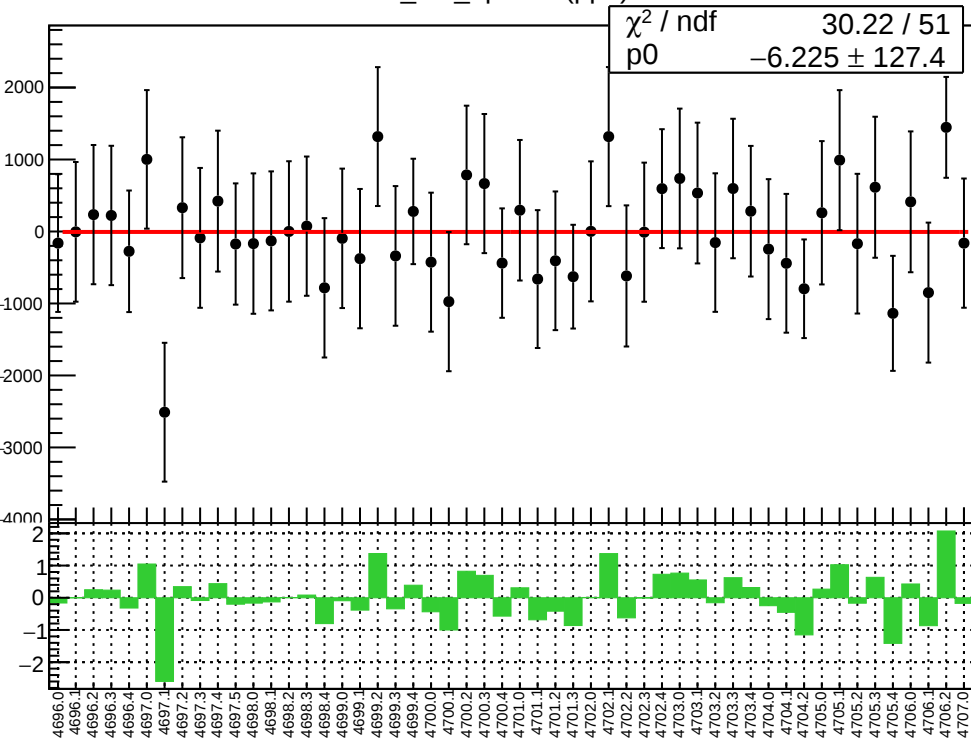
1D pull distribution



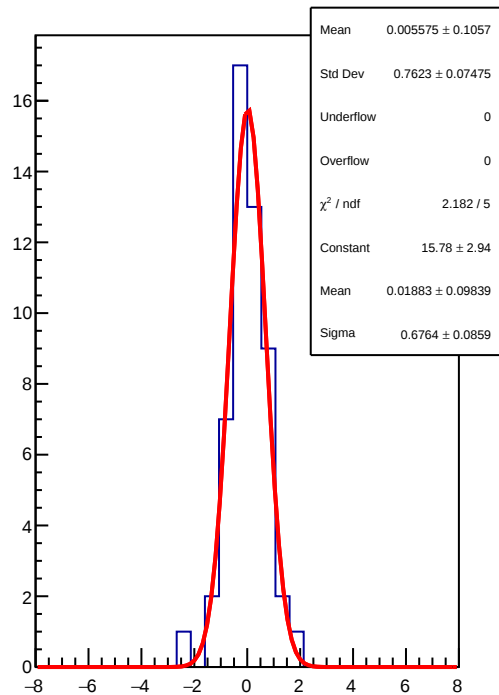
corr_usr_bpm4aY RMS (ppm)



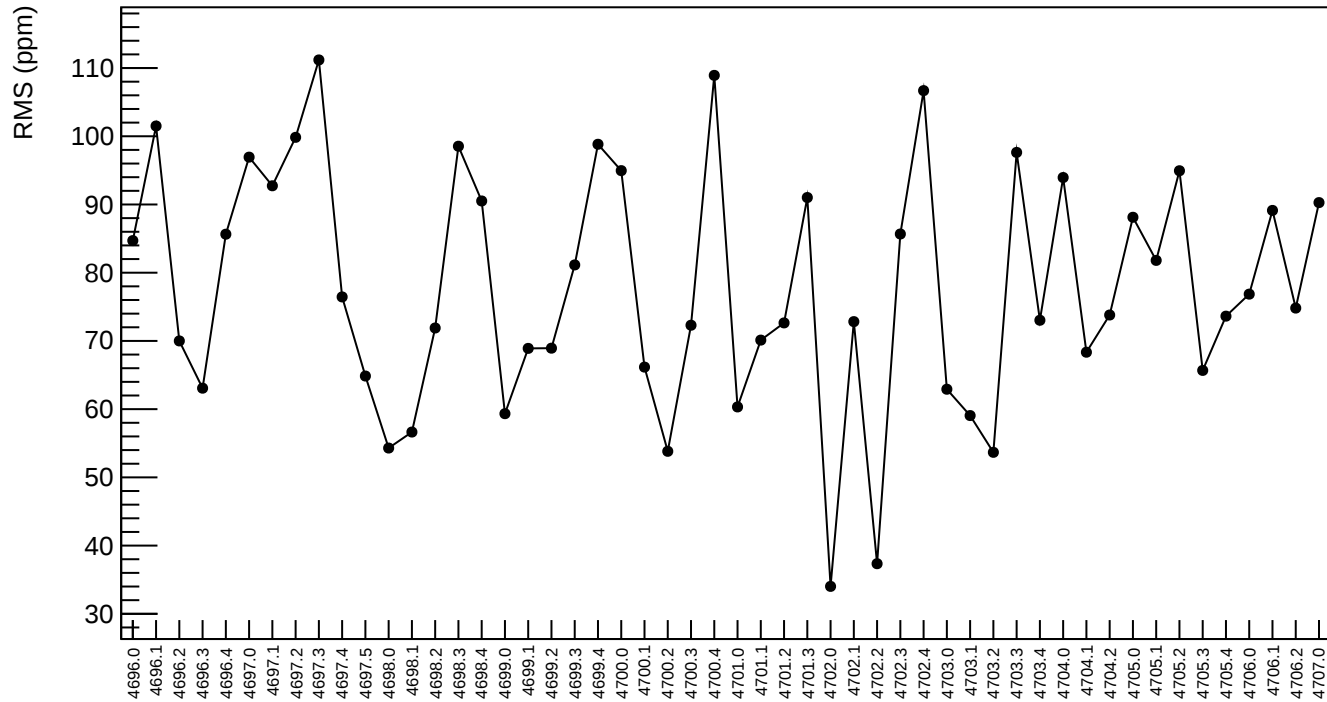
corr_usr_bpm1X (ppb)



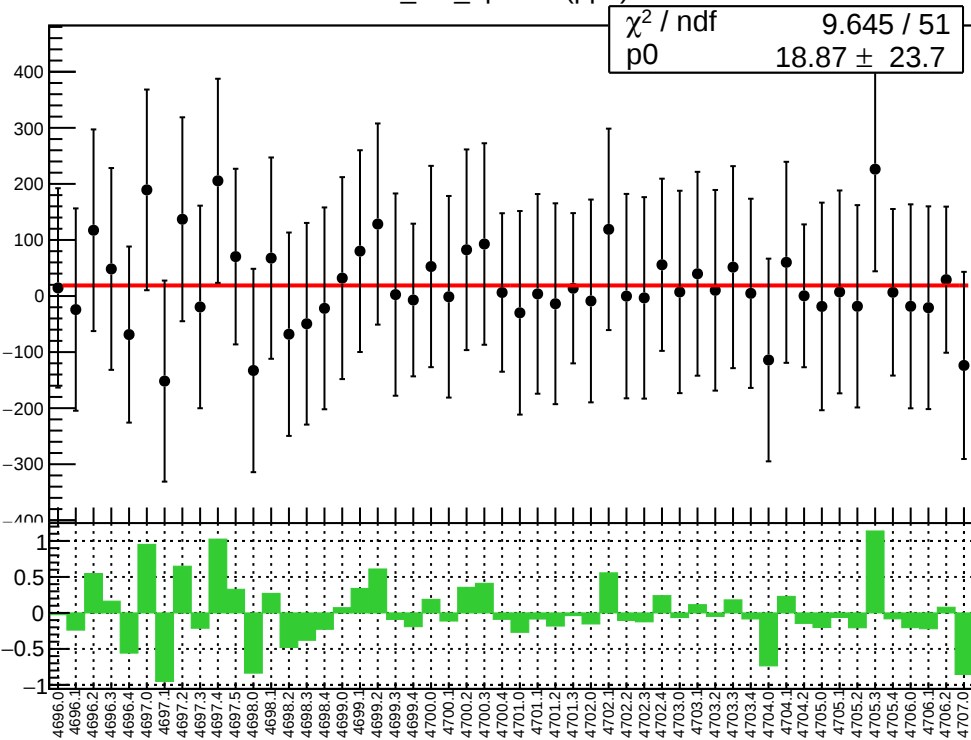
1D pull distribution



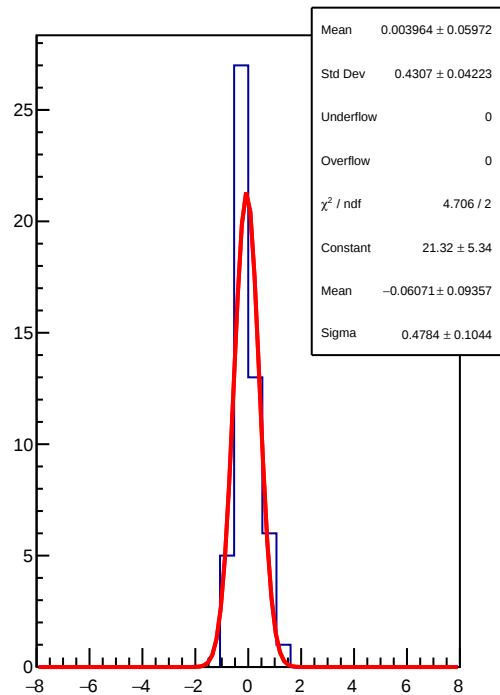
corr_usr_bpm1X RMS (ppm)



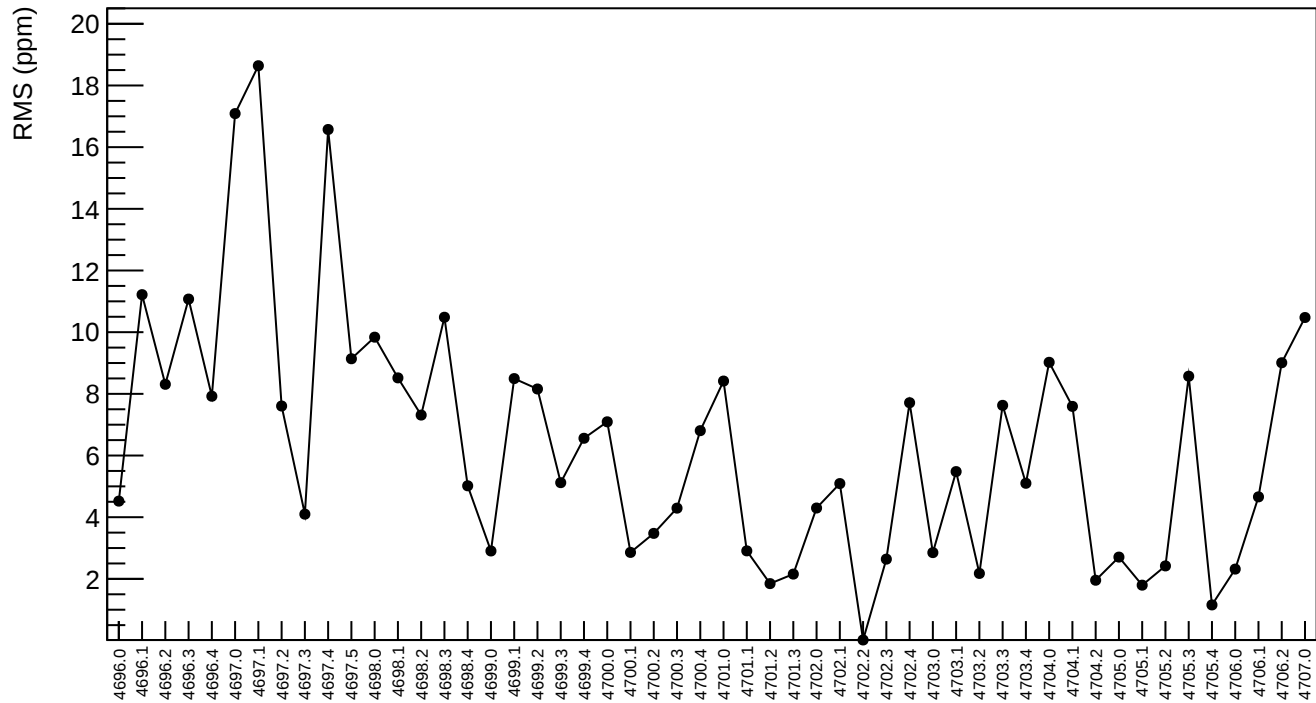
corr_usr_bpm1Y (ppb)



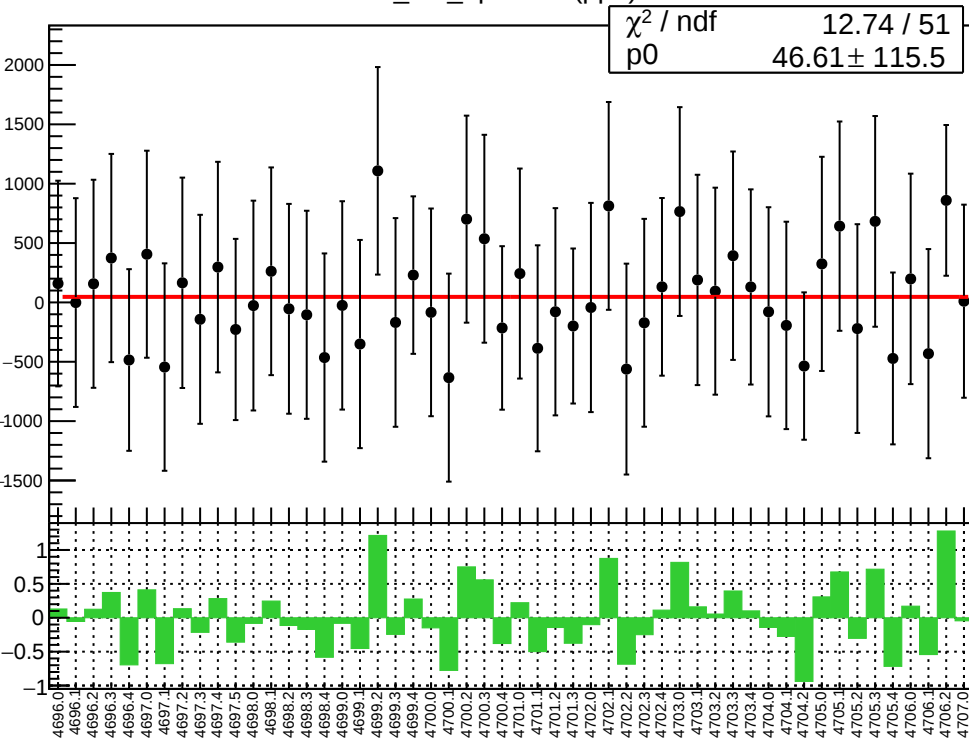
1D pull distribution



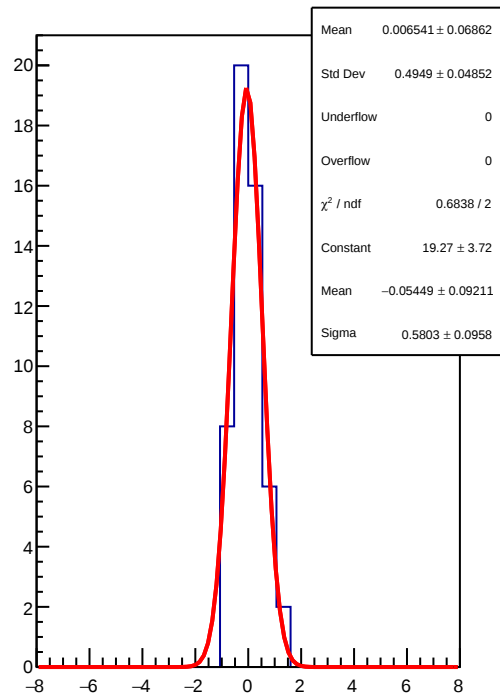
corr_usr_bpm1Y RMS (ppm)



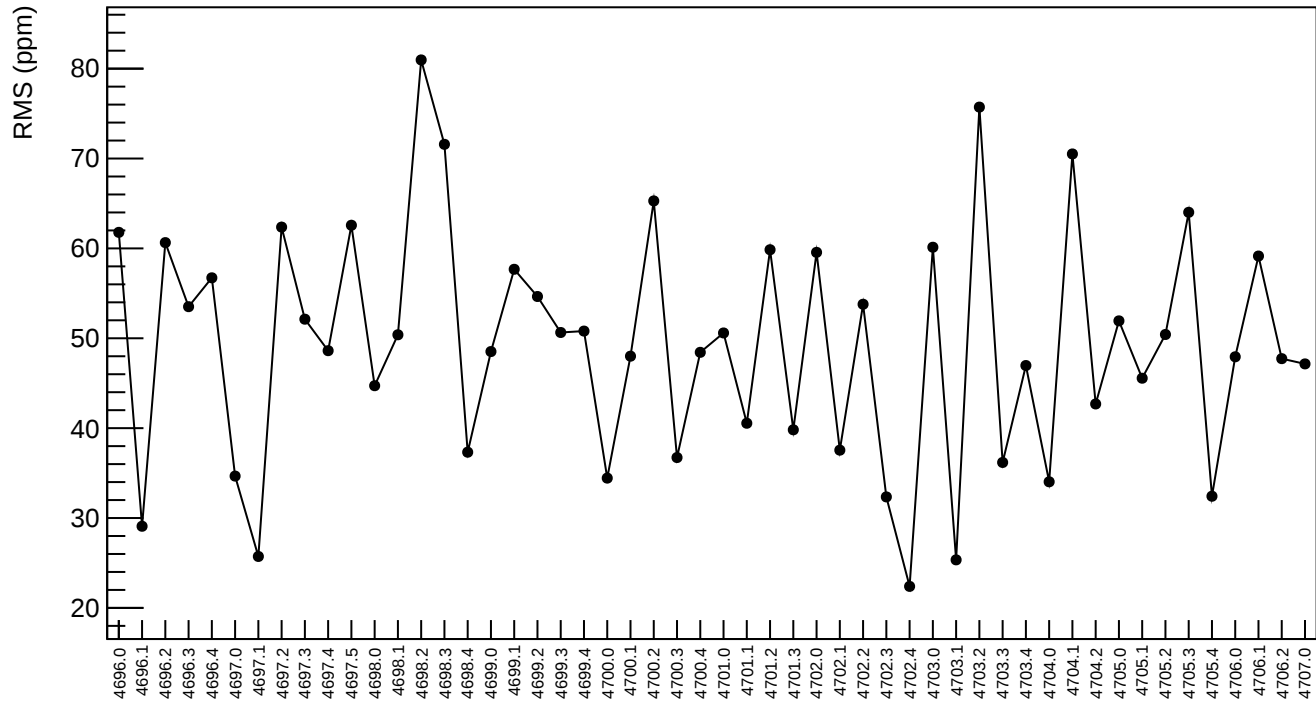
corr_usr_bpm16X (ppb)



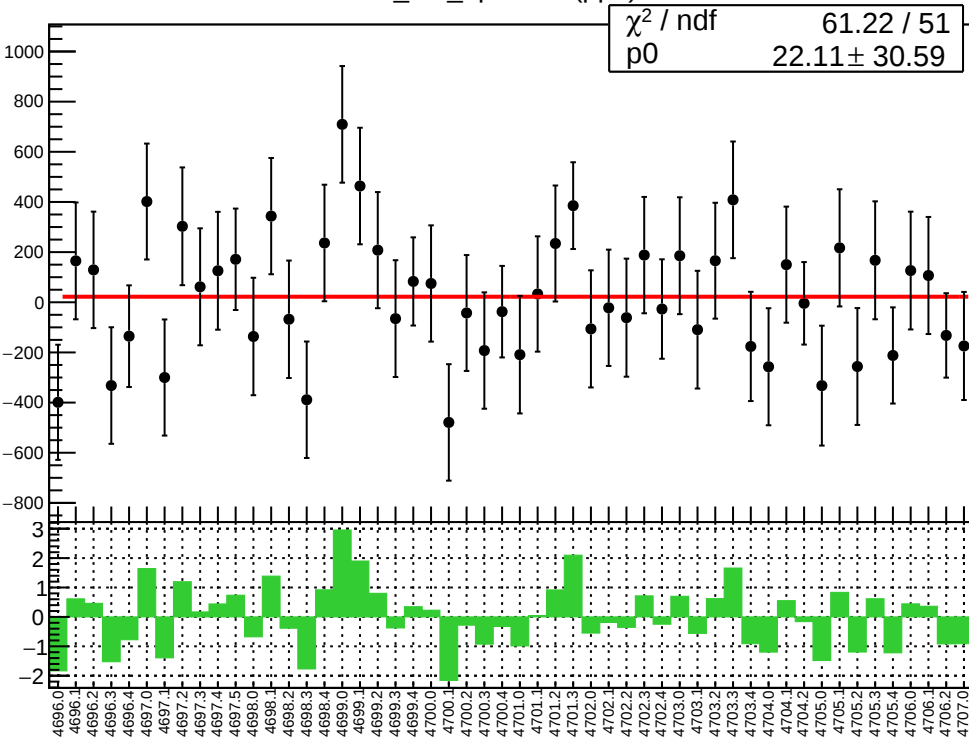
1D pull distribution



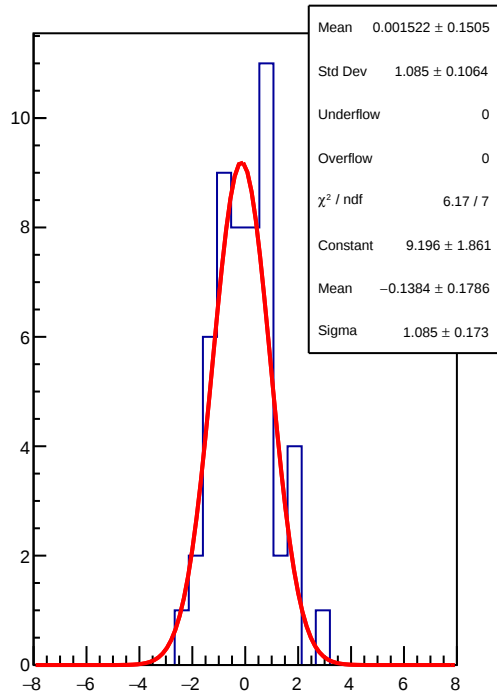
corr_usr_bpm16X RMS (ppm)



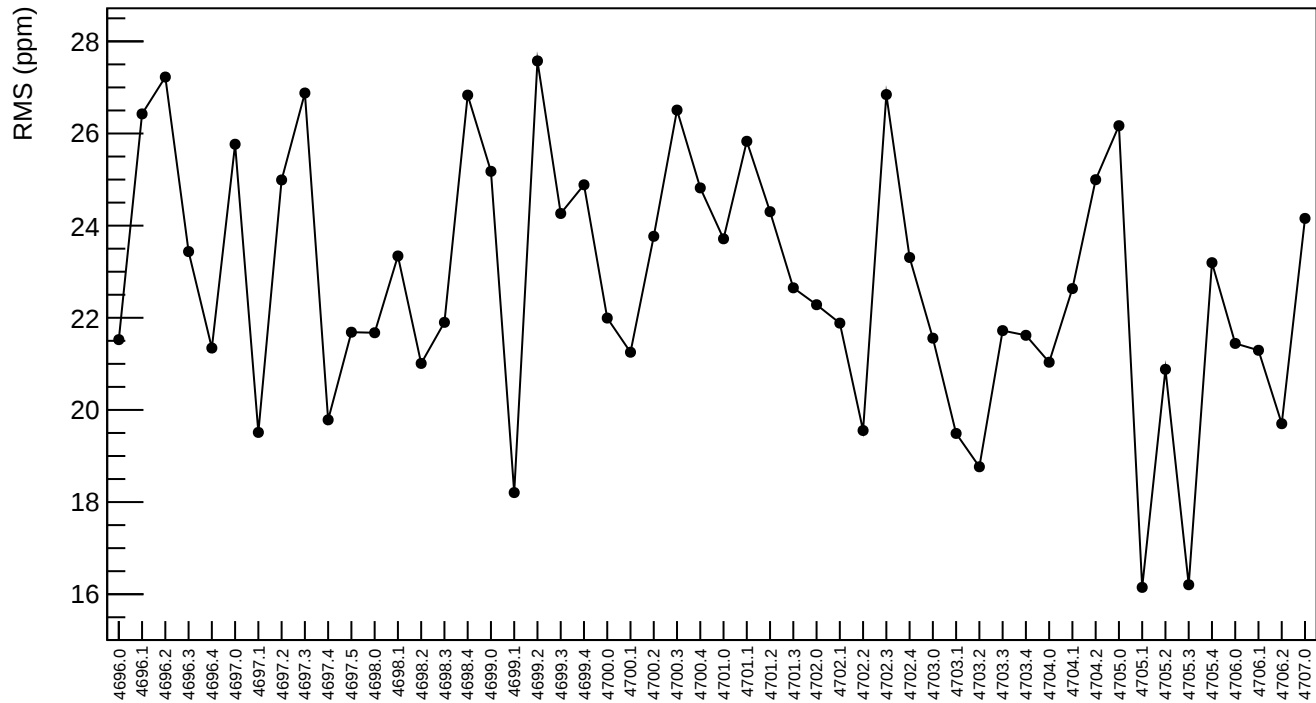
corr_usr_bpm16Y (ppb)



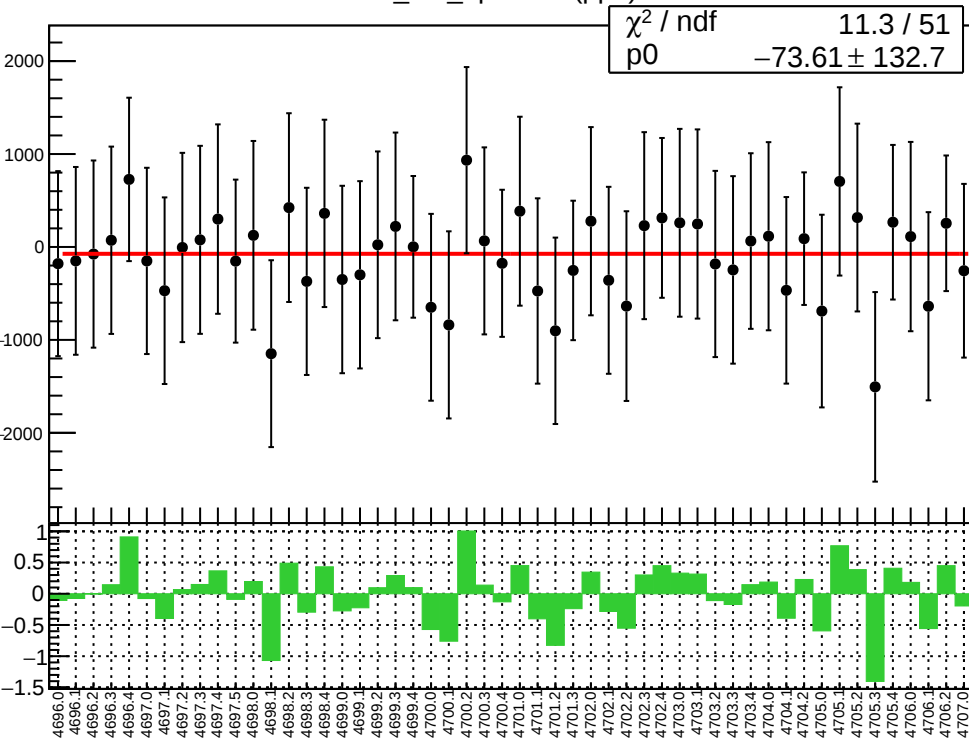
1D pull distribution



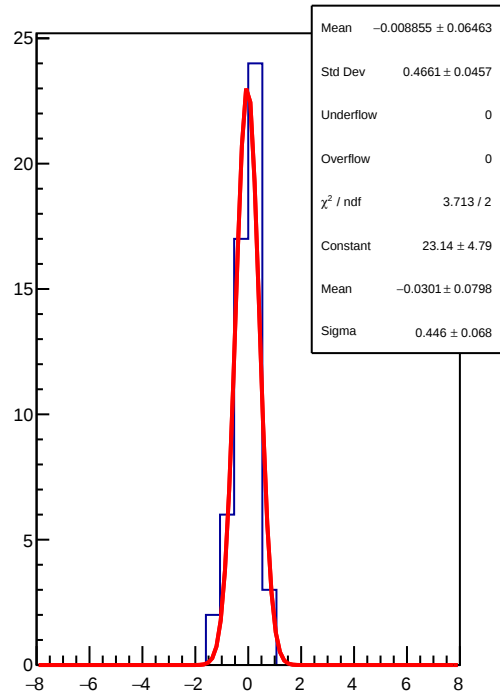
corr_usr_bpm16Y RMS (ppm)



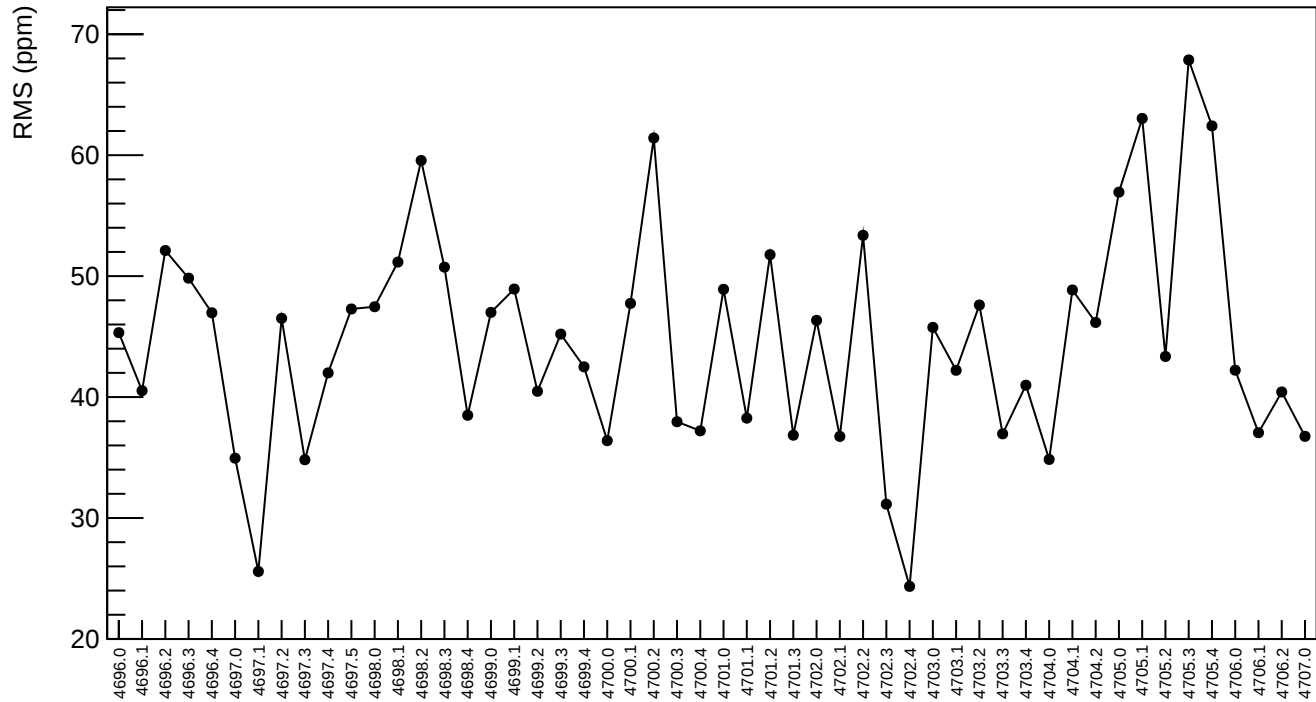
corr_usr_bpm12X (ppb)



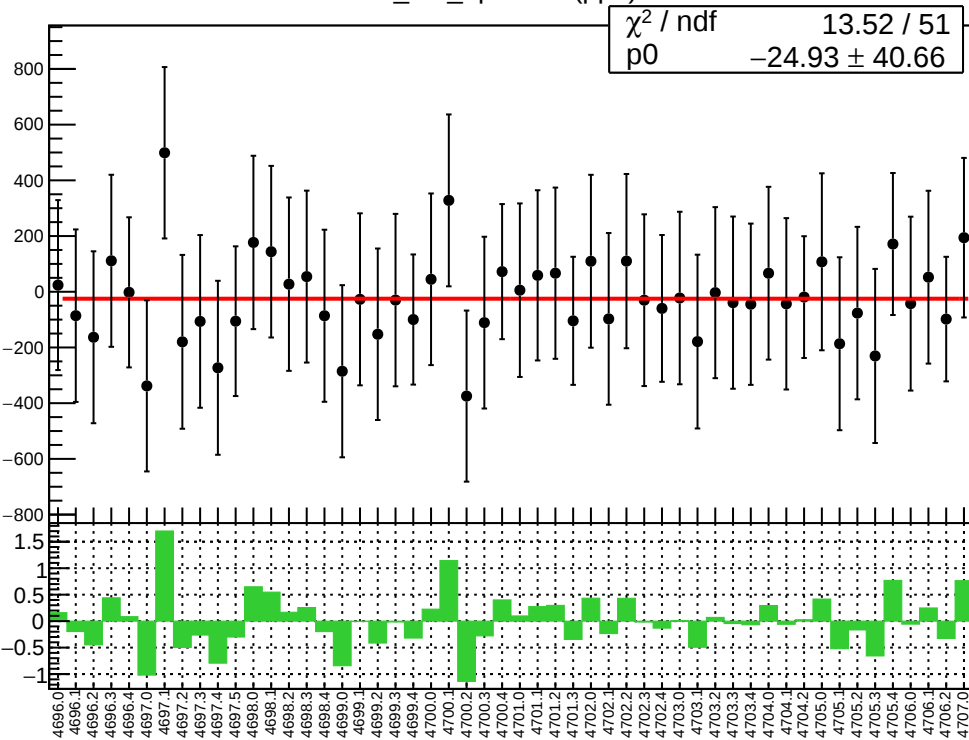
1D pull distribution



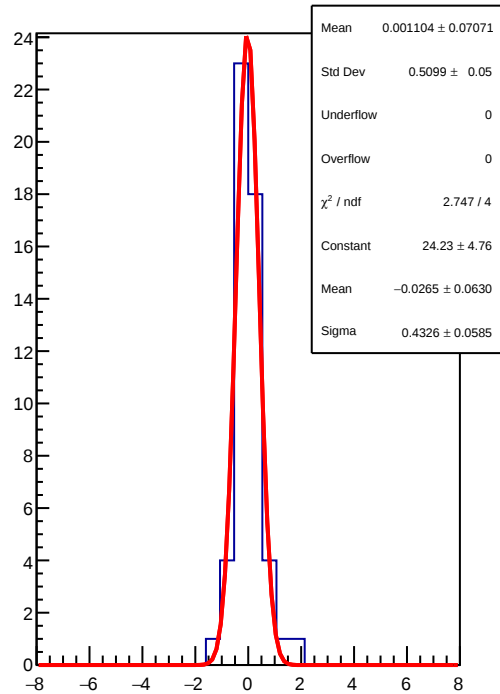
corr_usr_bpm12X RMS (ppm)



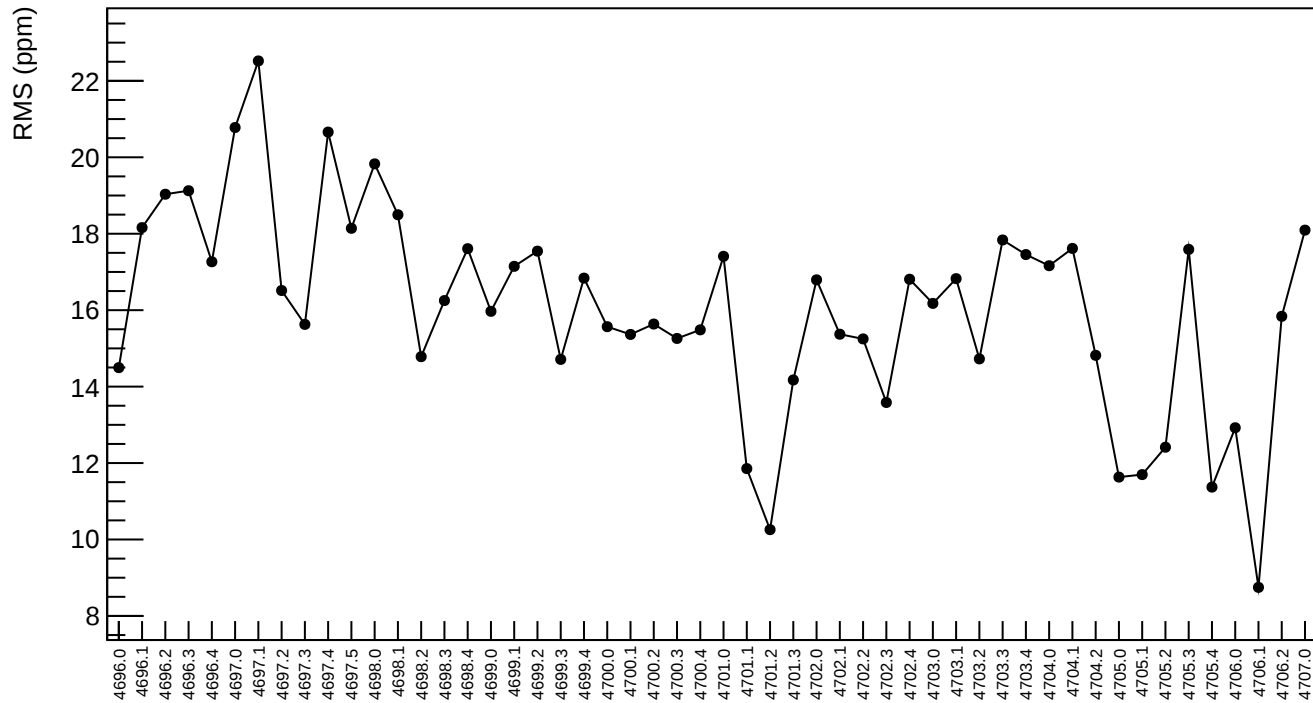
corr_usr_bpm12Y (ppb)



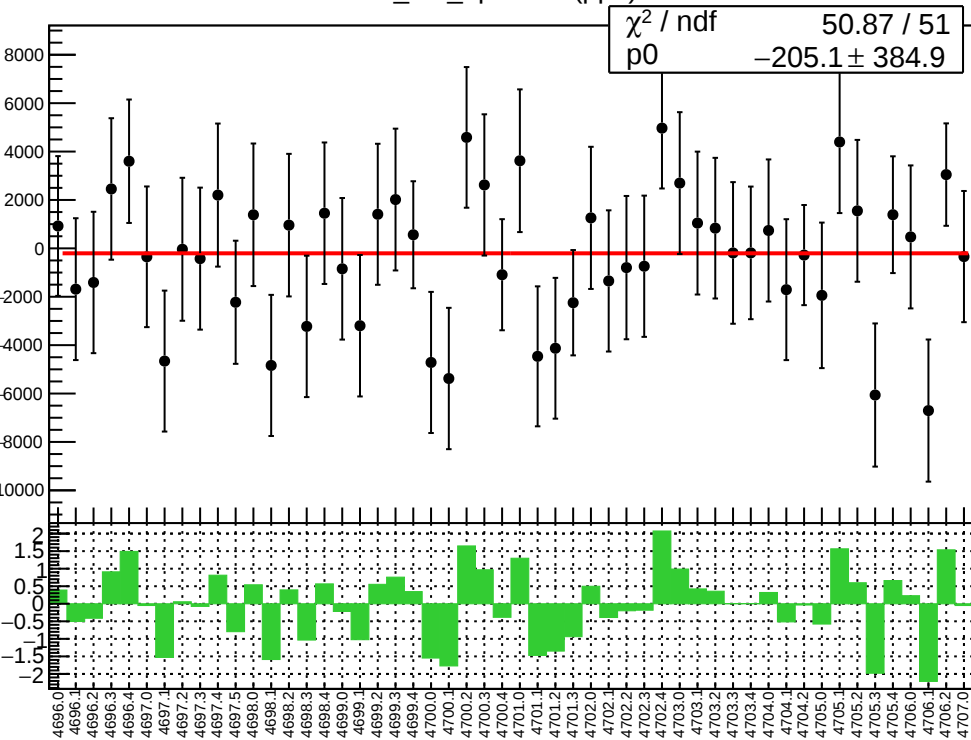
1D pull distribution



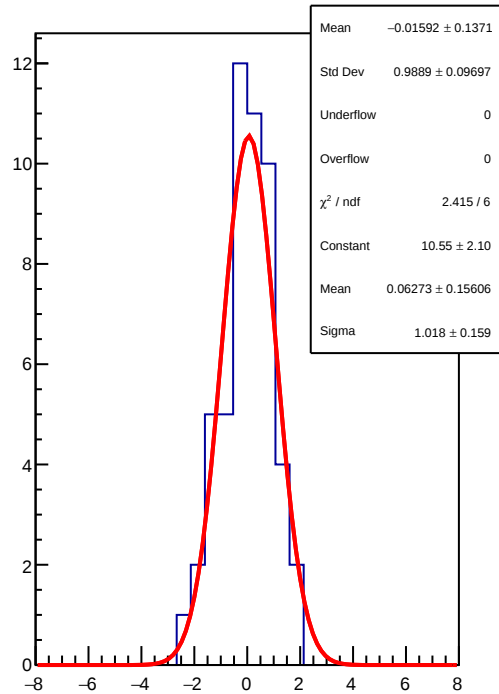
corr_usr_bpm12Y RMS (ppm)



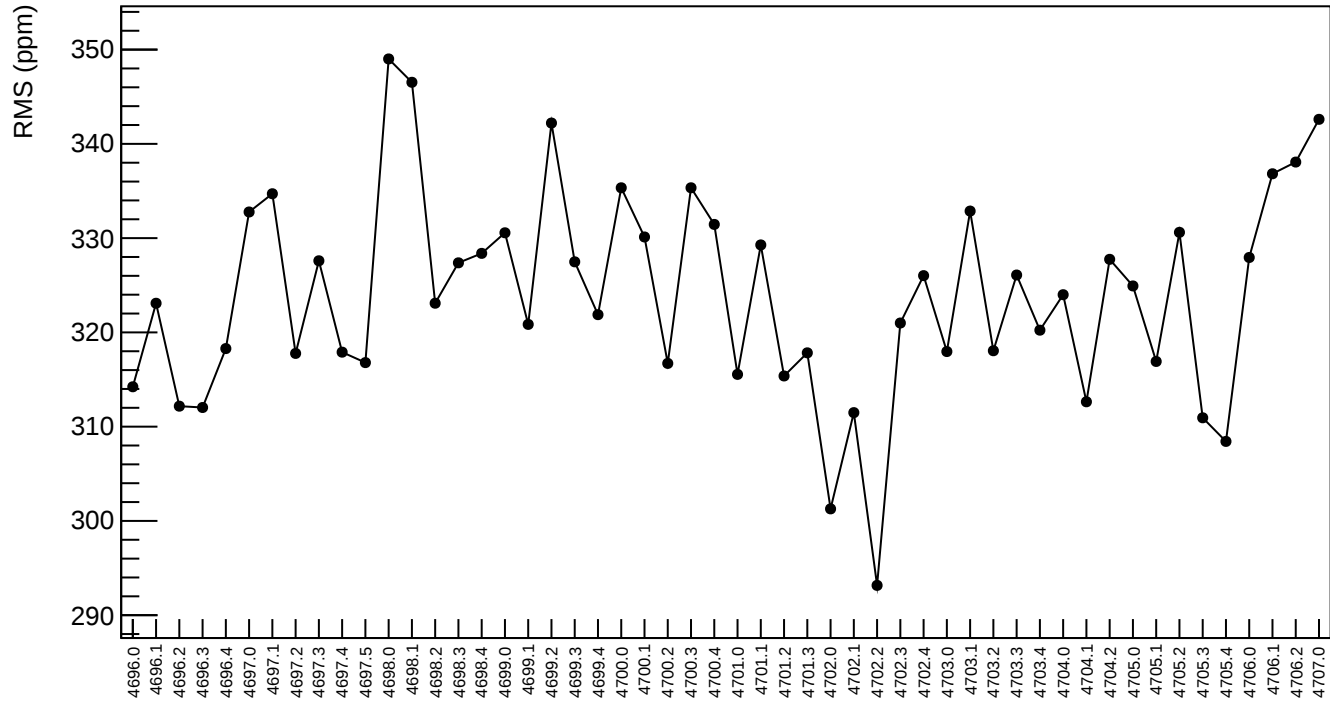
corr_usr_bpm11X (ppb)



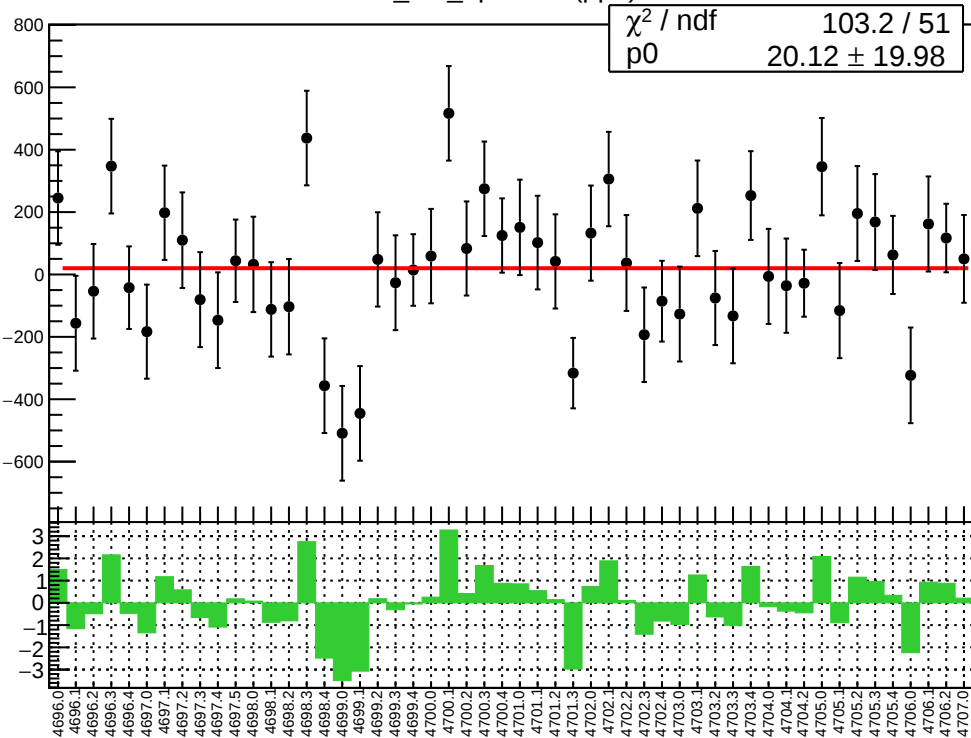
1D pull distribution



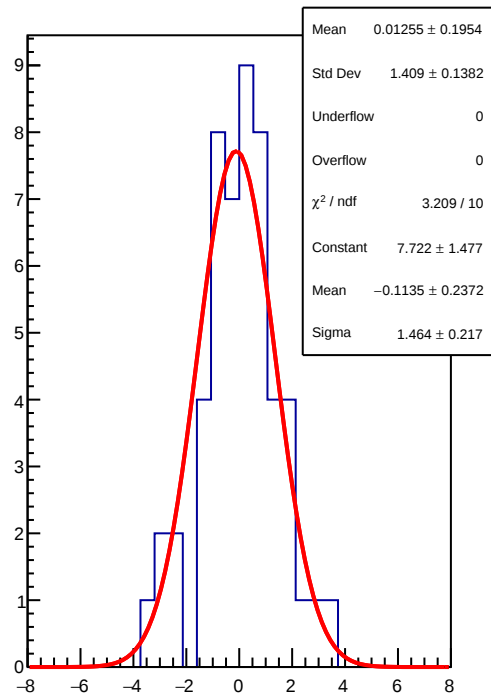
corr_usr_bpm11X RMS (ppm)



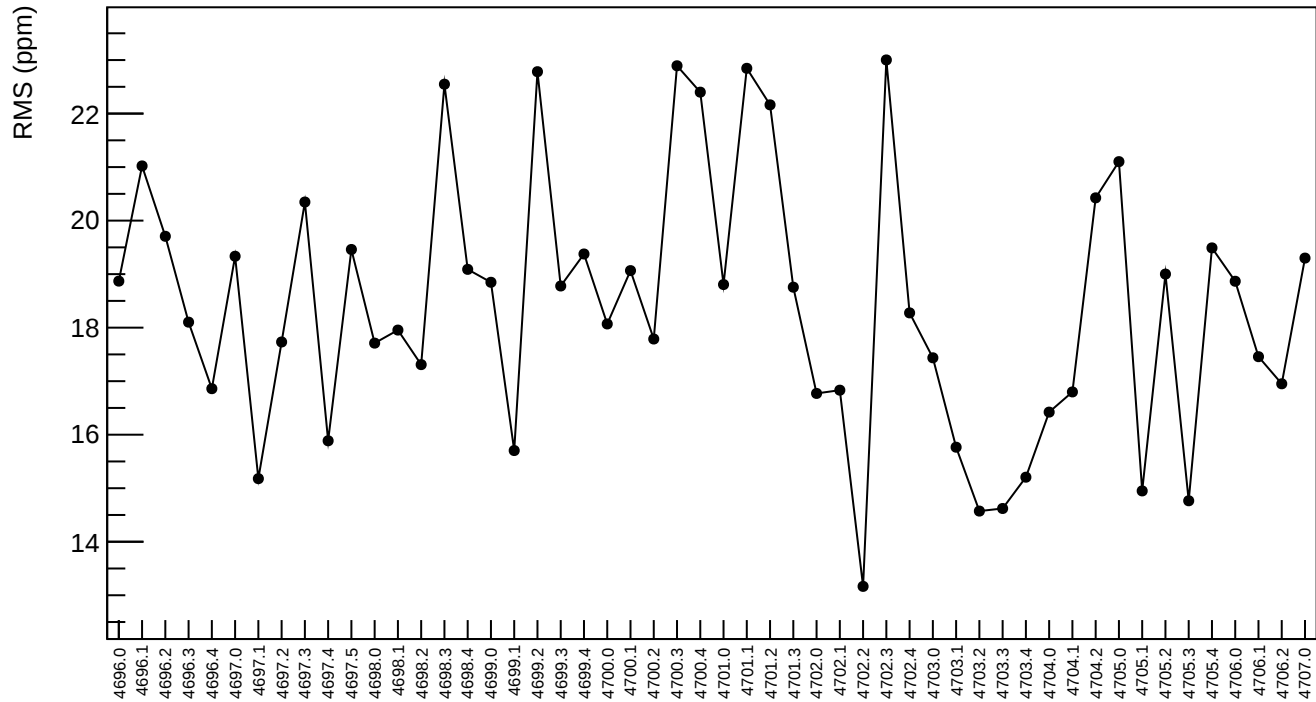
corr_usr_bpm11Y (ppb)



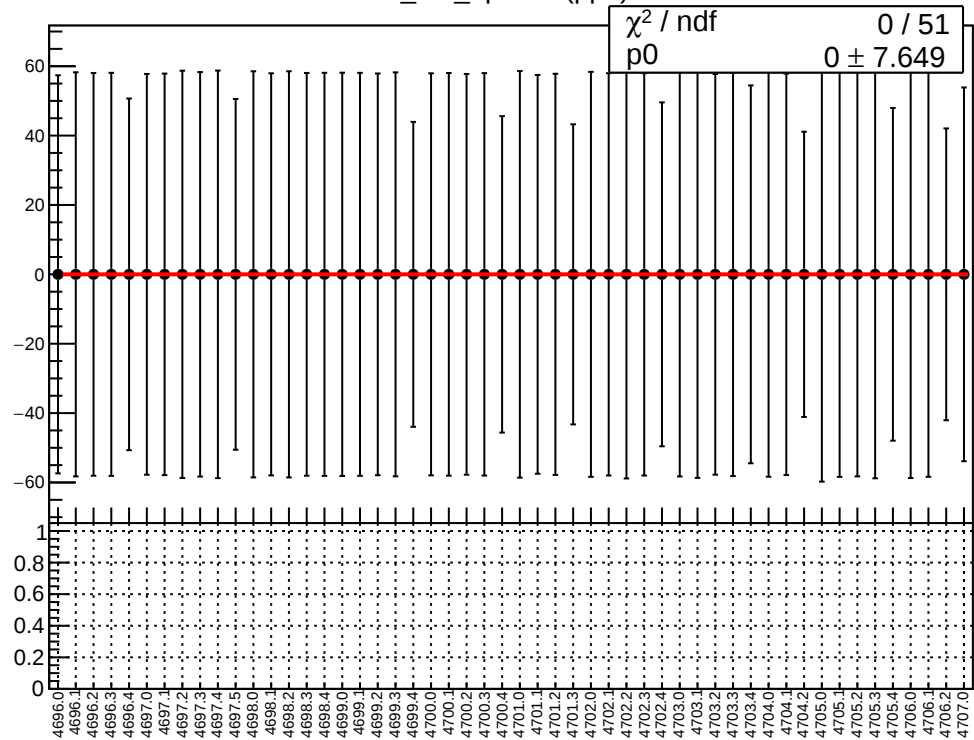
1D pull distribution



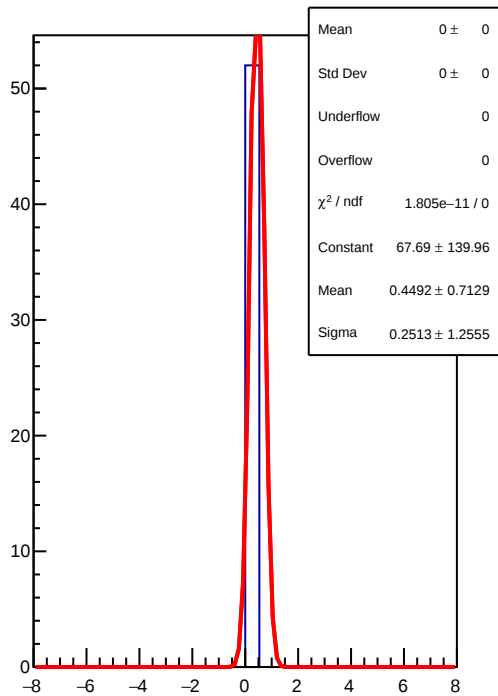
corr_usr_bpm11Y RMS (ppm)



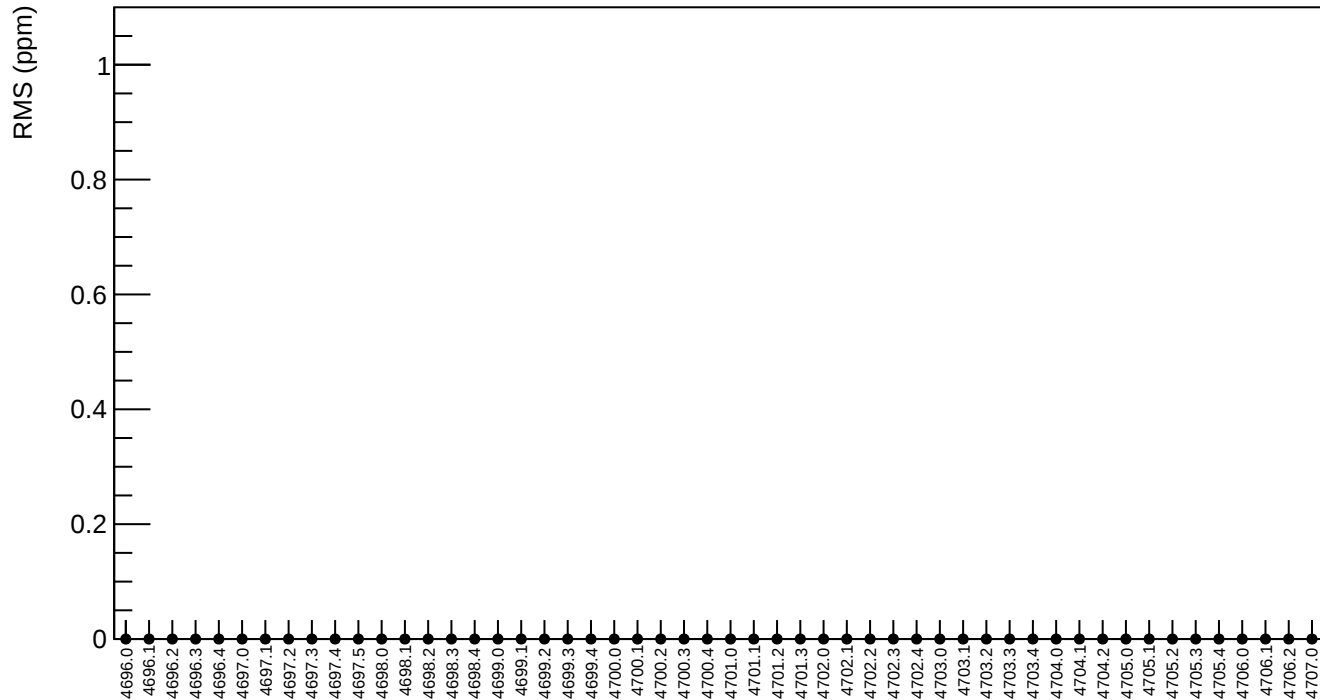
corr_usr_bpm8X (ppb)



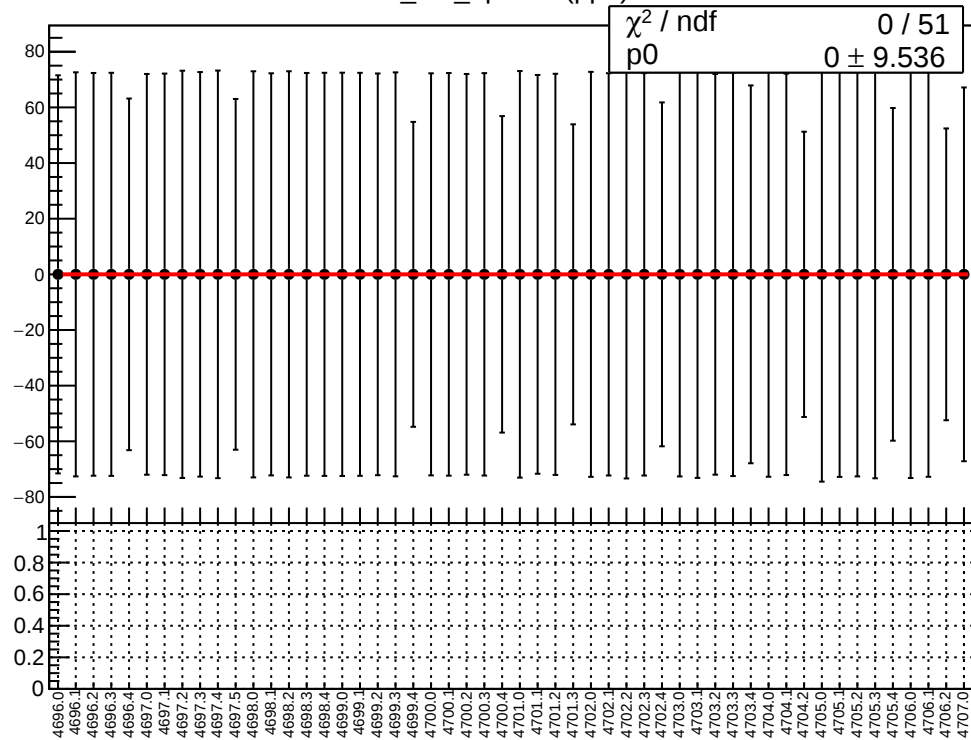
1D pull distribution



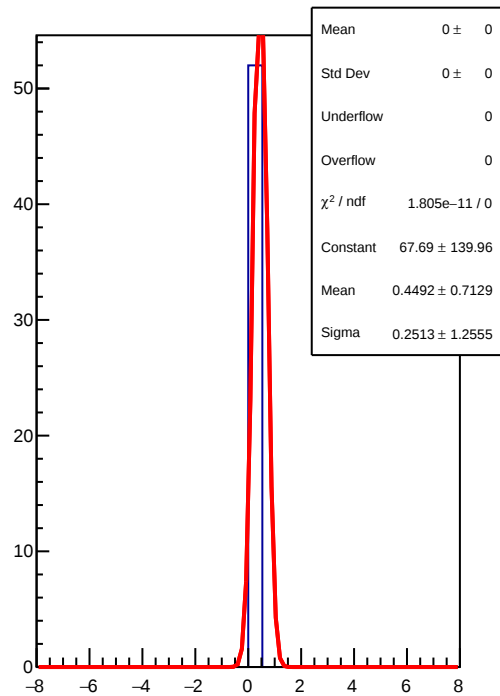
corr_usr_bpm8X RMS (ppm)



corr_usr_bpm8Y (ppb)



1D pull distribution



corr_usr_bpm8Y RMS (ppm)

