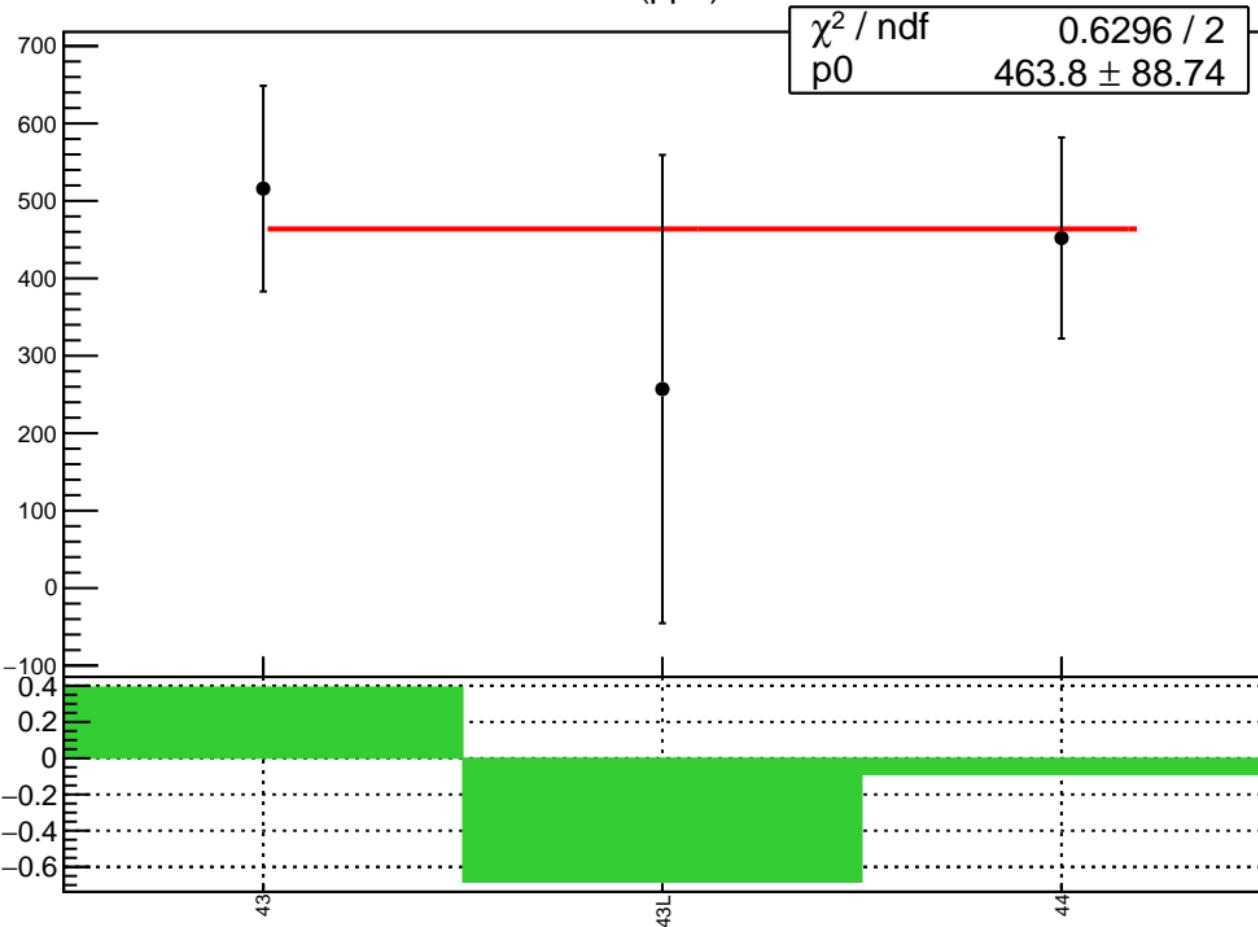
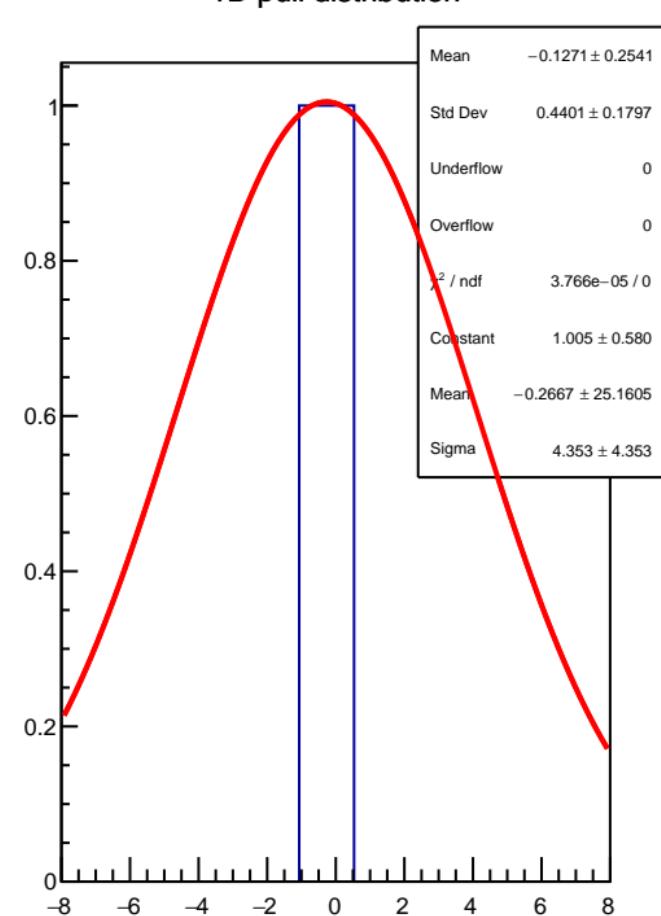


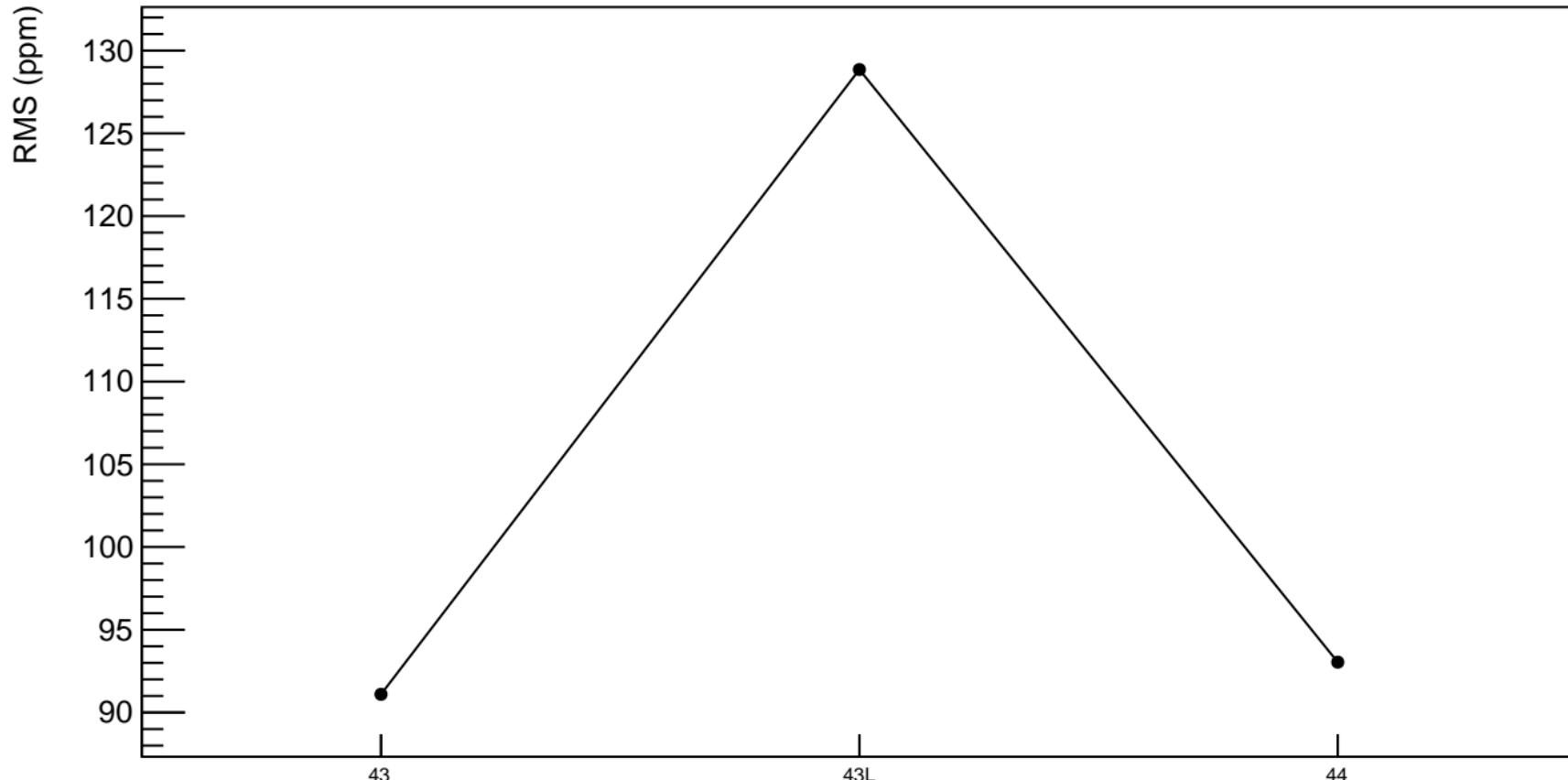
Adet (ppb)



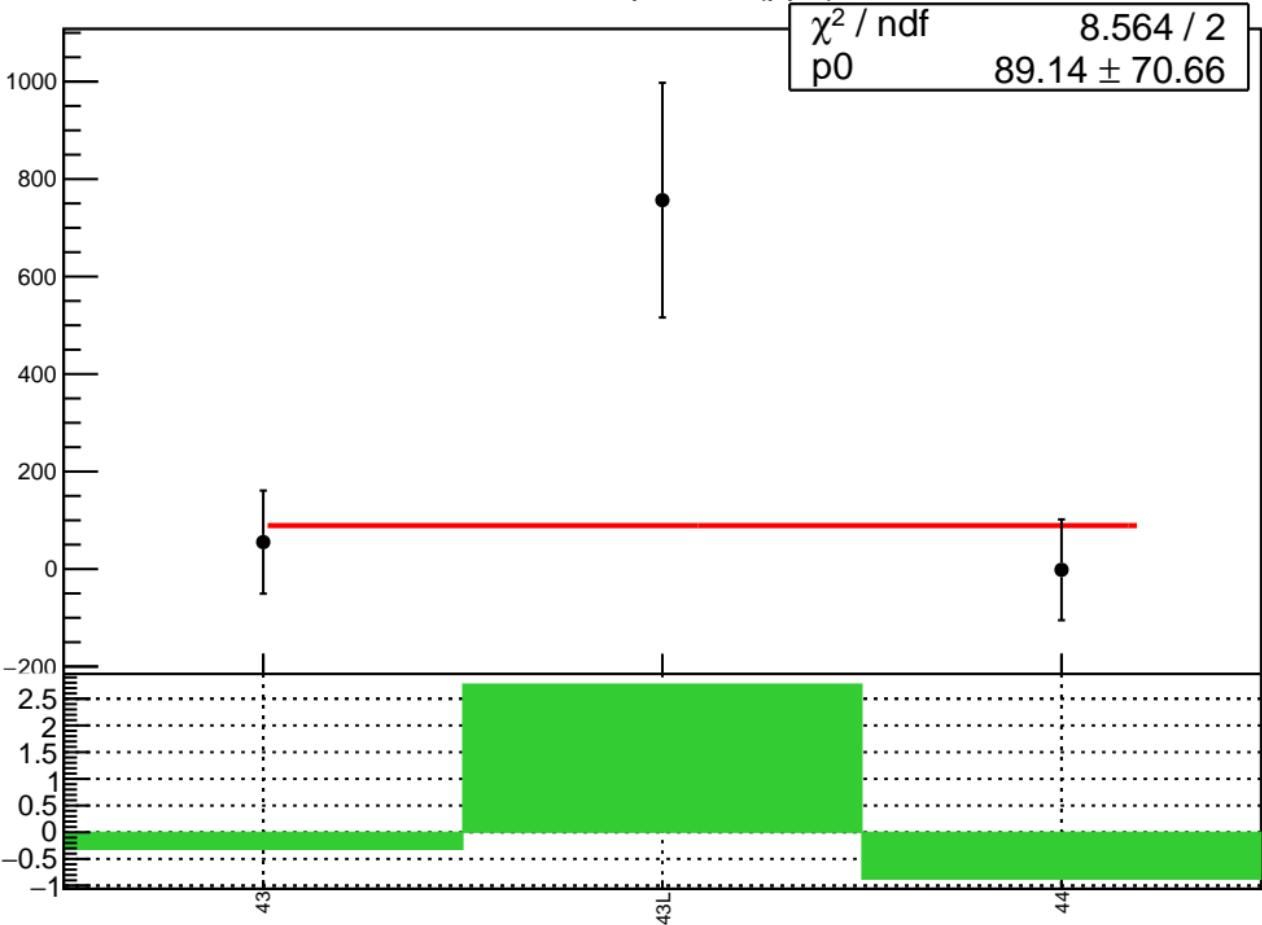
1D pull distribution



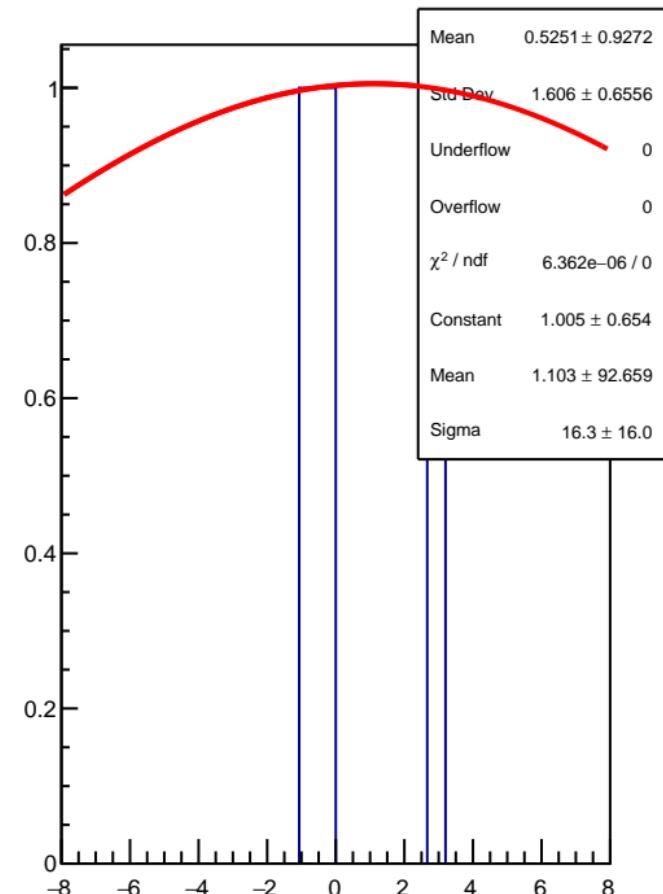
Adet RMS (ppm)



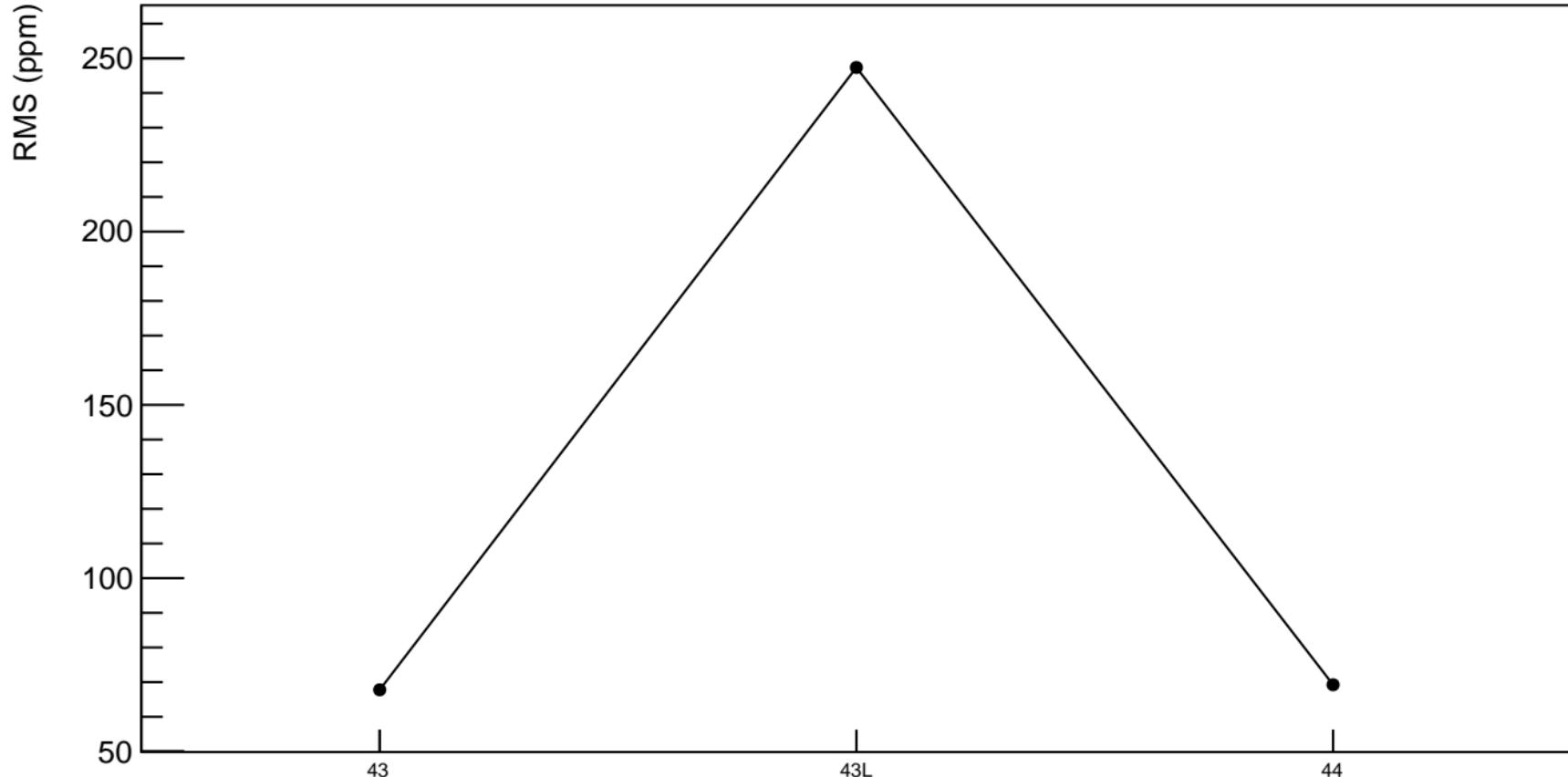
corr_Adet_bpm4eX (ppb)



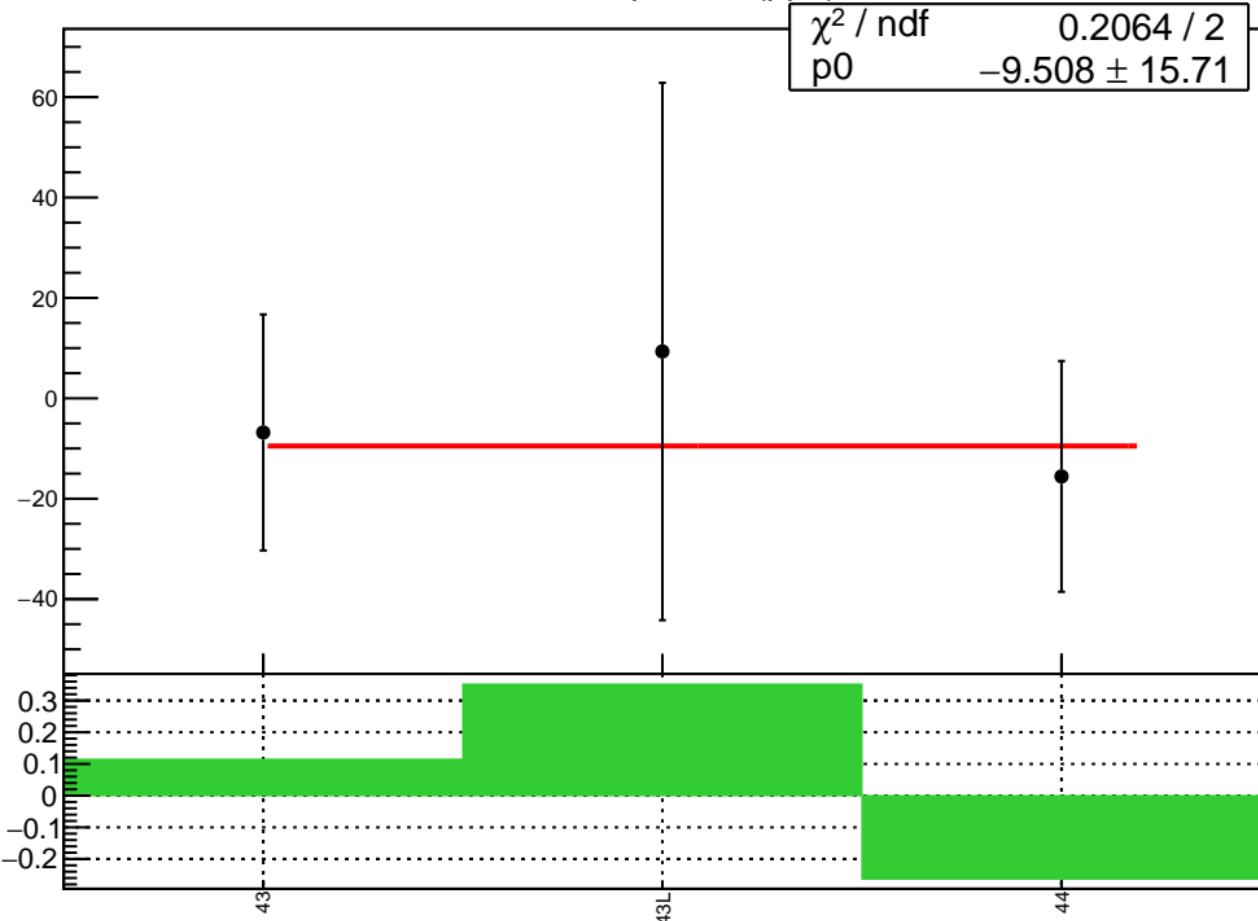
1D pull distribution



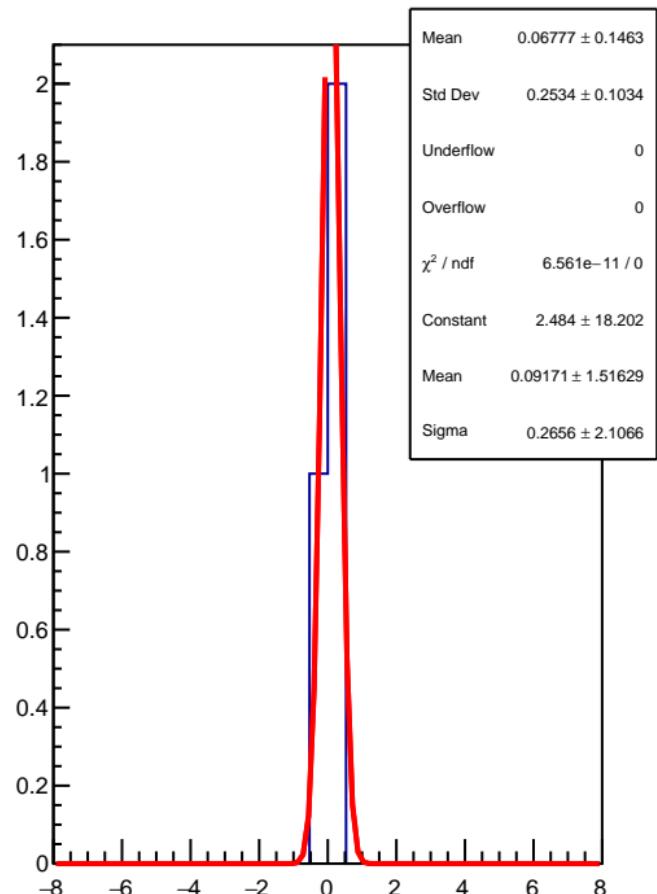
corr_Adet_bpm4eX RMS (ppm)



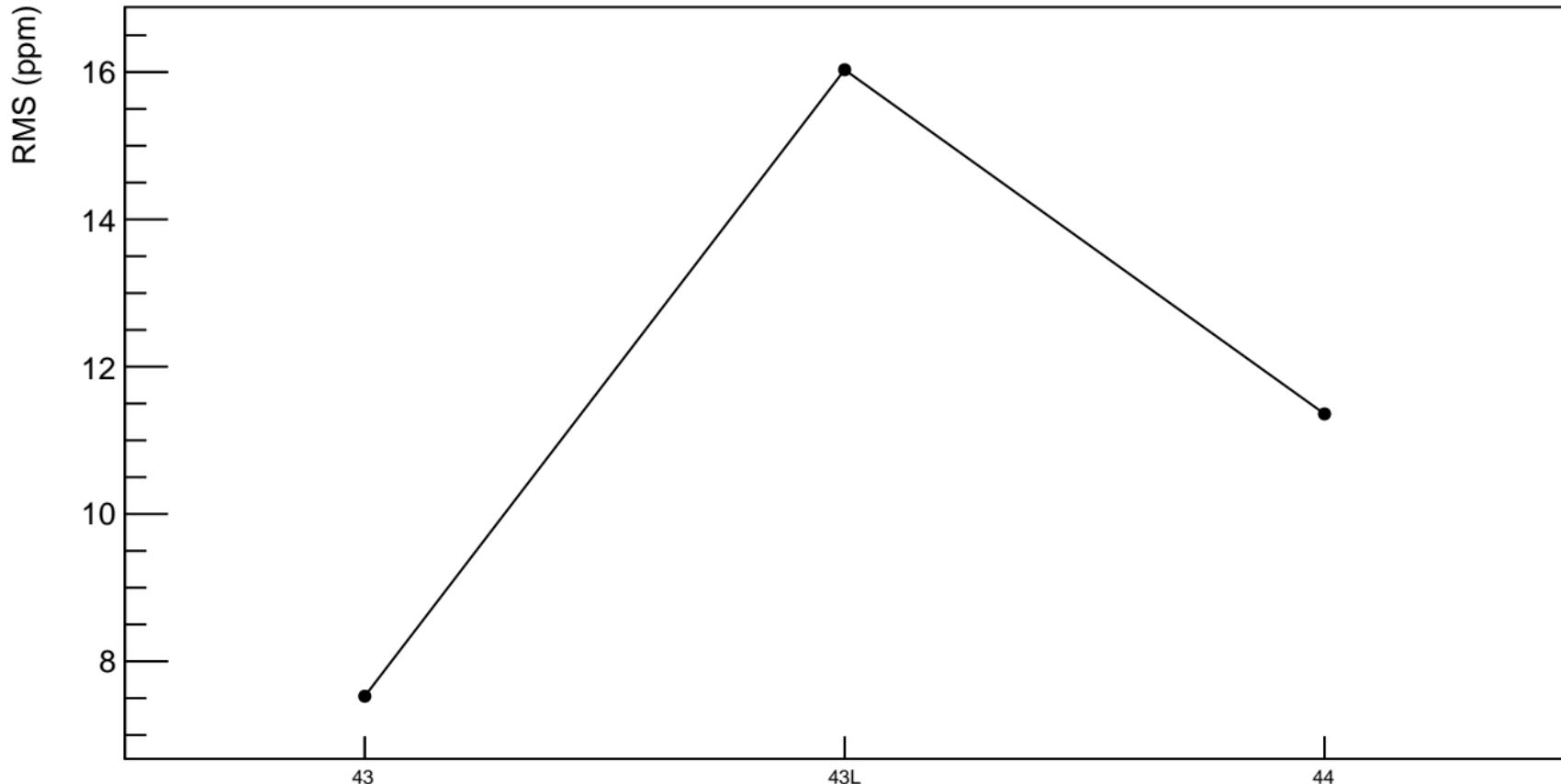
corr_Adet_bpm4eY (ppb)



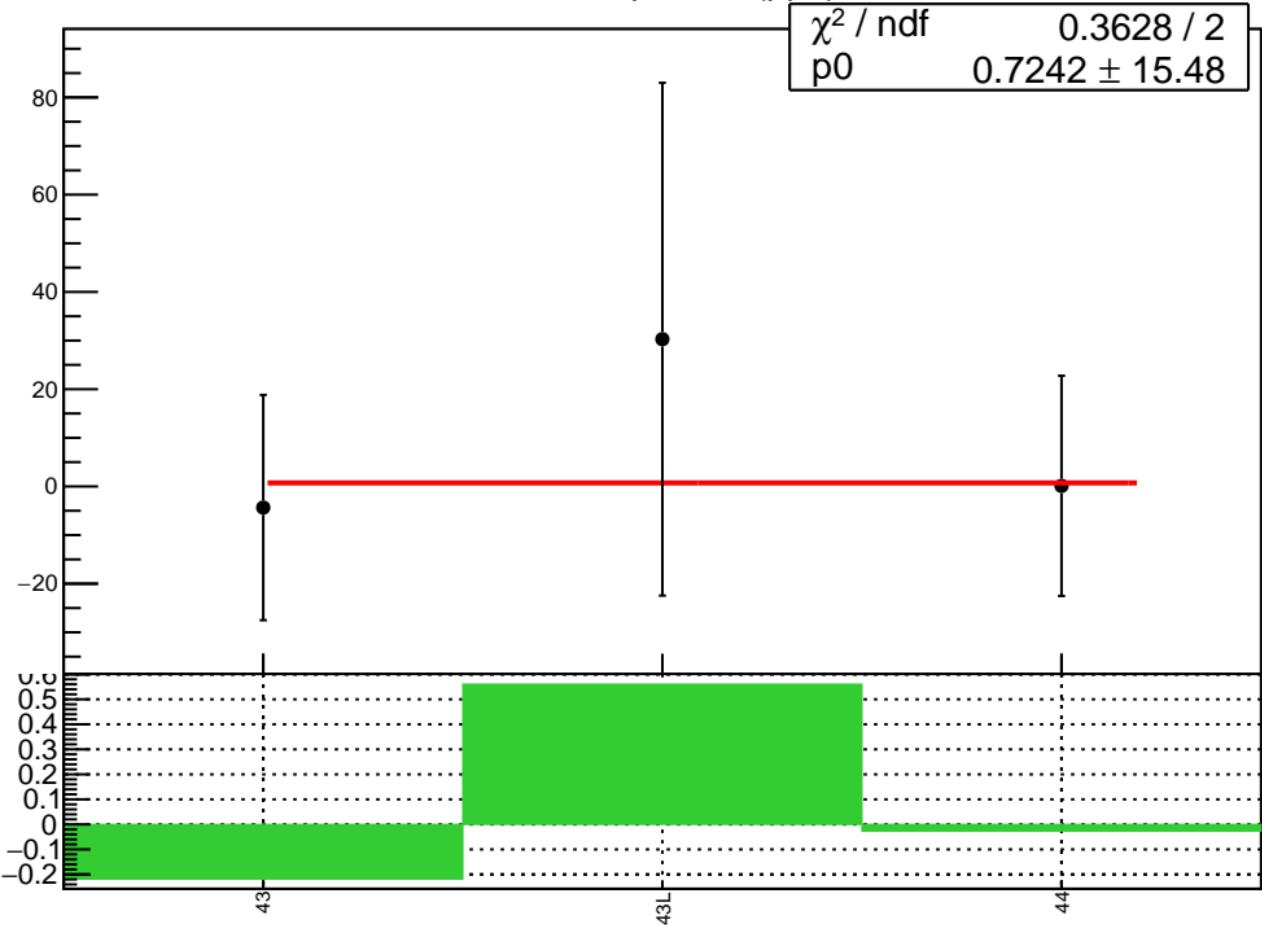
1D pull distribution



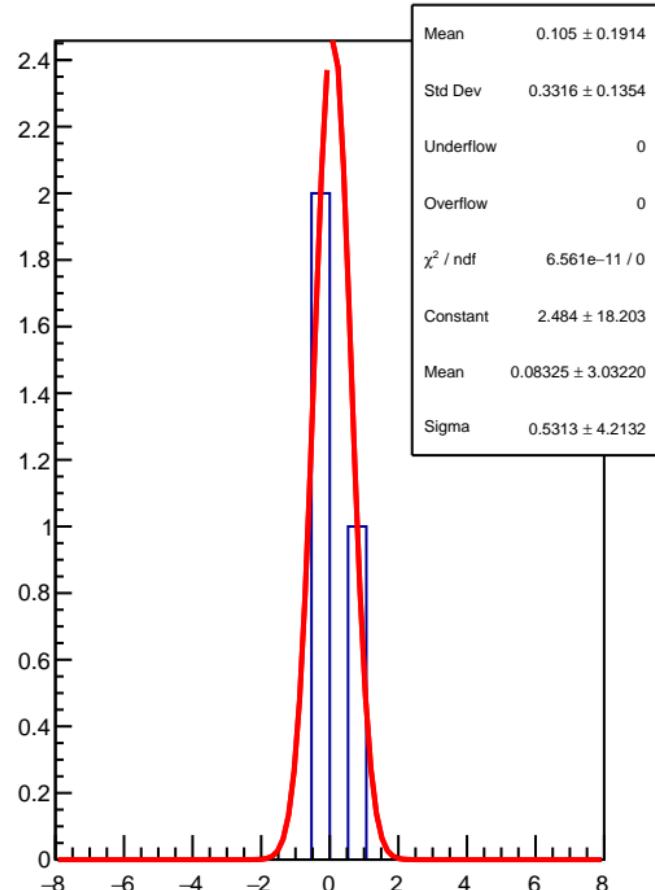
corr_Adet_bpm4eY RMS (ppm)



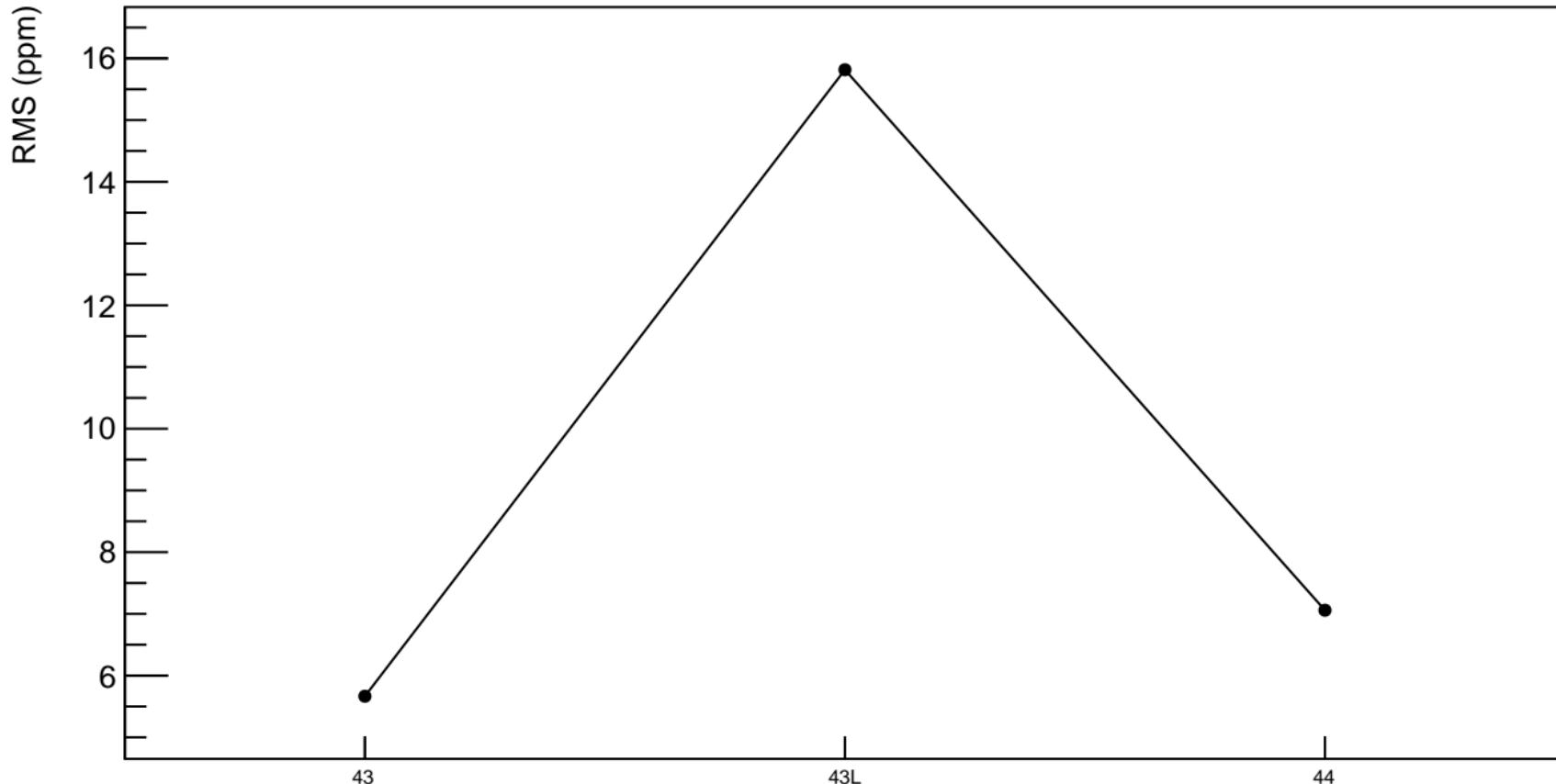
corr_Adet_bpm4aX (ppb)



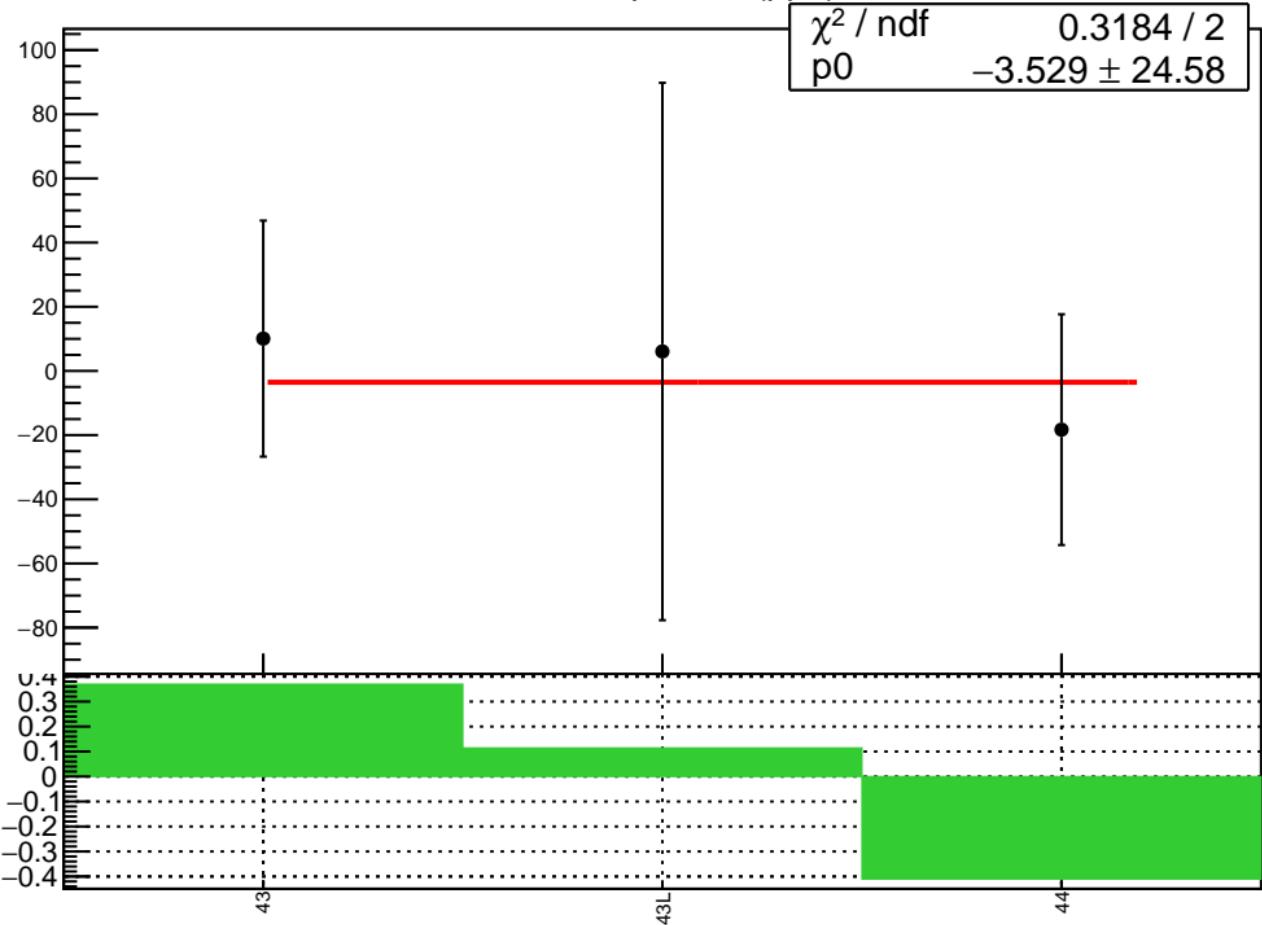
1D pull distribution



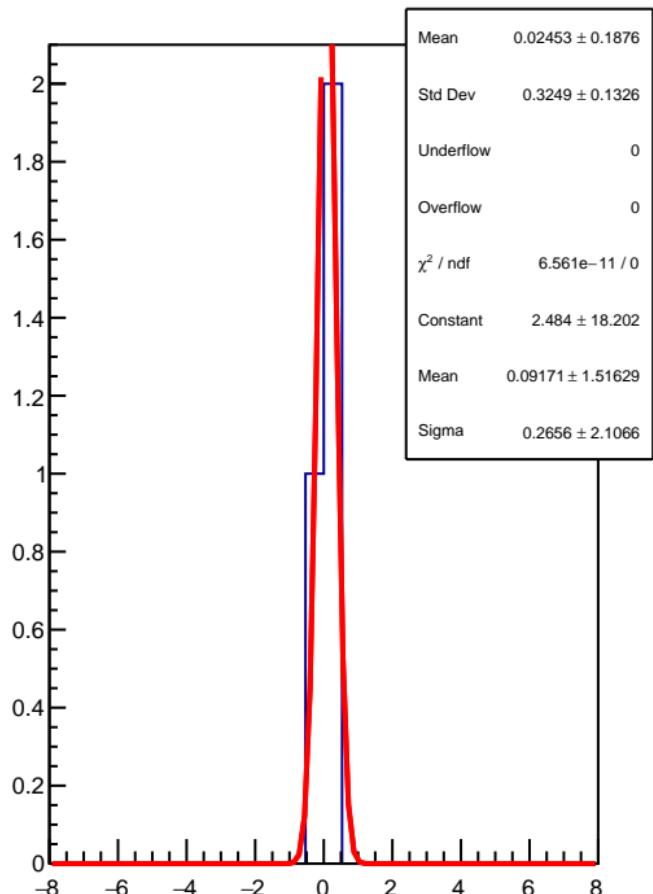
corr_Adet_bpm4aX RMS (ppm)



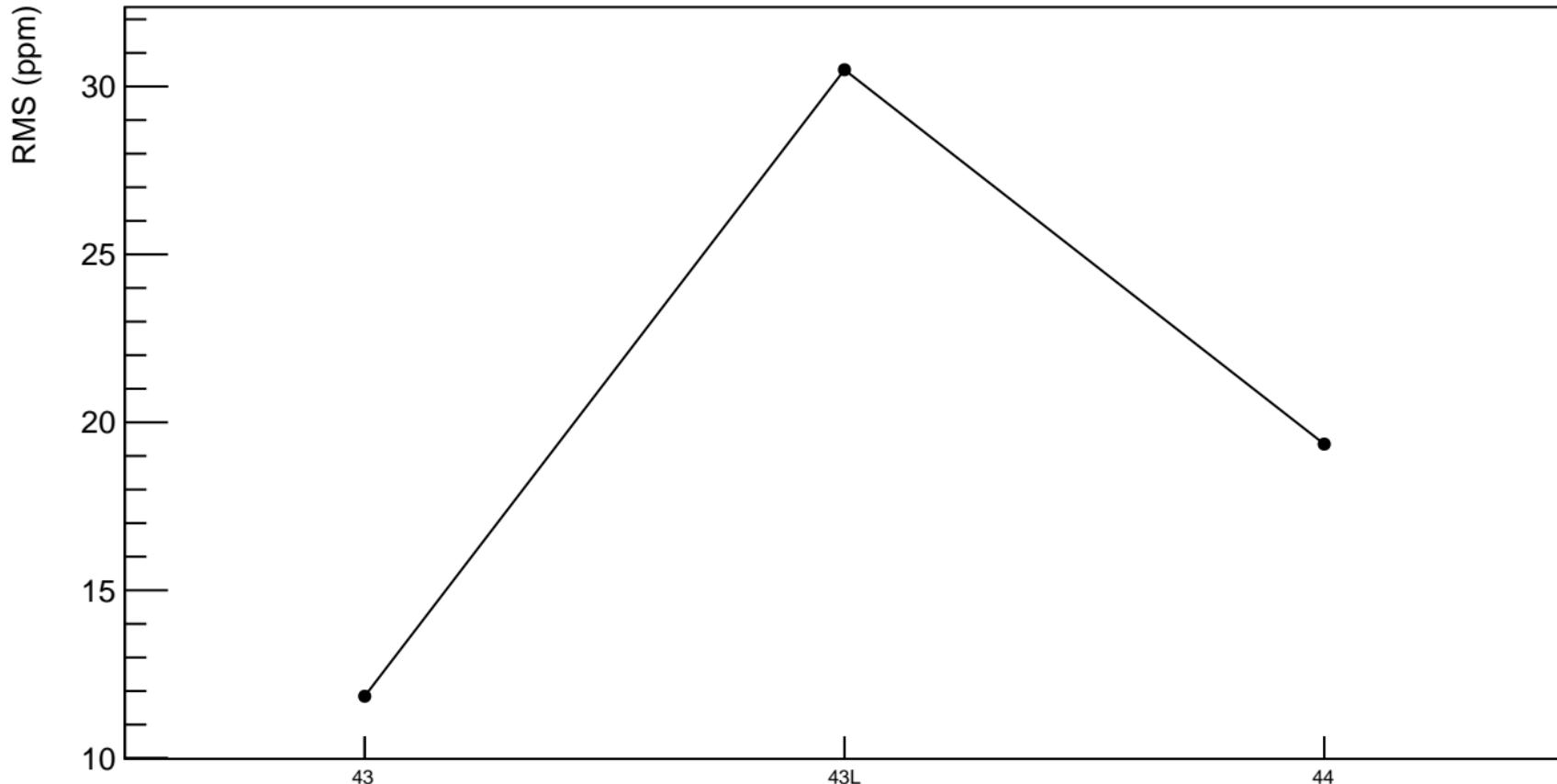
corr_Adet_bpm4aY (ppb)



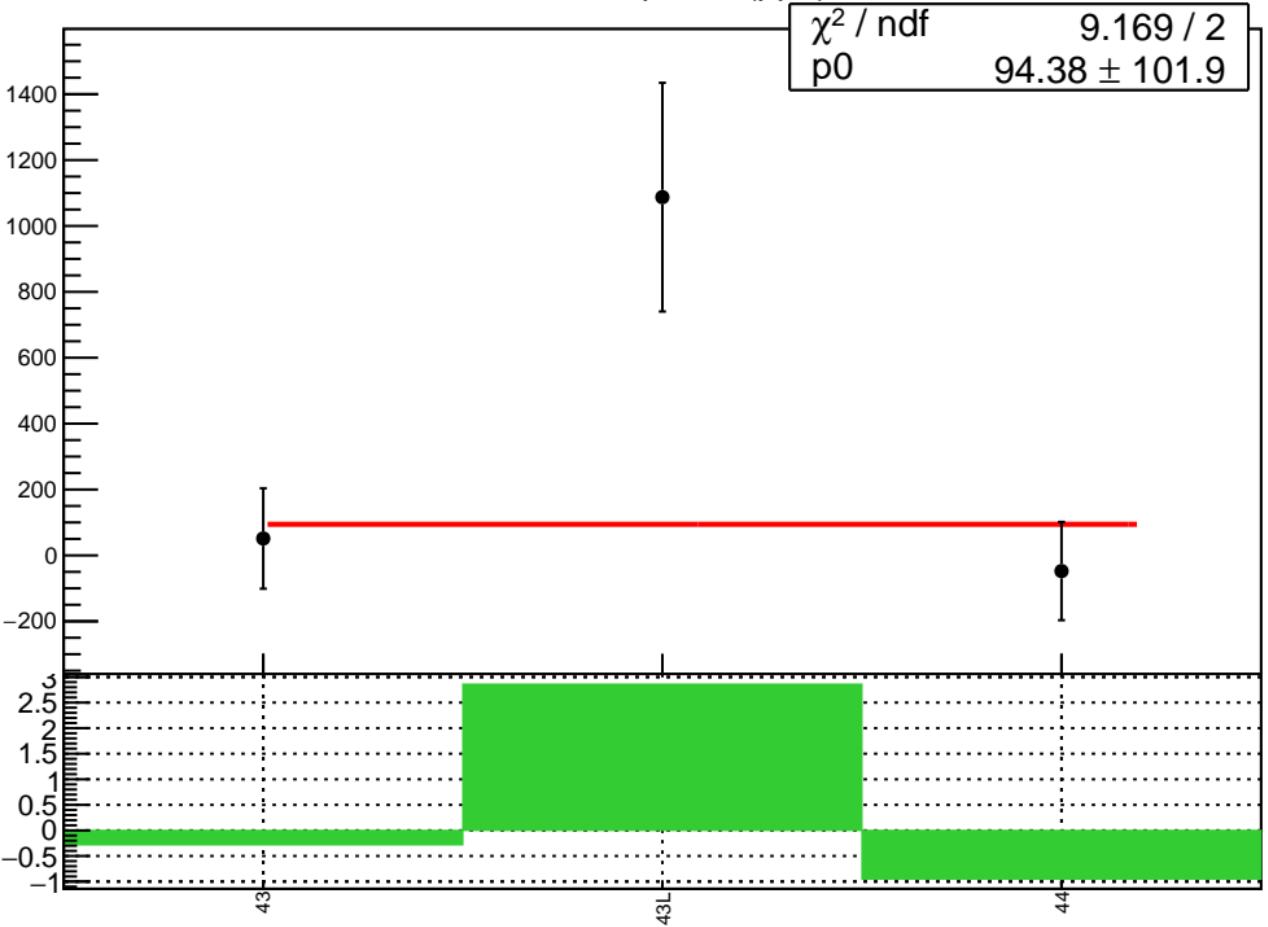
1D pull distribution



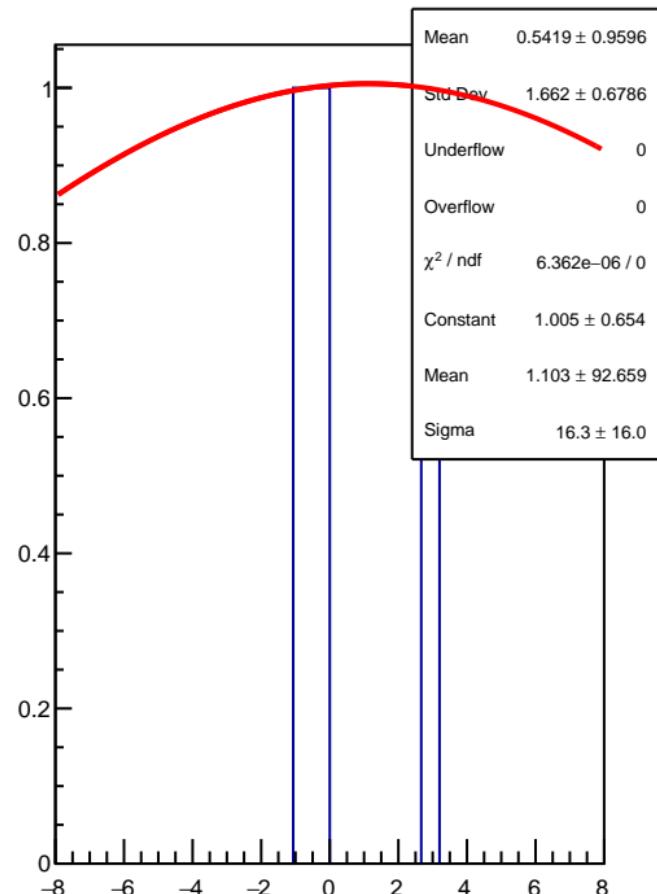
corr_Adet_bpm4aY RMS (ppm)



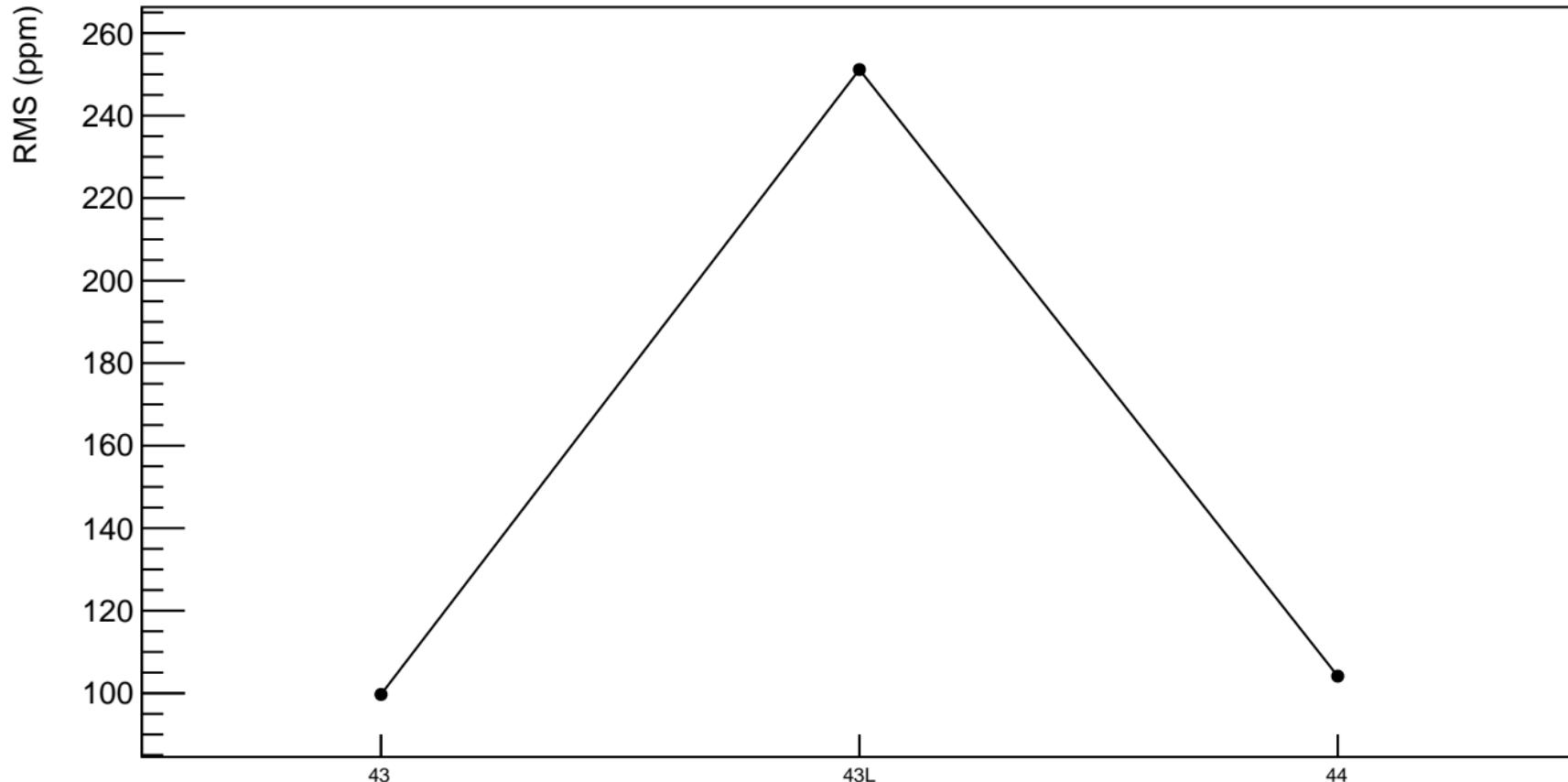
corr_Adet_bpm1X (ppb)



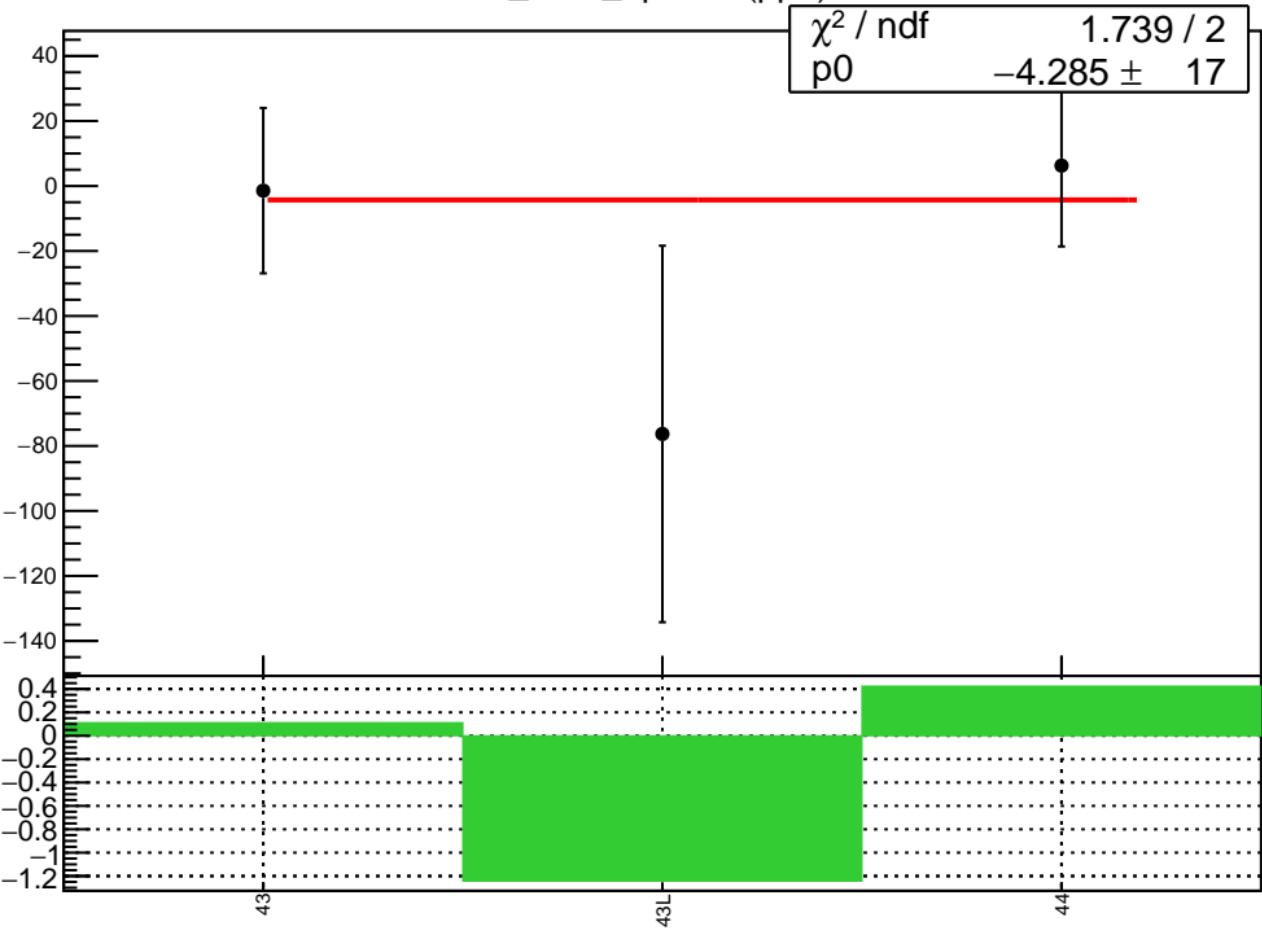
1D pull distribution



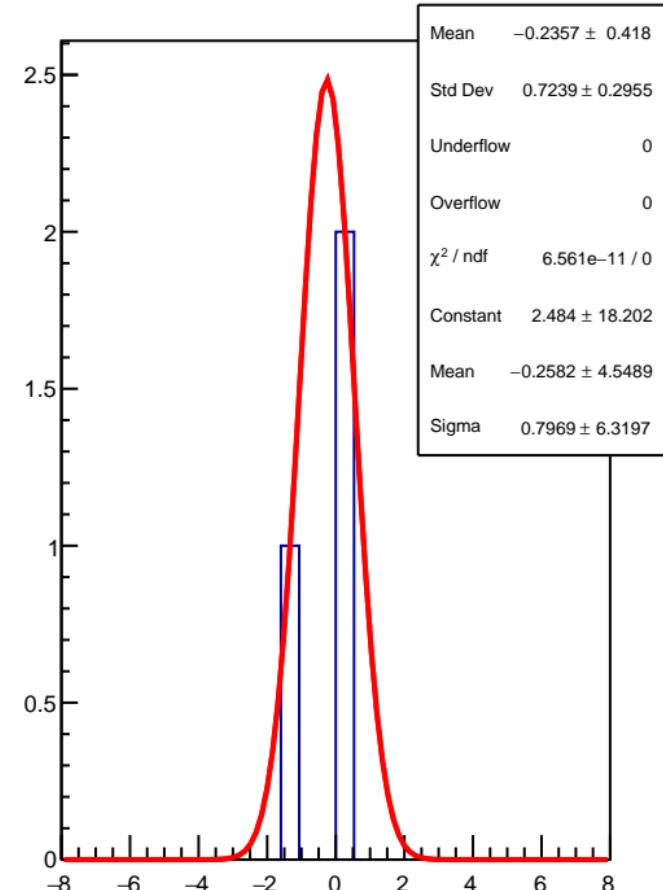
corr_Adet_bpm1X RMS (ppm)



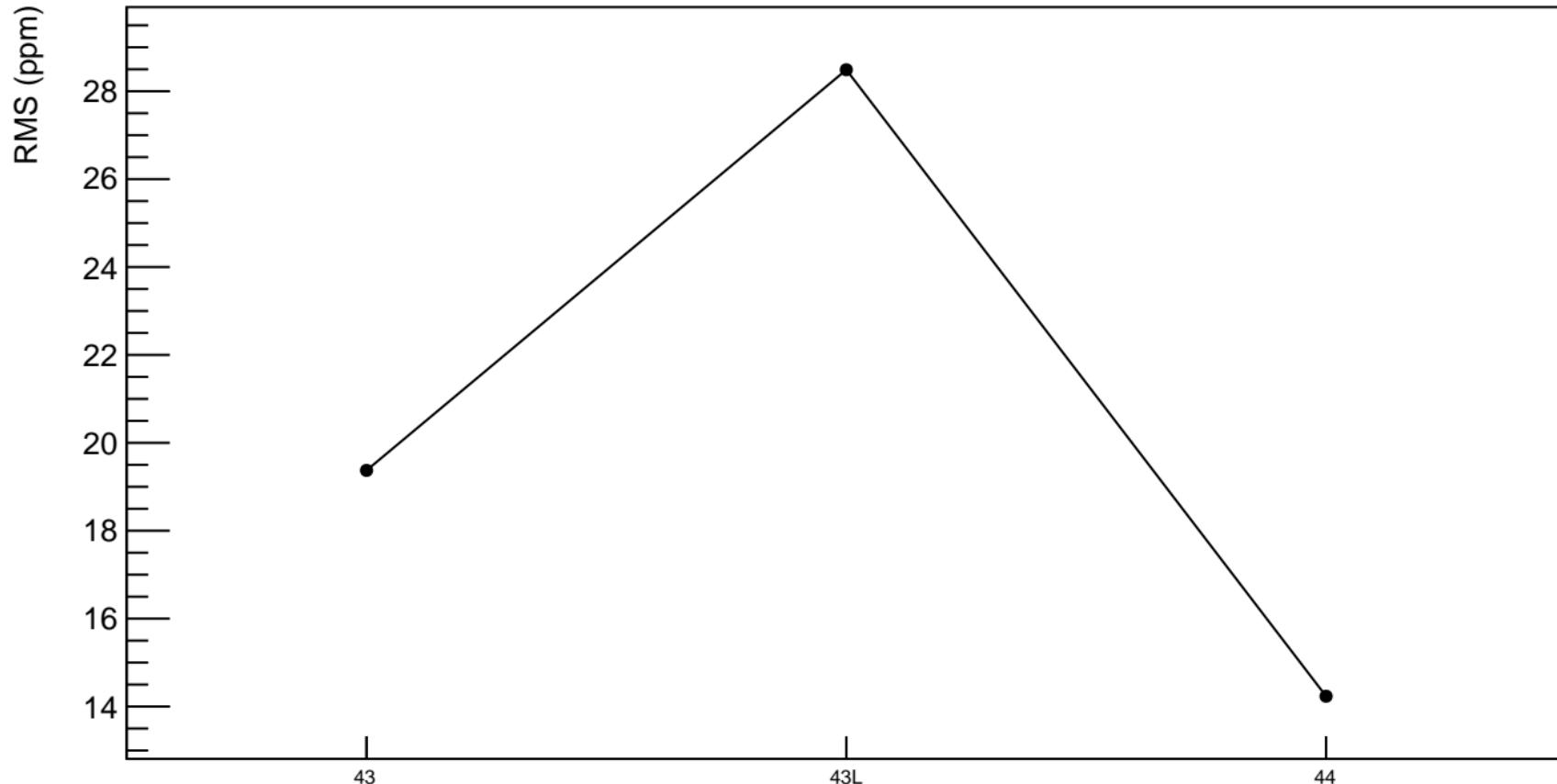
corr_Adet_bpm1Y (ppb)



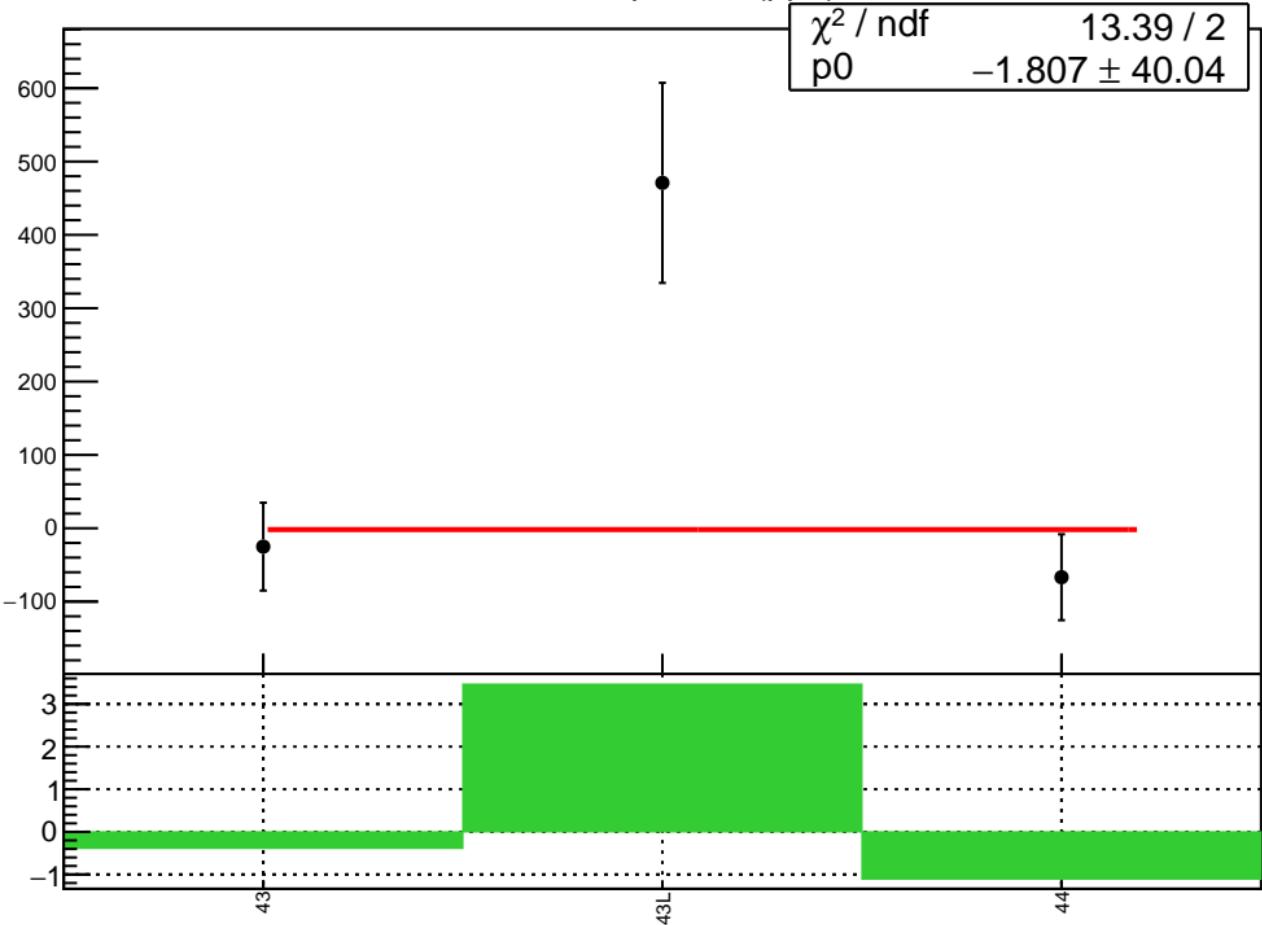
1D pull distribution



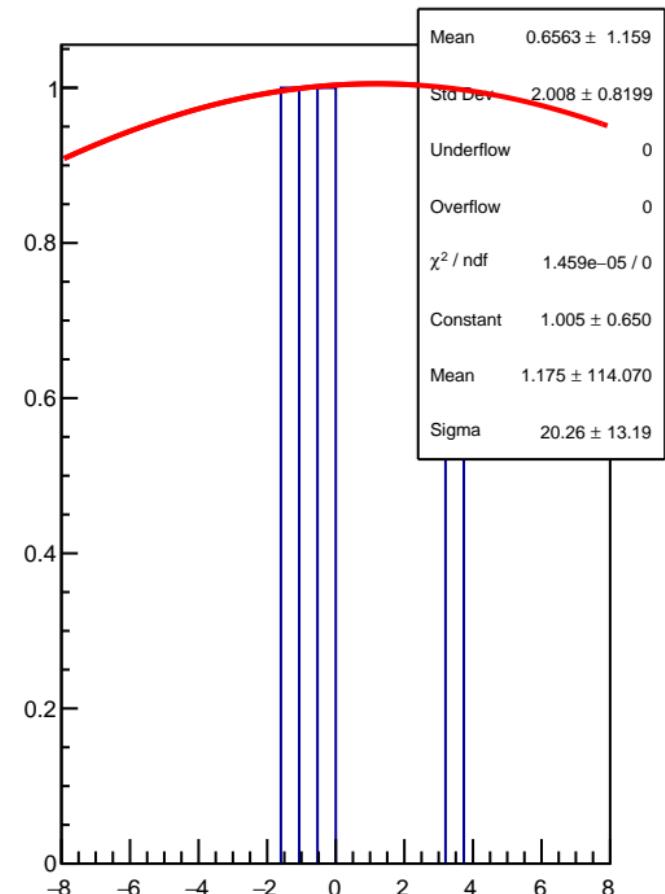
corr_Adet_bpm1Y RMS (ppm)



corr_Adet_bpm16X (ppb)

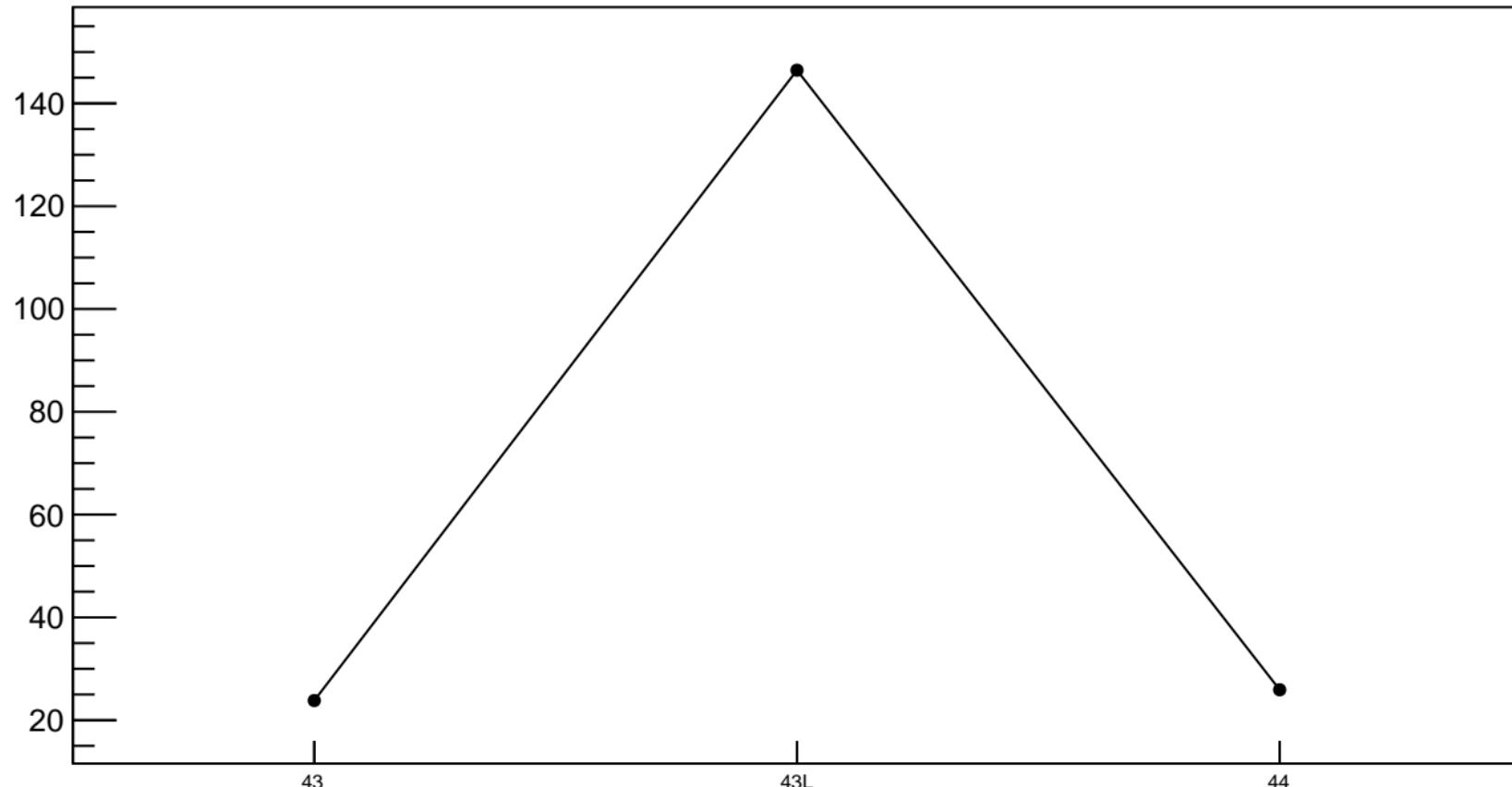


1D pull distribution

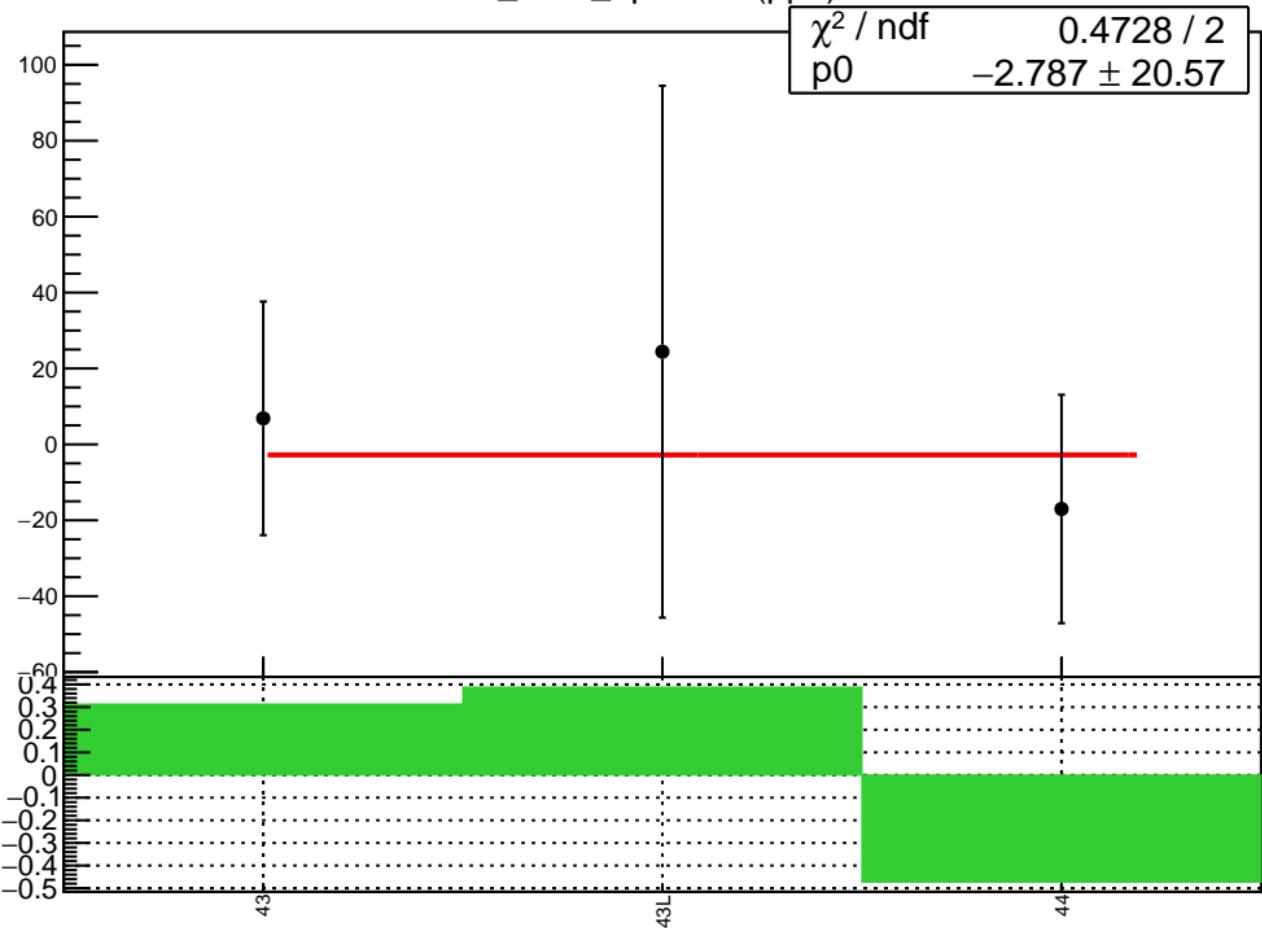


corr_Adet_bpm16X RMS (ppm)

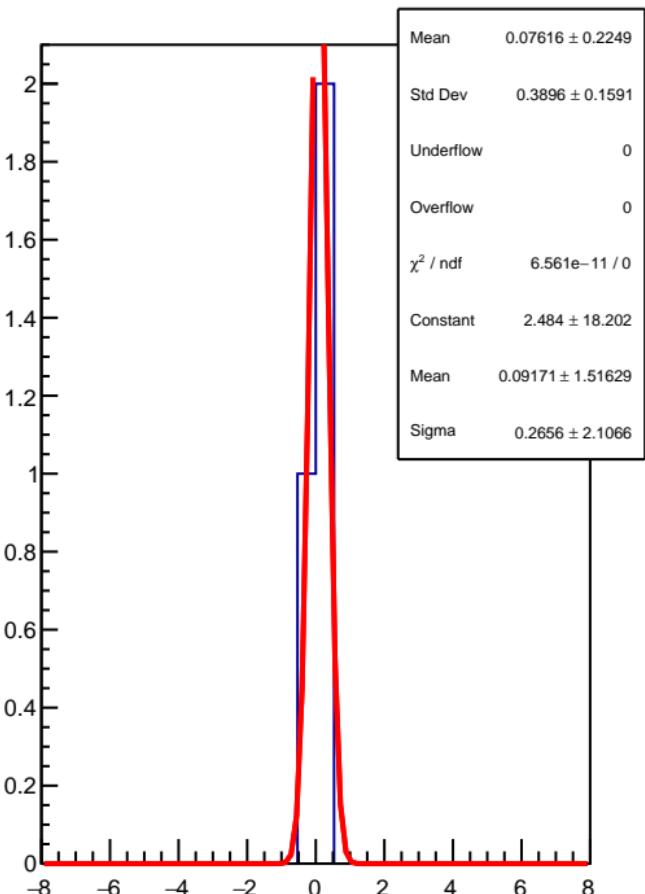
RMS (ppm)



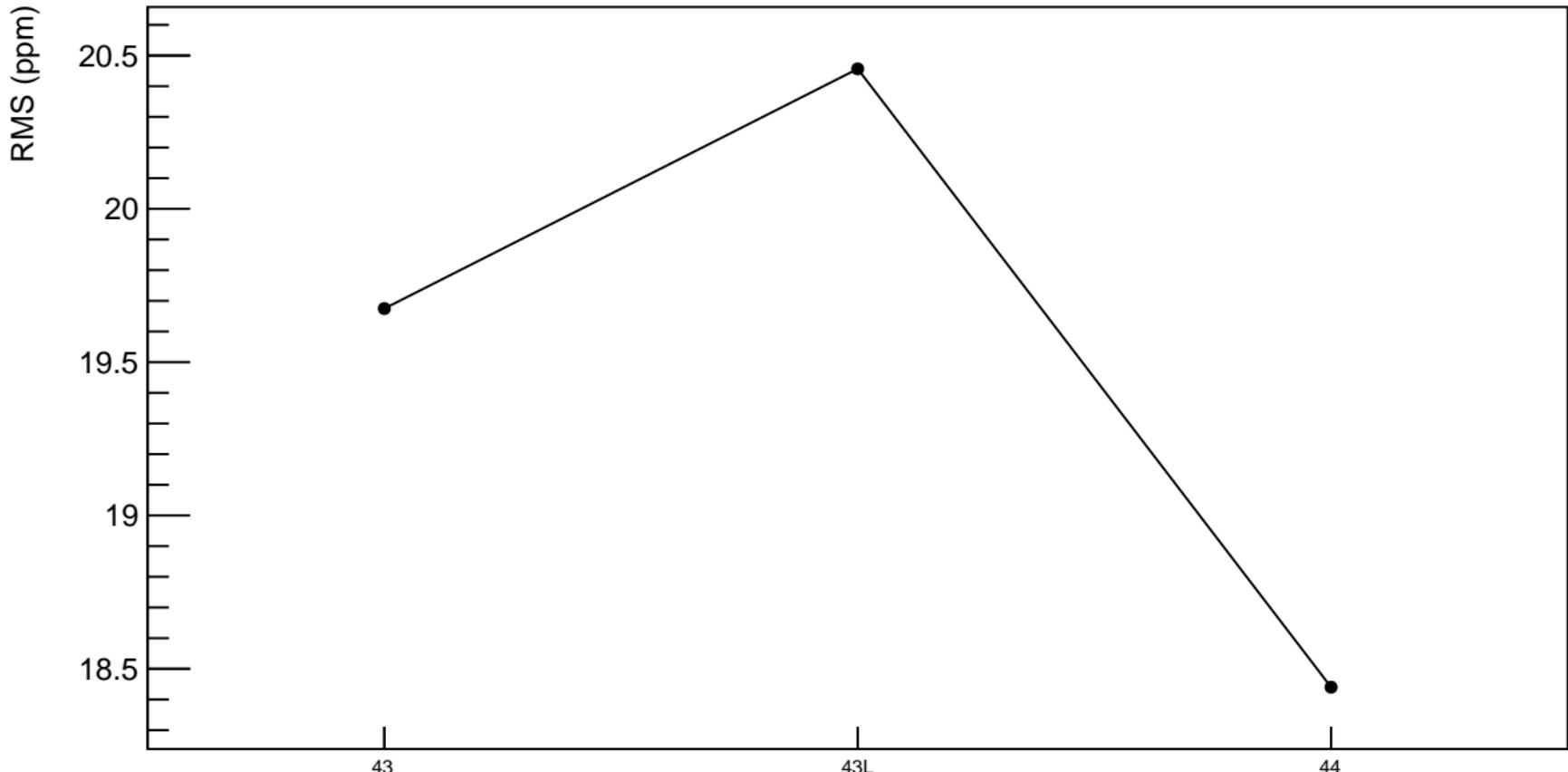
corr_Adet_bpm16Y (ppb)



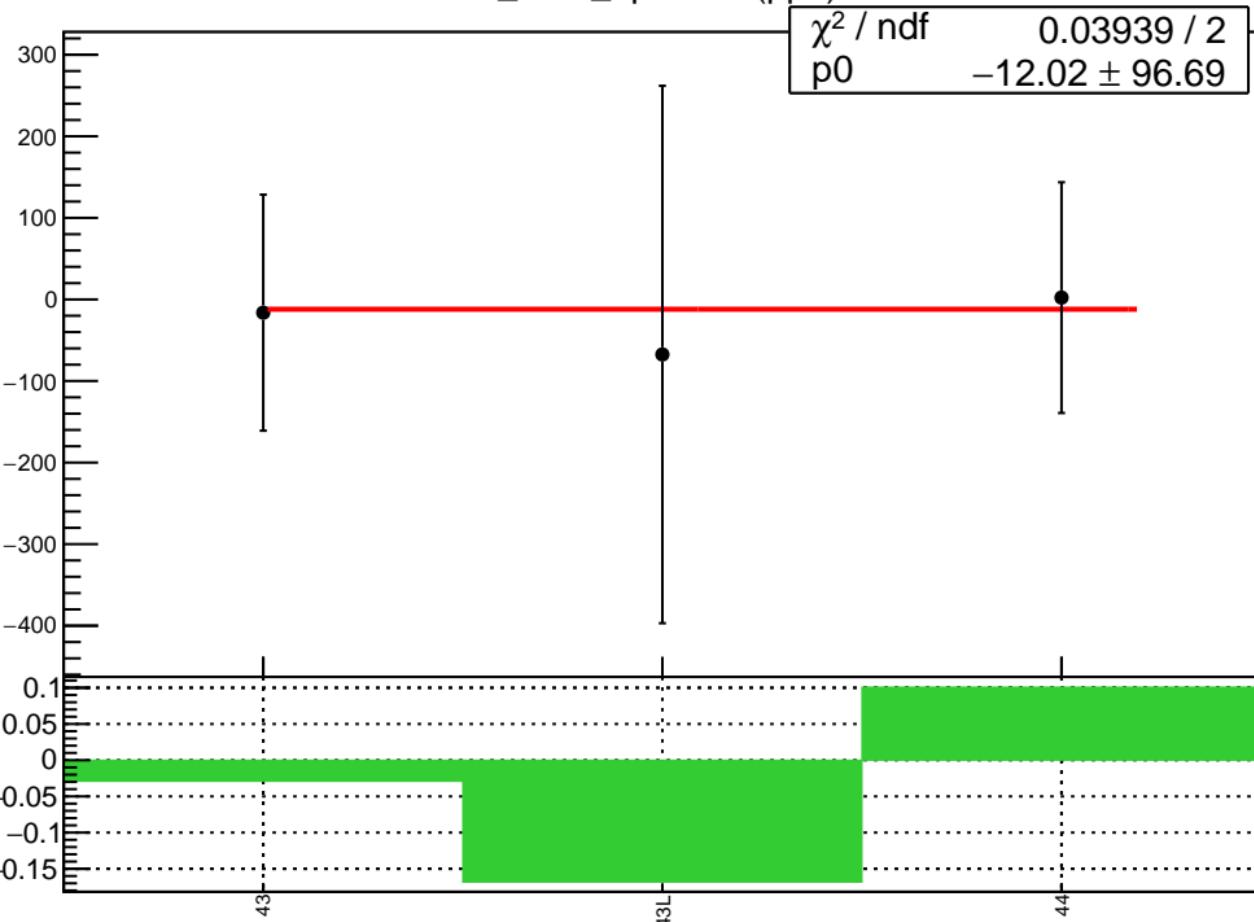
1D pull distribution



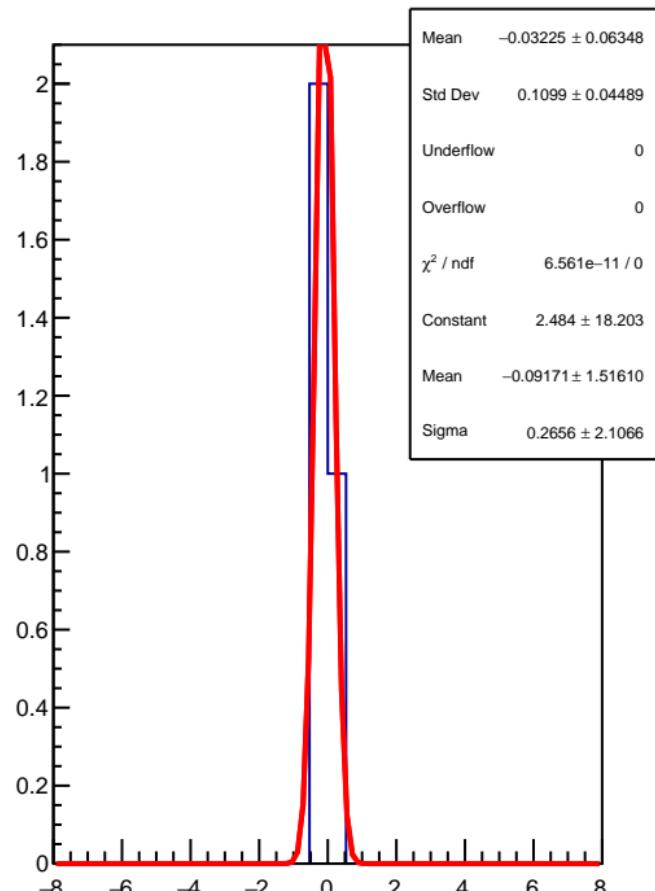
corr_Adet_bpm16Y RMS (ppm)



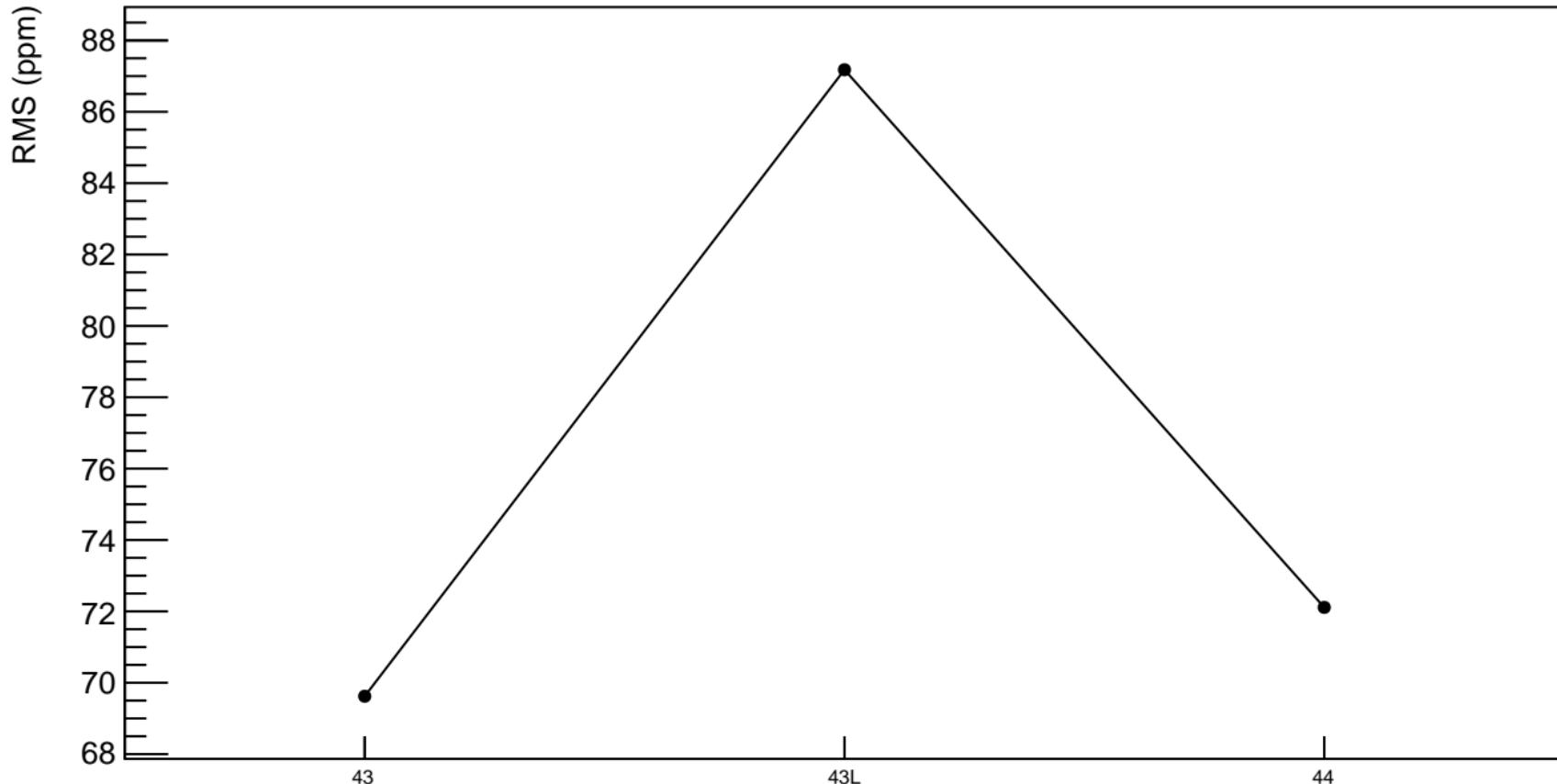
corr_Adet_bpm12X (ppb)



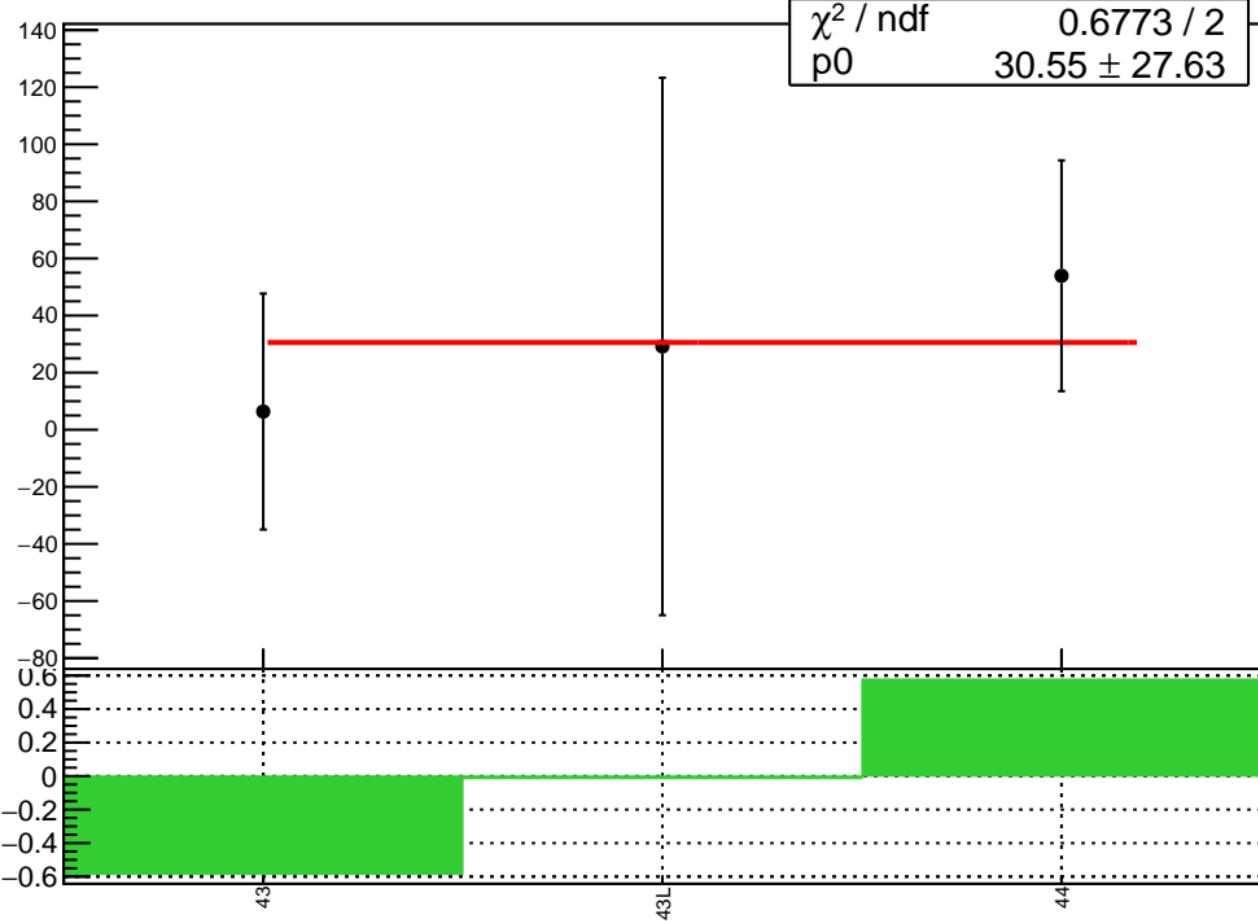
1D pull distribution



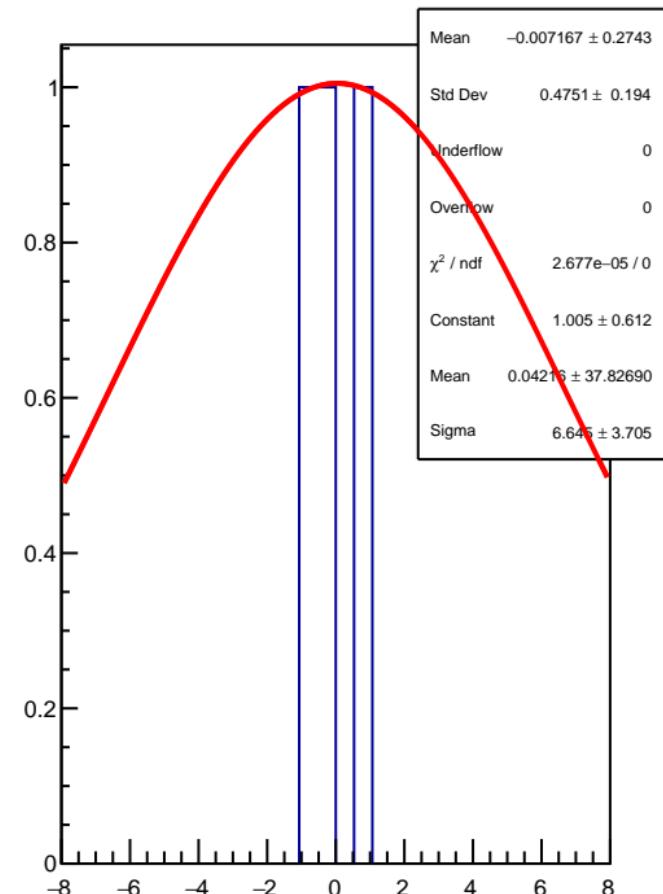
corr_Adet_bpm12X RMS (ppm)



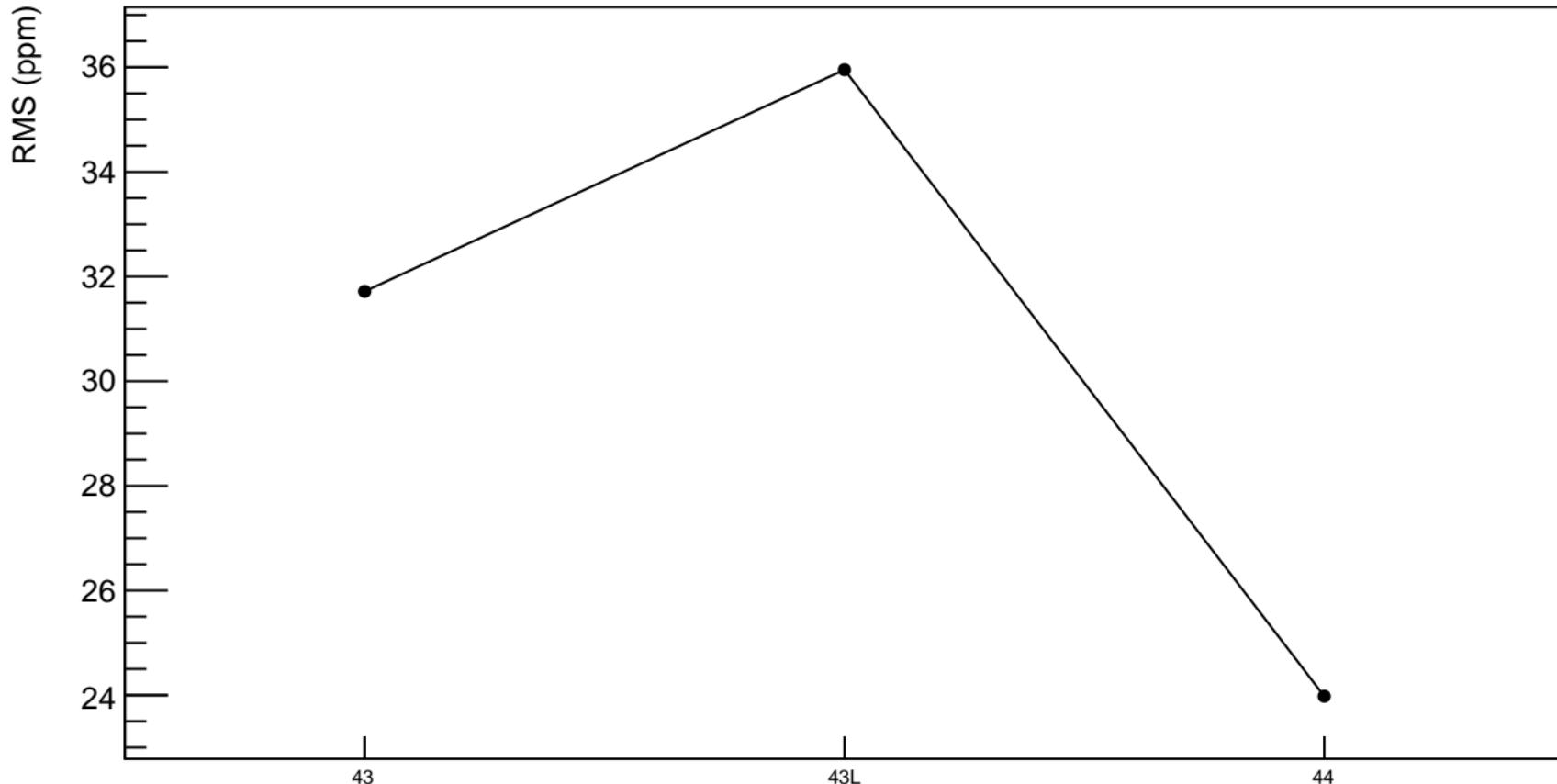
corr_Adet_bpm12Y (ppb)



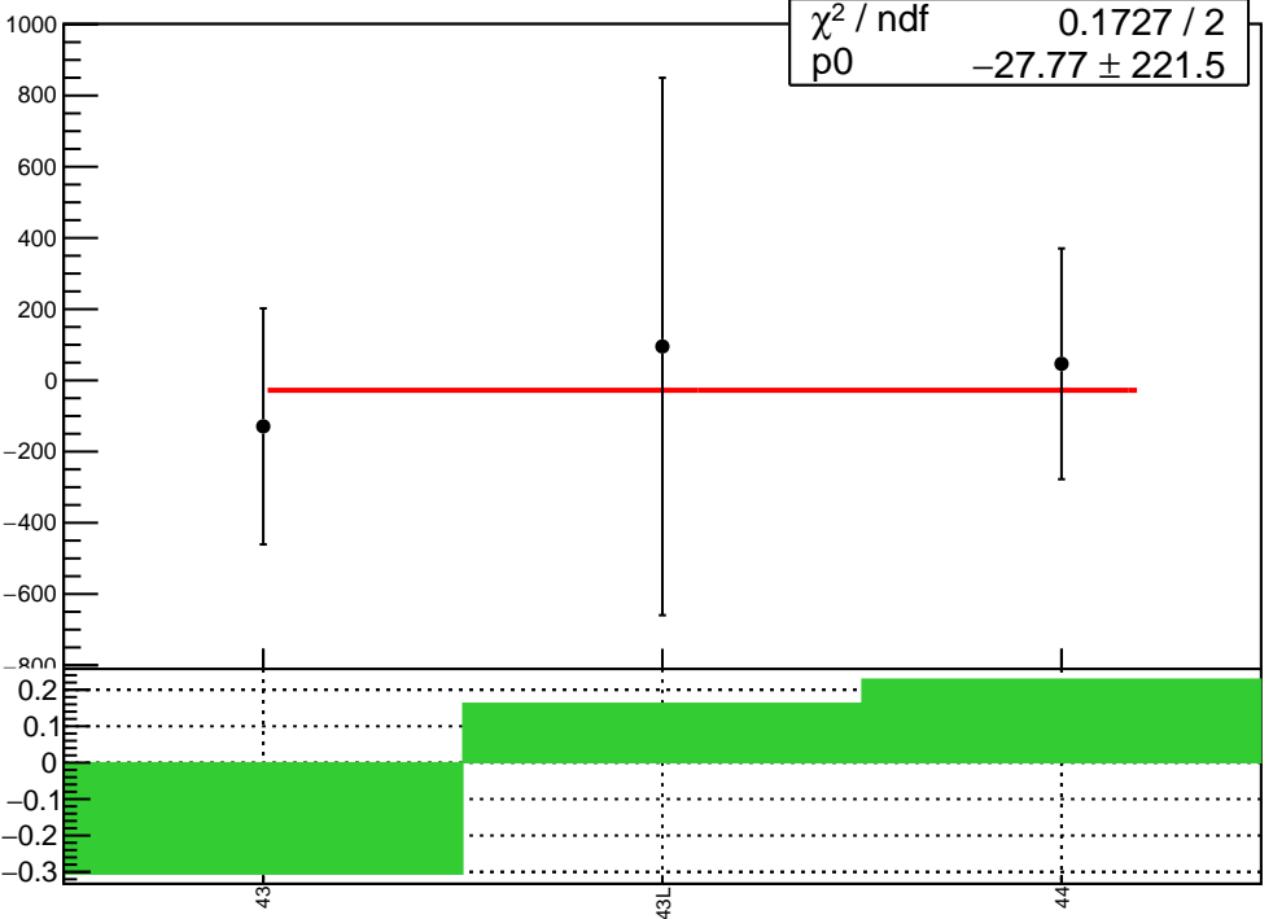
1D pull distribution



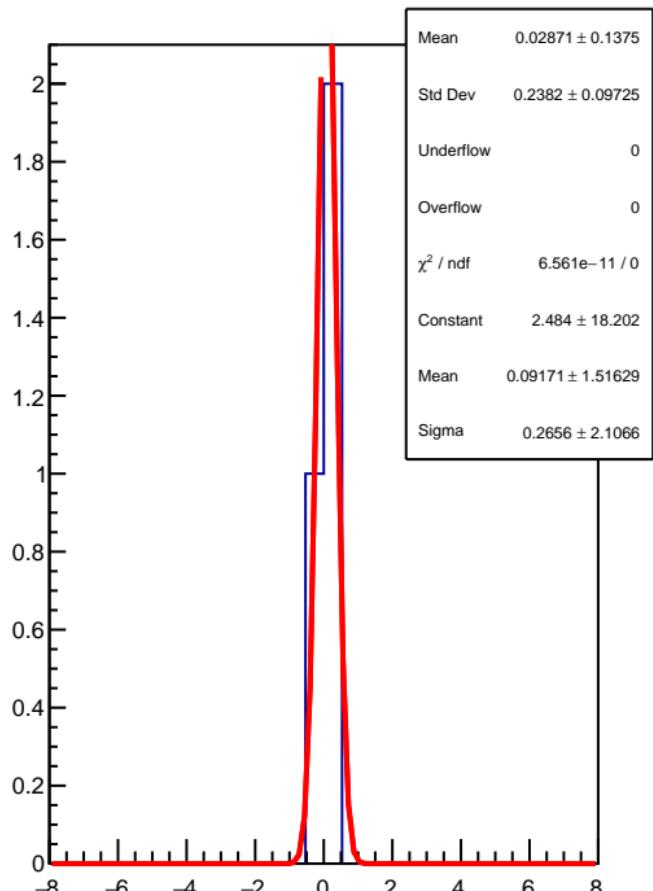
corr_Adet_bpm12Y RMS (ppm)



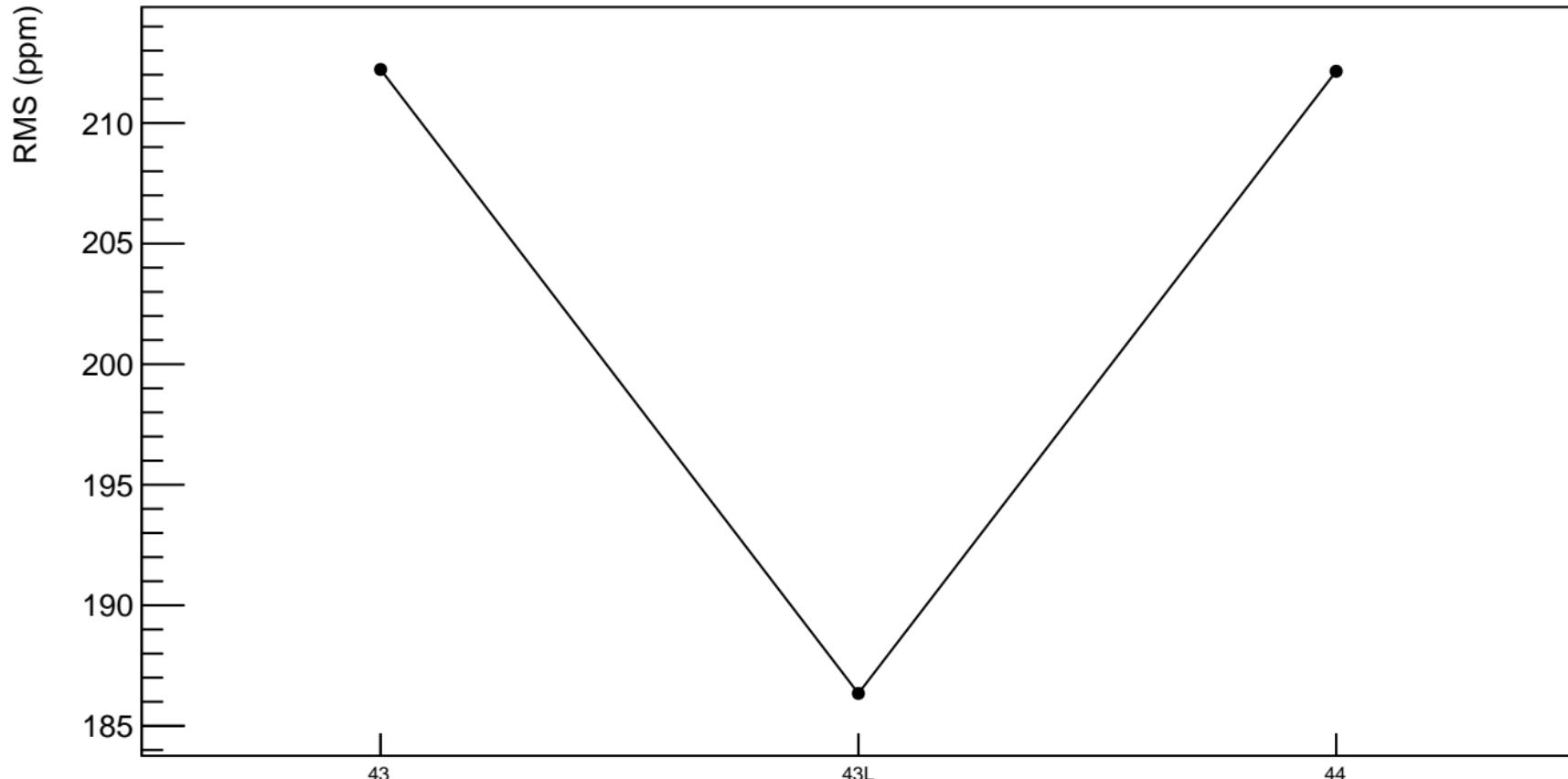
corr_Adet_bpm11X (ppb)



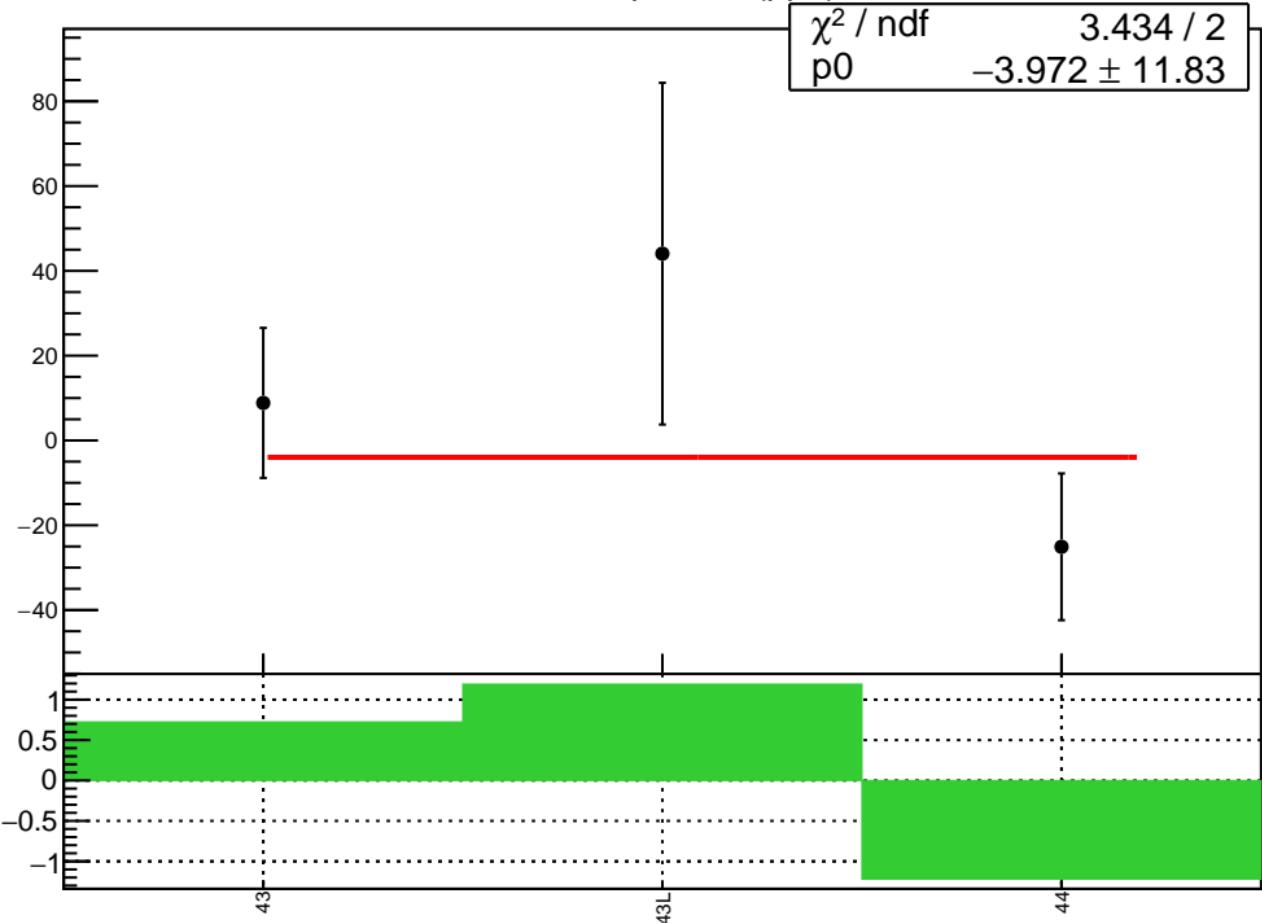
1D pull distribution



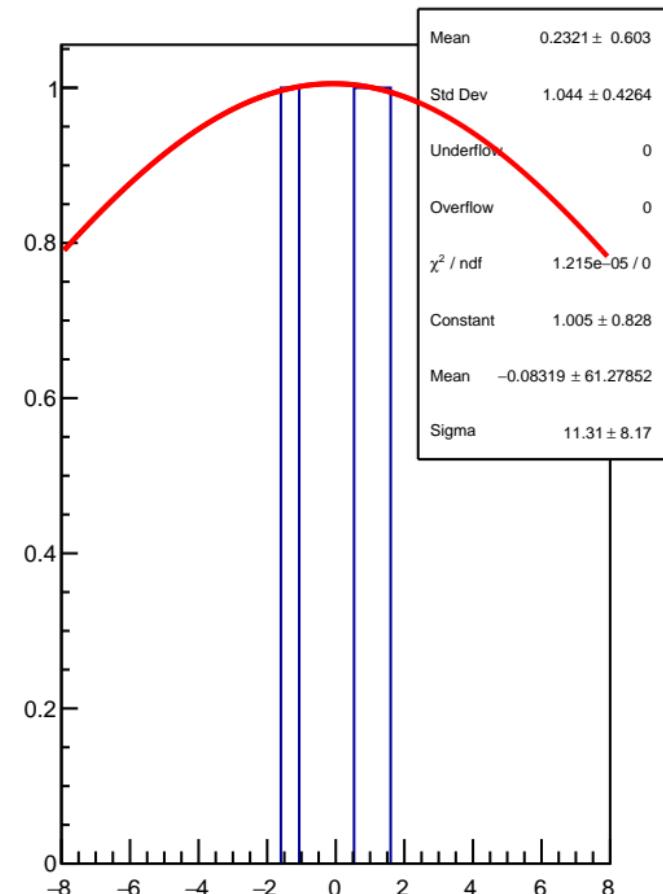
corr_Adet_bpm11X RMS (ppm)



corr_Adet_bpm11Y (ppb)

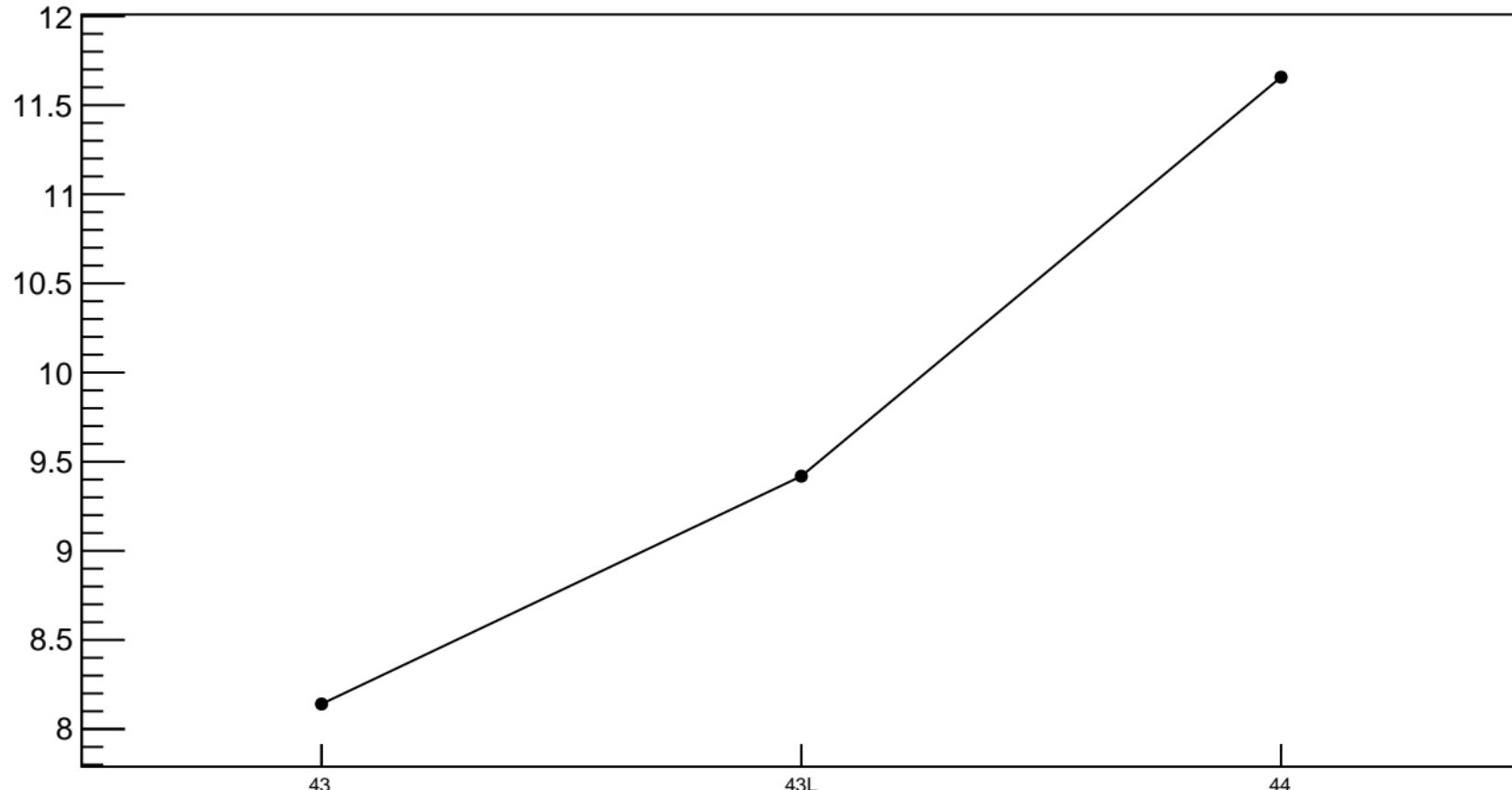


1D pull distribution



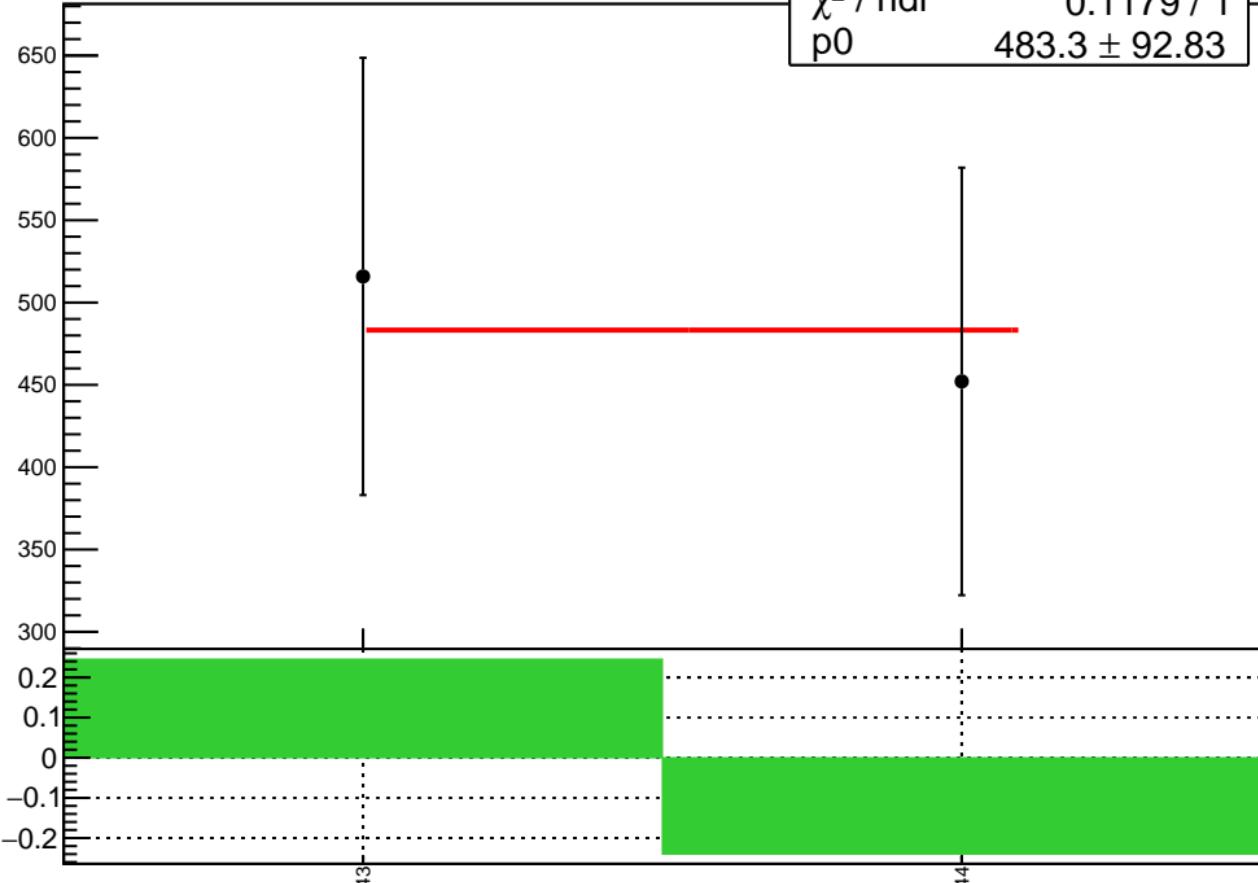
corr_Adet_bpm11Y RMS (ppm)

RMS (ppm)

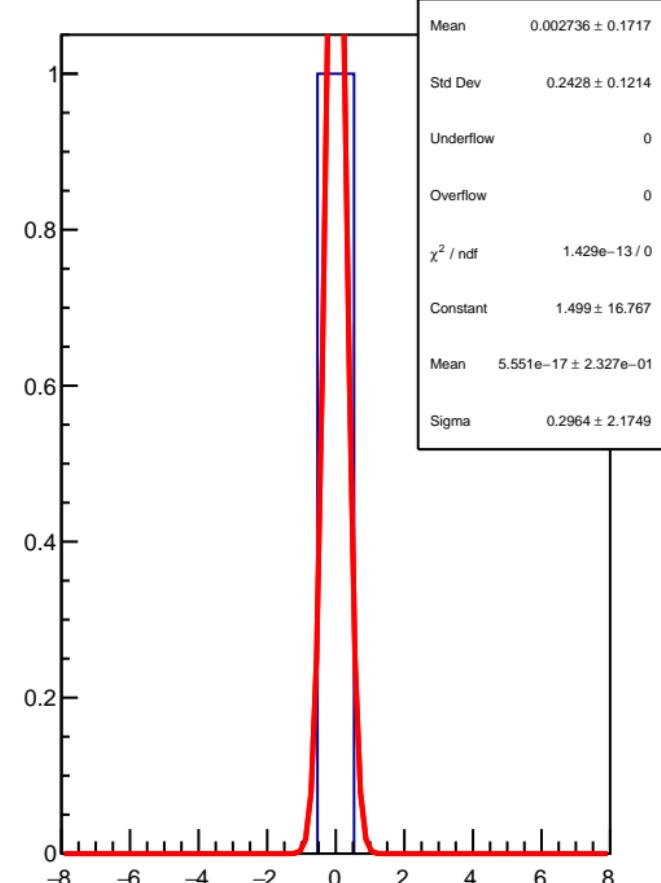


lagr_asym_us_avg (ppb)

χ^2 / ndf 0.1179 / 1
p0 483.3 ± 92.83

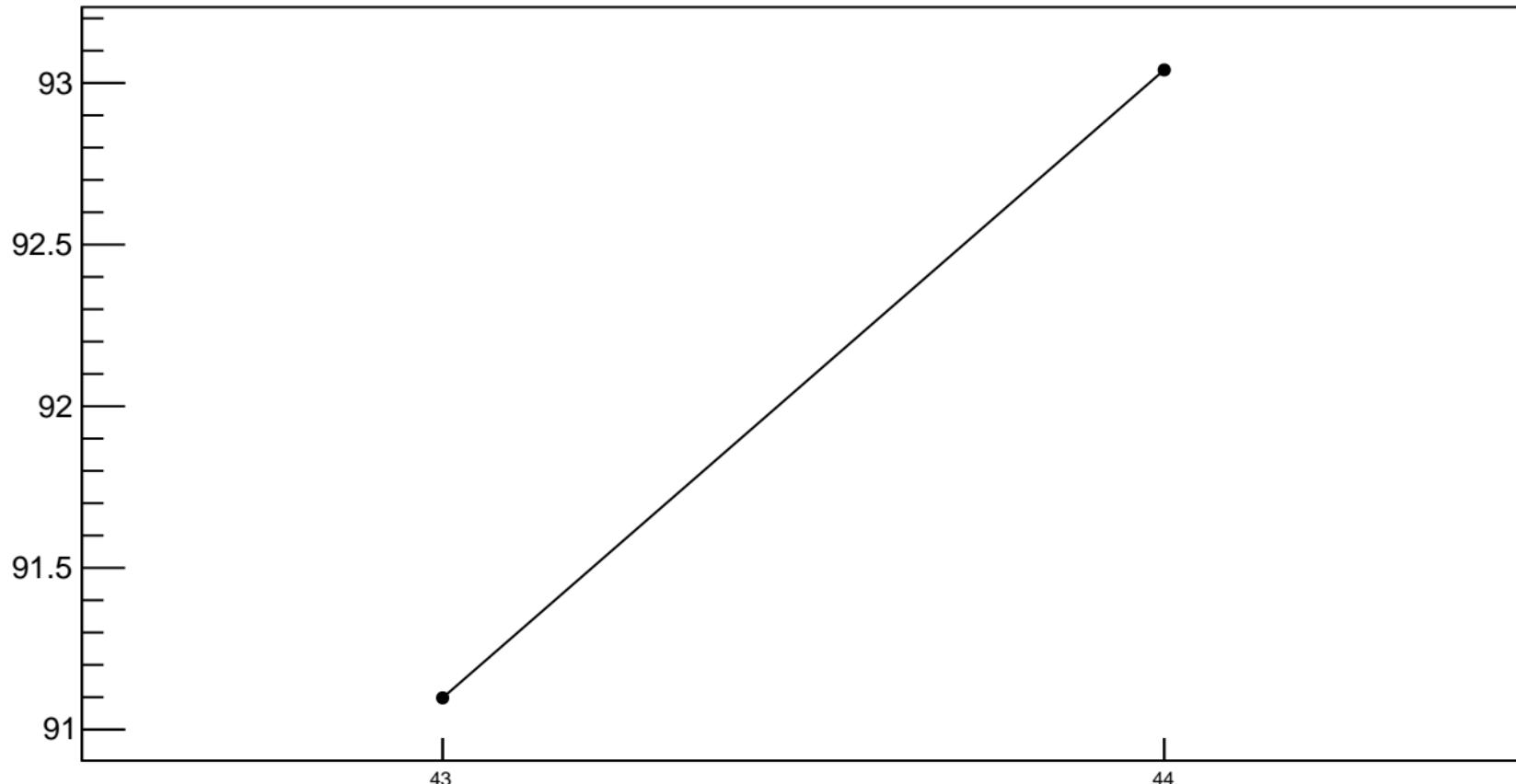


1D pull distribution



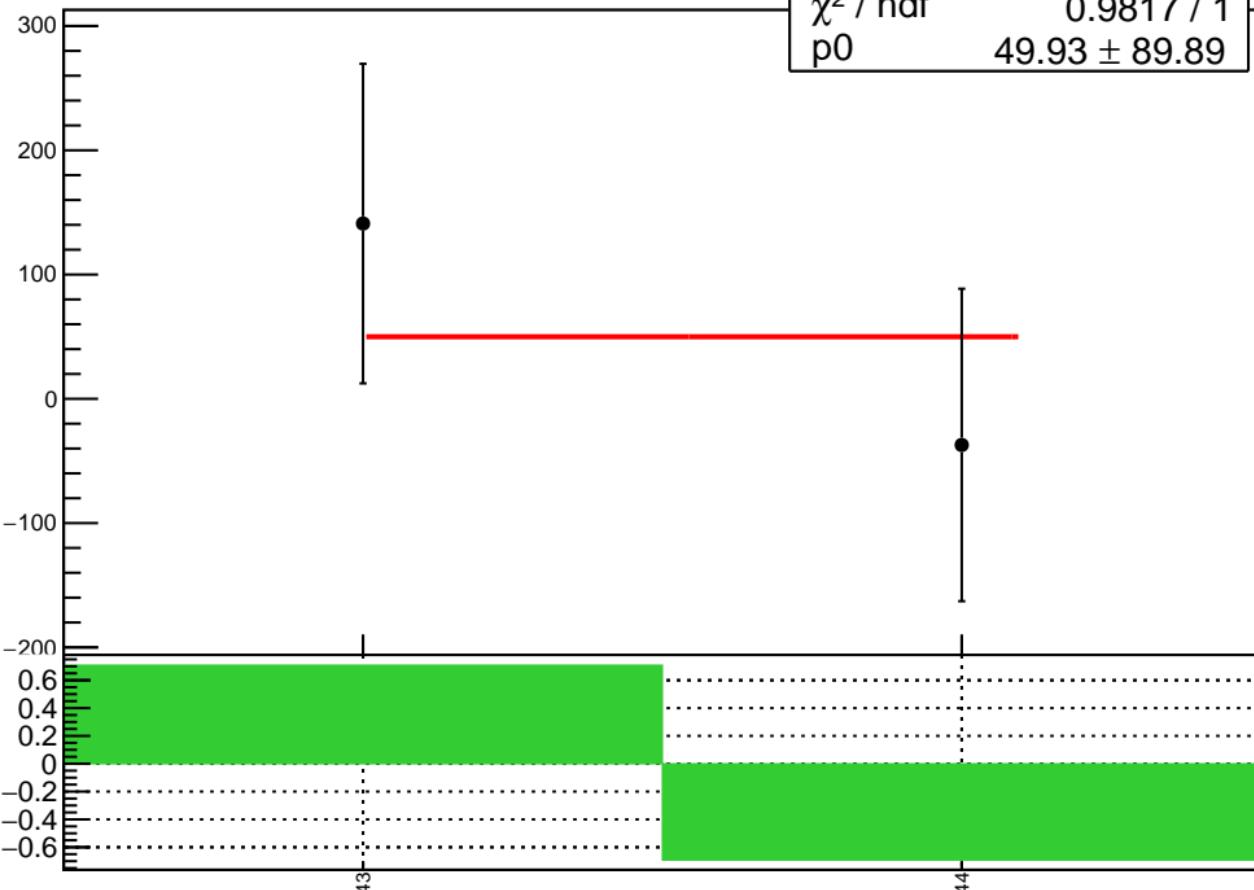
lagr_asym_us_avg RMS (ppm)

RMS (ppm)

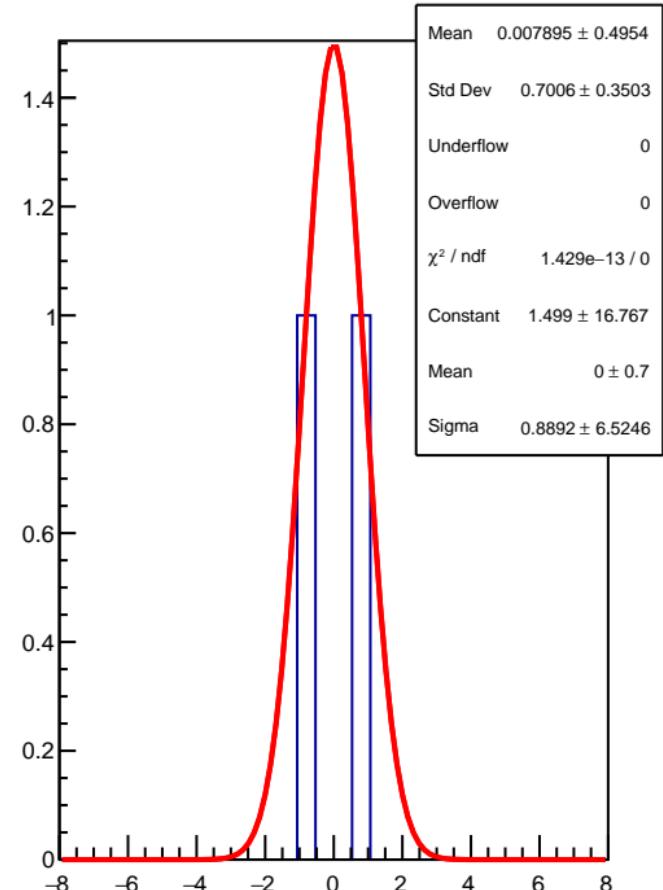


lagr_asym_us_dd (ppb)

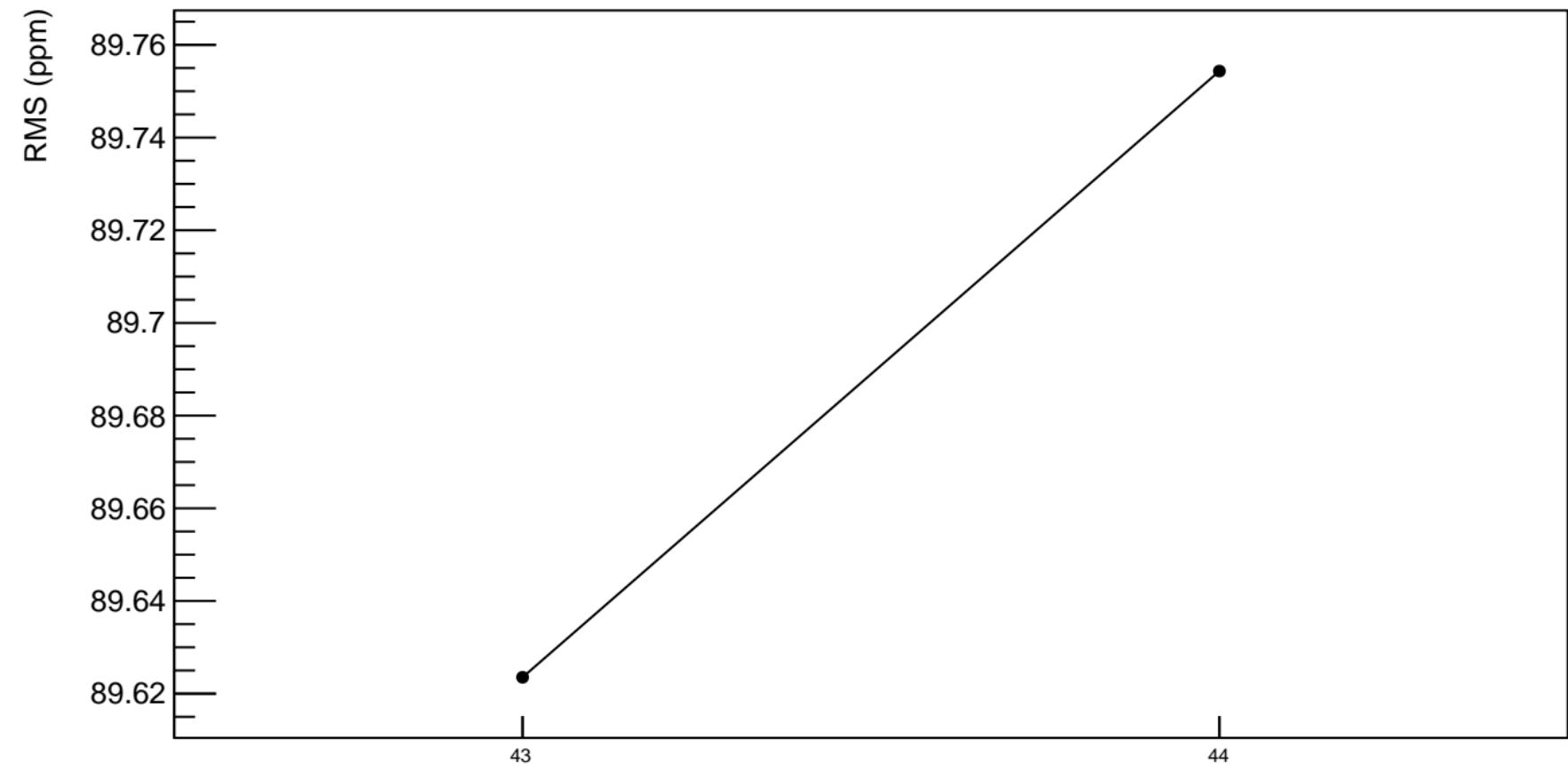
χ^2 / ndf 0.9817 / 1
p0 49.93 ± 89.89



1D pull distribution

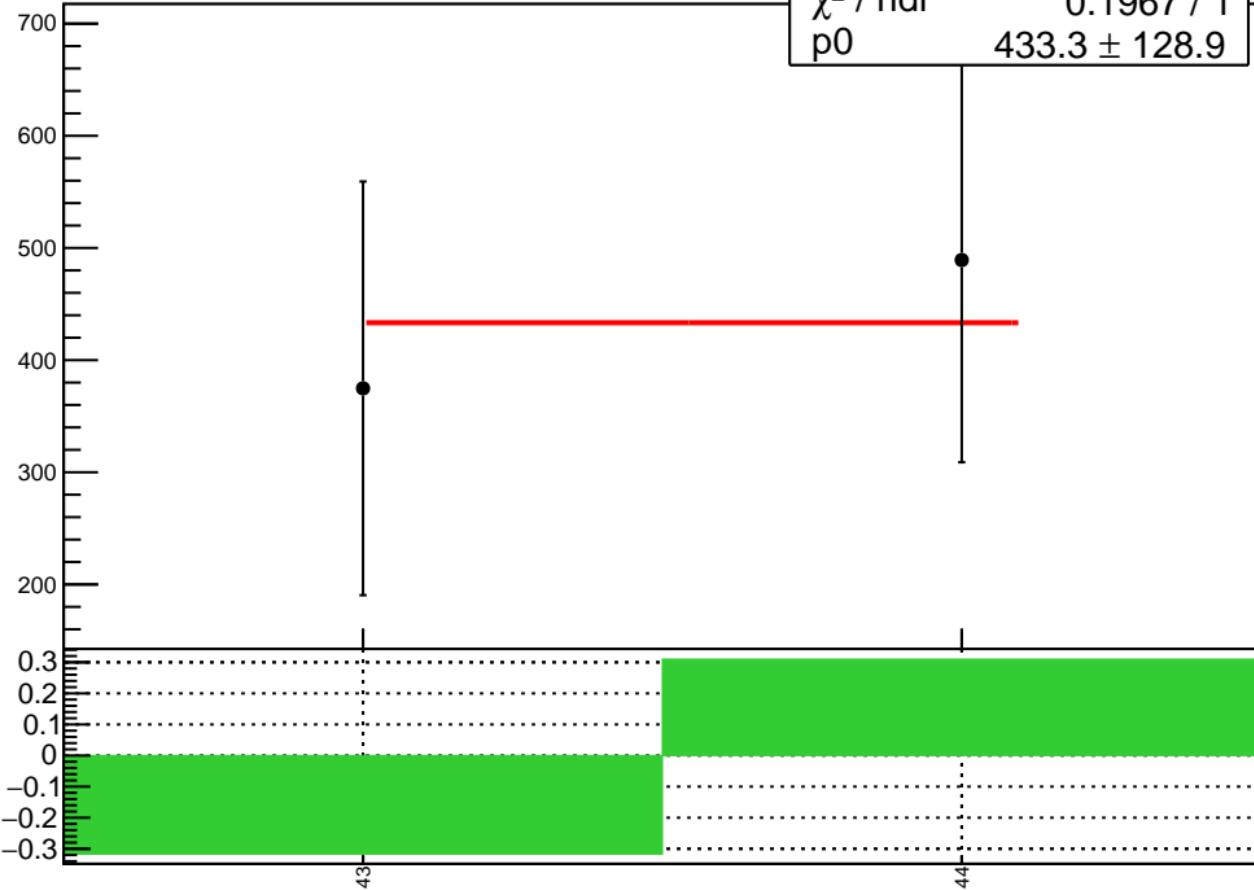


lagr_asym_us_dd RMS (ppm)

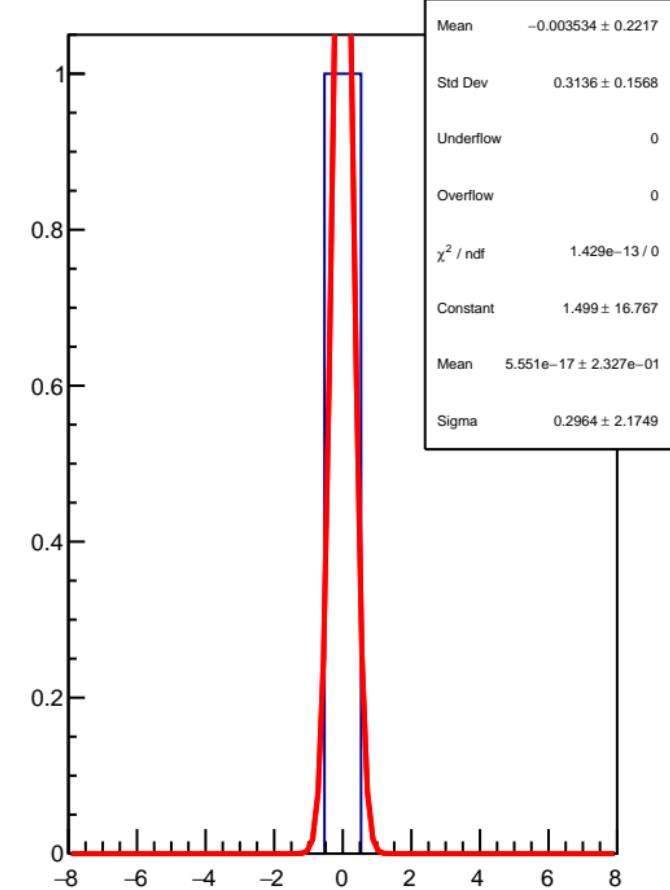


lagr_asym_usr (ppb)

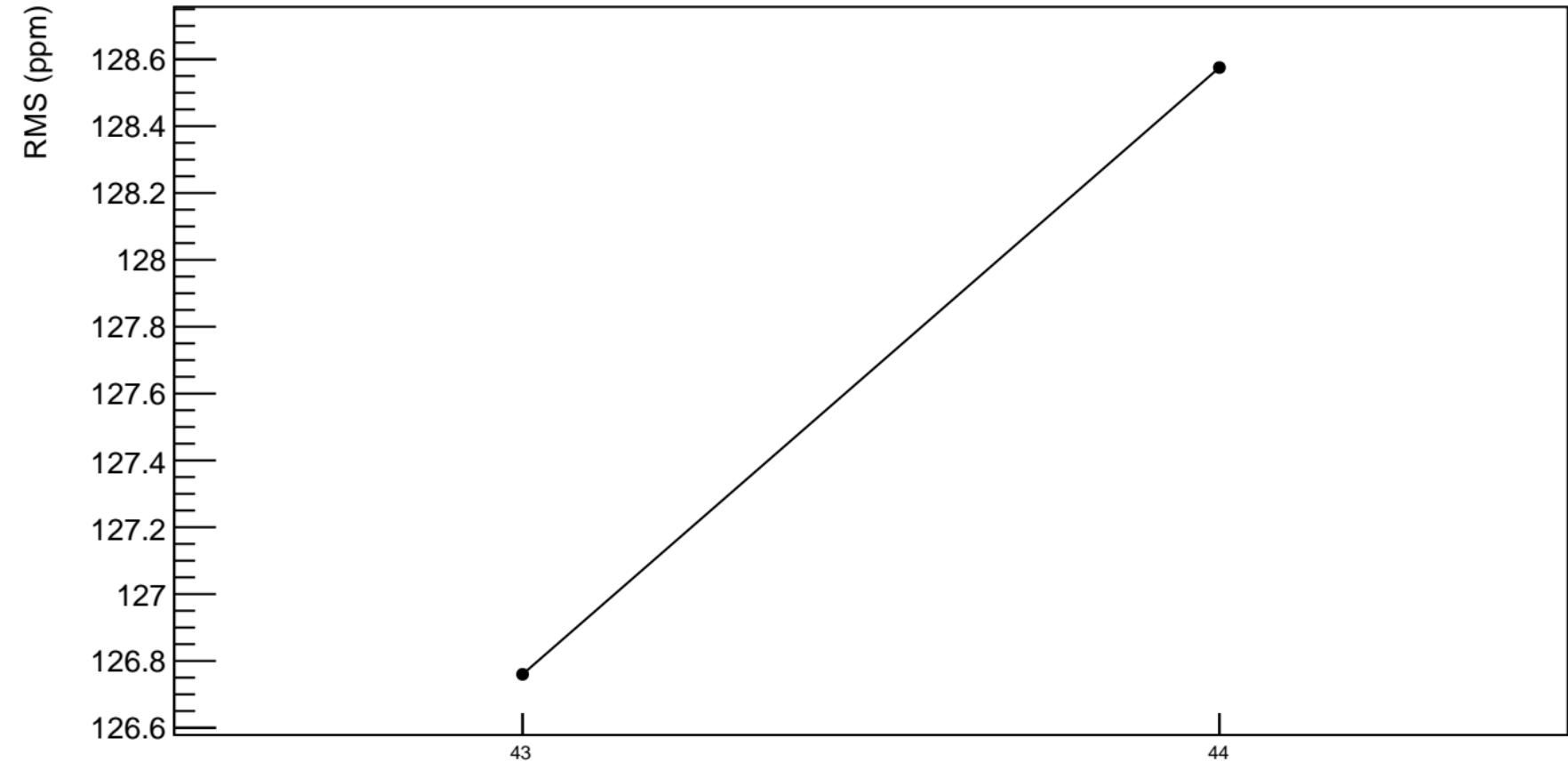
χ^2 / ndf 0.1967 / 1
p0 433.3 ± 128.9



1D pull distribution

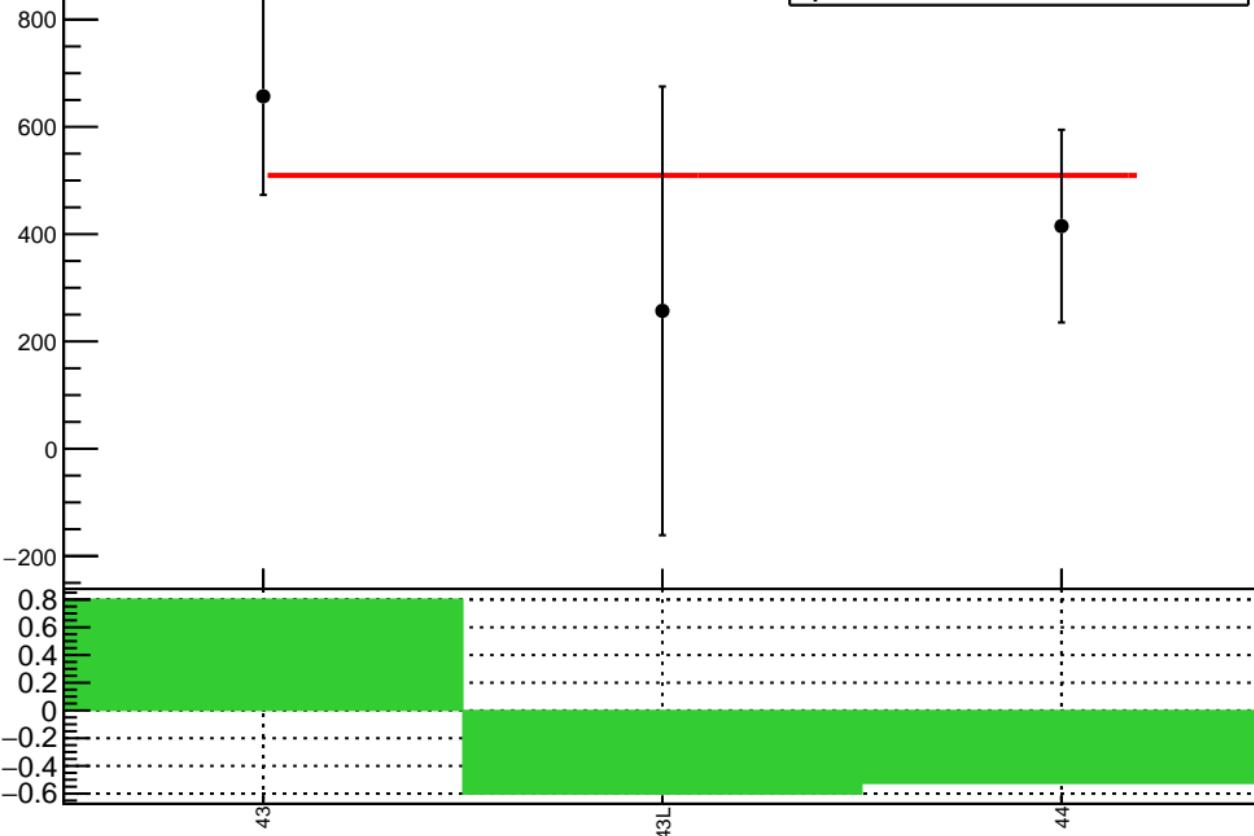


lagr_asym_usr RMS (ppm)

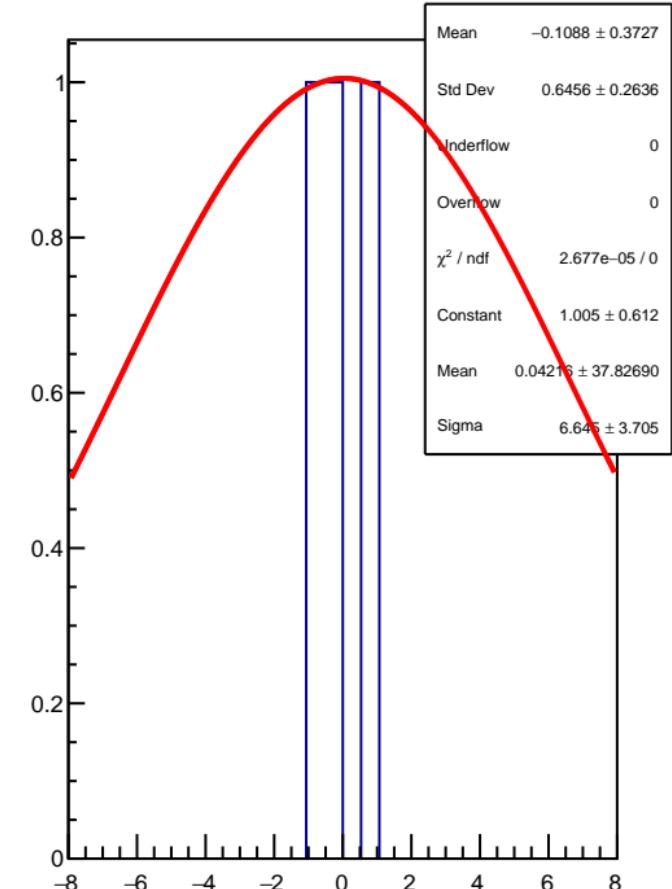


lagr_asym_usl (ppb)

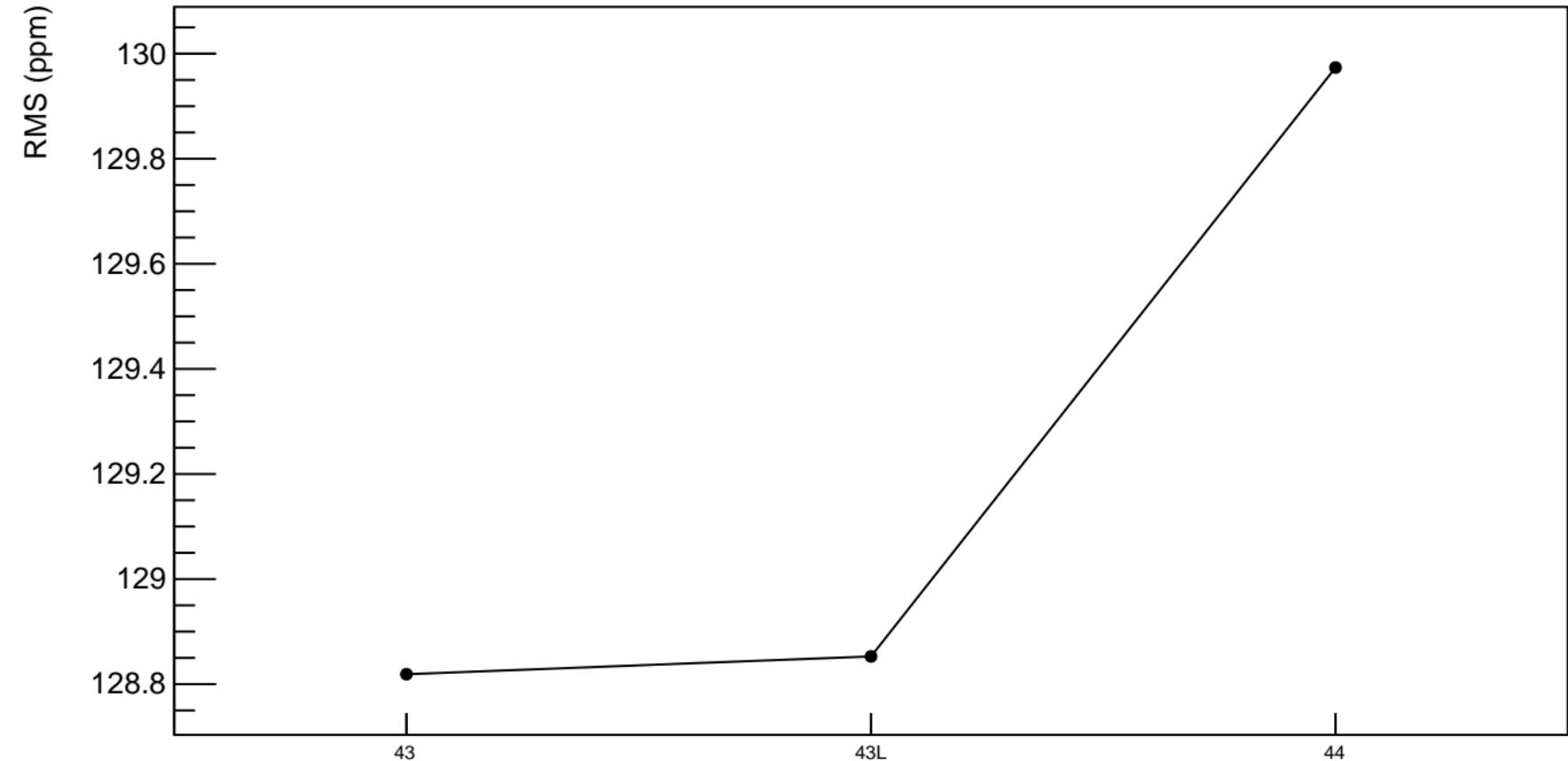
χ^2 / ndf 1.286 / 2
p0 509.4 ± 122.7



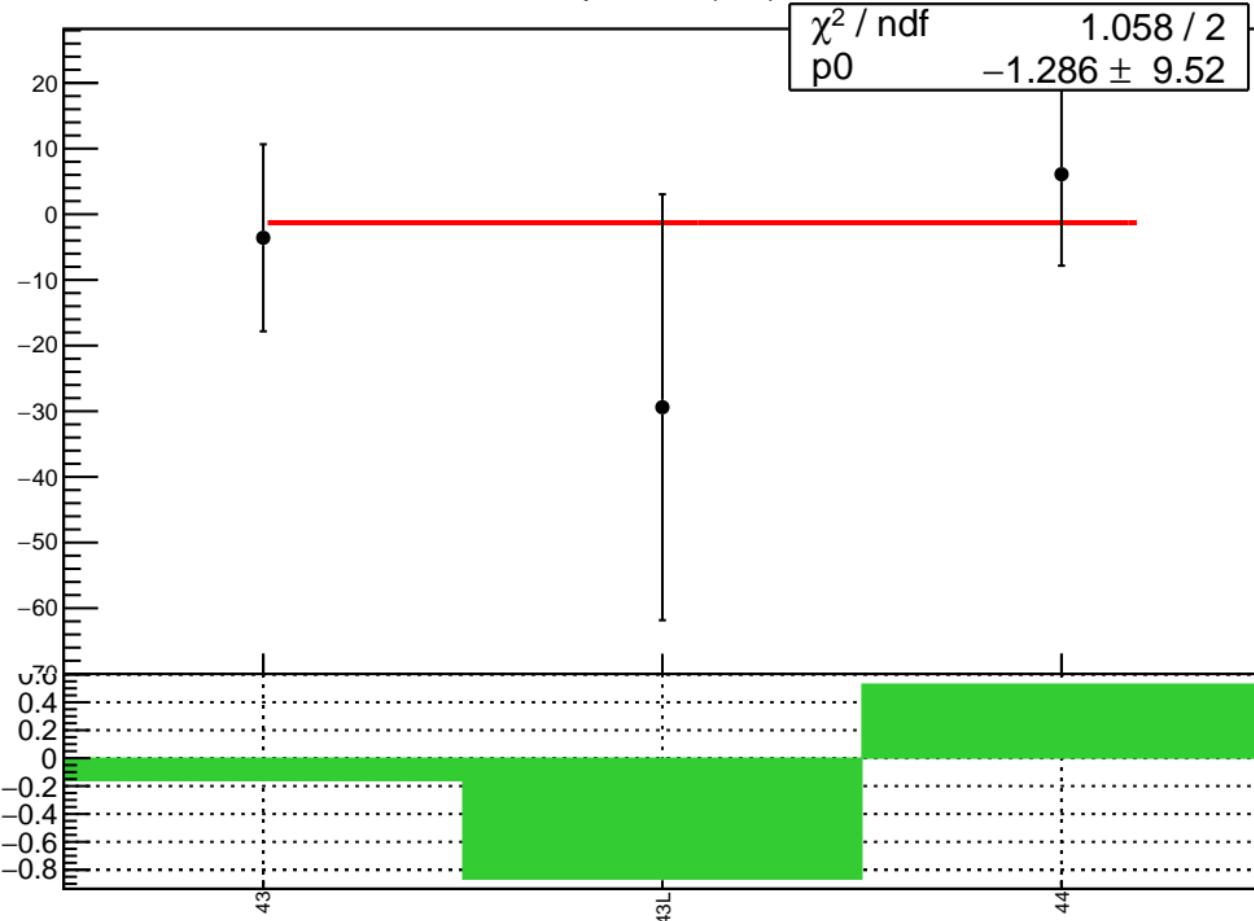
1D pull distribution



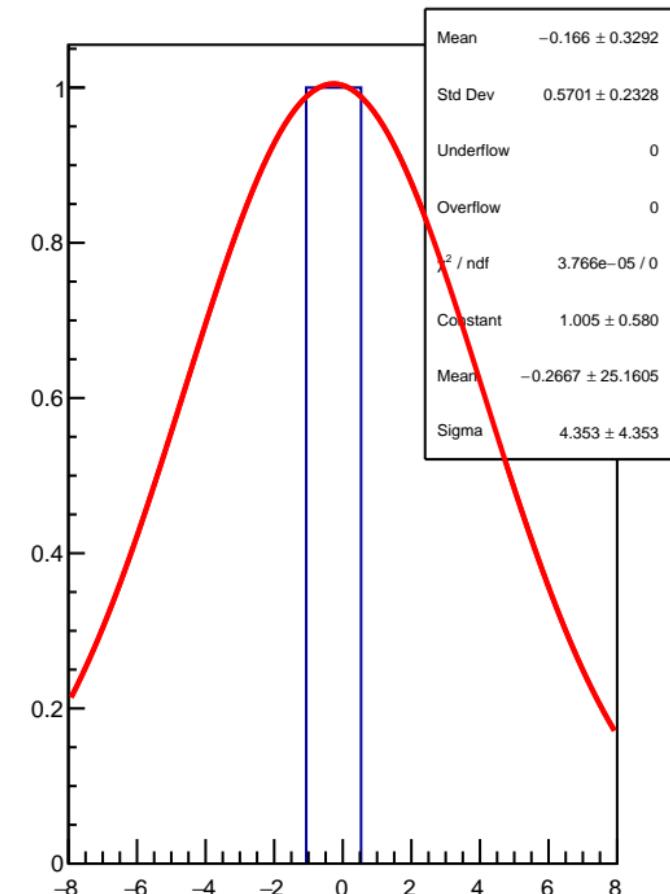
lagr_asym_usl RMS (ppm)



diff_bpm4eX (nm)

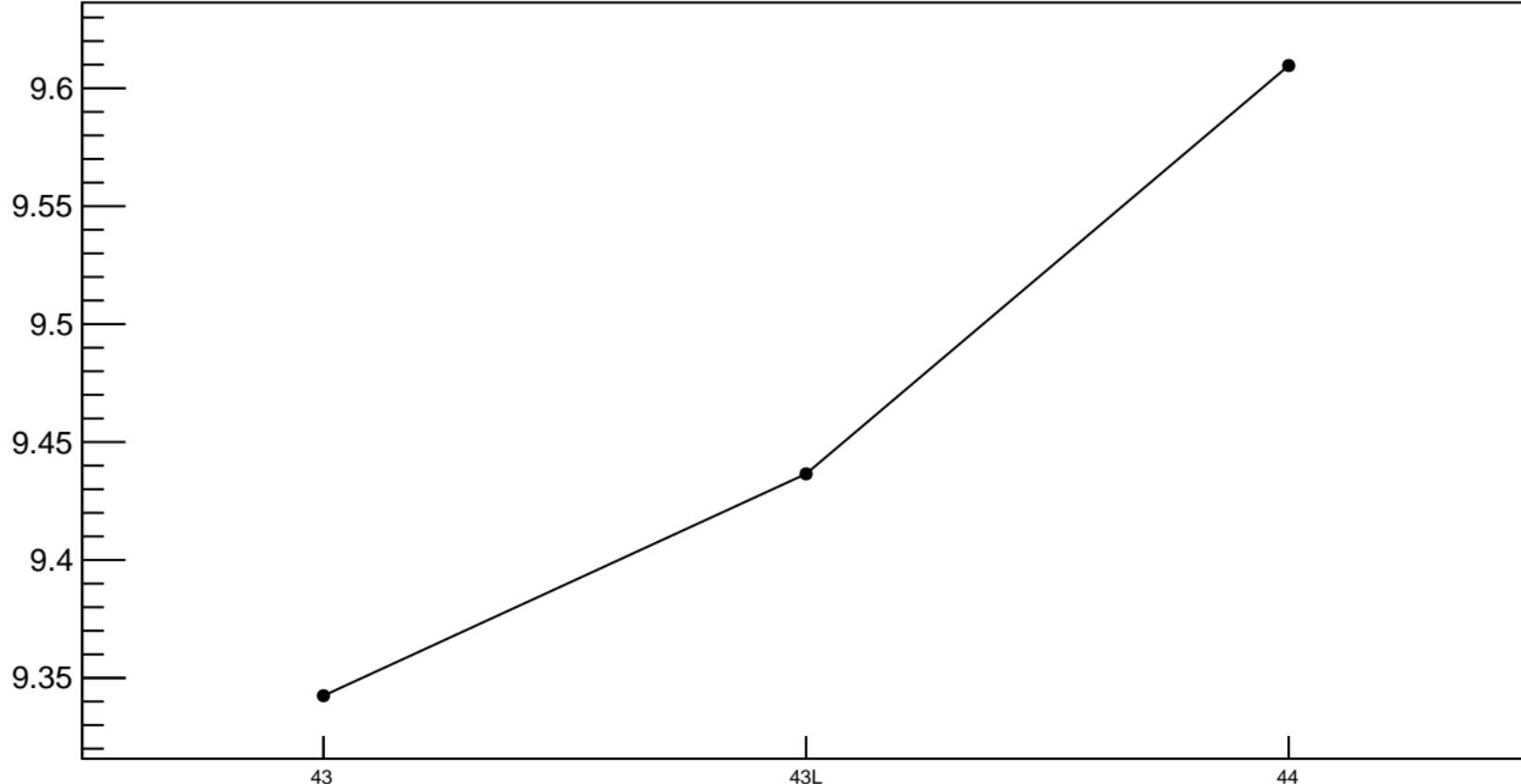


1D pull distribution



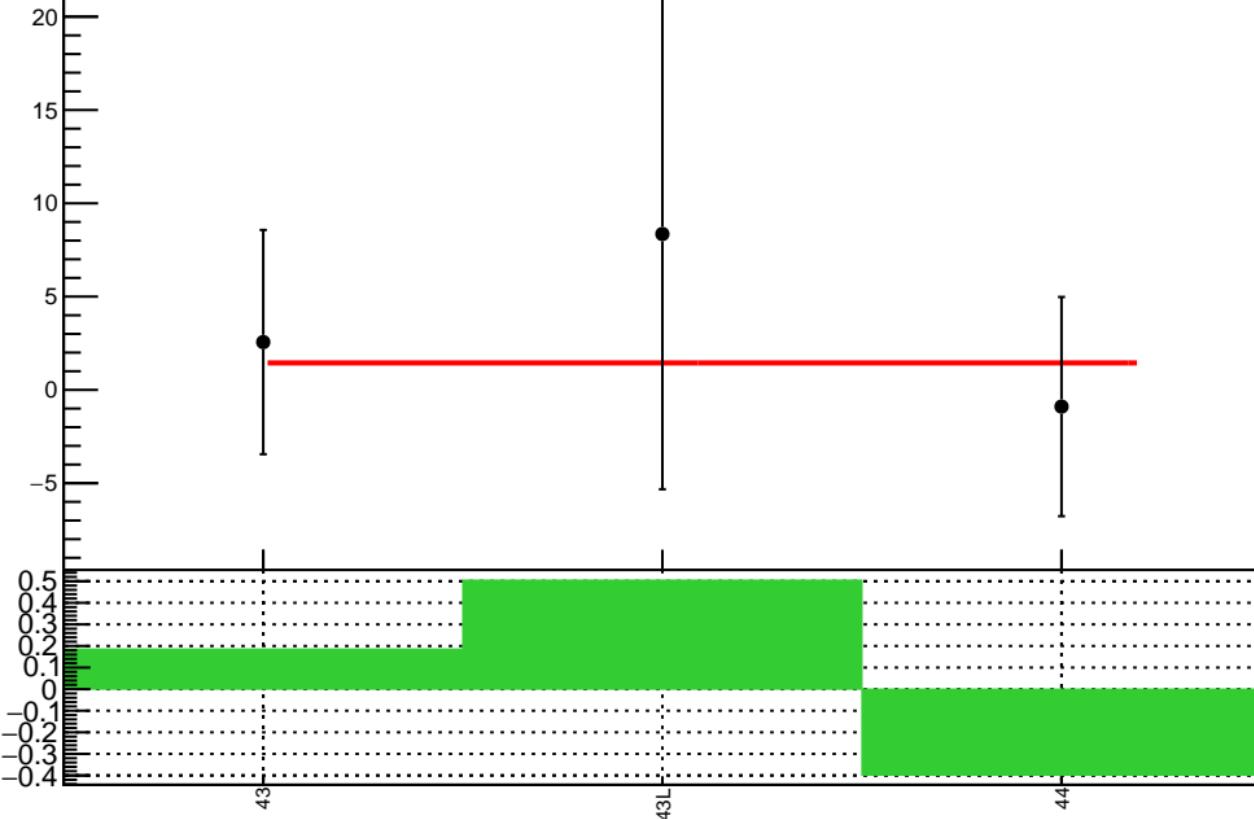
diff_bpm4eX RMS (um)

RMS (um)

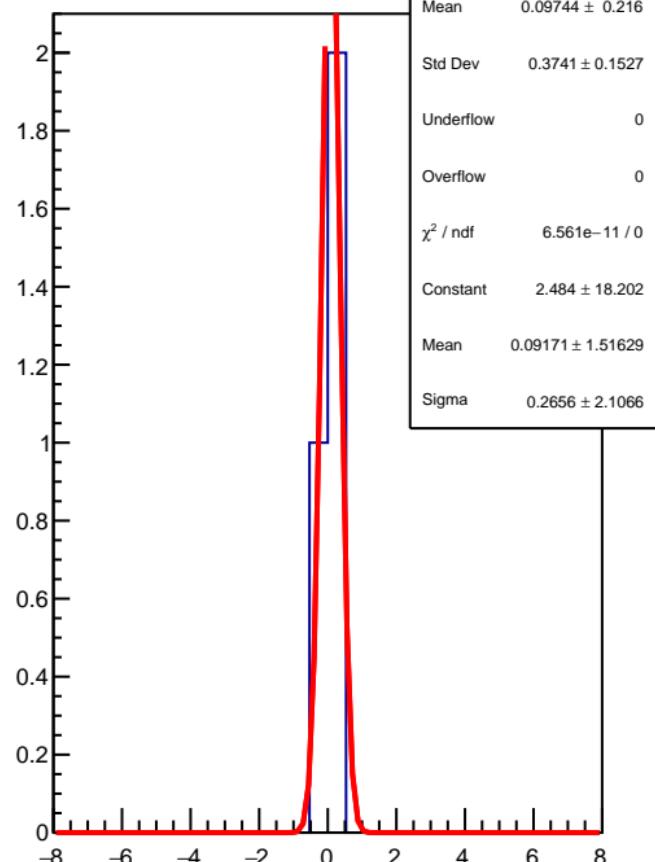


diff_bpm4eY (nm)

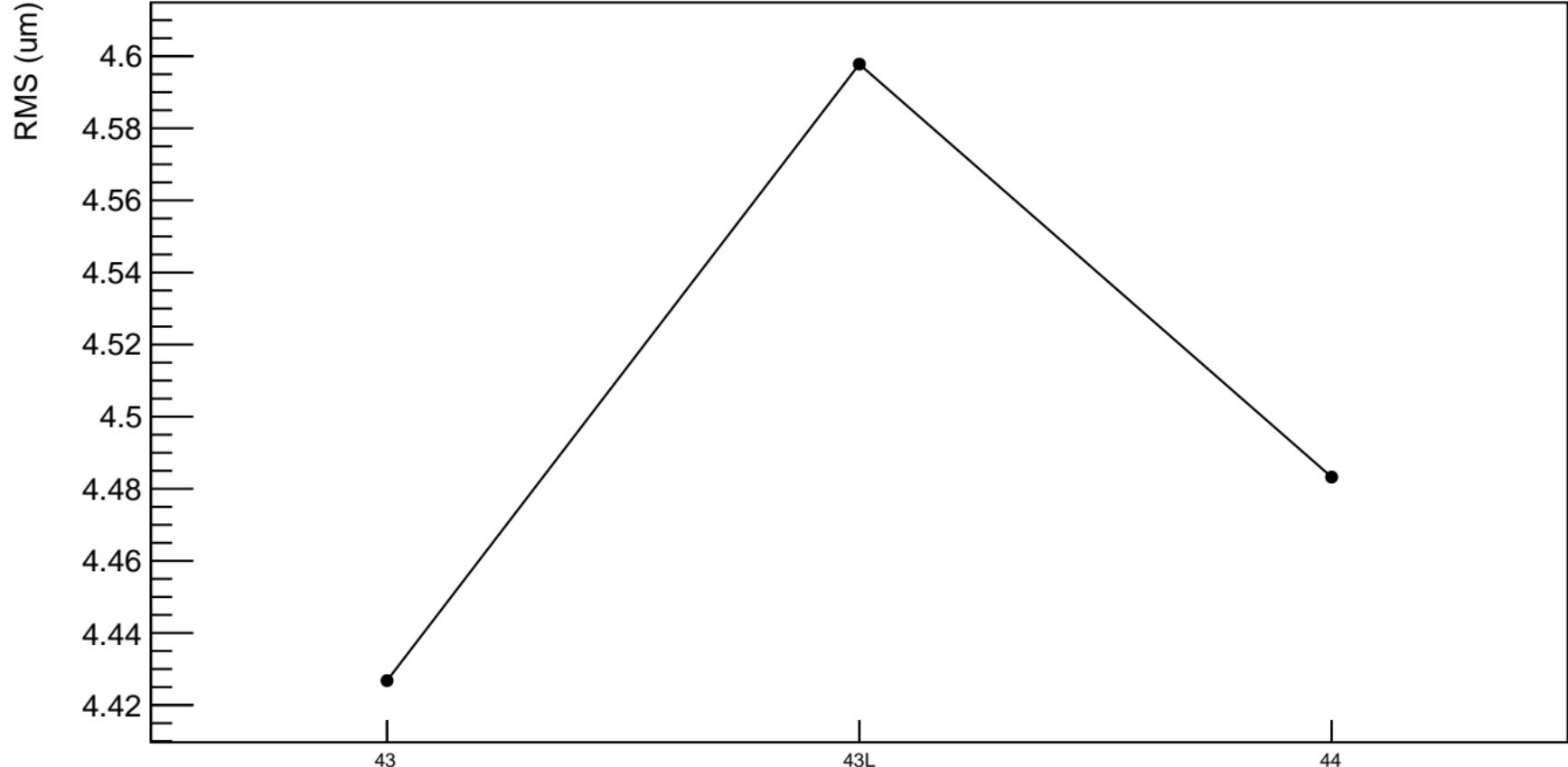
χ^2 / ndf 0.4483 / 2
 p_0 1.446 ± 4.015



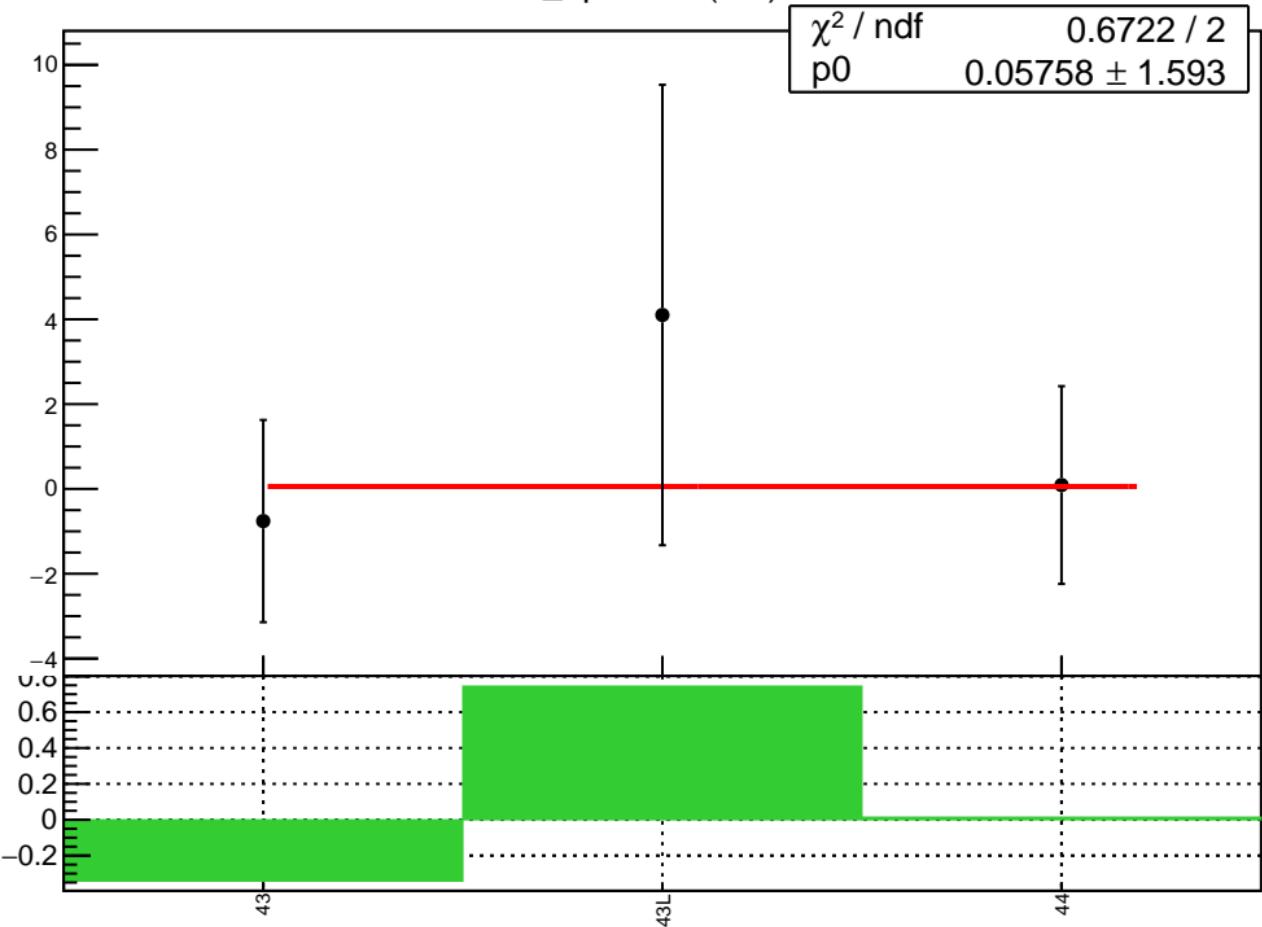
1D pull distribution



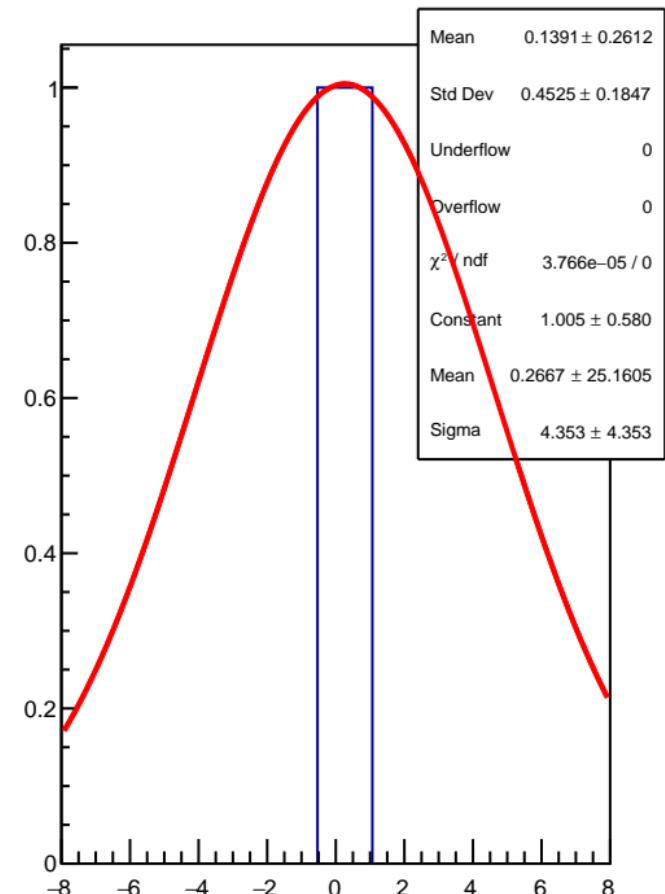
diff_bpm4eY RMS (um)



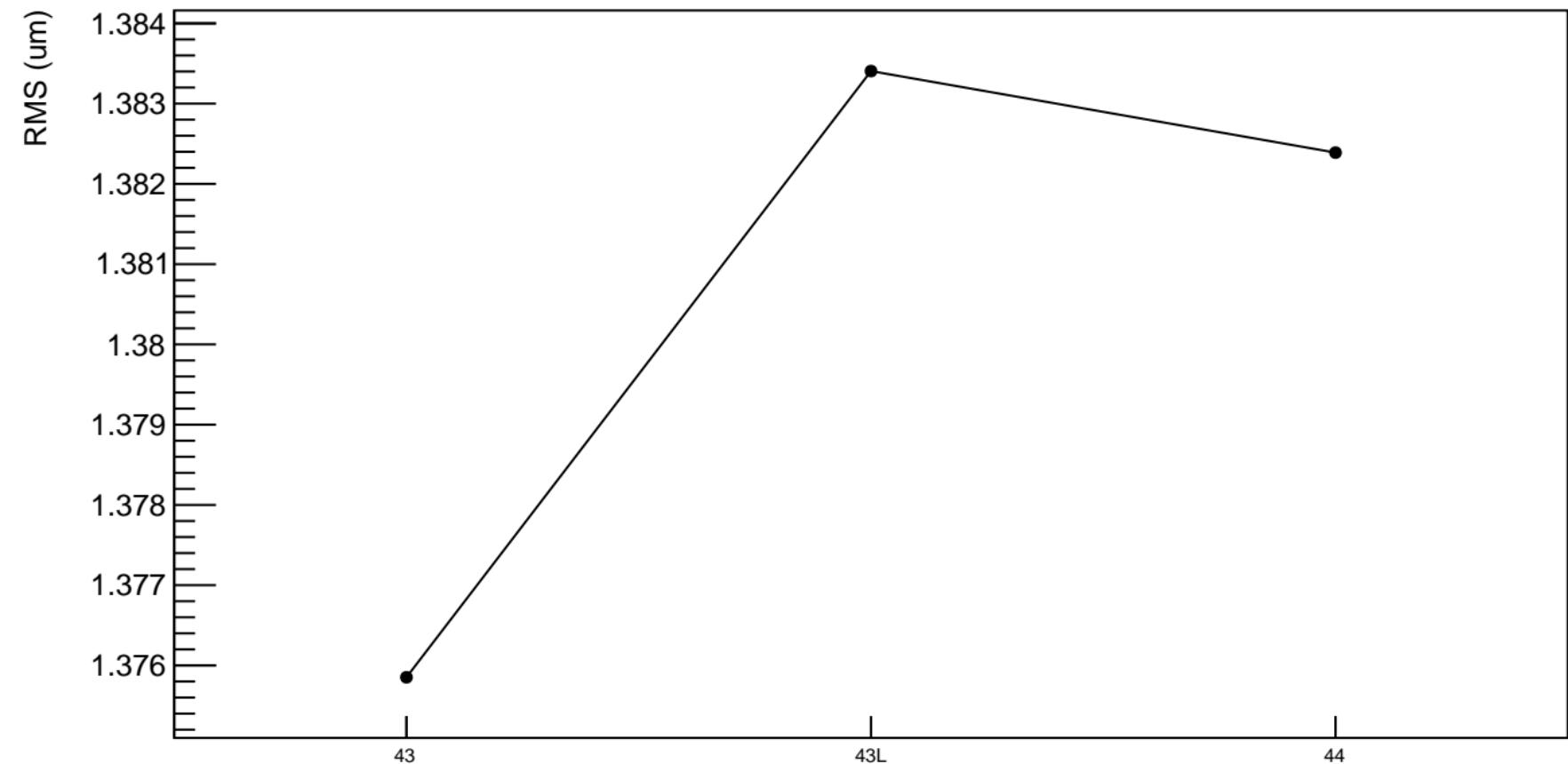
diff_bpm4aX (nm)



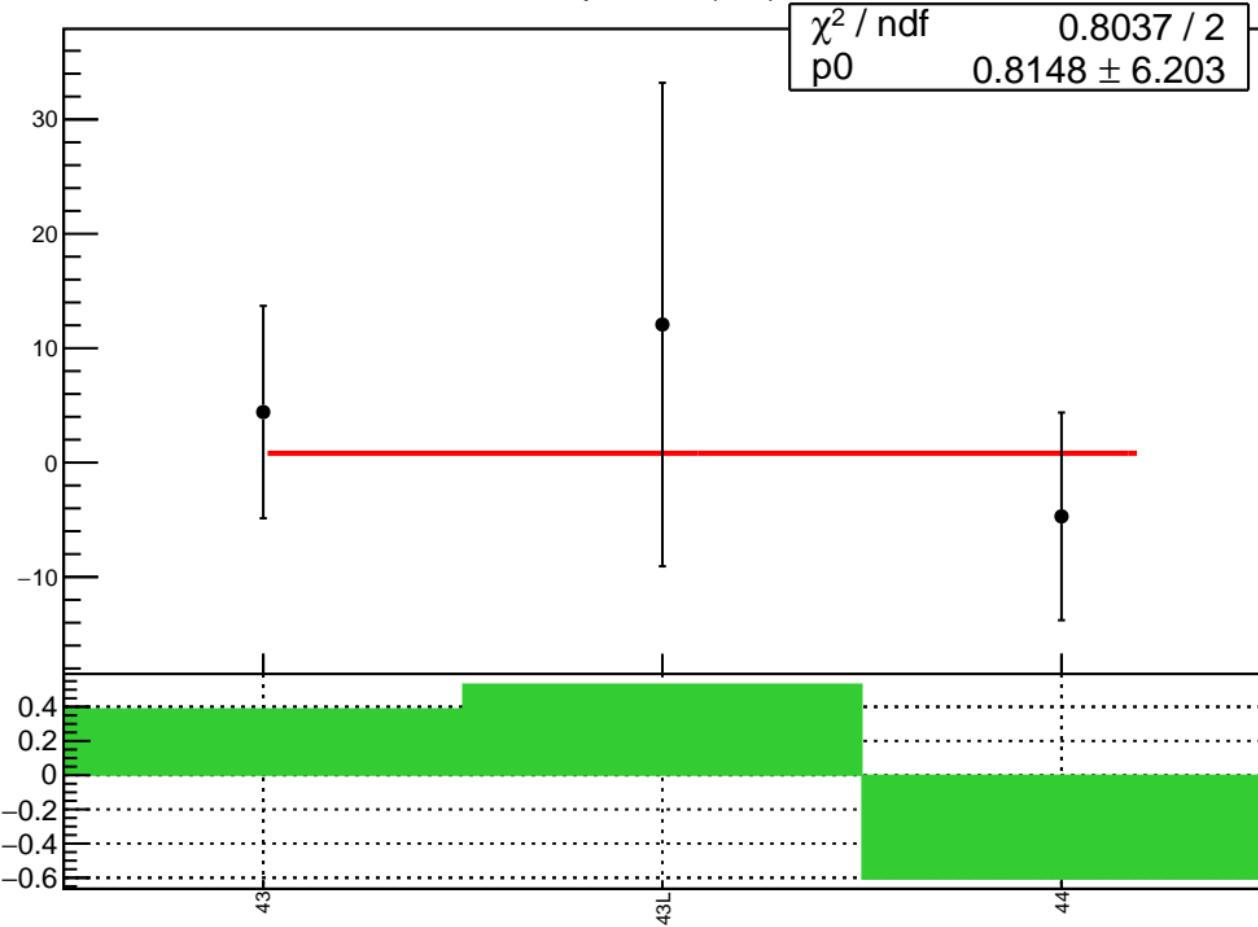
1D pull distribution



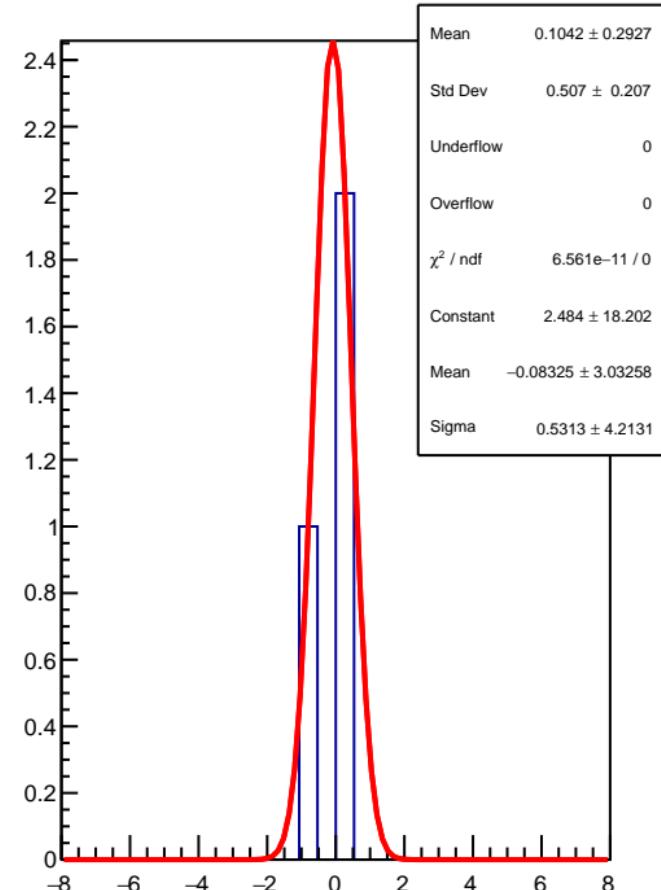
diff_bpm4aX RMS (um)



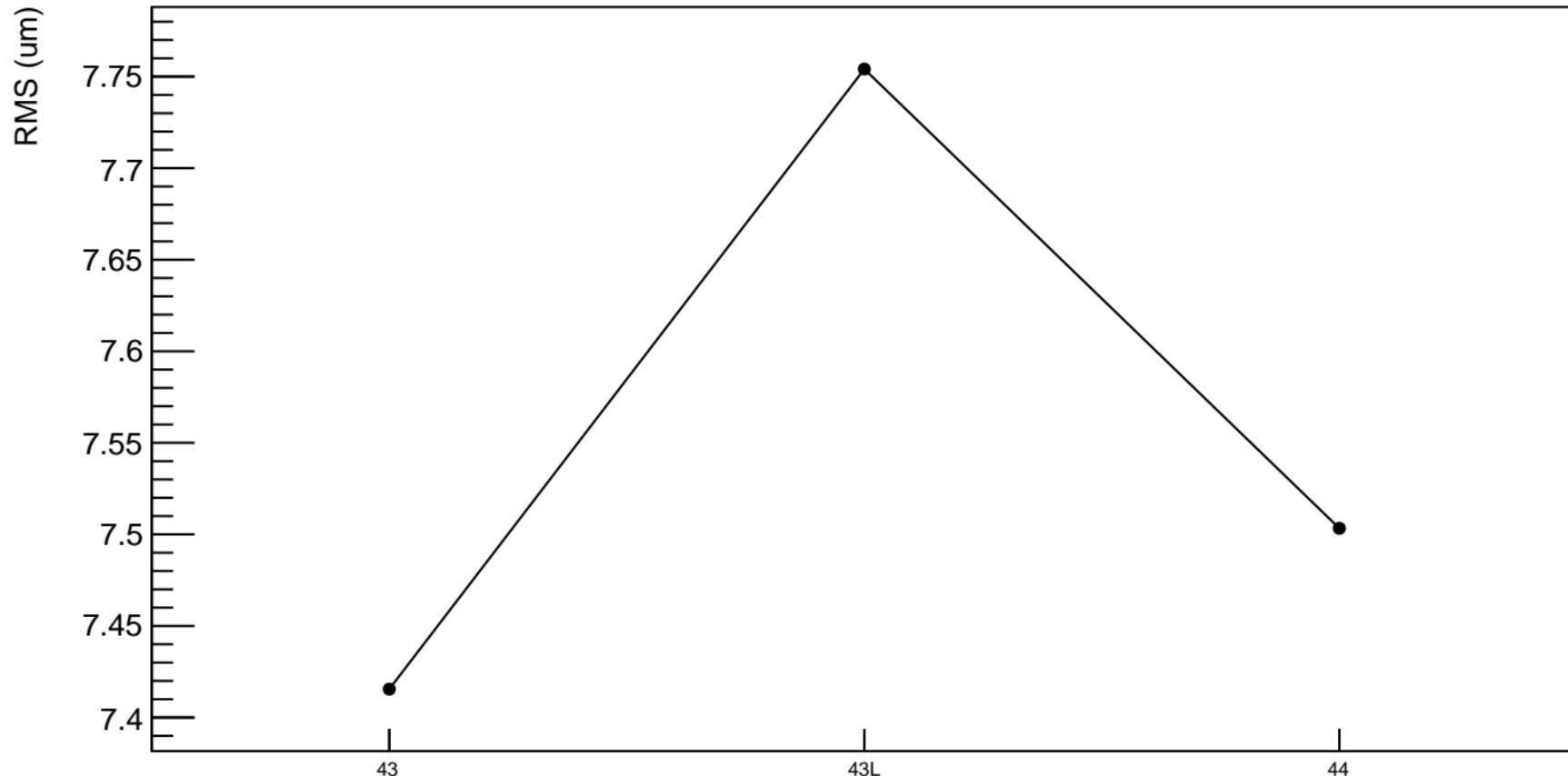
diff_bpm4aY (nm)



1D pull distribution



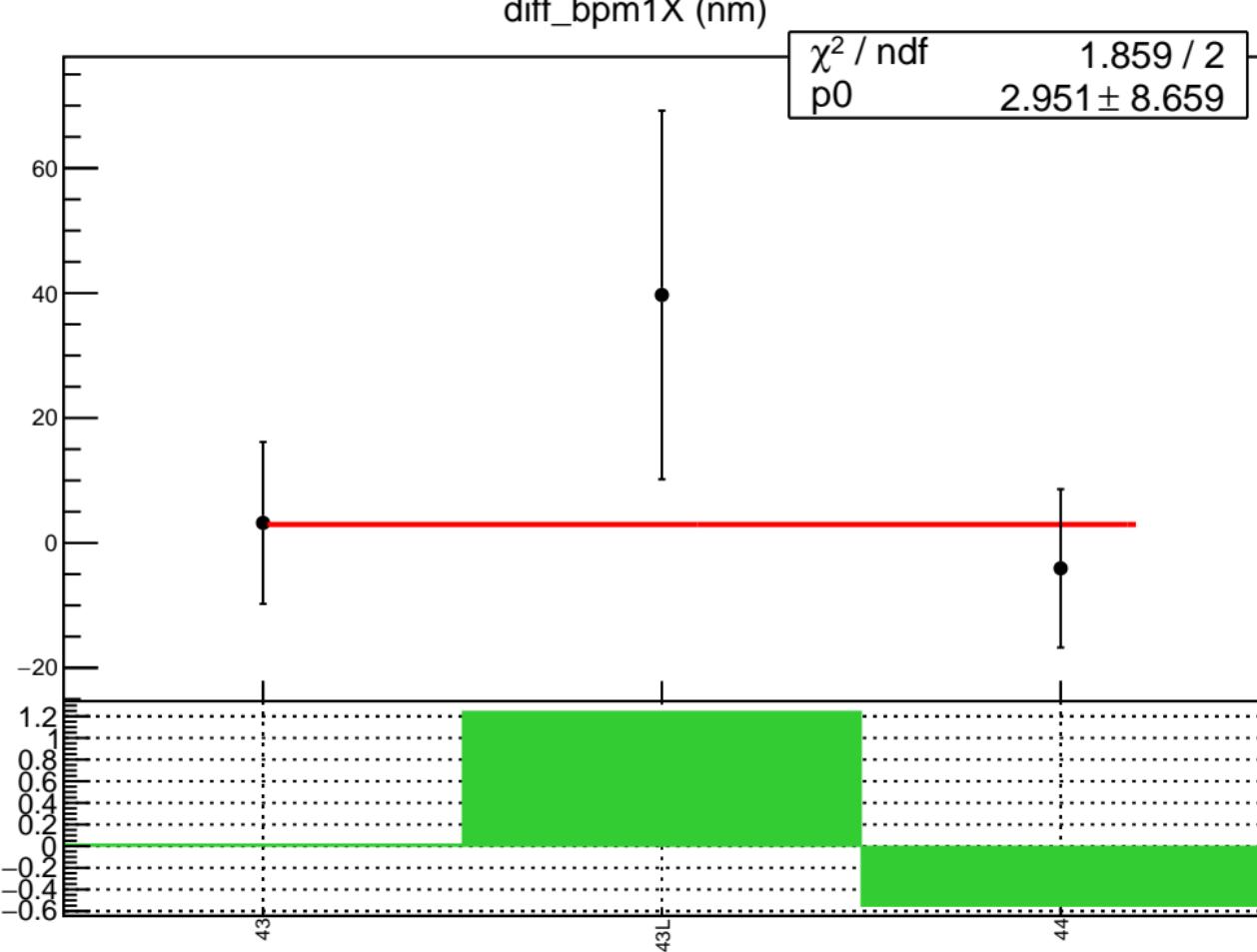
diff_bpm4aY RMS (um)



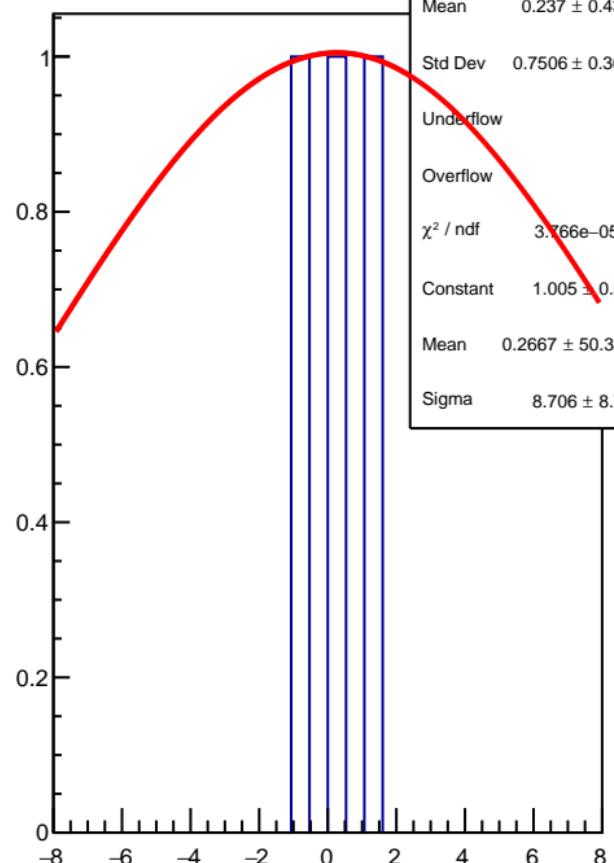
diff_bpm1X (nm)

 χ^2 / ndf

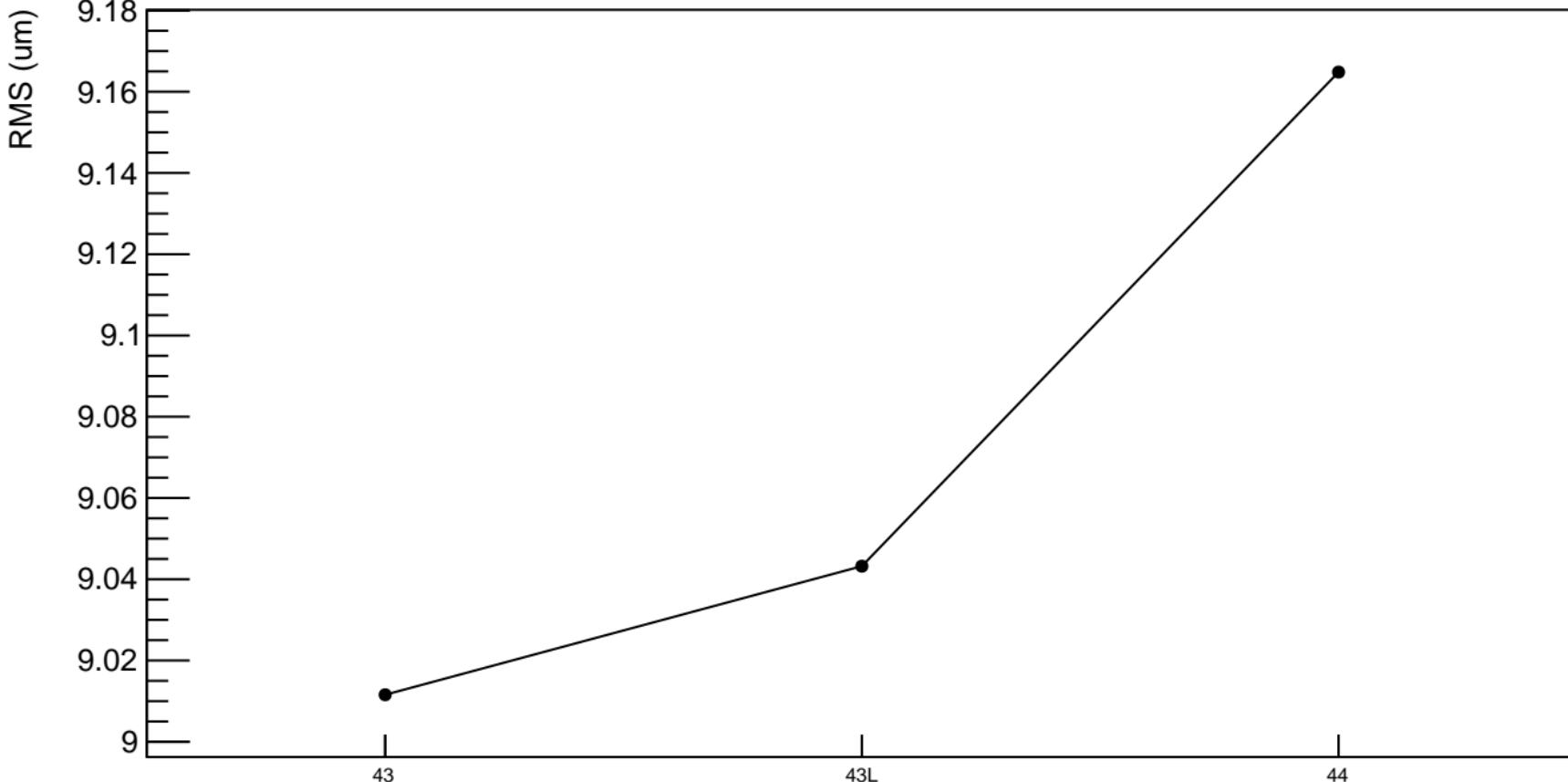
1.859 / 2

p0
 2.951 ± 8.659 

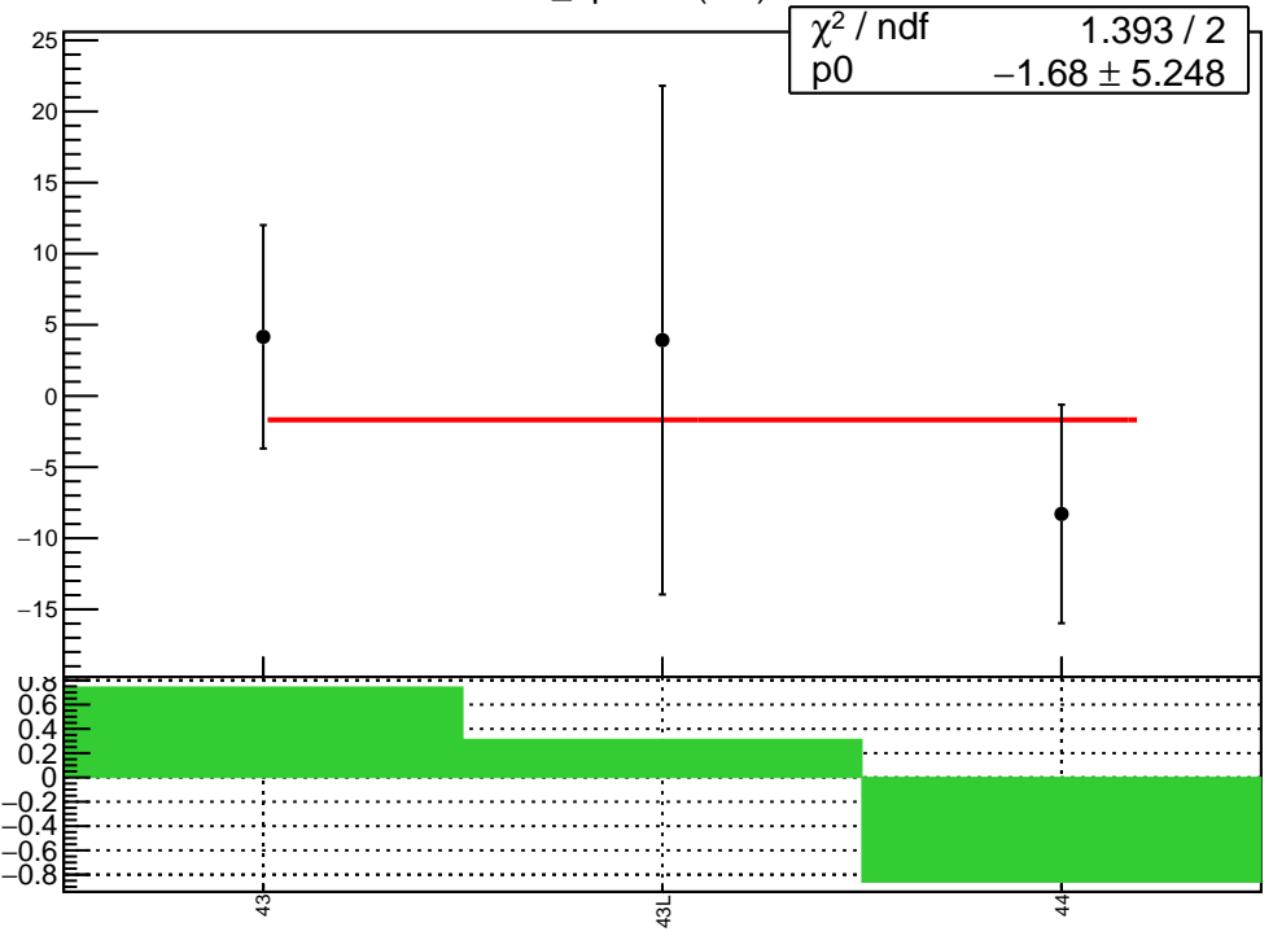
1D pull distribution

Mean
0.237 ± 0.4334Std Dev
0.7506 ± 0.3064Underflow
0Overflow
0 χ^2 / ndf
3.766e-05 / 0Constant
1.005 ± 0.580Mean
0.2667 ± 50.3210Sigma
8.706 ± 8.707

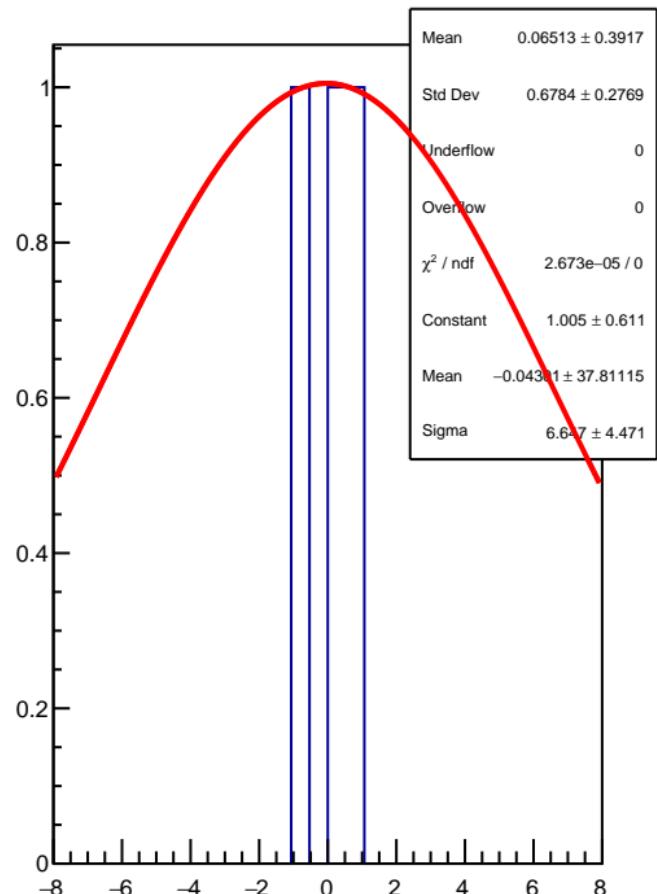
diff_bpm1X RMS (um)



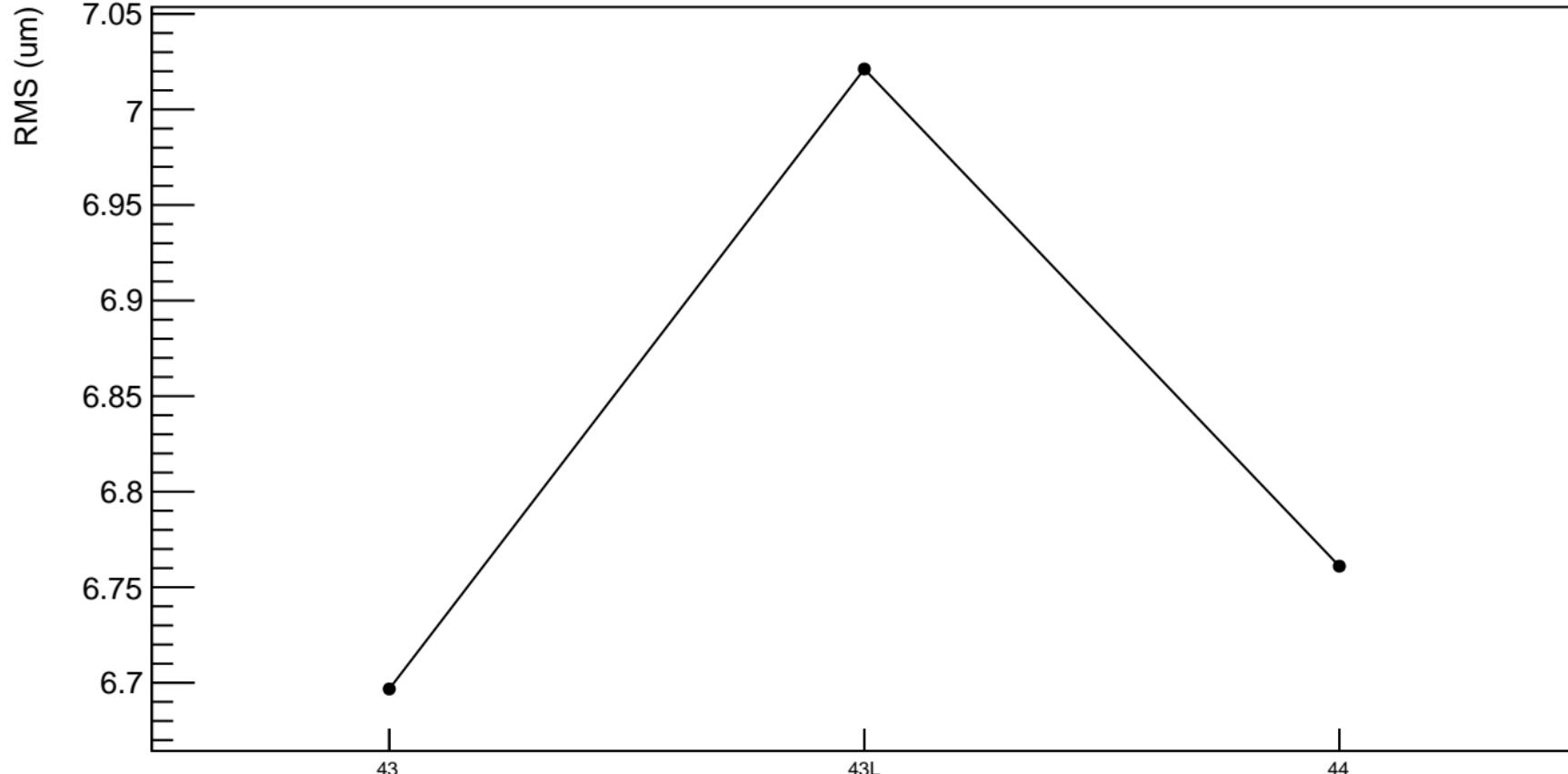
diff_bpm1Y (nm)



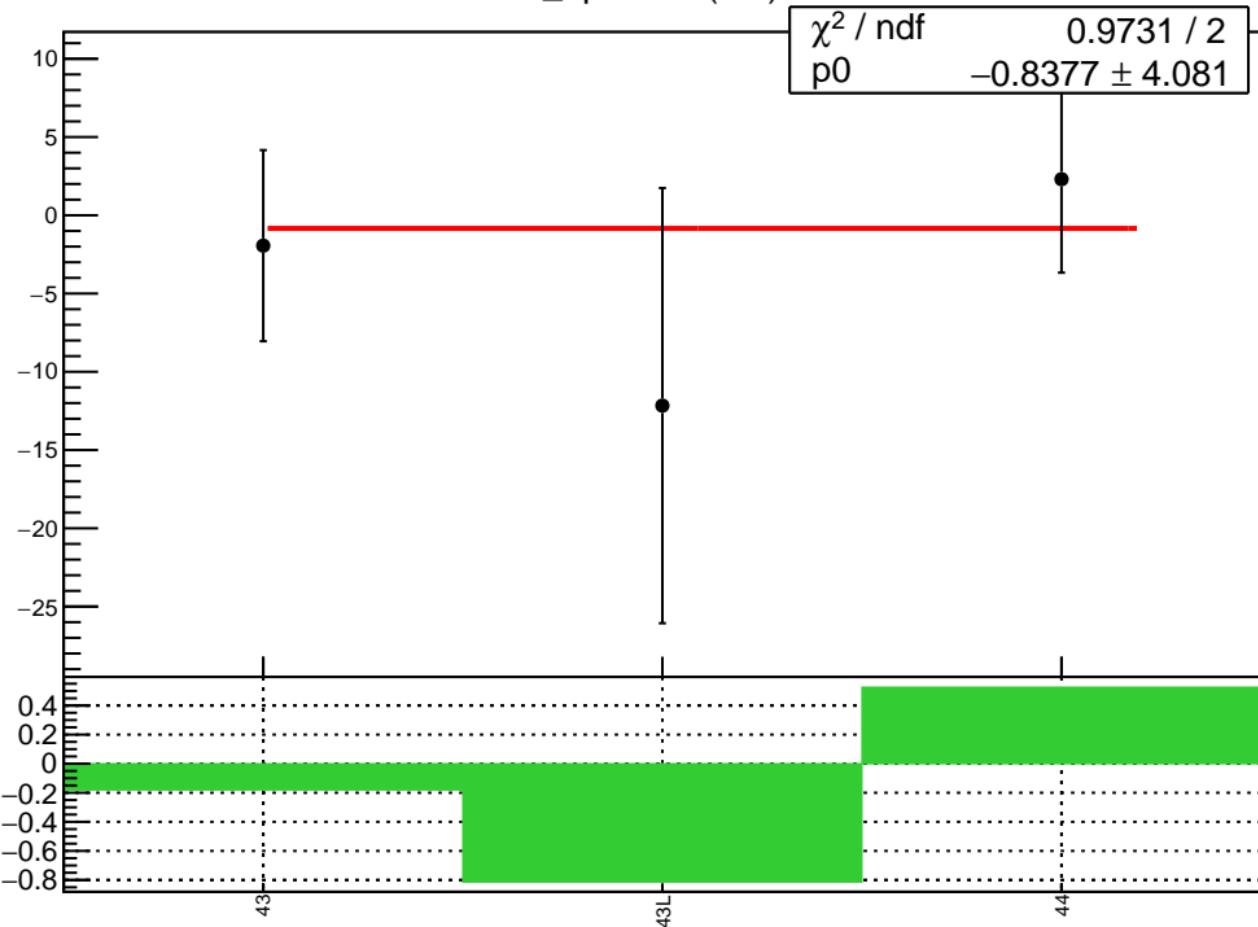
1D pull distribution



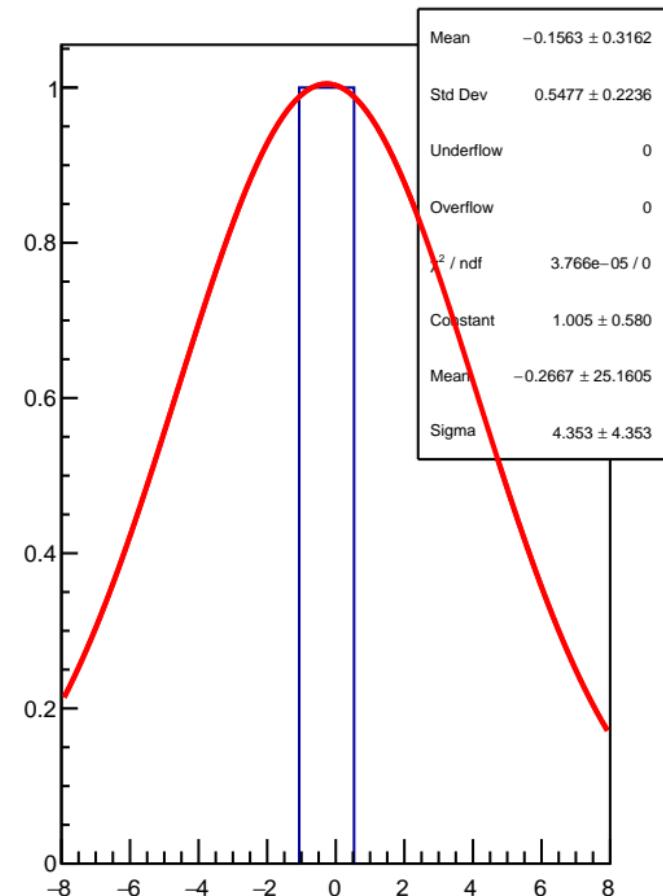
diff_bpm1Y RMS (um)



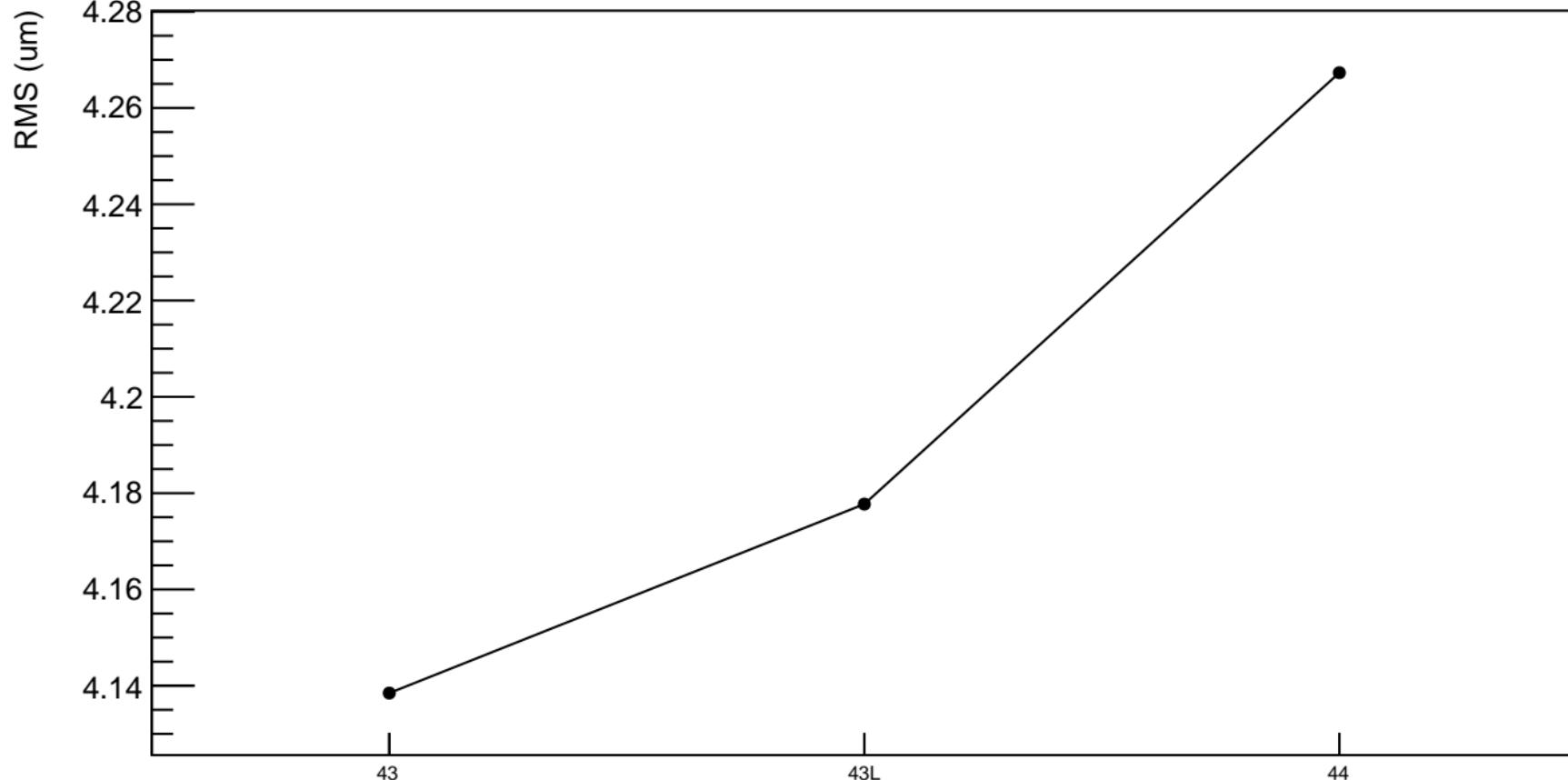
diff_bpm16X (nm)



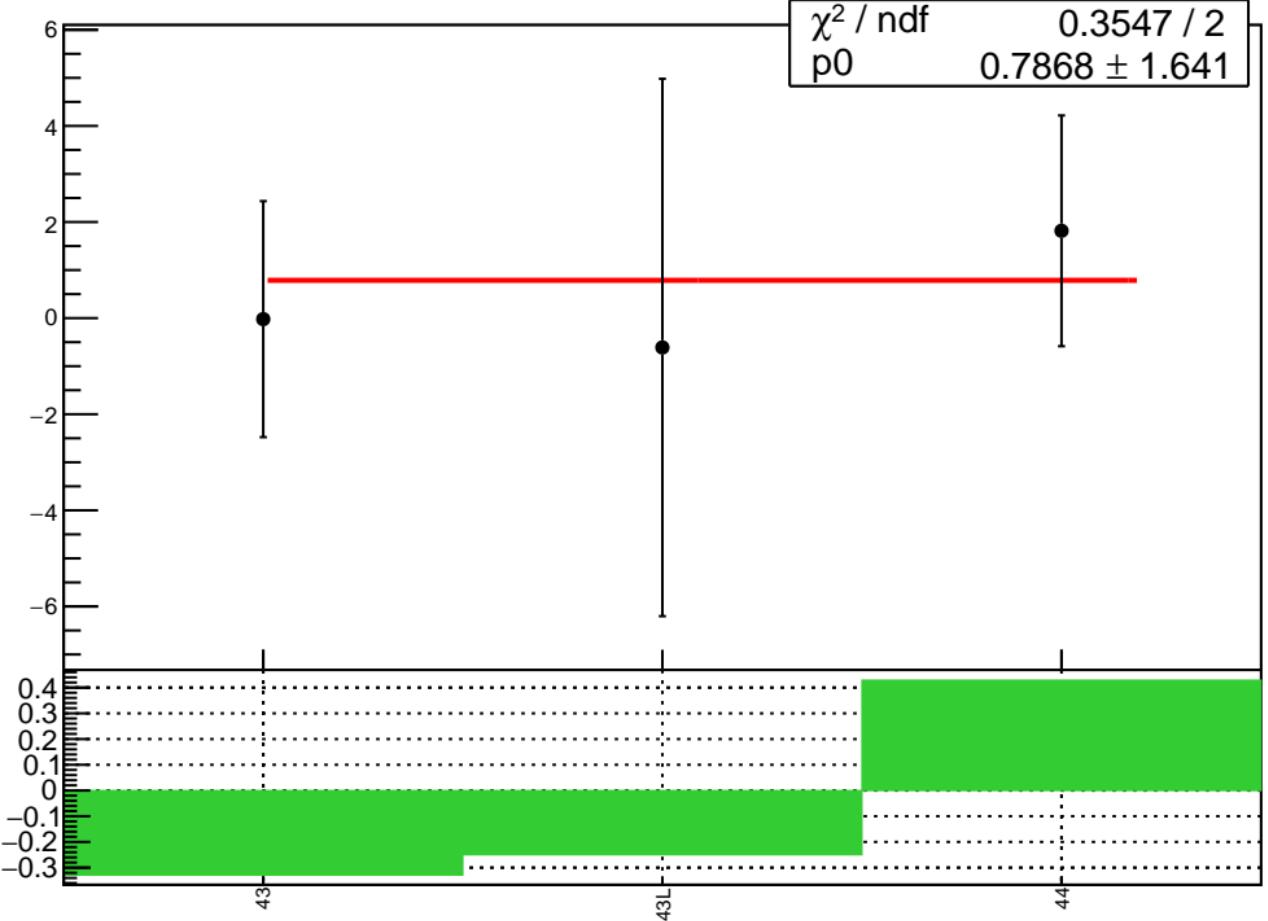
1D pull distribution



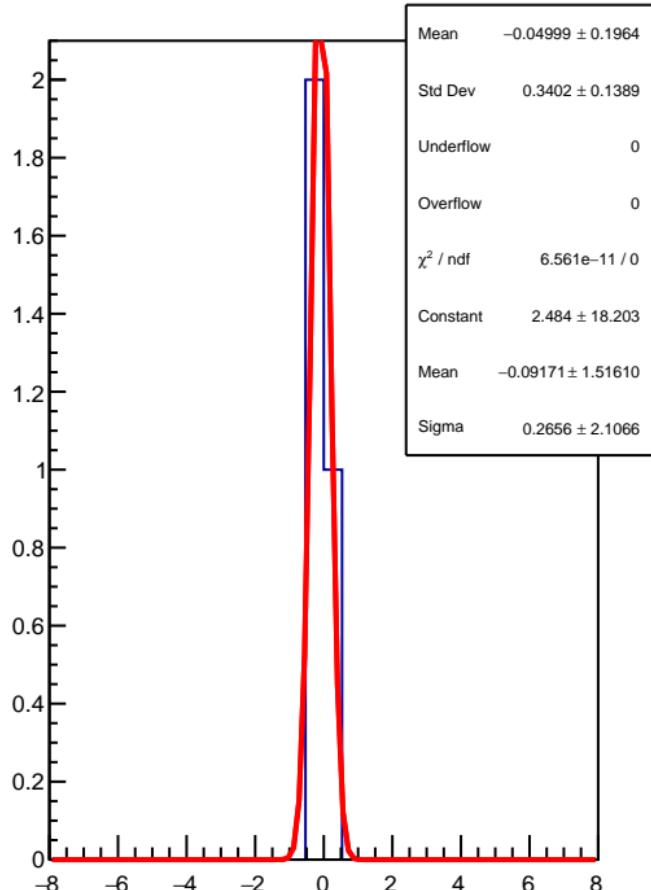
diff_bpm16X RMS (um)



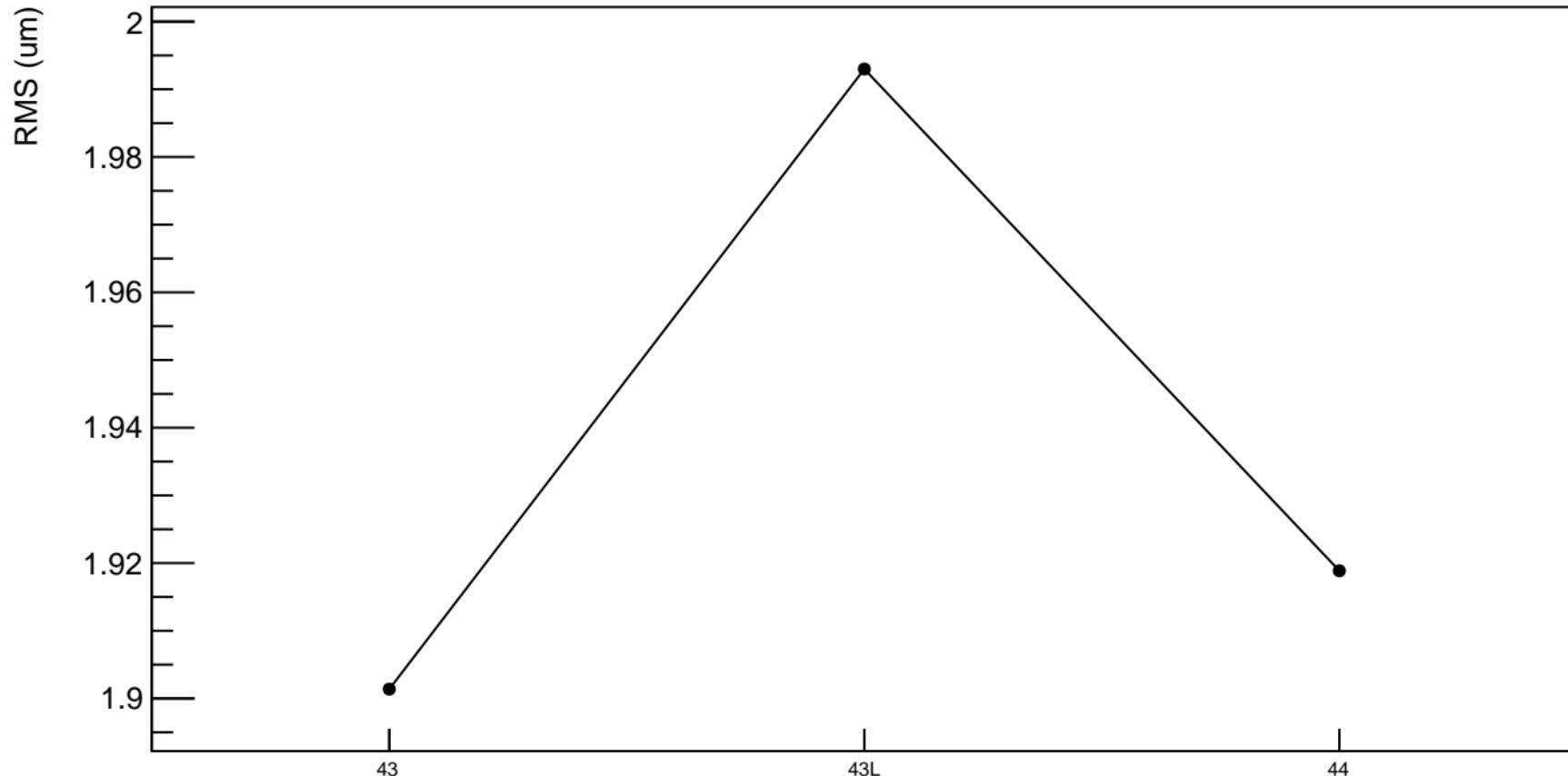
diff_bpm16Y (nm)



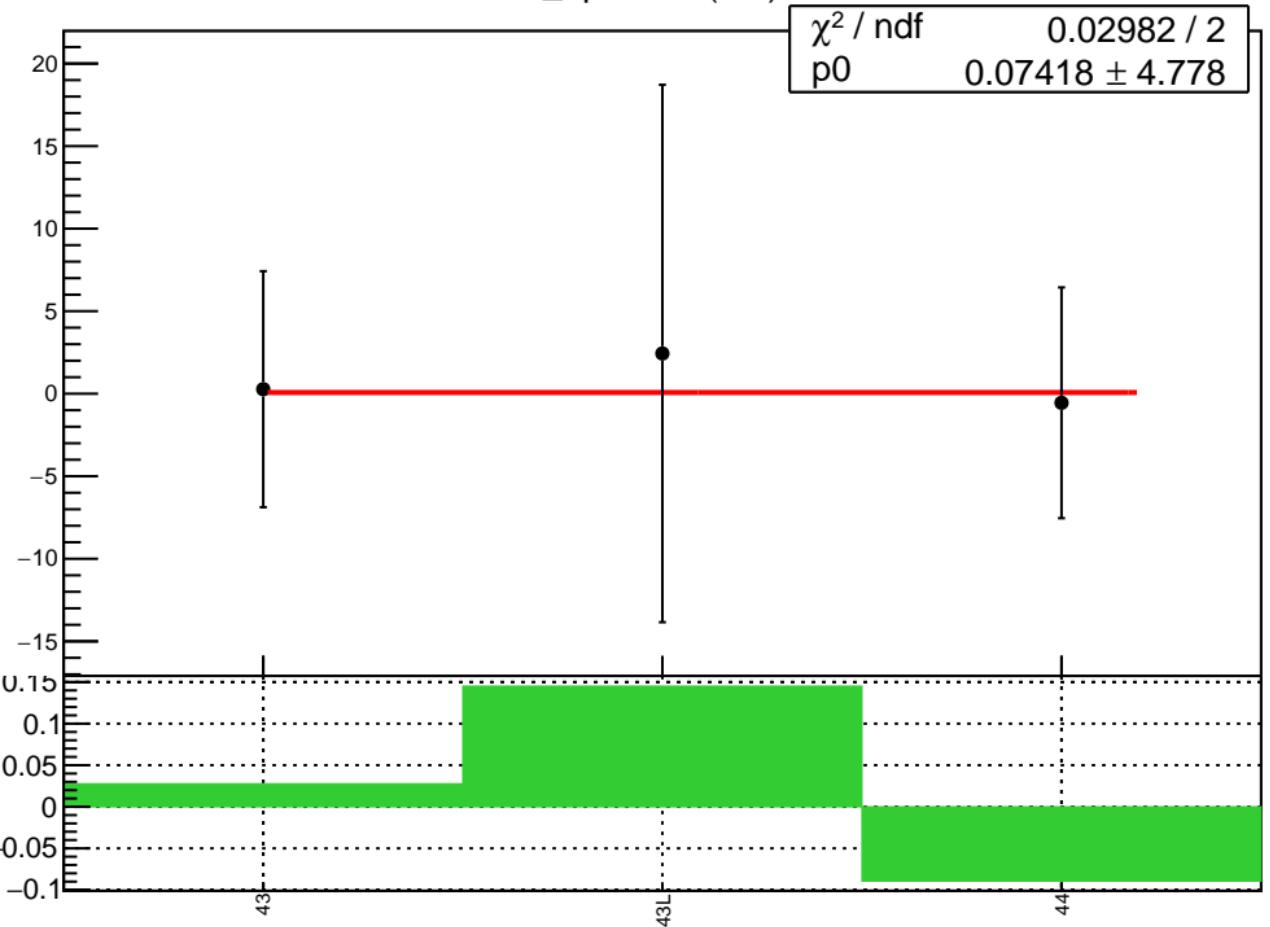
1D pull distribution



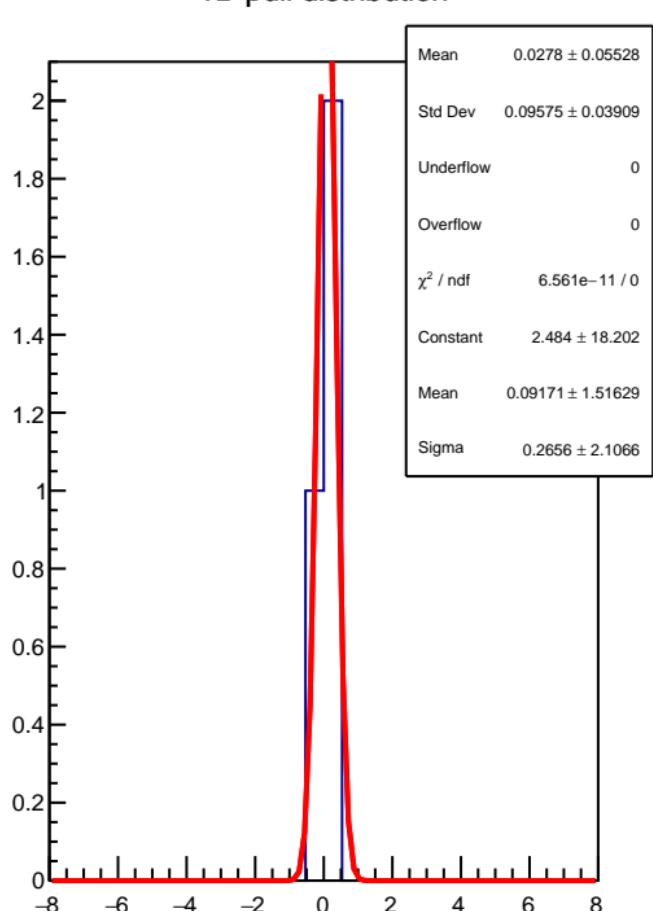
diff_bpm16Y RMS (um)



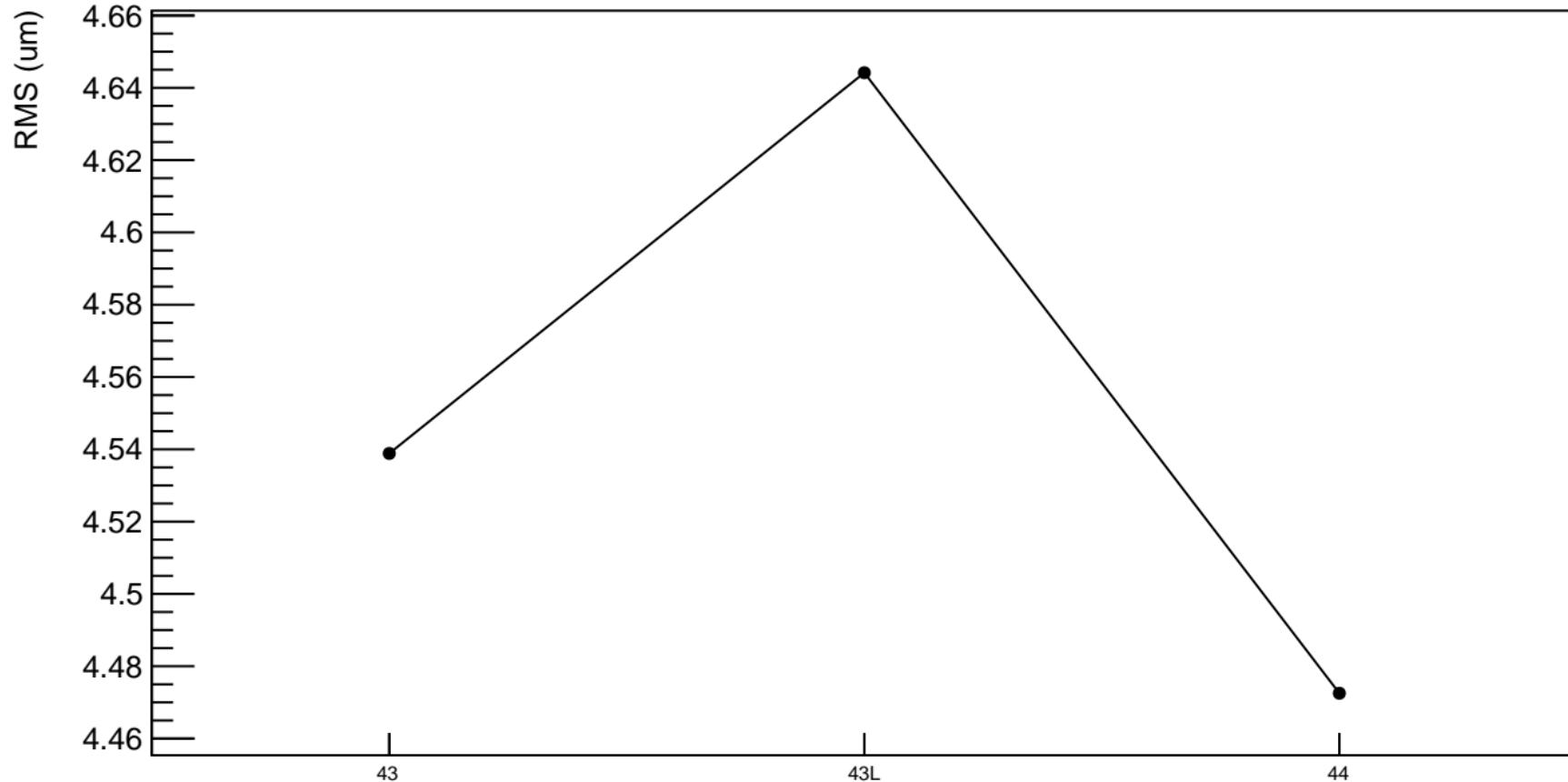
diff_bpm12X (nm)



1D pull distribution

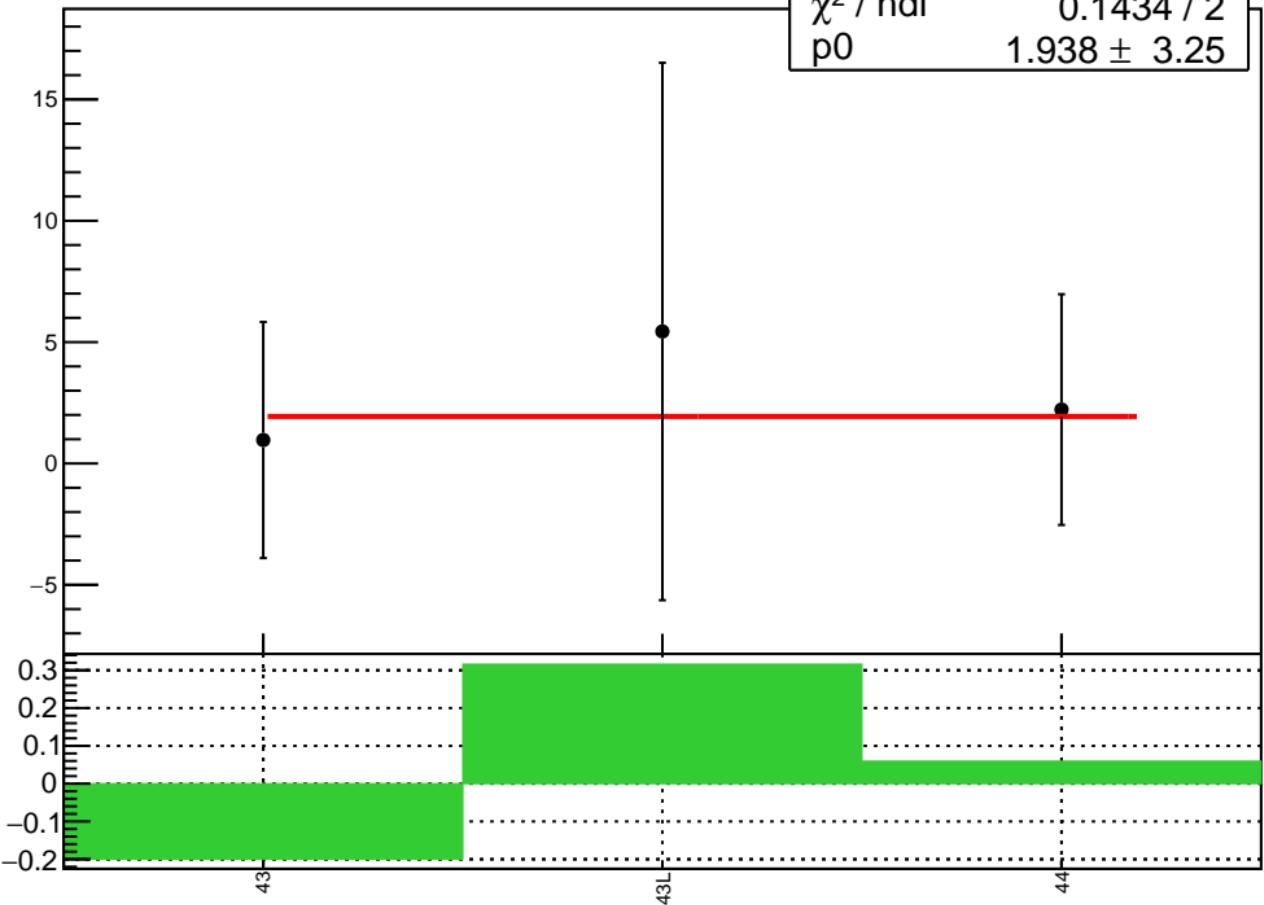


diff_bpm12X RMS (um)

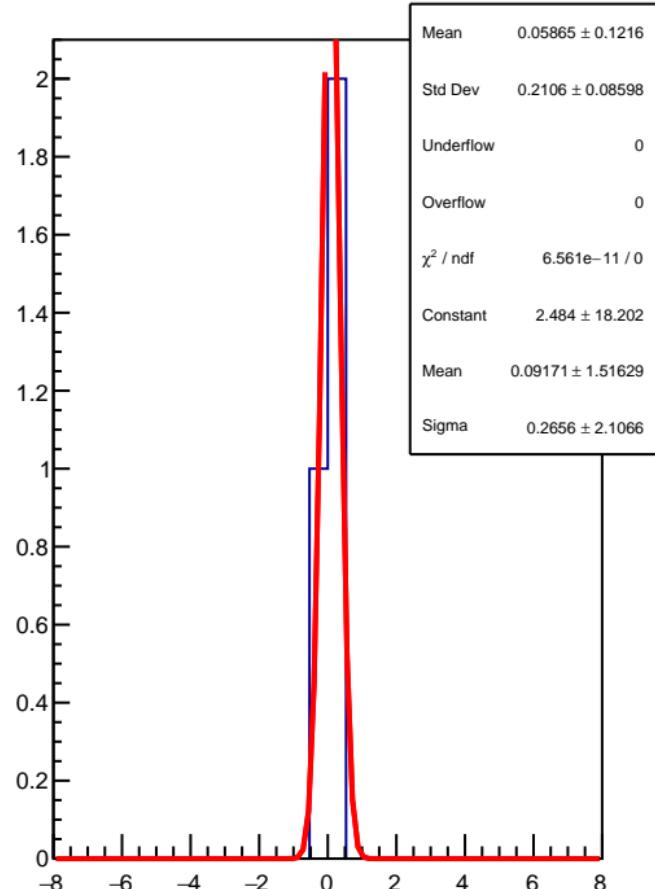


diff_bpm12Y (nm)

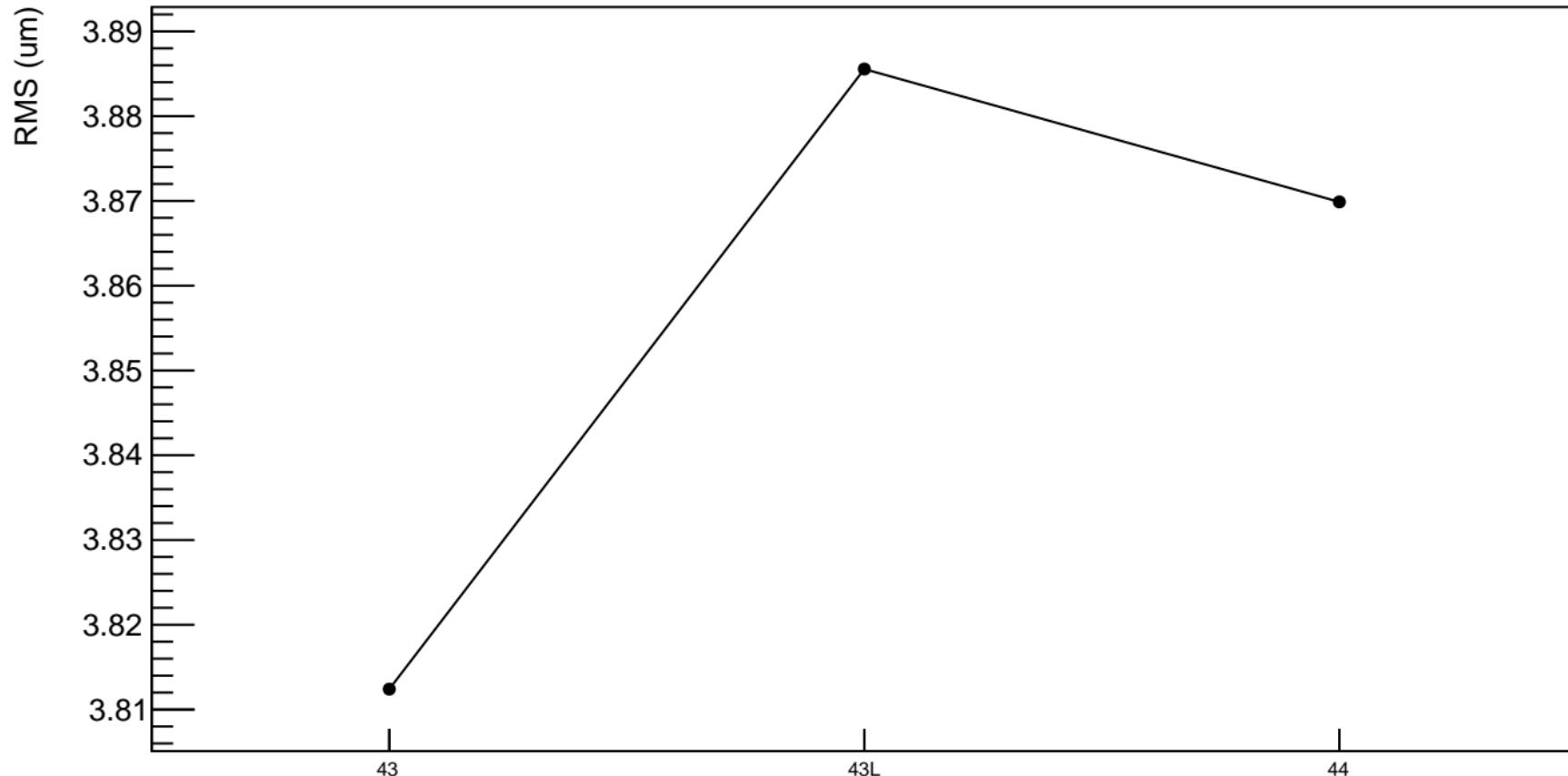
χ^2 / ndf 0.1434 / 2
 p_0 1.938 ± 3.25



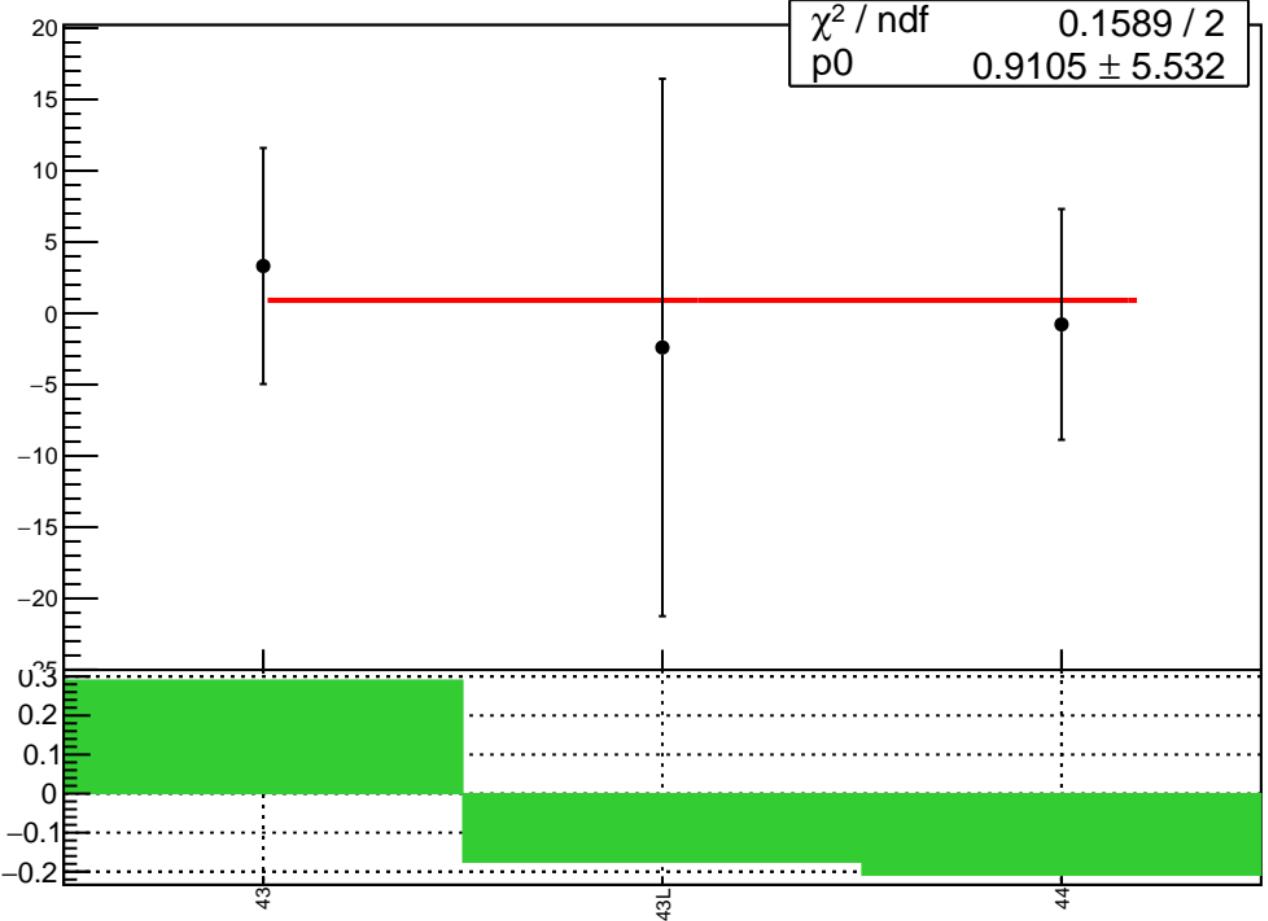
1D pull distribution



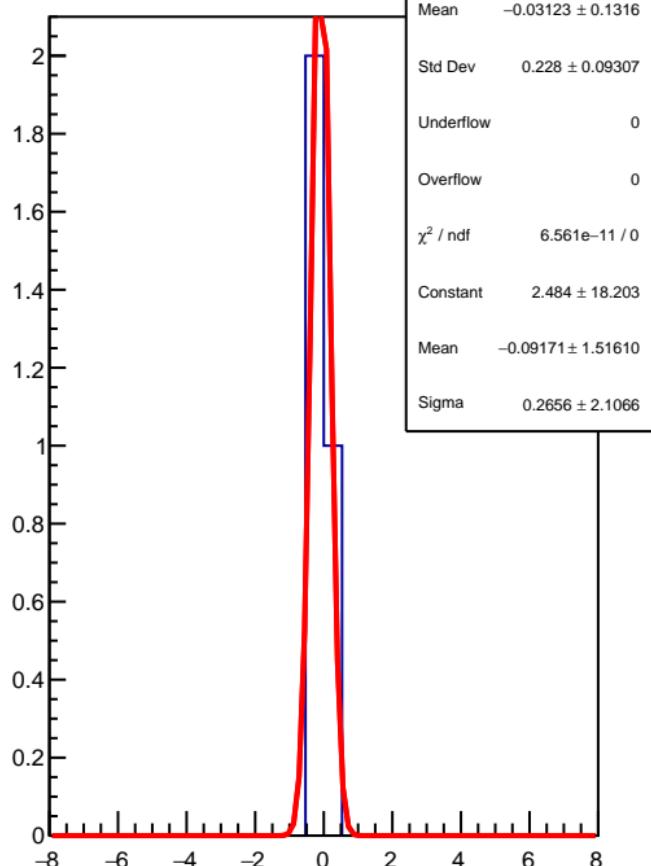
diff_bpm12Y RMS (um)



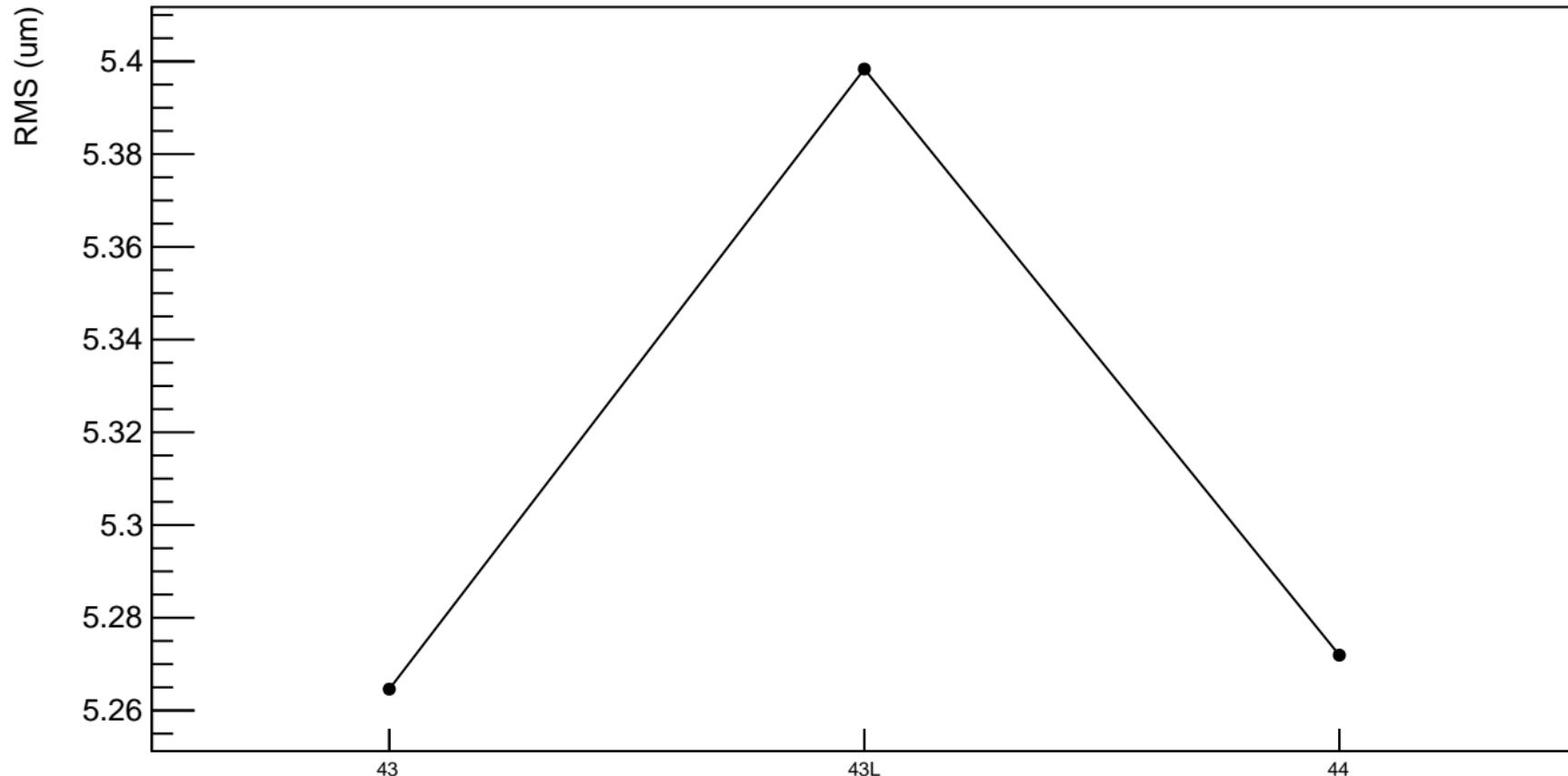
diff_bpm11X (nm)



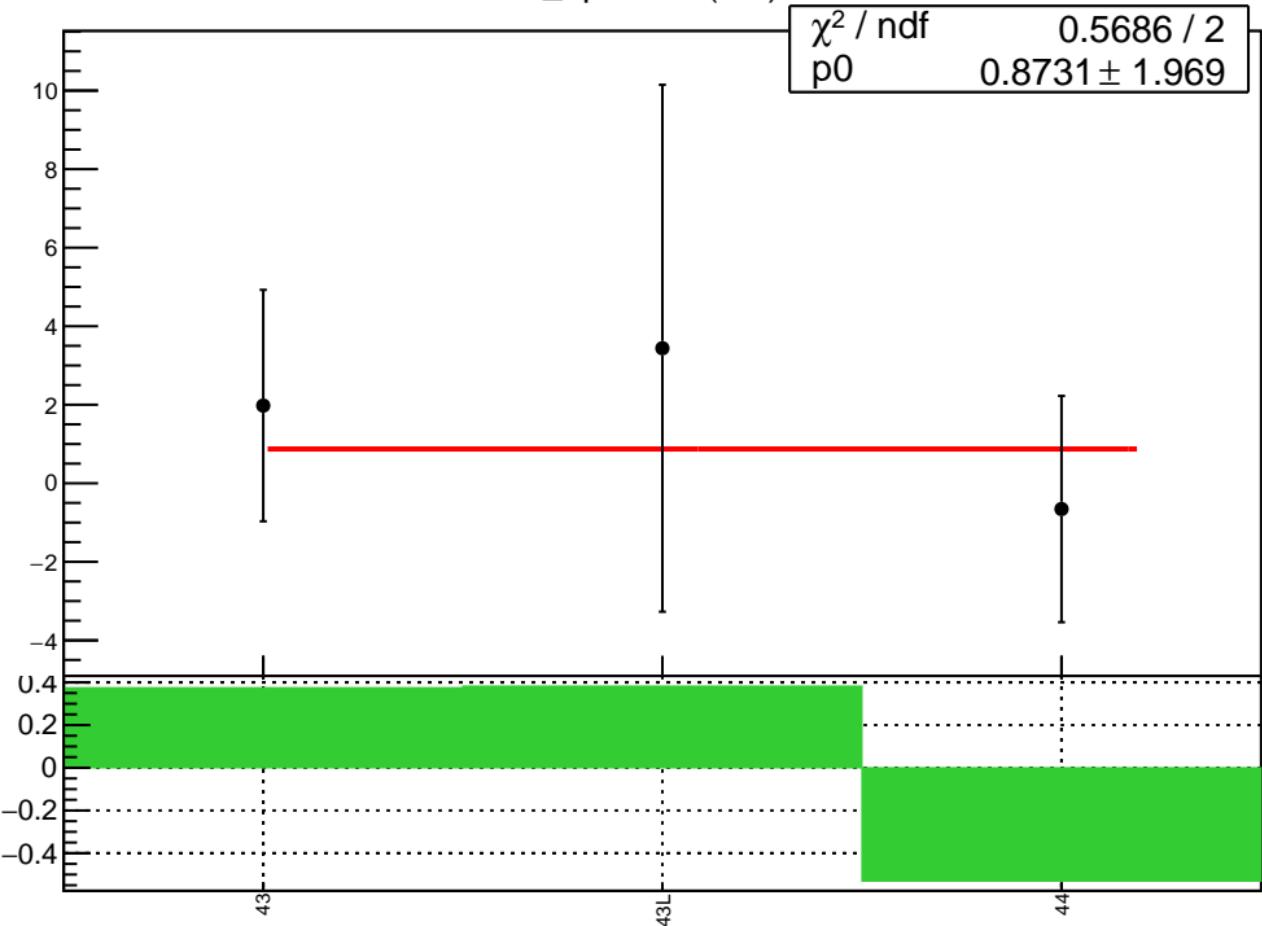
1D pull distribution



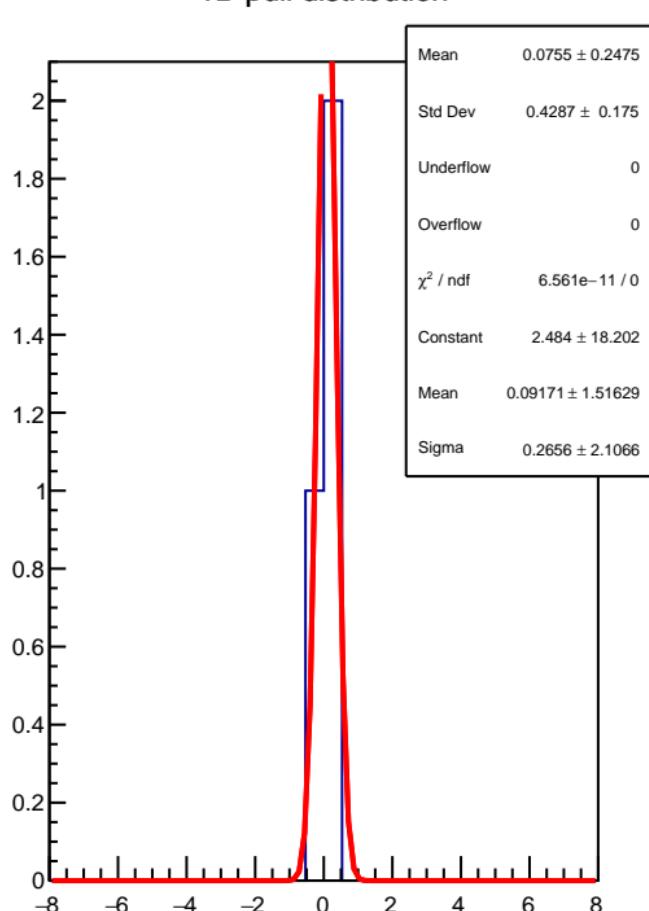
diff_bpm11X RMS (um)



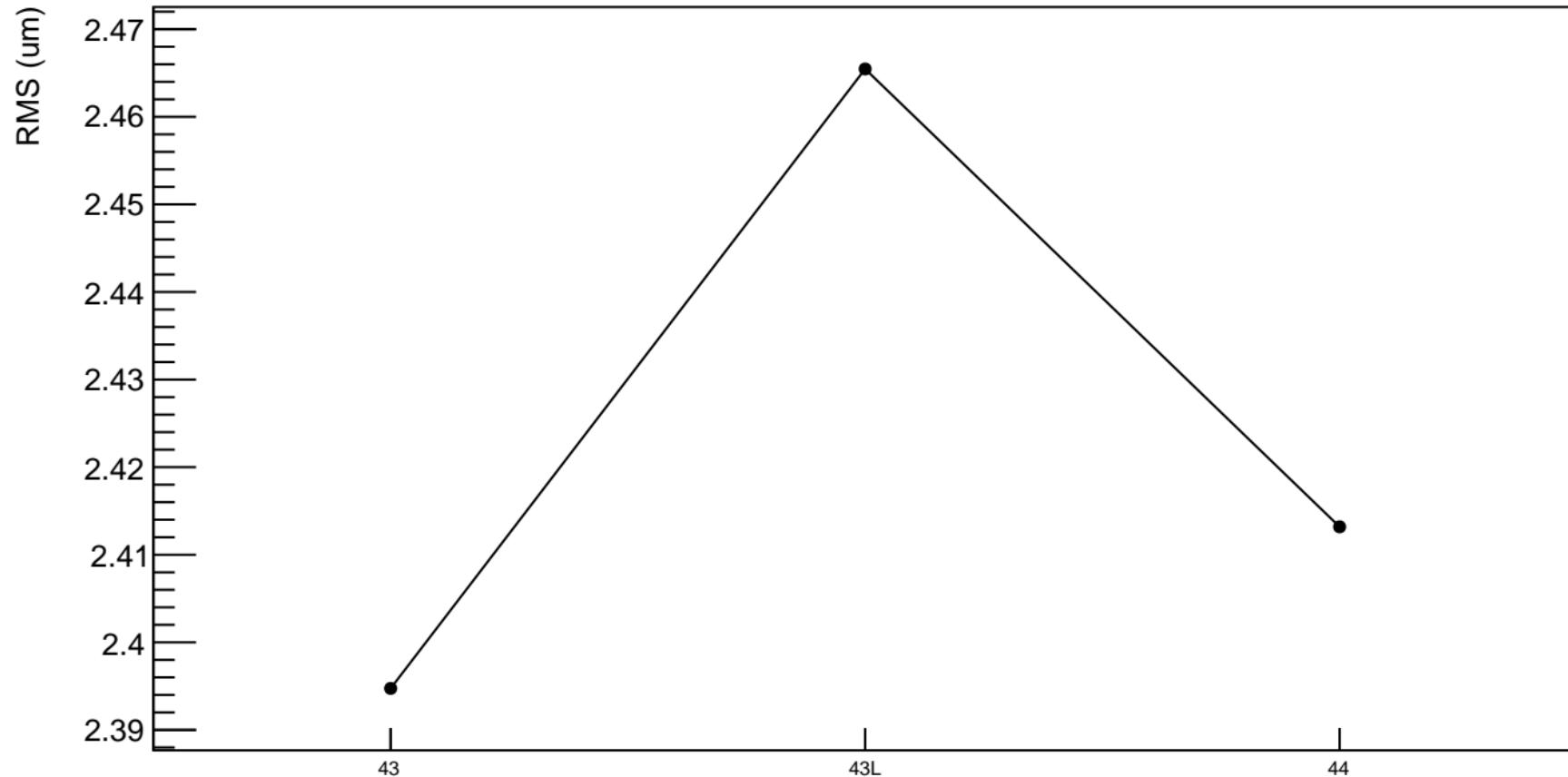
diff_bpm11Y (nm)



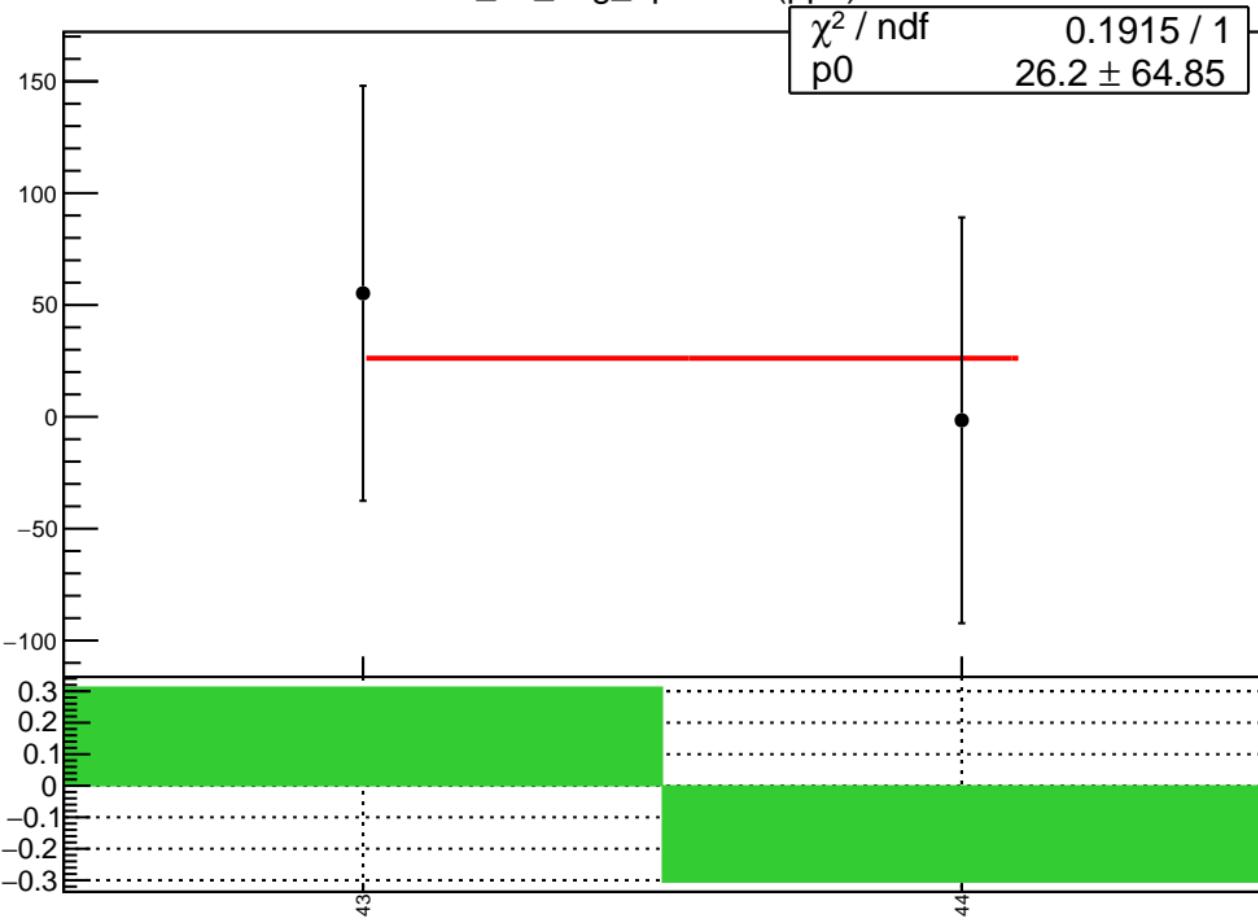
1D pull distribution



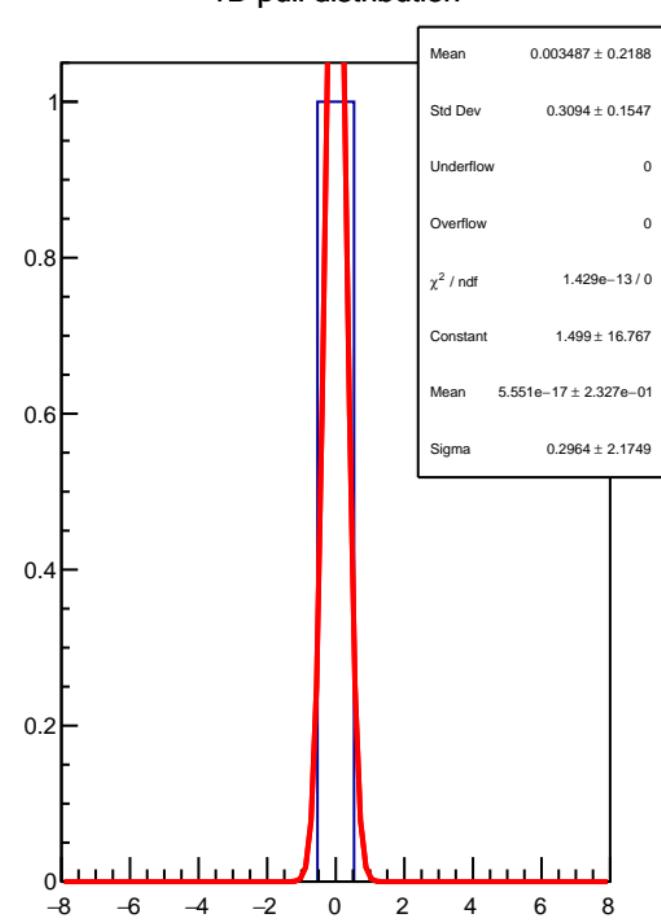
diff_bpm11Y RMS (um)



corr_us_avg_bpm4eX (ppb)

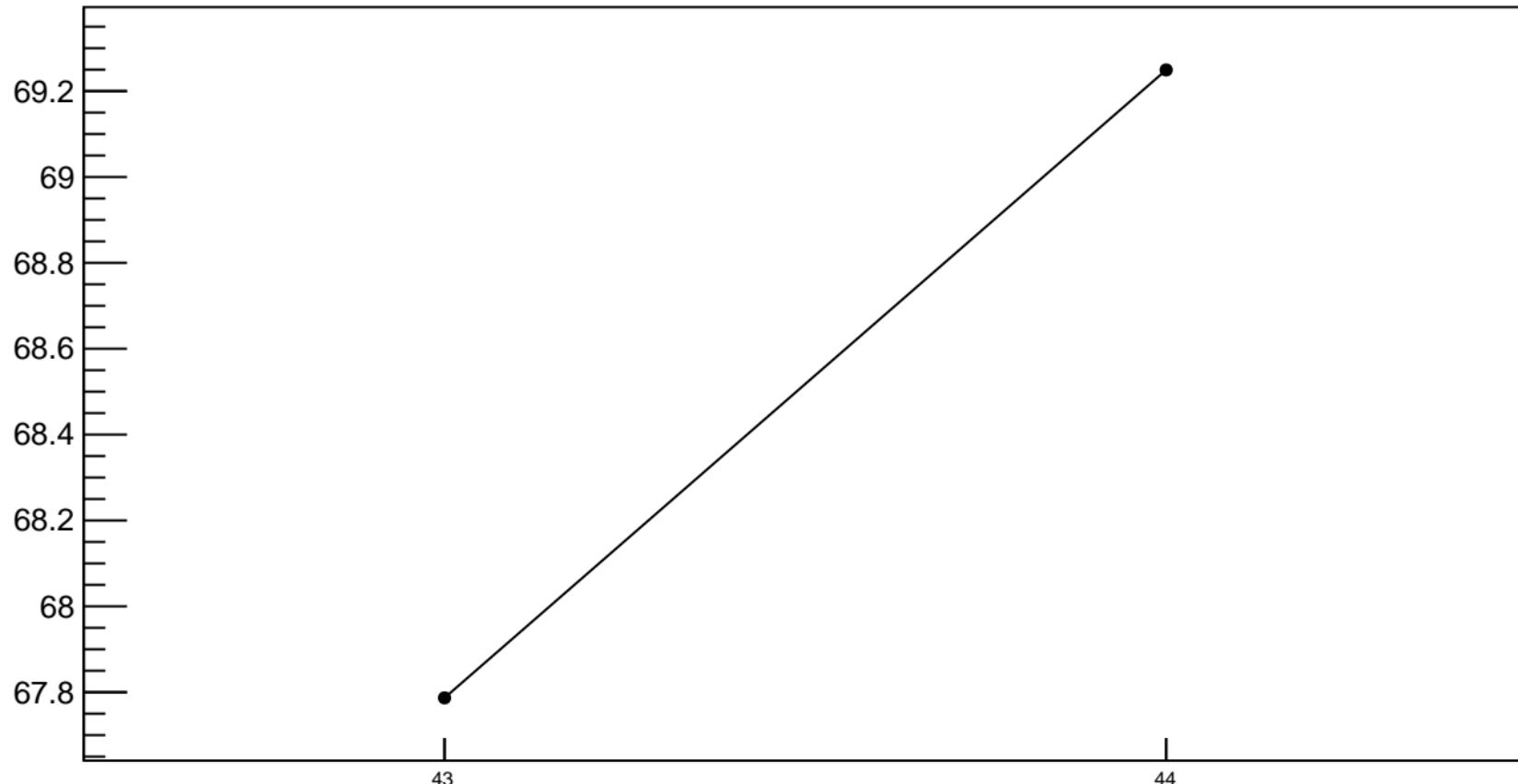


1D pull distribution



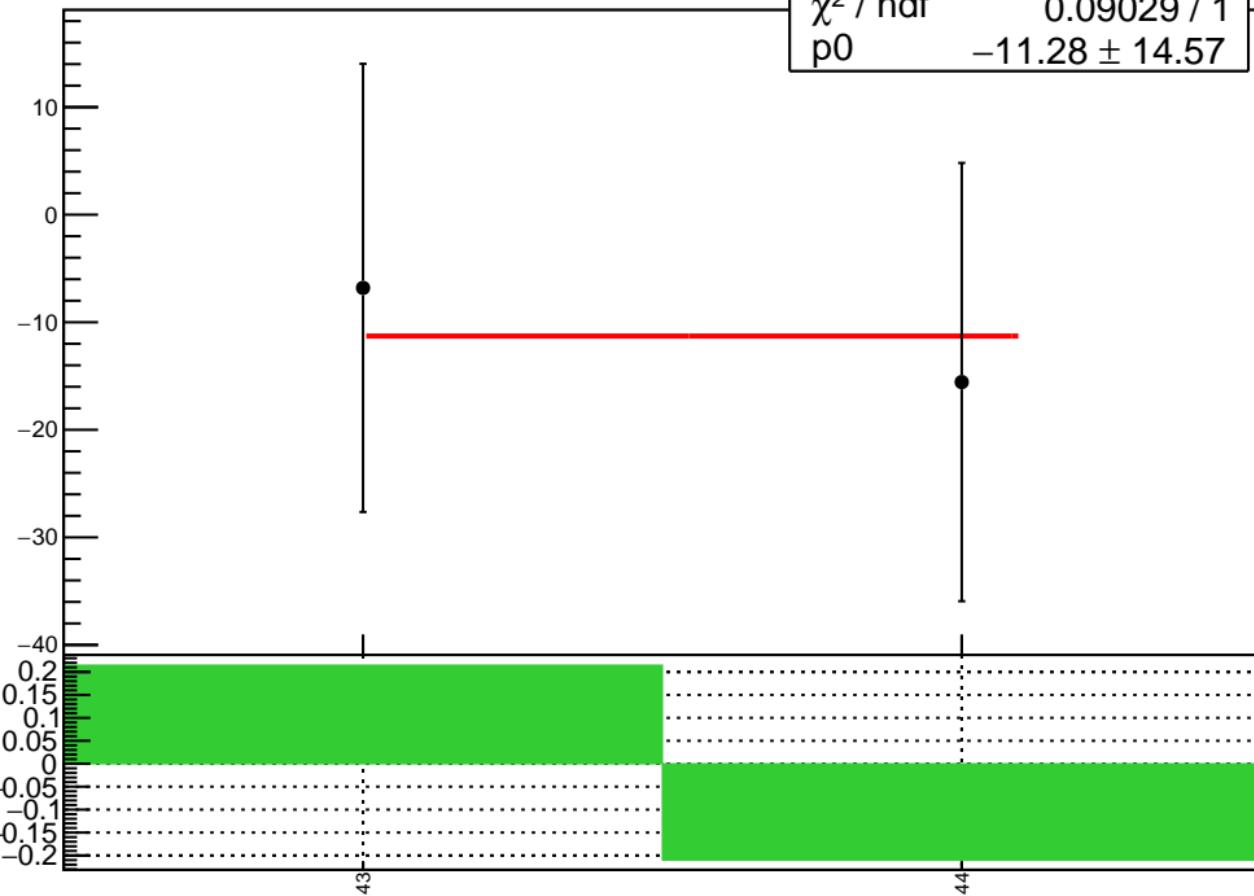
corr_us_avg_bpm4eX RMS (ppm)

RMS (ppm)

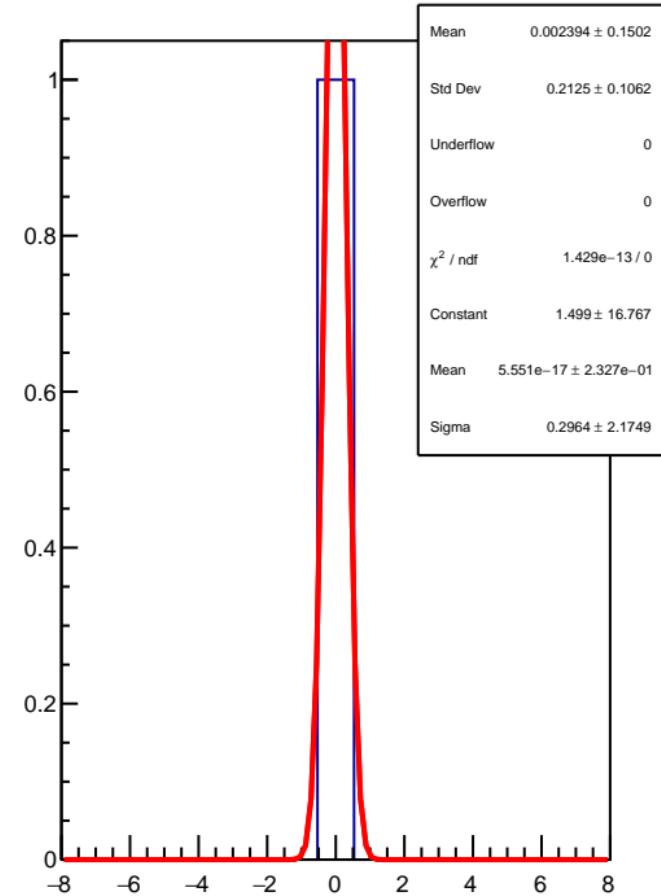


corr_us_avg_bpm4eY (ppb)

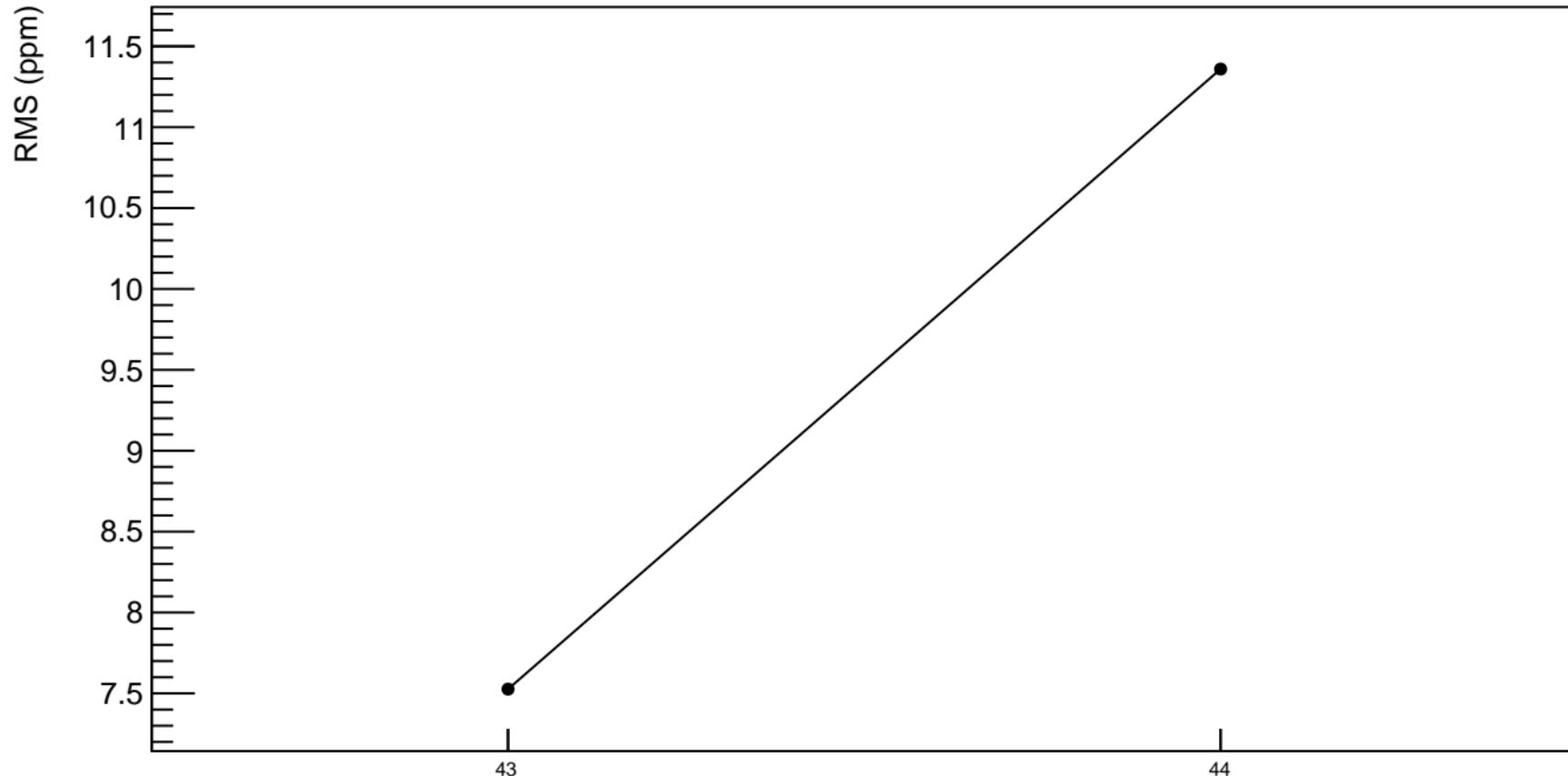
χ^2 / ndf 0.09029 / 1
p0 -11.28 ± 14.57



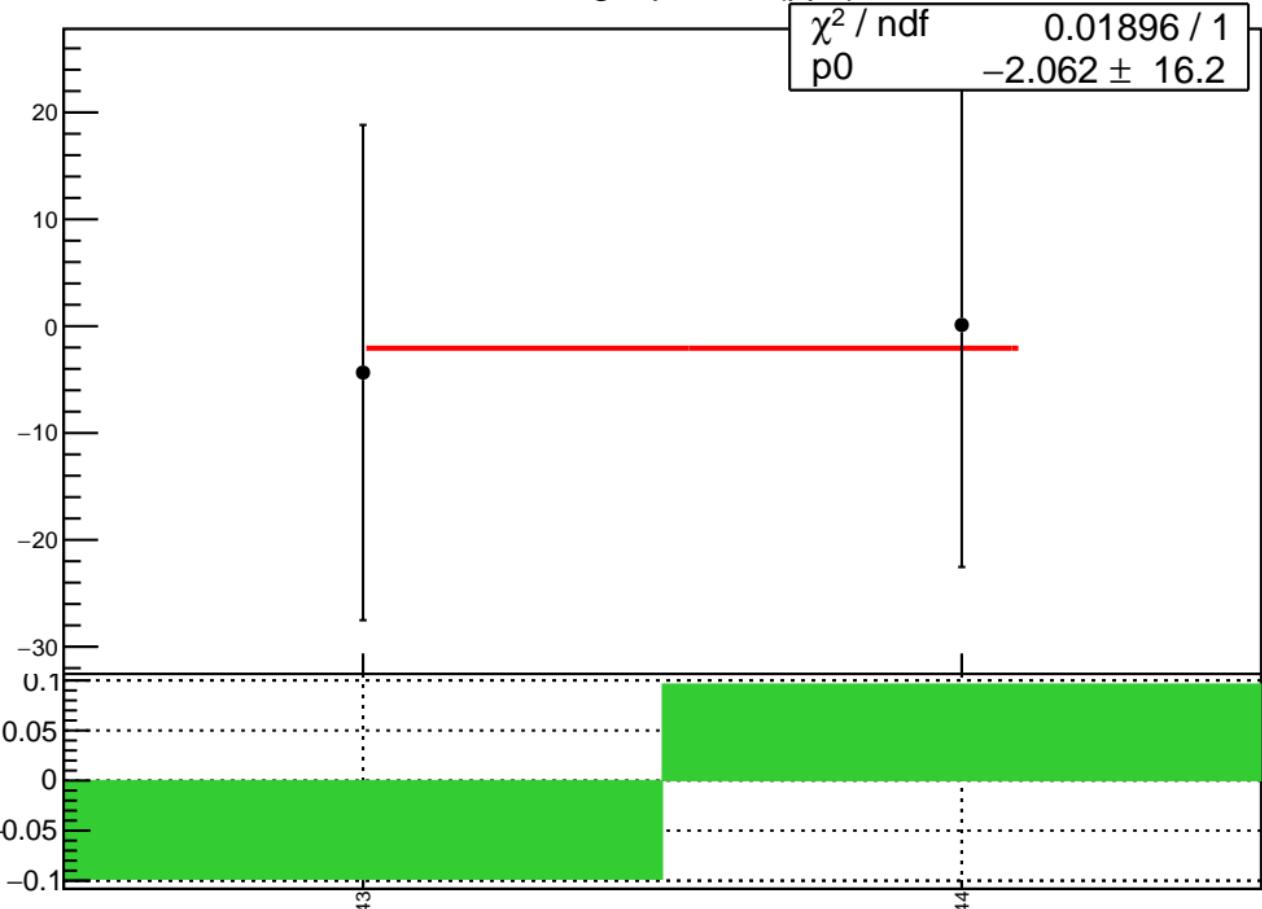
1D pull distribution



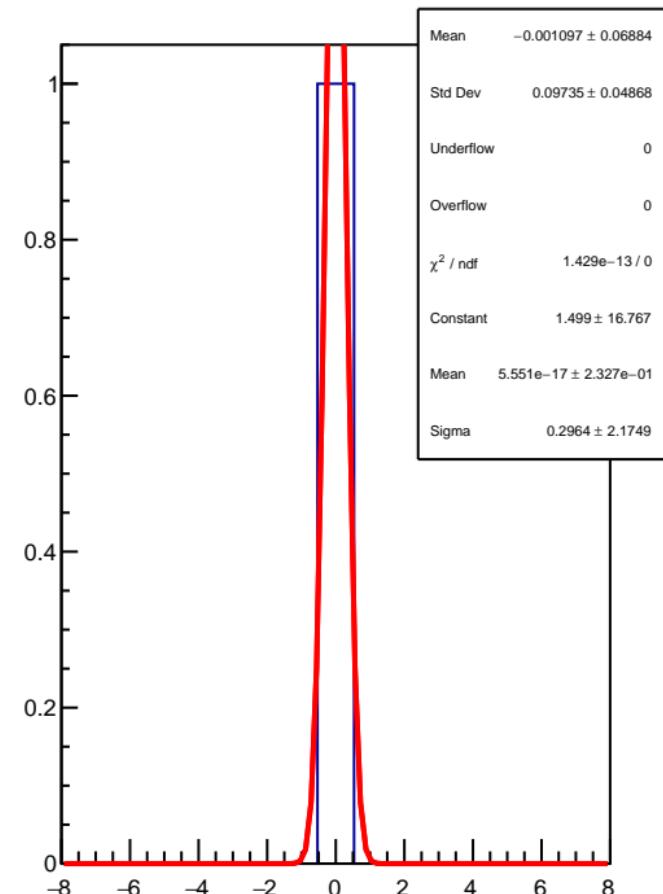
corr_us_avg_bpm4eY RMS (ppm)



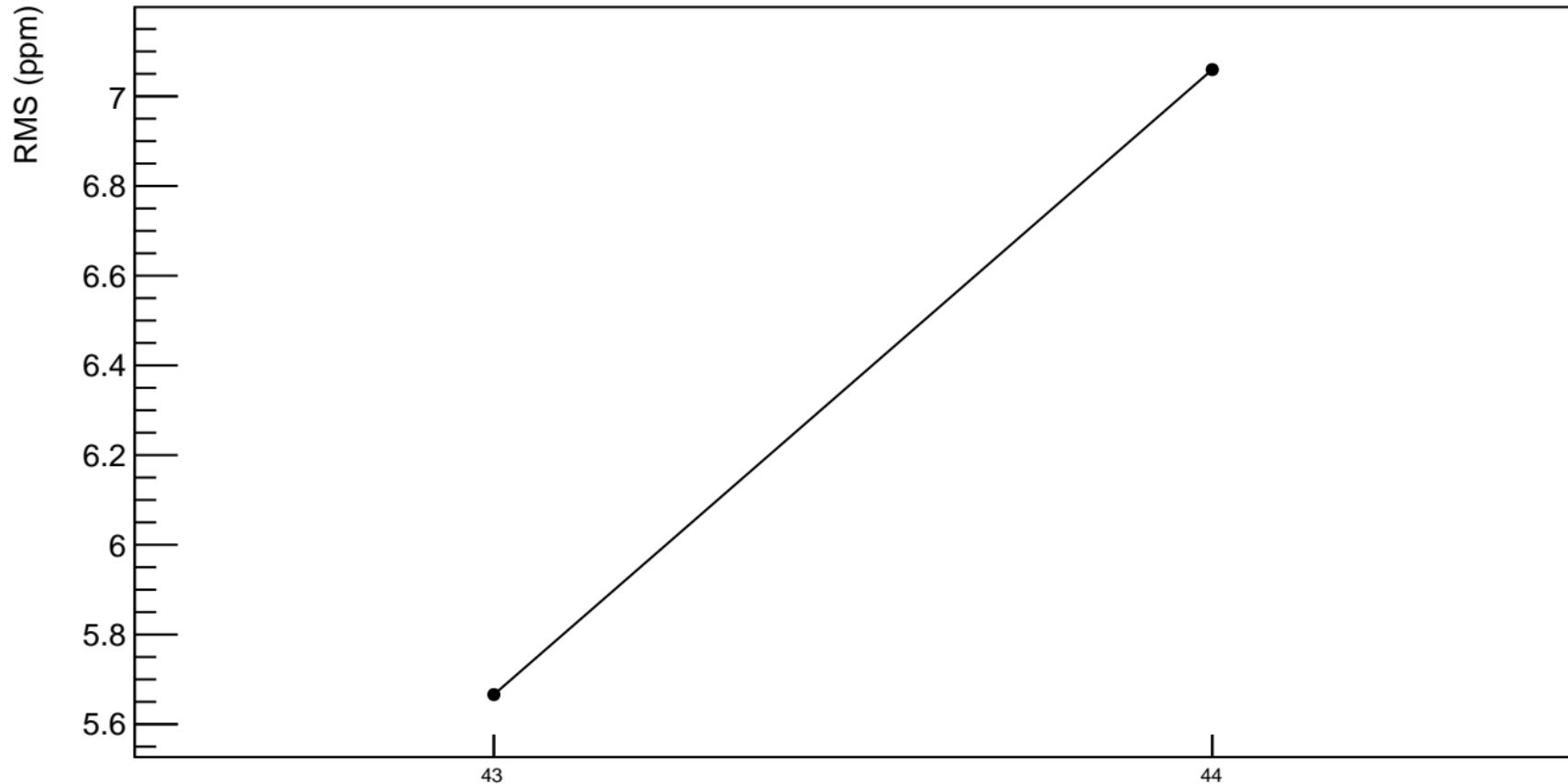
corr_us_avg_bpm4aX (ppb)



1D pull distribution

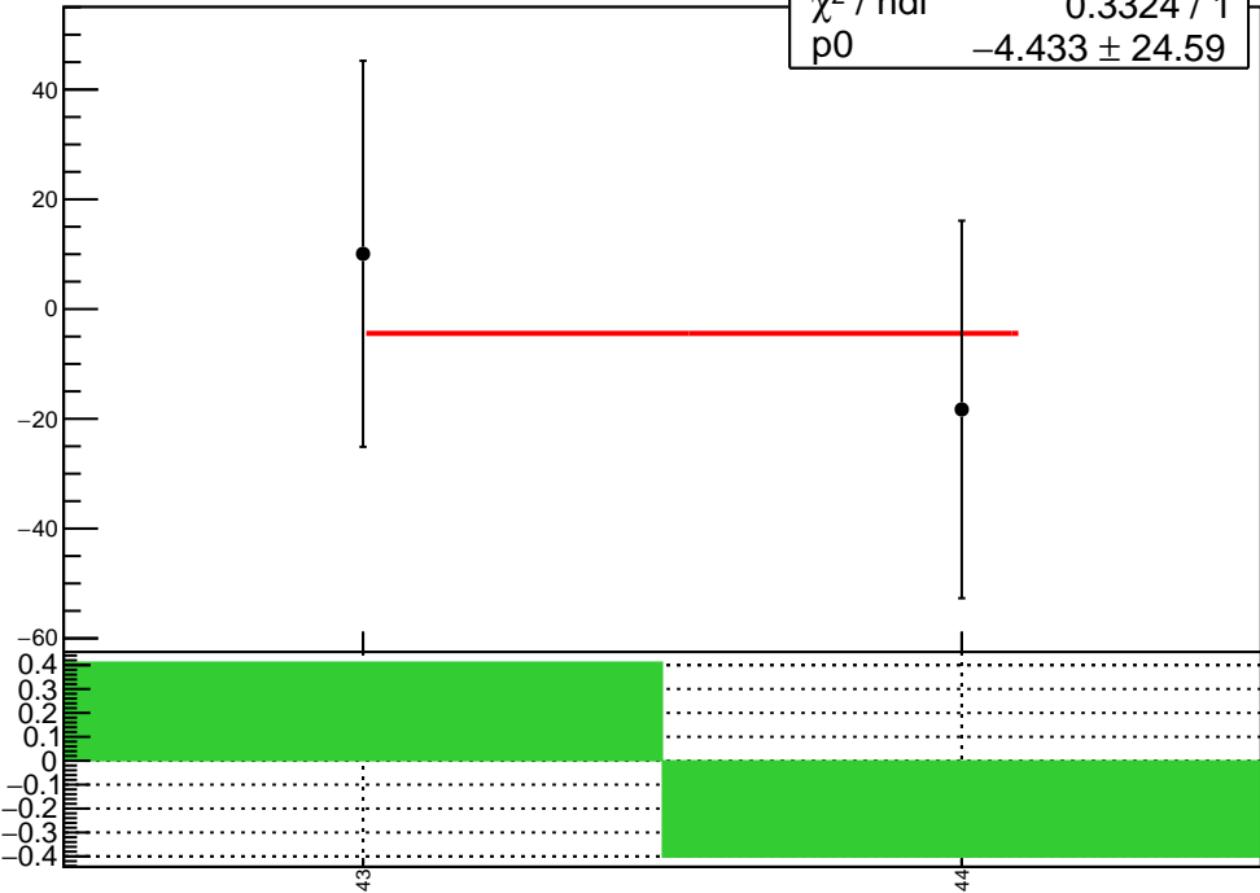


corr_us_avg_bpm4aX RMS (ppm)

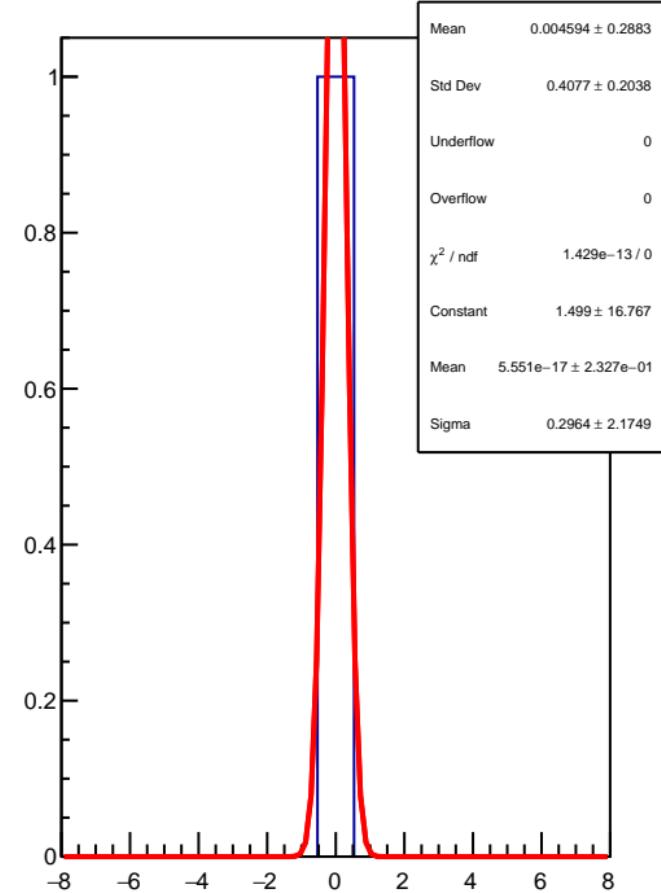


corr_us_avg_bpm4aY (ppb)

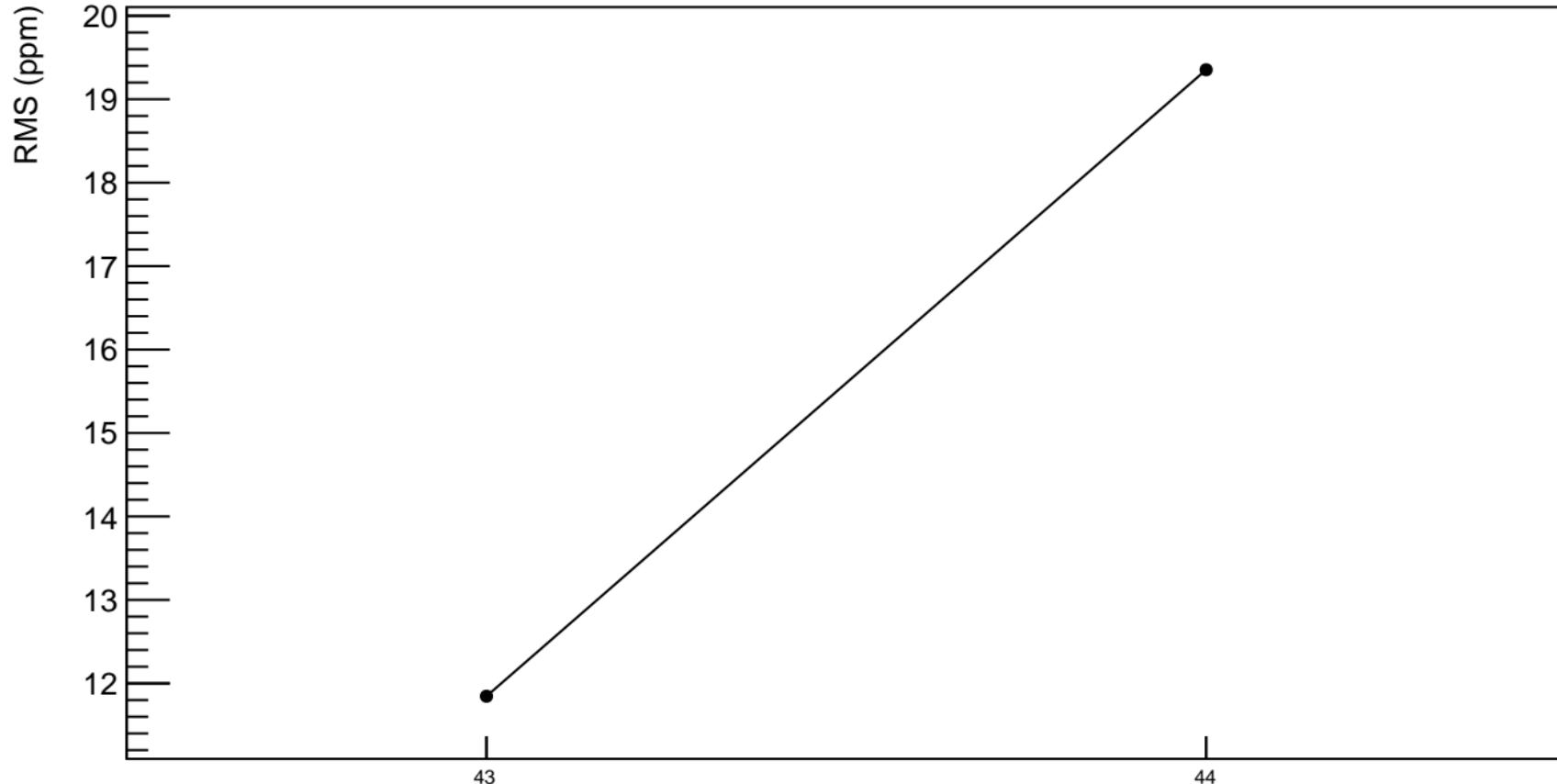
χ^2 / ndf 0.3324 / 1
p0 -4.433 ± 24.59



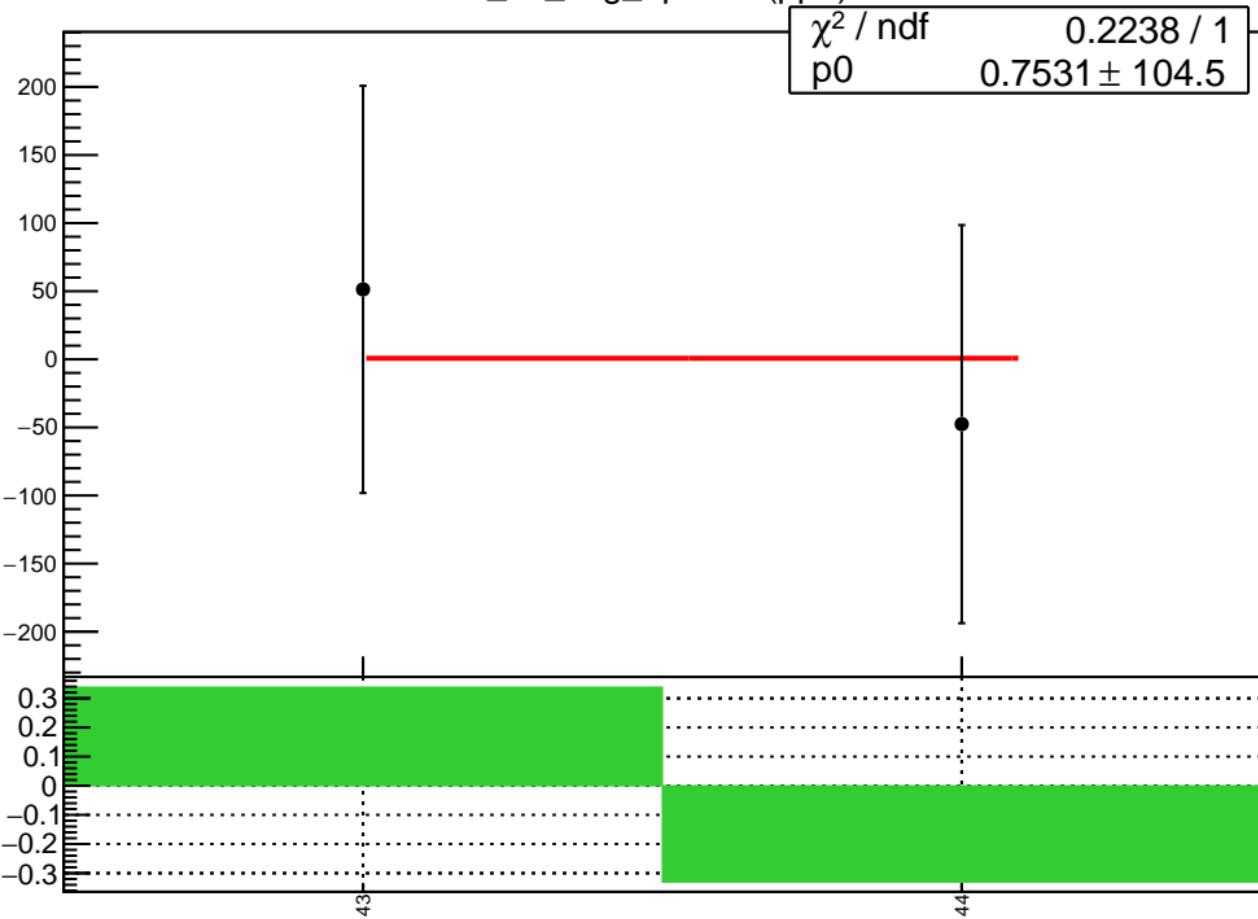
1D pull distribution



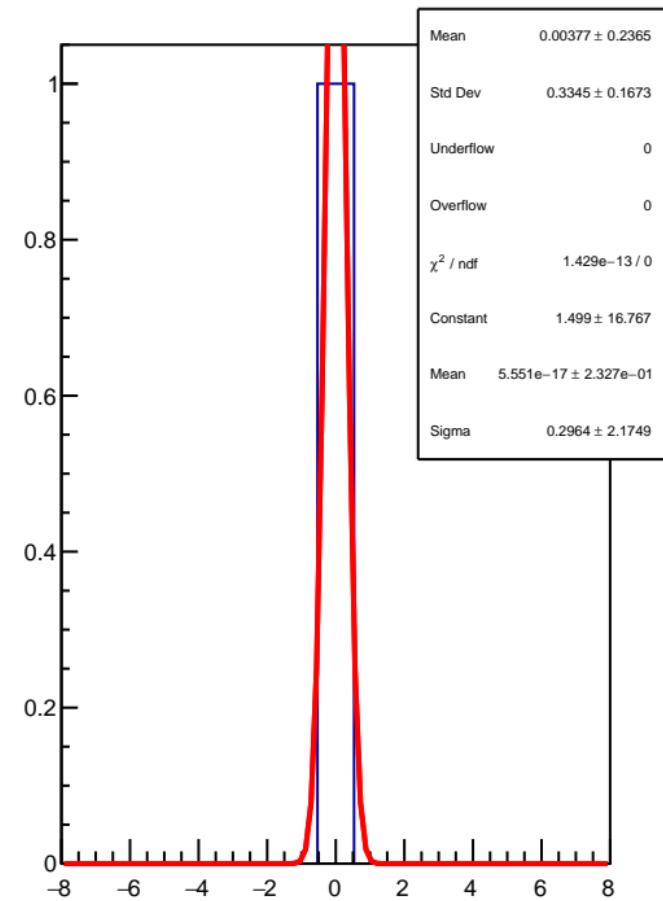
corr_us_avg_bpm4aY RMS (ppm)



corr_us_avg_bpm1X (ppb)

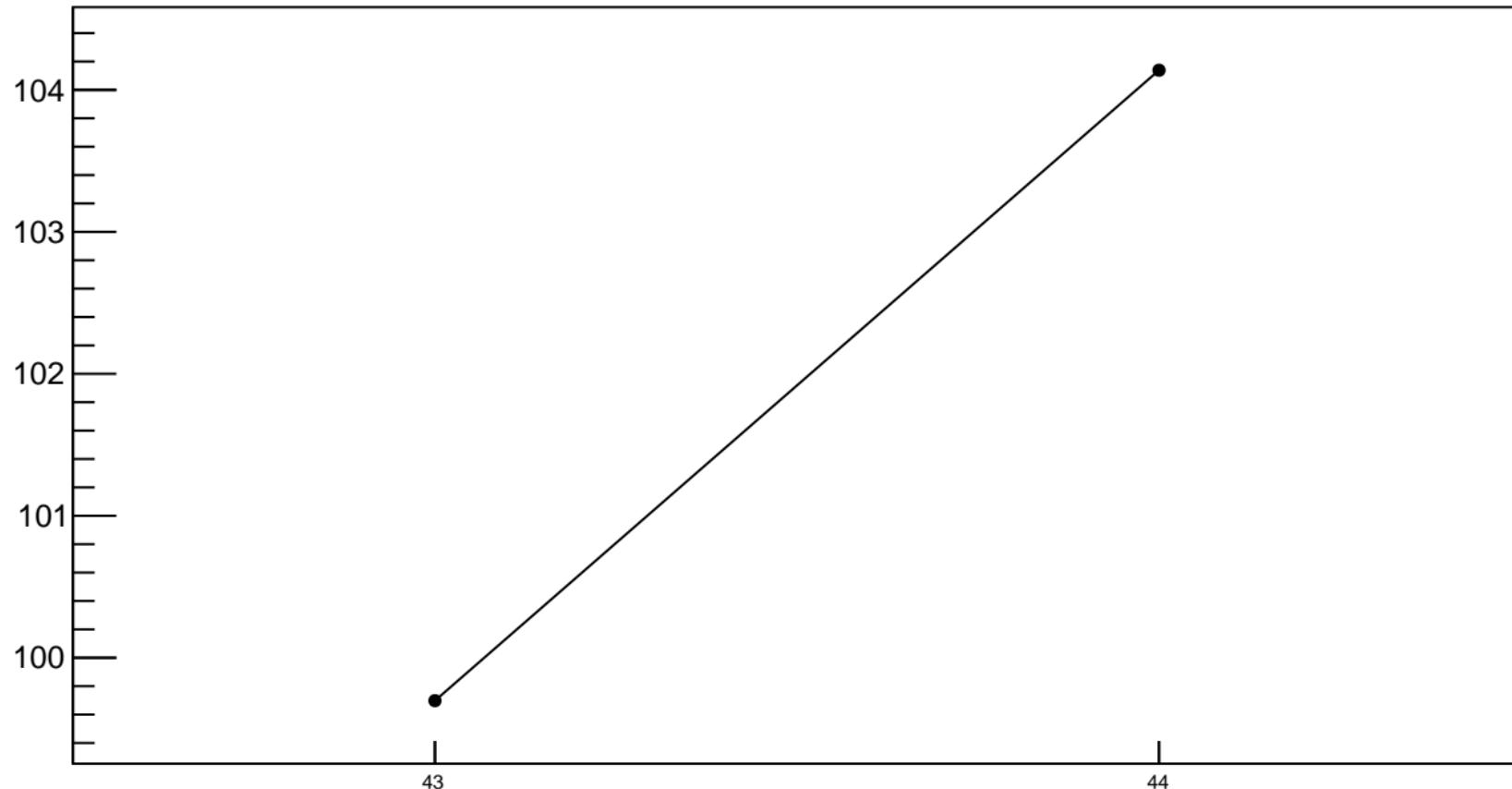


1D pull distribution

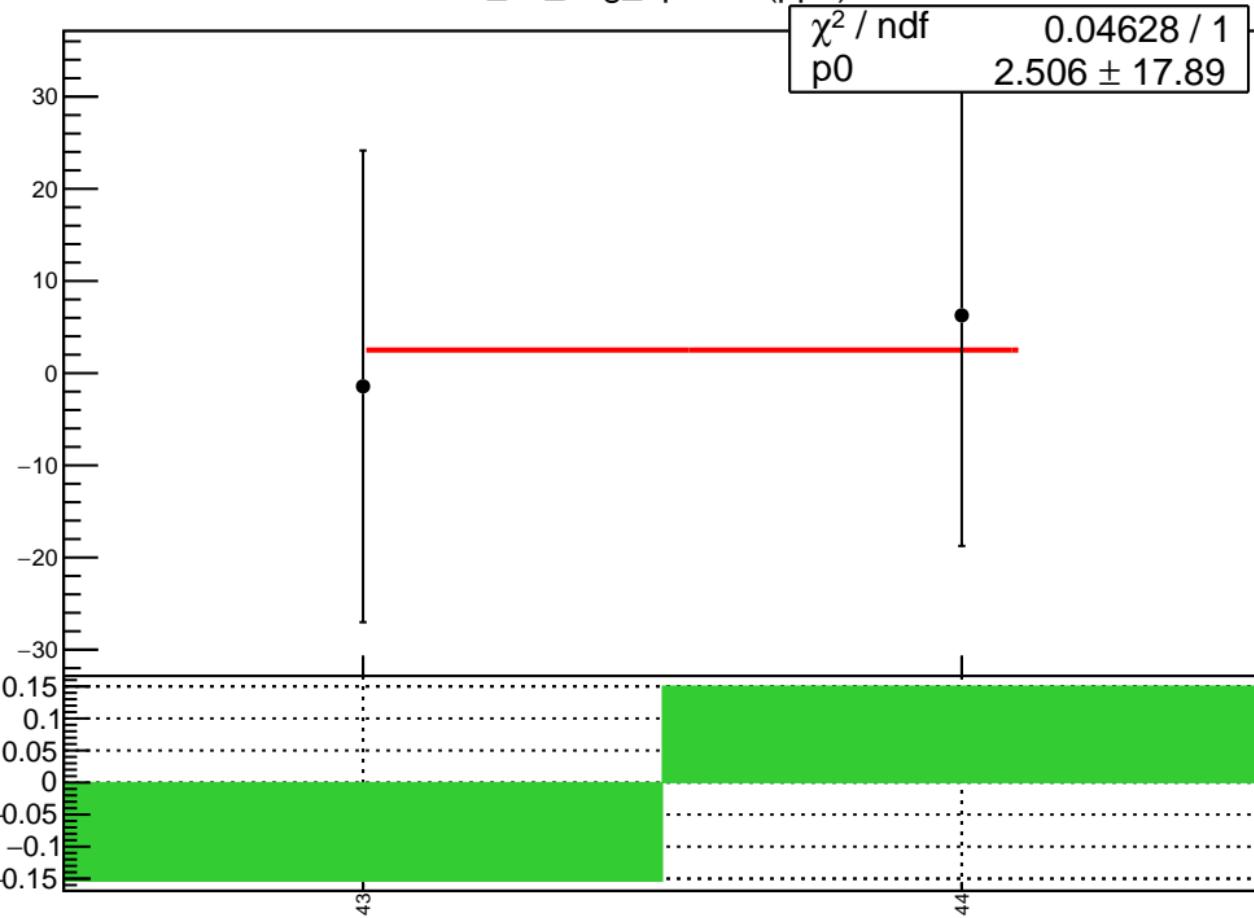


corr_us_avg_bpm1X RMS (ppm)

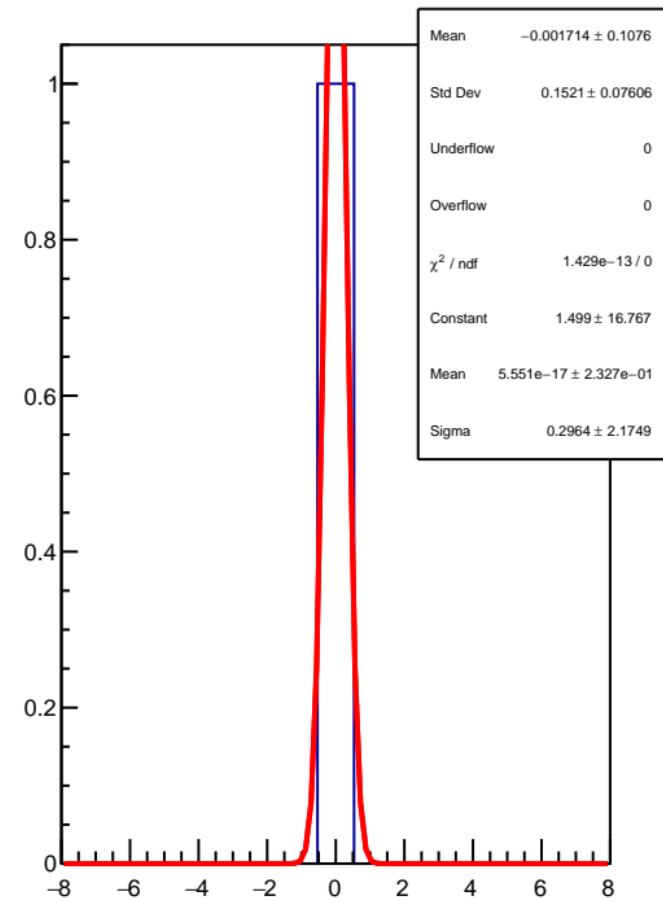
RMS (ppm)



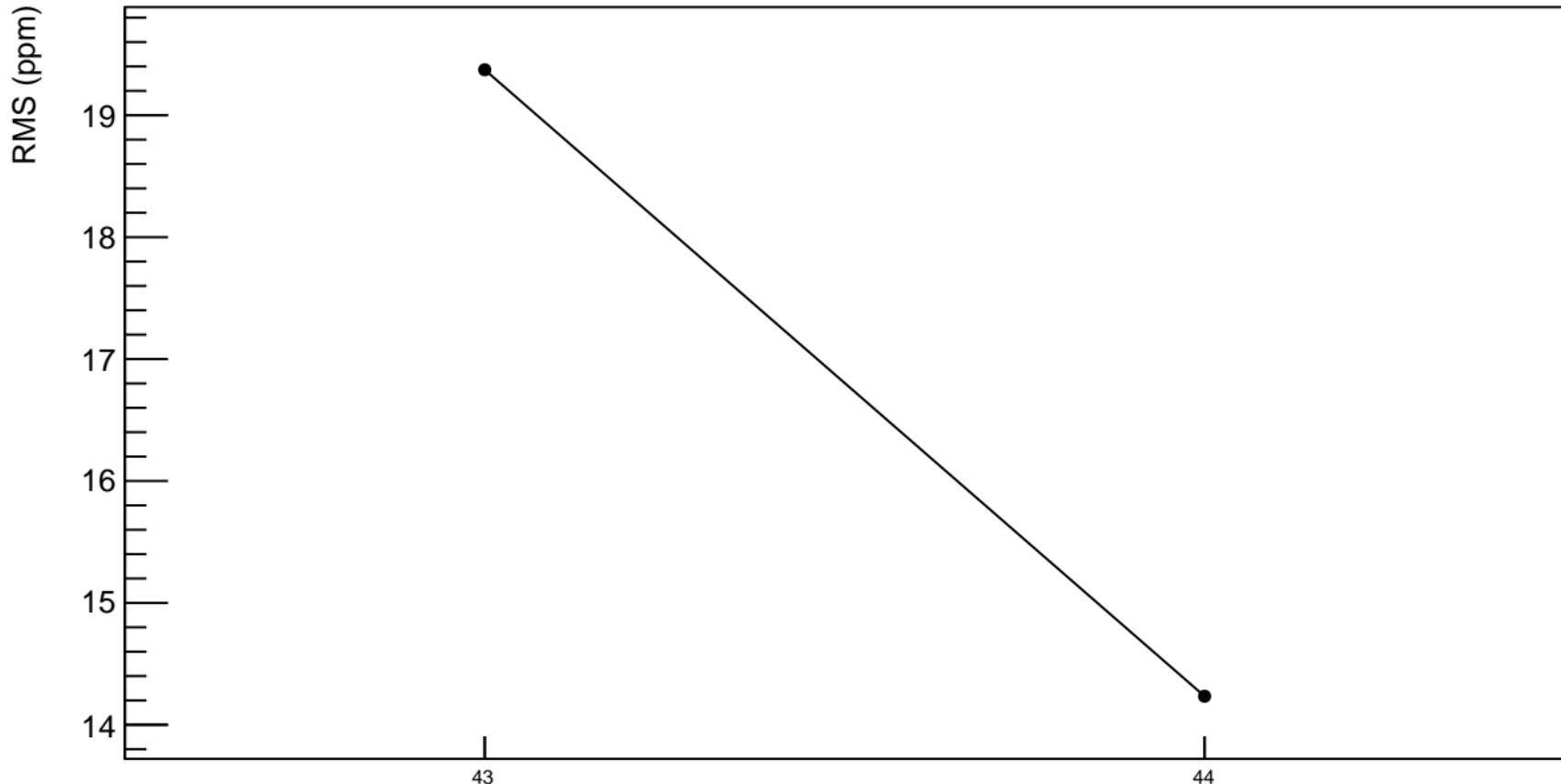
corr_us_avg_bpm1Y (ppb)



1D pull distribution

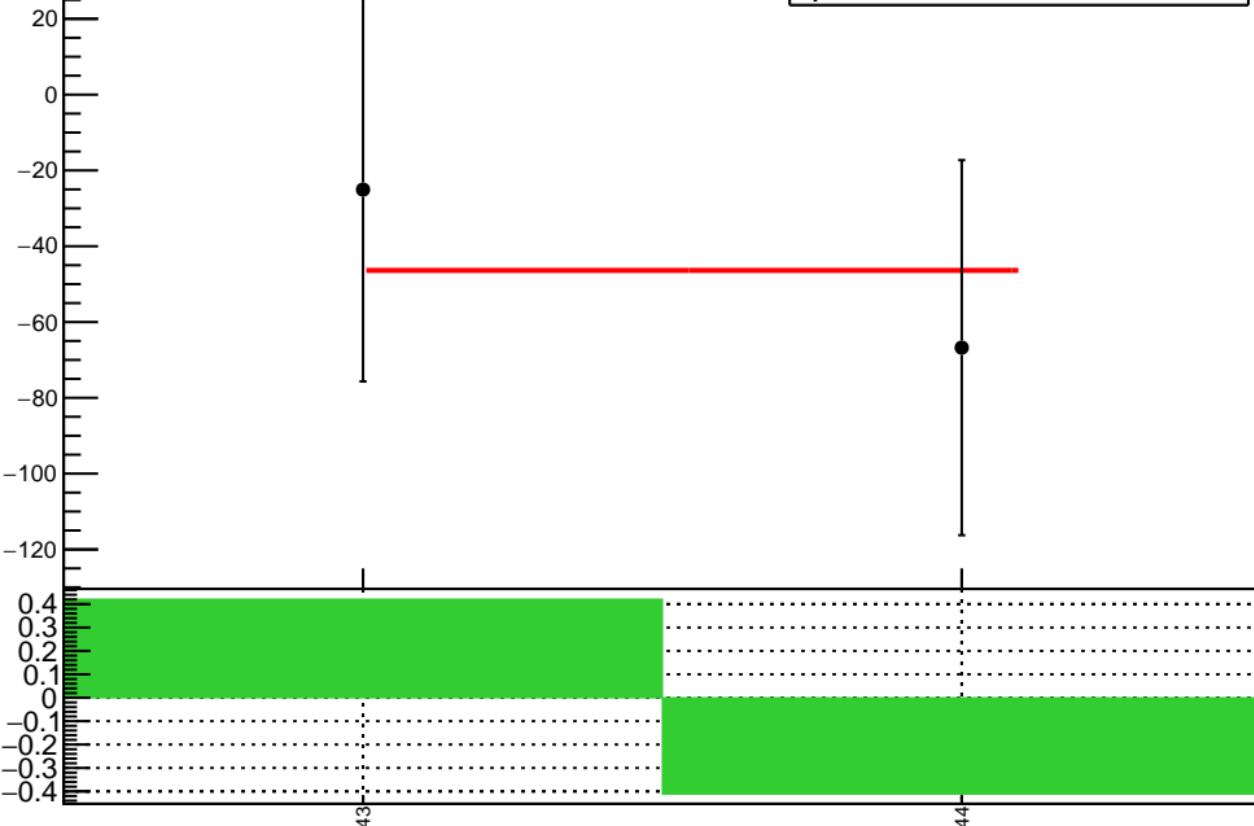


corr_us_avg_bpm1Y RMS (ppm)

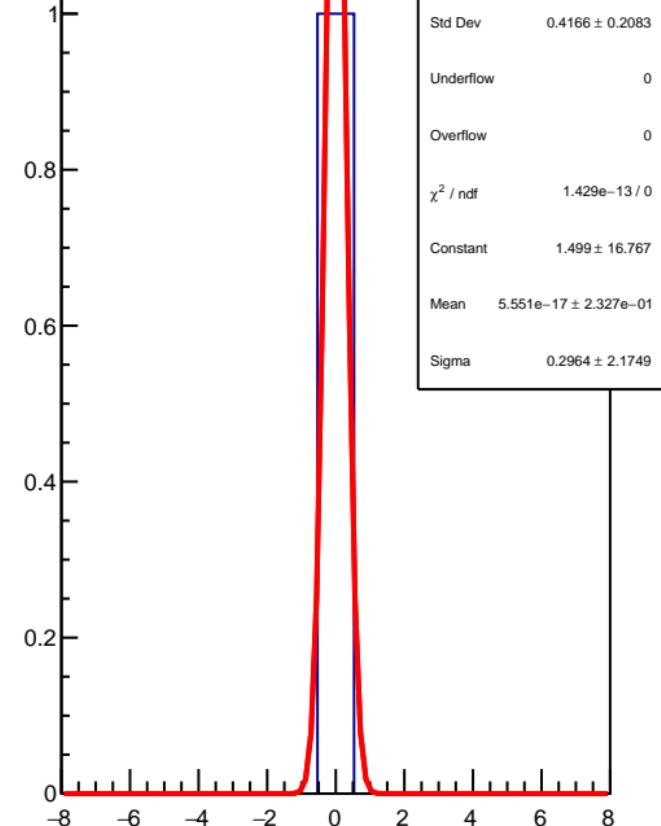


corr_us_avg_bpm16X (ppb)

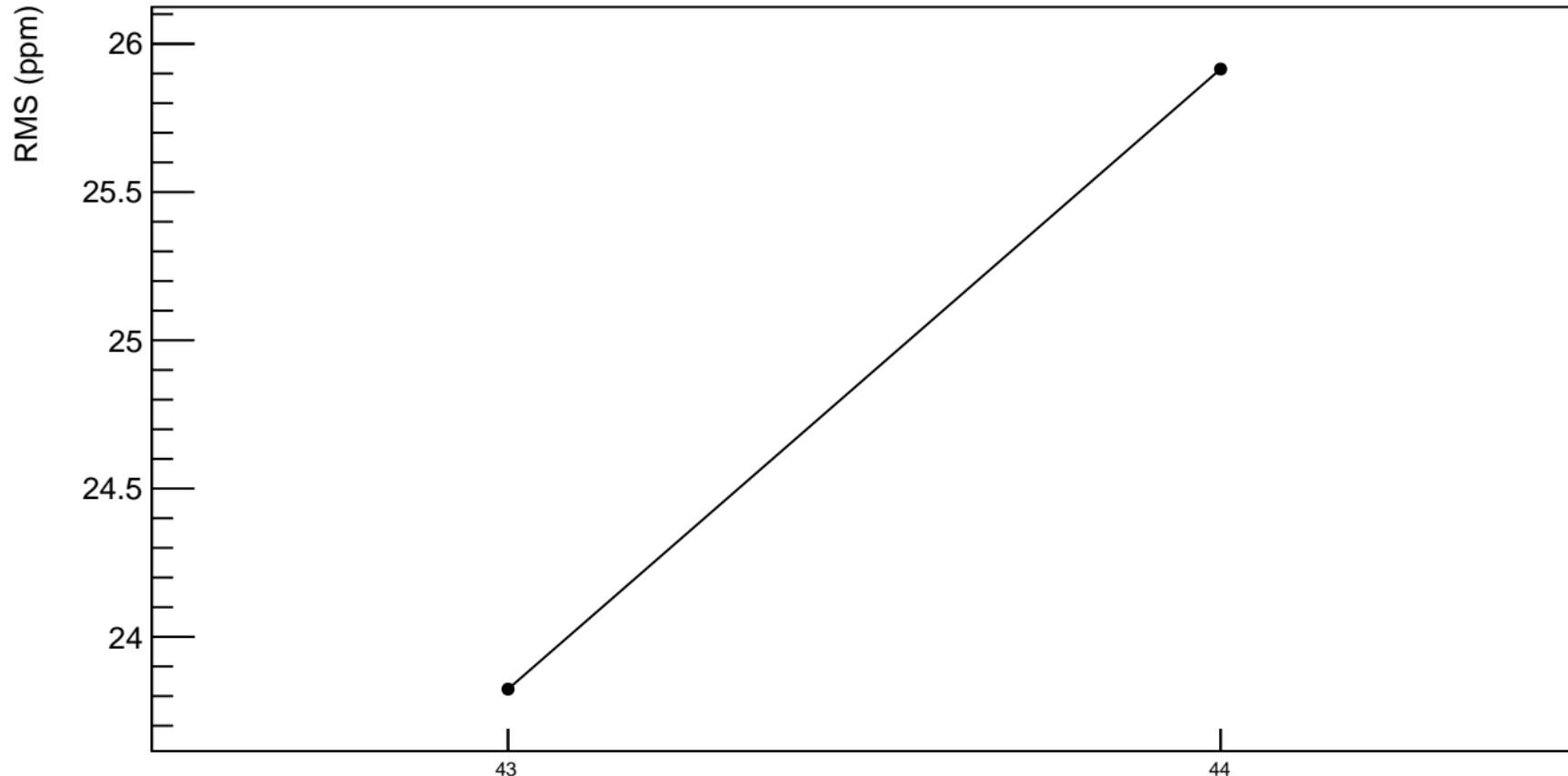
χ^2 / ndf 0.3471 / 1
p0 -46.38 ± 35.38



1D pull distribution

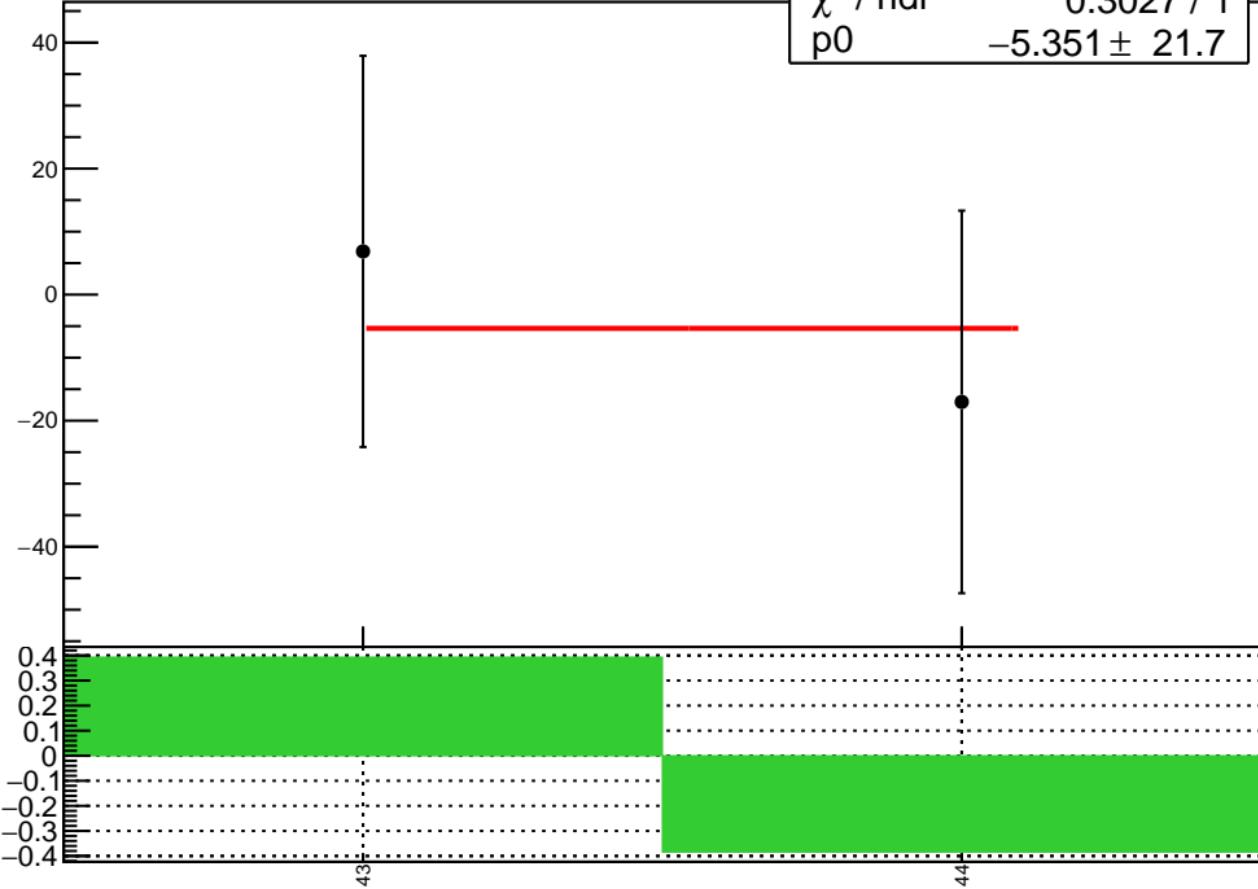


corr_us_avg_bpm16X RMS (ppm)

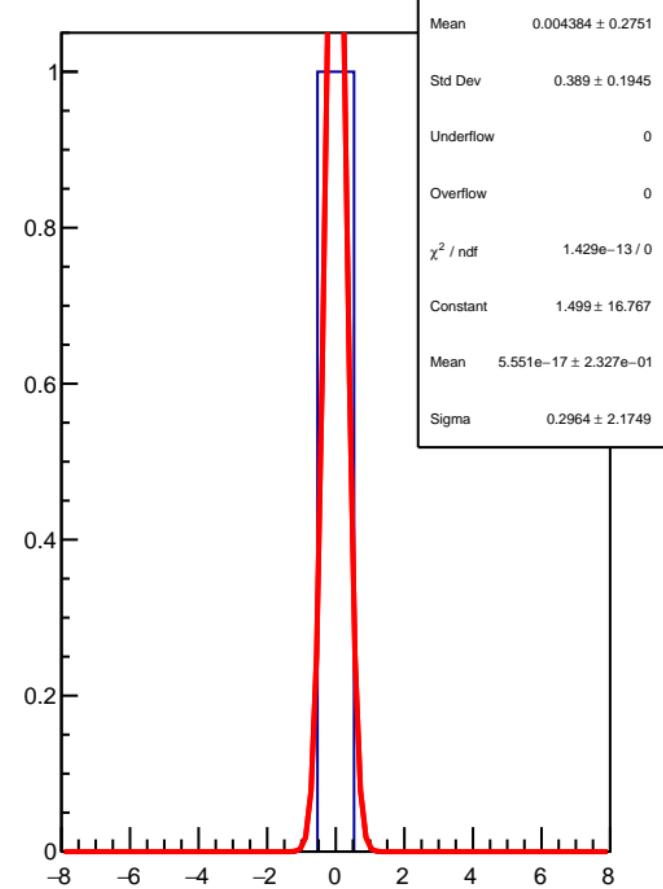


corr_us_avg_bpm16Y (ppb)

χ^2 / ndf 0.3027 / 1
p0 -5.351 ± 21.7

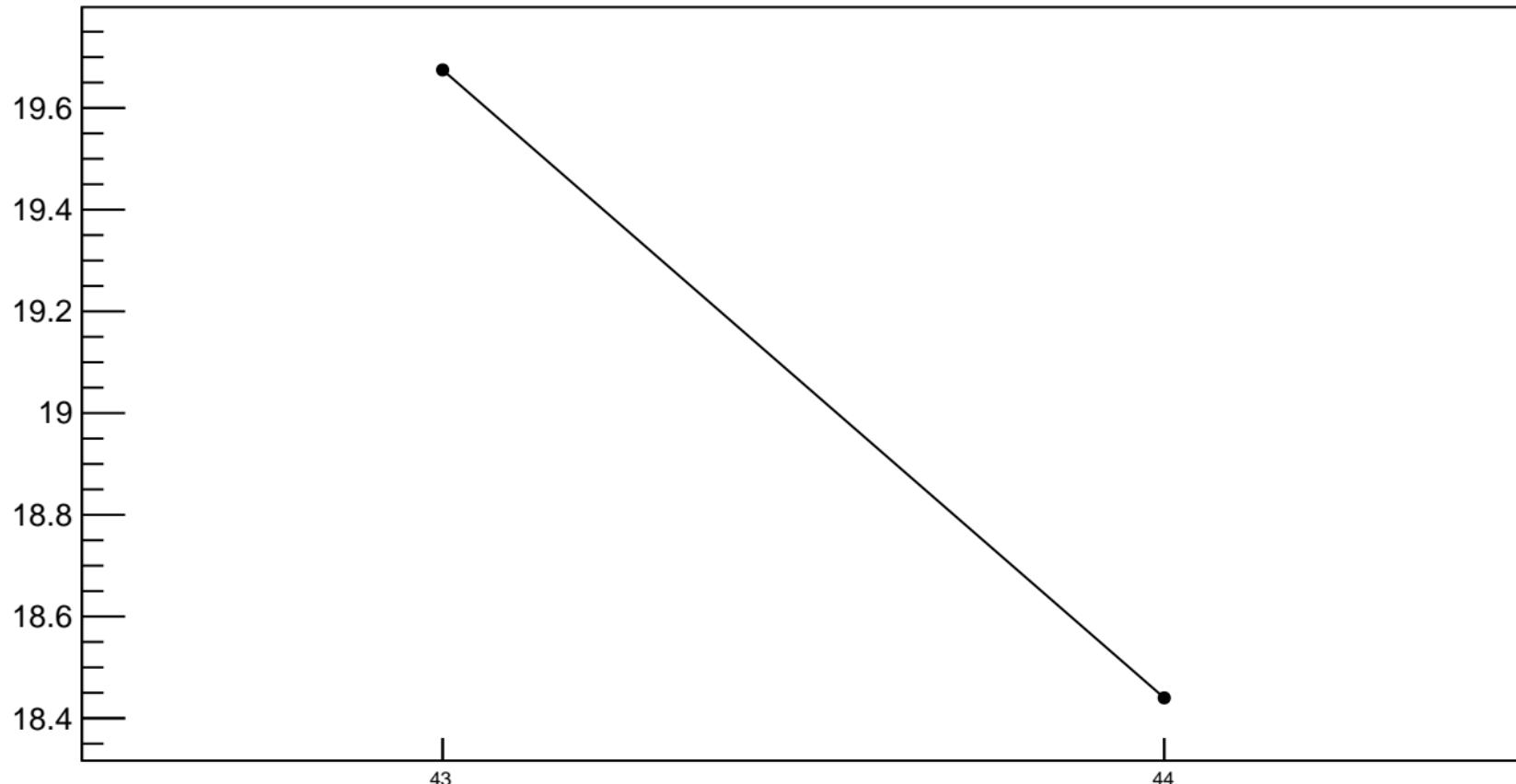


1D pull distribution

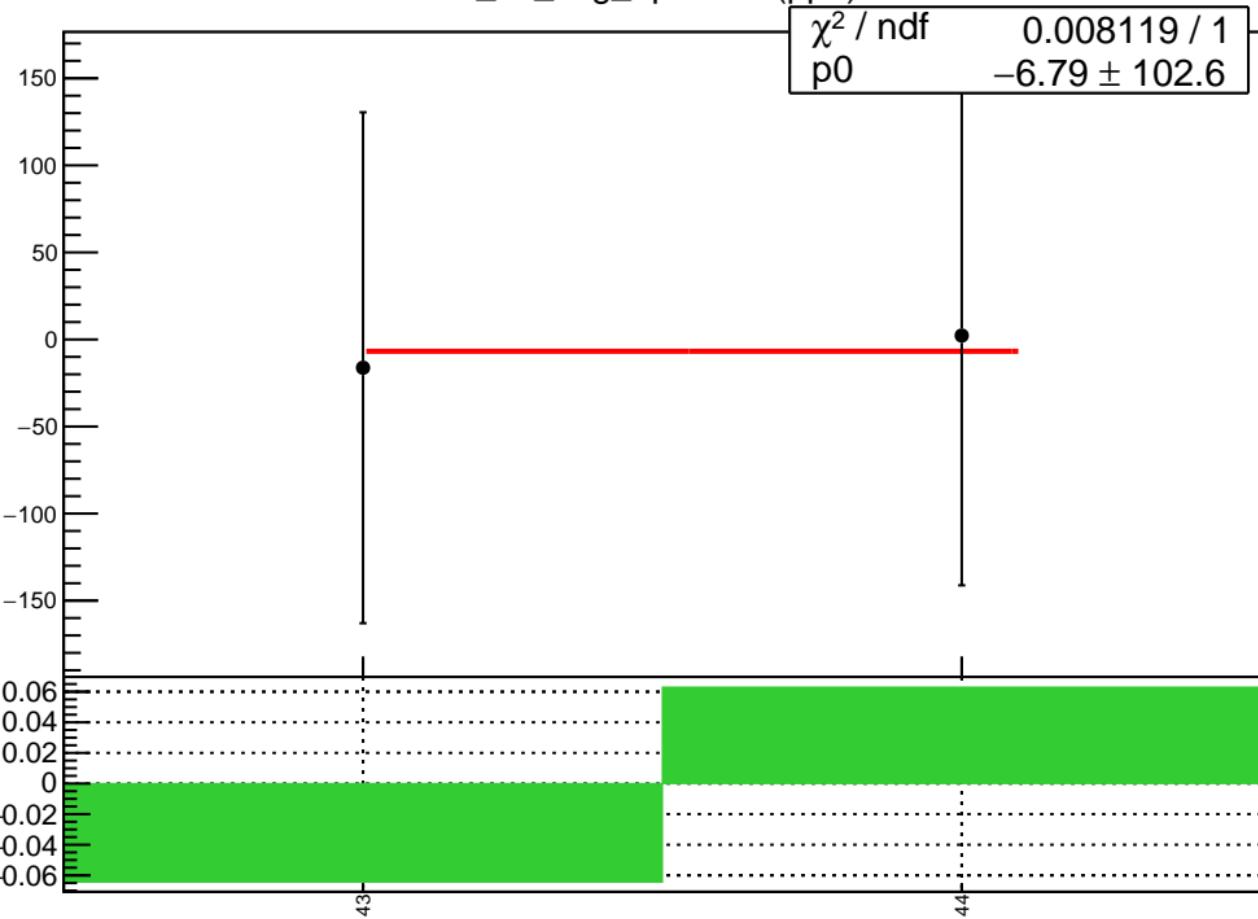


corr_us_avg_bpm16Y RMS (ppm)

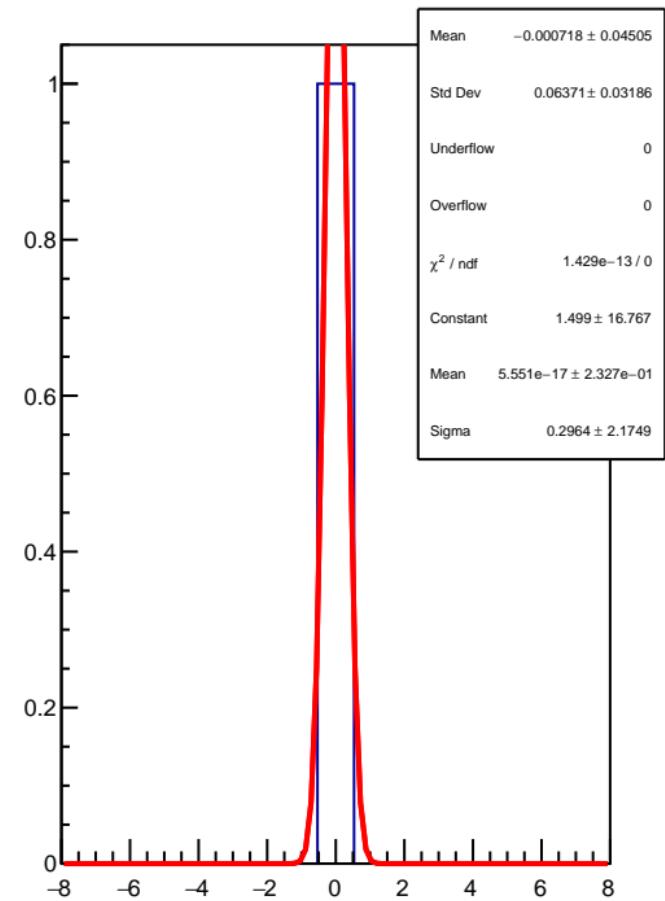
RMS (ppm)



corr_us_avg_bpm12X (ppb)

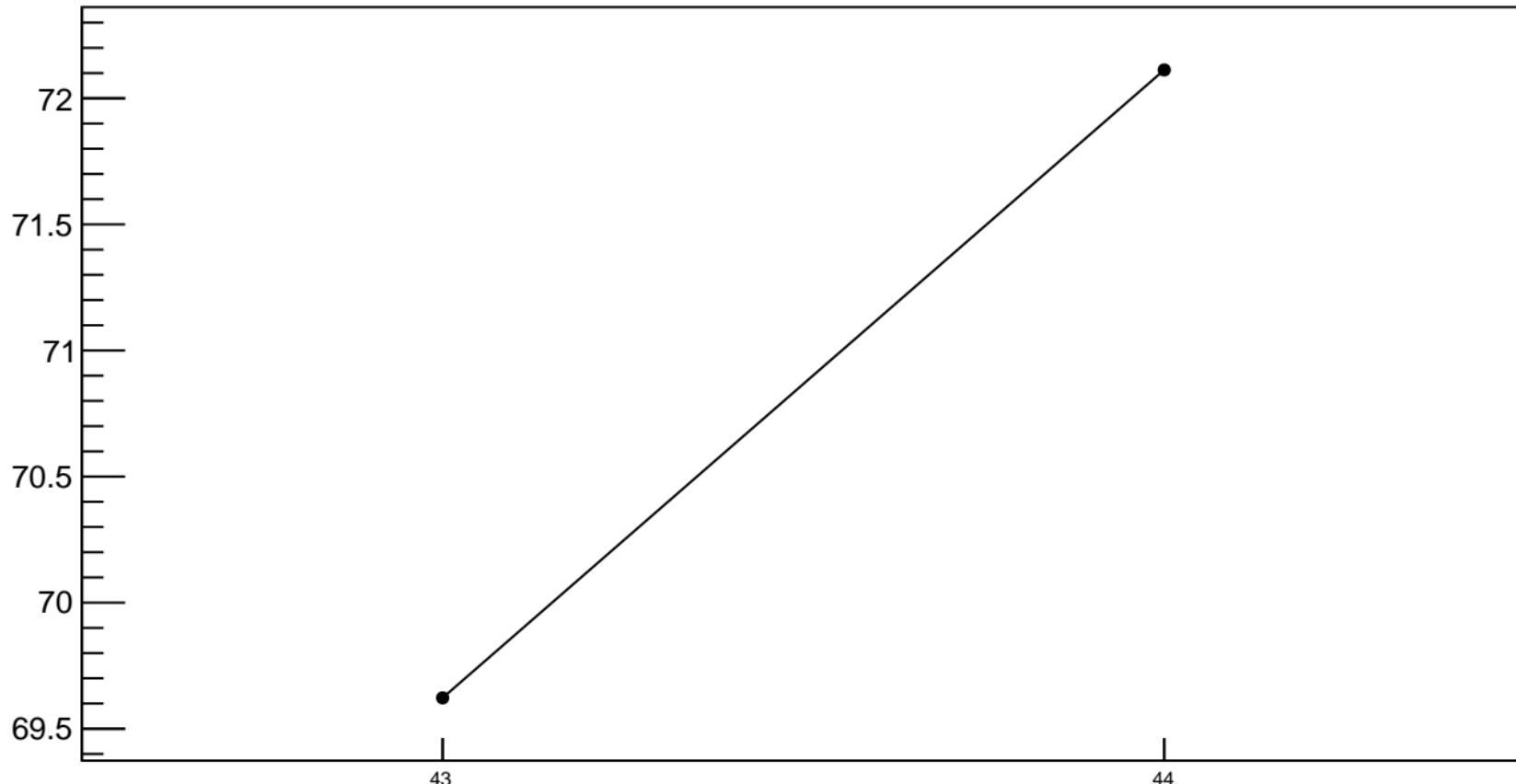


1D pull distribution

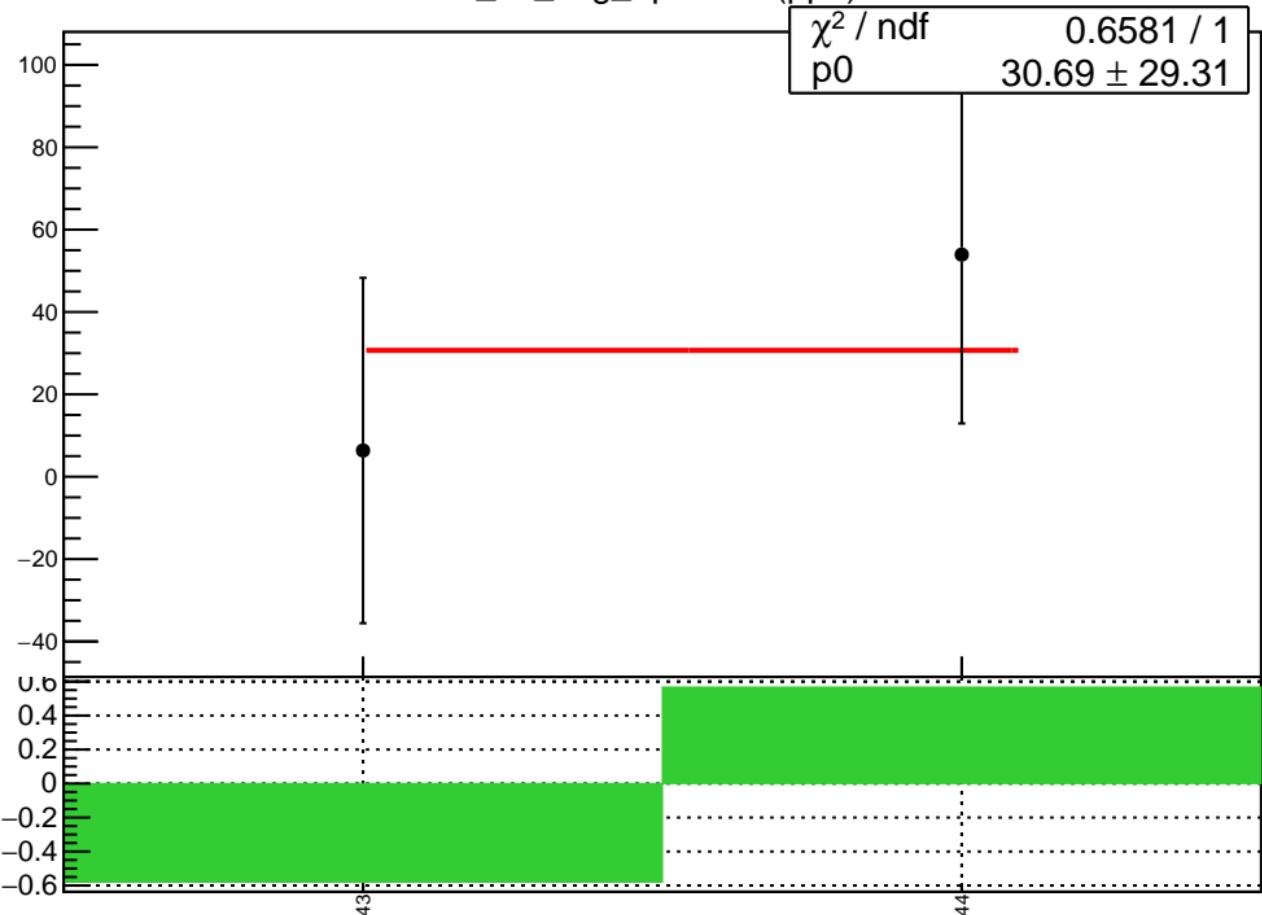


corr_us_avg_bpm12X RMS (ppm)

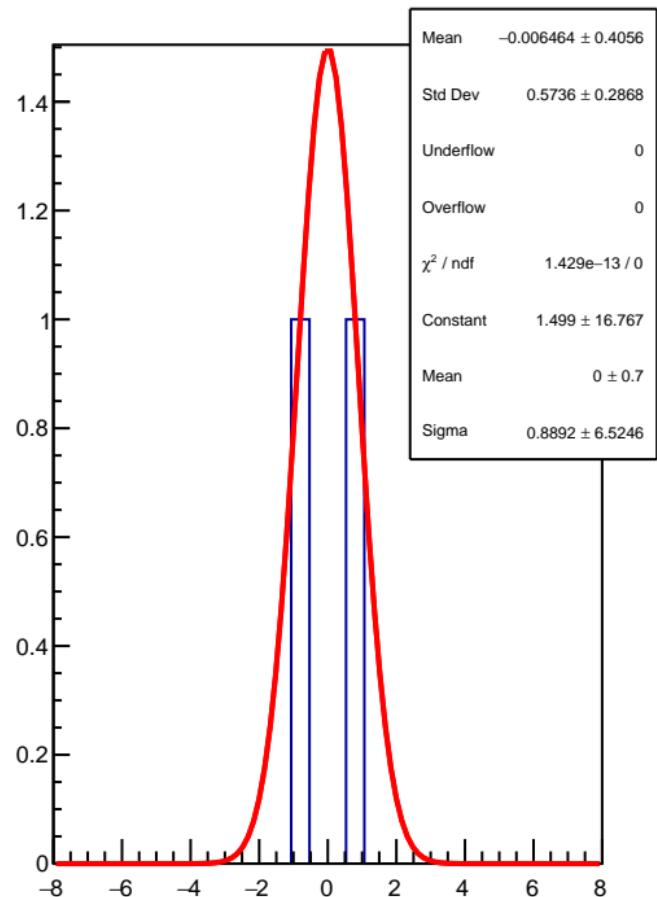
RMS (ppm)



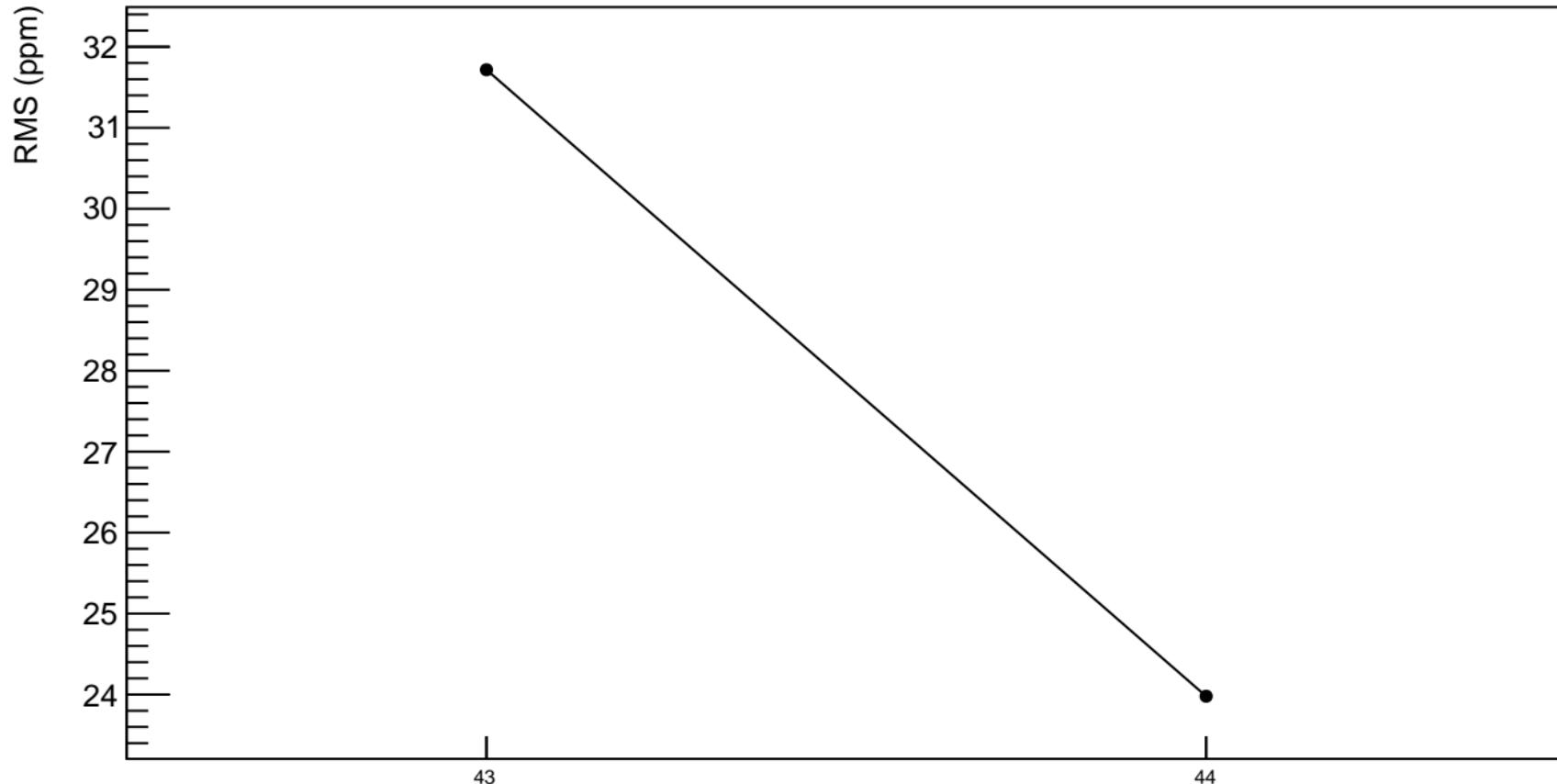
corr_us_avg_bpm12Y (ppb)



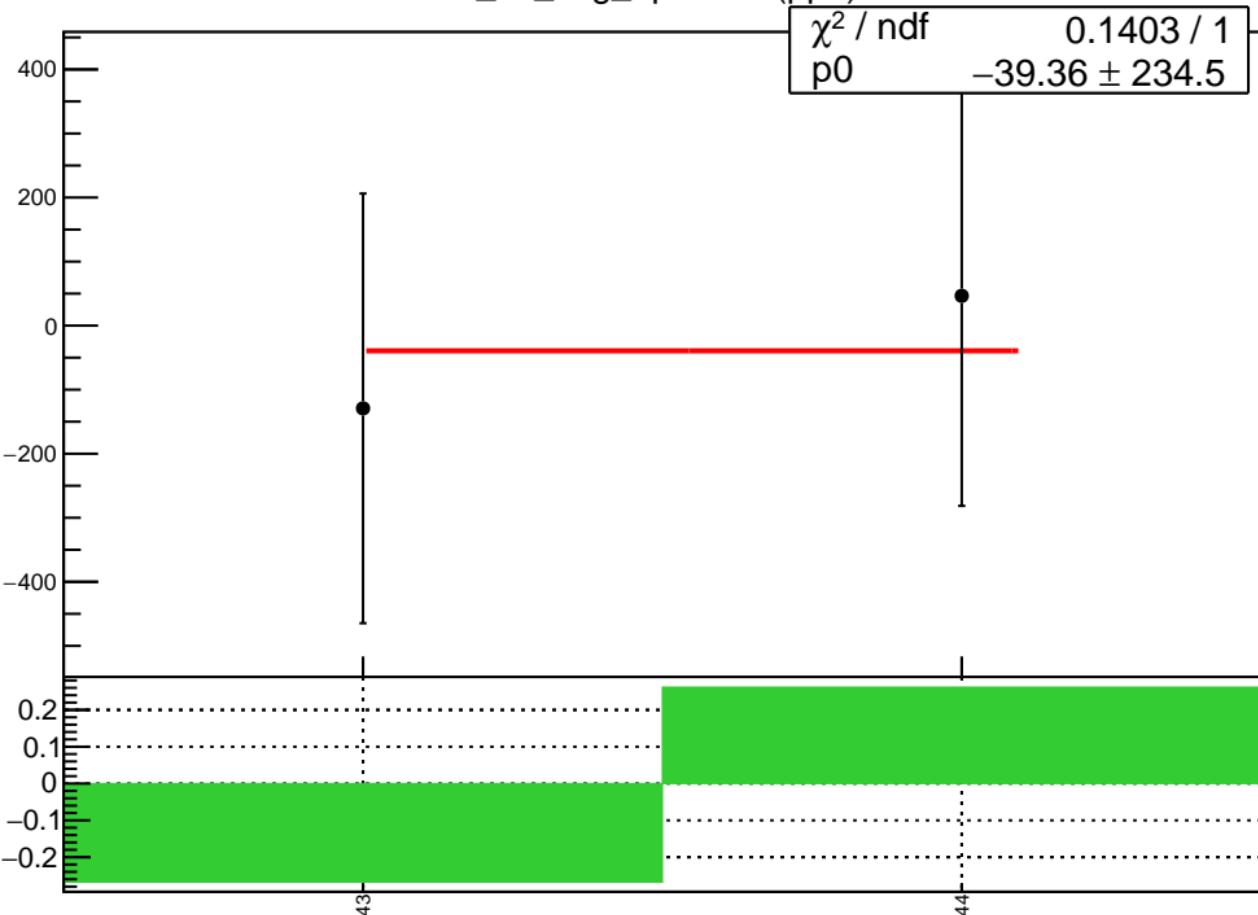
1D pull distribution



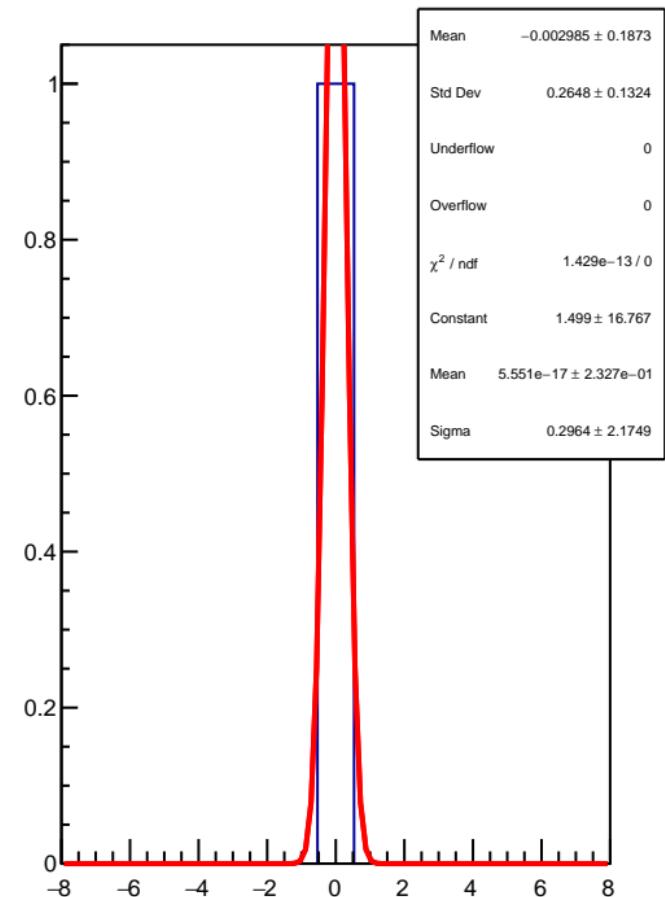
corr_us_avg_bpm12Y RMS (ppm)



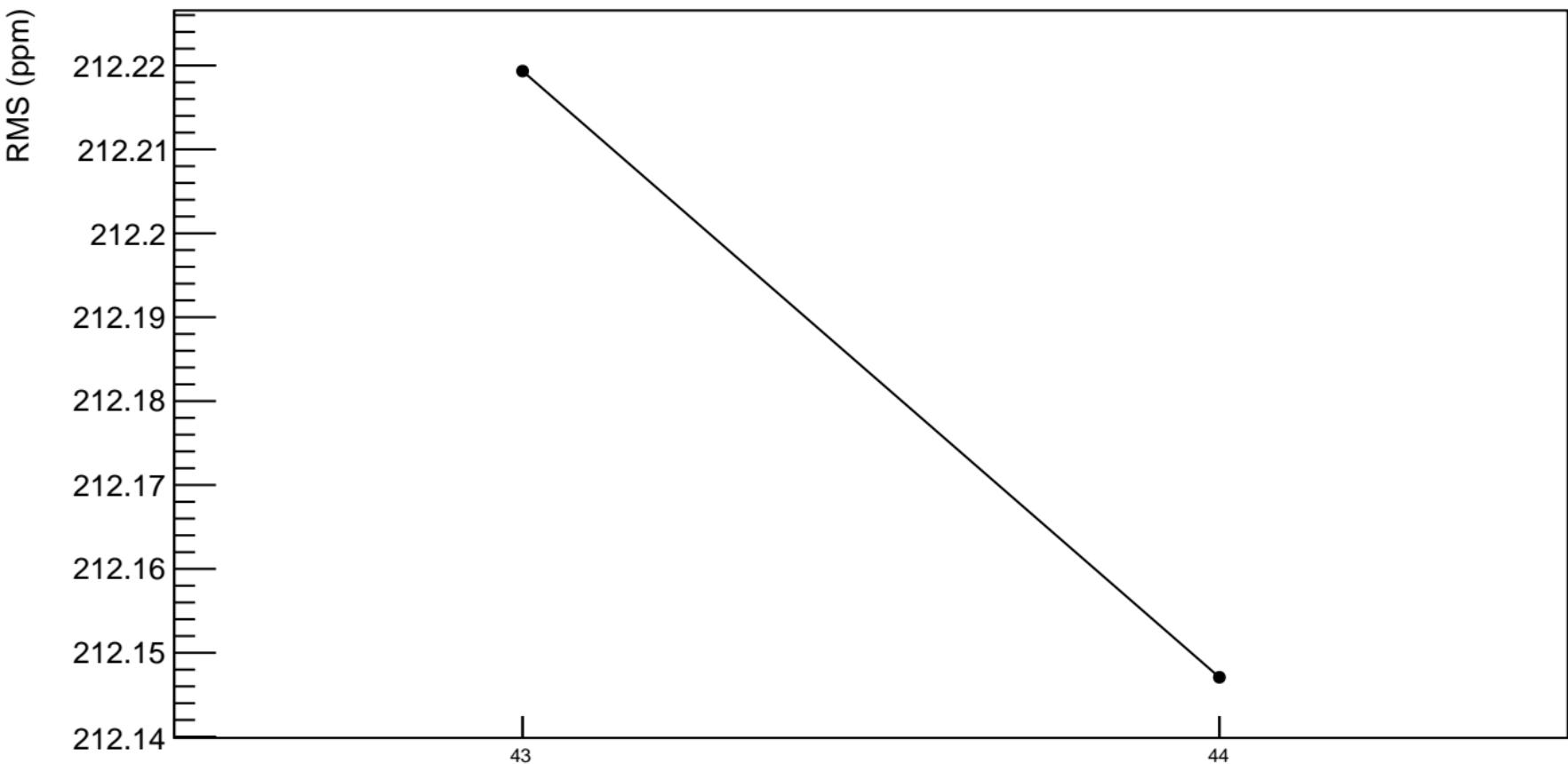
corr_us_avg_bpm11X (ppb)



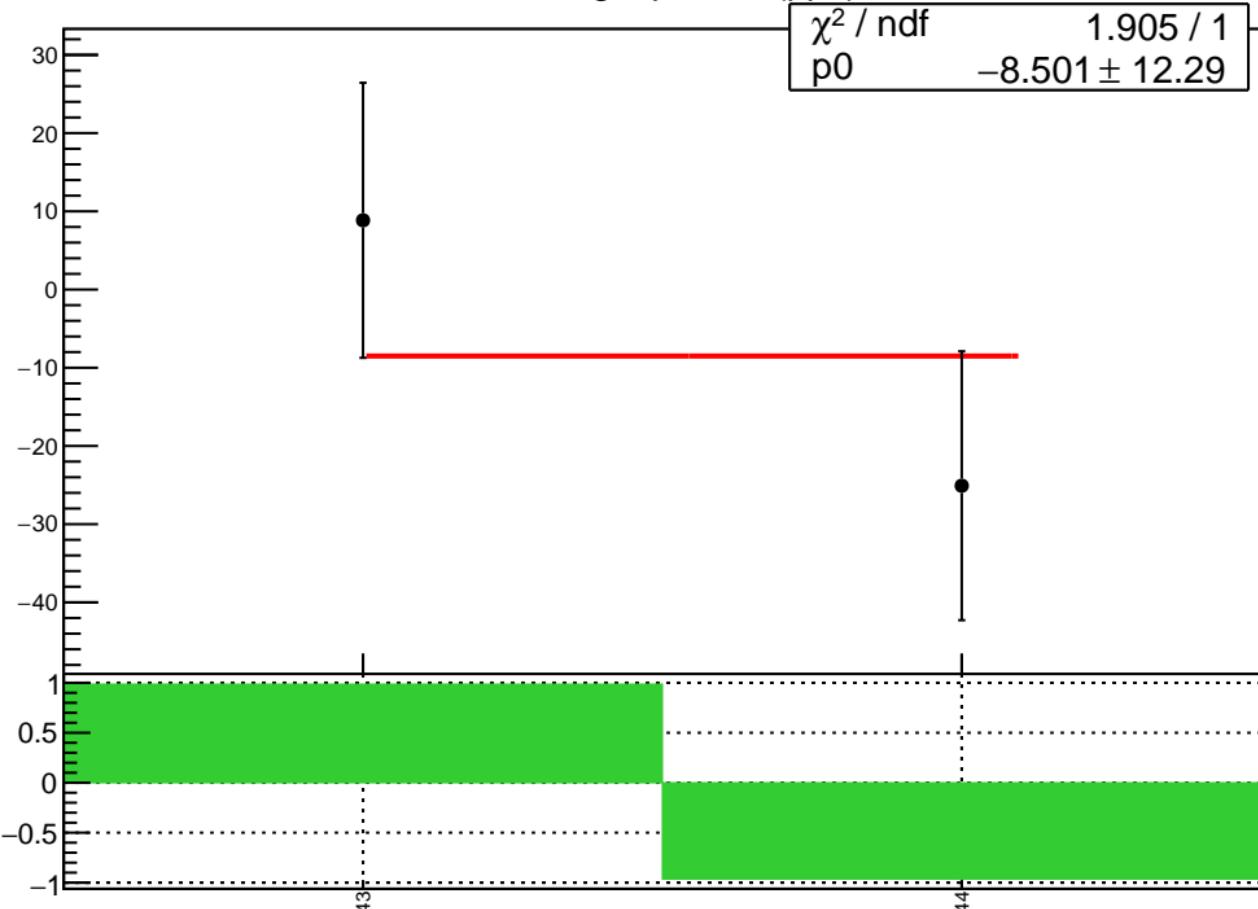
1D pull distribution



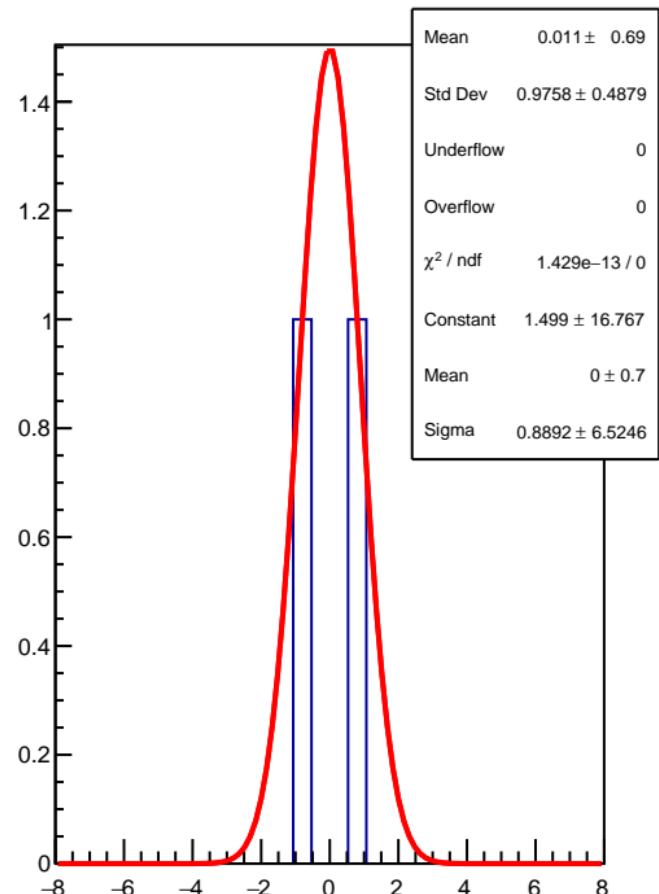
corr_us_avg_bpm11X RMS (ppm)



corr_us_avg_bpm11Y (ppb)

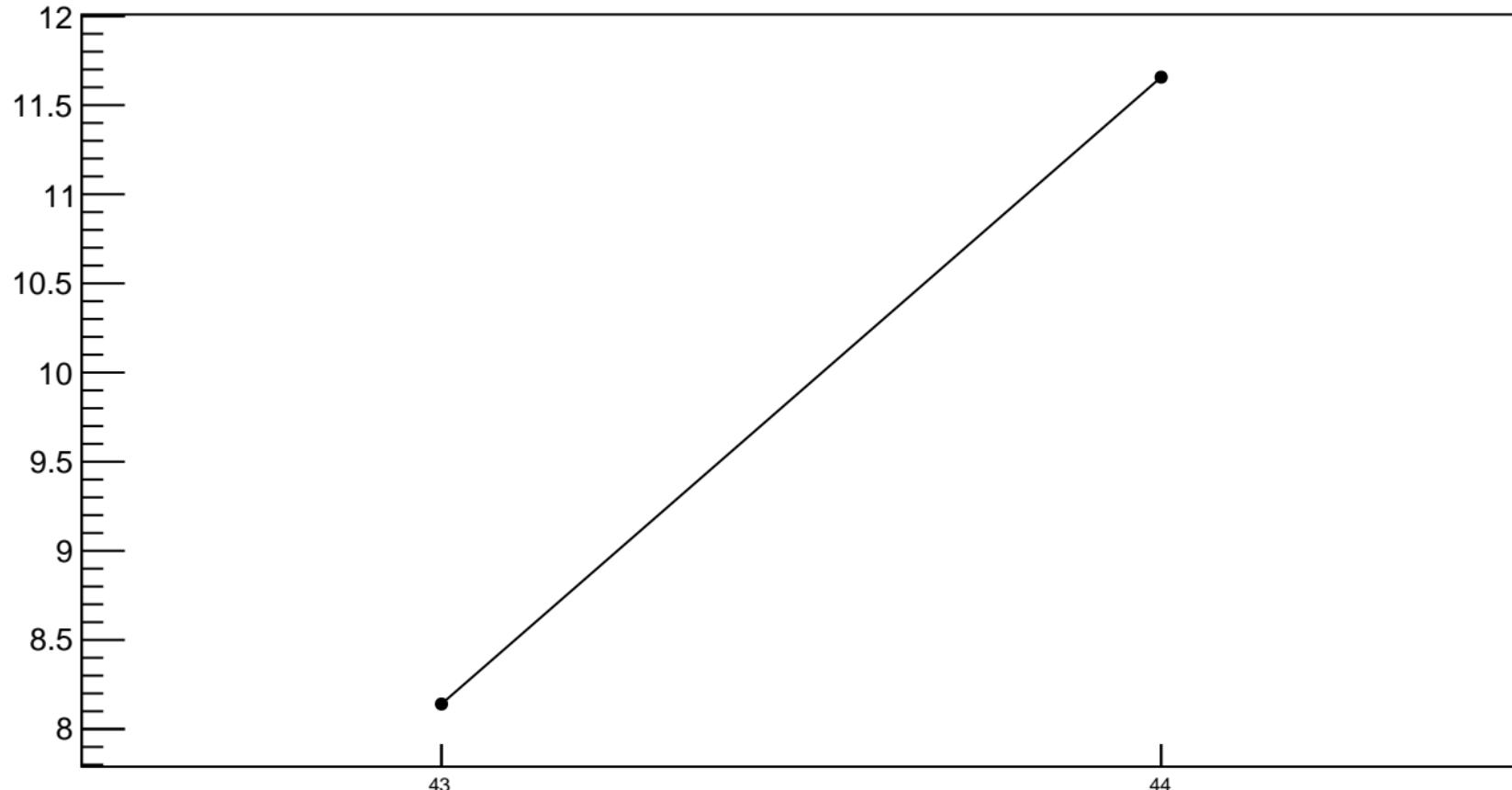


1D pull distribution

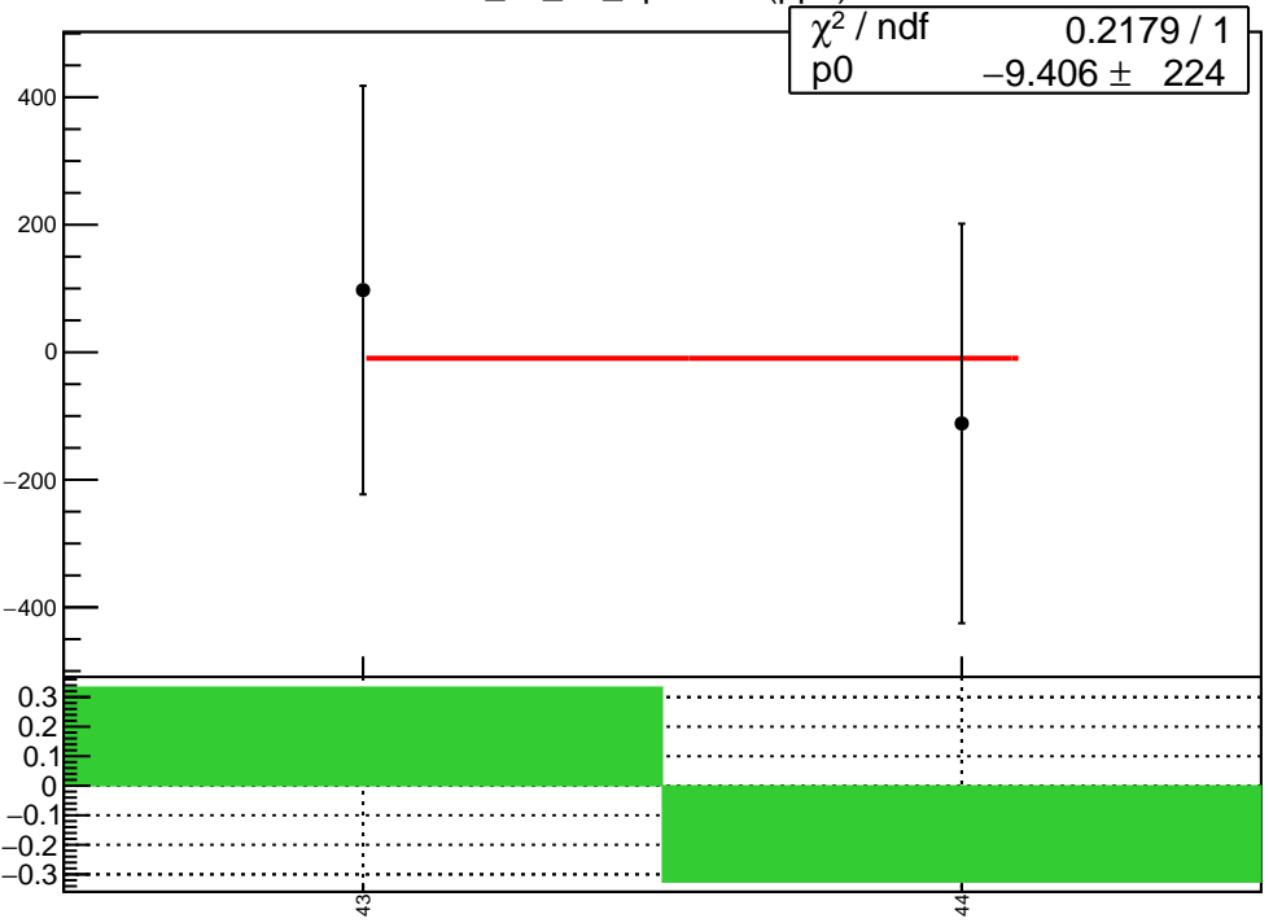


corr_us_avg_bpm11Y RMS (ppm)

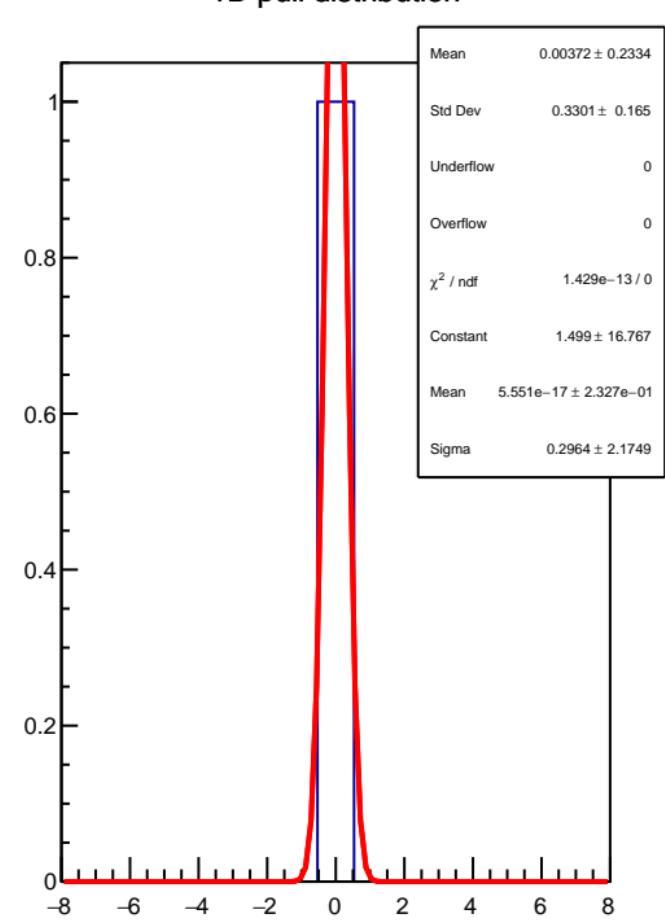
RMS (ppm)



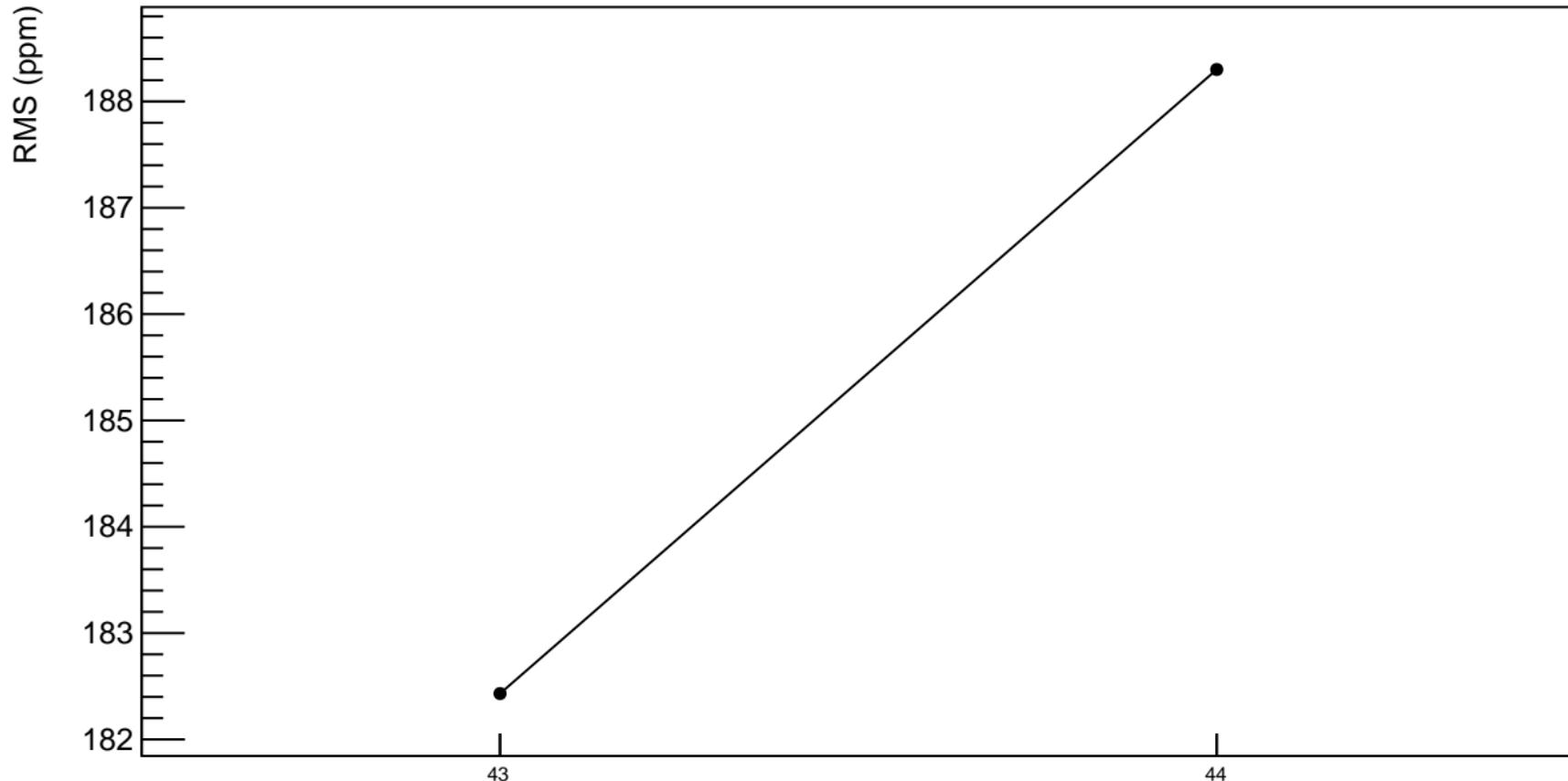
corr_us_dd_bpm4eX (ppb)



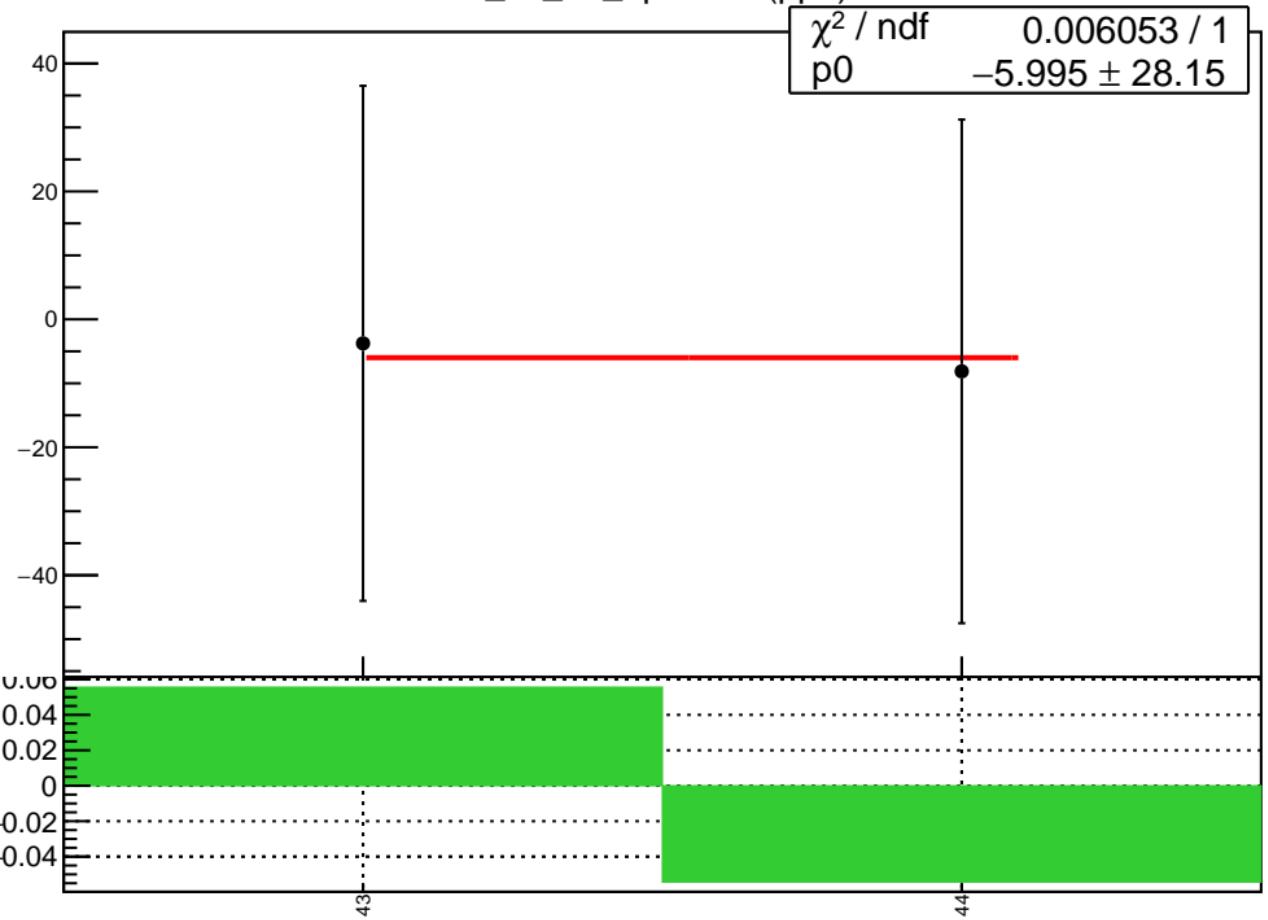
1D pull distribution



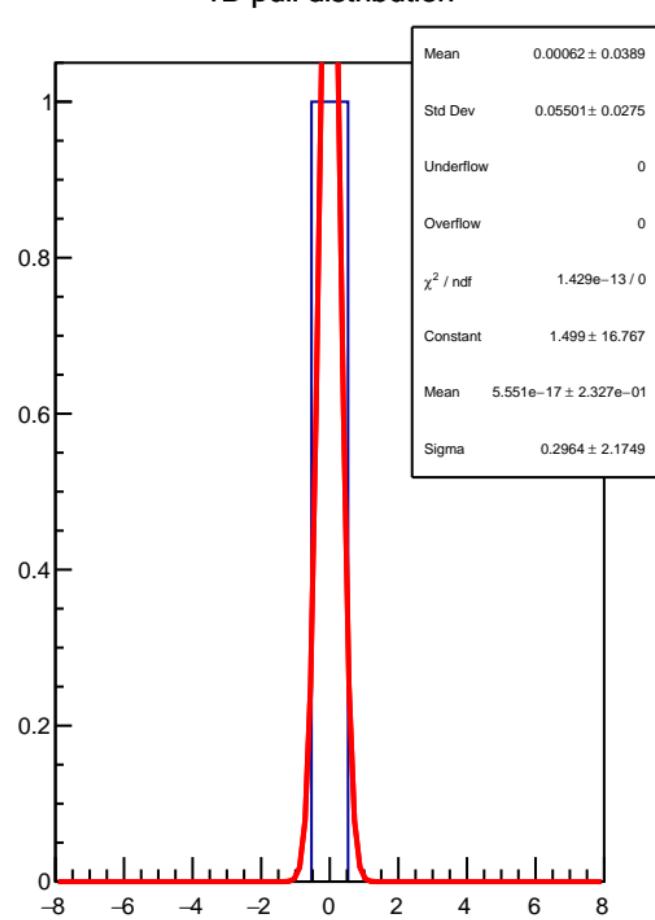
corr_us_dd_bpm4eX RMS (ppm)



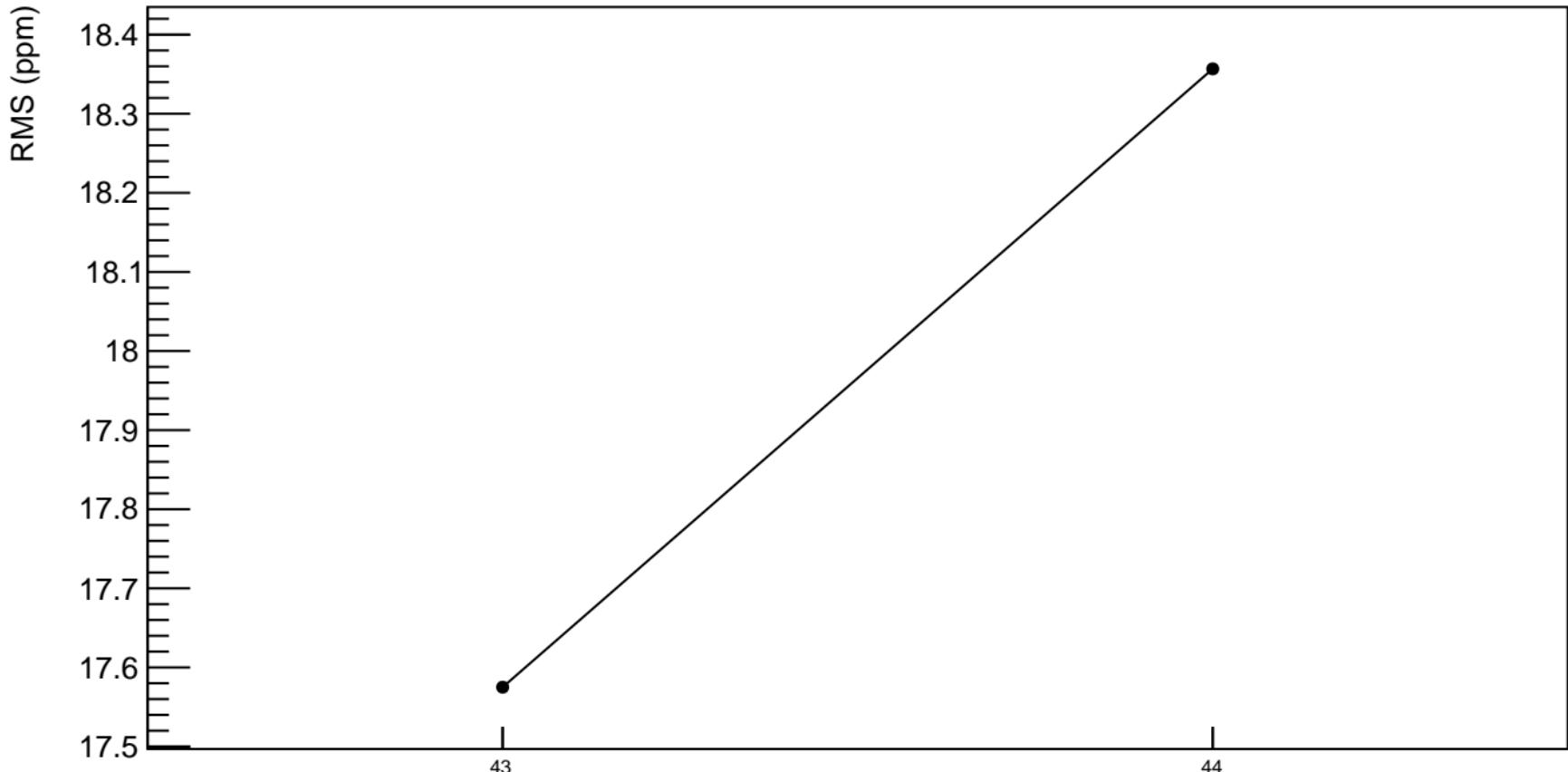
corr_us_dd_bpm4eY (ppb)



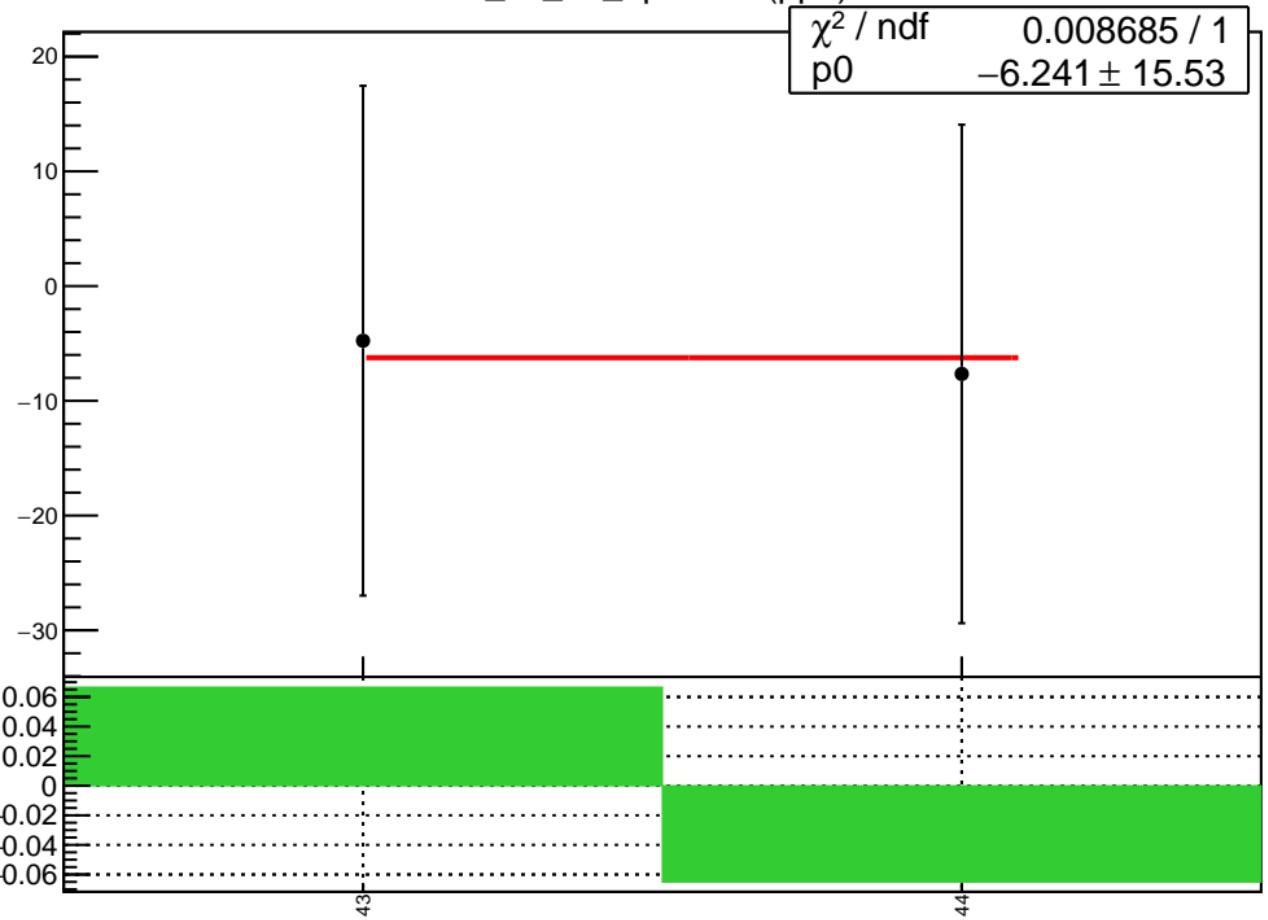
1D pull distribution



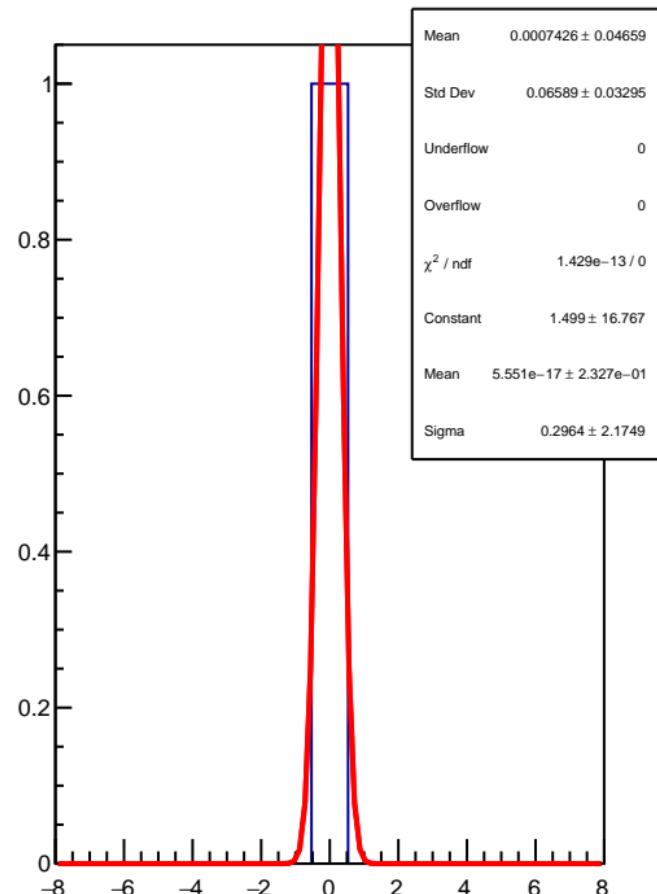
corr_us_dd_bpm4eY RMS (ppm)



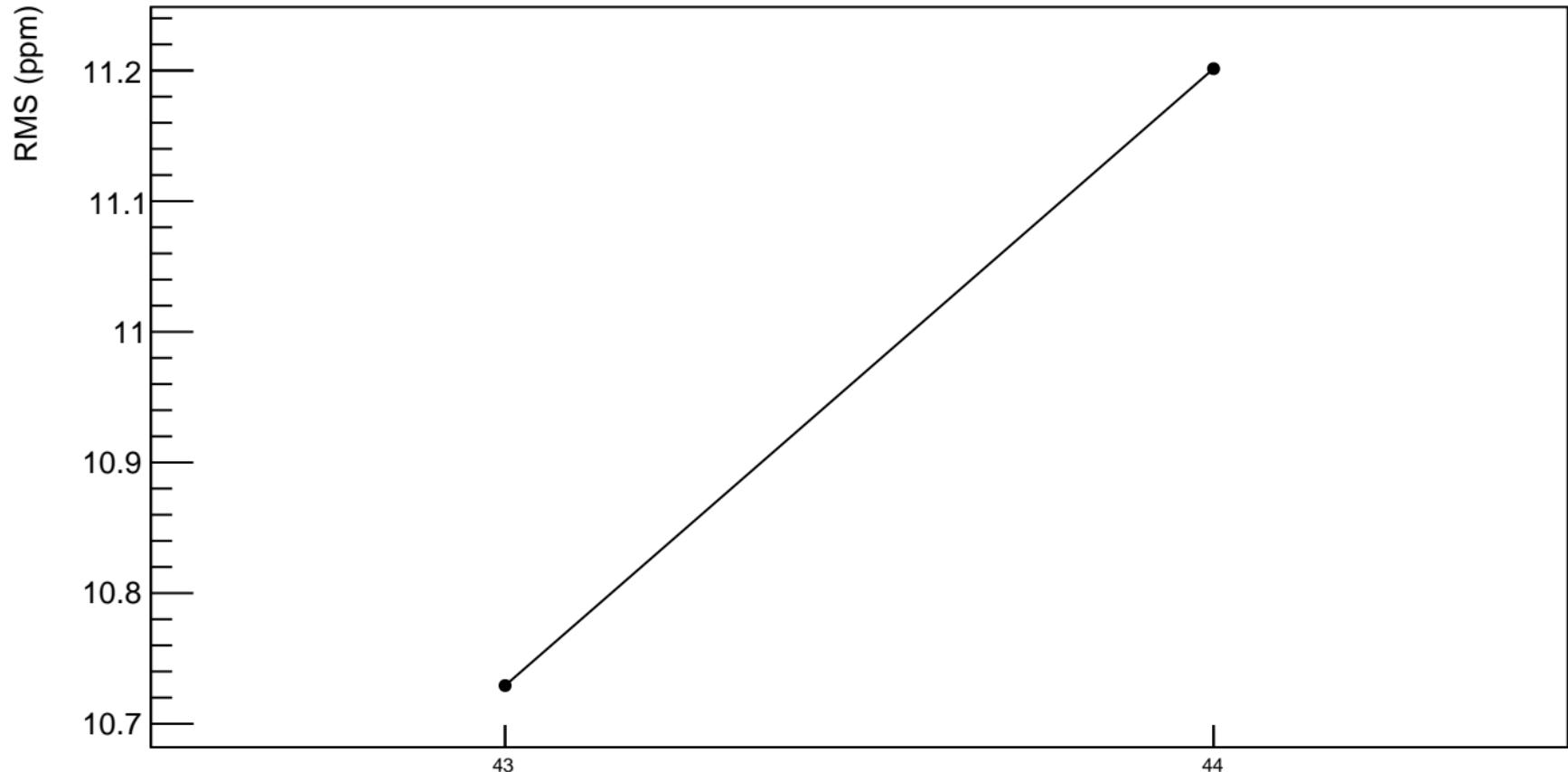
corr_us_dd_bpm4aX (ppb)



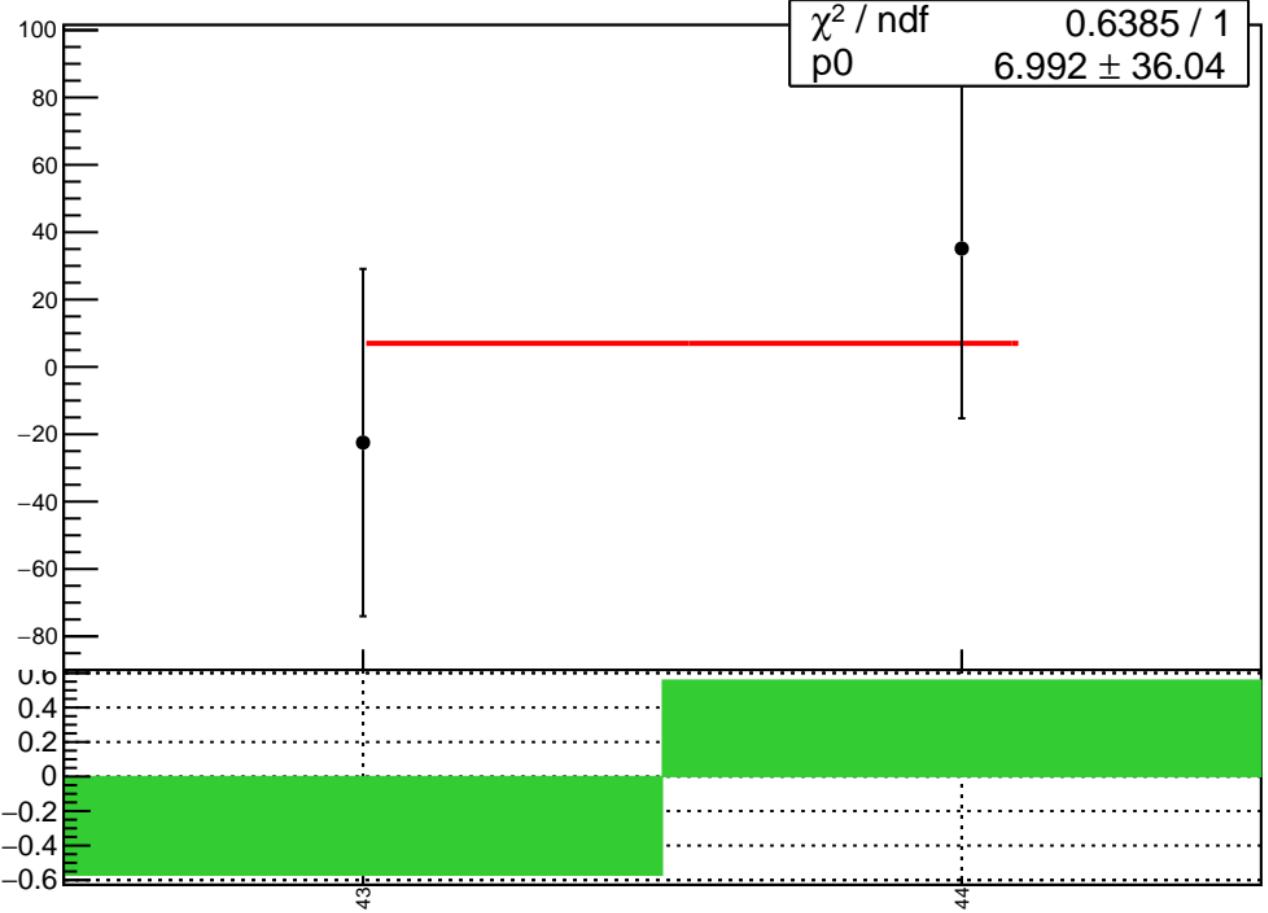
1D pull distribution



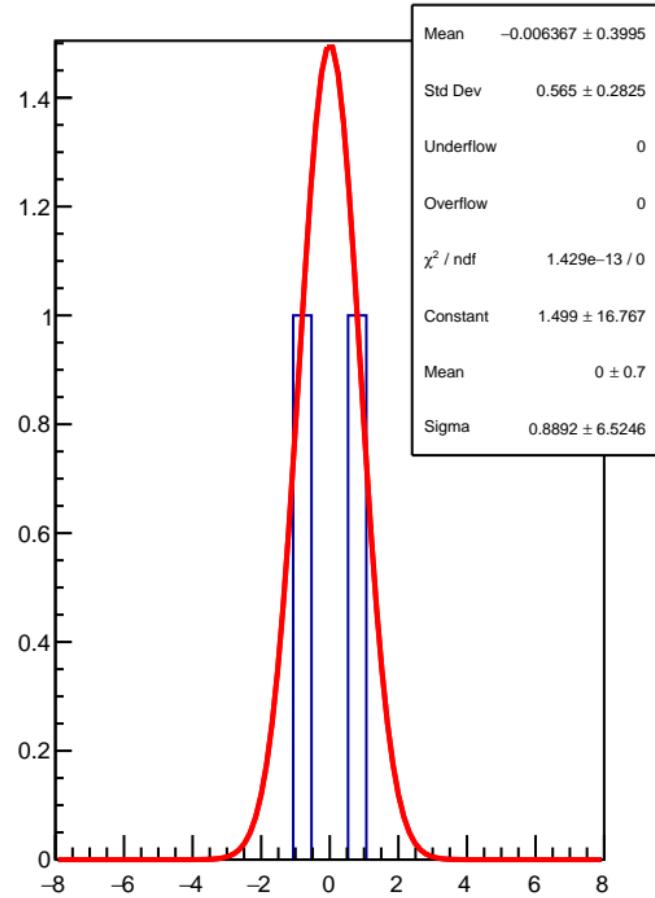
corr_us_dd_bpm4aX RMS (ppm)



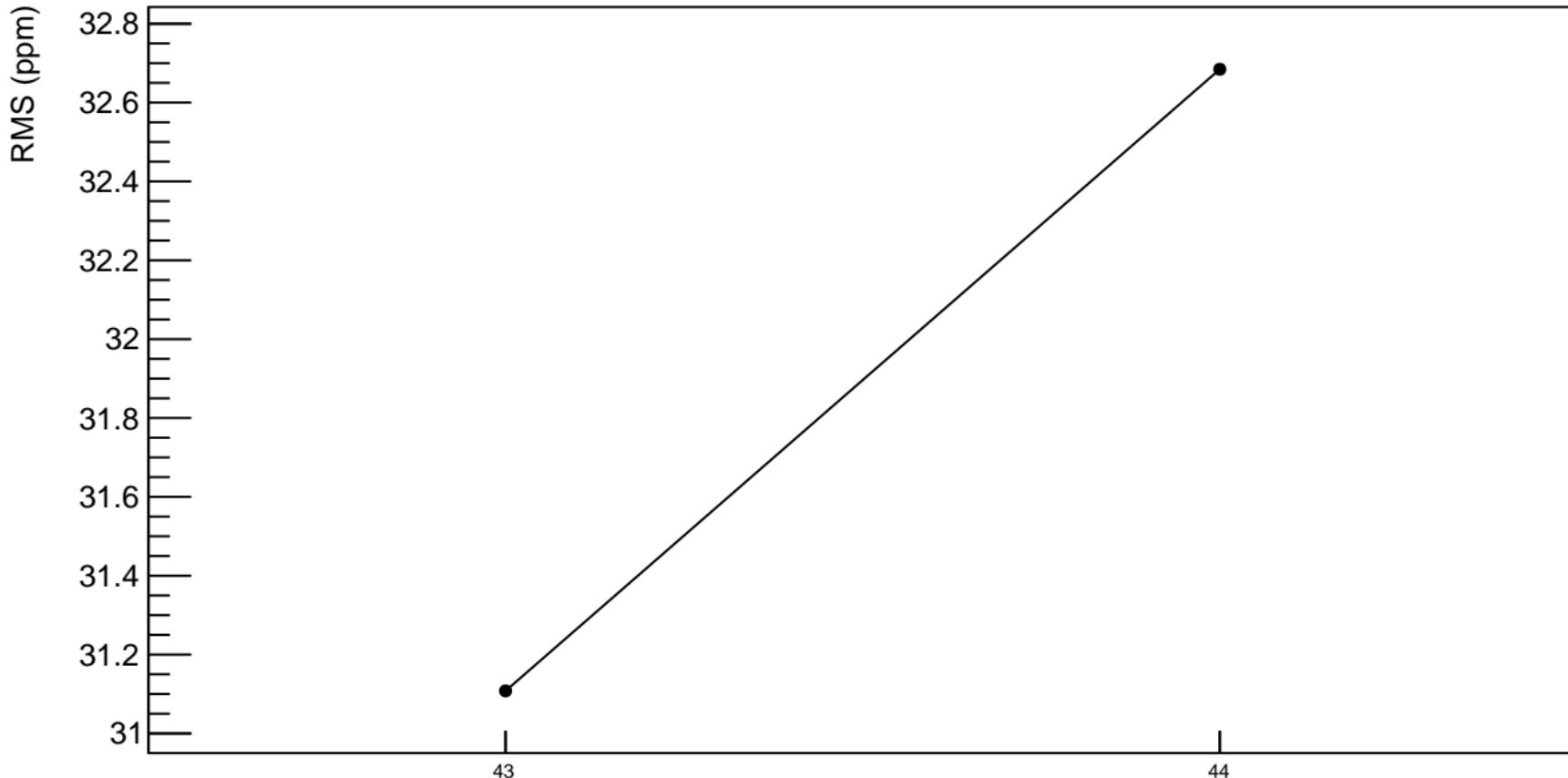
corr_us_dd_bpm4aY (ppb)



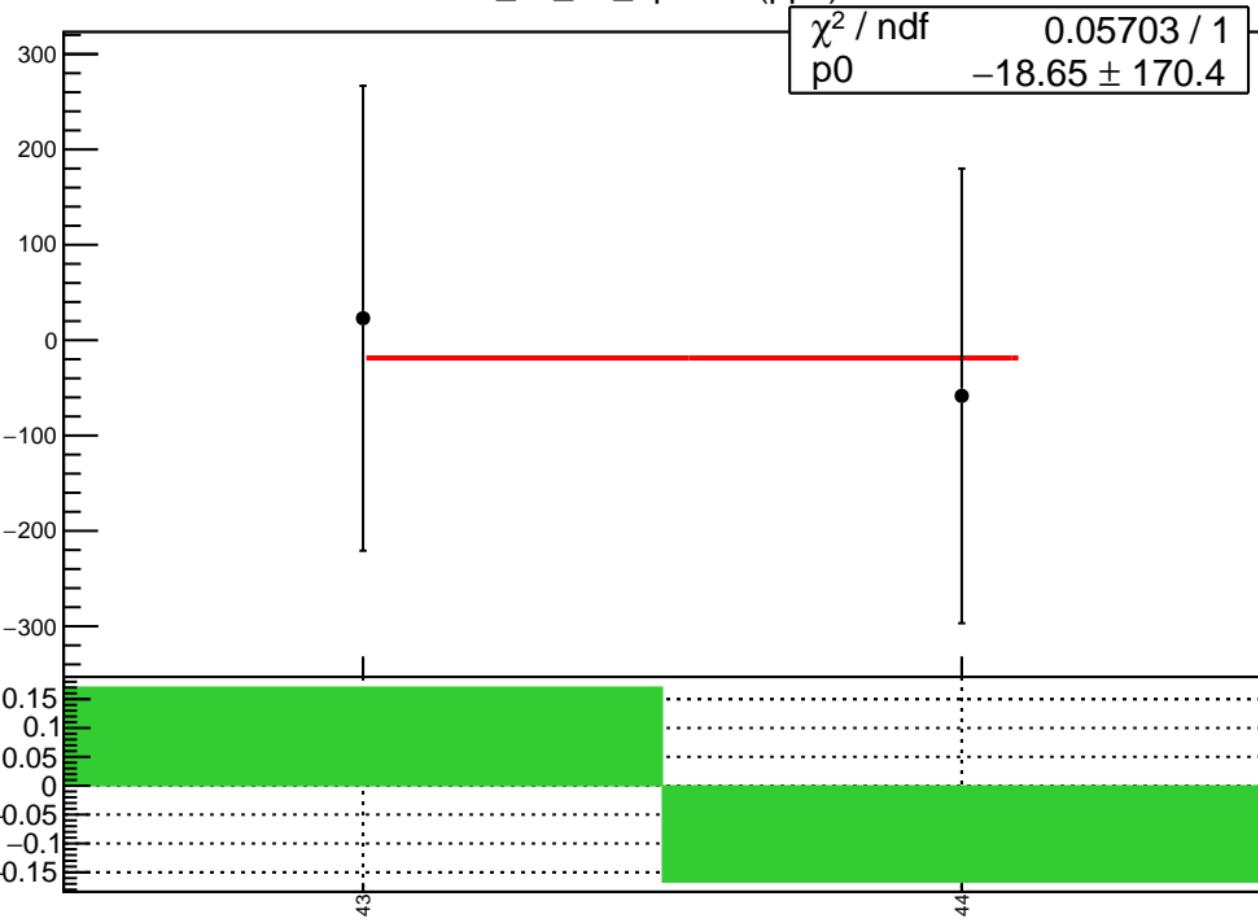
1D pull distribution



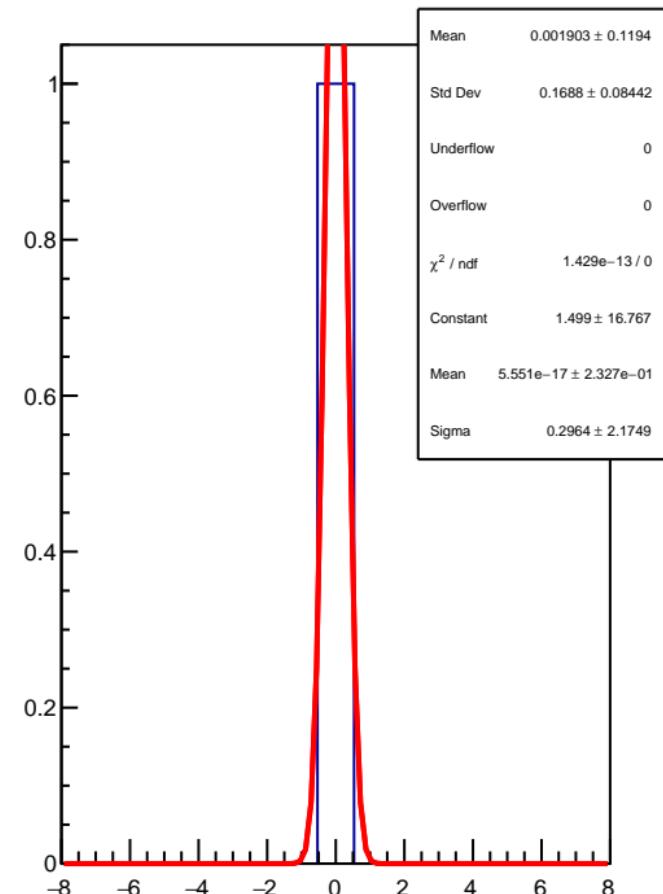
corr_us_dd_bpm4aY RMS (ppm)



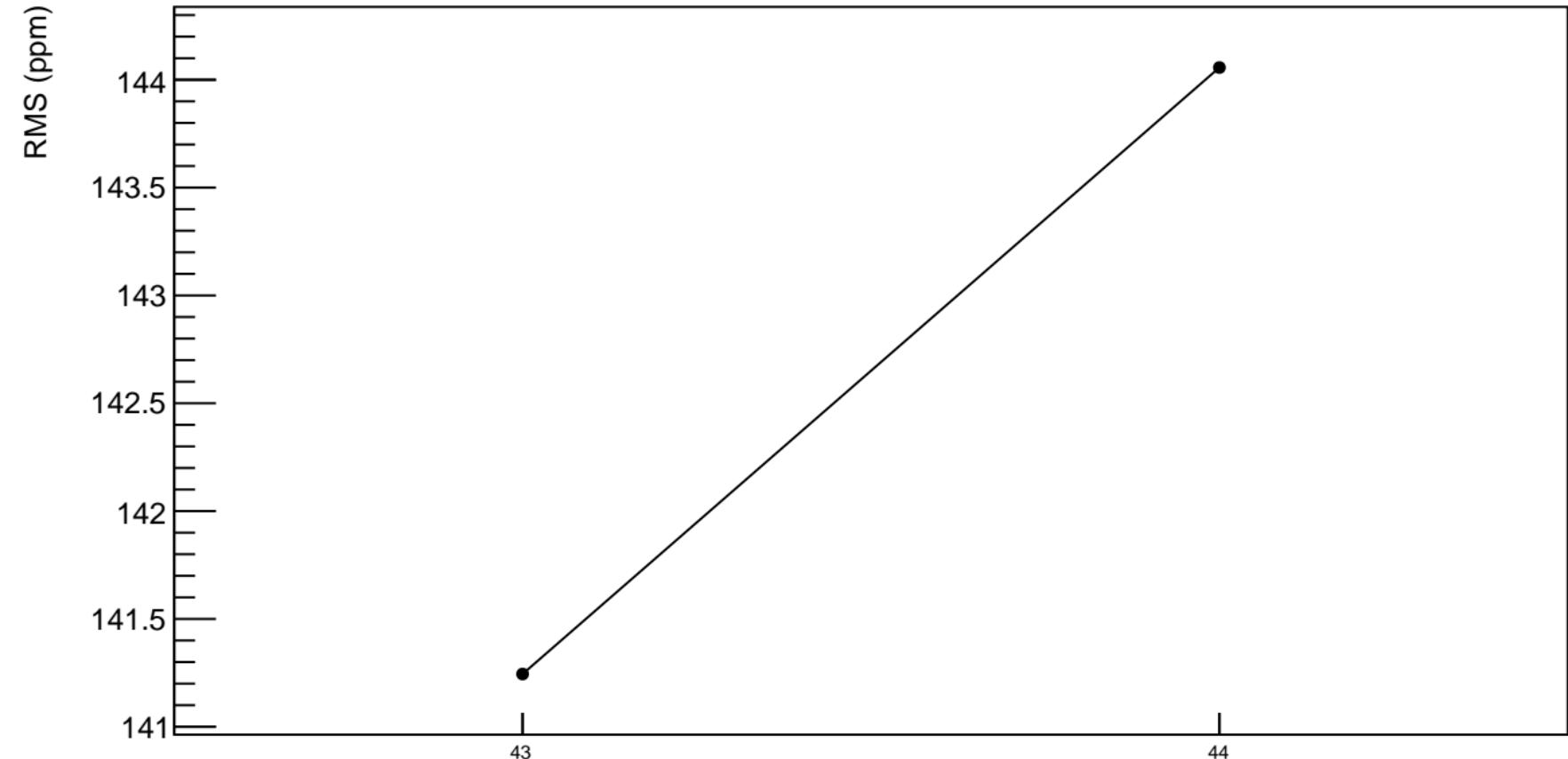
corr_us_dd_bpm1X (ppb)



1D pull distribution

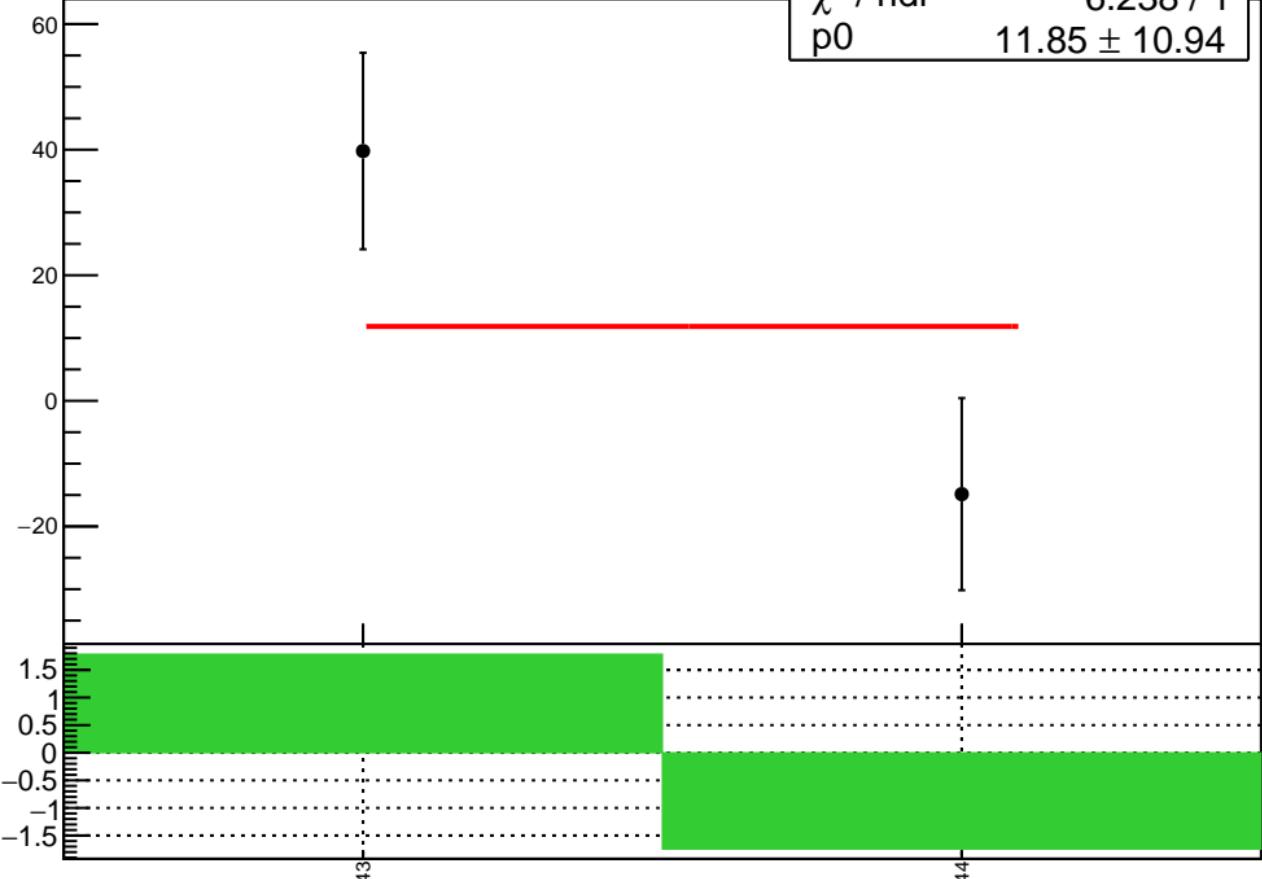


corr_us_dd_bpm1X RMS (ppm)

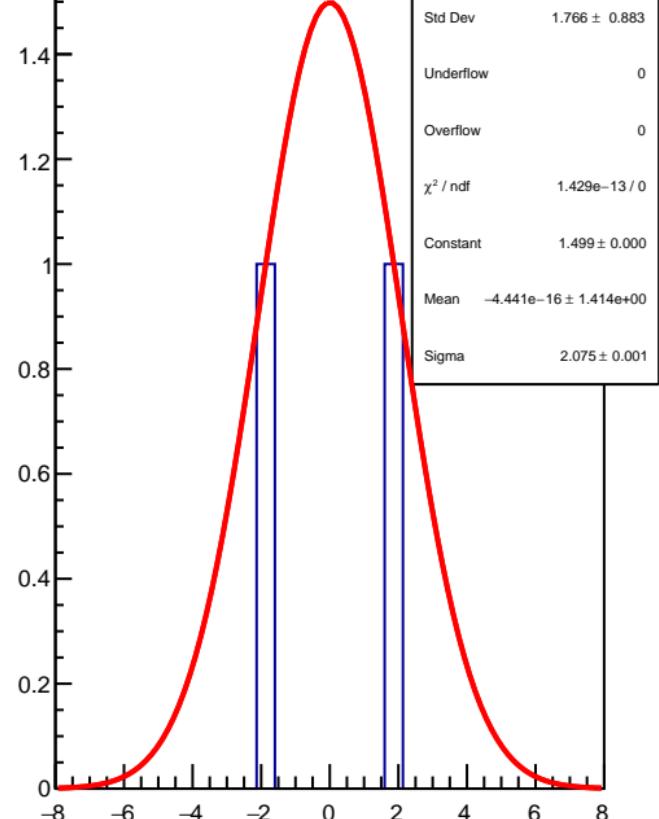


corr_us_dd_bpm1Y (ppb)

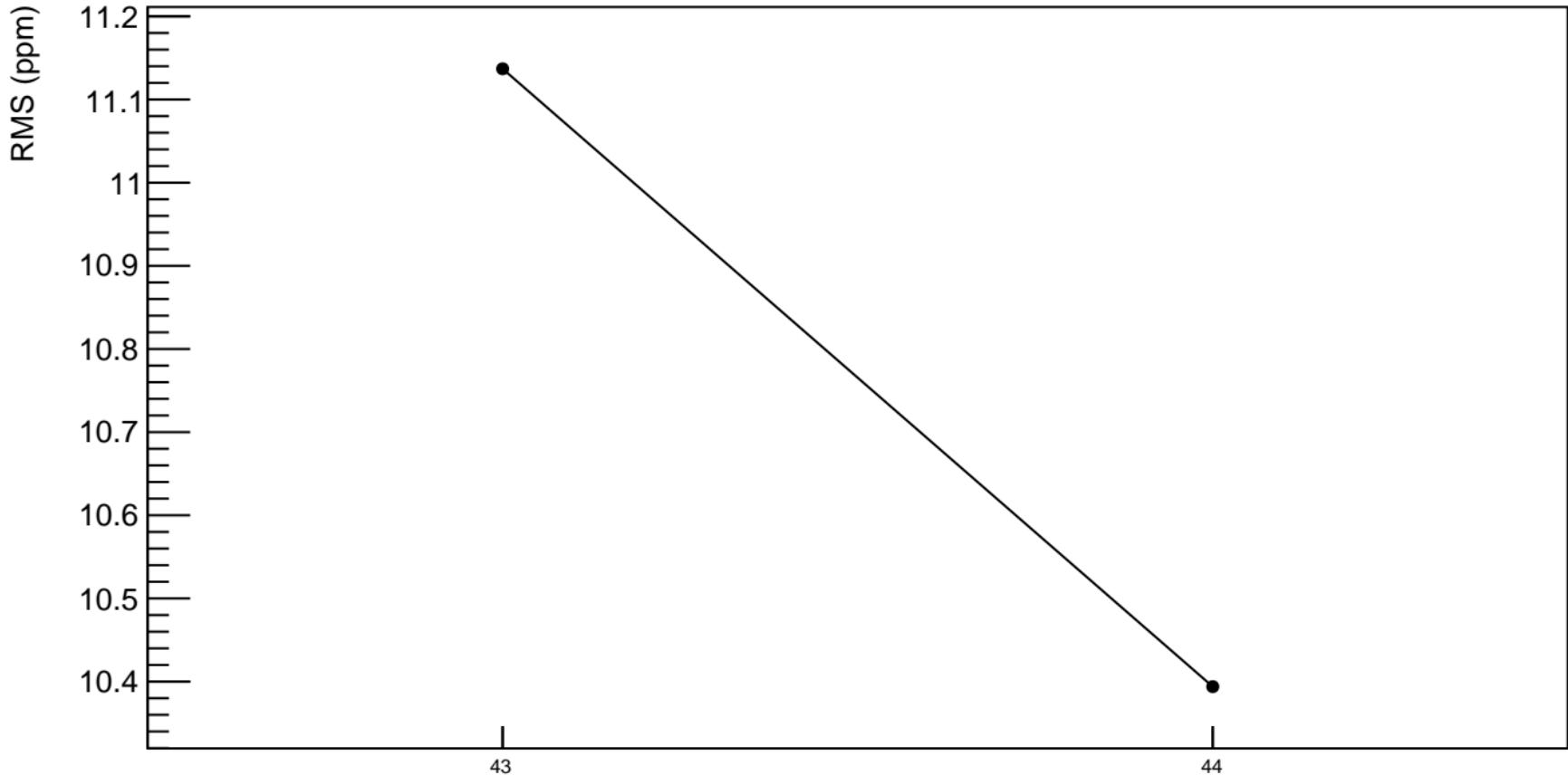
χ^2 / ndf 6.238 / 1
p0 11.85 ± 10.94



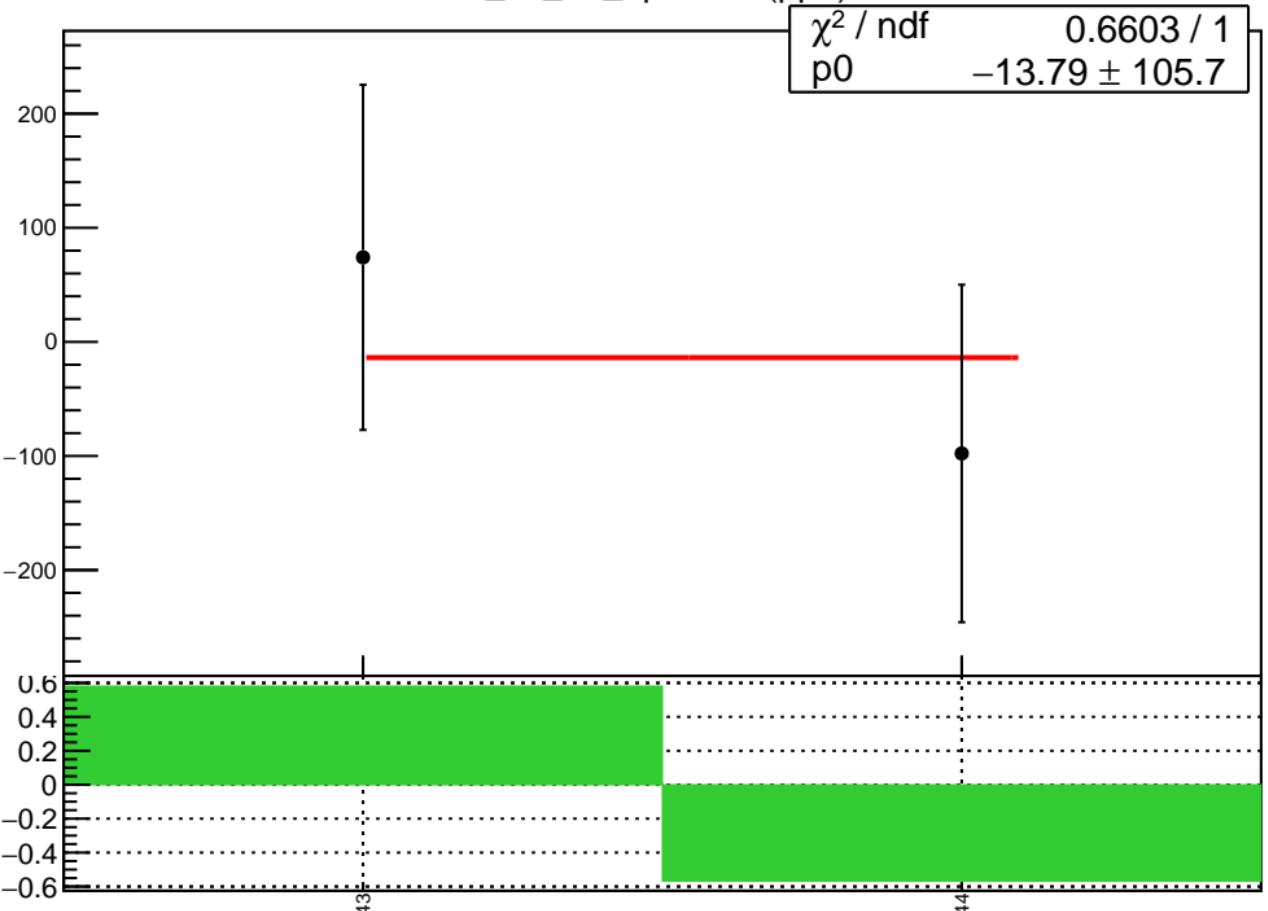
1D pull distribution



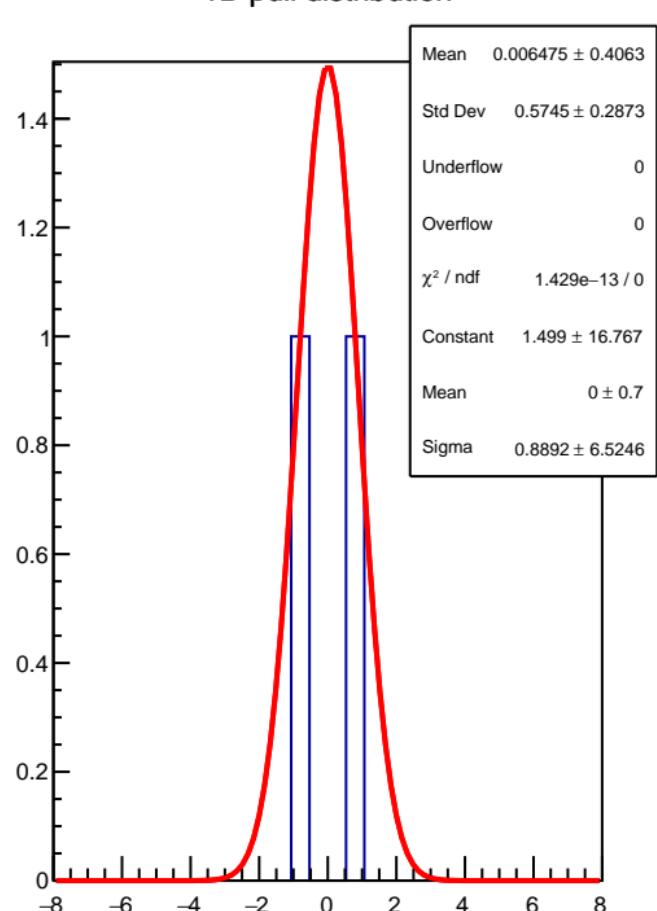
corr_us_dd_bpm1Y RMS (ppm)



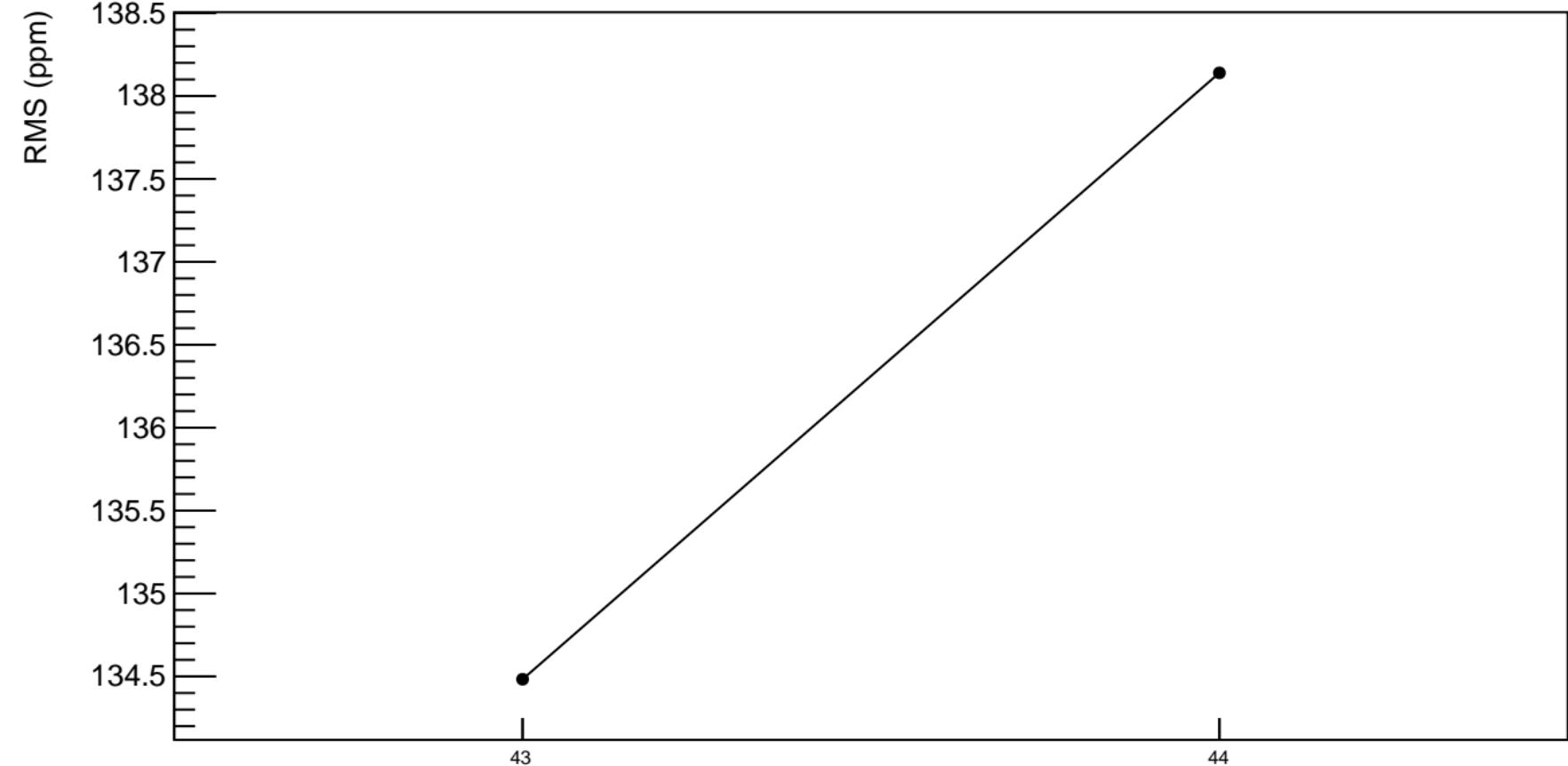
corr_us_dd_bpm16X (ppb)



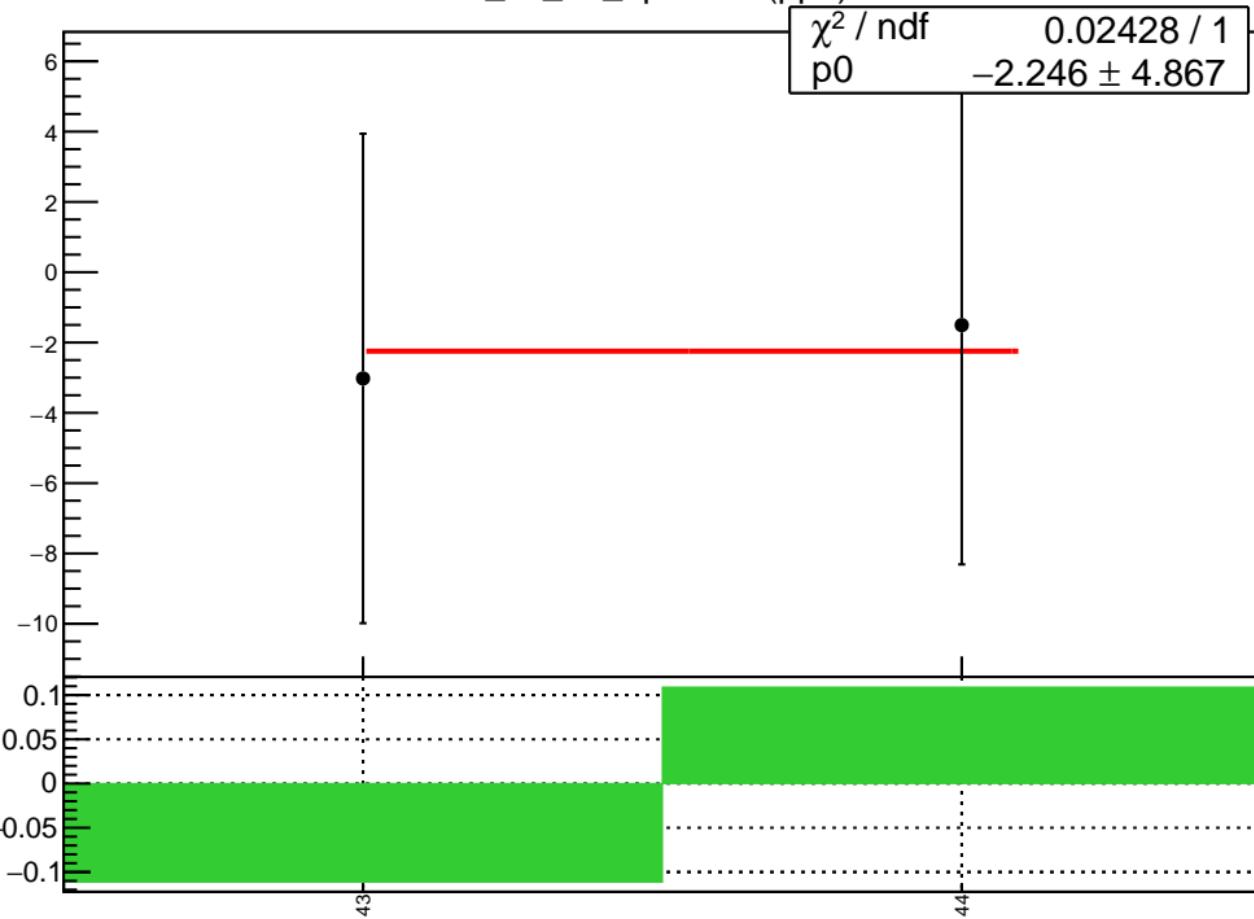
1D pull distribution



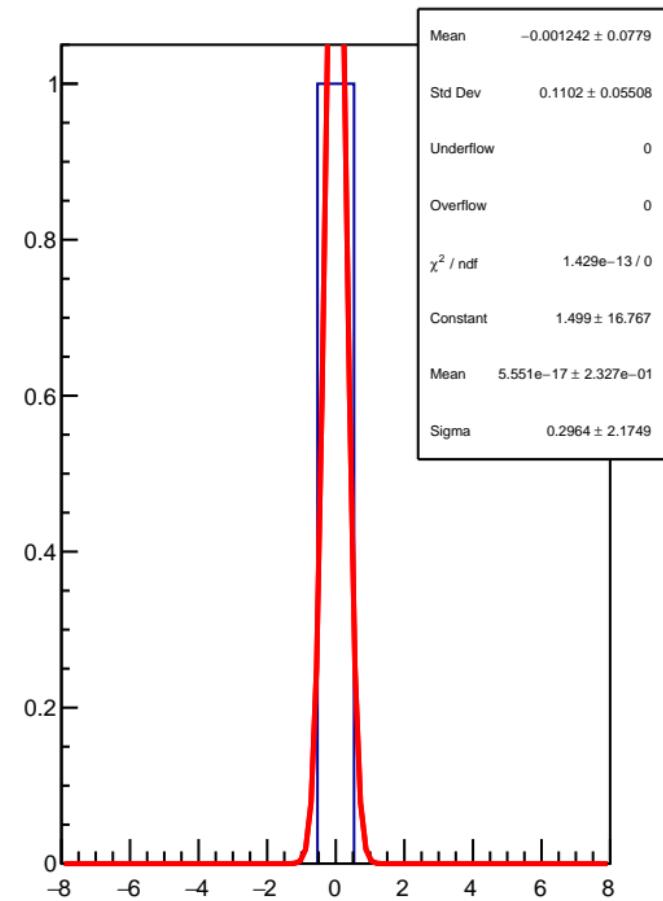
corr_us_dd_bpm16X RMS (ppm)



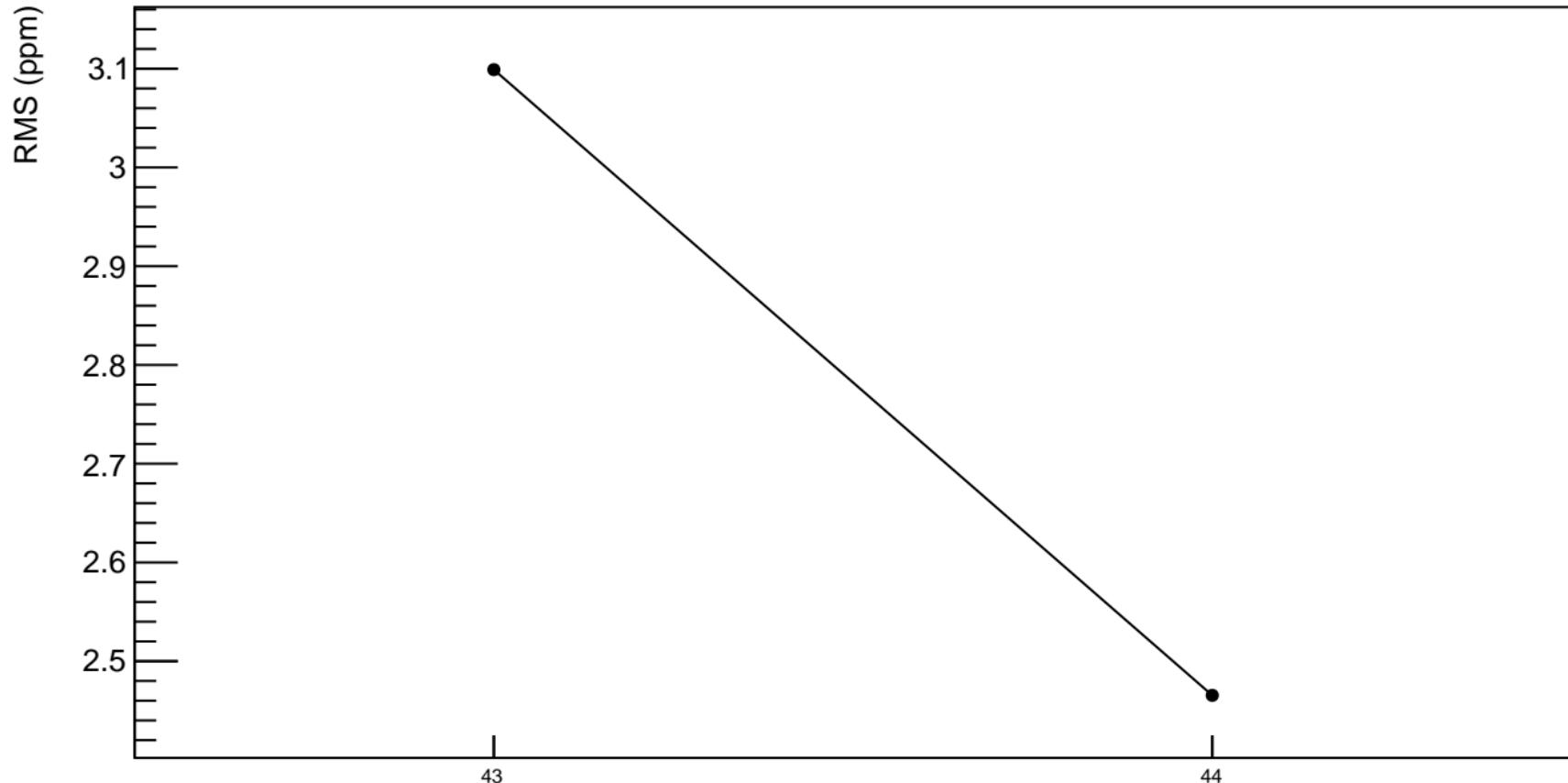
corr_us_dd_bpm16Y (ppb)



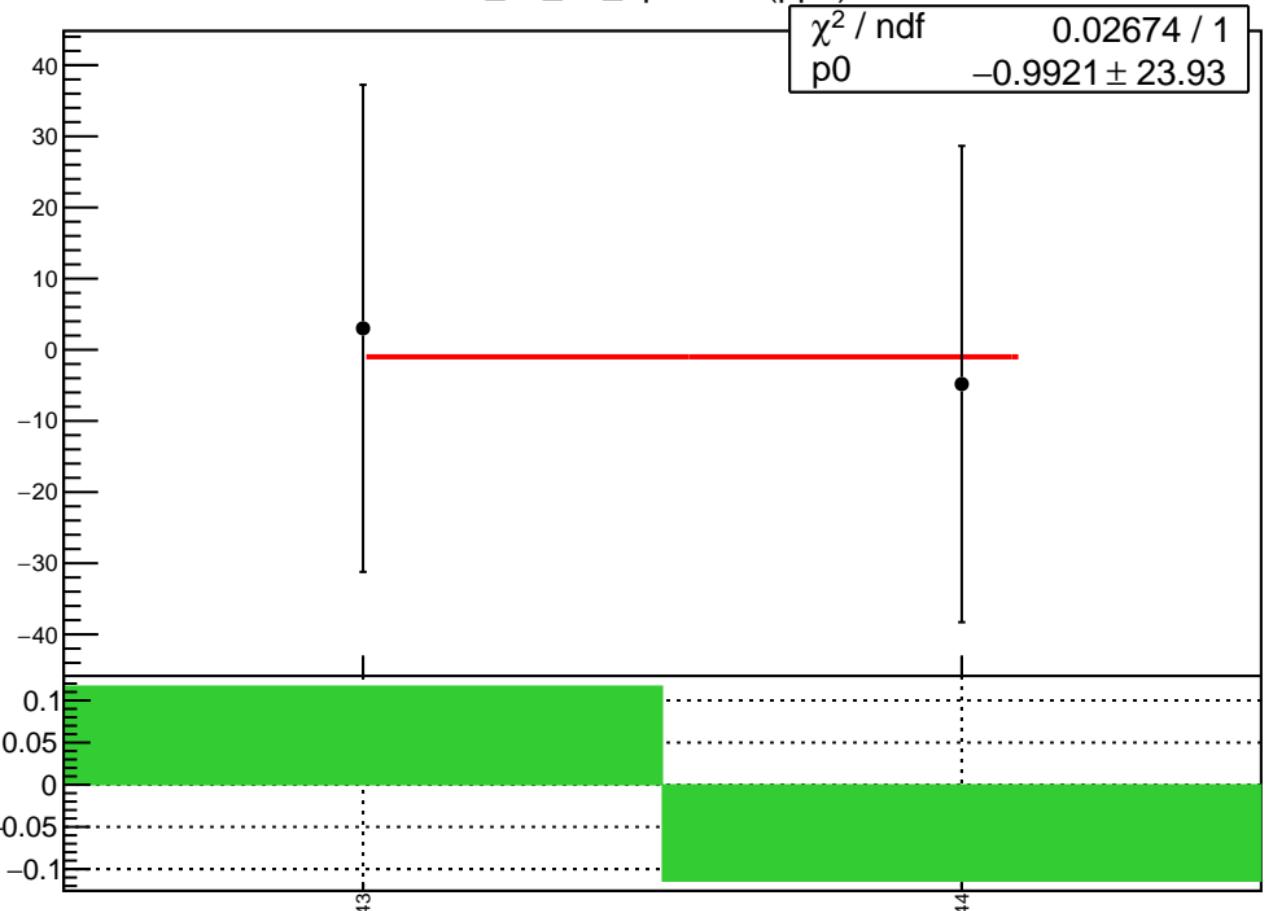
1D pull distribution



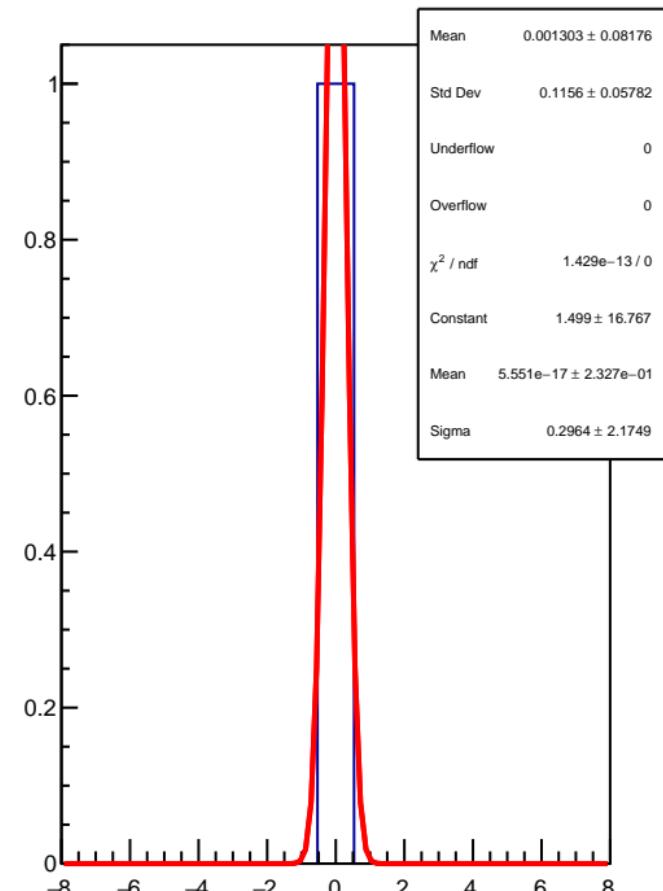
corr_us_dd_bpm16Y RMS (ppm)



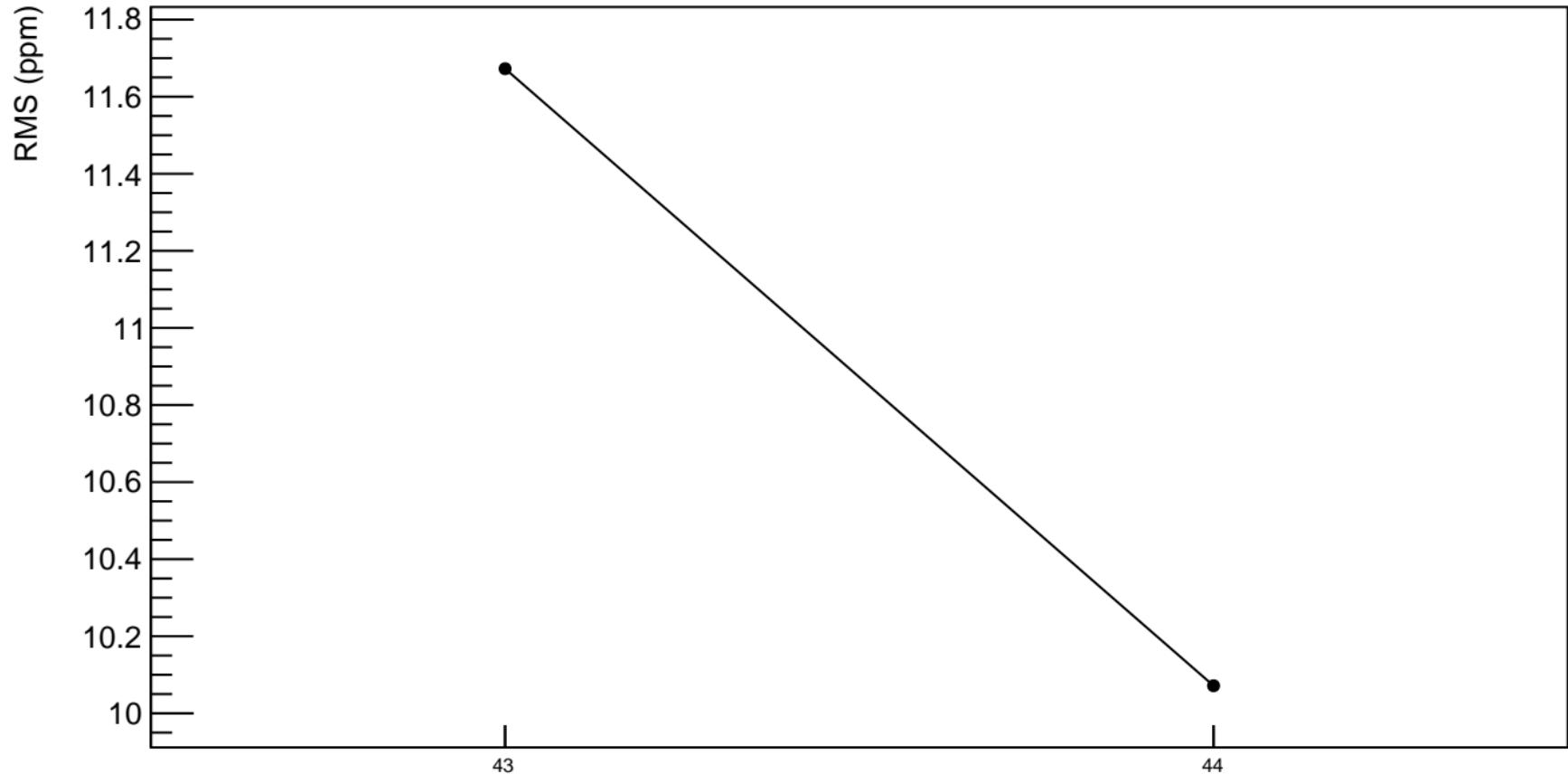
corr_us_dd_bpm12X (ppb)



1D pull distribution

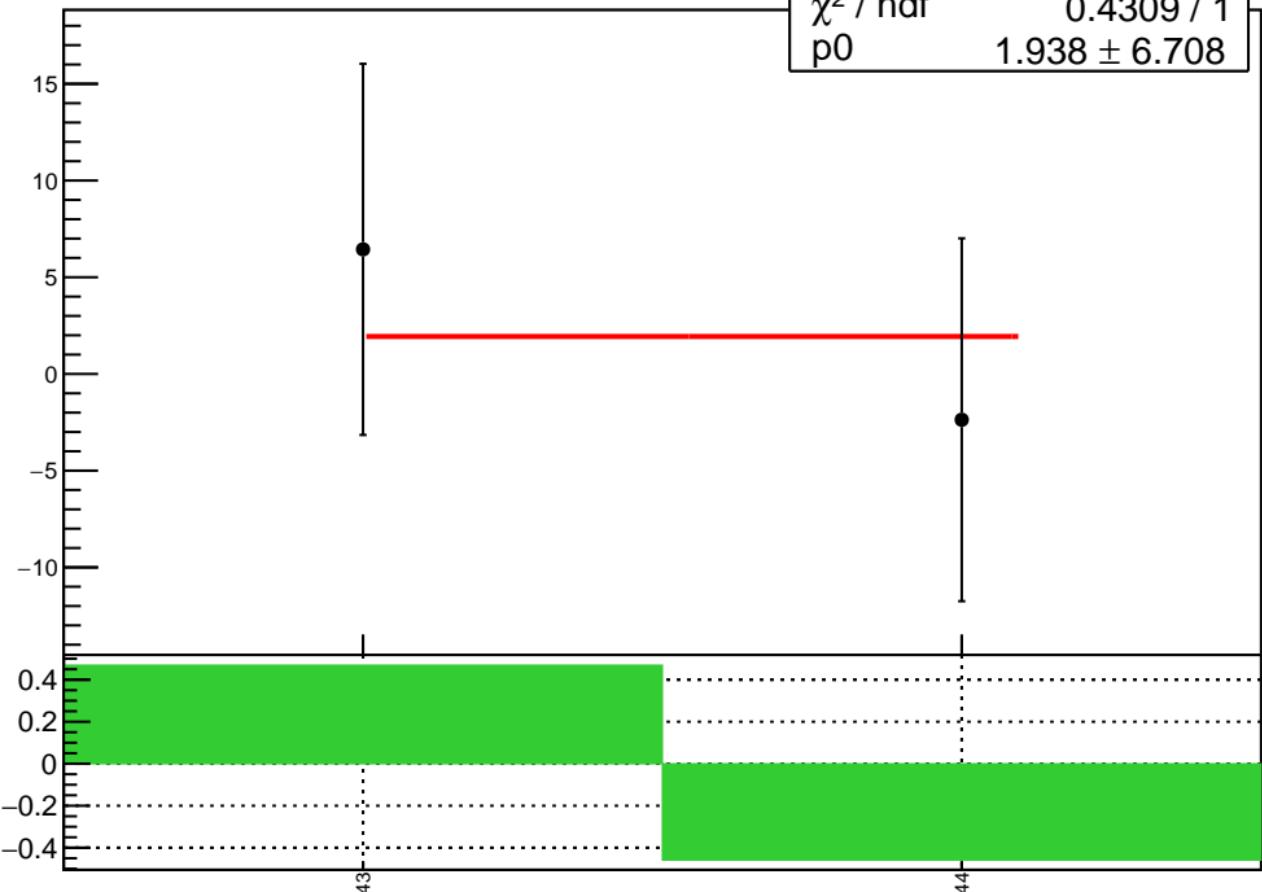


corr_us_dd_bpm12X RMS (ppm)

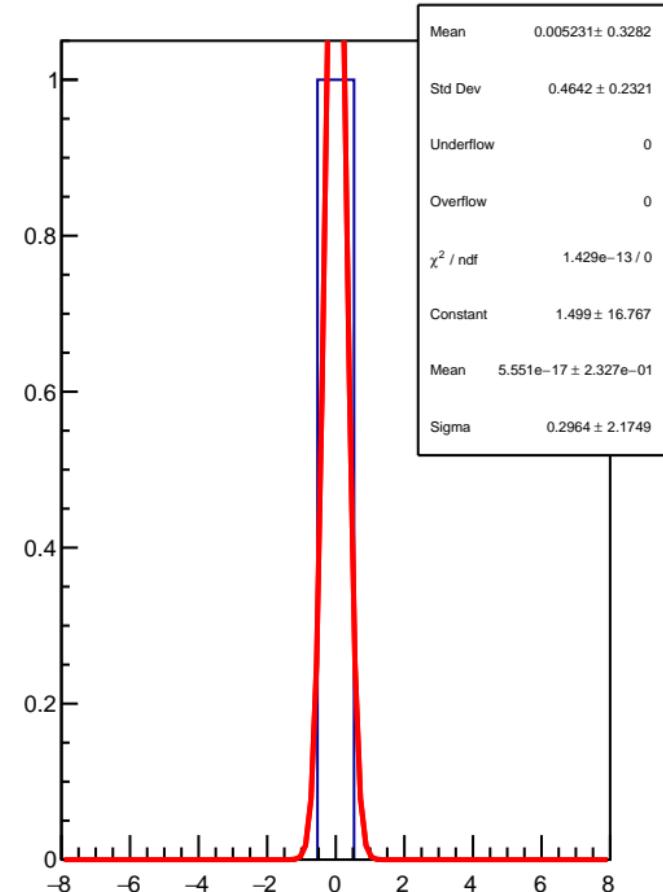


corr_us_dd_bpm12Y (ppb)

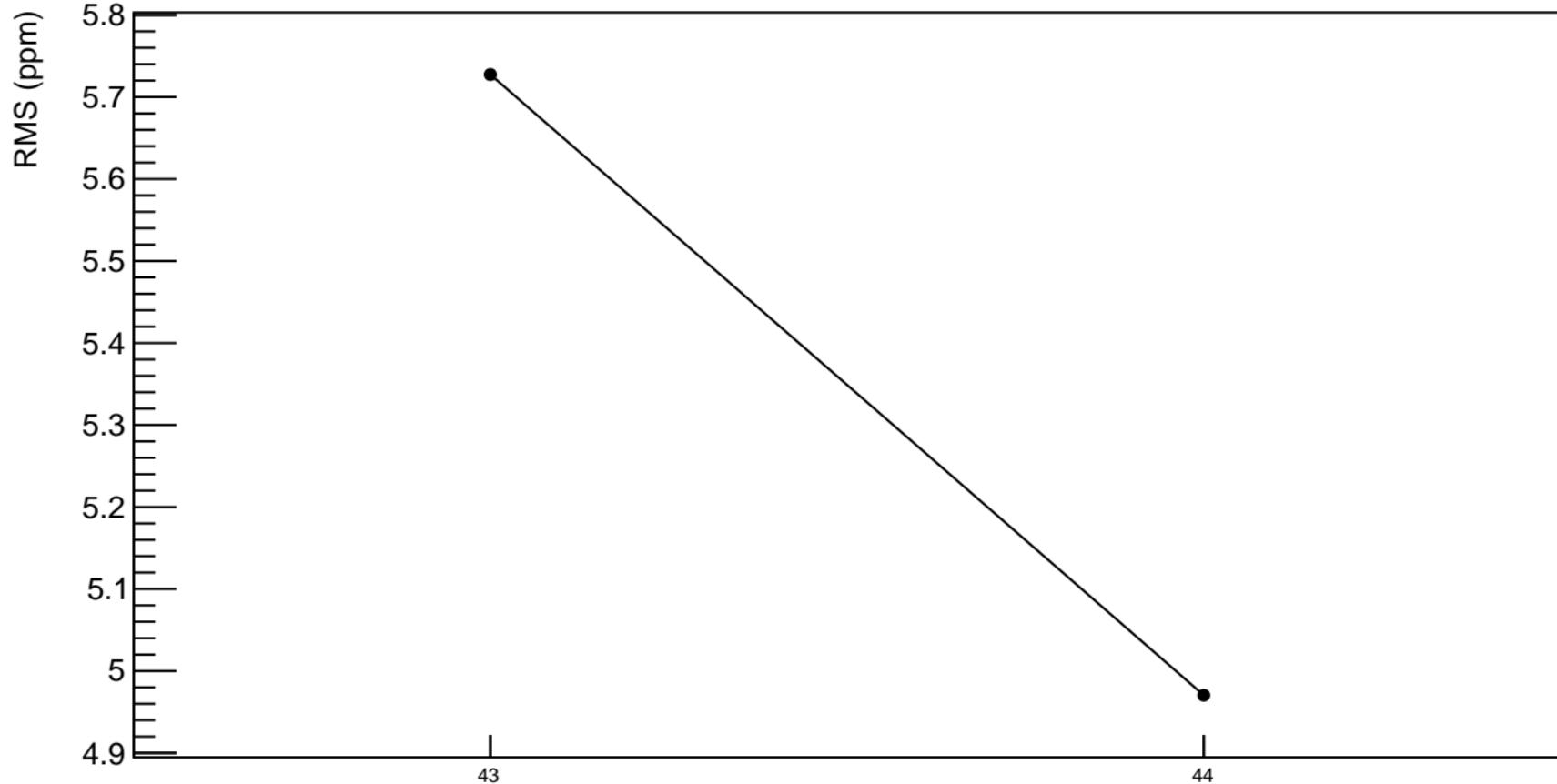
χ^2 / ndf 0.4309 / 1
p0 1.938 ± 6.708



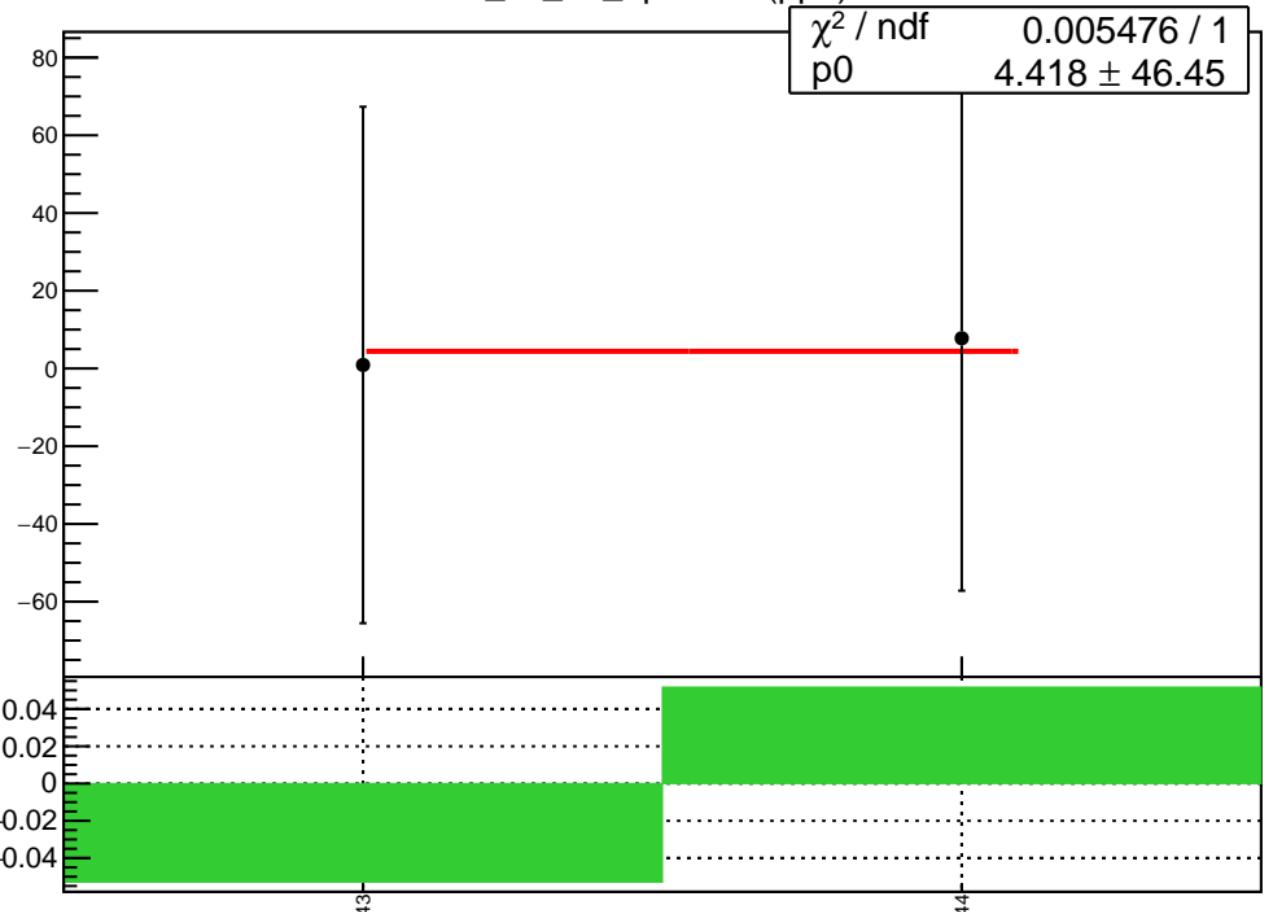
1D pull distribution



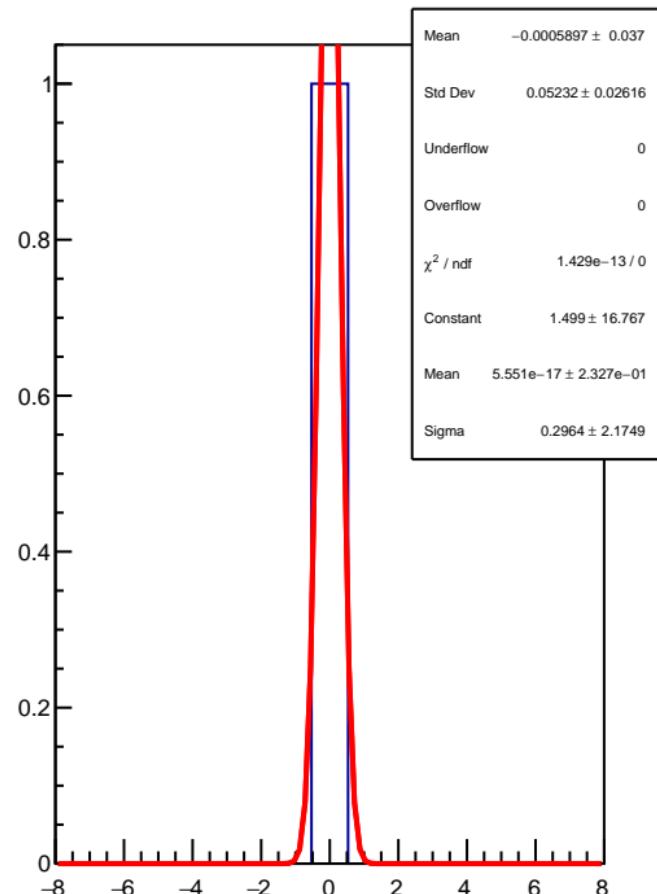
corr_us_dd_bpm12Y RMS (ppm)



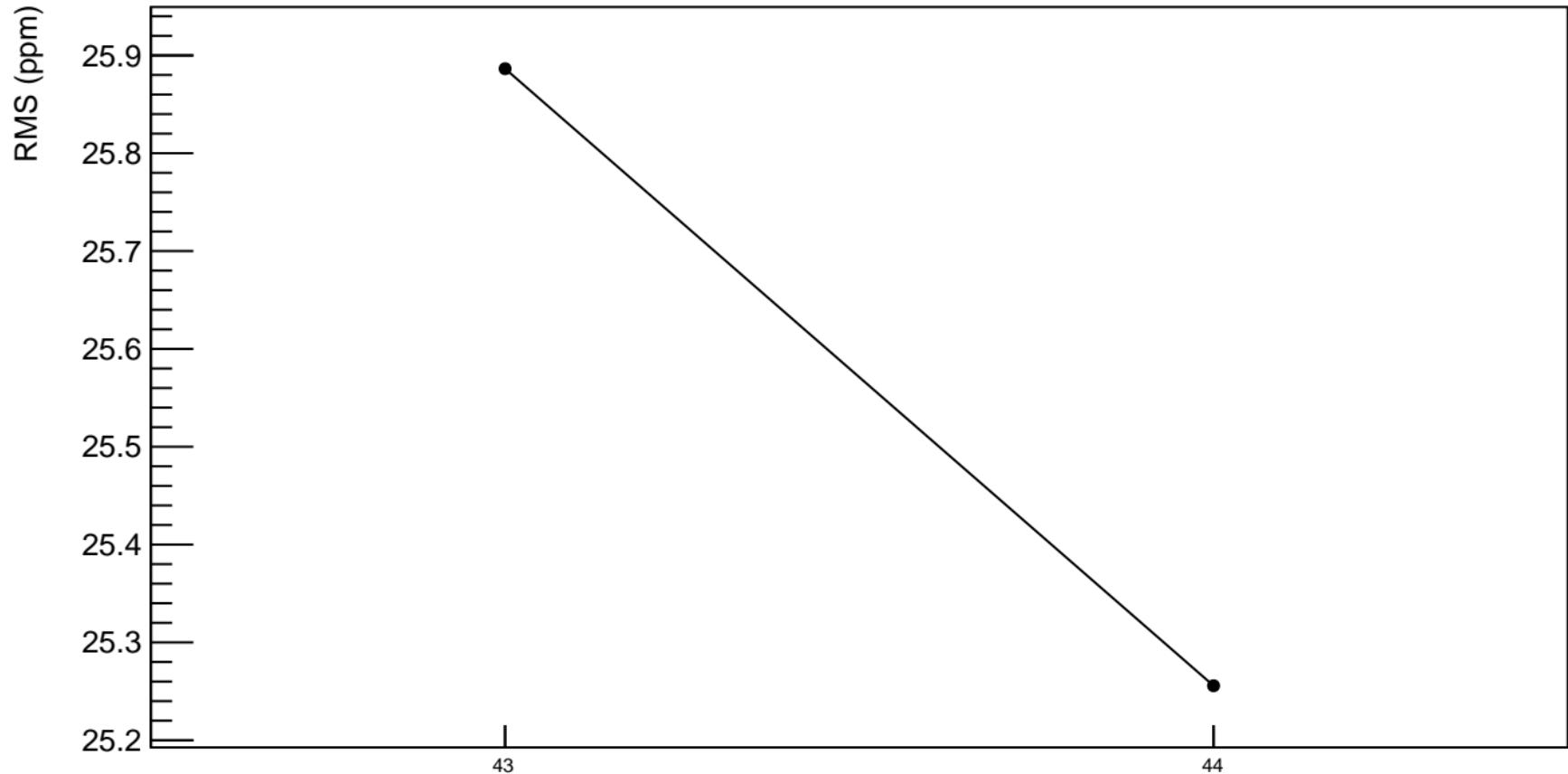
corr_us_dd_bpm11X (ppb)



1D pull distribution

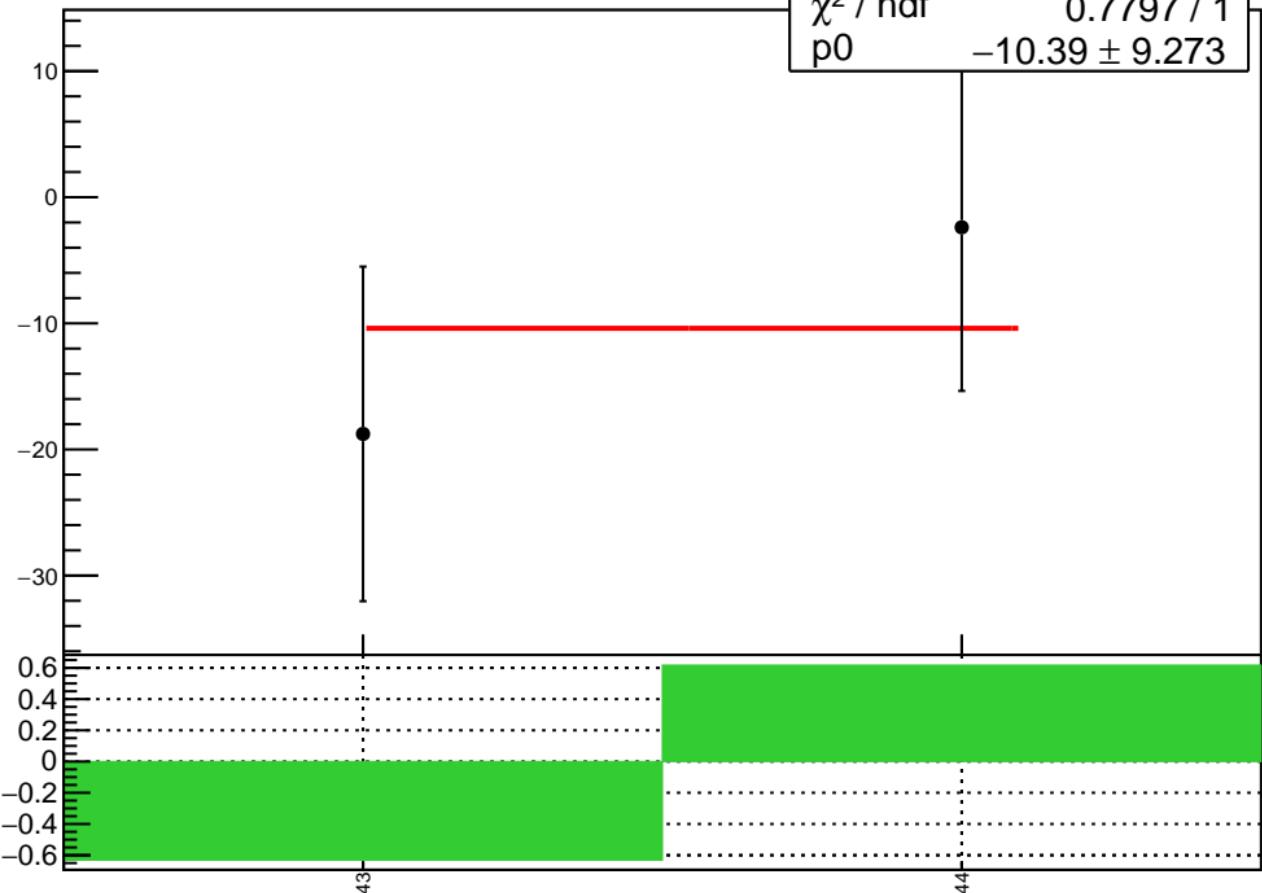


corr_us_dd_bpm11X RMS (ppm)

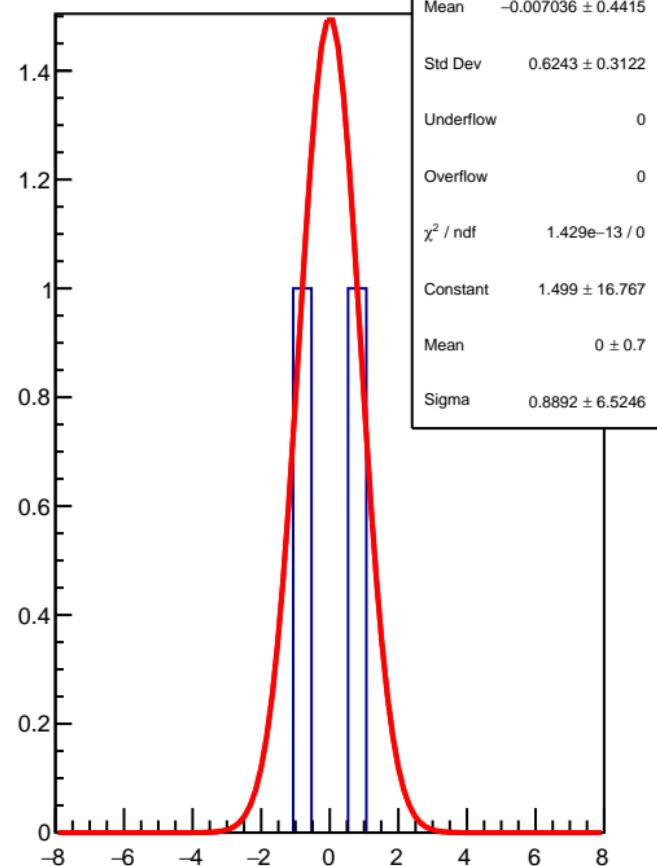


corr_us_dd_bpm11Y (ppb)

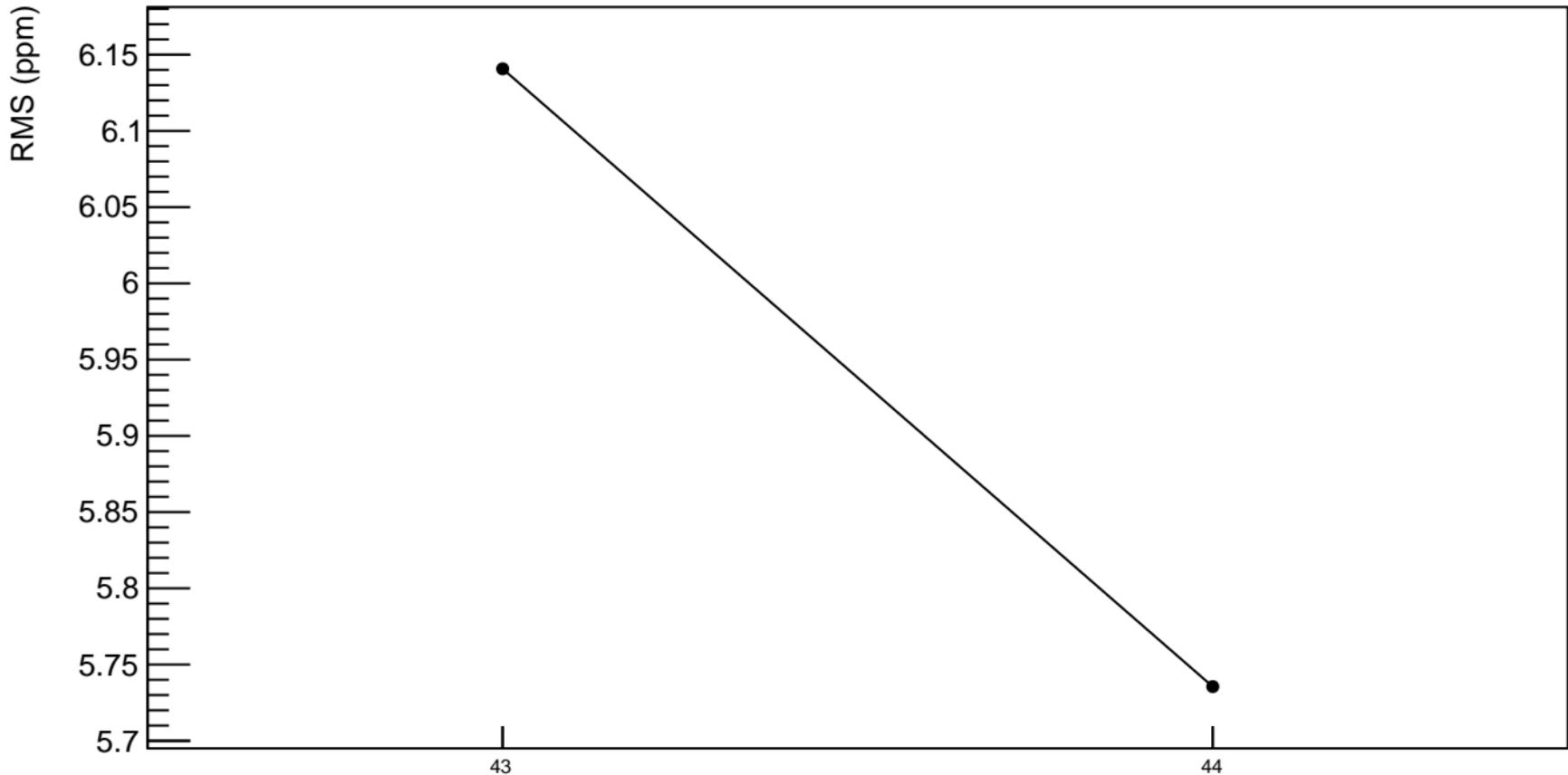
χ^2 / ndf 0.7797 / 1
 p_0 -10.39 ± 9.273



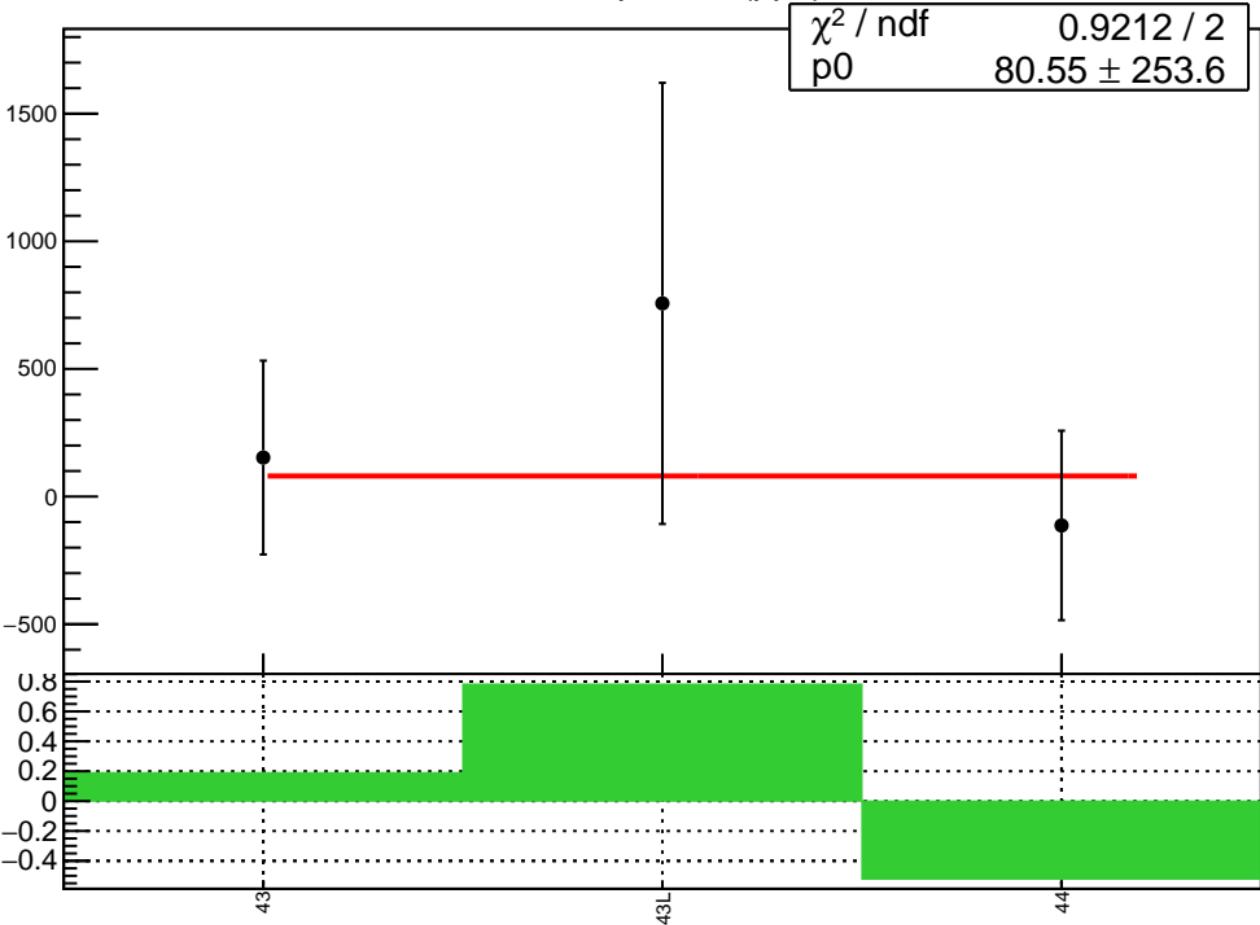
1D pull distribution



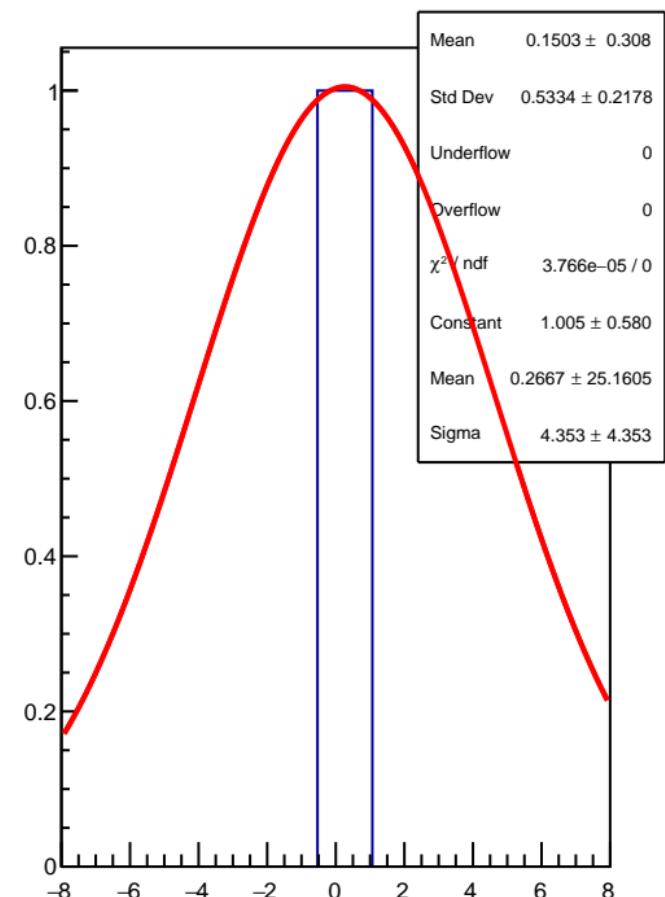
corr_us_dd_bpm11Y RMS (ppm)



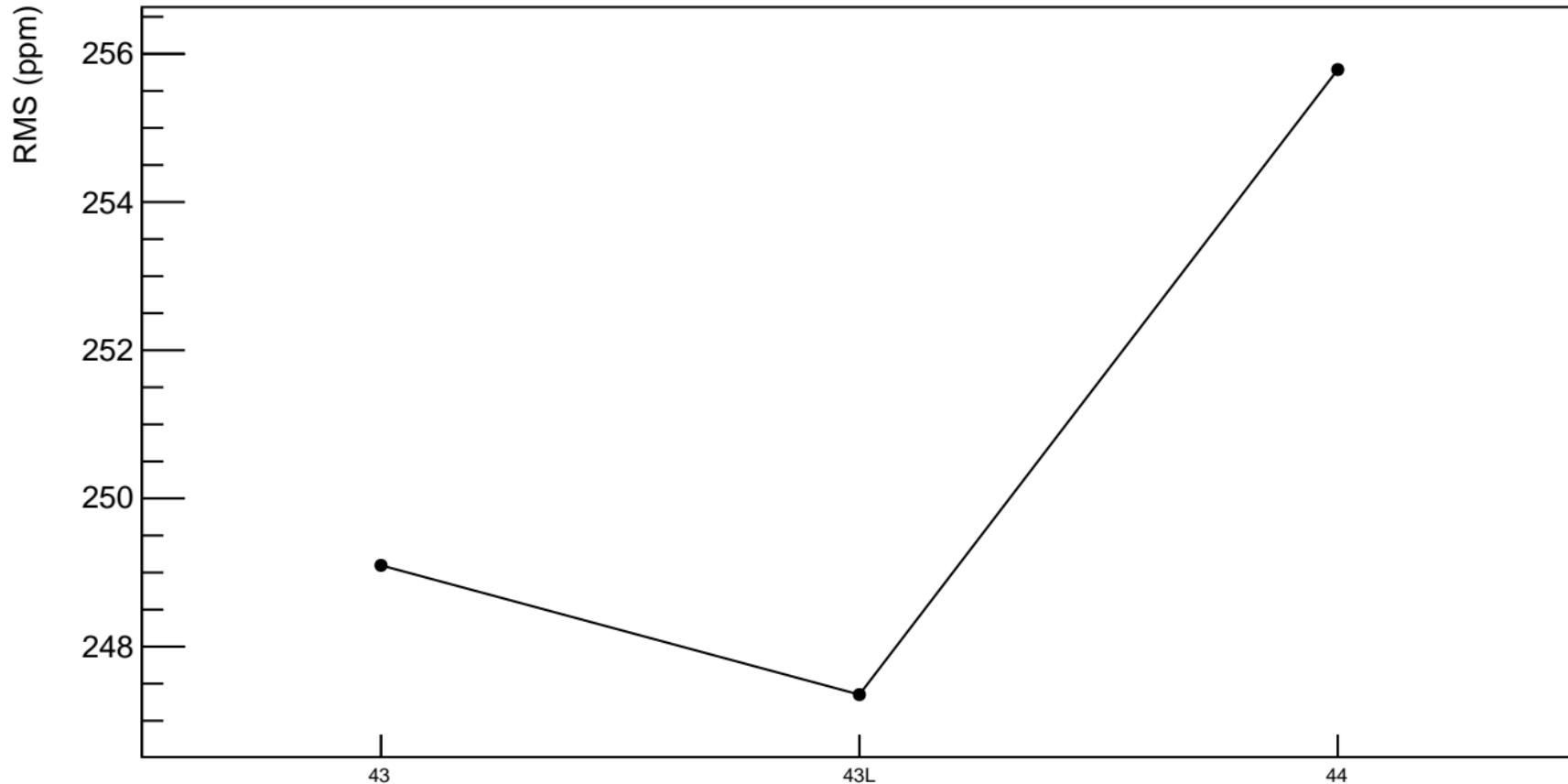
corr_usl_bpm4eX (ppb)



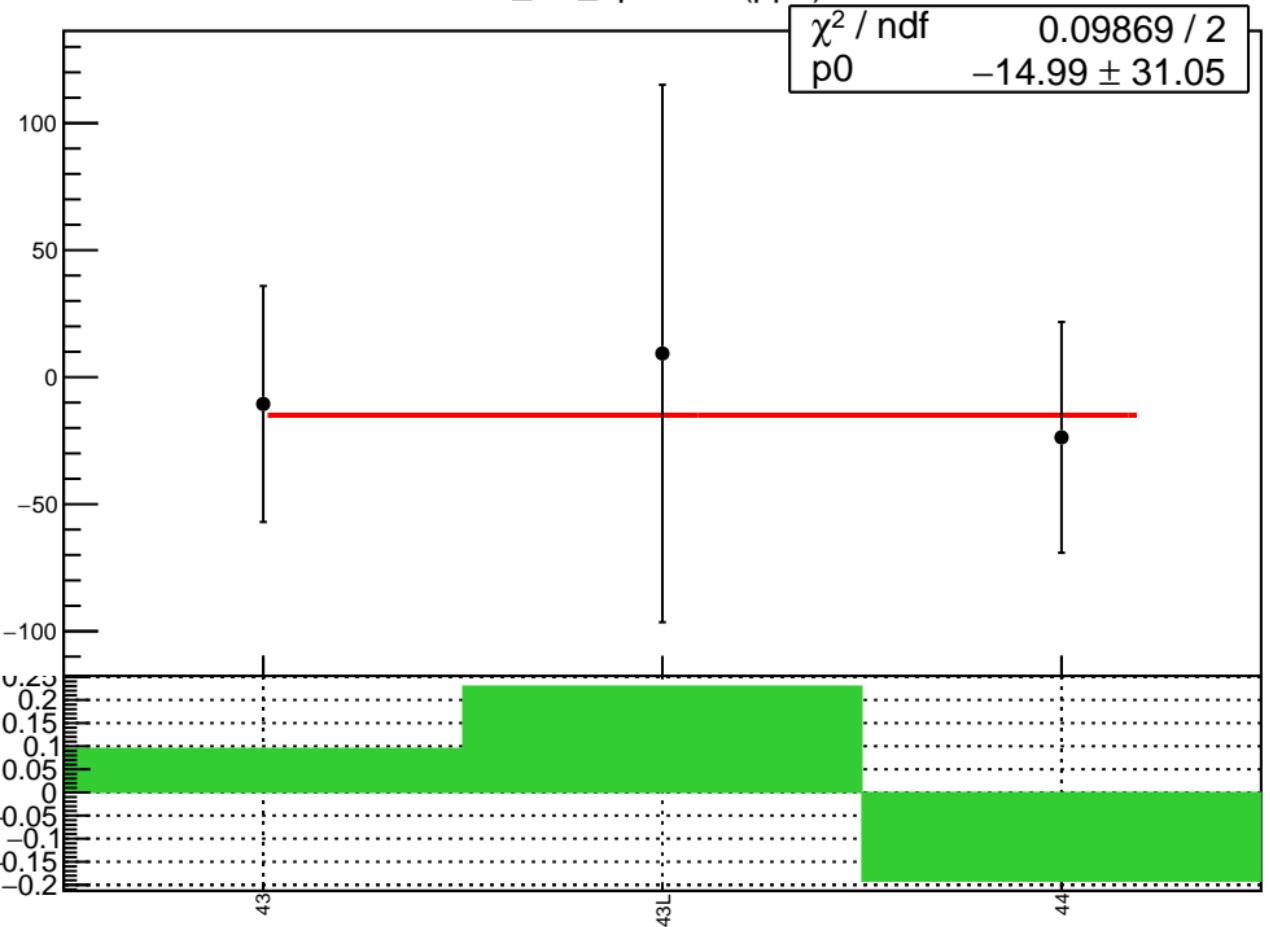
1D pull distribution



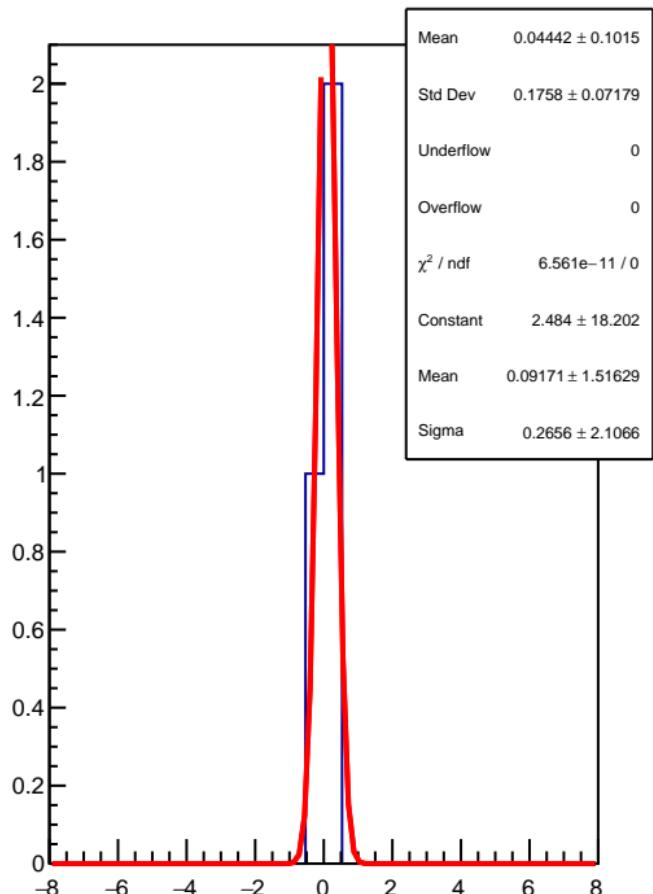
corr_usl_bpm4eX RMS (ppm)



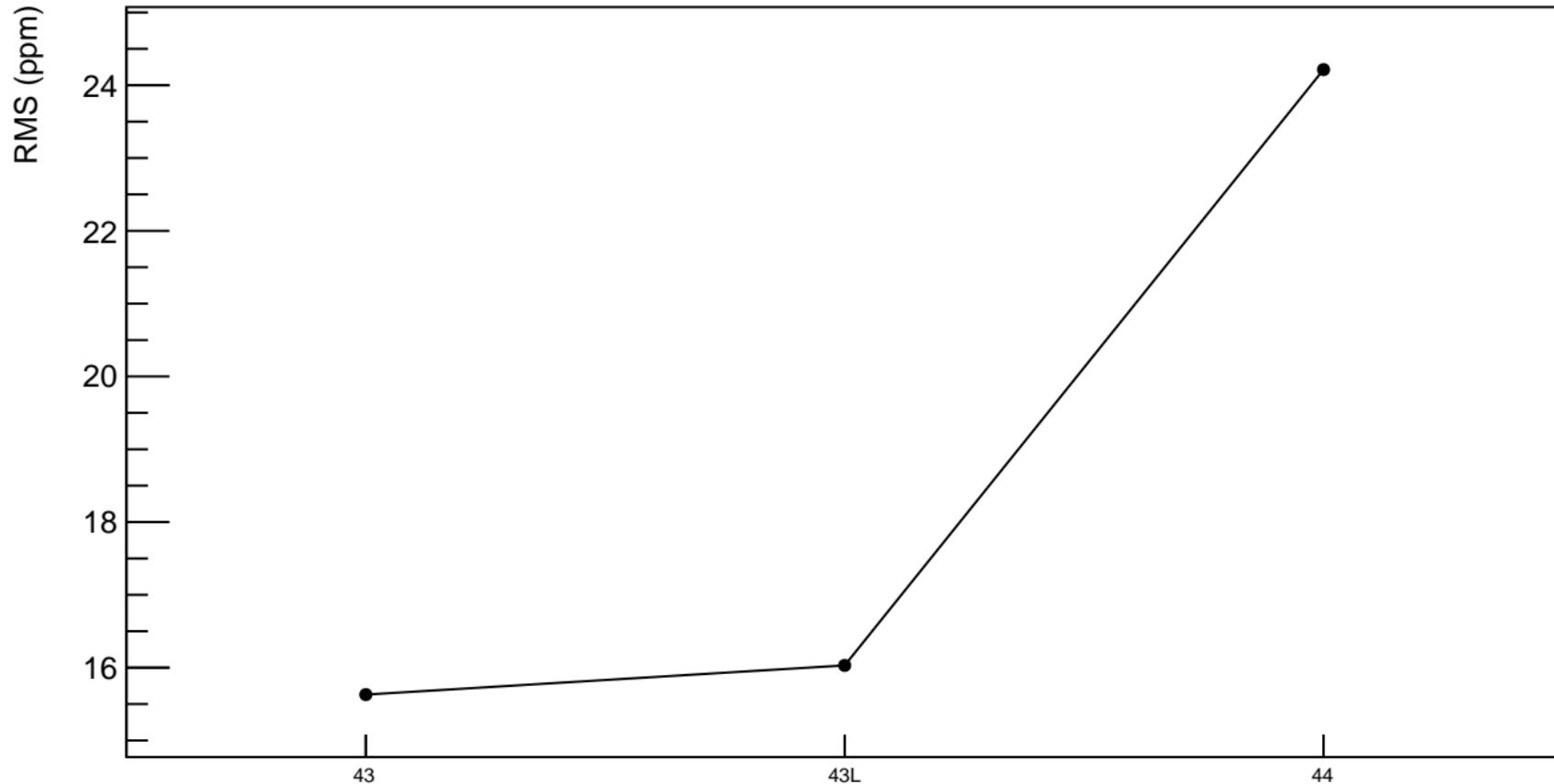
corr_usl_bpm4eY (ppb)



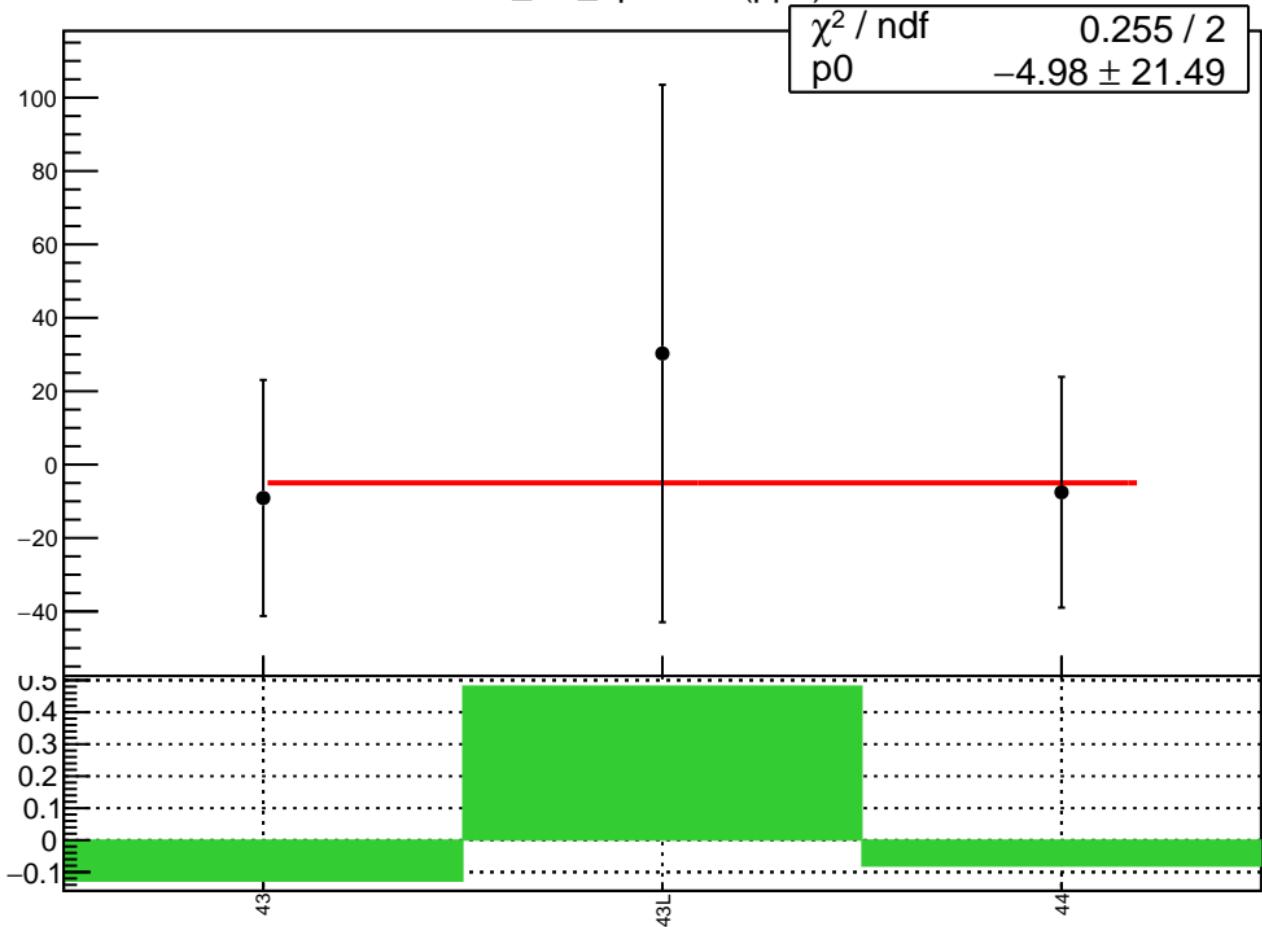
1D pull distribution



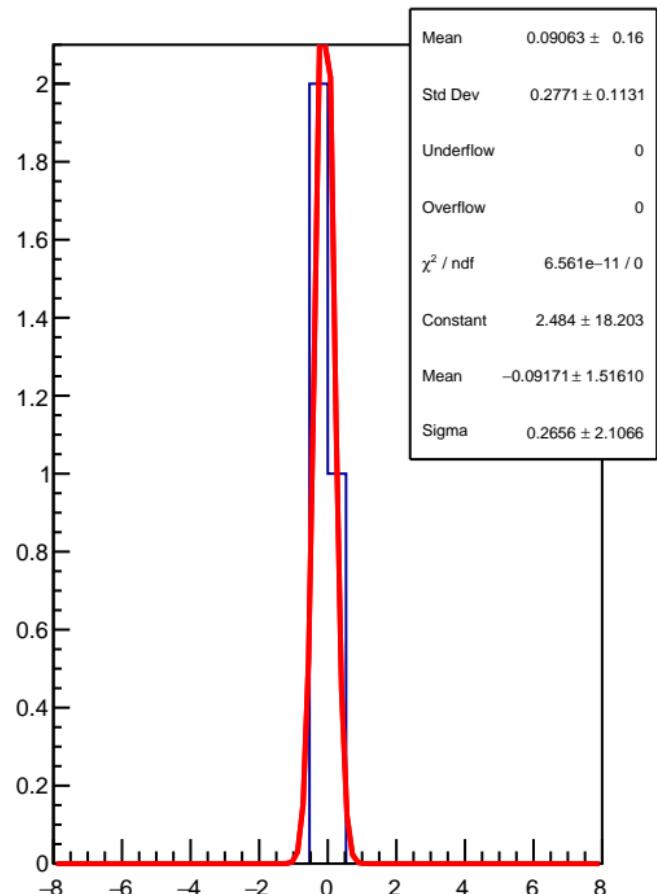
corr_usl_bpm4eY RMS (ppm)



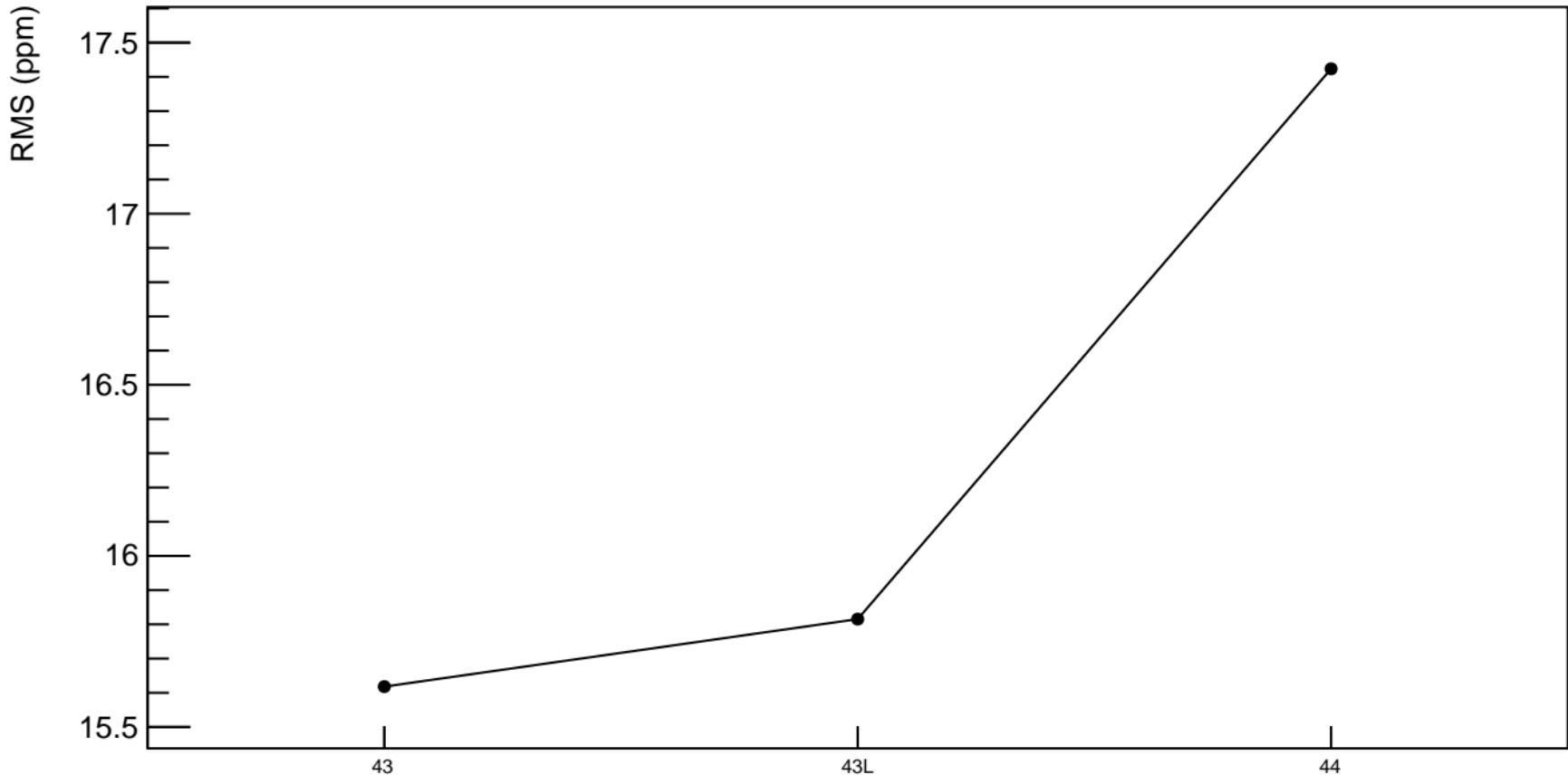
corr_usl_bpm4aX (ppb)



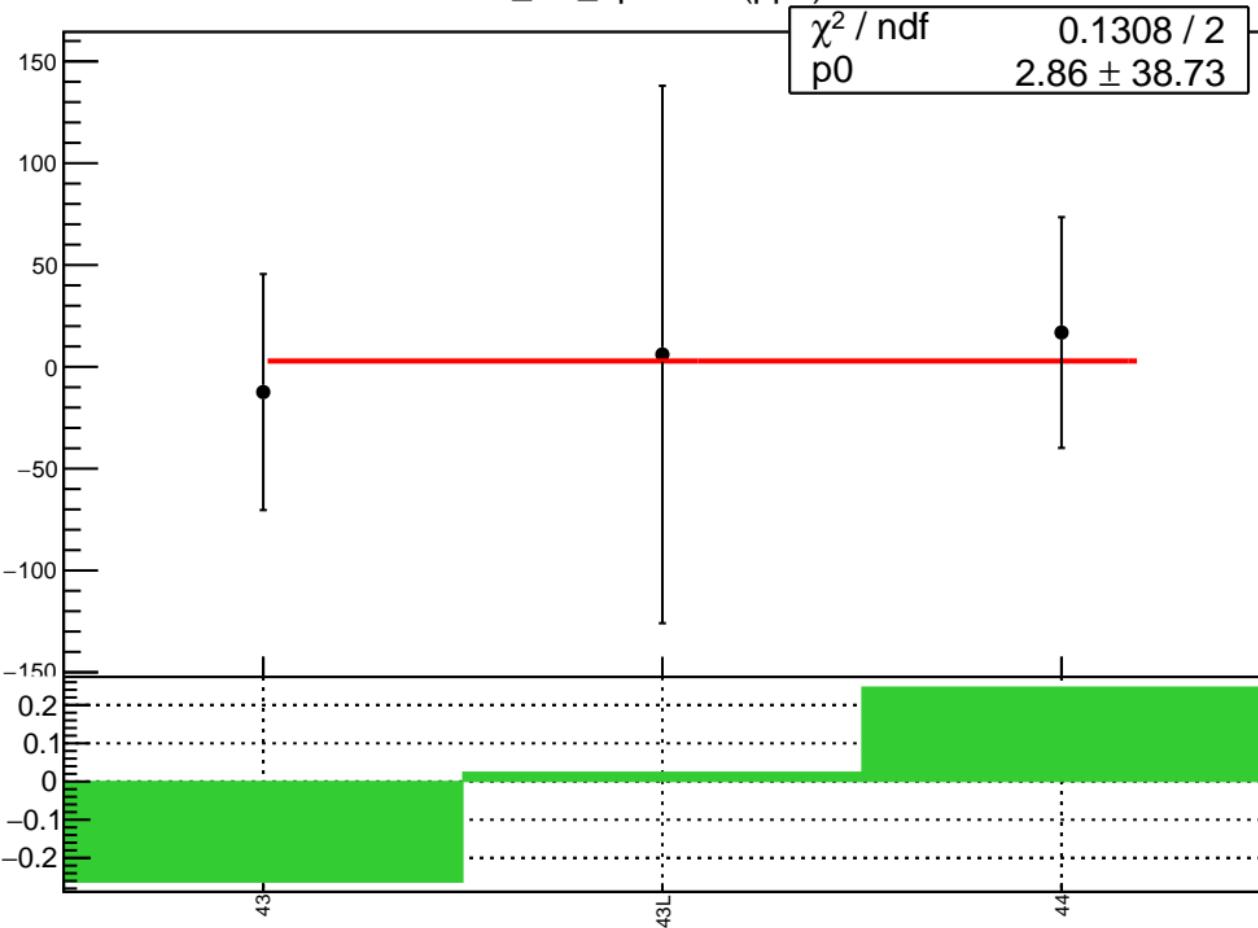
1D pull distribution



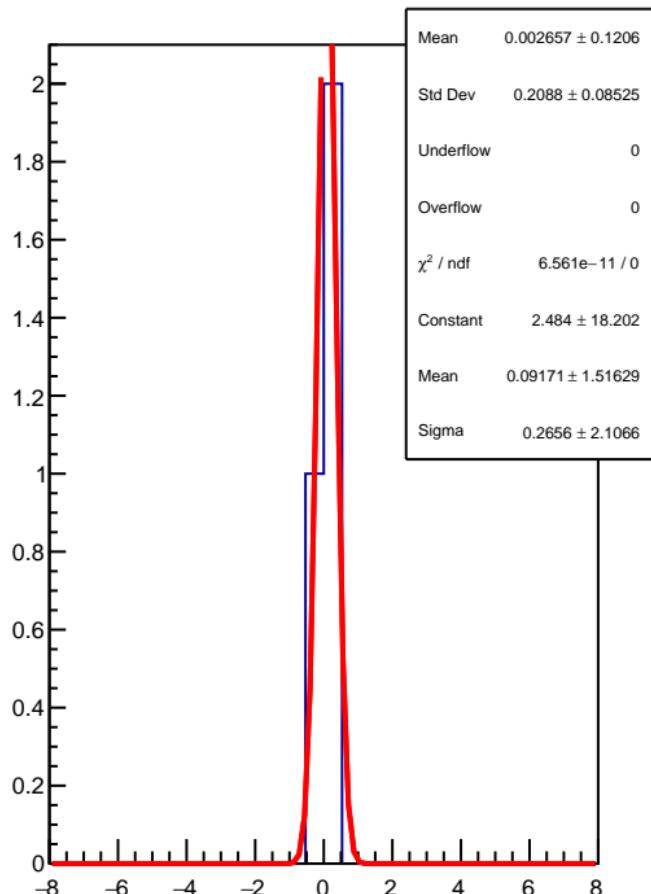
corr_usl_bpm4aX RMS (ppm)



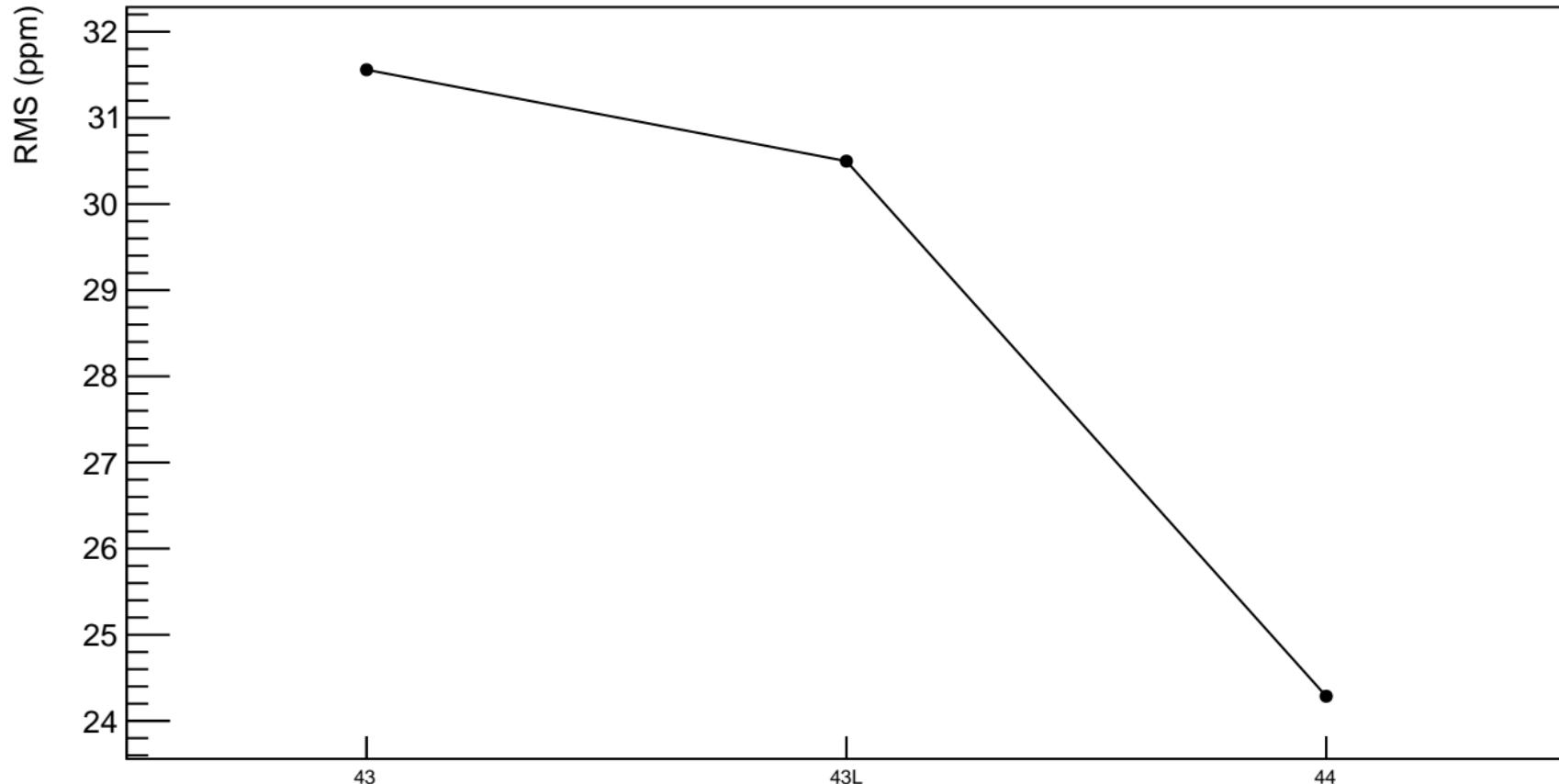
corr_usl_bpm4aY (ppb)



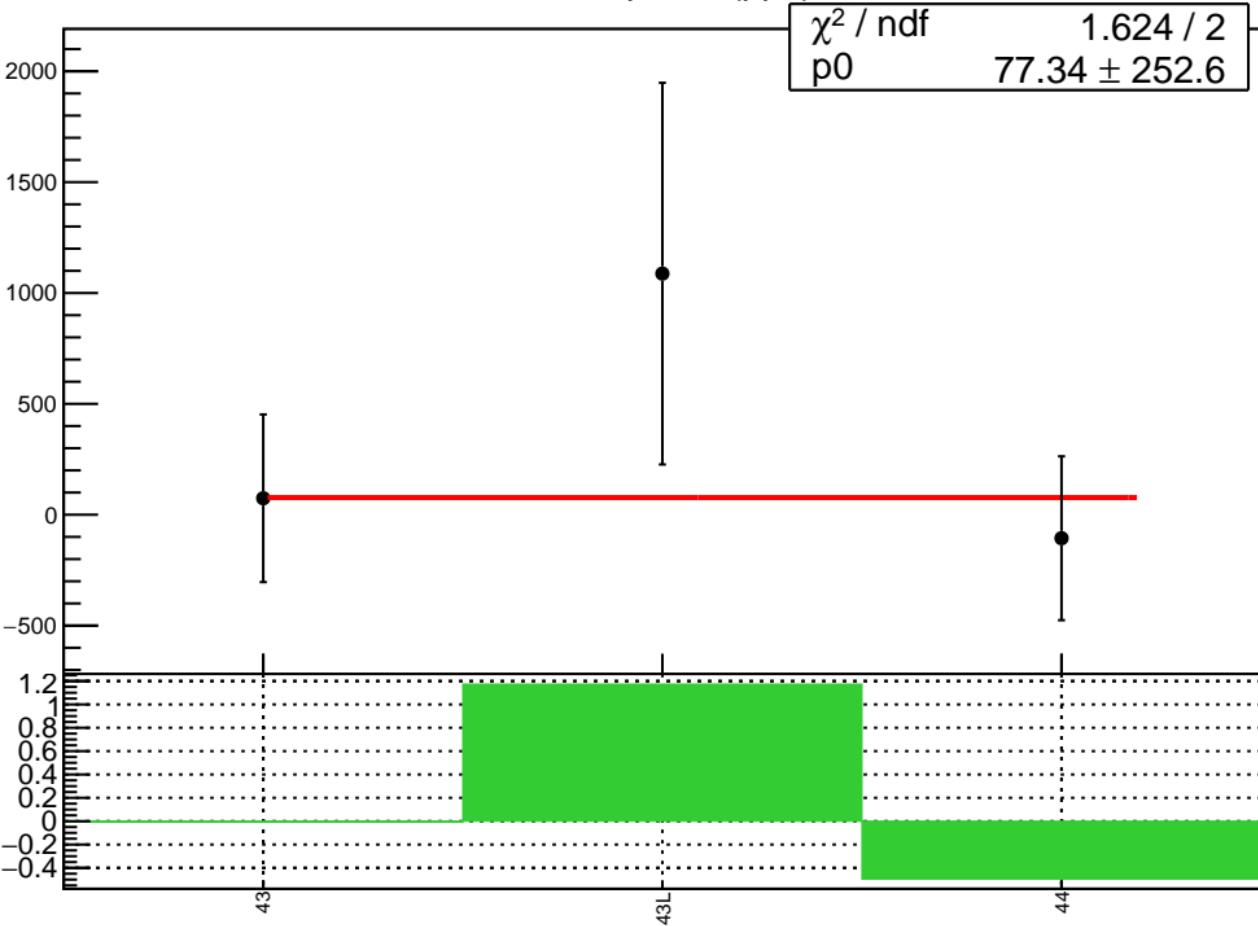
1D pull distribution



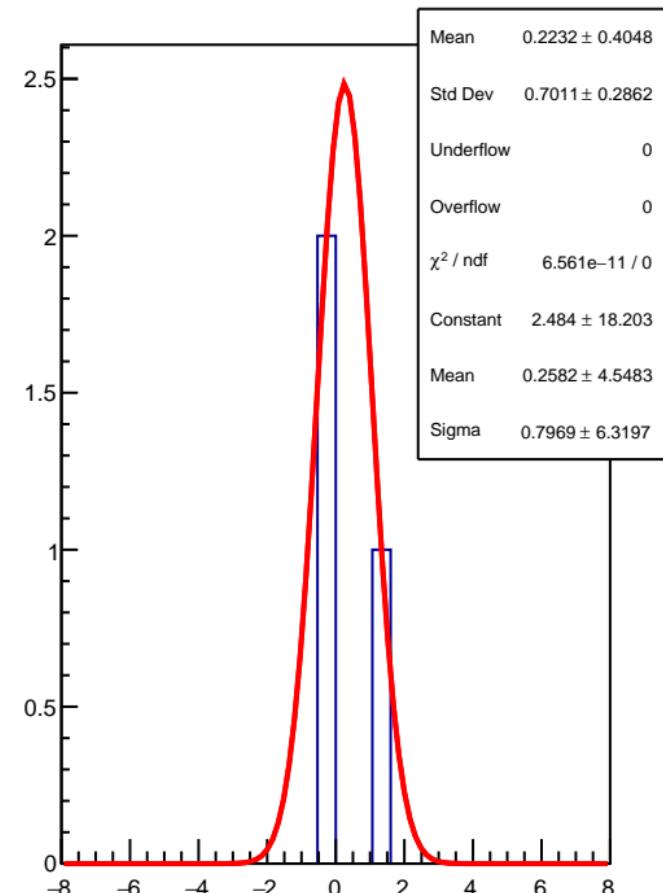
corr_usl_bpm4aY RMS (ppm)



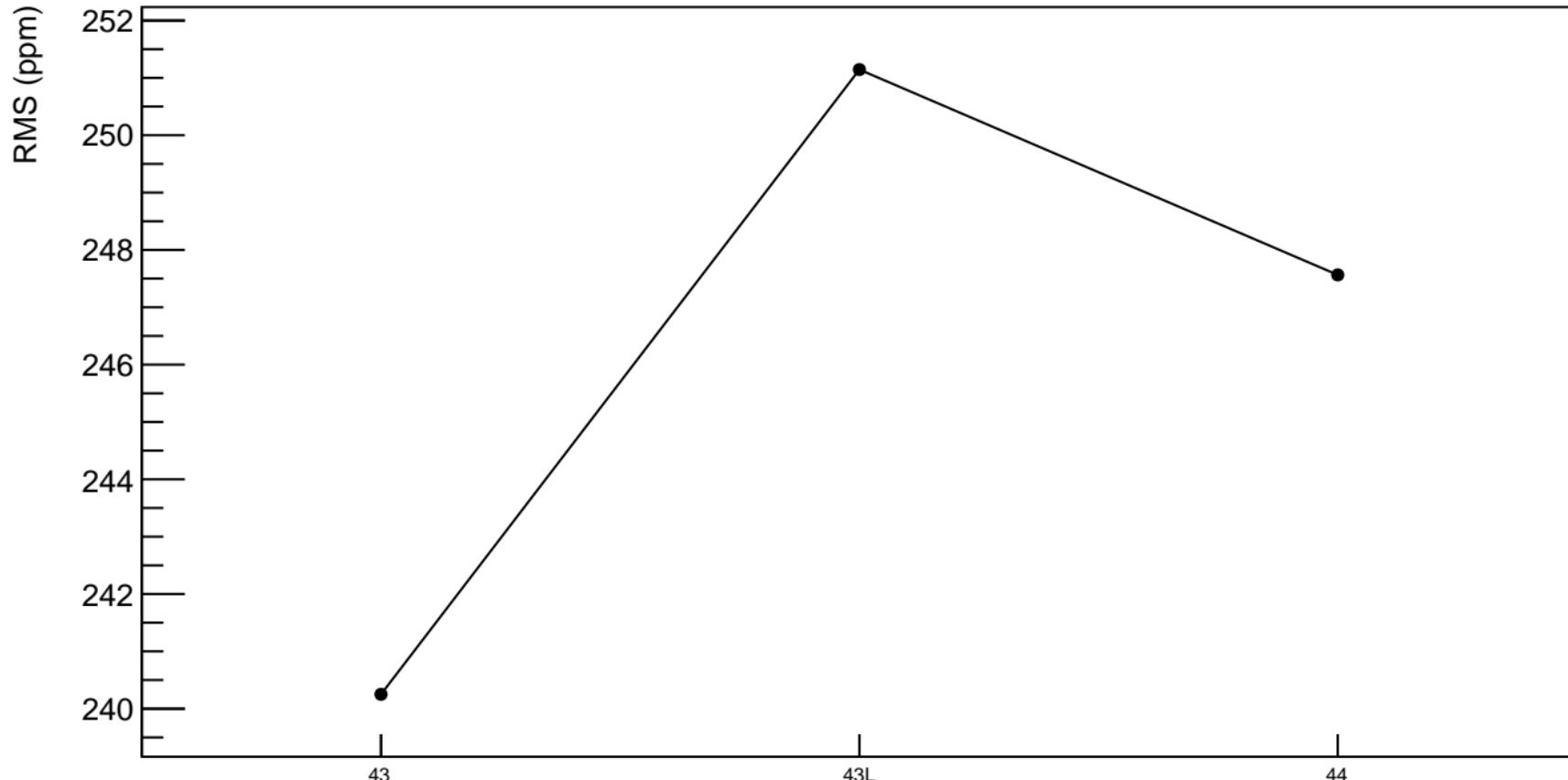
corr_usl_bpm1X (ppb)



1D pull distribution

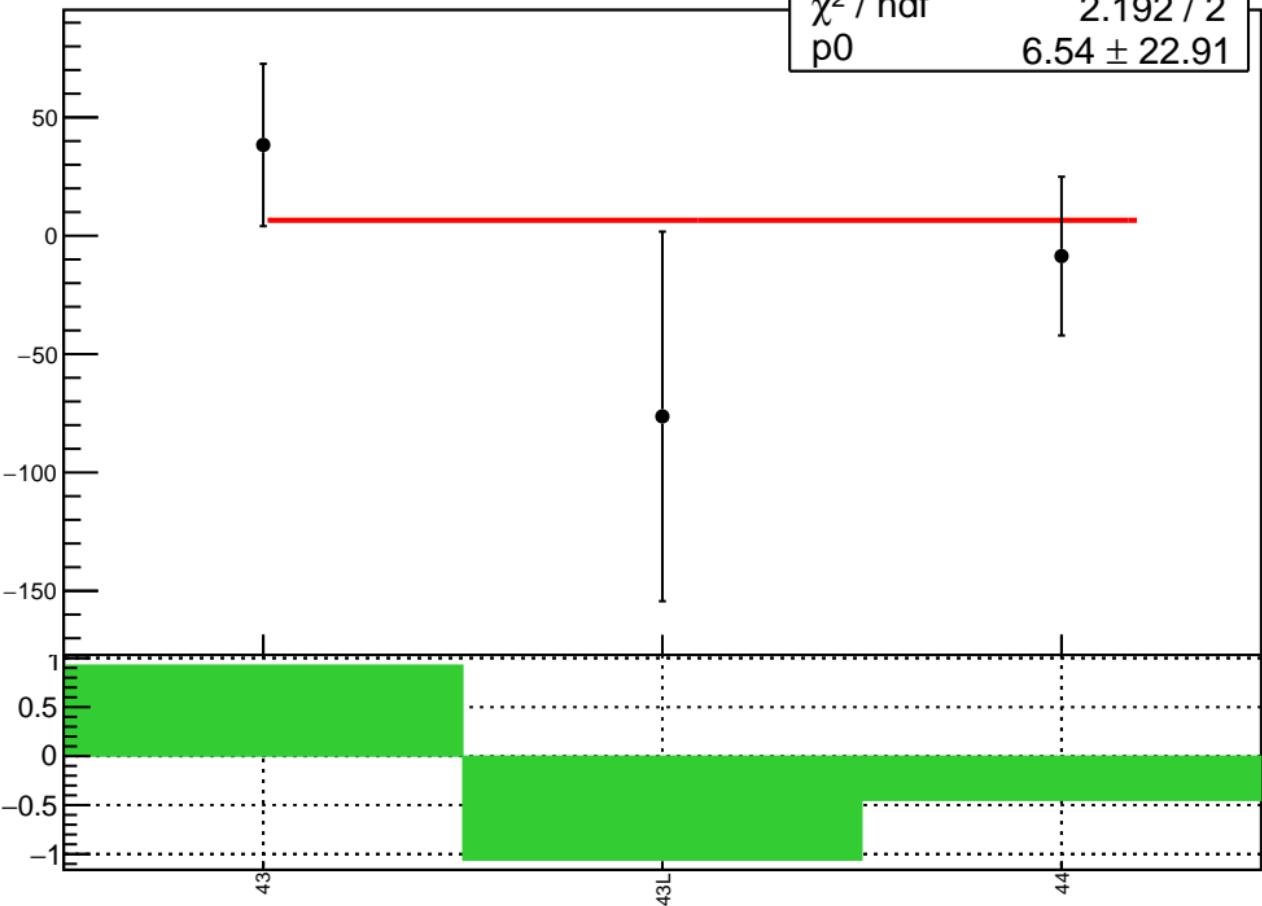


corr_usl_bpm1X RMS (ppm)

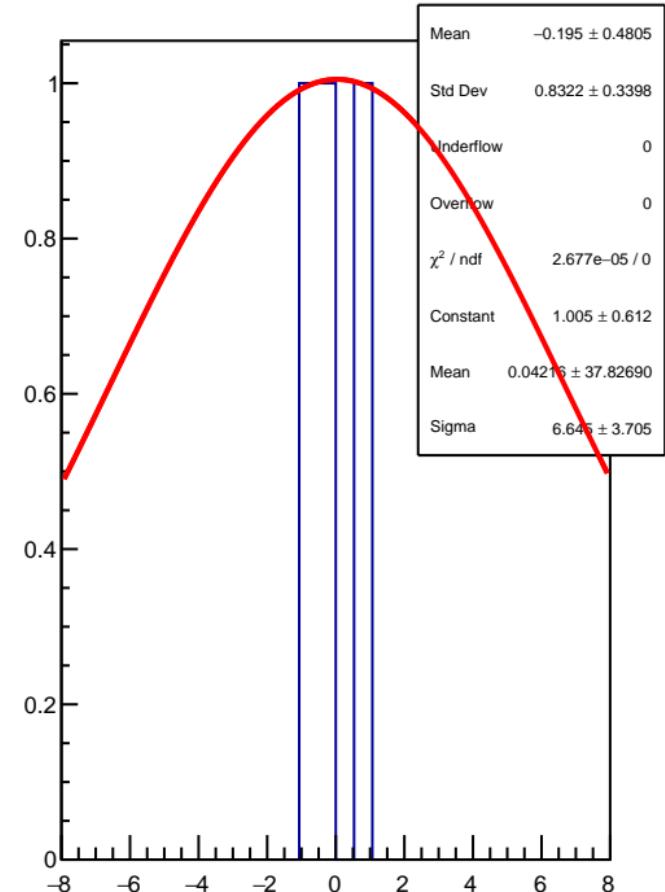


corr_usl_bpm1Y (ppb)

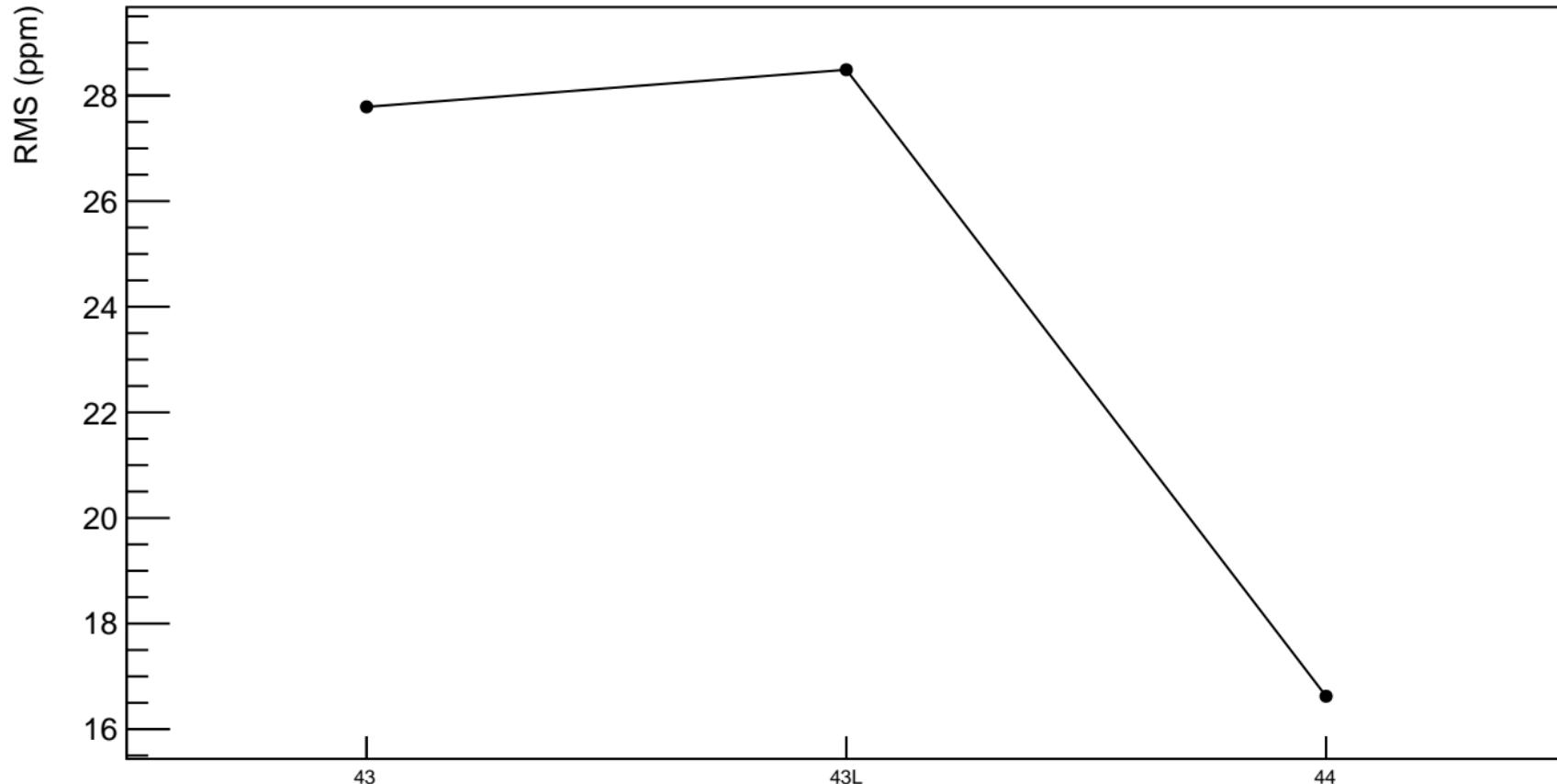
χ^2 / ndf 2.192 / 2
p0 6.54 ± 22.91



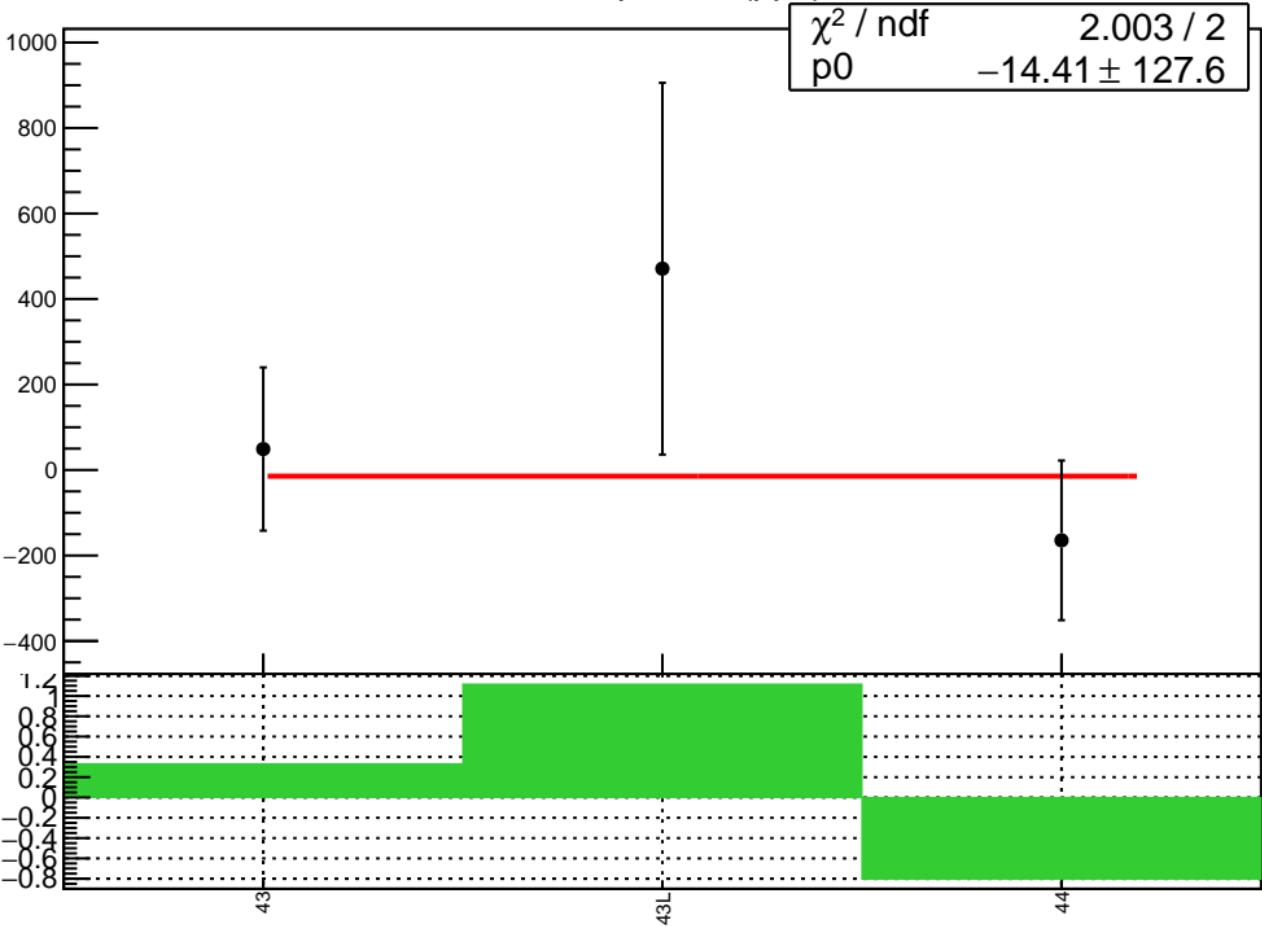
1D pull distribution



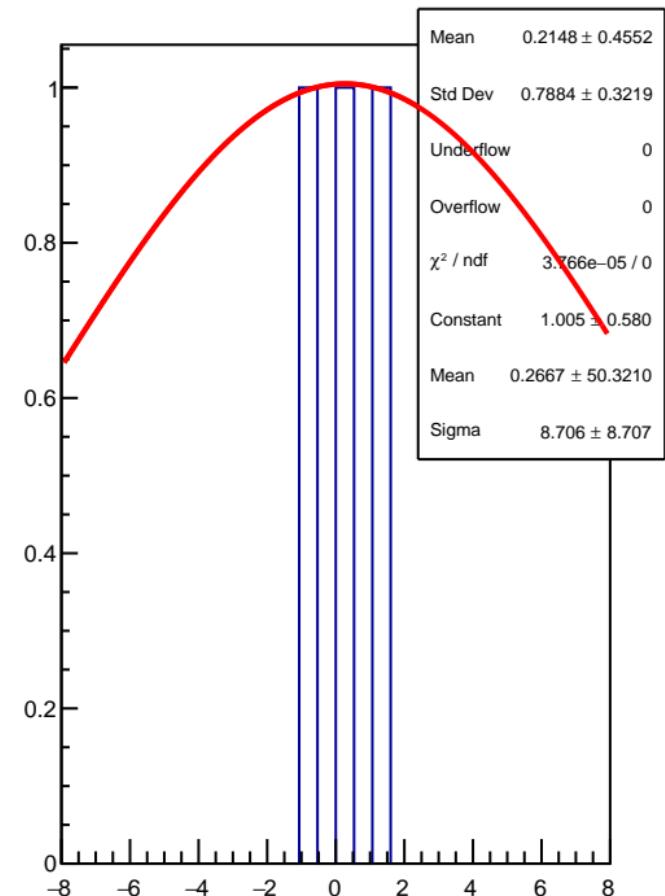
corr_usl_bpm1Y RMS (ppm)



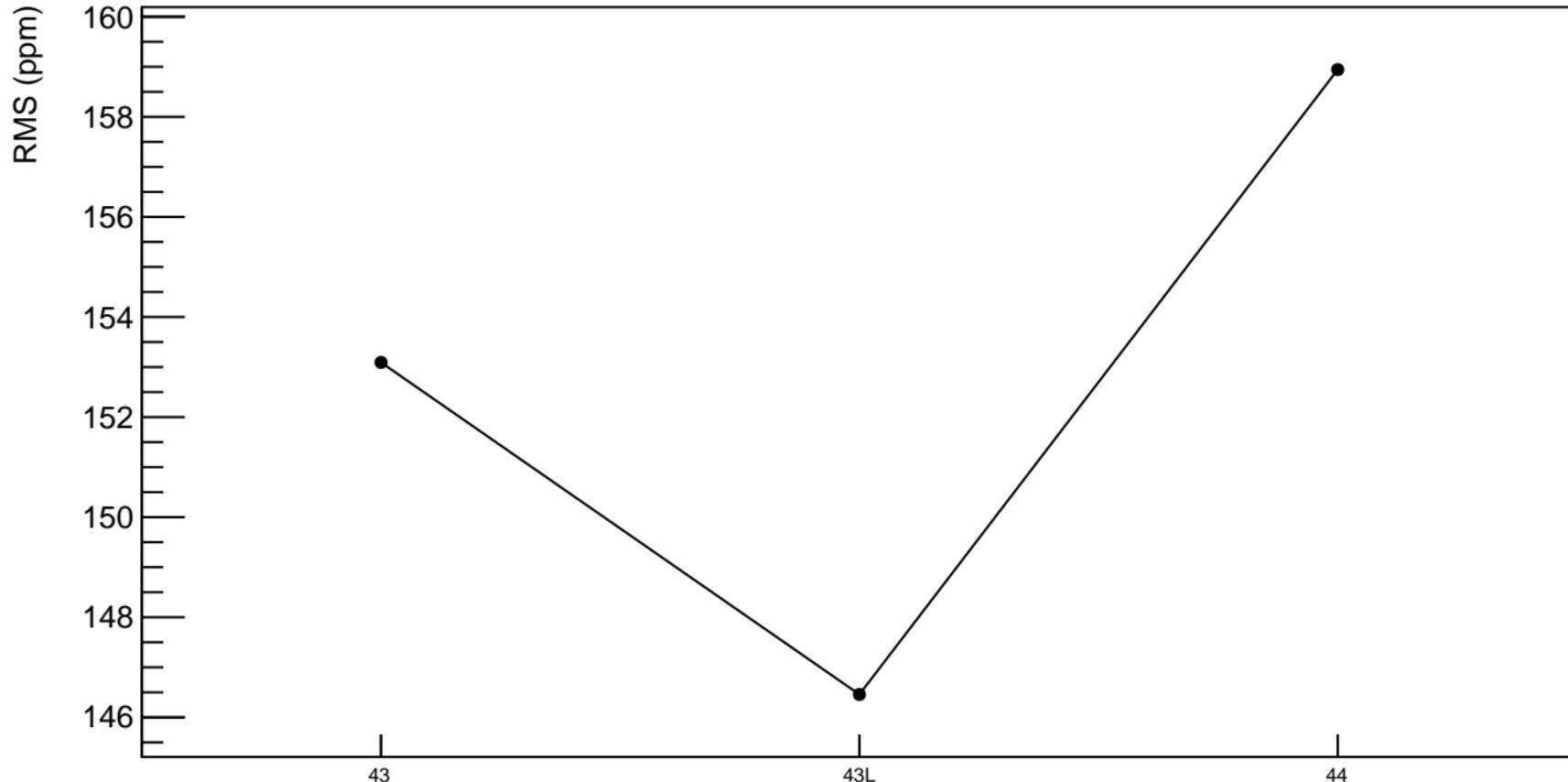
corr_usl_bpm16X (ppb)



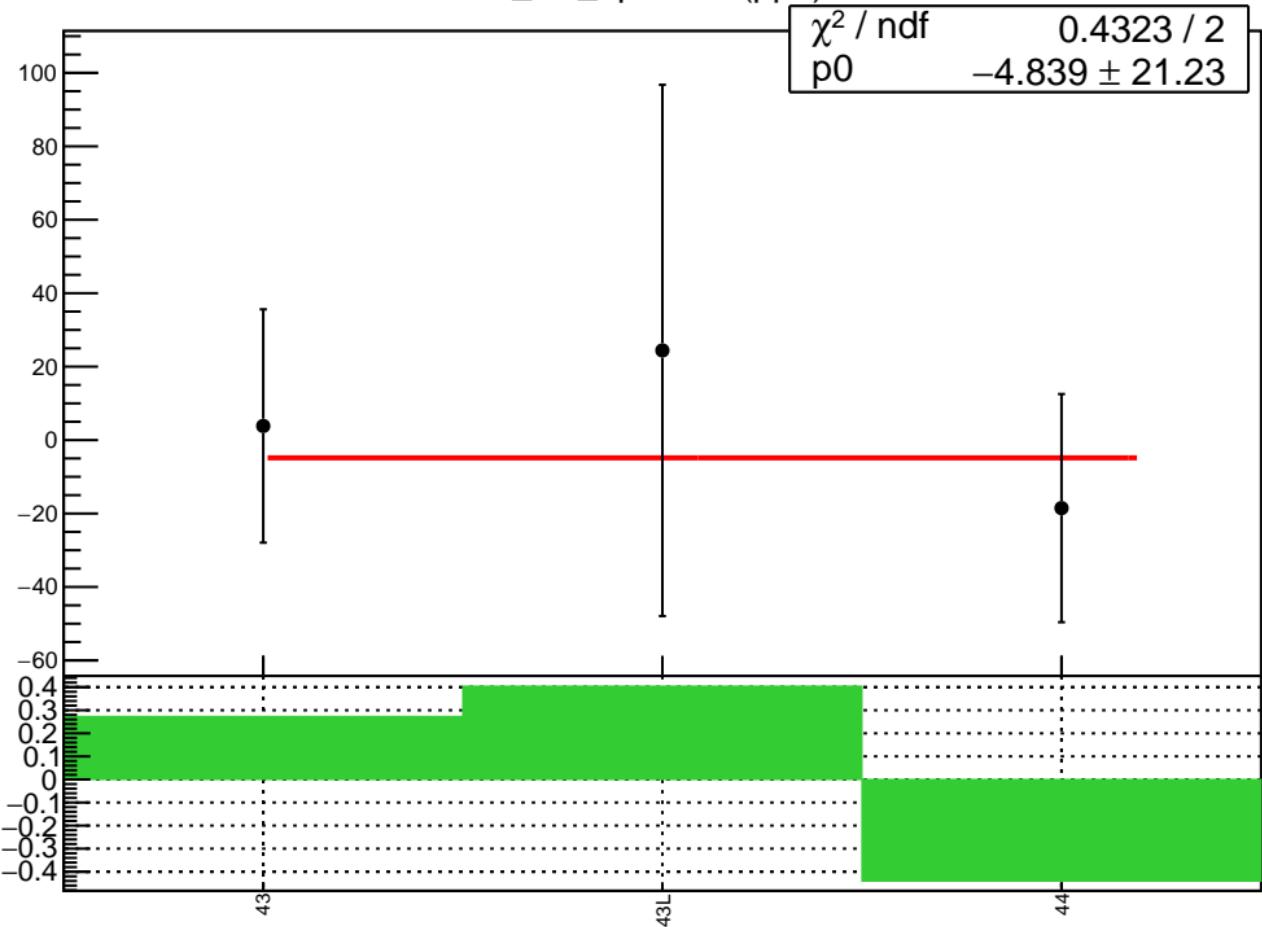
1D pull distribution



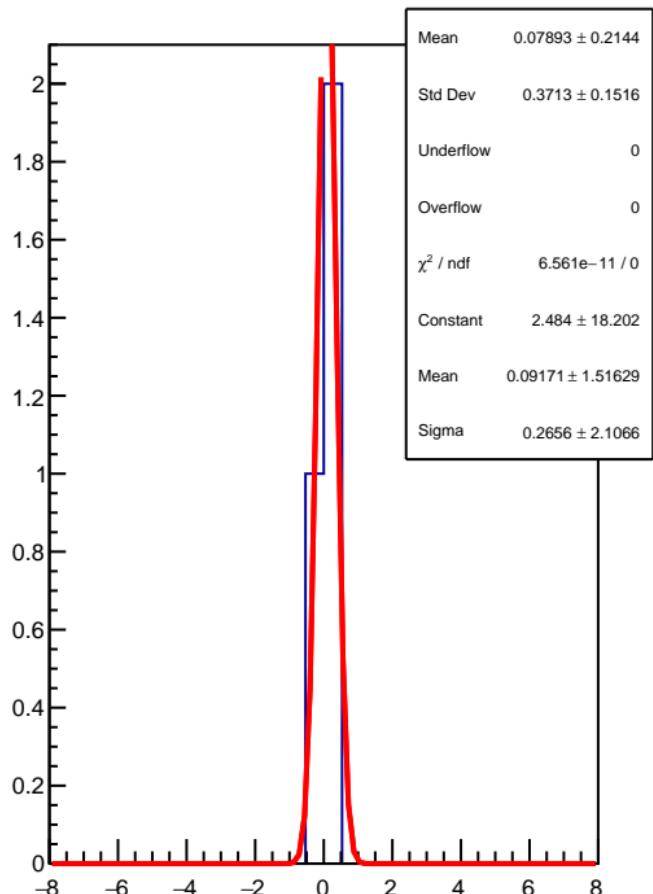
corr_usl_bpm16X RMS (ppm)



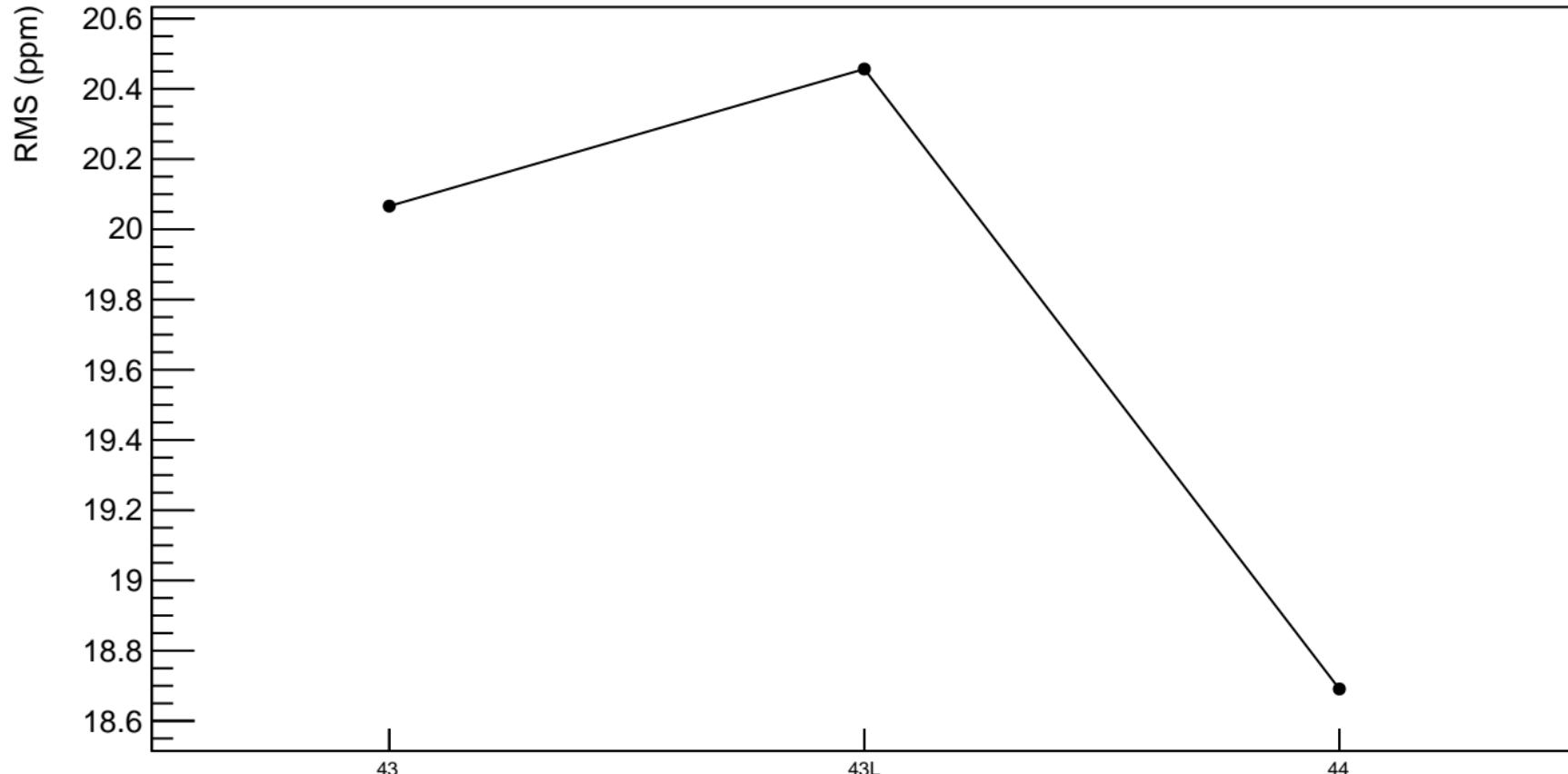
corr_usl_bpm16Y (ppb)



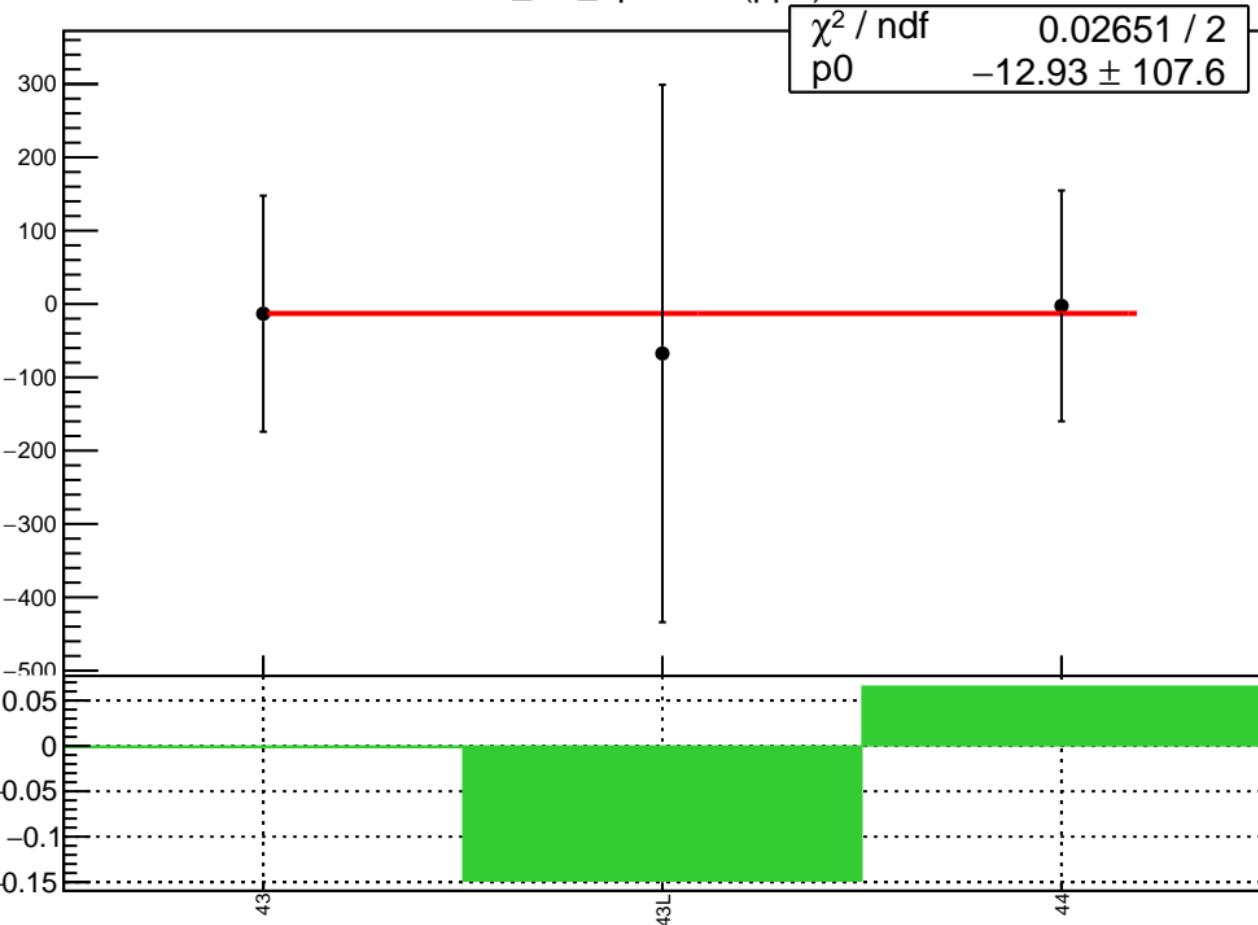
1D pull distribution



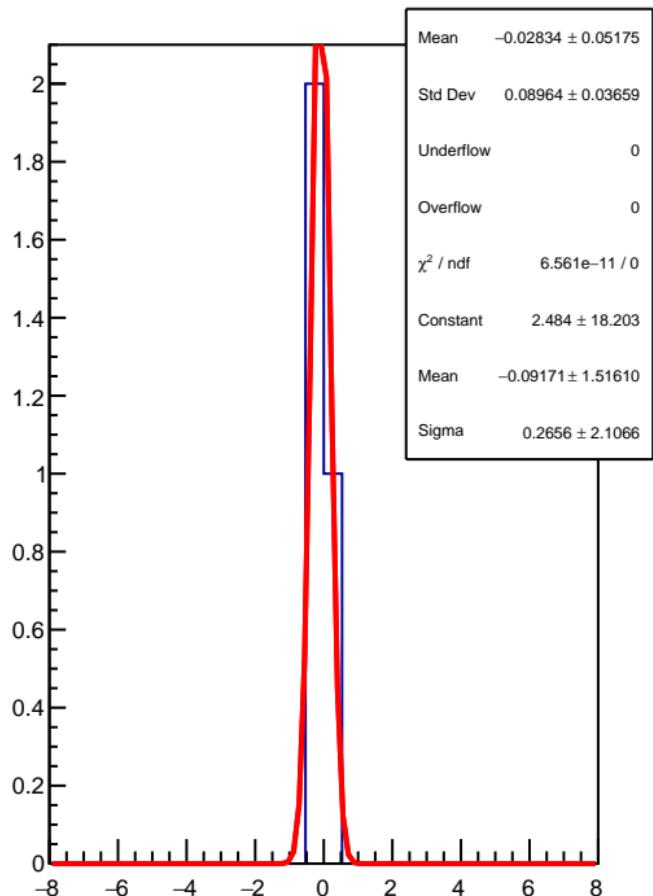
corr_usl_bpm16Y RMS (ppm)



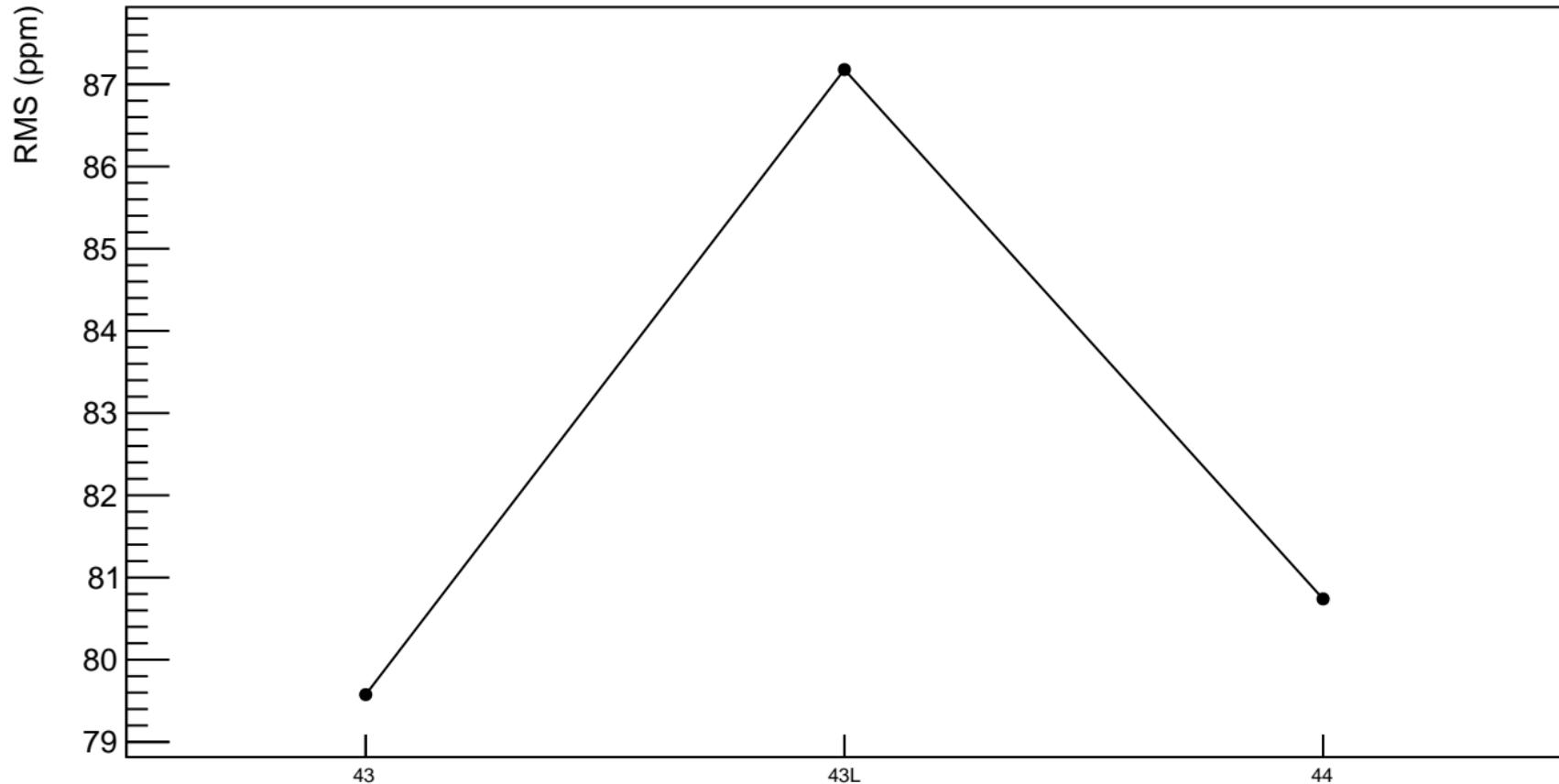
corr_usl_bpm12X (ppb)



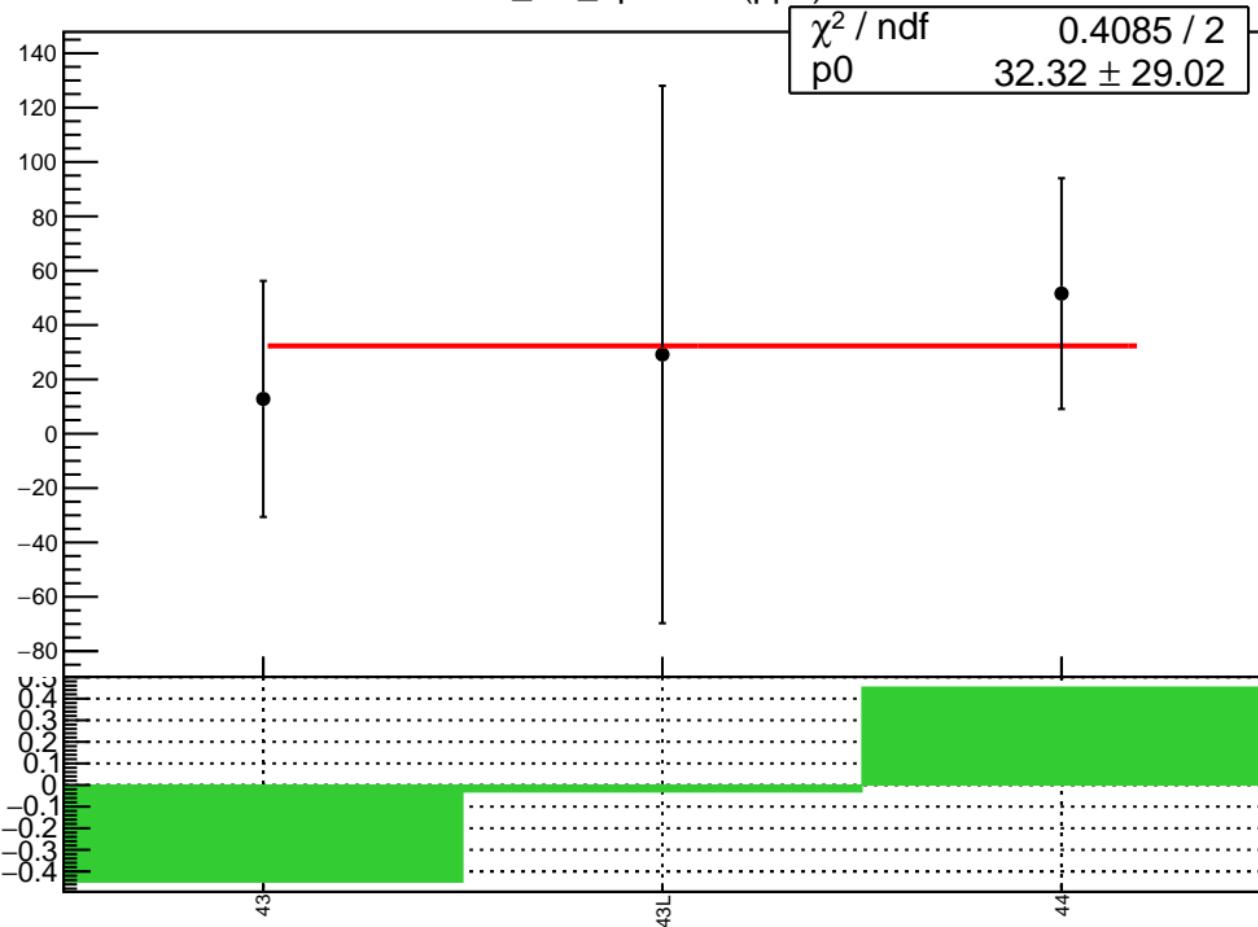
1D pull distribution



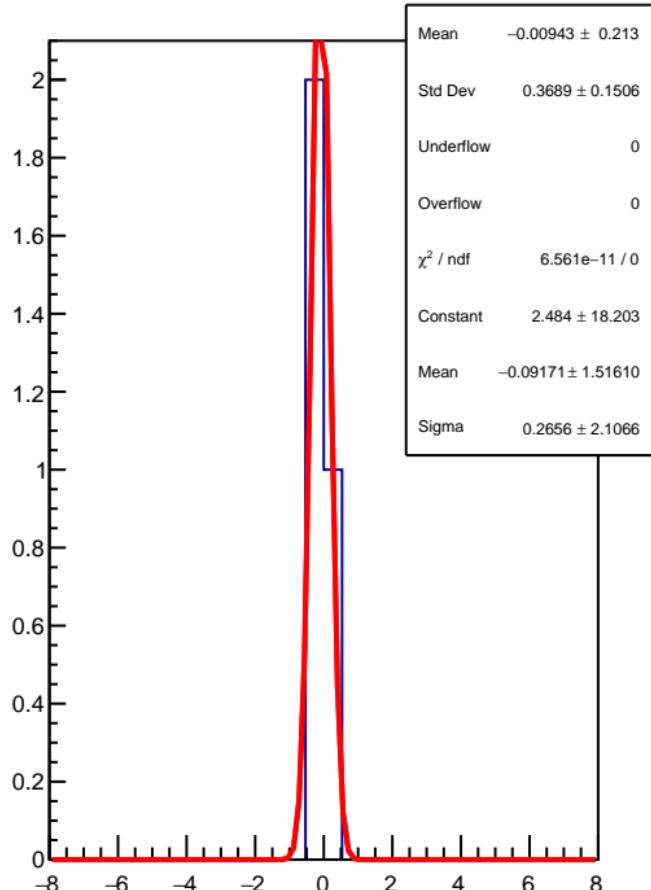
corr_usl_bpm12X RMS (ppm)



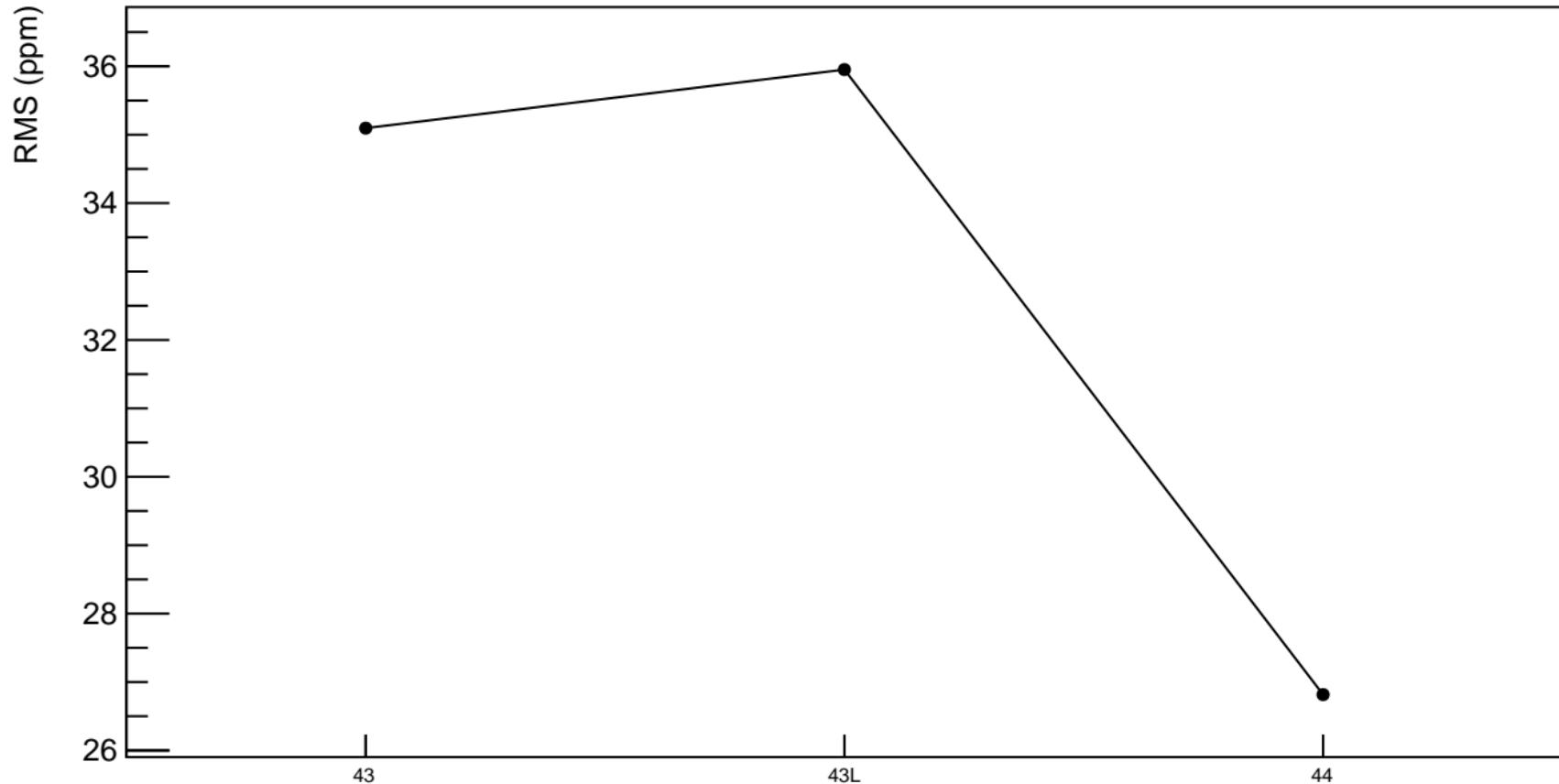
corr_usl_bpm12Y (ppb)



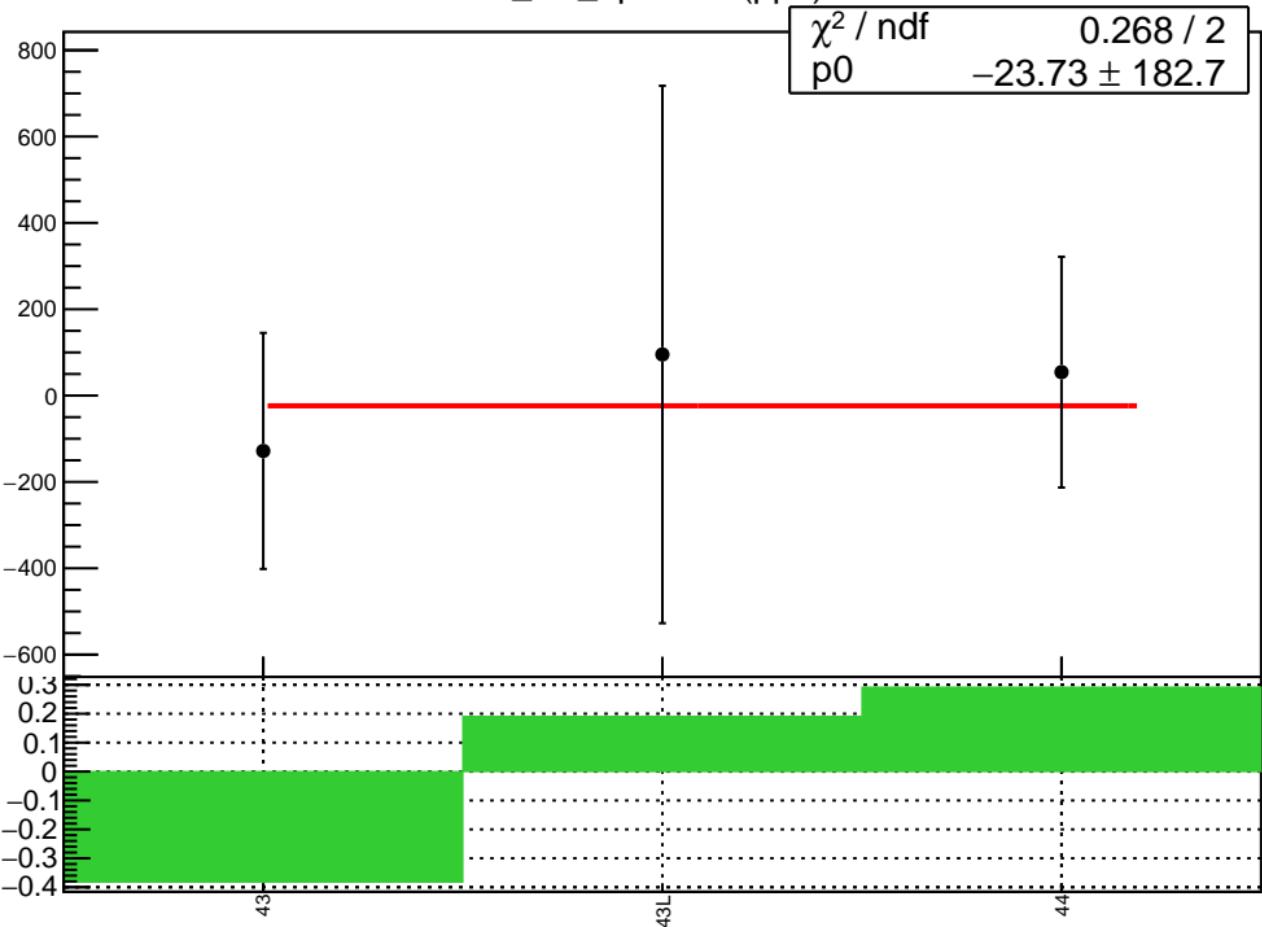
1D pull distribution



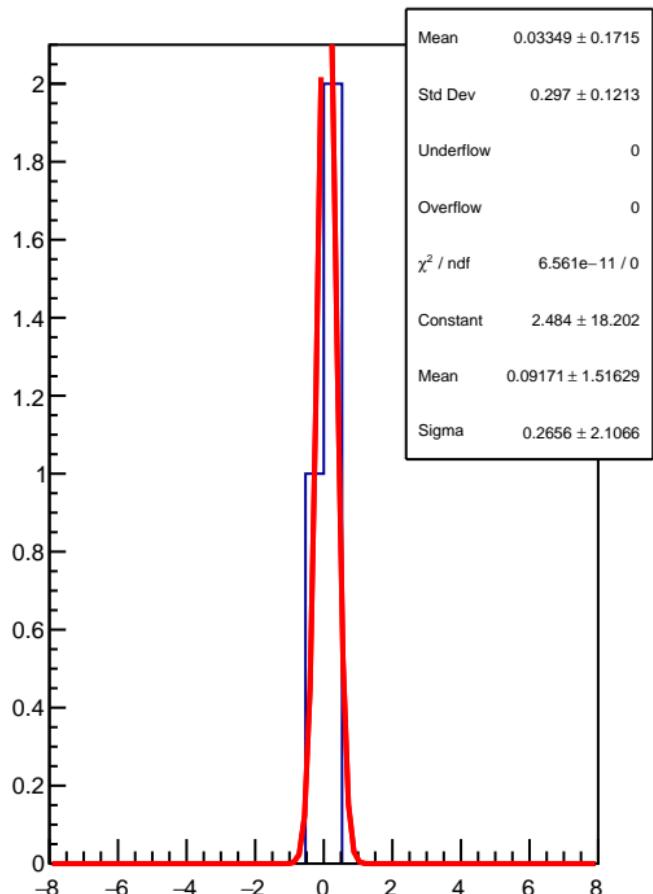
corr_usl_bpm12Y RMS (ppm)



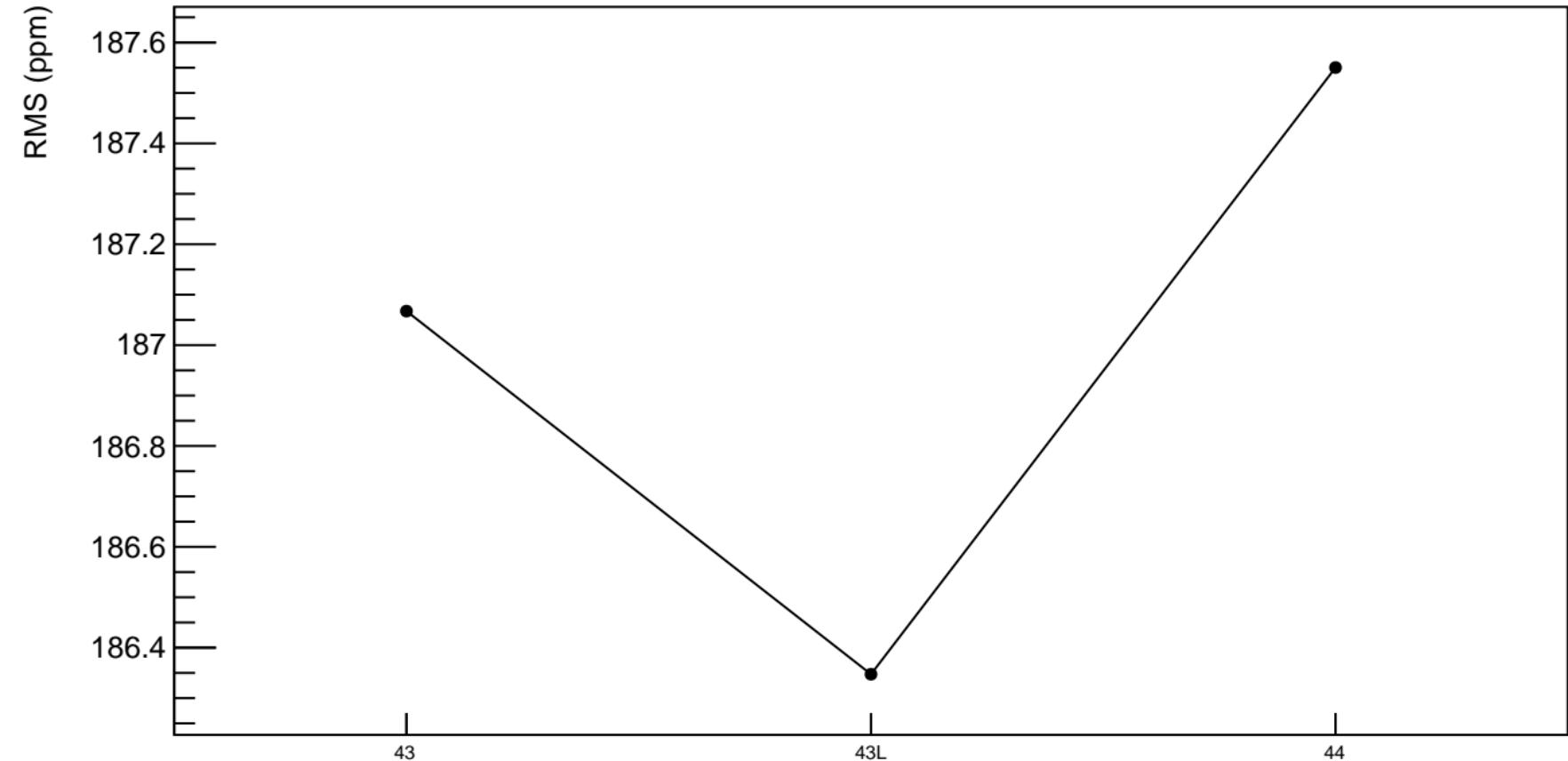
corr_usl_bpm11X (ppb)



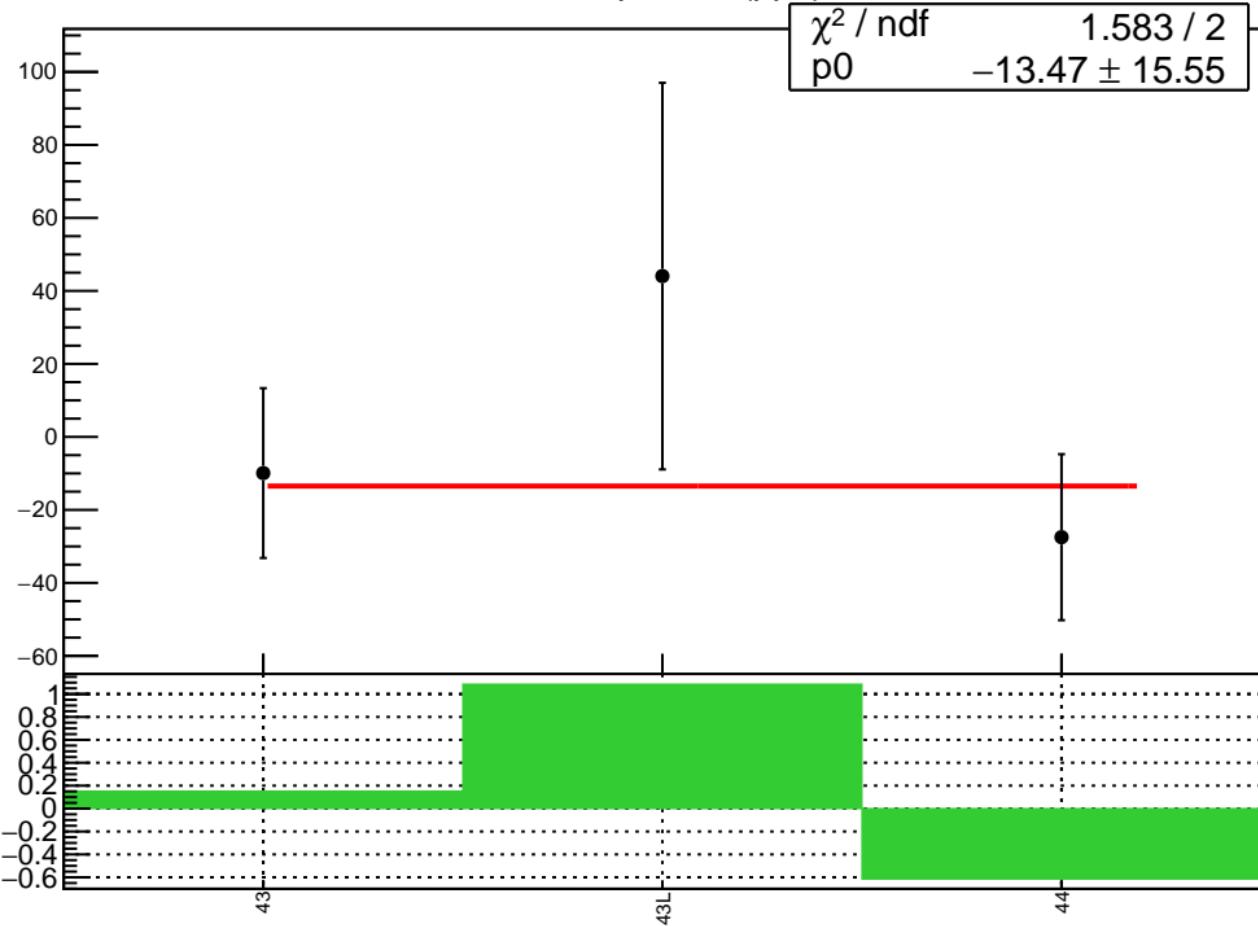
1D pull distribution



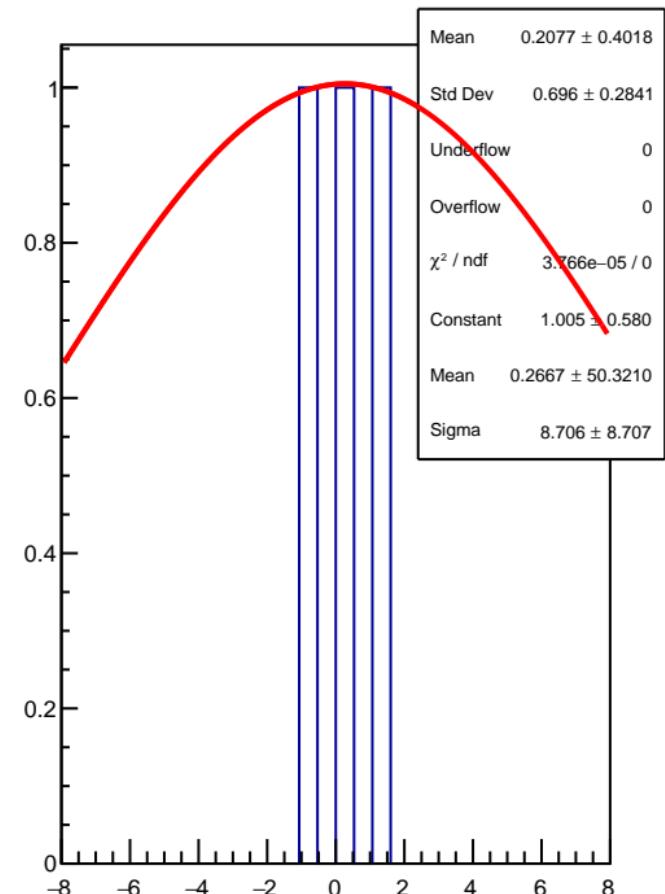
corr_usl_bpm11X RMS (ppm)



corr_usl_bpm11Y (ppb)



1D pull distribution

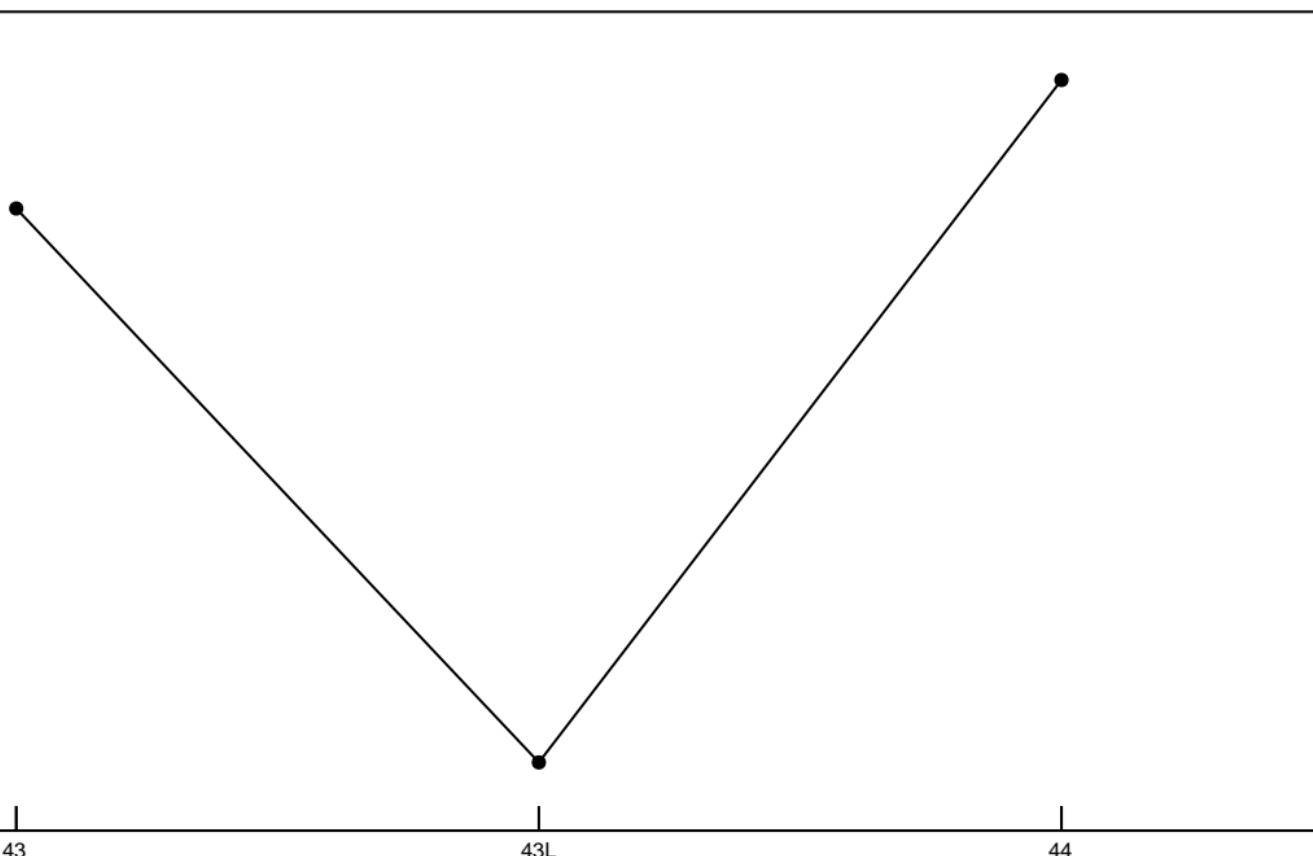


corr_usl_bpm11Y RMS (ppm)

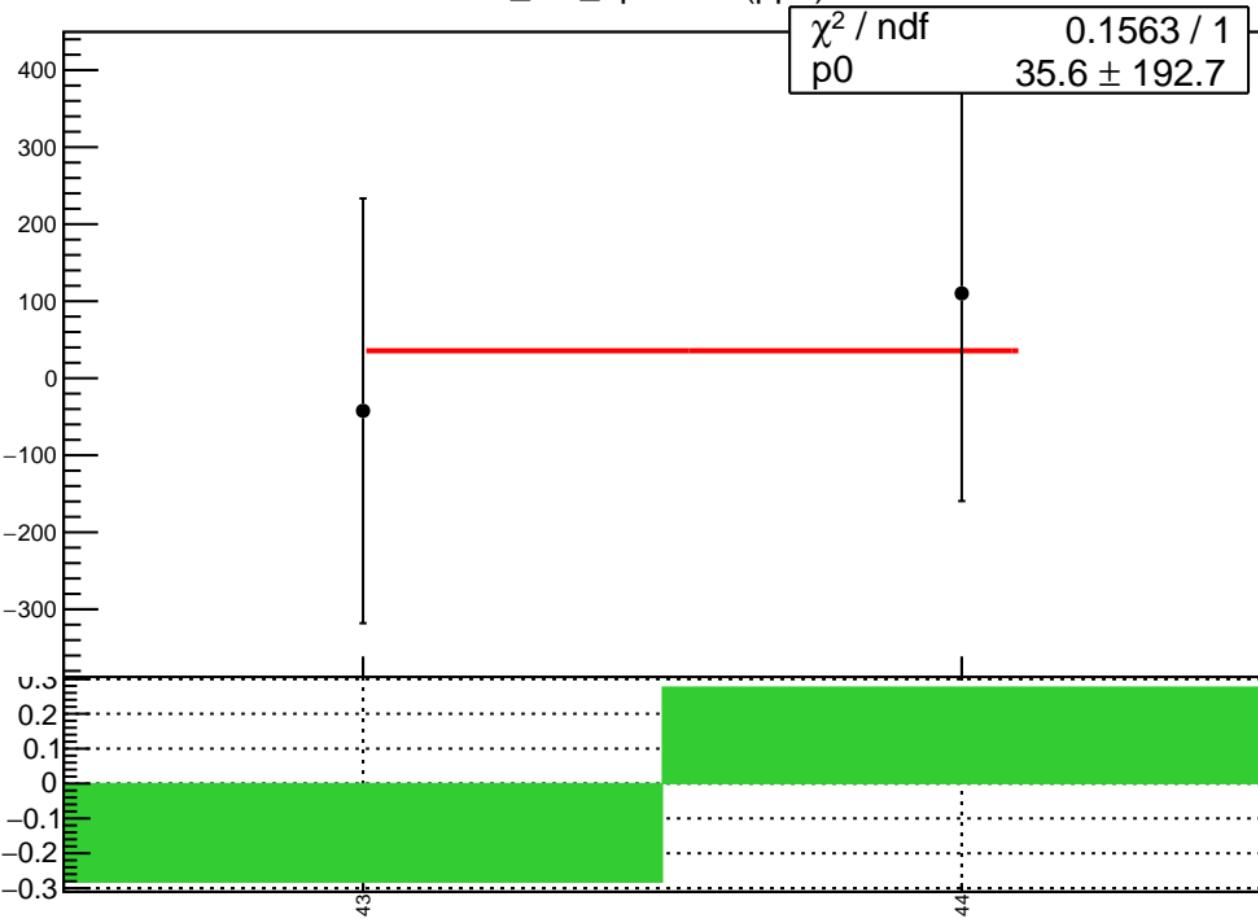
RMS (ppm)

10.8
10.6
10.4
10.2
10
9.8
9.6
9.4

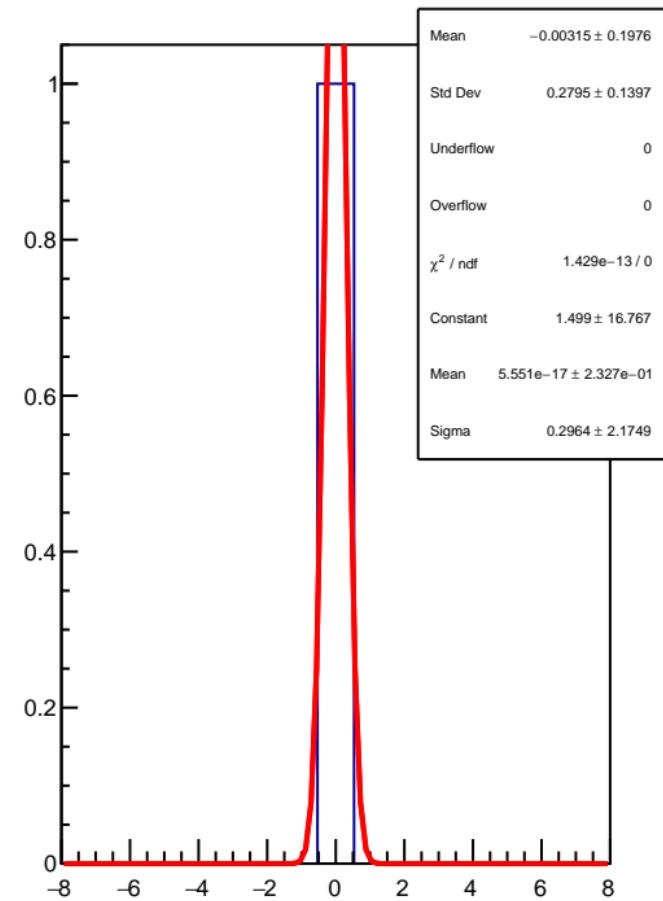
43 43L 44



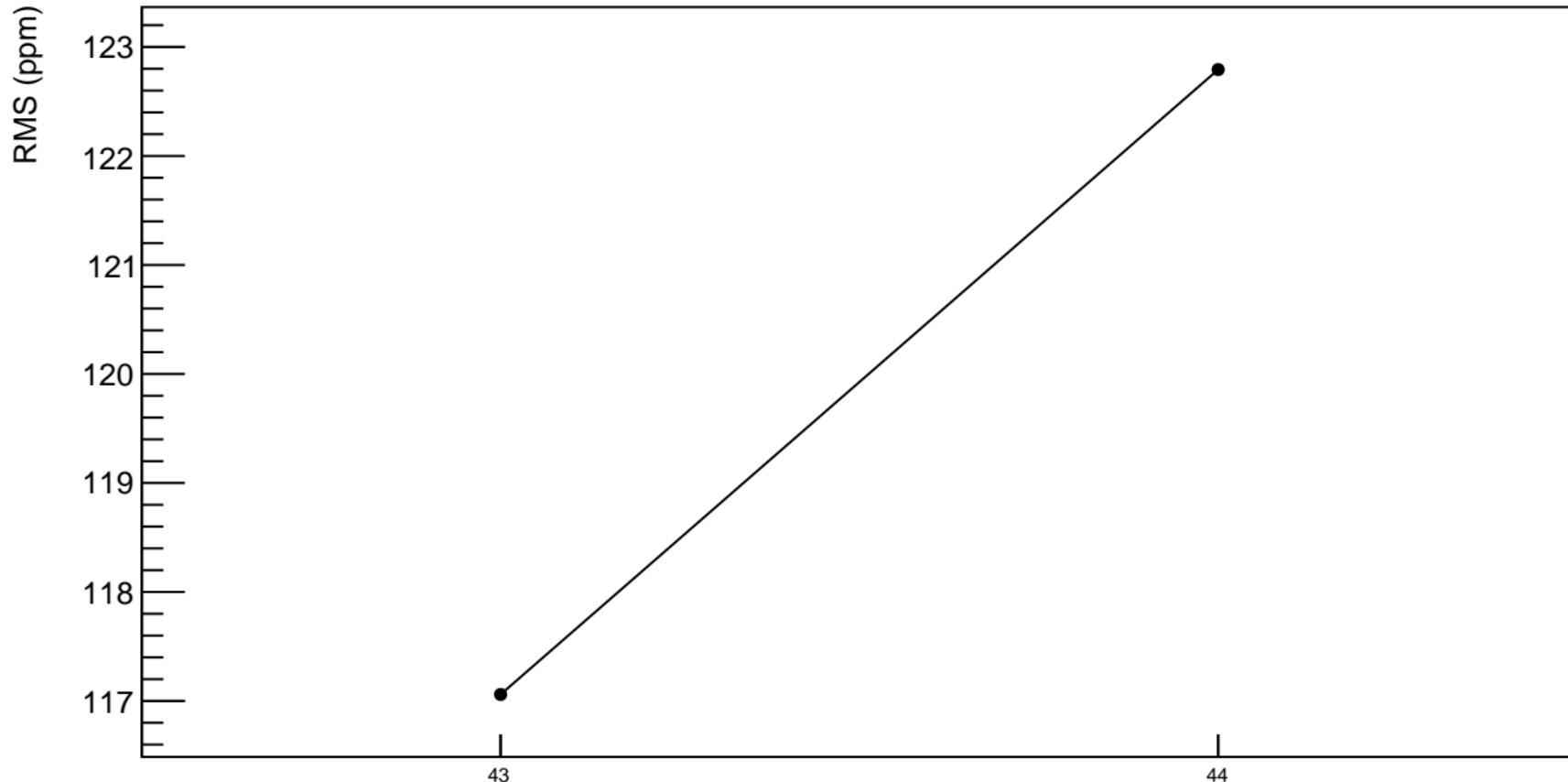
corr_usr_bpm4eX (ppb)



1D pull distribution

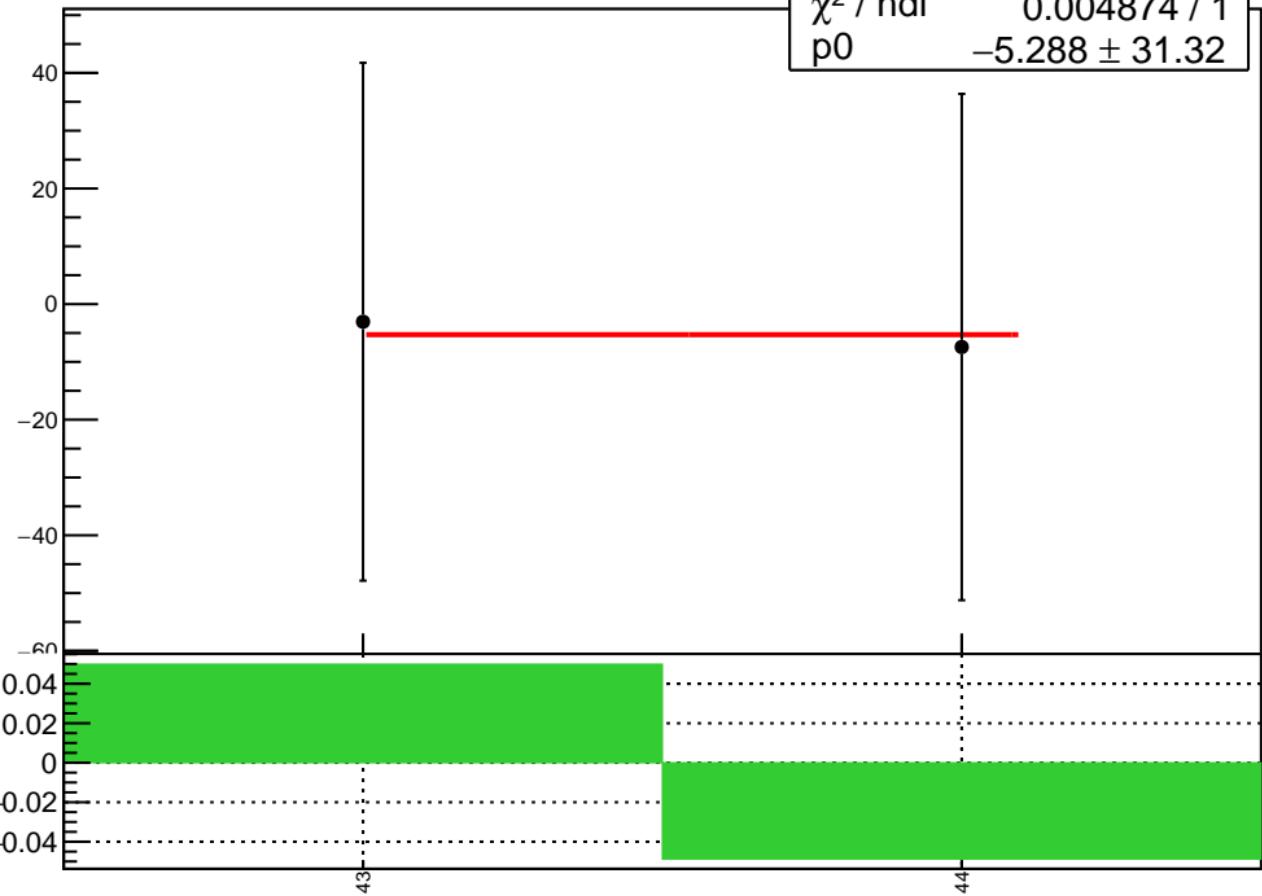


corr_usr_bpm4eX RMS (ppm)

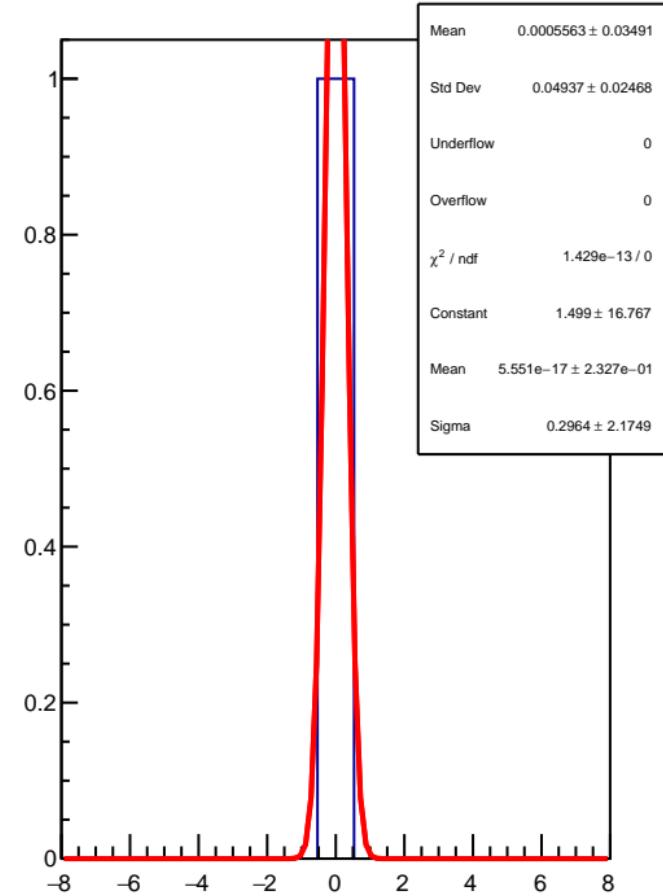


corr_usr_bpm4eY (ppb)

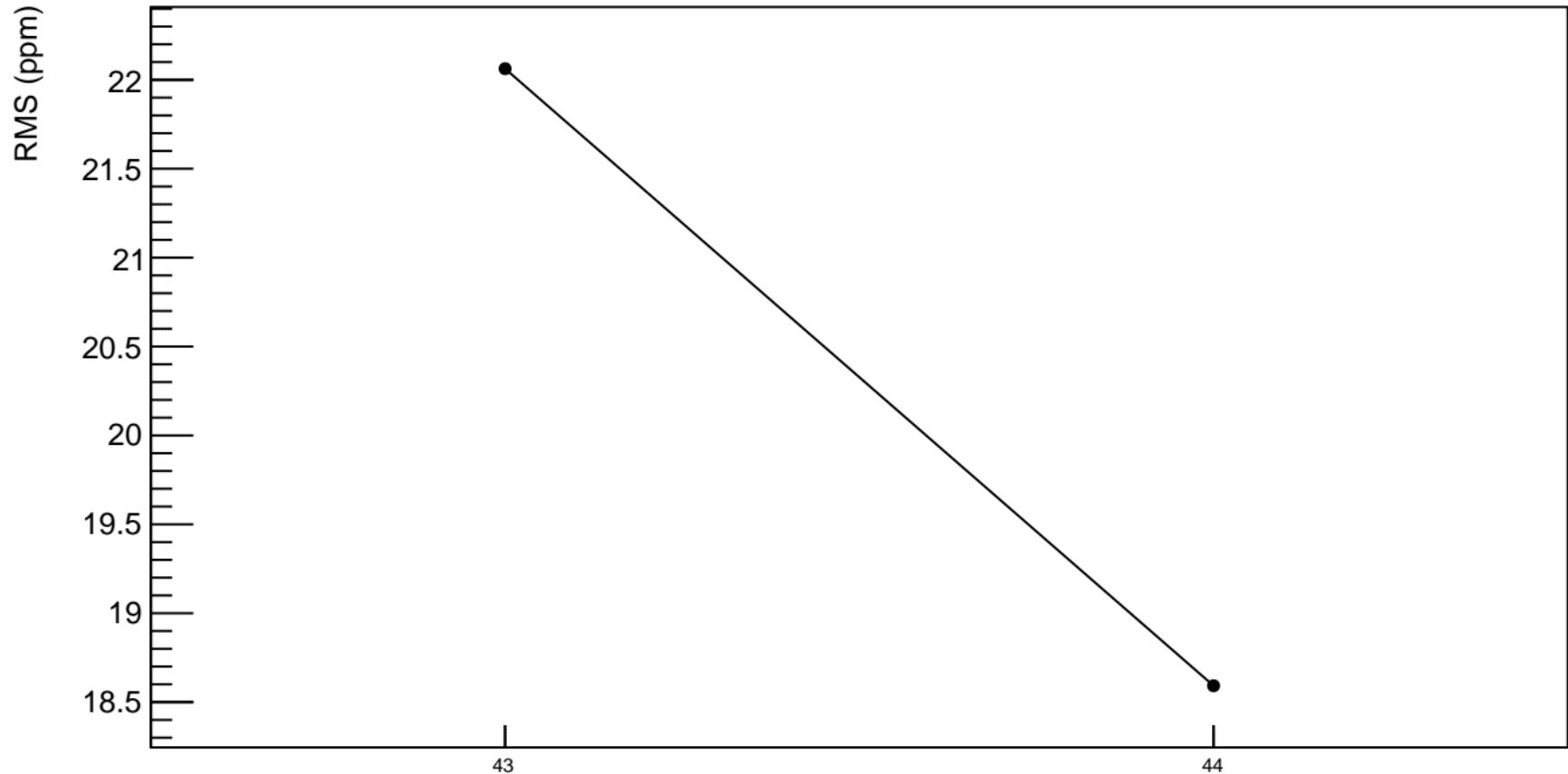
χ^2 / ndf 0.004874 / 1
p0 -5.288 ± 31.32



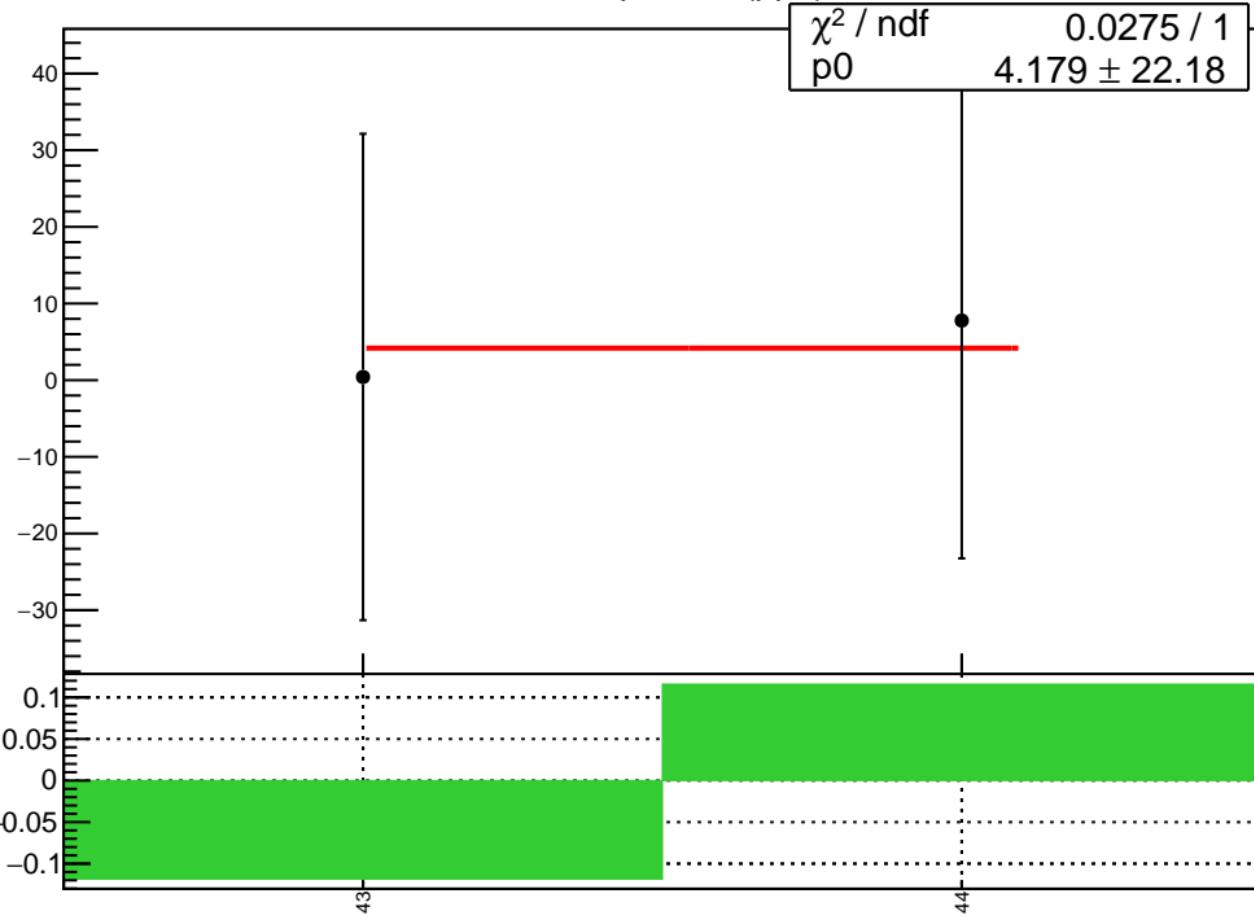
1D pull distribution



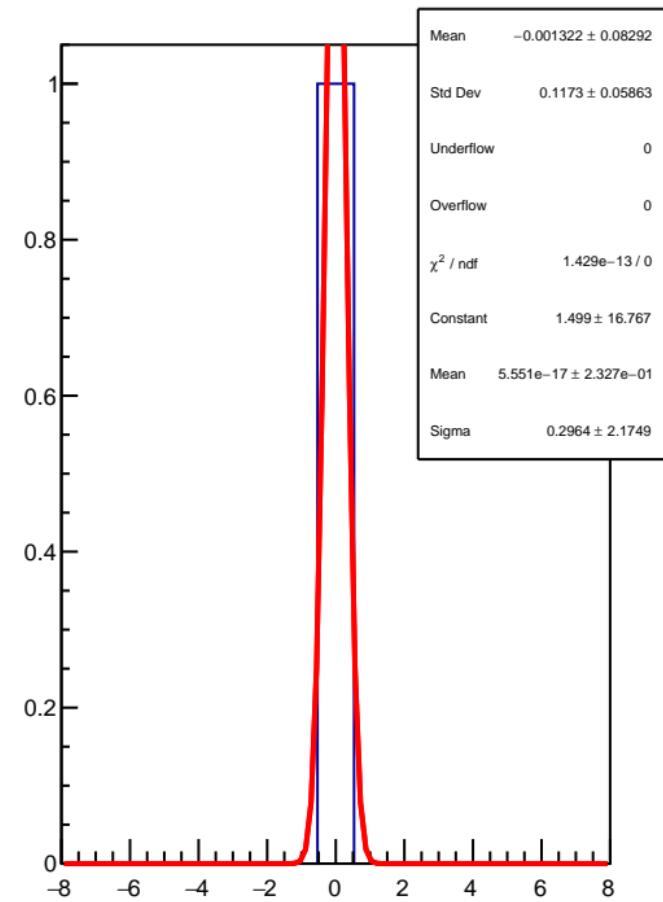
corr_usr_bpm4eY RMS (ppm)



corr_usr_bpm4aX (ppb)

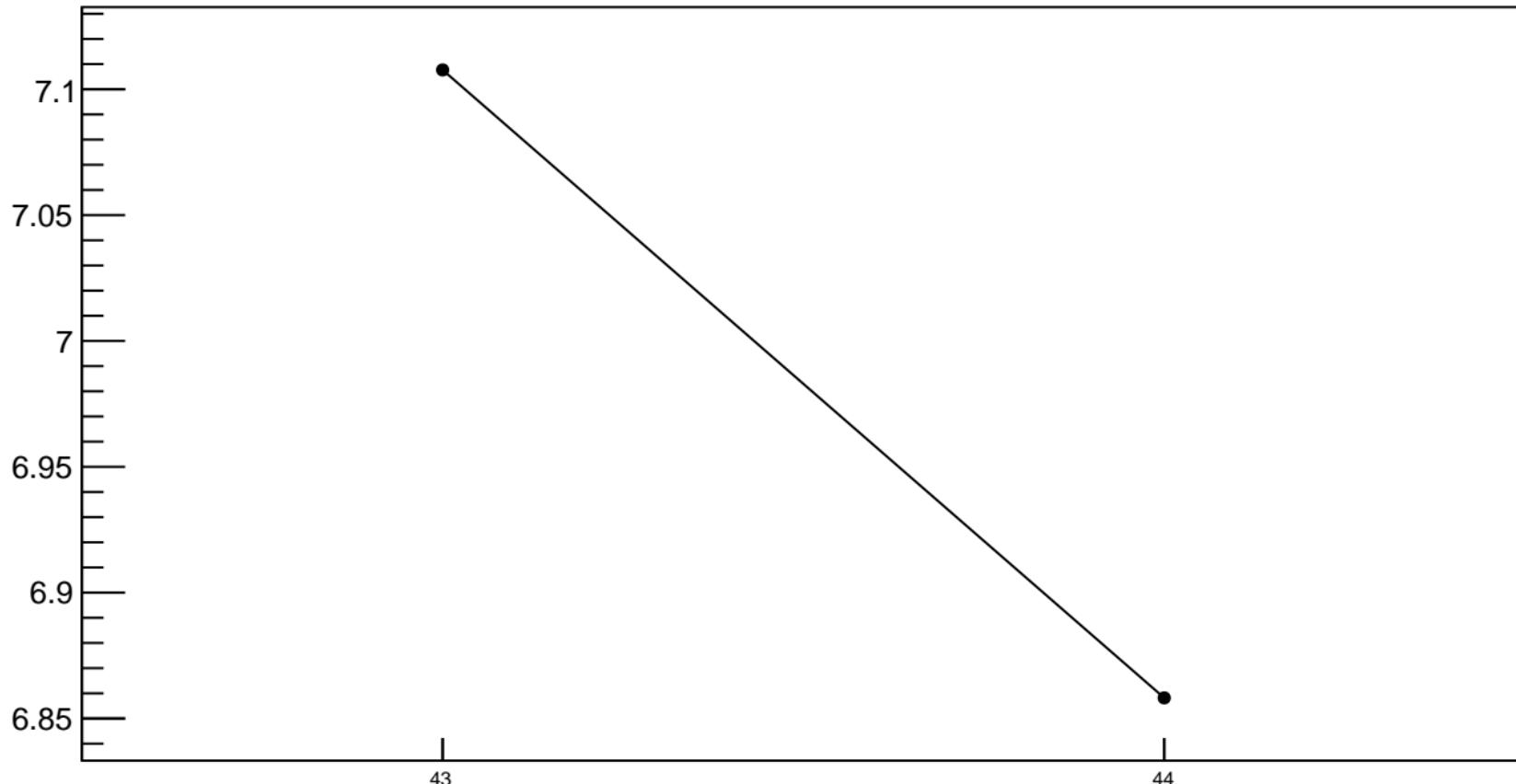


1D pull distribution



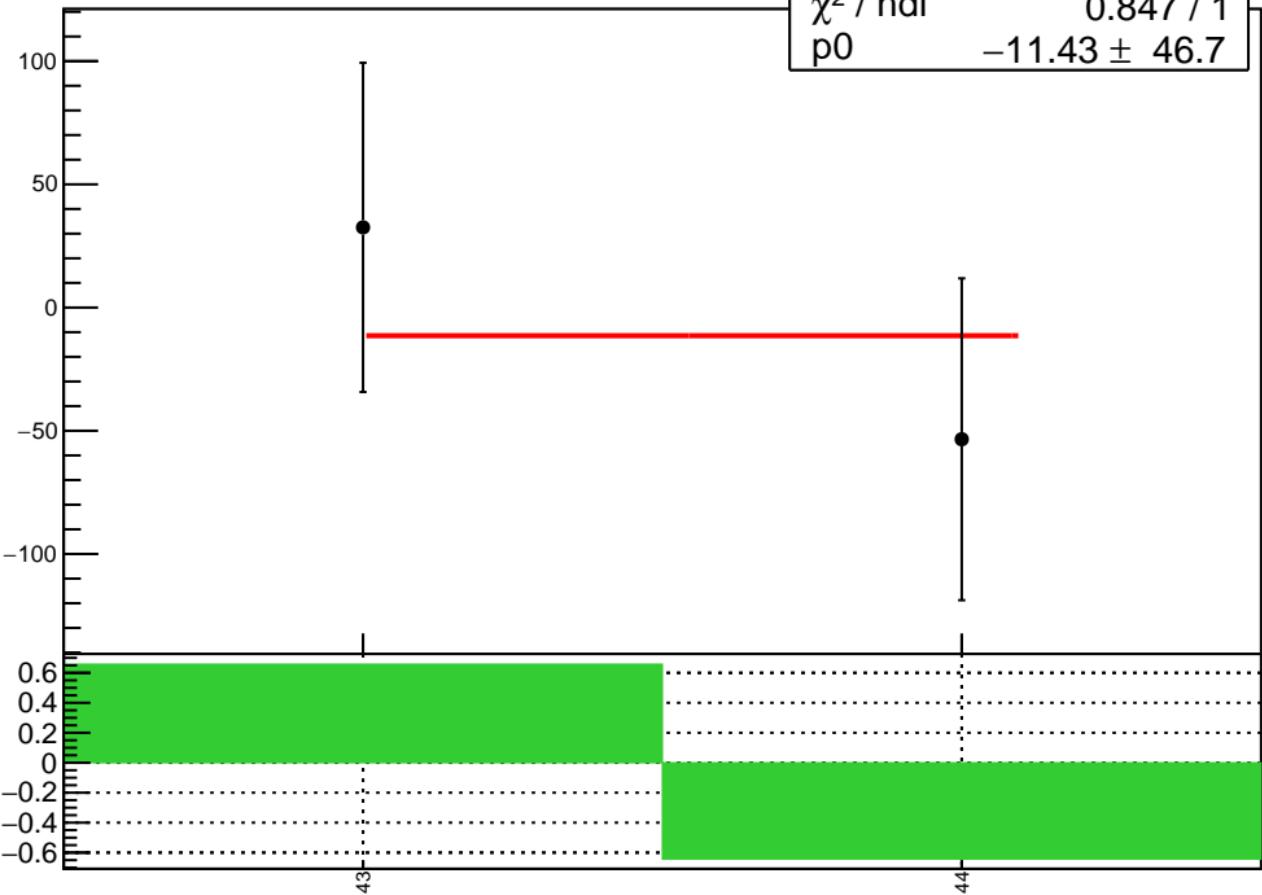
corr_usr_bpm4aX RMS (ppm)

RMS (ppm)

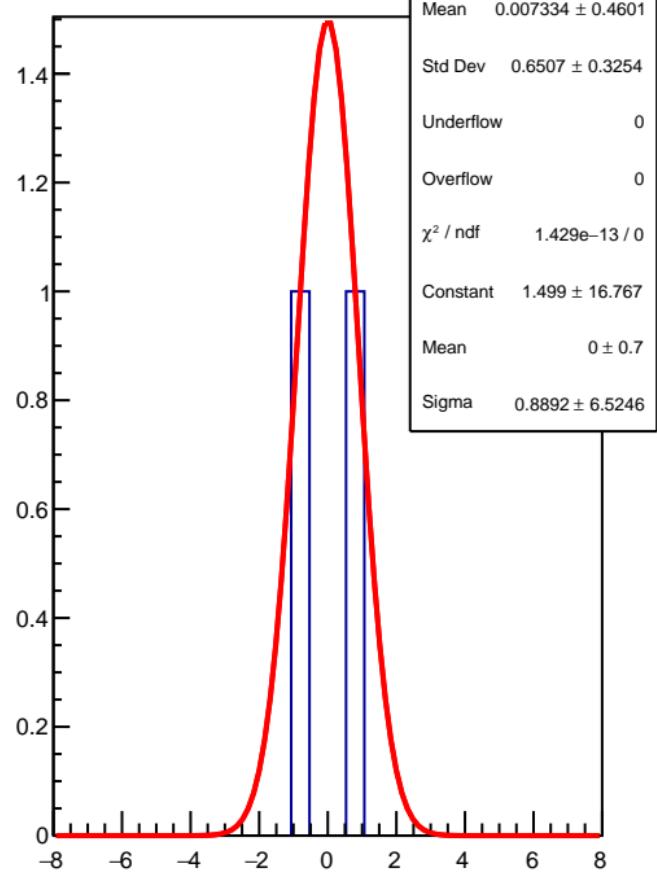


corr_usr_bpm4aY (ppb)

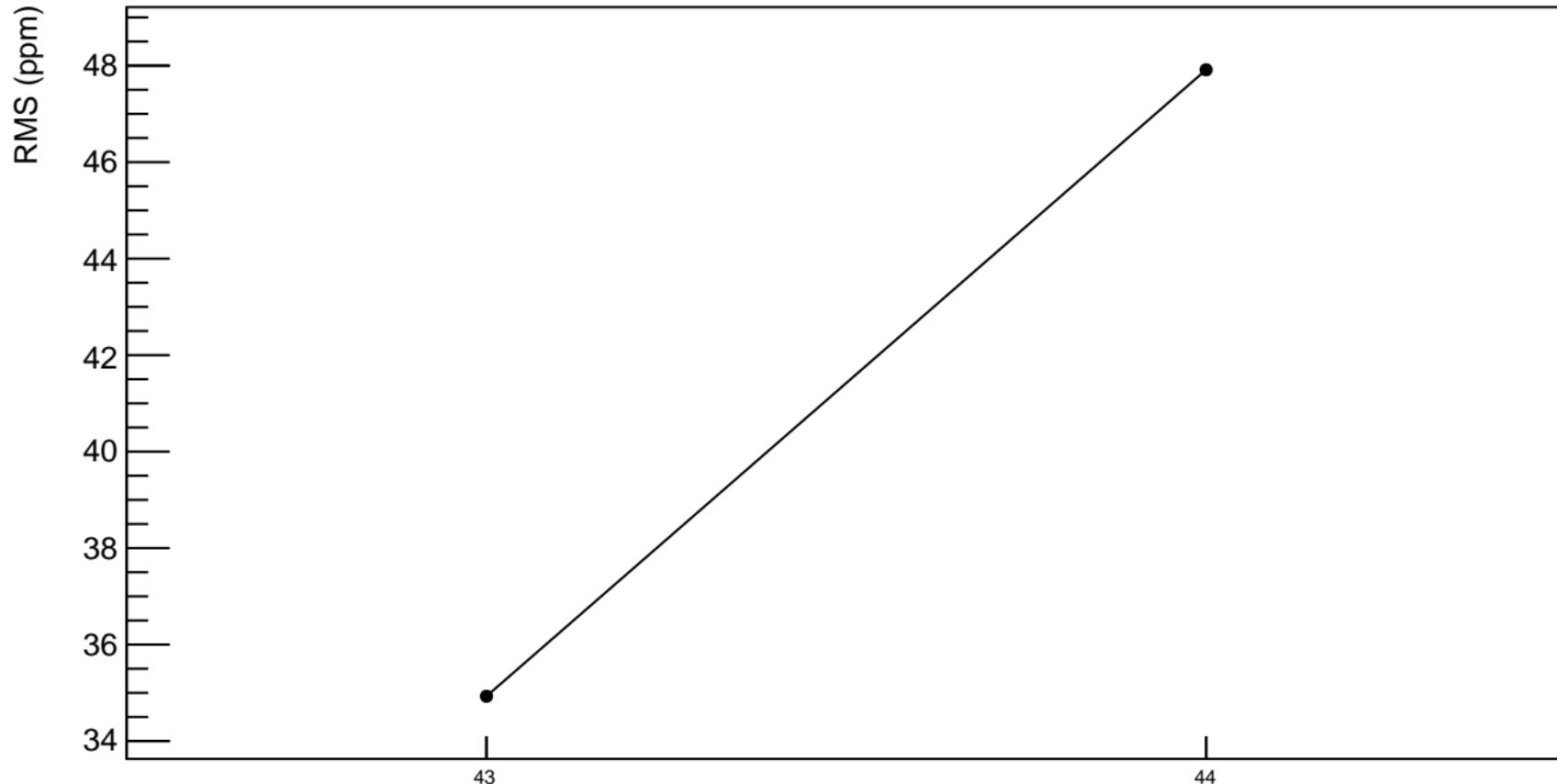
χ^2 / ndf 0.847 / 1
 p_0 -11.43 ± 46.7



1D pull distribution

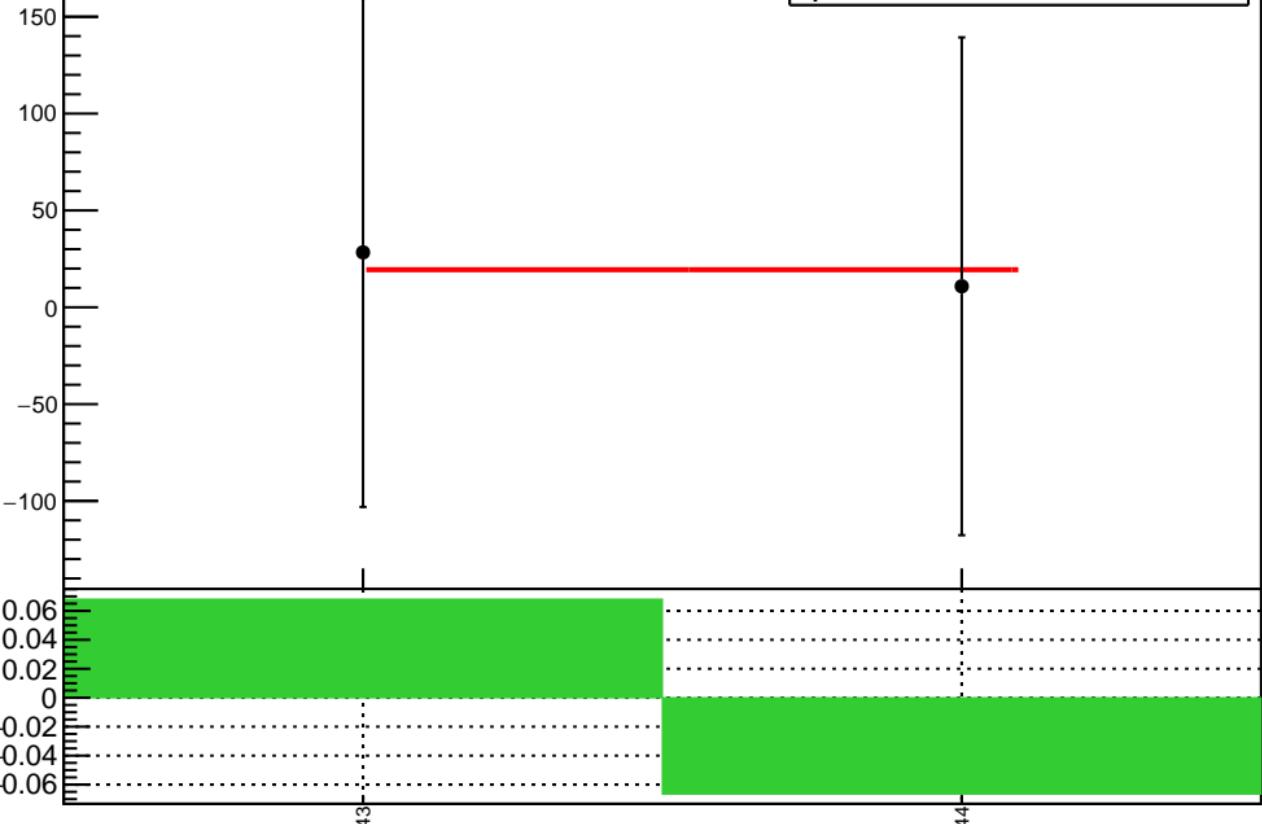


corr_usr_bpm4aY RMS (ppm)

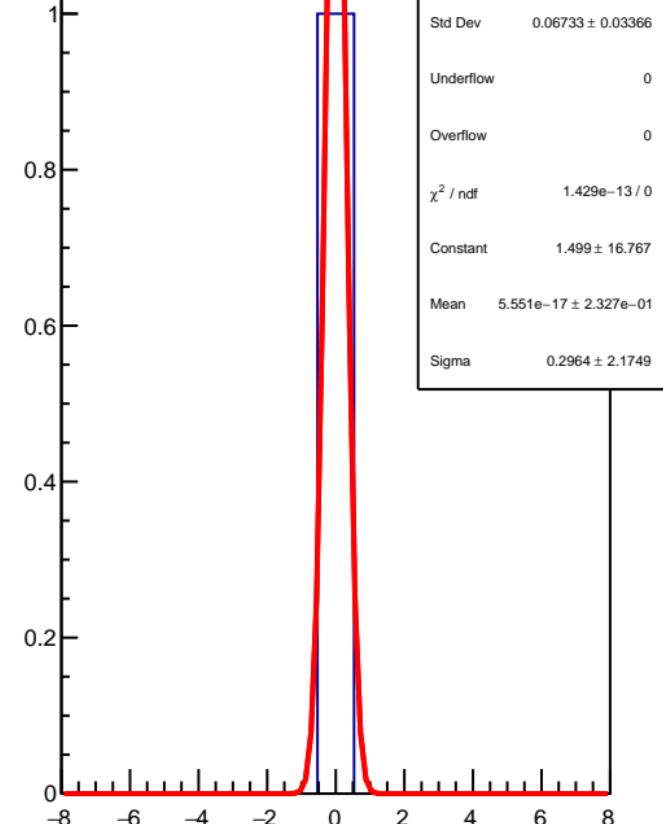


corr_usr_bpm1X (ppb)

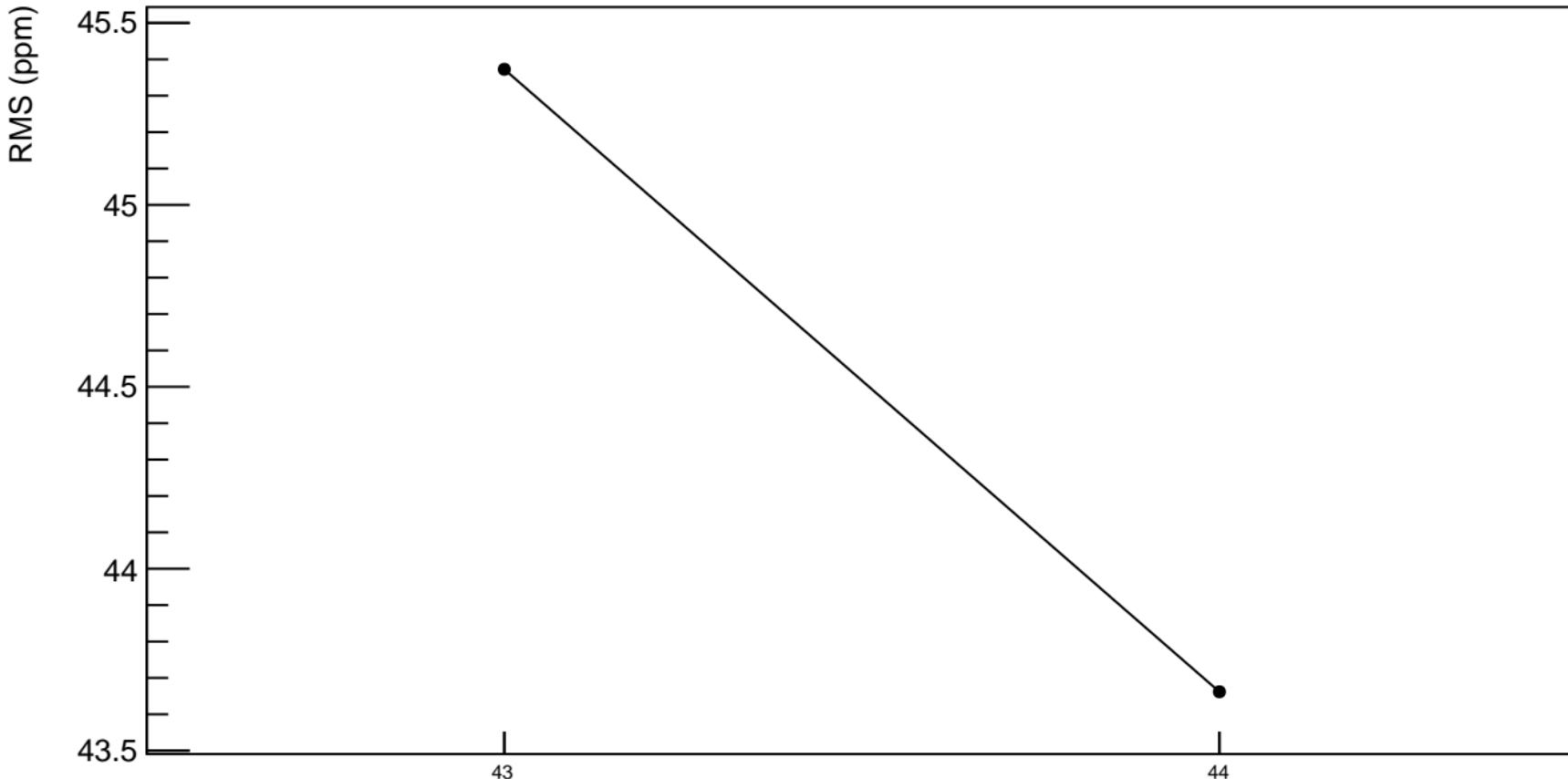
χ^2 / ndf 0.009068 / 1
p0 19.4 ± 91.88



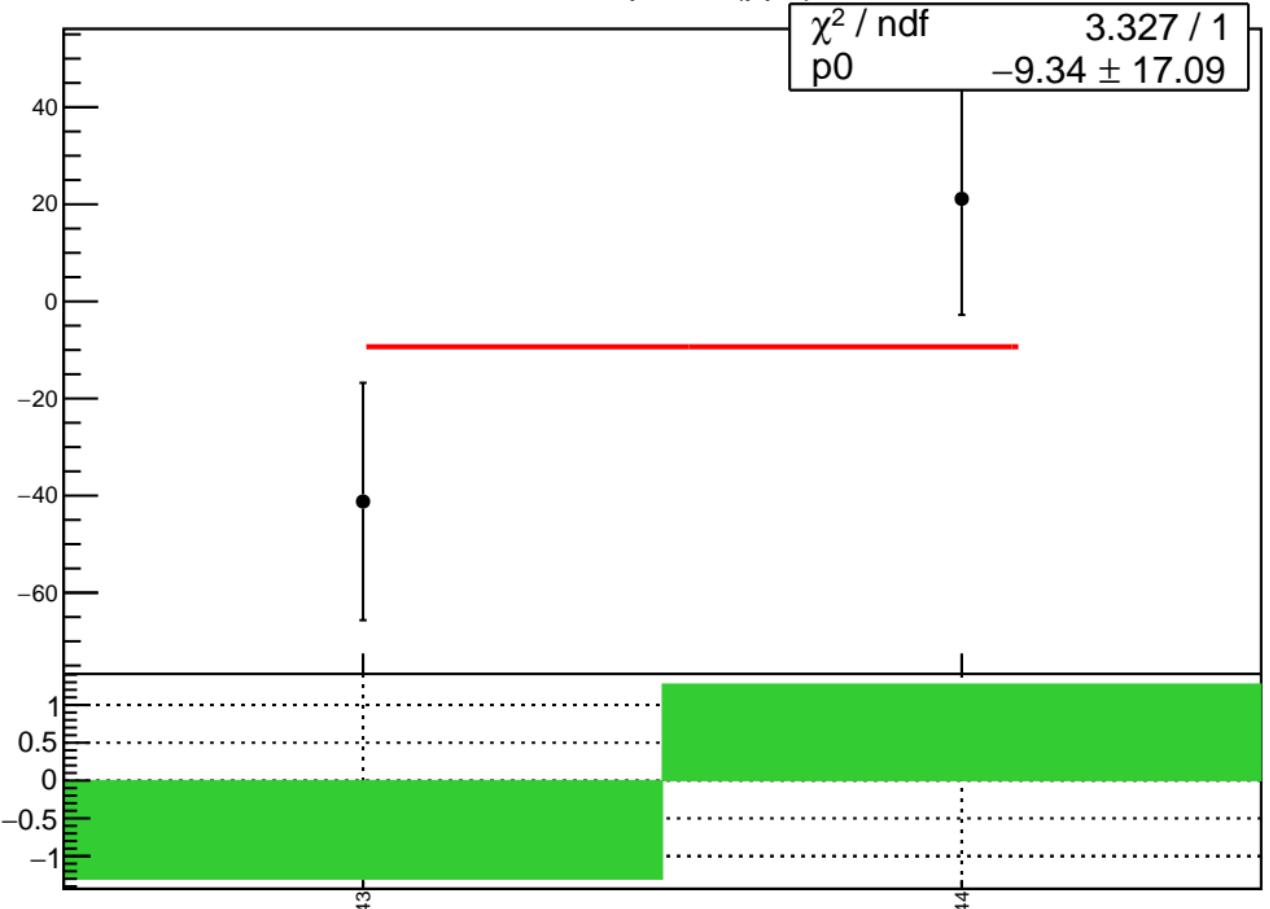
1D pull distribution



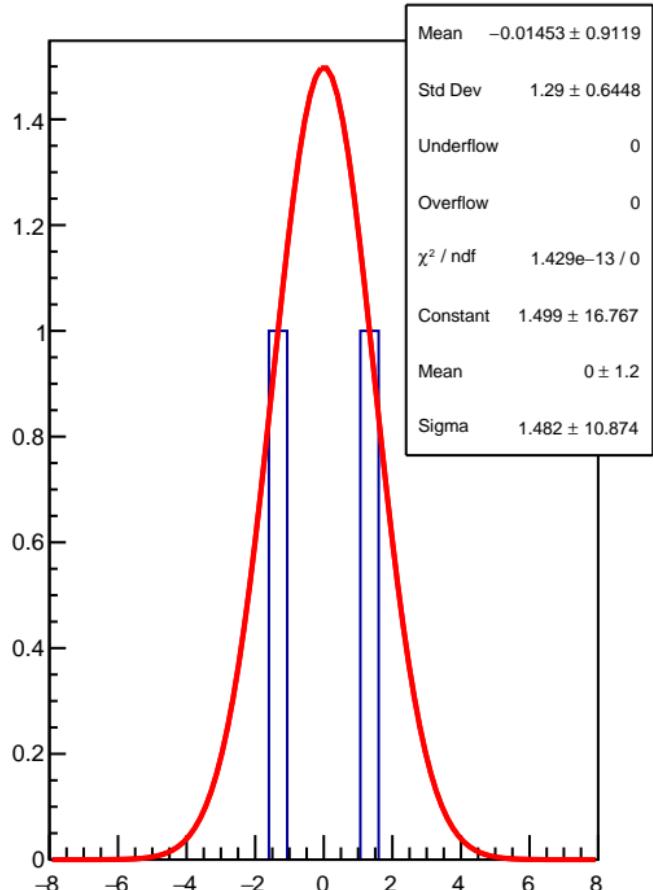
corr_usr_bpm1X RMS (ppm)



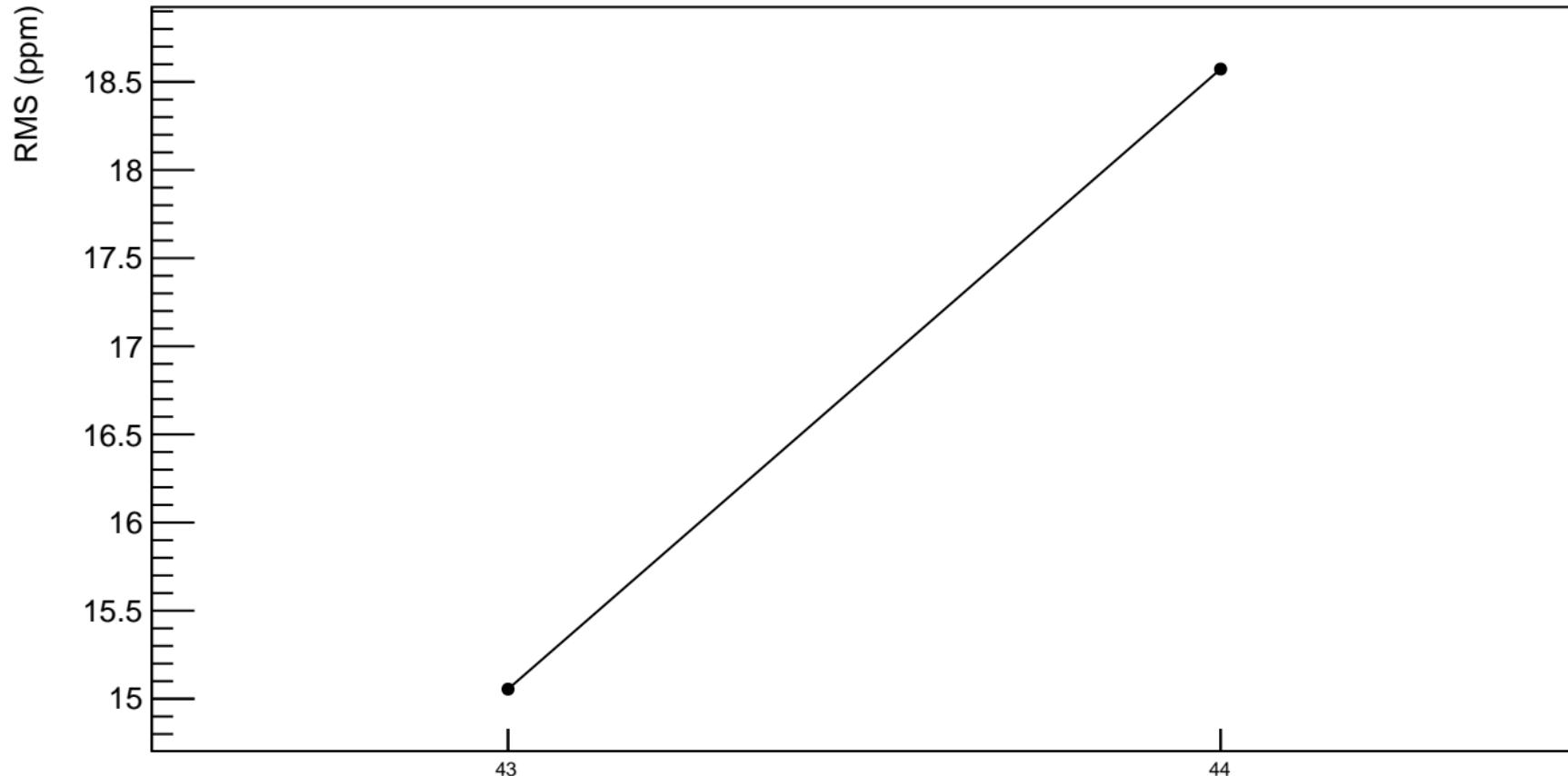
corr_usr_bpm1Y (ppb)



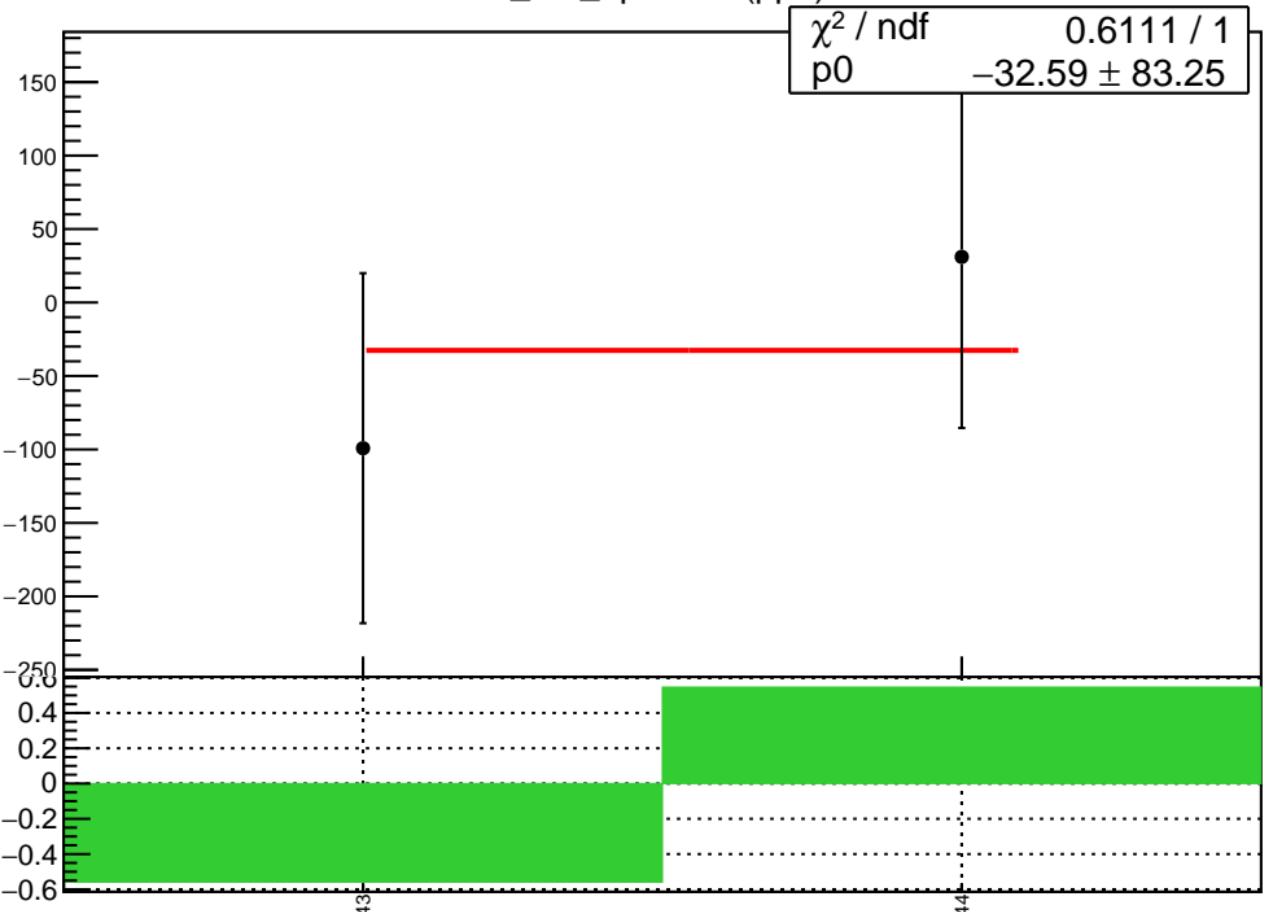
1D pull distribution



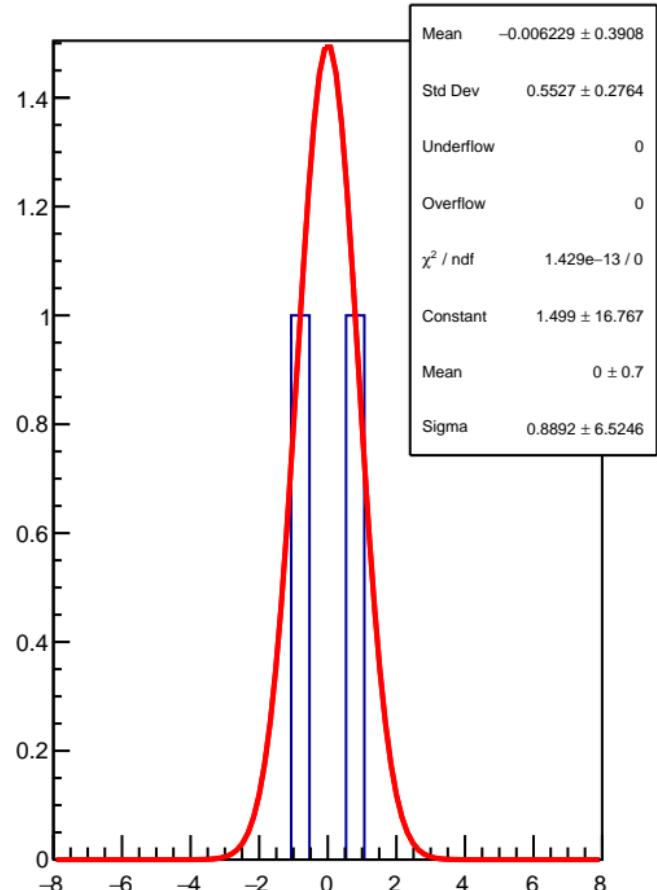
corr_usr_bpm1Y RMS (ppm)



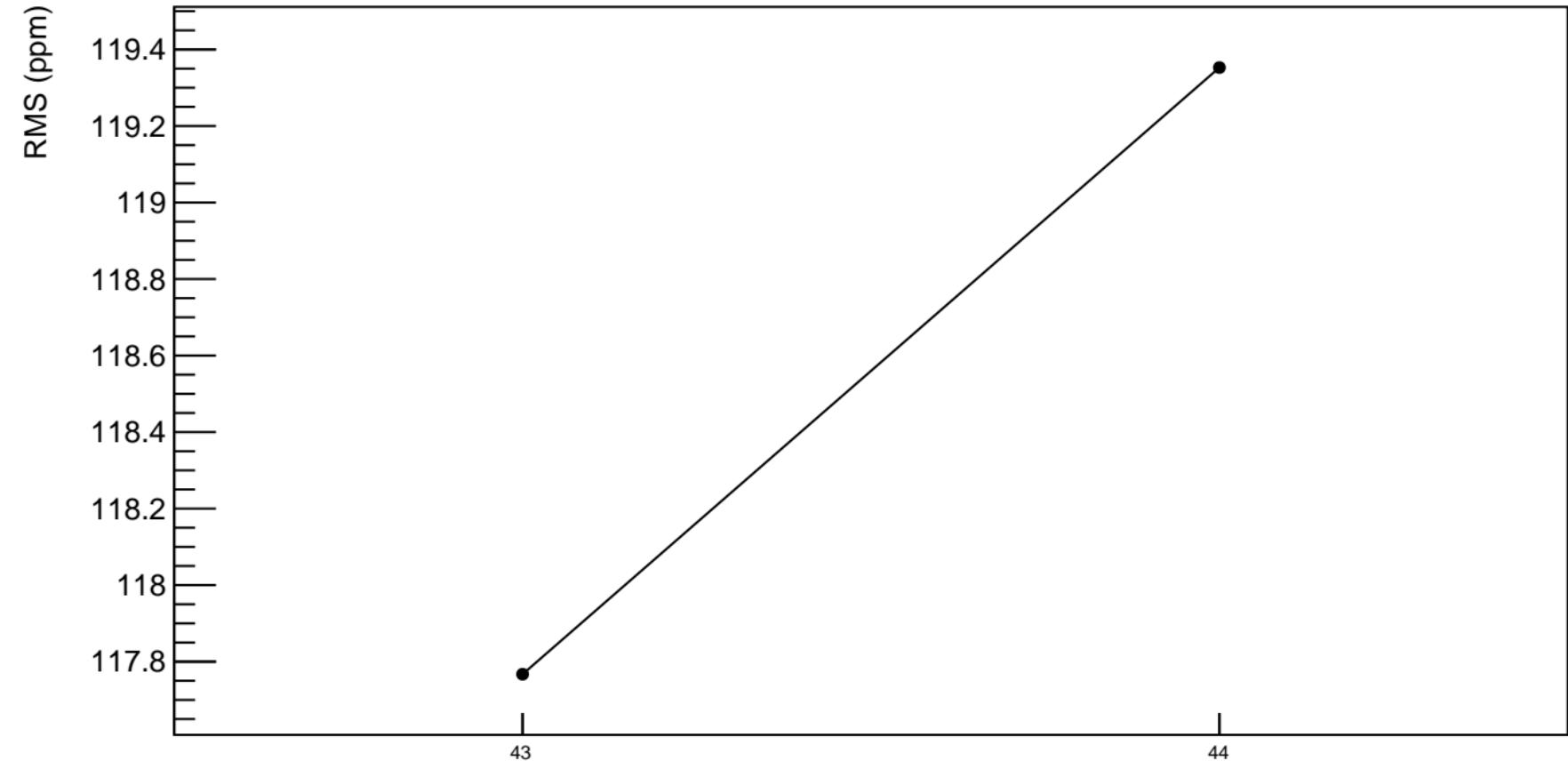
corr_usr_bpm16X (ppb)



1D pull distribution

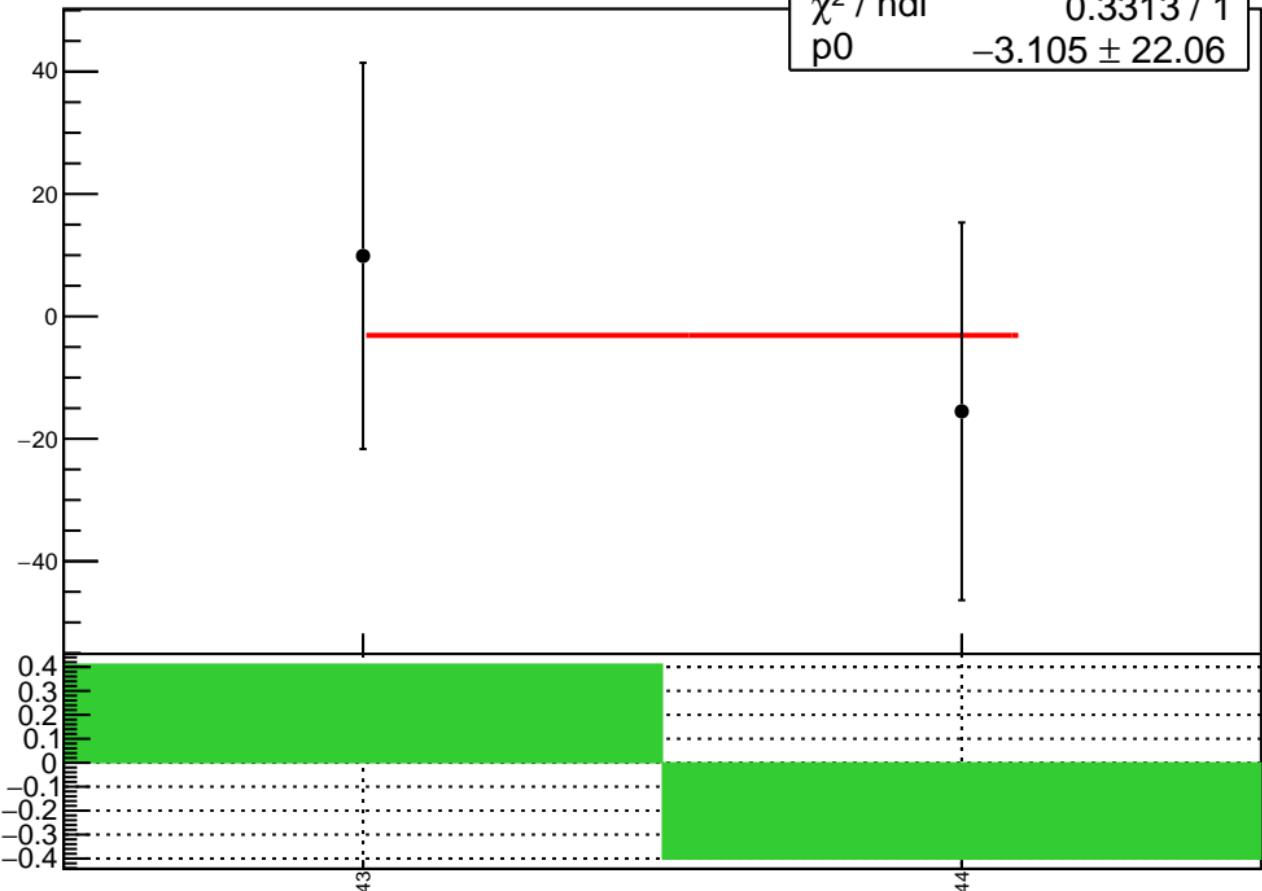


corr_usr_bpm16X RMS (ppm)

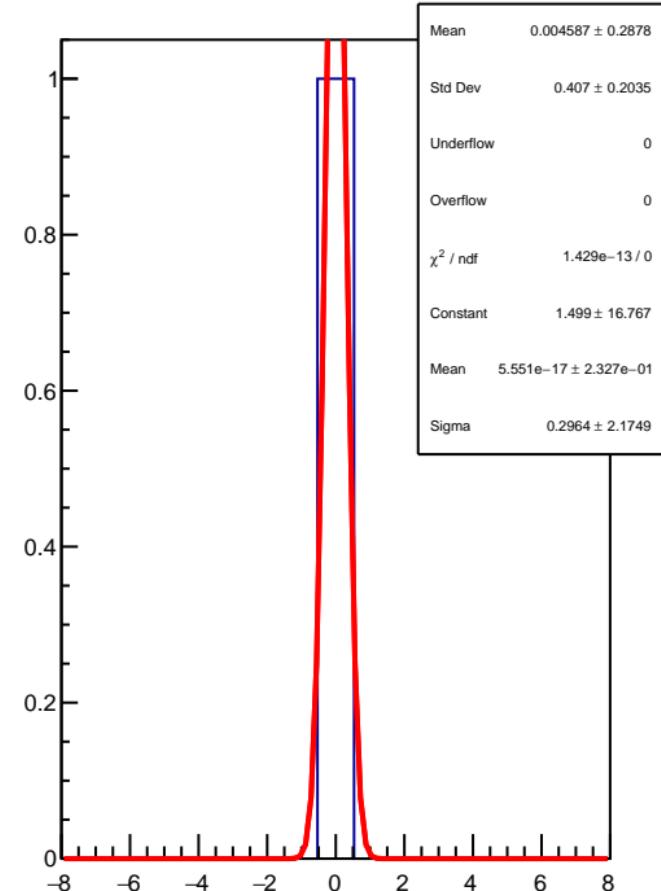


corr_usr_bpm16Y (ppb)

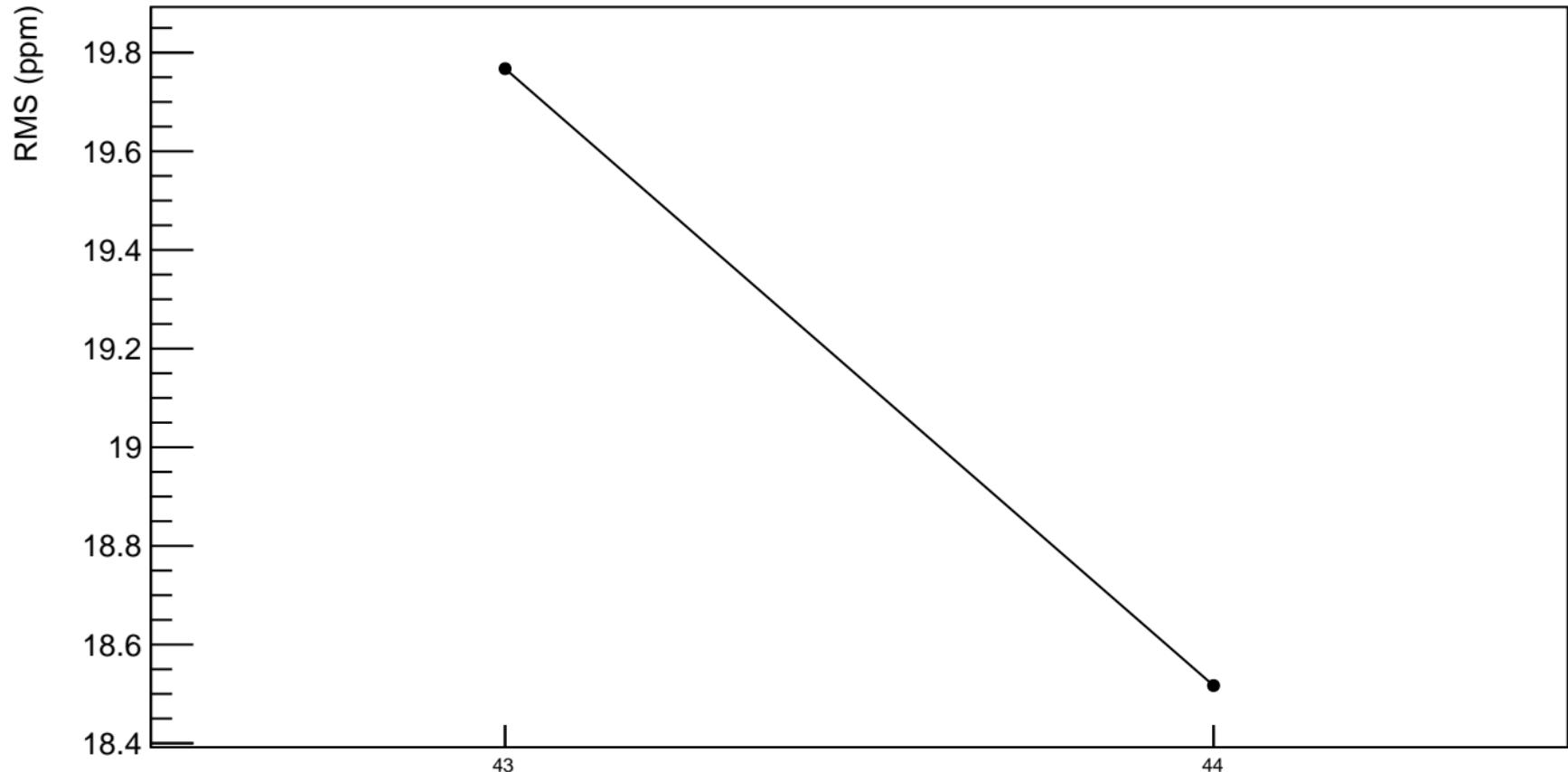
χ^2 / ndf 0.3313 / 1
p0 -3.105 ± 22.06



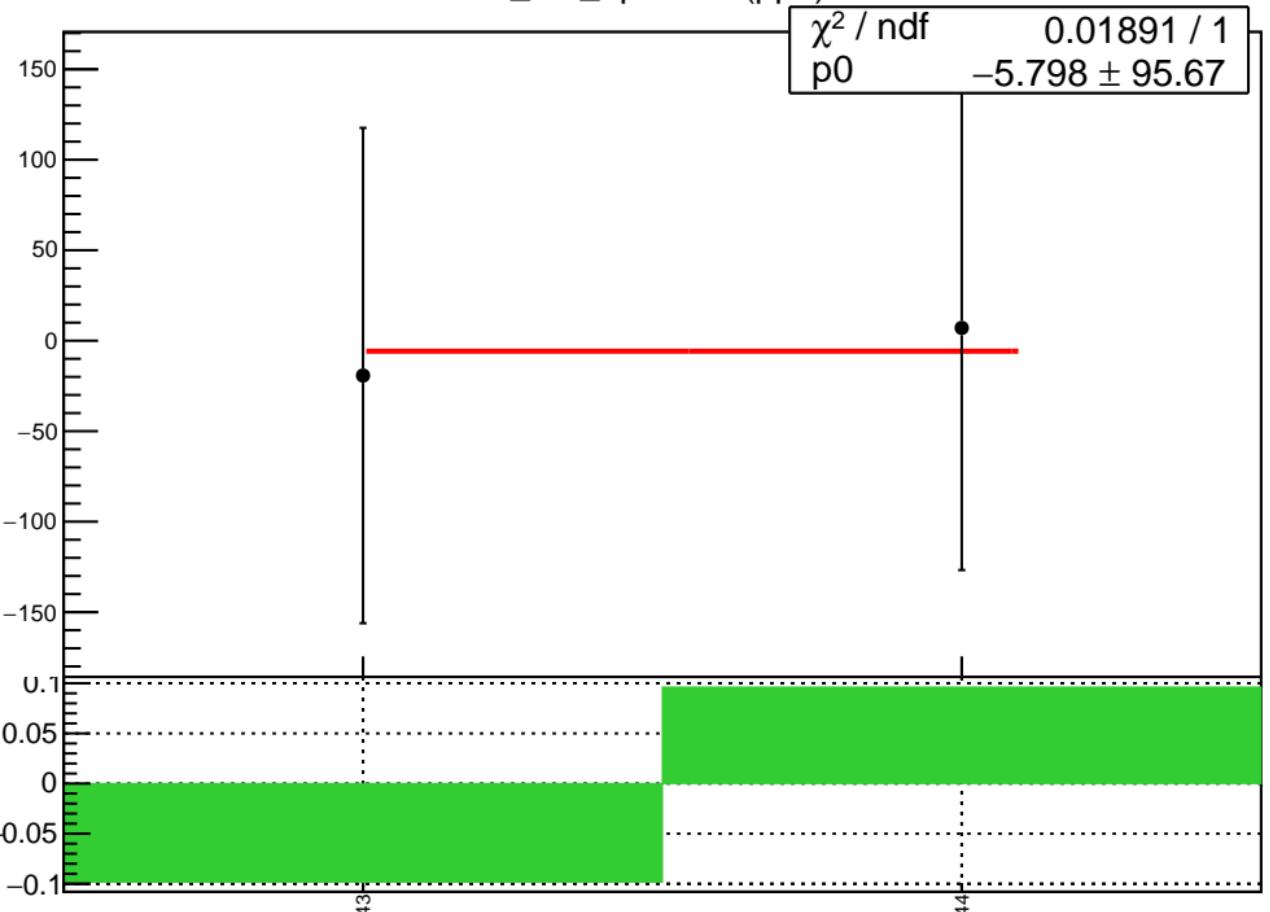
1D pull distribution



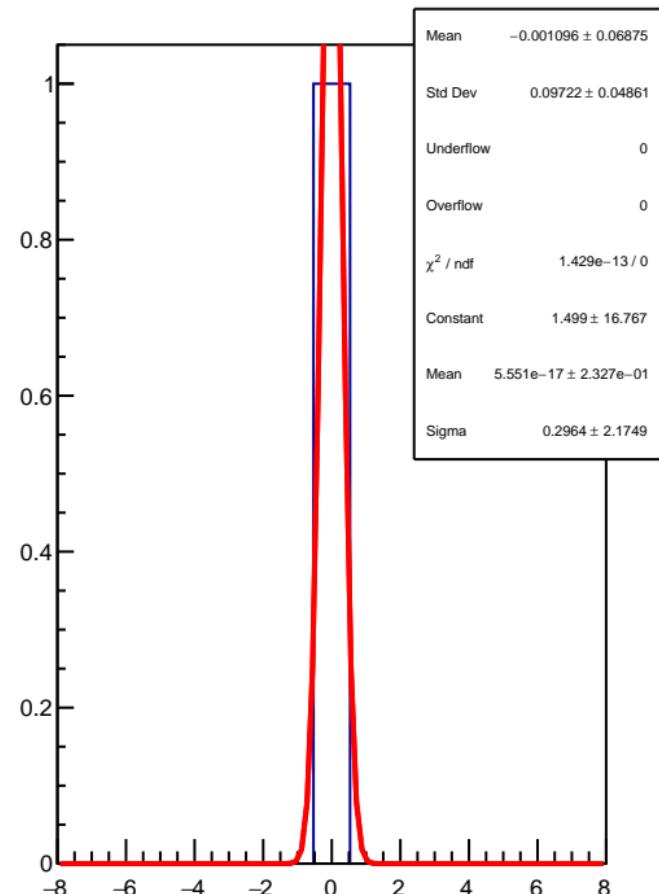
corr_usr_bpm16Y RMS (ppm)



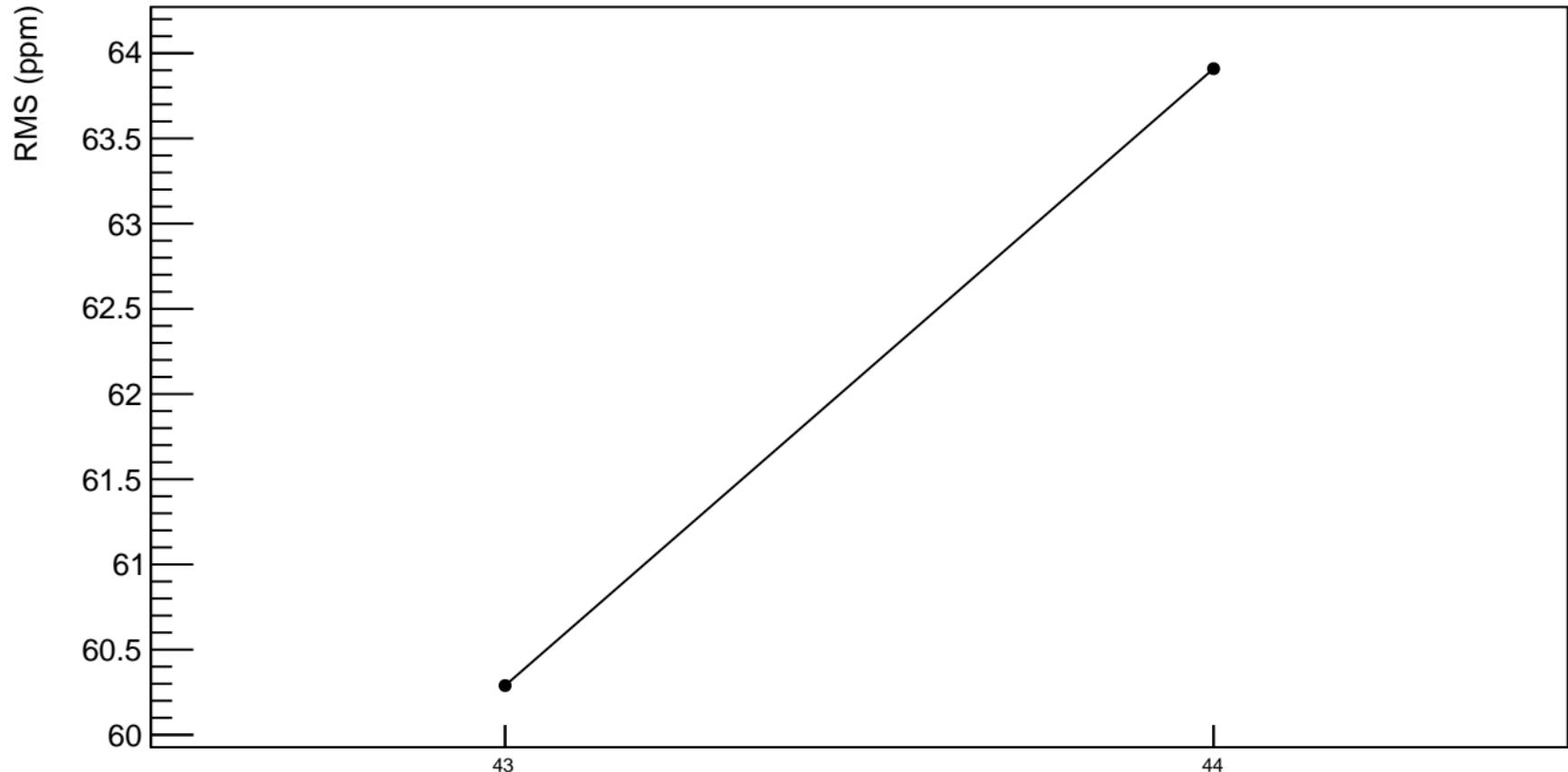
corr_usr_bpm12X (ppb)



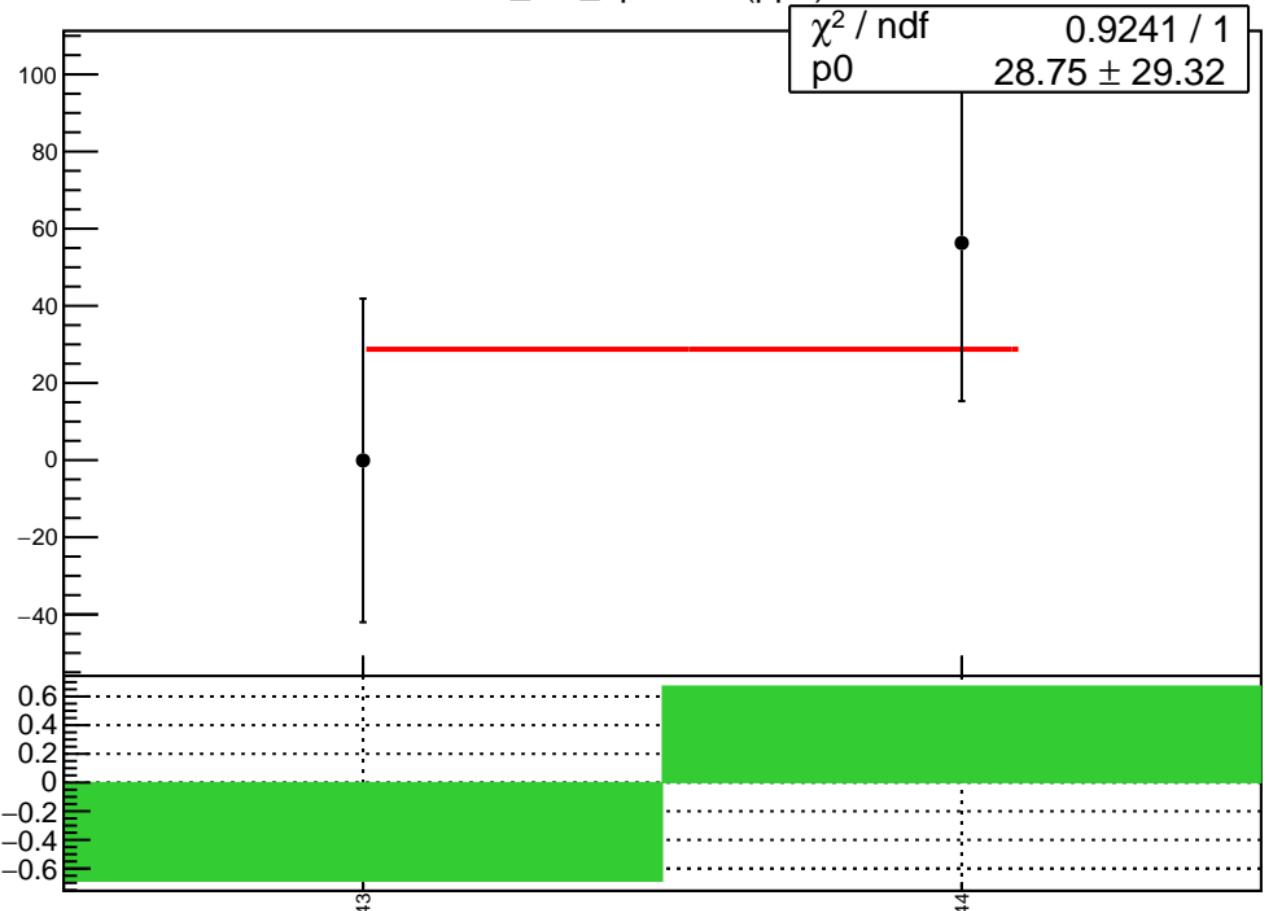
1D pull distribution



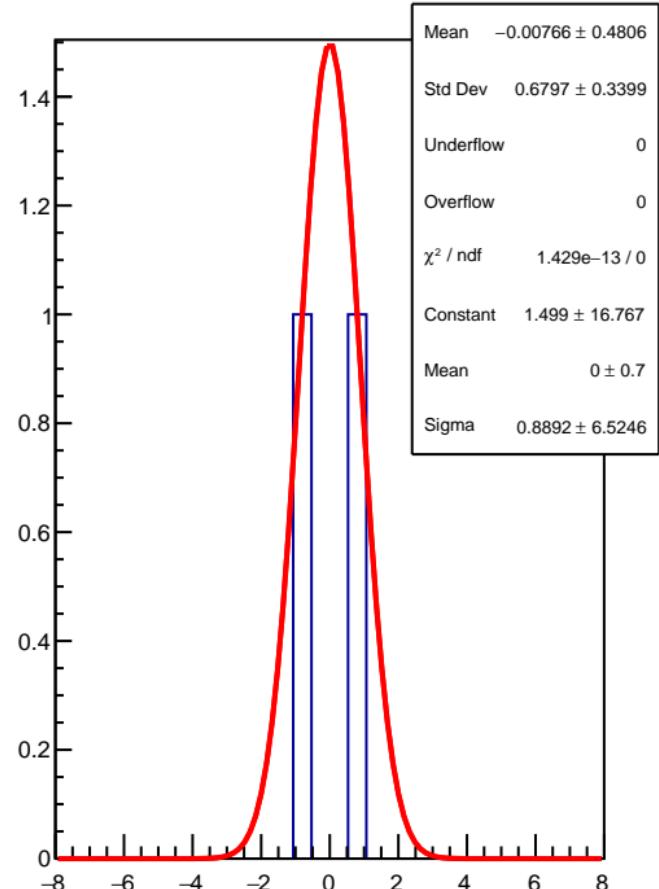
corr_usr_bpm12X RMS (ppm)



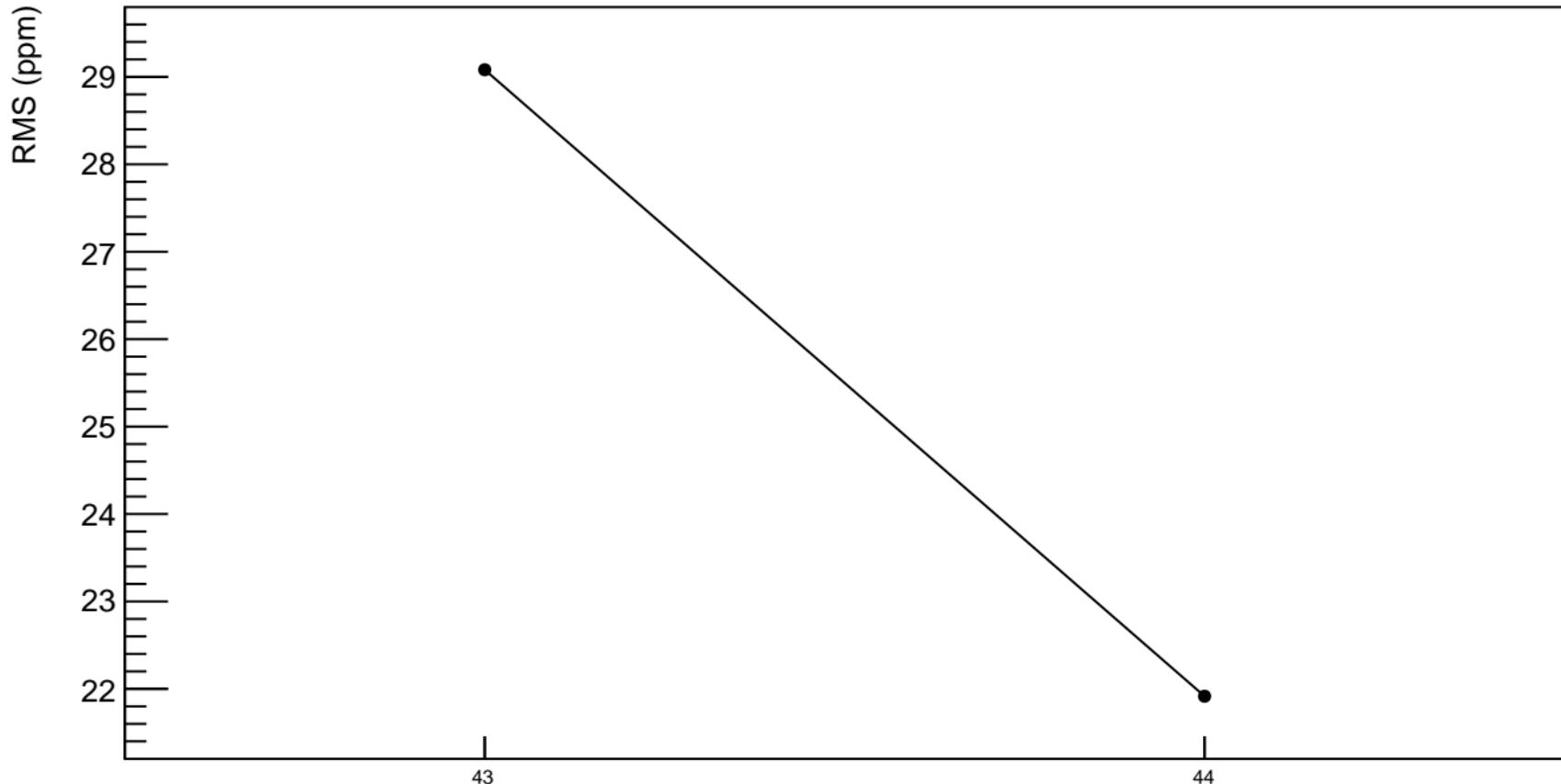
corr_usr_bpm12Y (ppb)



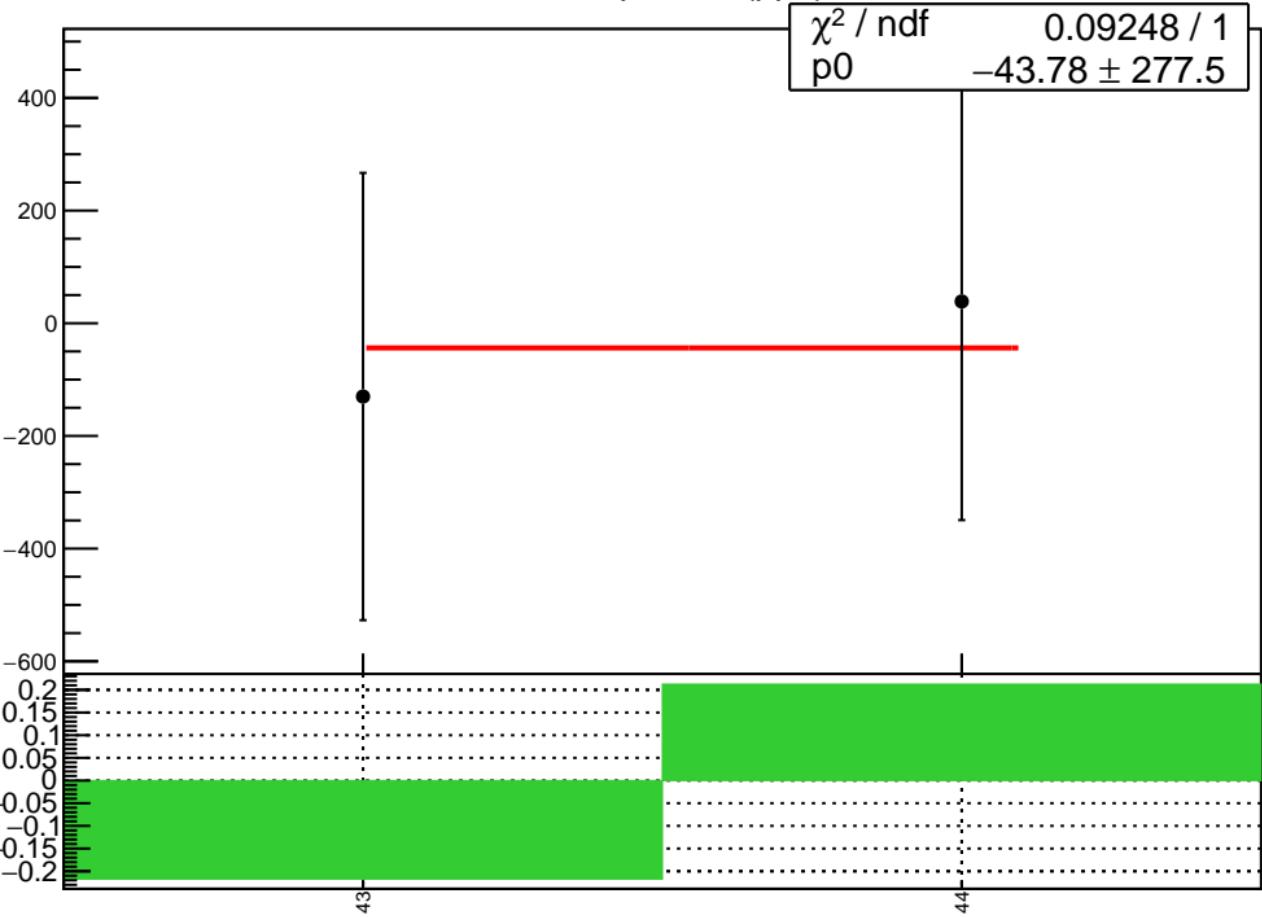
1D pull distribution



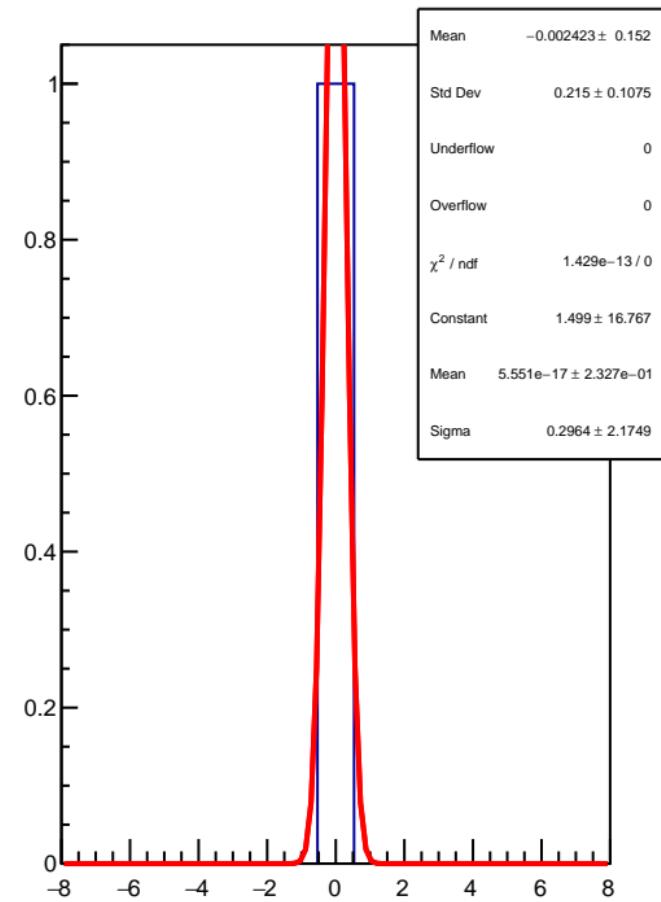
corr_usr_bpm12Y RMS (ppm)



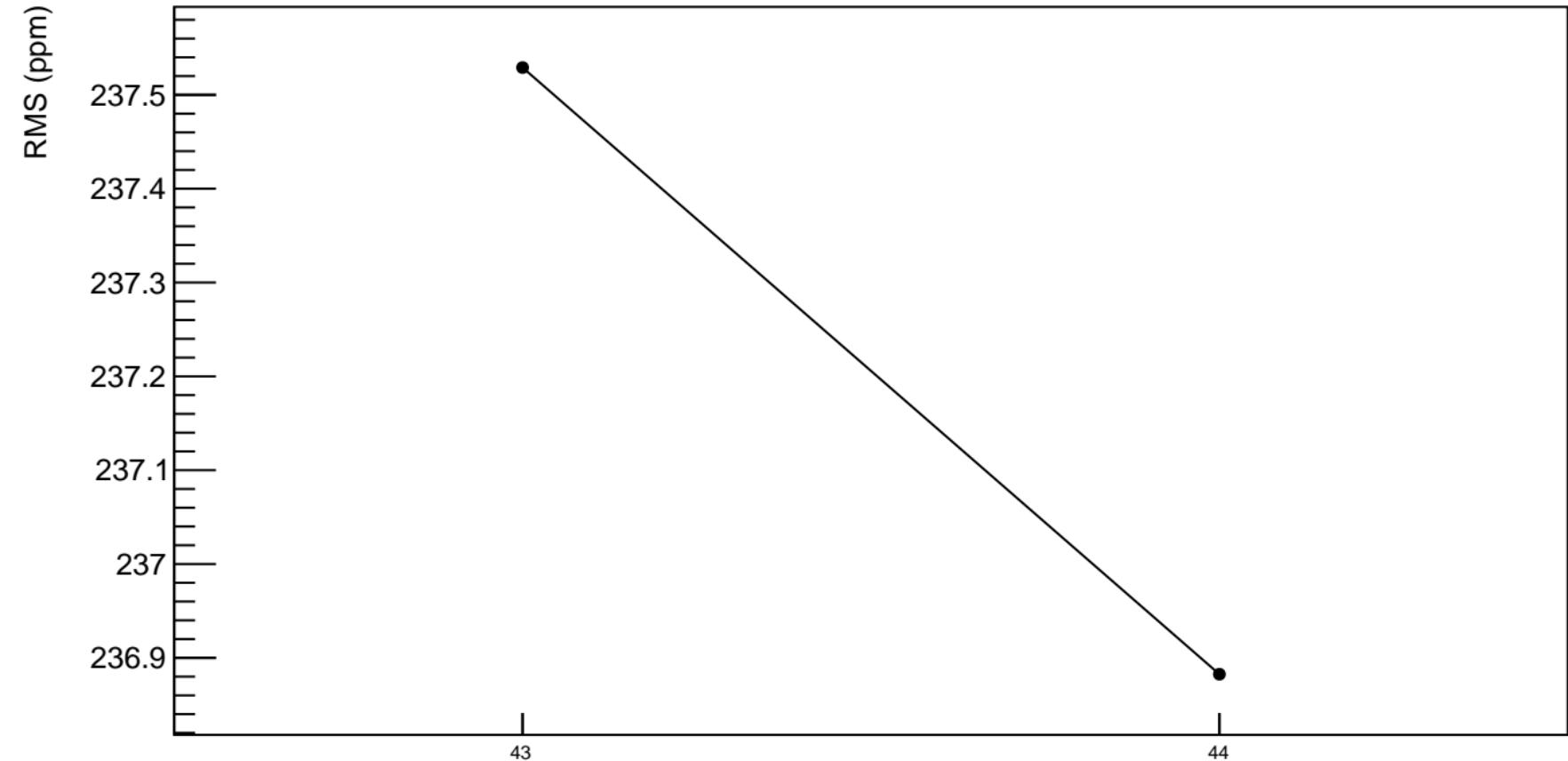
corr_usr_bpm11X (ppb)



1D pull distribution

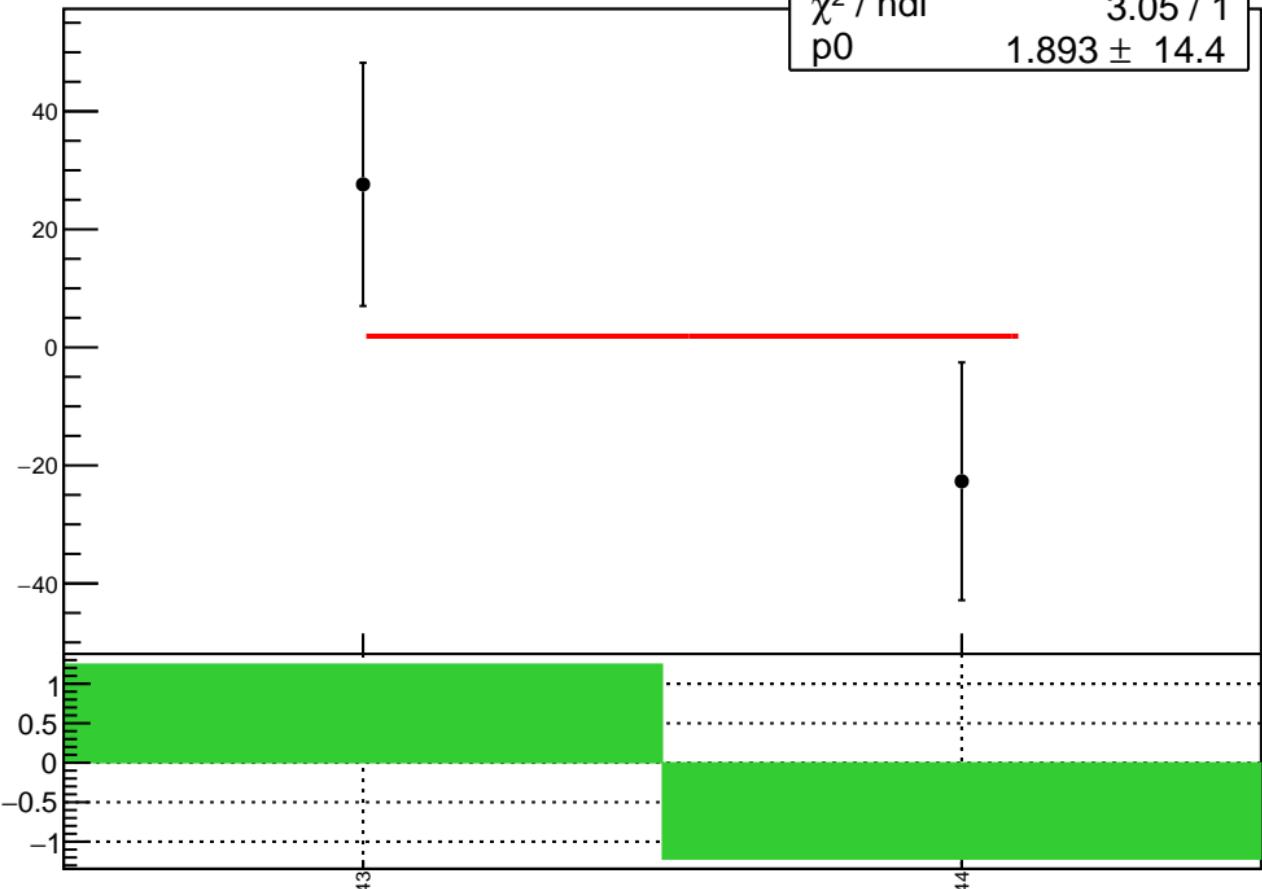


corr_usr_bpm11X RMS (ppm)

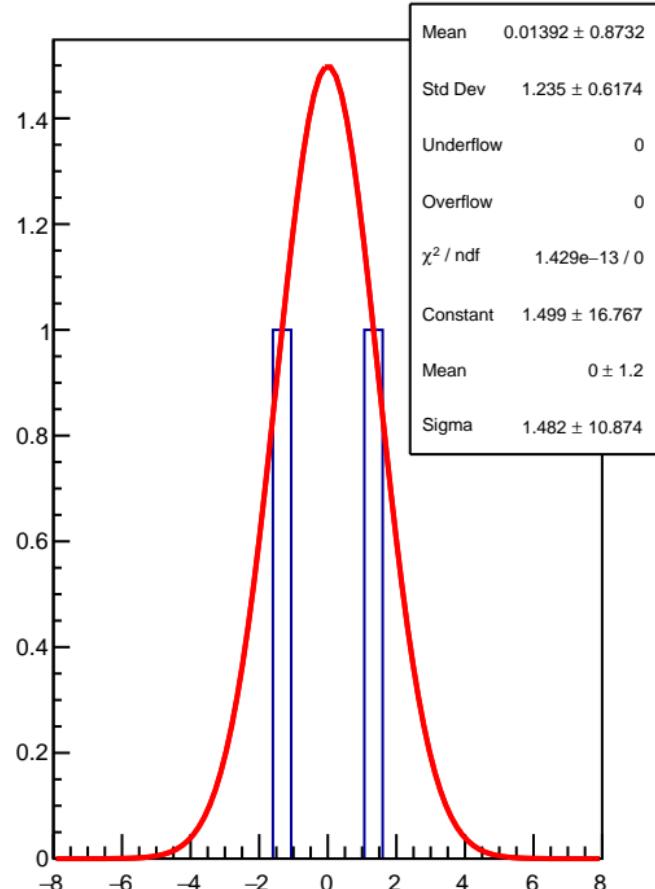


corr_usr_bpm11Y (ppb)

χ^2 / ndf 3.05 / 1
p0 1.893 ± 14.4



1D pull distribution



corr_usr_bpm11Y RMS (ppm)

