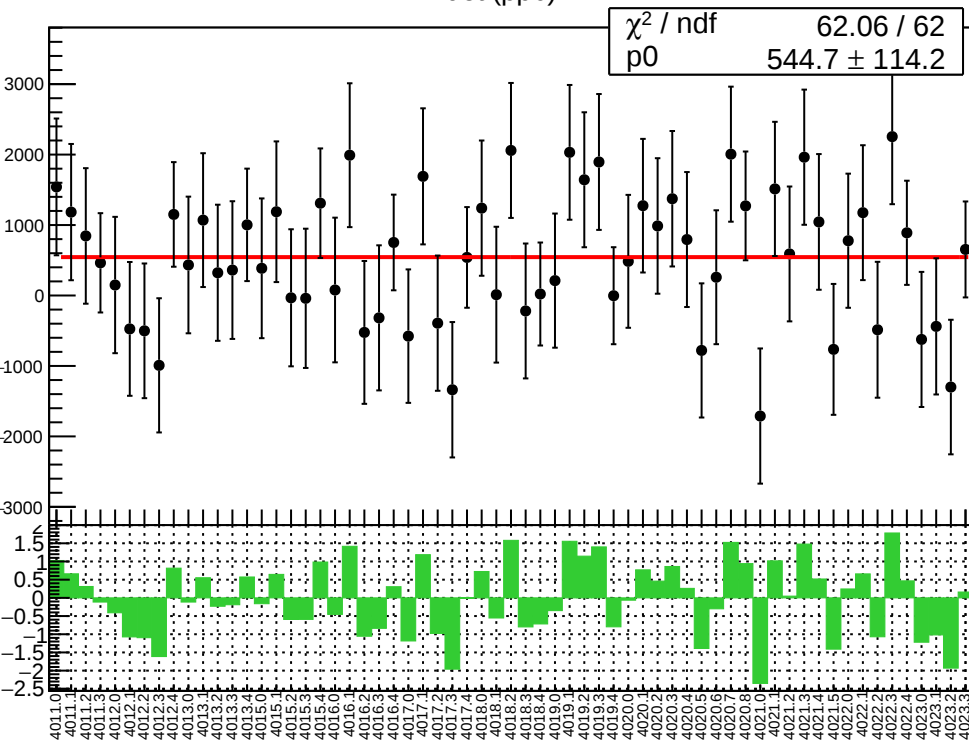
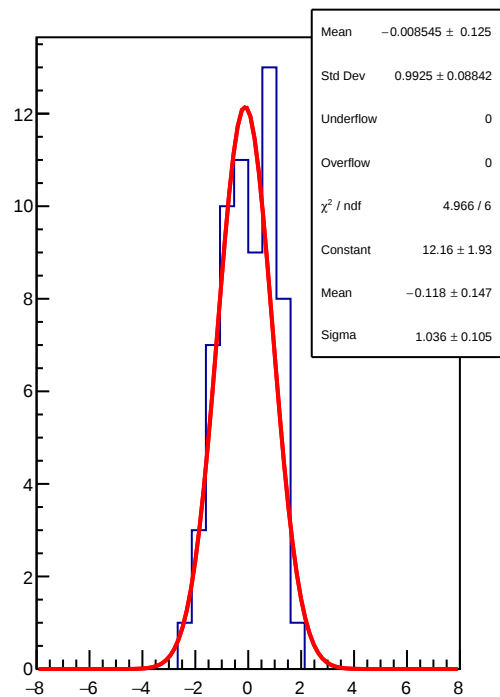


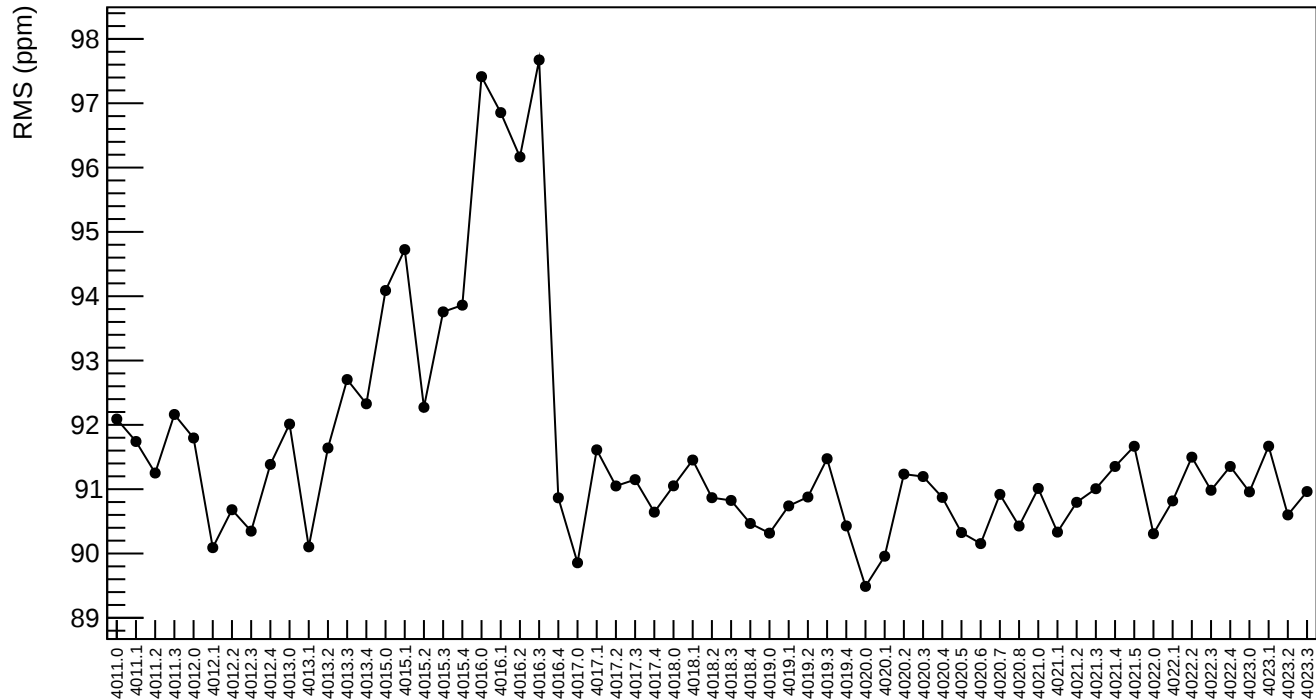
Adet (ppb)



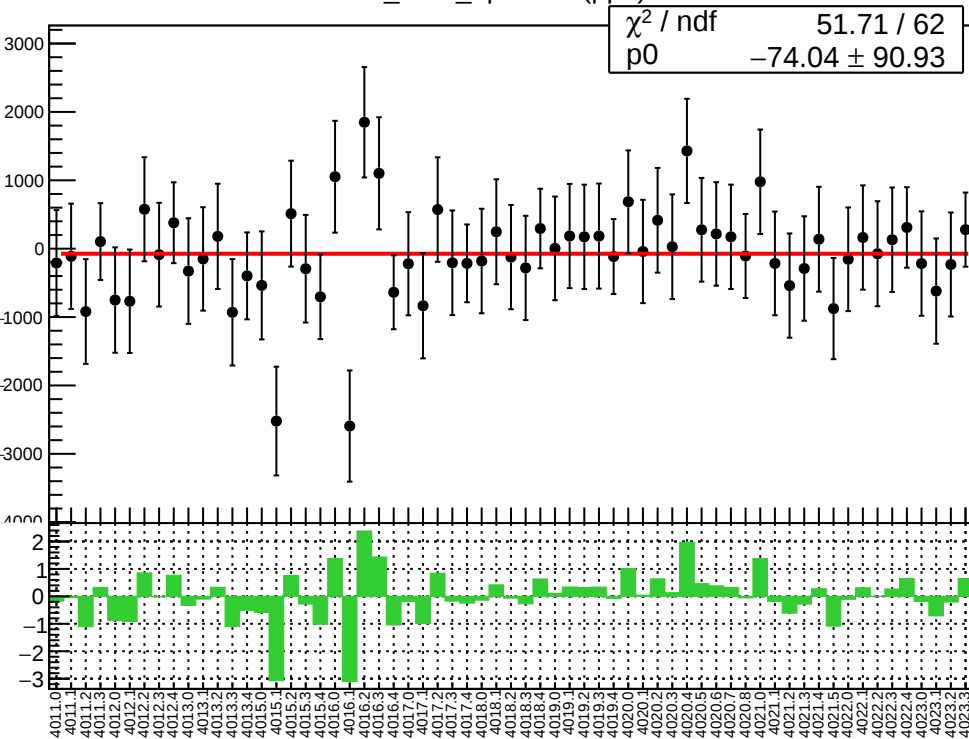
1D pull distribution



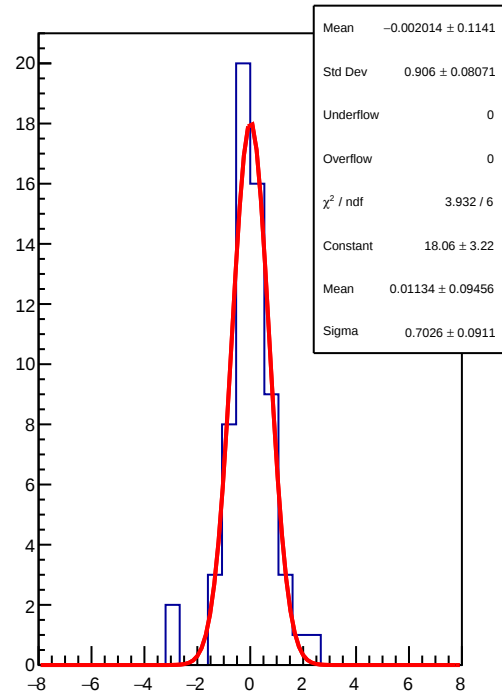
# Adet RMS (ppm)



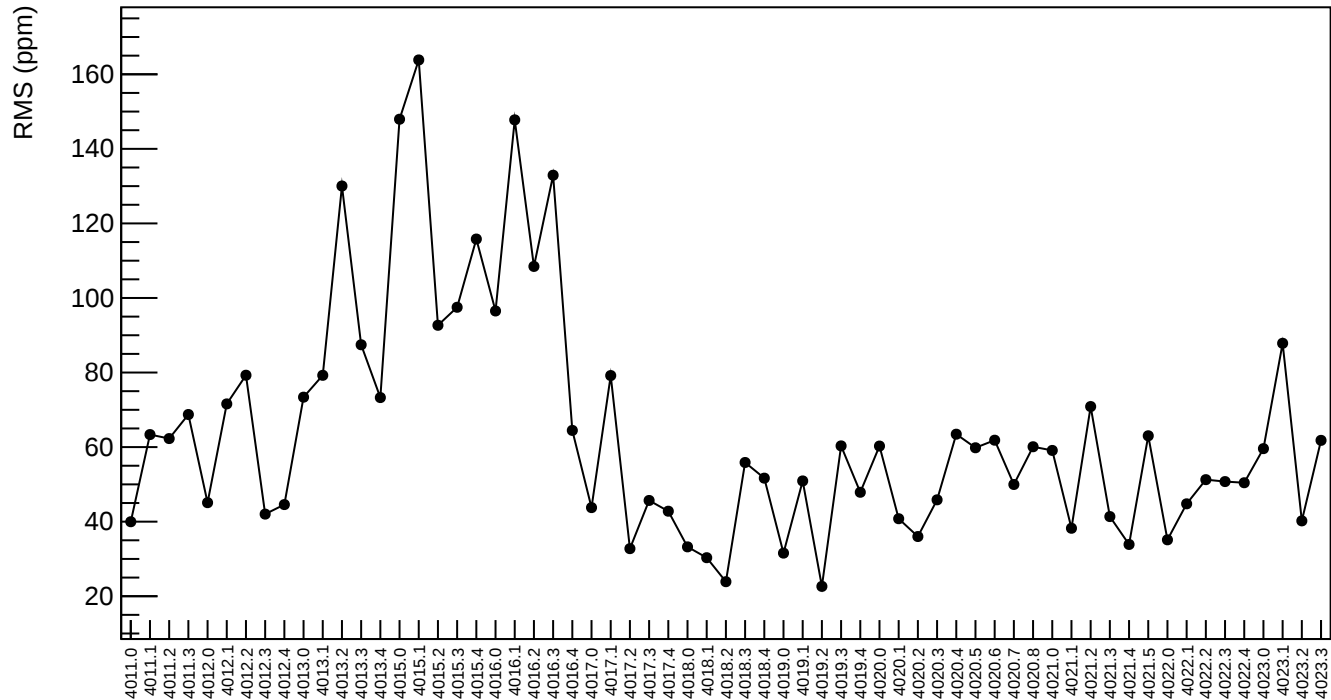
corr\_Adet\_bpm4eX (ppb)



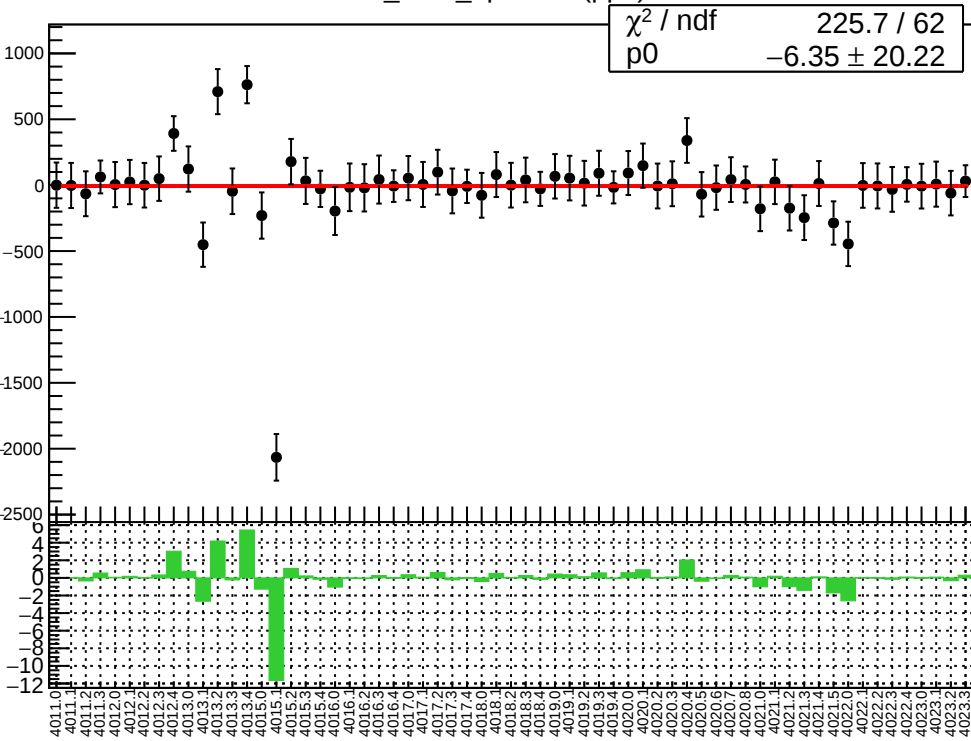
1D pull distribution



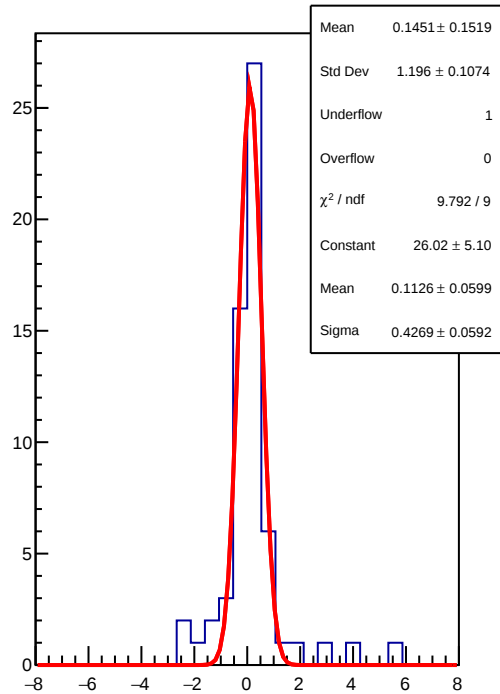
corr\_Adet\_bpm4eX RMS (ppm)



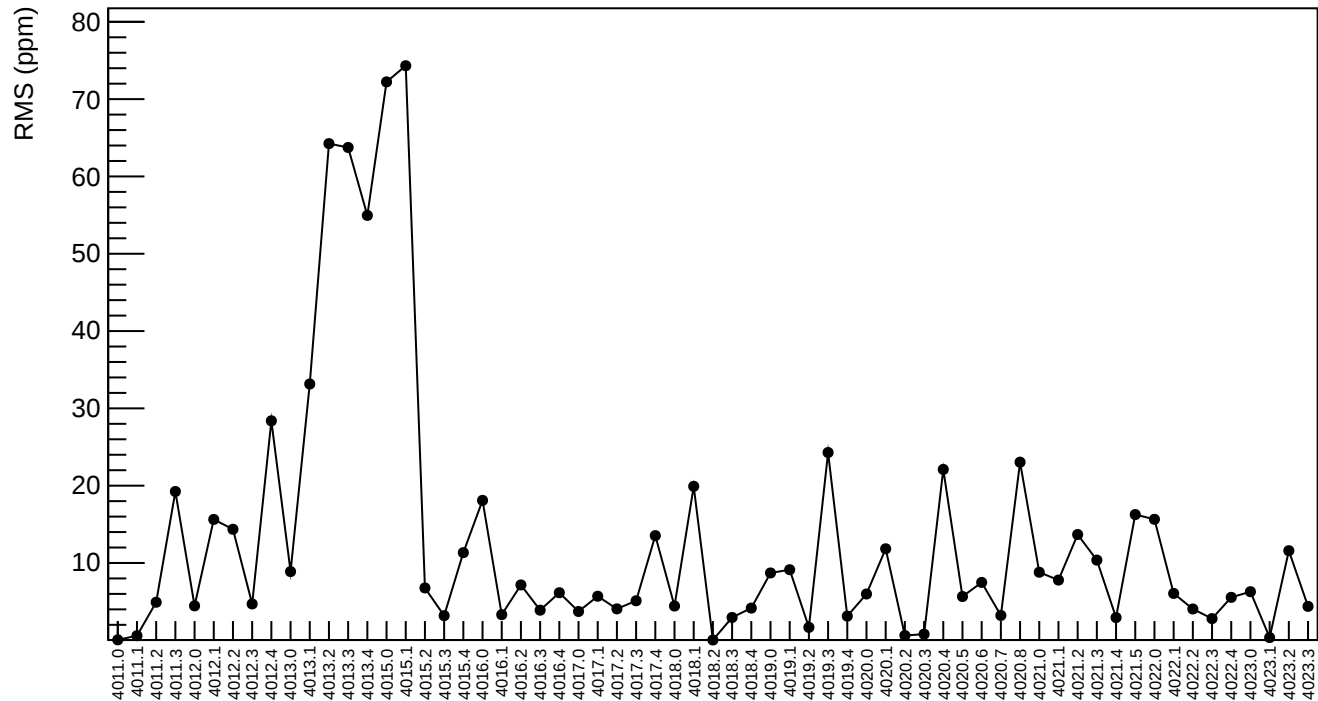
corr\_Adet\_bpm4eY (ppb)



1D pull distribution



corr\_Adet\_bpm4eY RMS (ppm)

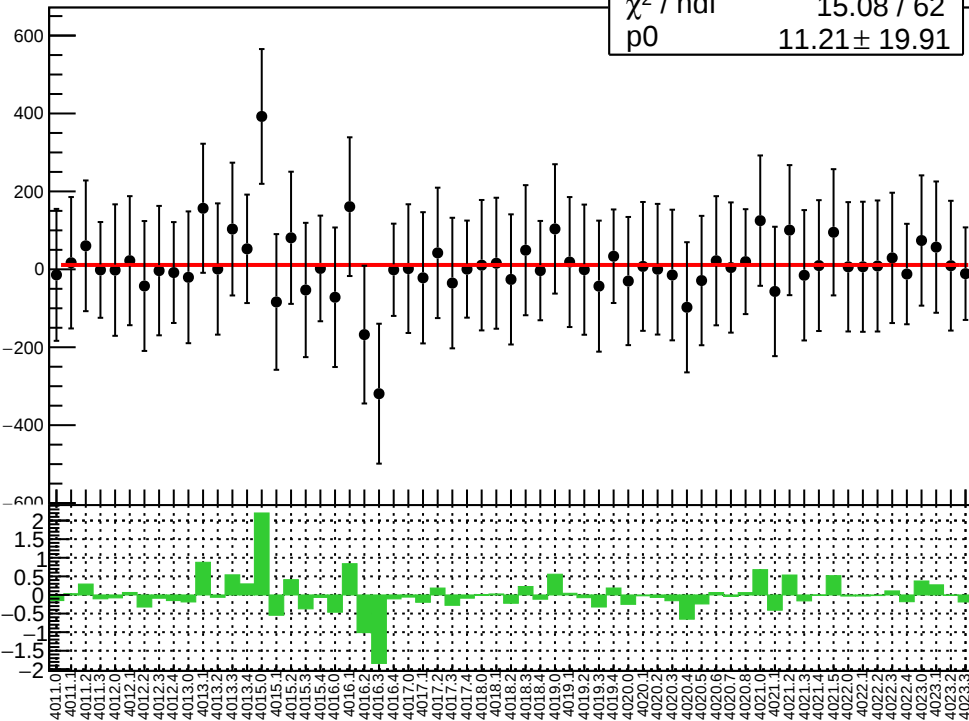


corr\_Adet\_bpm4aX (ppb)

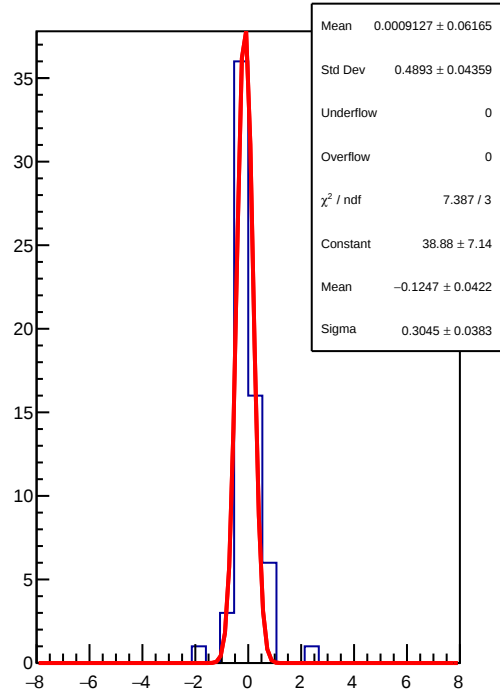
 $\chi^2 / \text{ndf}$ 

15.08 / 62

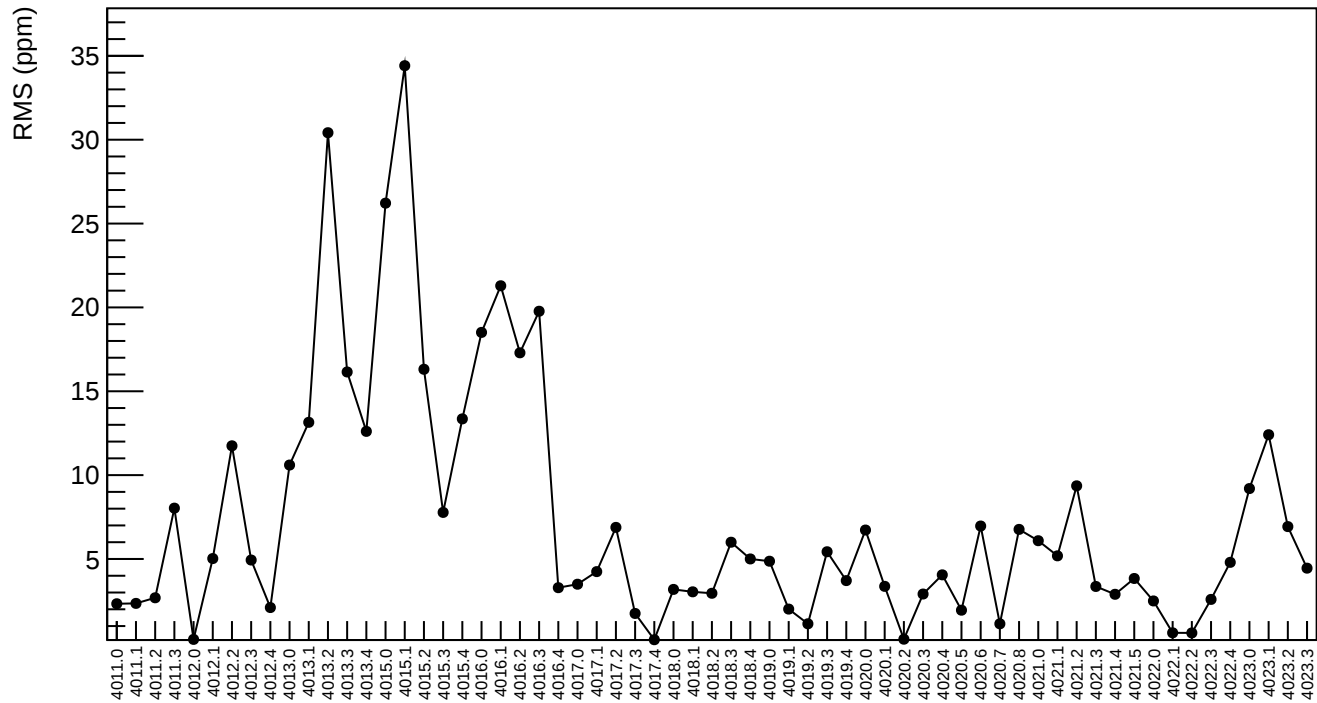
p0

 $11.21 \pm 19.91$ 

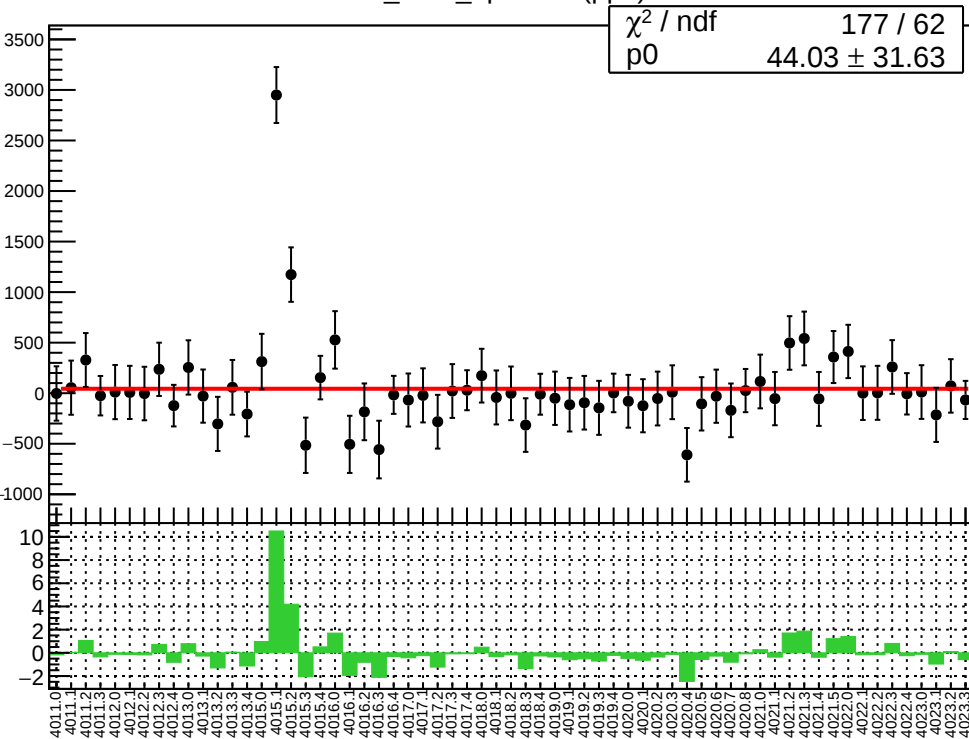
1D pull distribution



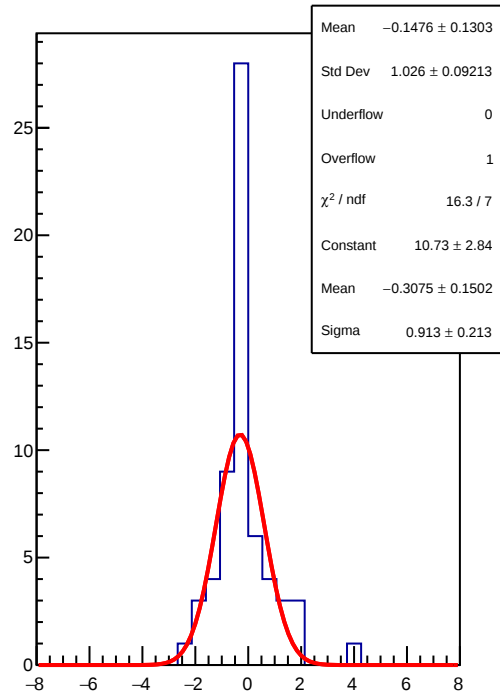
corr\_Adet\_bpm4aX RMS (ppm)



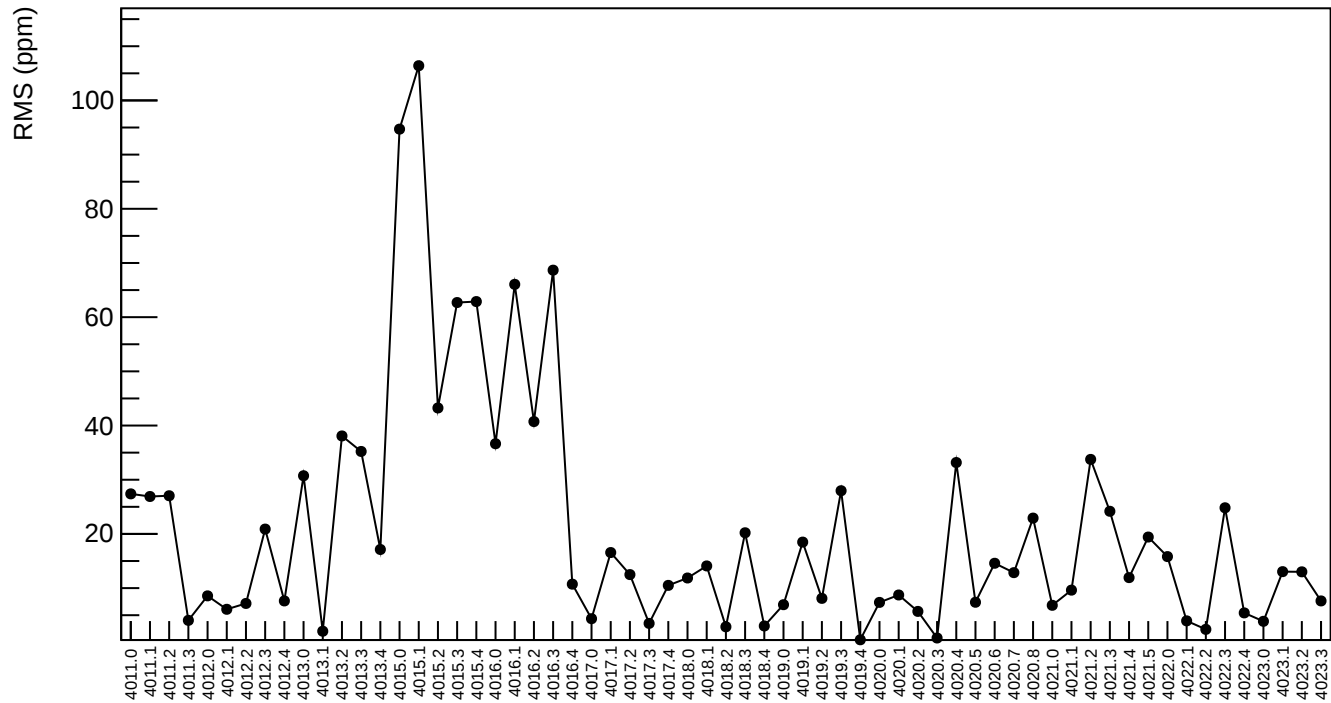
corr\_Adet\_bpm4aY (ppb)



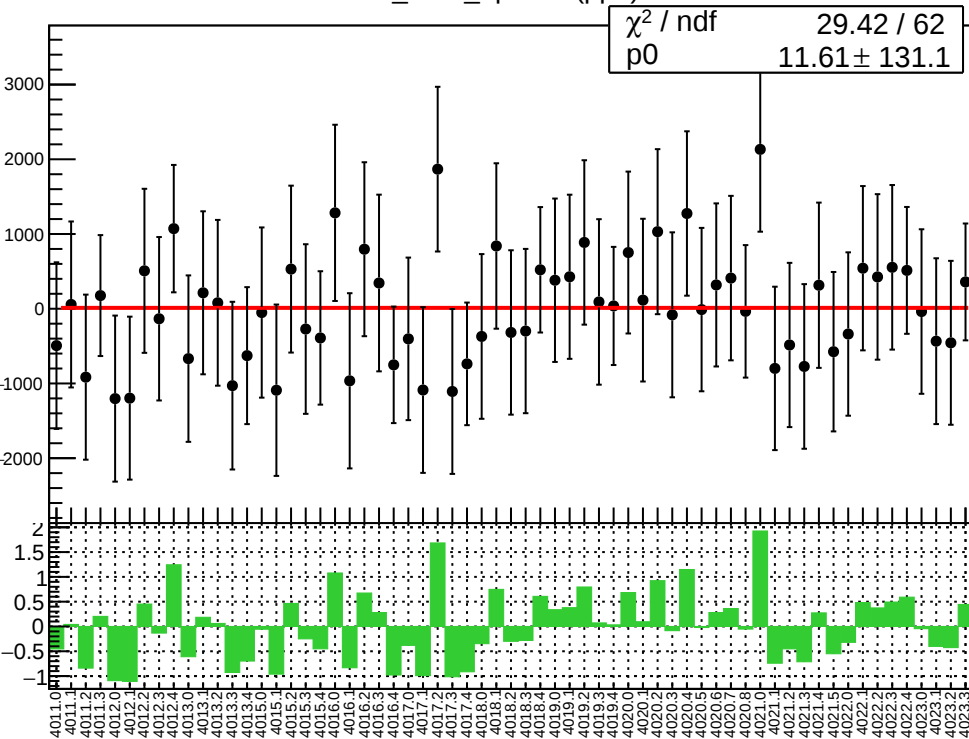
1D pull distribution



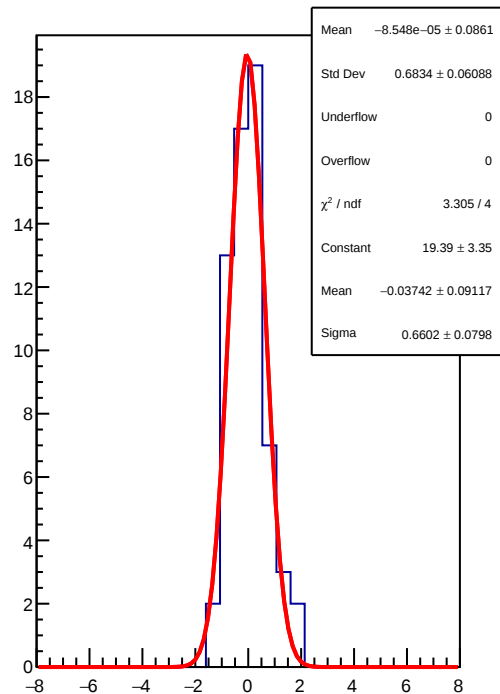
corr\_Adet\_bpm4aY RMS (ppm)



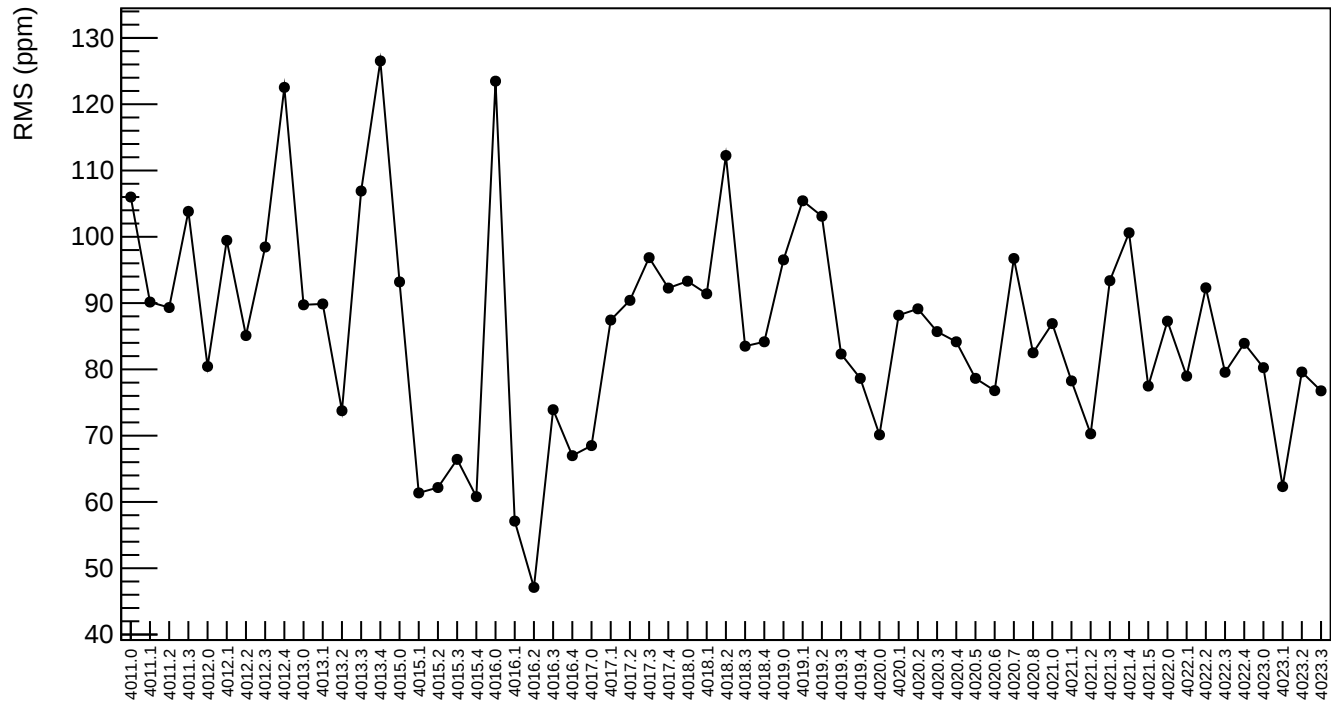
corr\_Adet\_bpm1X (ppb)



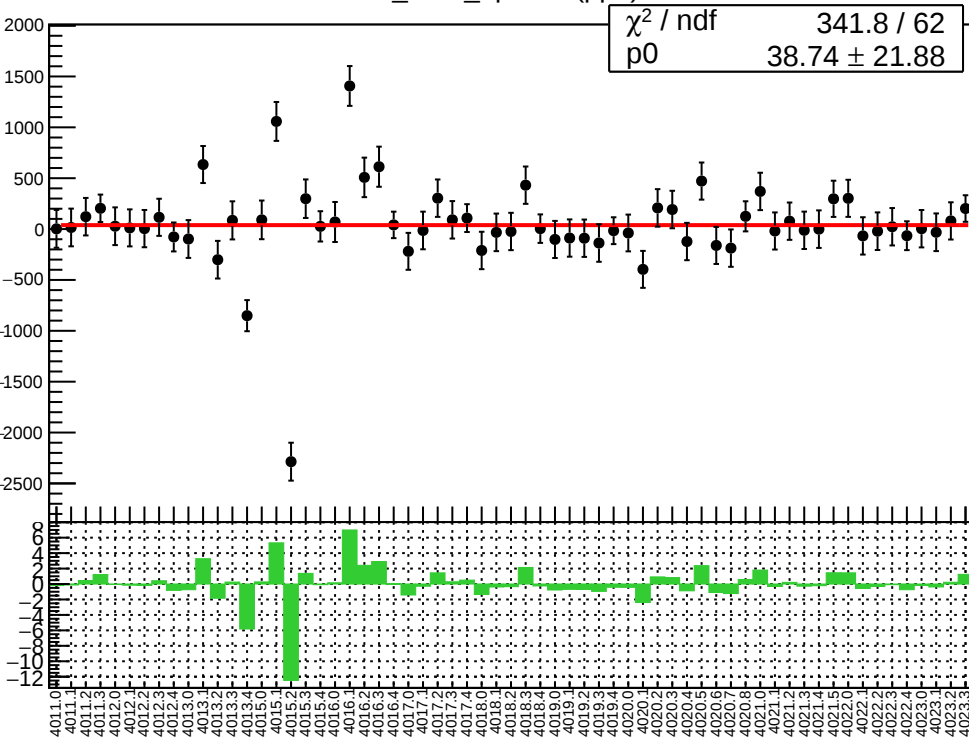
1D pull distribution



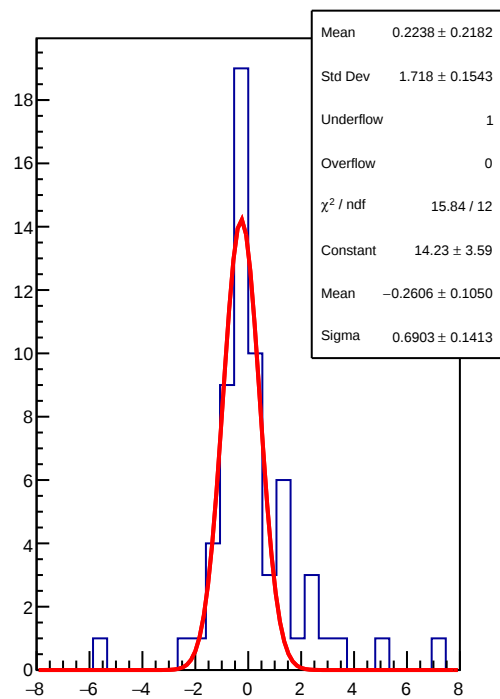
corr\_Adet\_bpm1X RMS (ppm)



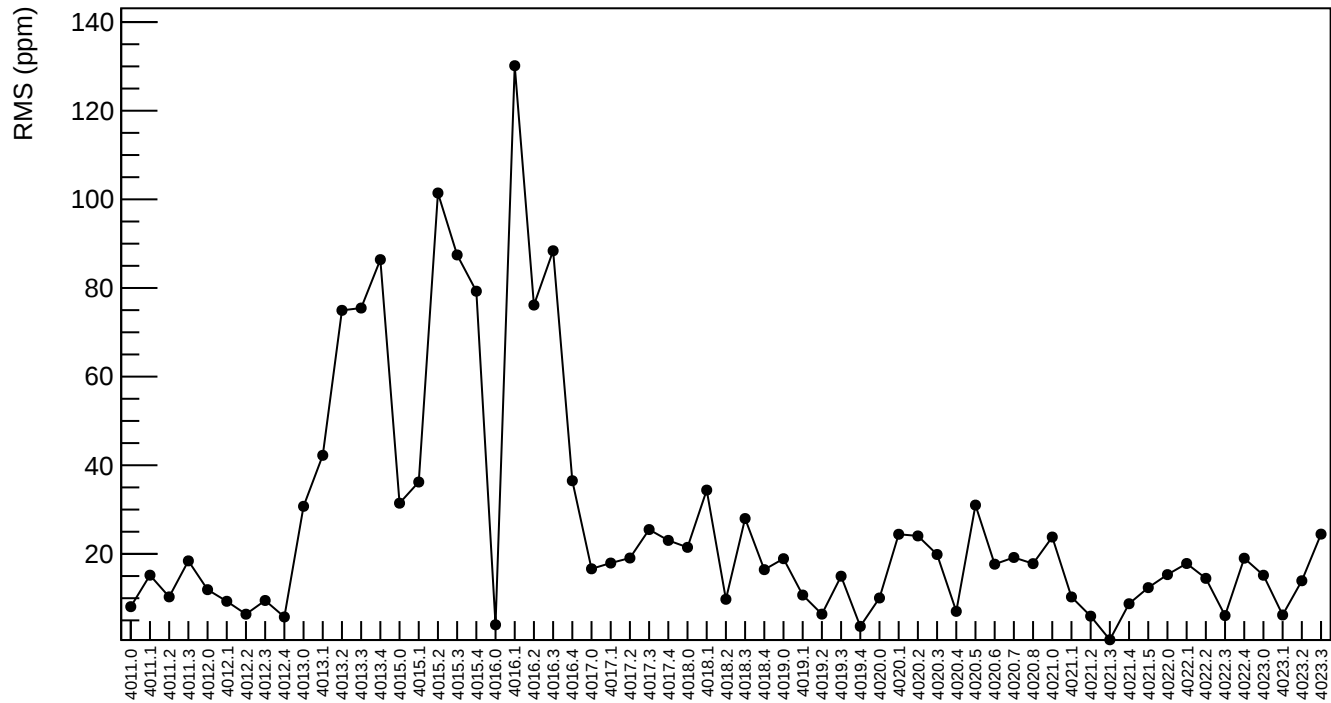
corr\_Adet\_bpm1Y (ppb)



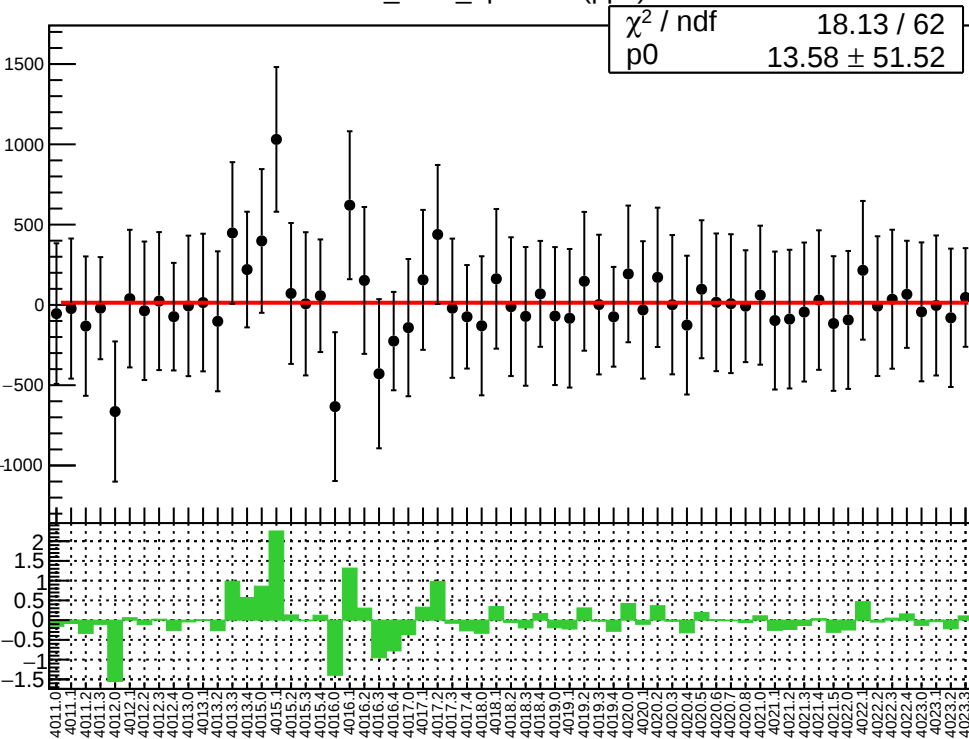
1D pull distribution



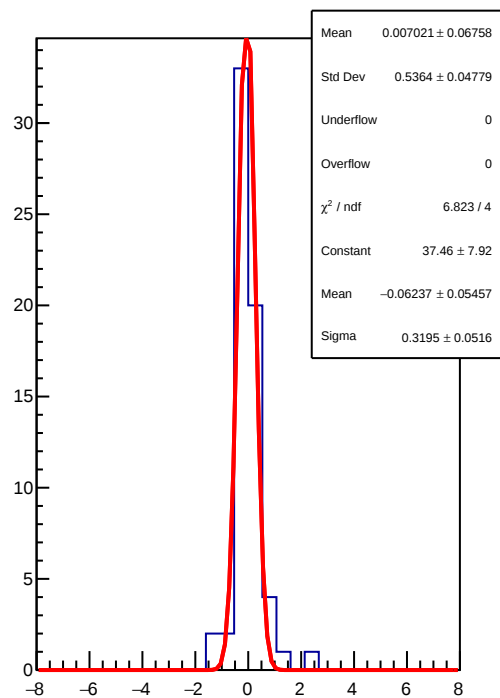
corr\_Adet\_bpm1Y RMS (ppm)



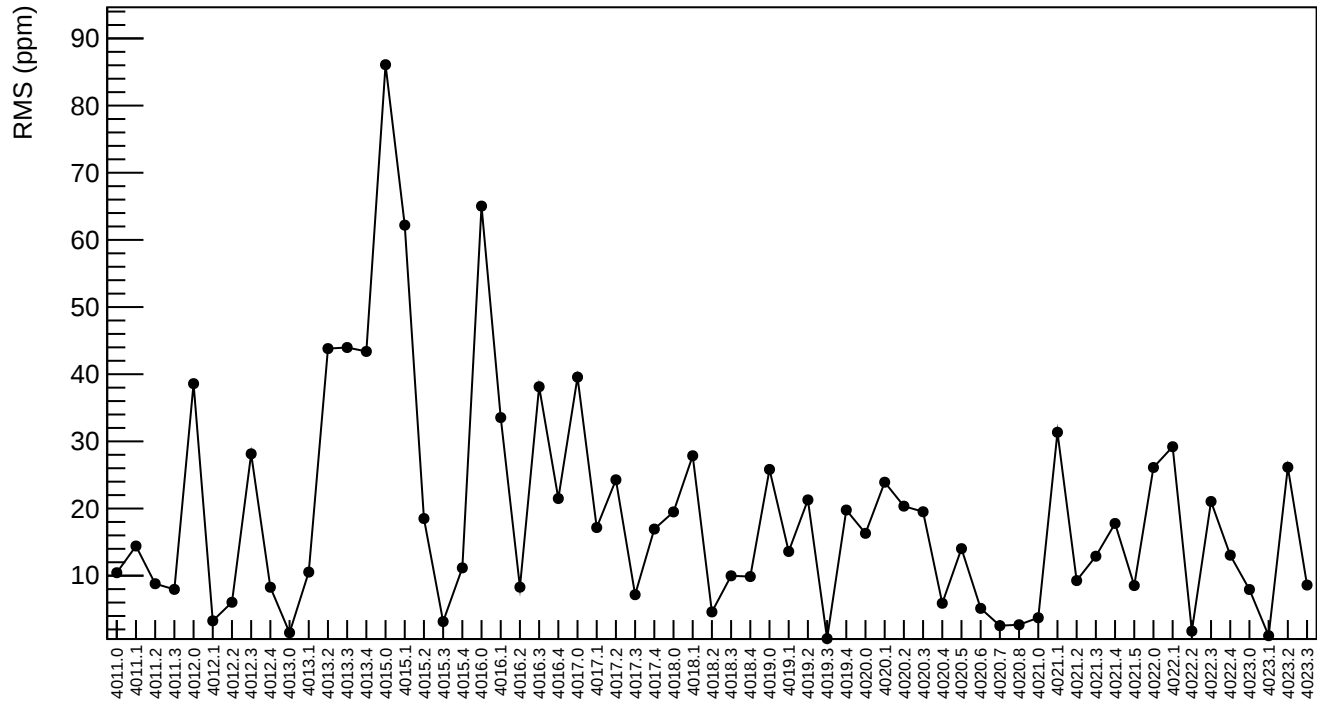
corr\_Adet\_bpm16X (ppb)



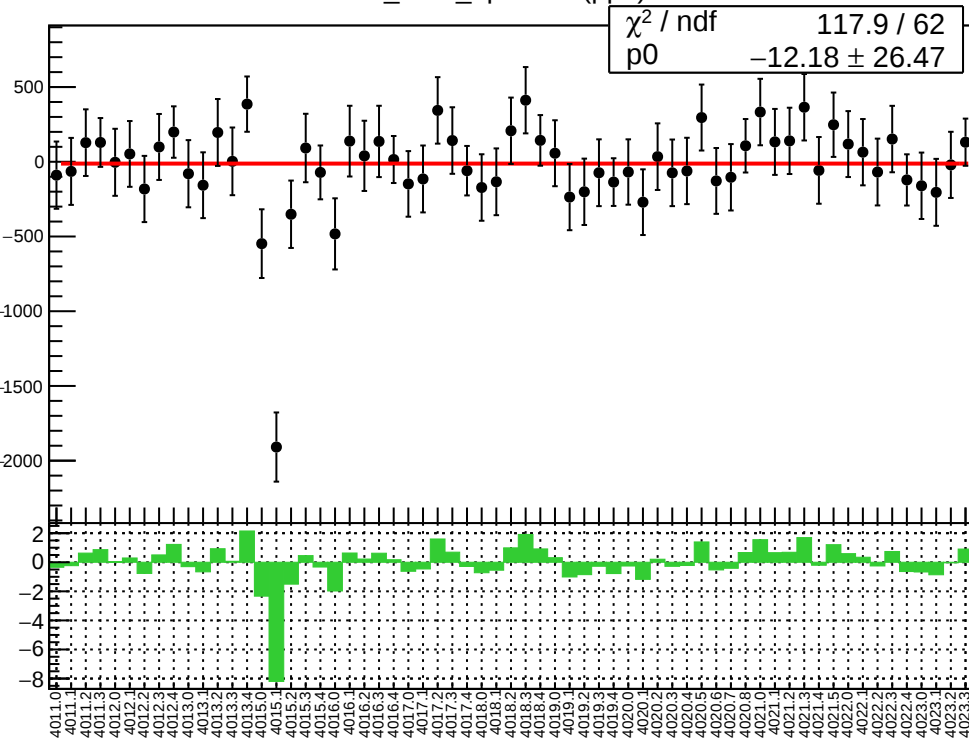
1D pull distribution



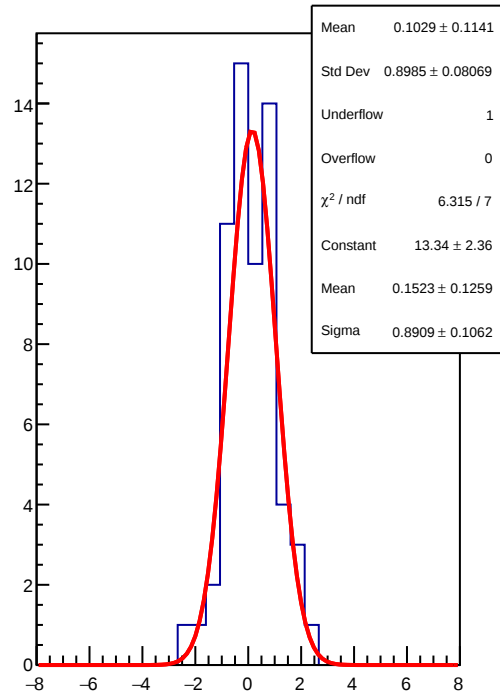
corr\_Adet\_bpm16X RMS (ppm)



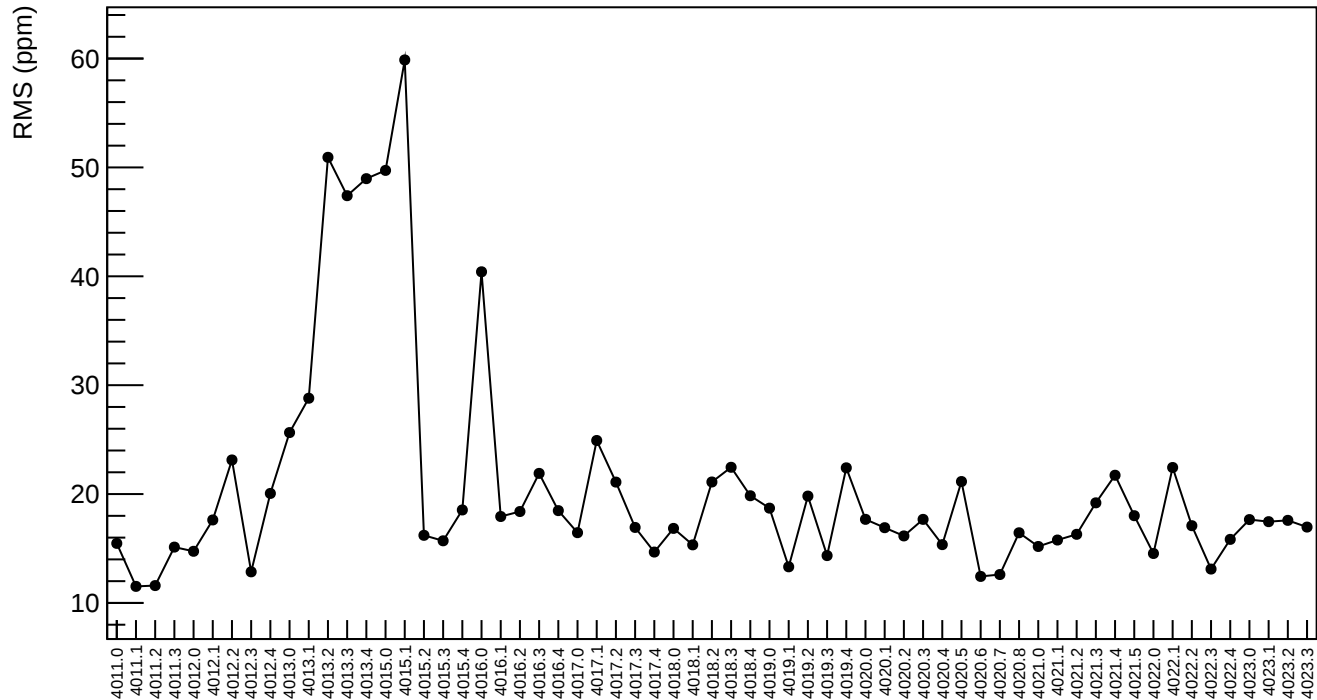
corr\_Adet\_bpm16Y (ppb)



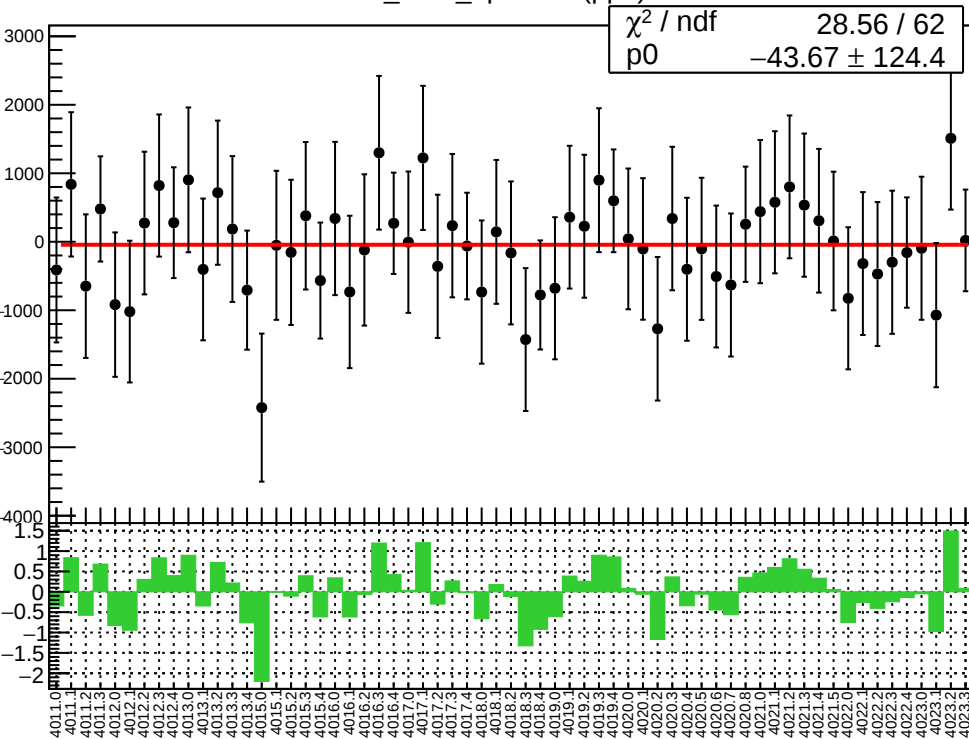
1D pull distribution



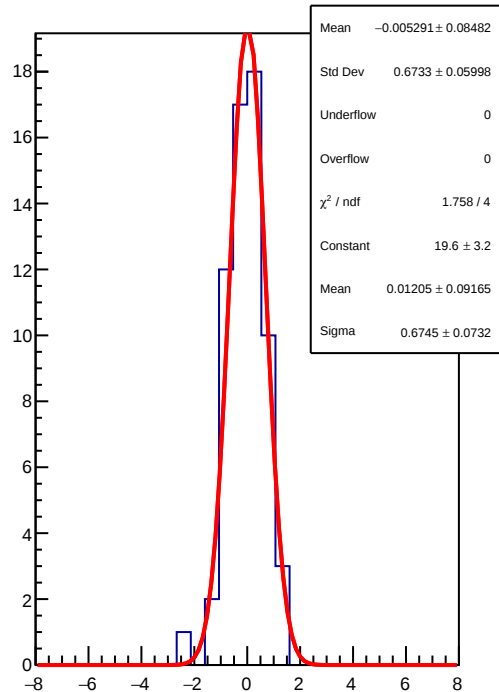
corr\_Adet\_bpm16Y RMS (ppm)



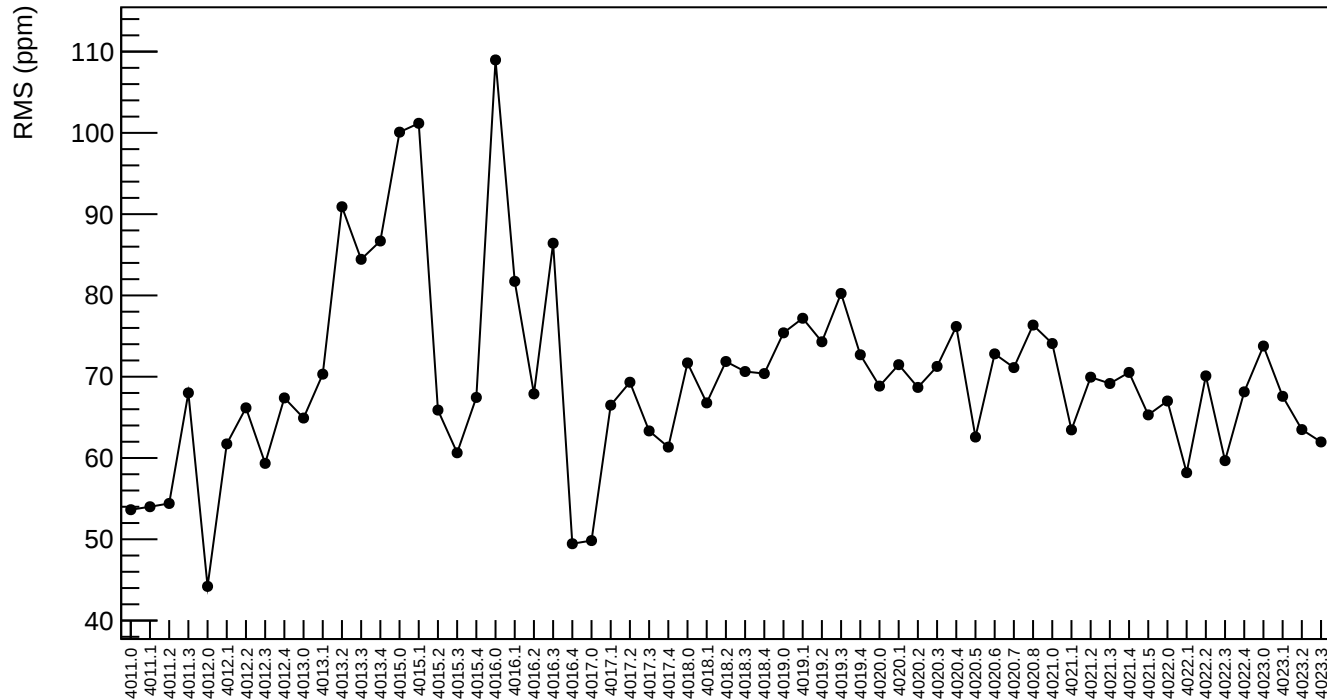
corr\_Adet\_bpm12X (ppb)



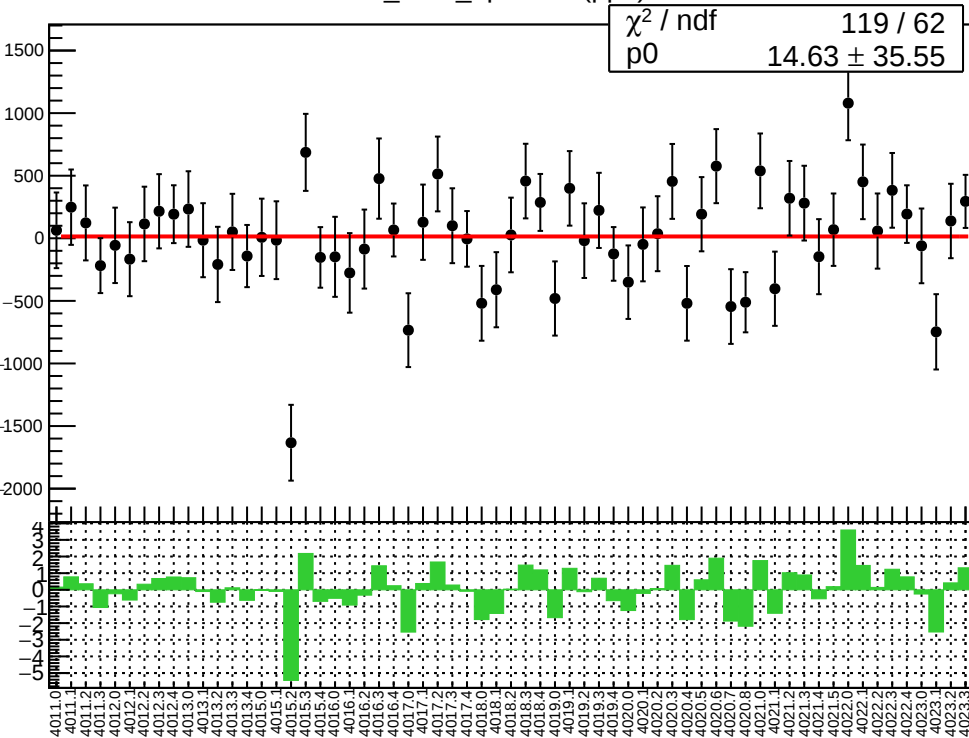
1D pull distribution



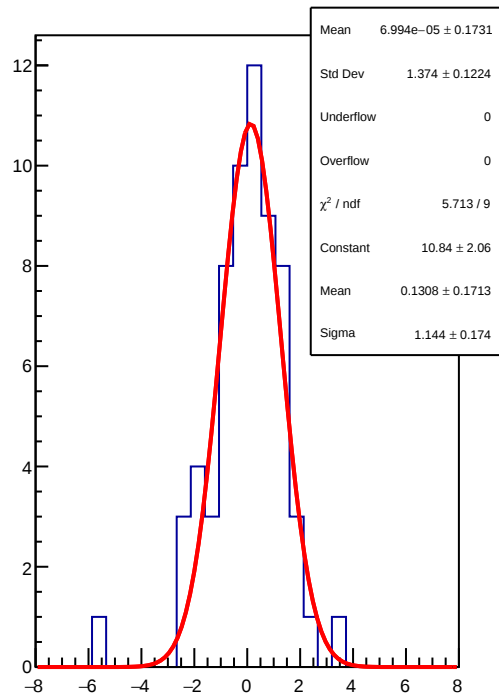
corr\_Adet\_bpm12X RMS (ppm)



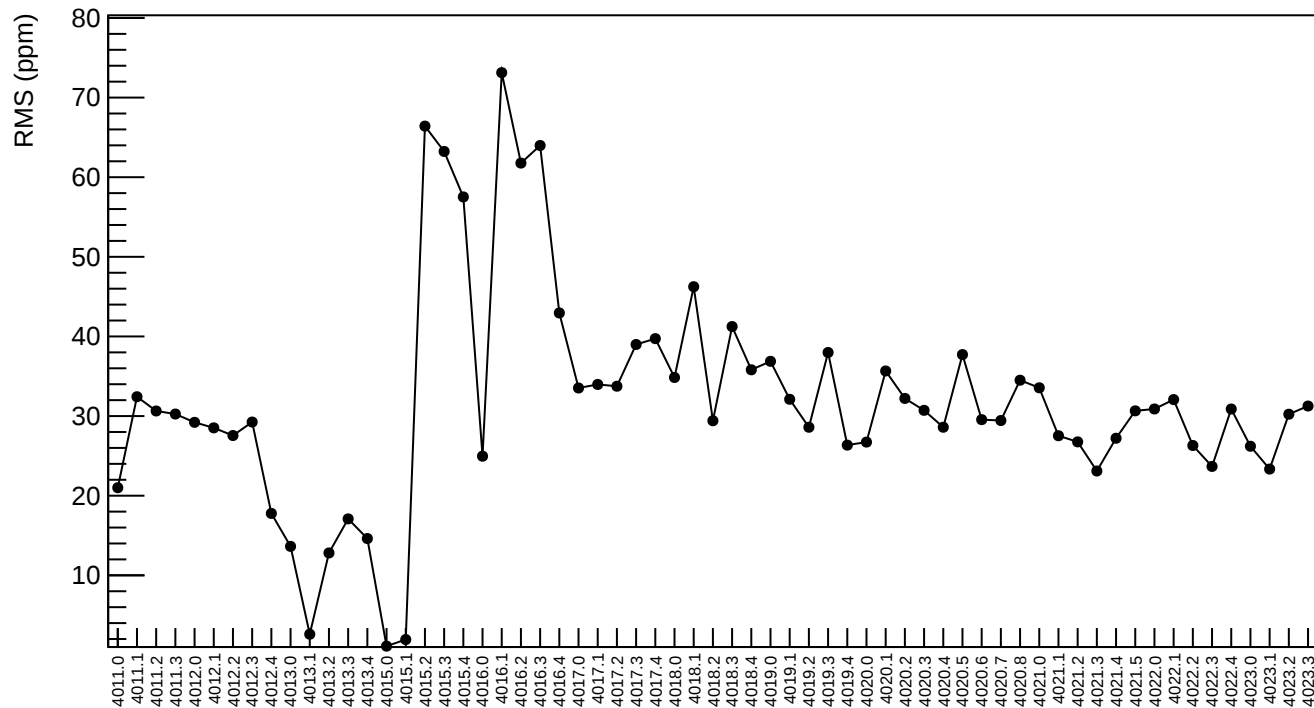
corr\_Adet\_bpm12Y (ppb)



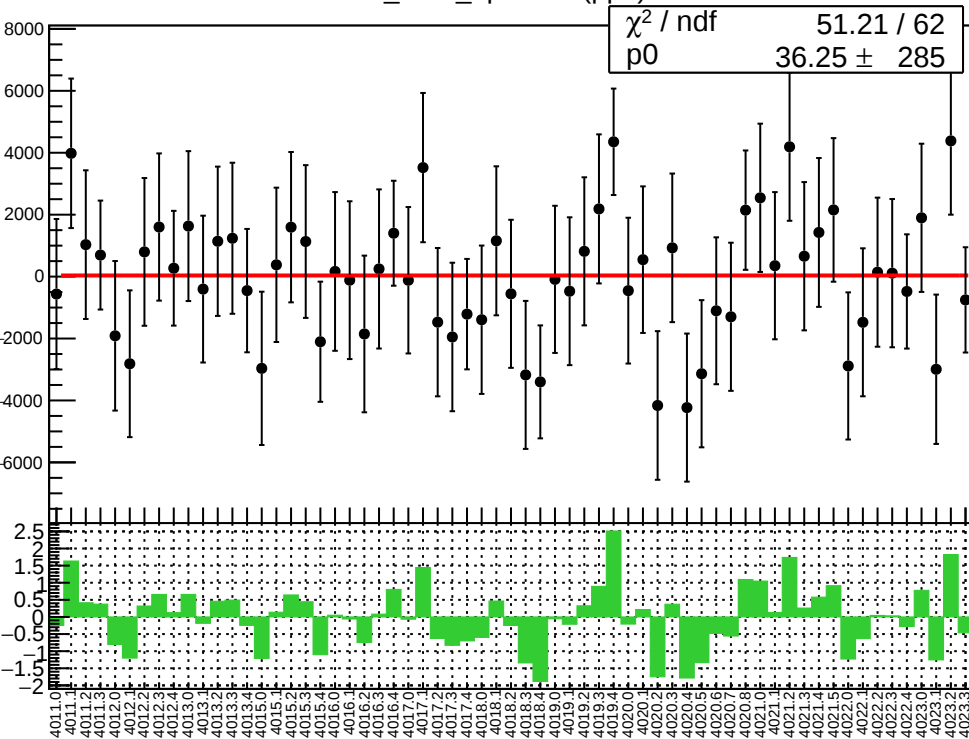
1D pull distribution



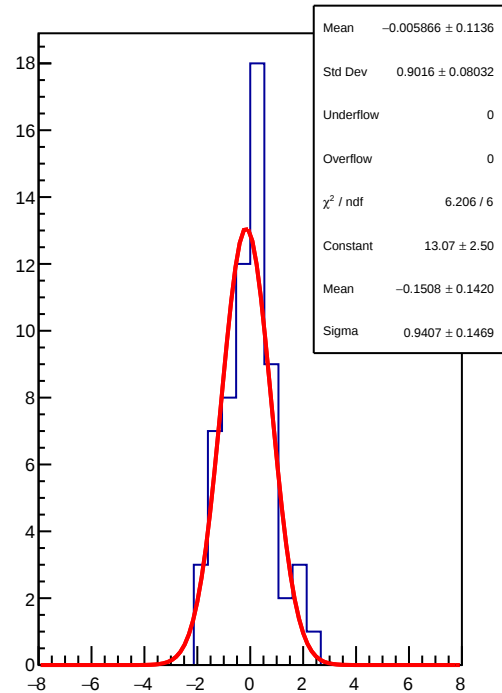
corr\_Adet\_bpm12Y RMS (ppm)



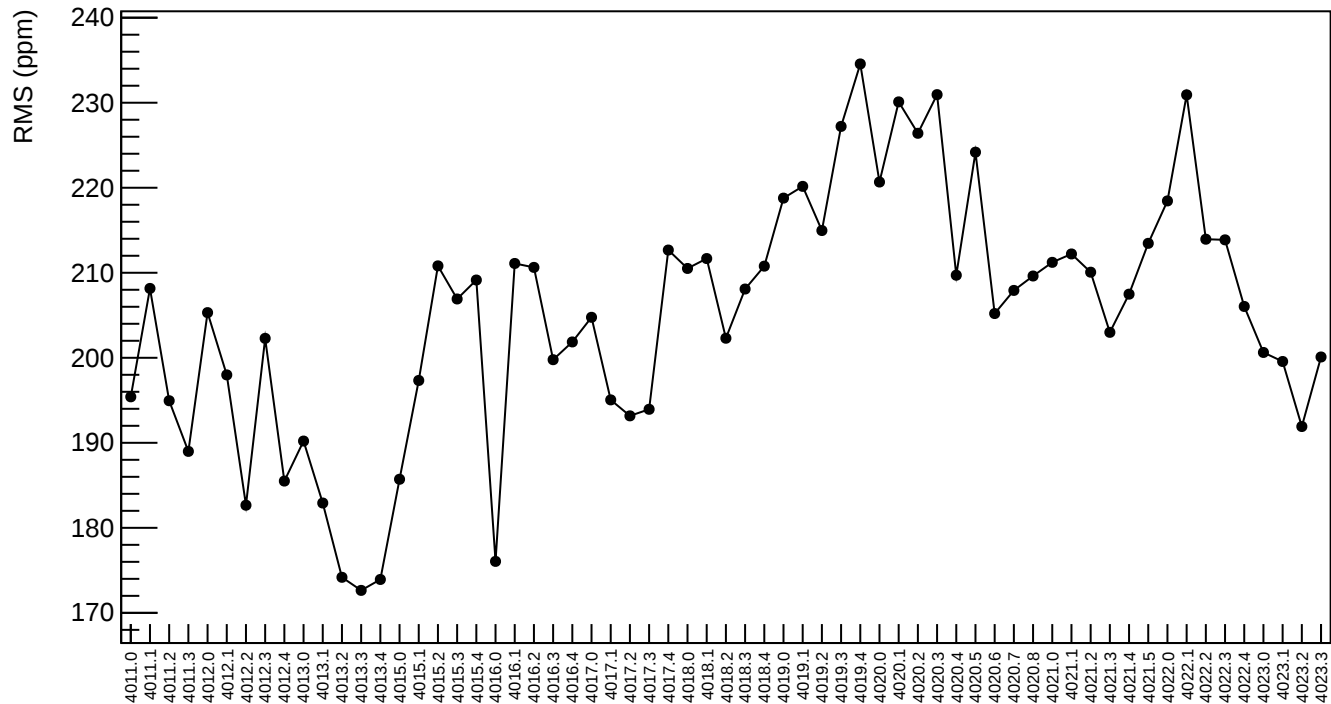
corr\_Adet\_bpm11X (ppb)



1D pull distribution



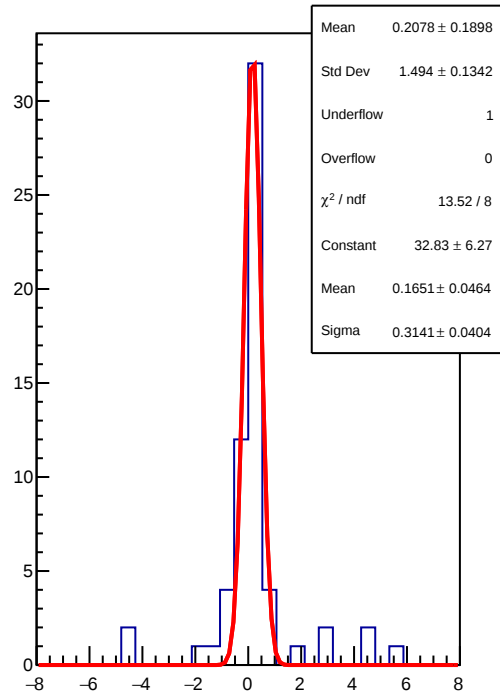
corr\_Adet\_bpm11X RMS (ppm)



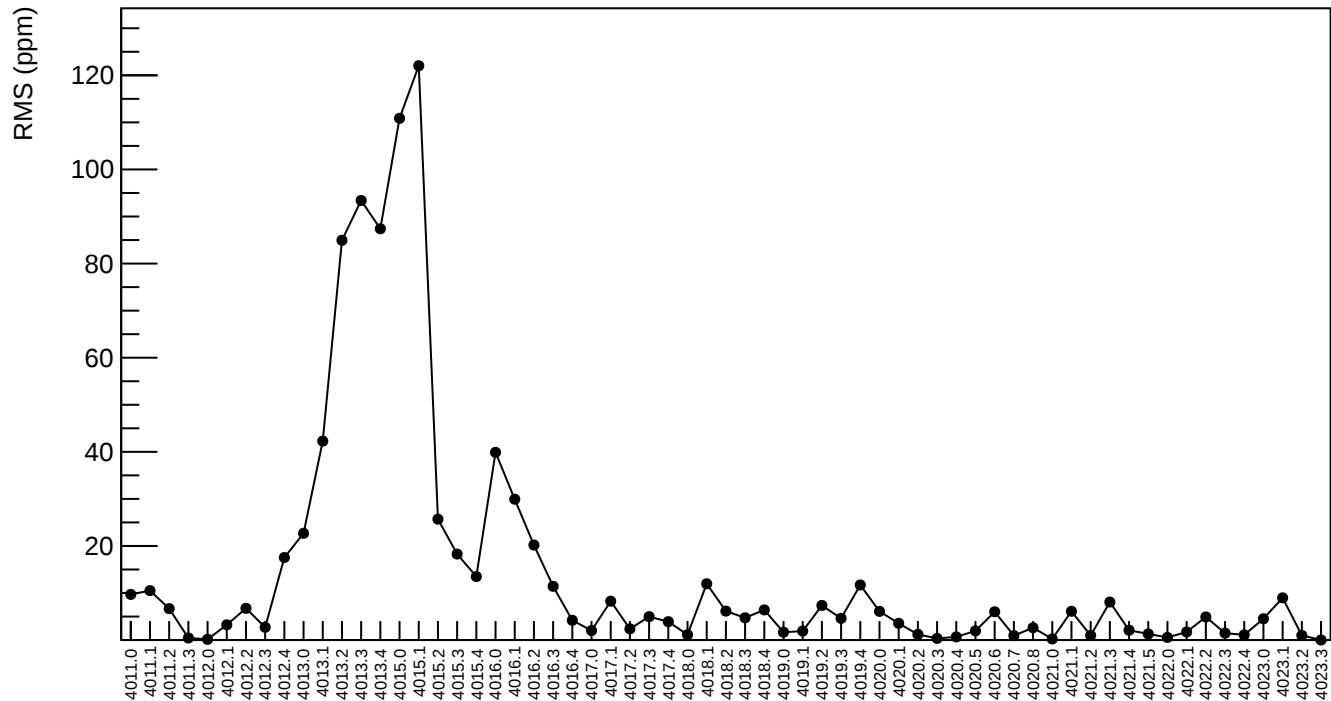
corr\_Adet\_bpm11Y (ppb)



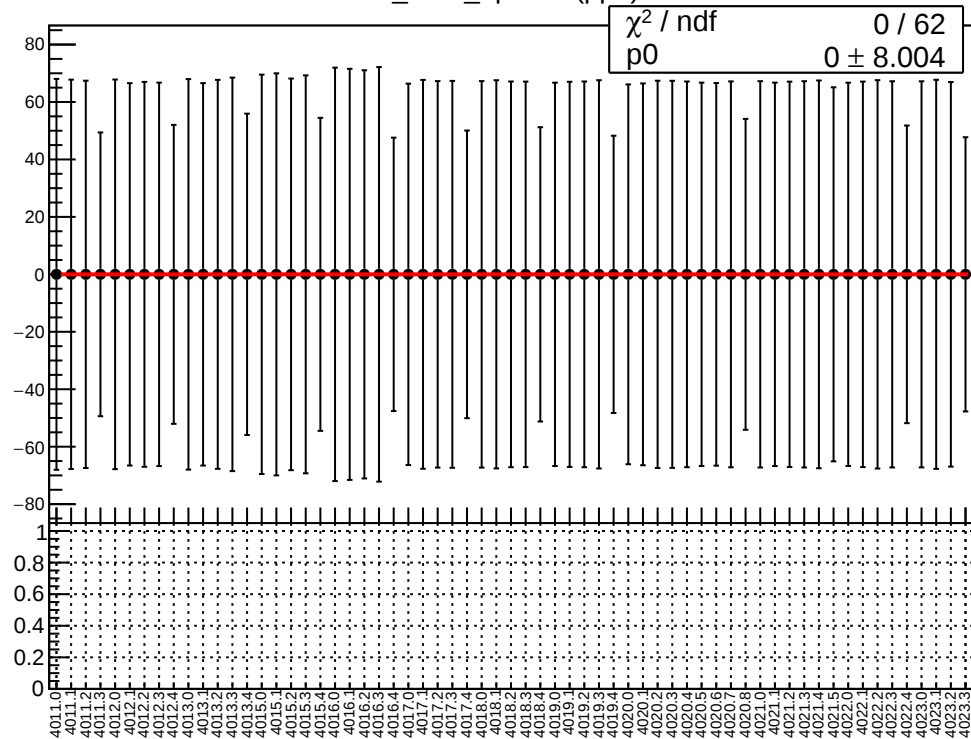
1D pull distribution



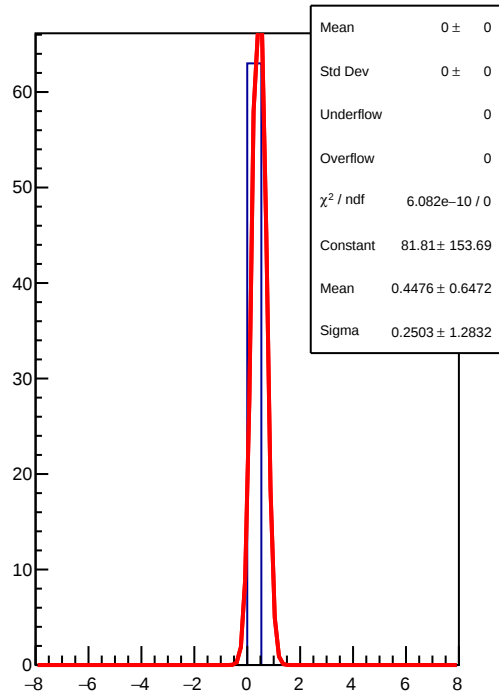
corr\_Adet\_bpm11Y RMS (ppm)



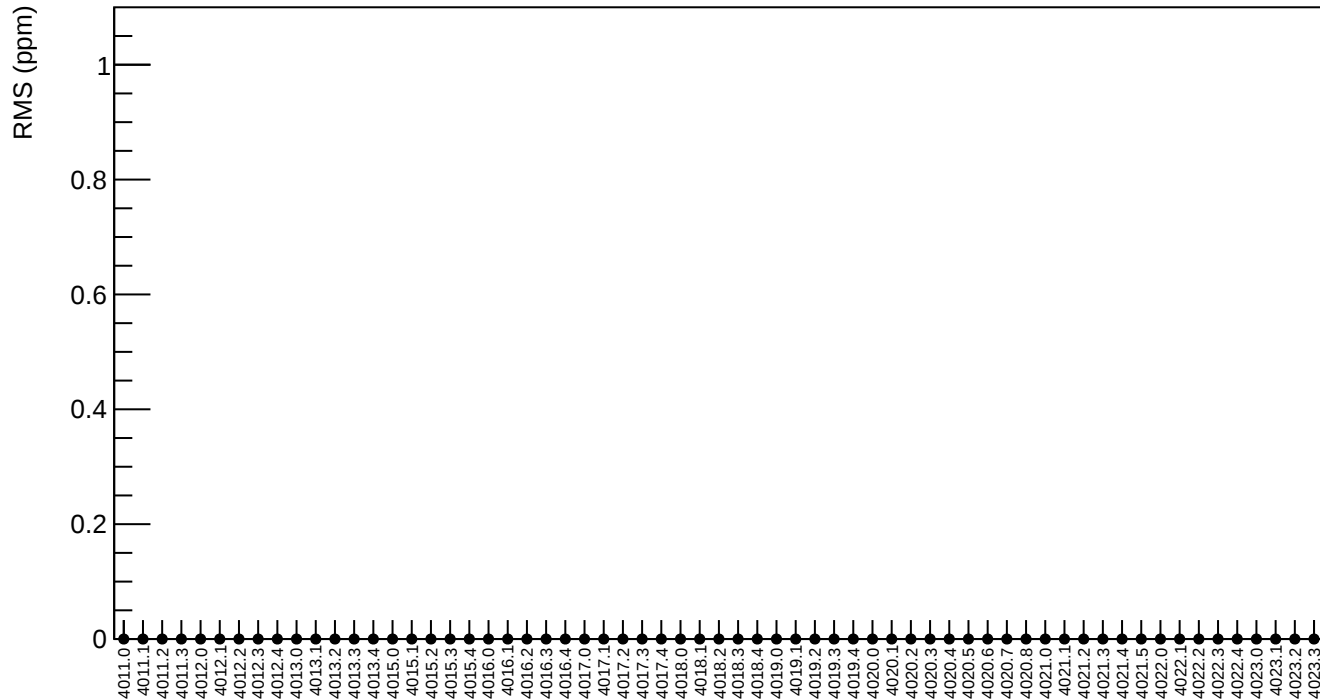
corr\_Adet\_bpm8X (ppb)



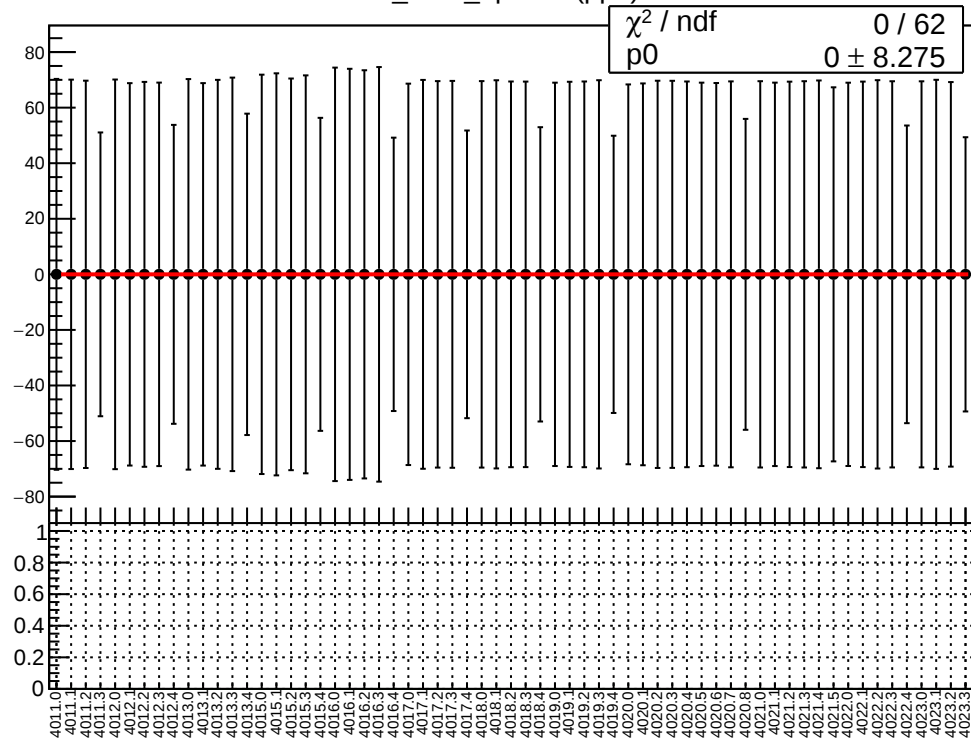
1D pull distribution



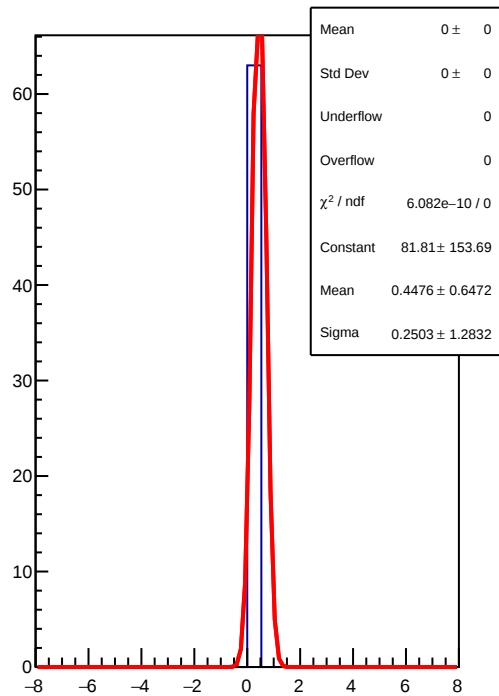
corr\_Adet\_bpm8X RMS (ppm)



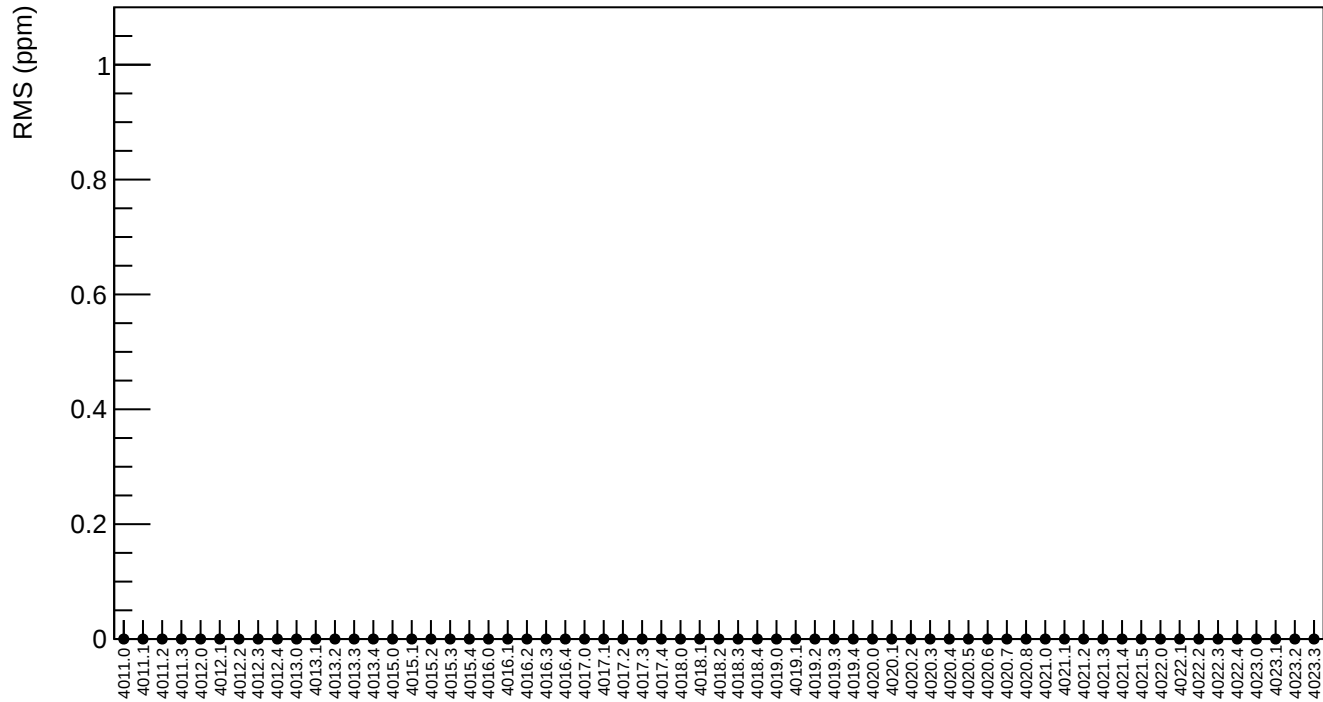
corr\_Adet\_bpm8Y (ppb)



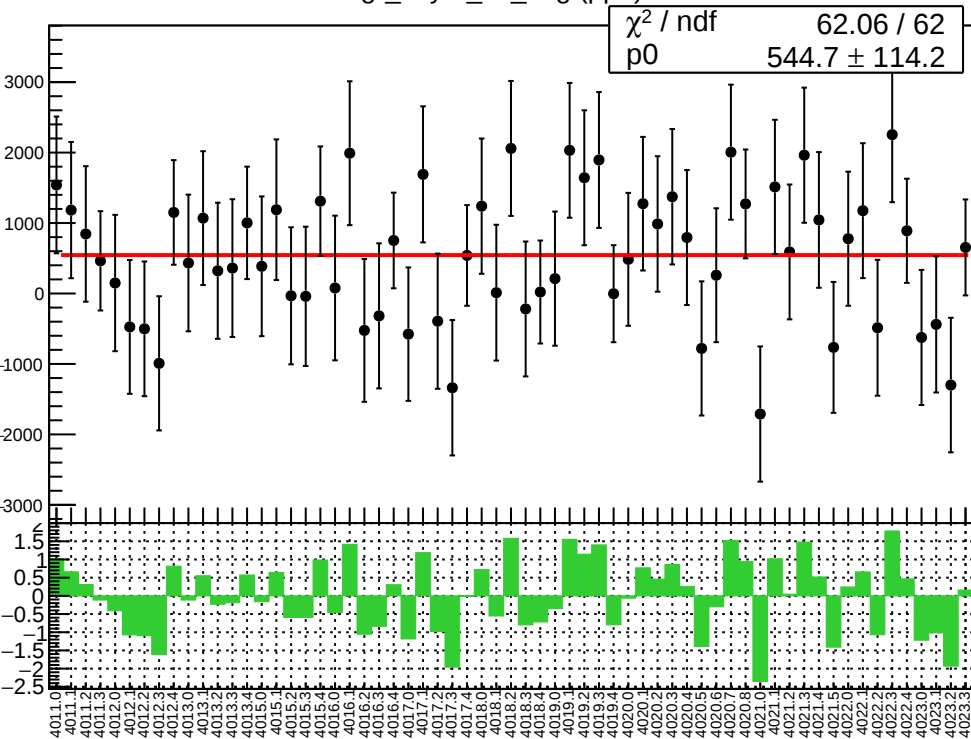
1D pull distribution



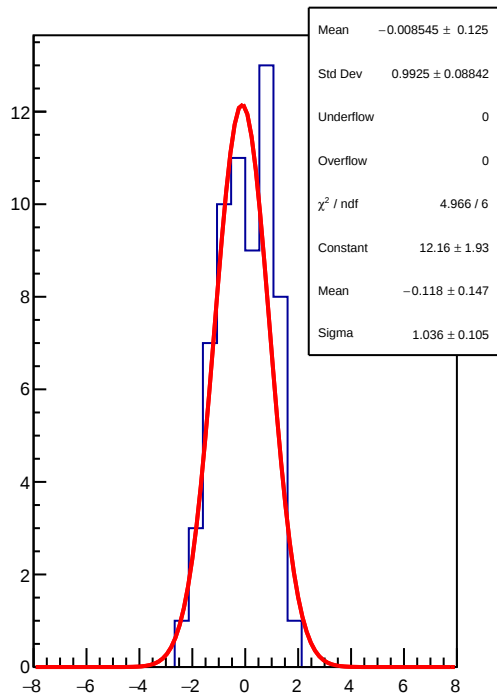
corr\_Adet\_bpm8Y RMS (ppm)



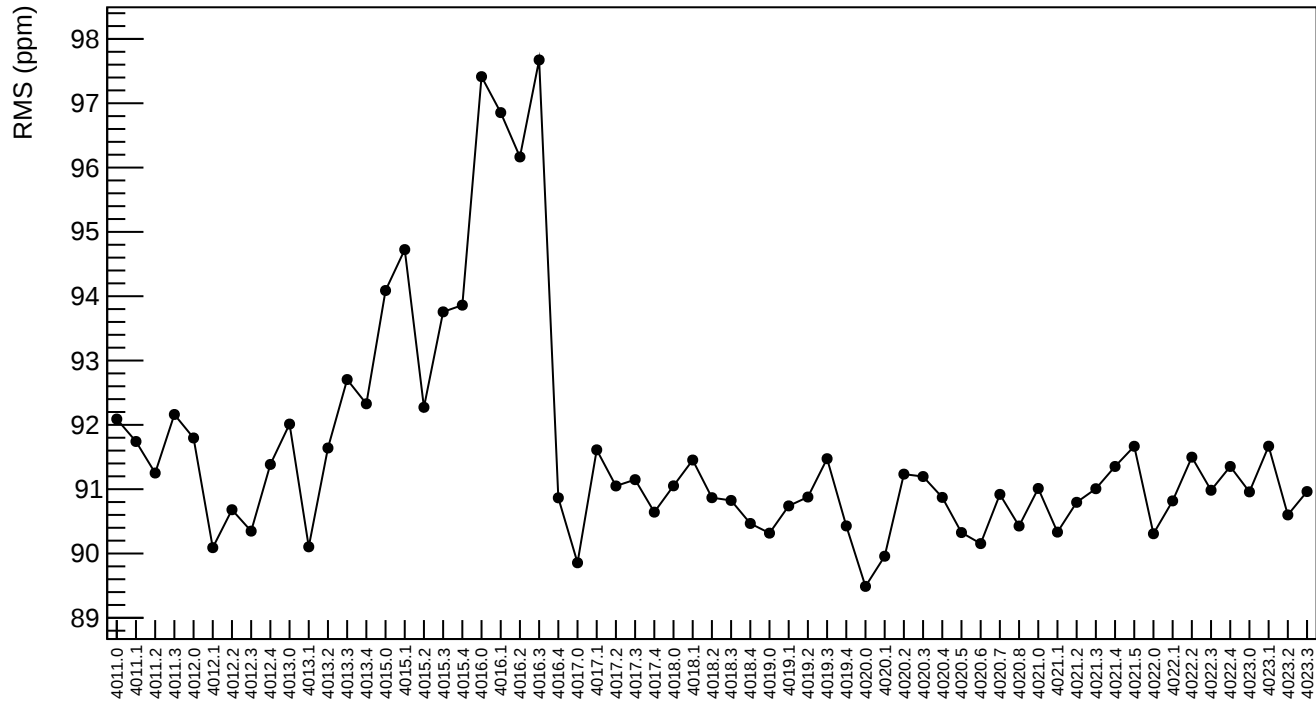
lagr\_asym\_us\_avg (ppb)



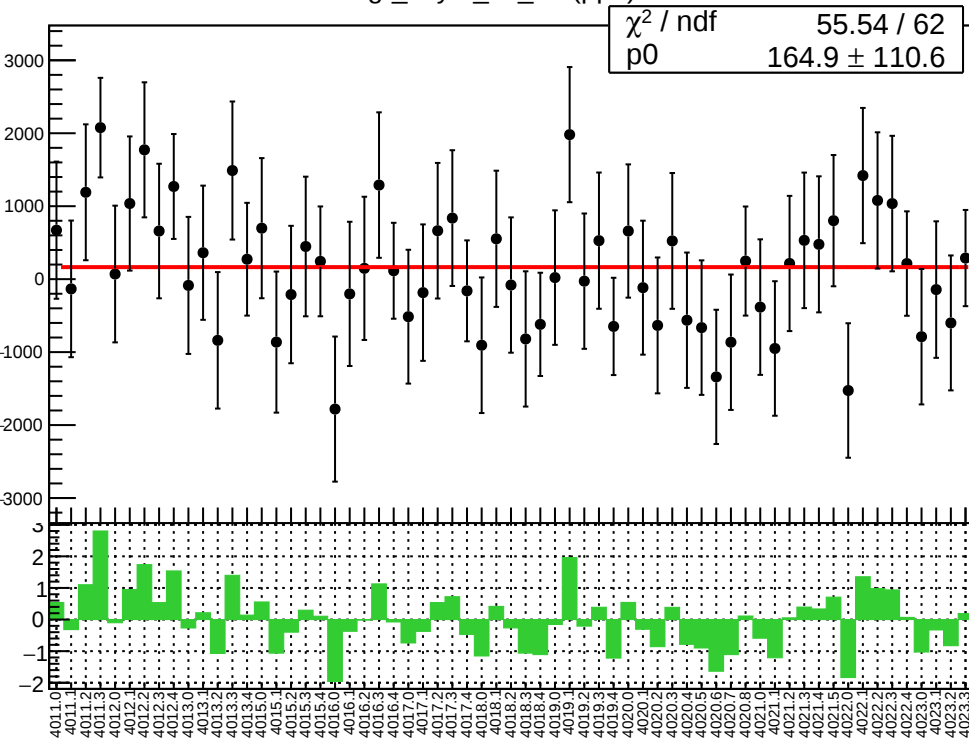
1D pull distribution



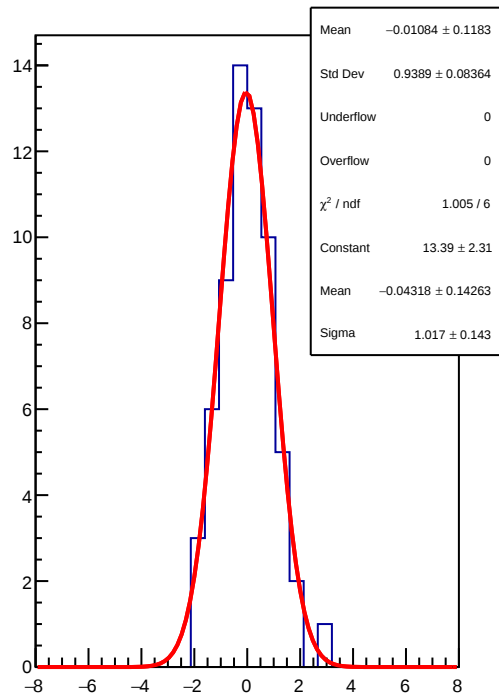
lagr\_asym\_us\_avg RMS (ppm)



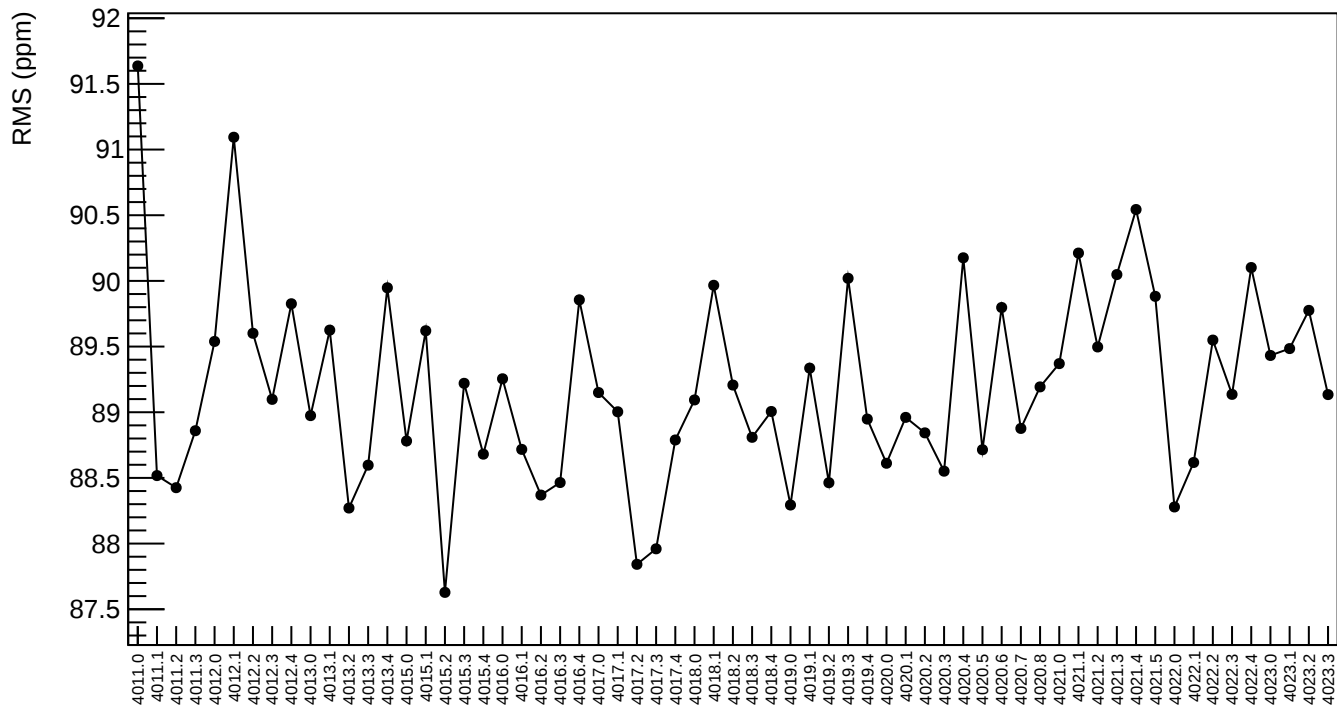
lagr\_asym\_us\_dd (ppb)



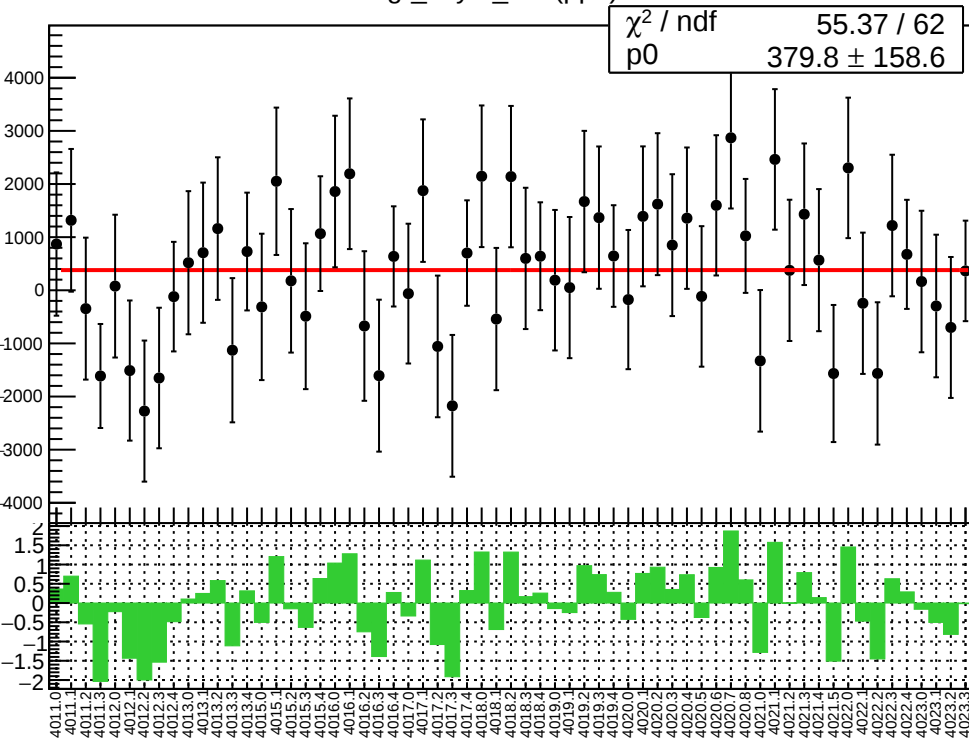
1D pull distribution



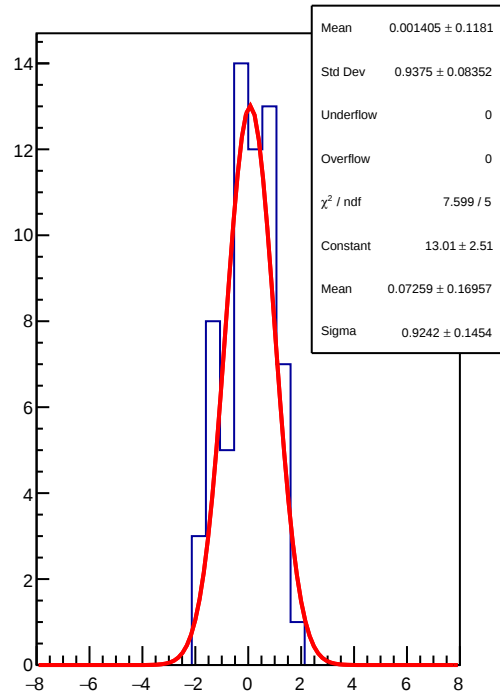
lagr\_asym\_us\_dd RMS (ppm)



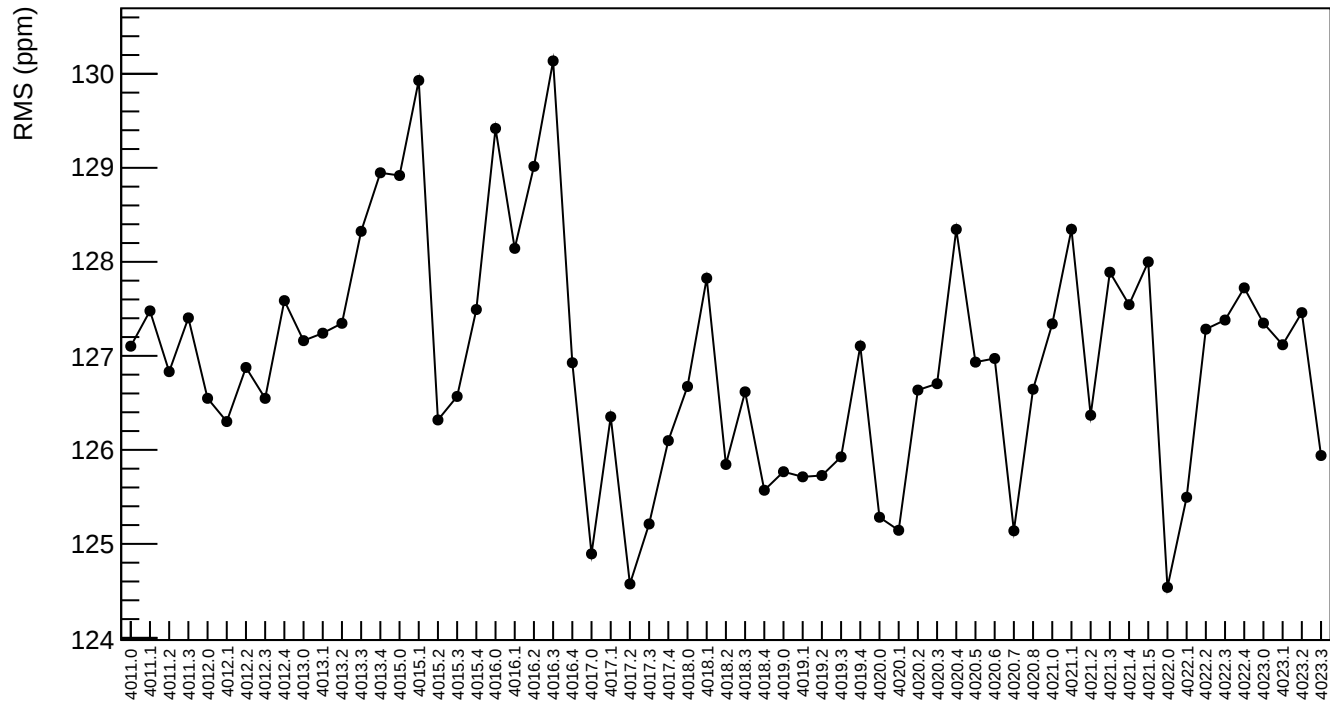
lagr\_asym\_usr (ppb)



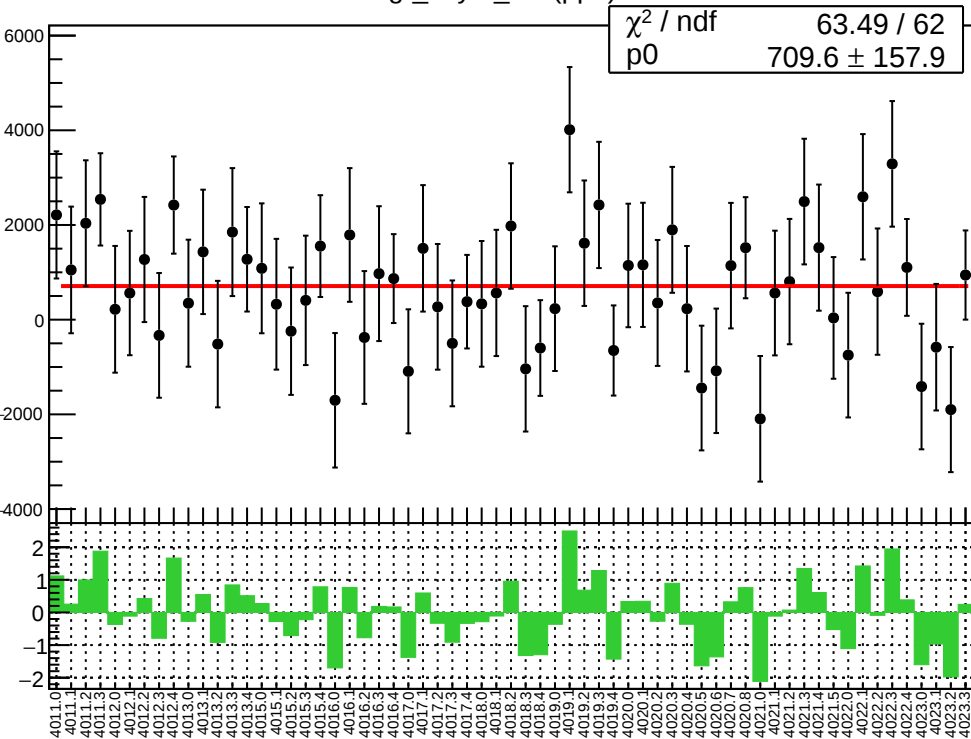
1D pull distribution



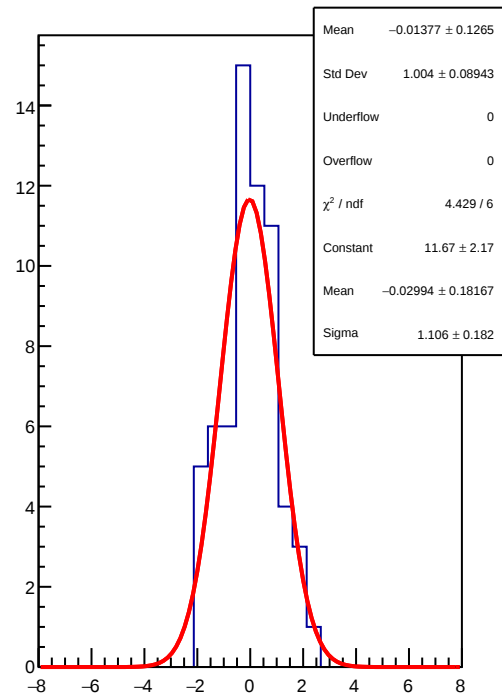
lagr\_asym\_usr RMS (ppm)



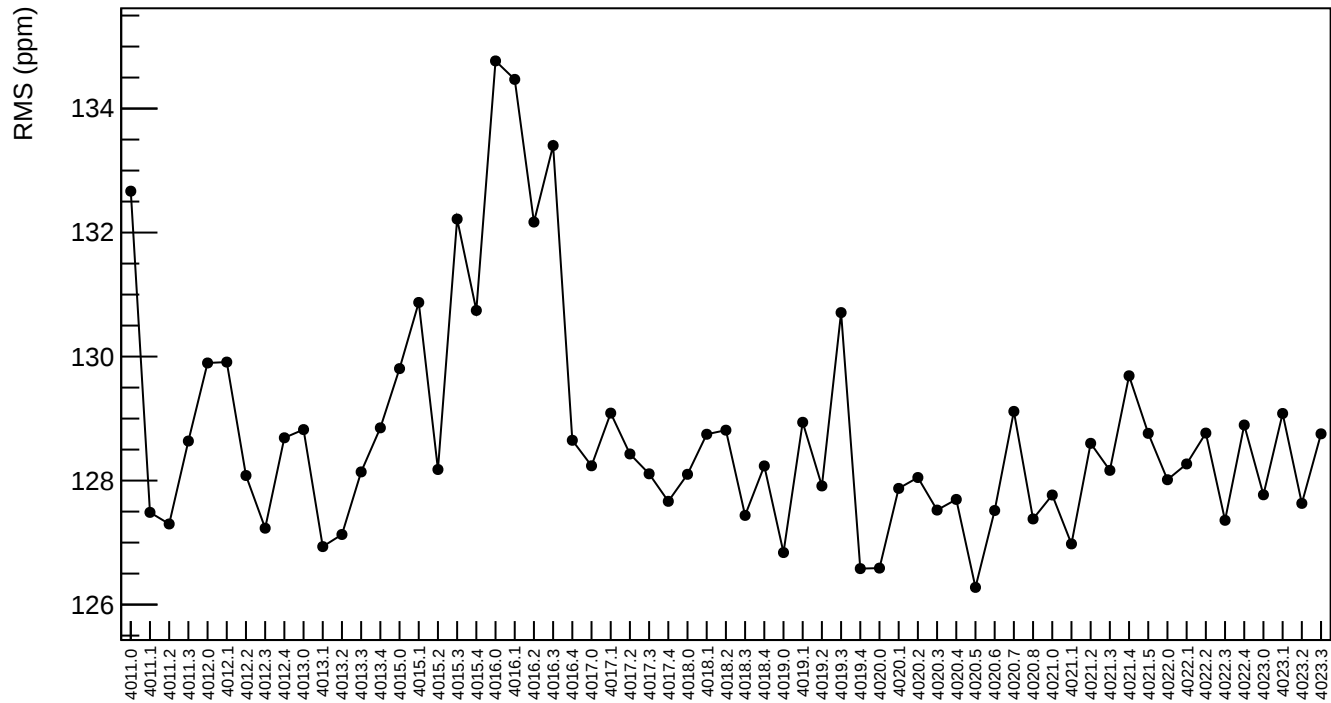
lagr\_asym\_usl (ppb)



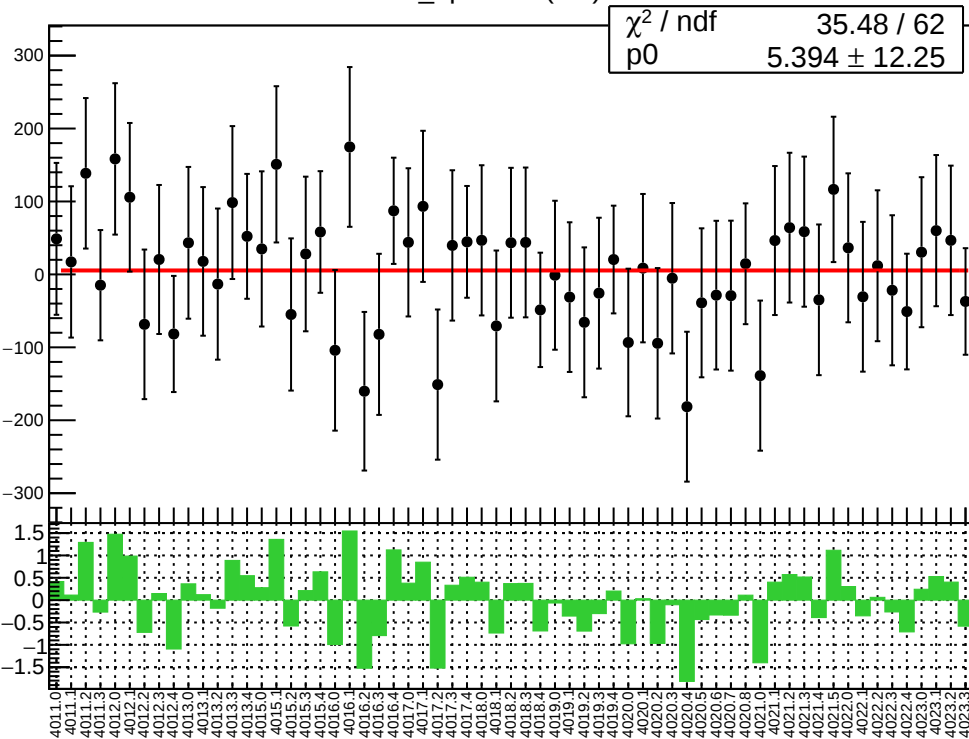
1D pull distribution



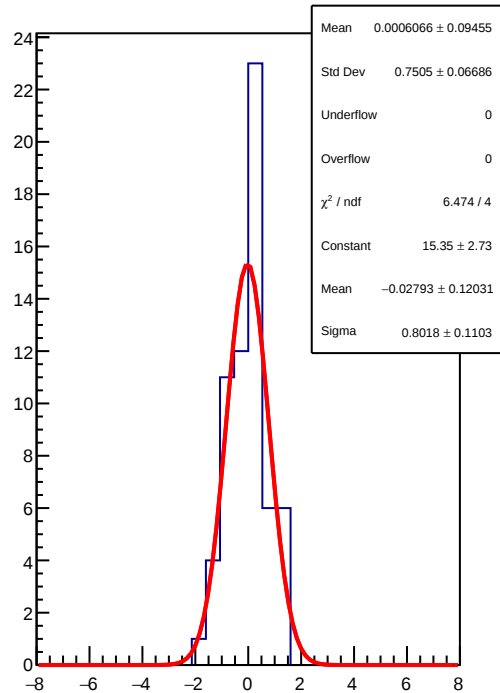
lagr\_asym\_usl RMS (ppm)



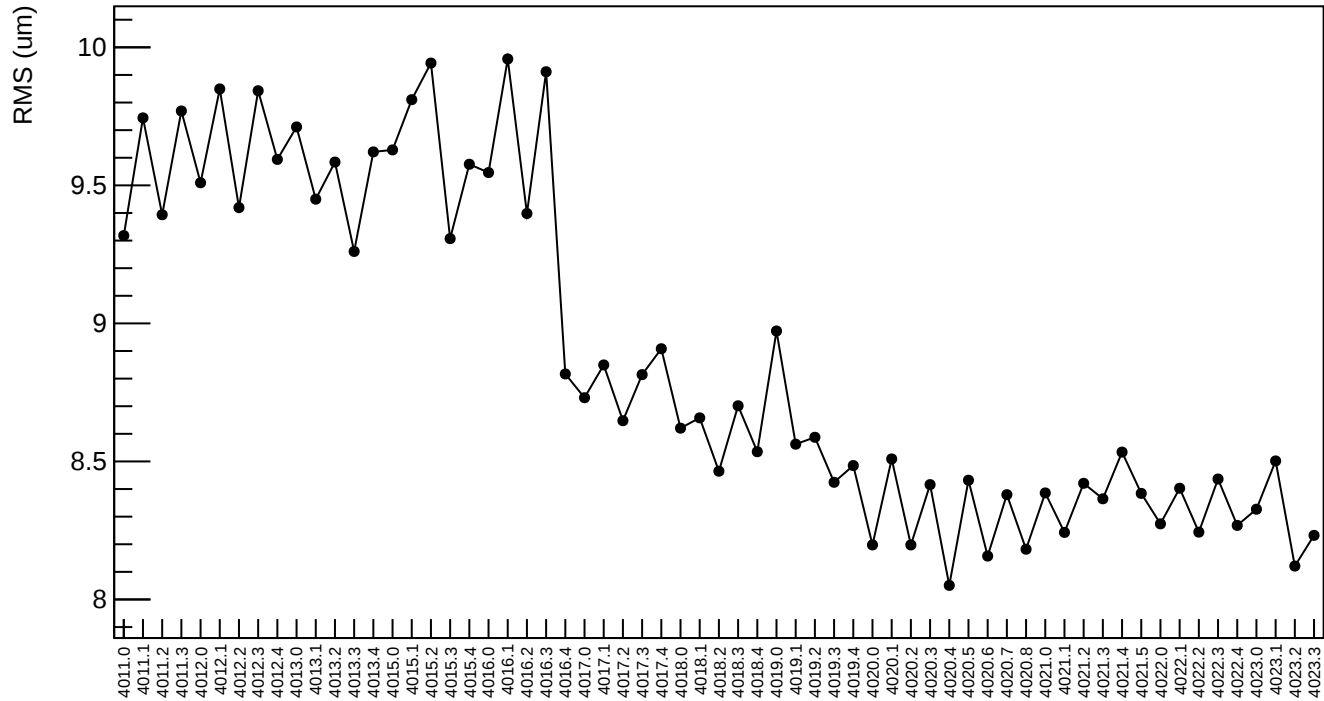
diff\_bpm4eX (nm)



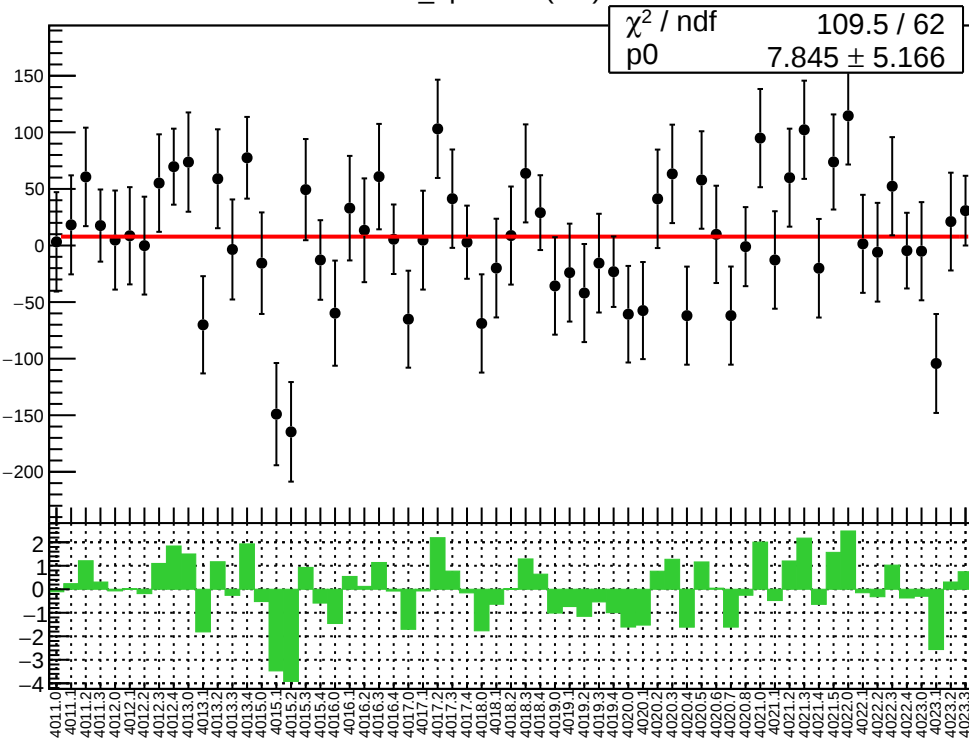
1D pull distribution



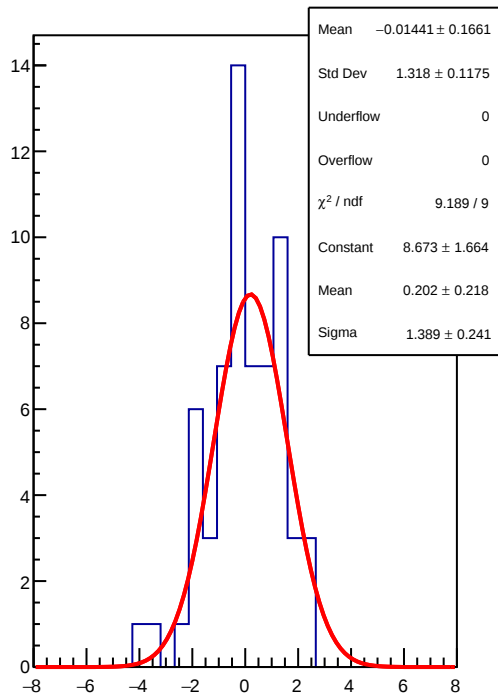
diff\_bpm4eX RMS (um)



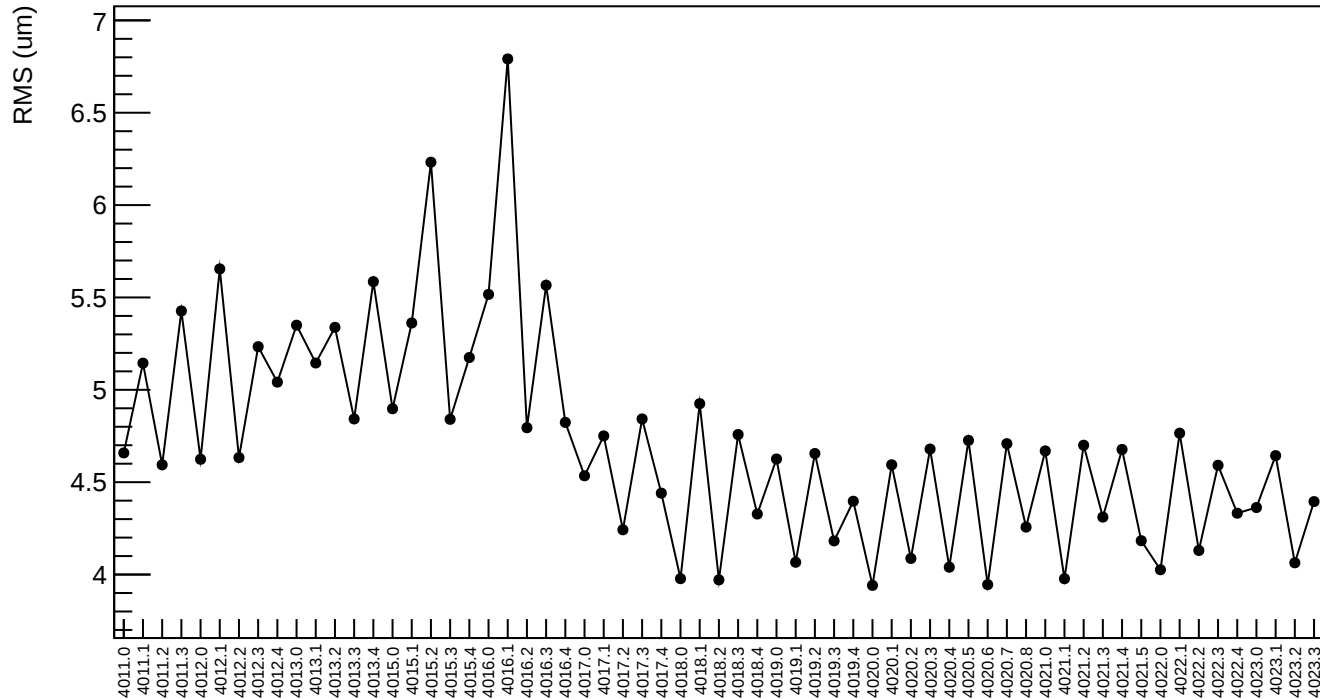
diff\_bpm4eY (nm)



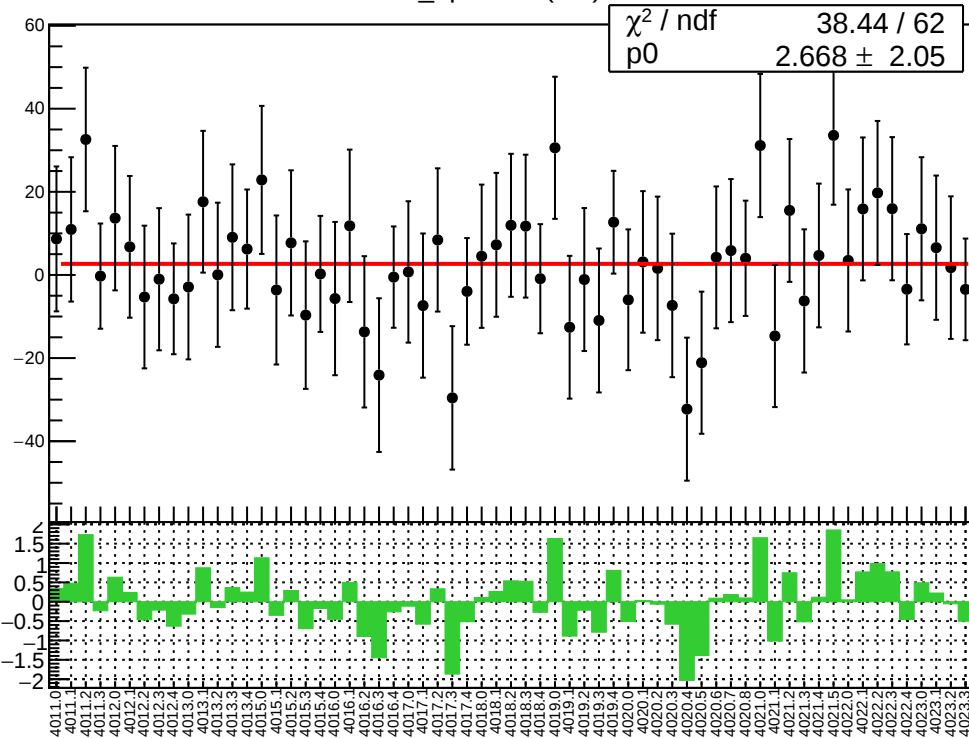
1D pull distribution



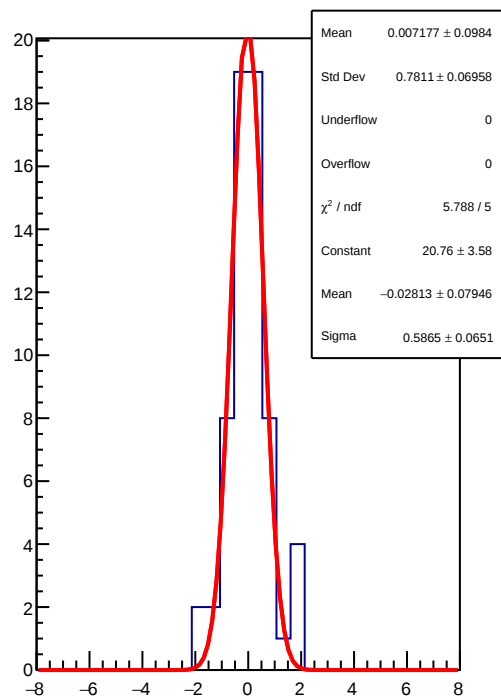
diff\_bpm4eY RMS (um)



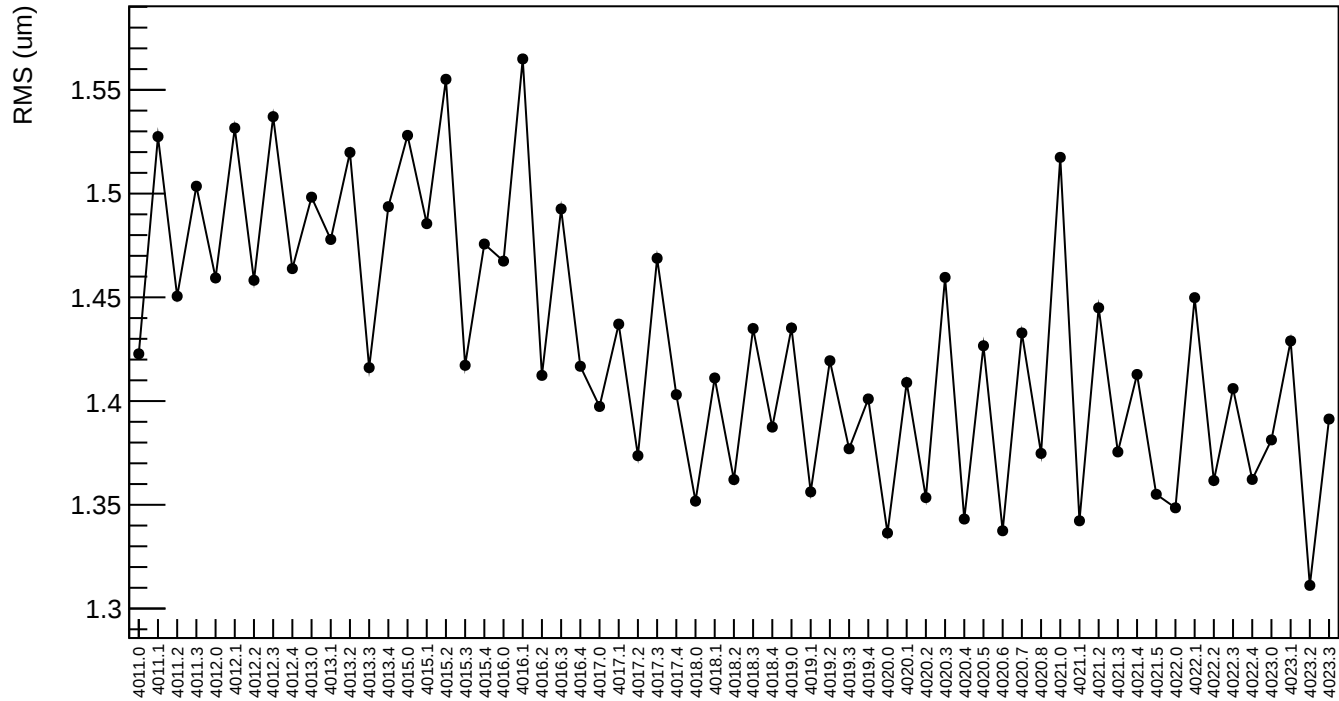
diff\_bpm4aX (nm)



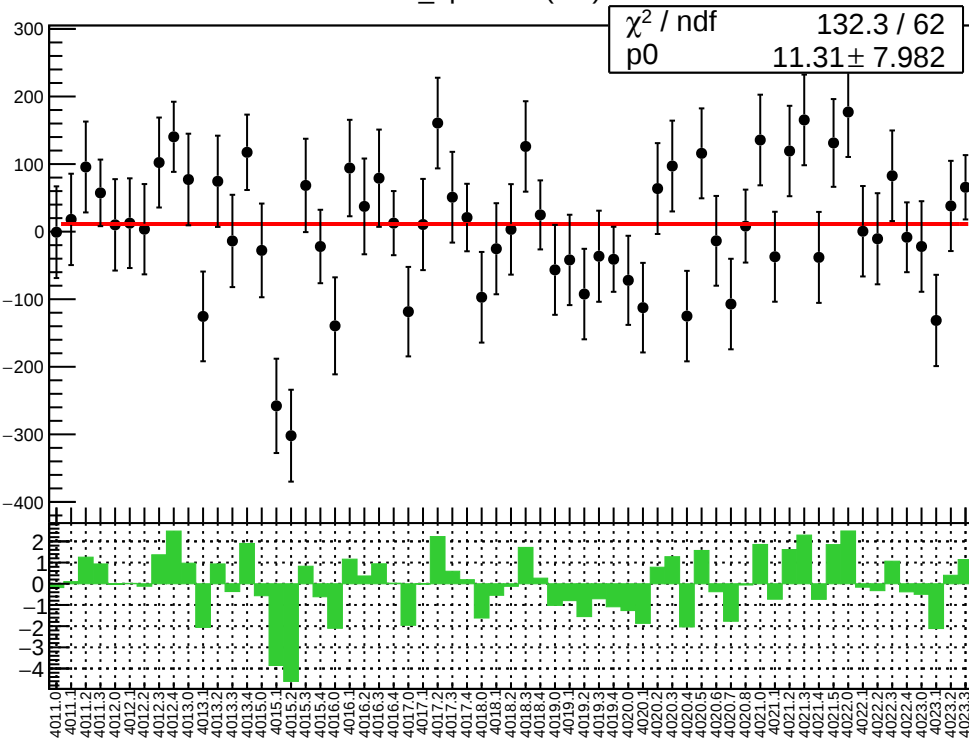
1D pull distribution



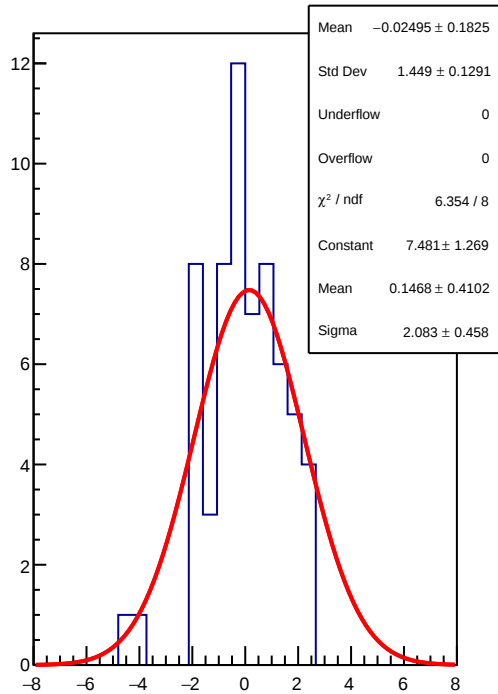
diff\_bpm4aX RMS (um)



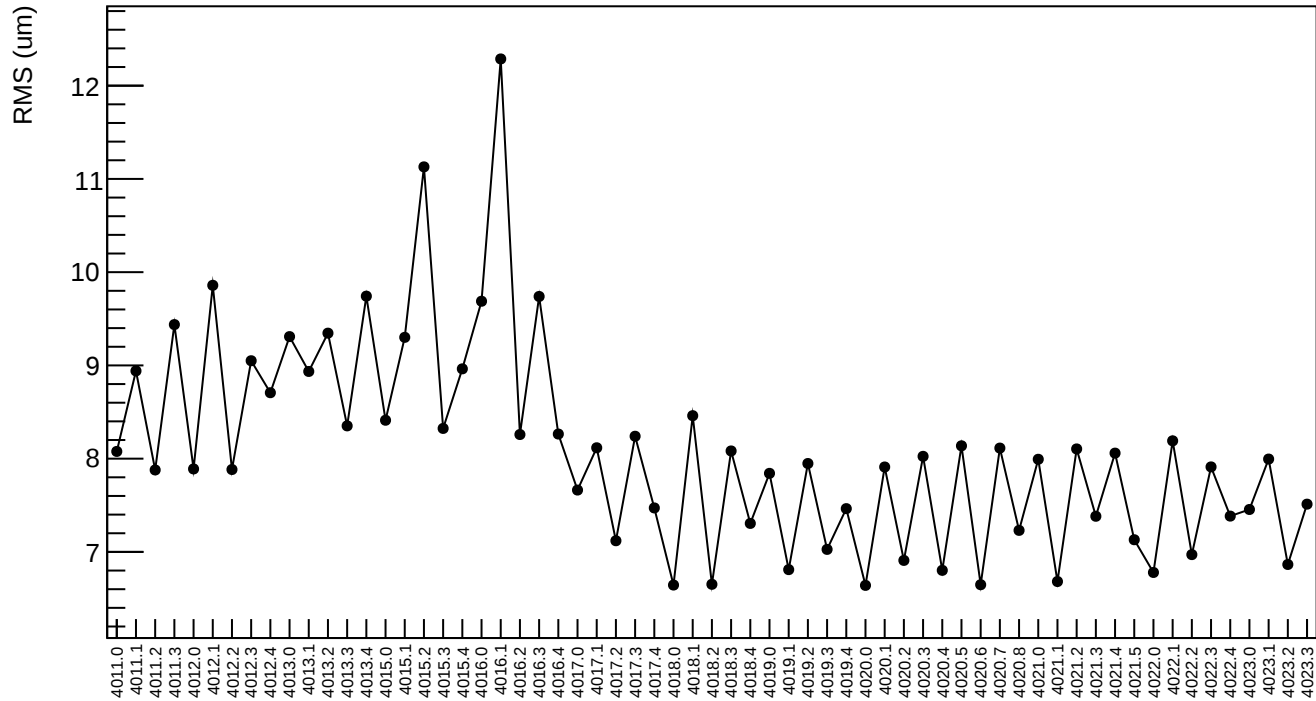
diff\_bpm4aY (nm)



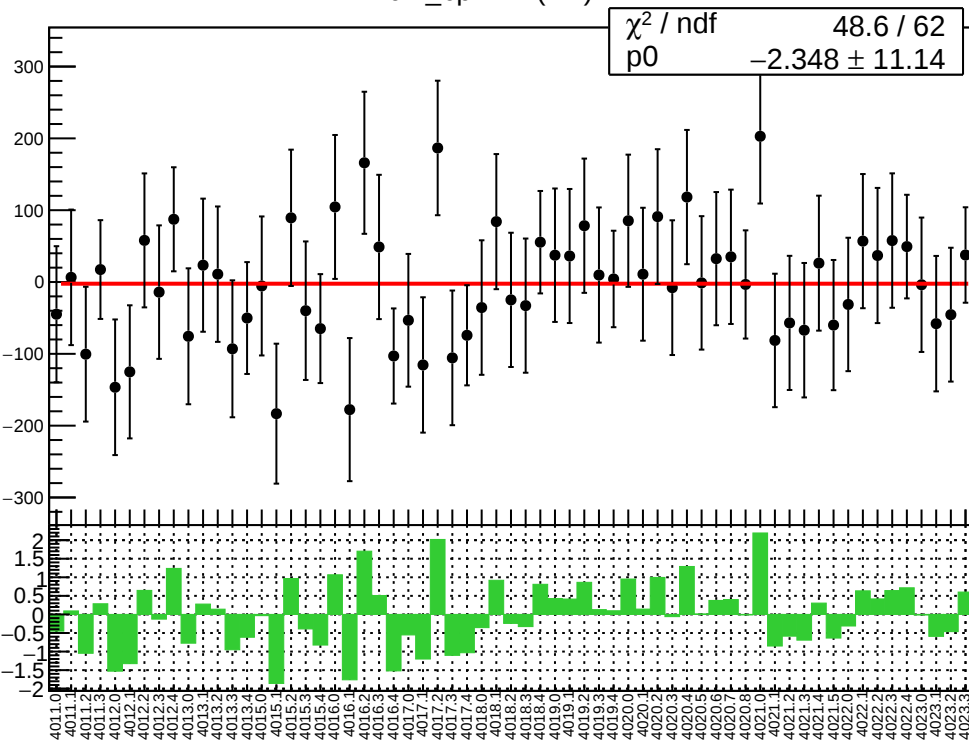
1D pull distribution



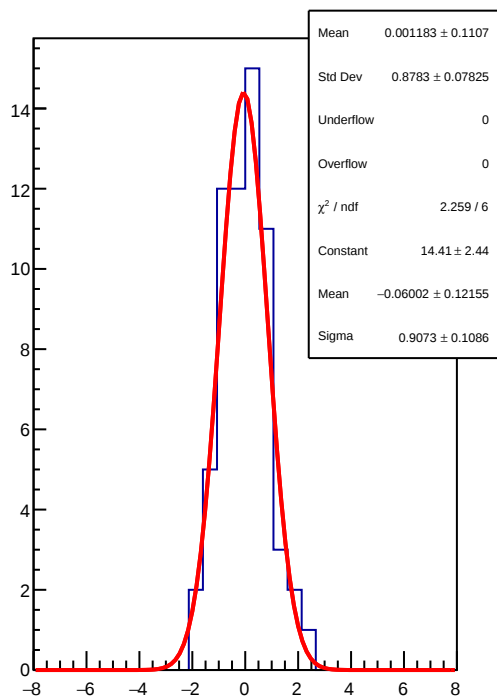
diff\_bpm4aY RMS (um)



diff\_bpm1X (nm)

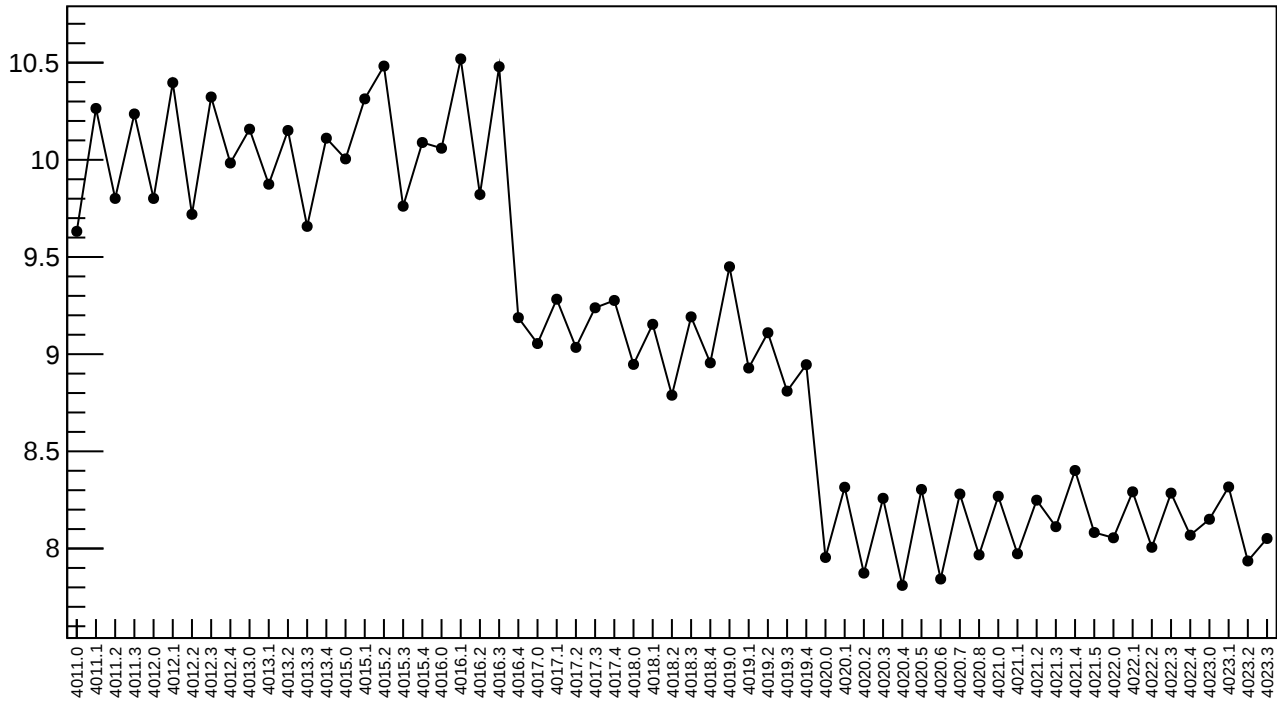


1D pull distribution

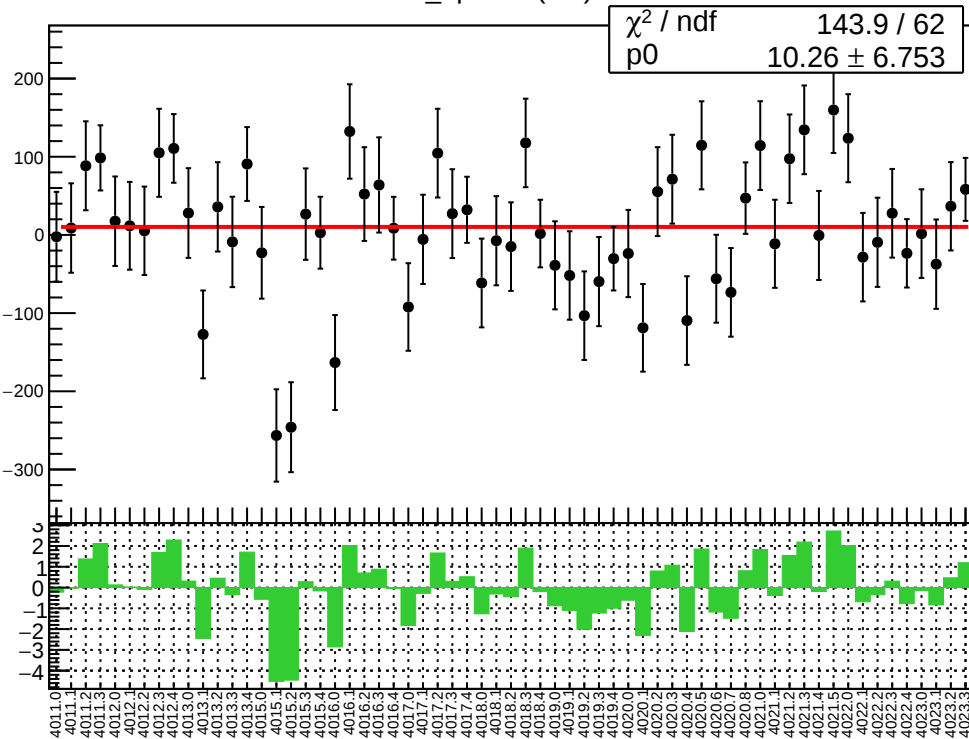


diff\_bpm1X RMS (um)

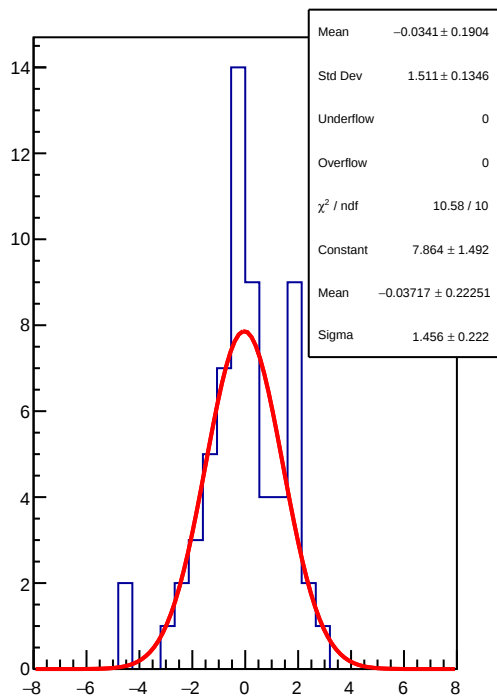
RMS (um)



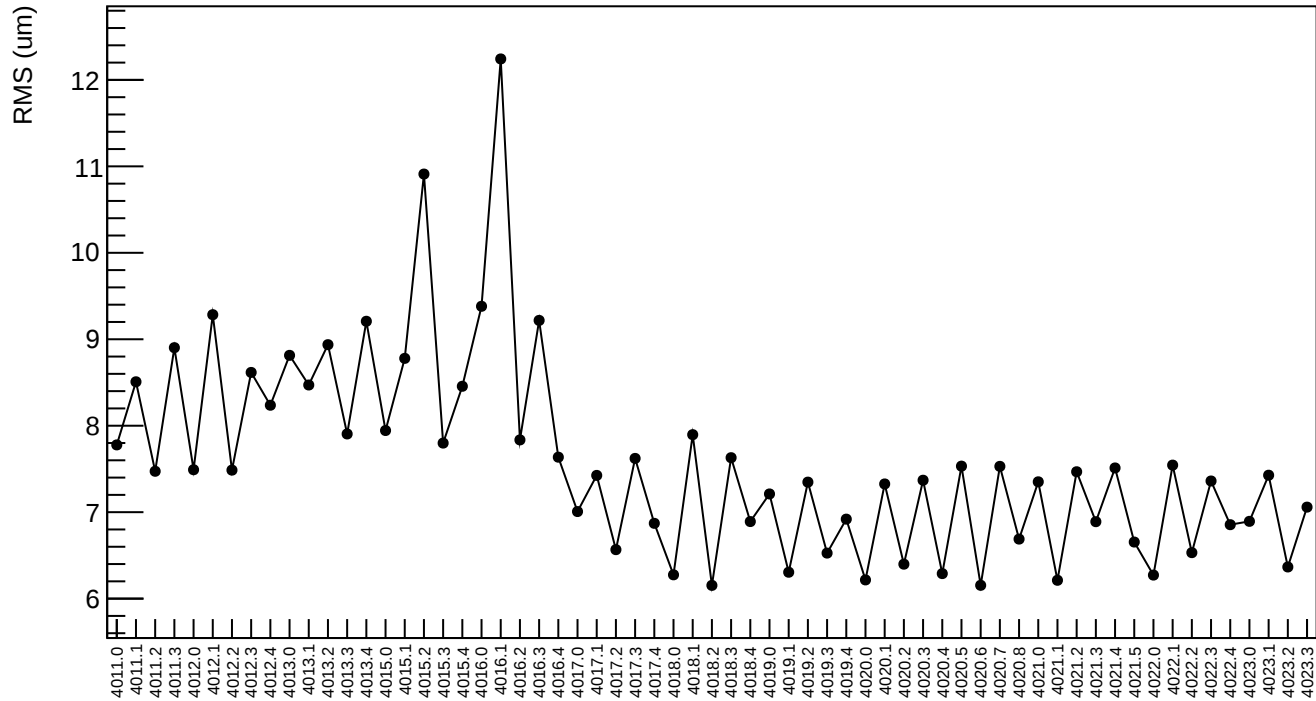
diff\_bpm1Y (nm)



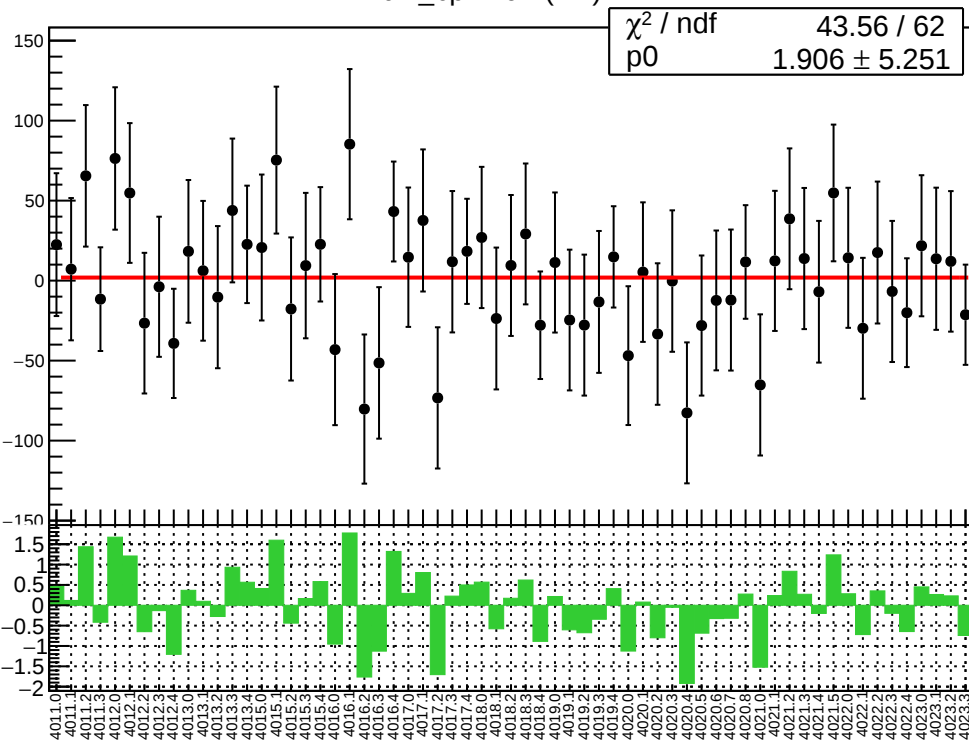
1D pull distribution



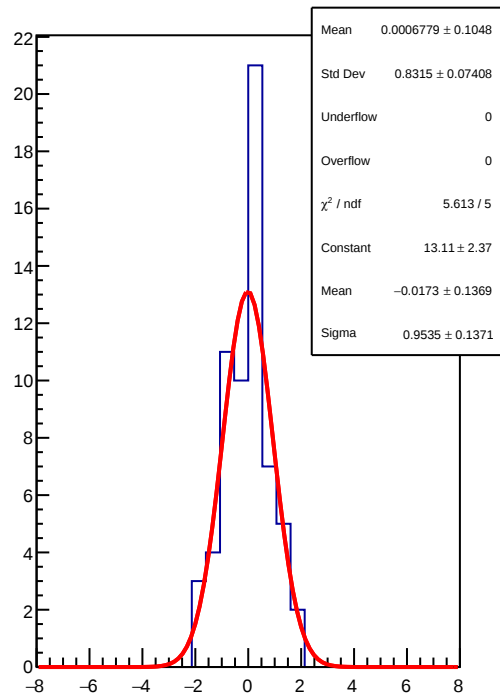
diff\_bpm1Y RMS (um)



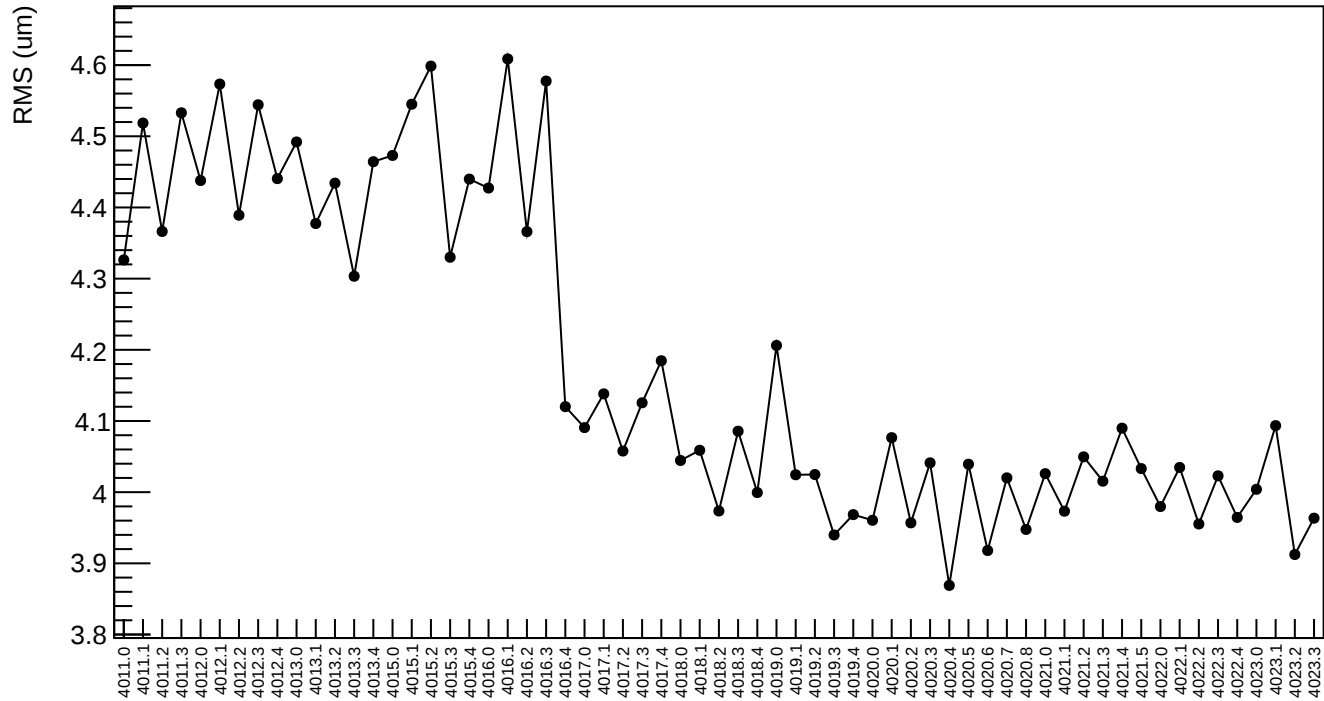
diff\_bpm16X (nm)



1D pull distribution



diff\_bpm16X RMS (um)

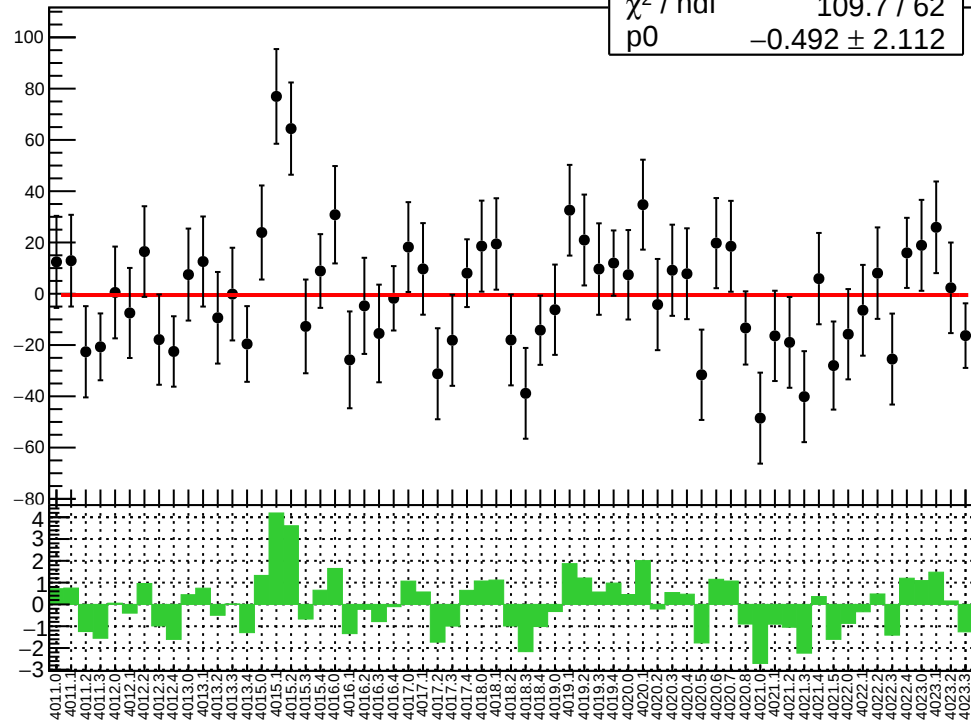


diff\_bpm16Y (nm)

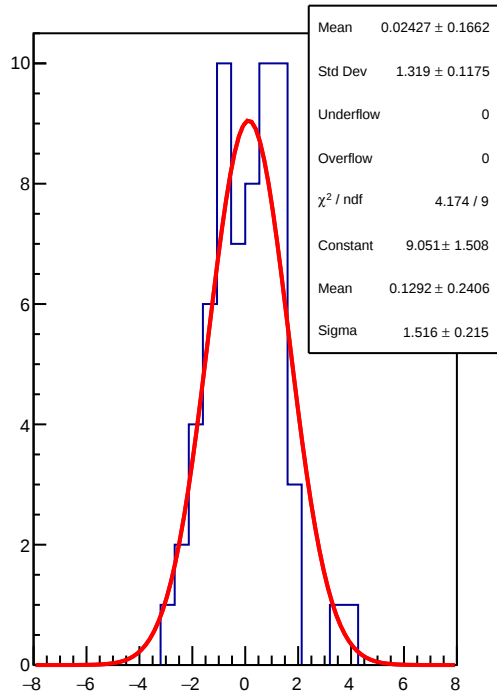
 $\chi^2 / \text{nfd}$ 

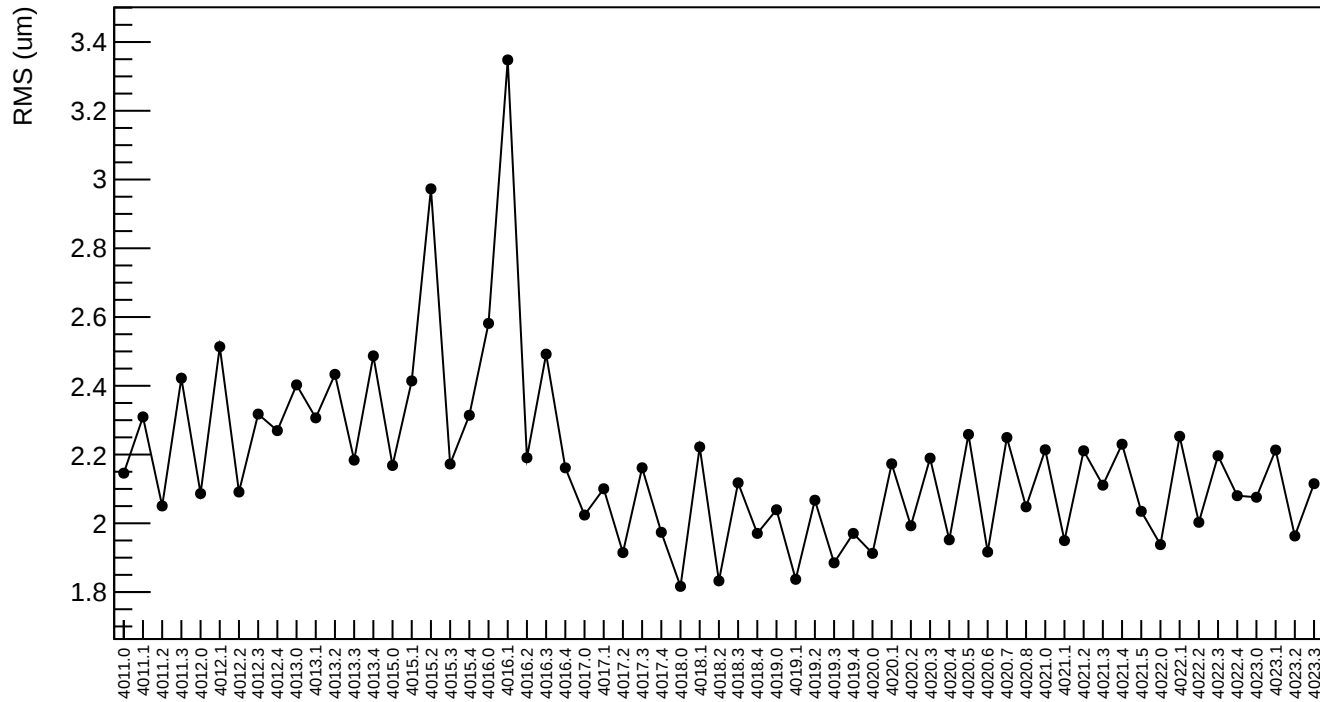
109.7 / 62

p0

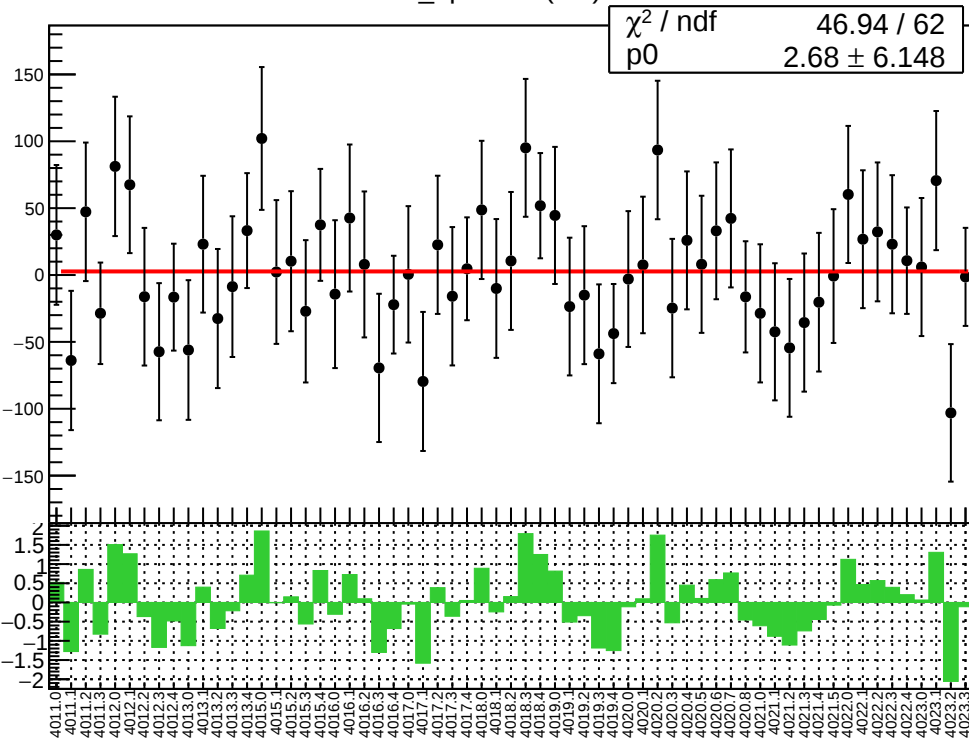
 $-0.492 \pm 2.112$ 

1D pull distribution

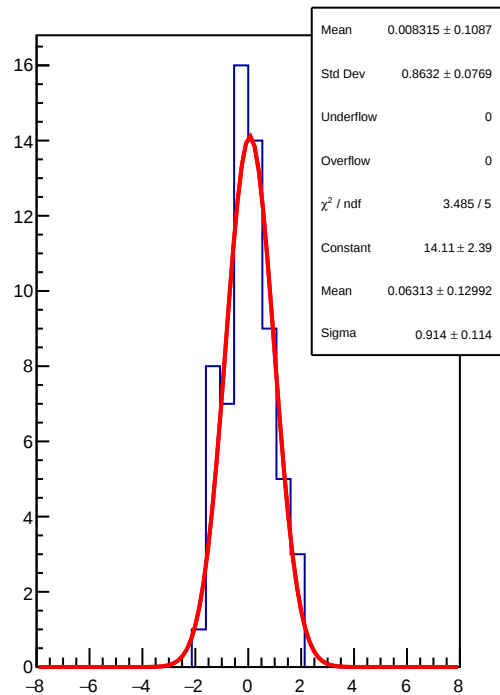


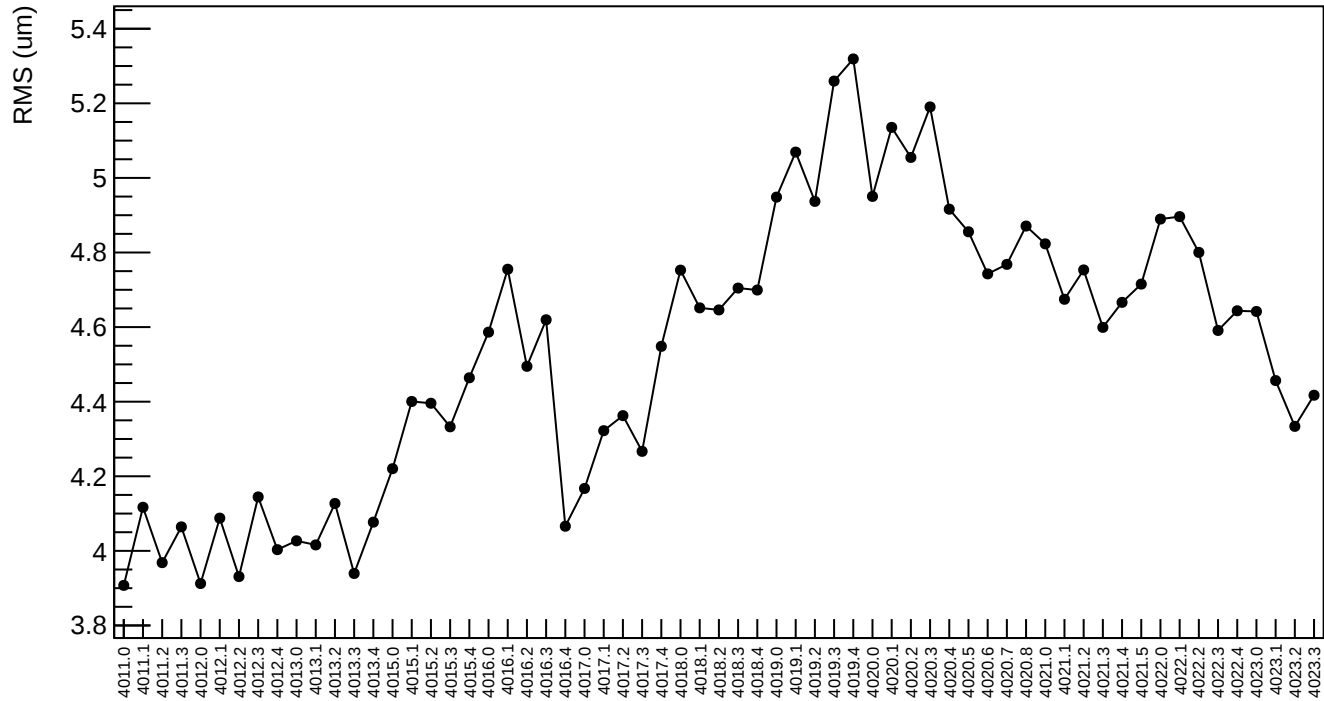
diff\_bpm16Y RMS ( $\mu\text{m}$ )

diff\_bpm12X (nm)

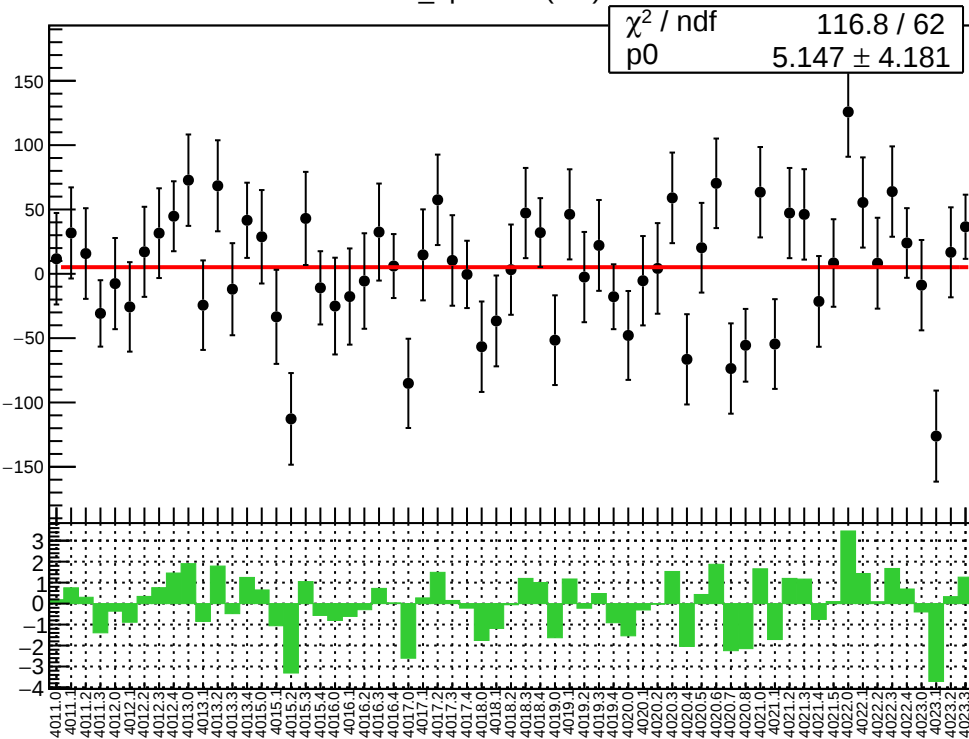


1D pull distribution

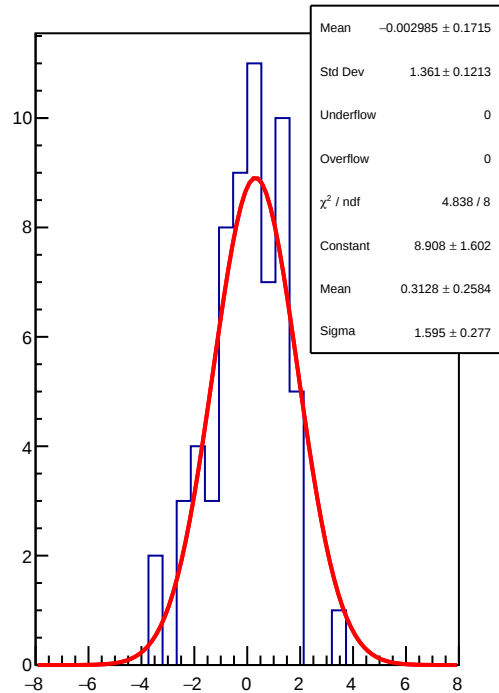


diff\_bpm12X RMS ( $\mu\text{m}$ )

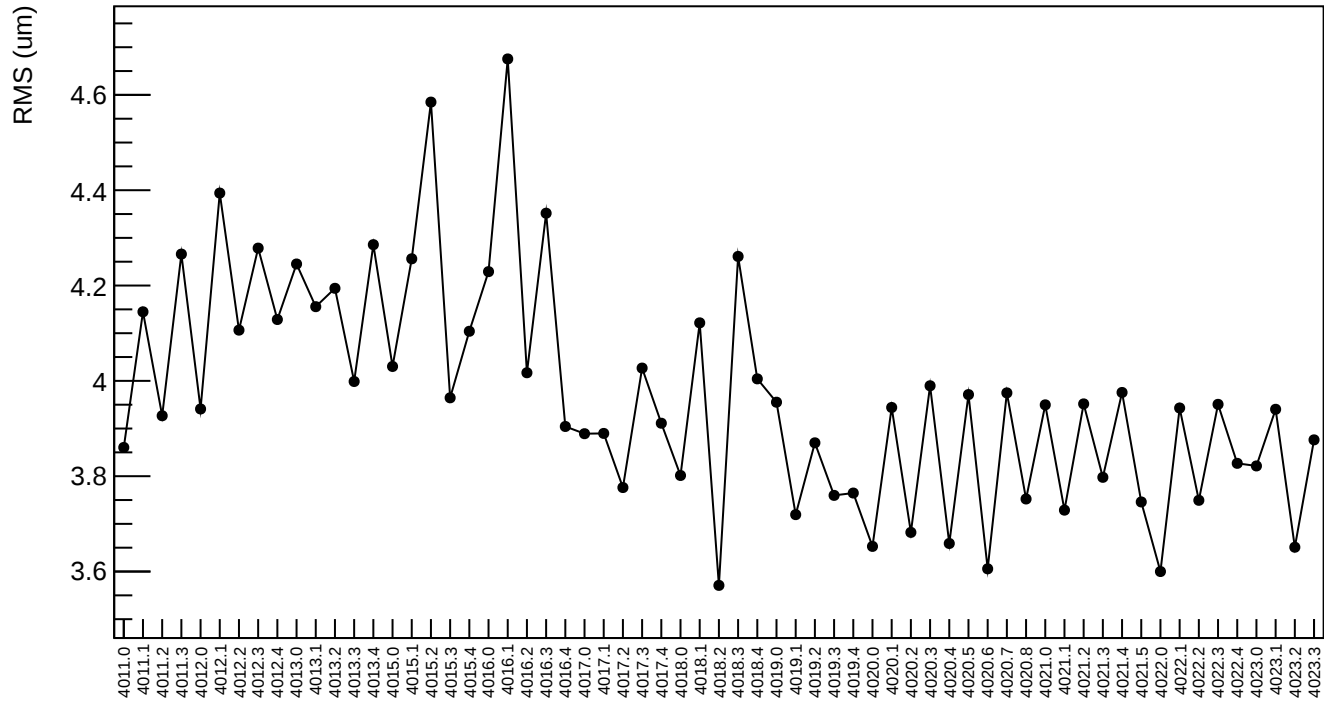
diff\_bpm12Y (nm)



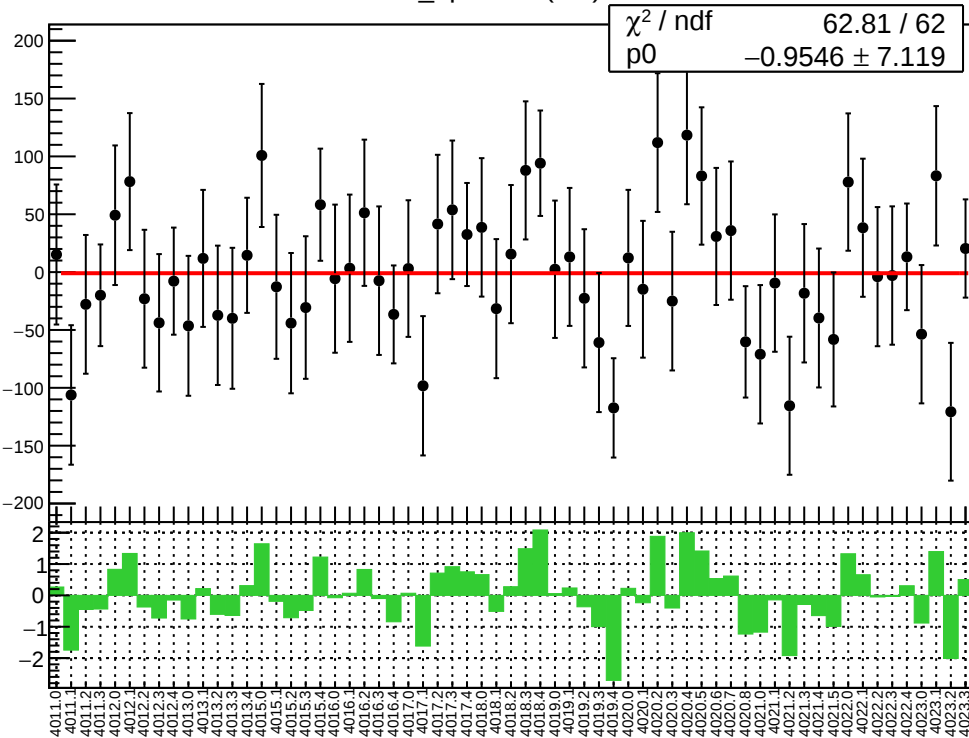
1D pull distribution



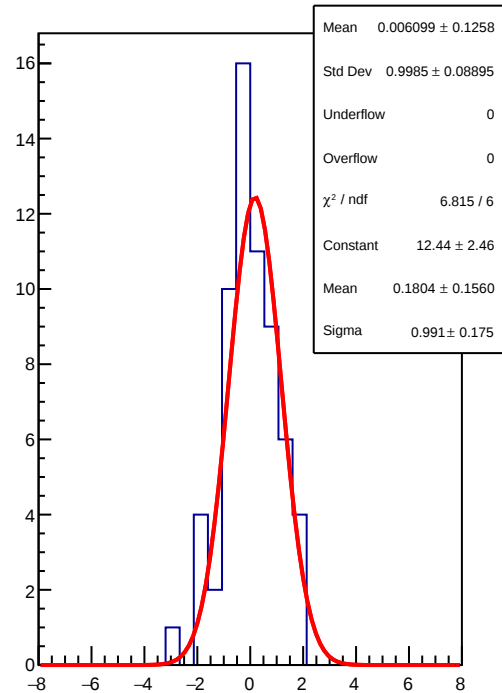
diff\_bpm12Y RMS (um)



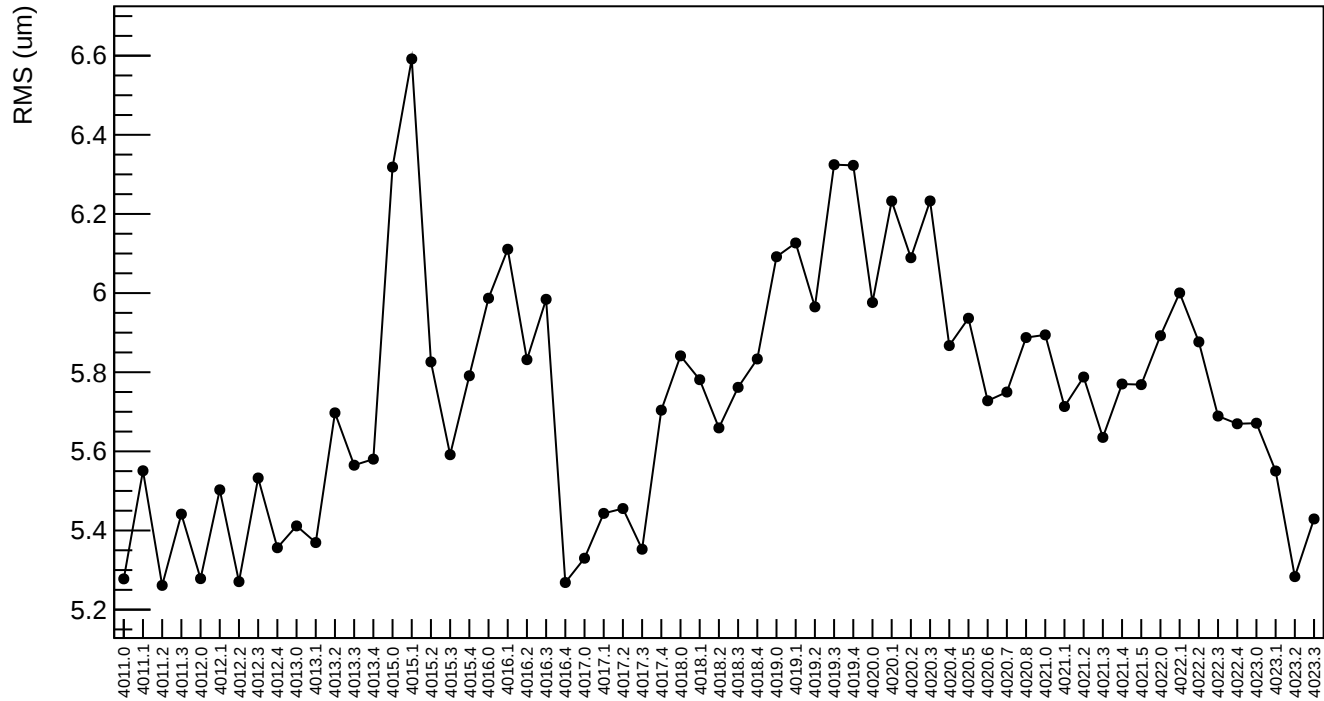
diff\_bpm11X (nm)



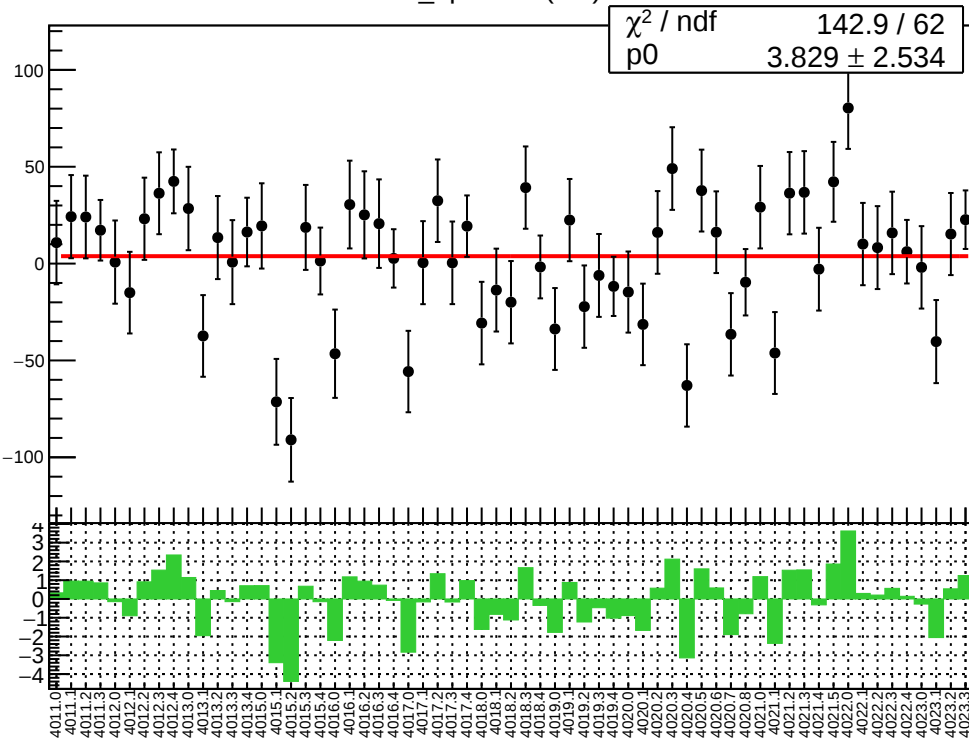
1D pull distribution



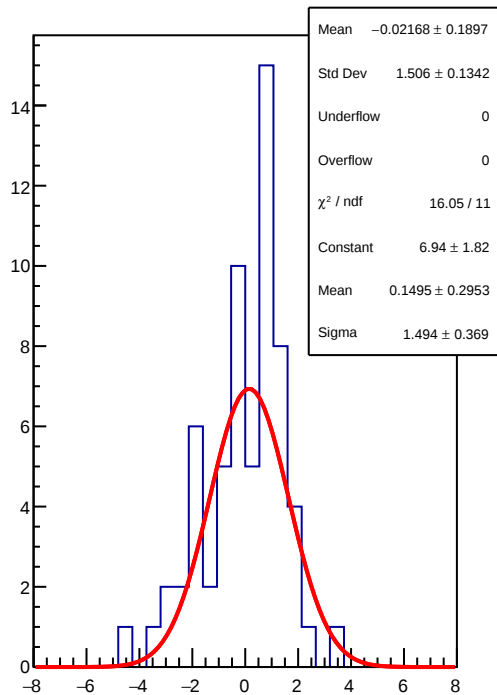
diff\_bpm11X RMS (um)



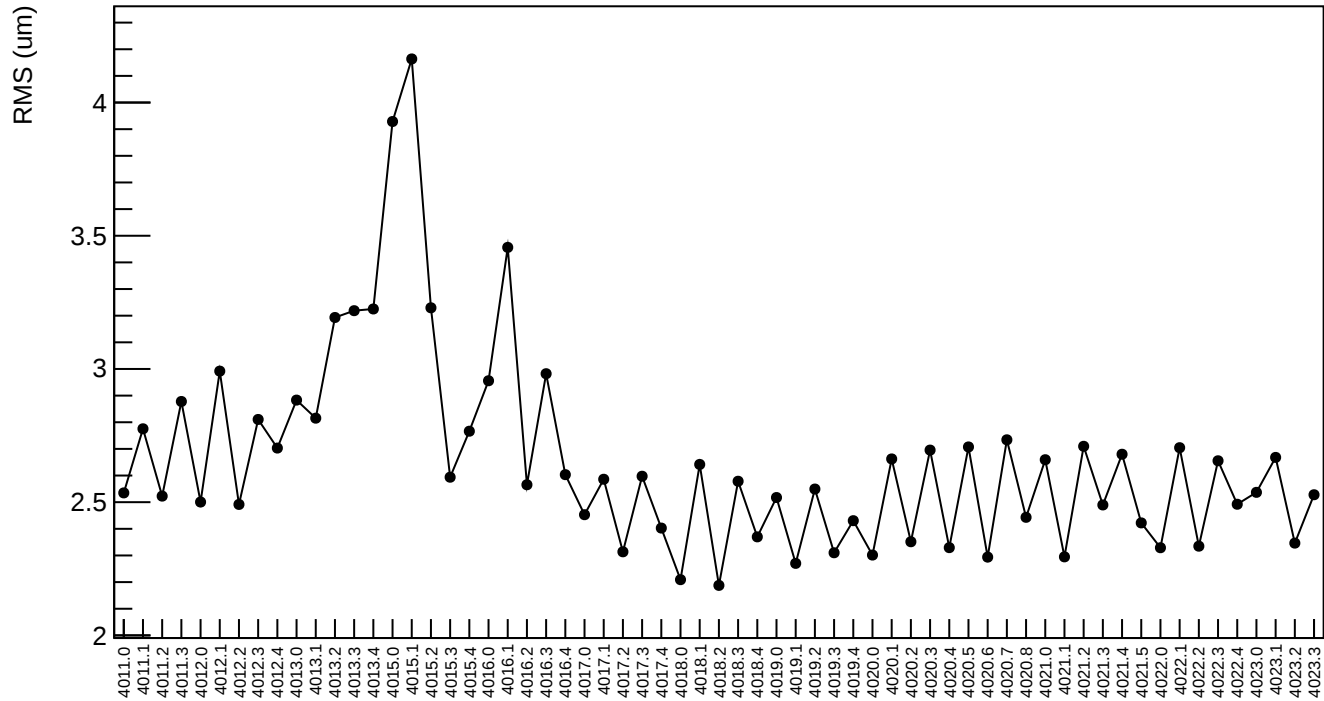
diff\_bpm11Y (nm)



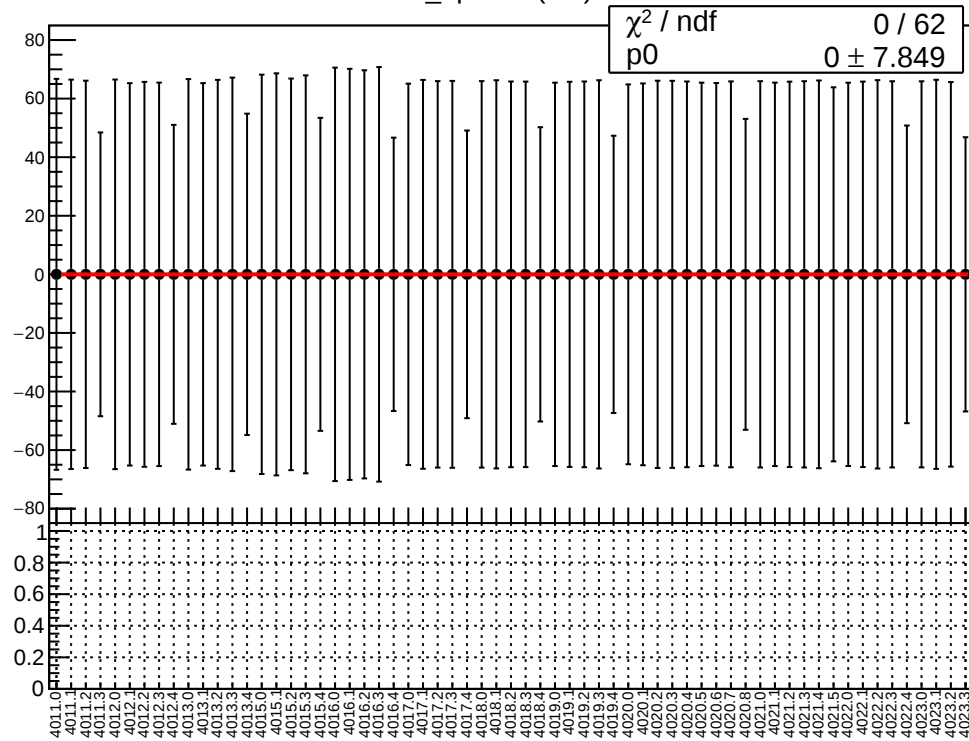
1D pull distribution



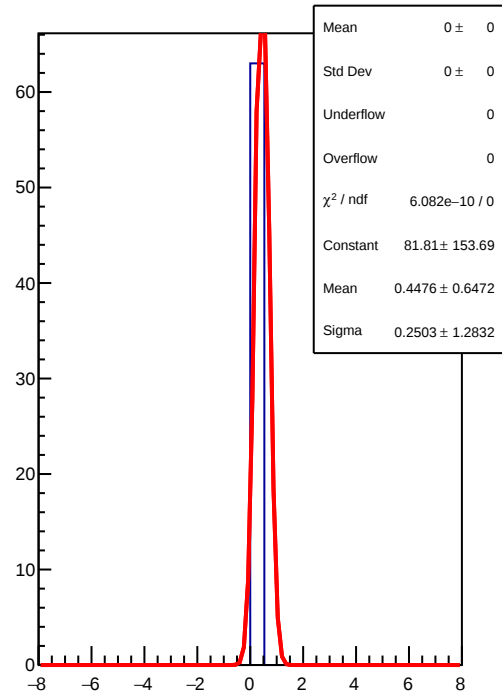
diff\_bpm11Y RMS (um)



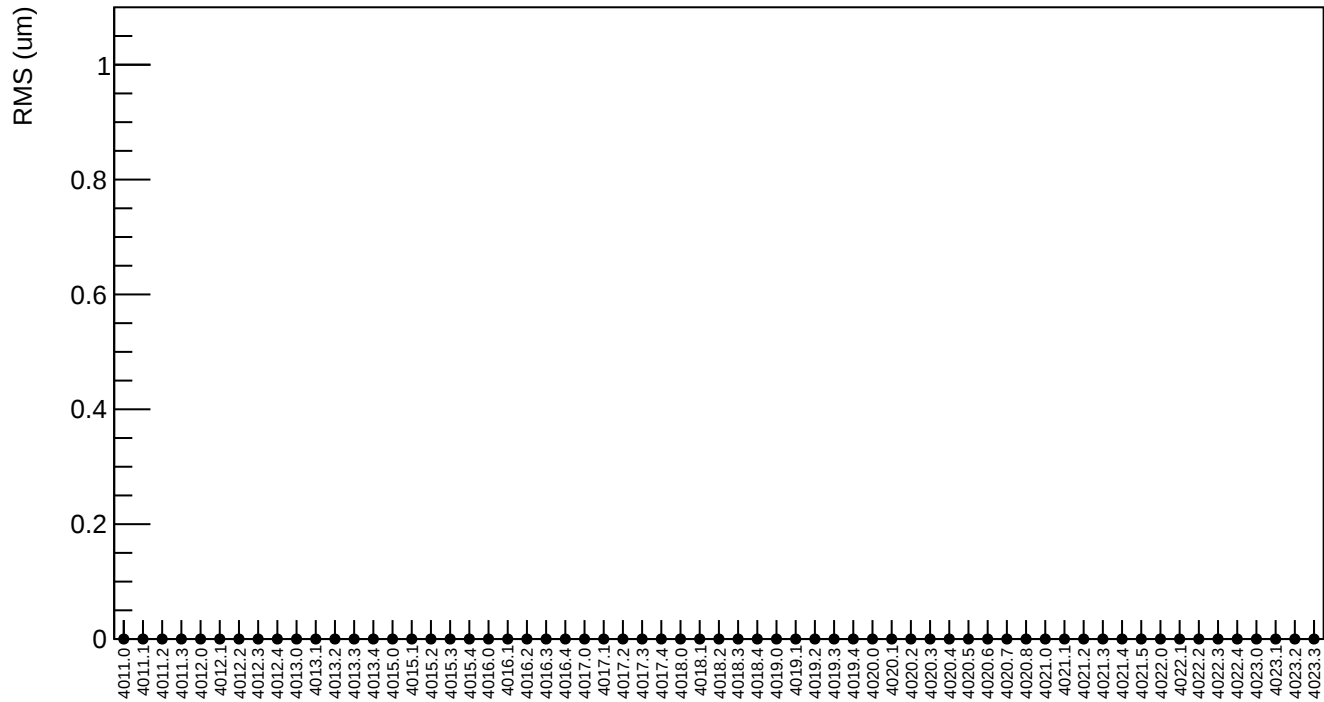
diff\_bpm8X (nm)



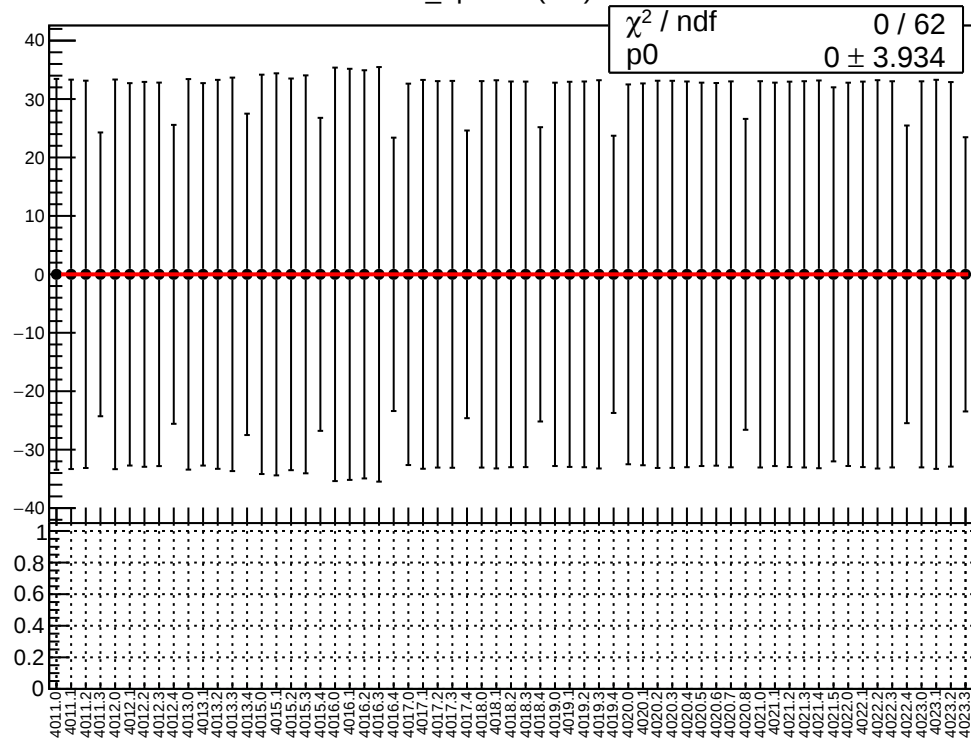
1D pull distribution



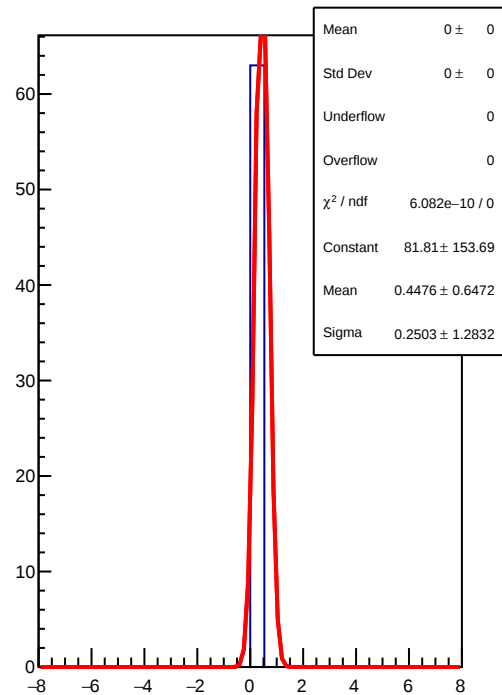
# diff\_bpm8X RMS (um)



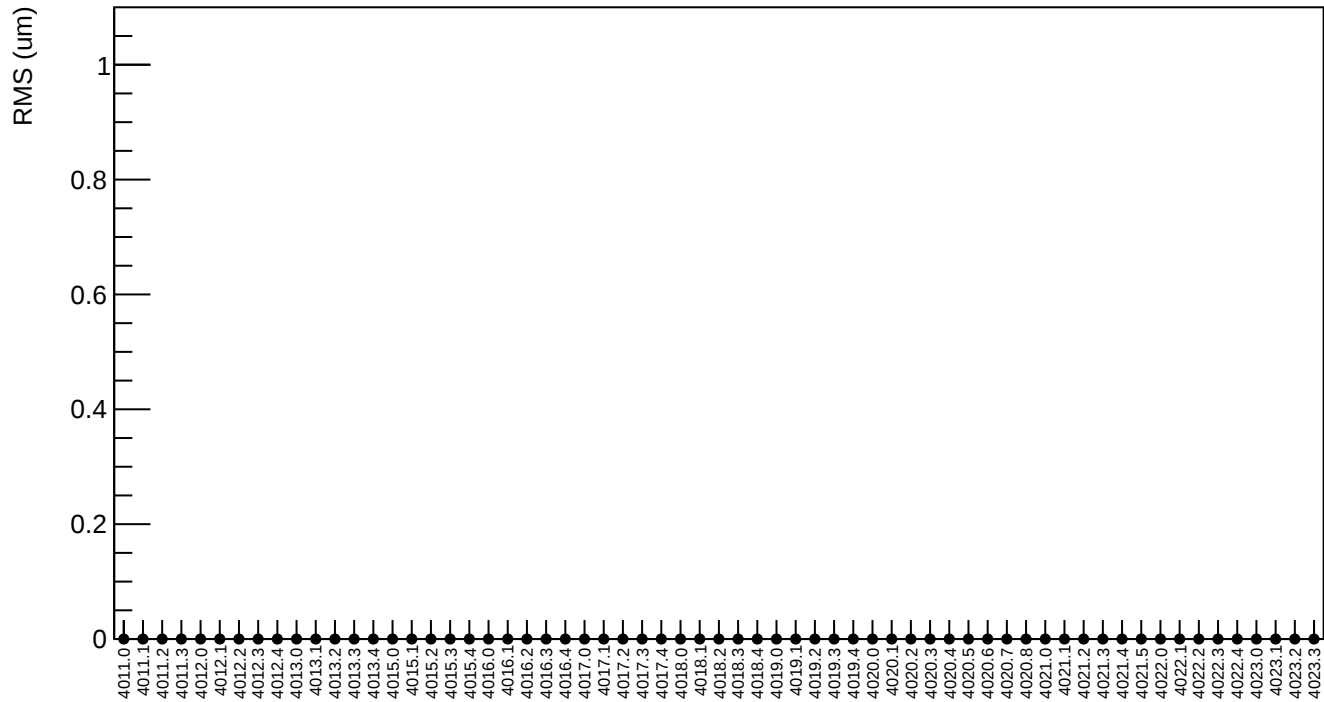
diff\_bpm8Y (nm)



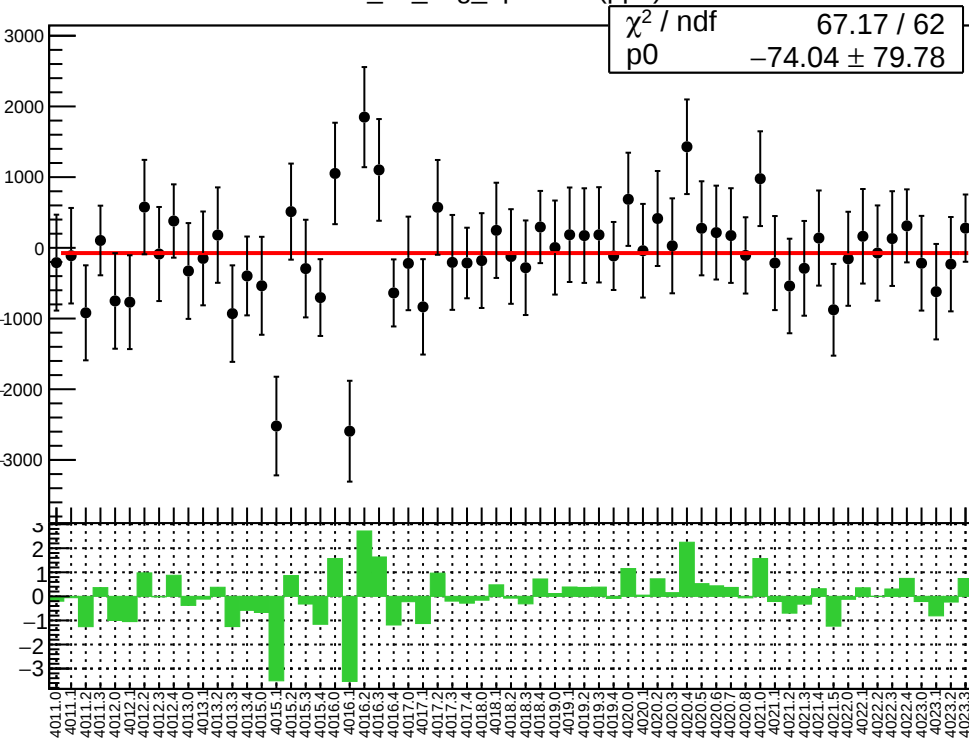
1D pull distribution



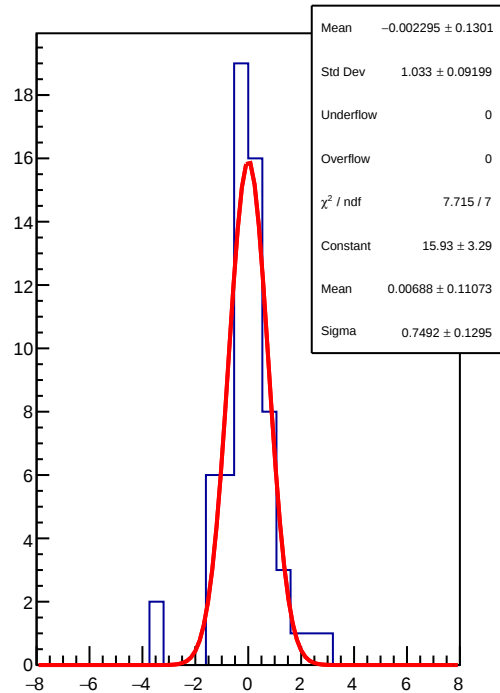
# diff\_bpm8Y RMS (um)



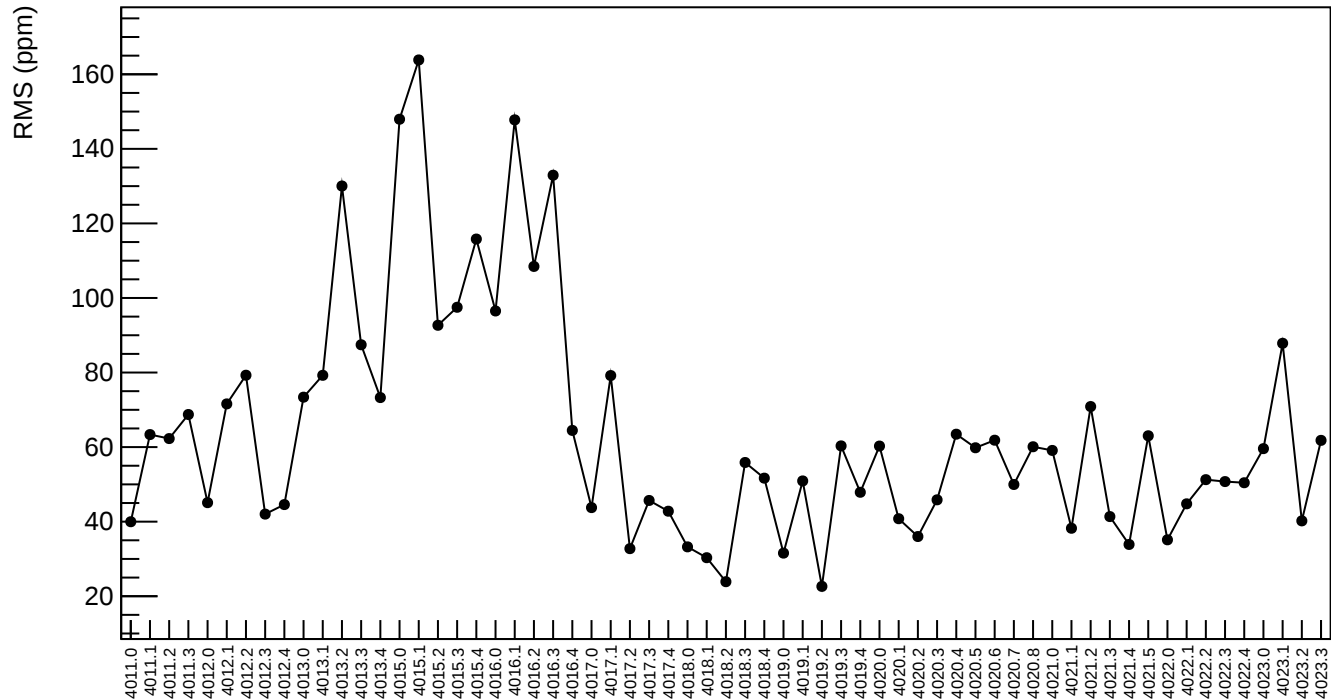
corr\_us\_avg\_bpm4eX (ppb)



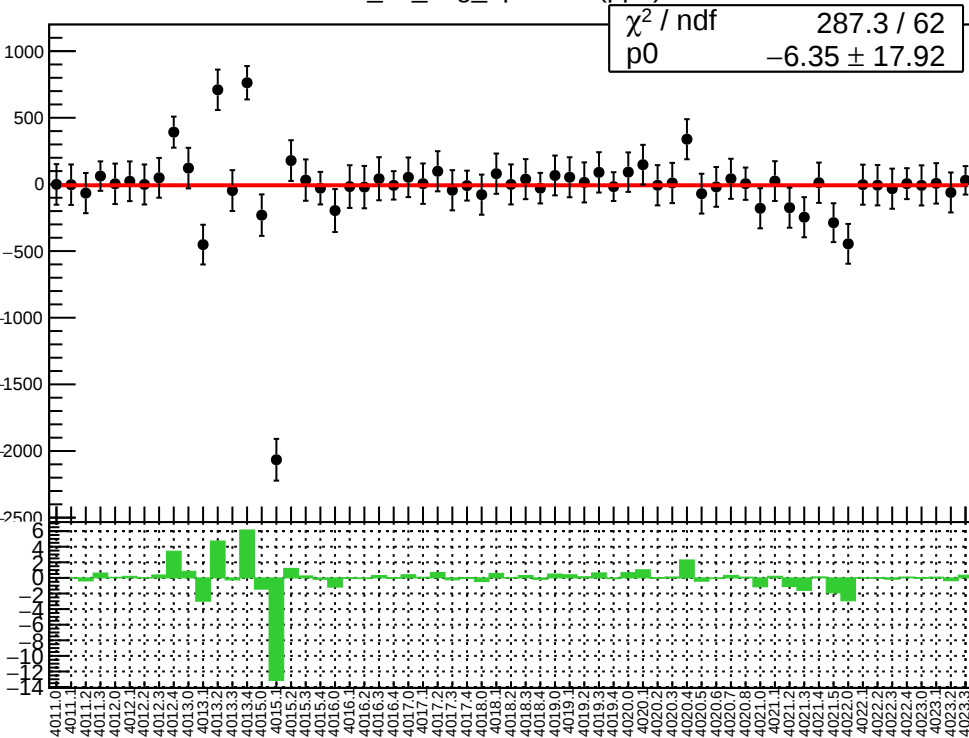
1D pull distribution



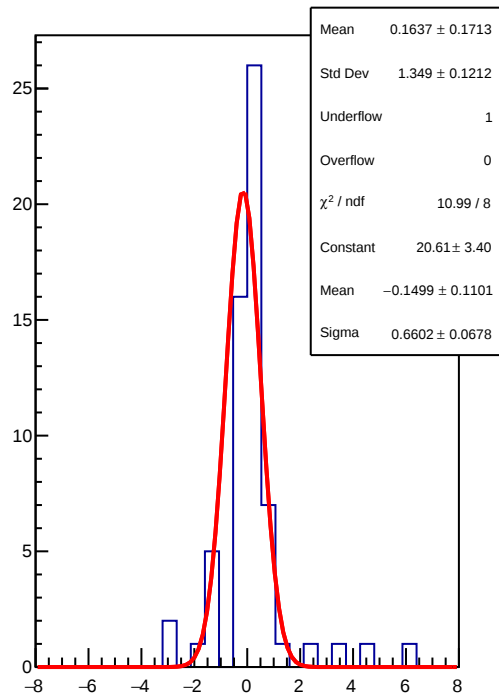
corr\_us\_avg\_bpm4eX RMS (ppm)



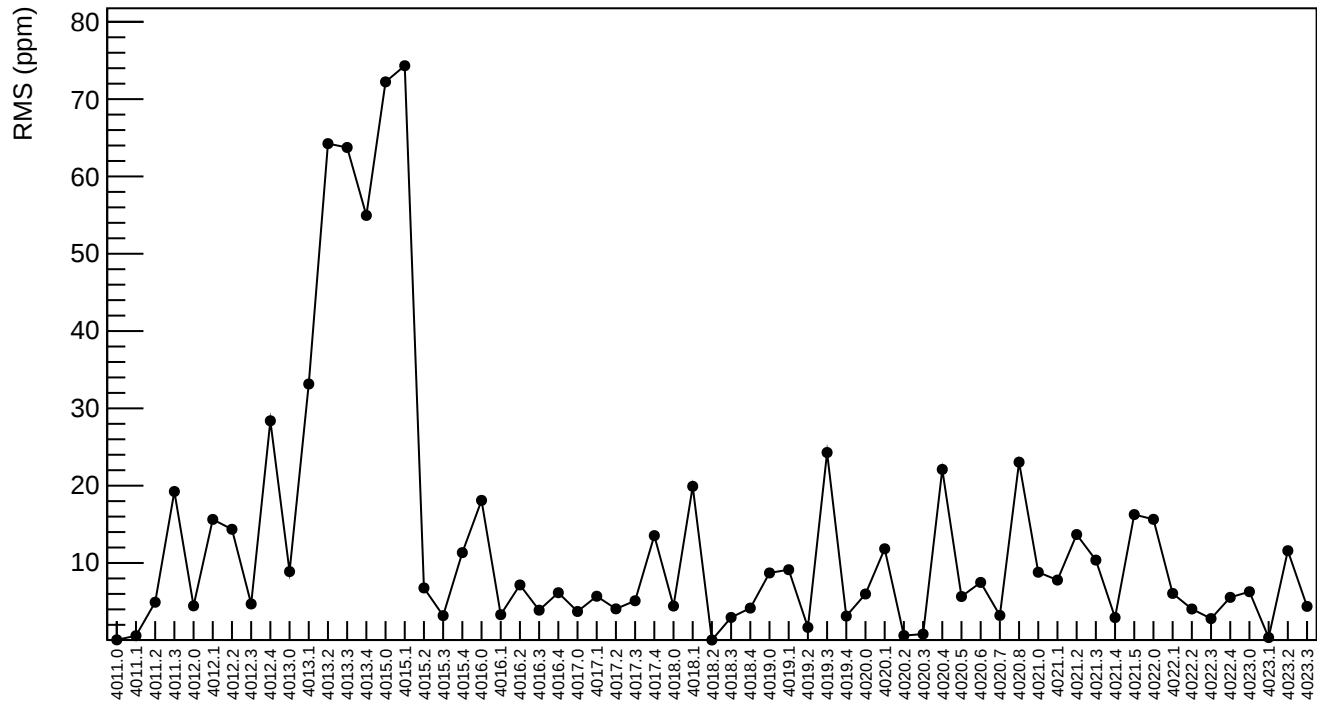
corr\_us\_avg\_bpm4eY (ppb)



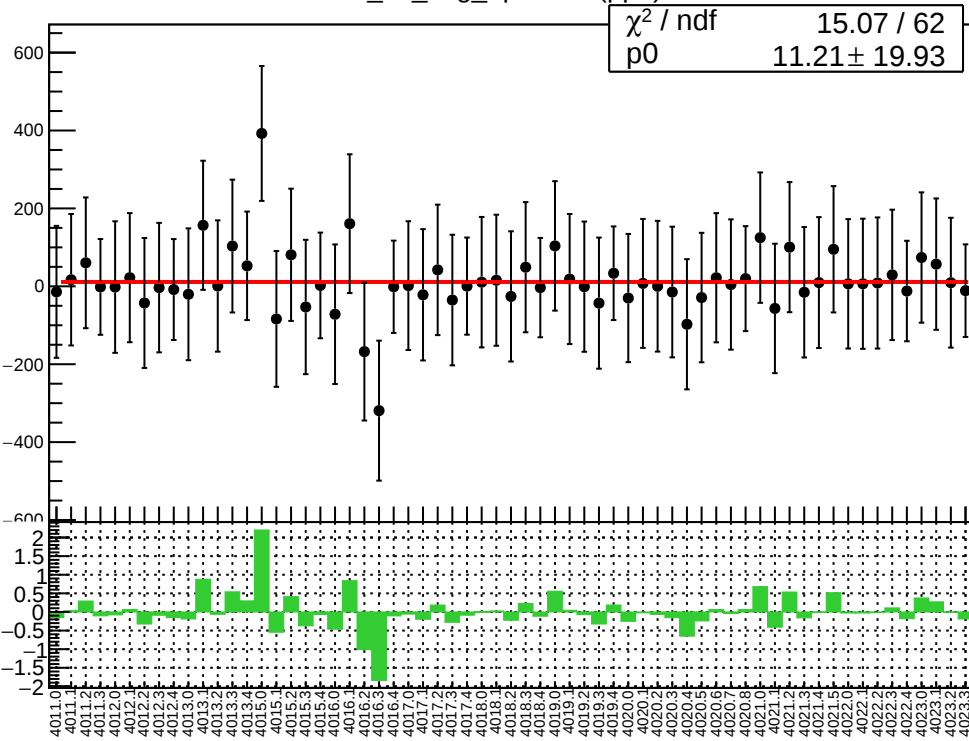
1D pull distribution



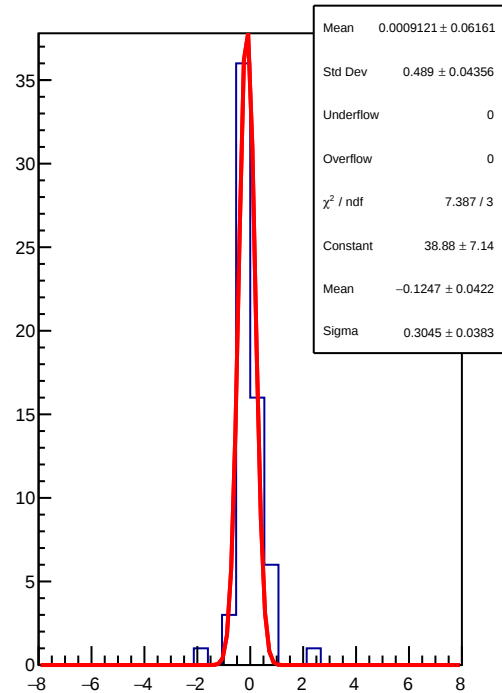
corr\_us\_avg\_bpm4eY RMS (ppm)



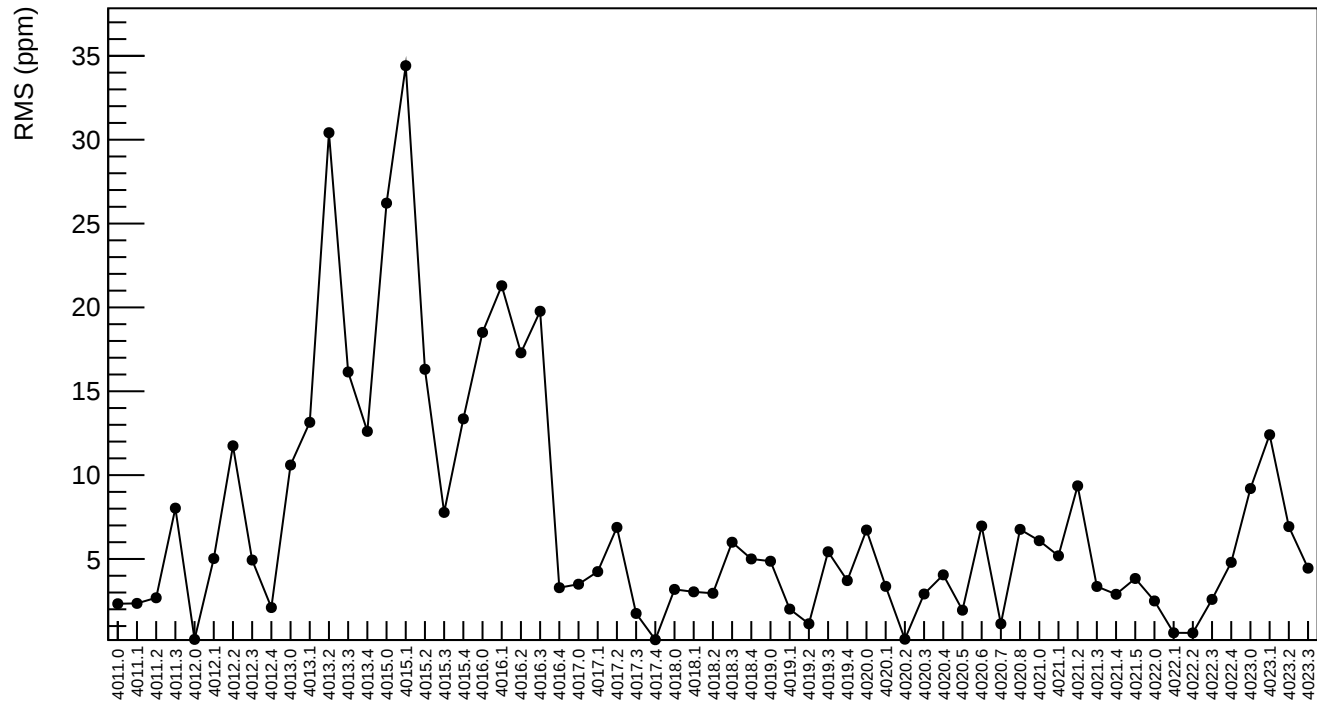
corr\_us\_avg\_bpm4aX (ppb)



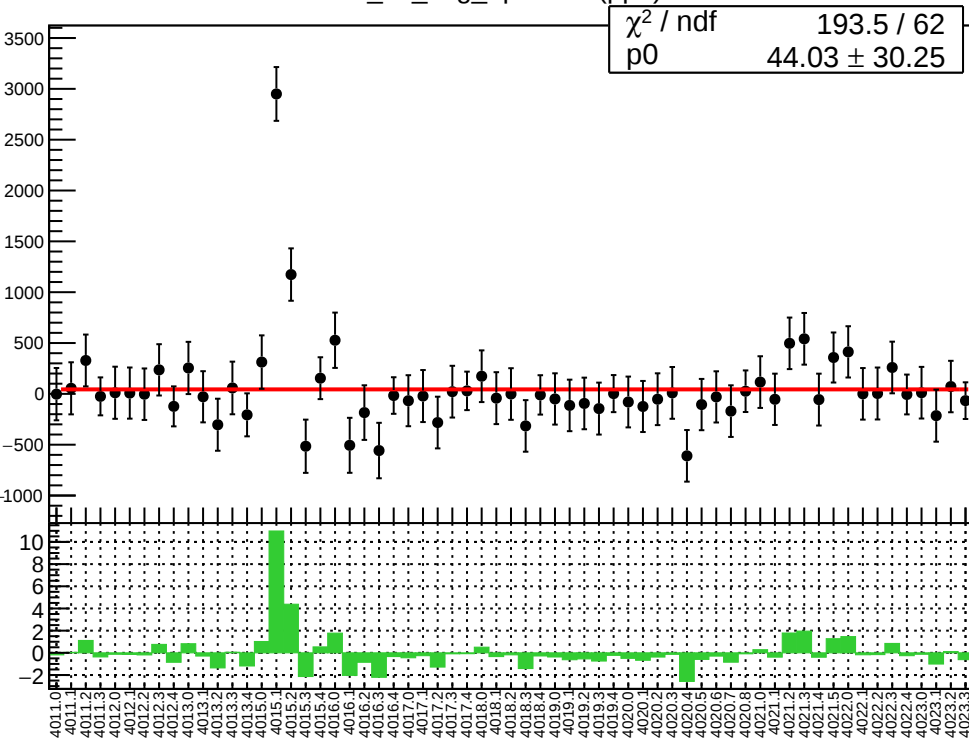
1D pull distribution



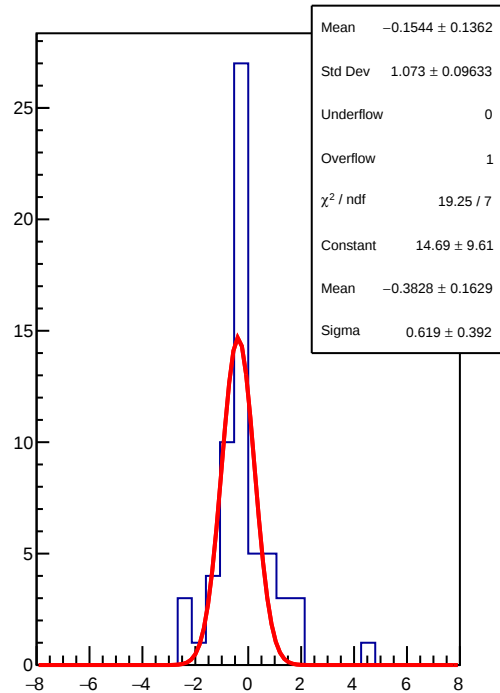
corr\_us\_avg\_bpm4aX RMS (ppm)



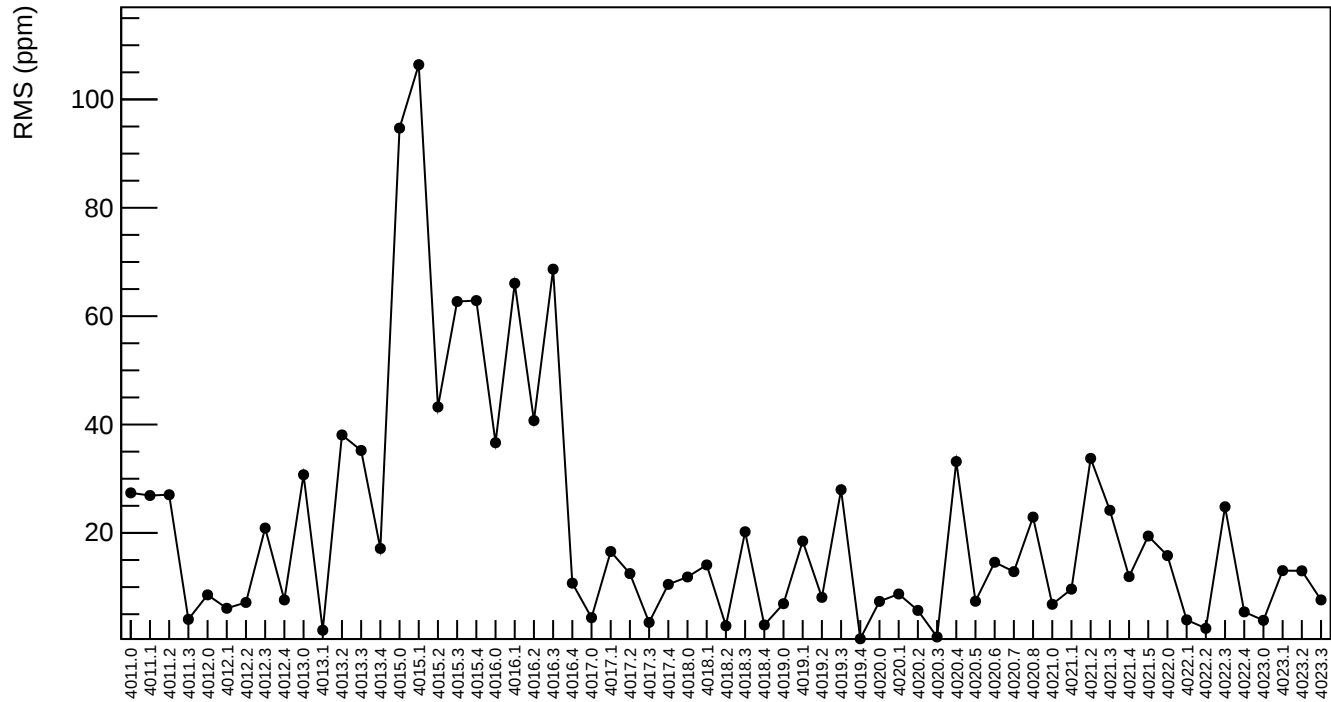
corr\_us\_avg\_bpm4aY (ppb)



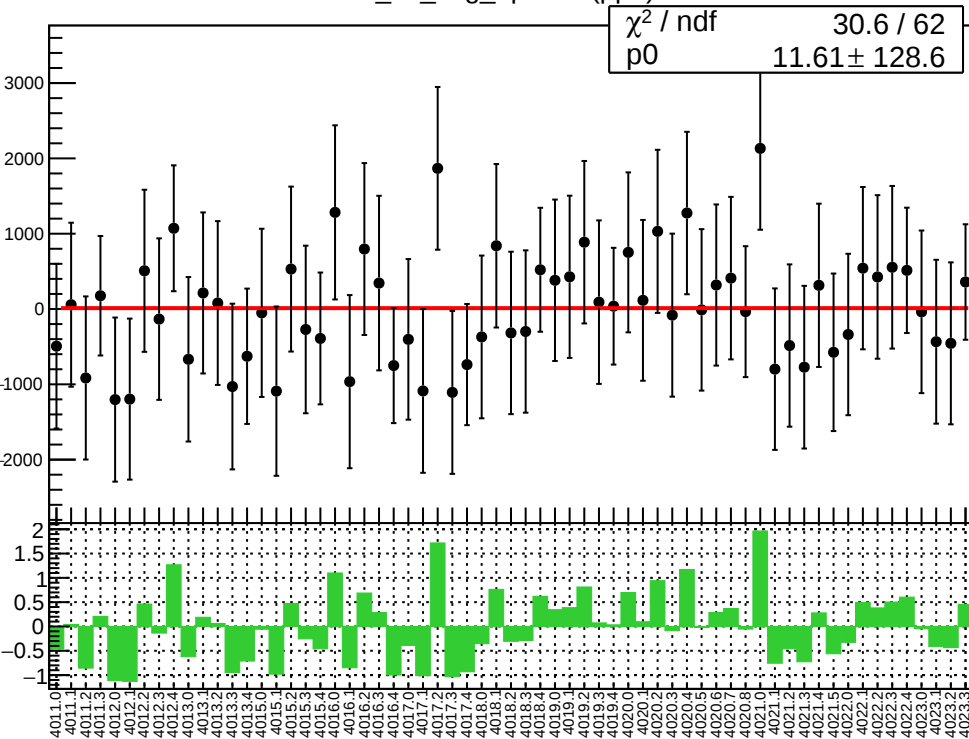
1D pull distribution



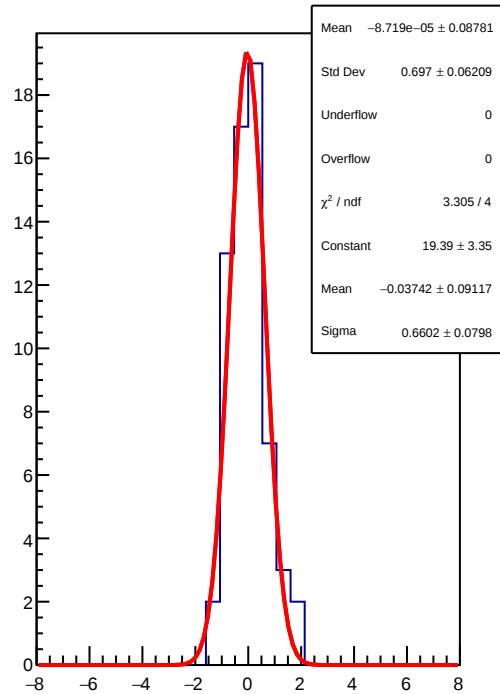
corr\_us\_avg\_bpm4aY RMS (ppm)



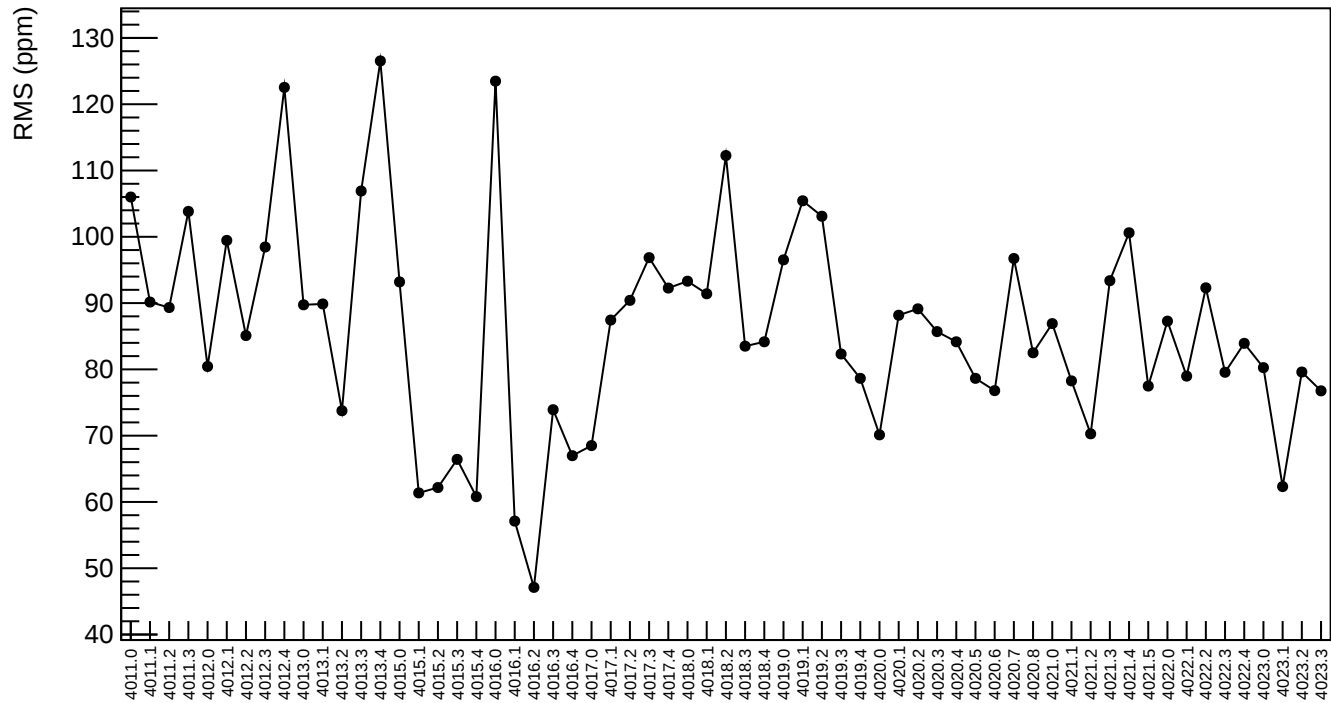
corr\_us\_avg\_bpm1X (ppb)

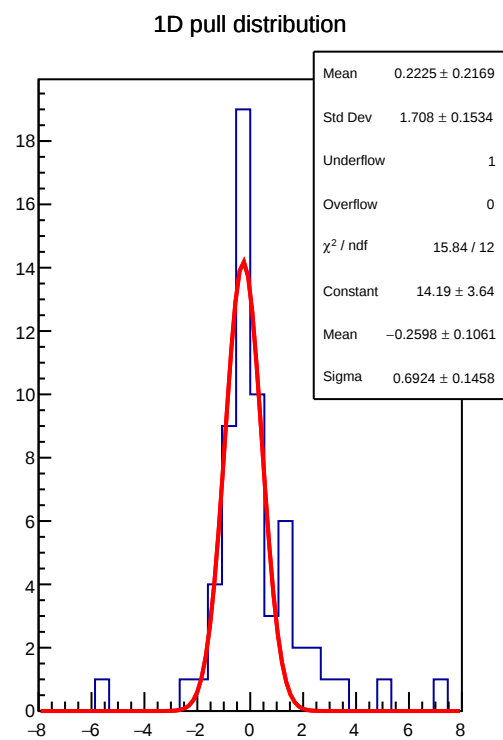
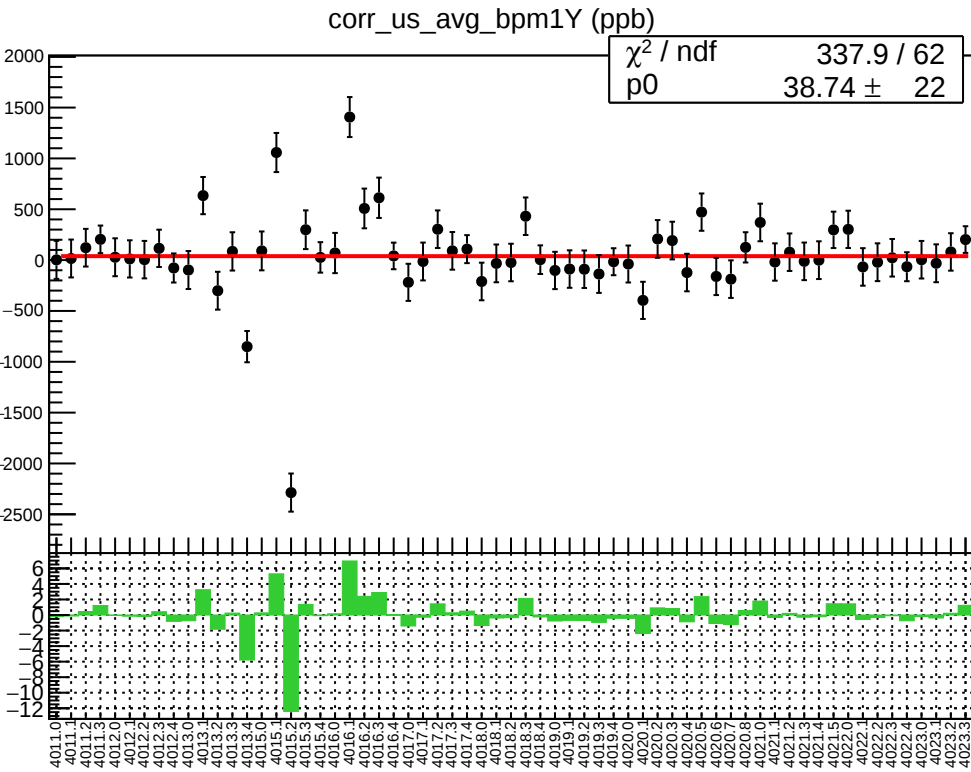


1D pull distribution

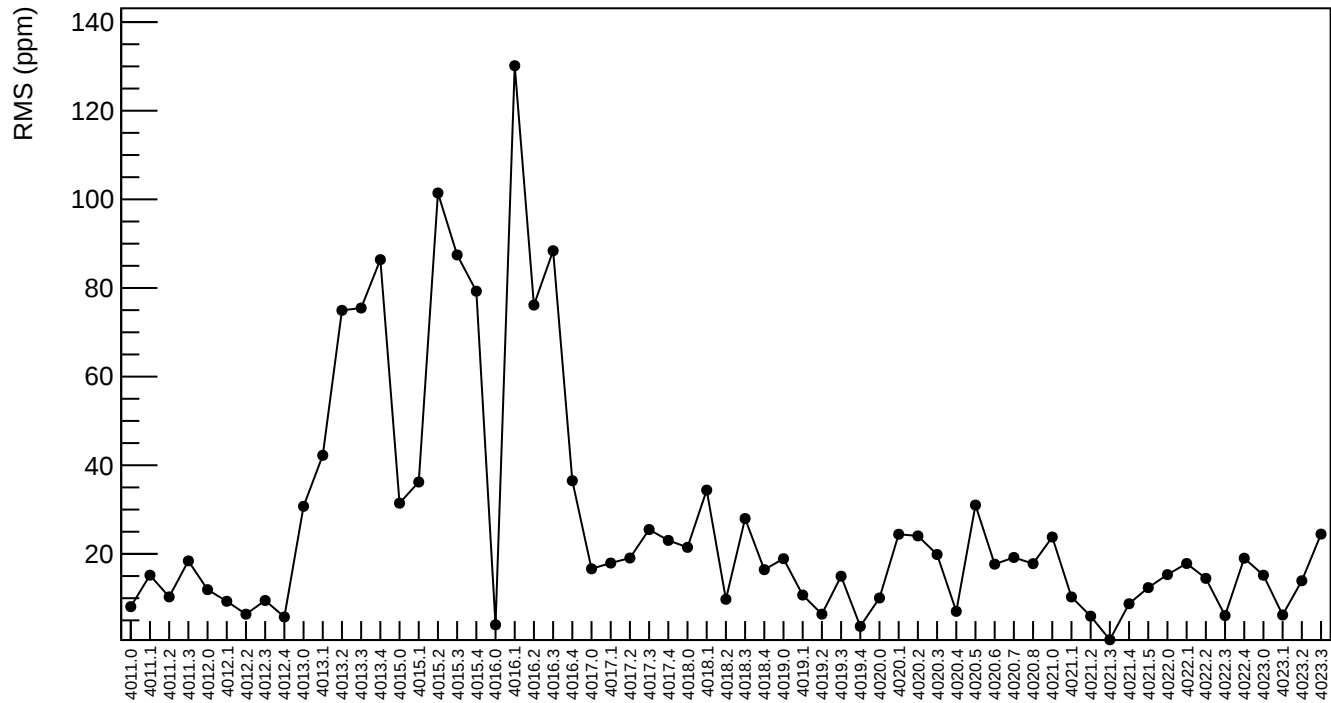


corr\_us\_avg\_bpm1X RMS (ppm)

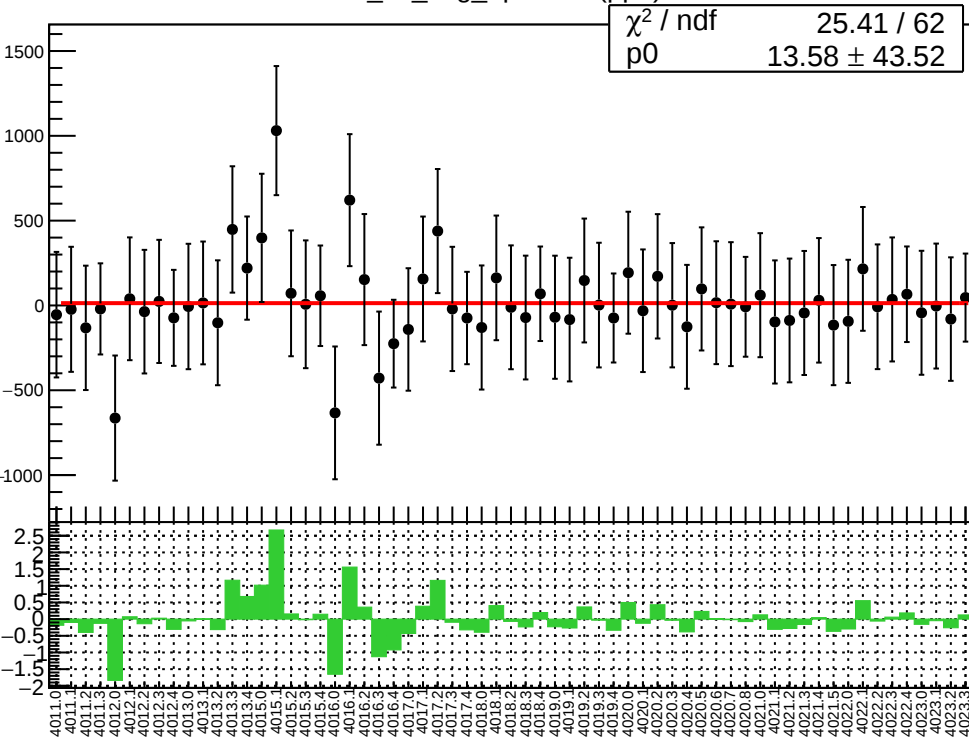




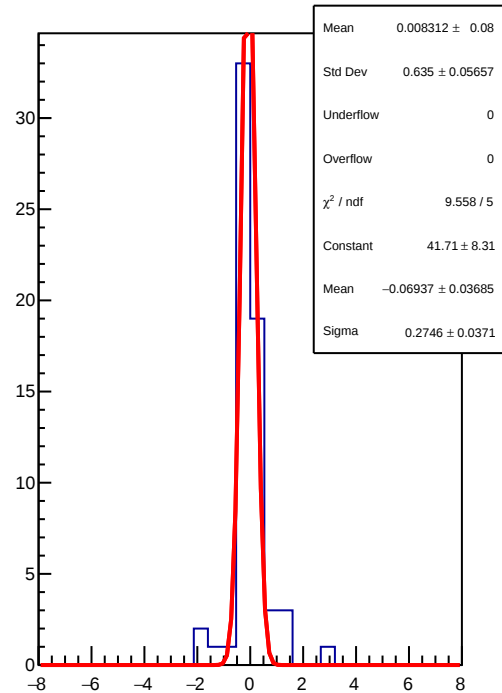
corr\_us\_avg\_bpm1Y RMS (ppm)



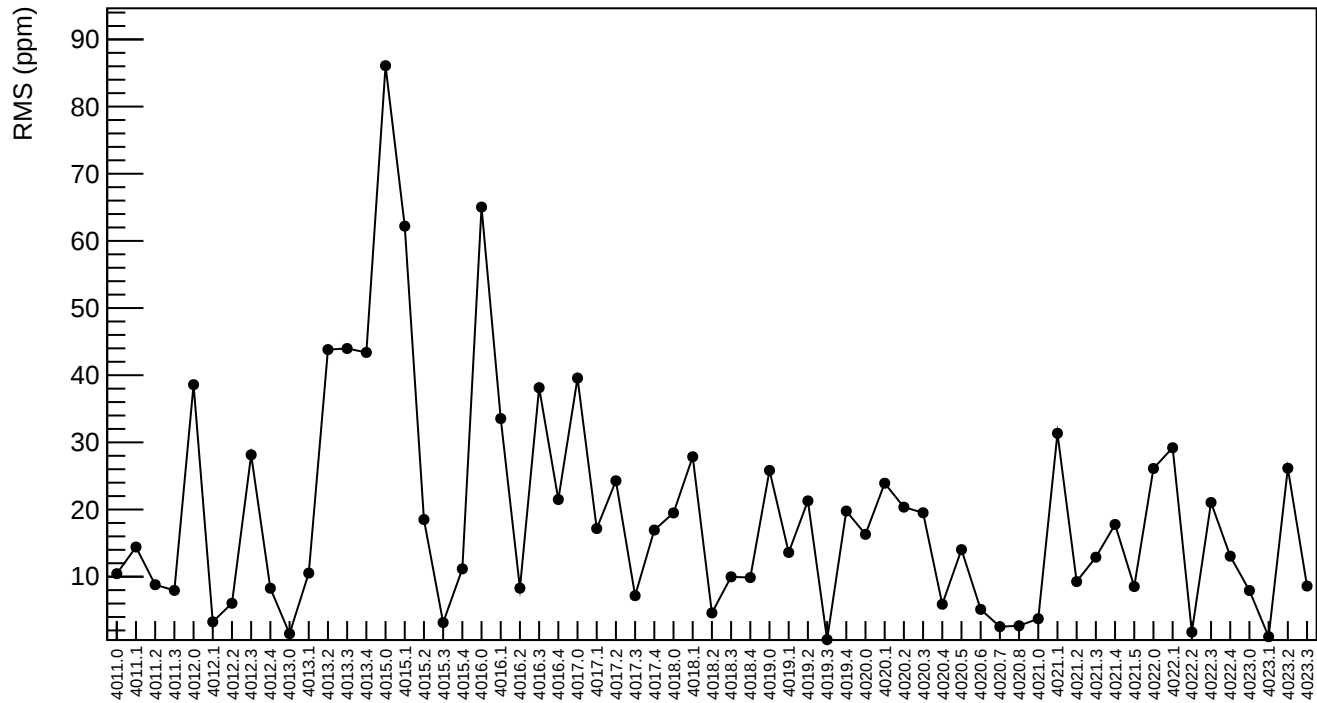
corr\_us\_avg\_bpm16X (ppb)



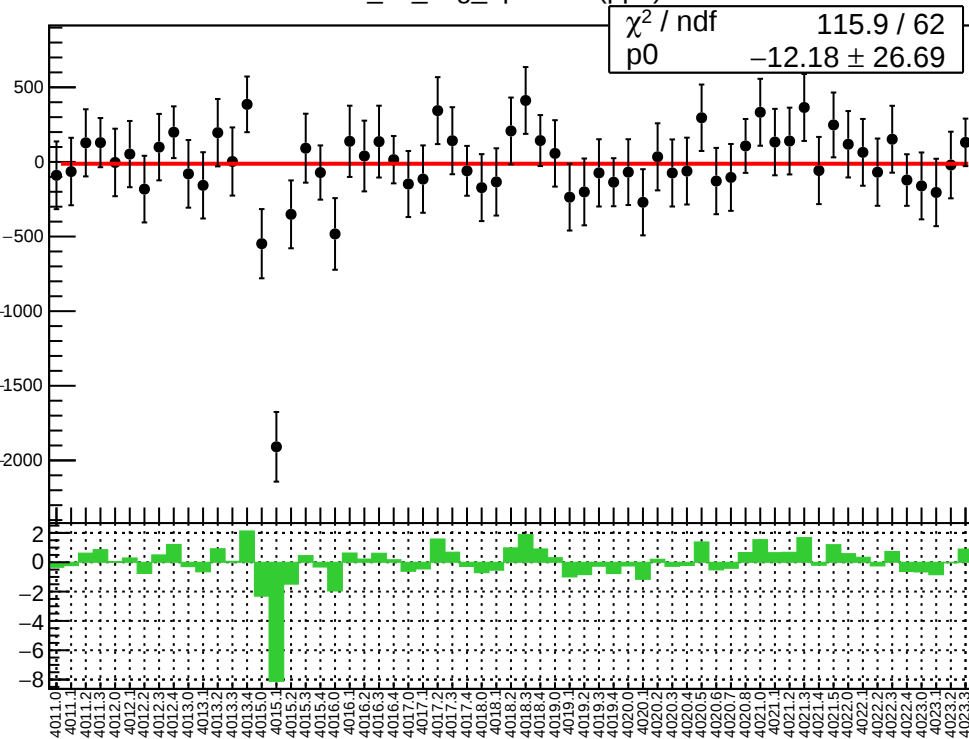
1D pull distribution



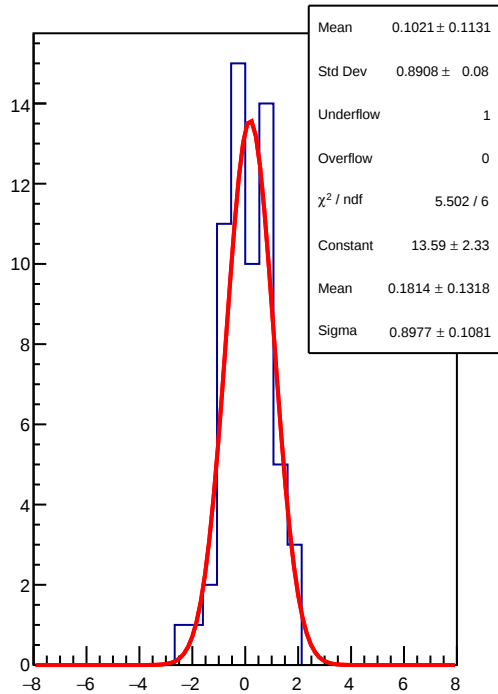
corr\_us\_avg\_bpm16X RMS (ppm)



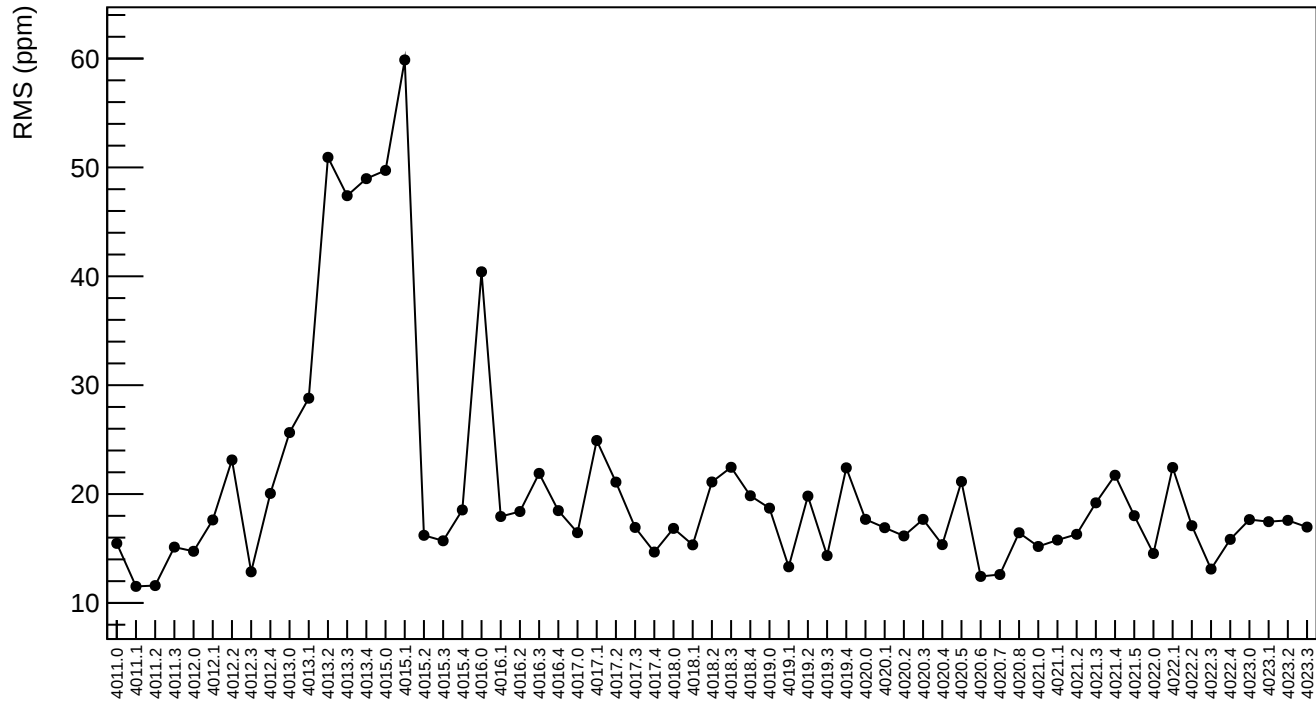
corr\_us\_avg\_bpm16Y (ppb)



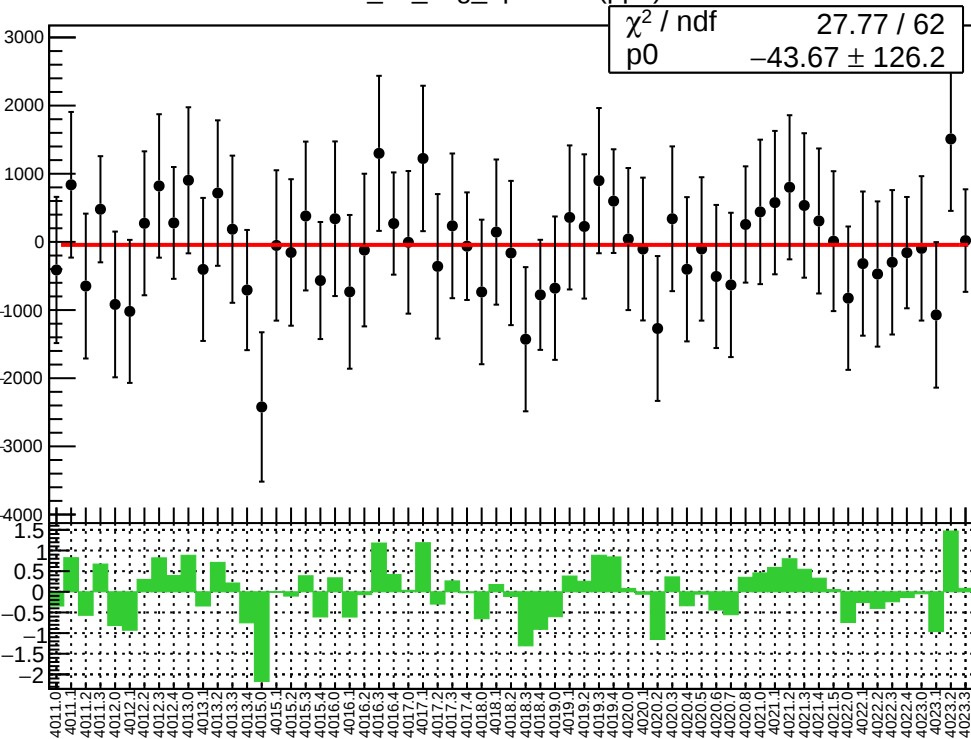
1D pull distribution



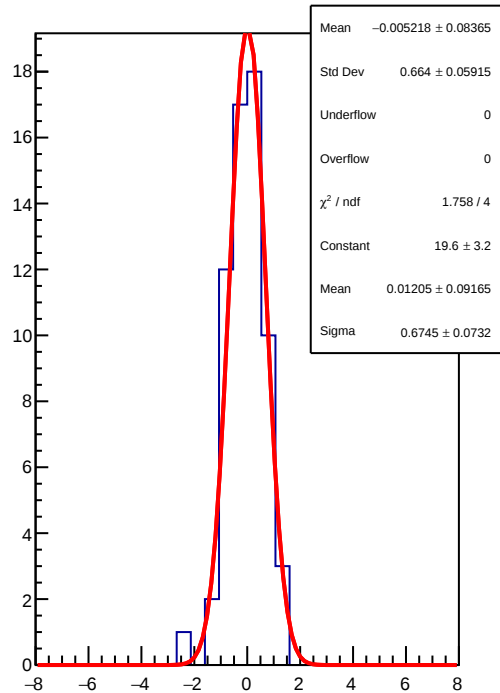
corr\_us\_avg\_bpm16Y RMS (ppm)



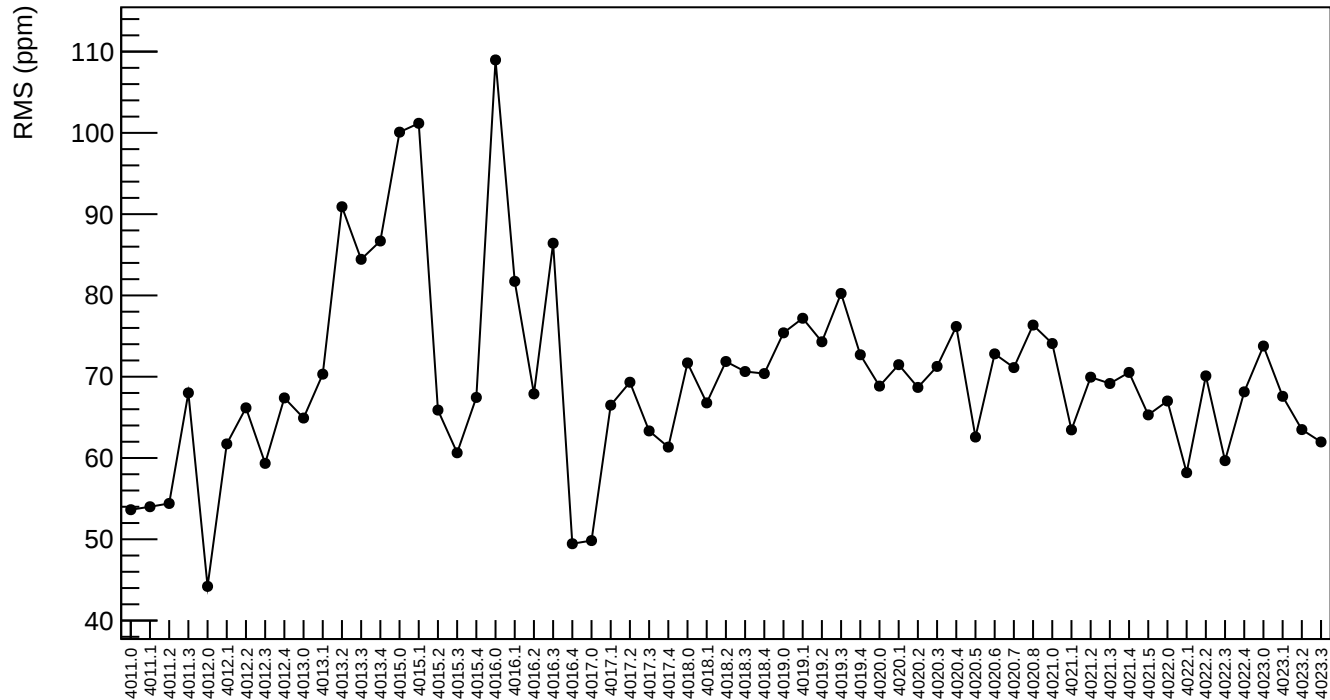
corr\_us\_avg\_bpm12X (ppb)



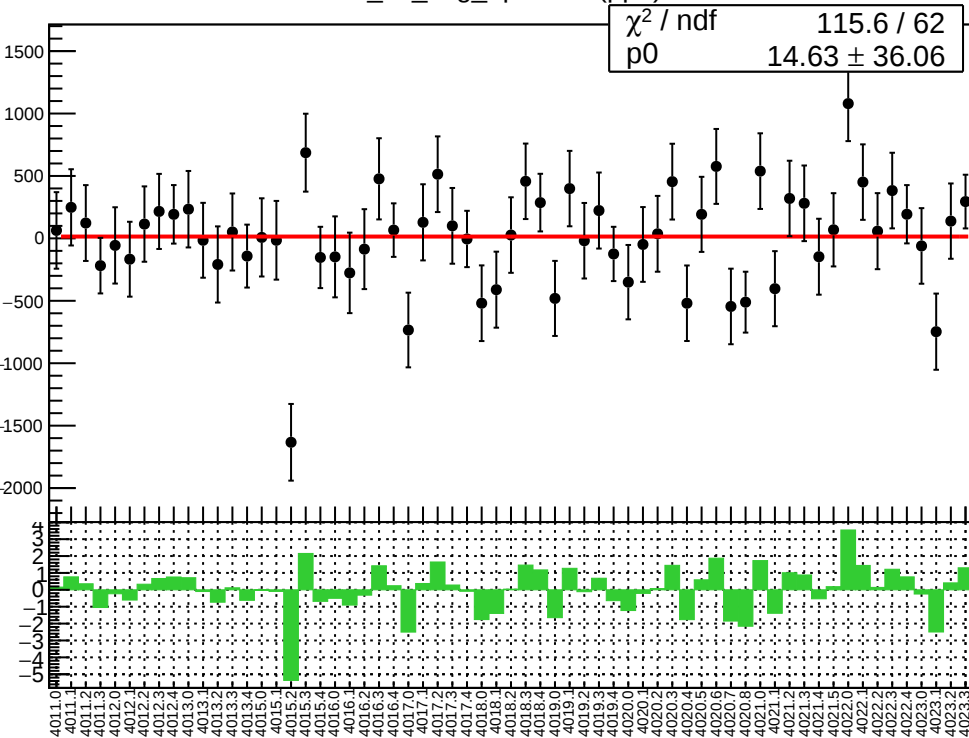
1D pull distribution



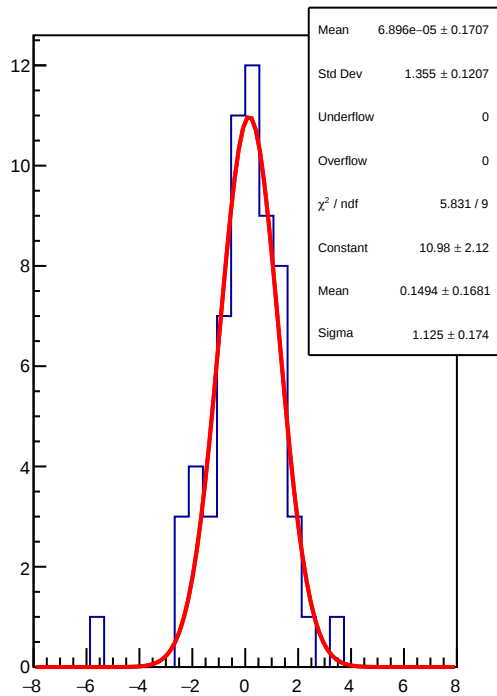
corr\_us\_avg\_bpm12X RMS (ppm)



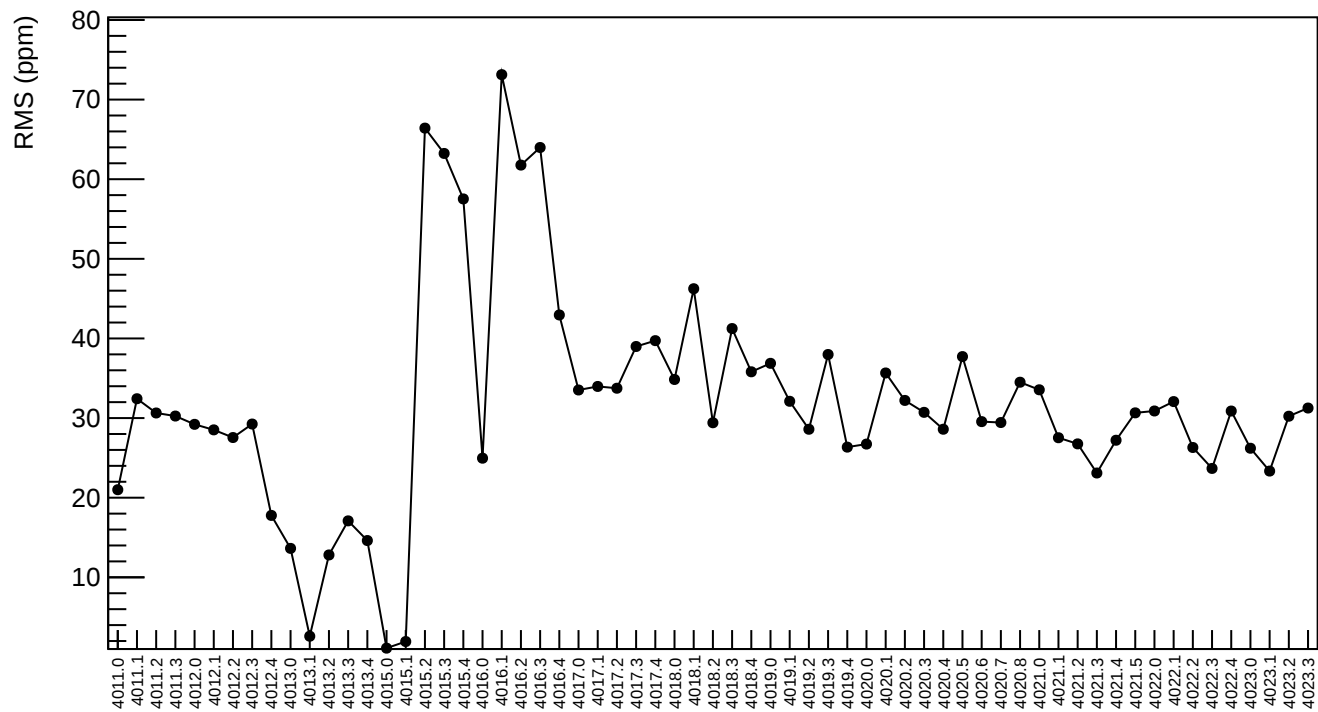
corr\_us\_avg\_bpm12Y (ppb)



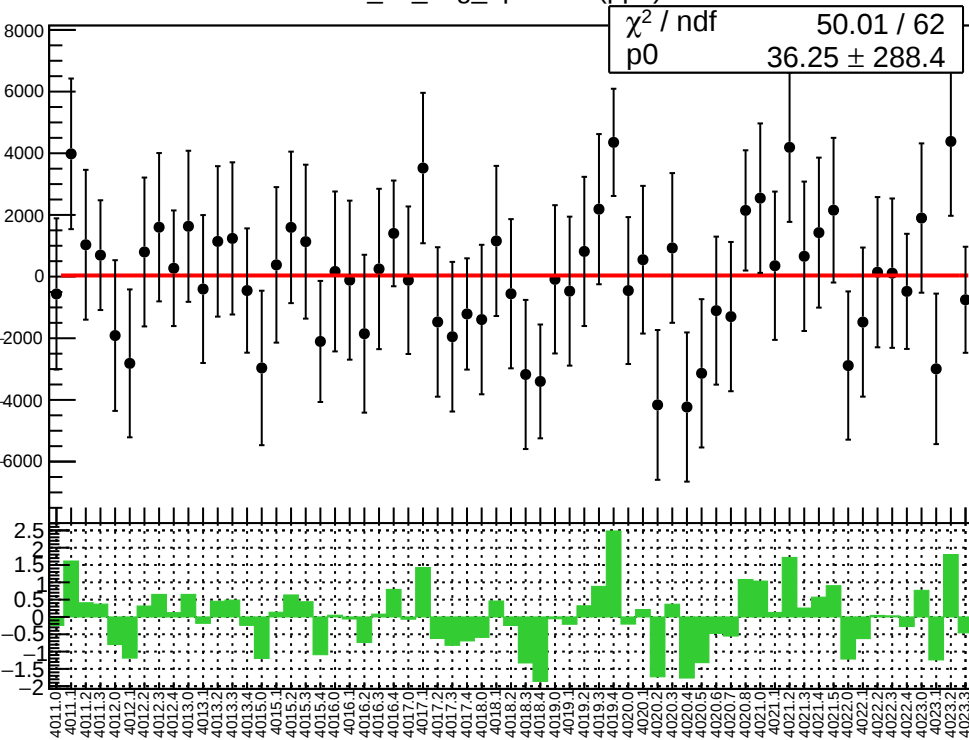
1D pull distribution



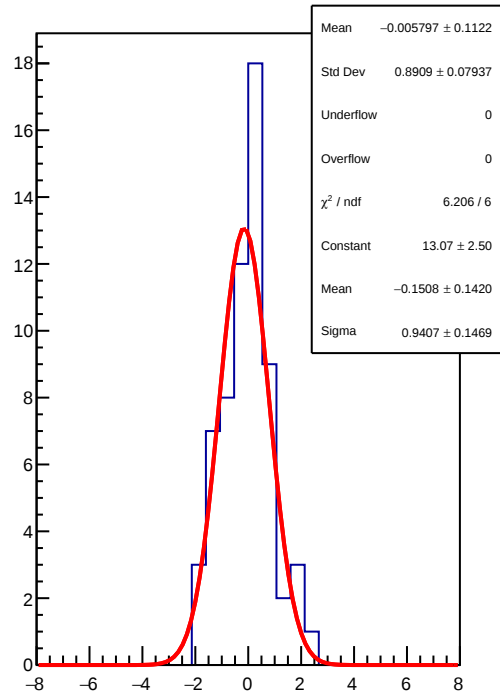
corr\_us\_avg\_bpm12Y RMS (ppm)



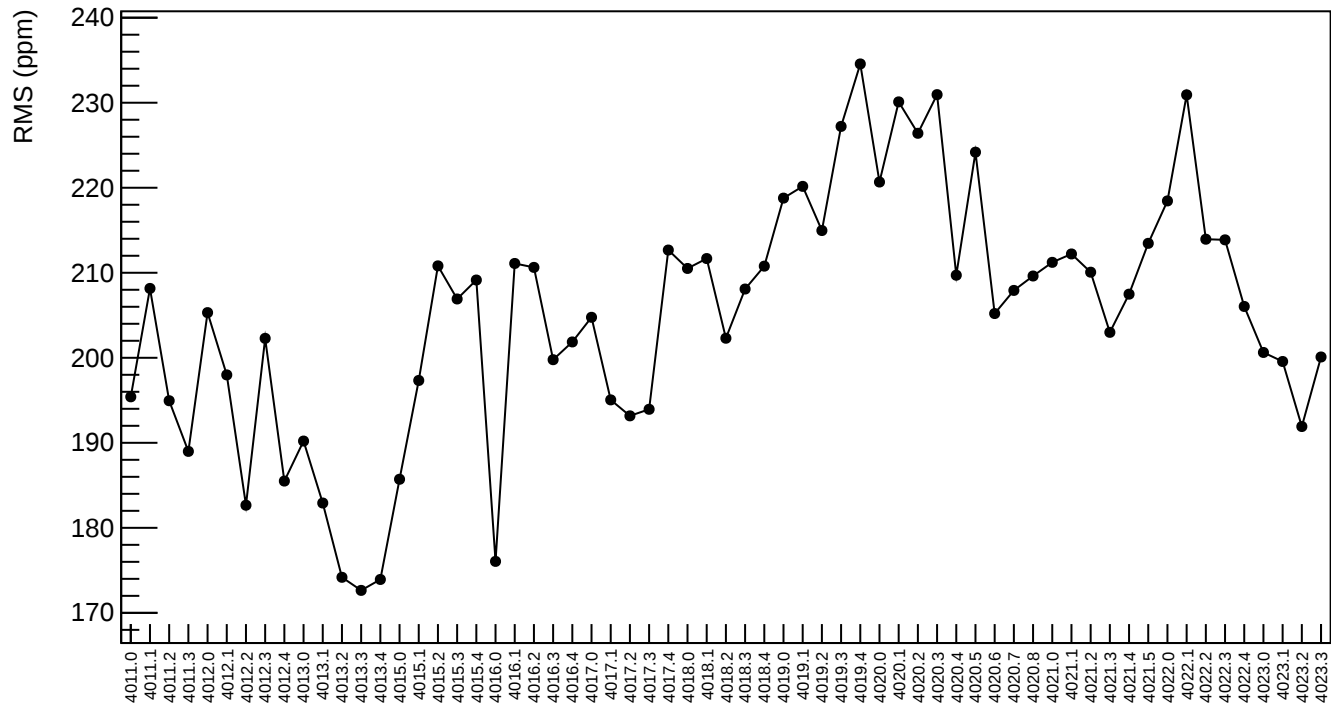
corr\_us\_avg\_bpm11X (ppb)



1D pull distribution



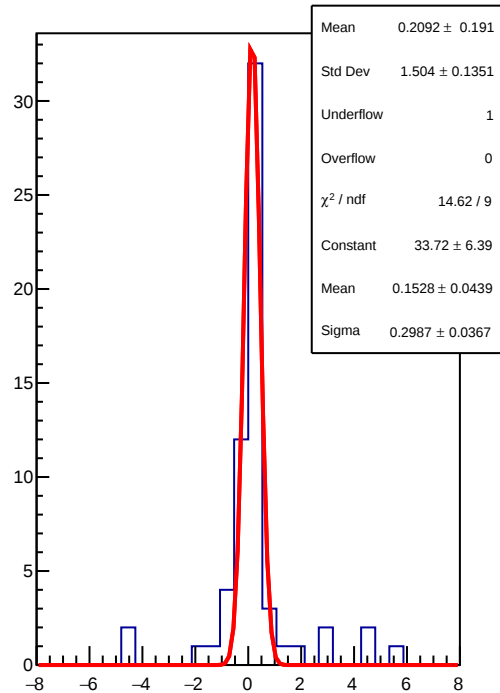
corr\_us\_avg\_bpm11X RMS (ppm)



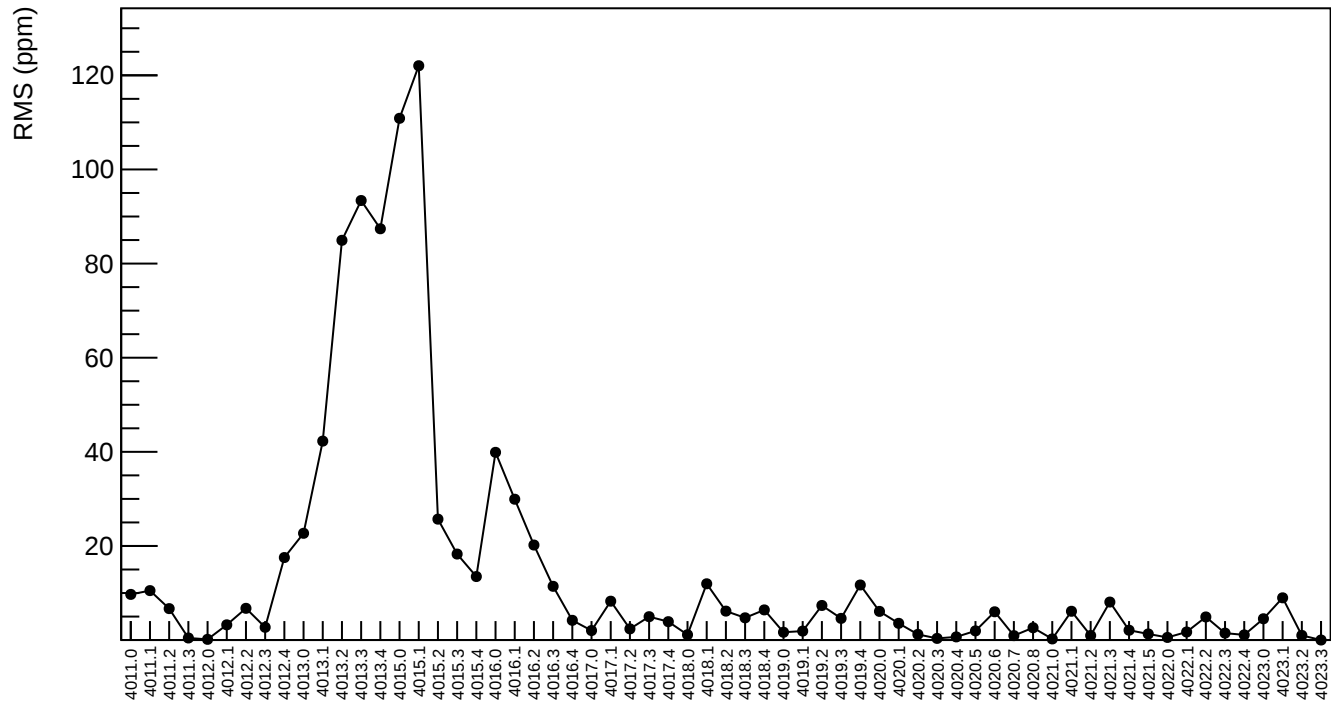
corr\_us\_avg\_bpm11Y (ppb)



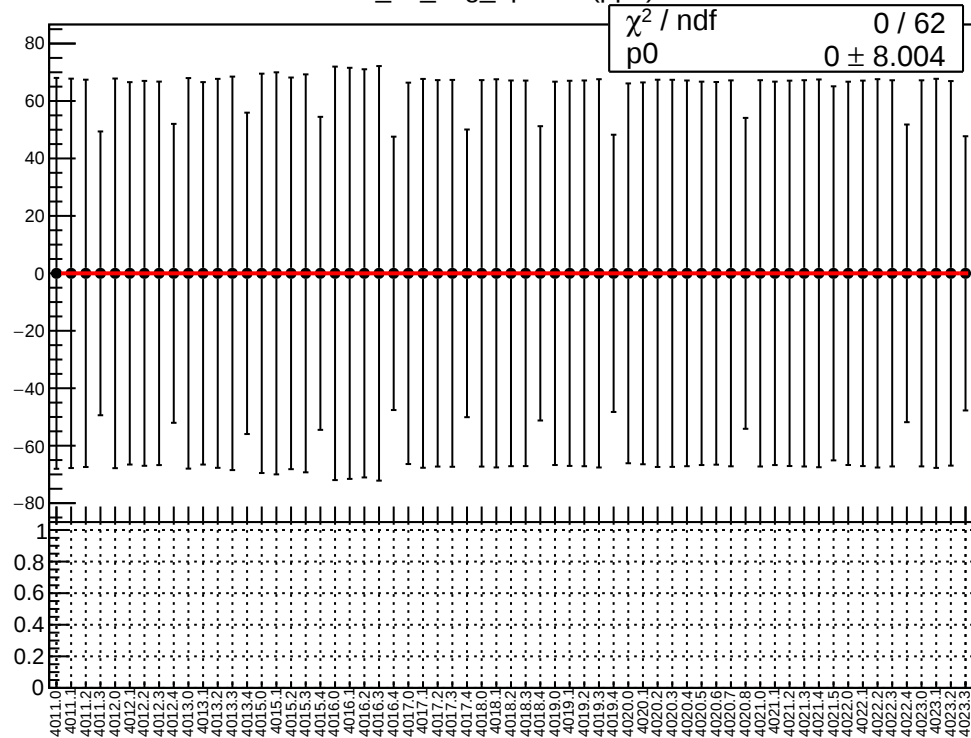
1D pull distribution



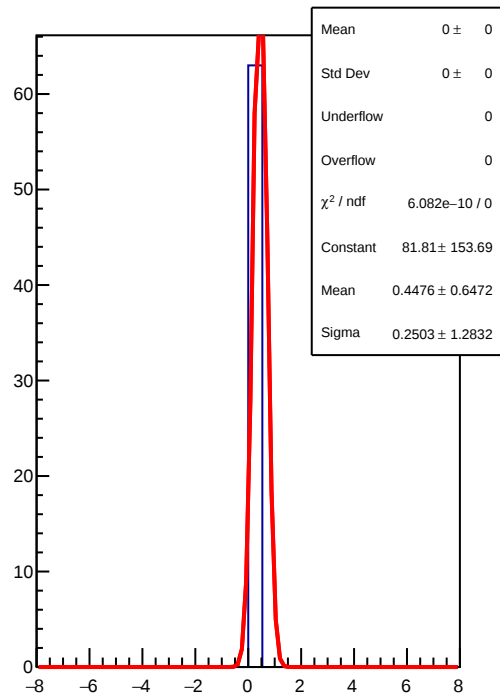
corr\_us\_avg\_bpm11Y RMS (ppm)



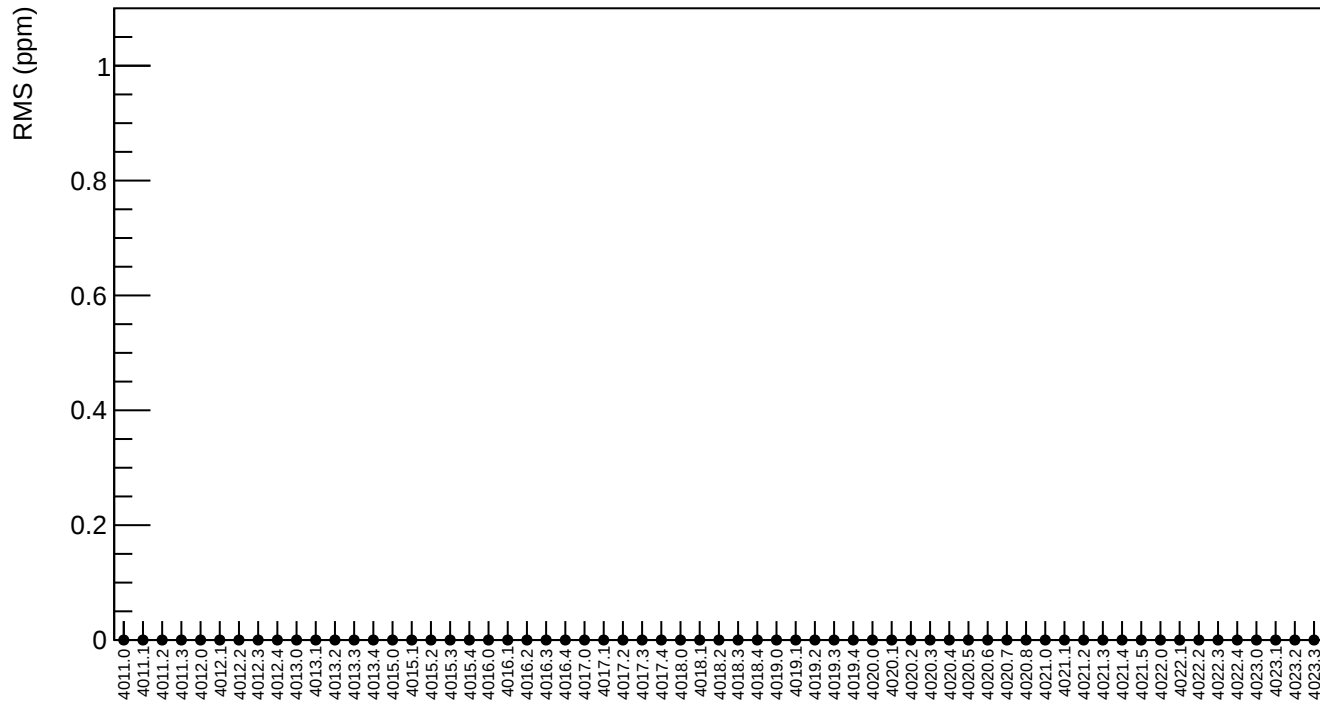
corr\_us\_avg\_bpm8X (ppb)



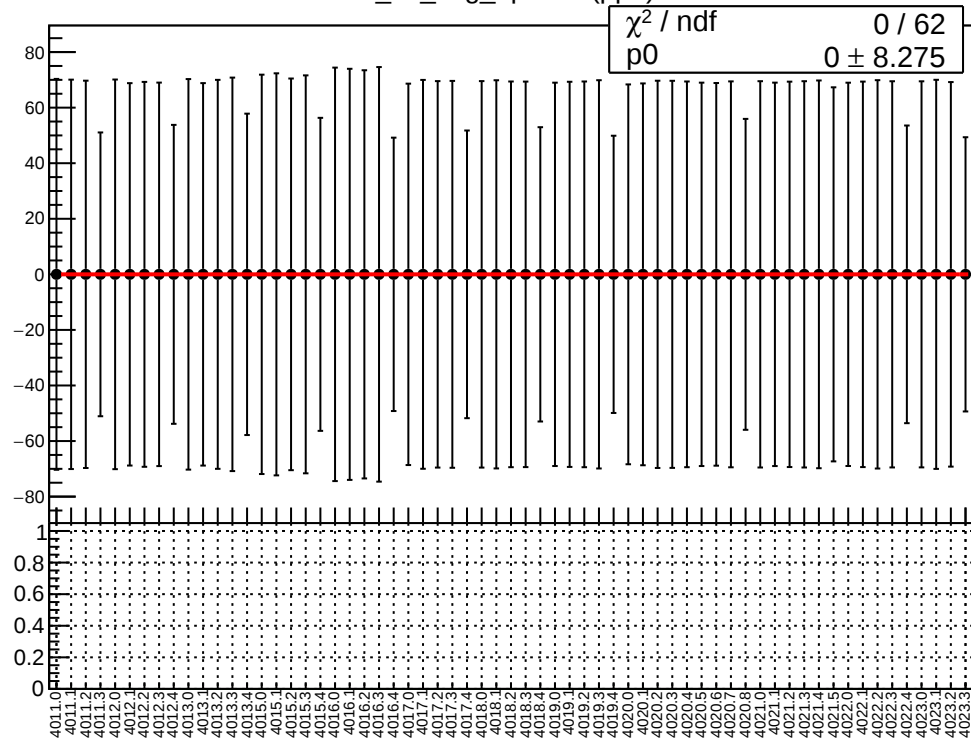
1D pull distribution



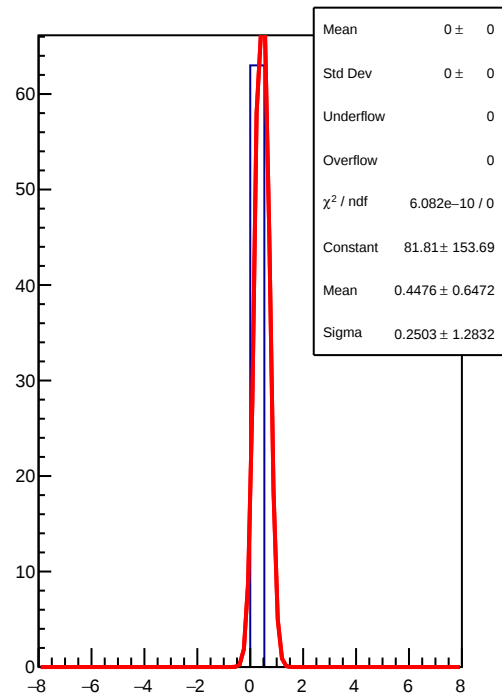
corr\_us\_avg\_bpm8X RMS (ppm)



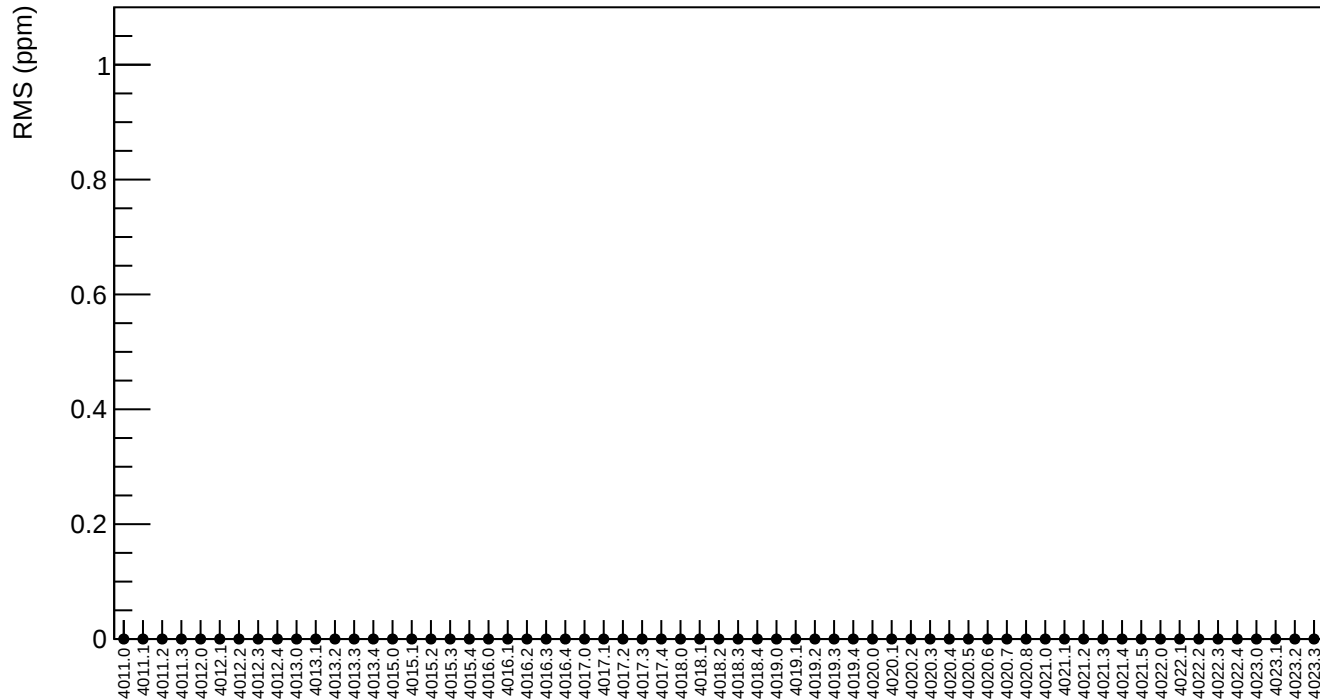
corr\_us\_avg\_bpm8Y (ppb)



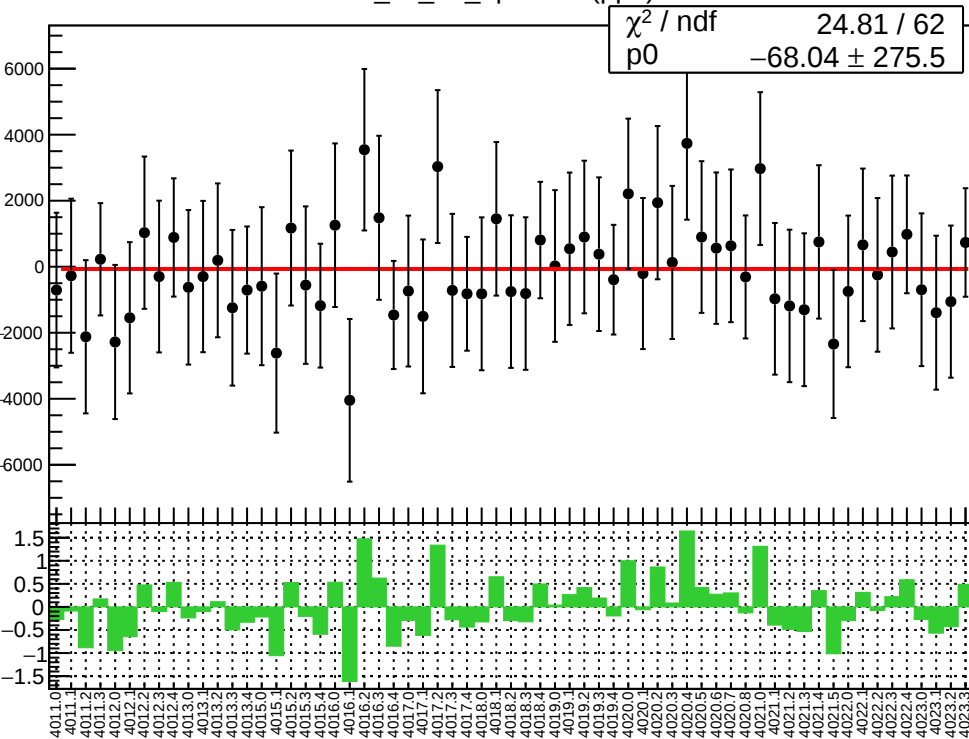
1D pull distribution



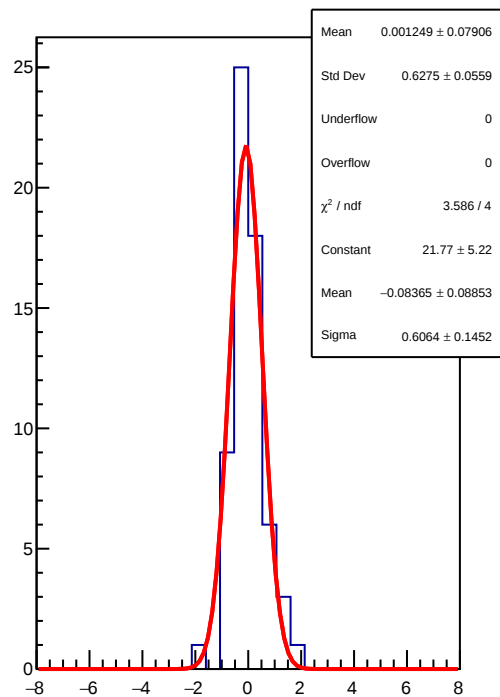
corr\_us\_avg\_bpm8Y RMS (ppm)



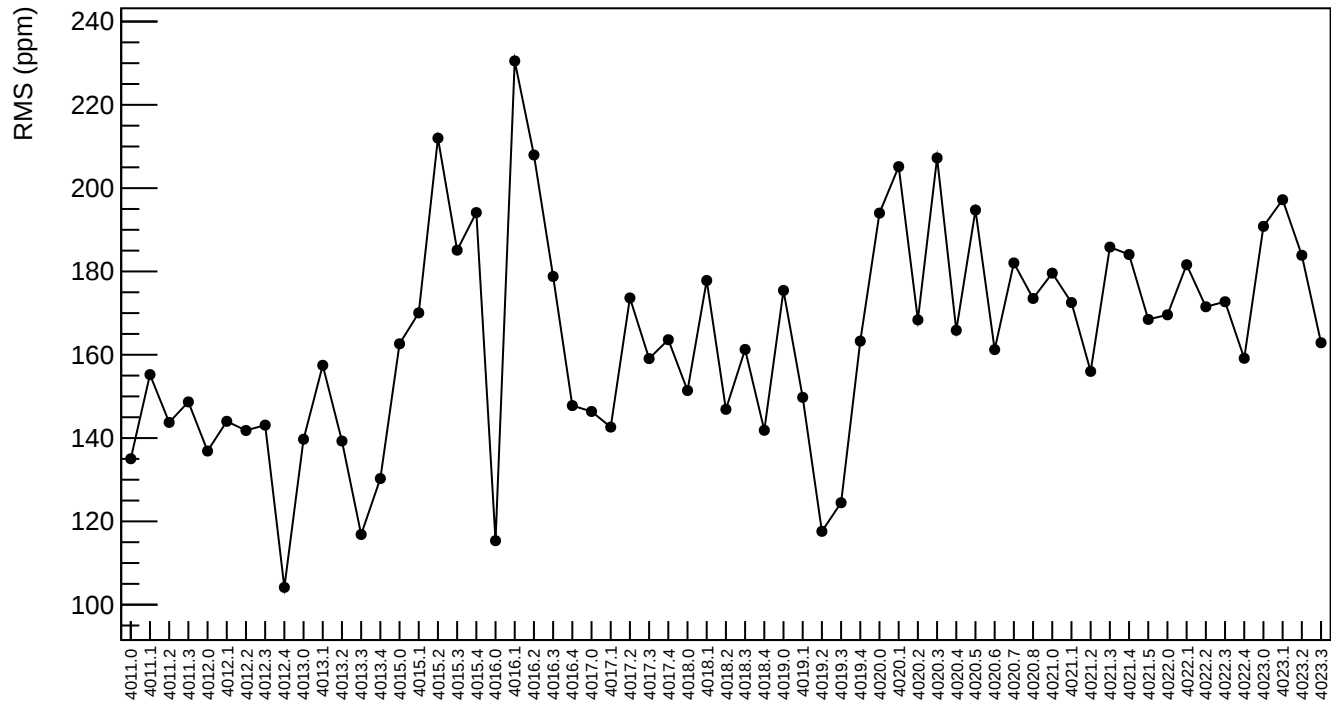
corr\_us\_dd\_bpm4eX (ppb)



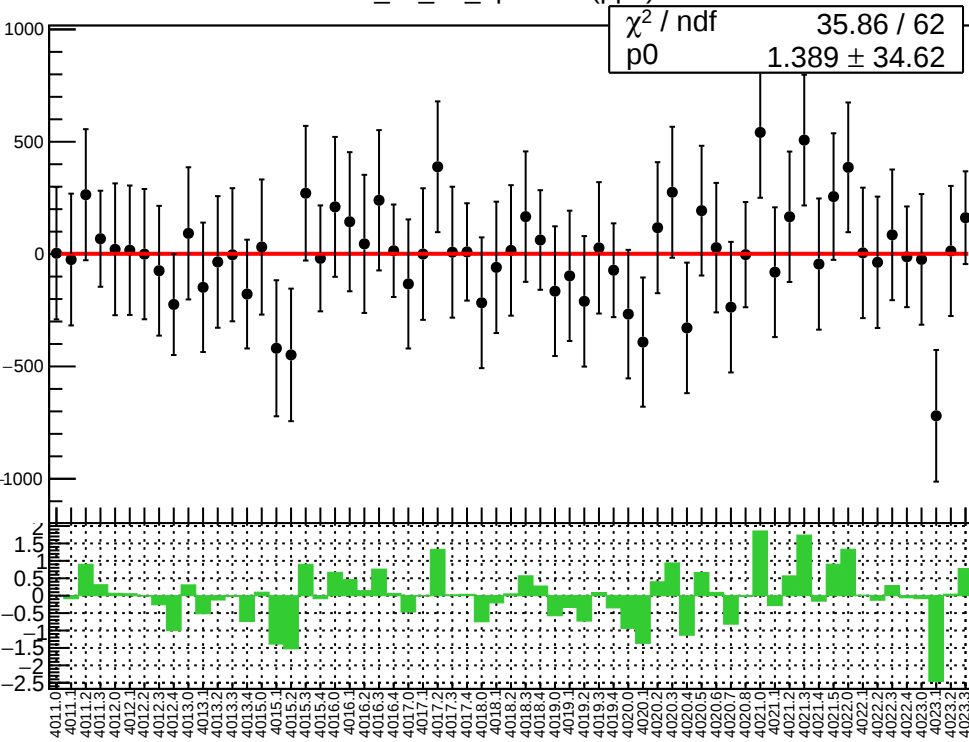
1D pull distribution



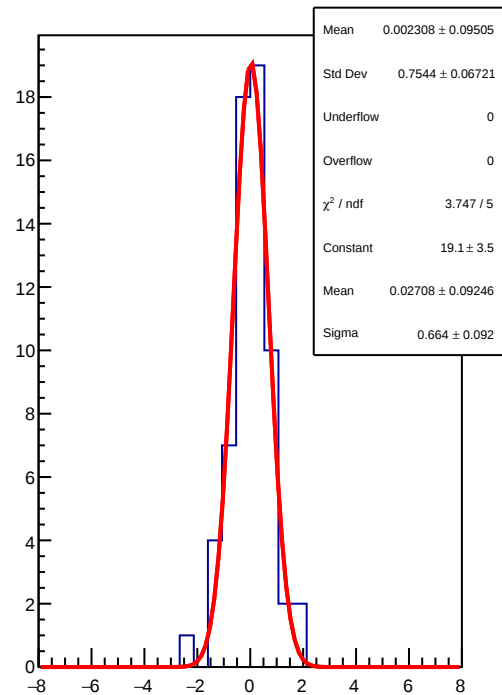
corr\_us\_dd\_bpm4eX RMS (ppm)



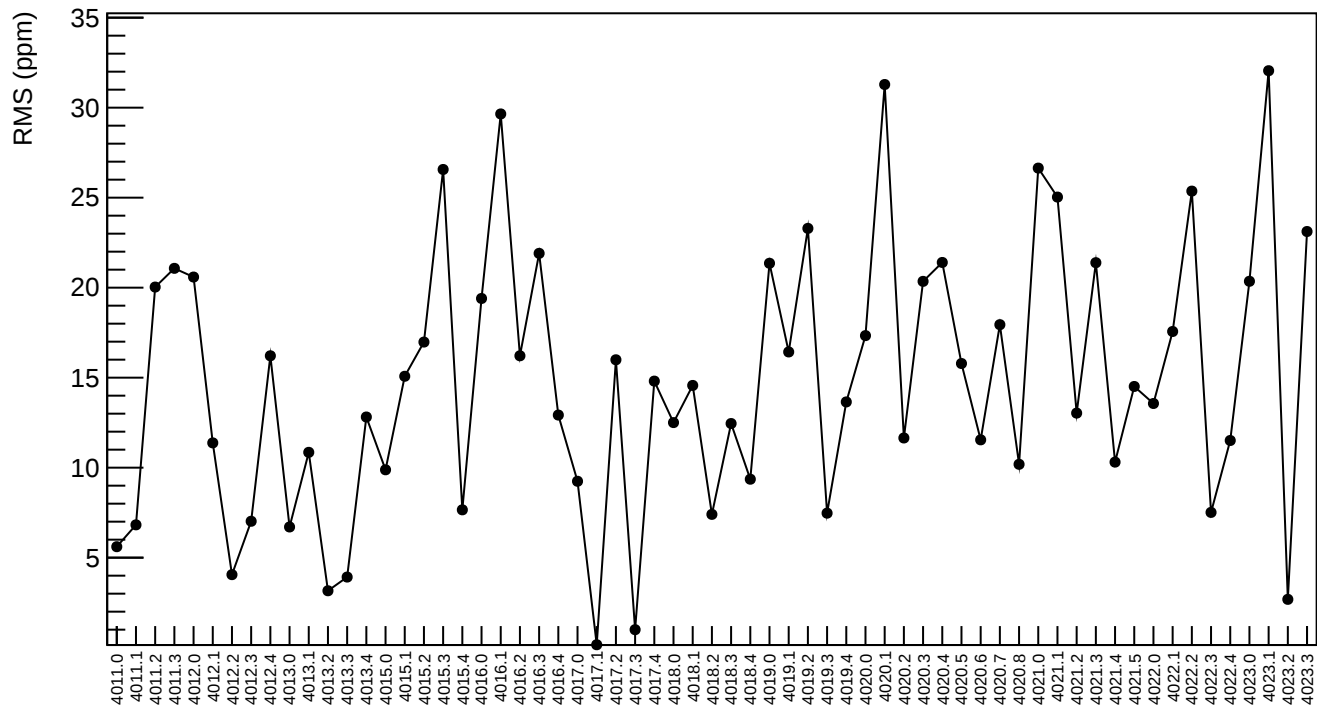
corr\_us\_dd\_bpm4eY (ppb)



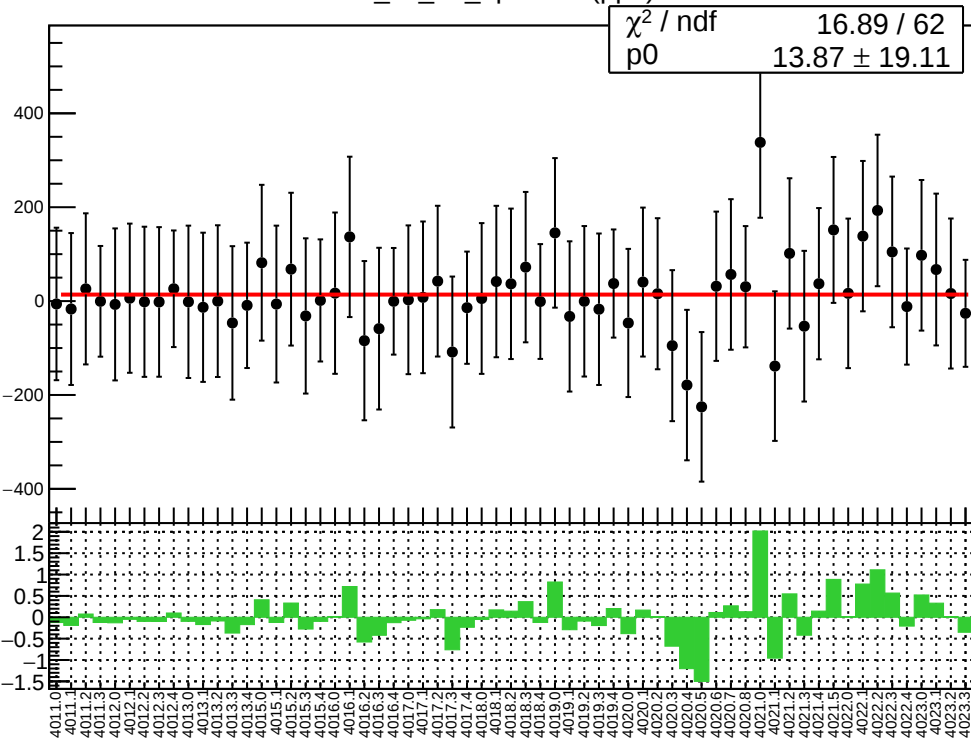
1D pull distribution



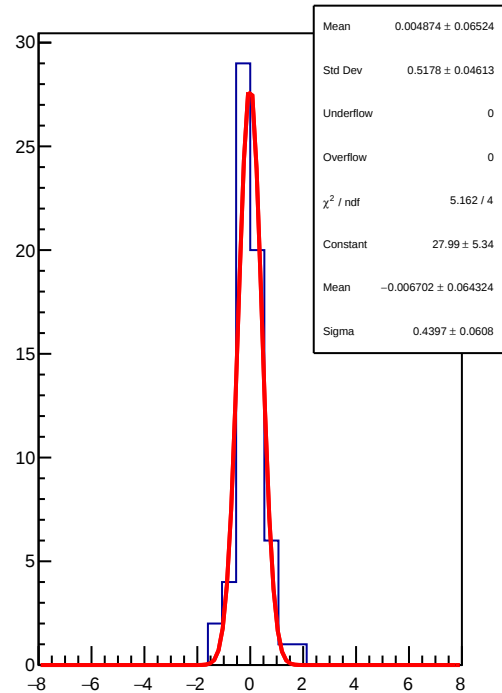
corr\_us\_dd\_bpm4eY RMS (ppm)



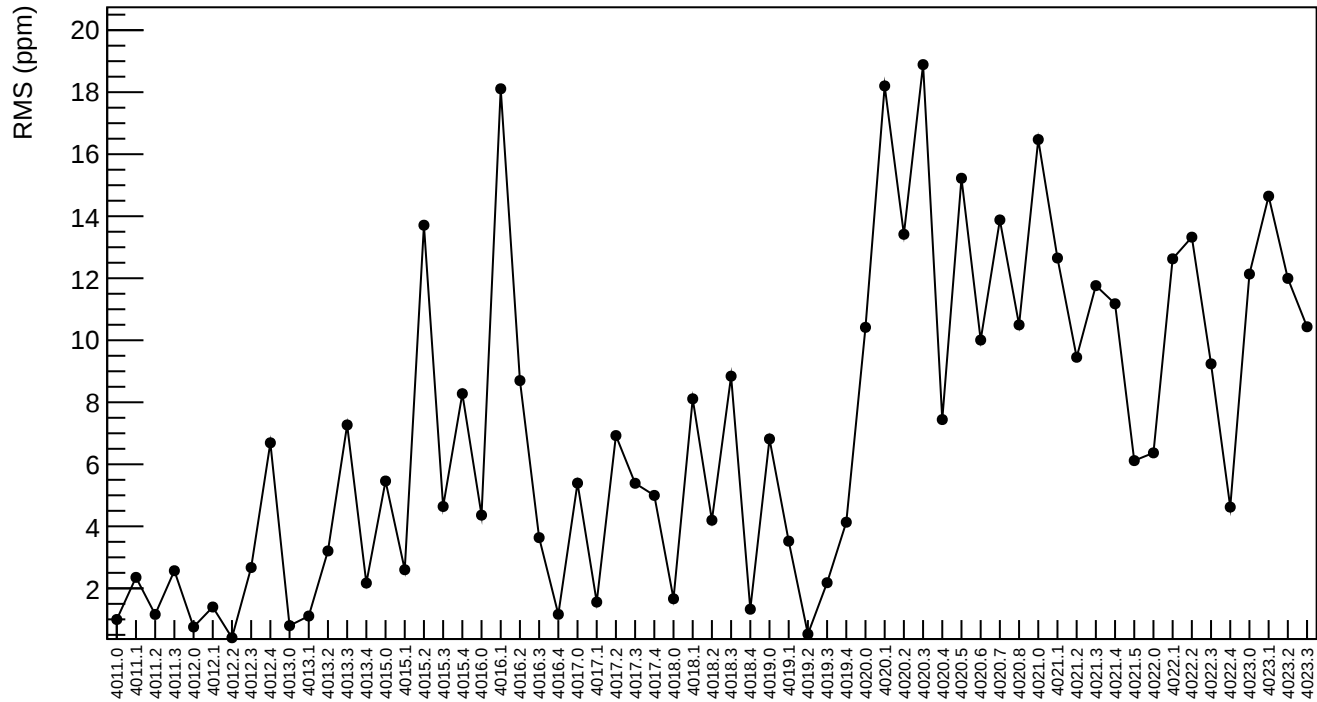
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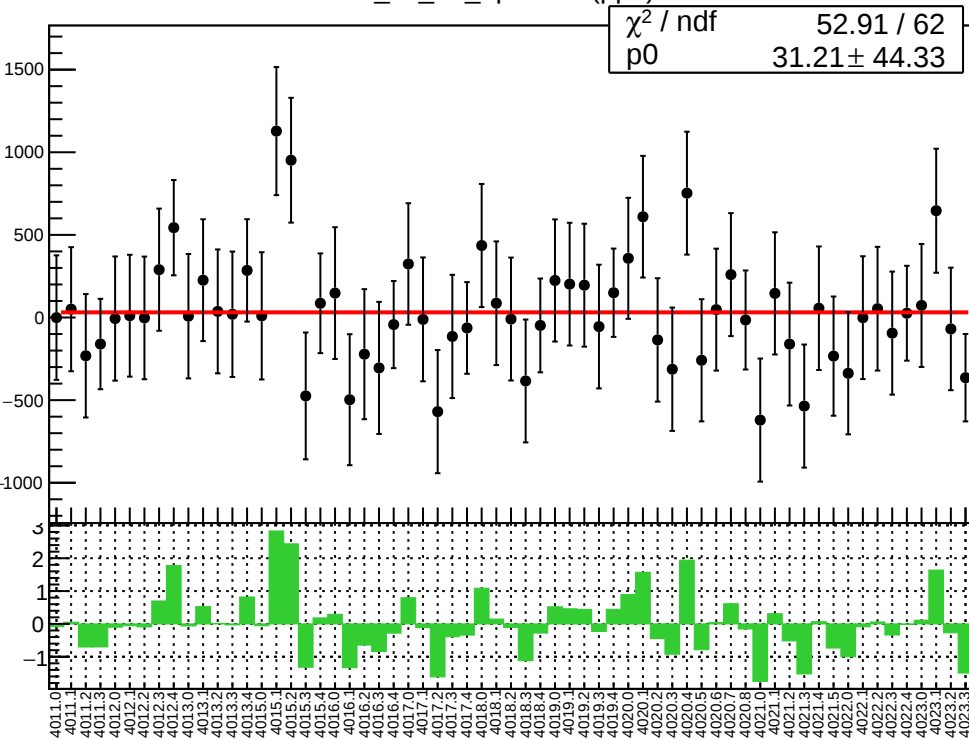
1D pull distribution



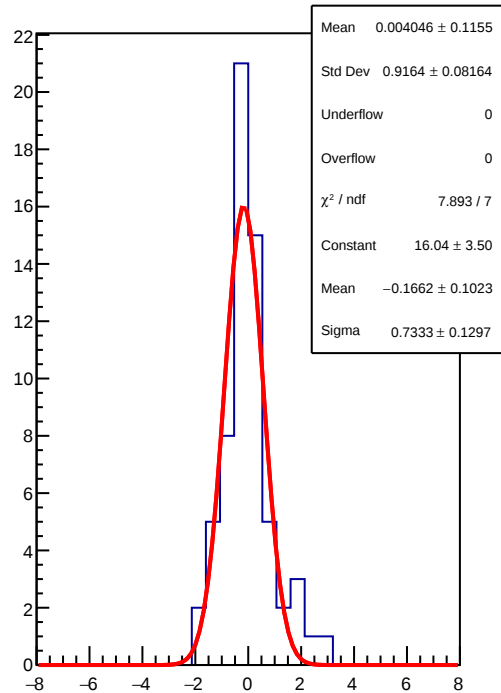
corr\_us\_dd\_bpm4aX RMS (ppm)



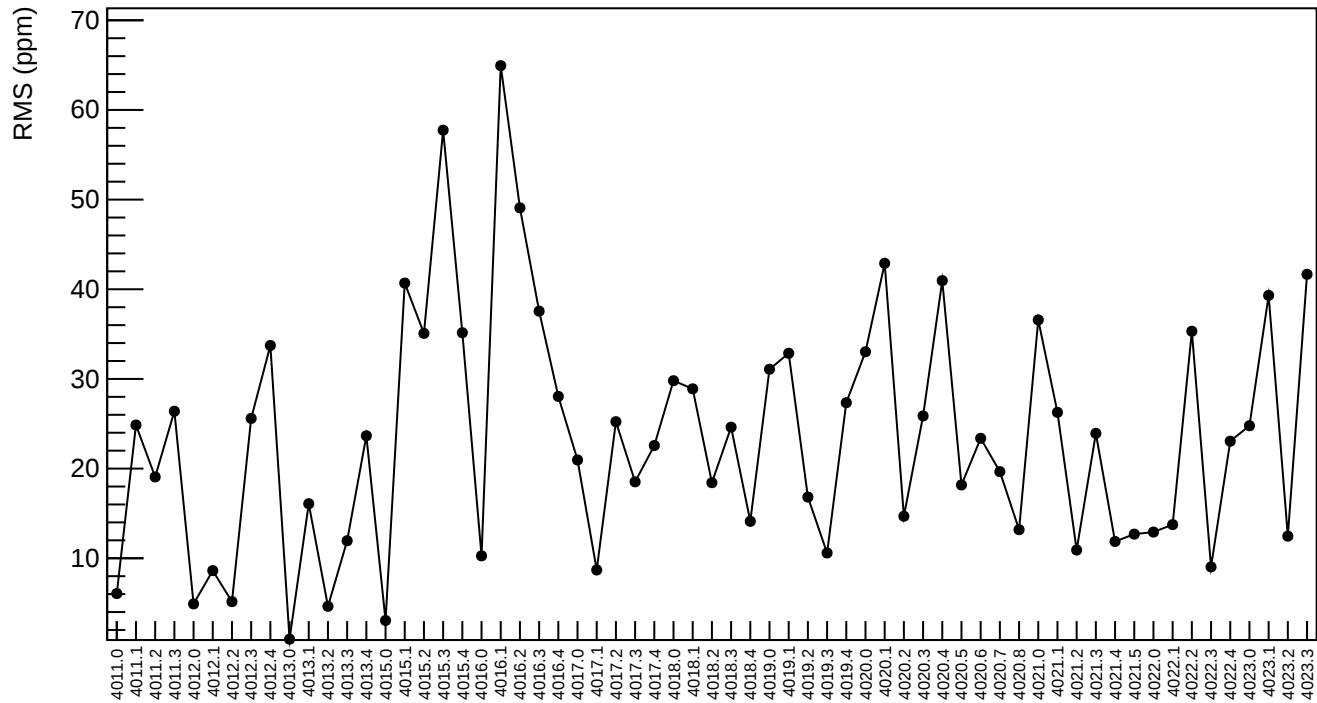
corr\_us\_dd\_bpm4aY (ppb)



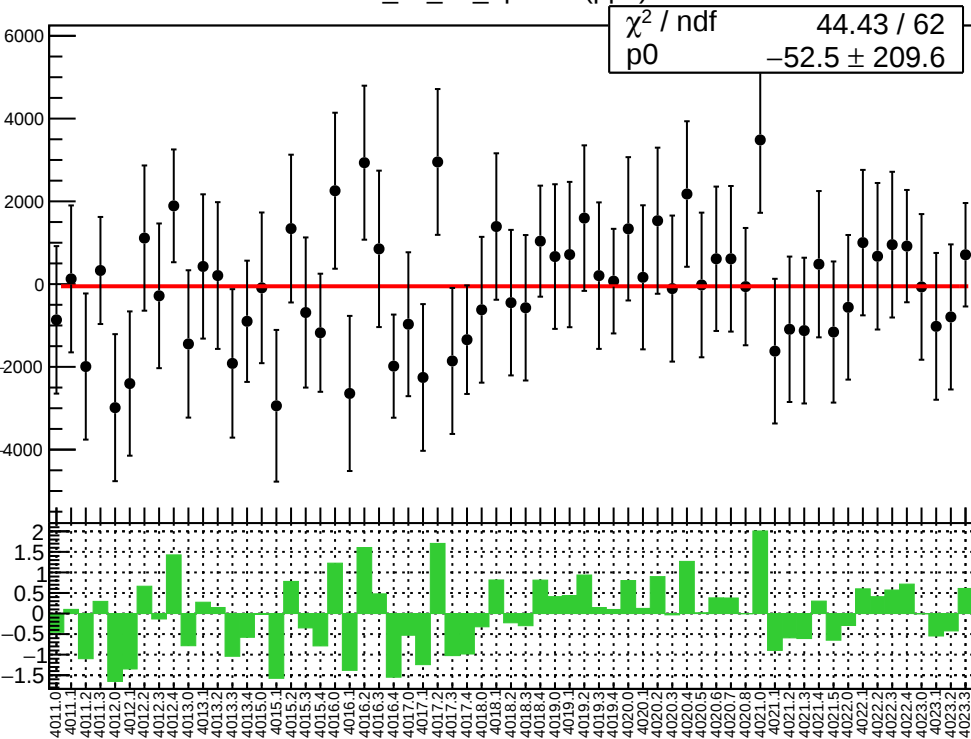
1D pull distribution



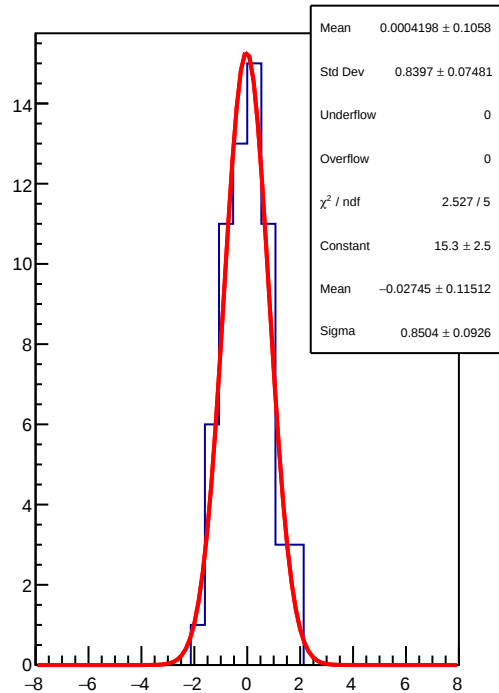
corr\_us\_dd\_bpm4aY RMS (ppm)



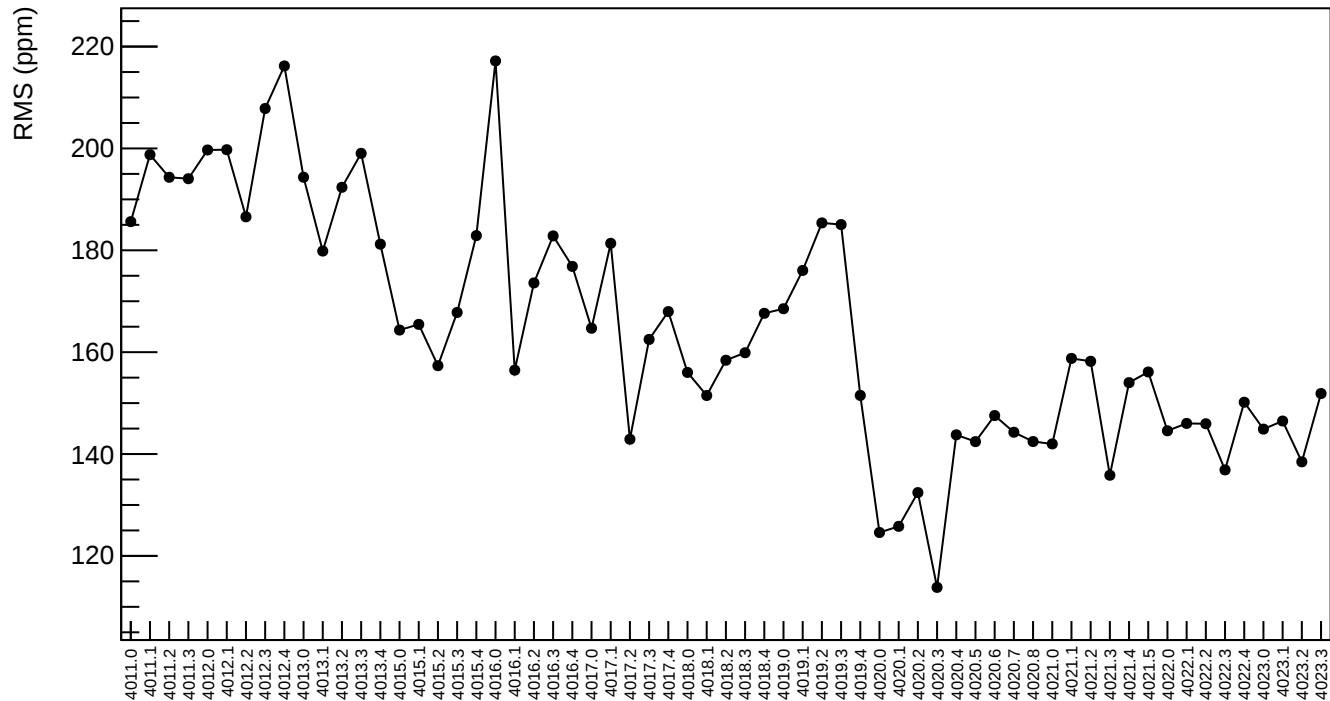
corr\_us\_dd\_bpm1X (ppb)



1D pull distribution



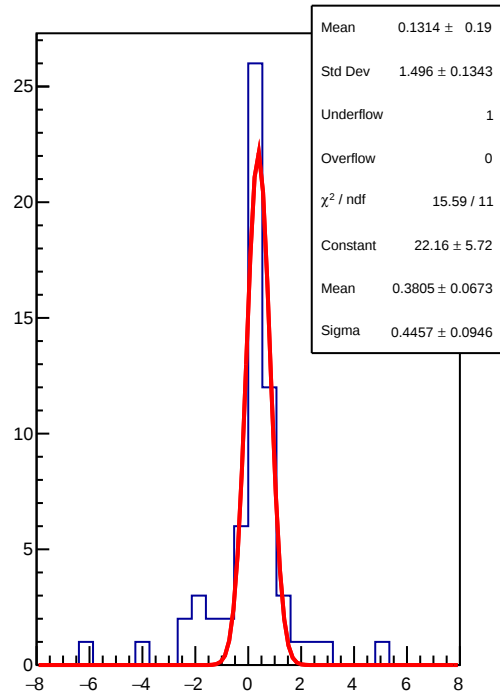
corr\_us\_dd\_bpm1X RMS (ppm)



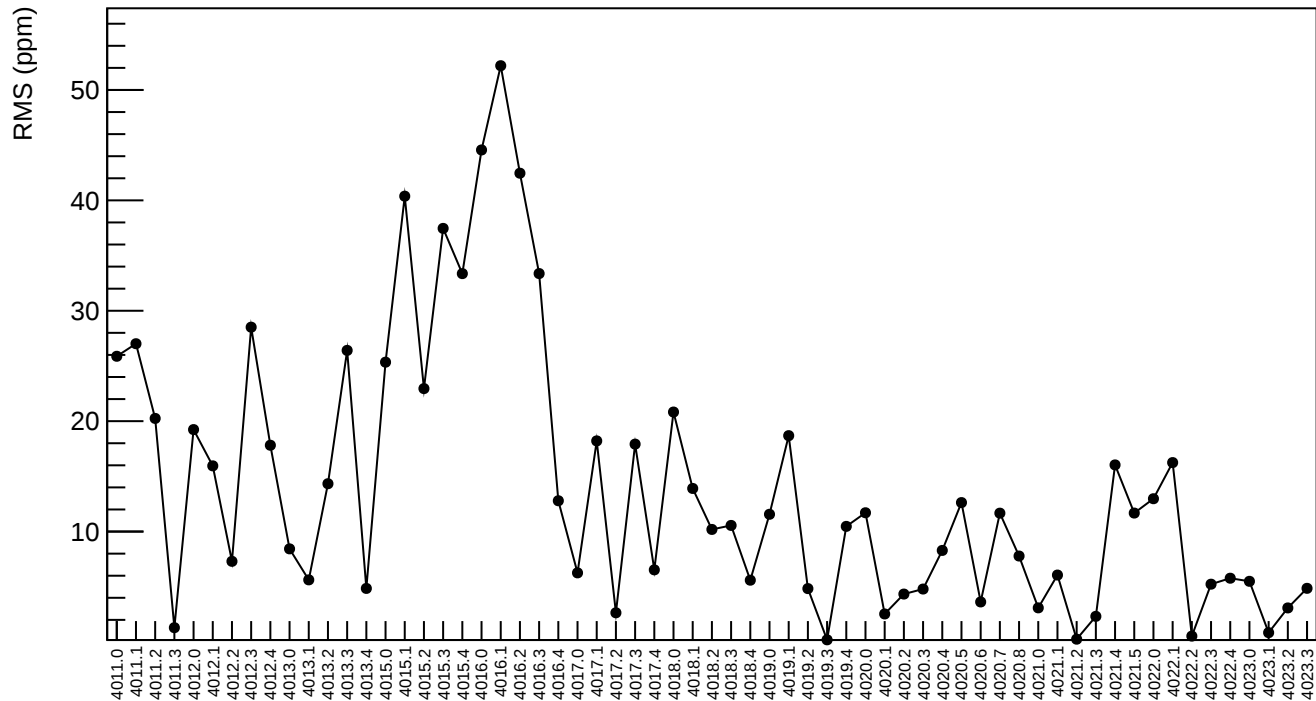
corr\_us\_dd\_bpm1Y (ppb)



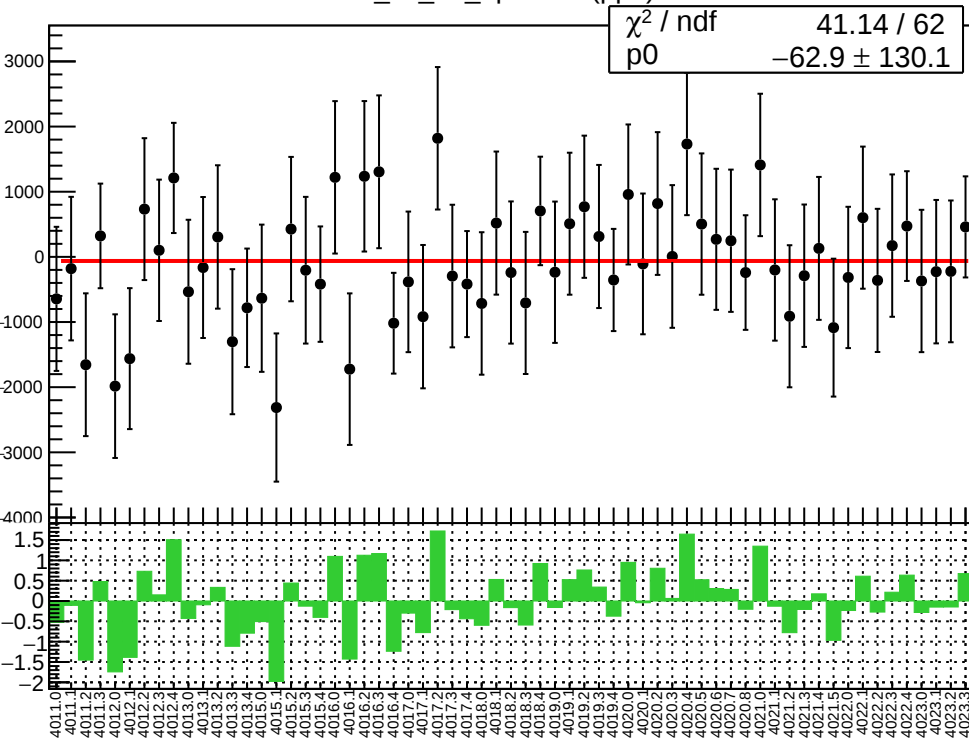
1D pull distribution



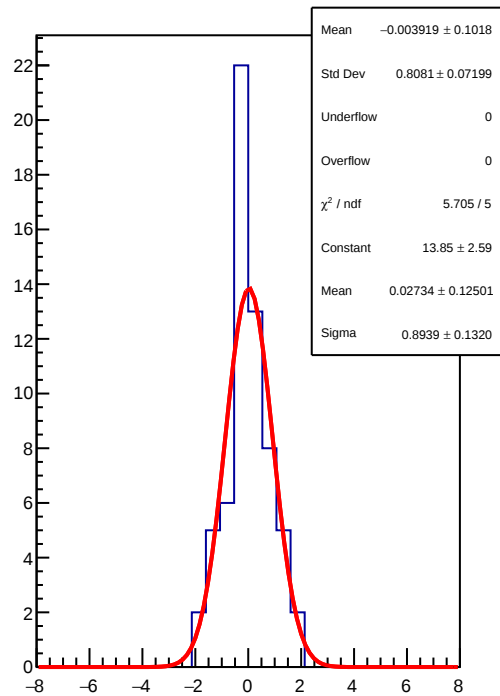
corr\_us\_dd\_bpm1Y RMS (ppm)



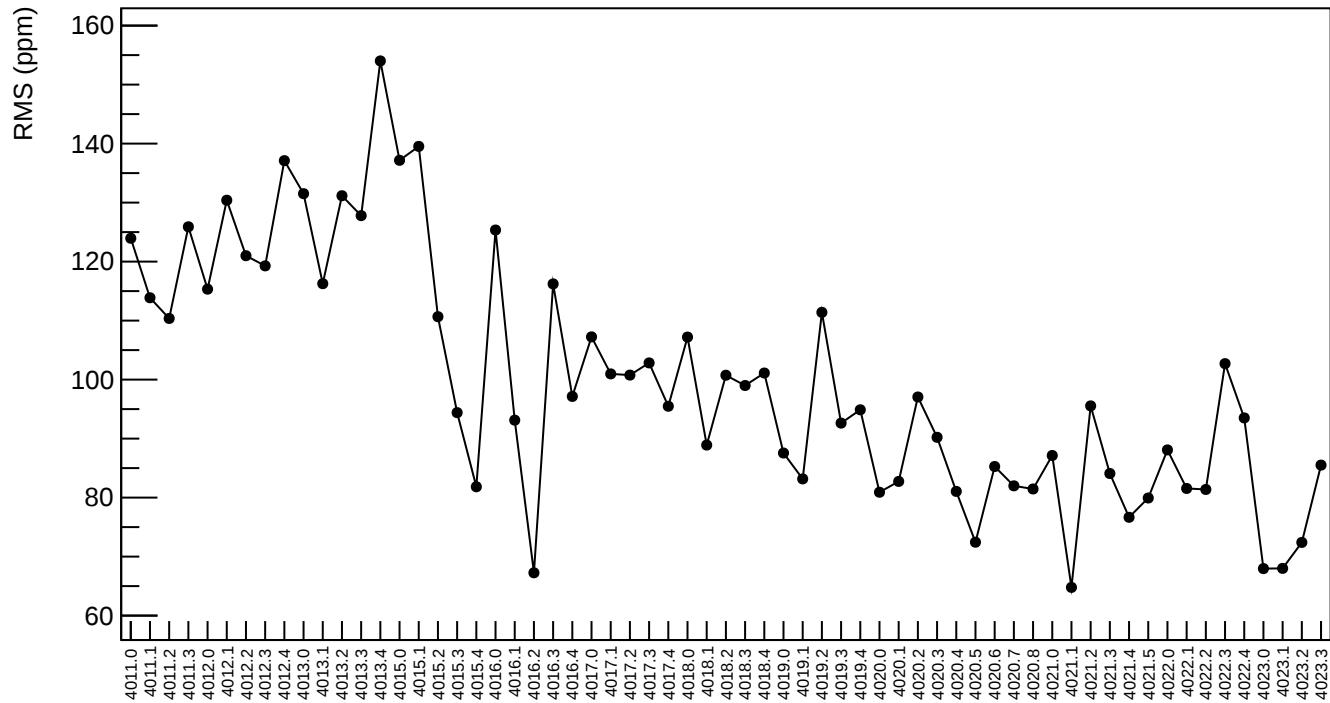
corr\_us\_dd\_bpm16X (ppb)



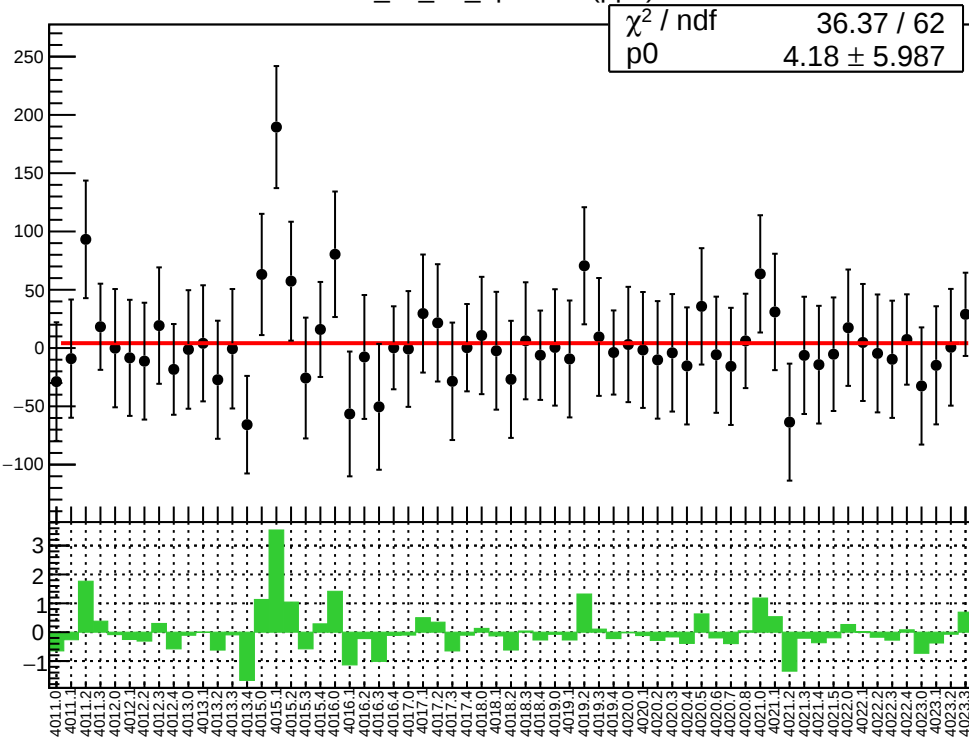
1D pull distribution



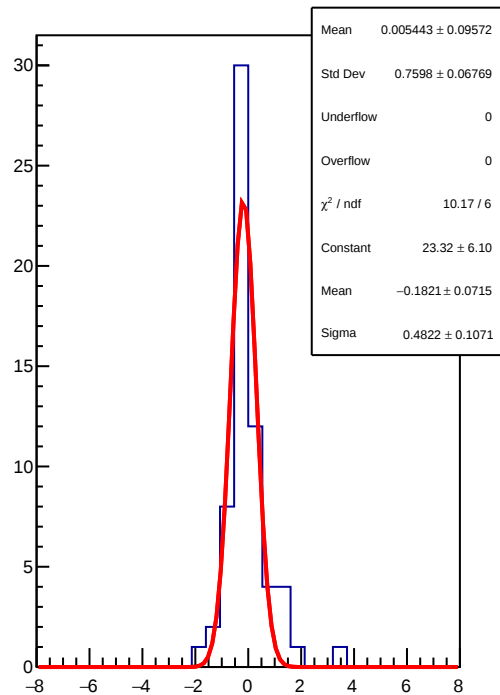
corr\_us\_dd\_bpm16X RMS (ppm)



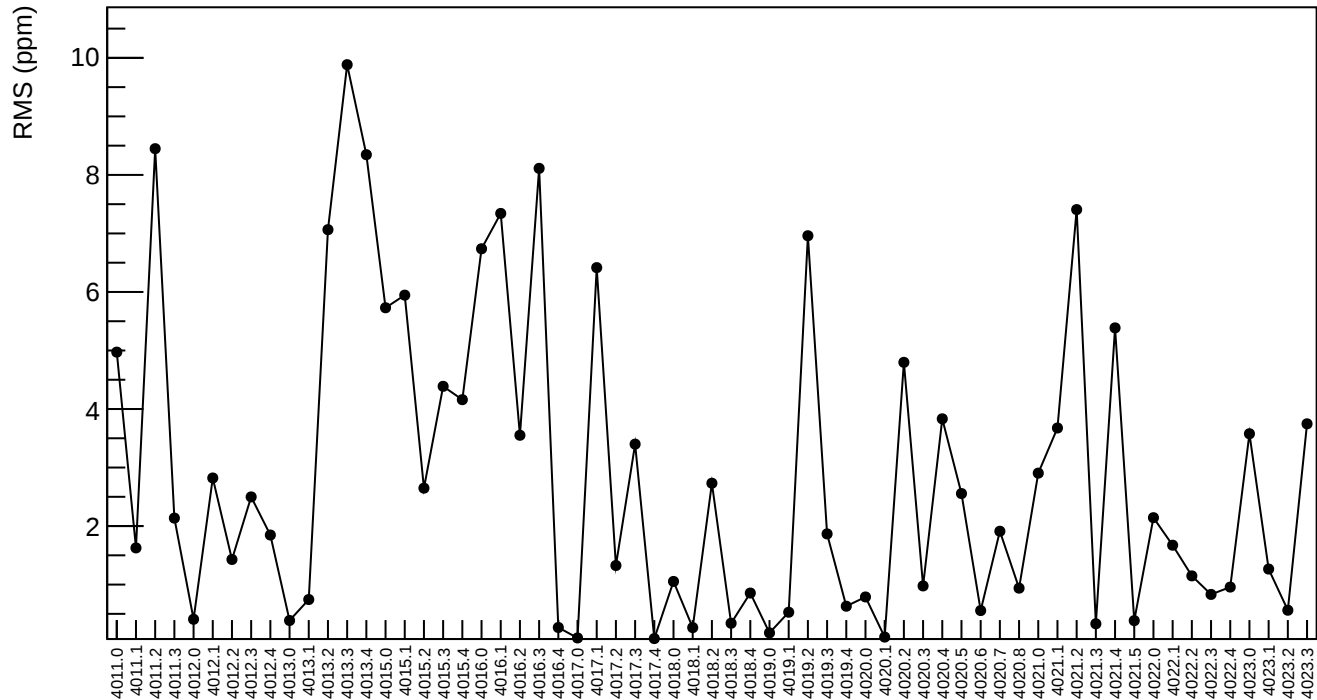
corr\_us\_dd\_bpm16Y (ppb)



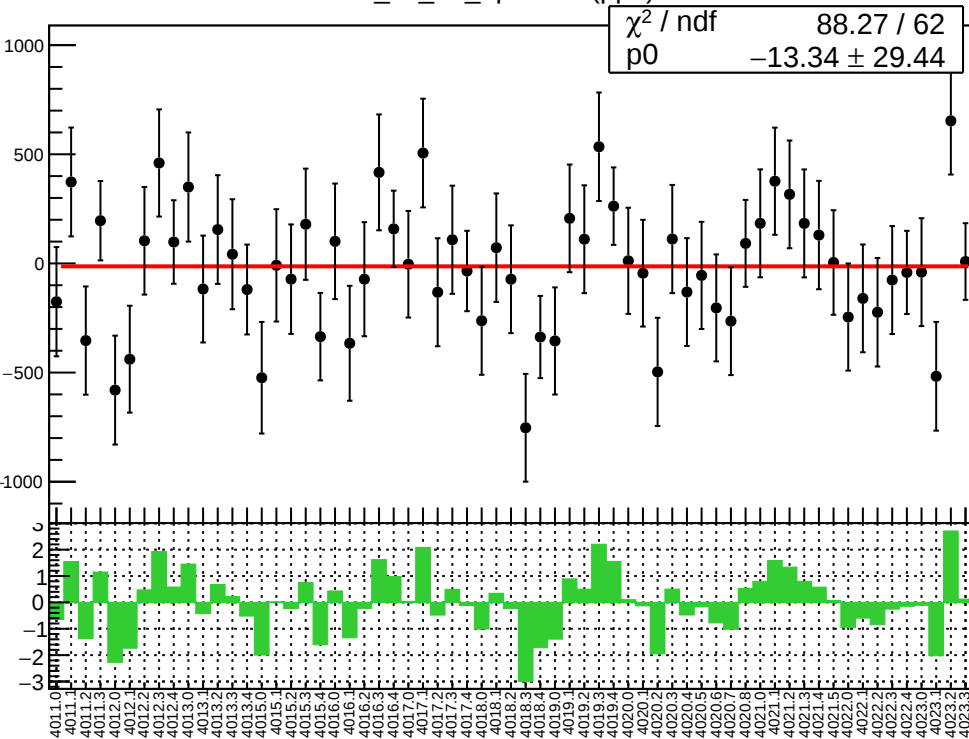
1D pull distribution



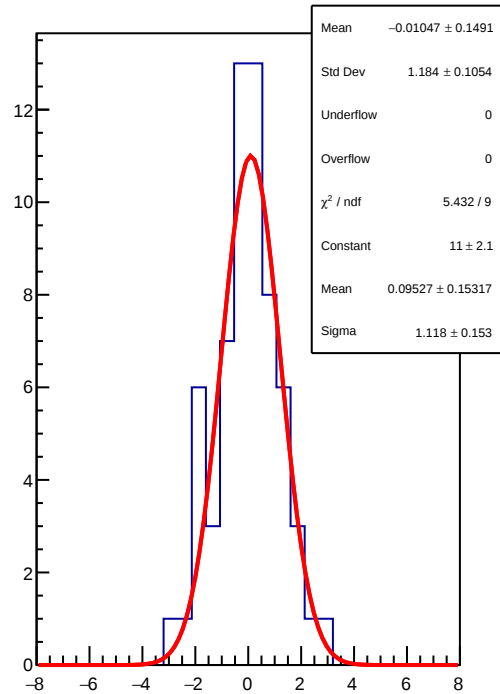
corr\_us\_dd\_bpm16Y RMS (ppm)



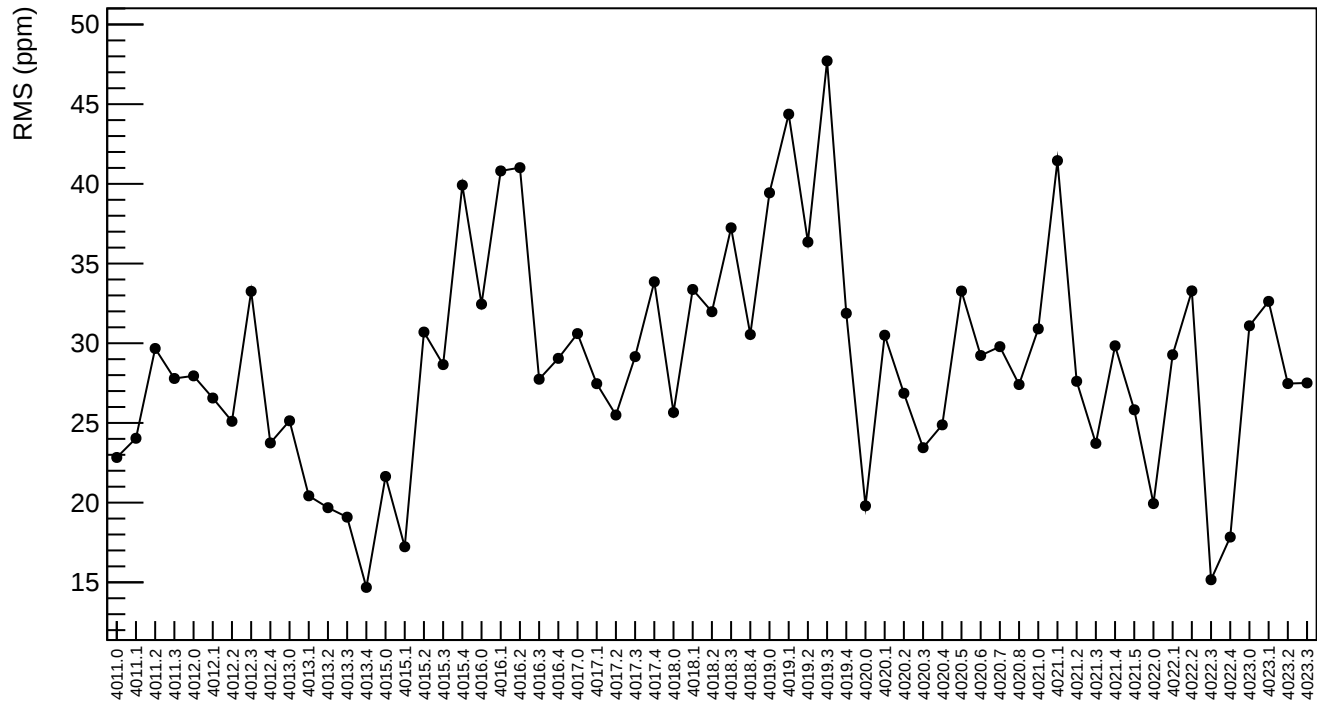
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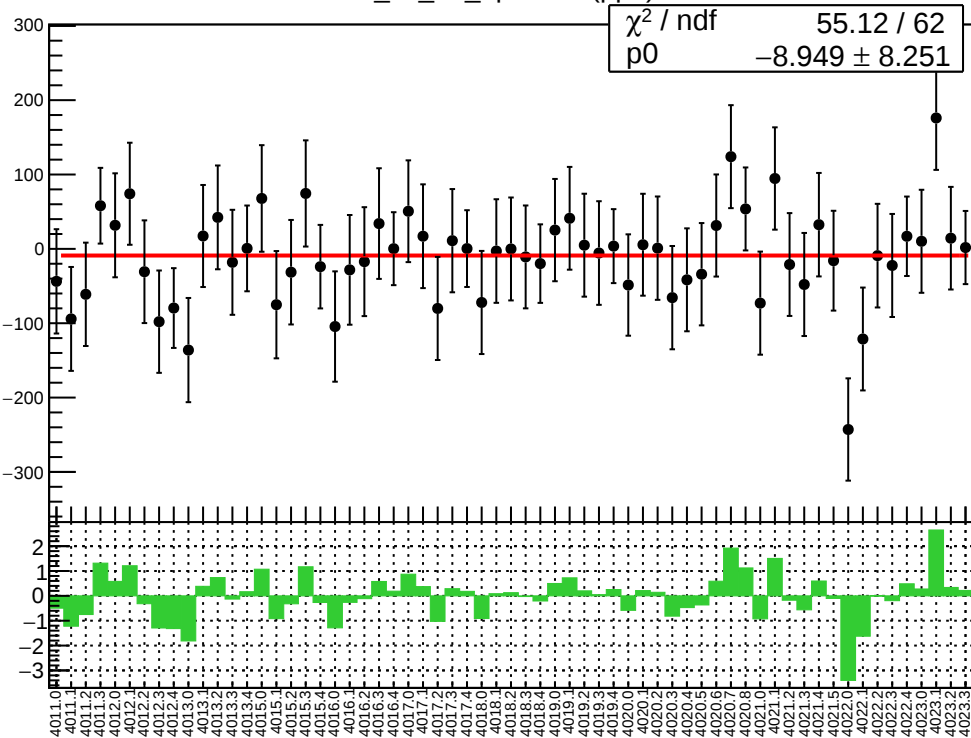
1D pull distribution



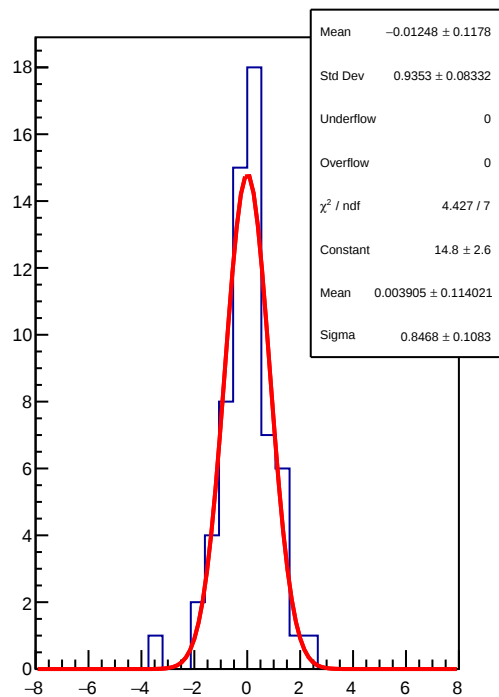
corr\_us\_dd\_bpm12X RMS (ppm)



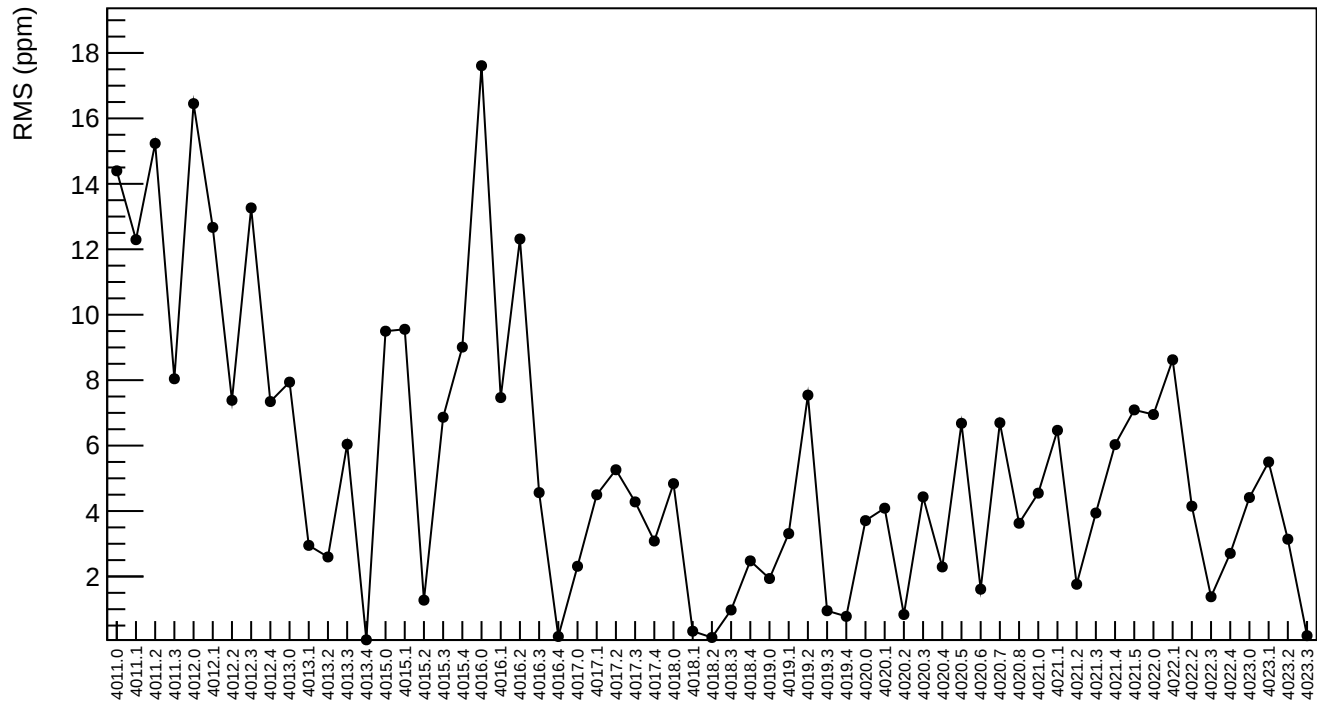
corr\_us\_dd\_bpm12Y (ppb)



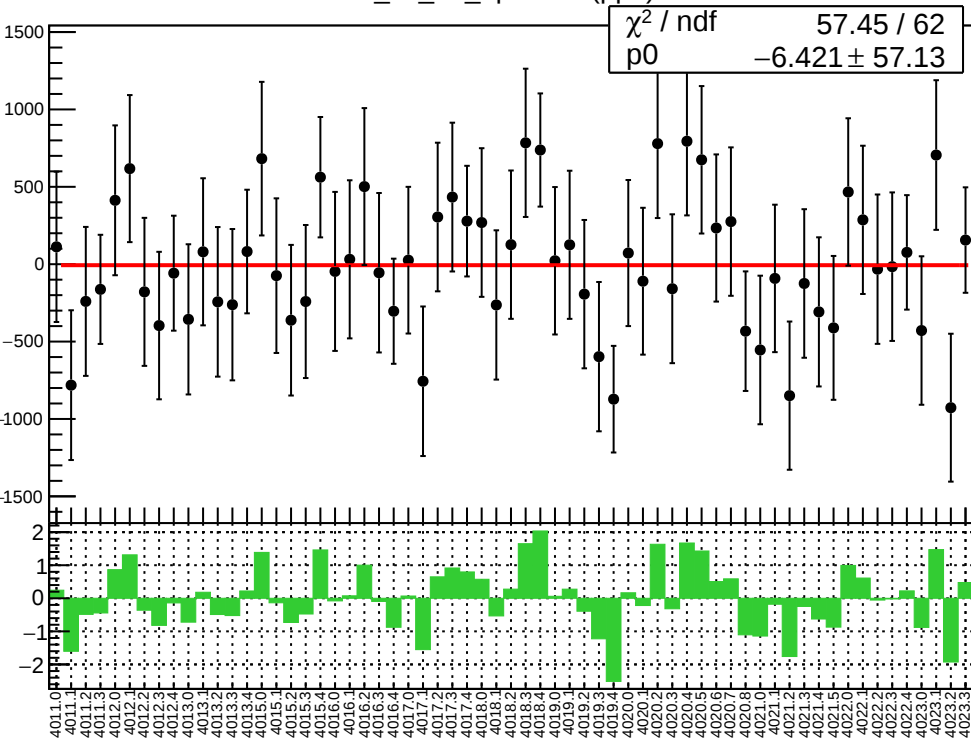
1D pull distribution



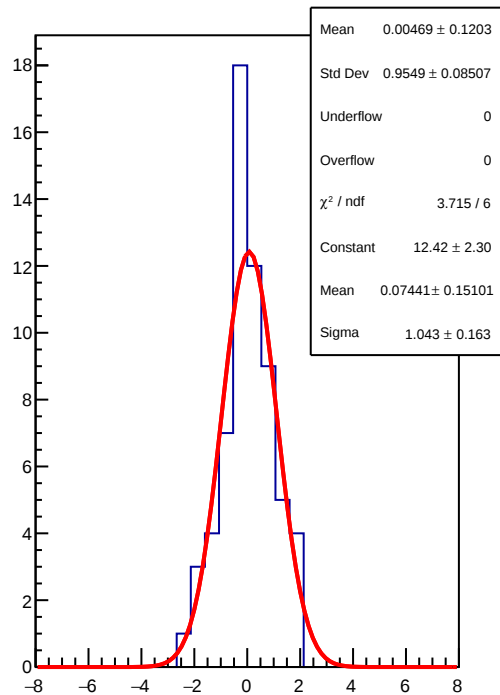
corr\_us\_dd\_bpm12Y RMS (ppm)



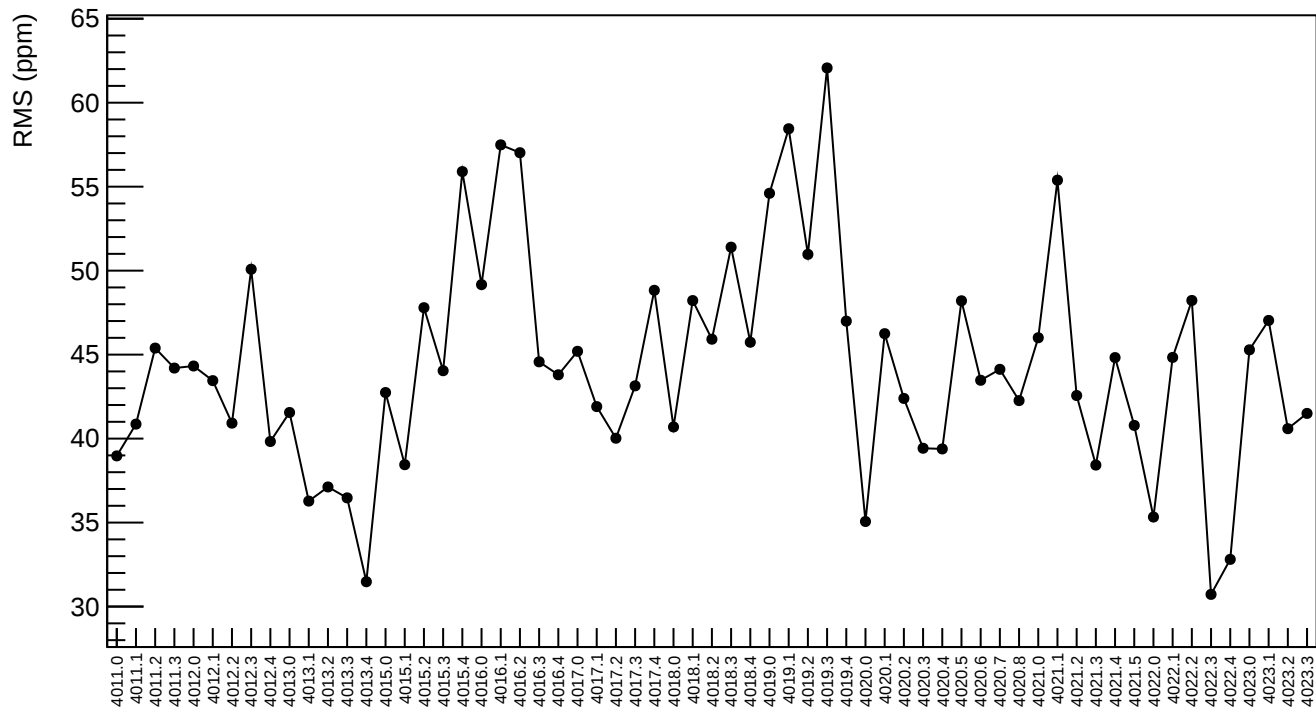
corr\_us\_dd\_bpm11X (ppb)



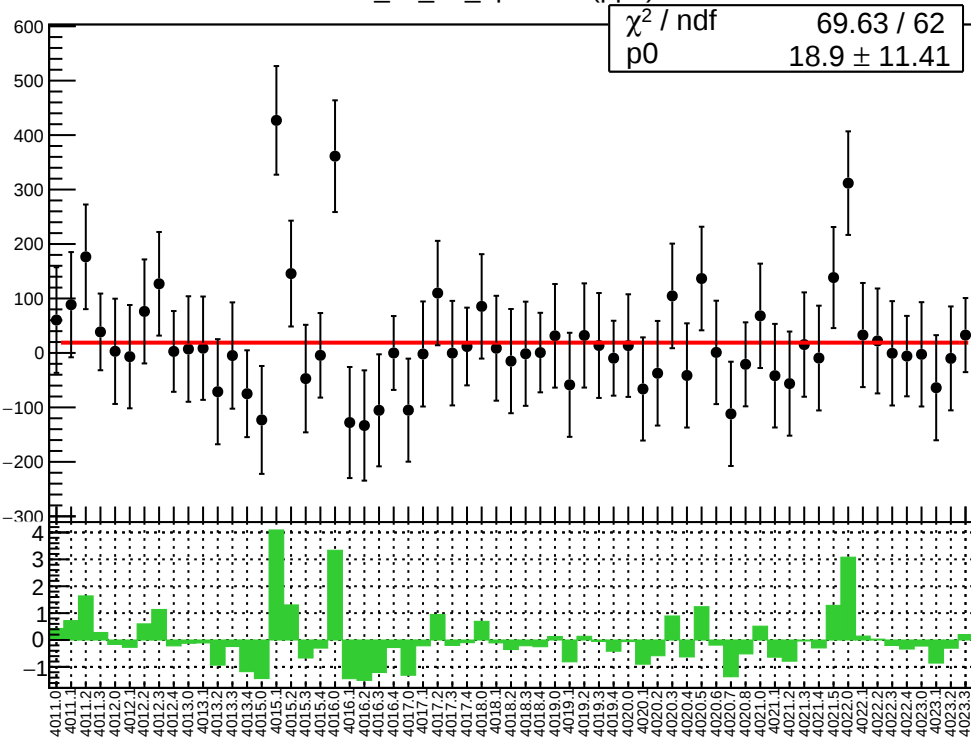
1D pull distribution



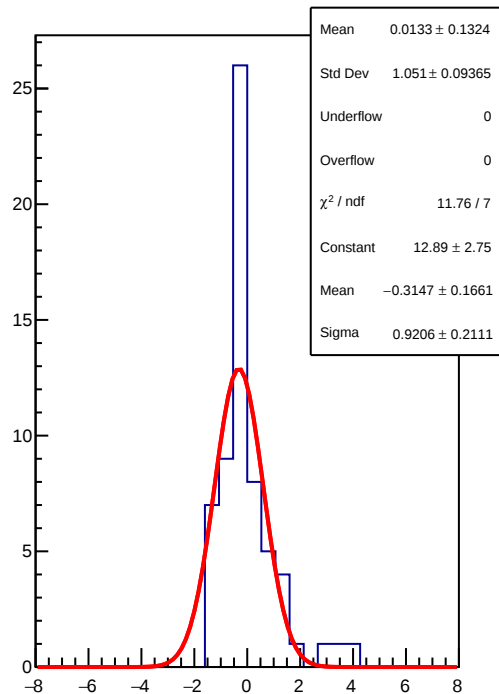
corr\_us\_dd\_bpm11X RMS (ppm)



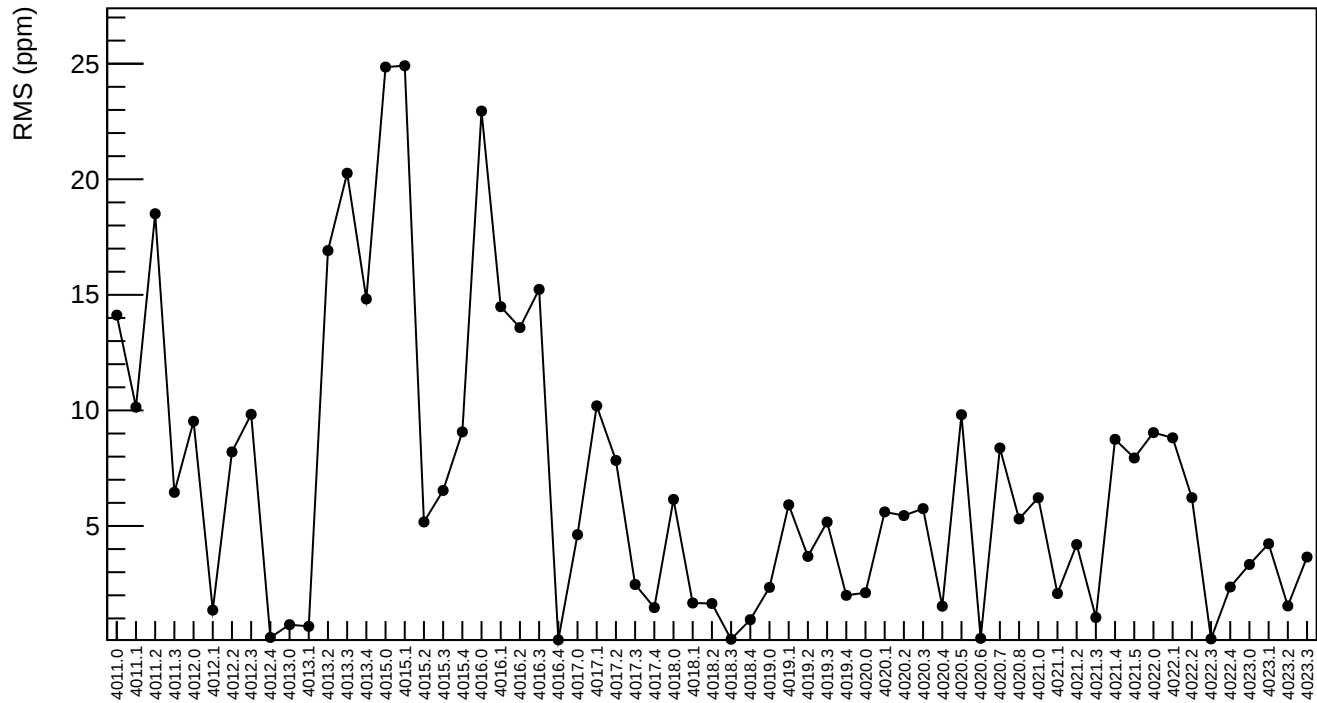
corr\_us\_dd\_bpm11Y (ppb)



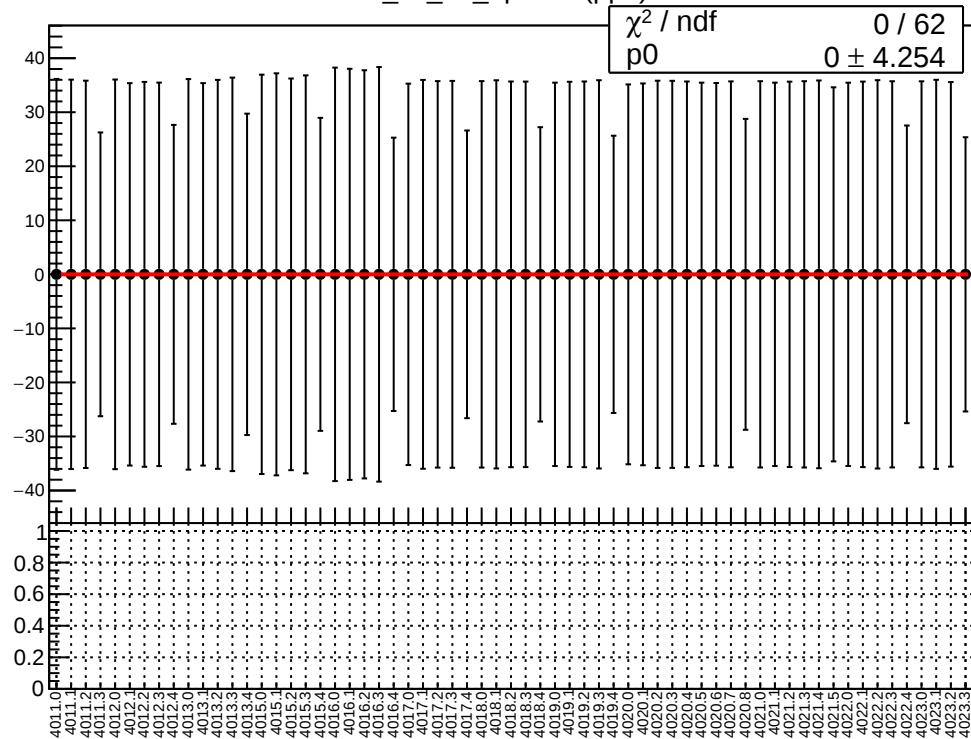
1D pull distribution



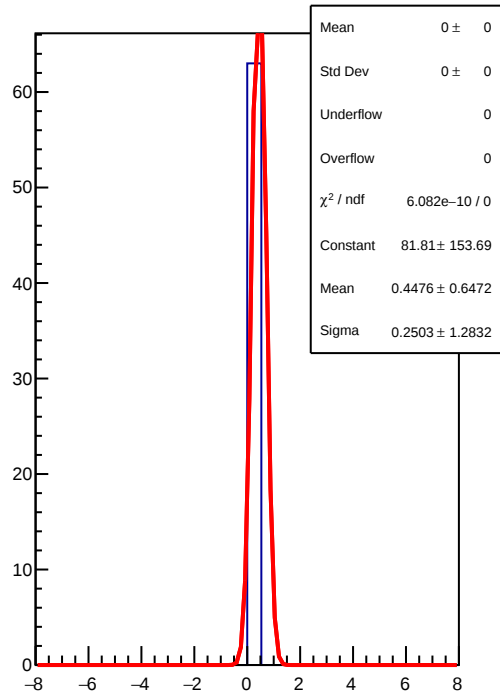
corr\_us\_dd\_bpm11Y RMS (ppm)



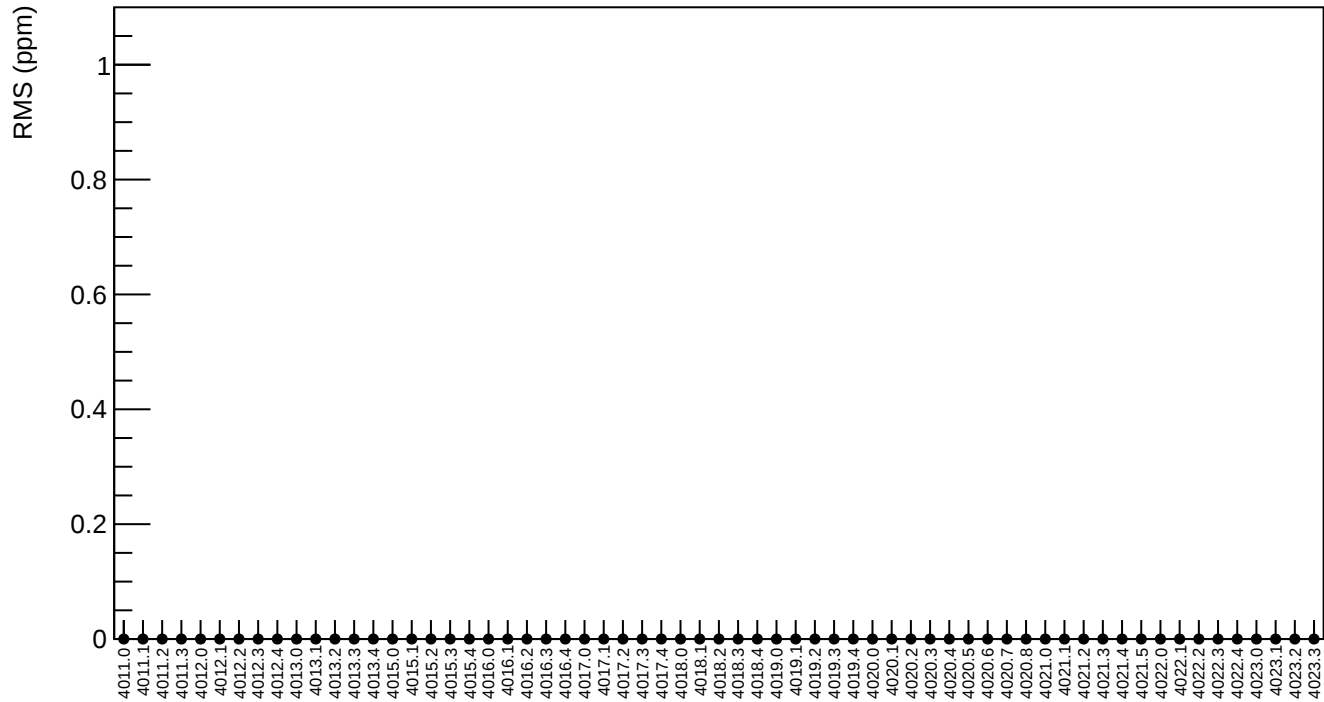
corr\_us\_dd\_bpm8X (ppb)



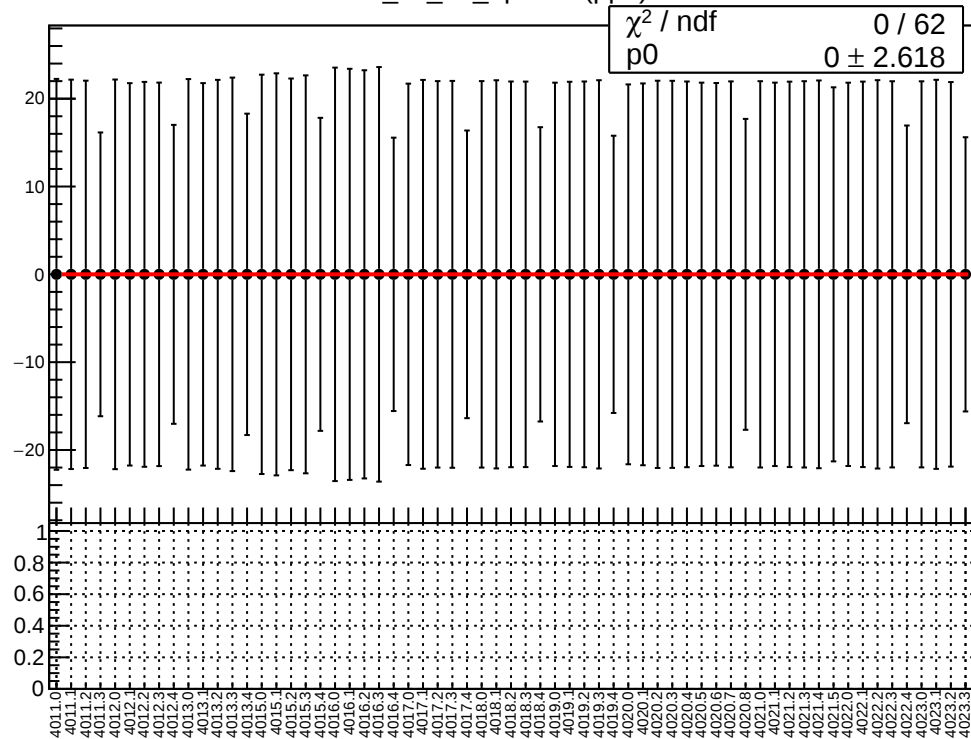
1D pull distribution



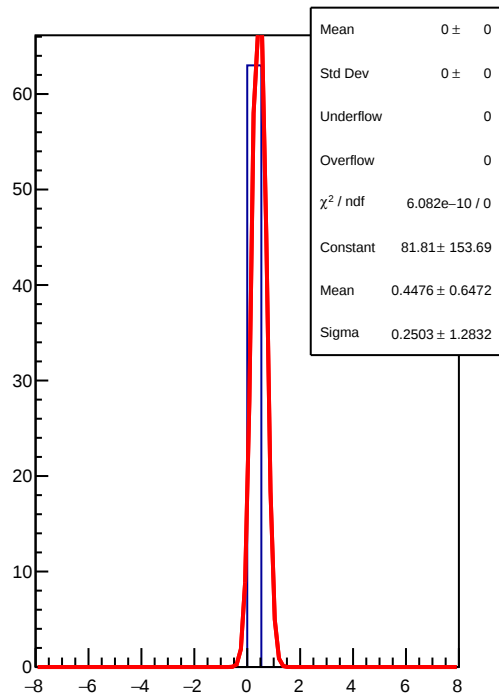
# corr\_us\_dd\_bpm8X RMS (ppm)



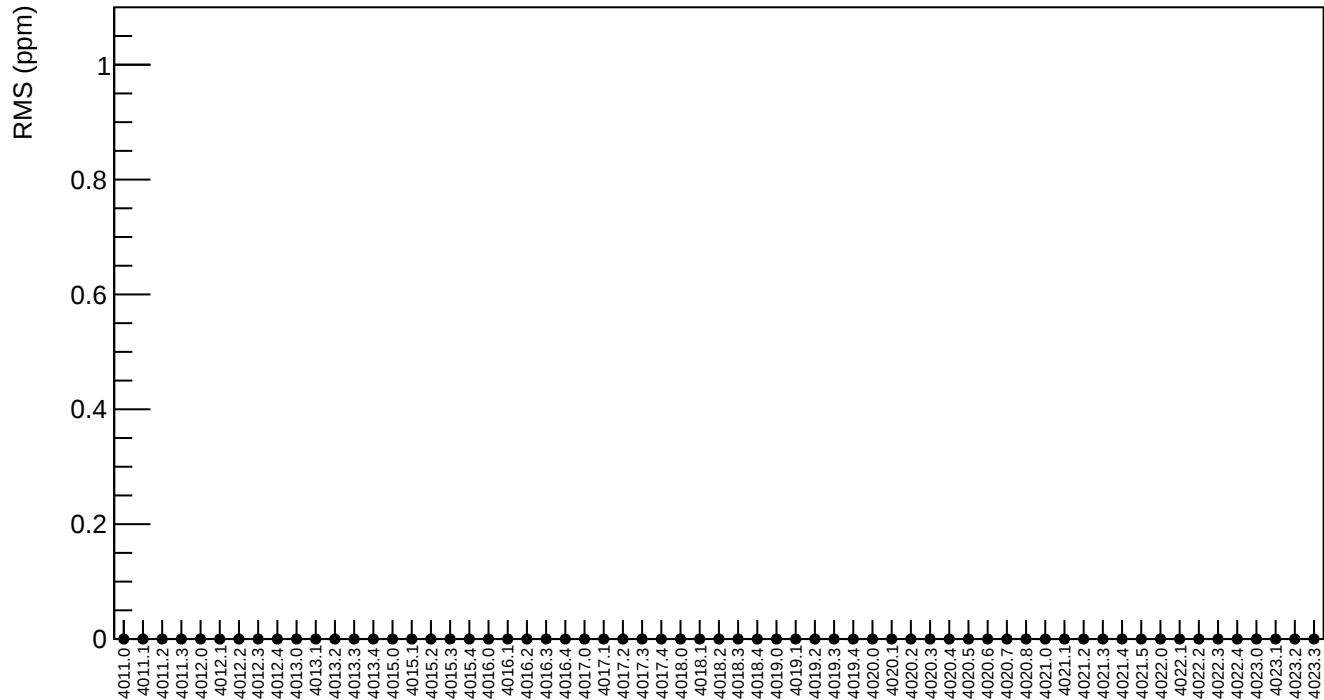
corr\_us\_dd\_bpm8Y (ppb)



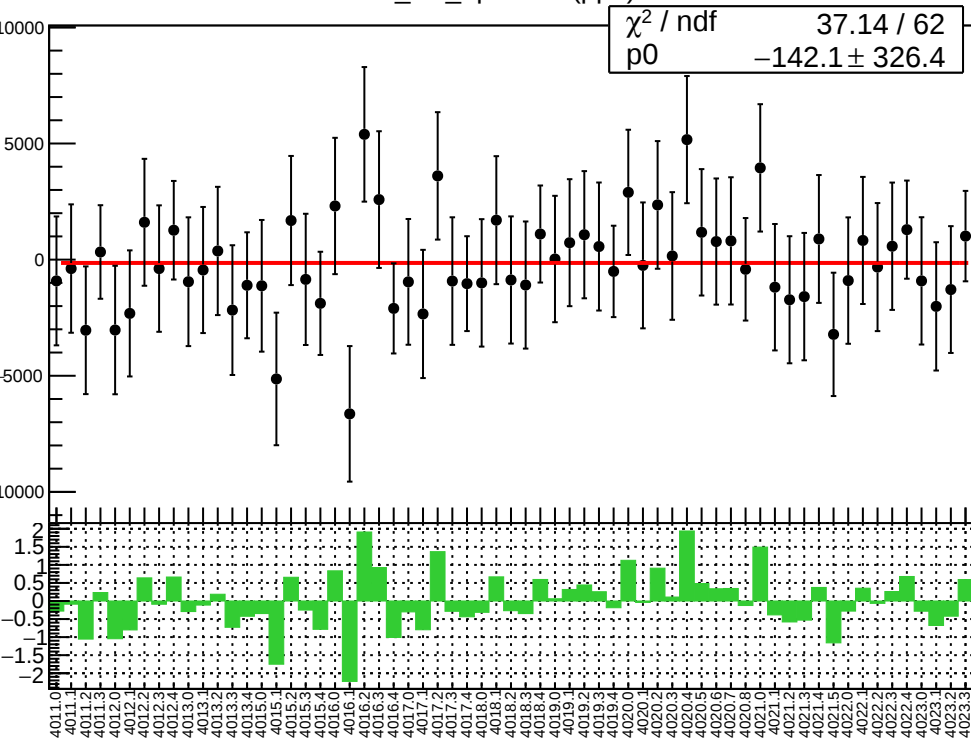
1D pull distribution



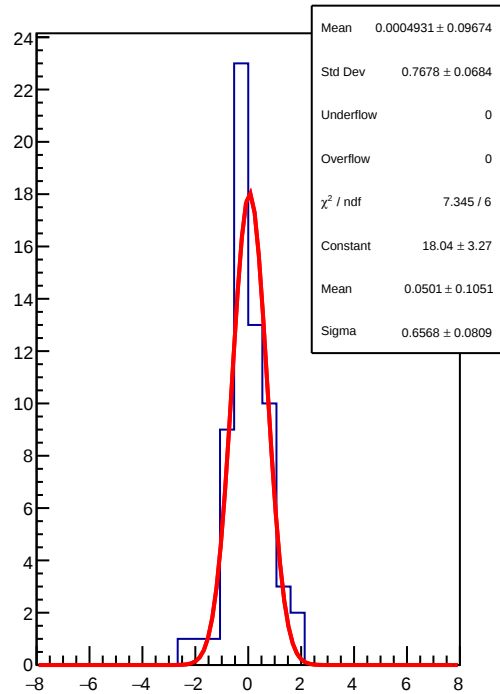
corr\_us\_dd\_bpm8Y RMS (ppm)



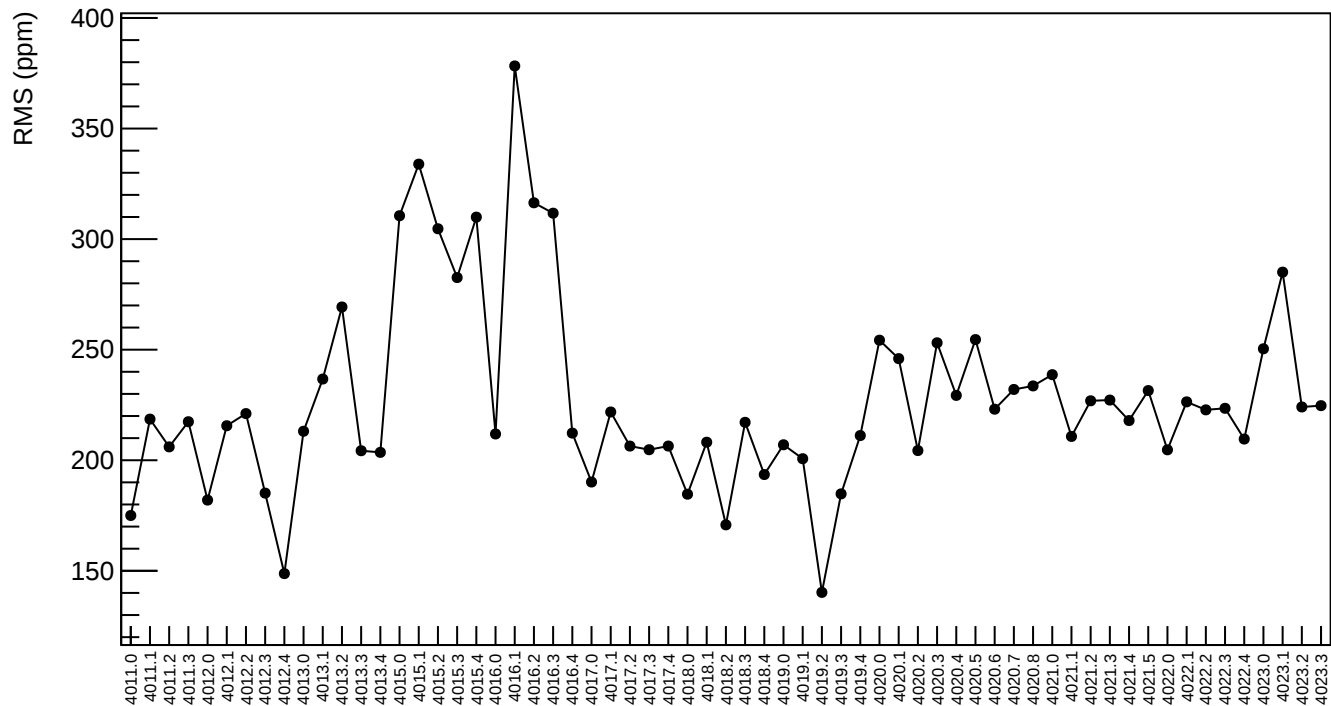
corr\_usl\_bpm4eX (ppb)



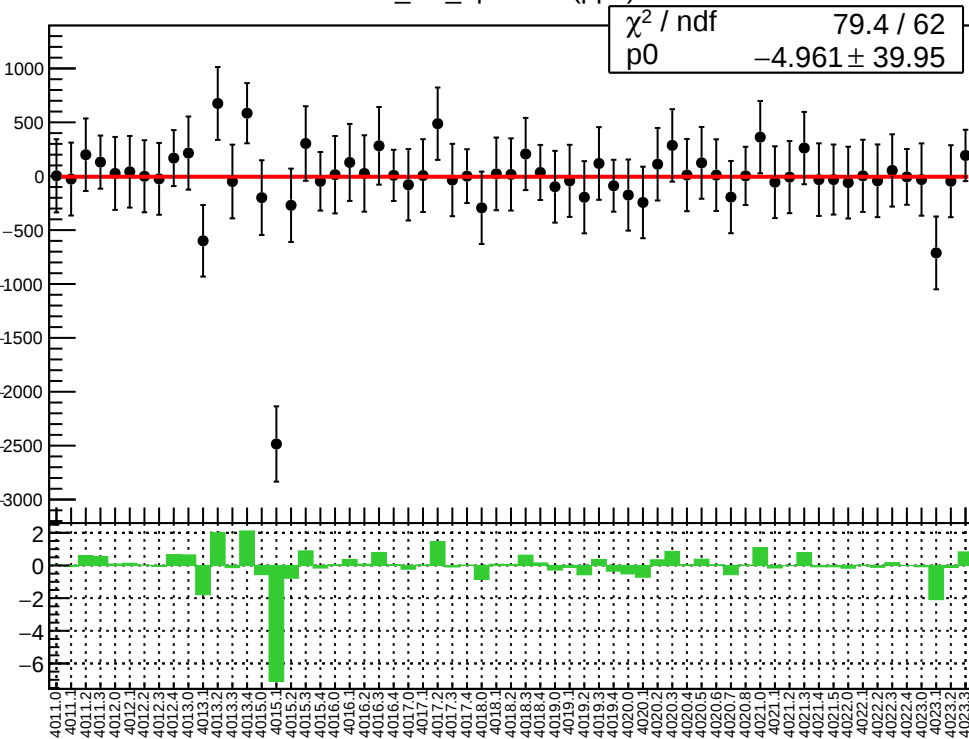
1D pull distribution



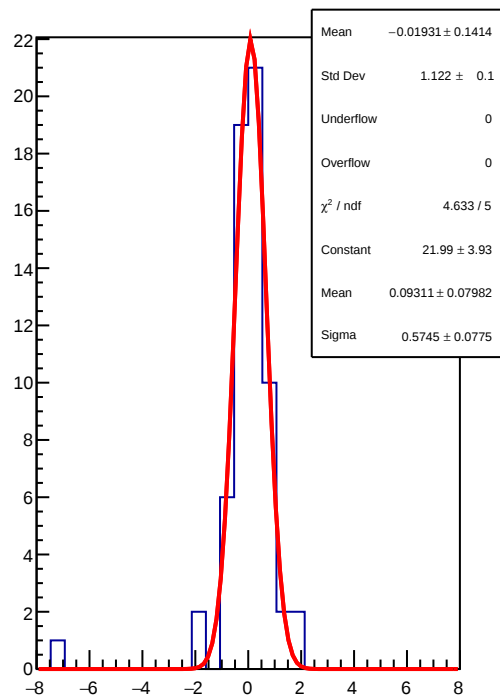
corr\_usl\_bpm4eX RMS (ppm)



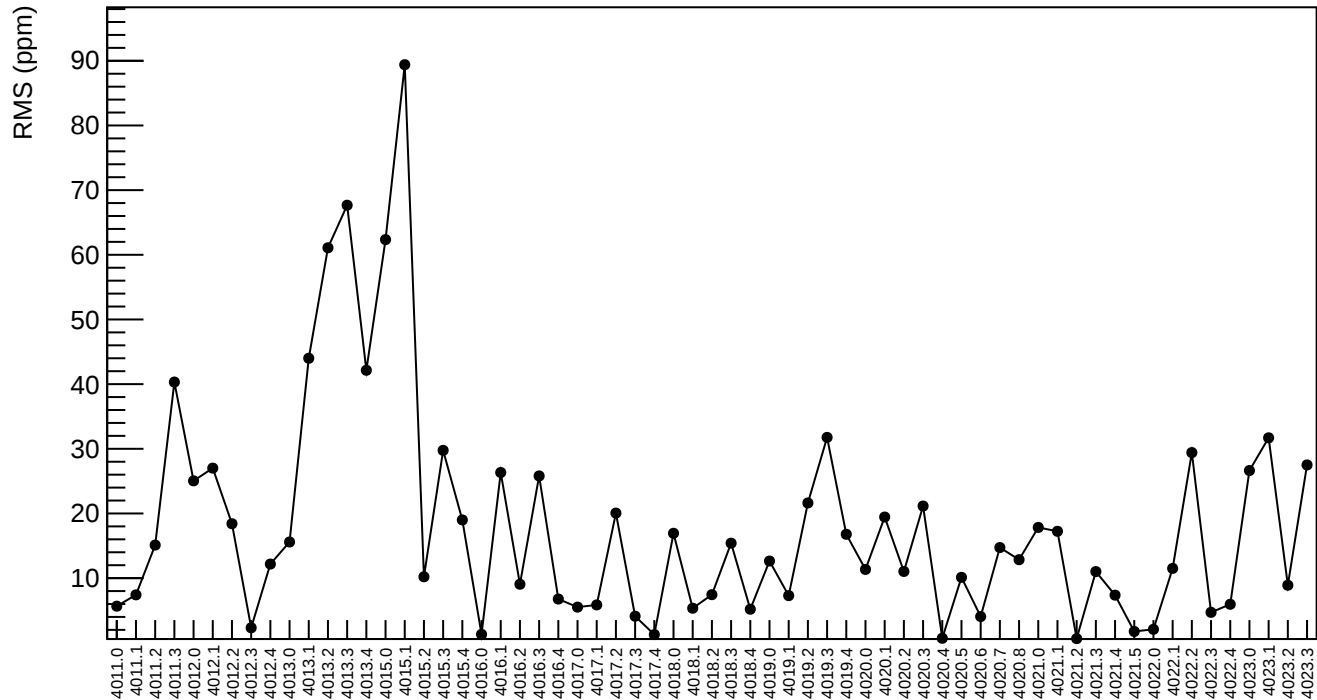
corr\_usl\_bpm4eY (ppb)



1D pull distribution



corr\_usl\_bpm4eY RMS (ppm)

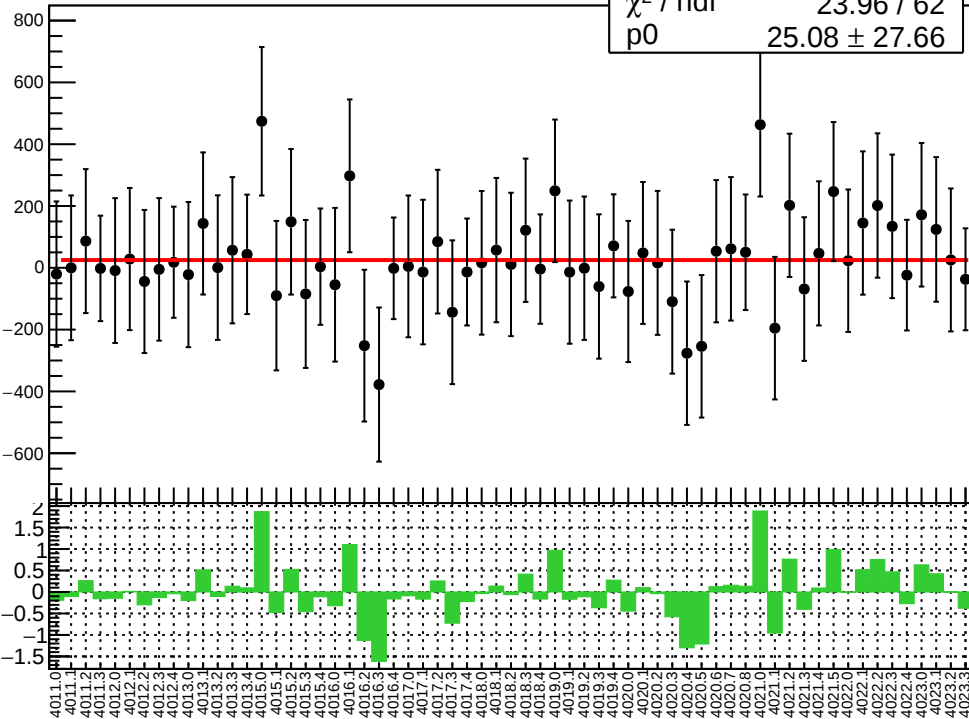


corr\_usl\_bpm4aX (ppb)

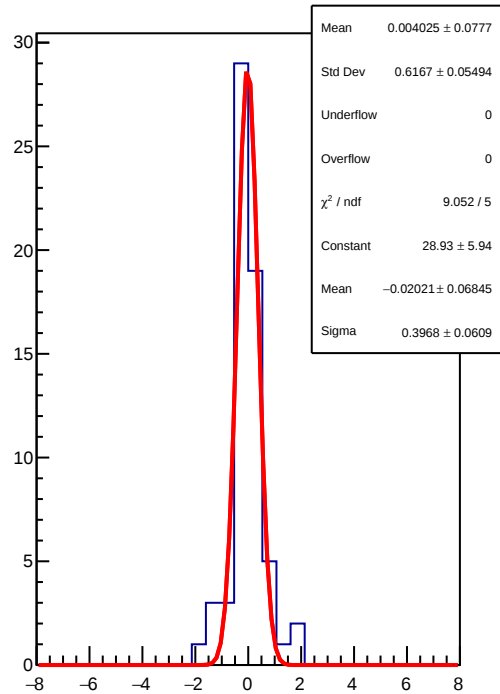
 $\chi^2 / \text{nfd}$ 

23.96 / 62

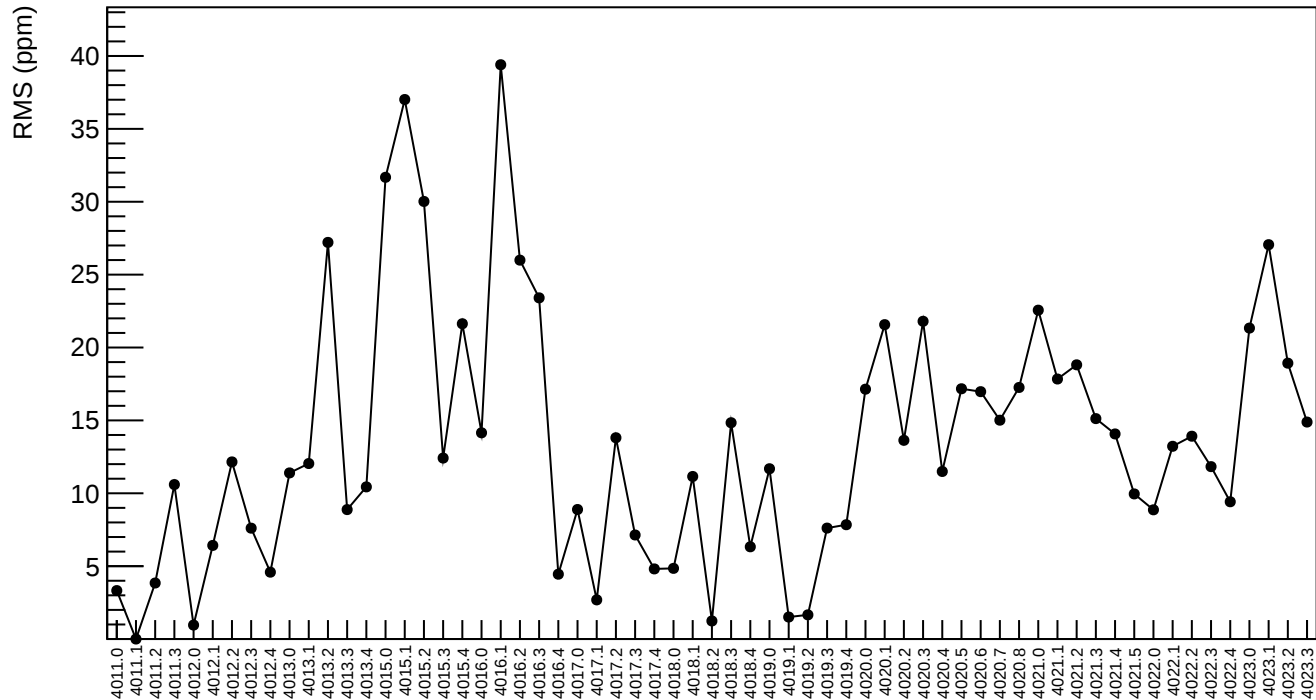
p0

 $25.08 \pm 27.66$ 

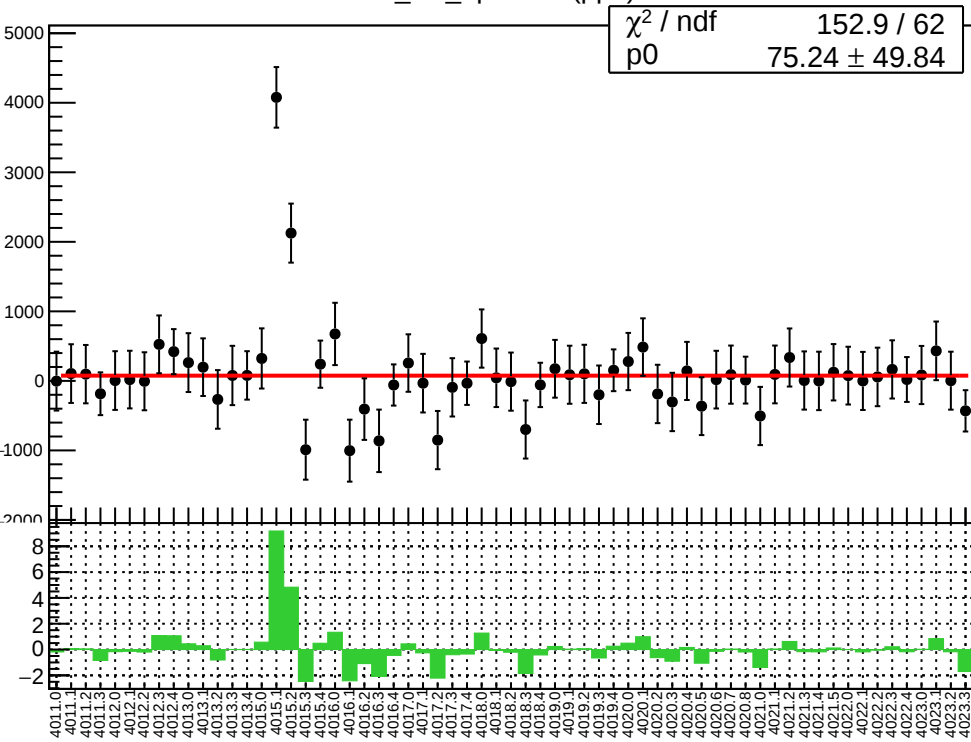
1D pull distribution



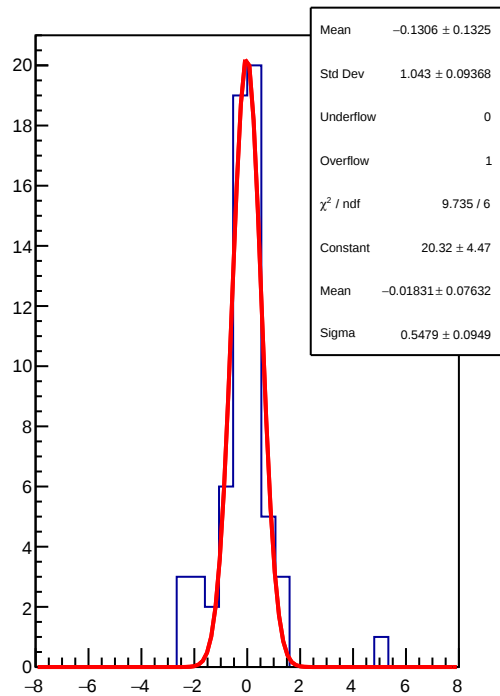
corr\_usl\_bpm4aX RMS (ppm)



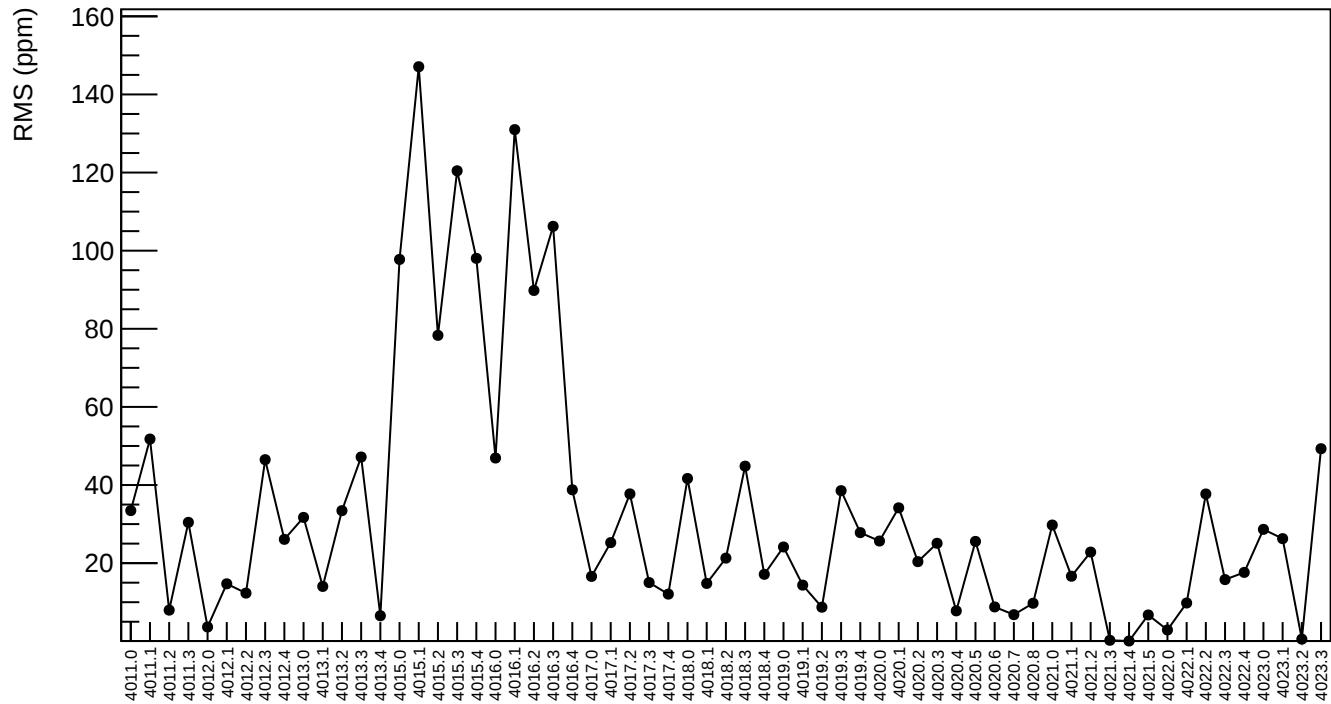
corr\_usl\_bpm4aY (ppb)



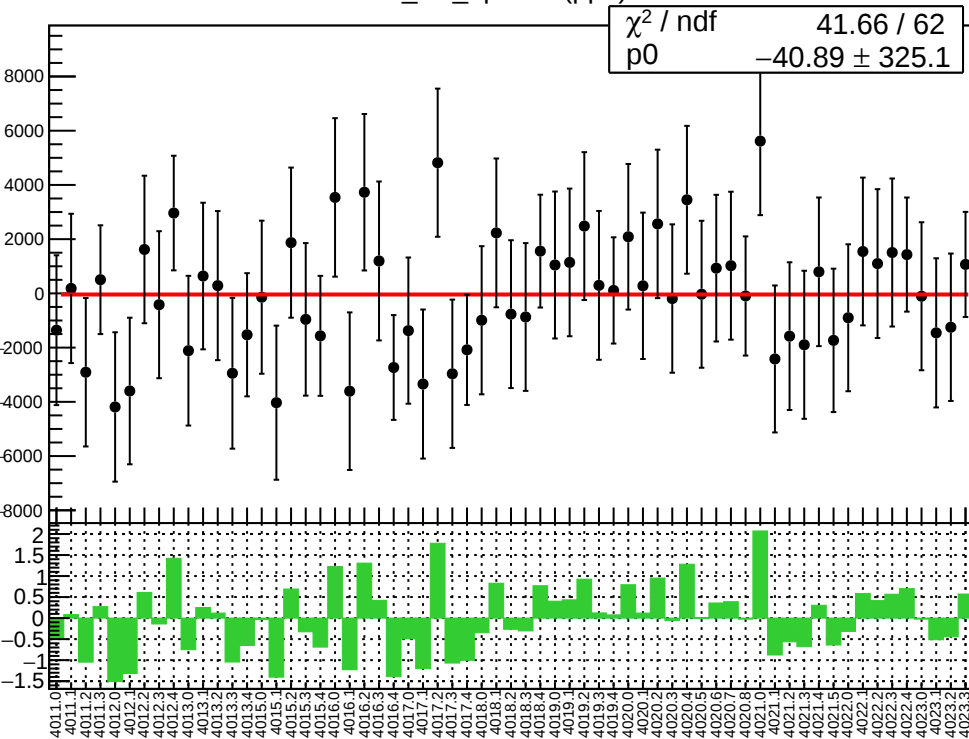
1D pull distribution



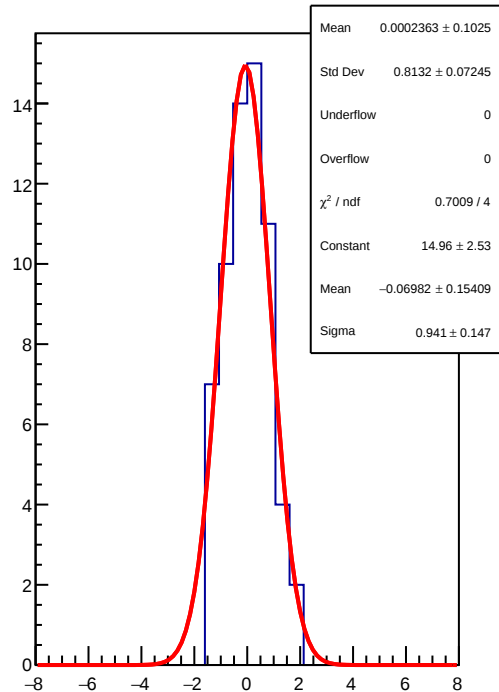
corr\_usl\_bpm4aY RMS (ppm)



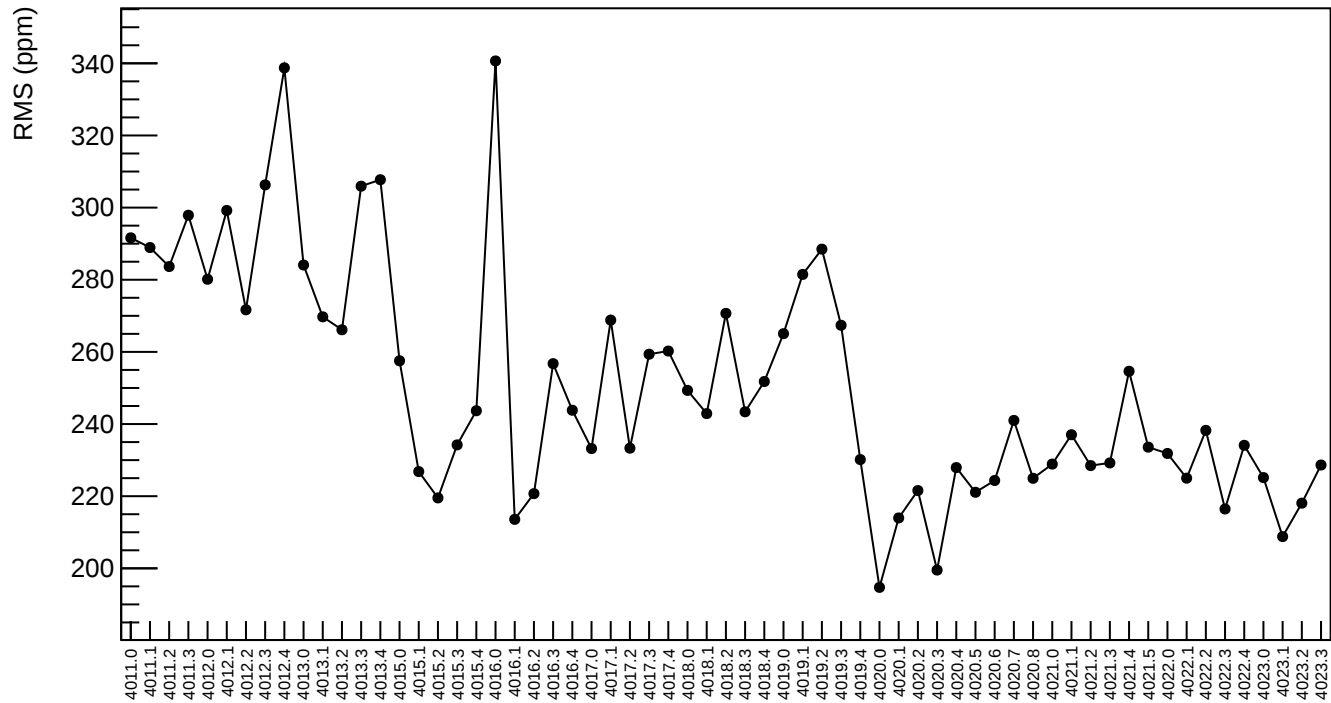
corr\_usl\_bpm1X (ppb)



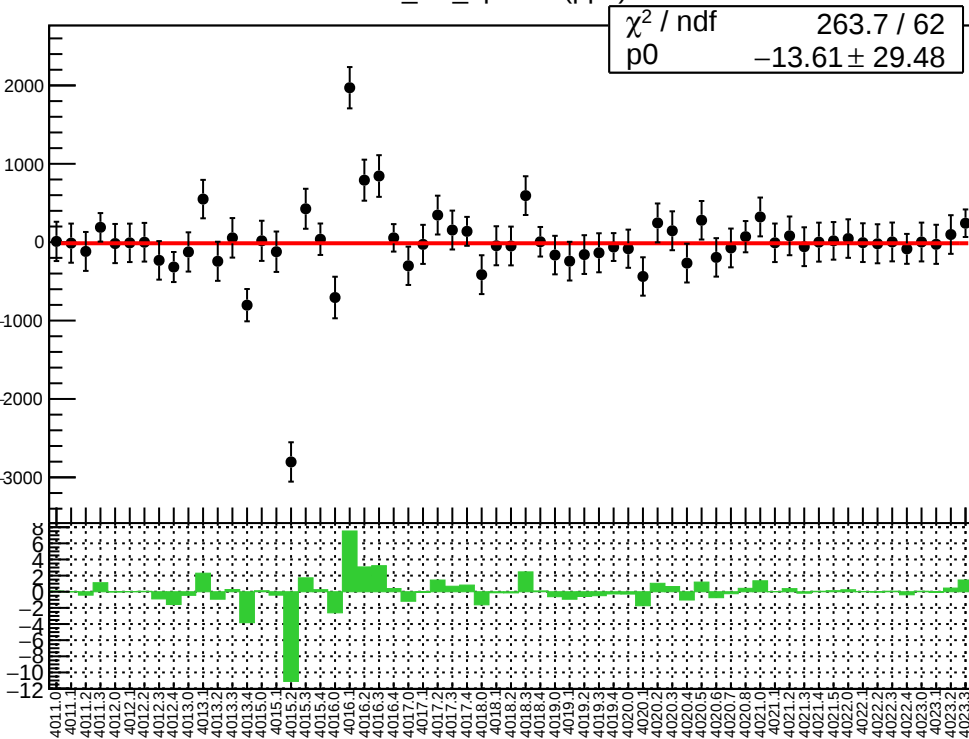
1D pull distribution



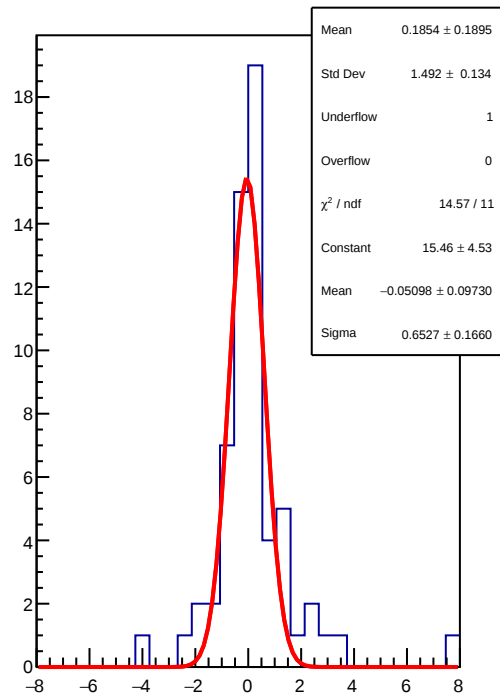
corr\_usl\_bpm1X RMS (ppm)



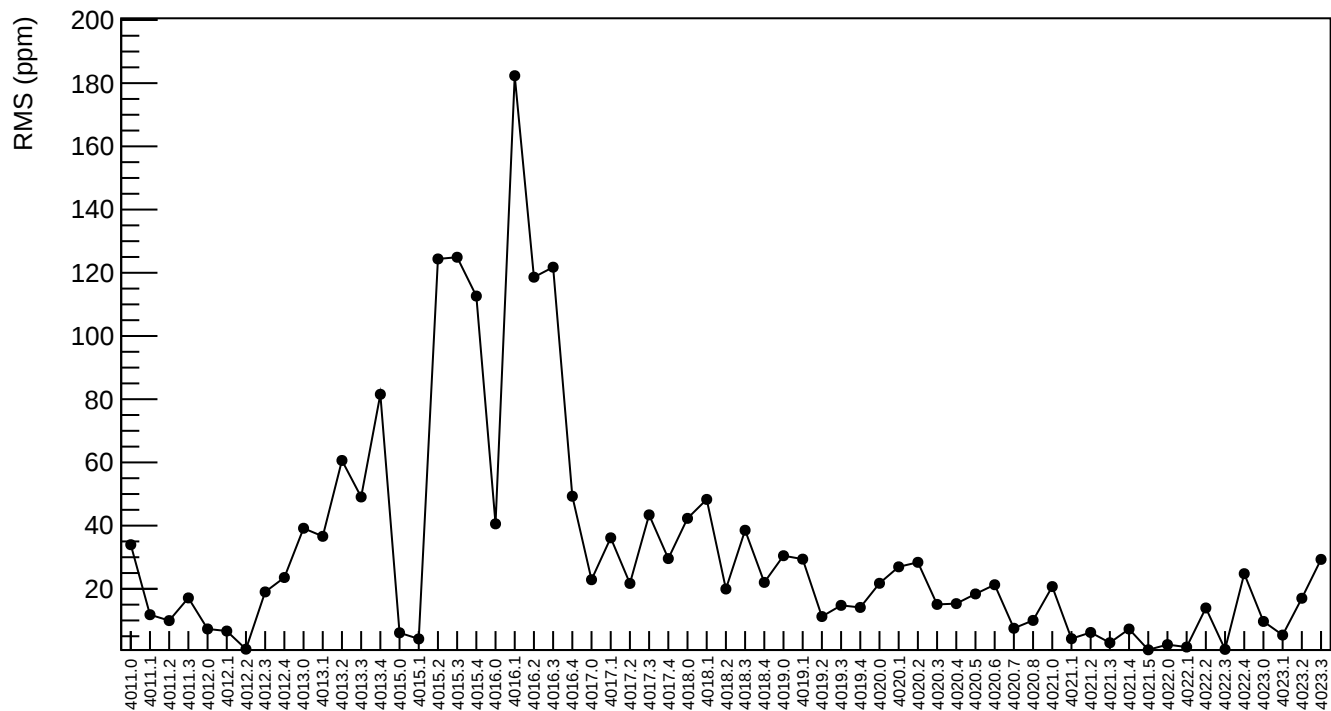
corr\_usl\_bpm1Y (ppb)



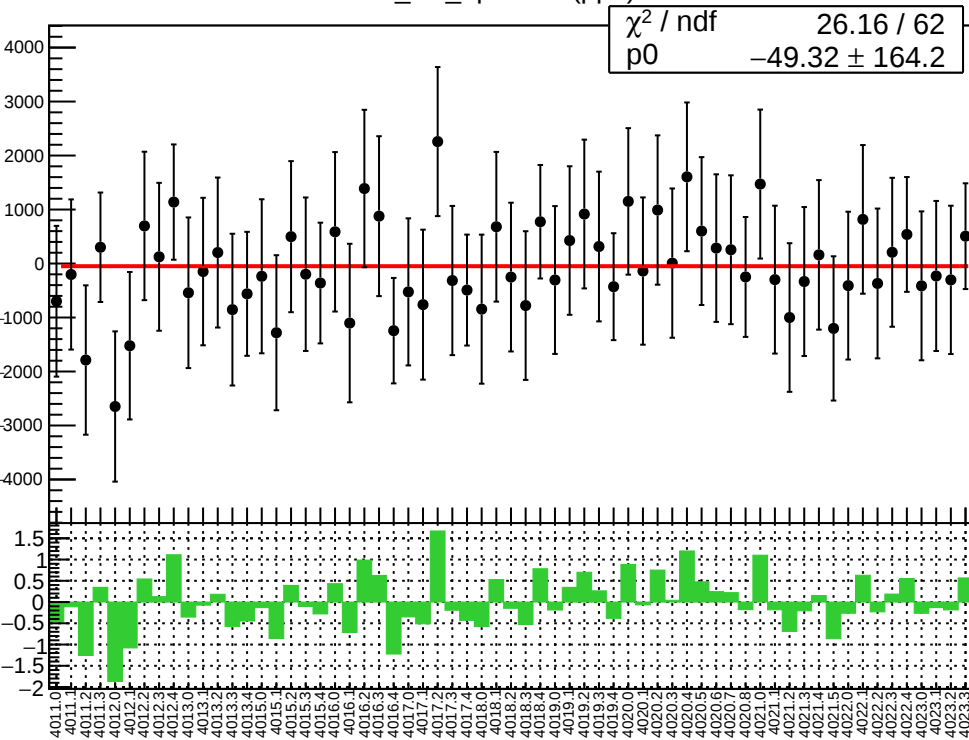
1D pull distribution



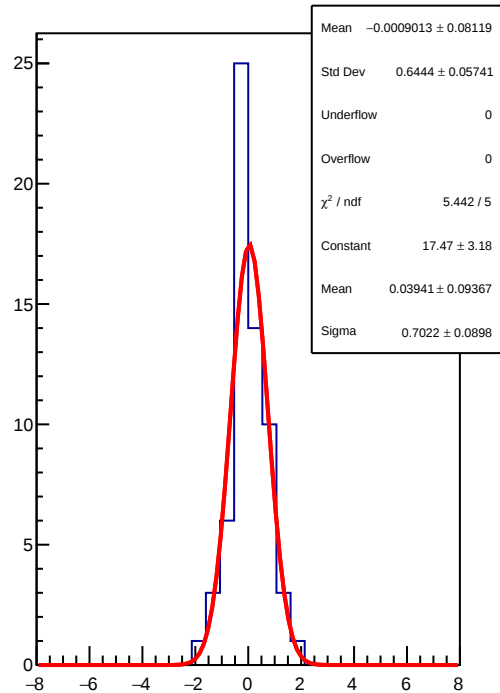
corr\_usl\_bpm1Y RMS (ppm)



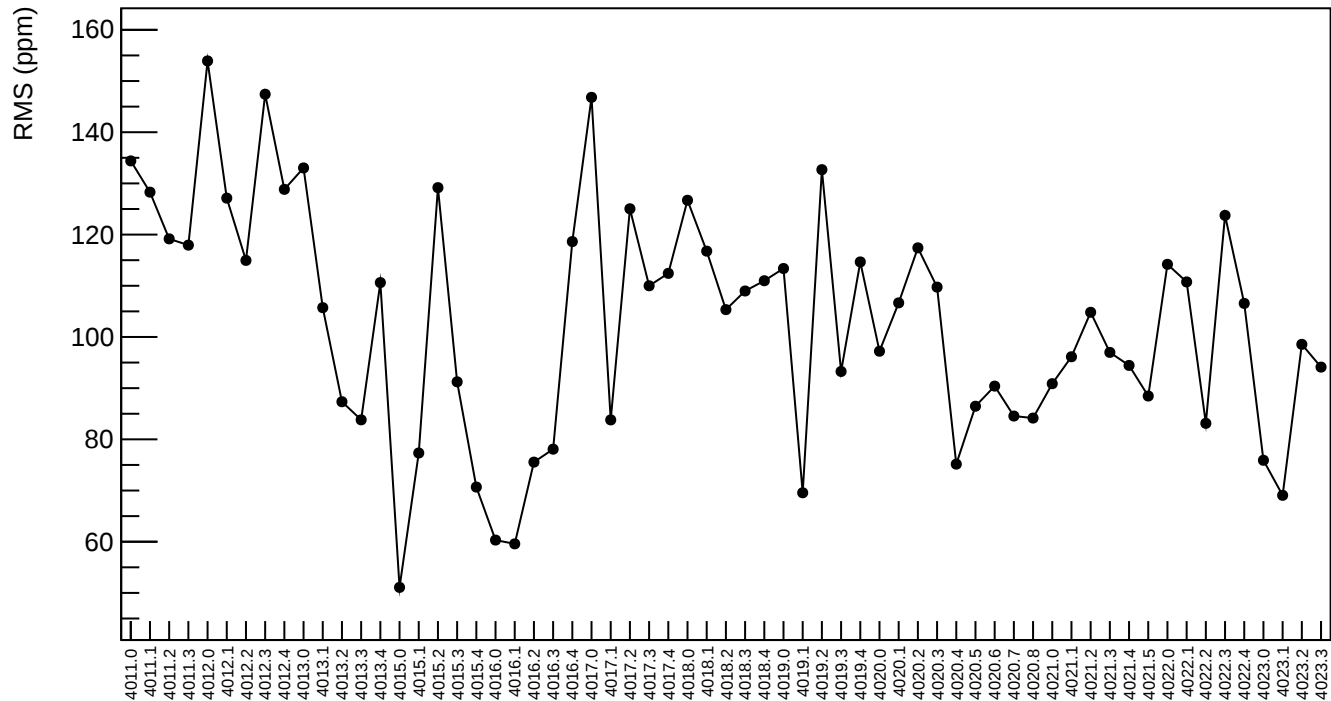
corr\_usl\_bpm16X (ppb)



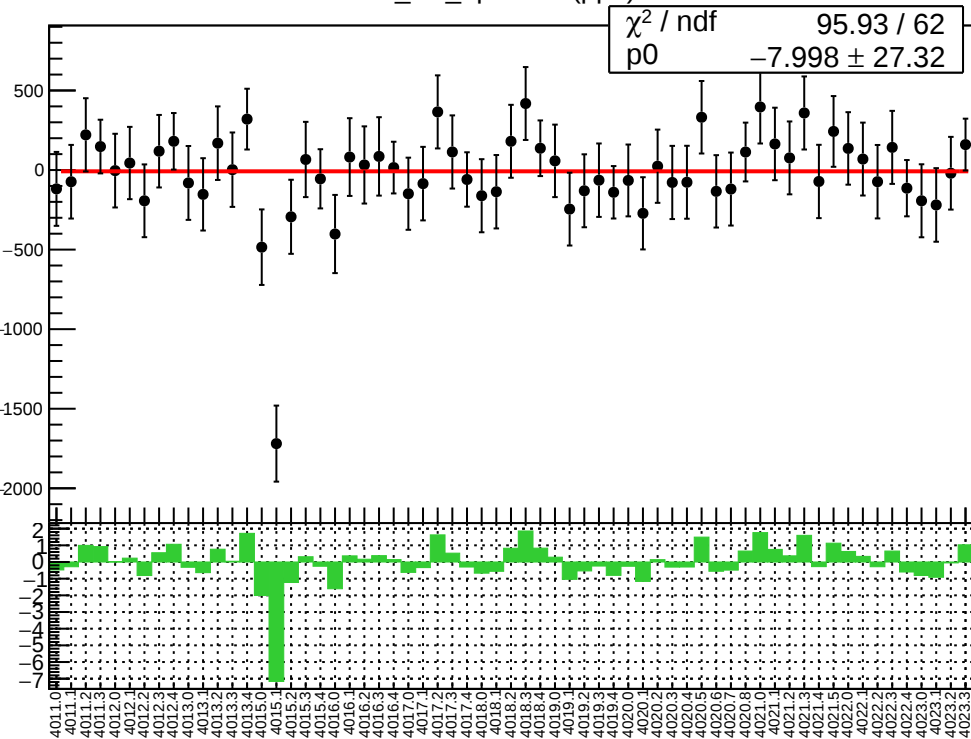
1D pull distribution



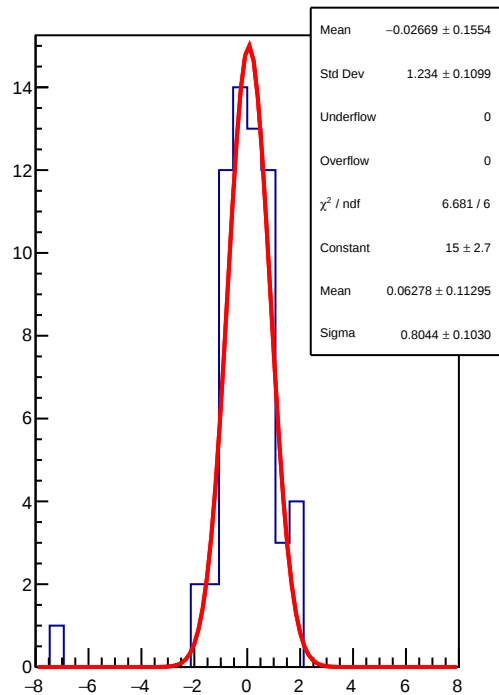
corr\_usl\_bpm16X RMS (ppm)



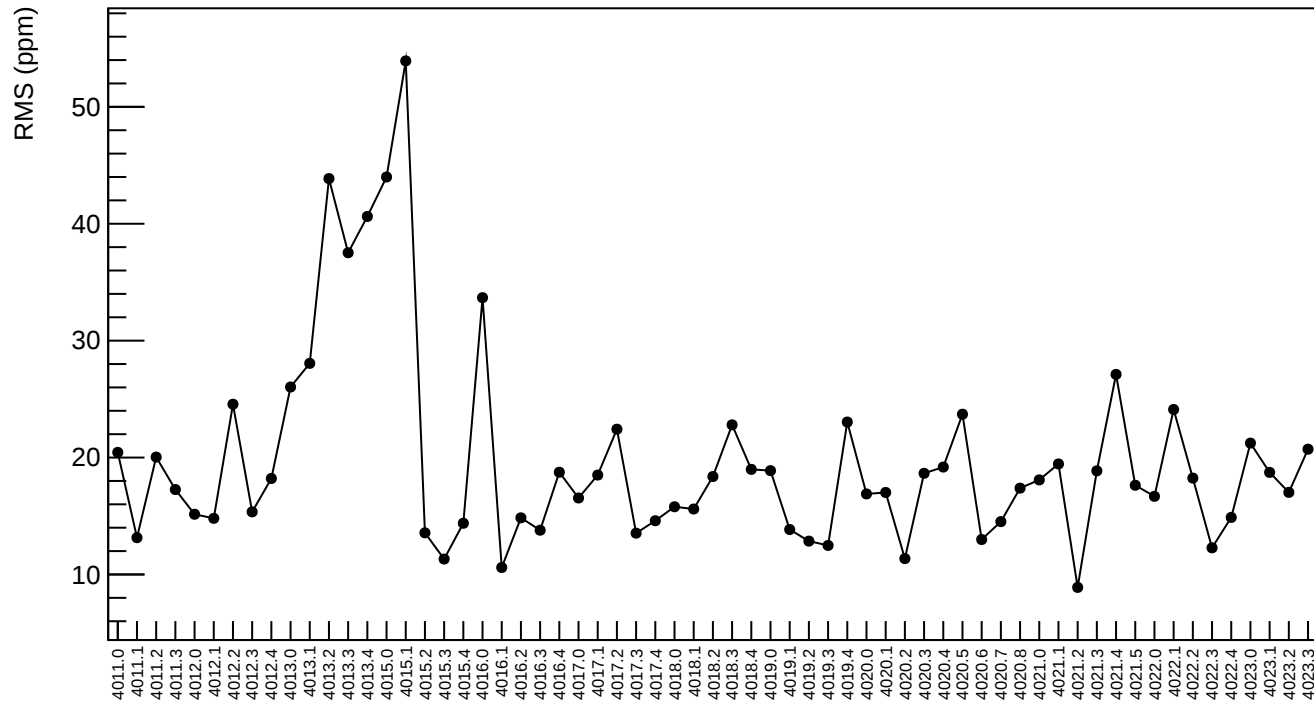
corr\_usl\_bpm16Y (ppb)



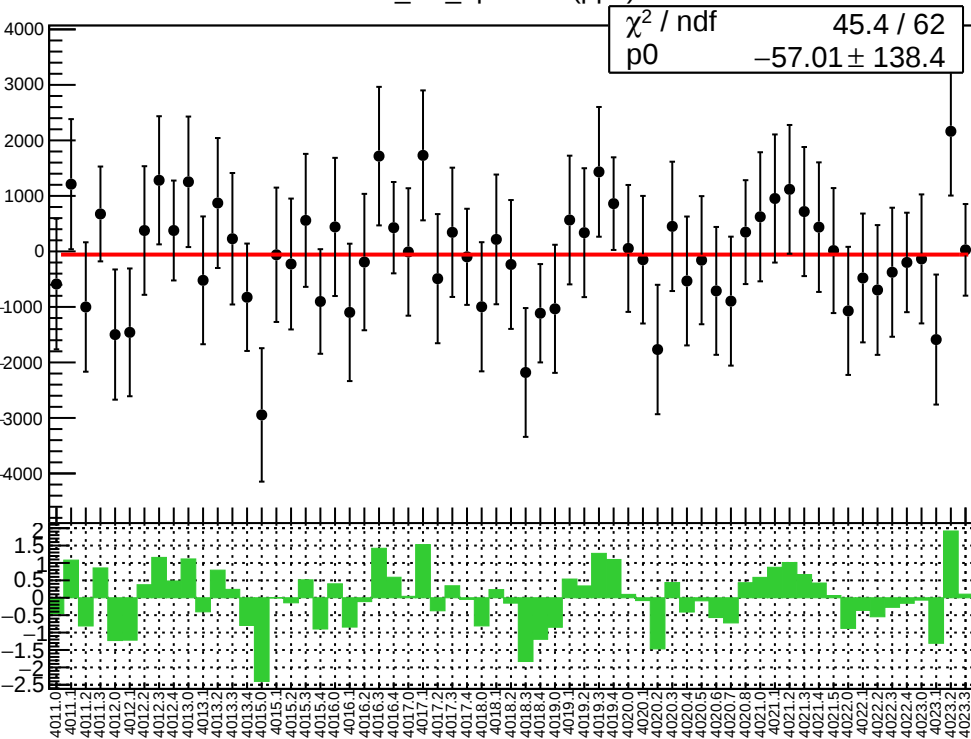
1D pull distribution



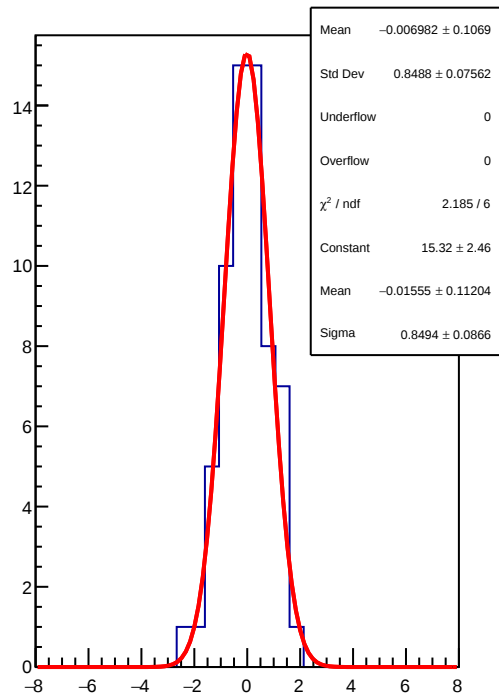
corr\_usl\_bpm16Y RMS (ppm)



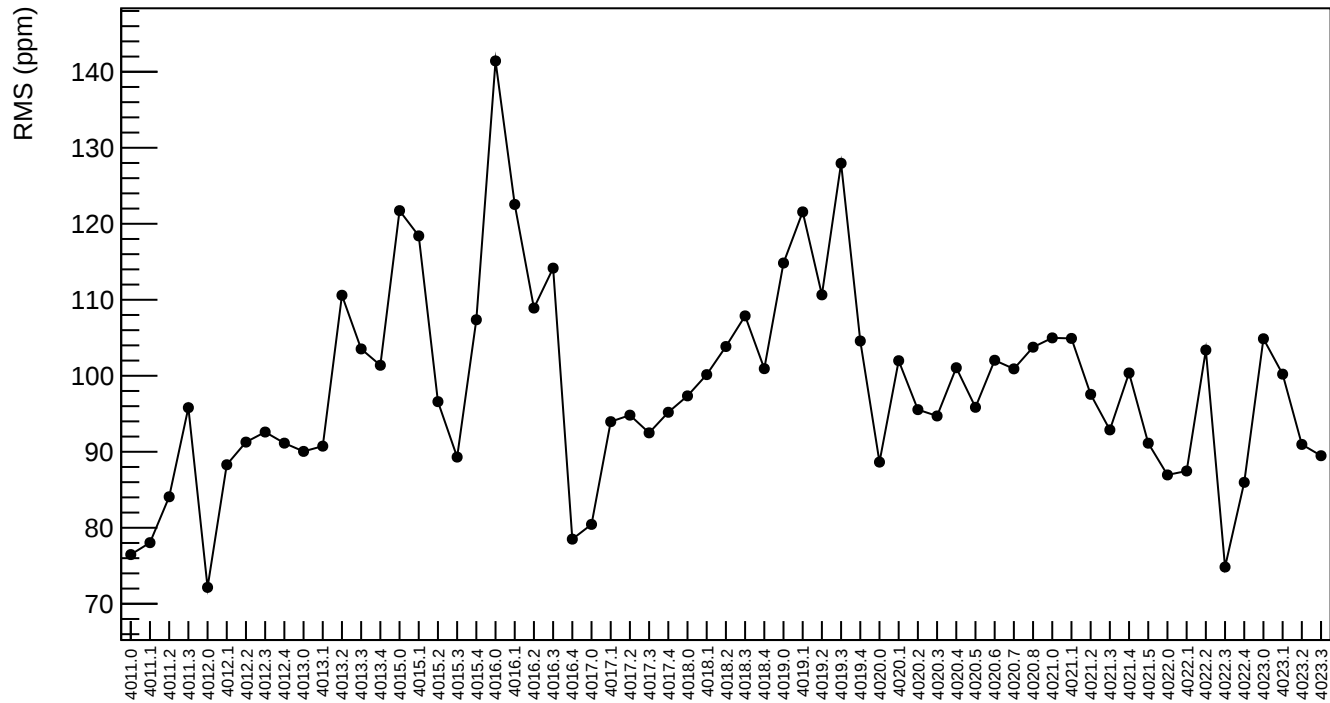
corr\_usl\_bpm12X (ppb)



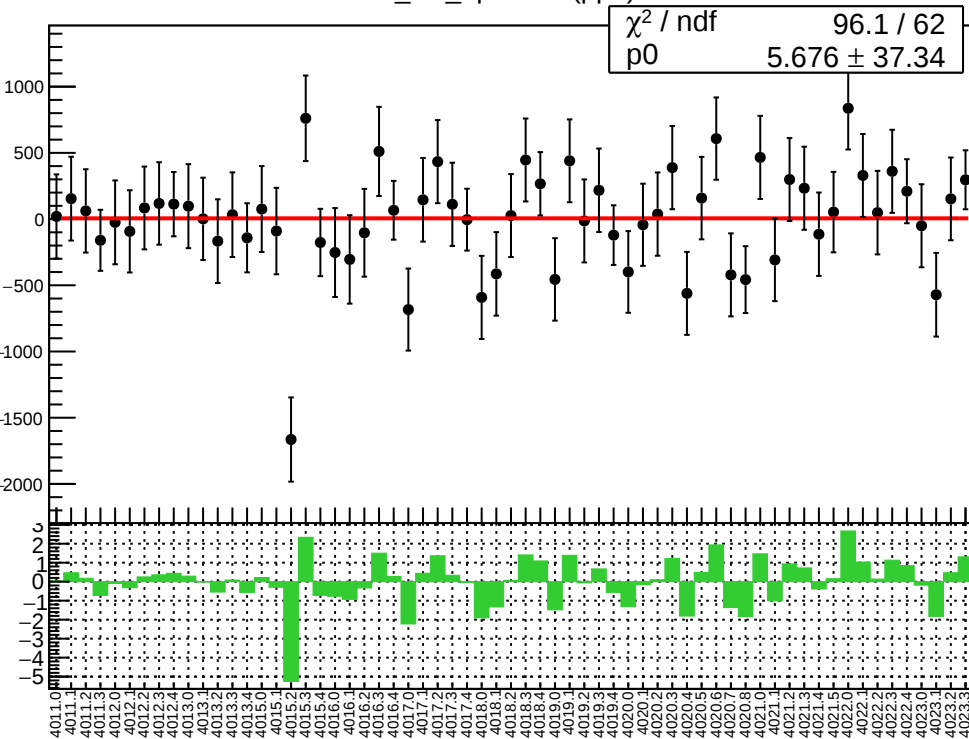
1D pull distribution



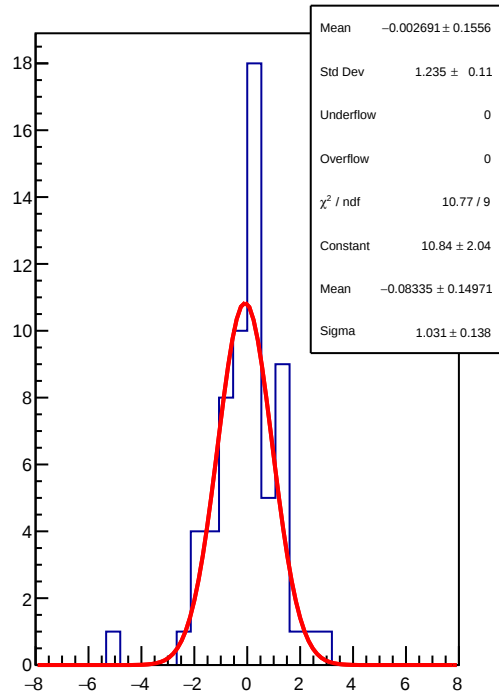
corr\_usl\_bpm12X RMS (ppm)



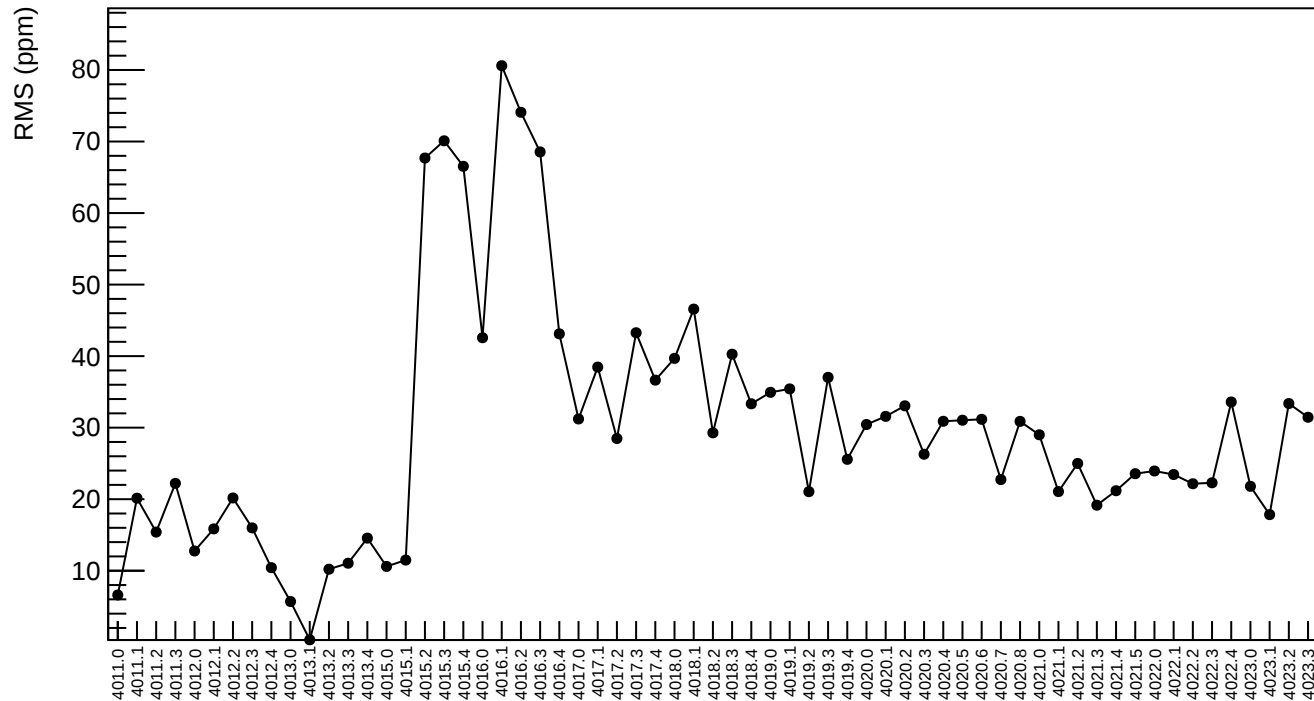
corr\_usl\_bpm12Y (ppb)



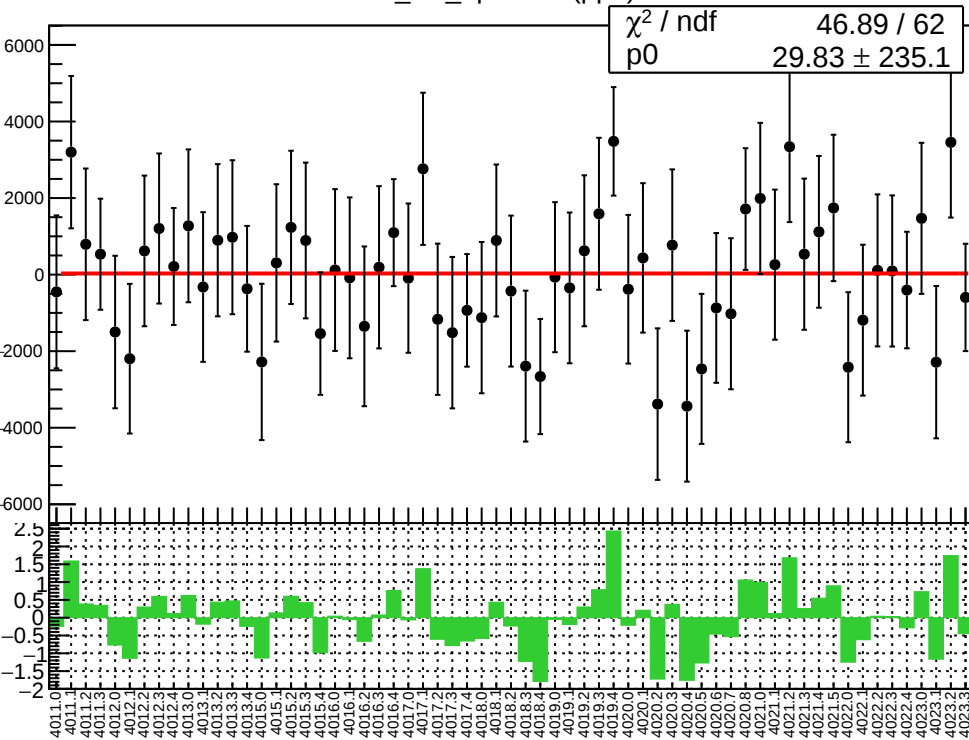
1D pull distribution



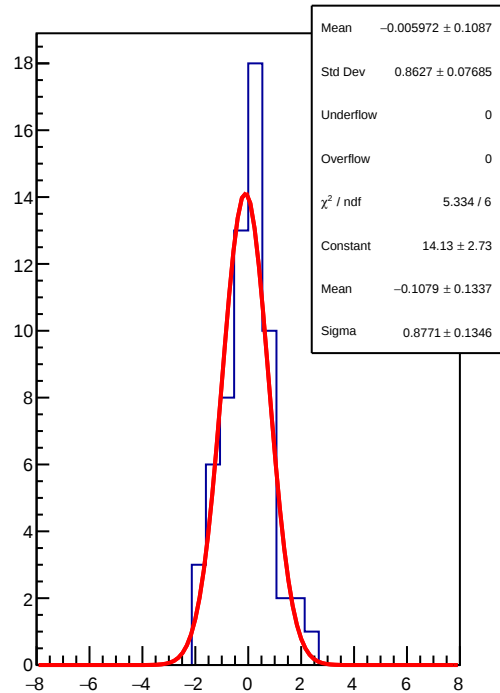
corr\_usl\_bpm12Y RMS (ppm)



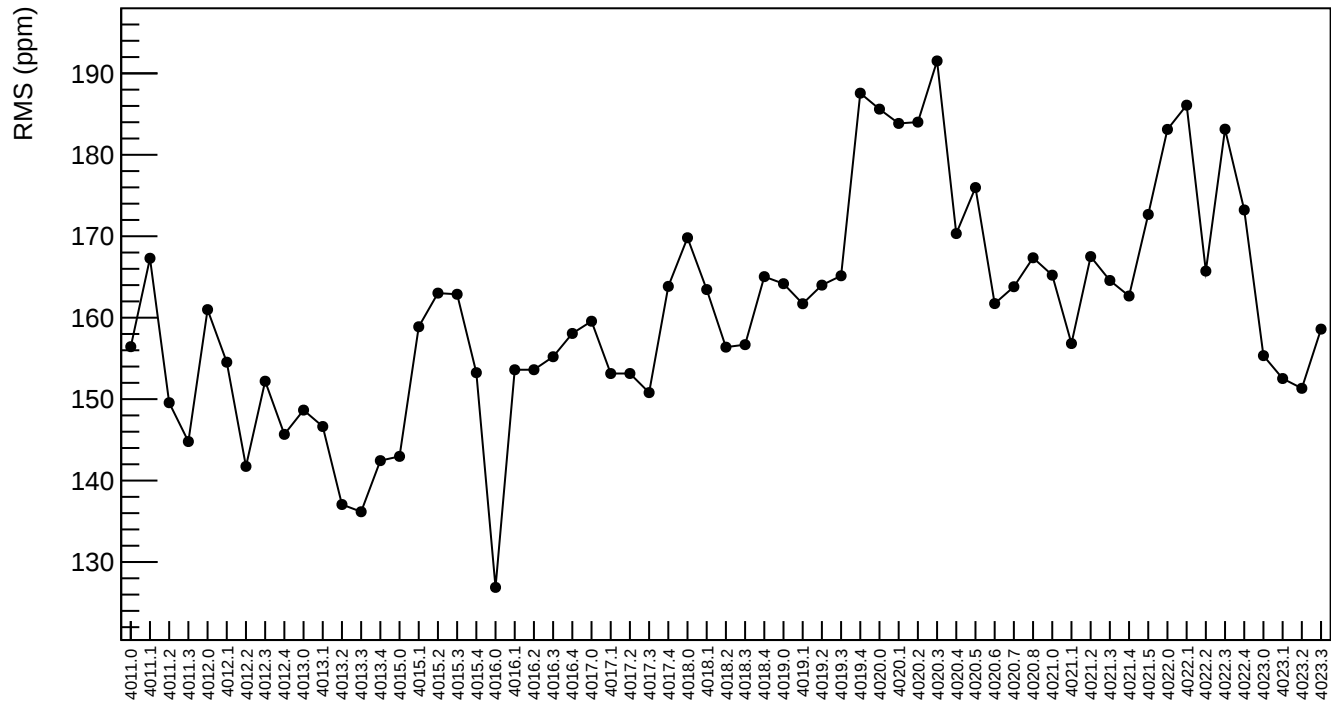
corr\_usl\_bpm11X (ppb)



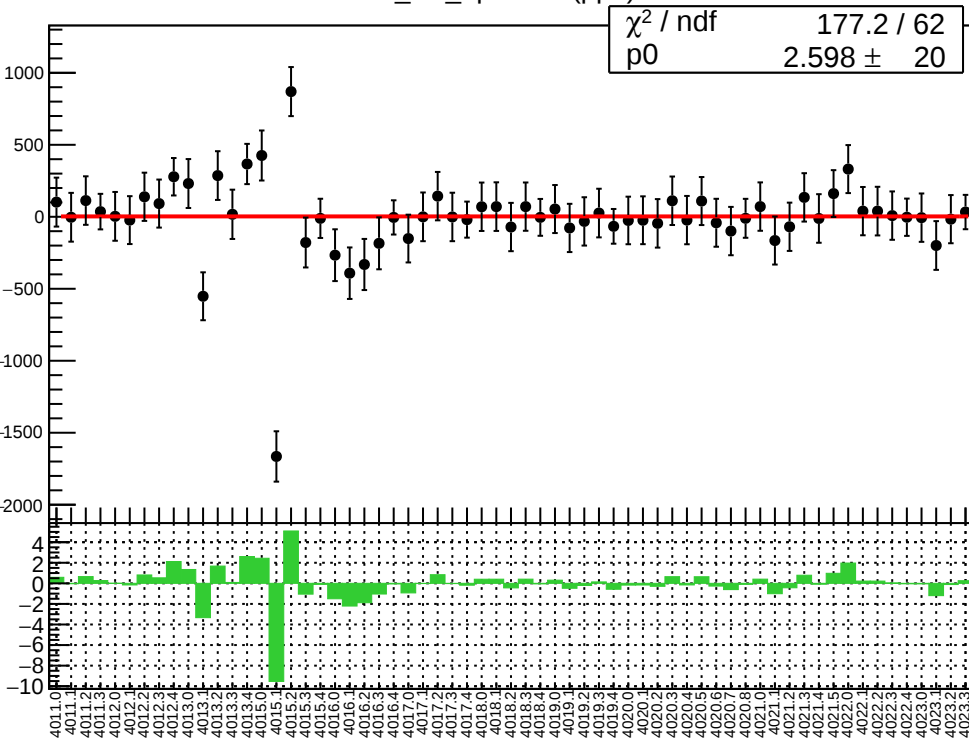
1D pull distribution



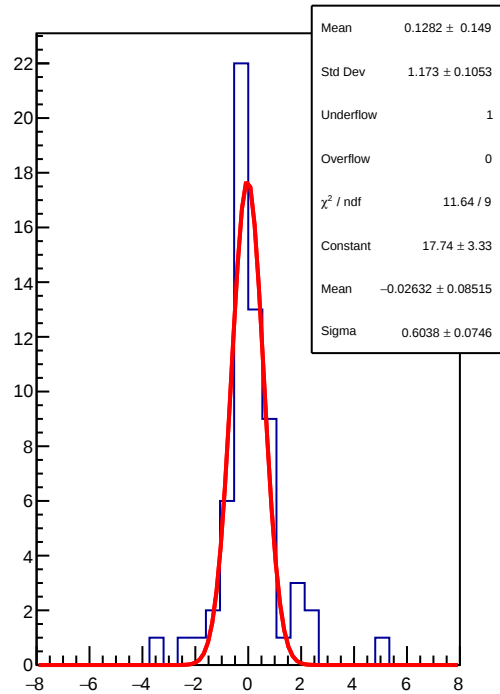
corr\_usl\_bpm11X RMS (ppm)



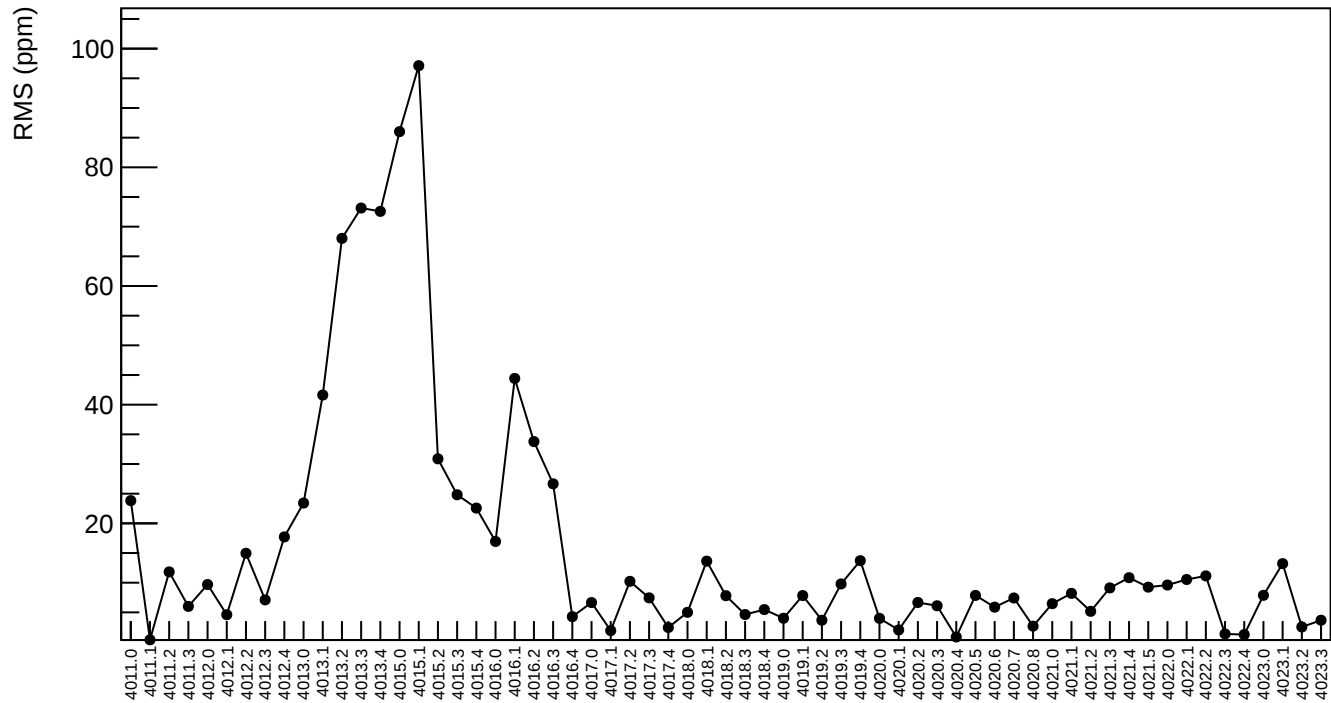
corr\_usl\_bpm11Y (ppb)



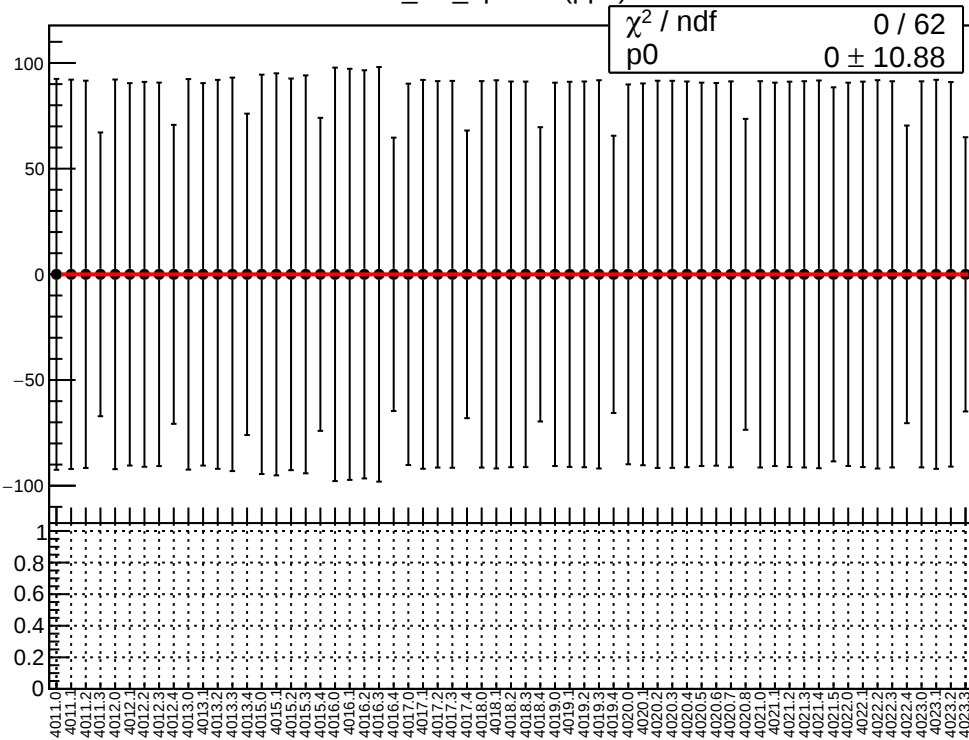
1D pull distribution



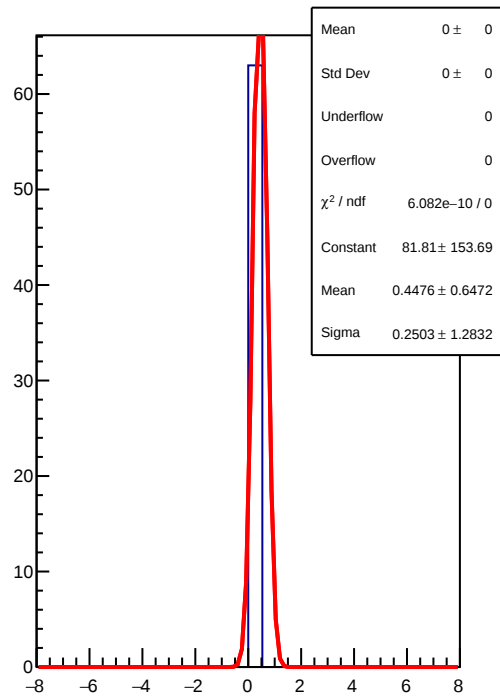
corr\_usl\_bpm11Y RMS (ppm)



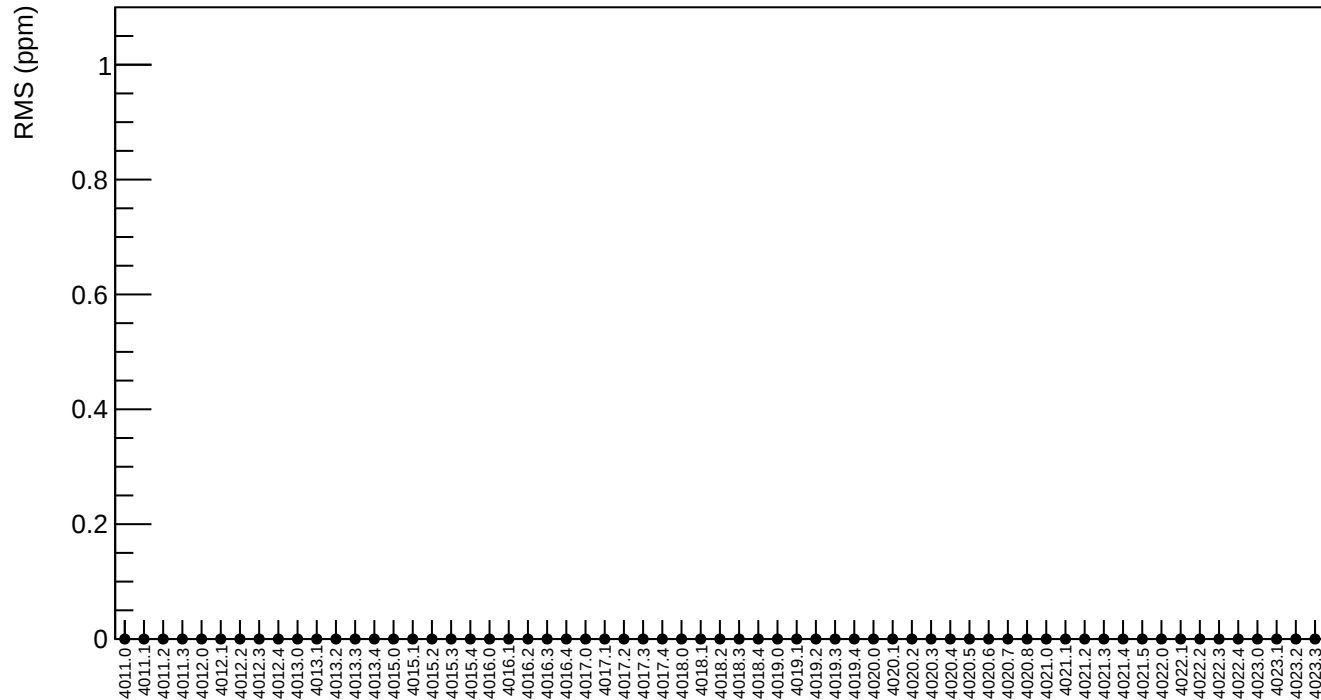
corr\_usl\_bpm8X (ppb)



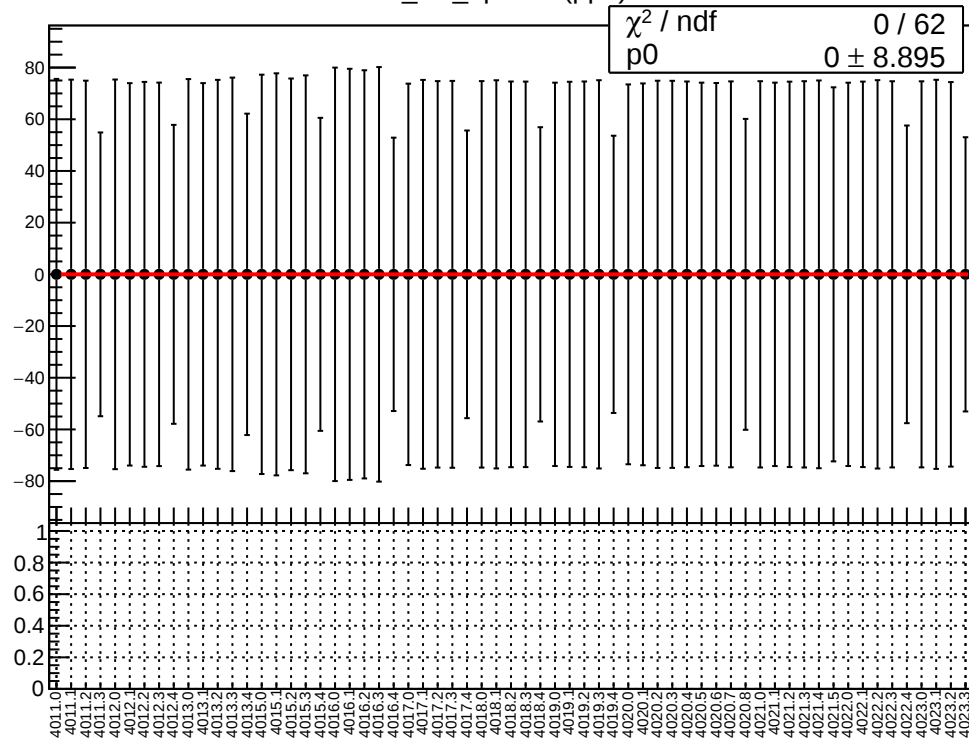
1D pull distribution



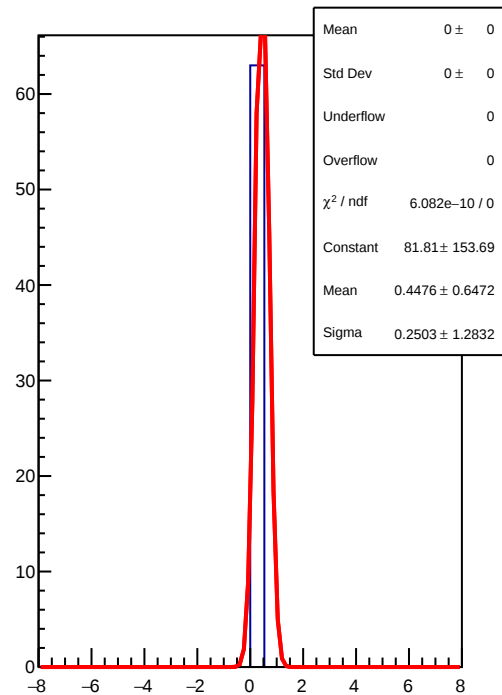
corr\_usl\_bpm8X RMS (ppm)



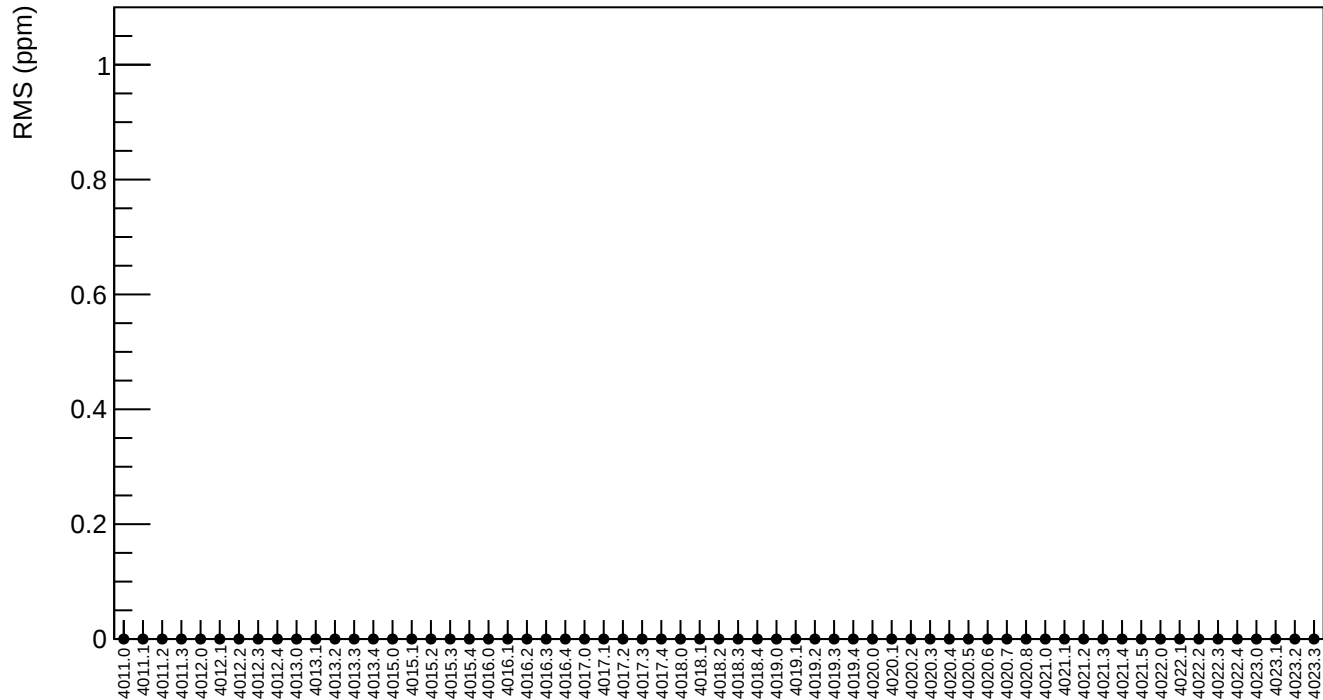
corr\_usl\_bpm8Y (ppb)



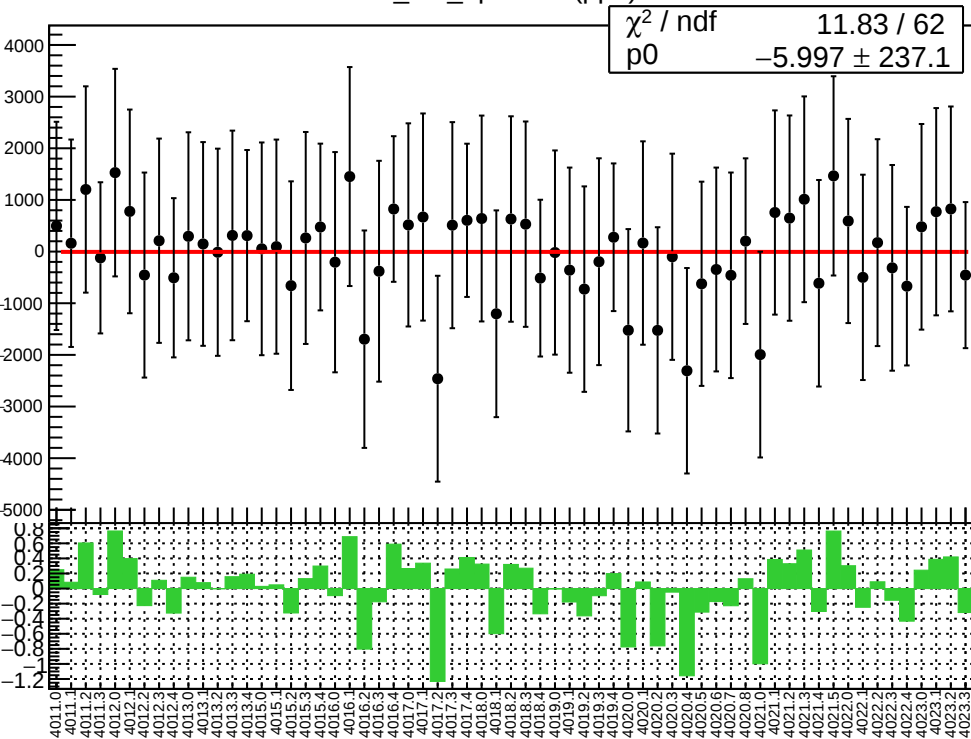
1D pull distribution



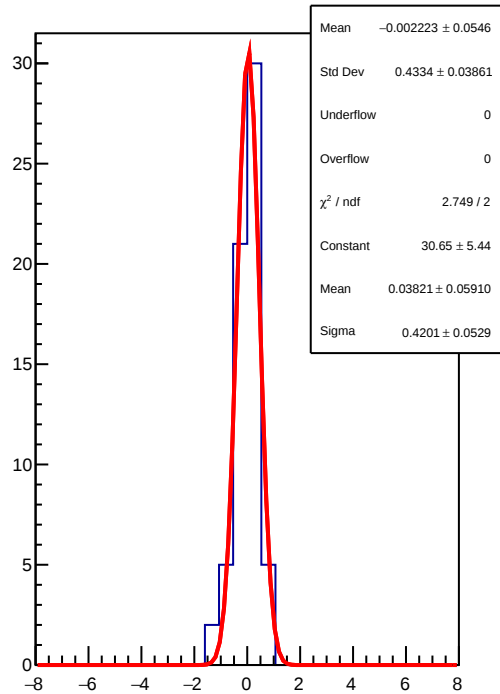
corr\_usl\_bpm8Y RMS (ppm)



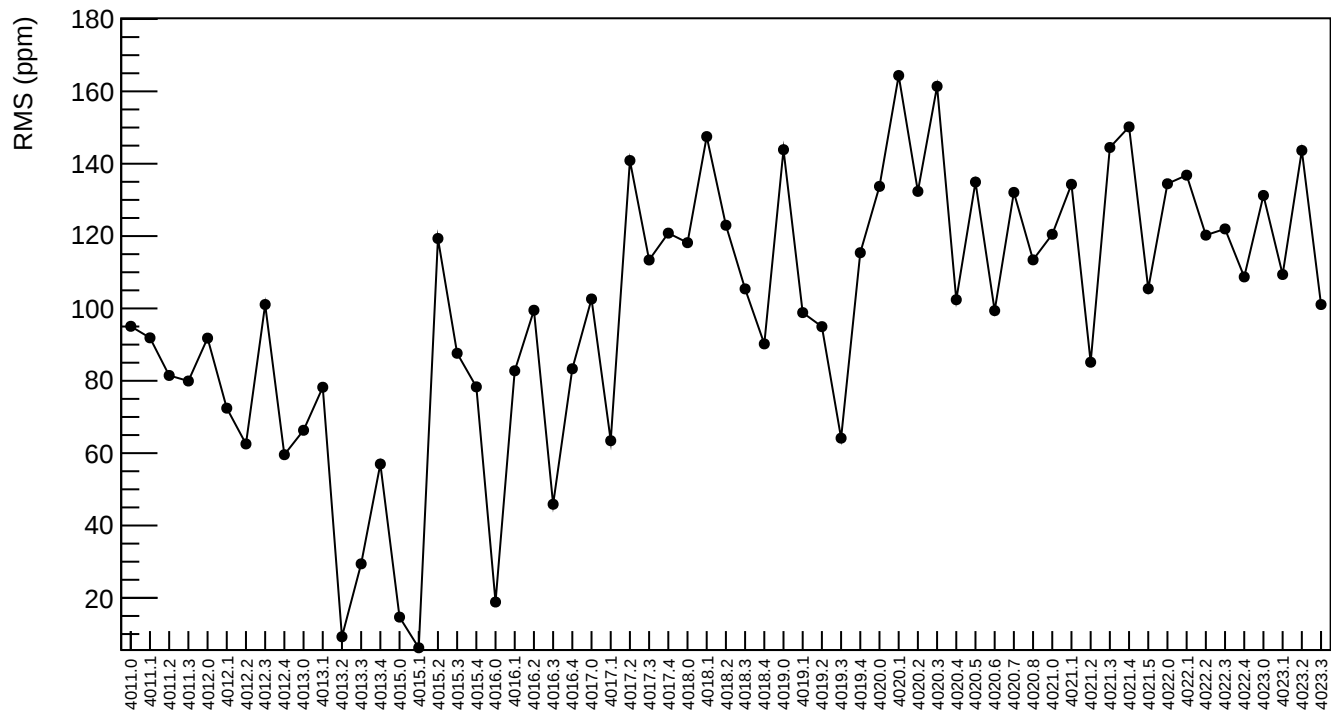
corr\_usr\_bpm4eX (ppb)



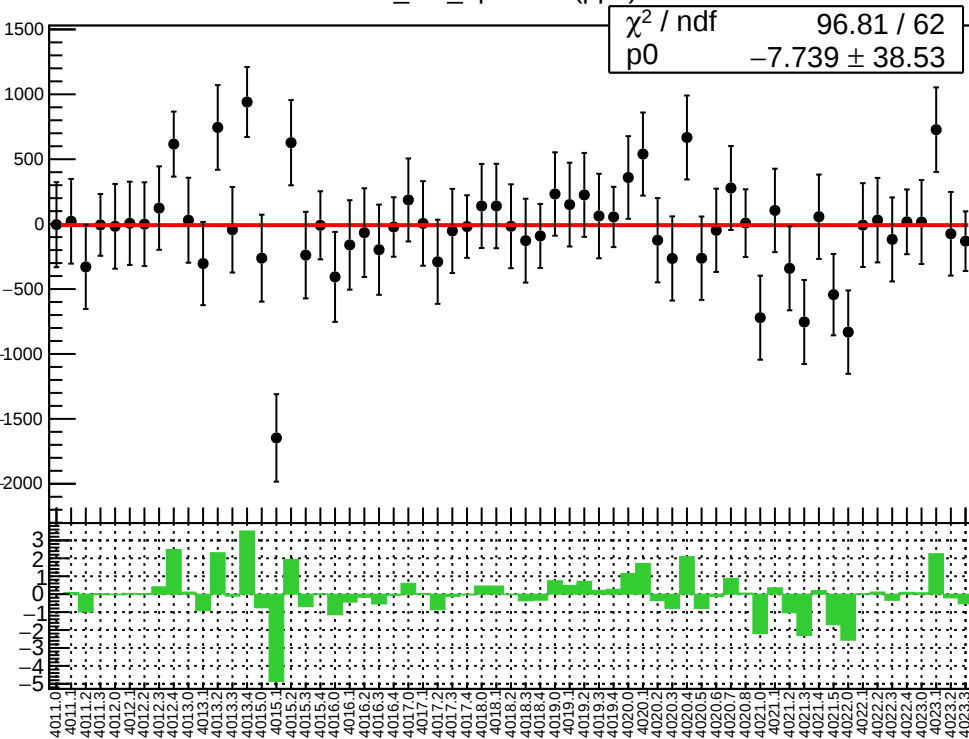
1D pull distribution



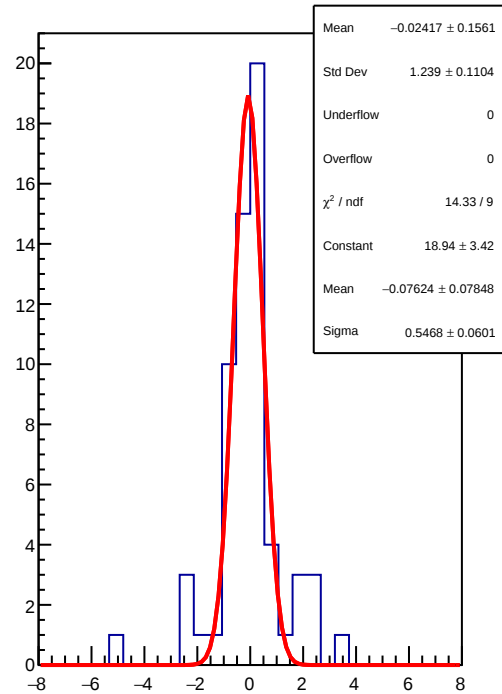
corr\_usr\_bpm4eX RMS (ppm)



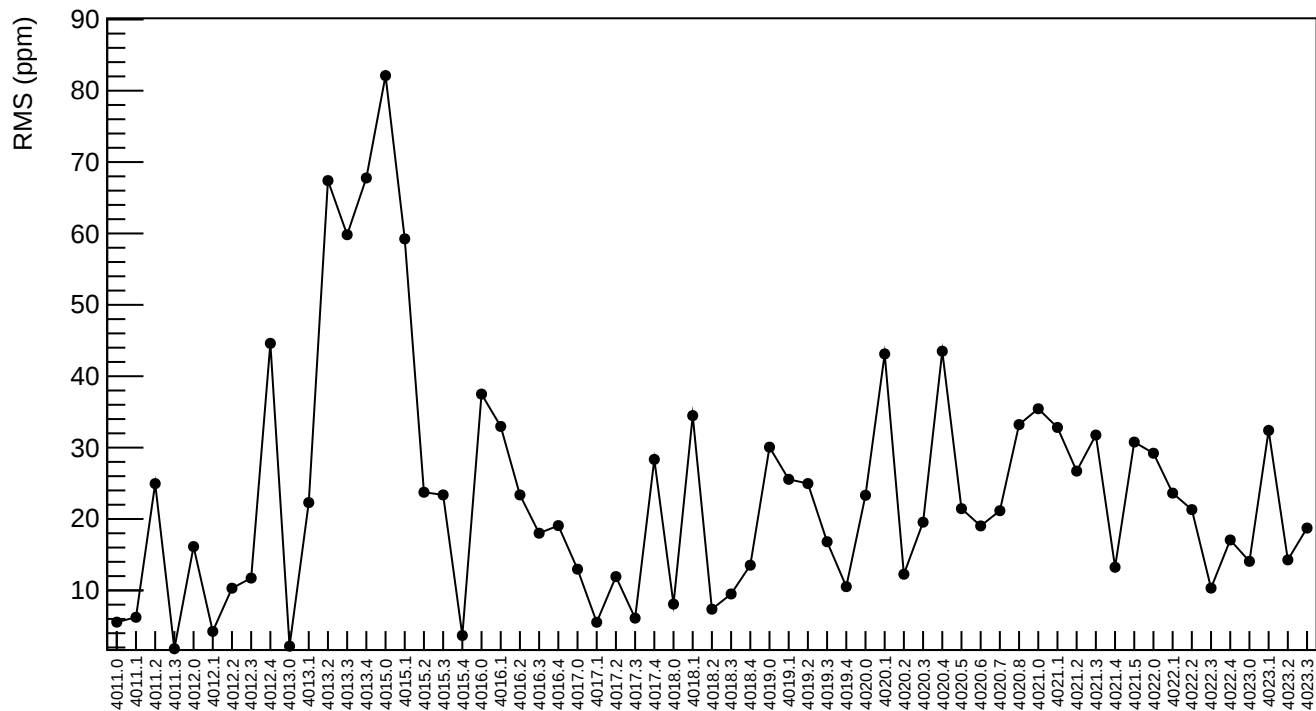
corr\_usr\_bpm4eY (ppb)



1D pull distribution



corr\_usr\_bpm4eY RMS (ppm)

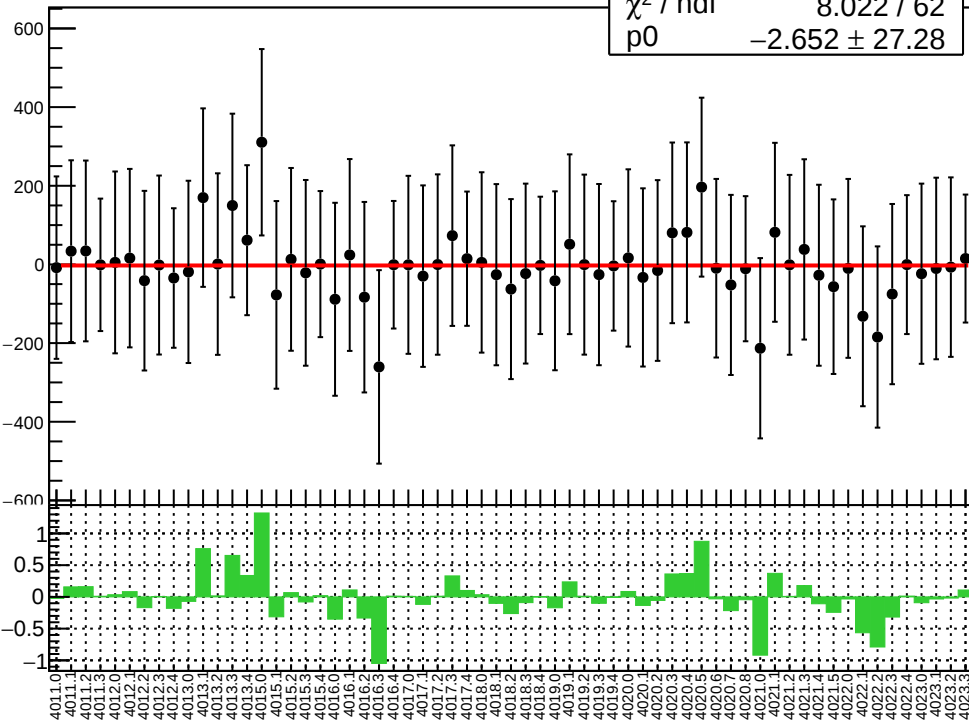


corr\_usr\_bpm4aX (ppb)

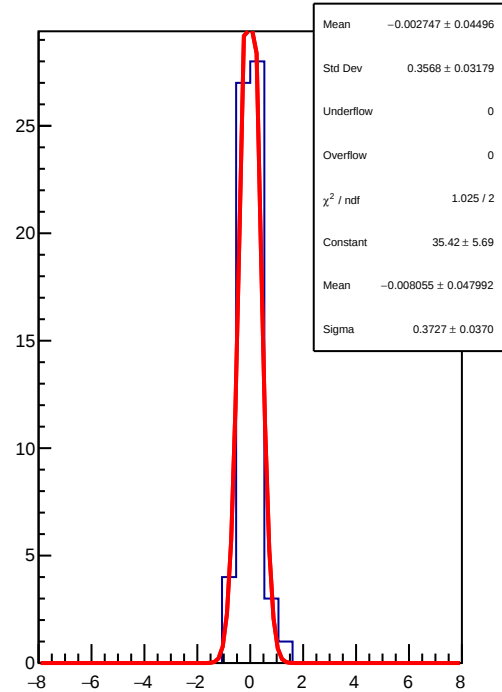
 $\chi^2 / \text{ndf}$ 

8.022 / 62

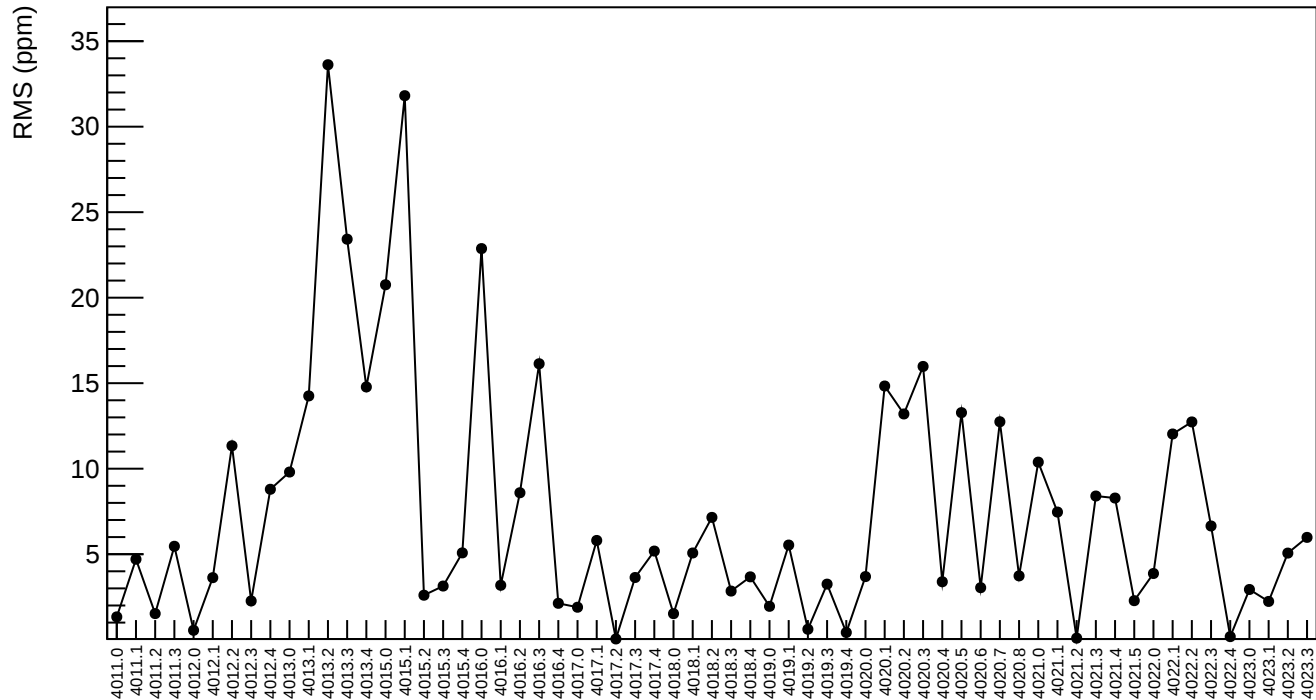
p0

 $-2.652 \pm 27.28$ 

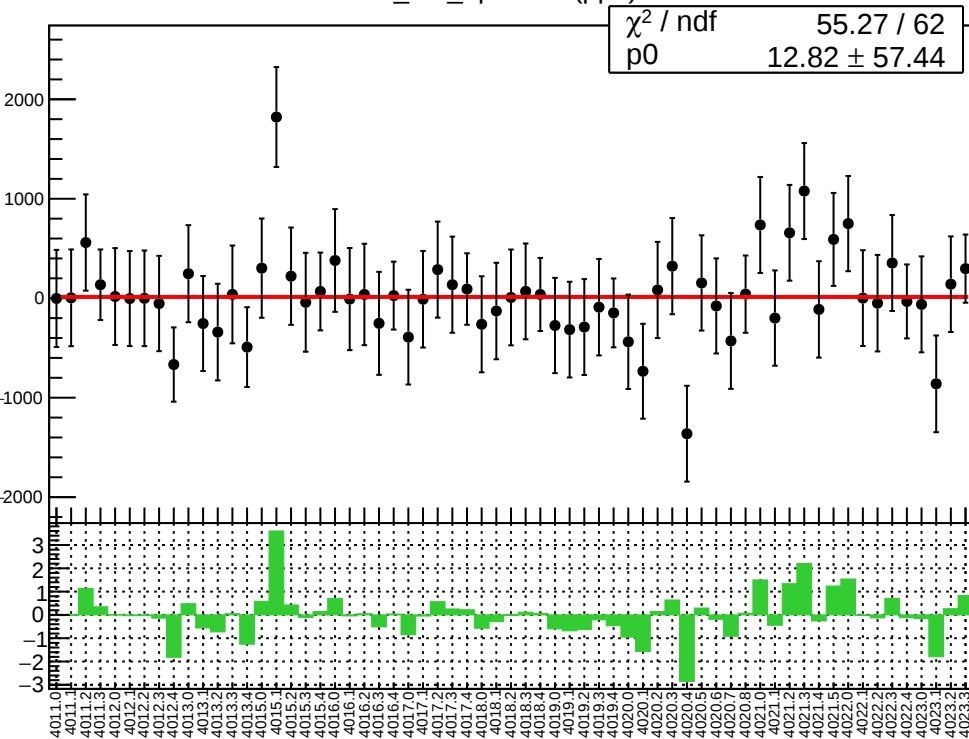
1D pull distribution



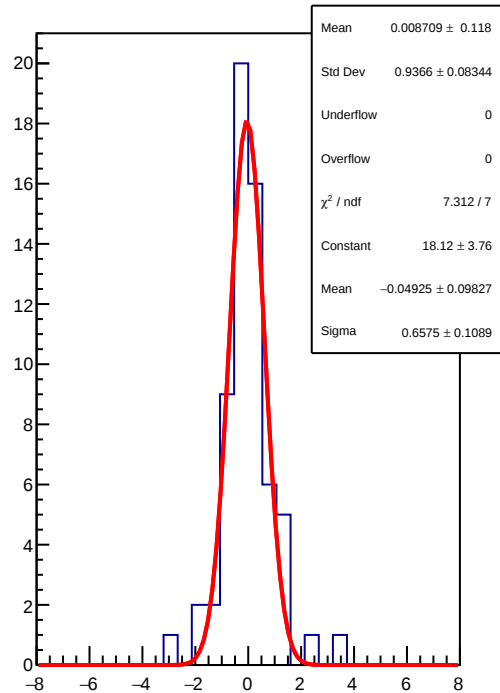
corr\_usr\_bpm4aX RMS (ppm)



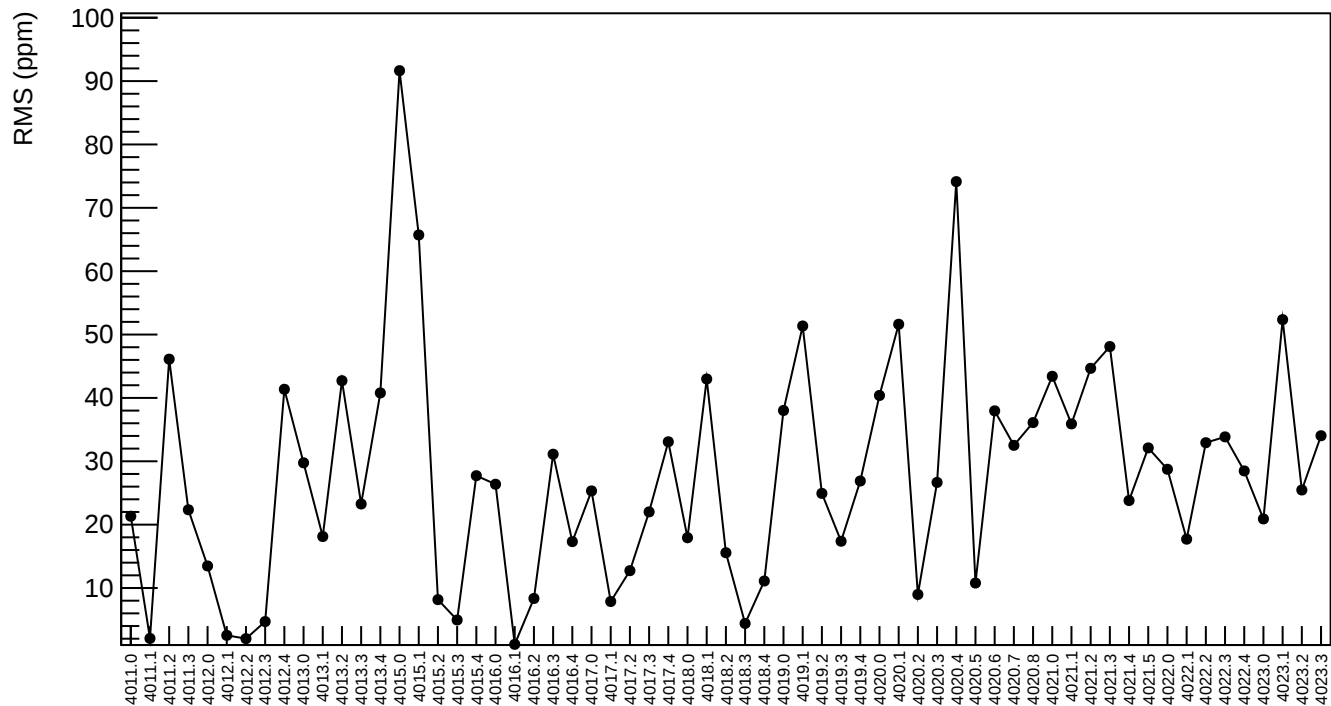
corr\_usr\_bpm4aY (ppb)



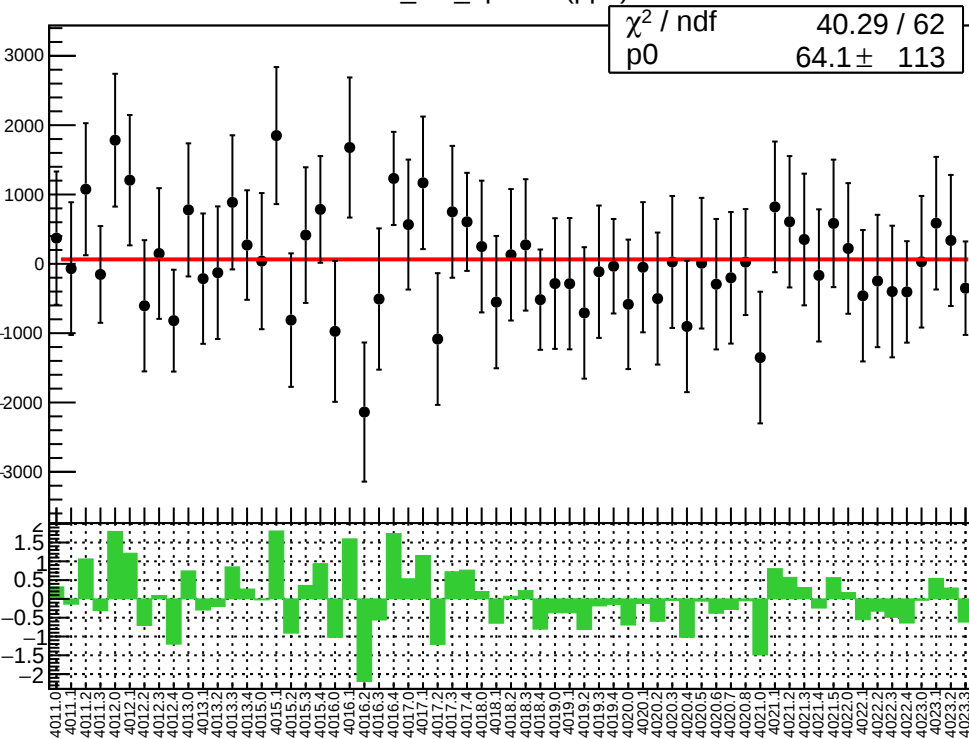
1D pull distribution



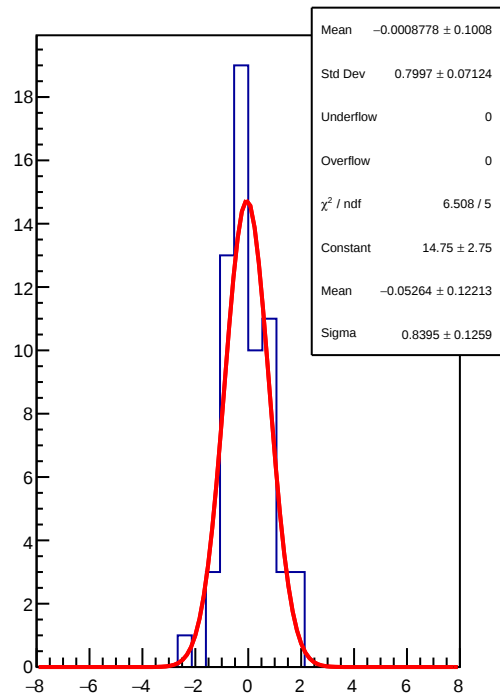
corr\_usr\_bpm4aY RMS (ppm)



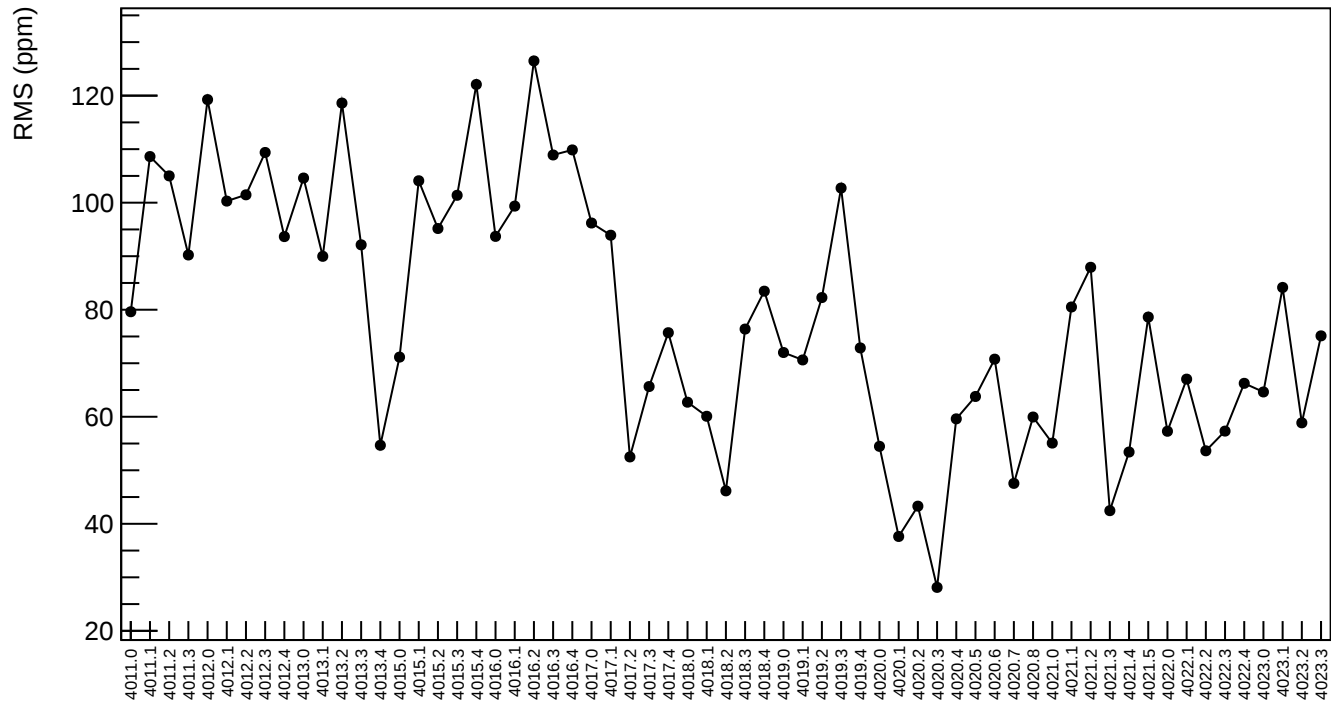
corr\_usr\_bpm1X (ppb)



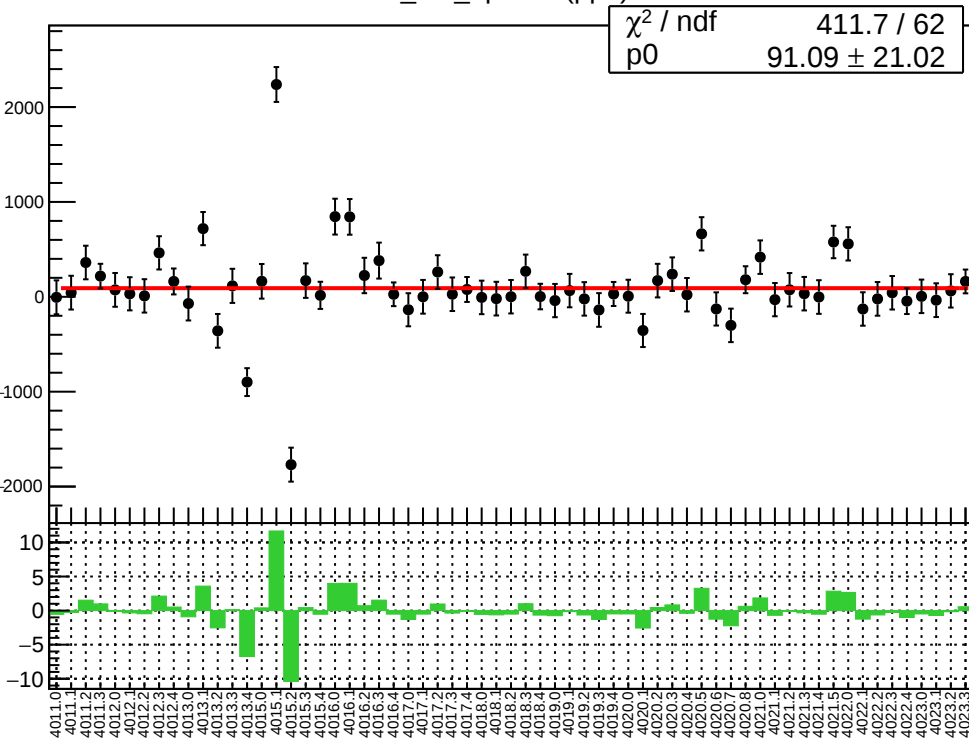
1D pull distribution



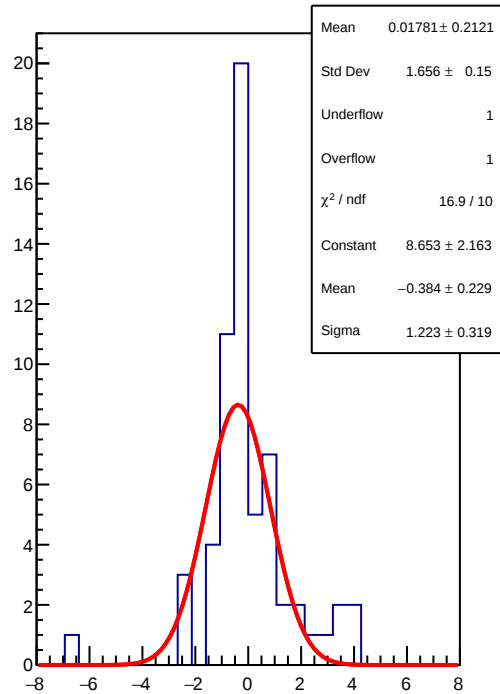
corr\_usr\_bpm1X RMS (ppm)



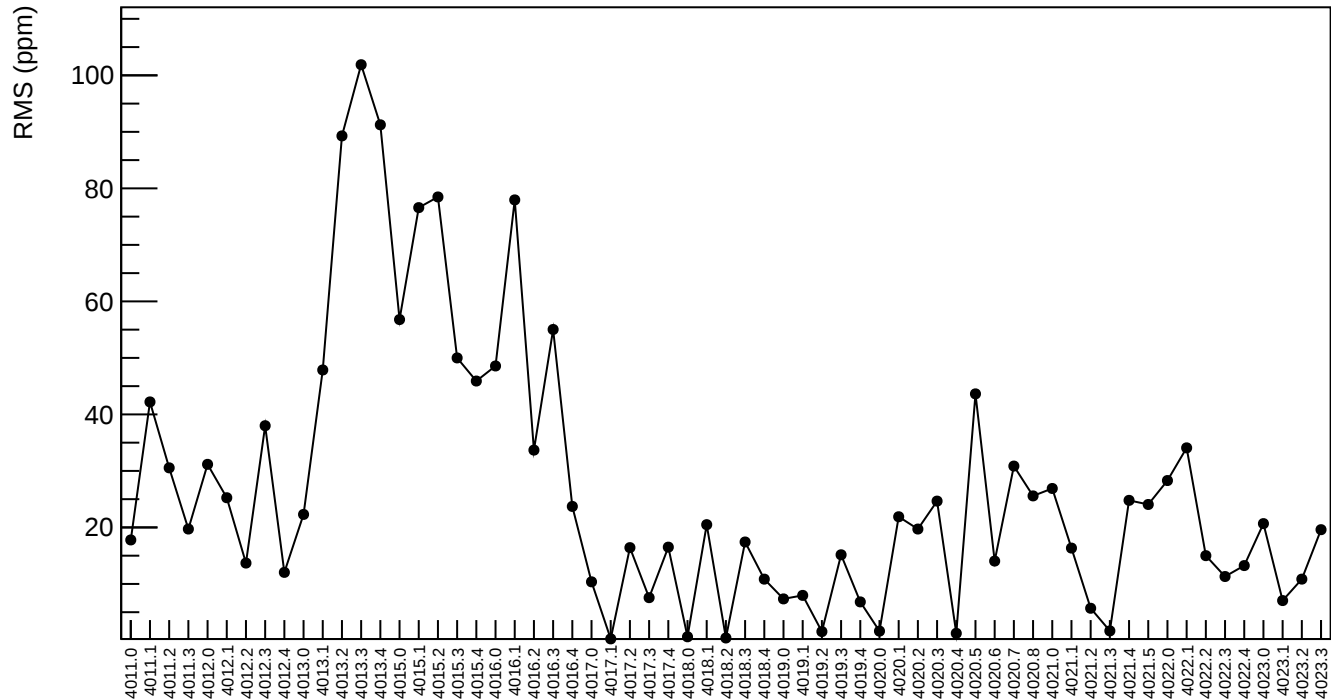
corr\_usr\_bpm1Y (ppb)



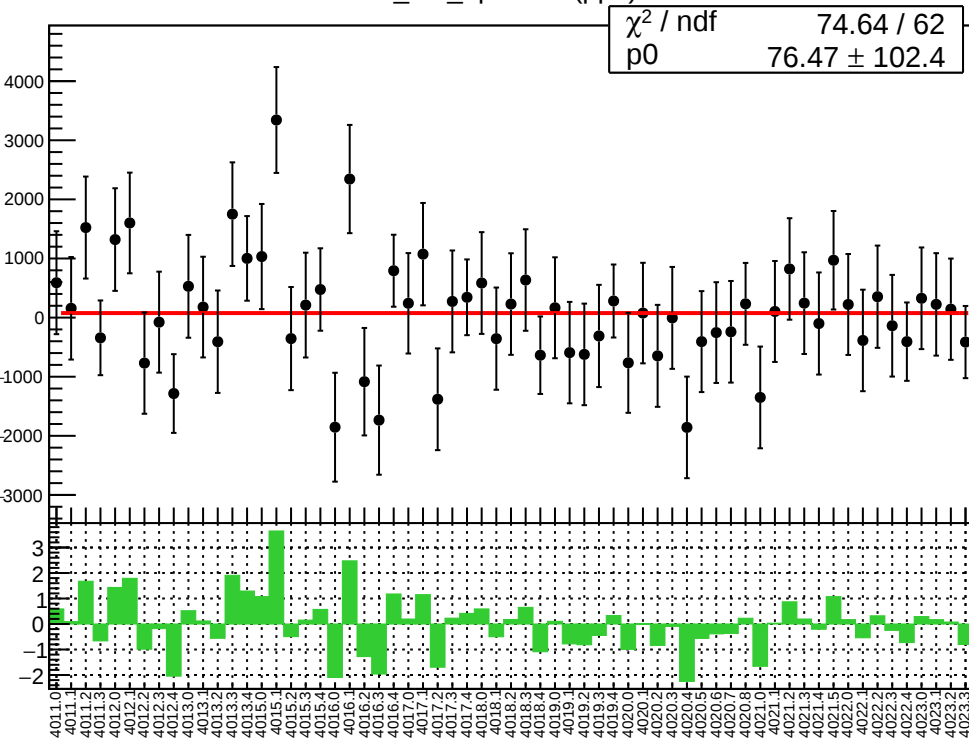
1D pull distribution



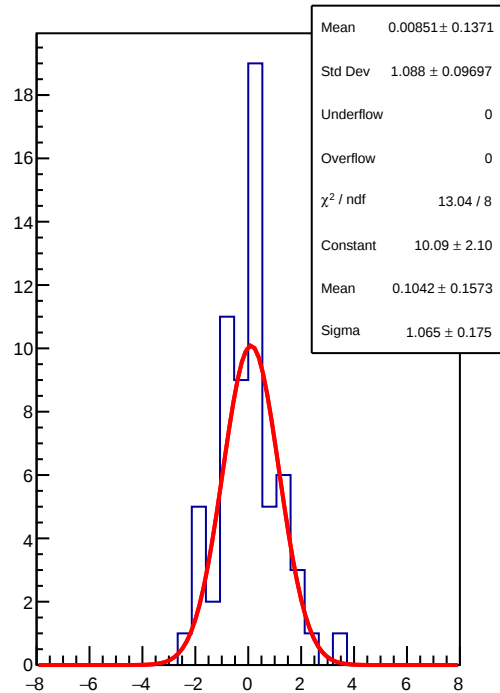
corr\_usr\_bpm1Y RMS (ppm)



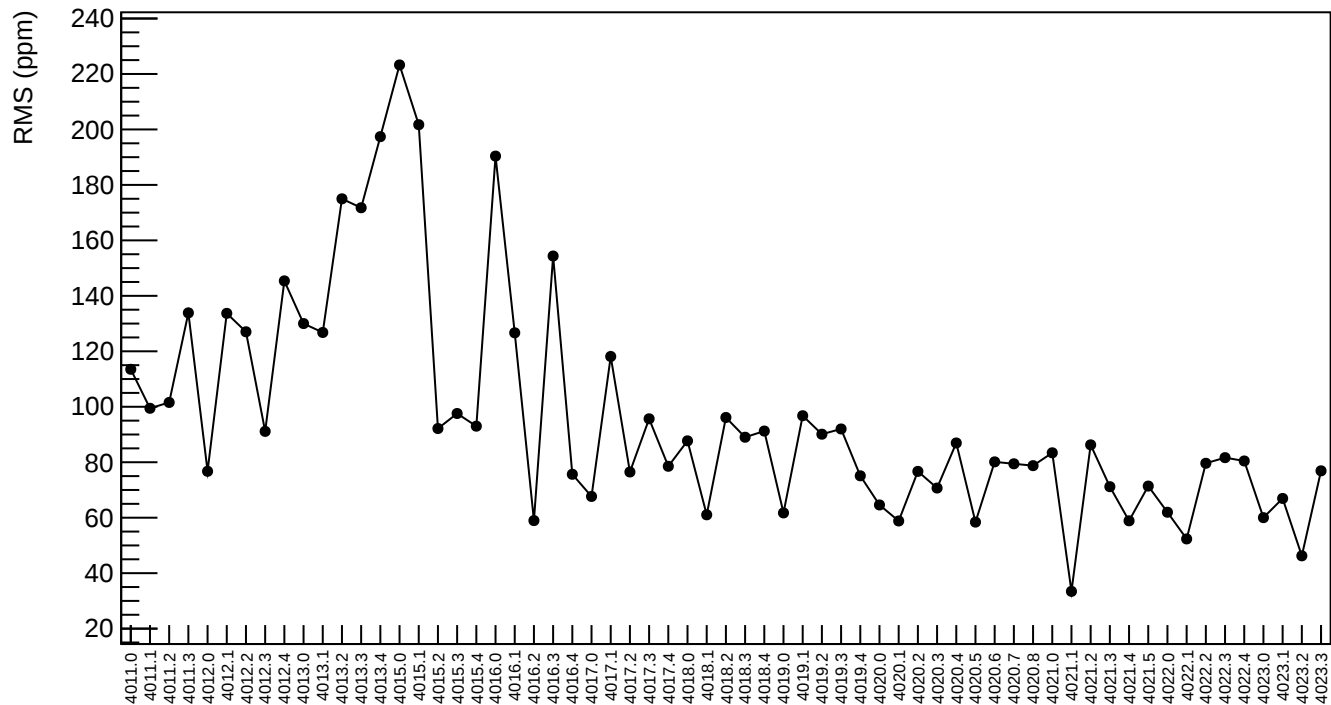
corr\_usr\_bpm16X (ppb)



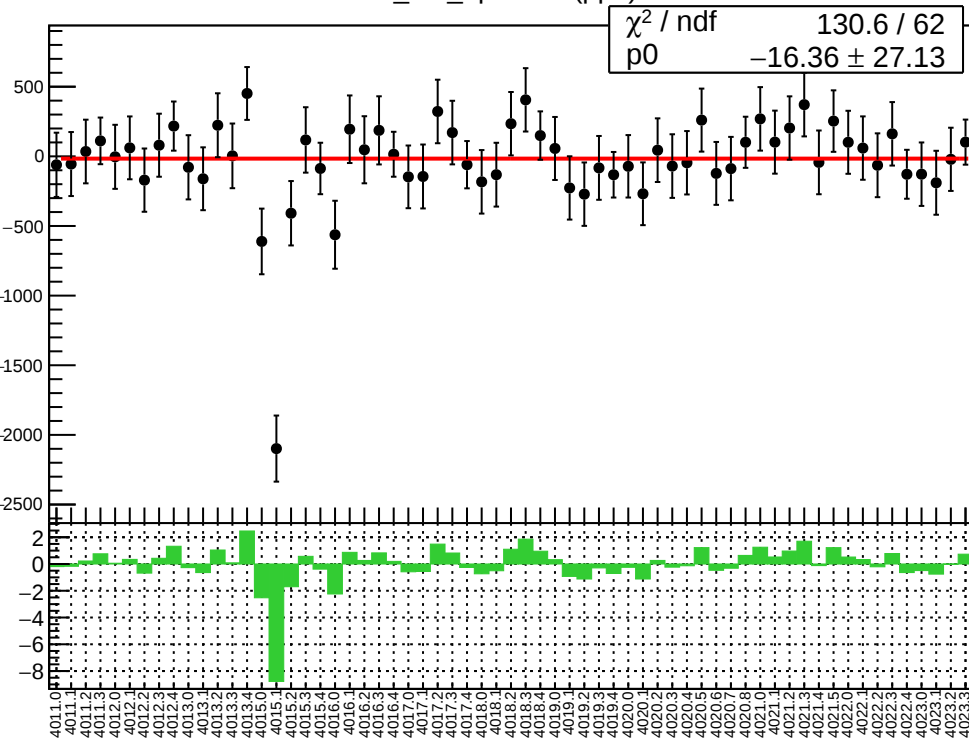
1D pull distribution



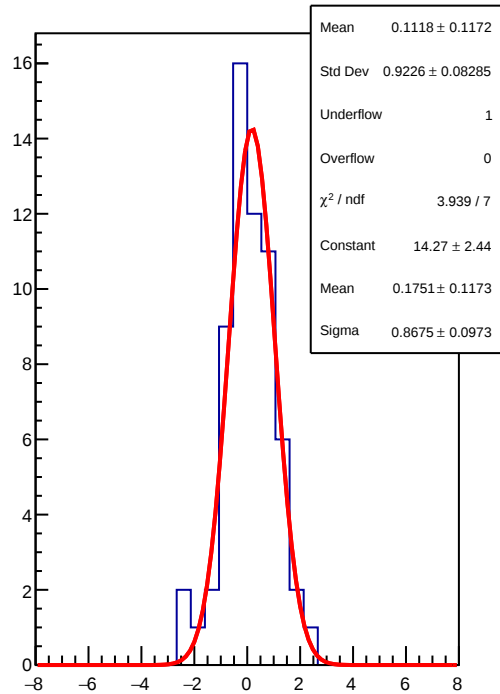
corr\_usr\_bpm16X RMS (ppm)



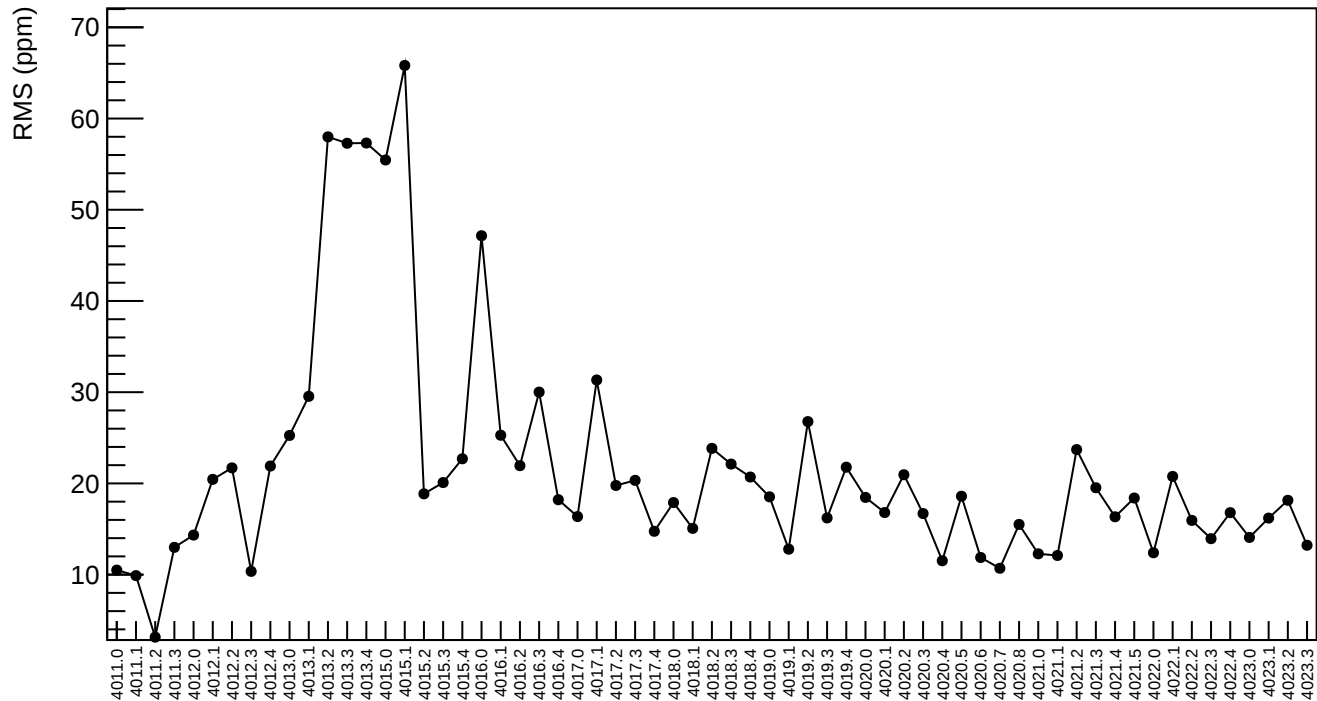
corr\_usr\_bpm16Y (ppb)



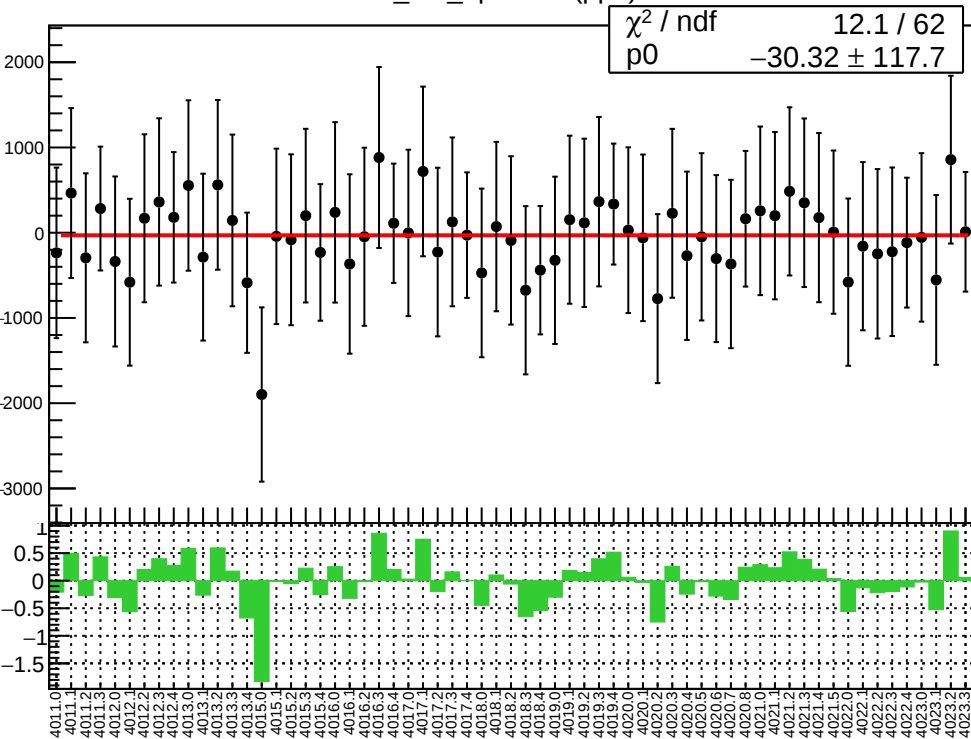
1D pull distribution



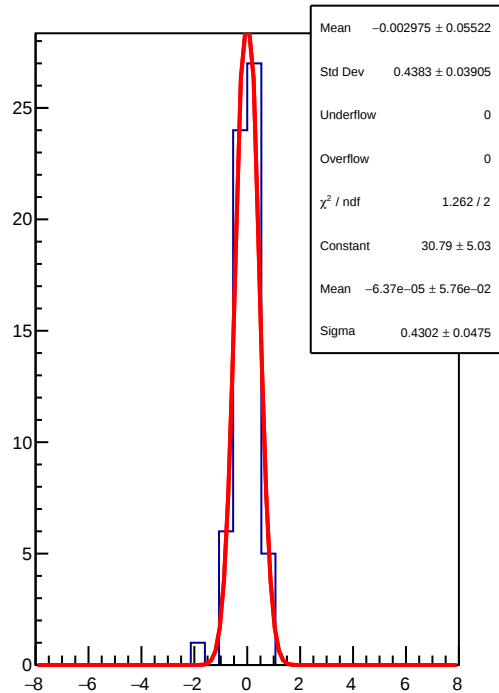
corr\_usr\_bpm16Y RMS (ppm)



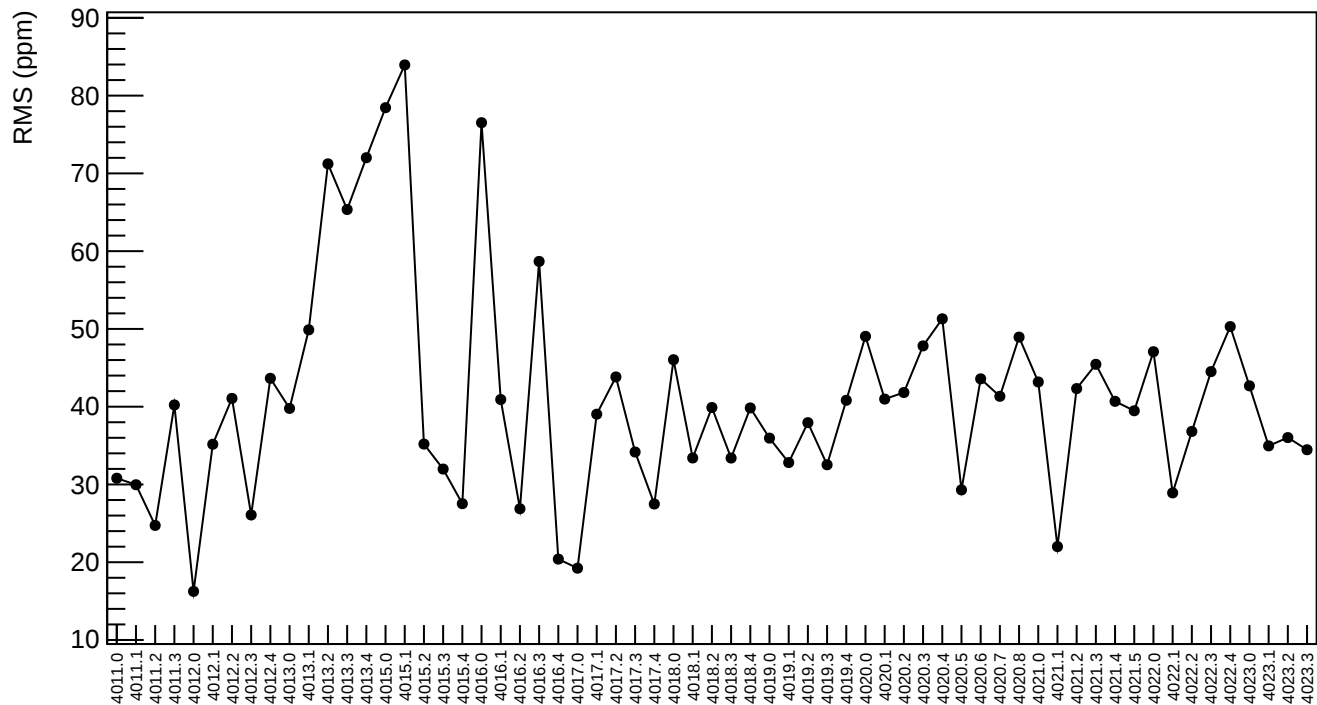
corr\_usr\_bpm12X (ppb)



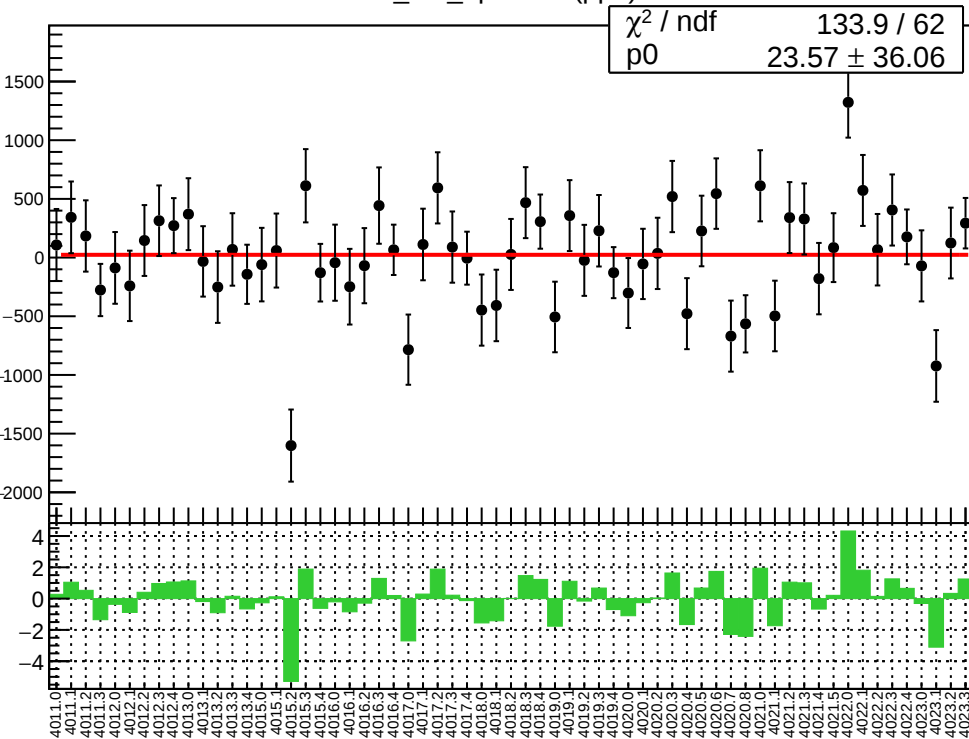
1D pull distribution



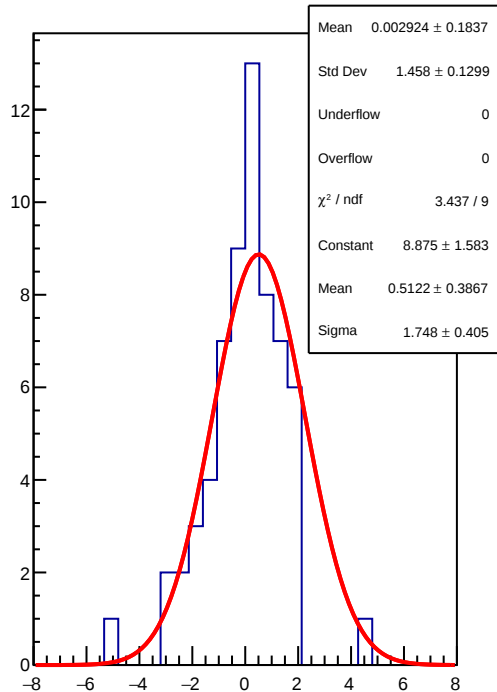
corr\_usr\_bpm12X RMS (ppm)



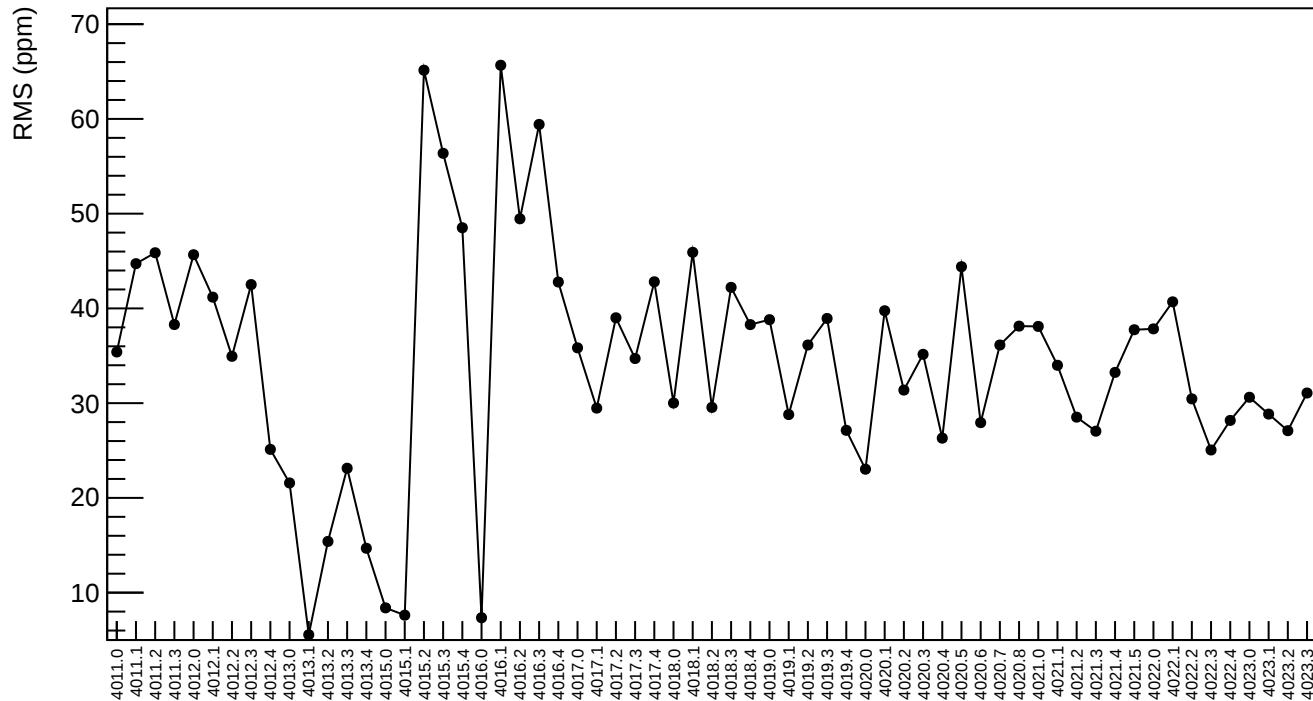
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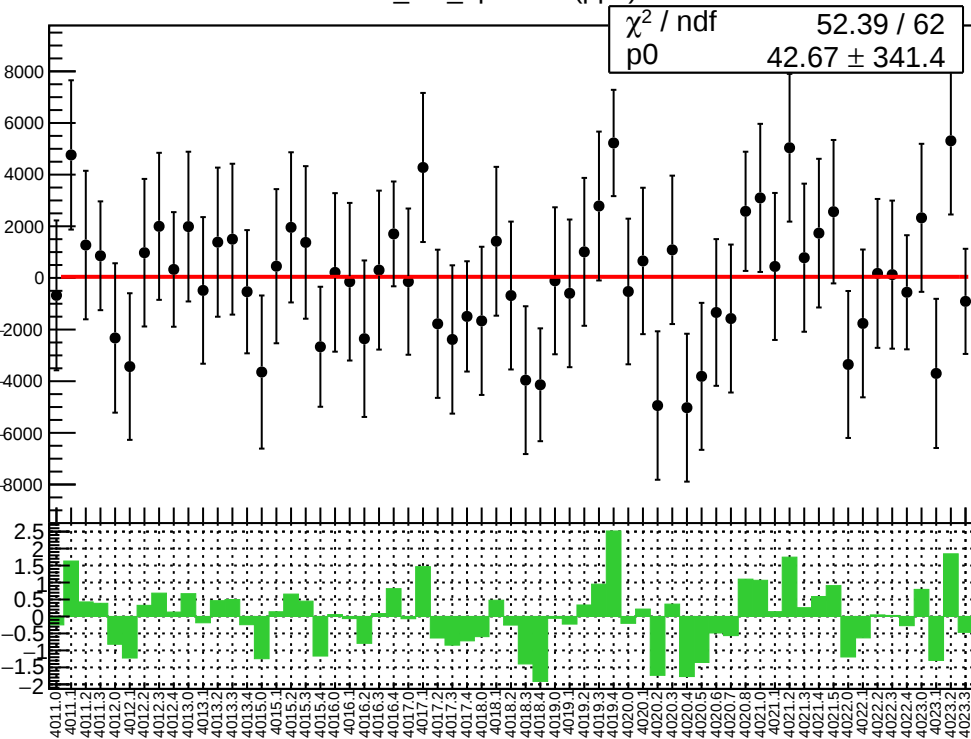
1D pull distribution



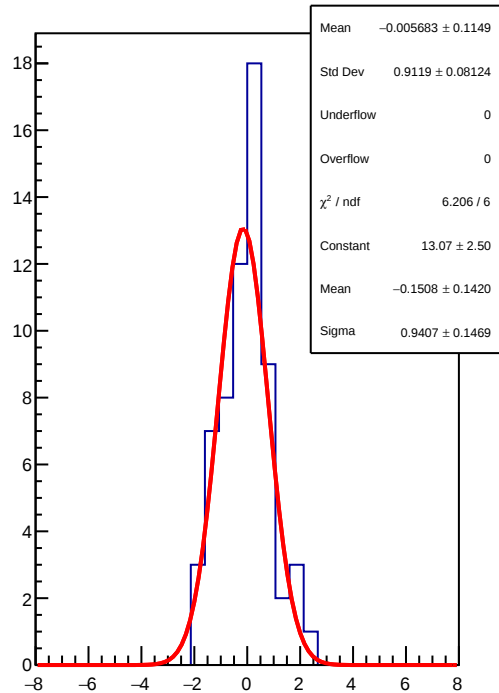
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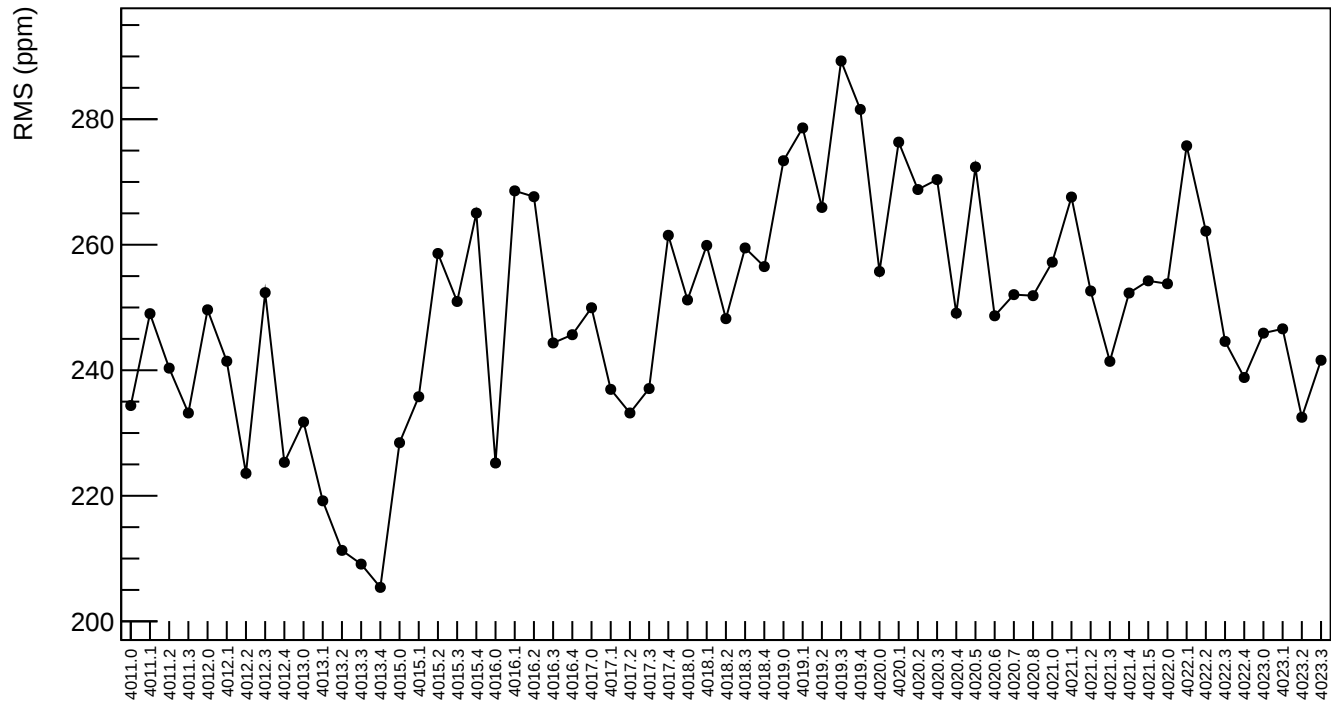
corr\_usr\_bpm11X (ppb)



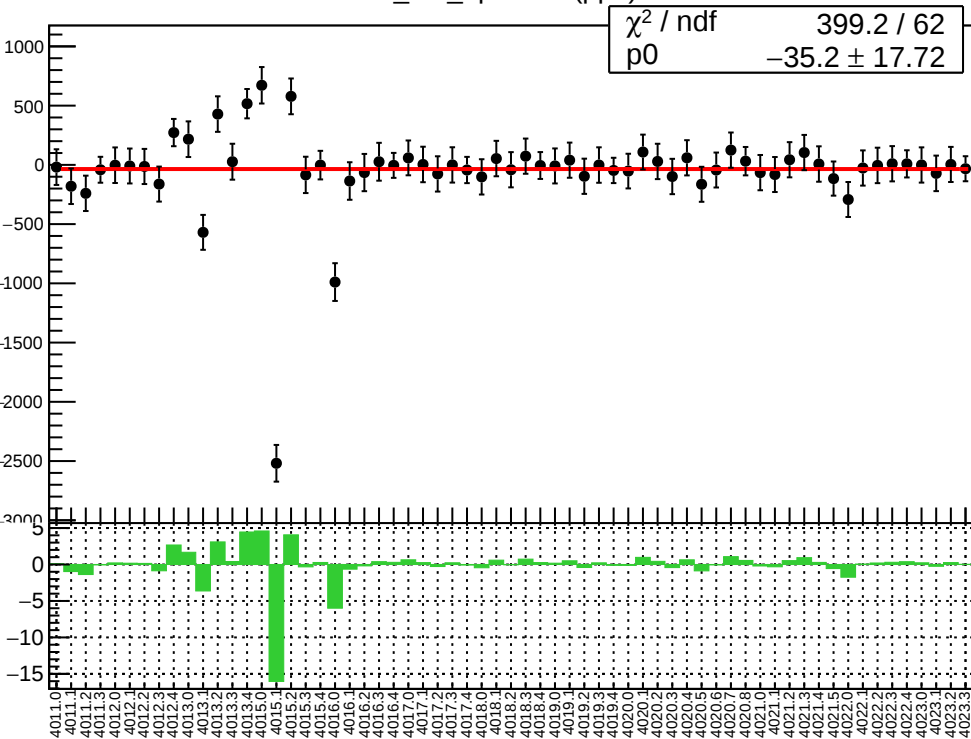
1D pull distribution



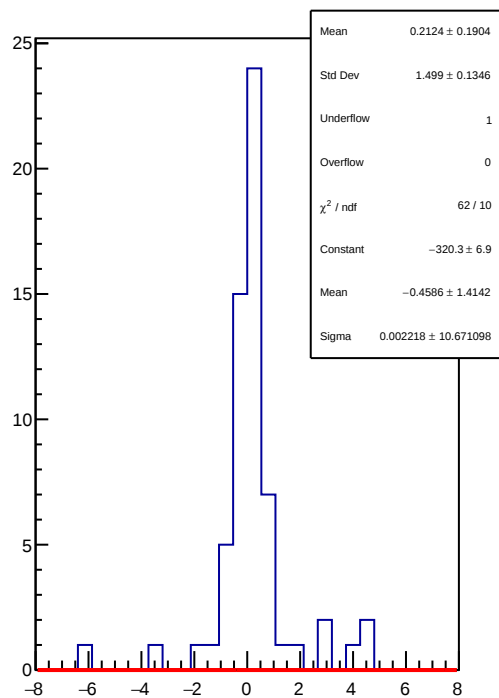
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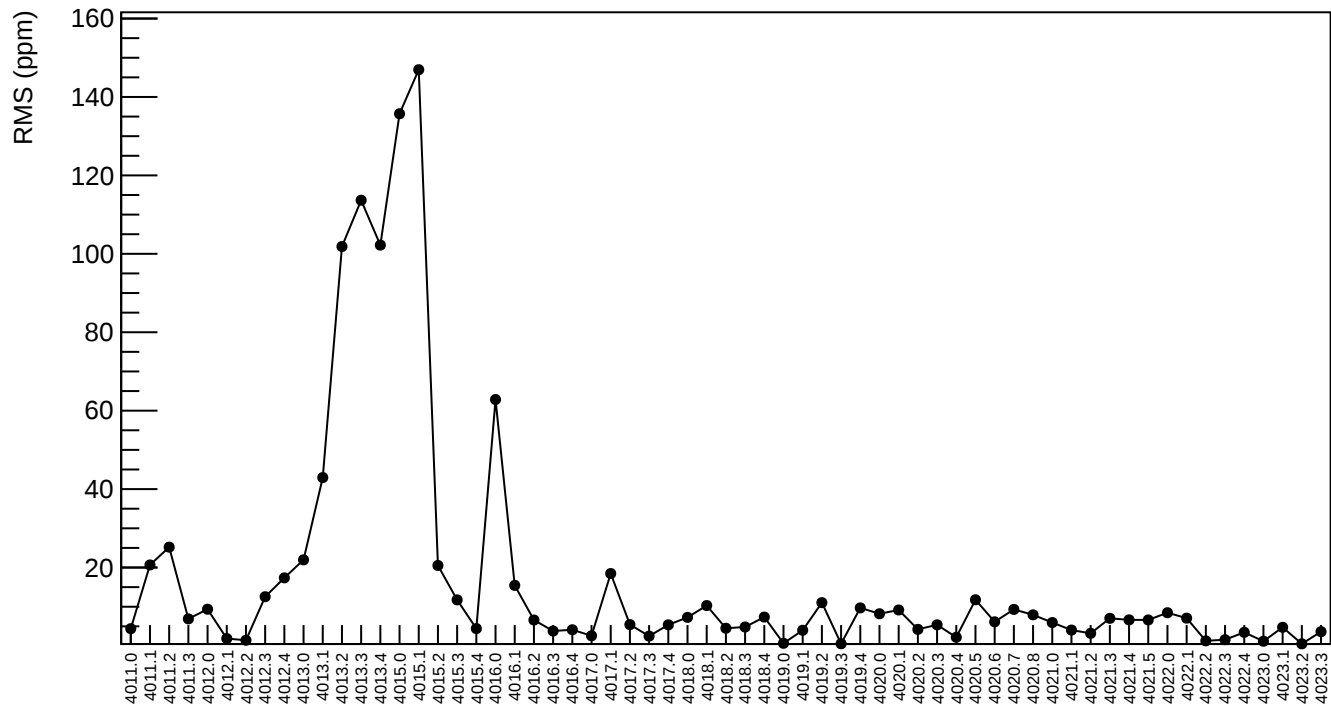
corr\_usr\_bpm11Y (ppb)



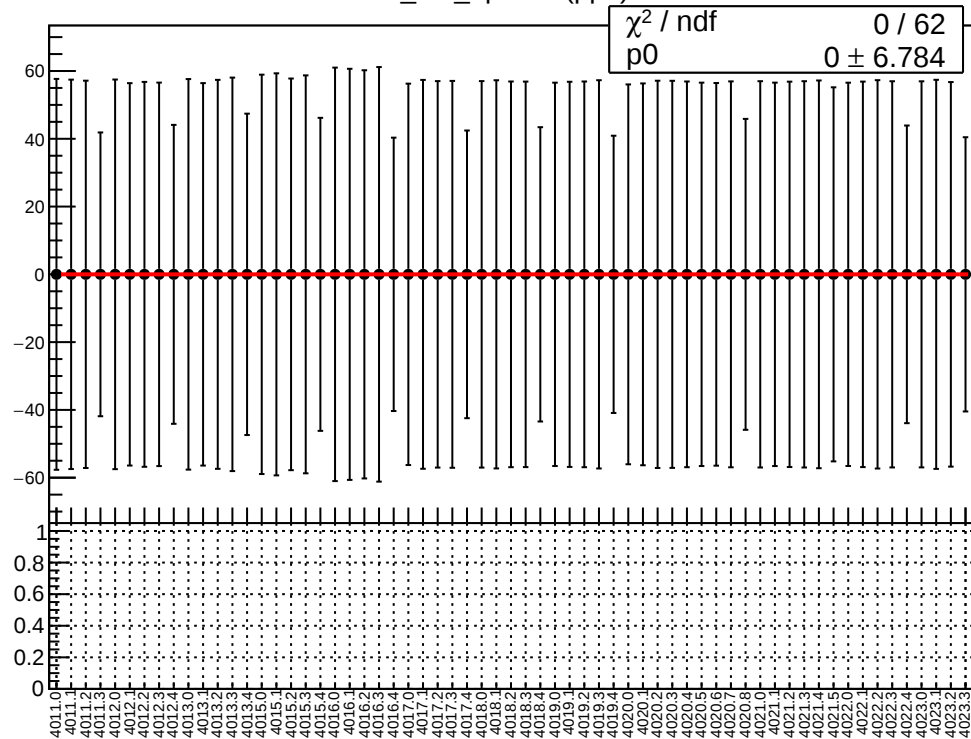
1D pull distribution



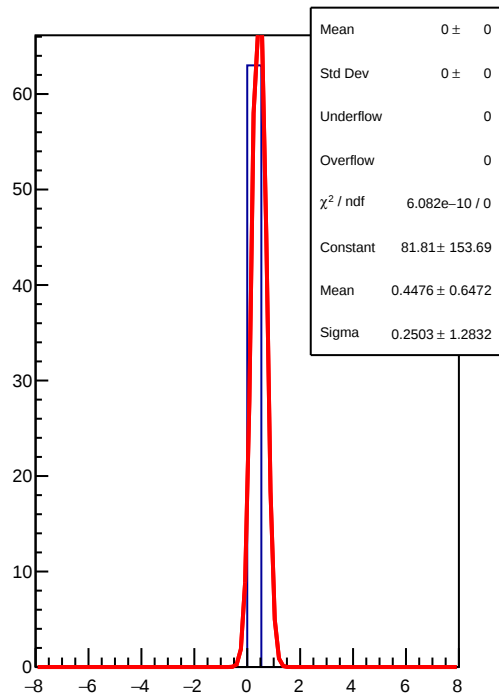
corr\_usr\_bpm11Y RMS (ppm)



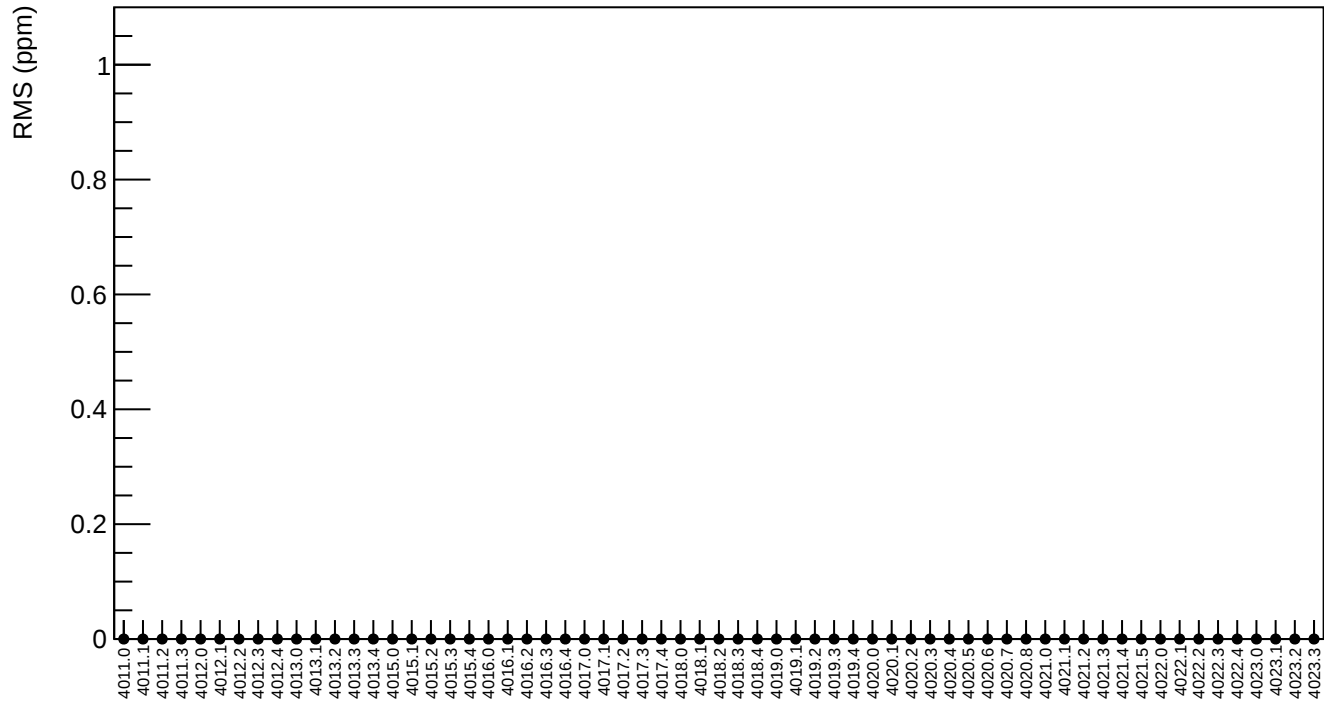
corr\_usr\_bpm8X (ppb)



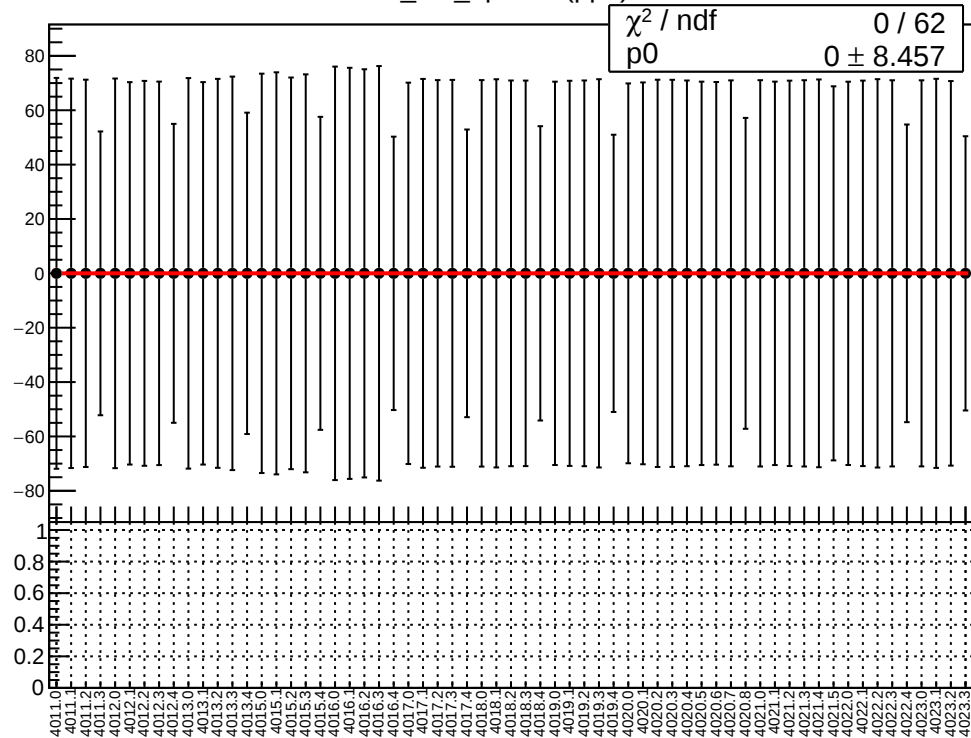
1D pull distribution



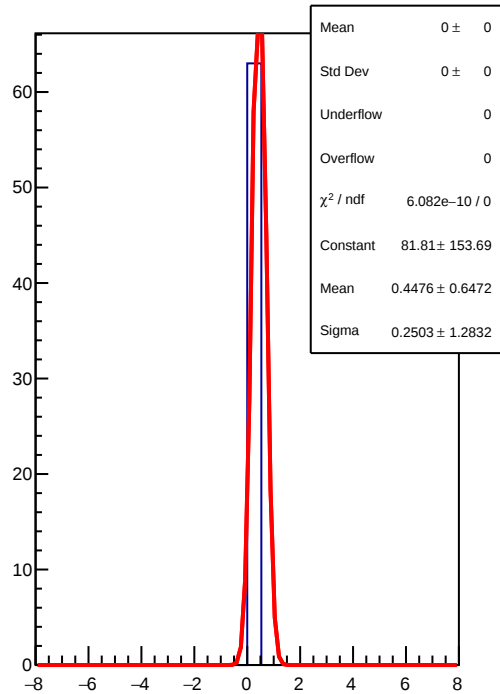
corr\_usr\_bpm8X RMS (ppm)



corr\_usr\_bpm8Y (ppb)



1D pull distribution



corr\_usr\_bpm8Y RMS (ppm)

