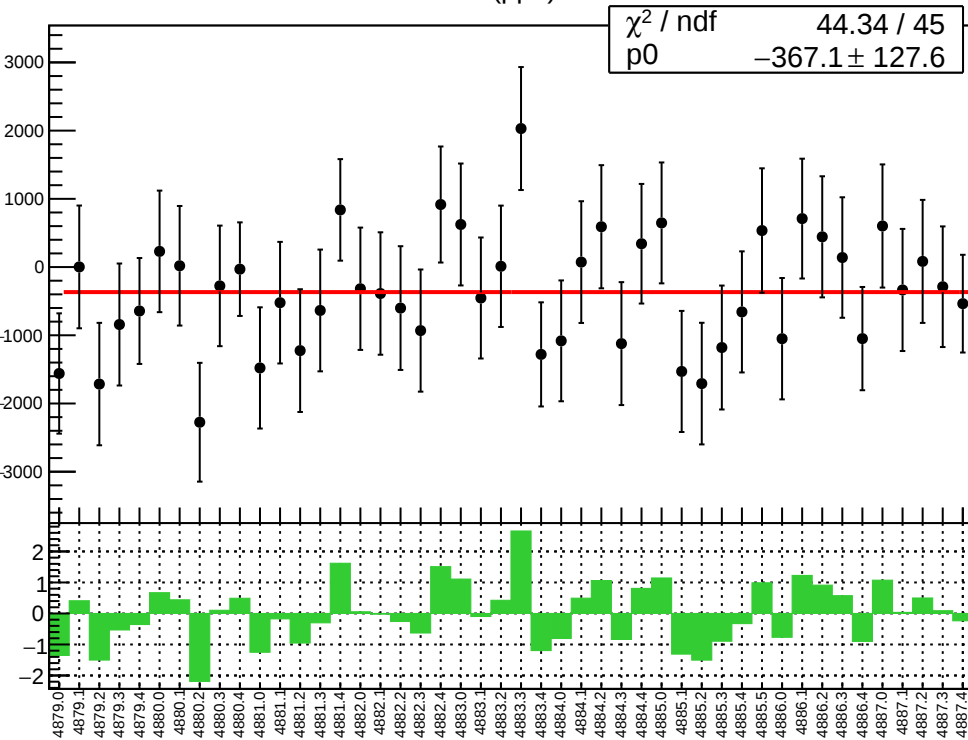
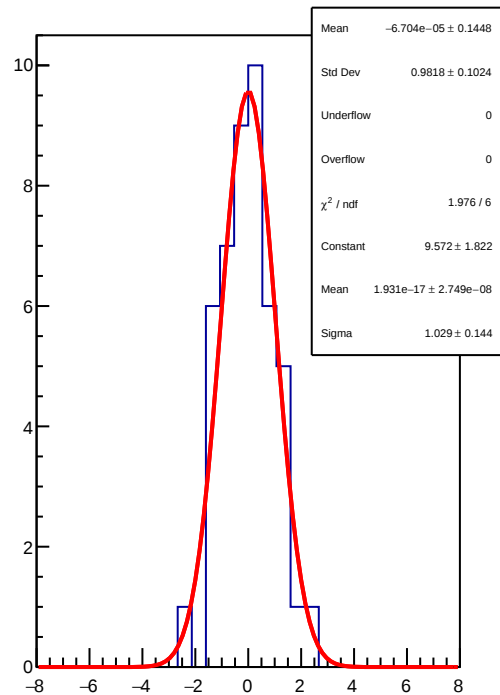


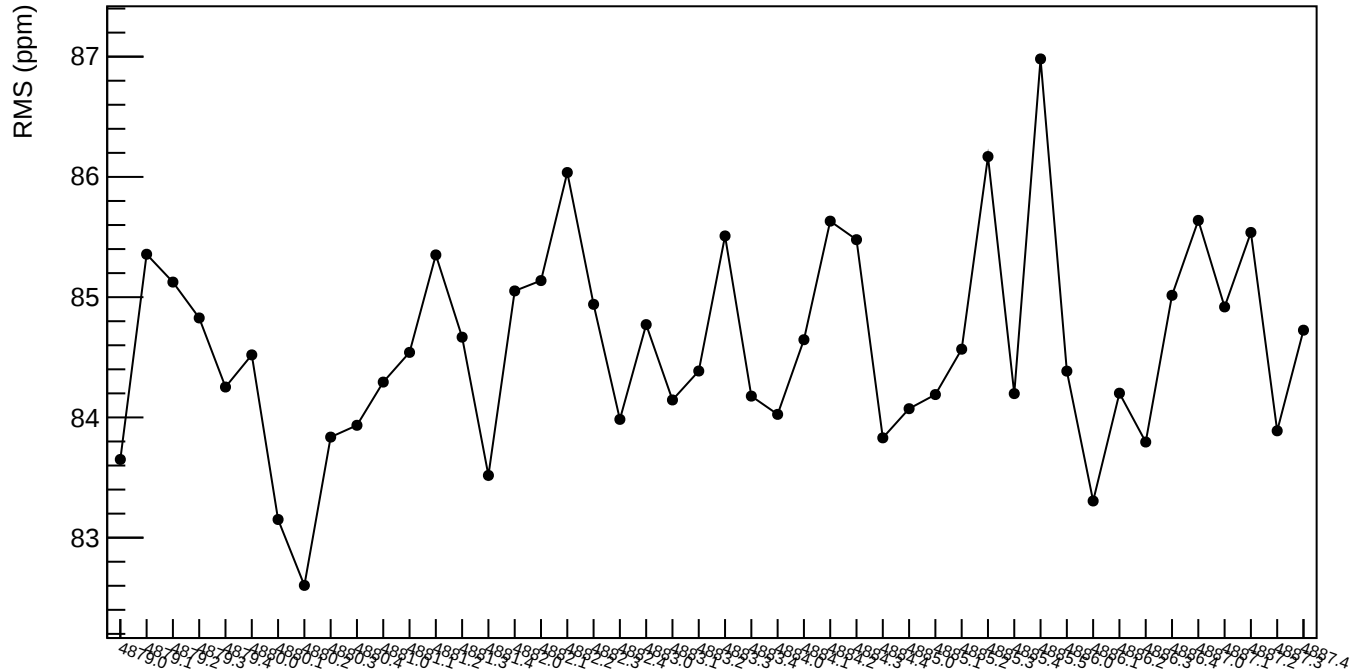
Adet (ppb)



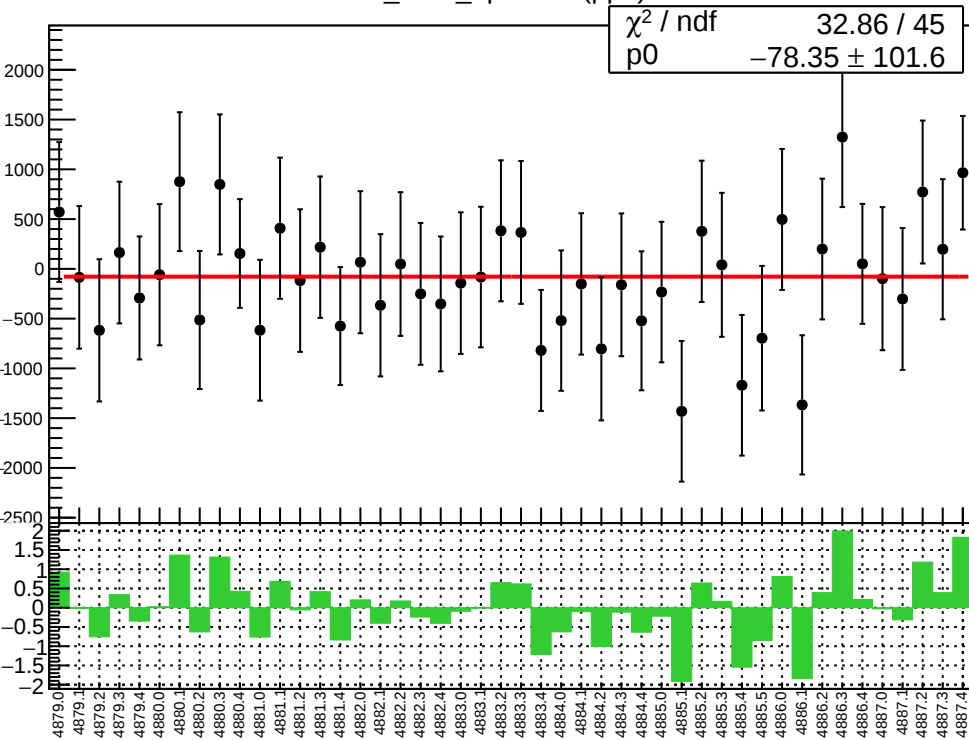
1D pull distribution



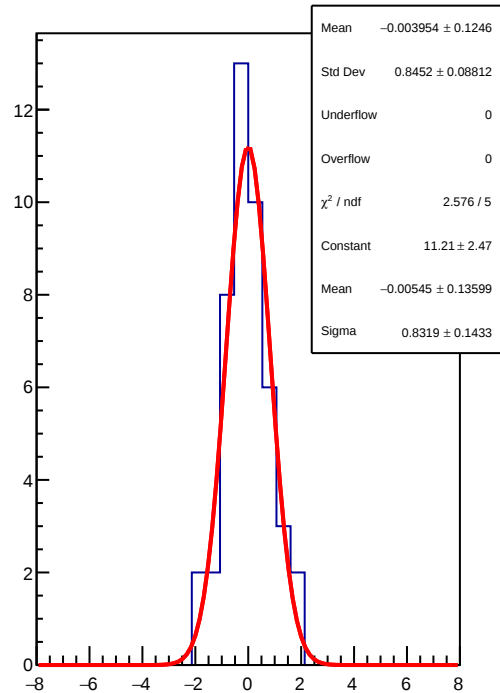
# Adet RMS (ppm)



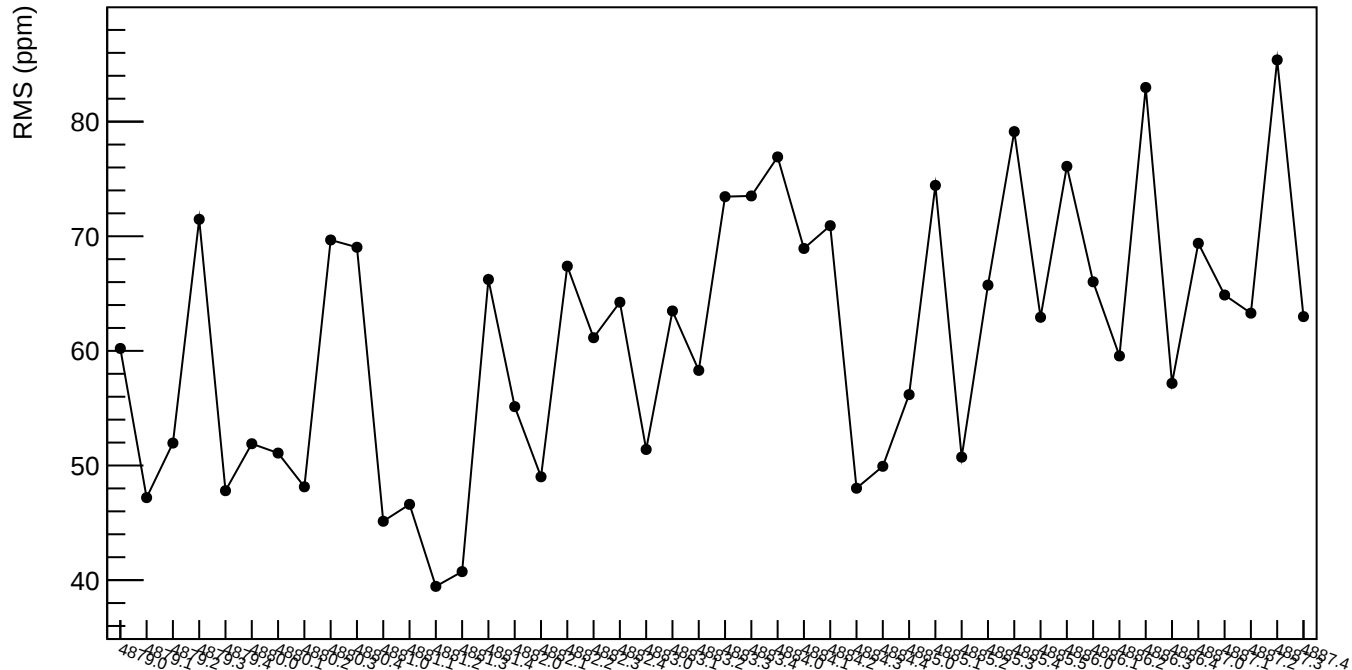
corr\_Adet\_bpm4eX (ppb)



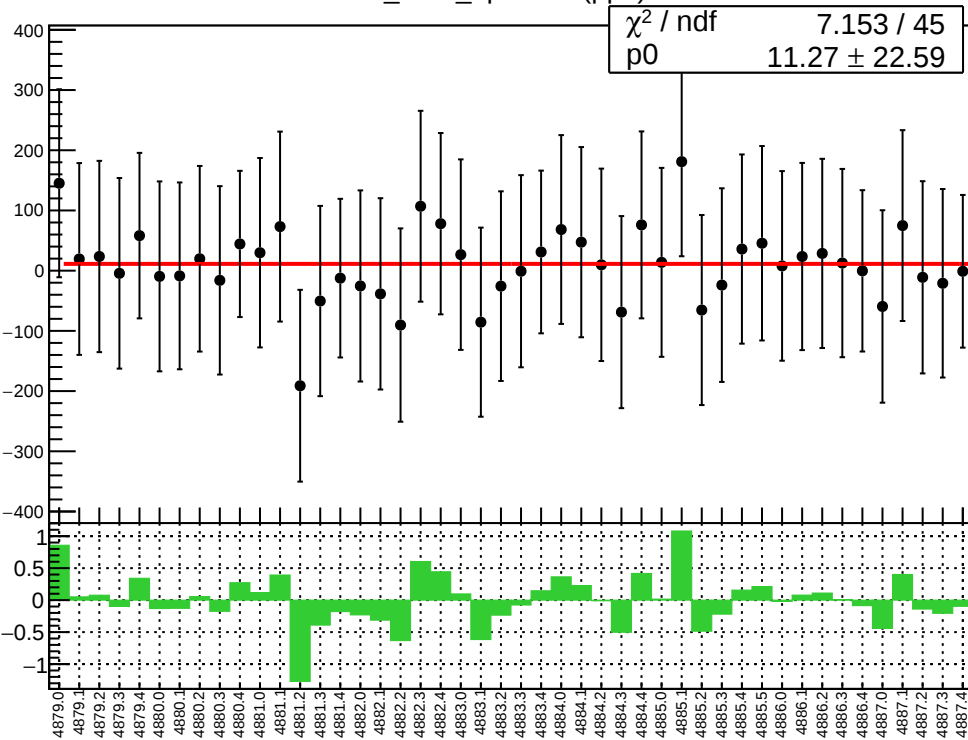
1D pull distribution



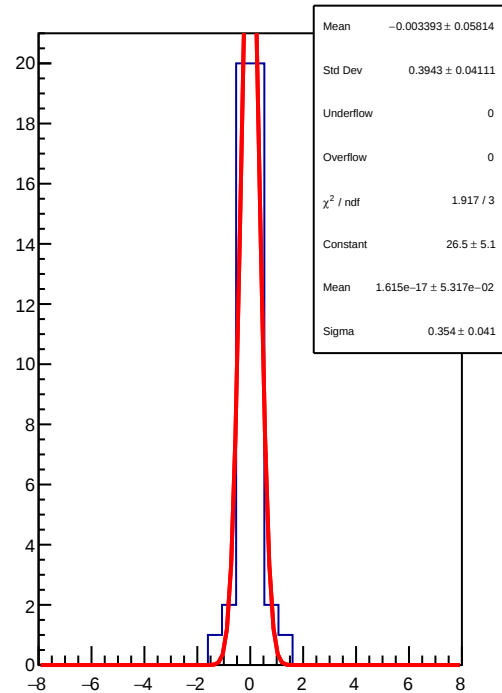
corr\_Adet\_bpm4eX RMS (ppm)



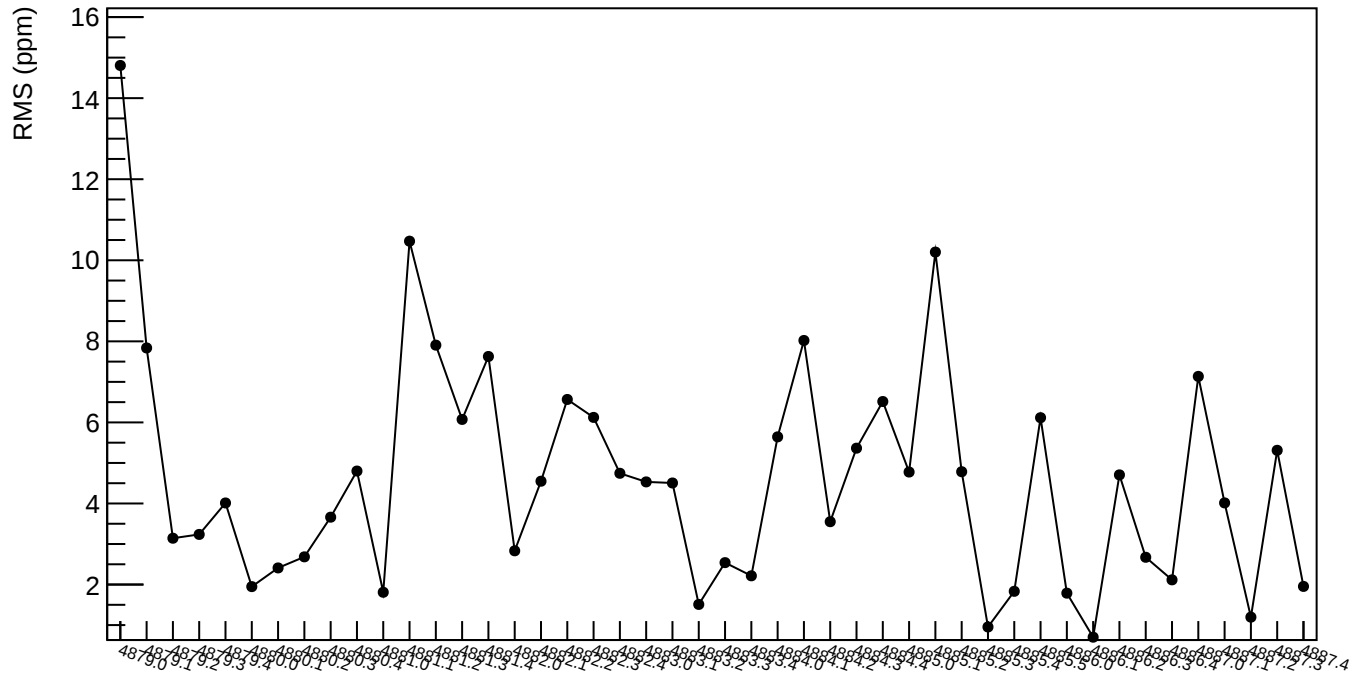
corr\_Adet\_bpm4eY (ppb)



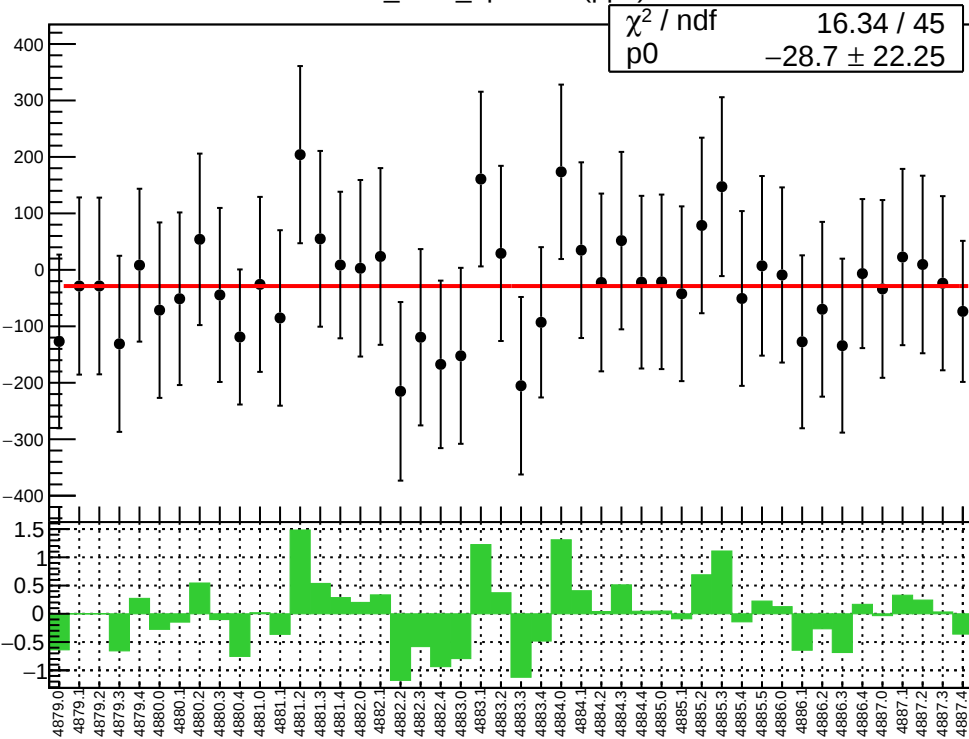
1D pull distribution



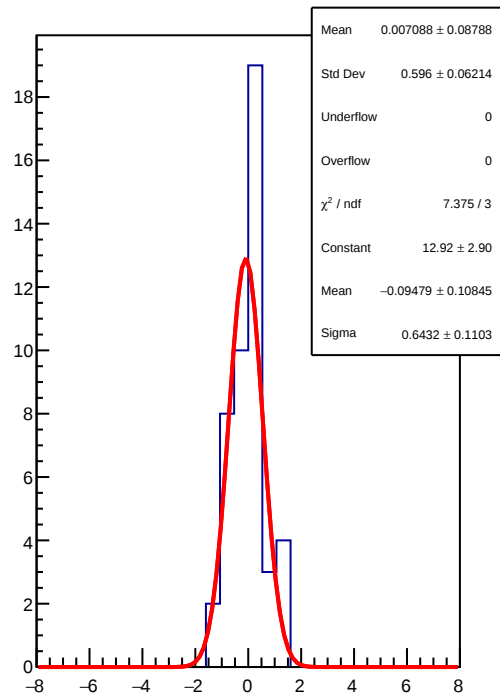
corr\_Adet\_bpm4eY RMS (ppm)



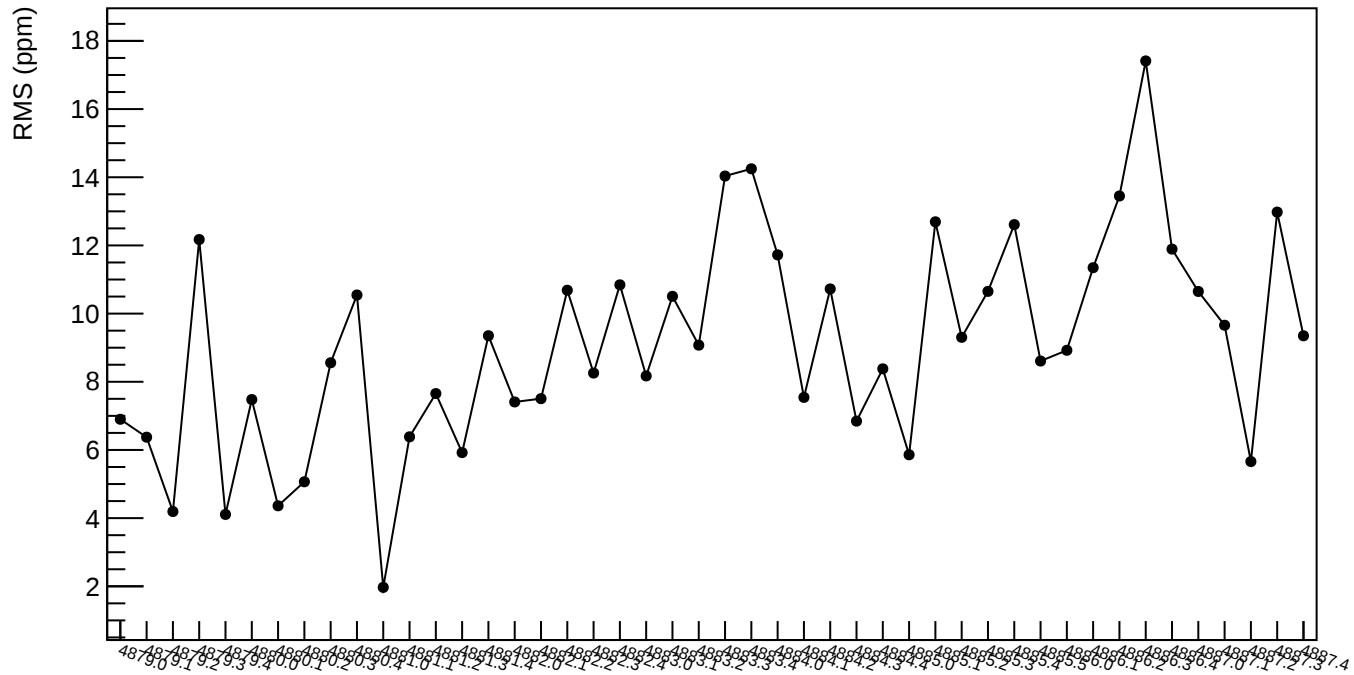
corr\_Adet\_bpm4aX (ppb)



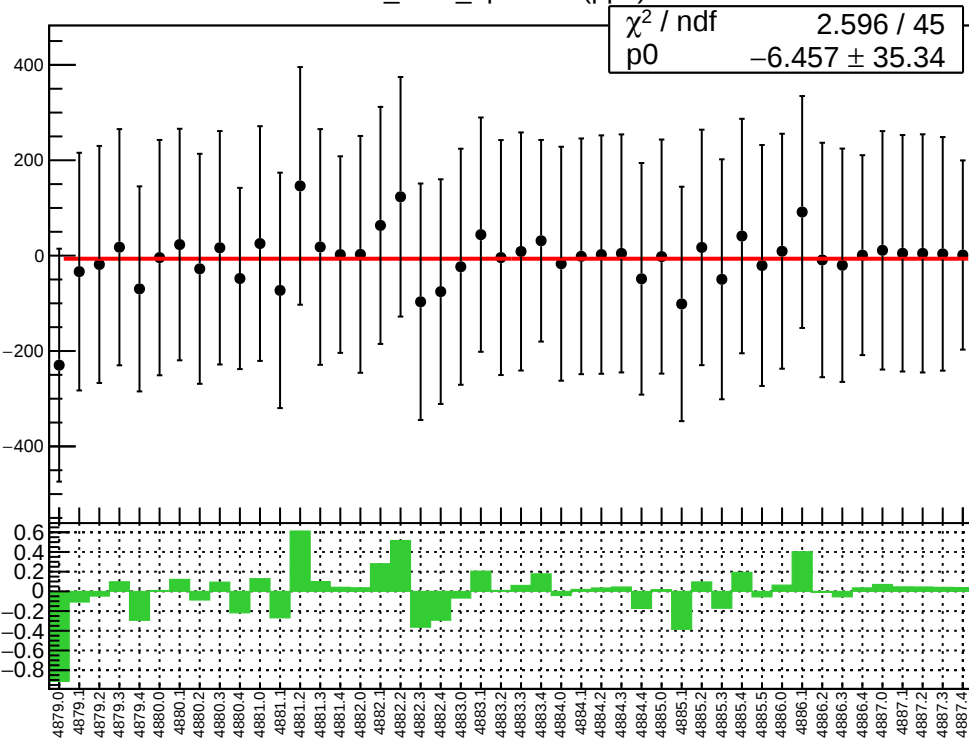
1D pull distribution



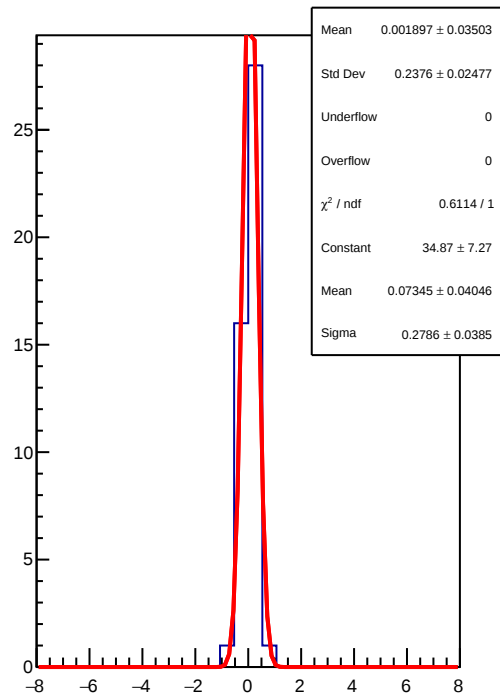
corr\_Adet\_bpm4aX RMS (ppm)



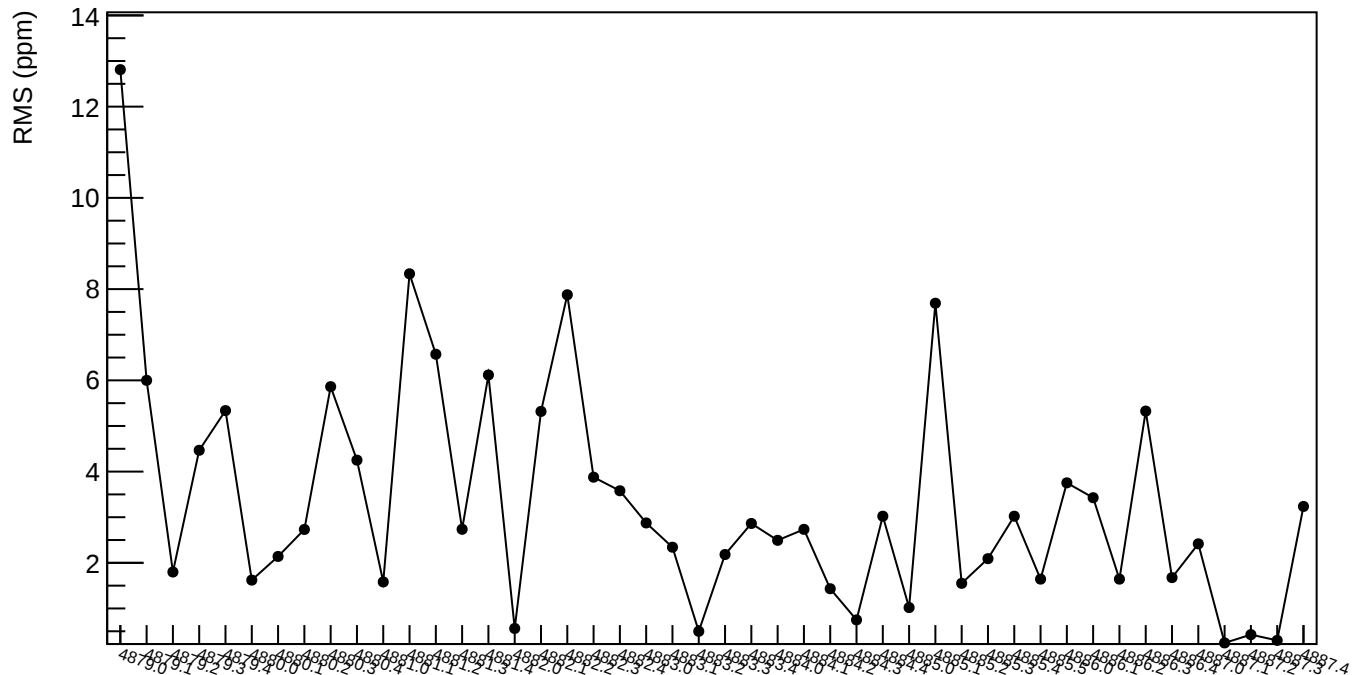
corr\_Adet\_bpm4aY (ppb)



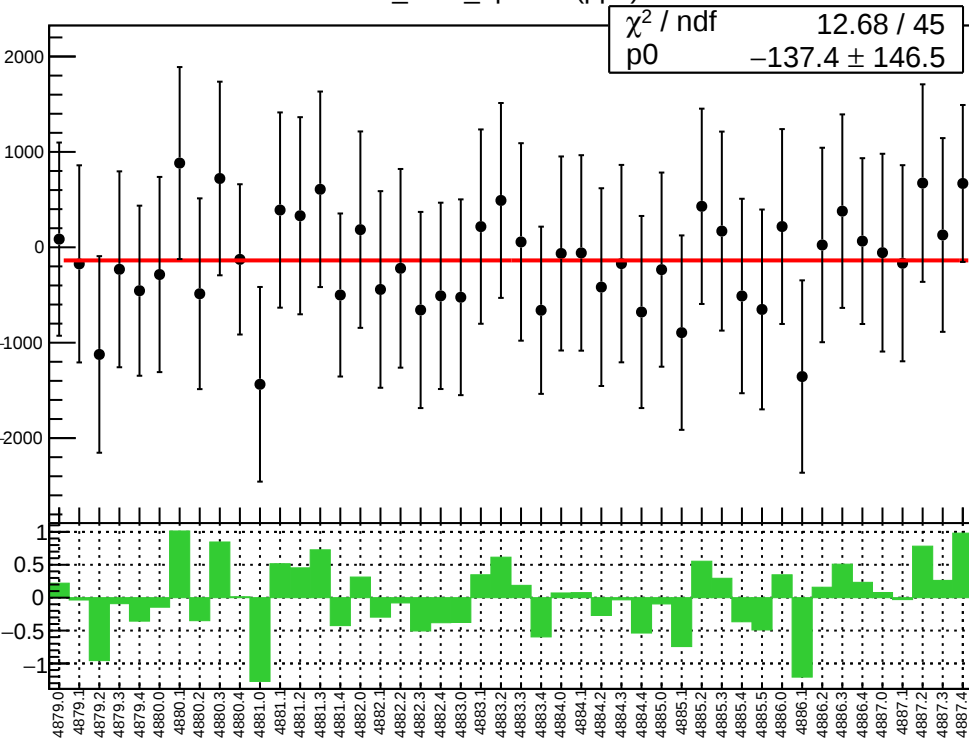
1D pull distribution



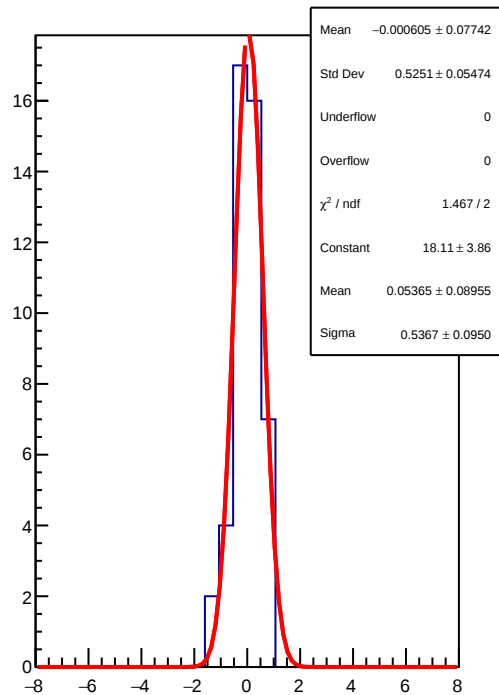
corr\_Adet\_bpm4aY RMS (ppm)



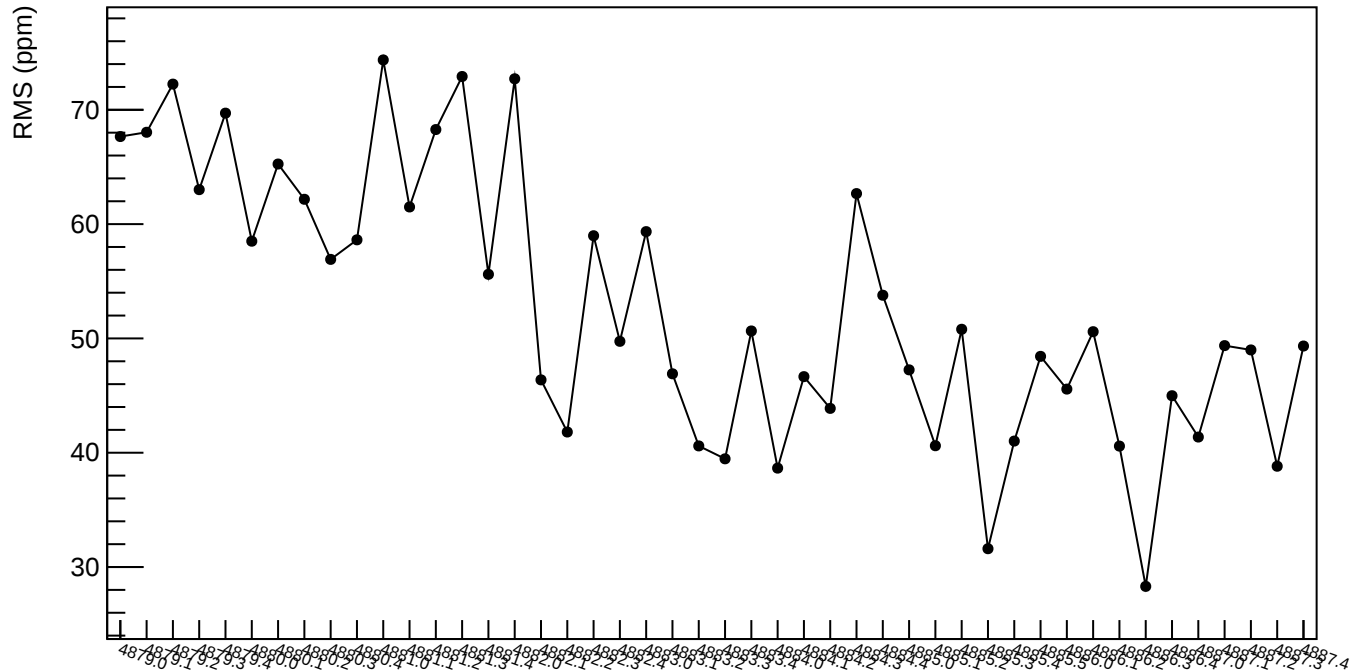
corr\_Adet\_bpm1X (ppb)



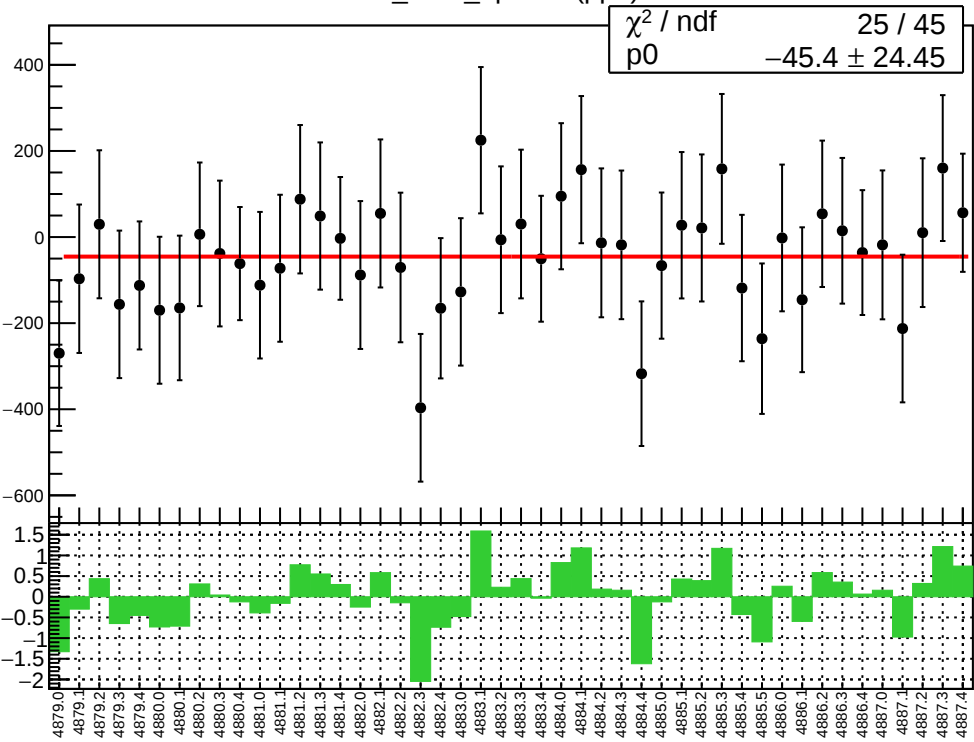
1D pull distribution



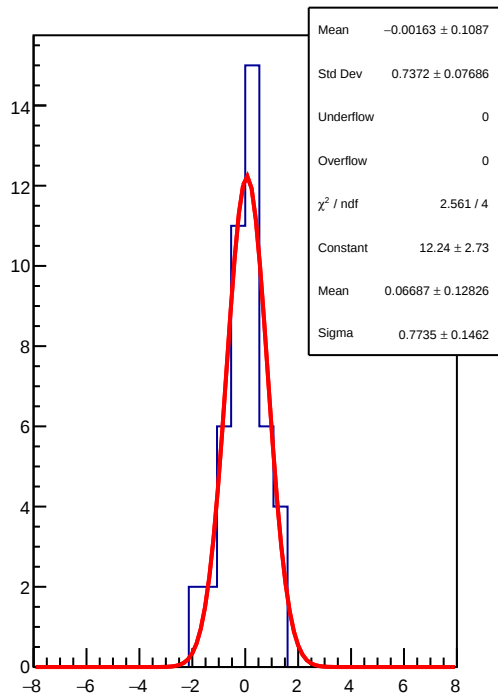
corr\_Adet\_bpm1X RMS (ppm)



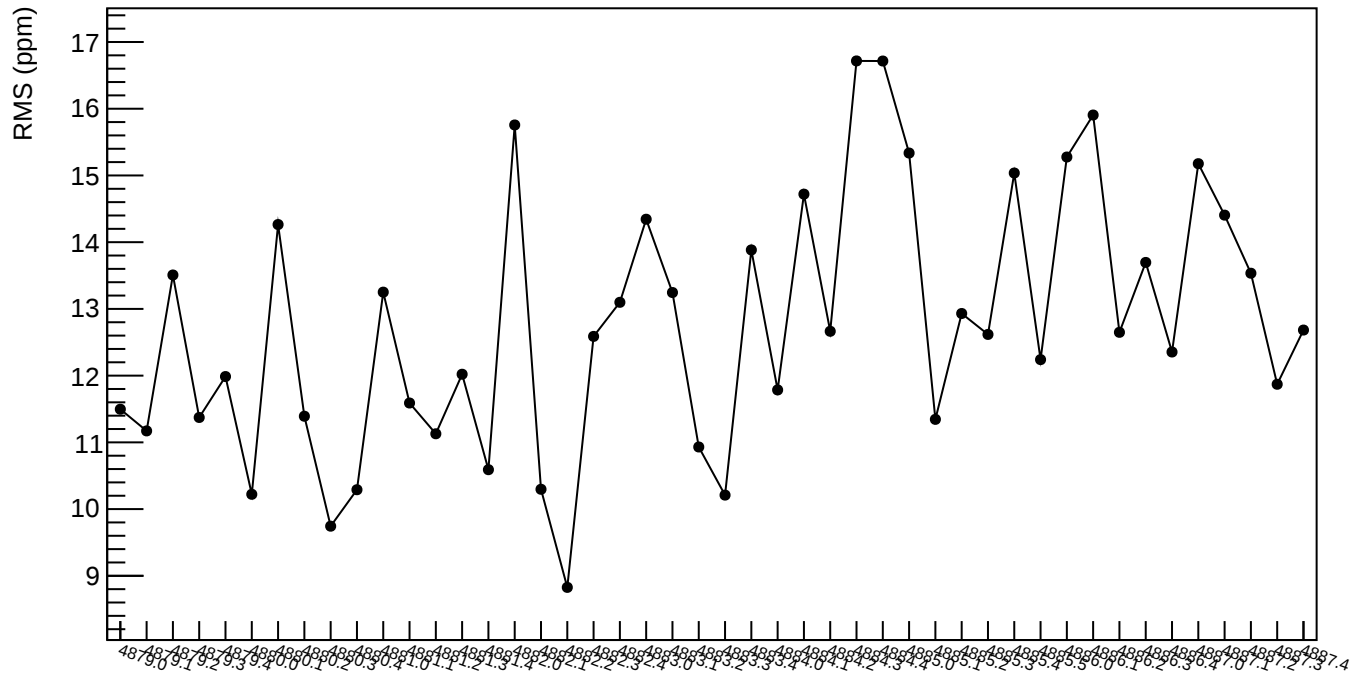
corr\_Adet\_bpm1Y (ppb)



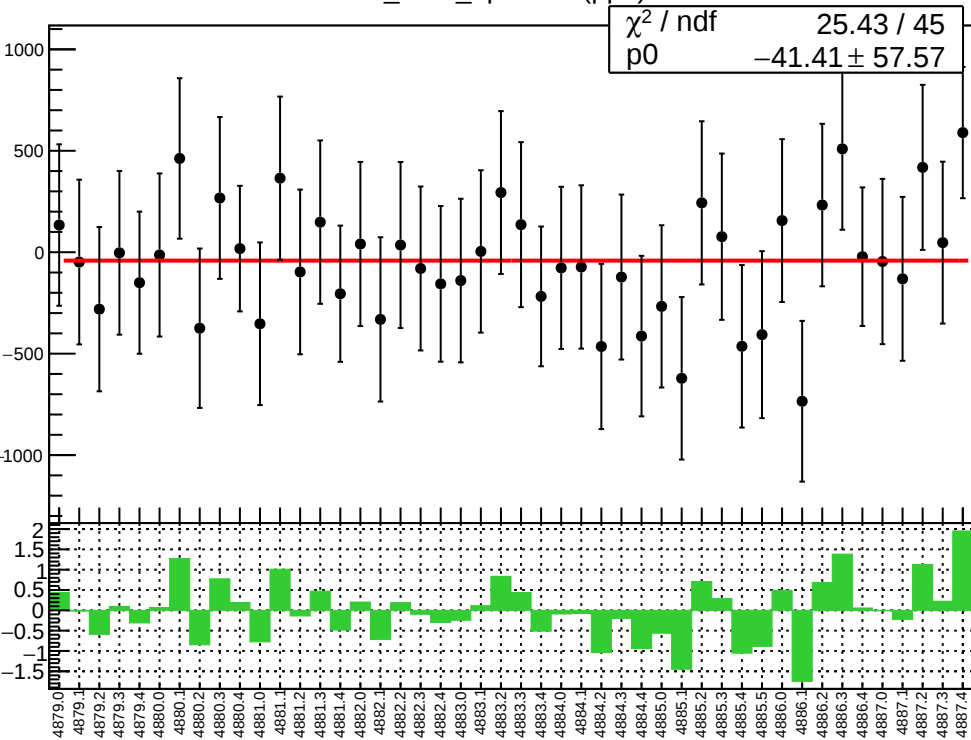
1D pull distribution



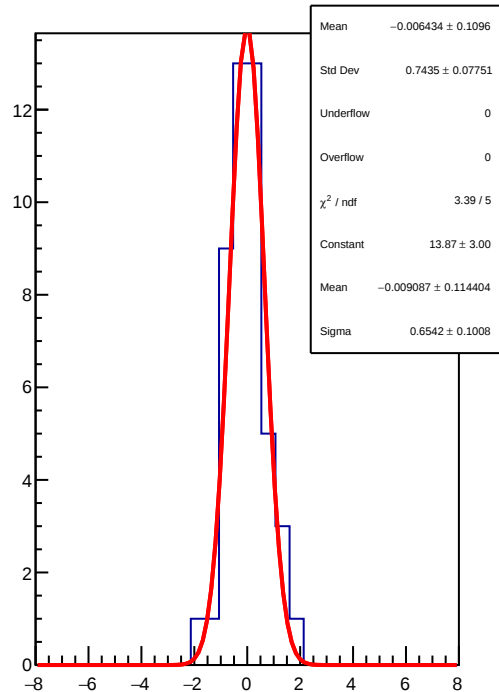
corr\_Adet\_bpm1Y RMS (ppm)



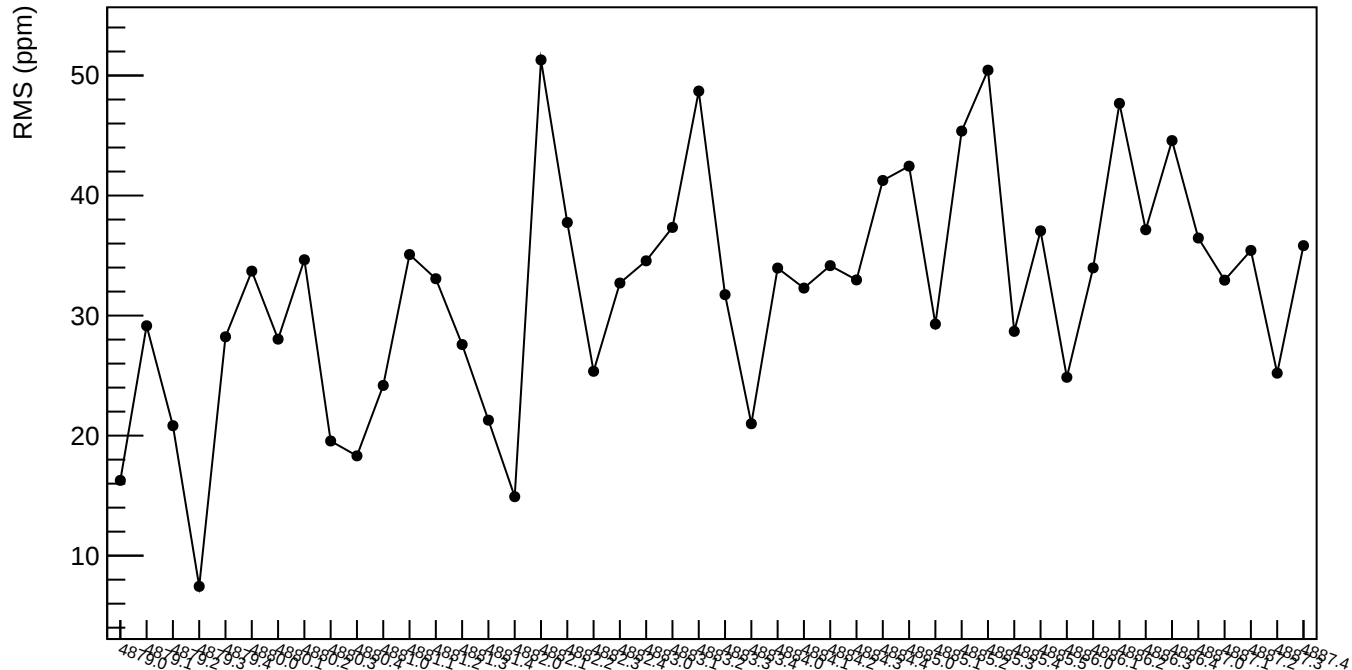
corr\_Adet\_bpm16X (ppb)



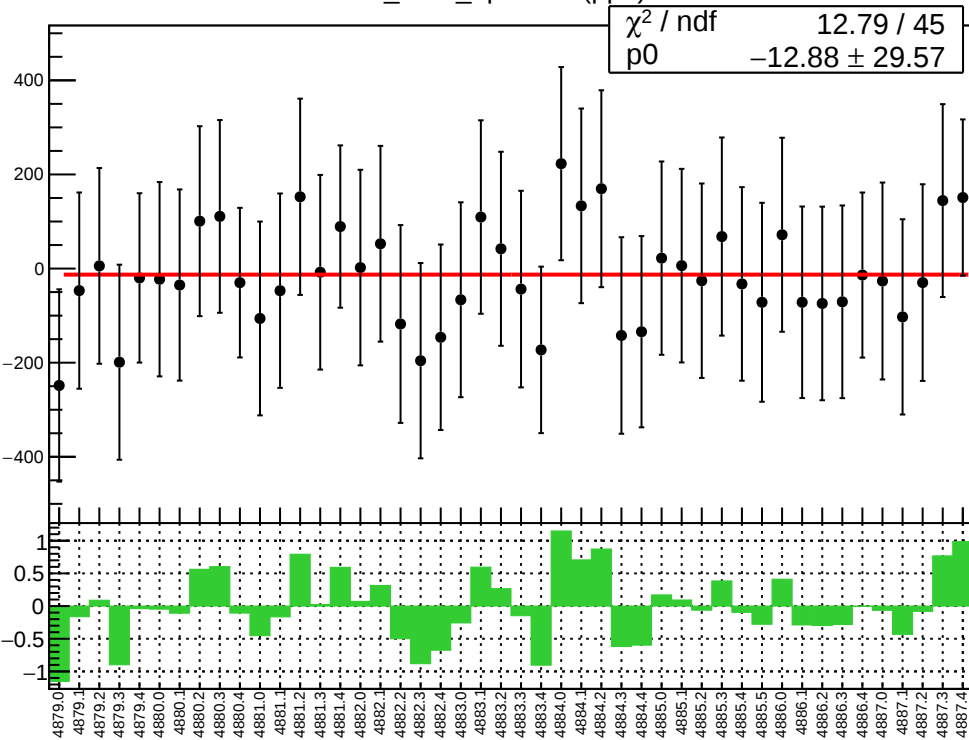
1D pull distribution



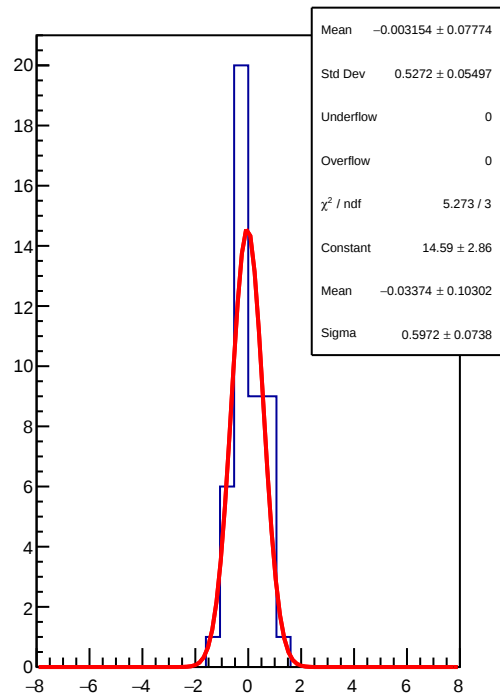
corr\_Adet\_bpm16X RMS (ppm)



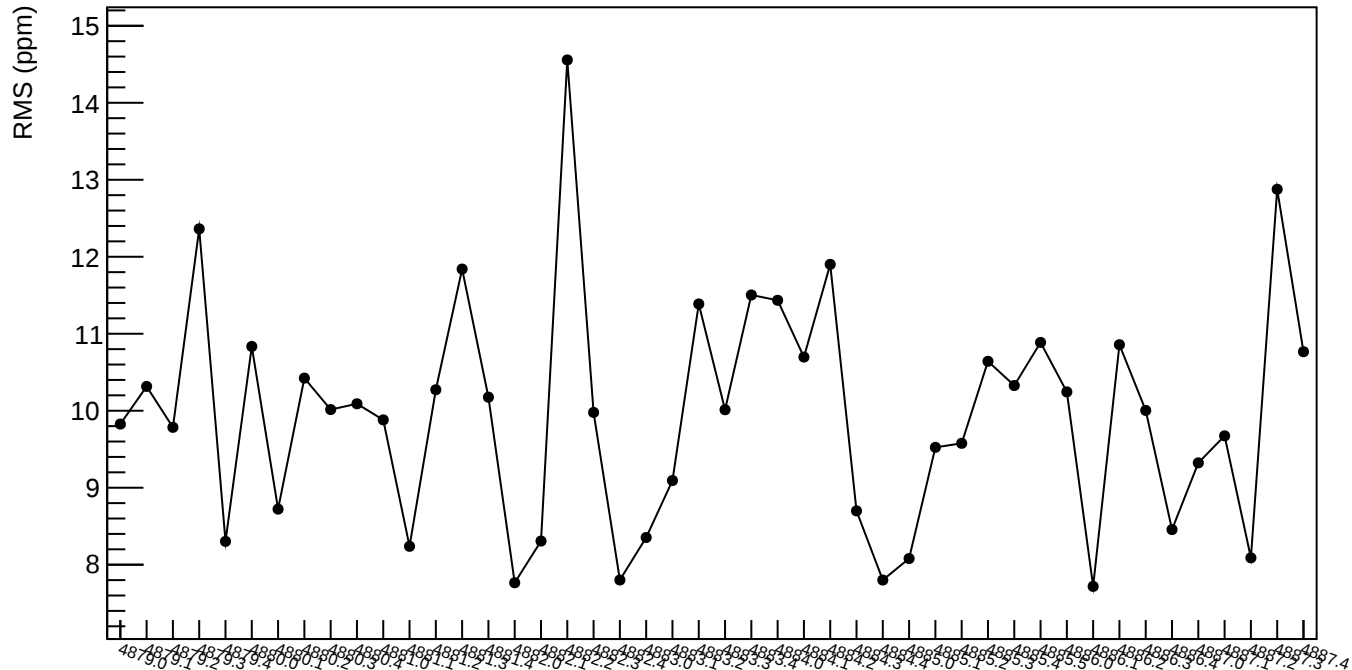
corr\_Adet\_bpm16Y (ppb)



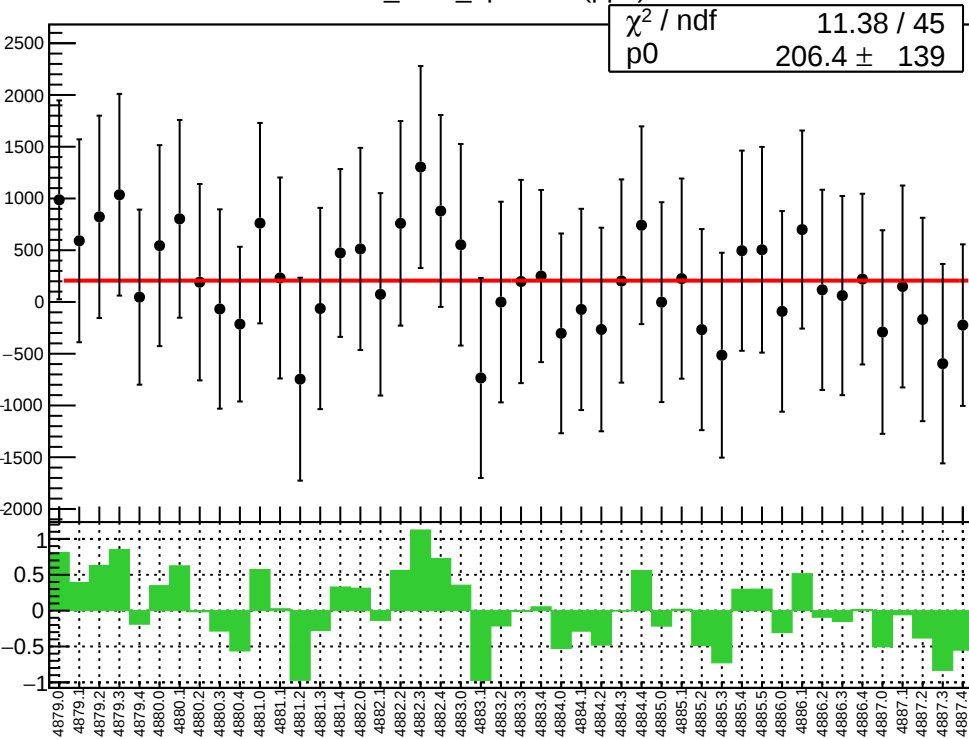
1D pull distribution



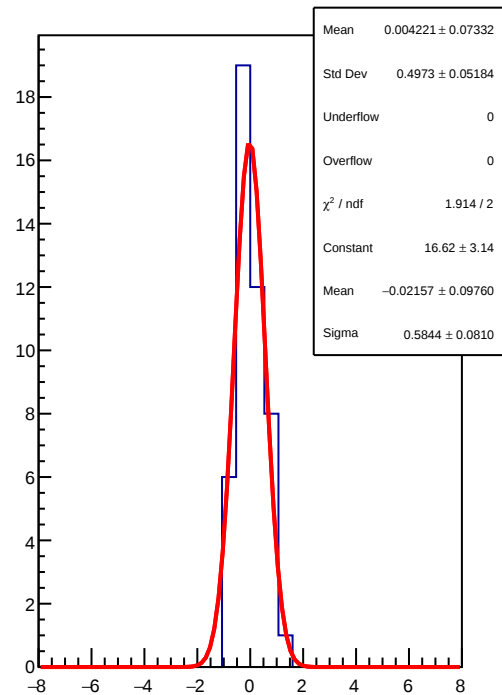
corr\_Adet\_bpm16Y RMS (ppm)



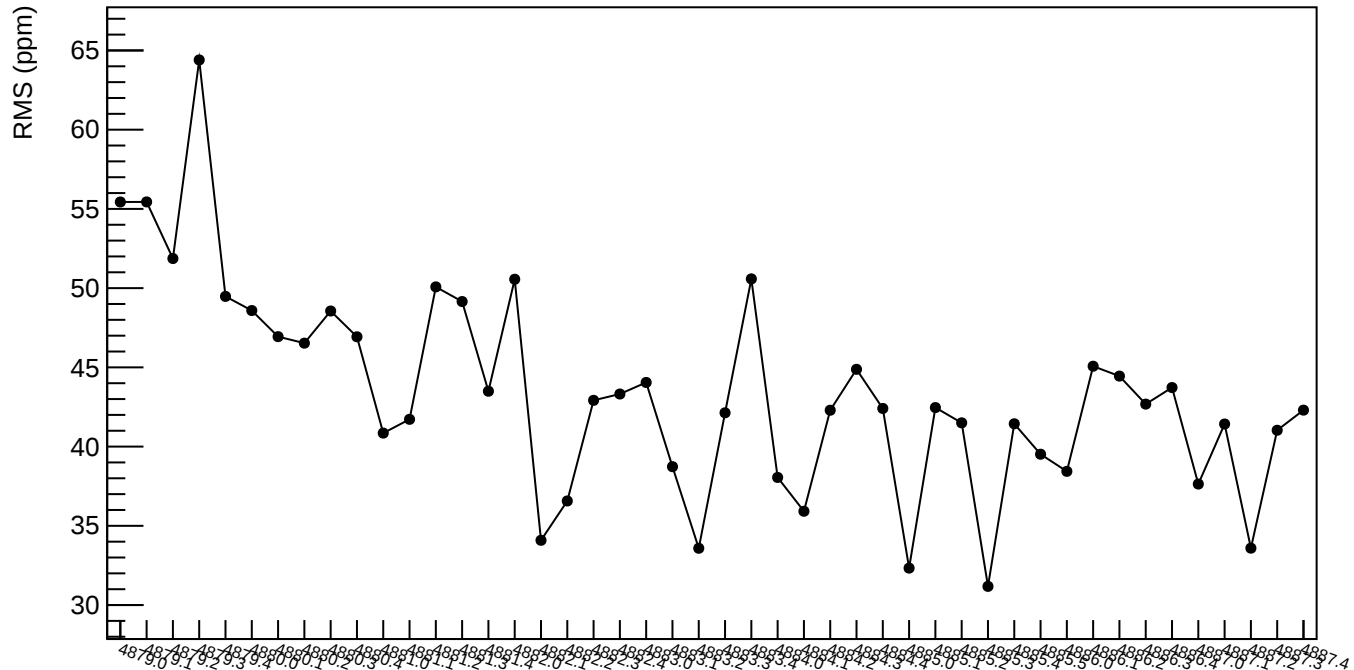
corr\_Adet\_bpm12X (ppb)



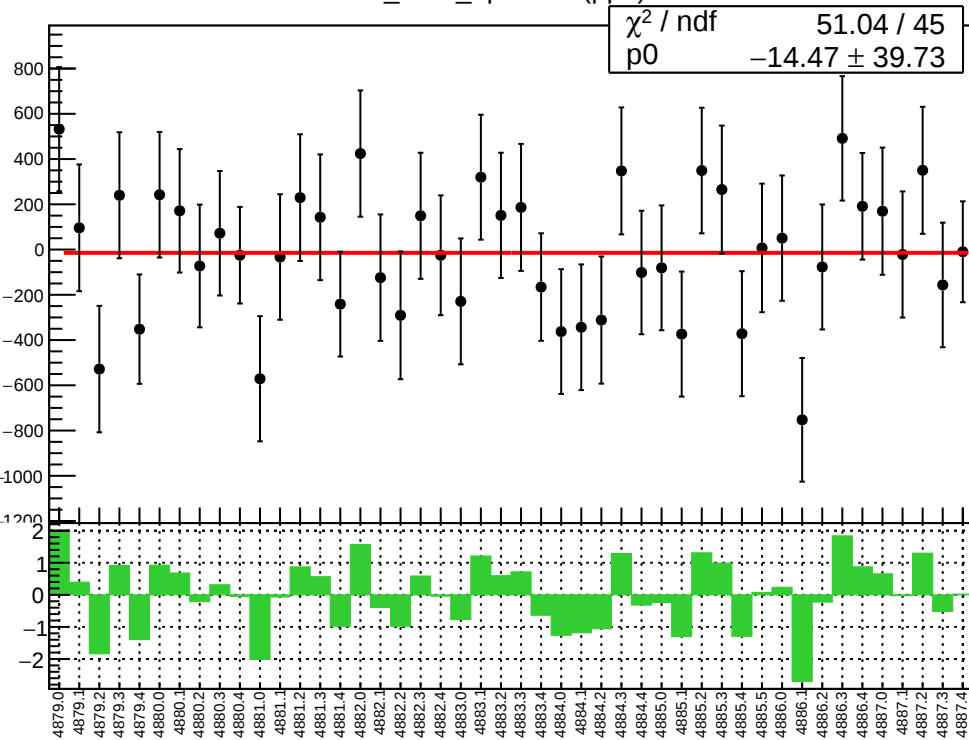
1D pull distribution



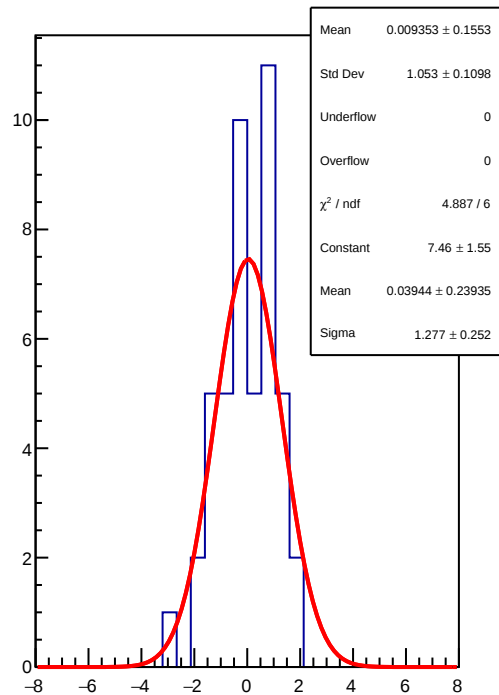
corr\_Adet\_bpm12X RMS (ppm)



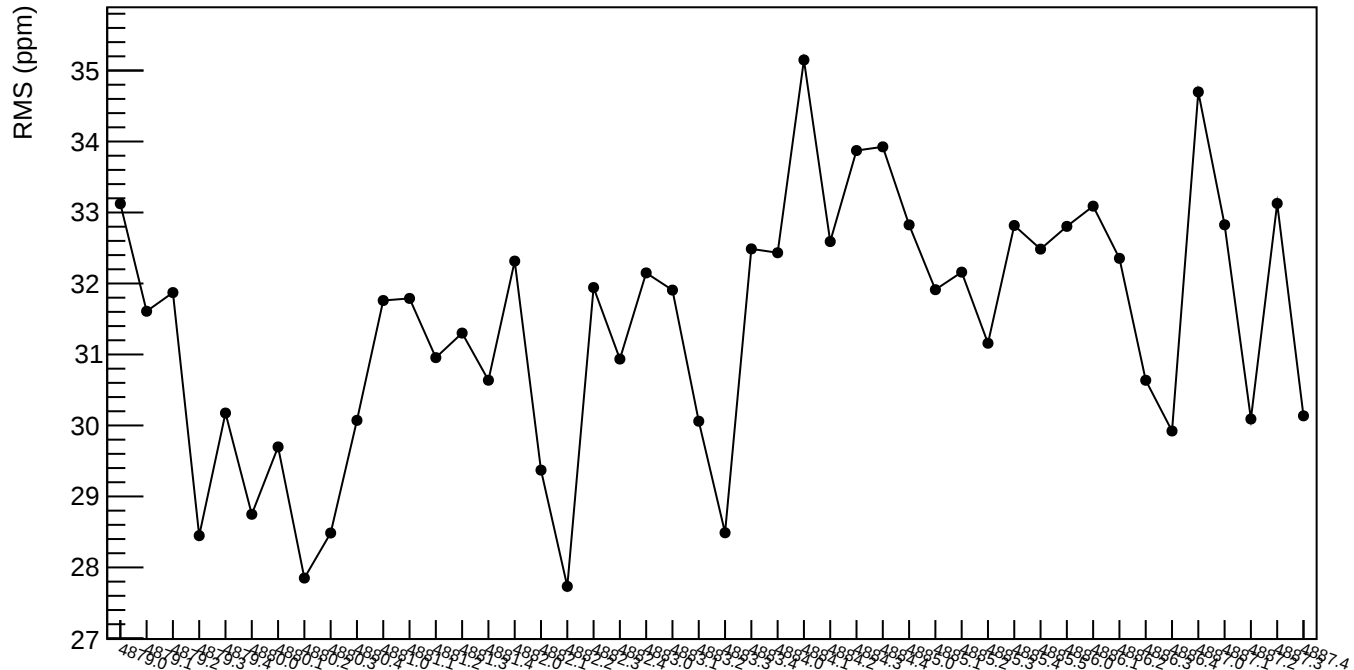
corr\_Adet\_bpm12Y (ppb)



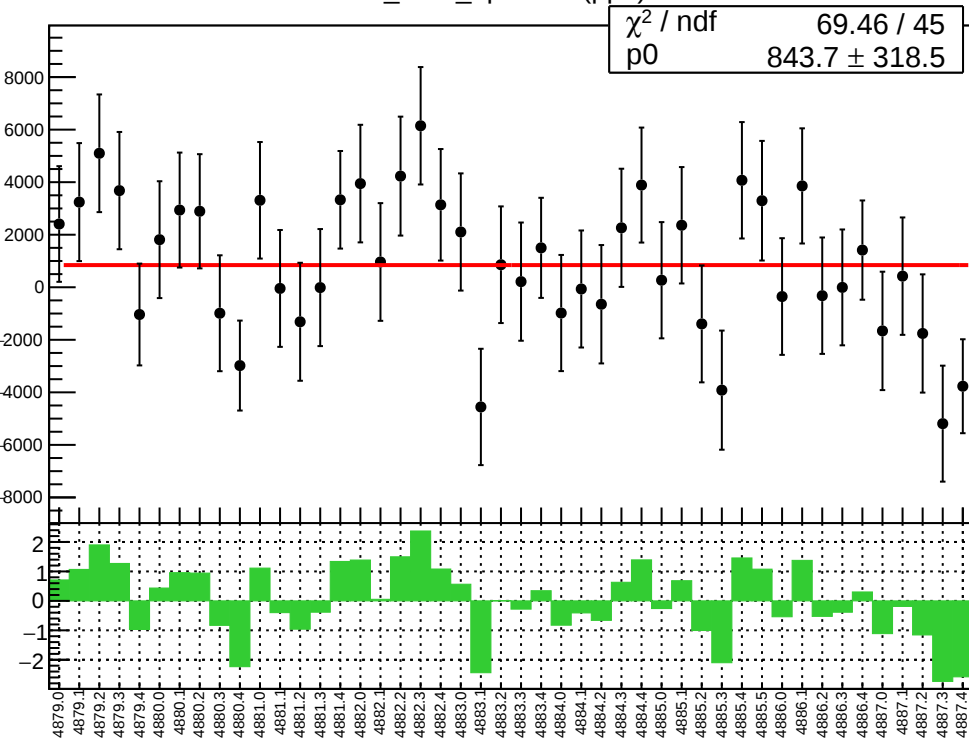
1D pull distribution



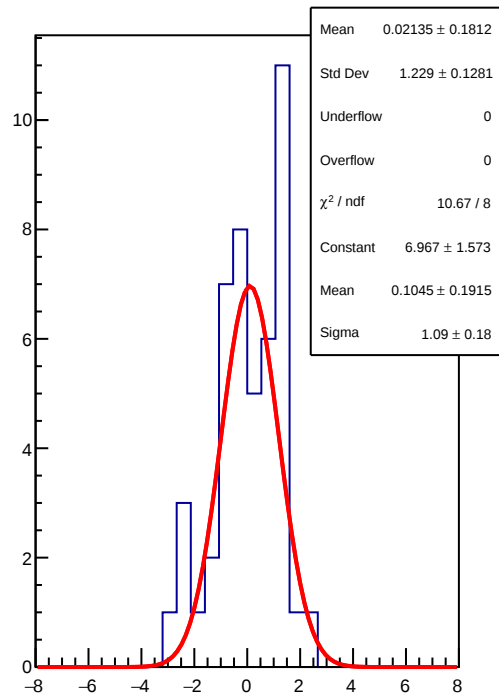
corr\_Adet\_bpm12Y RMS (ppm)



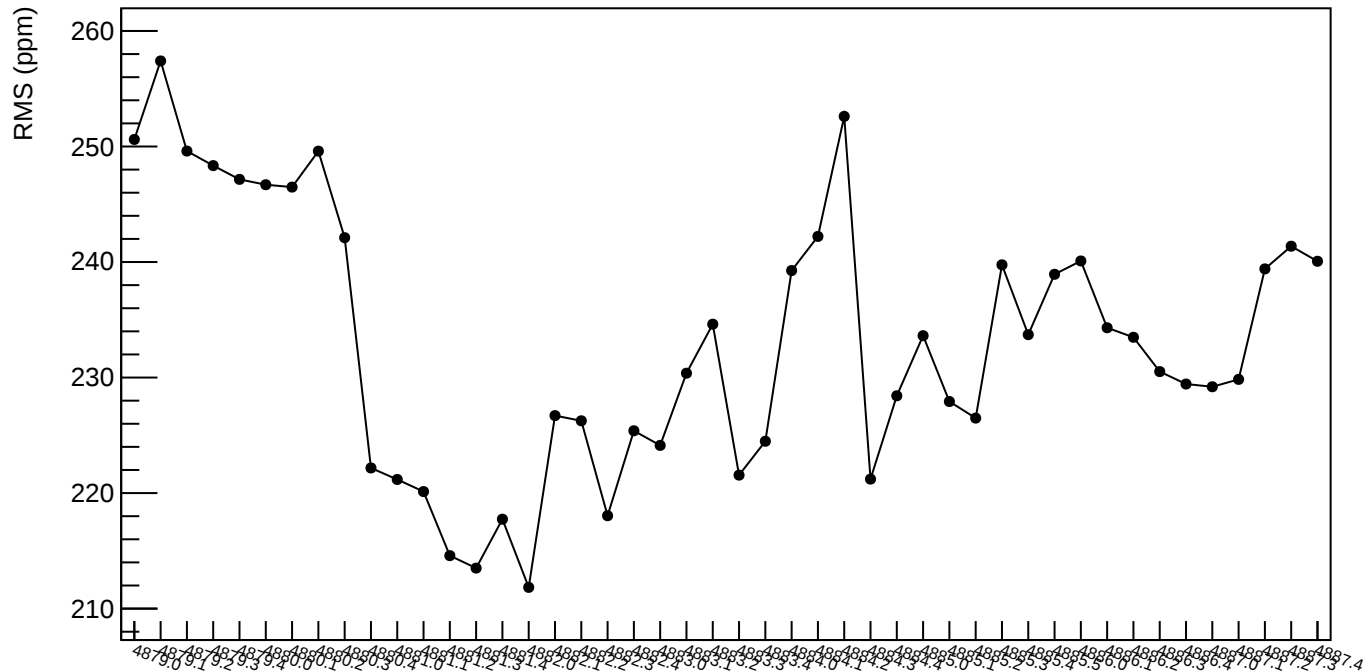
corr\_Adet\_bpm11X (ppb)



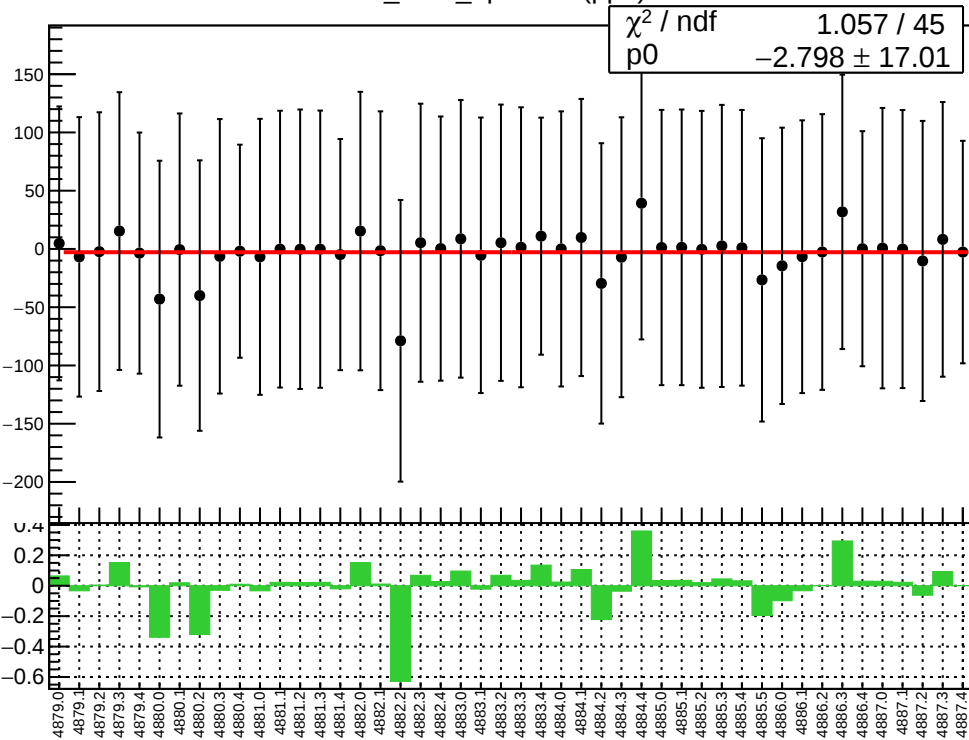
1D pull distribution



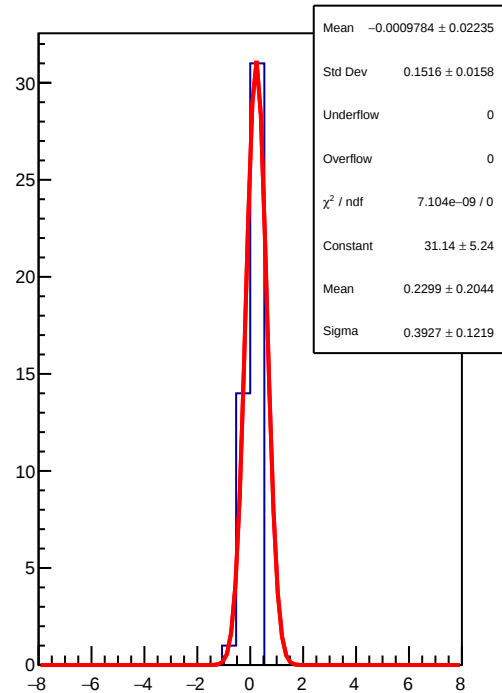
corr\_Adet\_bpm11X RMS (ppm)



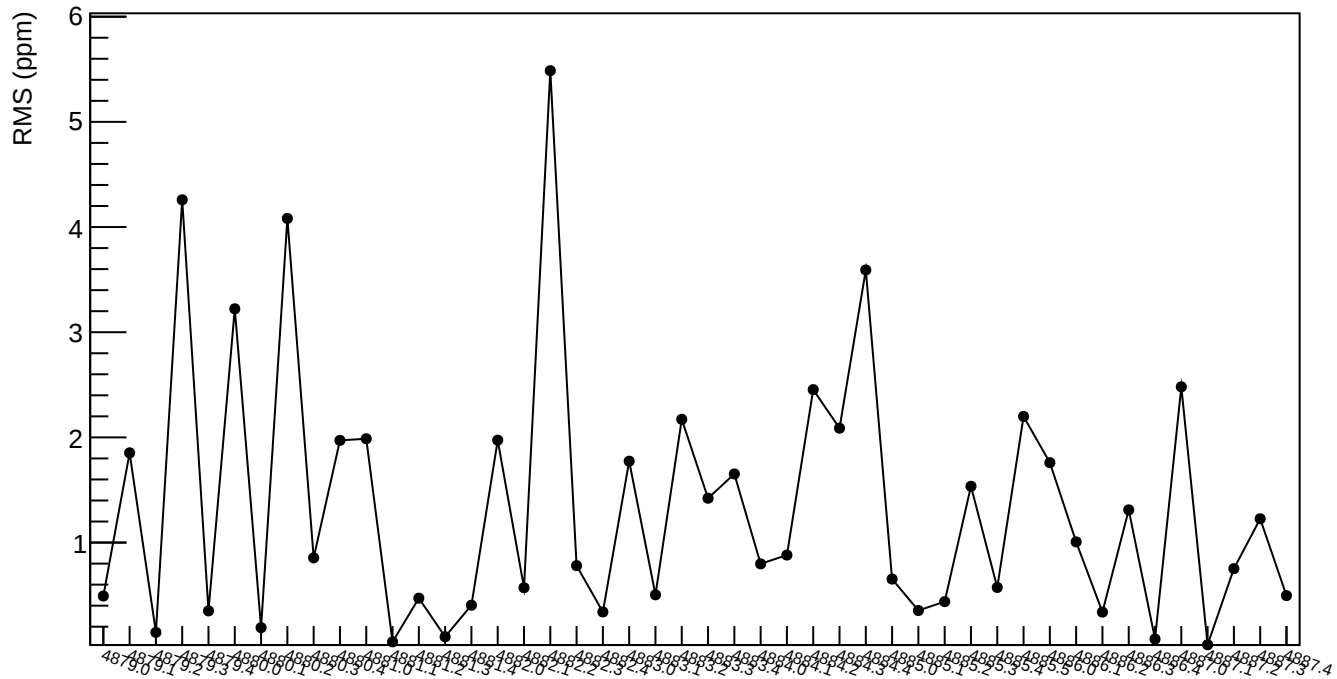
corr\_Adet\_bpm11Y (ppb)



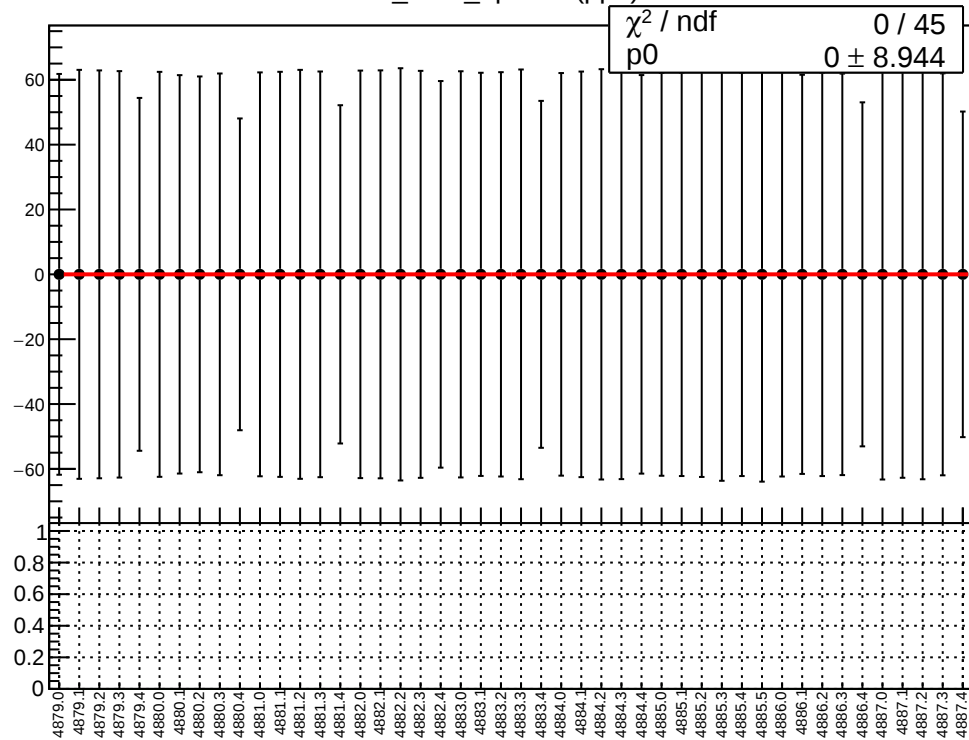
1D pull distribution



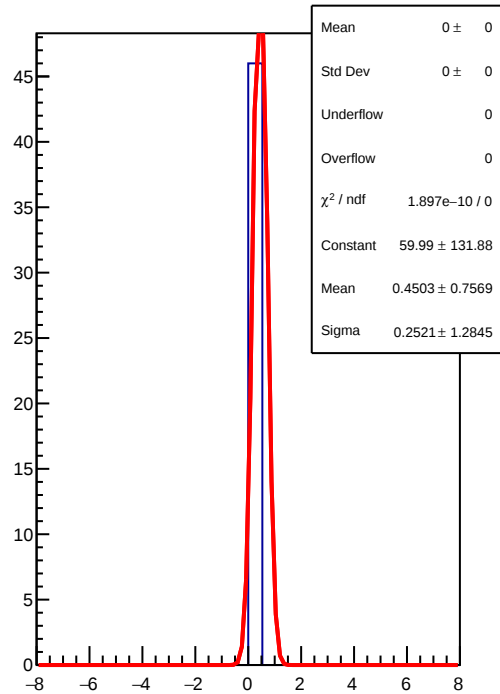
corr\_Adet\_bpm11Y RMS (ppm)



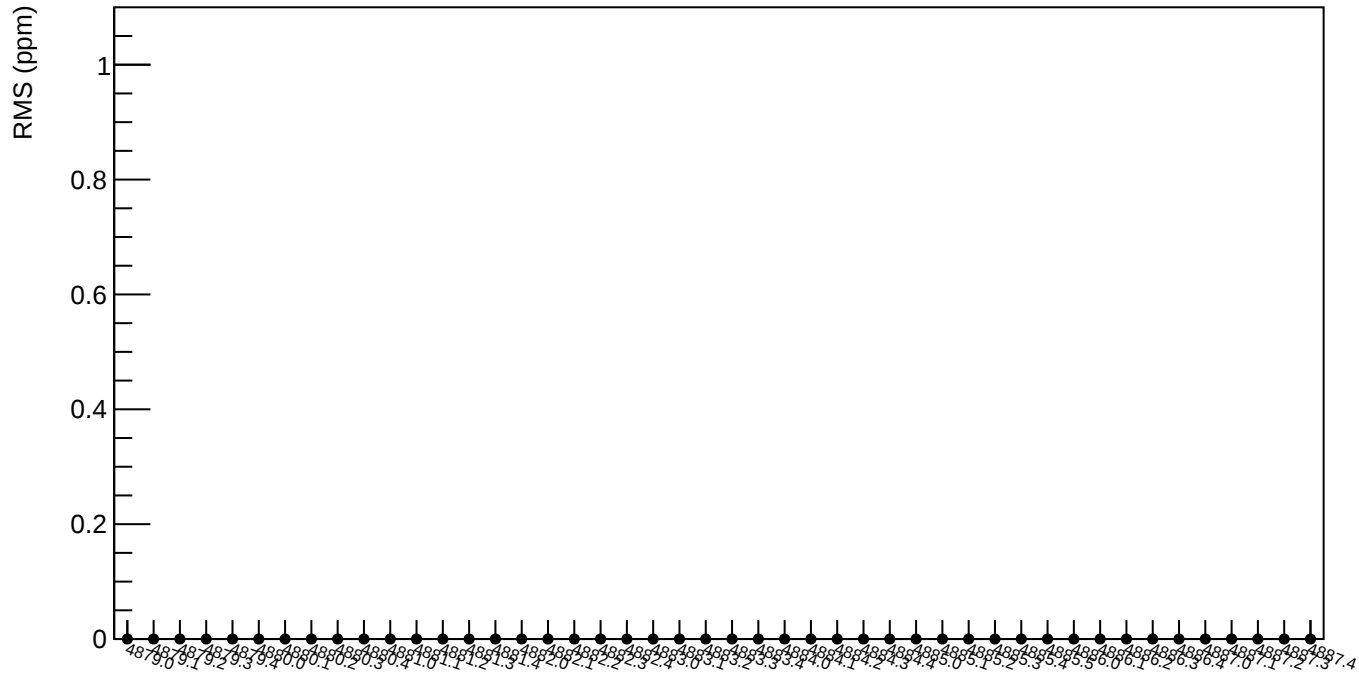
corr\_Adet\_bpm8X (ppb)



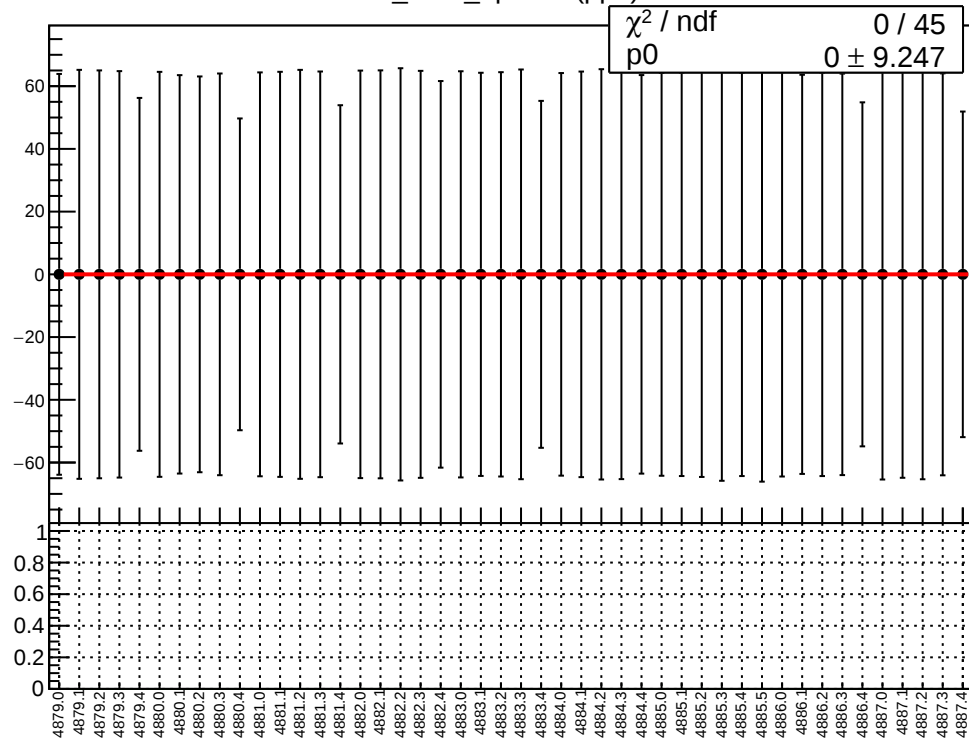
1D pull distribution



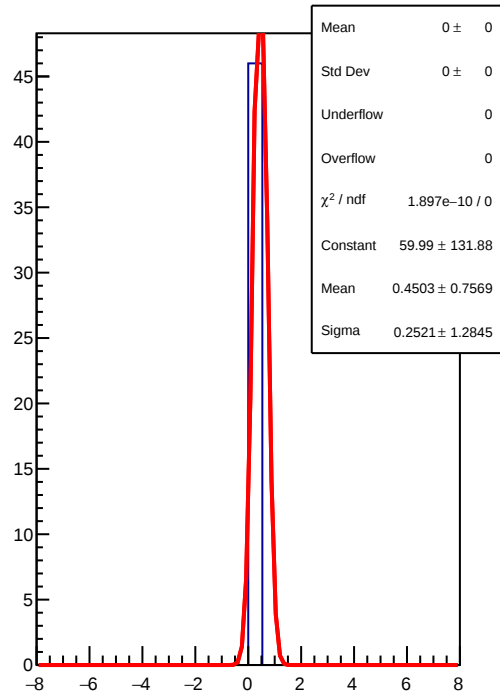
corr\_Adet\_bpm8X RMS (ppm)



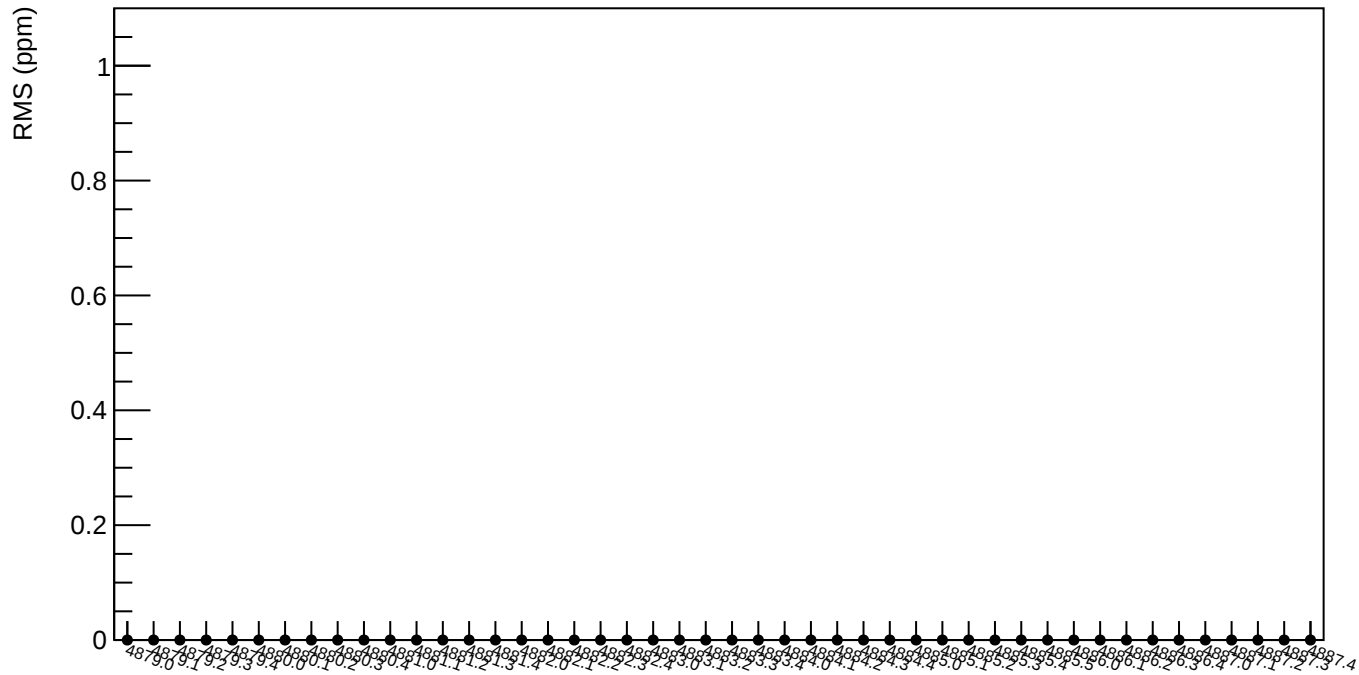
corr\_Adet\_bpm8Y (ppb)



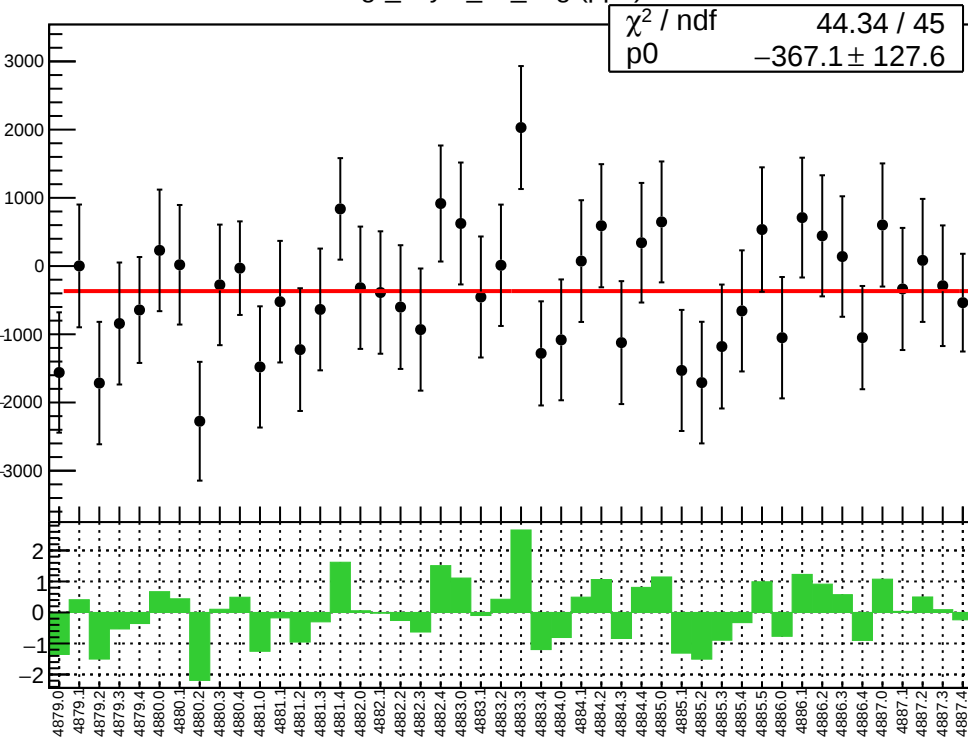
1D pull distribution



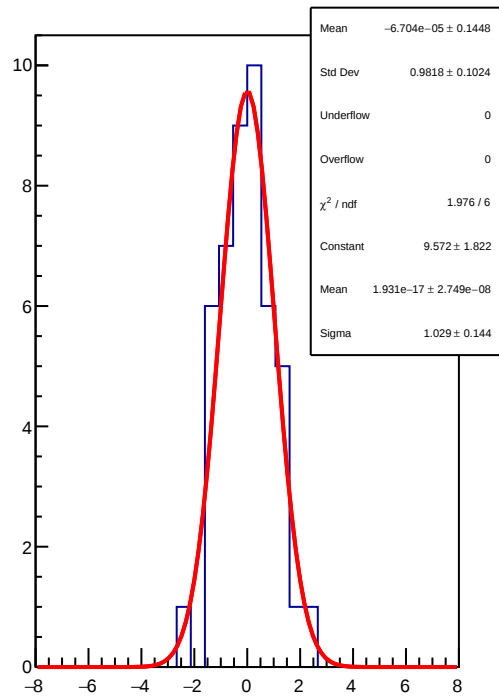
corr\_Adet\_bpm8Y RMS (ppm)



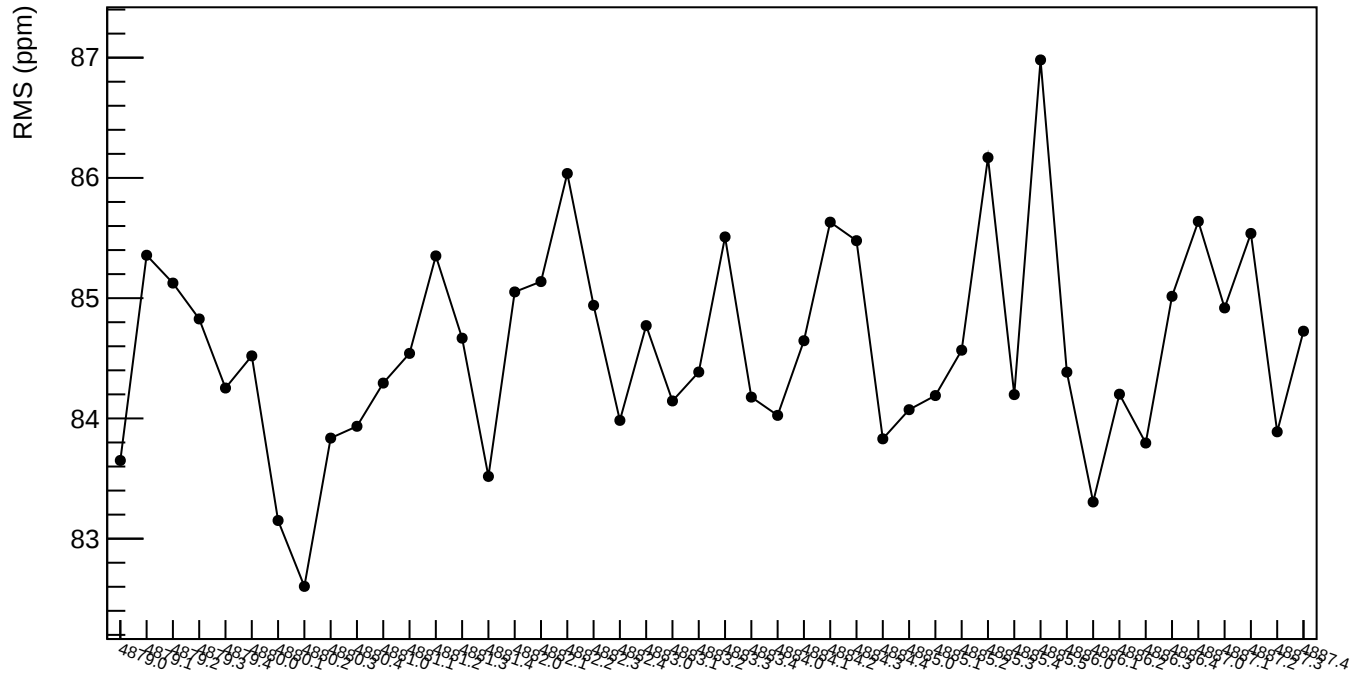
lagr\_asym\_us\_avg (ppb)



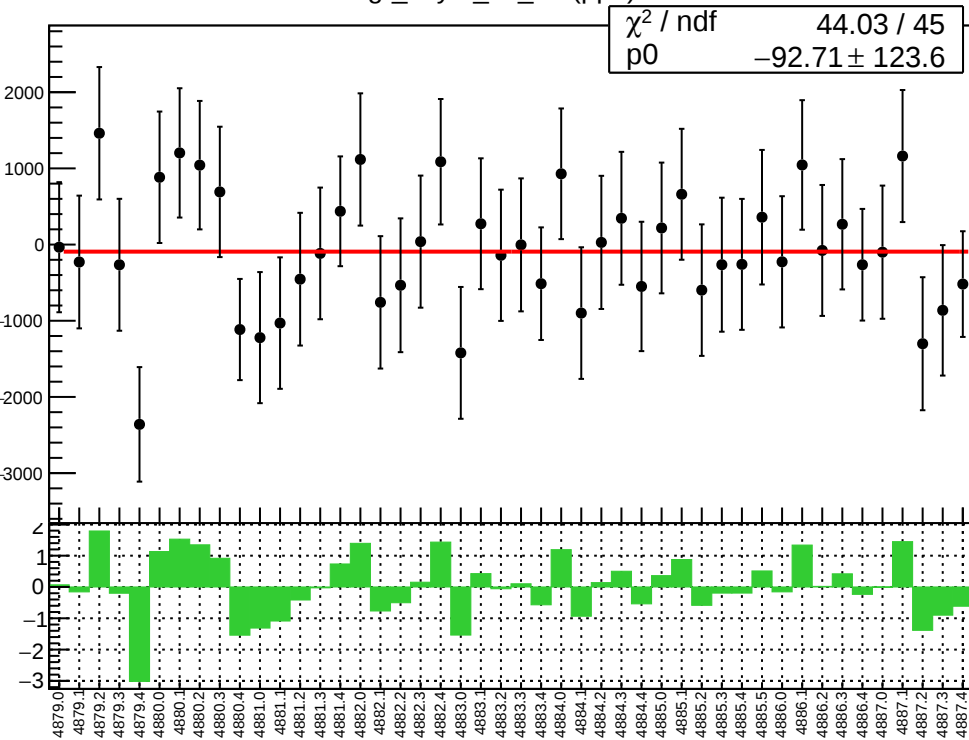
1D pull distribution



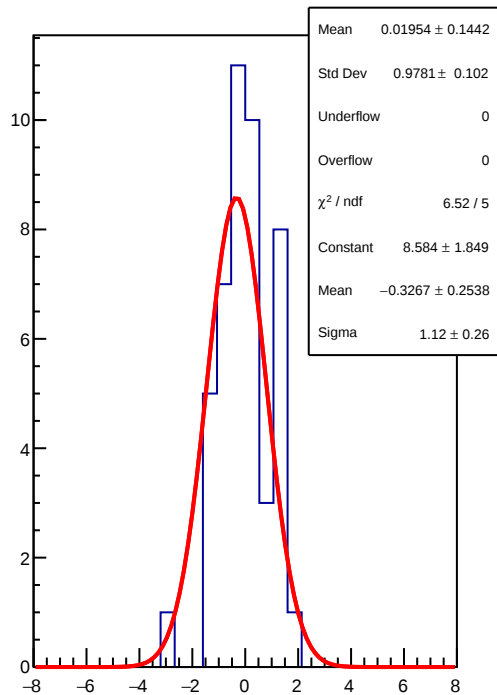
lagr\_asym\_us\_avg RMS (ppm)



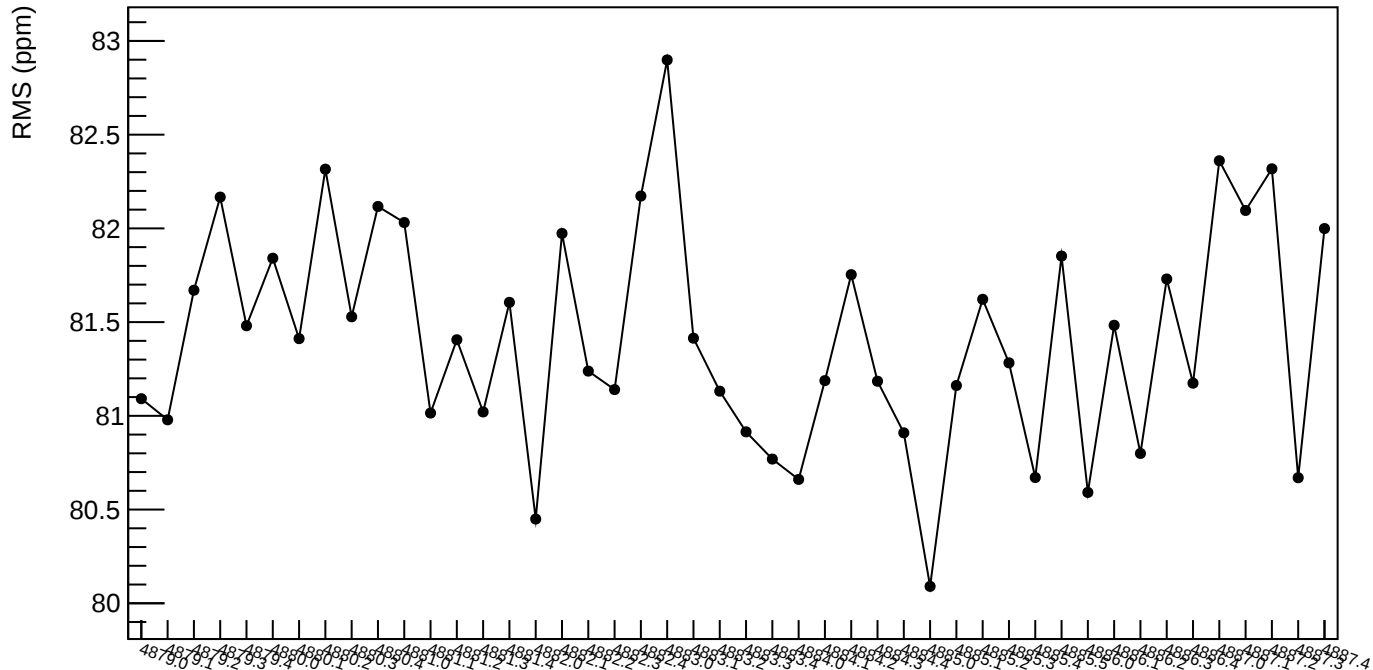
lagr\_asym\_us\_dd (ppb)



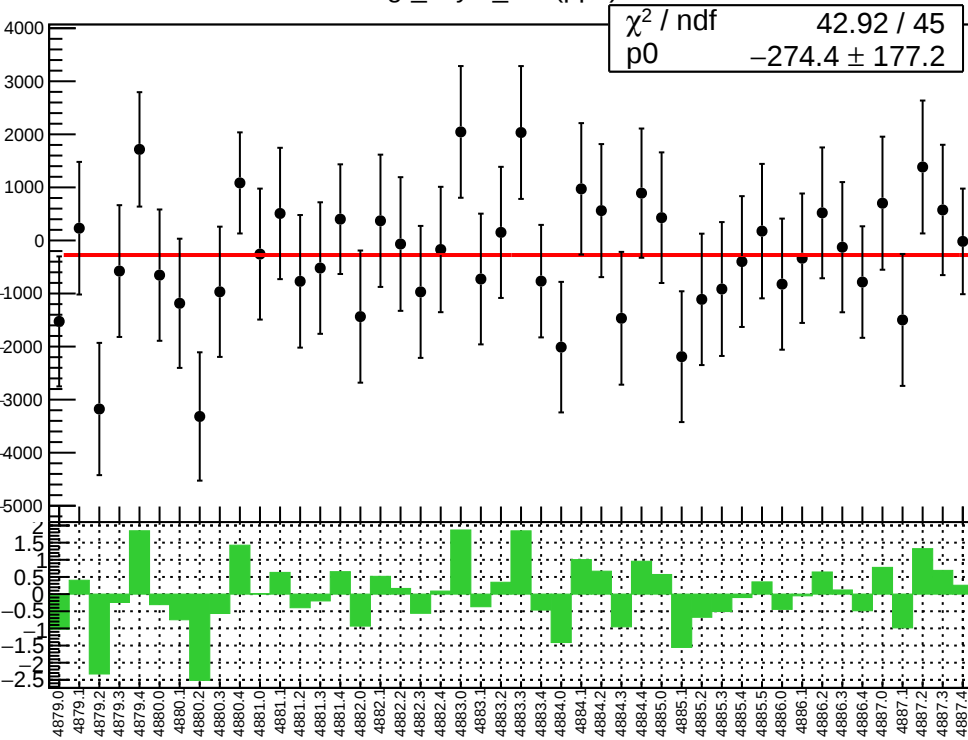
1D pull distribution



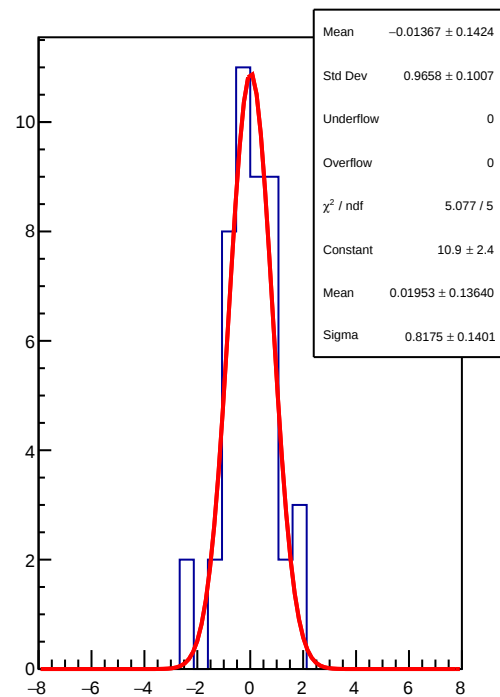
lagr\_asym\_us\_dd RMS (ppm)



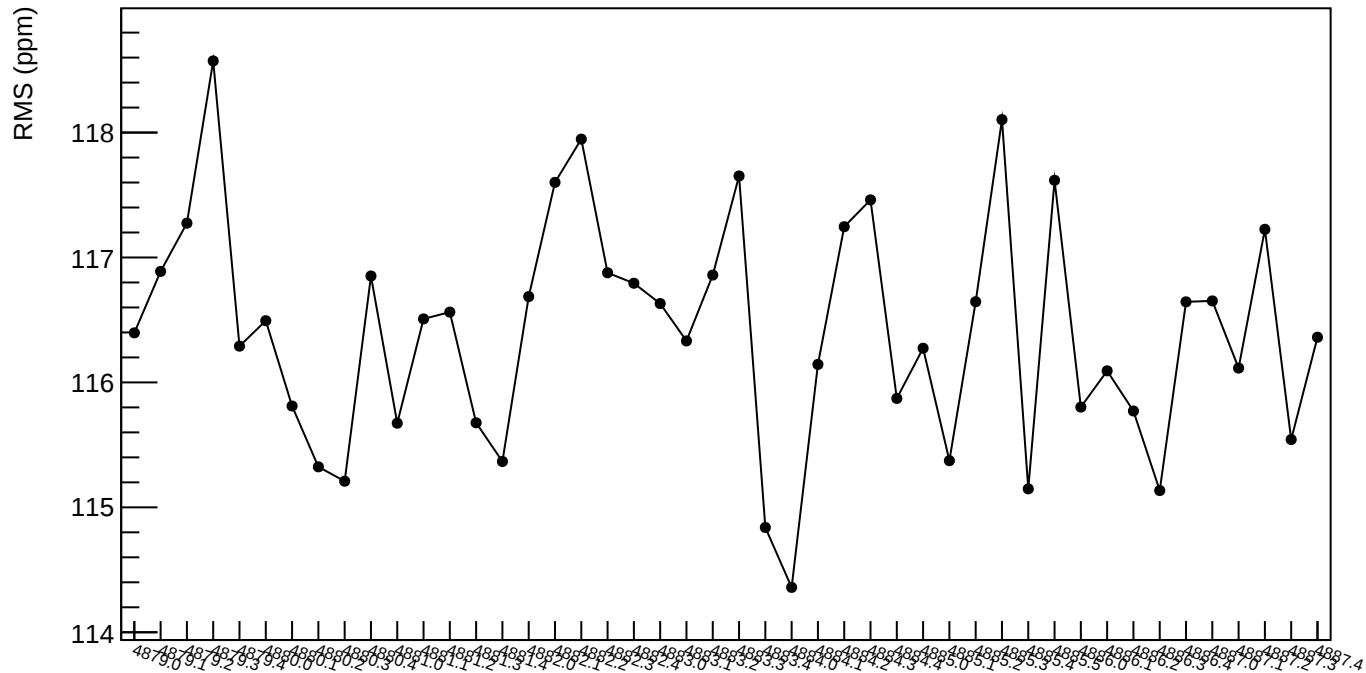
lagr\_asym\_usr (ppb)



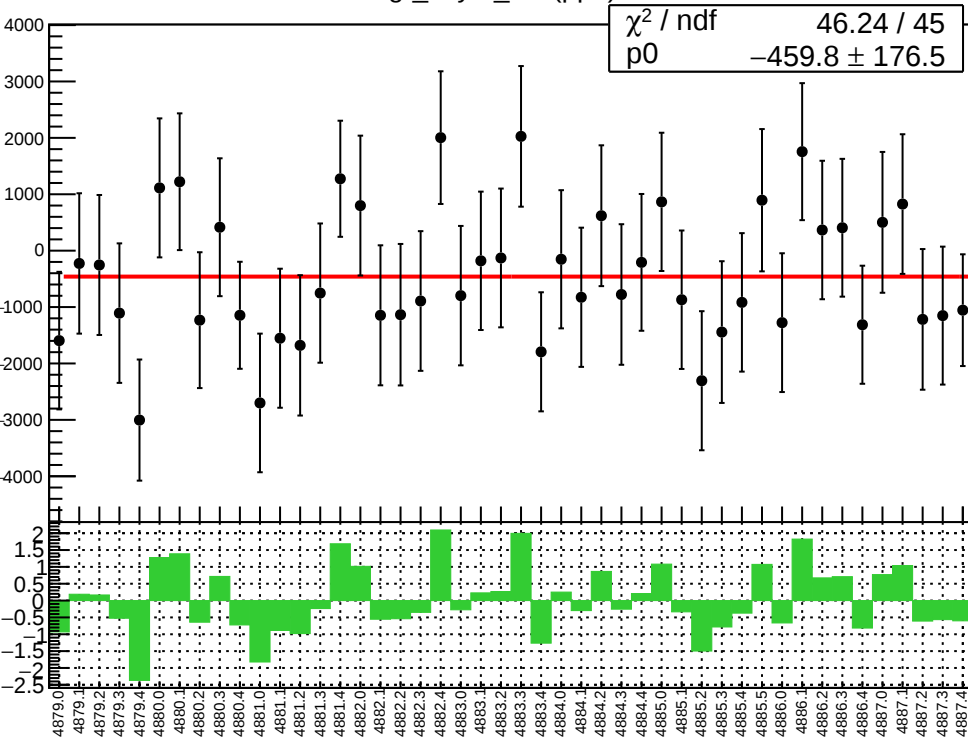
1D pull distribution



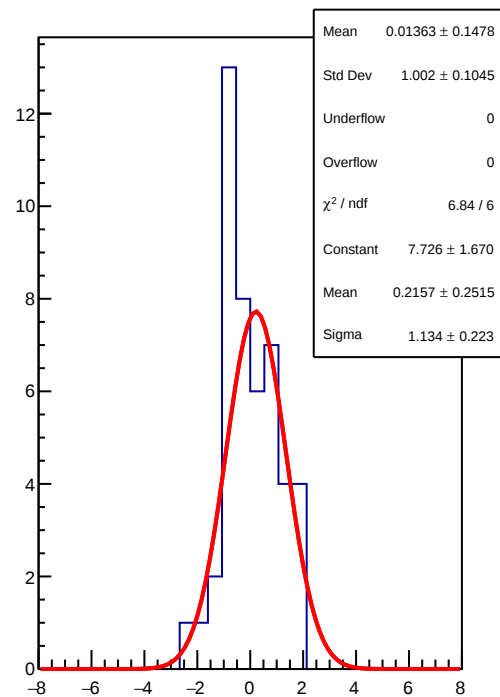
# lagr\_asym\_usr RMS (ppm)



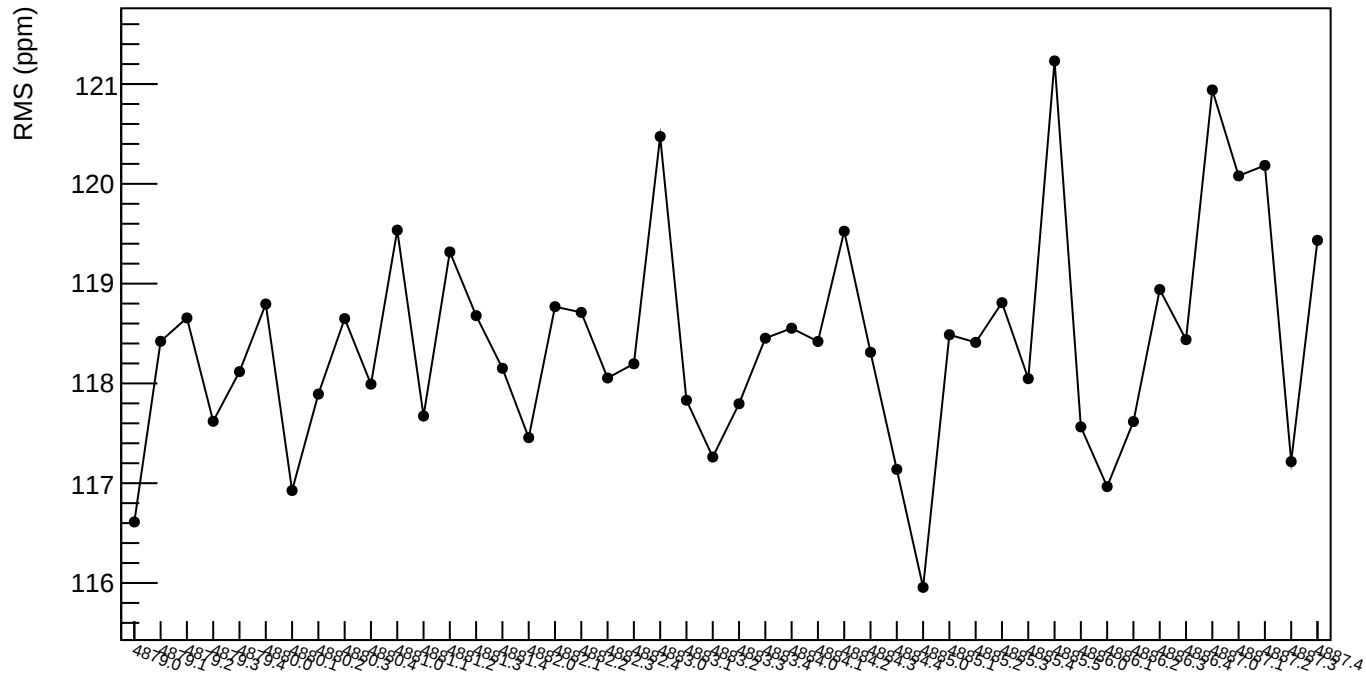
lagr\_asym\_usl (ppb)



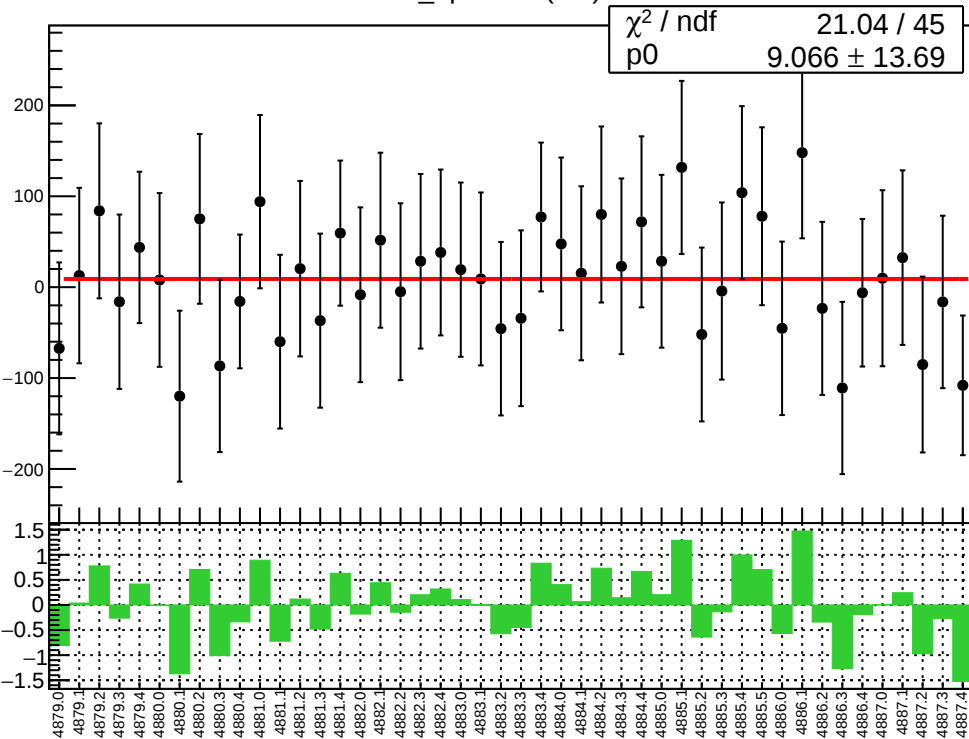
1D pull distribution



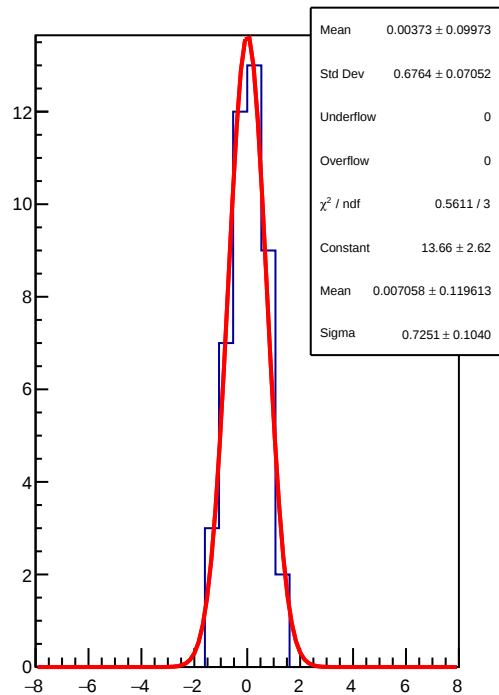
lagr\_asym\_usl RMS (ppm)



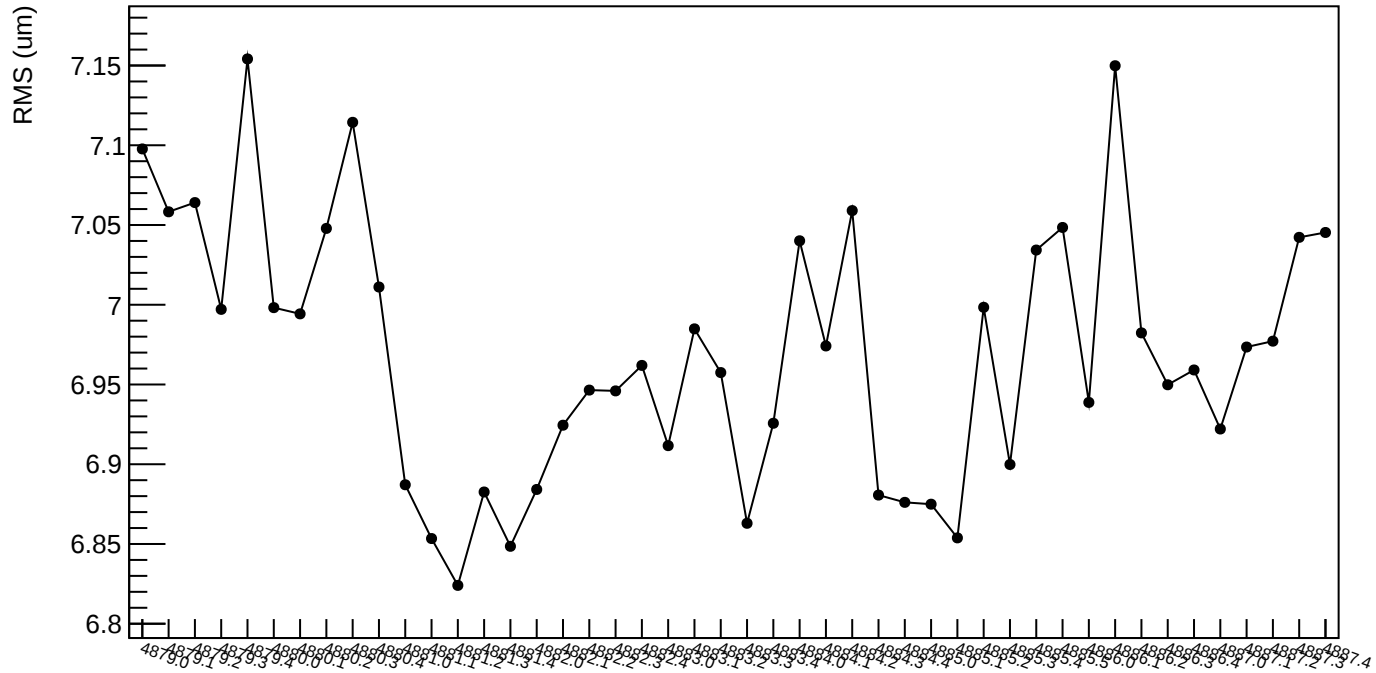
diff\_bpm4eX (nm)



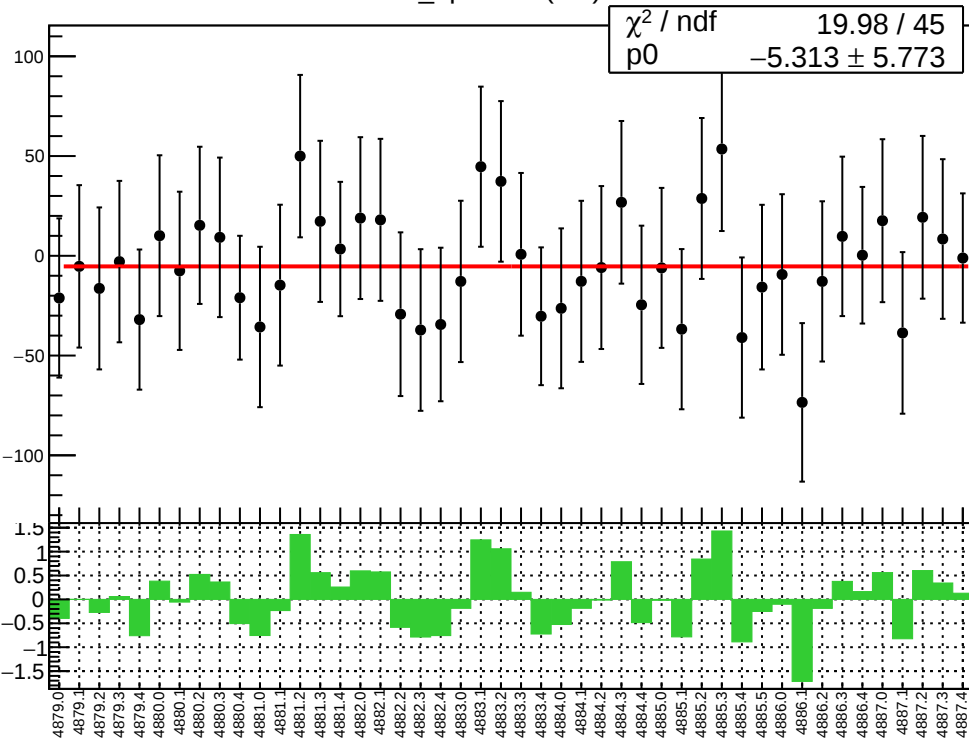
1D pull distribution



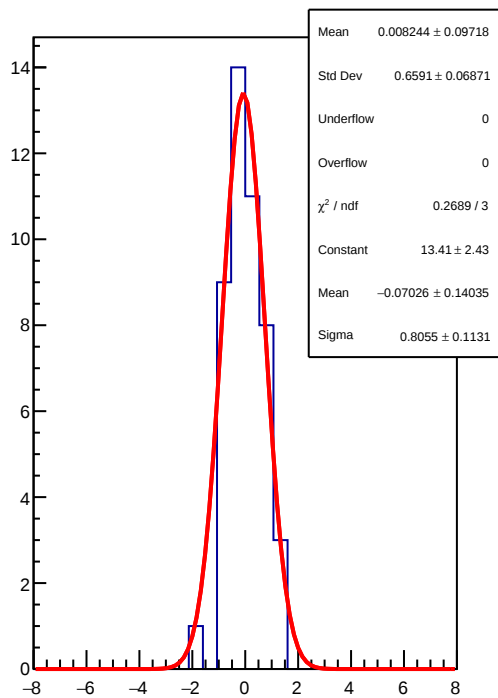
diff\_bpm4eX RMS (um)



diff\_bpm4eY (nm)

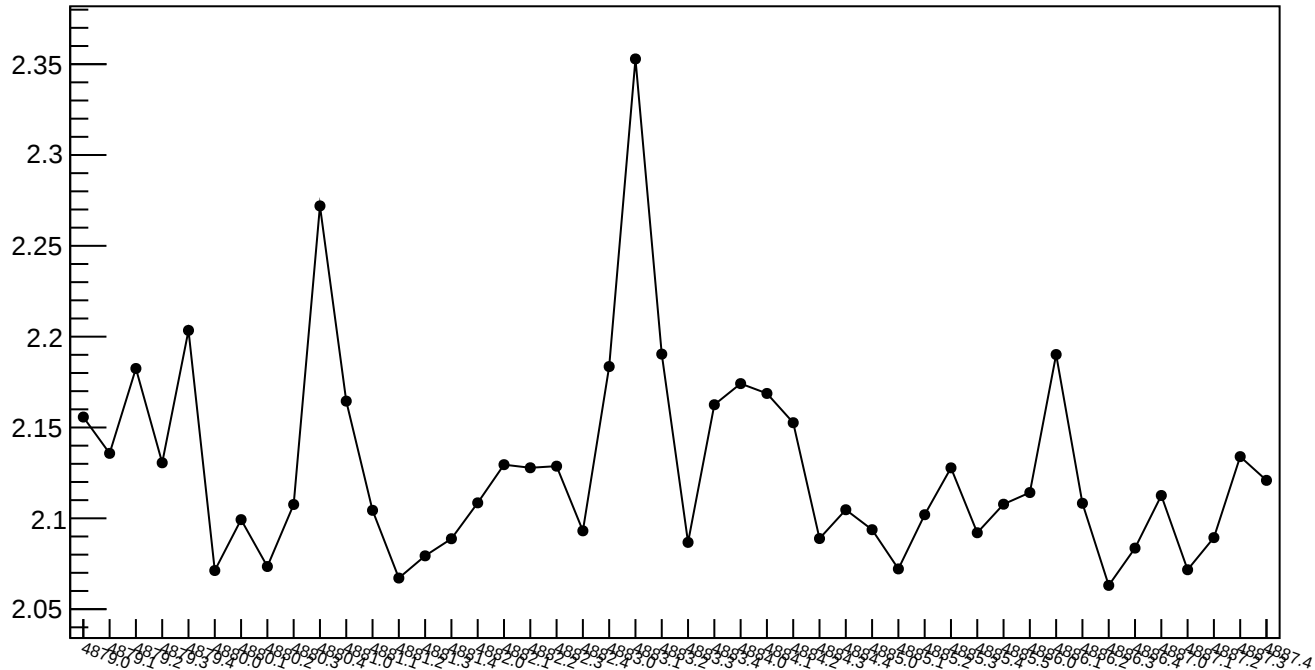


1D pull distribution



diff\_bpm4eY RMS (um)

RMS (um)

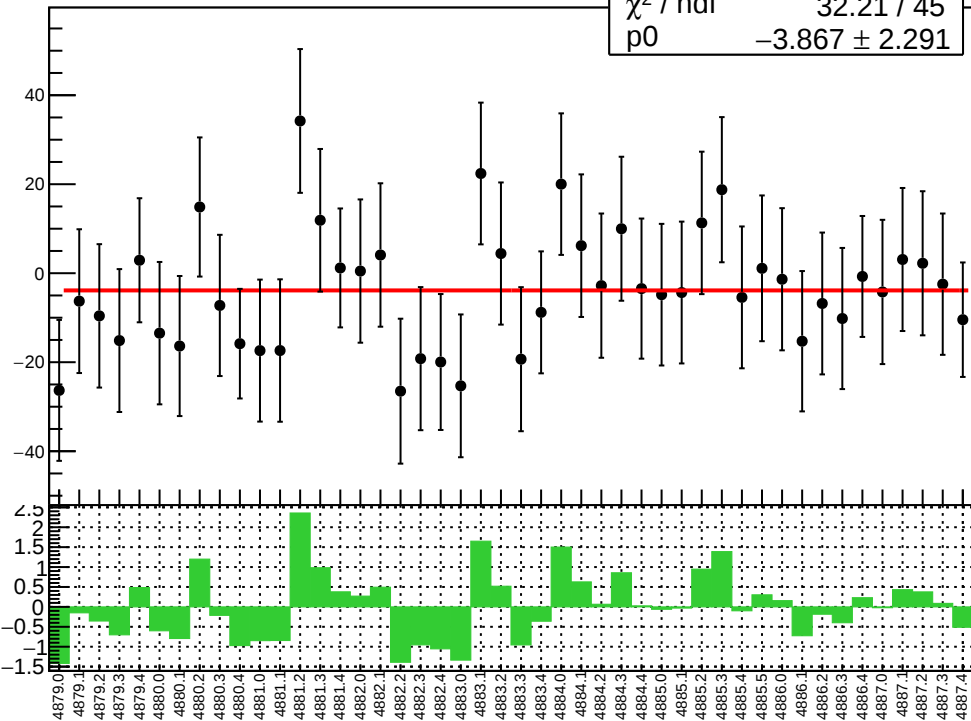


diff\_bpm4aX (nm)

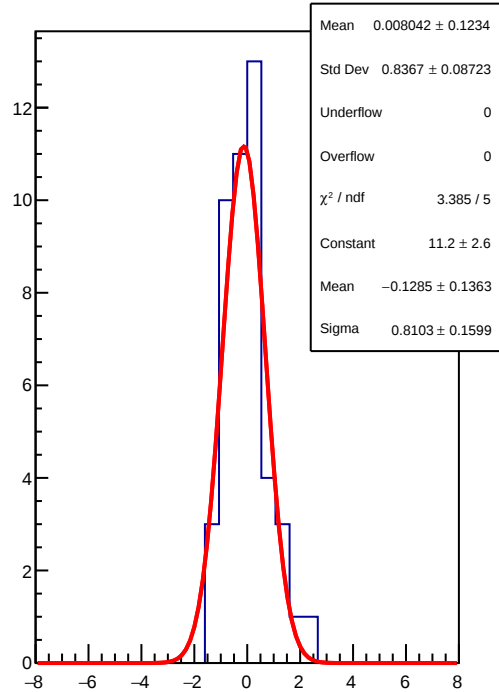
 $\chi^2 / \text{ndf}$ 

32.21 / 45

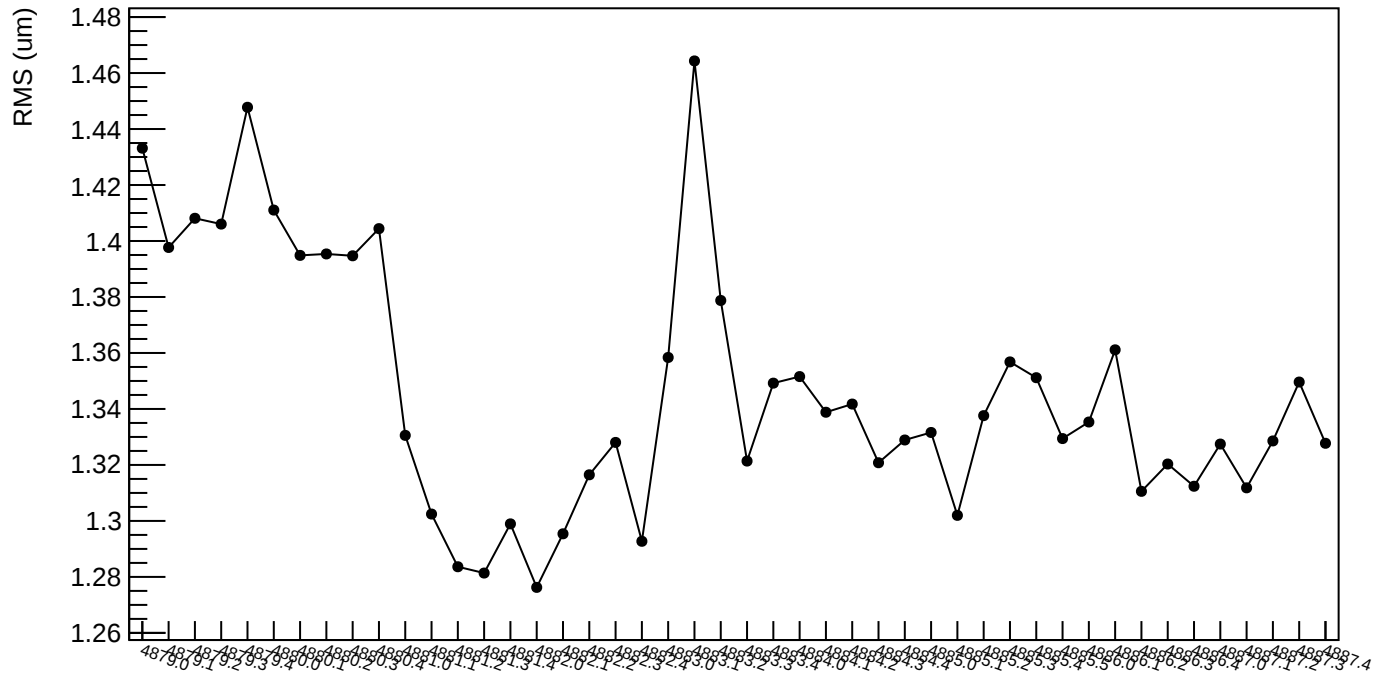
p0

 $-3.867 \pm 2.291$ 

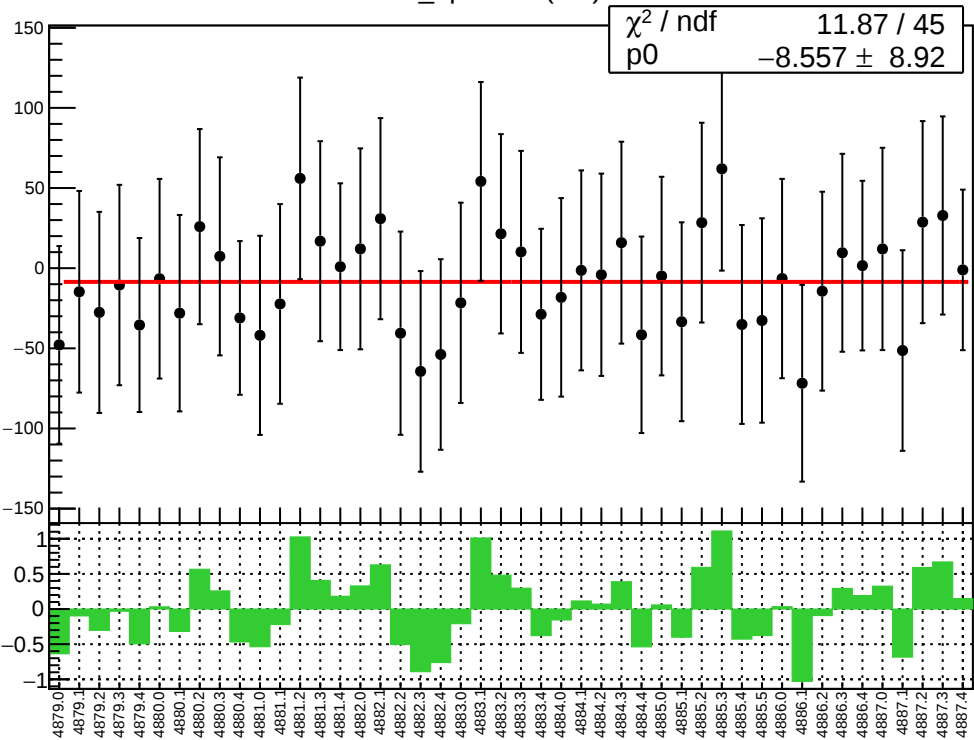
1D pull distribution



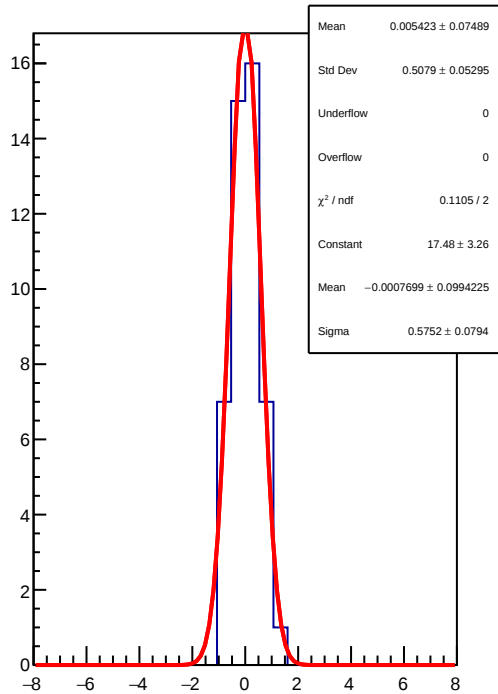
diff\_bpm4aX RMS (um)



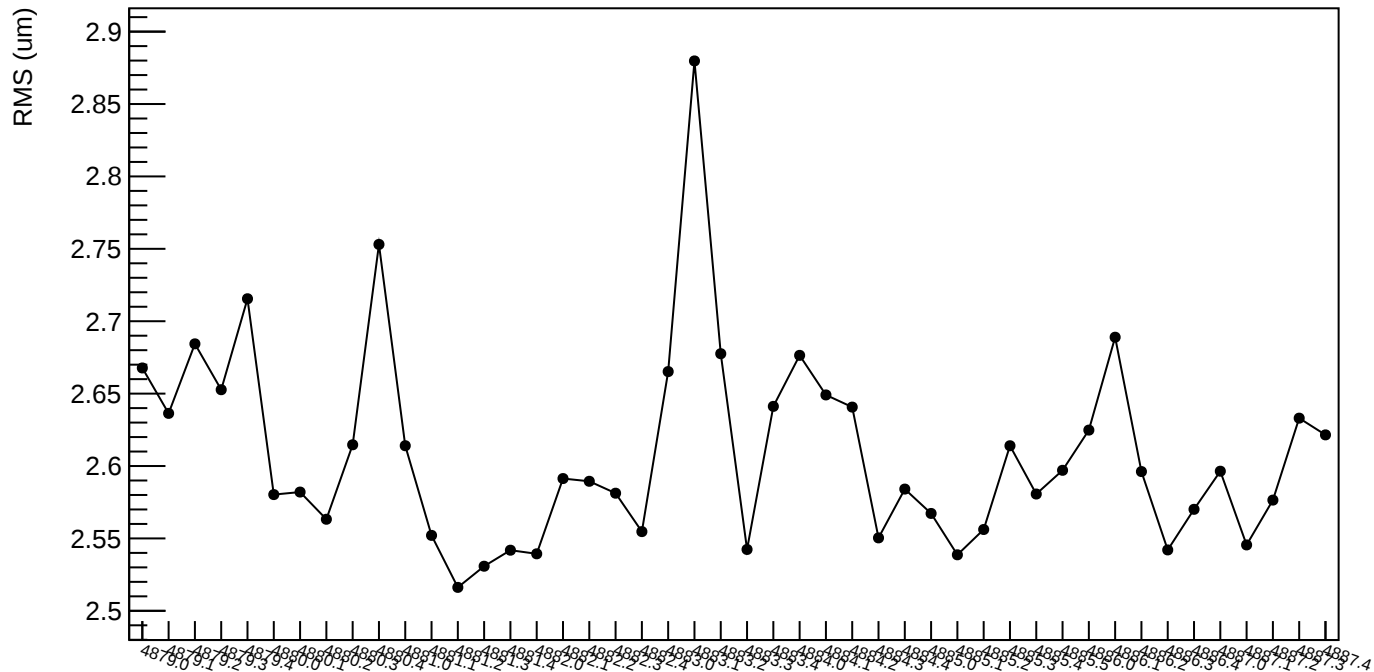
diff\_bpm4aY (nm)



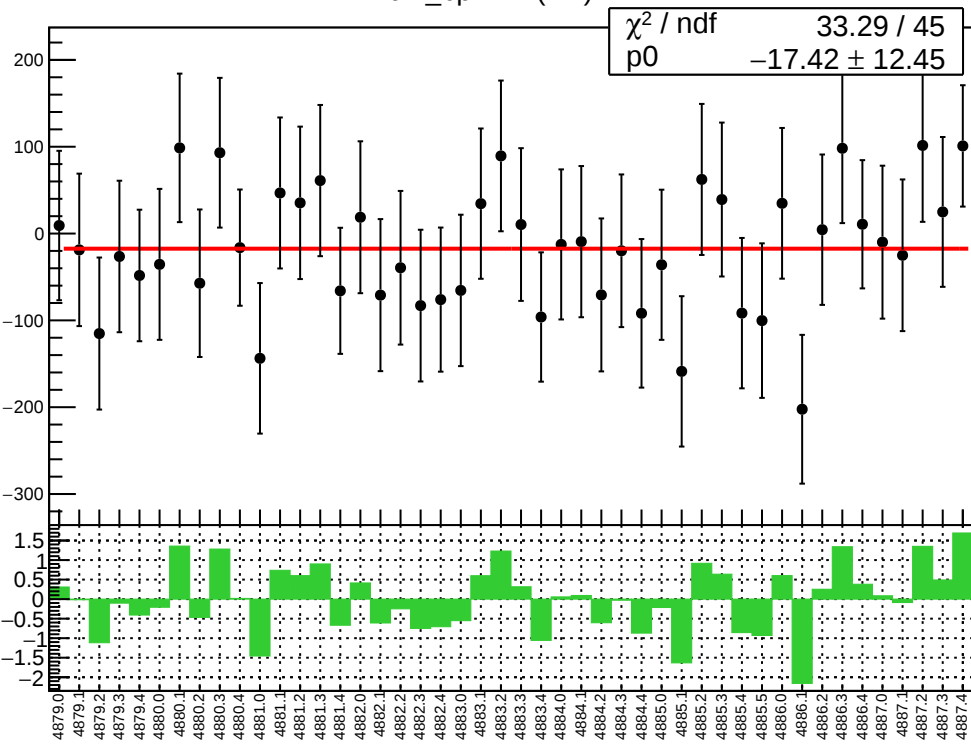
1D pull distribution



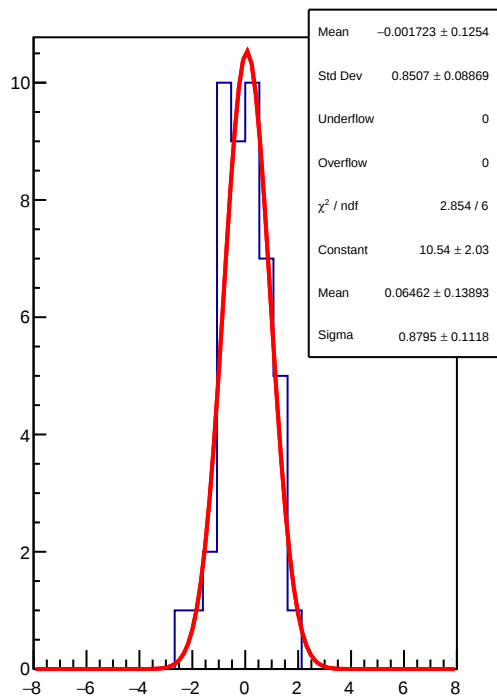
diff\_bpm4aY RMS (um)



diff\_bpm1X (nm)

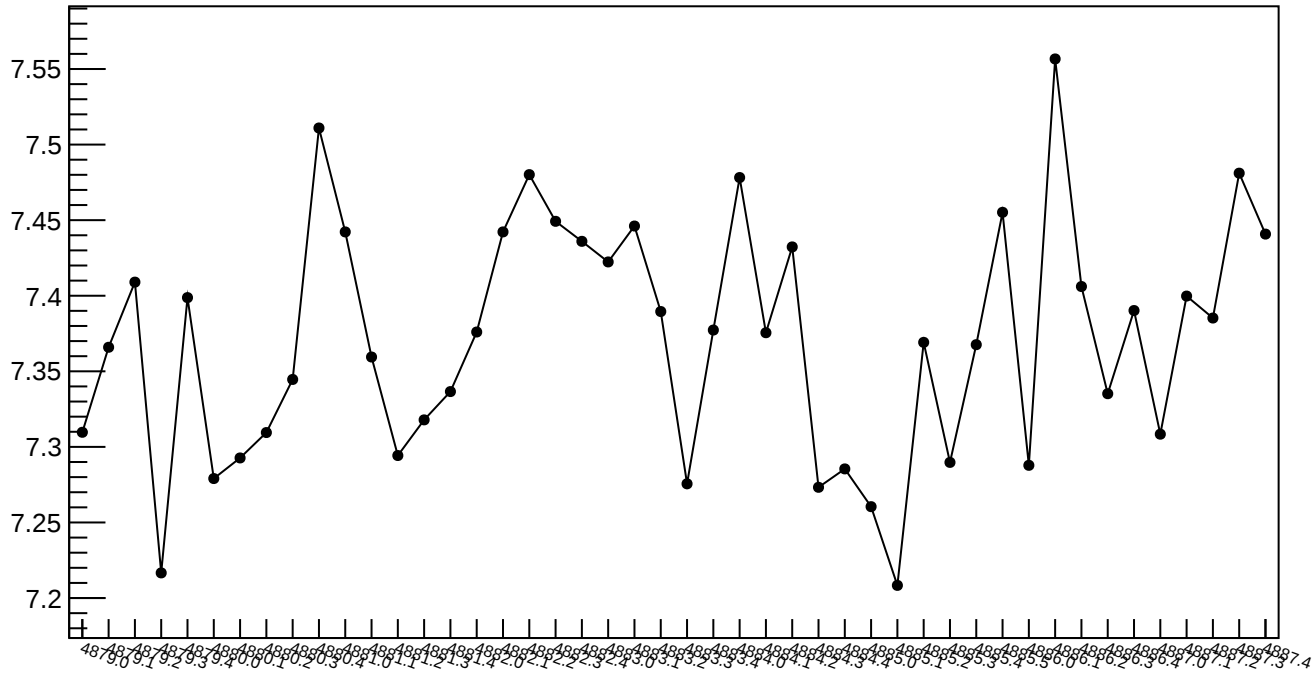


1D pull distribution

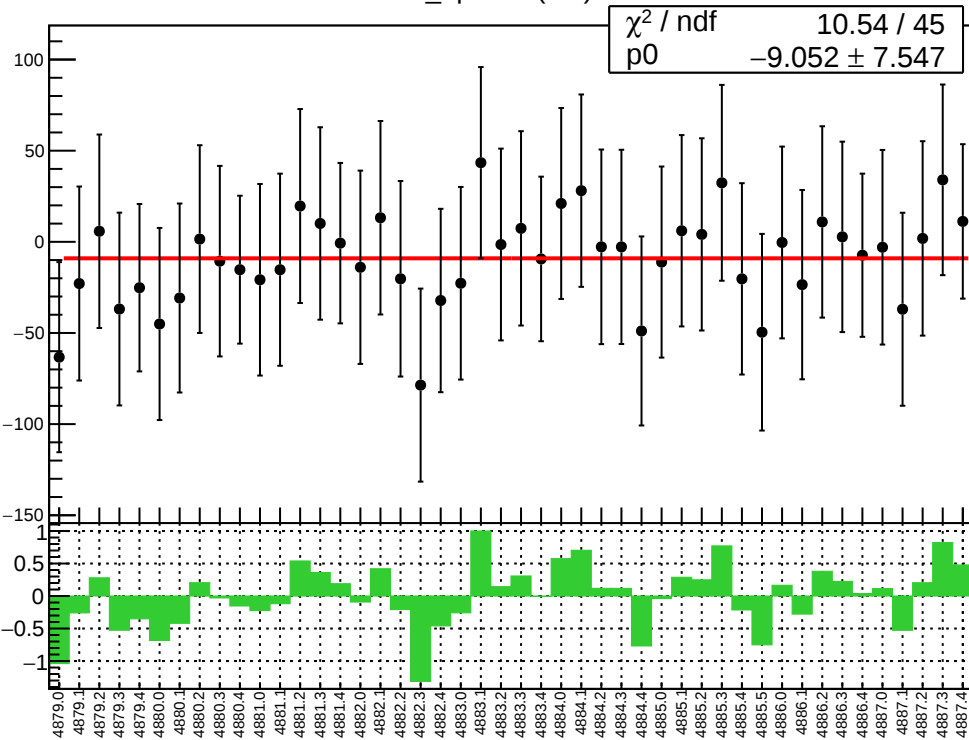


diff\_bpm1X RMS (um)

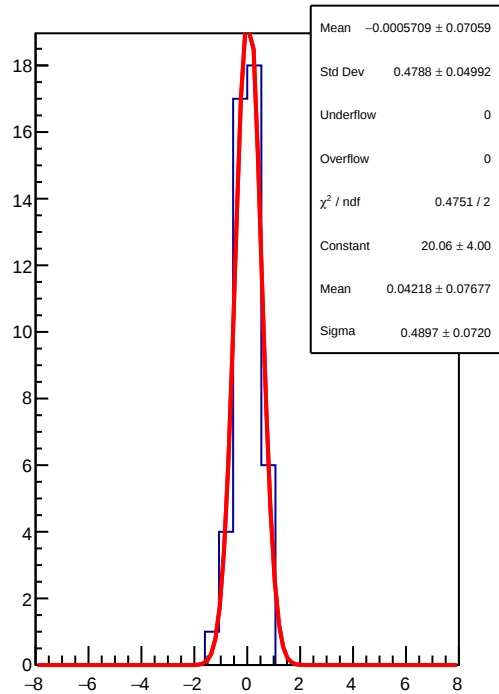
RMS (um)



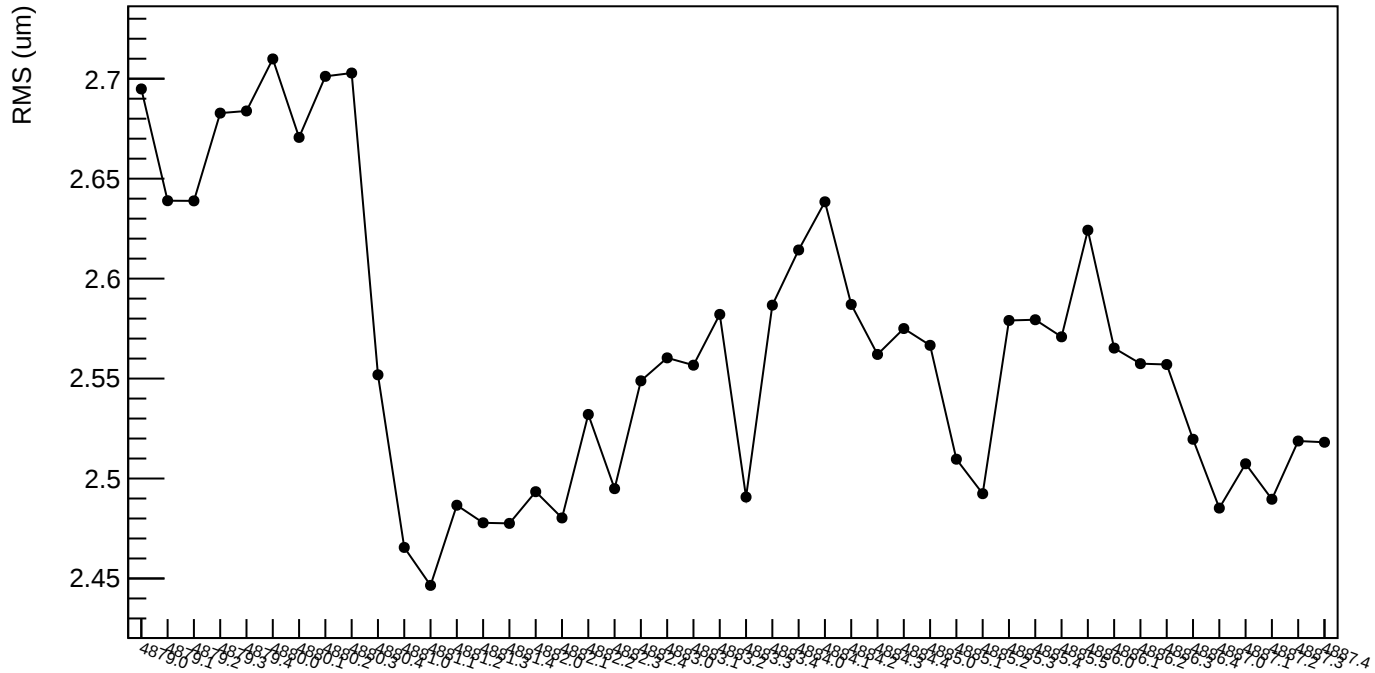
diff\_bpm1Y (nm)



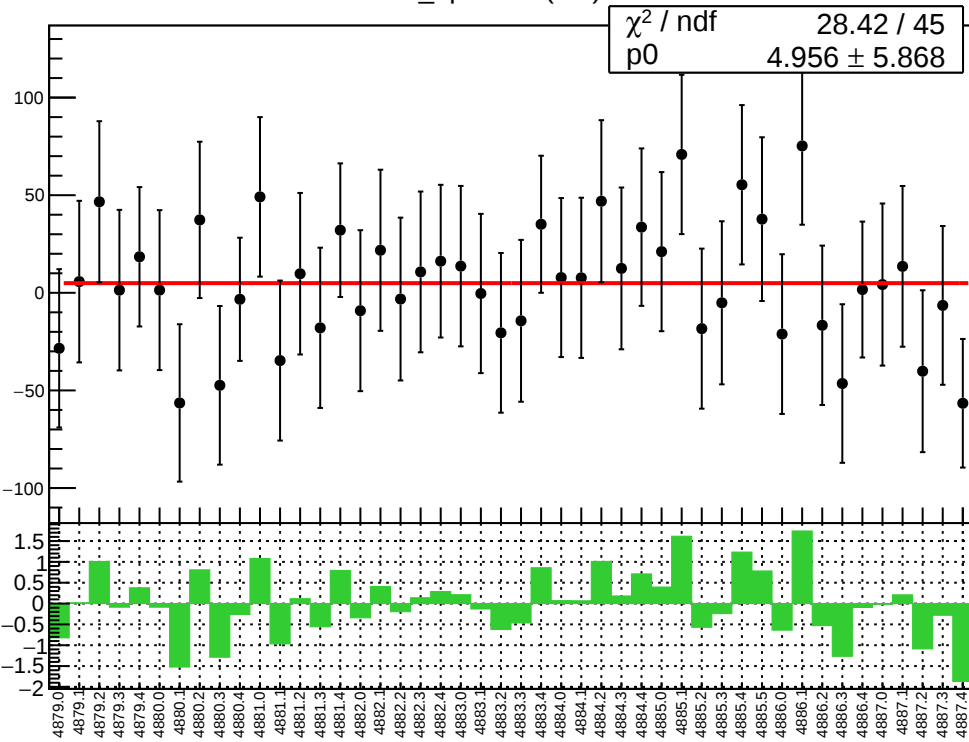
1D pull distribution



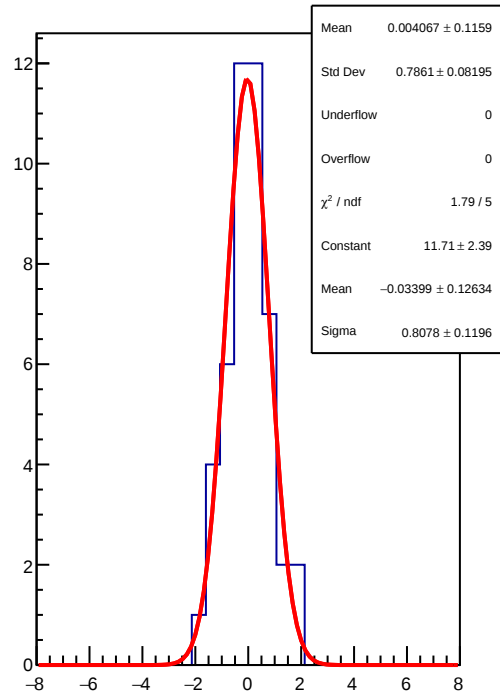
diff\_bpm1Y RMS (um)



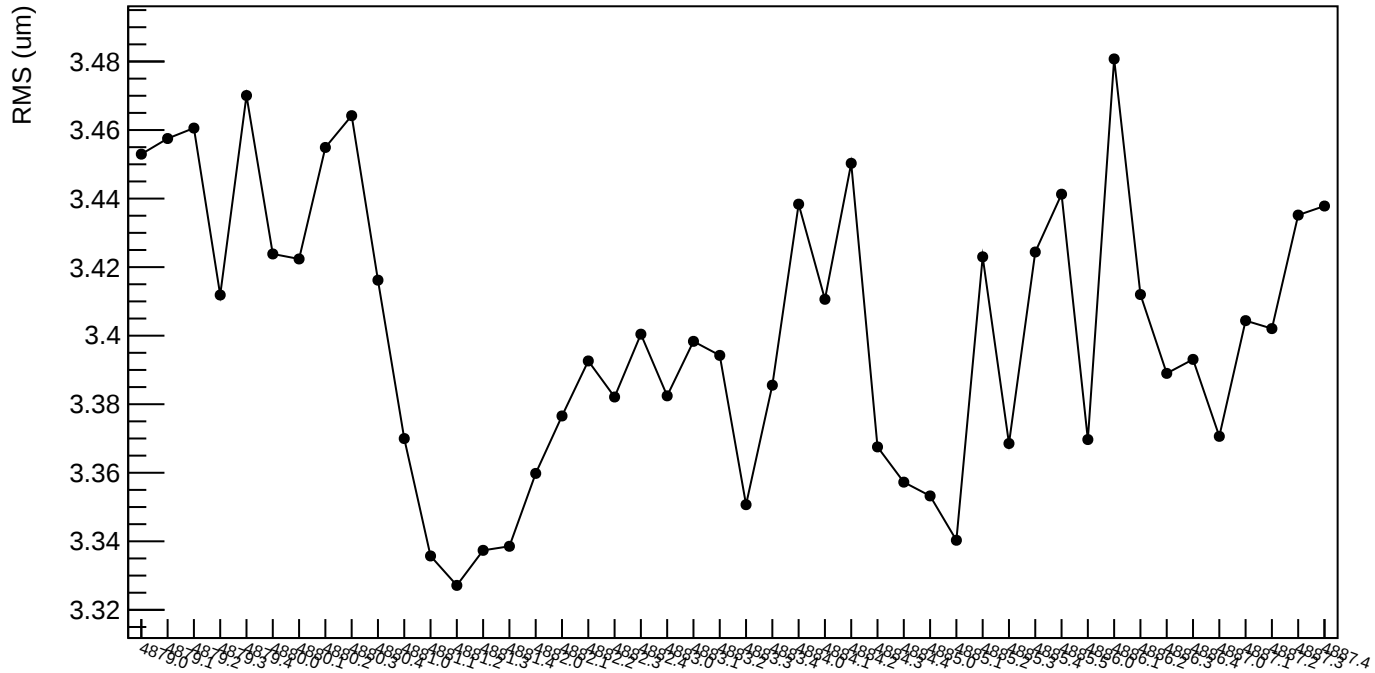
diff\_bpm16X (nm)



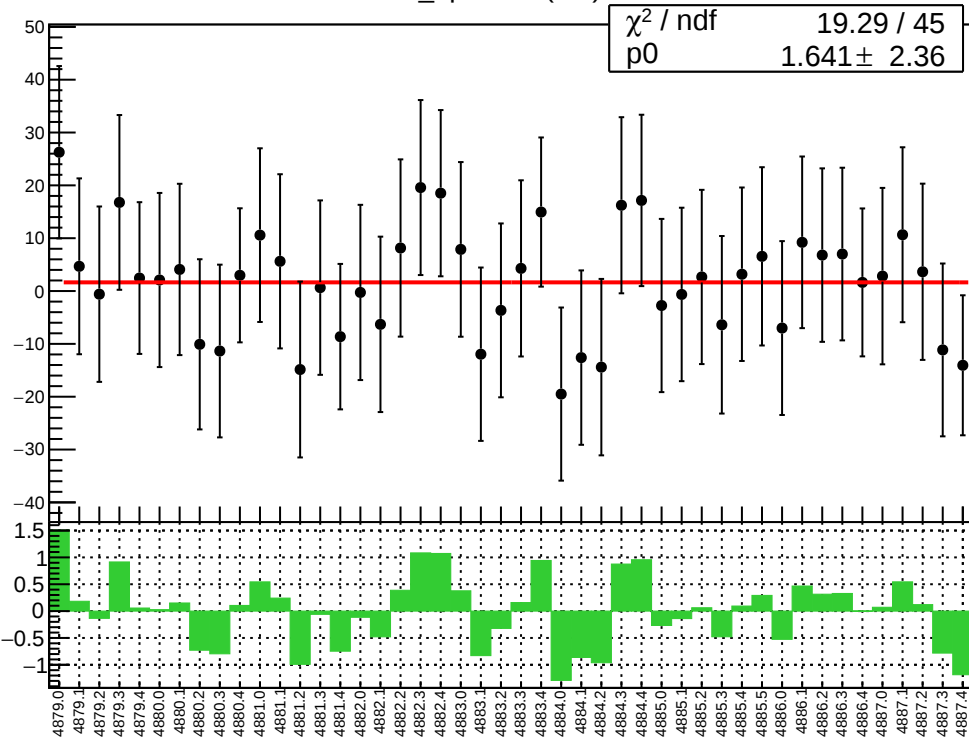
1D pull distribution



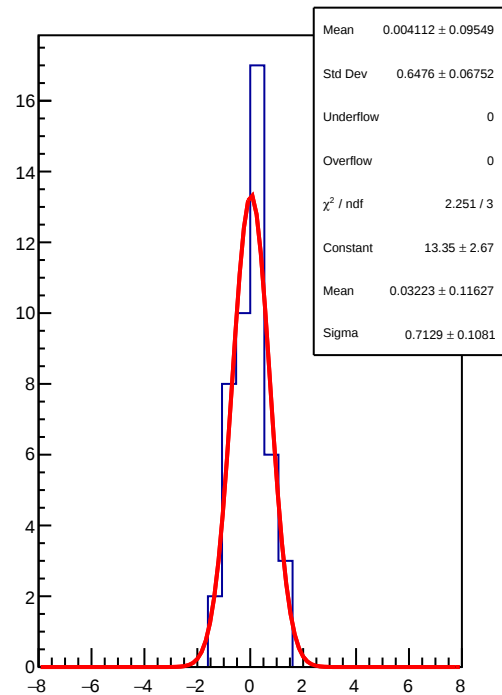
diff\_bpm16X RMS (um)



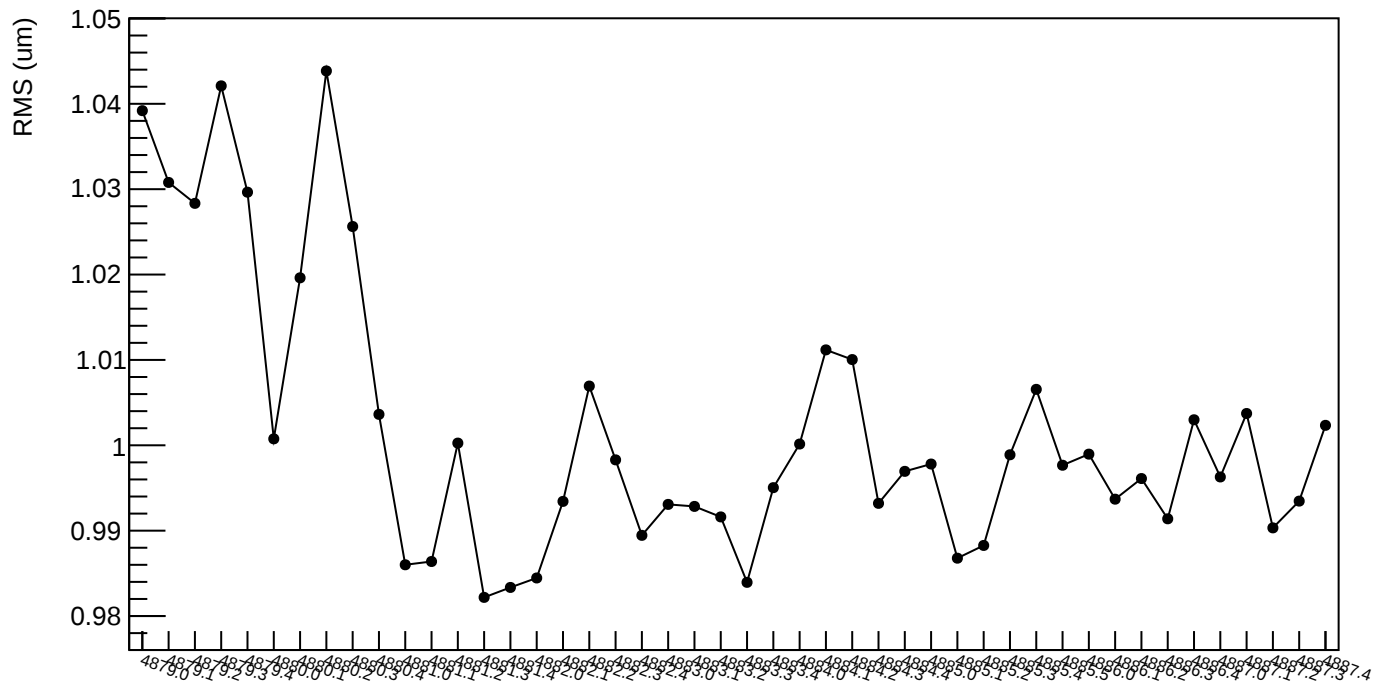
diff\_bpm16Y (nm)



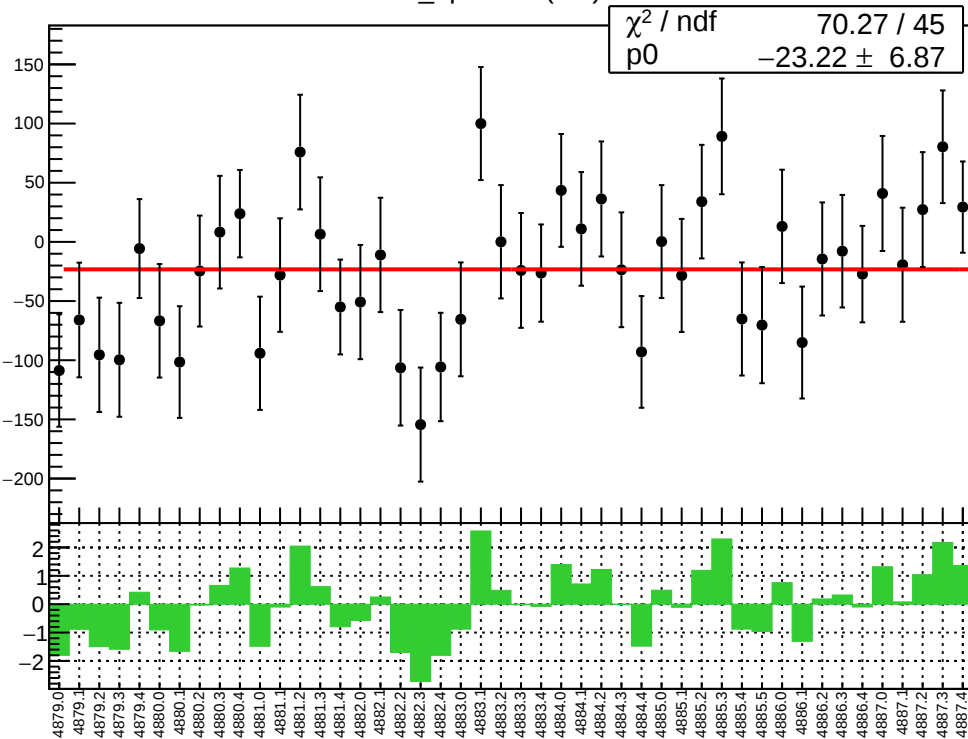
1D pull distribution



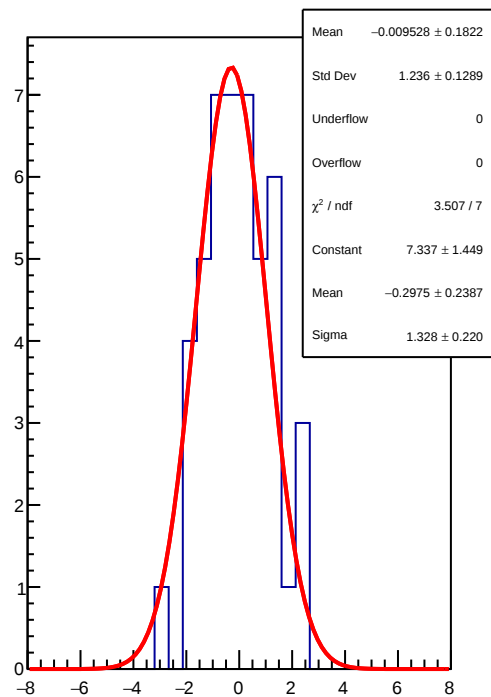
diff\_bpm16Y RMS (um)



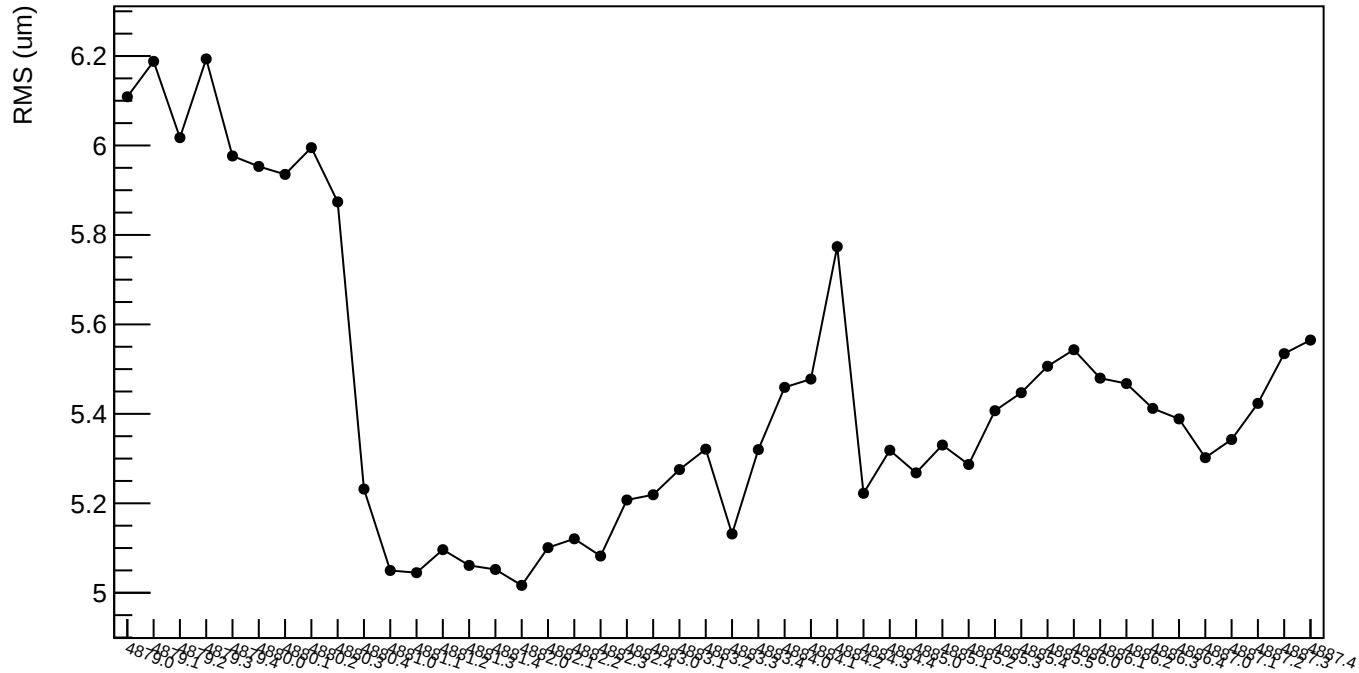
diff\_bpm12X (nm)



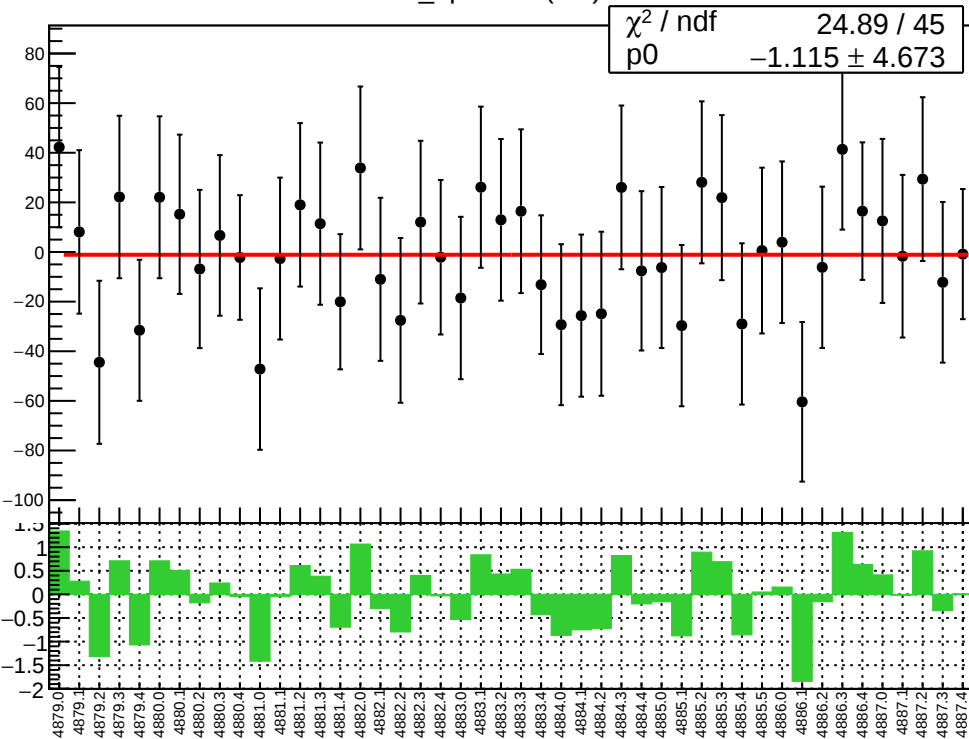
1D pull distribution



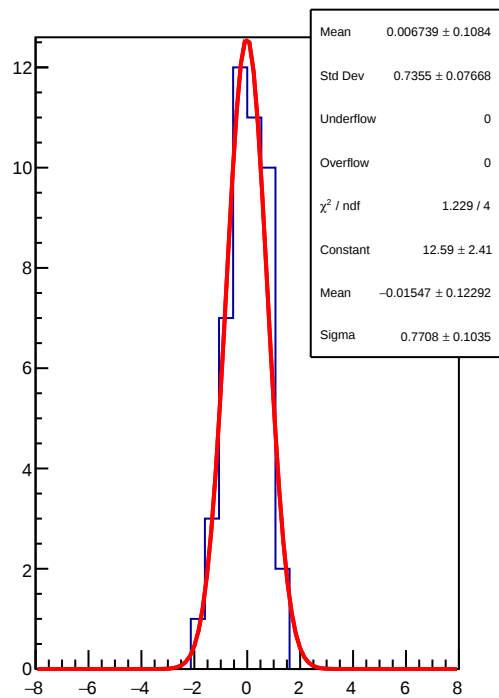
diff\_bpm12X RMS (um)



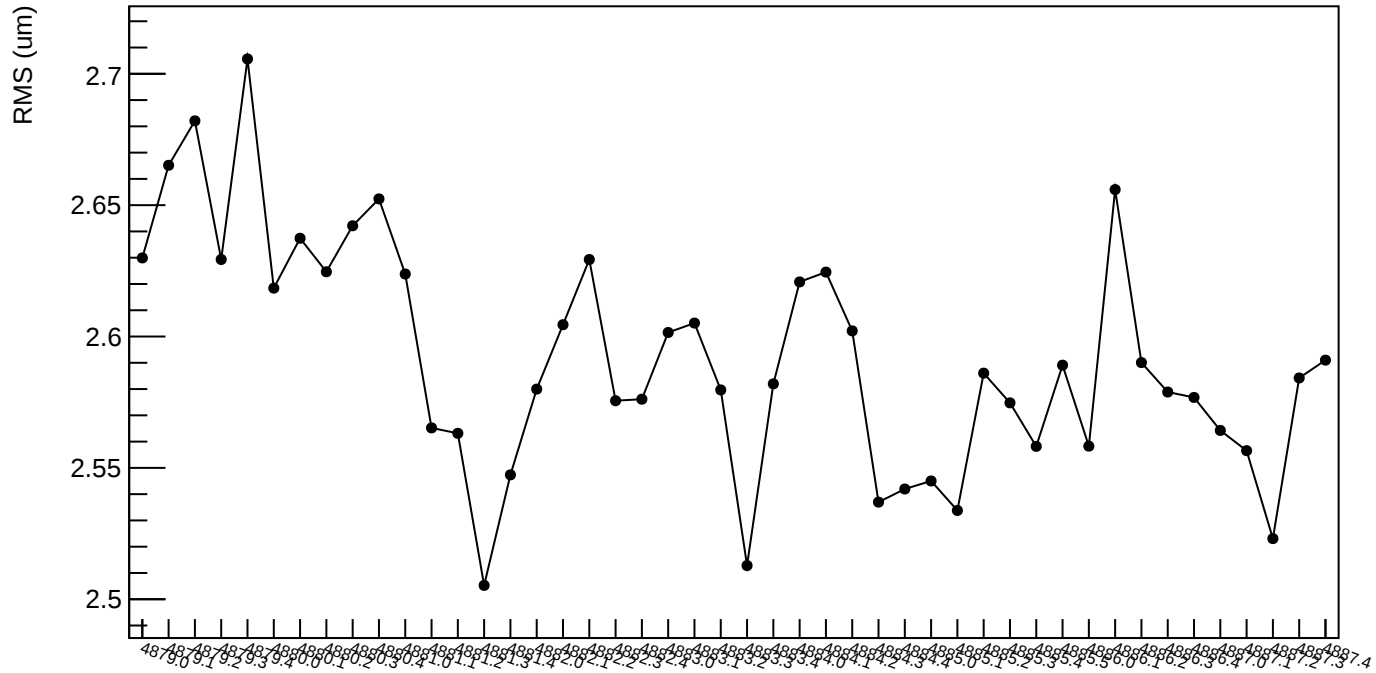
diff\_bpm12Y (nm)



1D pull distribution



diff\_bpm12Y RMS (um)

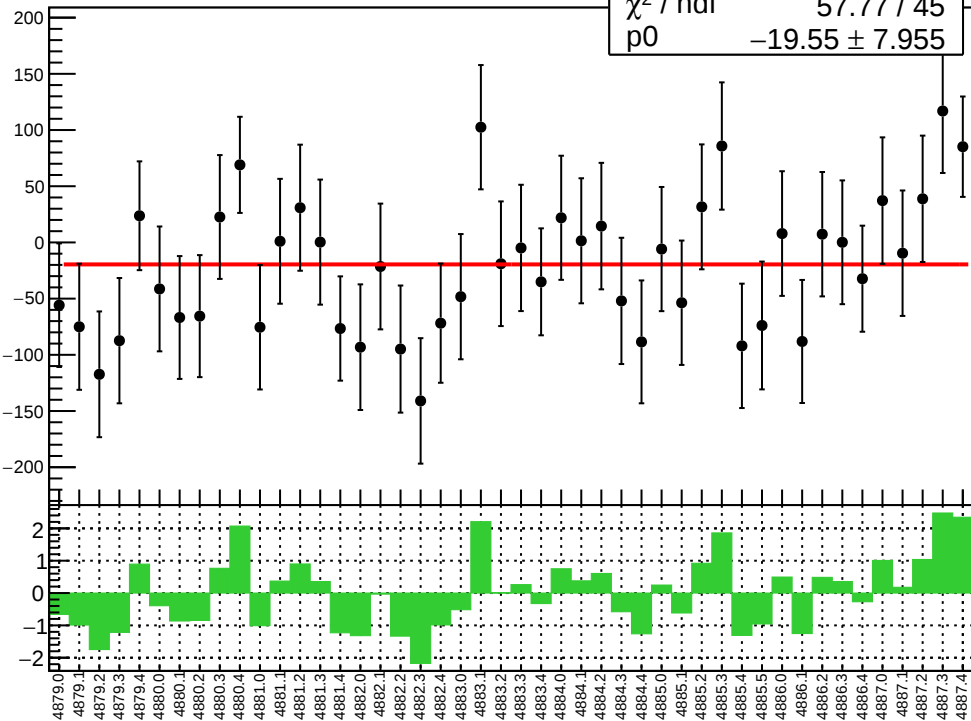


diff\_bpm11X (nm)

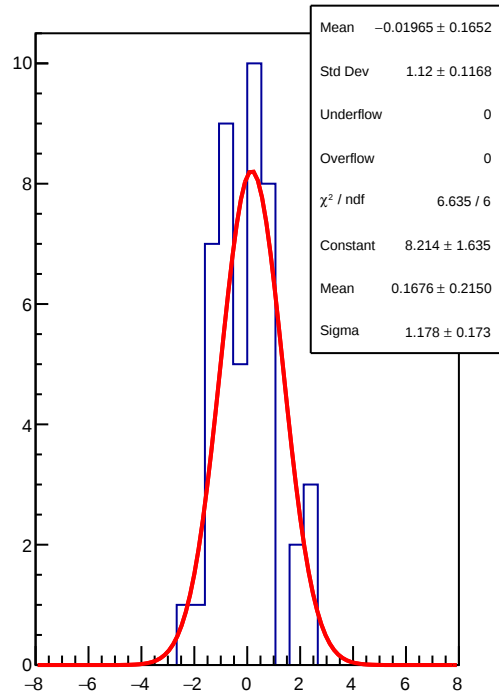
 $\chi^2 / \text{ndf}$ 

57.77 / 45

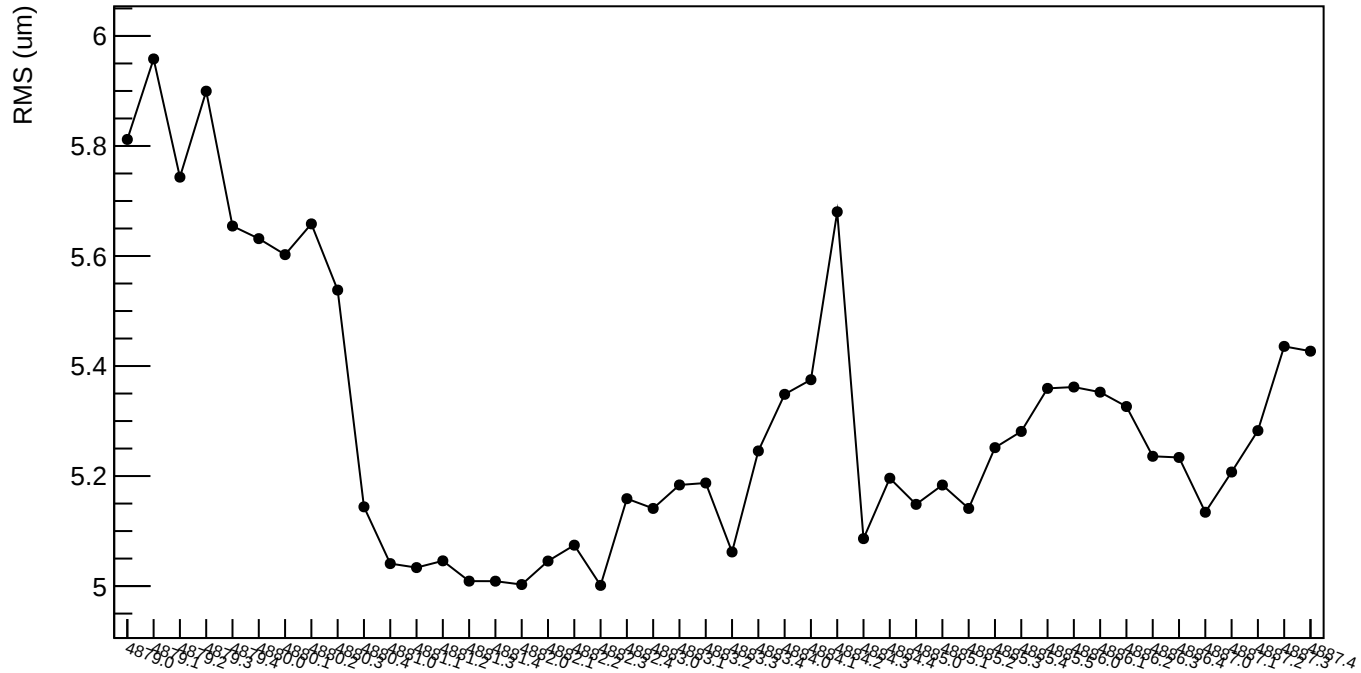
p0

 $-19.55 \pm 7.955$ 

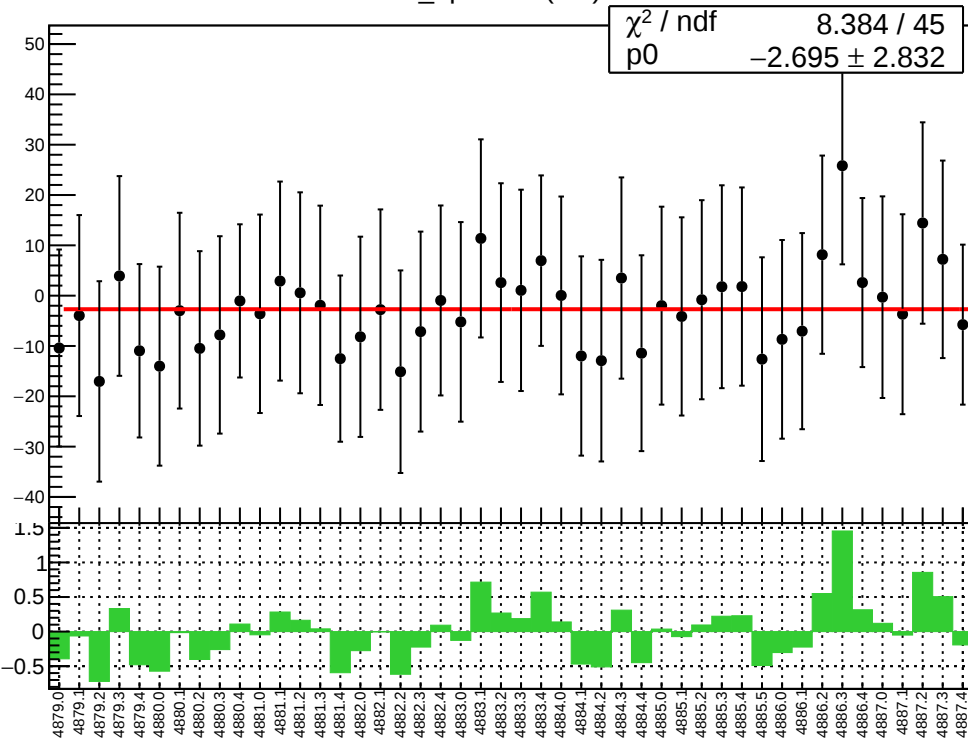
1D pull distribution



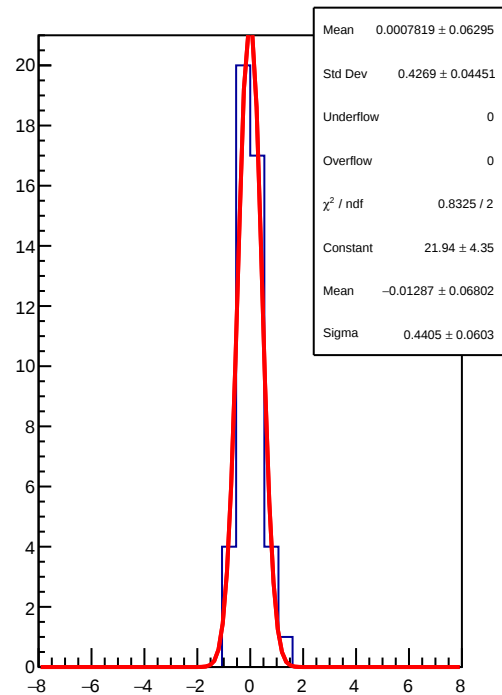
diff\_bpm11X RMS (um)



diff\_bpm11Y (nm)

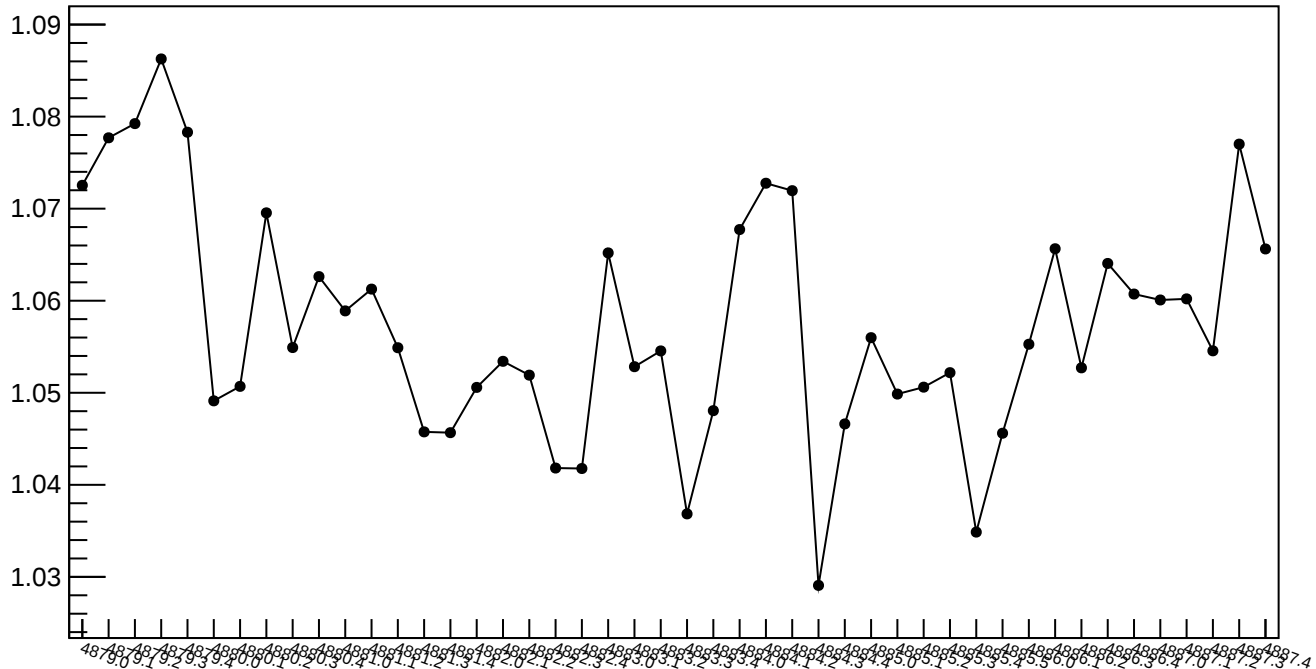


1D pull distribution

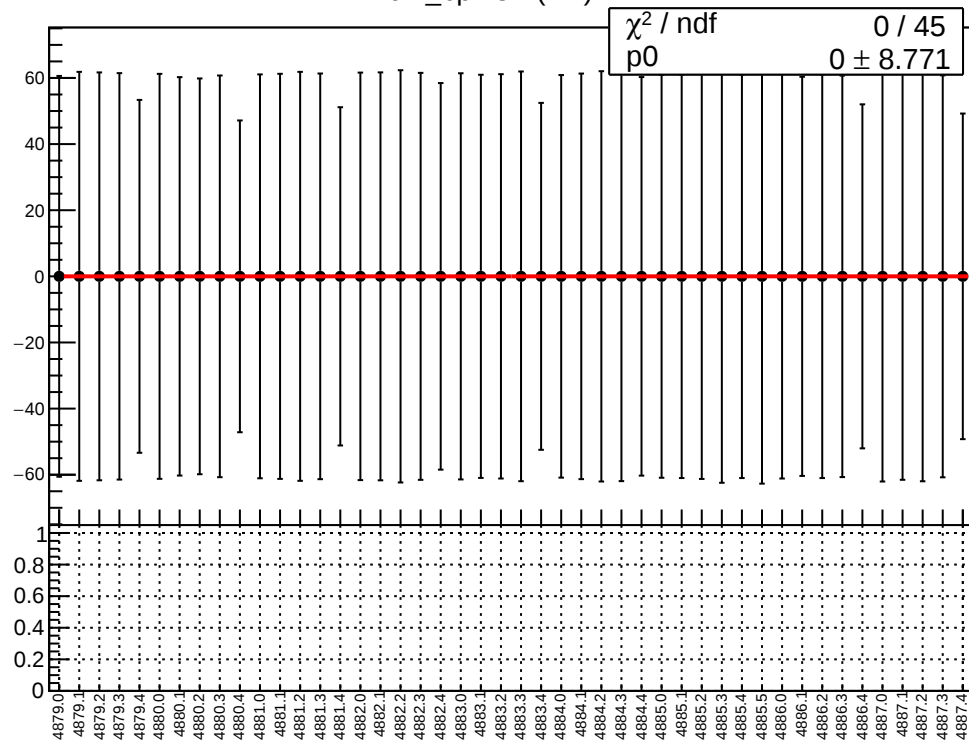


diff\_bpm11Y RMS (um)

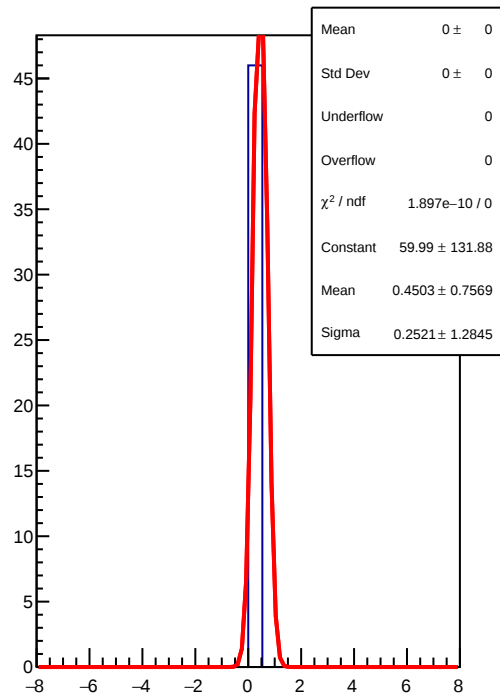
RMS (um)



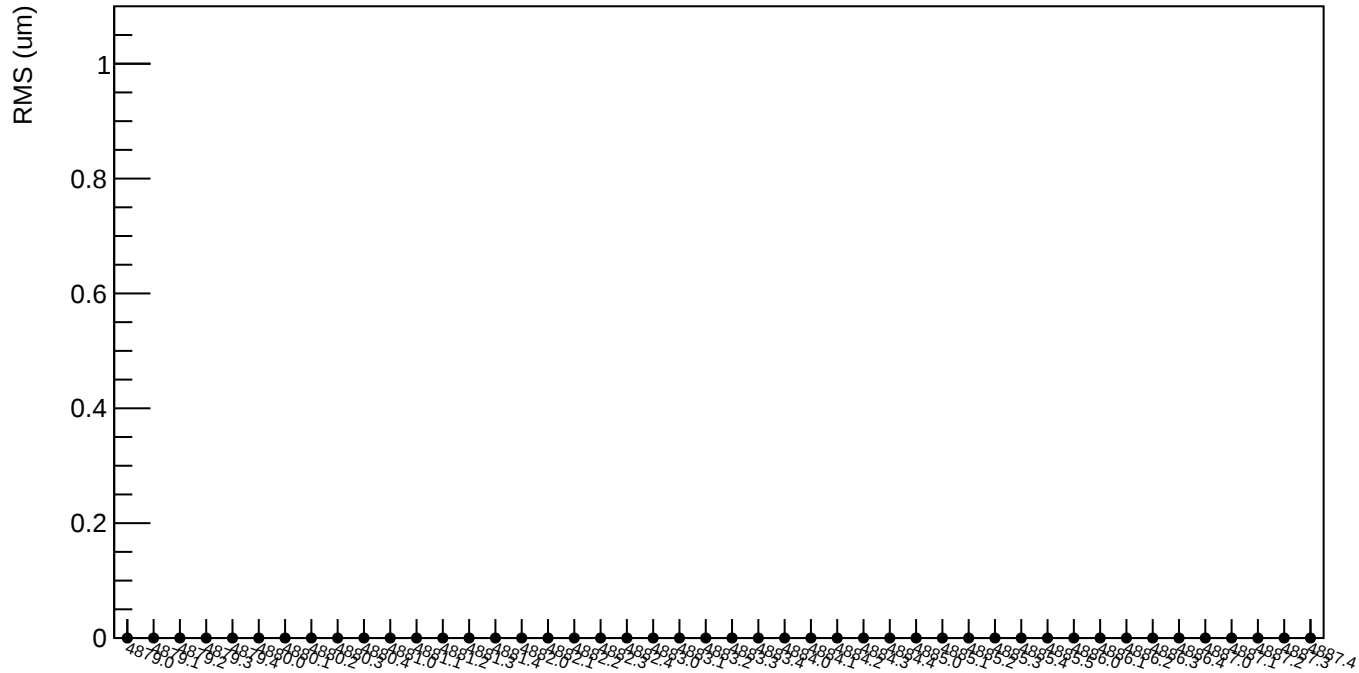
diff\_bpm8X (nm)



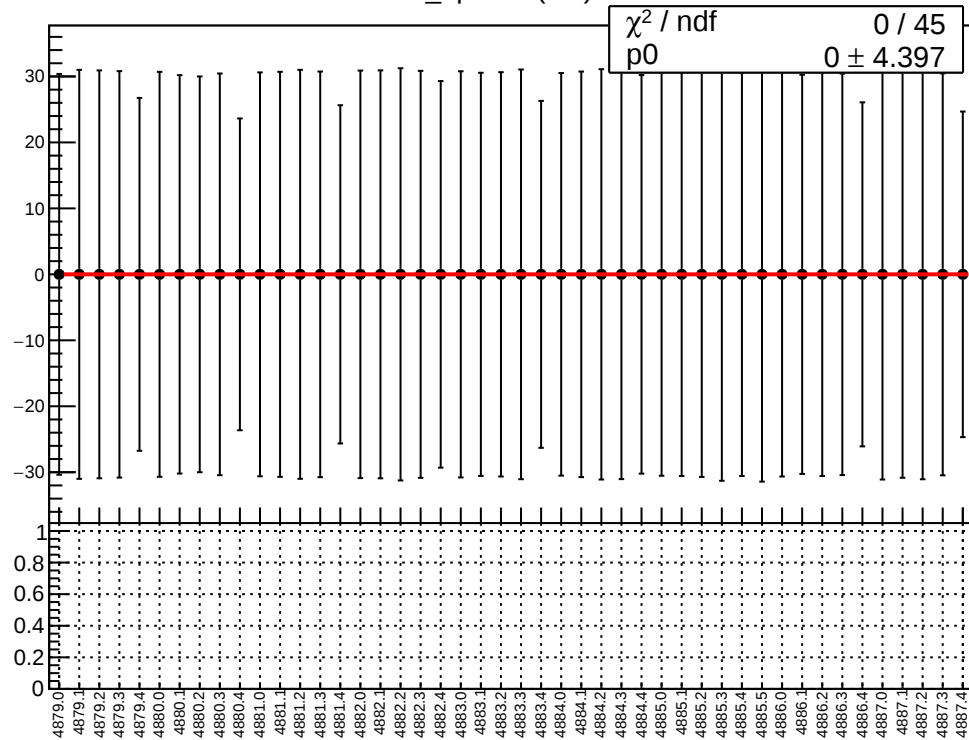
1D pull distribution



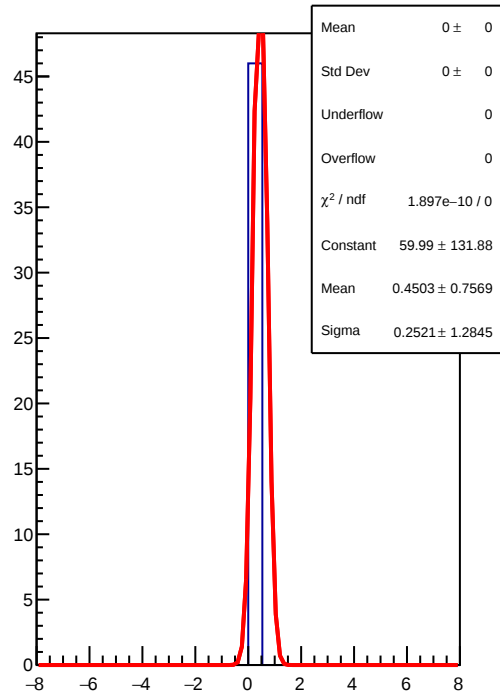
diff\_bpm8X RMS (um)



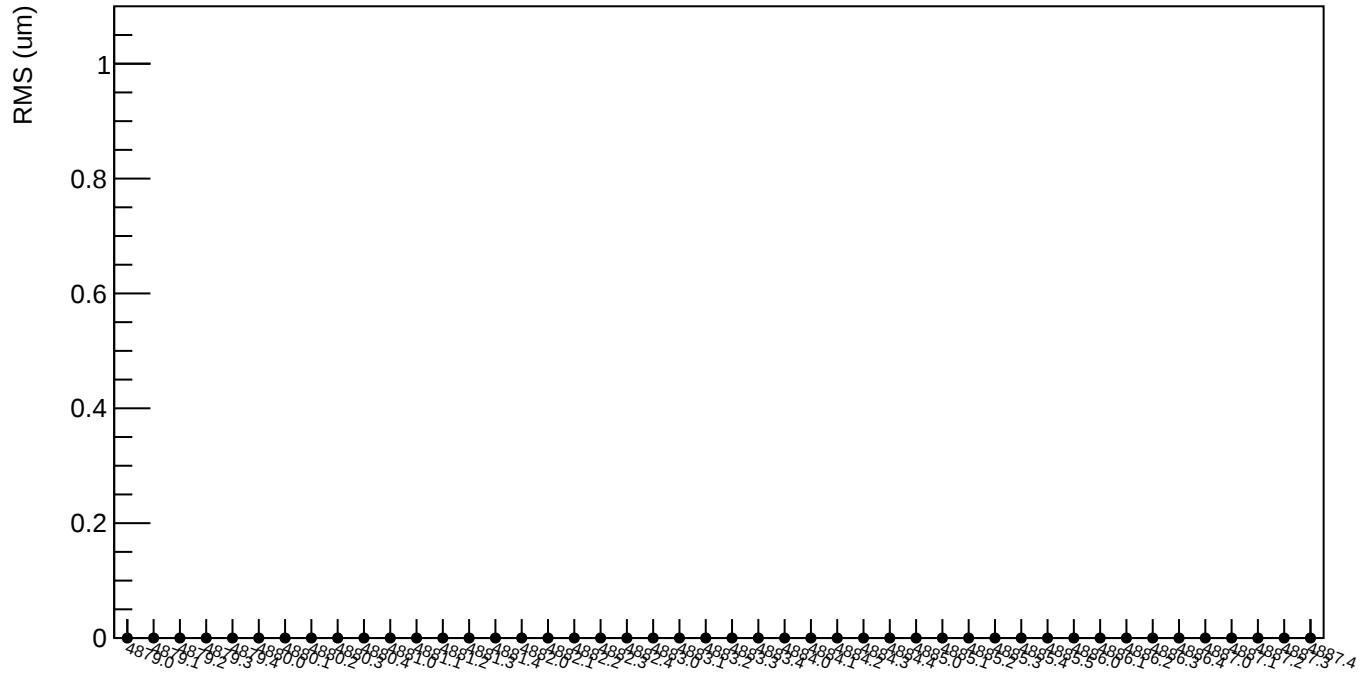
diff\_bpm8Y (nm)



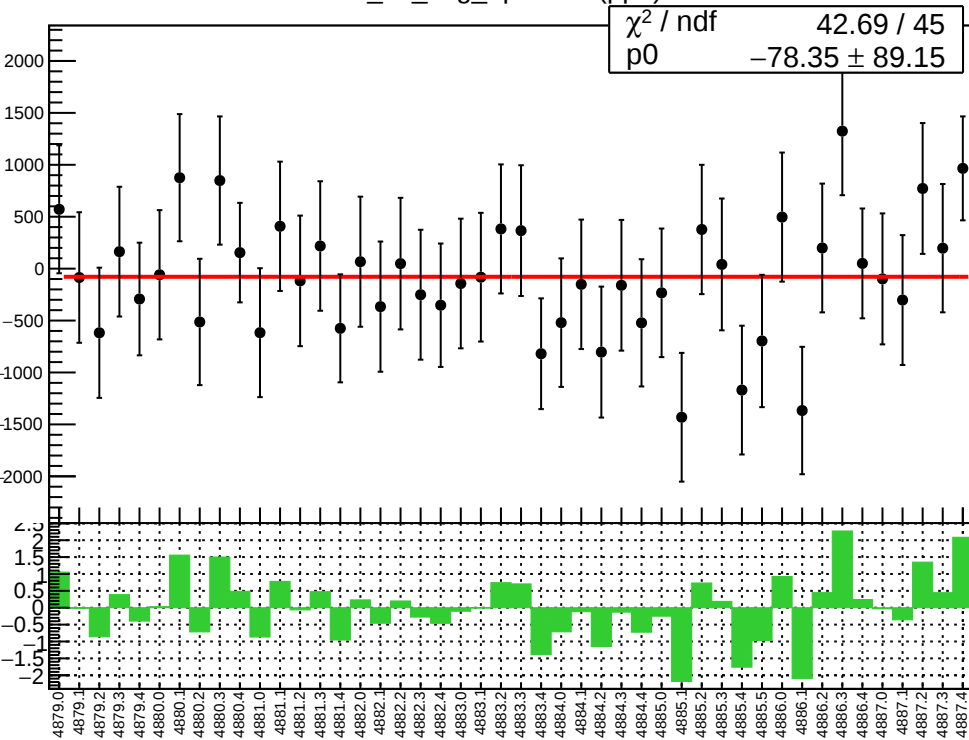
1D pull distribution



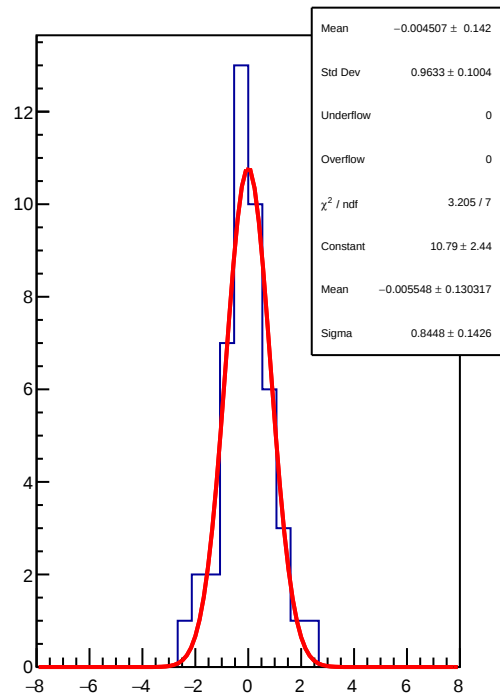
diff\_bpm8Y RMS (um)



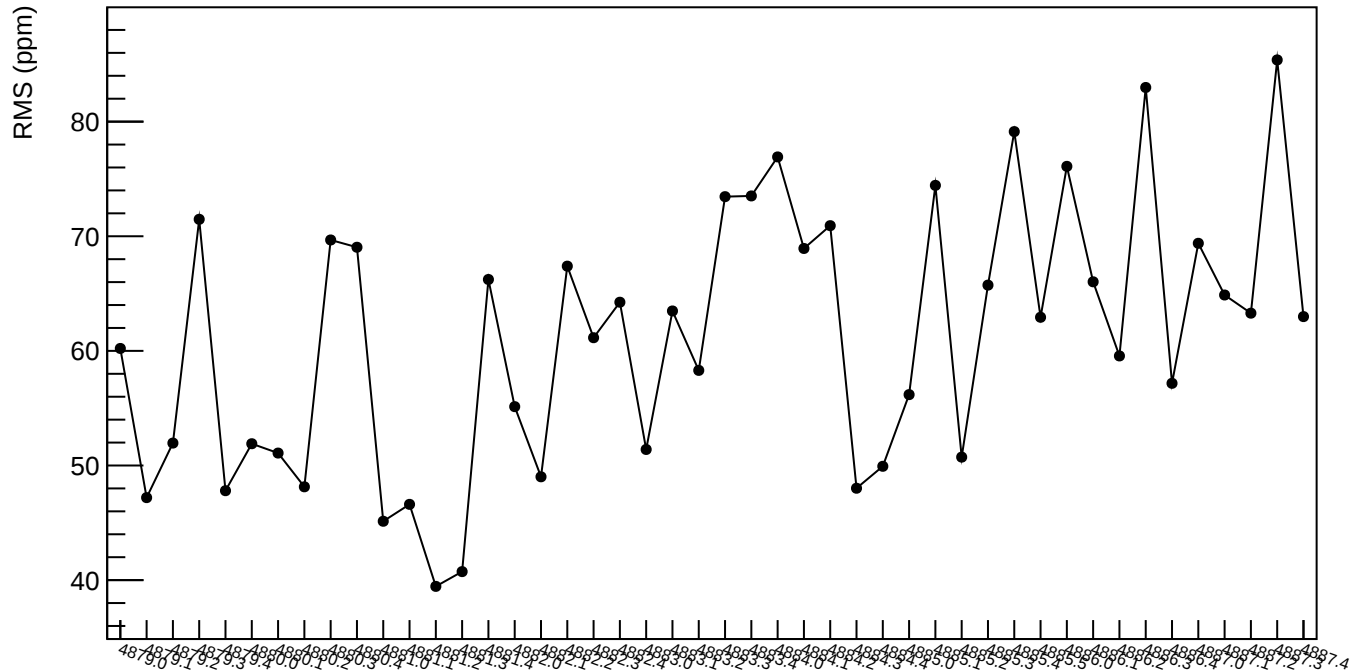
corr\_us\_avg\_bpm4eX (ppb)



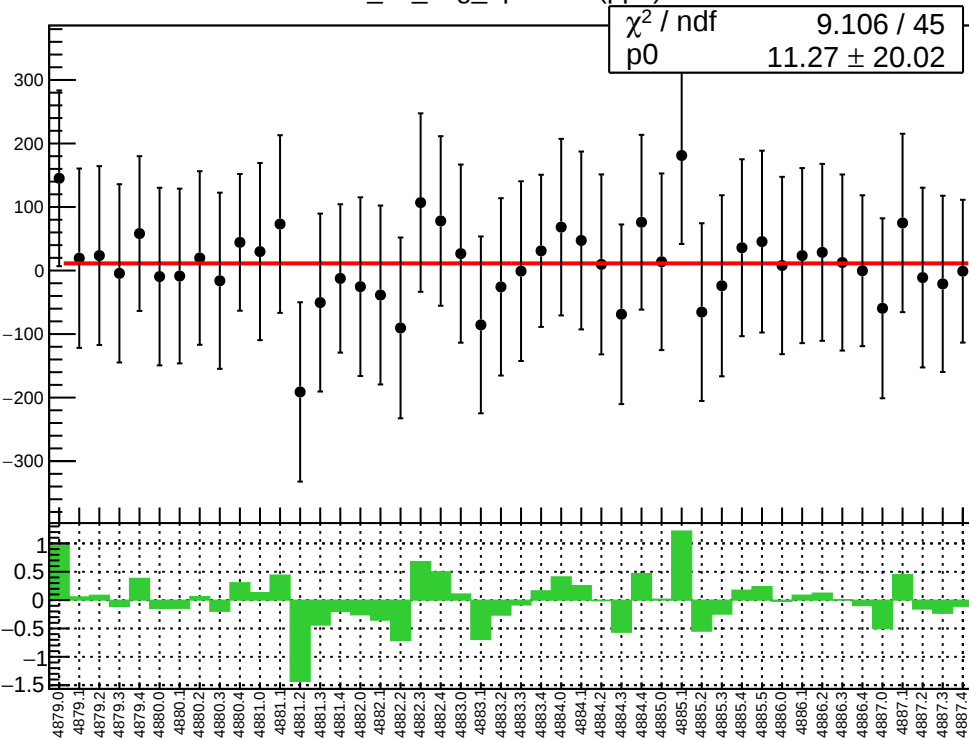
1D pull distribution



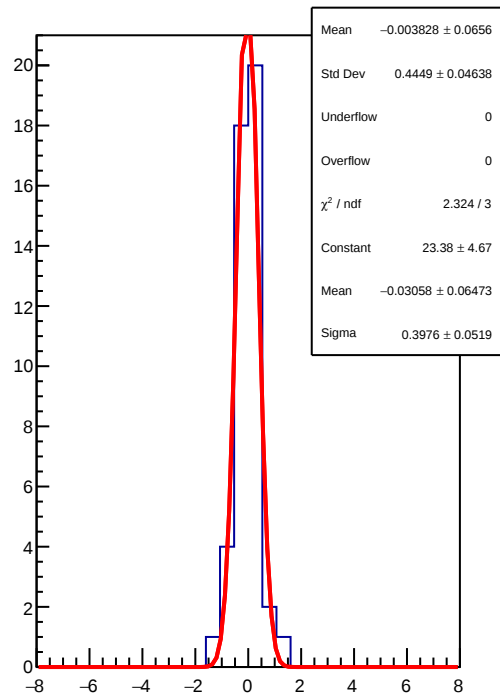
corr\_us\_avg\_bpm4eX RMS (ppm)



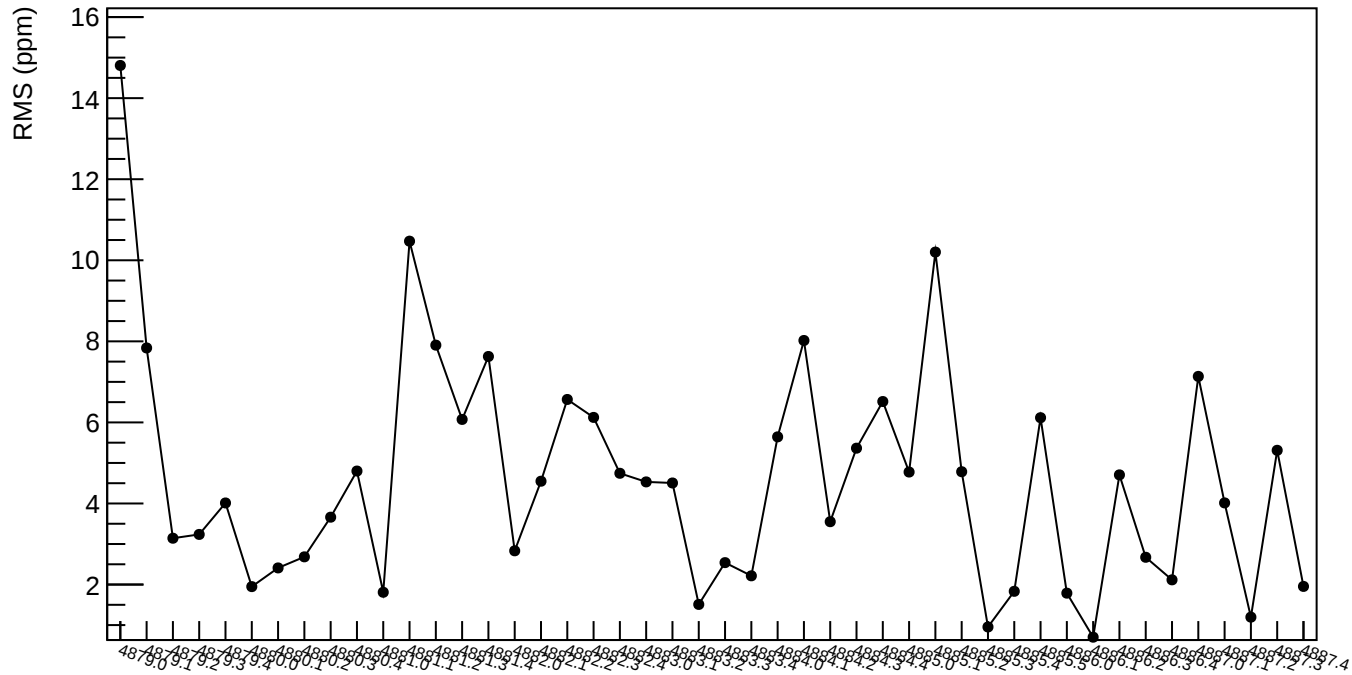
corr\_us\_avg\_bpm4eY (ppb)



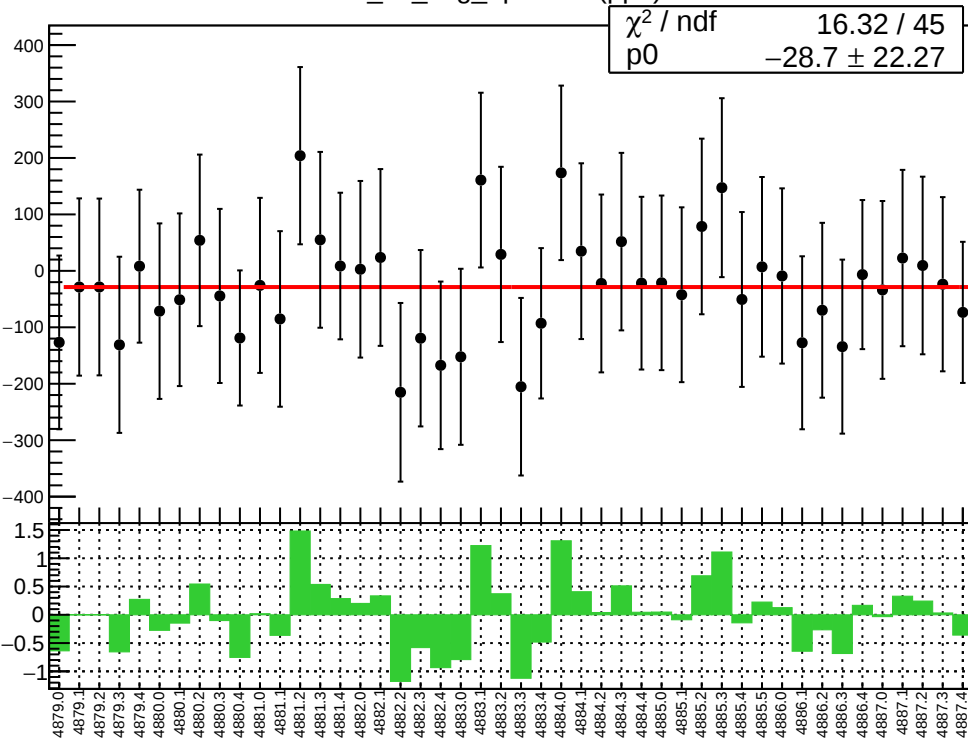
1D pull distribution



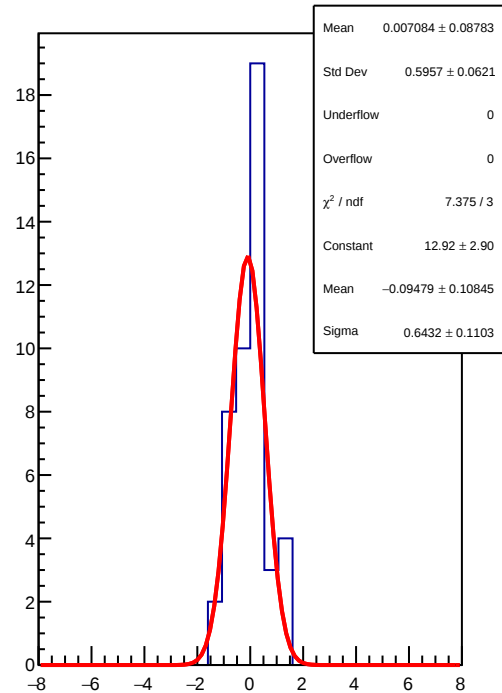
corr\_us\_avg\_bpm4eY RMS (ppm)



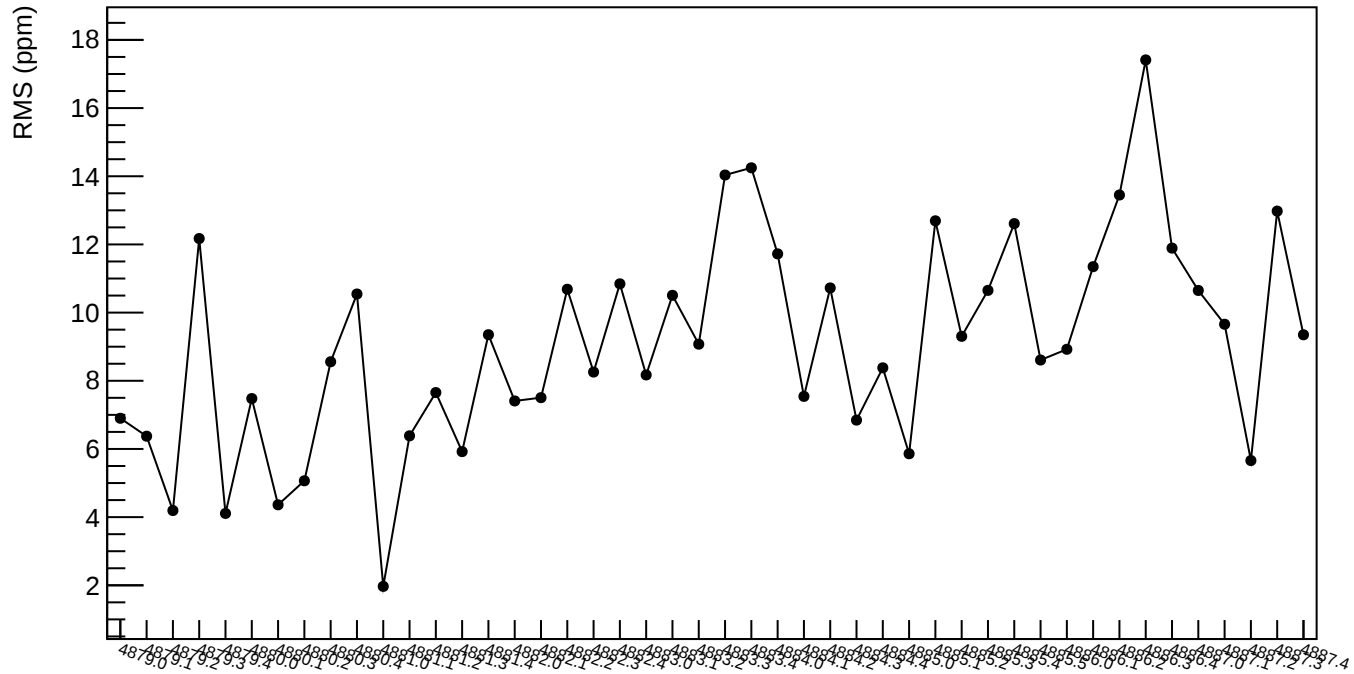
corr\_us\_avg\_bpm4aX (ppb)



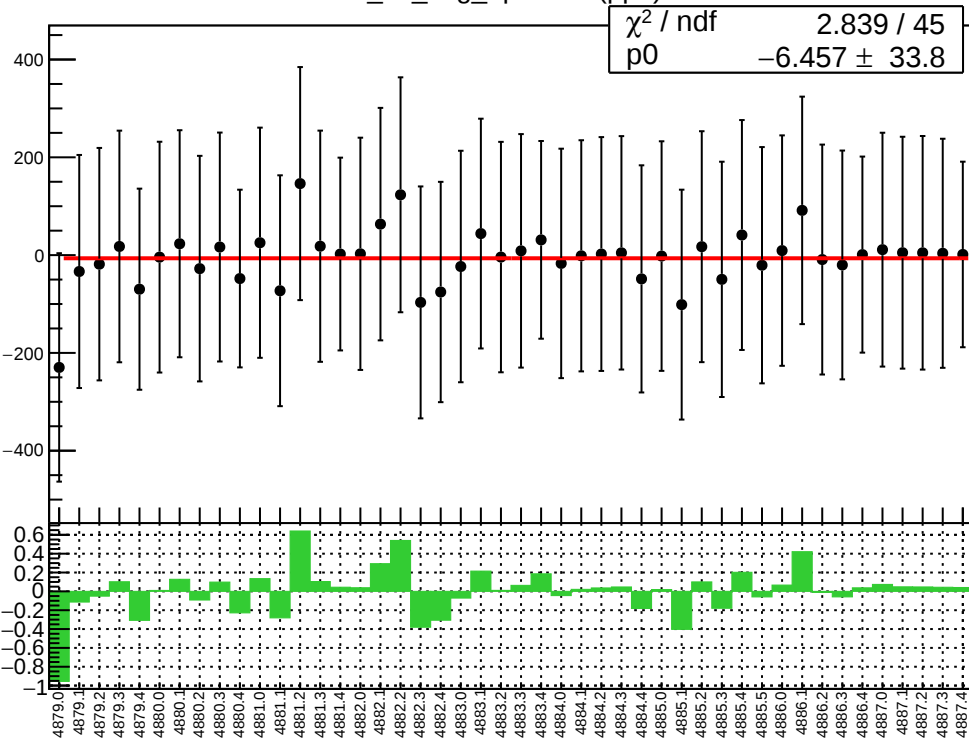
1D pull distribution



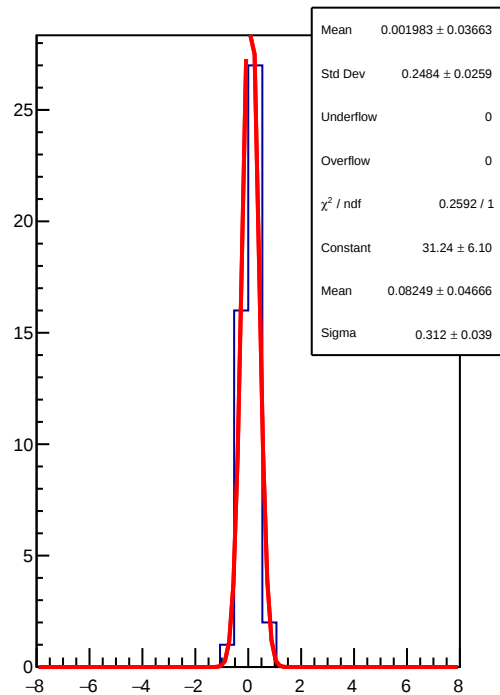
corr\_us\_avg\_bpm4aX RMS (ppm)



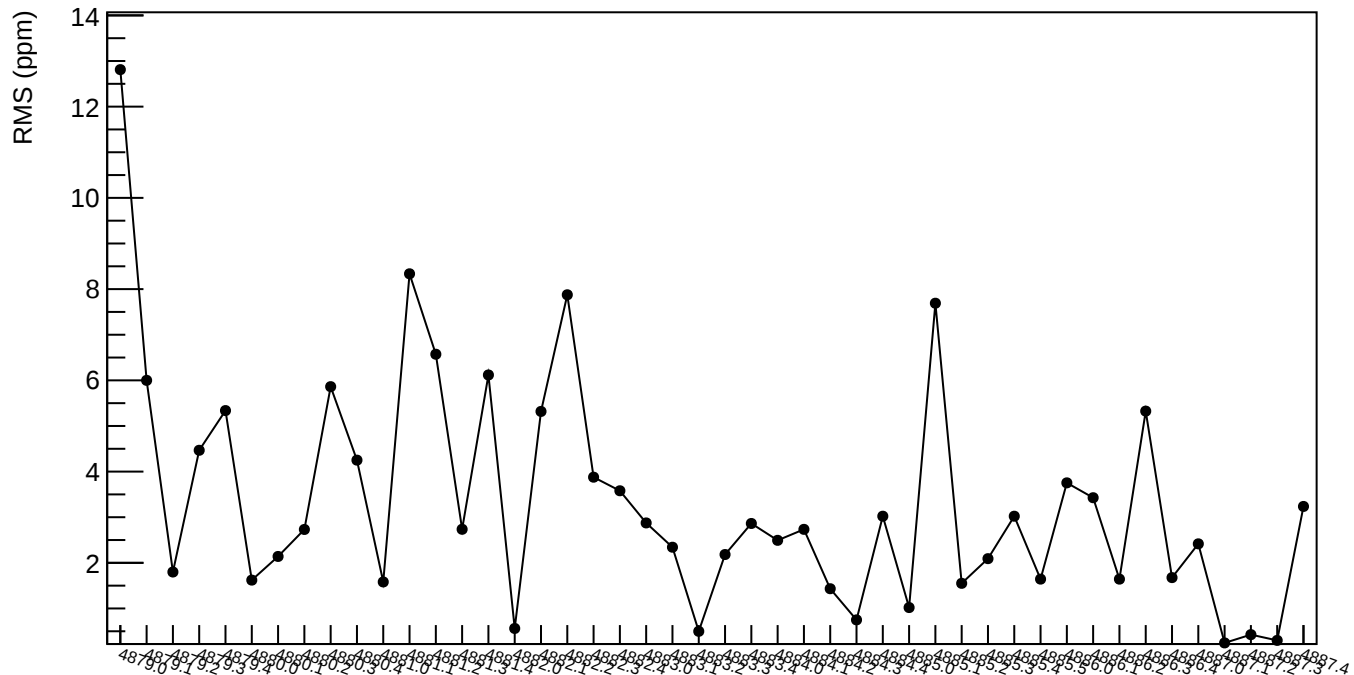
corr\_us\_avg\_bpm4aY (ppb)



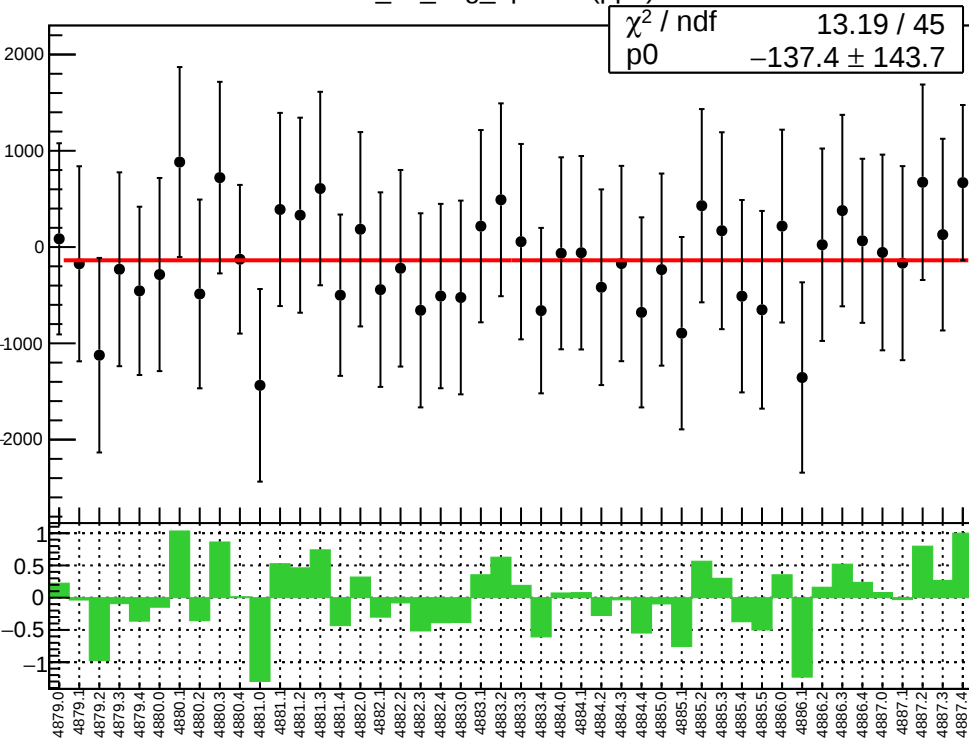
1D pull distribution



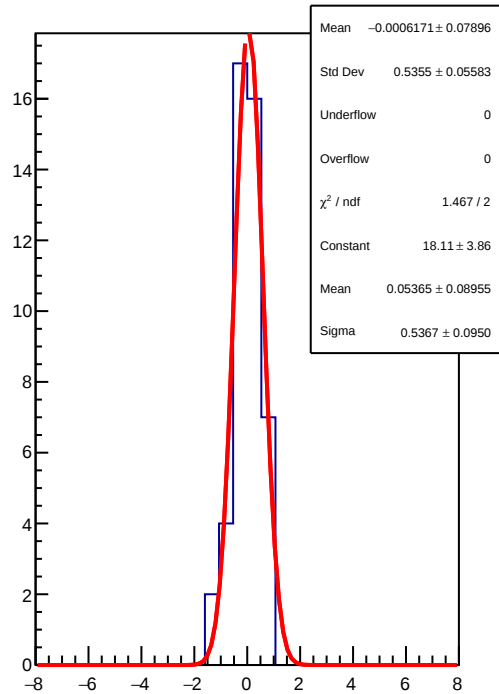
corr\_us\_avg\_bpm4aY RMS (ppm)



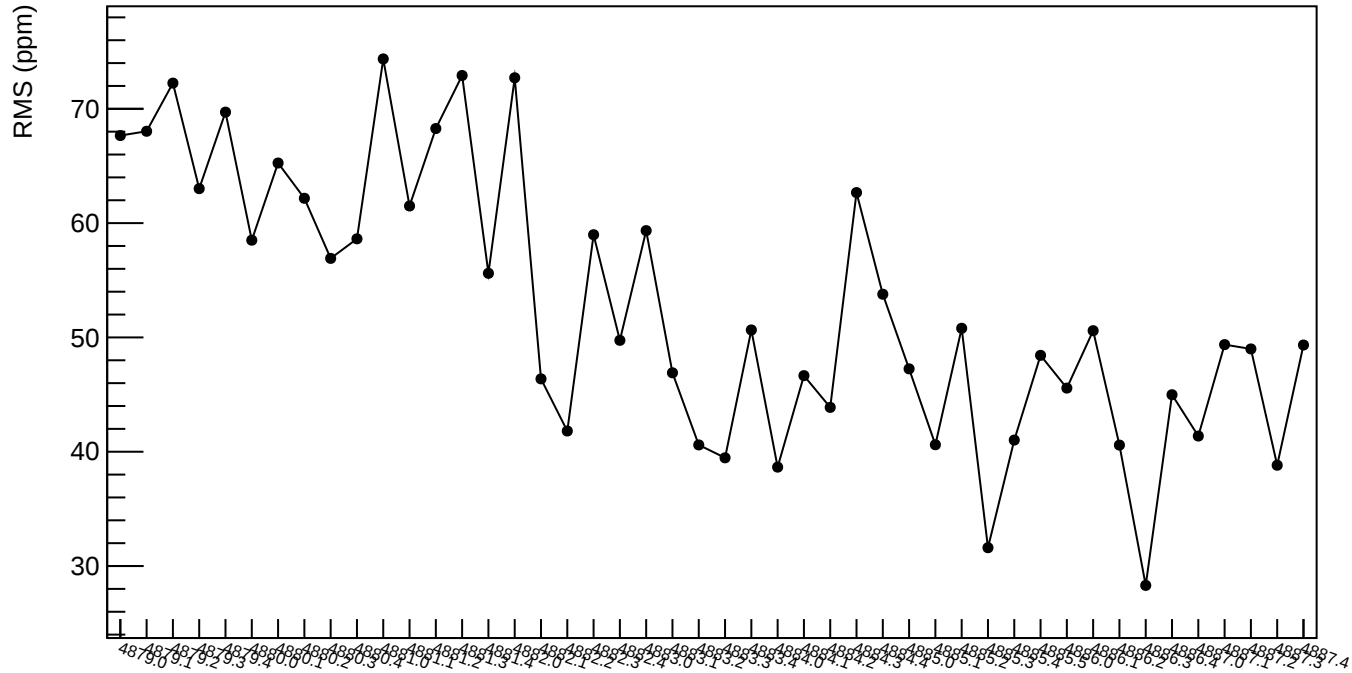
corr\_us\_avg\_bpm1X (ppb)



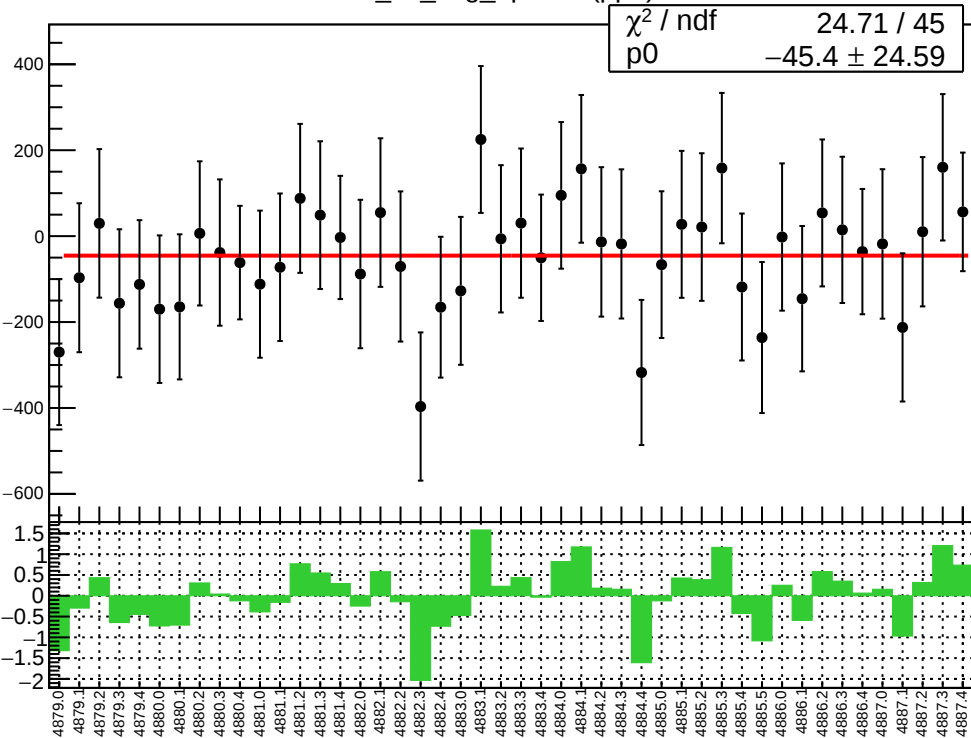
1D pull distribution



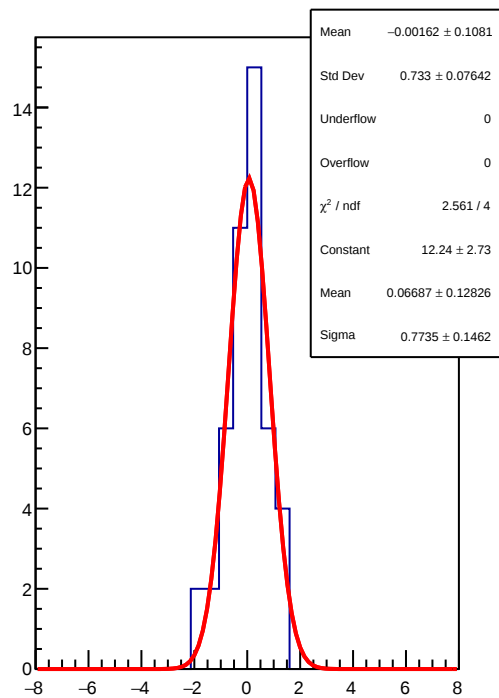
corr\_us\_avg\_bpm1X RMS (ppm)



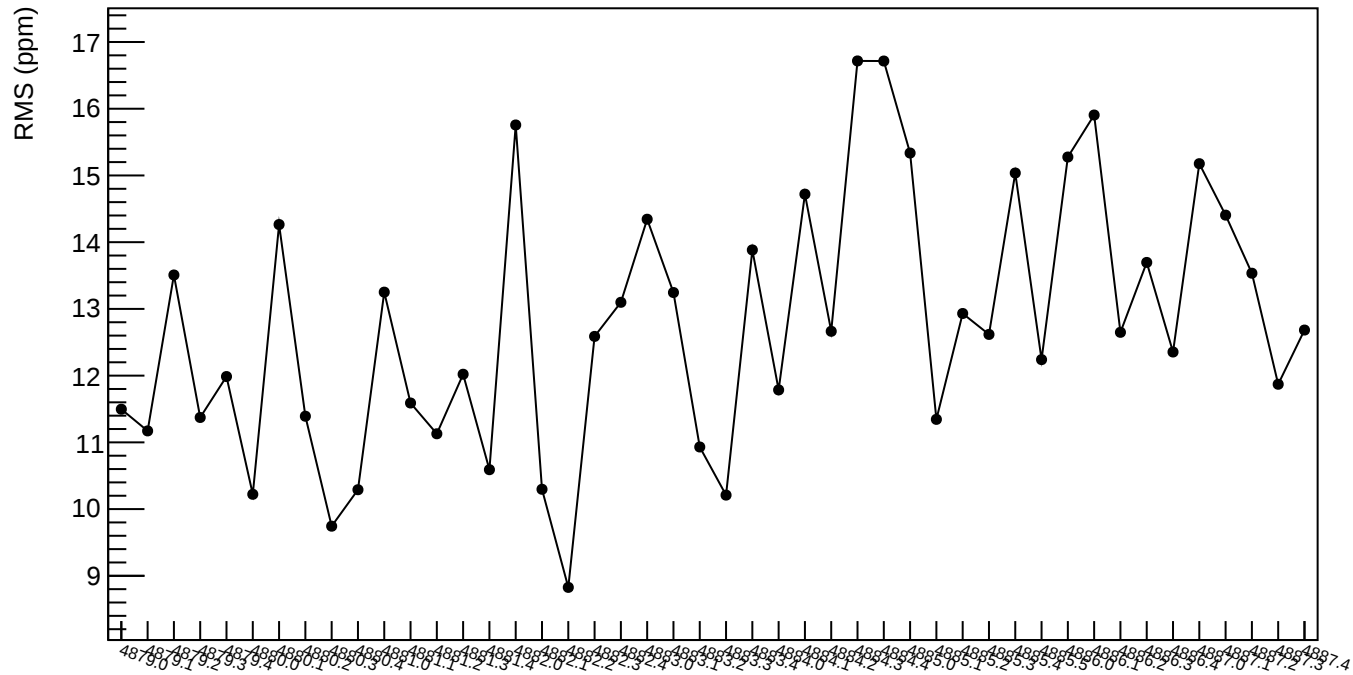
corr\_us\_avg\_bpm1Y (ppb)



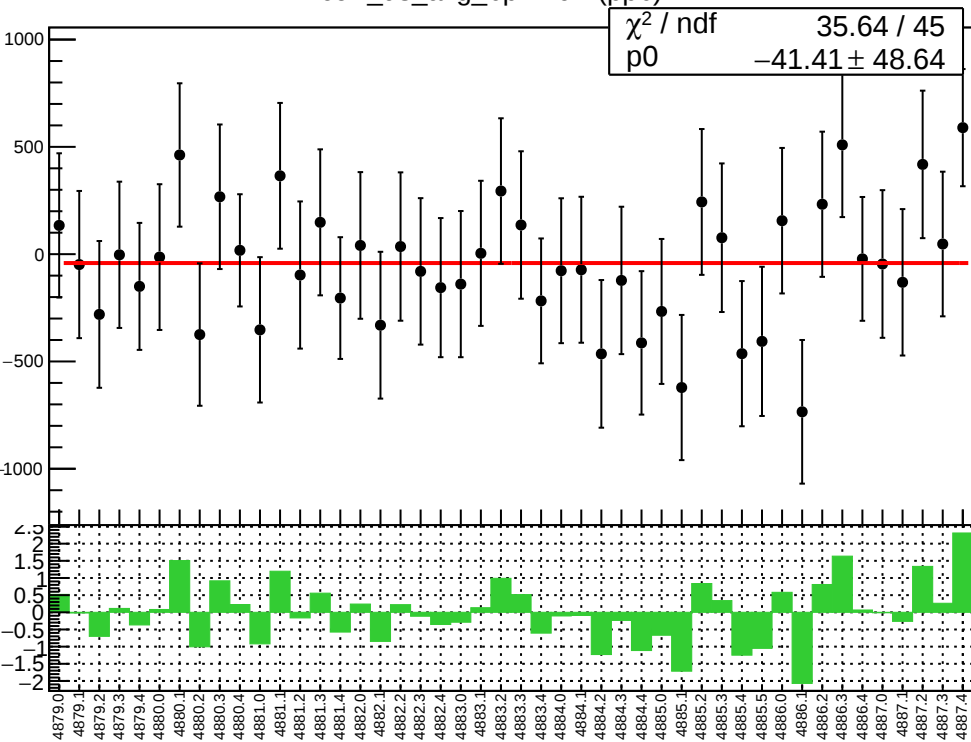
1D pull distribution



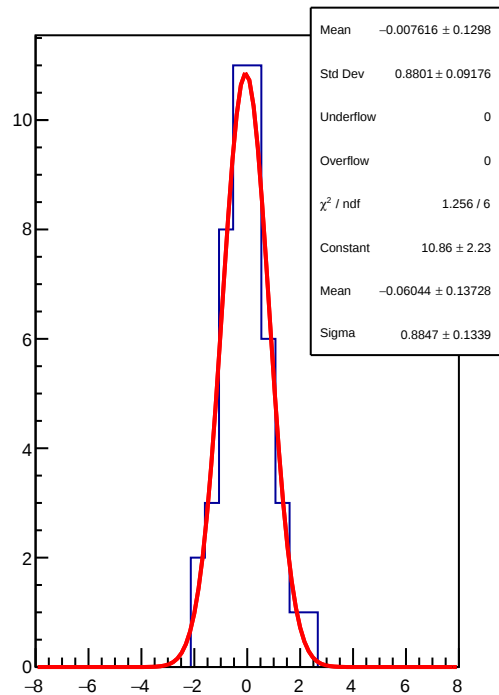
corr\_us\_avg\_bpm1Y RMS (ppm)



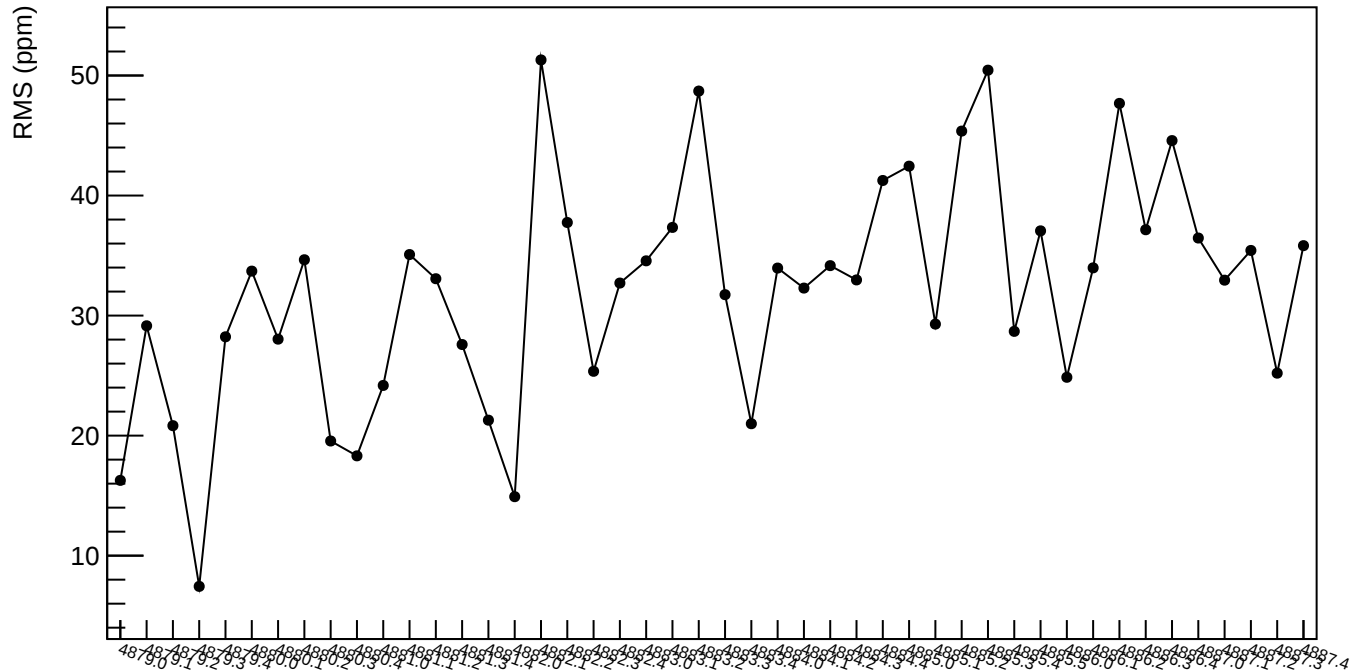
corr\_us\_avg\_bpm16X (ppb)



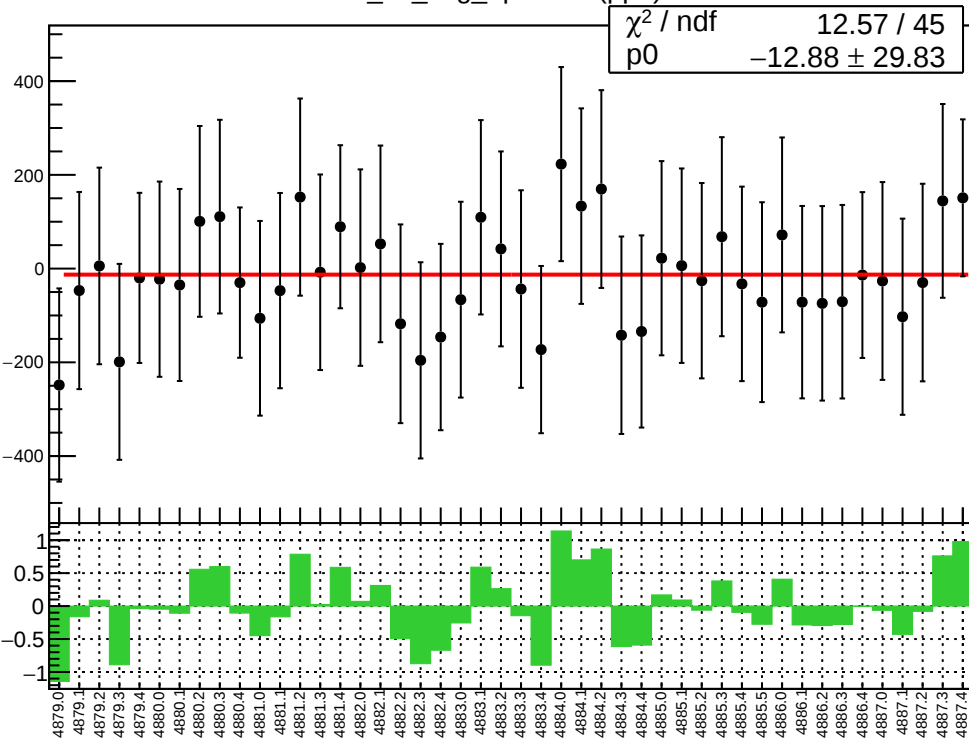
1D pull distribution



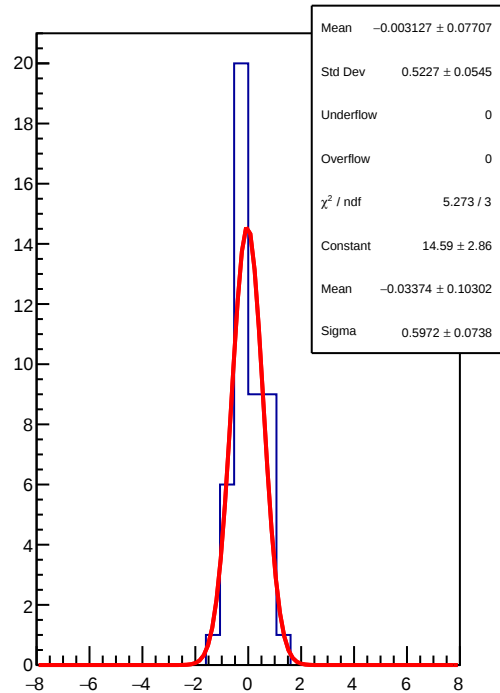
corr\_us\_avg\_bpm16X RMS (ppm)



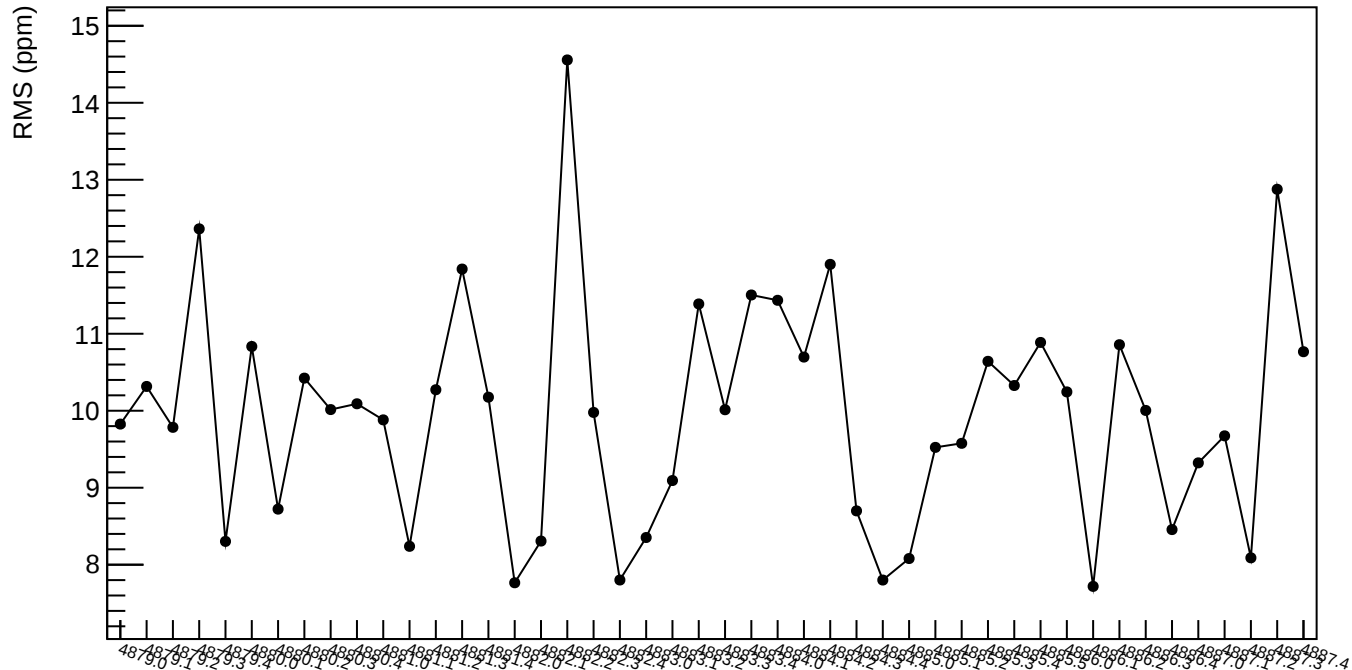
corr\_us\_avg\_bpm16Y (ppb)



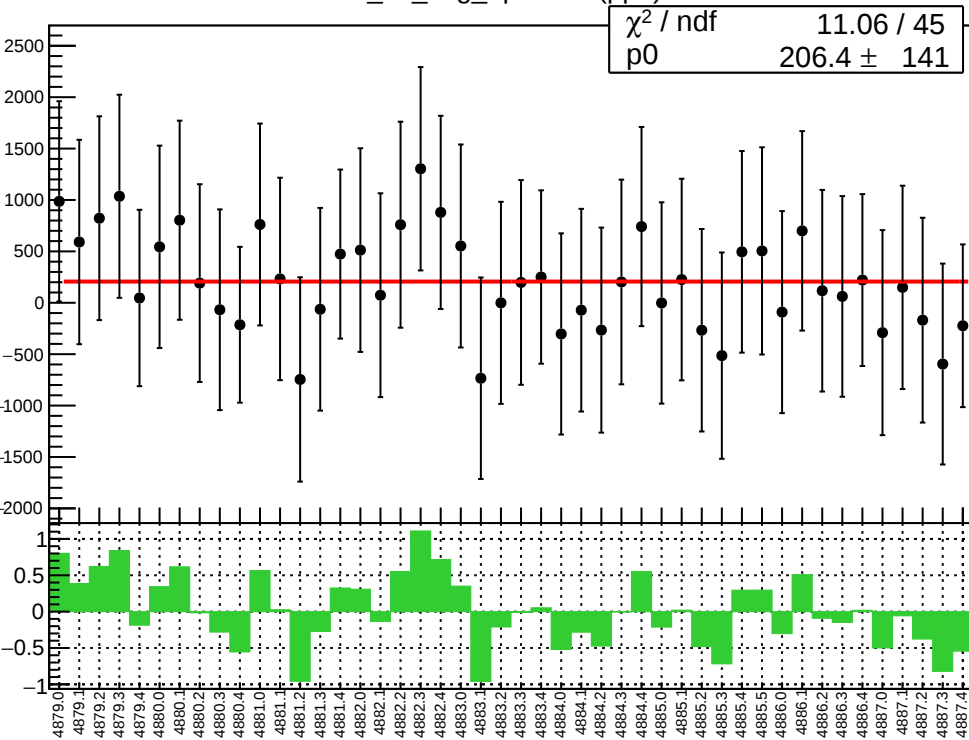
1D pull distribution



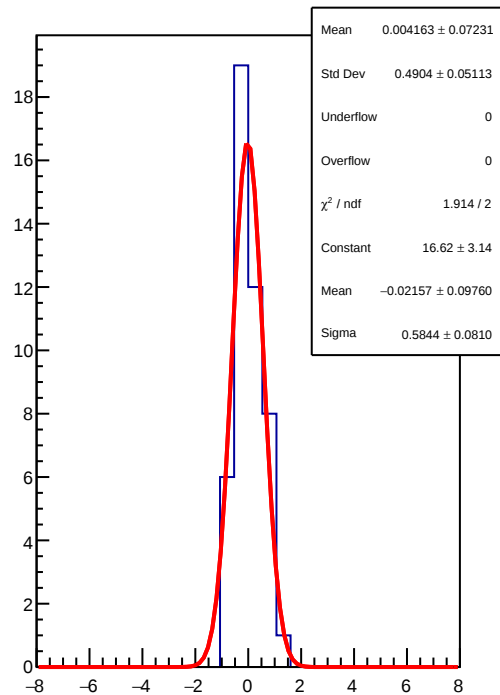
corr\_us\_avg\_bpm16Y RMS (ppm)



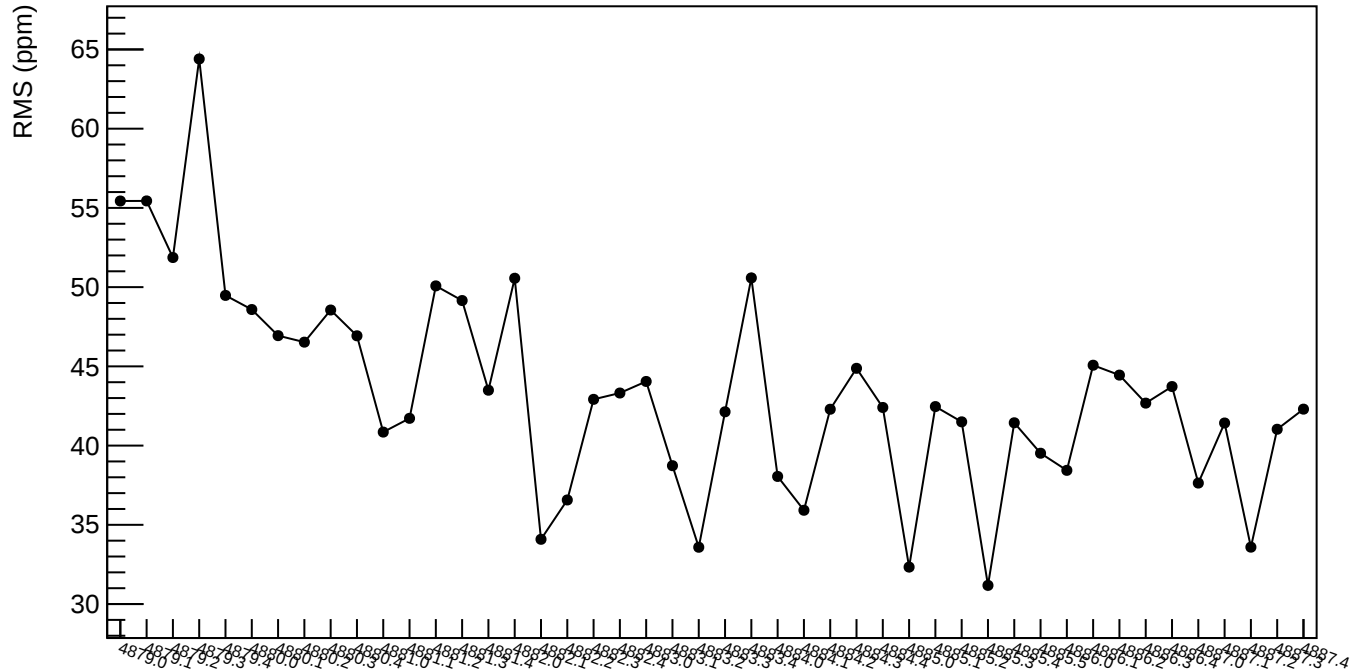
corr\_us\_avg\_bpm12X (ppb)



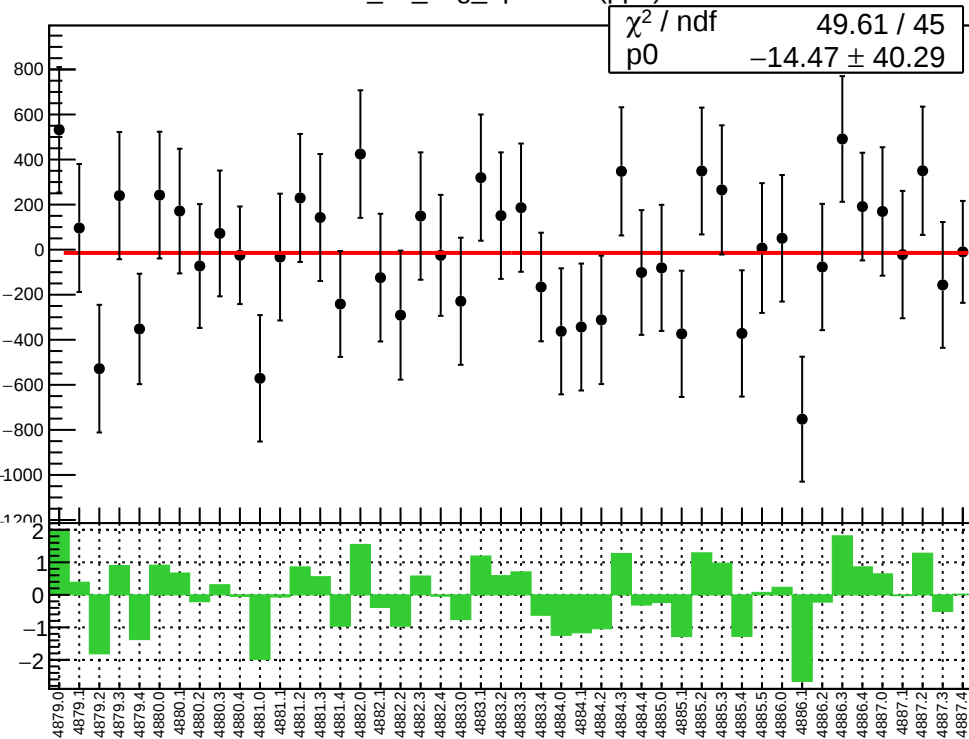
1D pull distribution



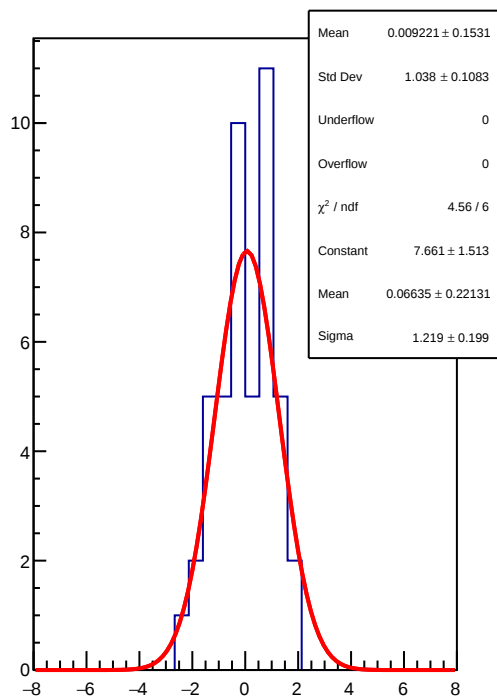
corr\_us\_avg\_bpm12X RMS (ppm)



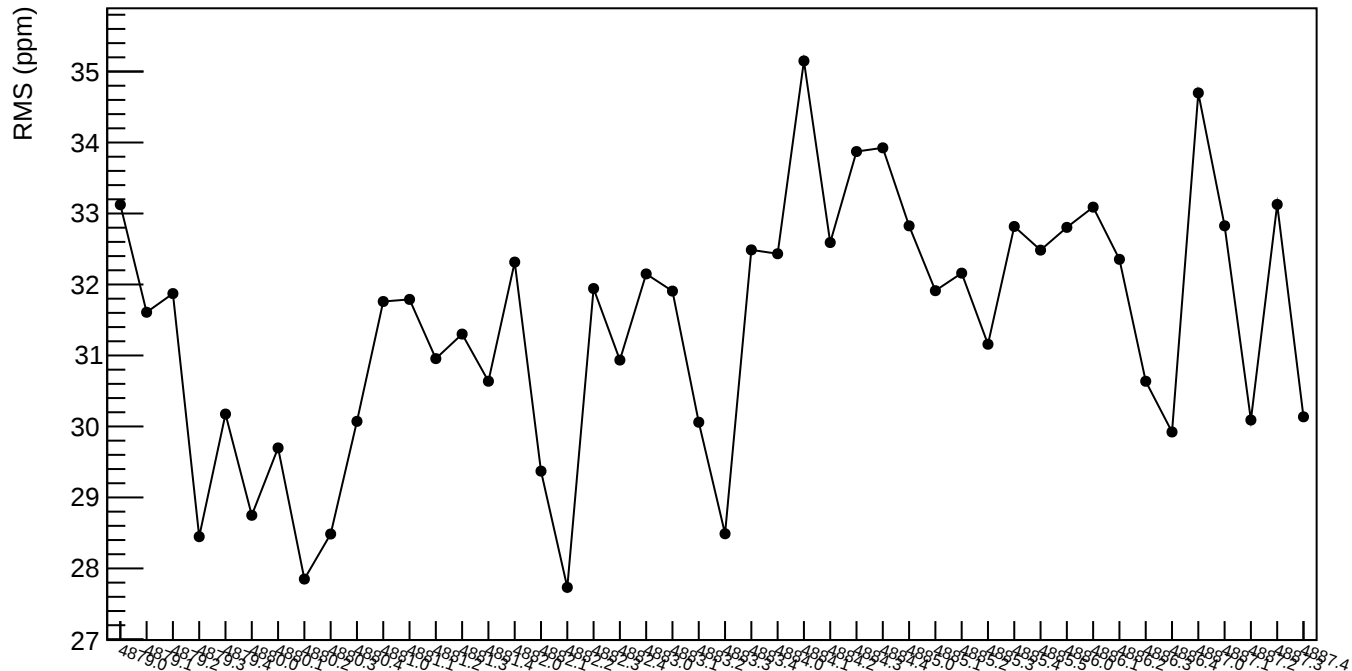
corr\_us\_avg\_bpm12Y (ppb)



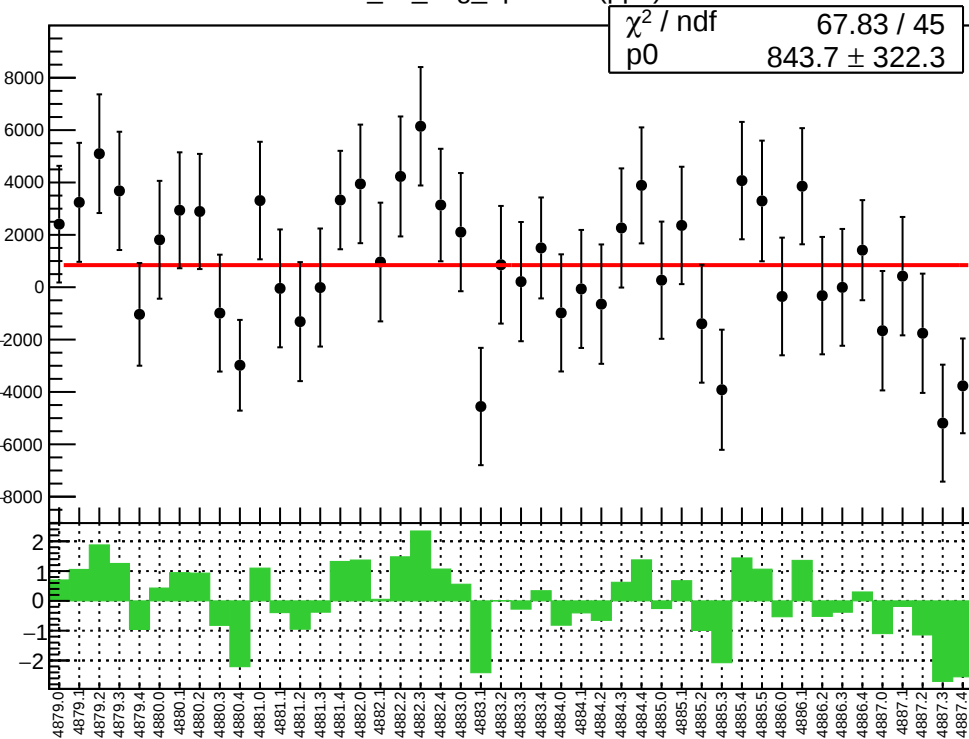
1D pull distribution



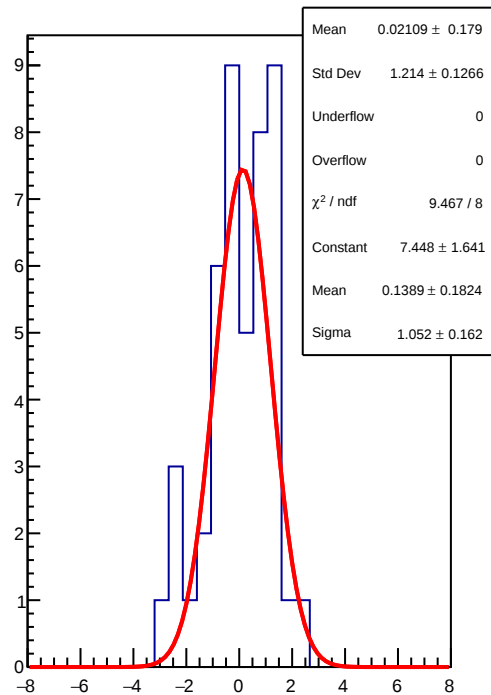
corr\_us\_avg\_bpm12Y RMS (ppm)



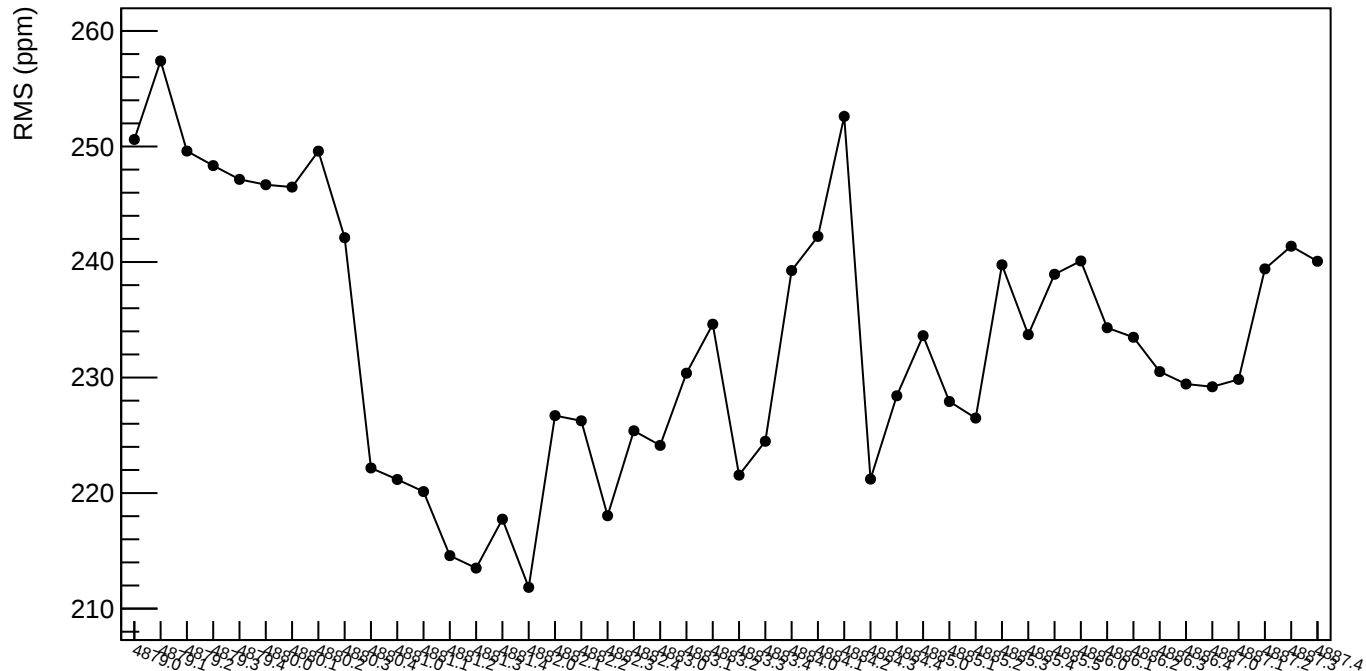
corr\_us\_avg\_bpm11X (ppb)



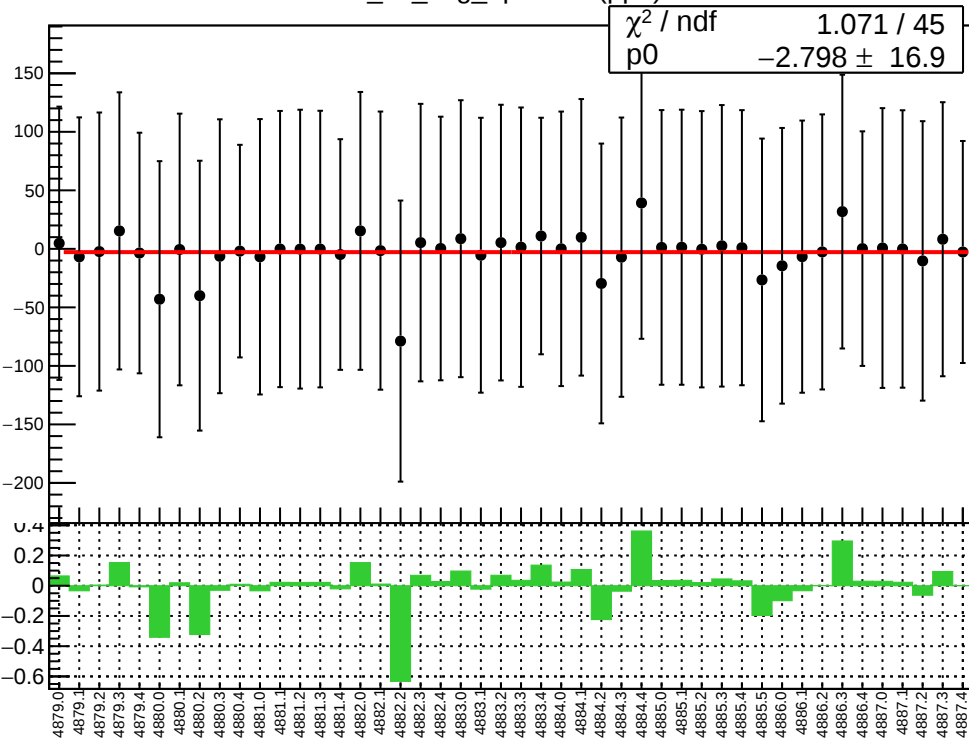
1D pull distribution



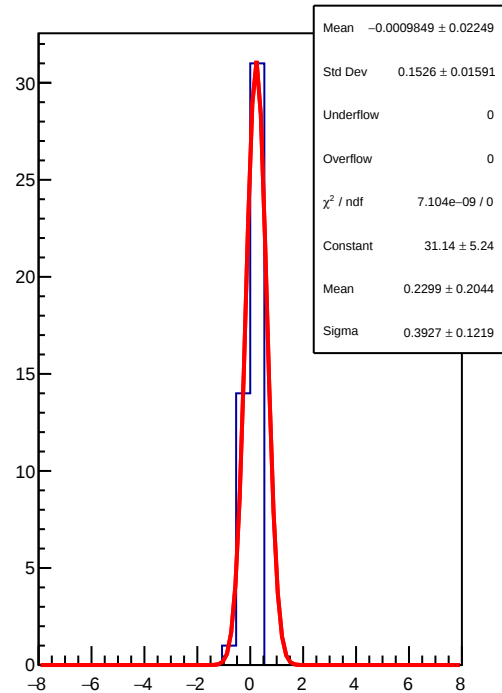
corr\_us\_avg\_bpm11X RMS (ppm)



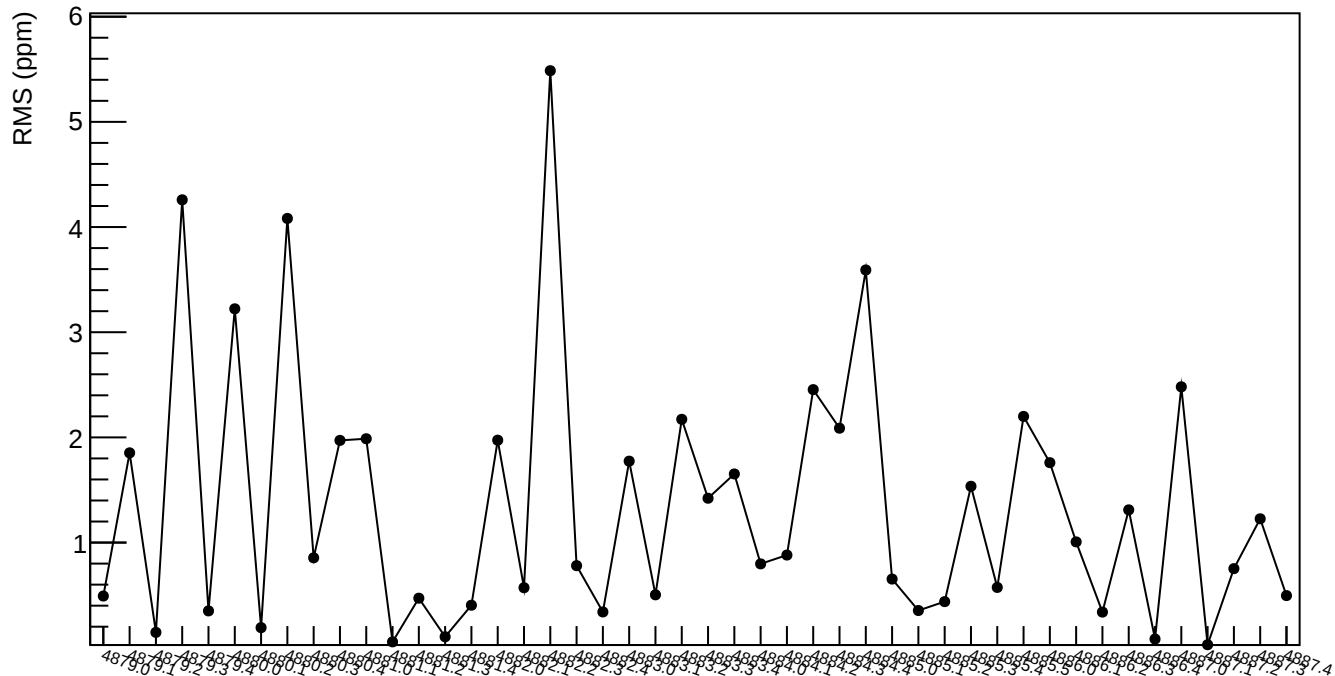
corr\_us\_avg\_bpm11Y (ppb)



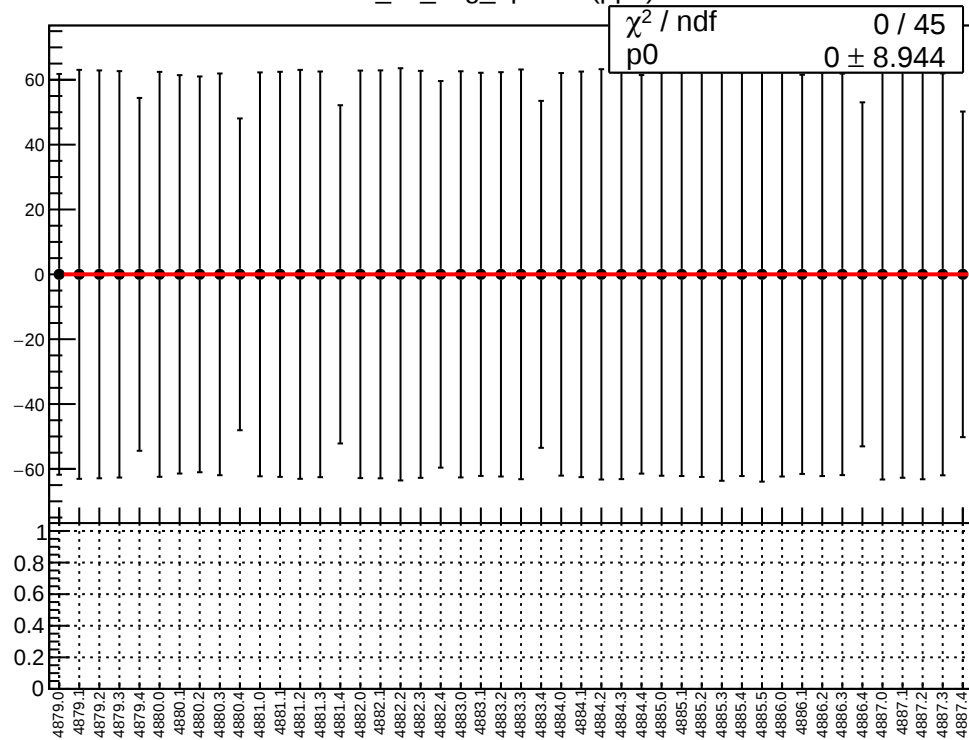
1D pull distribution



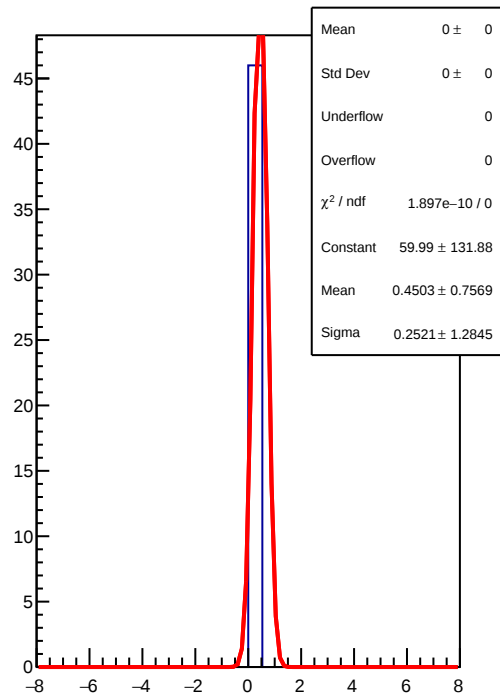
corr\_us\_avg\_bpm11Y RMS (ppm)



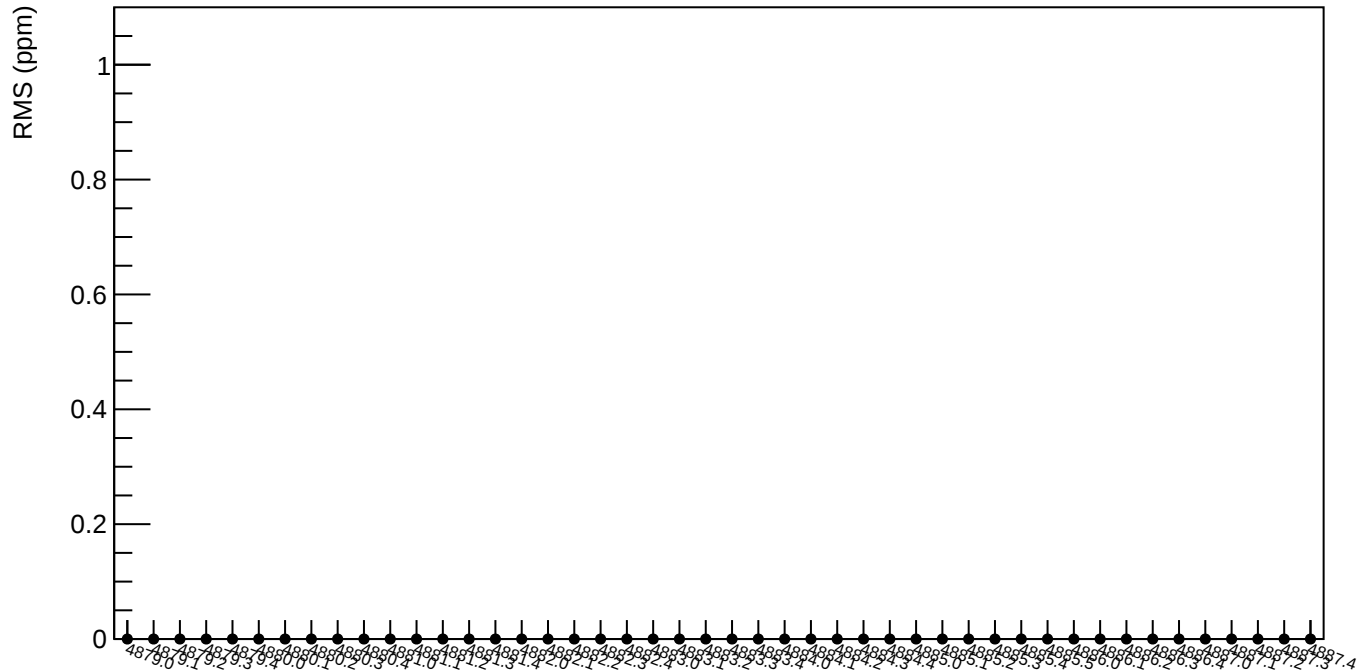
corr\_us\_avg\_bpm8X (ppb)



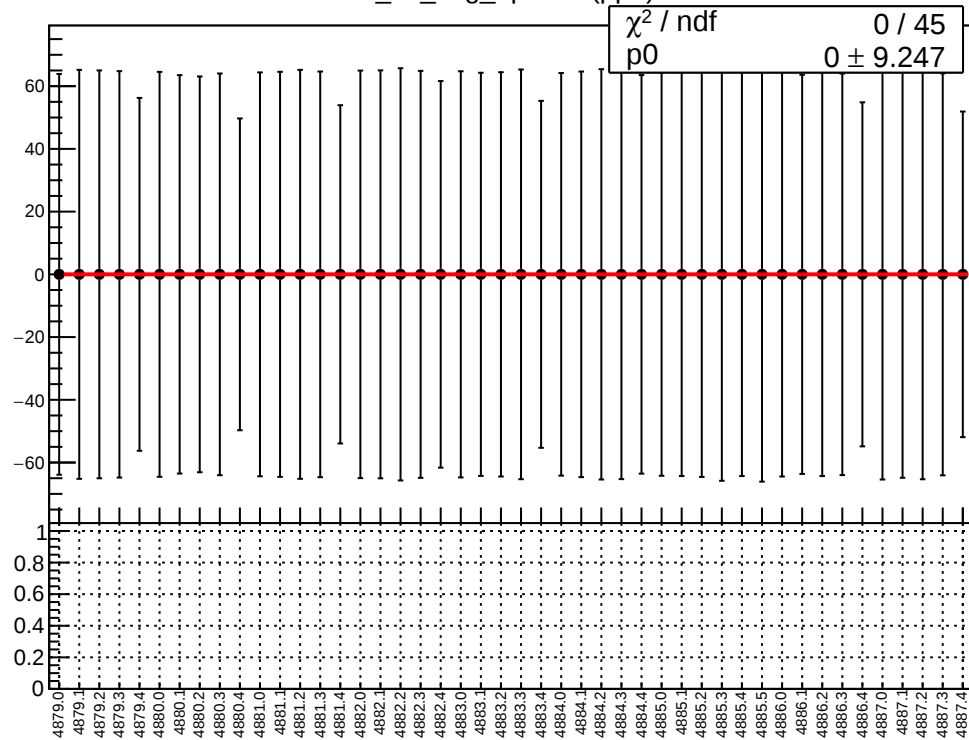
1D pull distribution



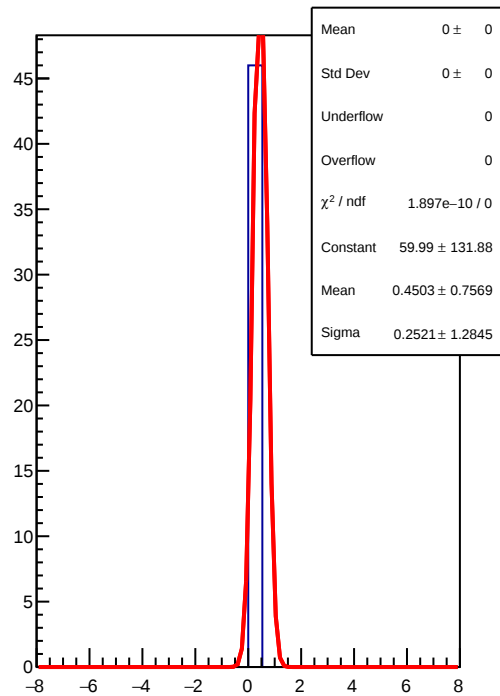
corr\_us\_avg\_bpm8X RMS (ppm)



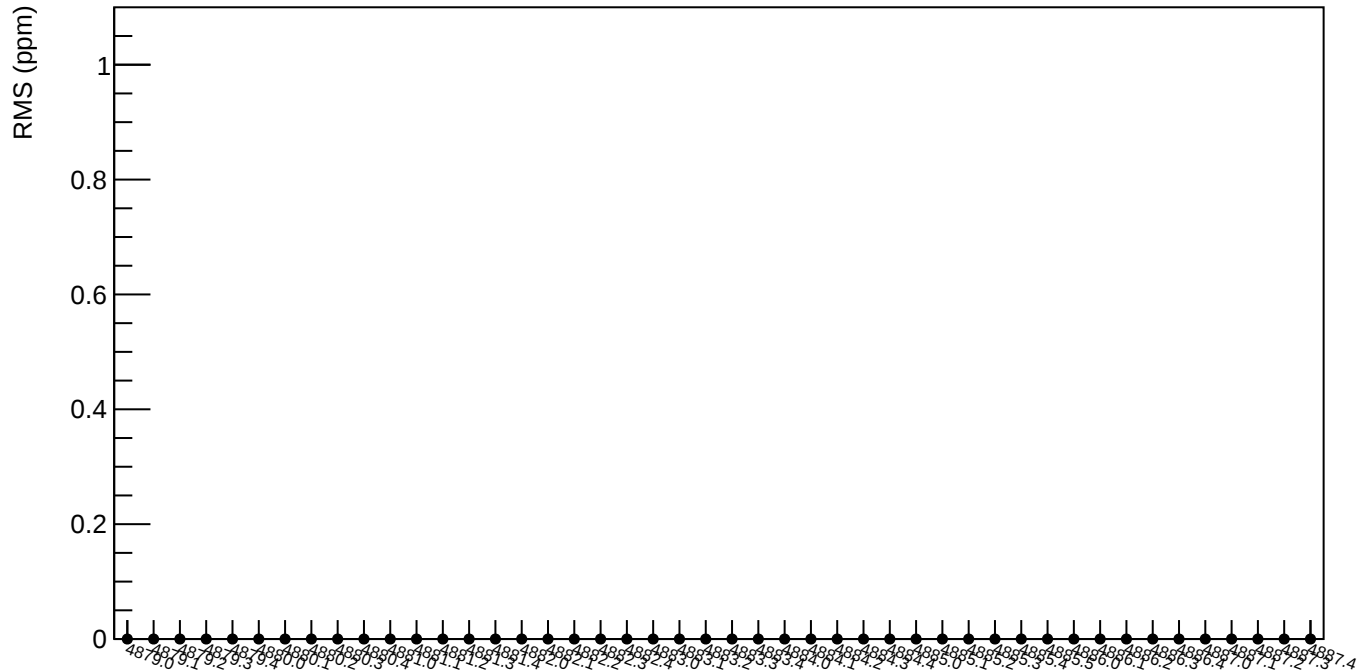
corr\_us\_avg\_bpm8Y (ppb)



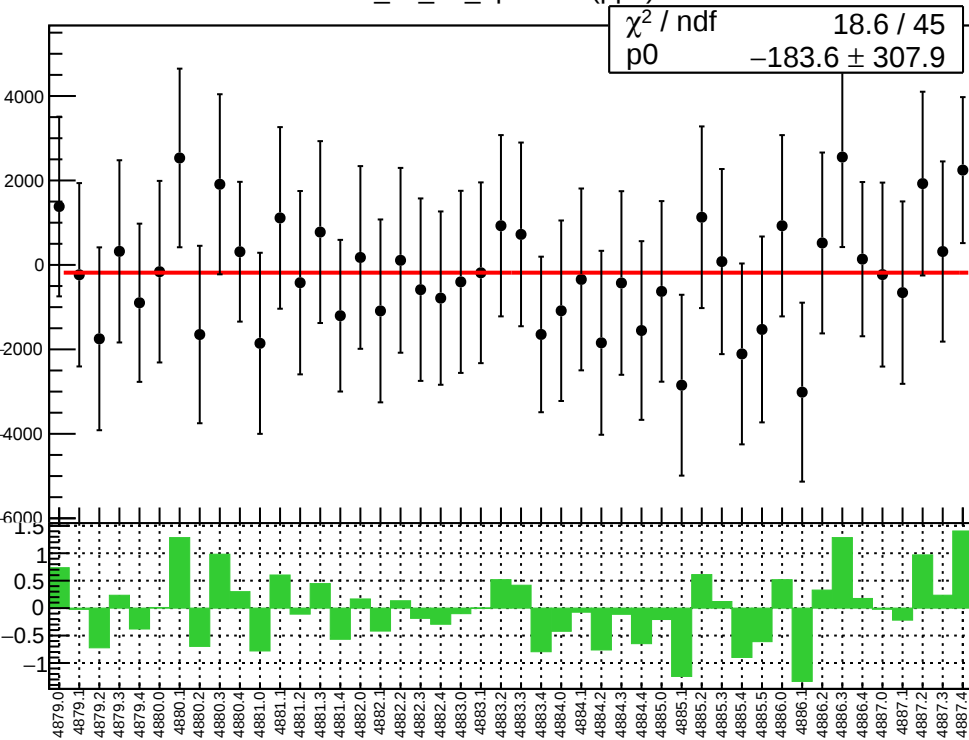
1D pull distribution



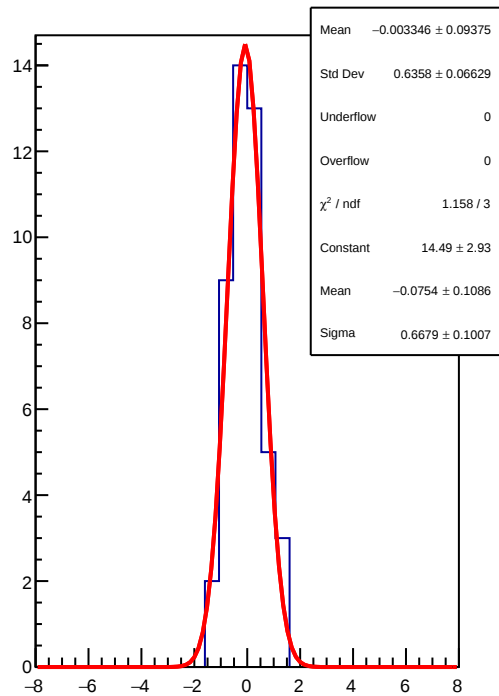
corr\_us\_avg\_bpm8Y RMS (ppm)



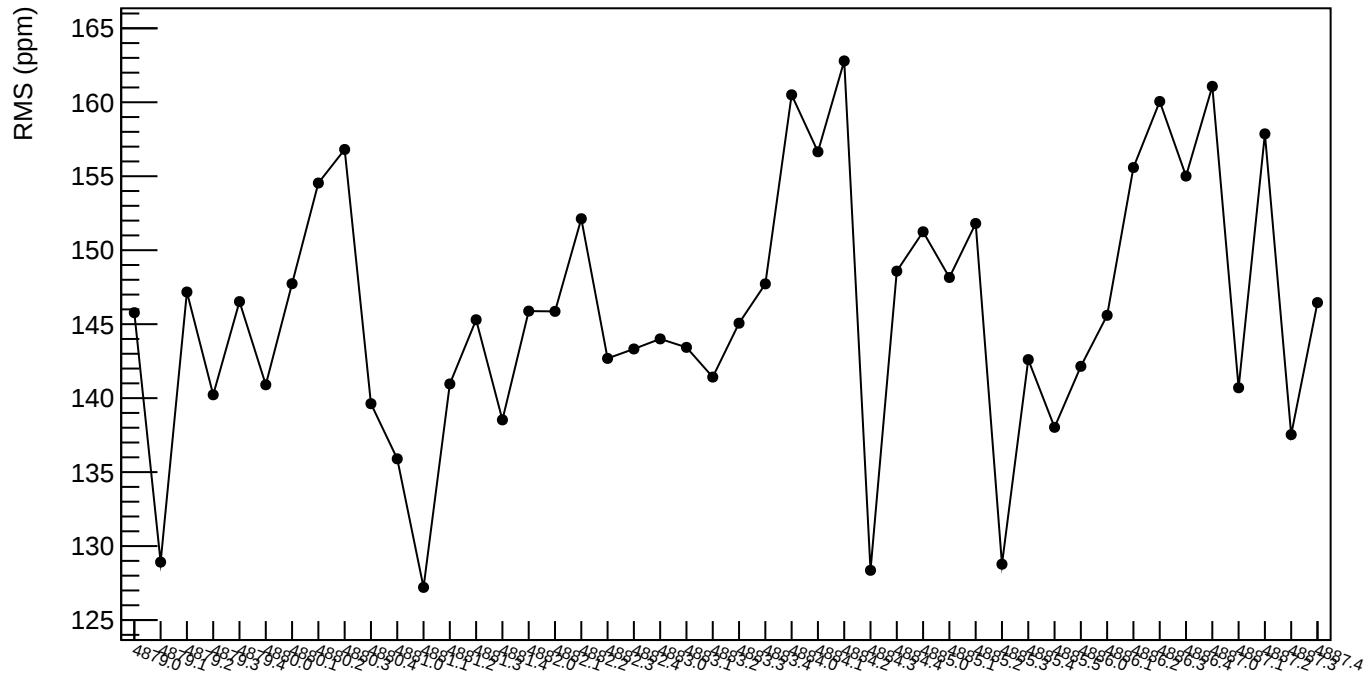
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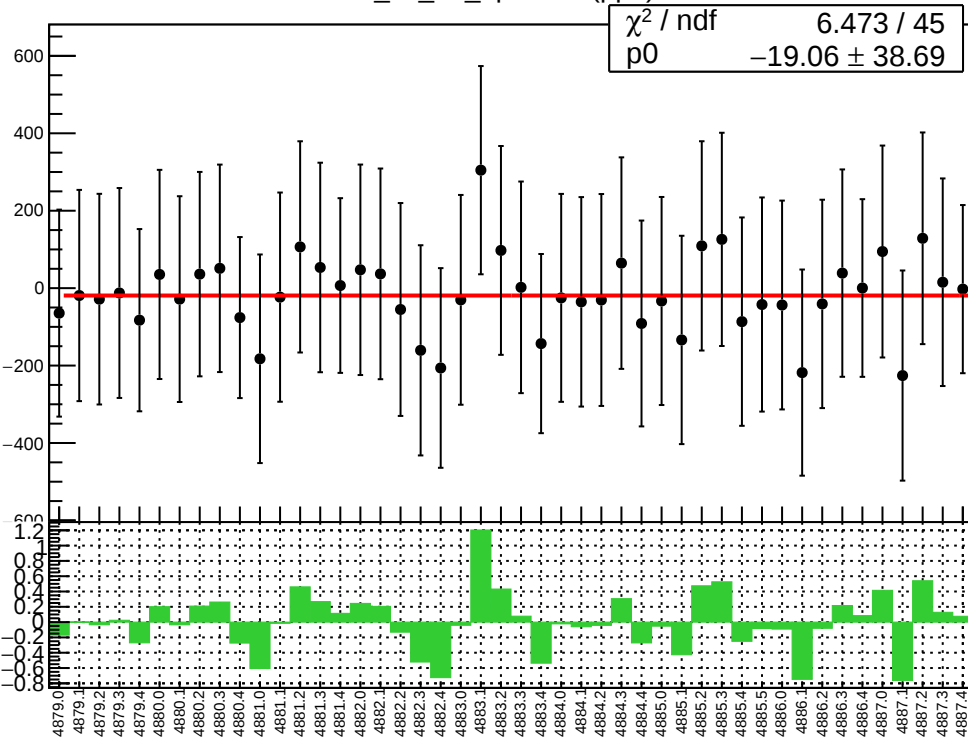
1D pull distribution



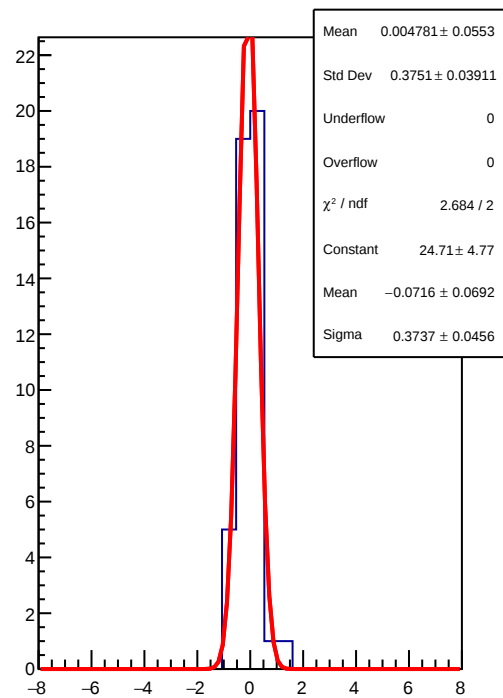
corr\_us\_dd\_bpm4eX RMS (ppm)



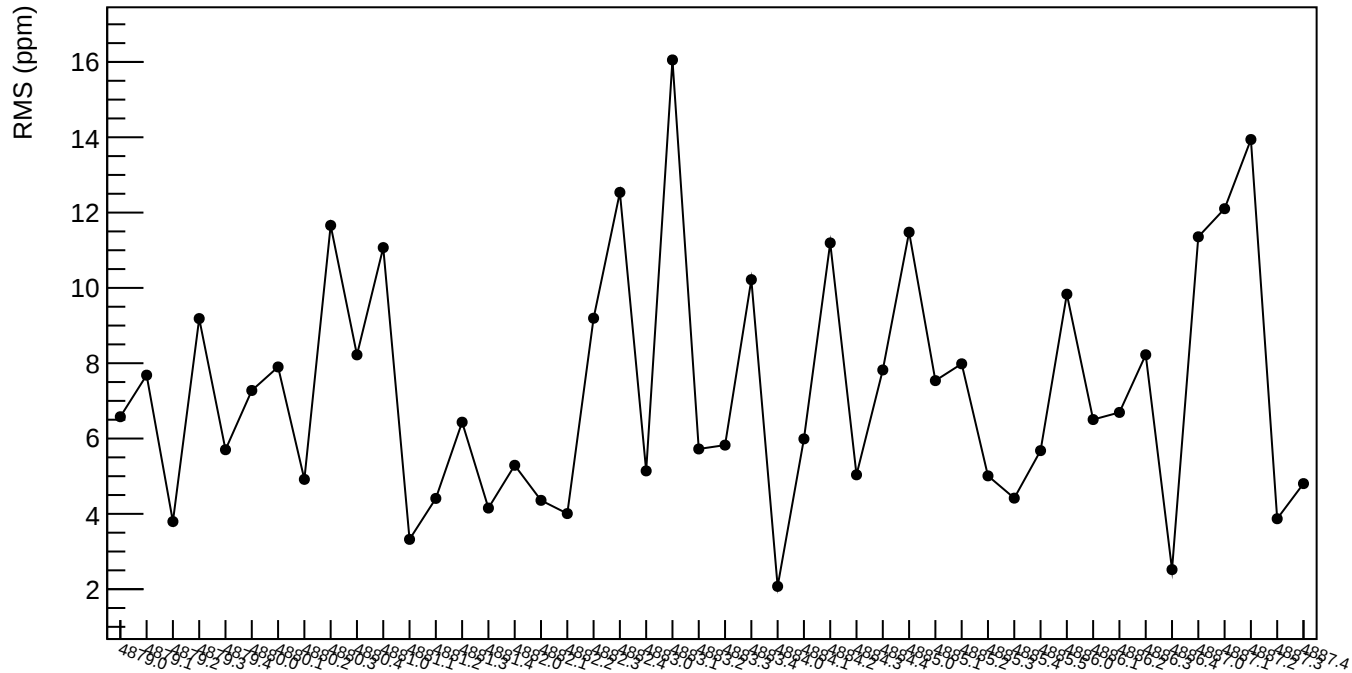
corr\_us\_dd\_bpm4eY (ppb)



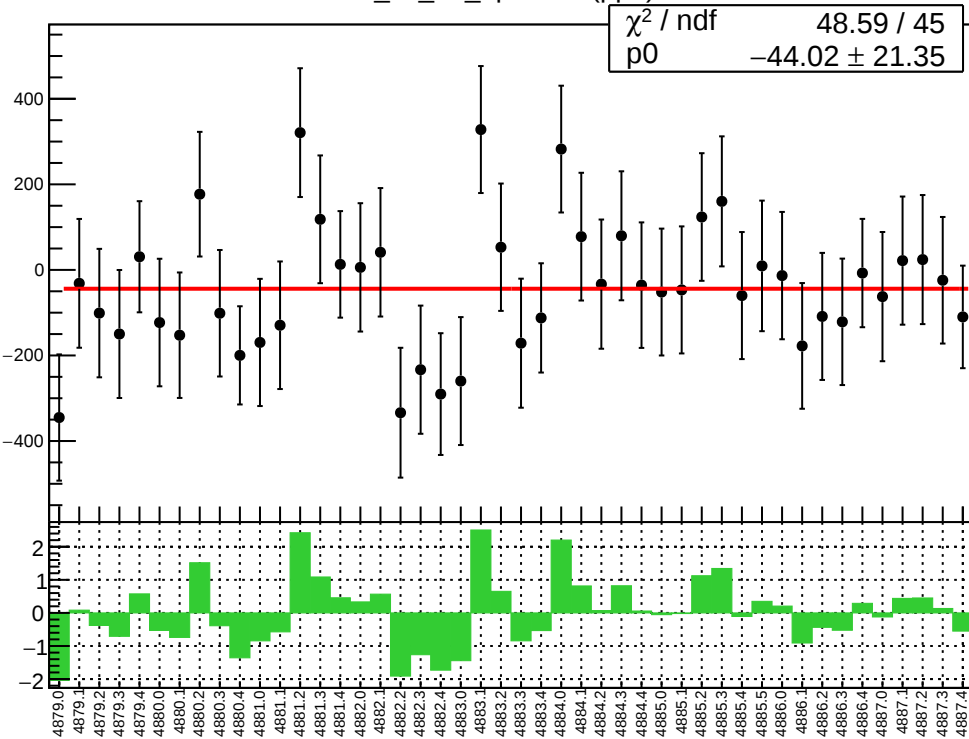
1D pull distribution



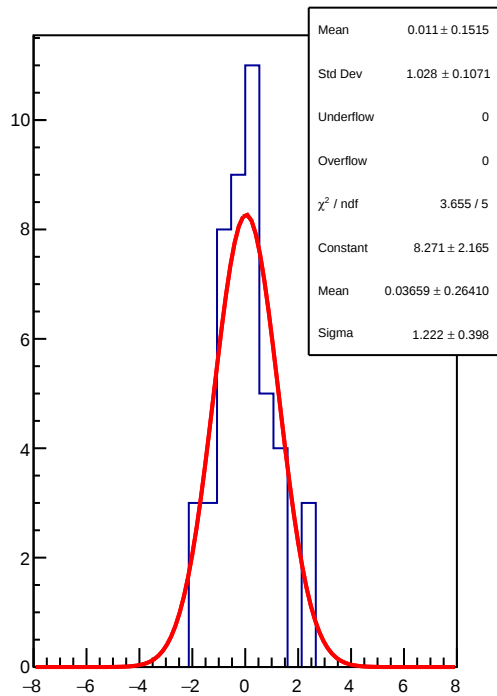
corr\_us\_dd\_bpm4eY RMS (ppm)



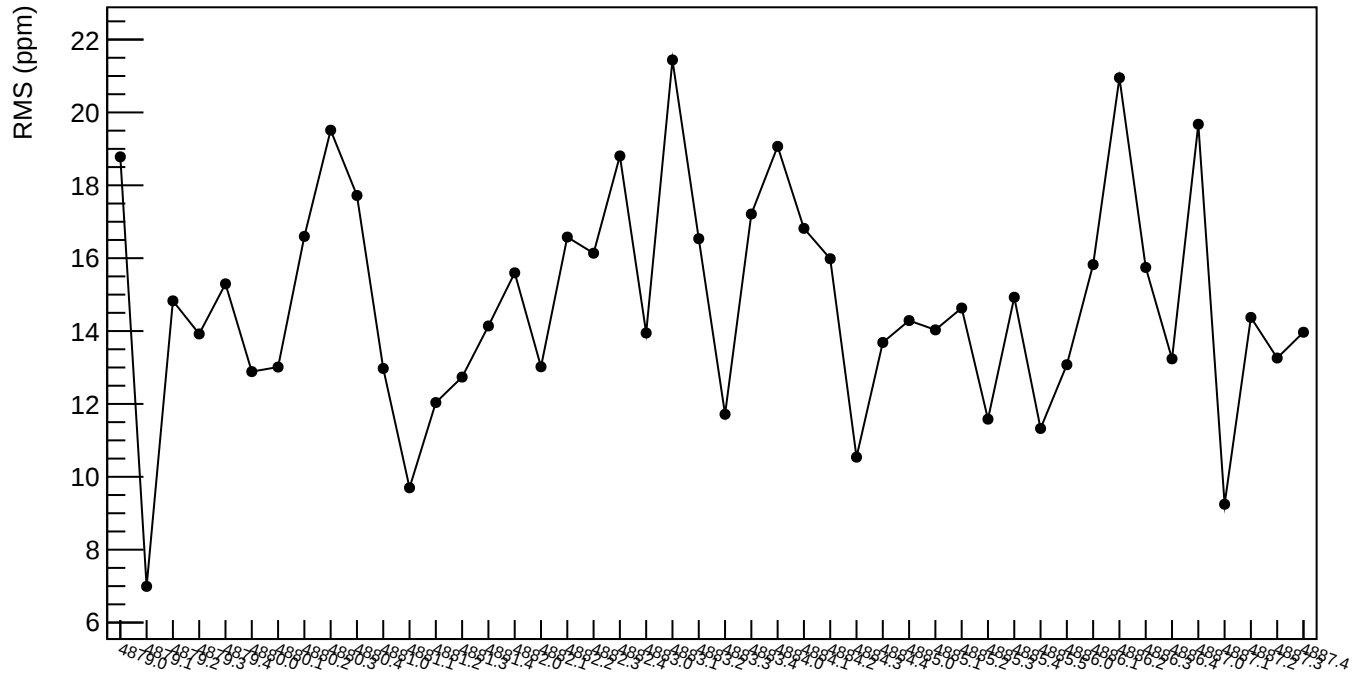
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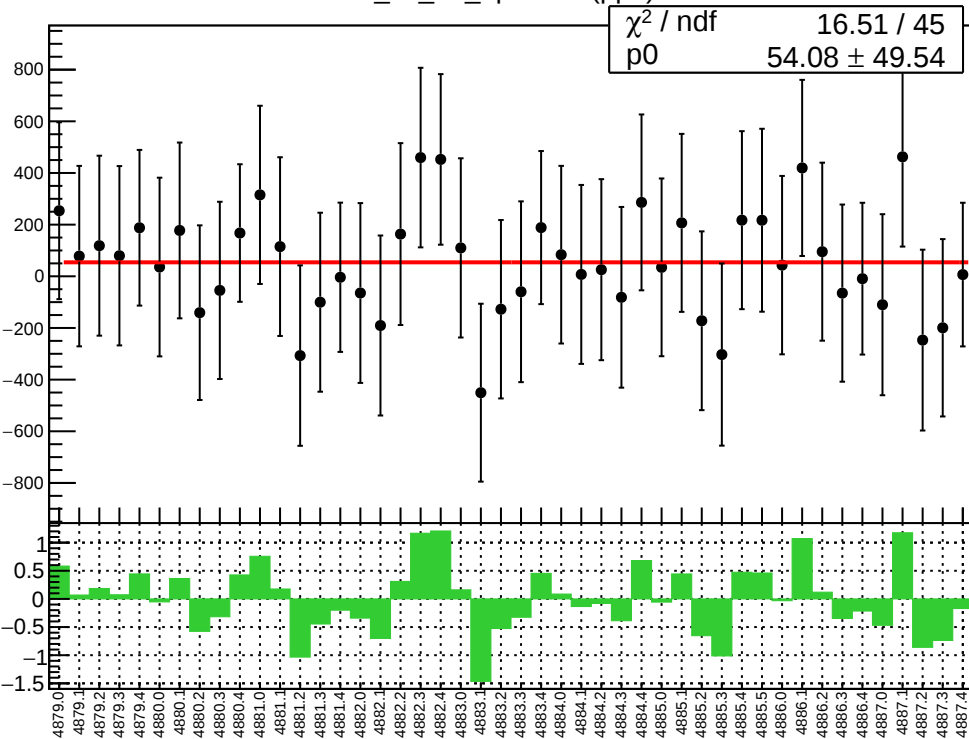
1D pull distribution



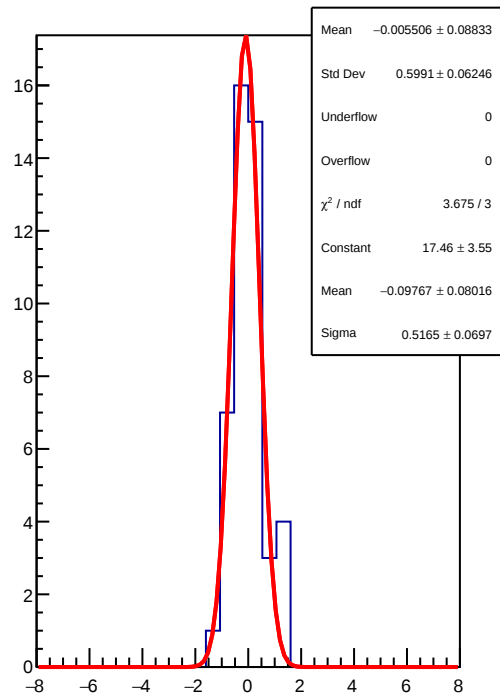
corr\_us\_dd\_bpm4aX RMS (ppm)



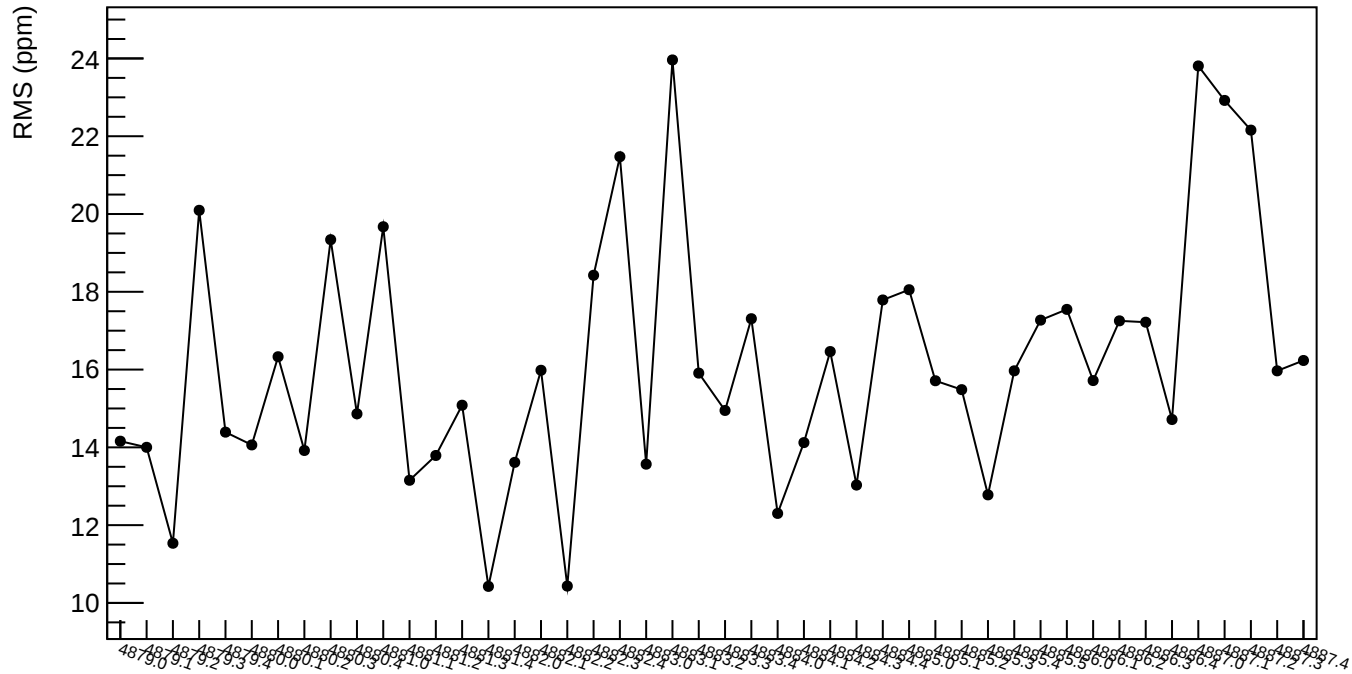
corr\_us\_dd\_bpm4aY (ppb)



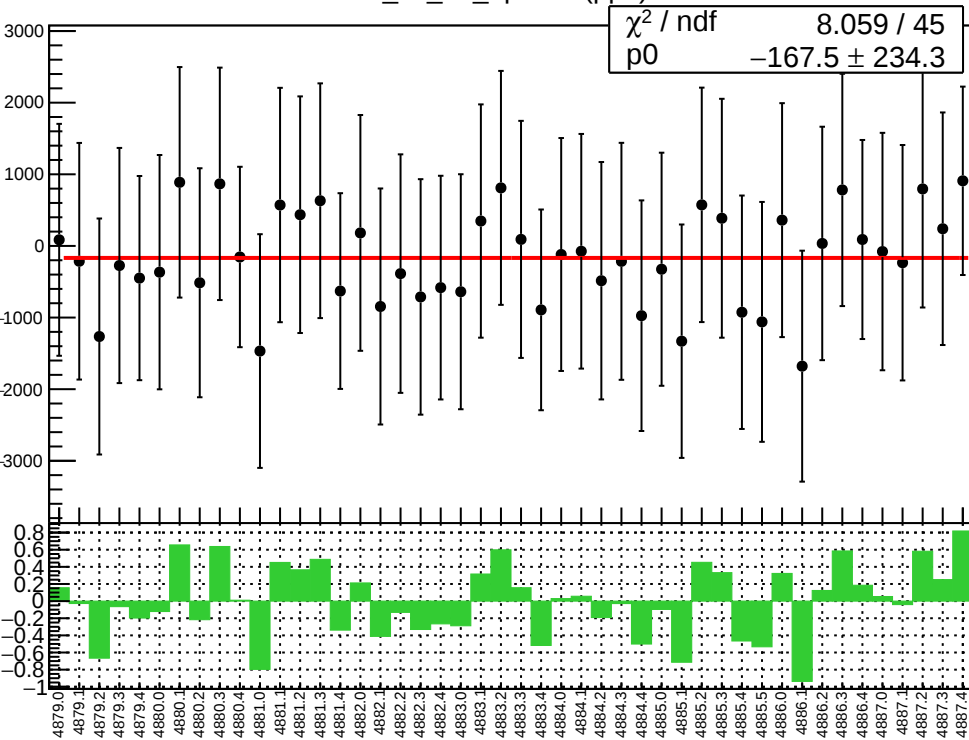
1D pull distribution



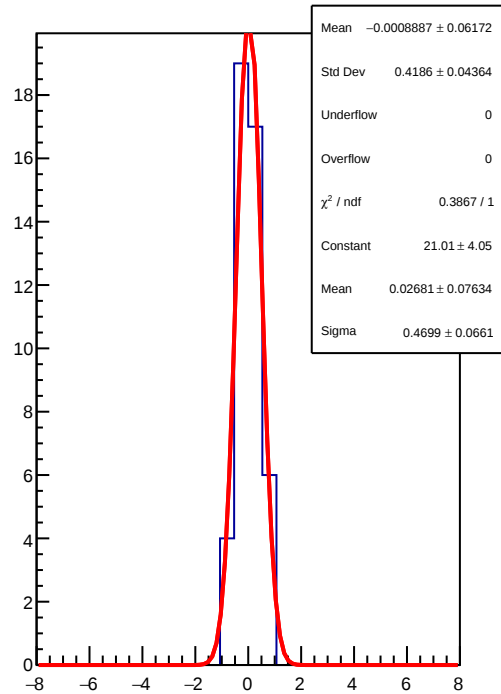
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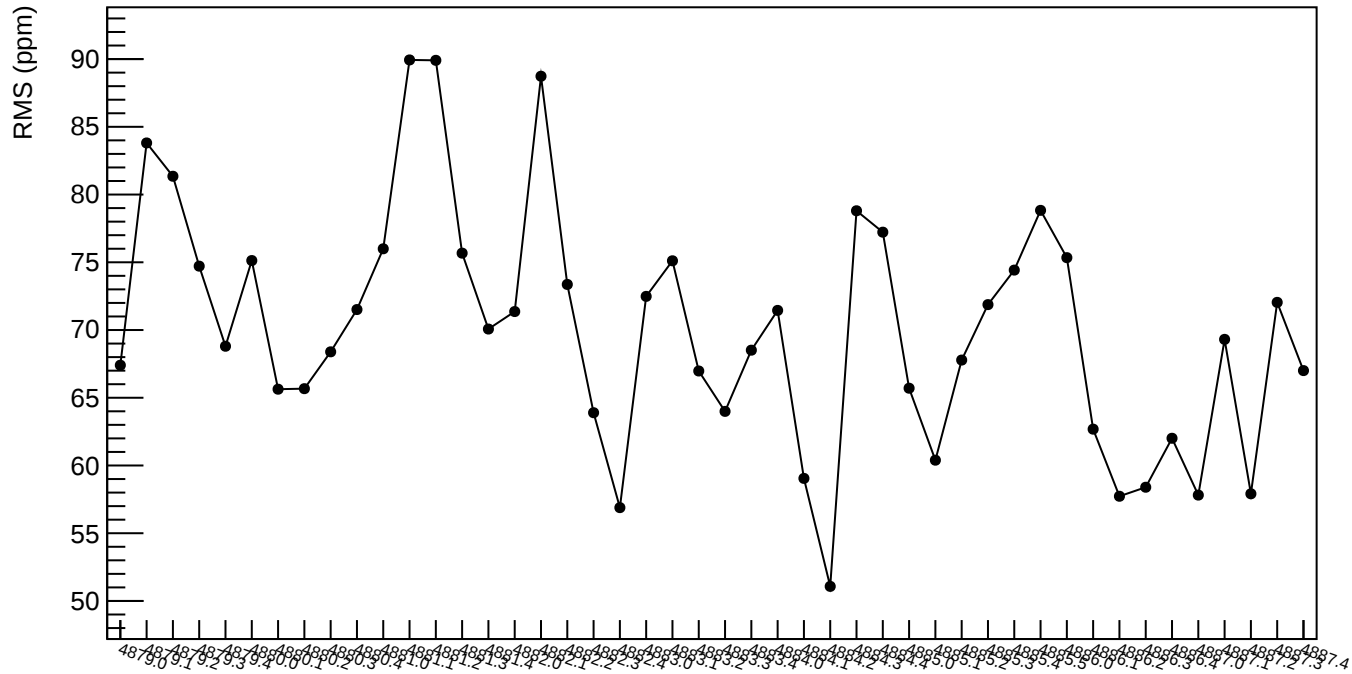
corr\_us\_dd\_bpm1X (ppb)



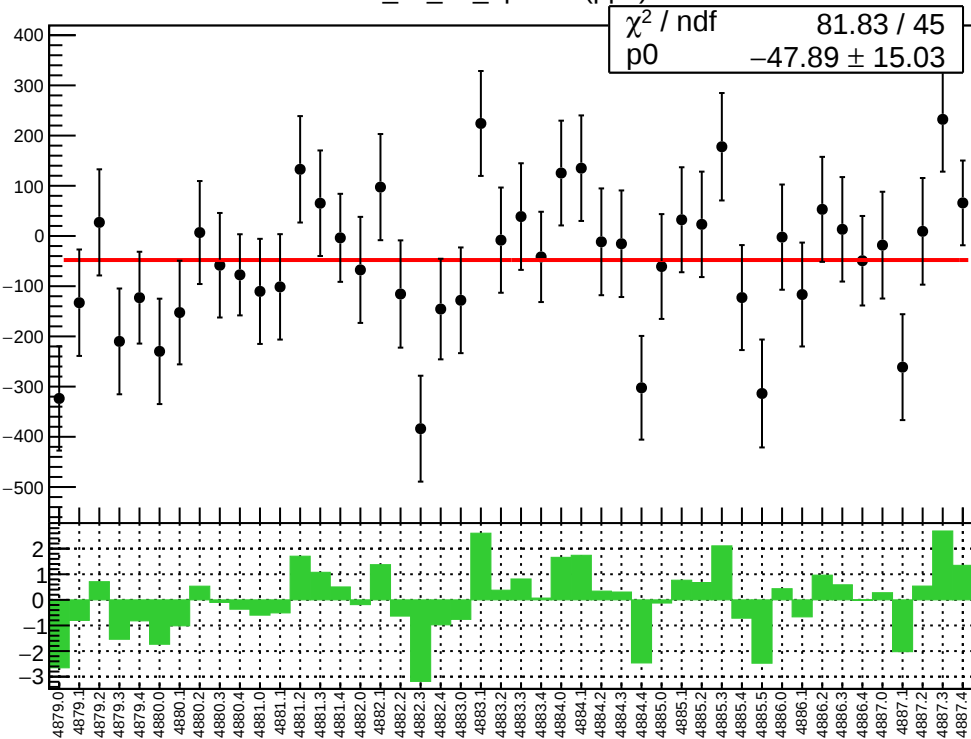
1D pull distribution



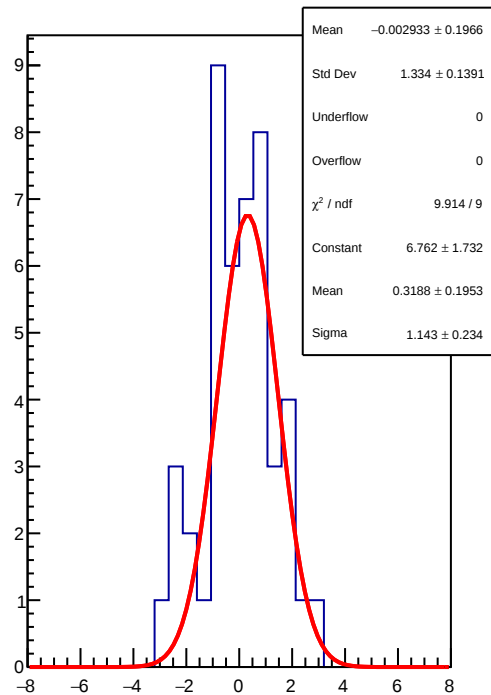
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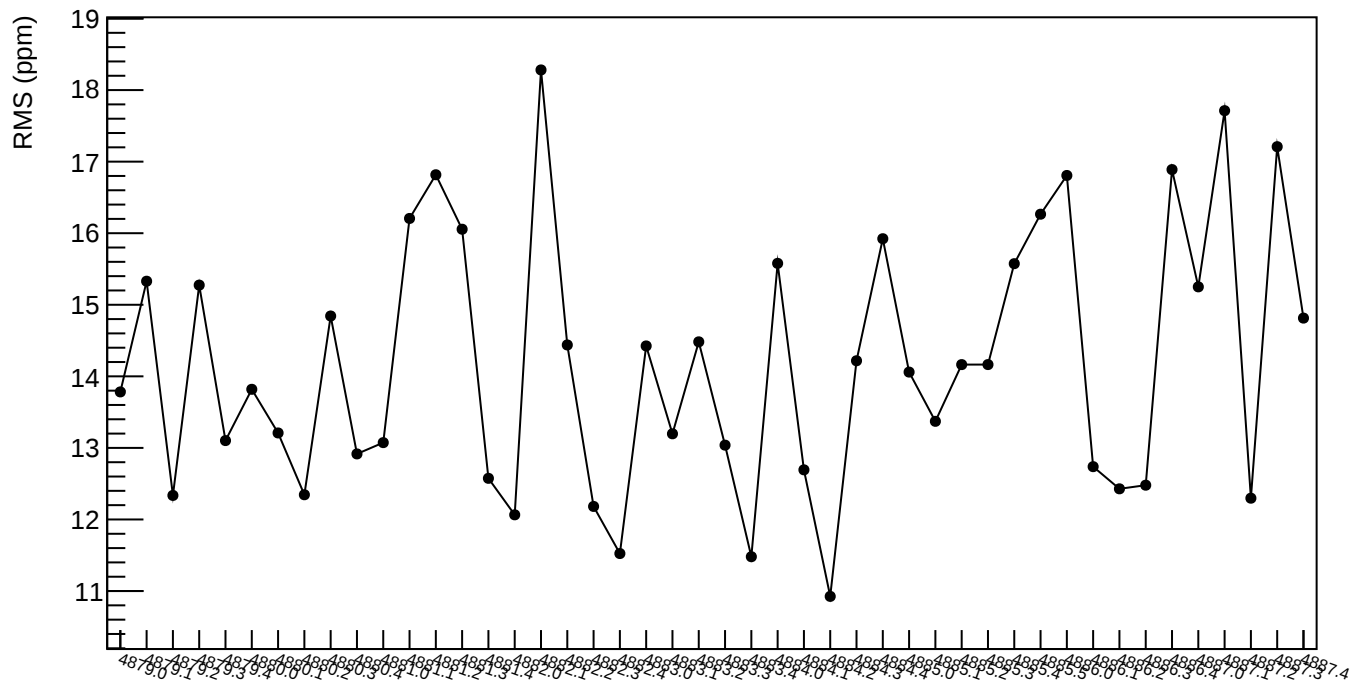
corr\_us\_dd\_bpm1Y (ppb)



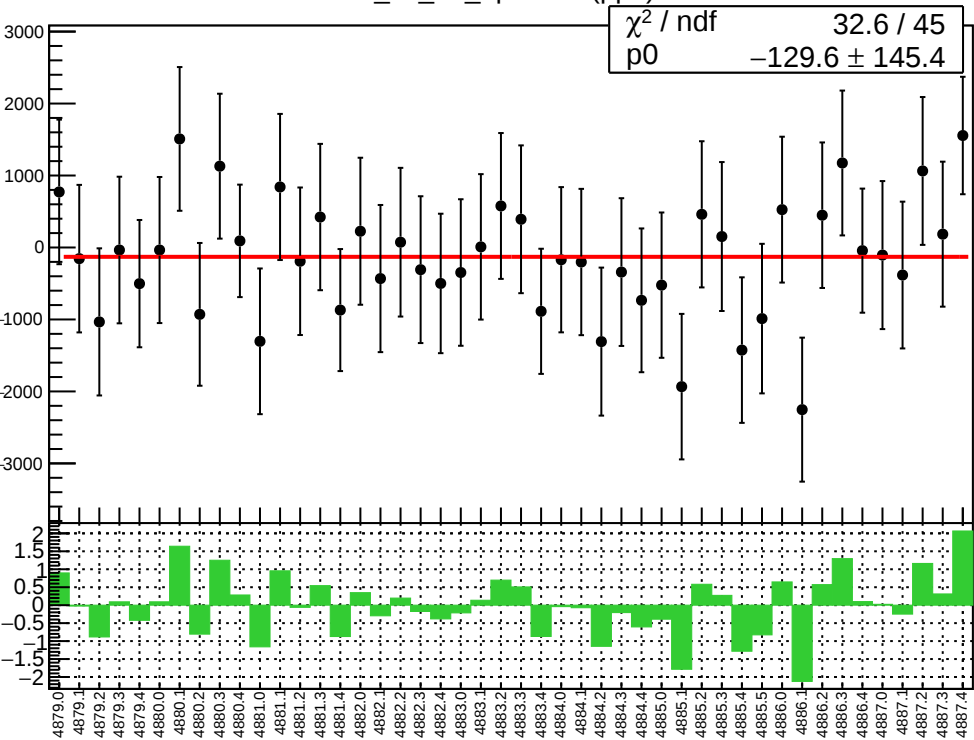
1D pull distribution



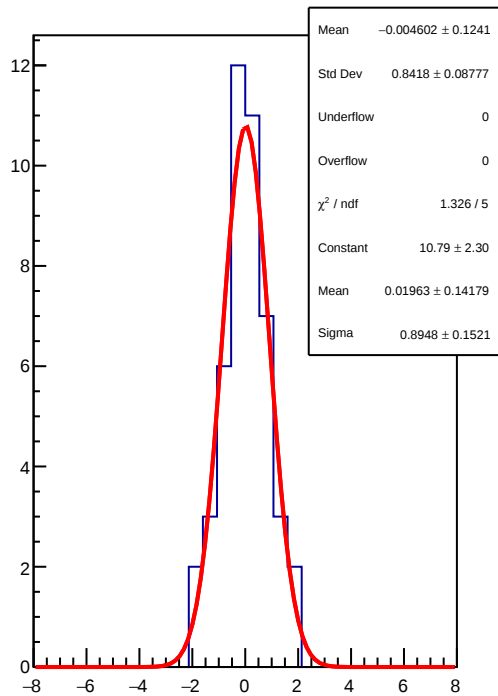
corr\_us\_dd\_bpm1Y RMS (ppm)



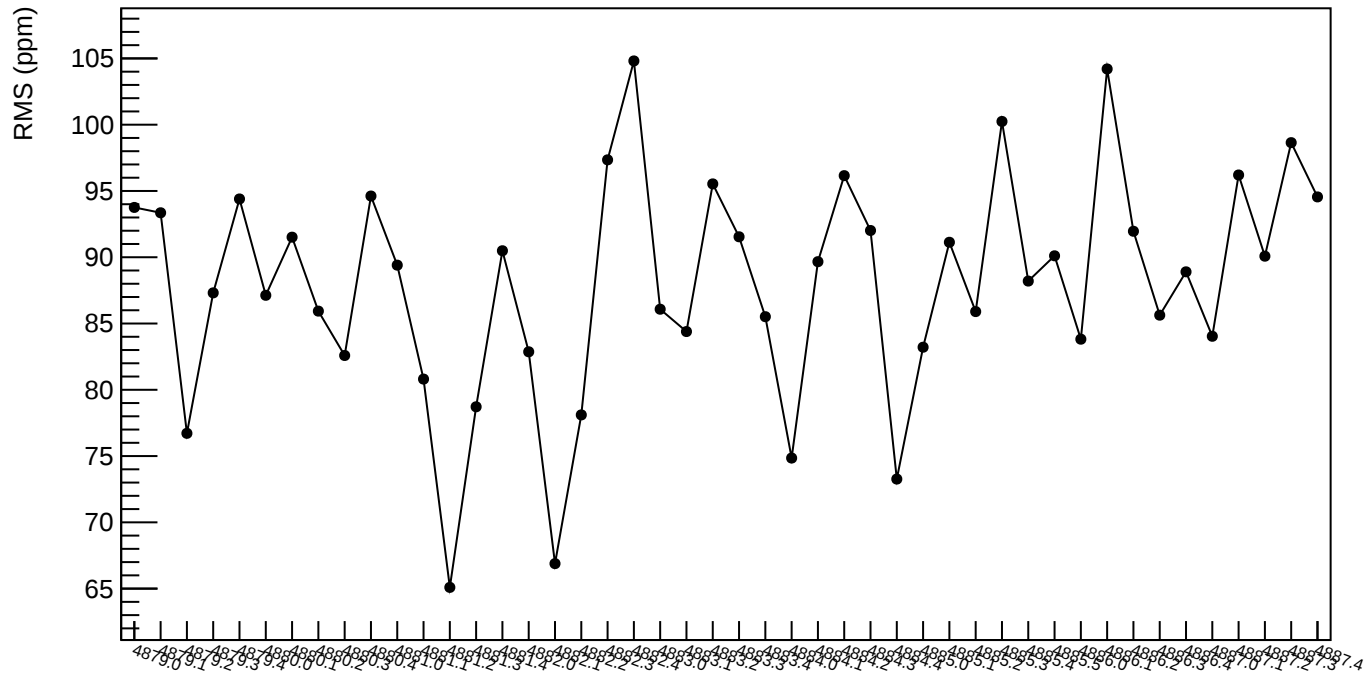
corr\_us\_dd\_bpm16X (ppb)



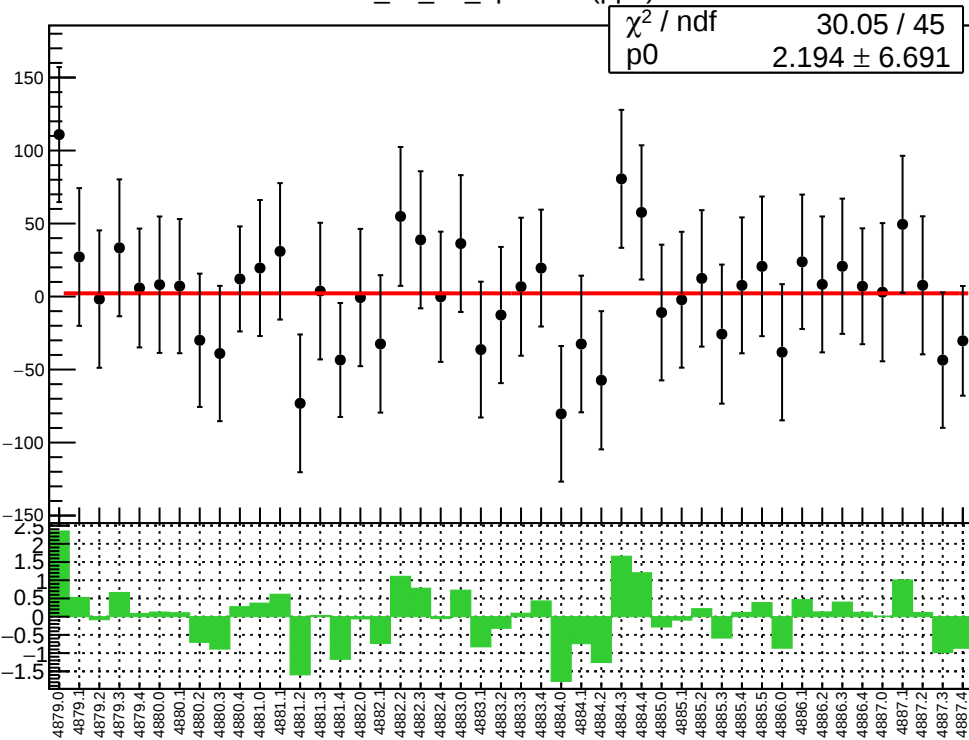
1D pull distribution



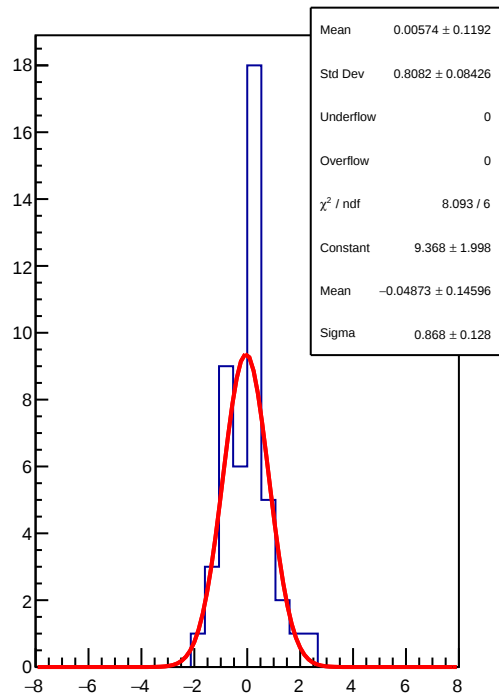
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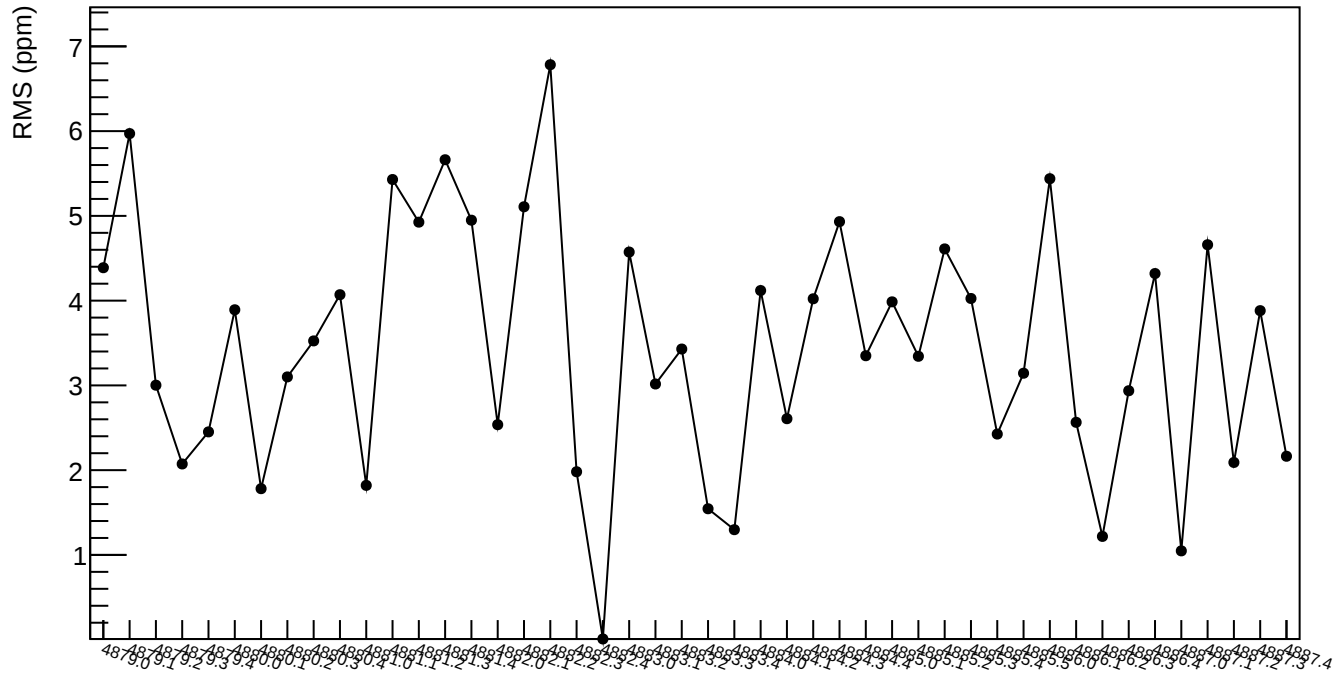
corr\_us\_dd\_bpm16Y (ppb)



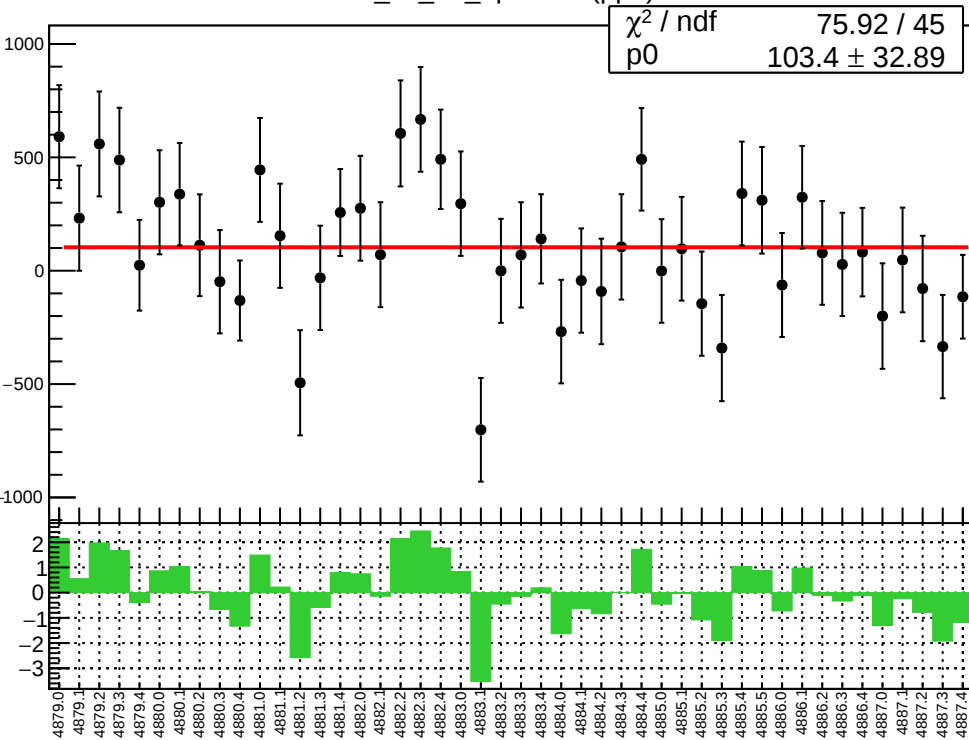
1D pull distribution



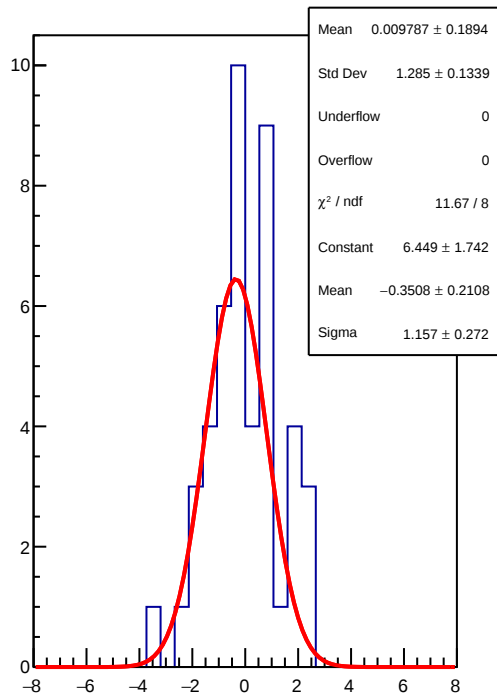
corr\_us\_dd\_bpm16Y RMS (ppm)



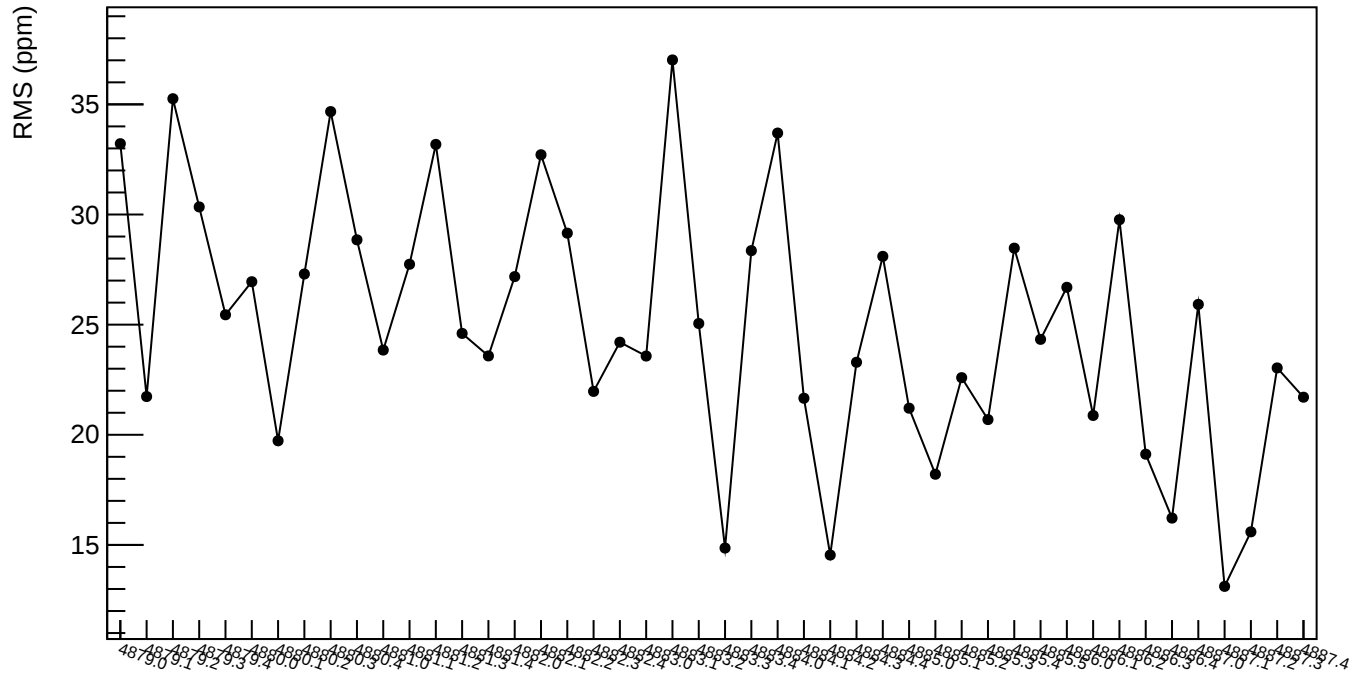
corr\_us\_dd\_bpm12X (ppb)



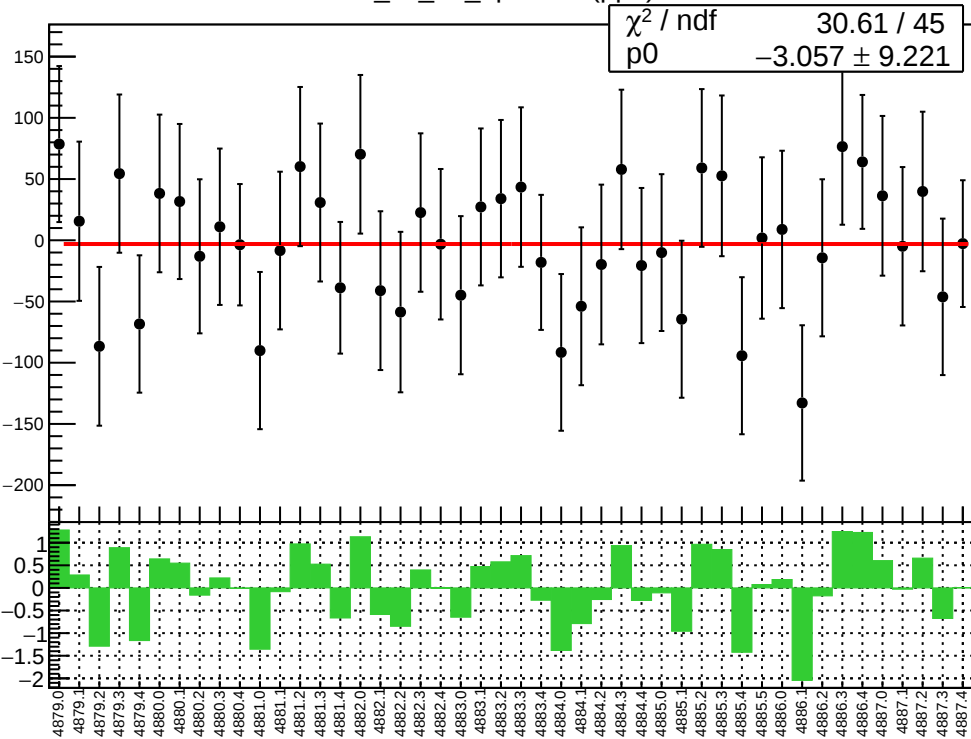
1D pull distribution



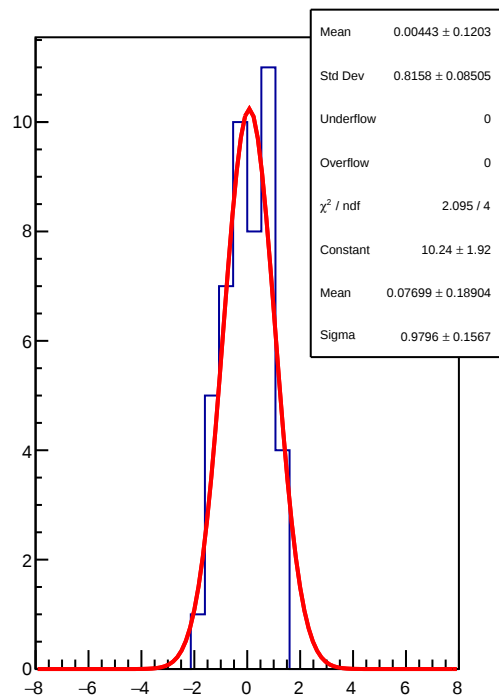
corr\_us\_dd\_bpm12X RMS (ppm)



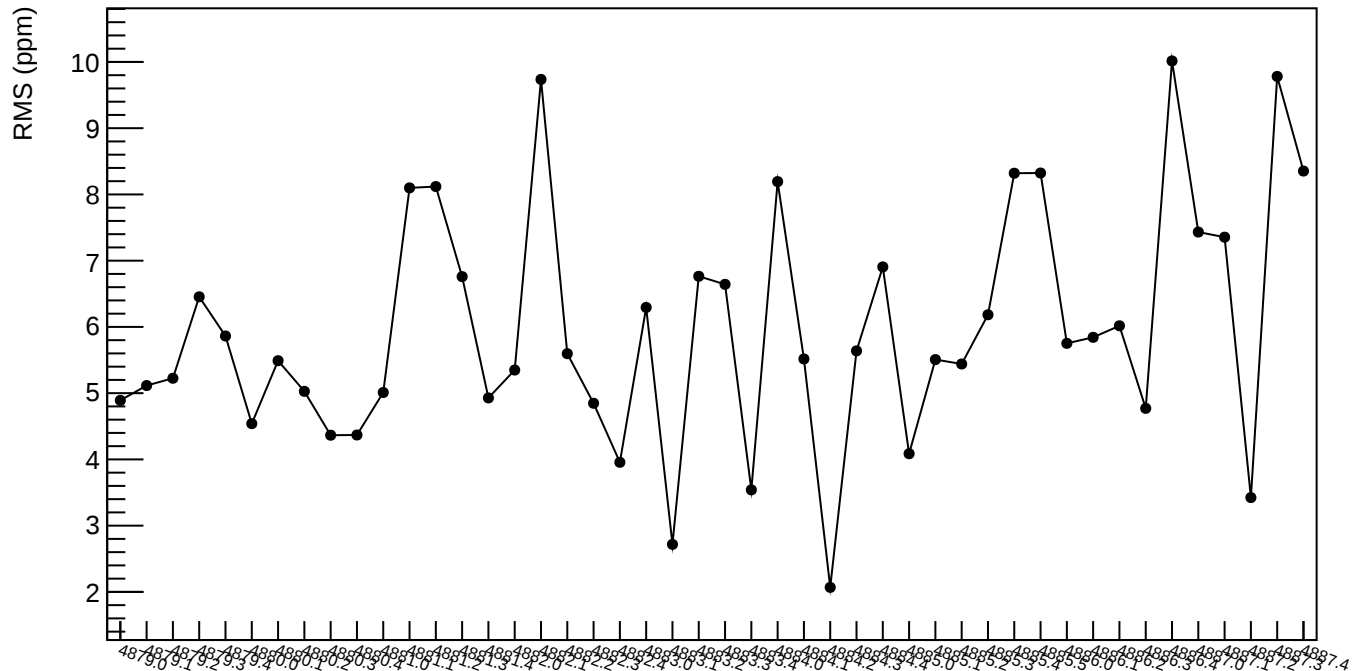
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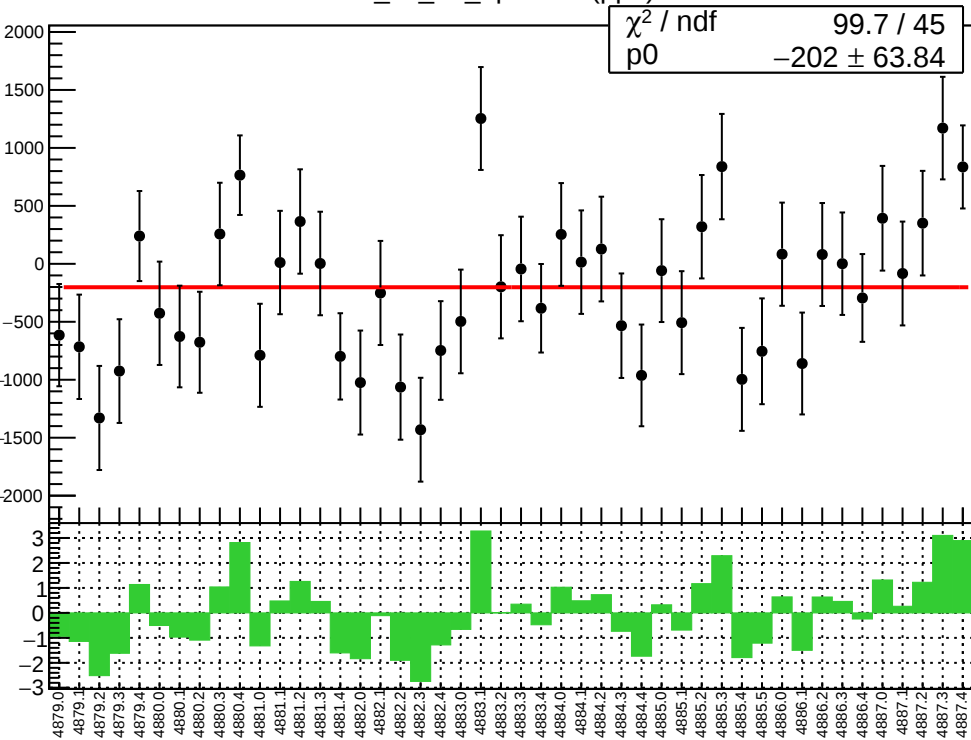
1D pull distribution



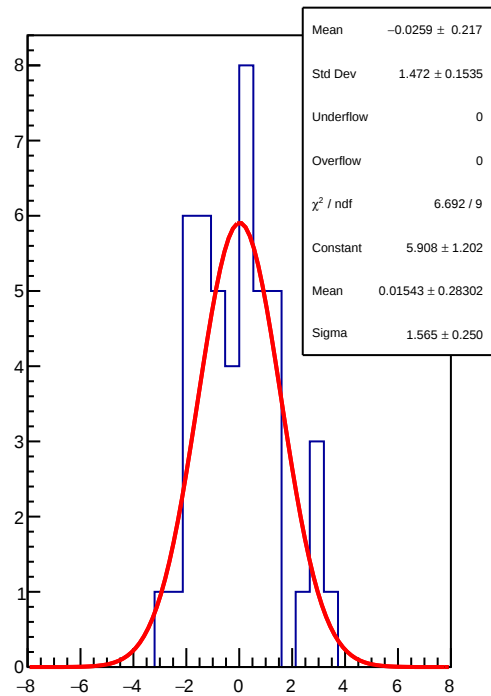
corr\_us\_dd\_bpm12Y RMS (ppm)



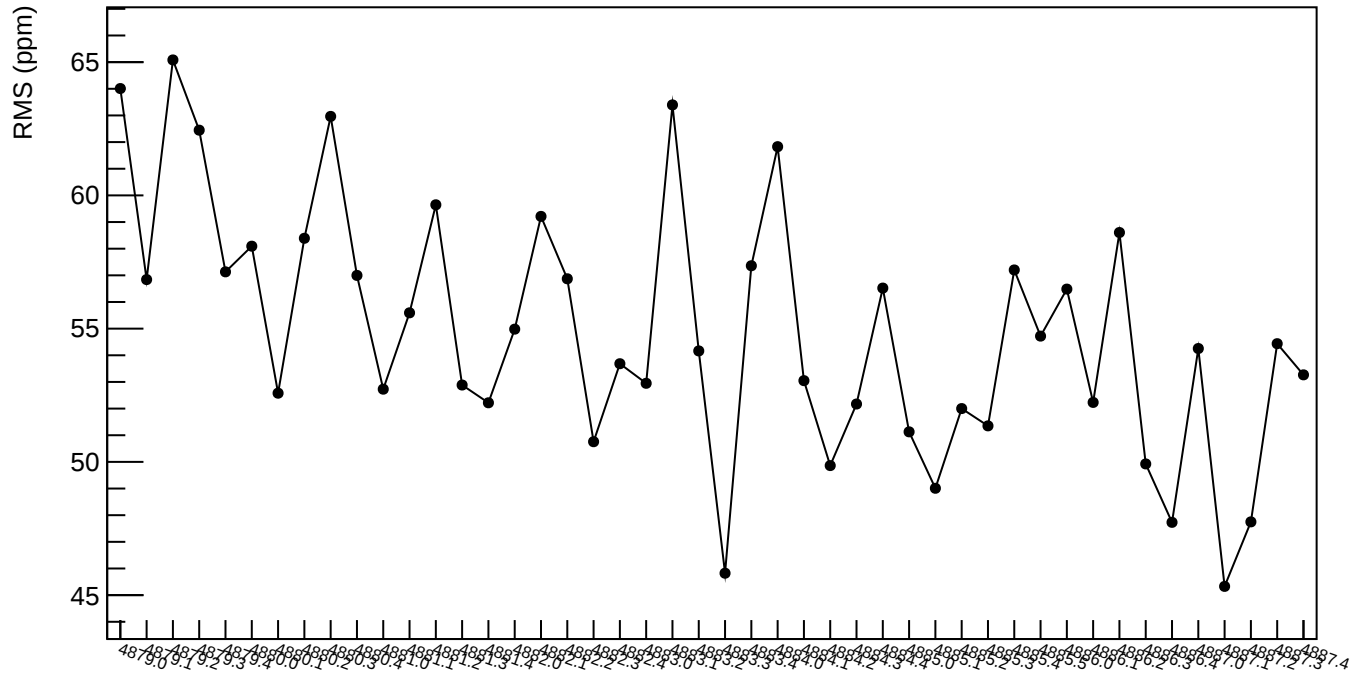
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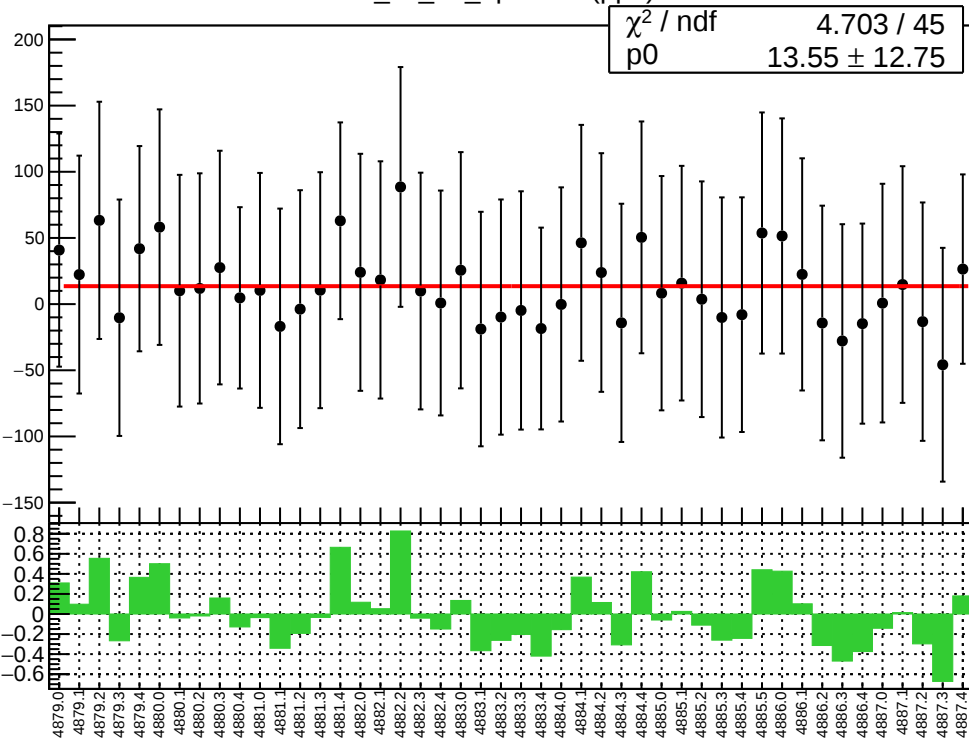
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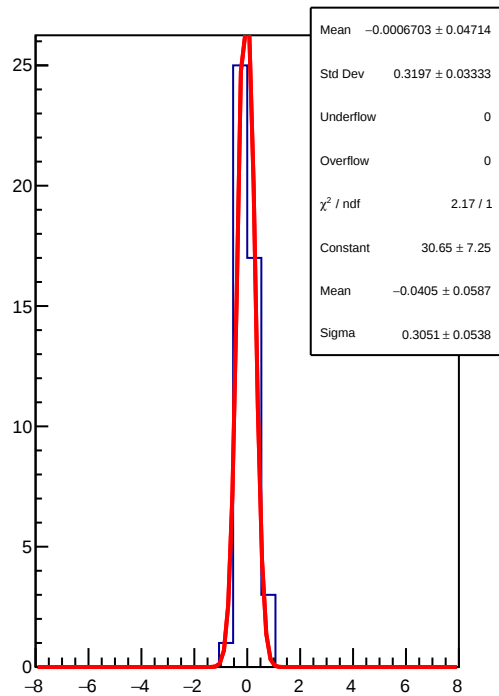
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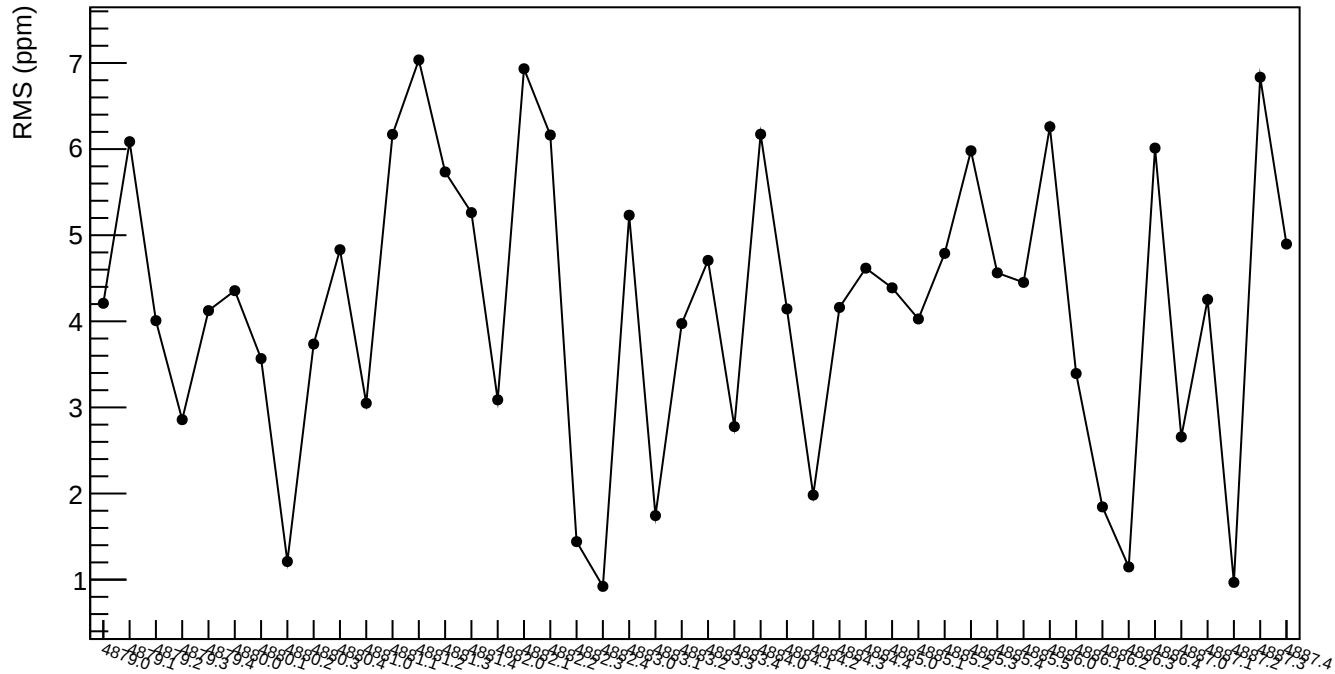
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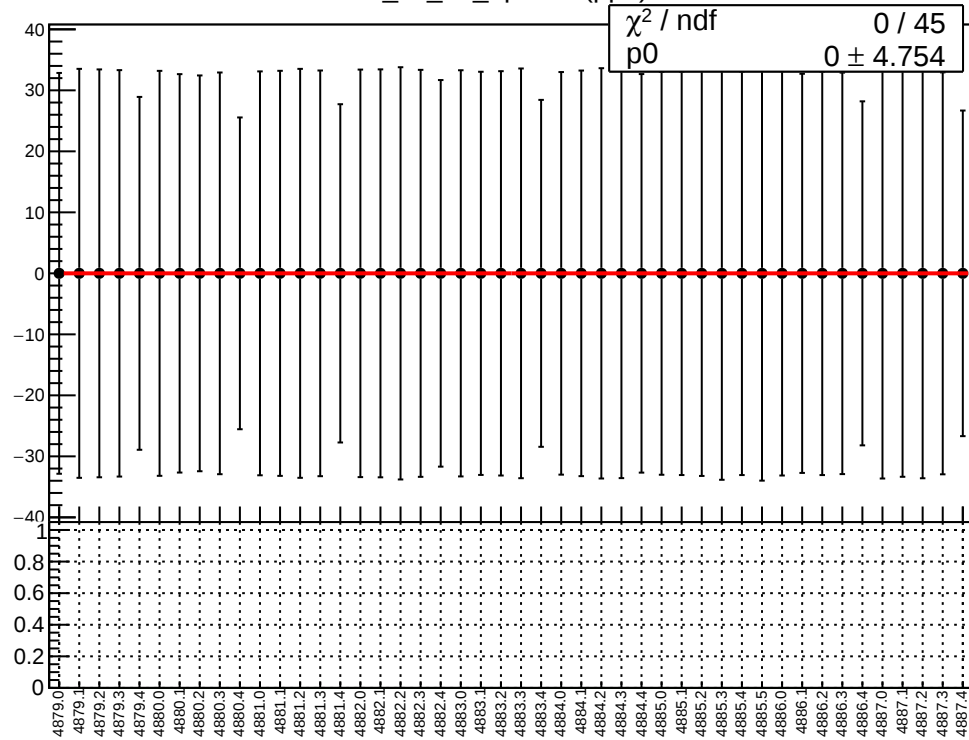
1D pull distribution



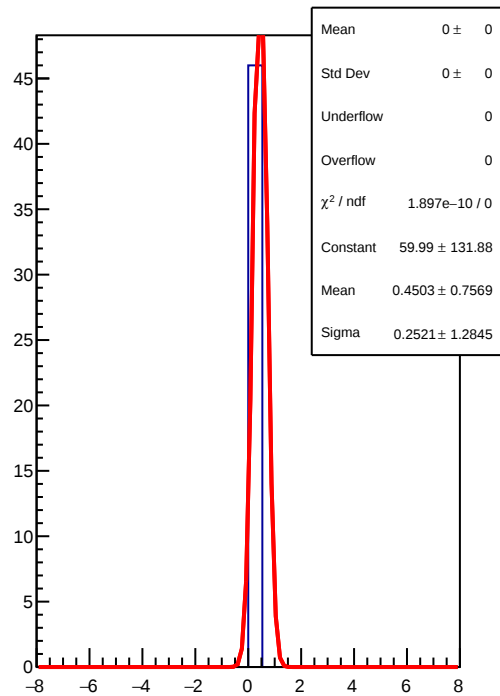
corr\_us\_dd\_bpm11Y RMS (ppm)



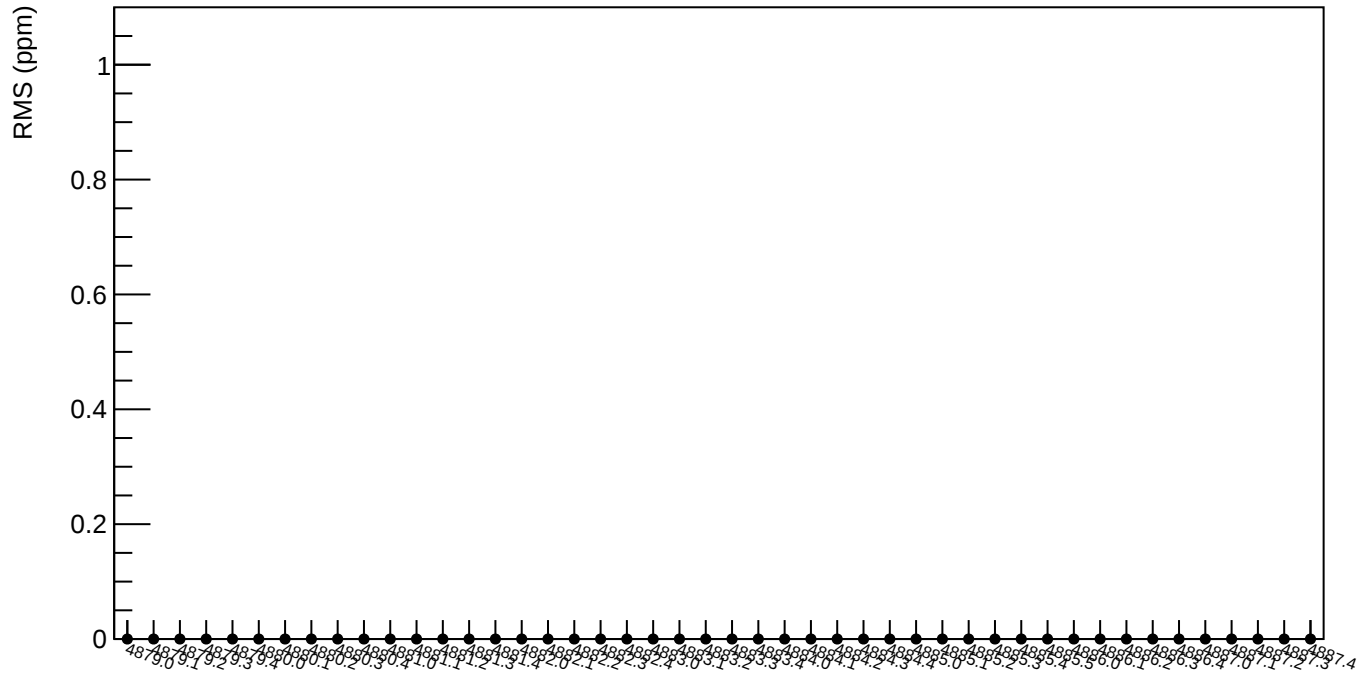
corr\_us\_dd\_bpm8X (ppb)



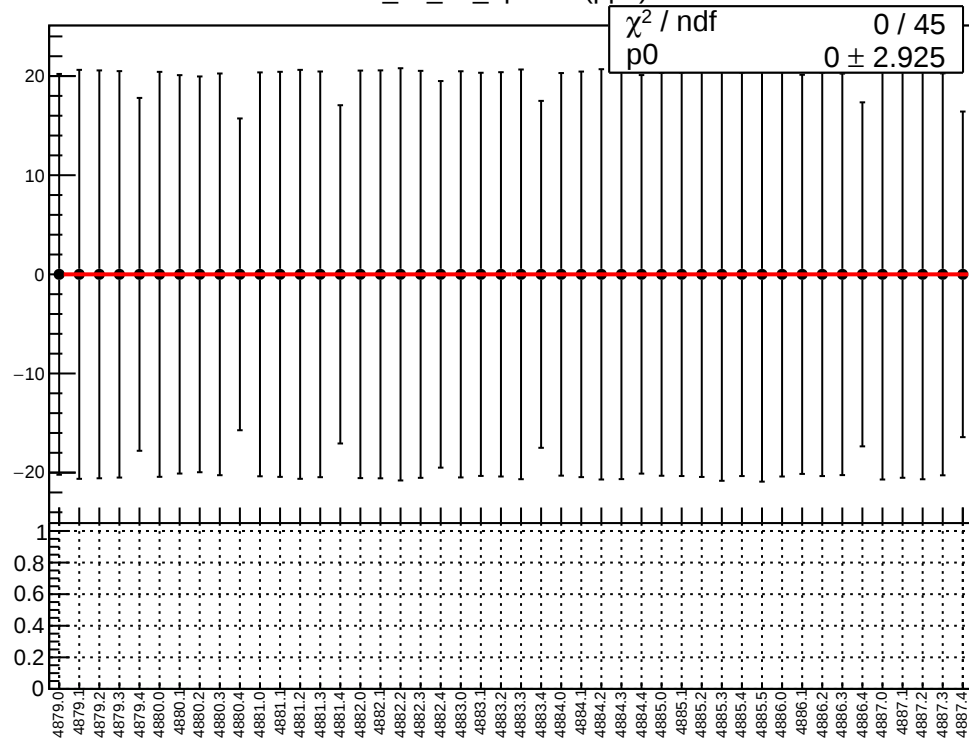
1D pull distribution



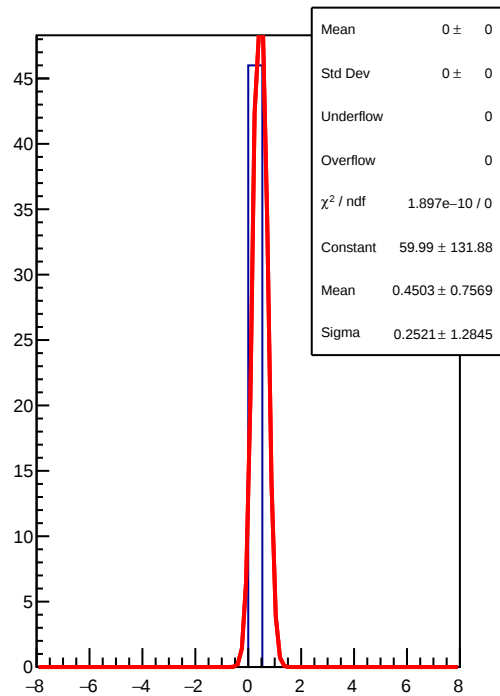
corr\_us\_dd\_bpm8X RMS (ppm)



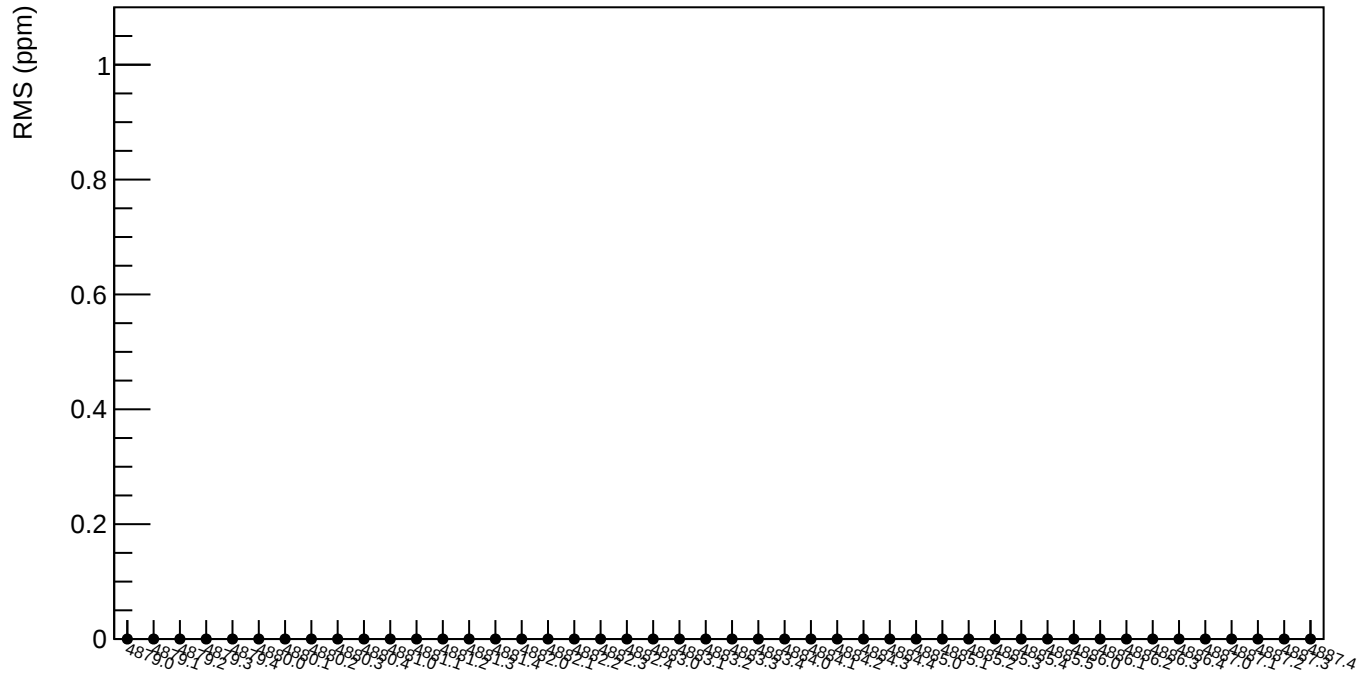
corr\_us\_dd\_bpm8Y (ppb)



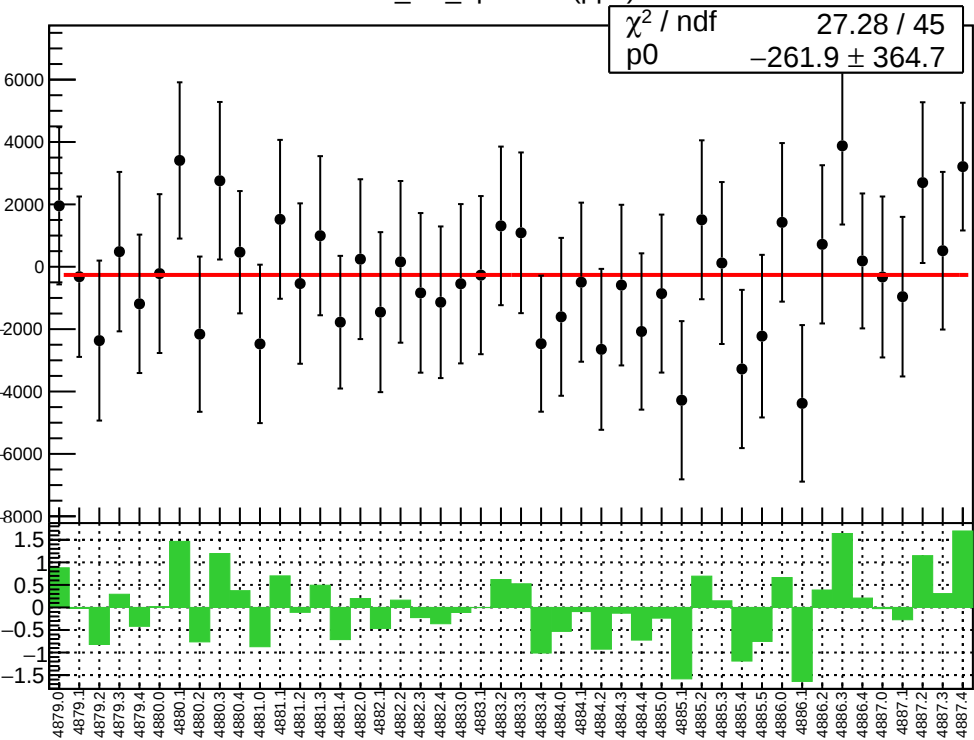
1D pull distribution



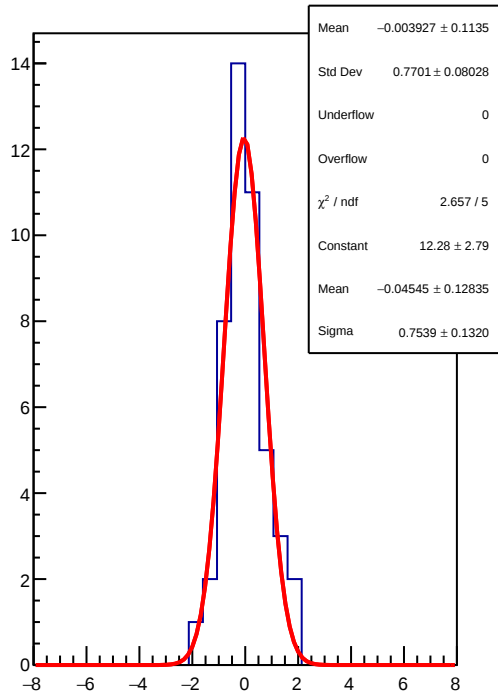
corr\_us\_dd\_bpm8Y RMS (ppm)



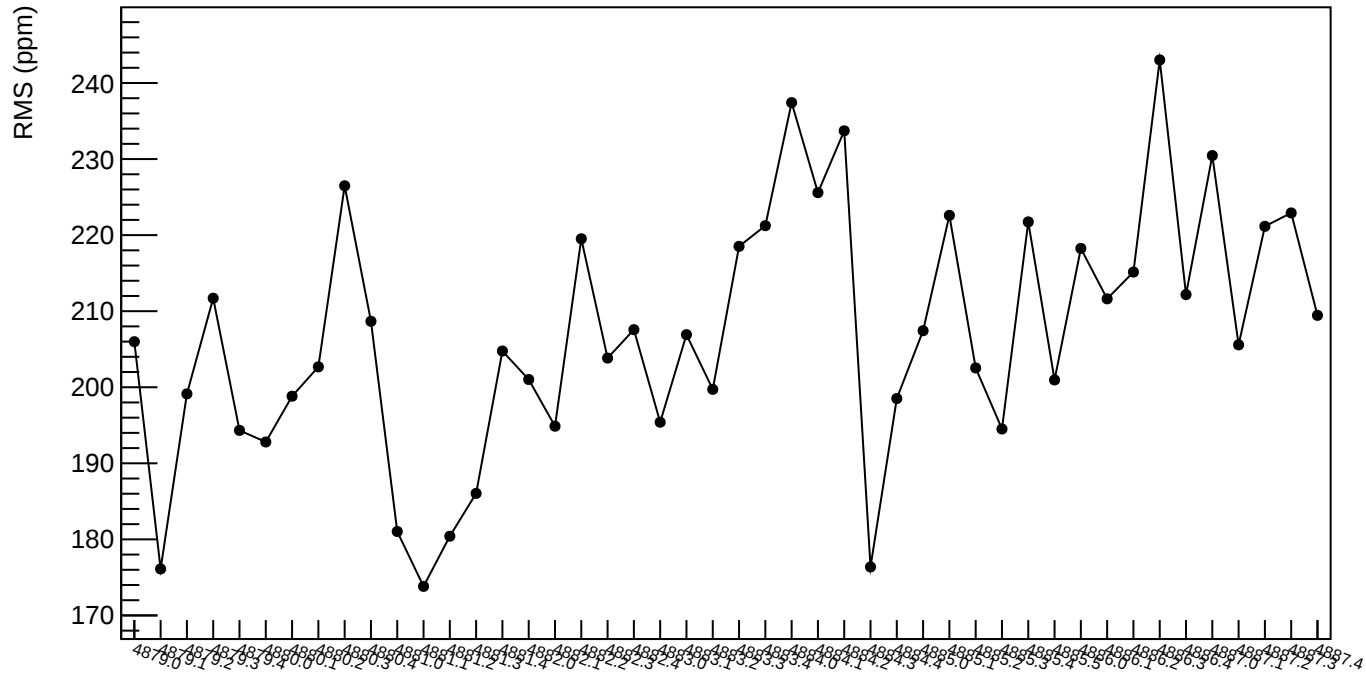
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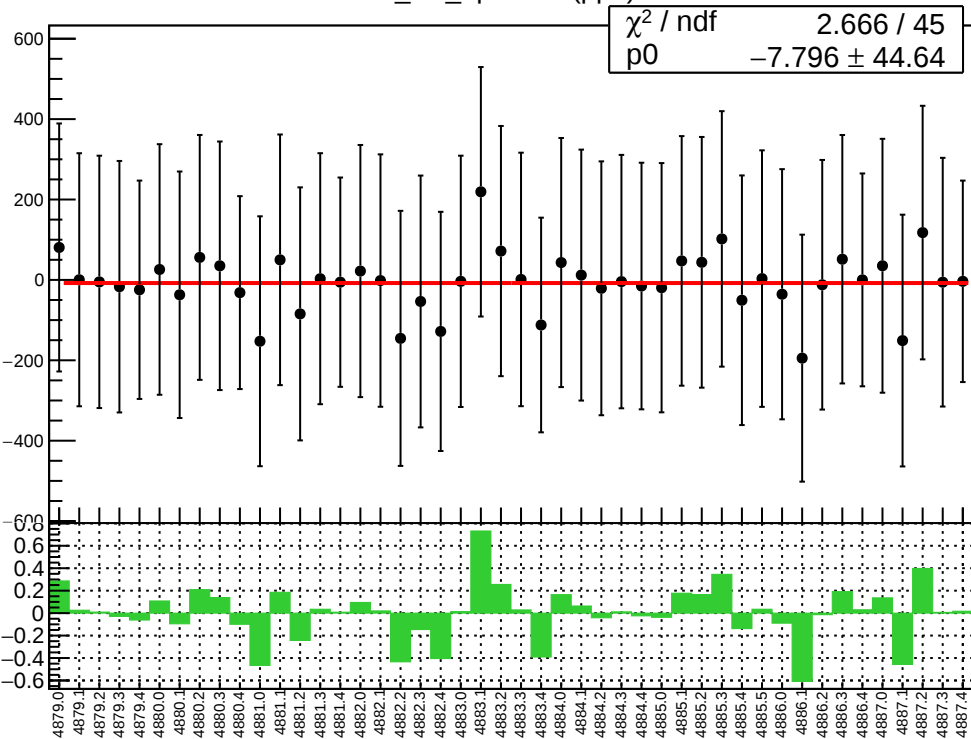
1D pull distribution



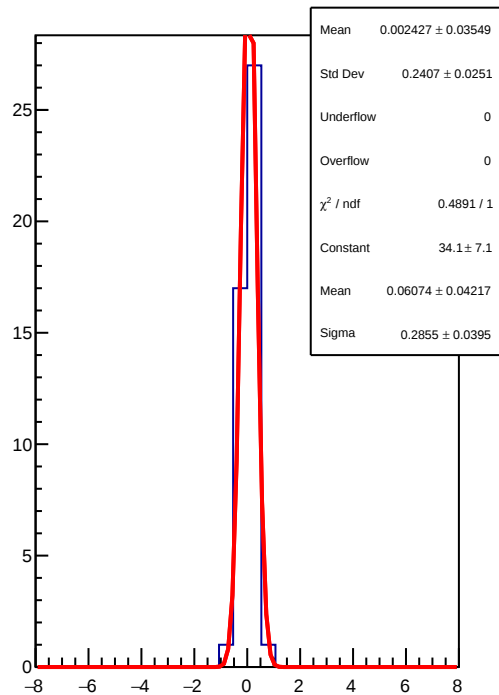
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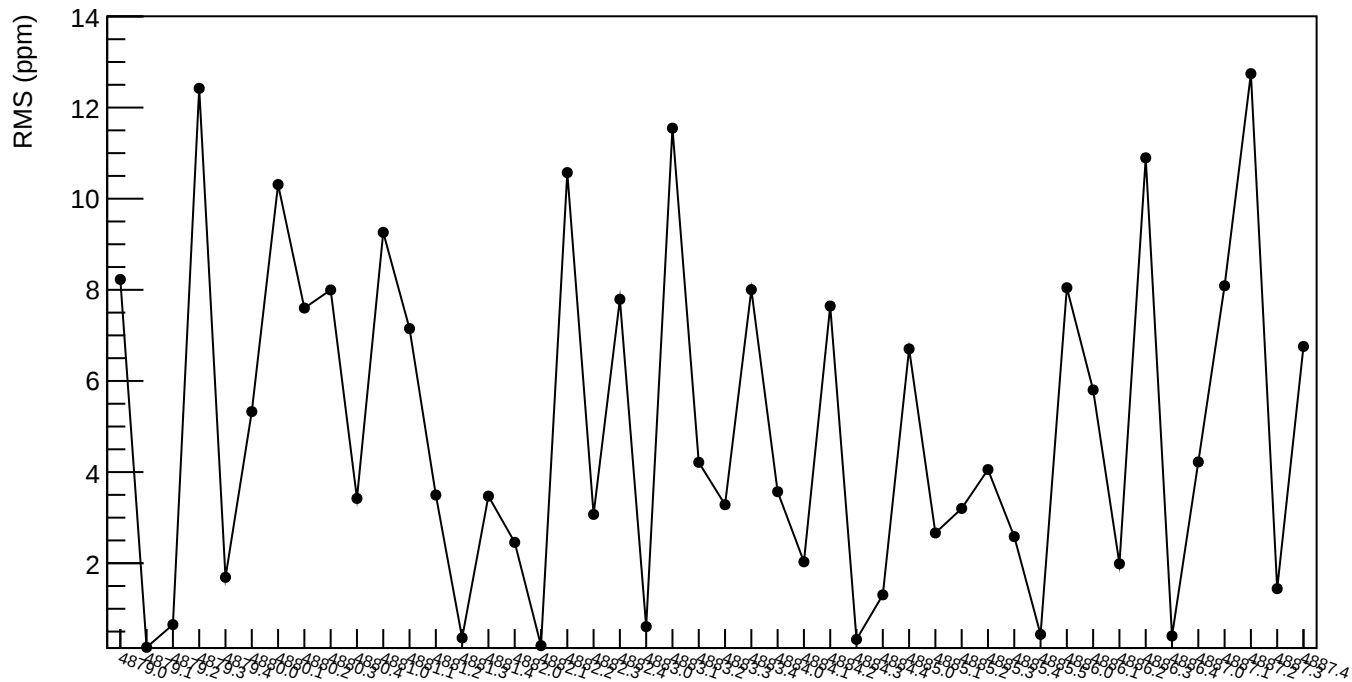
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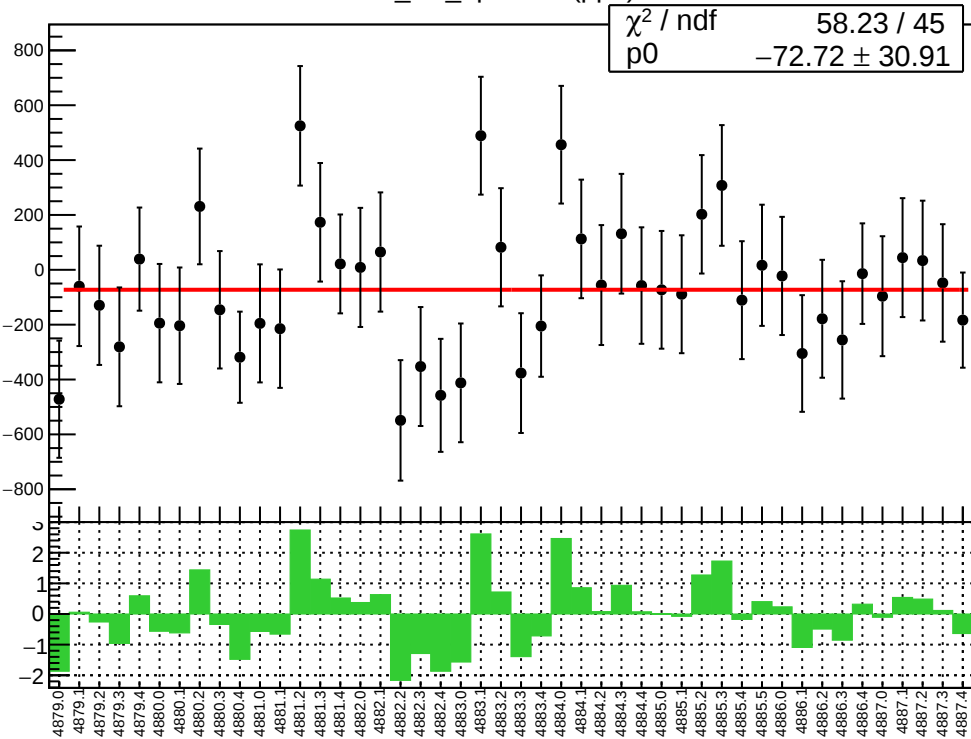
1D pull distribution



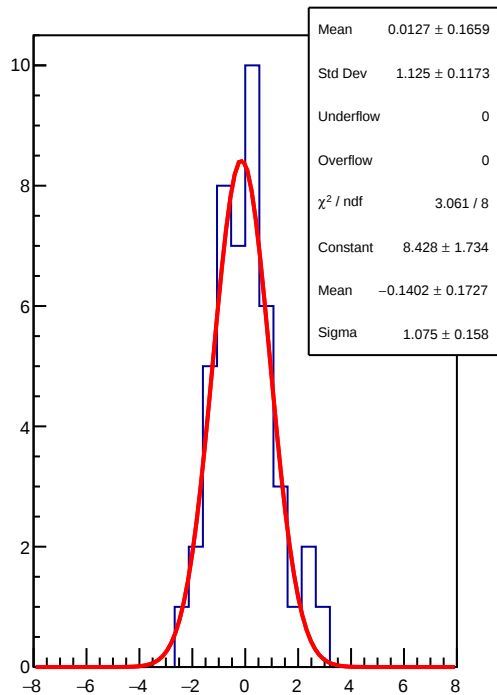
corr\_usl\_bpm4eY RMS (ppm)



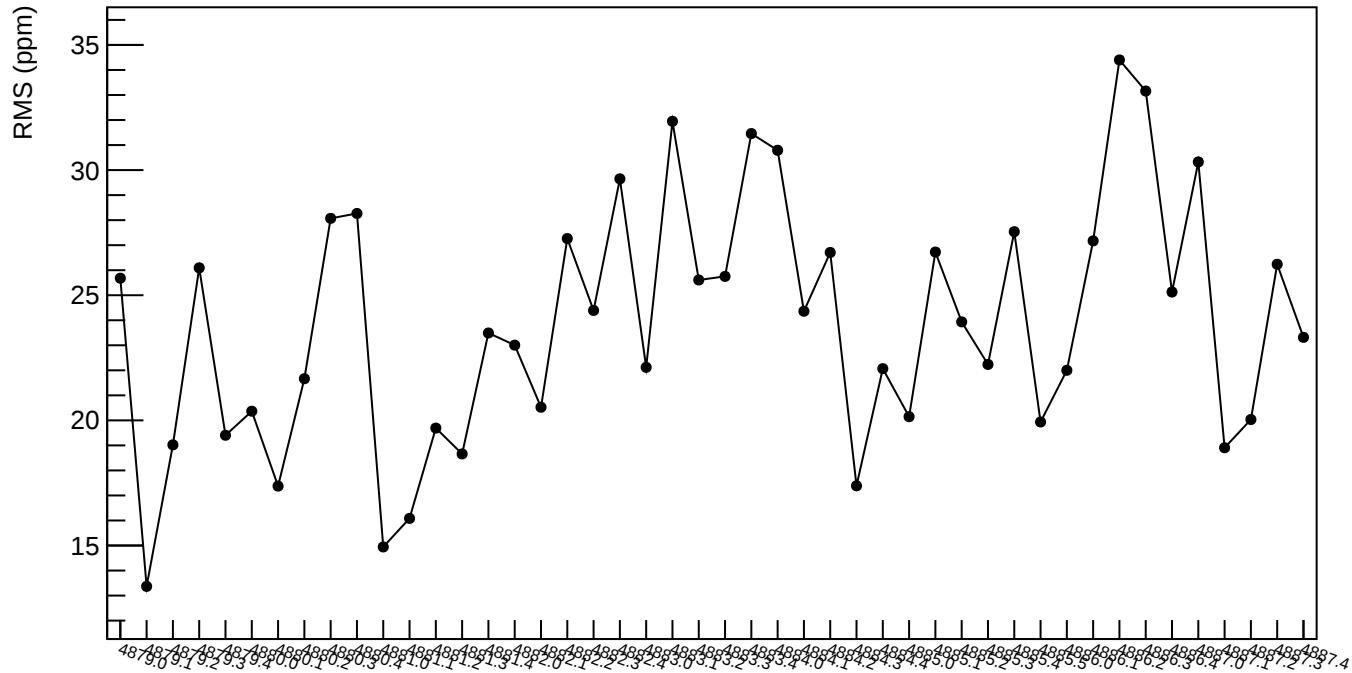
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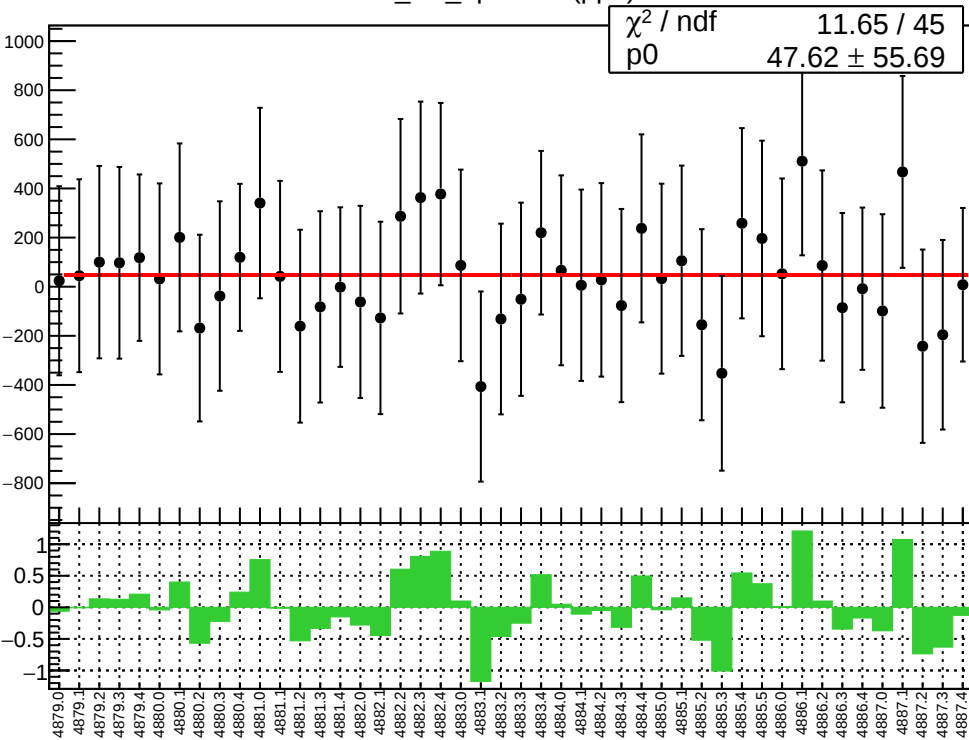
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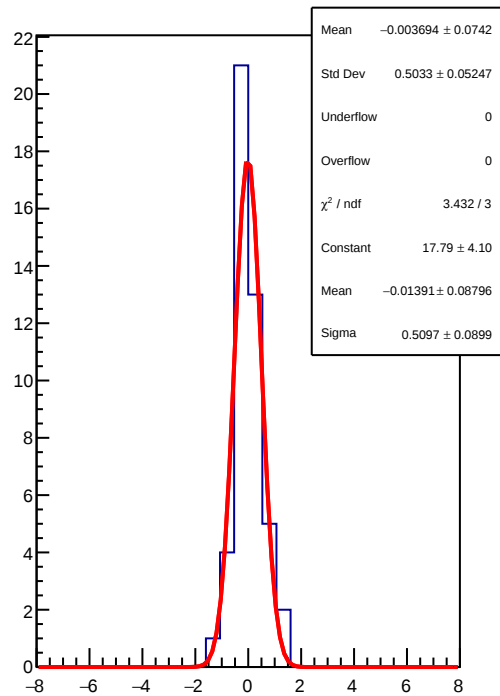
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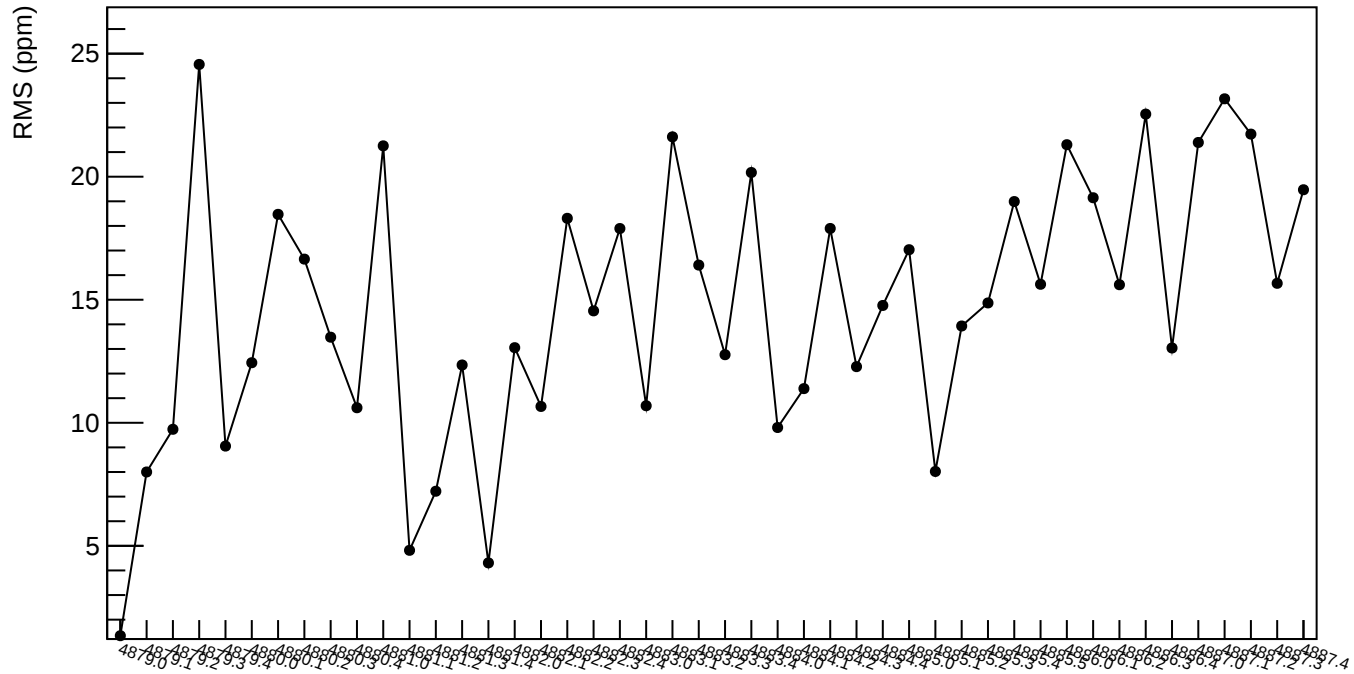
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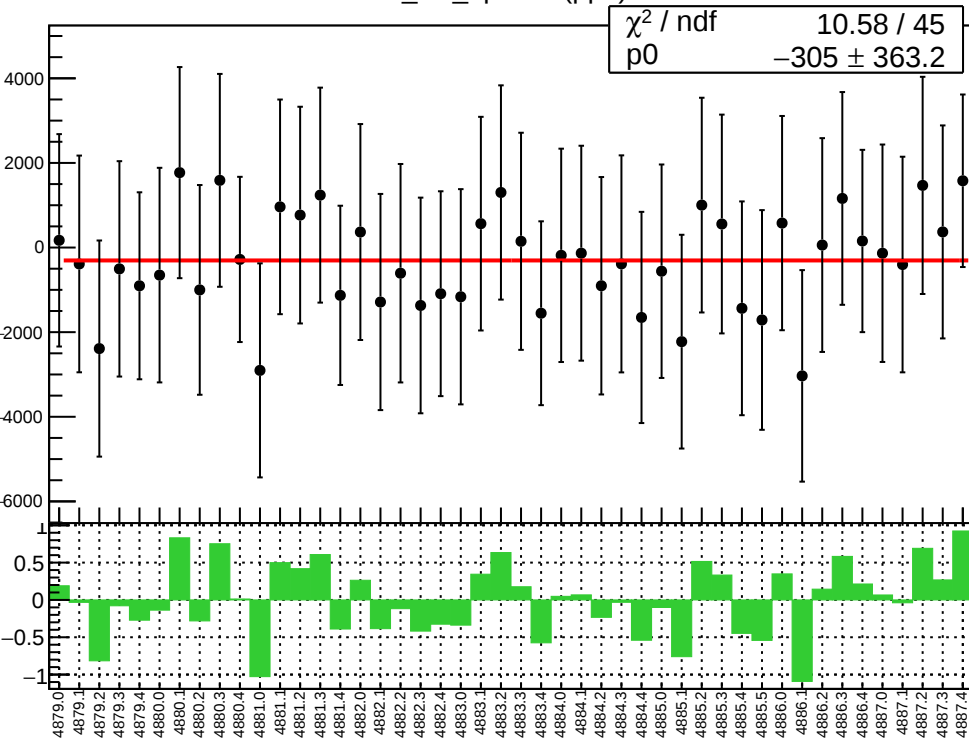
1D pull distribution



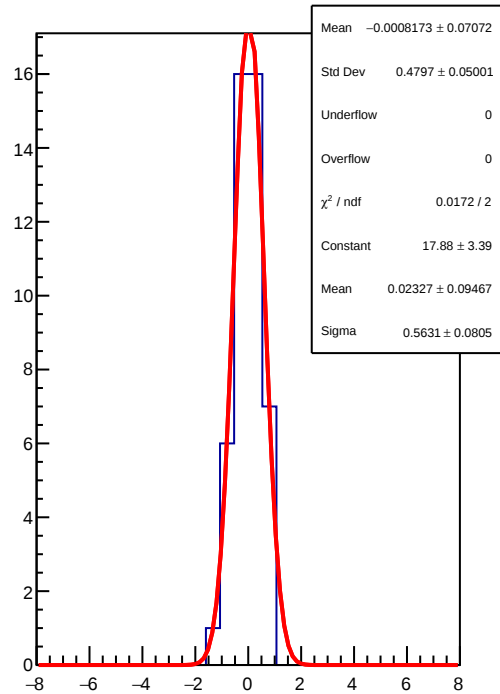
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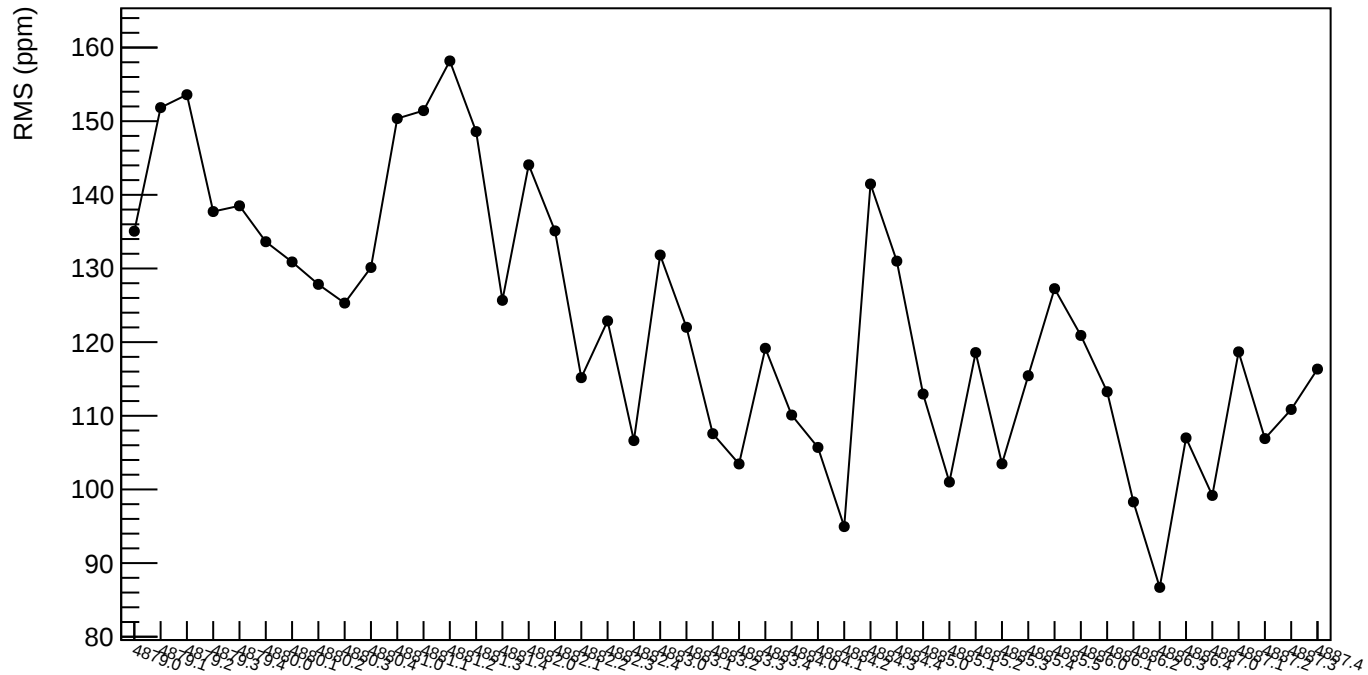
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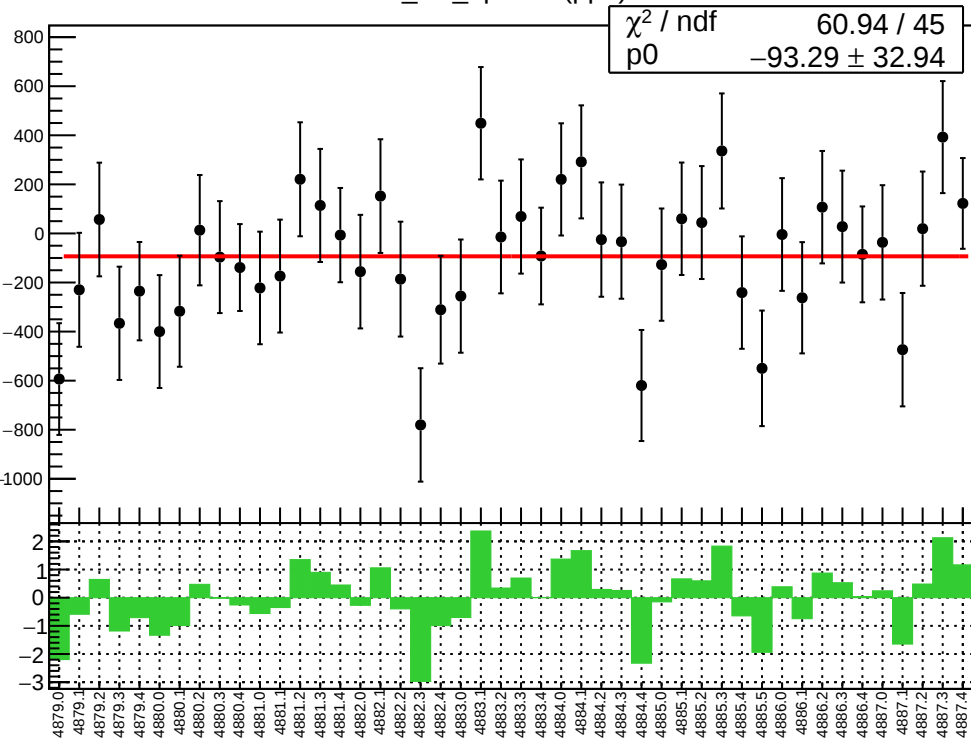
1D pull distribution



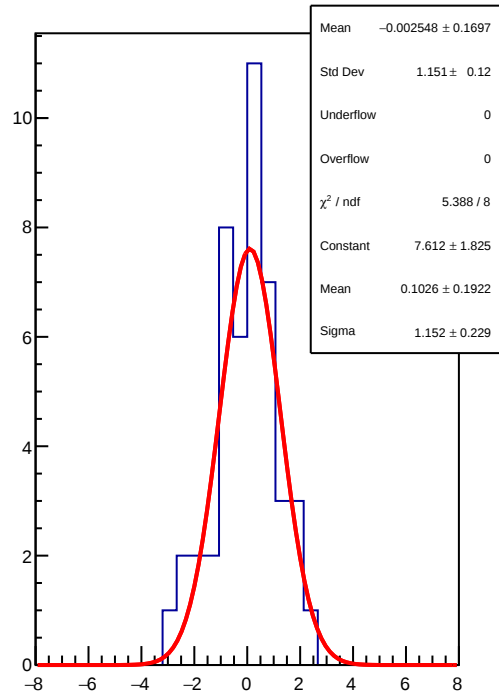
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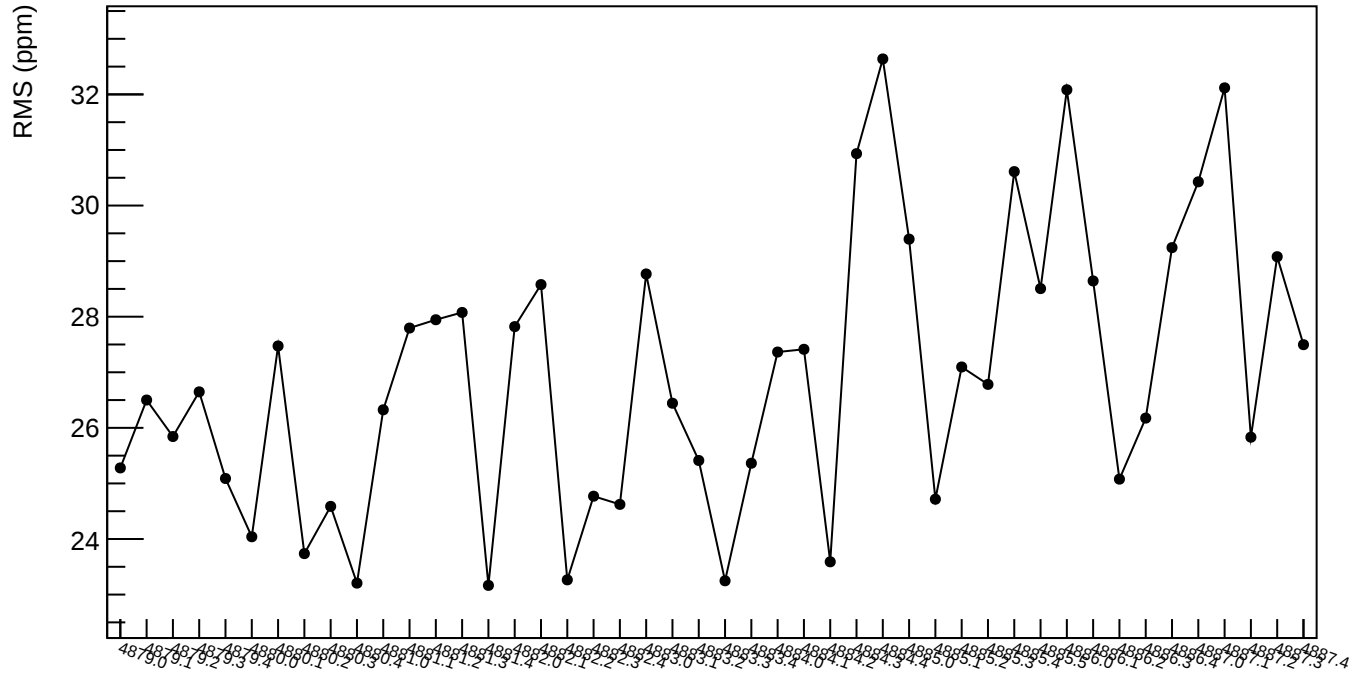
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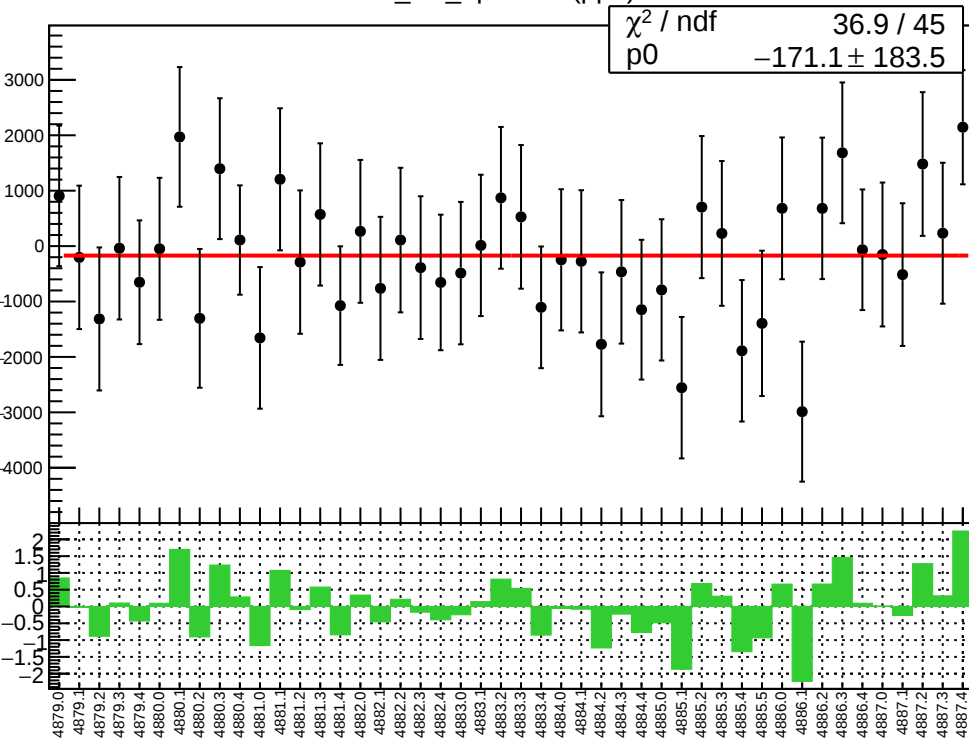
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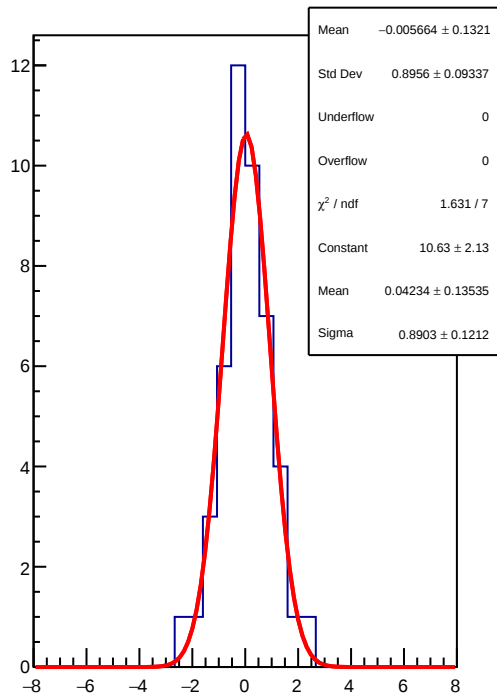
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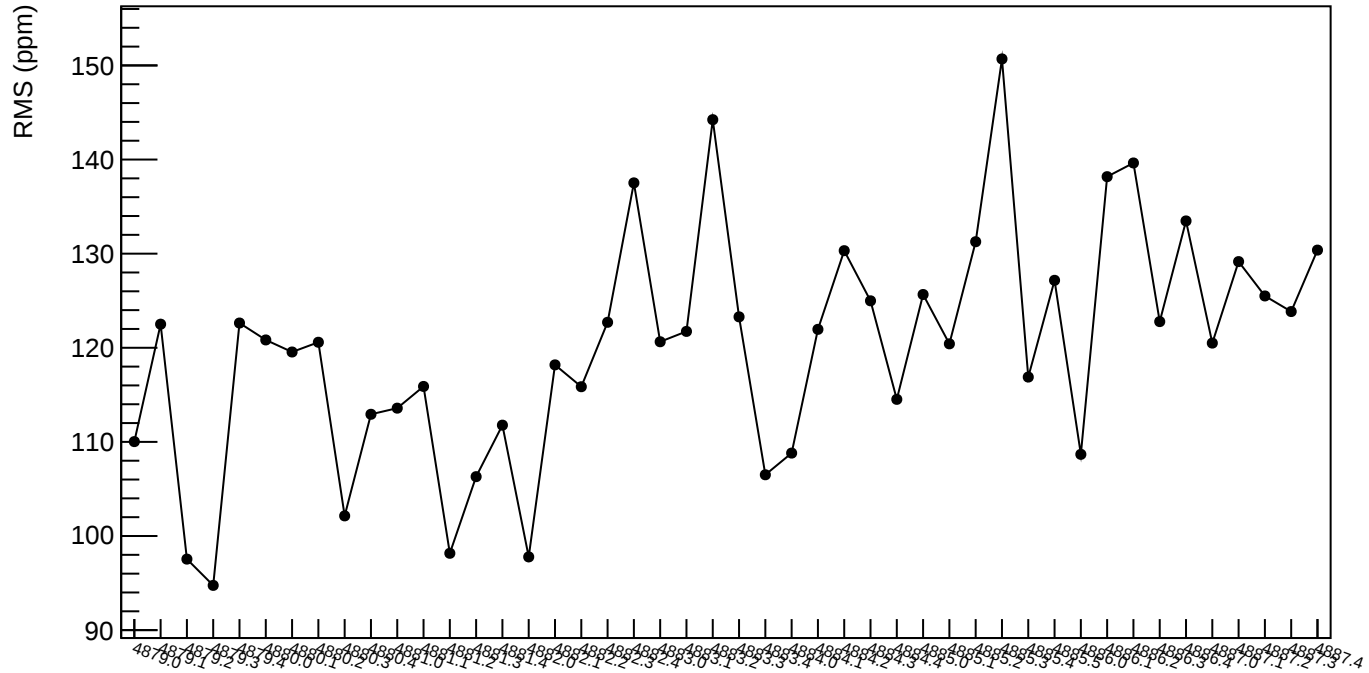
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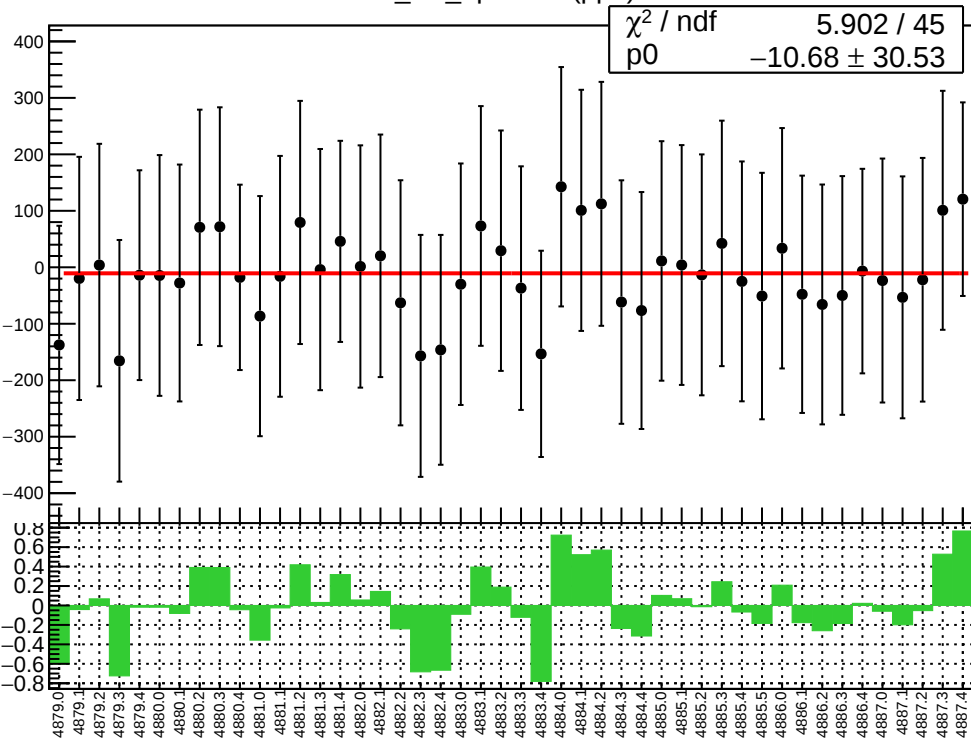
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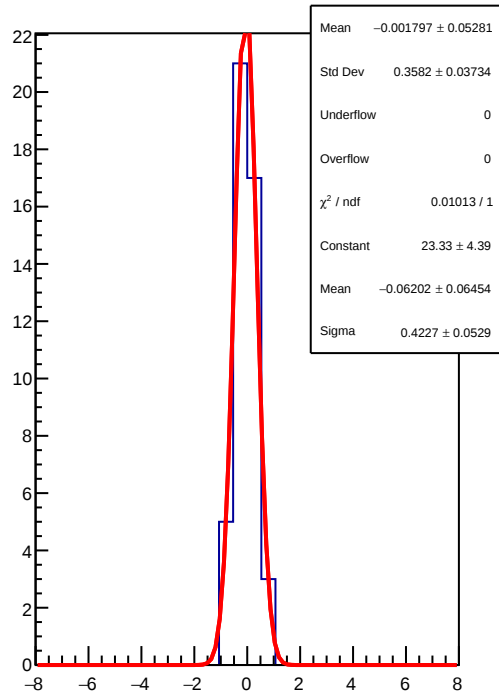
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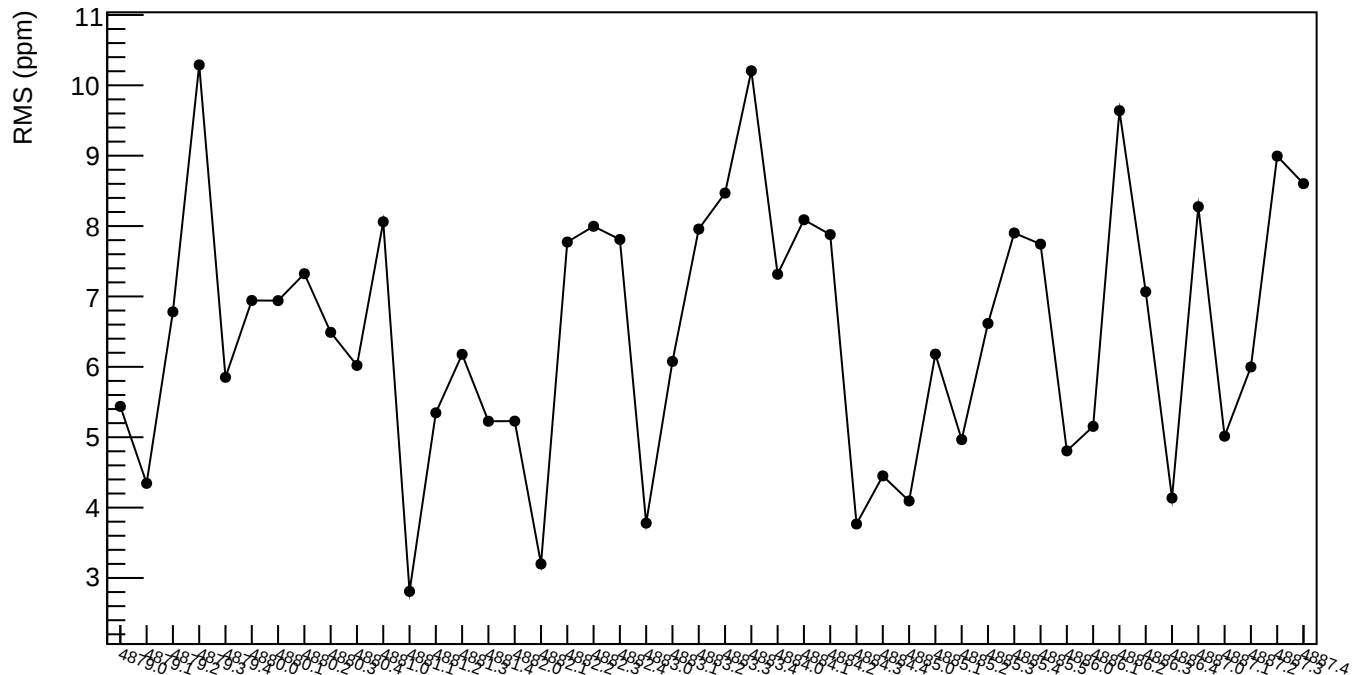
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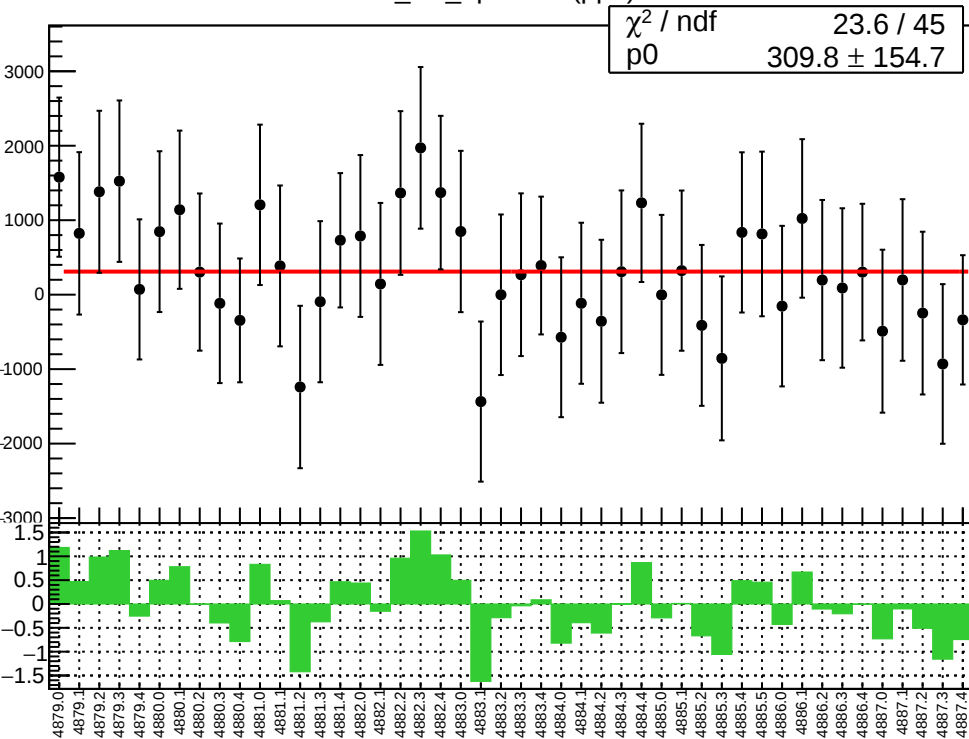
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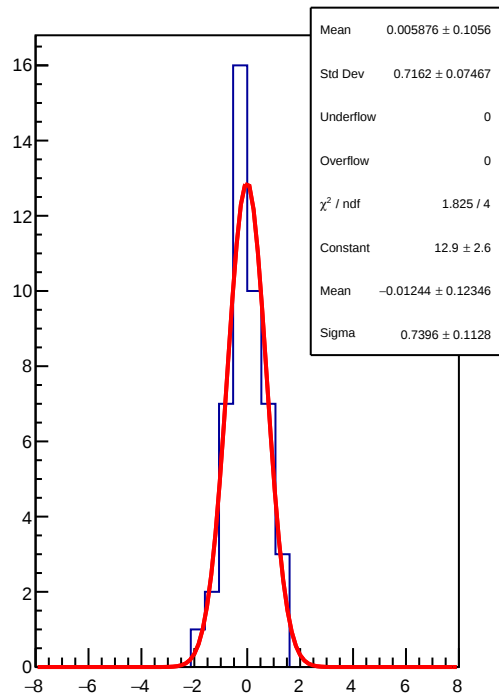
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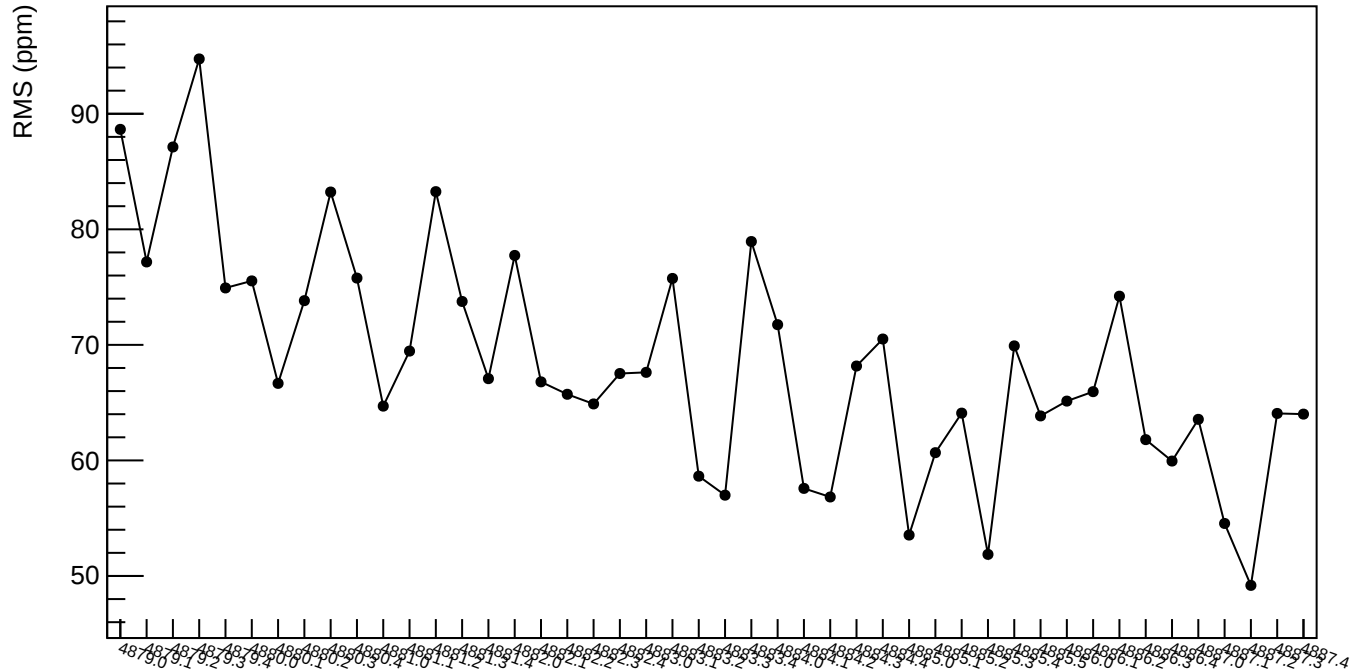
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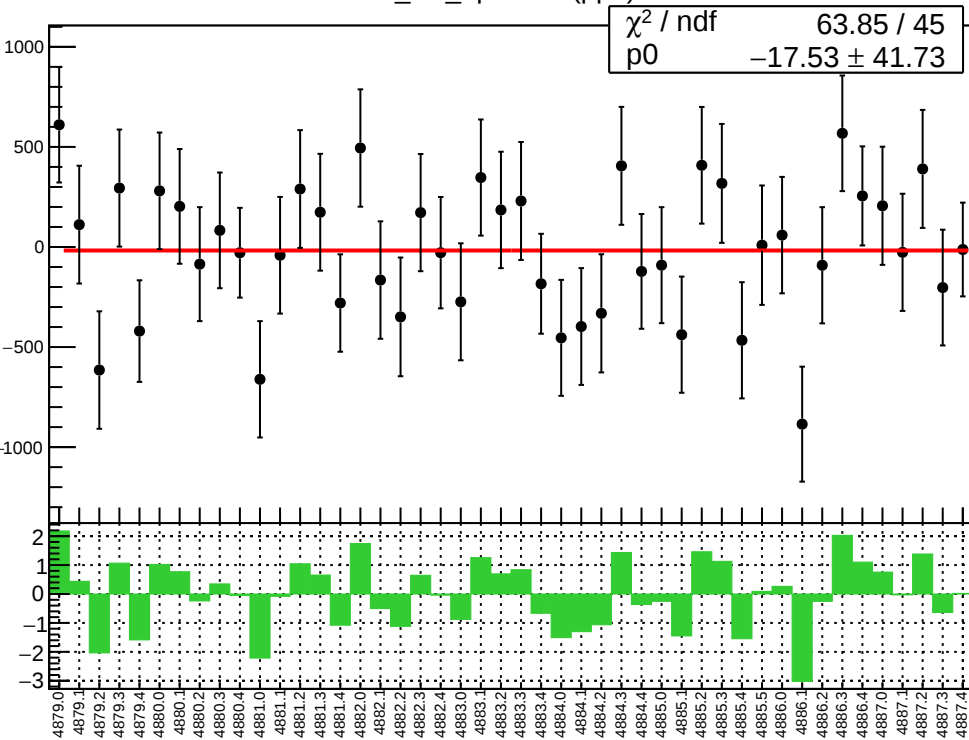
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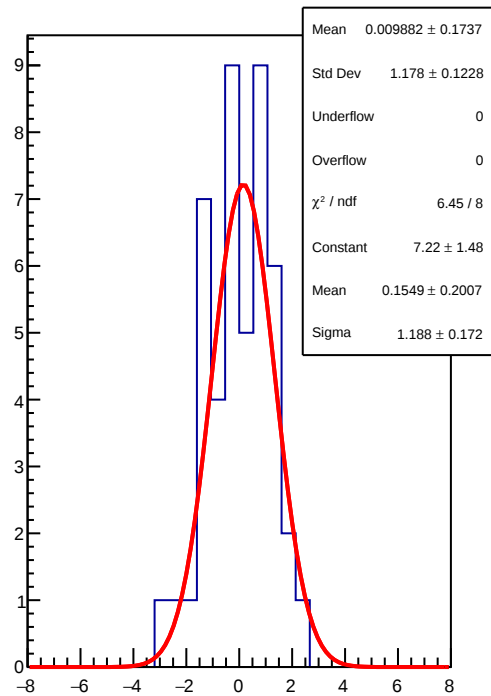
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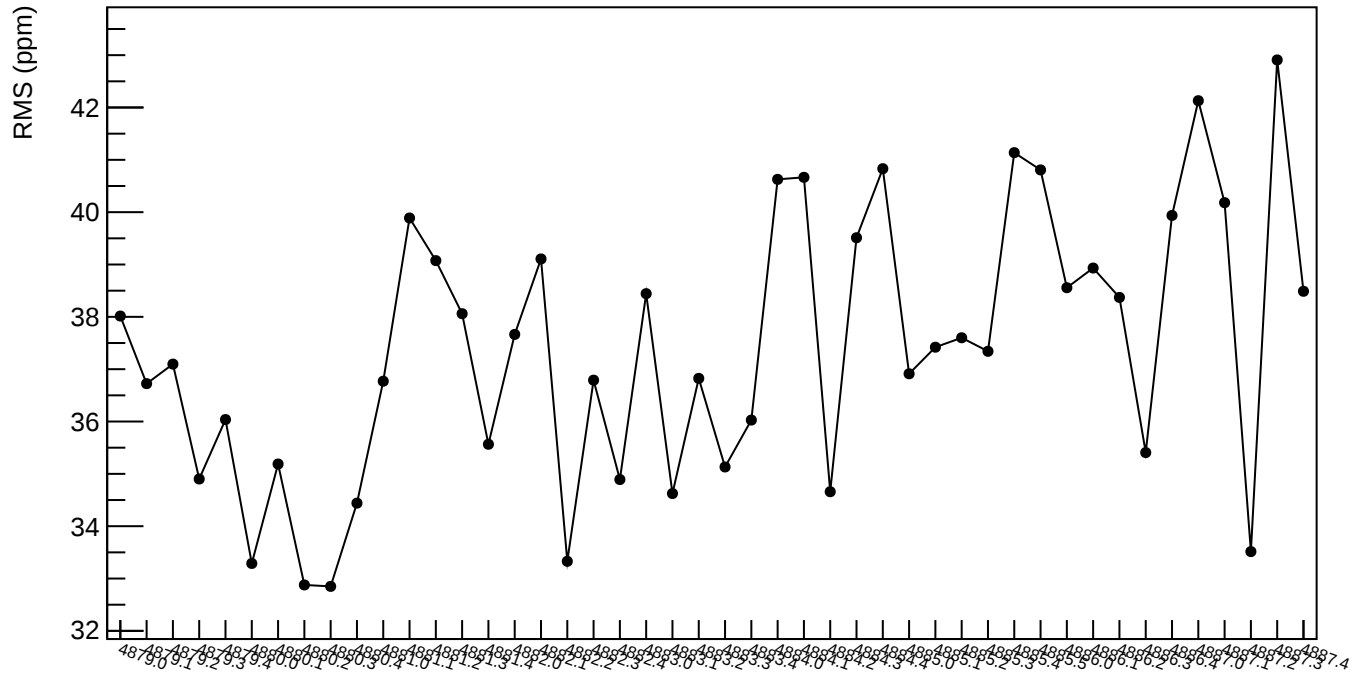
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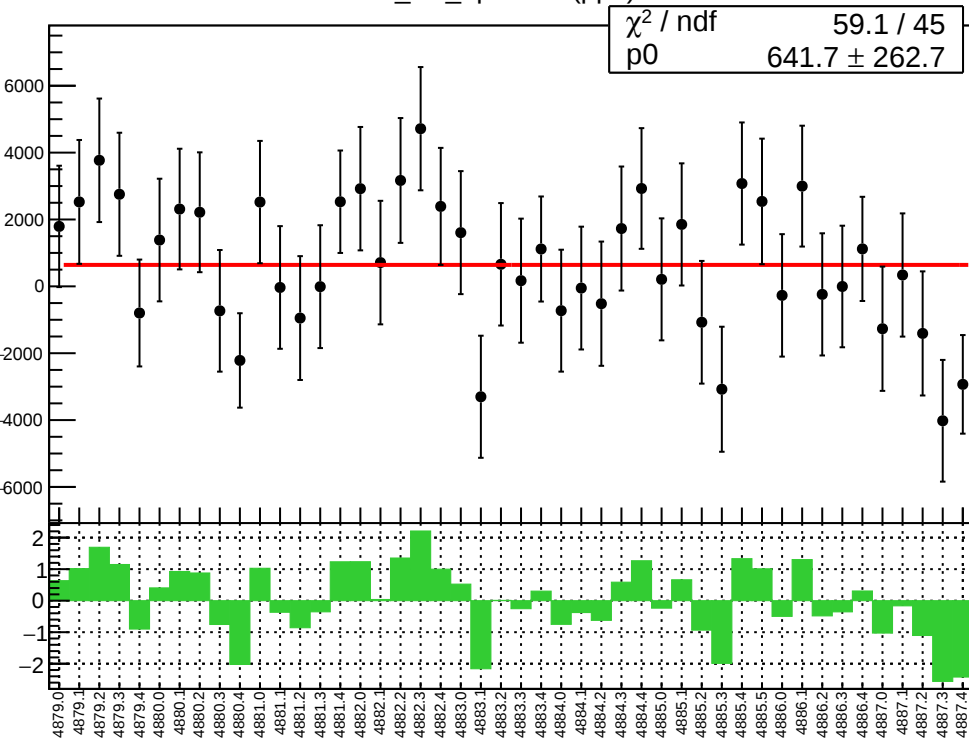
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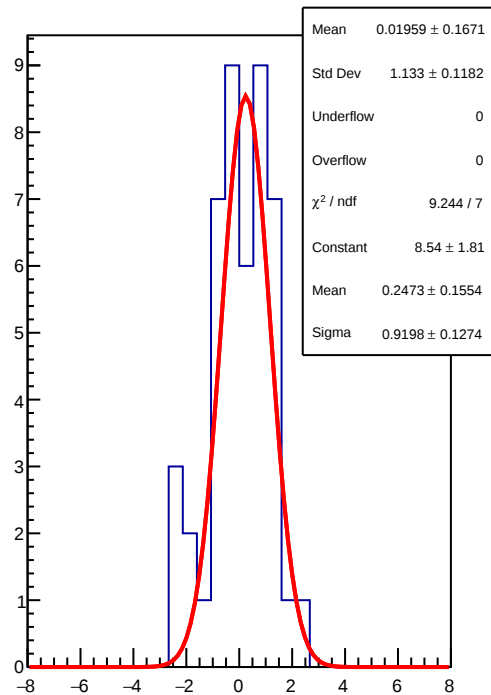
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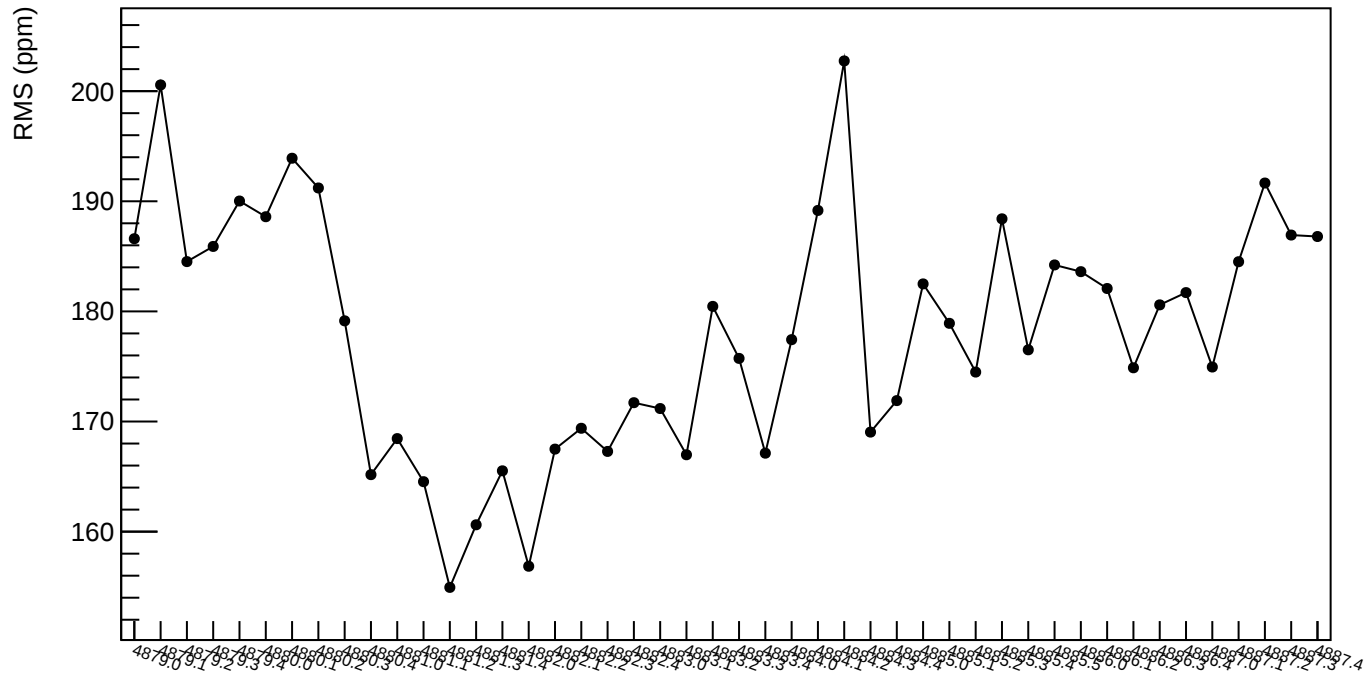
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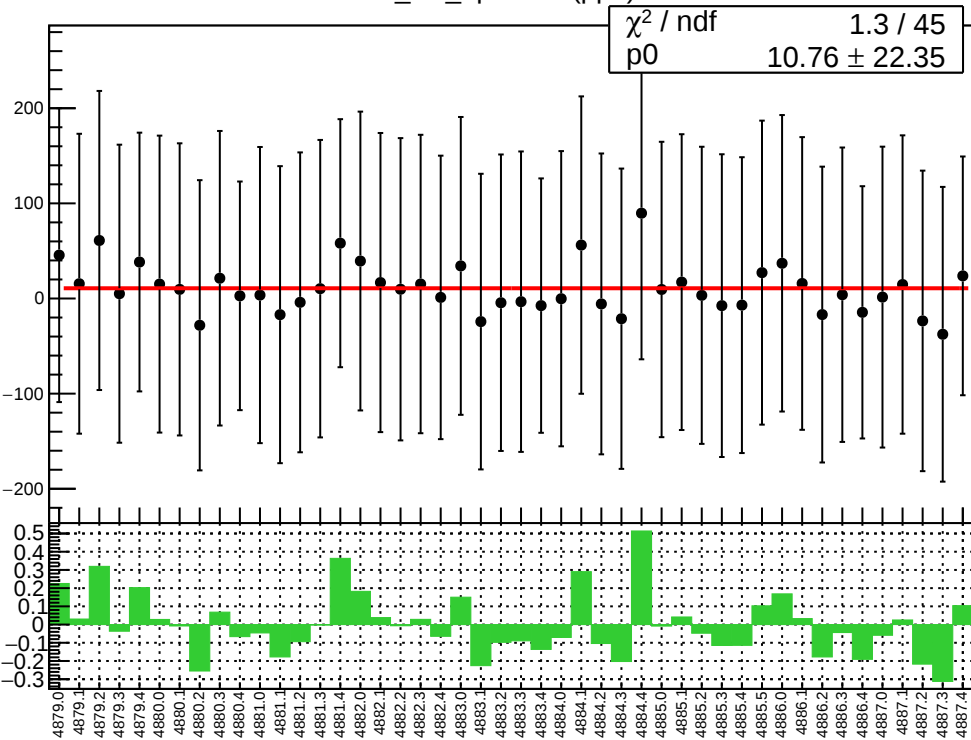
1D pull distribution



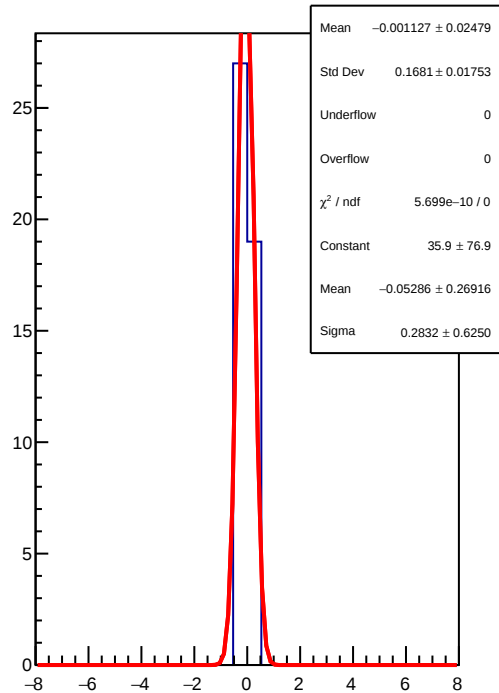
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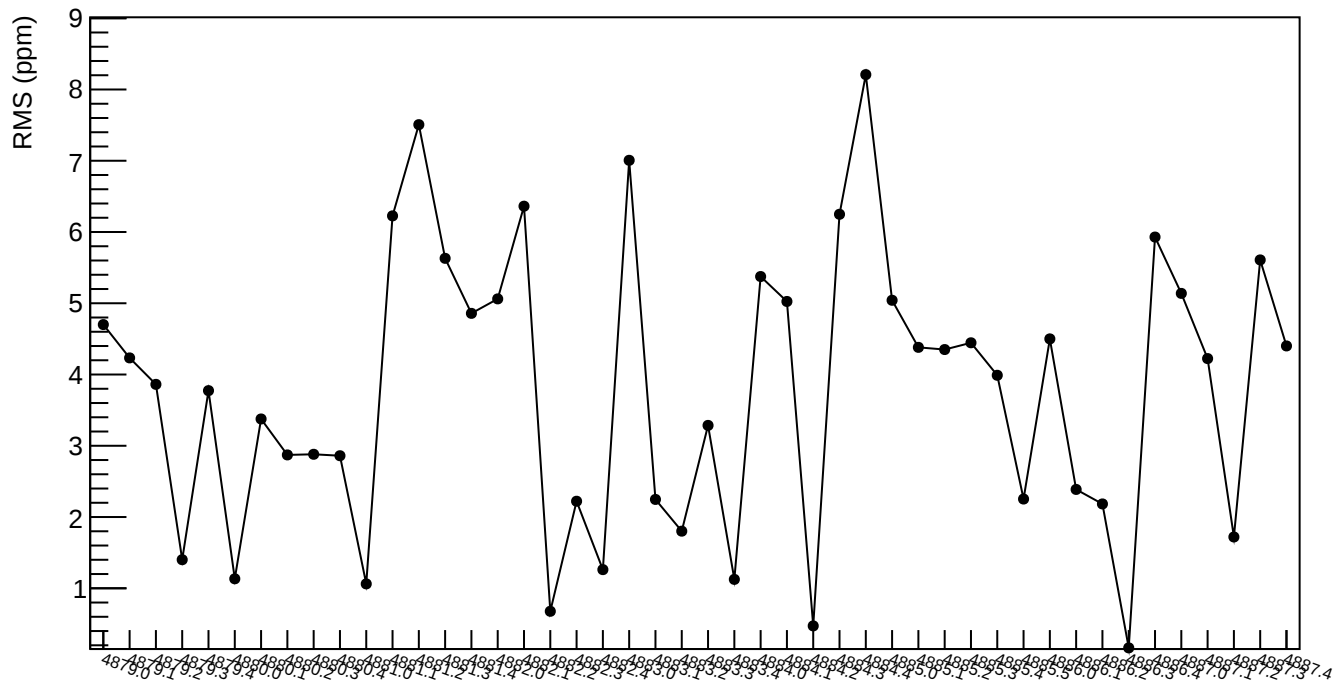
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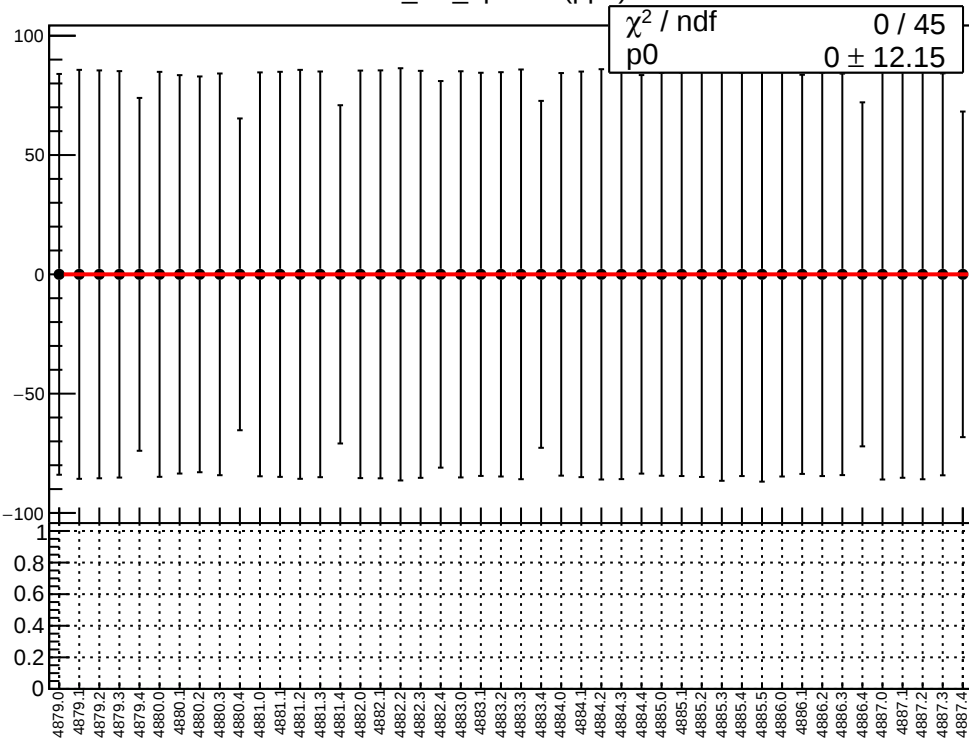
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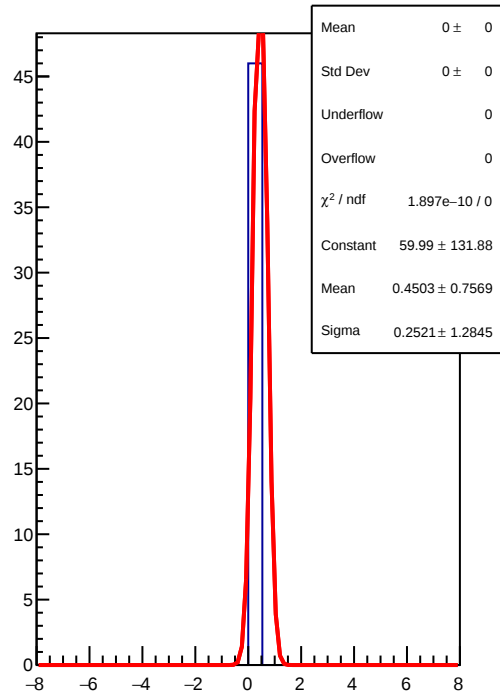
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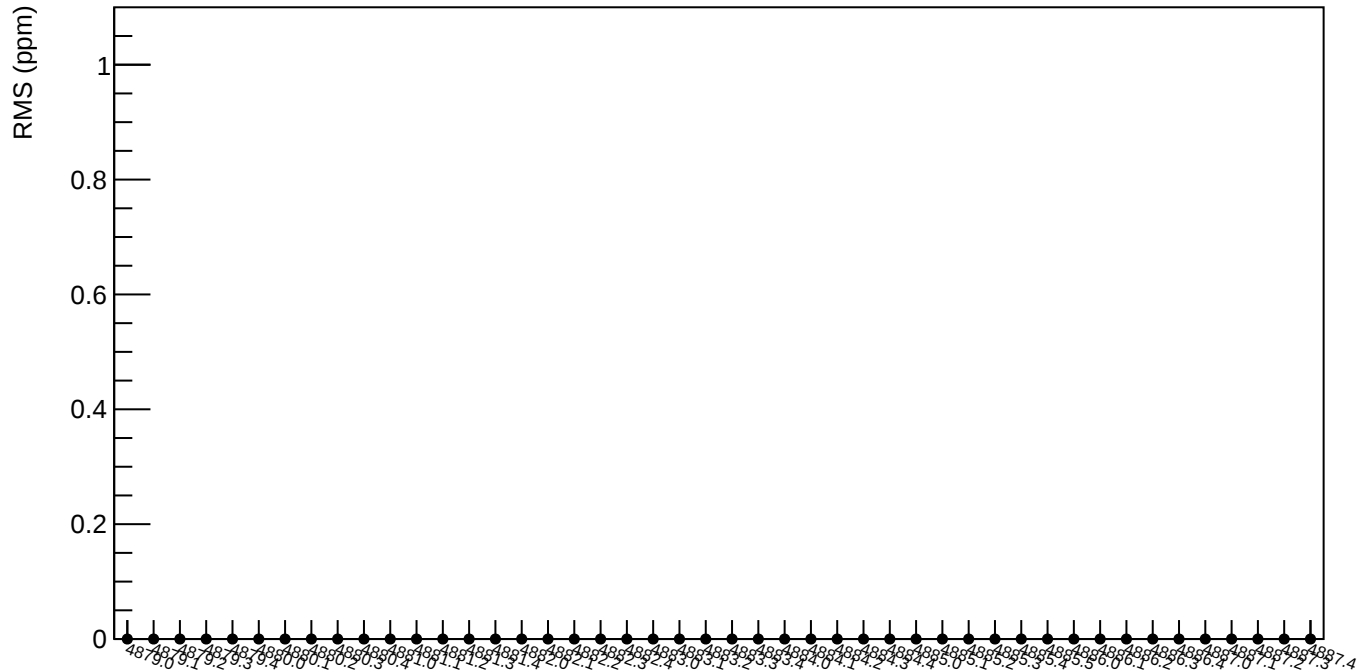
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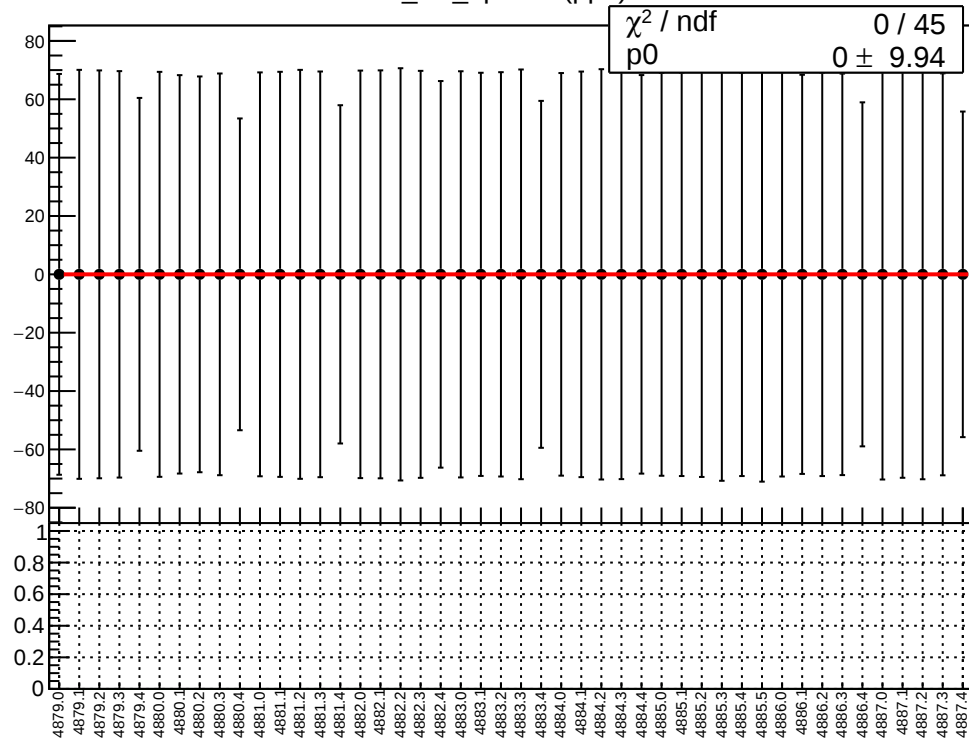
1D pull distribution



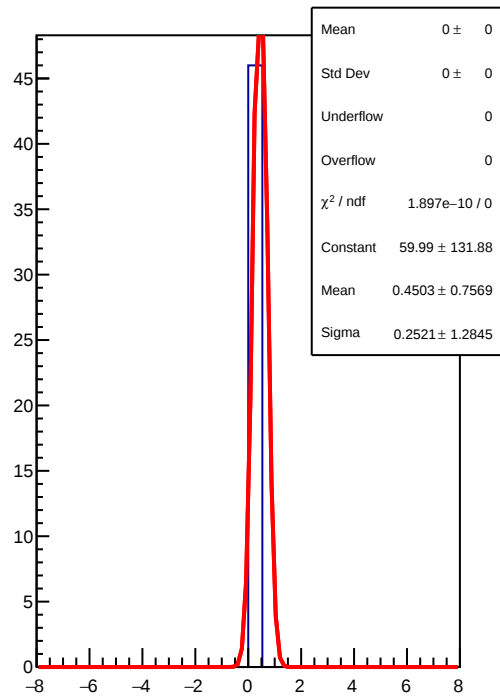
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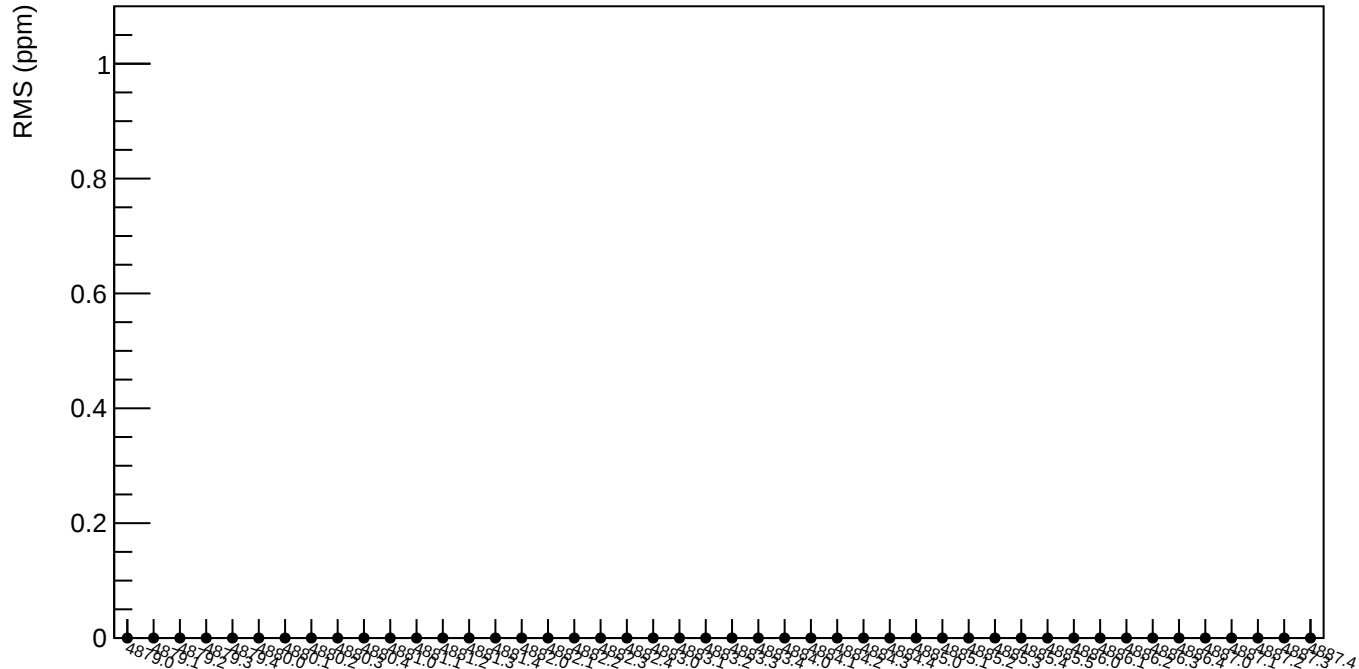
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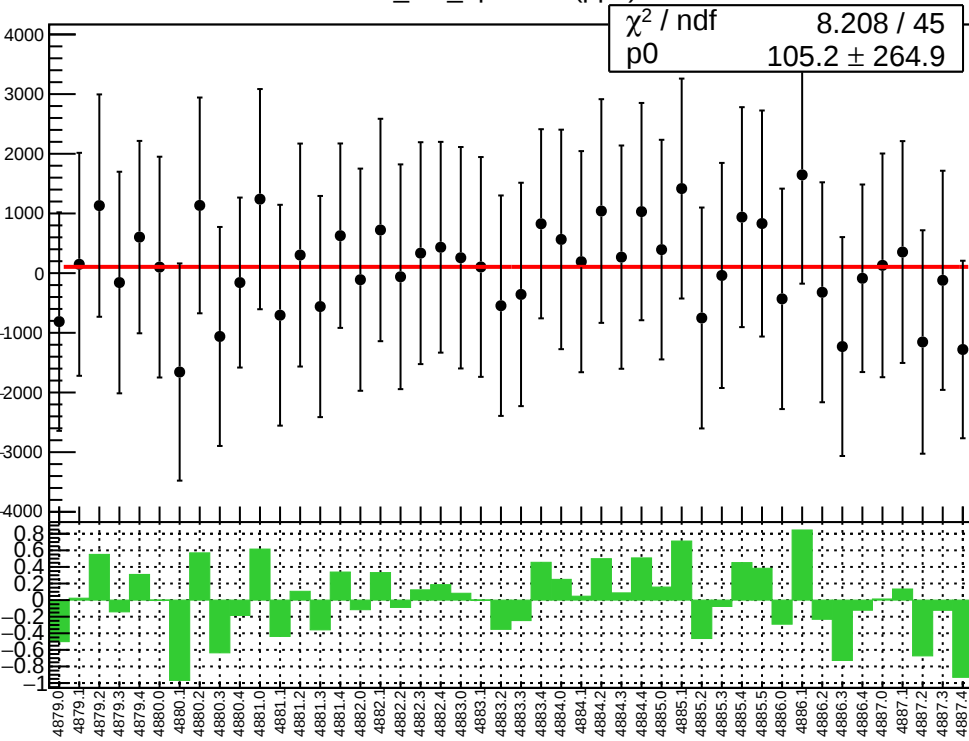
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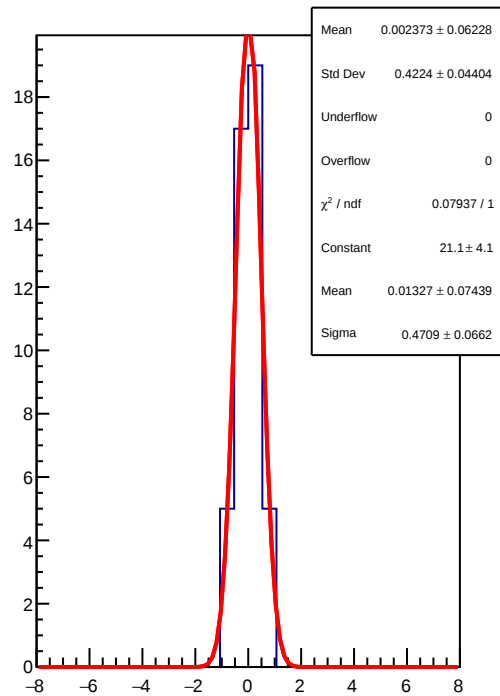
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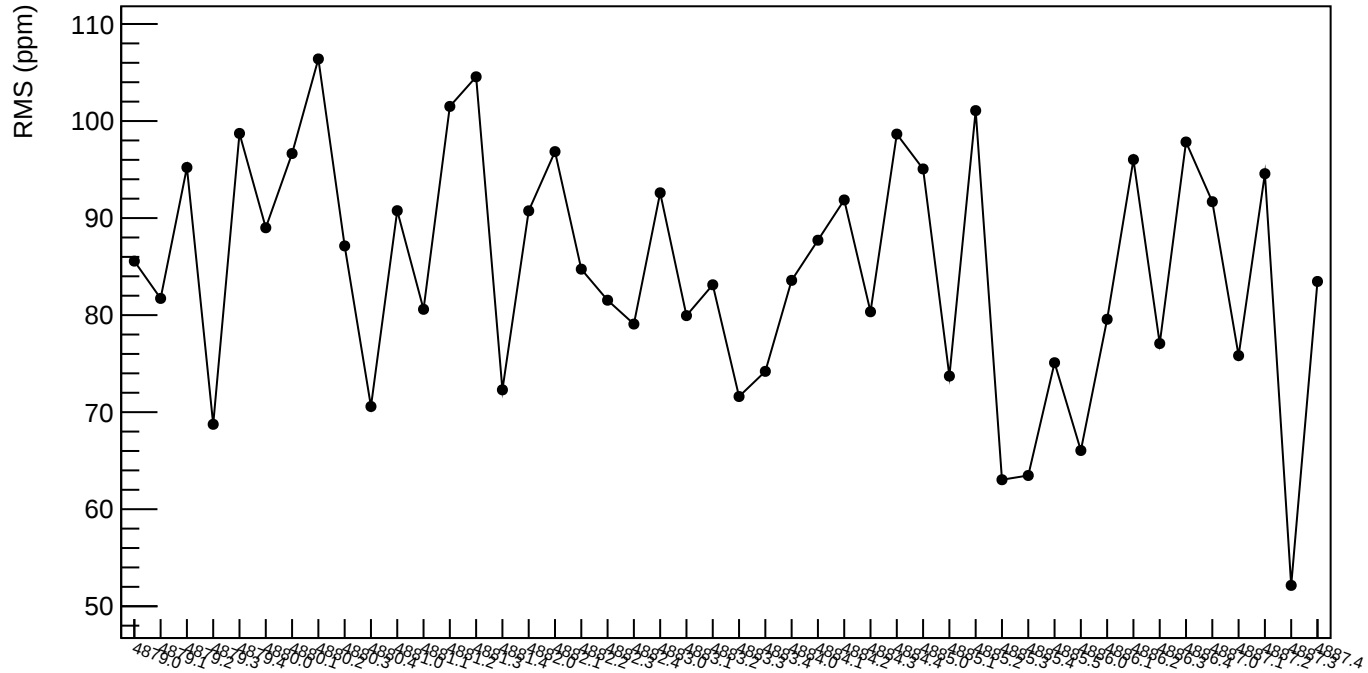
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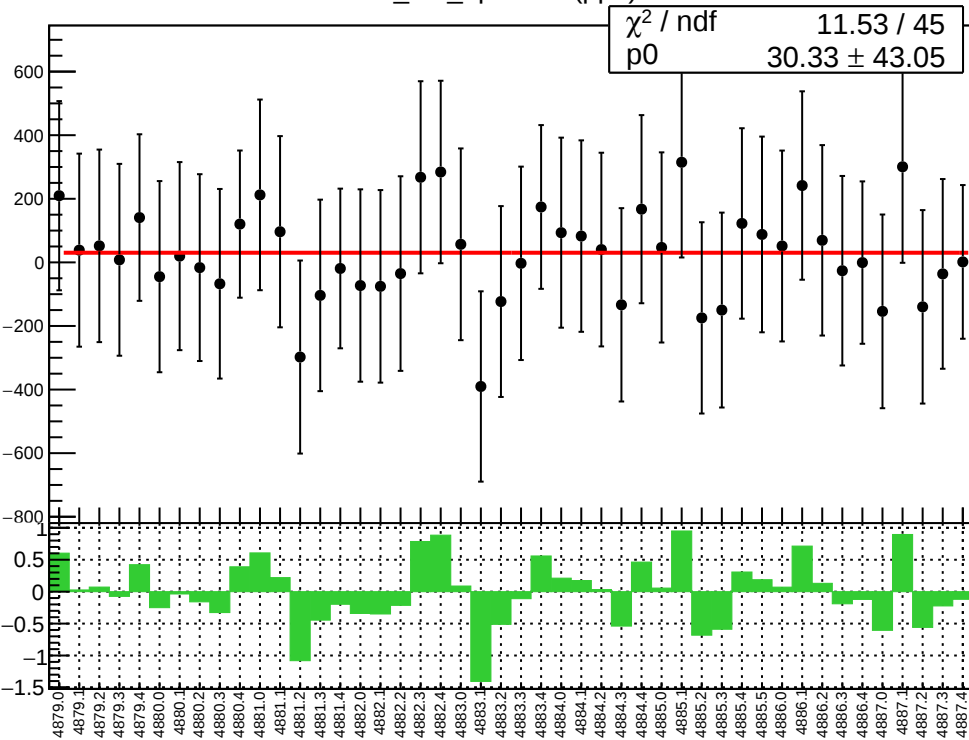
1D pull distribution



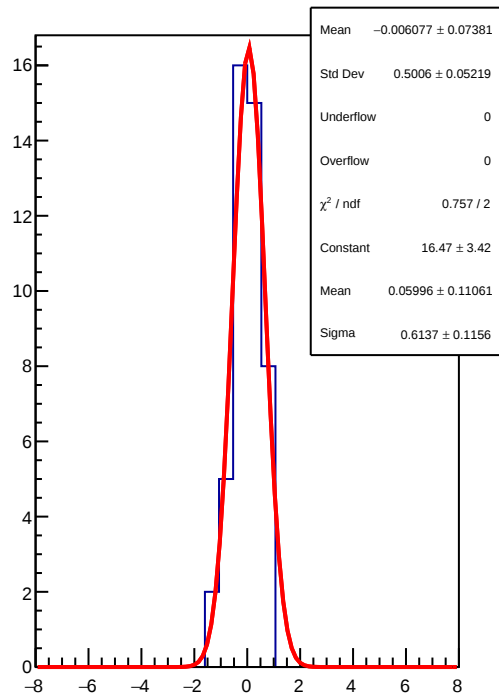
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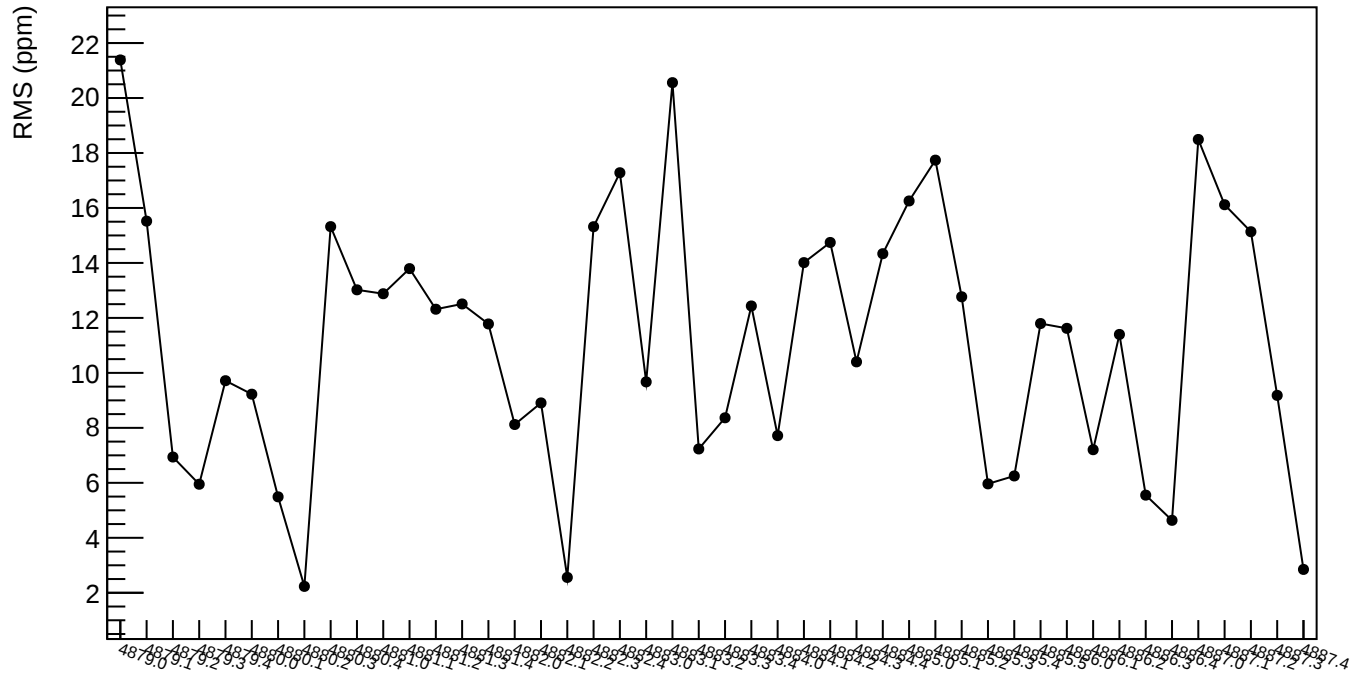
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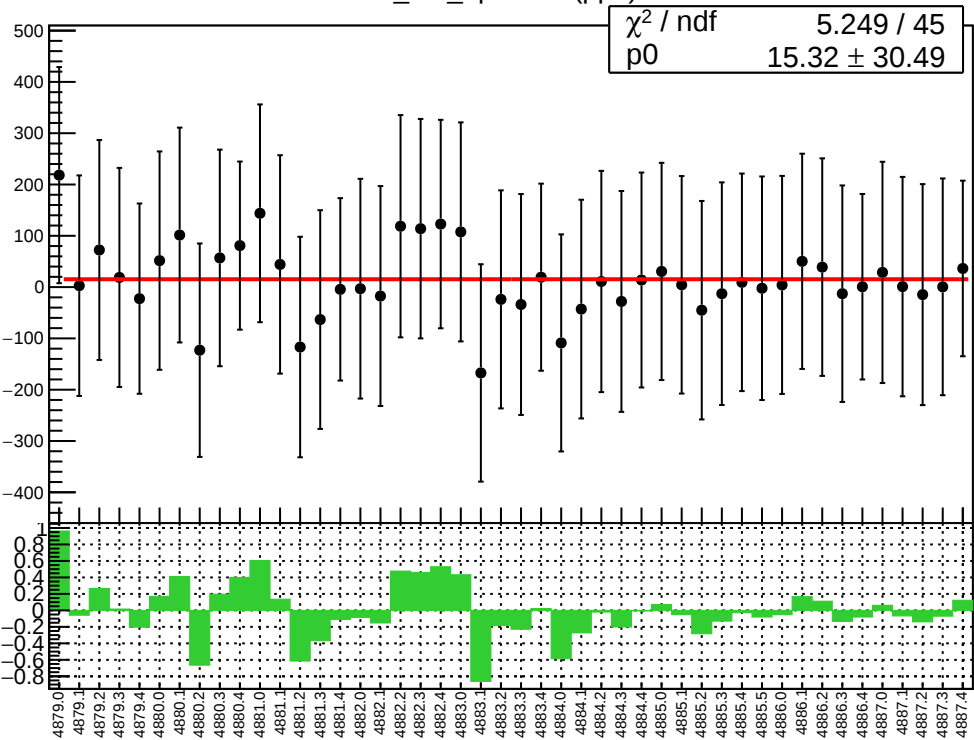
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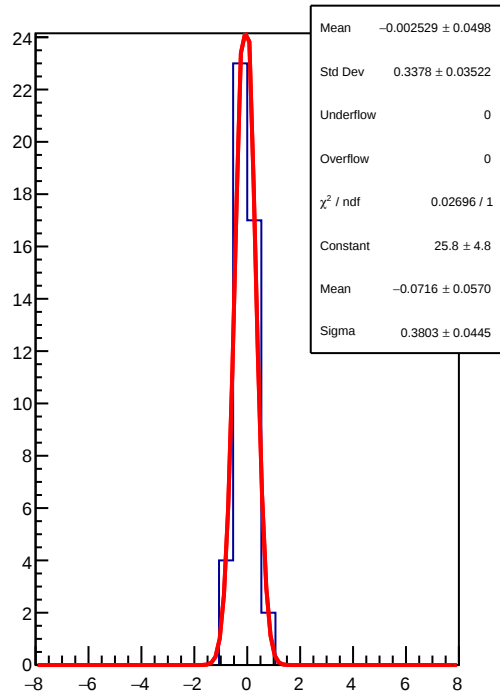
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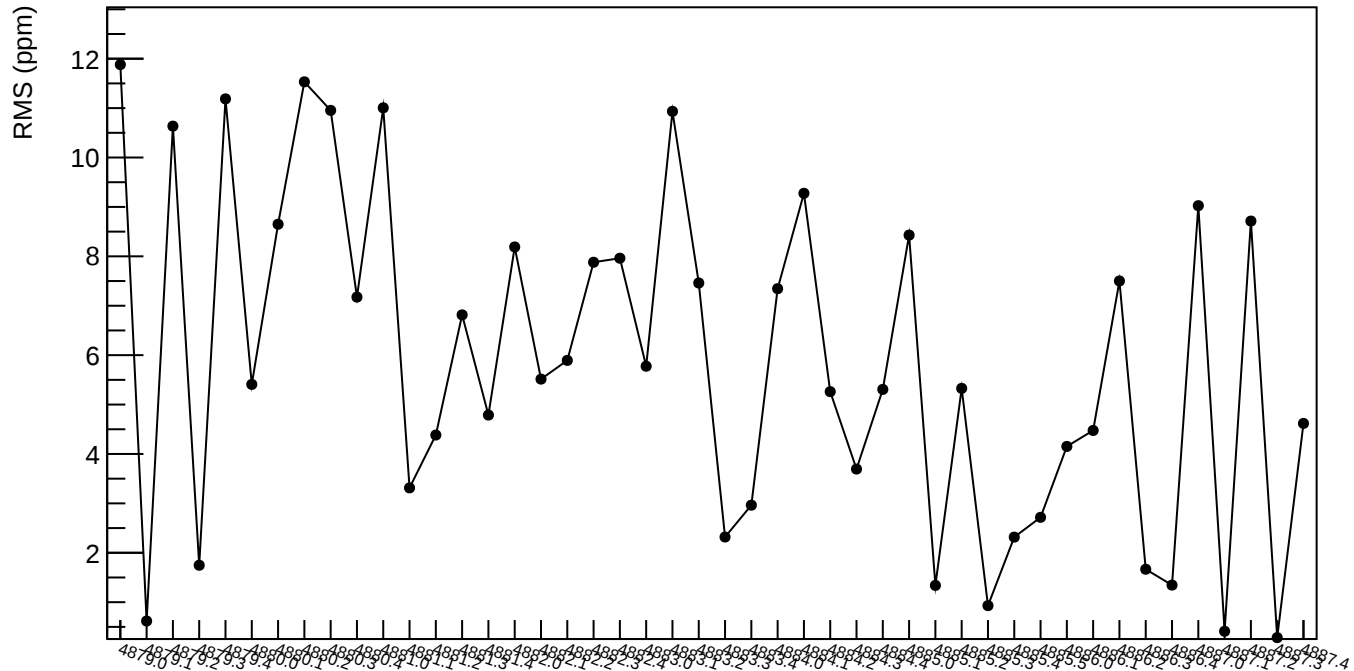
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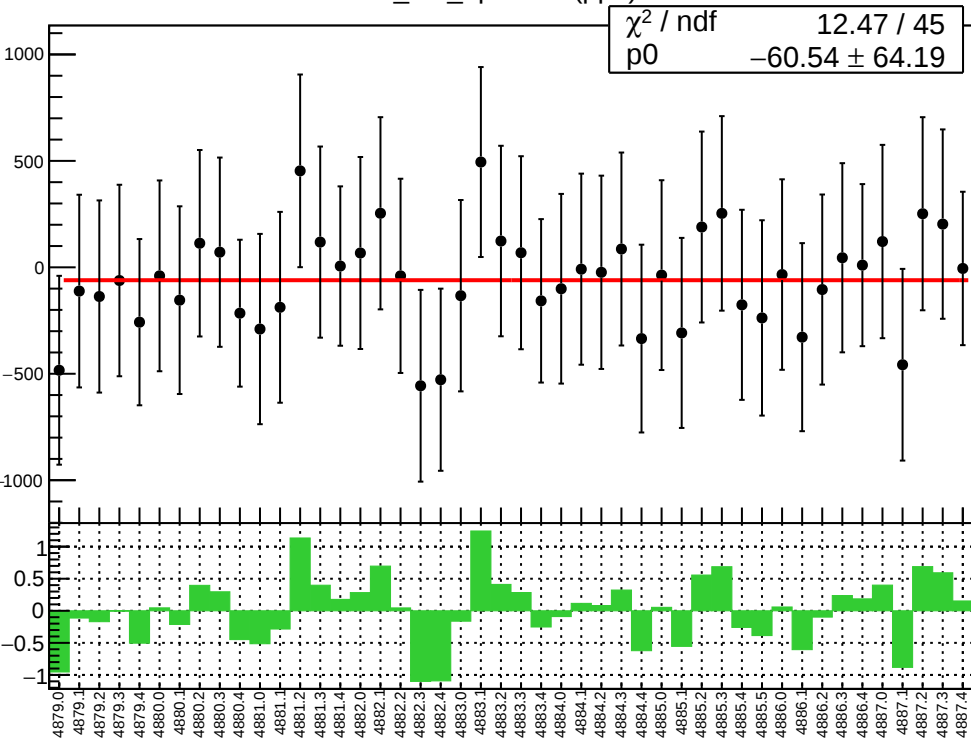
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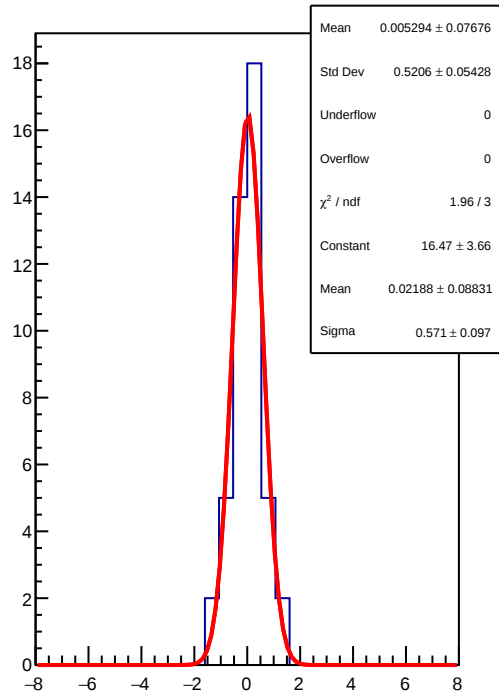
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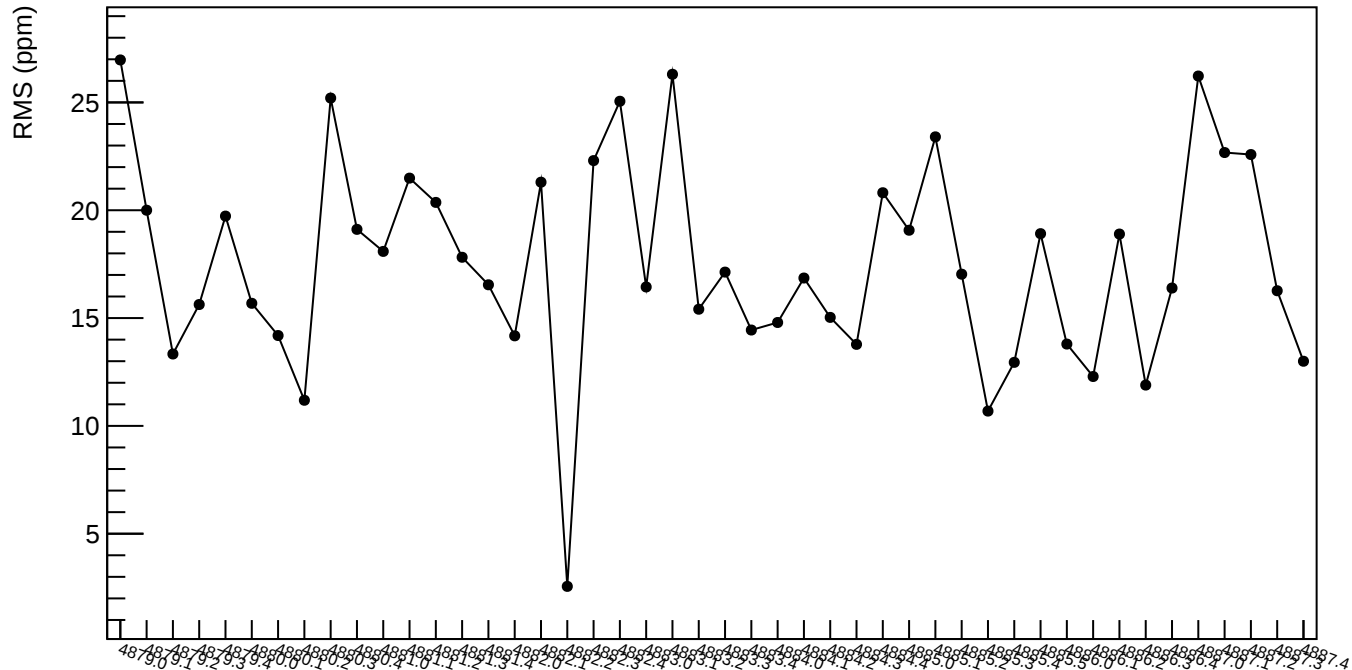
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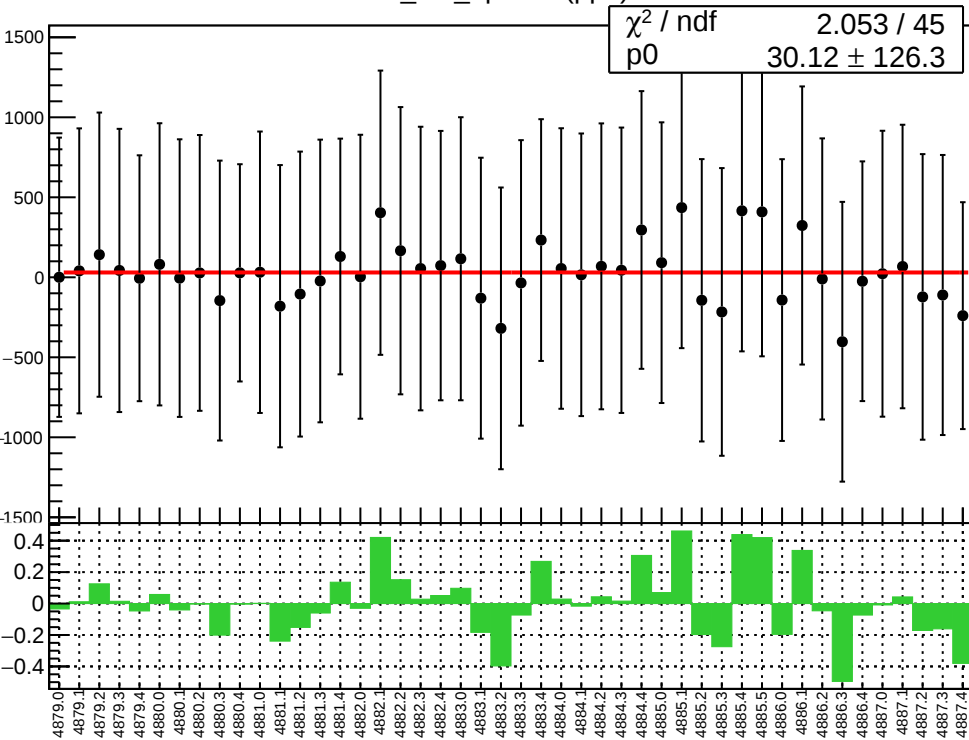
1D pull distribution



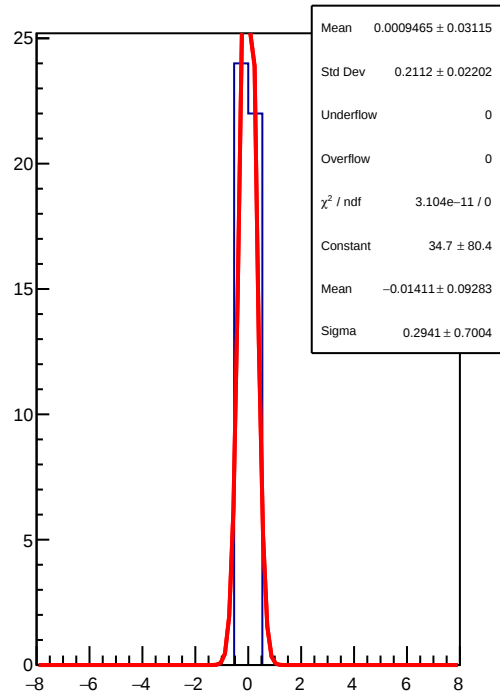
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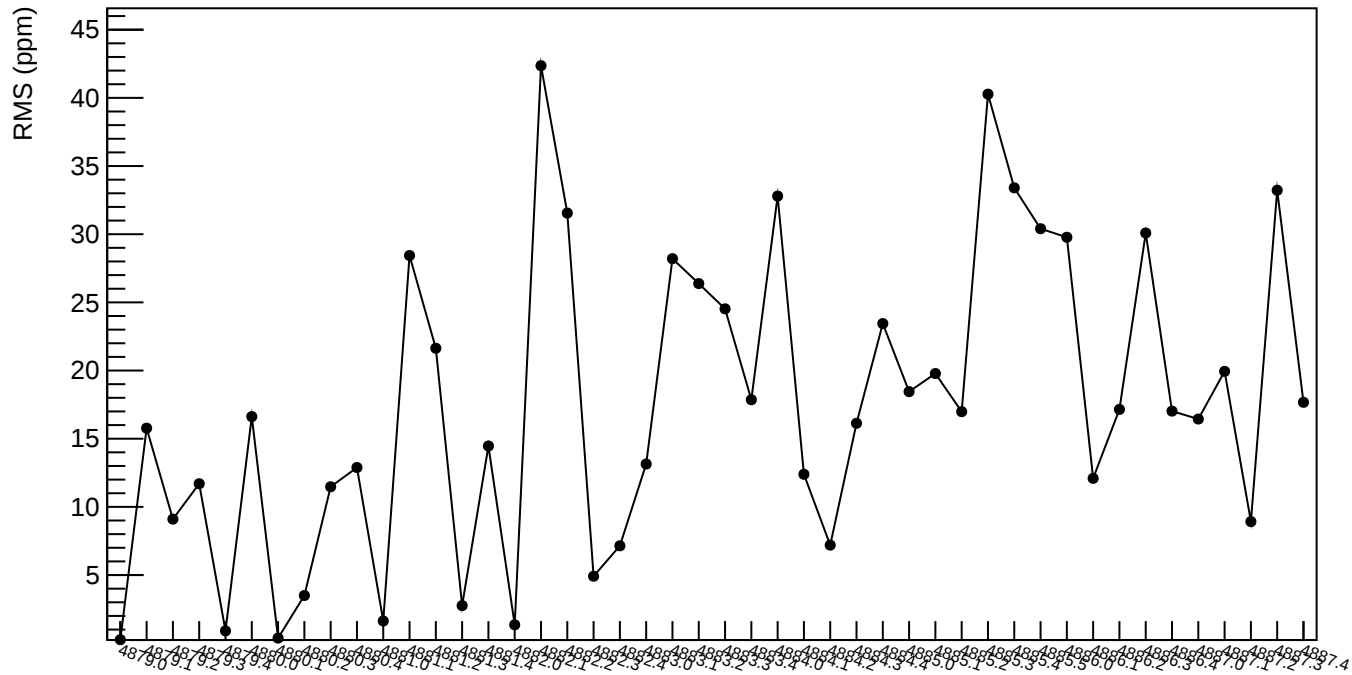
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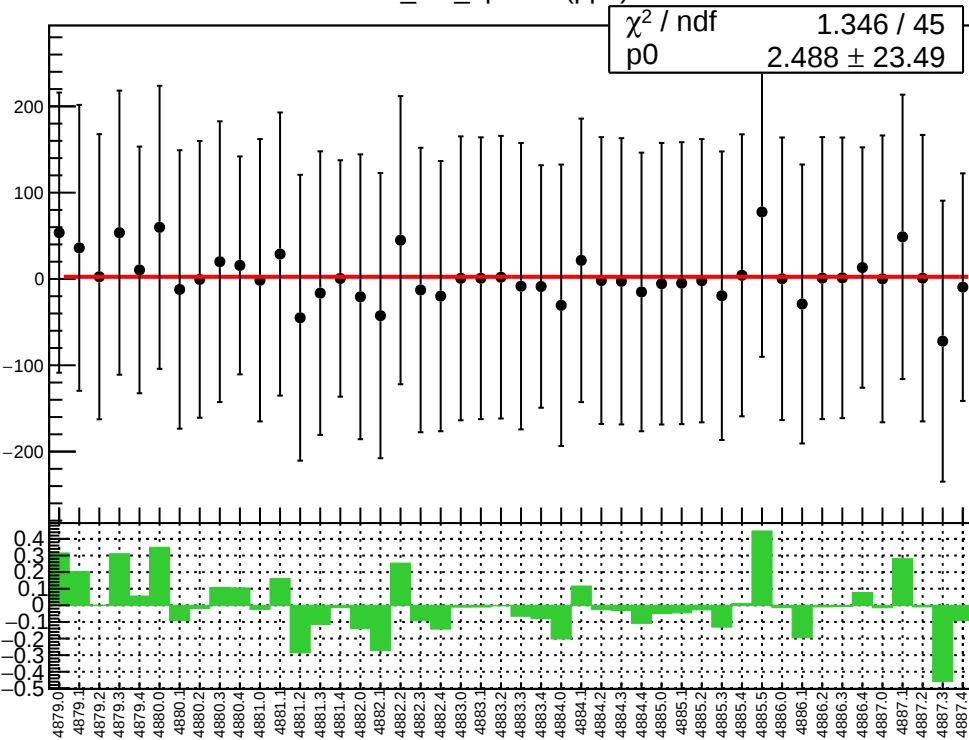
1D pull distribution



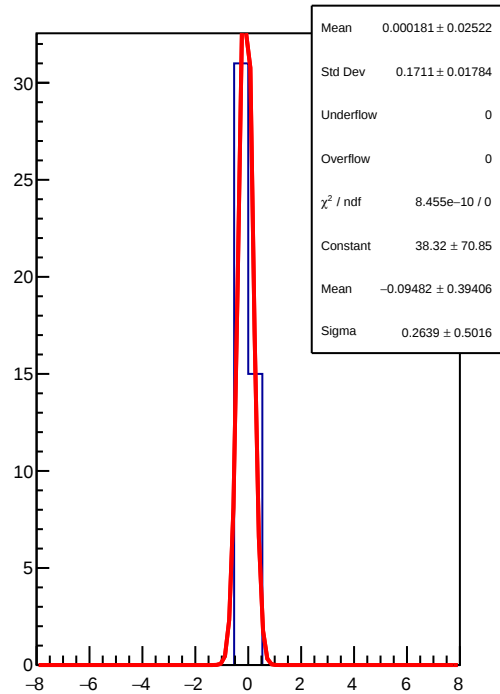
corr\_usr\_bpm1X RMS (ppm)



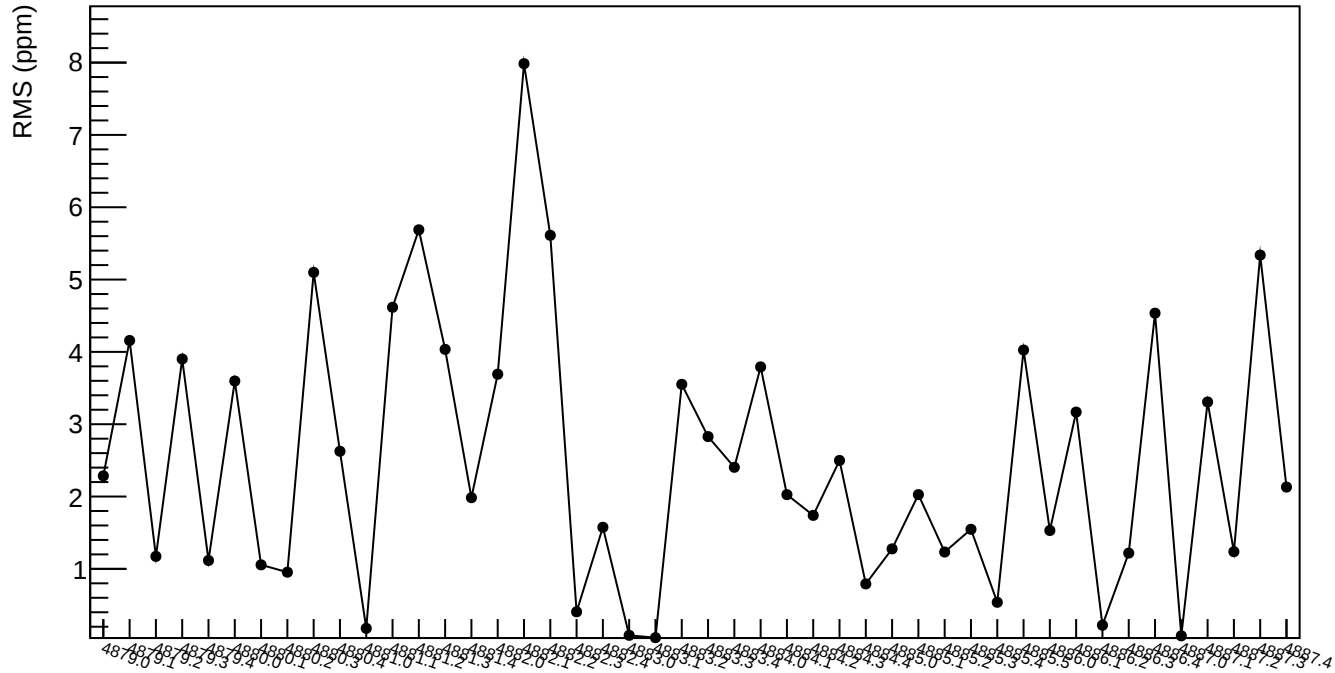
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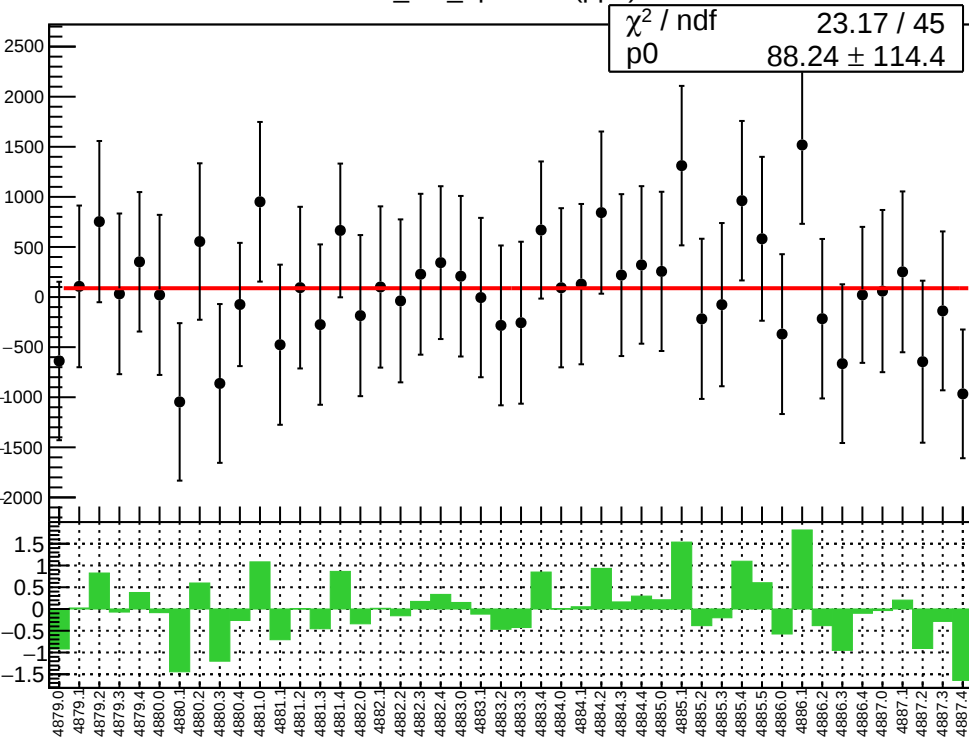
1D pull distribution



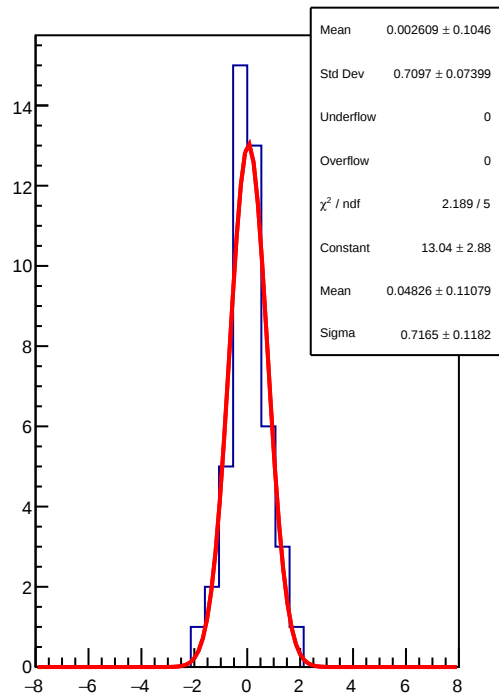
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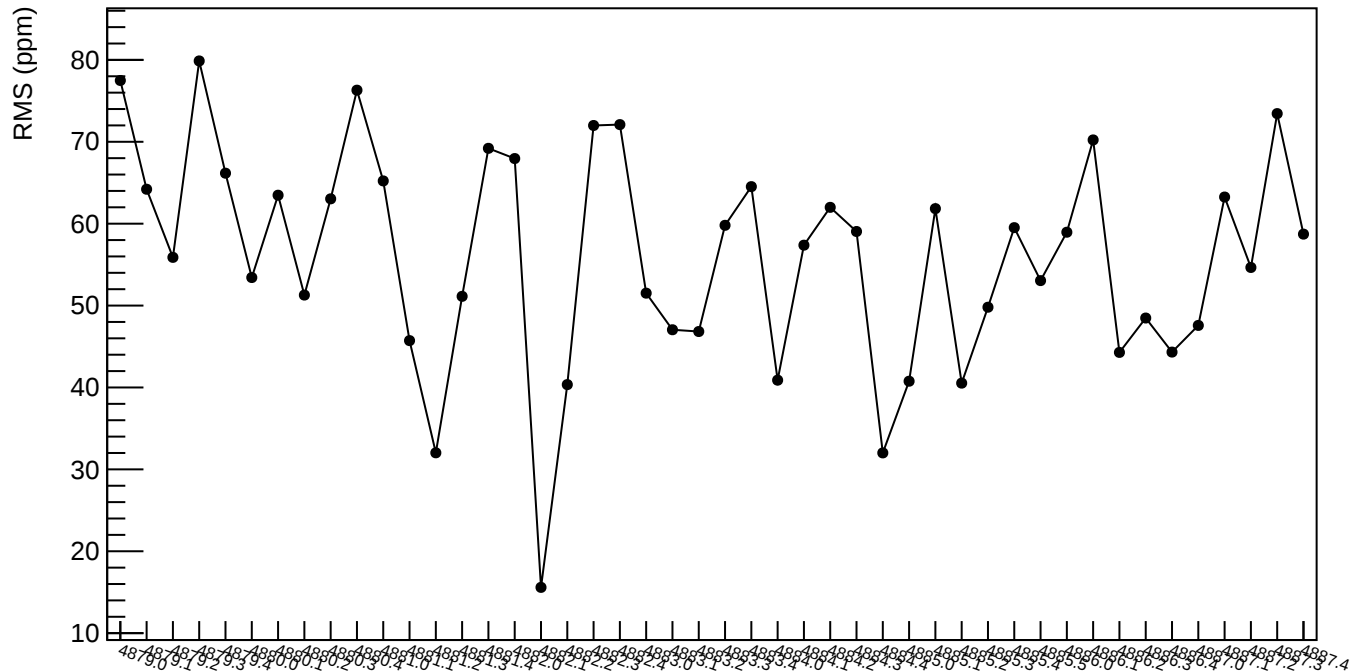
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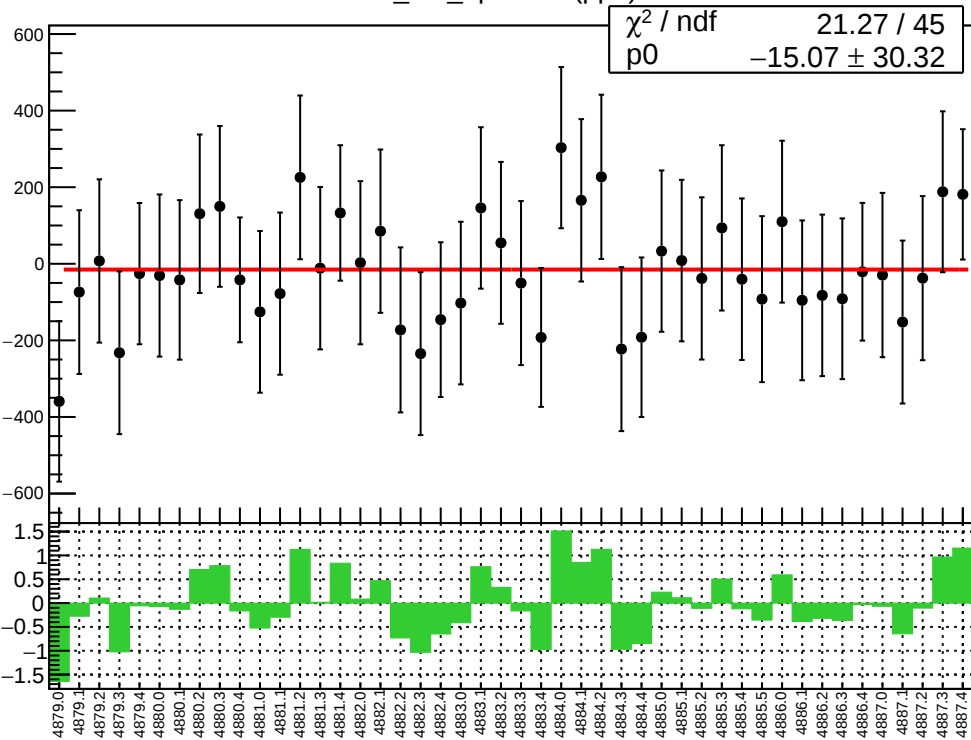
1D pull distribution



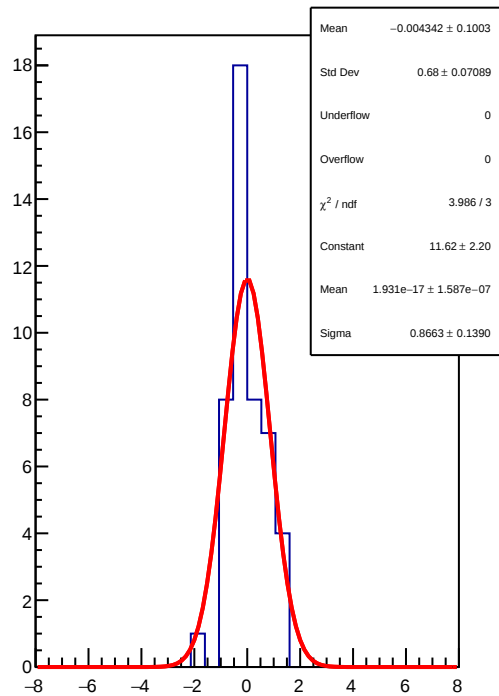
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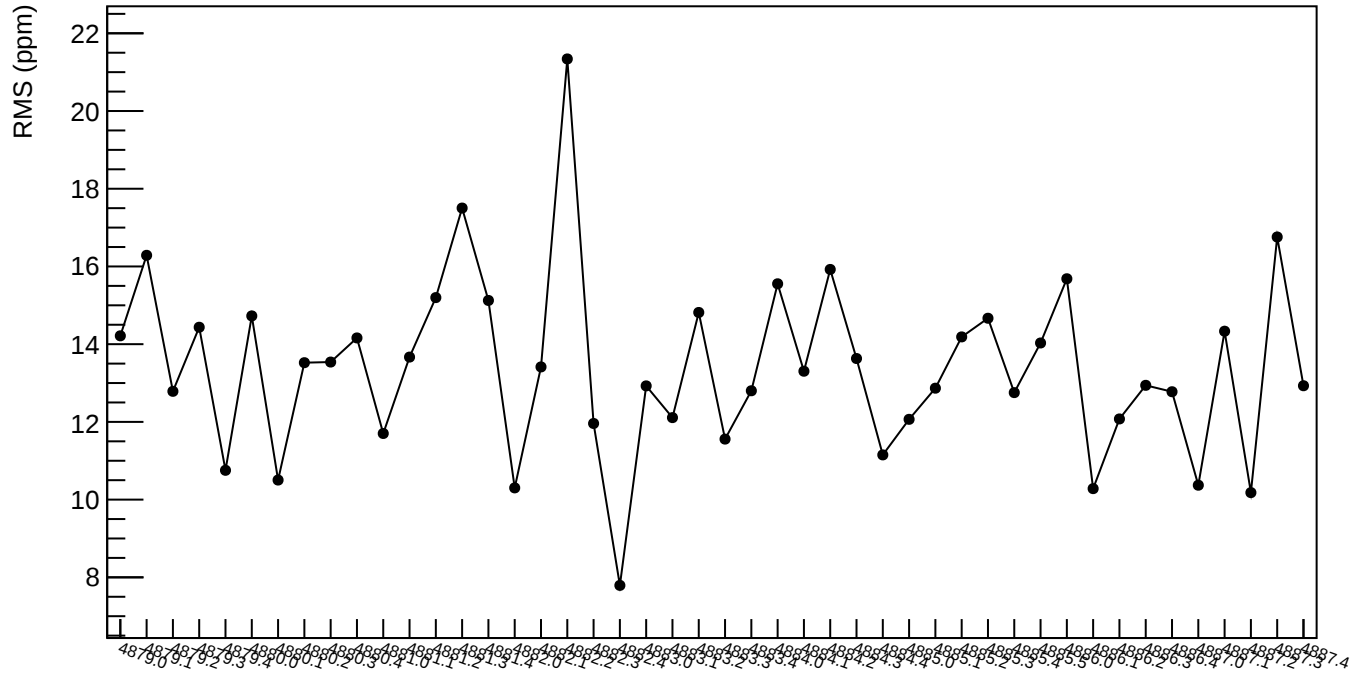
corr\_usr\_bpm16Y (ppb)



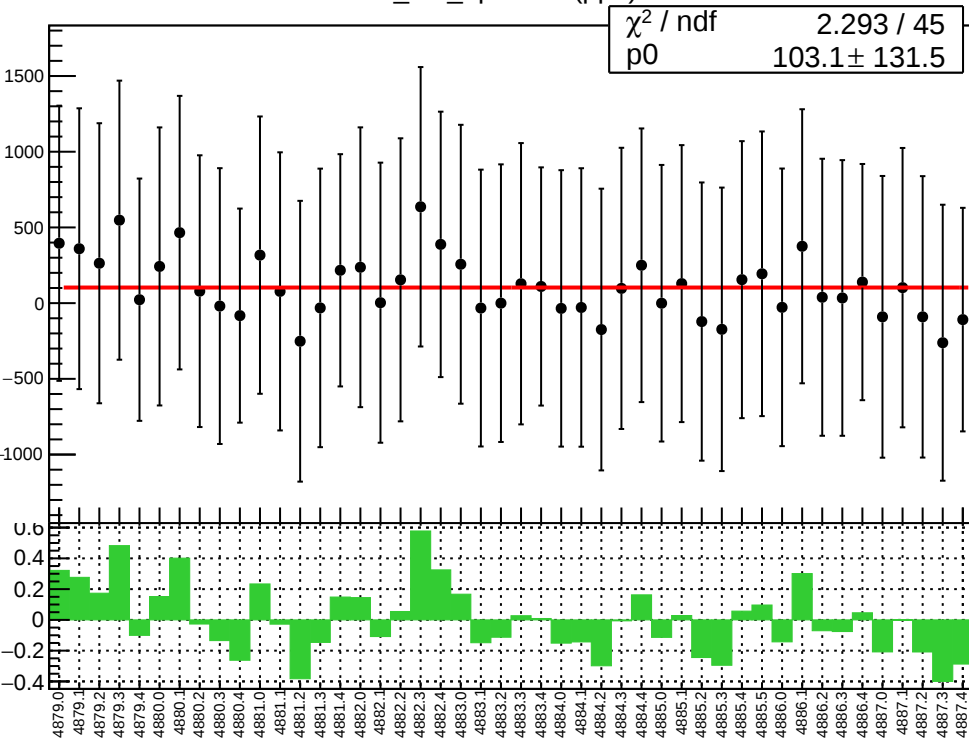
1D pull distribution



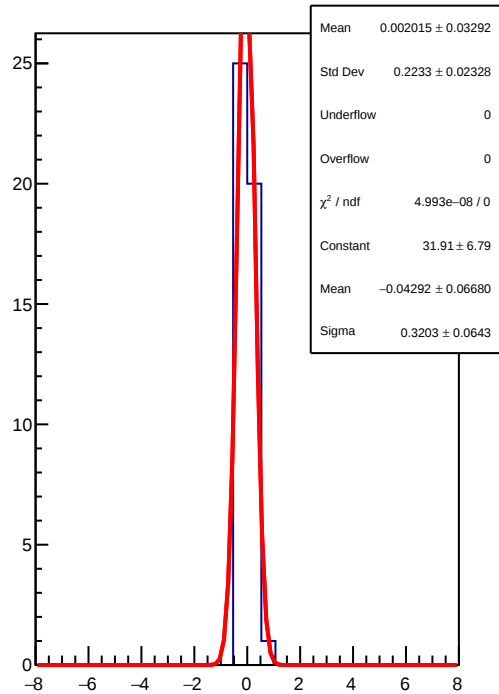
corr\_usr\_bpm16Y RMS (ppm)



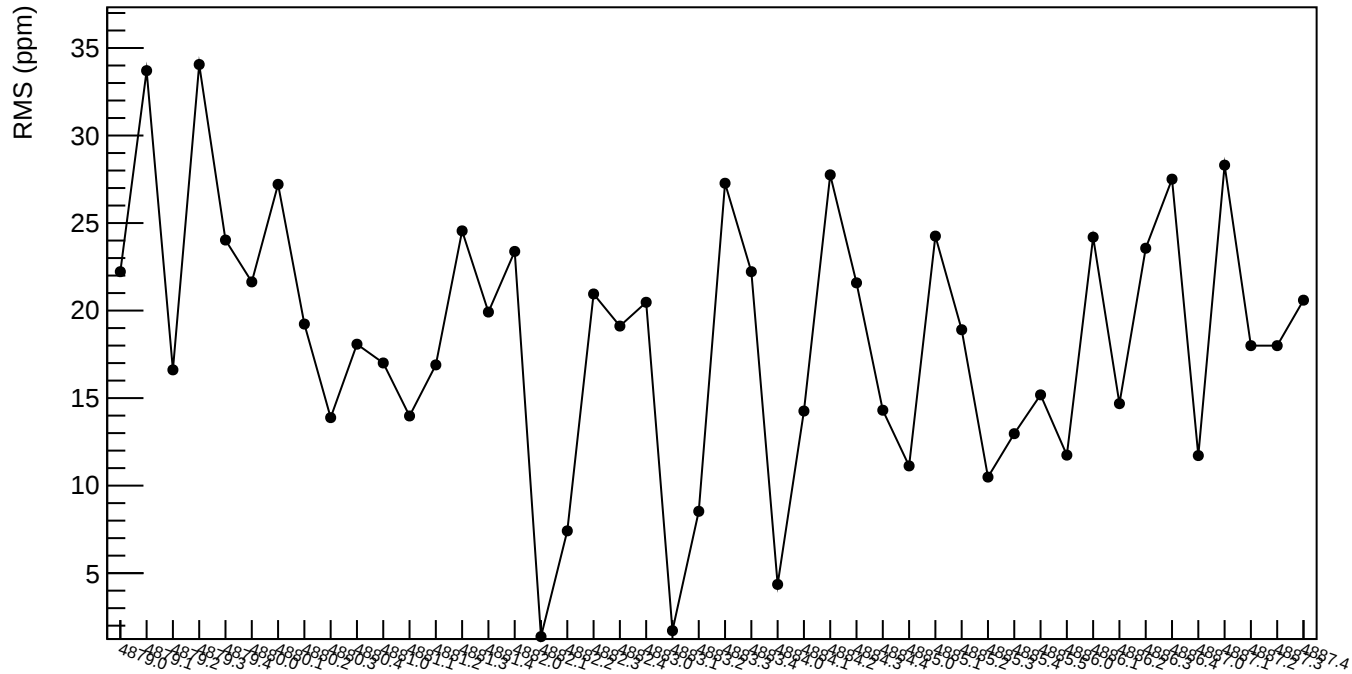
corr\_usr\_bpm12X (ppb)



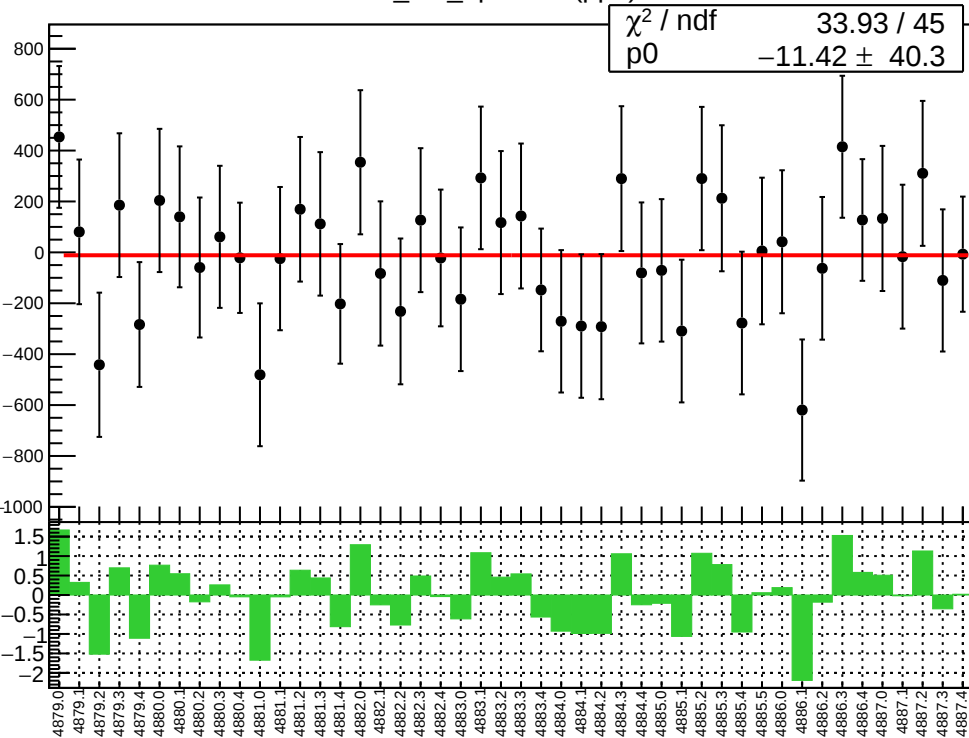
1D pull distribution



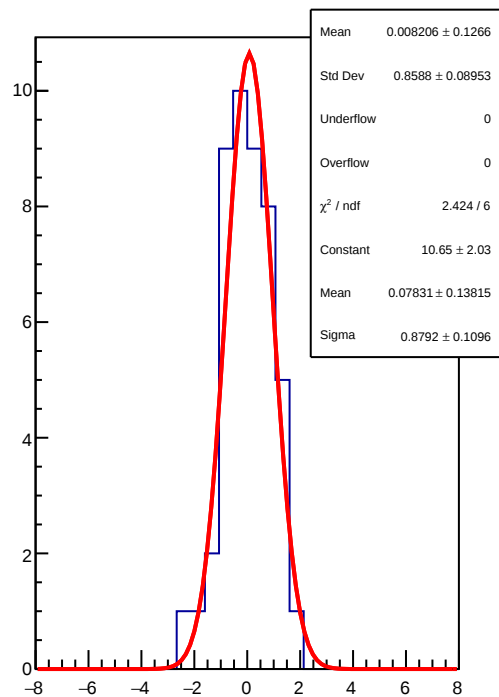
corr\_usr\_bpm12X RMS (ppm)



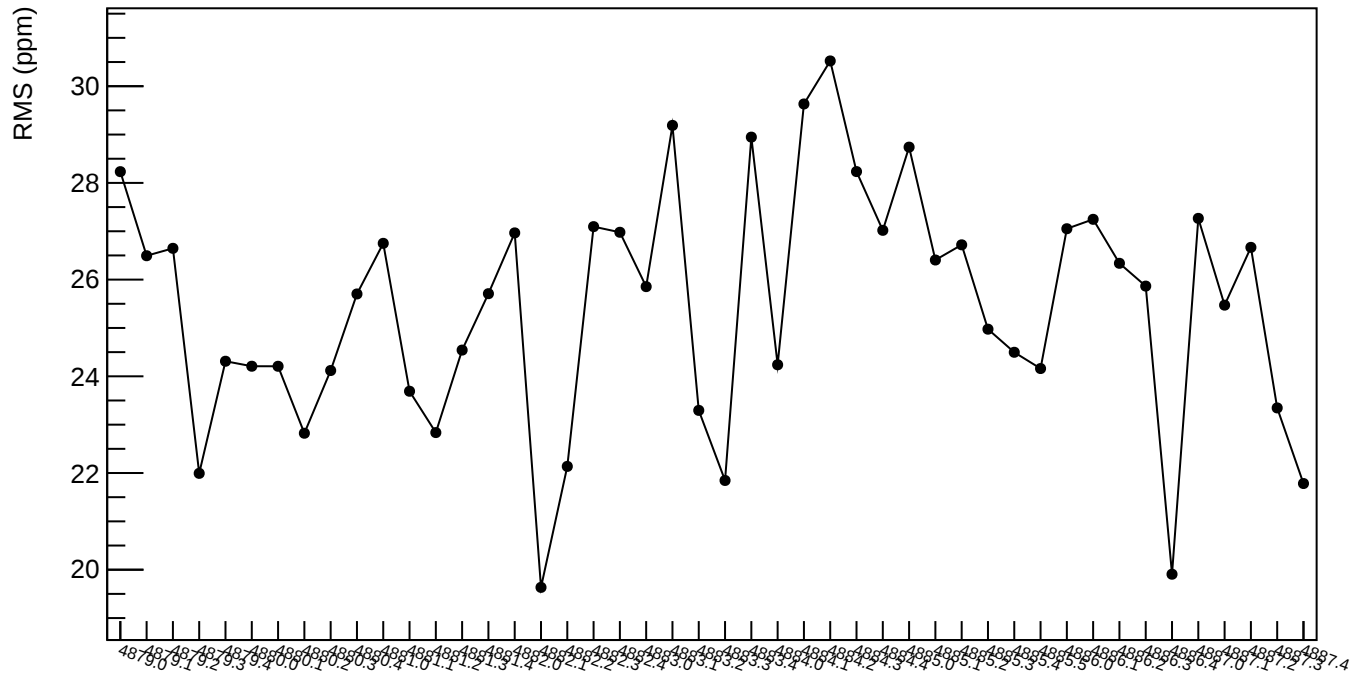
corr\_usr\_bpm12Y (ppb)



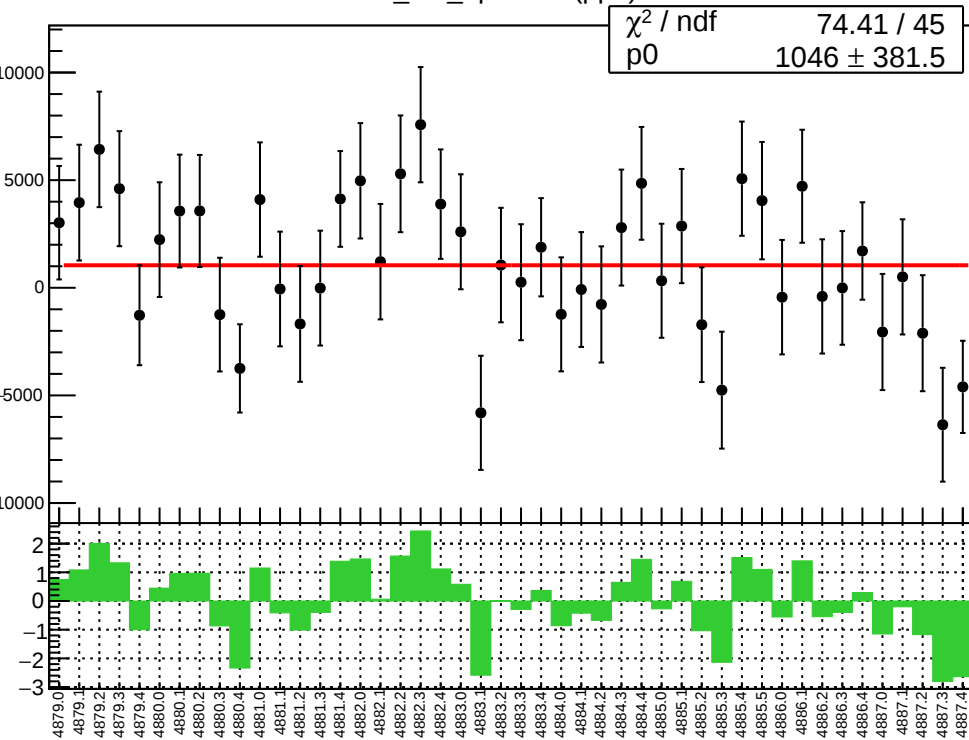
1D pull distribution



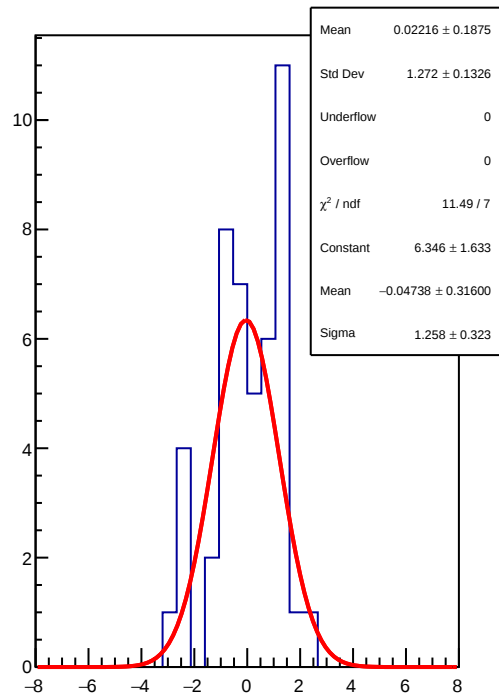
corr\_usr\_bpm12Y RMS (ppm)



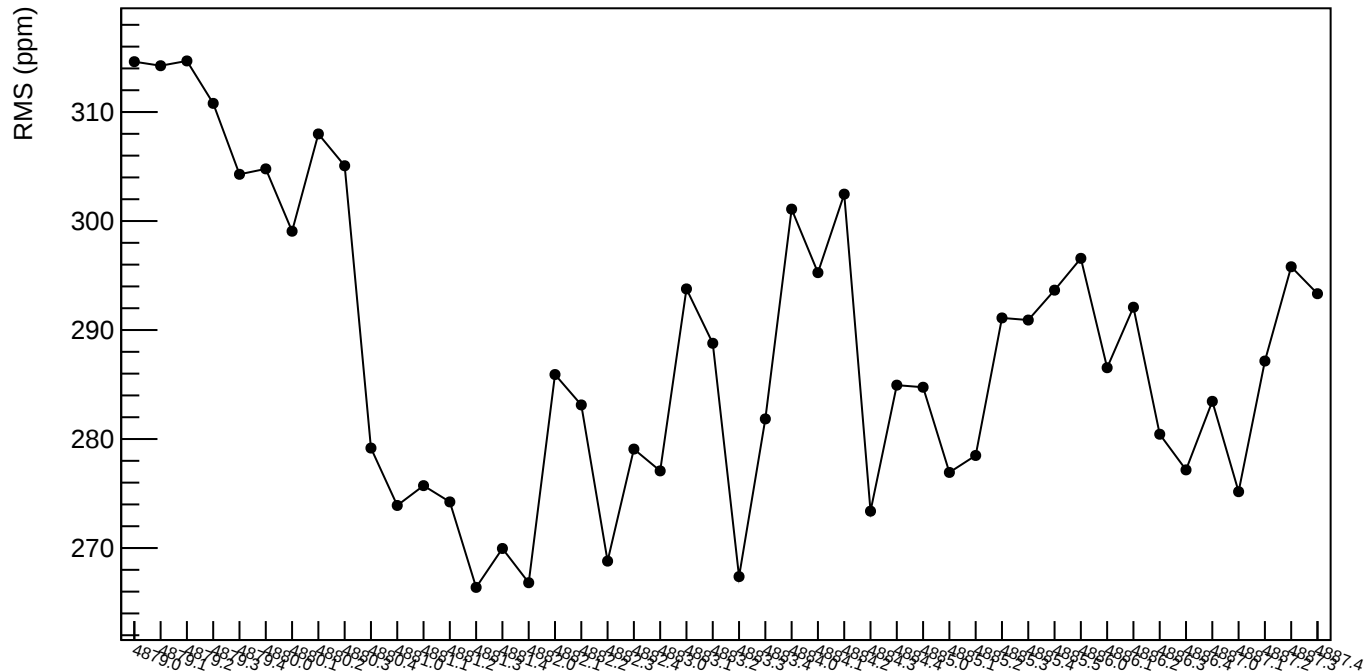
corr\_usr\_bpm11X (ppb)



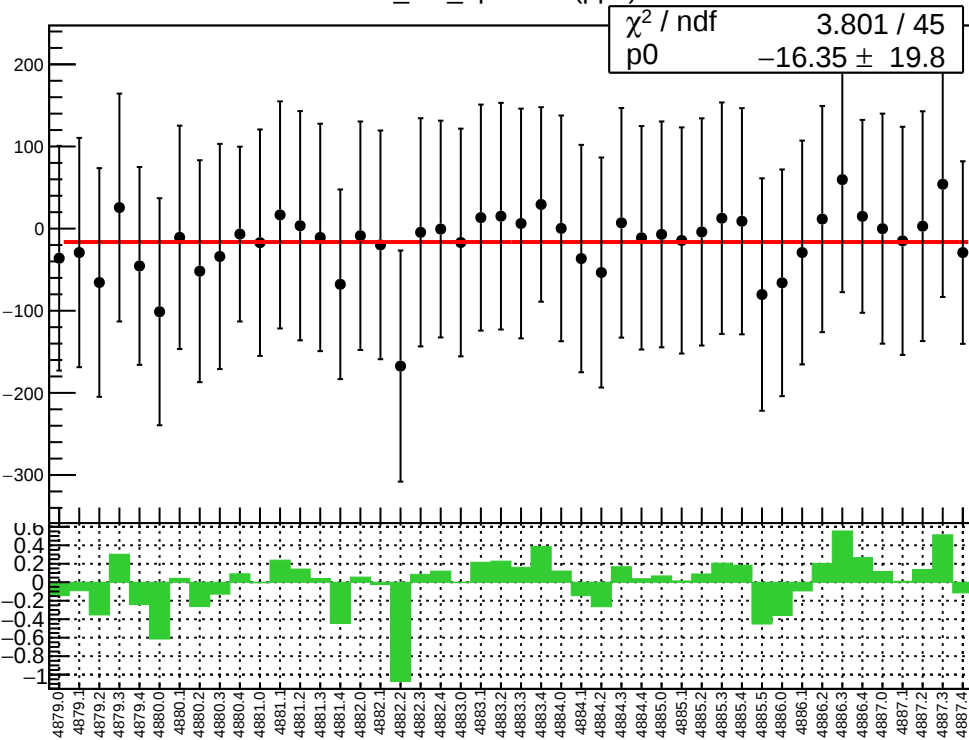
1D pull distribution



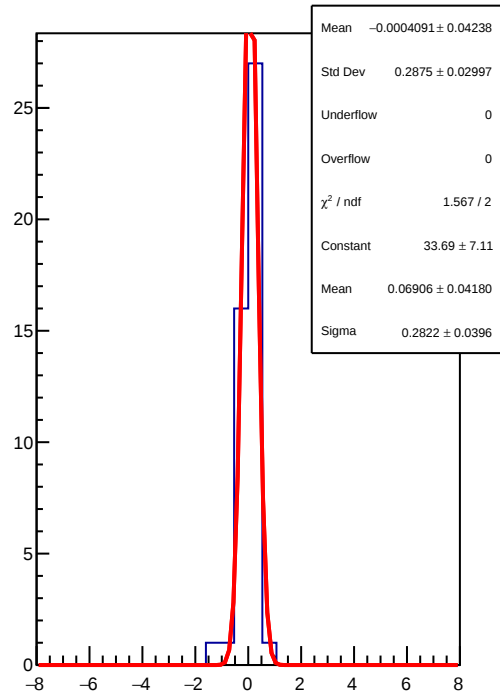
corr\_usr\_bpm11X RMS (ppm)



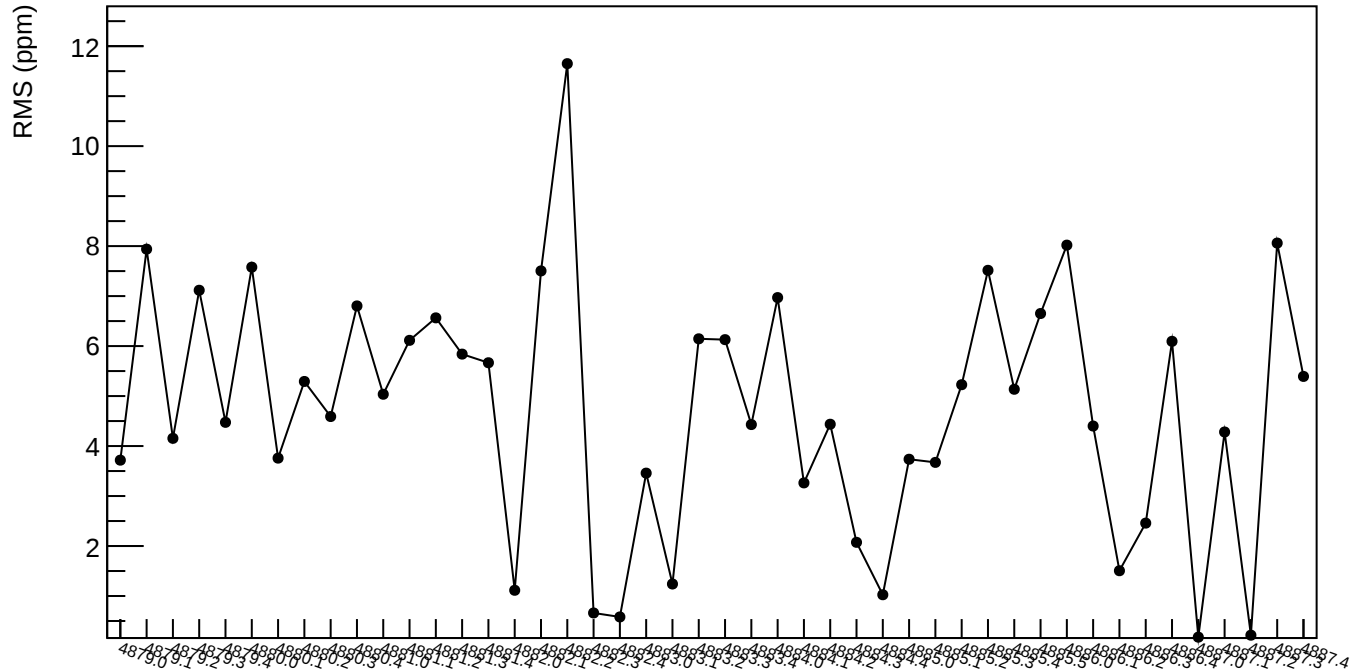
corr\_usr\_bpm11Y (ppb)



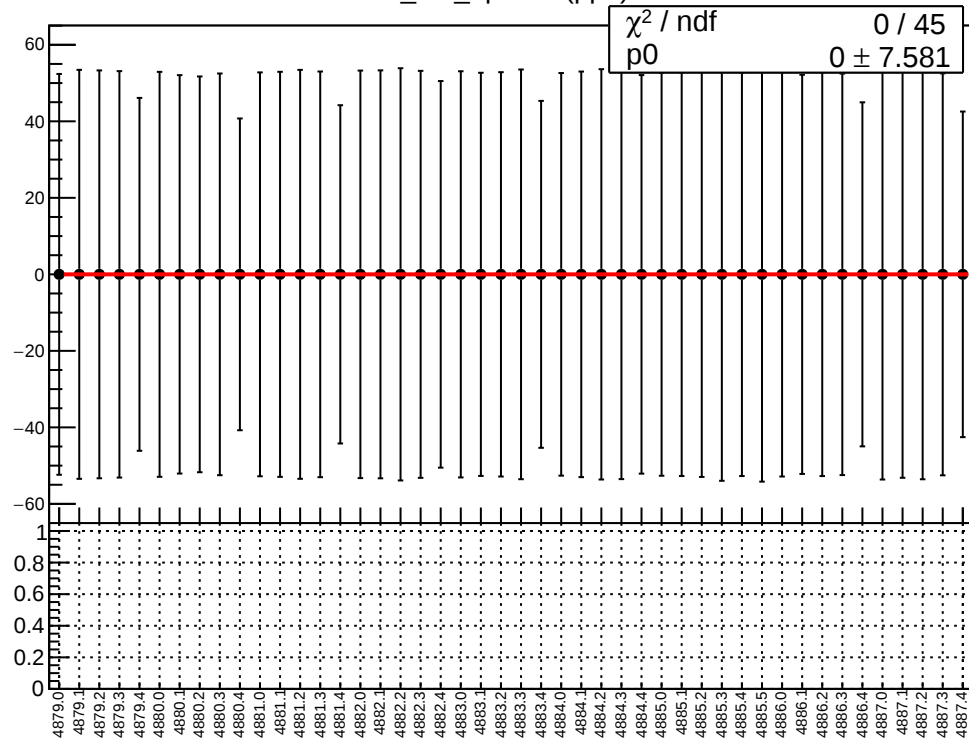
1D pull distribution



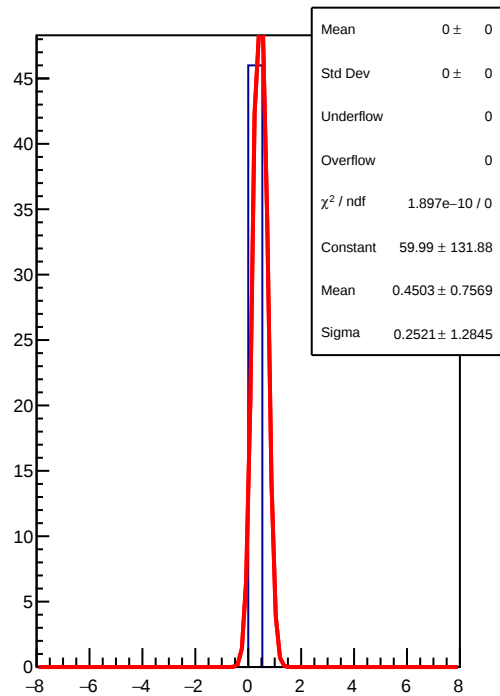
corr\_usr\_bpm11Y RMS (ppm)



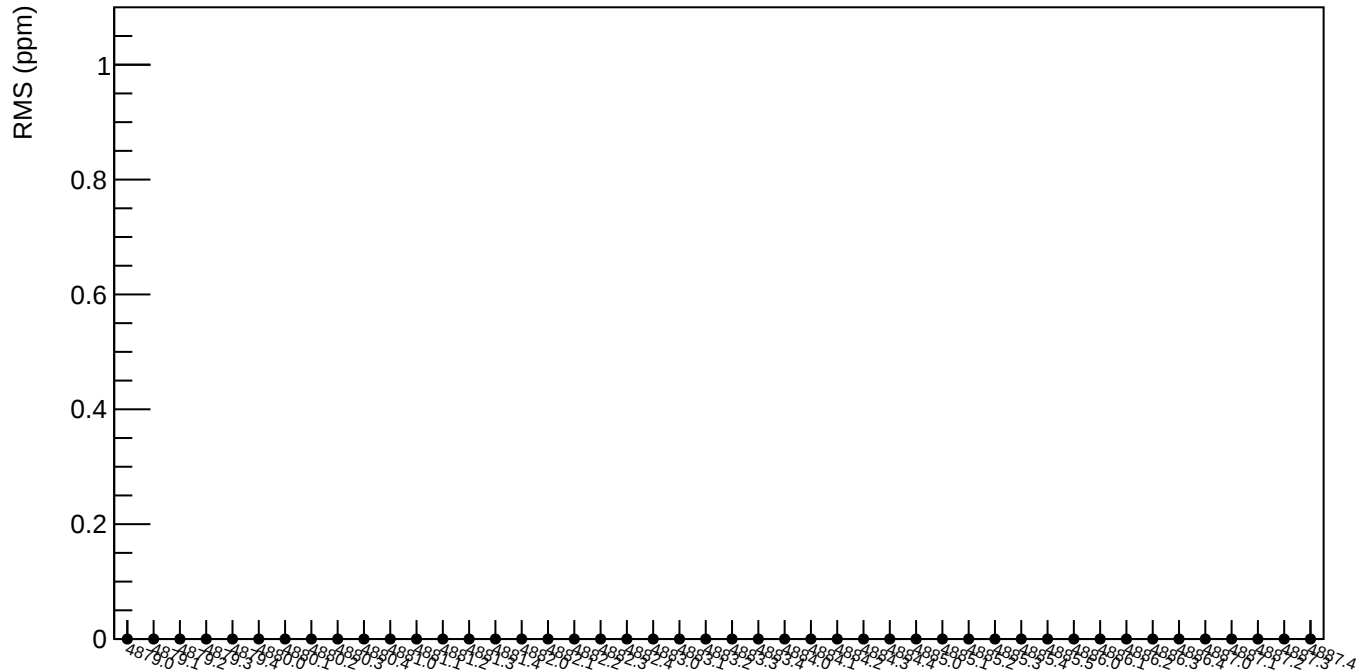
corr\_usr\_bpm8X (ppb)



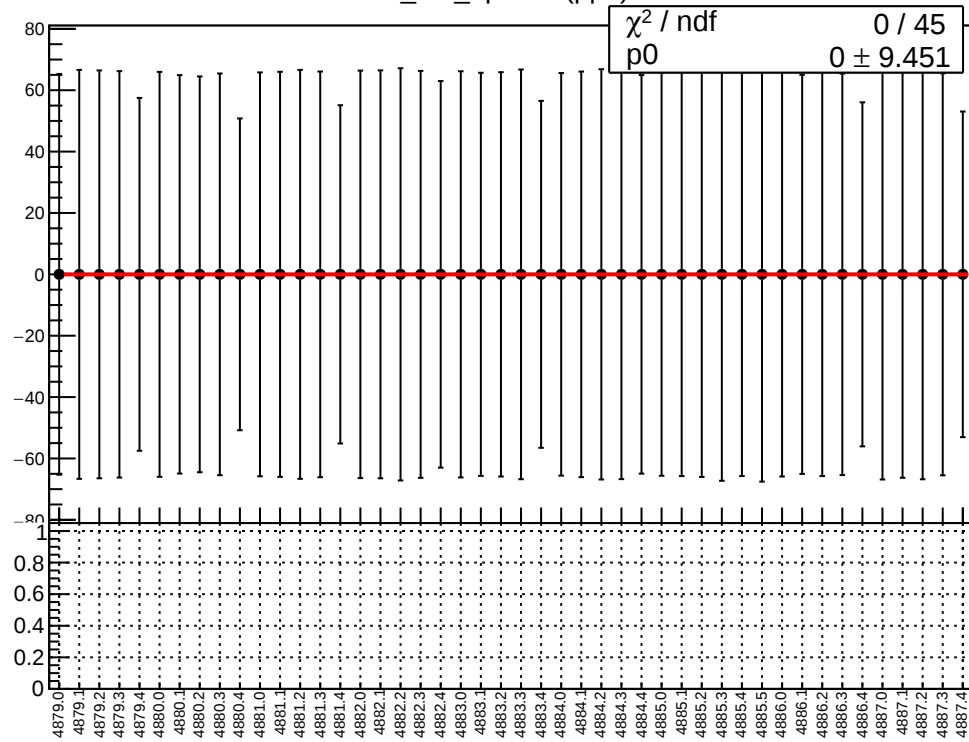
1D pull distribution



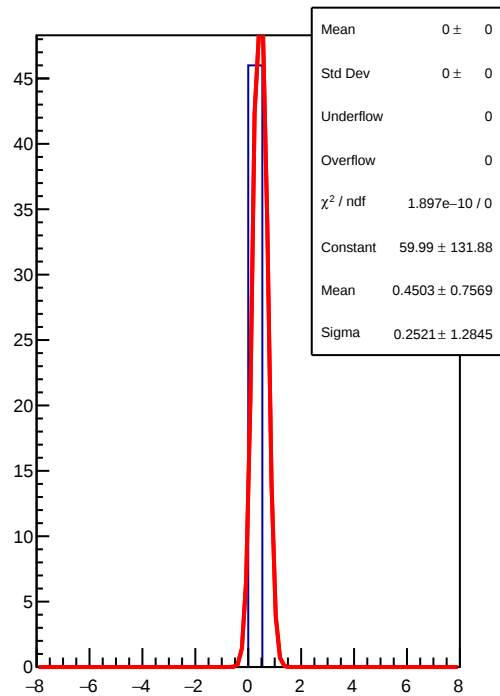
corr\_usr\_bpm8X RMS (ppm)



corr\_usr\_bpm8Y (ppb)



1D pull distribution



corr\_usr\_bpm8Y RMS (ppm)

