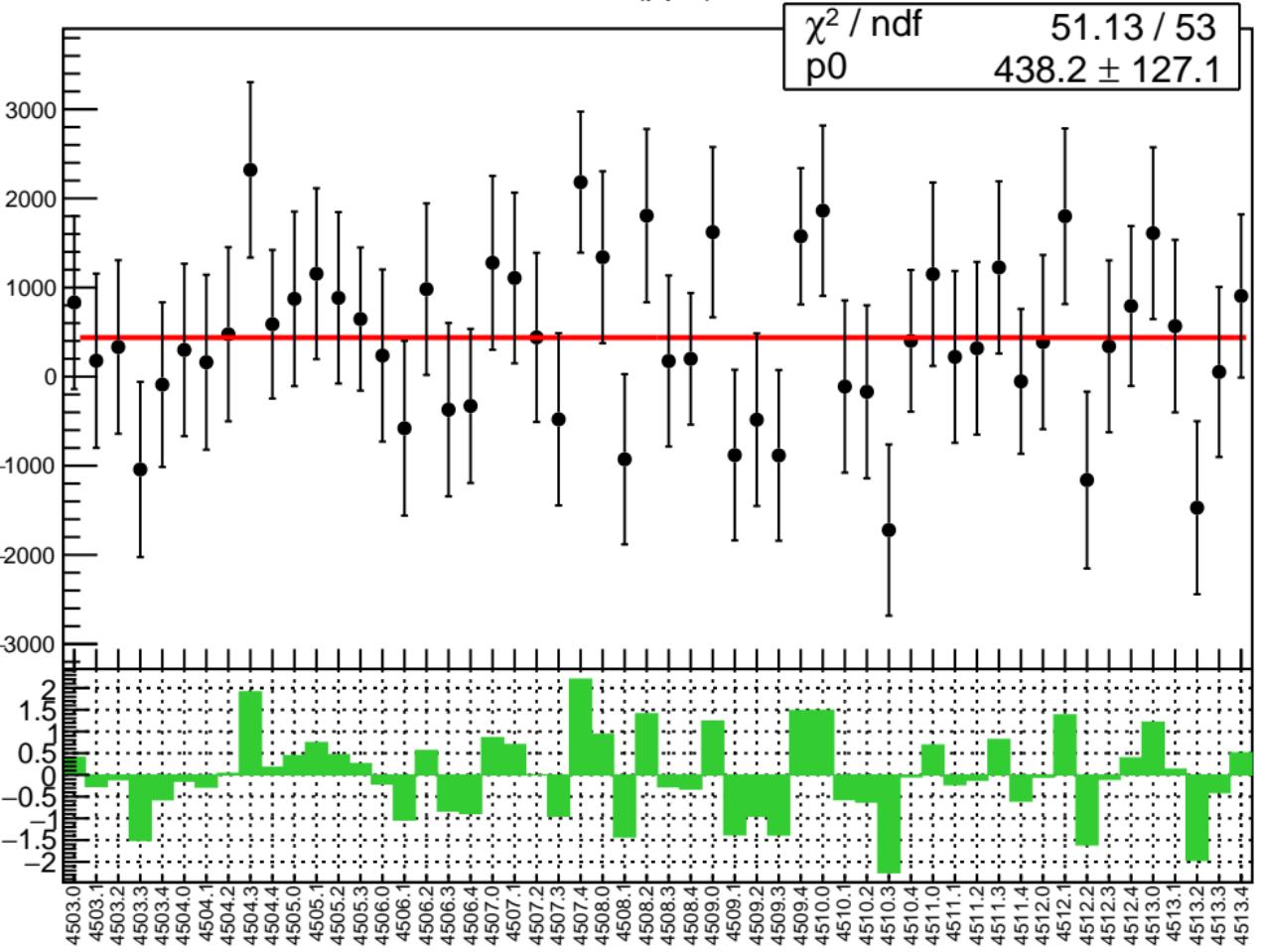
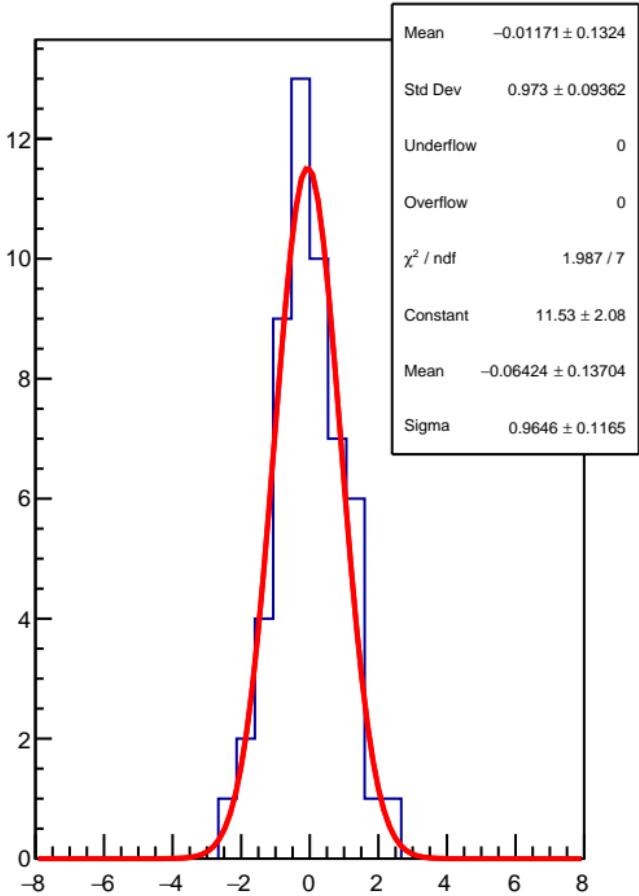


Adet (ppb)

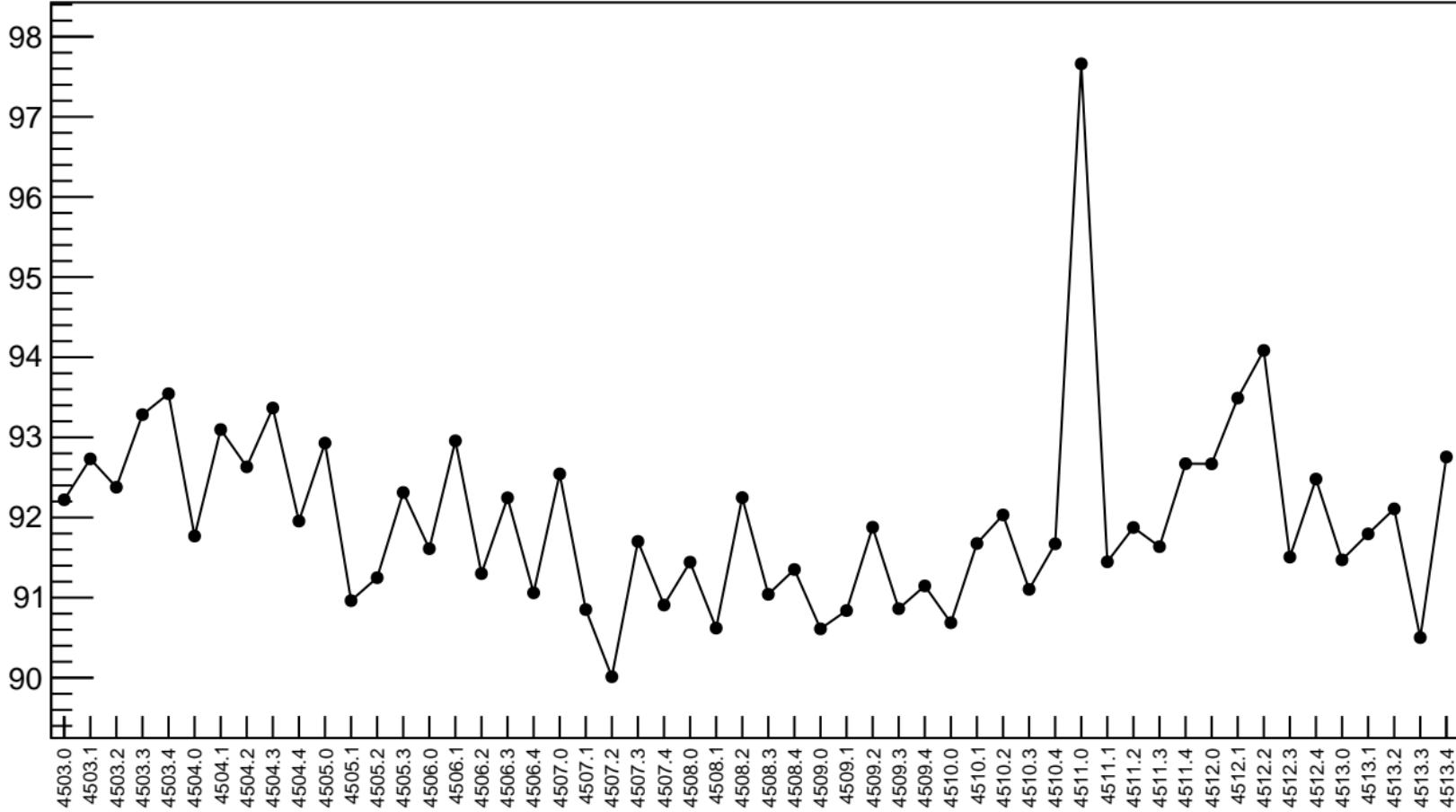


1D pull distribution

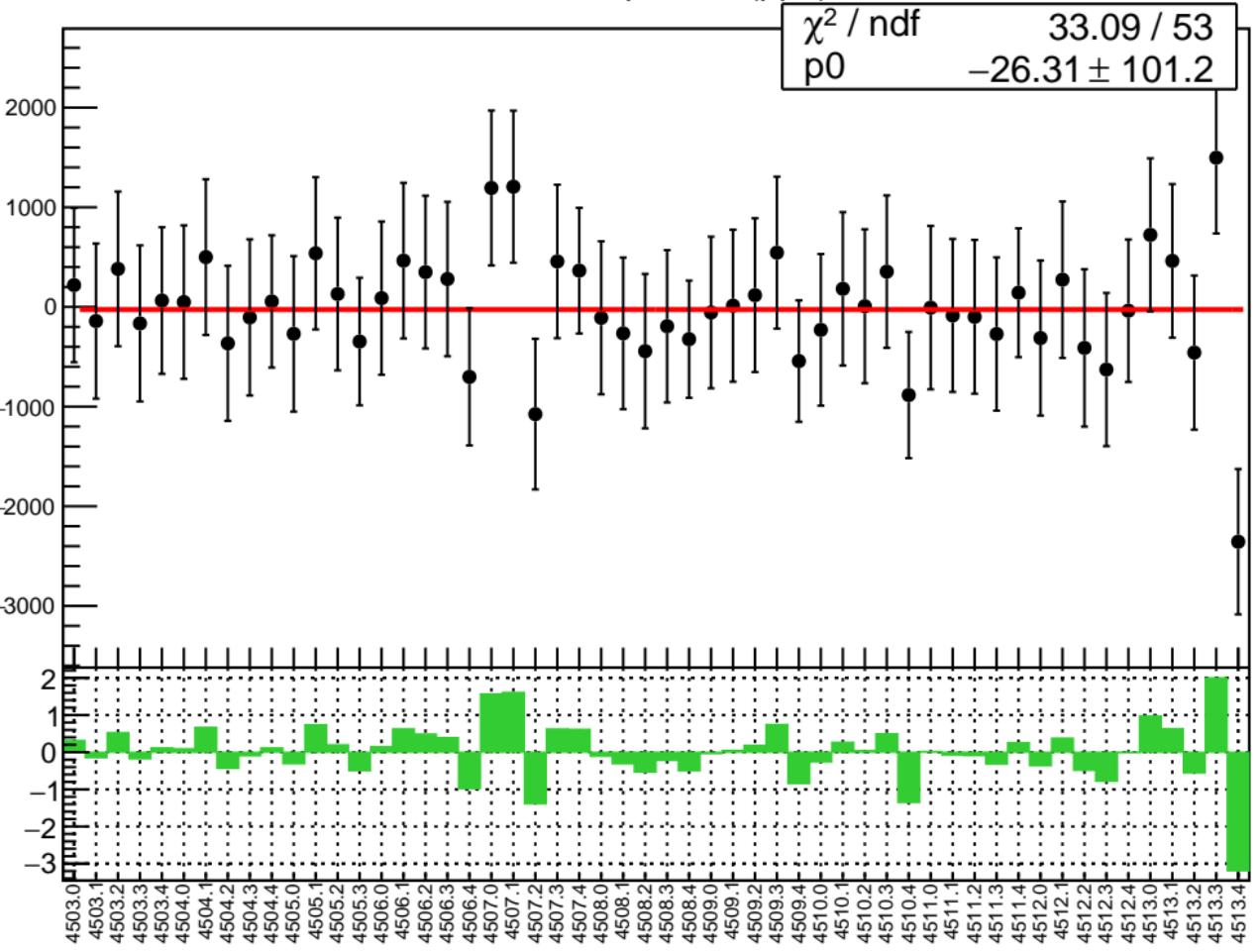


# Adet RMS (ppm)

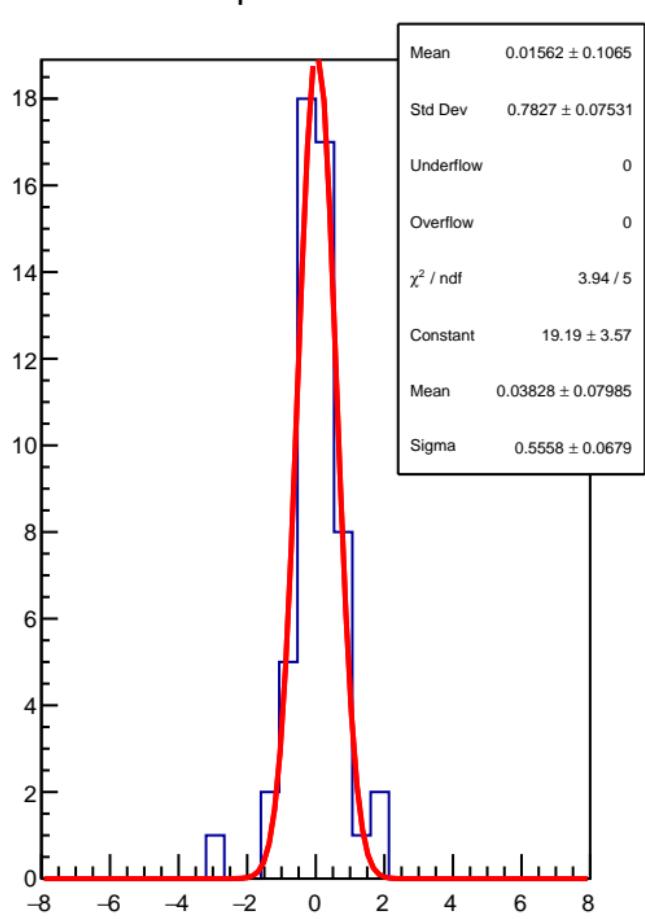
RMS (ppm)



# corr\_Adet\_bpm4eX (ppb)

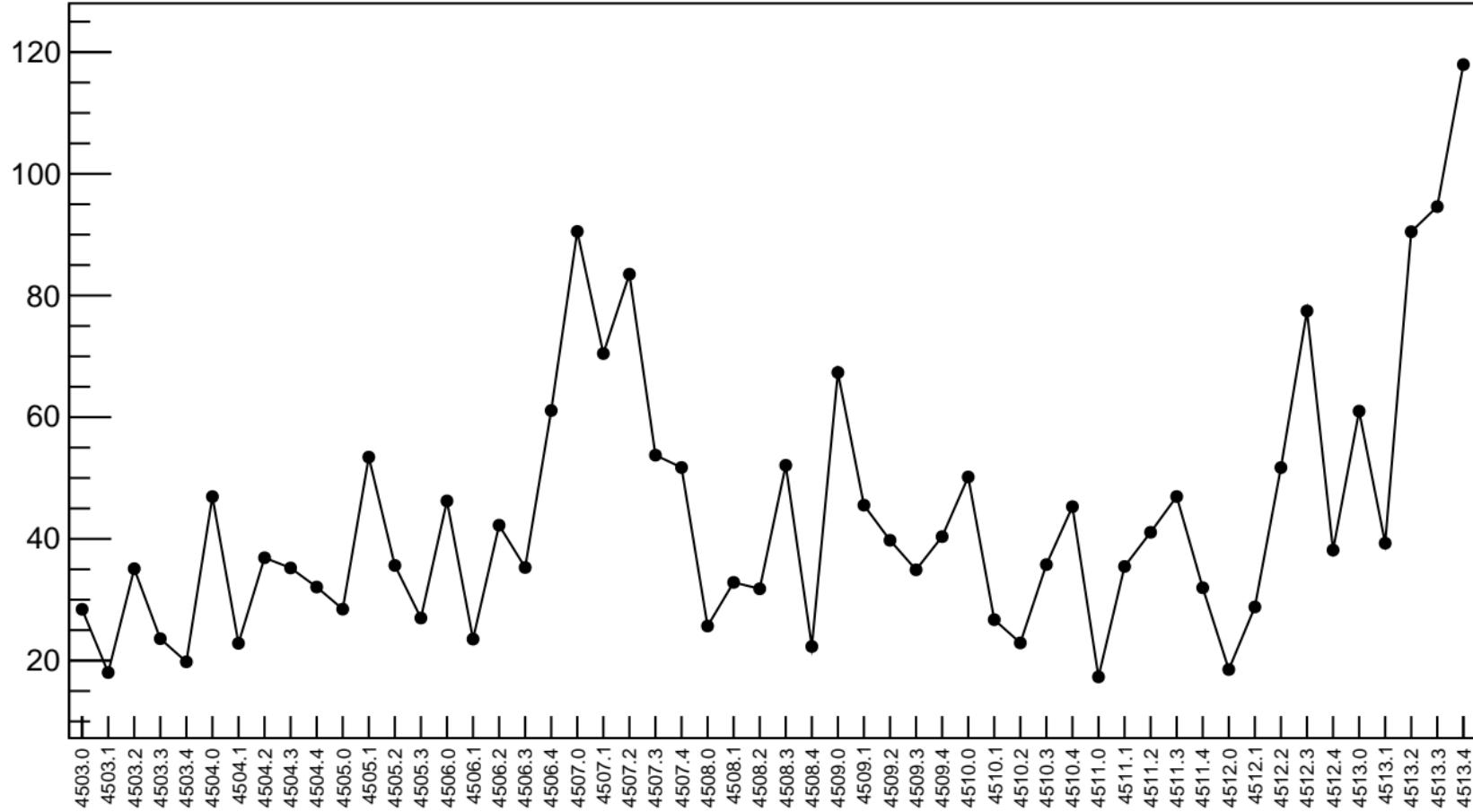


# 1D pull distribution

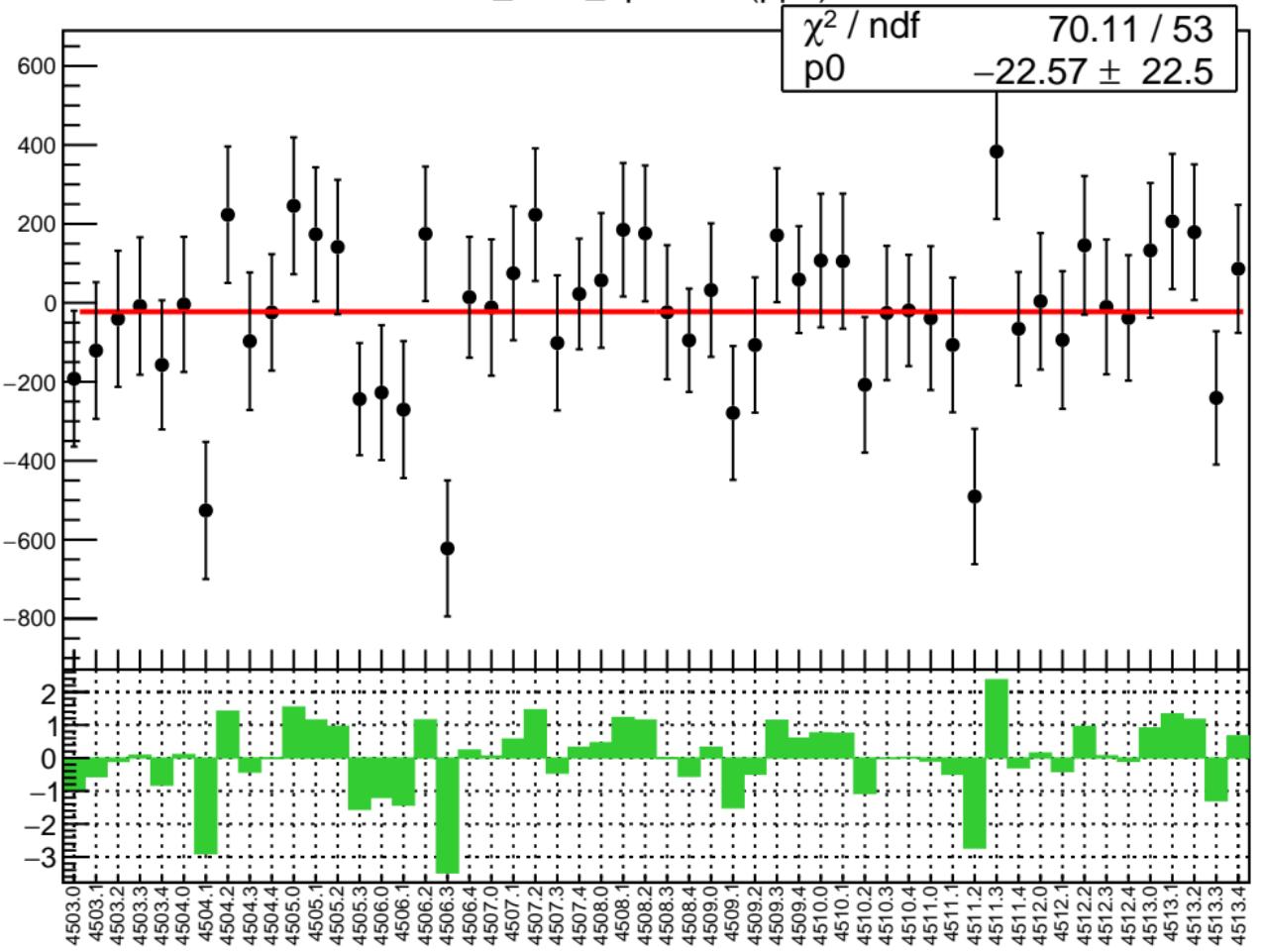


# corr\_Adet\_bpm4eX RMS (ppm)

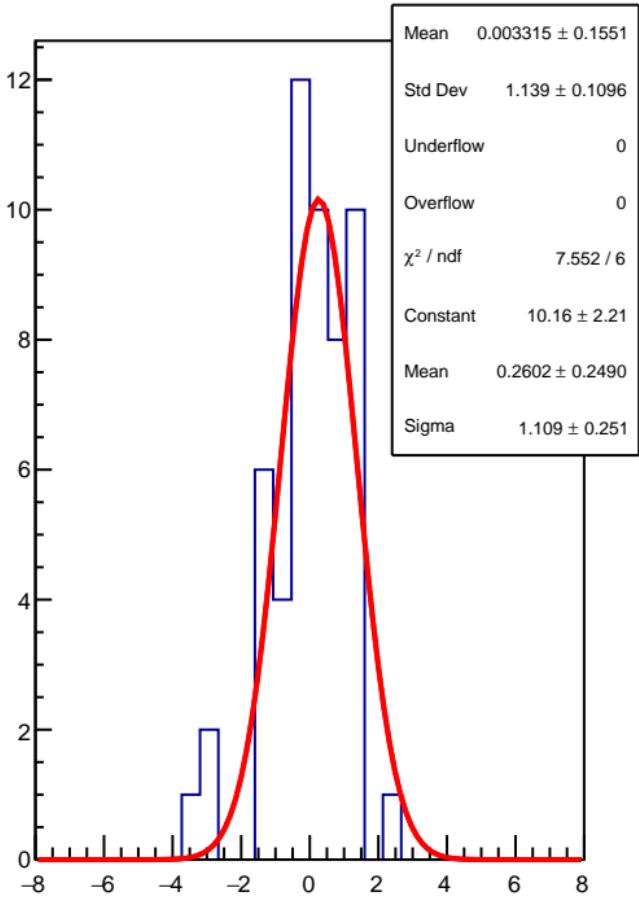
RMS (ppm)



corr\_Adet\_bpm4eY (ppb)

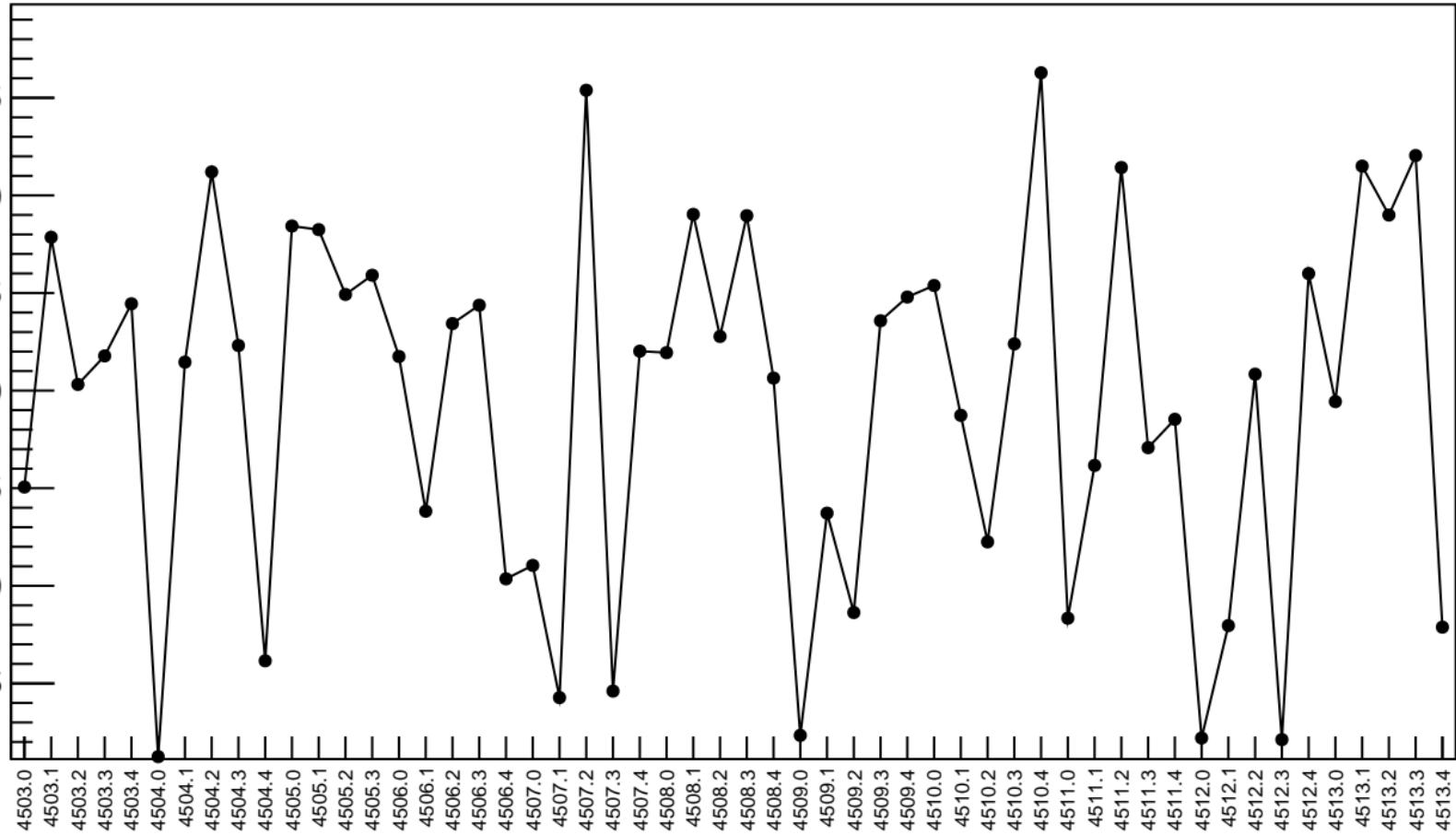


1D pull distribution

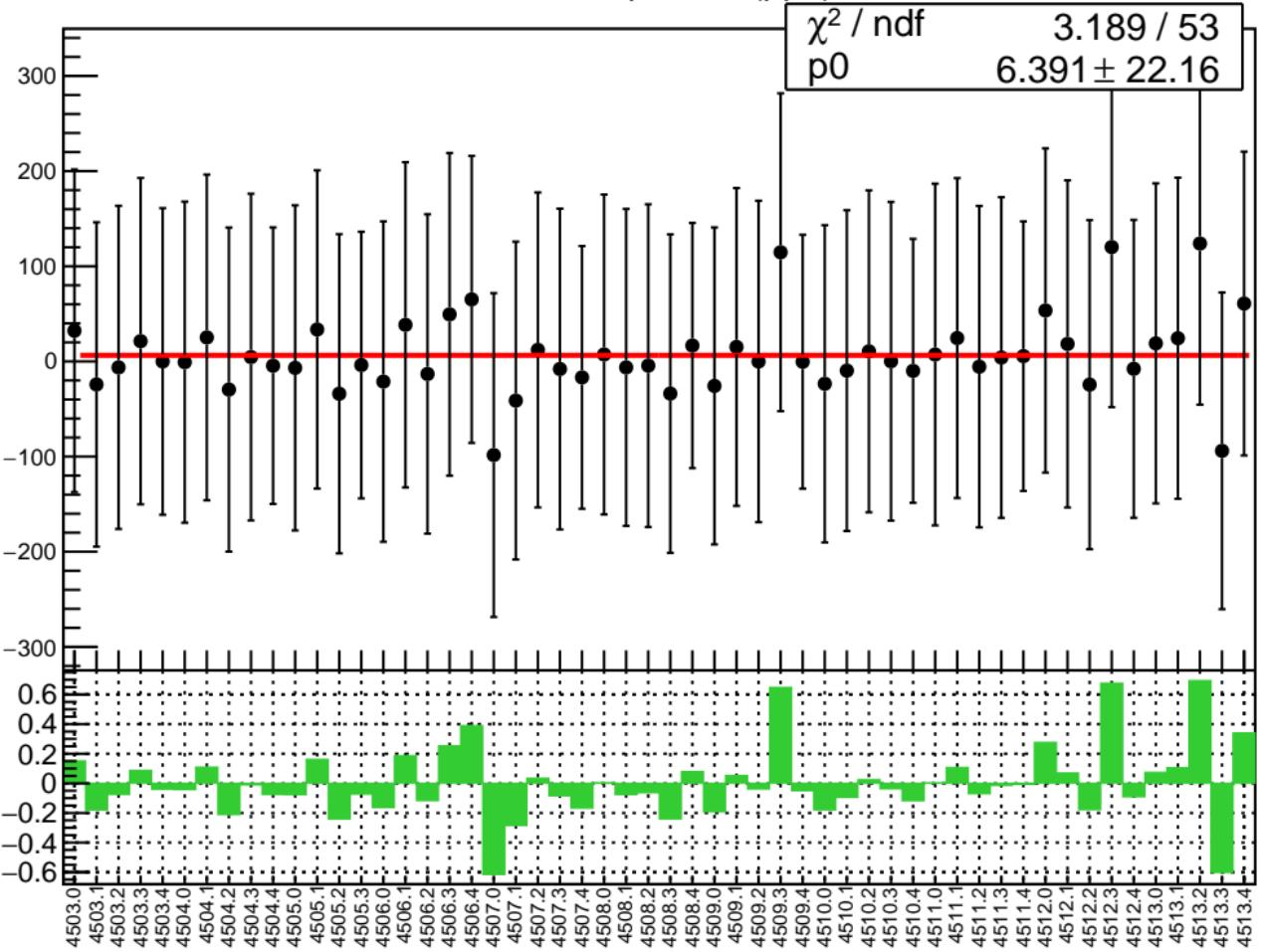


# corr\_Adet\_bpm4eY RMS (ppm)

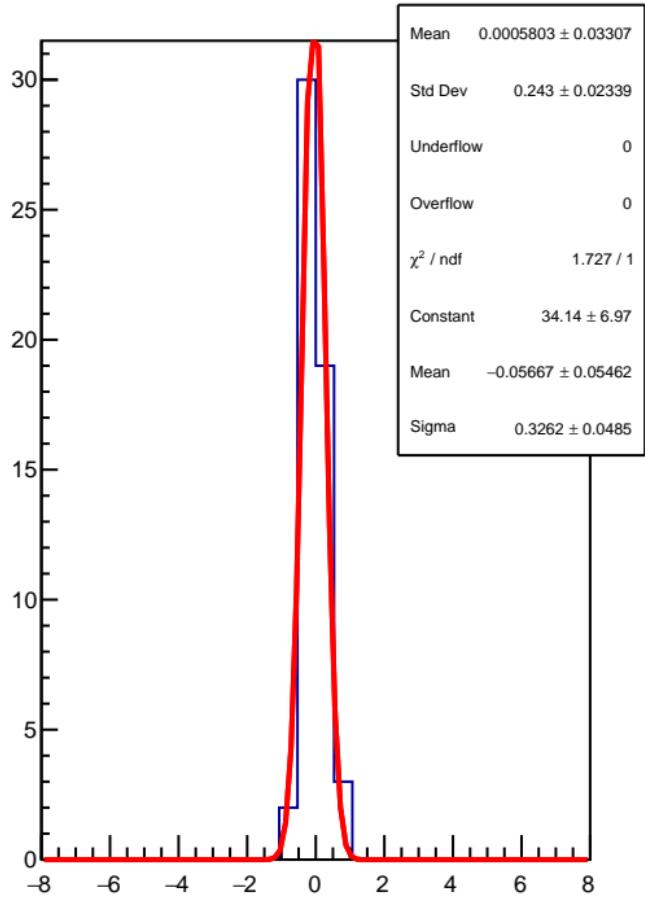
RMS (ppm)



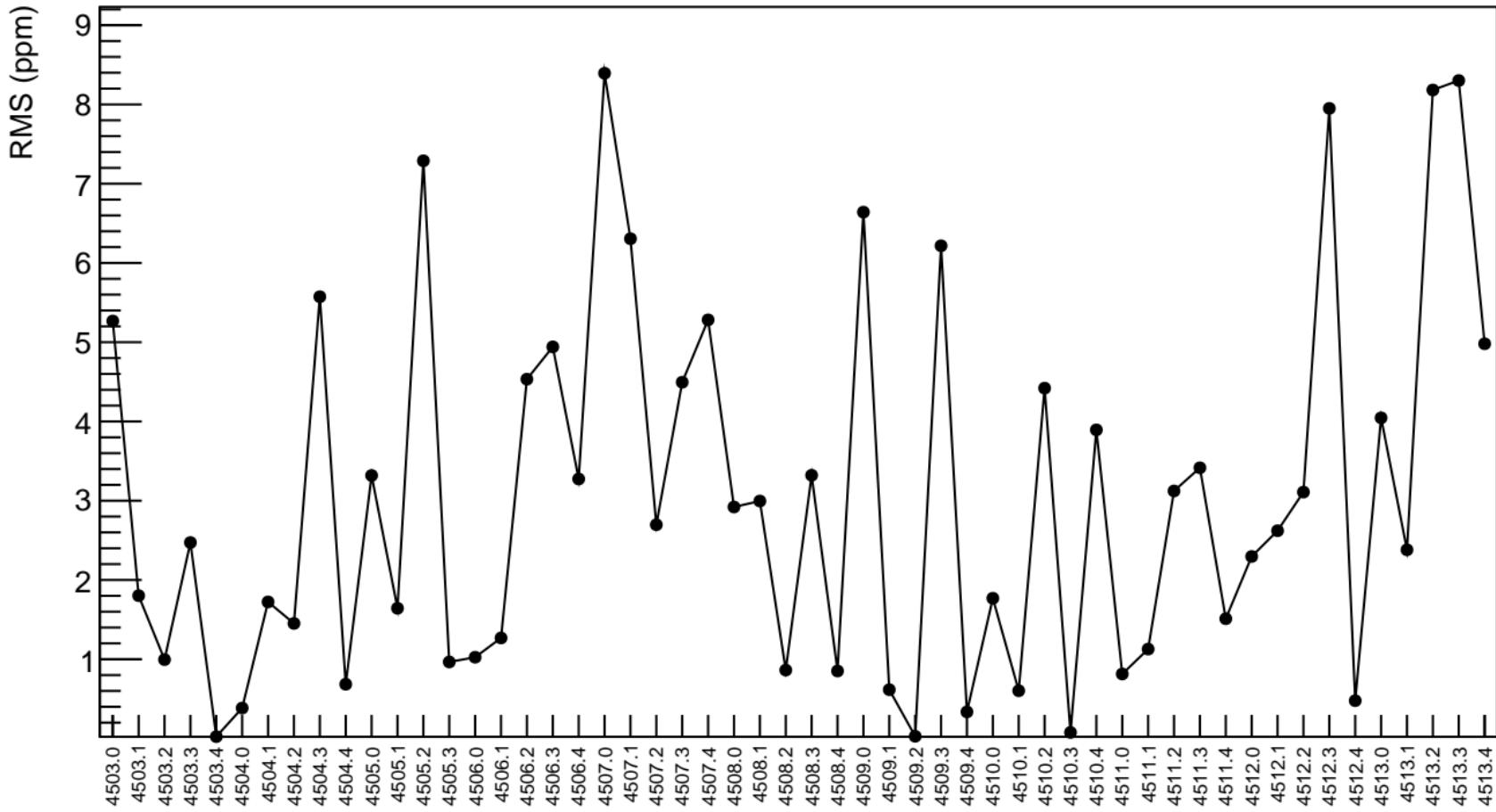
corr\_Adet\_bpm4aX (ppb)



1D pull distribution

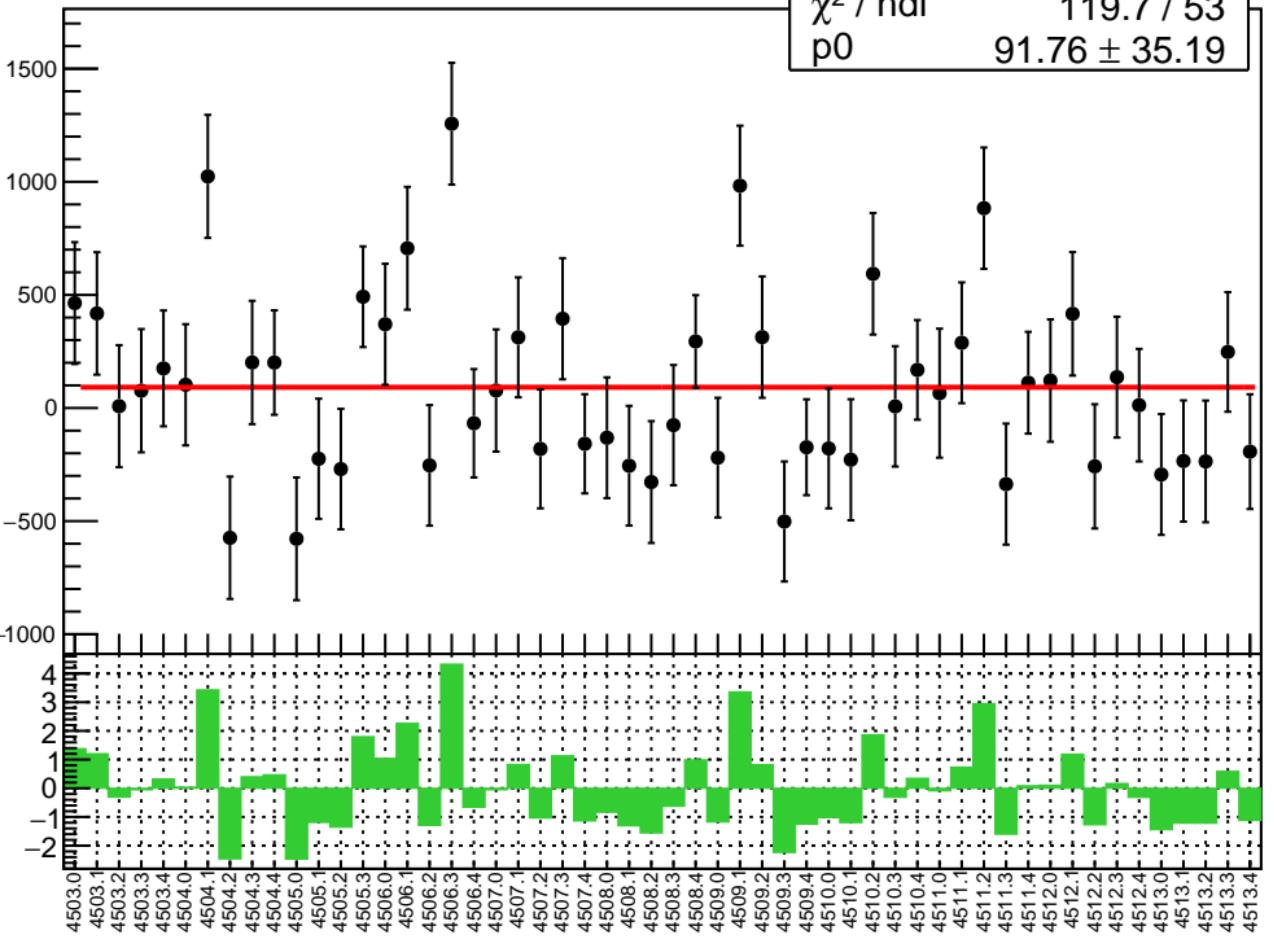


# corr\_Adet\_bpm4aX RMS (ppm)

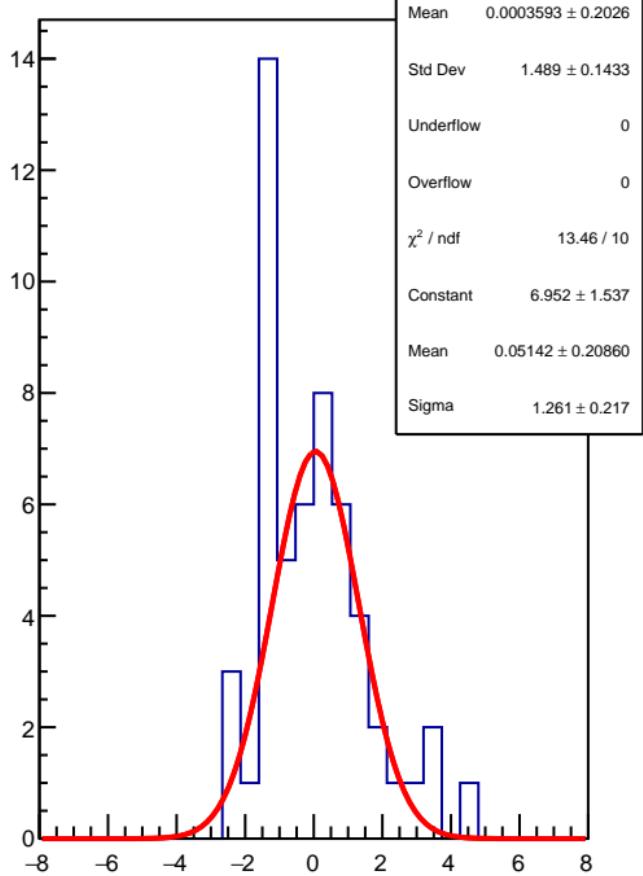


corr\_Adet\_bpm4aY (ppb)

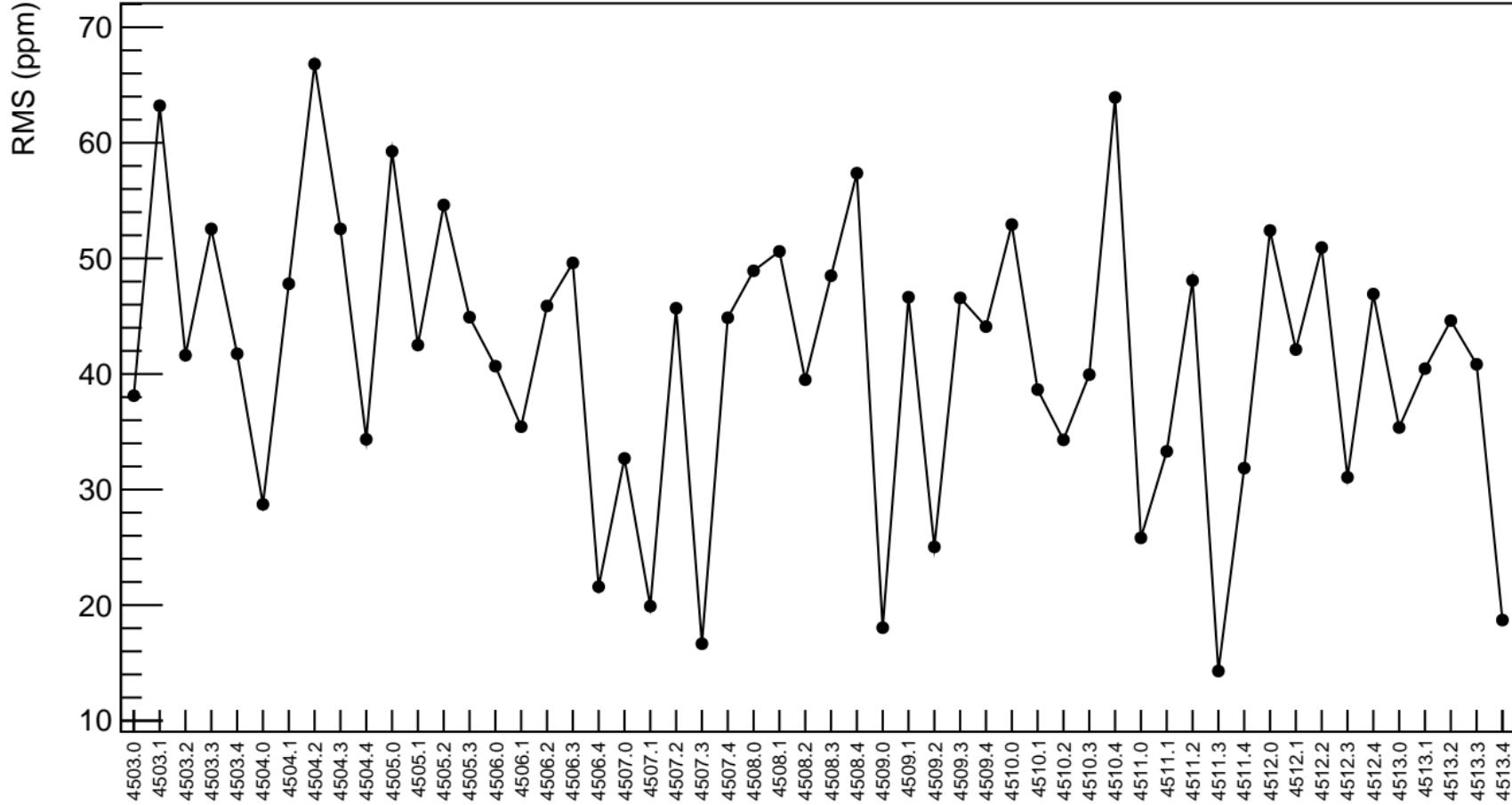
$\chi^2 / \text{ndf}$  119.7 / 53  
p0  $91.76 \pm 35.19$



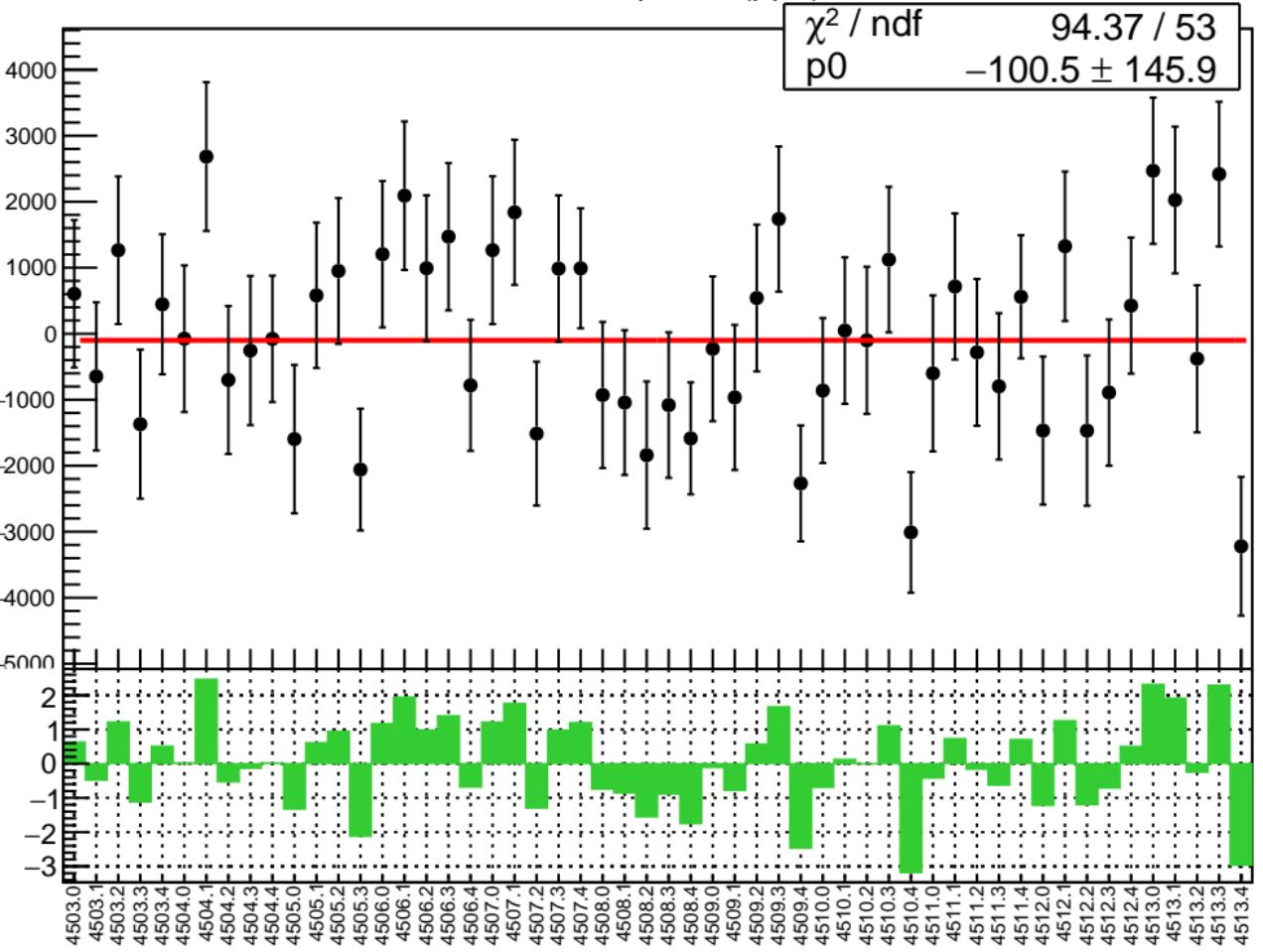
1D pull distribution



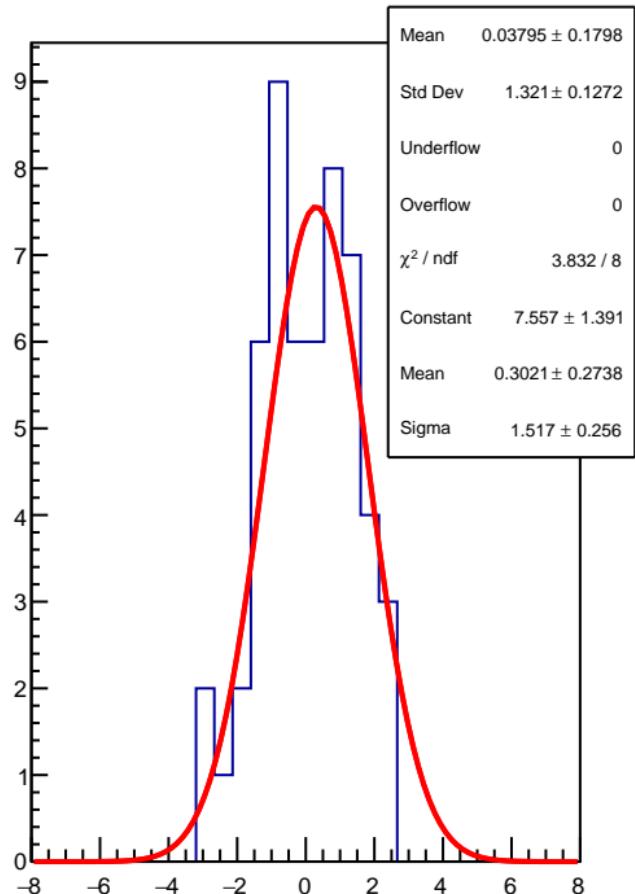
# corr\_Adet\_bpm4aY RMS (ppm)



corr\_Adet\_bpm1X (ppb)

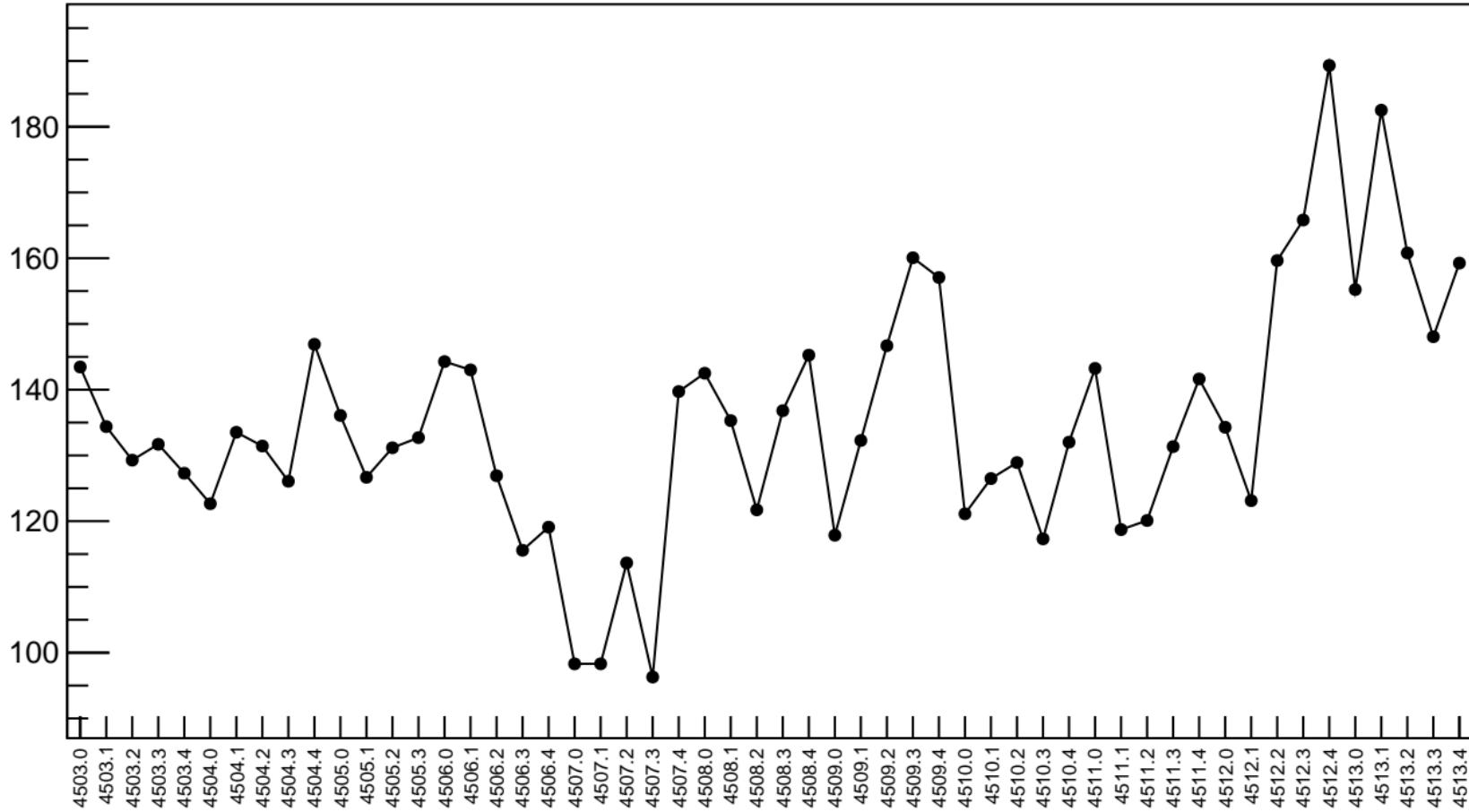


1D pull distribution

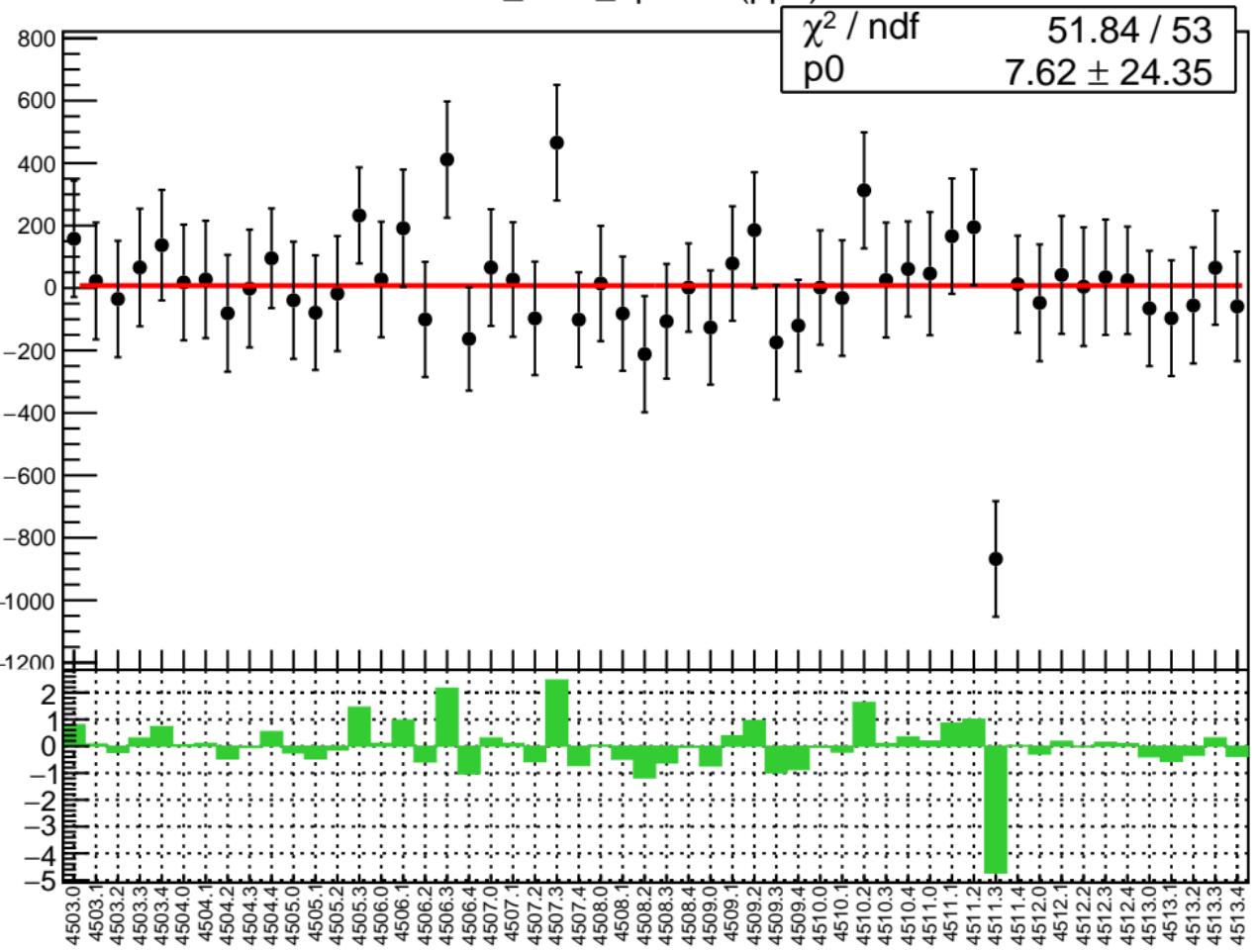


# corr\_Adet\_bpm1X RMS (ppm)

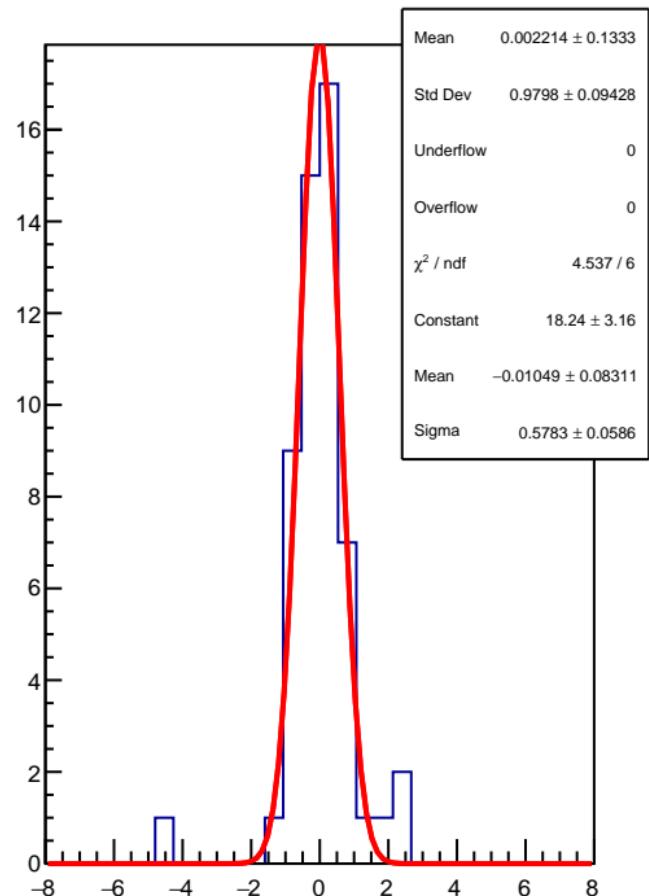
RMS (ppm)



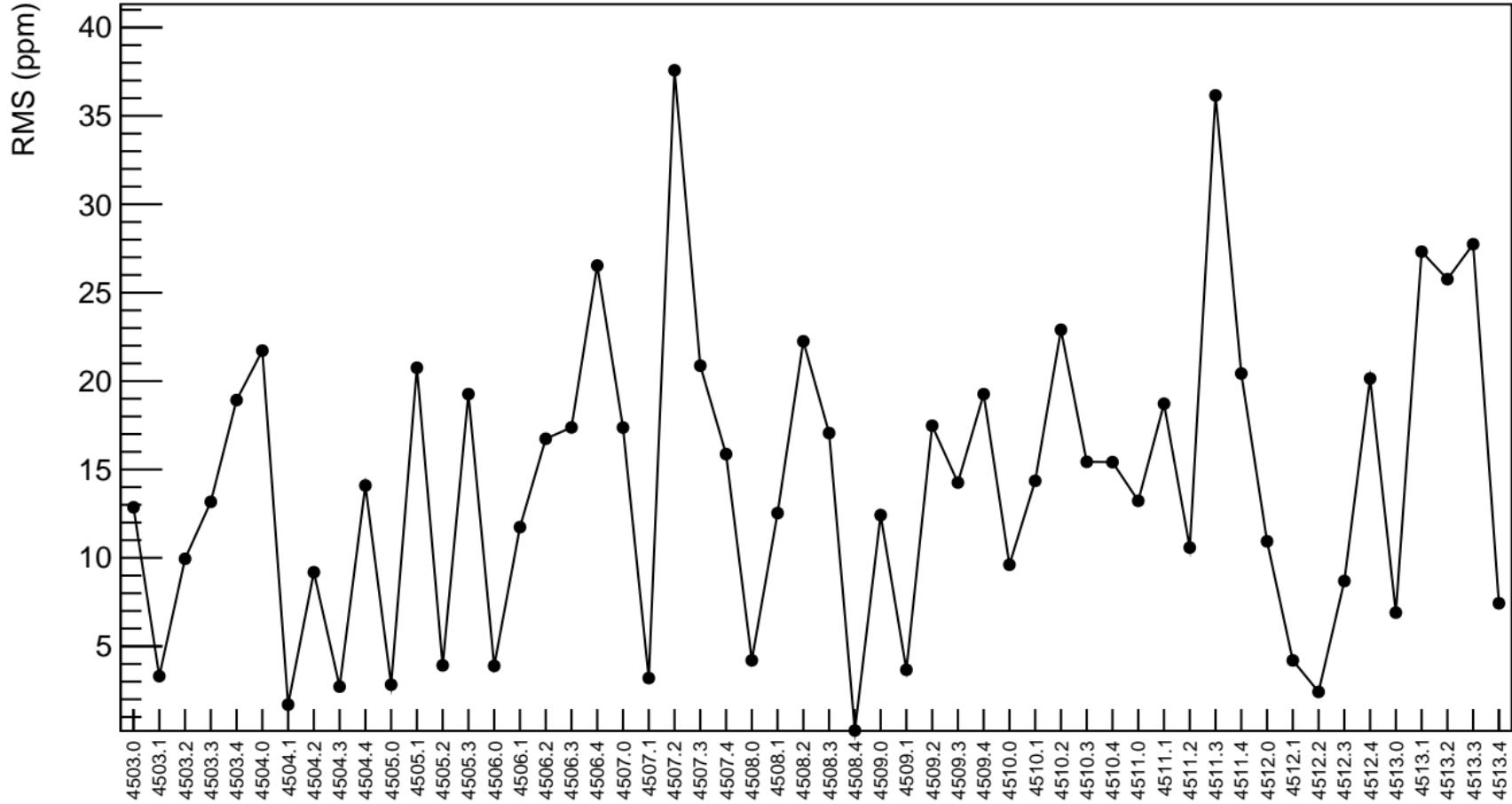
corr\_Adet\_bpm1Y (ppb)



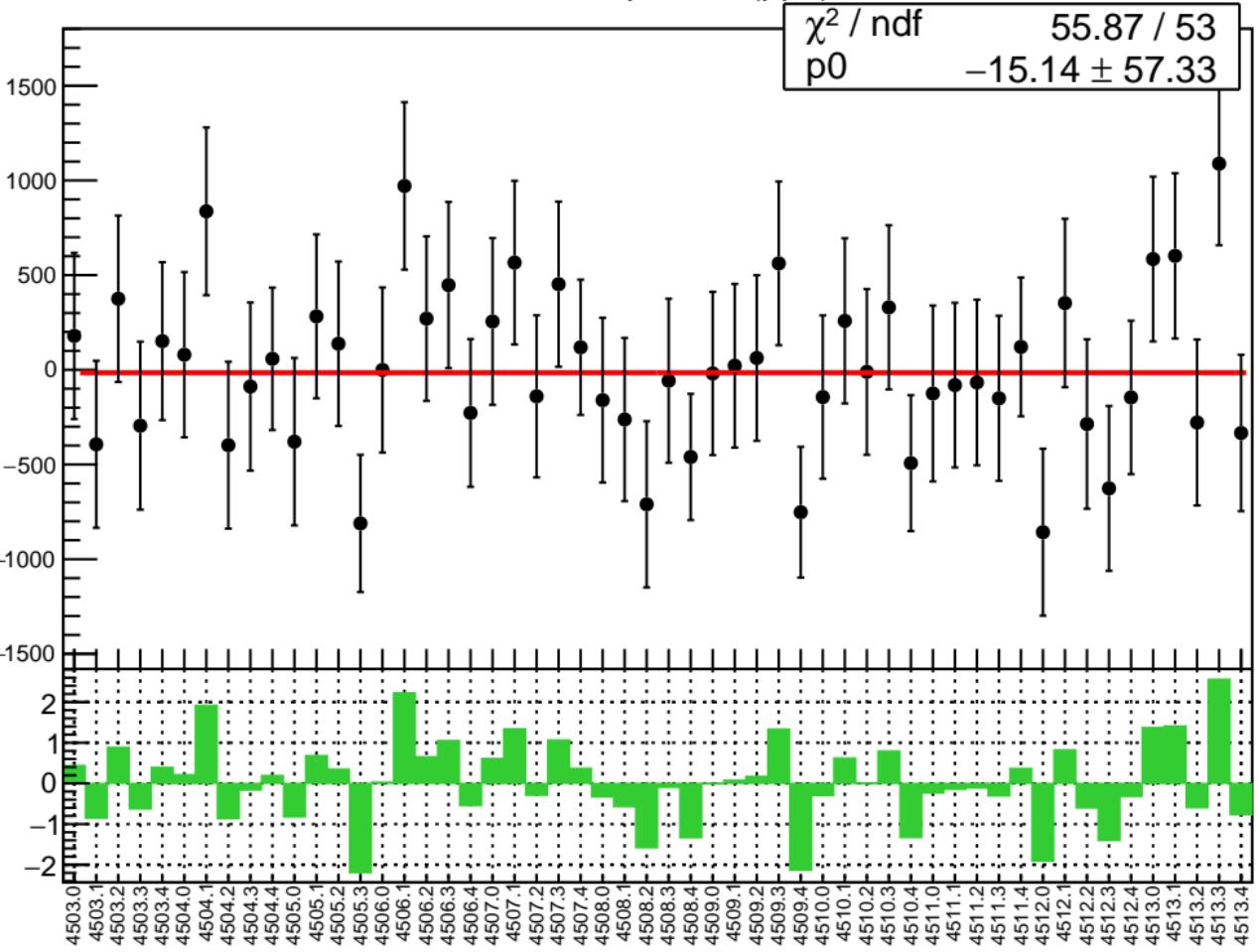
1D pull distribution



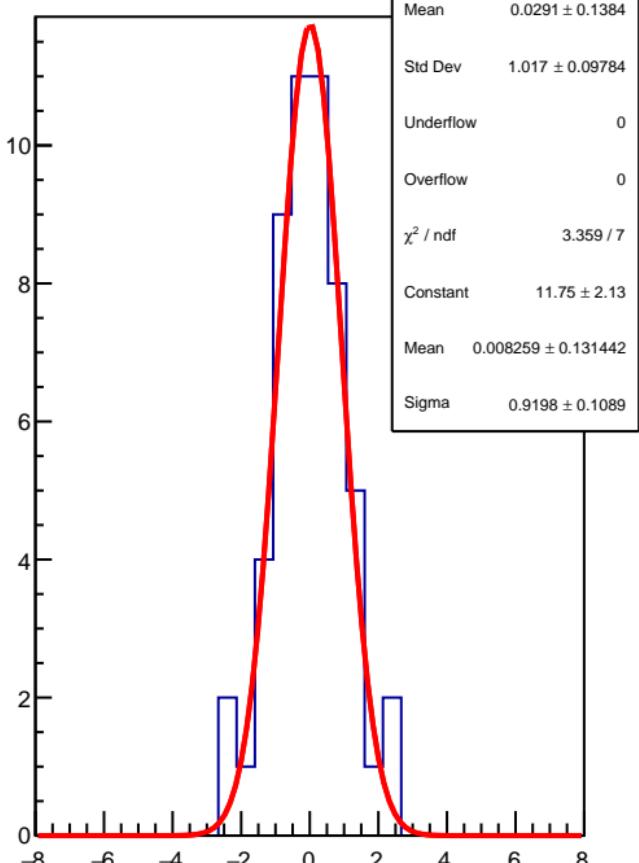
# corr\_Adet\_bpm1Y RMS (ppm)



corr\_Adet\_bpm16X (ppb)

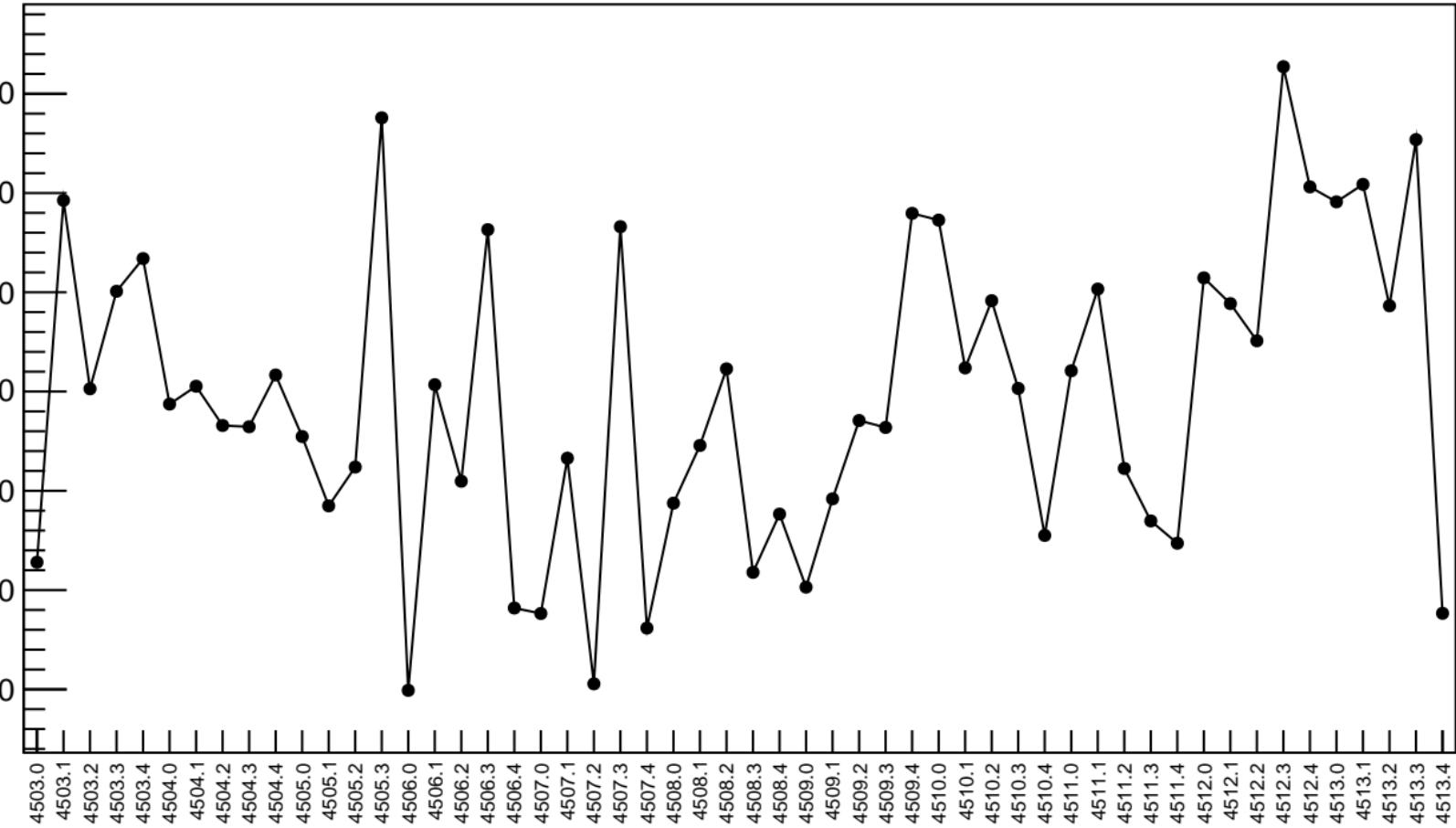


1D pull distribution

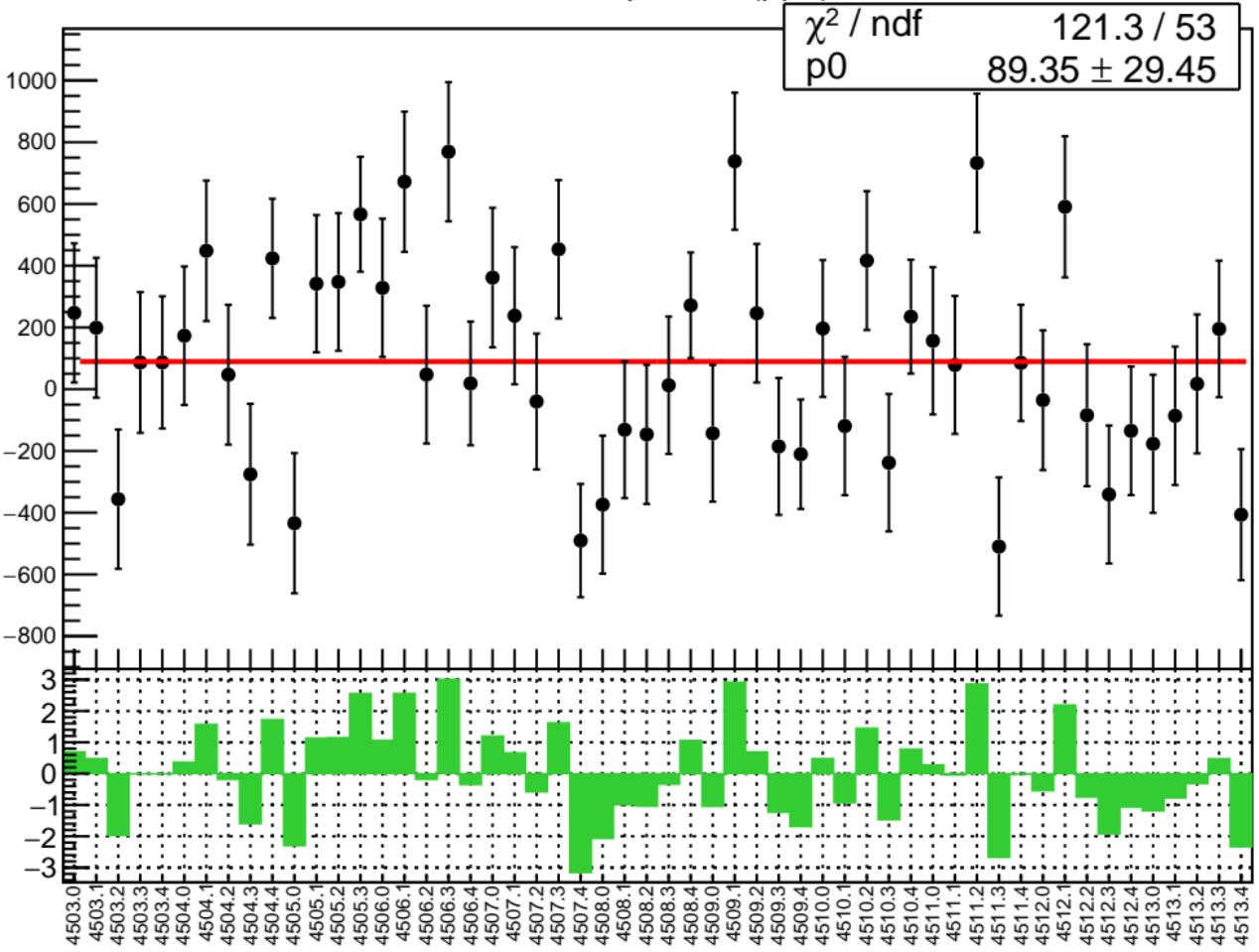


# corr\_Adet\_bpm16X RMS (ppm)

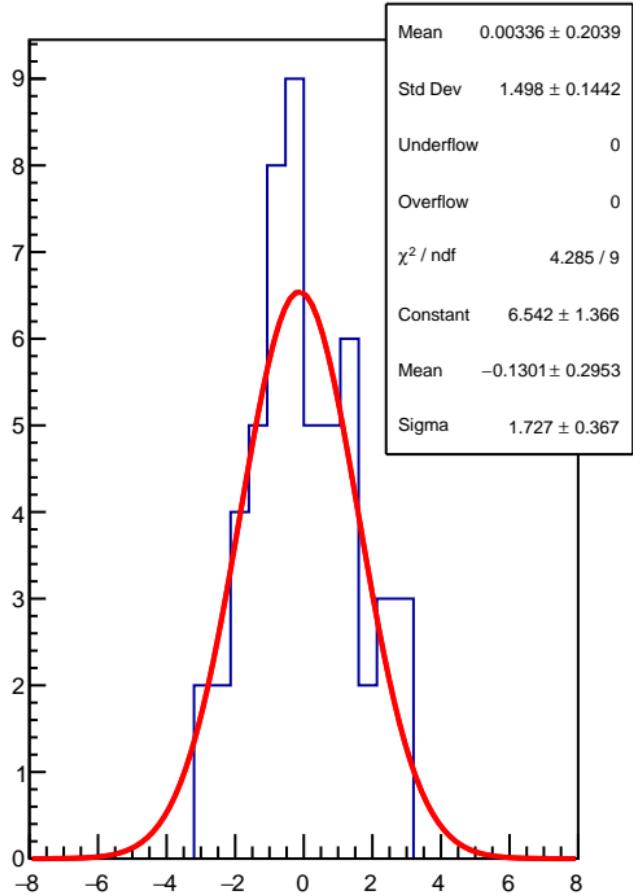
RMS (ppm)



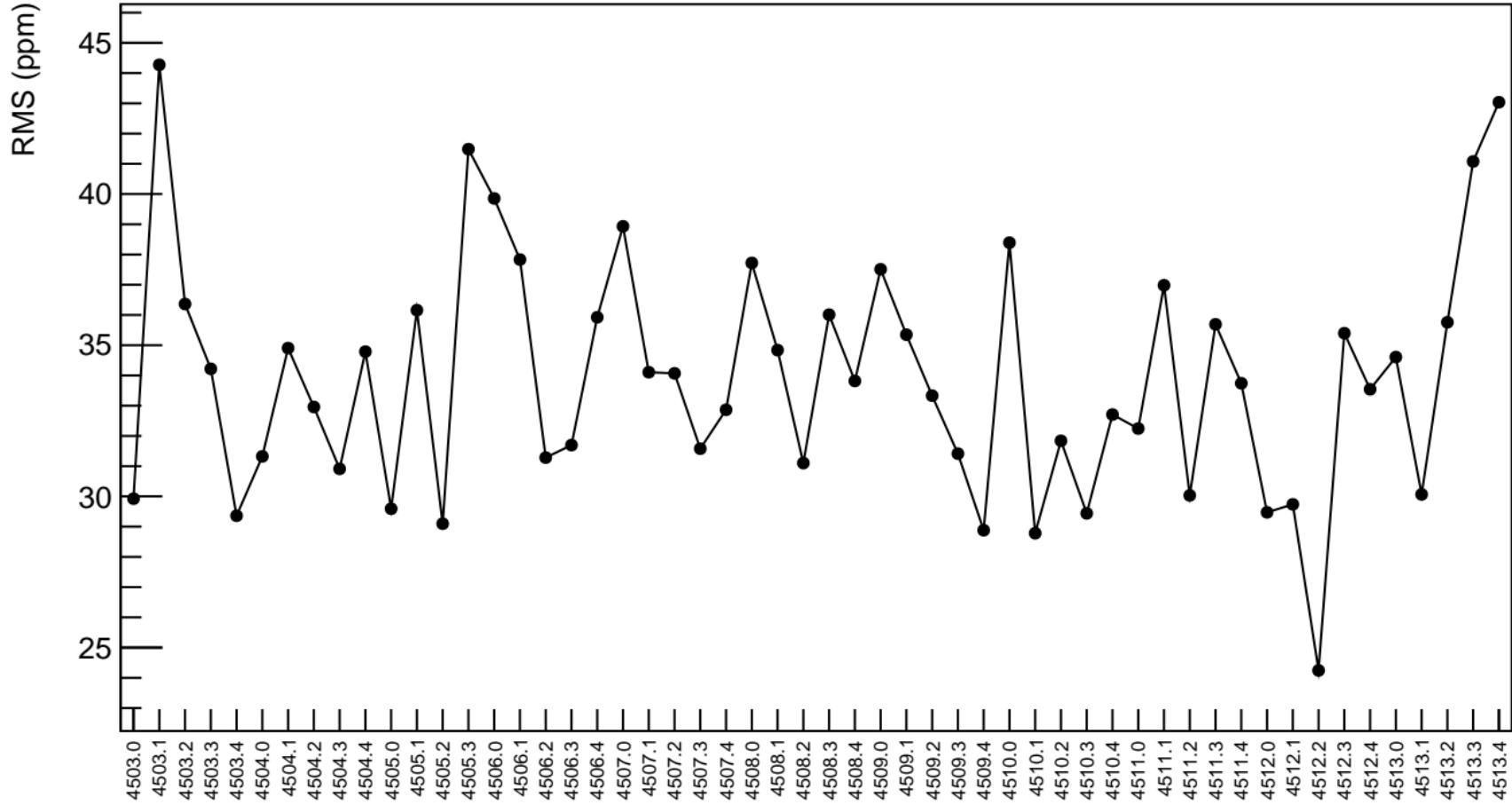
corr\_Adet\_bpm16Y (ppb)



1D pull distribution

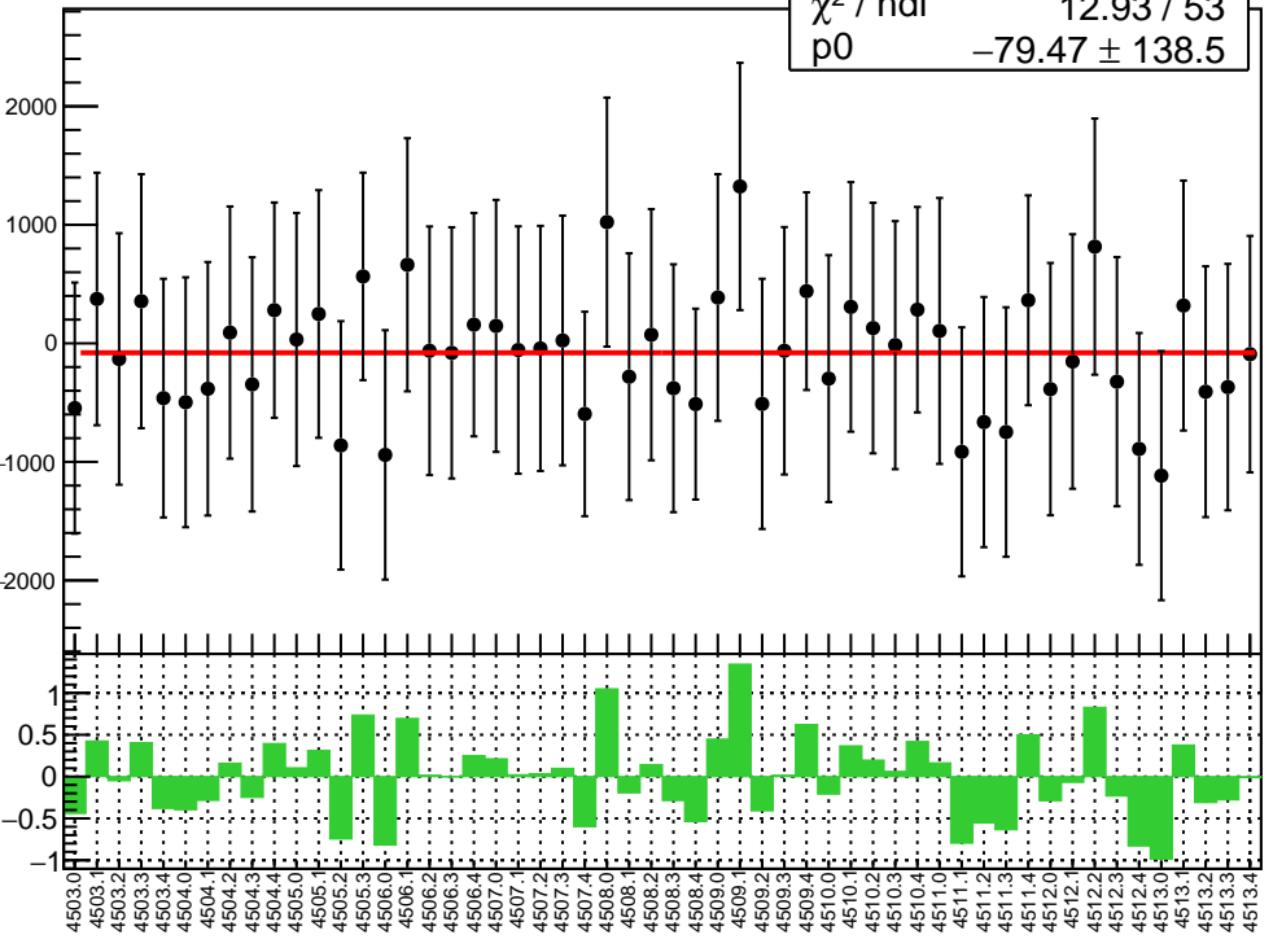


# corr\_Adet\_bpm16Y RMS (ppm)

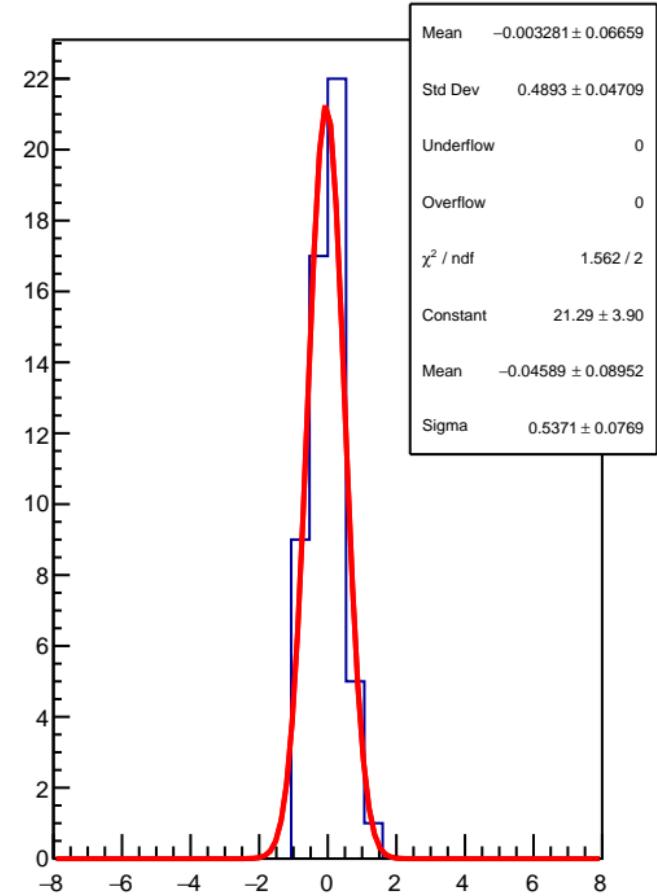


corr\_Adet\_bpm12X (ppb)

$\chi^2 / \text{ndf}$  12.93 / 53  
p0  $-79.47 \pm 138.5$

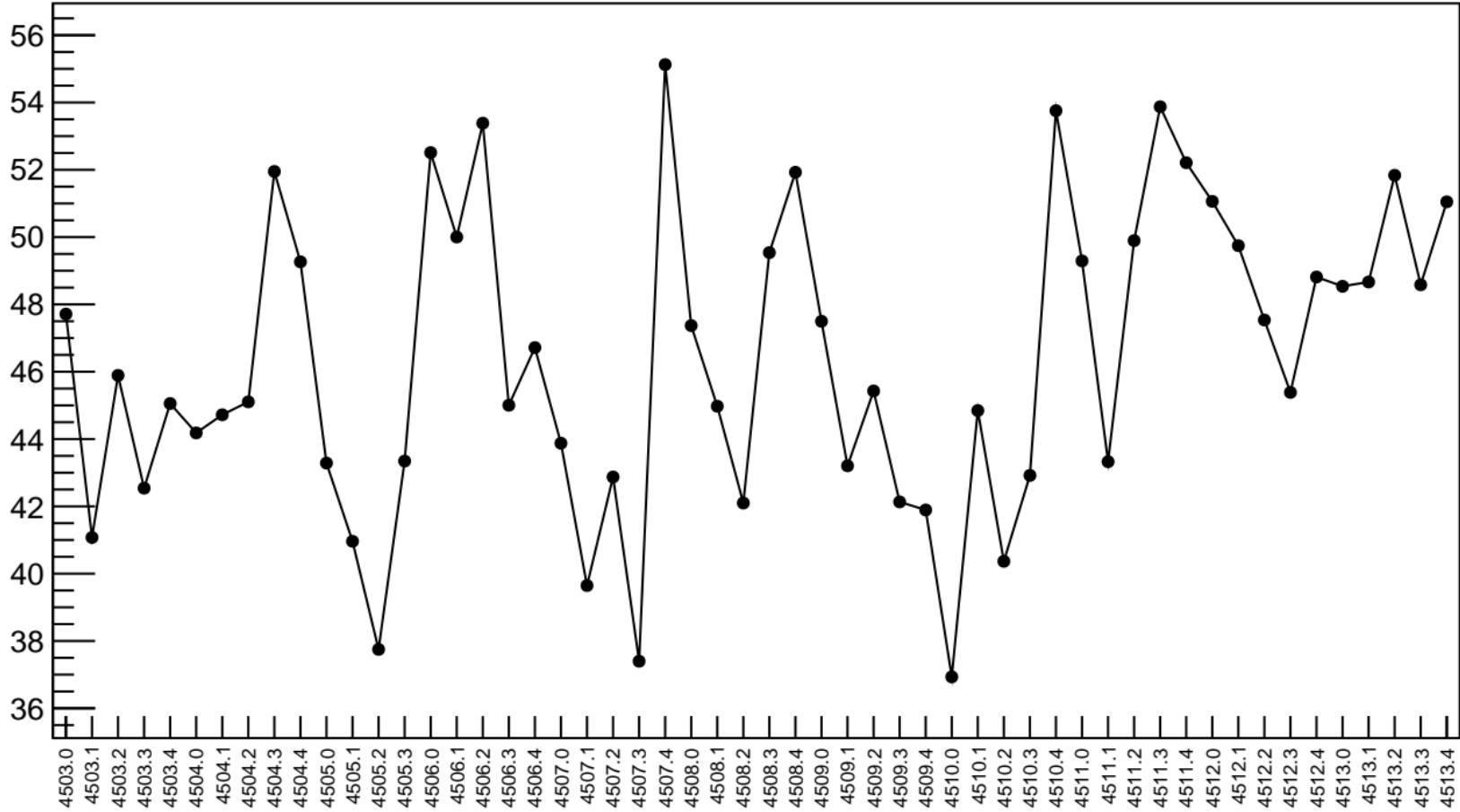


1D pull distribution

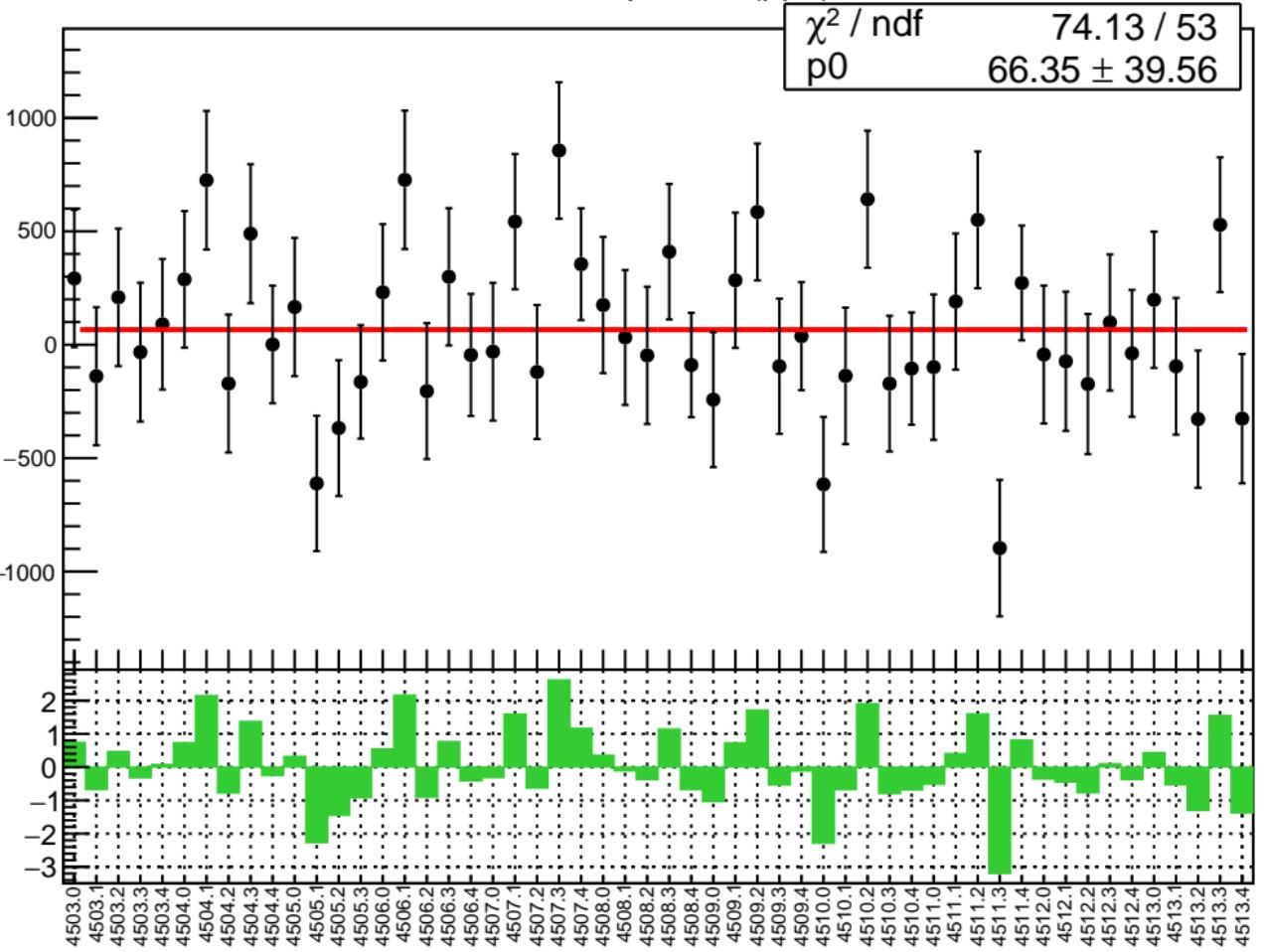


# corr\_Adet\_bpm12X RMS (ppm)

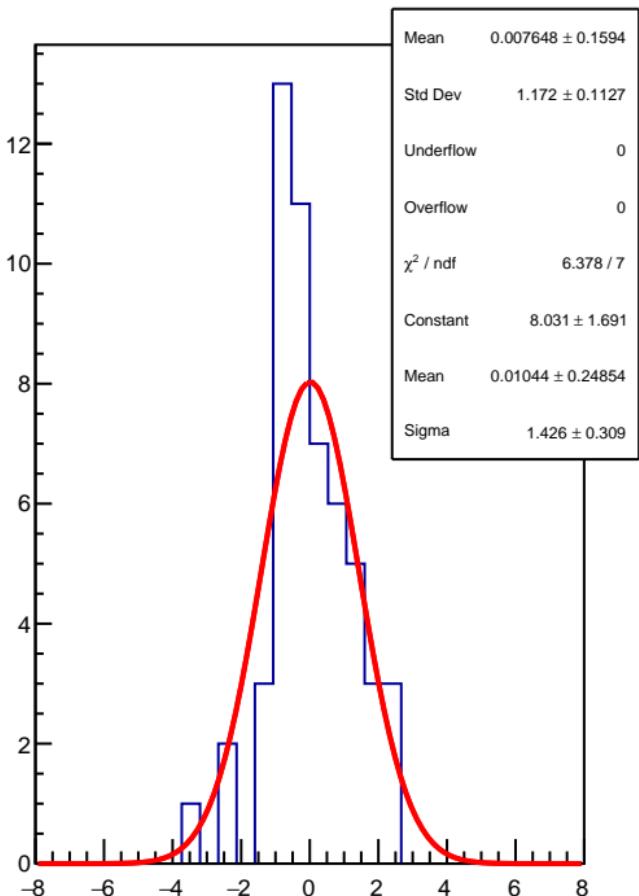
RMS (ppm)



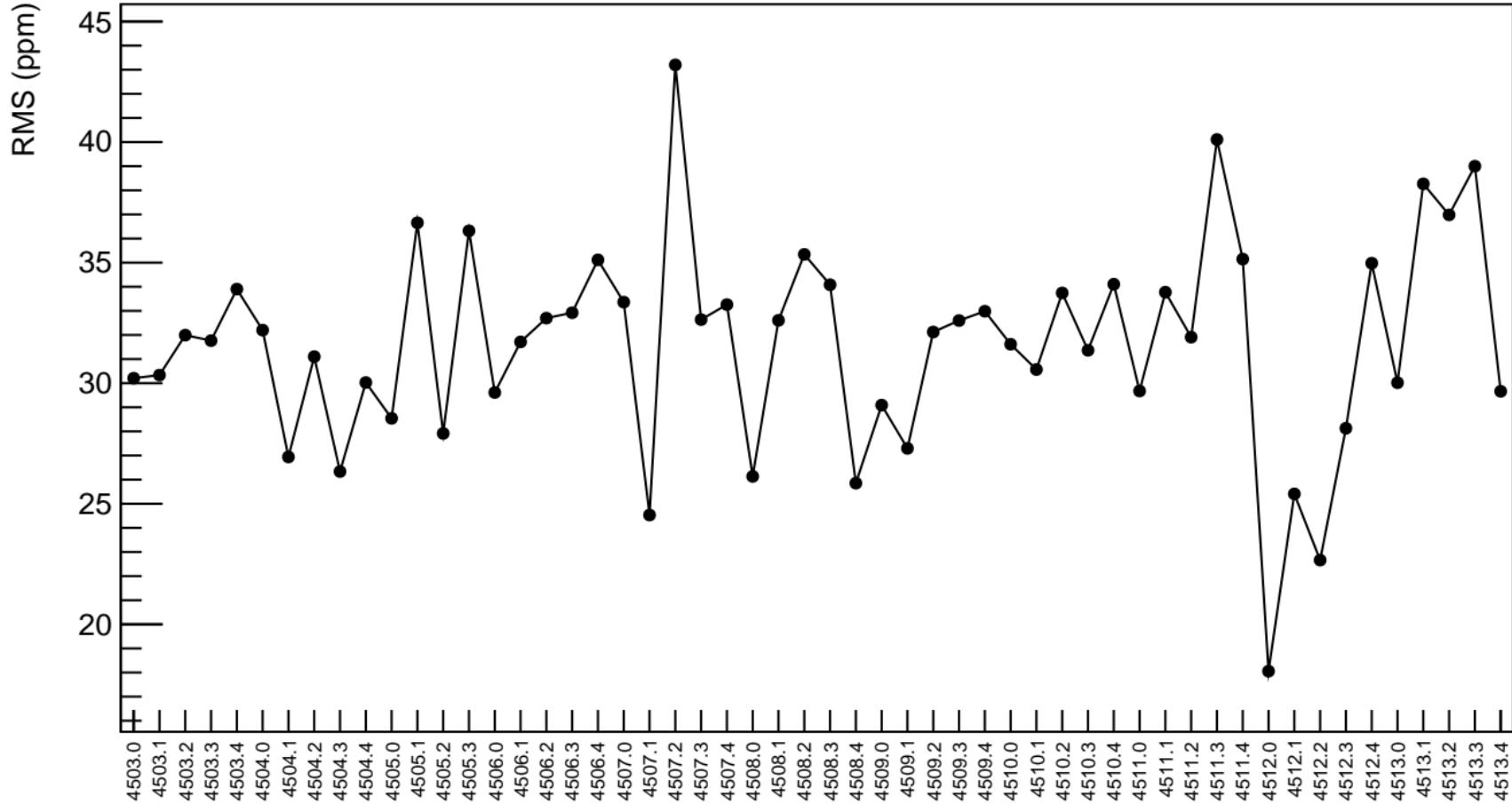
corr\_Adet\_bpm12Y (ppb)



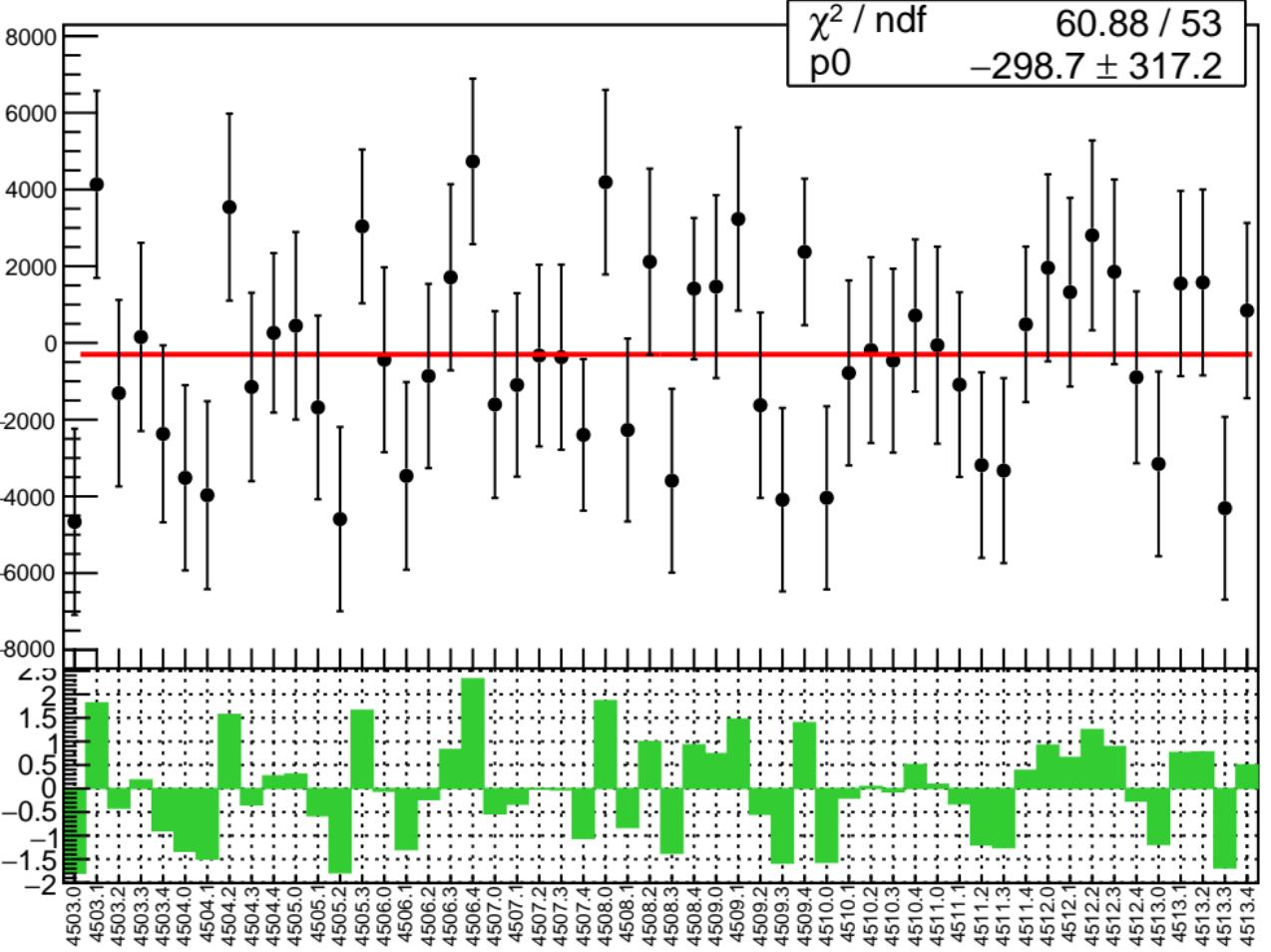
1D pull distribution



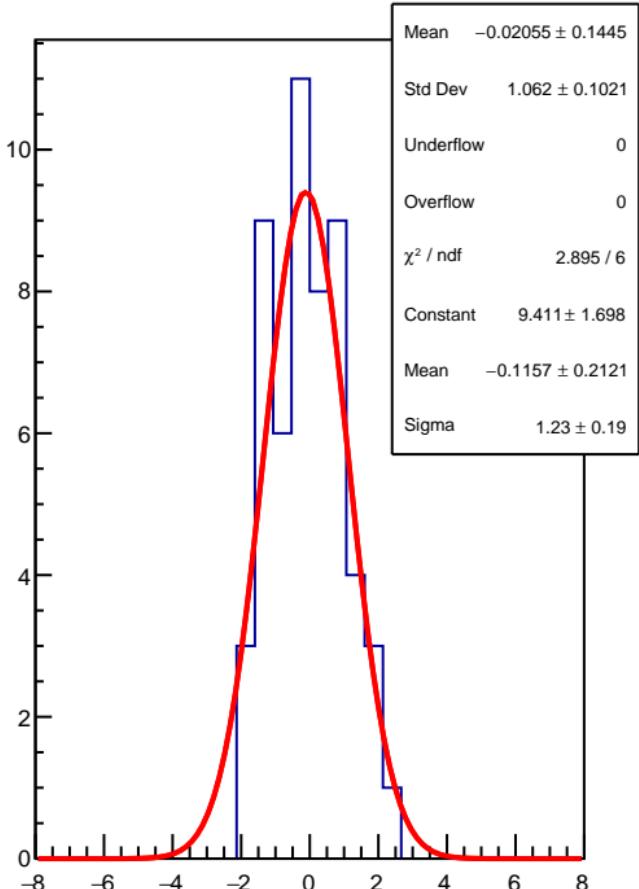
# corr\_Adet\_bpm12Y RMS (ppm)



corr\_Adet\_bpm11X (ppb)

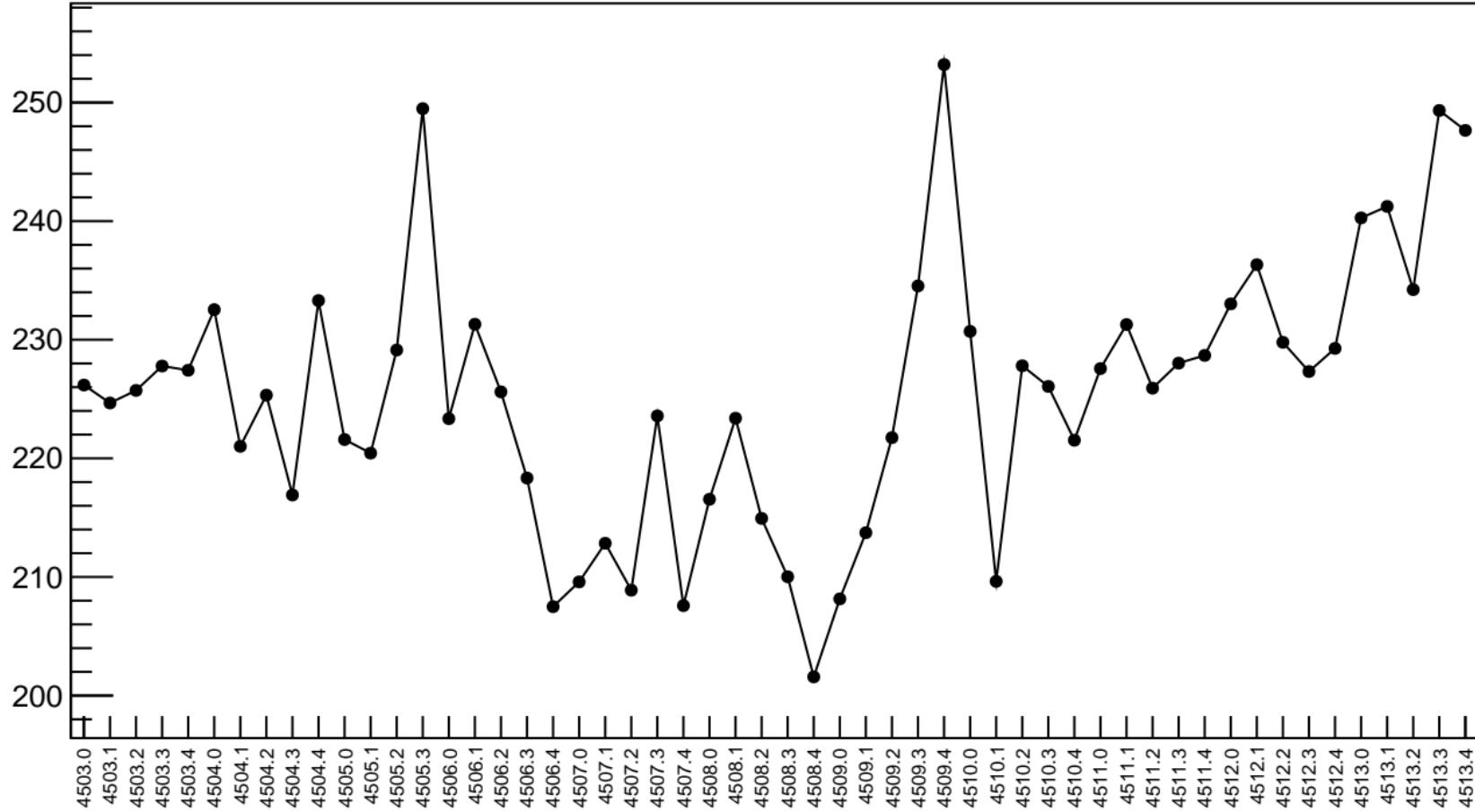


1D pull distribution



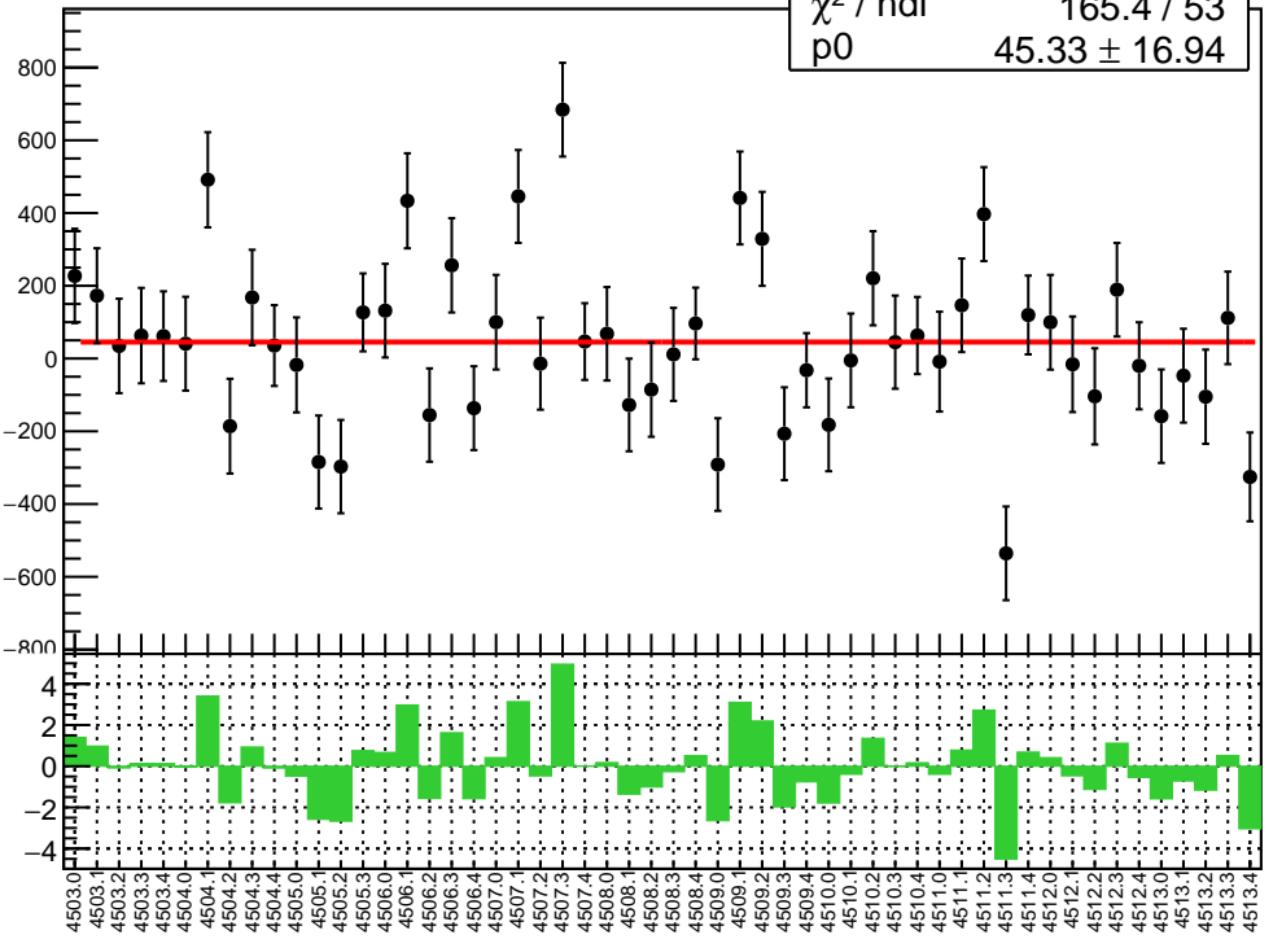
# corr\_Adet\_bpm11X RMS (ppm)

RMS (ppm)

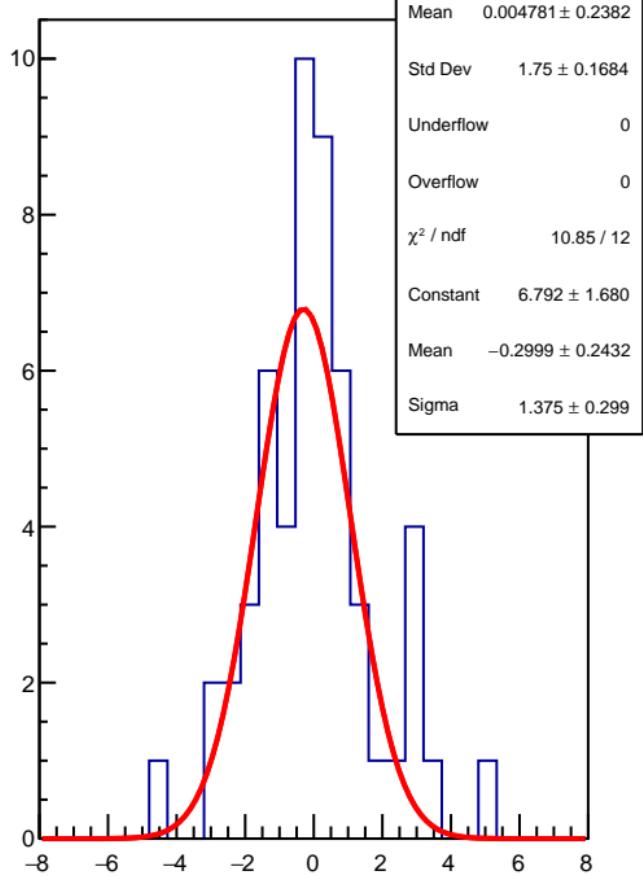


corr\_Adet\_bpm11Y (ppb)

$\chi^2 / \text{ndf}$  165.4 / 53  
p0  $45.33 \pm 16.94$

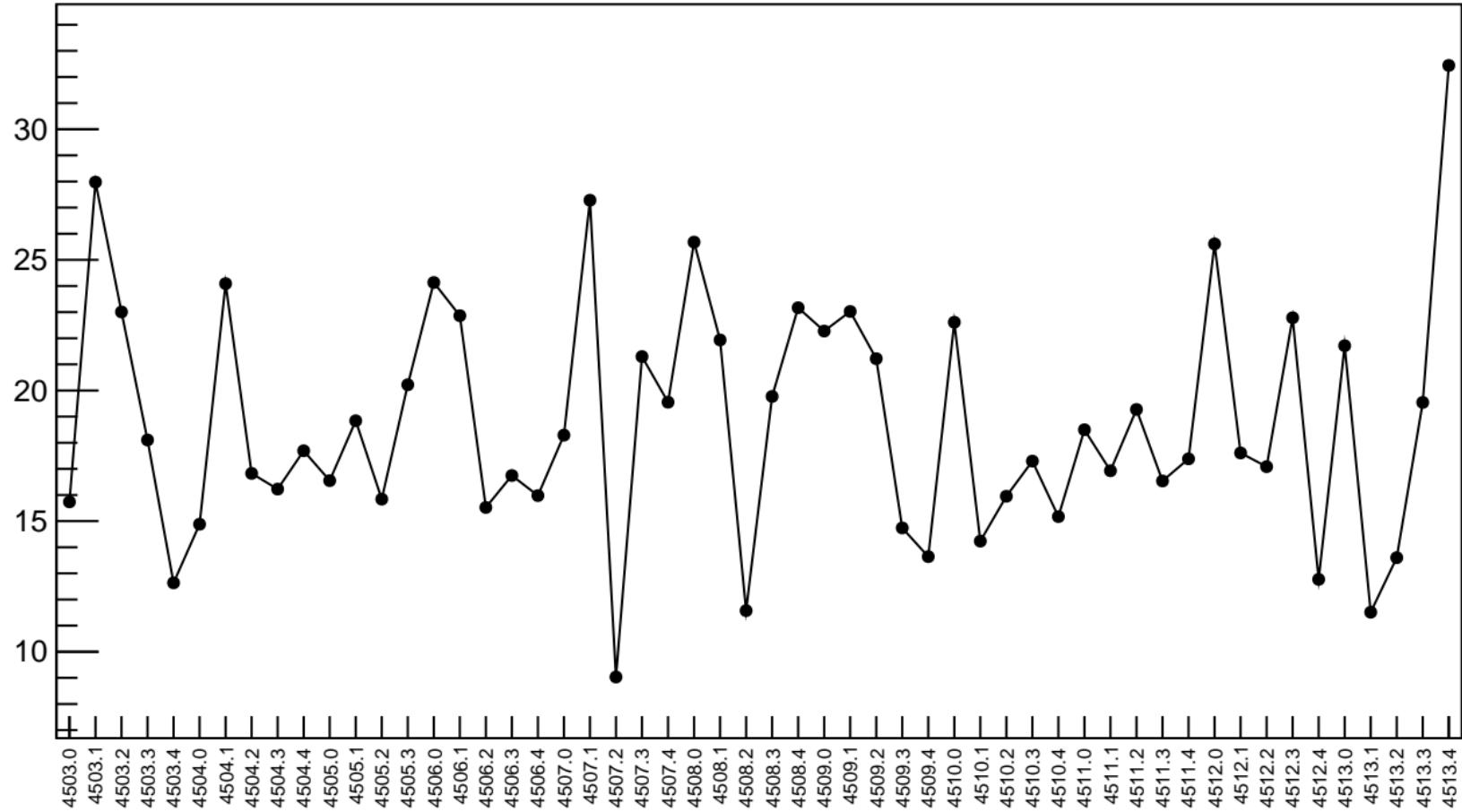


1D pull distribution

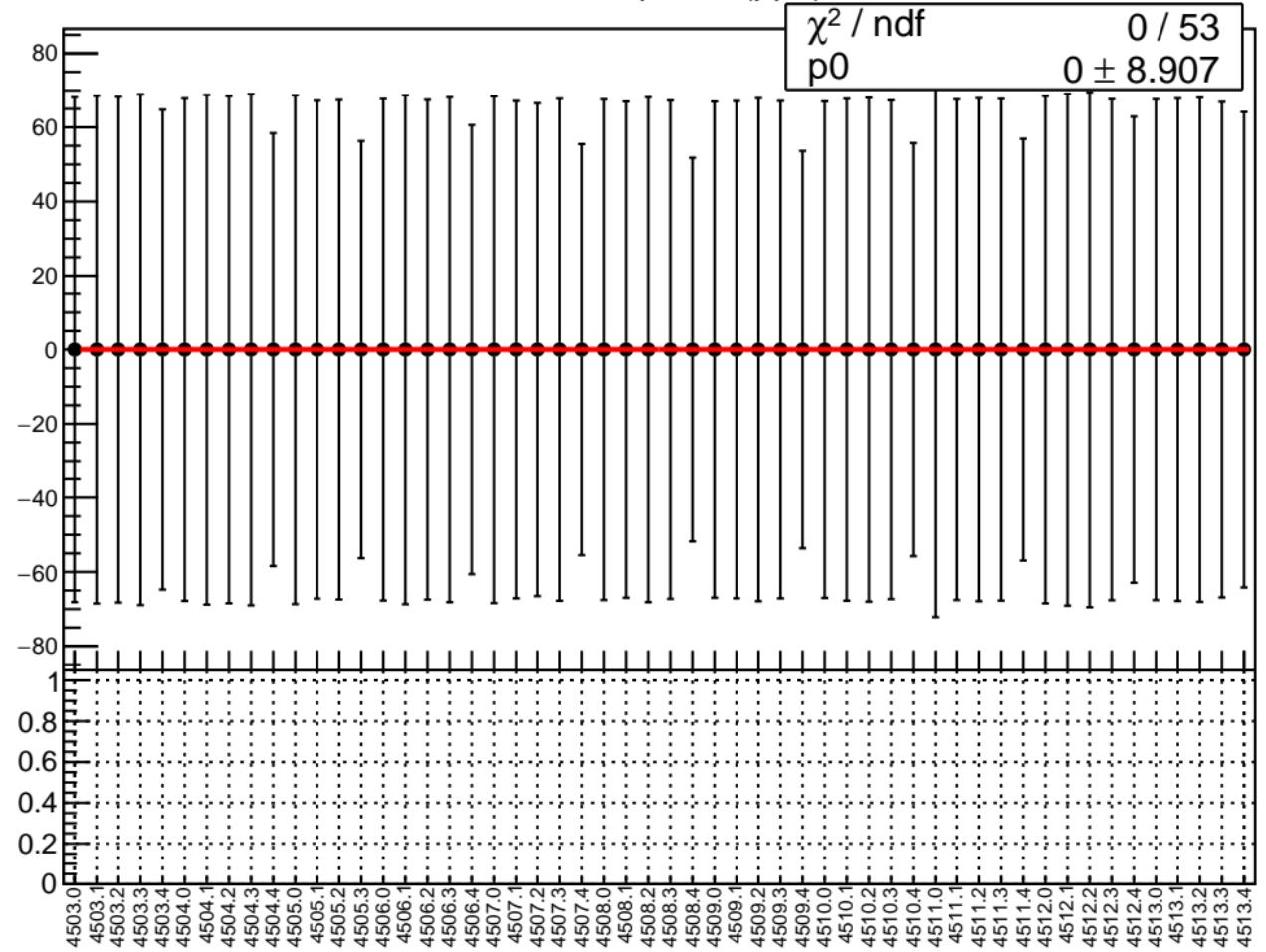


# corr\_Adet\_bpm11Y RMS (ppm)

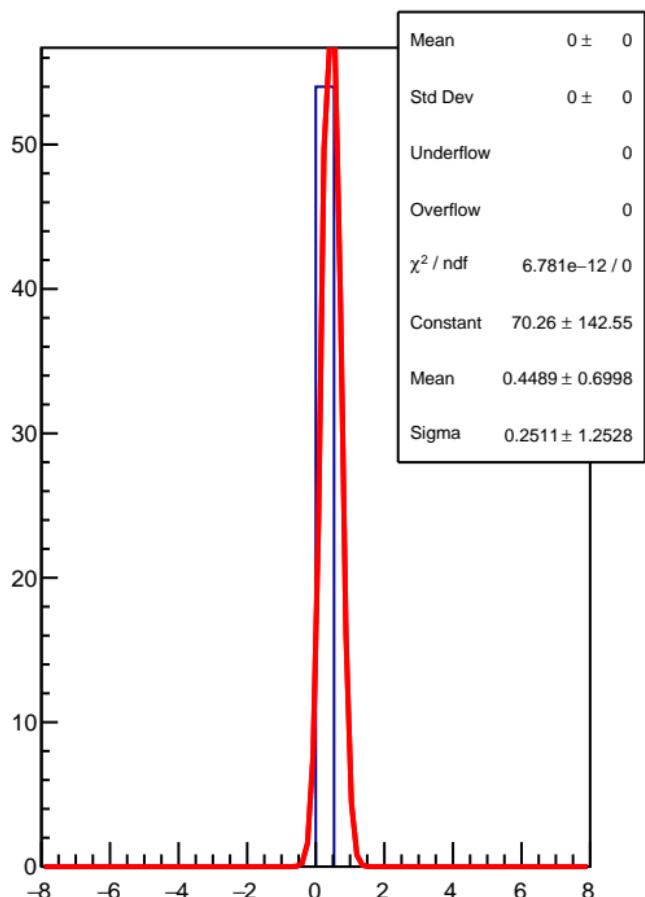
RMS (ppm)



corr\_Adet\_bpm8X (ppb)

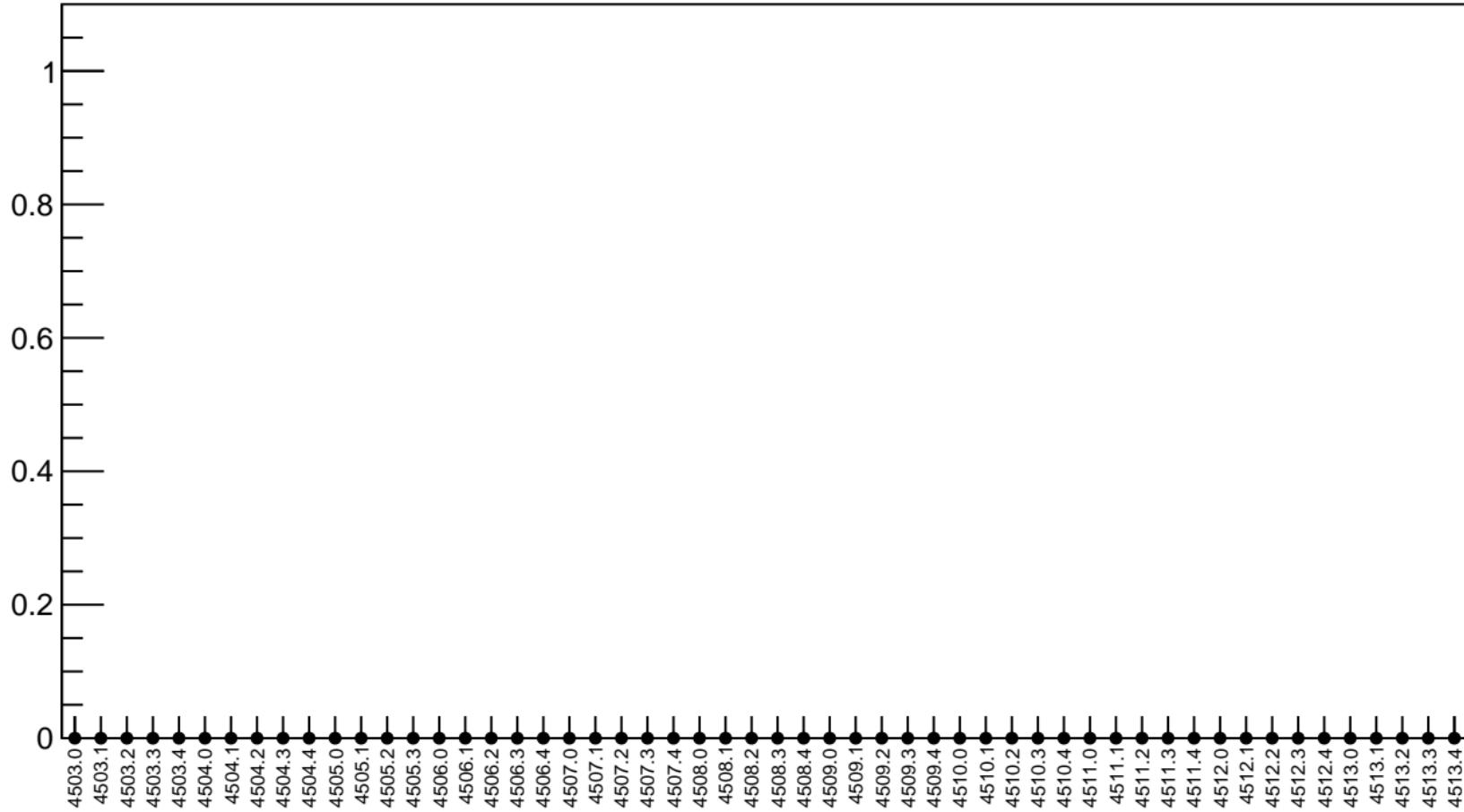


1D pull distribution

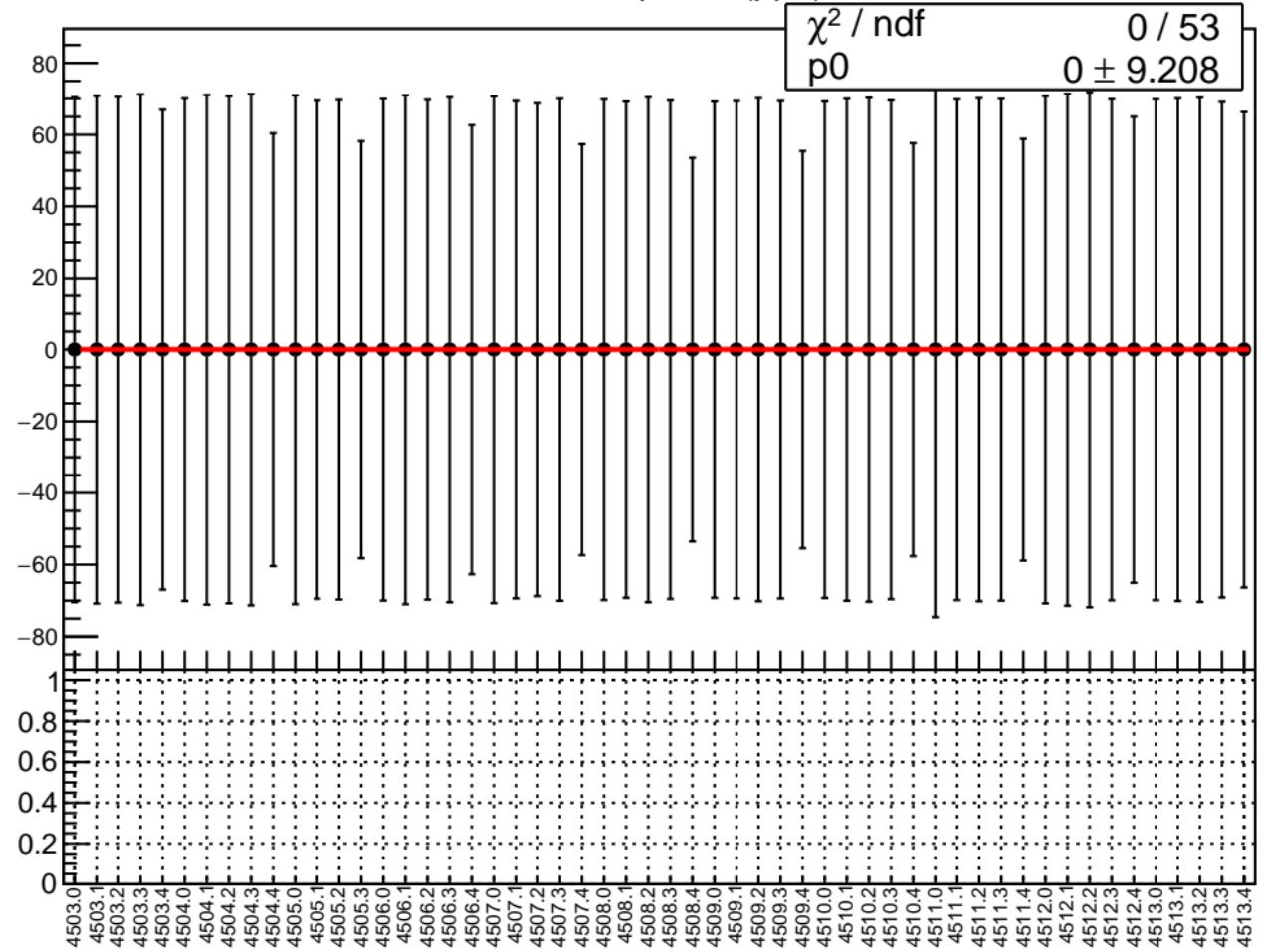


# corr\_Adet\_bpm8X RMS (ppm)

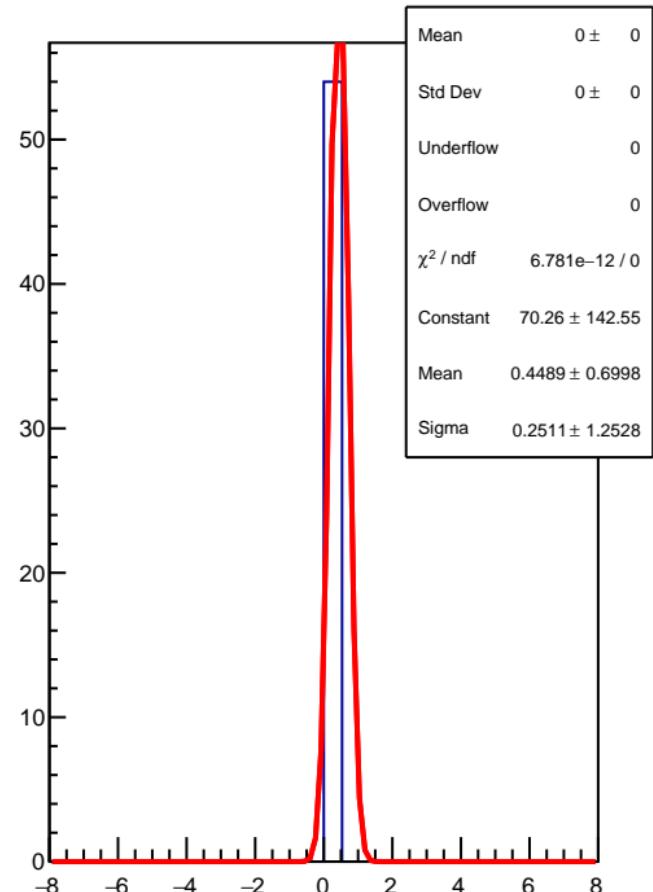
RMS (ppm)



corr\_Adet\_bpm8Y (ppb)

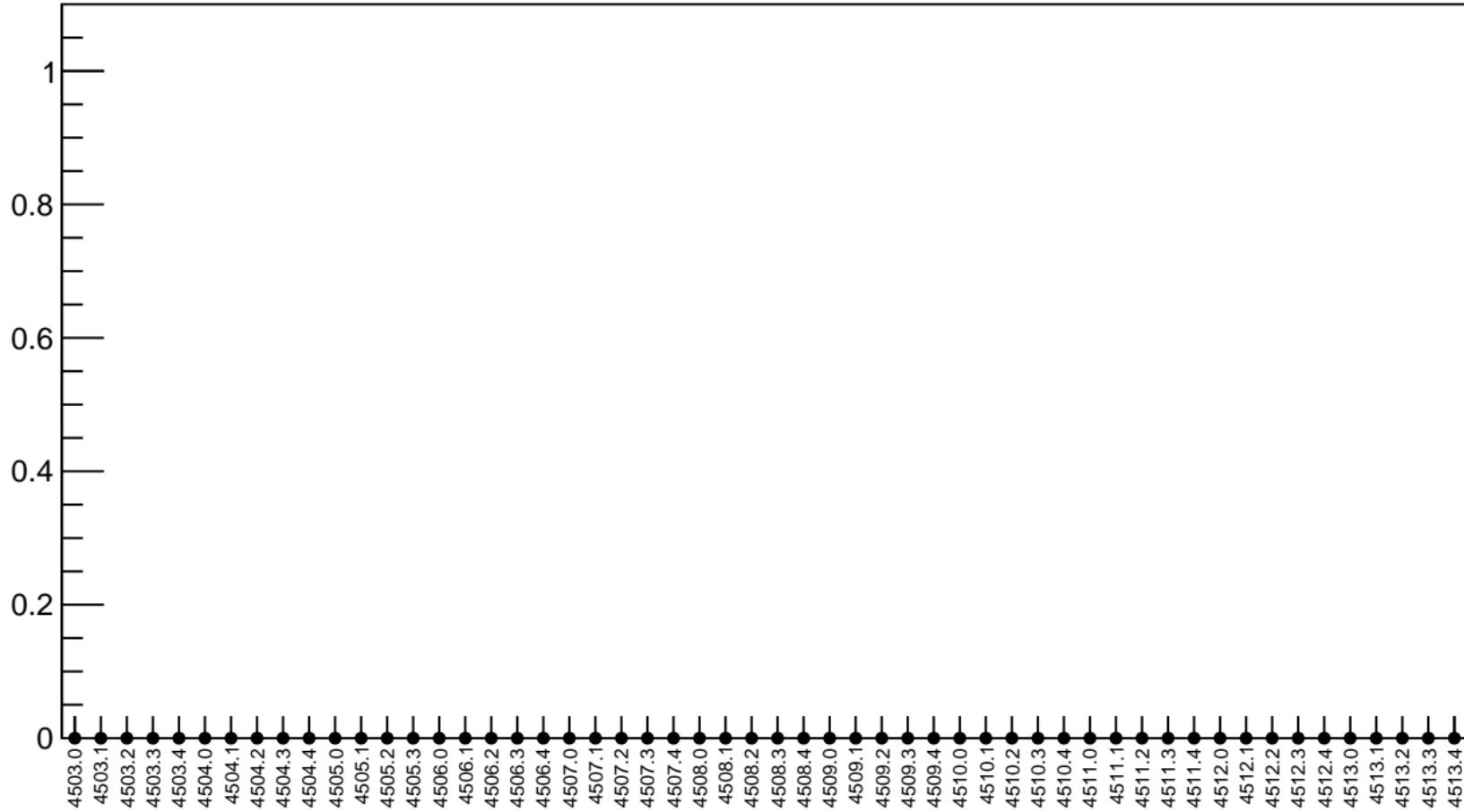


1D pull distribution



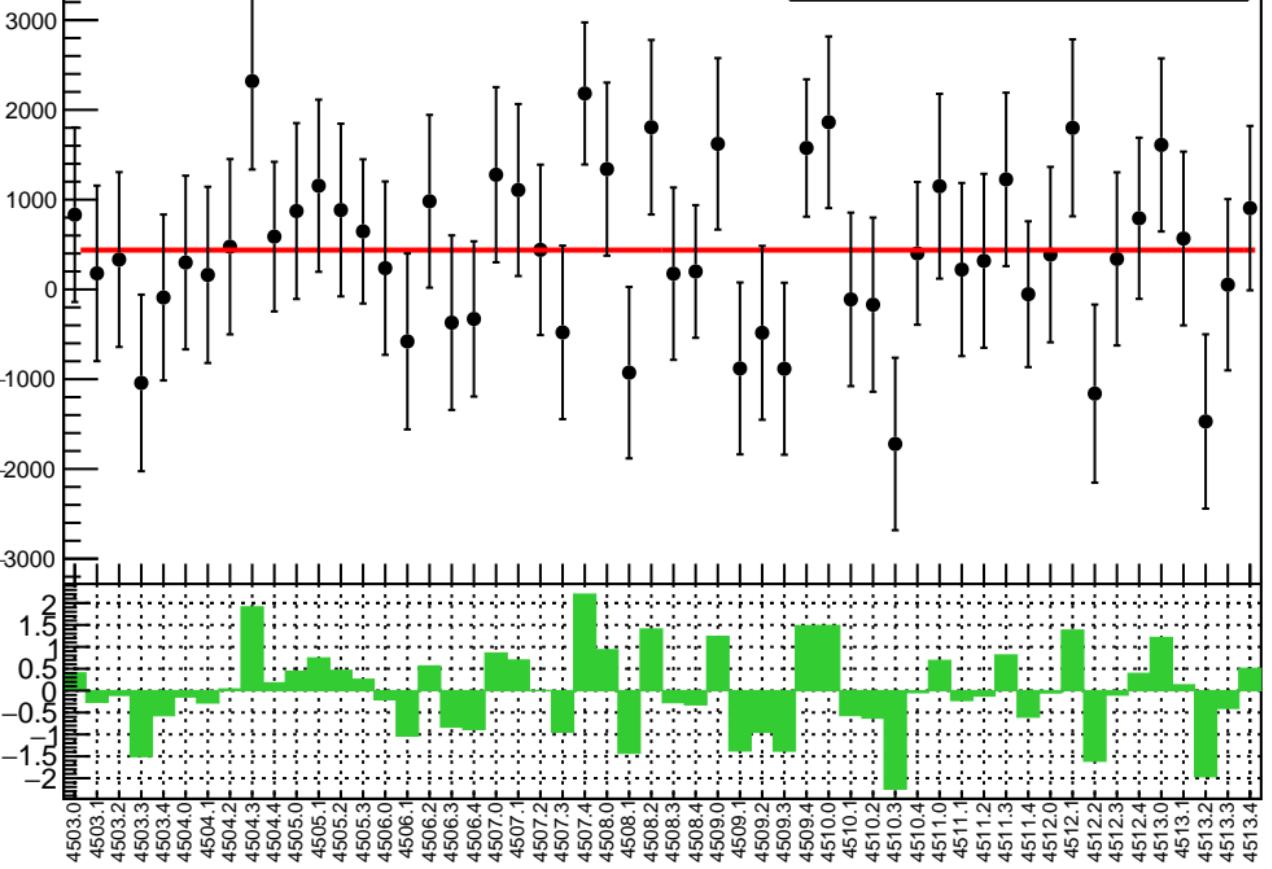
# corr\_Adet\_bpm8Y RMS (ppm)

RMS (ppm)

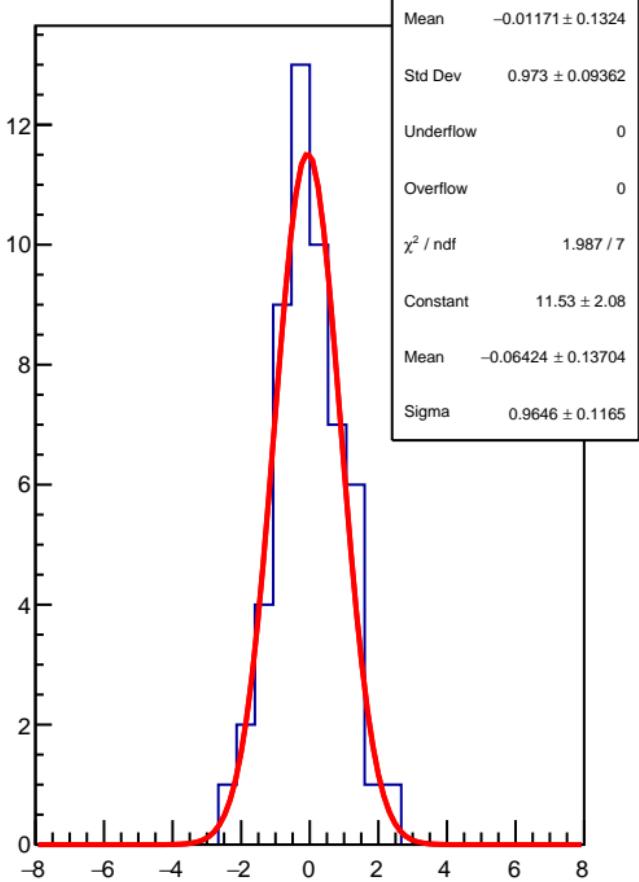


lagr\_asym\_us\_avg (ppb)

$\chi^2 / \text{ndf}$  51.13 / 53  
p0  $438.2 \pm 127.1$

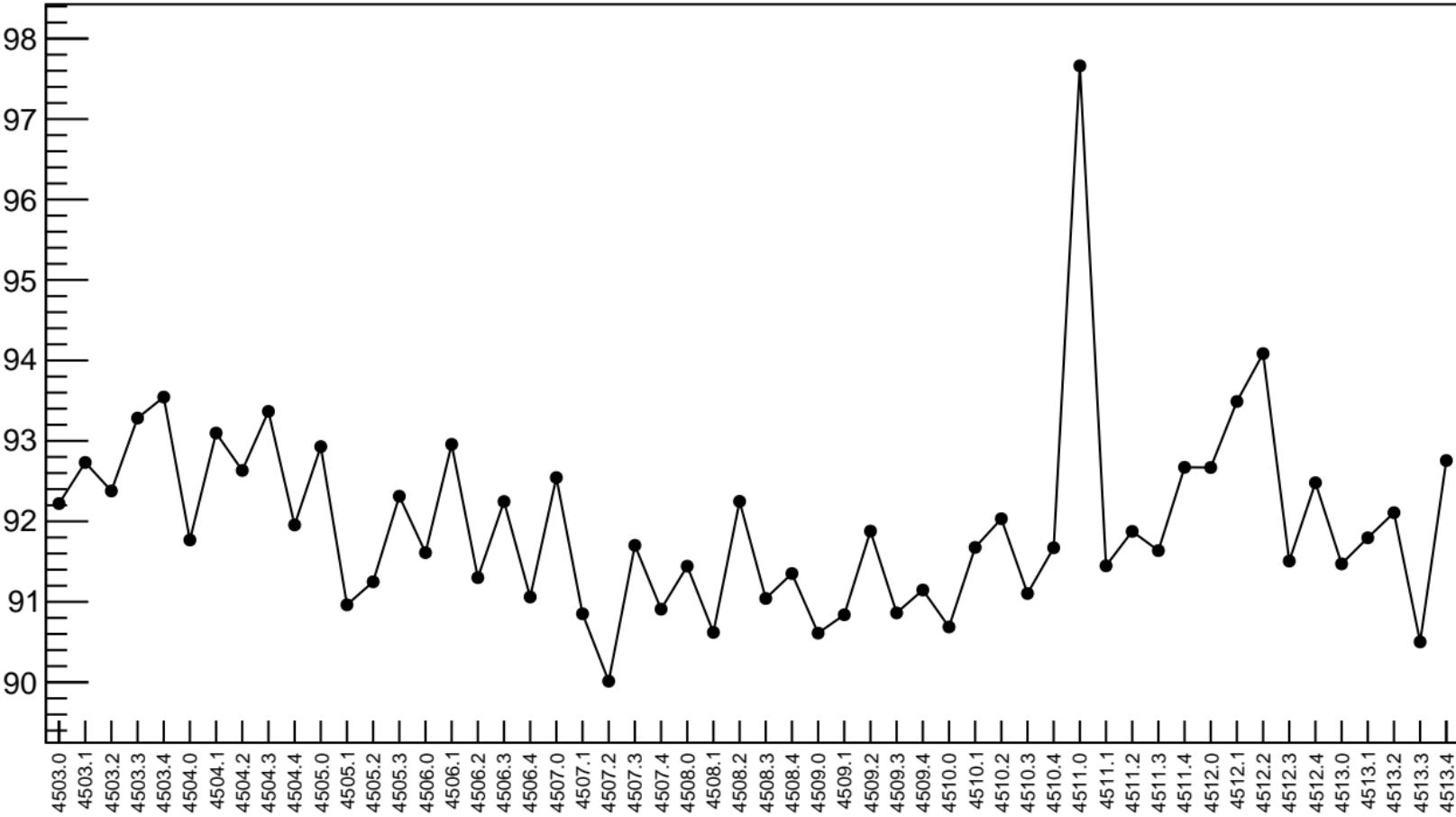


1D pull distribution

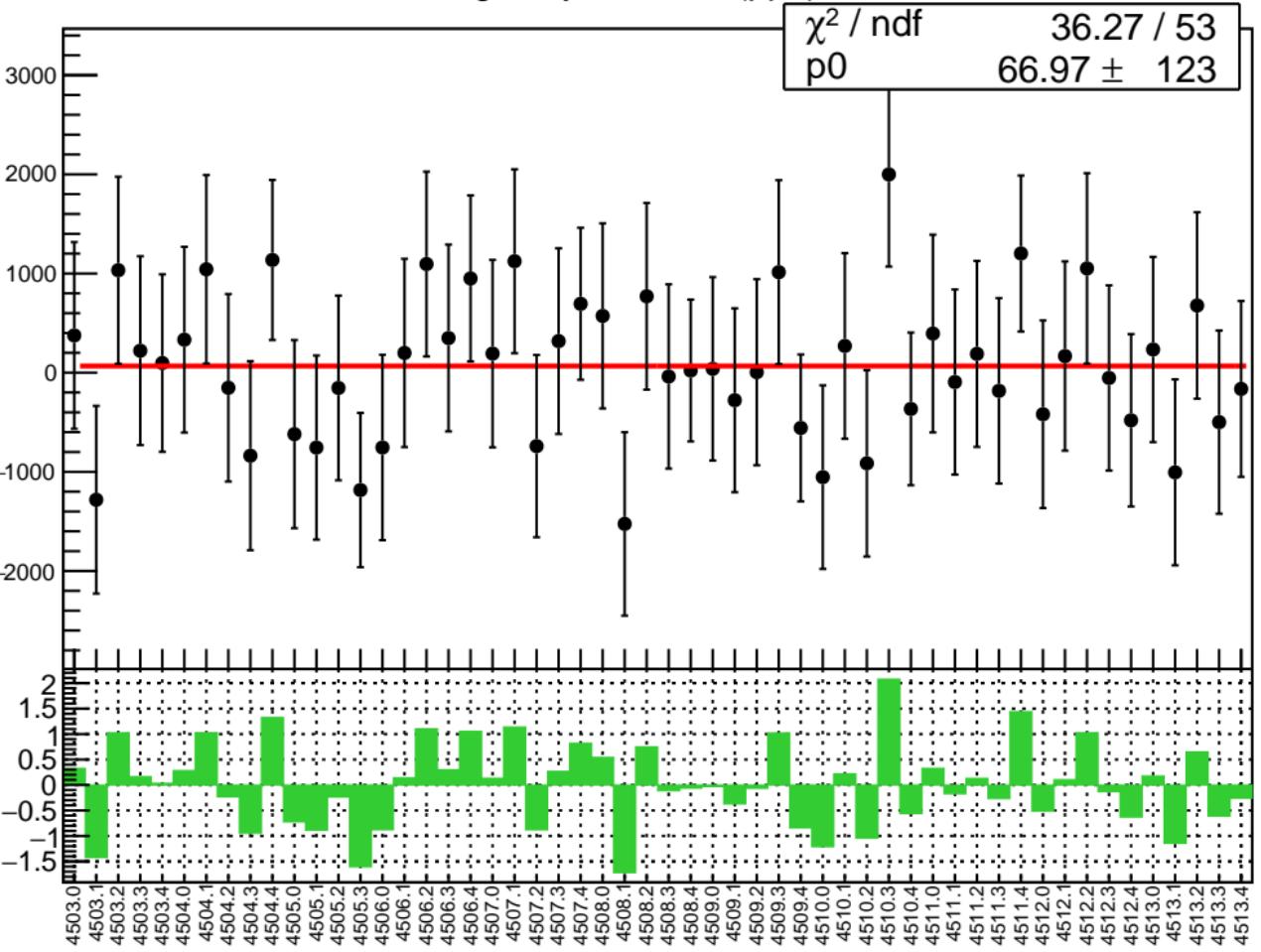


# lagr\_asym\_us\_avg RMS (ppm)

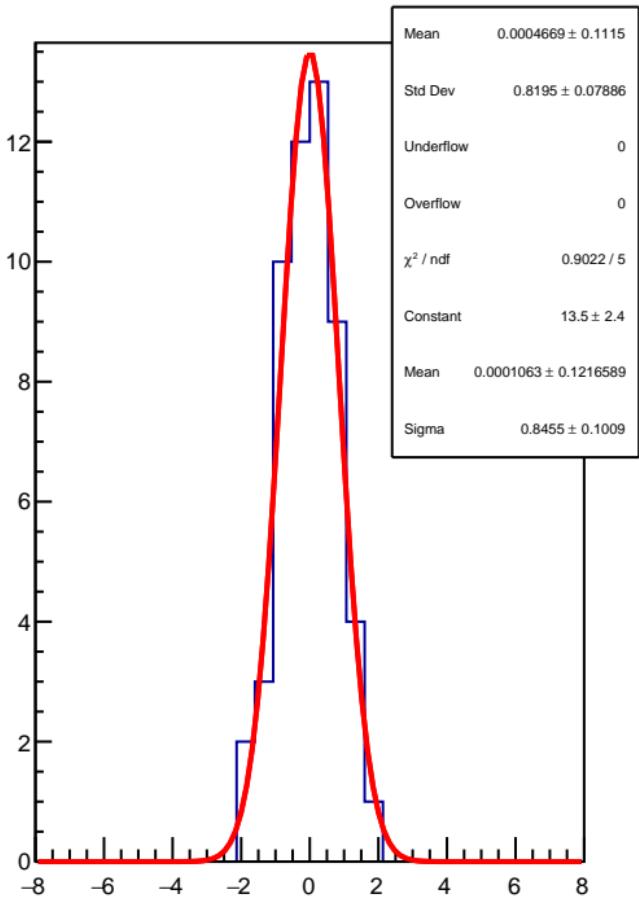
RMS (ppm)



lagr\_asym\_us\_dd (ppb)

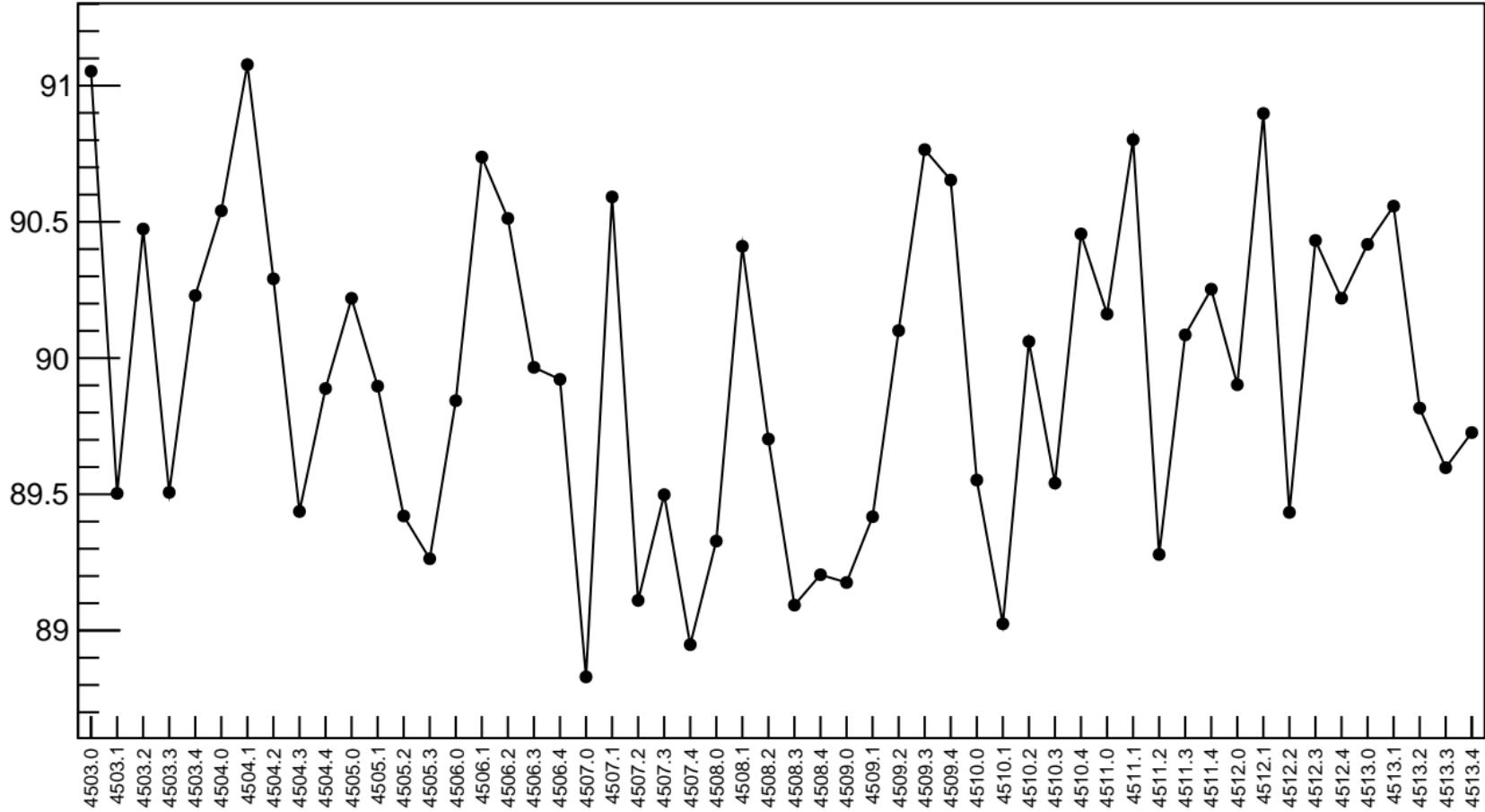


1D pull distribution

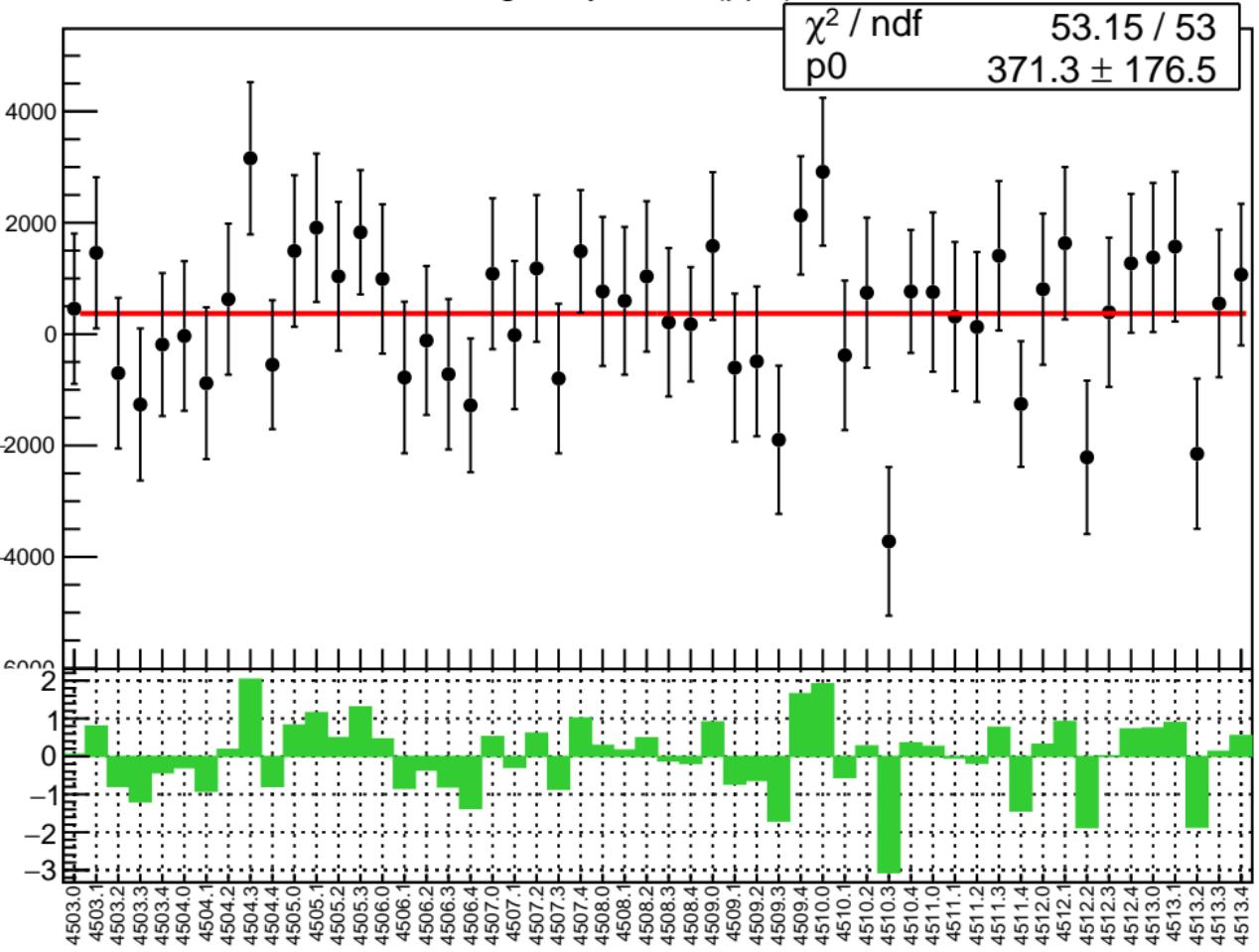


# lagr\_asym\_us\_dd RMS (ppm)

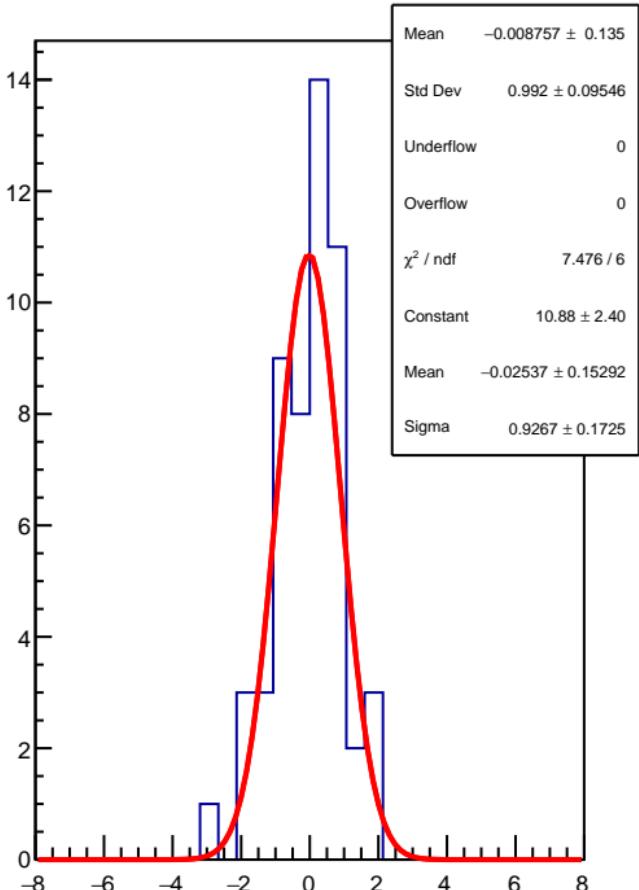
RMS (ppm)



lagr\_asym\_usr (ppb)

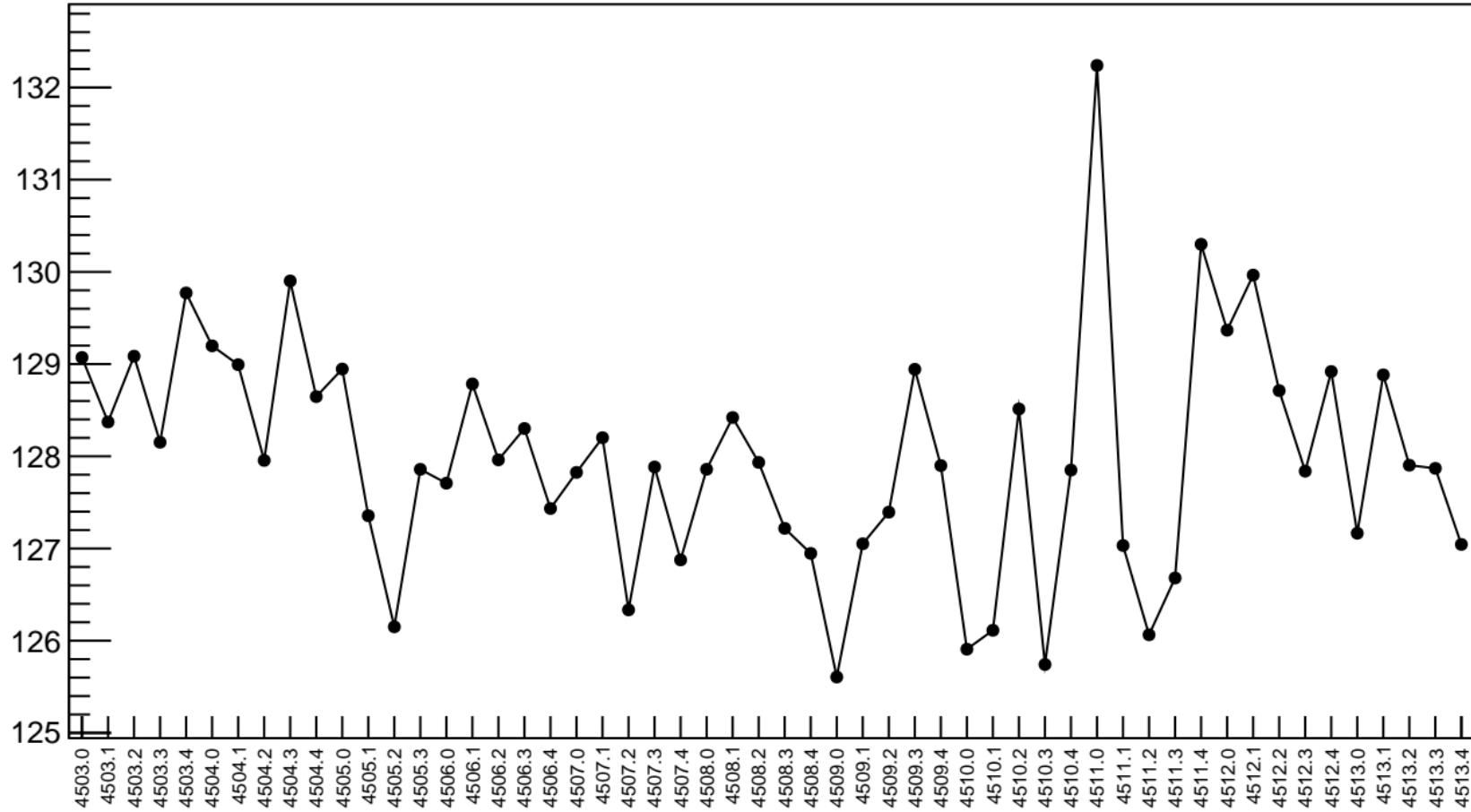


1D pull distribution



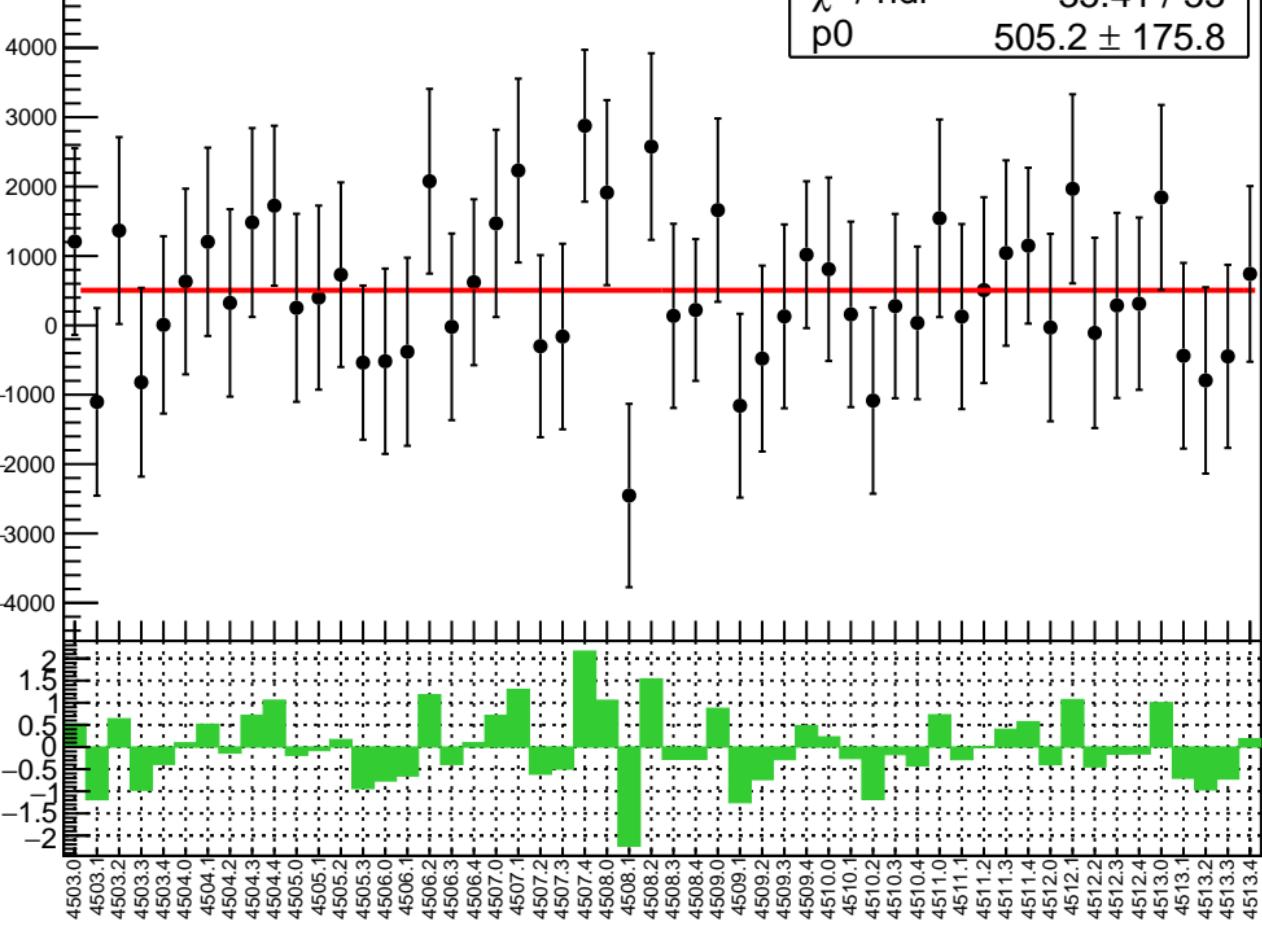
# lagr\_asym\_usr RMS (ppm)

RMS (ppm)

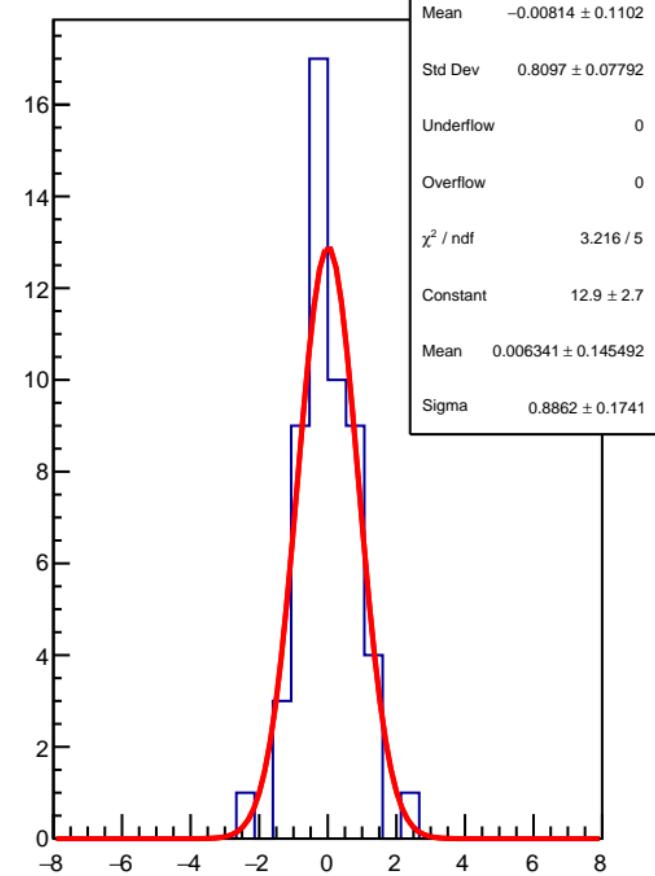


lagr\_asym\_usl (ppb)

$\chi^2 / \text{ndf}$  35.41 / 53  
p0  $505.2 \pm 175.8$

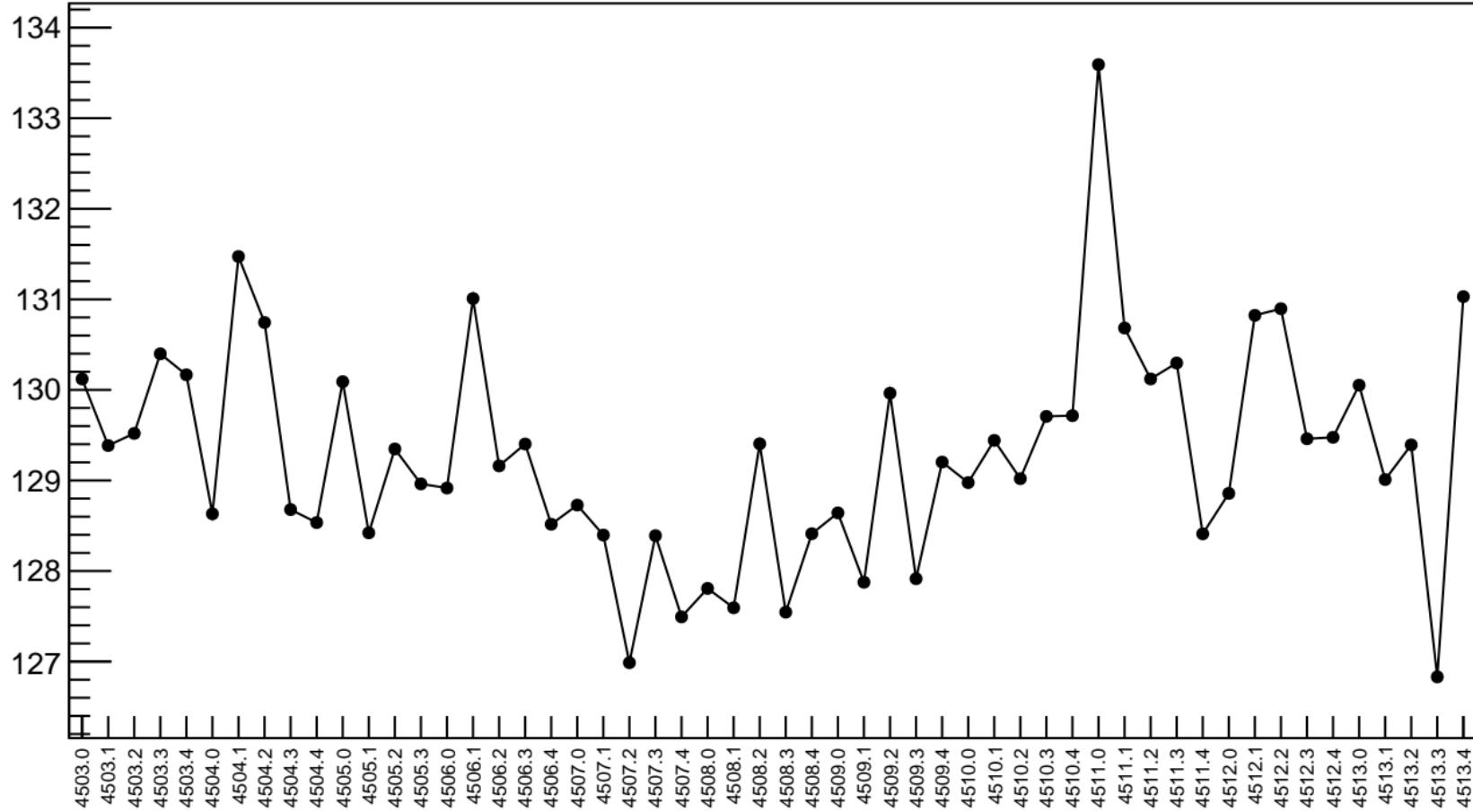


1D pull distribution



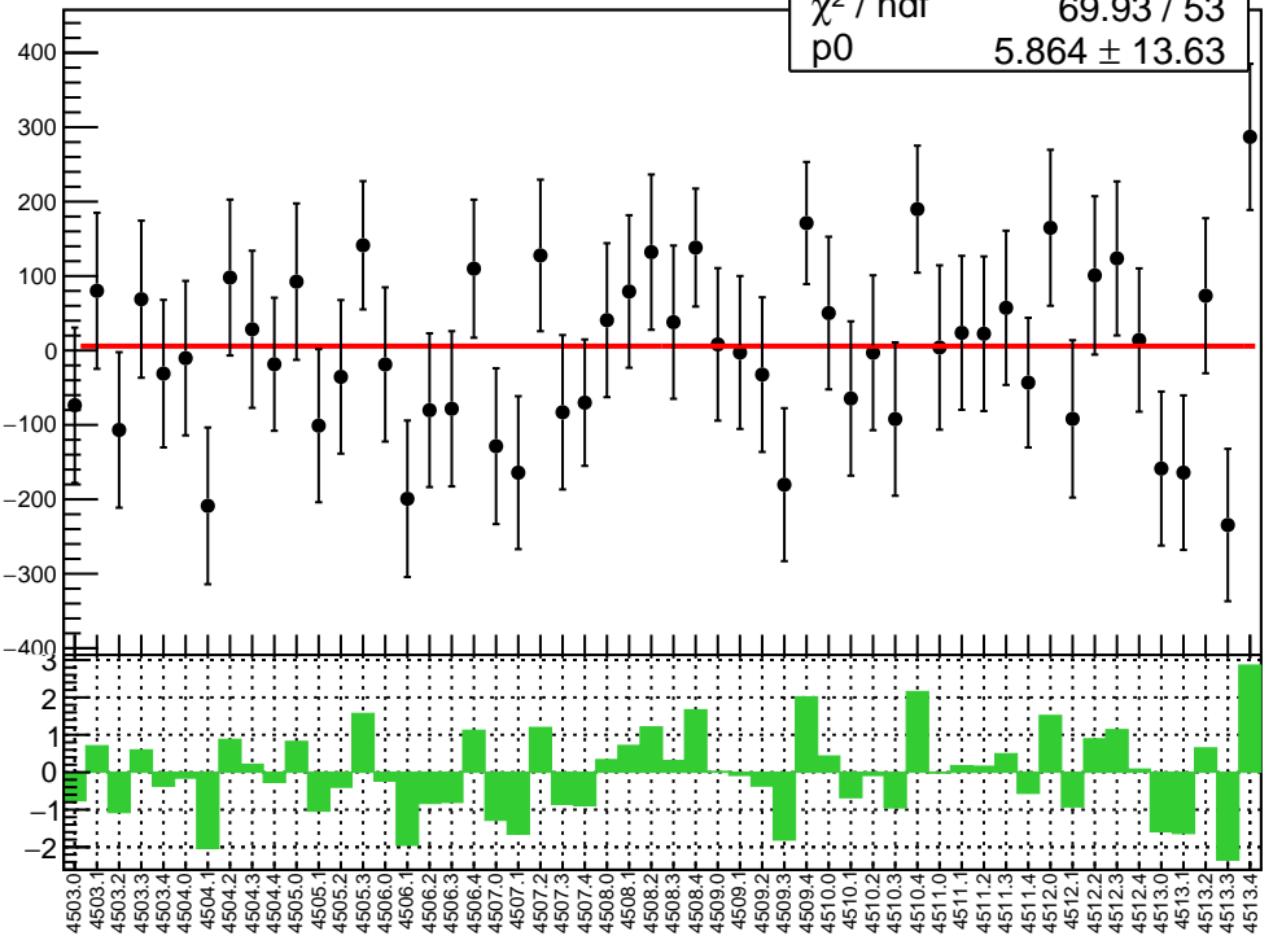
# lagr\_asym\_usl RMS (ppm)

RMS (ppm)

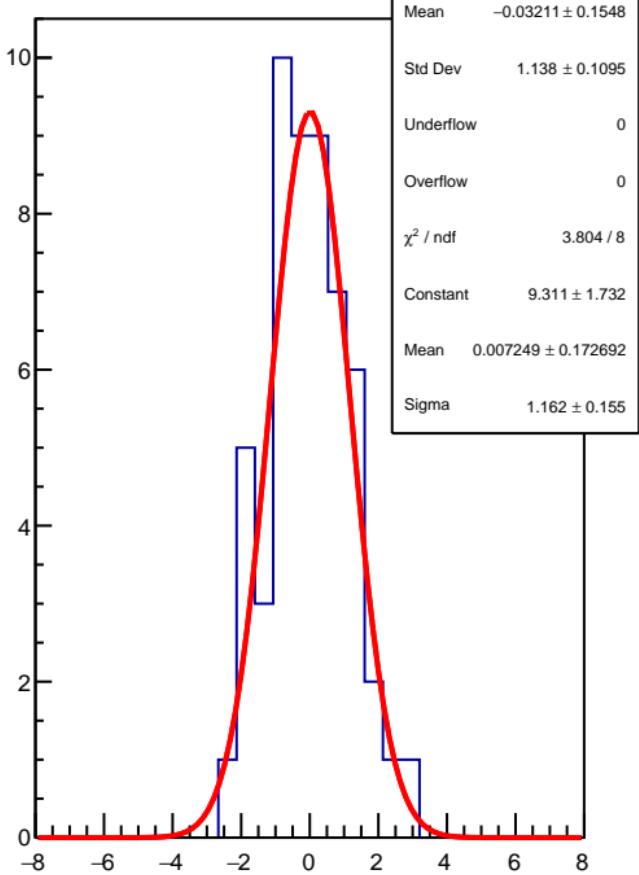


diff\_bpm4eX (nm)

$\chi^2 / \text{ndf}$  69.93 / 53  
p0  $5.864 \pm 13.63$

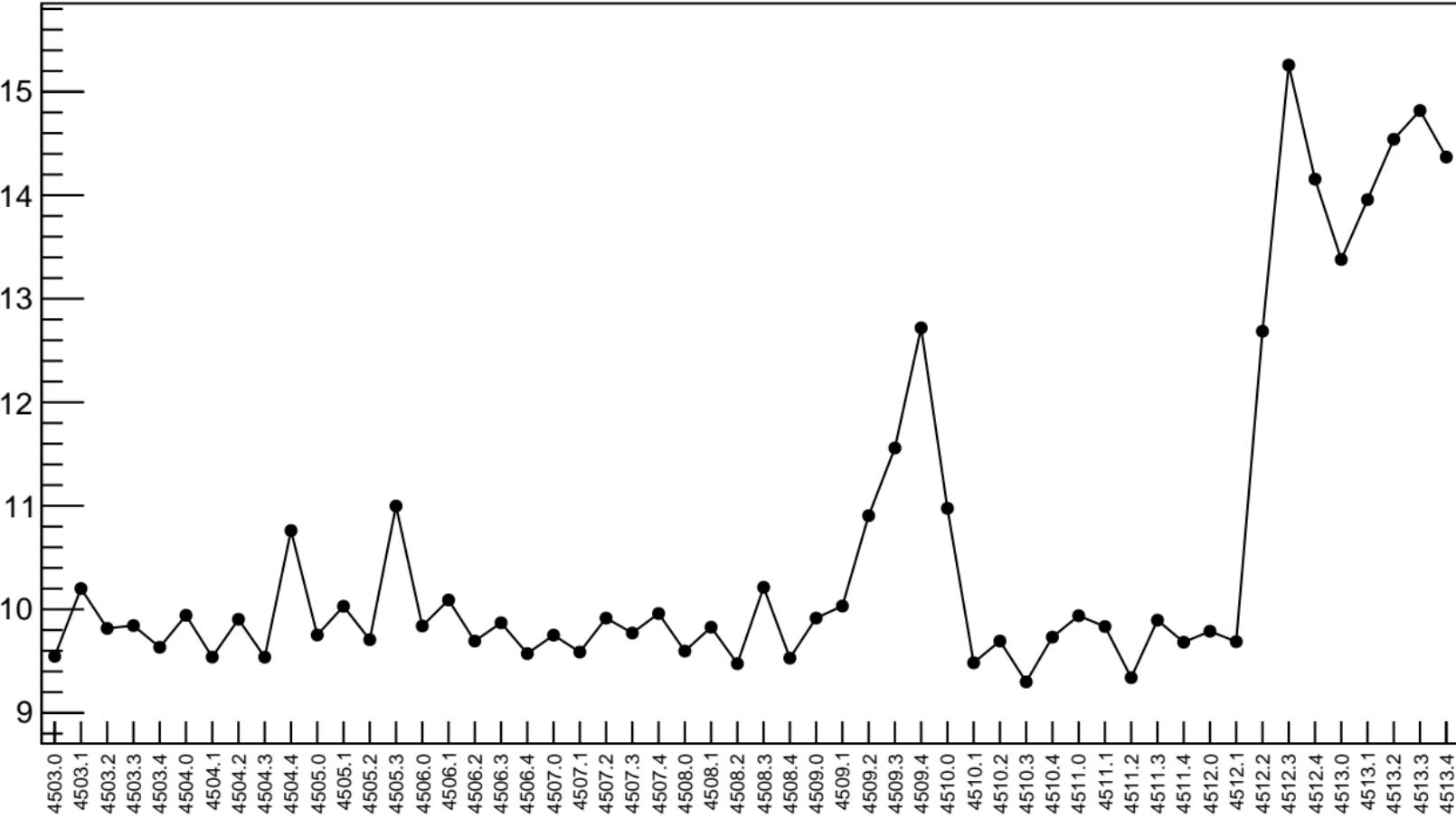


1D pull distribution



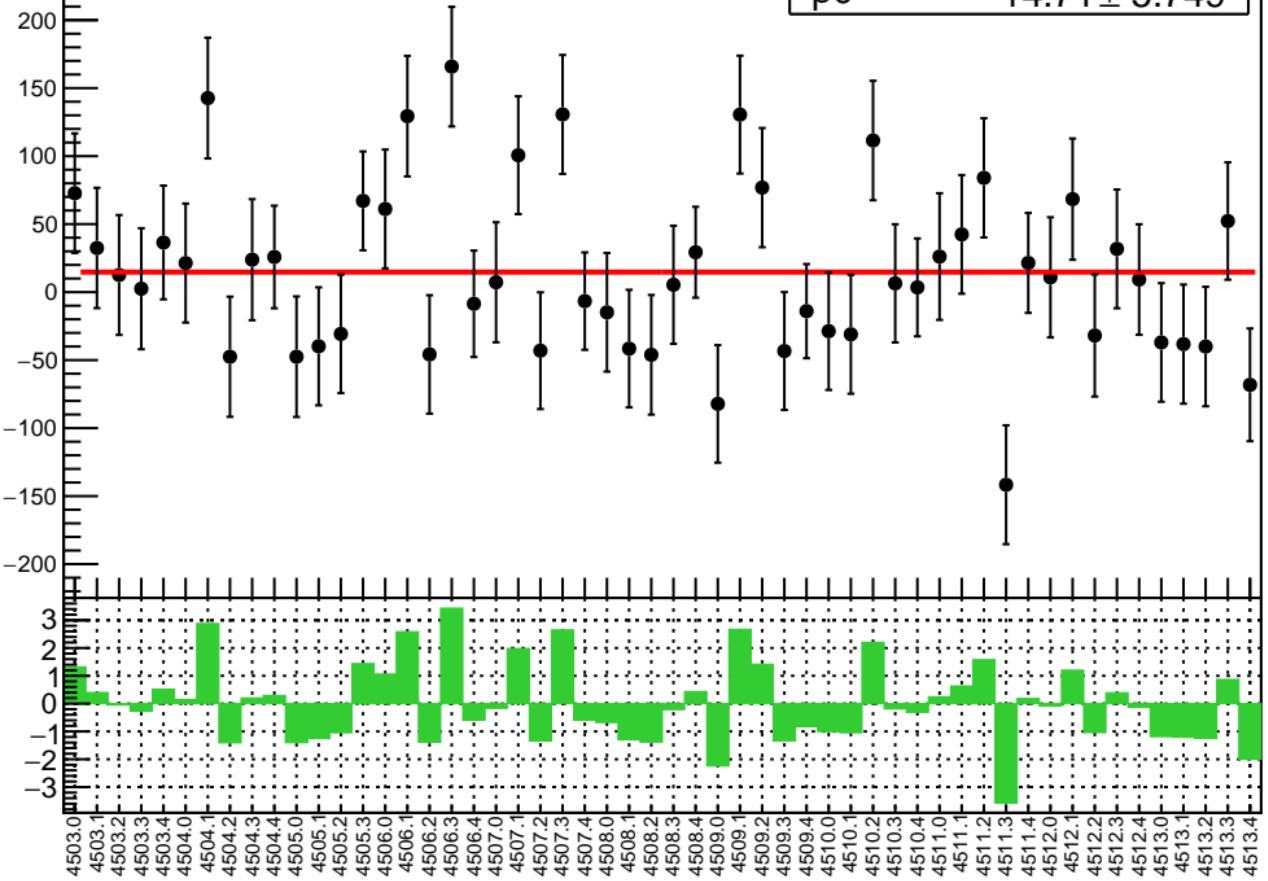
# diff\_bpm4eX RMS (um)

RMS (um)

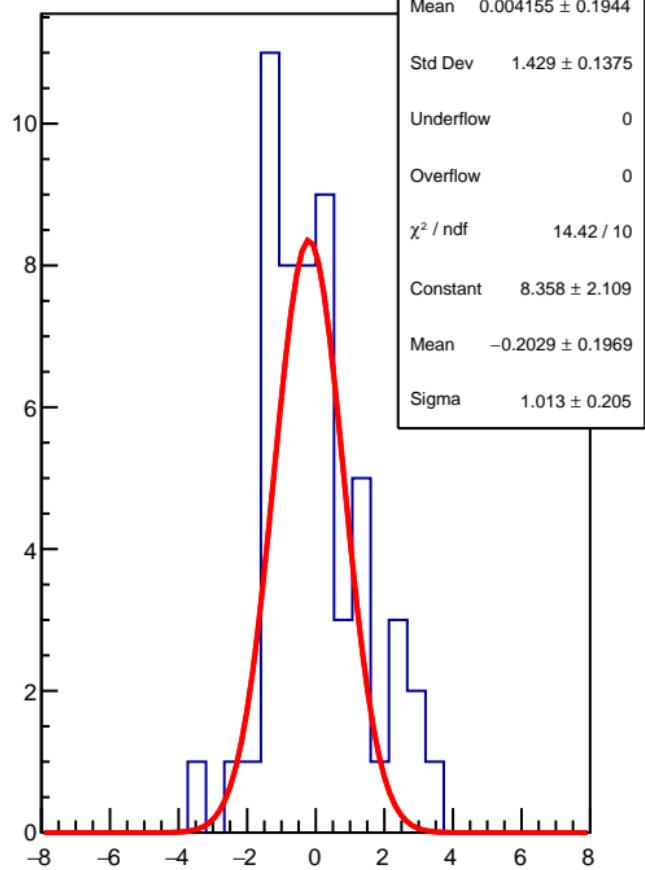


diff\_bpm4eY (nm)

$\chi^2 / \text{ndf}$  110.2 / 53  
p0  $14.71 \pm 5.749$

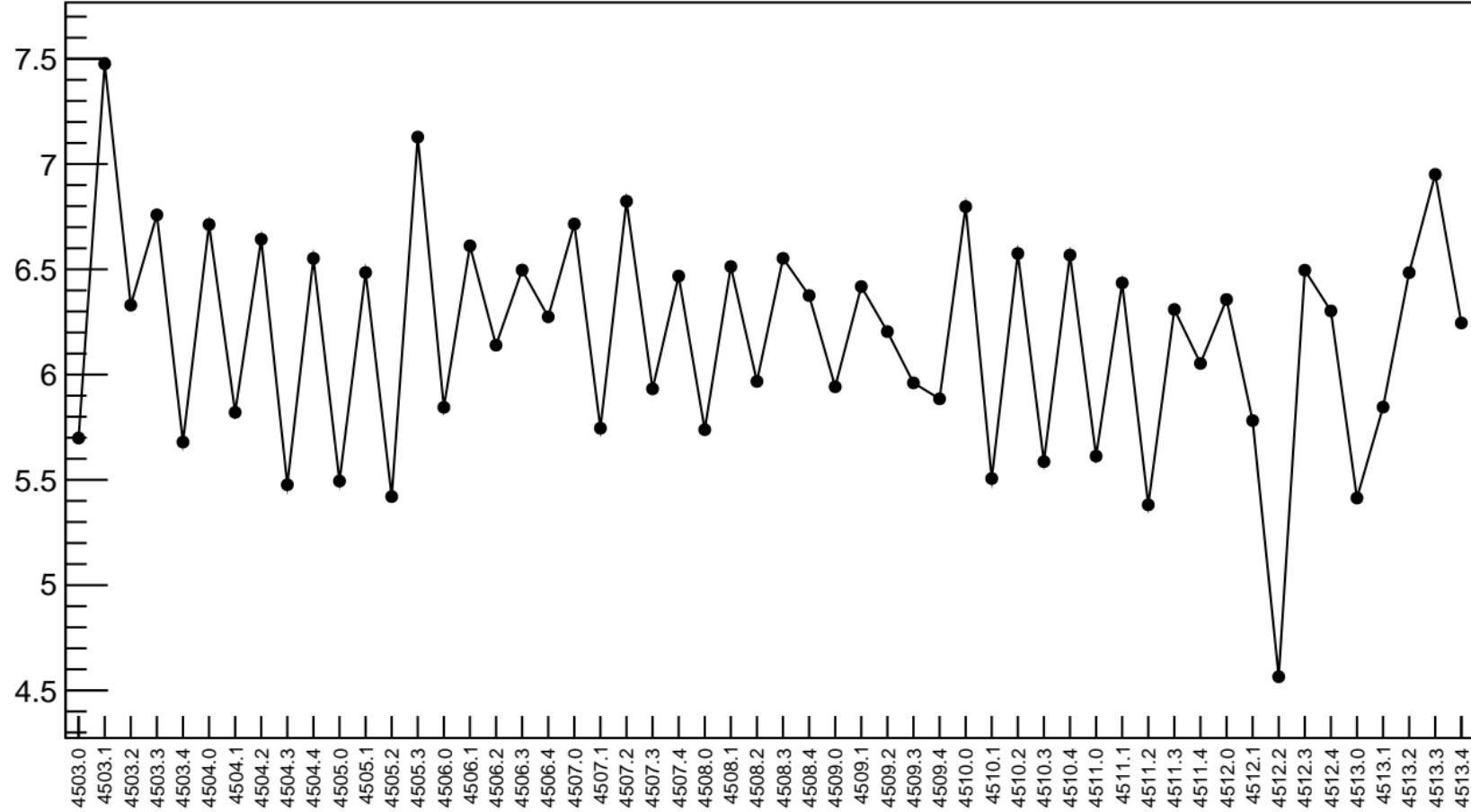


1D pull distribution

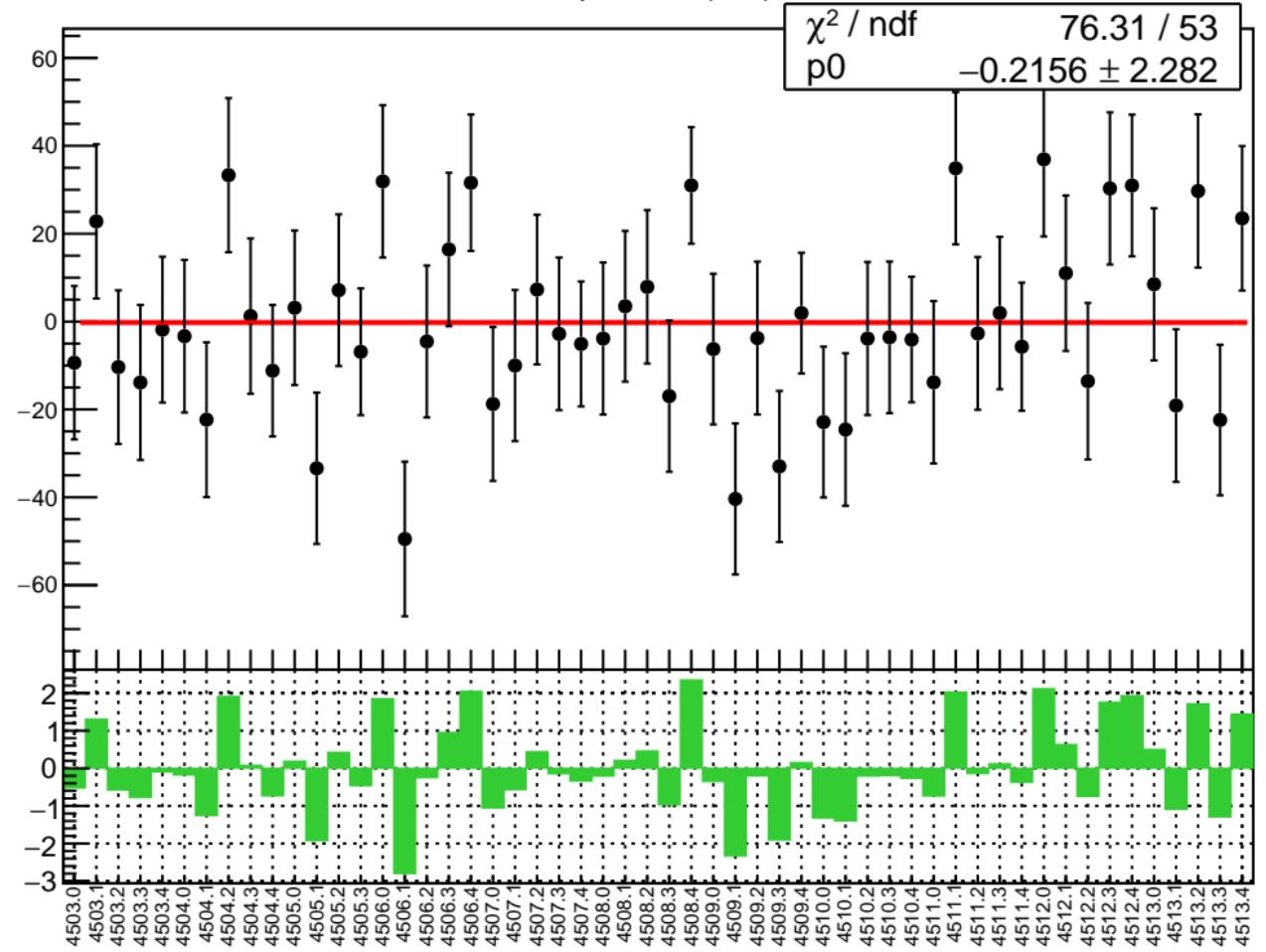


# diff\_bpm4eY RMS (um)

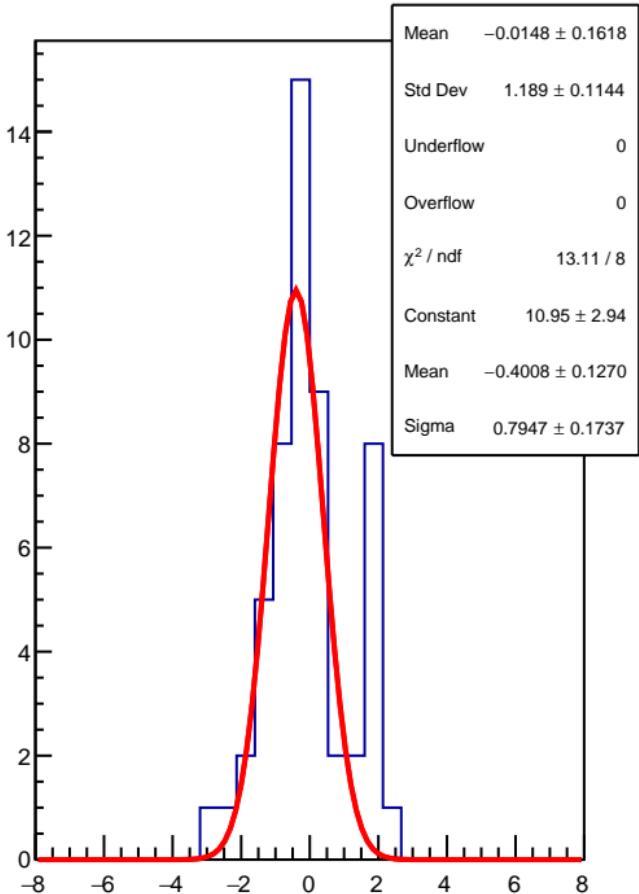
RMS (um)



diff\_bpm4aX (nm)

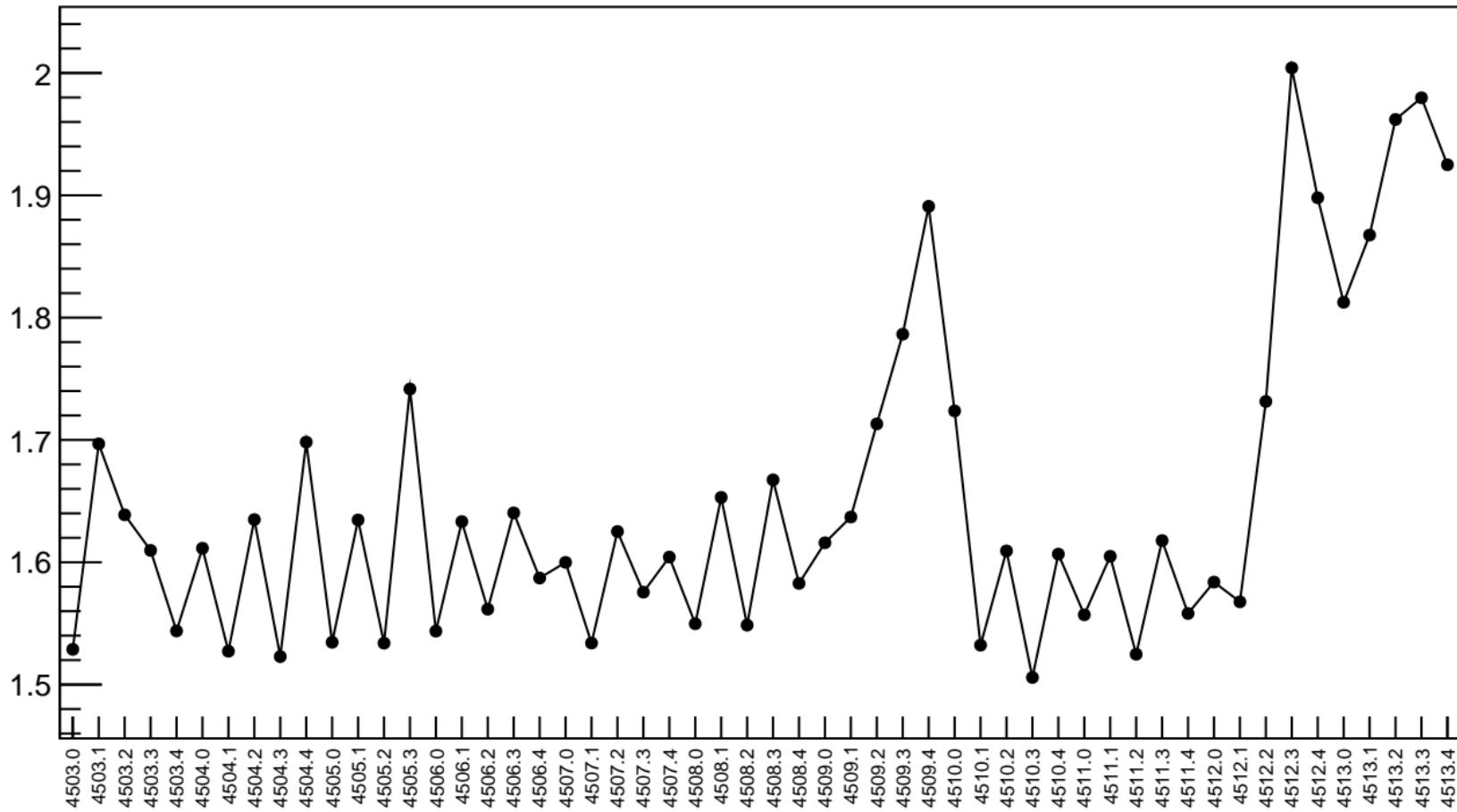


1D pull distribution



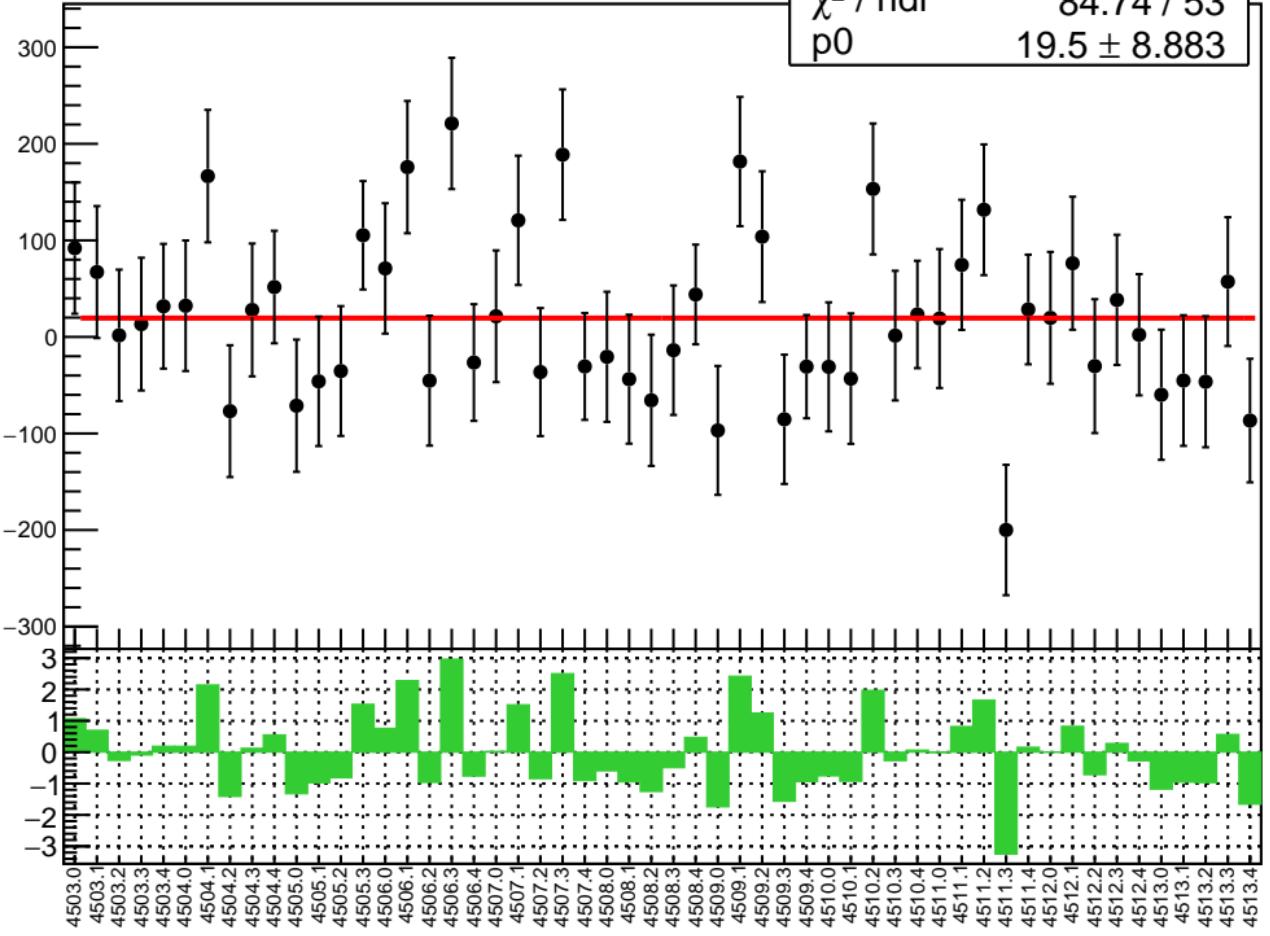
# diff\_bpm4aX RMS (um)

RMS (um)

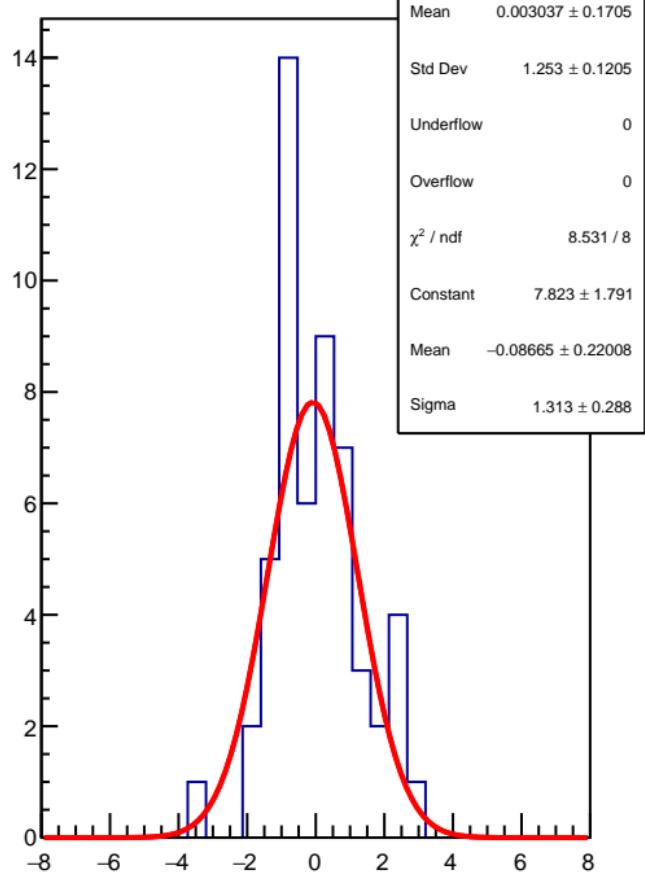


diff\_bpm4aY (nm)

$\chi^2 / \text{ndf}$  84.74 / 53  
p0  $19.5 \pm 8.883$

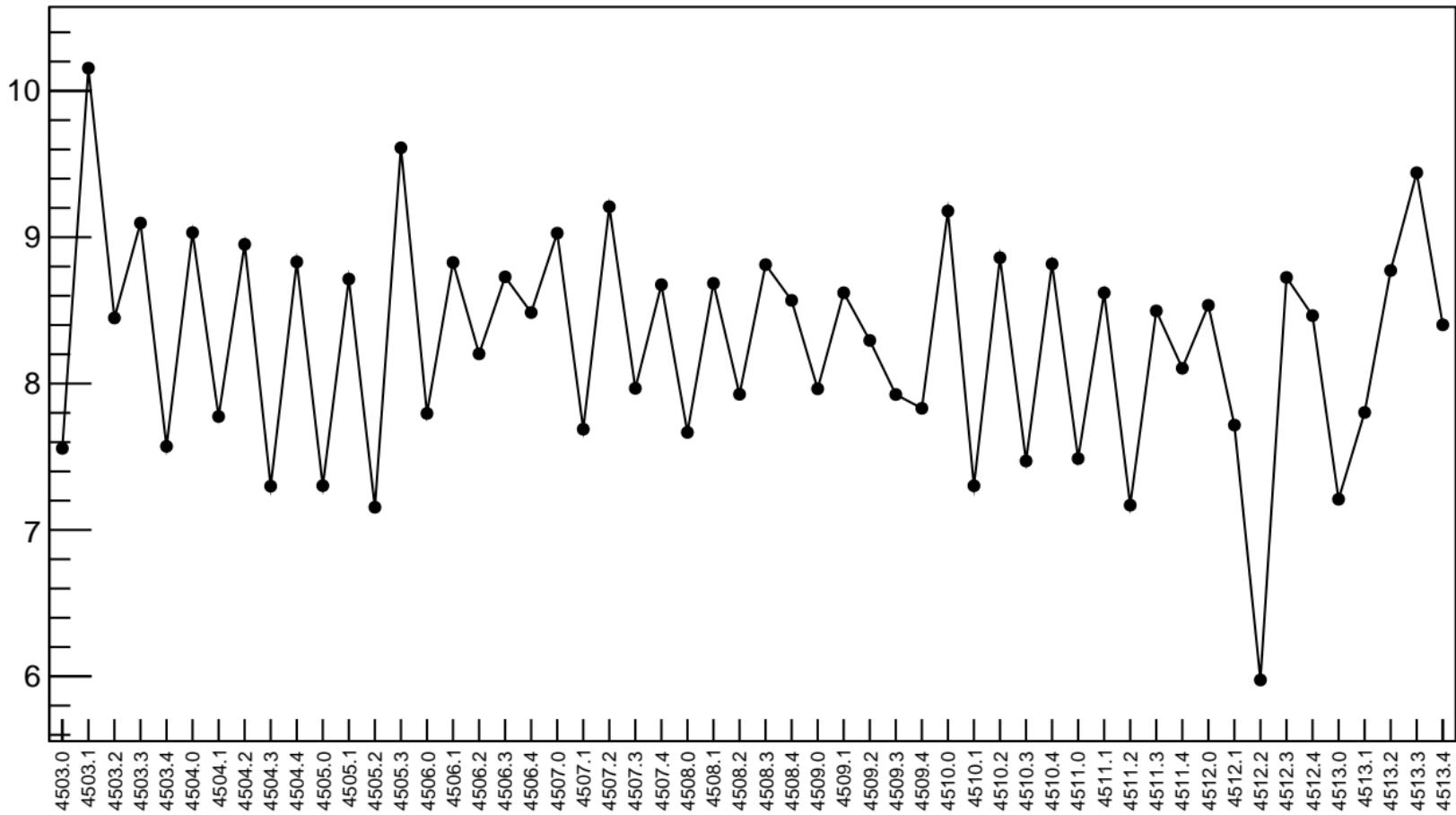


1D pull distribution



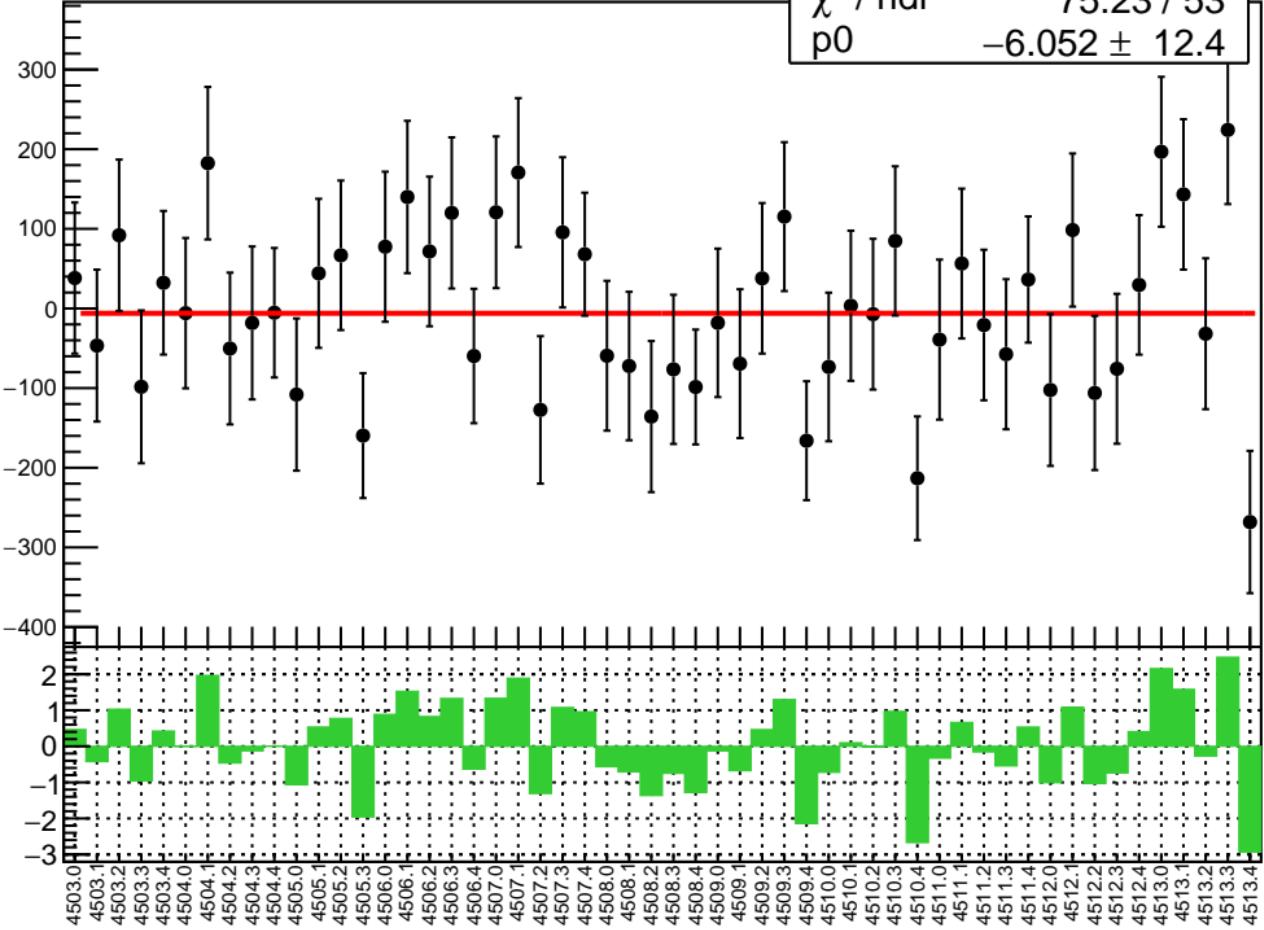
# diff\_bpm4aY RMS (um)

RMS (um)

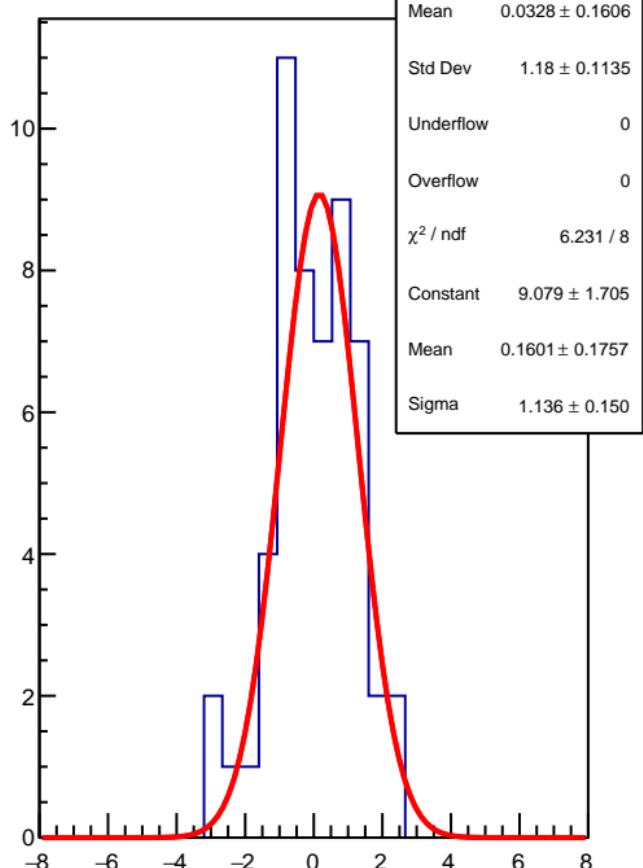


diff\_bpm1X (nm)

$\chi^2 / \text{ndf}$  75.23 / 53  
p0  $-6.052 \pm 12.4$

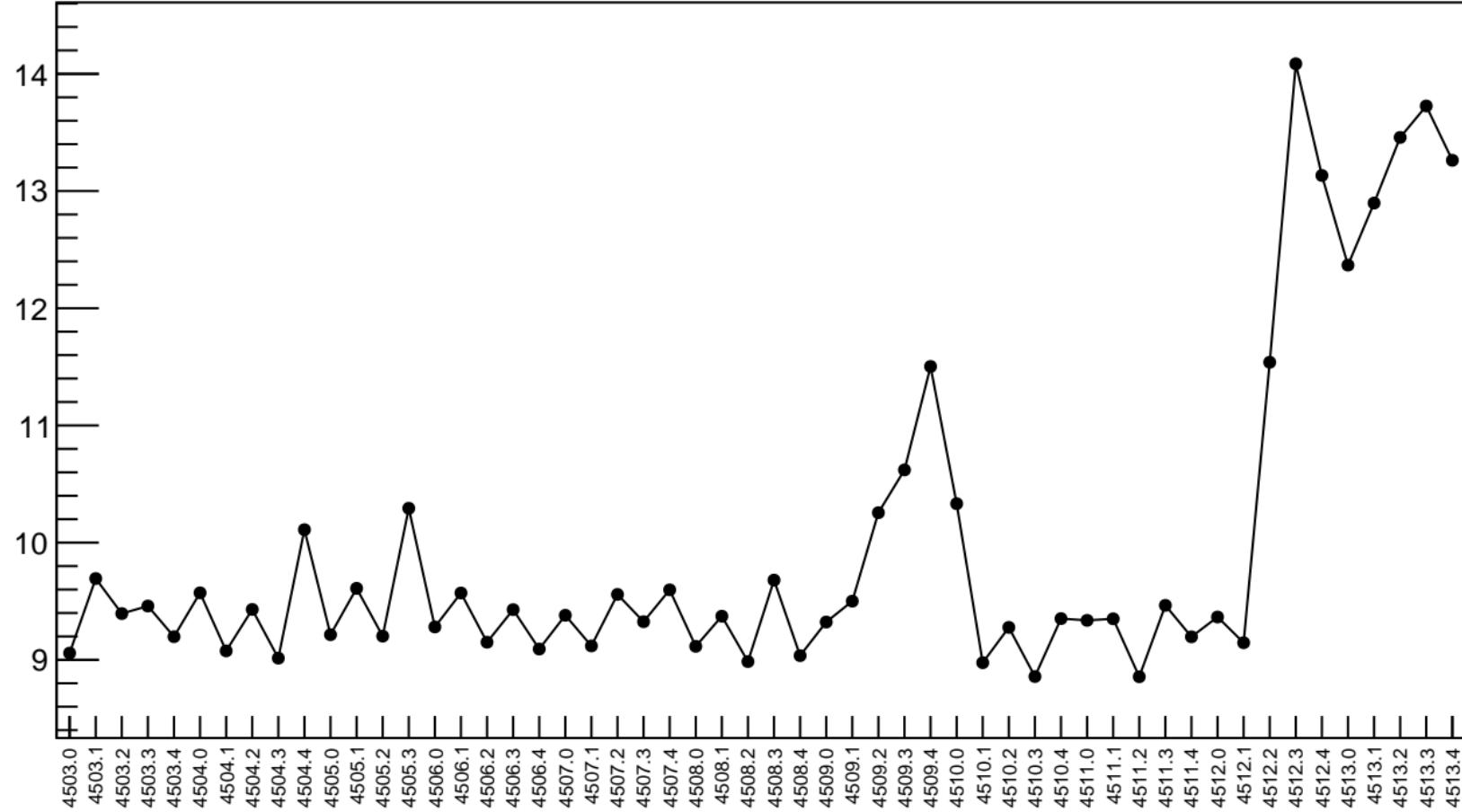


1D pull distribution



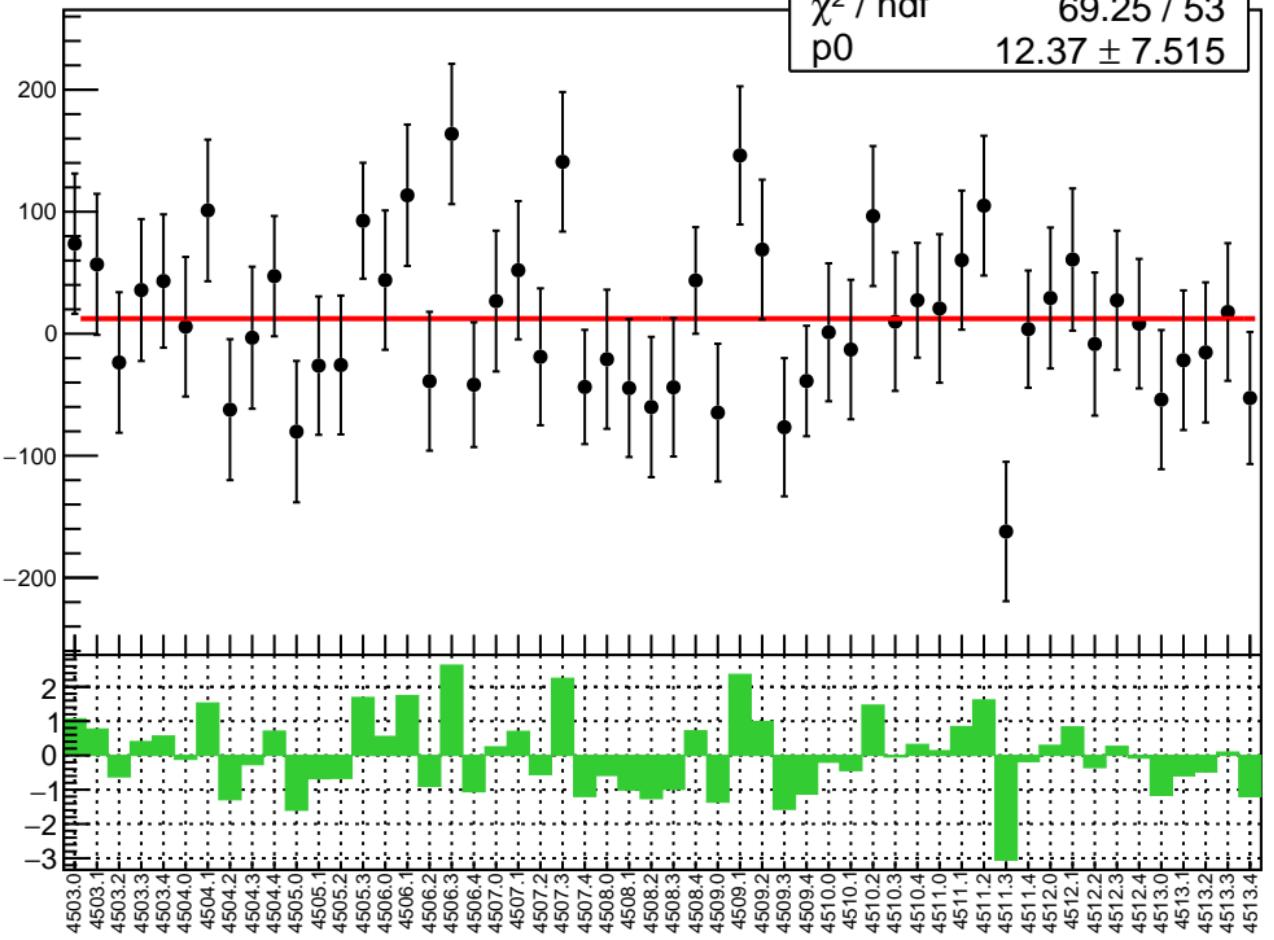
# diff\_bpm1X RMS (um)

RMS (um)

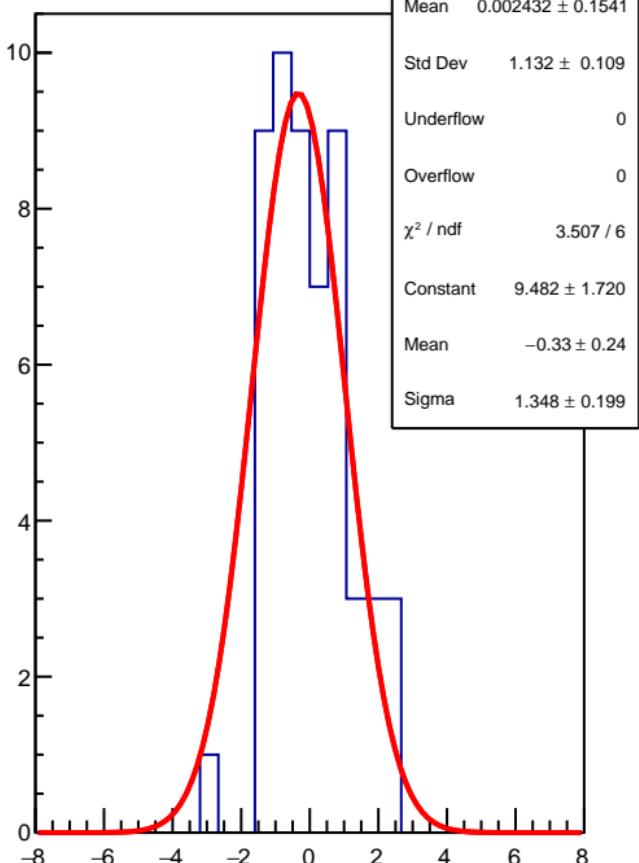


diff\_bpm1Y (nm)

$\chi^2 / \text{ndf}$  69.25 / 53  
p0  $12.37 \pm 7.515$

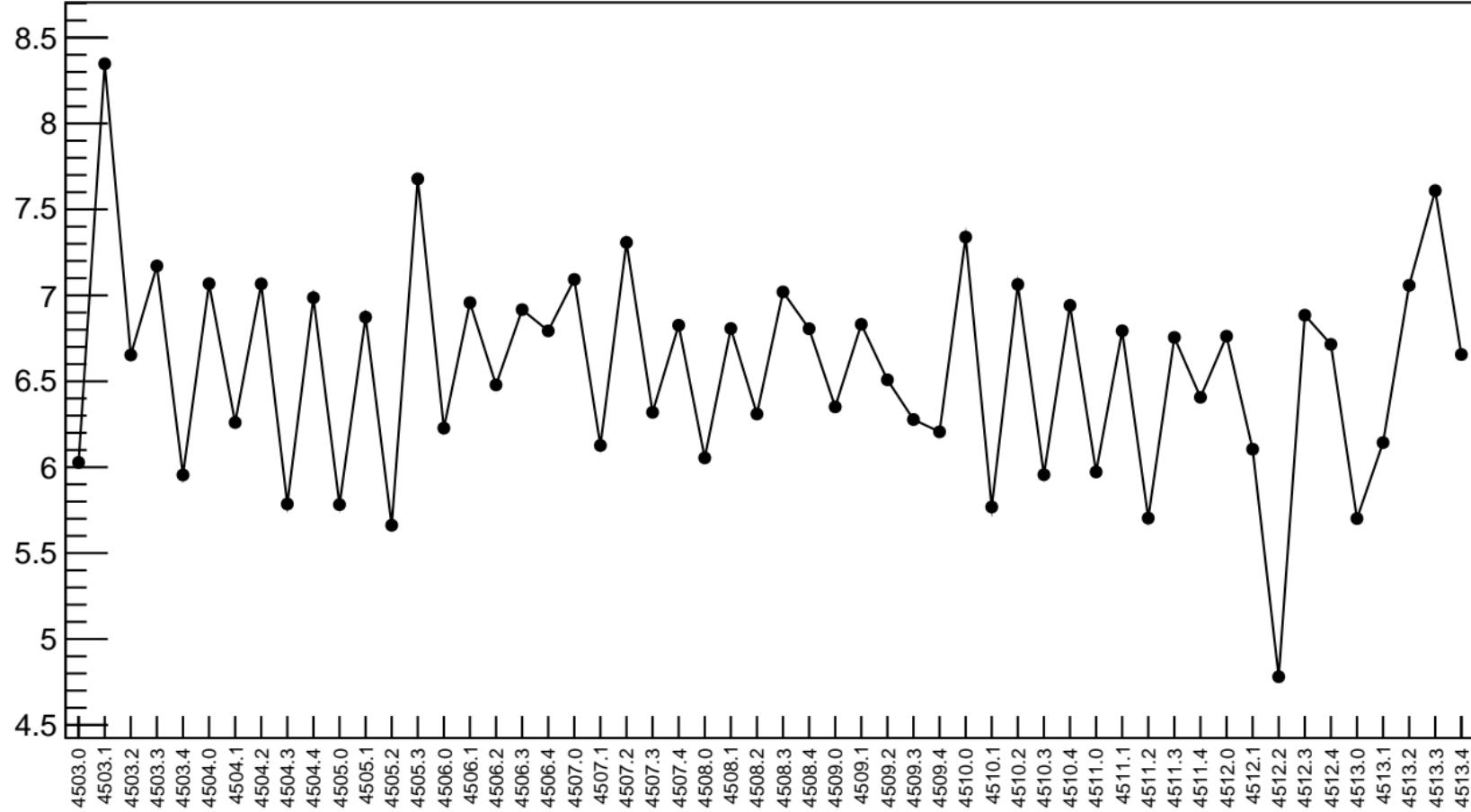


1D pull distribution

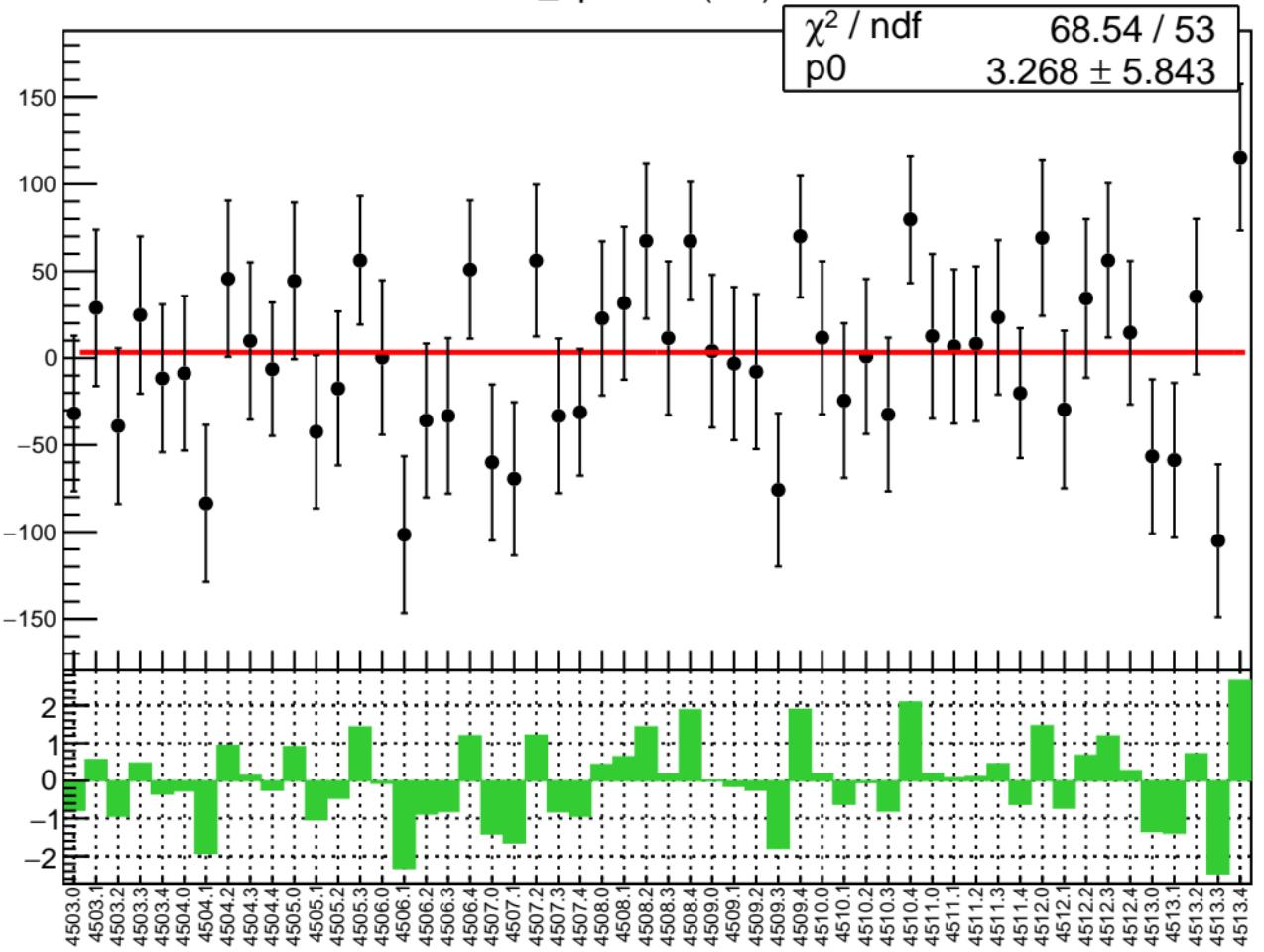


# diff\_bpm1Y RMS (um)

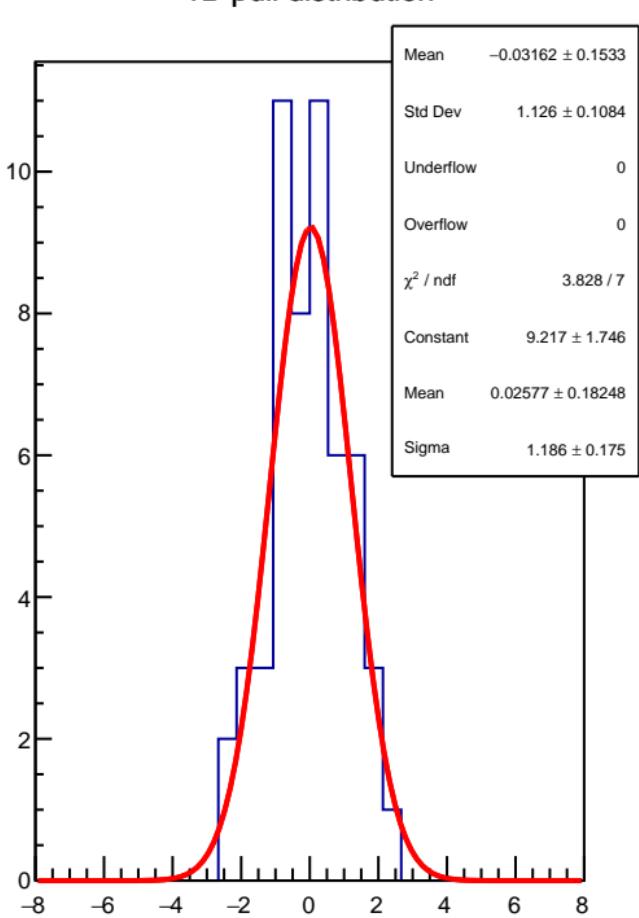
RMS (um)



diff\_bpm16X (nm)

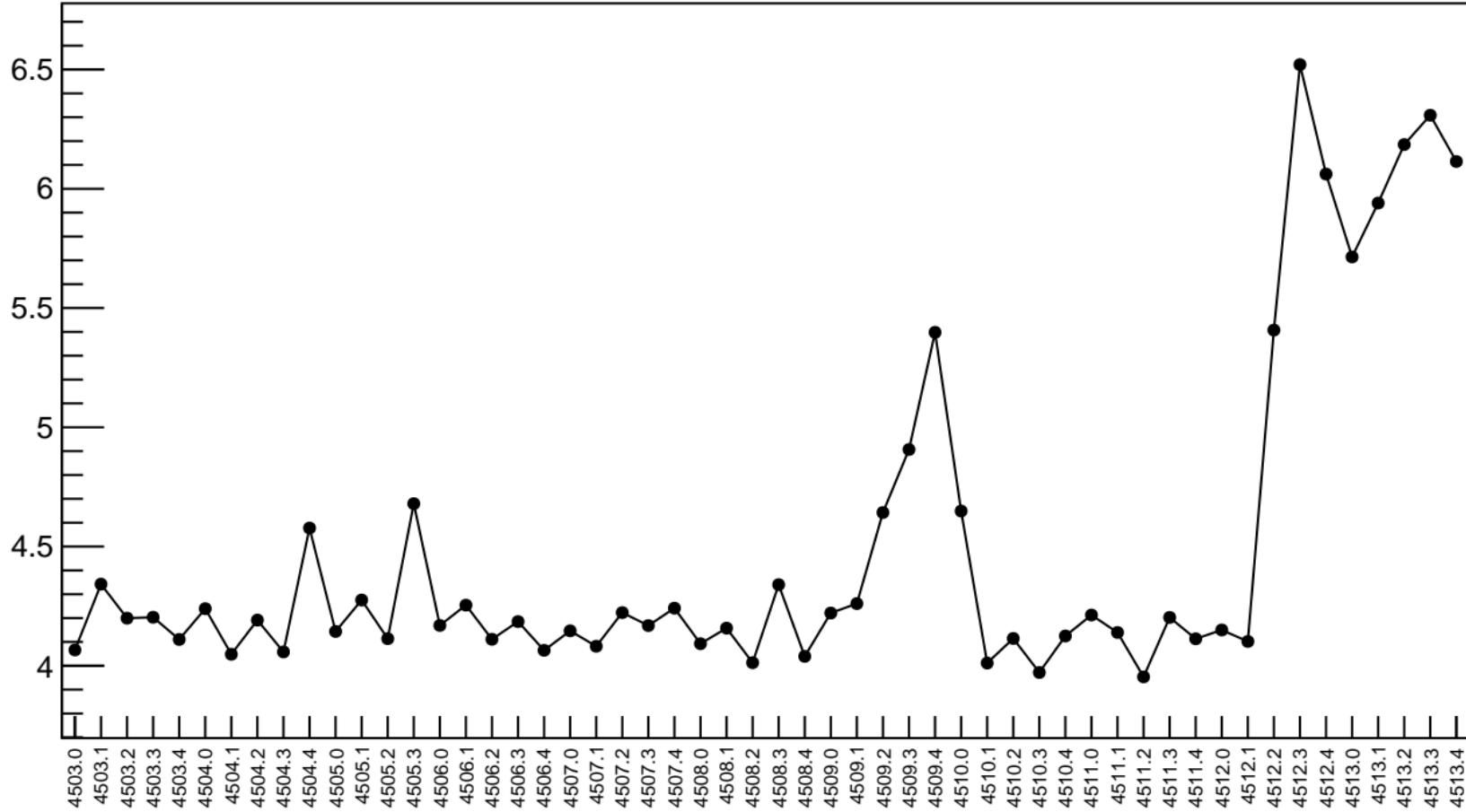


1D pull distribution

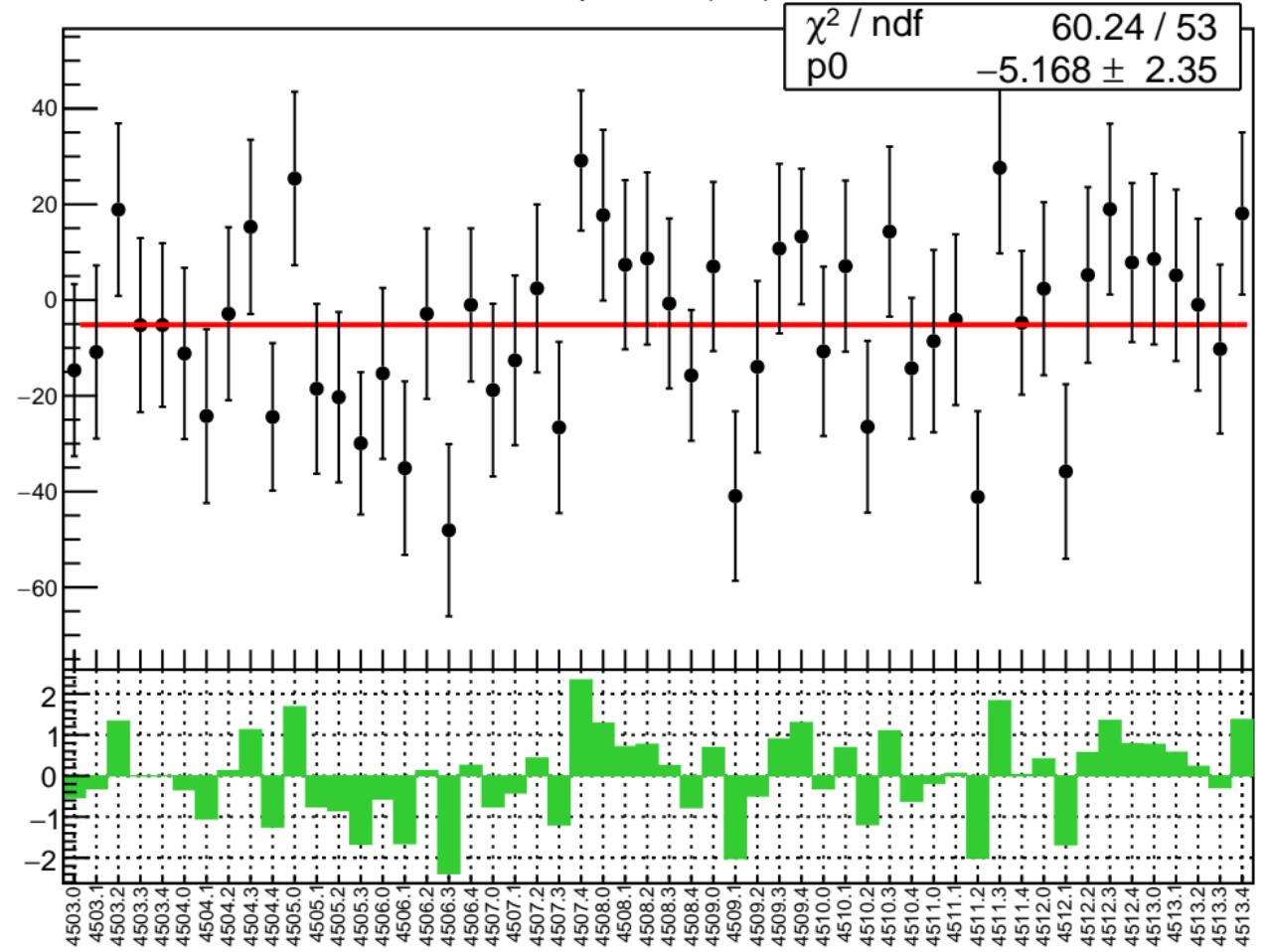


# diff\_bpm16X RMS (um)

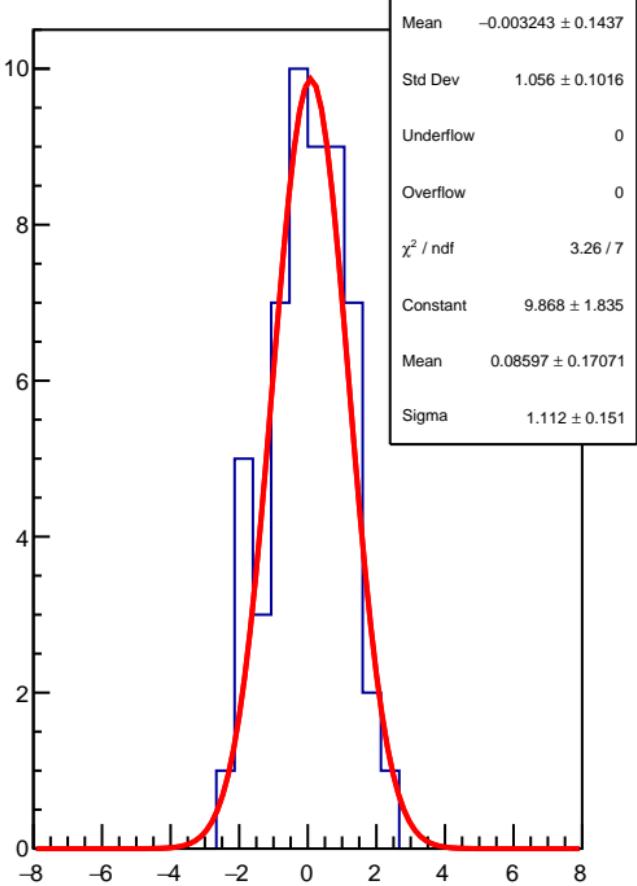
RMS (um)



diff\_bpm16Y (nm)

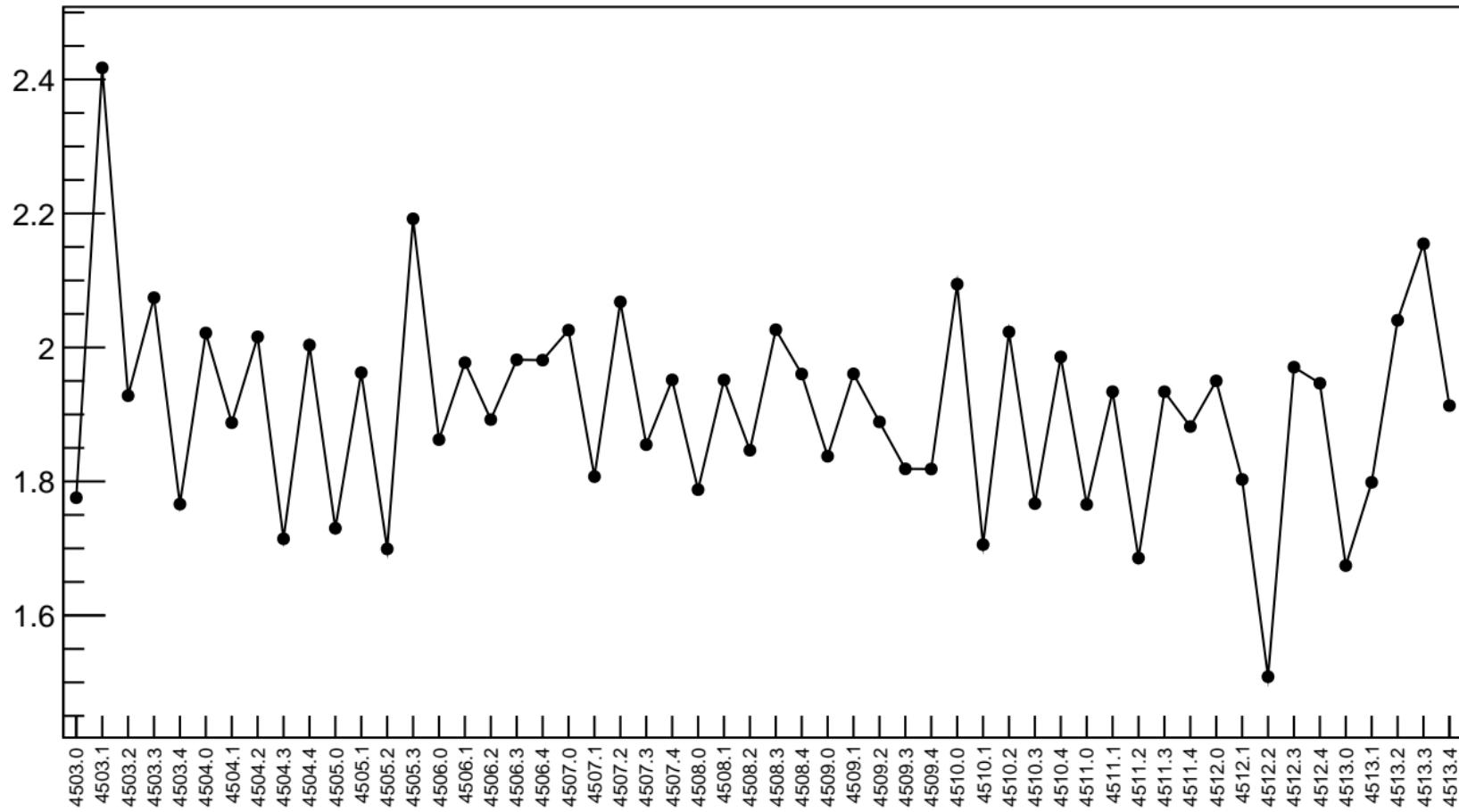


1D pull distribution

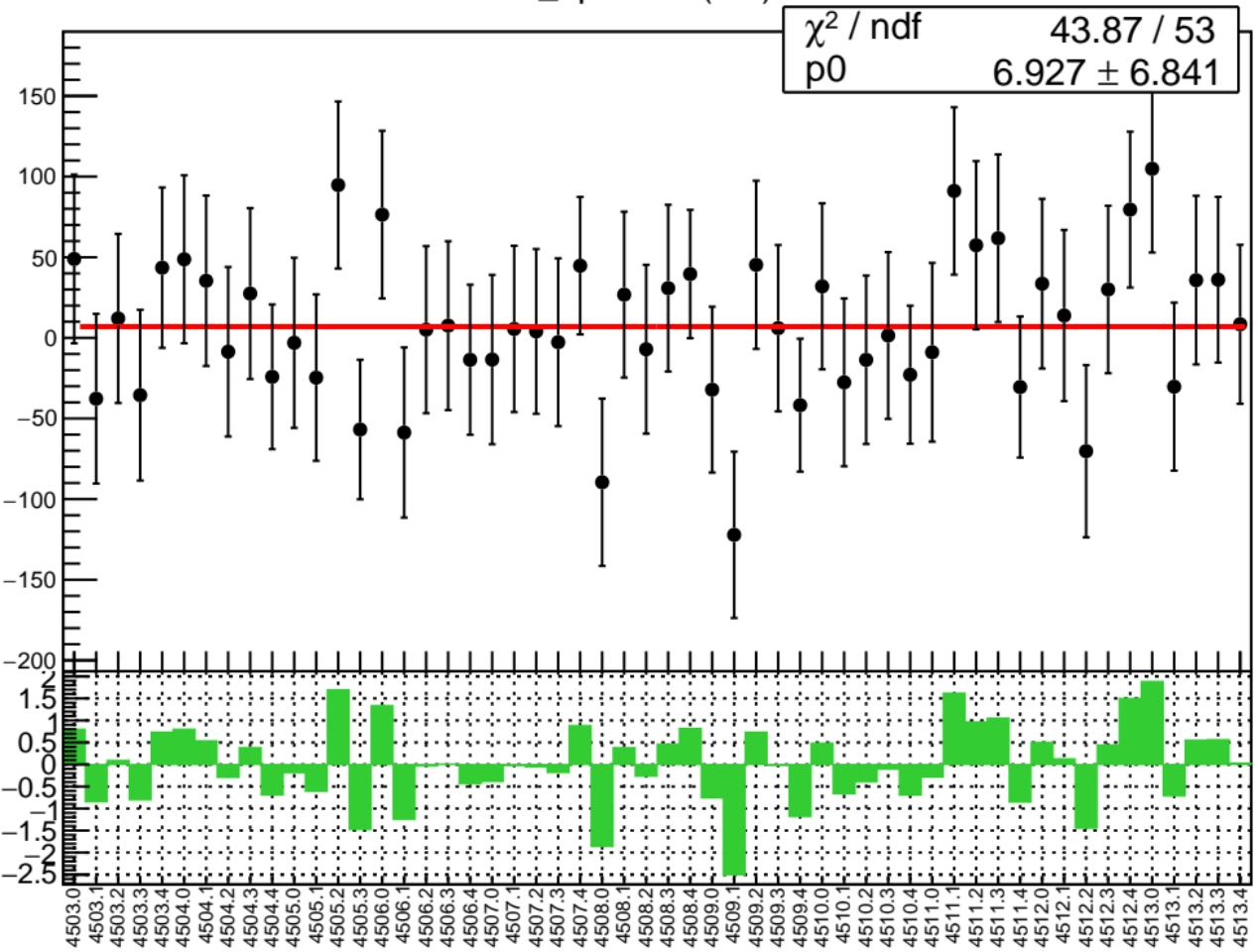


# diff\_bpm16Y RMS (um)

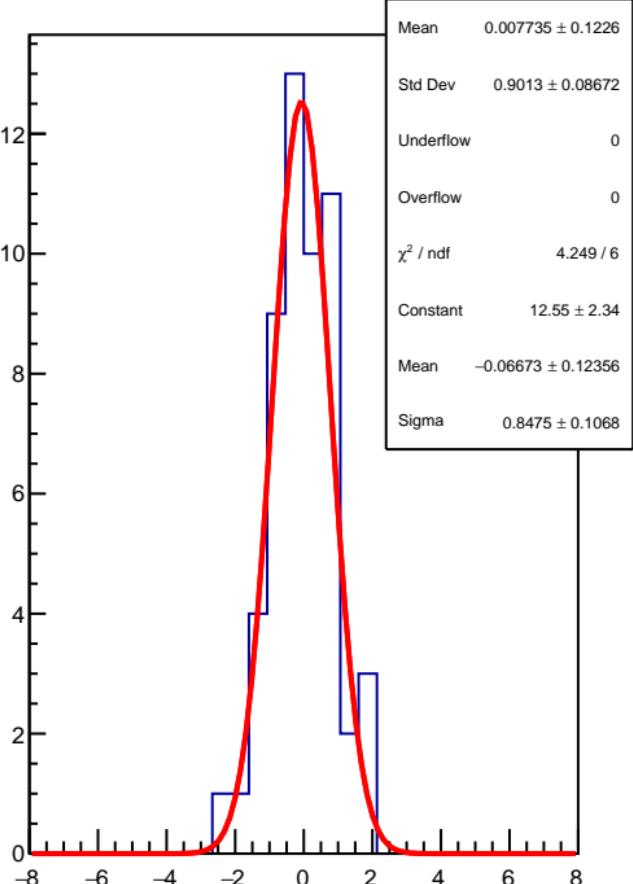
RMS (um)



diff\_bpm12X (nm)

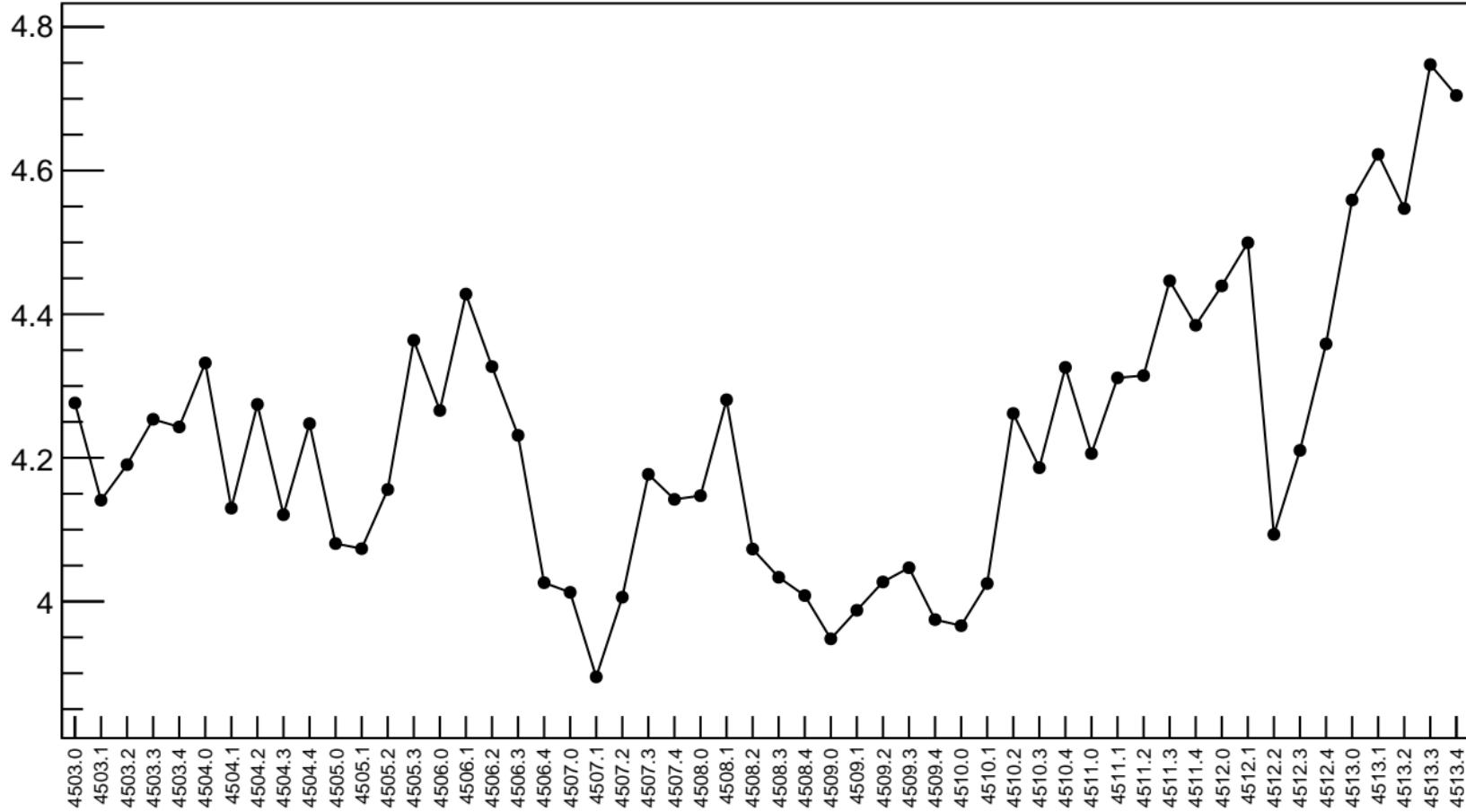


1D pull distribution

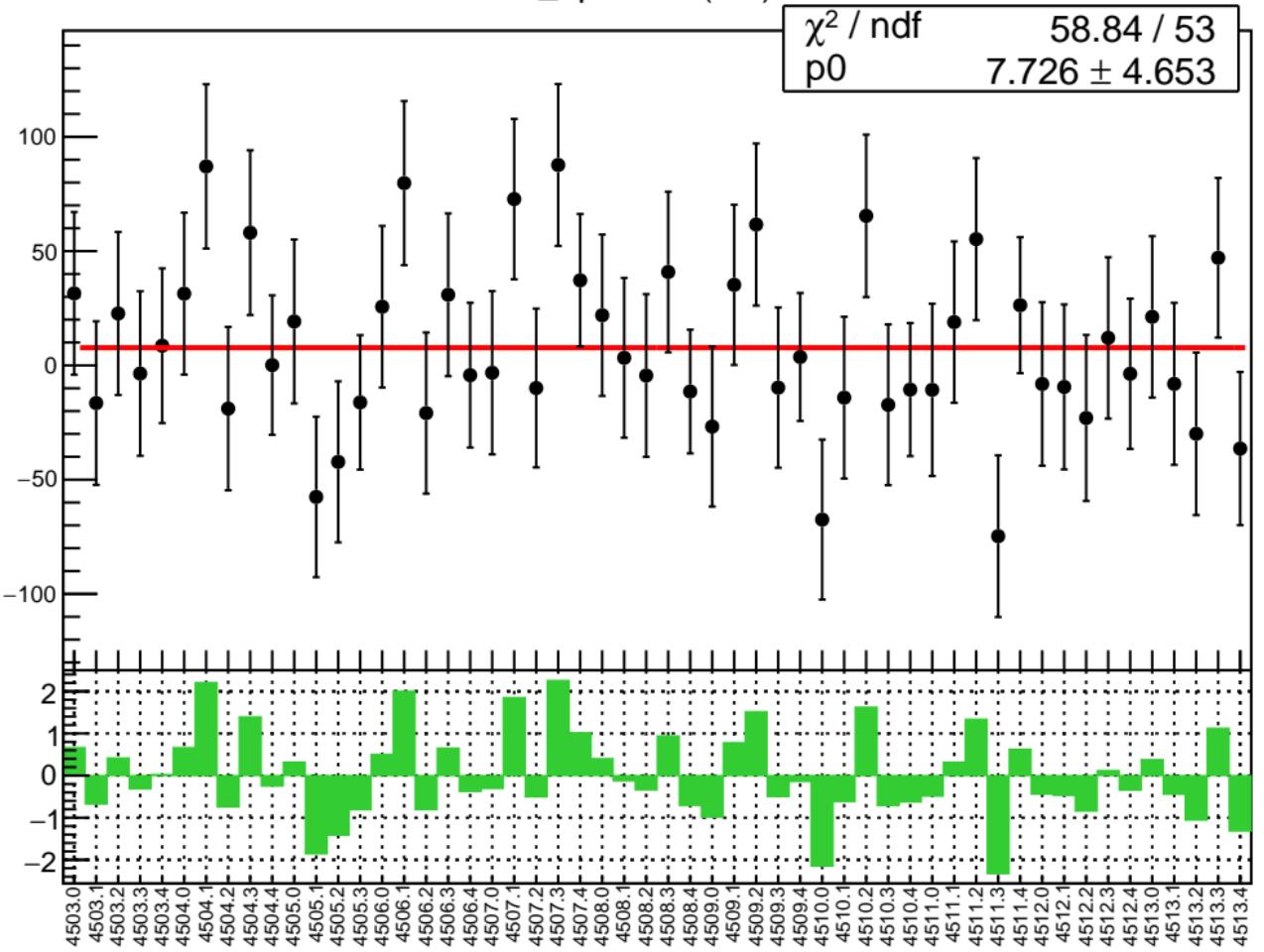


# diff\_bpm12X RMS (um)

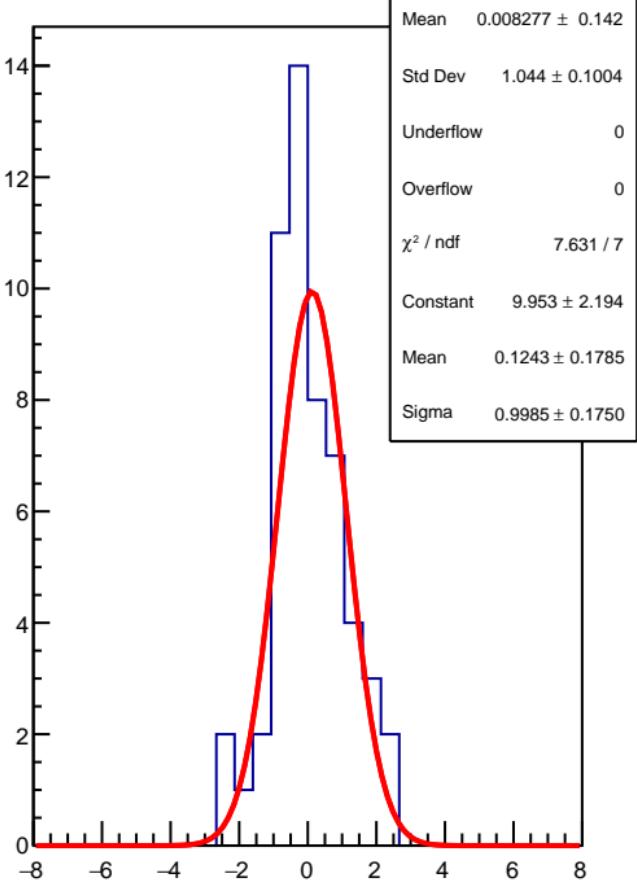
RMS (um)



diff\_bpm12Y (nm)

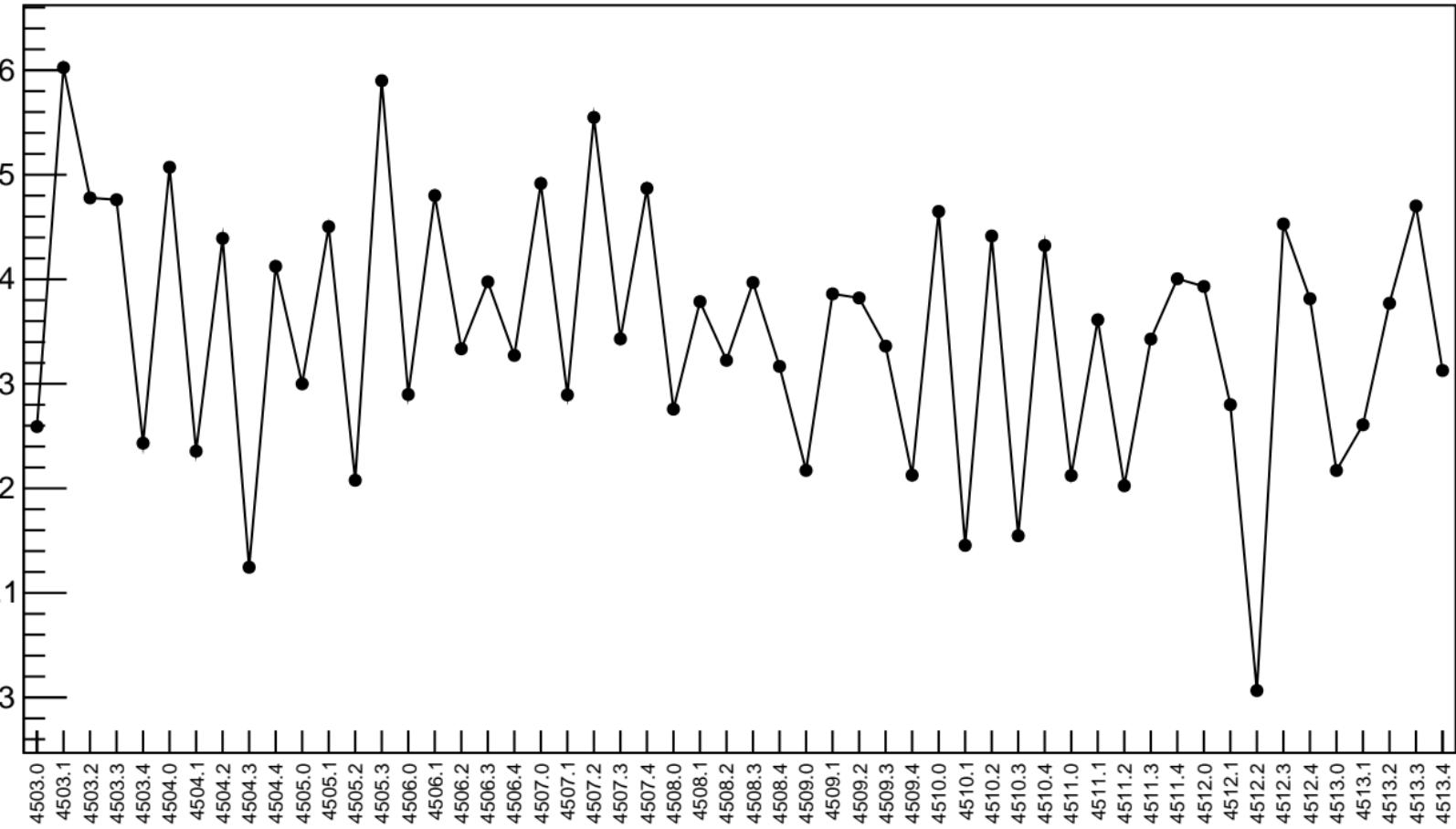


1D pull distribution

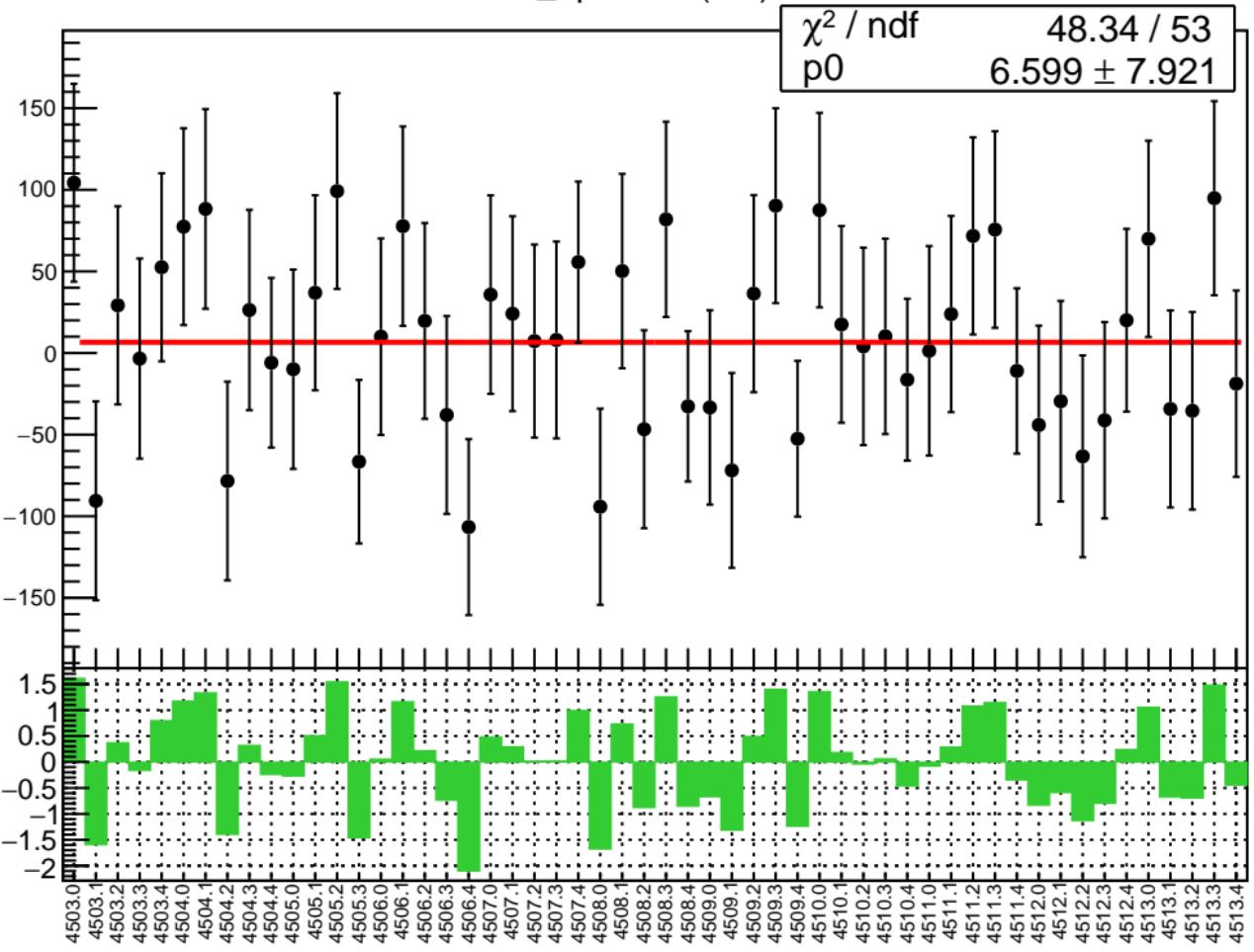


# diff\_bpm12Y RMS (um)

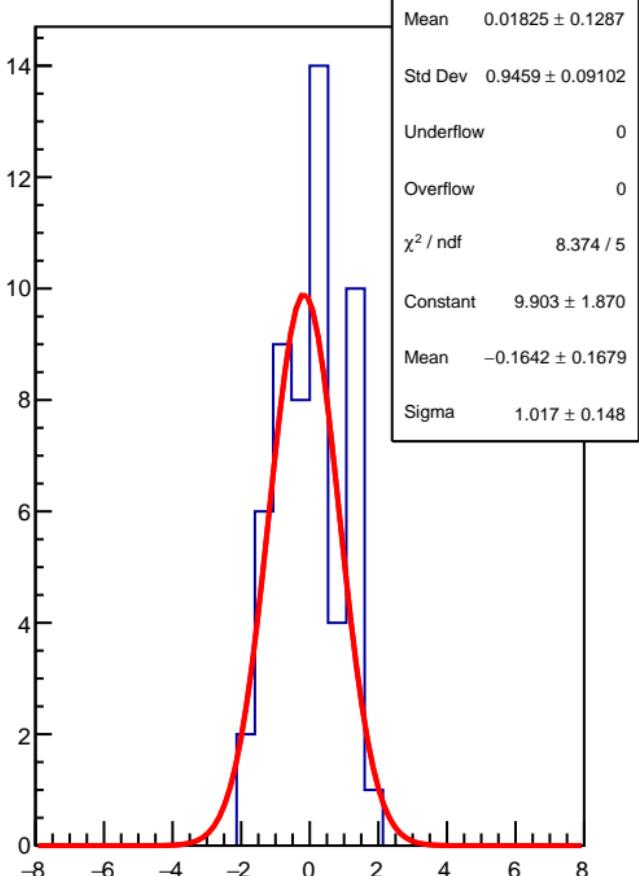
RMS (um)



diff\_bpm11X (nm)

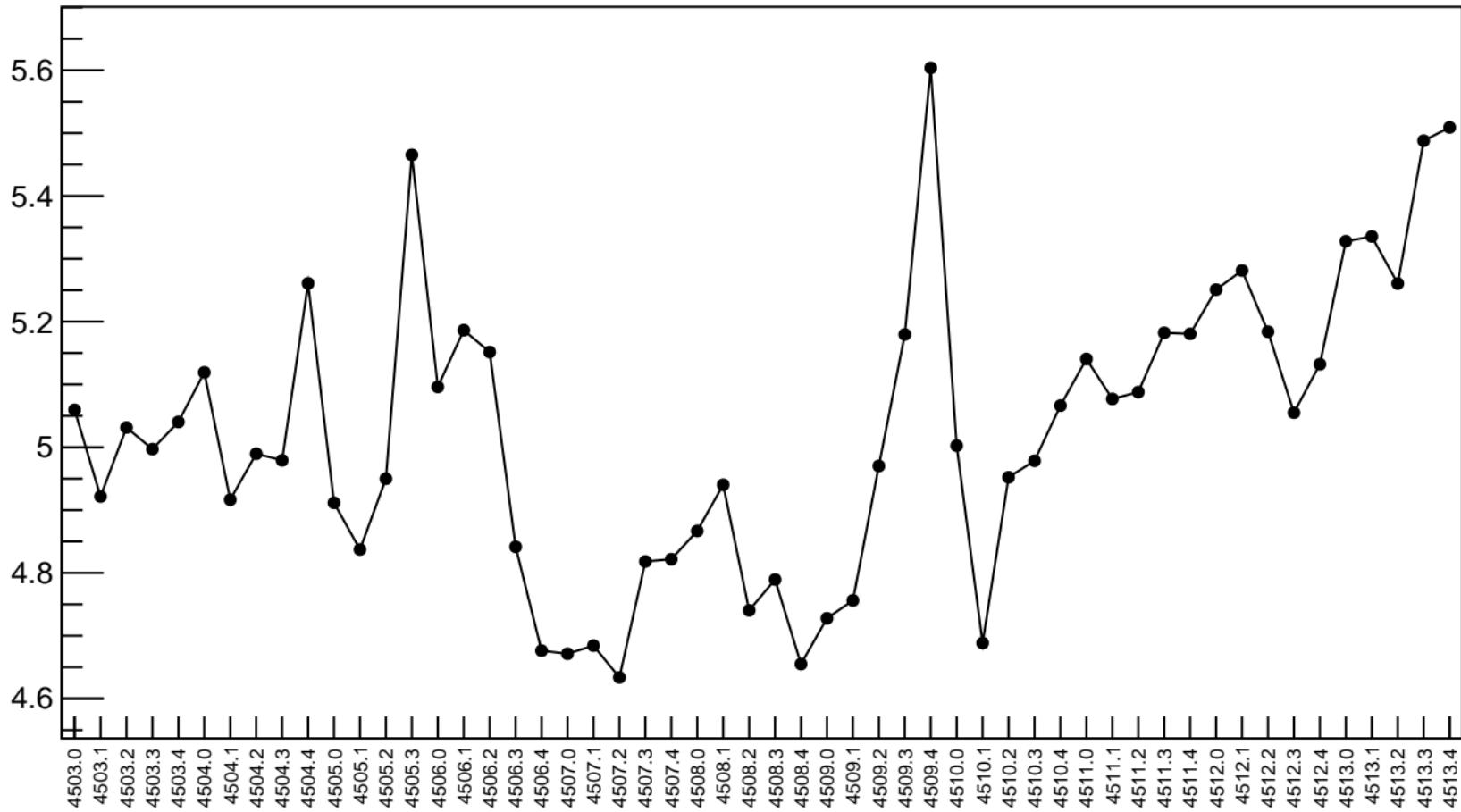


1D pull distribution



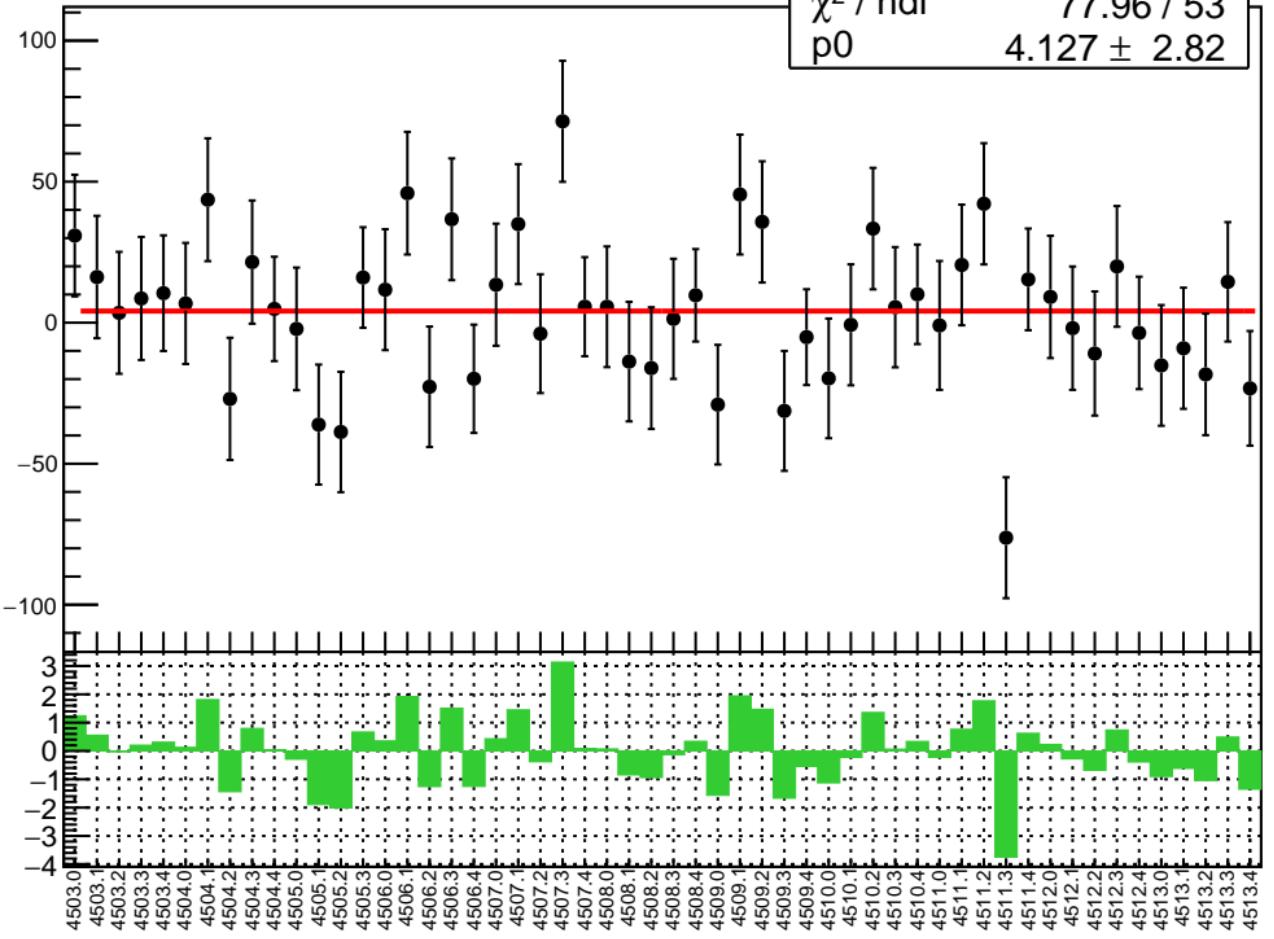
# diff\_bpm11X RMS (um)

RMS (um)

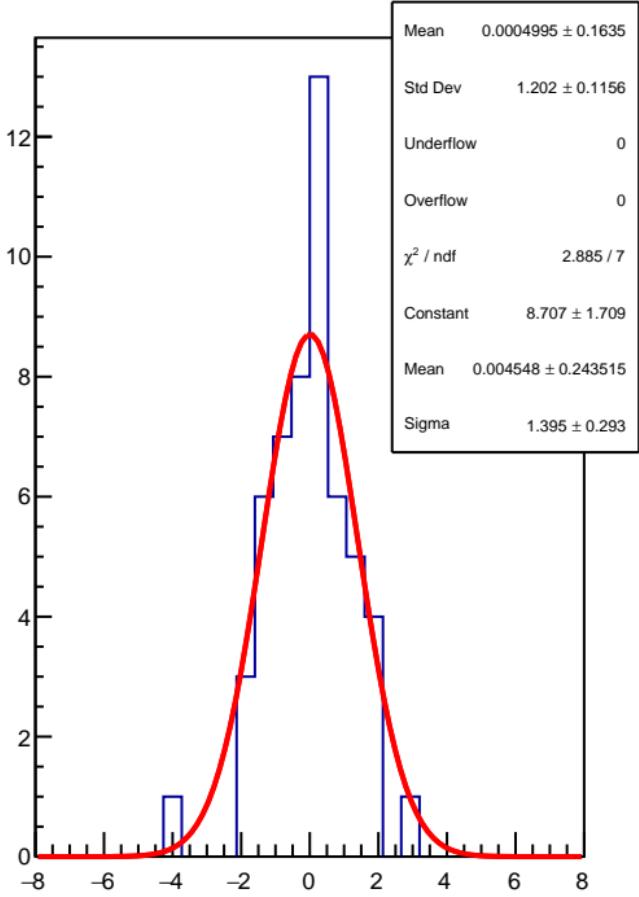


diff\_bpm11Y (nm)

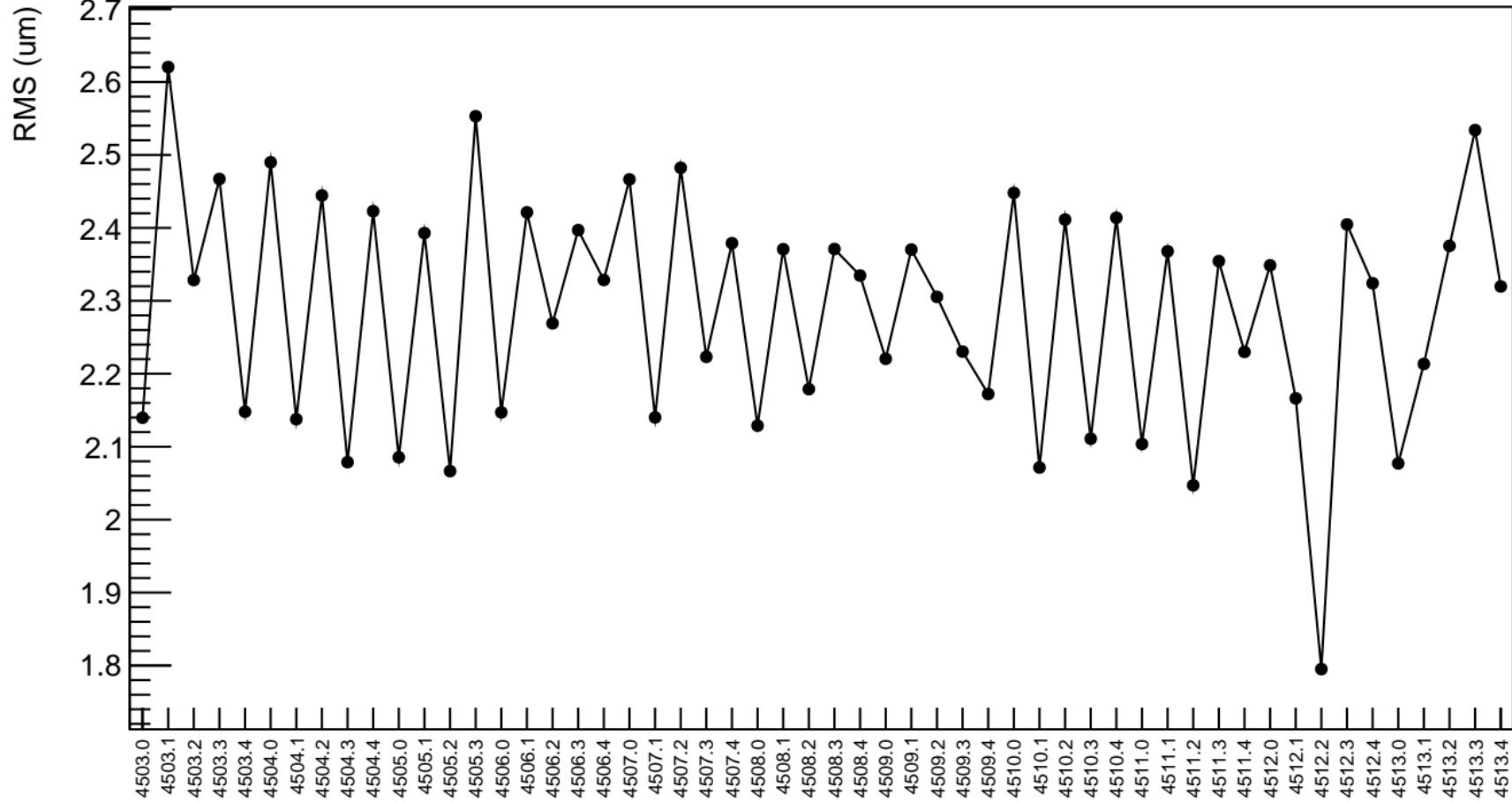
$\chi^2 / \text{ndf}$  77.96 / 53  
p0  $4.127 \pm 2.82$



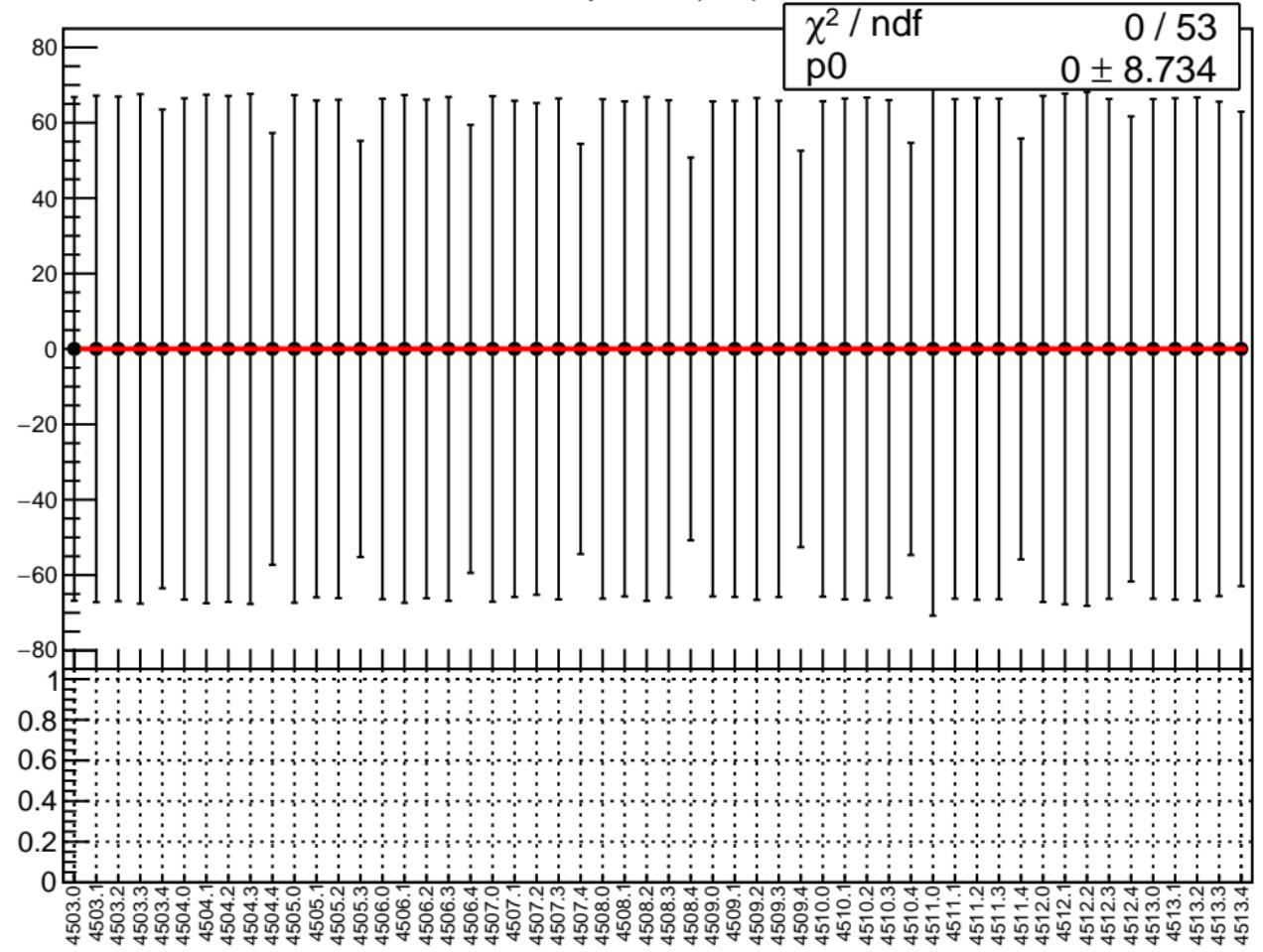
1D pull distribution



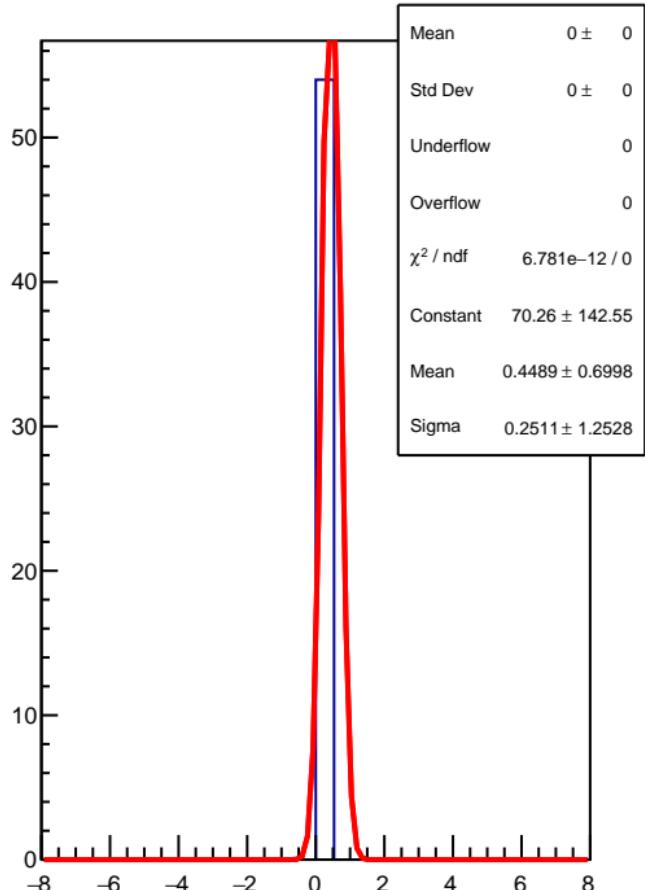
# diff\_bpm11Y RMS (um)



diff\_bpm8X (nm)

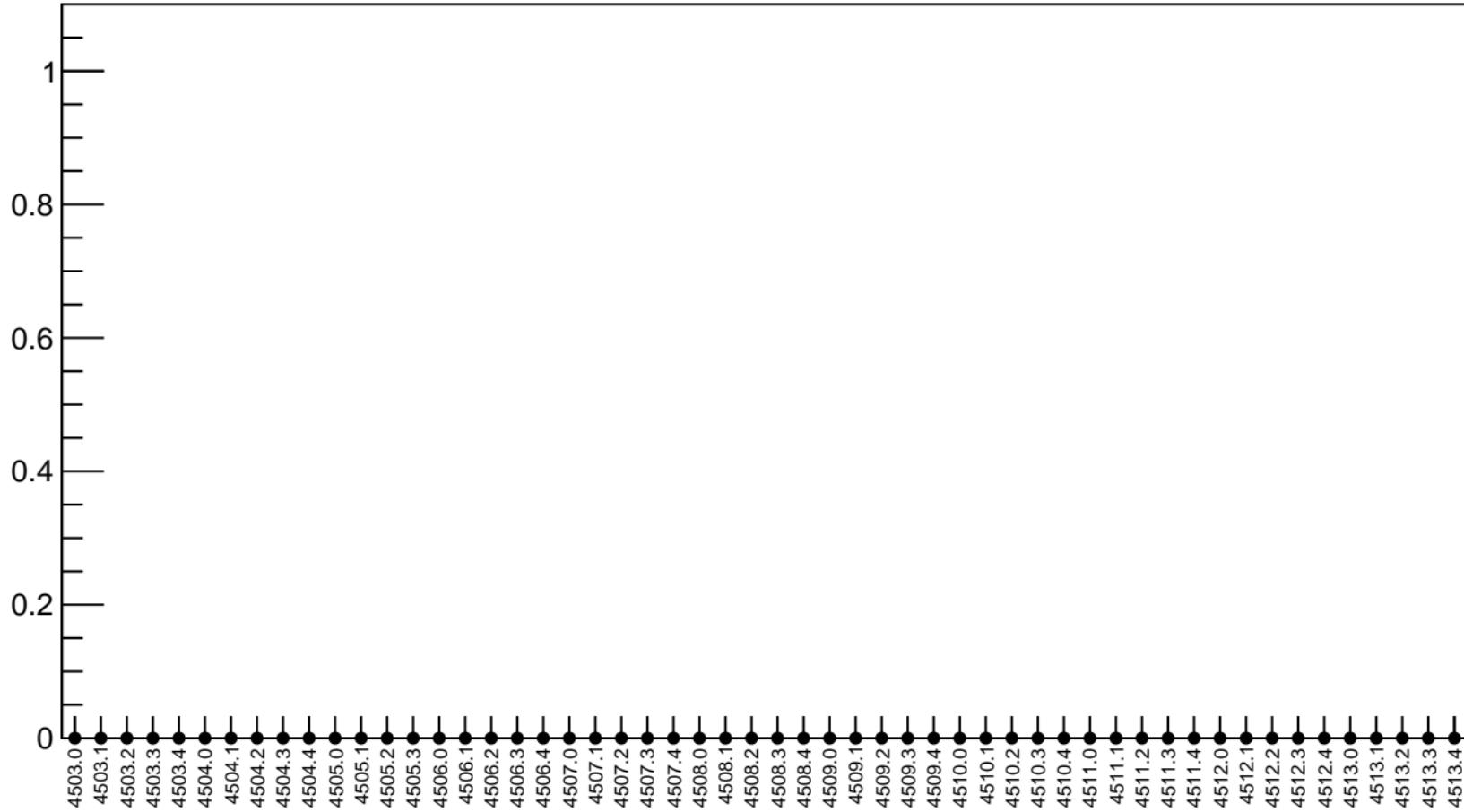


1D pull distribution

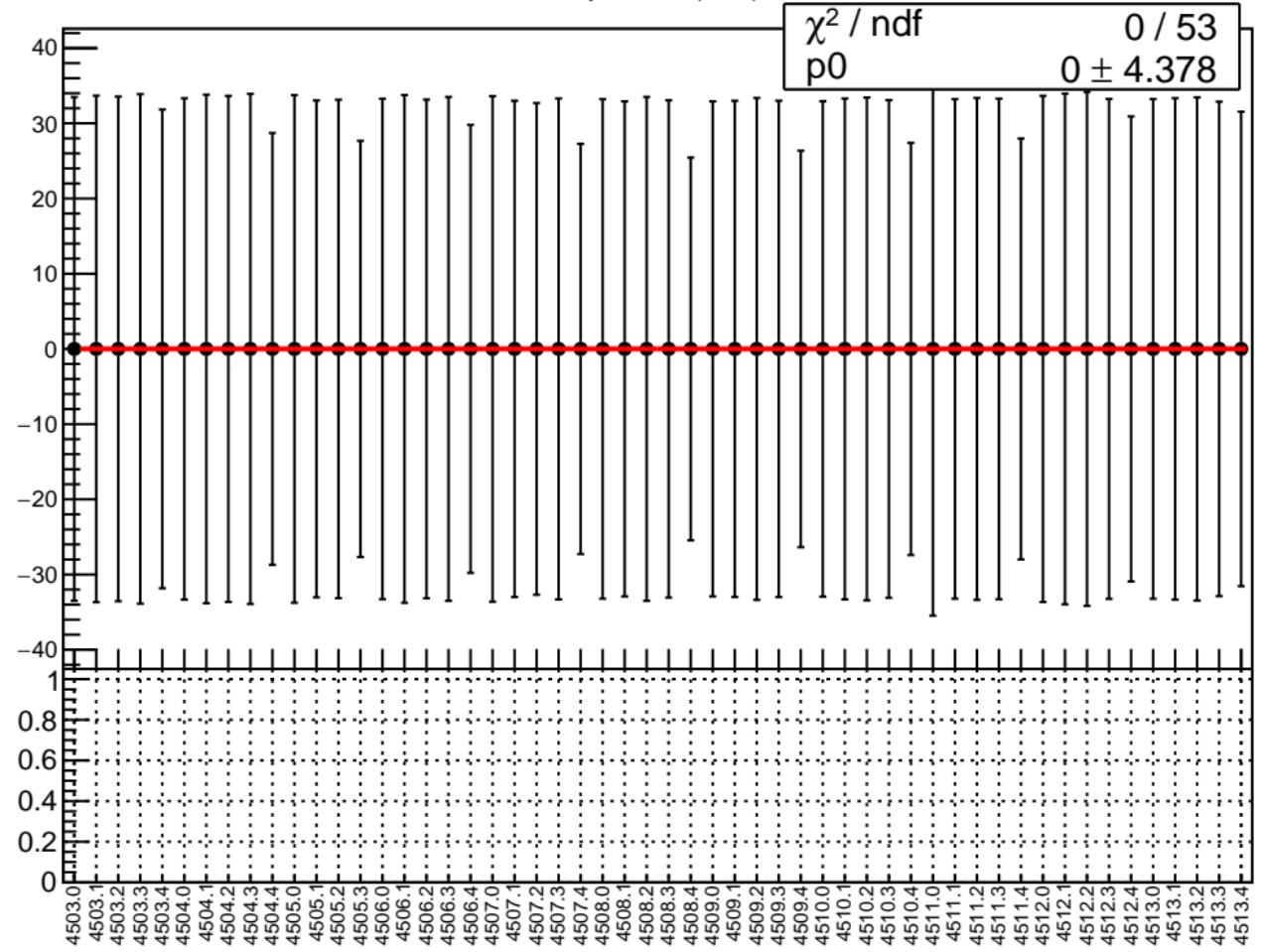


# diff\_bpm8X RMS (um)

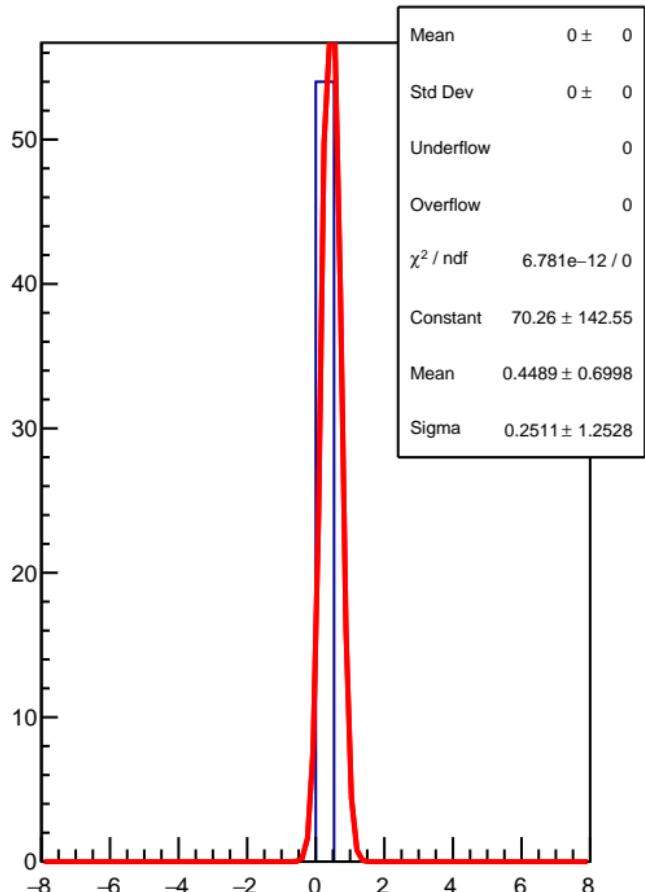
RMS (um)



diff\_bpm8Y (nm)

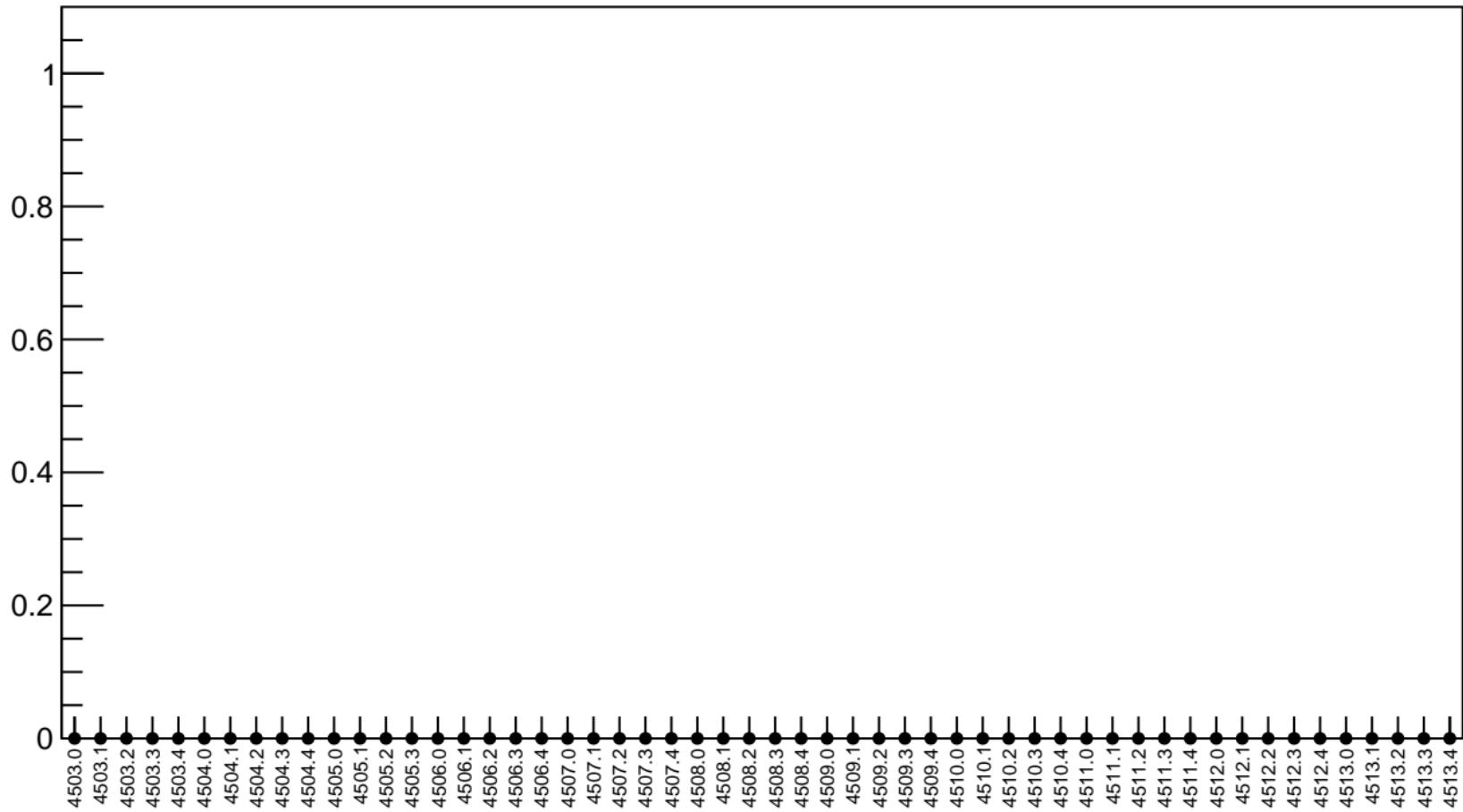


1D pull distribution



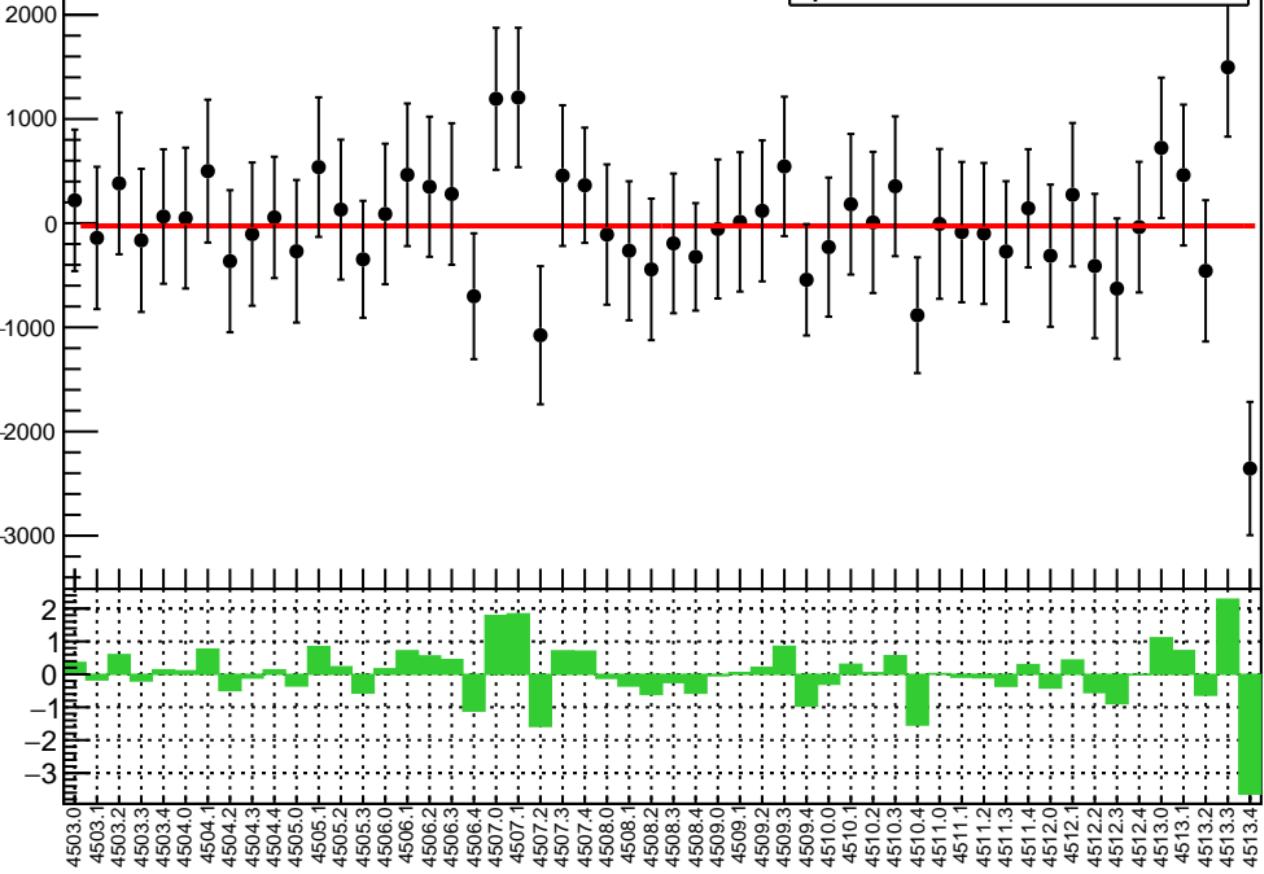
# diff\_bpm8Y RMS (um)

RMS (um)

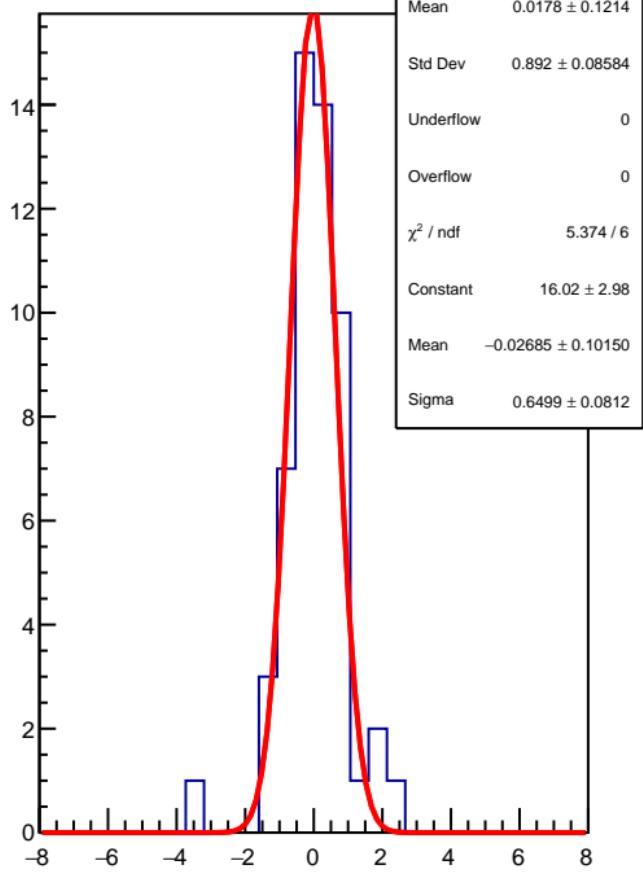


corr\_us\_avg\_bpm4eX (ppb)

$\chi^2 / \text{ndf}$  42.99 / 53  
p0  $-26.31 \pm 88.78$

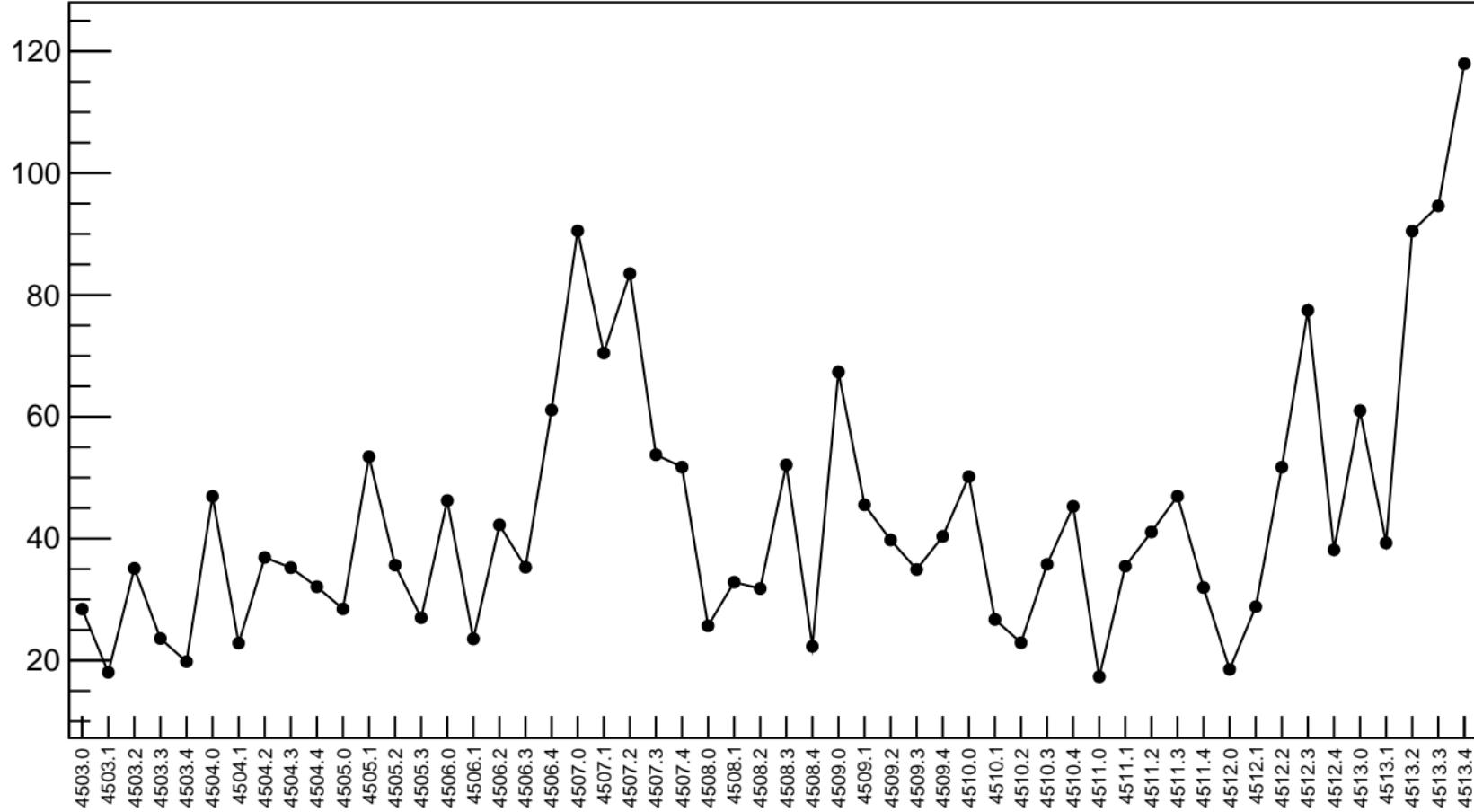


1D pull distribution



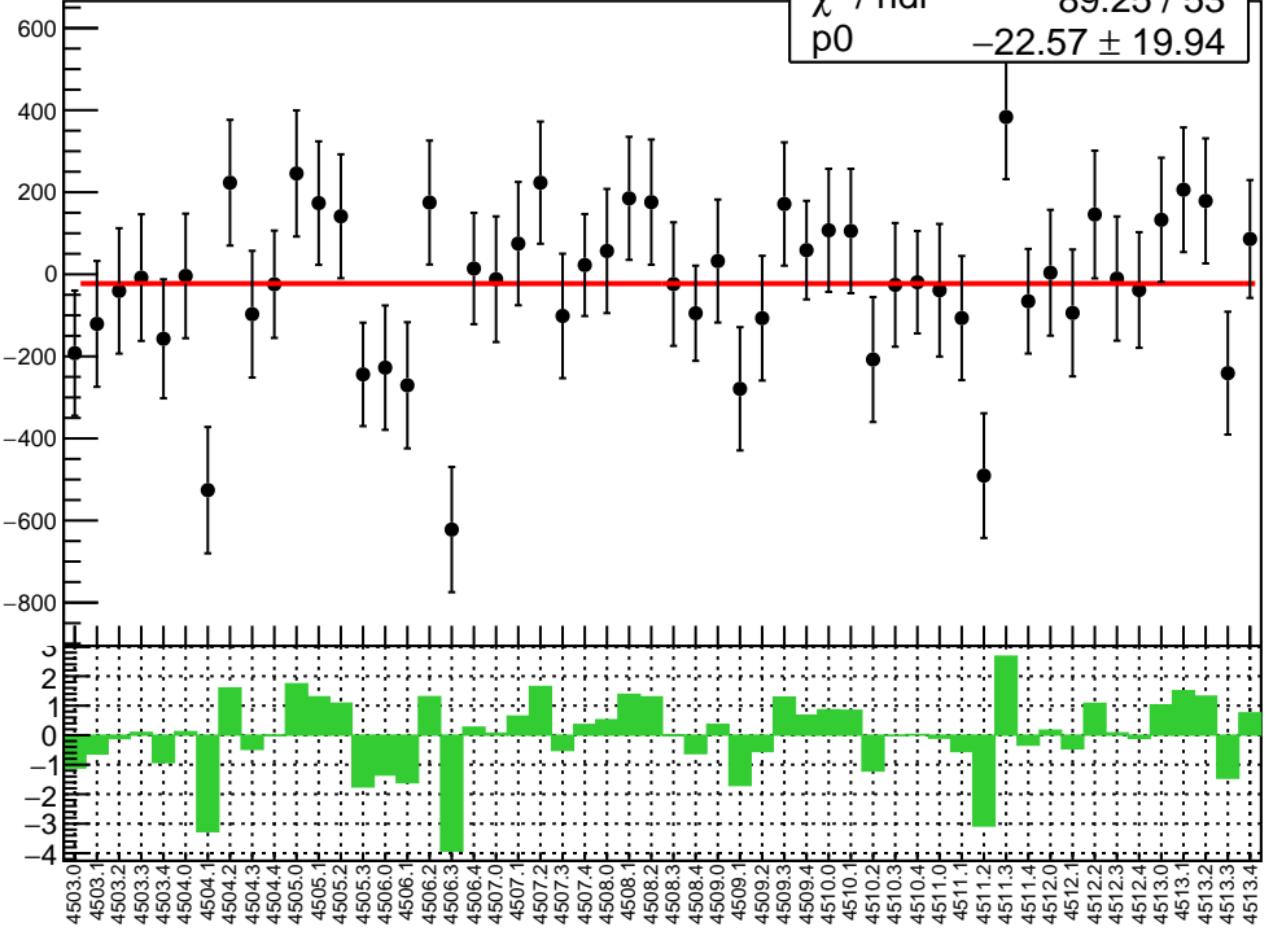
# corr\_us\_avg\_bpm4eX RMS (ppm)

RMS (ppm)

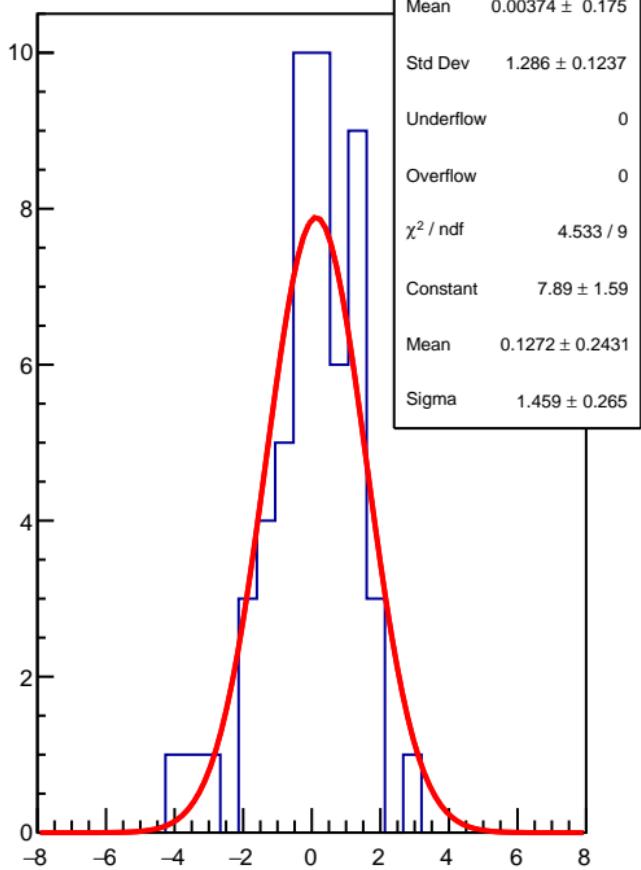


corr\_us\_avg\_bpm4eY (ppb)

$\chi^2 / \text{ndf}$  89.25 / 53  
p0  $-22.57 \pm 19.94$

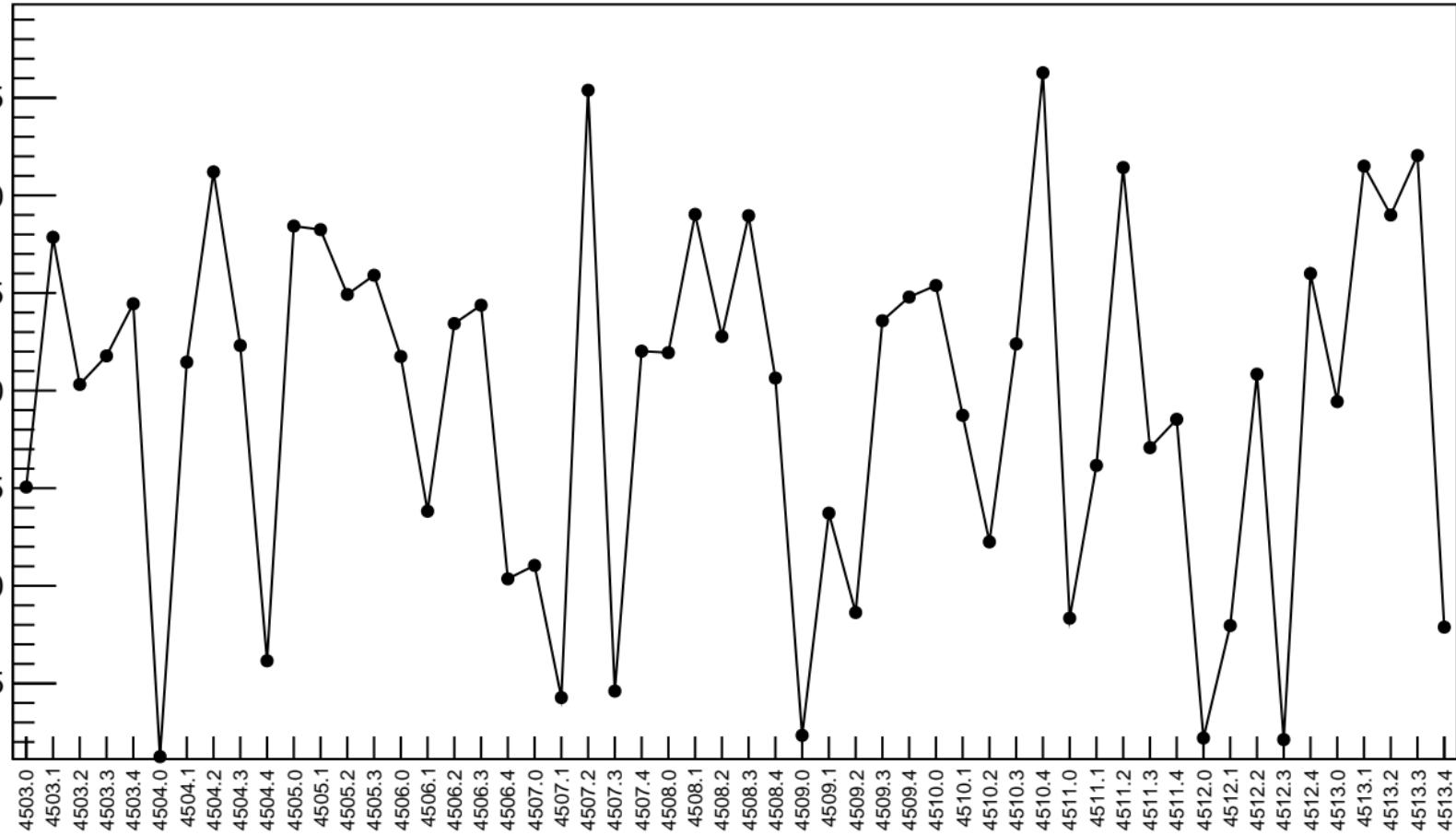


1D pull distribution

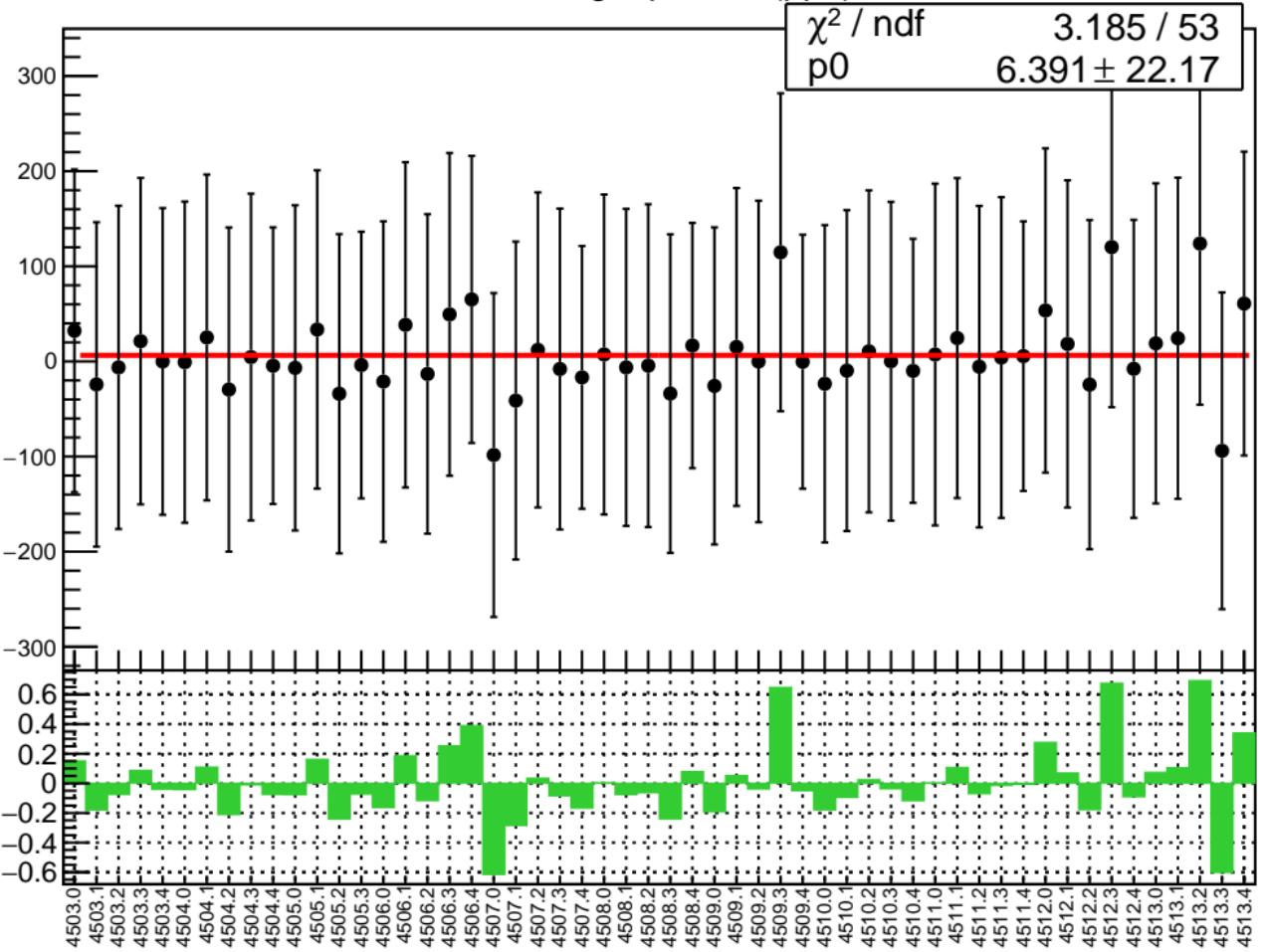


# corr\_us\_avg\_bpm4eY RMS (ppm)

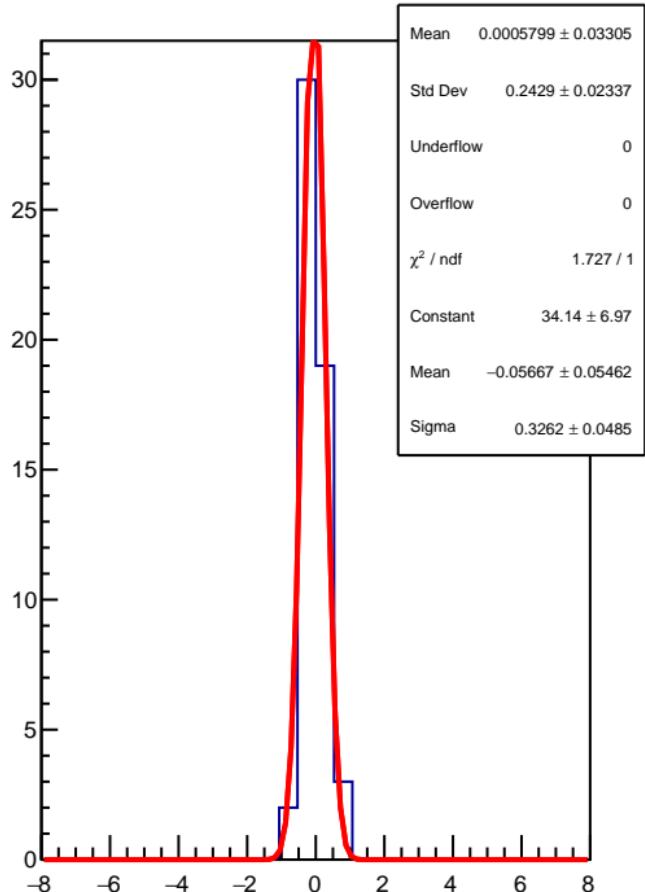
RMS (ppm)



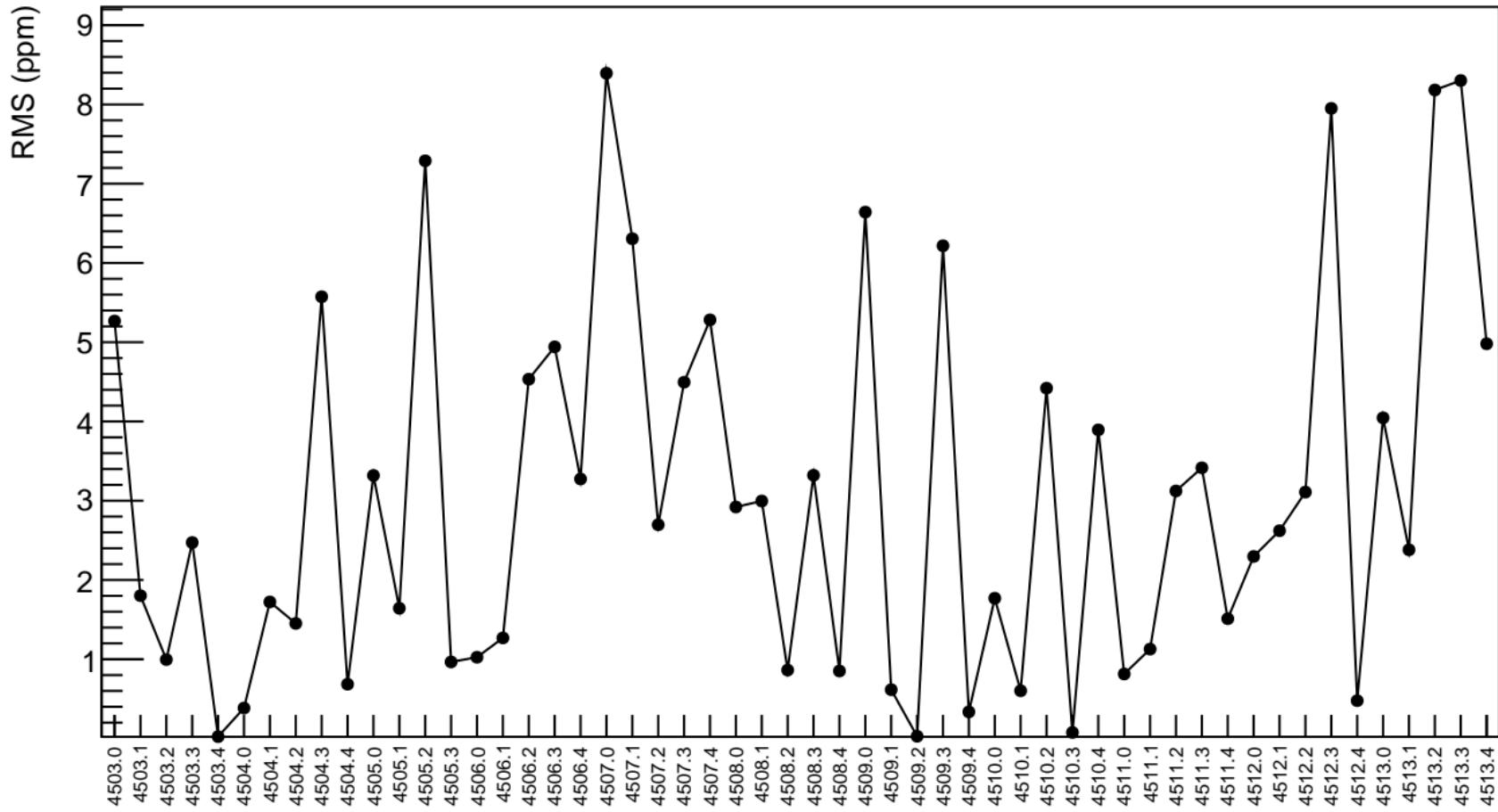
corr\_us\_avg\_bpm4aX (ppb)



1D pull distribution

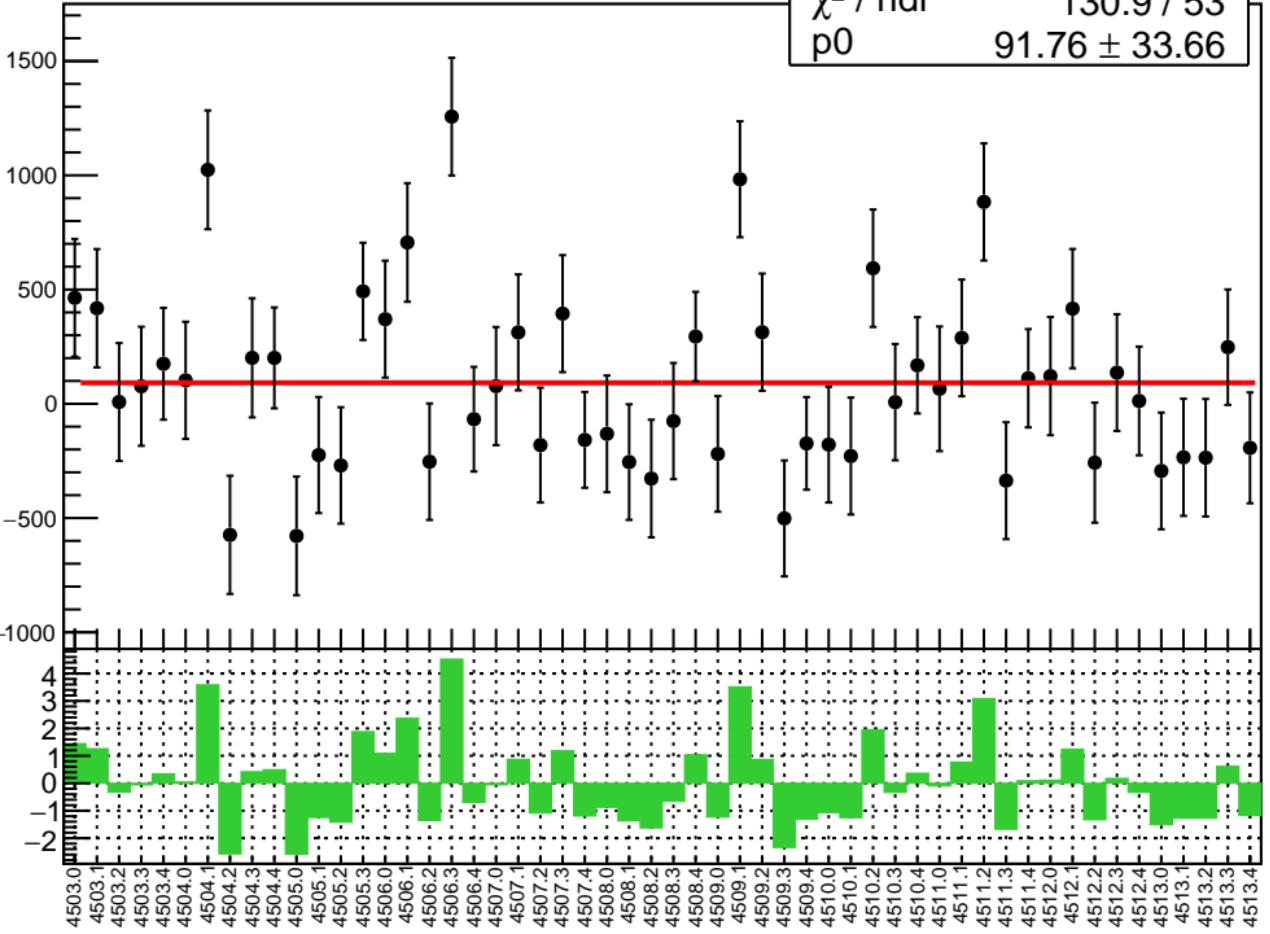


# corr\_us\_avg\_bpm4aX RMS (ppm)

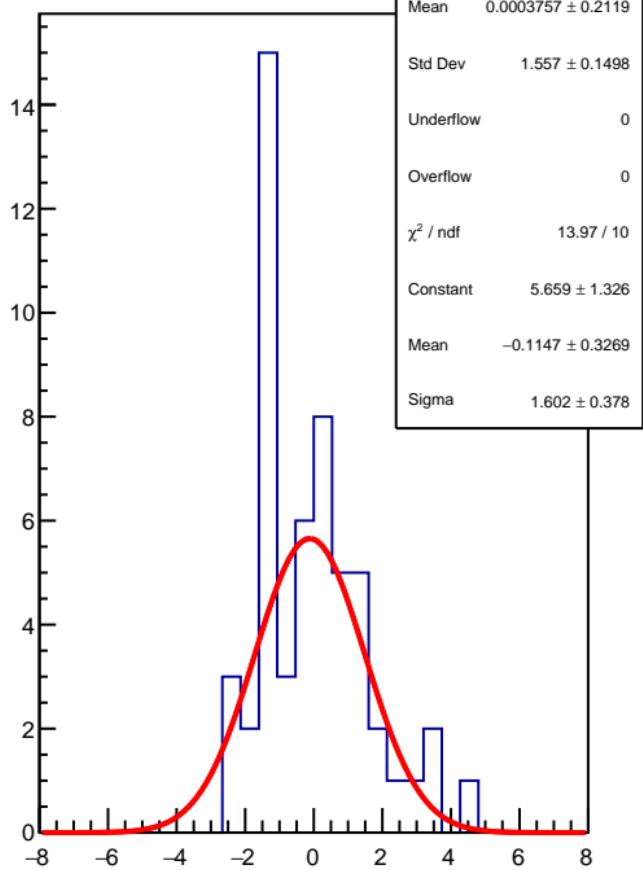


corr\_us\_avg\_bpm4aY (ppb)

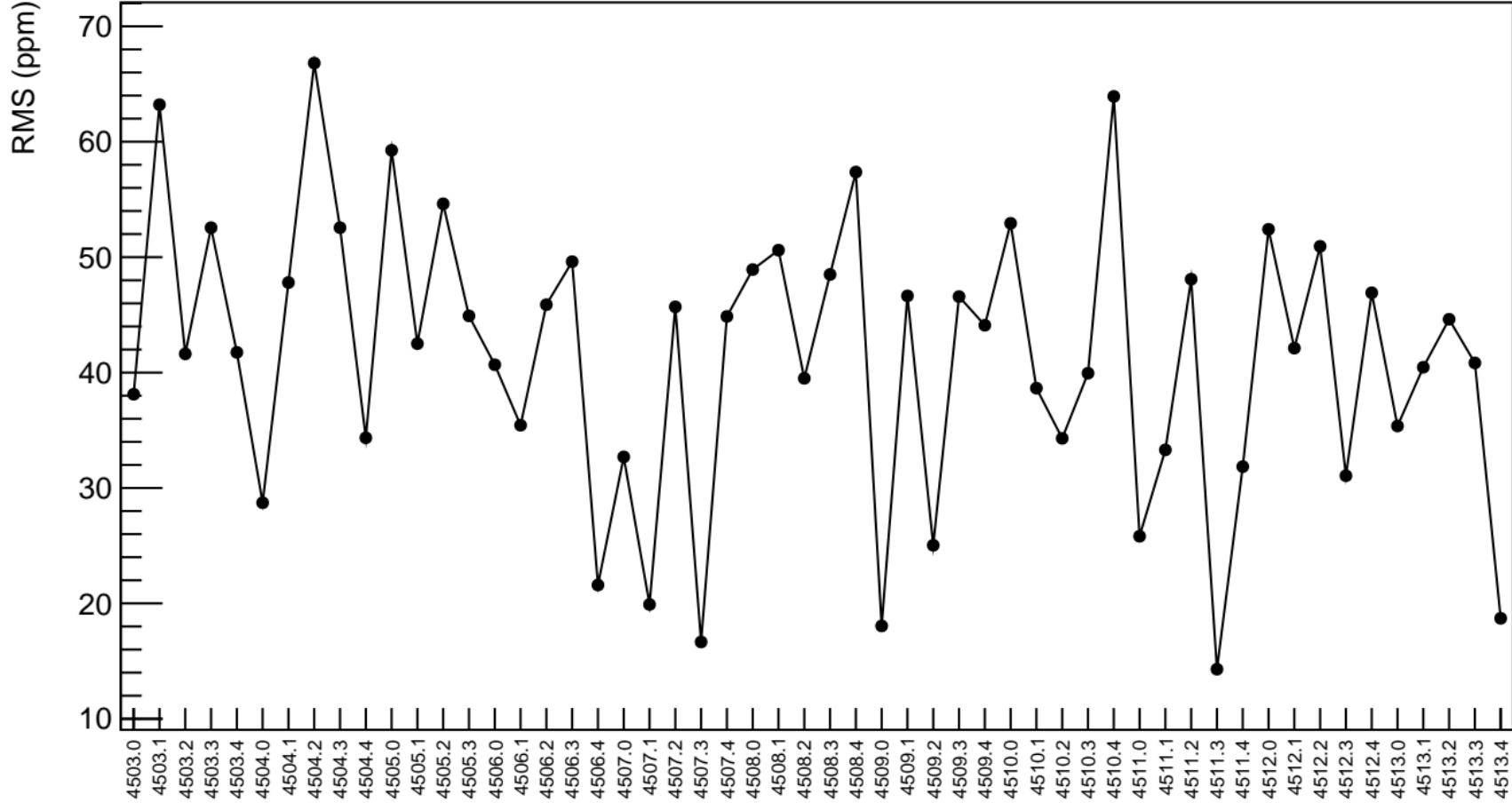
$\chi^2 / \text{ndf}$  130.9 / 53  
p0  $91.76 \pm 33.66$



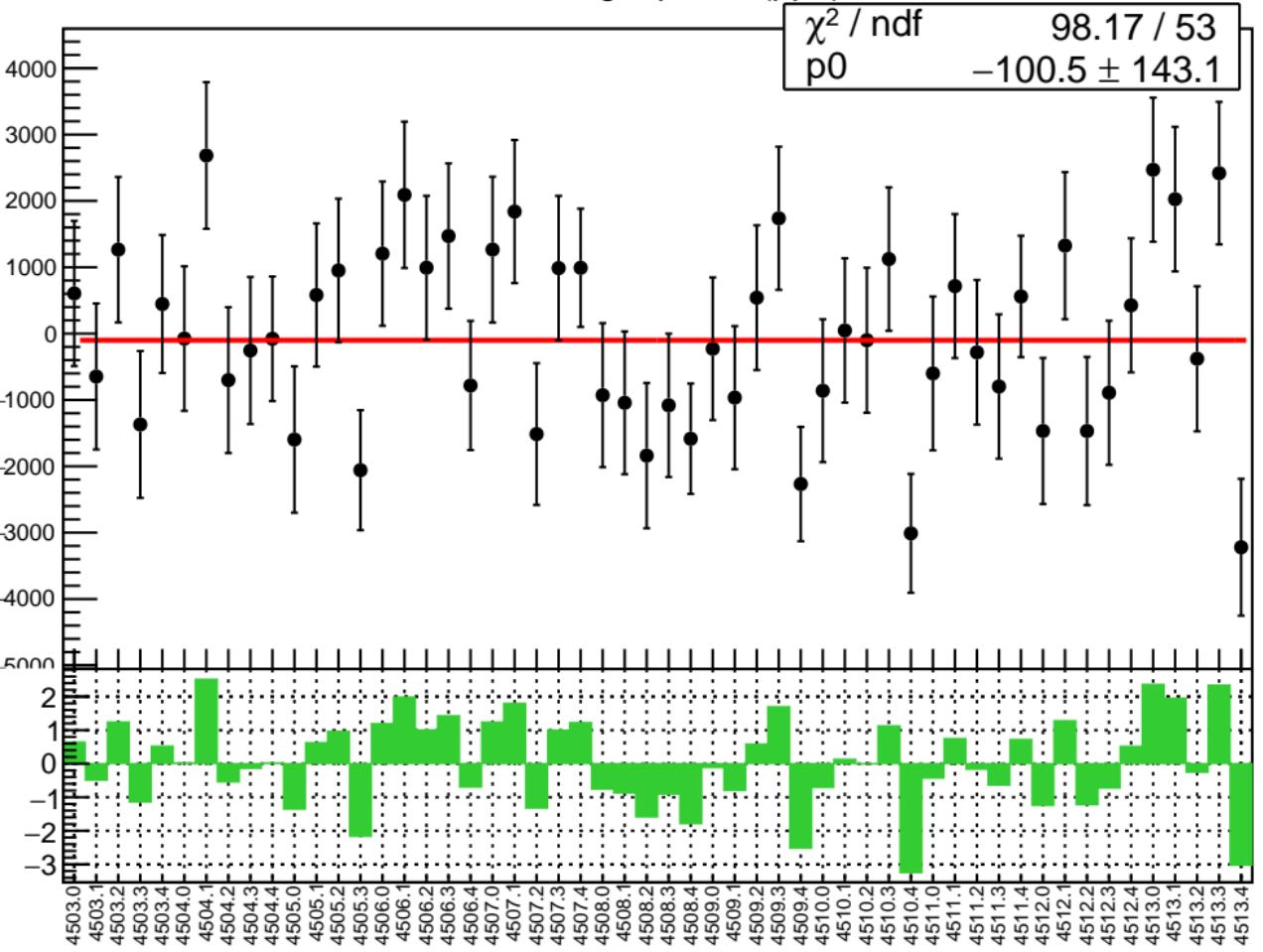
1D pull distribution



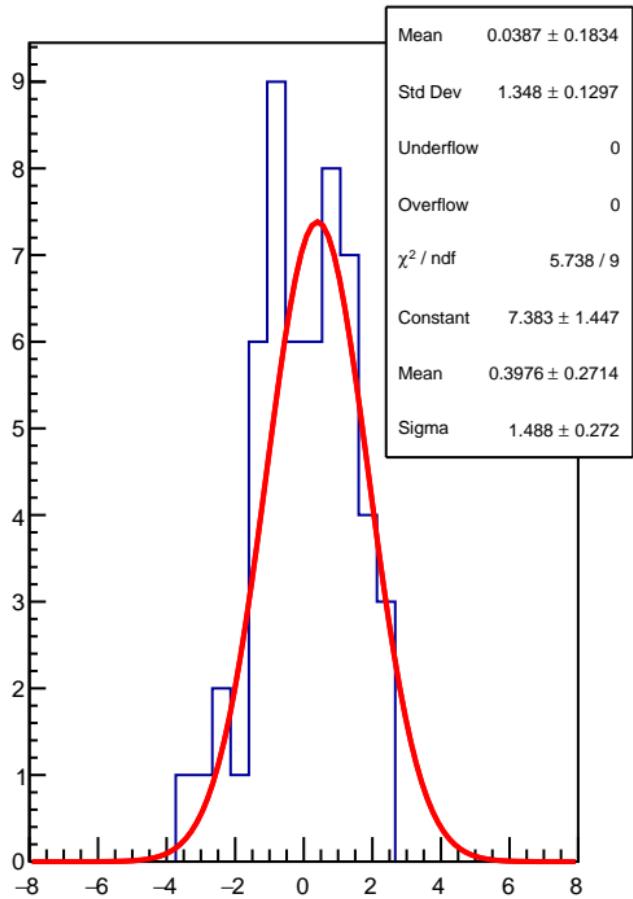
# corr\_us\_avg\_bpm4aY RMS (ppm)



corr\_us\_avg\_bpm1X (ppb)

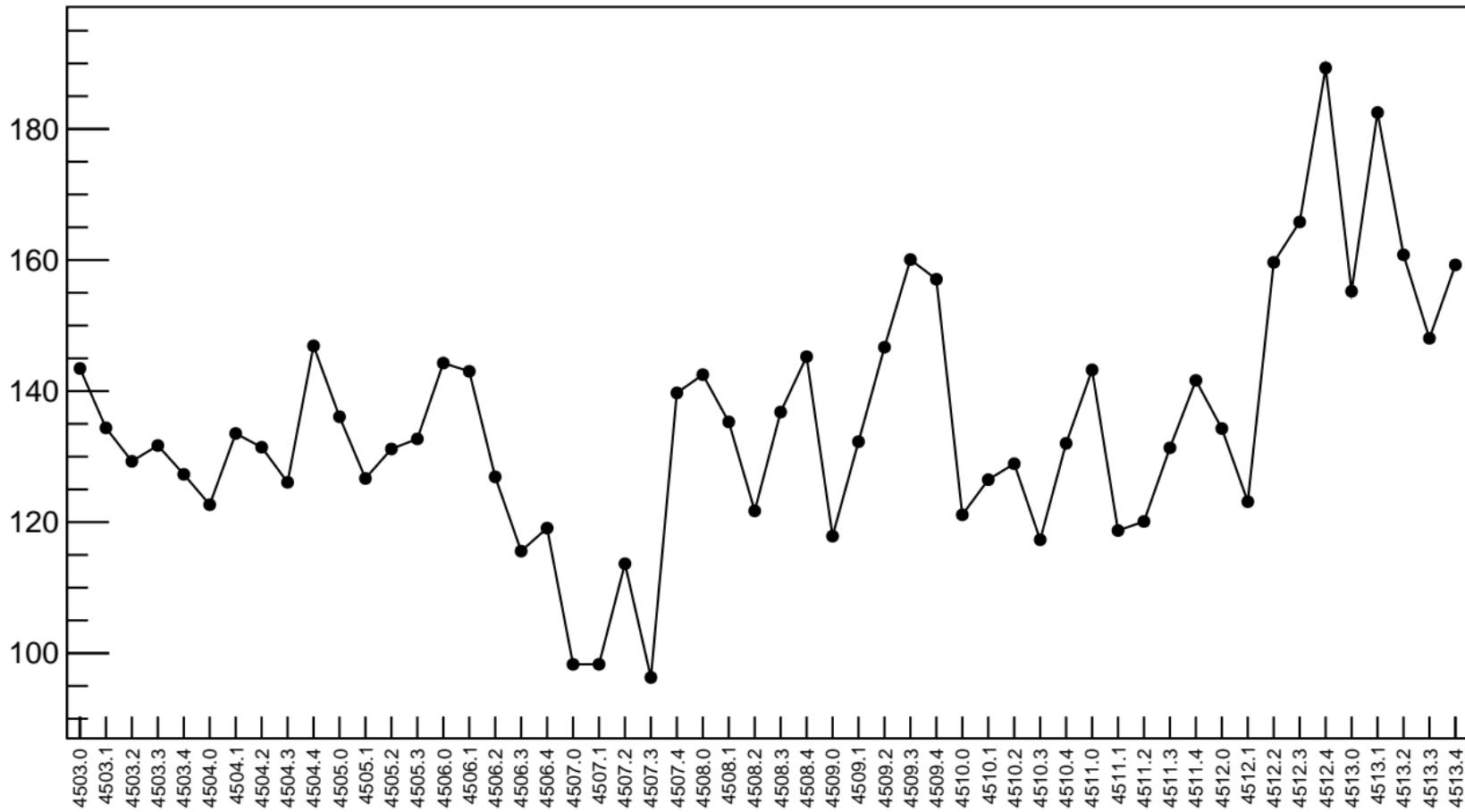


1D pull distribution

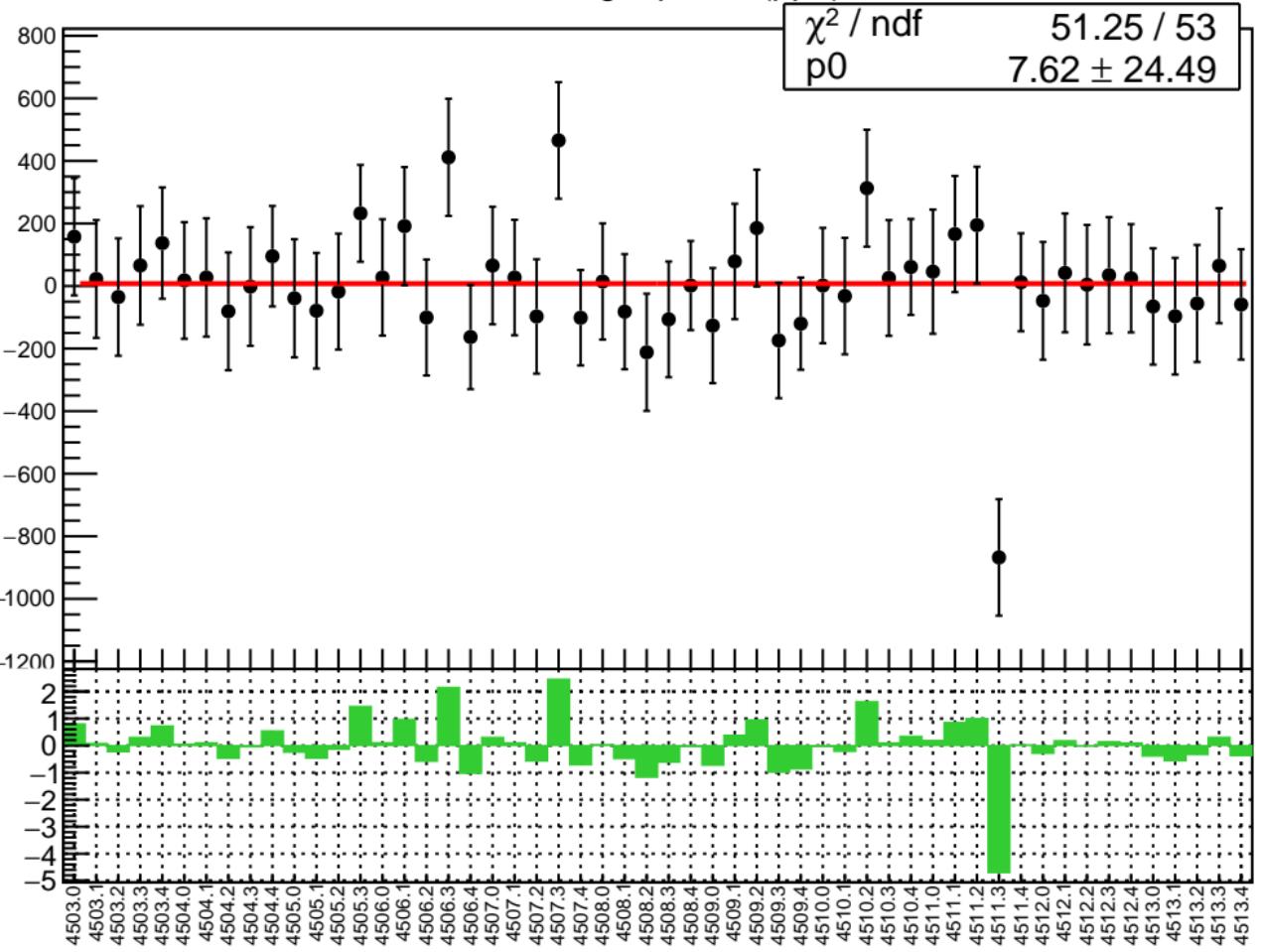


# corr\_us\_avg\_bpm1X RMS (ppm)

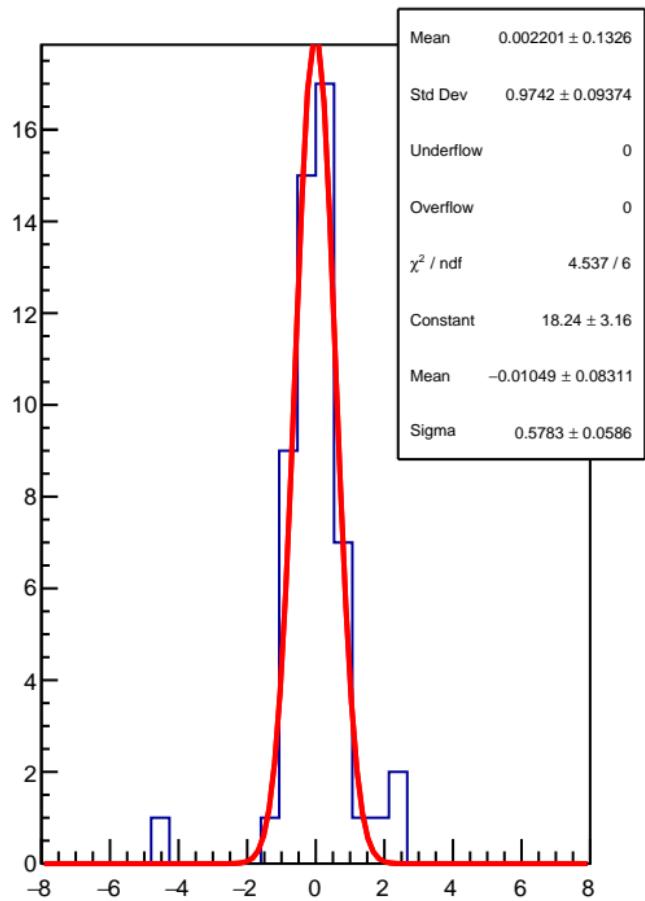
RMS (ppm)



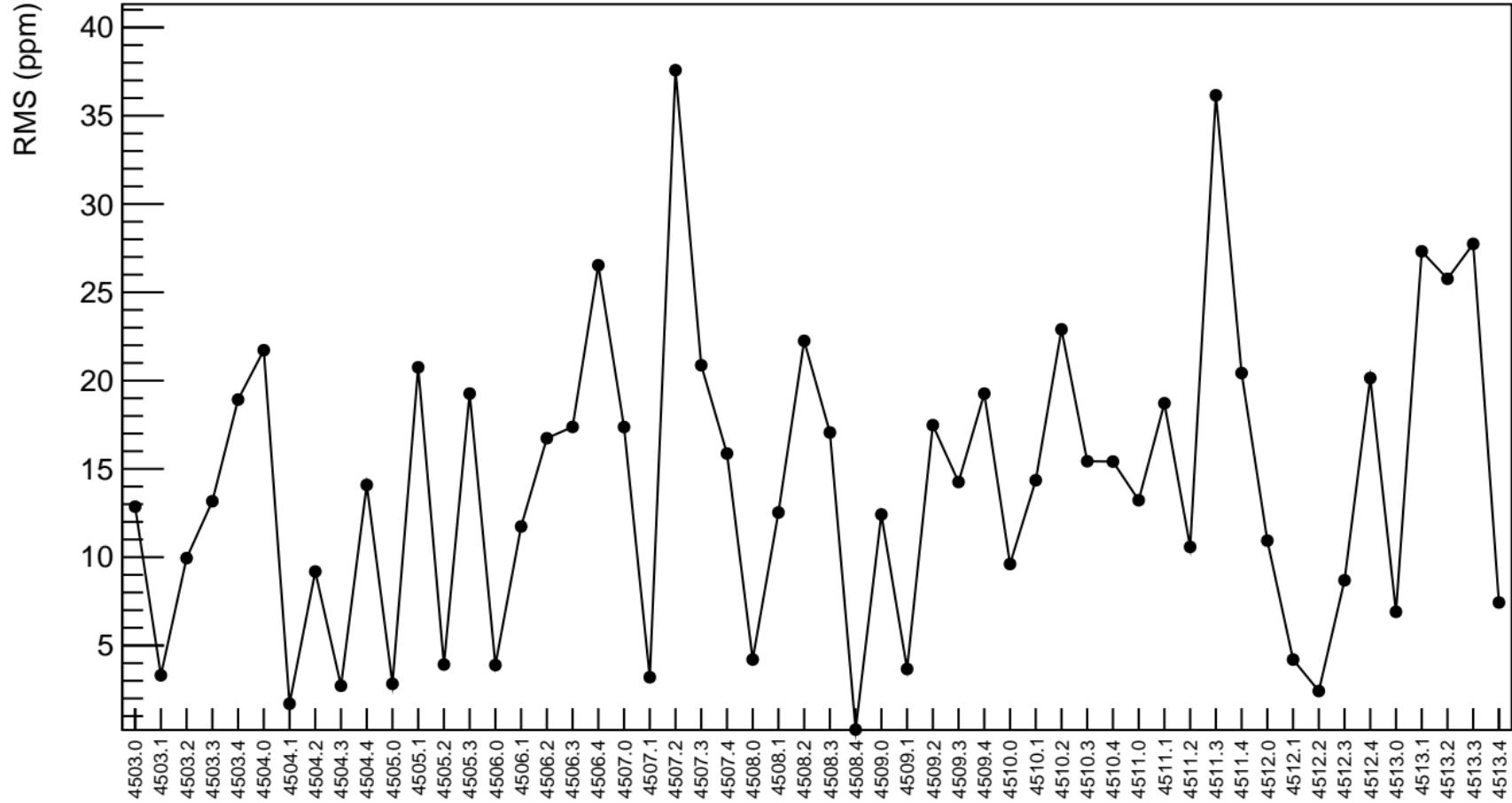
corr\_us\_avg\_bpm1Y (ppb)



1D pull distribution

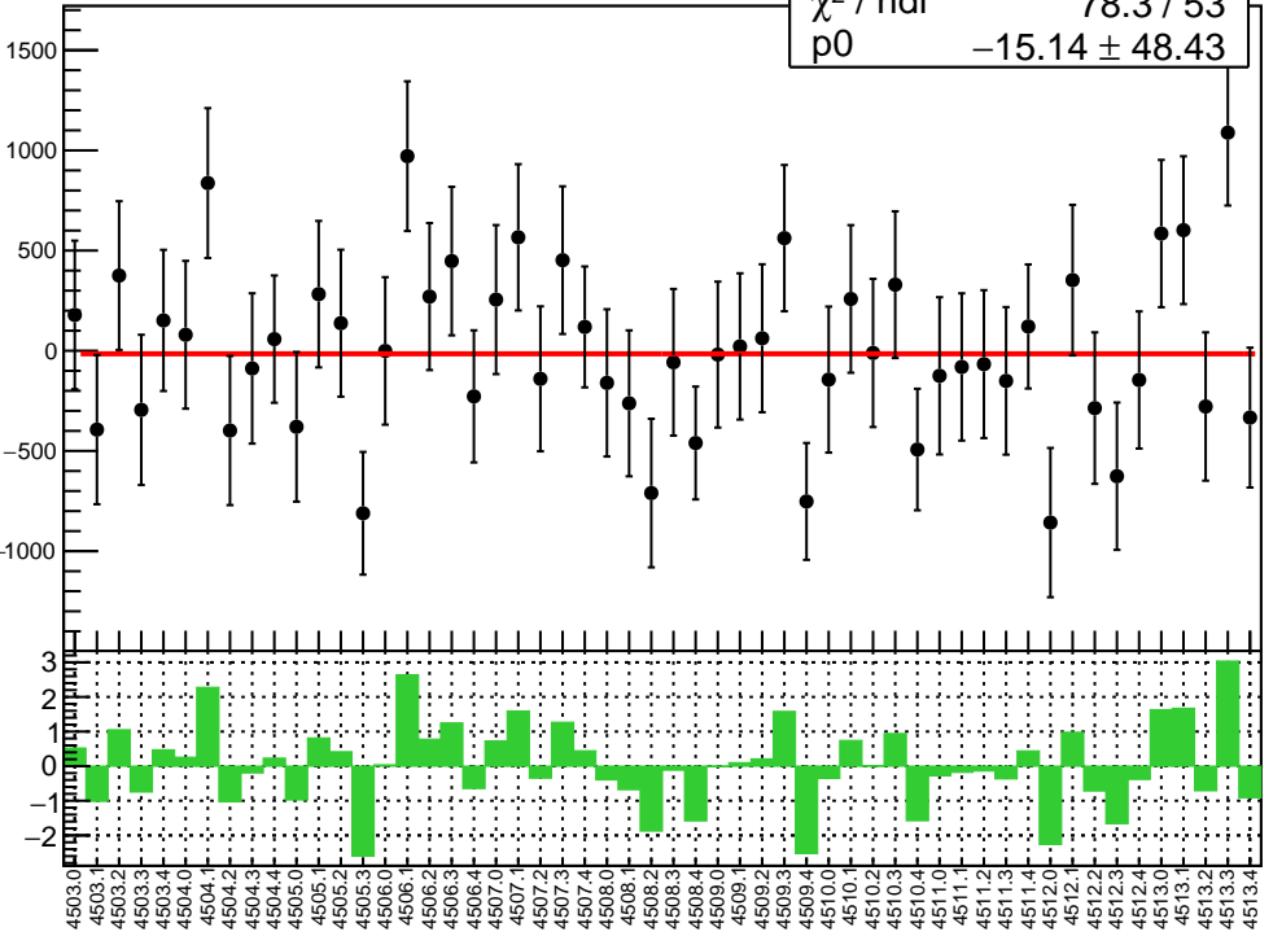


# corr\_us\_avg\_bpm1Y RMS (ppm)

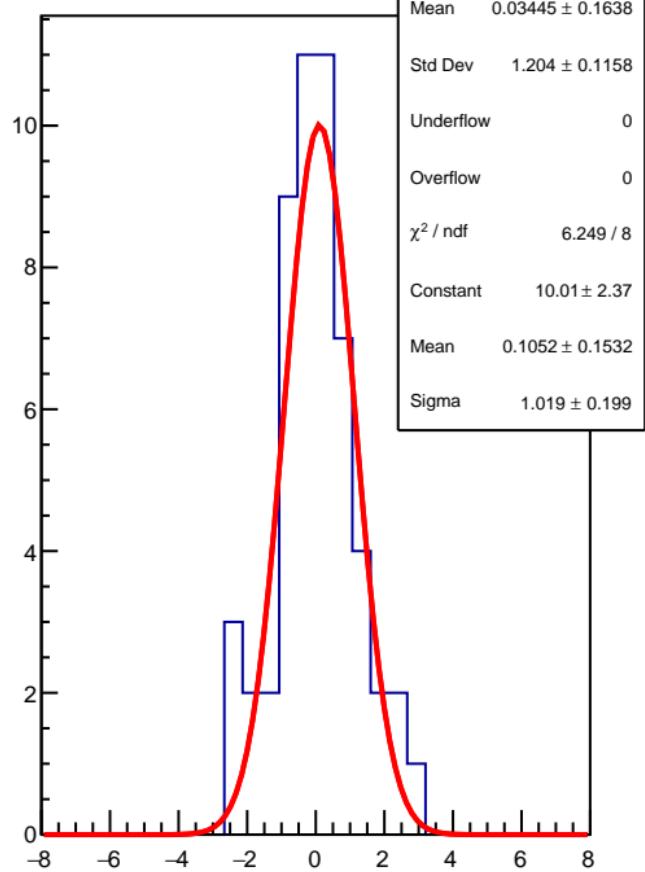


corr\_us\_avg\_bpm16X (ppb)

$\chi^2 / \text{ndf}$  78.3 / 53  
p0  $-15.14 \pm 48.43$

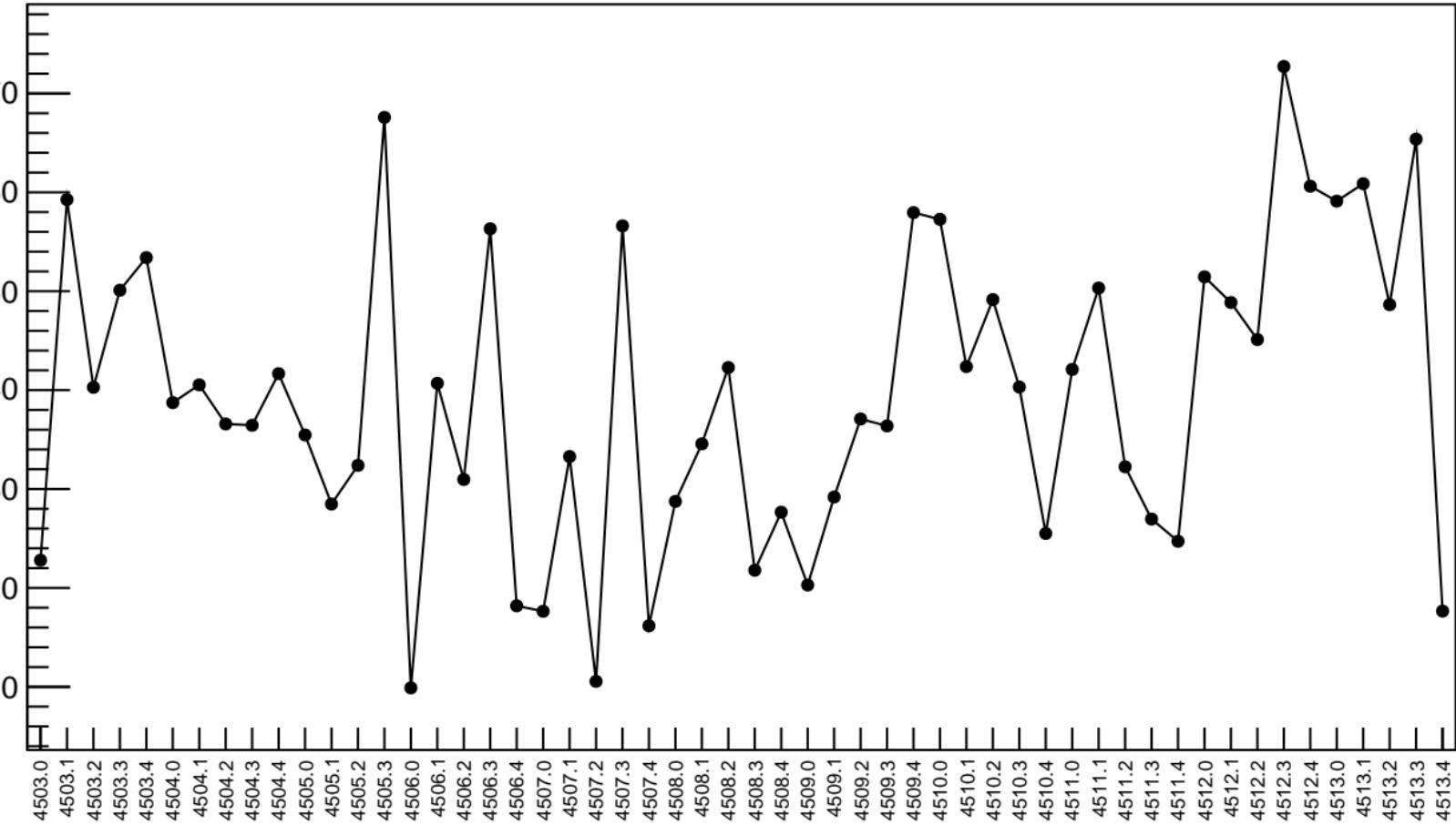


1D pull distribution

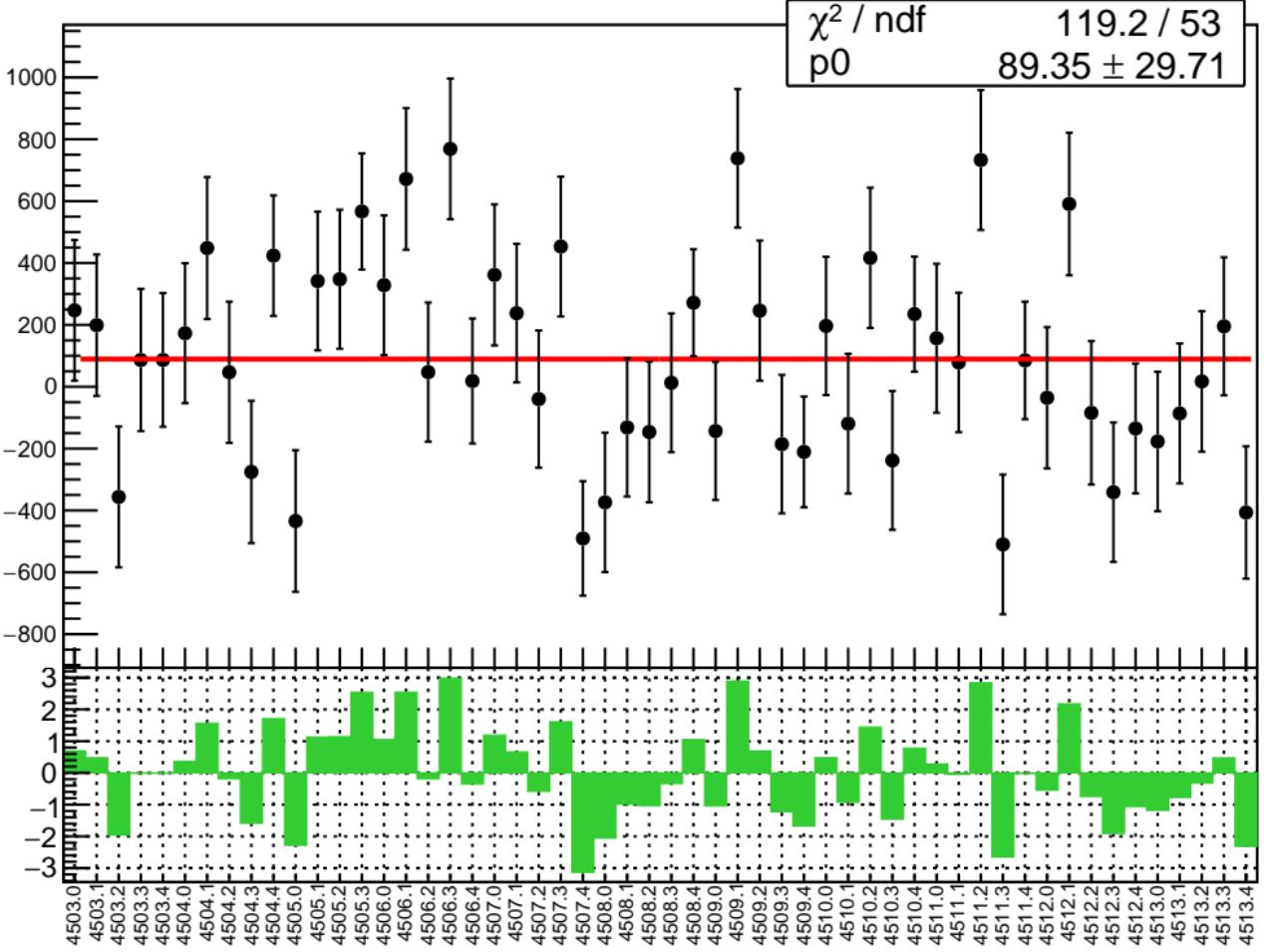


# corr\_us\_avg\_bpm16X RMS (ppm)

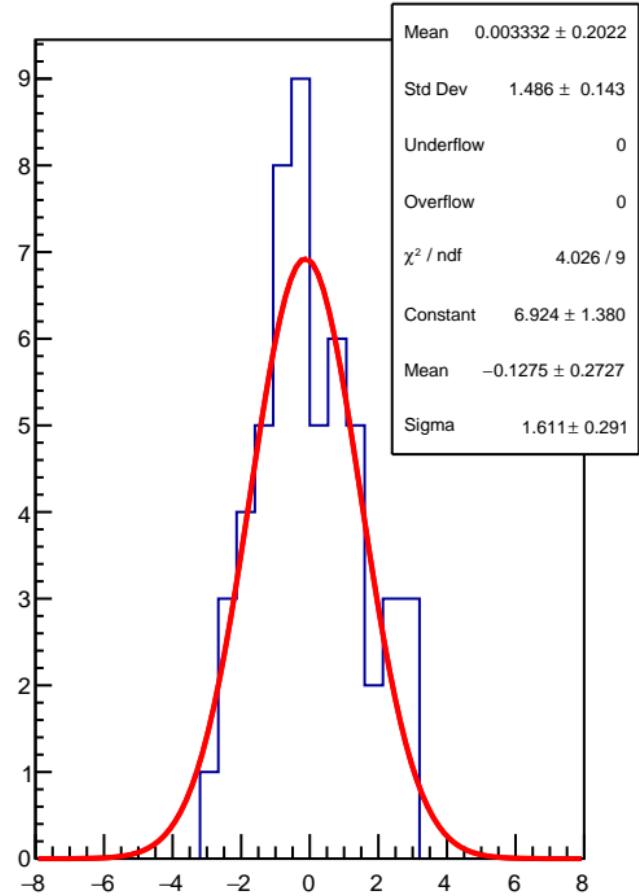
RMS (ppm)



corr\_us\_avg\_bpm16Y (ppb)



1D pull distribution



# corr\_us\_avg\_bpm16Y RMS (ppm)

RMS (ppm)

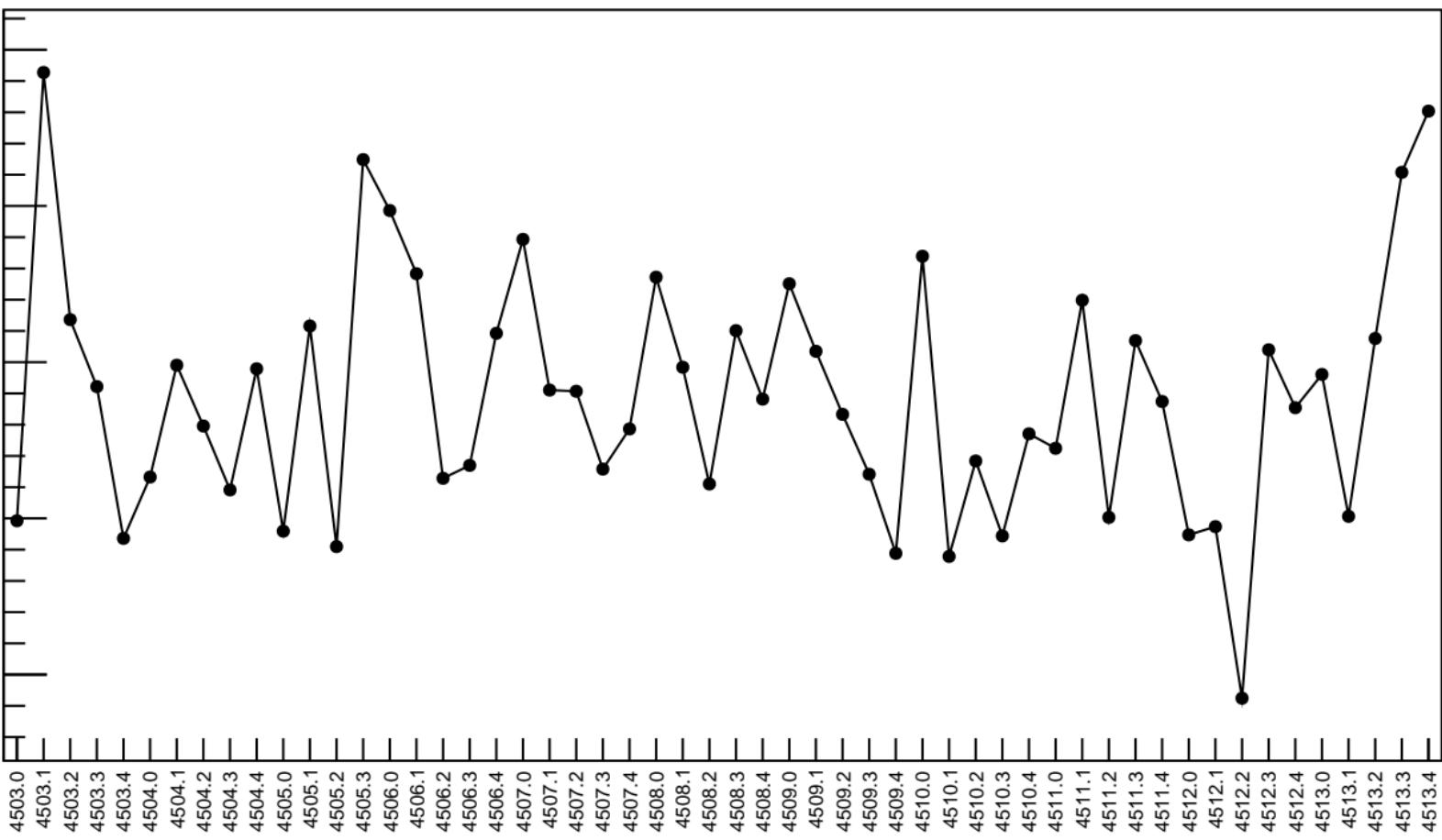
45

40

35

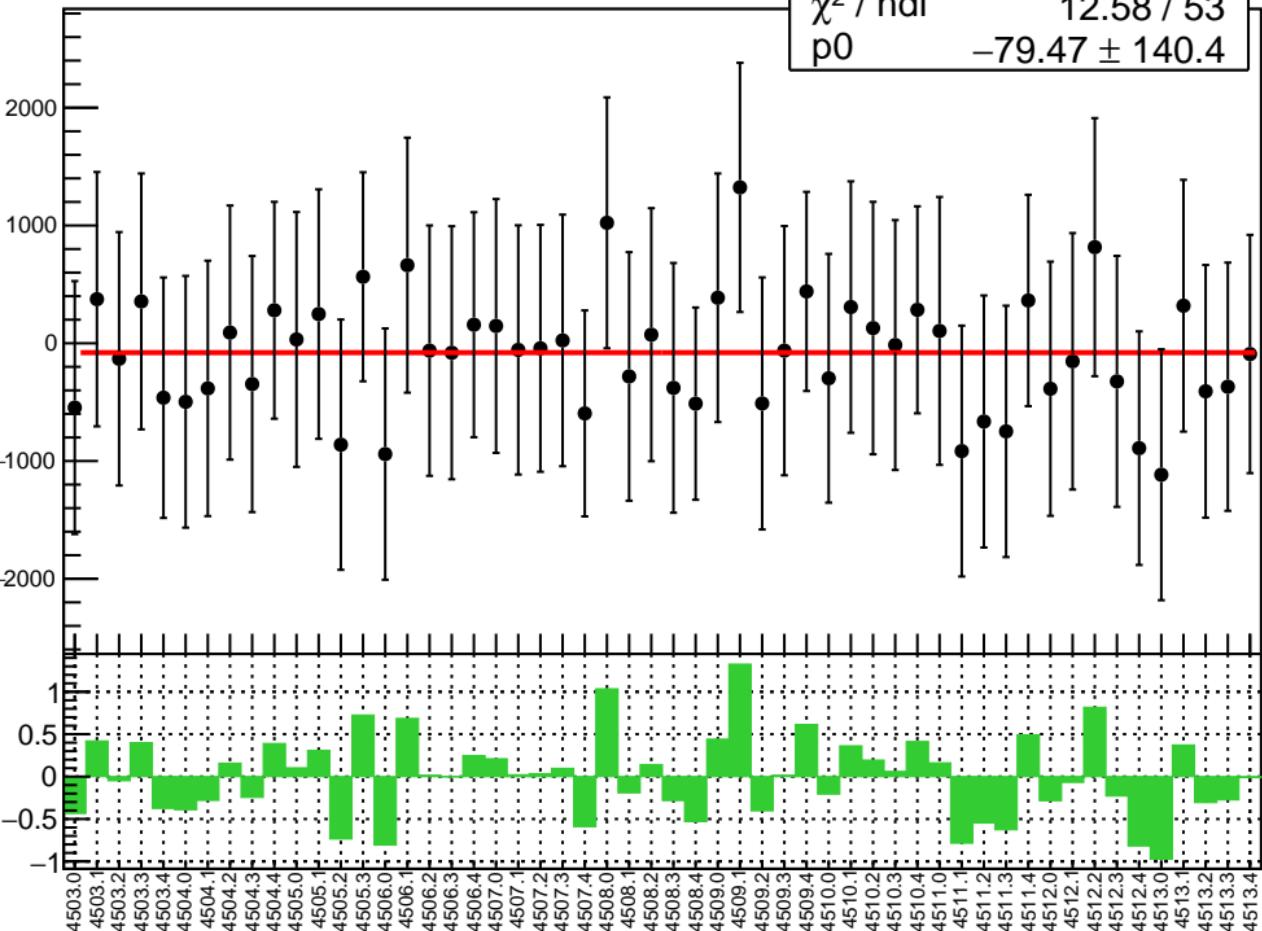
30

25

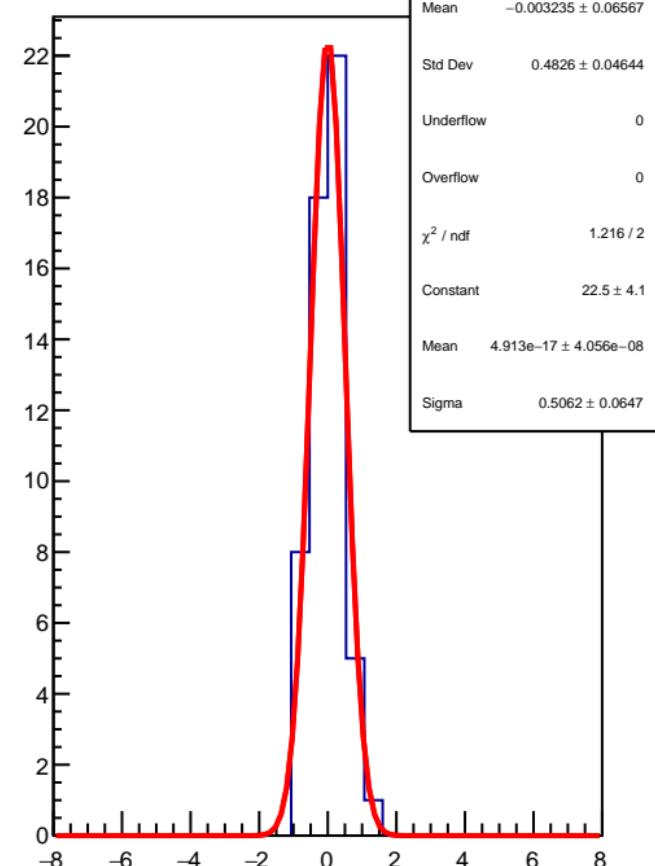


corr\_us\_avg\_bpm12X (ppb)

$\chi^2 / \text{ndf}$  12.58 / 53  
p0  $-79.47 \pm 140.4$

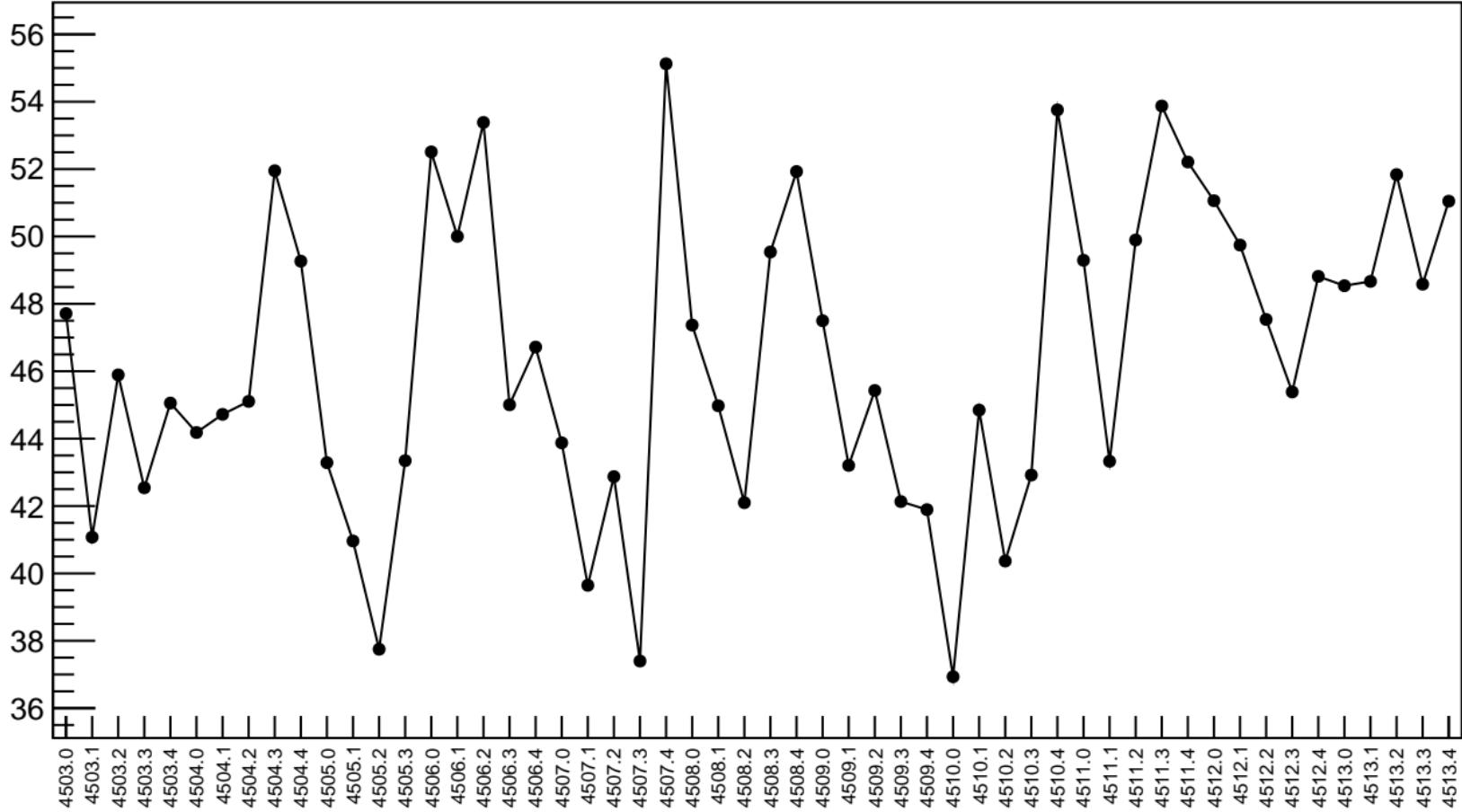


1D pull distribution



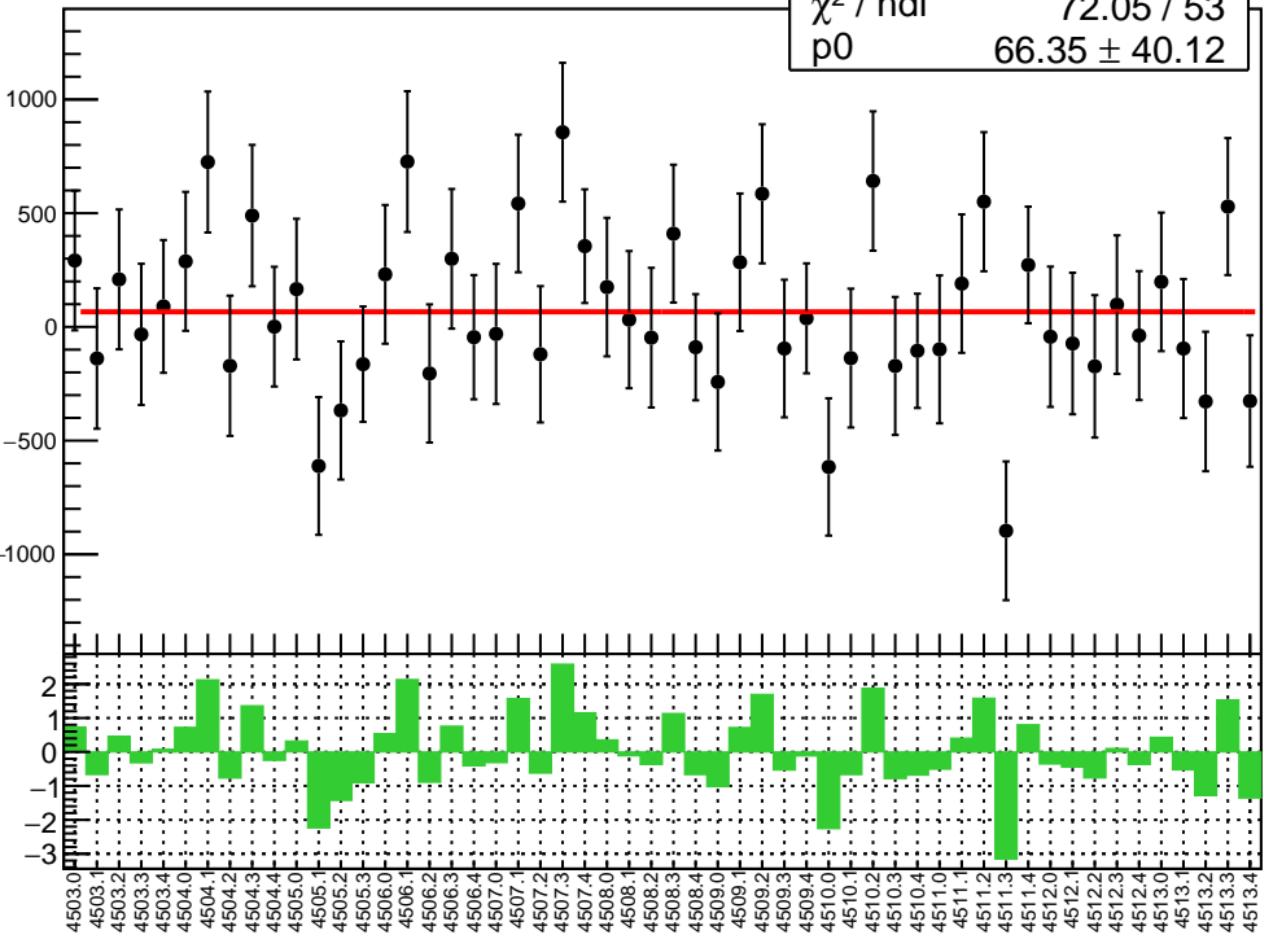
# corr\_us\_avg\_bpm12X RMS (ppm)

RMS (ppm)

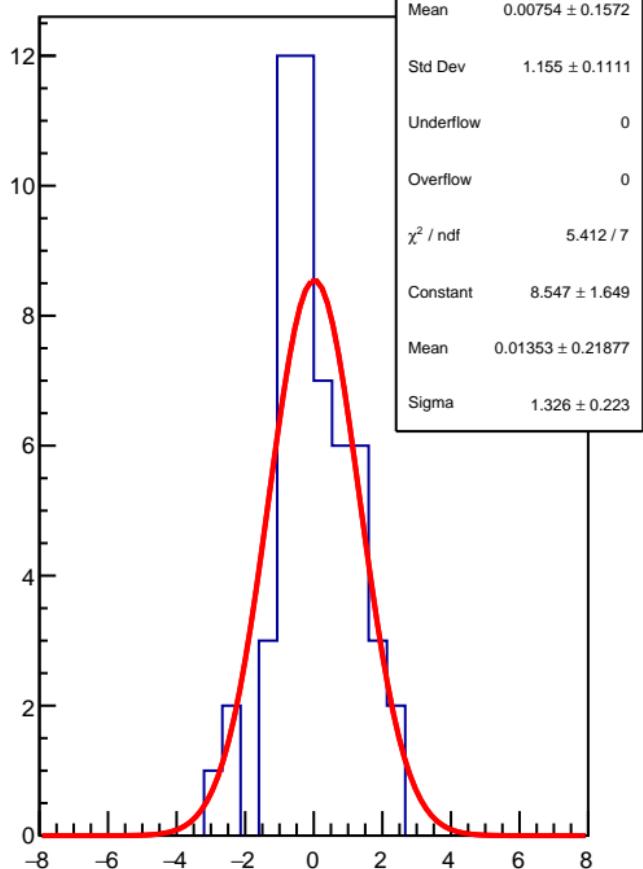


corr\_us\_avg\_bpm12Y (ppb)

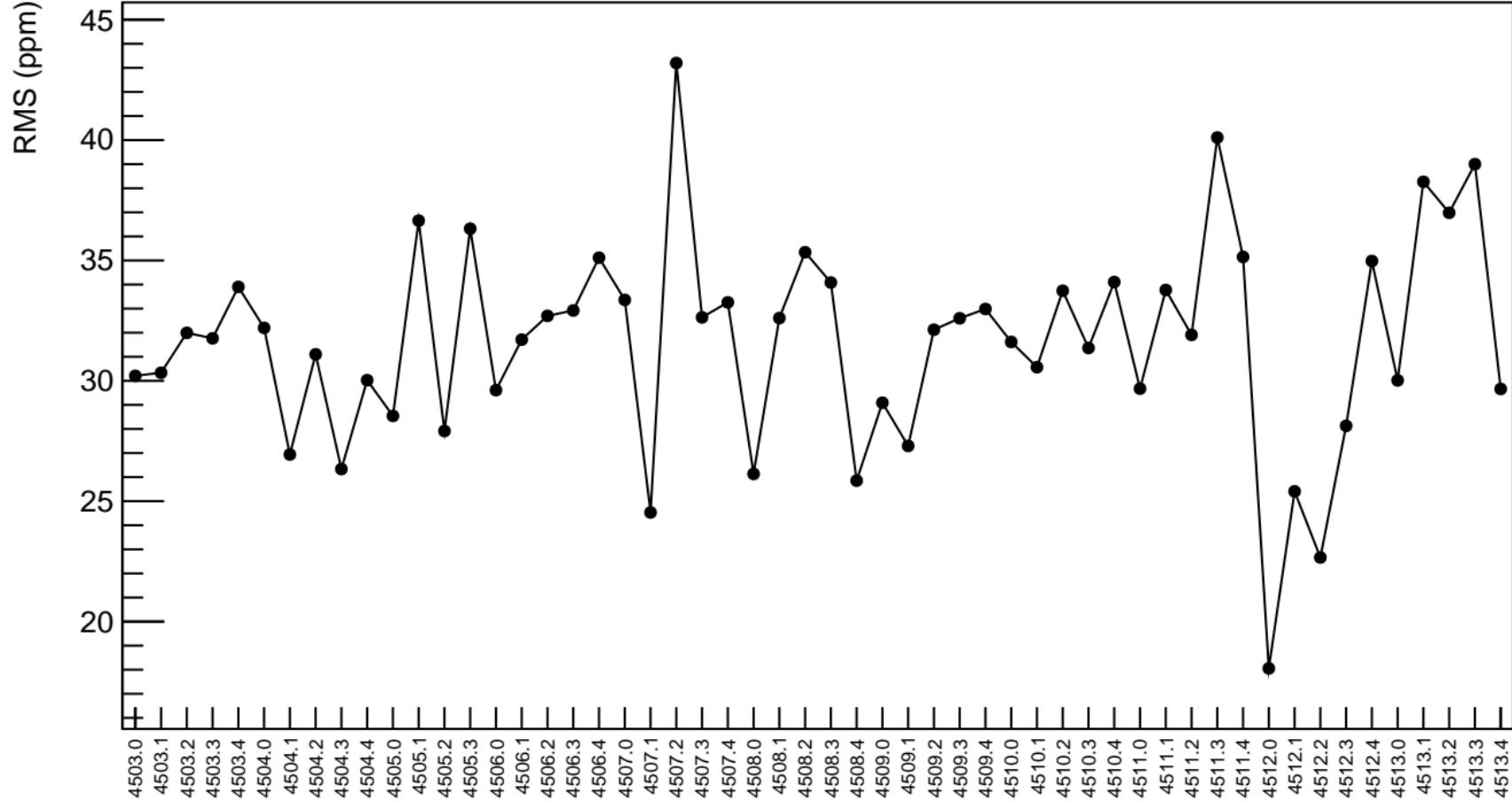
$\chi^2 / \text{ndf}$  72.05 / 53  
p0  $66.35 \pm 40.12$



1D pull distribution

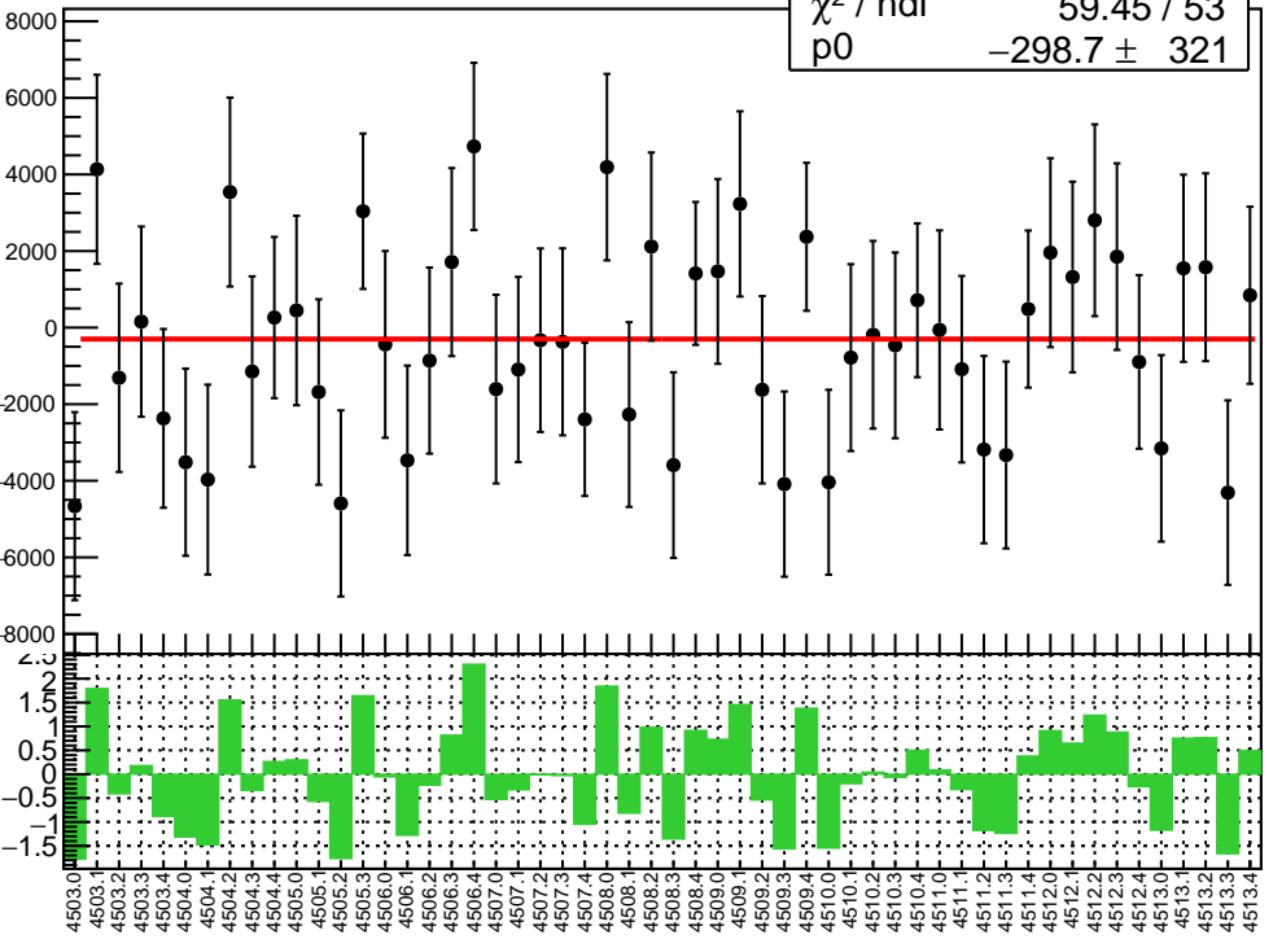


# corr\_us\_avg\_bpm12Y RMS (ppm)

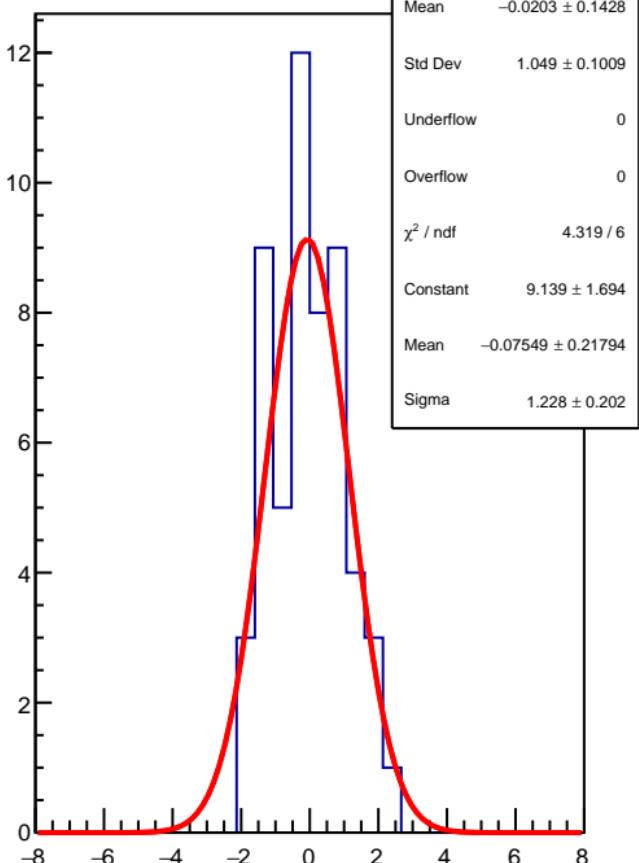


corr\_us\_avg\_bpm11X (ppb)

$\chi^2 / \text{ndf}$  59.45 / 53  
p0  $-298.7 \pm 321$

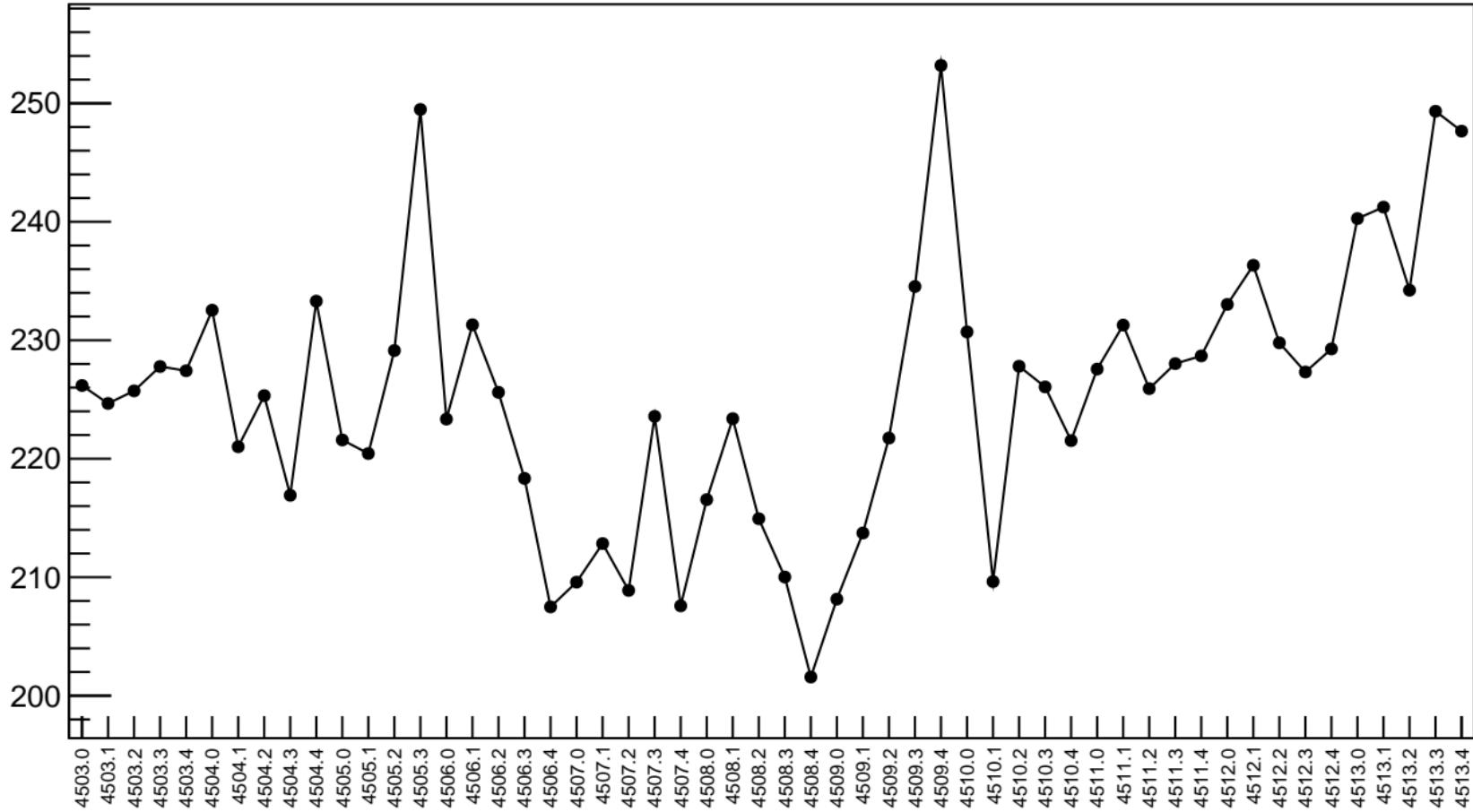


1D pull distribution



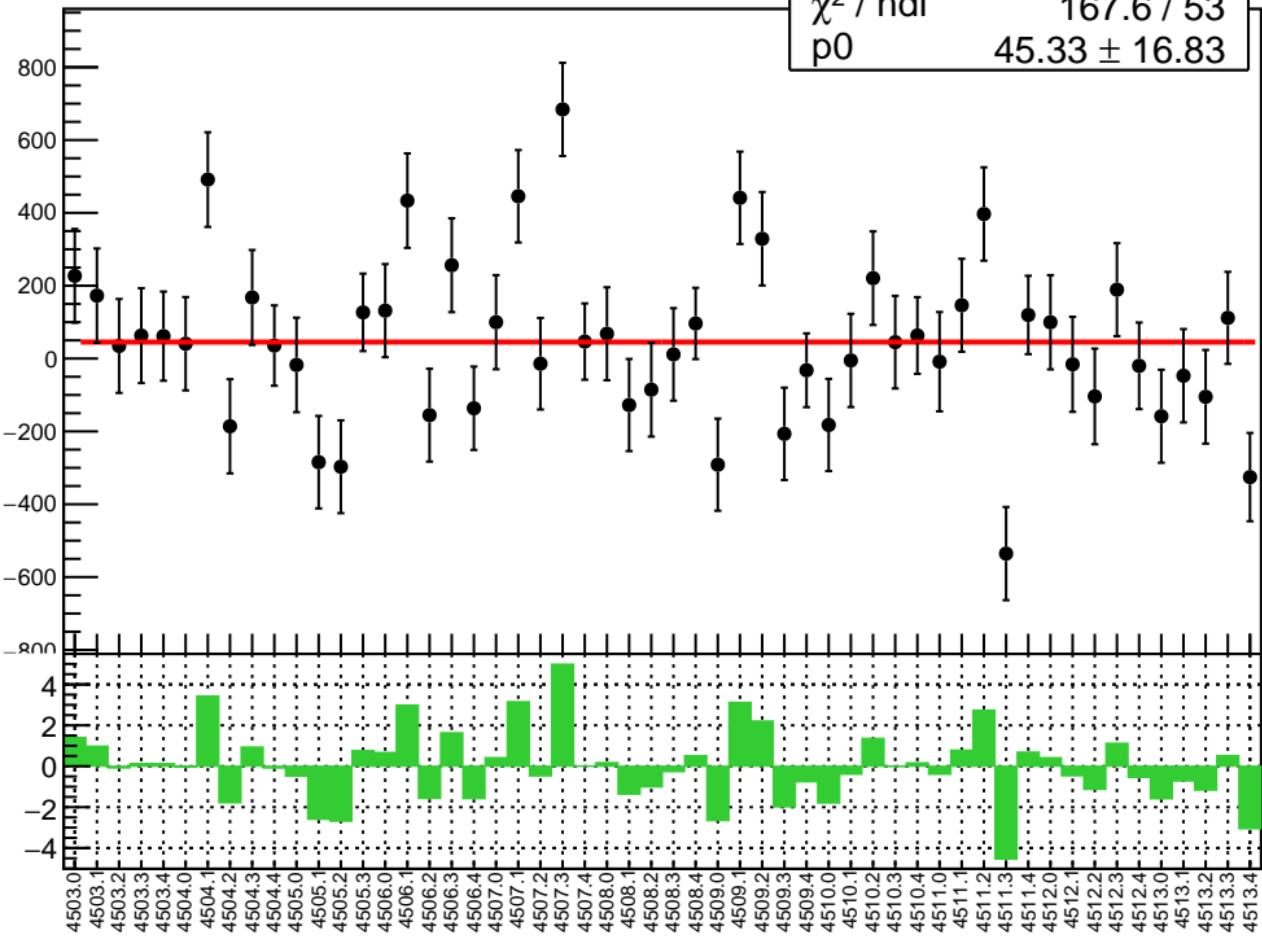
# corr\_us\_avg\_bpm11X RMS (ppm)

RMS (ppm)

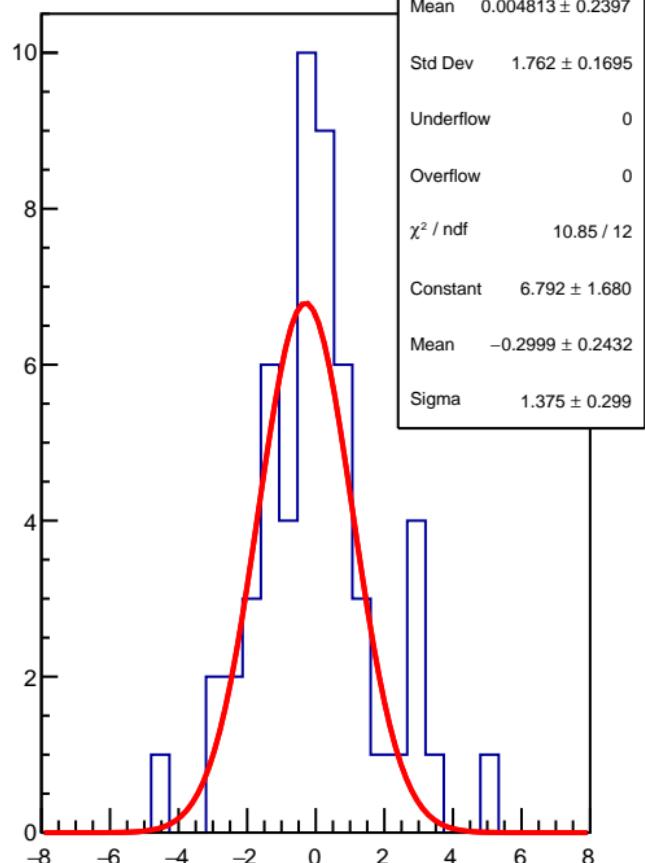


corr\_us\_avg\_bpm11Y (ppb)

$\chi^2 / \text{ndf}$  167.6 / 53  
p0  $45.33 \pm 16.83$

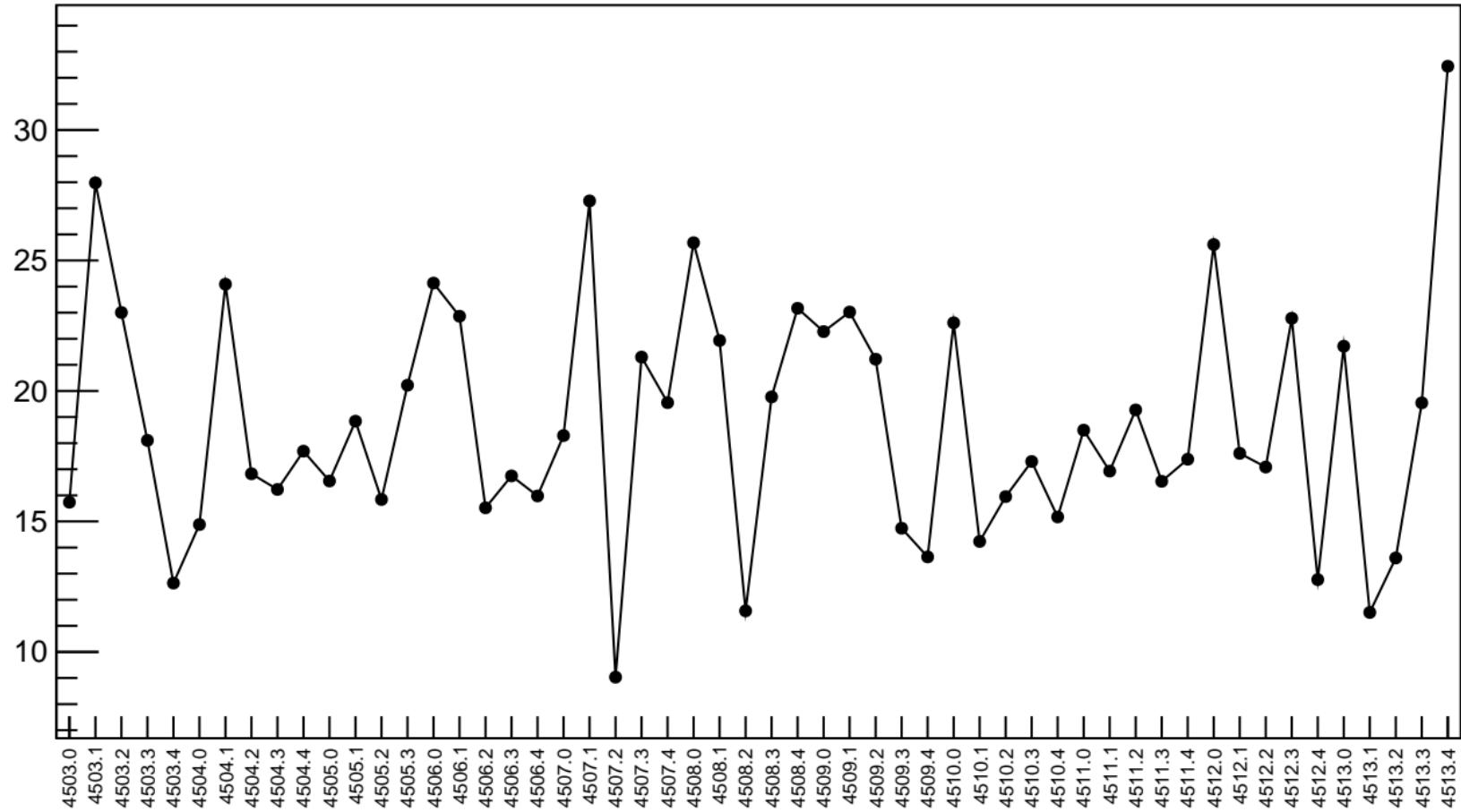


1D pull distribution

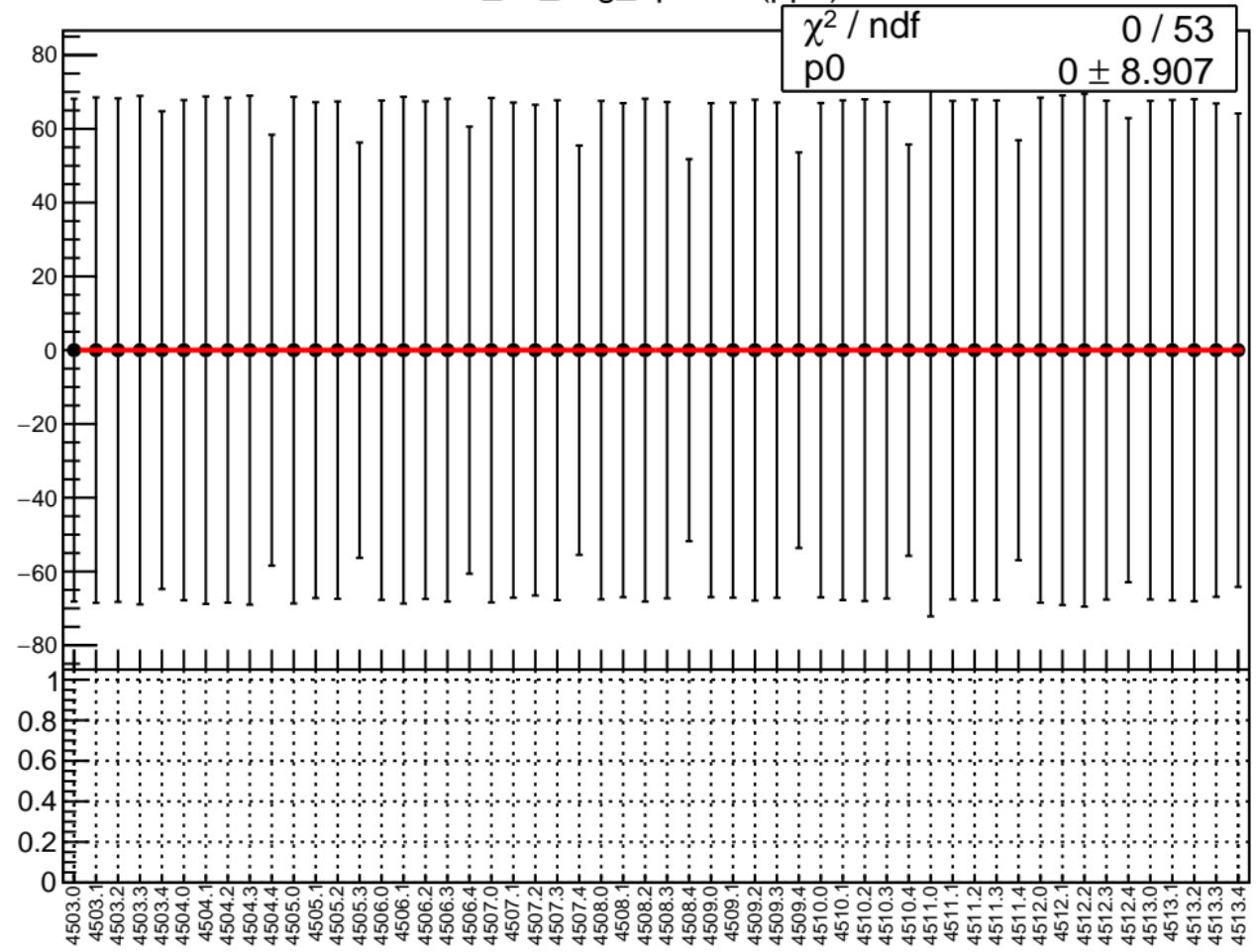


# corr\_us\_avg\_bpm11Y RMS (ppm)

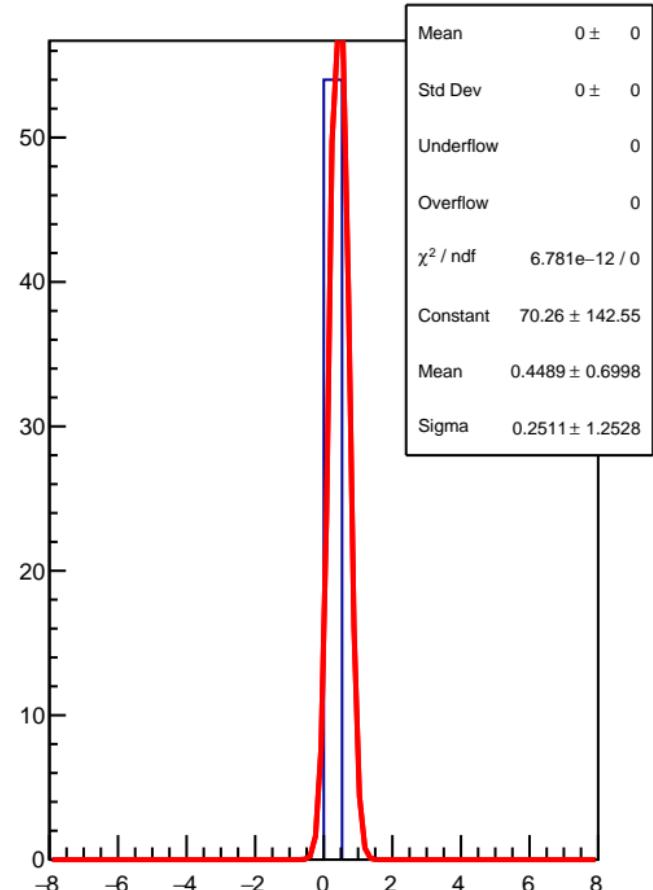
RMS (ppm)



corr\_us\_avg\_bpm8X (ppb)

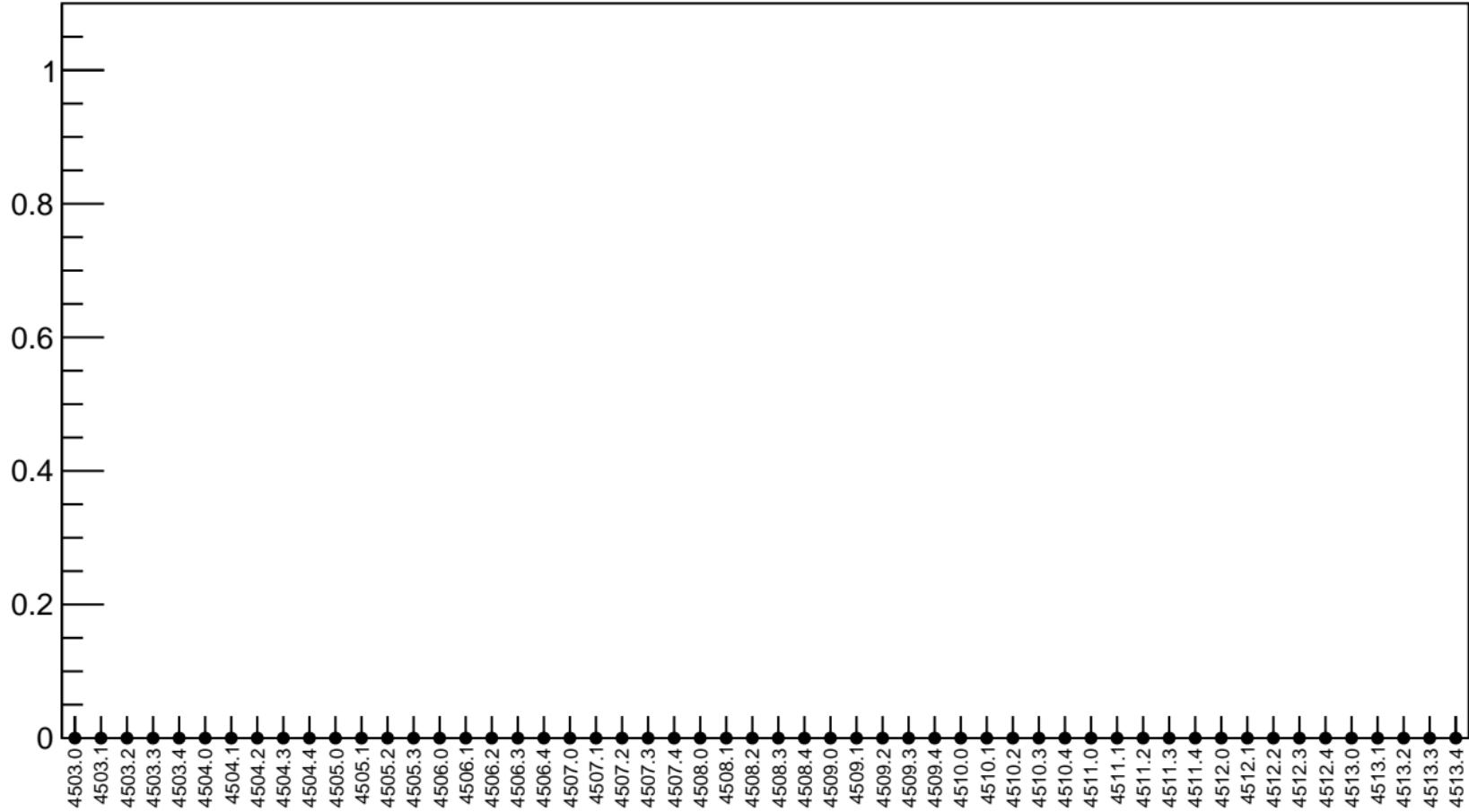


1D pull distribution

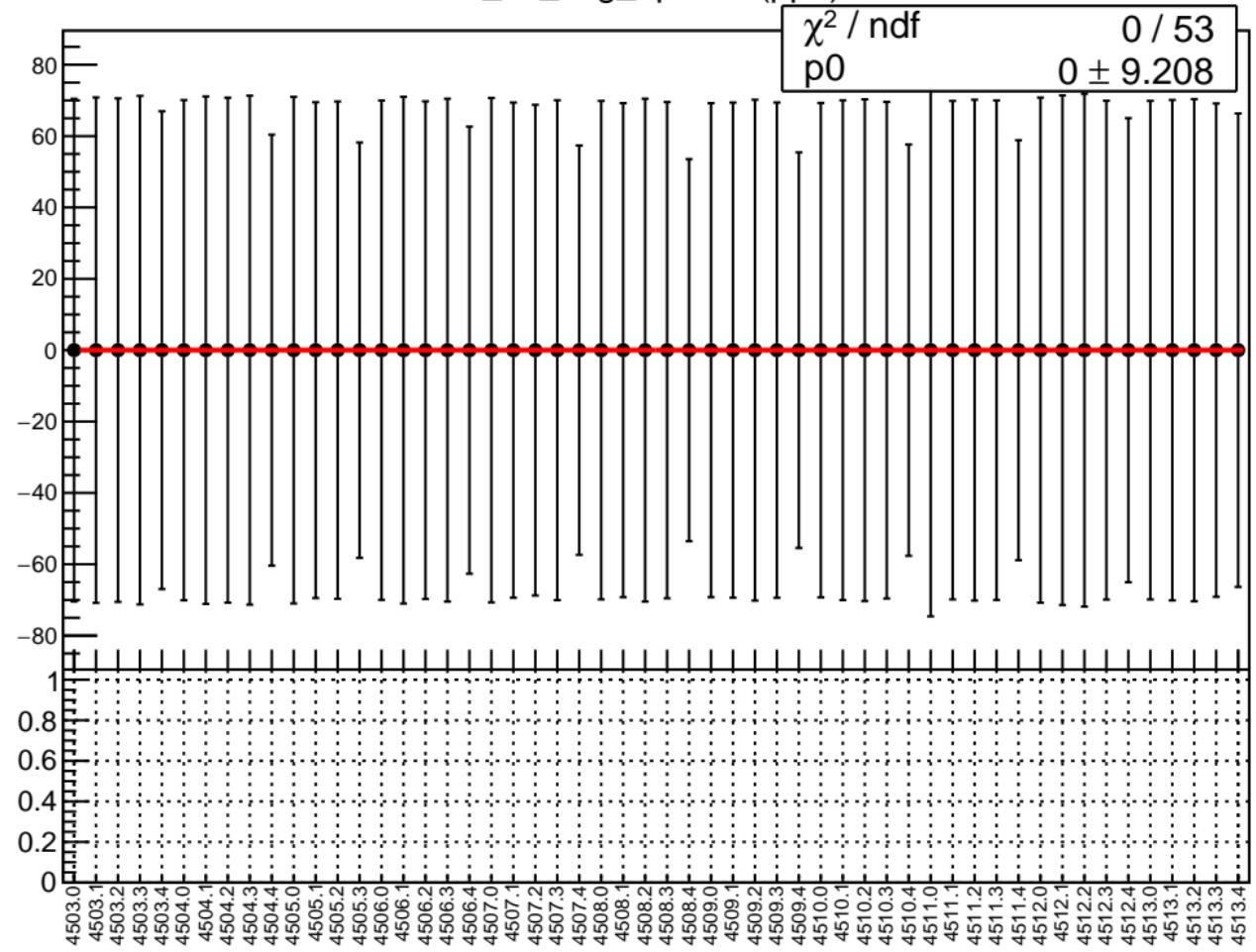


# corr\_us\_avg\_bpm8X RMS (ppm)

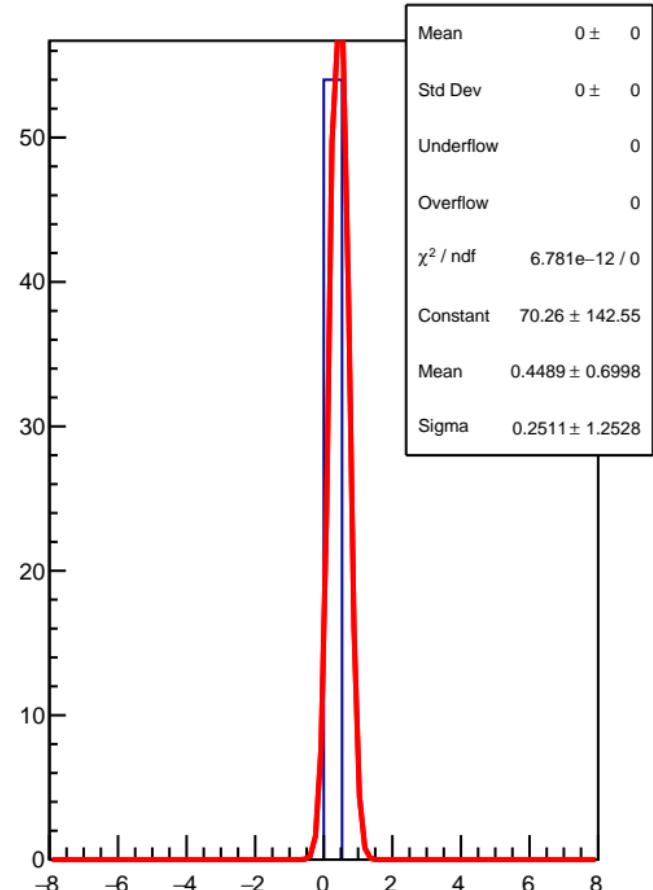
RMS (ppm)



corr\_us\_avg\_bpm8Y (ppb)

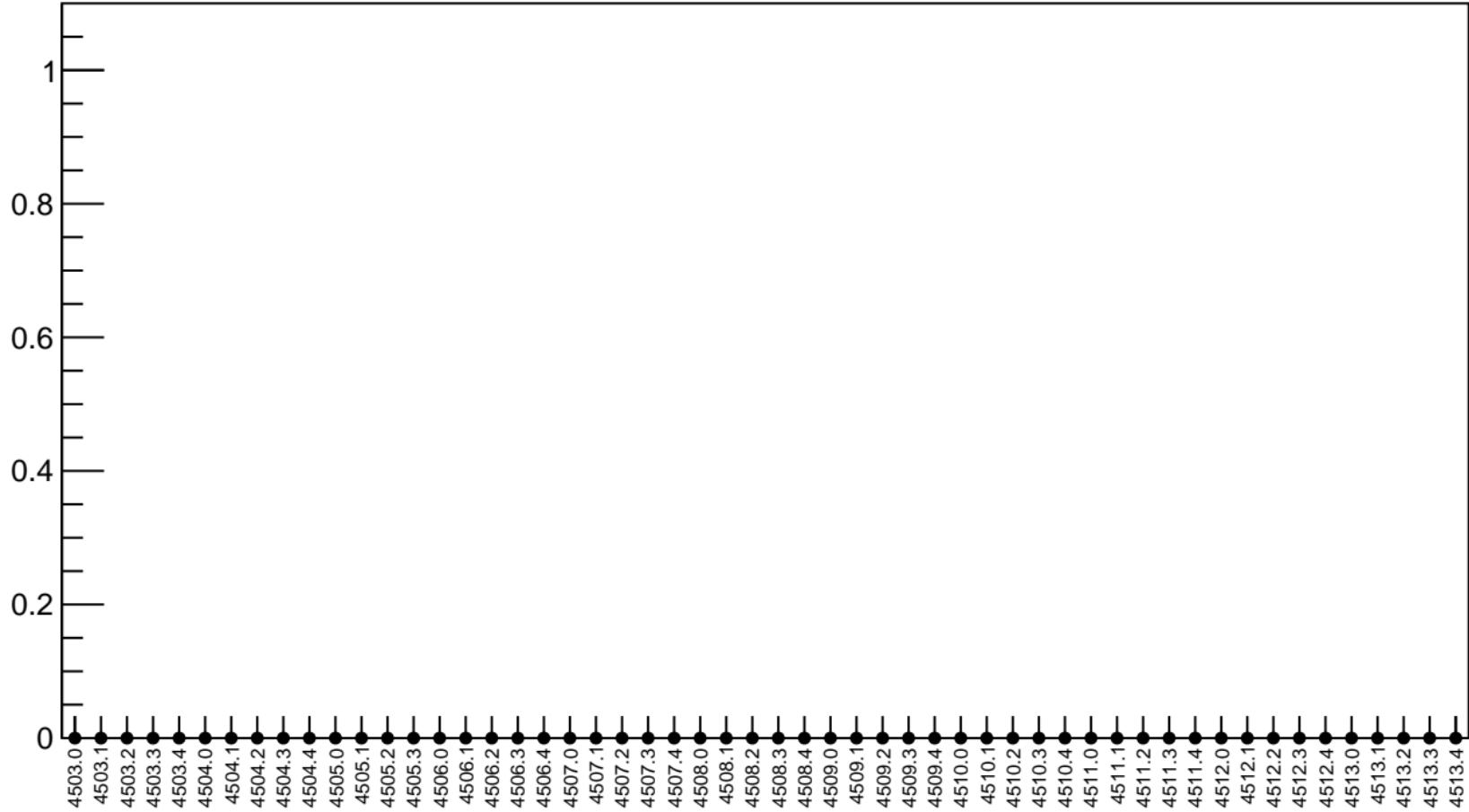


1D pull distribution

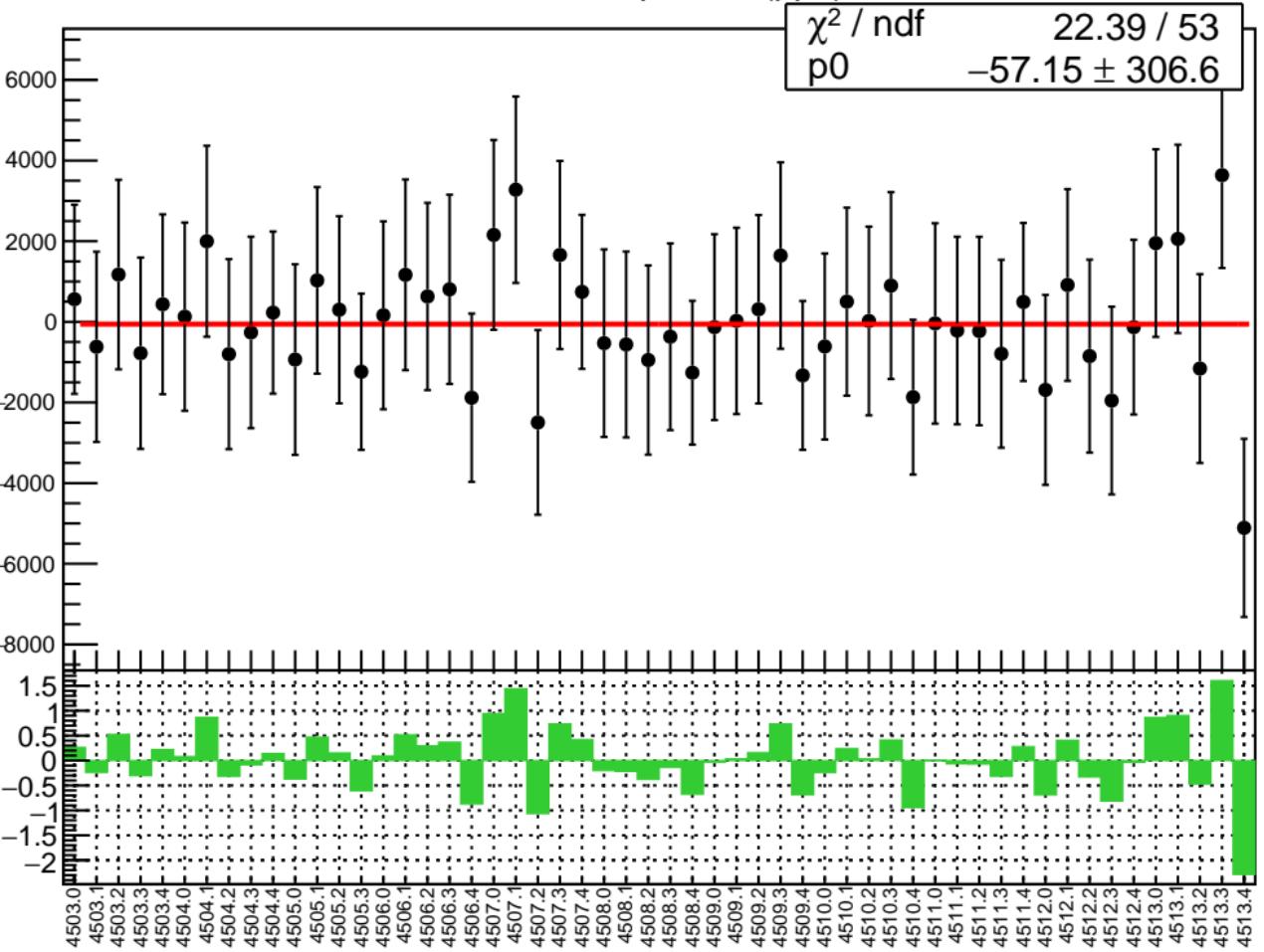


# corr\_us\_avg\_bpm8Y RMS (ppm)

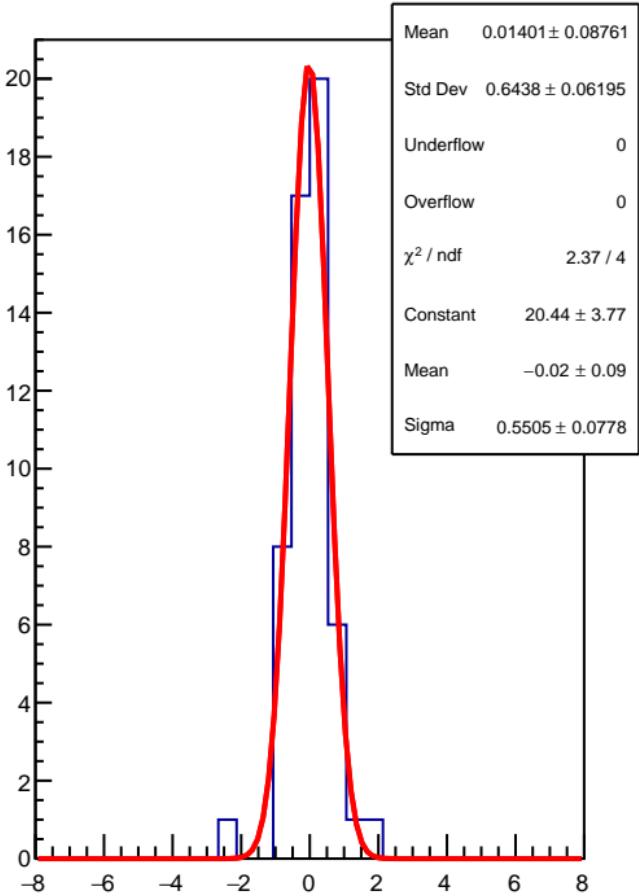
RMS (ppm)



corr\_us\_dd\_bpm4eX (ppb)

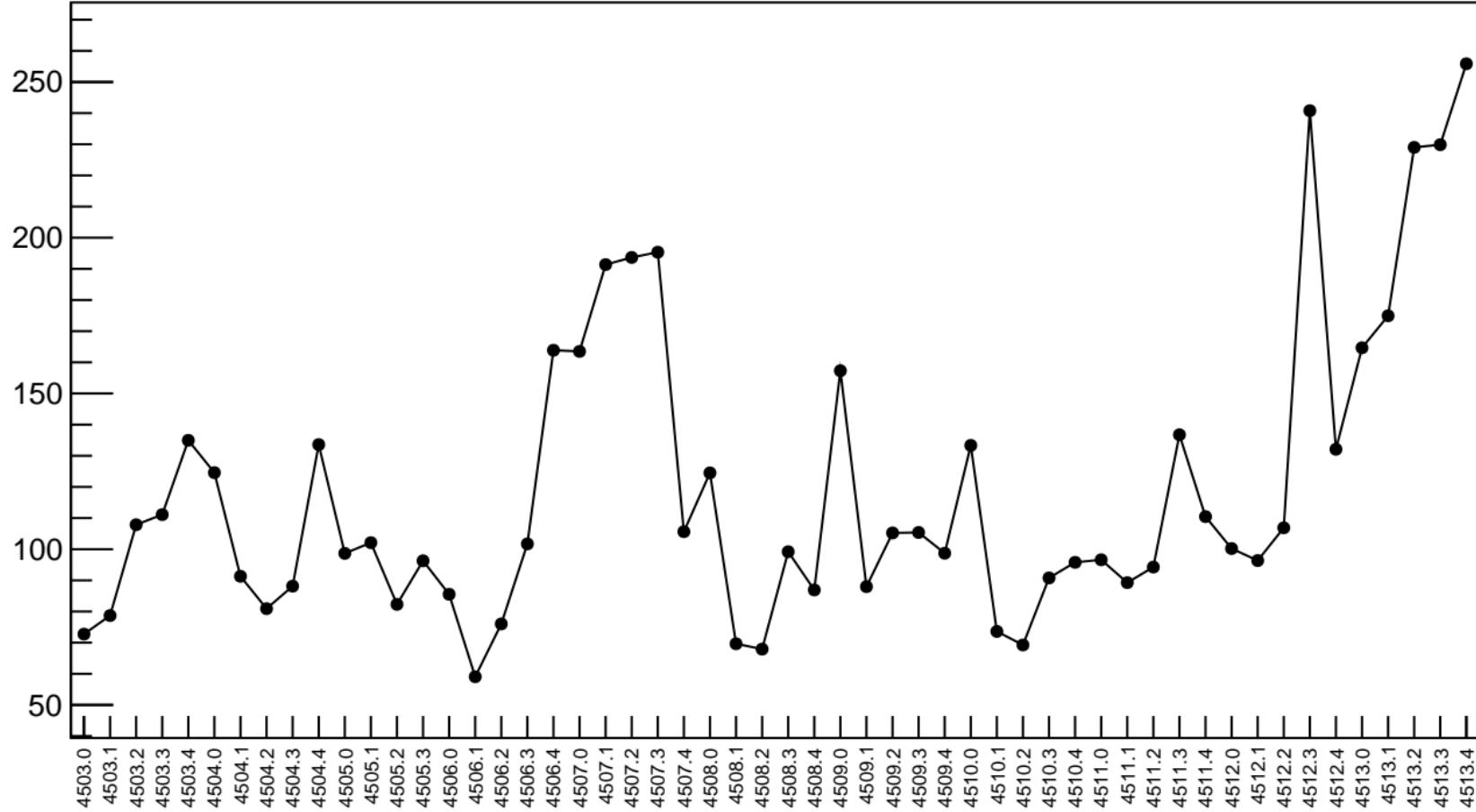


1D pull distribution

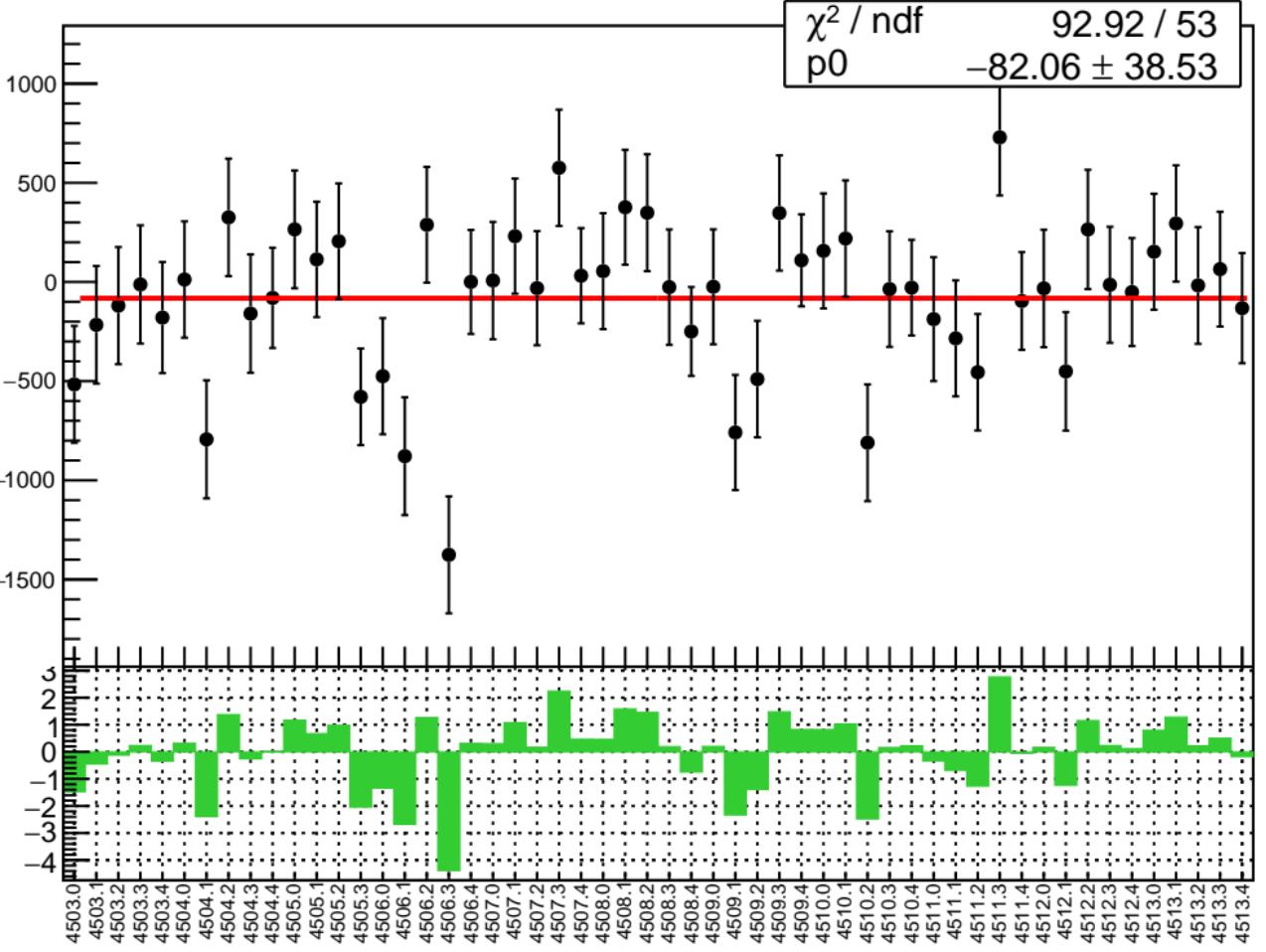


# corr\_us\_dd\_bpm4eX RMS (ppm)

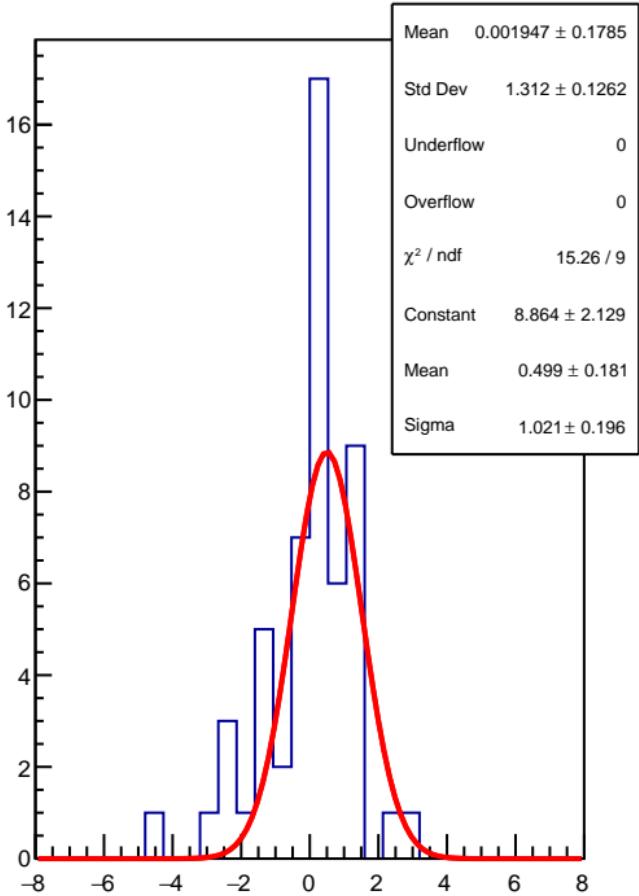
RMS (ppm)



corr\_us\_dd\_bpm4eY (ppb)

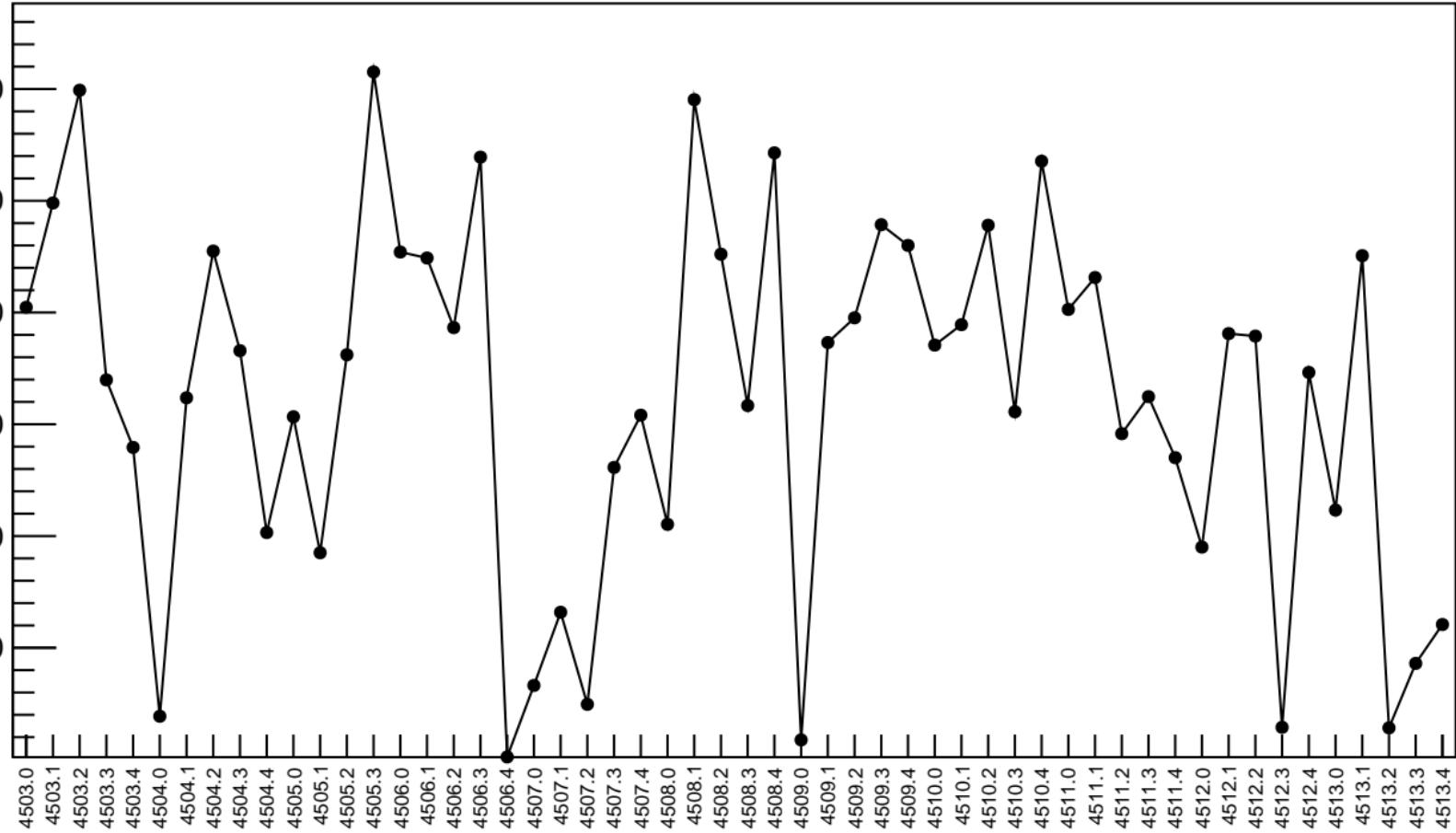


1D pull distribution

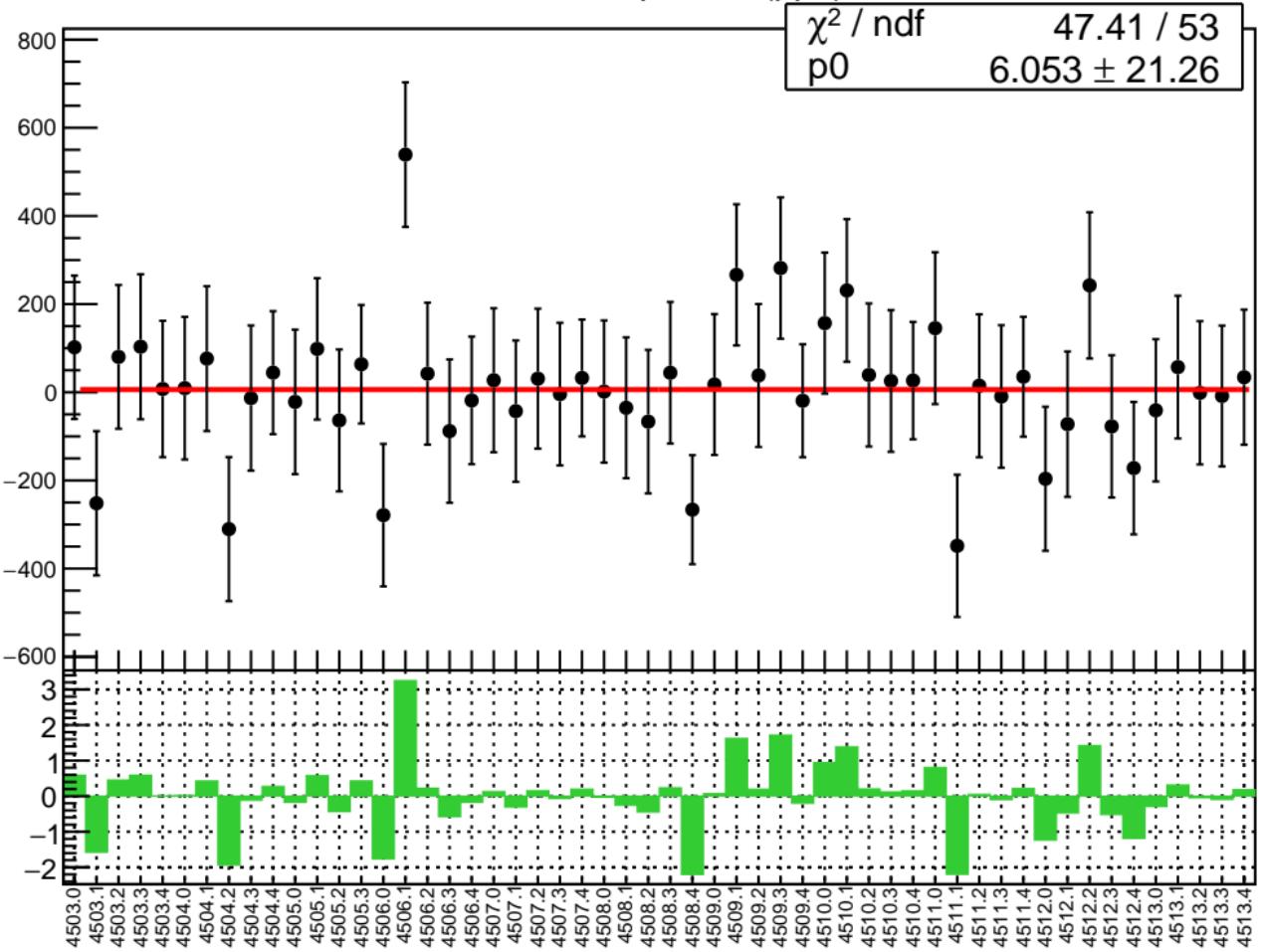


# corr\_us\_dd\_bpm4eY RMS (ppm)

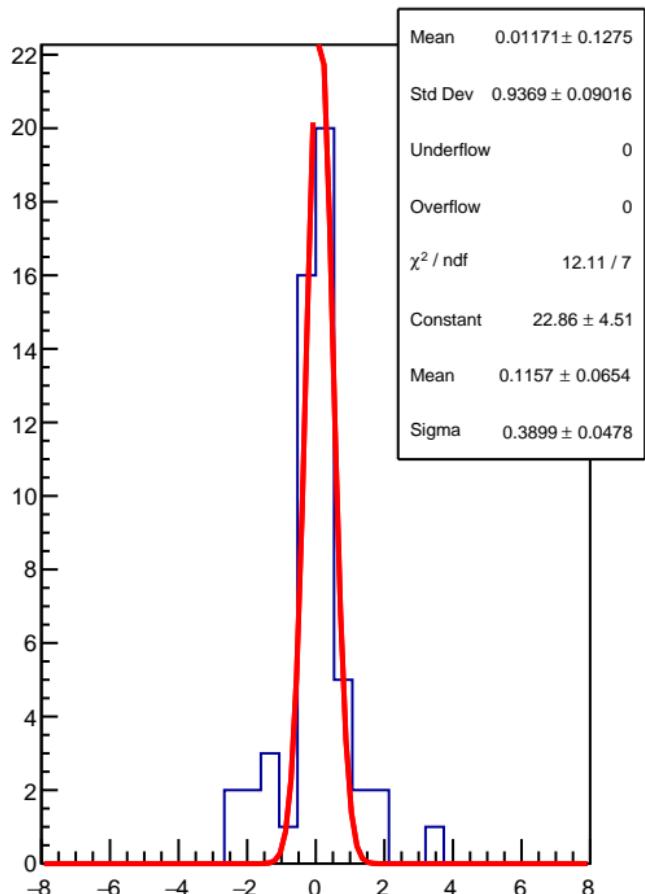
RMS (ppm)



corr\_us\_dd\_bpm4aX (ppb)

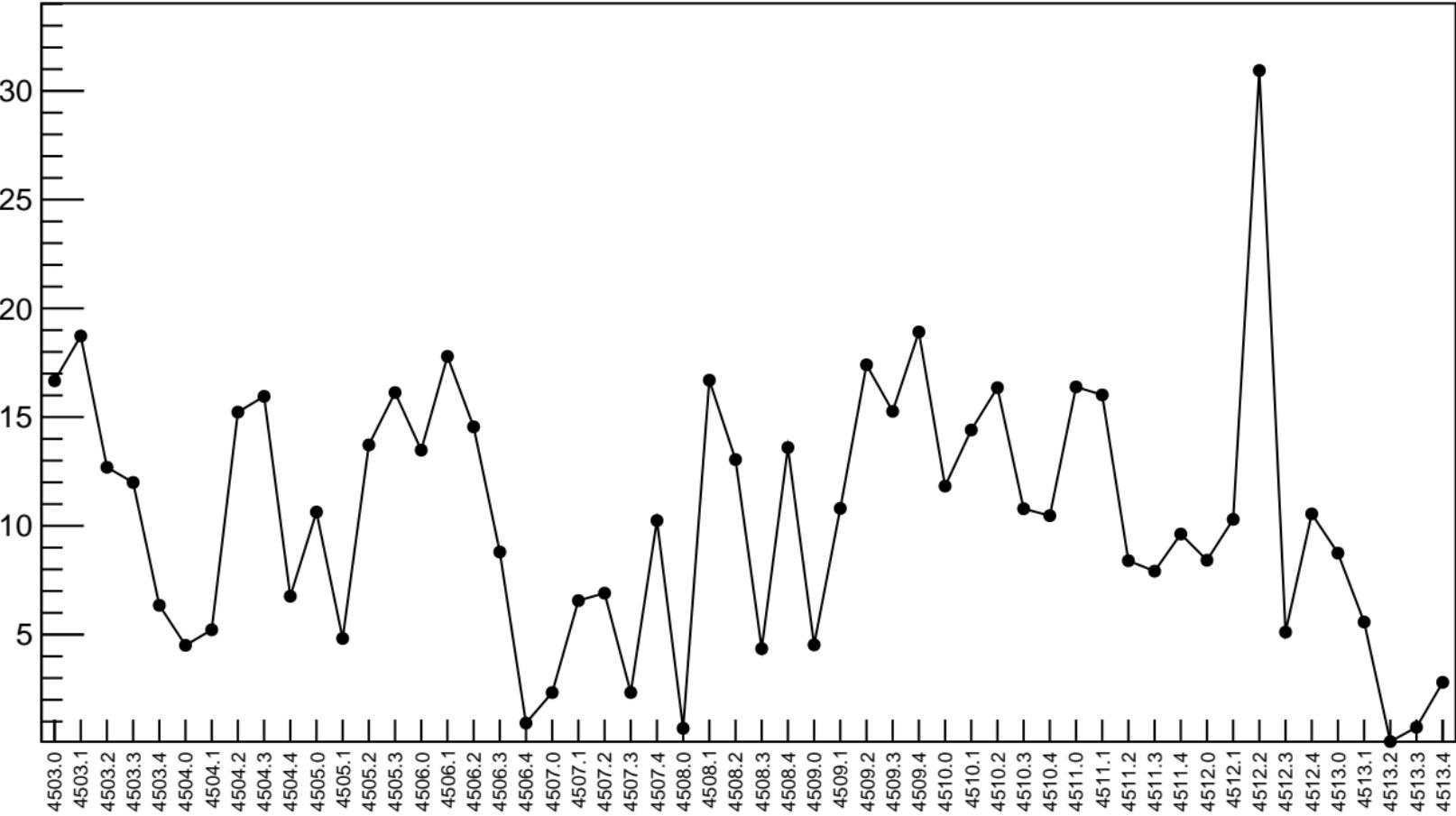


1D pull distribution



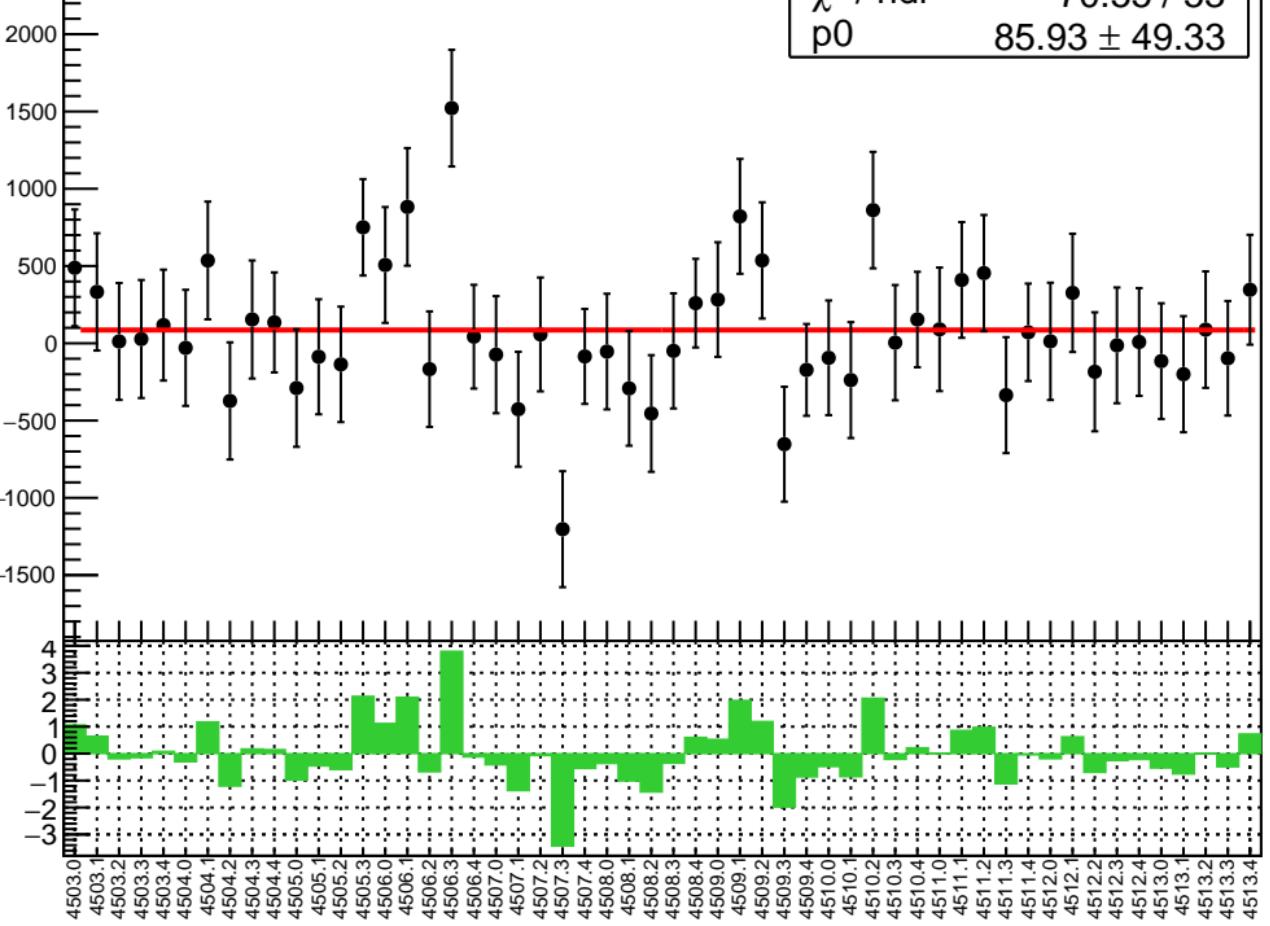
# corr\_us\_dd\_bpm4aX RMS (ppm)

RMS (ppm)

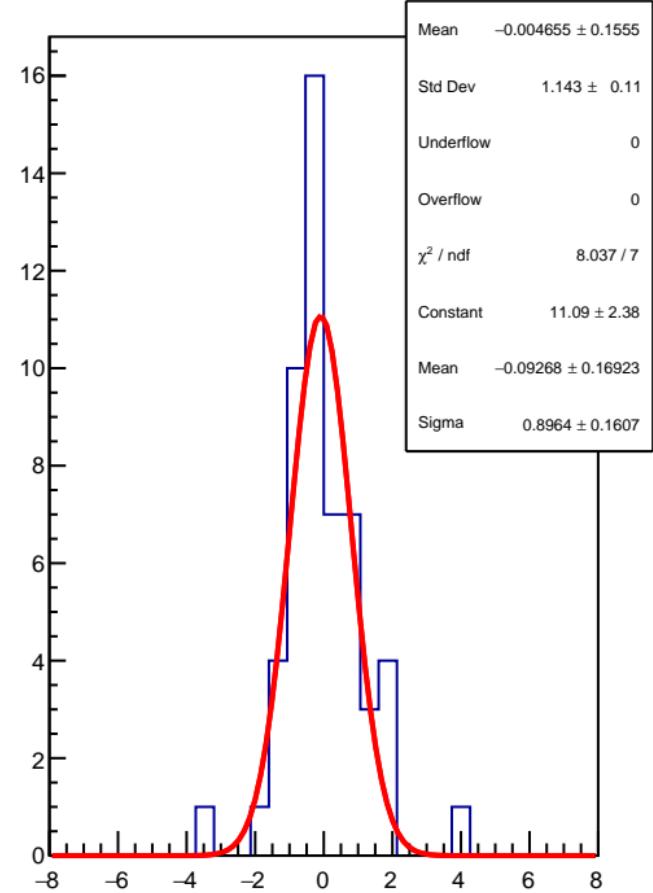


corr\_us\_dd\_bpm4aY (ppb)

$\chi^2 / \text{ndf}$  70.55 / 53  
p0  $85.93 \pm 49.33$

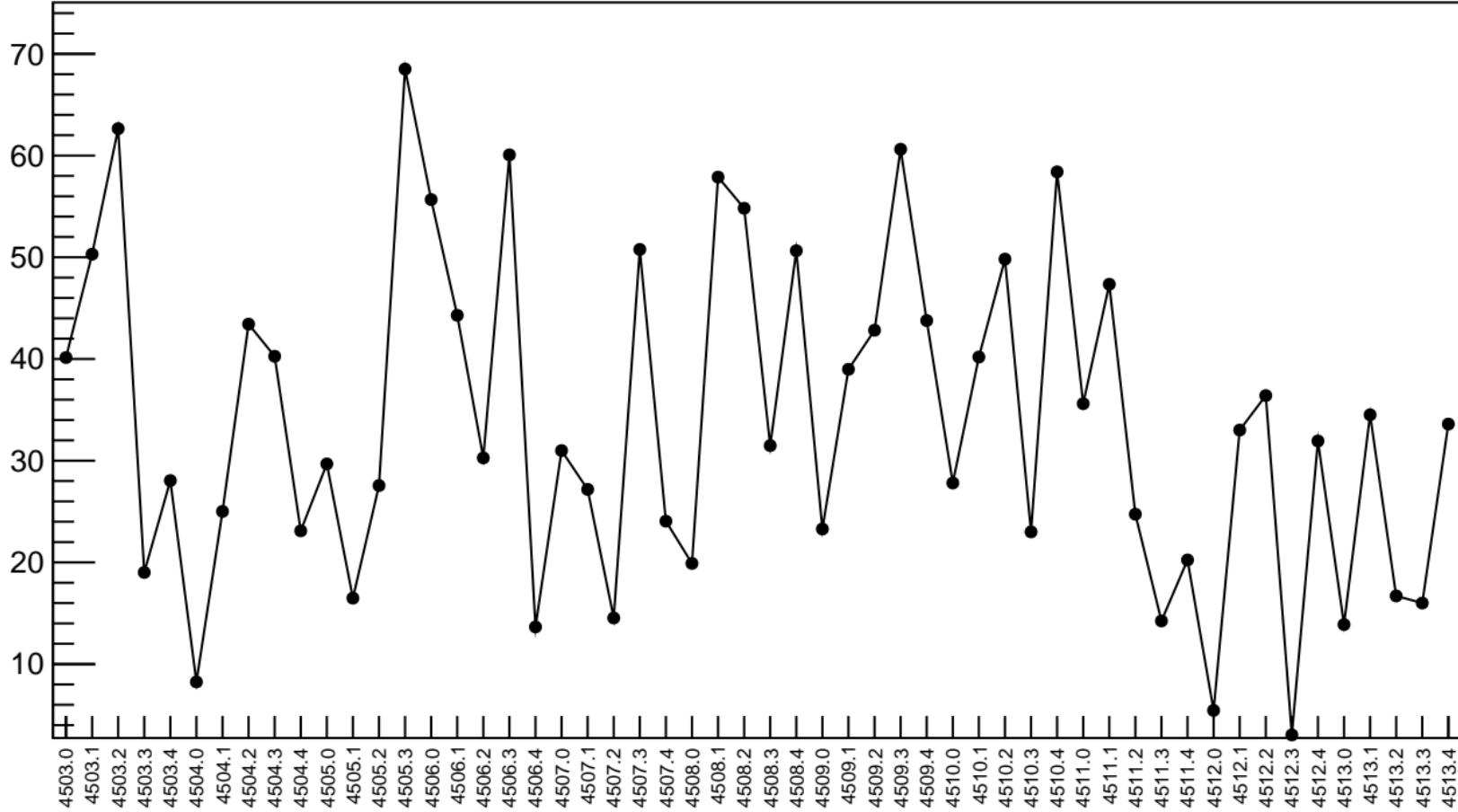


1D pull distribution

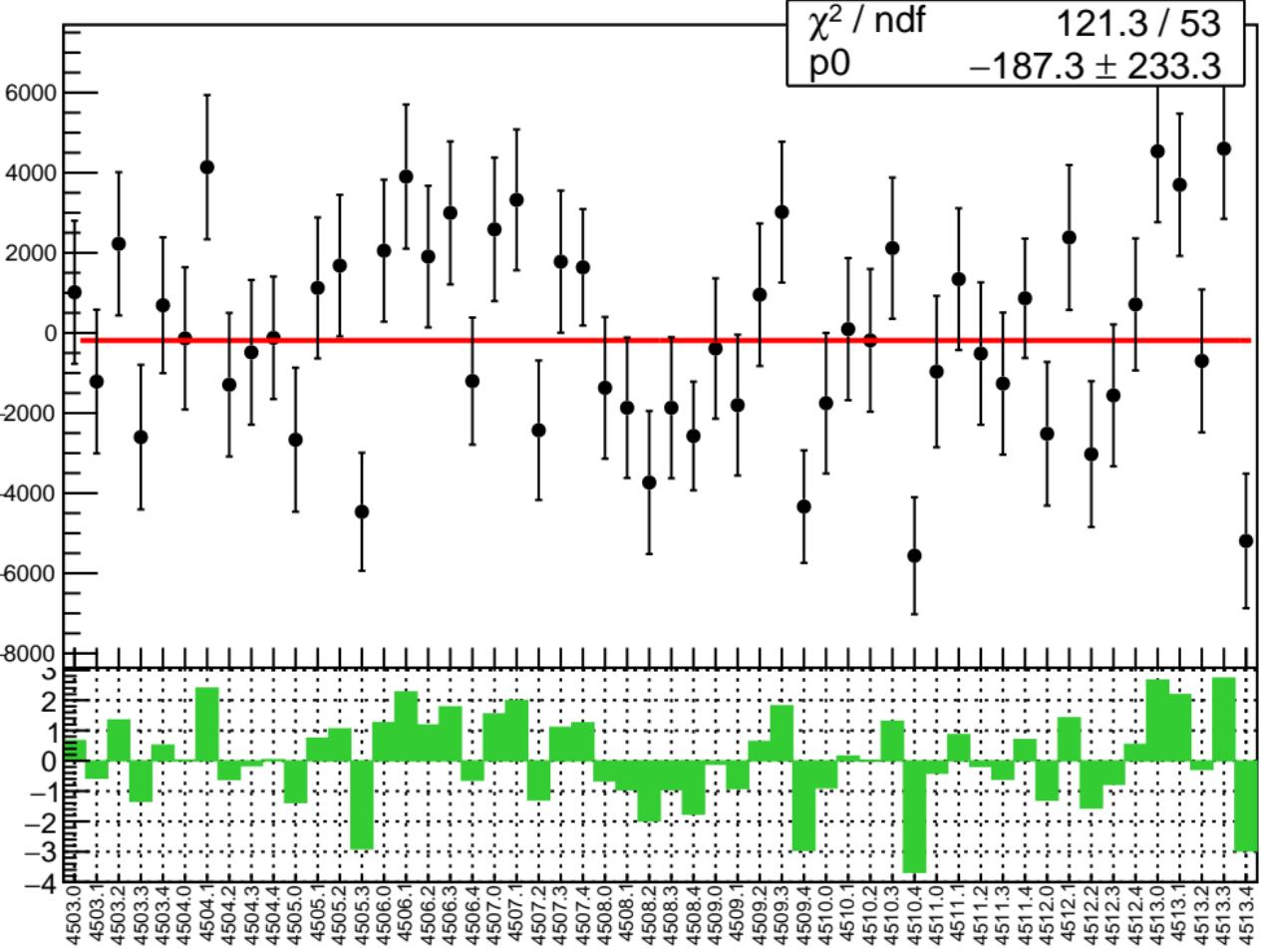


# corr\_us\_dd\_bpm4aY RMS (ppm)

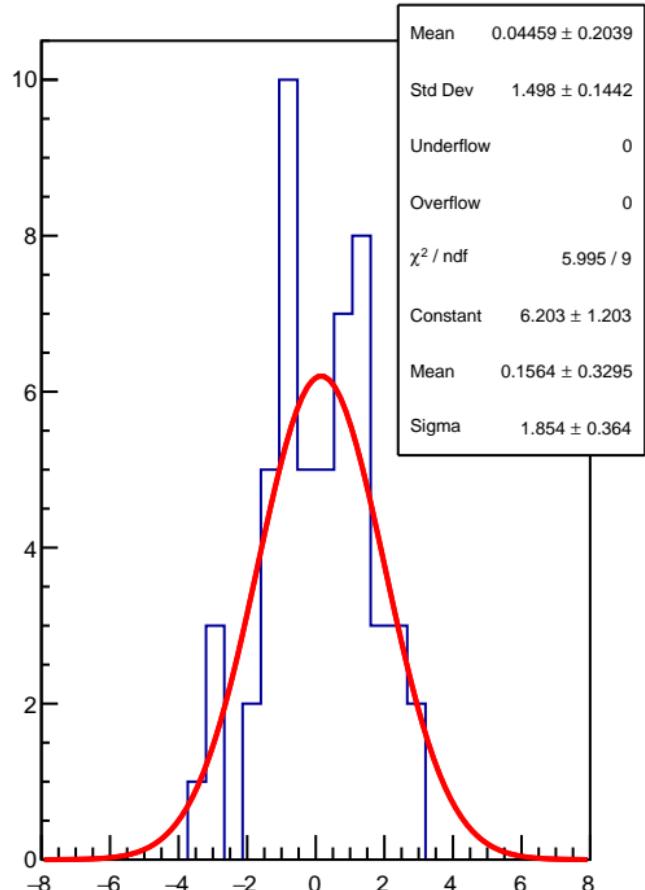
RMS (ppm)



corr\_us\_dd\_bpm1X (ppb)

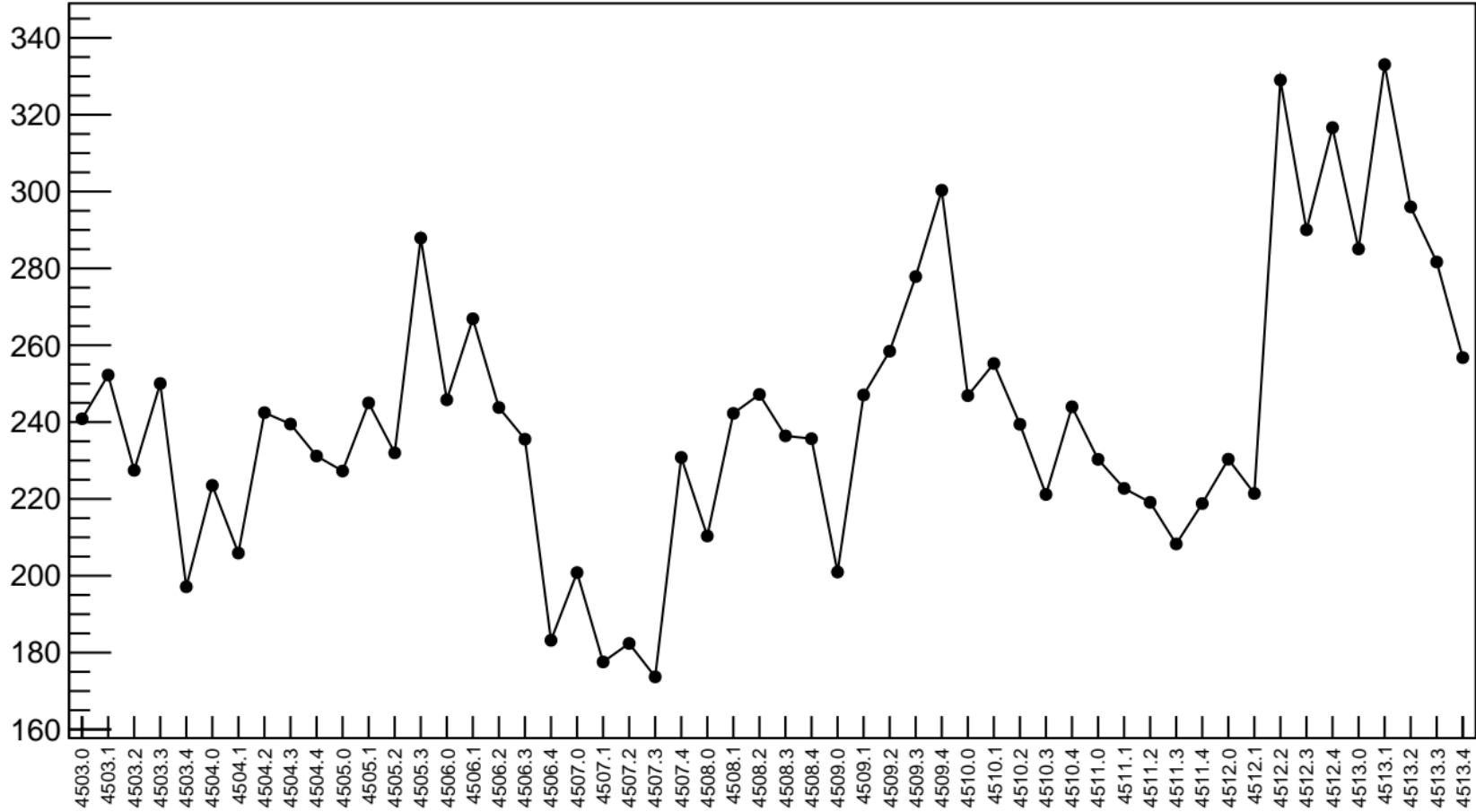


1D pull distribution

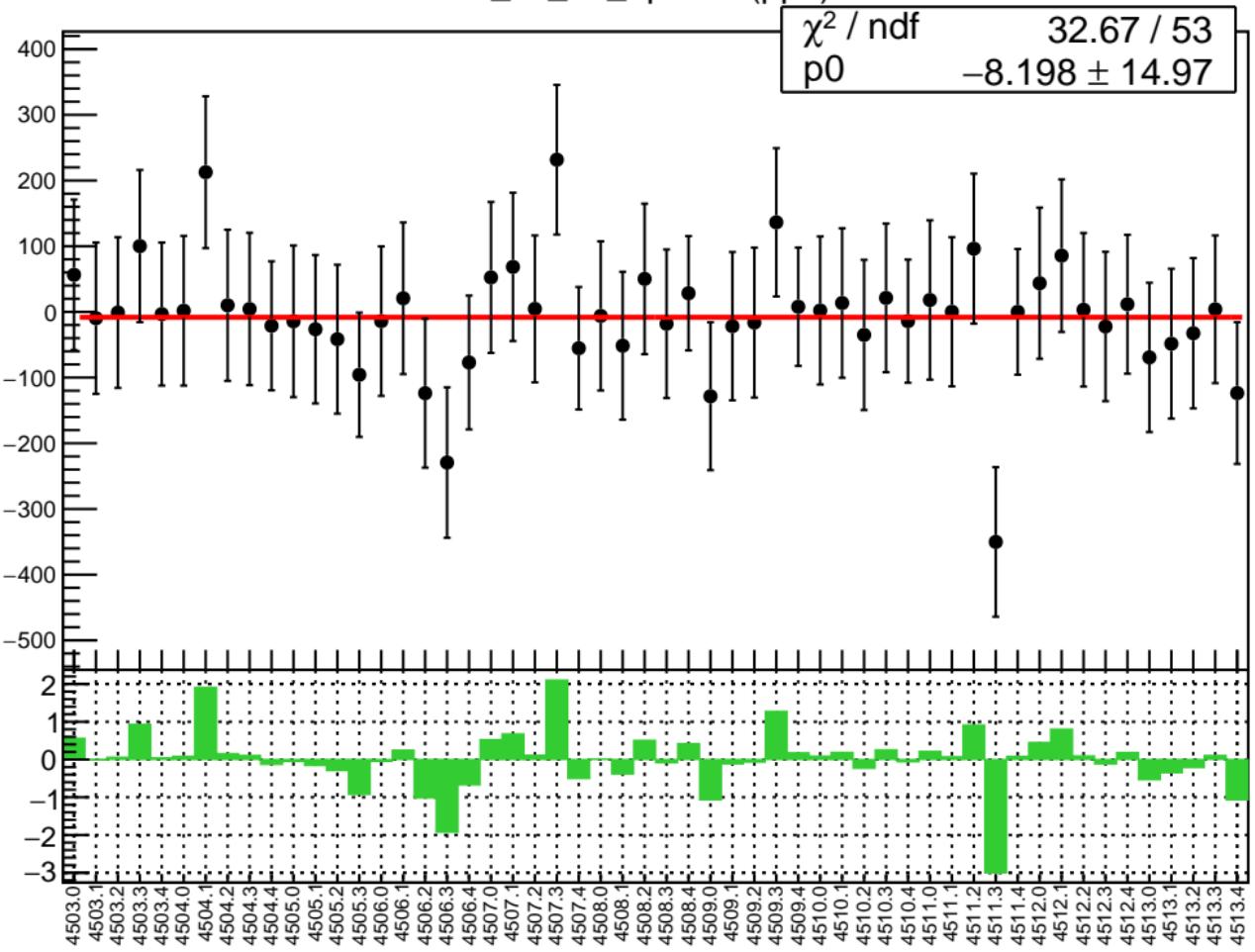


# corr\_us\_dd\_bpm1X RMS (ppm)

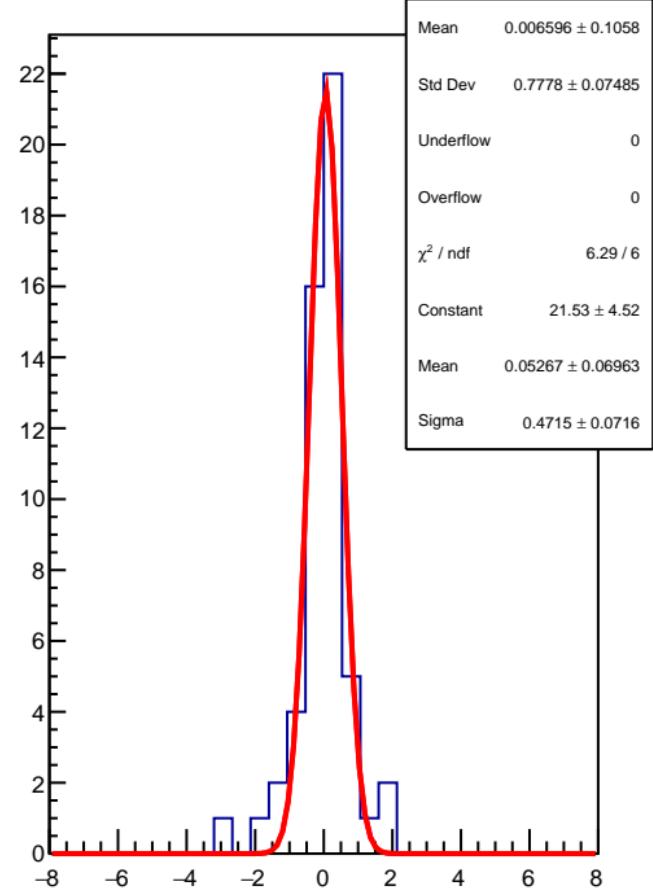
RMS (ppm)



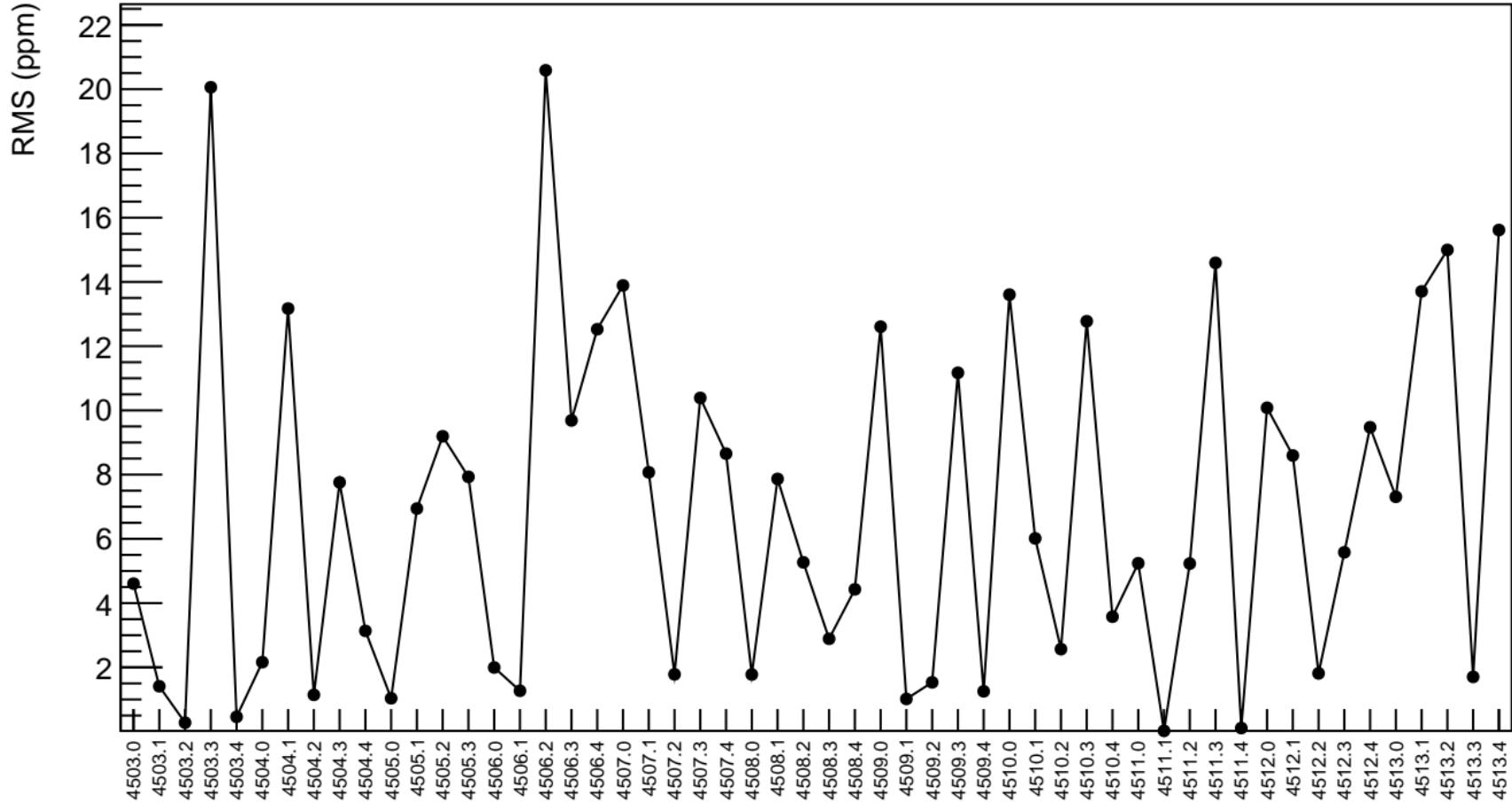
corr\_us\_dd\_bpm1Y (ppb)



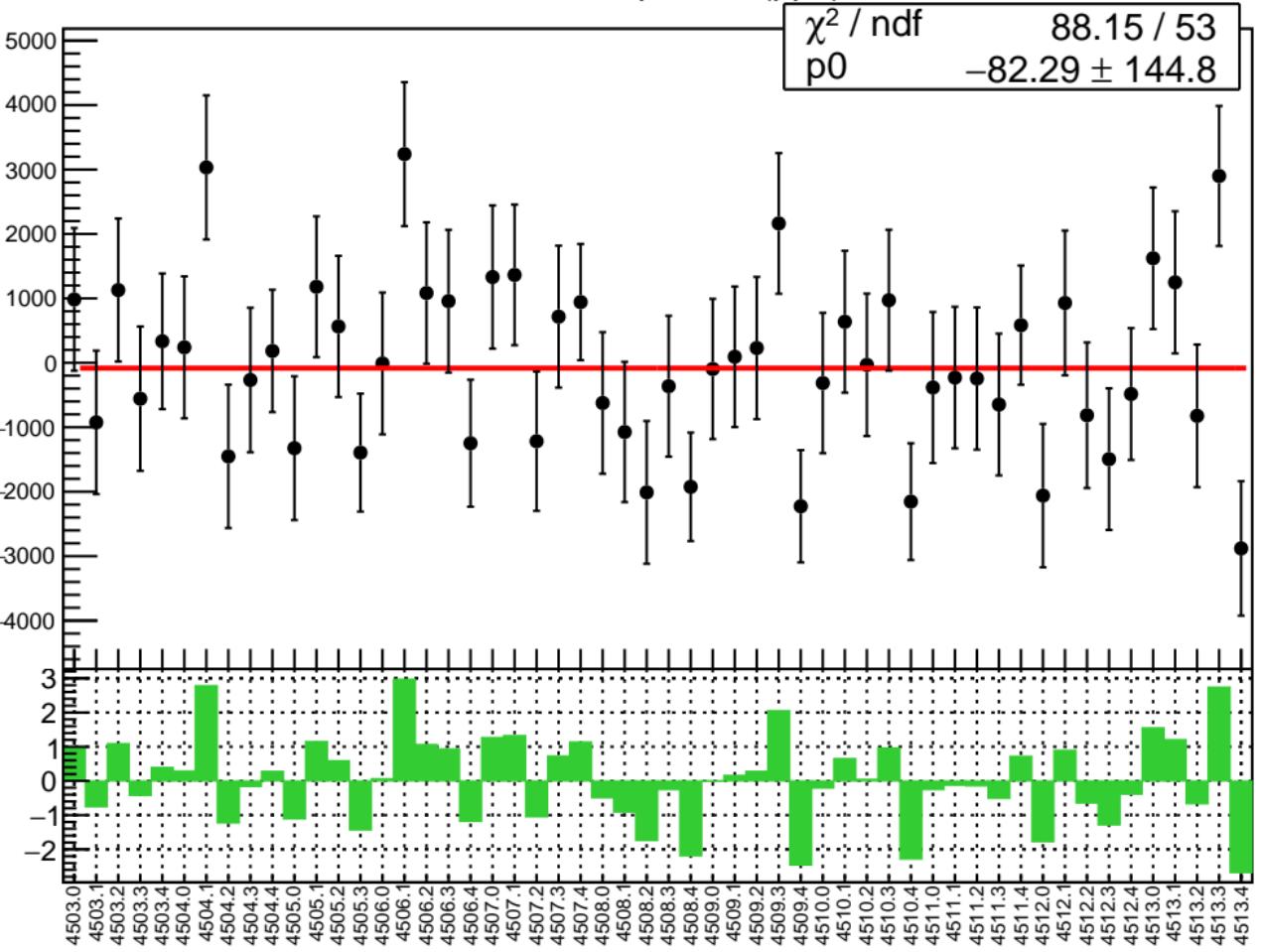
1D pull distribution



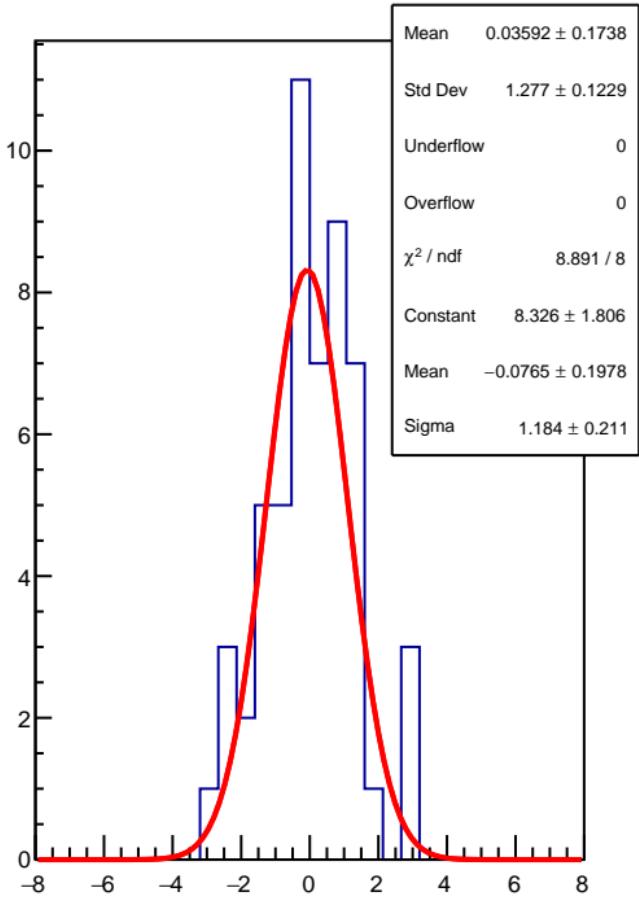
# corr\_us\_dd\_bpm1Y RMS (ppm)



corr\_us\_dd\_bpm16X (ppb)

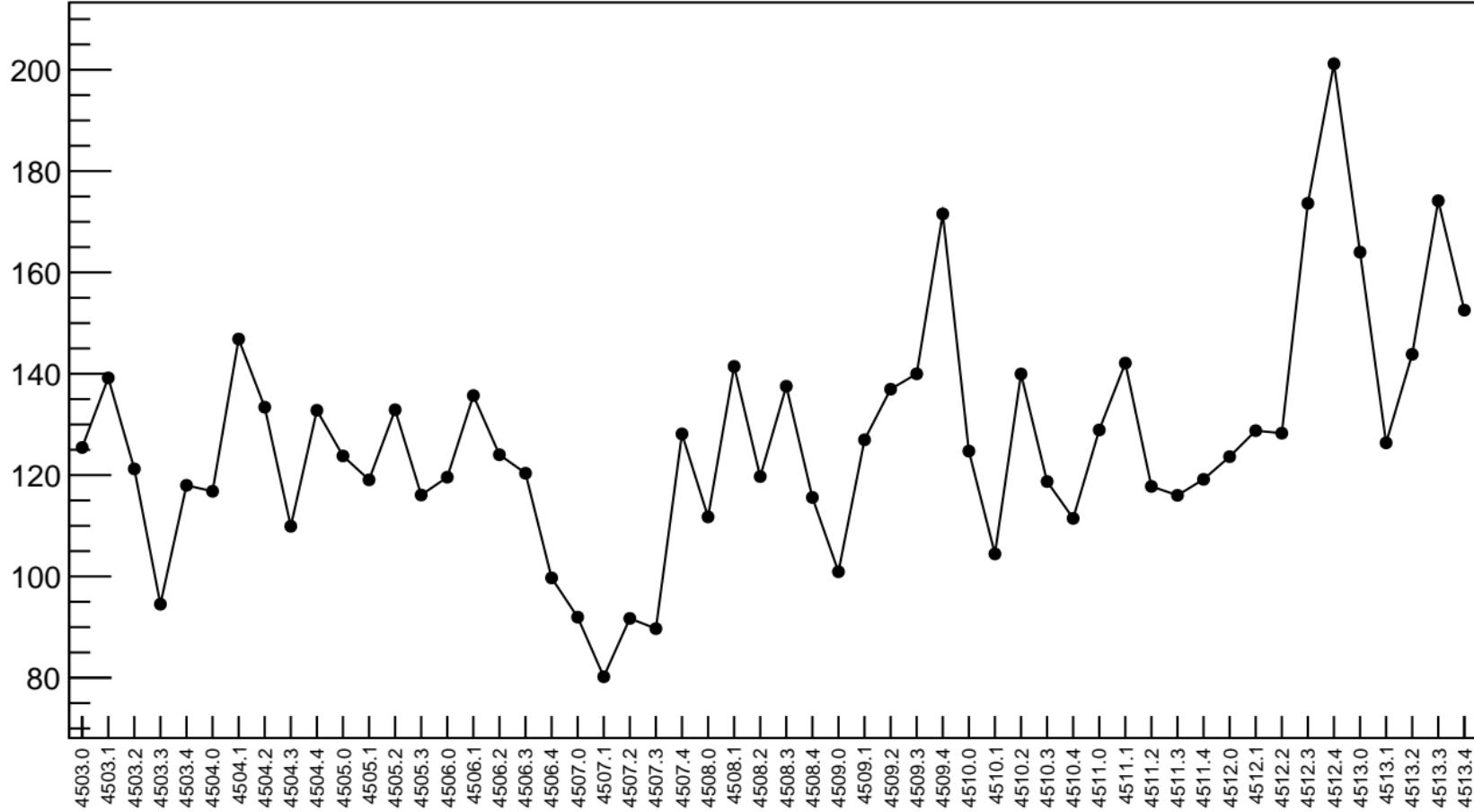


1D pull distribution

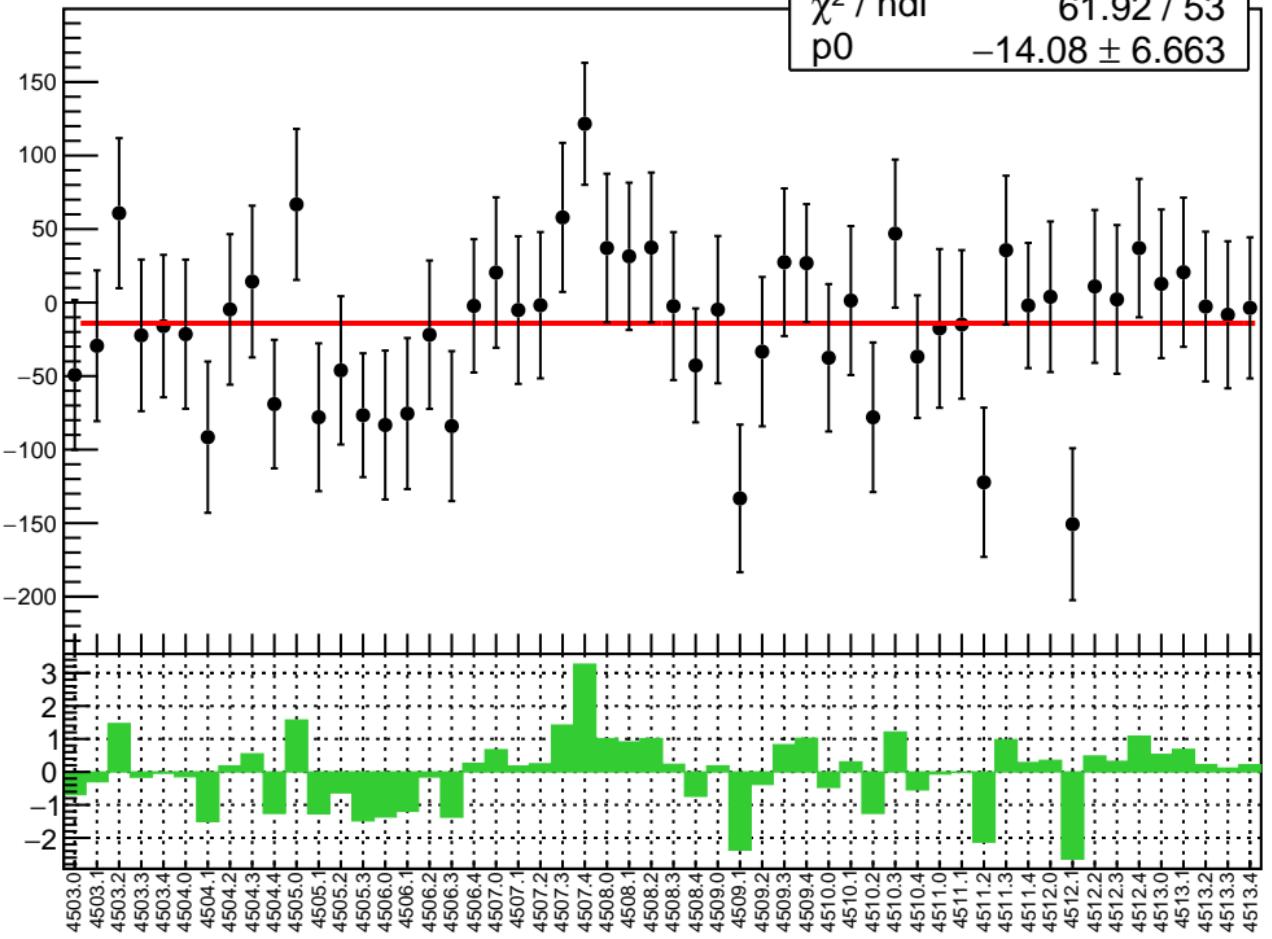


# corr\_us\_dd\_bpm16X RMS (ppm)

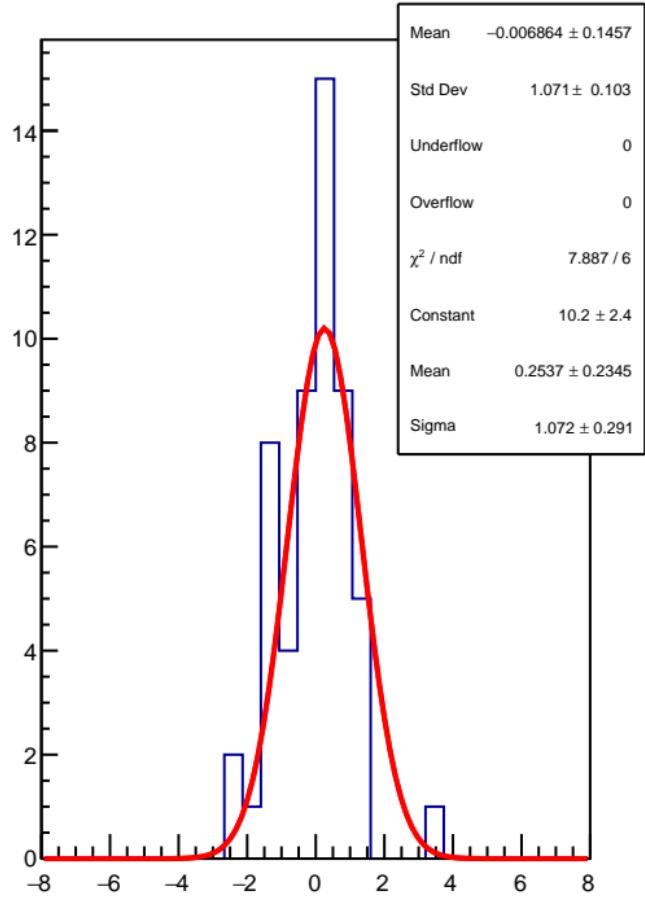
RMS (ppm)



corr\_us\_dd\_bpm16Y (ppb)

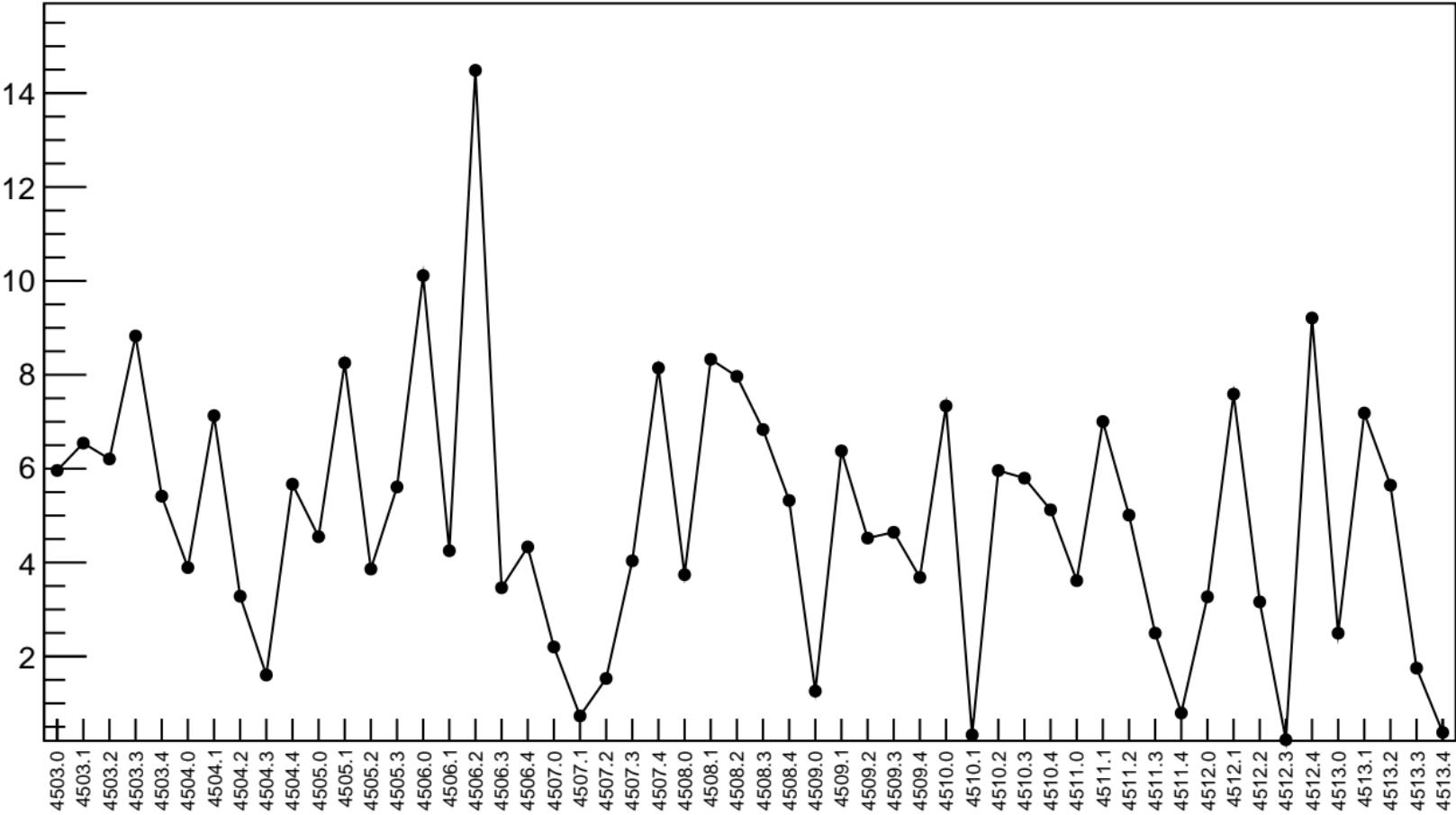
 $\chi^2 / \text{ndf}$   
 $61.92 / 53$   
 $p_0$   
 $-14.08 \pm 6.663$ 


1D pull distribution

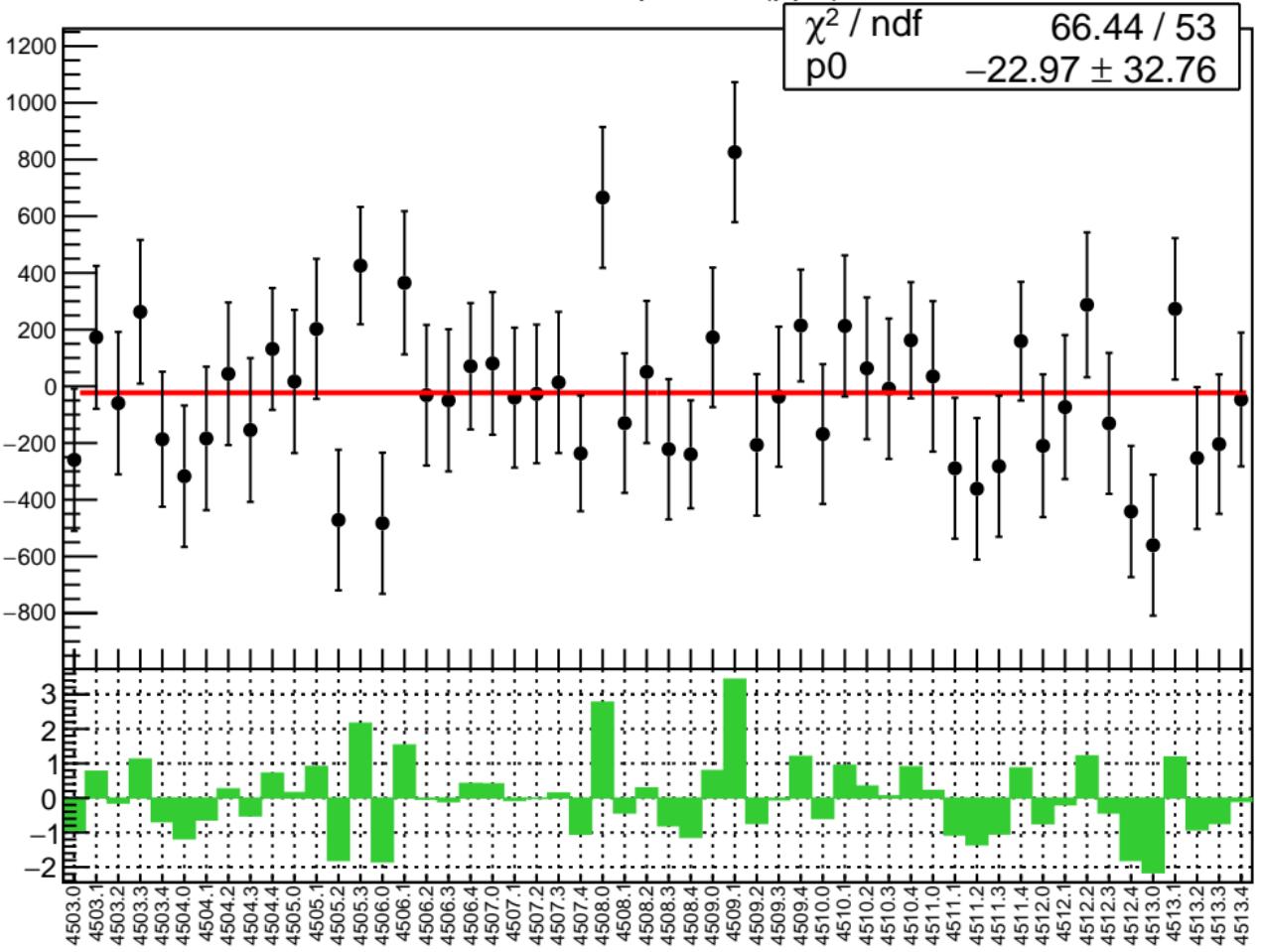


# corr\_us\_dd\_bpm16Y RMS (ppm)

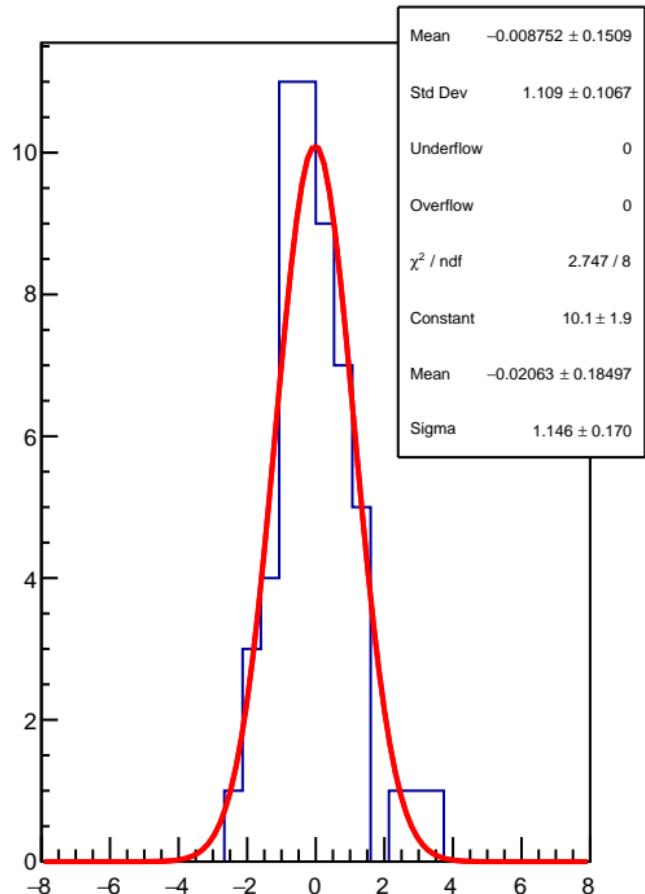
RMS (ppm)



corr\_us\_dd\_bpm12X (ppb)

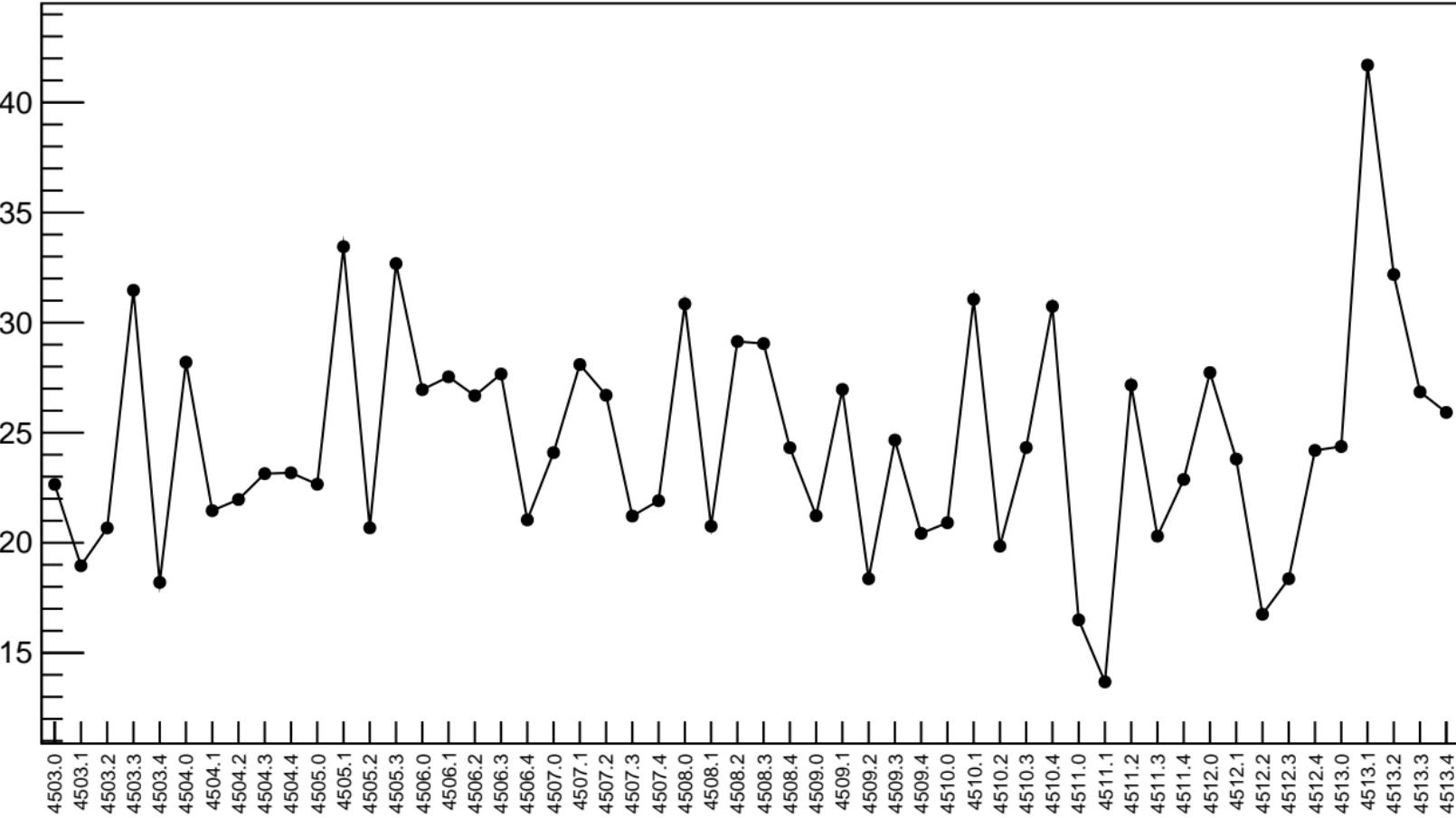


1D pull distribution



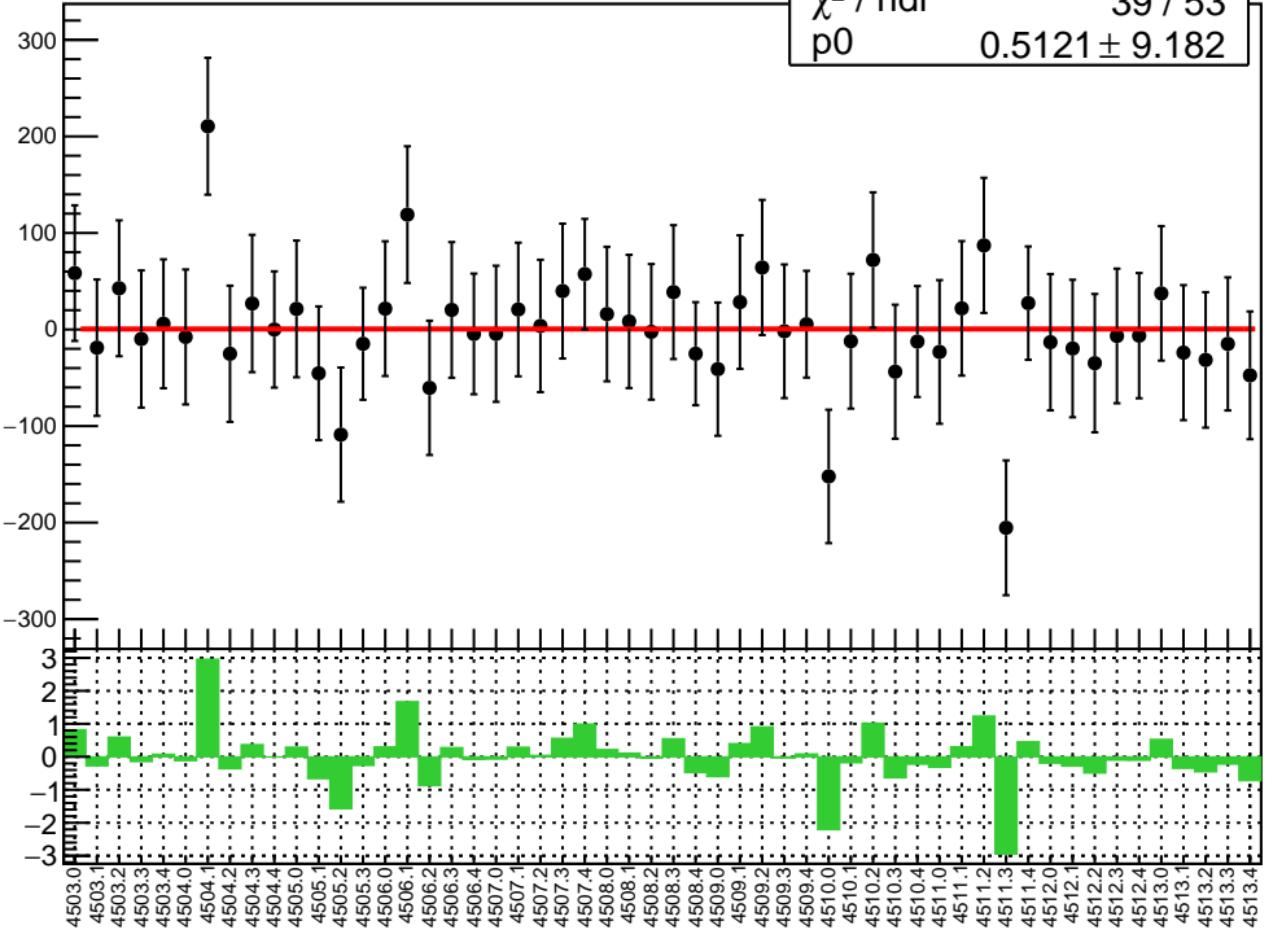
# corr\_us\_dd\_bpm12X RMS (ppm)

RMS (ppm)

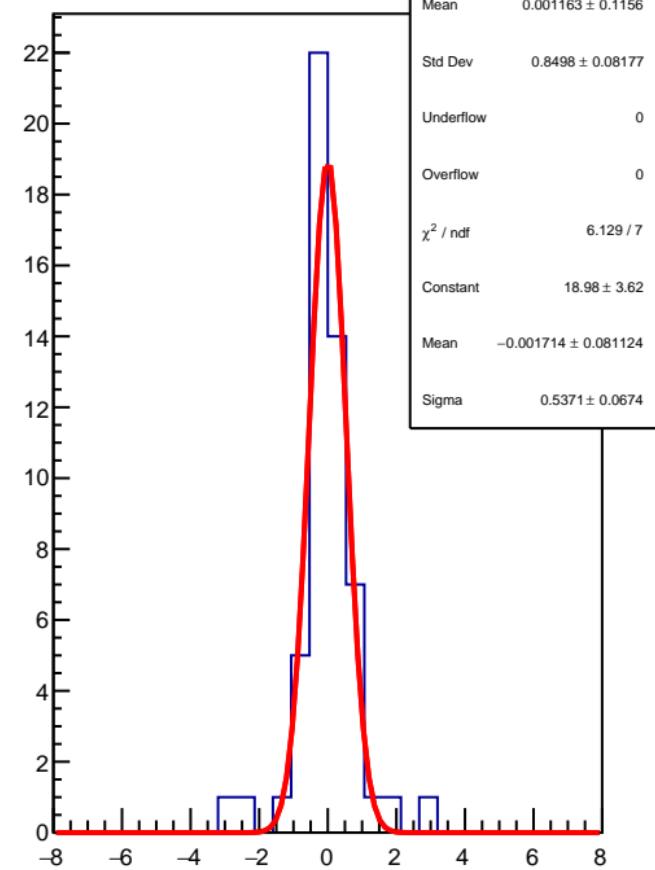


corr\_us\_dd\_bpm12Y (ppb)

$\chi^2 / \text{ndf}$  39 / 53  
p0  $0.5121 \pm 9.182$

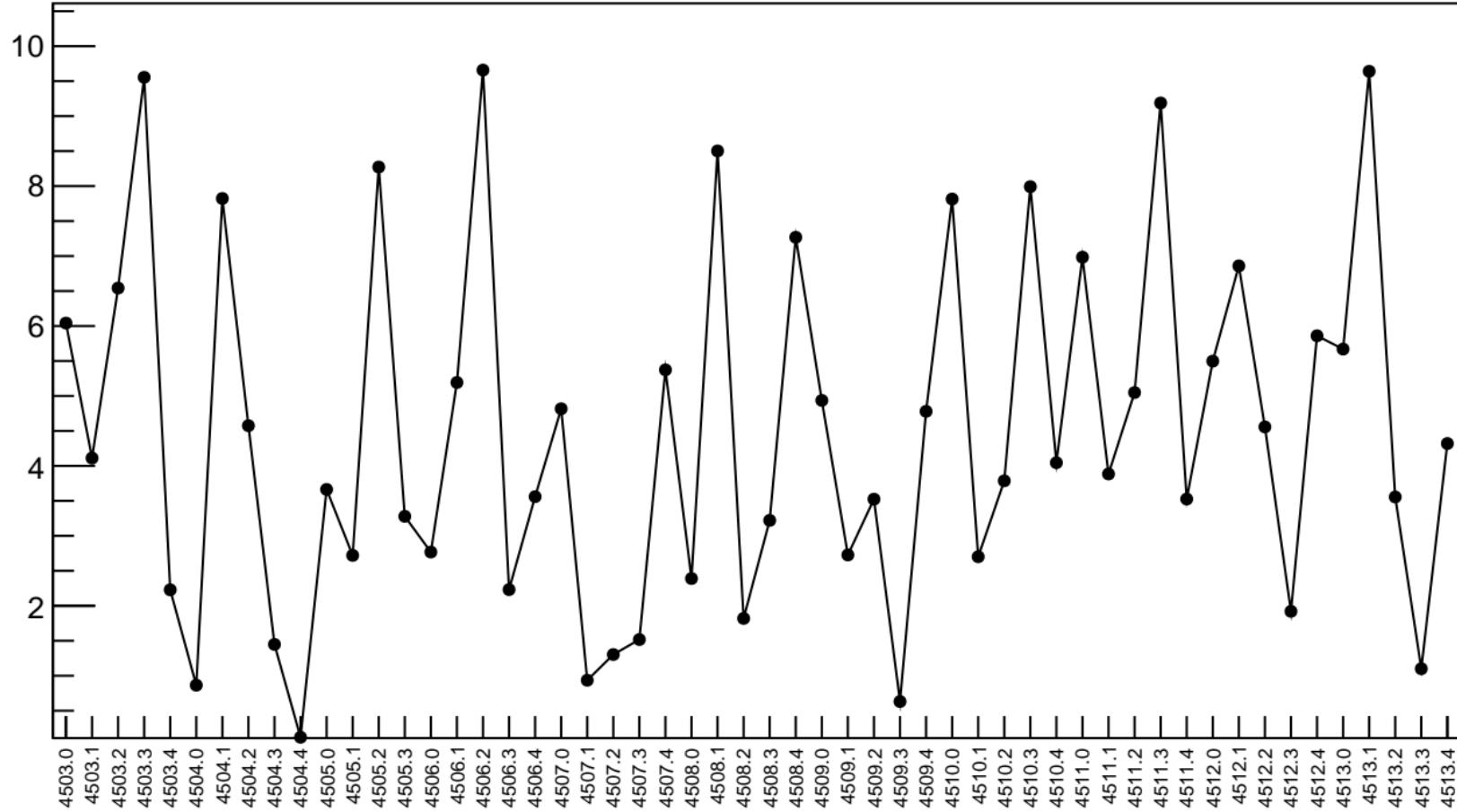


1D pull distribution

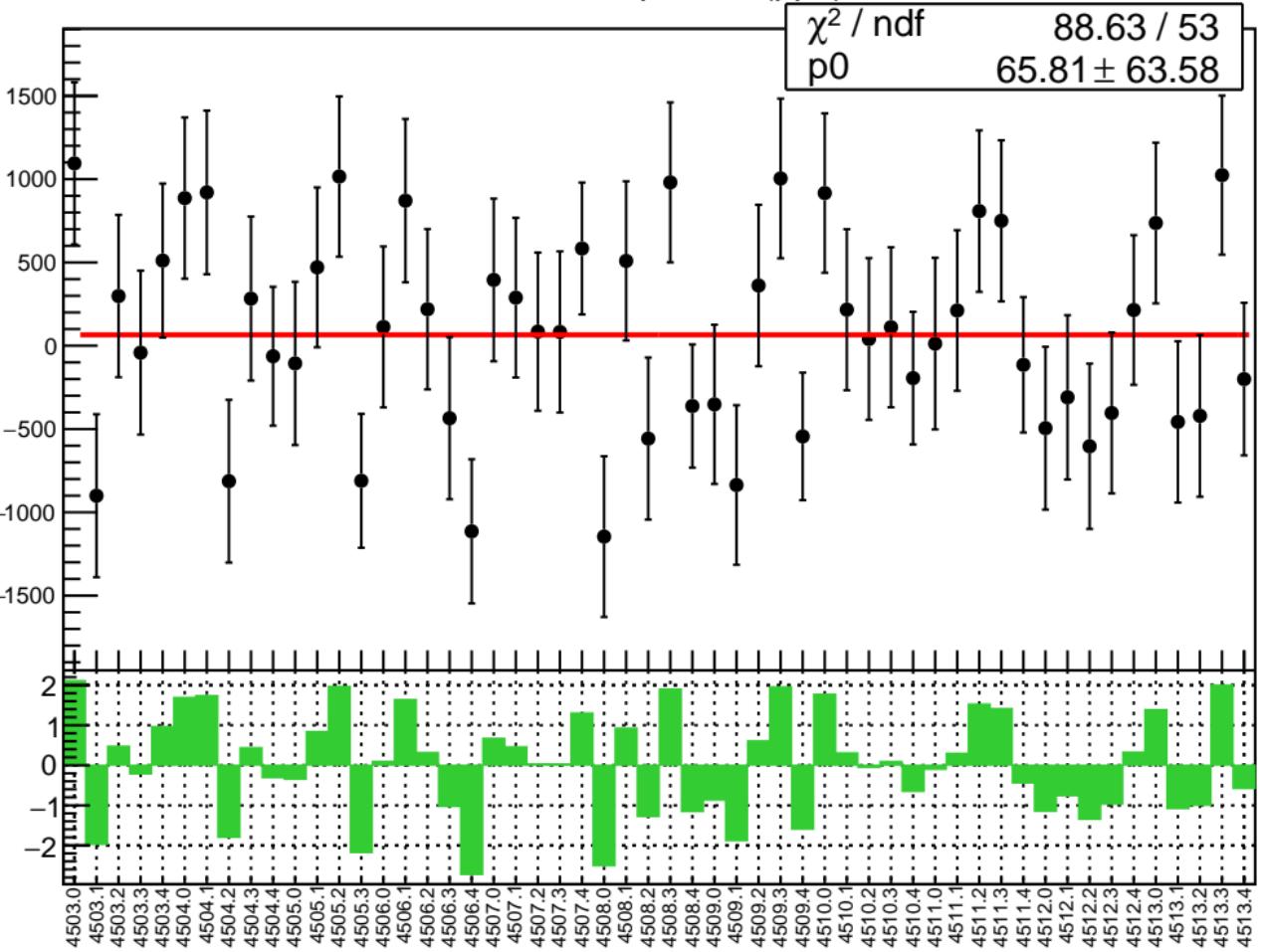


# corr\_us\_dd\_bpm12Y RMS (ppm)

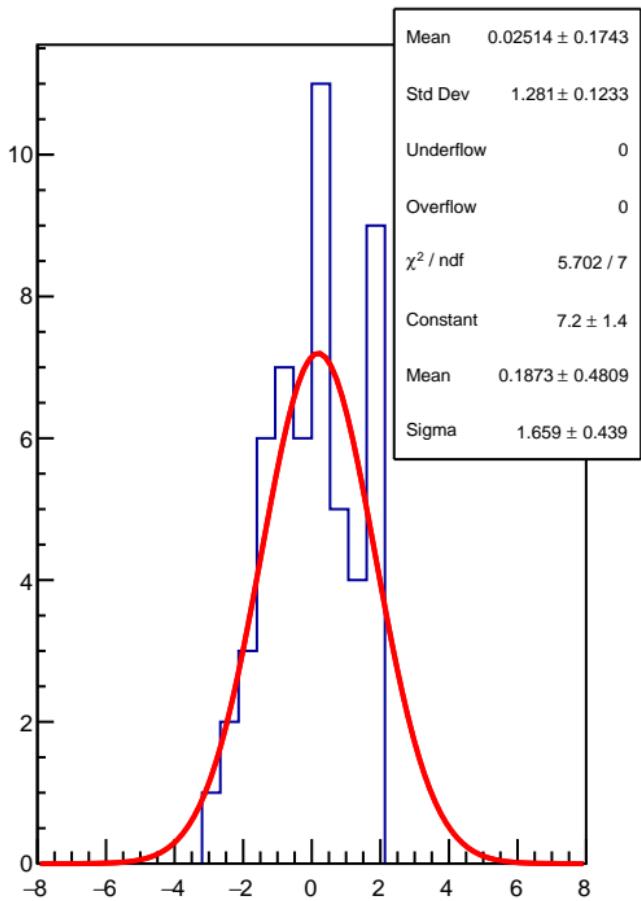
RMS (ppm)



corr\_us\_dd\_bpm11X (ppb)

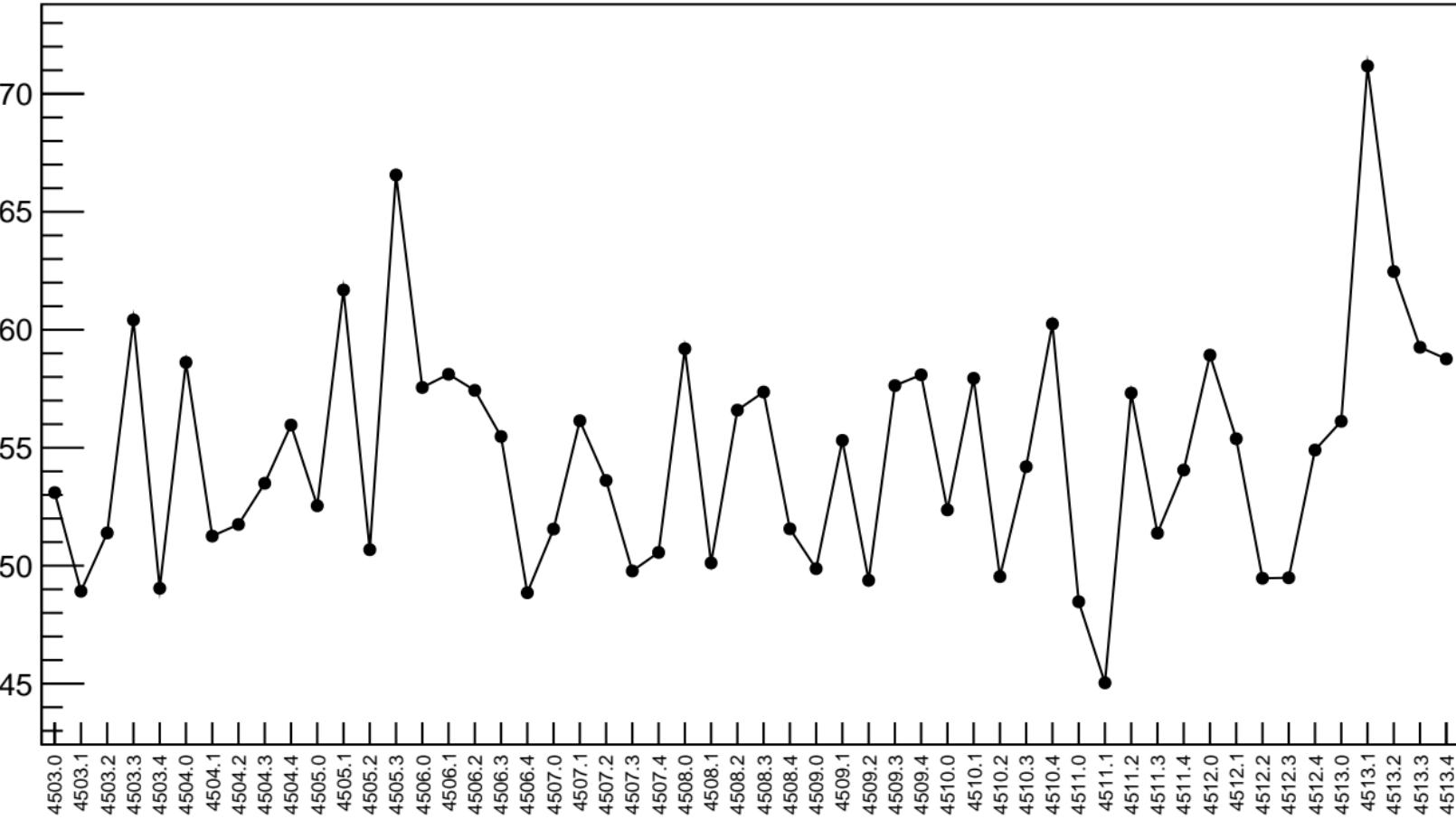


1D pull distribution

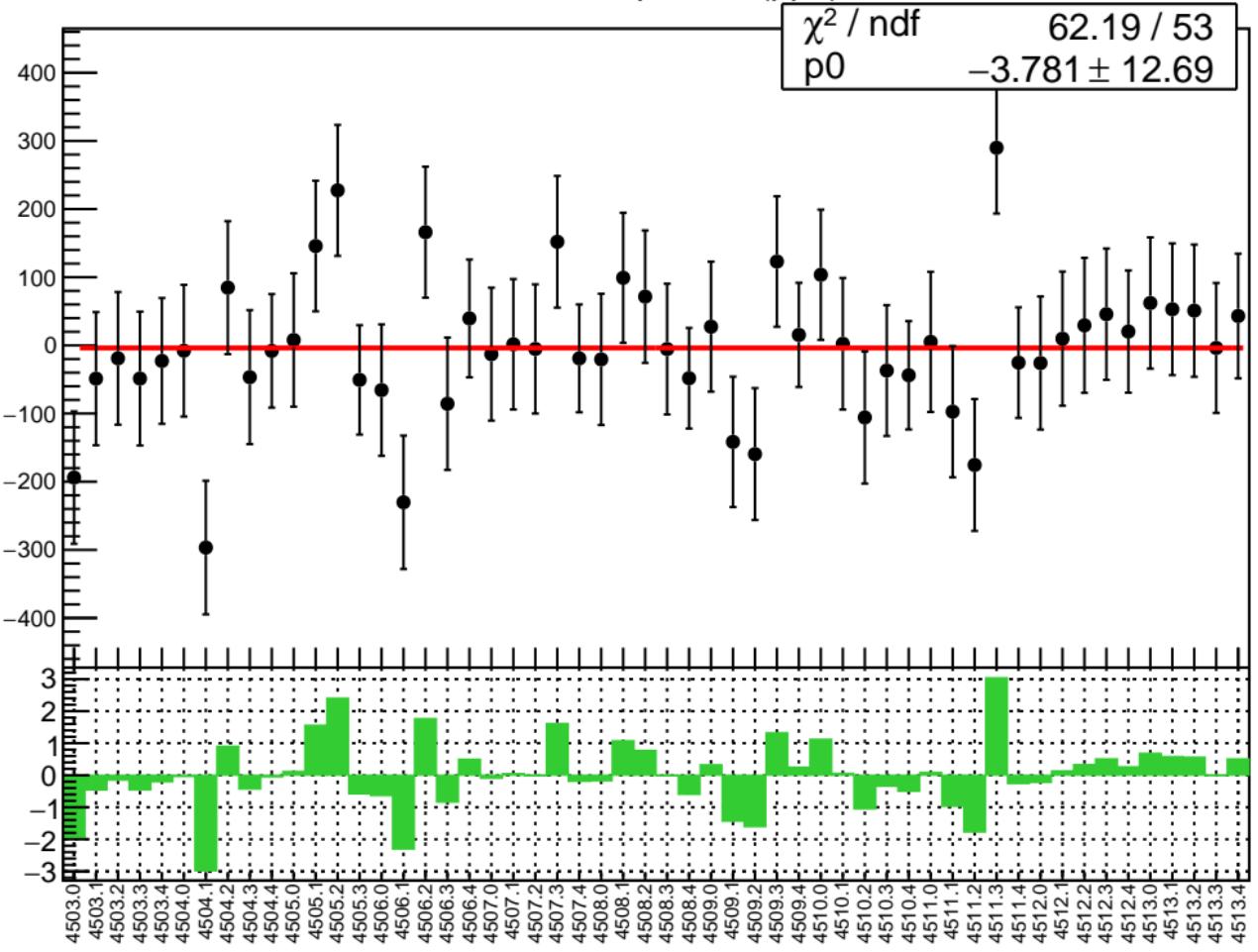


# corr\_us\_dd\_bpm11X RMS (ppm)

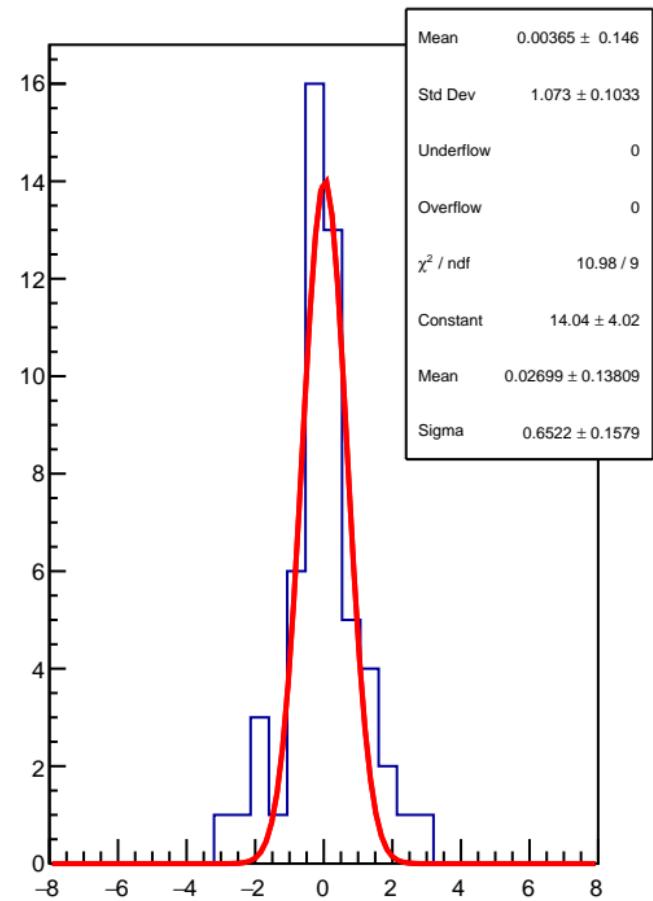
RMS (ppm)



corr\_us\_dd\_bpm11Y (ppb)

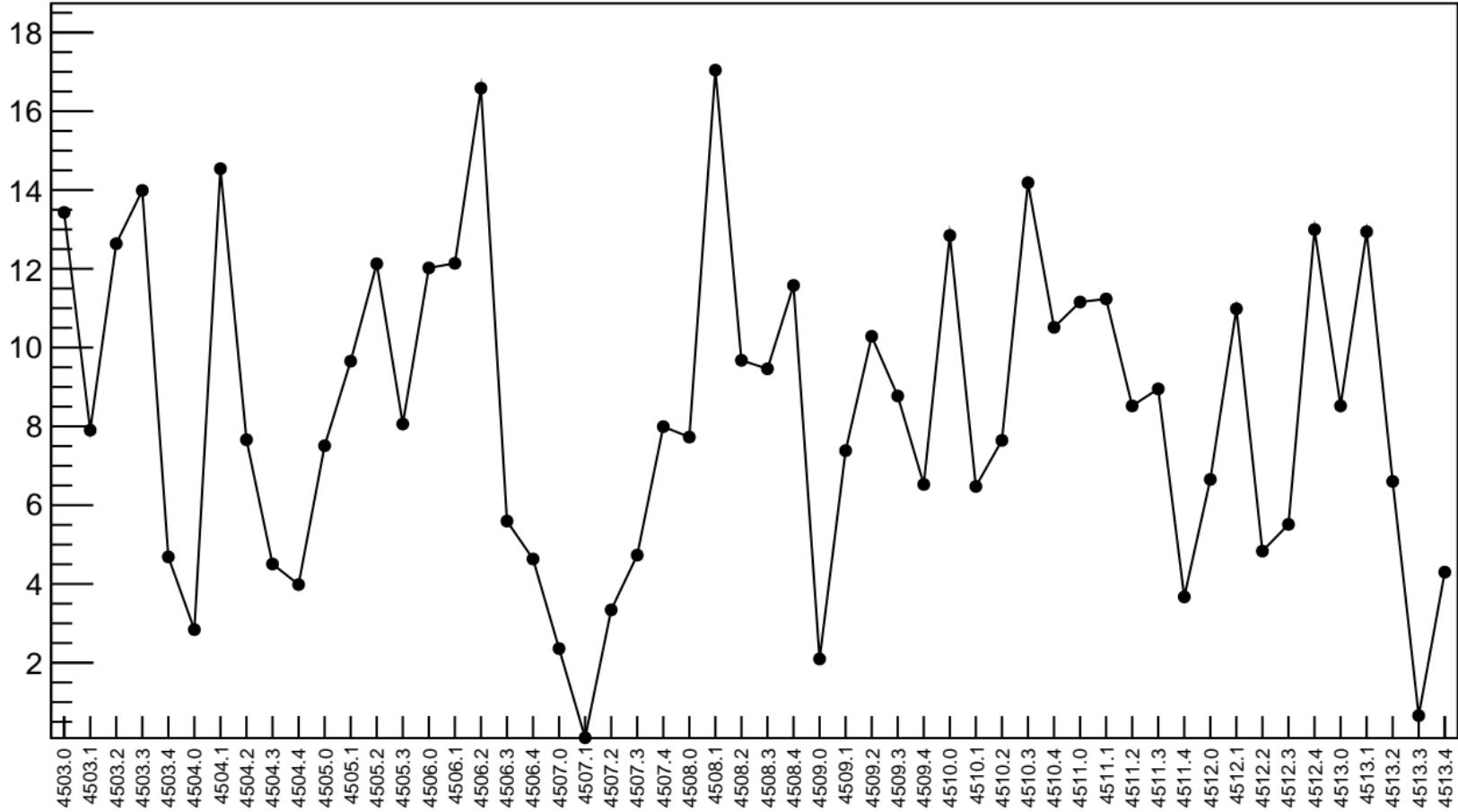


1D pull distribution

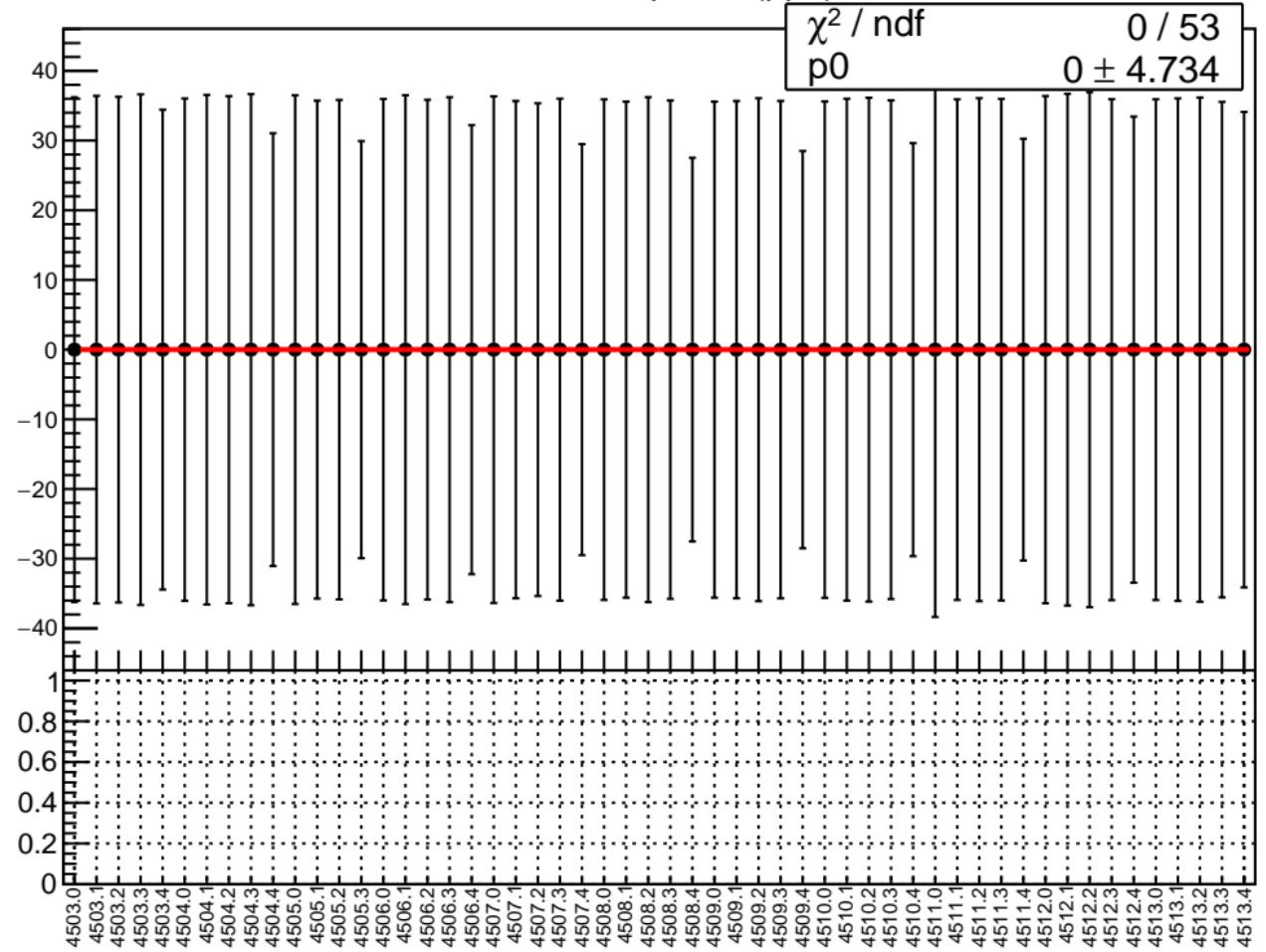


# corr\_us\_dd\_bpm11Y RMS (ppm)

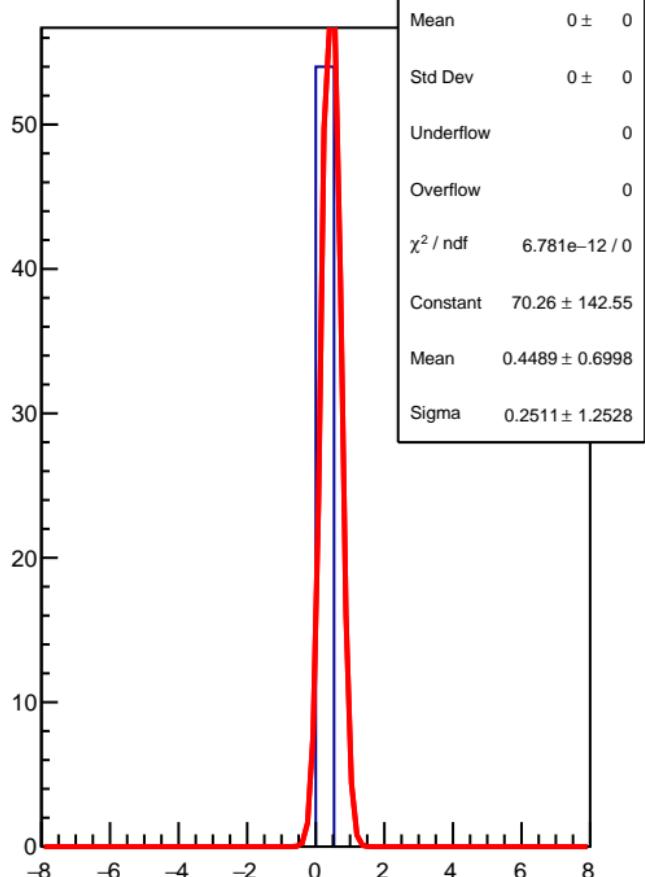
RMS (ppm)



corr\_us\_dd\_bpm8X (ppb)

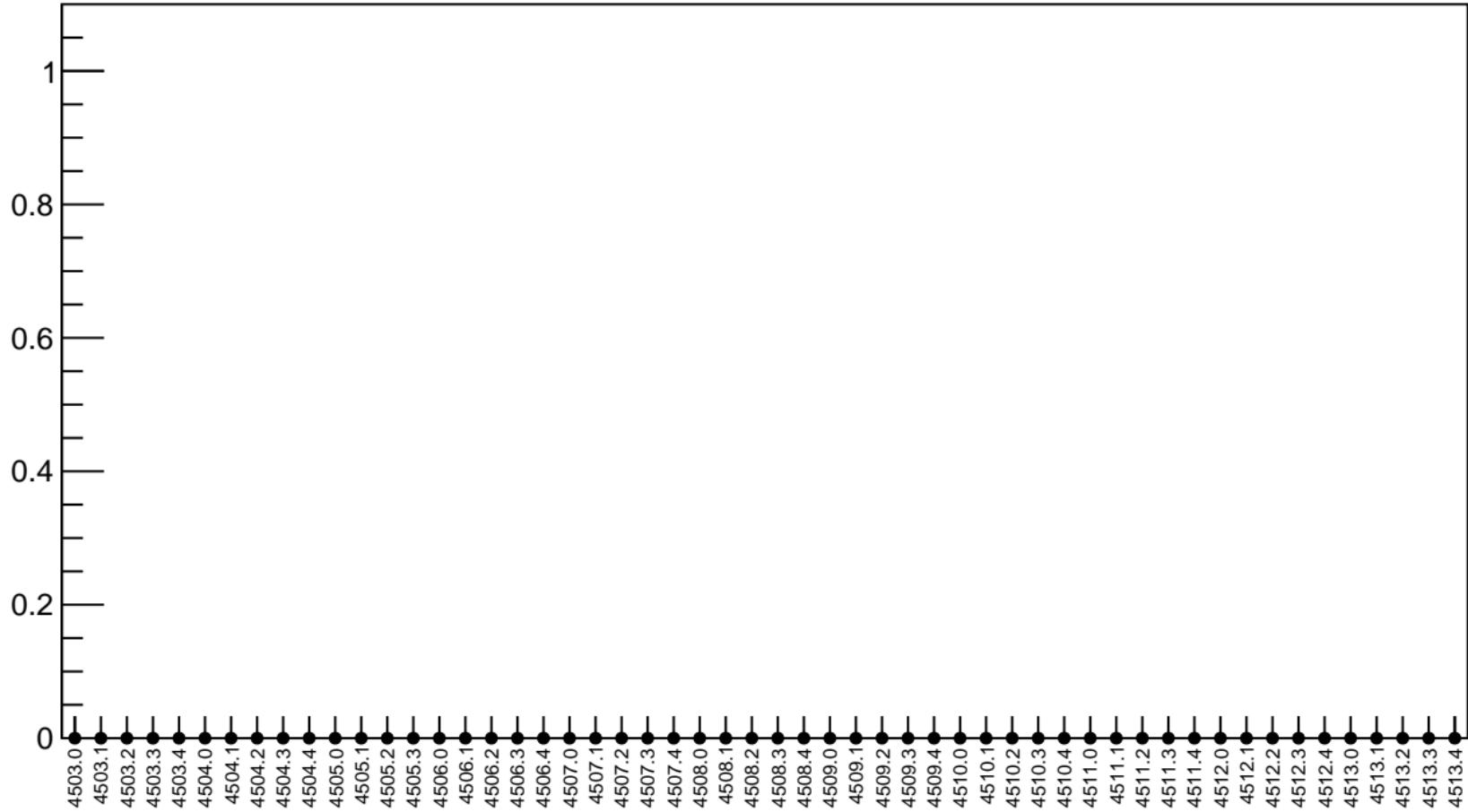


1D pull distribution

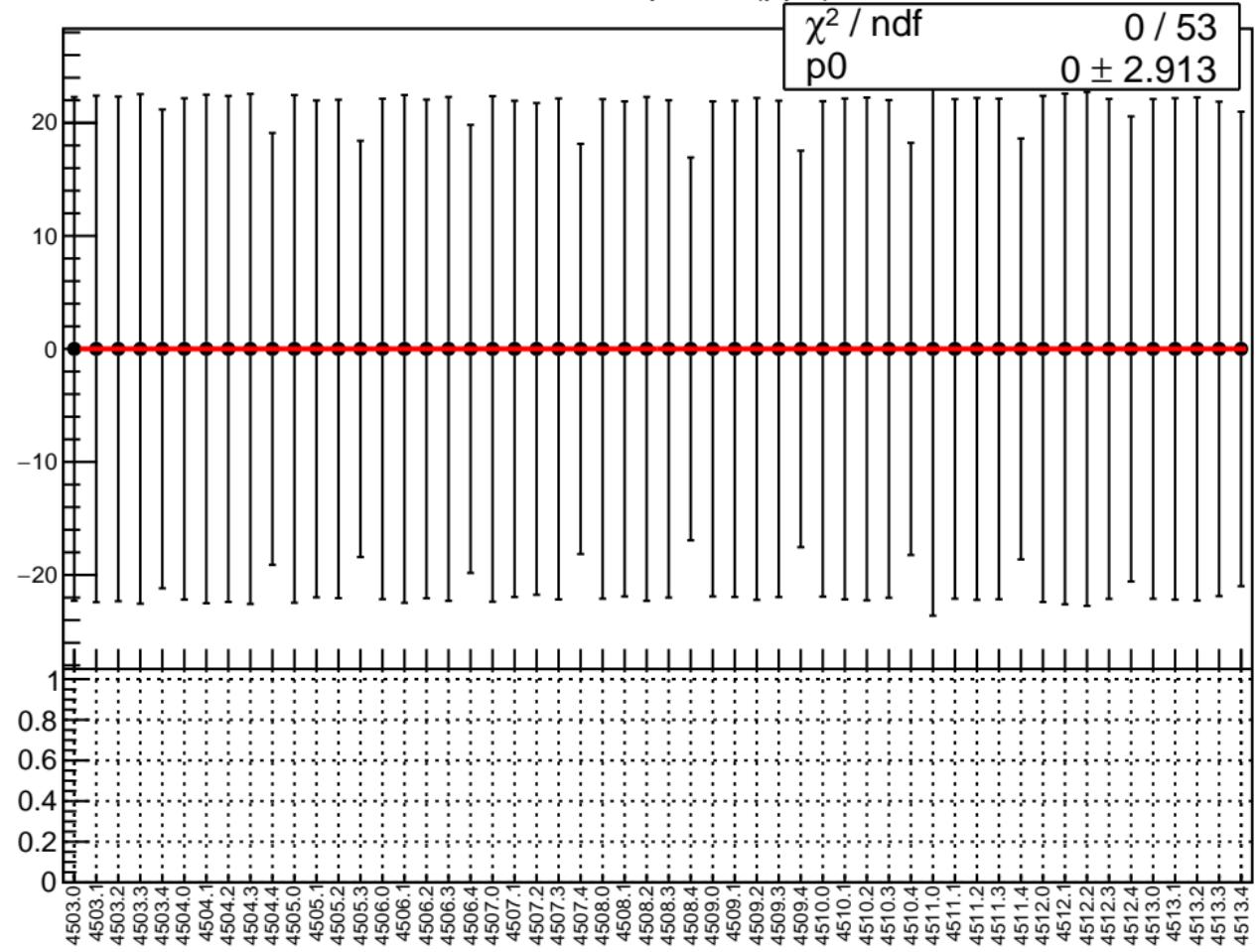


# corr\_us\_dd\_bpm8X RMS (ppm)

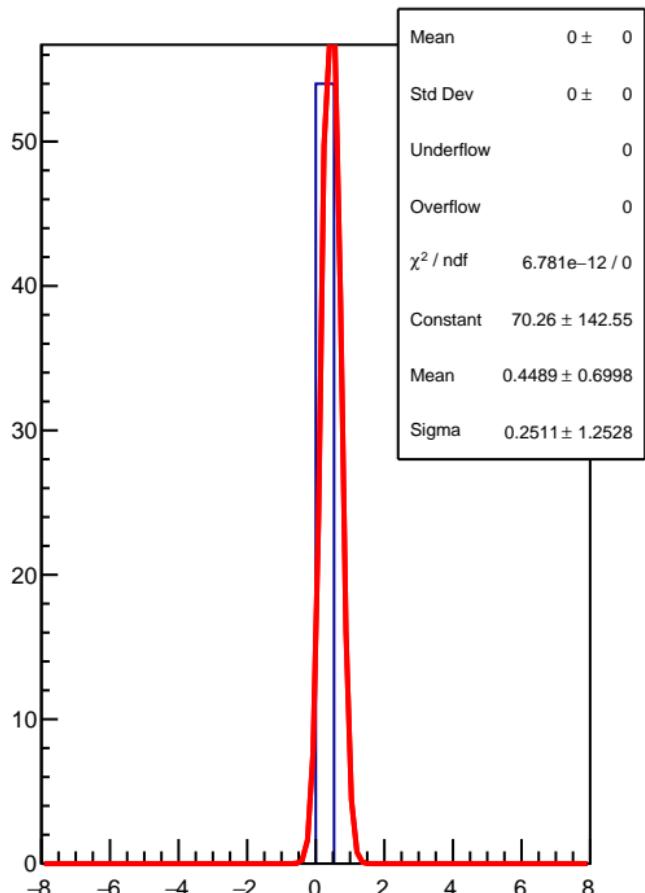
RMS (ppm)



corr\_us\_dd\_bpm8Y (ppb)

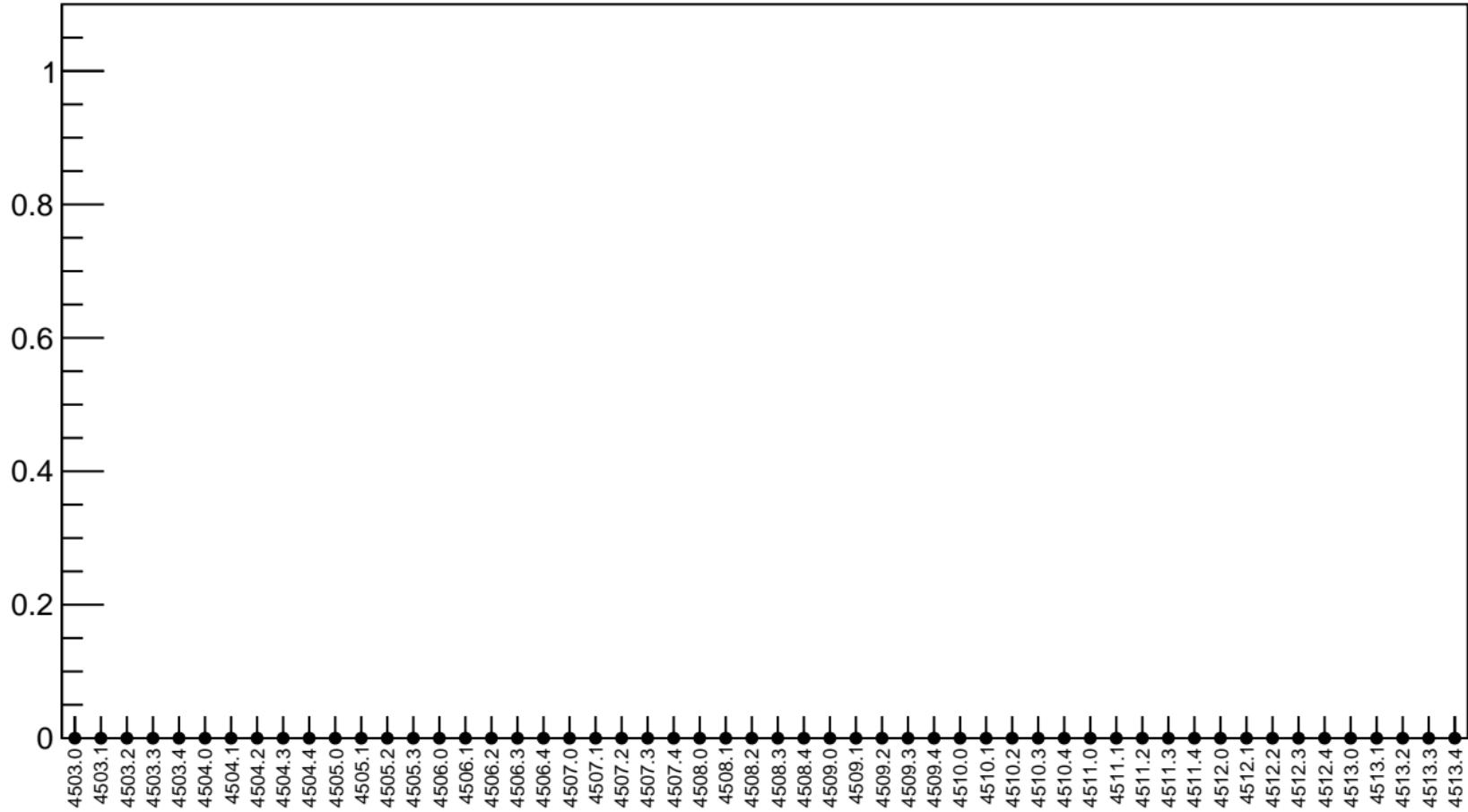


1D pull distribution

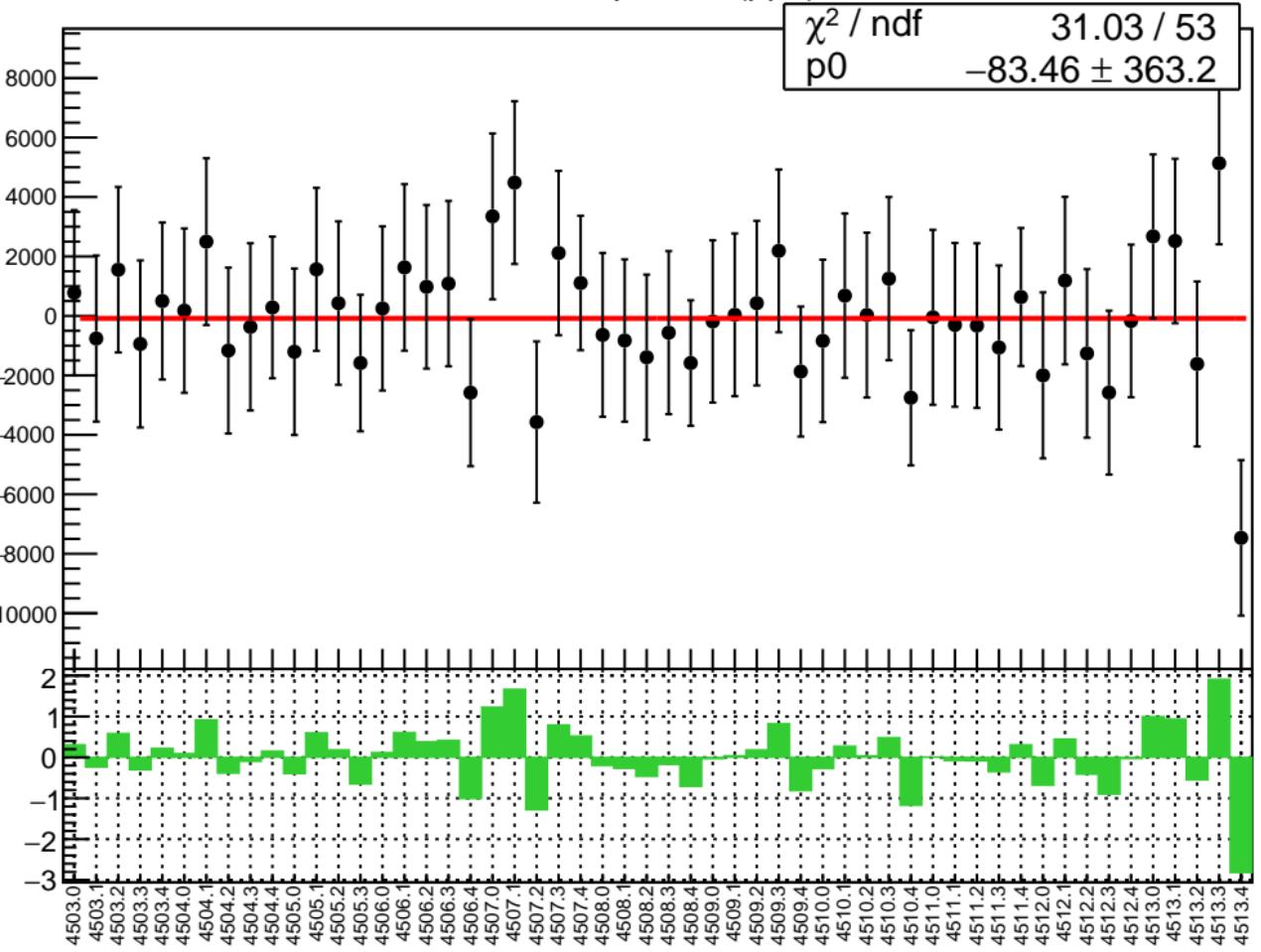


# corr\_us\_dd\_bpm8Y RMS (ppm)

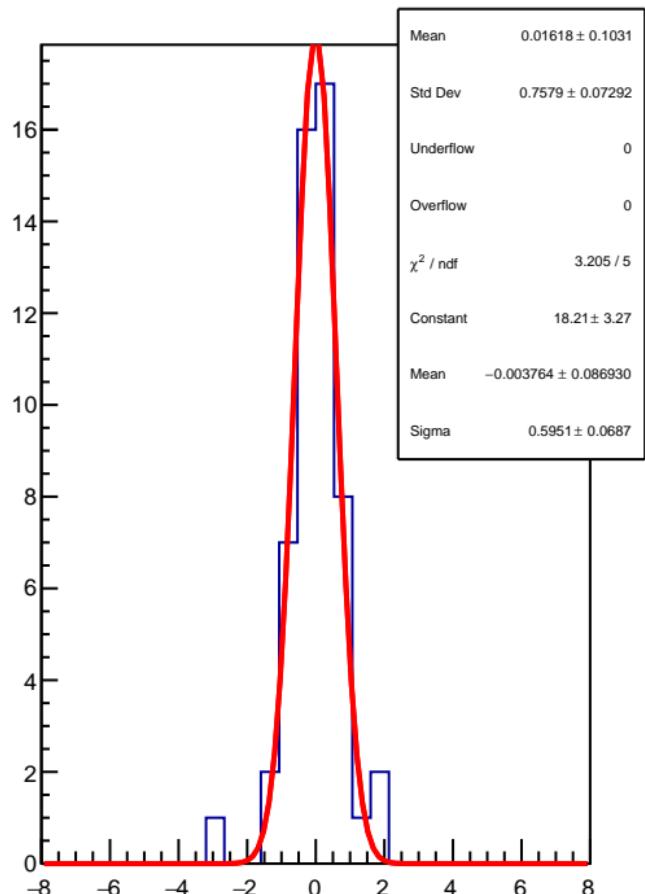
RMS (ppm)



corr\_usl\_bpm4eX (ppb)

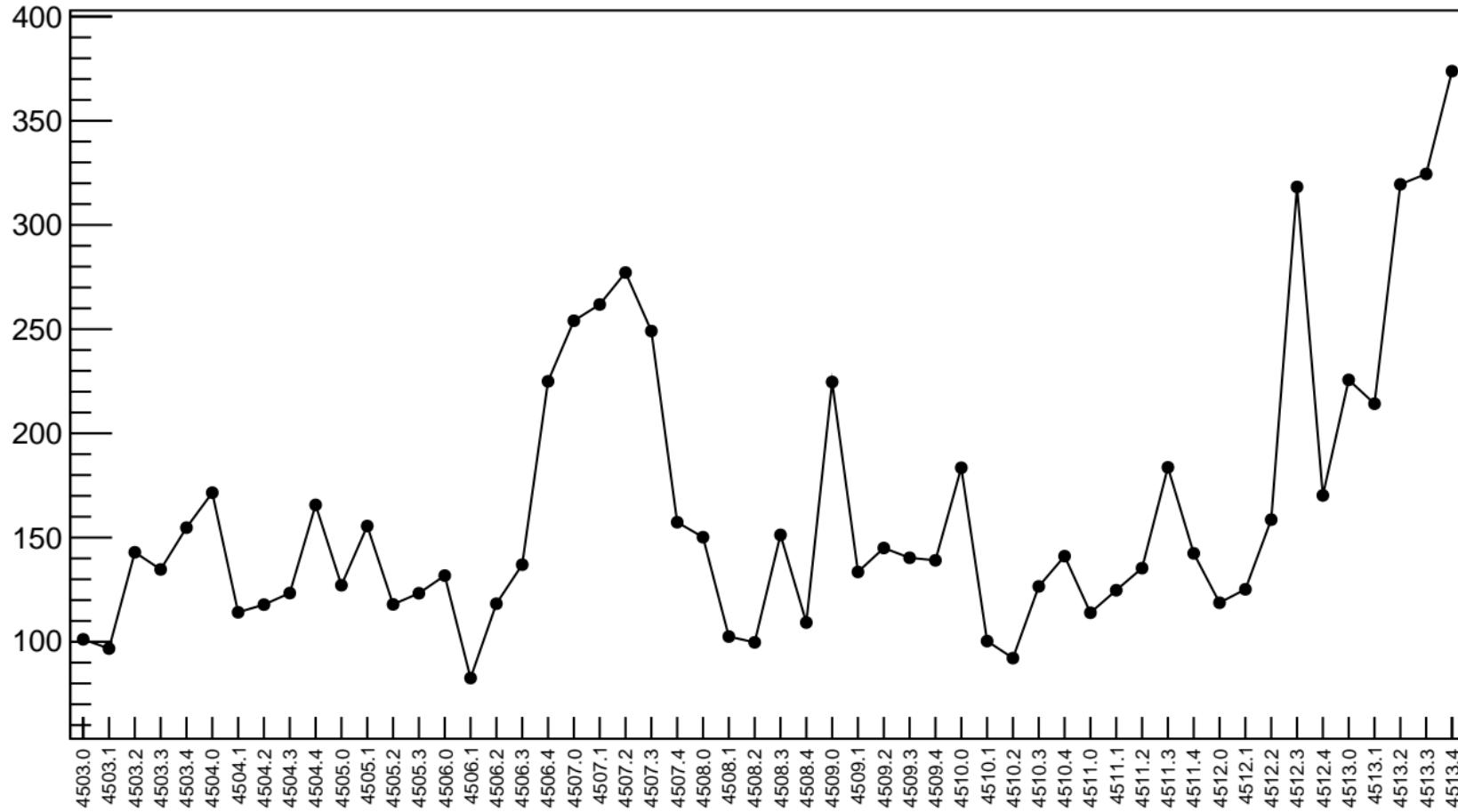


1D pull distribution

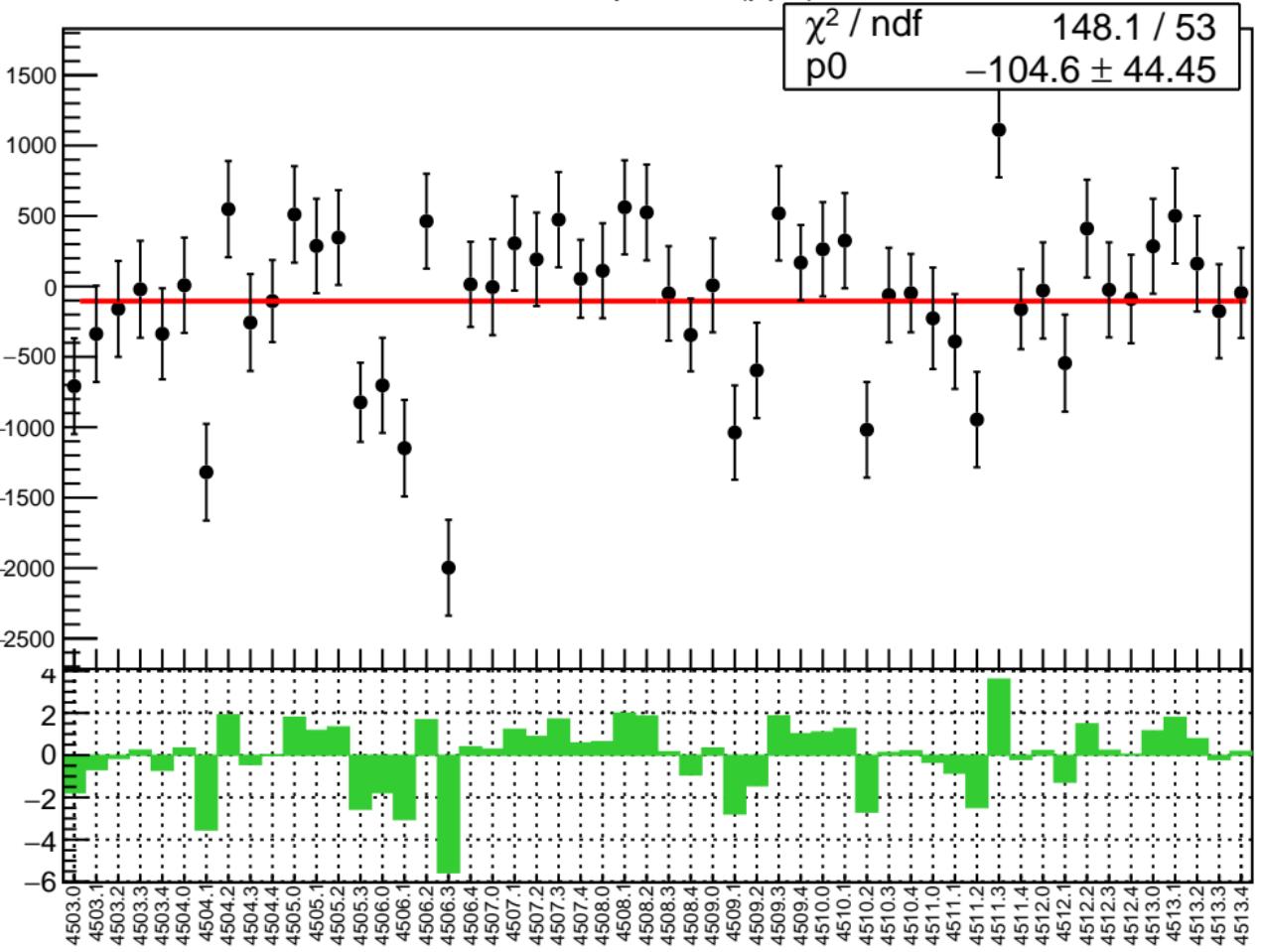


# corr\_usl\_bpm4eX RMS (ppm)

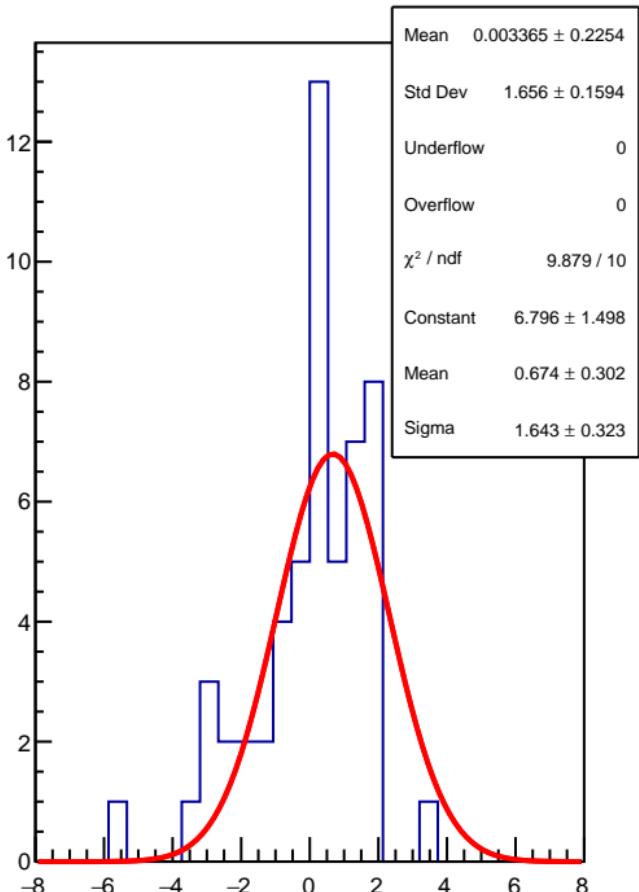
RMS (ppm)



corr\_usl\_bpm4eY (ppb)

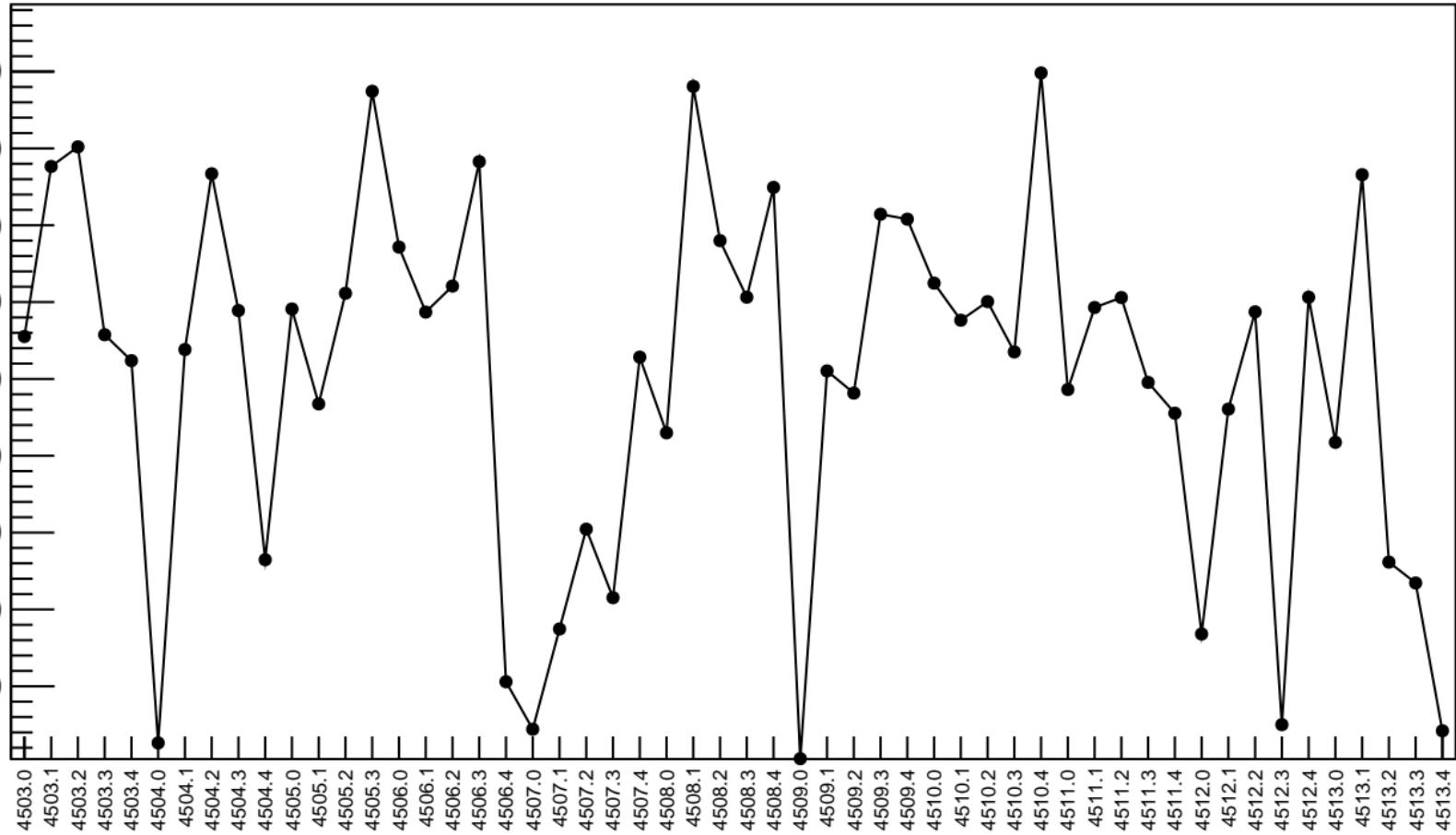


1D pull distribution



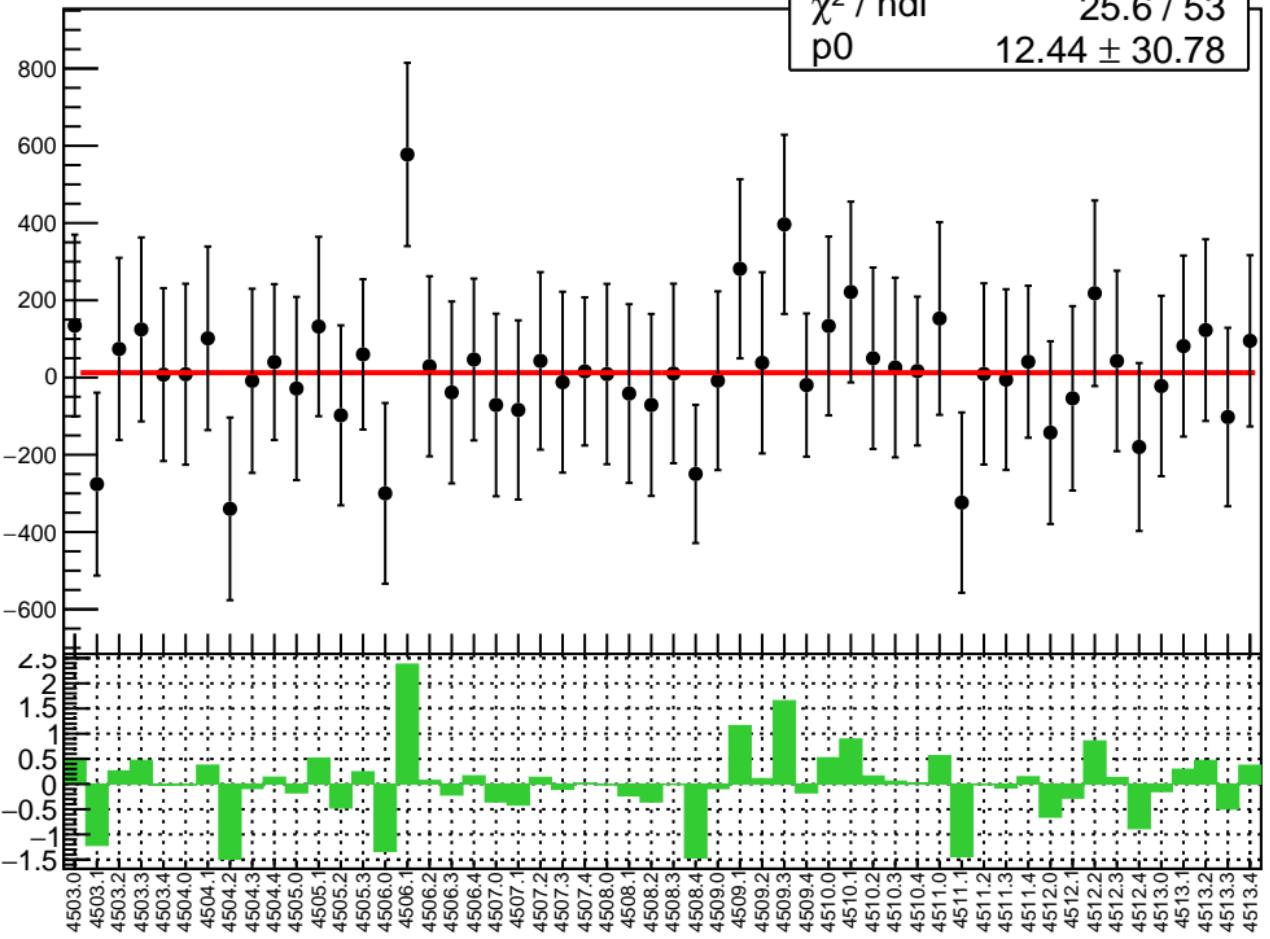
# corr\_usl\_bpm4eY RMS (ppm)

RMS (ppm)

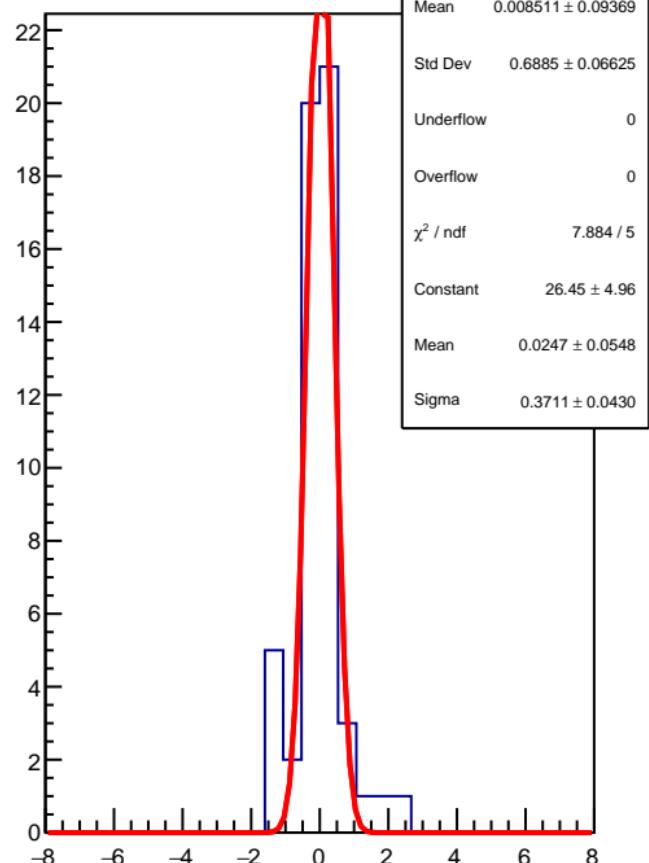


corr\_usl\_bpm4aX (ppb)

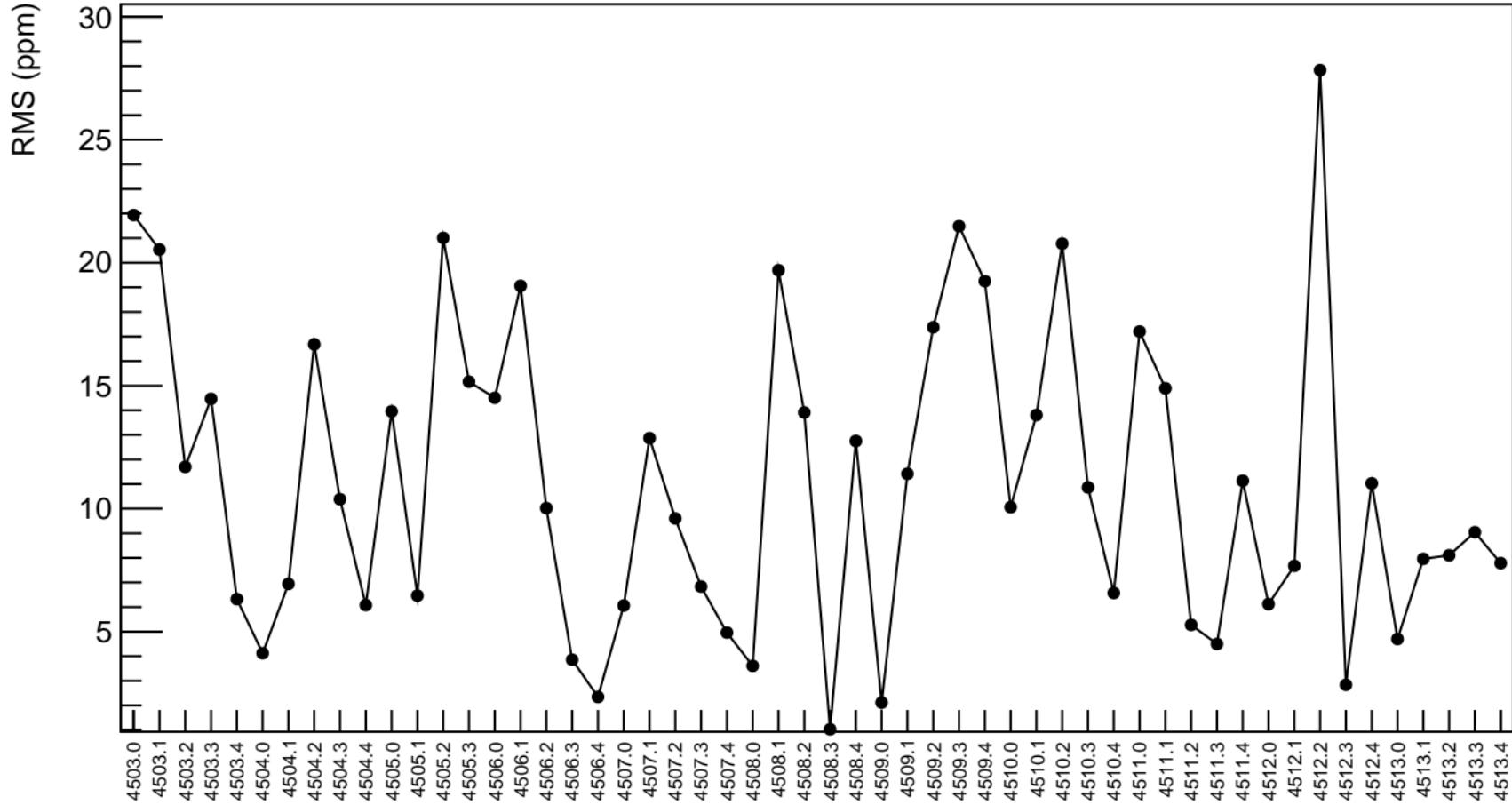
$\chi^2 / \text{ndf}$  25.6 / 53  
 $p_0$   $12.44 \pm 30.78$



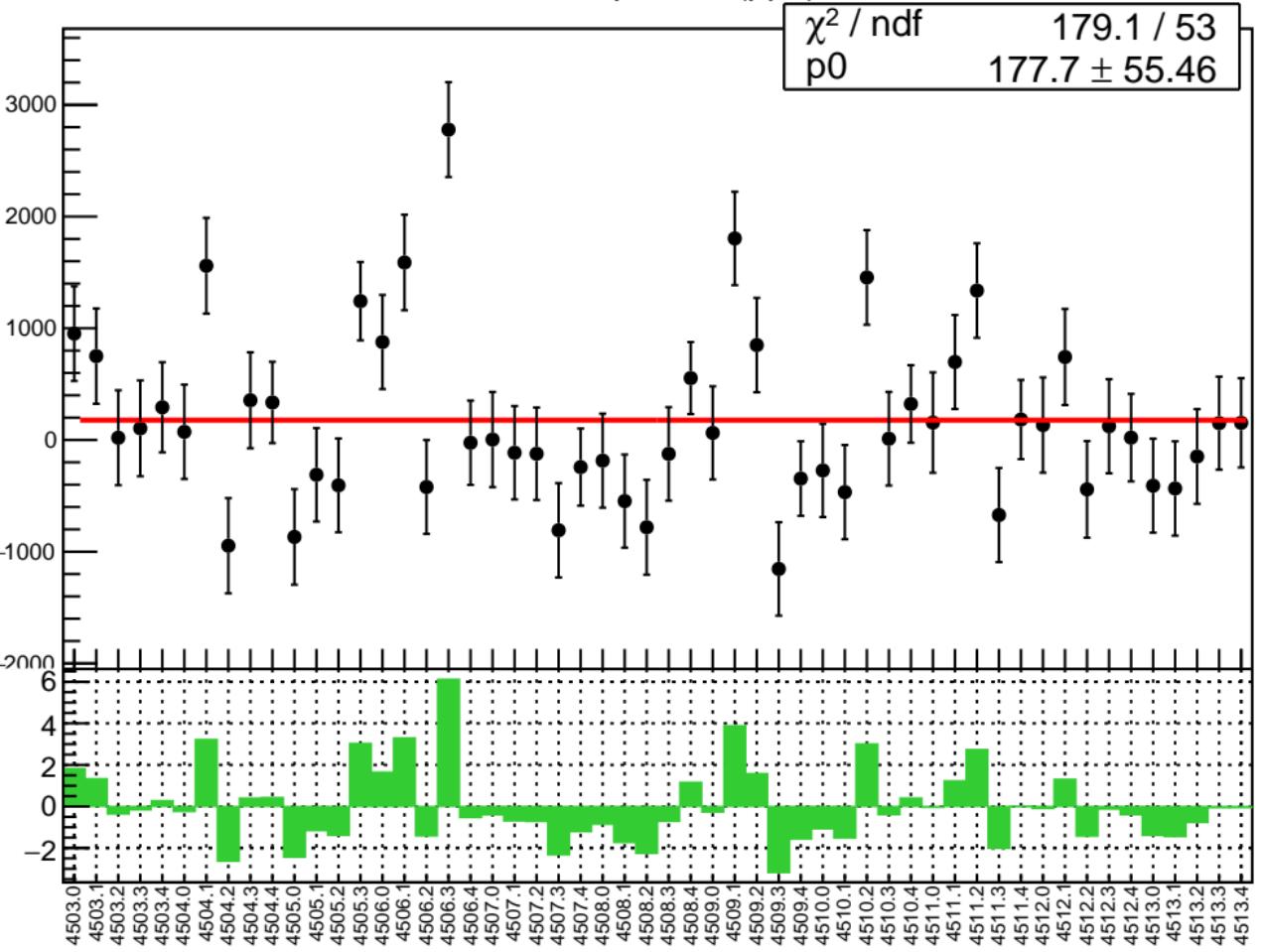
1D pull distribution



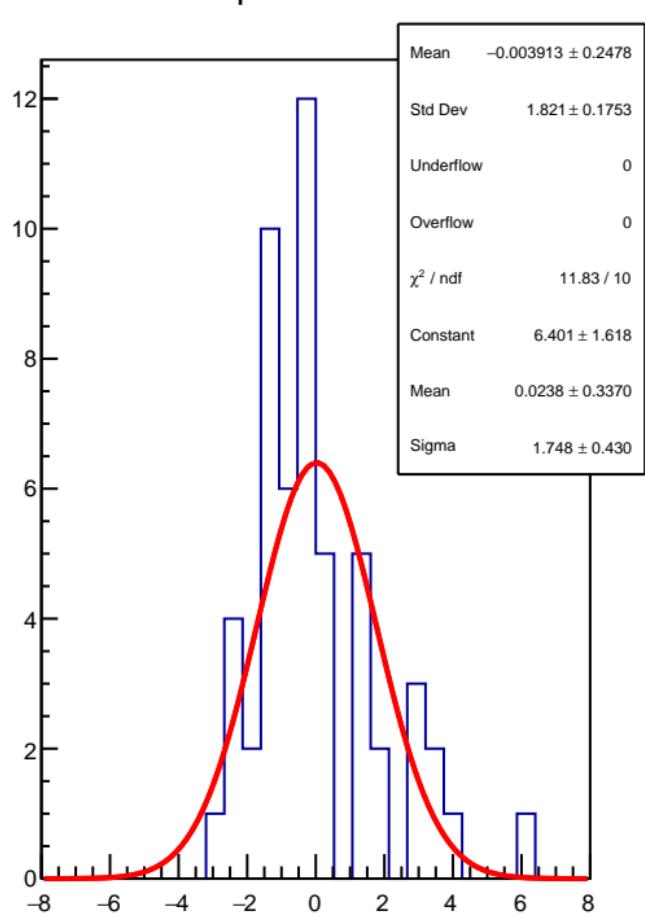
# corr\_usl\_bpm4aX RMS (ppm)



corr\_usl\_bpm4aY (ppb)

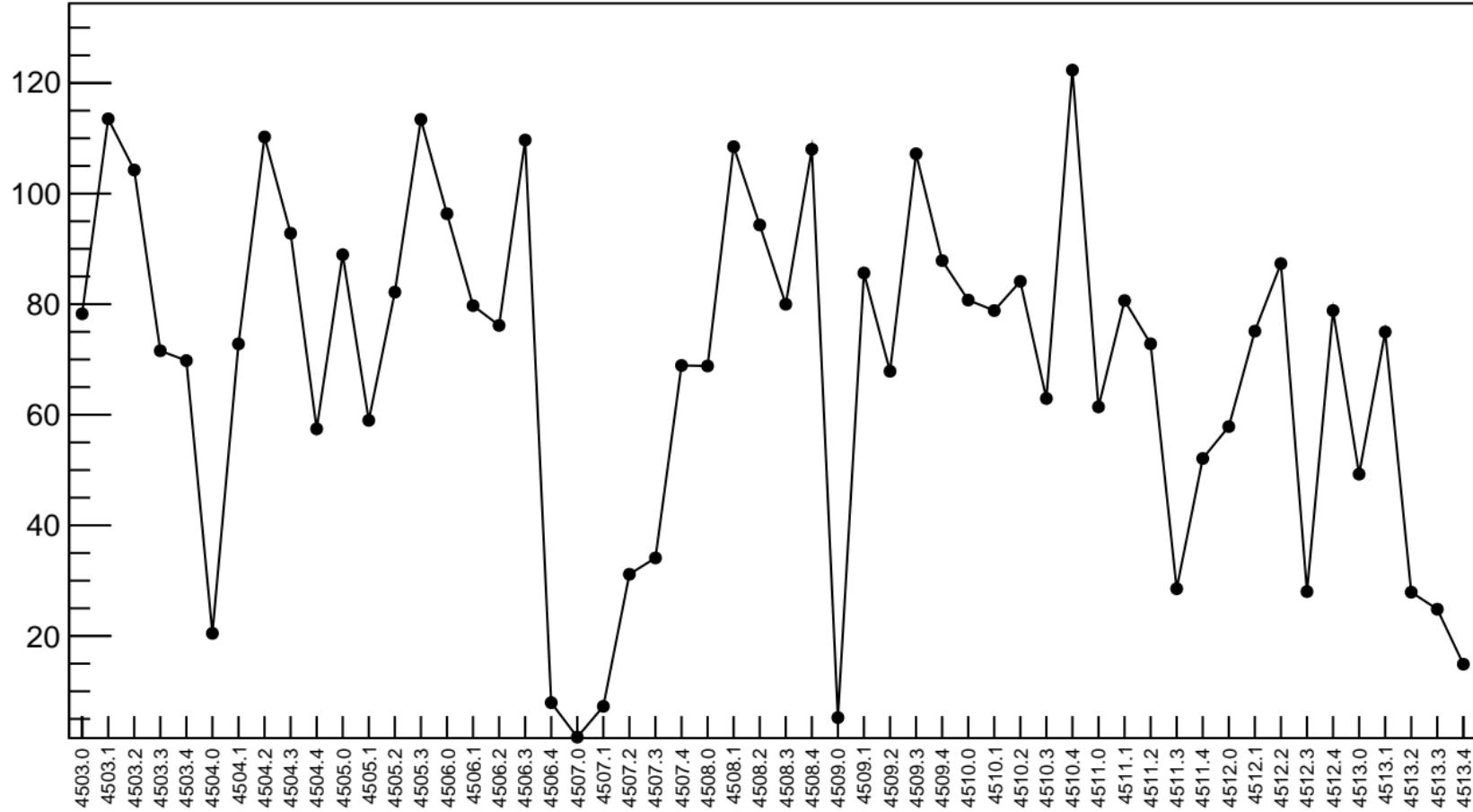


1D pull distribution

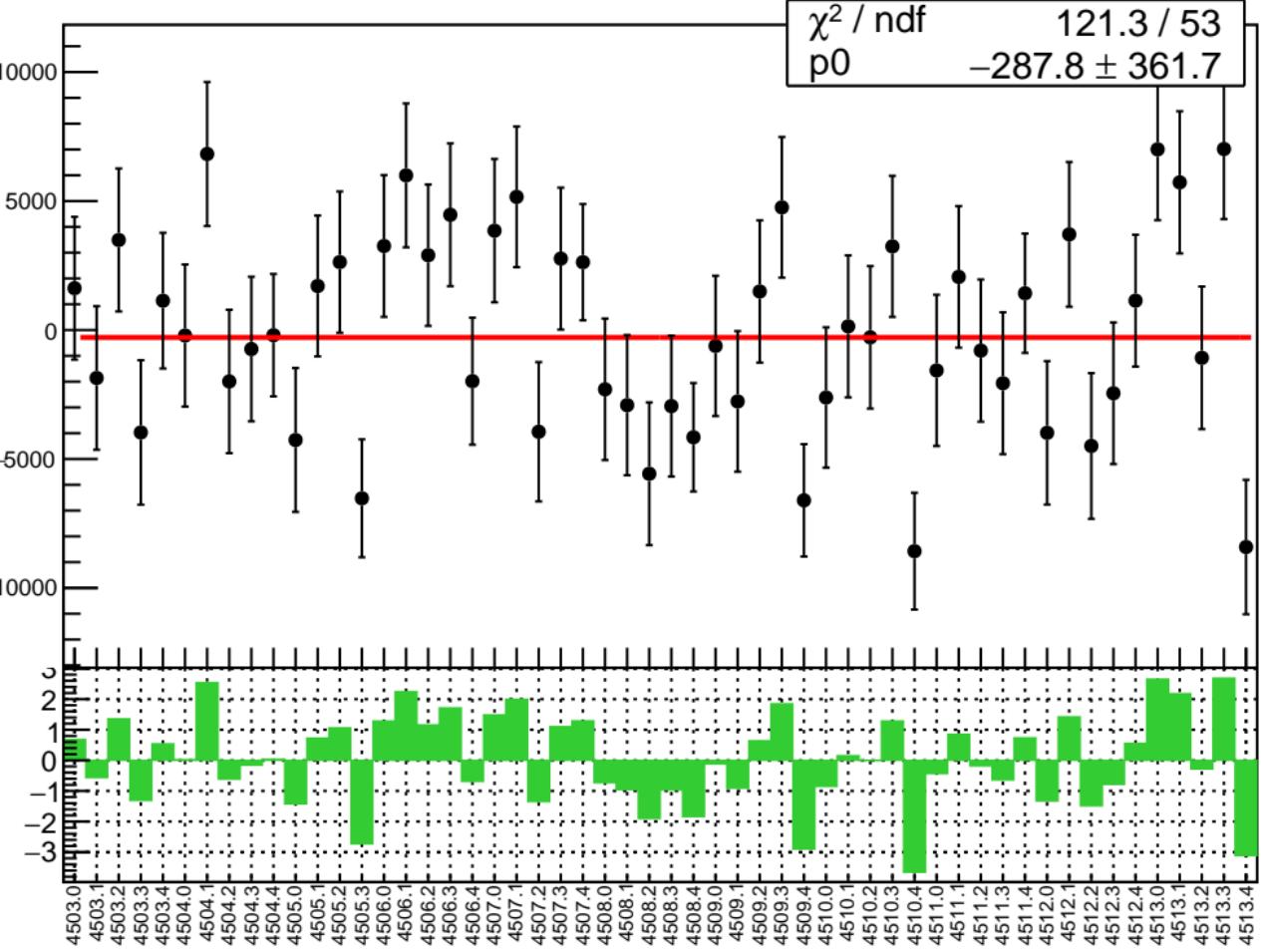


# corr\_usl\_bpm4aY RMS (ppm)

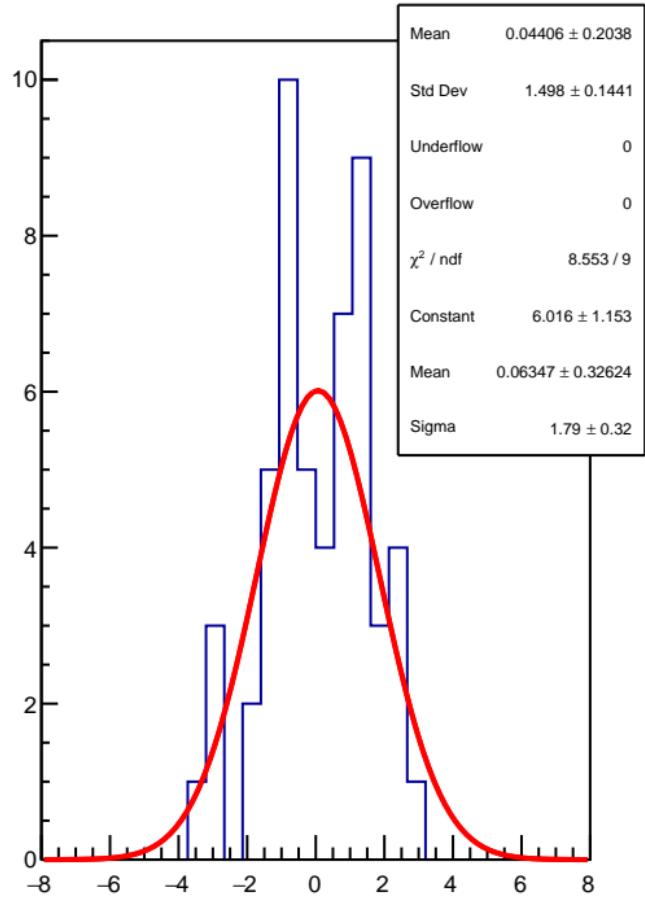
RMS (ppm)



corr\_usl\_bpm1X (ppb)

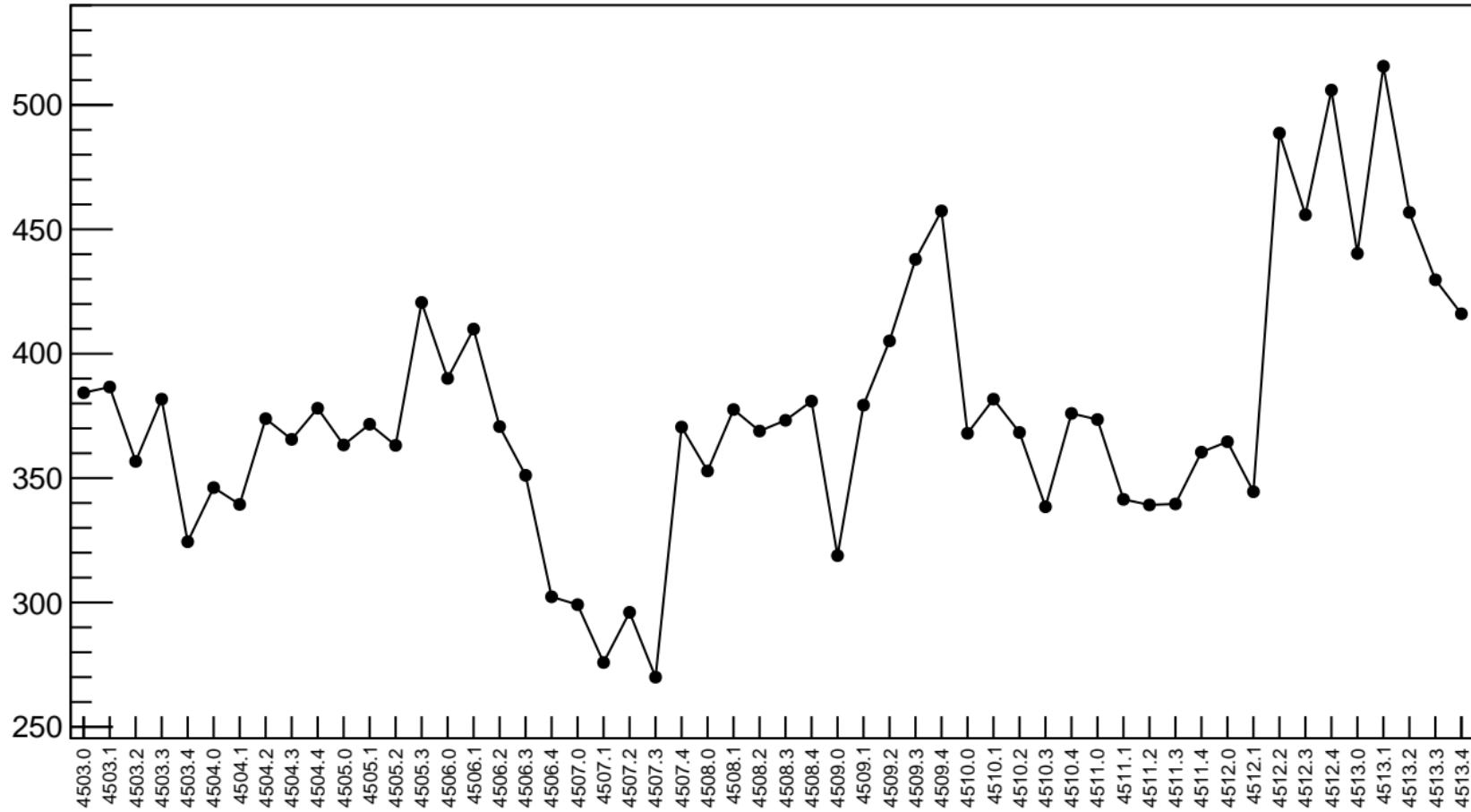


1D pull distribution

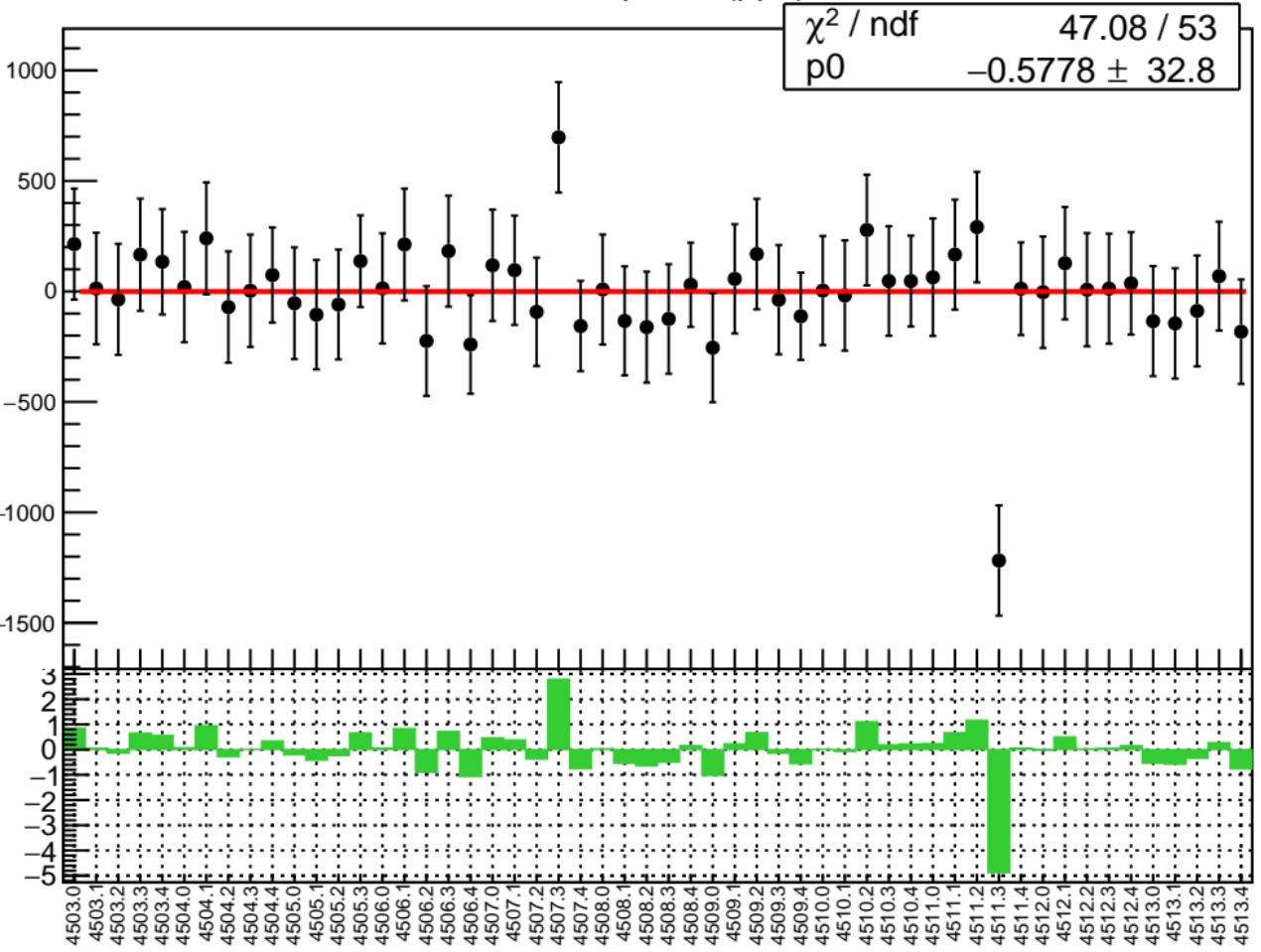


# corr\_usl\_bpm1X RMS (ppm)

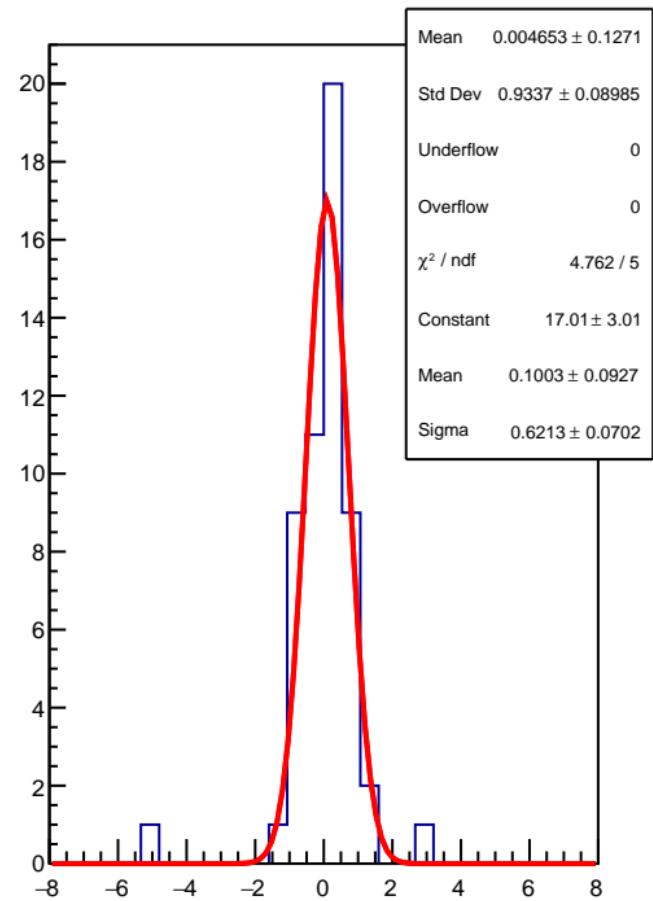
RMS (ppm)



corr\_usl\_bpm1Y (ppb)

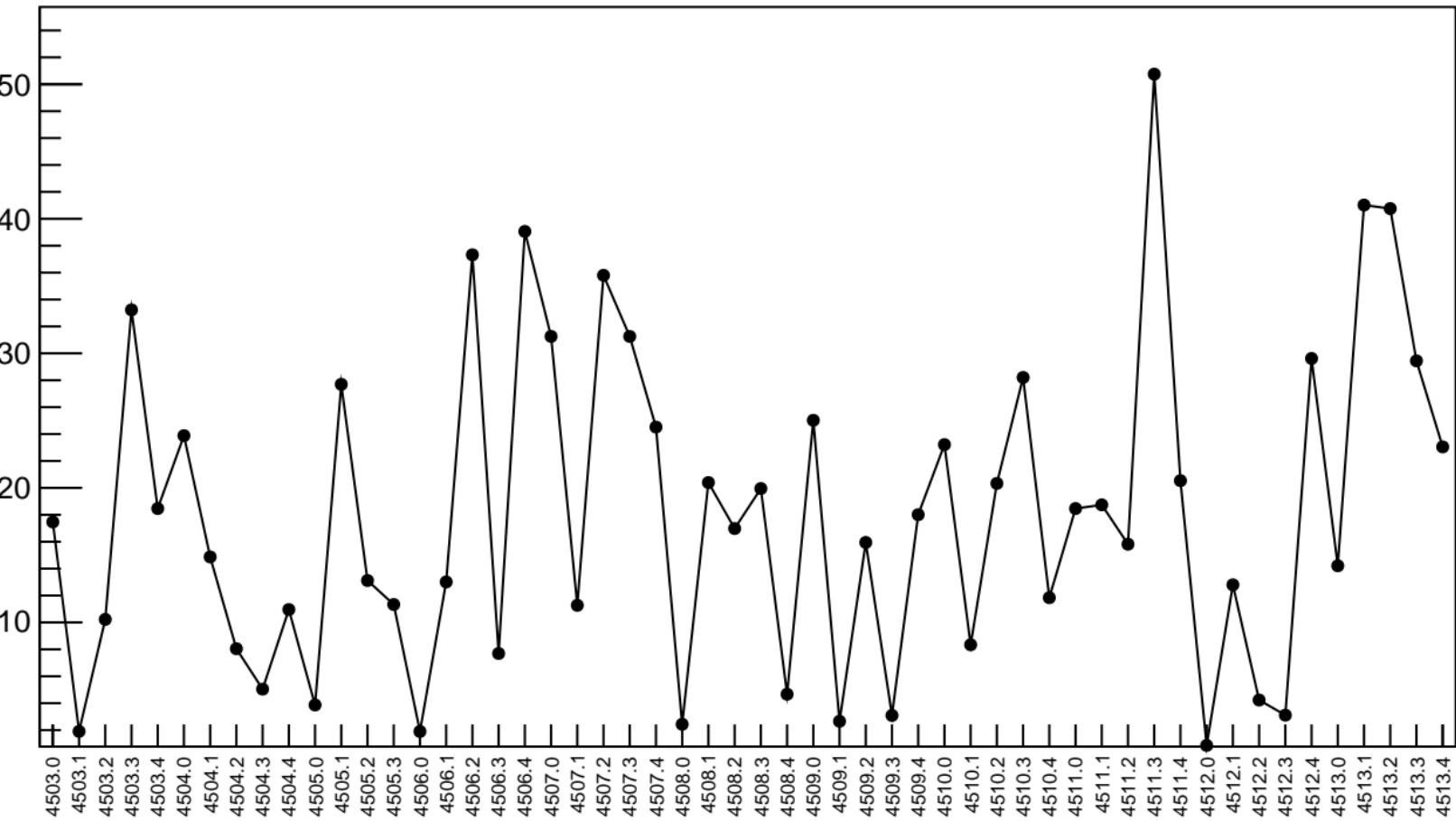


1D pull distribution

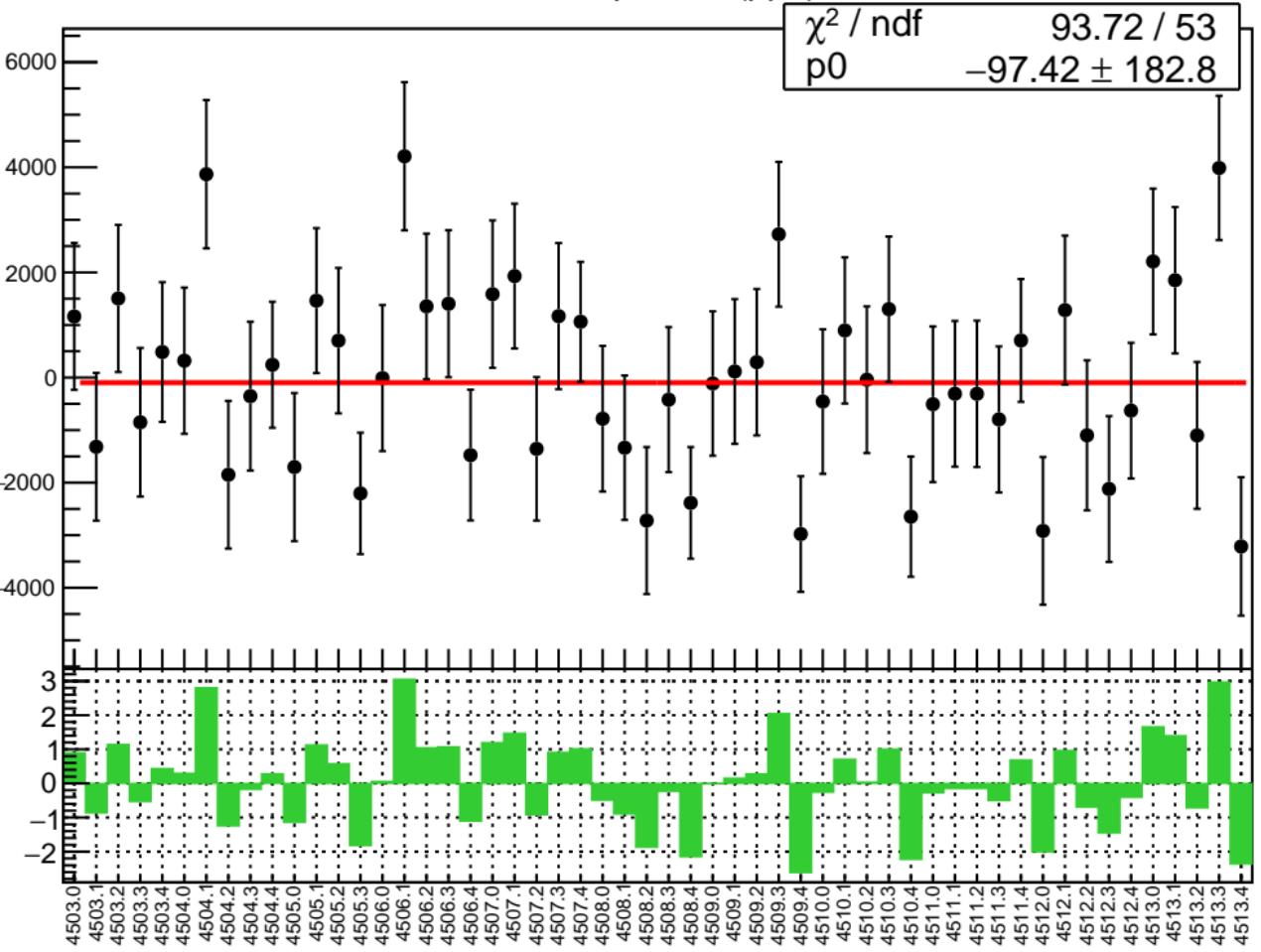


# corr\_usl\_bpm1Y RMS (ppm)

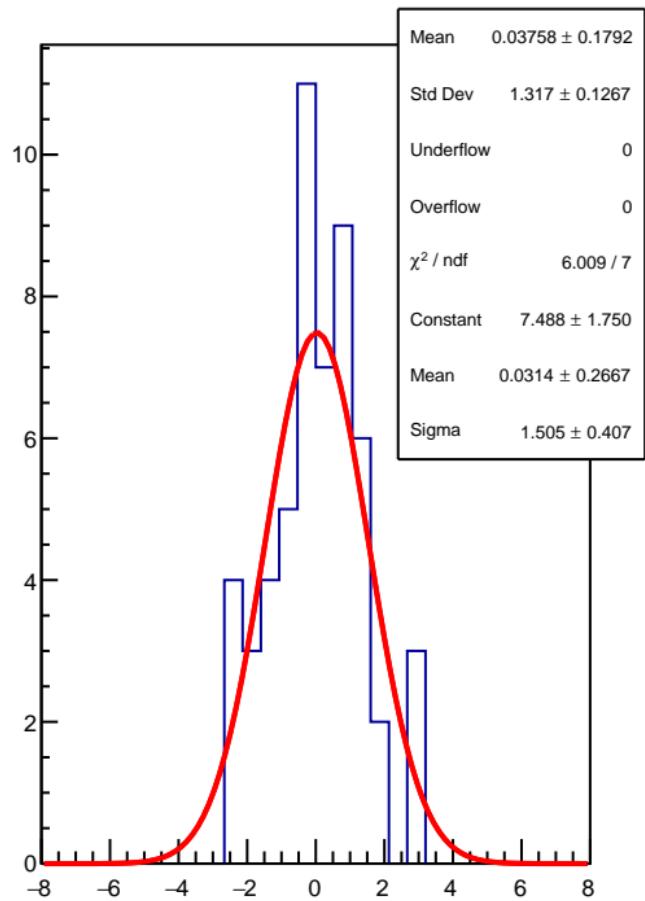
RMS (ppm)



corr\_usl\_bpm16X (ppb)

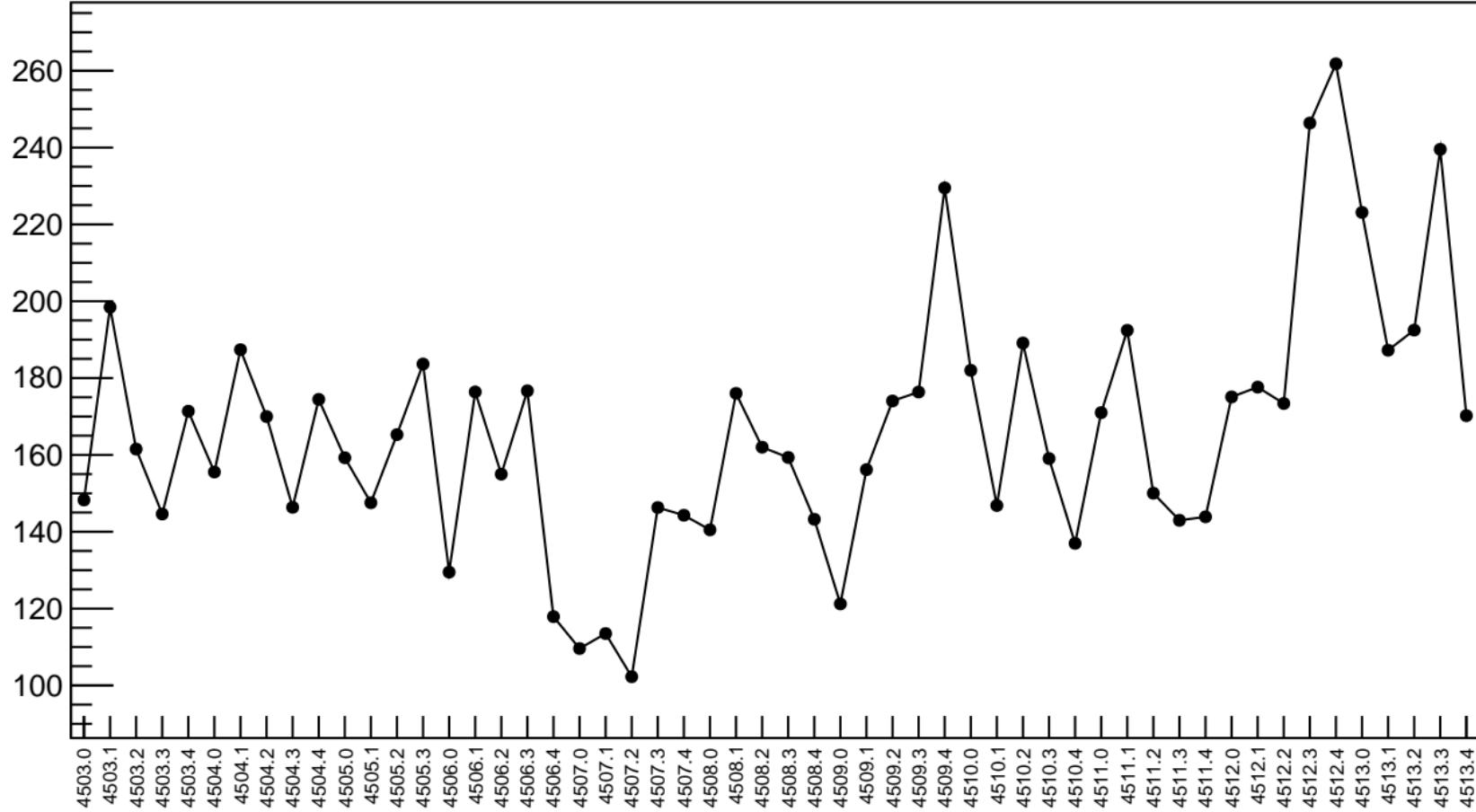


1D pull distribution

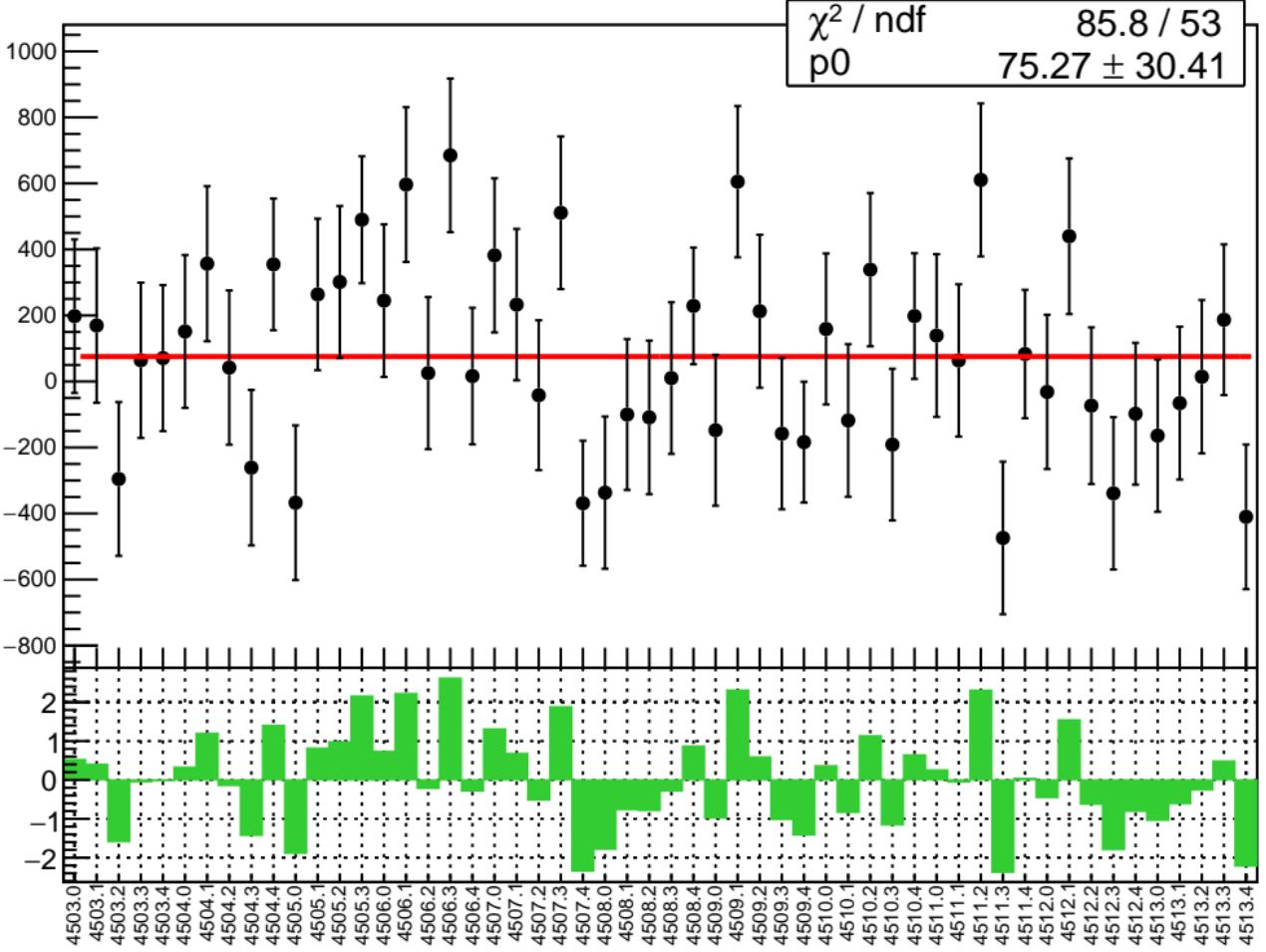


# corr\_usl\_bpm16X RMS (ppm)

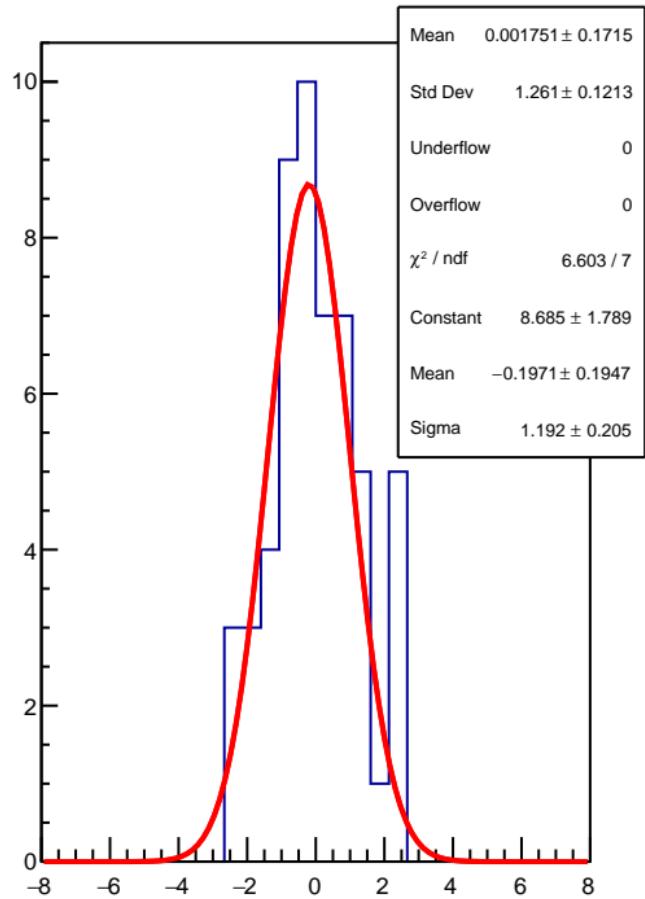
RMS (ppm)



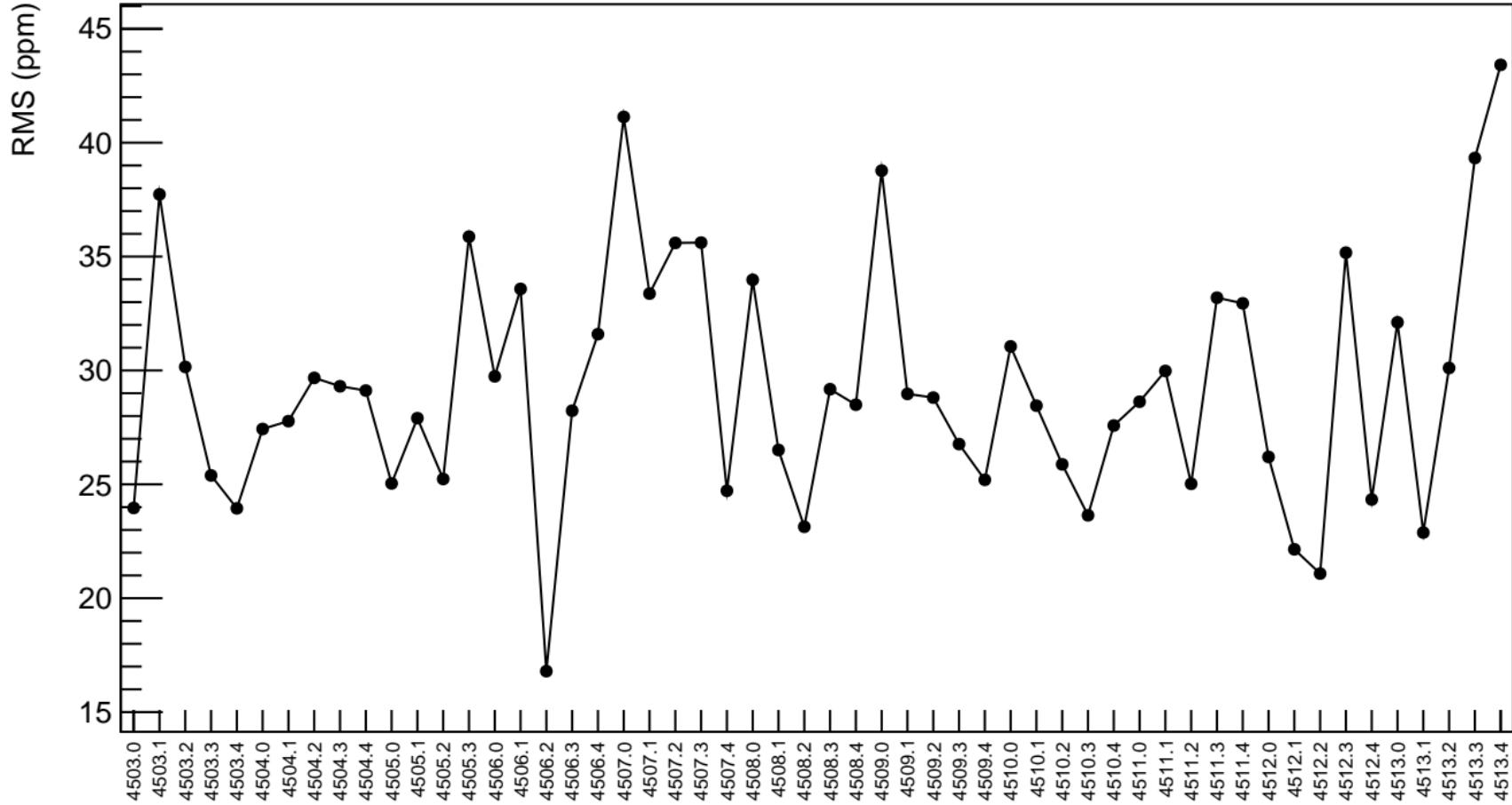
corr\_usl\_bpm16Y (ppb)



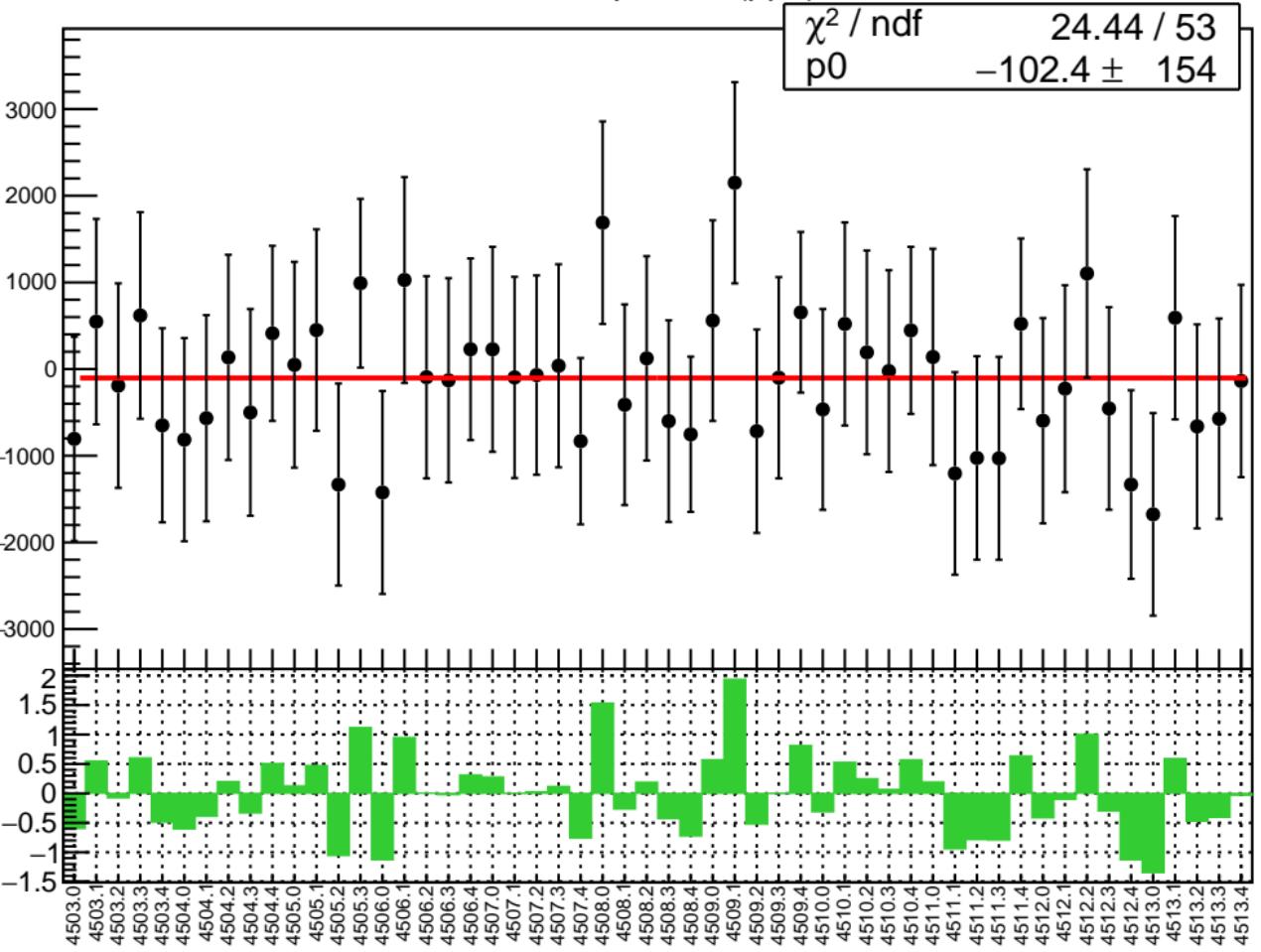
1D pull distribution



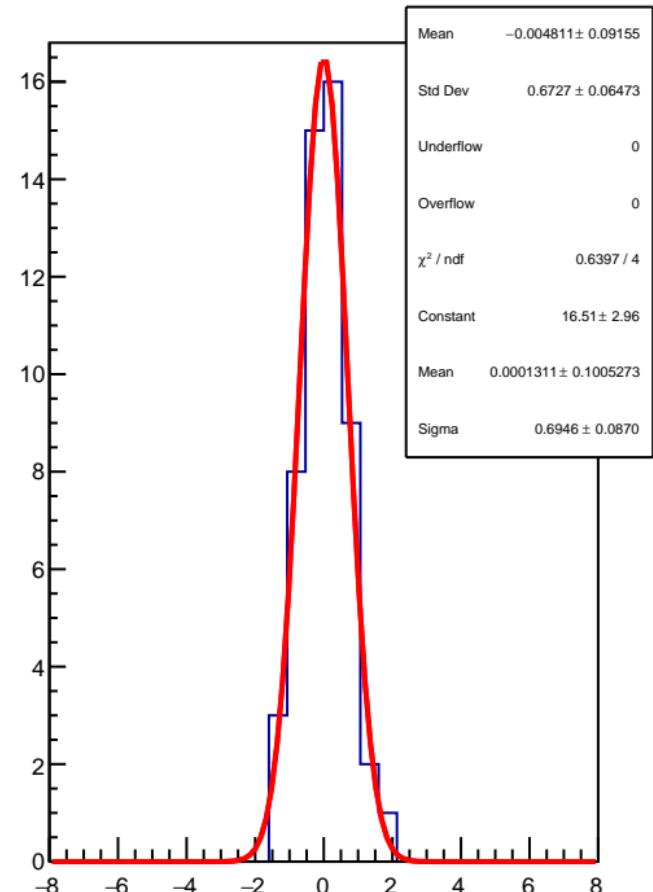
# corr\_usl\_bpm16Y RMS (ppm)



corr\_usl\_bpm12X (ppb)

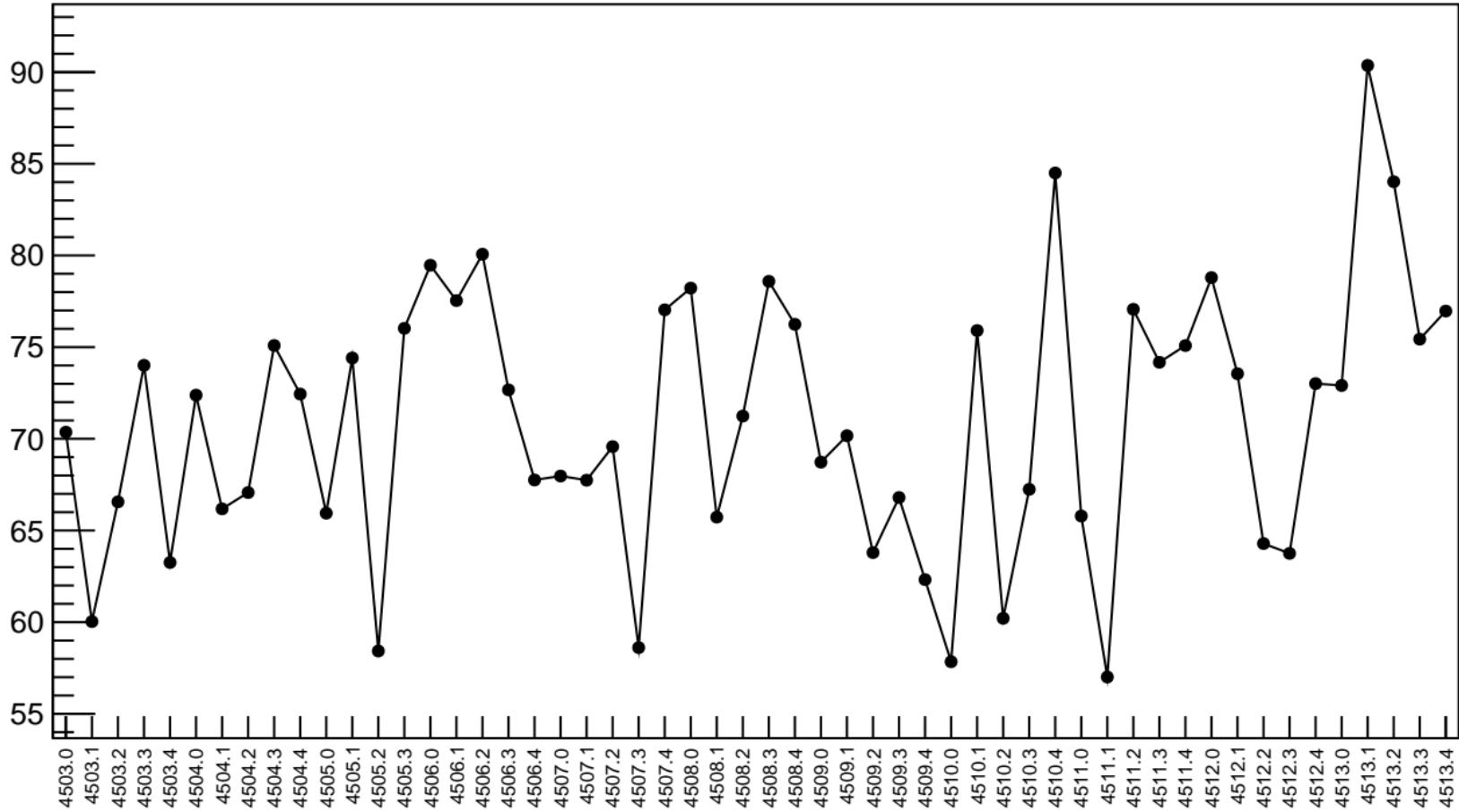


1D pull distribution

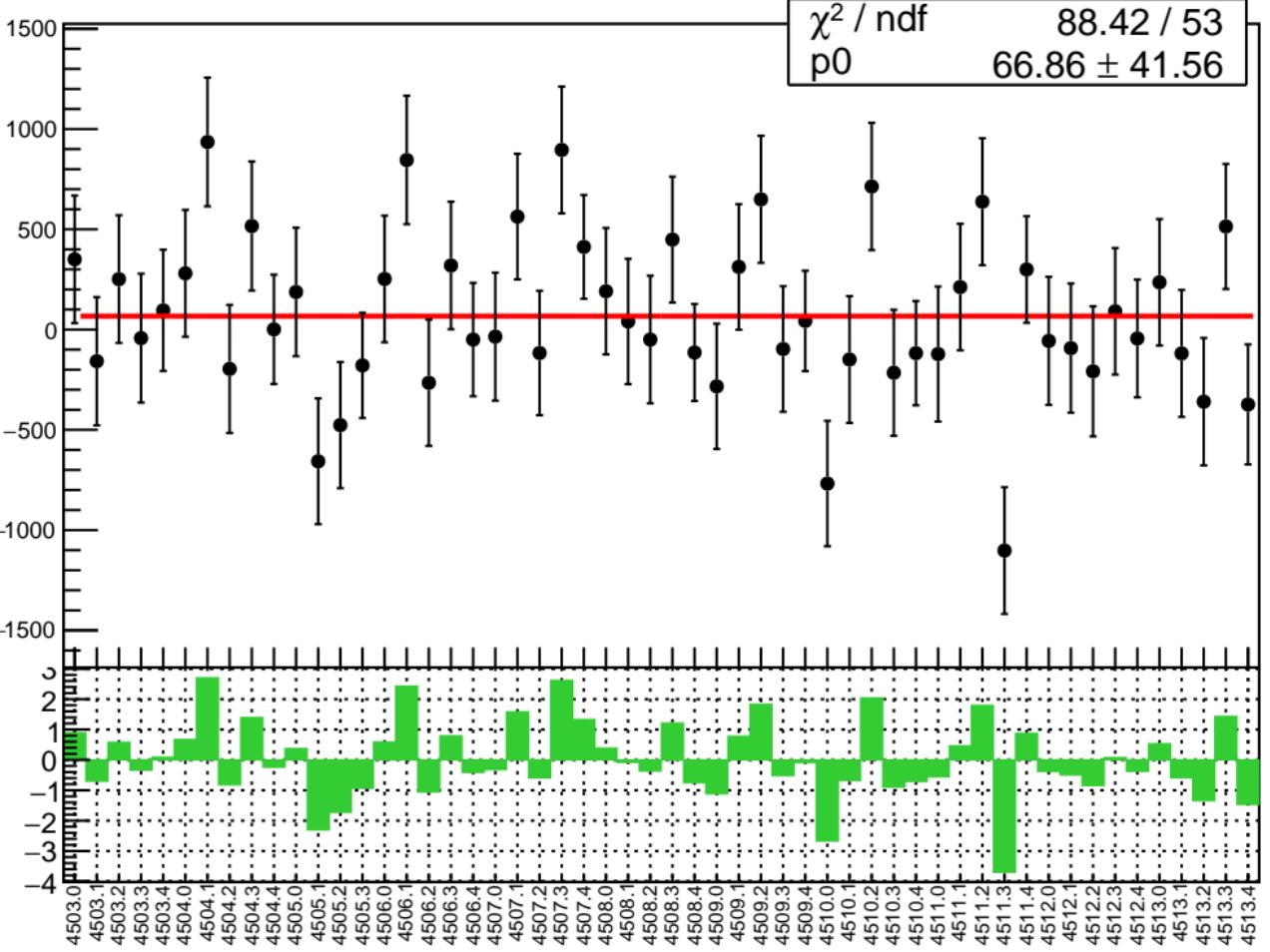


# corr\_usl\_bpm12X RMS (ppm)

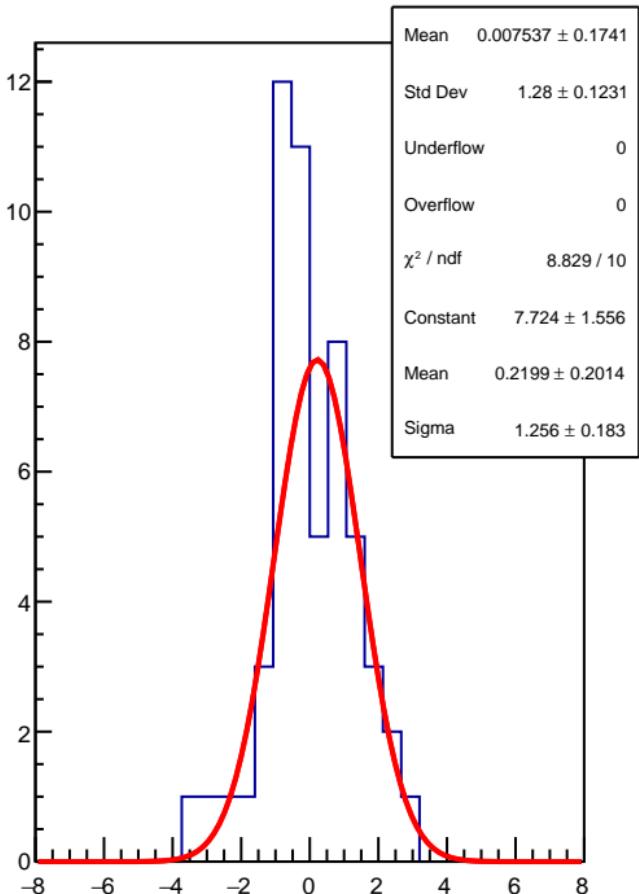
RMS (ppm)



corr\_usl\_bpm12Y (ppb)

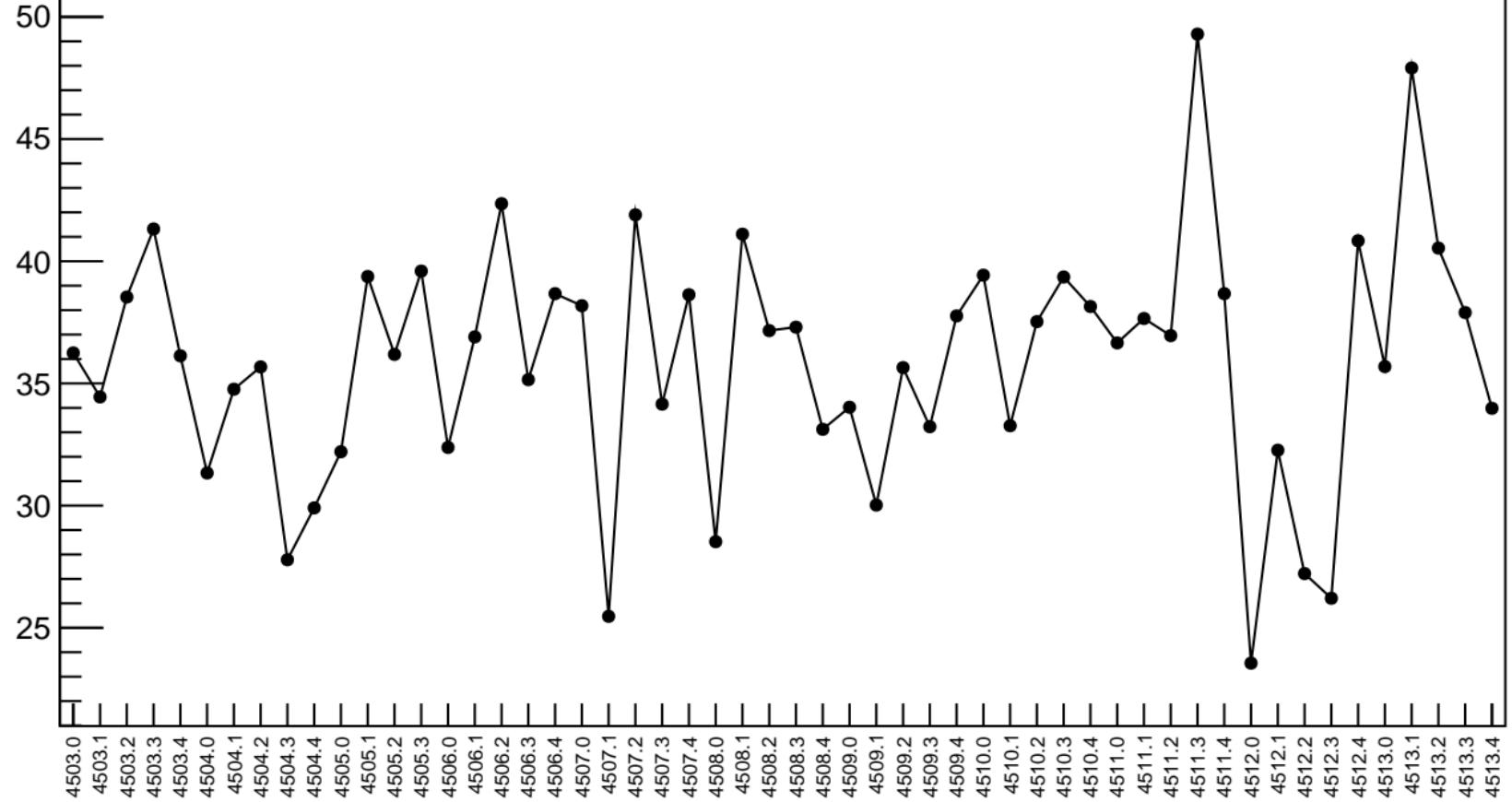


1D pull distribution

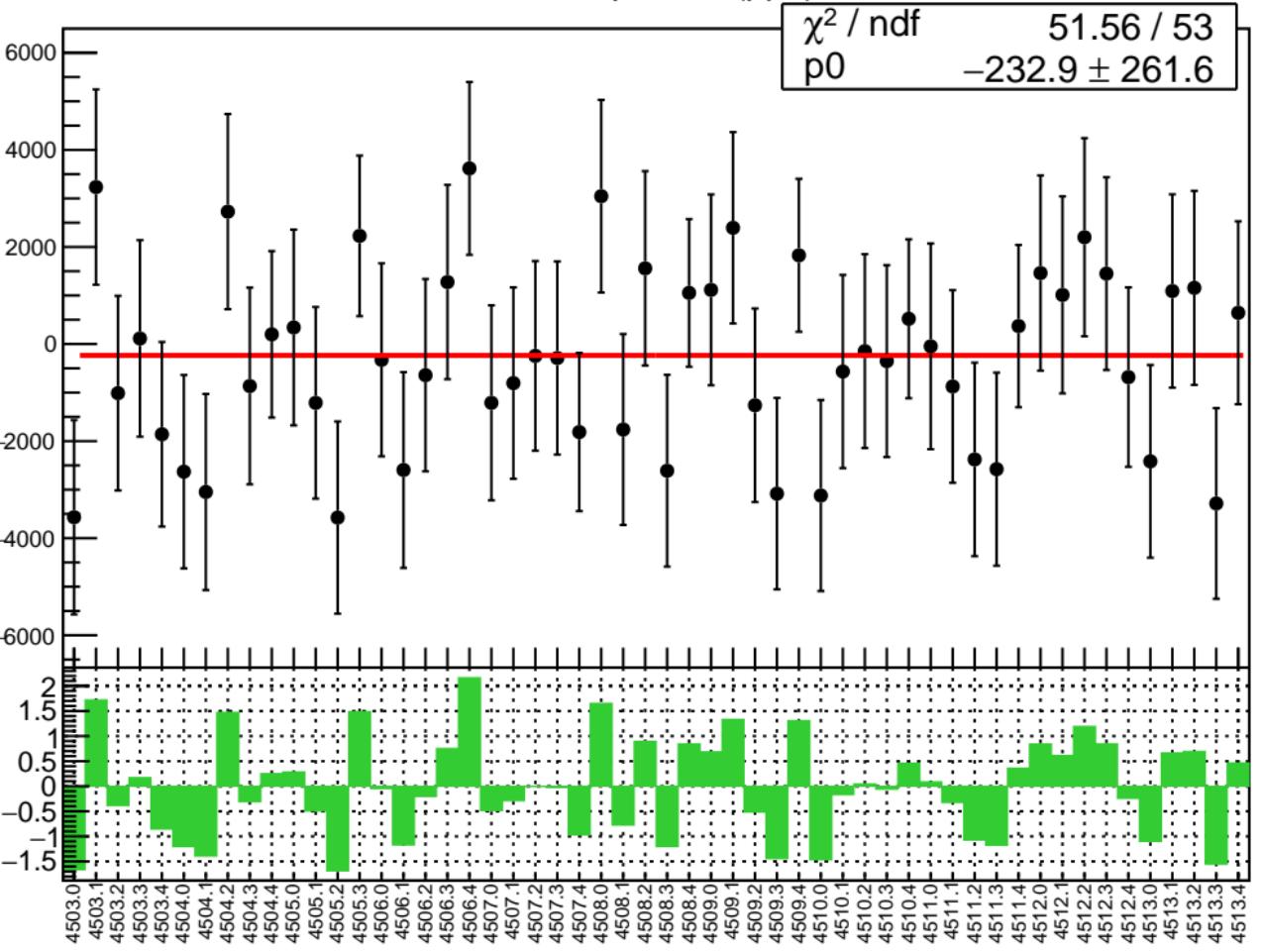


# corr\_usl\_bpm12Y RMS (ppm)

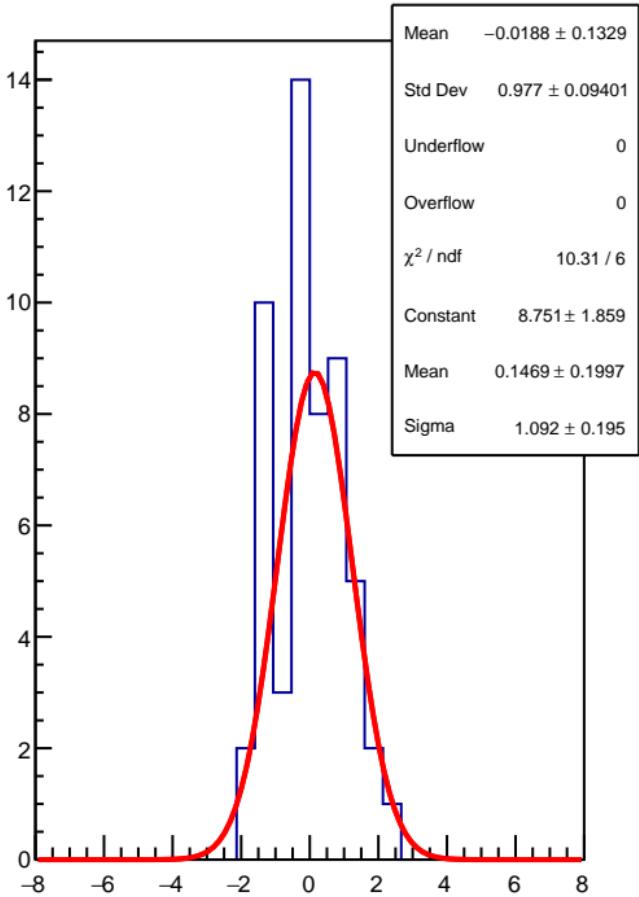
RMS (ppm)



corr\_usl\_bpm11X (ppb)

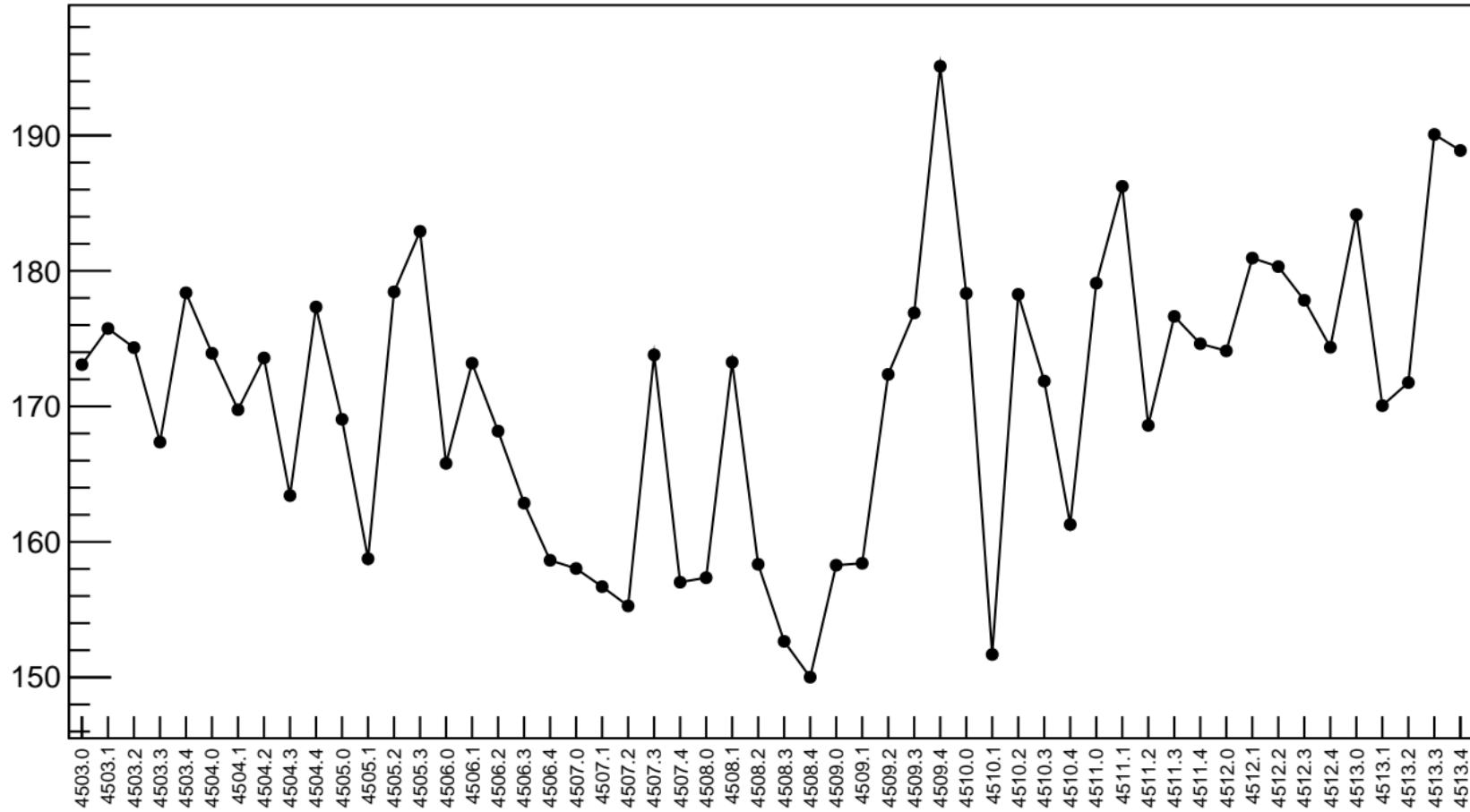


1D pull distribution

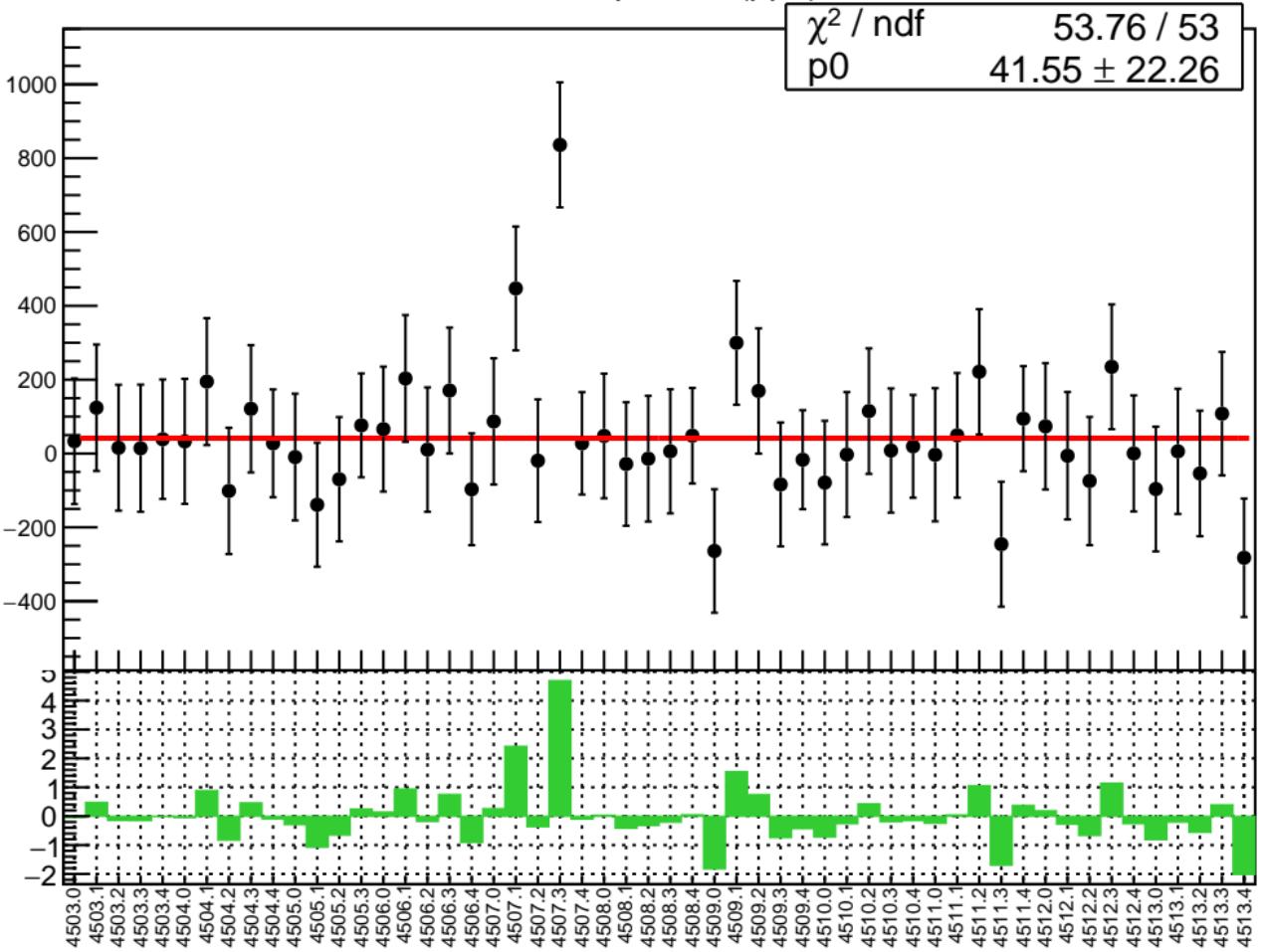


# corr\_usl\_bpm11X RMS (ppm)

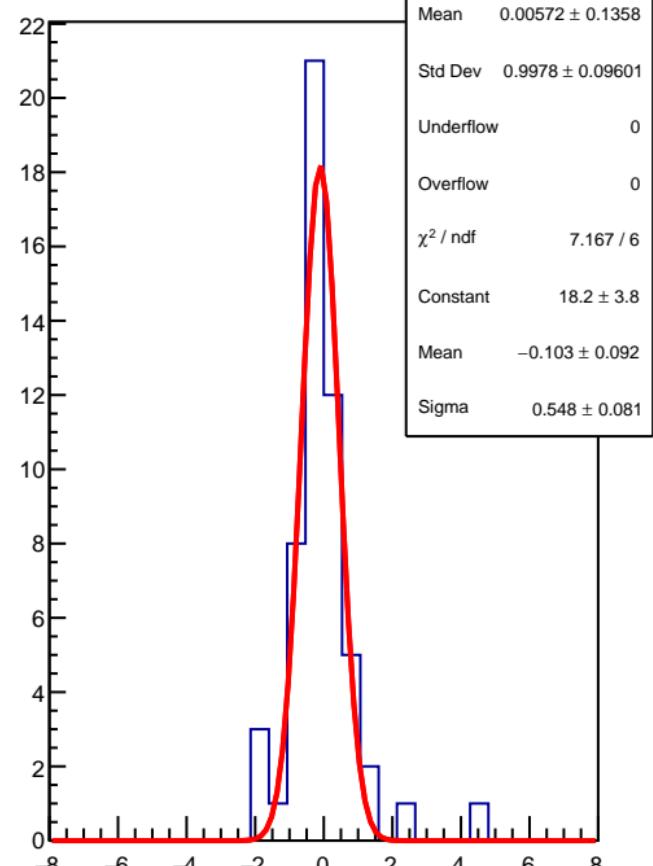
RMS (ppm)



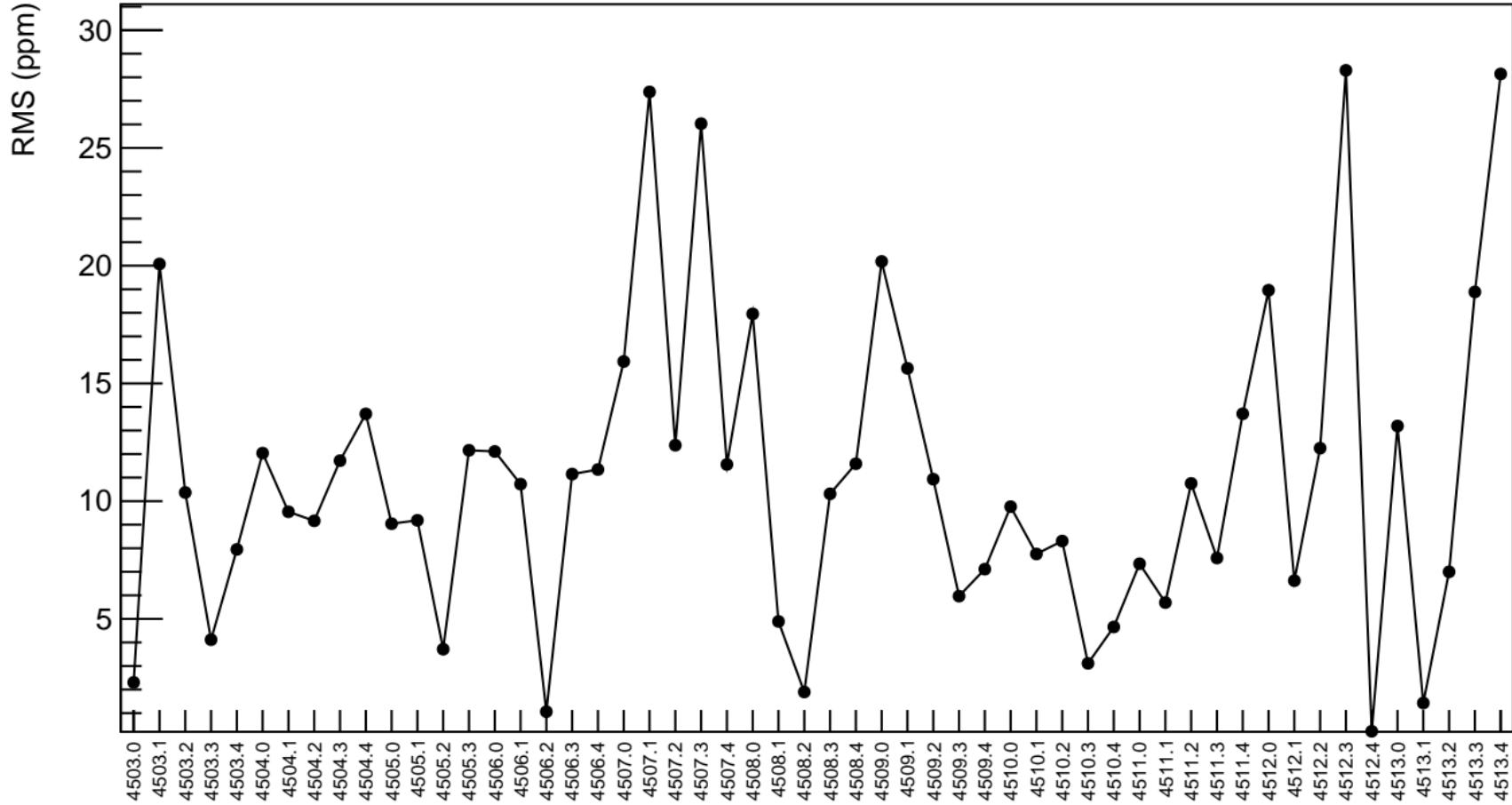
corr\_usl\_bpm11Y (ppb)



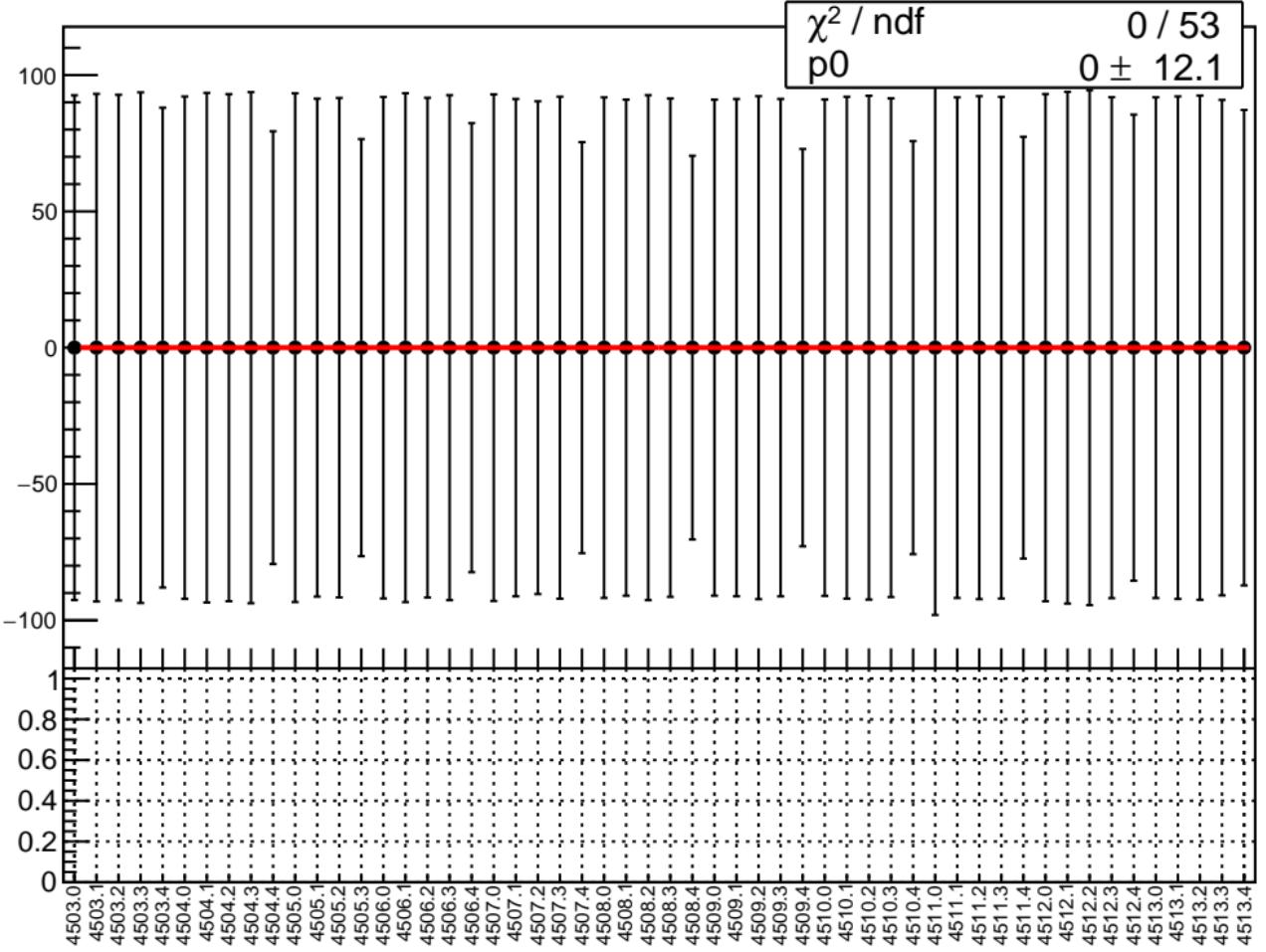
1D pull distribution



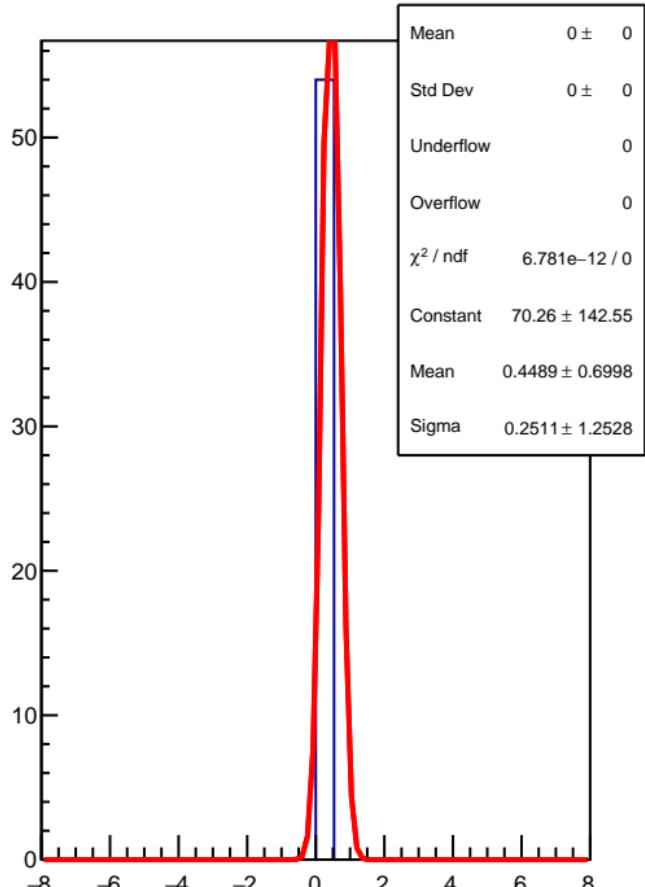
# corr\_usl\_bpm11Y RMS (ppm)



corr\_usl\_bpm8X (ppb)

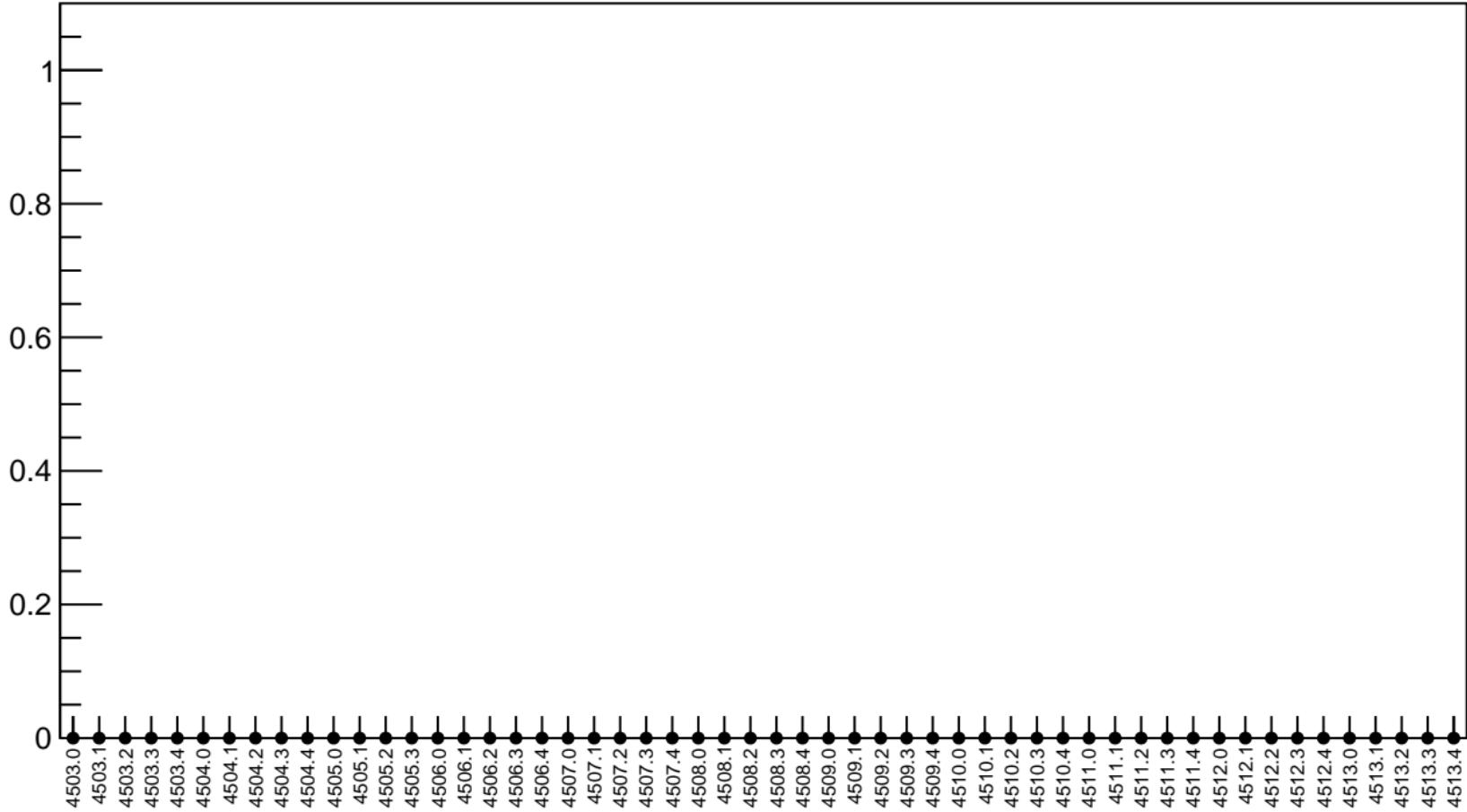


1D pull distribution

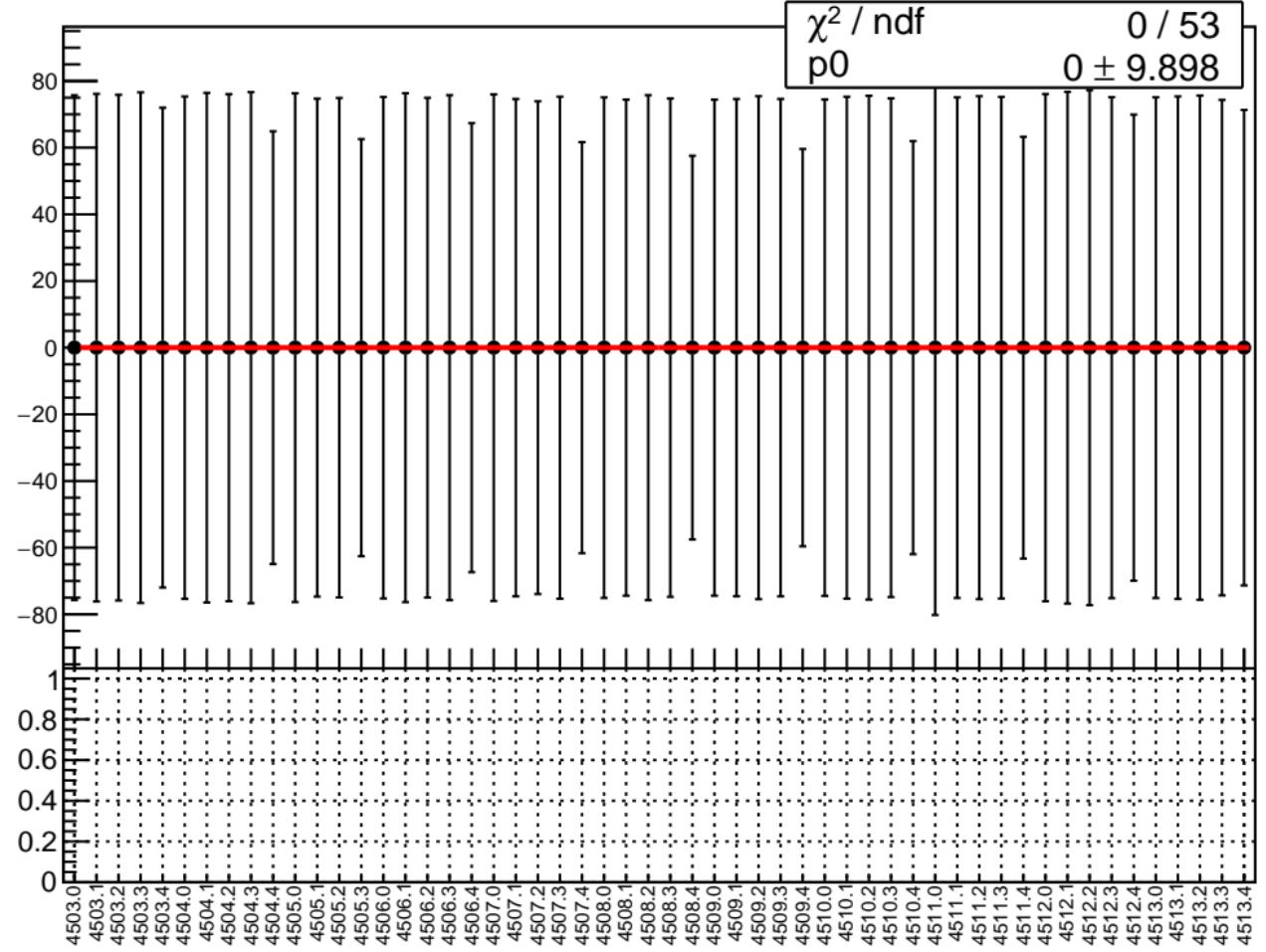


# corr\_usl\_bpm8X RMS (ppm)

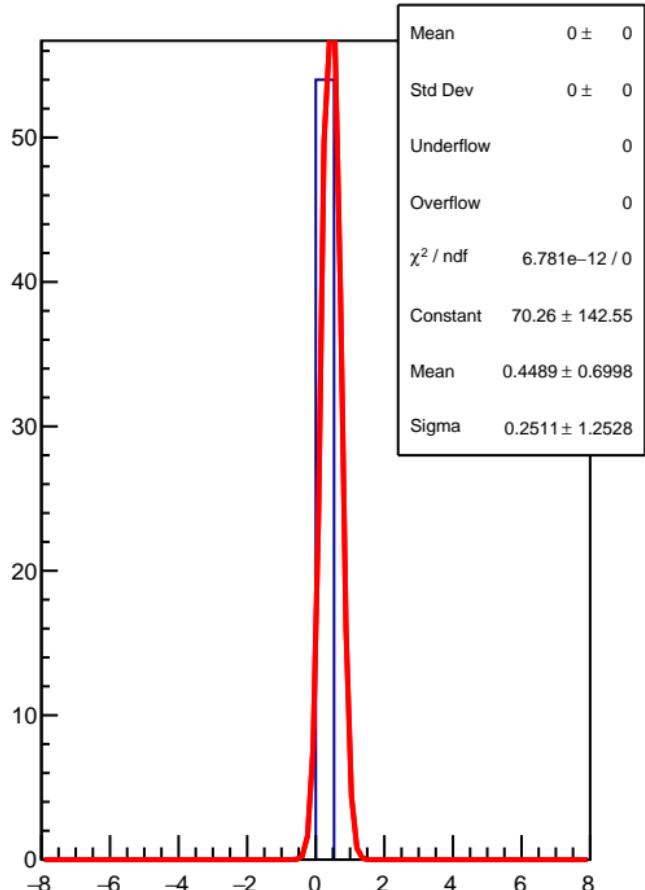
RMS (ppm)



corr\_usl\_bpm8Y (ppb)

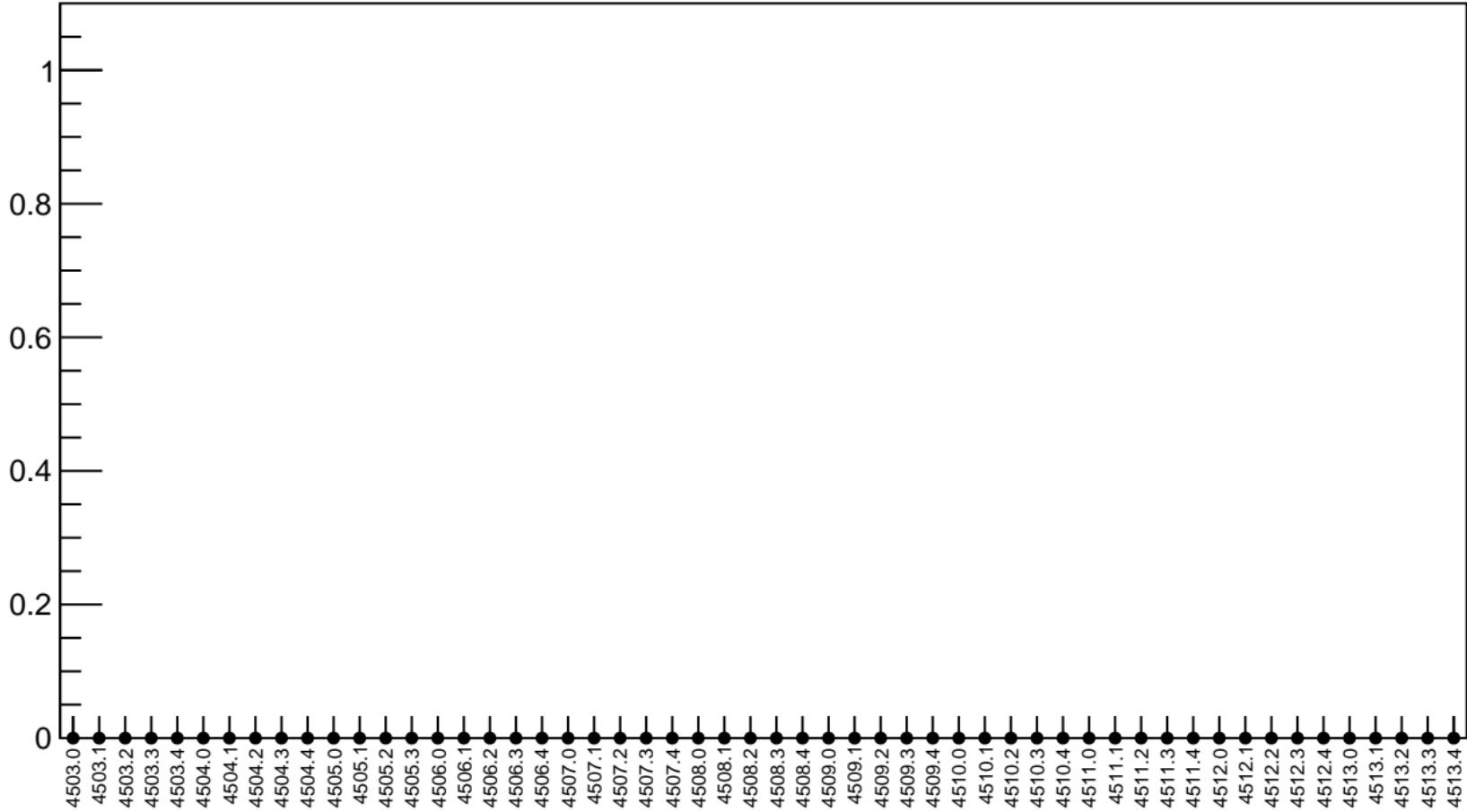


1D pull distribution



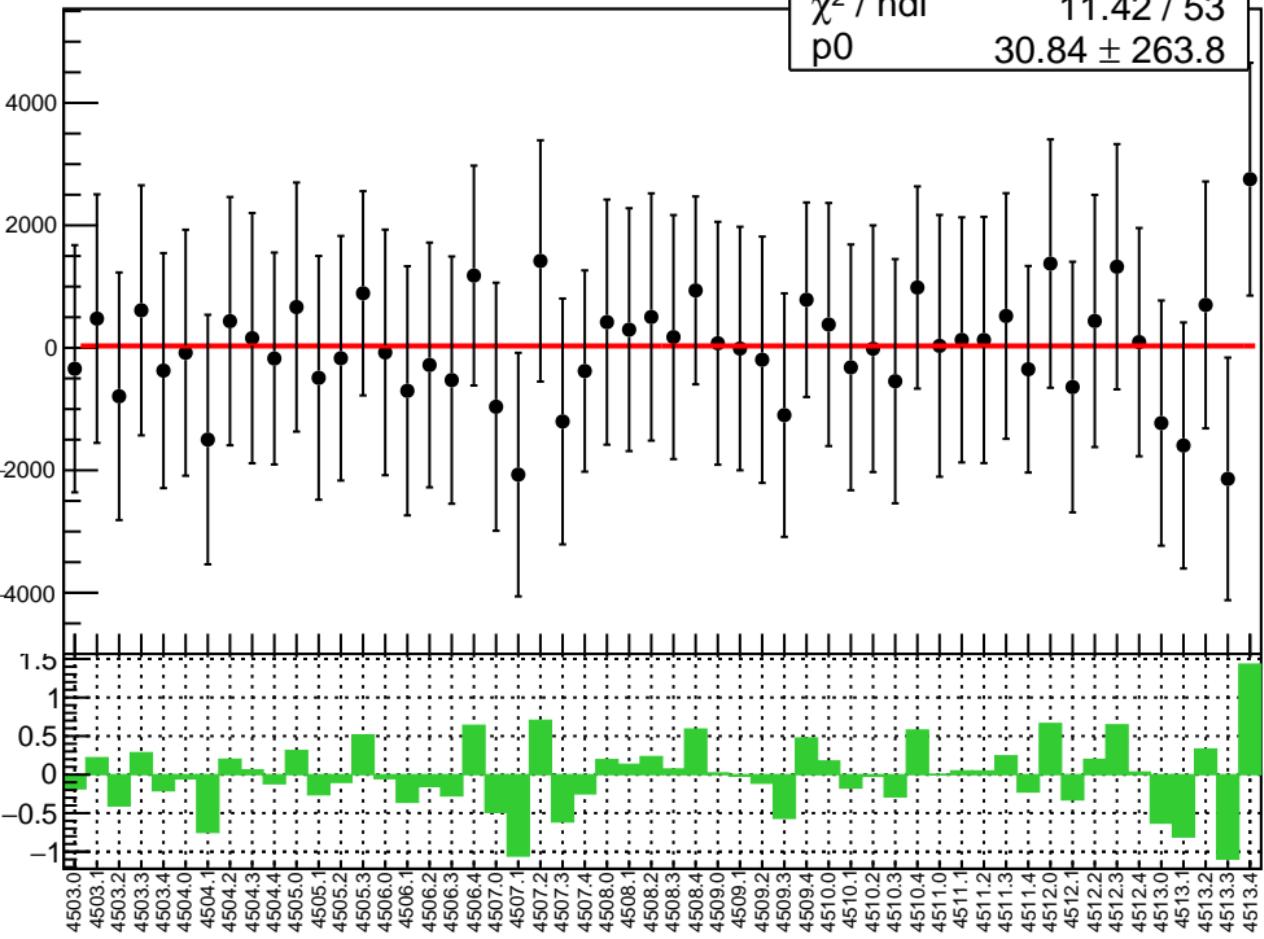
# corr\_usl\_bpm8Y RMS (ppm)

RMS (ppm)

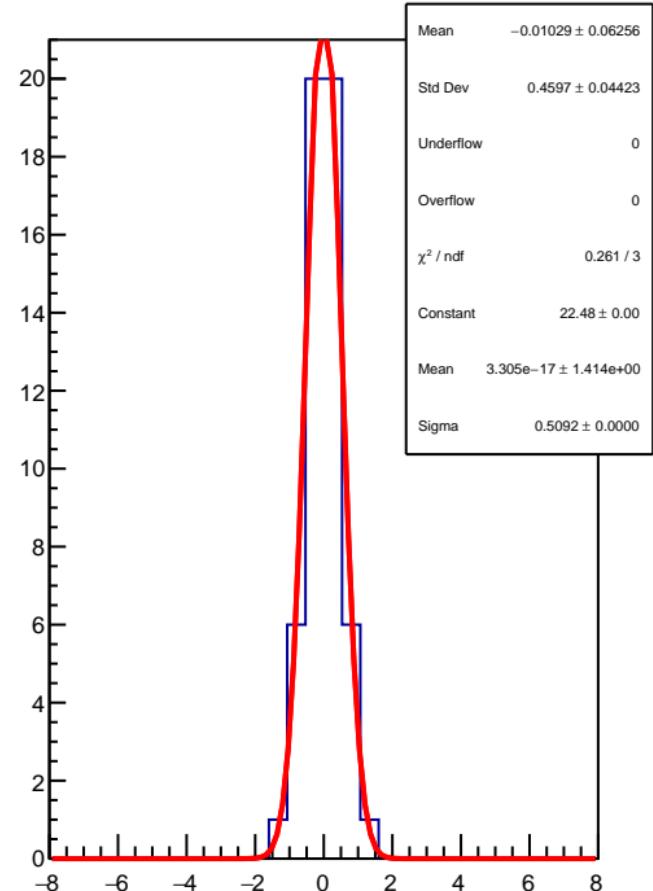


corr\_usr\_bpm4eX (ppb)

$\chi^2 / \text{ndf}$  11.42 / 53  
p0  $30.84 \pm 263.8$

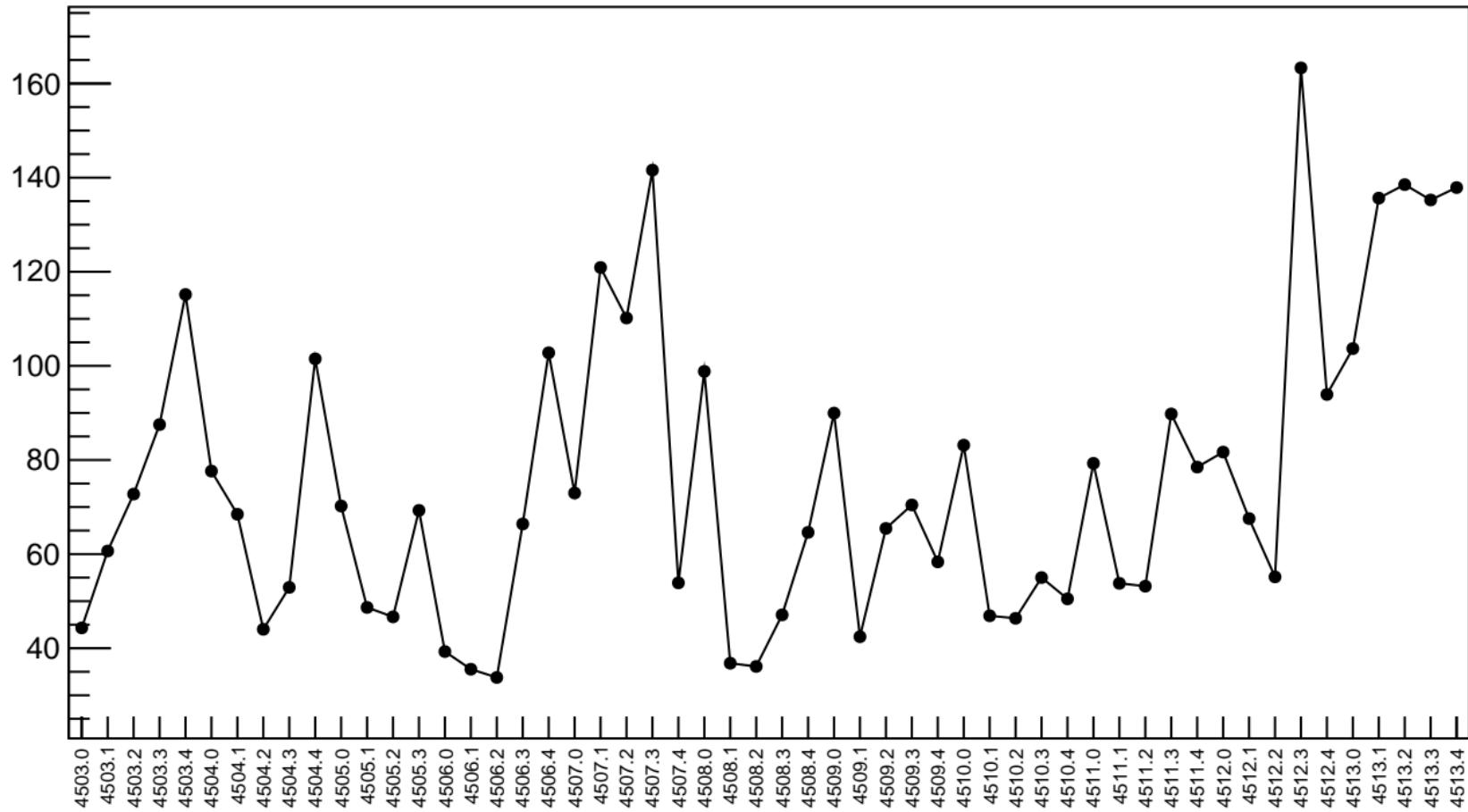


1D pull distribution

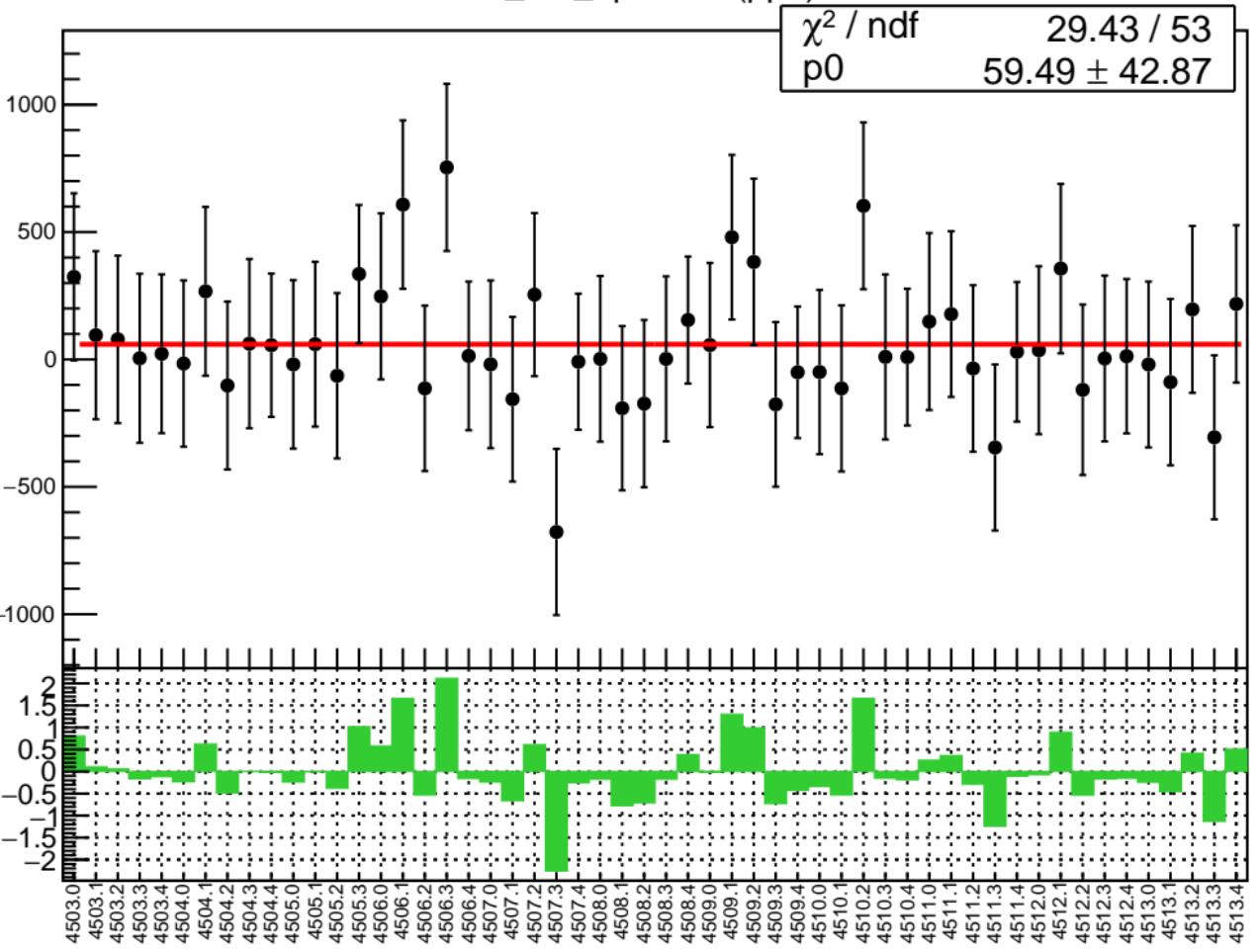


# corr\_usr\_bpm4eX RMS (ppm)

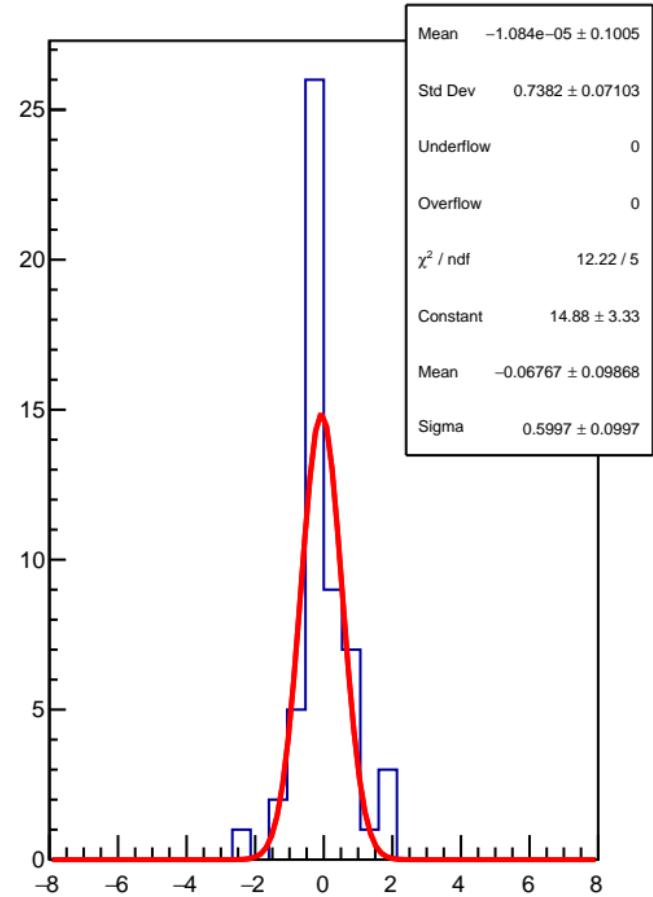
RMS (ppm)



corr\_usr\_bpm4eY (ppb)

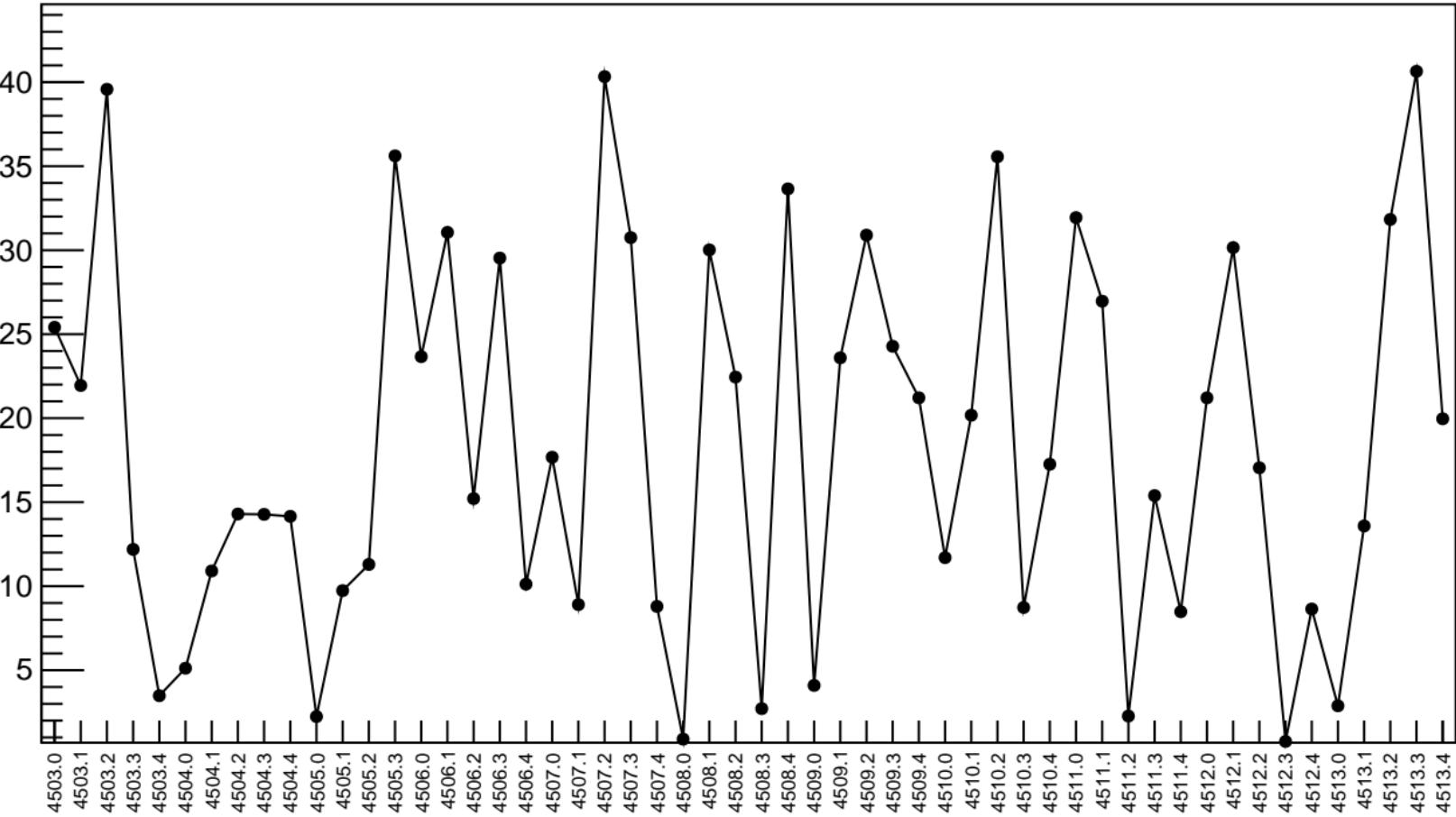


1D pull distribution



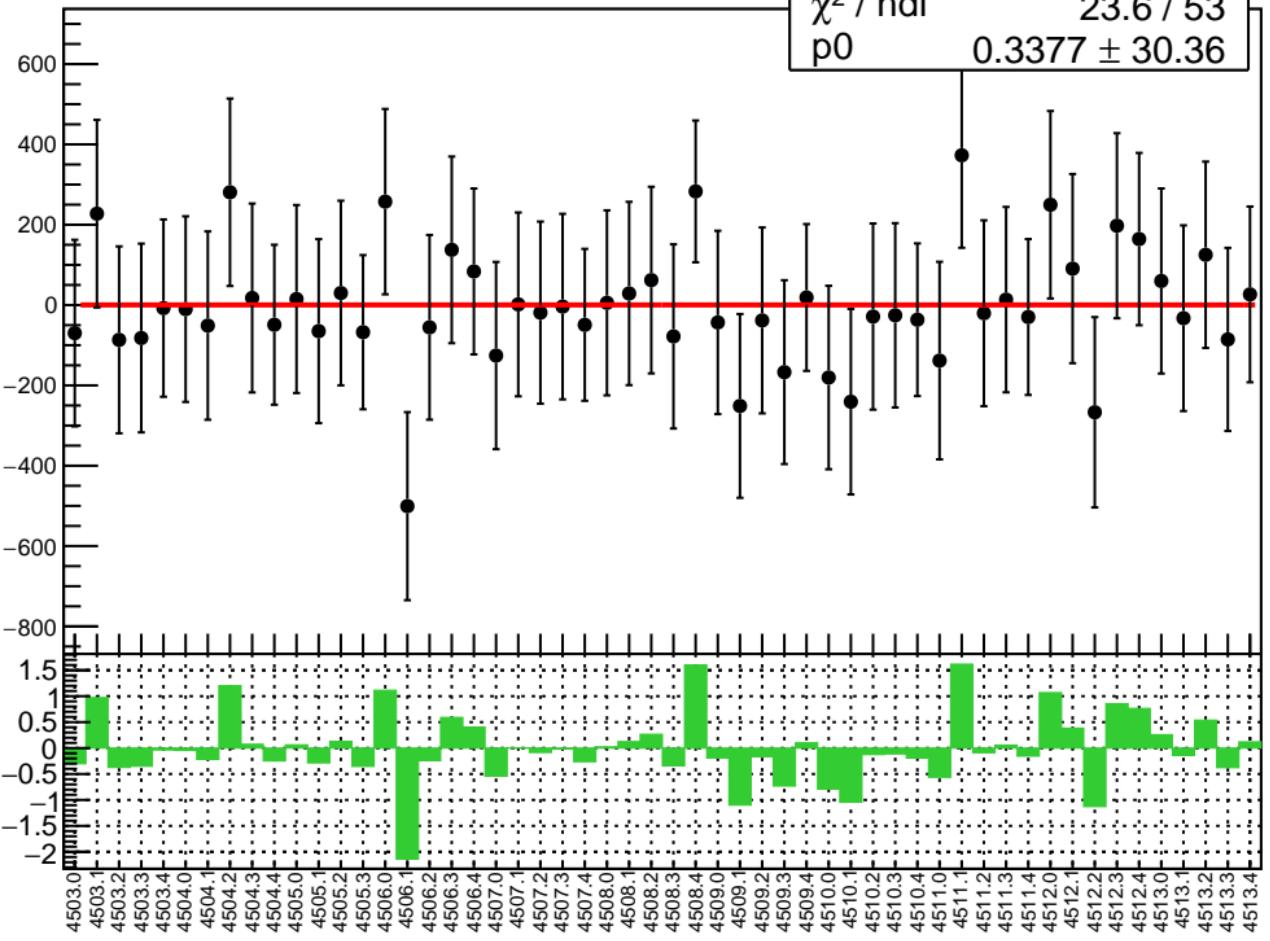
# corr\_usr\_bpm4eY RMS (ppm)

RMS (ppm)

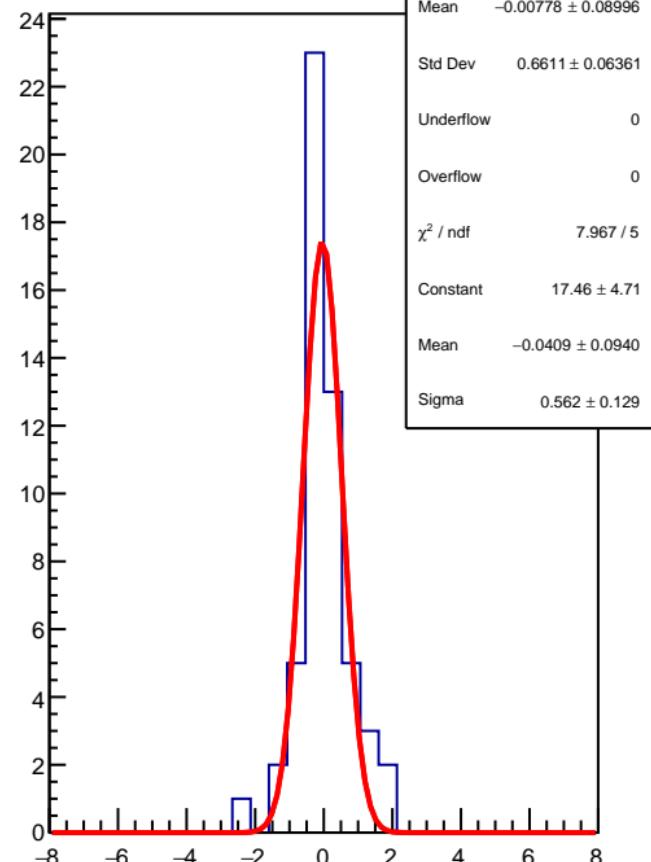


corr\_usr\_bpm4aX (ppb)

$\chi^2 / \text{ndf}$  23.6 / 53  
p0  $0.3377 \pm 30.36$

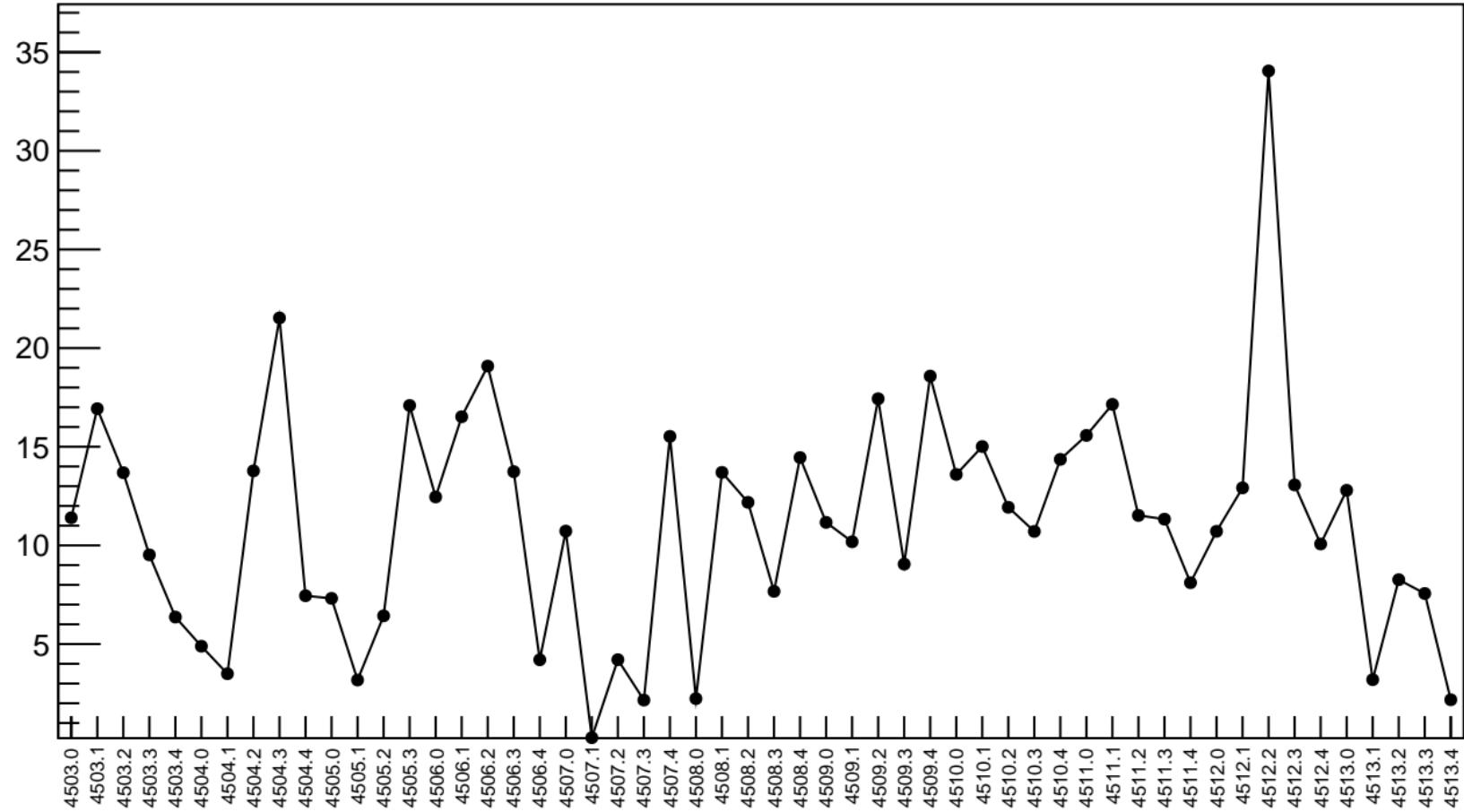


1D pull distribution

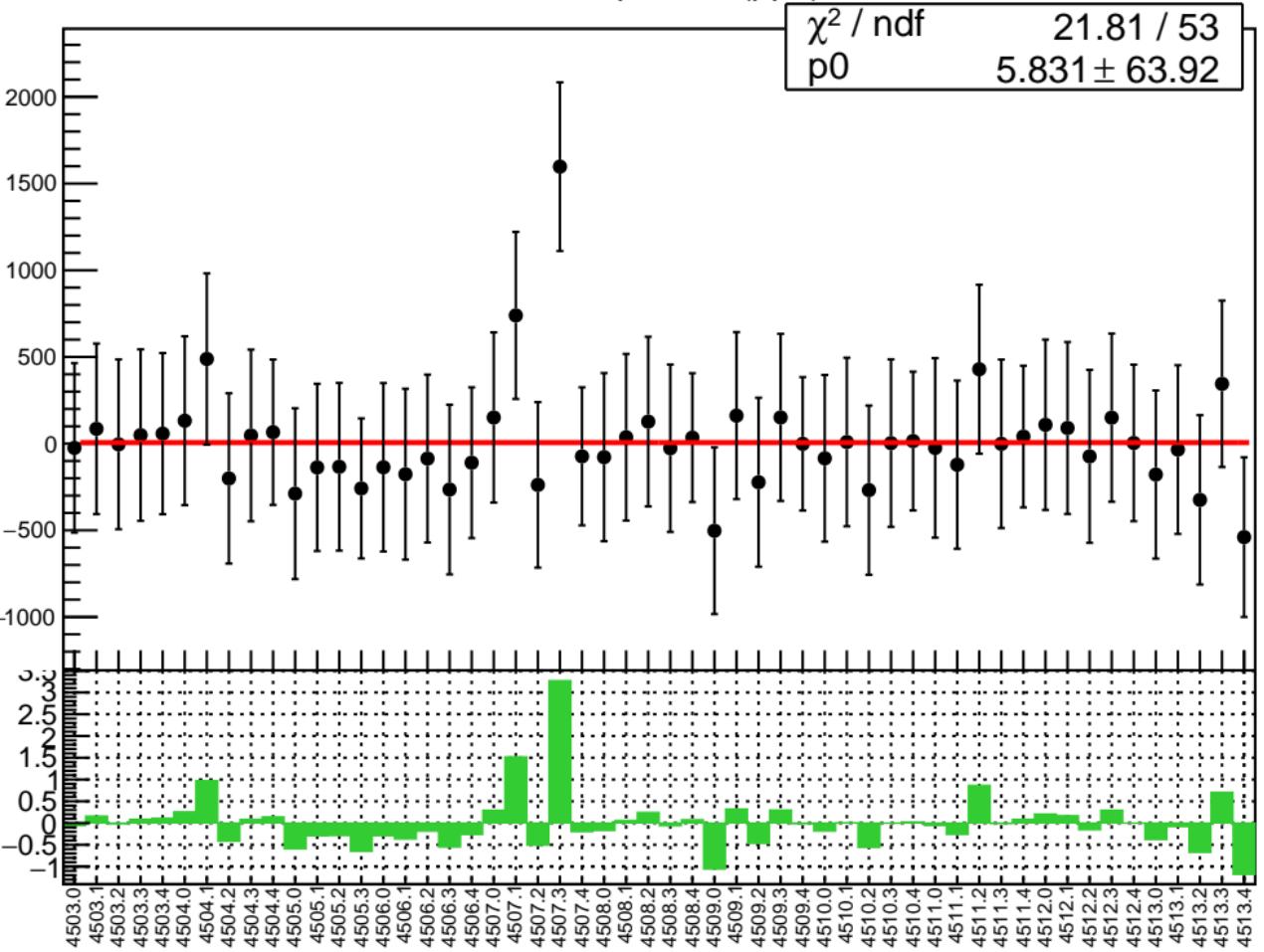


# corr\_usr\_bpm4aX RMS (ppm)

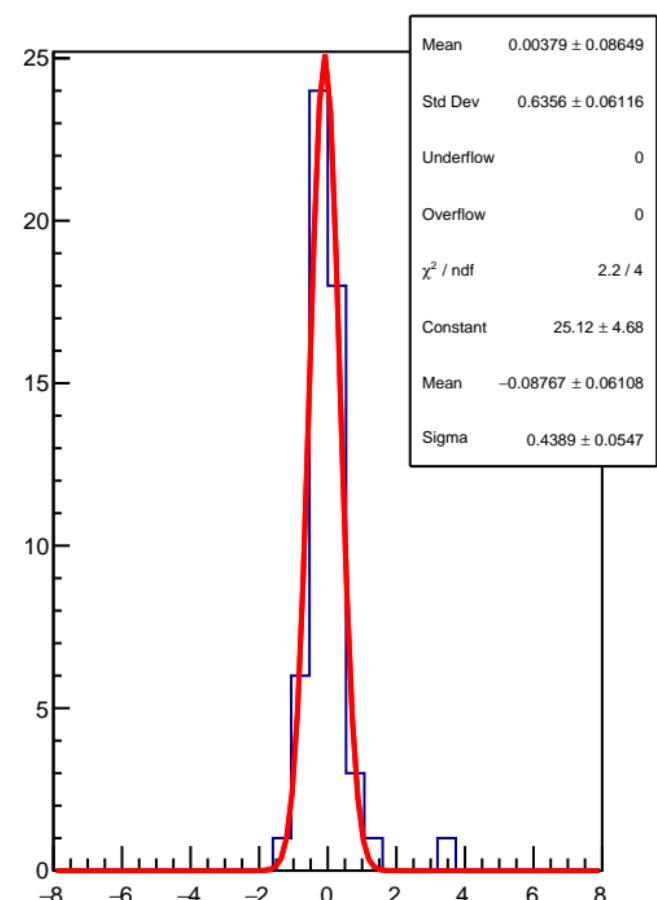
RMS (ppm)



corr\_usr\_bpm4aY (ppb)

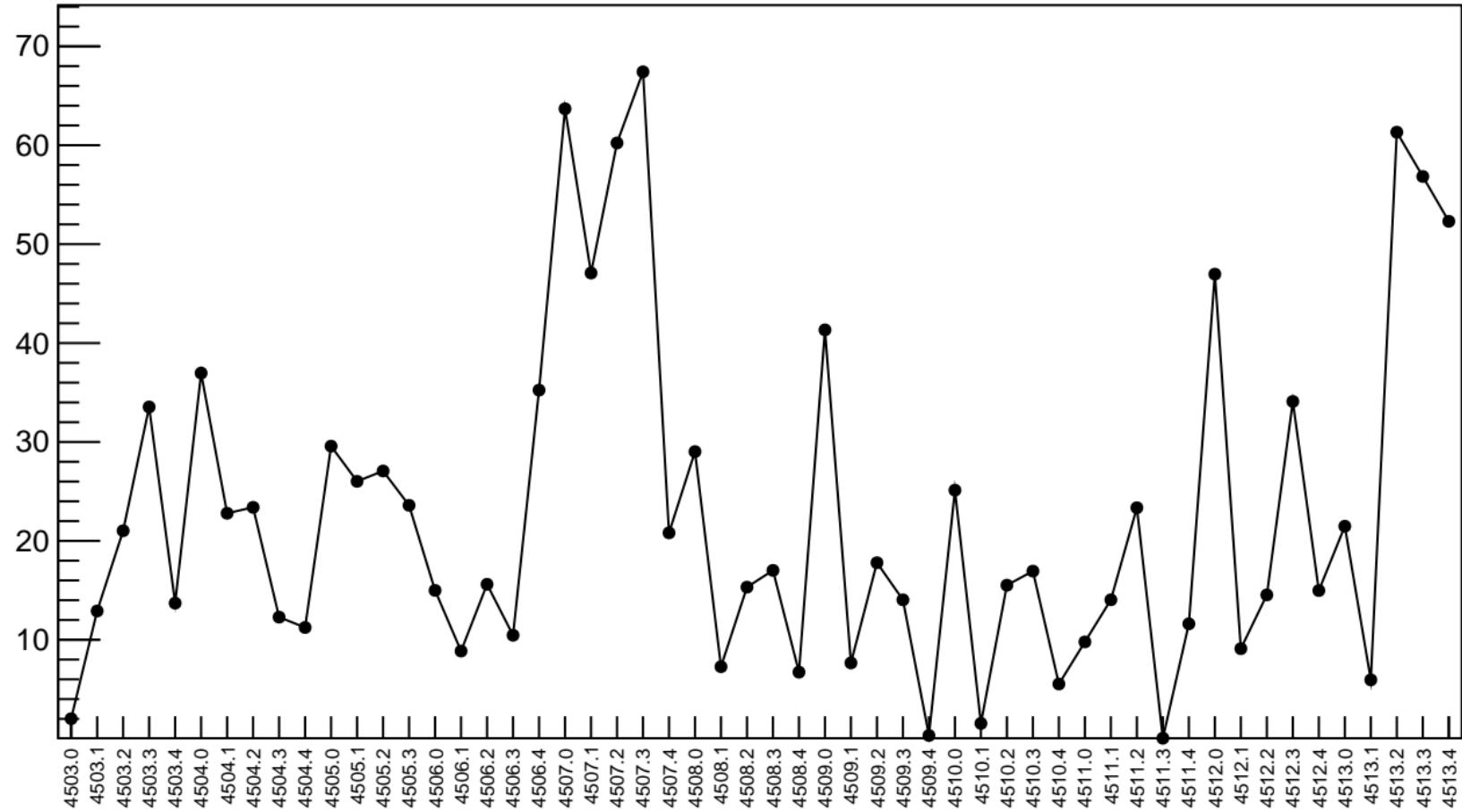


1D pull distribution



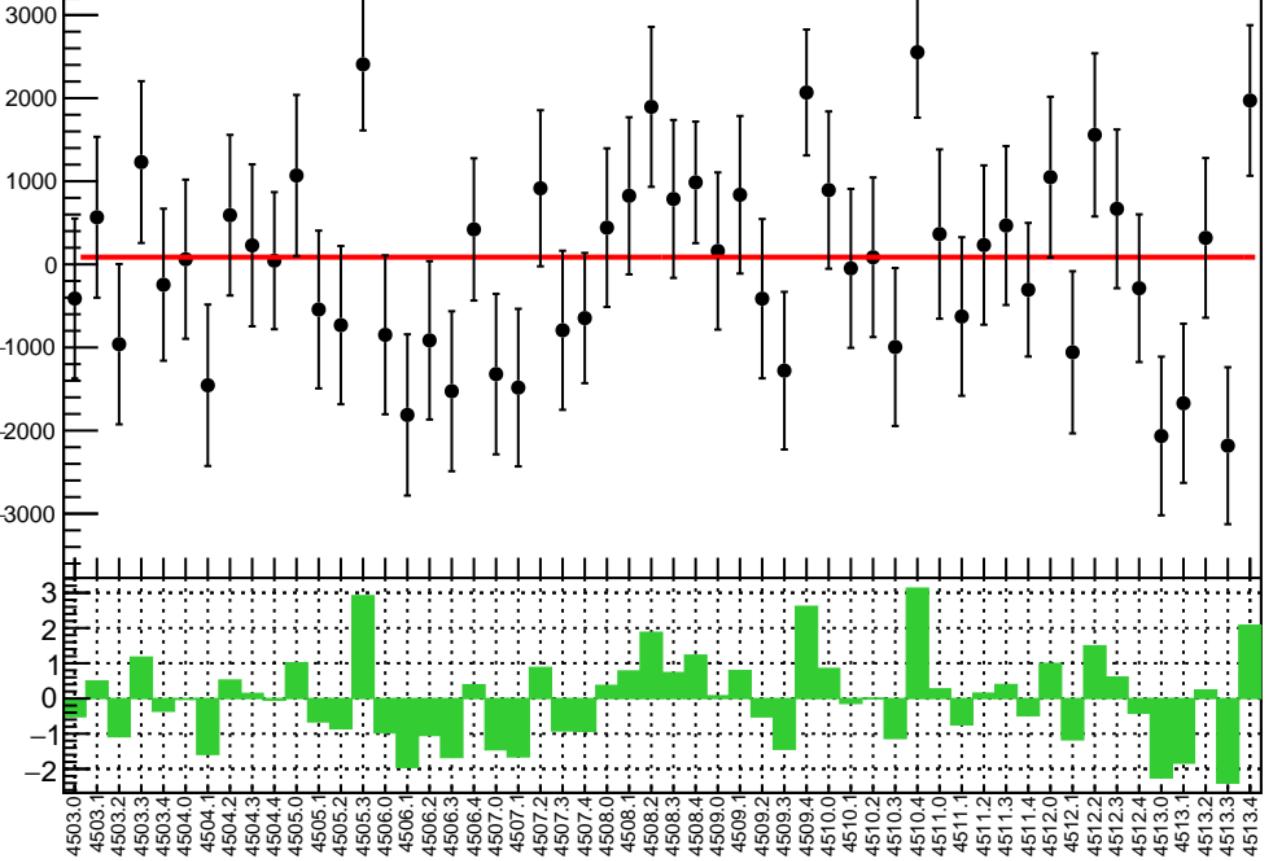
# corr\_usr\_bpm4aY RMS (ppm)

RMS (ppm)

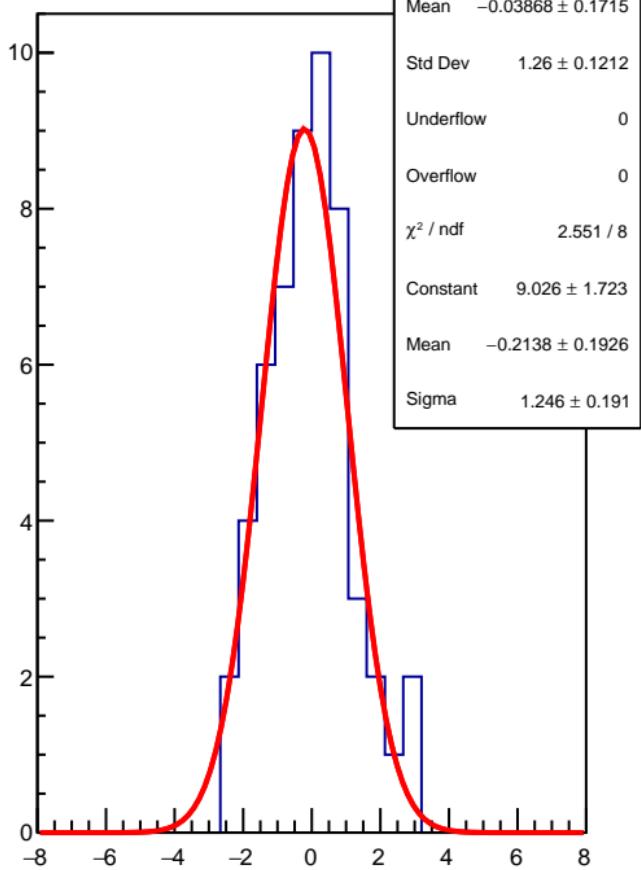


corr\_usr\_bpm1X (ppb)

$\chi^2 / \text{ndf}$  85.82 / 53  
 $p_0$   $86.88 \pm 125.8$

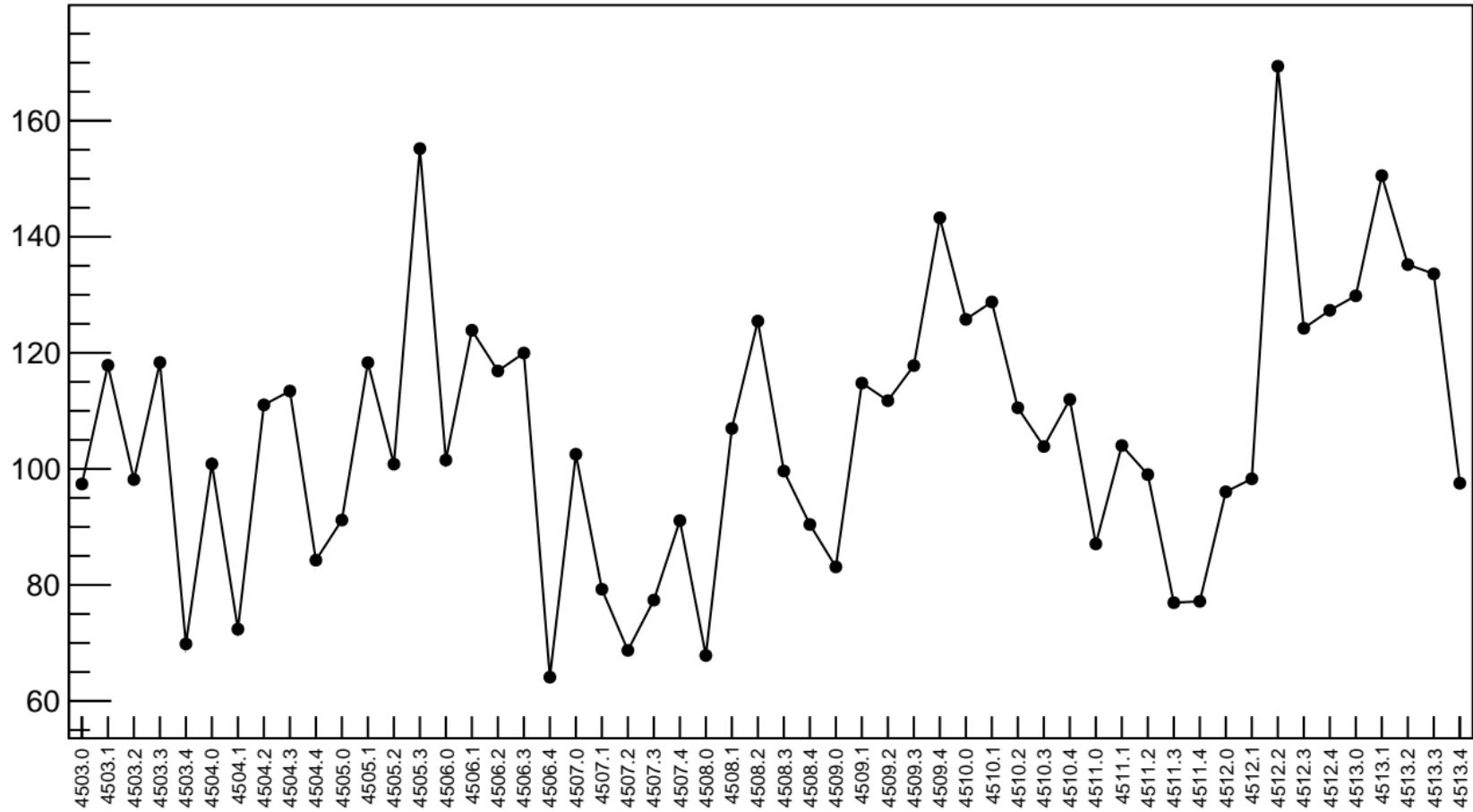


1D pull distribution

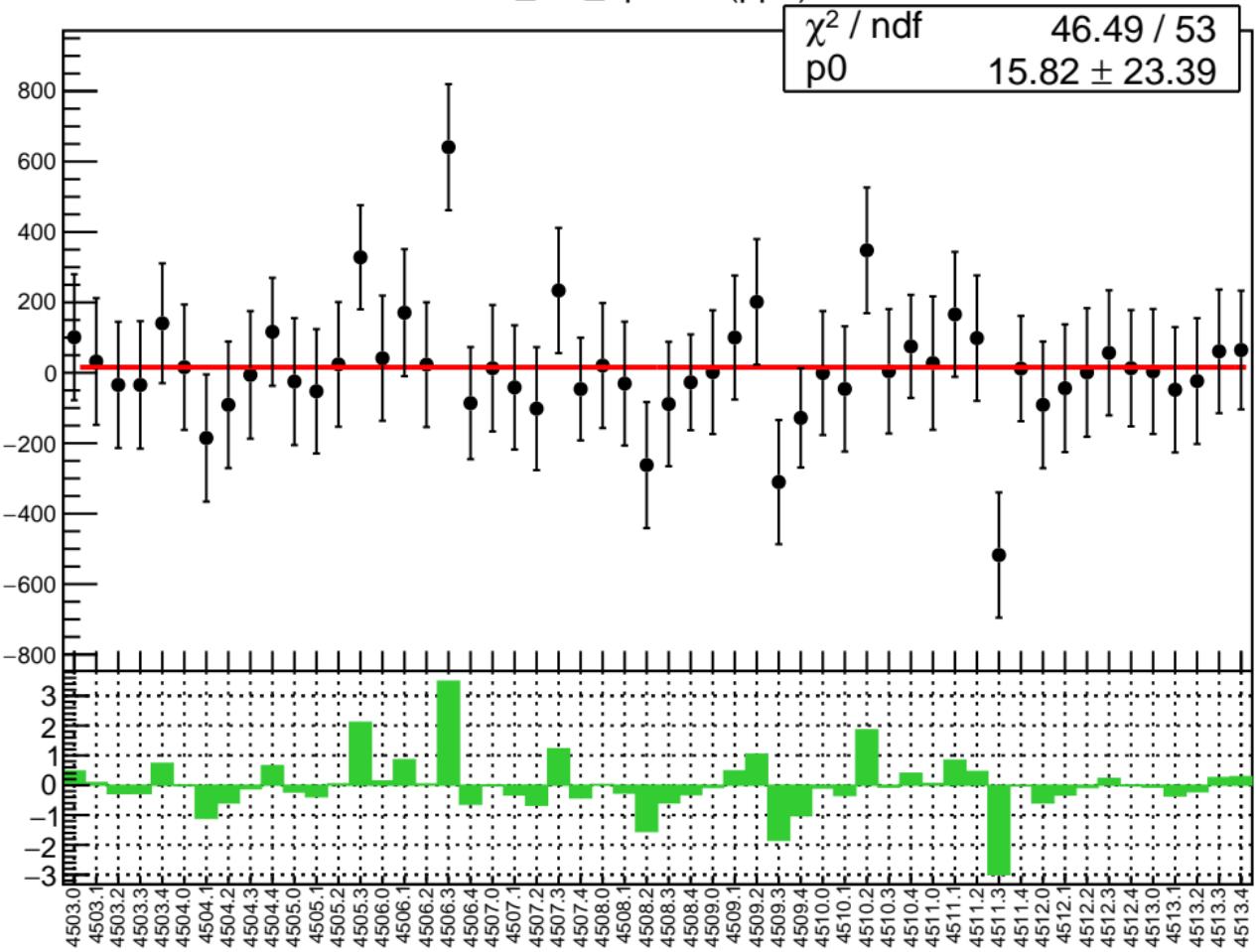


# corr\_usr\_bpm1X RMS (ppm)

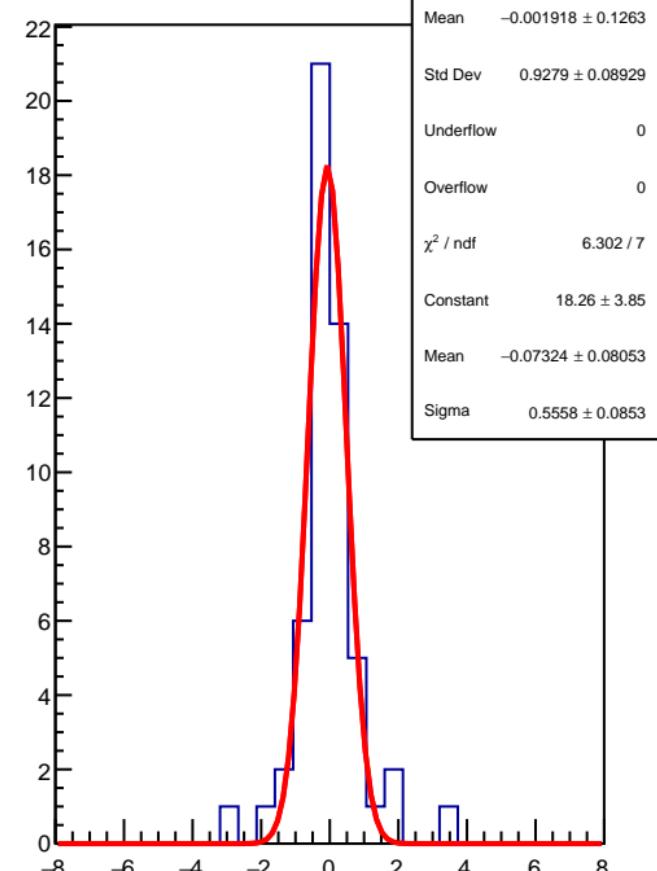
RMS (ppm)



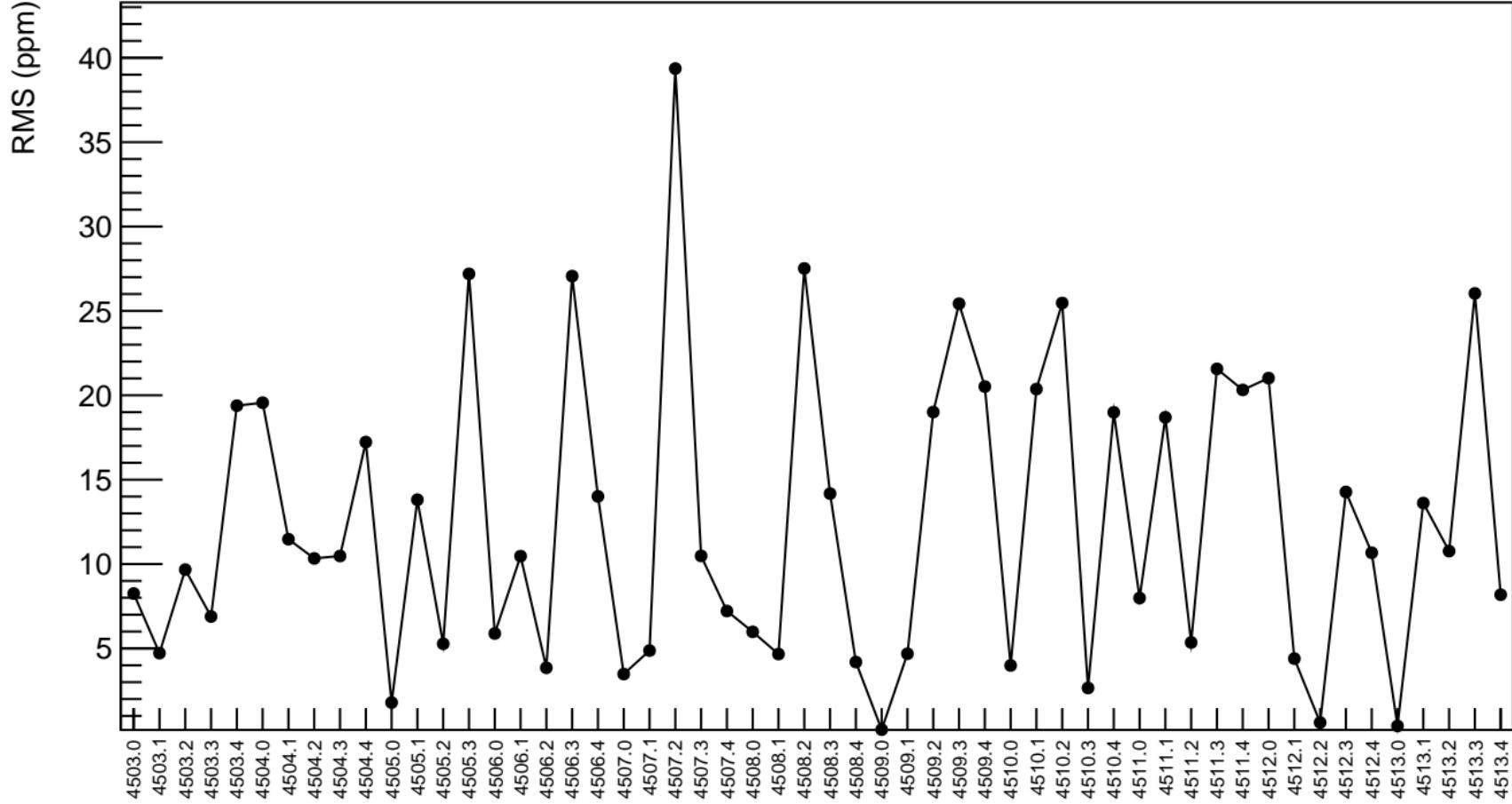
corr\_usr\_bpm1Y (ppb)



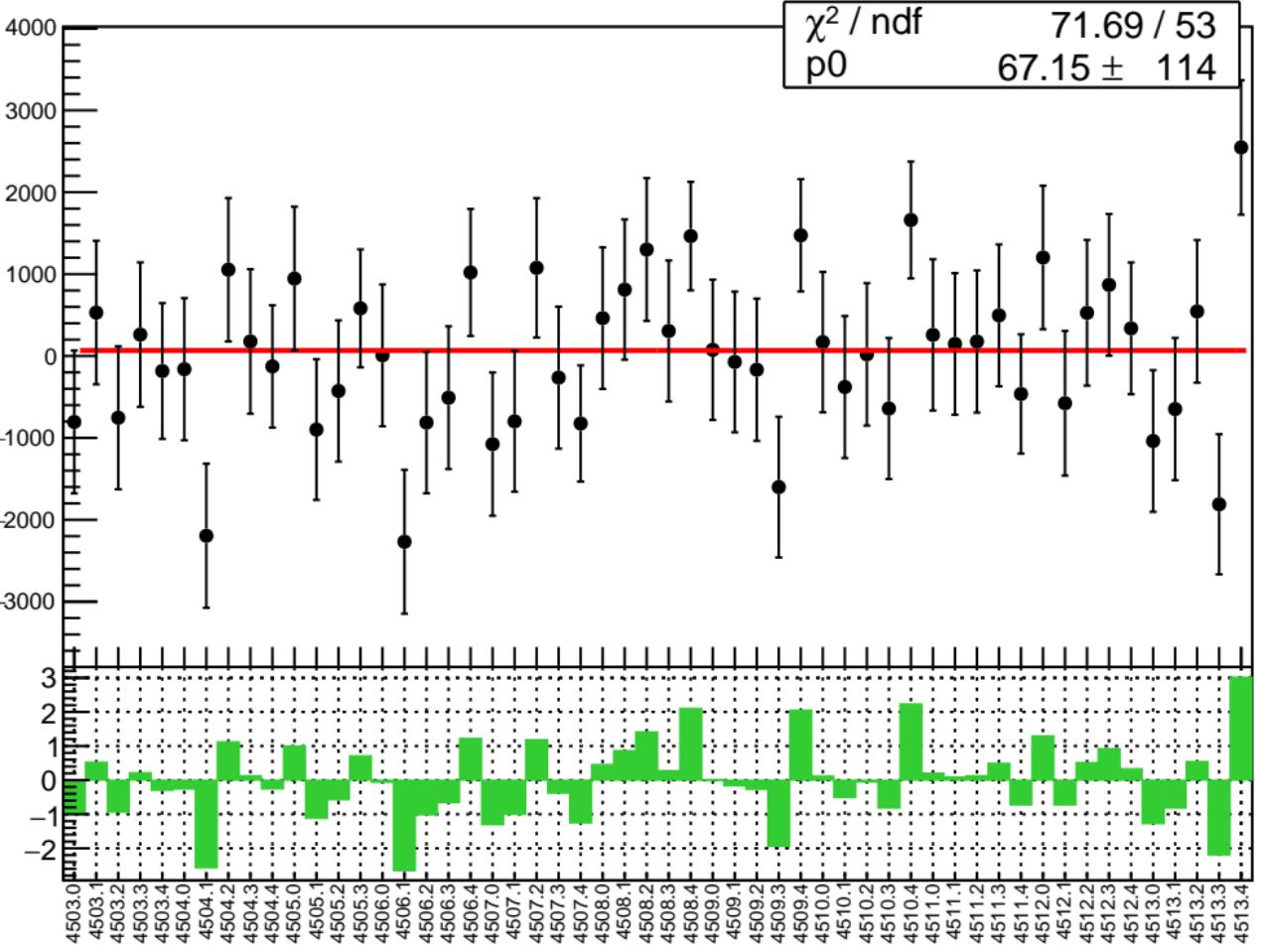
1D pull distribution



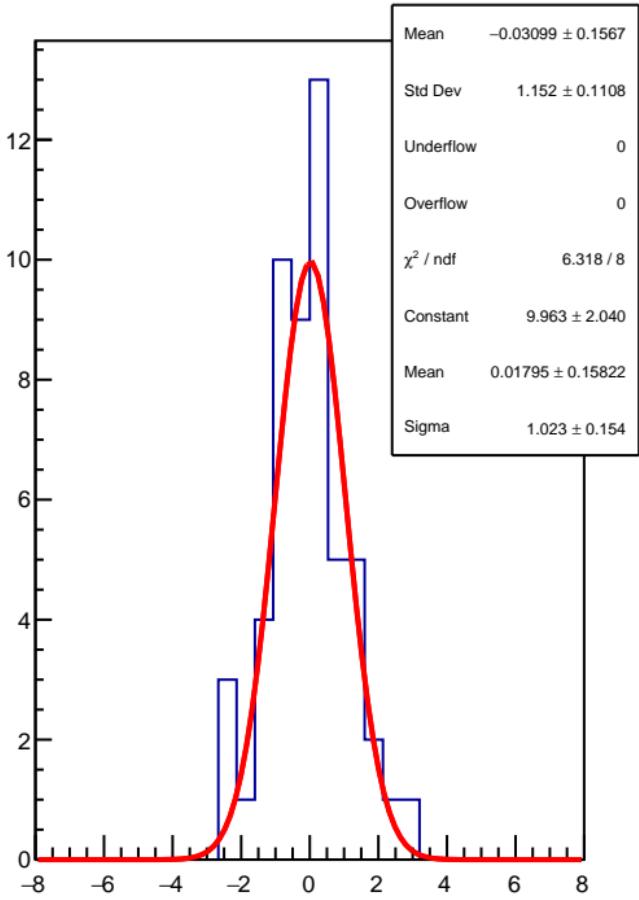
# corr\_usr\_bpm1Y RMS (ppm)



corr\_usr\_bpm16X (ppb)

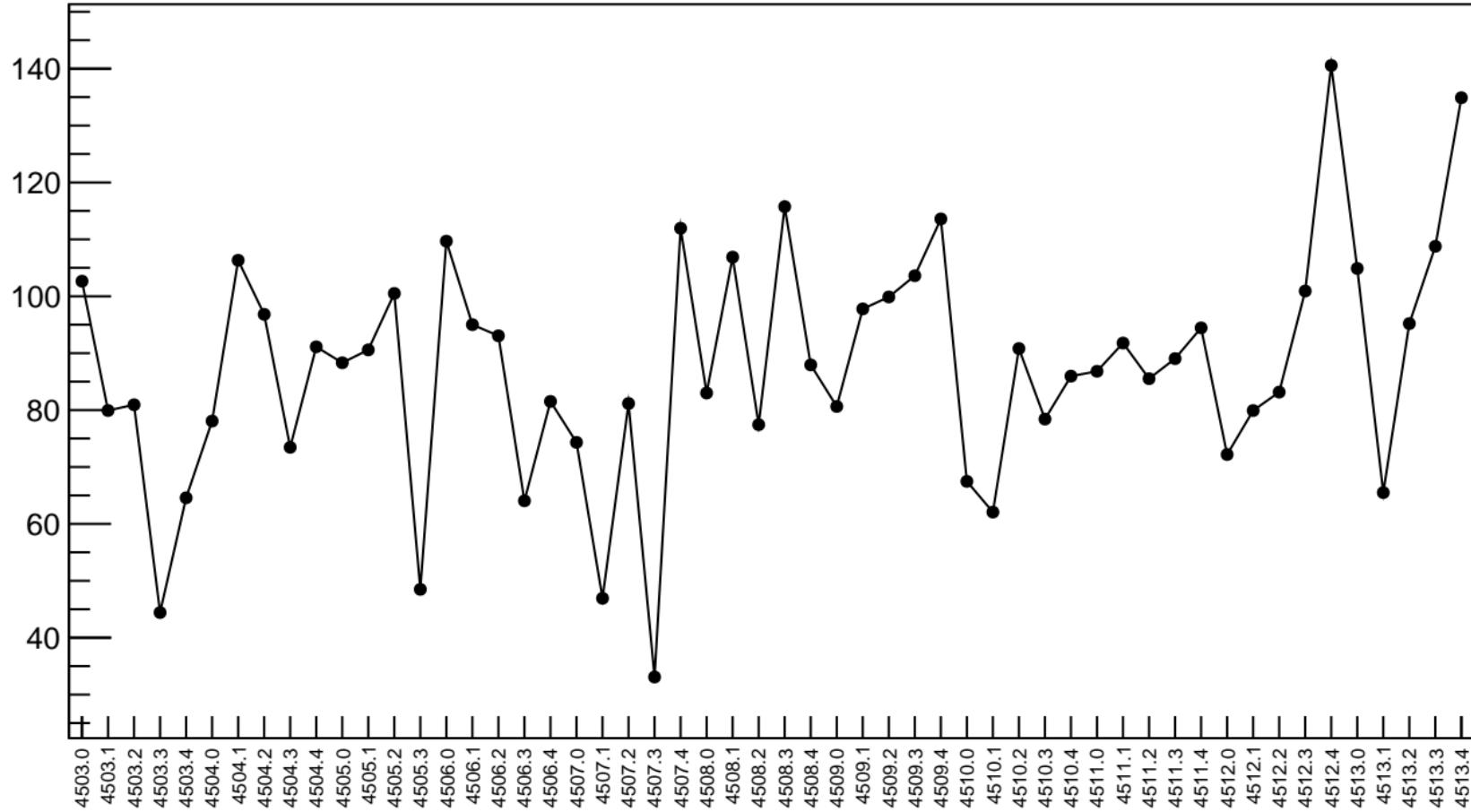


1D pull distribution

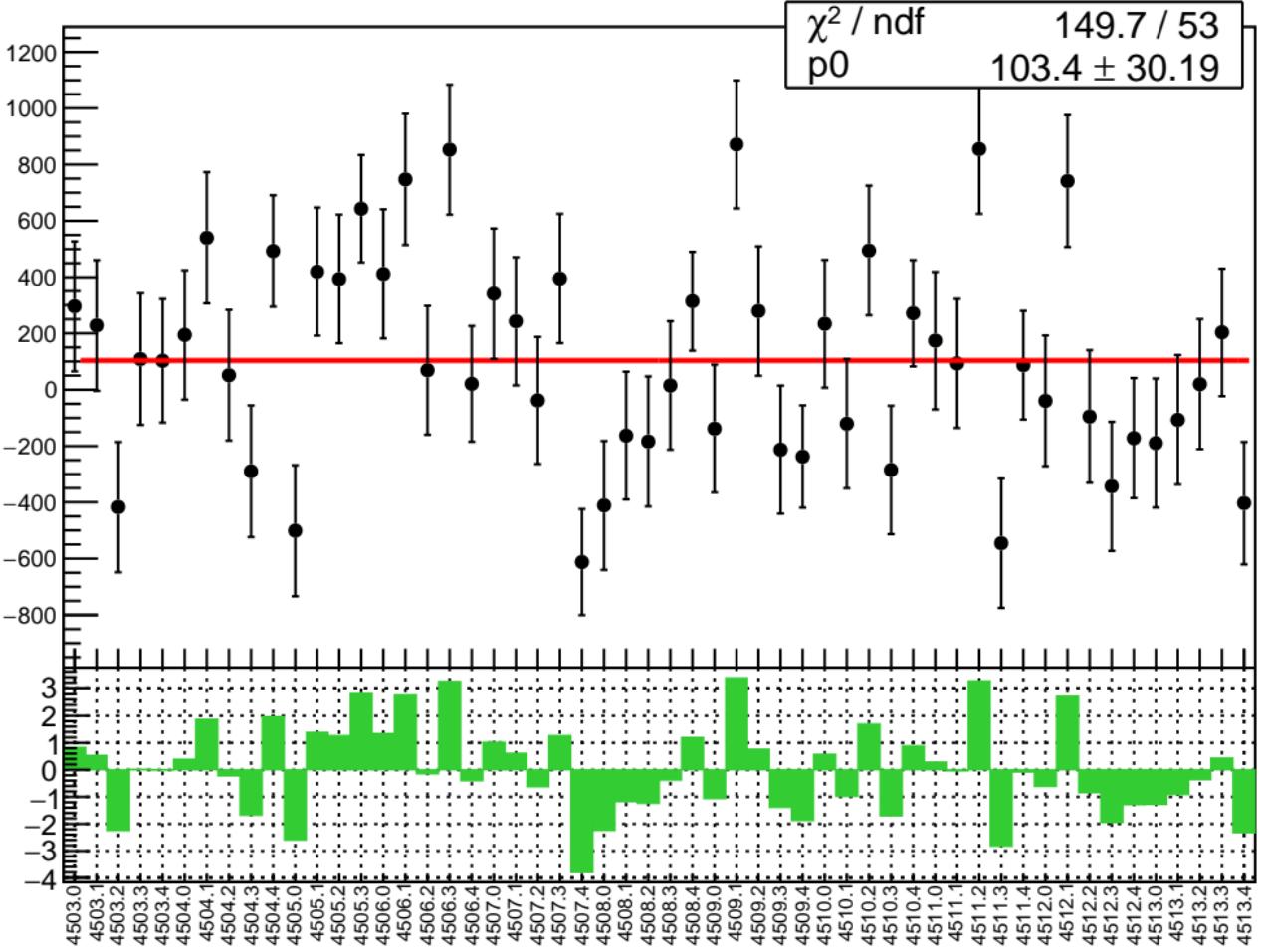


# corr\_usr\_bpm16X RMS (ppm)

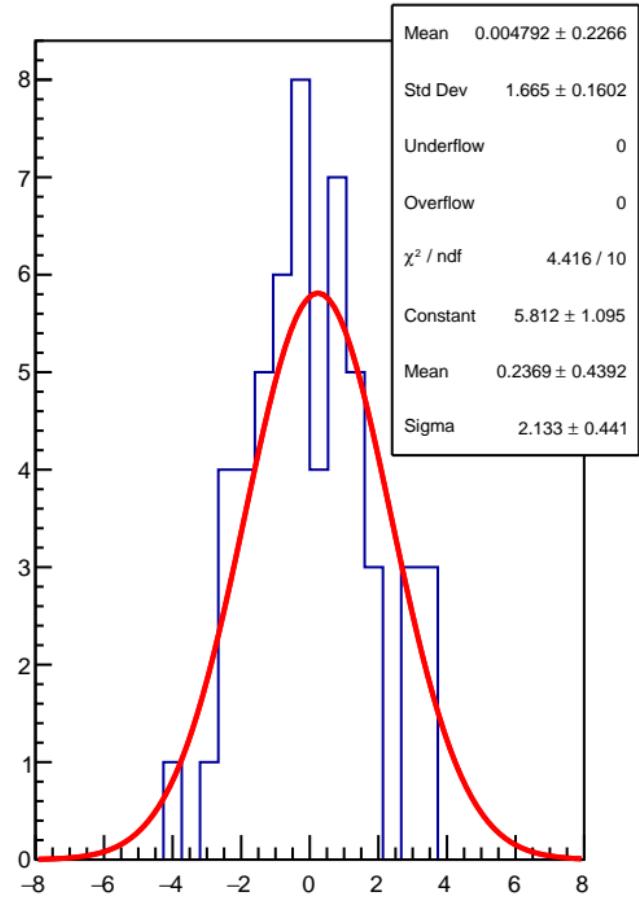
RMS (ppm)



corr\_usr\_bpm16Y (ppb)

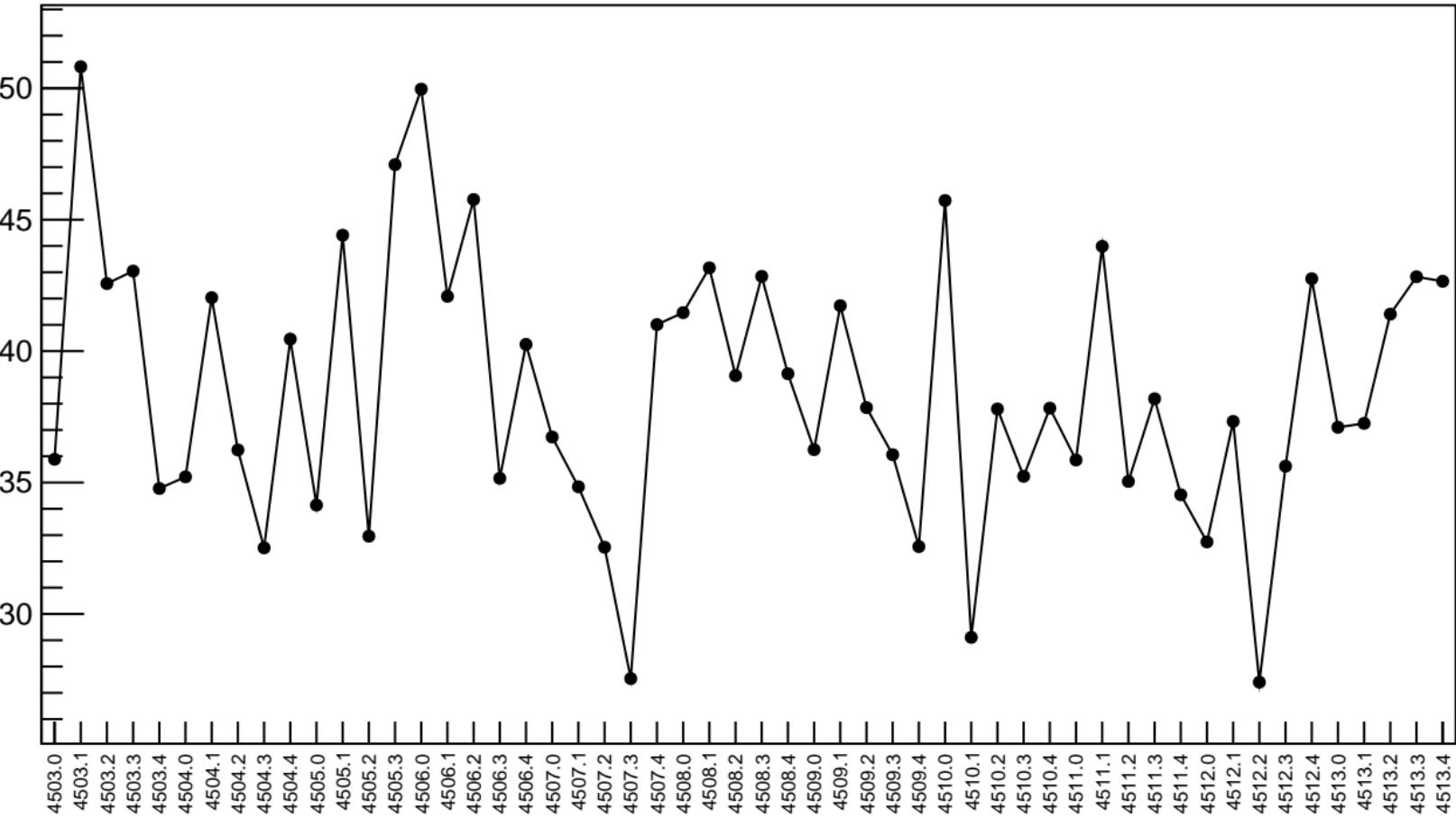


1D pull distribution



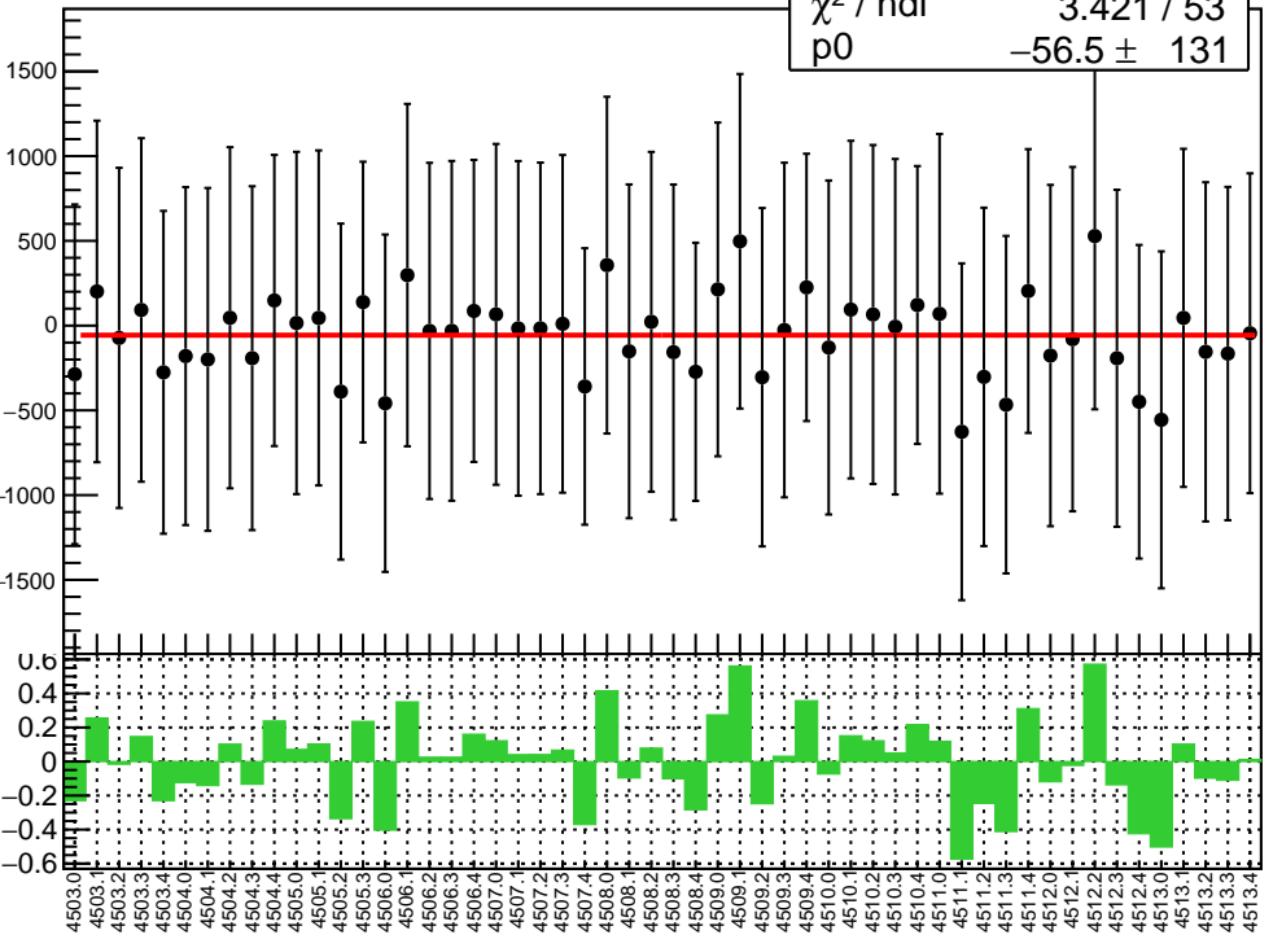
# corr\_usr\_bpm16Y RMS (ppm)

RMS (ppm)

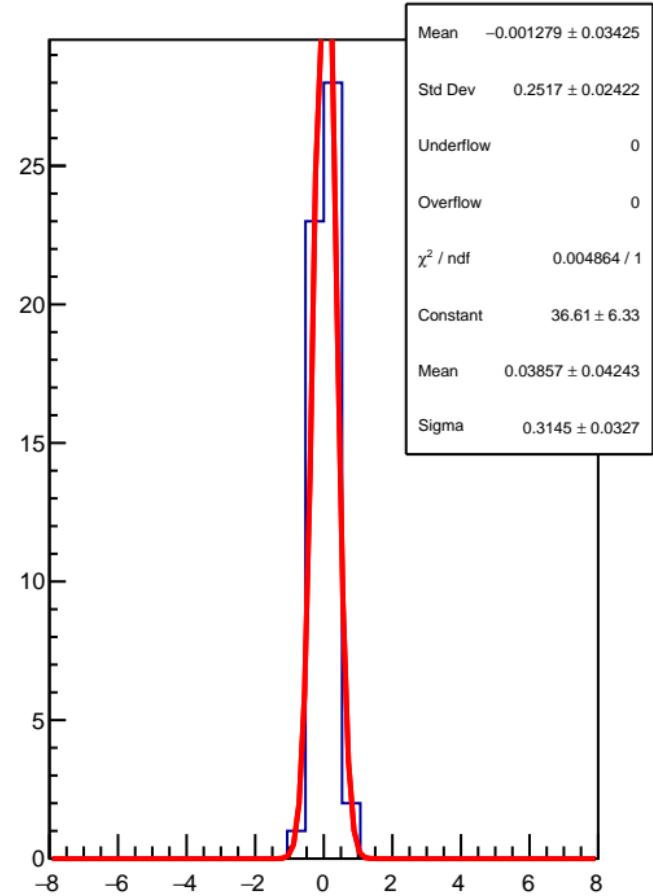


corr\_usr\_bpm12X (ppb)

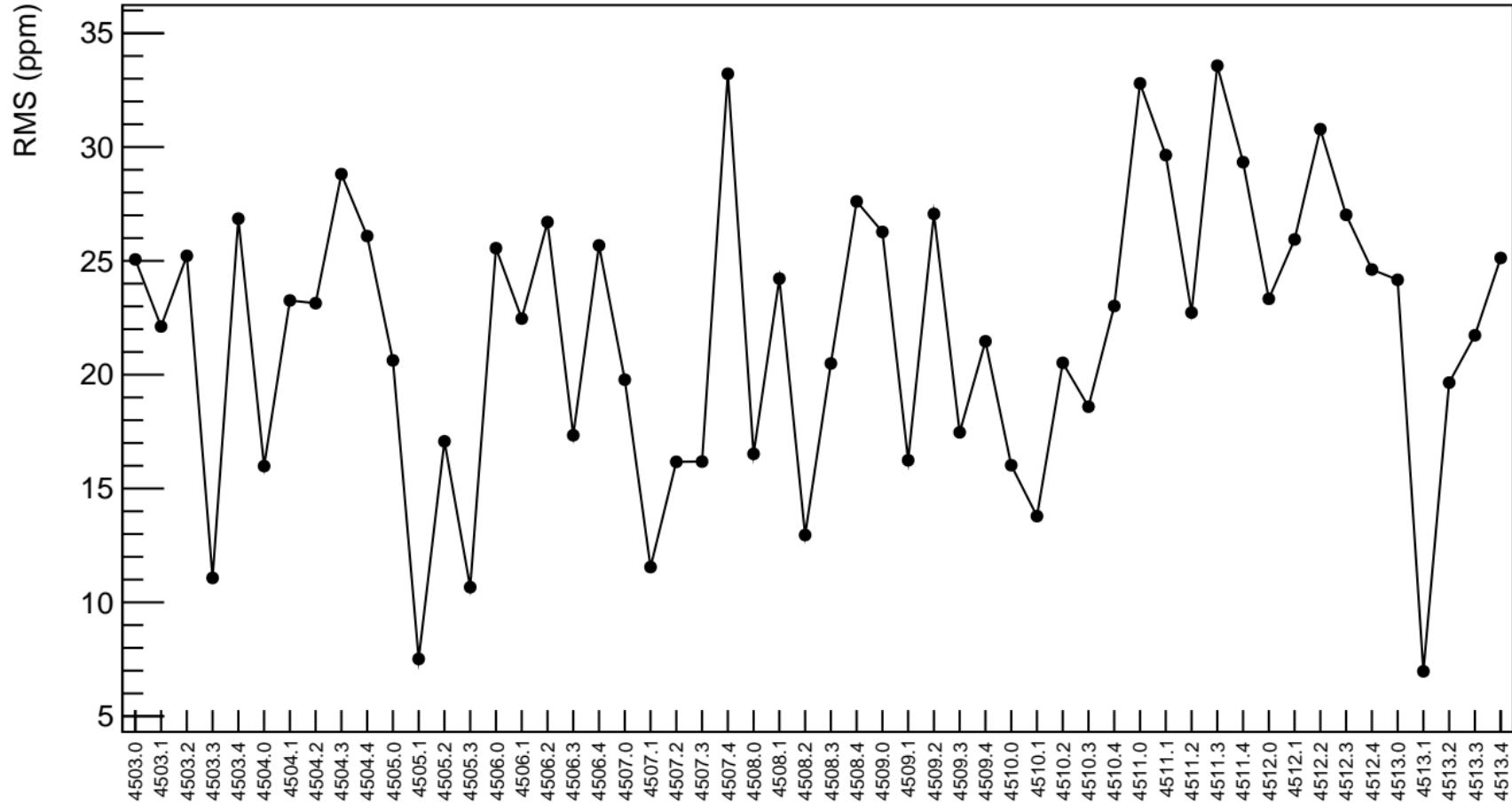
$\chi^2 / \text{ndf}$   
3.421 / 53  
 $p_0$   
 $-56.5 \pm 131$



1D pull distribution

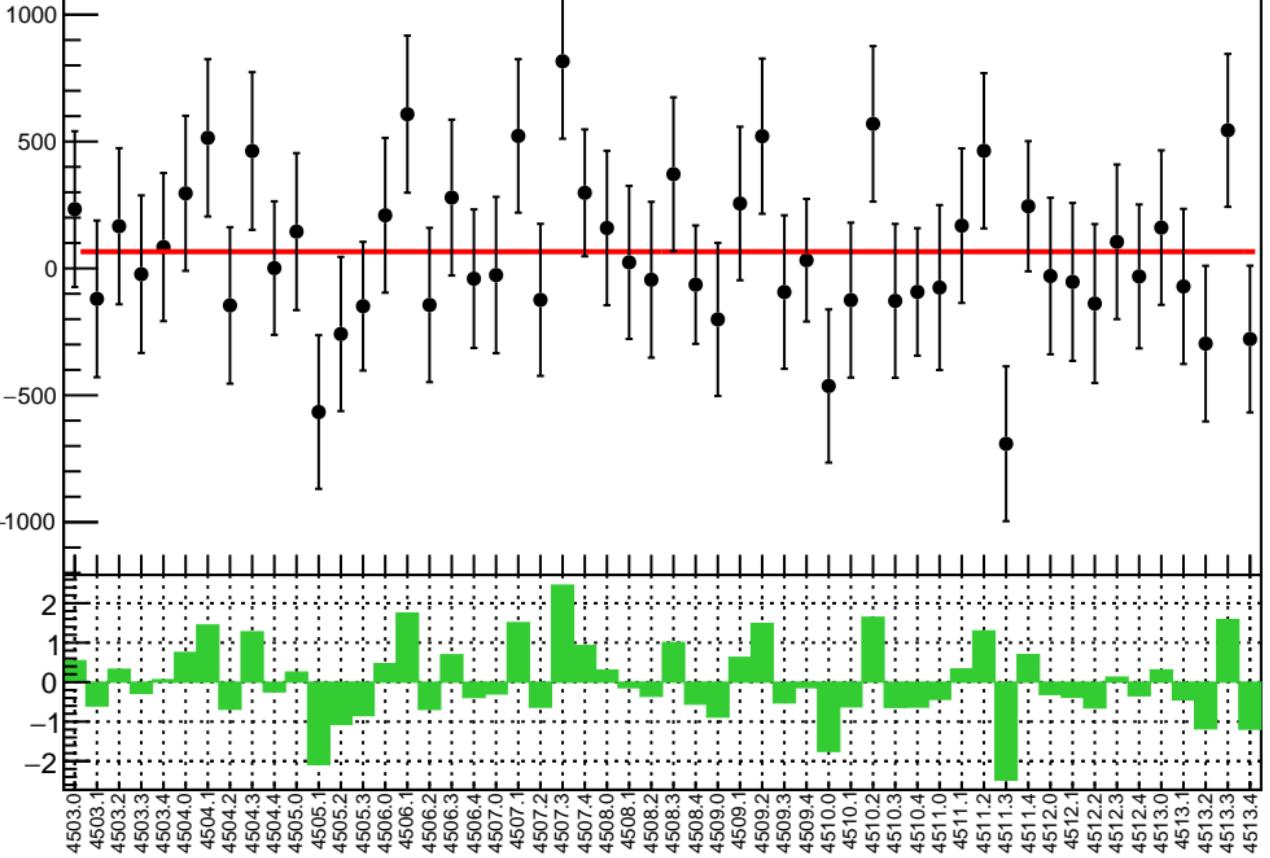


# corr\_usr\_bpm12X RMS (ppm)

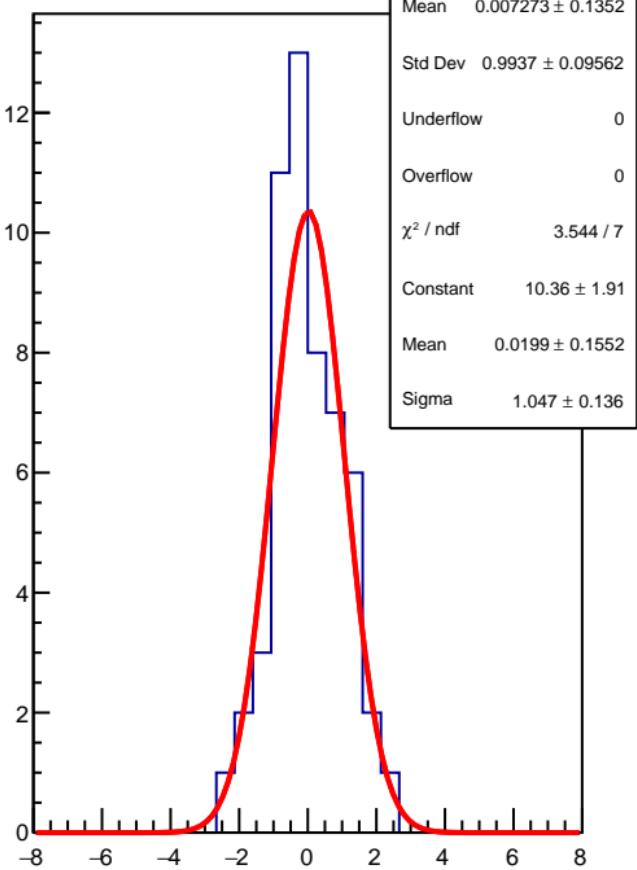


corr\_usr\_bpm12Y (ppb)

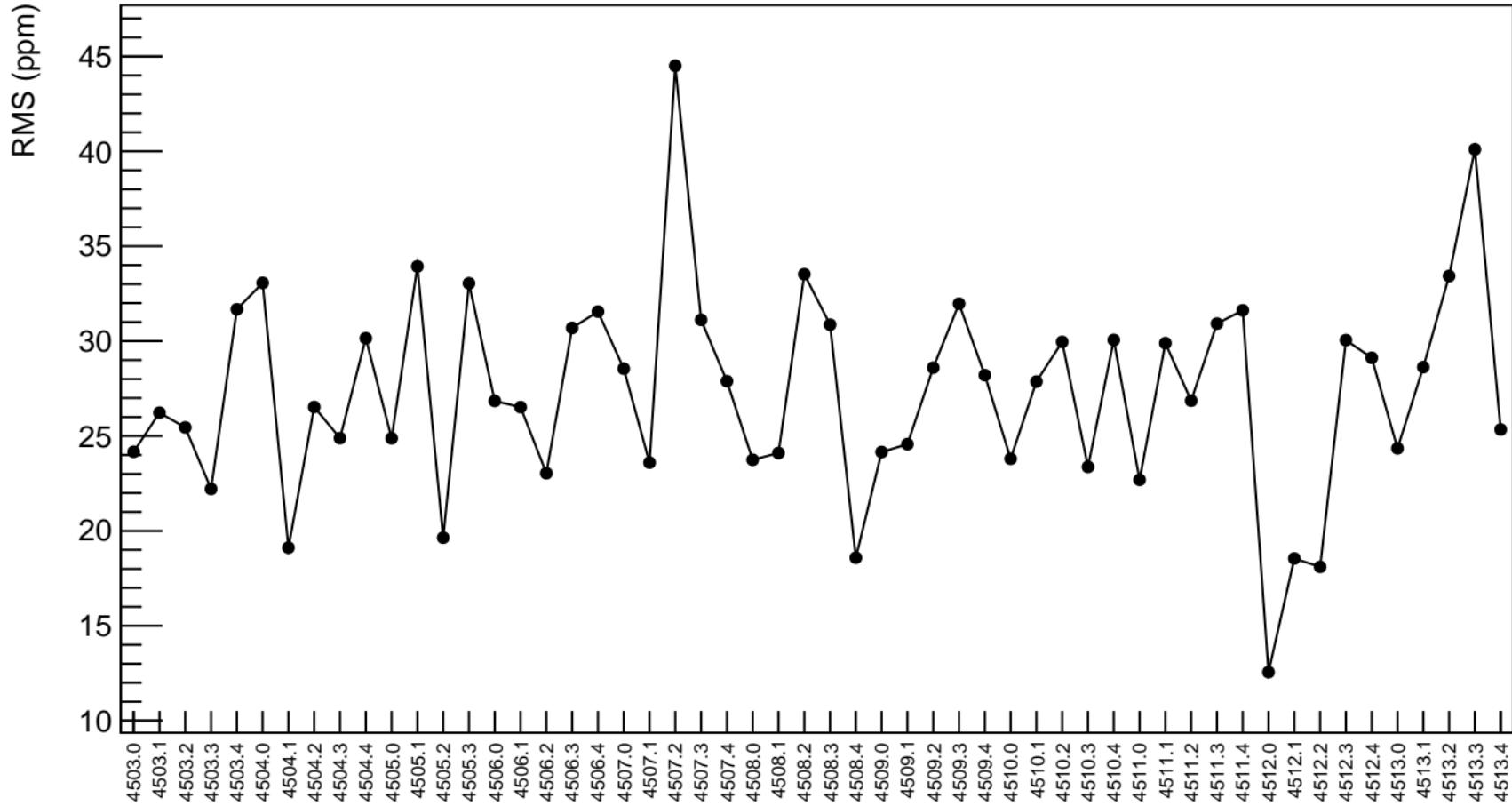
$\chi^2 / \text{ndf}$  53.32 / 53  
p0  $65.84 \pm 40.13$



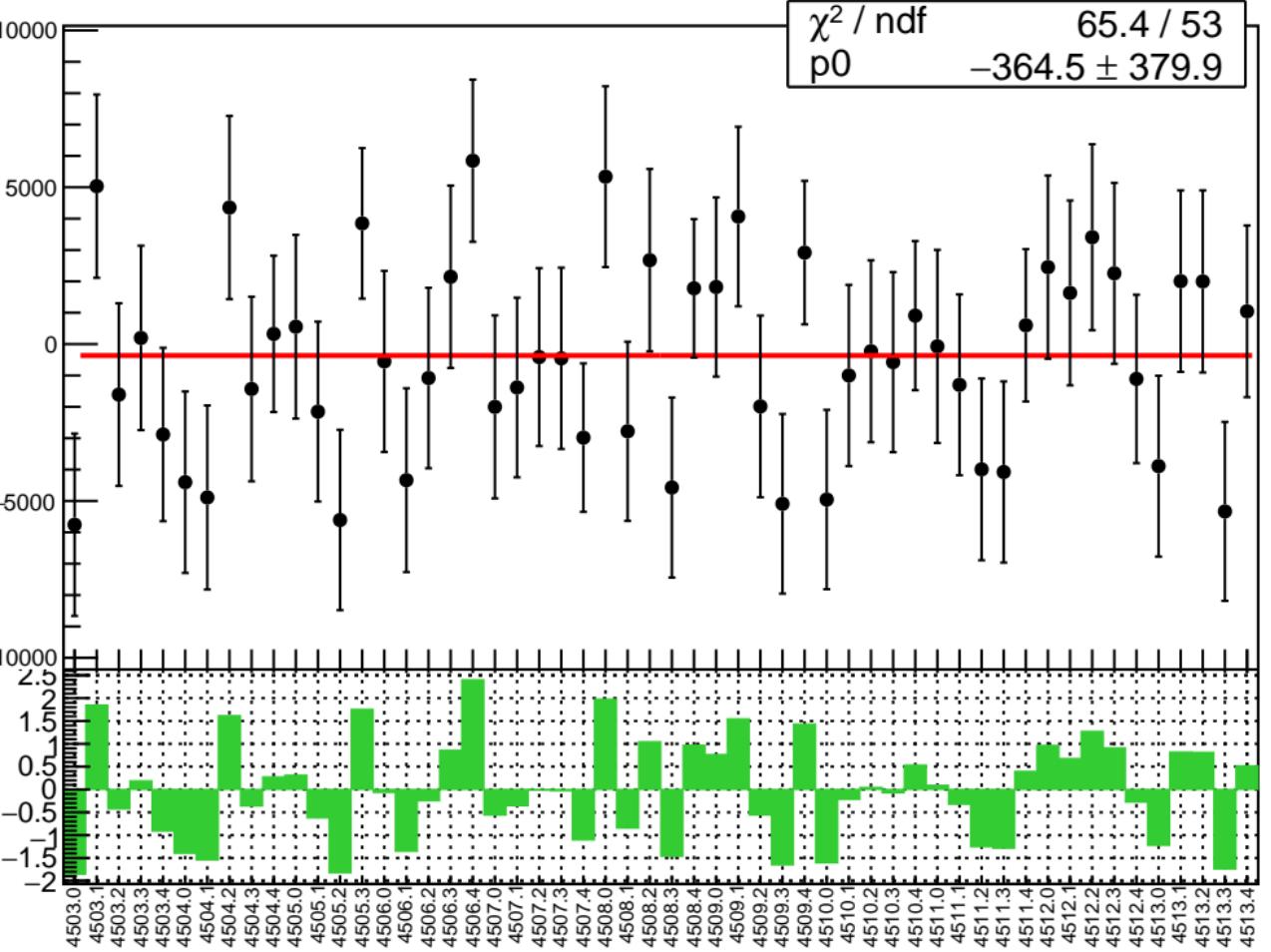
1D pull distribution



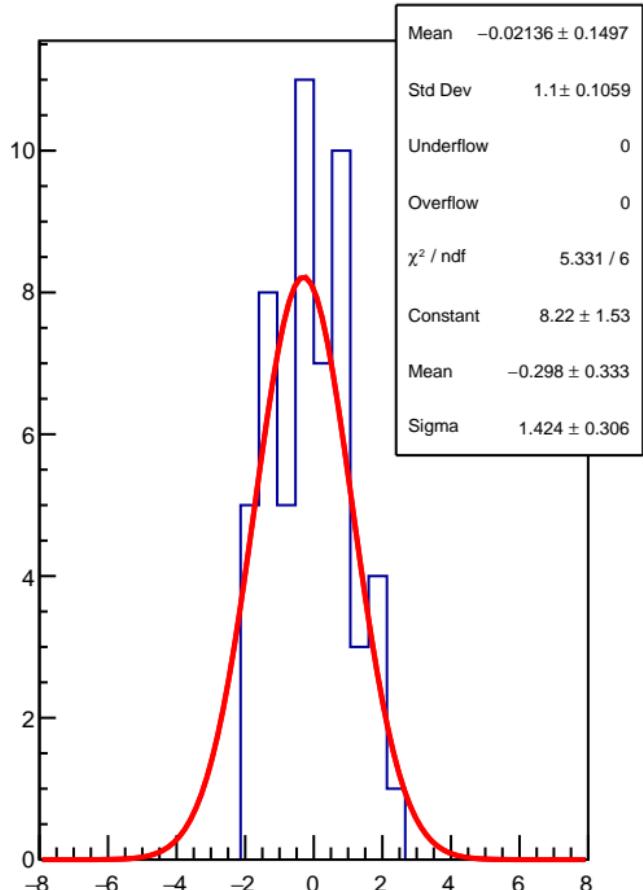
# corr\_usr\_bpm12Y RMS (ppm)



corr\_usr\_bpm11X (ppb)

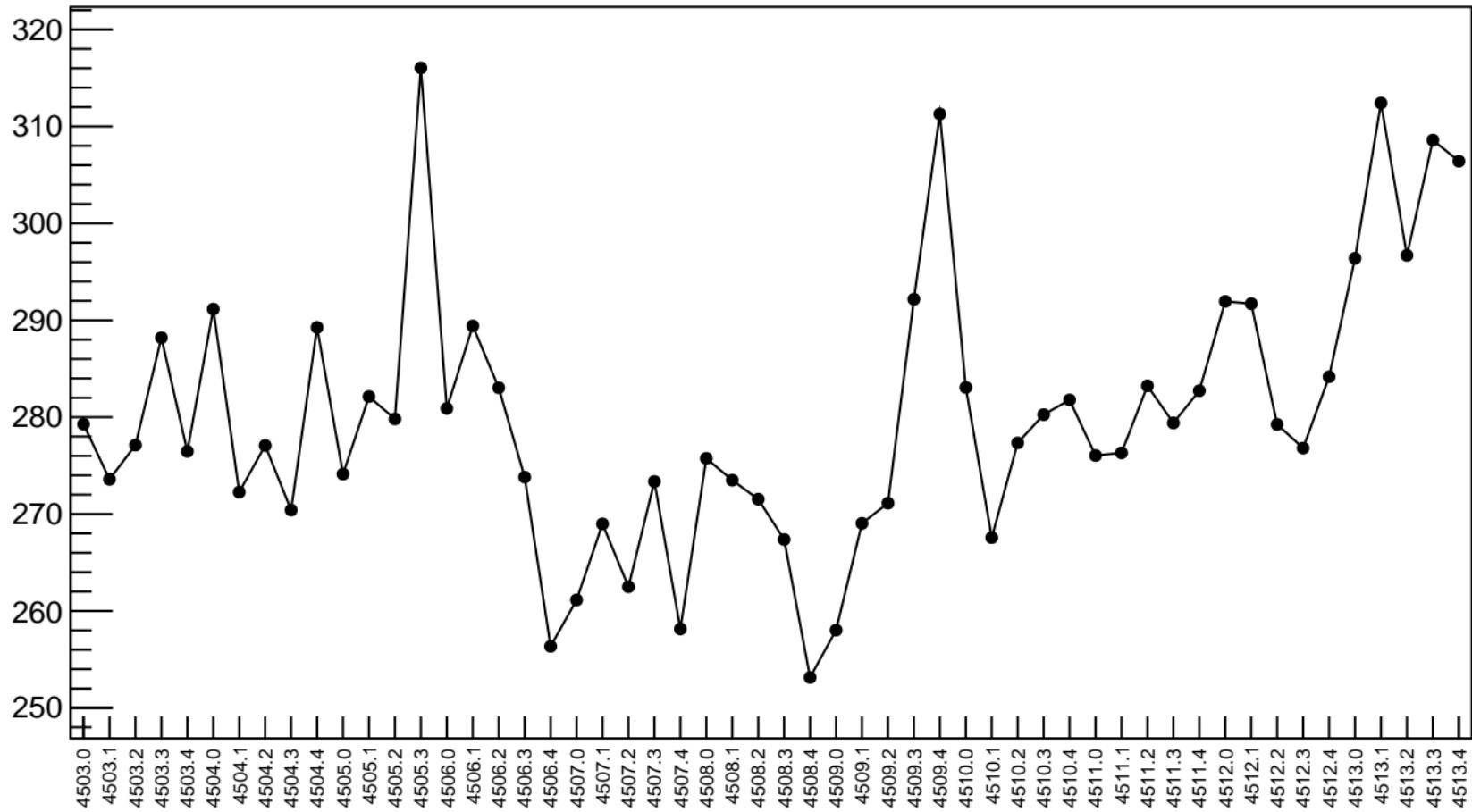


1D pull distribution



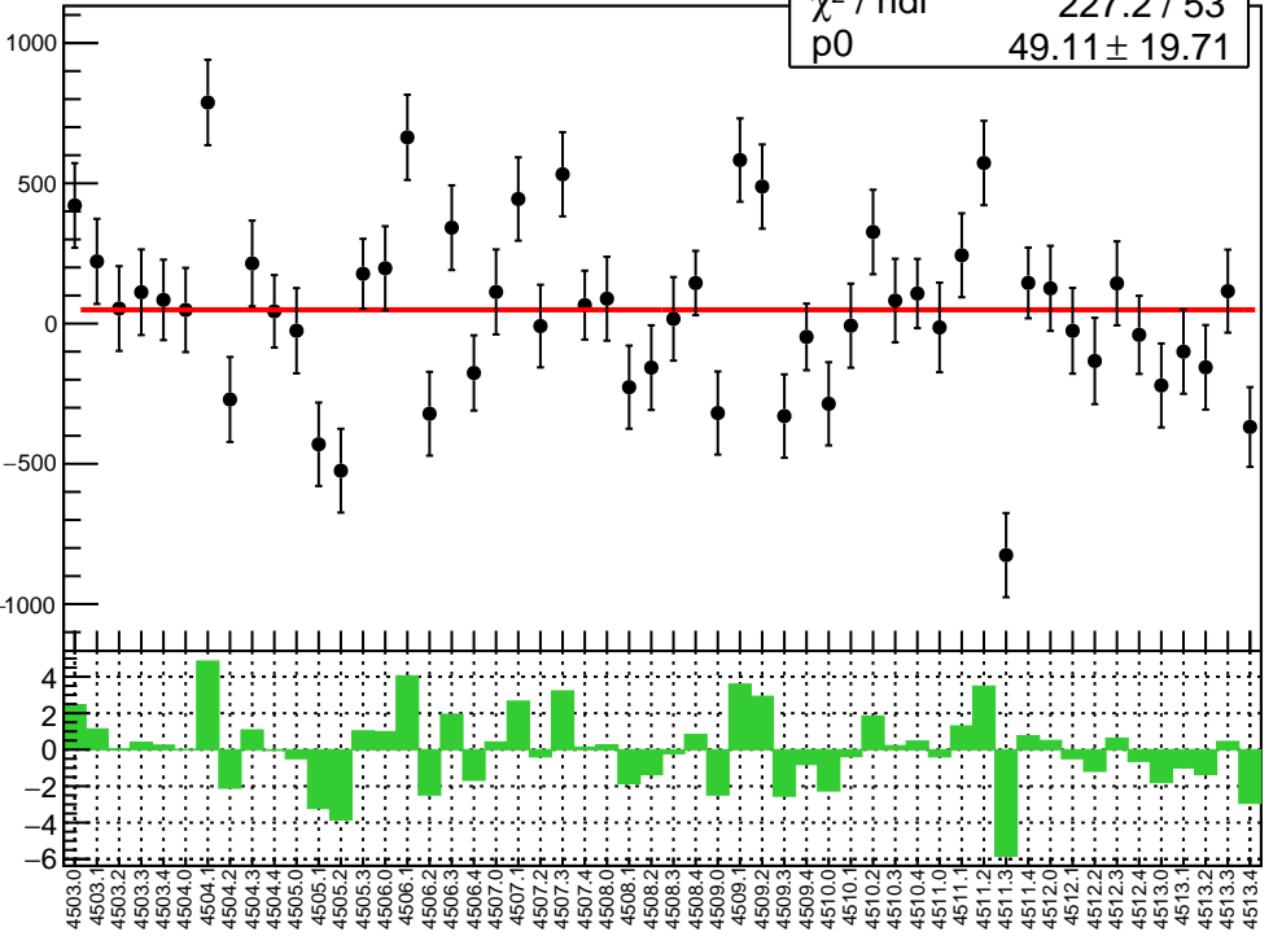
# corr\_usr\_bpm11X RMS (ppm)

RMS (ppm)

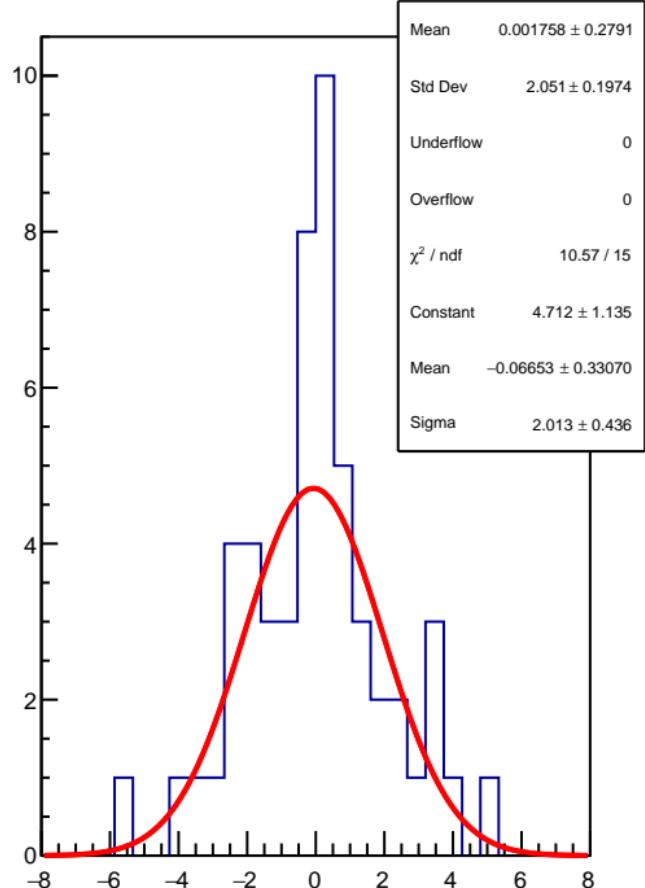


corr\_usr\_bpm11Y (ppb)

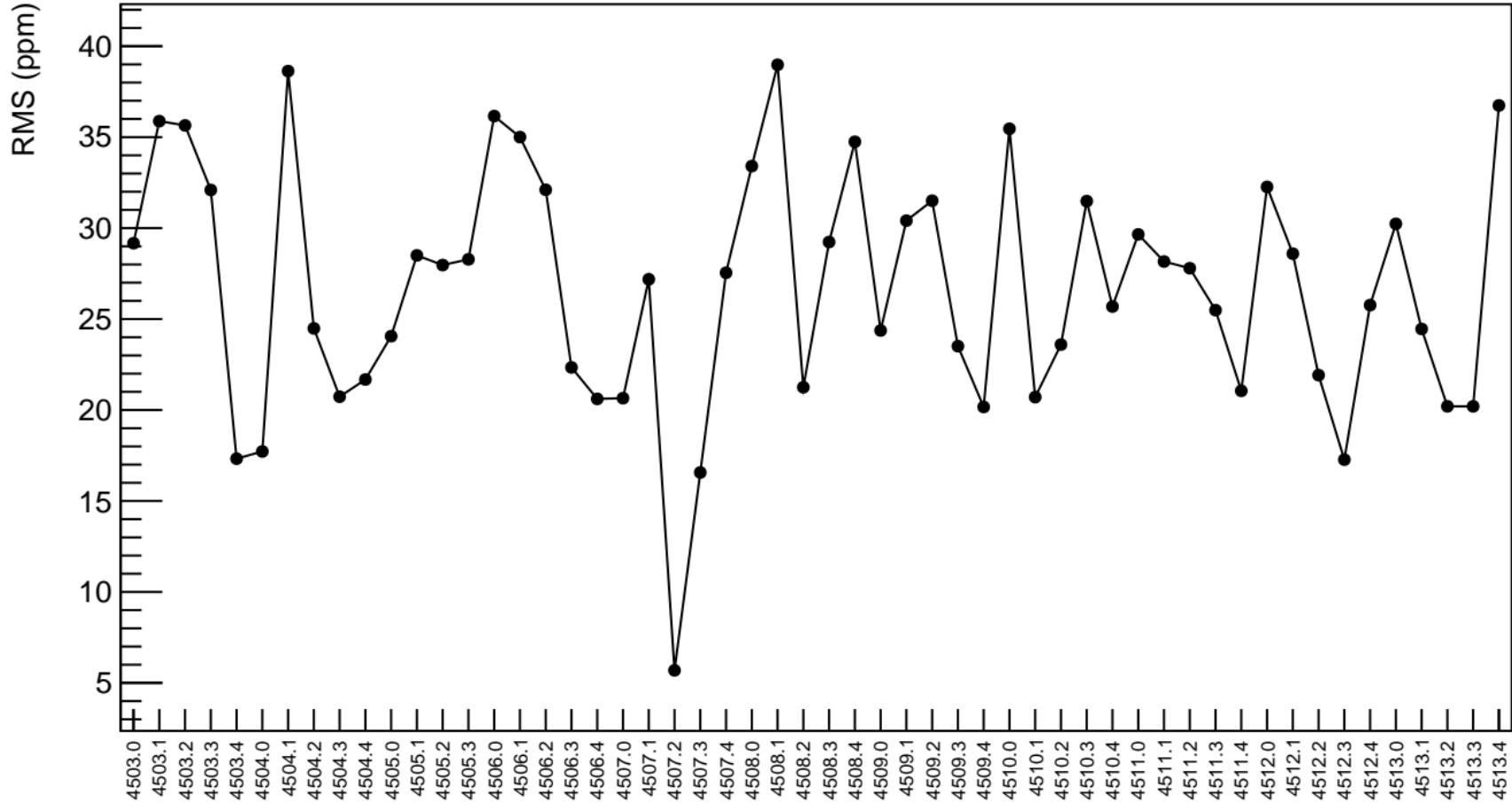
$\chi^2 / \text{ndf}$  227.2 / 53  
p0  $49.11 \pm 19.71$



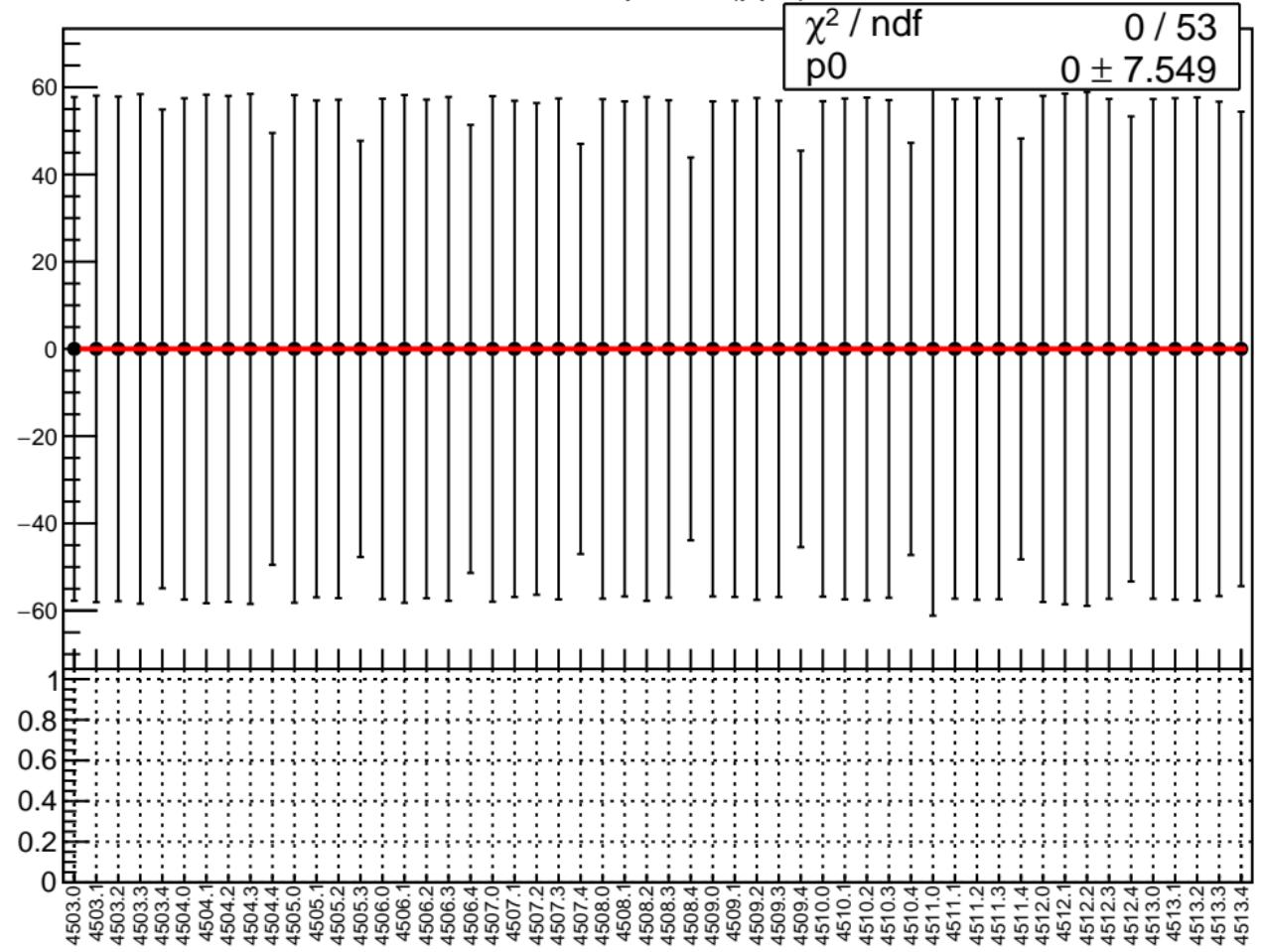
1D pull distribution



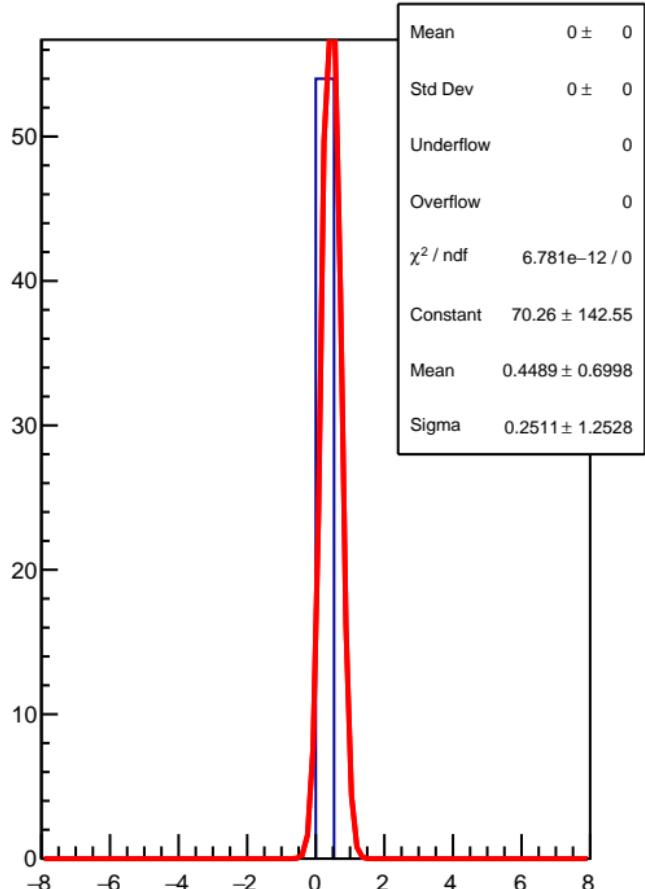
# corr\_usr\_bpm11Y RMS (ppm)



corr\_usr\_bpm8X (ppb)

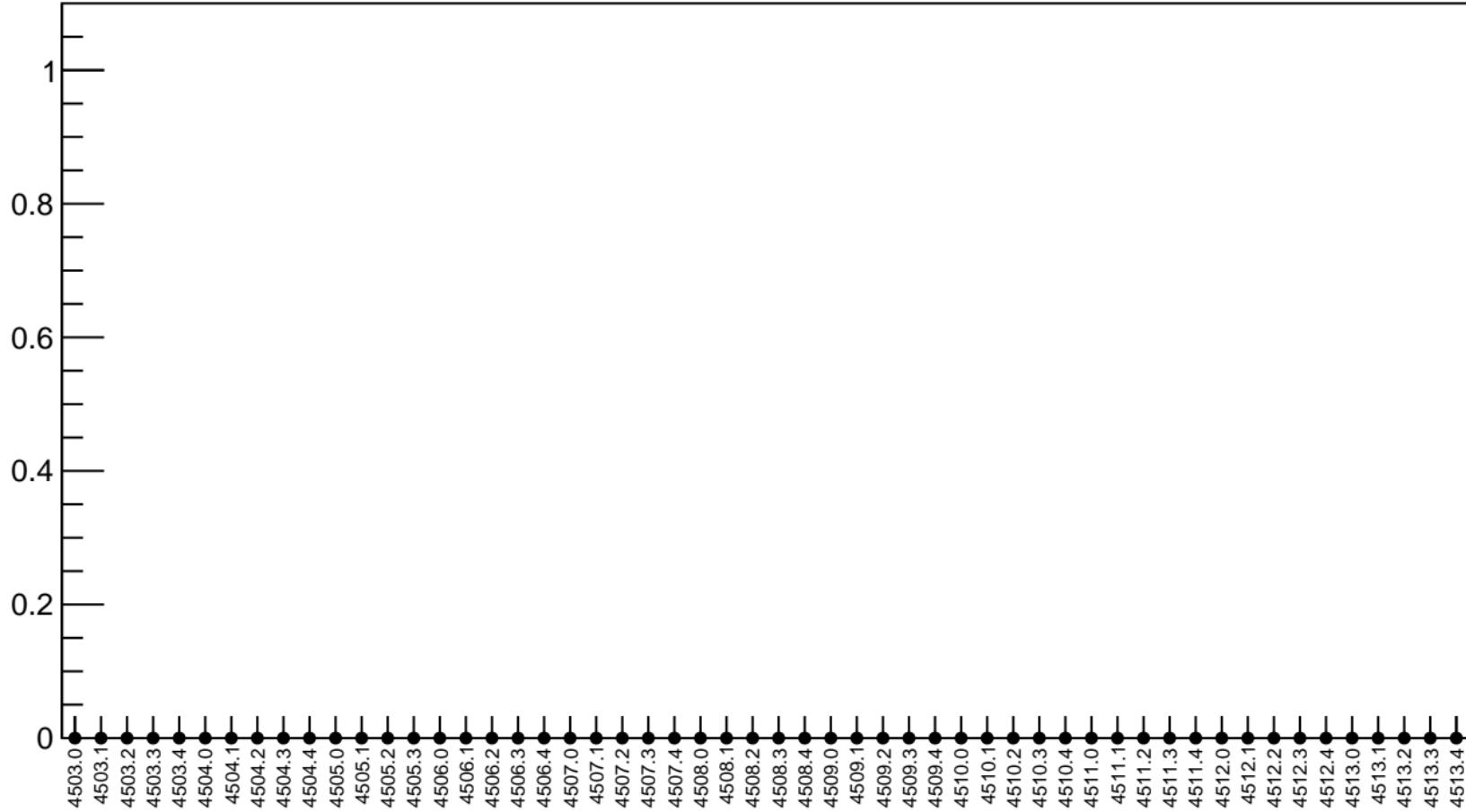


1D pull distribution

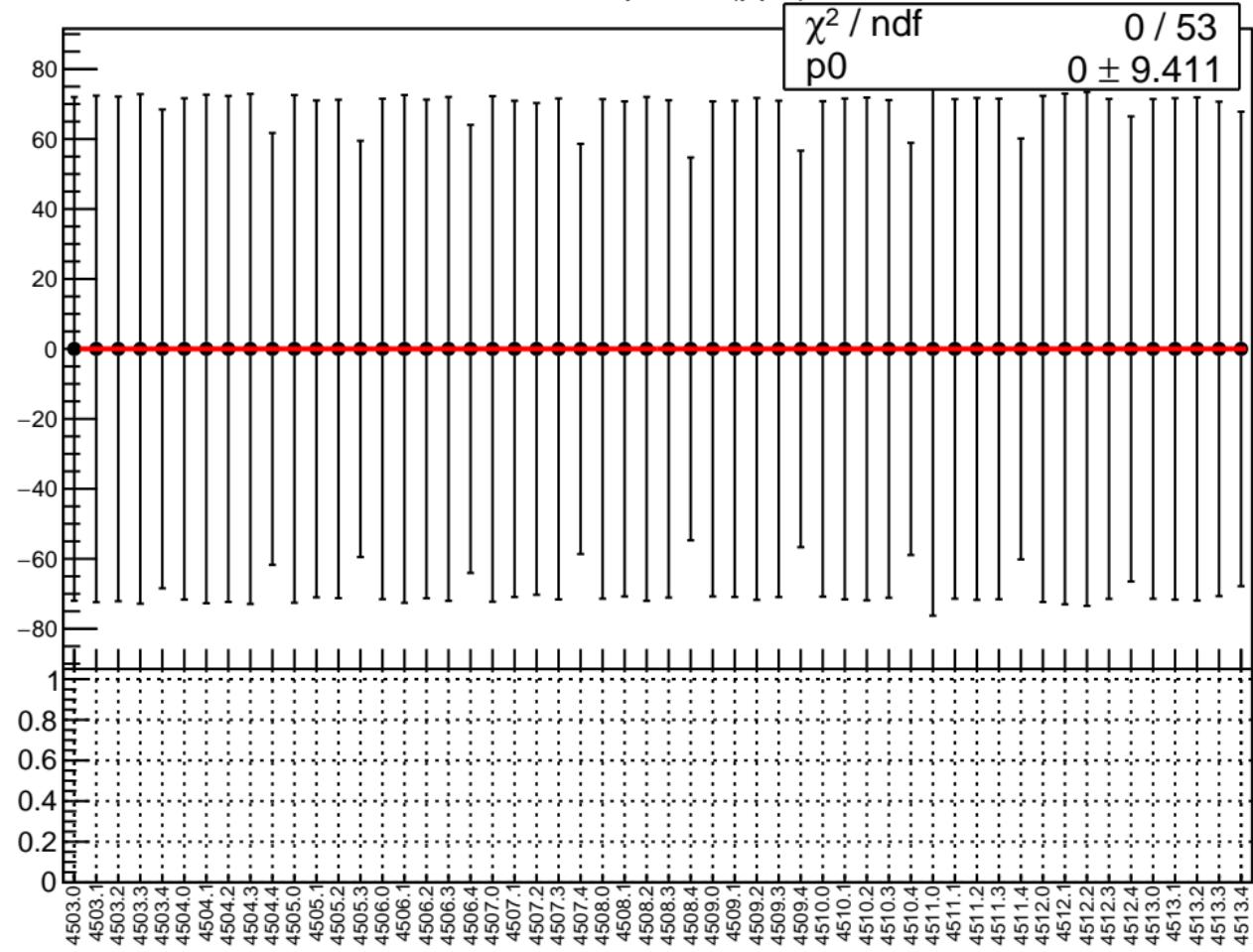


# corr\_usr\_bpm8X RMS (ppm)

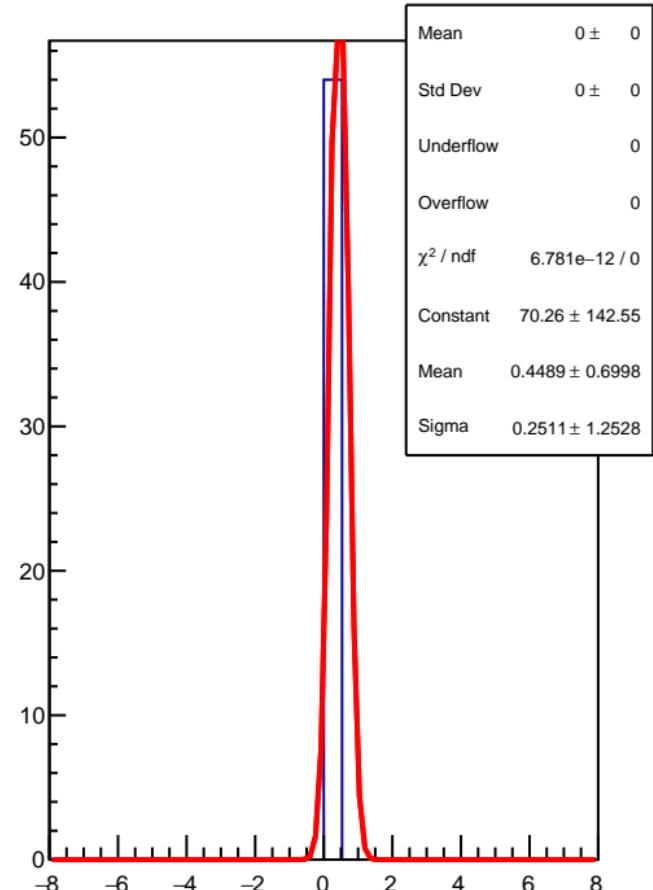
RMS (ppm)



corr\_usr\_bpm8Y (ppb)



1D pull distribution



# corr\_usr\_bpm8Y RMS (ppm)

RMS (ppm)

