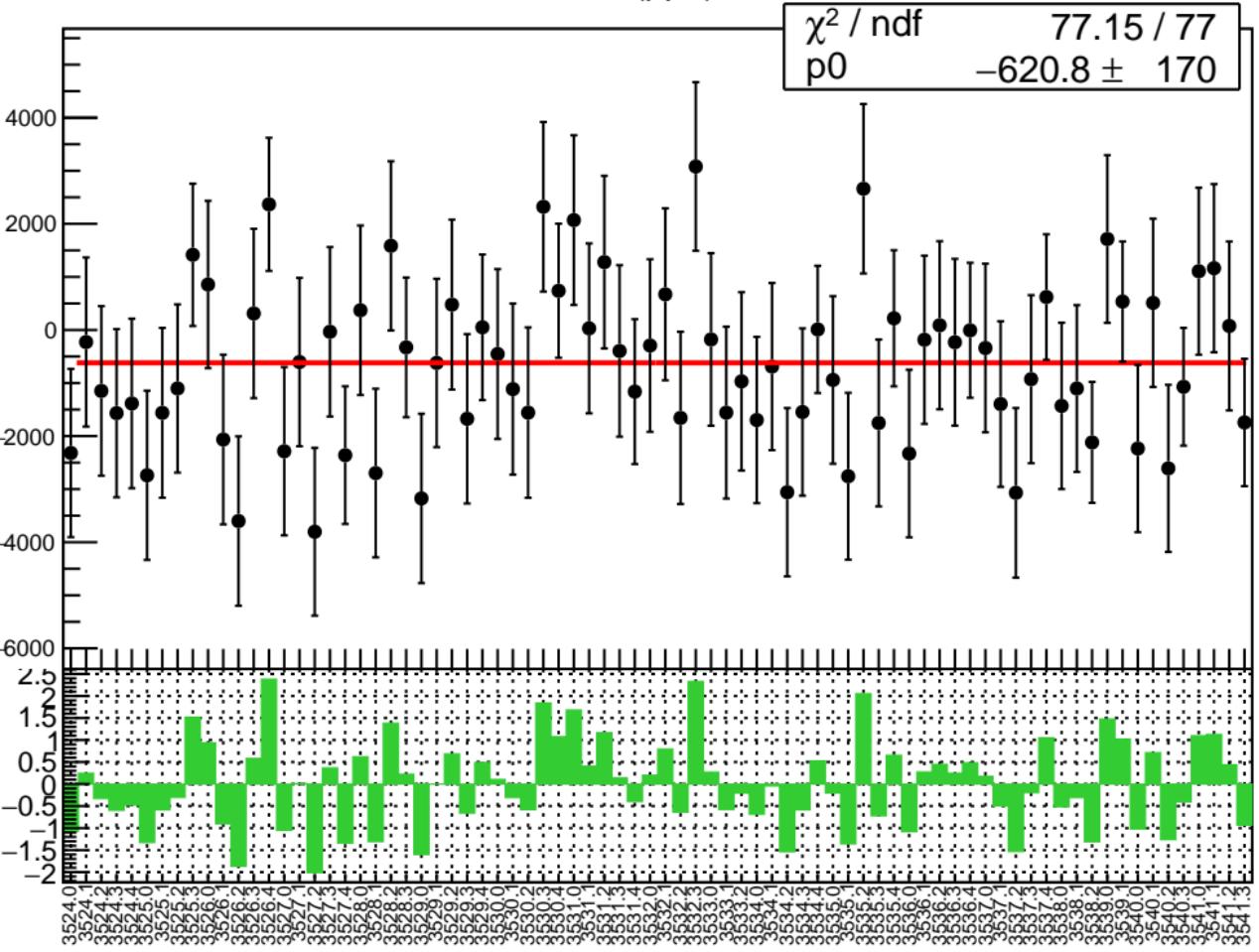
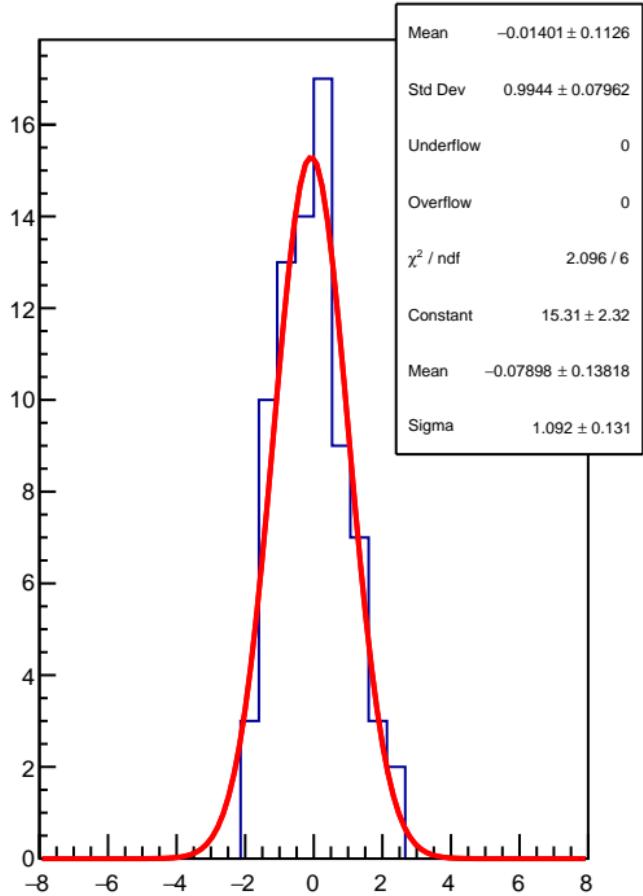


Adet (ppb)

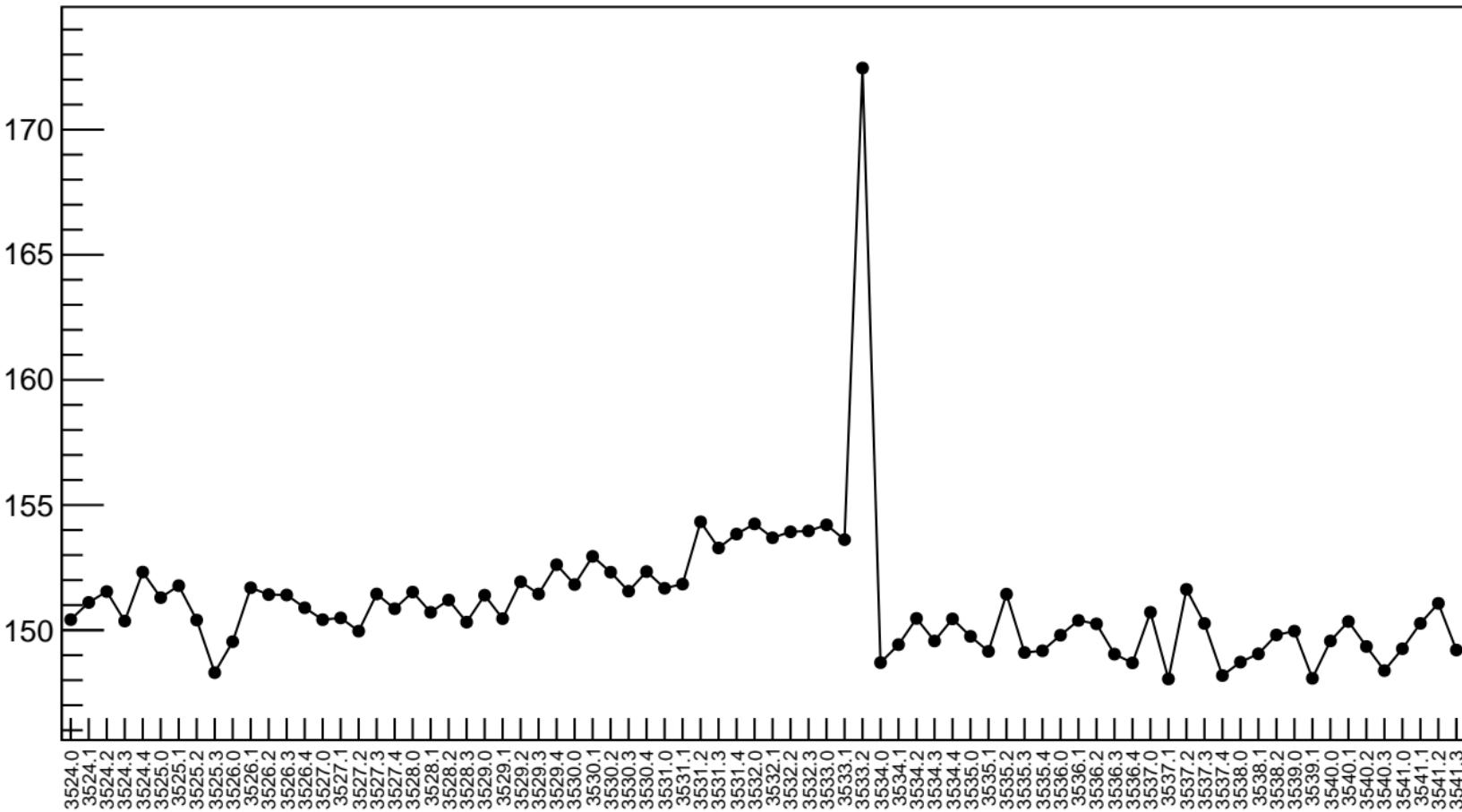


1D pull distribution

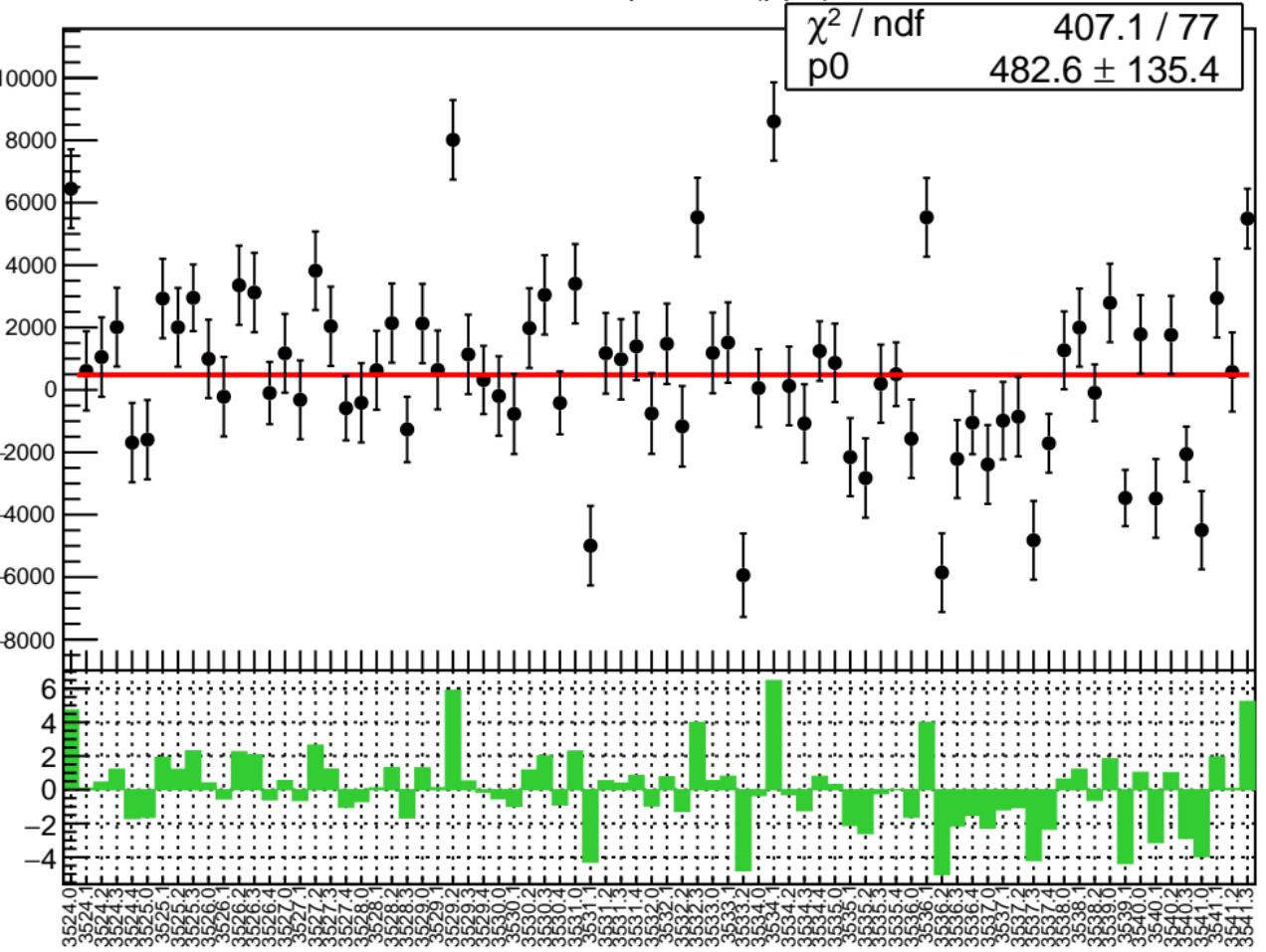


Adet RMS (ppm)

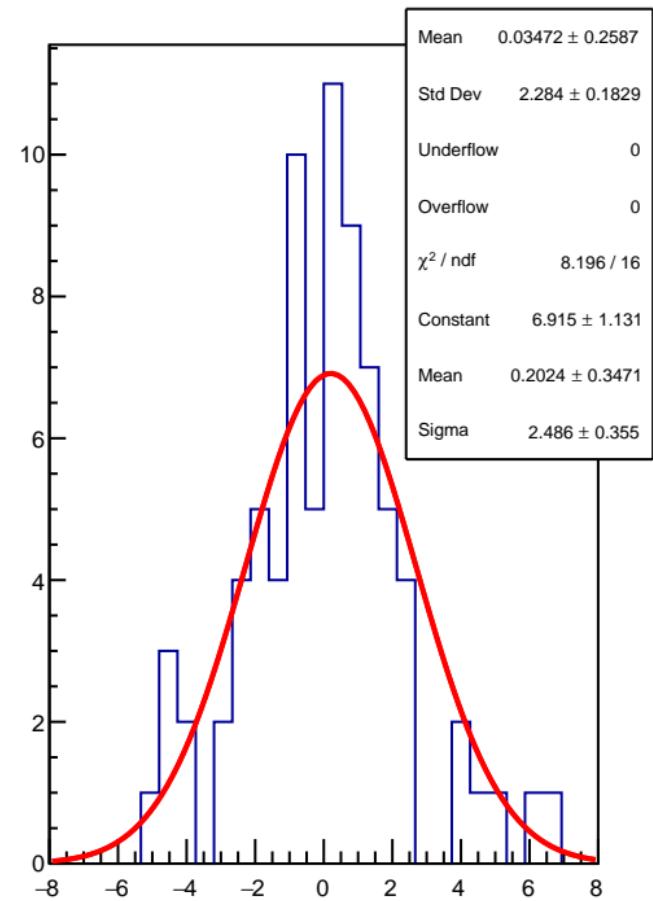
RMS (ppm)



corr_Adet_bpm4eX (ppb)



1D pull distribution

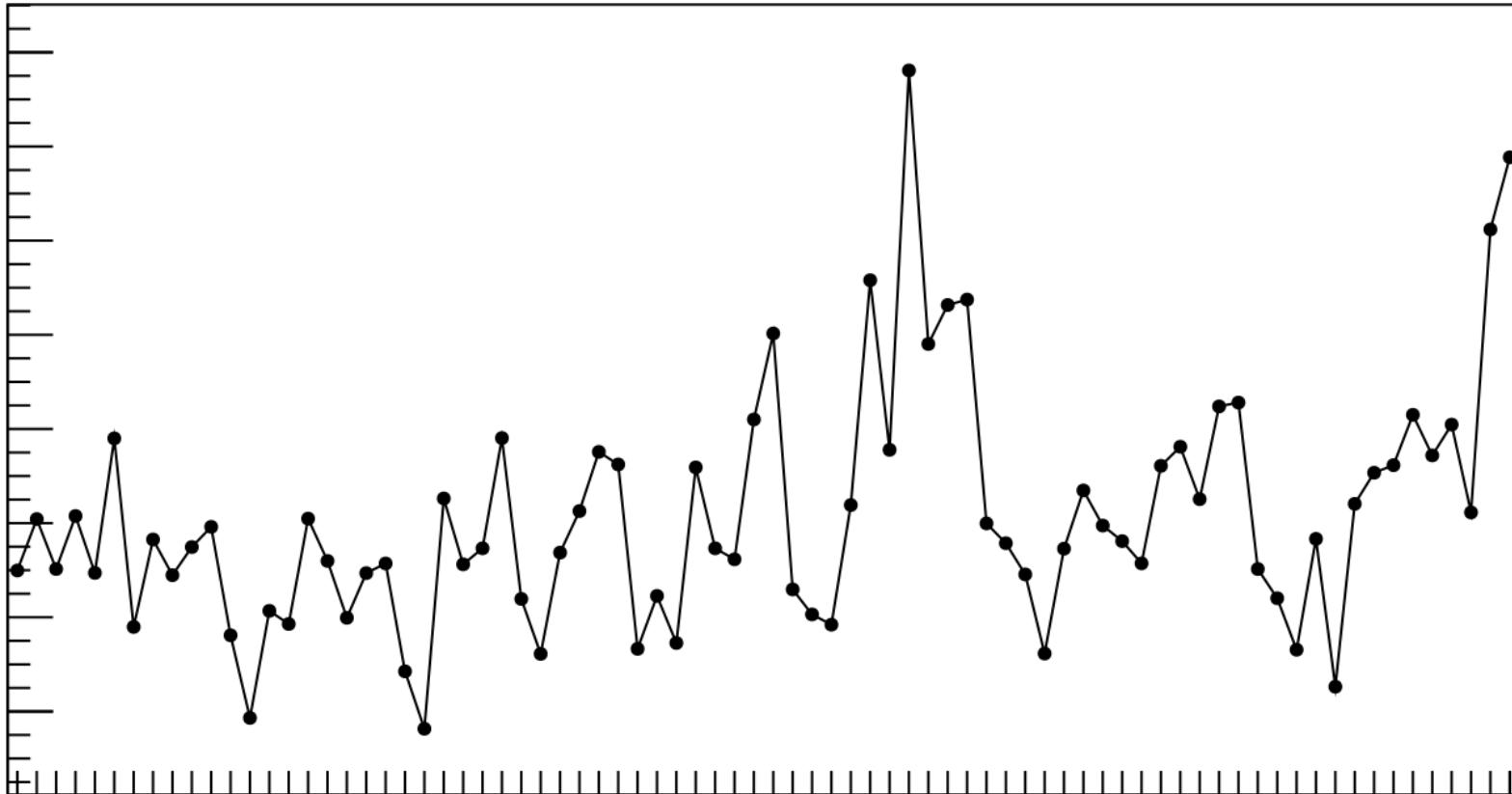


corr_Adet_bpm4eX RMS (ppm)

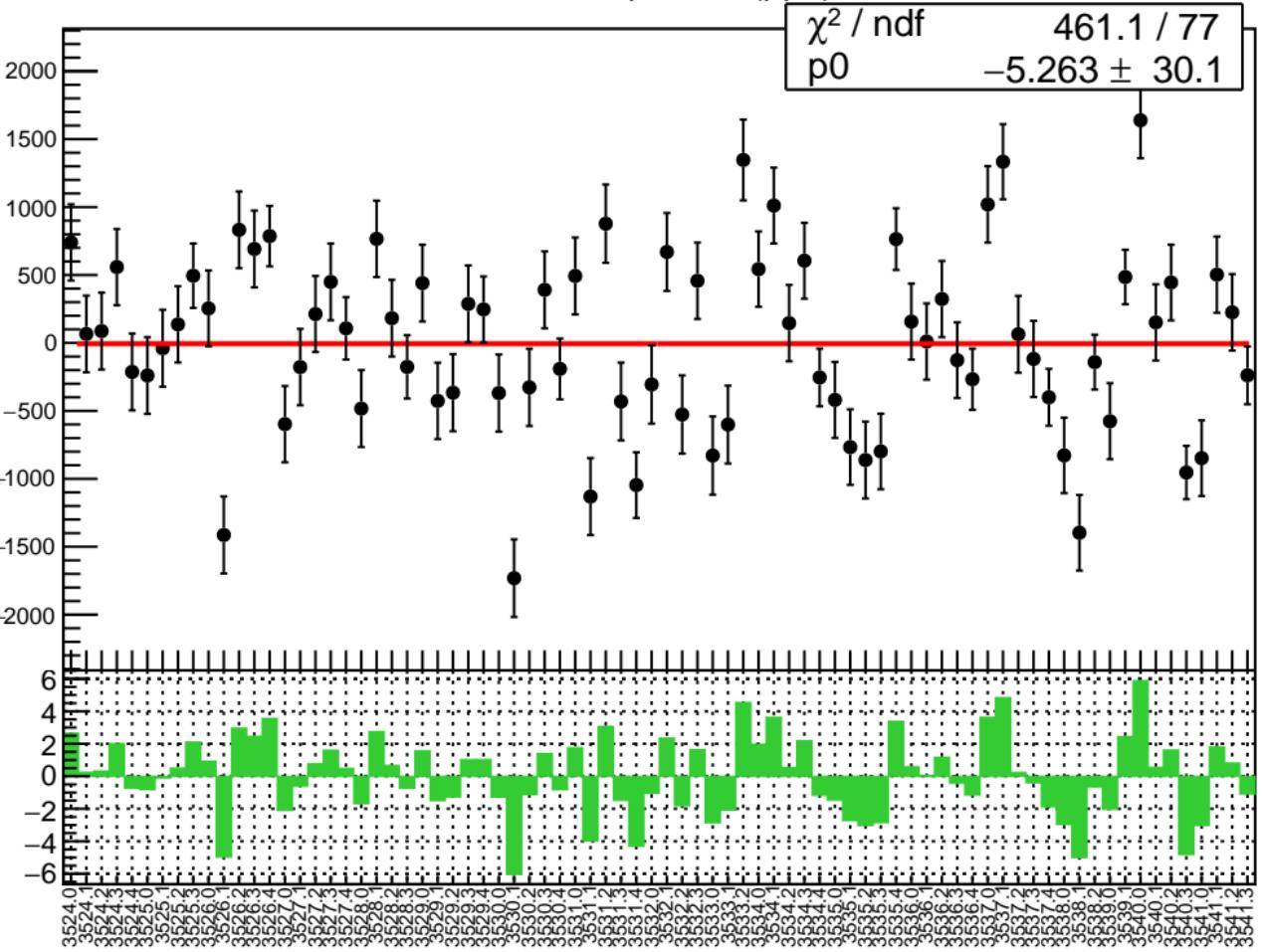
RMS (ppm)

360
340
320
300
280
260
240
220

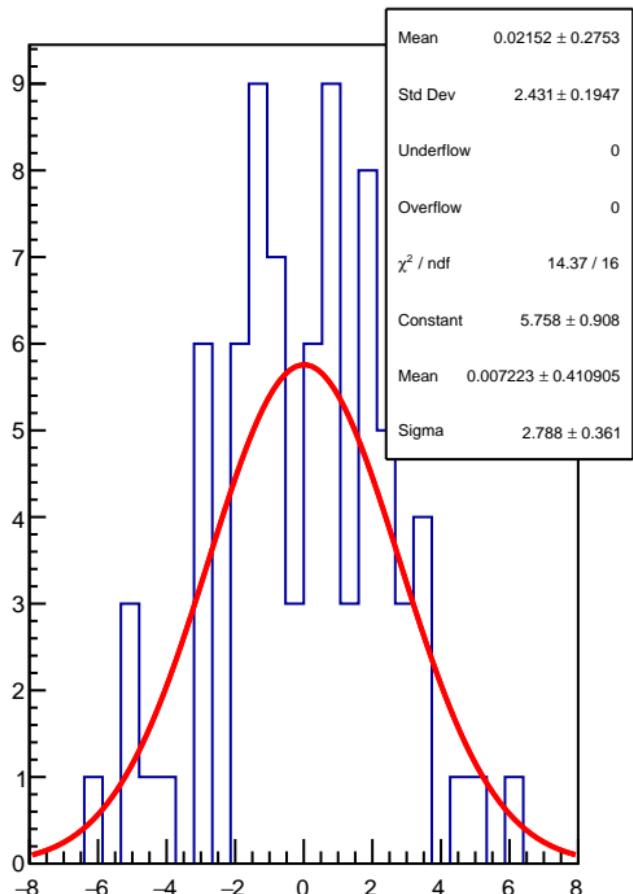
3524.0
3524.1
3524.2
3524.3
3524.4
3525.0
3525.1
3525.2
3525.3
3526.0
3526.1
3526.2
3526.3
3526.4
3527.0
3527.1
3527.2
3527.3
3527.4
3528.0
3528.1
3528.2
3528.3
3529.0
3529.1
3529.2
3529.3
3529.4
3530.0
3530.1
3530.2
3530.3
3530.4
3531.0
3531.1
3531.2
3531.3
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3532.0
3532.1
3532.2
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3540.2
3540.3
3541.0
3541.1
3541.2
3541.3



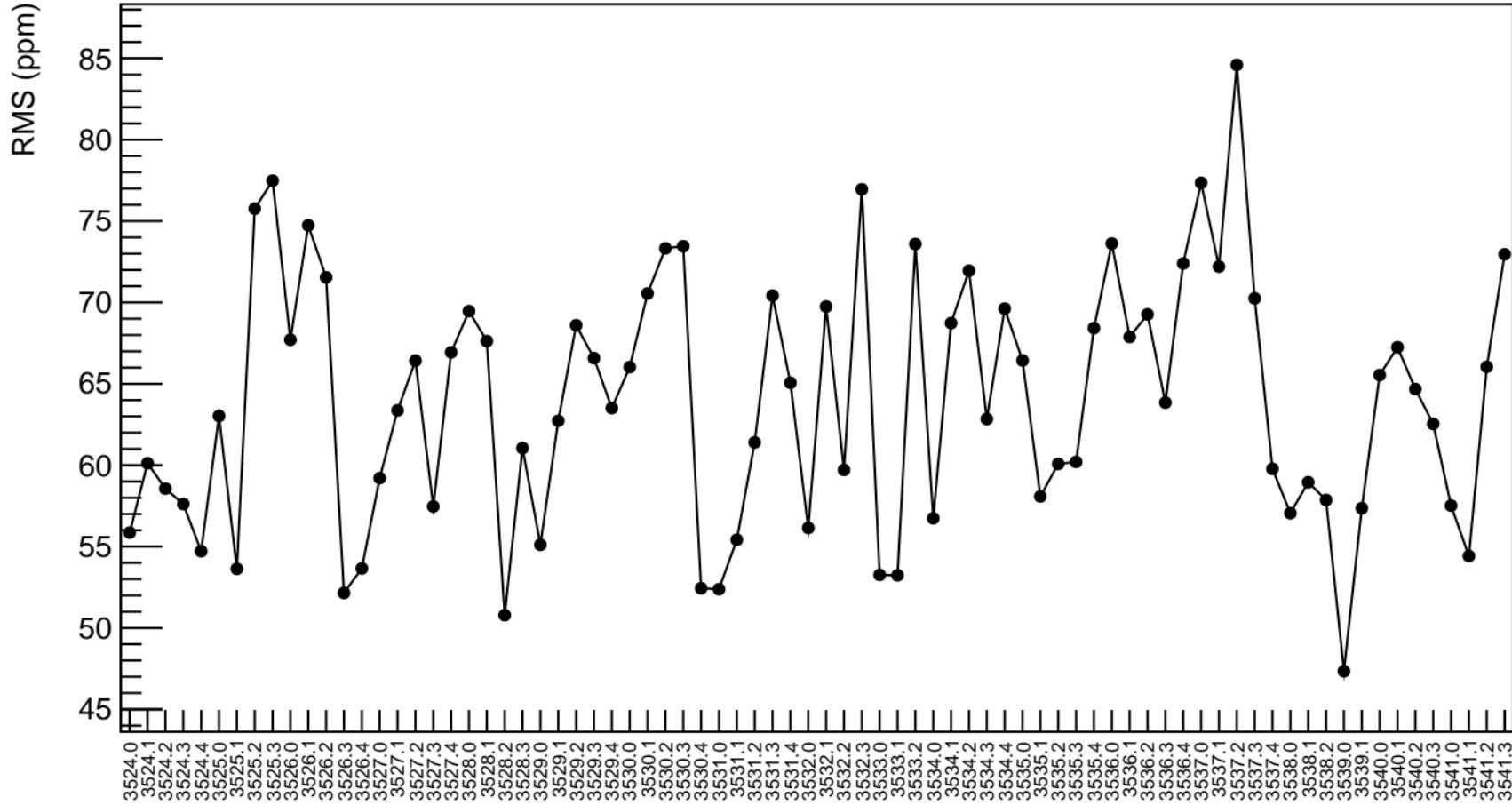
corr_Adet_bpm4eY (ppb)



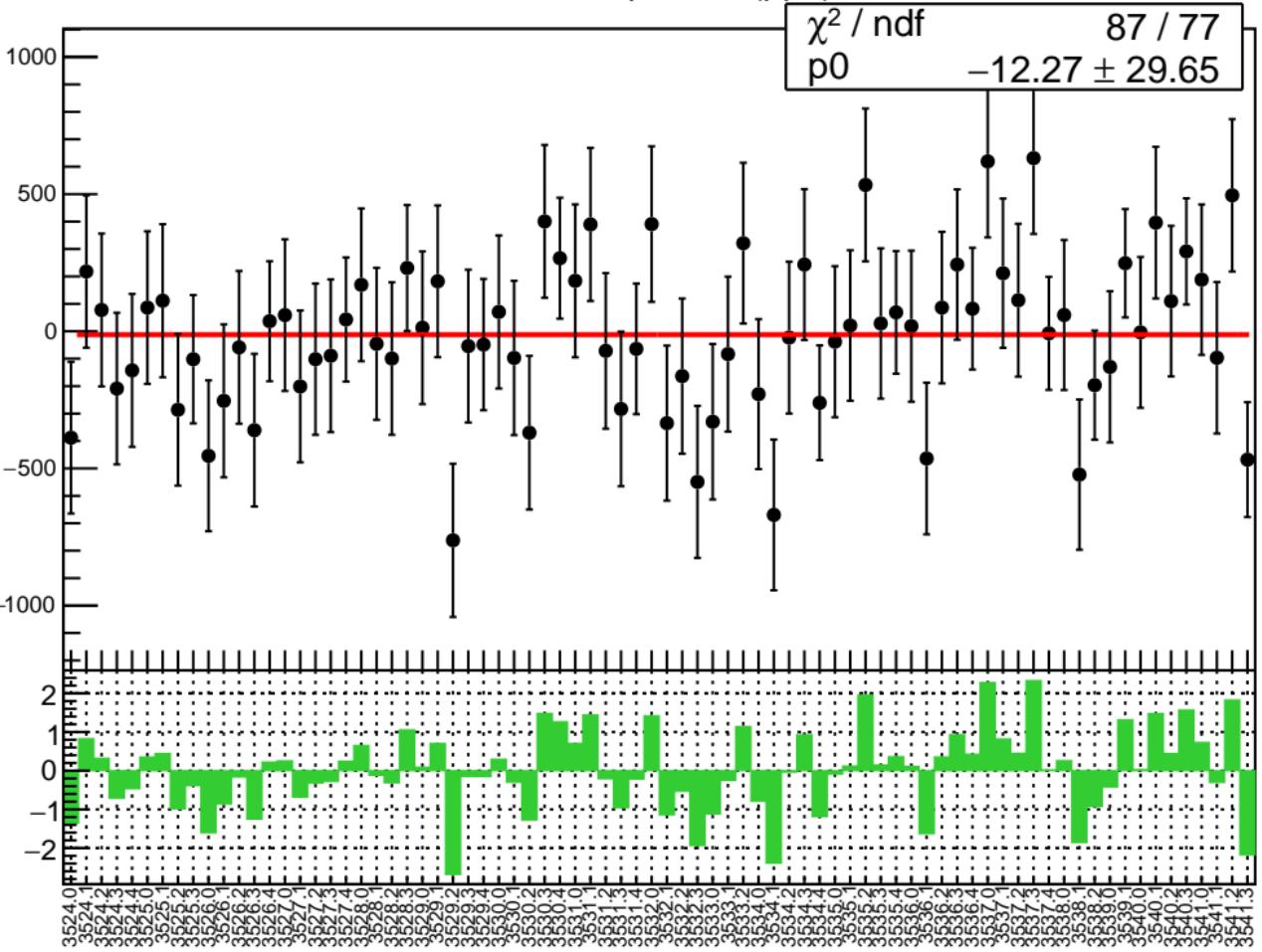
1D pull distribution



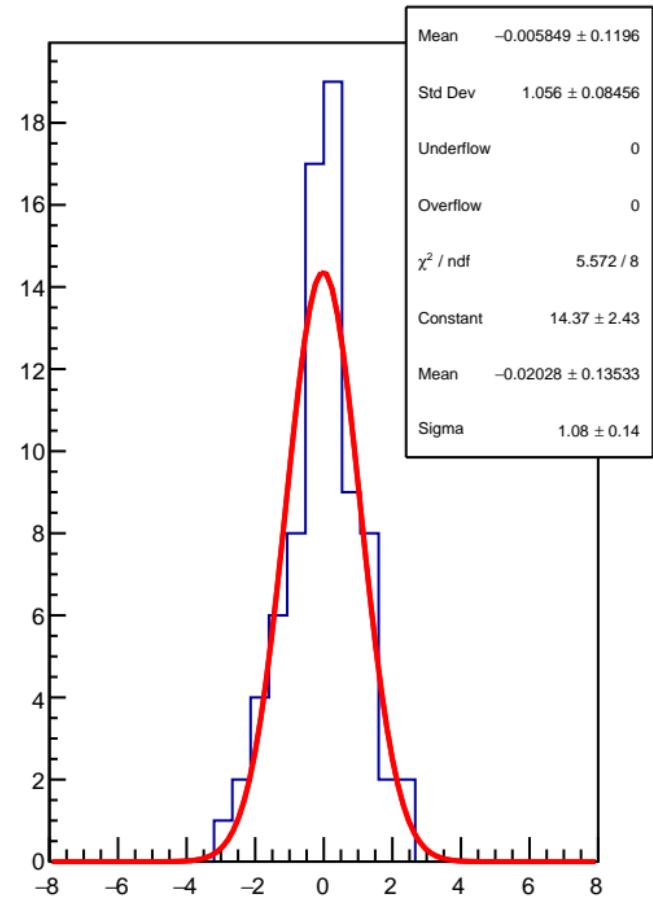
corr_Adet_bpm4eY RMS (ppm)



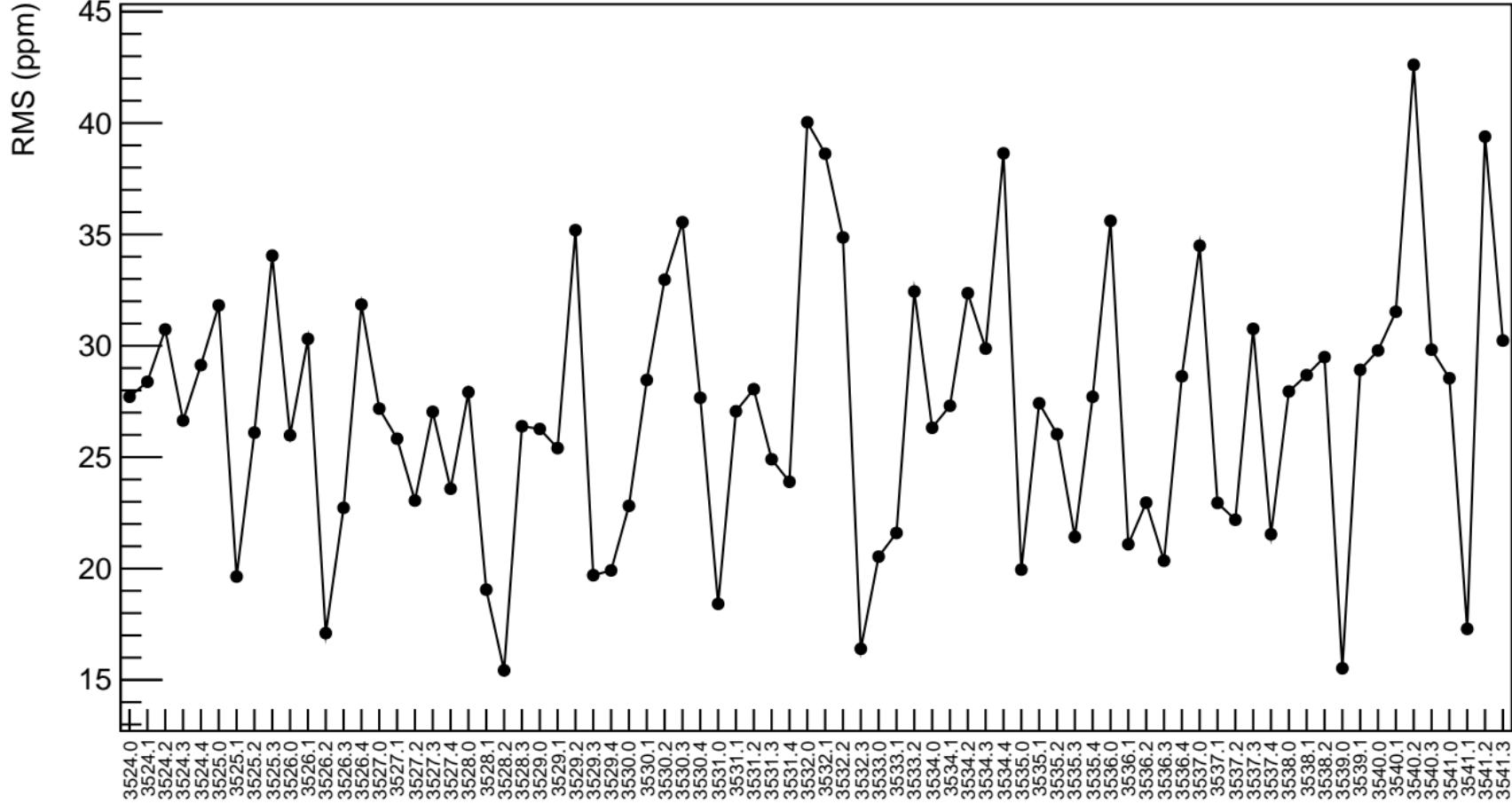
corr_Adet_bpm4aX (ppb)



1D pull distribution

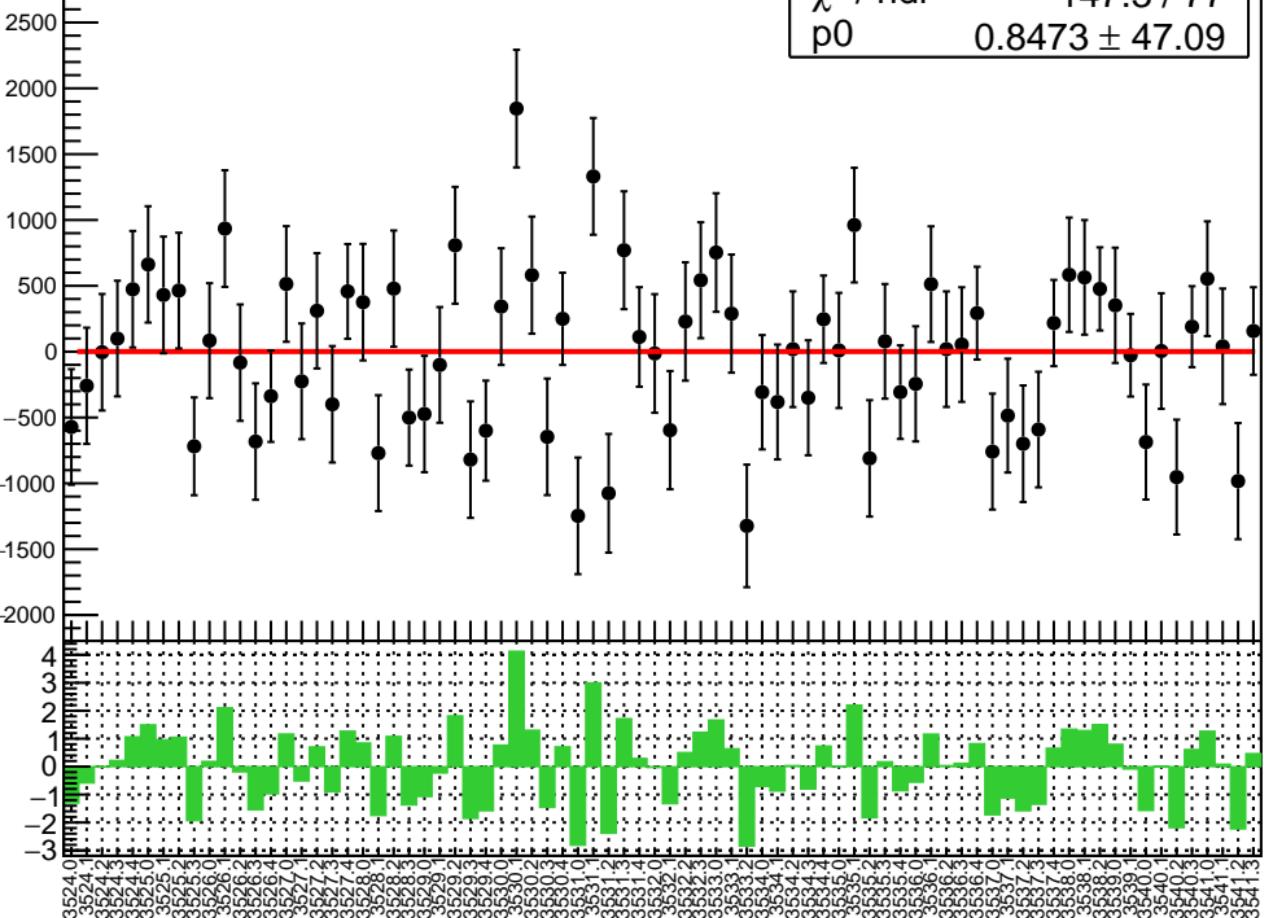


corr_Adet_bpm4aX RMS (ppm)

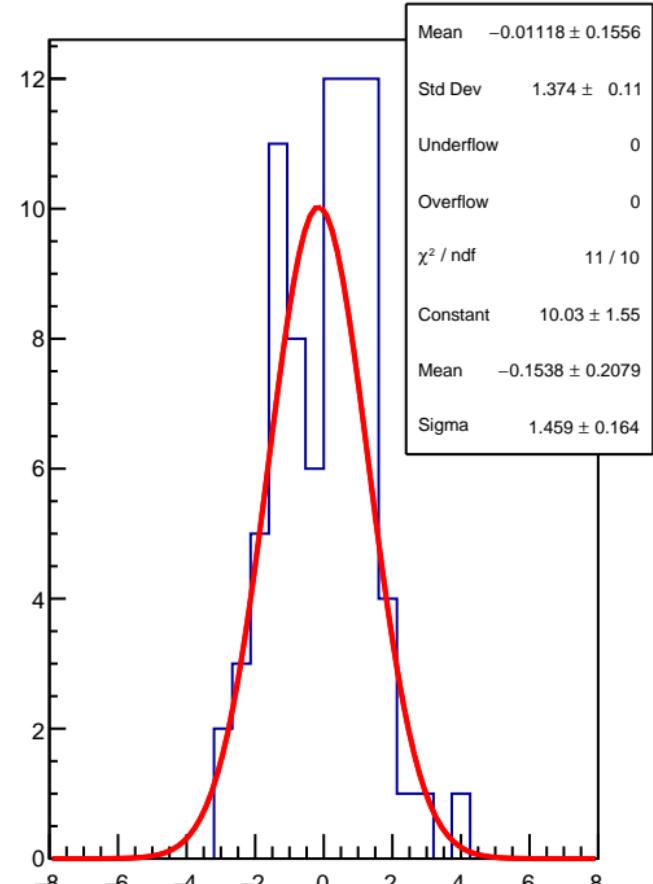


corr_Adet_bpm4aY (ppb)

χ^2 / ndf 147.3 / 77
p0 0.8473 ± 47.09

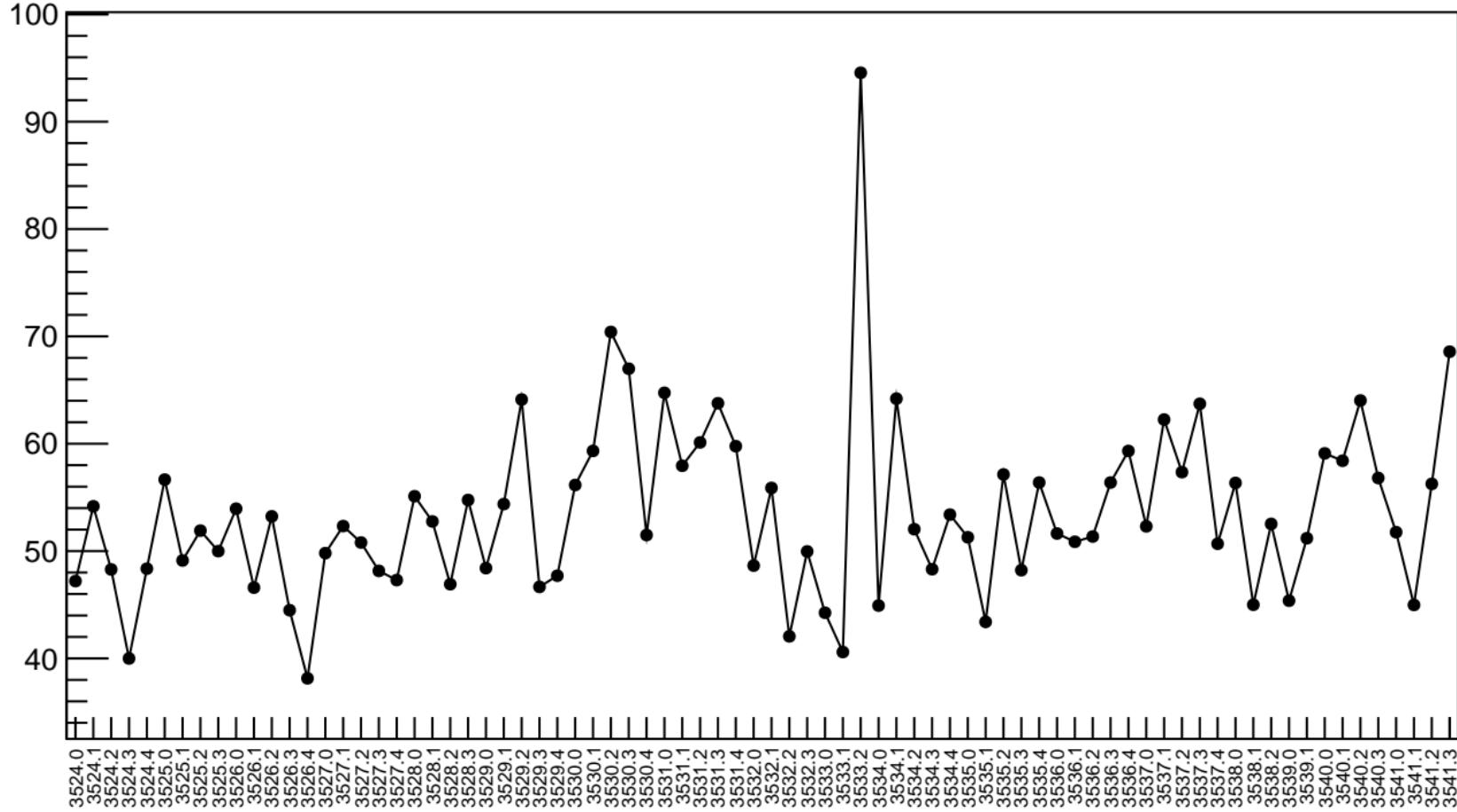


1D pull distribution



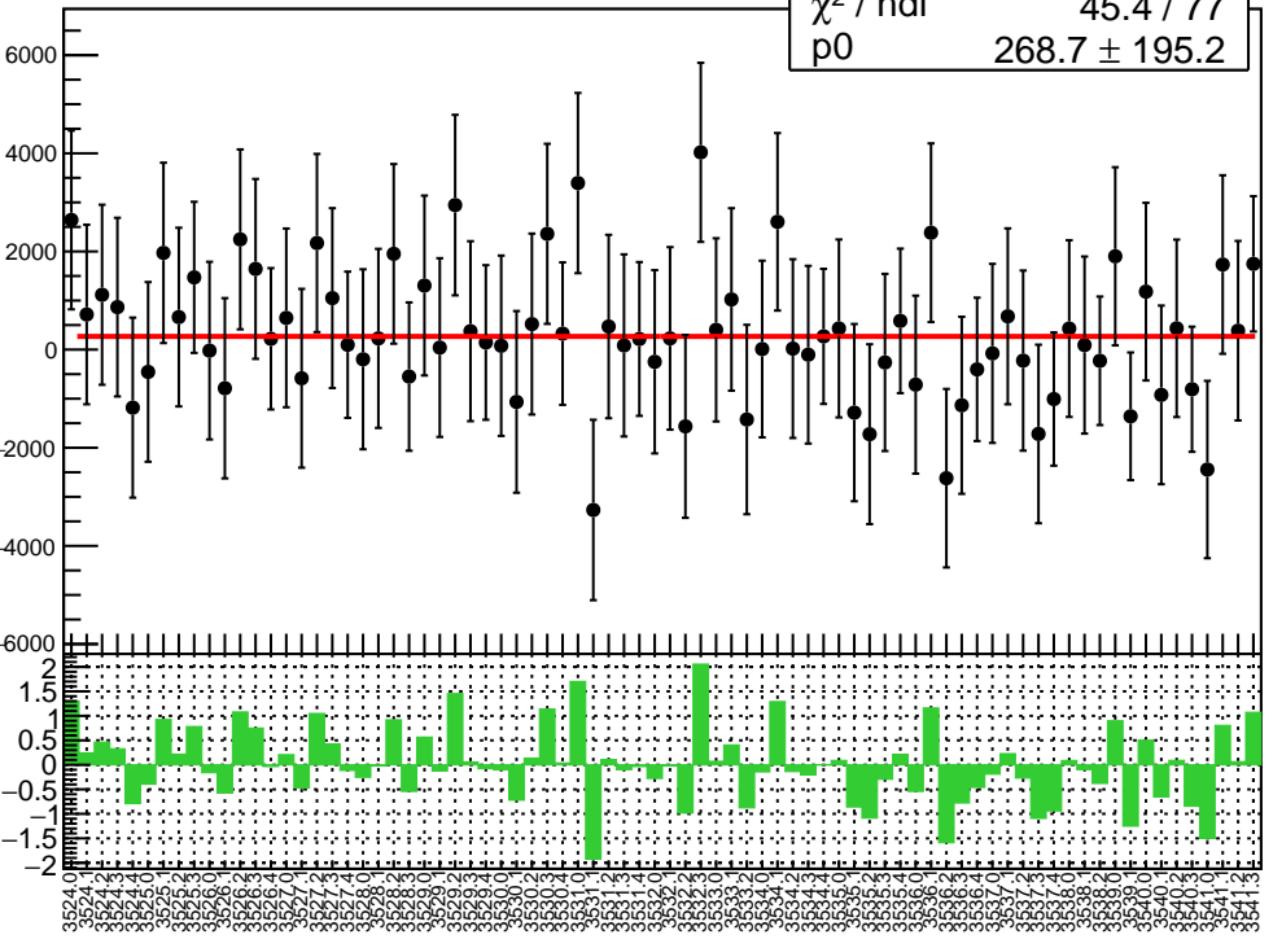
corr_Adet_bpm4aY RMS (ppm)

RMS (ppm)

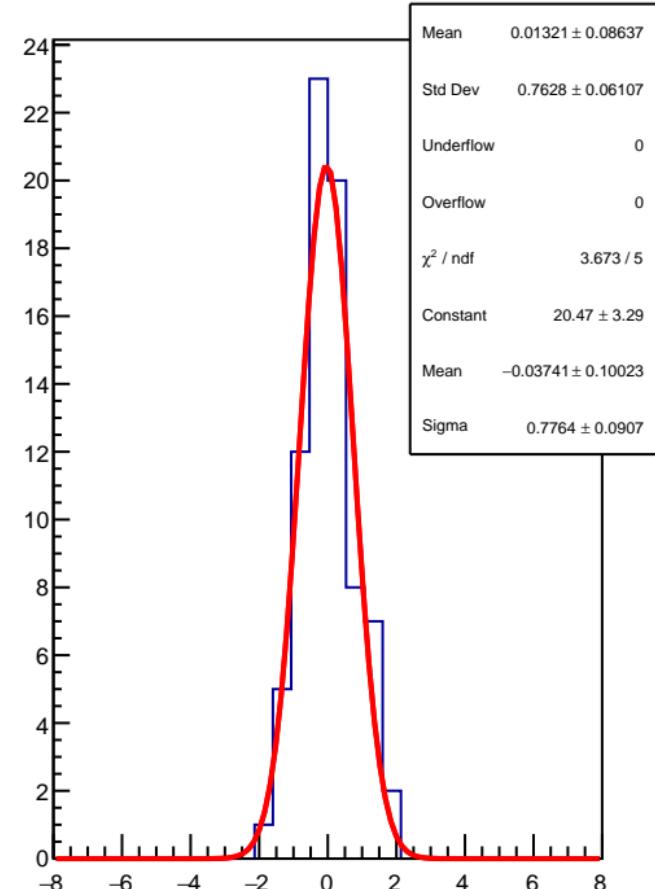


corr_Adet_bpm1X (ppb)

χ^2 / ndf 45.4 / 77
p0 268.7 ± 195.2

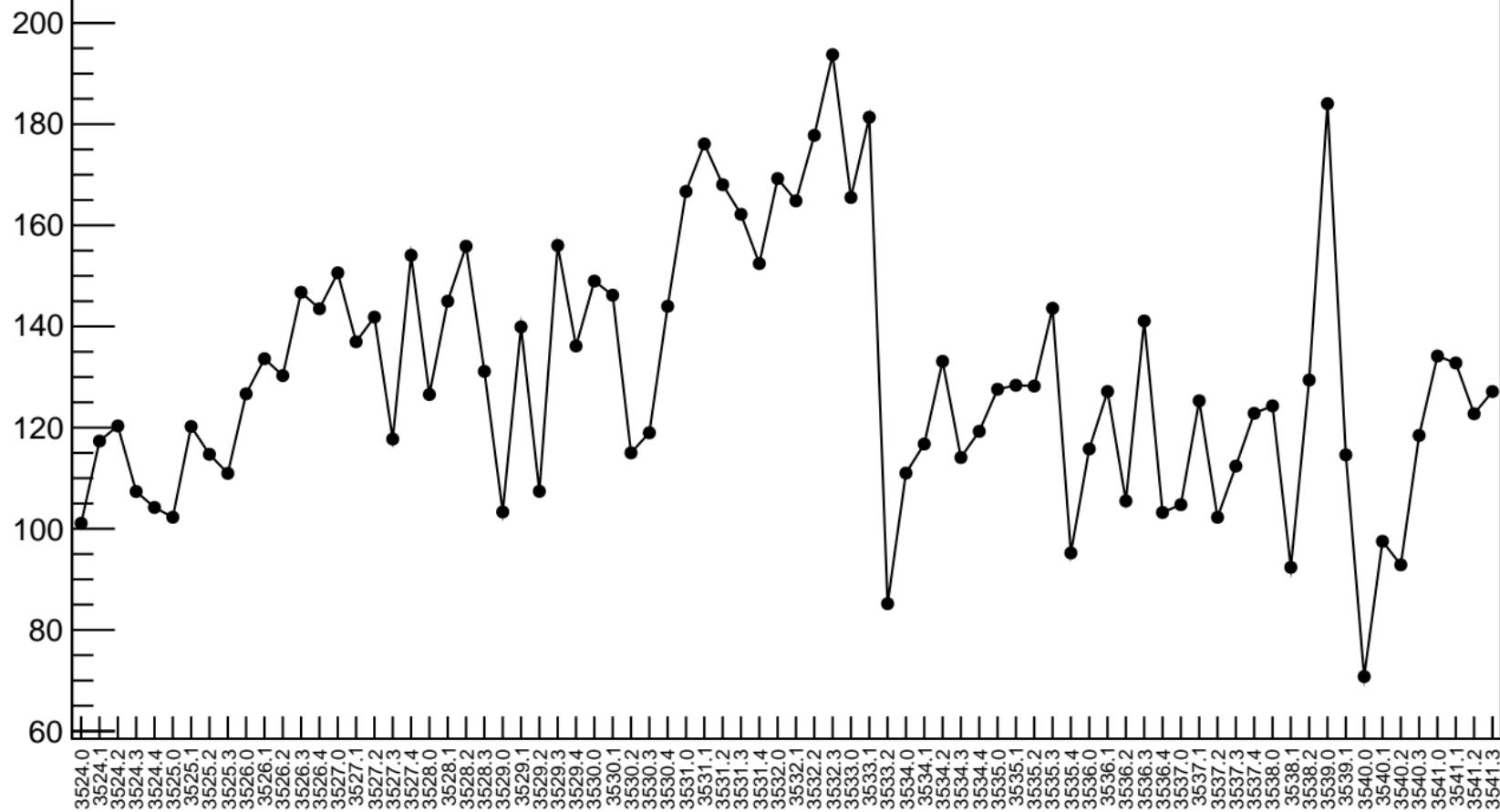


1D pull distribution

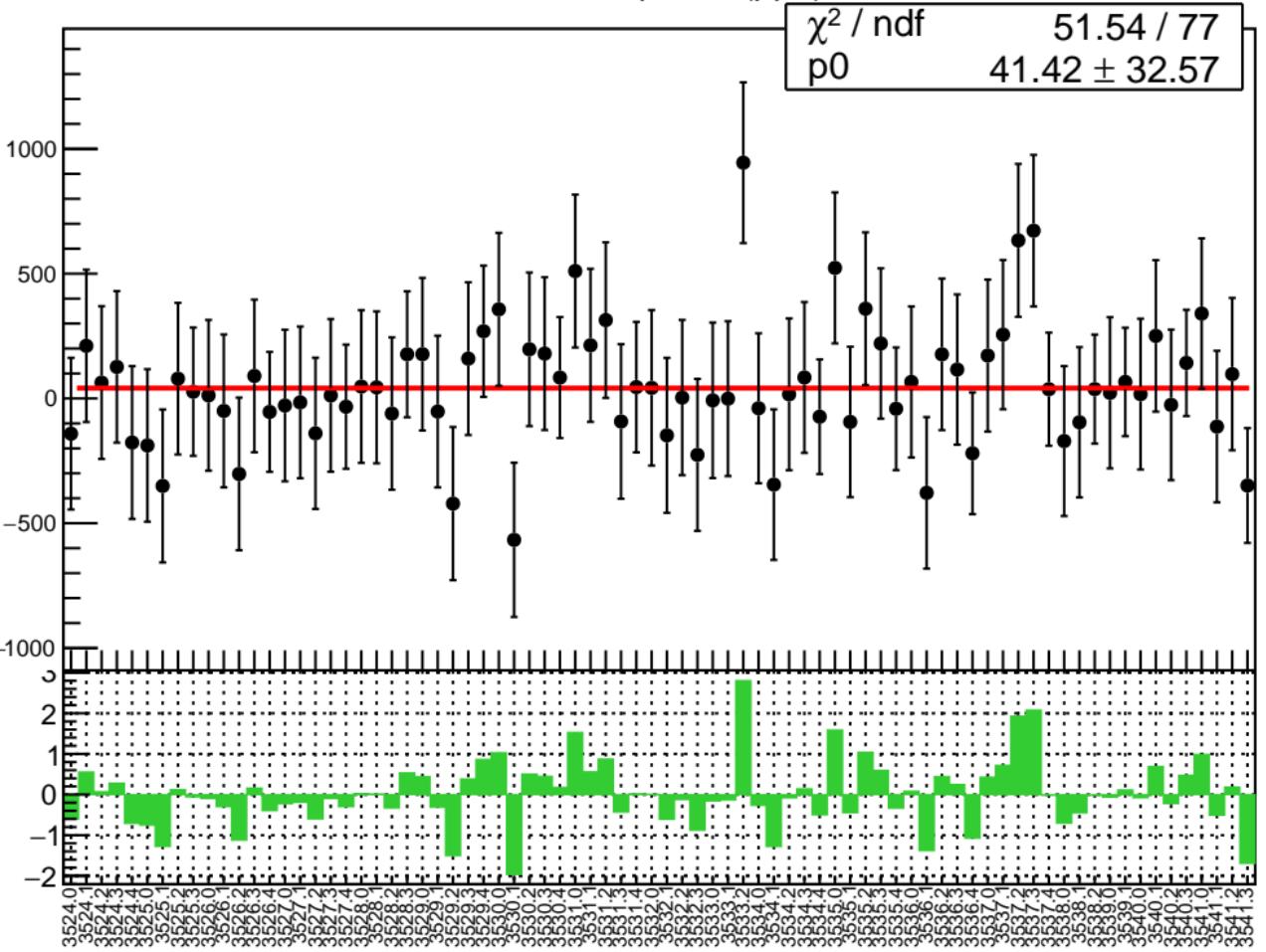


corr_Adet_bpm1X RMS (ppm)

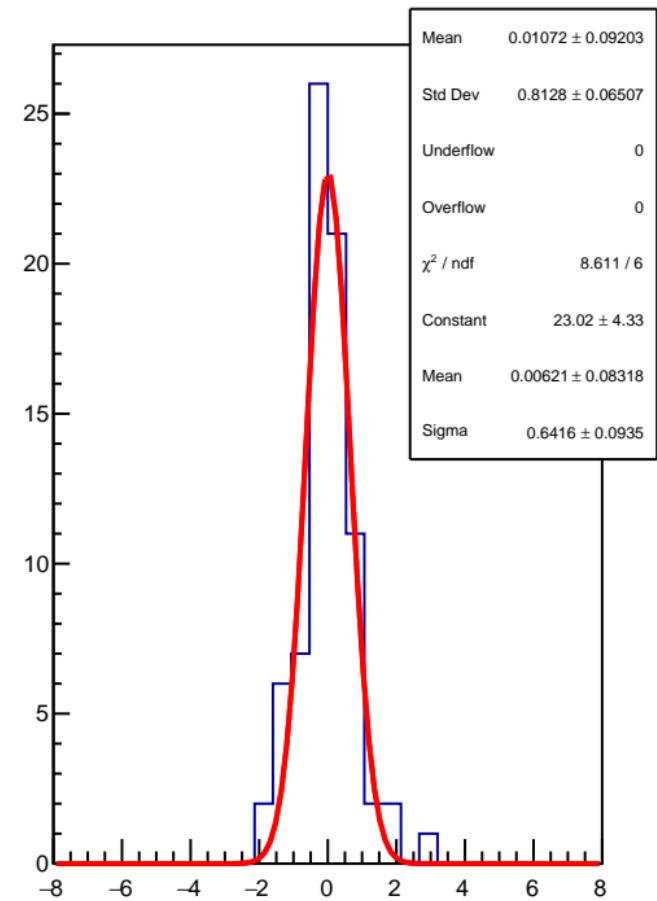
RMS (ppm)



corr_Adet_bpm1Y (ppb)



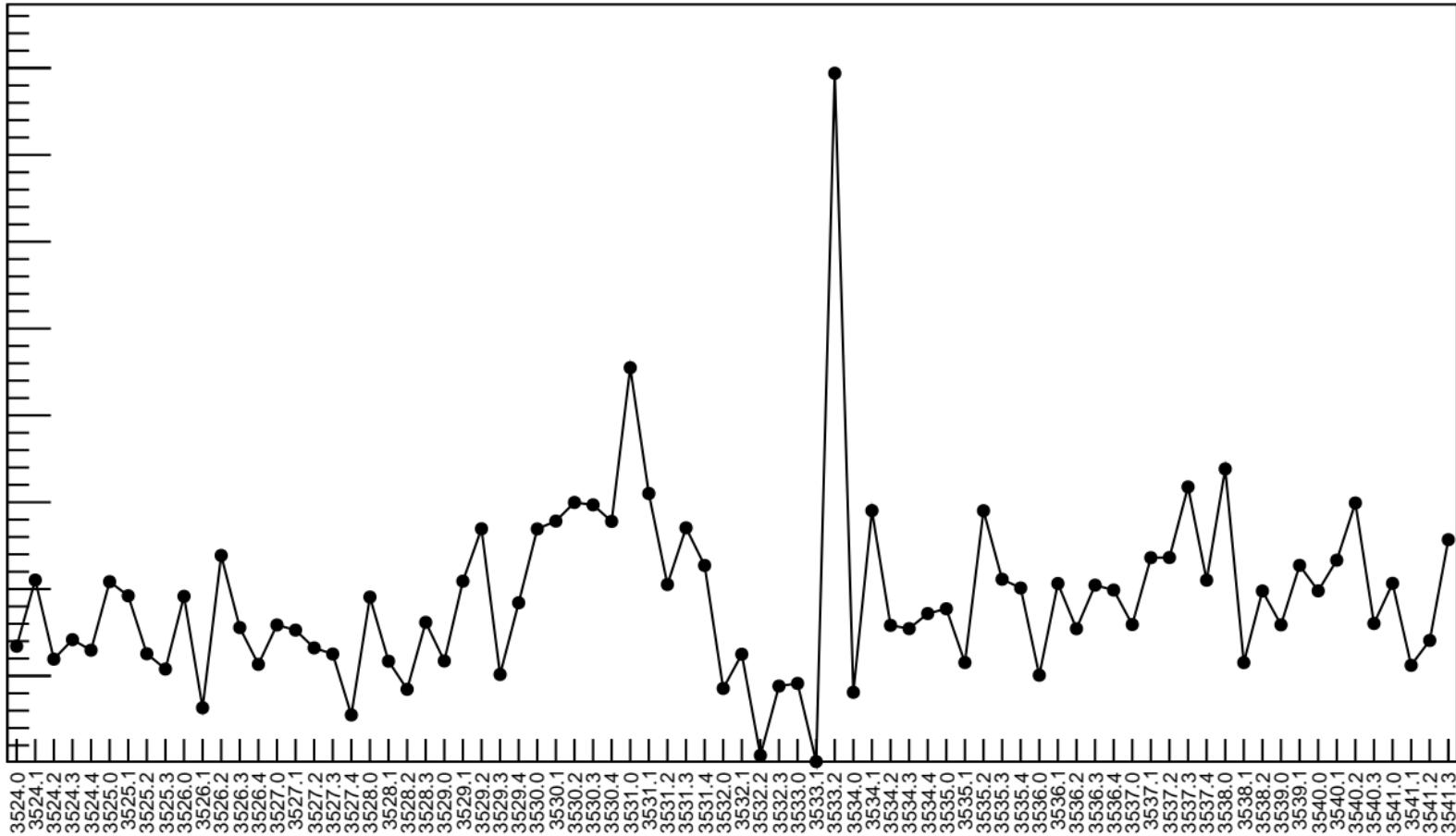
1D pull distribution



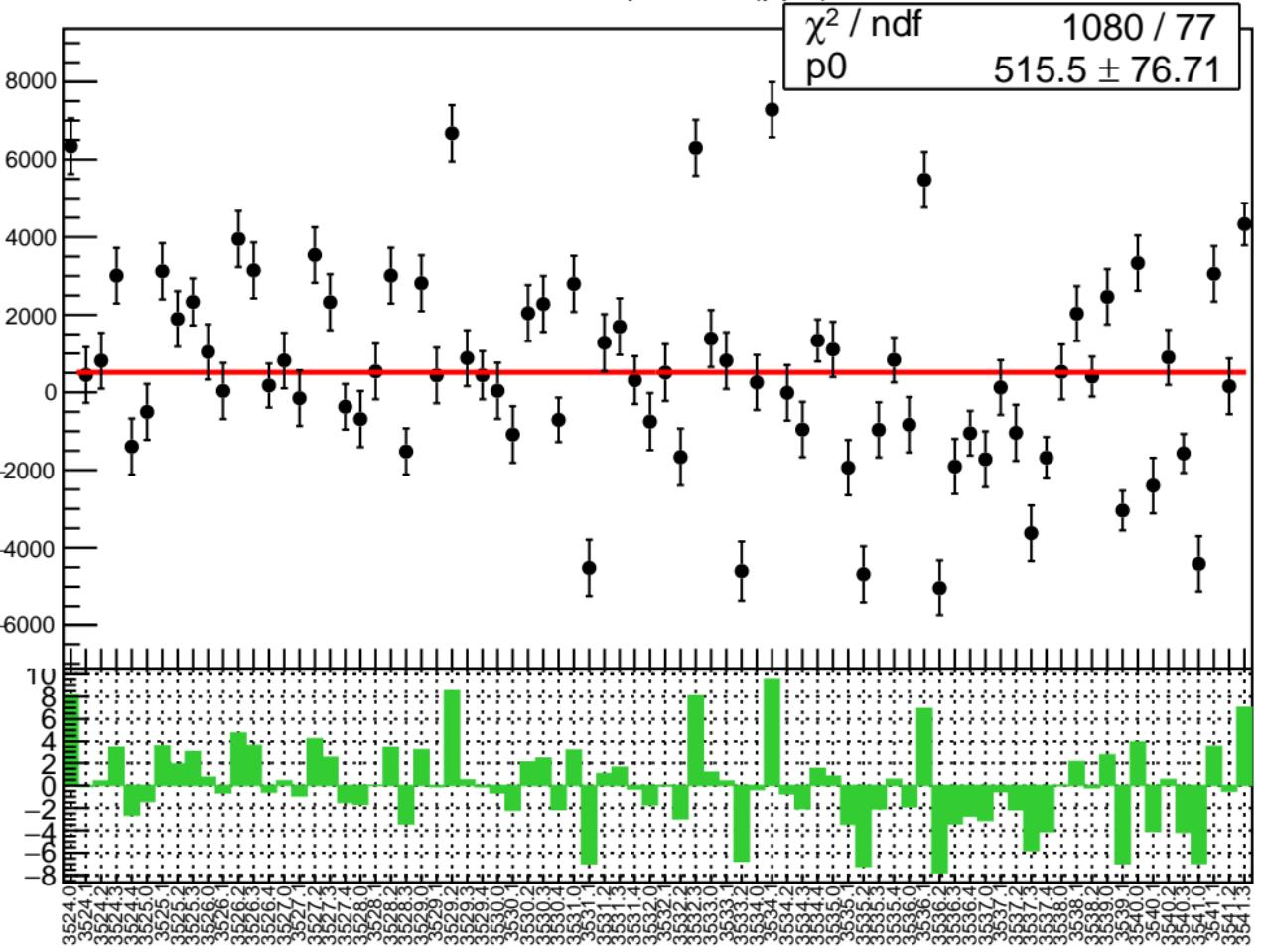
corr_Adet_bpm1Y RMS (ppm)

RMS (ppm)

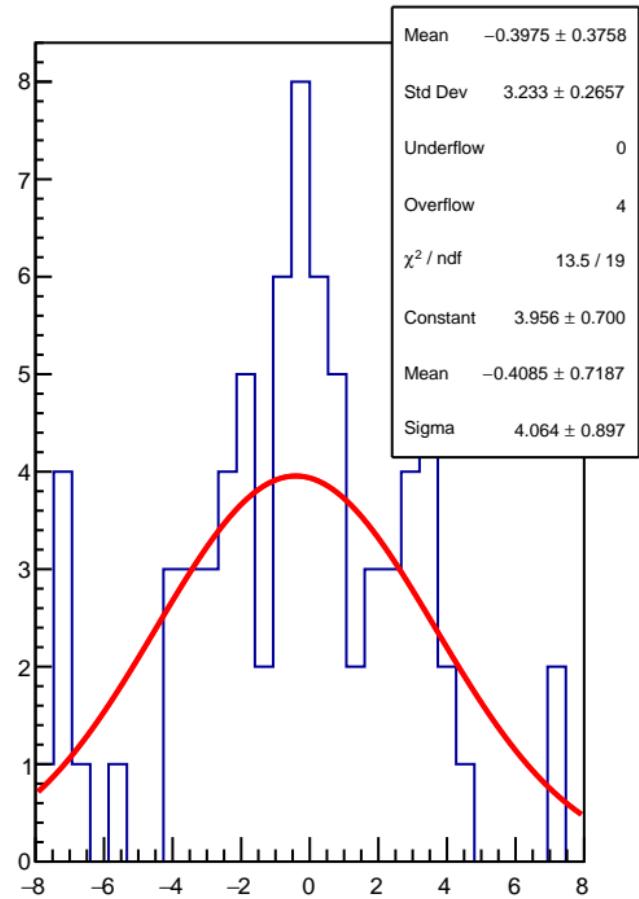
80
70
60
50
40
30
20
10



corr_Adet_bpm16X (ppb)

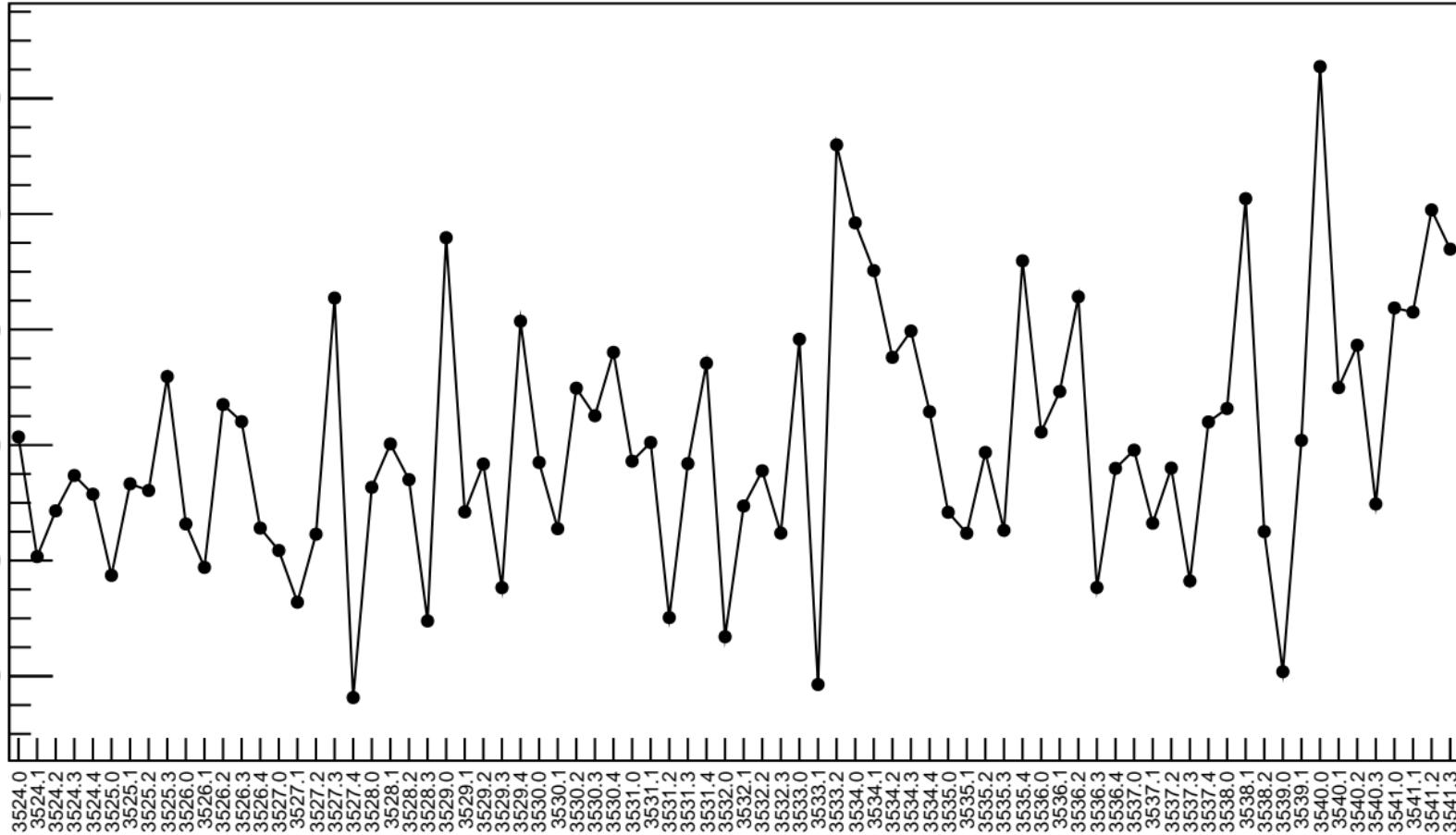


1D pull distribution

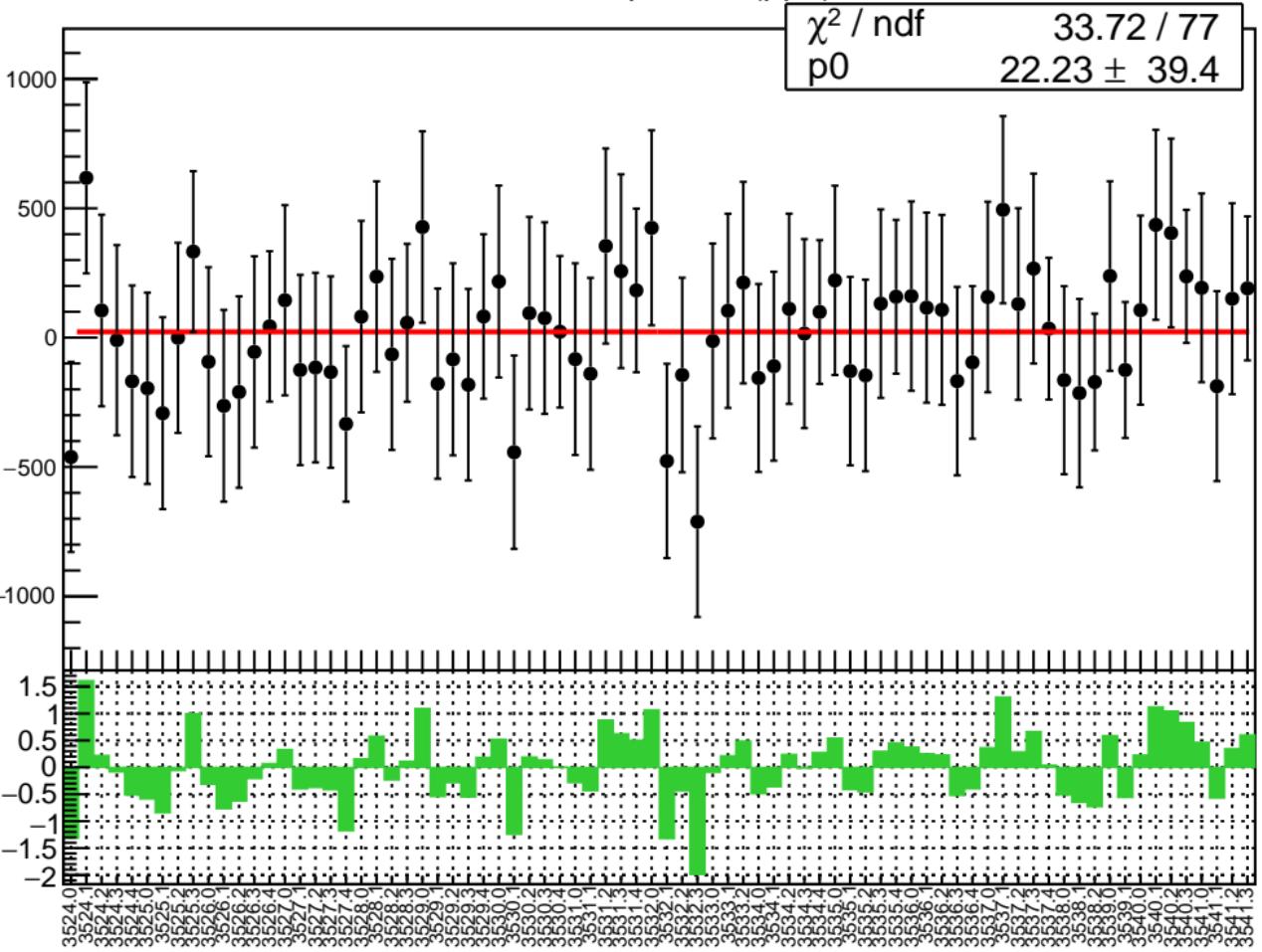


corr_Adet_bpm16X RMS (ppm)

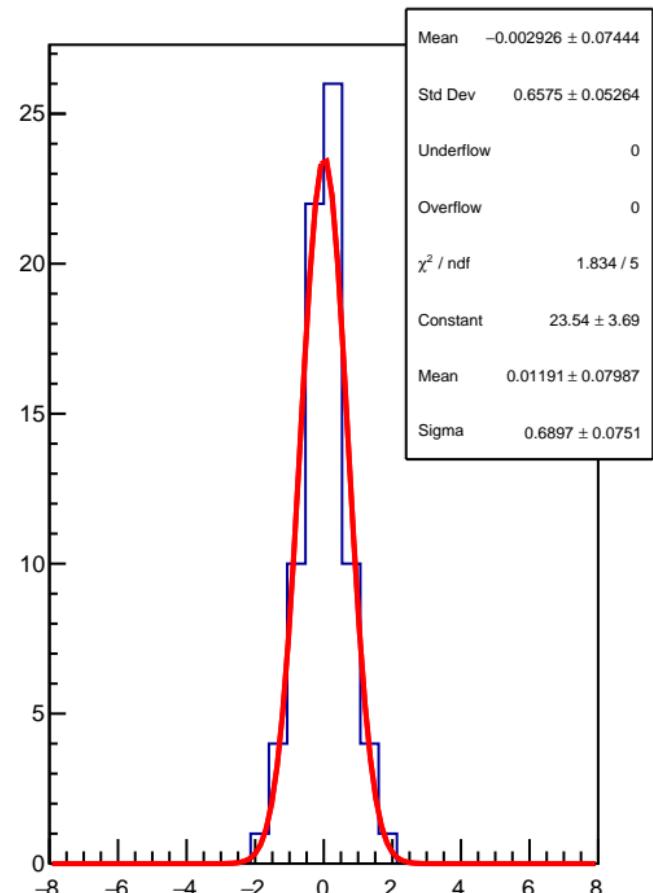
RMS (ppm)



corr_Adet_bpm16Y (ppb)

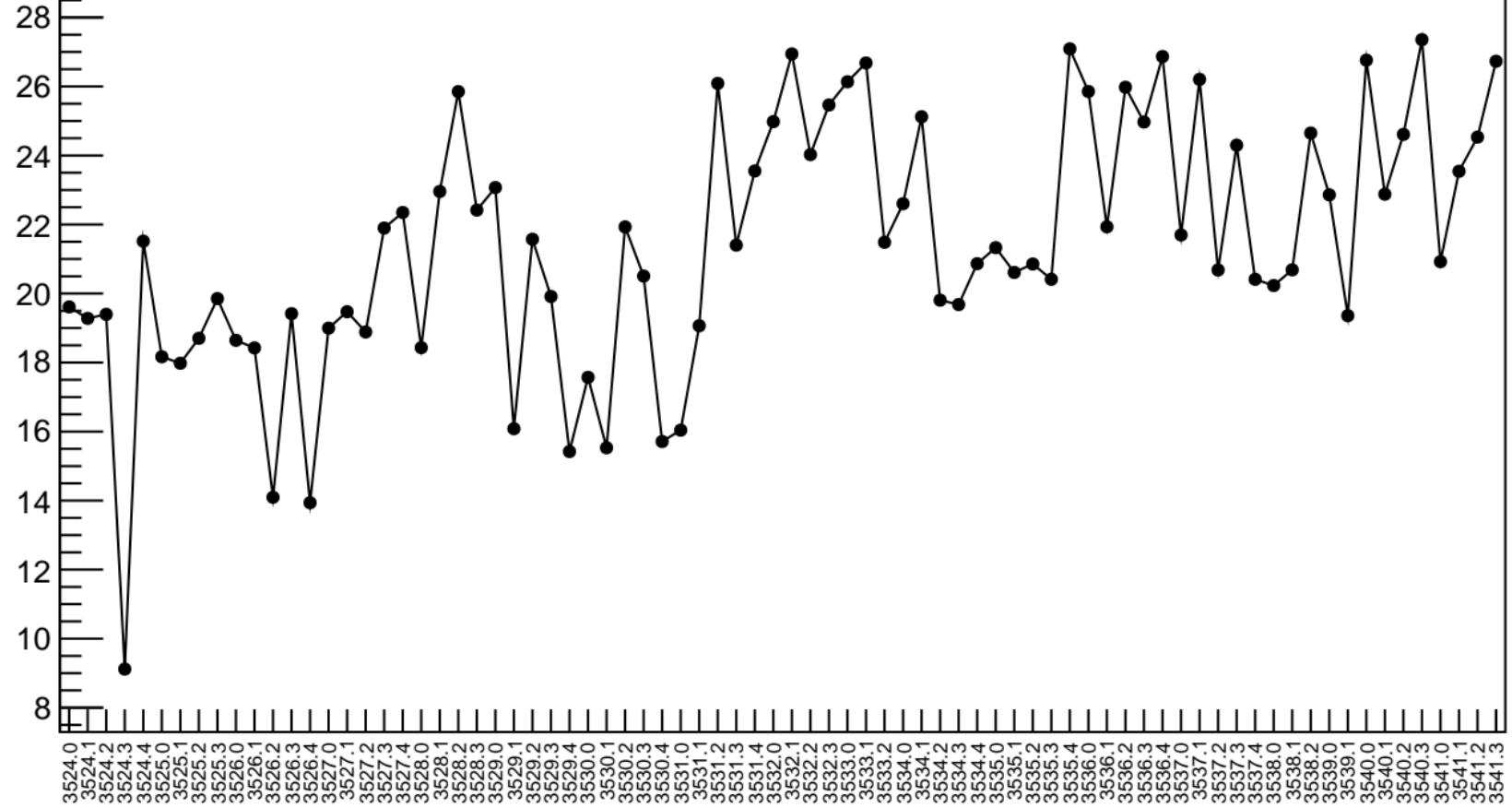


1D pull distribution

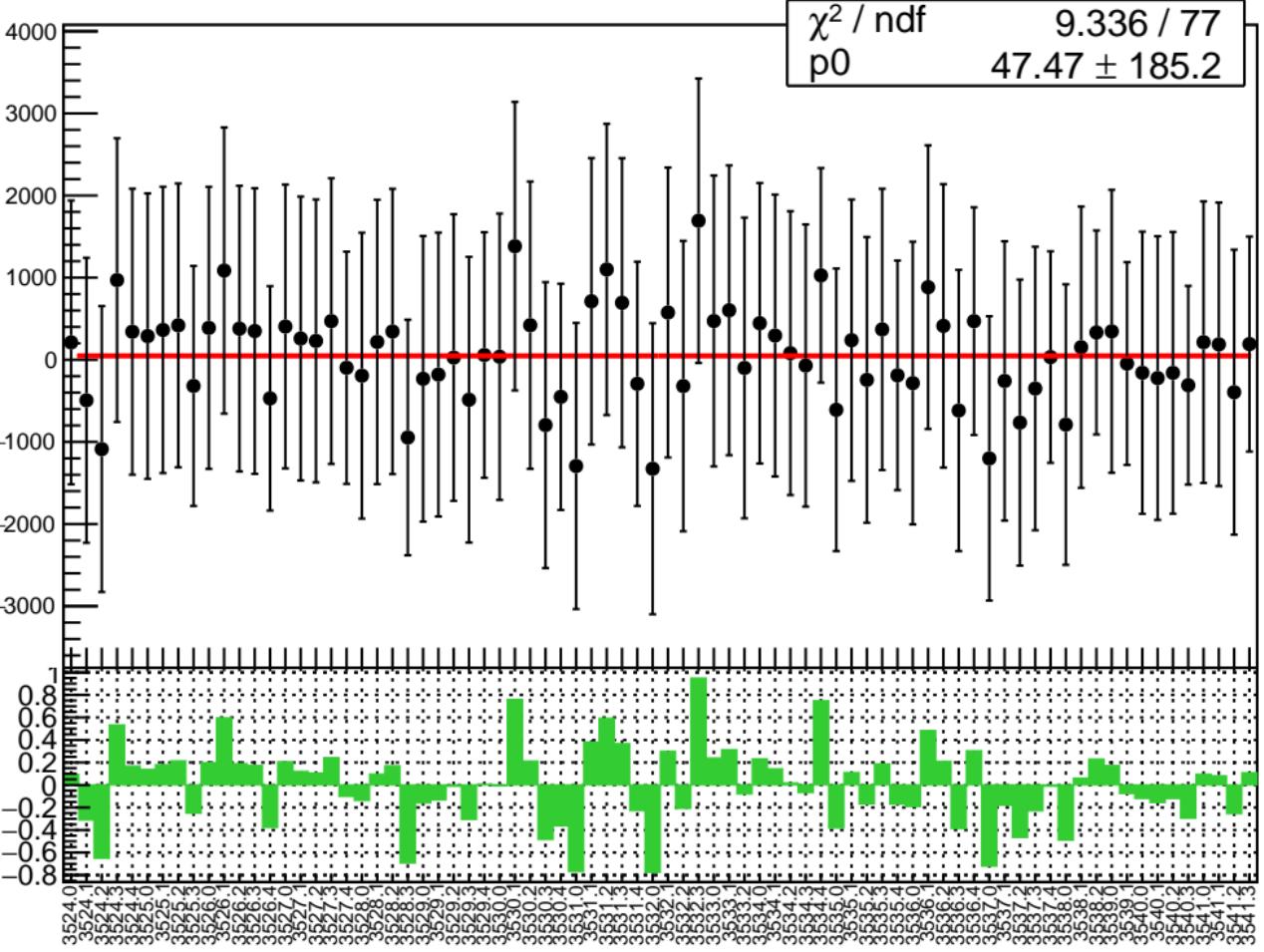


corr_Adet_bpm16Y RMS (ppm)

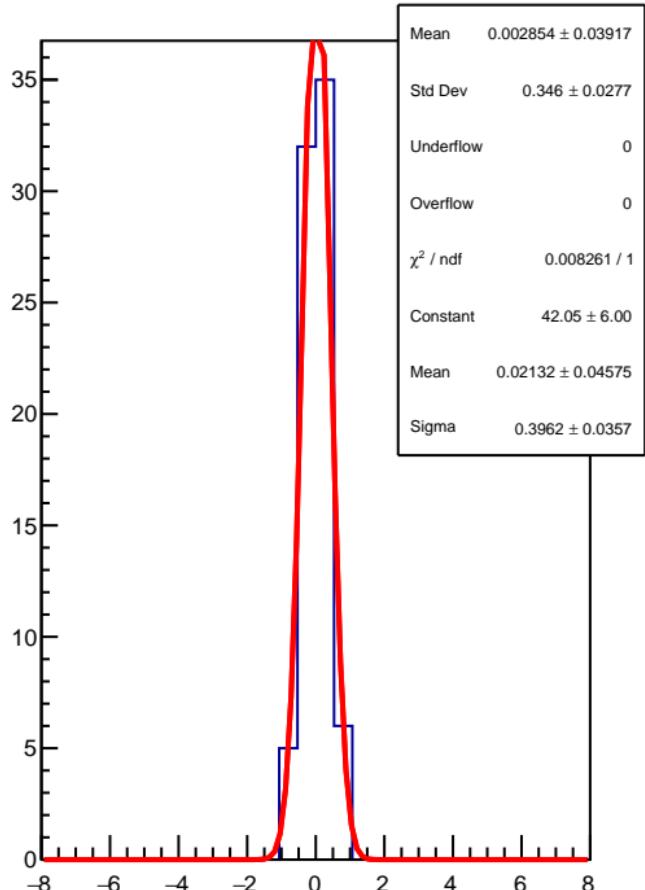
RMS (ppm)



corr_Adet_bpm12X (ppb)

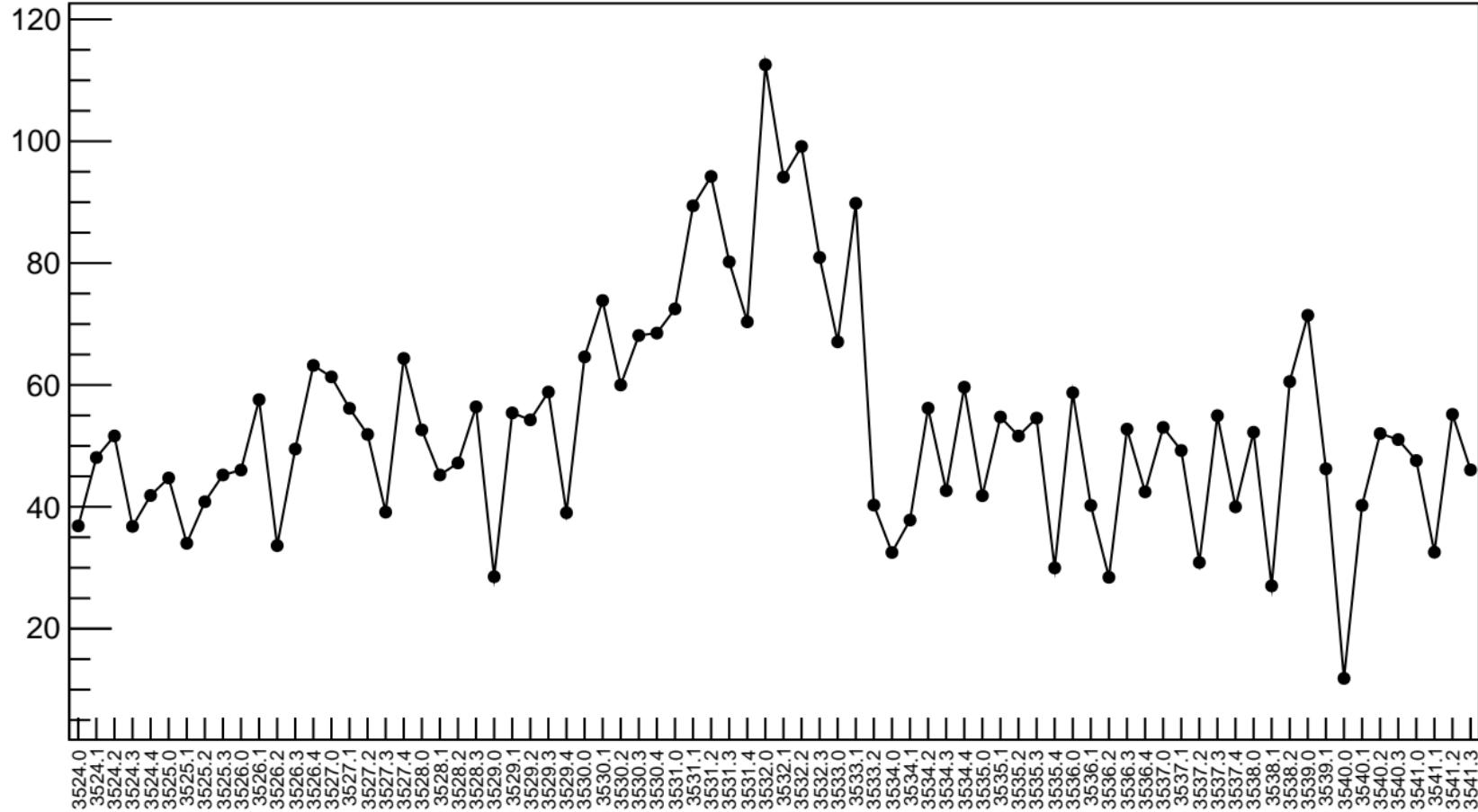


1D pull distribution



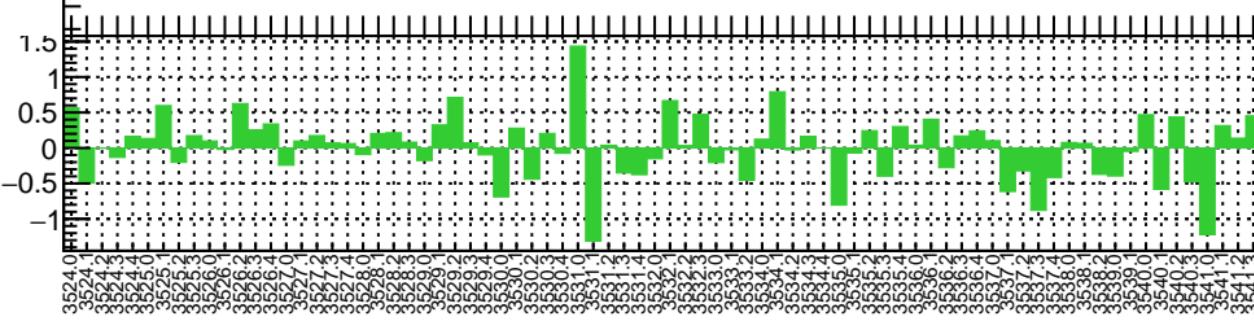
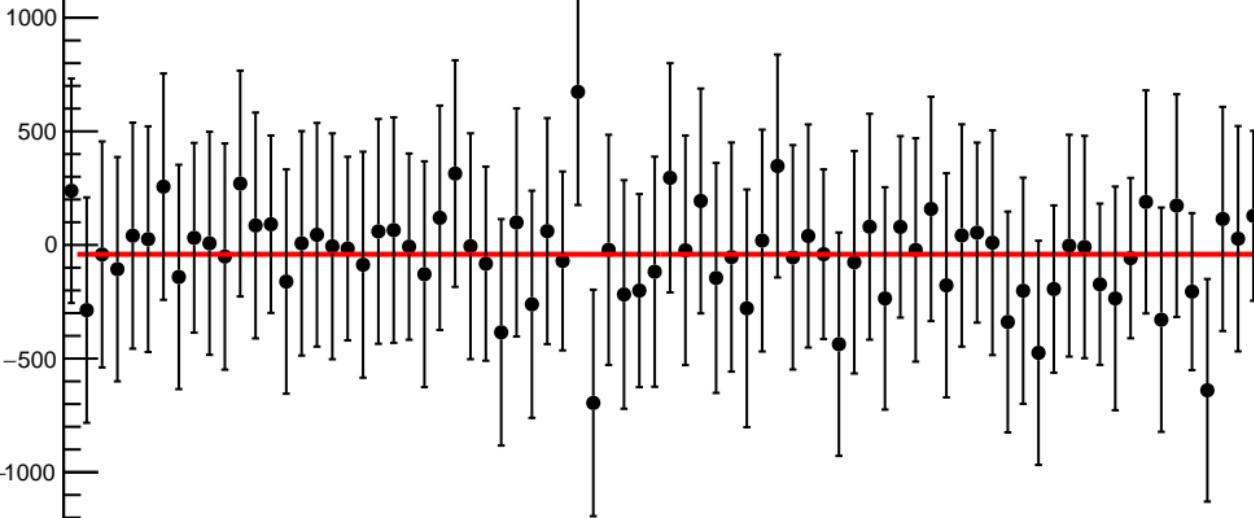
corr_Adet_bpm12X RMS (ppm)

RMS (ppm)

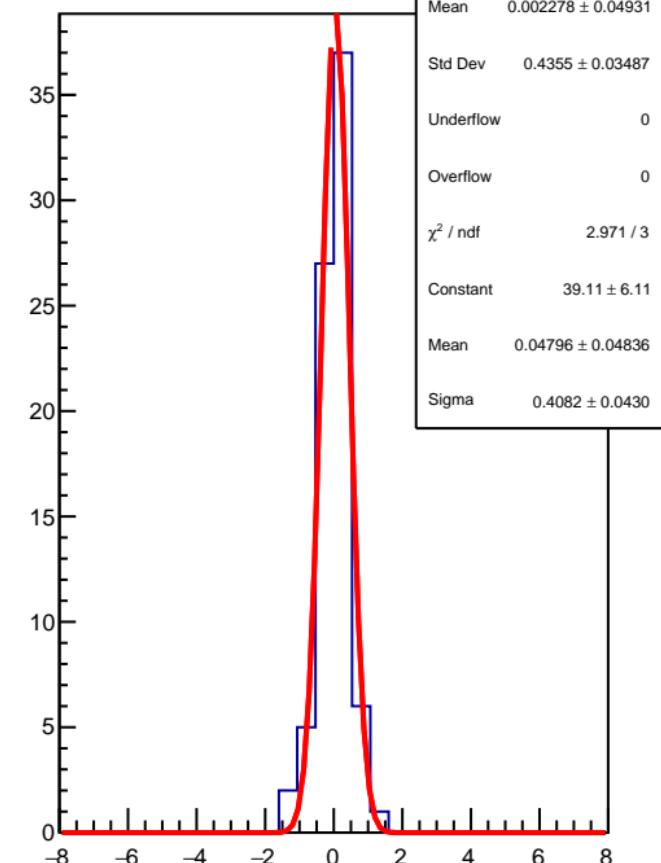


corr_Adet_bpm12Y (ppb)

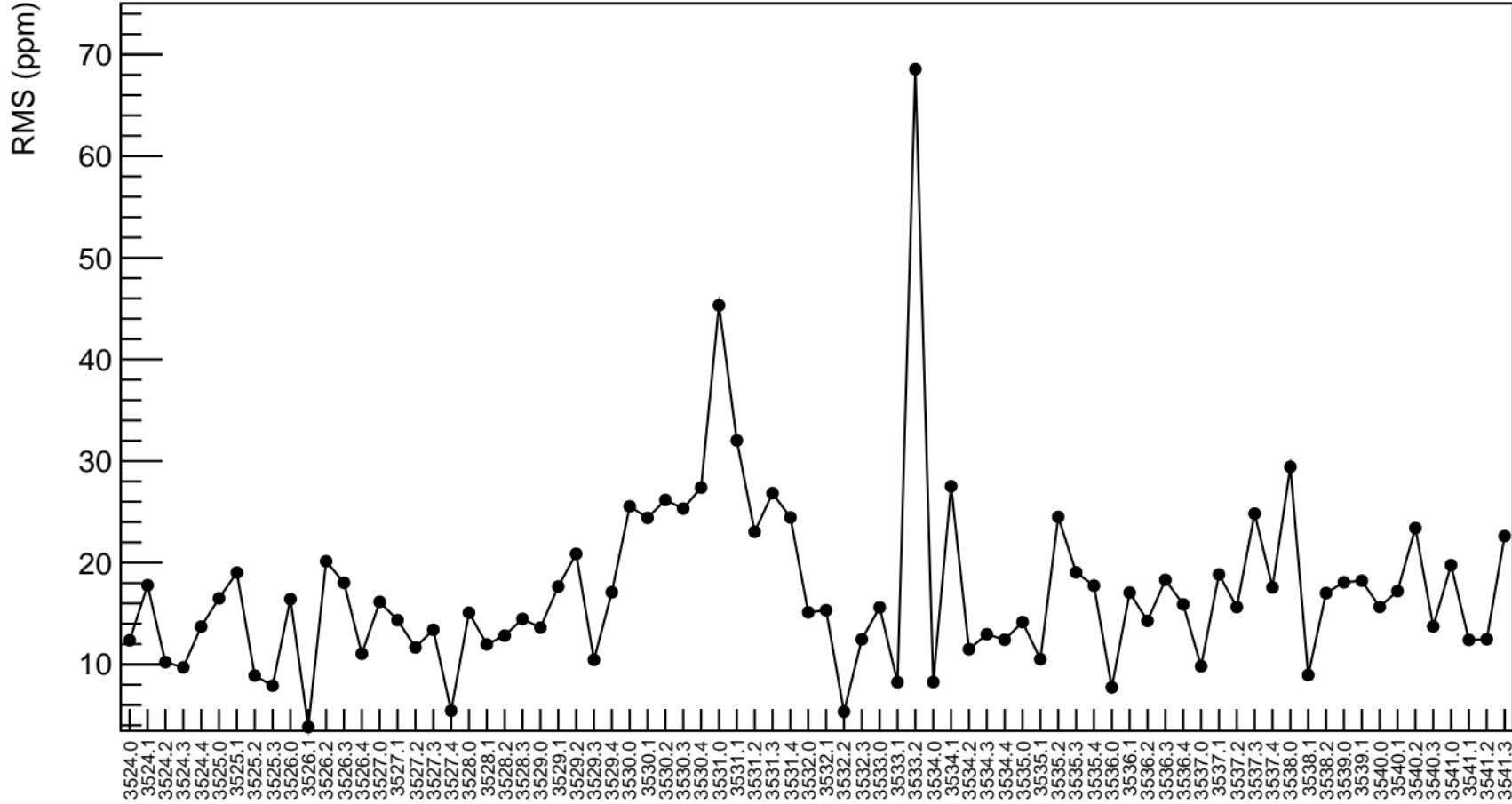
χ^2 / ndf 14.8 / 77
 p_0 -40.88 ± 52.93



1D pull distribution

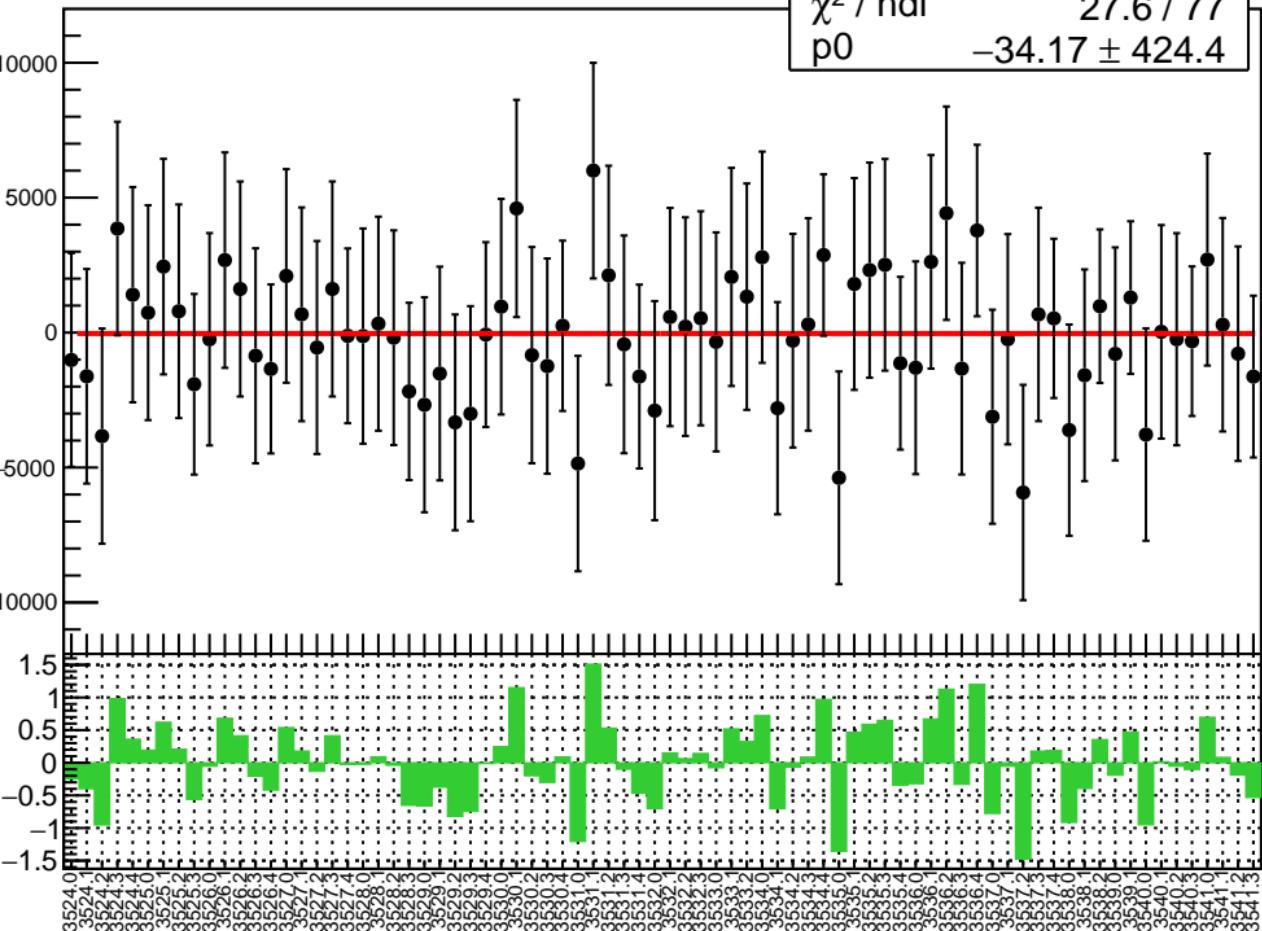


corr_Adet_bpm12Y RMS (ppm)



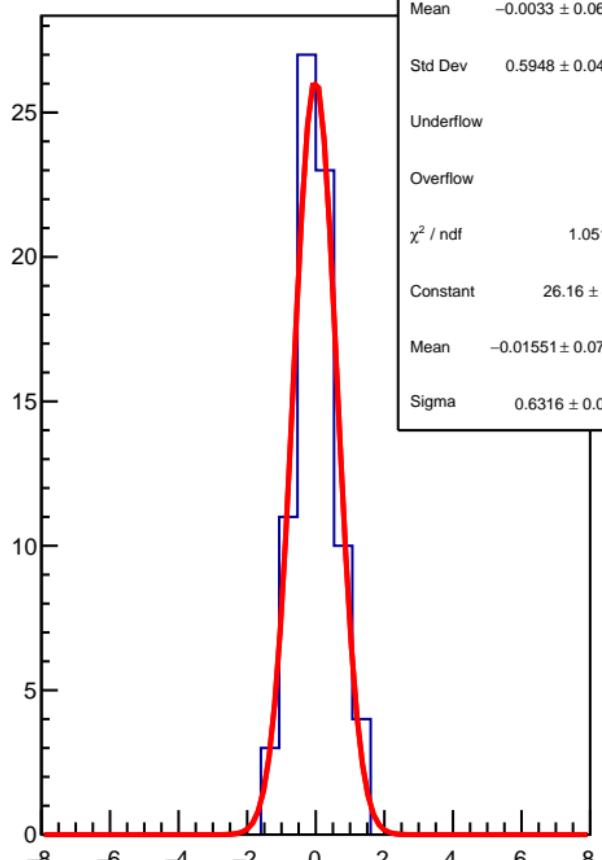
corr_Adet_bpm11X (ppb)

χ^2 / ndf 27.6 / 77
p0 -34.17 ± 424.4



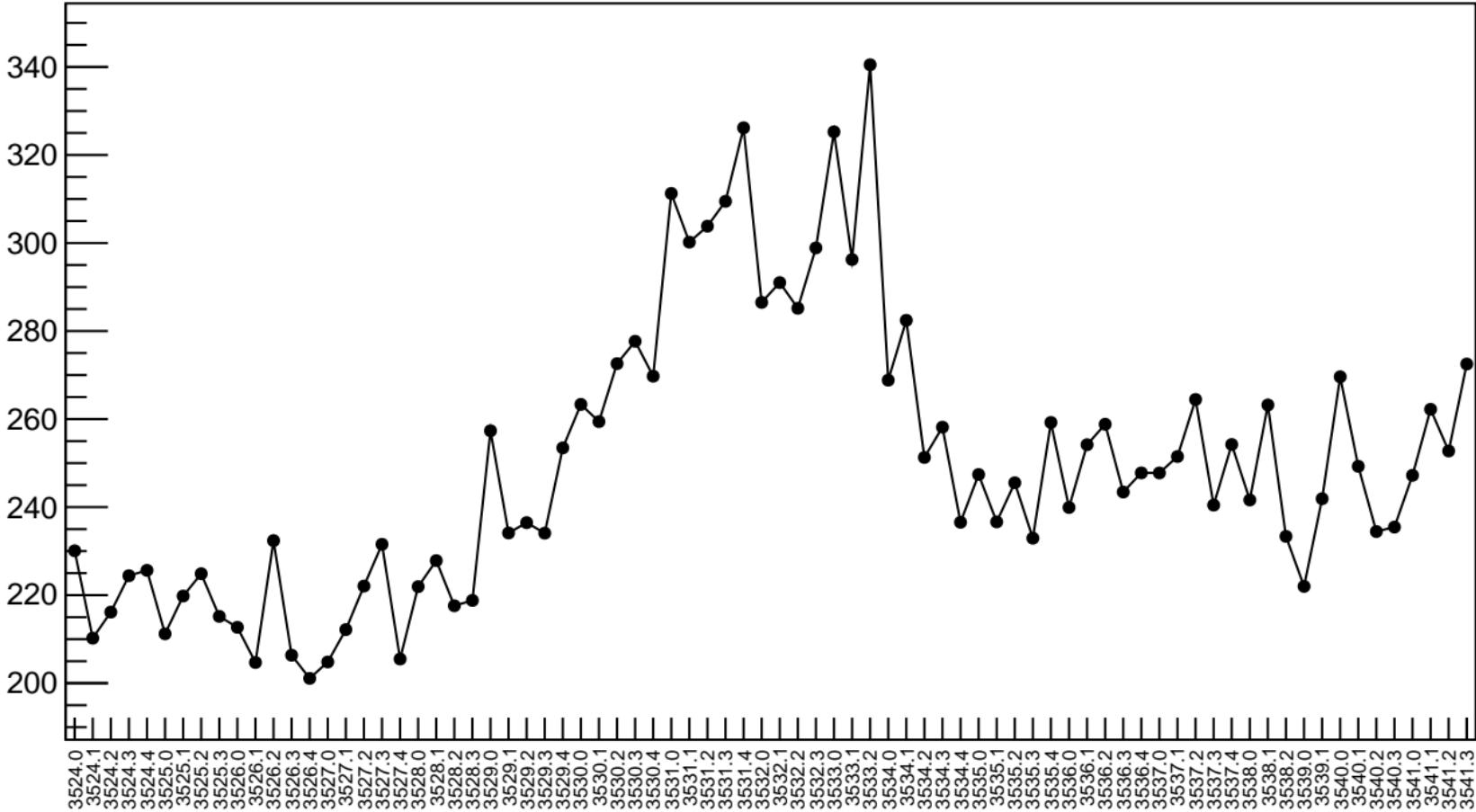
1D pull distribution

Mean -0.0033 ± 0.06735
Std Dev 0.5948 ± 0.04762
Underflow 0
Overflow 0
 χ^2 / ndf 1.051 / 3
Constant 26.16 ± 4.01
Mean -0.01551 ± 0.07595
Sigma 0.6316 ± 0.0700



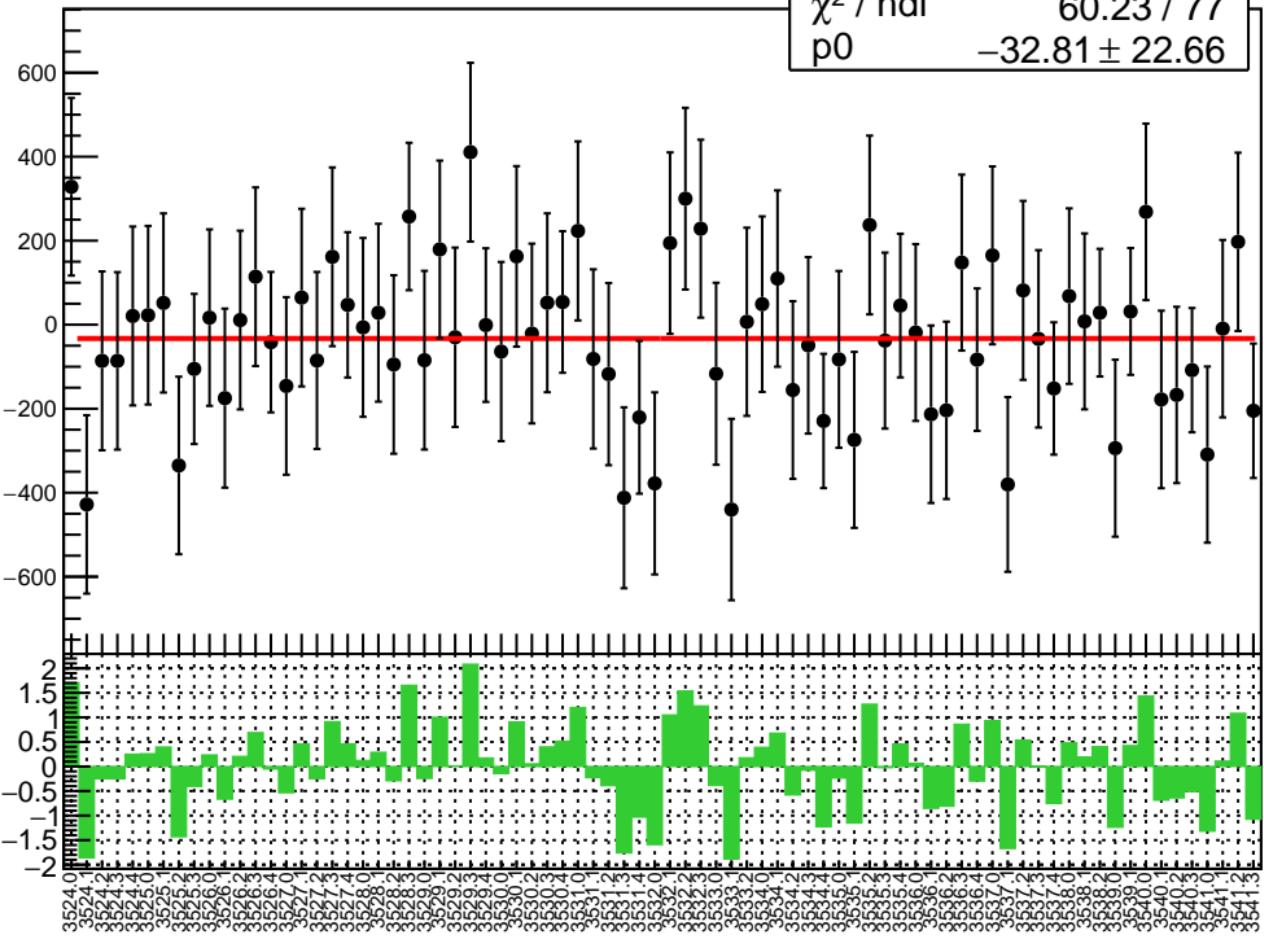
corr_Adet_bpm11X RMS (ppm)

RMS (ppm)

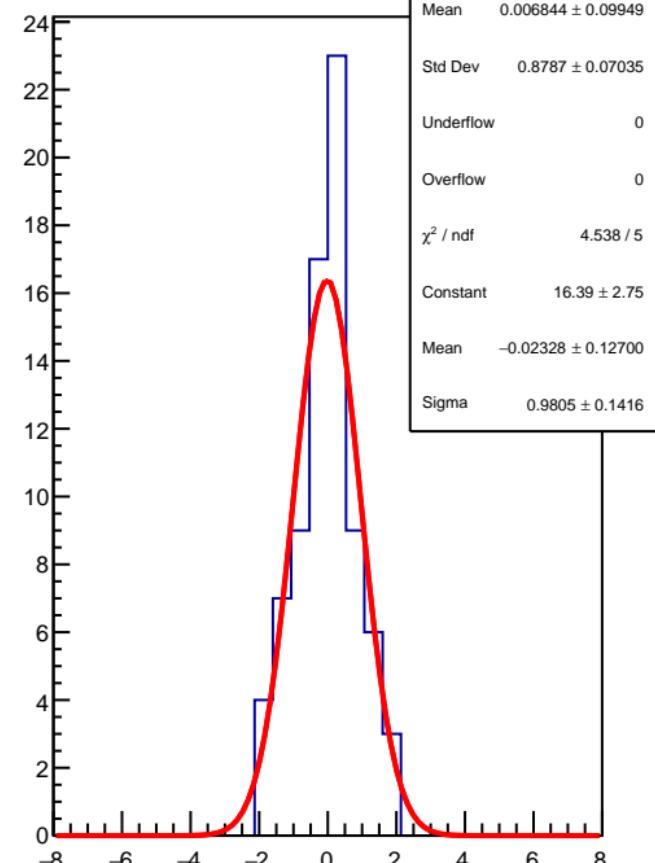


corr_Adet_bpm11Y (ppb)

χ^2 / ndf 60.23 / 77
 p_0 -32.81 ± 22.66

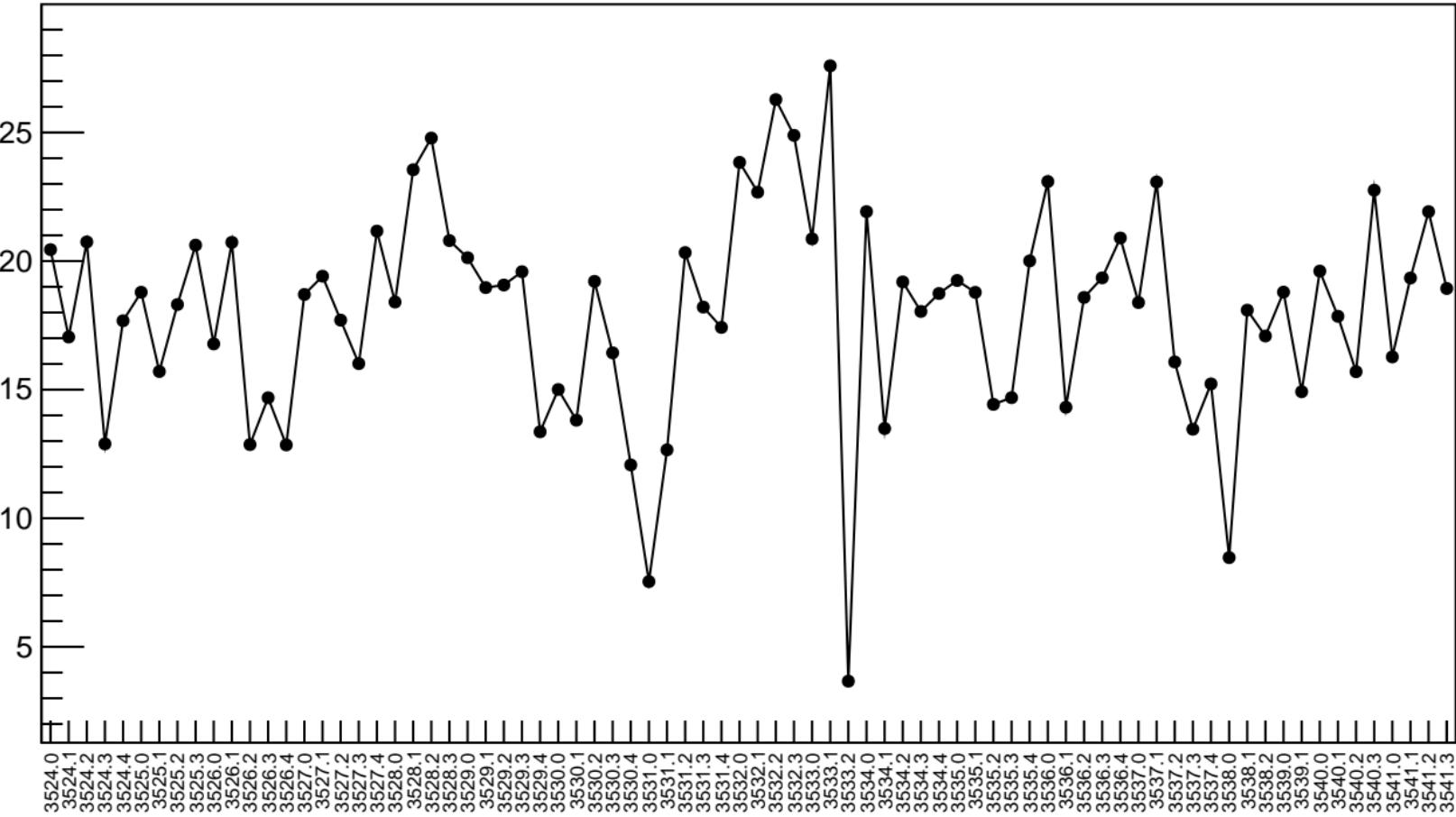


1D pull distribution

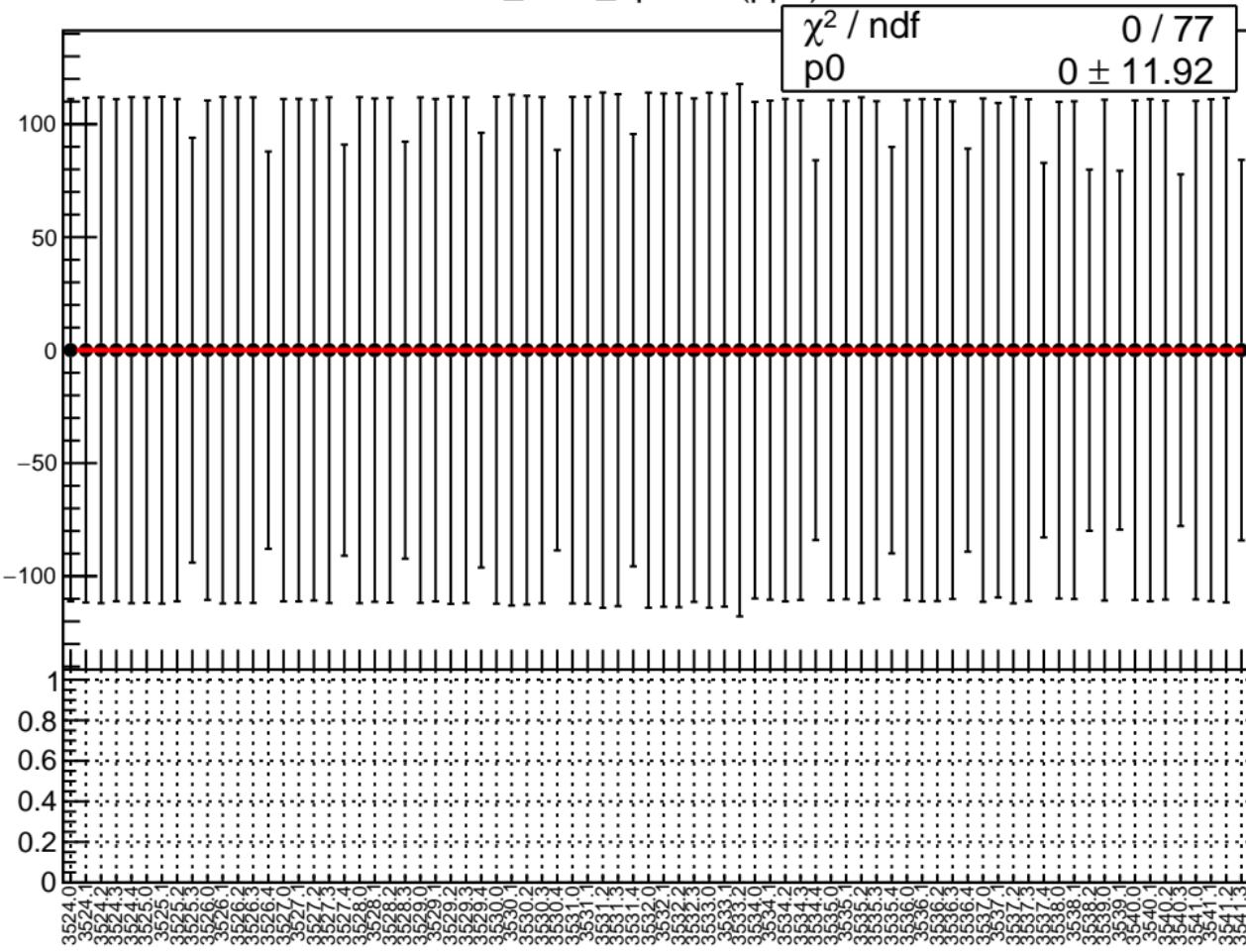


corr_Adet_bpm11Y RMS (ppm)

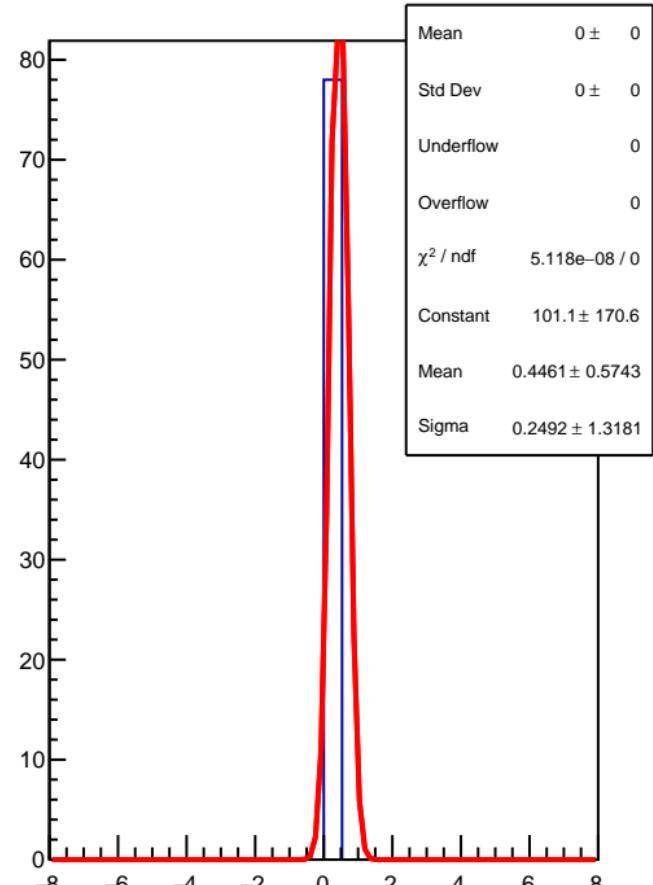
RMS (ppm)



corr_Adet_bpm8X (ppb)

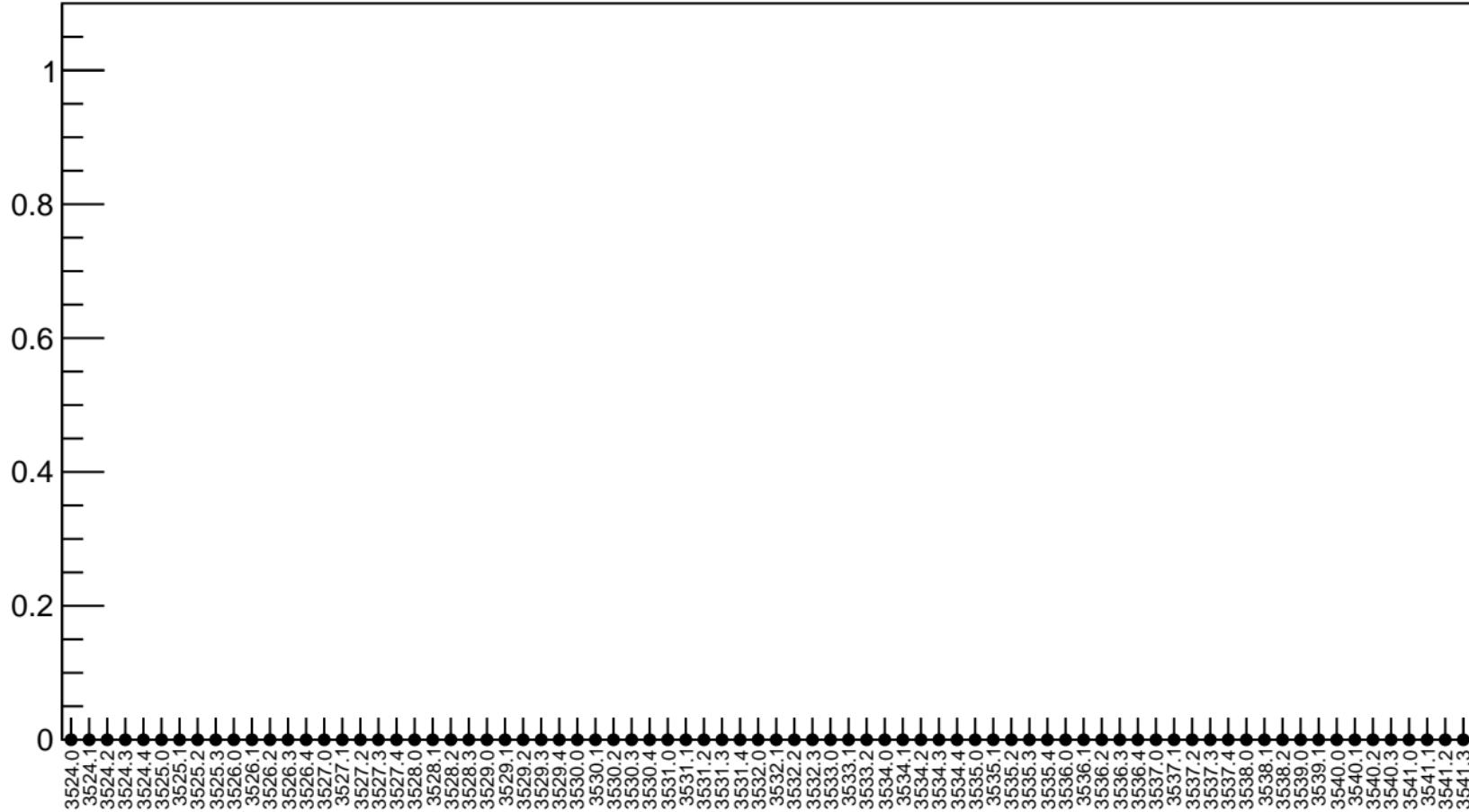


1D pull distribution

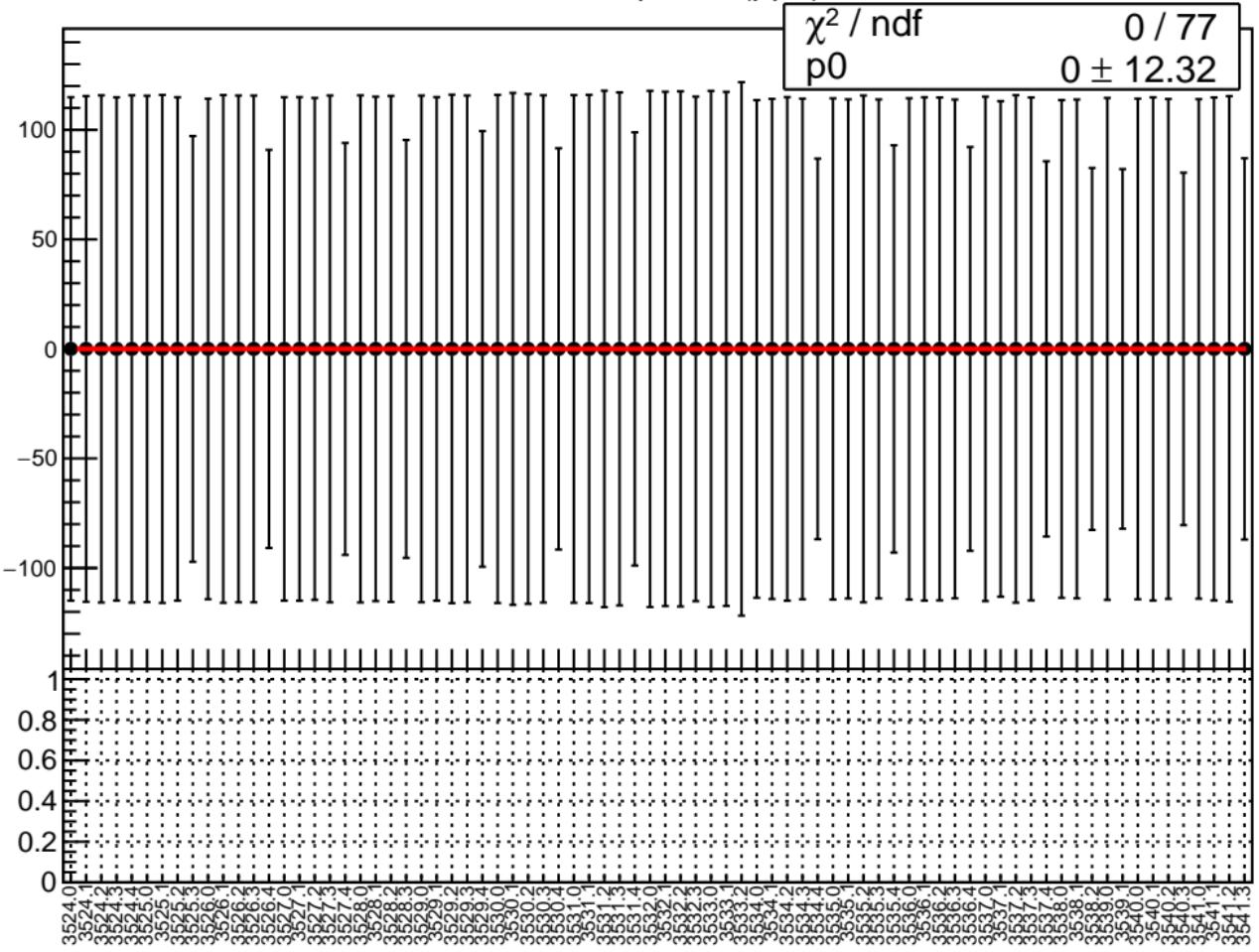


corr_Adet_bpm8X RMS (ppm)

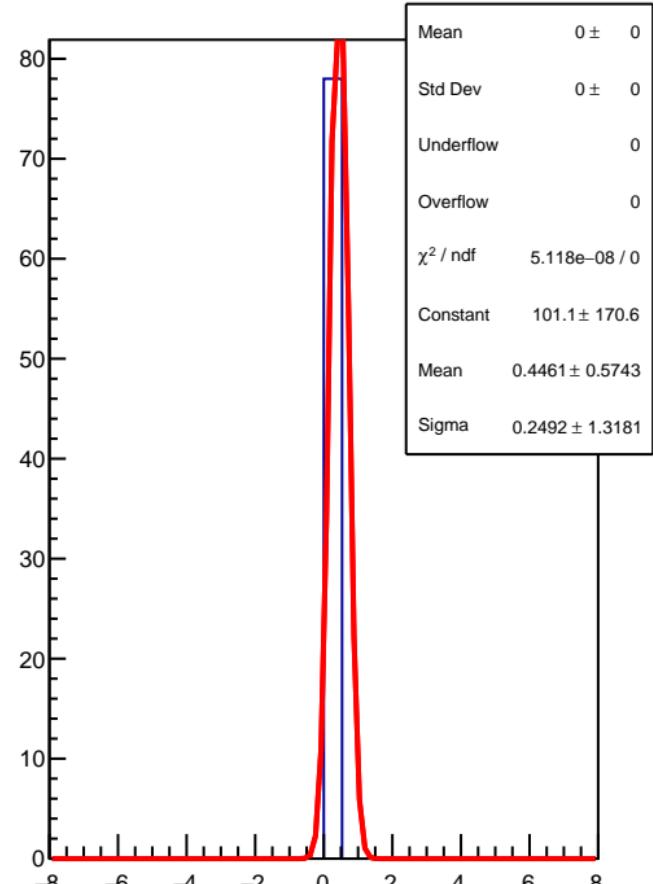
RMS (ppm)



corr_Adet_bpm8Y (ppb)

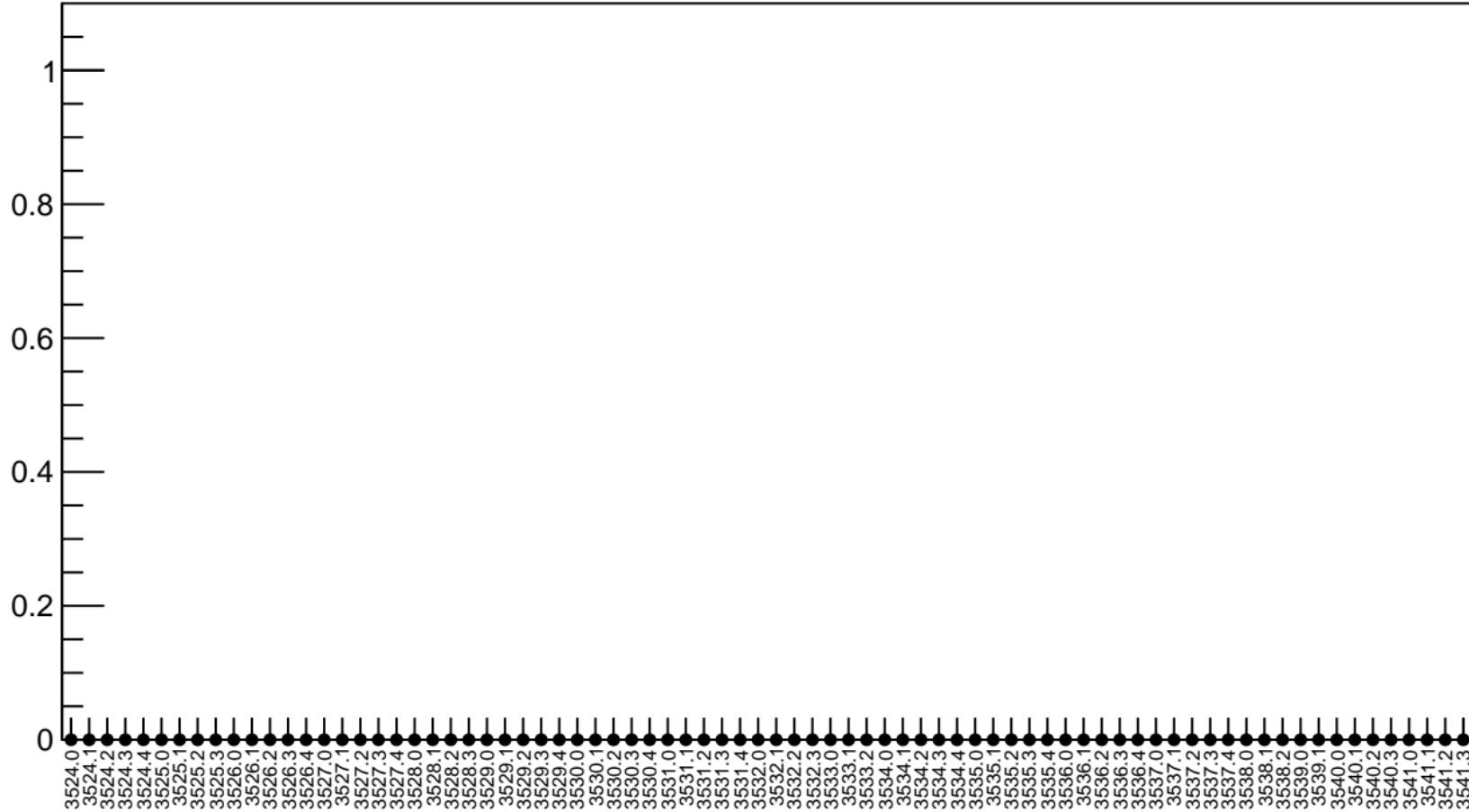


1D pull distribution



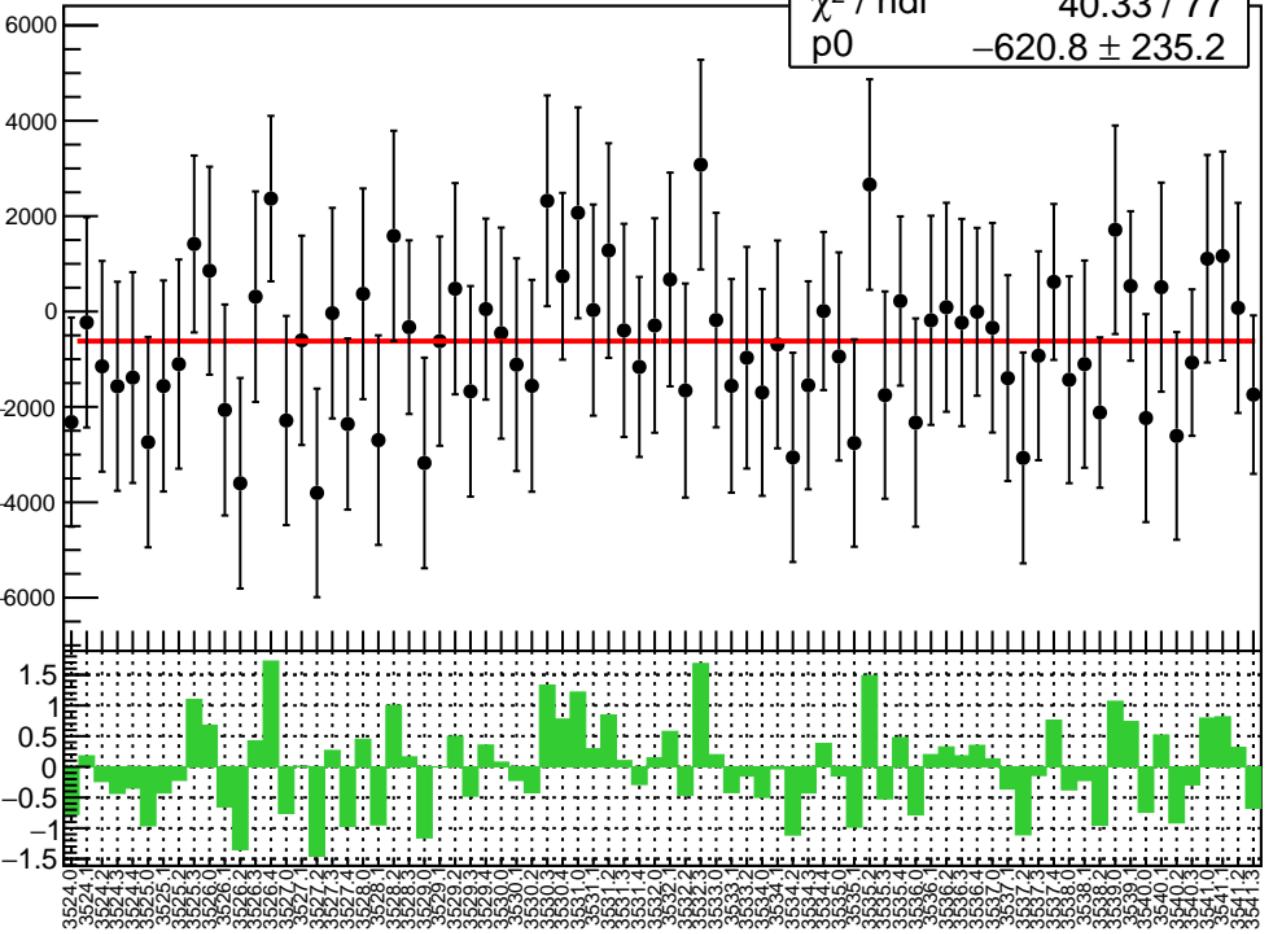
corr_Adet_bpm8Y RMS (ppm)

RMS (ppm)

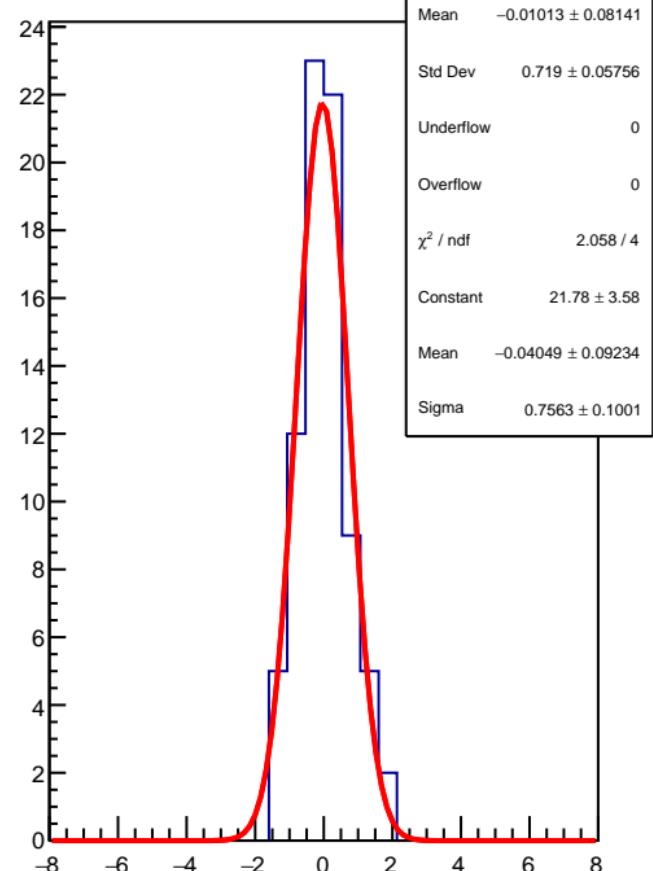


lagr_asym_usl (ppb)

χ^2 / ndf 40.33 / 77
 p_0 -620.8 ± 235.2

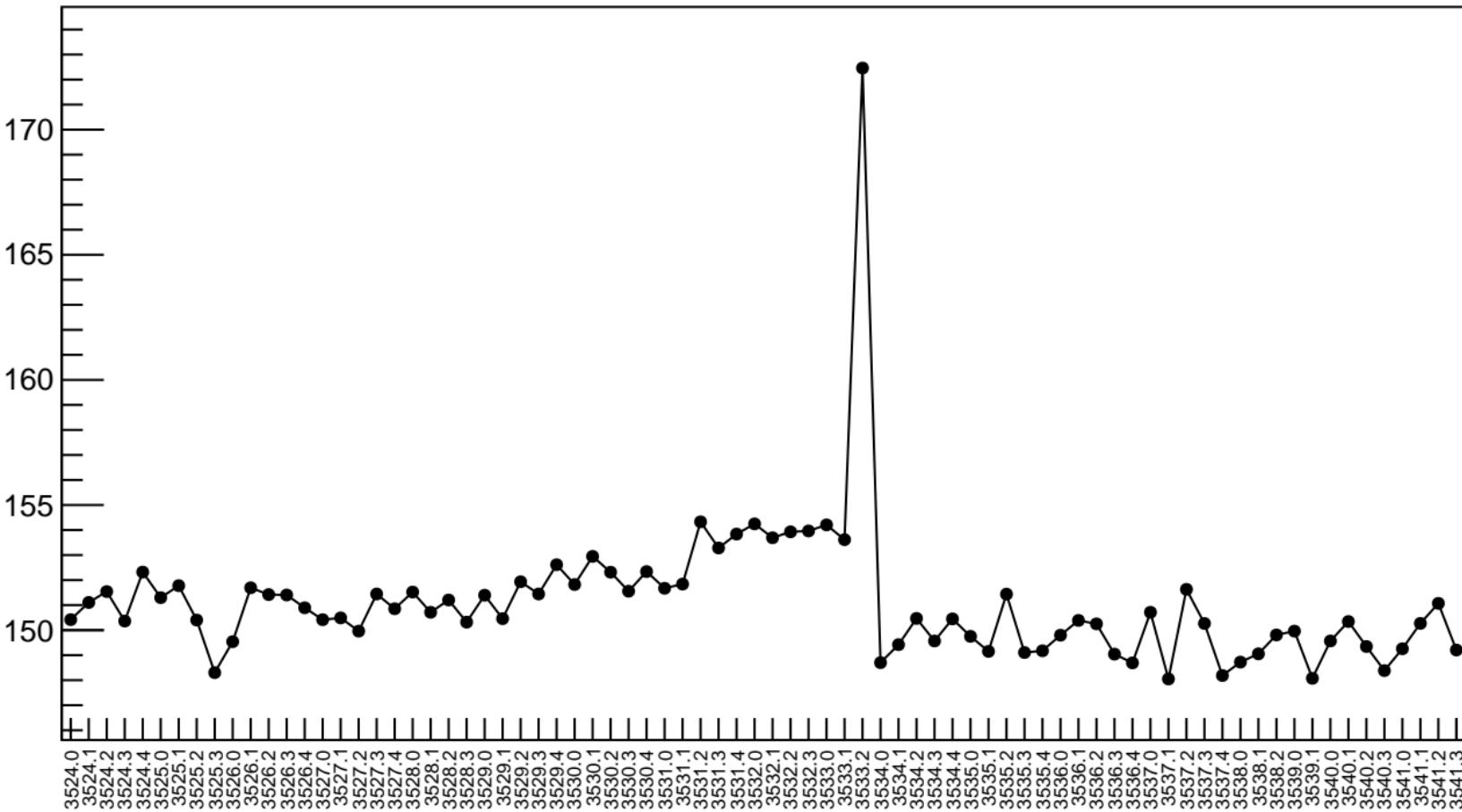


1D pull distribution



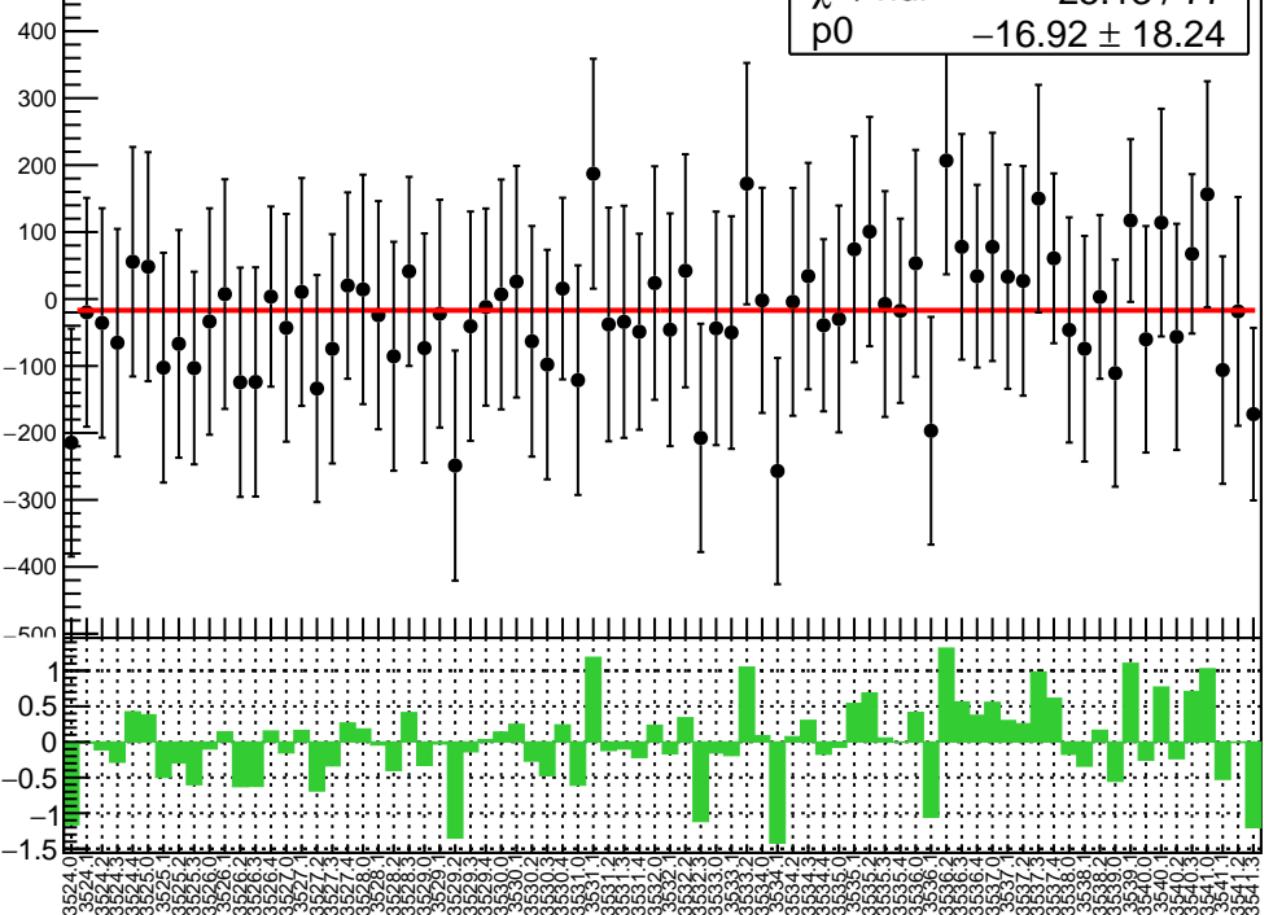
lagr_asym_usl RMS (ppm)

RMS (ppm)

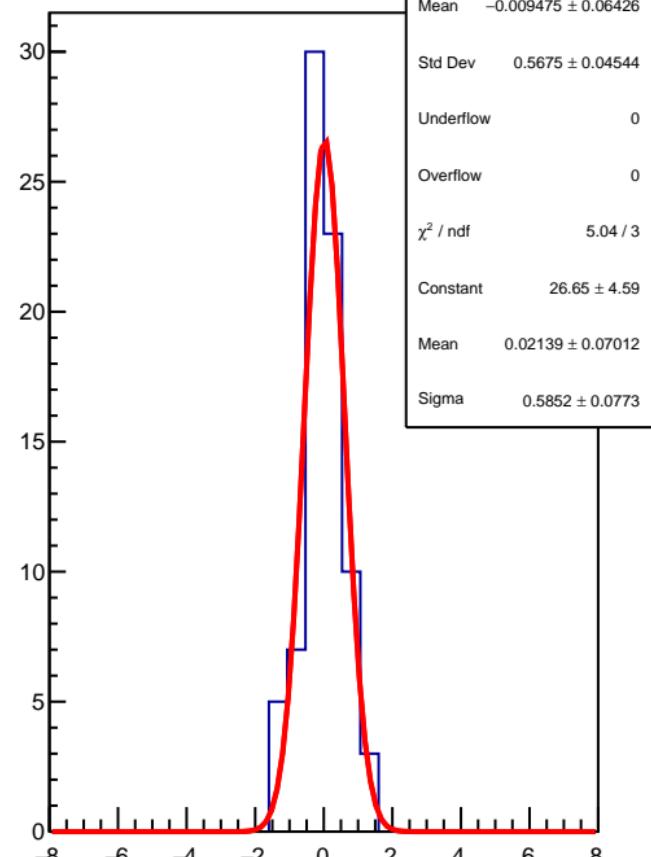


diff_bpm4eX (nm)

χ^2 / ndf 25.13 / 77
p0 -16.92 ± 18.24

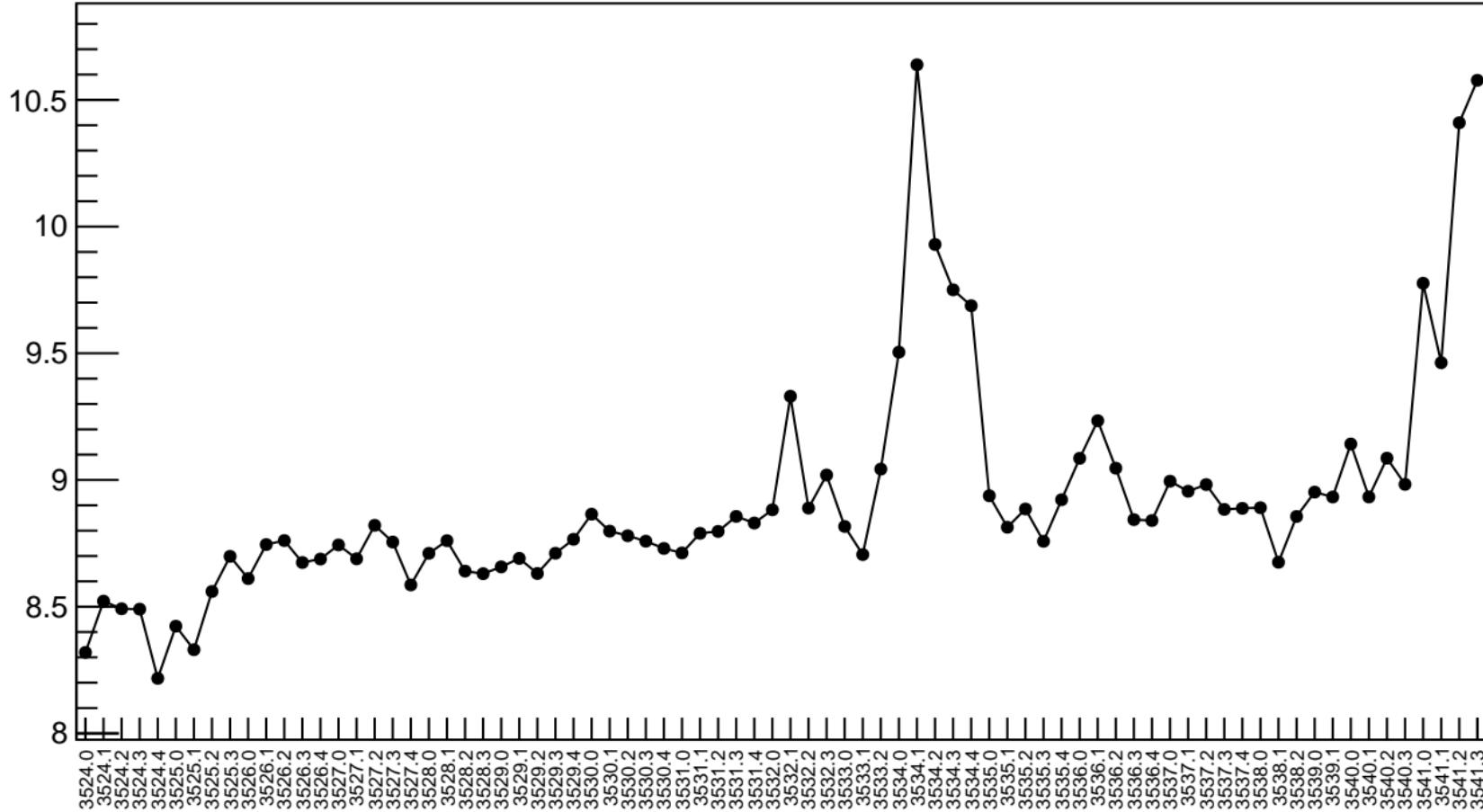


1D pull distribution



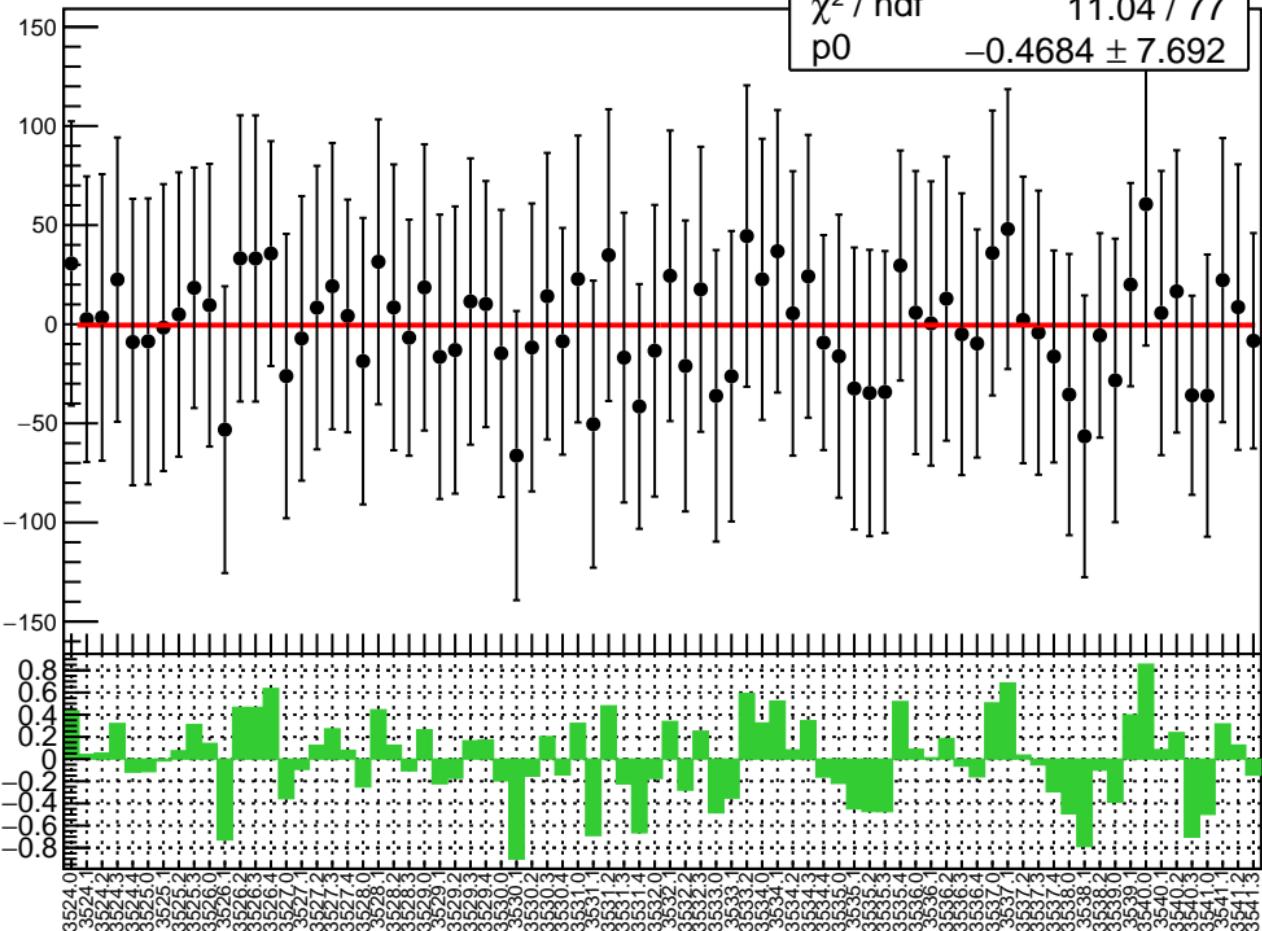
diff_bpm4eX RMS (um)

RMS (um)

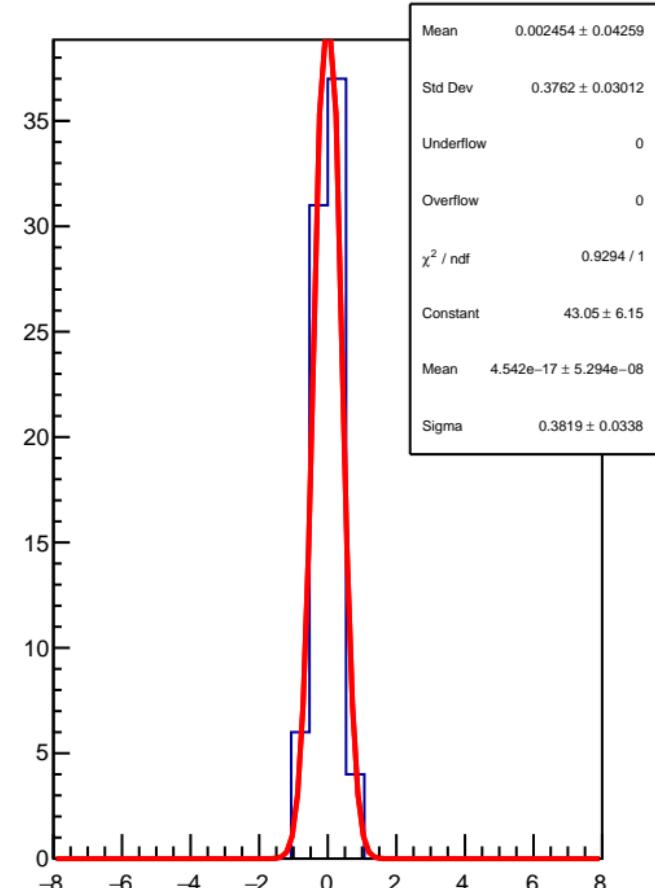


diff_bpm4eY (nm)

χ^2 / ndf 11.04 / 77
p0 -0.4684 ± 7.692

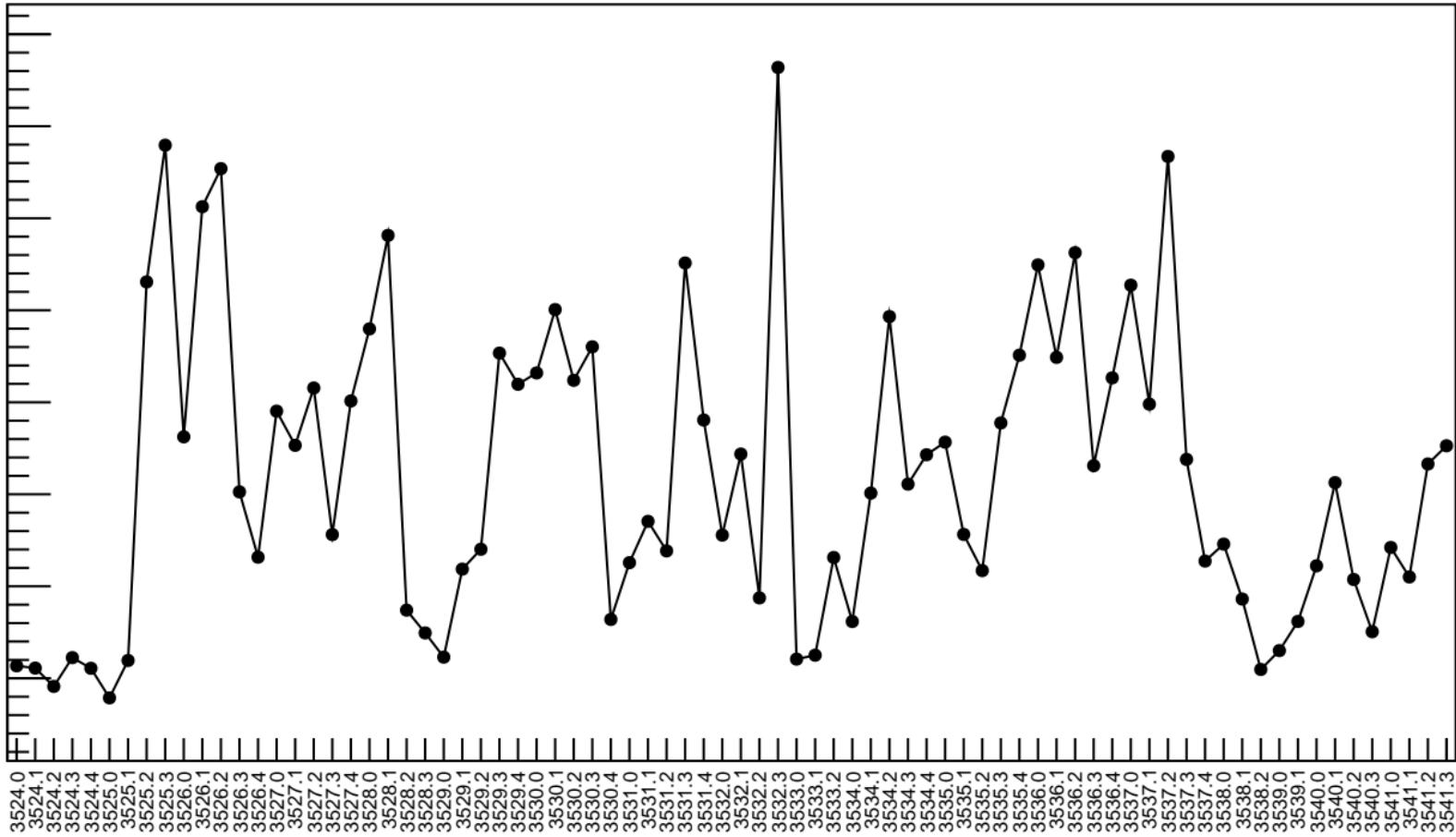


1D pull distribution

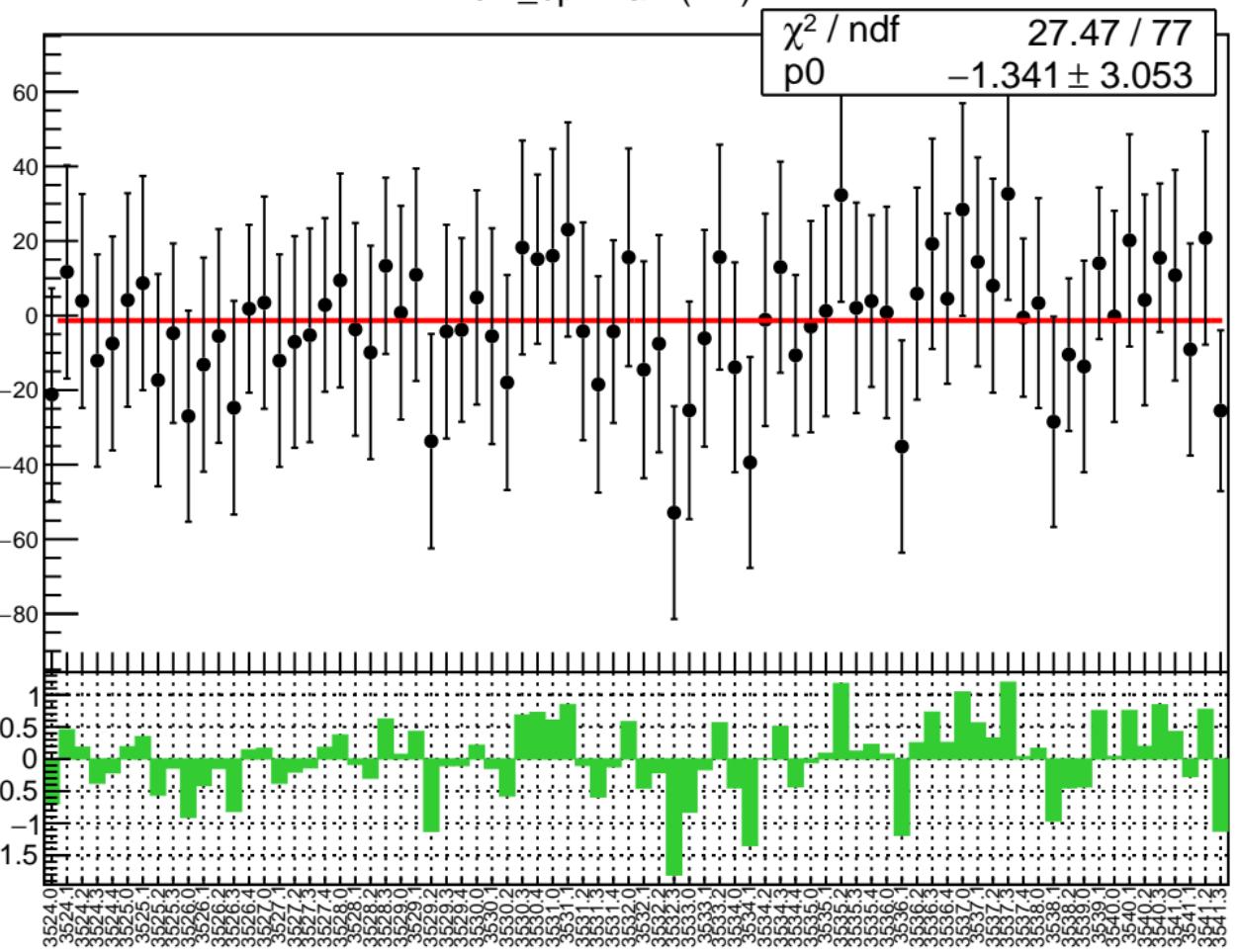


diff_bpm4eY RMS (um)

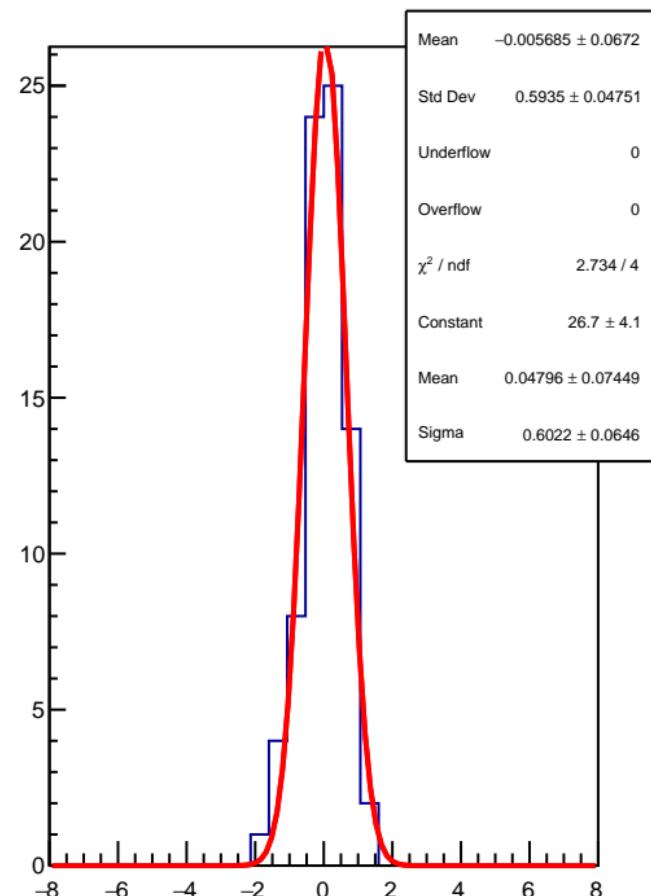
RMS (um)



diff_bpm4aX (nm)



1D pull distribution

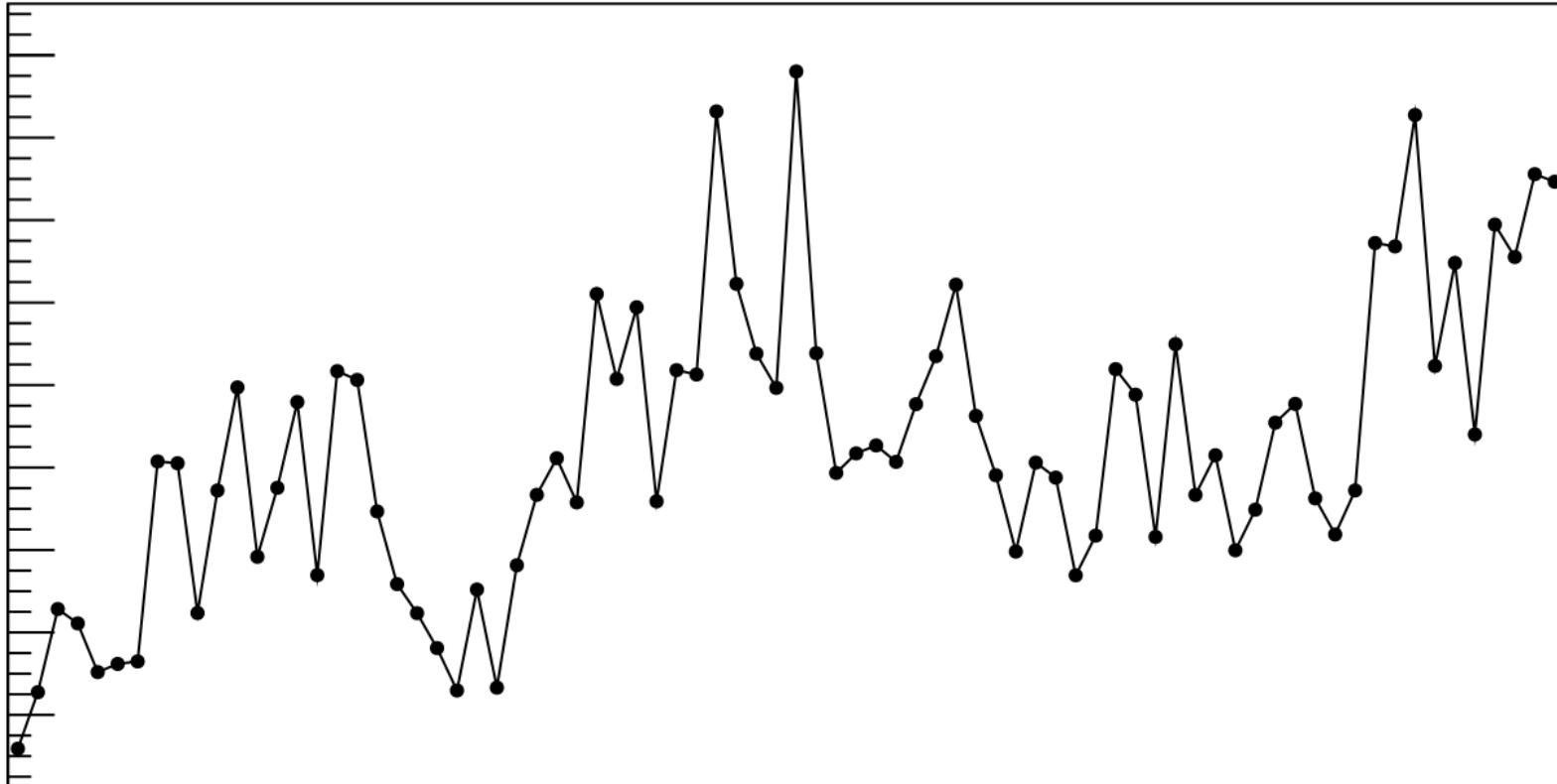


diff_bpm4aX RMS (um)

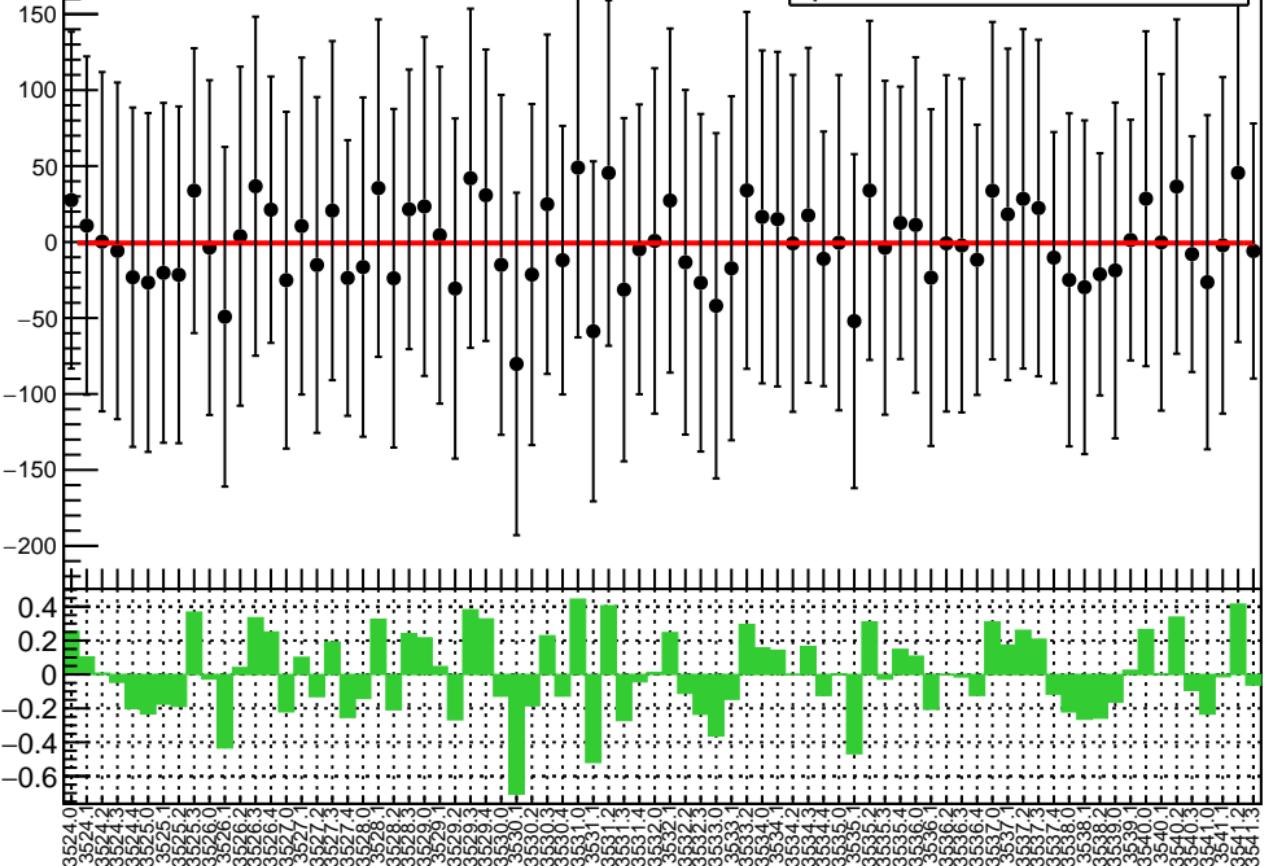
RMS (um)

1.68
1.66
1.64
1.62
1.60
1.58
1.56
1.54
1.52

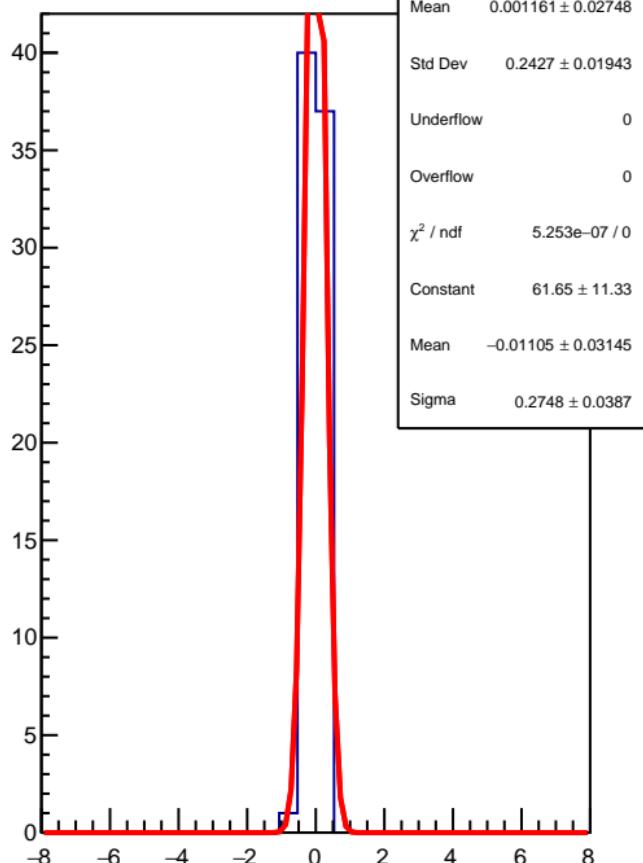
3524.0
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3524.2
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3525.0
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3541.0
3541.1
3541.2
3541.3



diff_bpm4aY (nm)

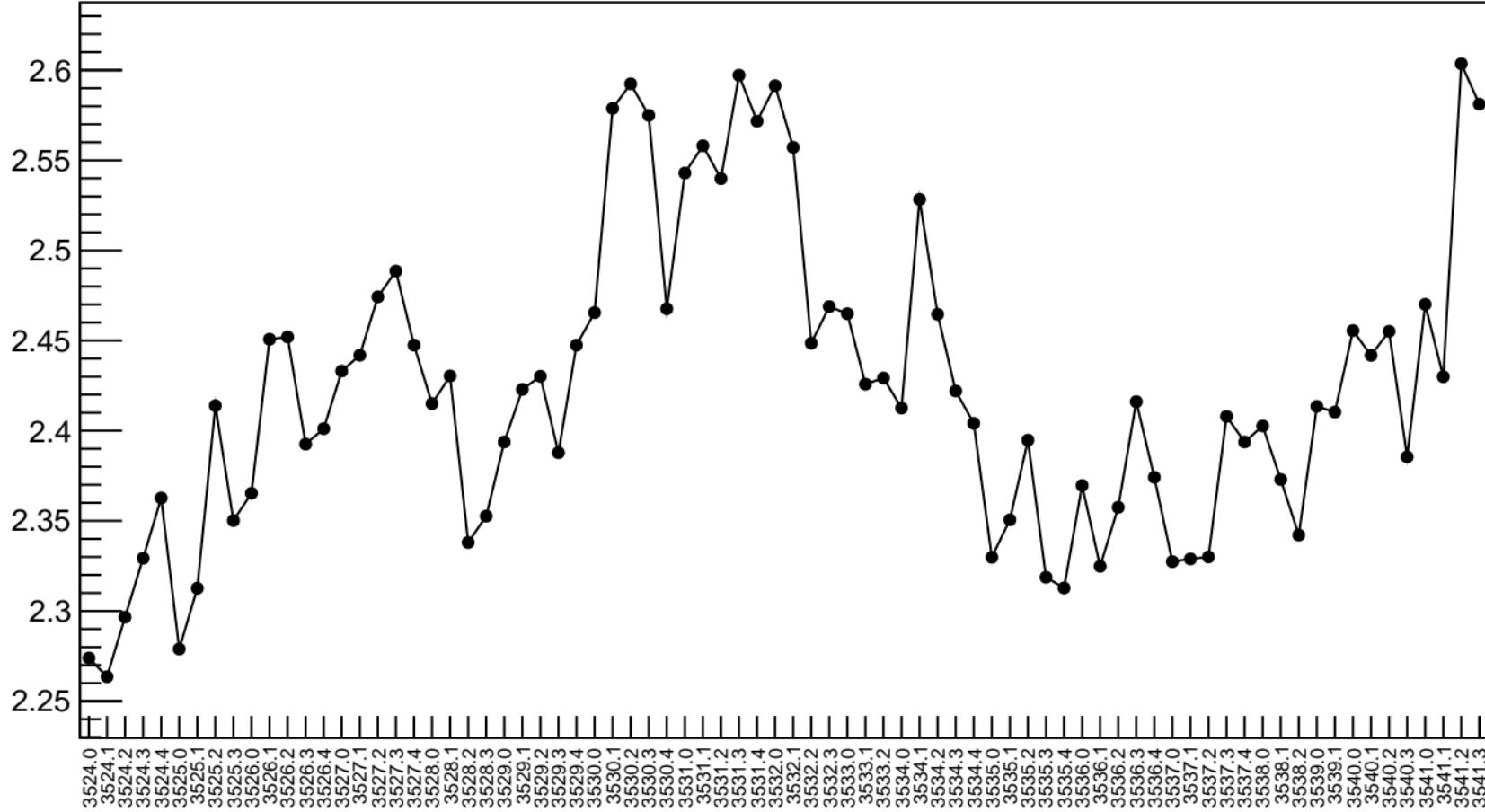
 χ^2 / ndf
 $4.595 / 77$
 p_0
 -0.6636 ± 11.88


1D pull distribution

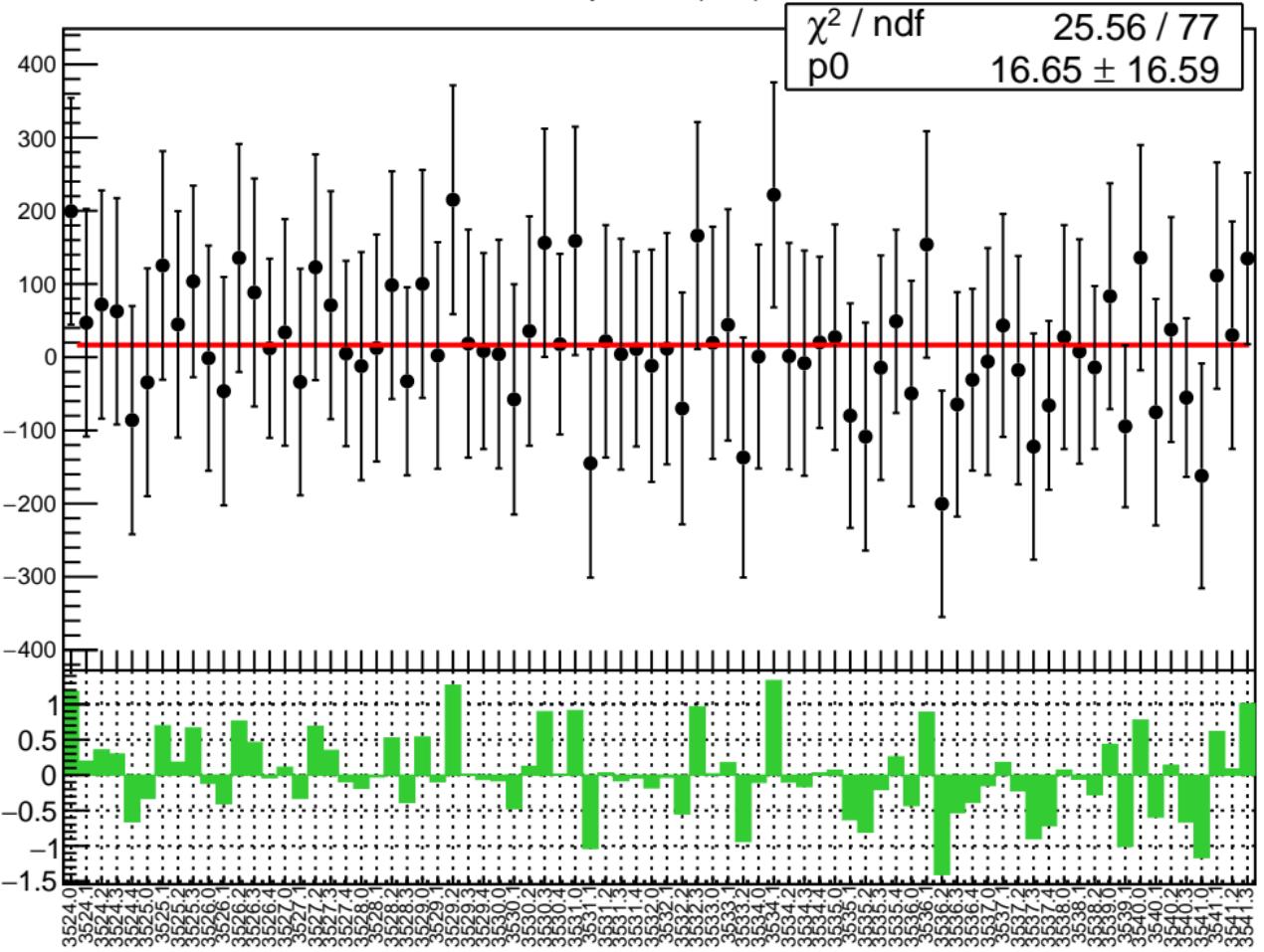


diff_bpm4aY RMS (um)

RMS (um)

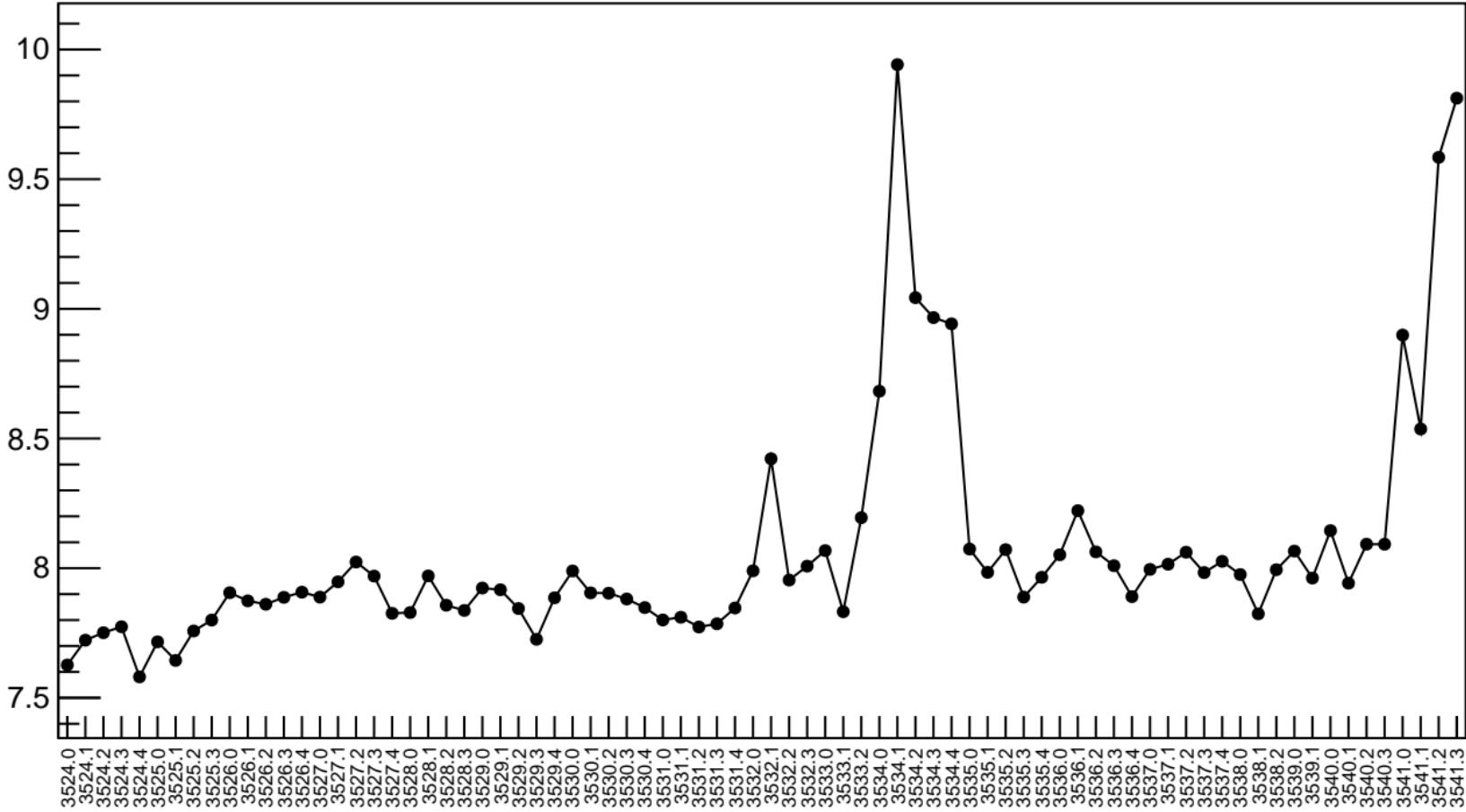


diff_bpm1X (nm)



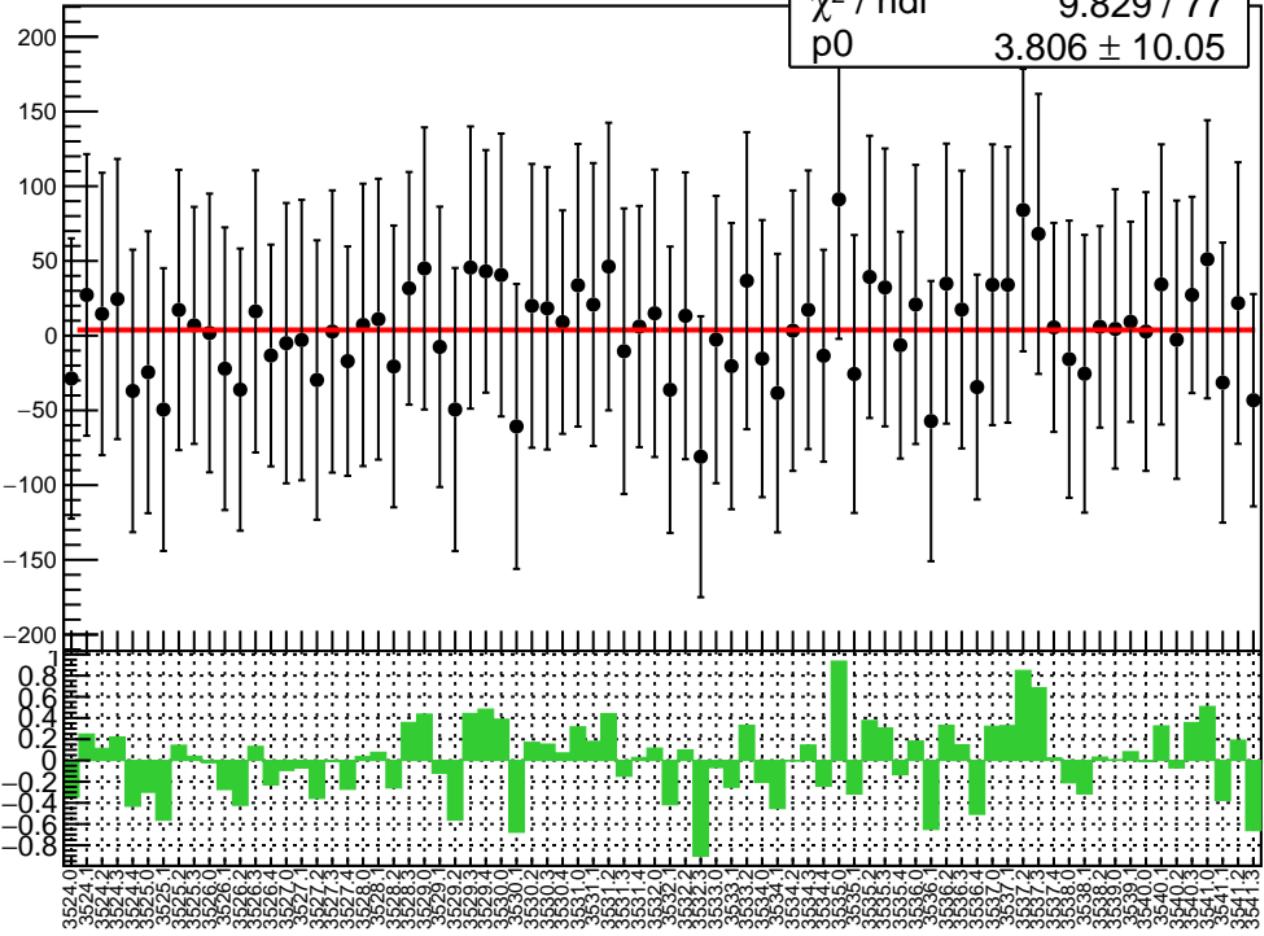
diff_bpm1X RMS (um)

RMS (um)

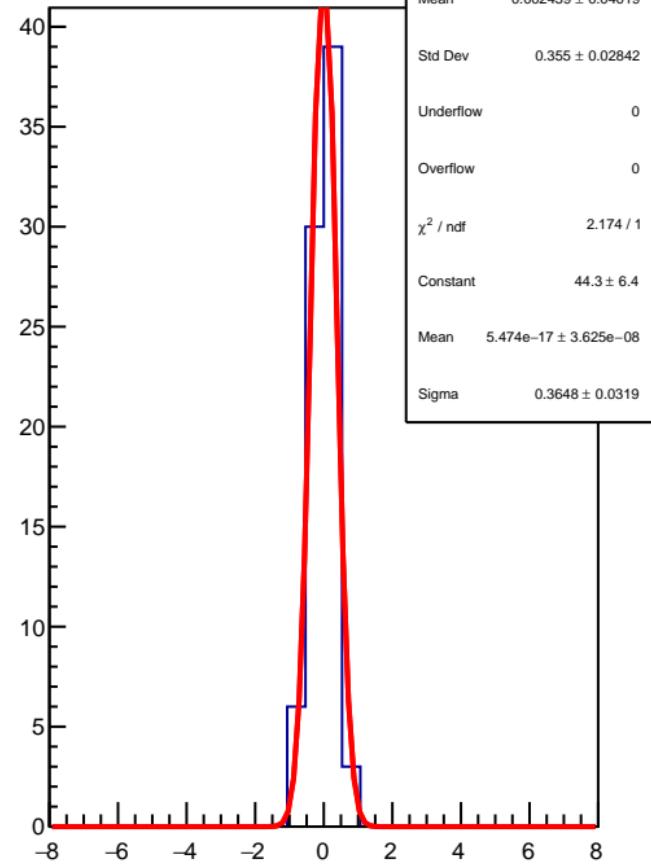


diff_bpm1Y (nm)

χ^2 / ndf 9.829 / 77
p0 3.806 ± 10.05

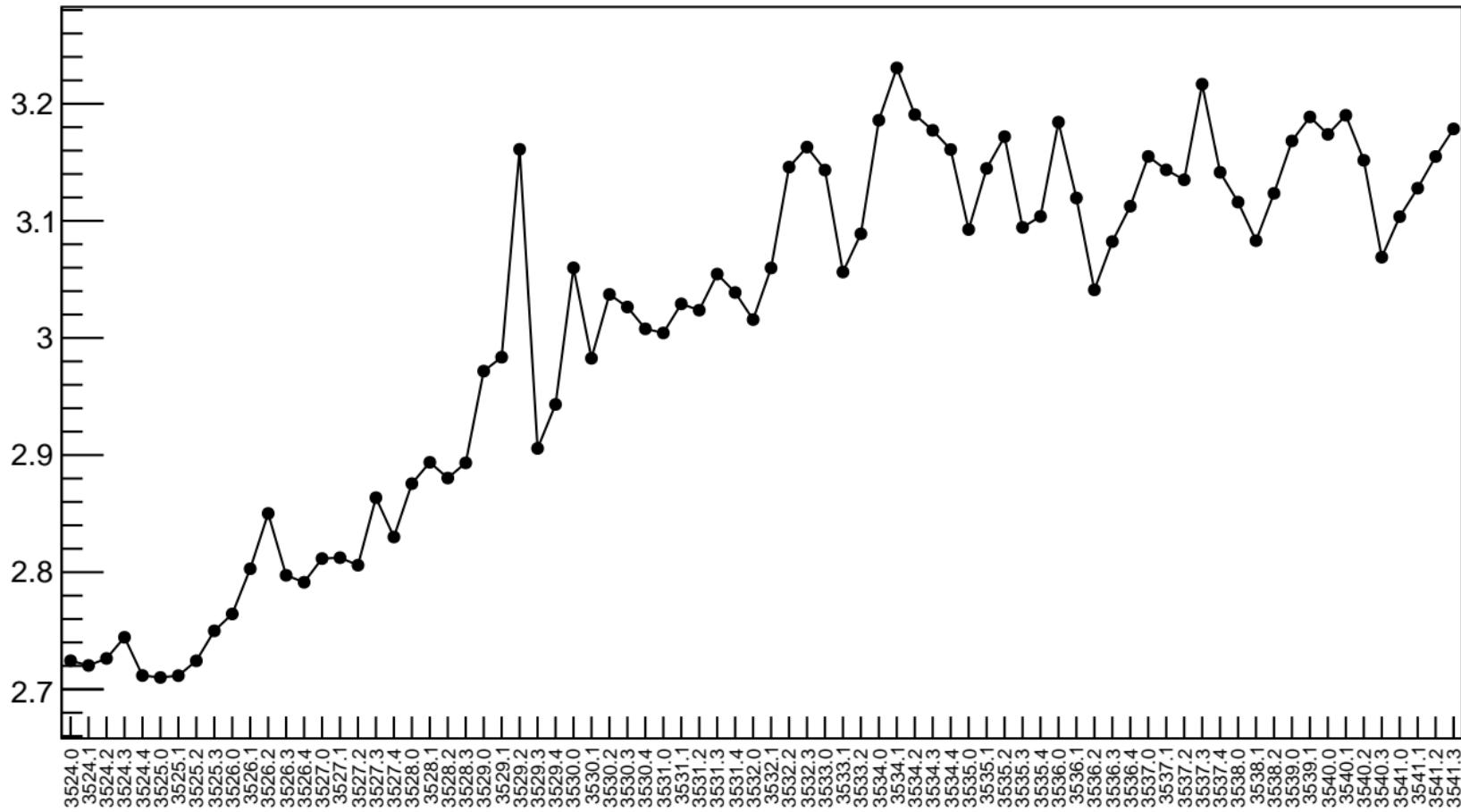


1D pull distribution



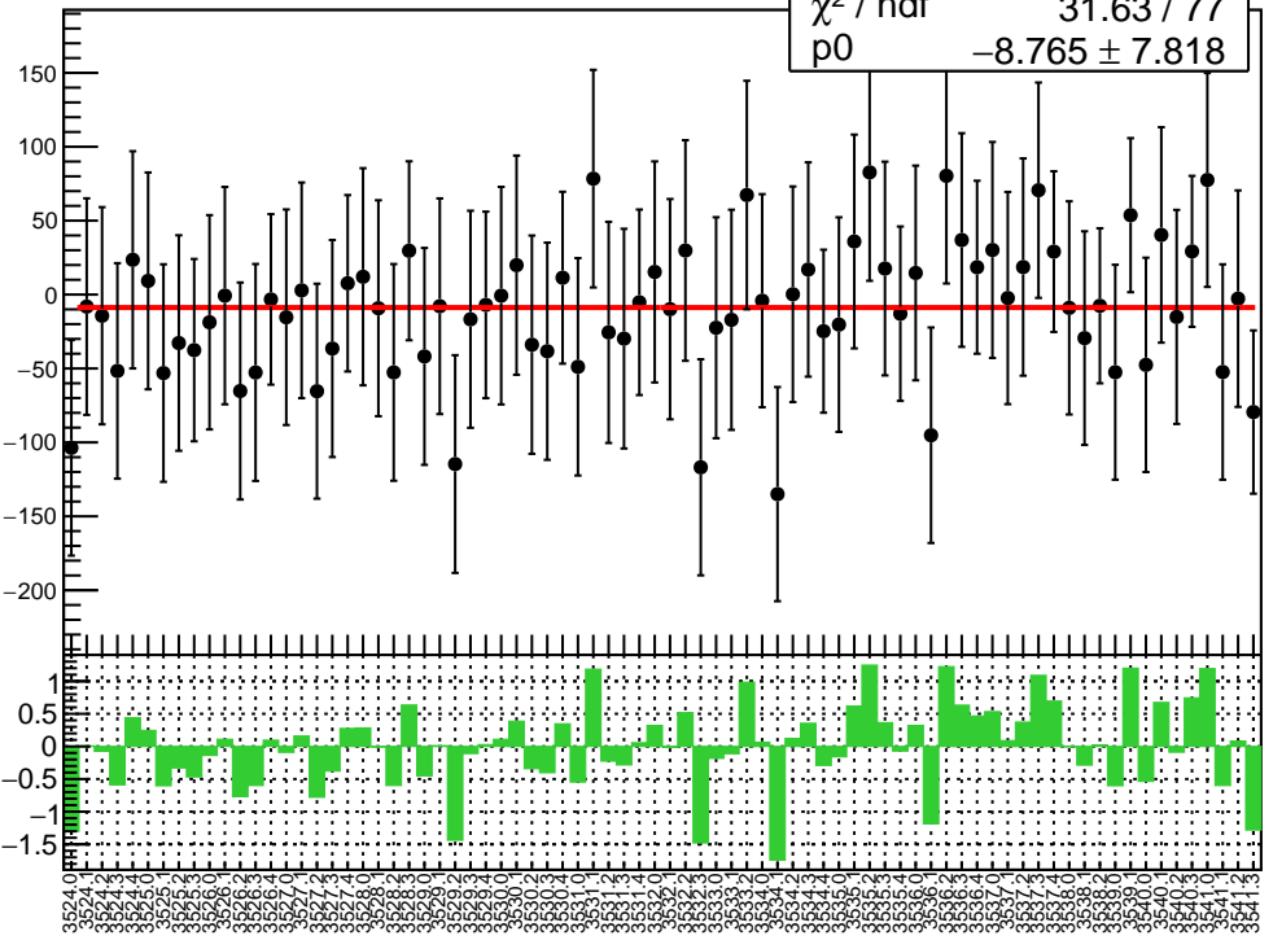
diff_bpm1Y RMS (um)

RMS (um)

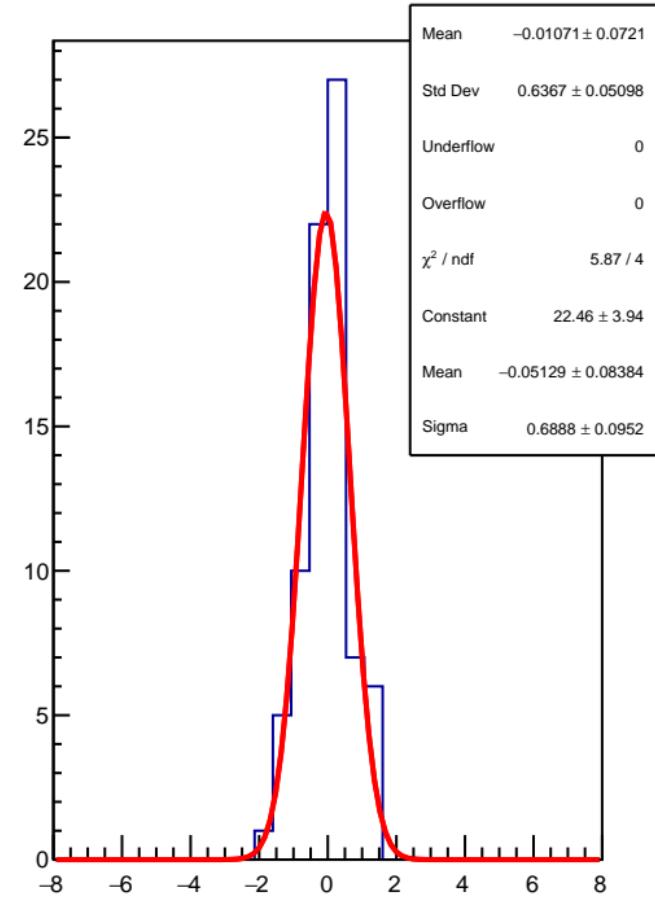


diff_bpm16X (nm)

χ^2 / ndf 31.63 / 77
 p_0 -8.765 ± 7.818

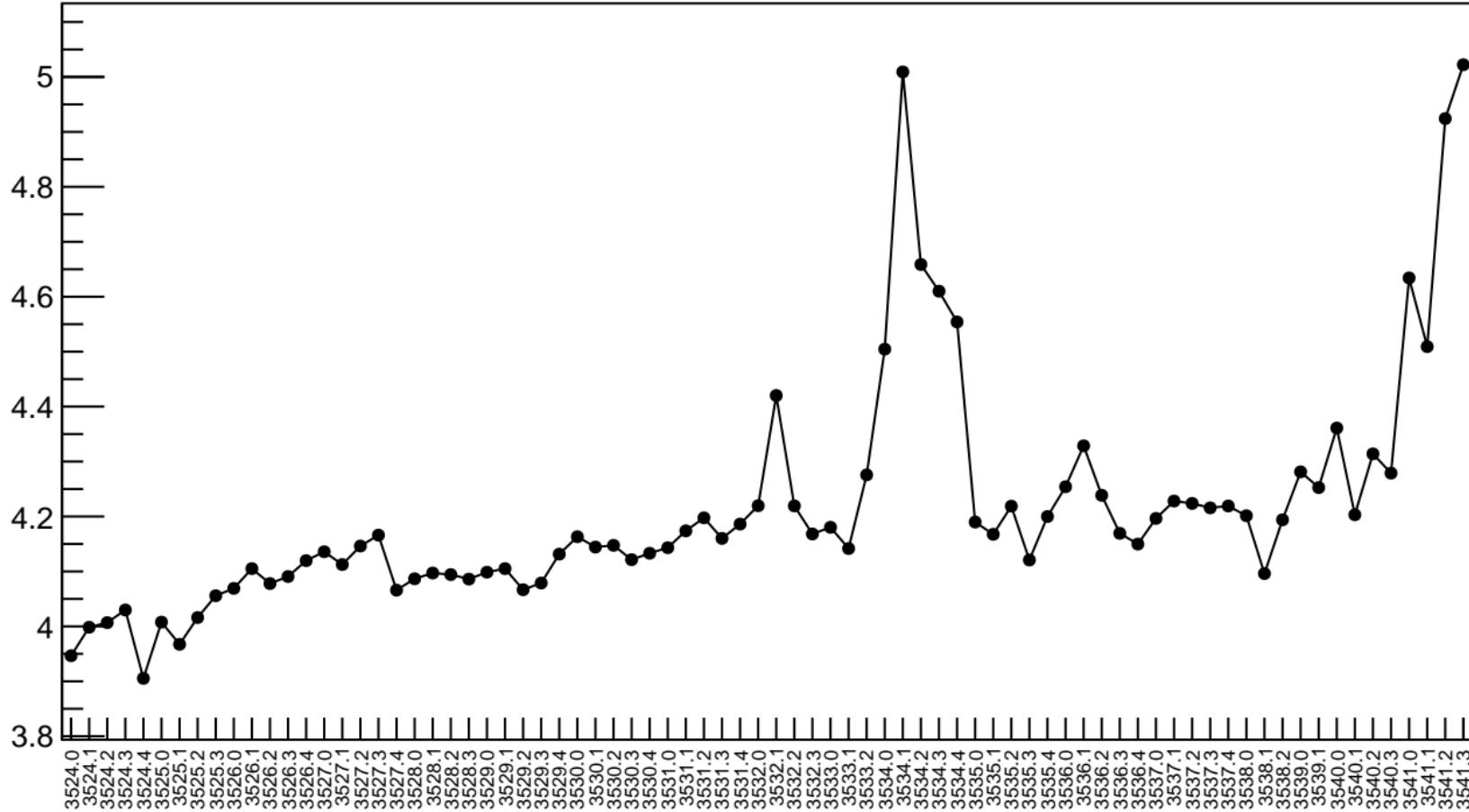


1D pull distribution

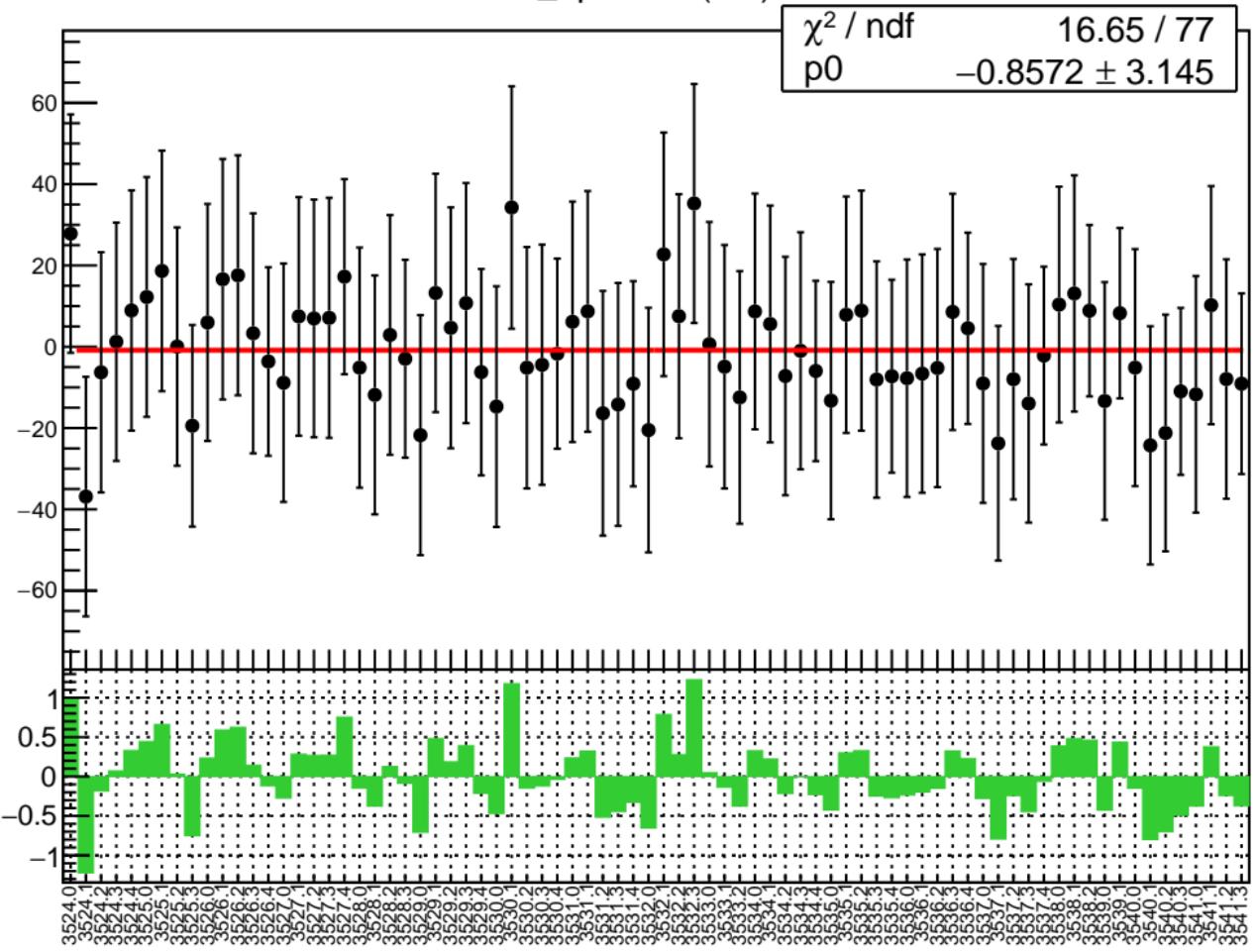


diff_bpm16X RMS (um)

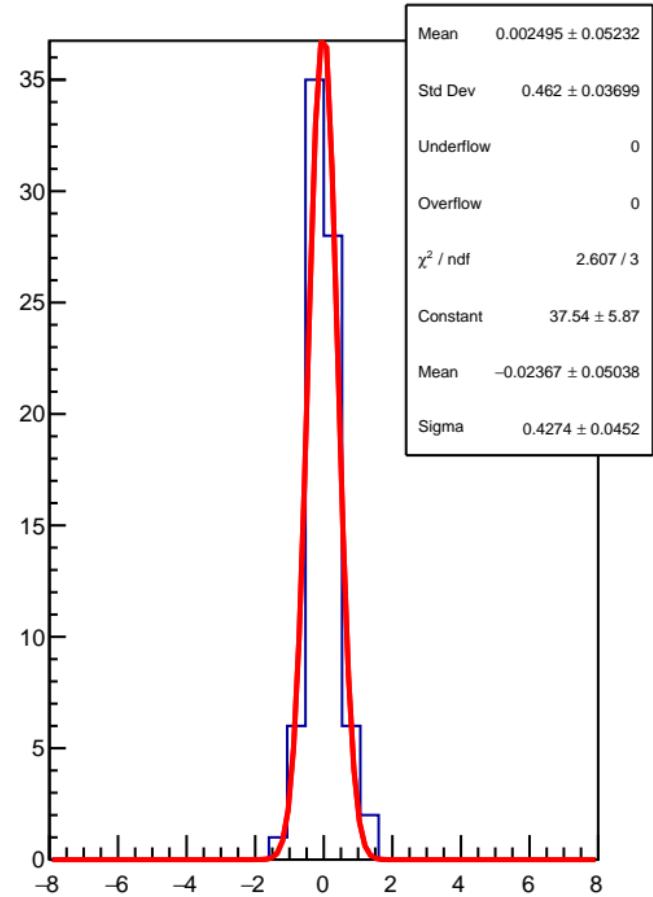
RMS (um)



diff_bpm16Y (nm)

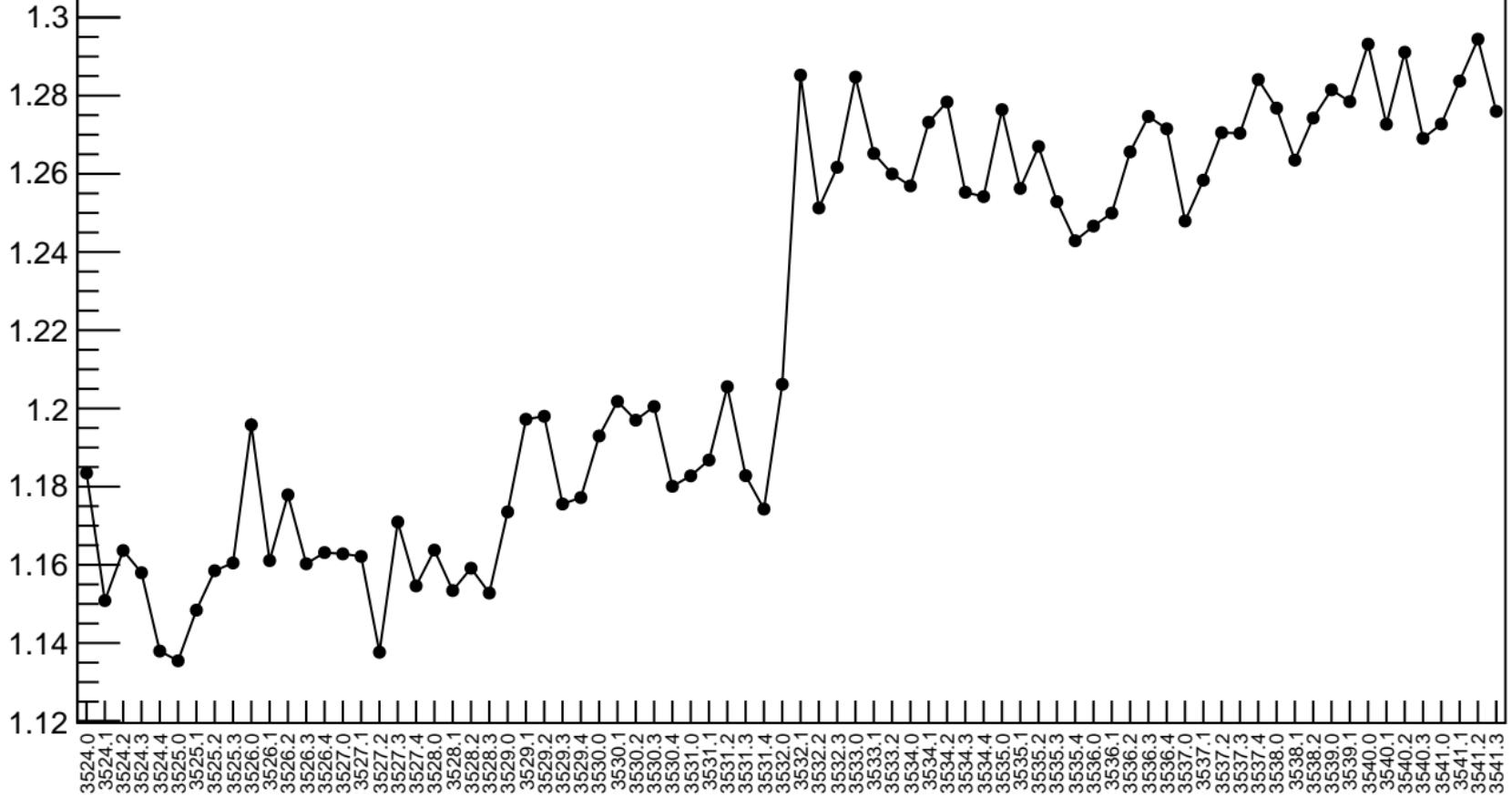


1D pull distribution



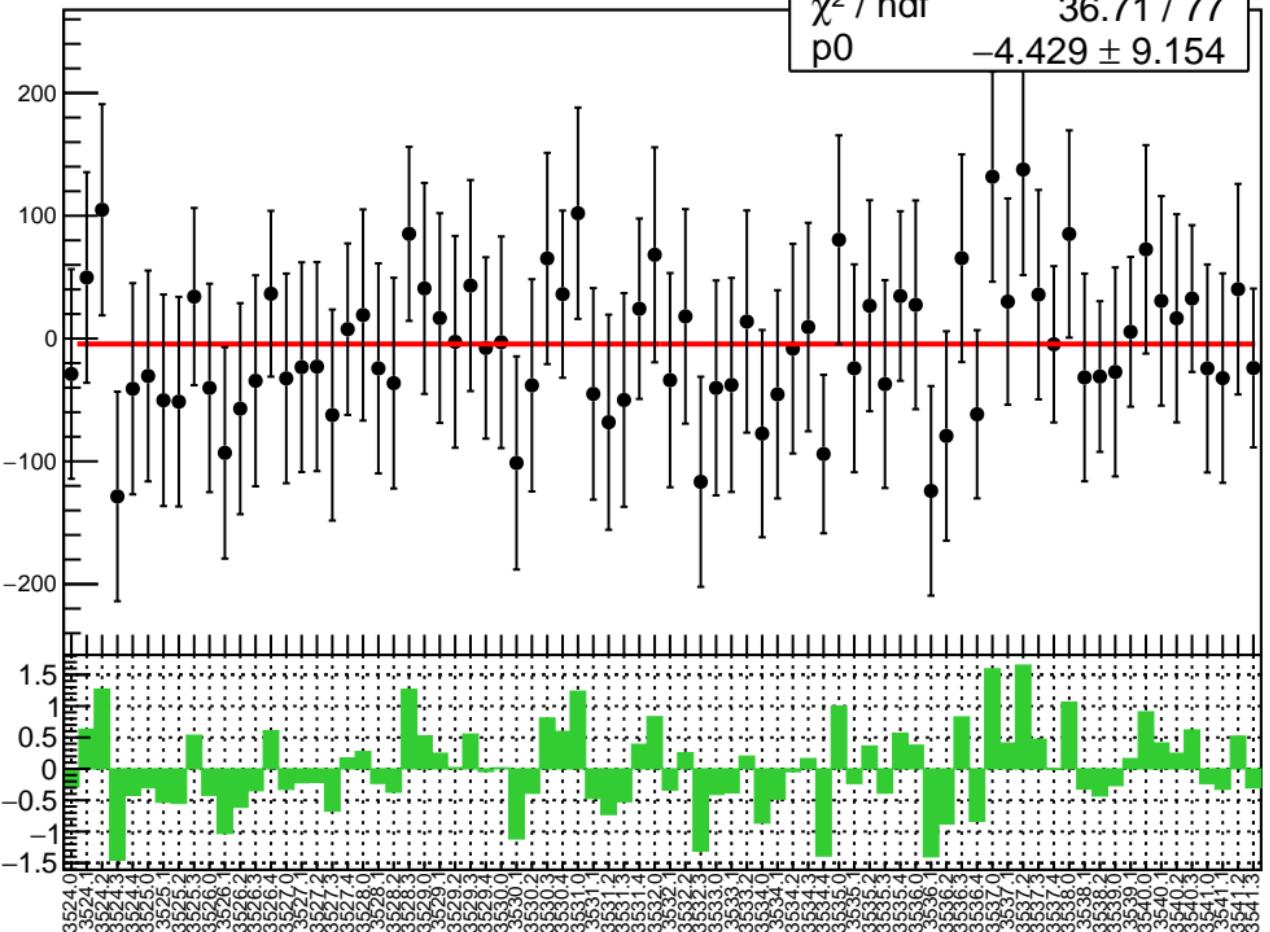
diff_bpm16Y RMS (um)

RMS (um)

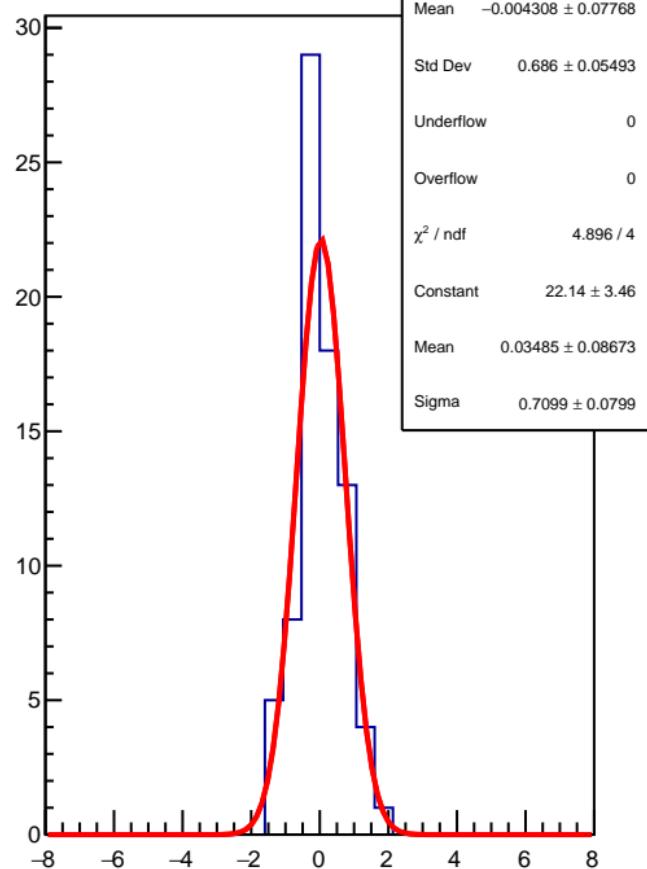


diff_bpm12X (nm)

χ^2 / ndf 36.71 / 77
p0 -4.429 ± 9.154

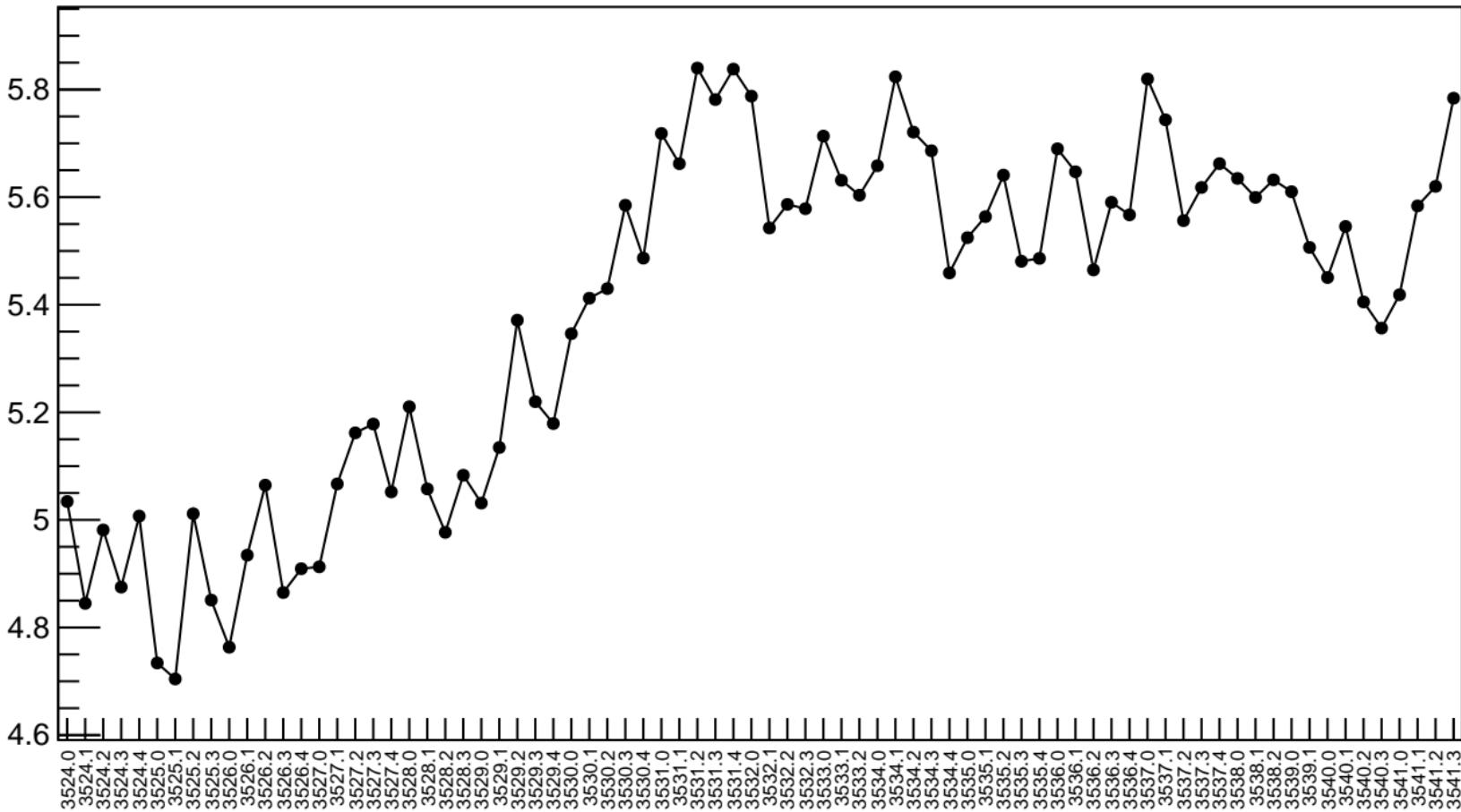


1D pull distribution

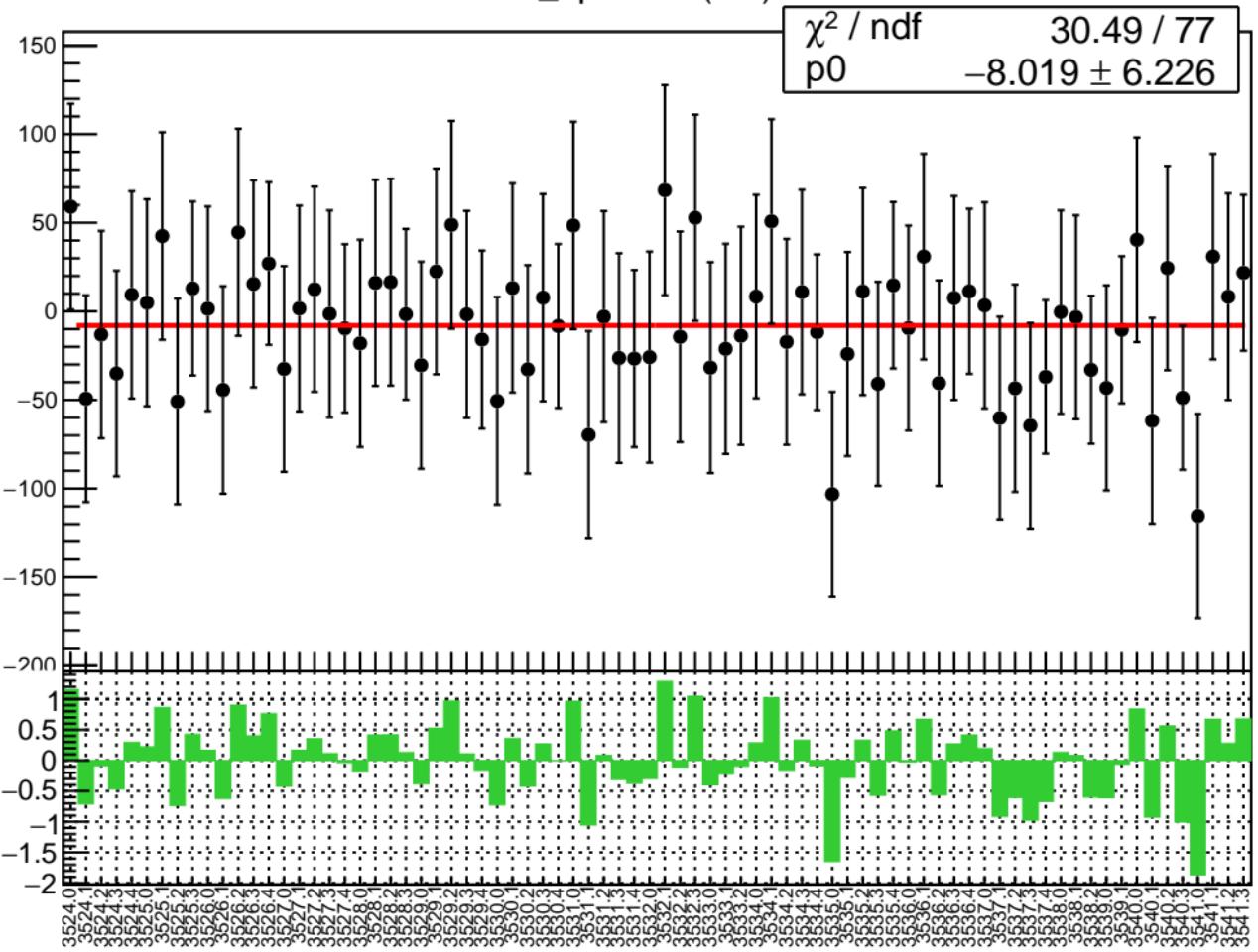


diff_bpm12X RMS (um)

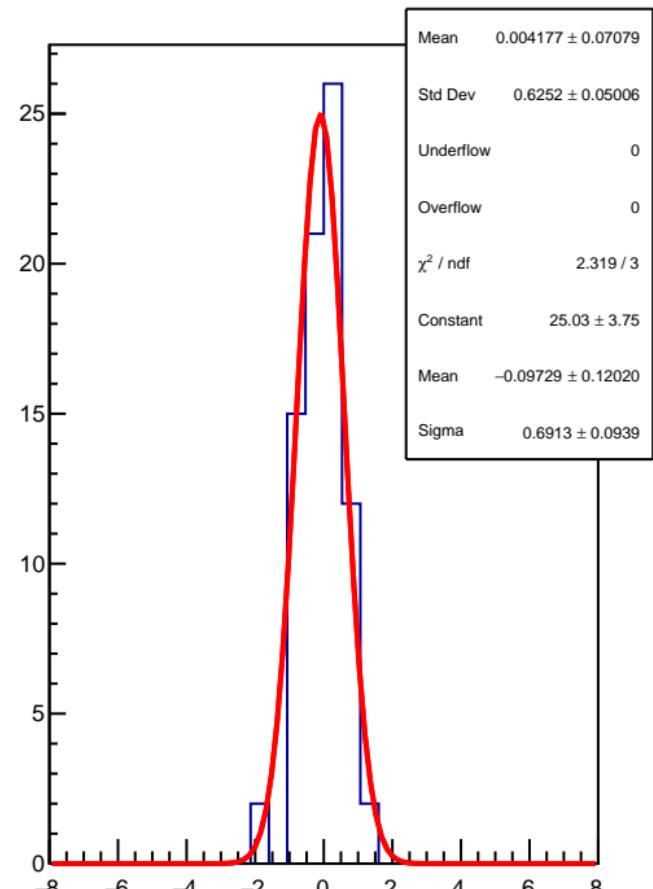
RMS (um)



diff_bpm12Y (nm)

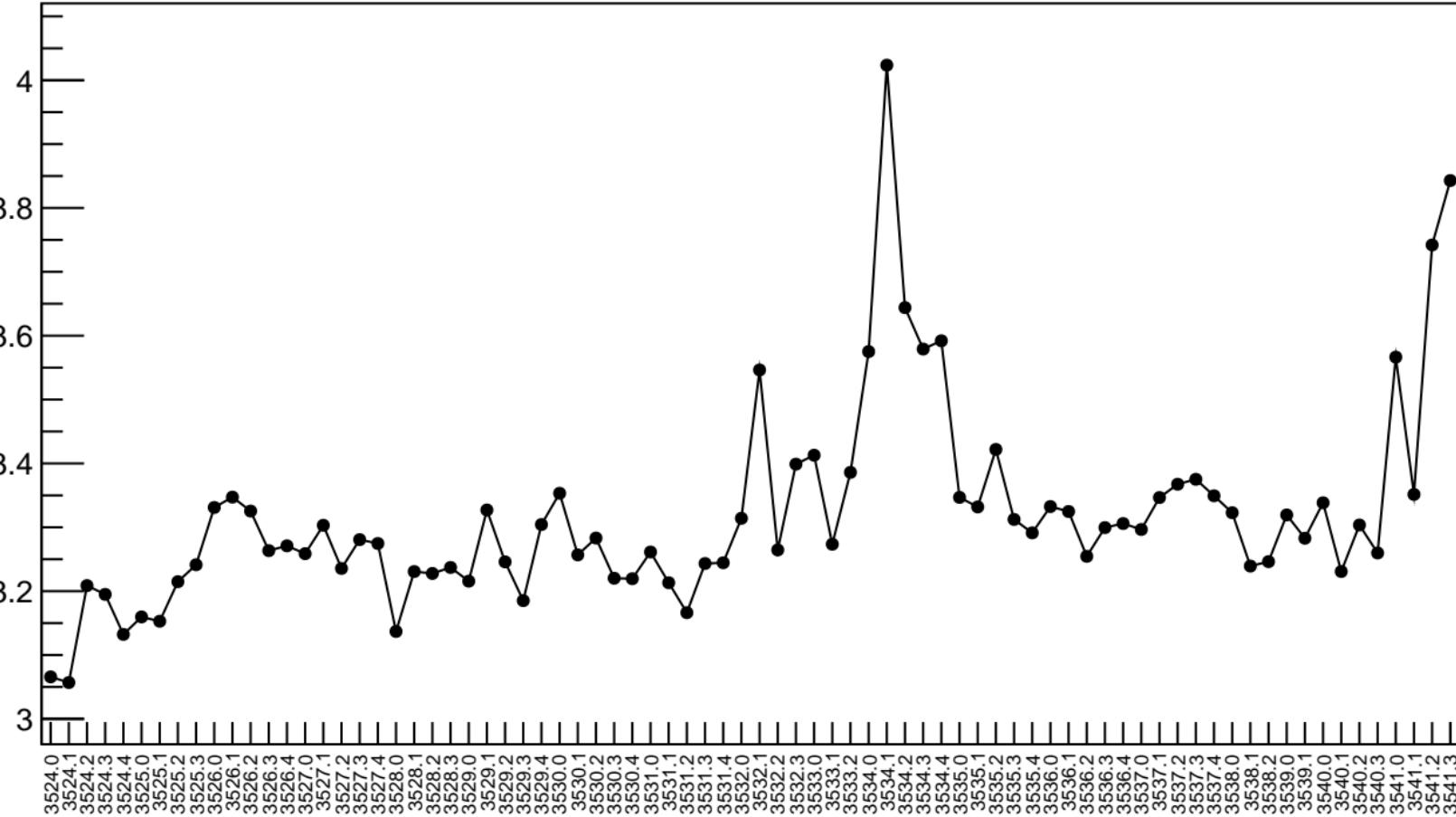


1D pull distribution



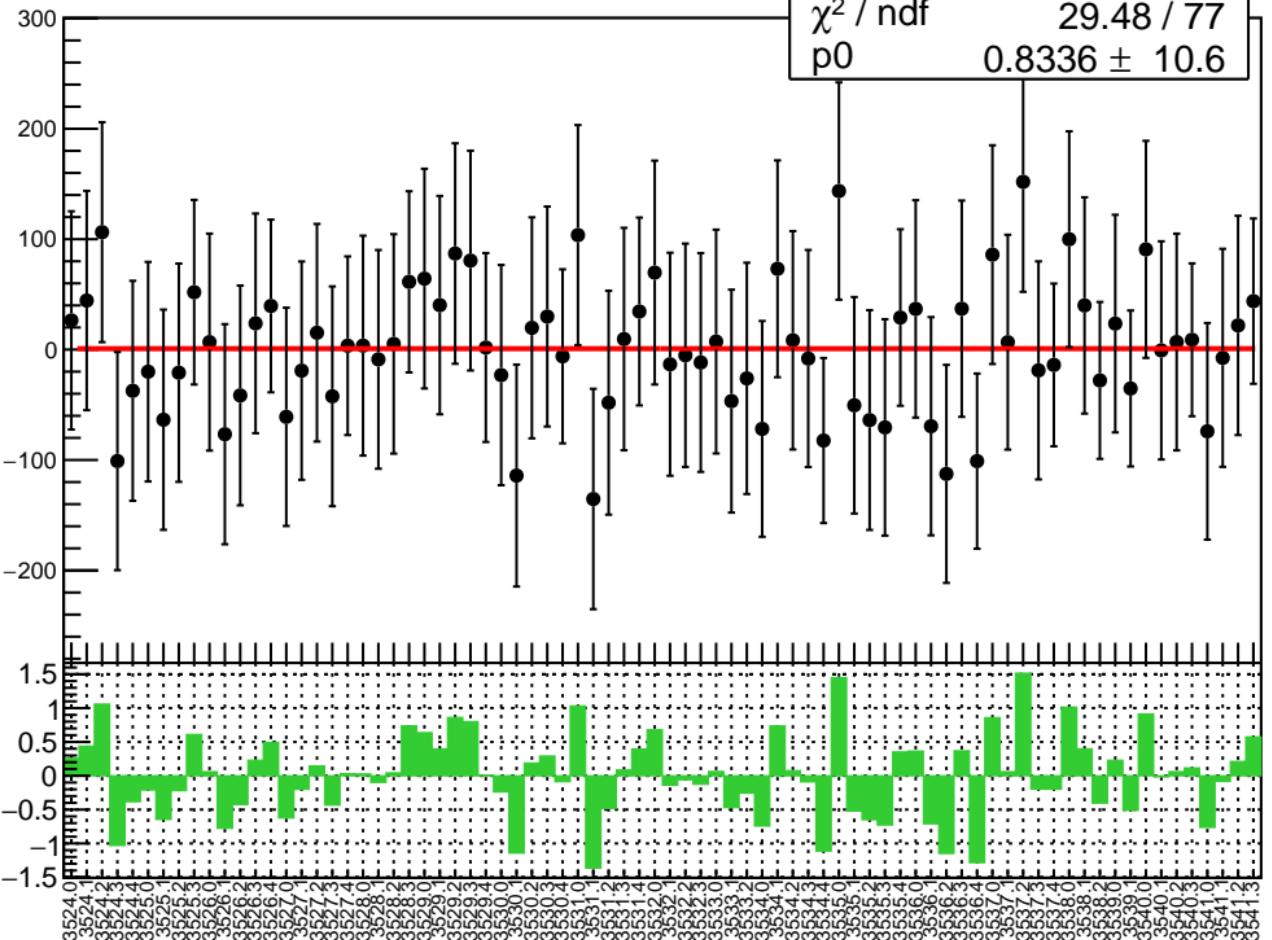
diff_bpm12Y RMS (um)

RMS (um)



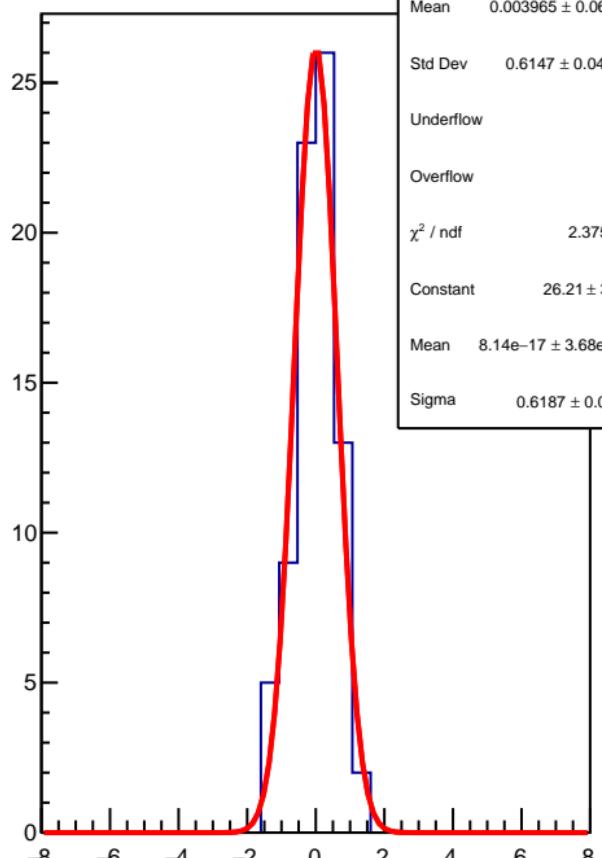
diff_bpm11X (nm)

χ^2 / ndf 29.48 / 77
p0 0.8336 ± 10.6



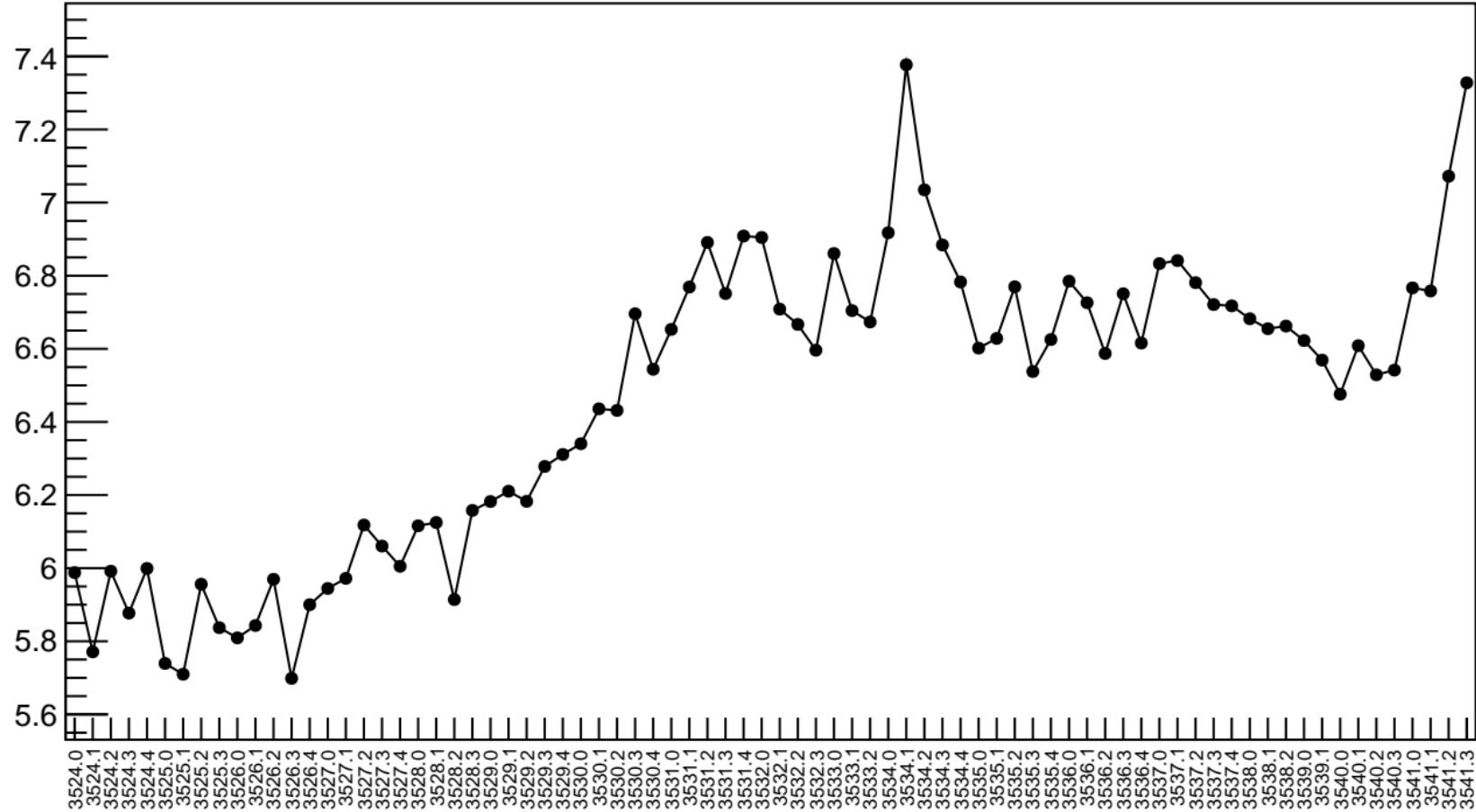
1D pull distribution

Mean 0.003965 ± 0.06961
Std Dev 0.6147 ± 0.04922
Underflow 0
Overflow 0
 χ^2 / ndf 2.375 / 3
Constant 26.21 ± 3.92
Mean $8.14\text{e-}17 \pm 3.68\text{e-}08$
Sigma 0.6187 ± 0.0631



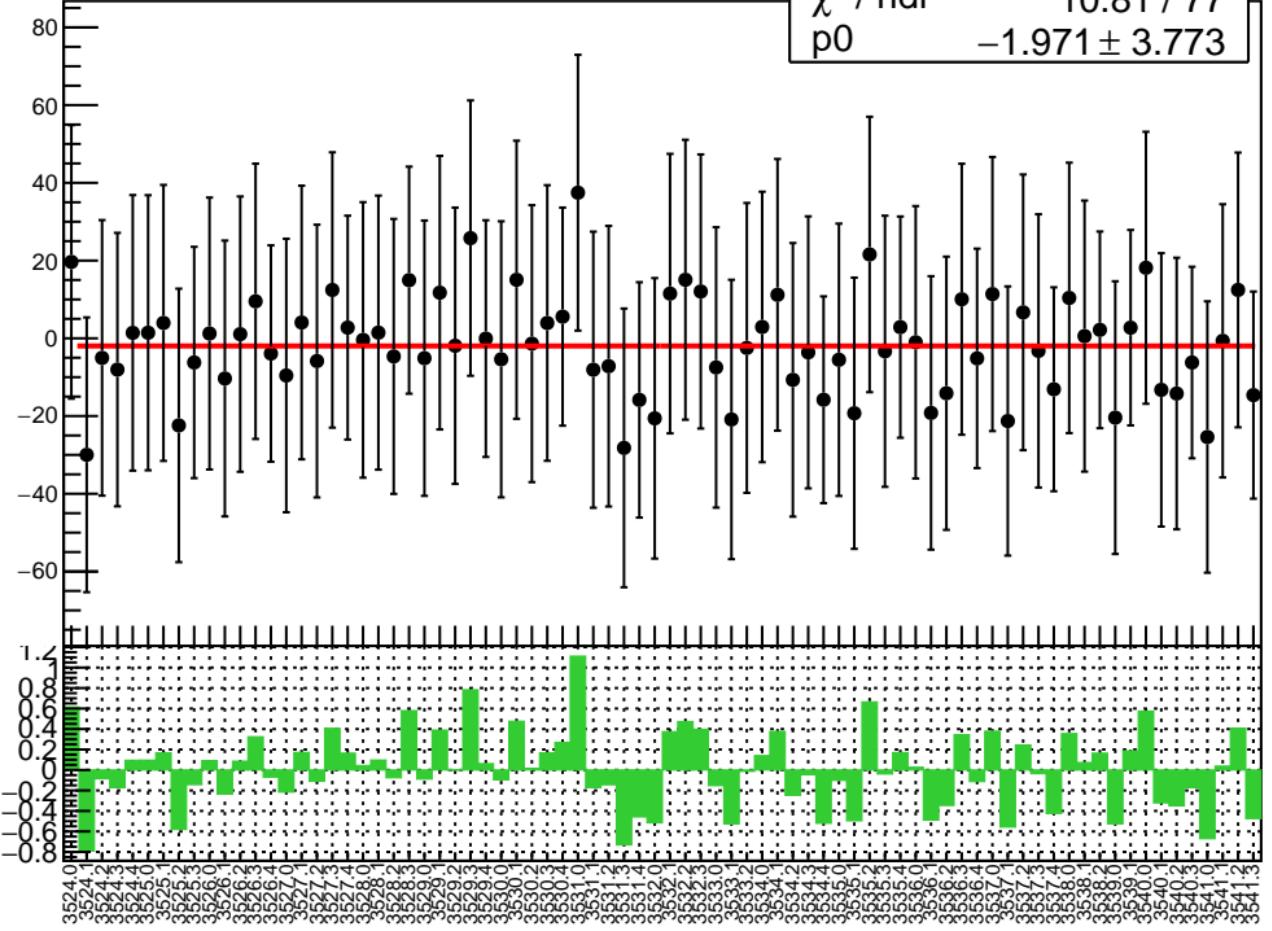
diff_bpm11X RMS (um)

RMS (um)

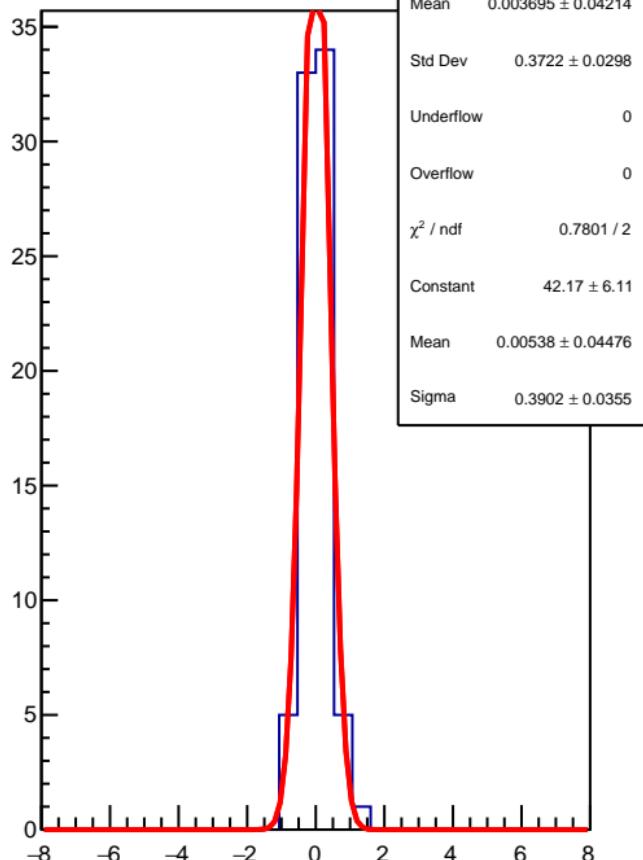


diff_bpm11Y (nm)

χ^2 / ndf 10.81 / 77
 p_0 -1.971 ± 3.773

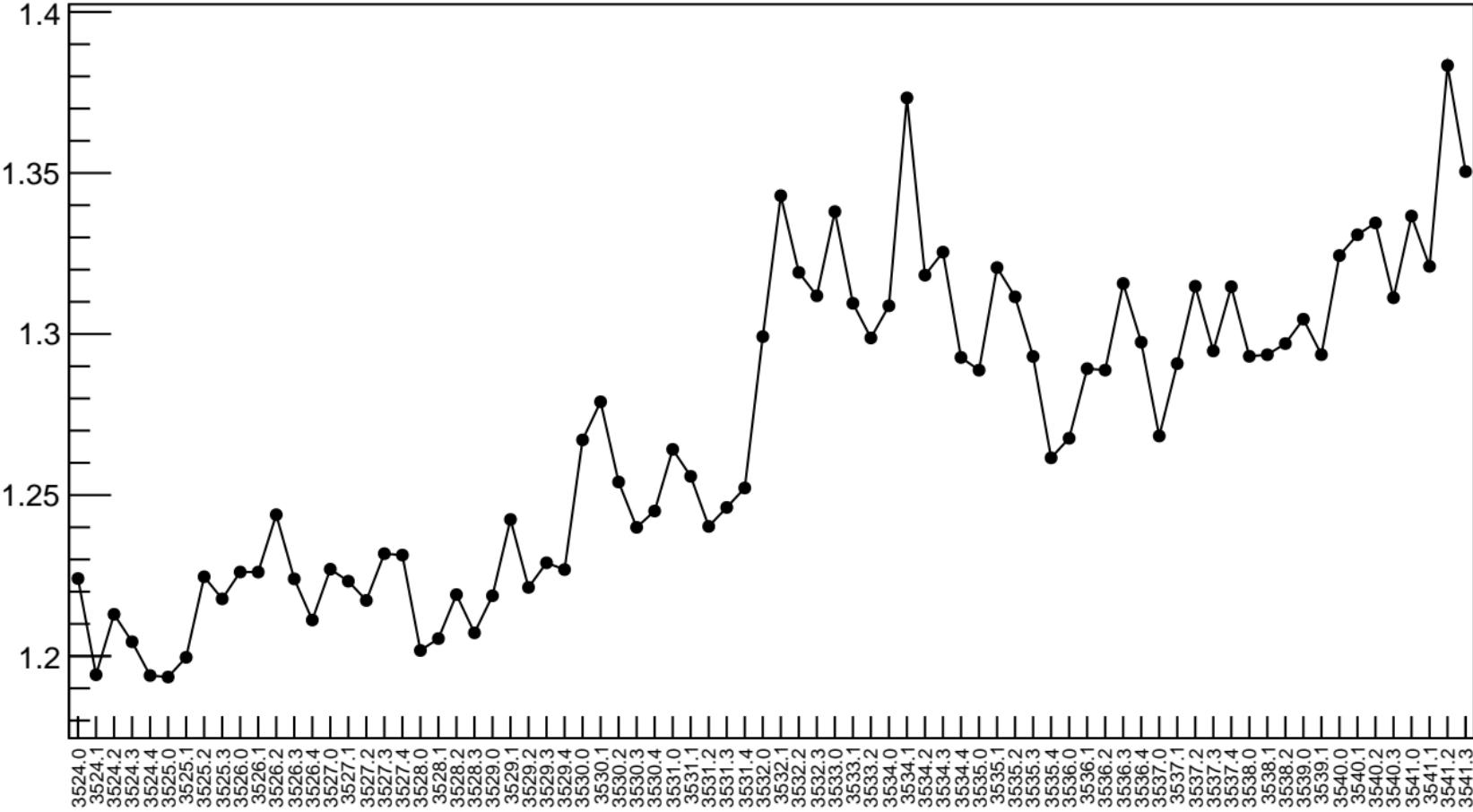


1D pull distribution

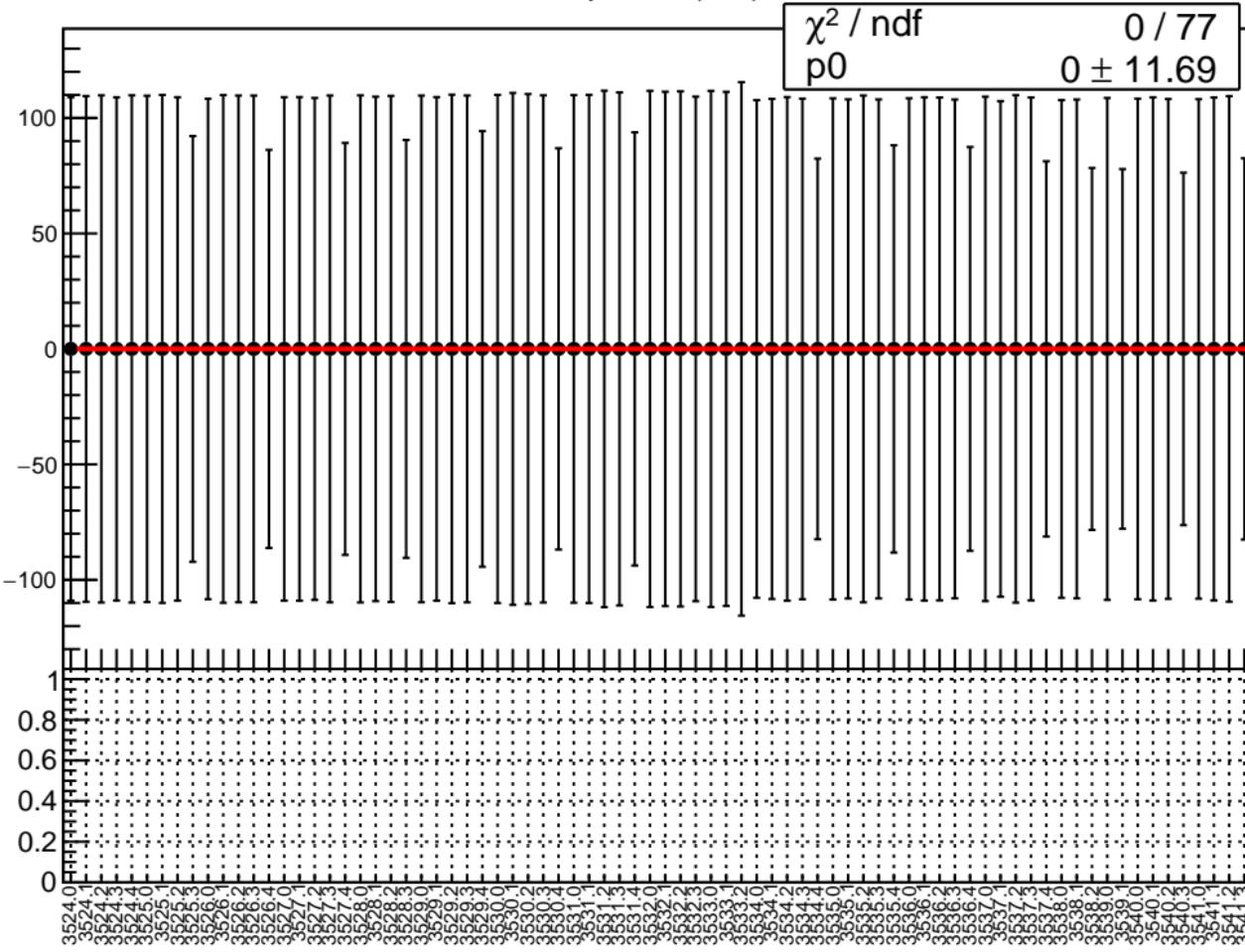


diff_bpm11Y RMS (um)

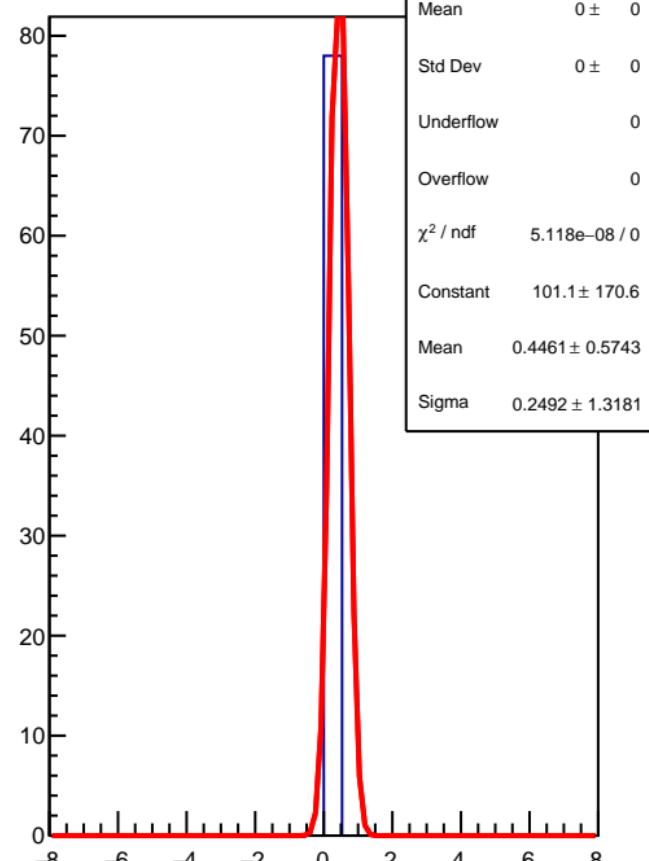
RMS (um)



diff_bpm8X (nm)

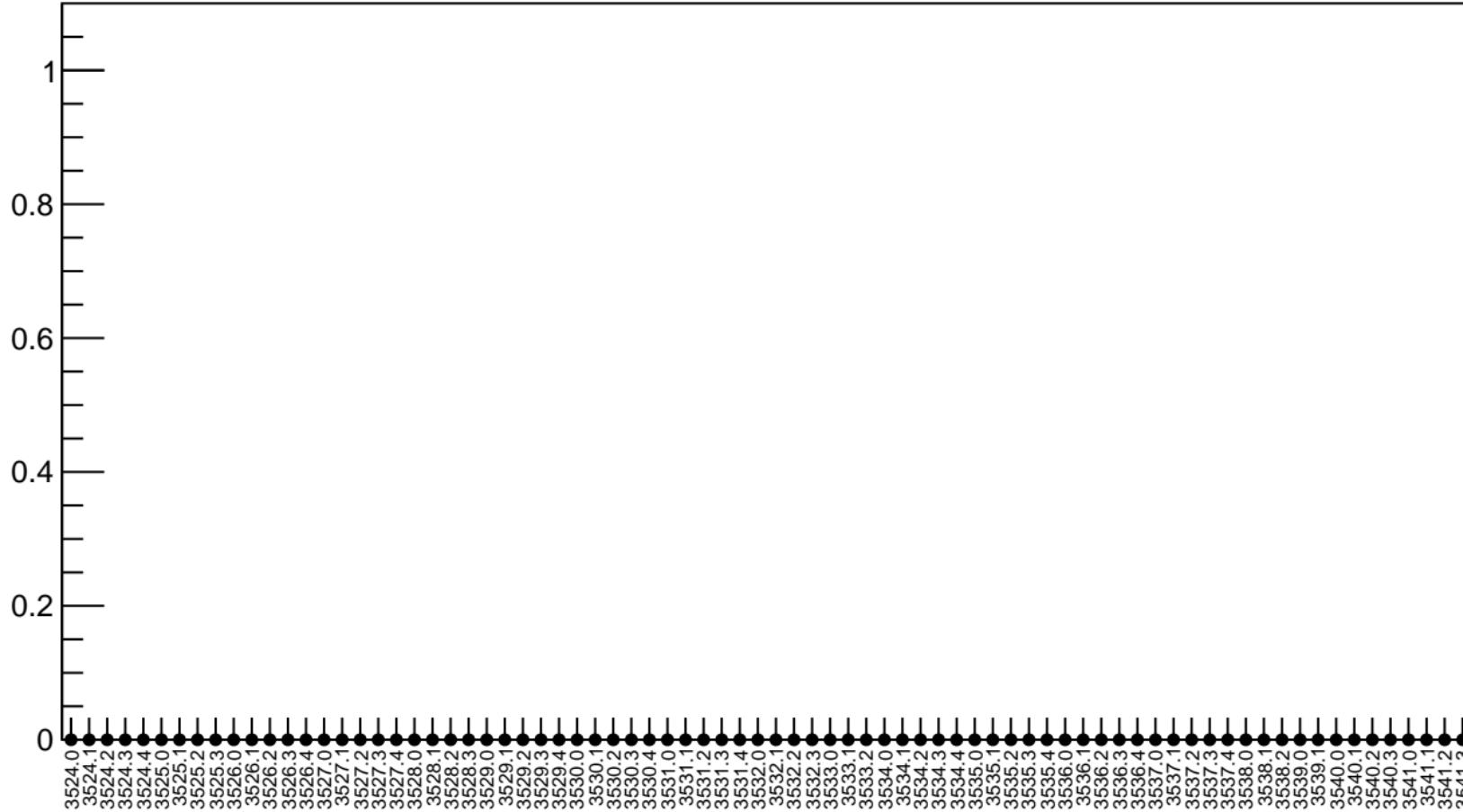


1D pull distribution

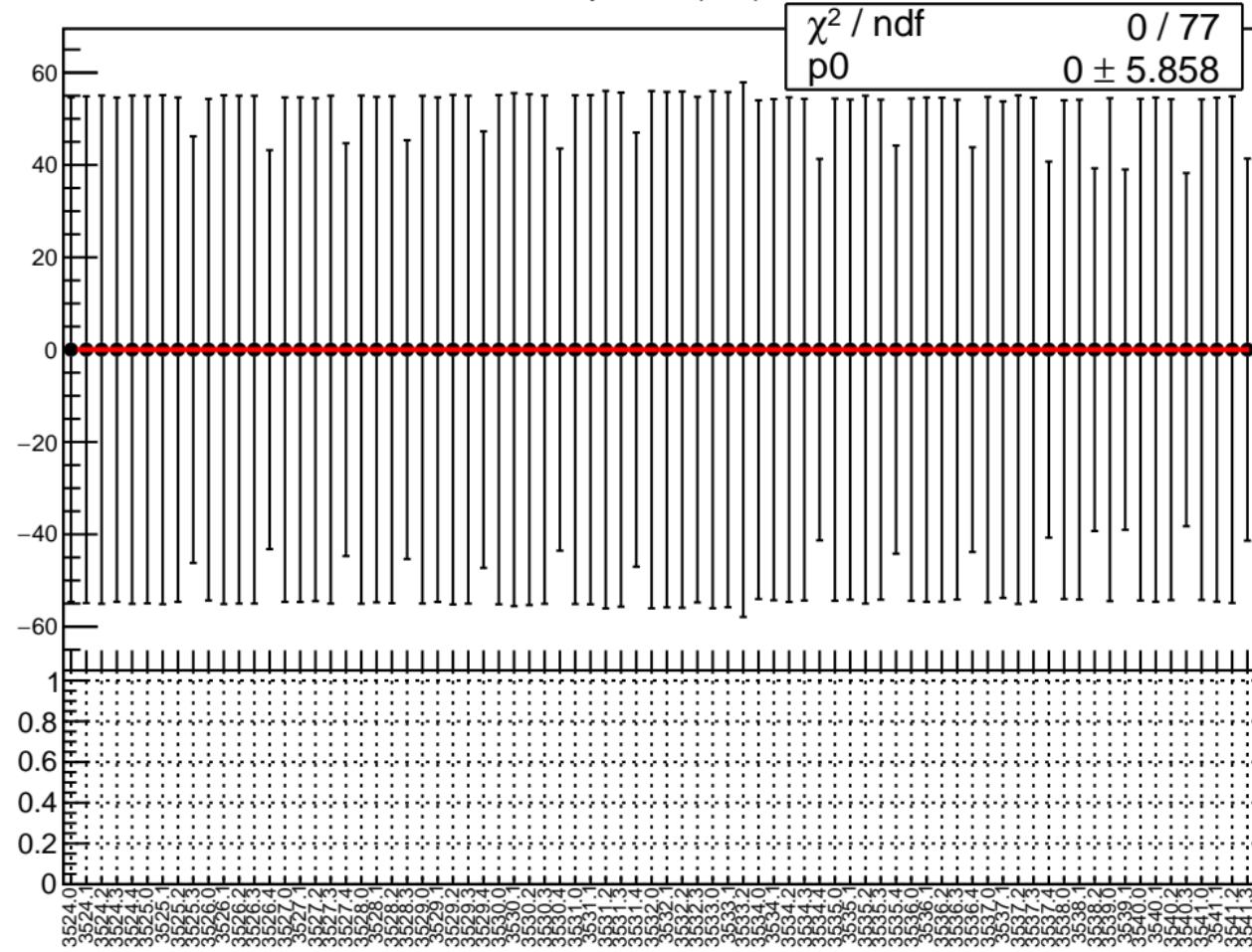


diff_bpm8X RMS (um)

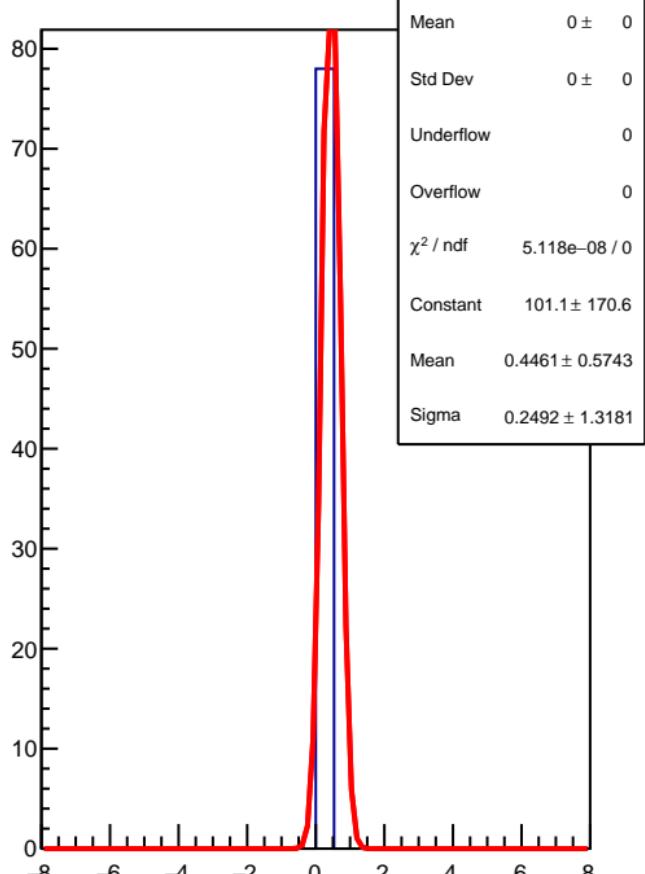
RMS (um)



diff_bpm8Y (nm)

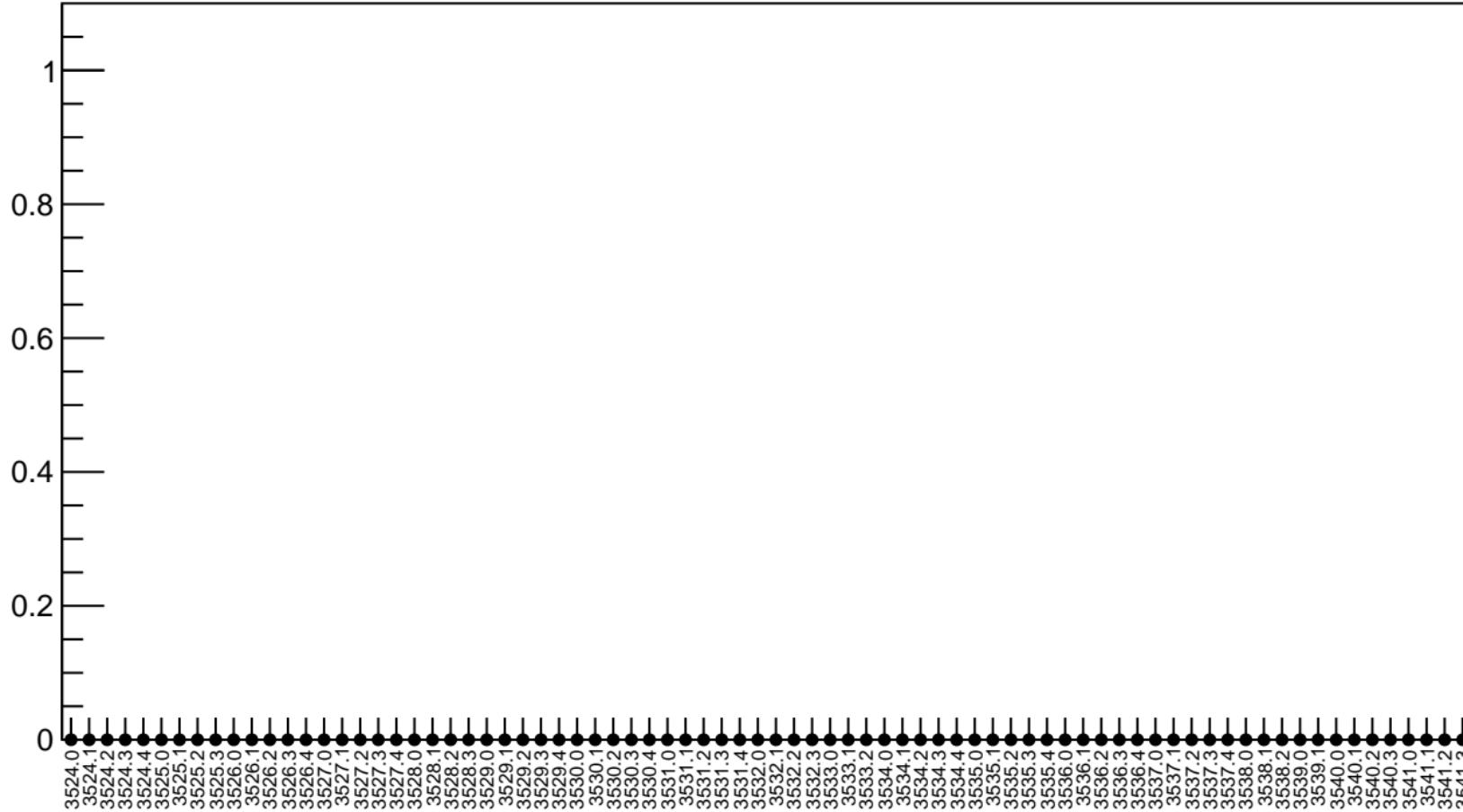


1D pull distribution

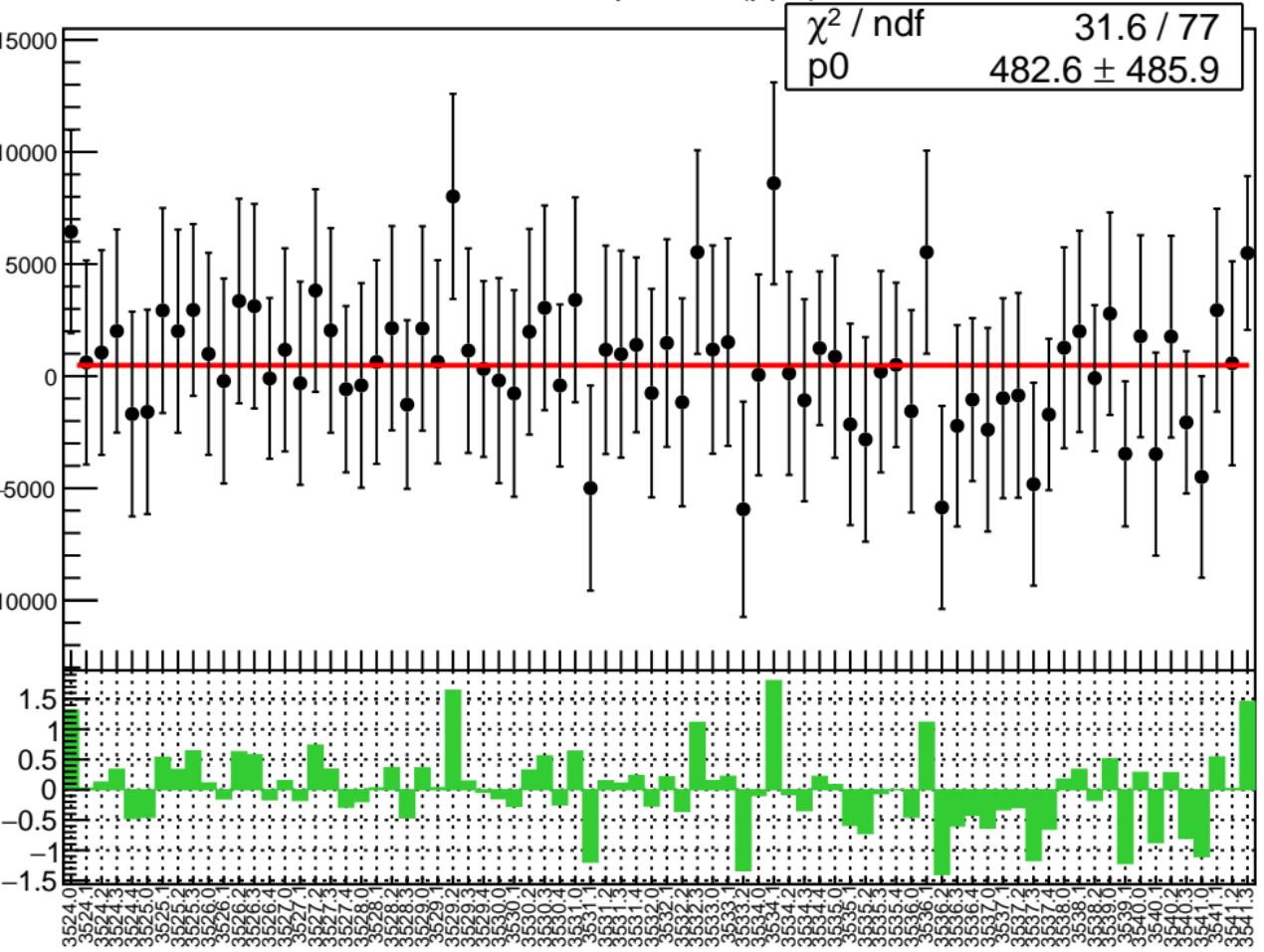


diff_bpm8Y RMS (um)

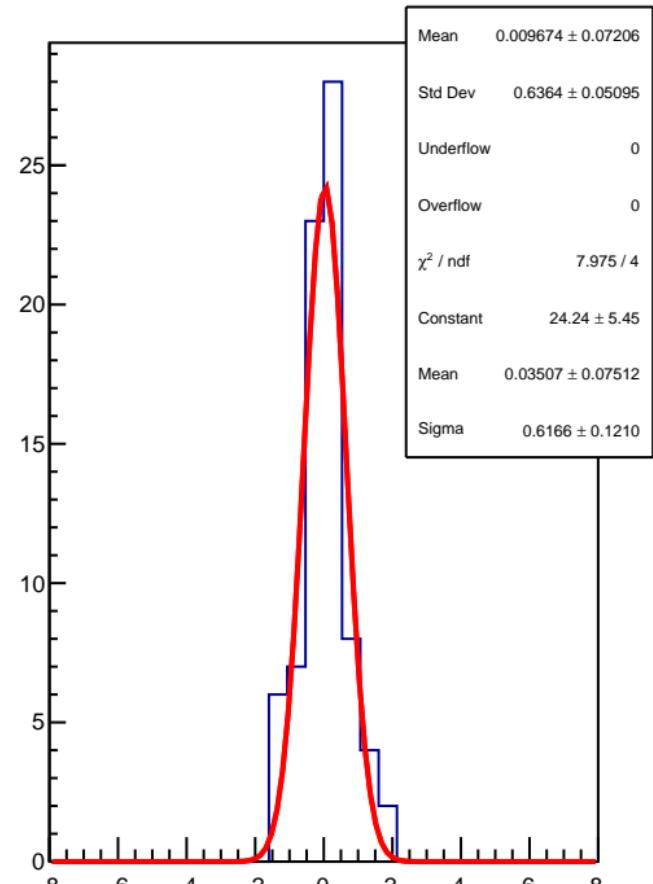
RMS (um)



corr_usl_bpm4eX (ppb)



1D pull distribution

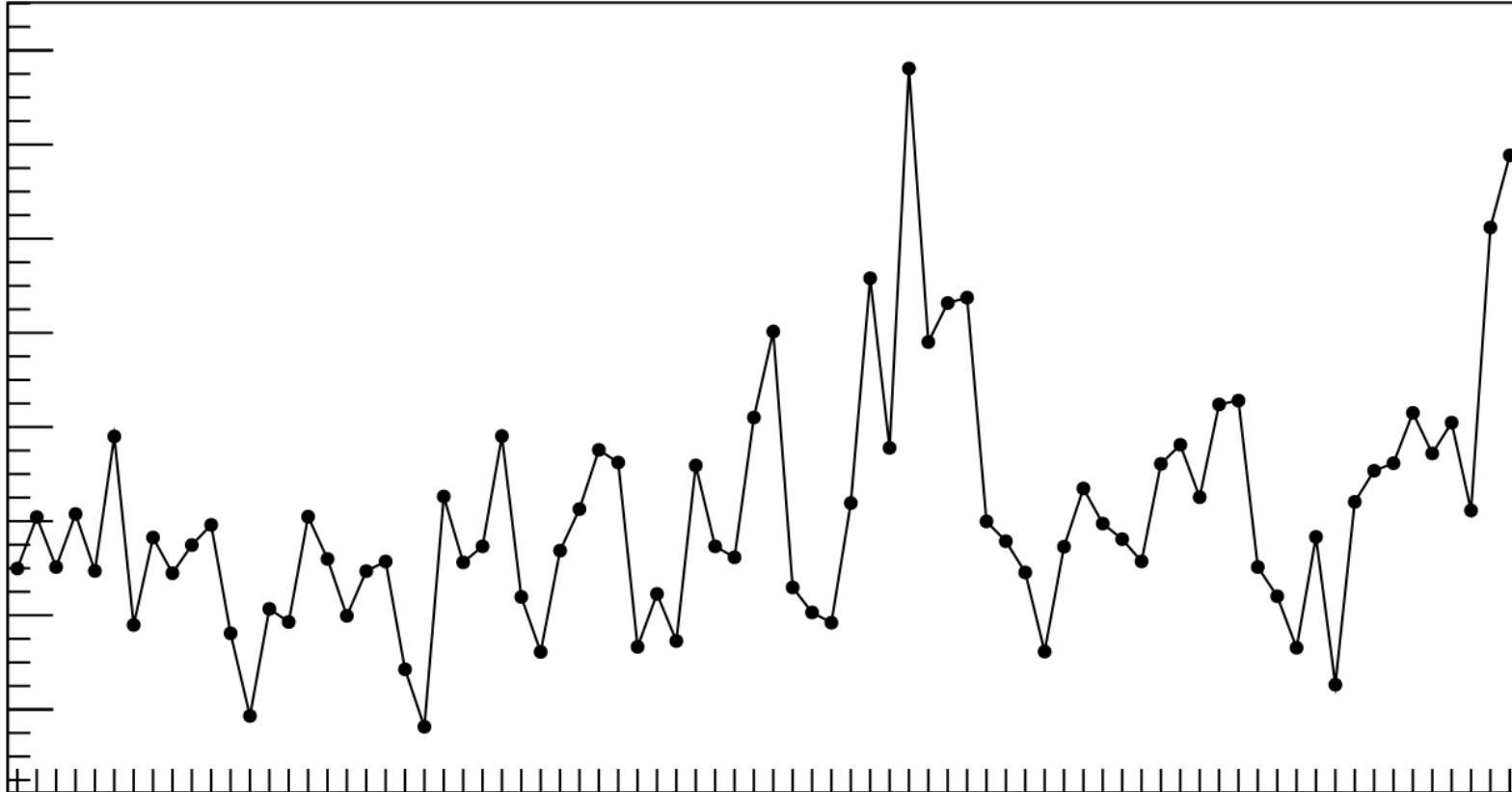


corr_usl_bpm4eX RMS (ppm)

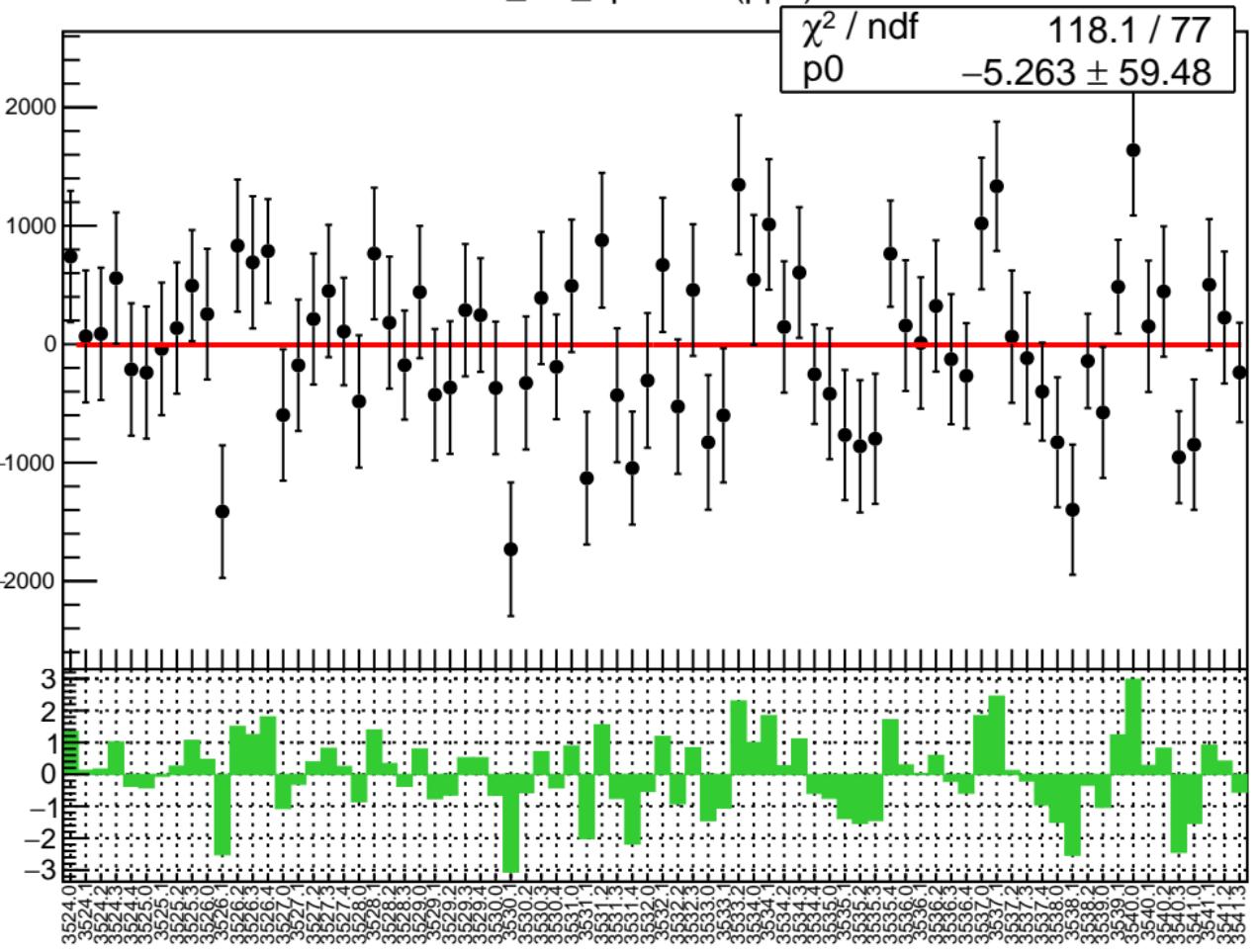
RMS (ppm)

360
340
320
300
280
260
240
220

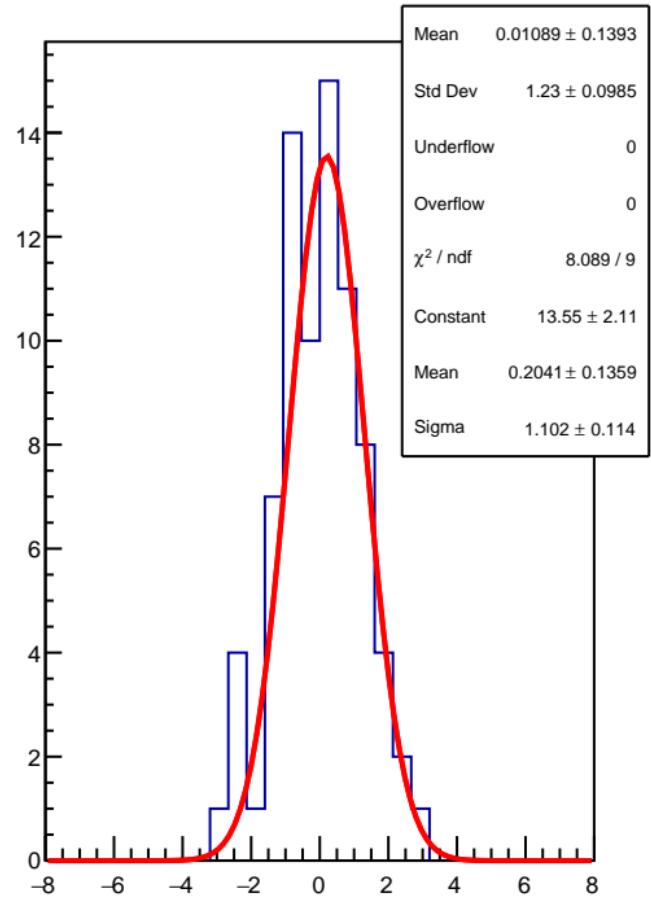
3524.0
3524.1
3524.2
3524.3
3524.4
3525.0
3525.1
3525.2
3525.3
3526.0
3526.1
3526.2
3526.3
3526.4
3527.0
3527.1
3527.2
3527.3
3527.4
3528.0
3528.1
3528.2
3528.3
3529.0
3529.1
3529.2
3529.3
3529.4
3530.0
3530.1
3530.2
3530.3
3530.4
3531.0
3531.1
3531.2
3531.3
3531.4
3532.0
3532.1
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3537.3
3538.0
3538.1
3538.2
3539.0
3539.1
3540.0
3540.1
3540.2
3540.3
3541.0
3541.1
3541.2
3541.3



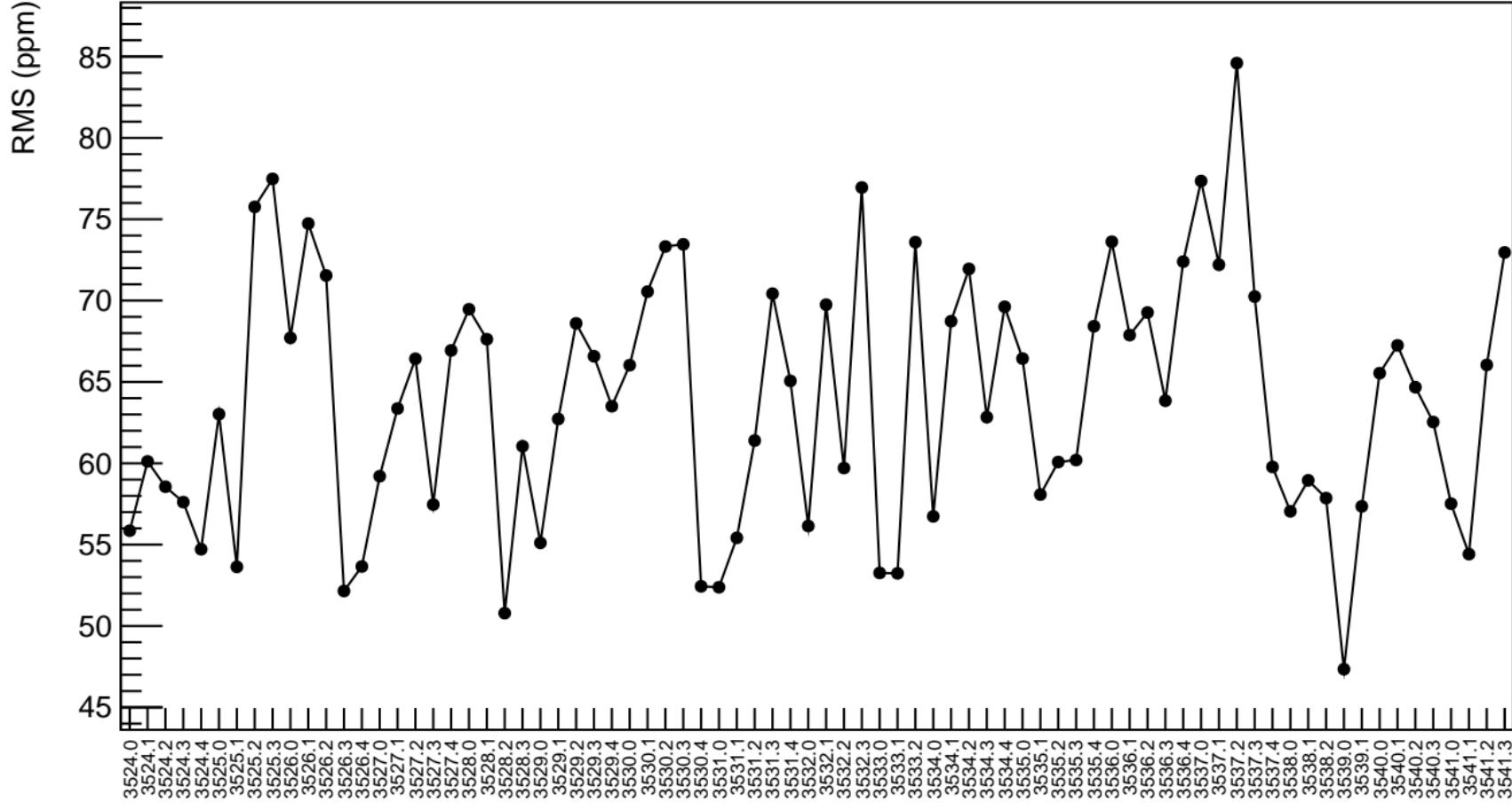
corr_usl_bpm4eY (ppb)



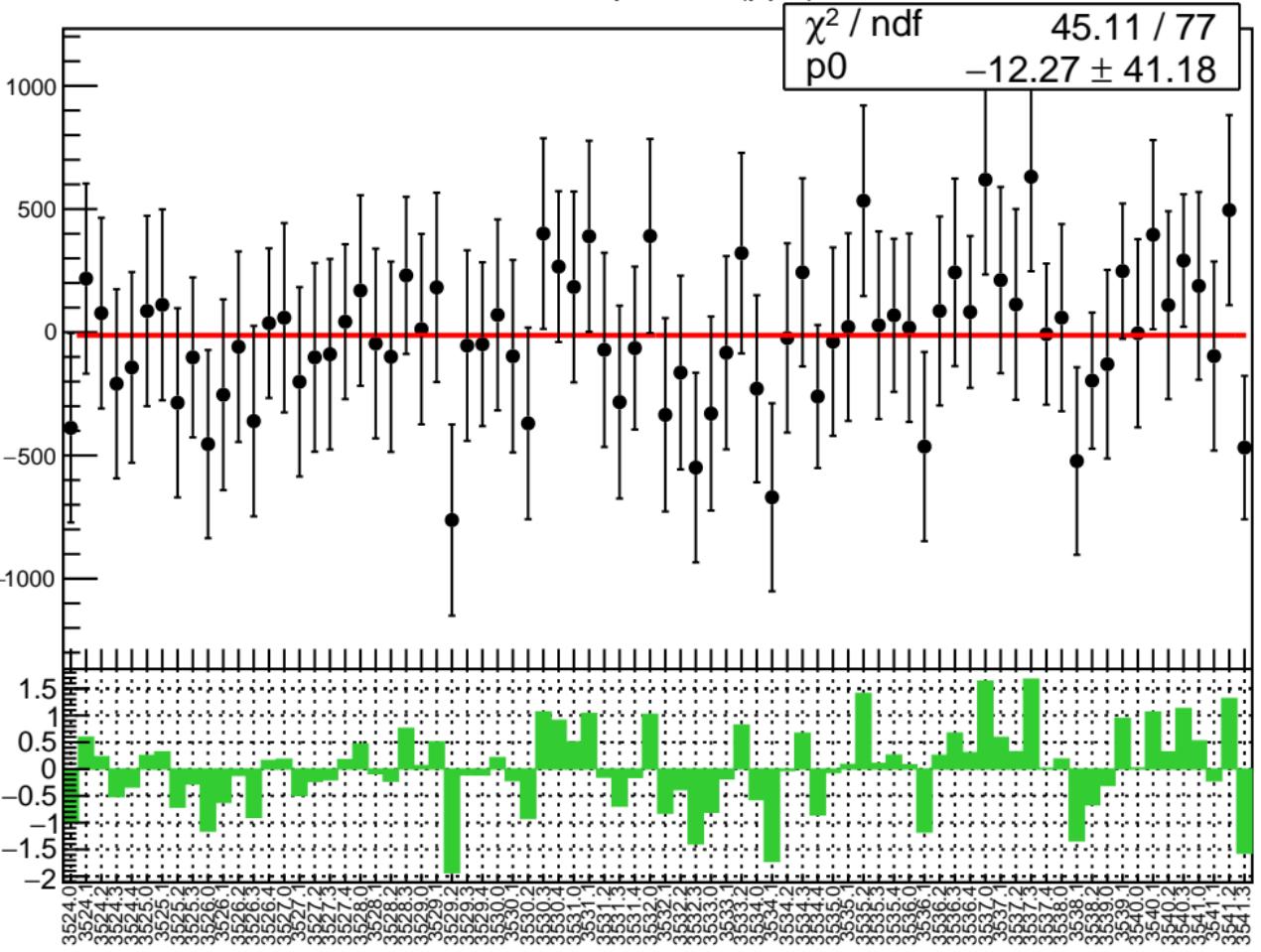
1D pull distribution



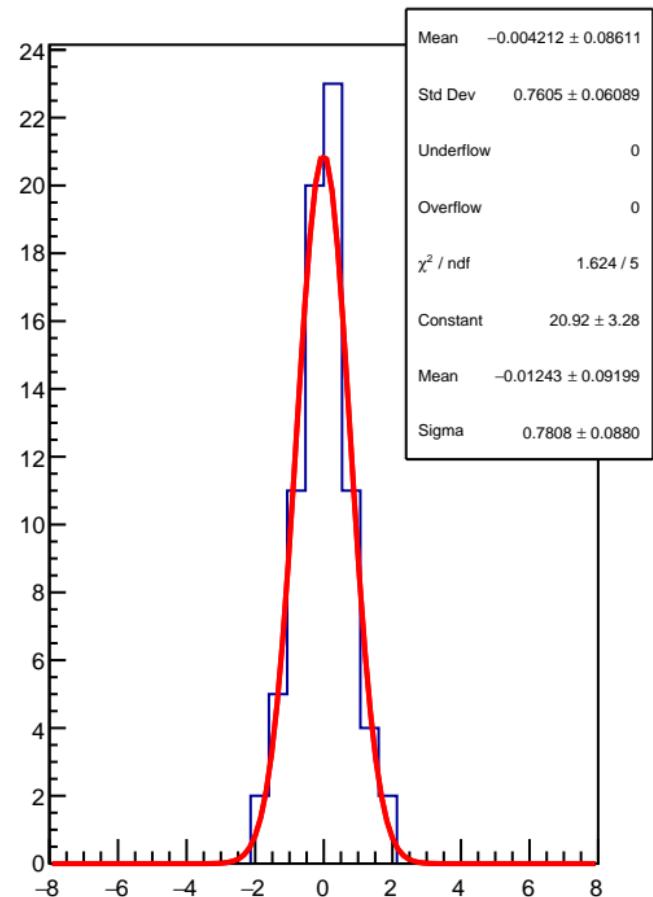
corr_usl_bpm4eY RMS (ppm)



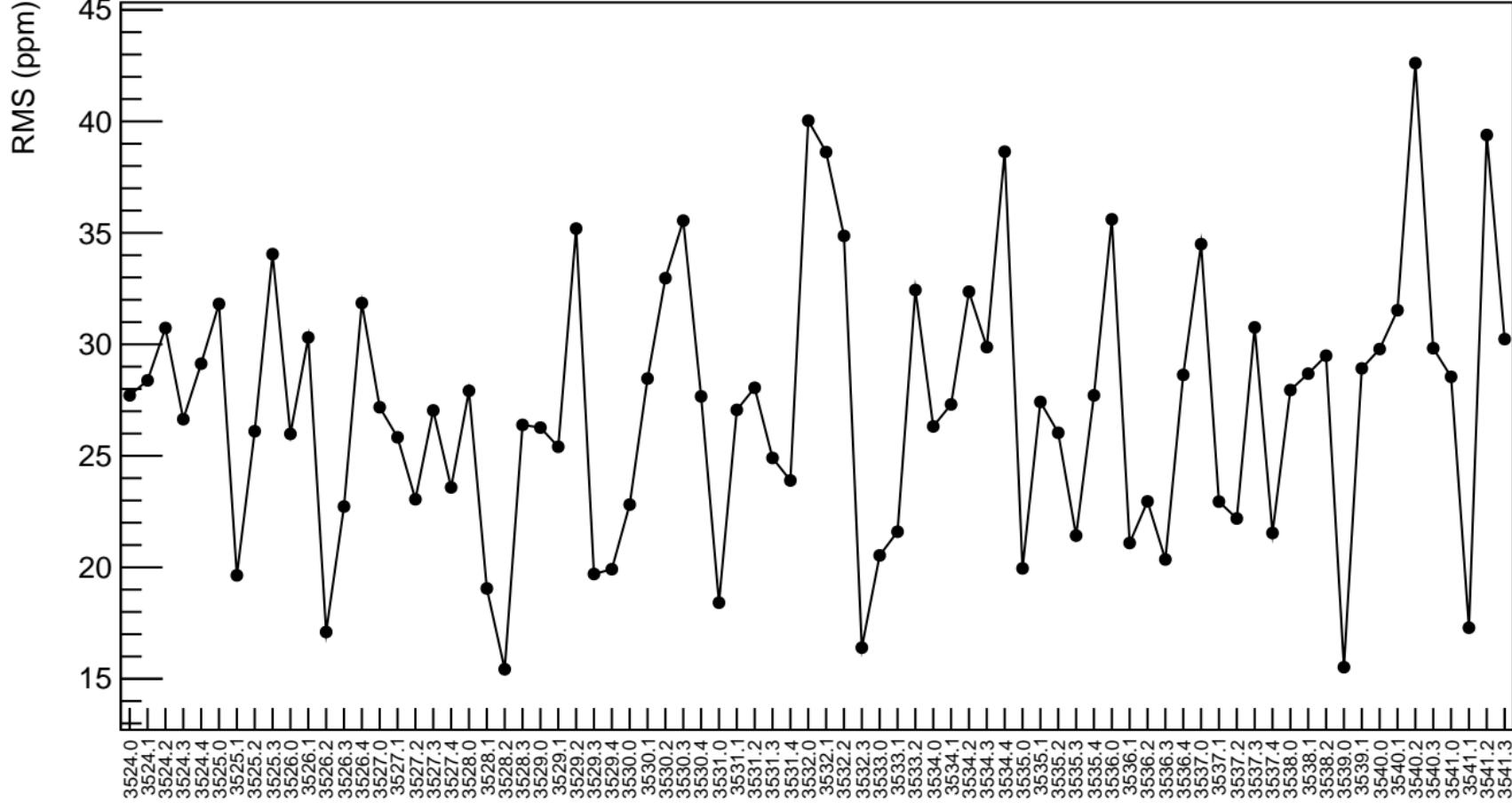
corr_usl_bpm4aX (ppb)



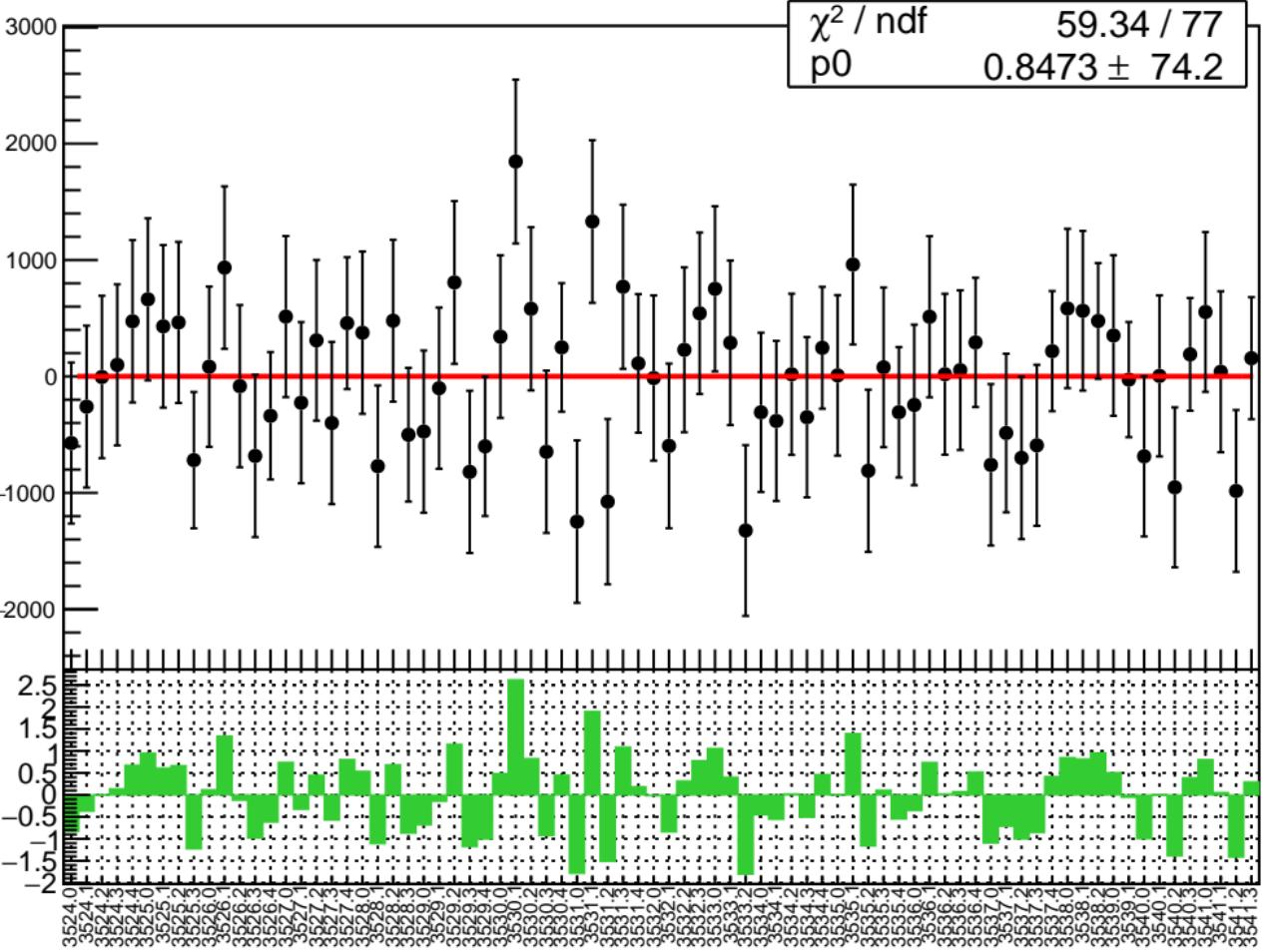
1D pull distribution



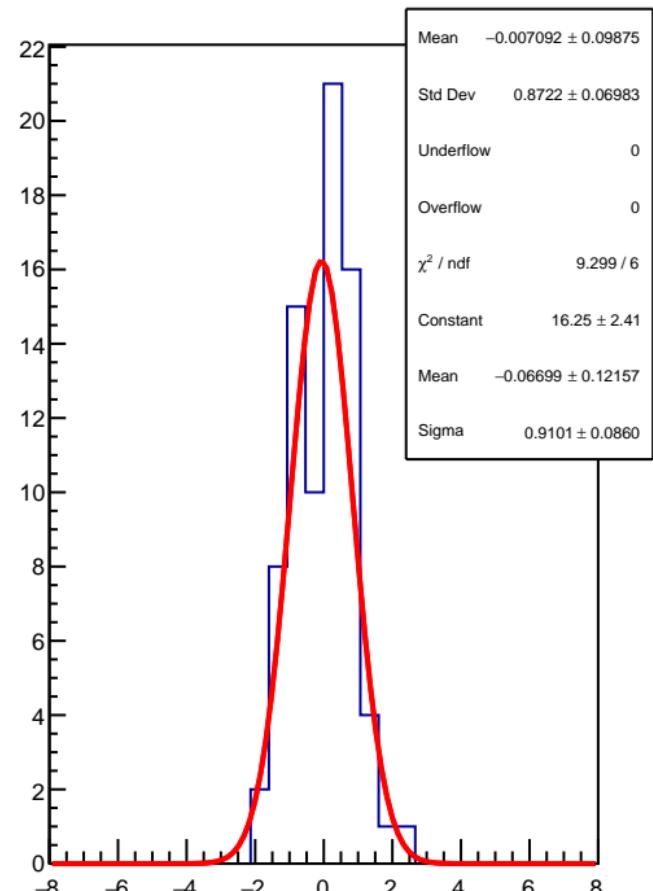
corr_usl_bpm4aX RMS (ppm)



corr_usl_bpm4aY (ppb)

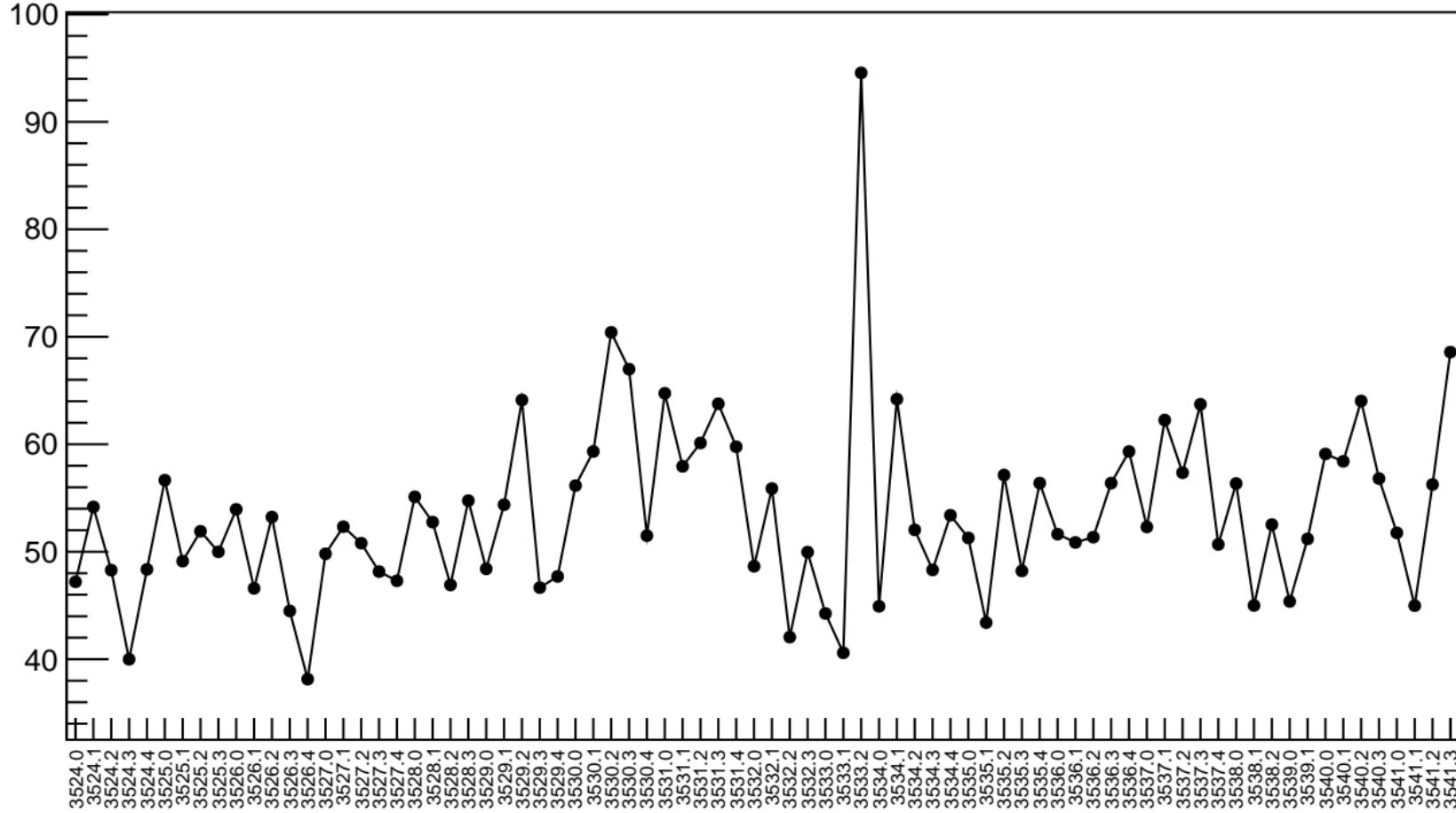


1D pull distribution

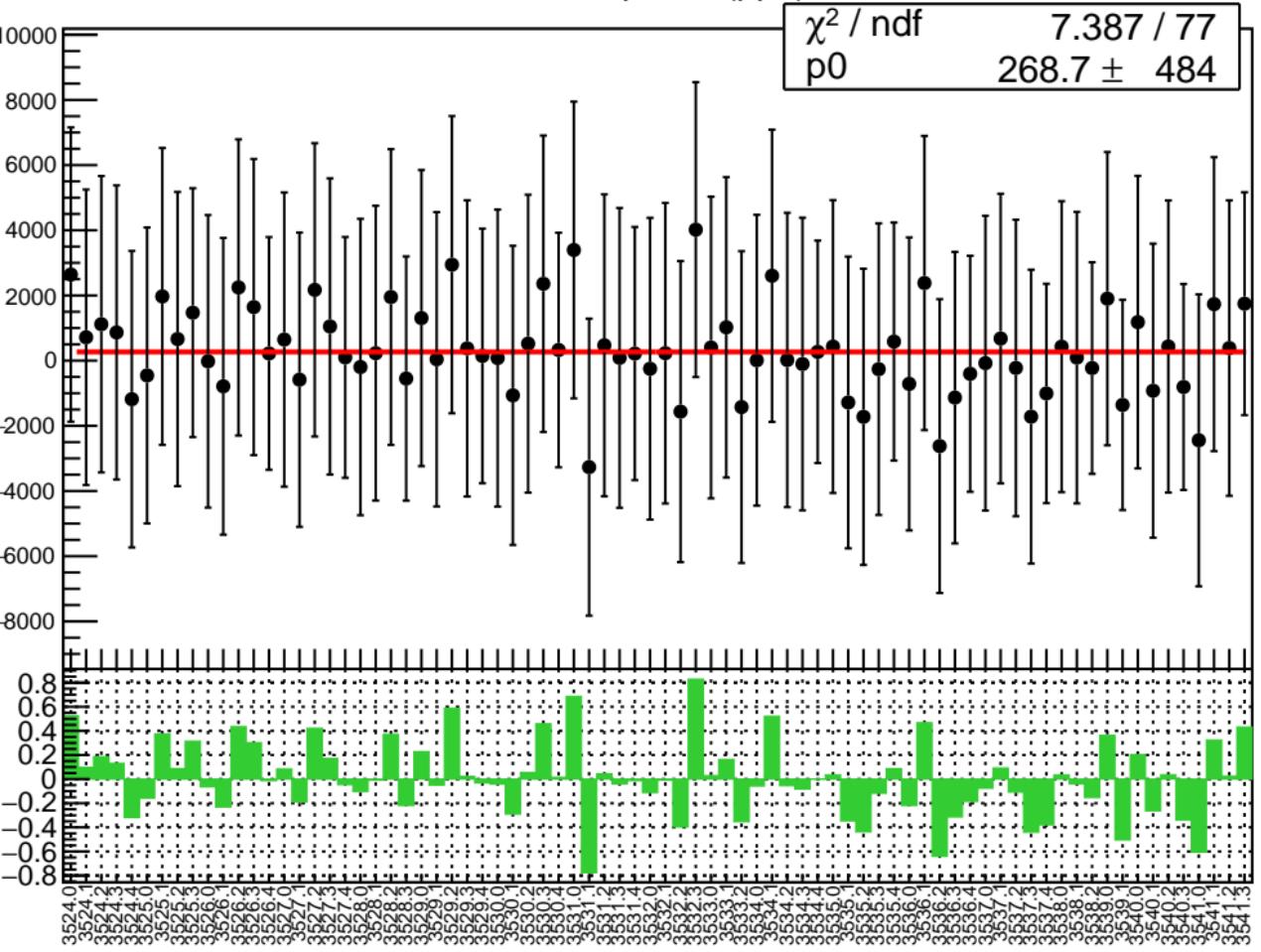


corr_usl_bpm4aY RMS (ppm)

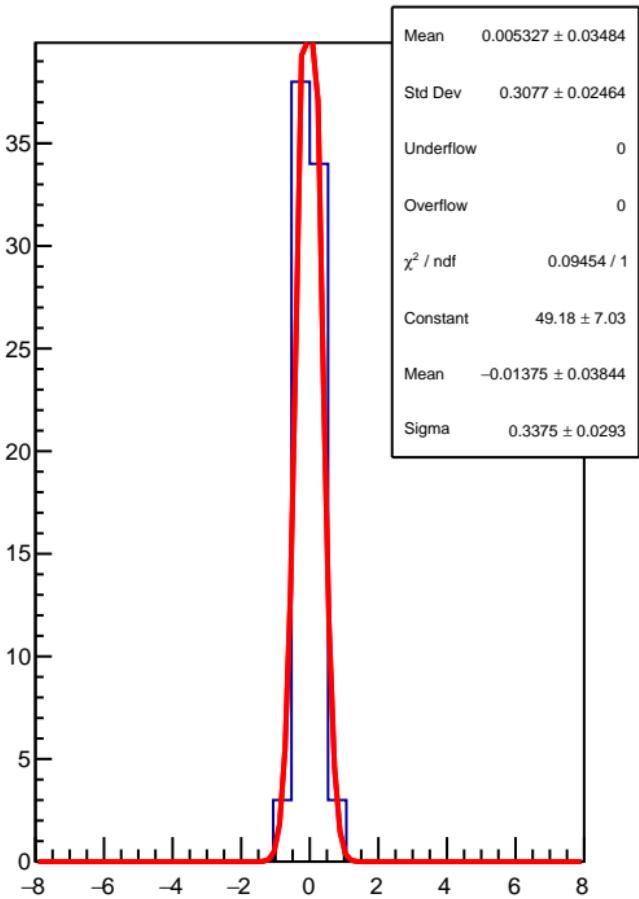
RMS (ppm)



corr_usl_bpm1X (ppb)

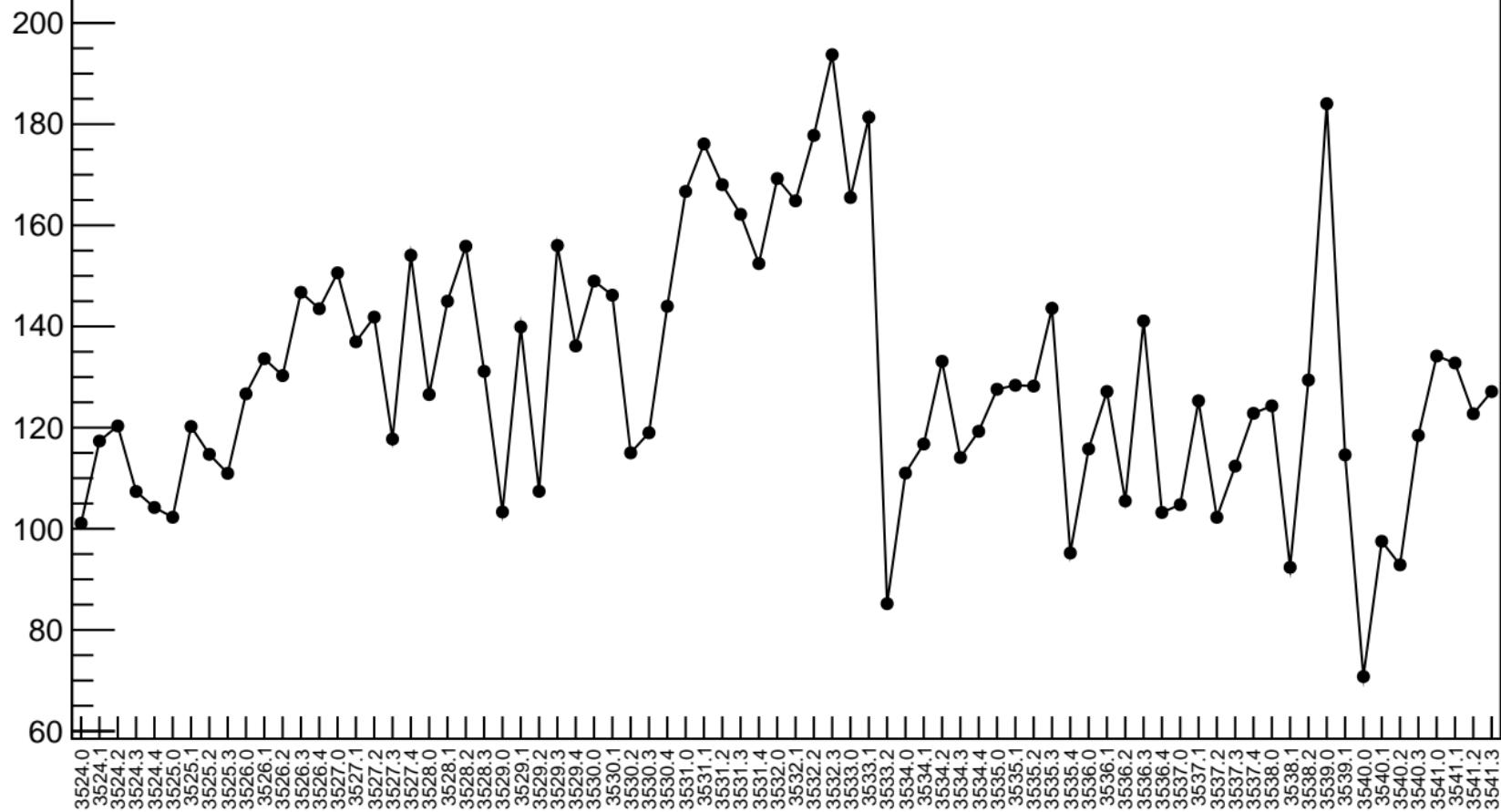


1D pull distribution

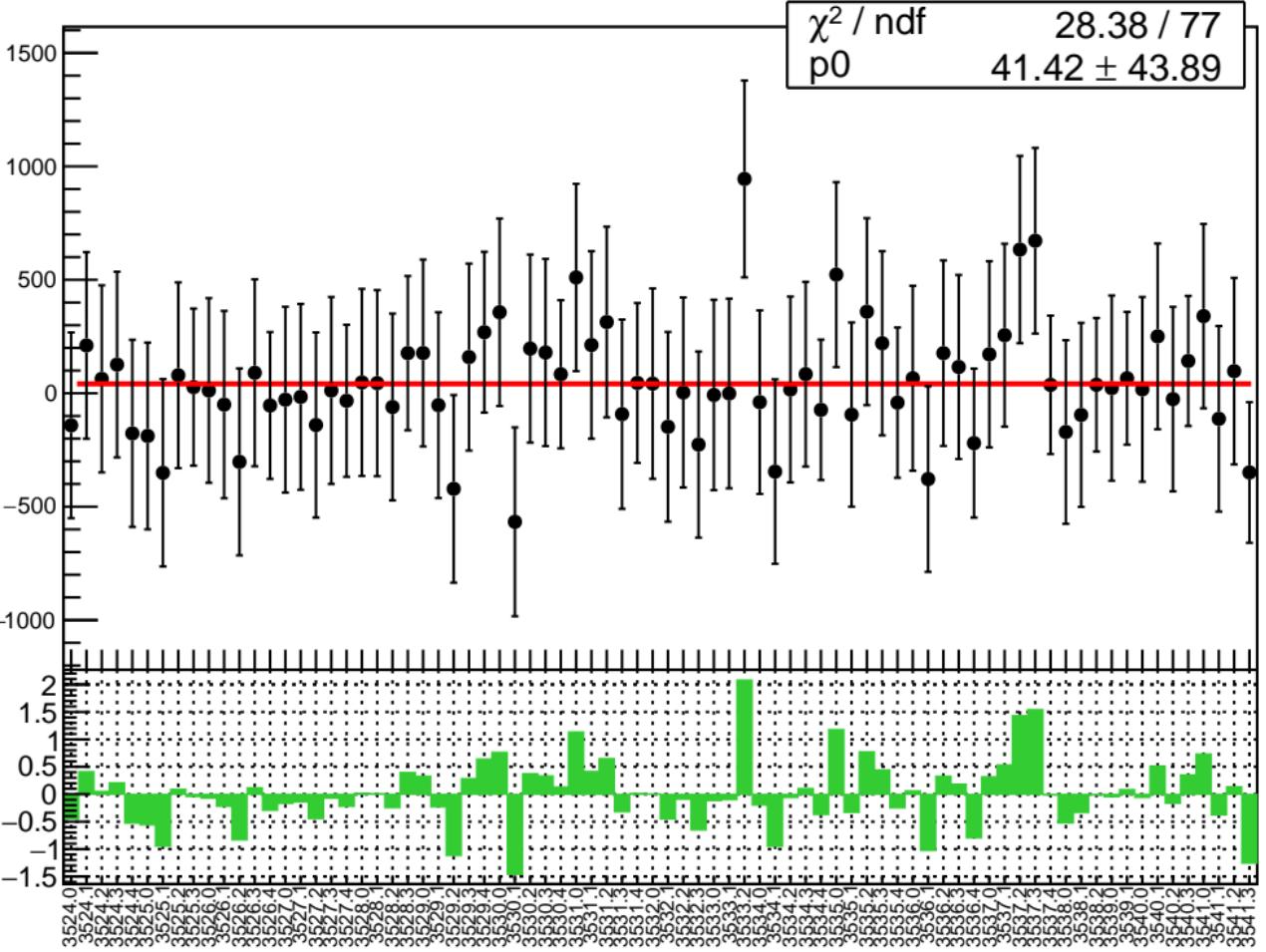


corr_usl_bpm1X RMS (ppm)

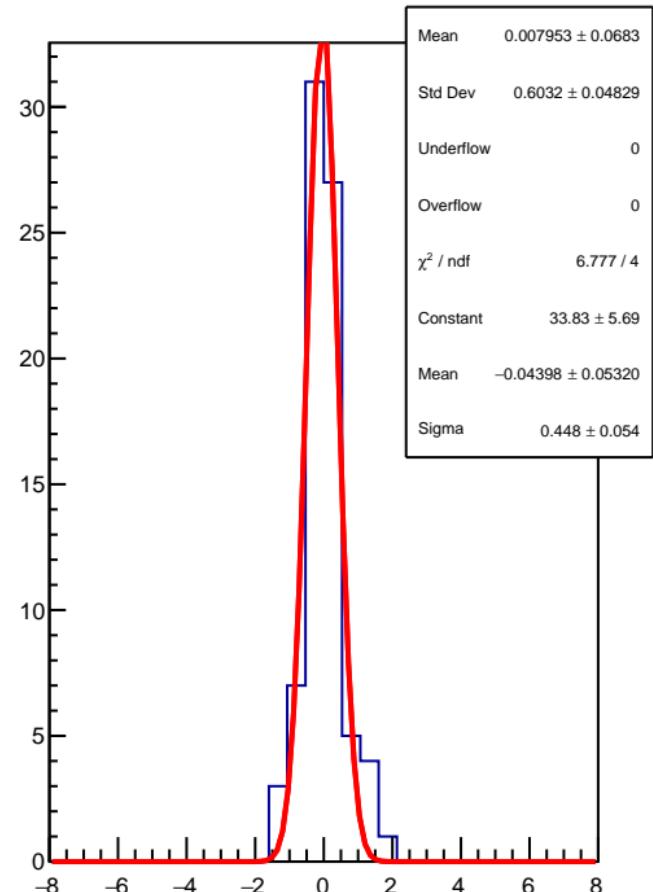
RMS (ppm)



corr_usl_bpm1Y (ppb)



1D pull distribution

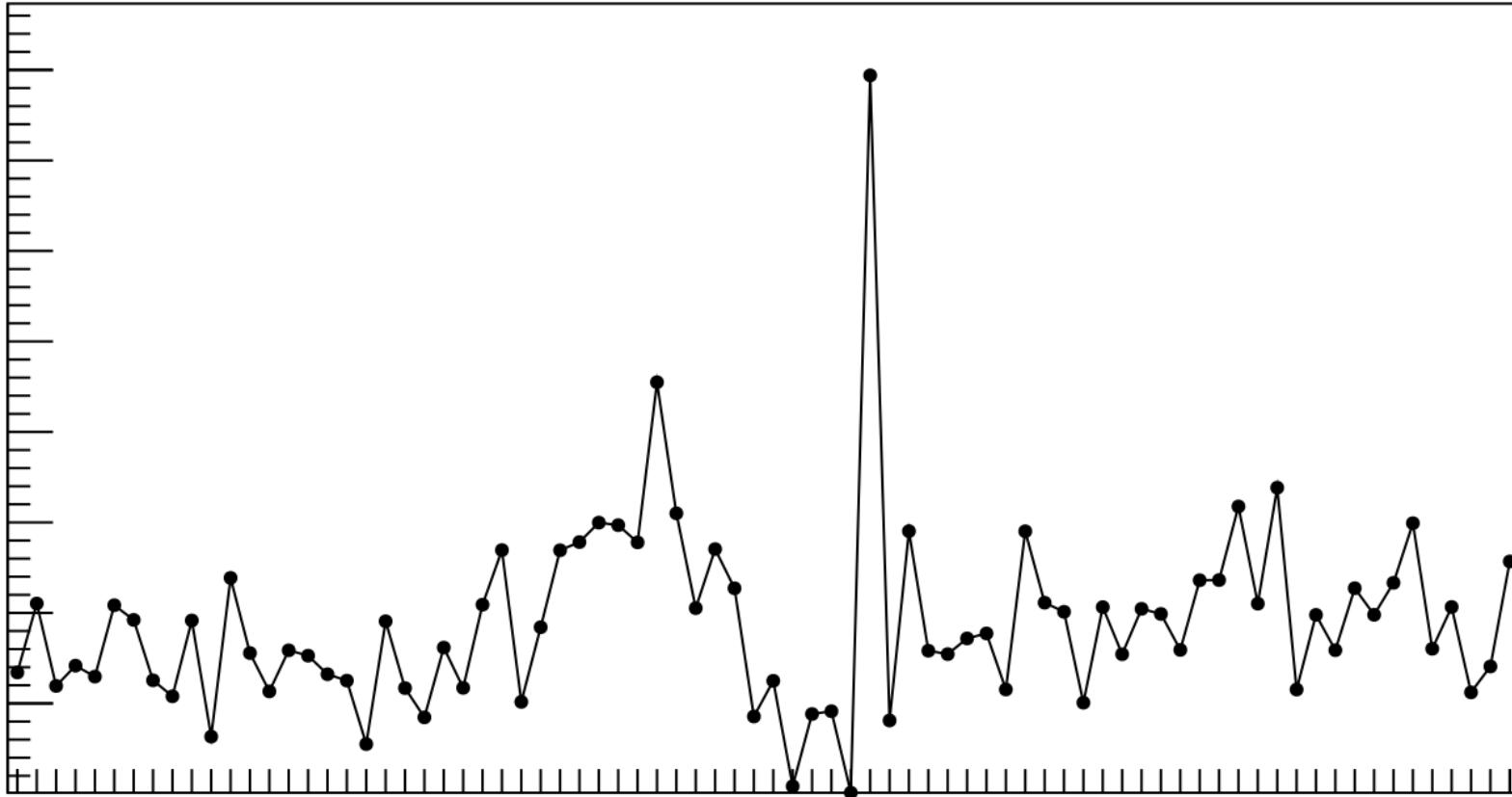


corr_usl_bpm1Y RMS (ppm)

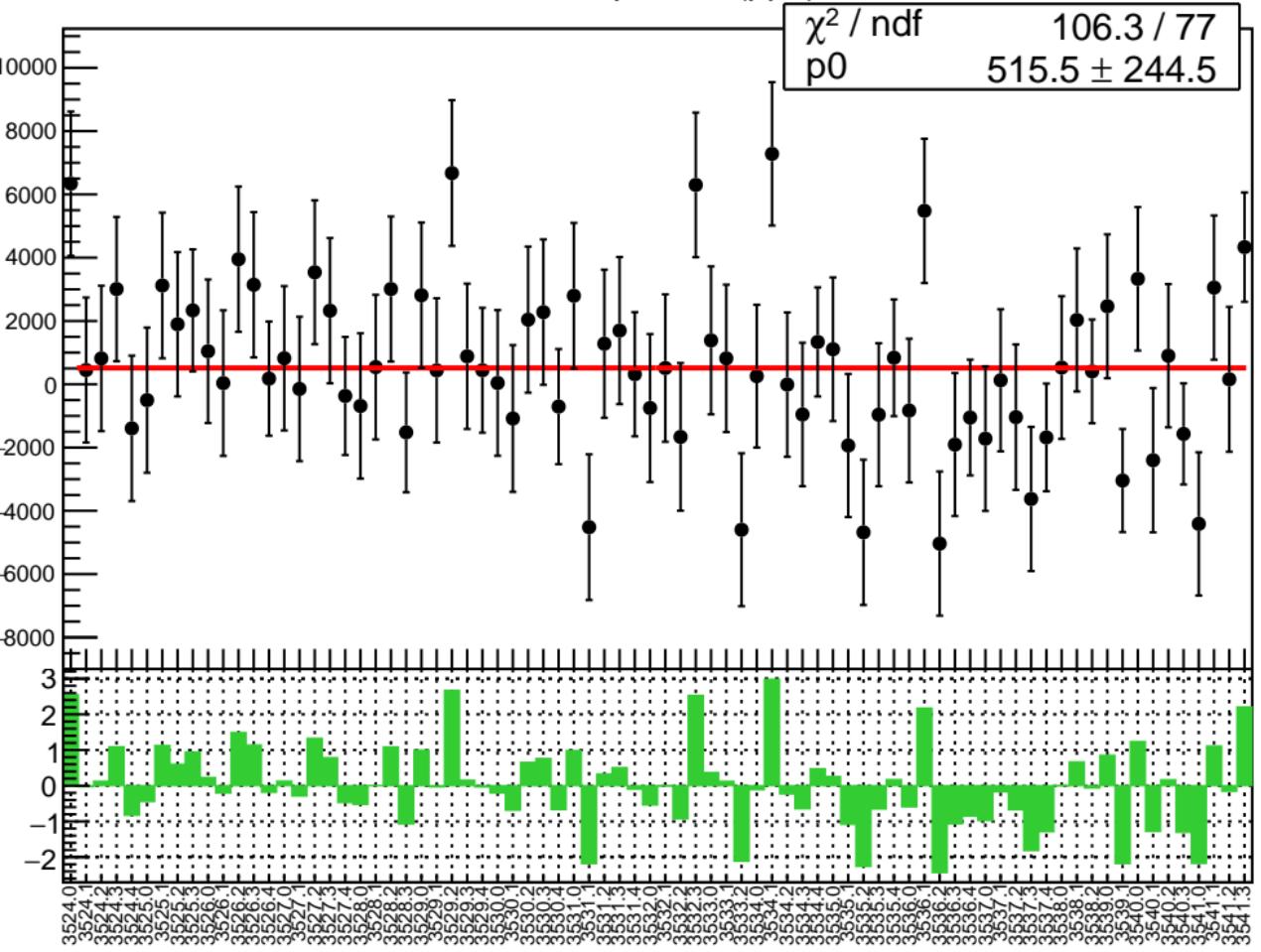
RMS (ppm)

80
70
60
50
40
30
20
10

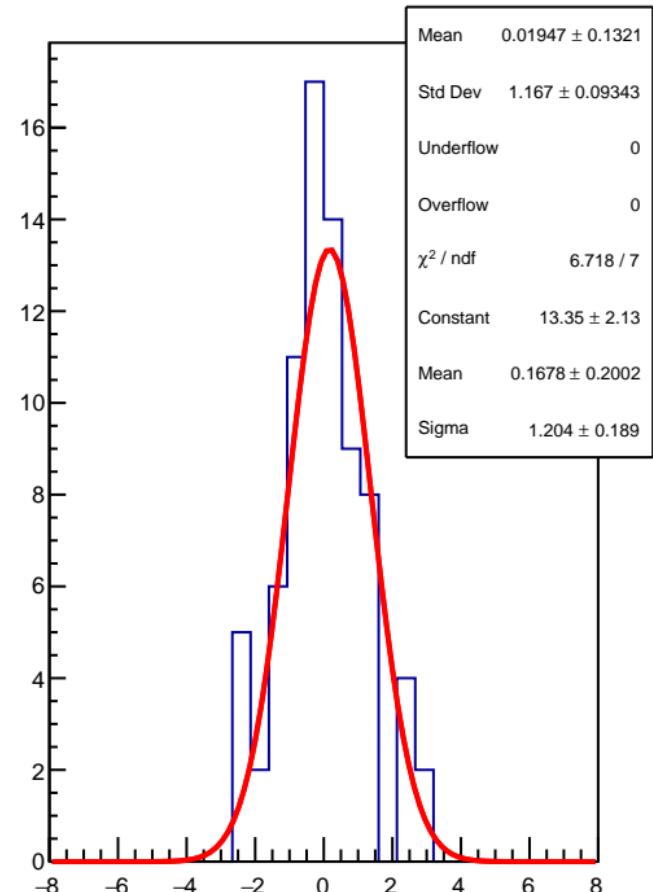
3524.0
3524.1
3524.2
3524.3
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3525.0
3525.1
3525.2
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3526.0
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3539.0
3539.1
3540.0
3540.1
3540.2
3540.3
3541.0
3541.1
3541.2
3541.3



corr_usl_bpm16X (ppb)

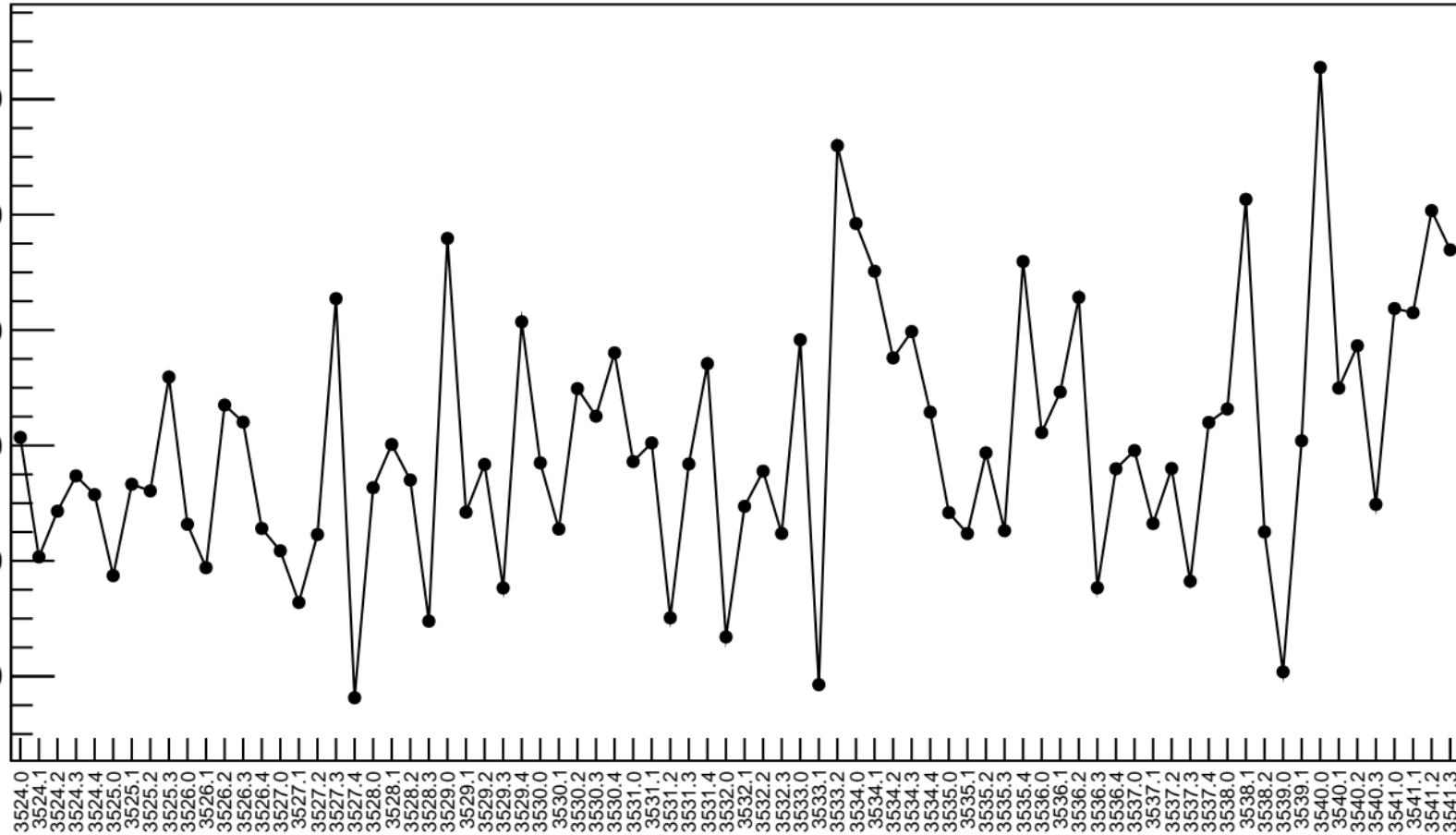


1D pull distribution

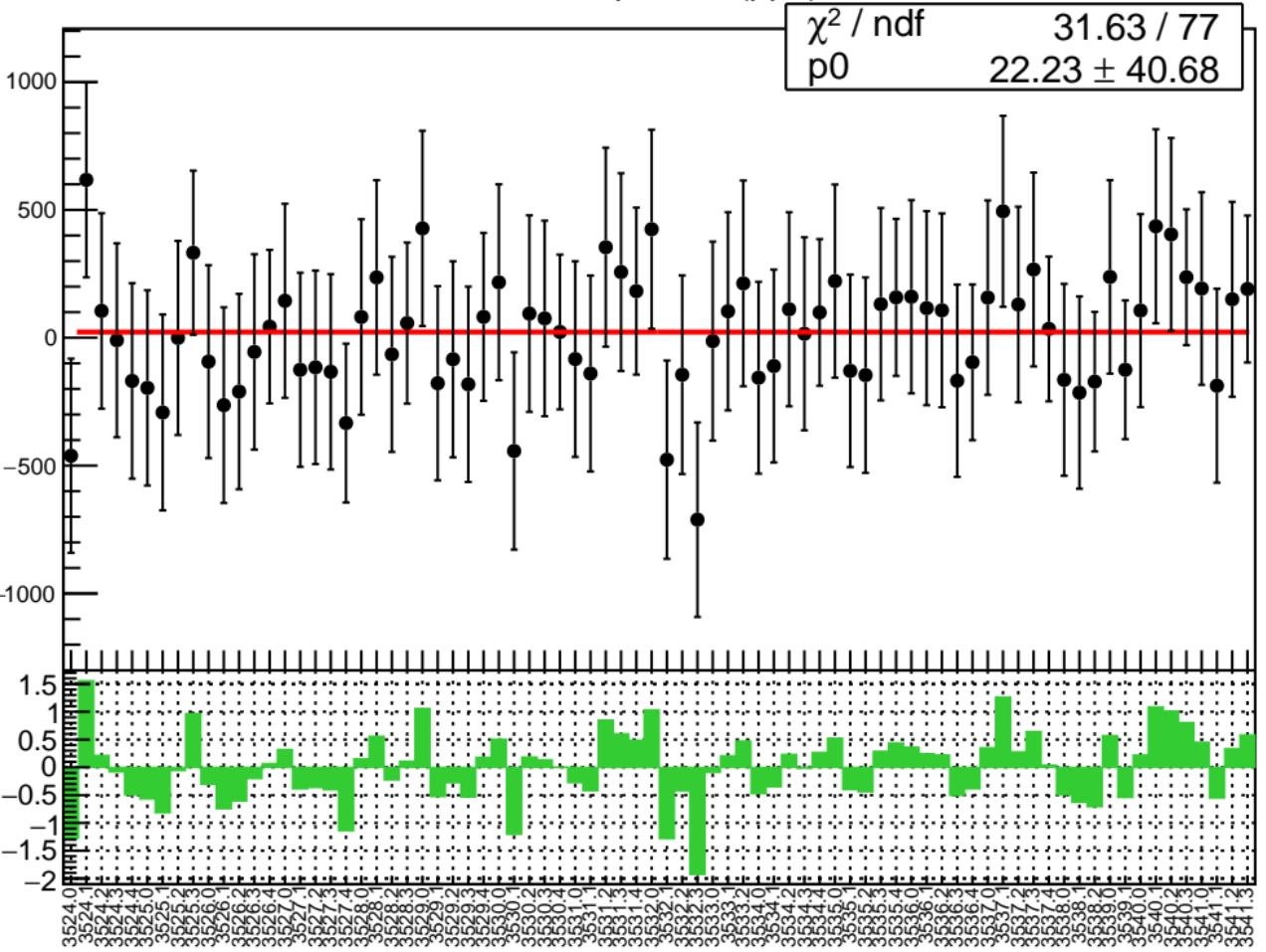


corr_usl_bpm16X RMS (ppm)

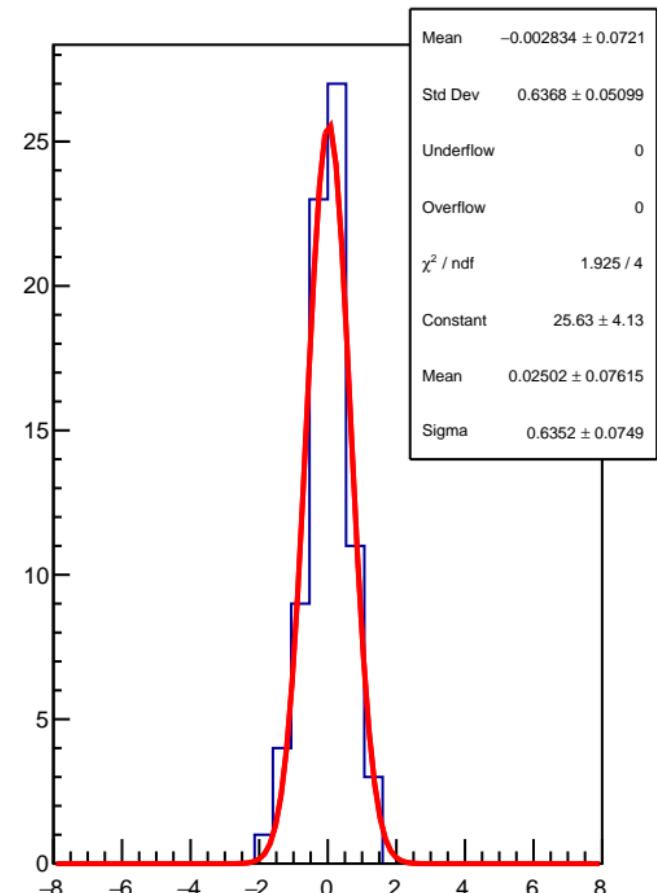
RMS (ppm)



corr_usl_bpm16Y (ppb)

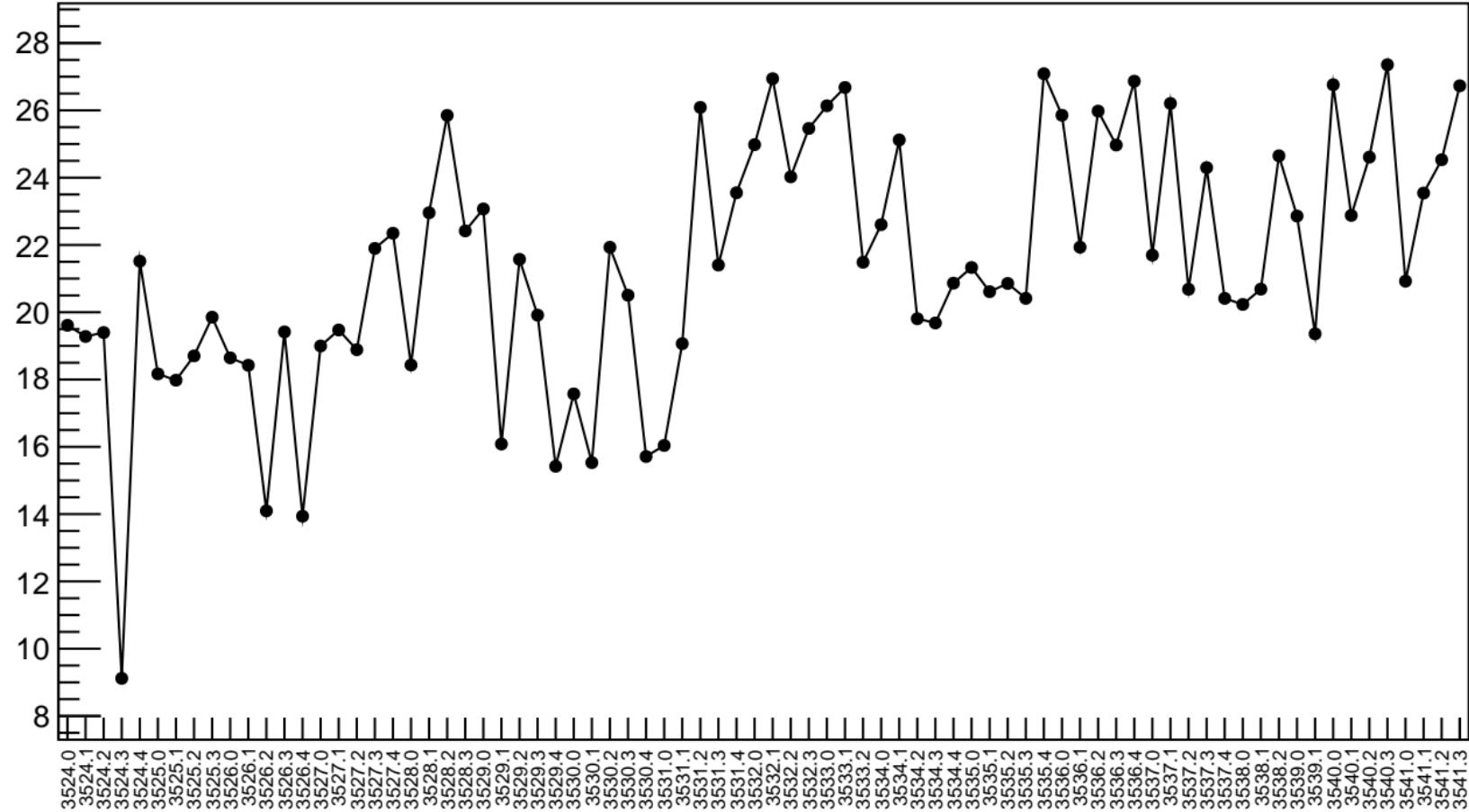


1D pull distribution

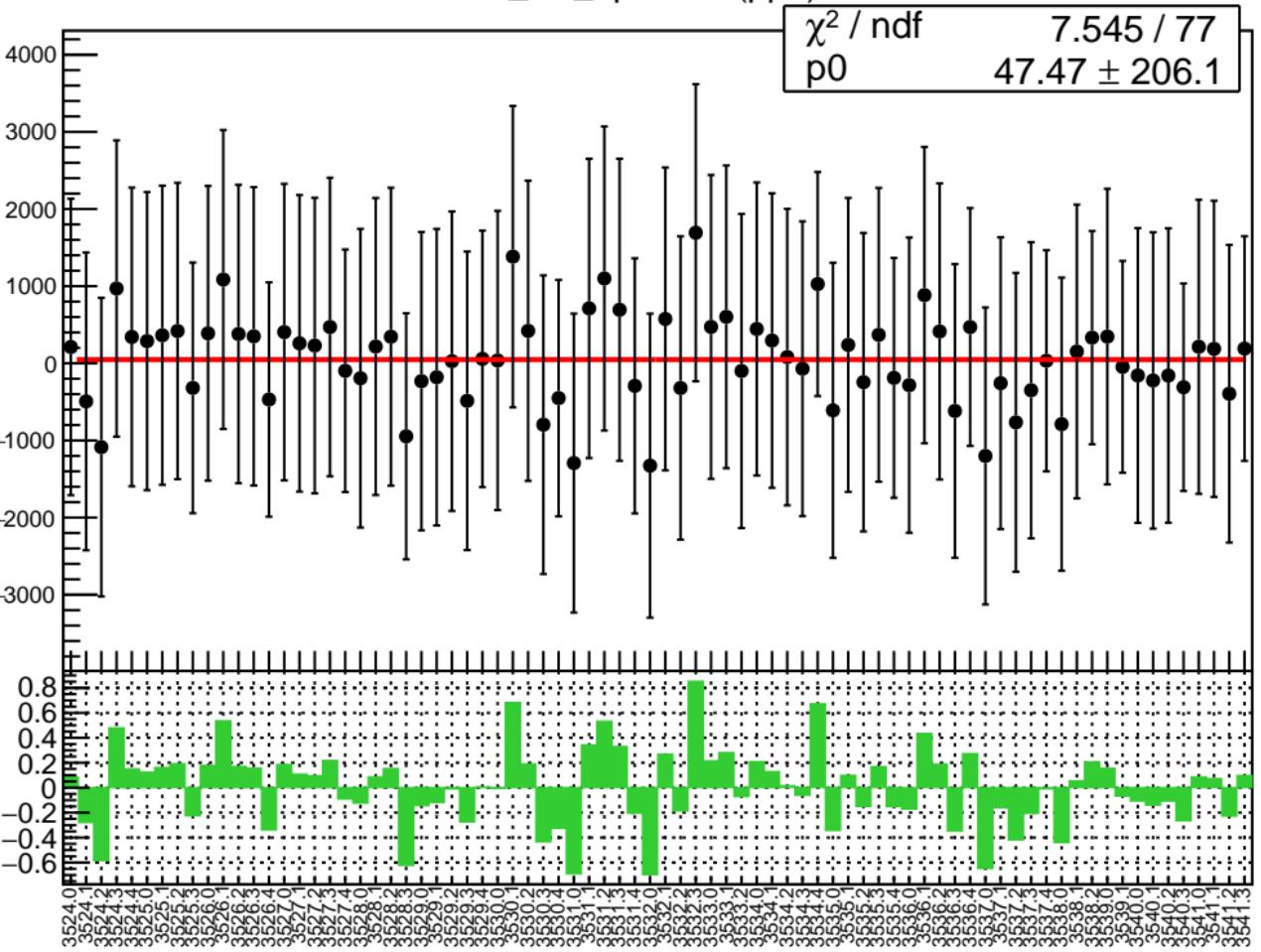


corr_usl_bpm16Y RMS (ppm)

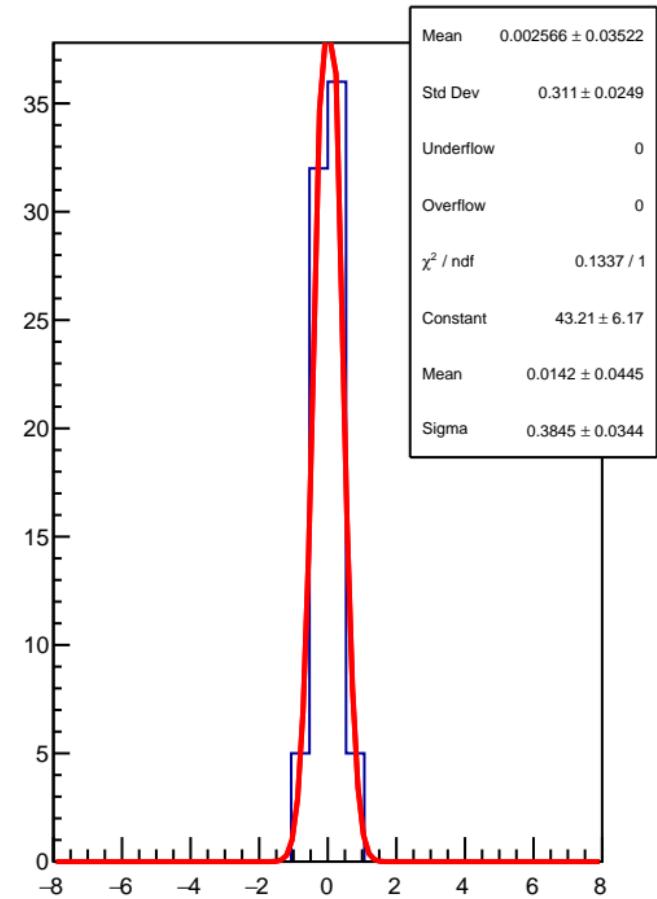
RMS (ppm)



corr_usl_bpm12X (ppb)

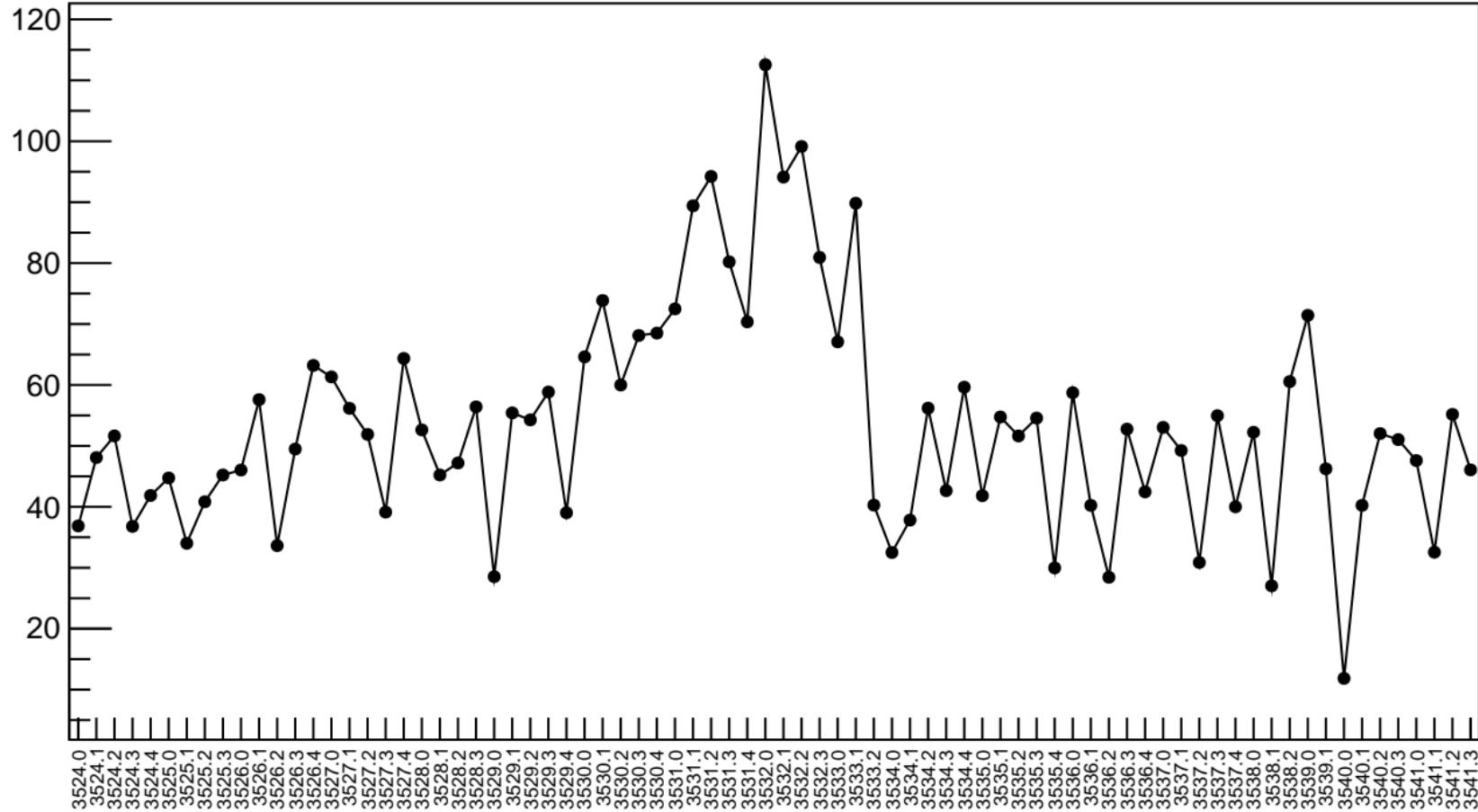


1D pull distribution

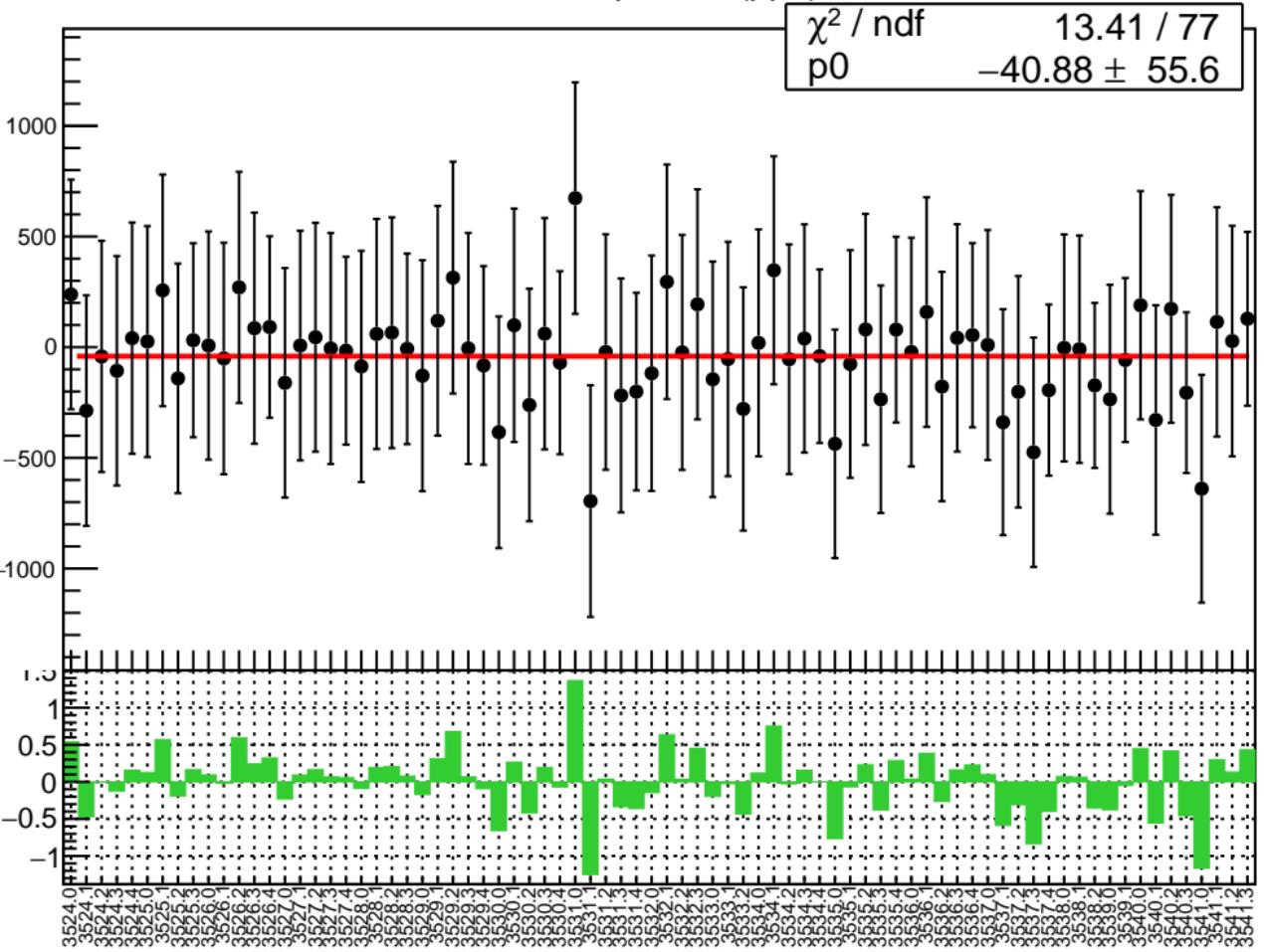


corr_usl_bpm12X RMS (ppm)

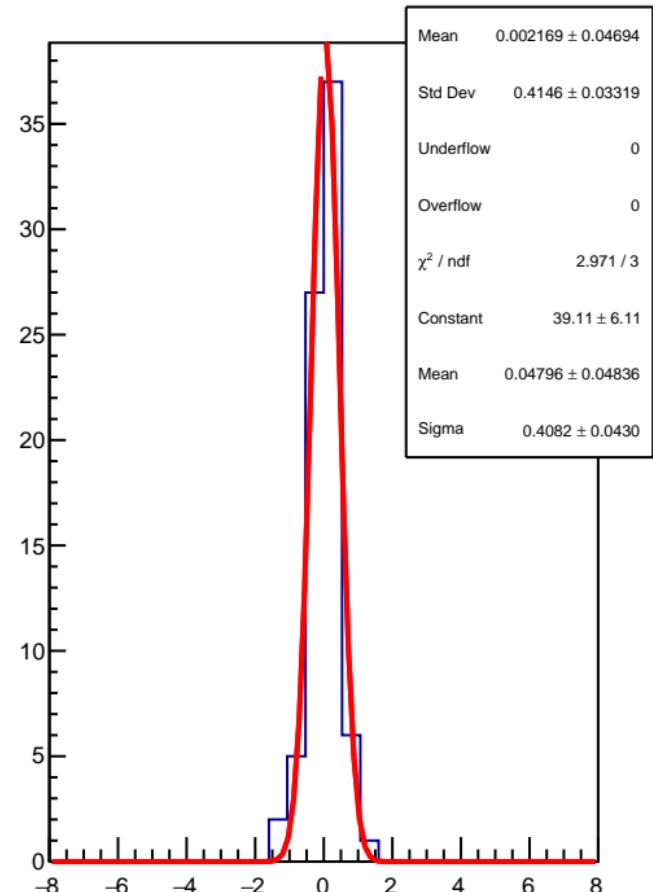
RMS (ppm)



corr_usl_bpm12Y (ppb)

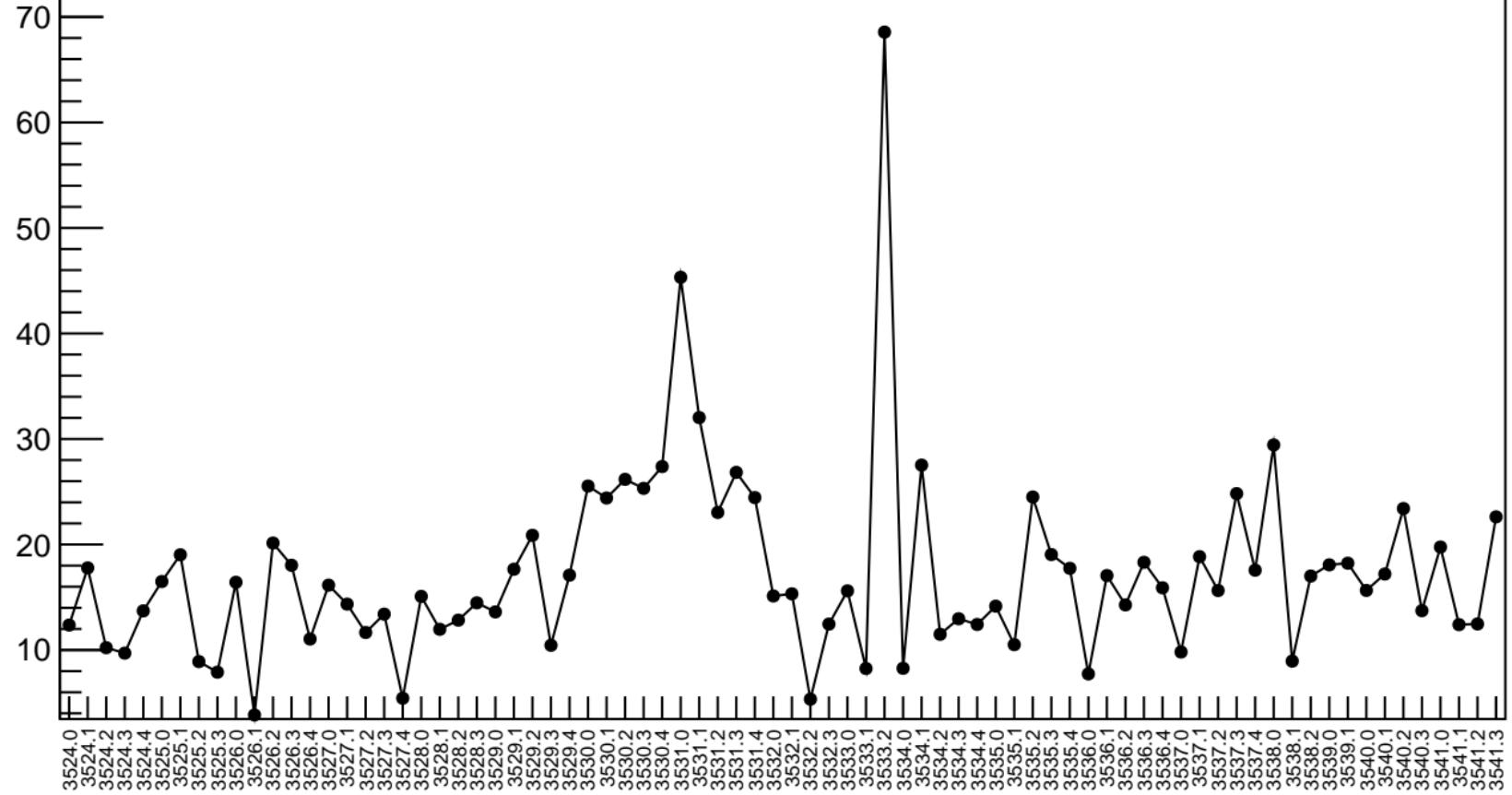


1D pull distribution



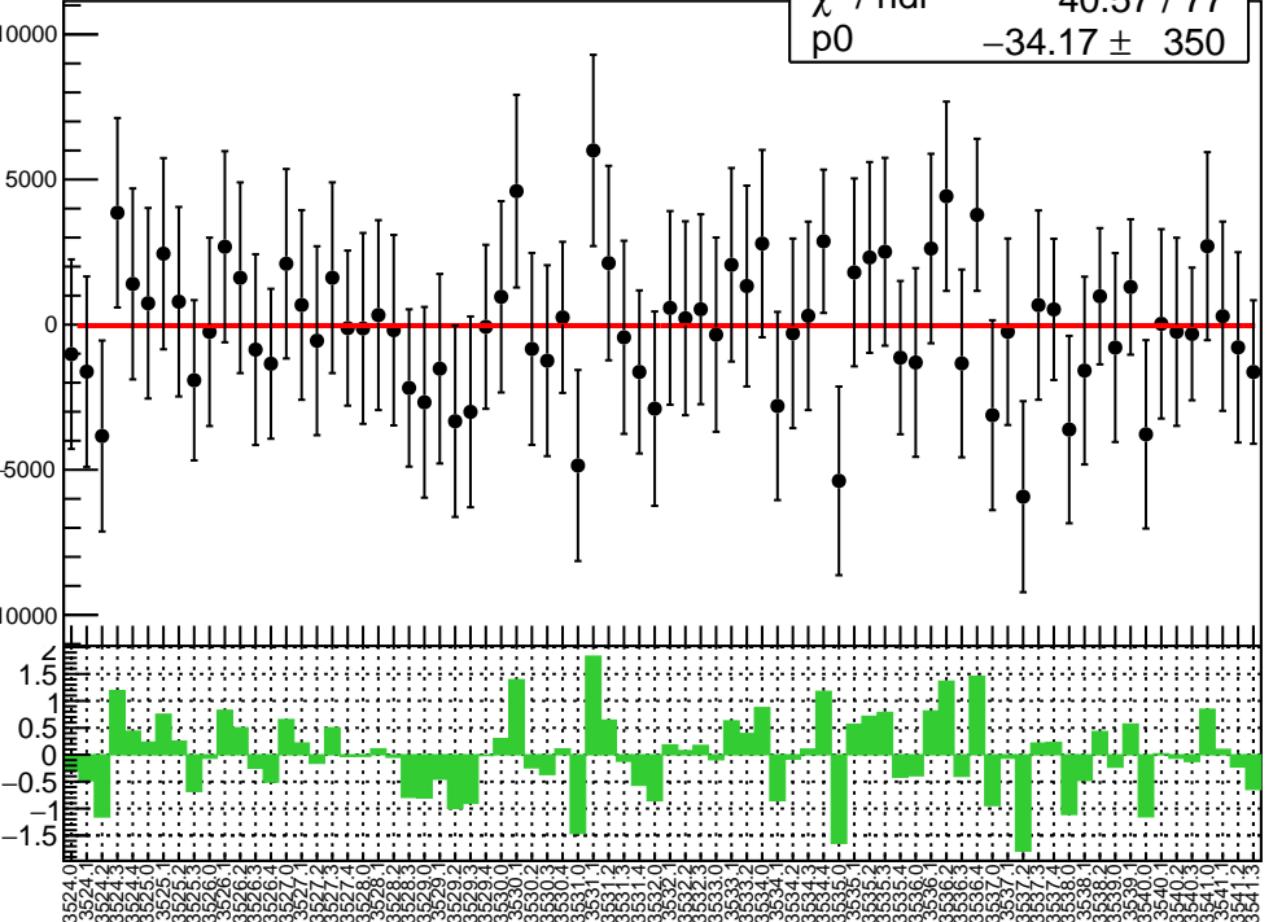
corr_usl_bpm12Y RMS (ppm)

RMS (ppm)

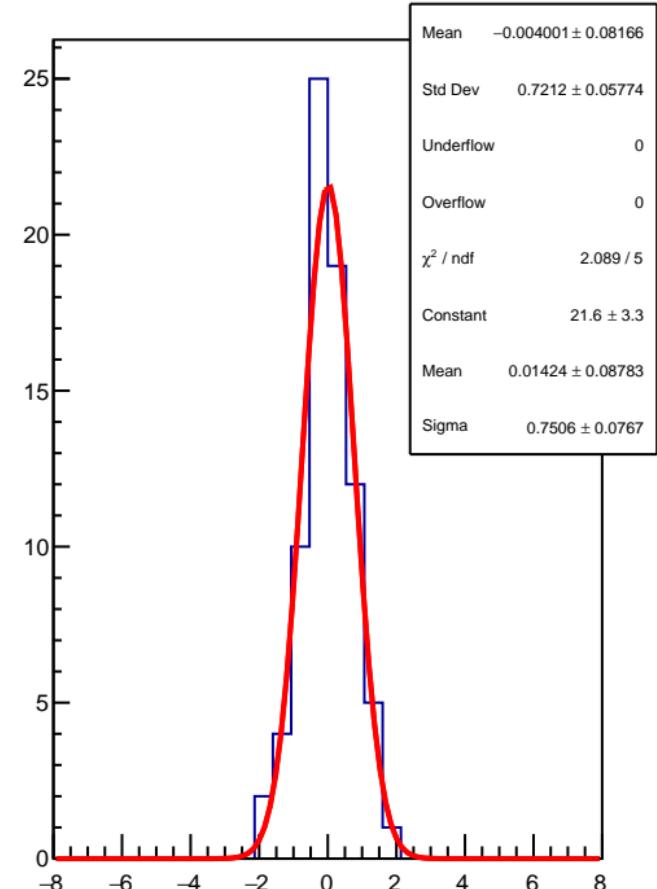


corr_usl_bpm11X (ppb)

χ^2 / ndf 40.57 / 77
p0 -34.17 ± 350

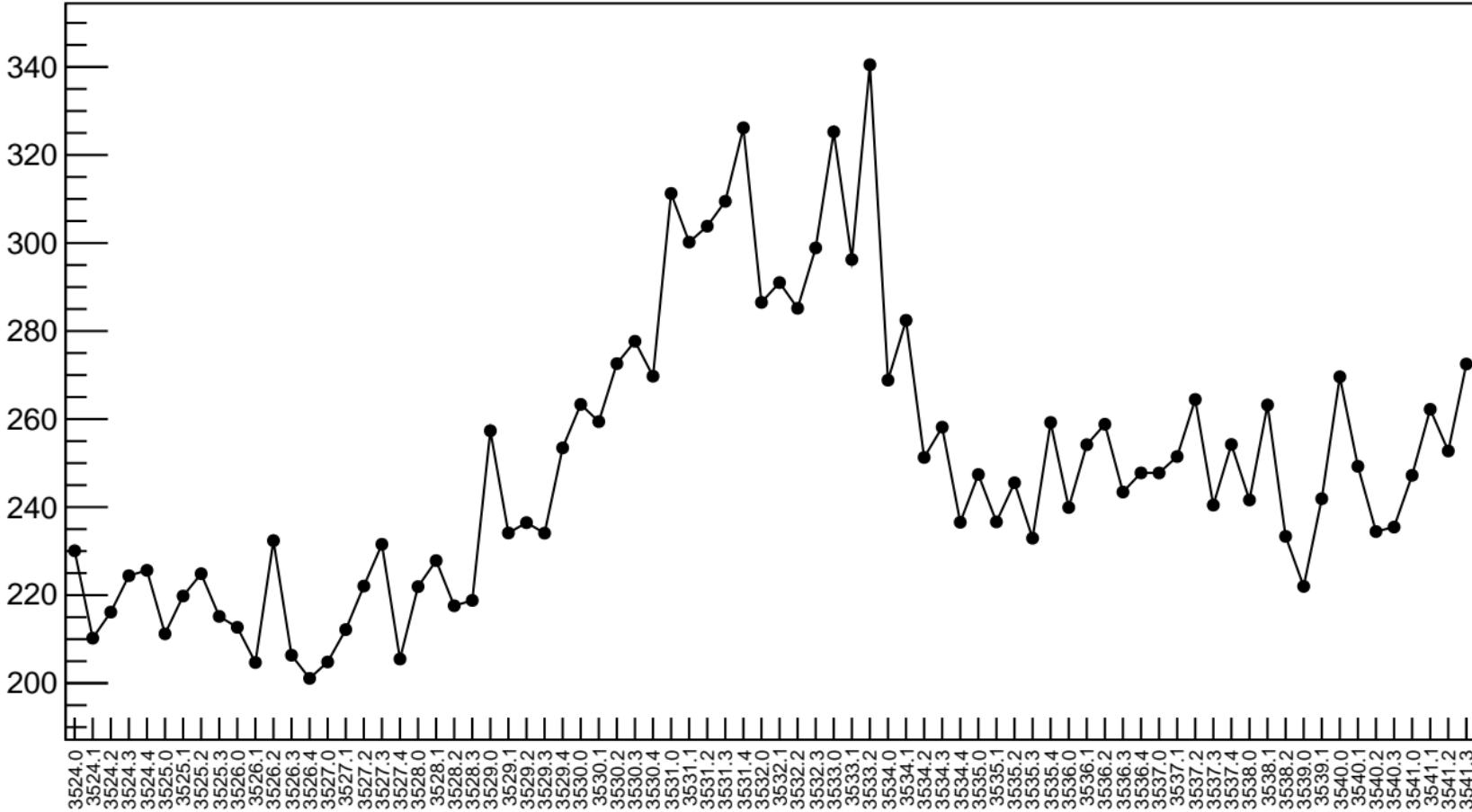


1D pull distribution

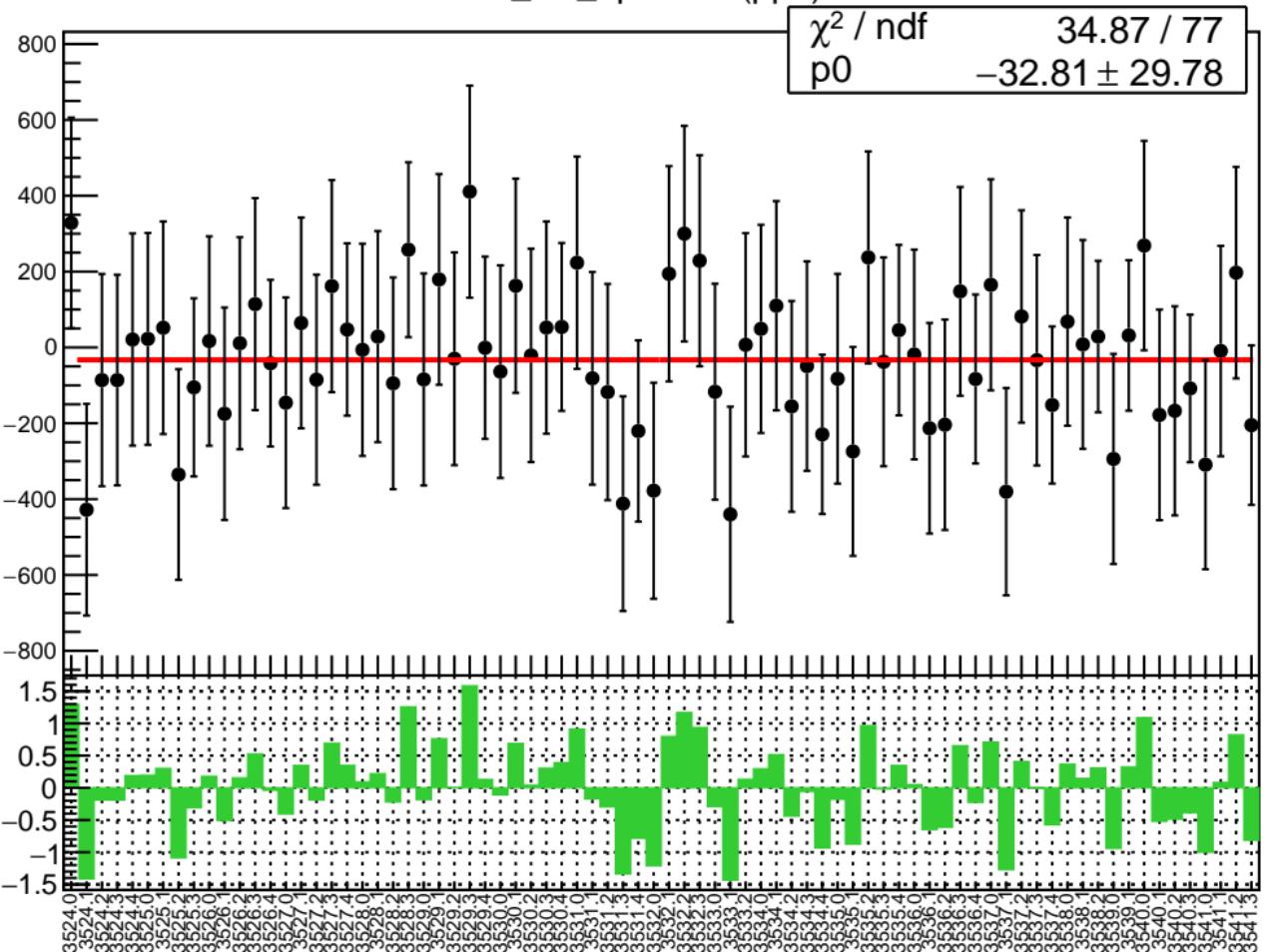


corr_usl_bpm11X RMS (ppm)

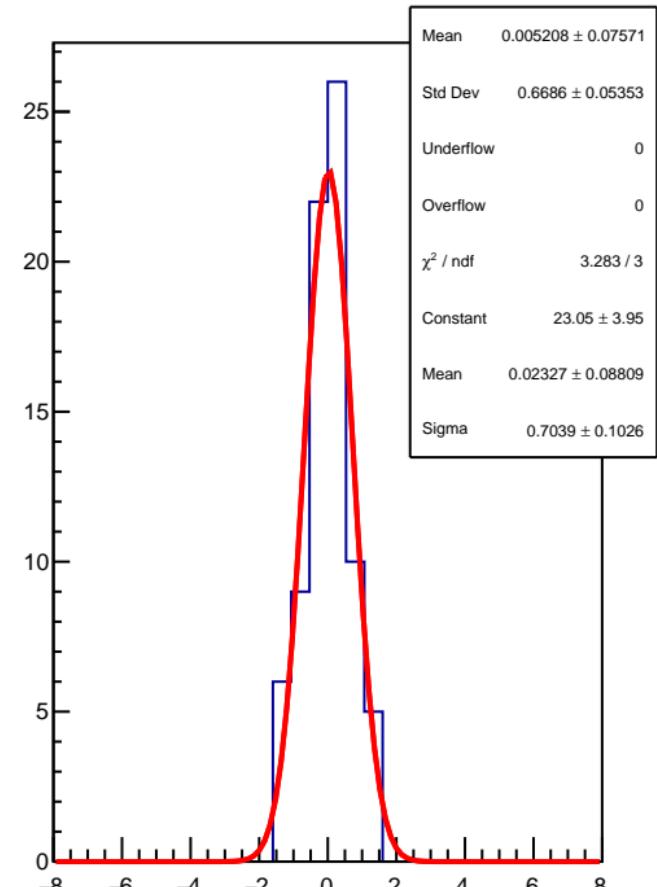
RMS (ppm)



corr_usl_bpm11Y (ppb)

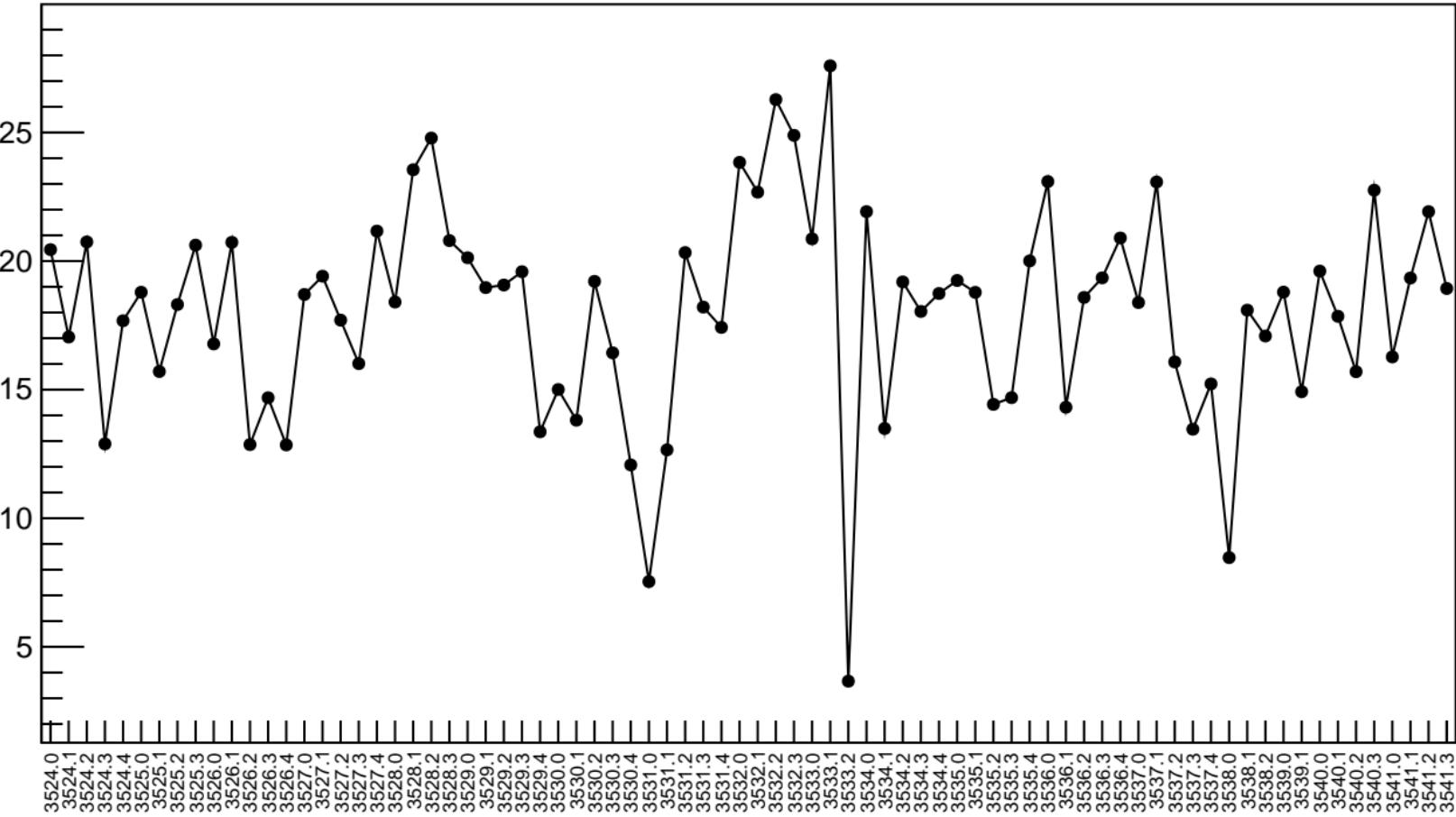


1D pull distribution

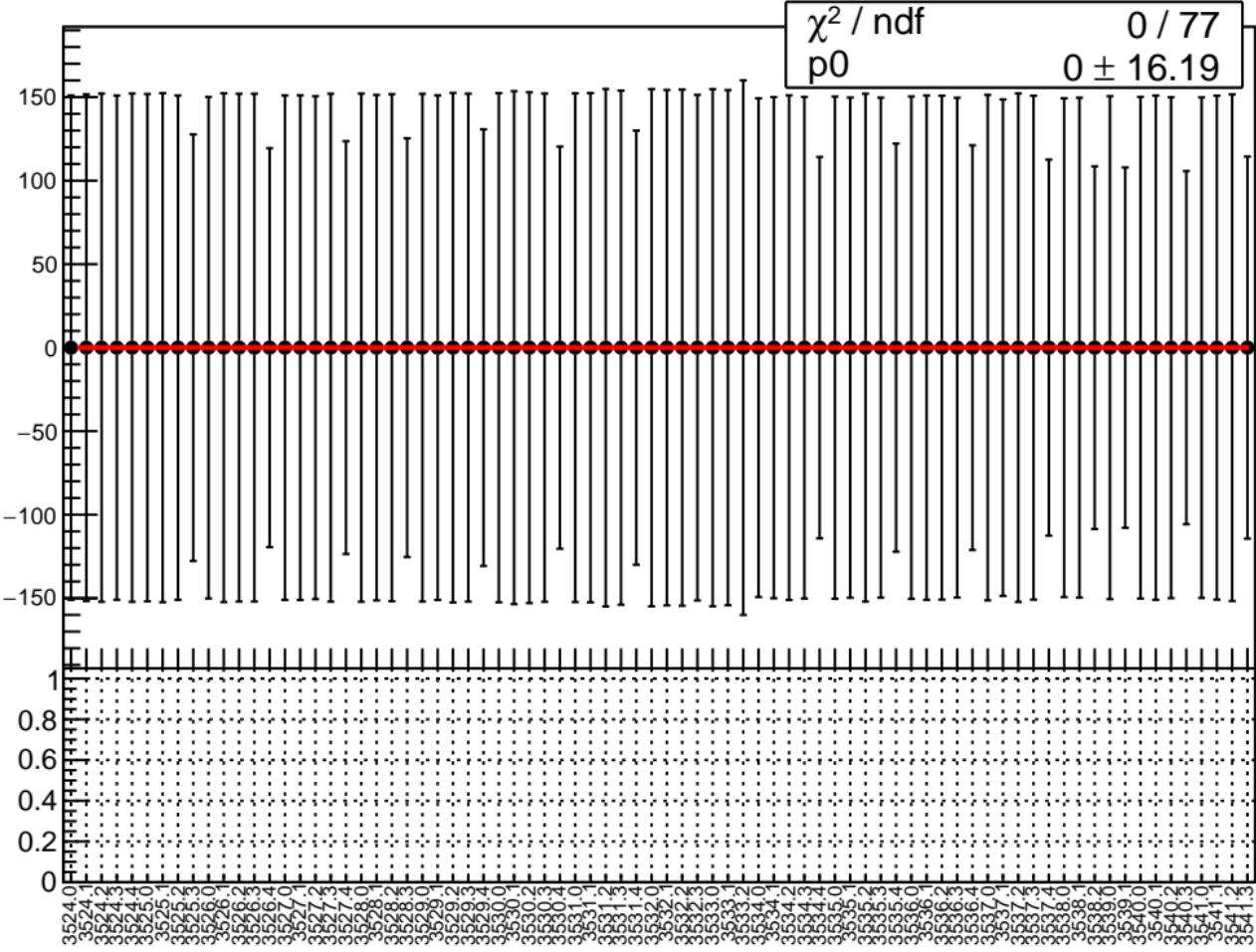


corr_usl_bpm11Y RMS (ppm)

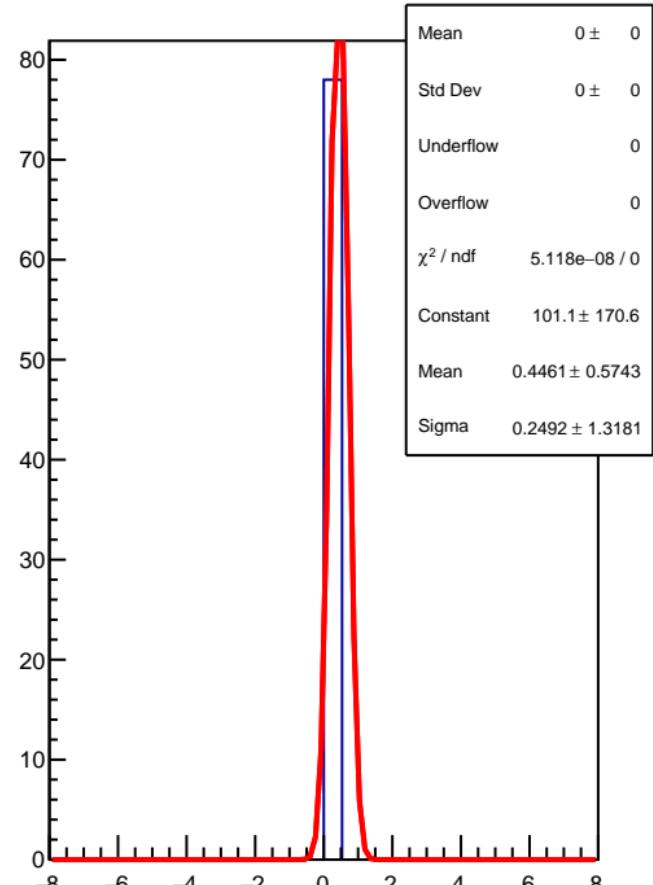
RMS (ppm)



corr_usl_bpm8X (ppb)

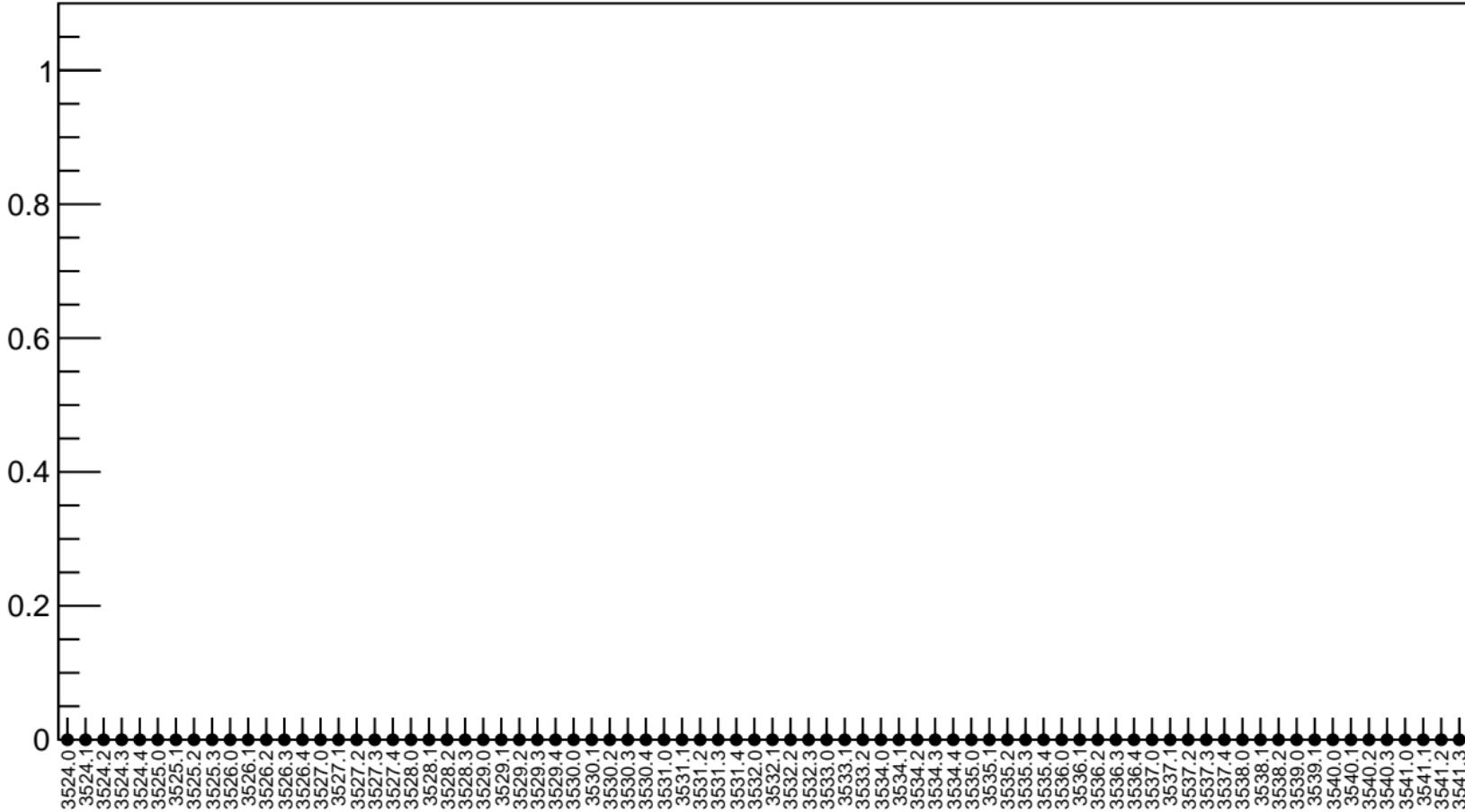


1D pull distribution

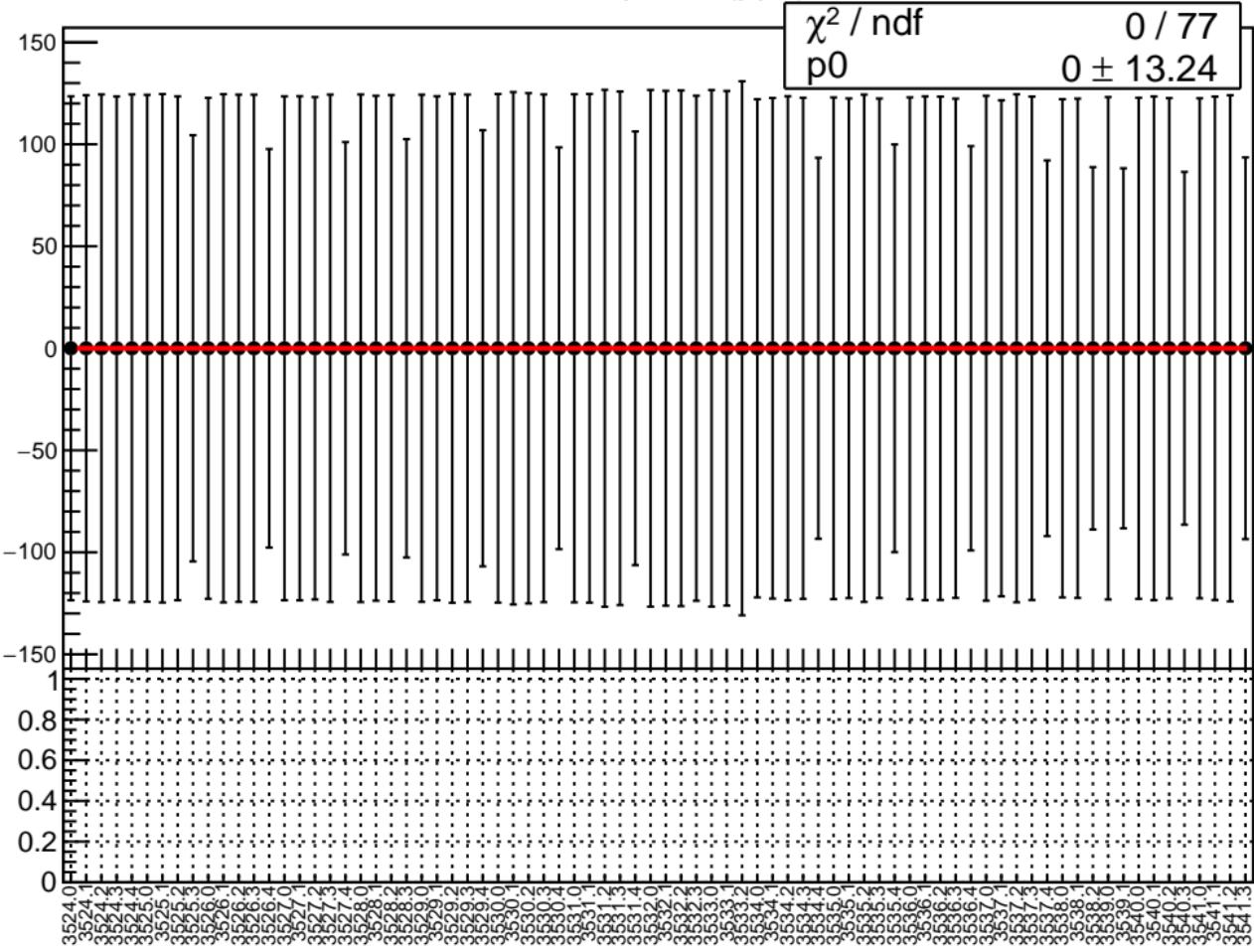


corr_usl_bpm8X RMS (ppm)

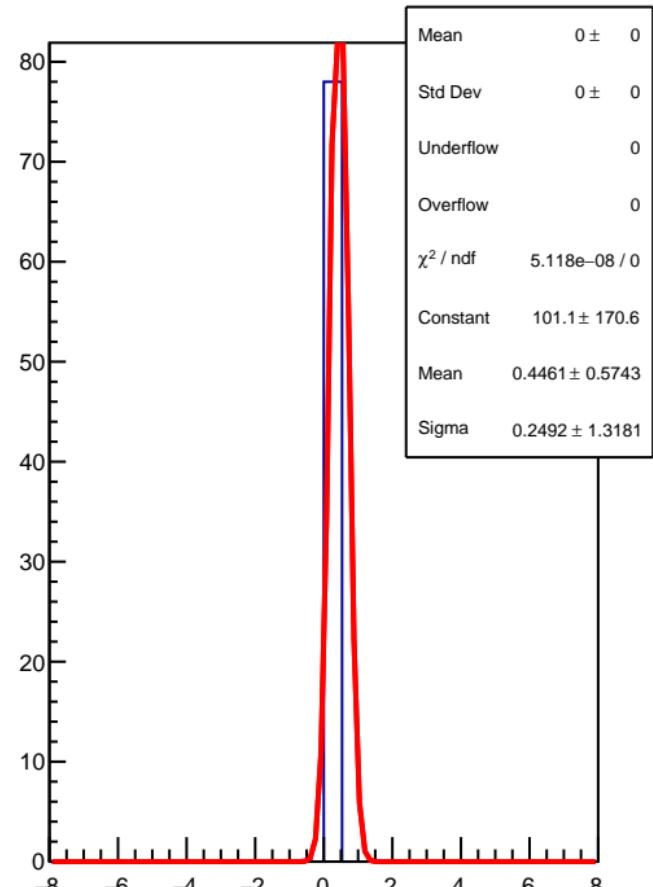
RMS (ppm)



corr_usl_bpm8Y (ppb)



1D pull distribution



corr_usl_bpm8Y RMS (ppm)

RMS (ppm)

