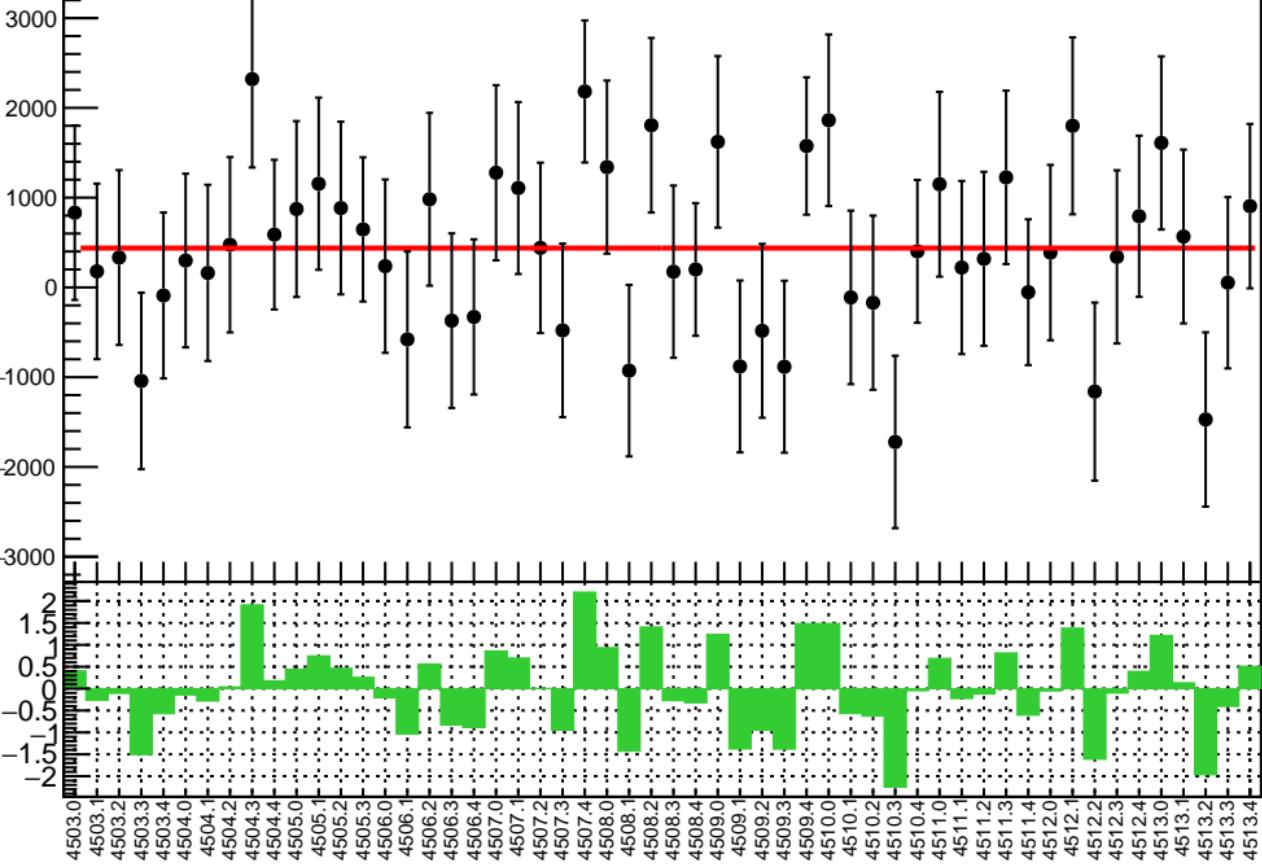
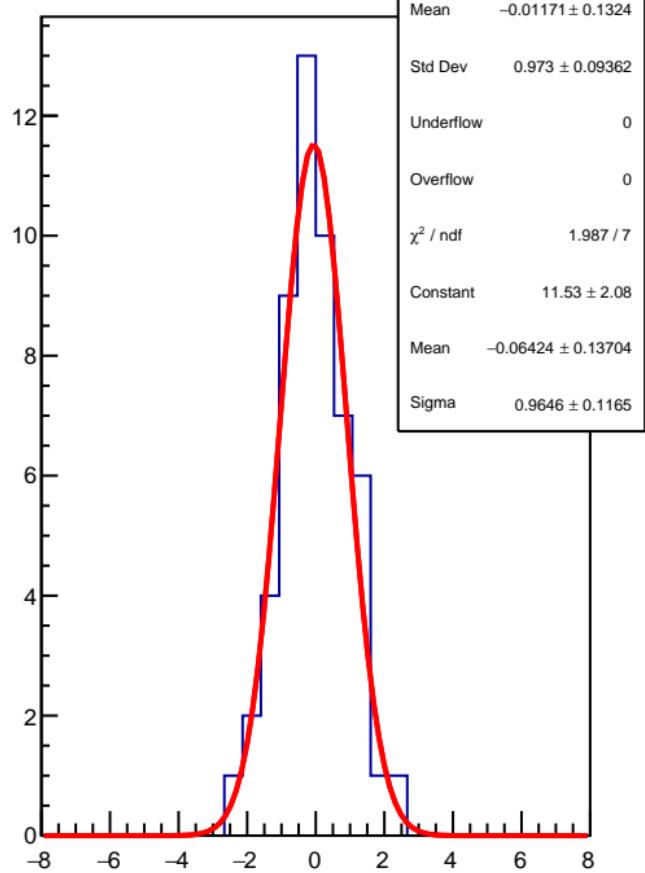


Adet (ppb)

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

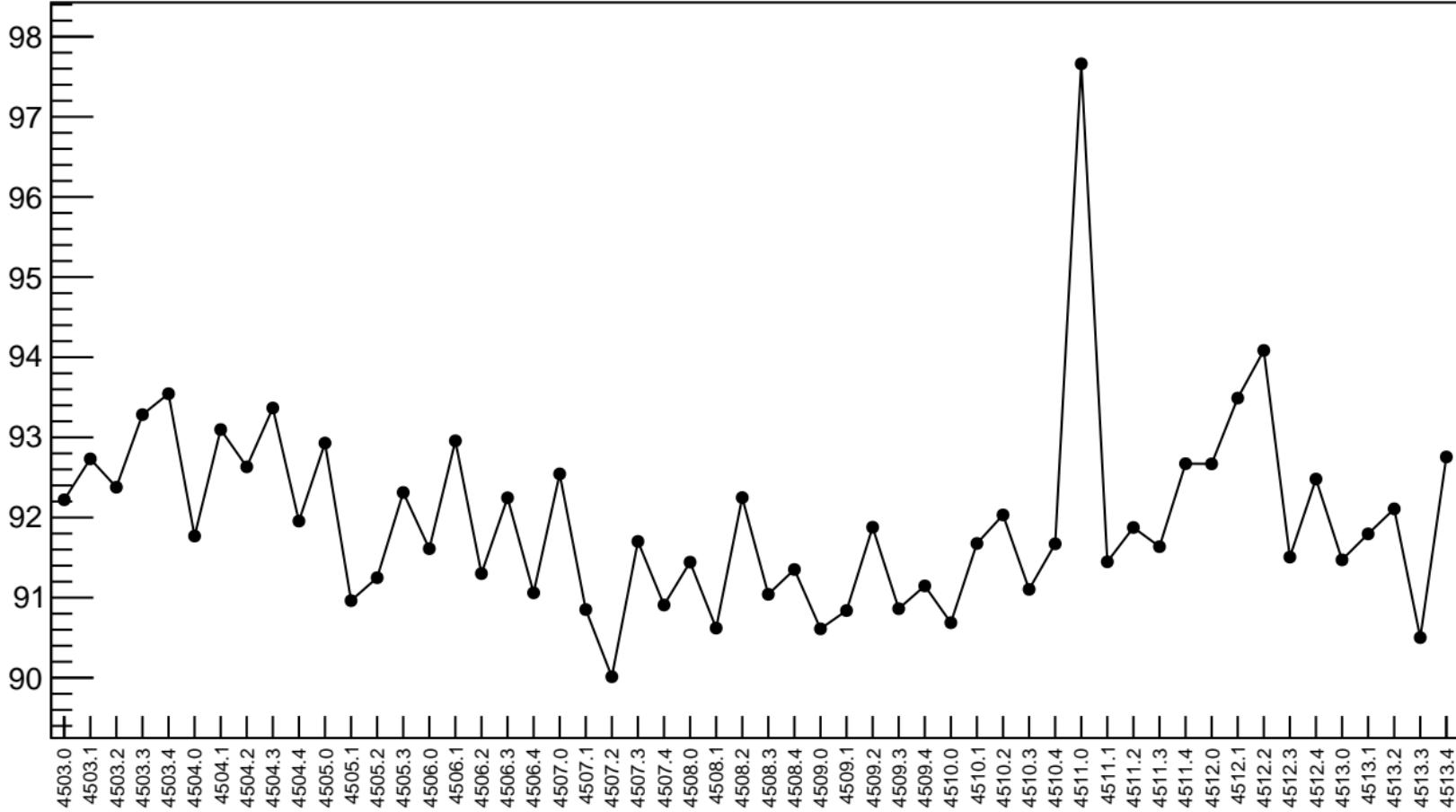


1D pull distribution



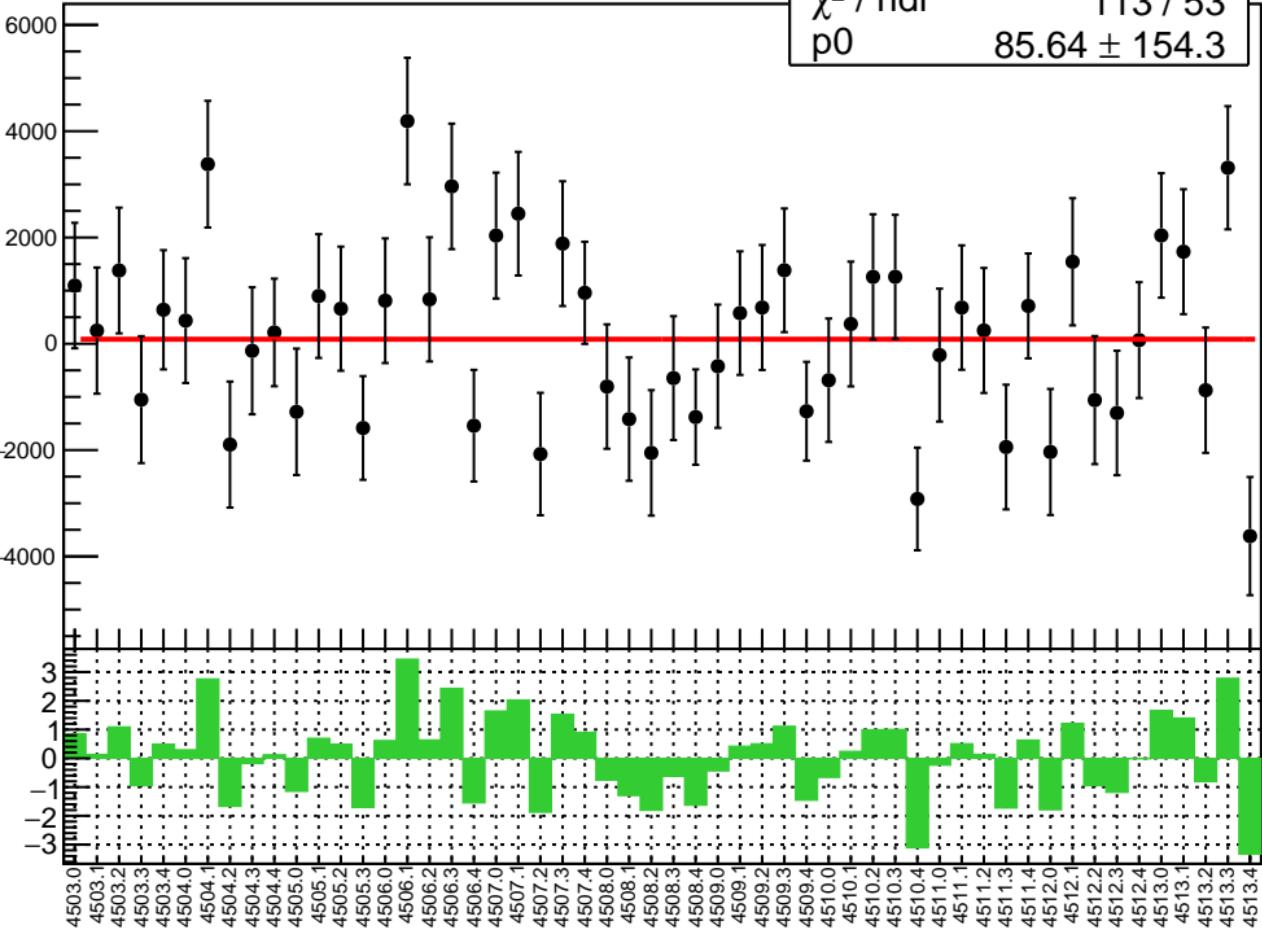
# Adet RMS (ppm)

RMS (ppm)

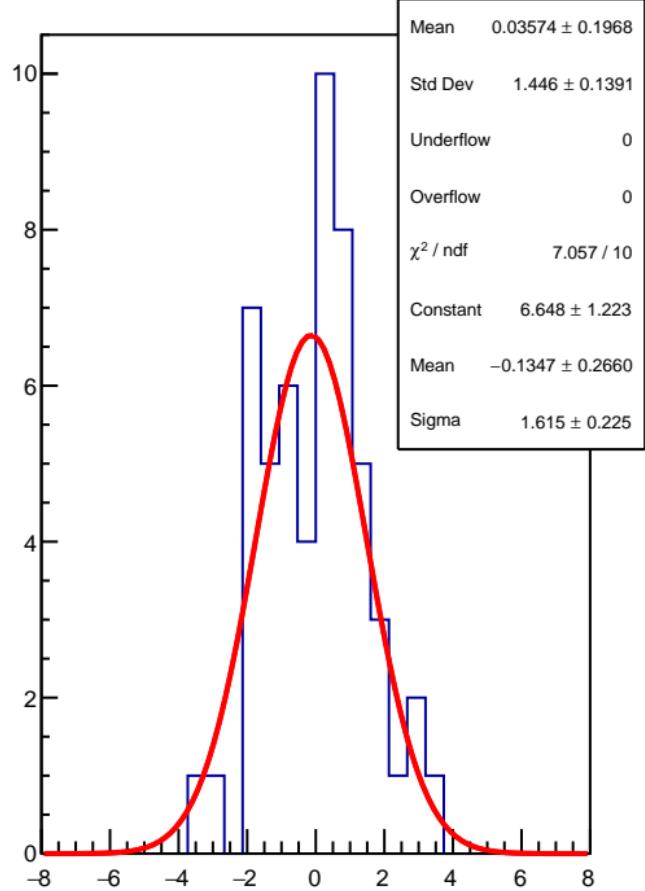


corr\_Adet\_evMon0 (ppb)

$\chi^2 / \text{ndf}$  113 / 53  
p0  $85.64 \pm 154.3$

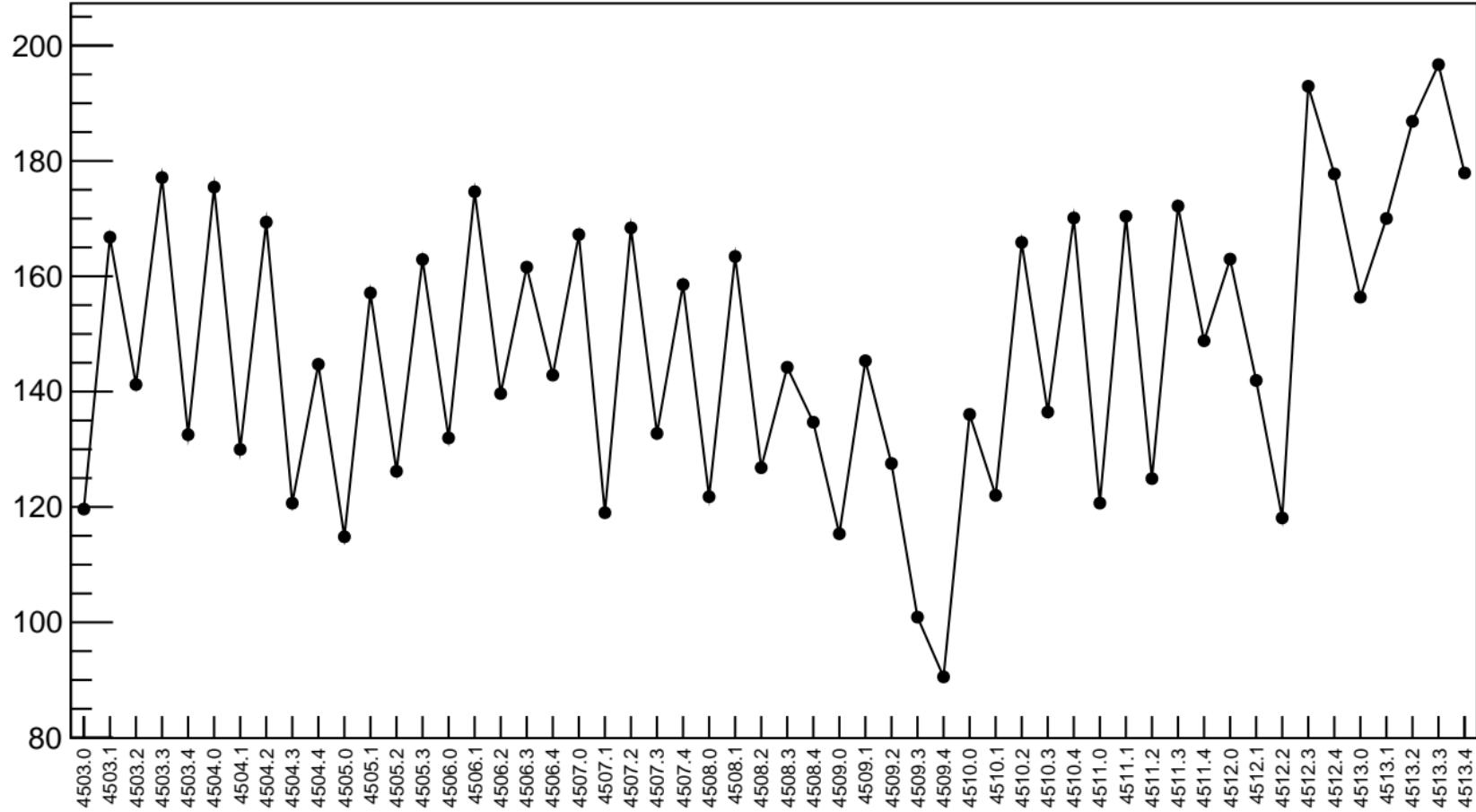


1D pull distribution

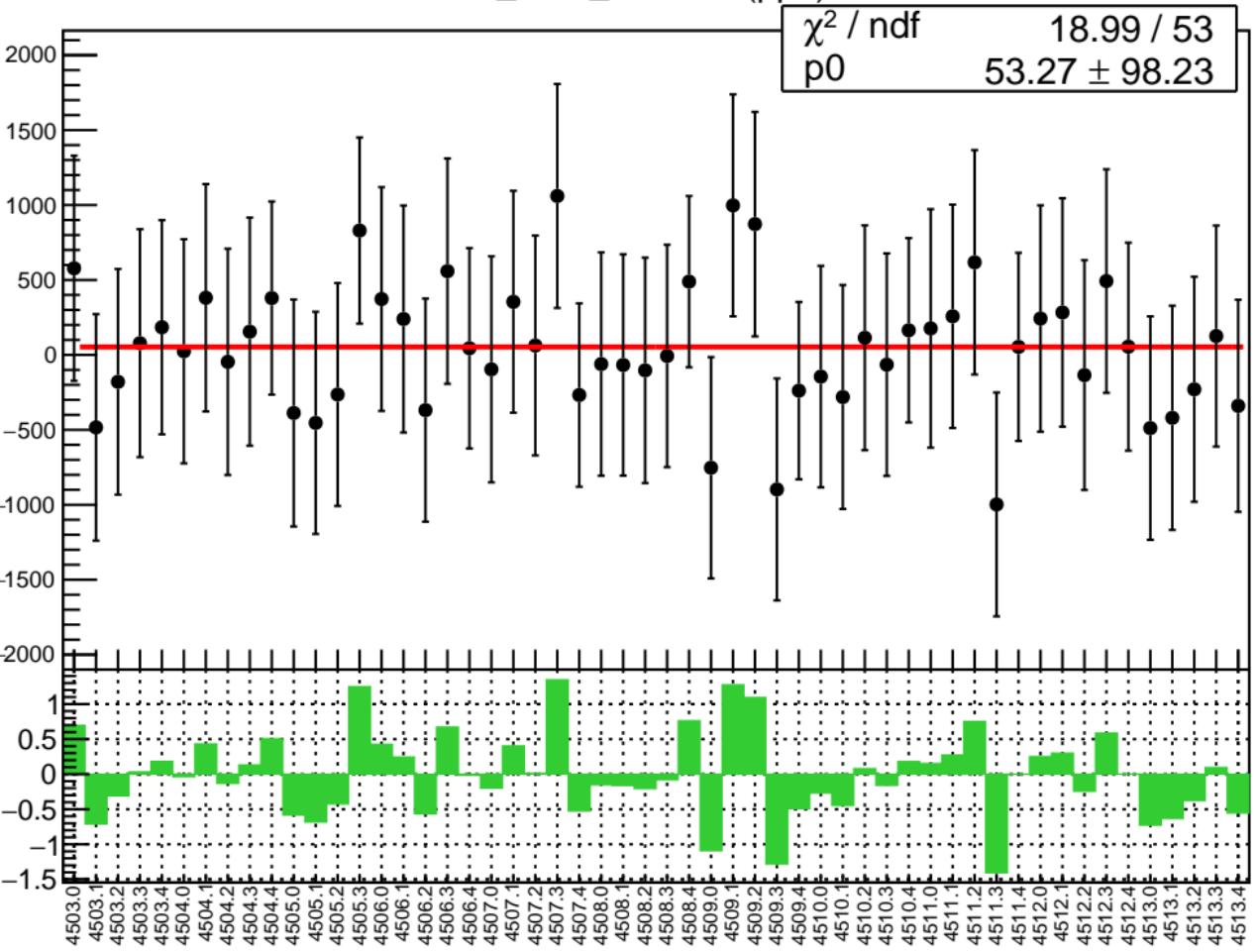


# corr\_Adet\_evMon0 RMS (ppm)

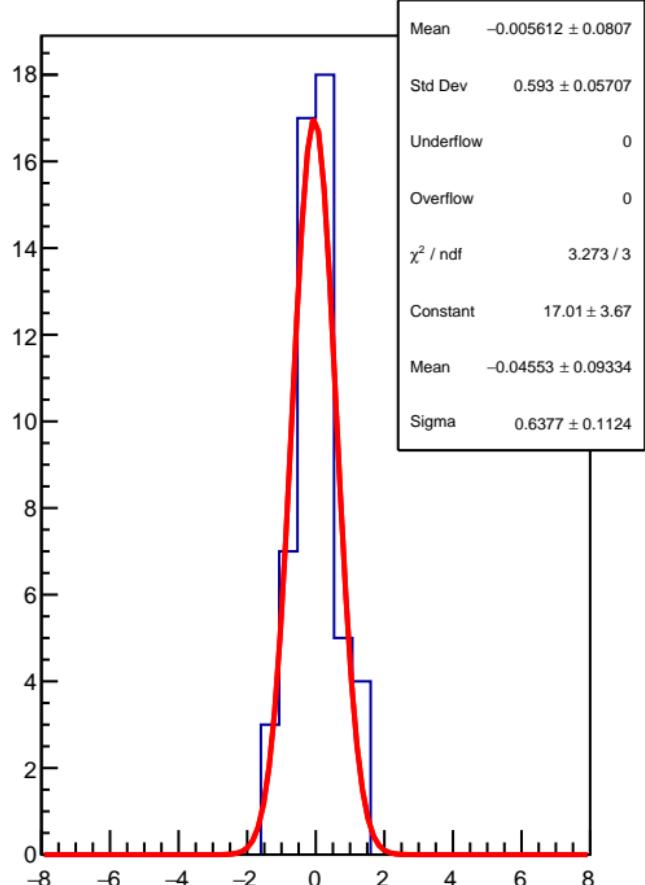
RMS (ppm)



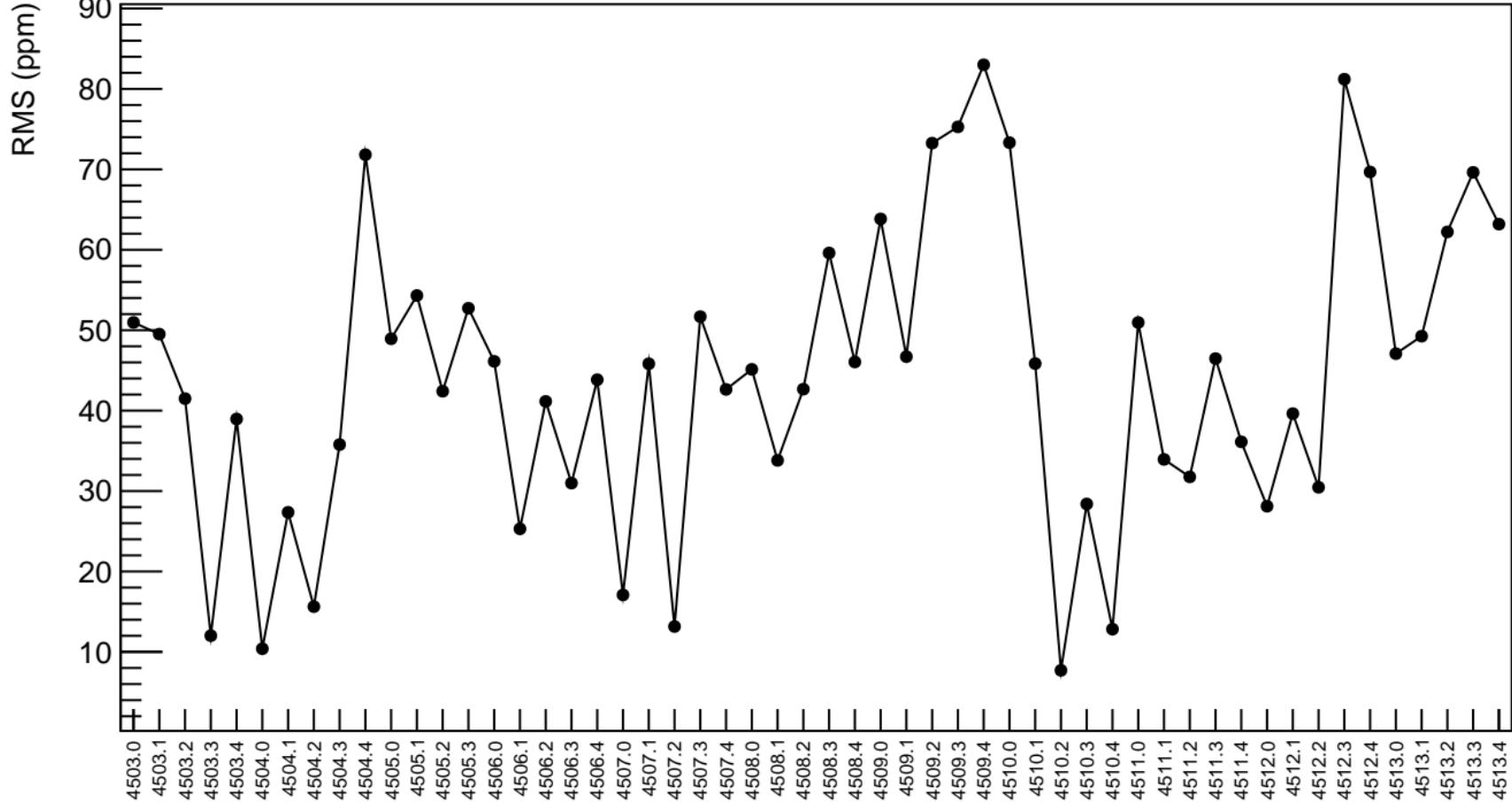
corr\_Adet\_evMon1 (ppb)



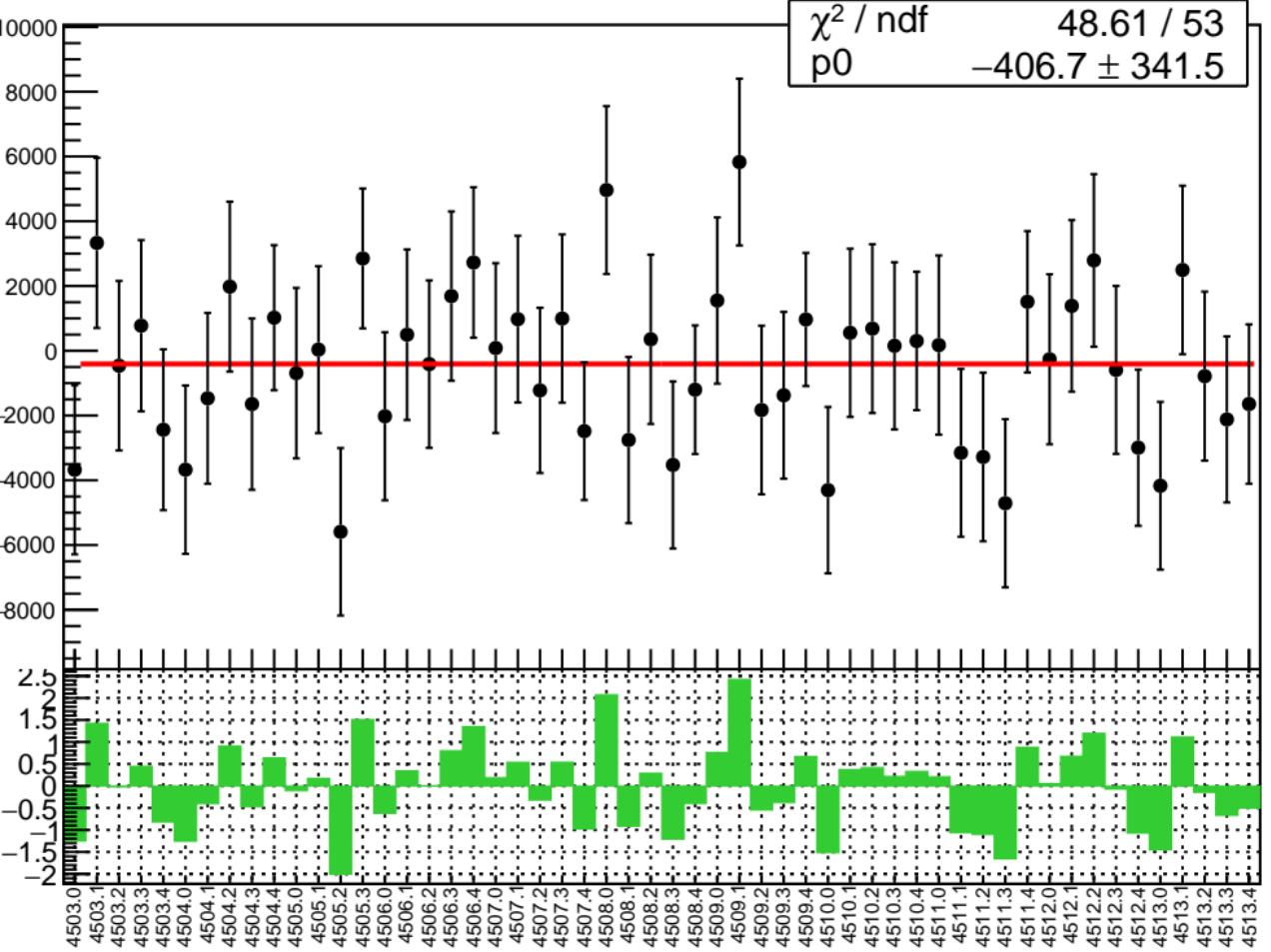
1D pull distribution



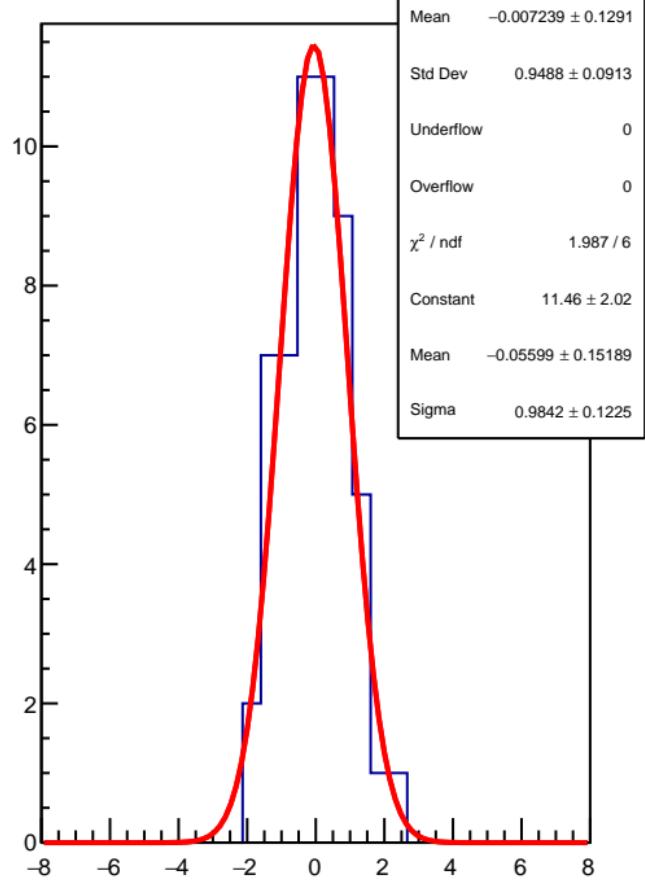
# corr\_Adet\_evMon1 RMS (ppm)



corr\_Adet\_evMon2 (ppb)

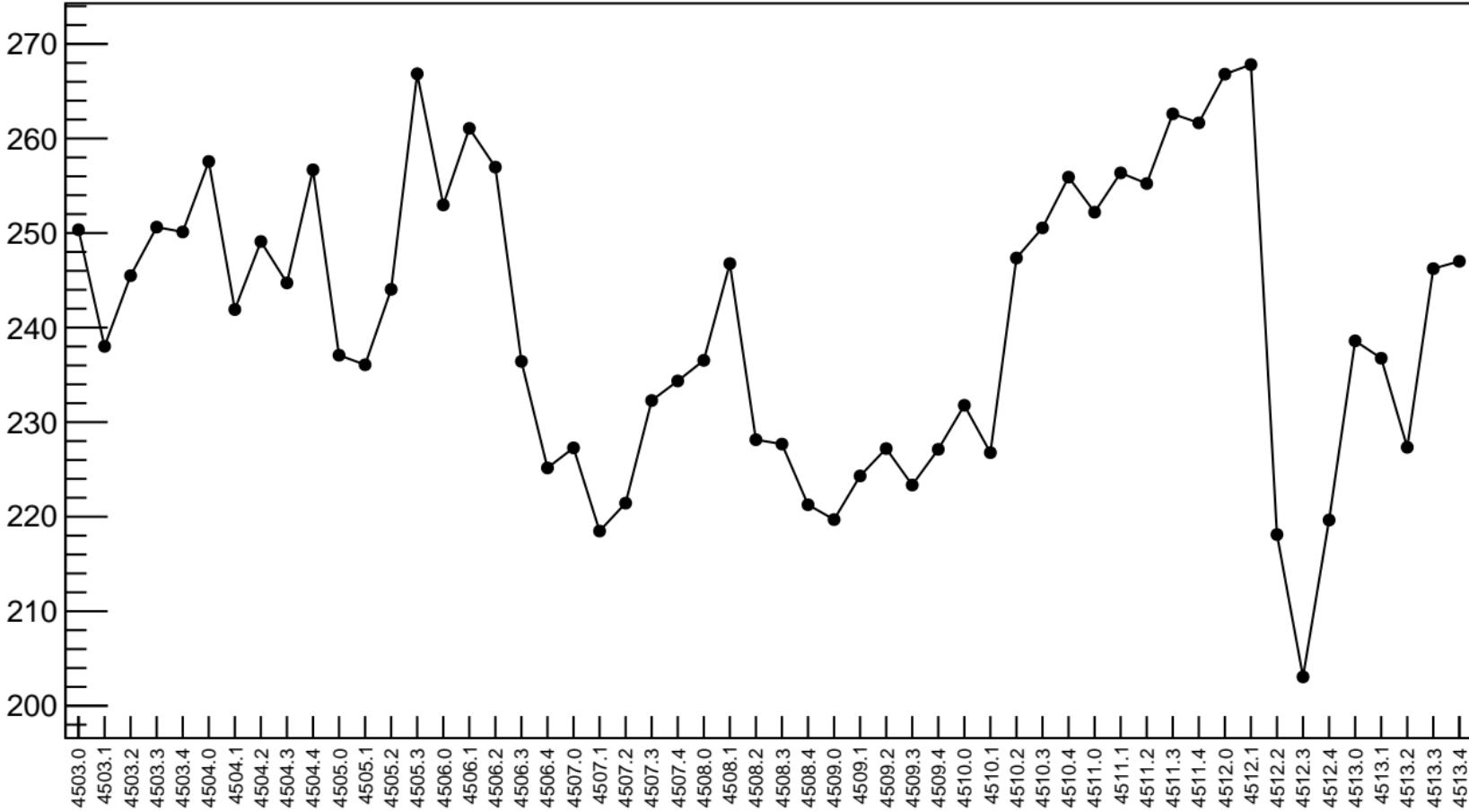


1D pull distribution



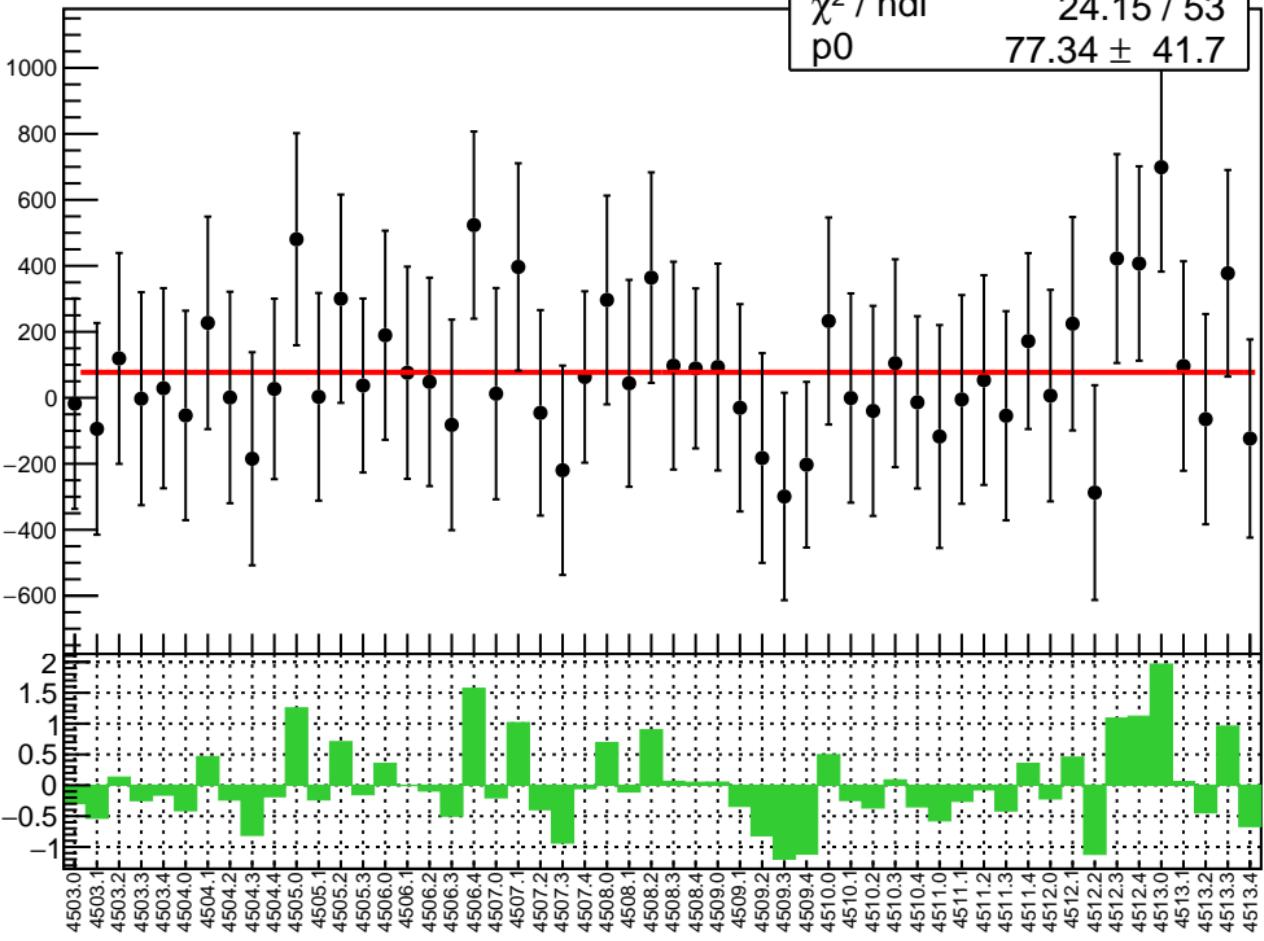
# corr\_Adet\_evMon2 RMS (ppm)

RMS (ppm)

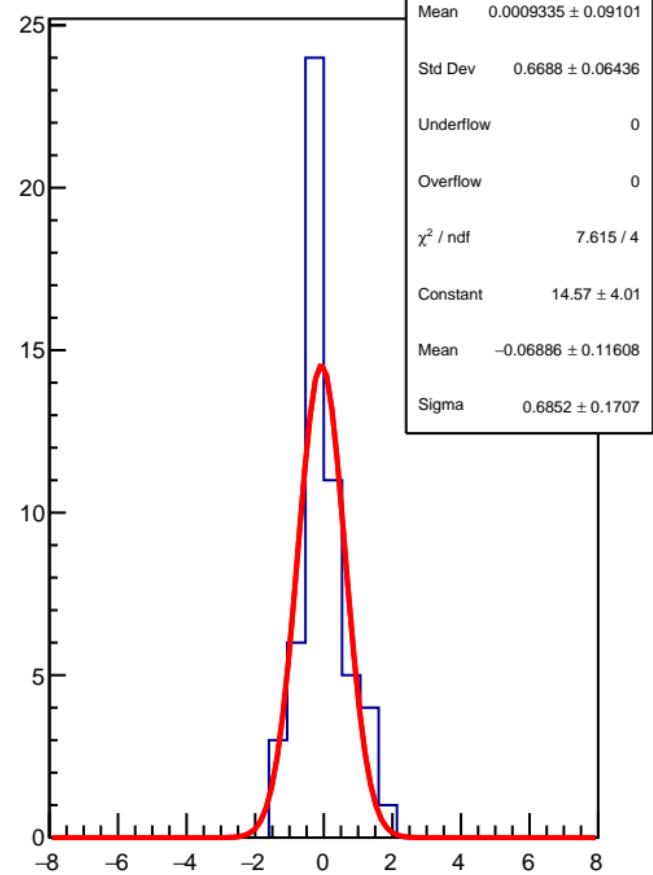


corr\_Adet\_evMon3 (ppb)

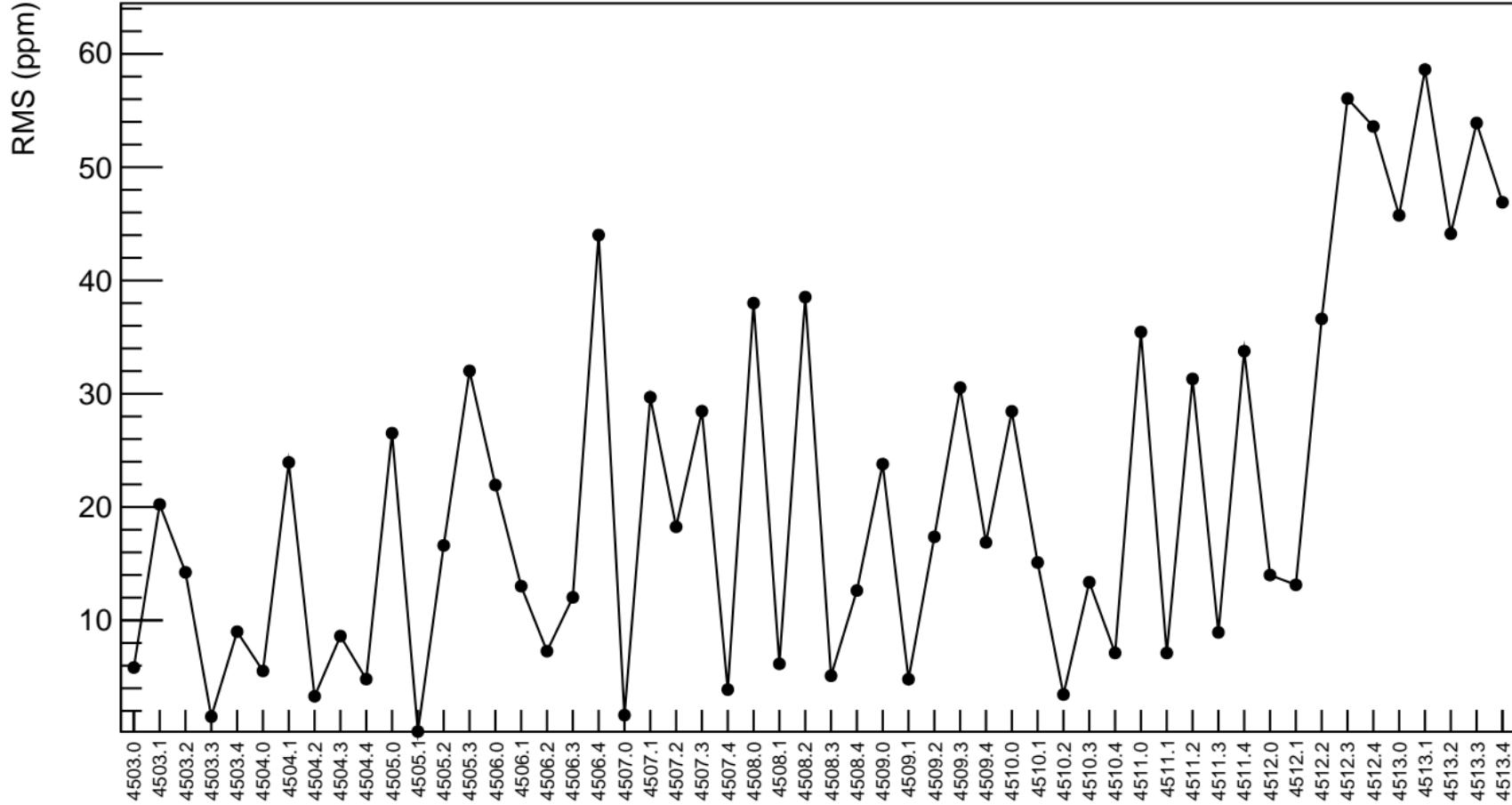
$\chi^2 / \text{ndf}$  24.15 / 53  
p0  $77.34 \pm 41.7$



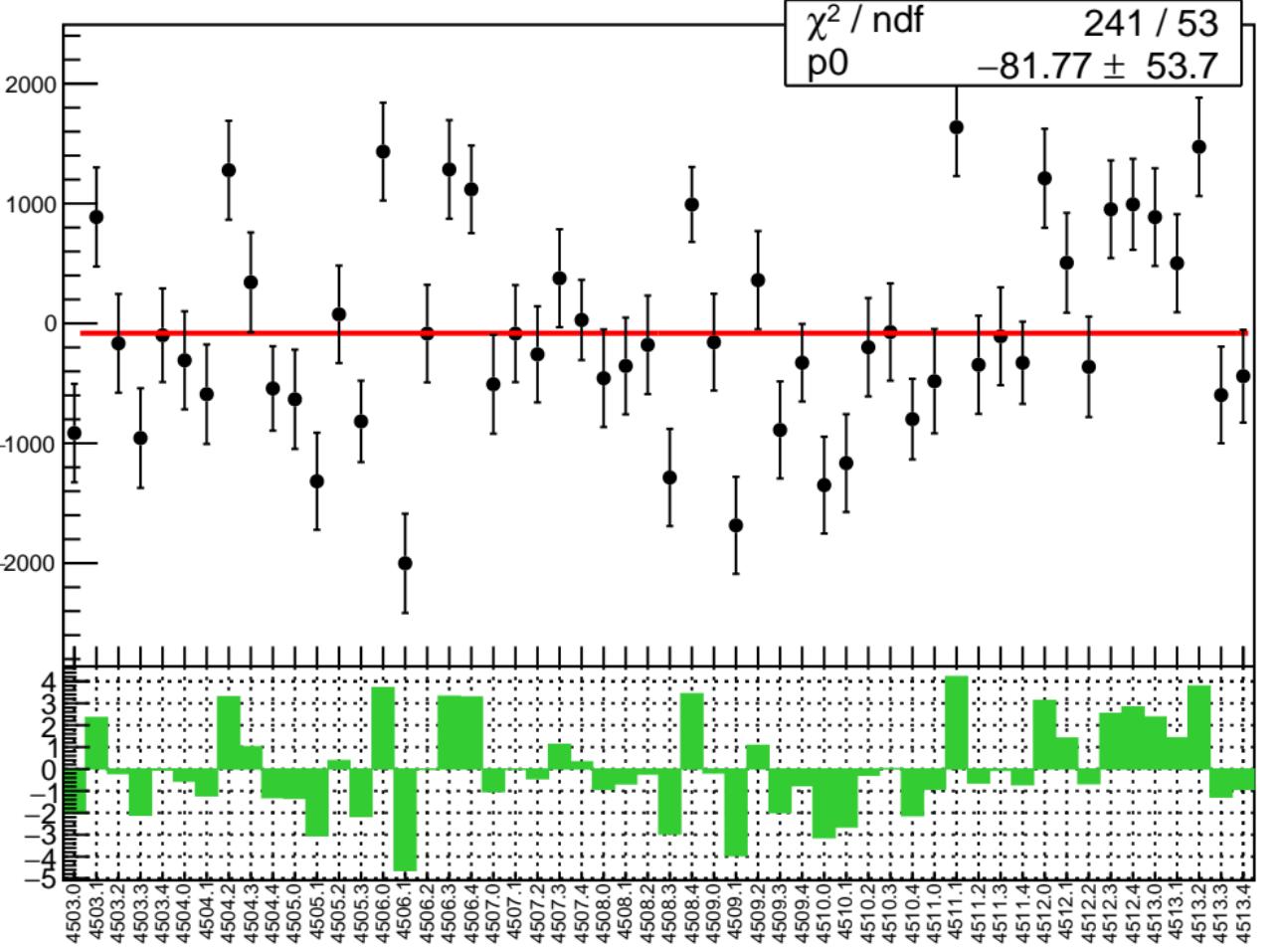
1D pull distribution



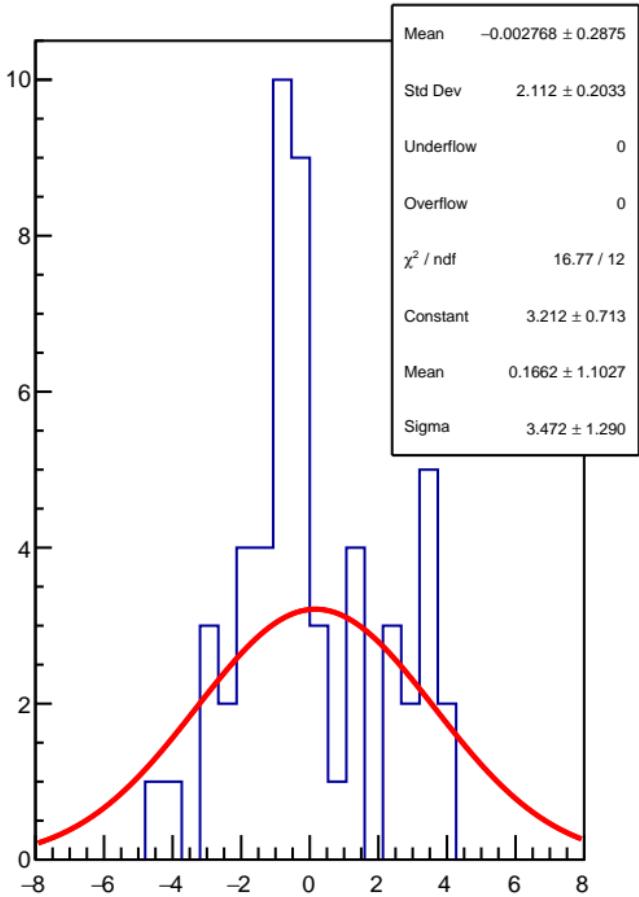
# corr\_Adet\_evMon3 RMS (ppm)



corr\_Adet\_evMon4 (ppb)

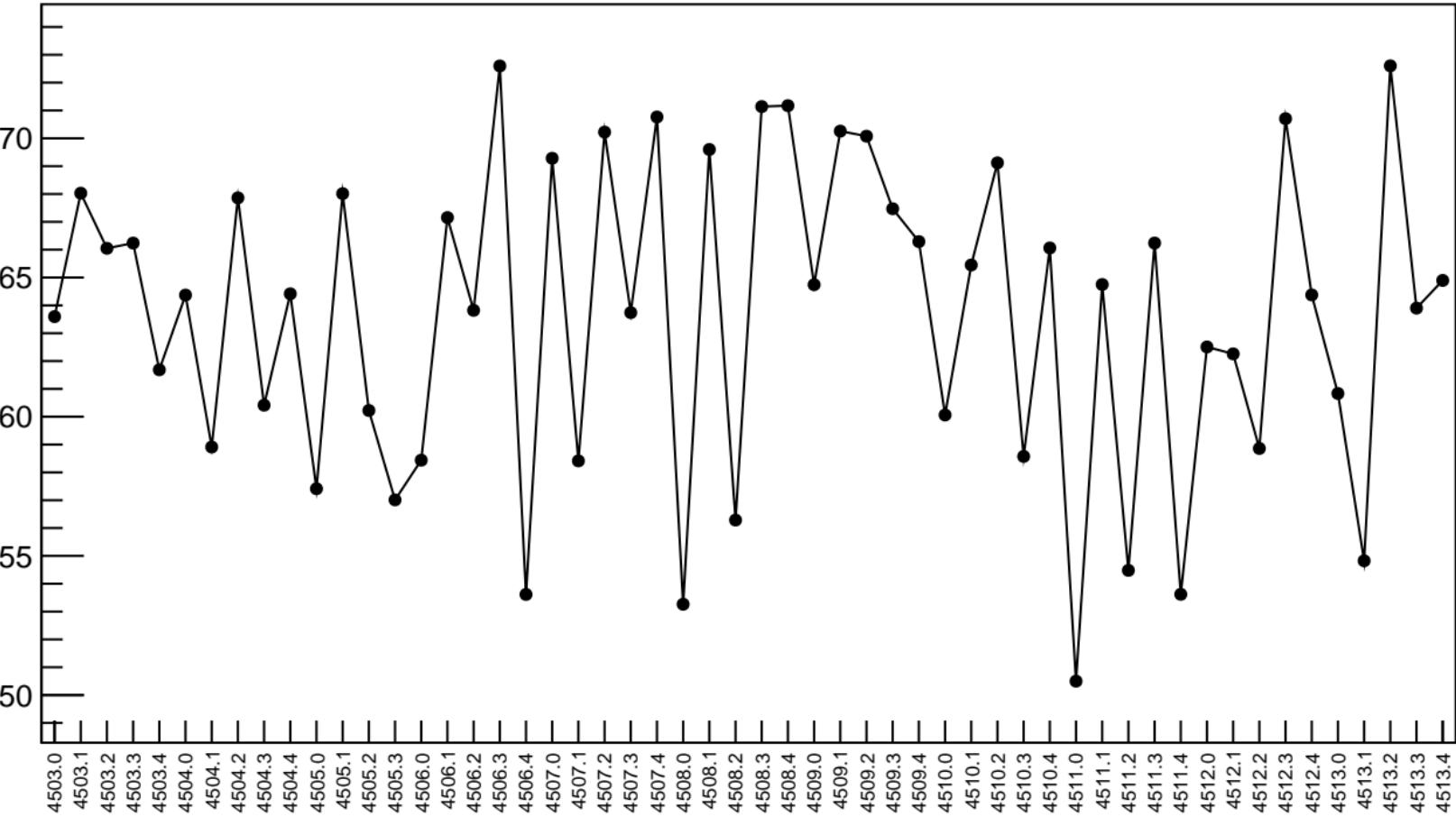


1D pull distribution



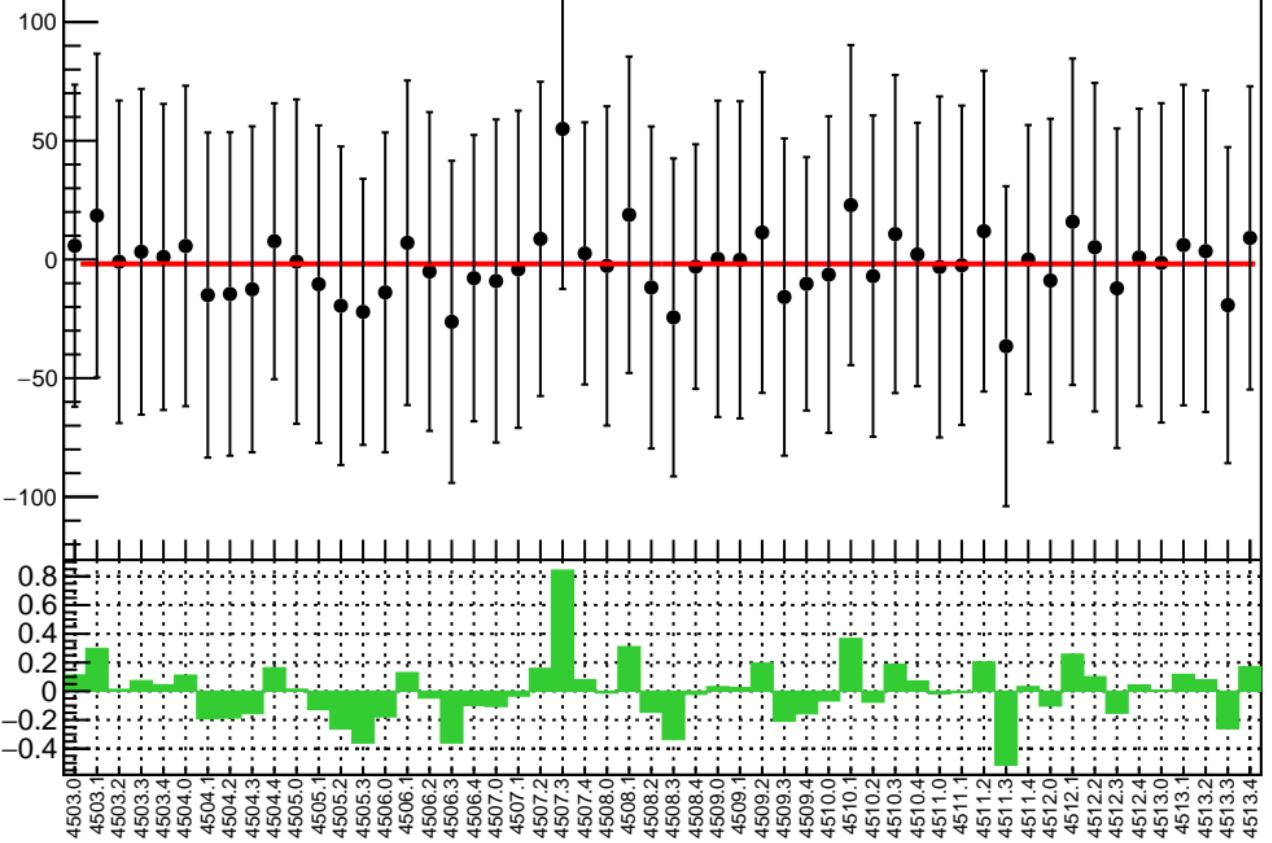
# corr\_Adet\_evMon4 RMS (ppm)

RMS (ppm)

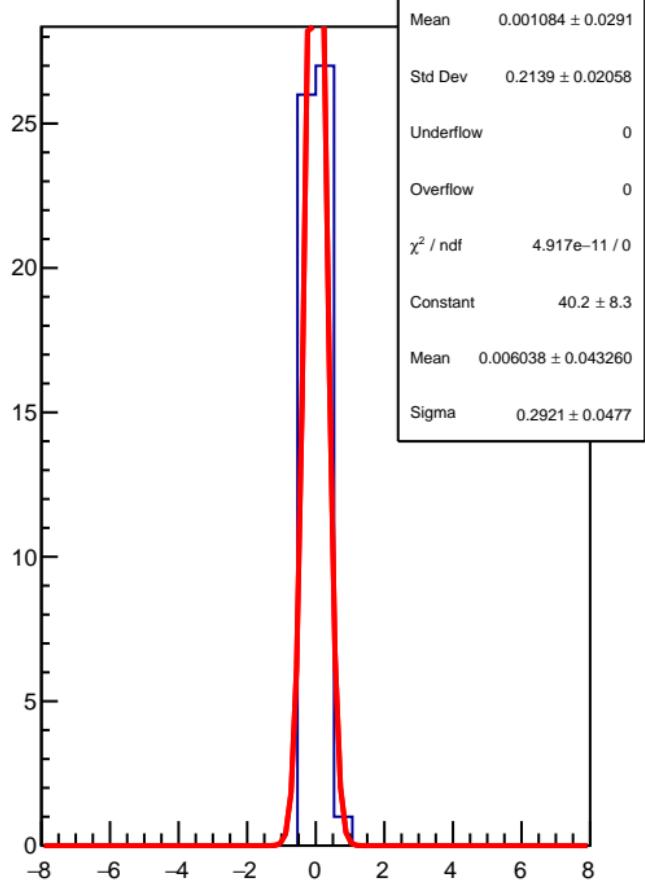


corr\_Adet\_evMon5 (ppb)

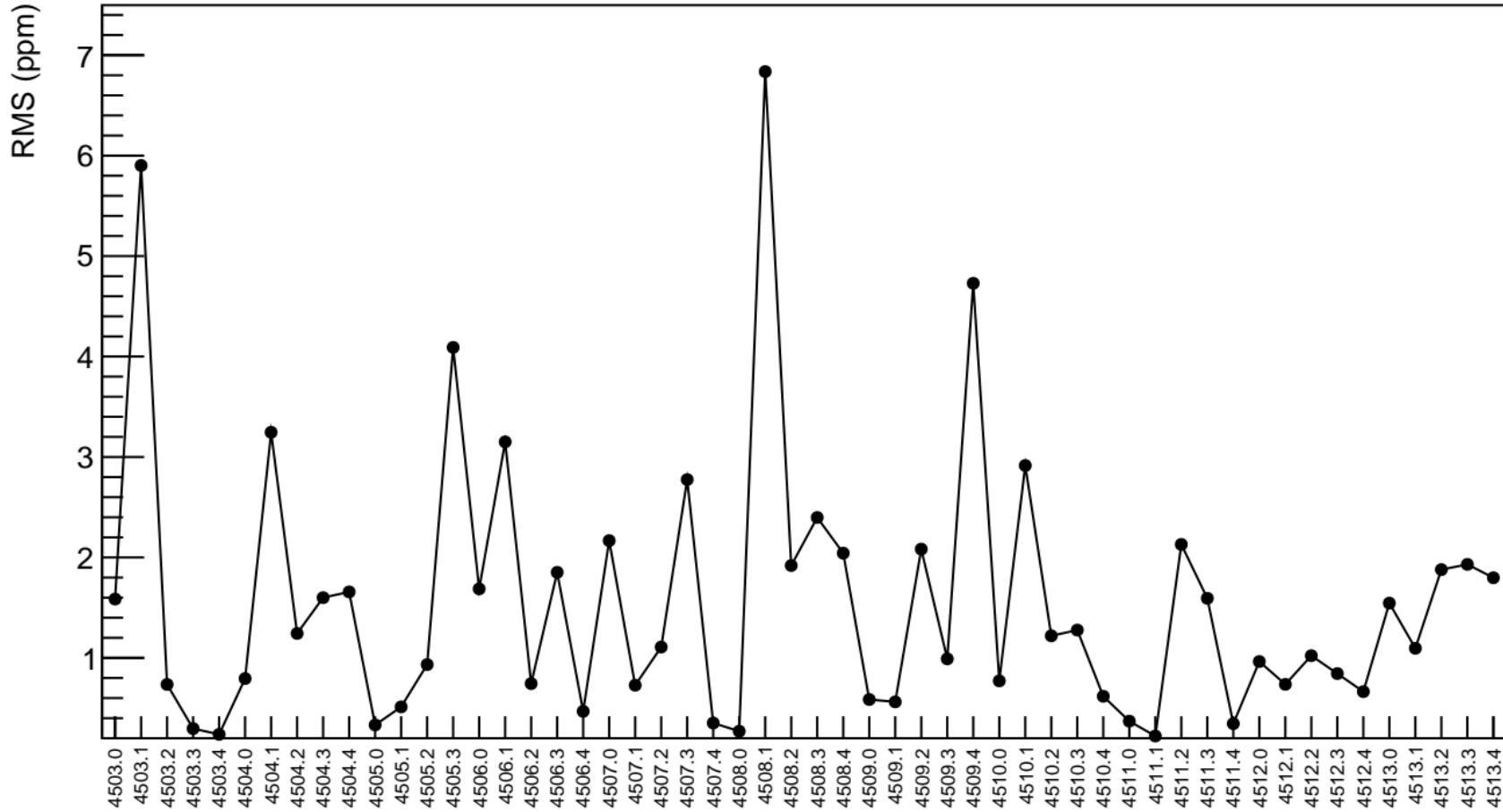
$\chi^2 / \text{ndf}$  2.47 / 53  
p0  $-1.866 \pm 8.864$



1D pull distribution

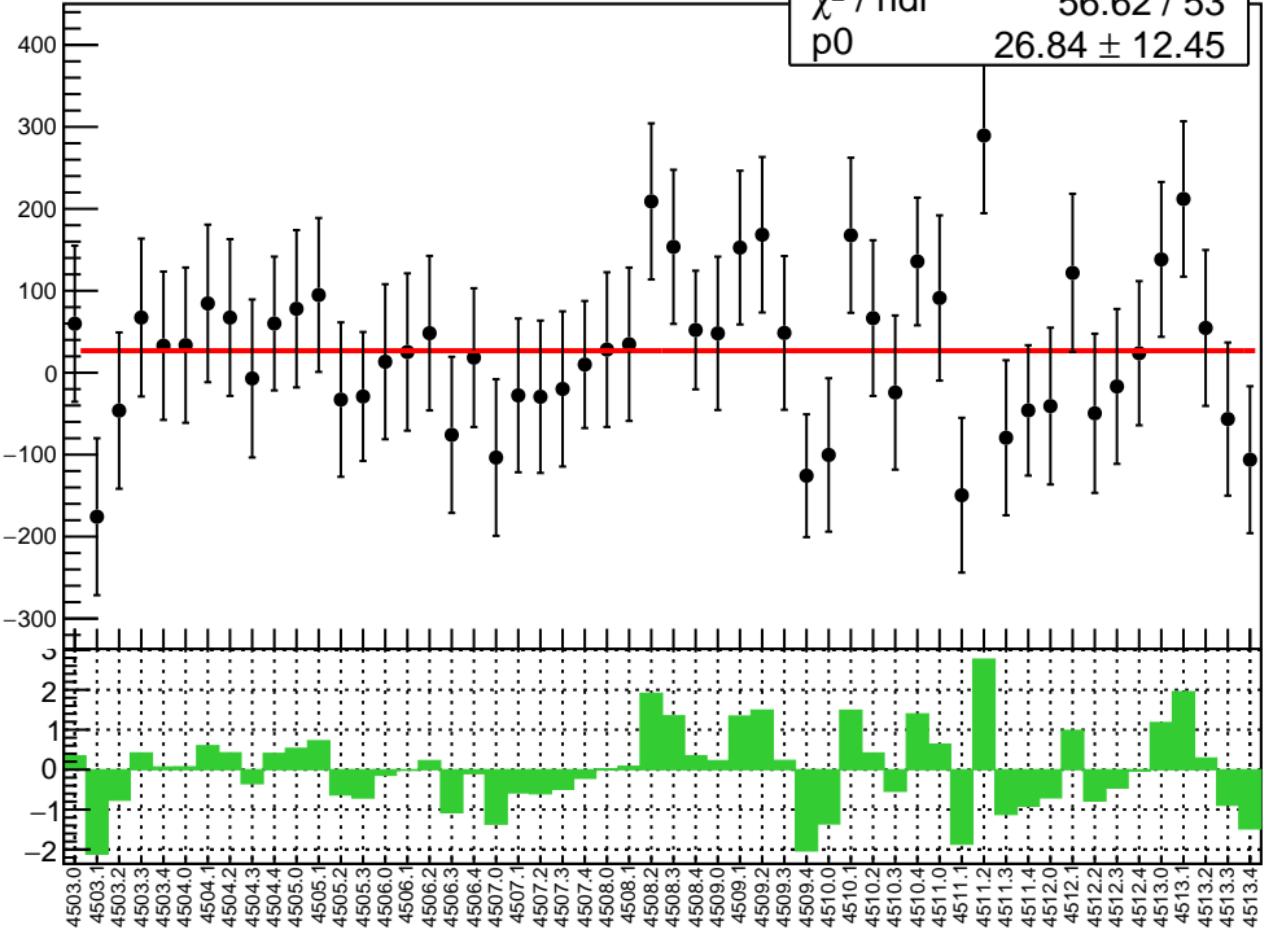


# corr\_Adet\_evMon5 RMS (ppm)

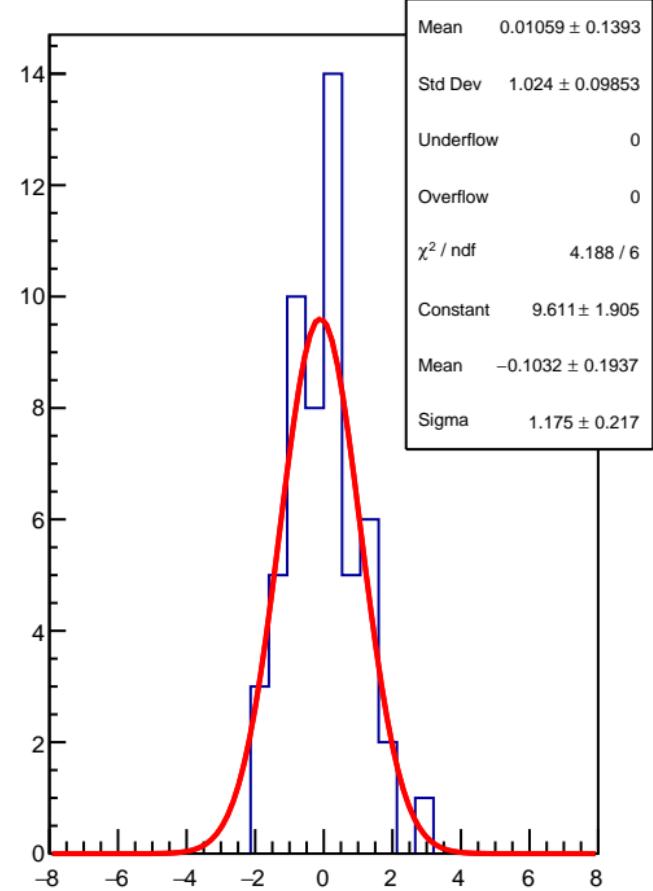


corr\_Adet\_evMon6 (ppb)

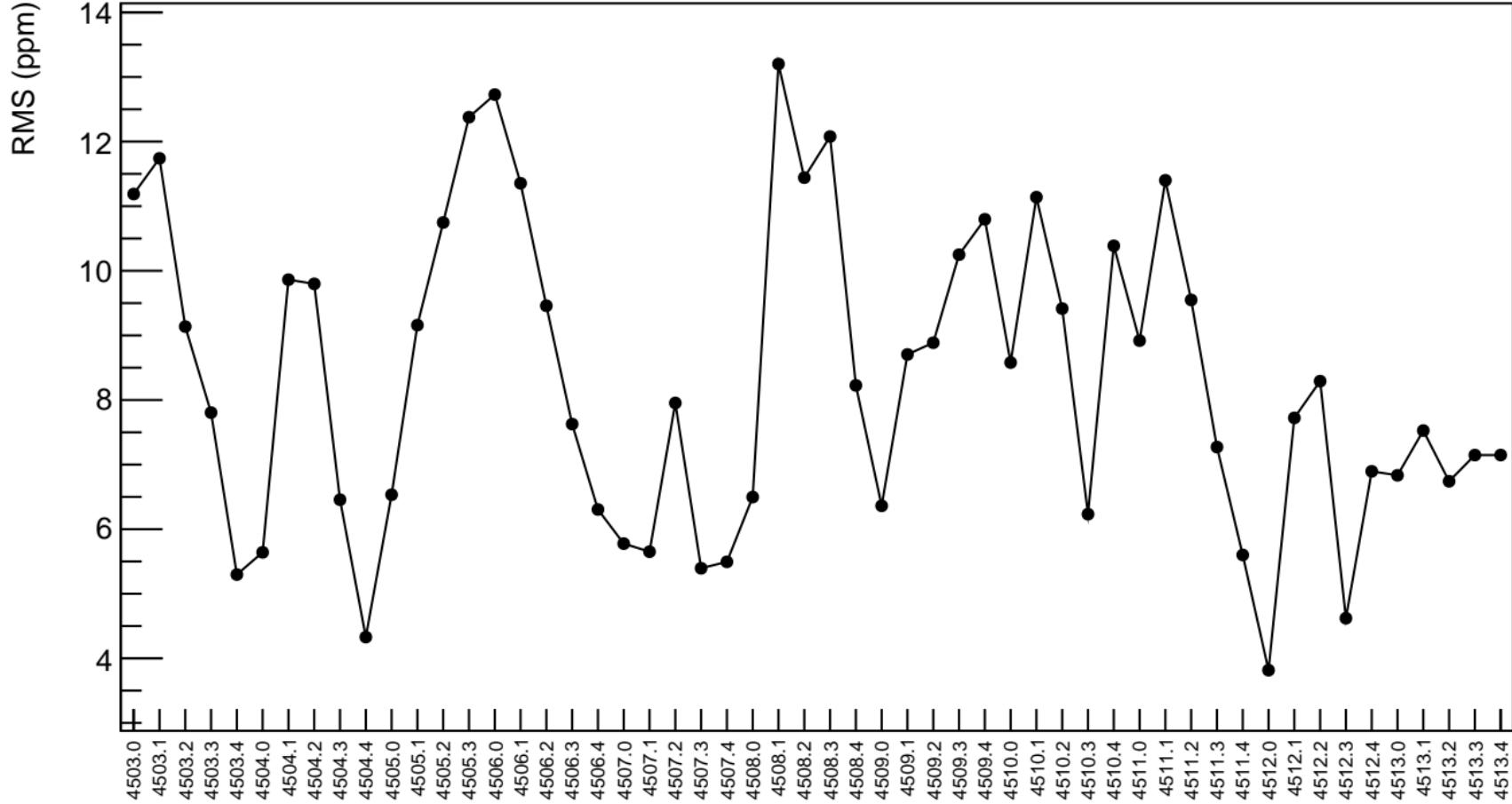
$\chi^2 / \text{ndf}$  56.62 / 53  
p0  $26.84 \pm 12.45$



1D pull distribution

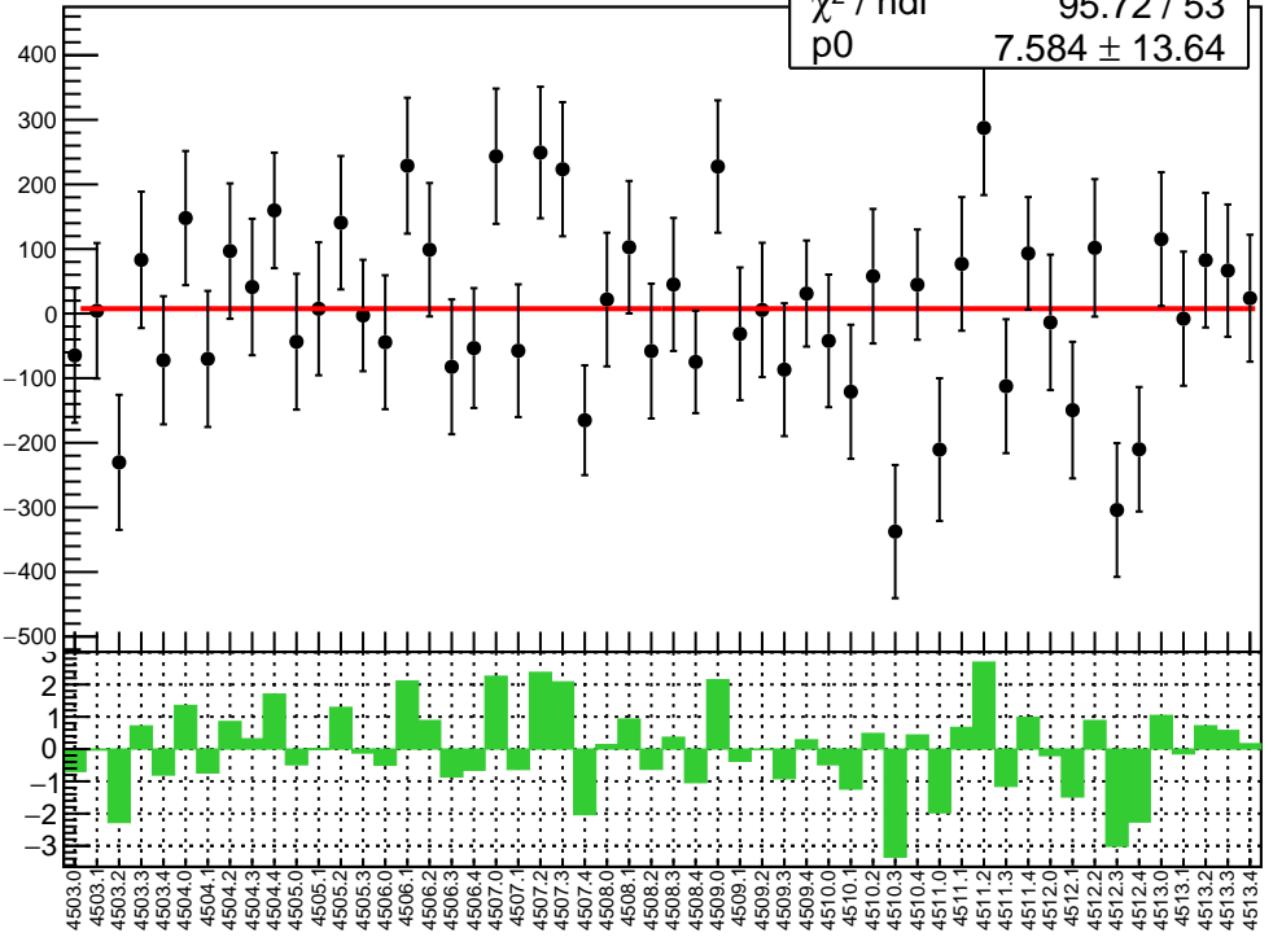


# corr\_Adet\_evMon6 RMS (ppm)

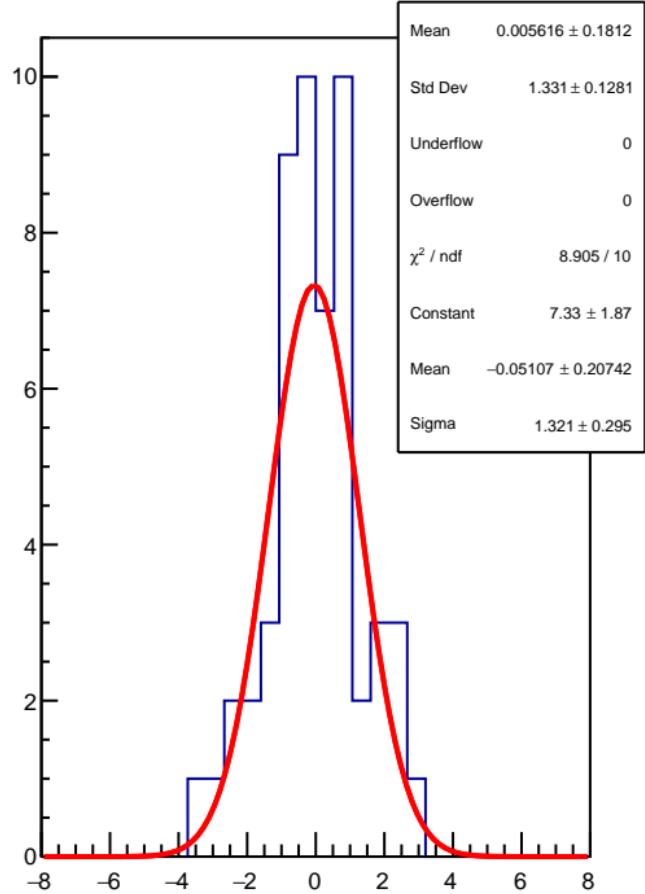


corr\_Adet\_evMon7 (ppb)

$\chi^2 / \text{ndf}$  95.72 / 53  
p0  $7.584 \pm 13.64$

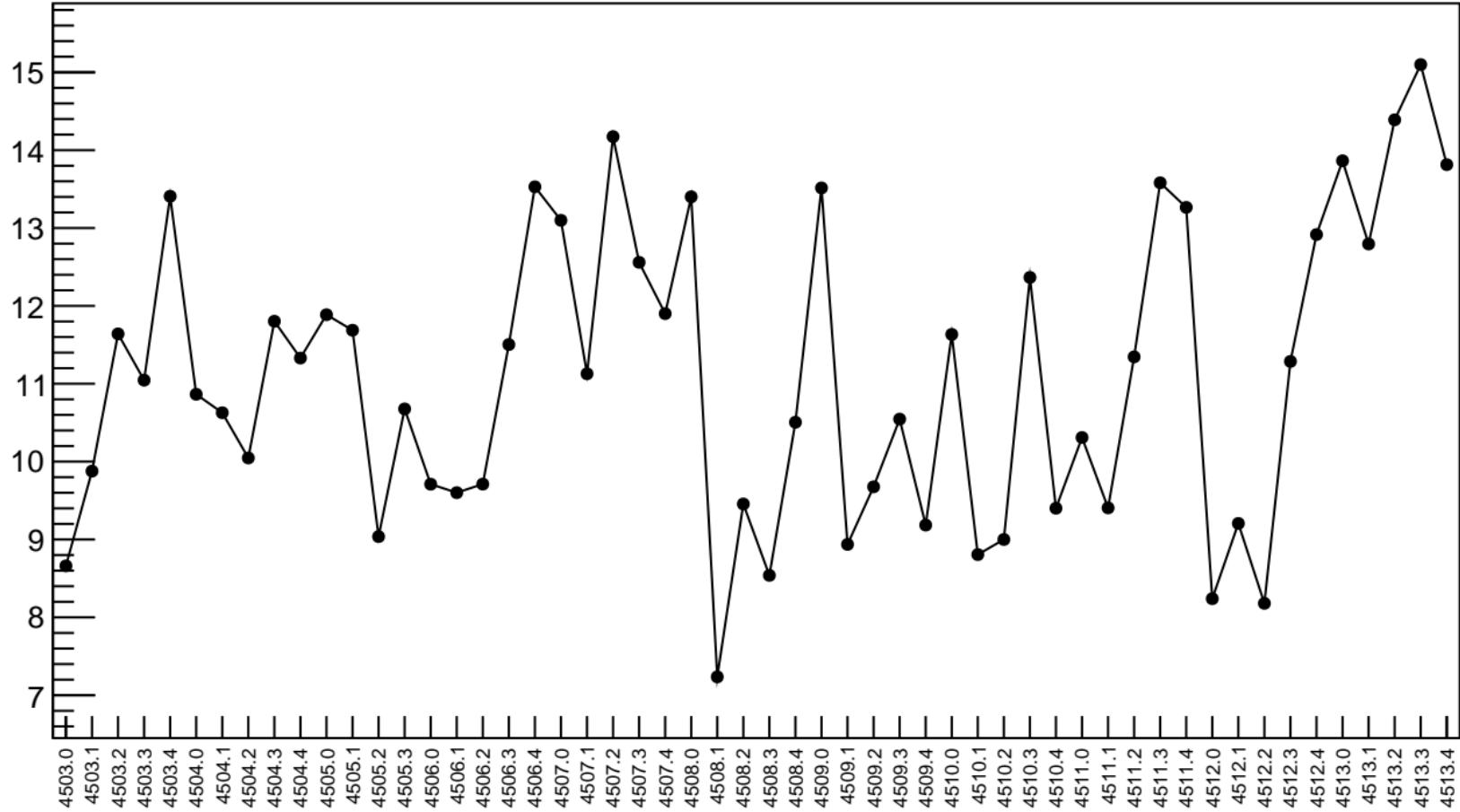


1D pull distribution



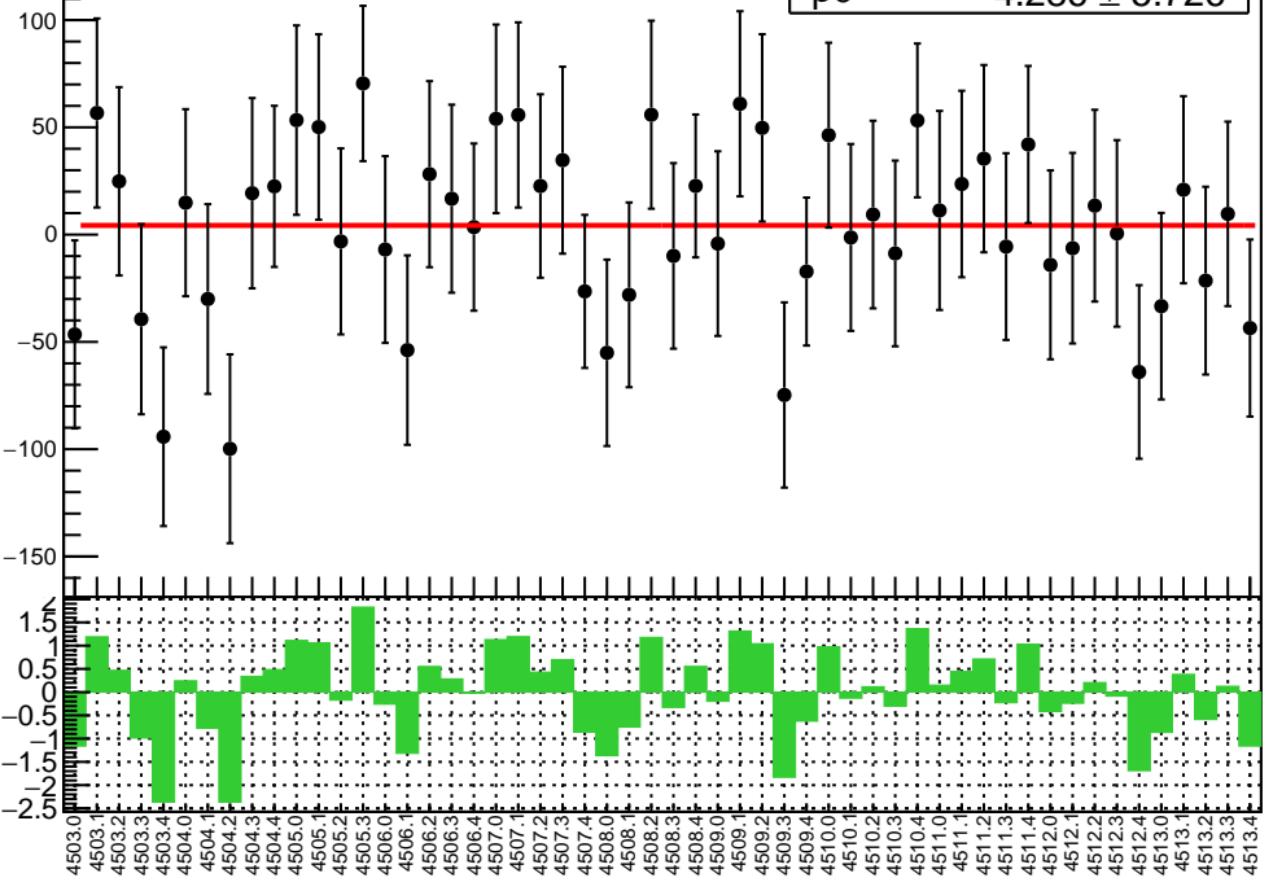
# corr\_Adet\_evMon7 RMS (ppm)

RMS (ppm)

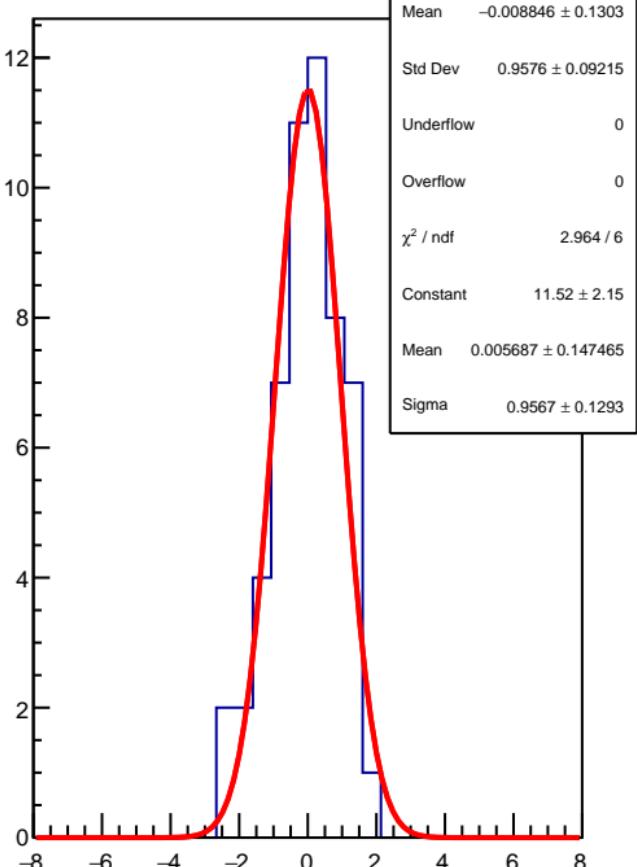


corr\_Adet\_evMon8 (ppb)

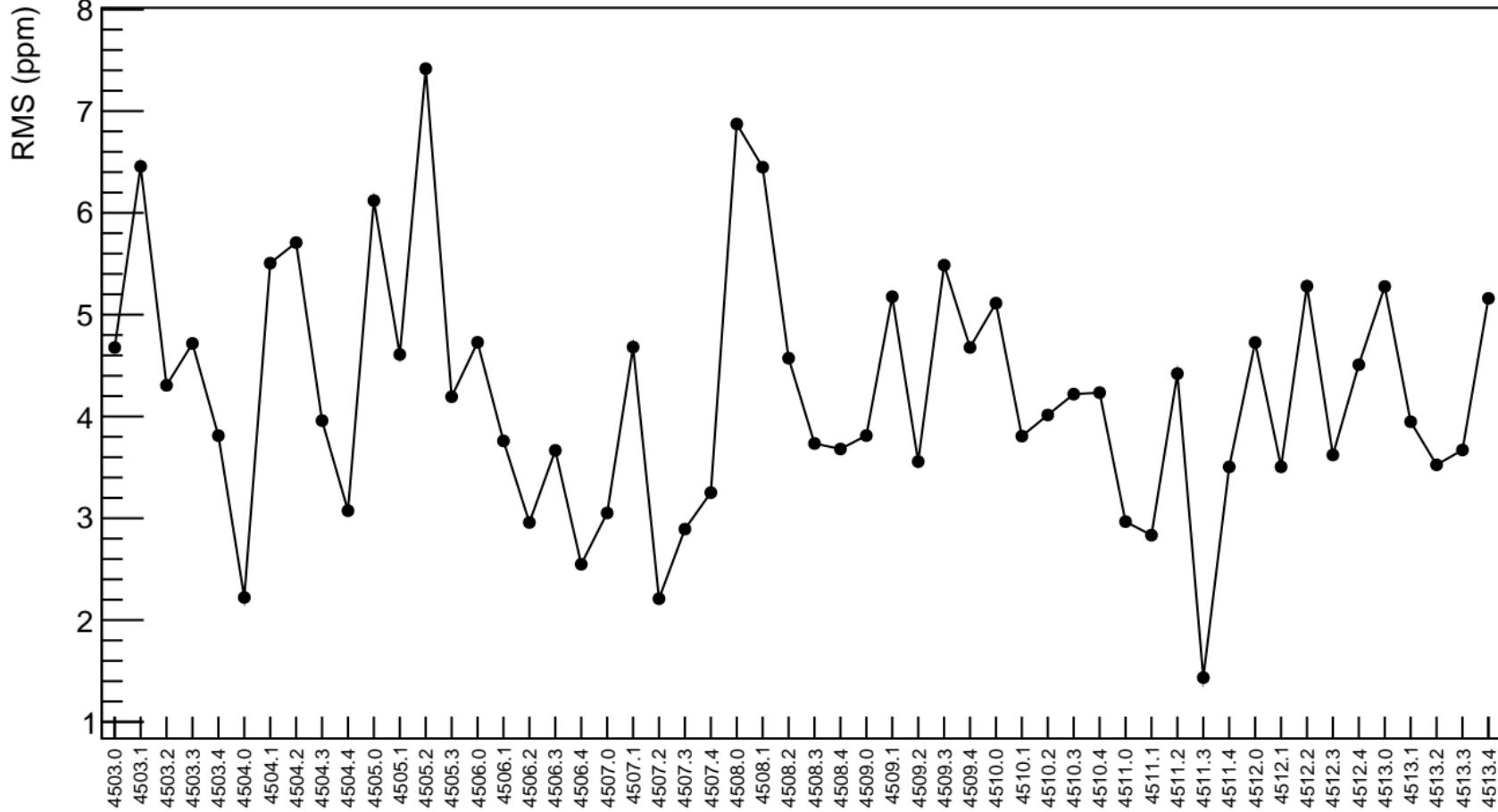
$\chi^2 / \text{ndf}$  49.52 / 53  
p0  $4.286 \pm 5.726$



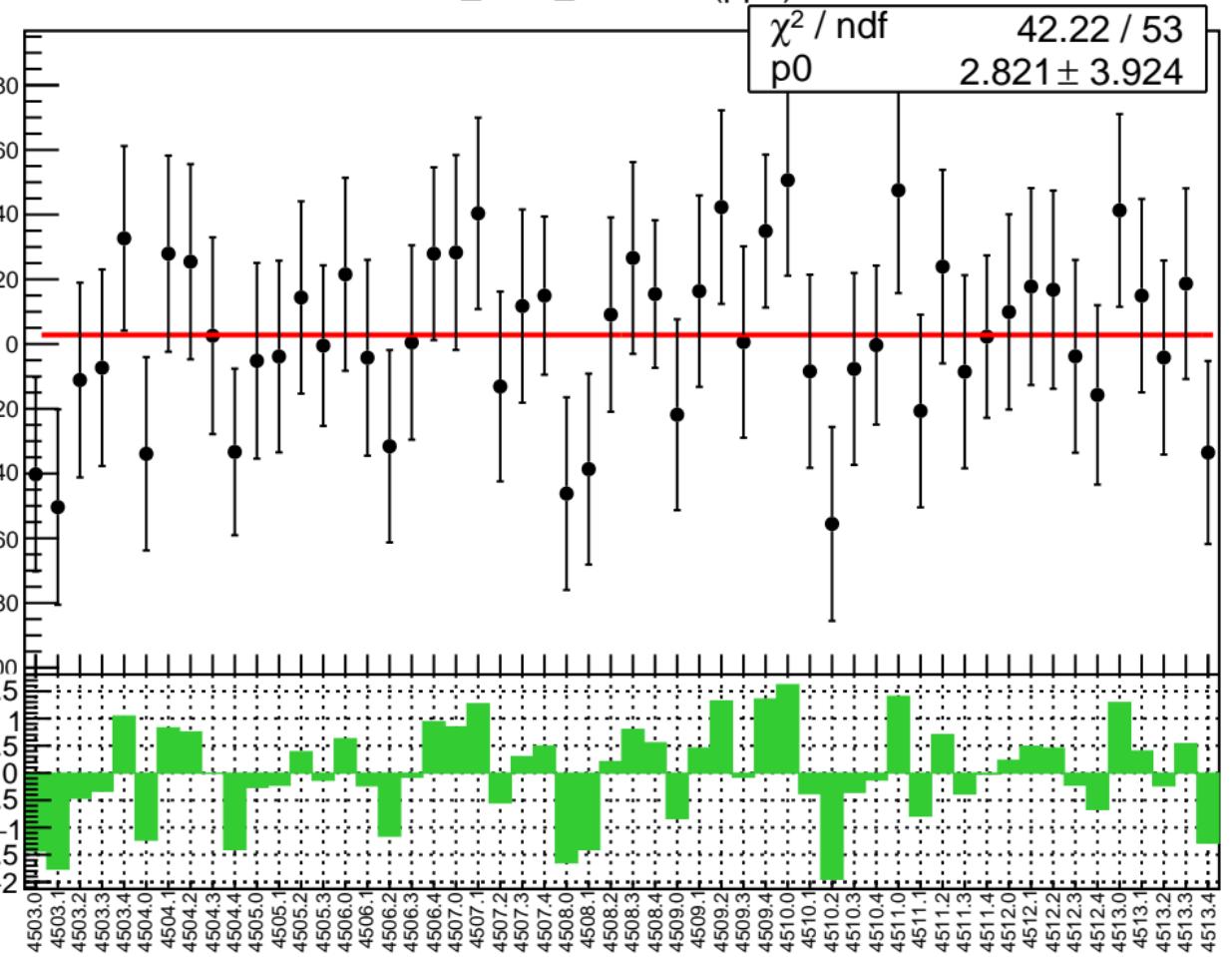
1D pull distribution



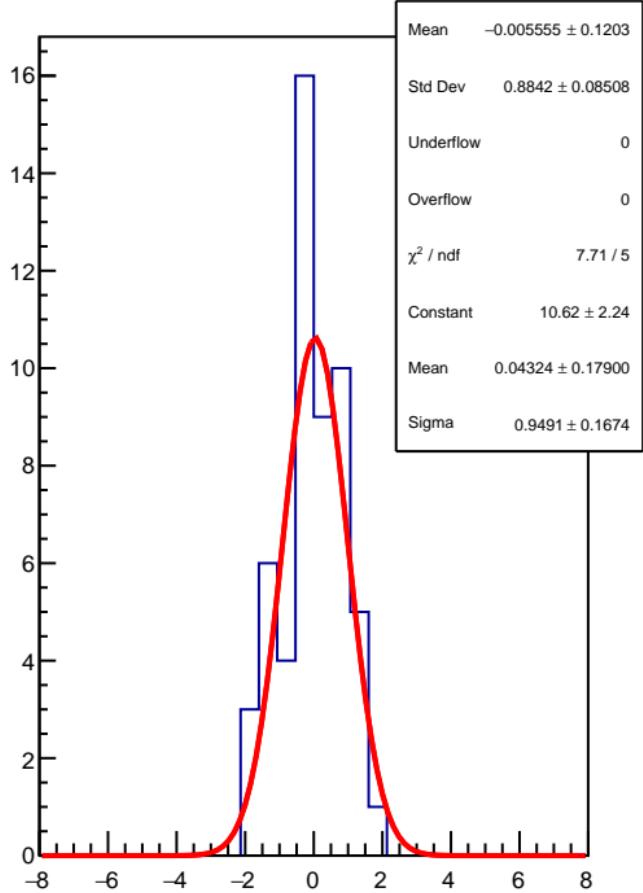
# corr\_Adet\_evMon8 RMS (ppm)



corr\_Adet\_evMon9 (ppb)

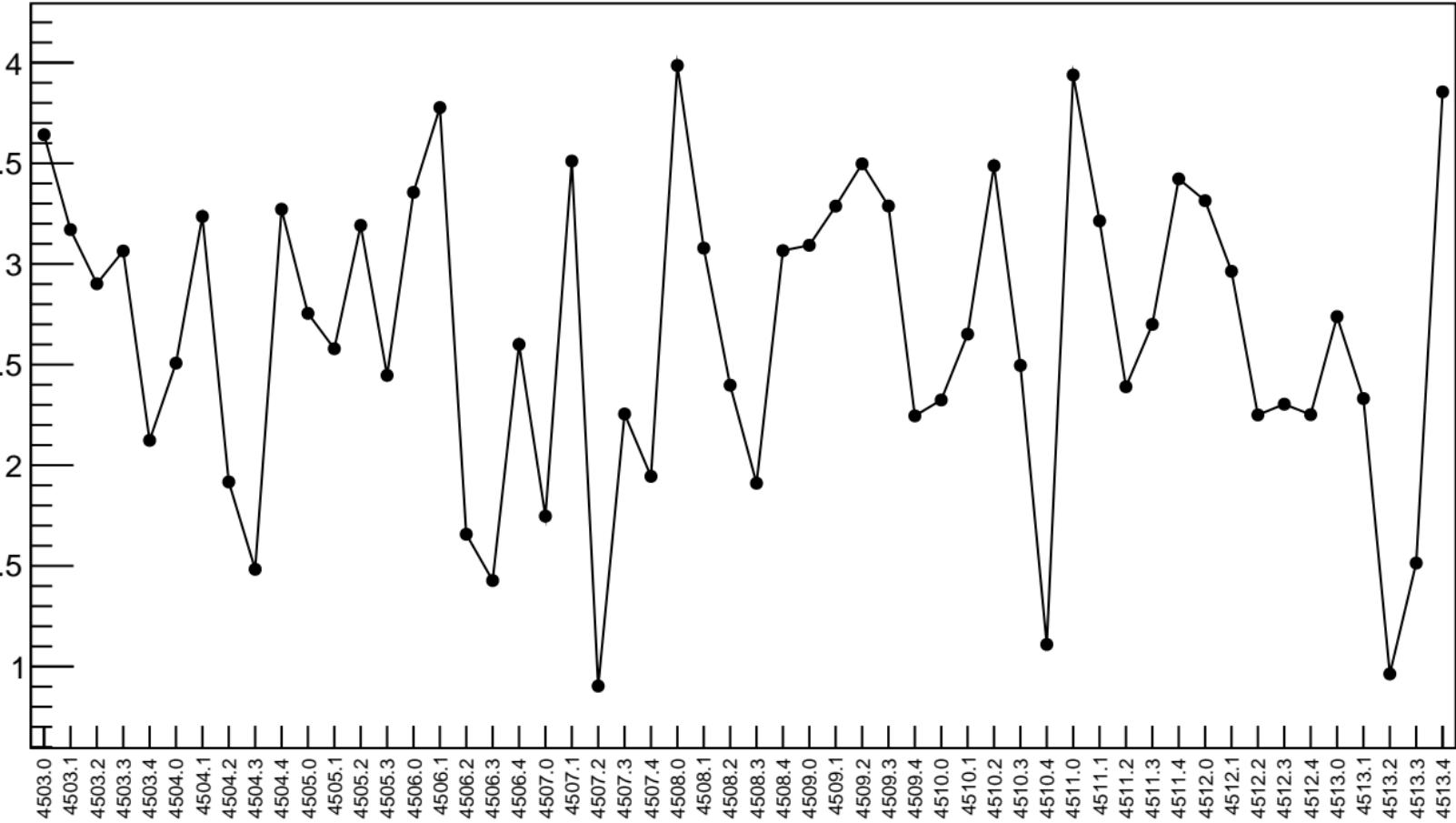


1D pull distribution



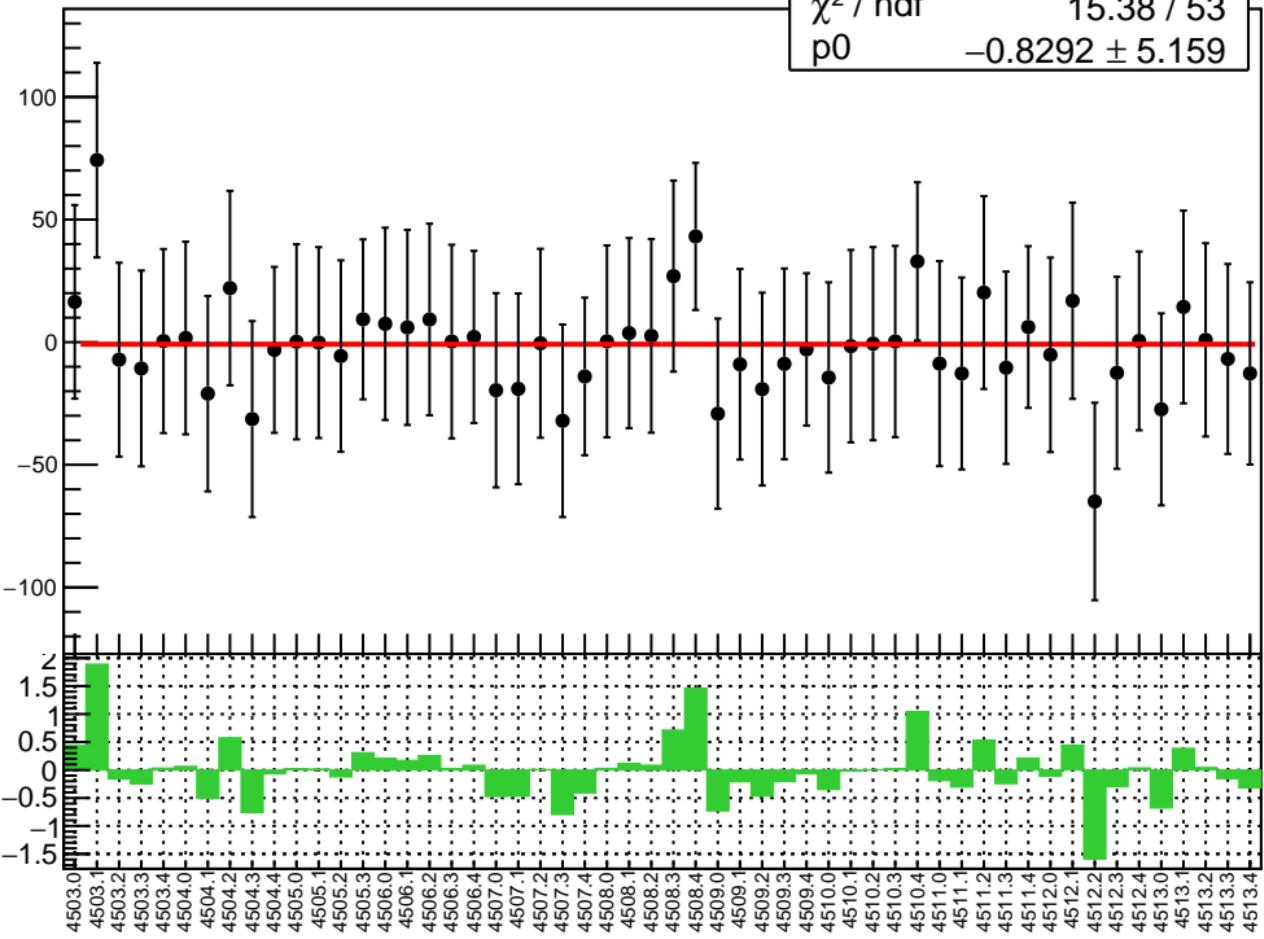
# corr\_Adet\_evMon9 RMS (ppm)

RMS (ppm)

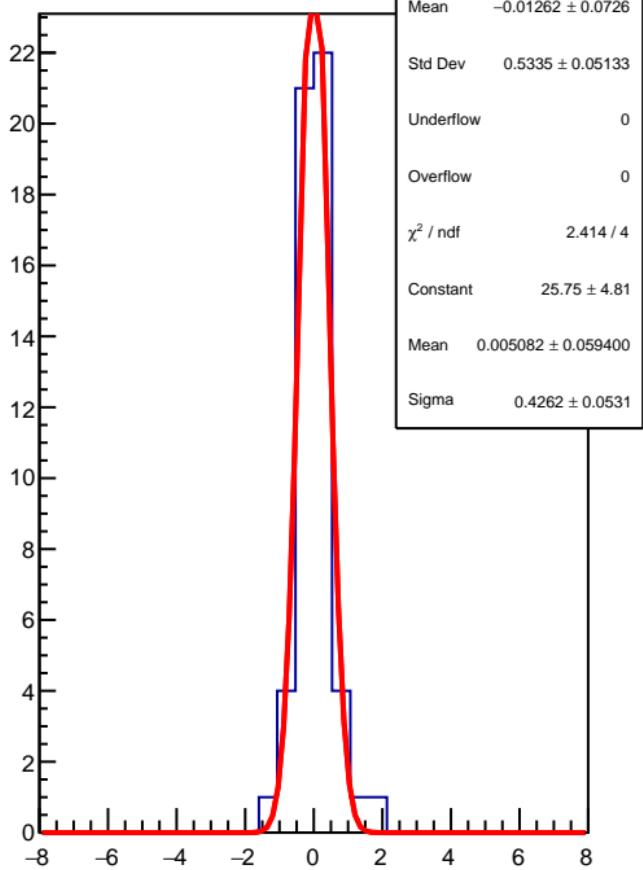


corr\_Adet\_evMon10 (ppb)

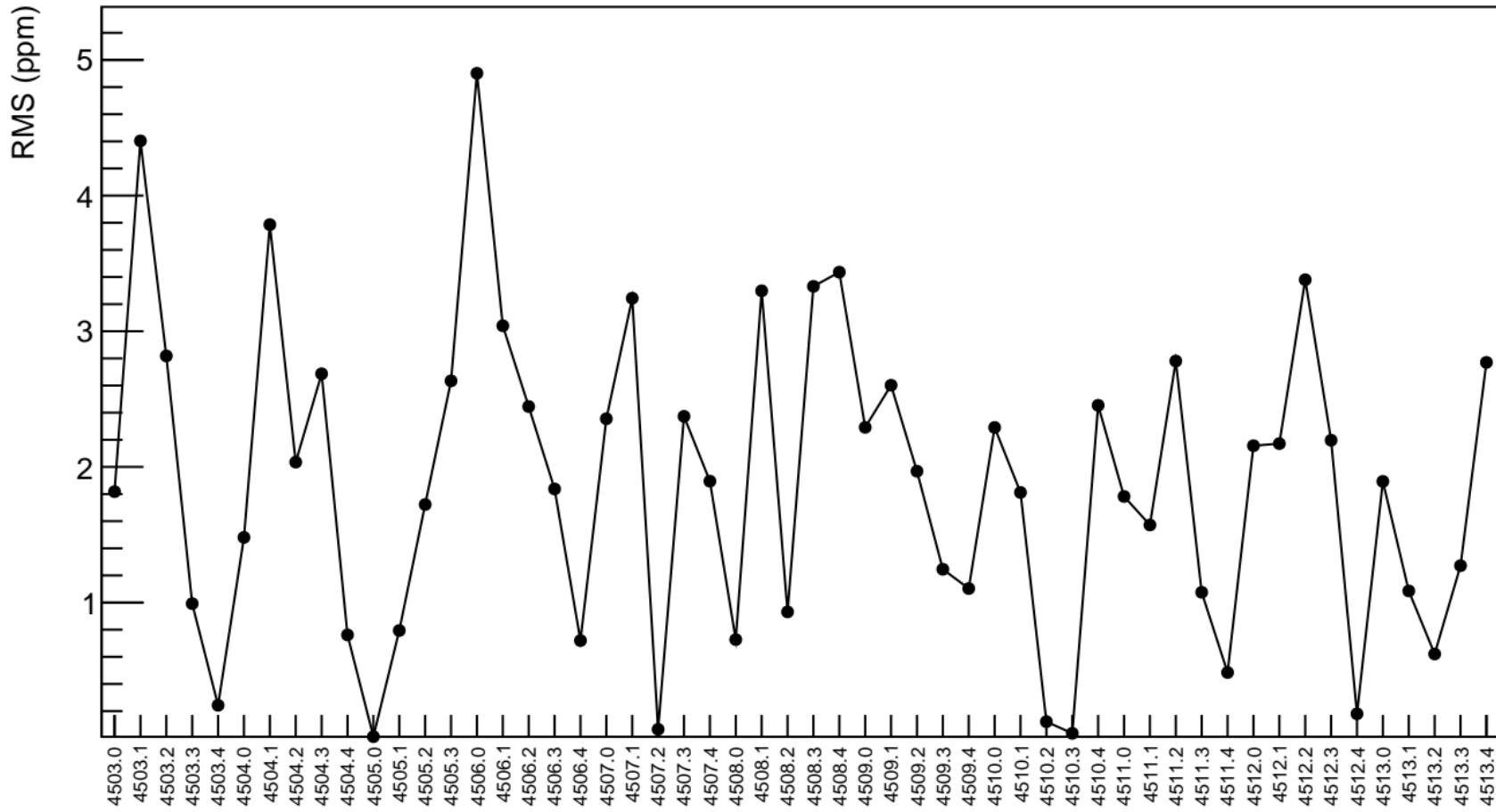
$\chi^2 / \text{ndf}$  15.38 / 53  
 $p_0$   $-0.8292 \pm 5.159$



1D pull distribution

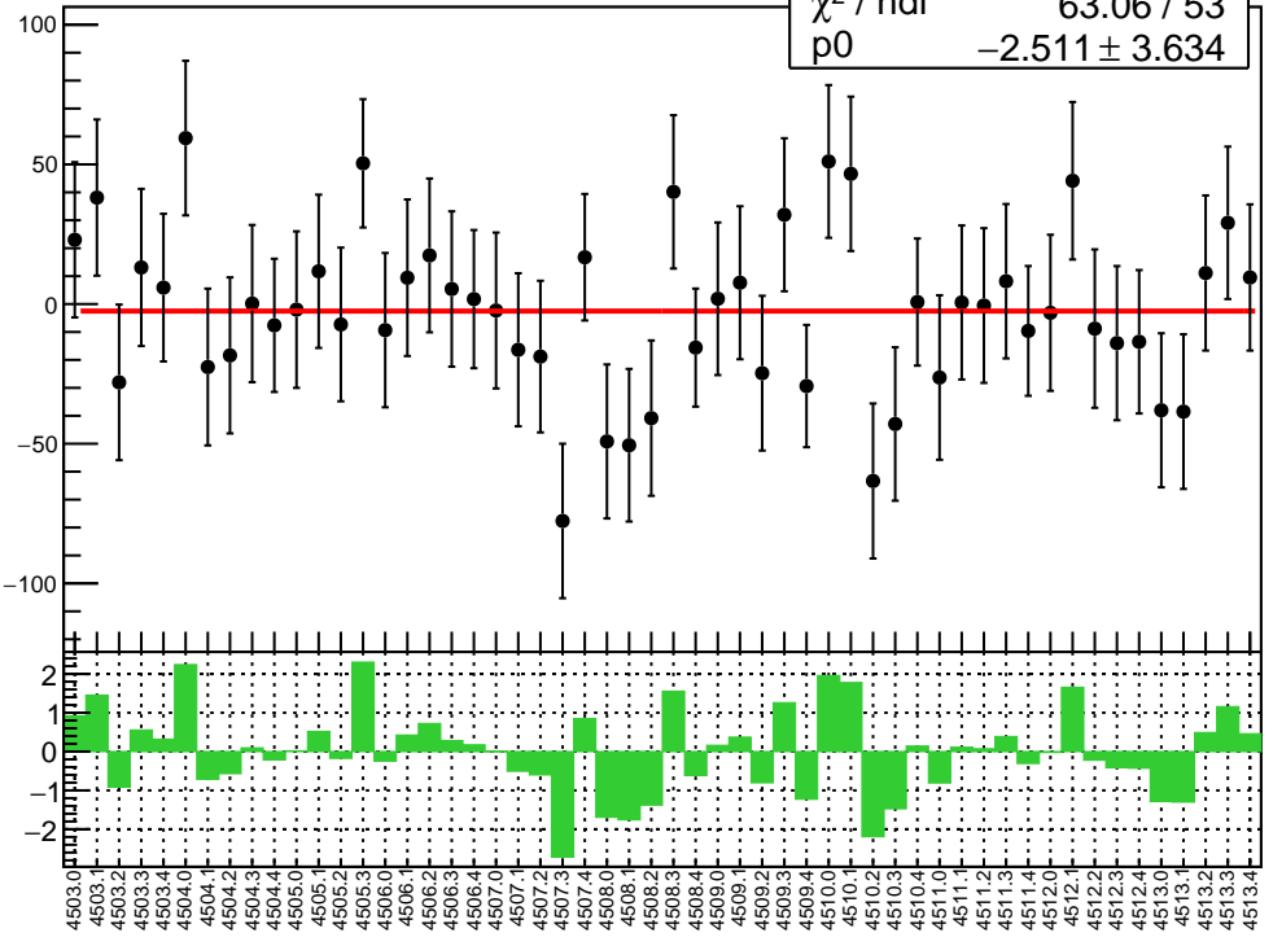


# corr\_Adet\_evMon10 RMS (ppm)

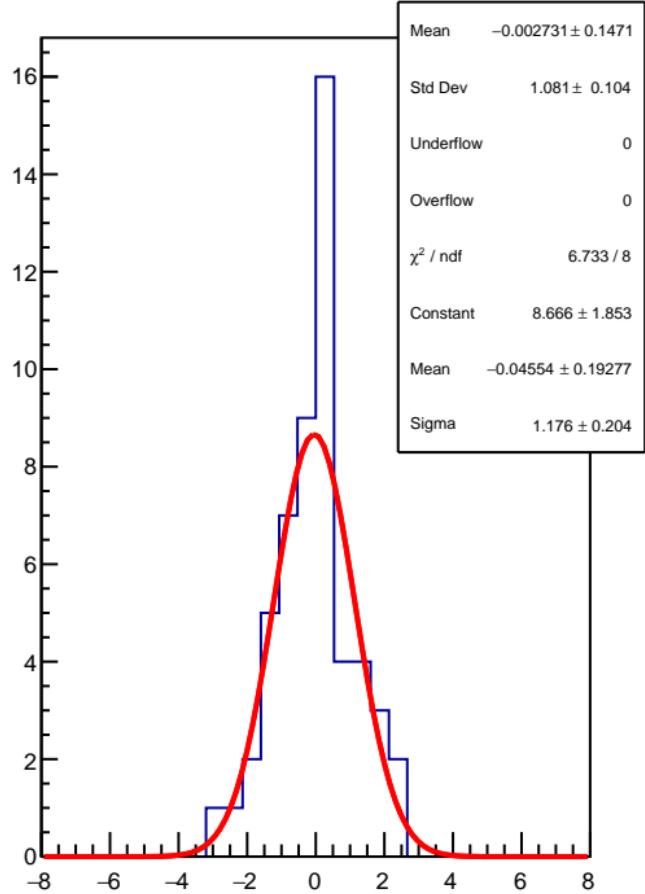


corr\_Adet\_evMon11 (ppb)

$\chi^2 / \text{ndf}$  63.06 / 53  
p0  $-2.511 \pm 3.634$

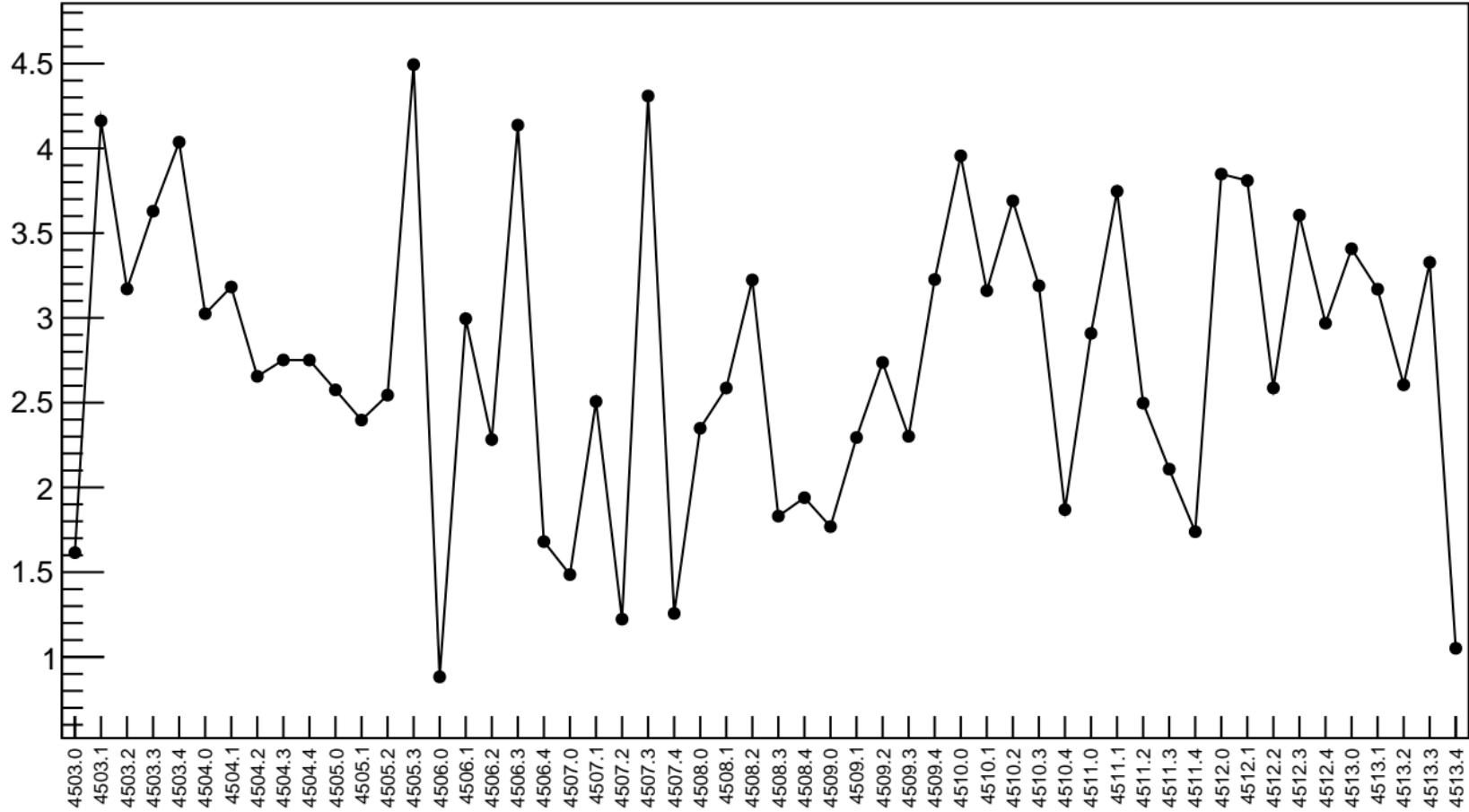


1D pull distribution



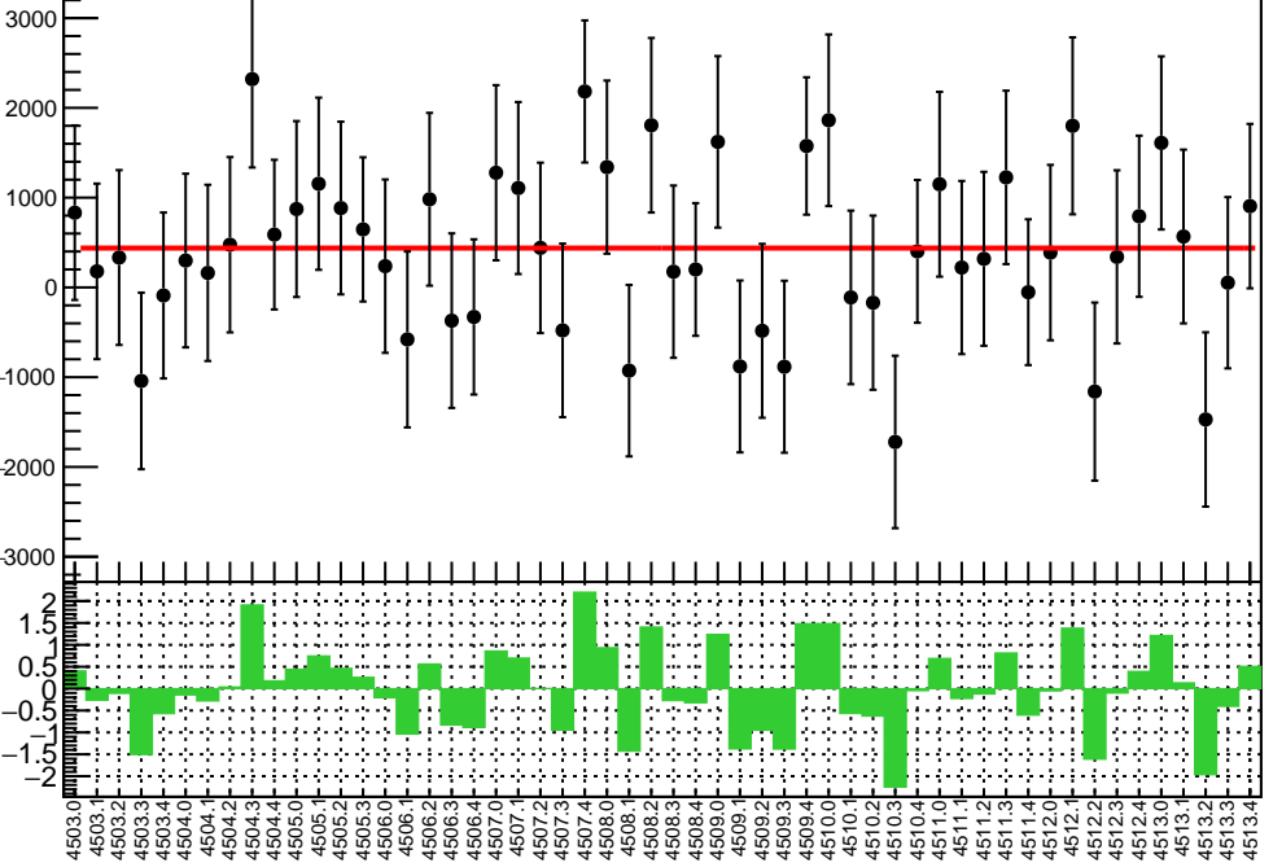
# corr\_Adet\_evMon11 RMS (ppm)

RMS (ppm)

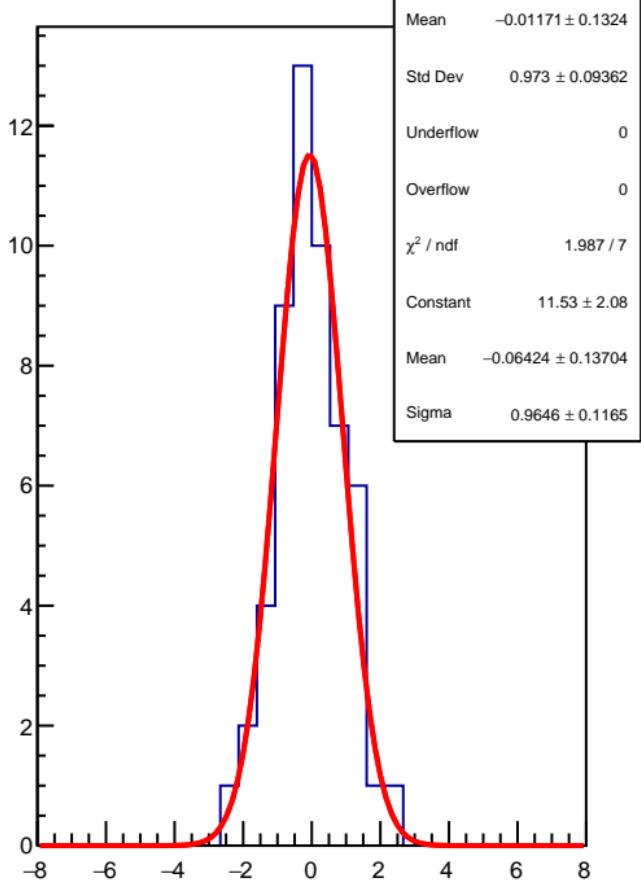


lagr\_asym\_us\_avg (ppb)

$\chi^2 / \text{ndf}$  51.13 / 53  
 $p_0$   $438.2 \pm 127.1$

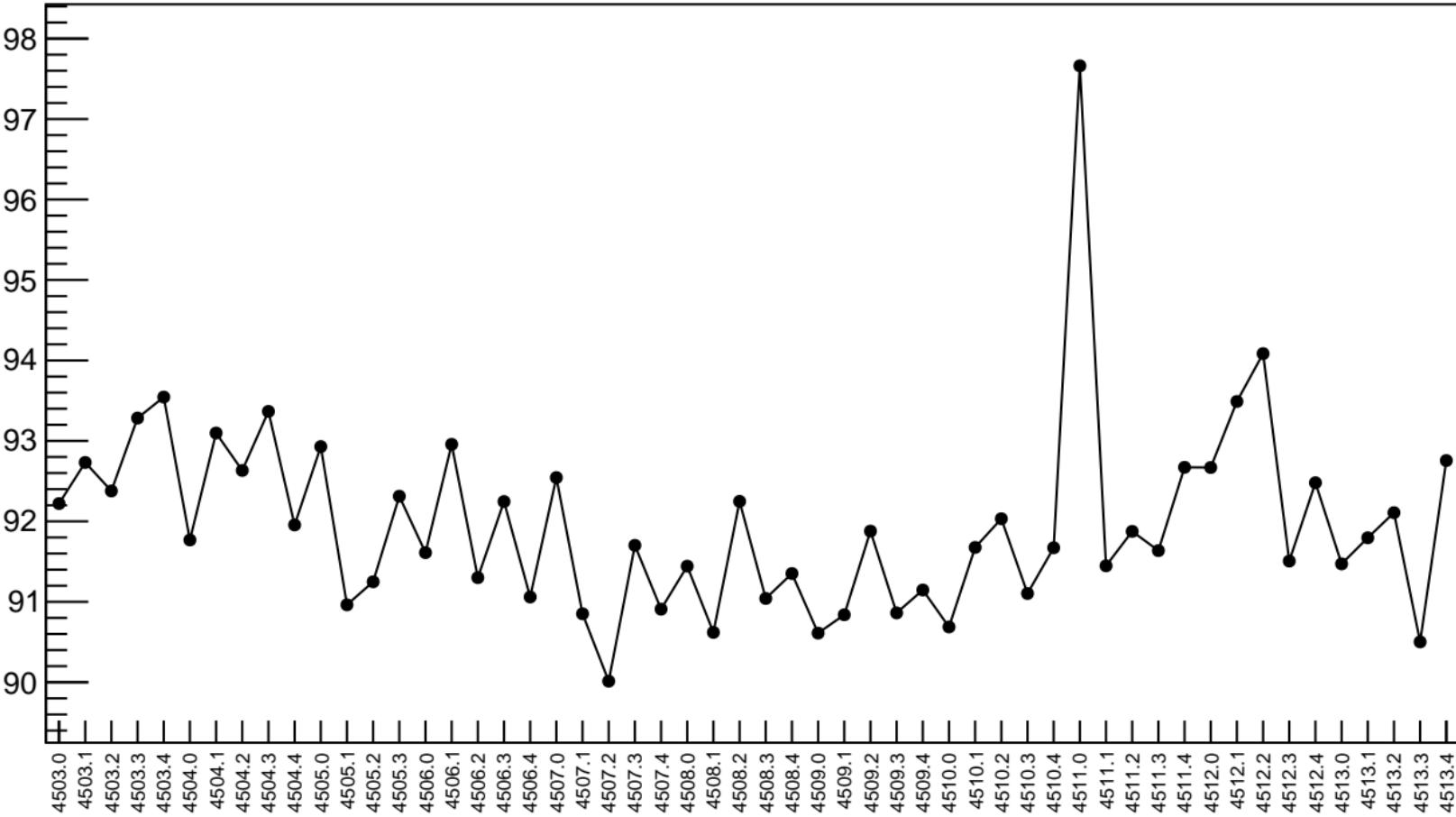


1D pull distribution

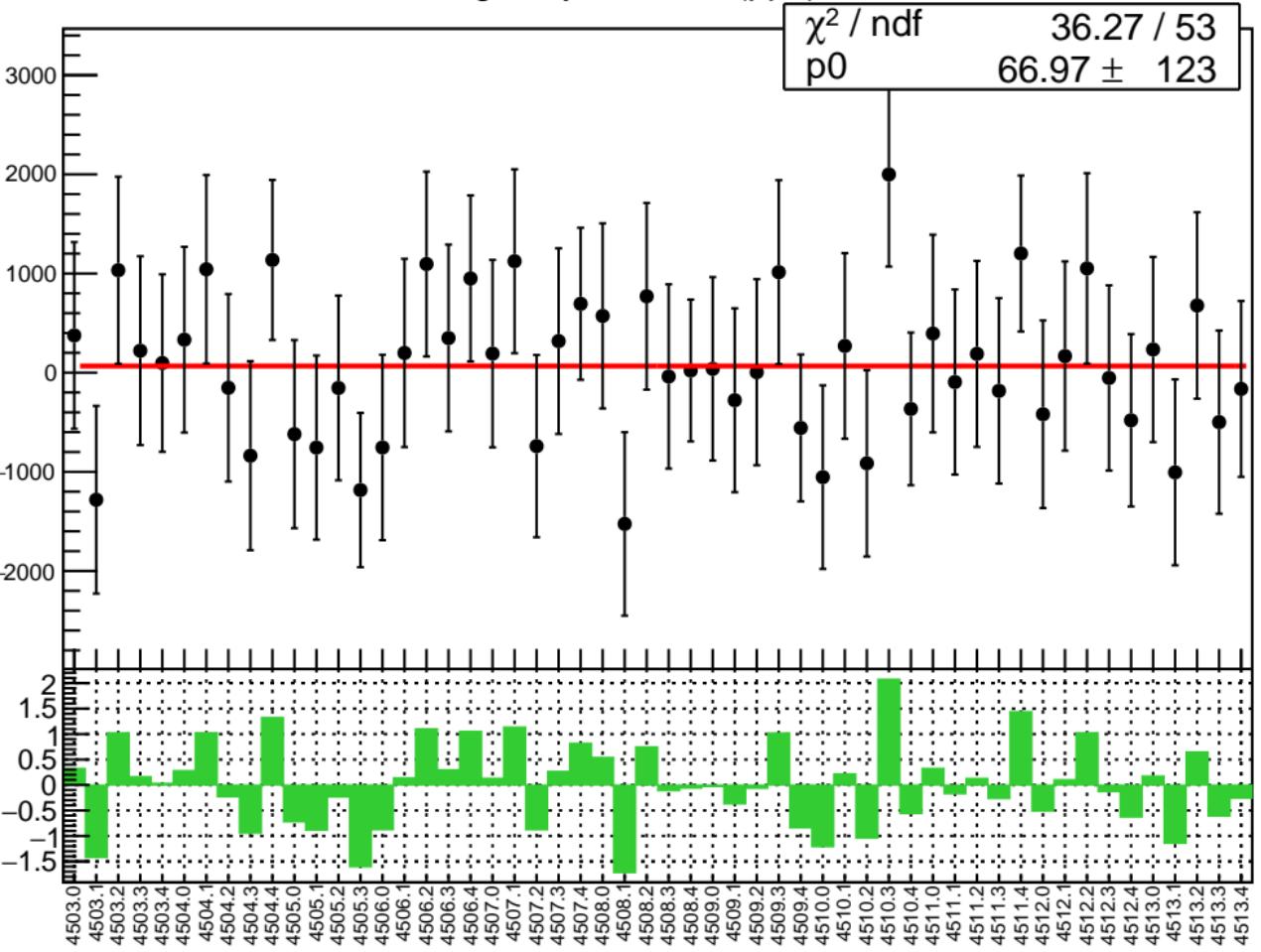


# lagr\_asym\_us\_avg RMS (ppm)

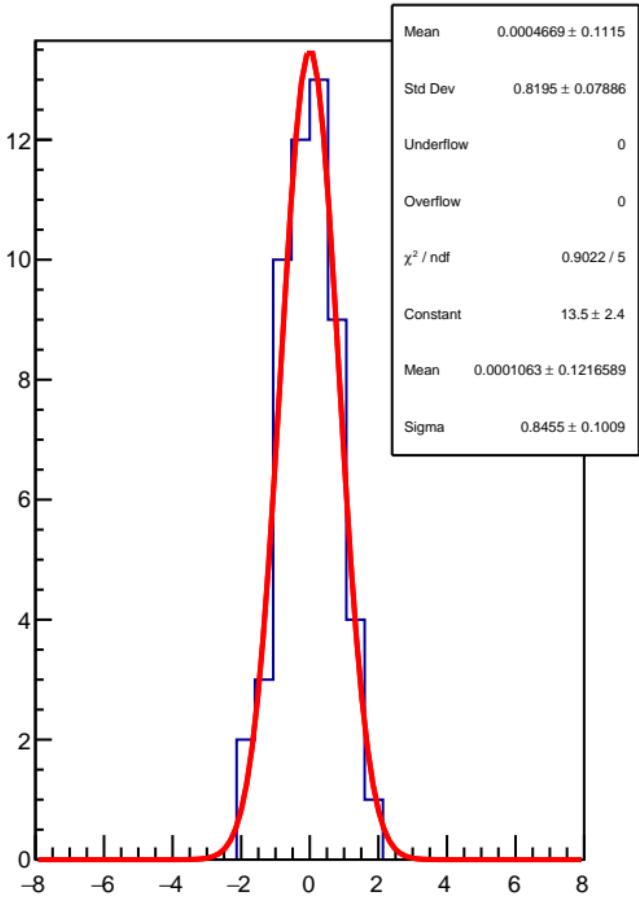
RMS (ppm)



lagr\_asym\_us\_dd (ppb)

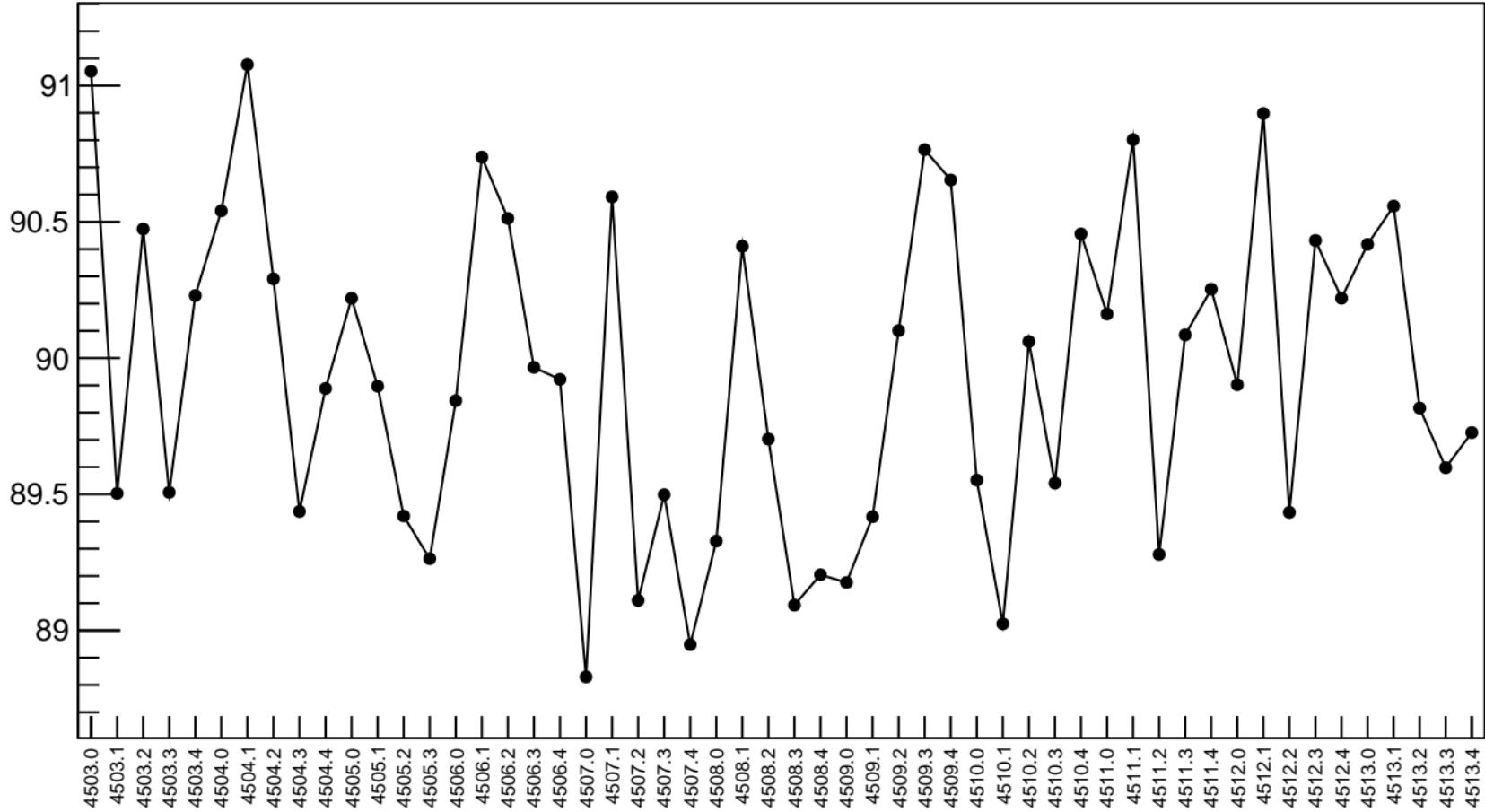


1D pull distribution

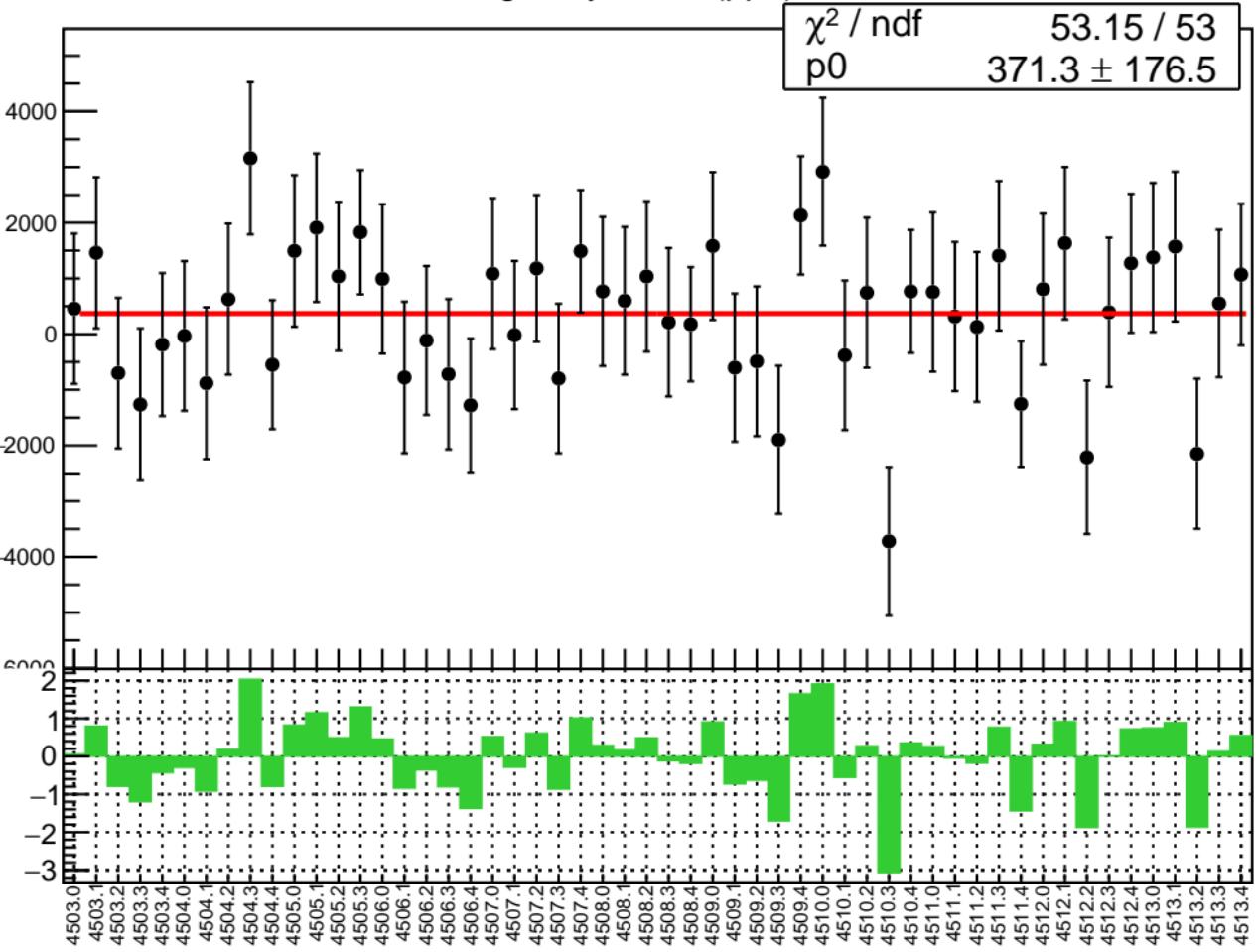


# lagr\_asym\_us\_dd RMS (ppm)

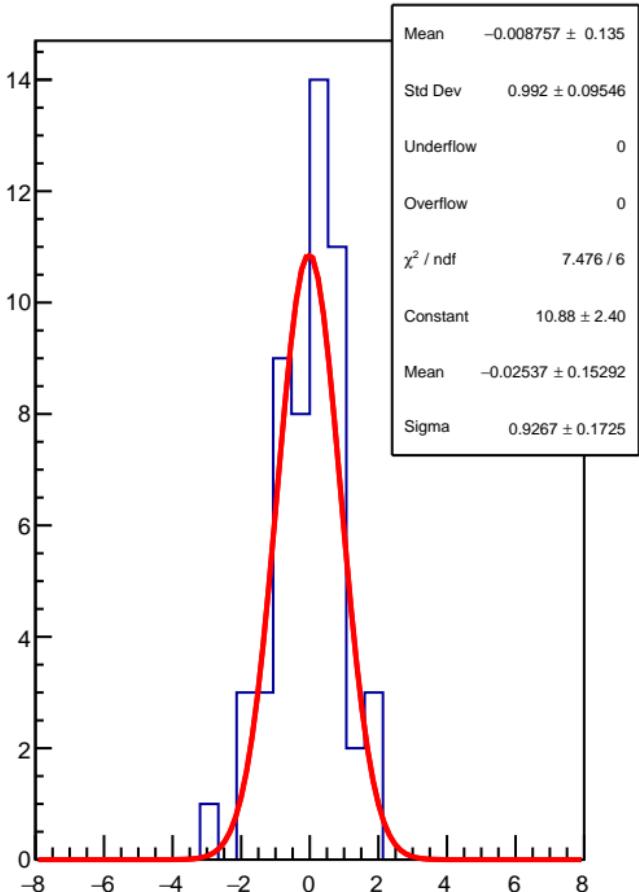
RMS (ppm)



lagr\_asym\_usr (ppb)

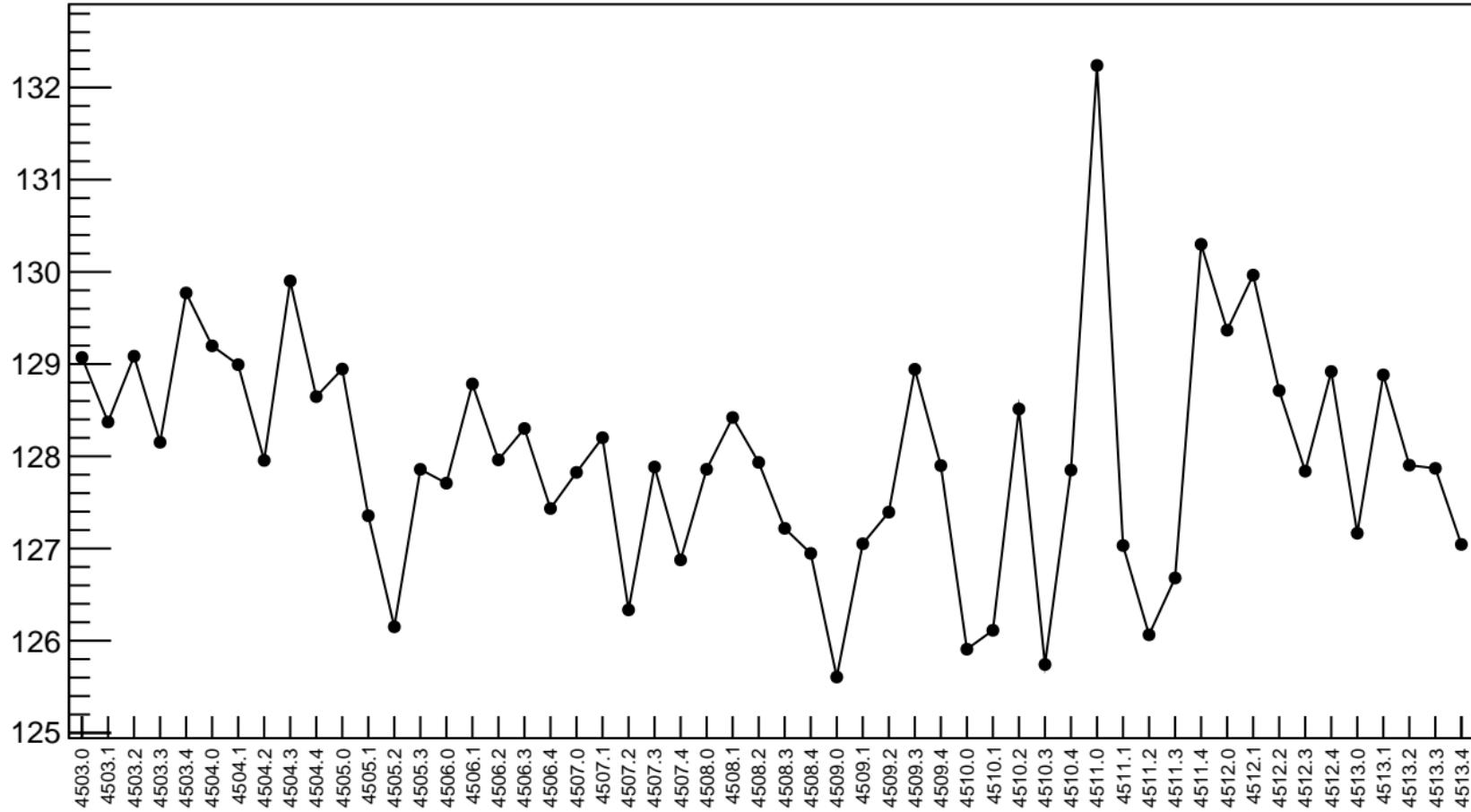


1D pull distribution



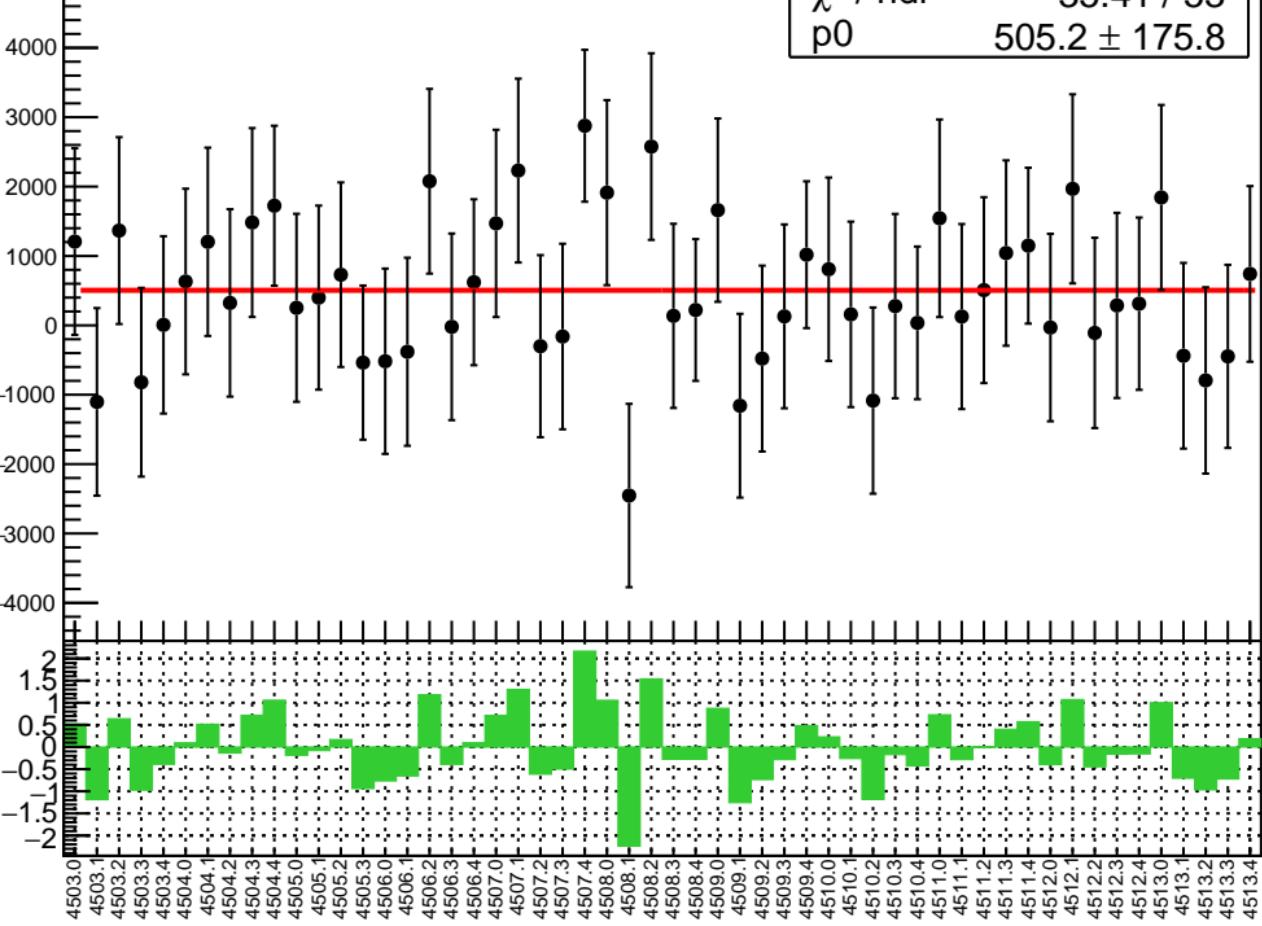
# lagr\_asym\_usr RMS (ppm)

RMS (ppm)

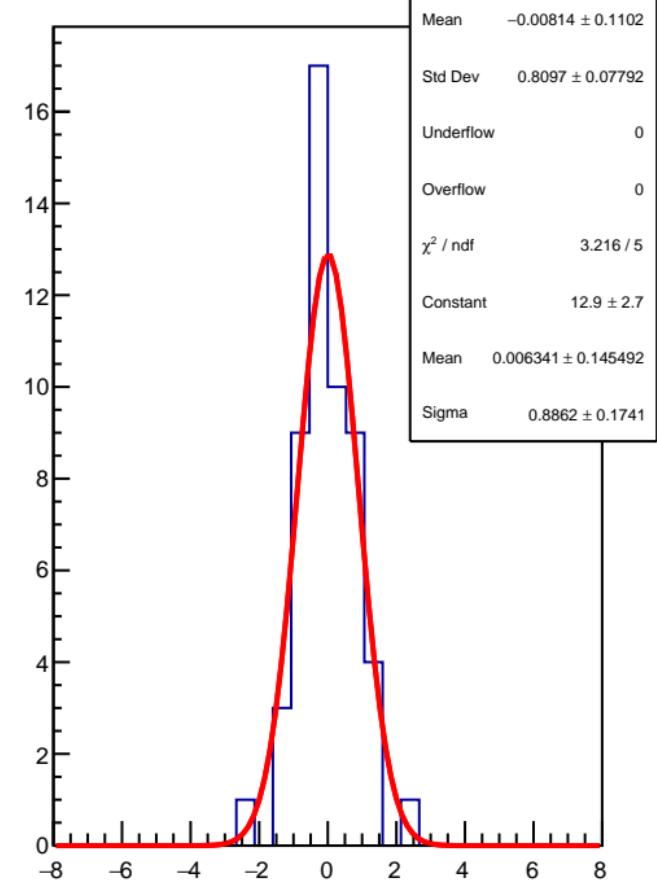


lagr\_asym\_usl (ppb)

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

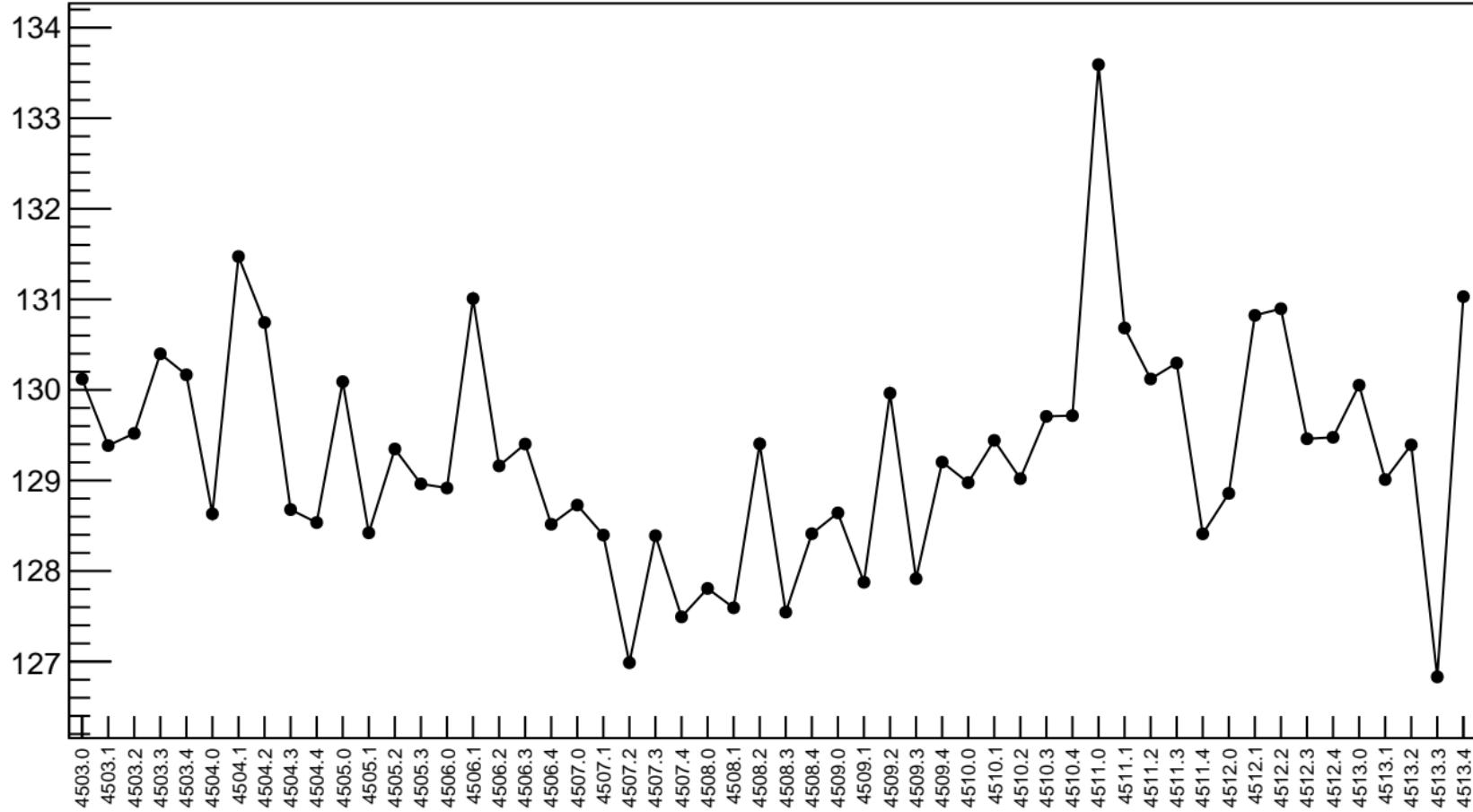


1D pull distribution



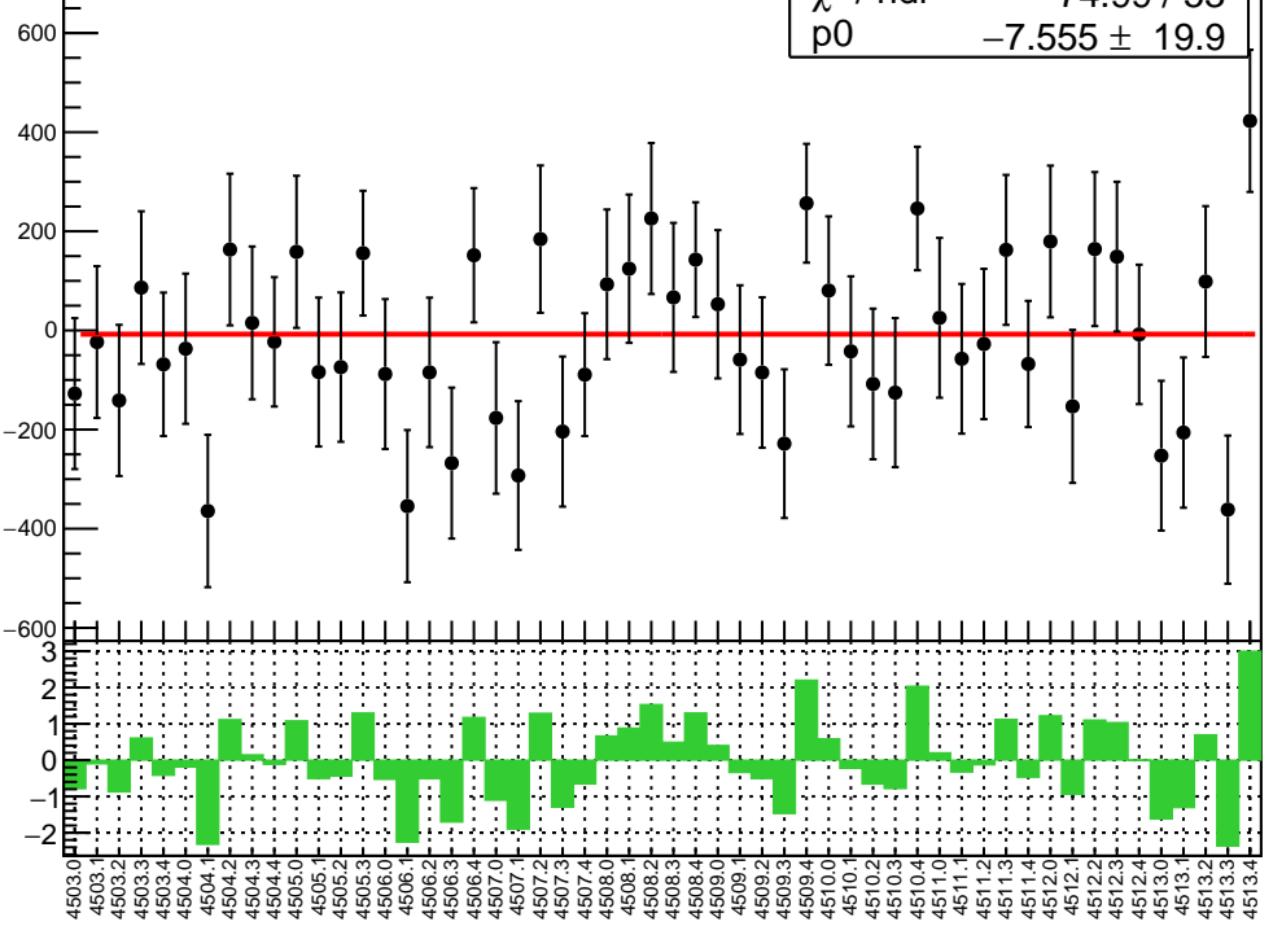
# lagr\_asym\_usl RMS (ppm)

RMS (ppm)

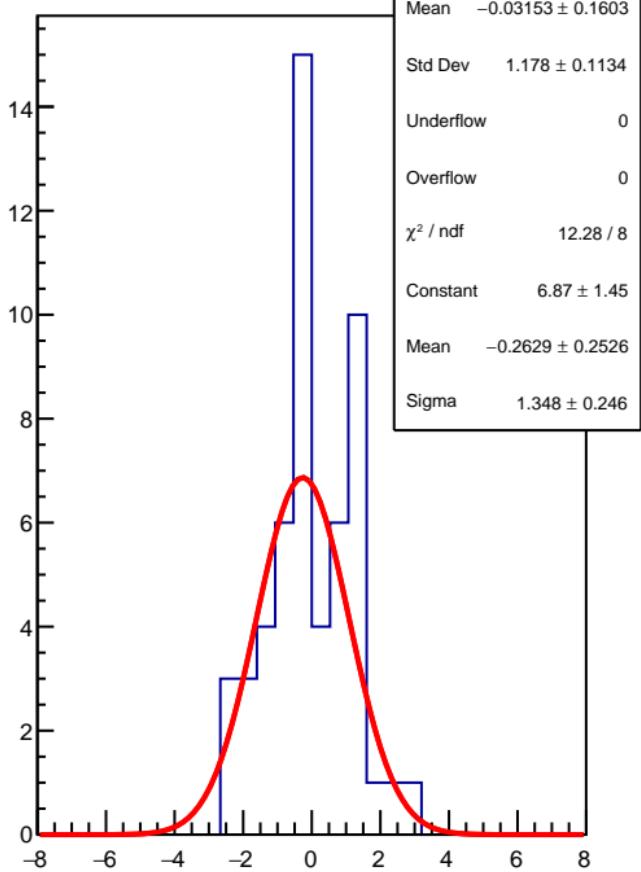


diff\_evMon0 (nm)

$\chi^2 / \text{ndf}$  74.99 / 53  
p0  $-7.555 \pm 19.9$



1D pull distribution



# diff\_evMon0 RMS (um)

RMS (um)

22

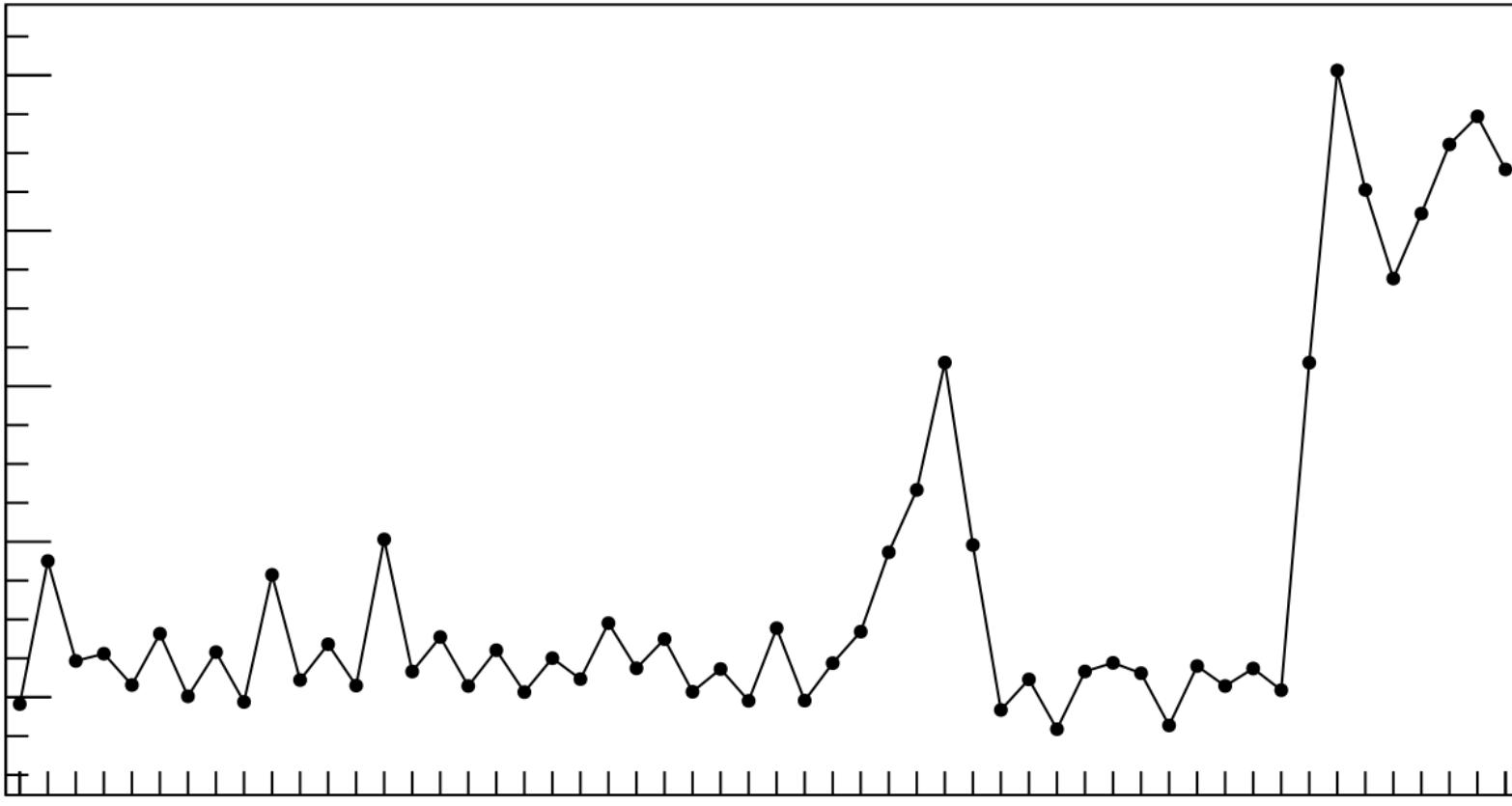
20

18

16

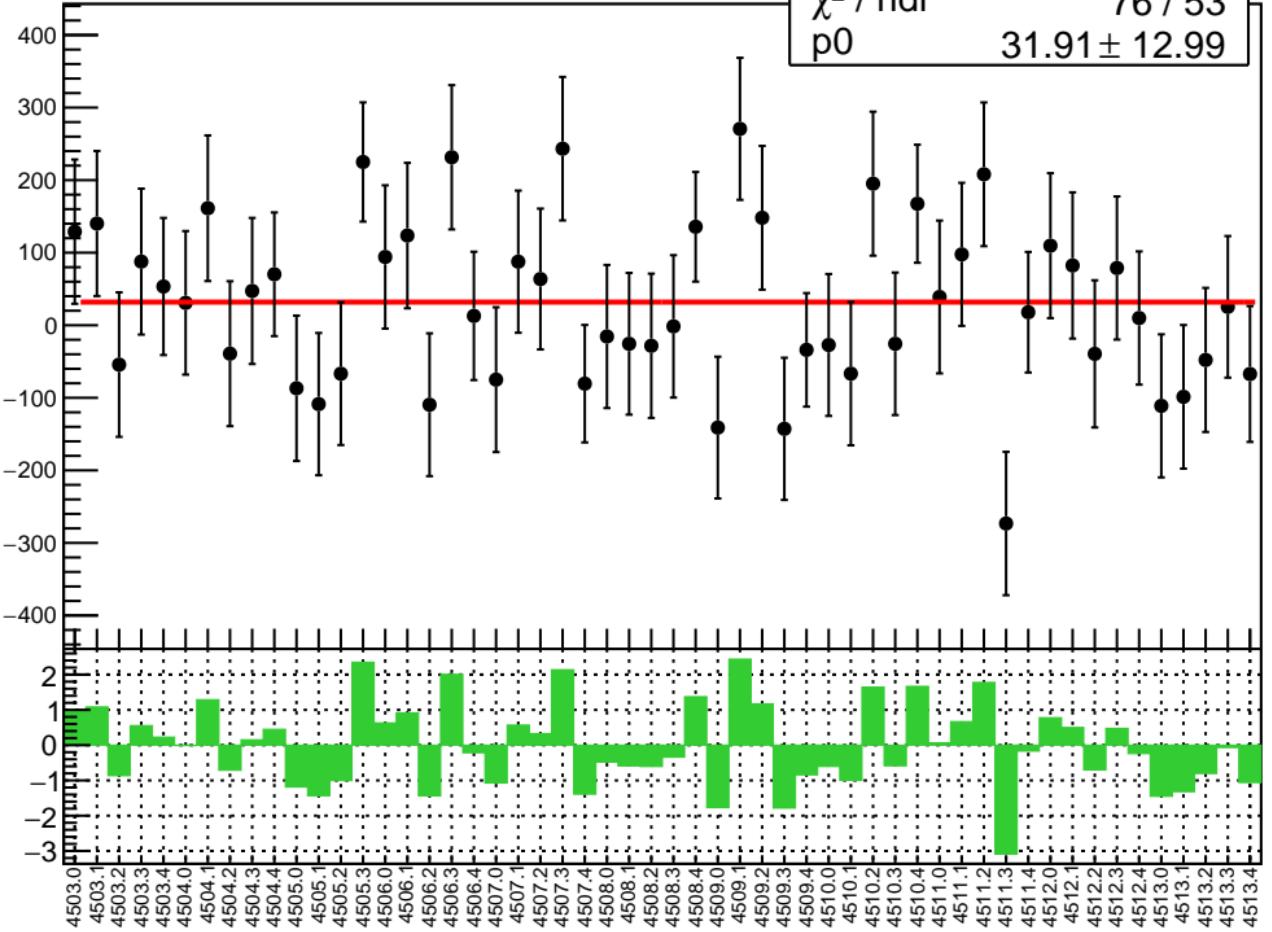
14

4503.0 4503.1 4503.2 4503.3 4503.4 4504.0 4504.1 4504.2 4504.3 4504.4 4505.0 4505.1 4505.2 4505.3 4506.0 4506.1 4506.2 4506.3 4506.4 4507.0 4507.1 4507.2 4507.3 4507.4 4508.0 4508.1 4508.2 4508.3 4508.4 4509.0 4509.1 4509.2 4509.3 4509.4 4510.0 4510.1 4510.2 4510.3 4510.4 4511.0 4511.1 4511.2 4511.3 4511.4 4512.0 4512.1 4512.2 4512.3 4512.4 4513.0 4513.1 4513.2 4513.3 4513.4

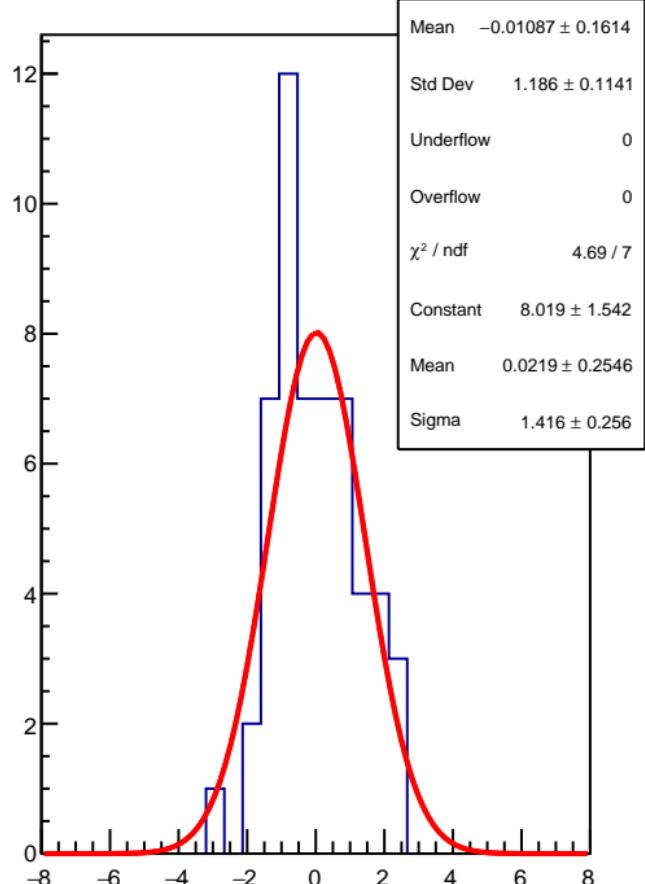


diff\_evMon1 (nm)

$\chi^2 / \text{ndf}$  76 / 53  
p0  $31.91 \pm 12.99$

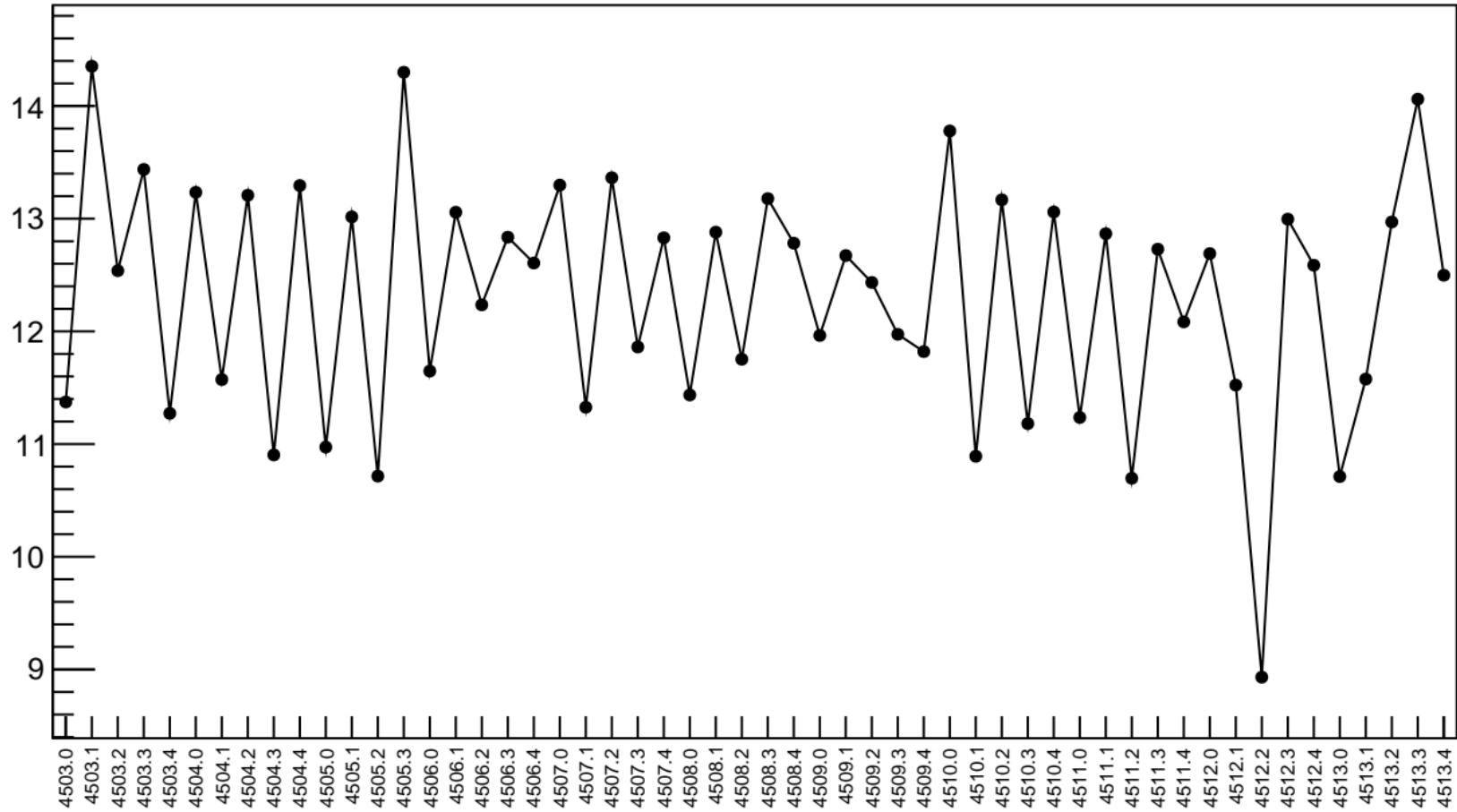


1D pull distribution



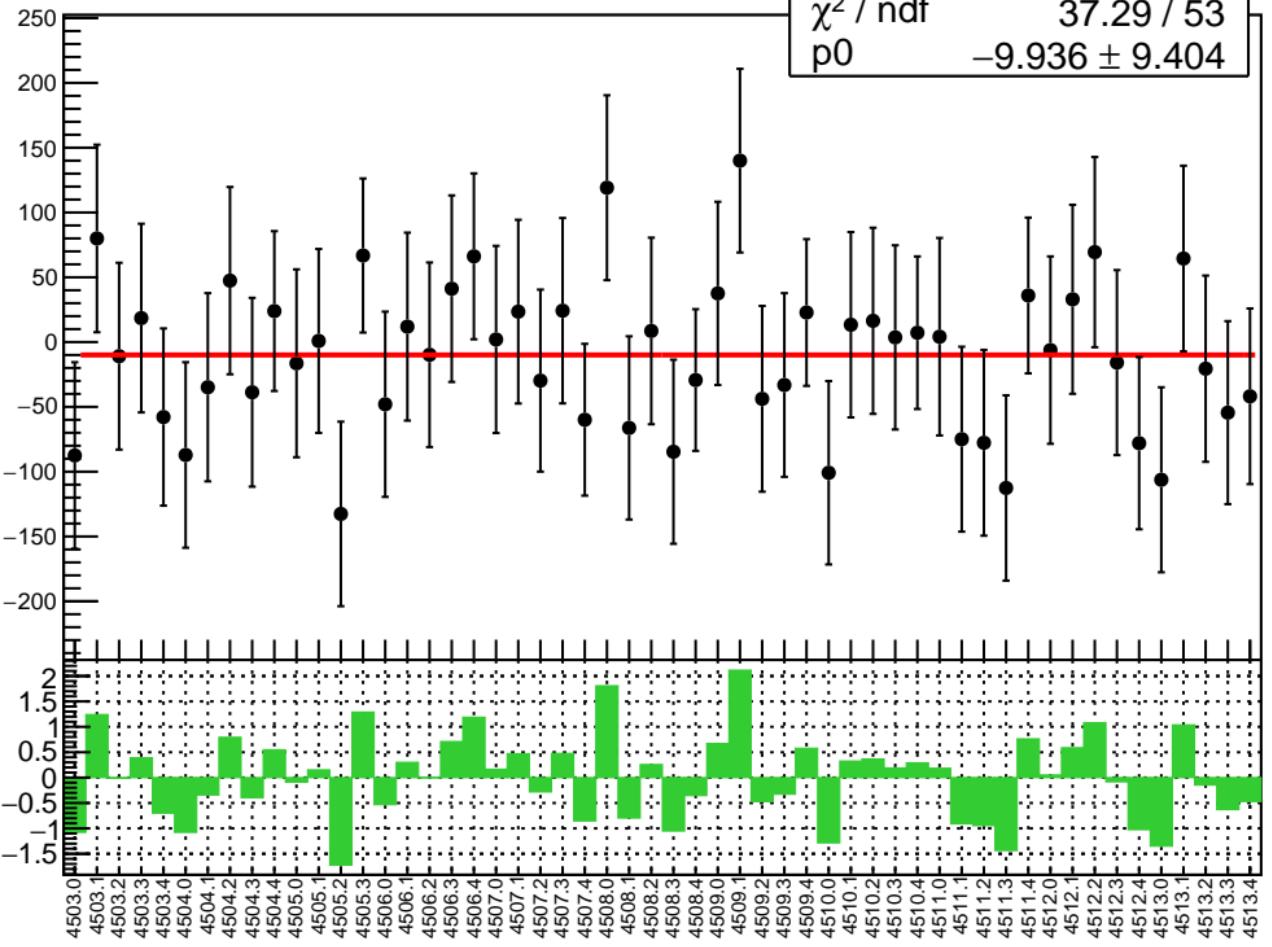
# diff\_evMon1 RMS (um)

RMS (um)

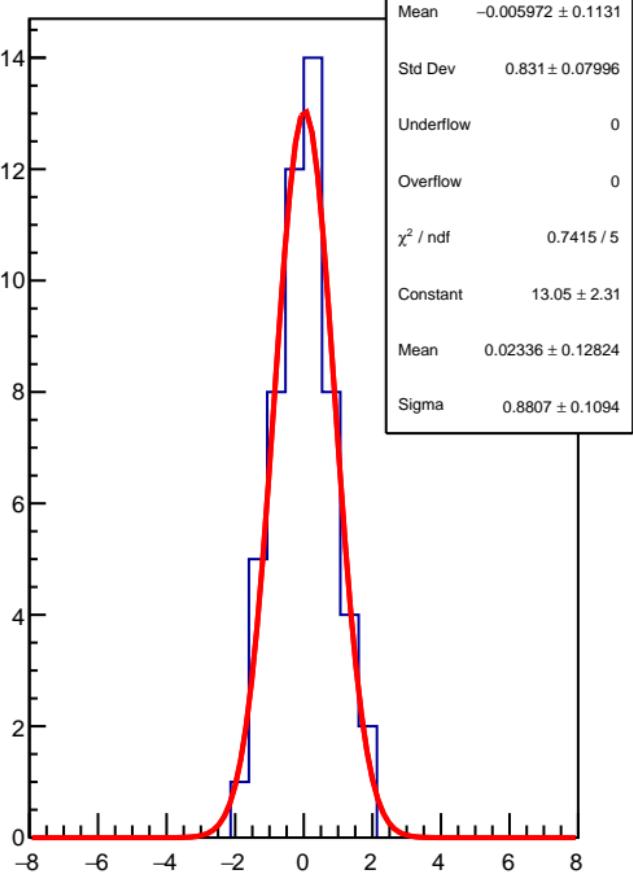


diff\_evMon2 (nm)

$\chi^2 / \text{ndf}$  37.29 / 53  
p0  $-9.936 \pm 9.404$

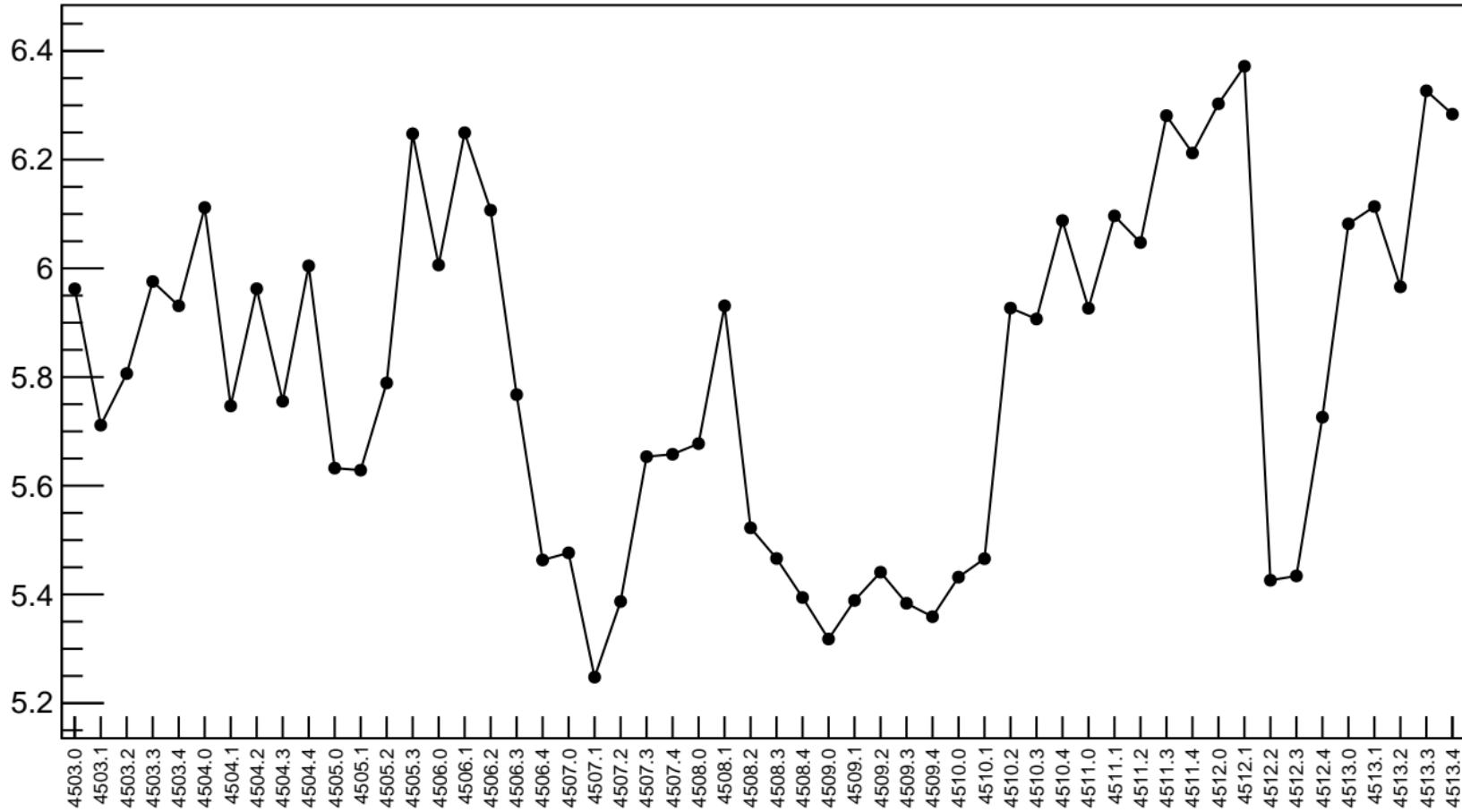


1D pull distribution

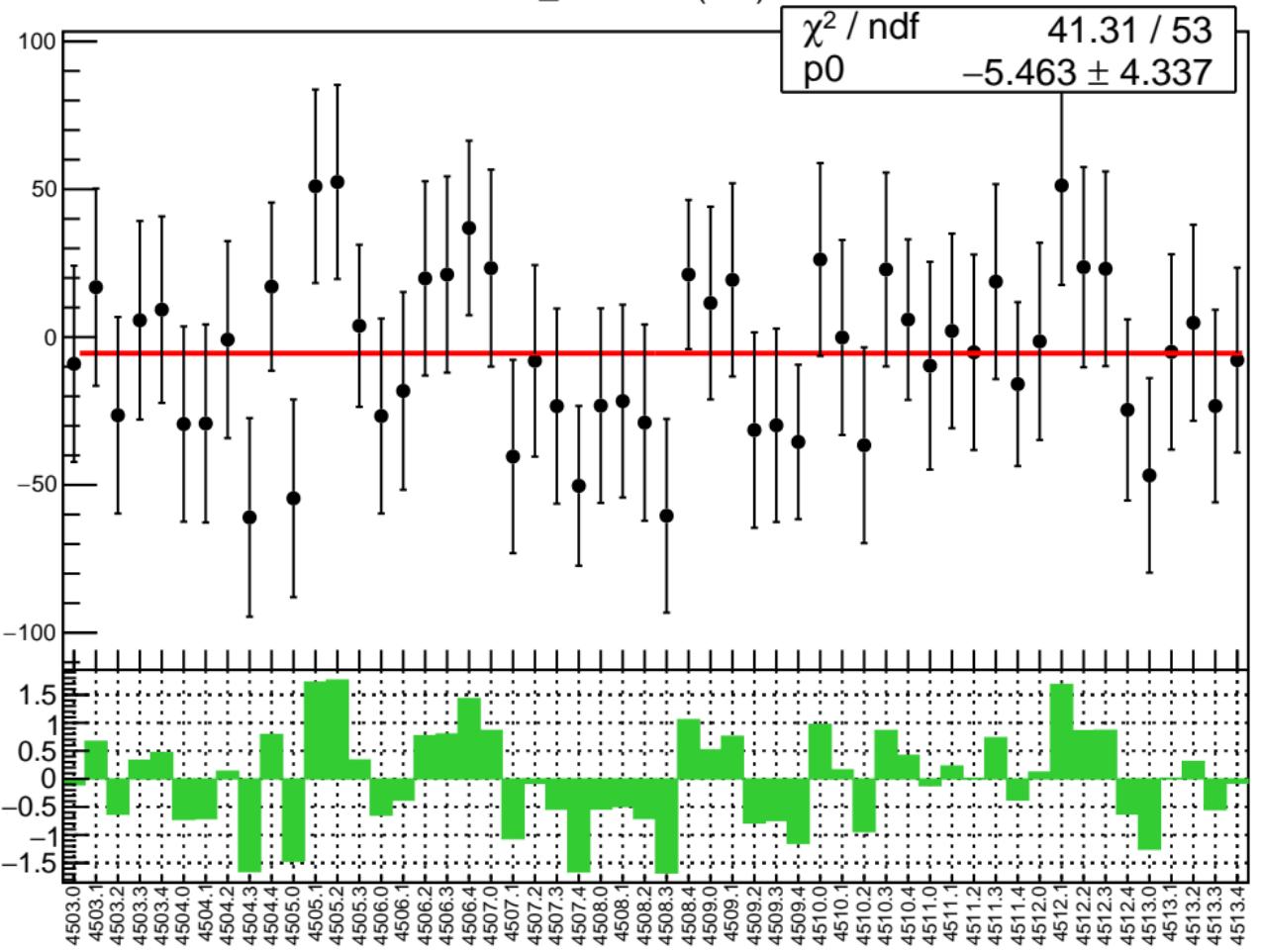


# diff\_evMon2 RMS (um)

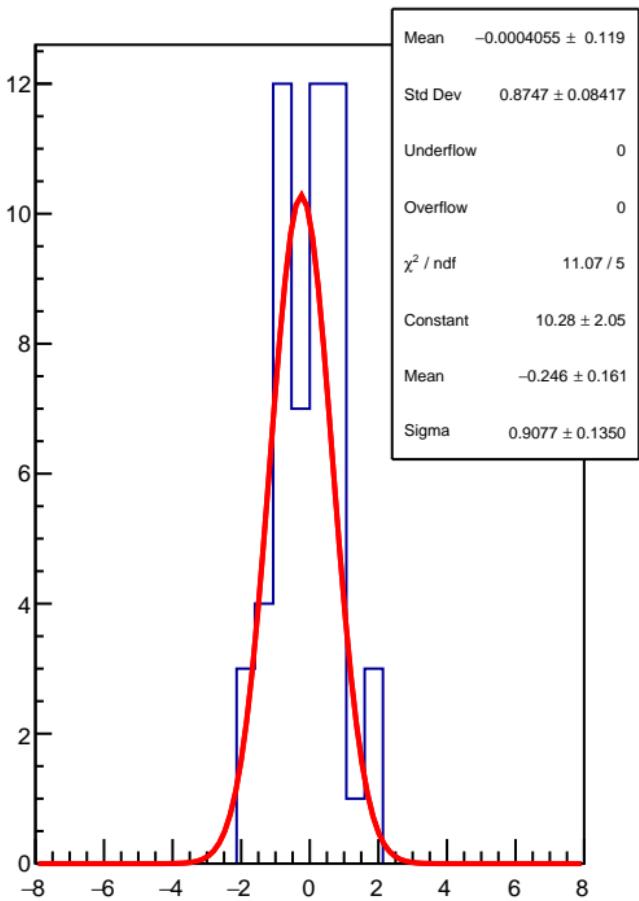
RMS (um)



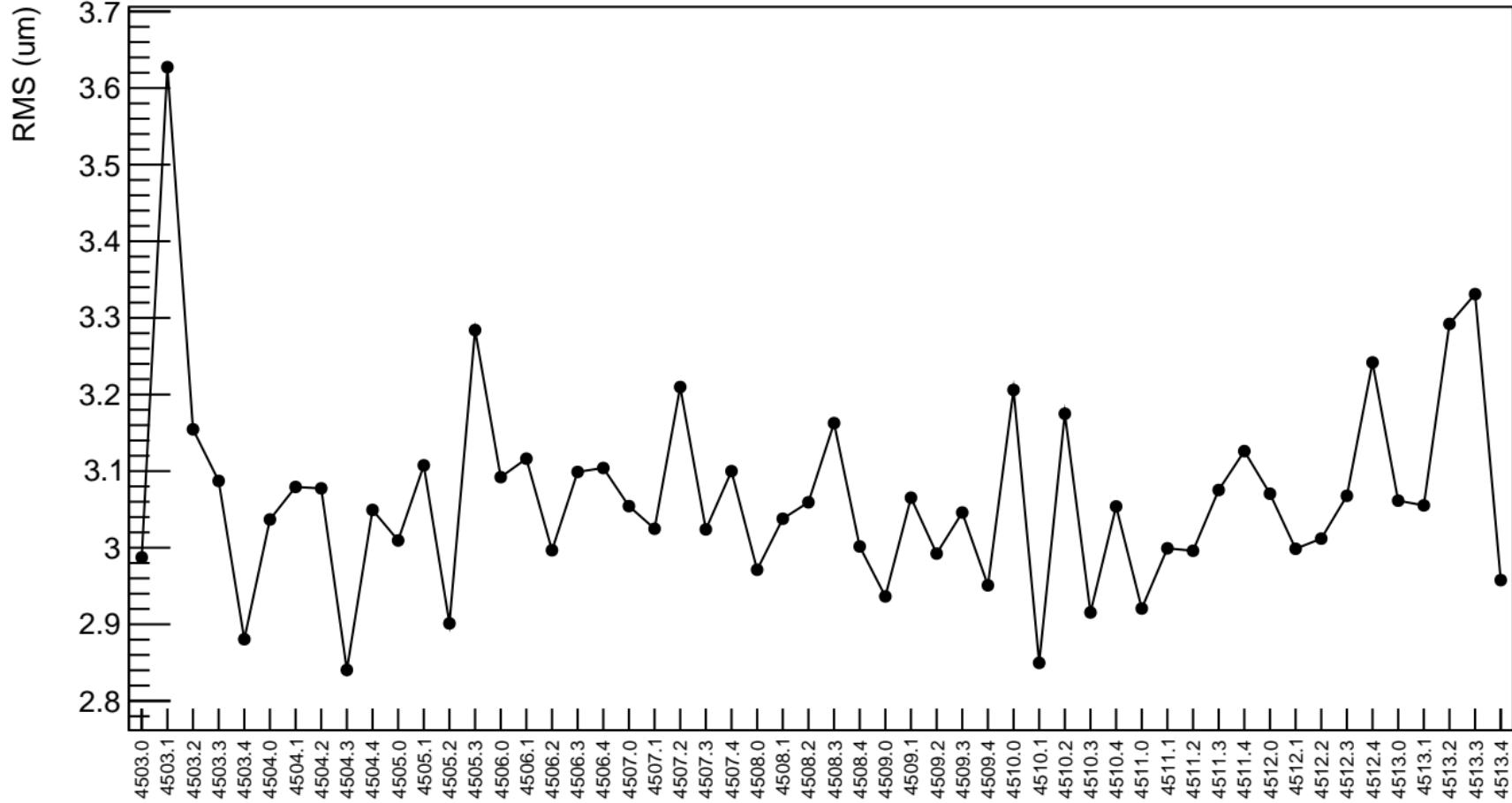
diff\_evMon3 (nm)



1D pull distribution

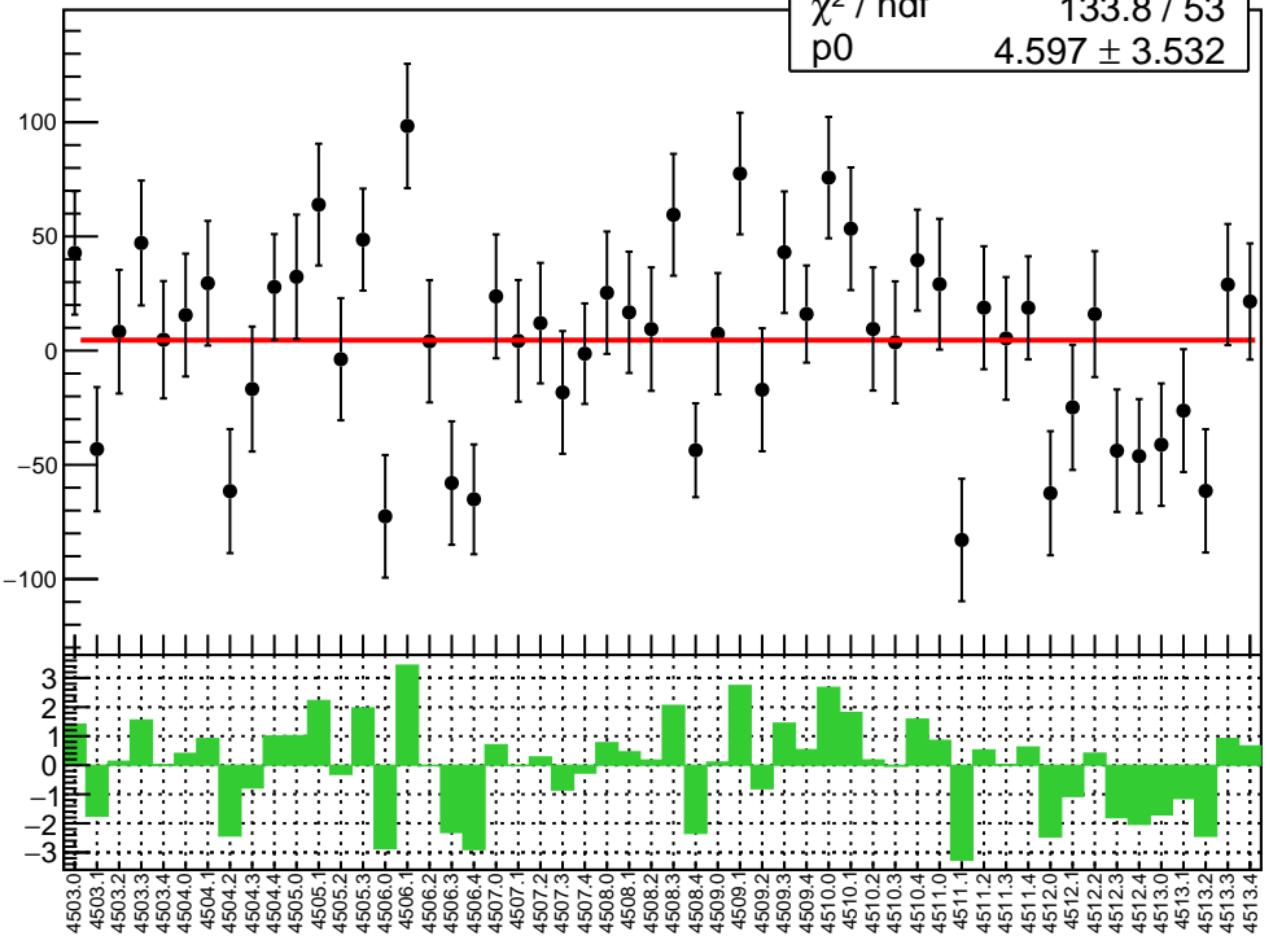


# diff\_evMon3 RMS (um)

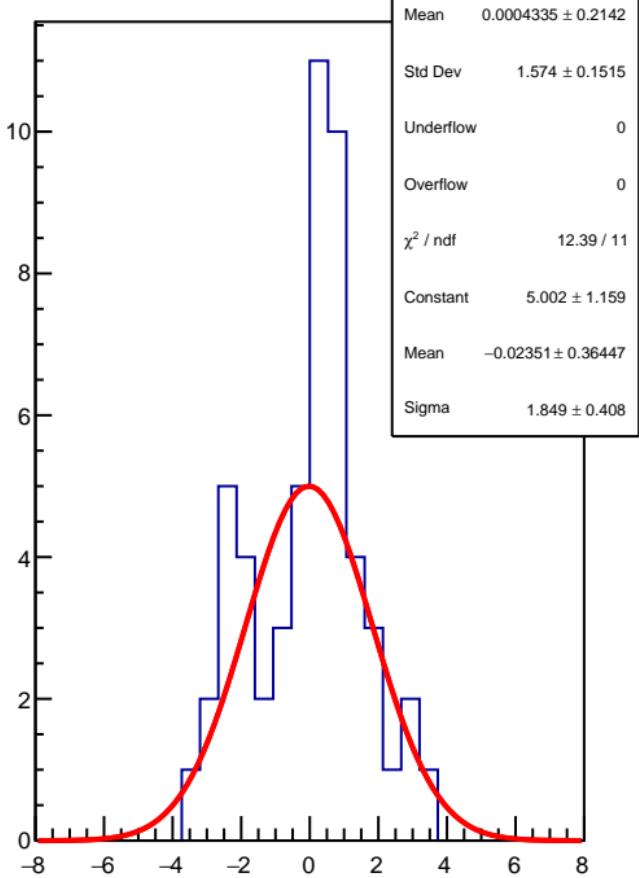


diff\_evMon4 (nm)

$\chi^2 / \text{ndf}$  133.8 / 53  
 $p_0$   $4.597 \pm 3.532$

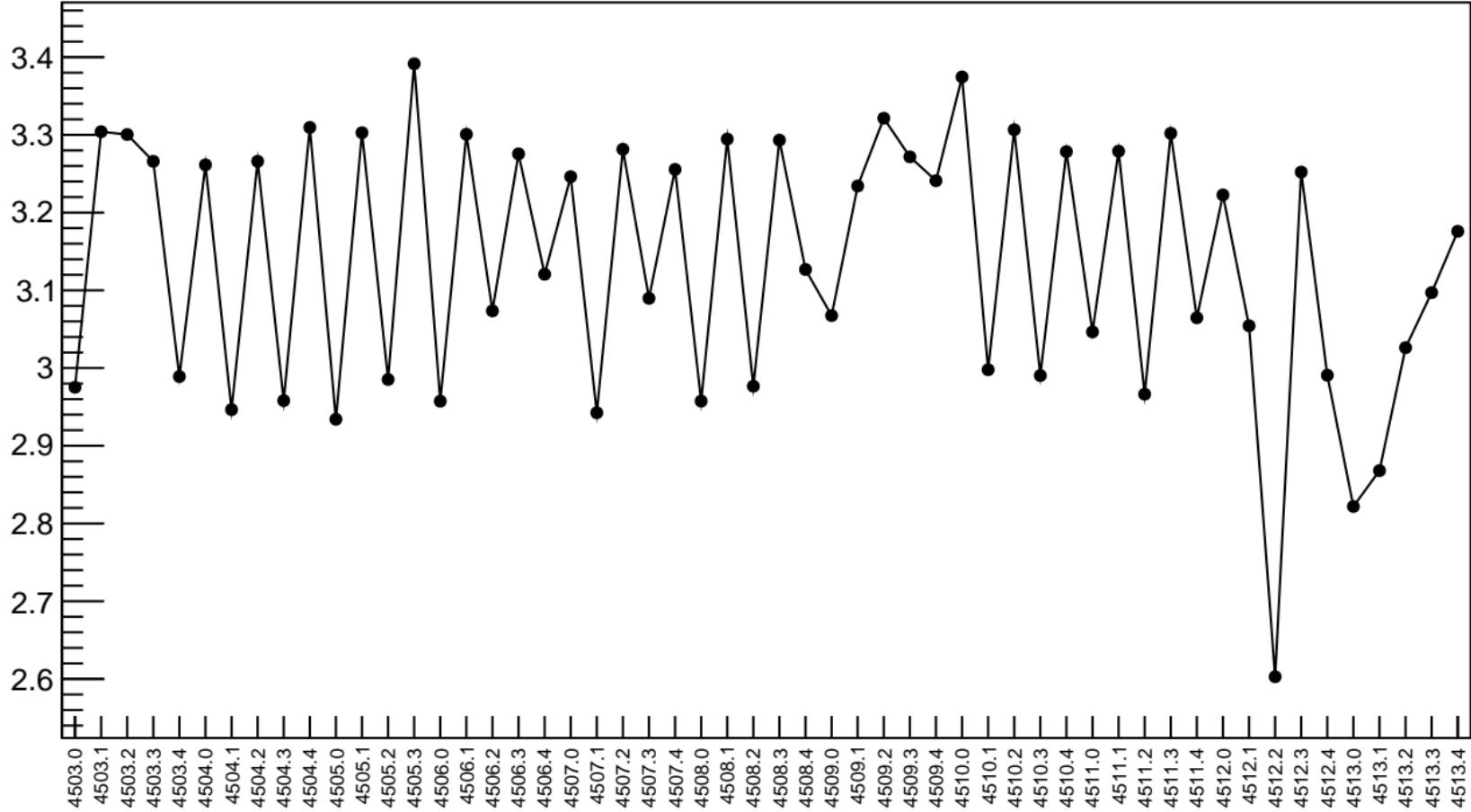


1D pull distribution



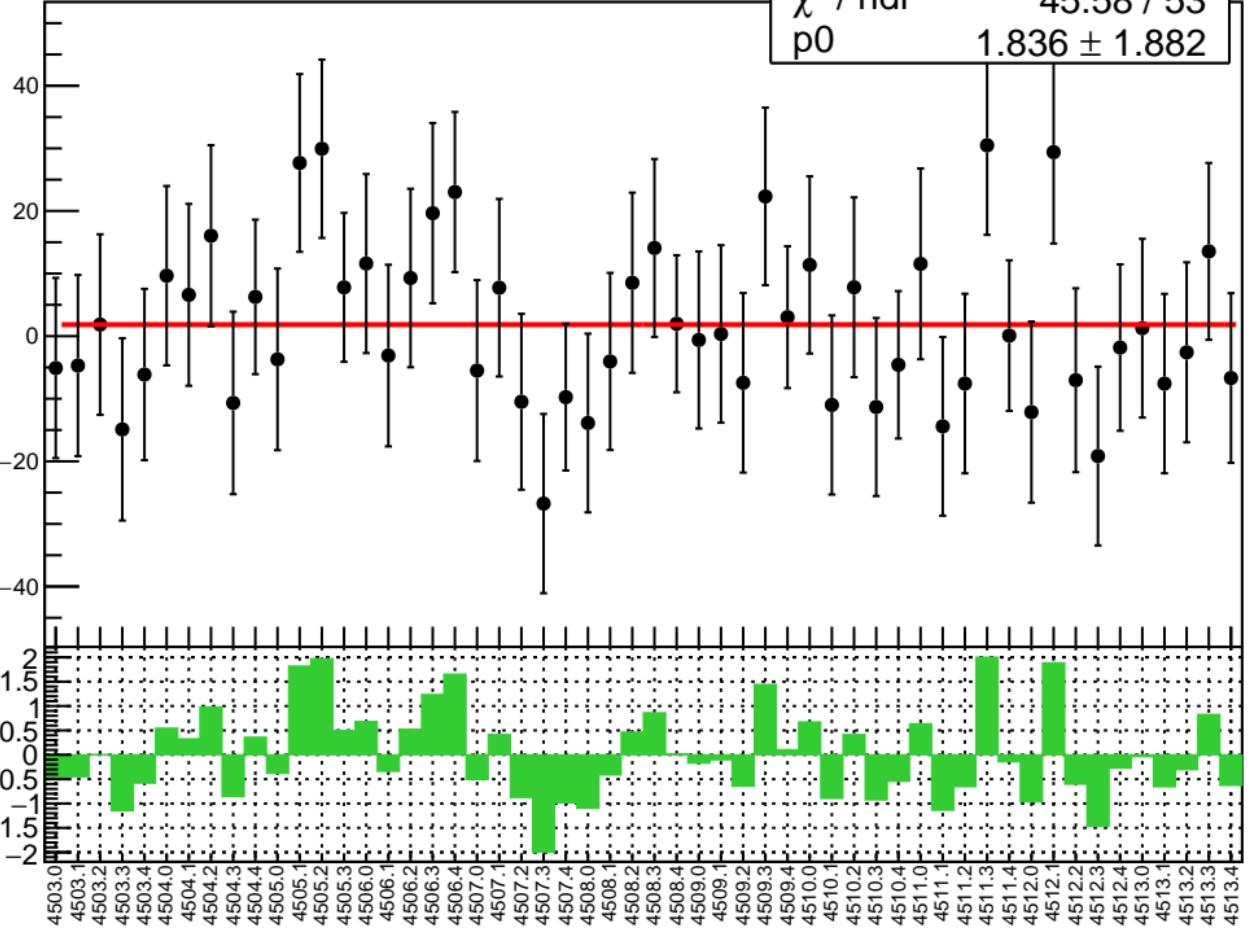
# diff\_evMon4 RMS (um)

RMS (um)

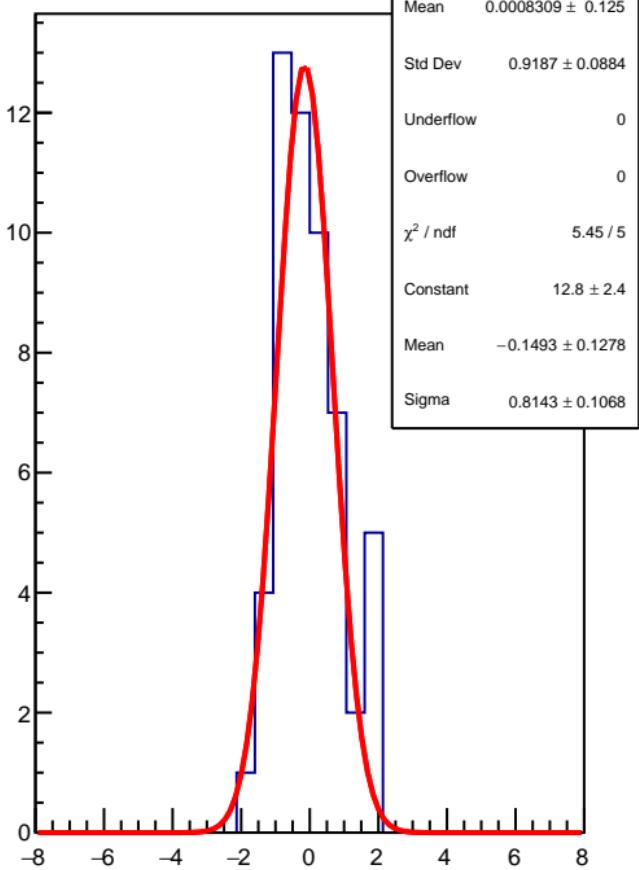


diff\_evMon5 (nm)

$\chi^2 / \text{ndf}$   
45.58 / 53  
 $p_0$   
 $1.836 \pm 1.882$

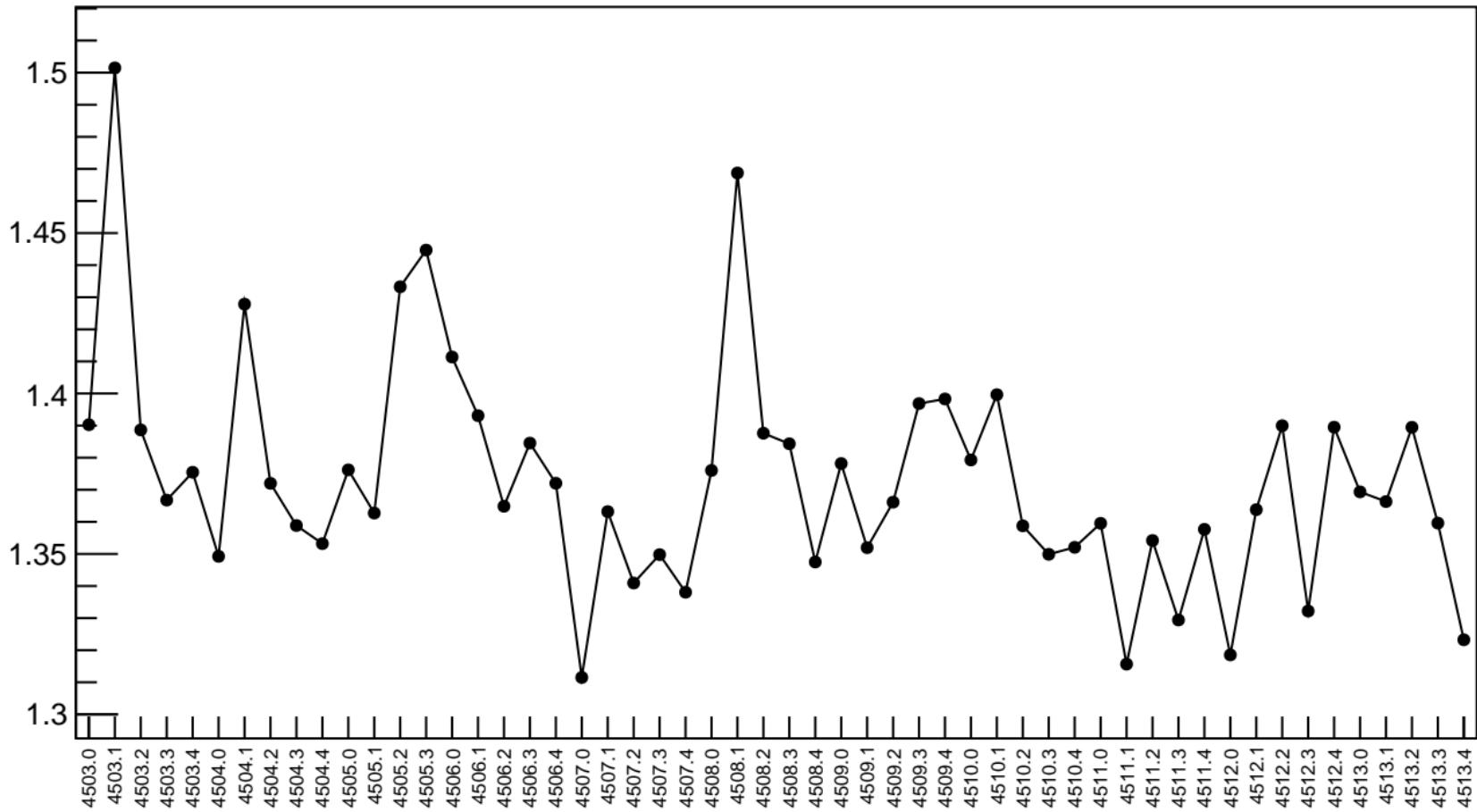


1D pull distribution



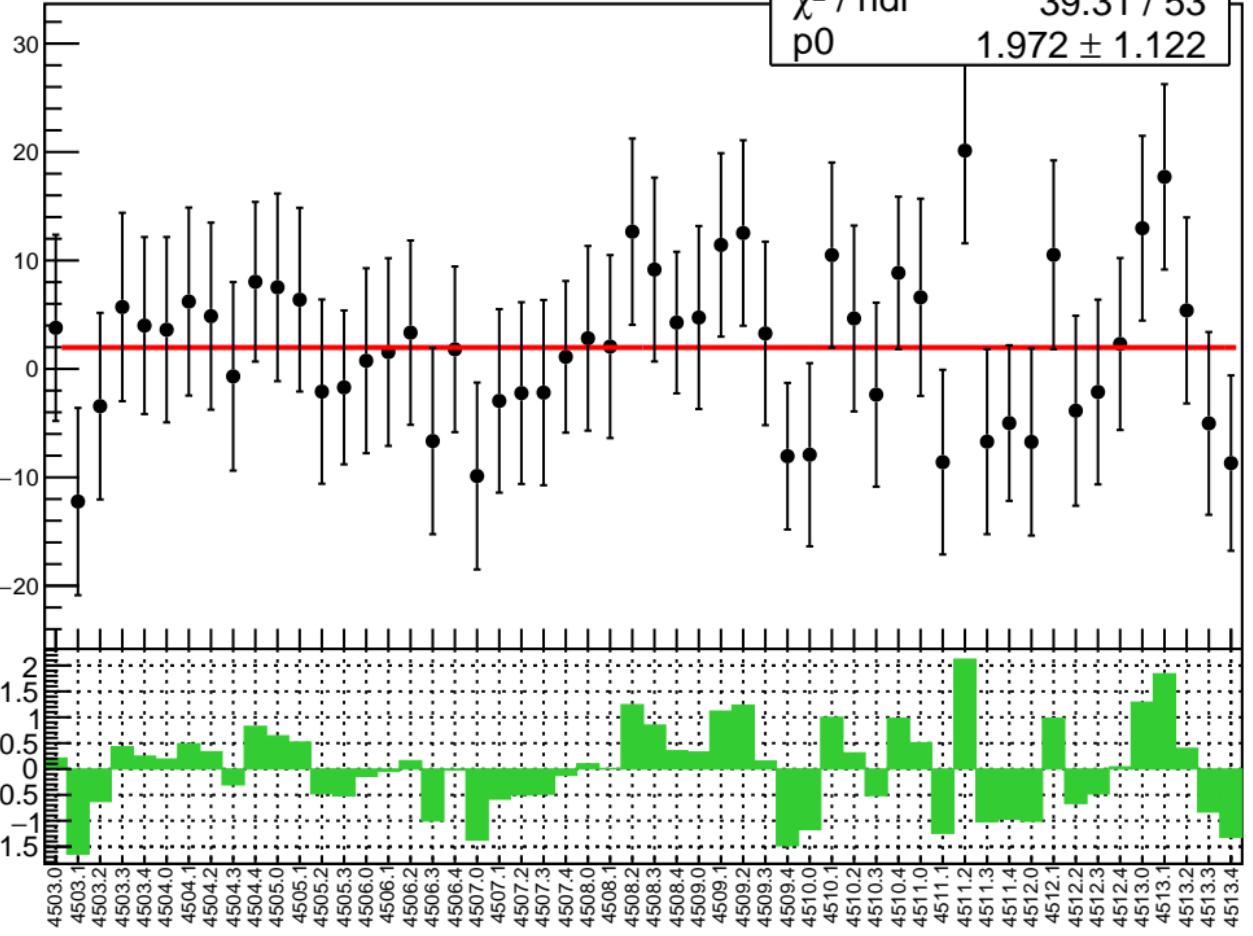
# diff\_evMon5 RMS (um)

RMS (um)

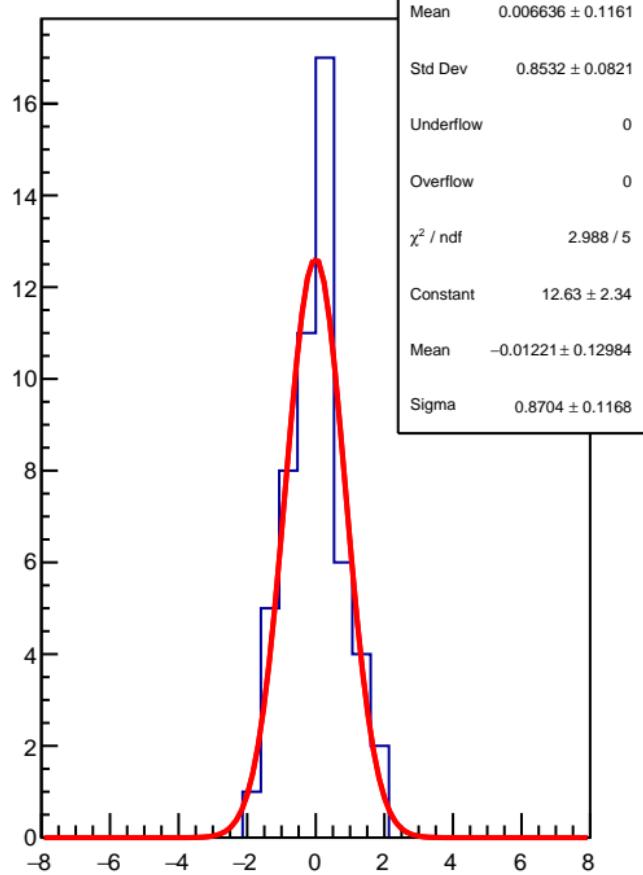


diff\_evMon6 (nm)

$\chi^2 / \text{ndf}$  39.31 / 53  
 $p_0$   $1.972 \pm 1.122$

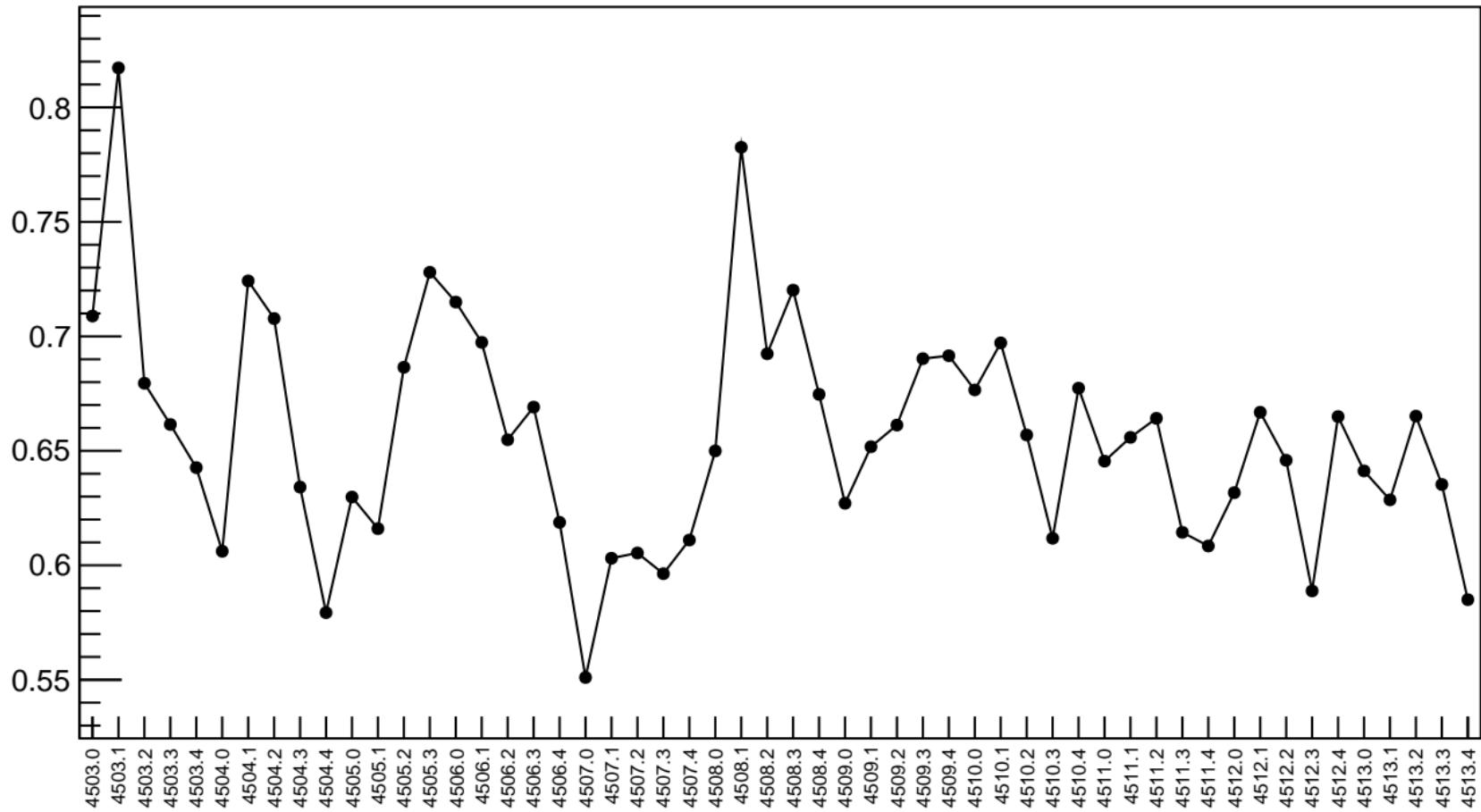


1D pull distribution



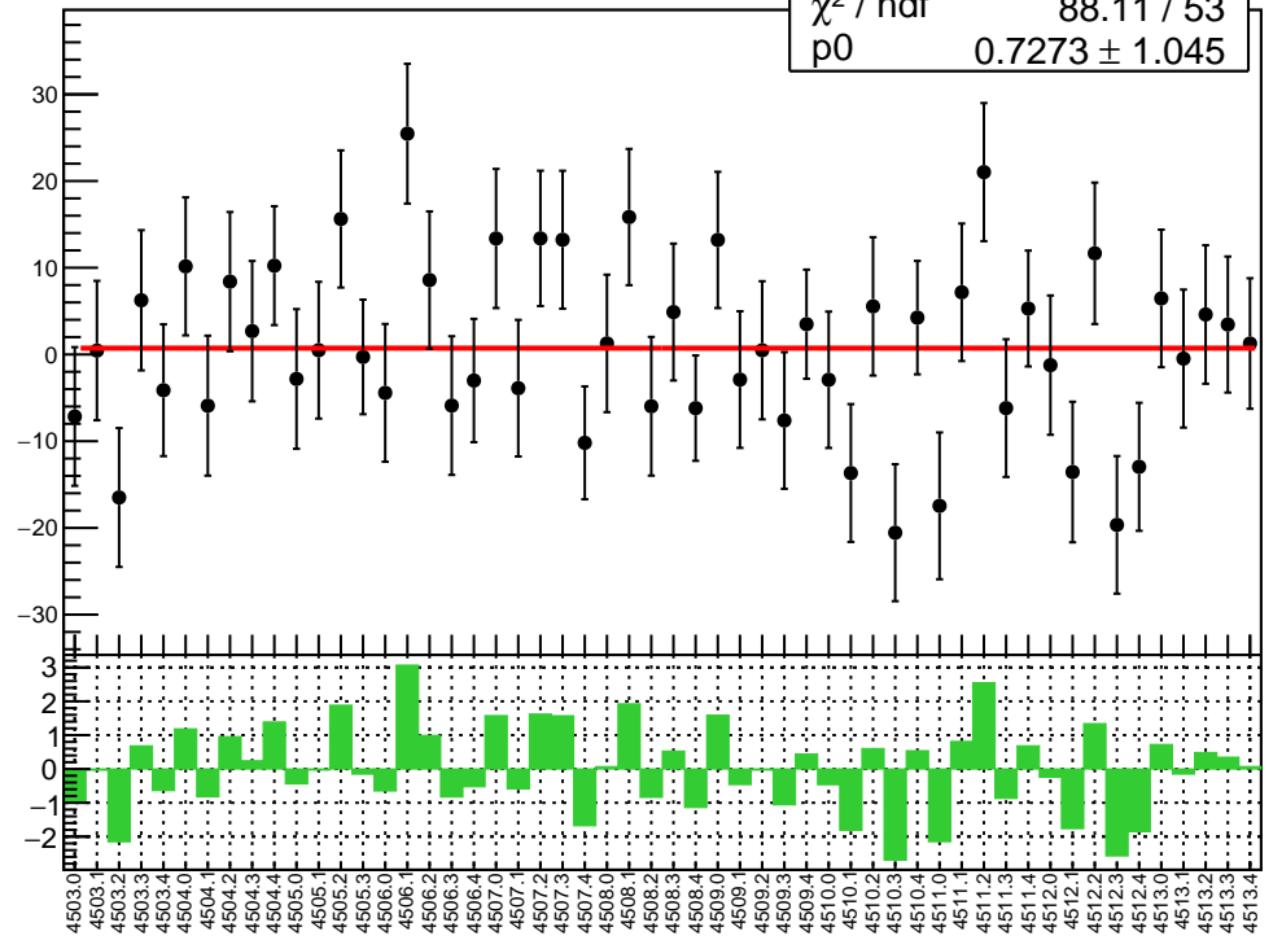
# diff\_evMon6 RMS (um)

RMS (um)

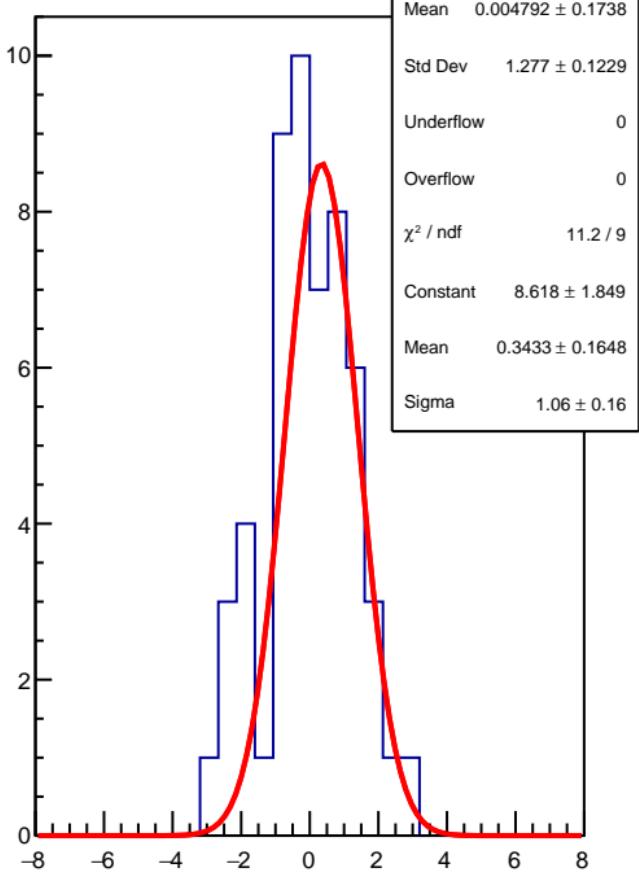


diff\_evMon7 (nm)

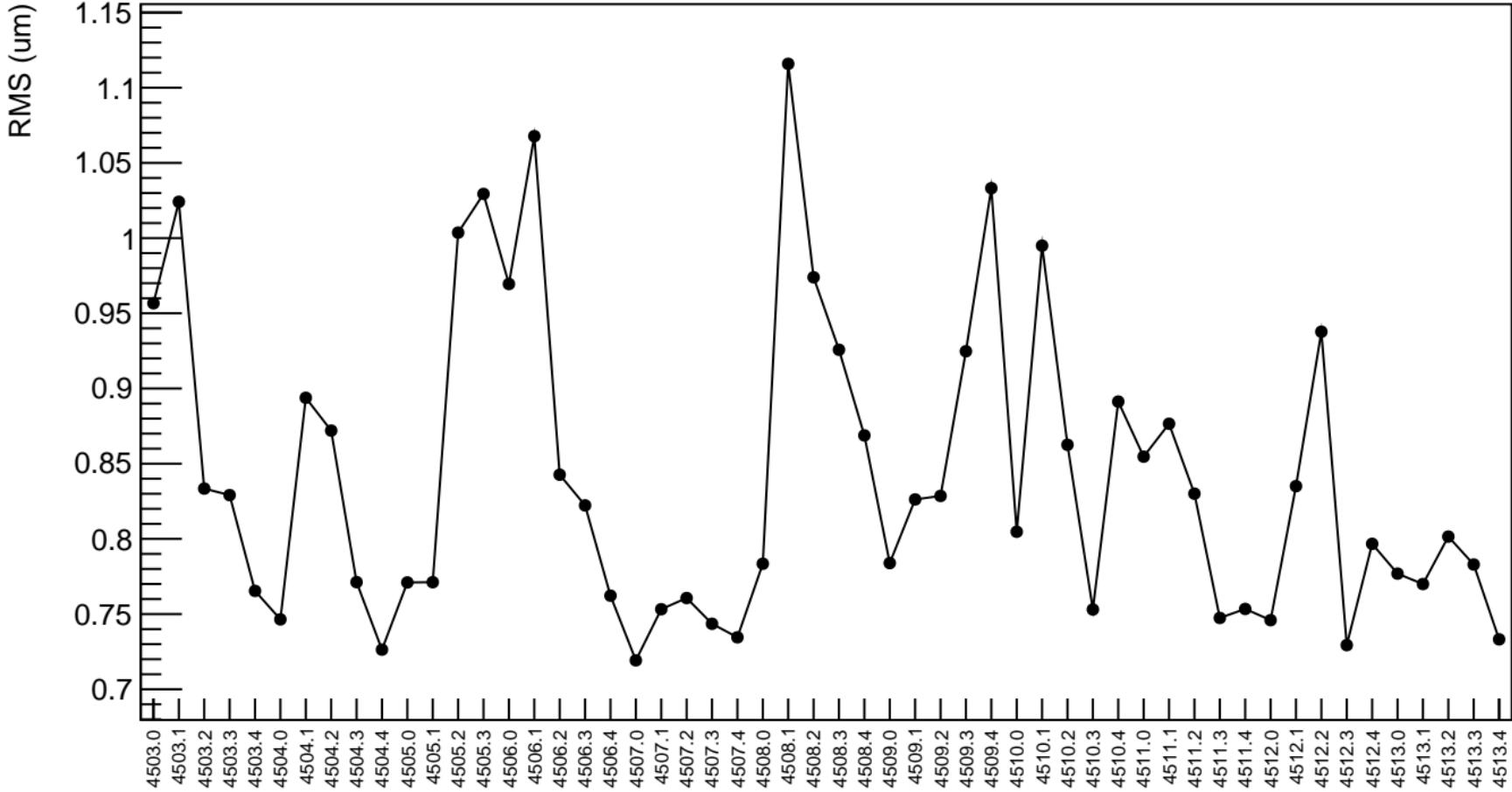
$\chi^2 / \text{ndf}$  88.11 / 53  
p0  $0.7273 \pm 1.045$



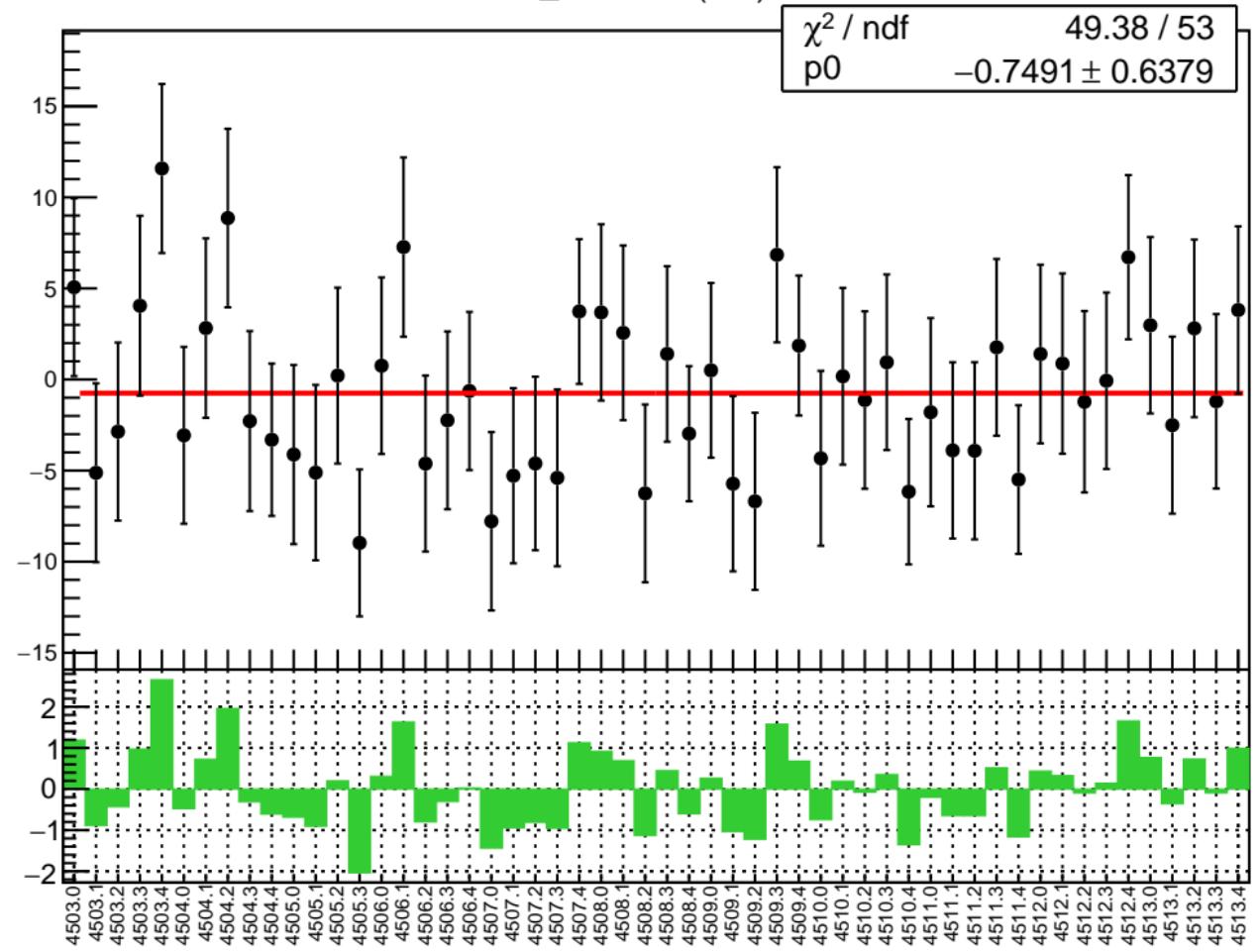
1D pull distribution



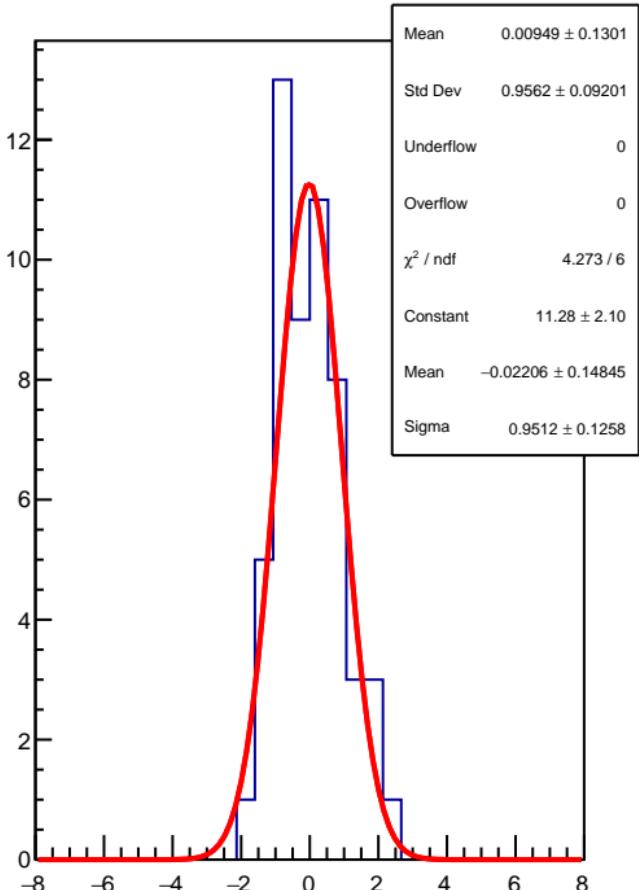
# diff\_evMon7 RMS (um)



diff\_evMon8 (nm)

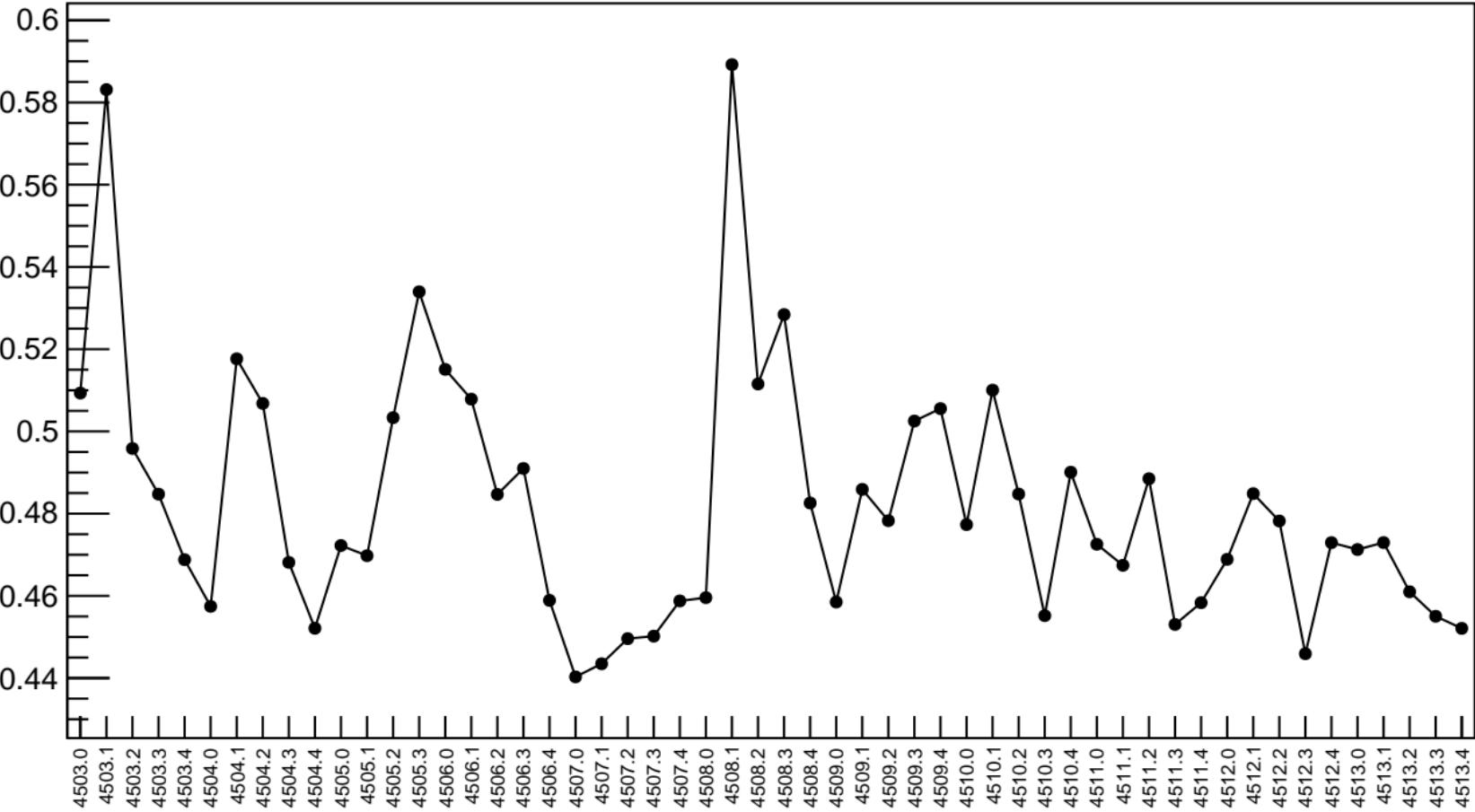


1D pull distribution



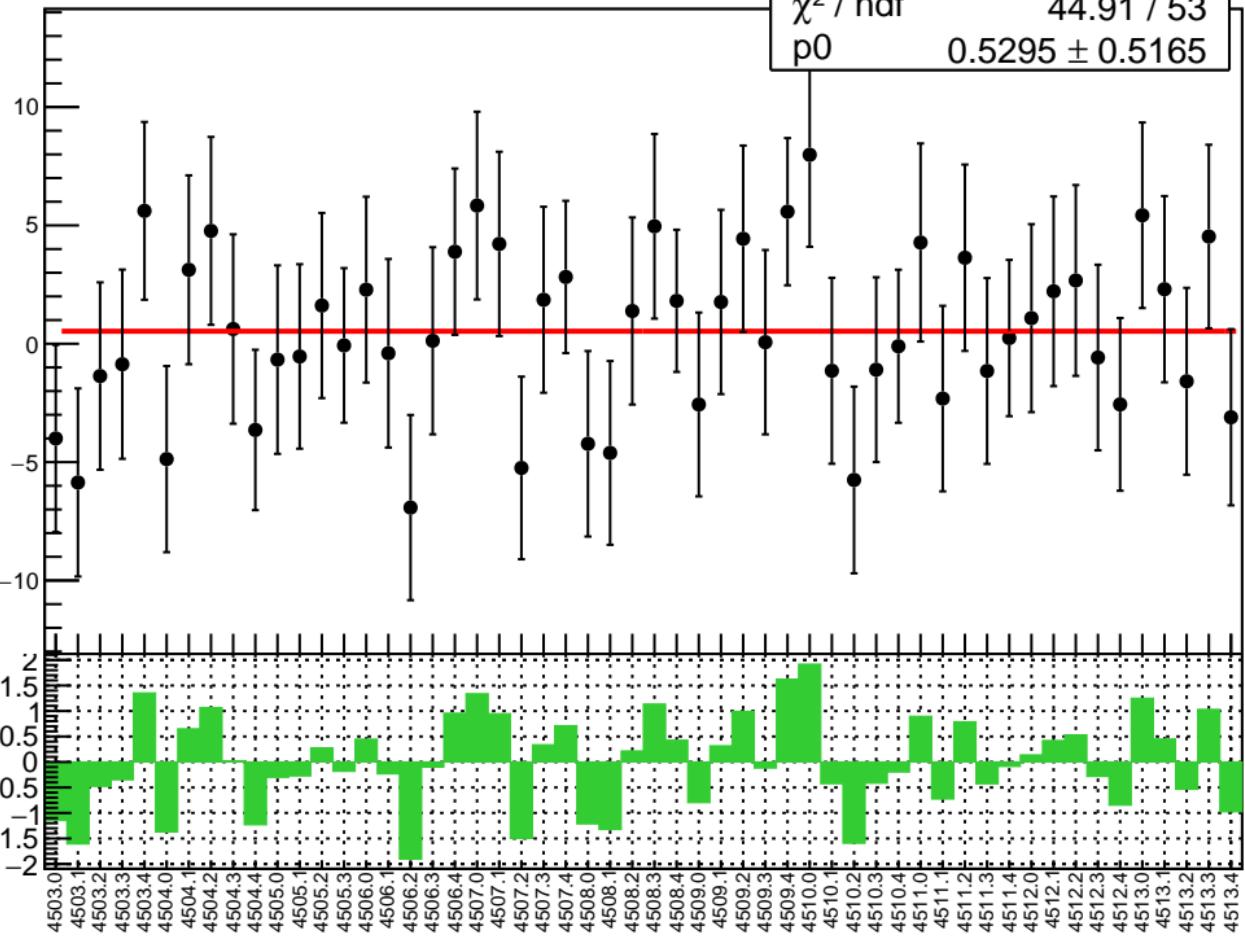
# diff\_evMon8 RMS (um)

RMS (um)

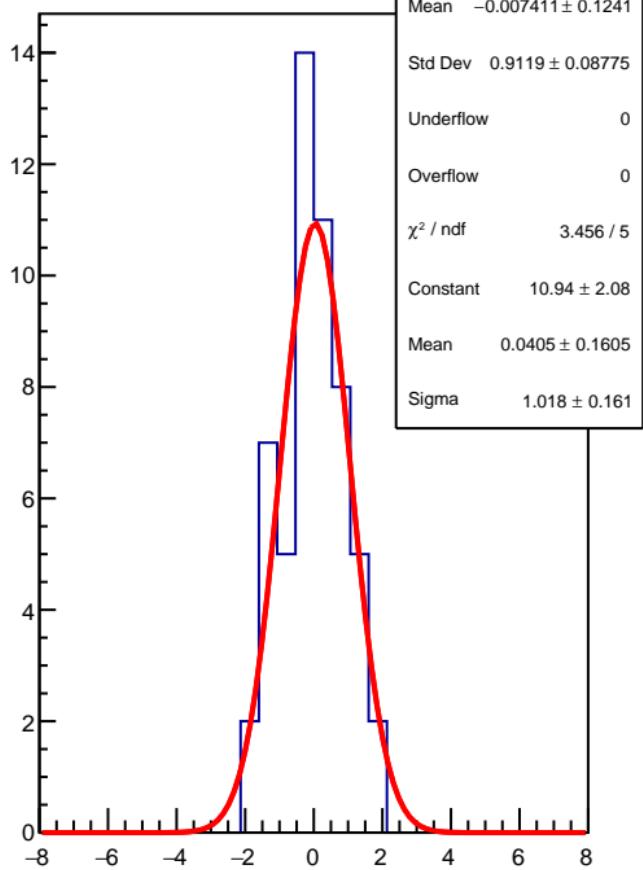


diff\_evMon9 (nm)

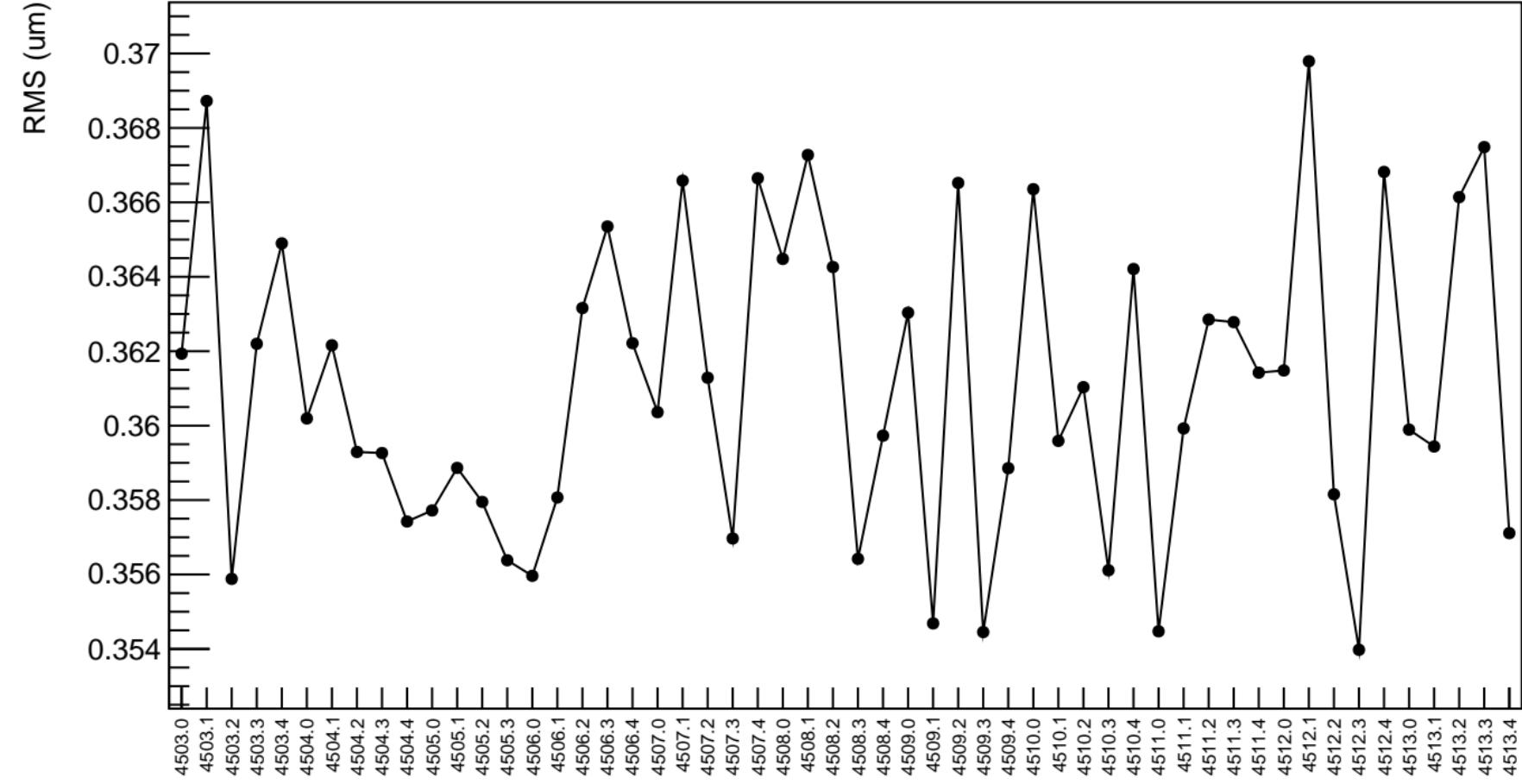
$\chi^2 / \text{ndf}$  44.91 / 53  
 $p_0$   $0.5295 \pm 0.5165$



1D pull distribution

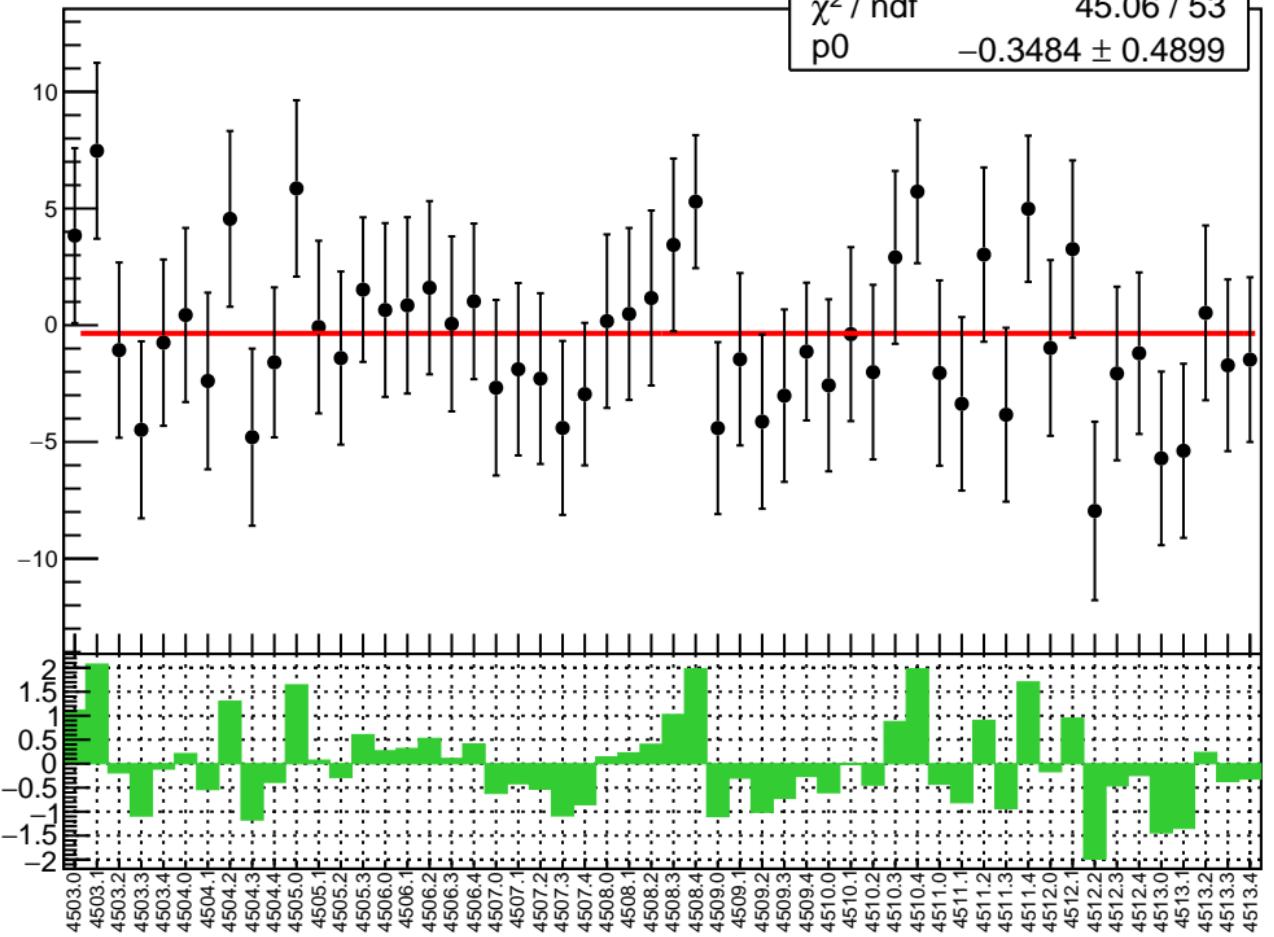


# diff\_evMon9 RMS (um)

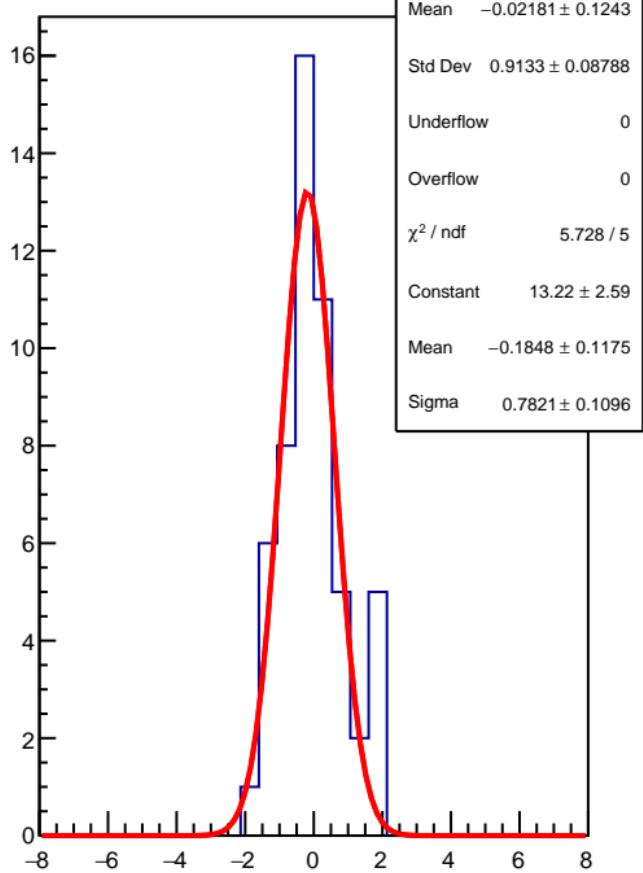


diff\_evMon10 (nm)

$\chi^2 / \text{ndf}$  45.06 / 53  
 $p_0$   $-0.3484 \pm 0.4899$

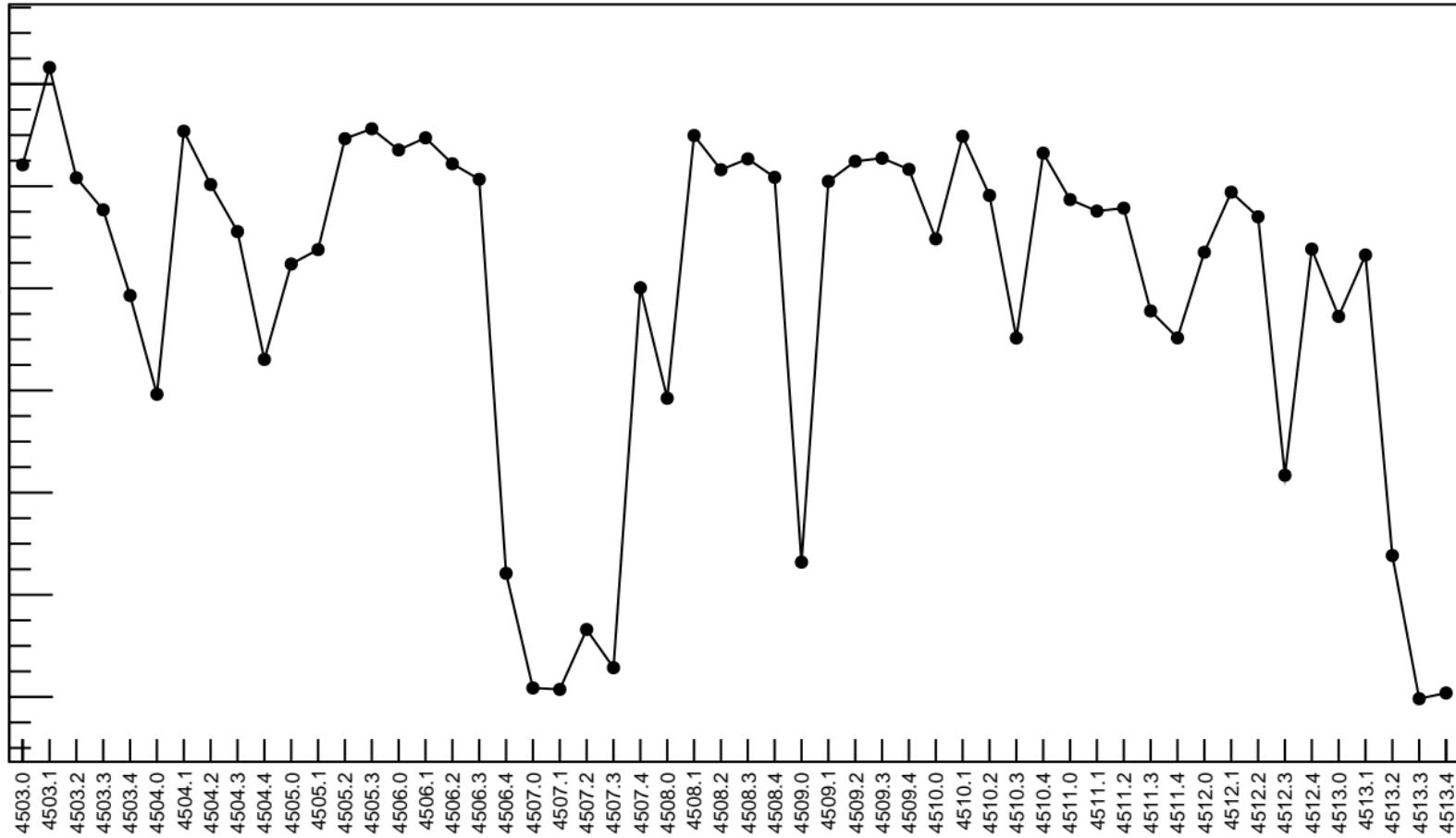


1D pull distribution

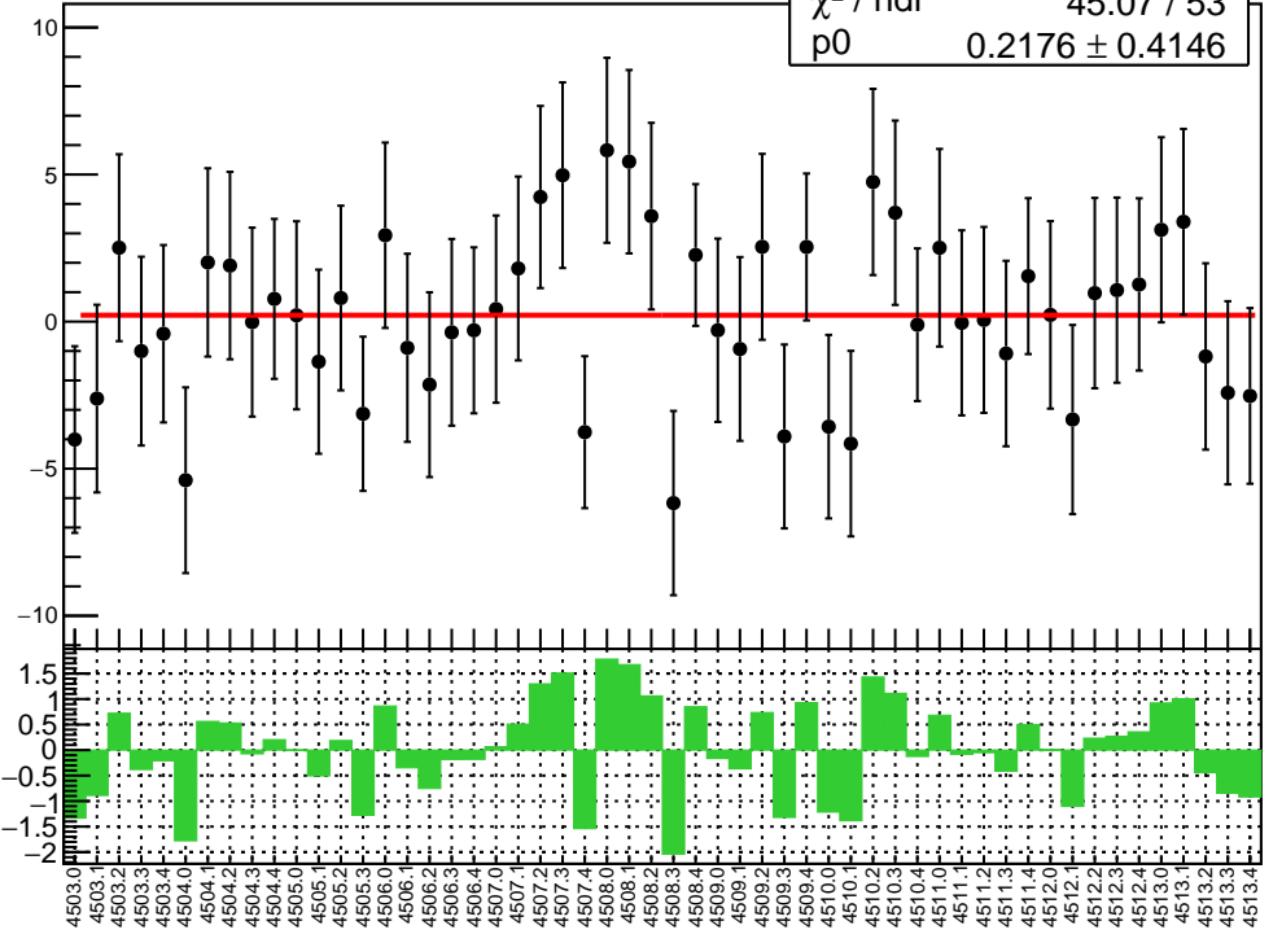


# diff\_evMon10 RMS (um)

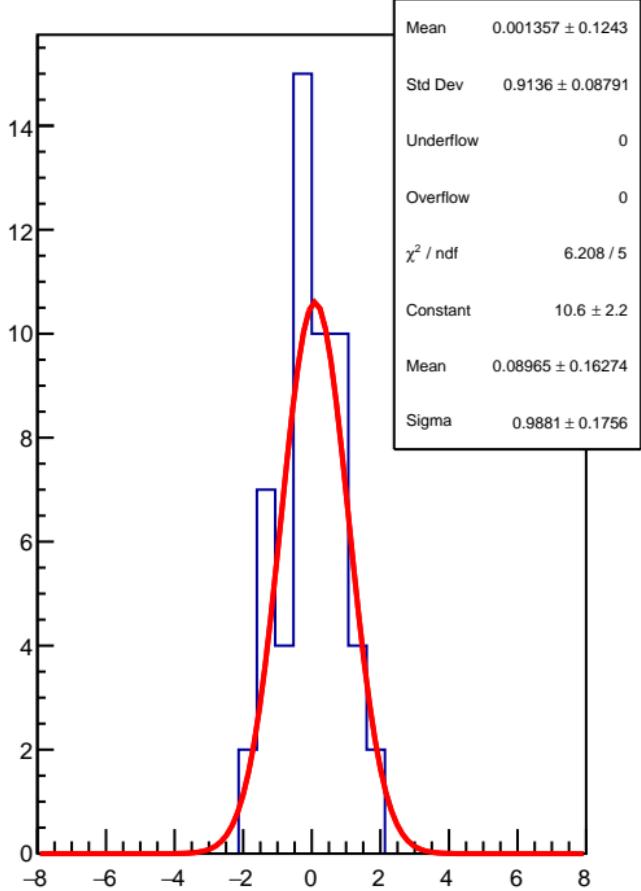
RMS (um)



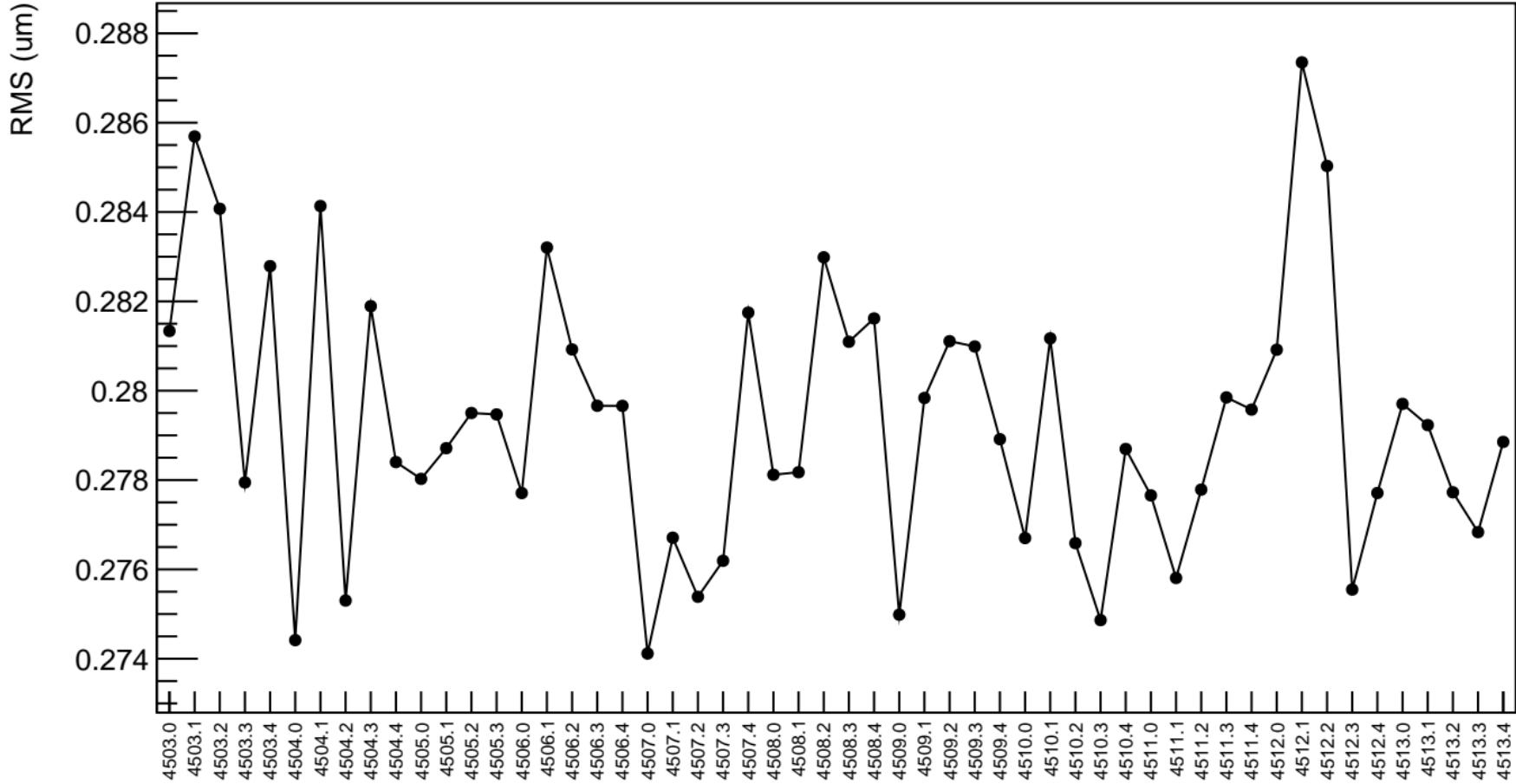
diff\_evMon11 (nm)

 $\chi^2 / \text{ndf}$   
 $45.07 / 53$   
 $p_0$   
 $0.2176 \pm 0.4146$ 


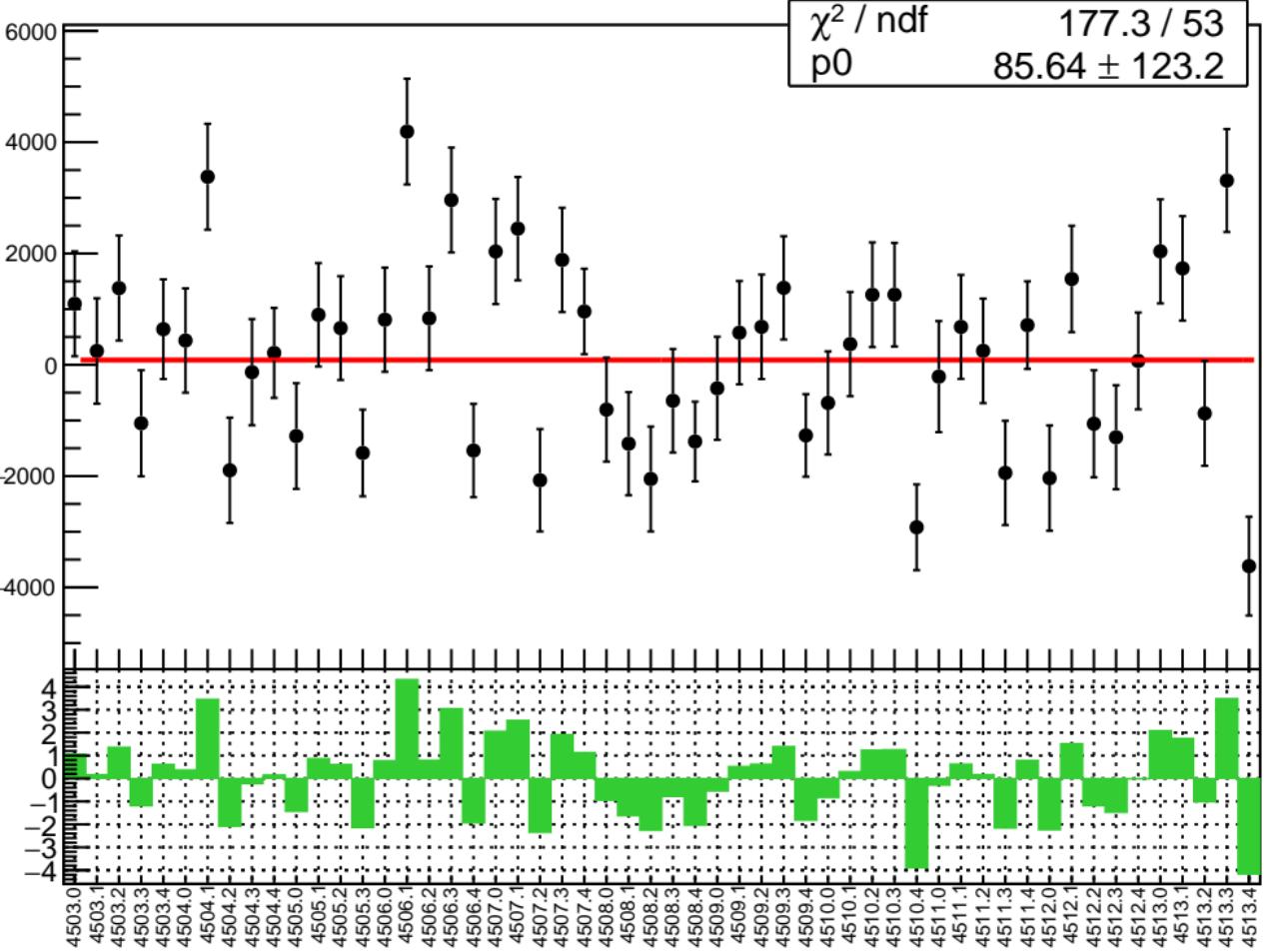
1D pull distribution



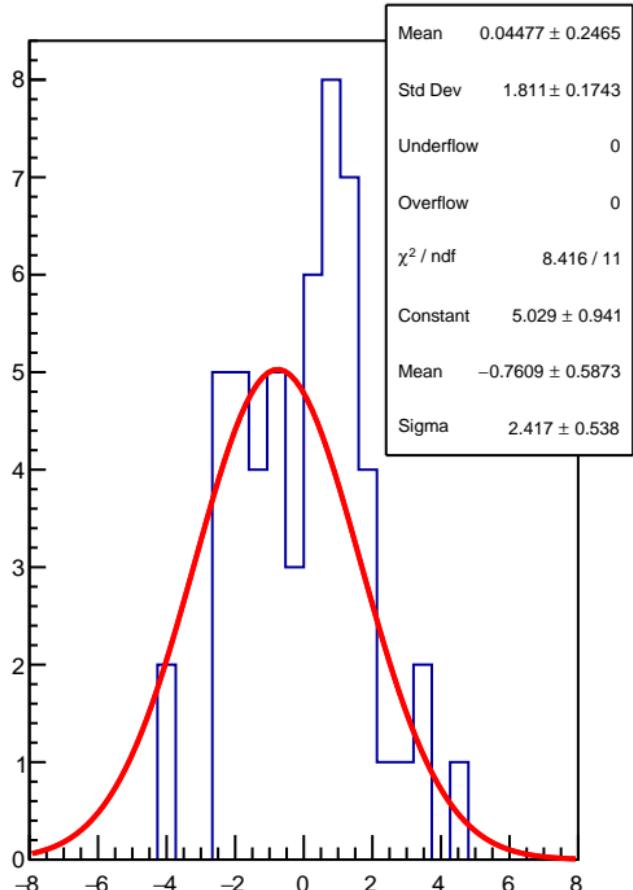
# diff\_evMon11 RMS (um)



corr\_us\_avg\_evMon0 (ppb)

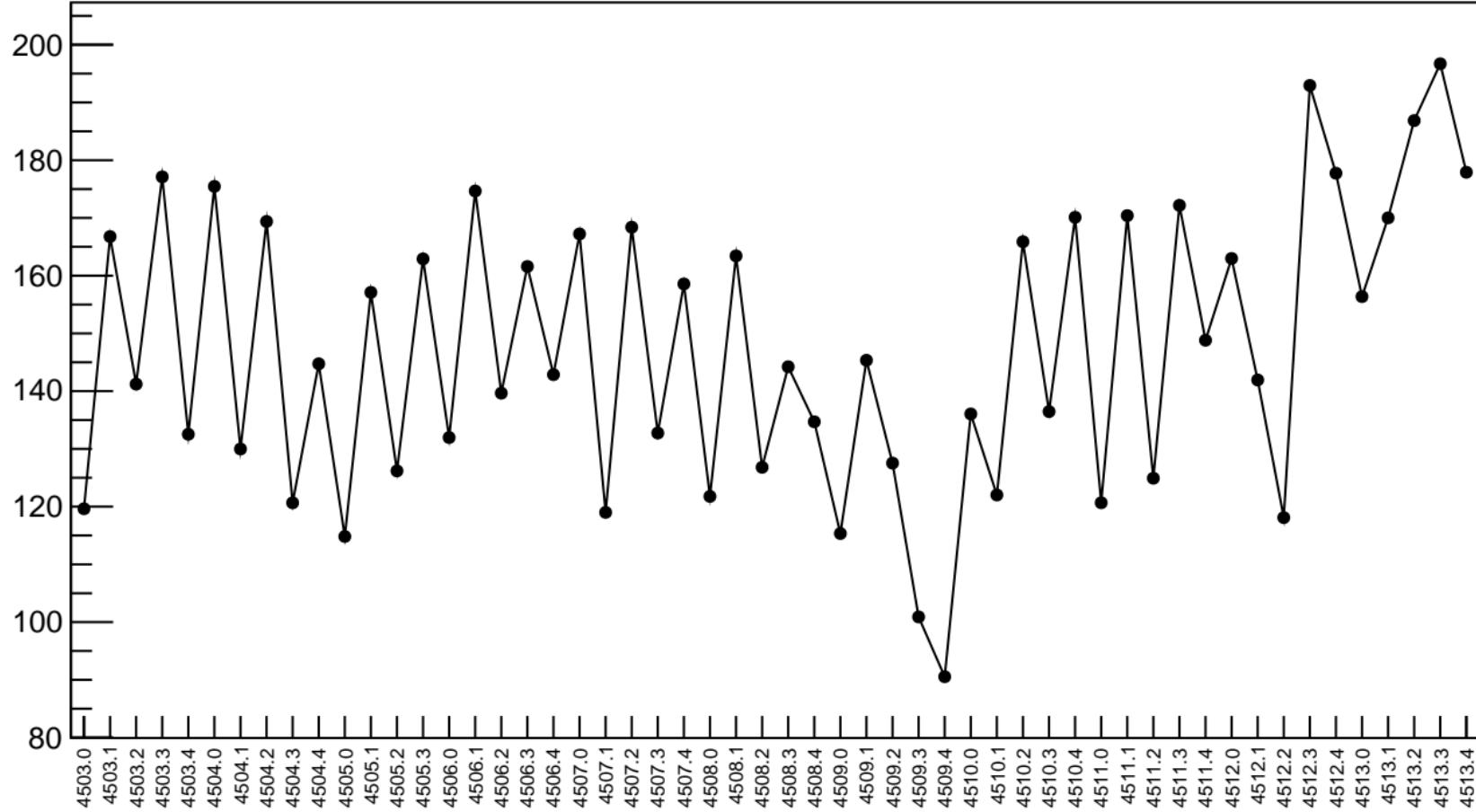


1D pull distribution

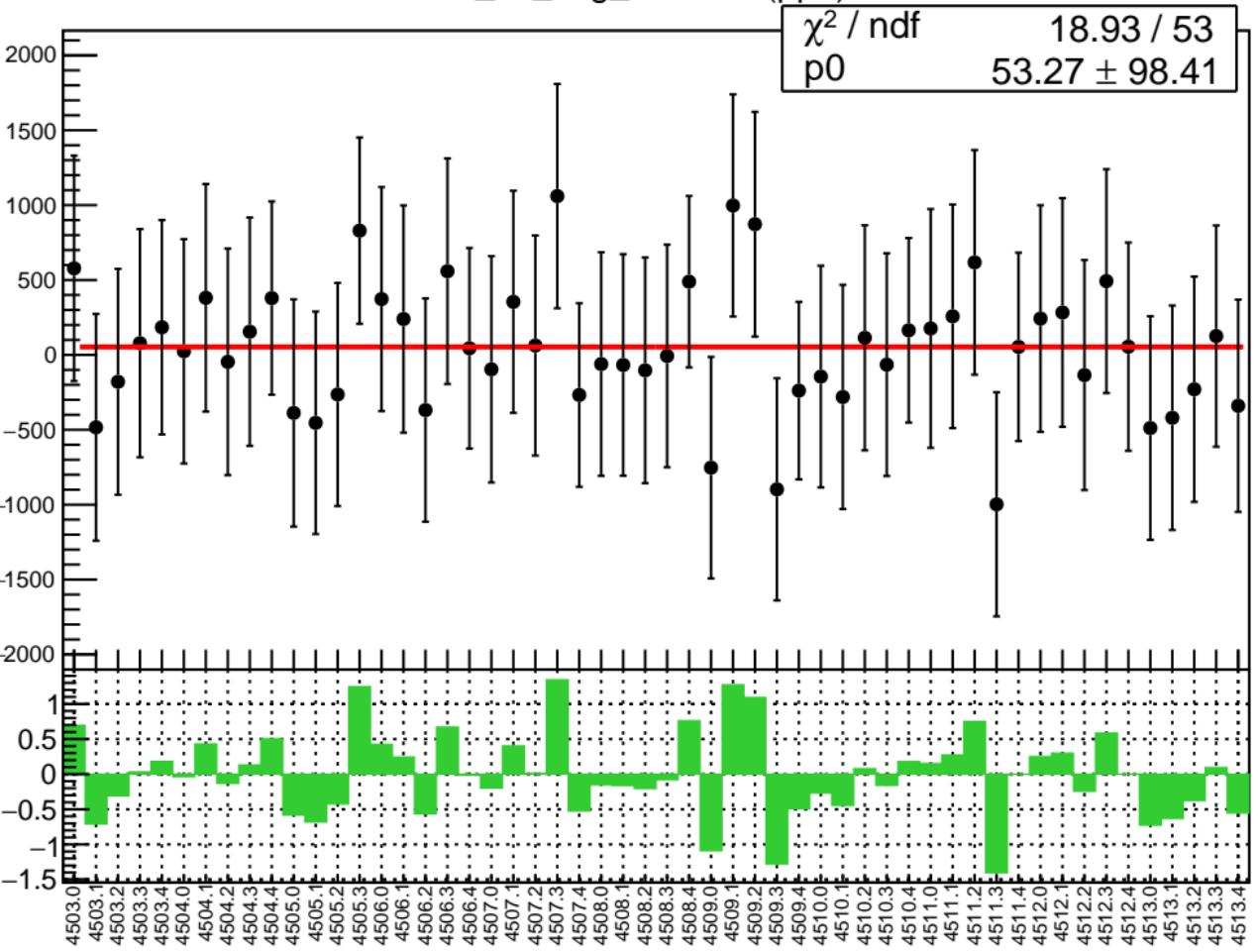


# corr\_us\_avg\_evMon0 RMS (ppm)

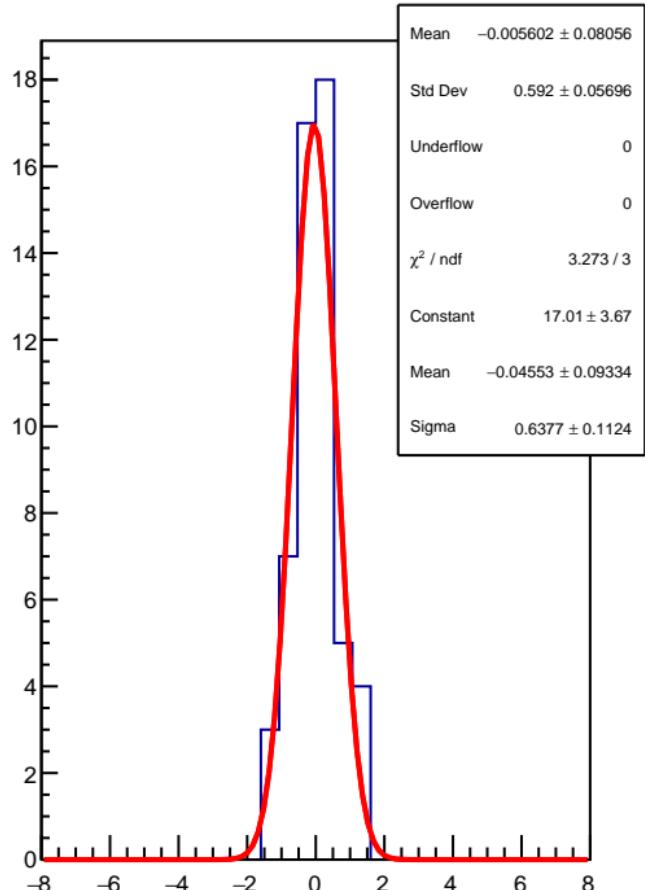
RMS (ppm)



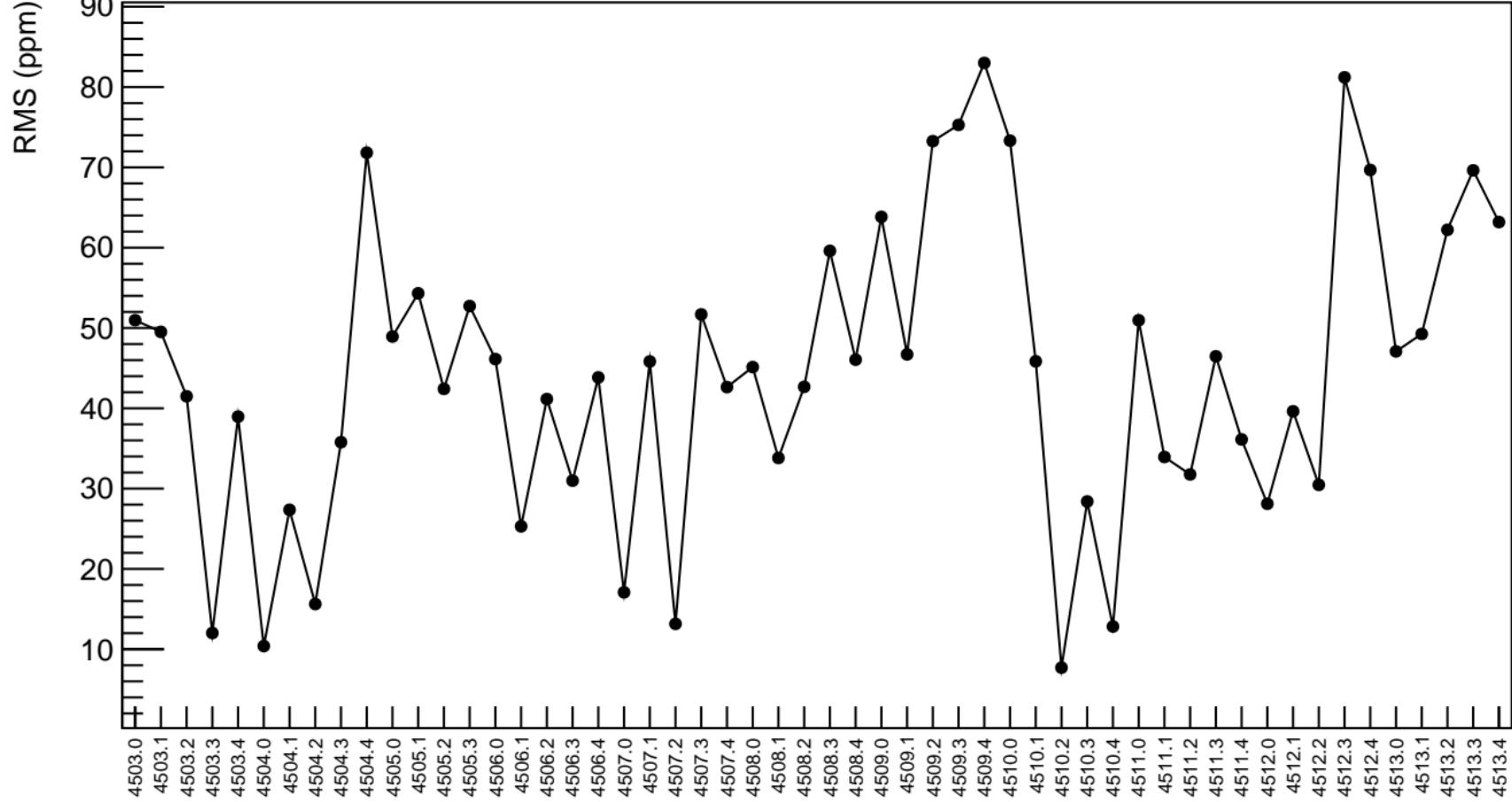
corr\_us\_avg\_evMon1 (ppb)



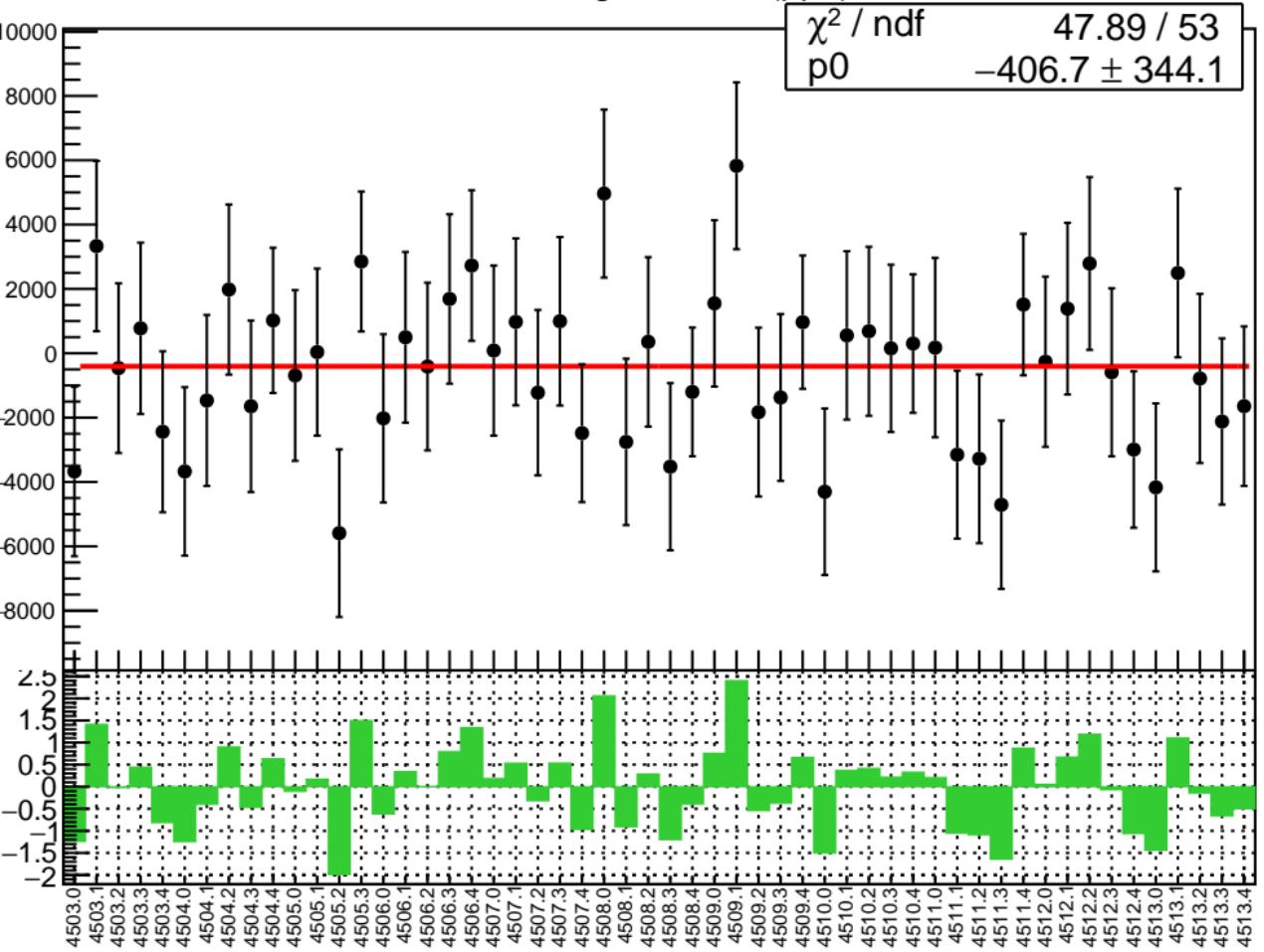
1D pull distribution



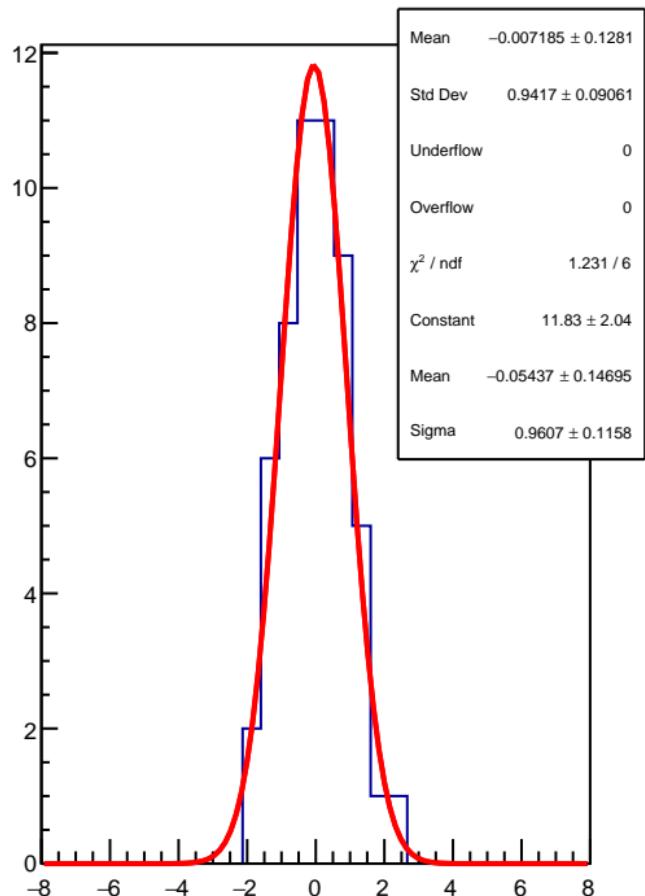
# corr\_us\_avg\_evMon1 RMS (ppm)



corr\_us\_avg\_evMon2 (ppb)

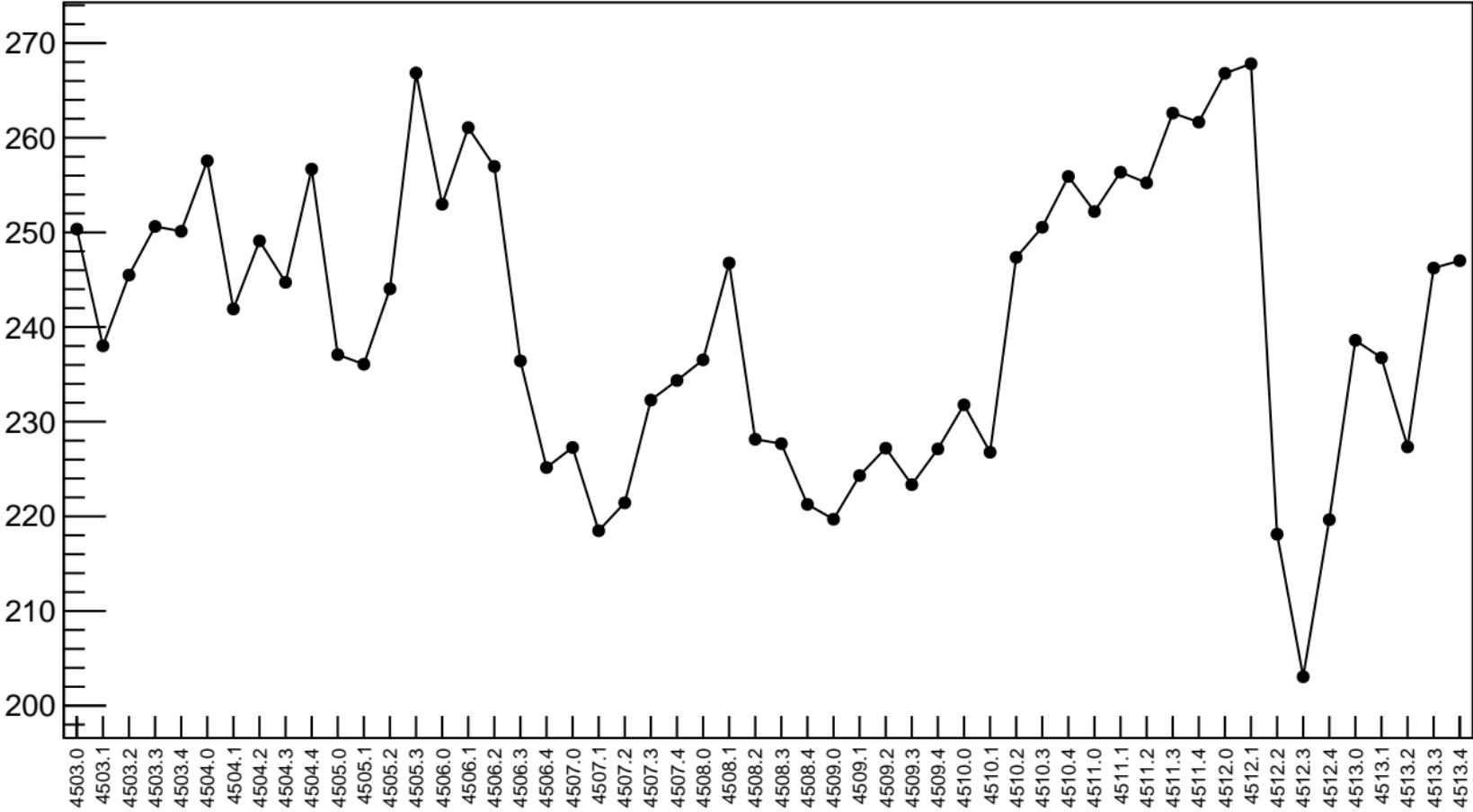


1D pull distribution

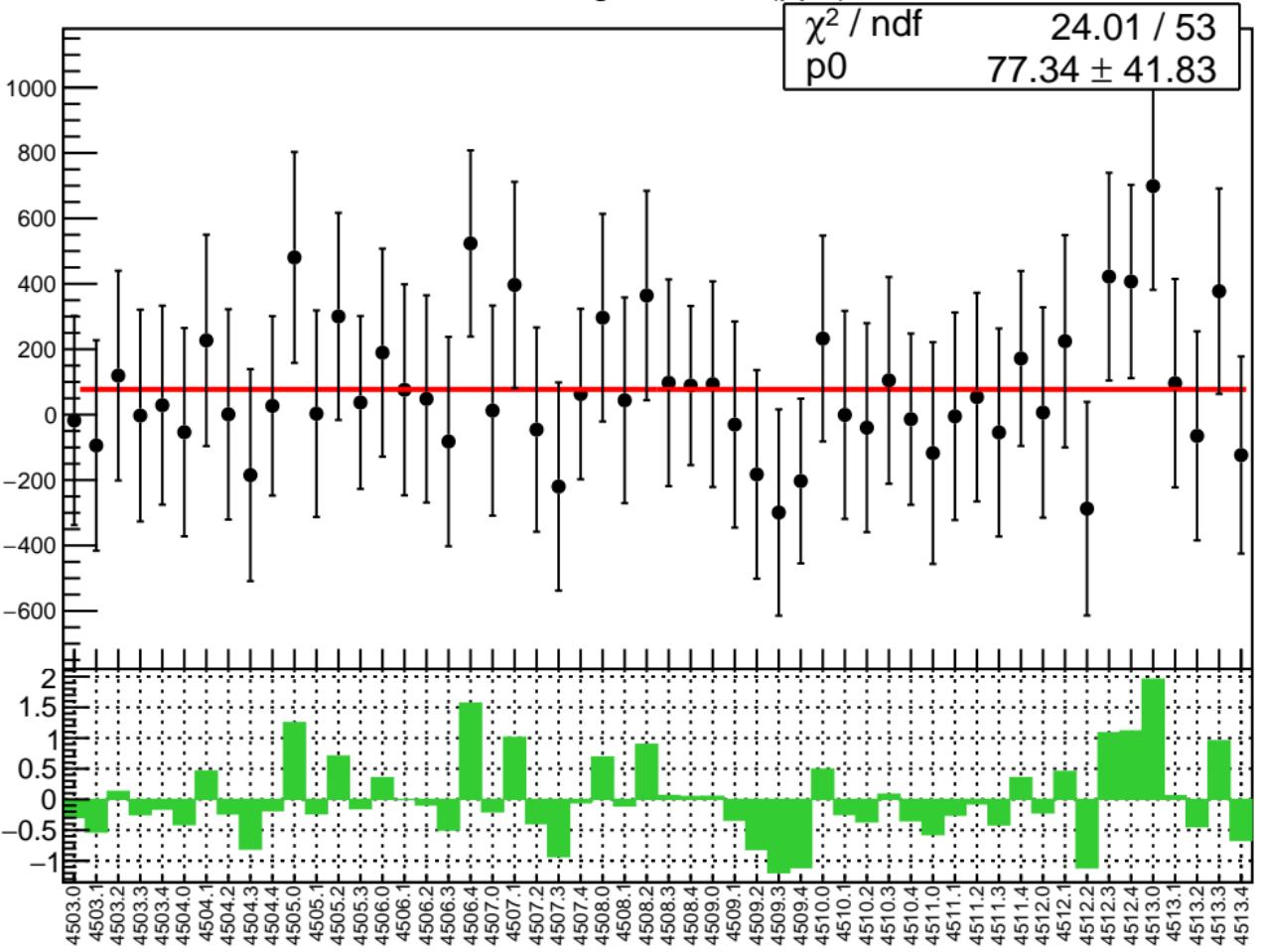


# corr\_us\_avg\_evMon2 RMS (ppm)

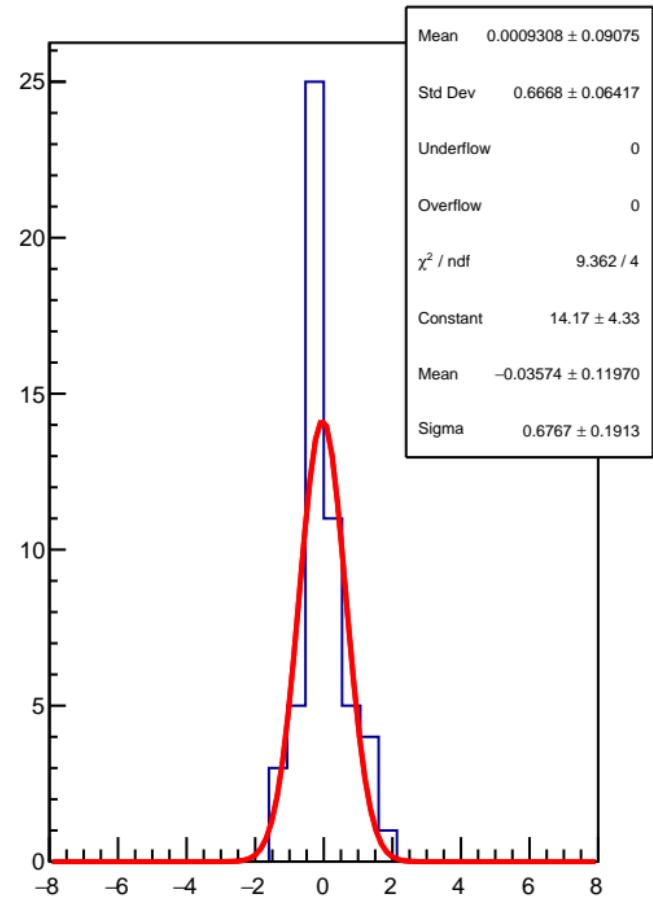
RMS (ppm)



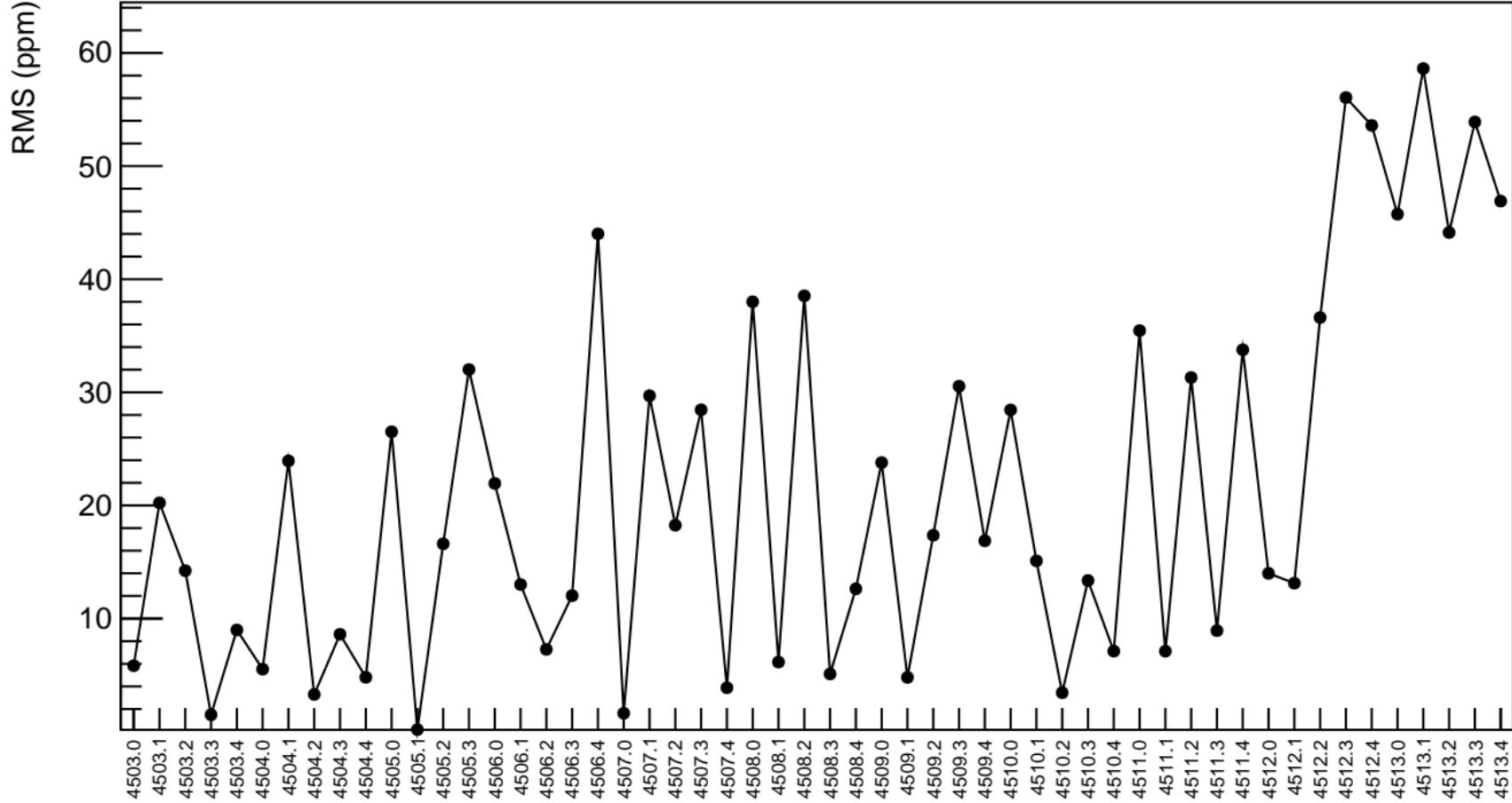
corr\_us\_avg\_evMon3 (ppb)



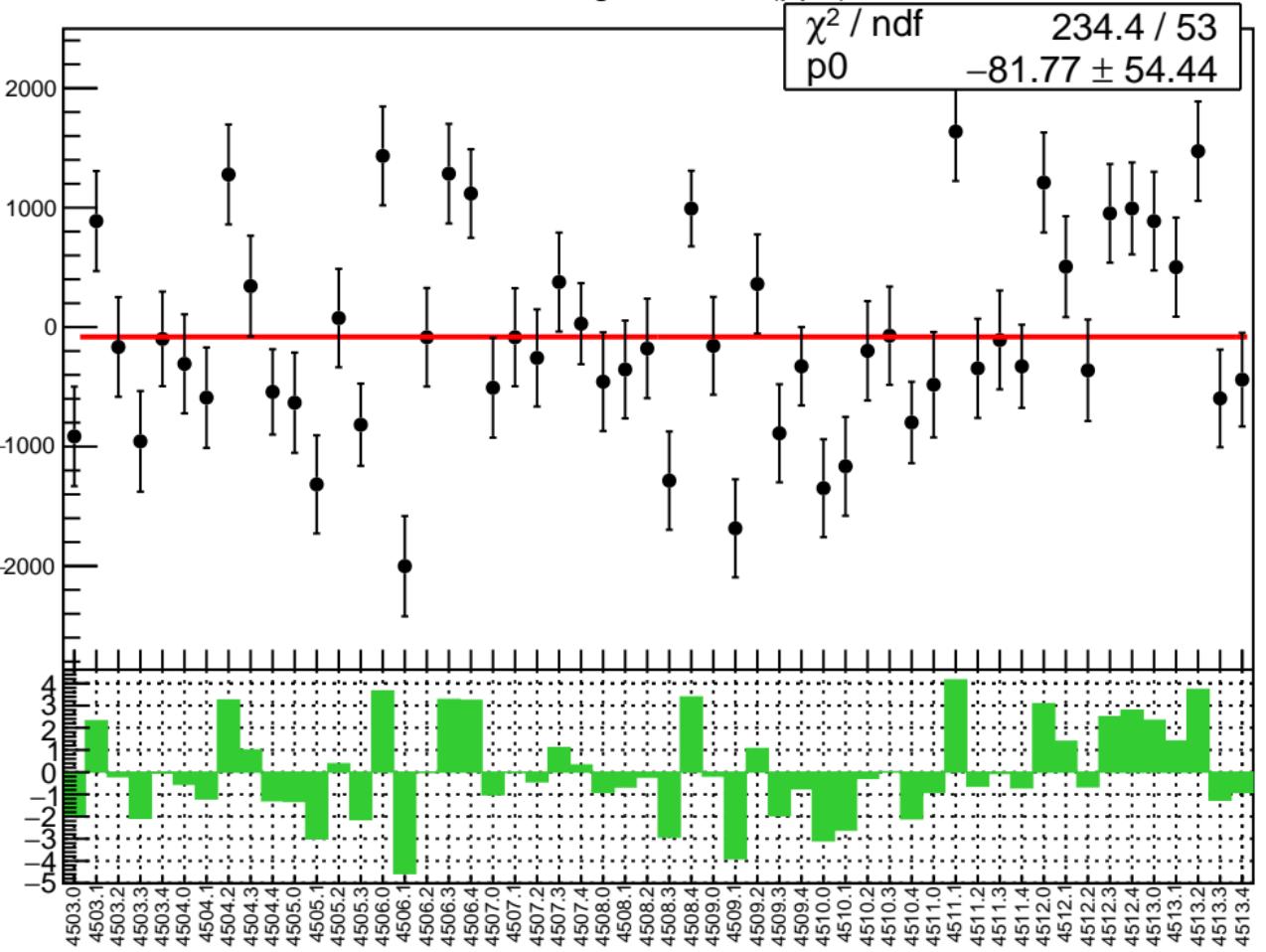
1D pull distribution



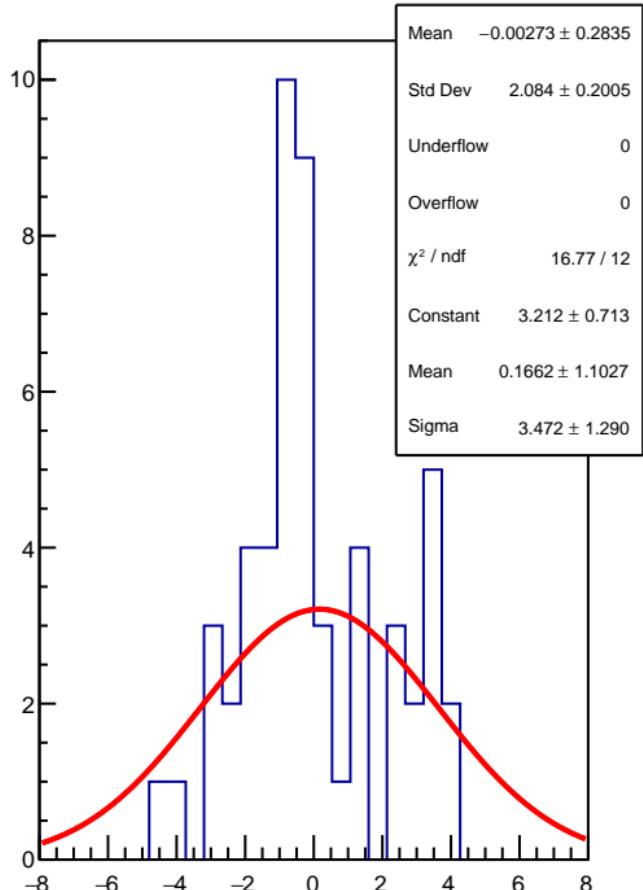
# corr\_us\_avg\_evMon3 RMS (ppm)



corr\_us\_avg\_evMon4 (ppb)

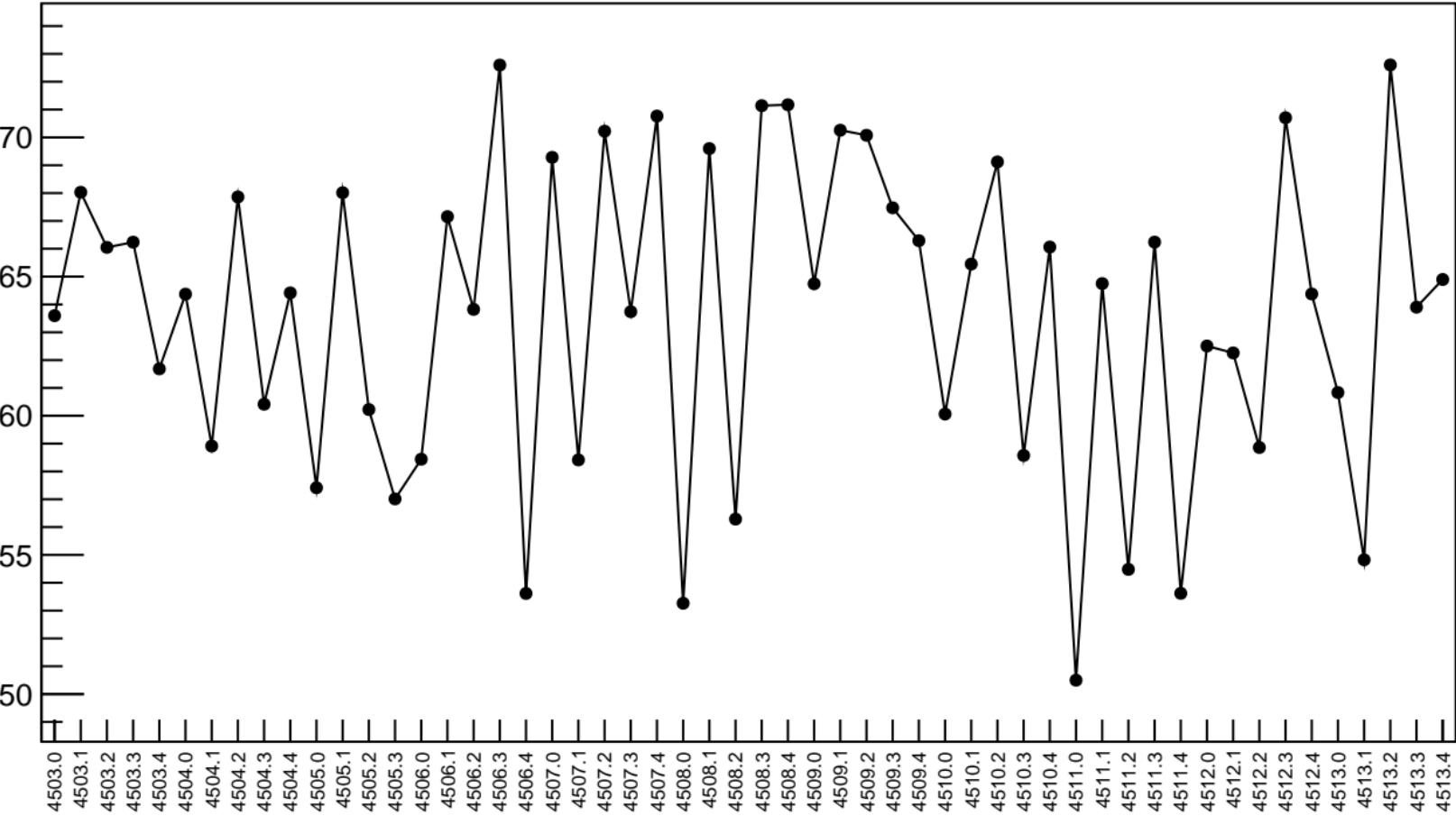


1D pull distribution



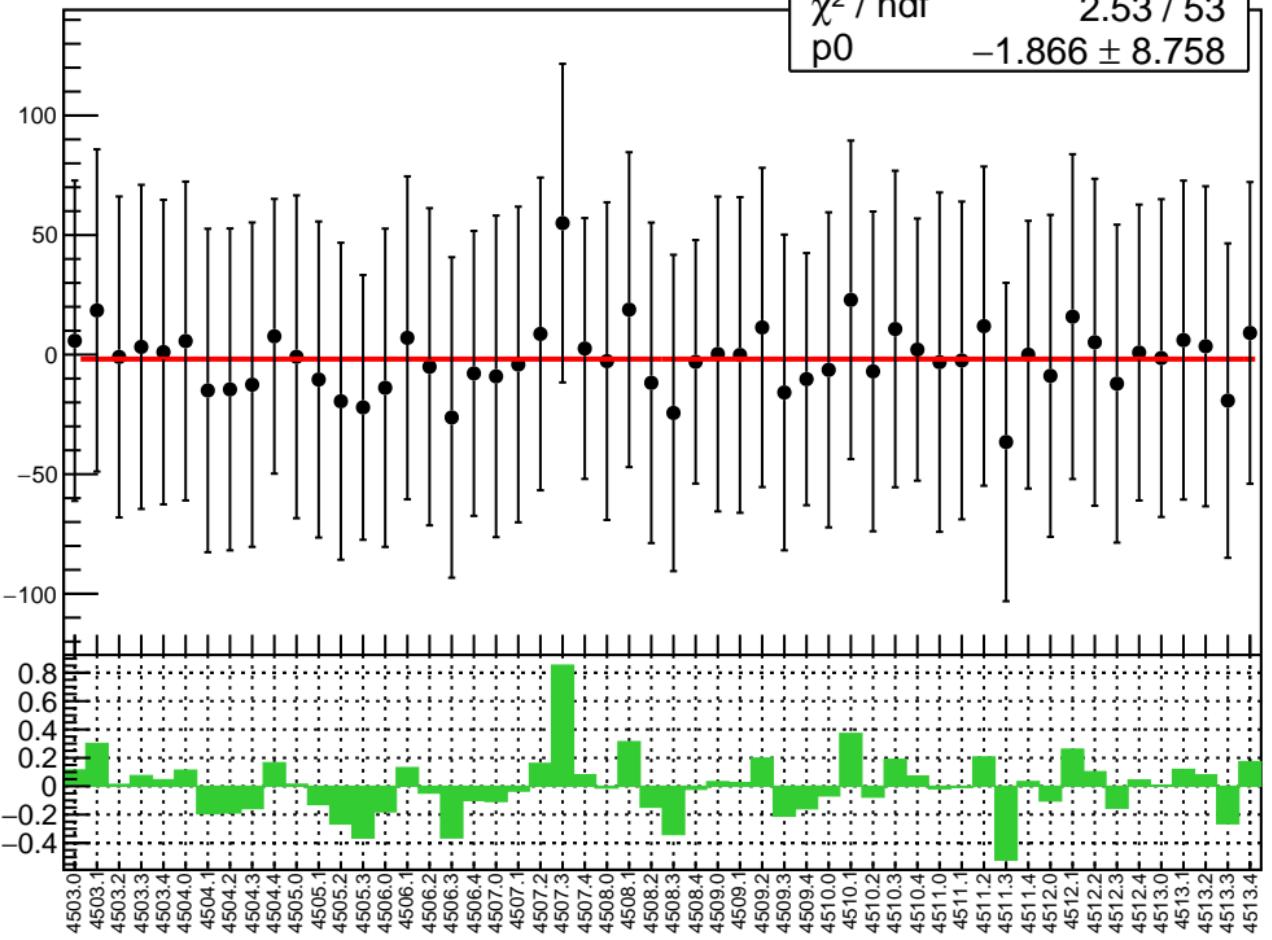
# corr\_us\_avg\_evMon4 RMS (ppm)

RMS (ppm)

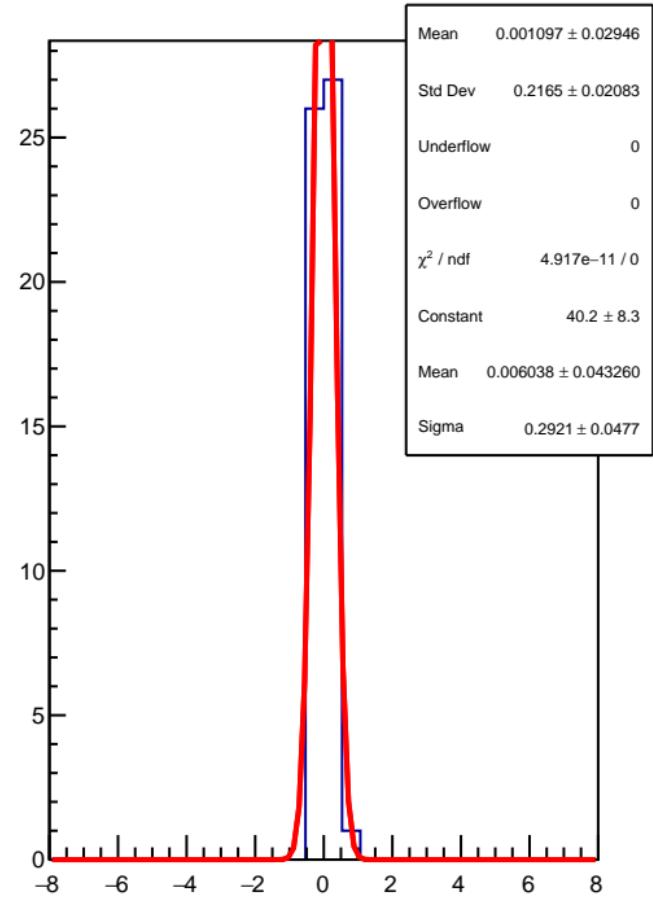


corr\_us\_avg\_evMon5 (ppb)

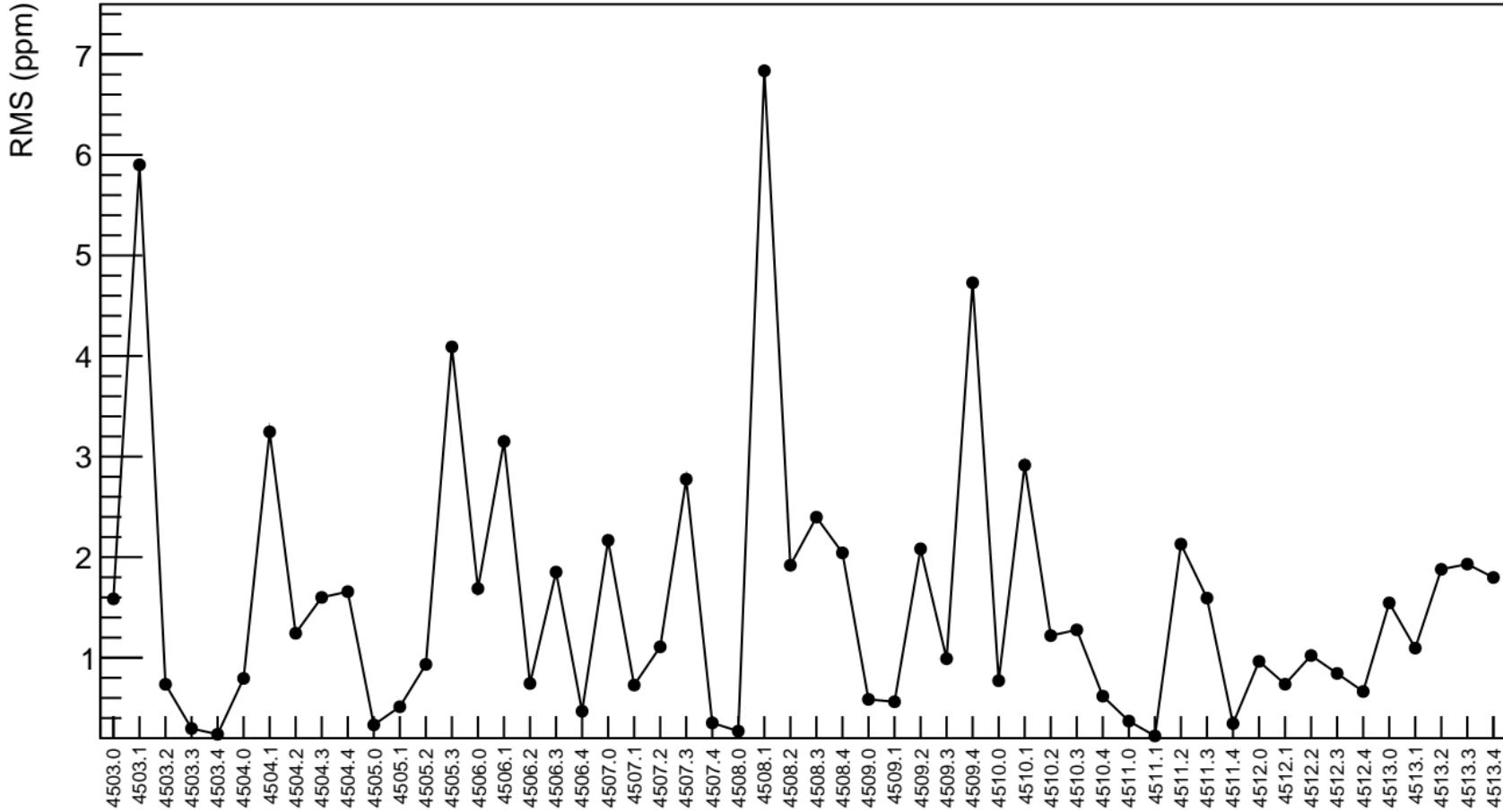
$\chi^2 / \text{ndf}$  2.53 / 53  
 $p_0$   $-1.866 \pm 8.758$



1D pull distribution

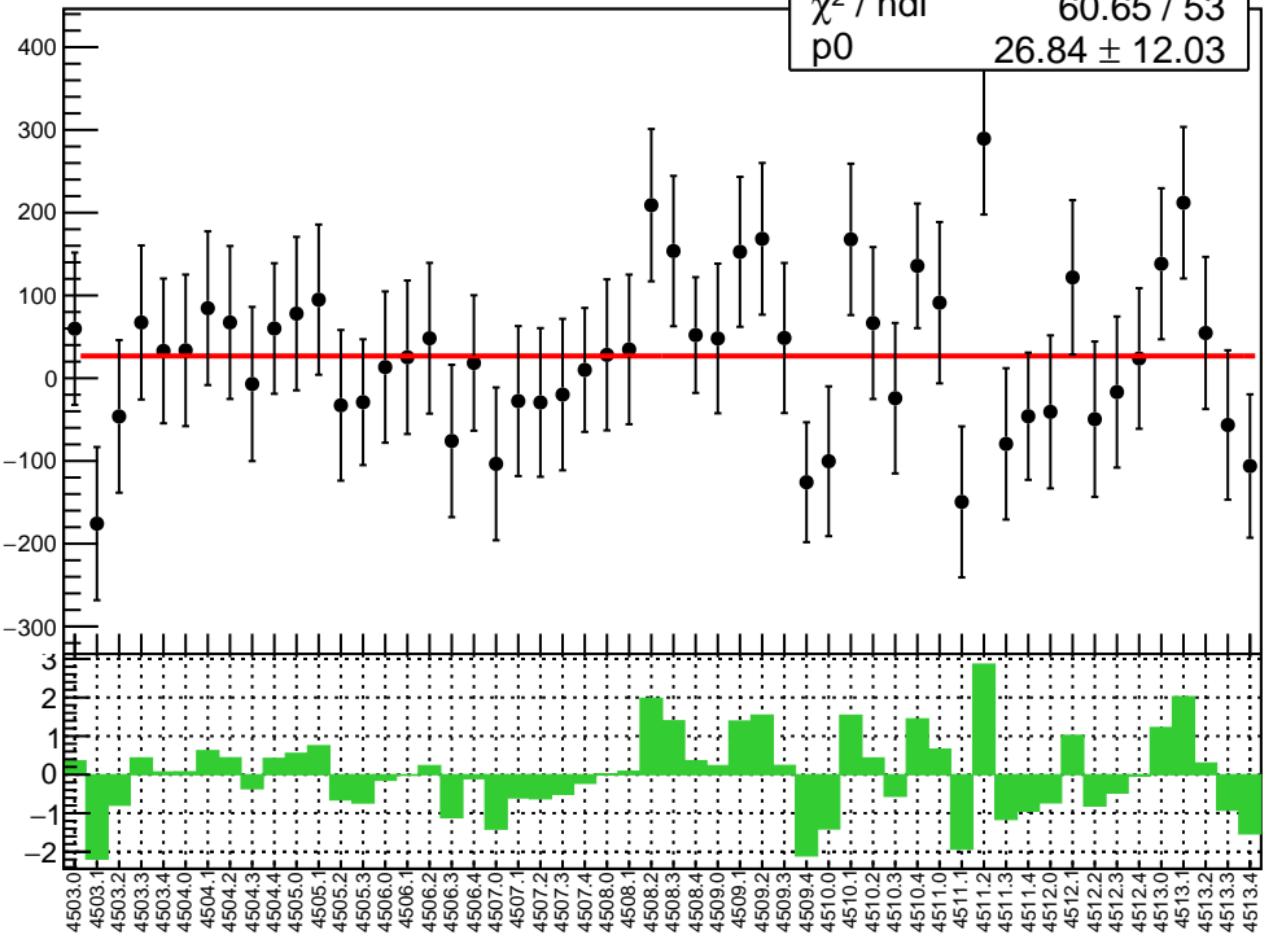


# corr\_us\_avg\_evMon5 RMS (ppm)

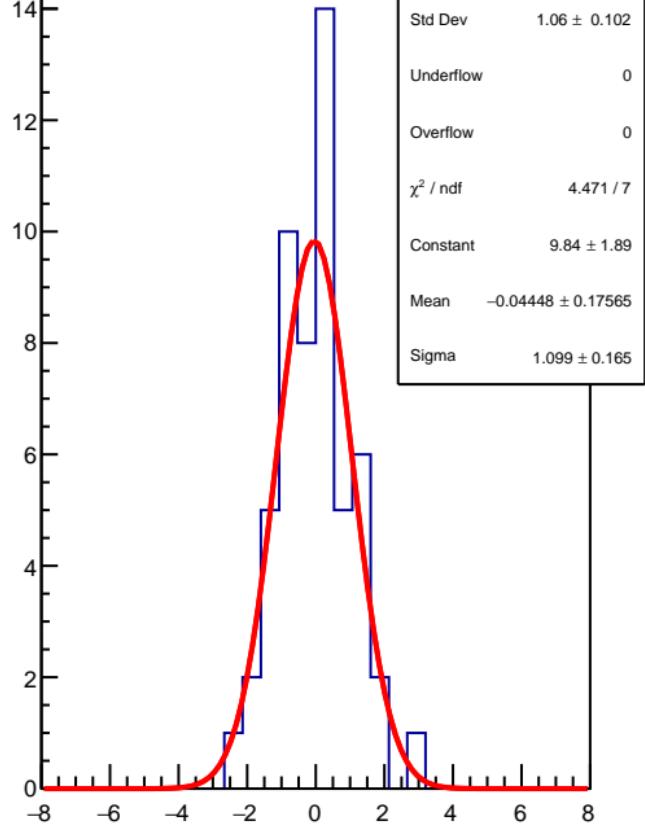


corr\_us\_avg\_evMon6 (ppb)

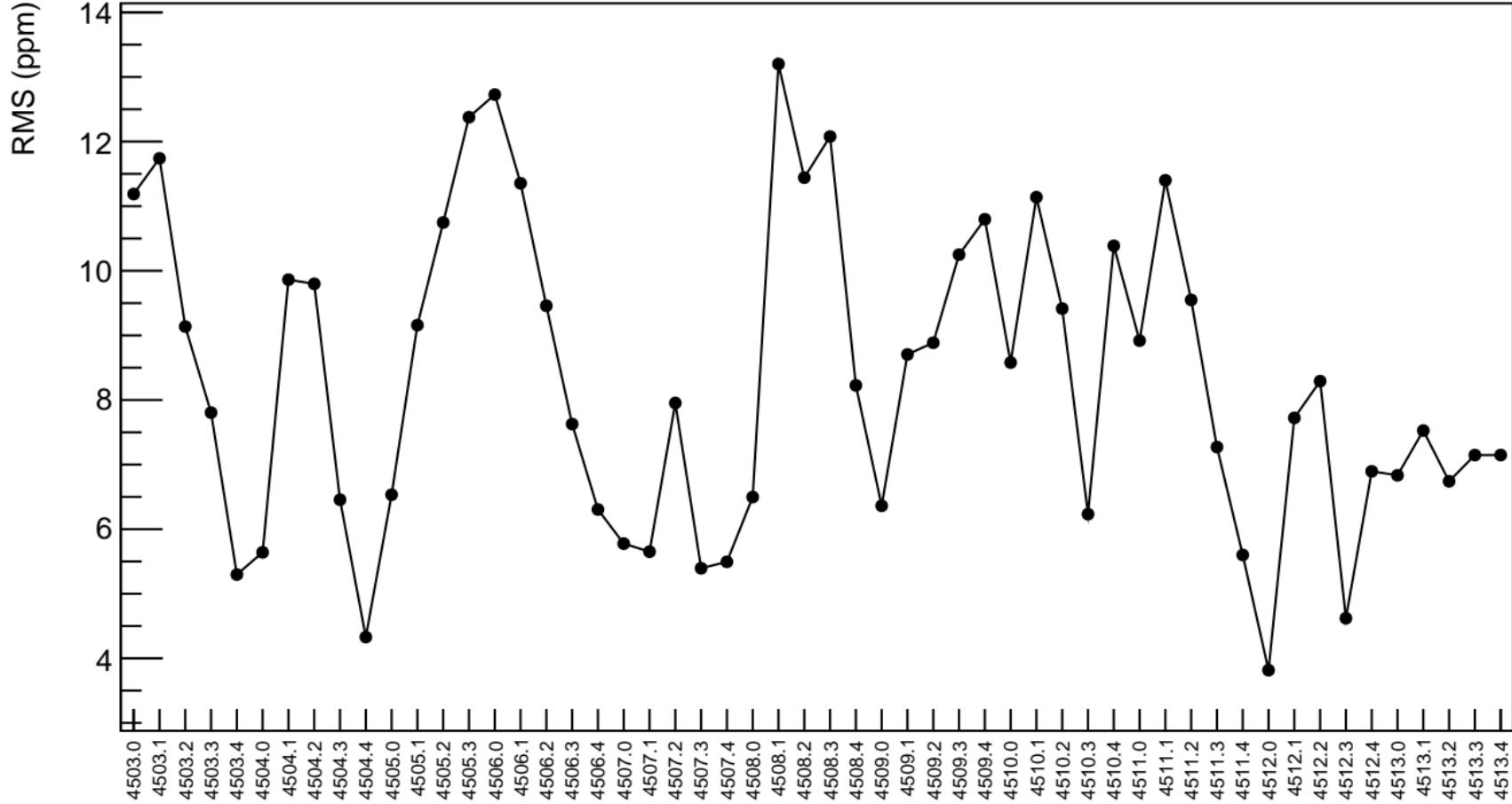
$\chi^2 / \text{ndf}$  60.65 / 53  
p0  $26.84 \pm 12.03$



1D pull distribution

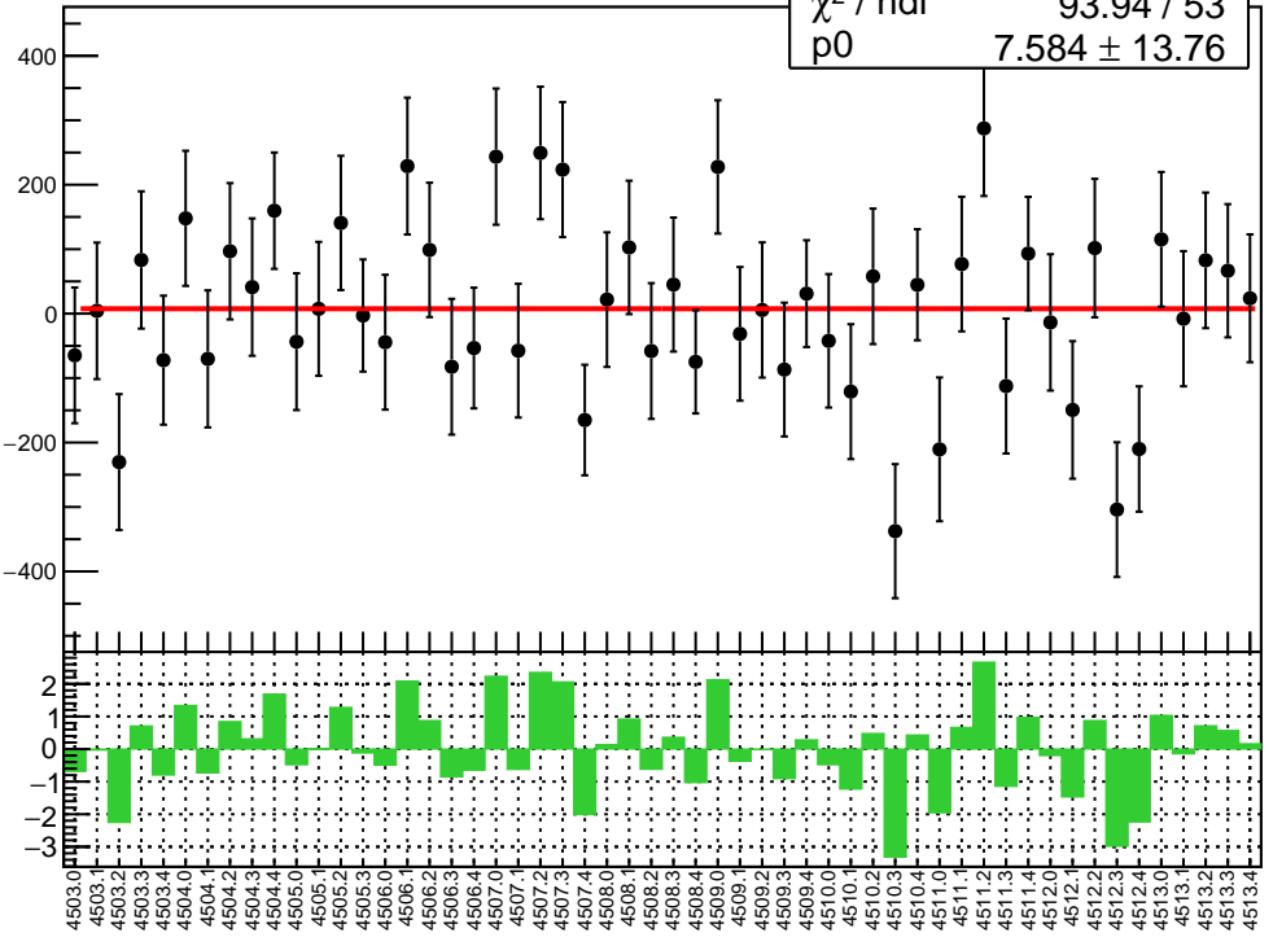


# corr\_us\_avg\_evMon6 RMS (ppm)

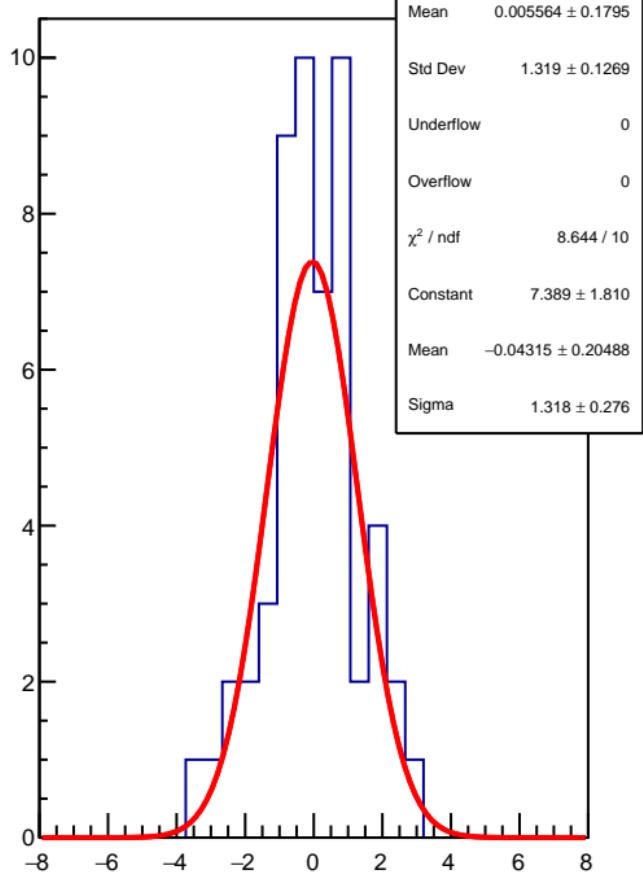


corr\_us\_avg\_evMon7 (ppb)

$\chi^2 / \text{ndf}$  93.94 / 53  
p0  $7.584 \pm 13.76$

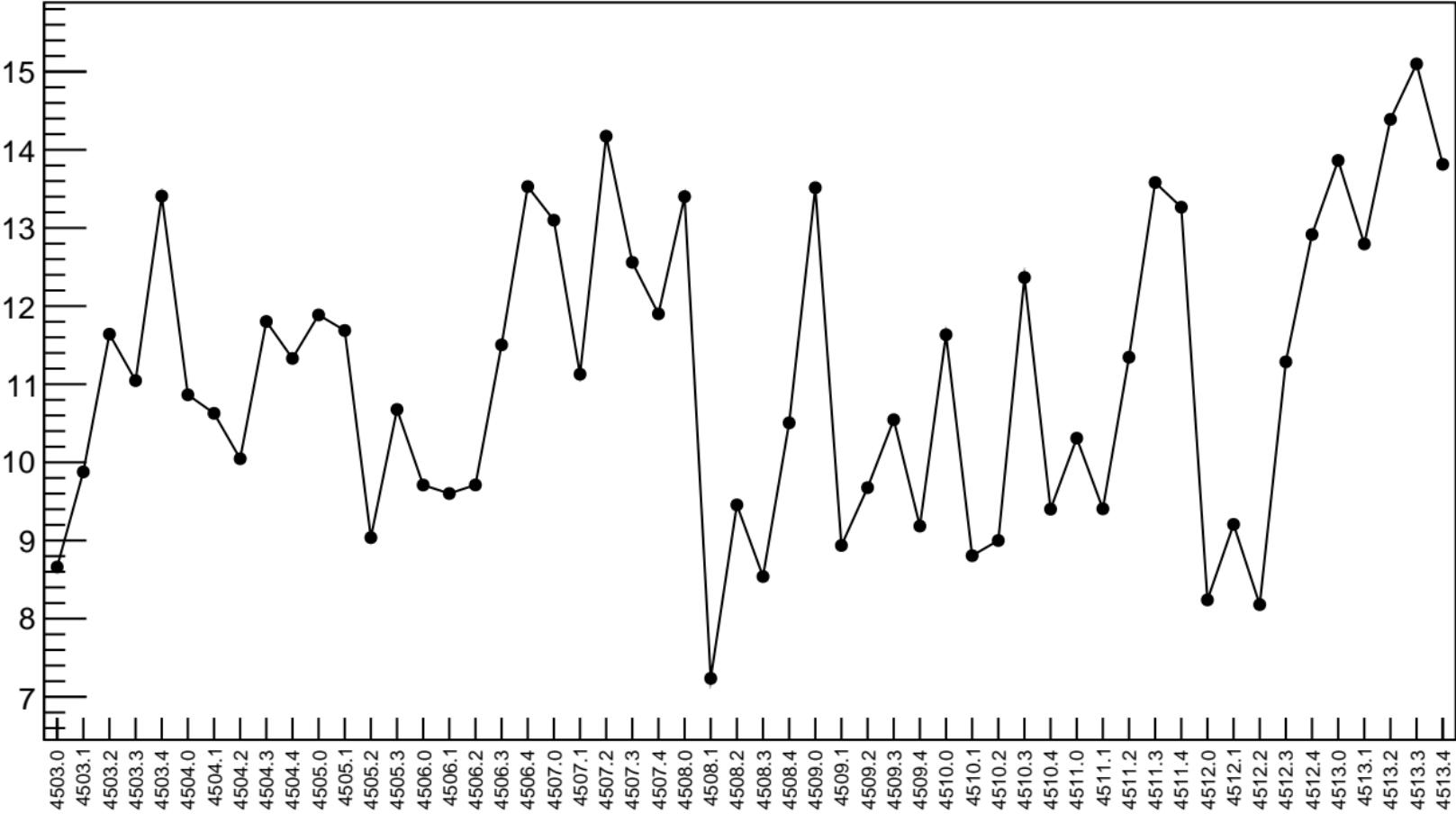


1D pull distribution

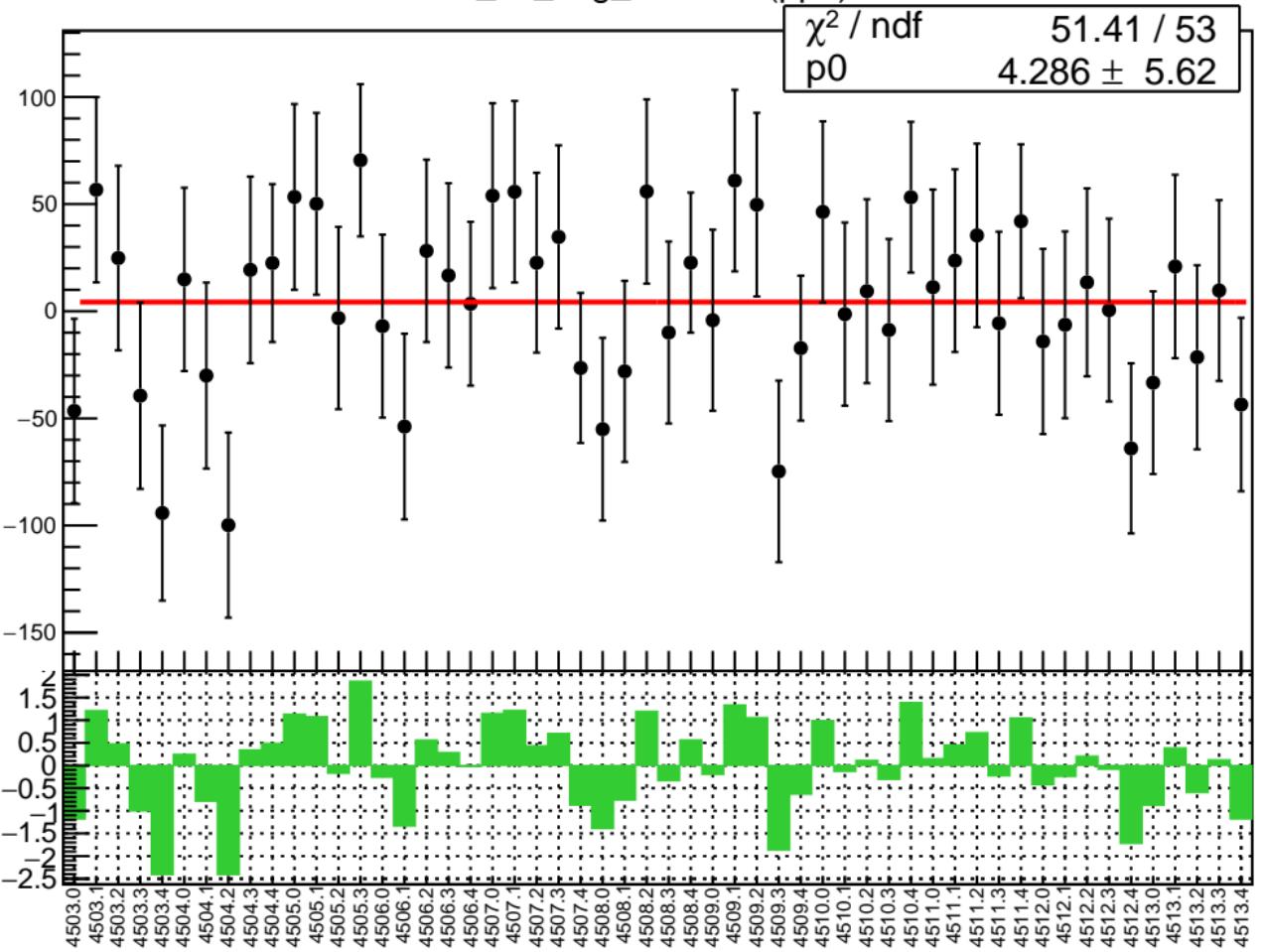


# corr\_us\_avg\_evMon7 RMS (ppm)

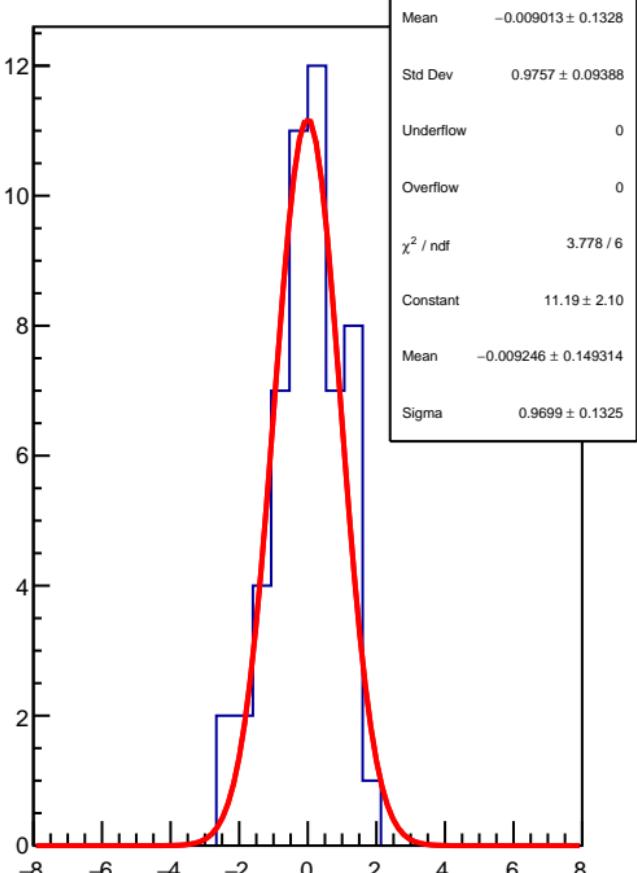
RMS (ppm)



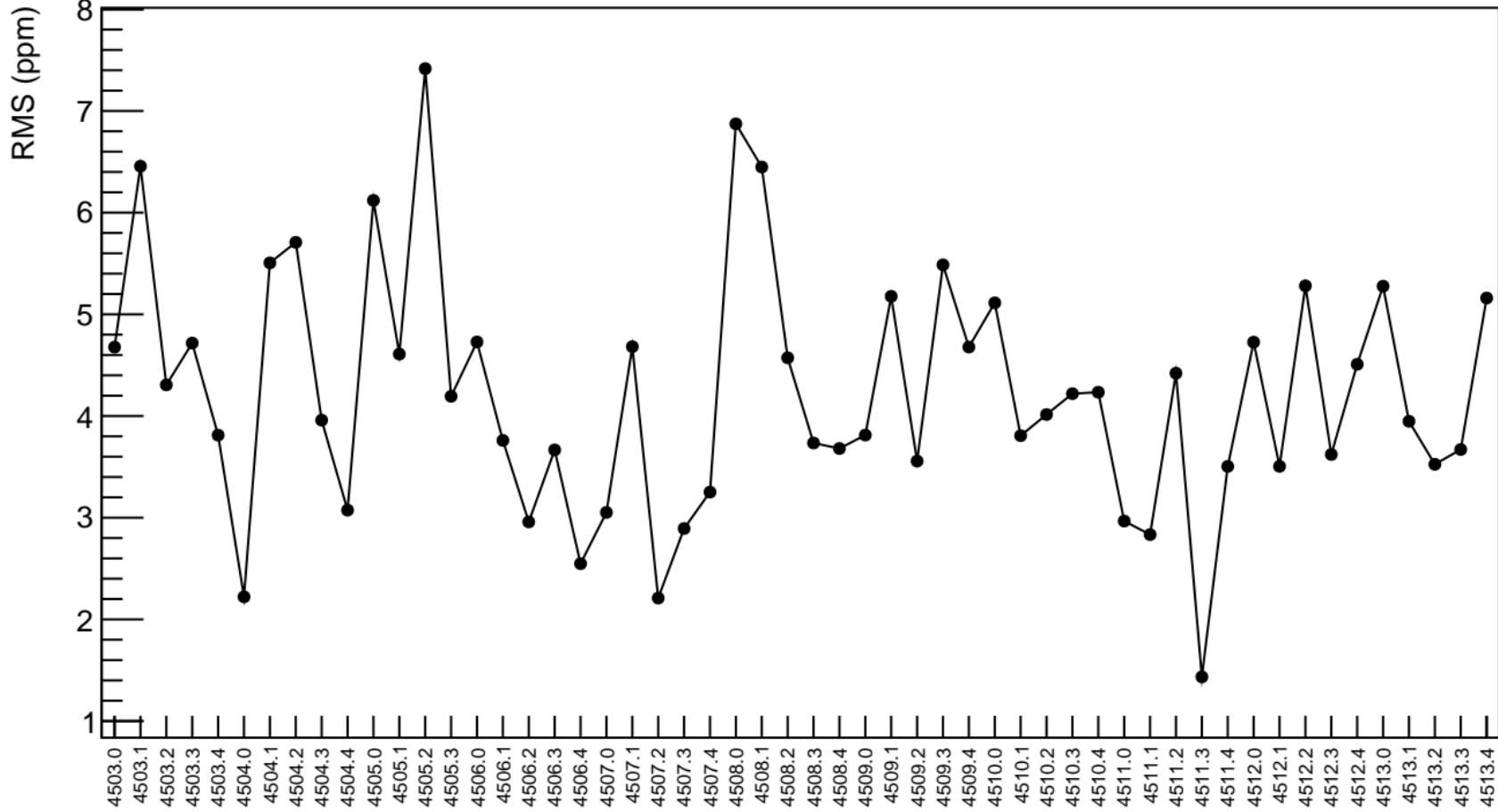
corr\_us\_avg\_evMon8 (ppb)



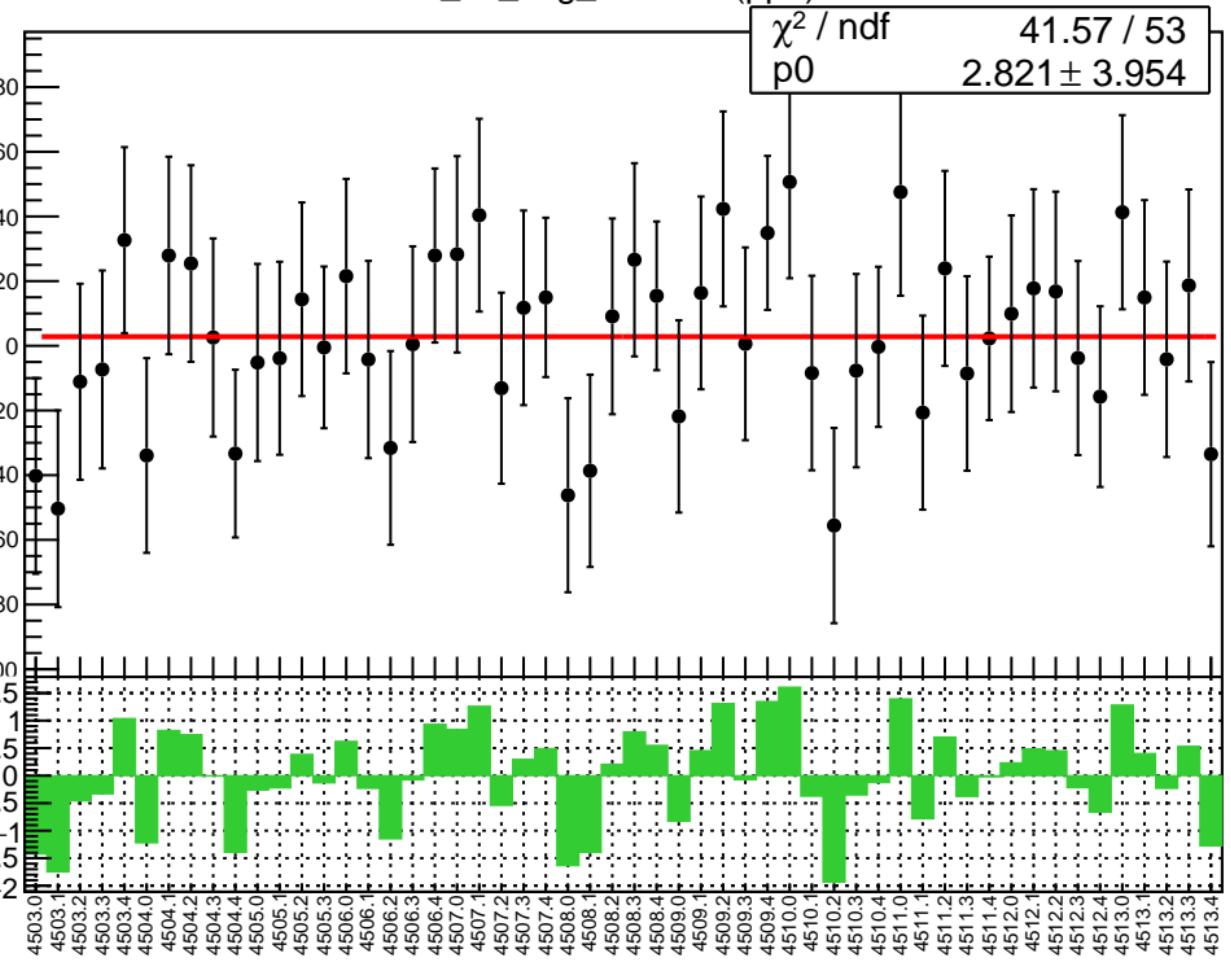
1D pull distribution



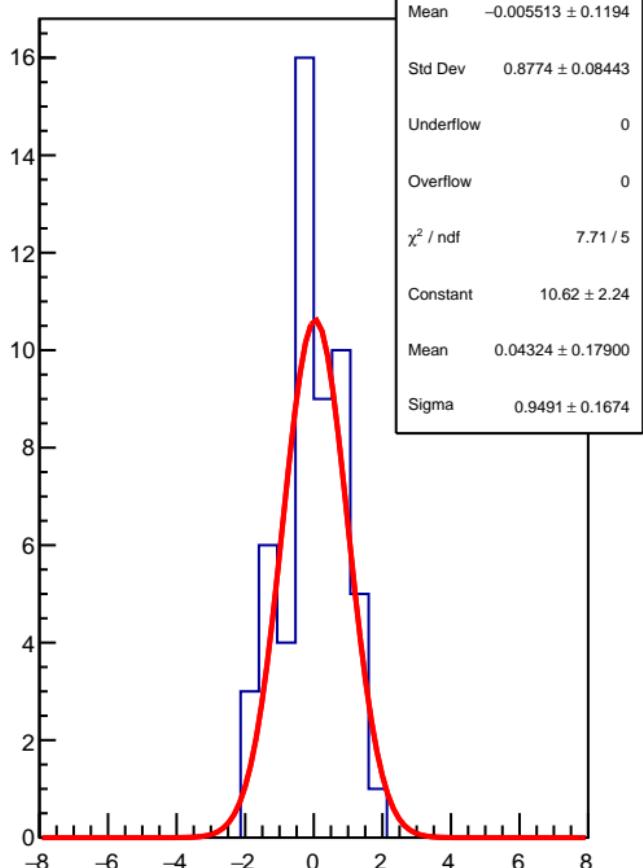
# corr\_us\_avg\_evMon8 RMS (ppm)



corr\_us\_avg\_evMon9 (ppb)

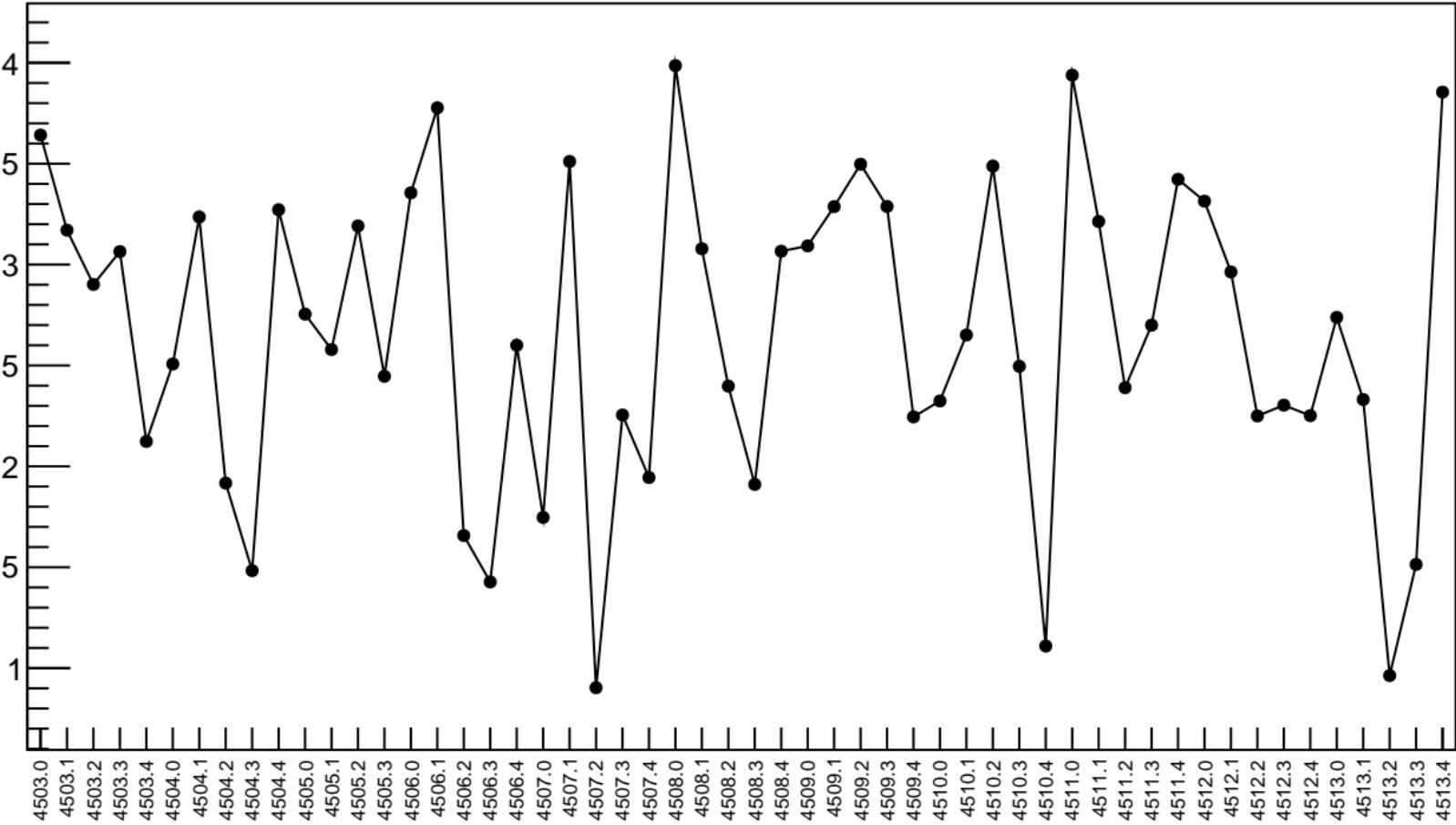


1D pull distribution



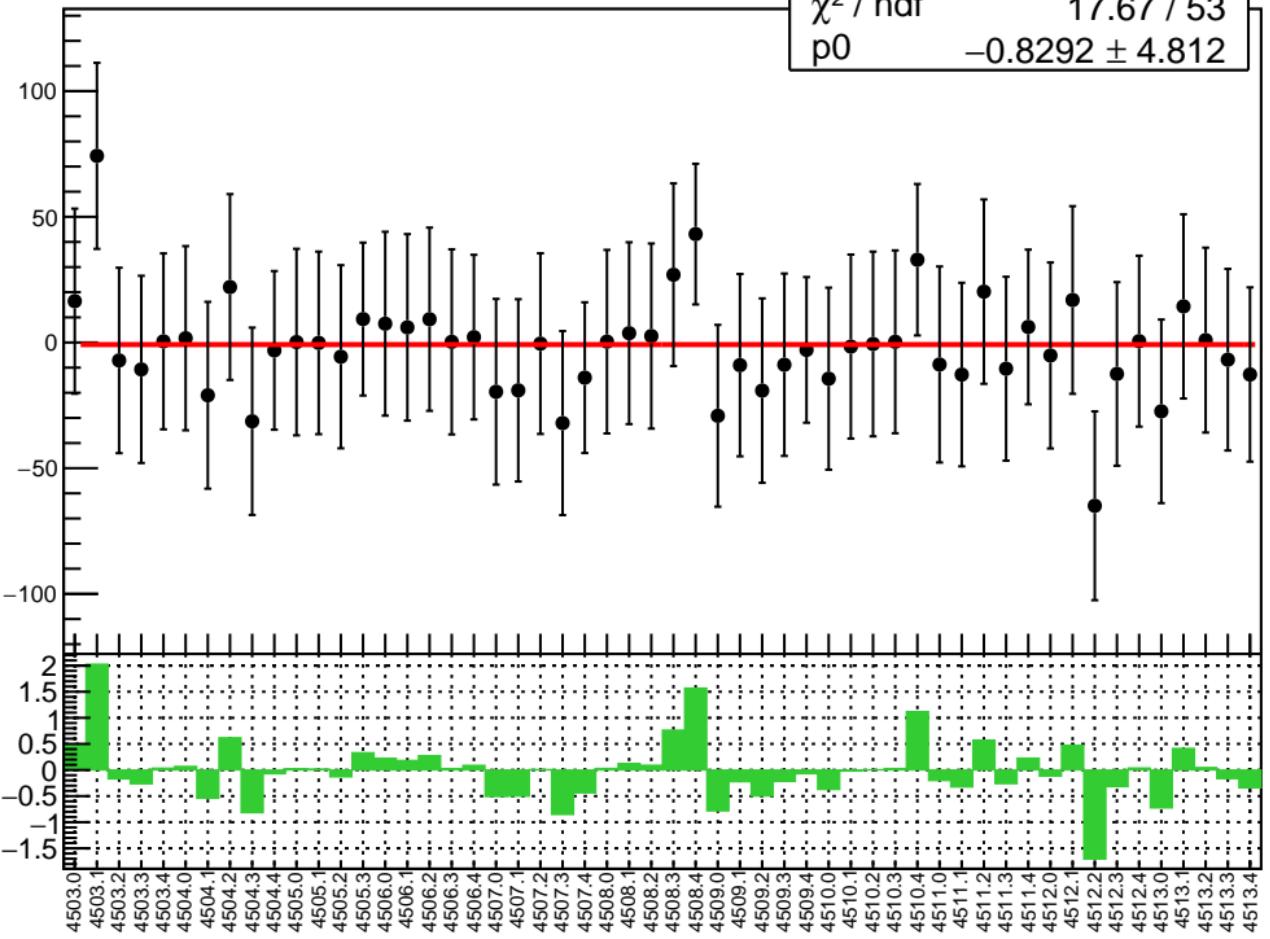
# corr\_us\_avg\_evMon9 RMS (ppm)

RMS (ppm)



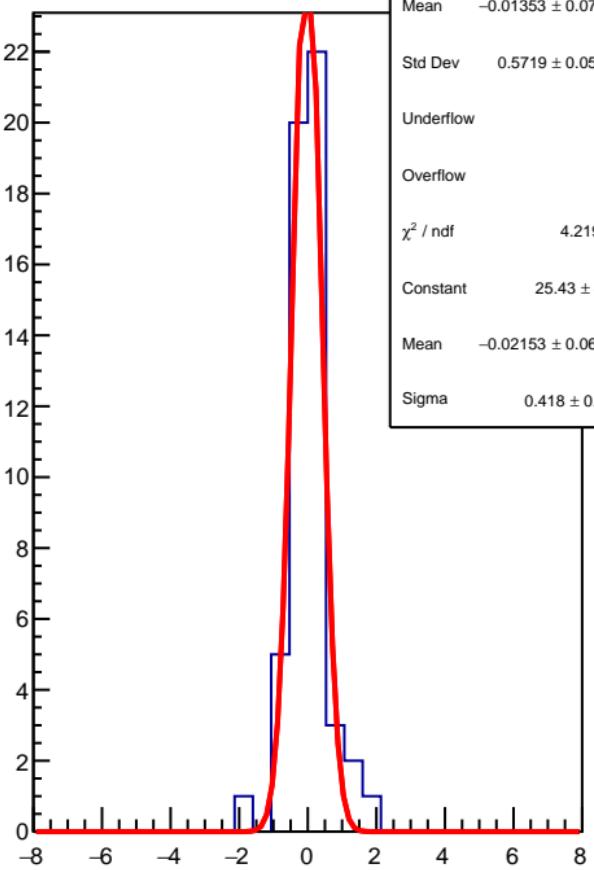
corr\_us\_avg\_evMon10 (ppb)

$\chi^2 / \text{ndf}$  17.67 / 53  
p0  $-0.8292 \pm 4.812$

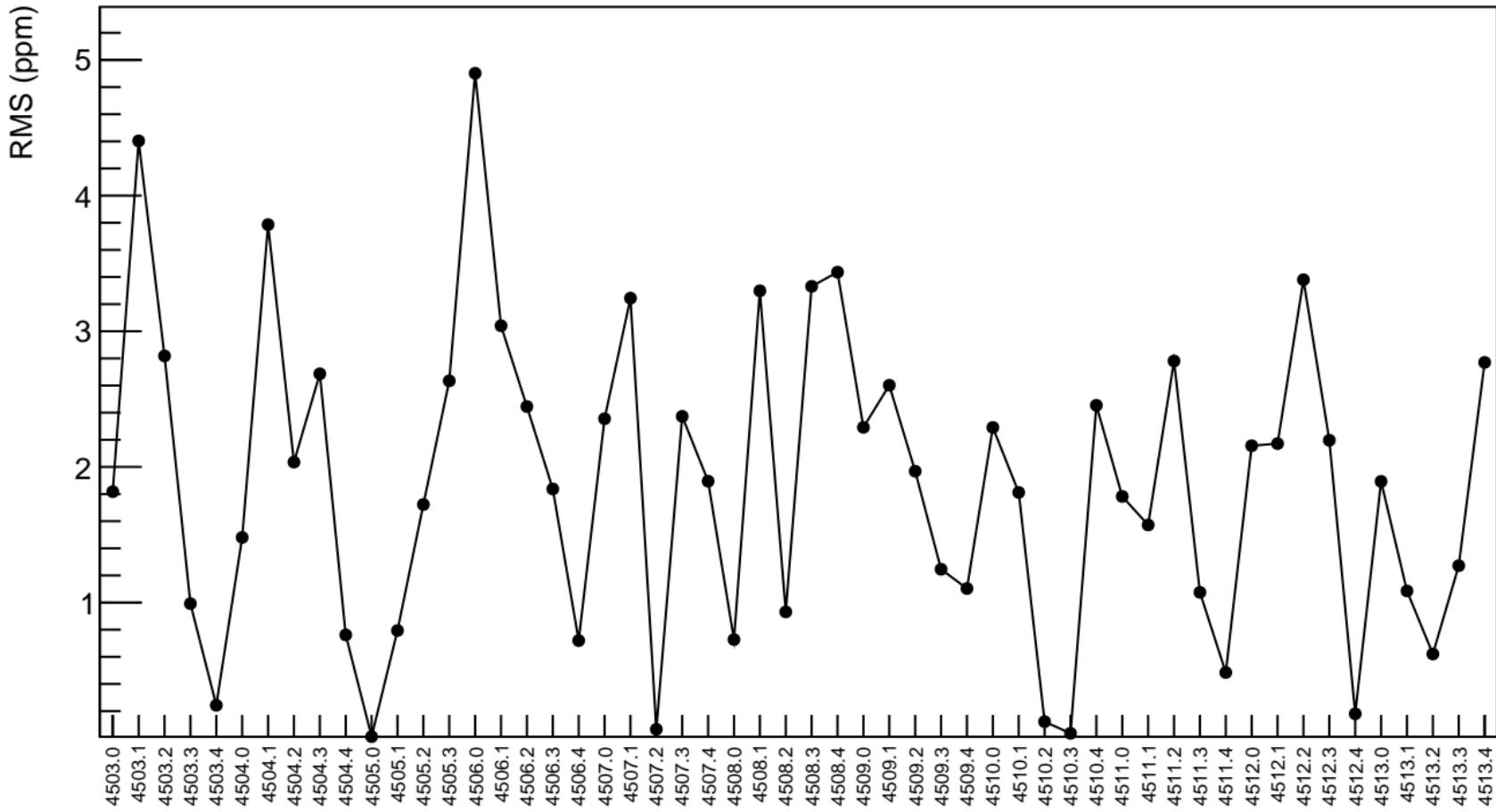


1D pull distribution

Mean  $-0.01353 \pm 0.07783$   
Std Dev  $0.5719 \pm 0.05503$   
Underflow 0  
Overflow 0  
 $\chi^2 / \text{ndf}$  4.219 / 4  
Constant  $25.43 \pm 4.71$   
Mean  $-0.02153 \pm 0.06202$   
Sigma  $0.418 \pm 0.052$

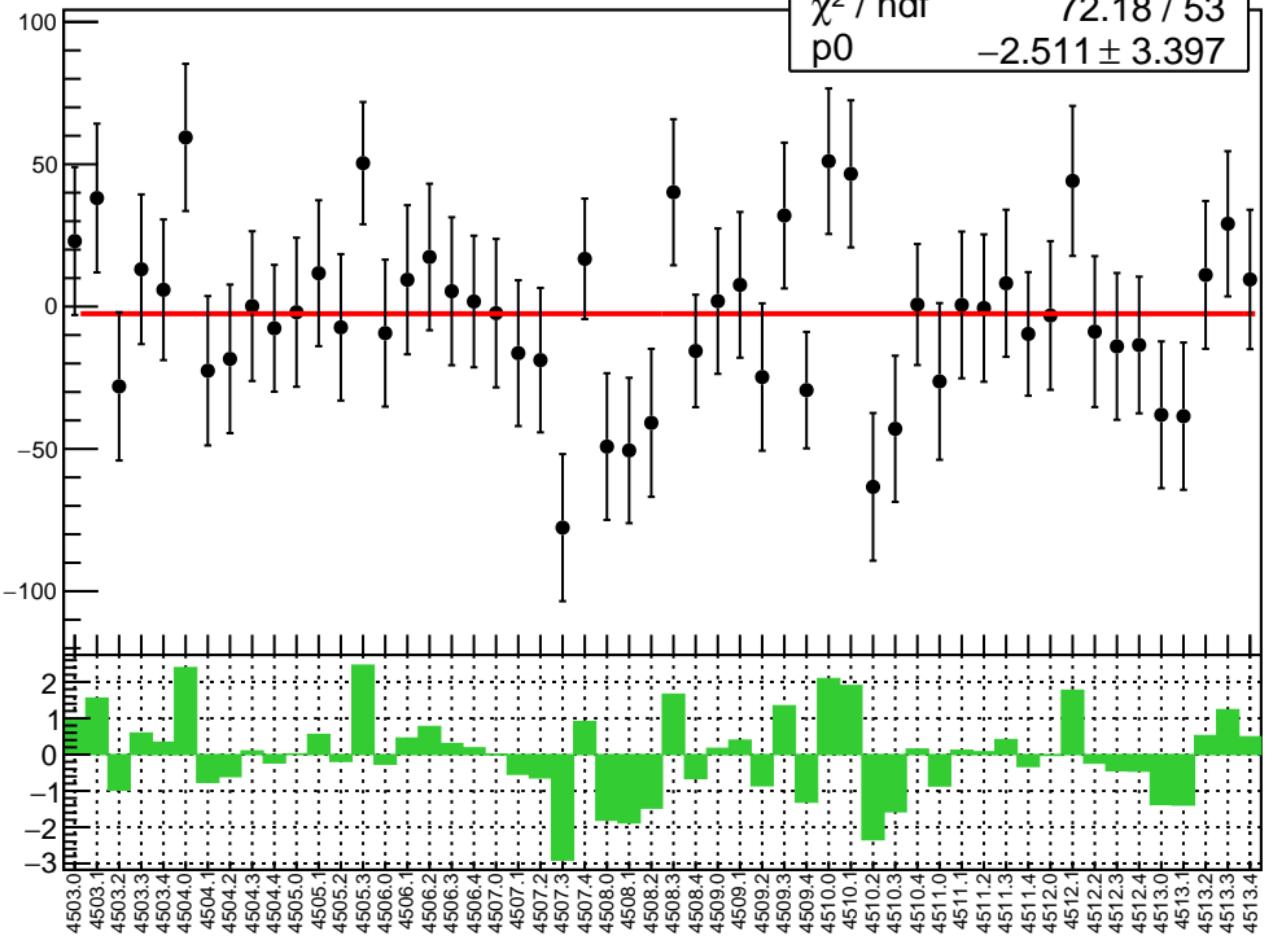


# corr\_us\_avg\_evMon10 RMS (ppm)



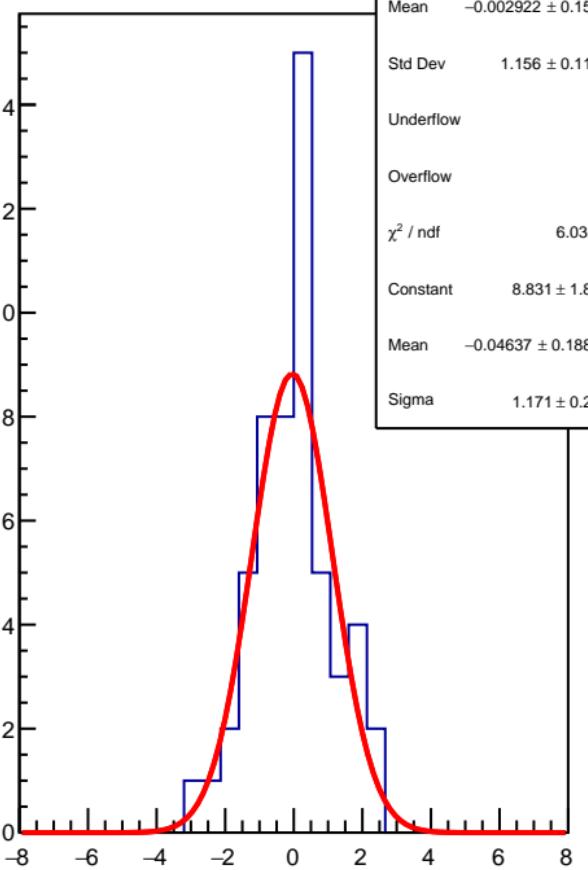
corr\_us\_avg\_evMon11 (ppb)

$\chi^2 / \text{ndf}$  72.18 / 53  
p0  $-2.511 \pm 3.397$



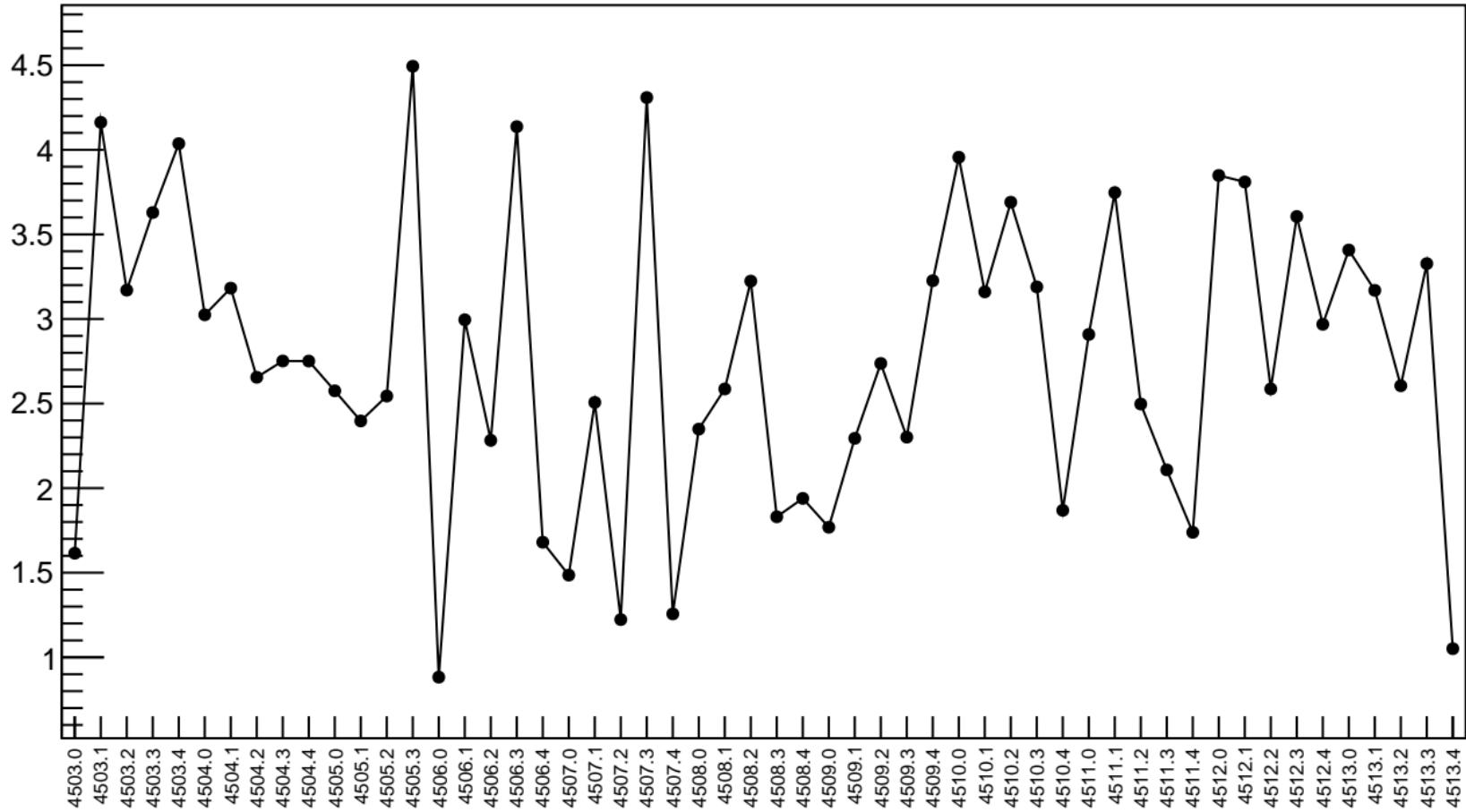
1D pull distribution

Mean  $-0.002922 \pm 0.1573$   
Std Dev  $1.156 \pm 0.1113$   
Underflow 0  
Overflow 0  
 $\chi^2 / \text{ndf}$  6.03 / 8  
Constant  $8.831 \pm 1.859$   
Mean  $-0.04637 \pm 0.18845$   
Sigma  $1.171 \pm 0.204$

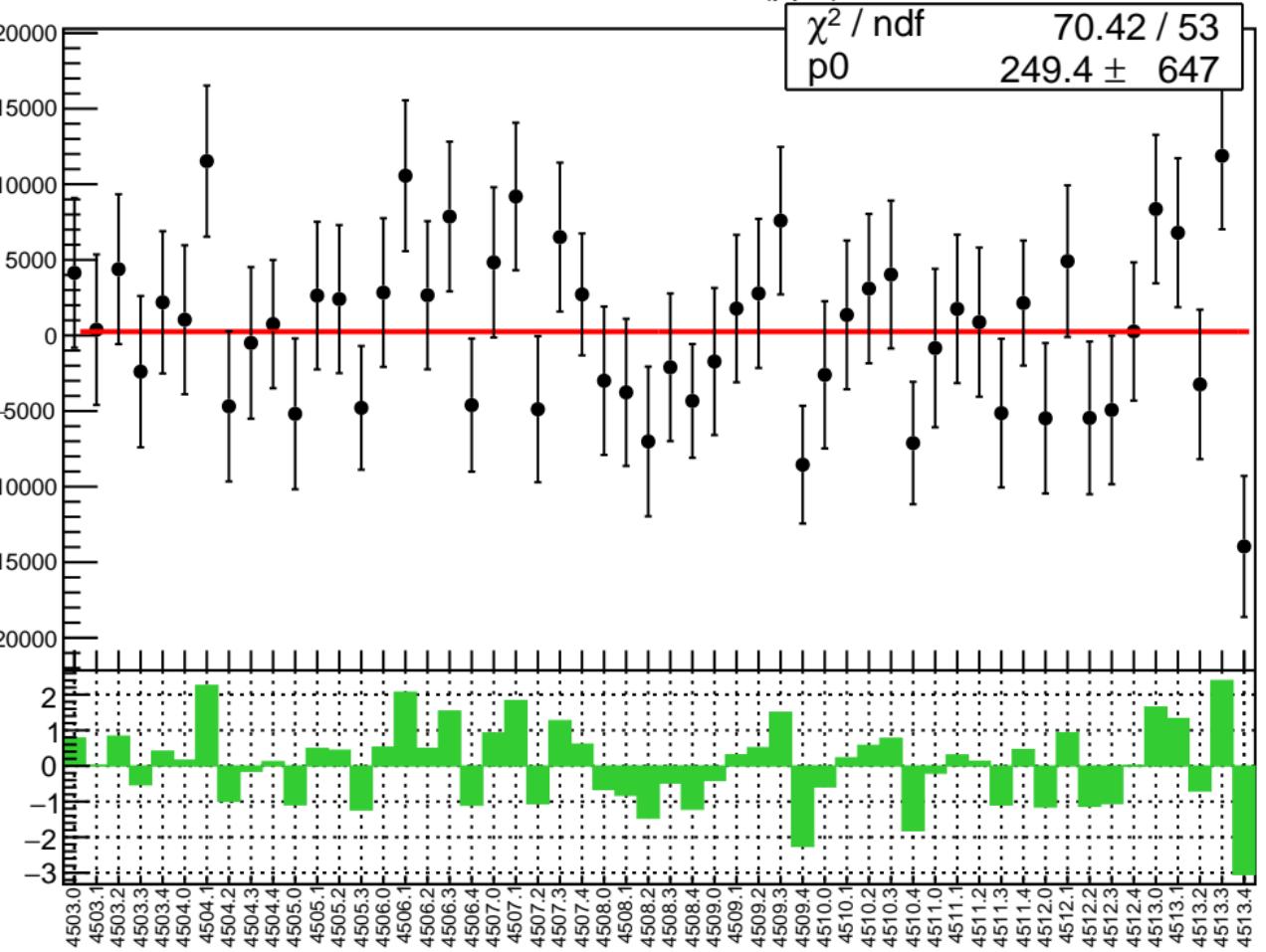


# corr\_us\_avg\_evMon11 RMS (ppm)

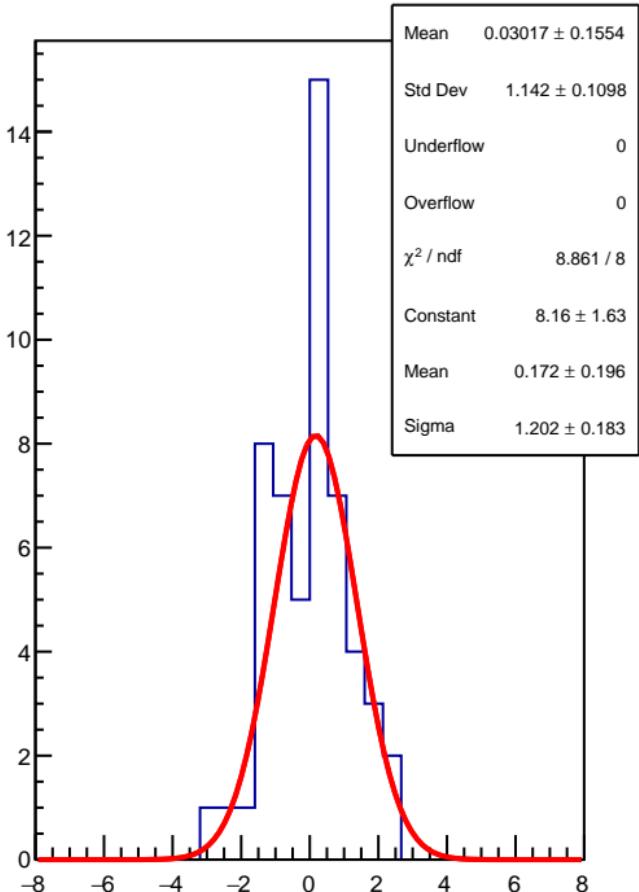
RMS (ppm)



corr\_us\_dd\_evMon0 (ppb)

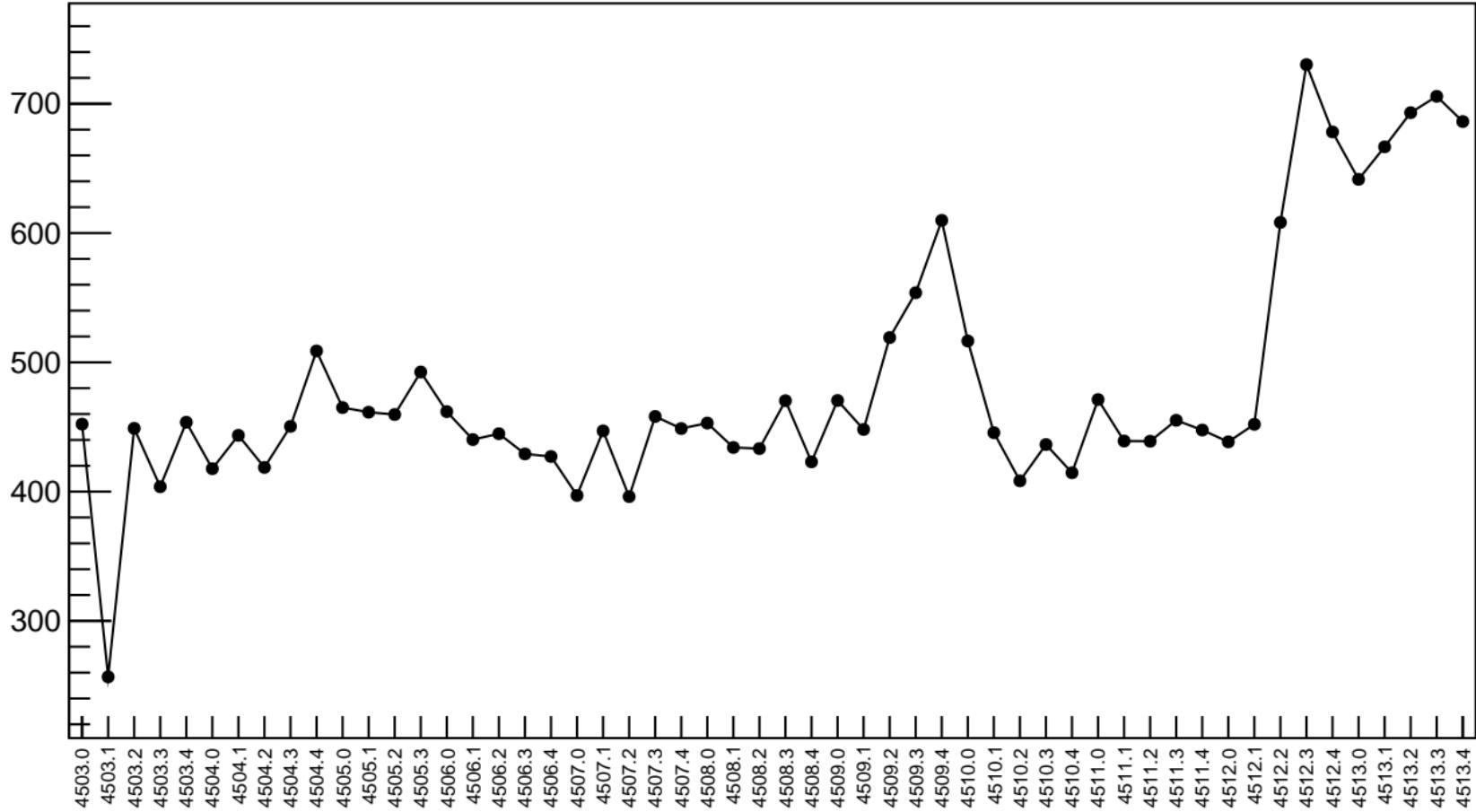


1D pull distribution

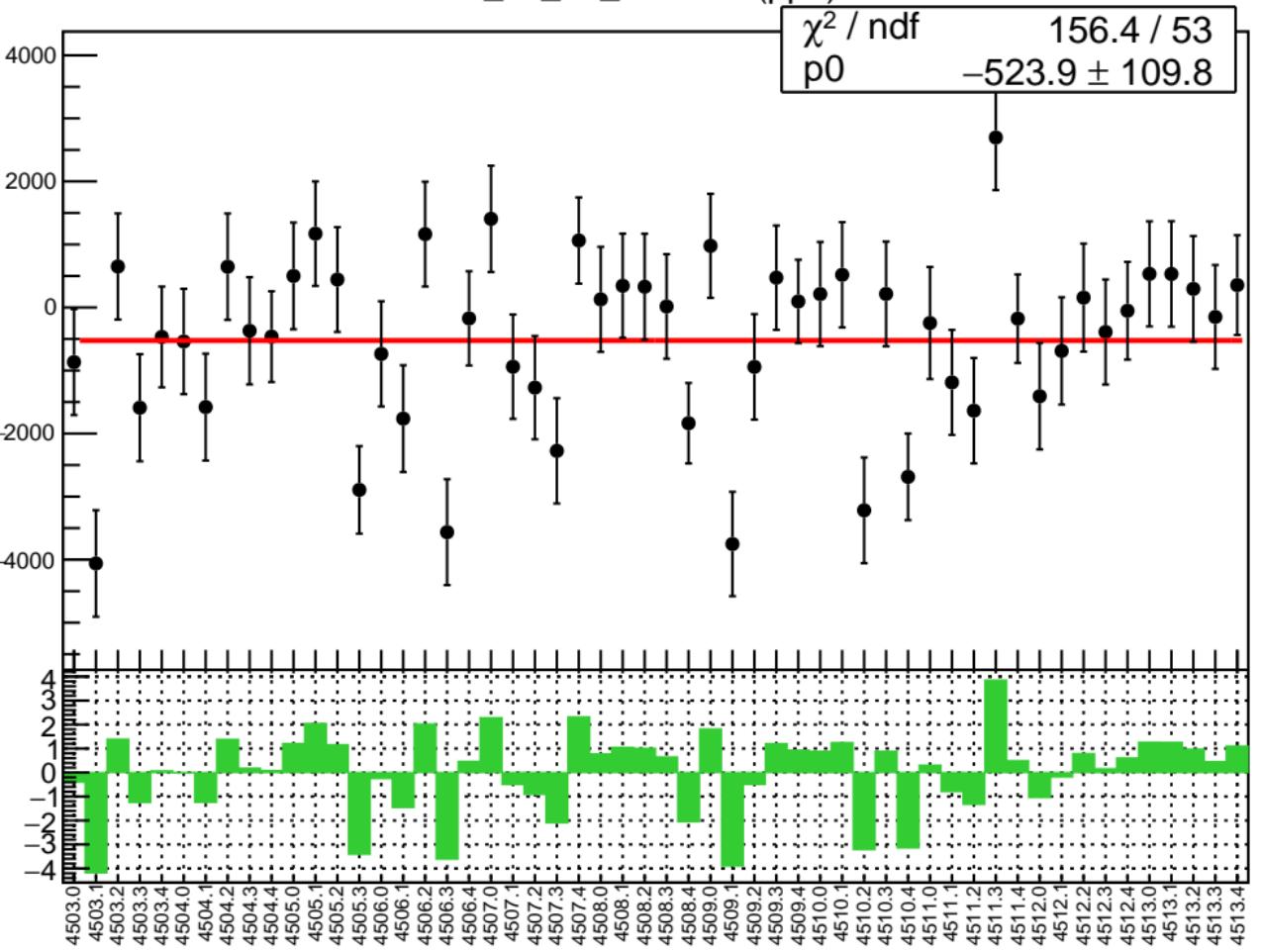


# corr\_us\_dd\_evMon0 RMS (ppm)

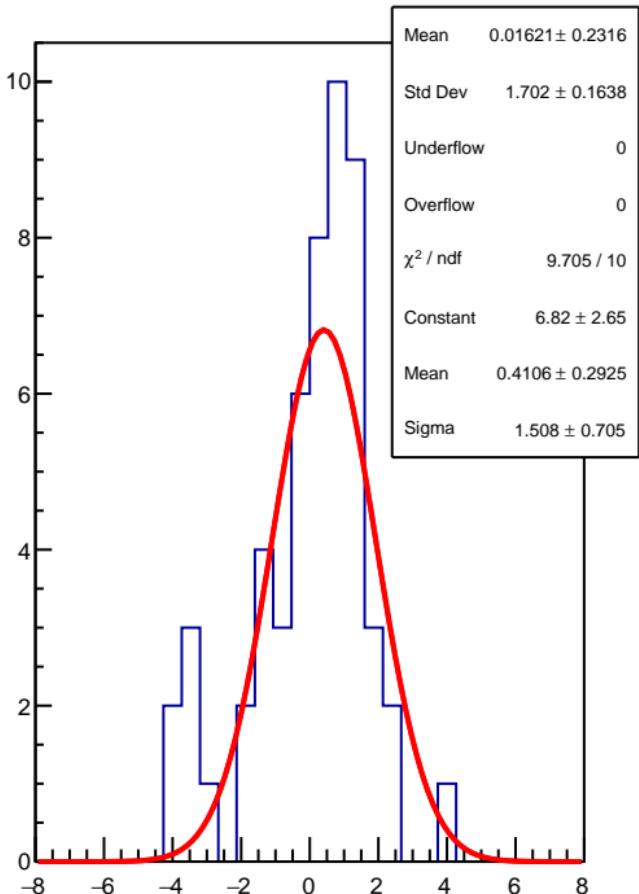
RMS (ppm)



corr\_us\_dd\_evMon1 (ppb)

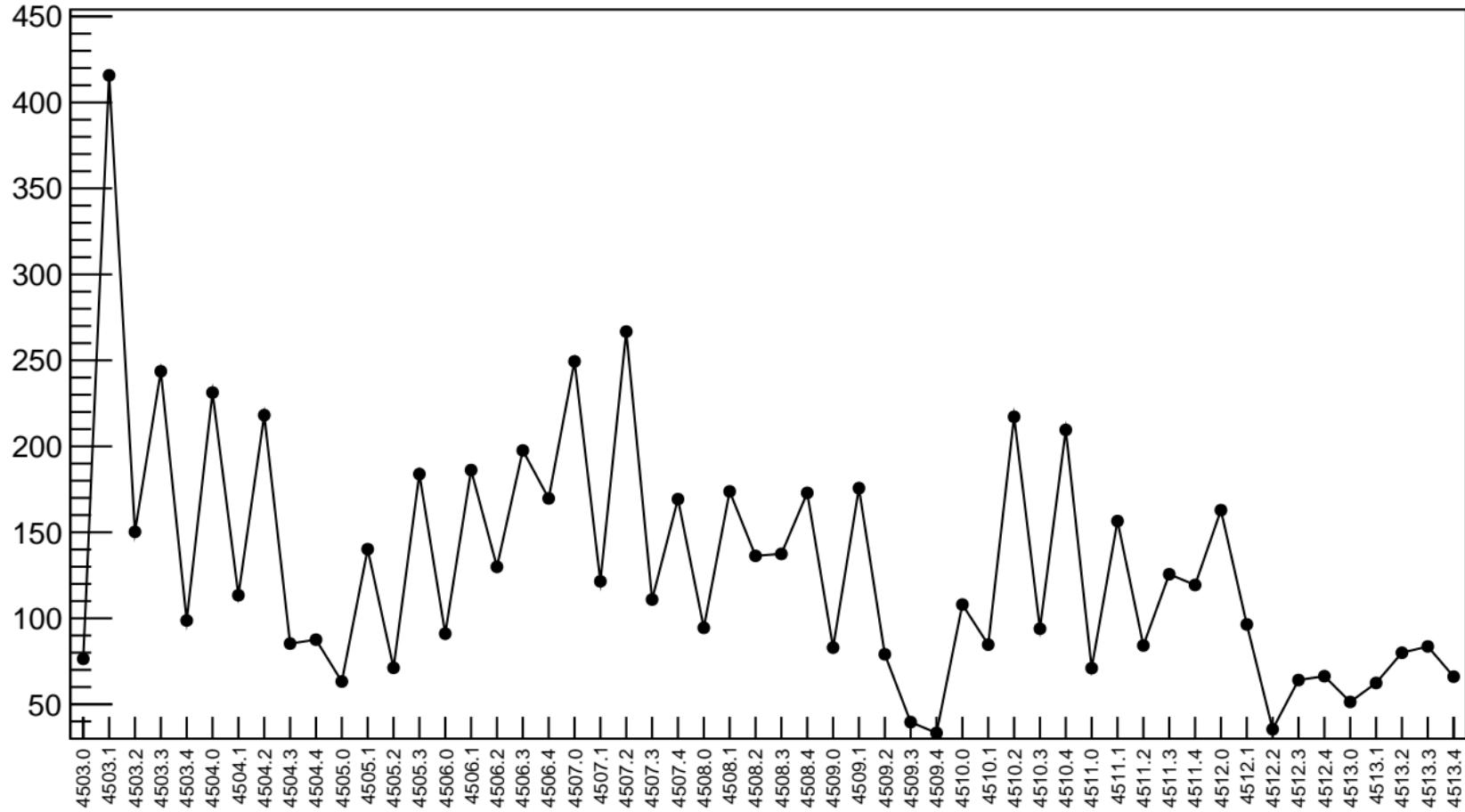


1D pull distribution



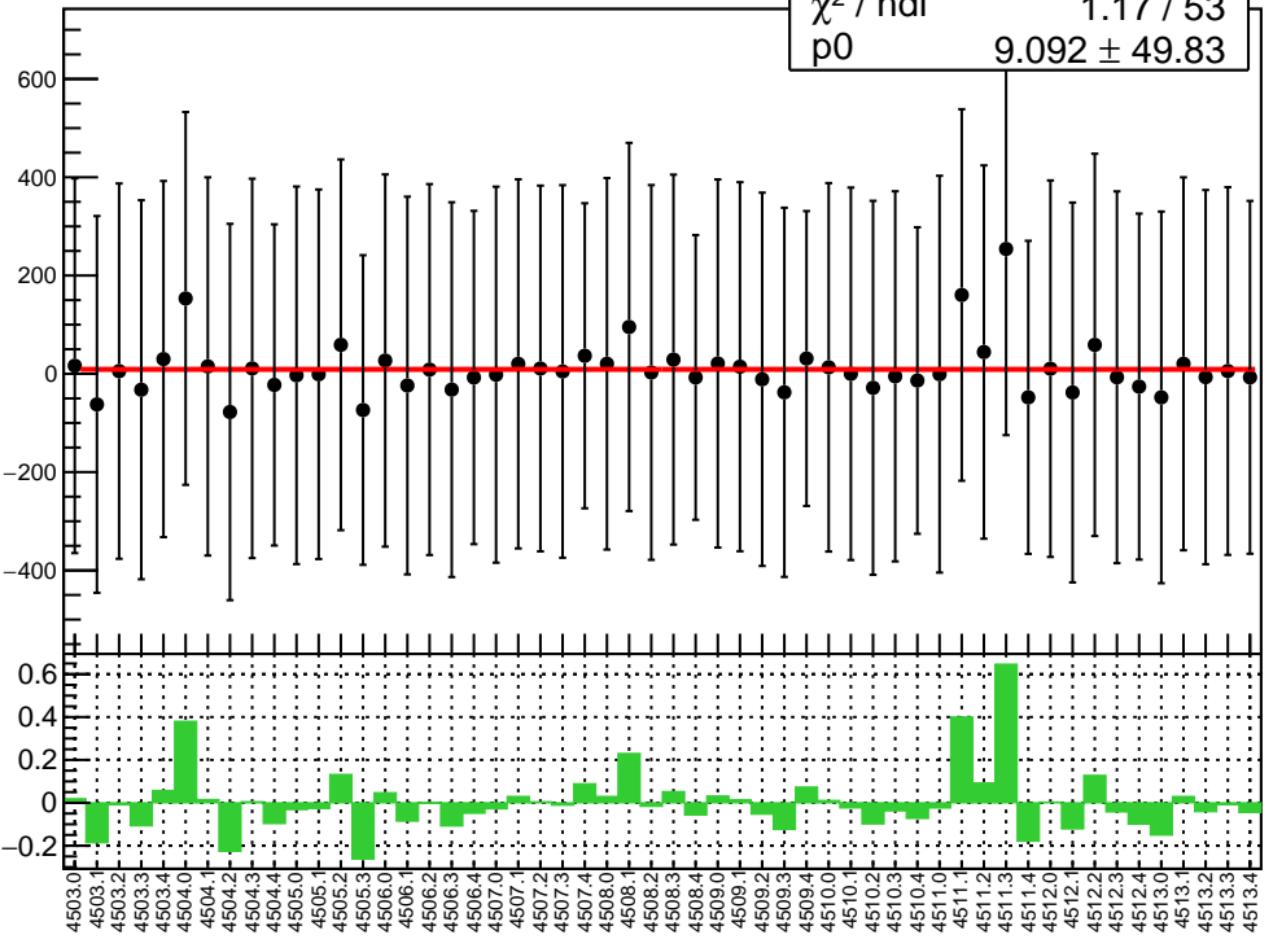
# corr\_us\_dd\_evMon1 RMS (ppm)

RMS (ppm)

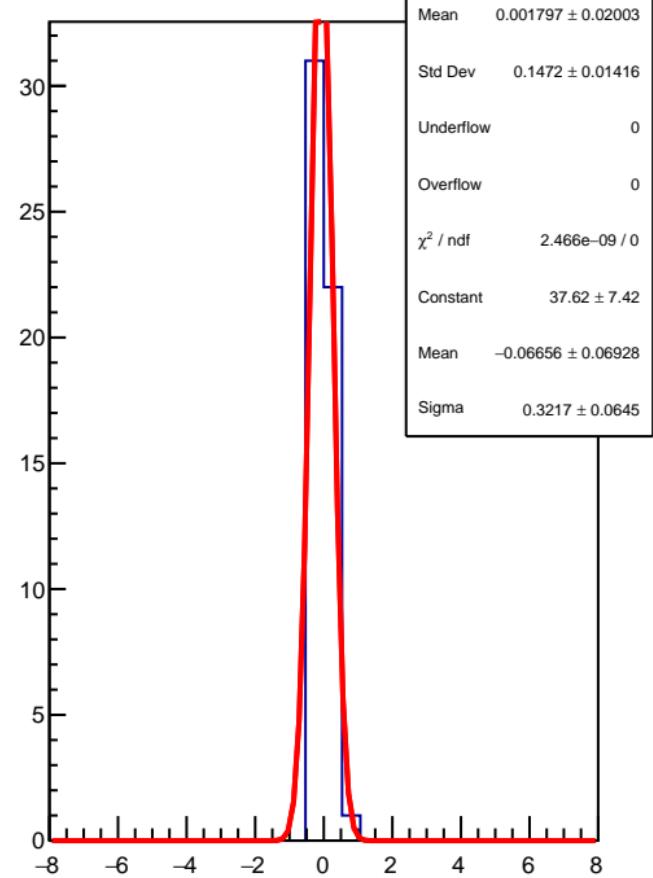


corr\_us\_dd\_evMon2 (ppb)

$\chi^2 / \text{ndf}$  1.17 / 53  
 $p_0$   $9.092 \pm 49.83$

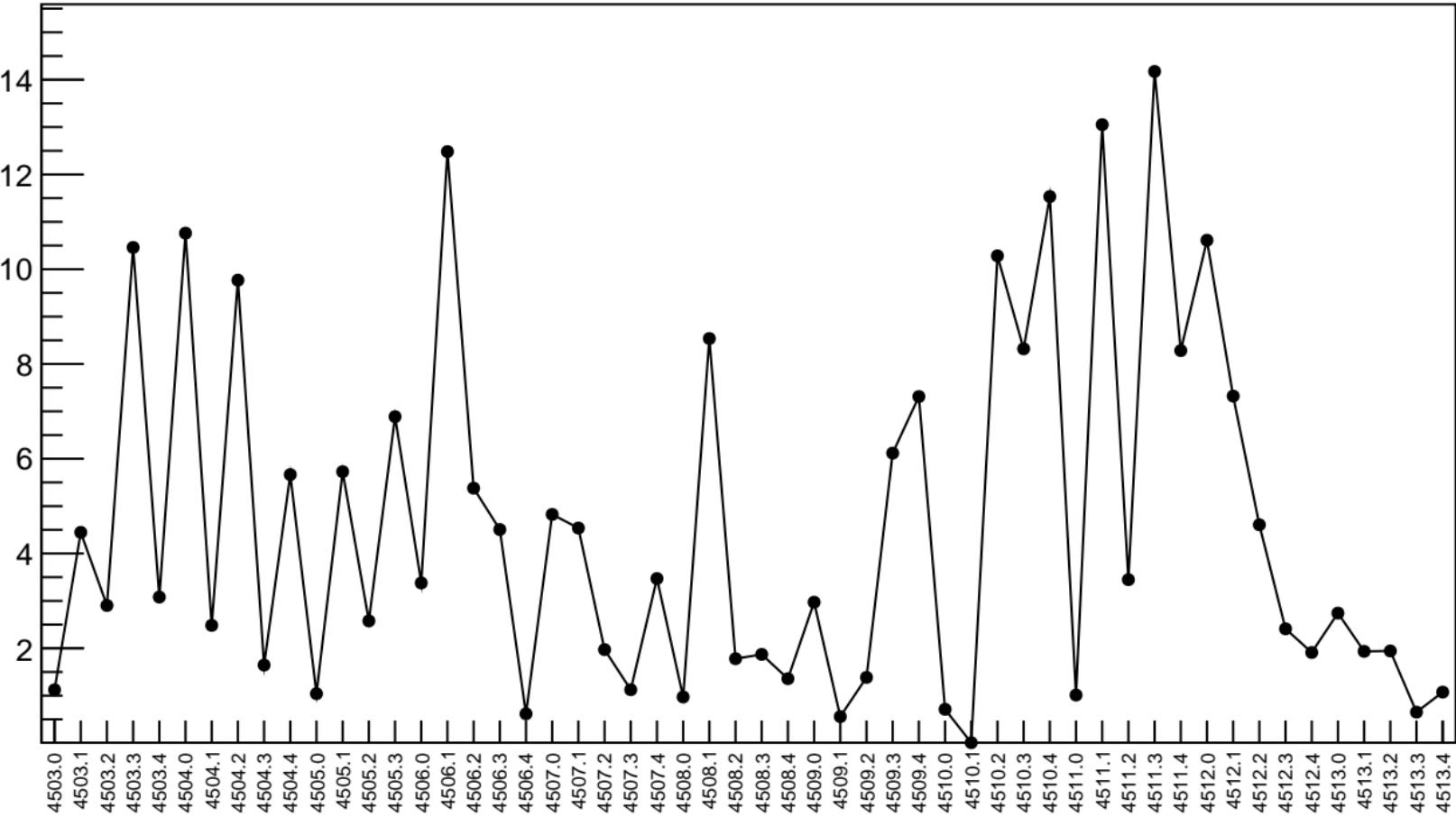


1D pull distribution

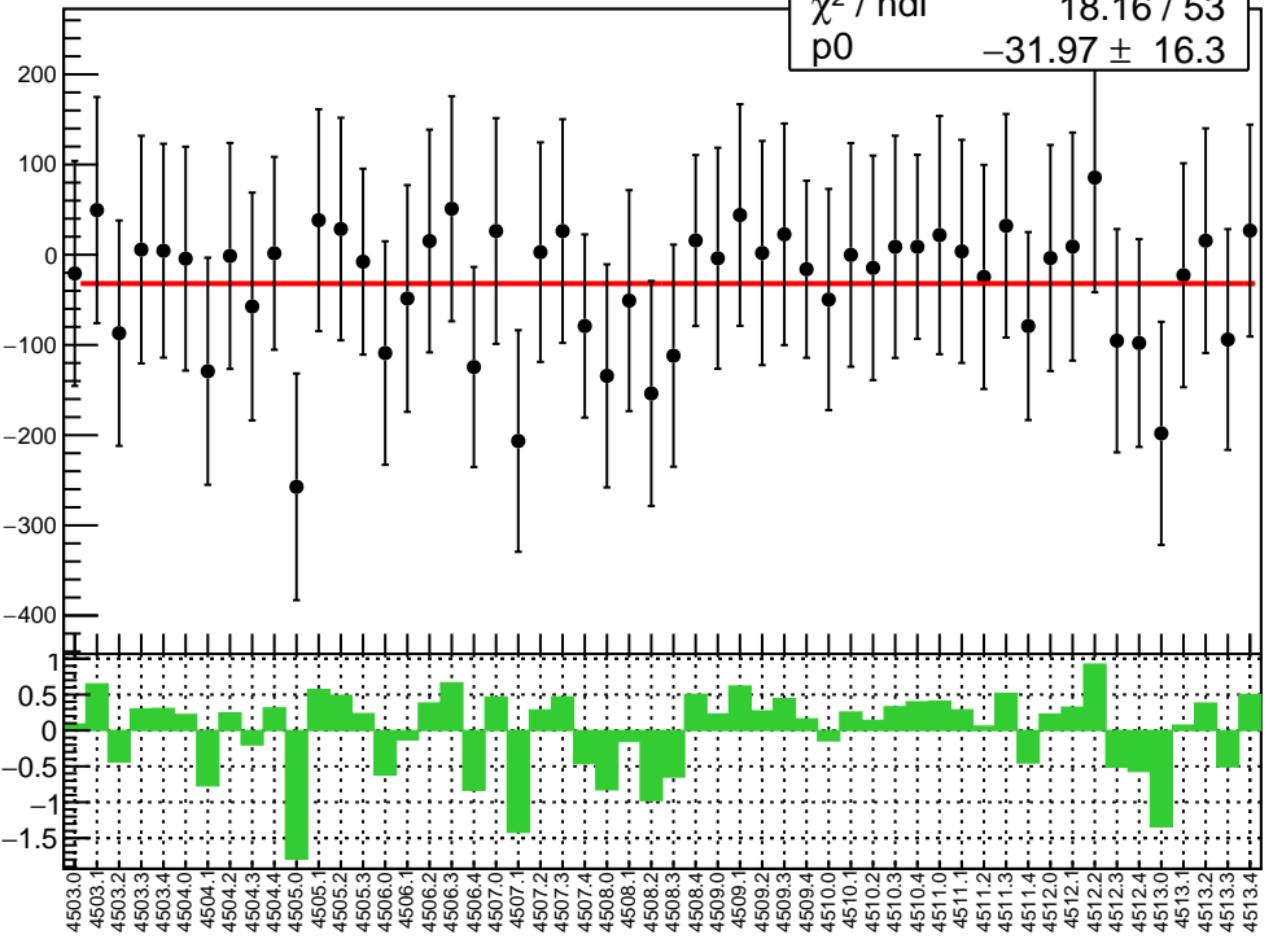


# corr\_us\_dd\_evMon2 RMS (ppm)

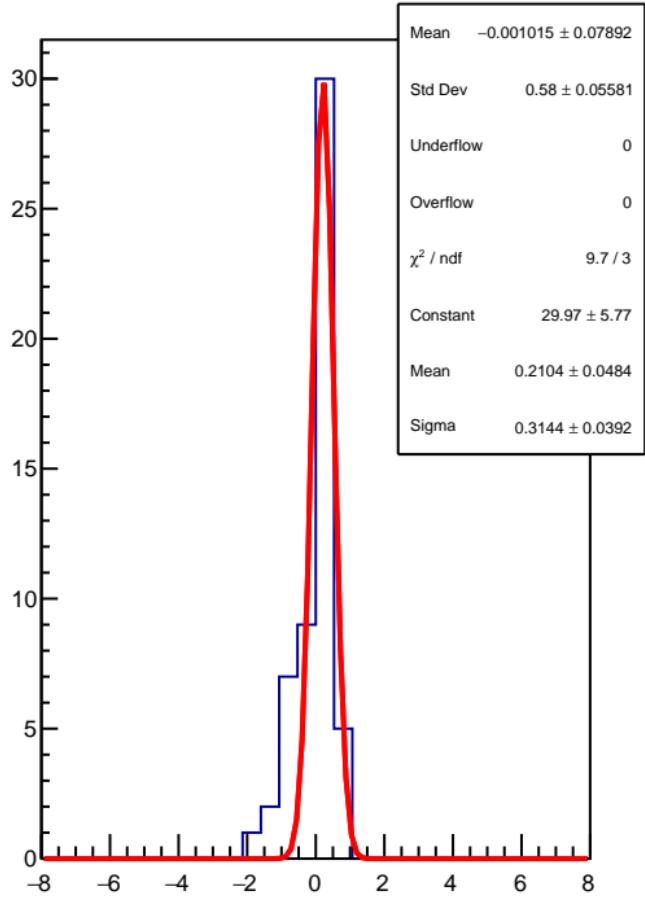
RMS (ppm)



corr\_us\_dd\_evMon3 (ppb)

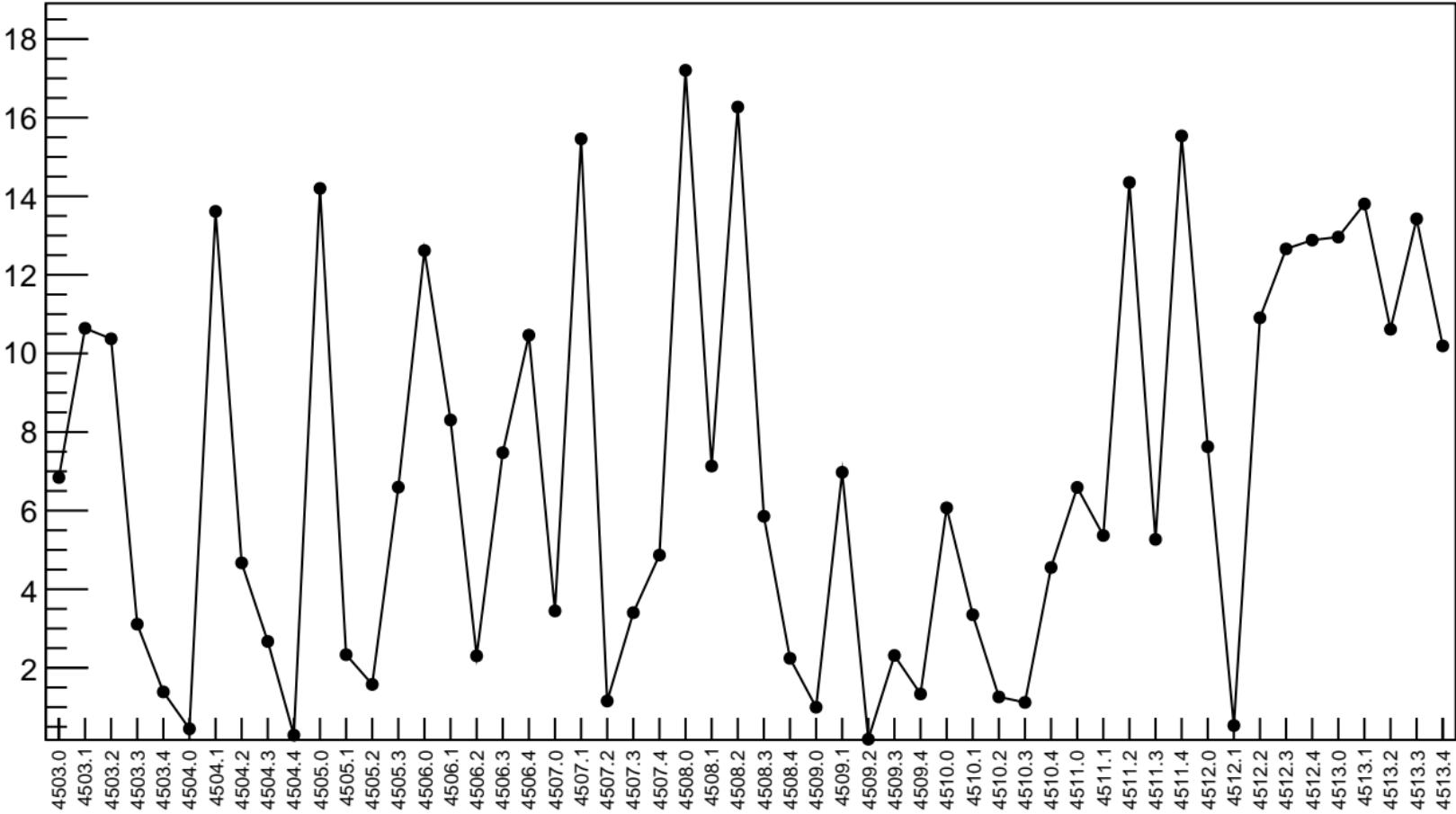
 $\chi^2 / \text{ndf}$   
 $18.16 / 53$   
 $p_0$   
 $-31.97 \pm 16.3$ 


1D pull distribution

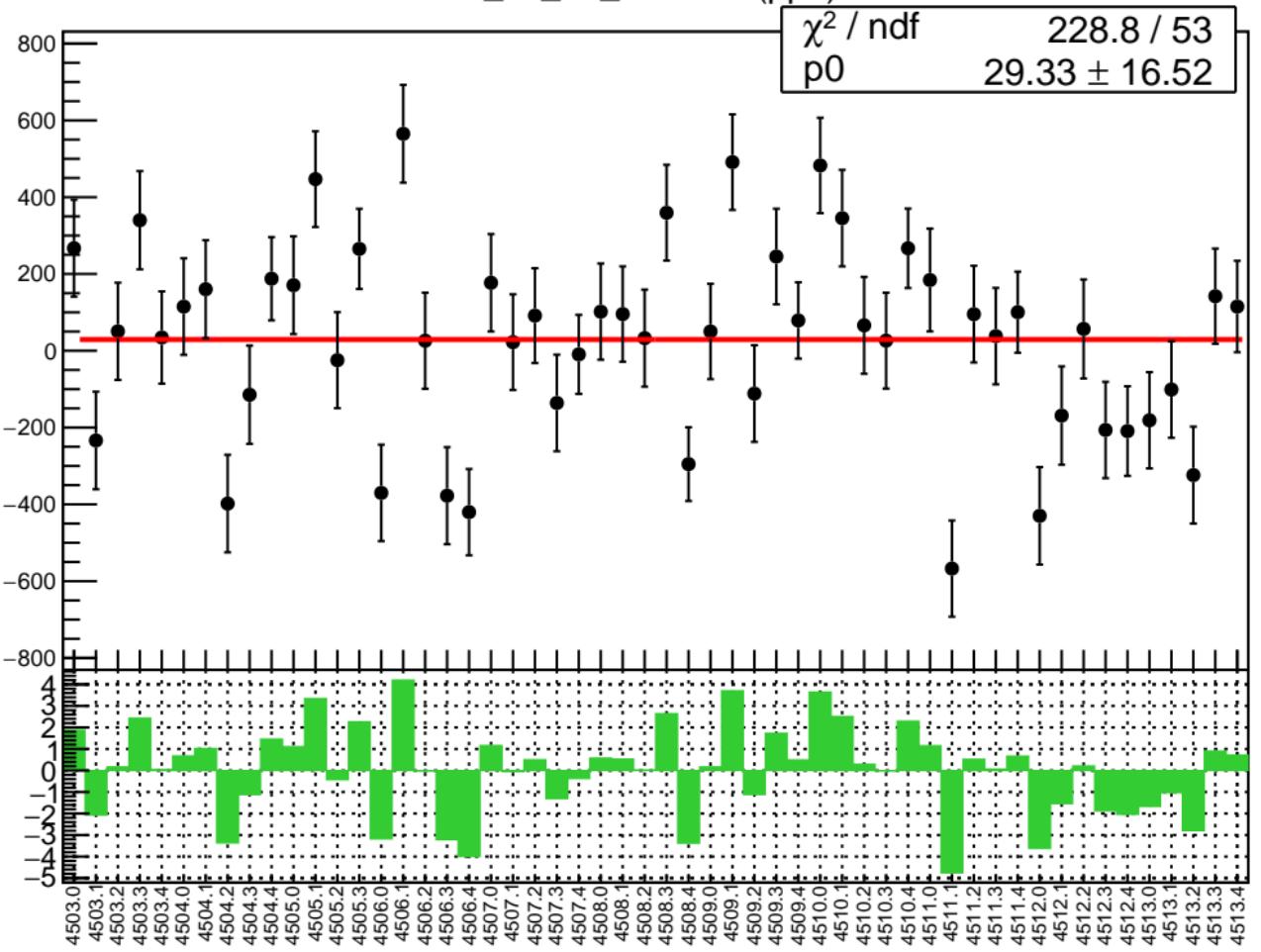


# corr\_us\_dd\_evMon3 RMS (ppm)

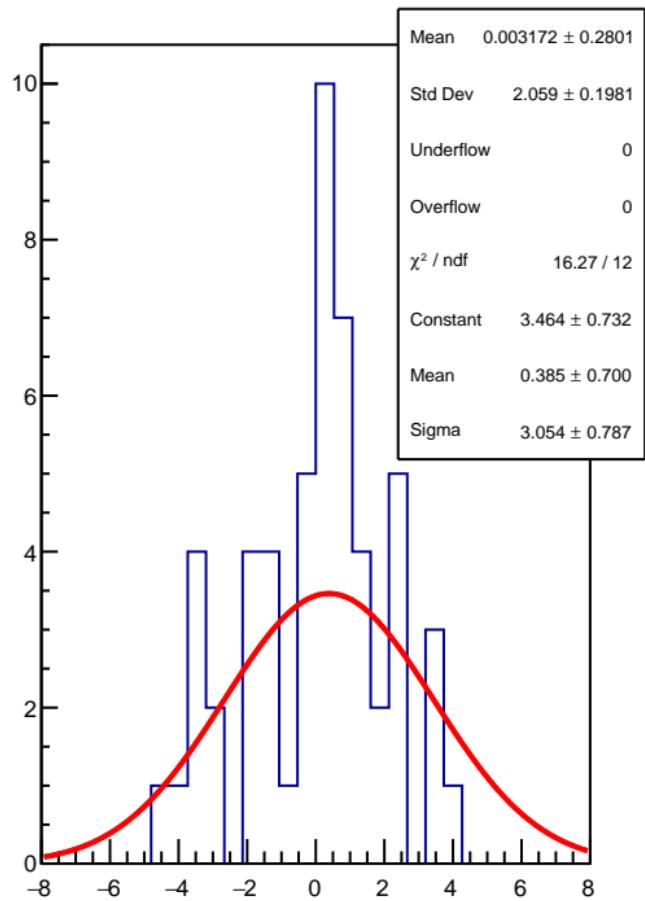
RMS (ppm)



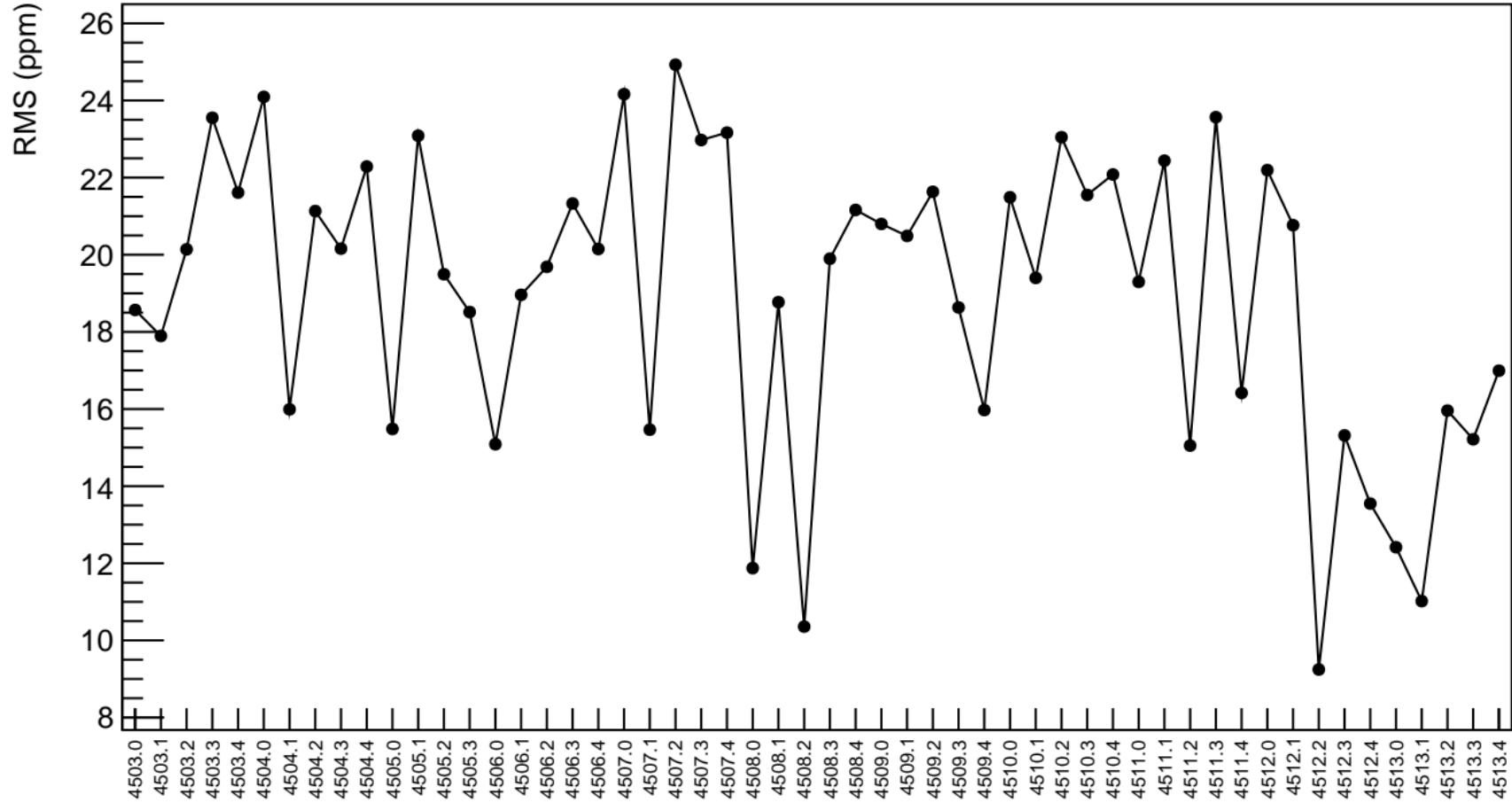
corr\_us\_dd\_evMon4 (ppb)



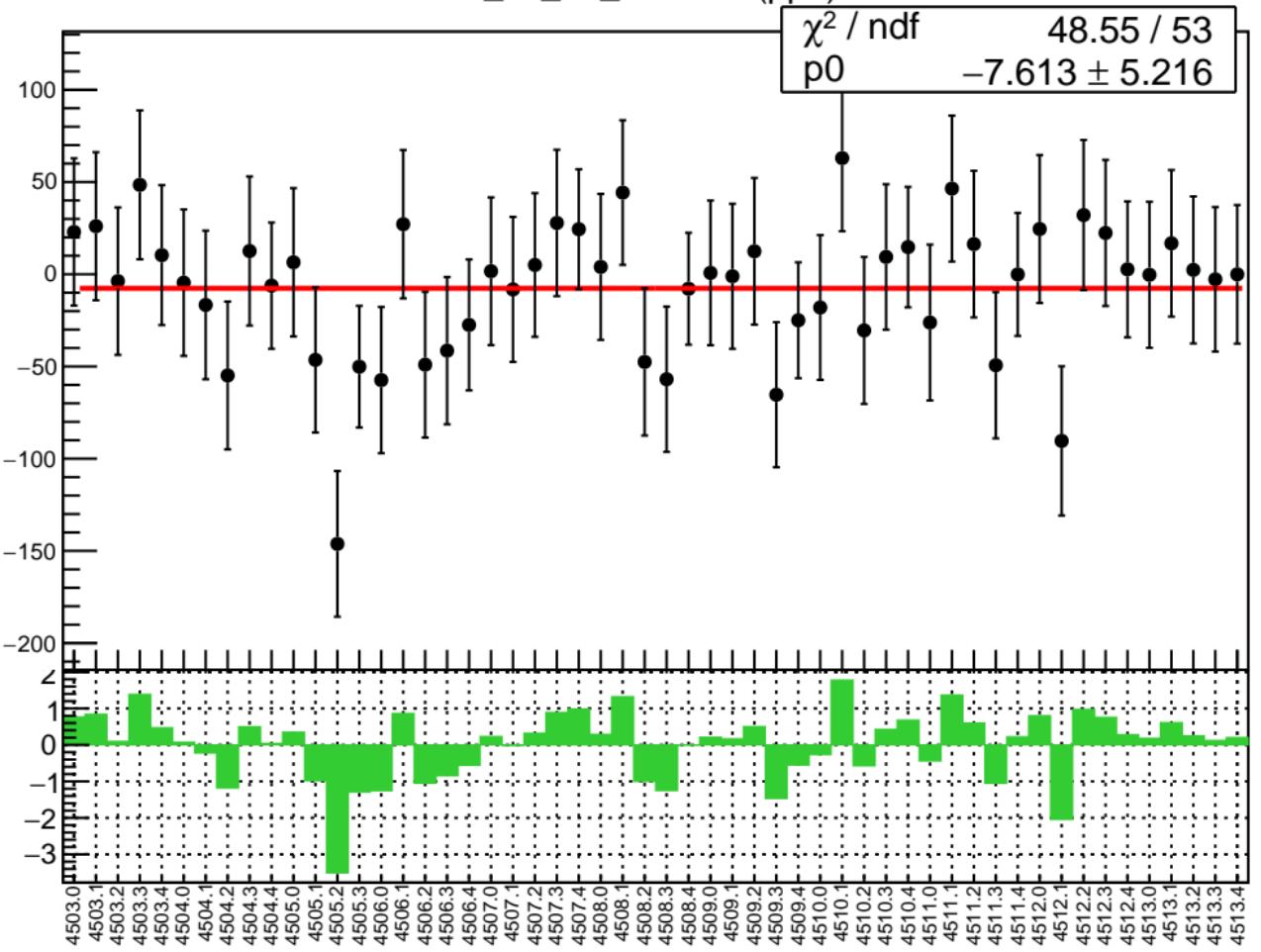
1D pull distribution



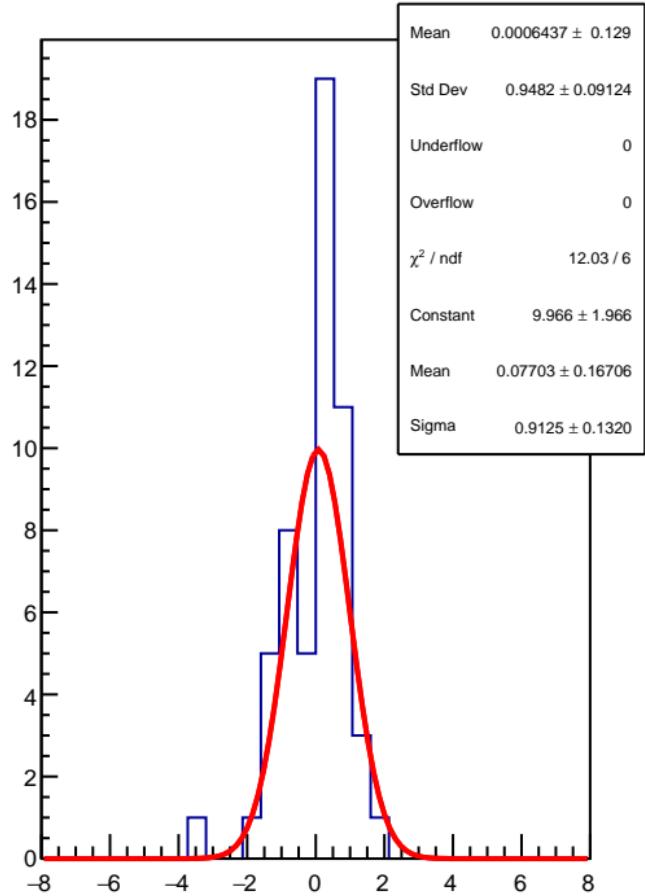
# corr\_us\_dd\_evMon4 RMS (ppm)



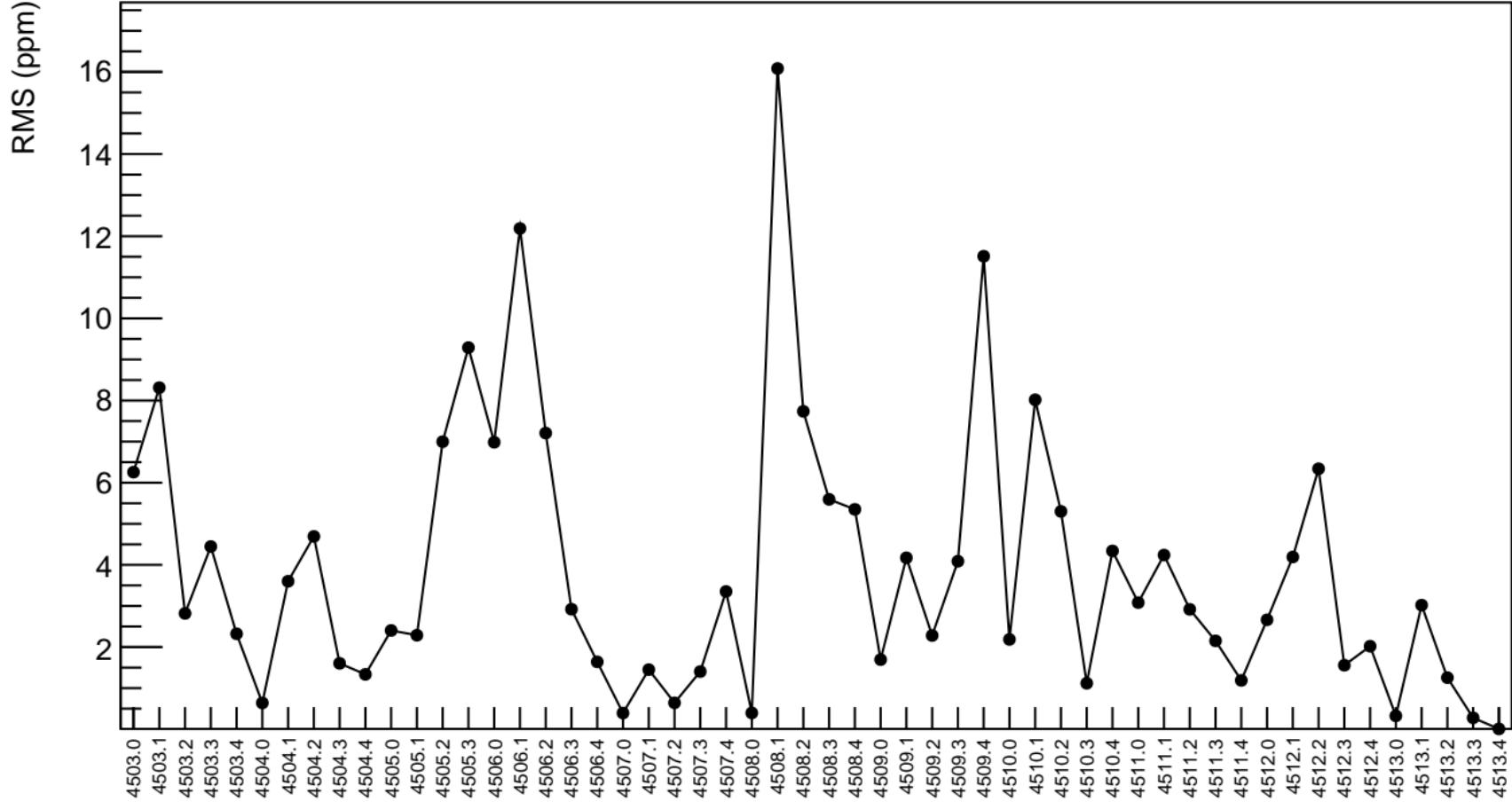
corr\_us\_dd\_evMon5 (ppb)



1D pull distribution

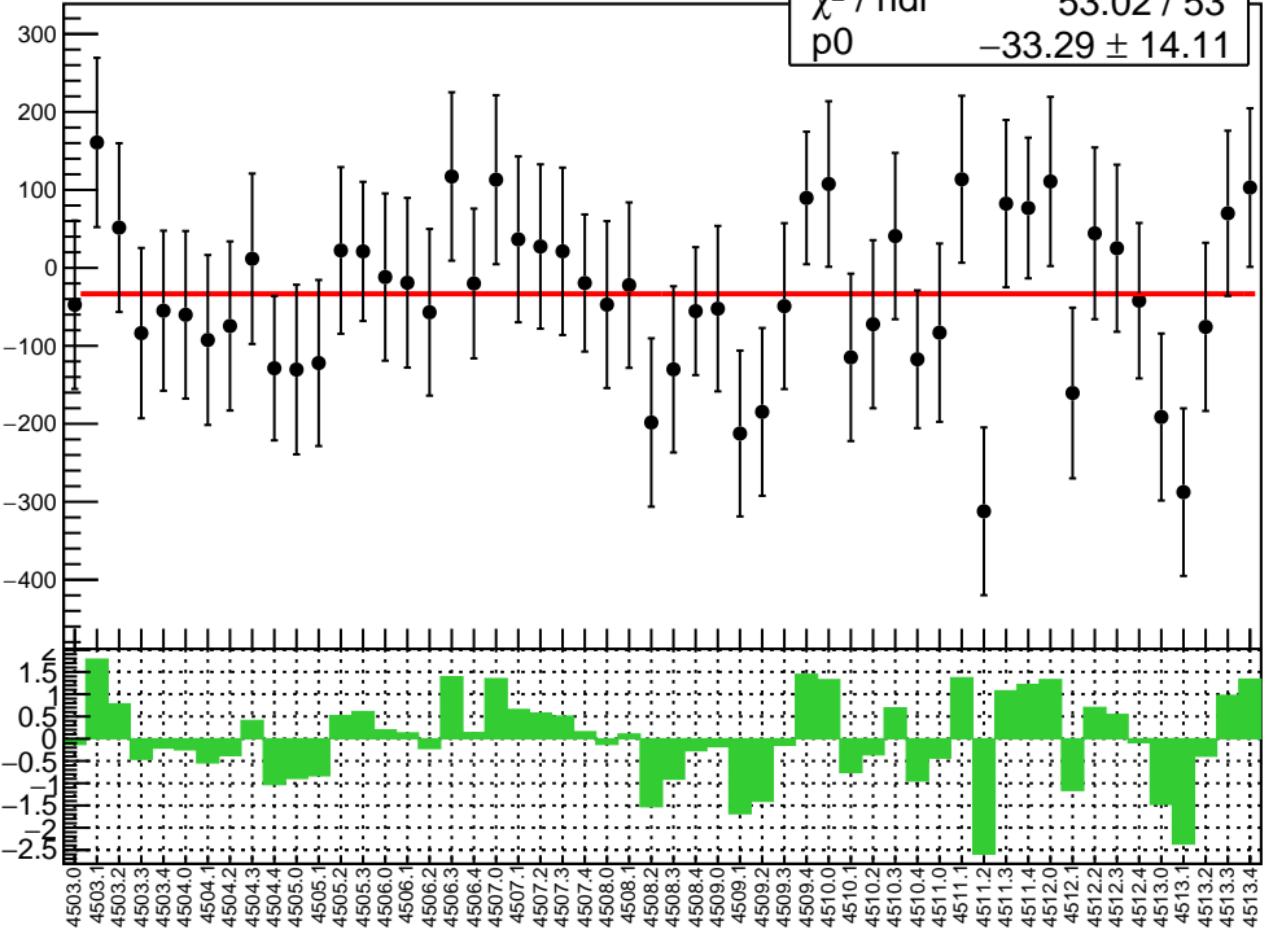


# corr\_us\_dd\_evMon5 RMS (ppm)

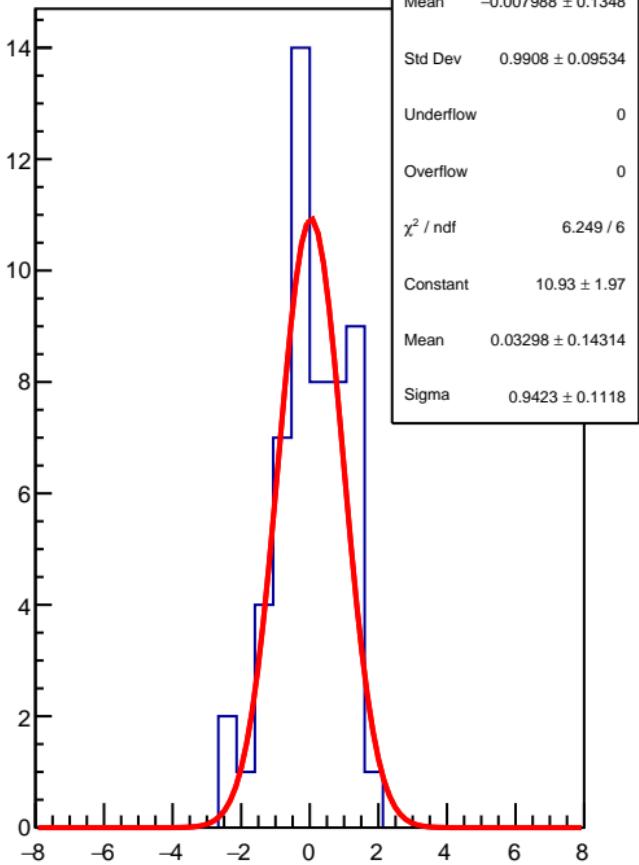


corr\_us\_dd\_evMon6 (ppb)

$\chi^2 / \text{ndf}$  53.02 / 53  
 $p_0$   $-33.29 \pm 14.11$

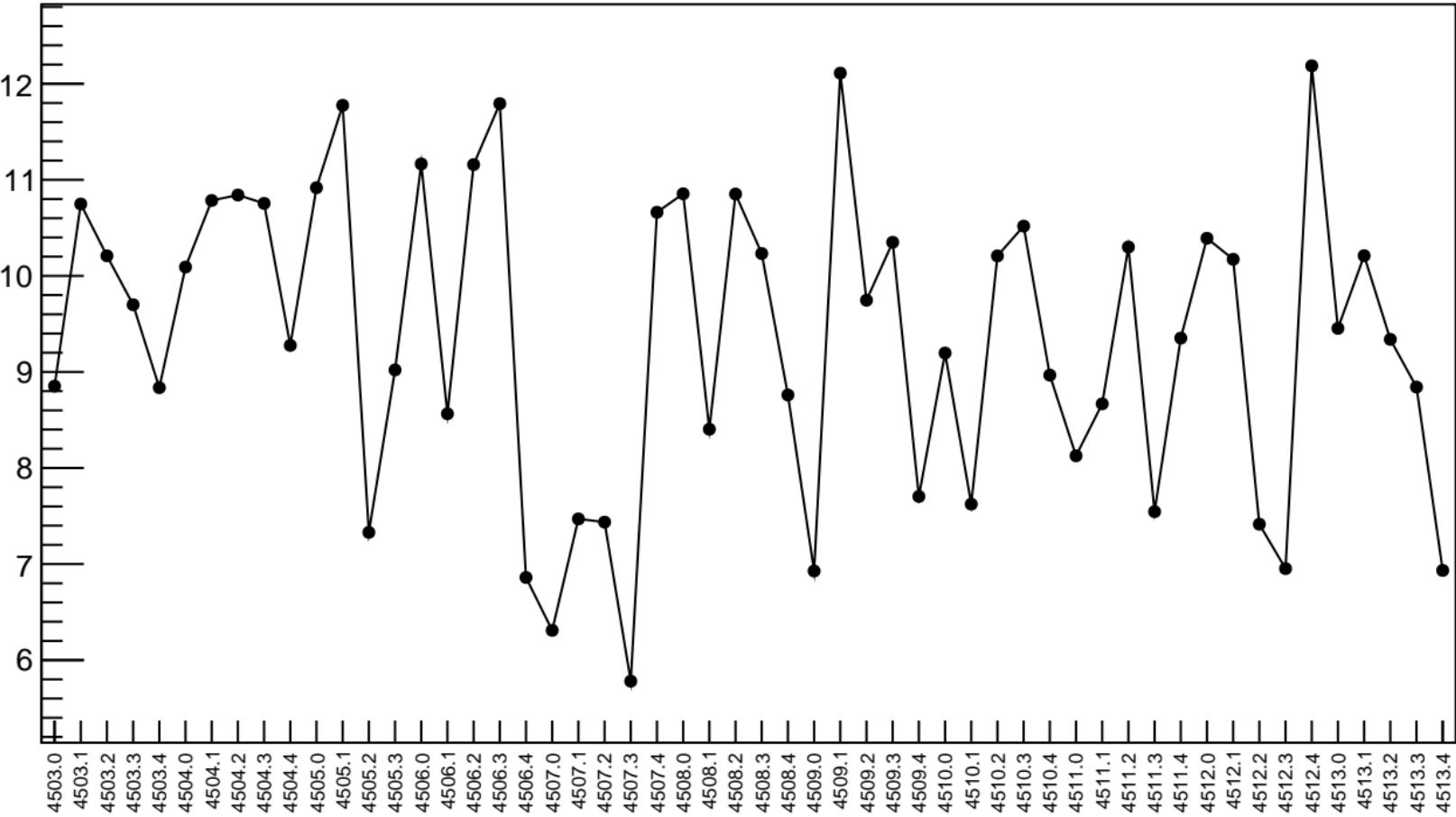


1D pull distribution



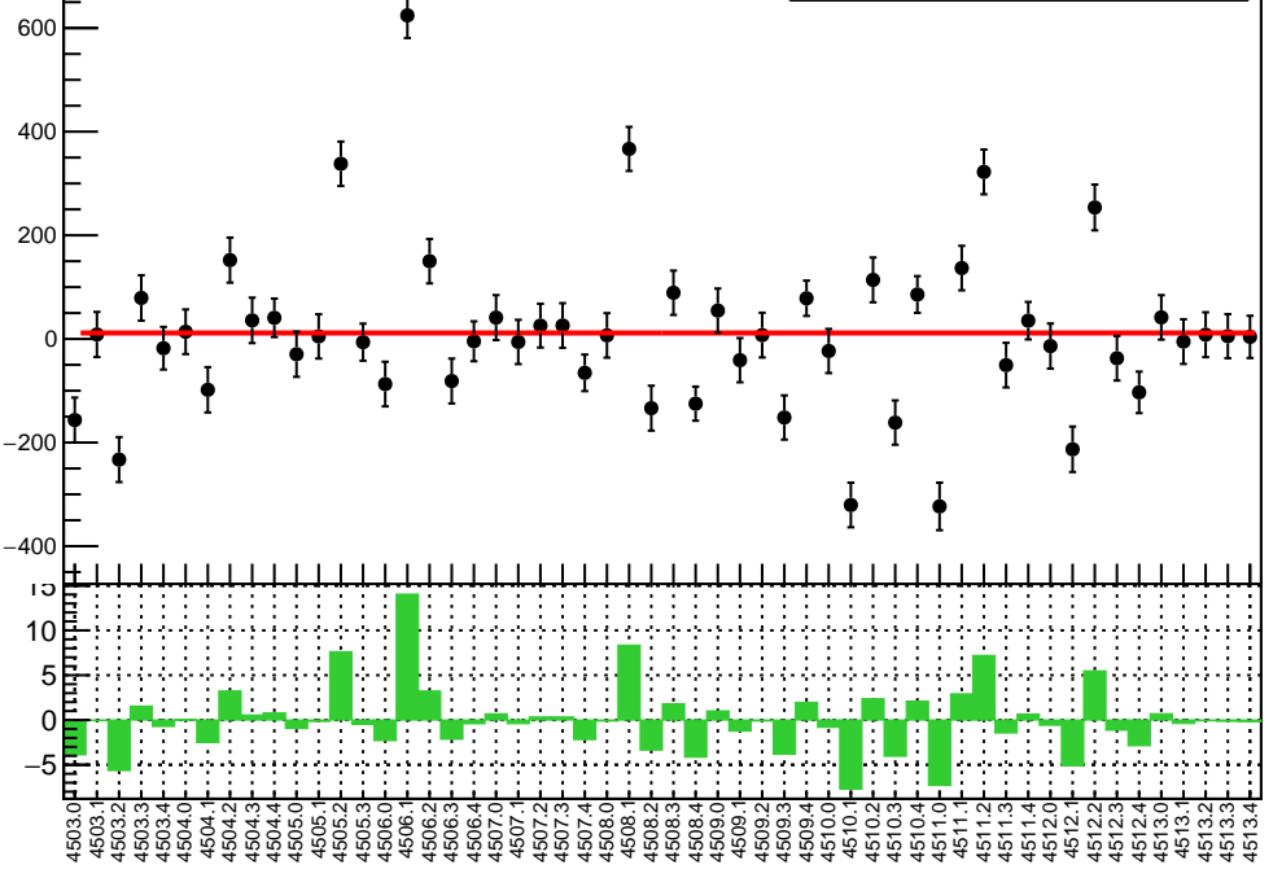
# corr\_us\_dd\_evMon6 RMS (ppm)

RMS (ppm)

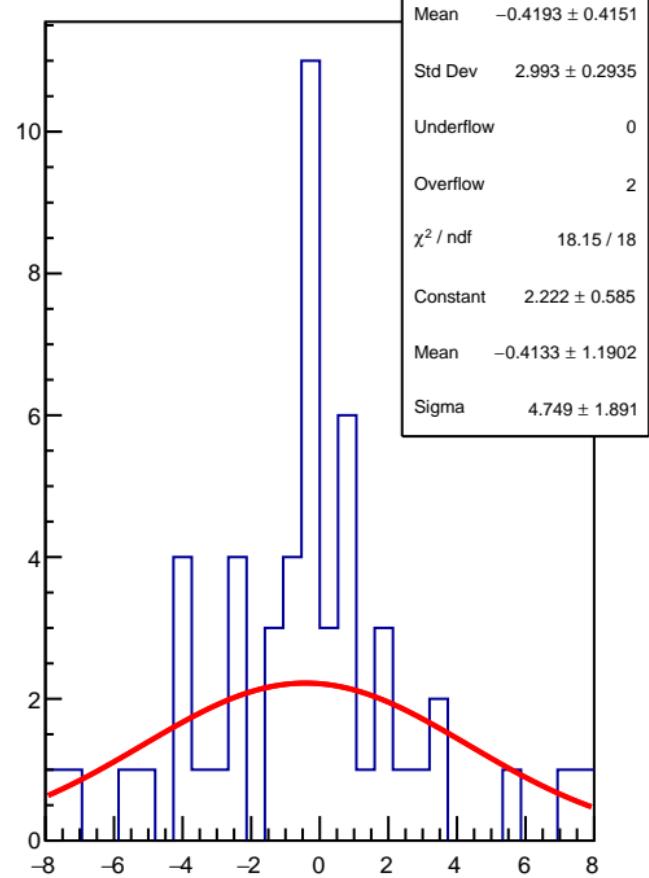


corr\_us\_dd\_evMon7 (ppb)

$\chi^2 / \text{ndf}$  741.9 / 53  
 $p_0$   $11.5 \pm 5.66$

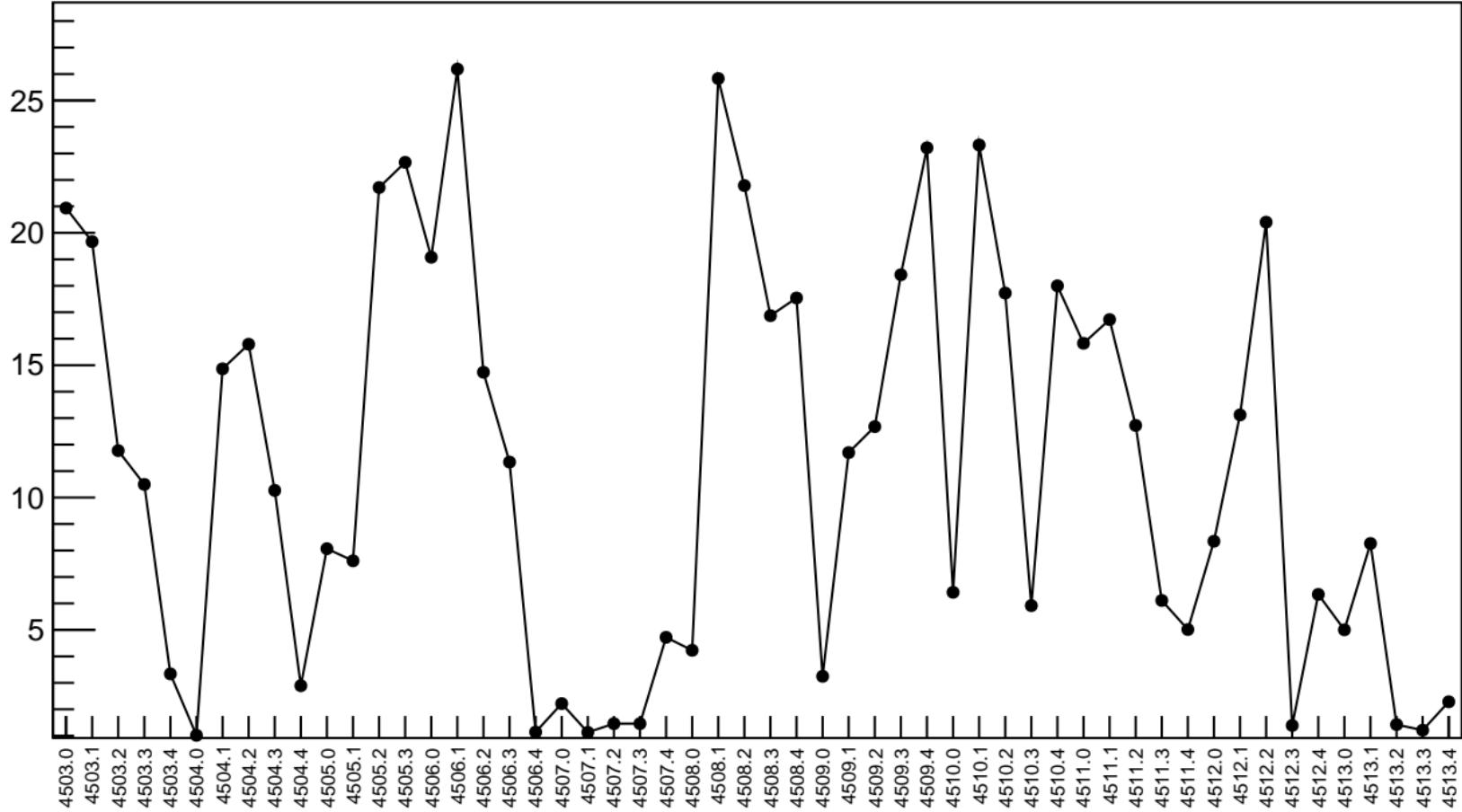


1D pull distribution

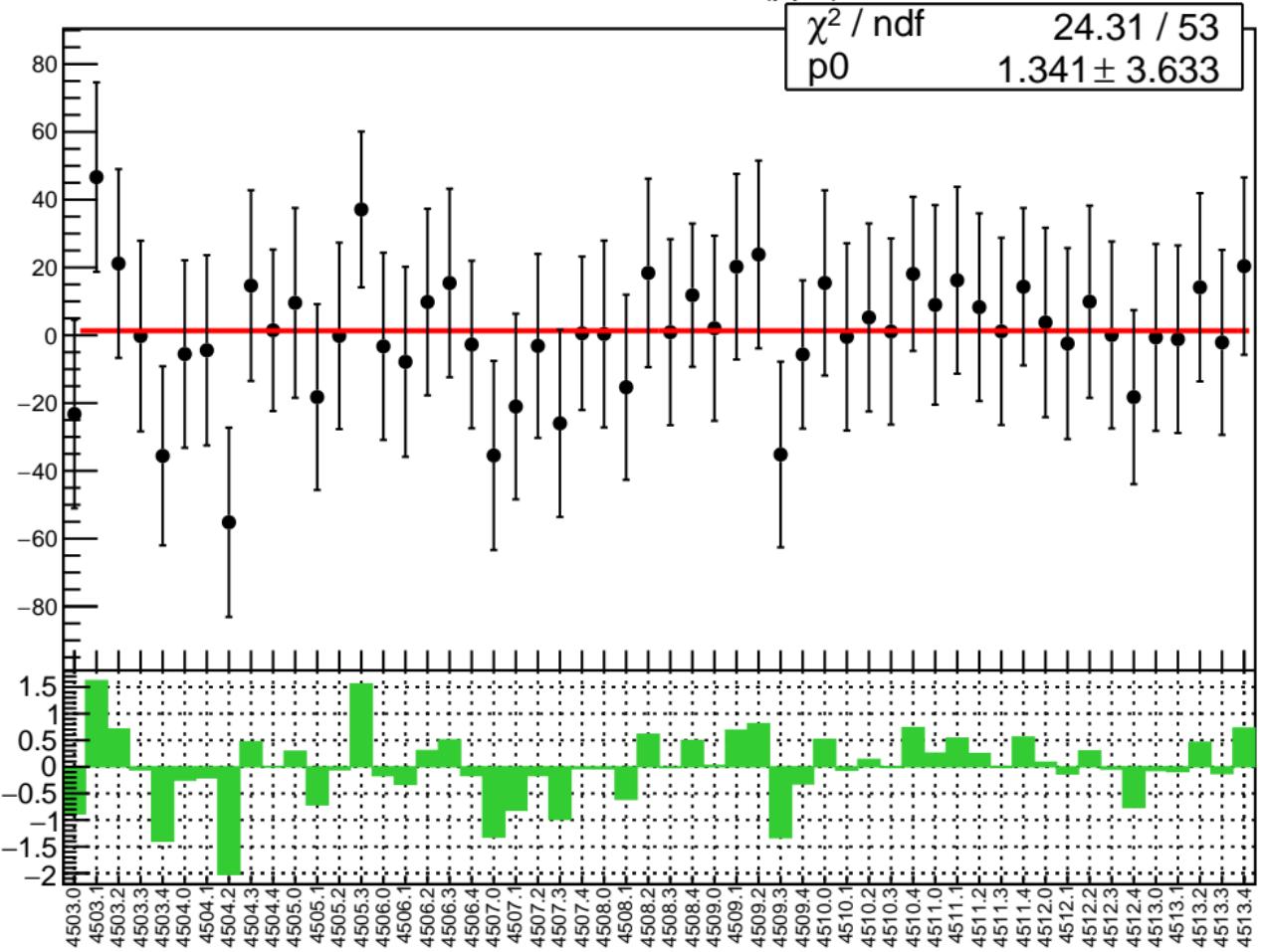


# corr\_us\_dd\_evMon7 RMS (ppm)

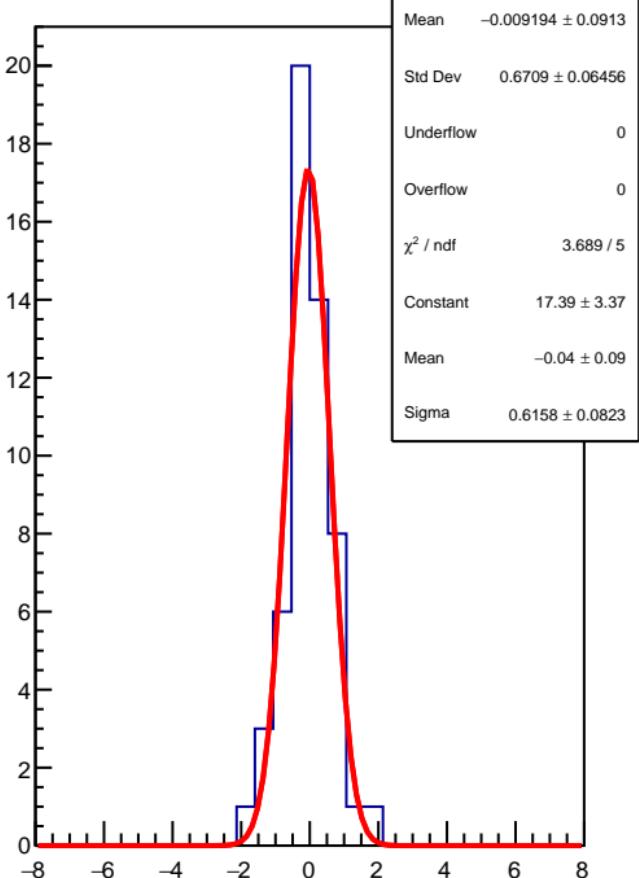
RMS (ppm)



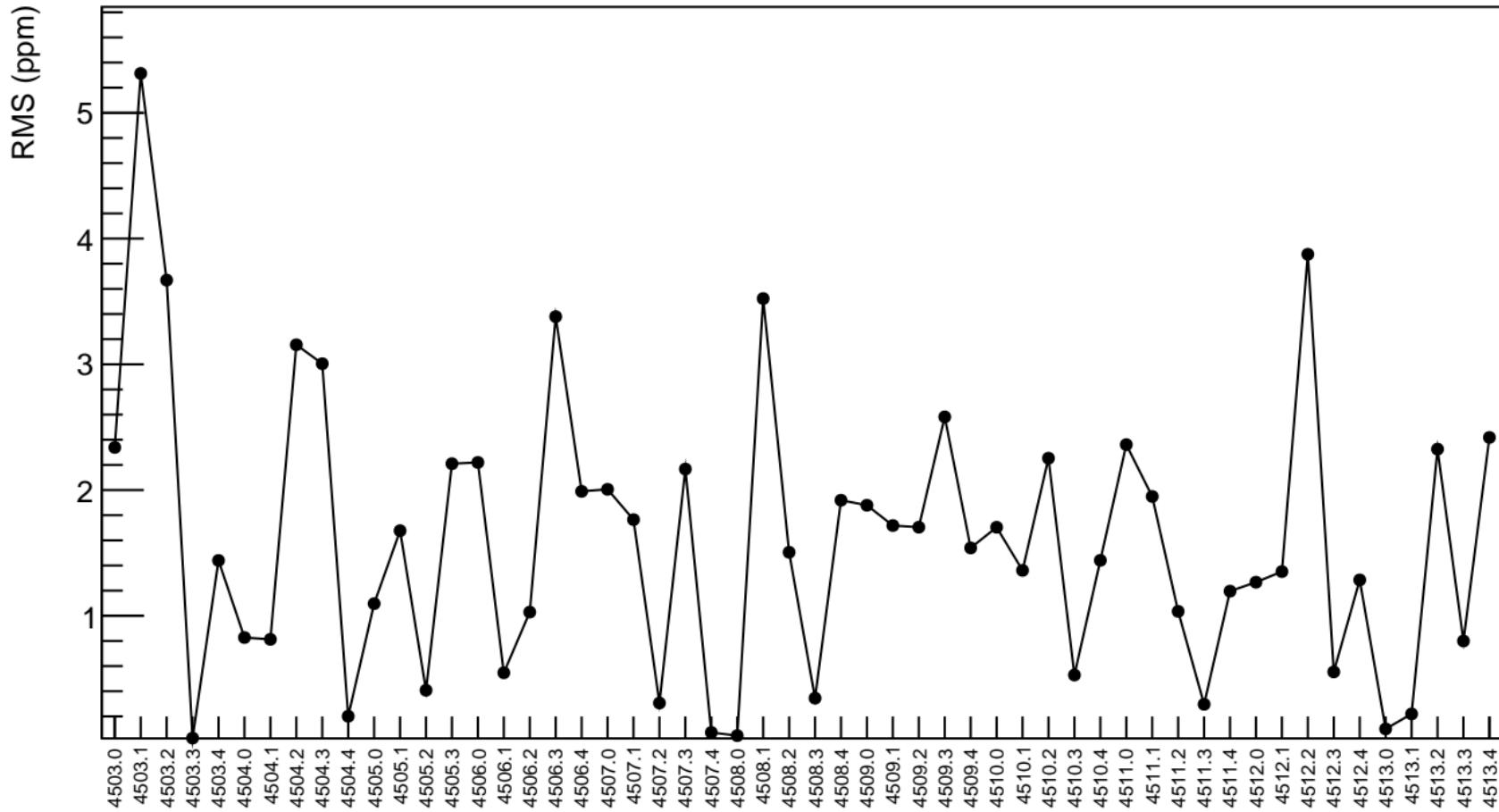
corr\_us\_dd\_evMon8 (ppb)



1D pull distribution

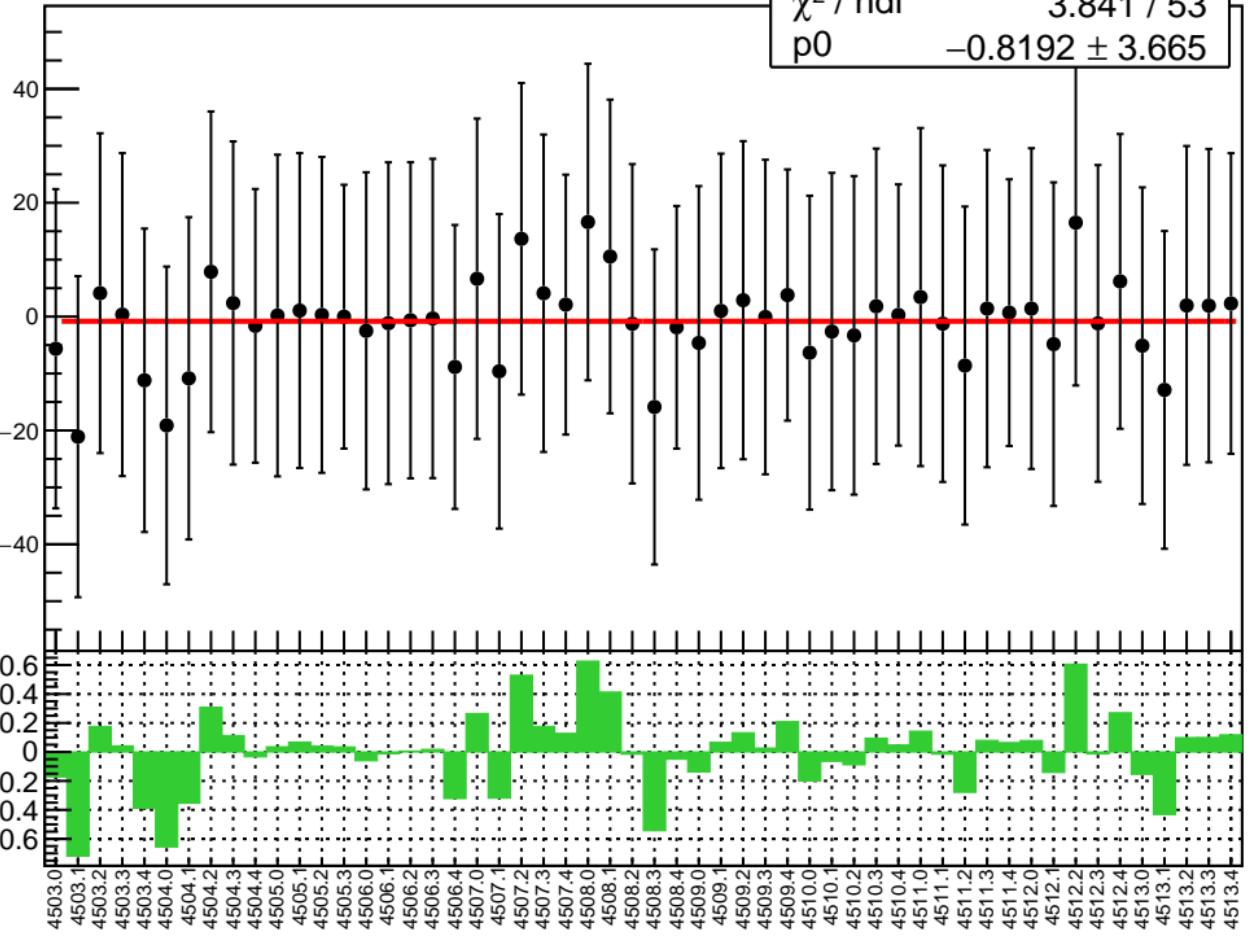


# corr\_us\_dd\_evMon8 RMS (ppm)

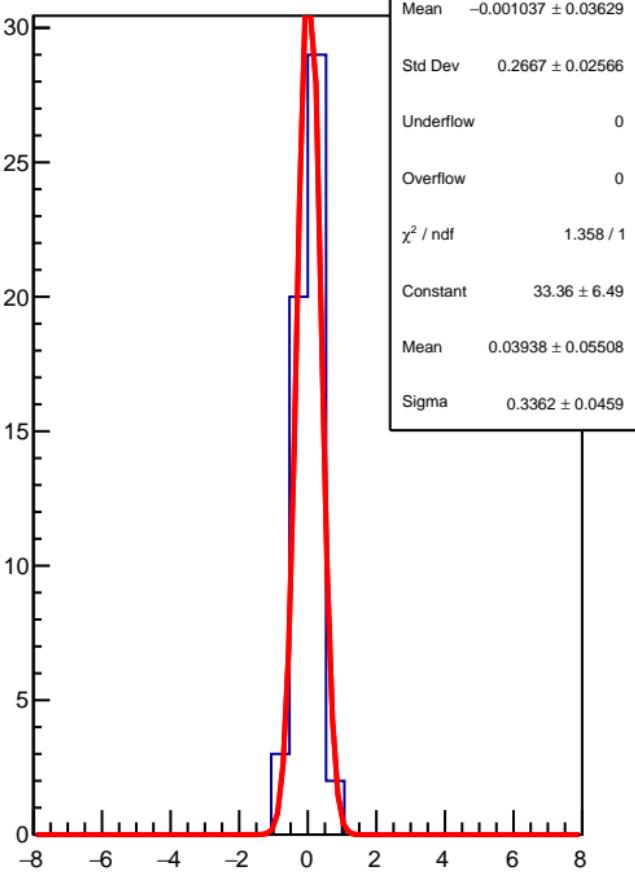


corr\_us\_dd\_evMon9 (ppb)

$\chi^2 / \text{ndf}$  3.841 / 53  
 $p_0$   $-0.8192 \pm 3.665$

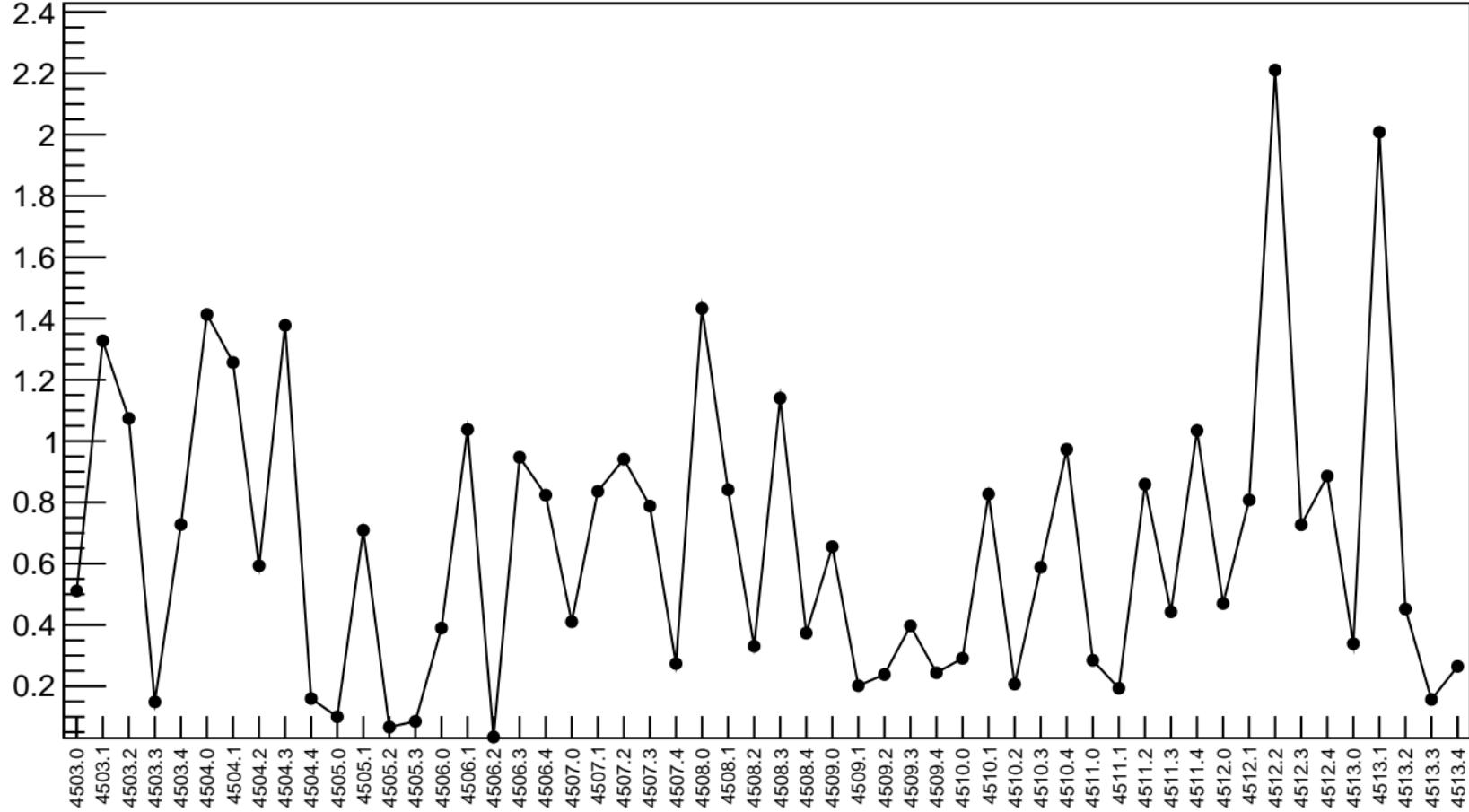


1D pull distribution

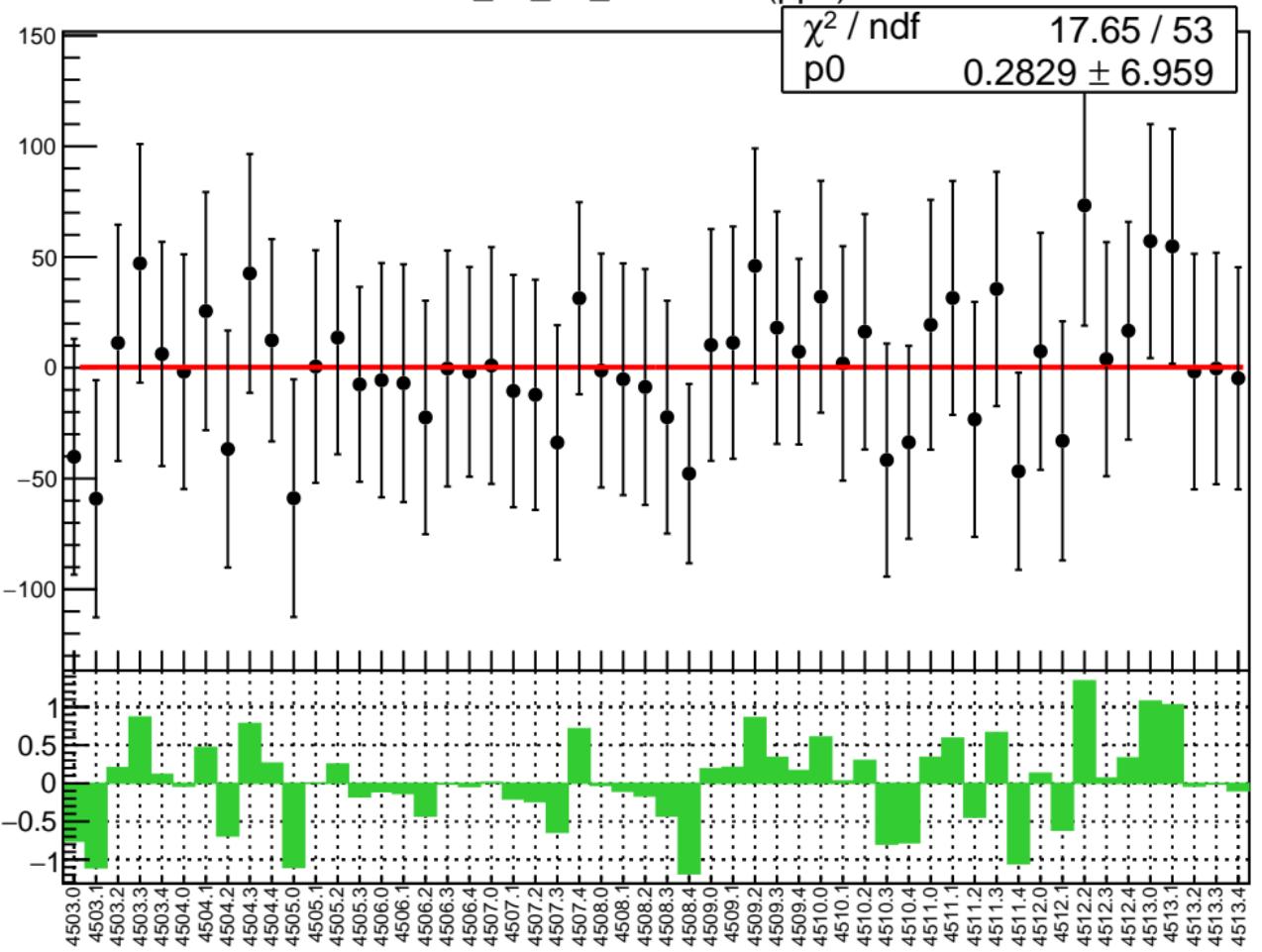


# corr\_us\_dd\_evMon9 RMS (ppm)

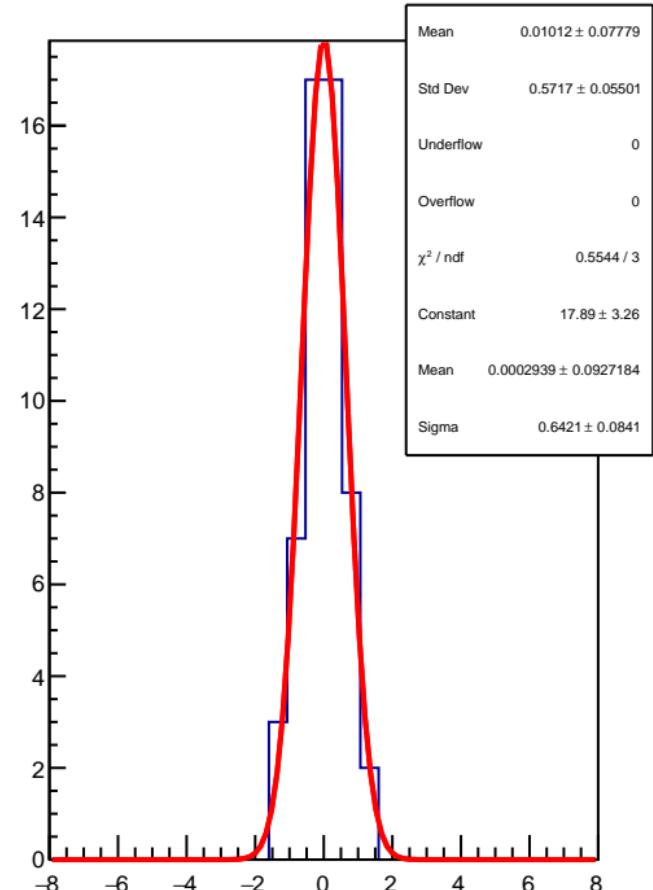
RMS (ppm)



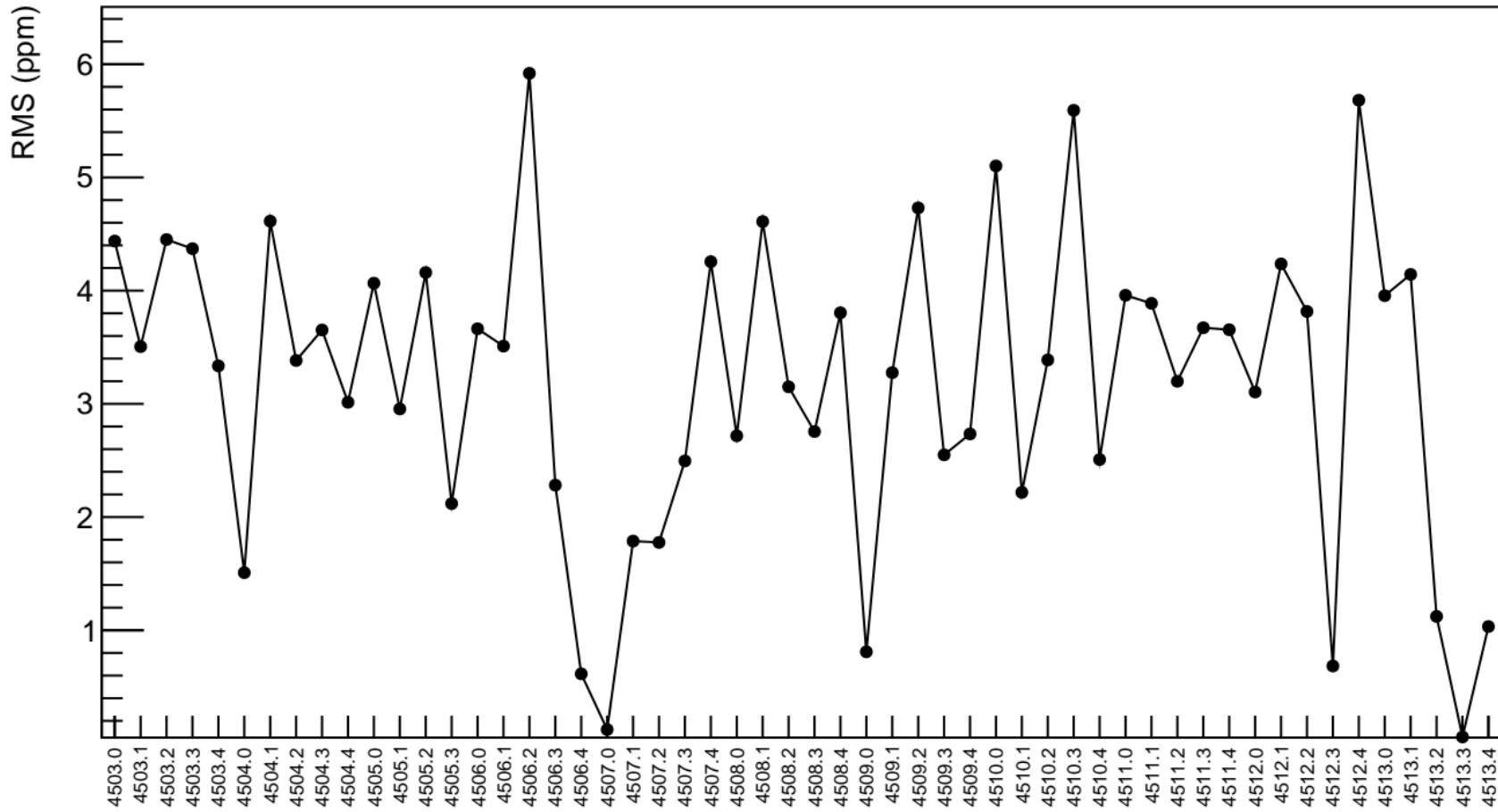
corr\_us\_dd\_evMon10 (ppb)



1D pull distribution

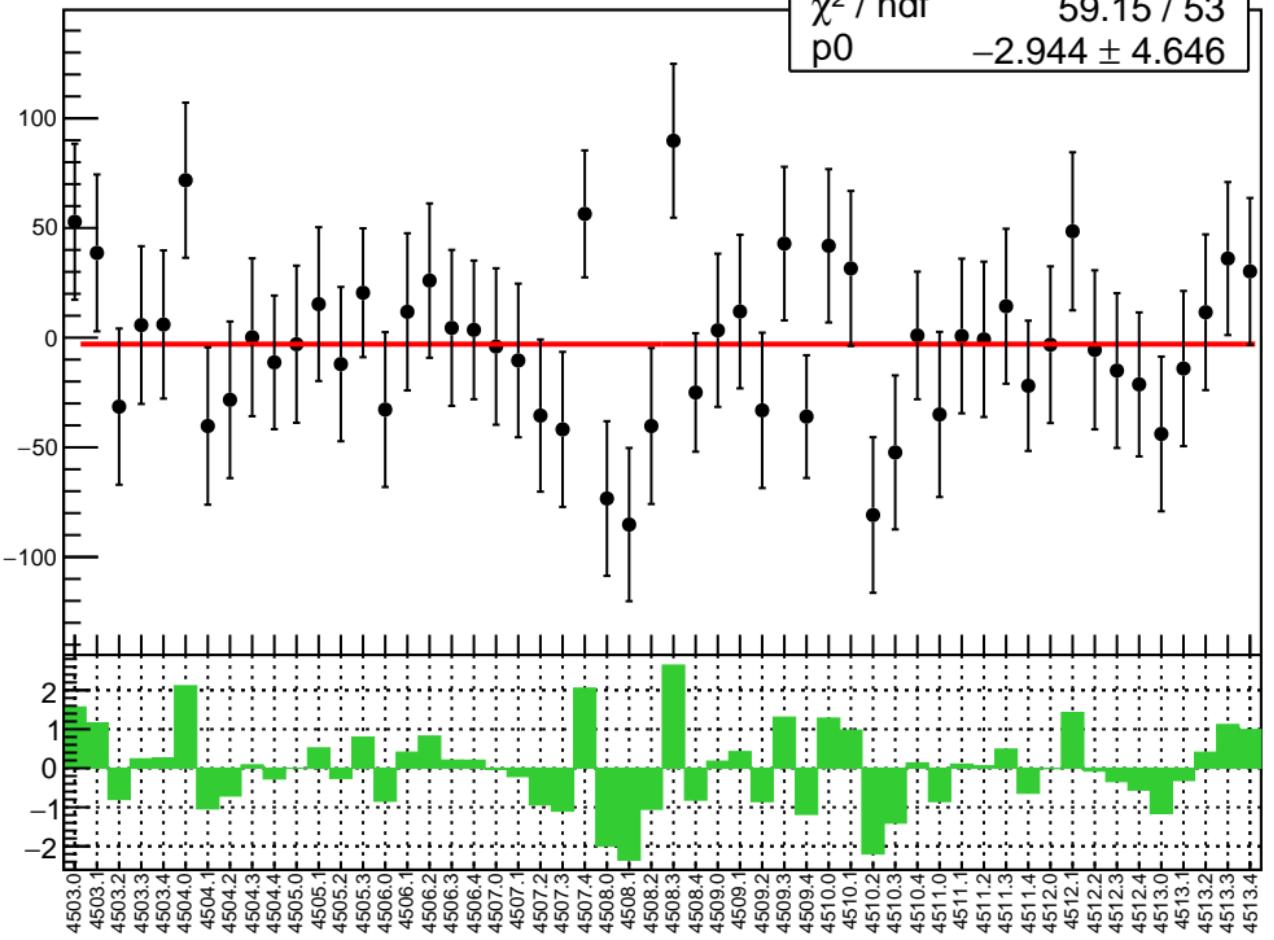


# corr\_us\_dd\_evMon10 RMS (ppm)

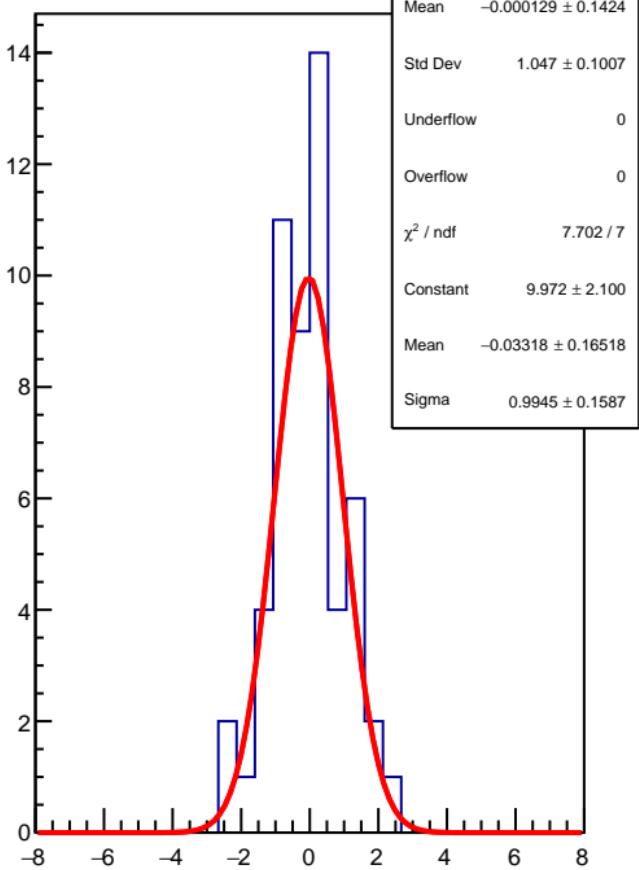


corr\_us\_dd\_evMon11 (ppb)

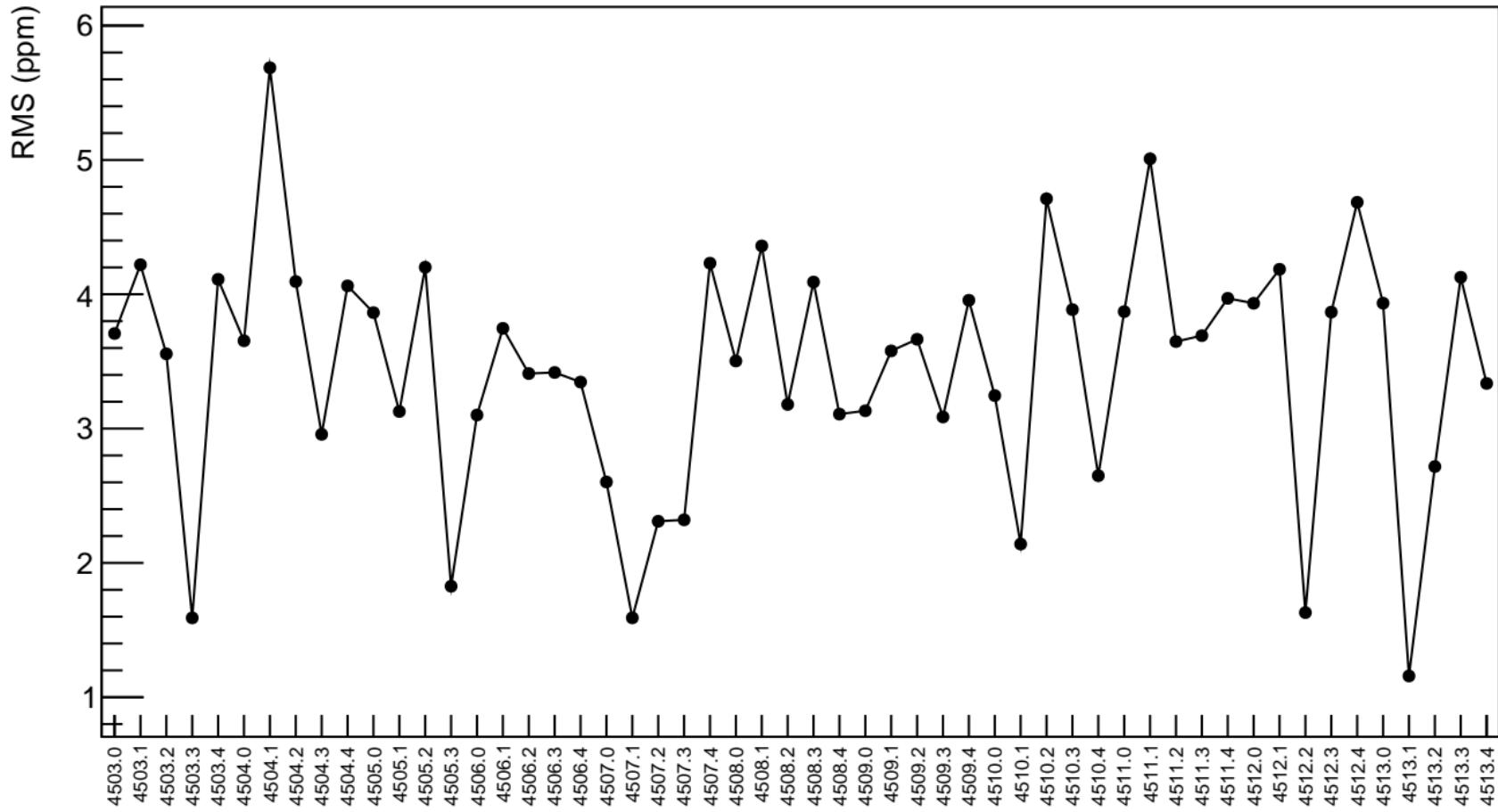
$\chi^2 / \text{ndf}$  59.15 / 53  
p0  $-2.944 \pm 4.646$



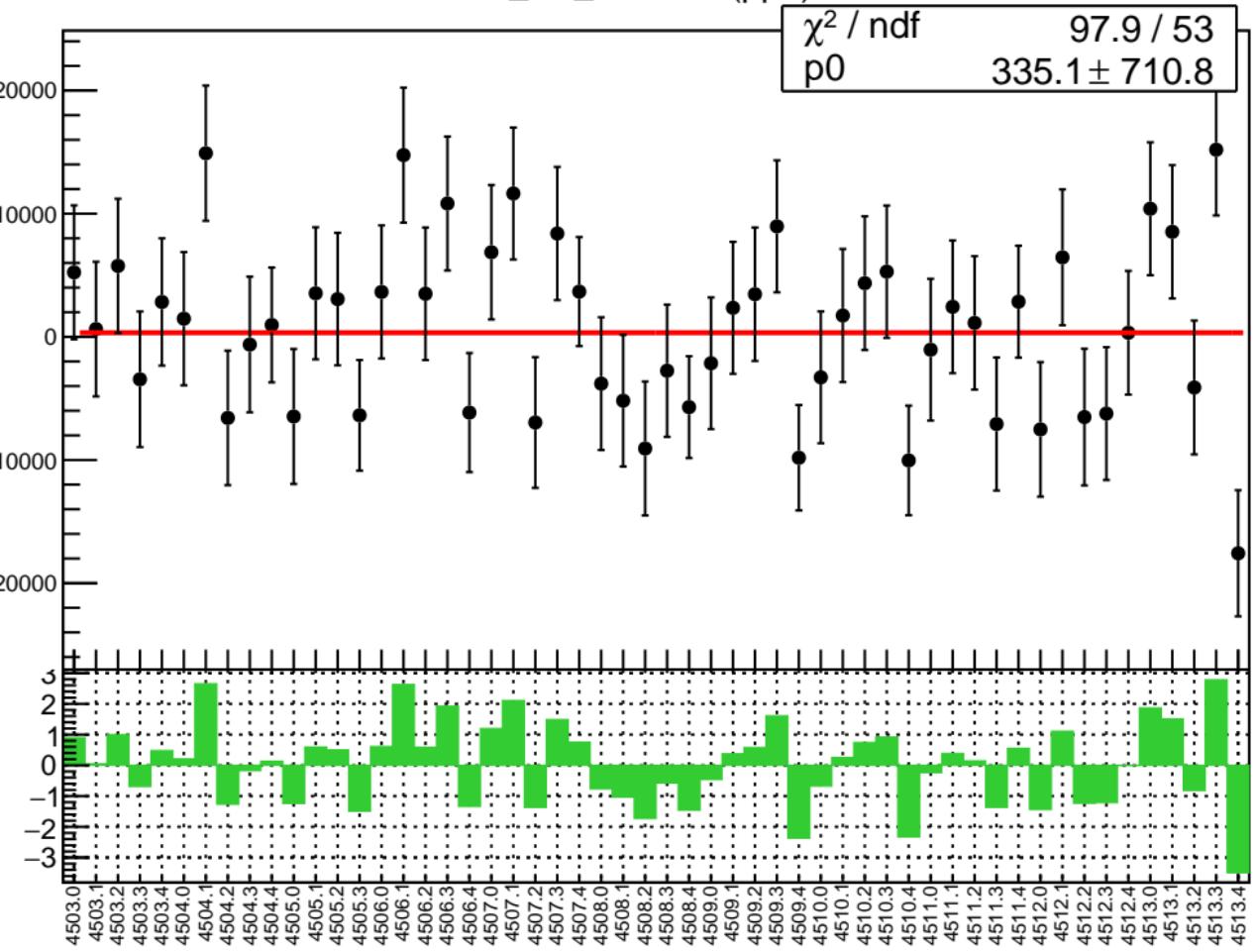
1D pull distribution



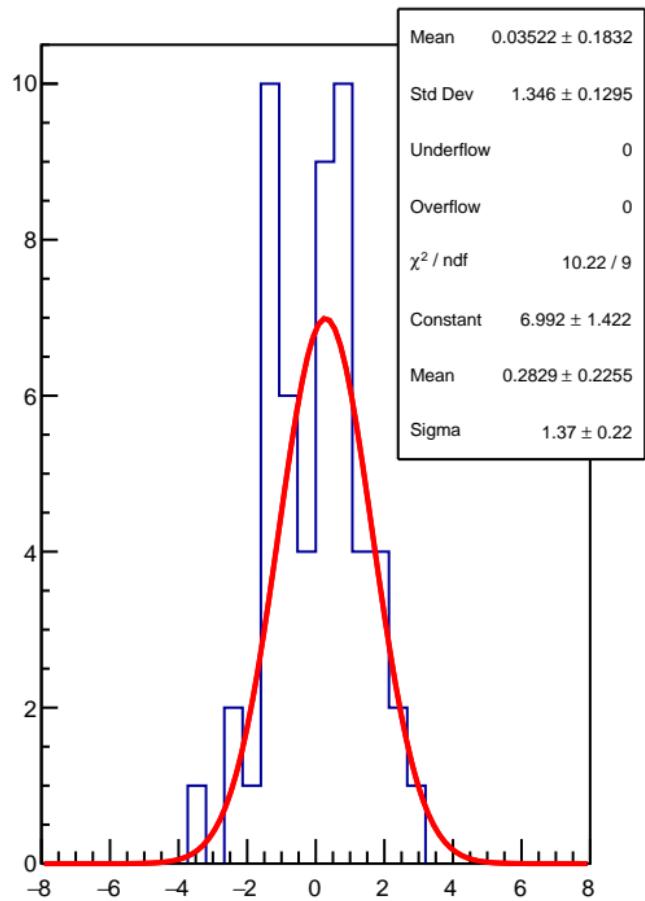
# corr\_us\_dd\_evMon11 RMS (ppm)



corr\_usl\_evMon0 (ppb)

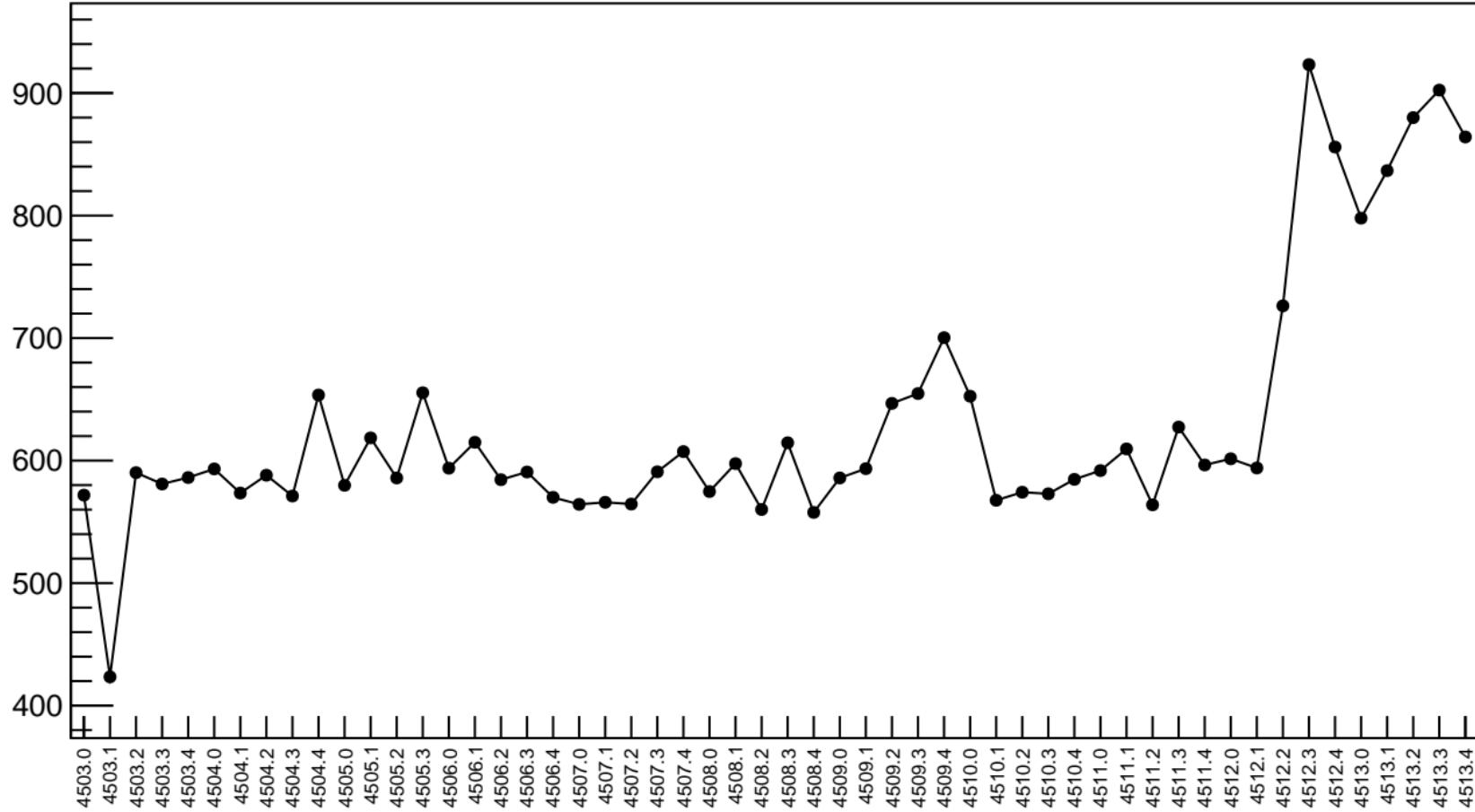


1D pull distribution

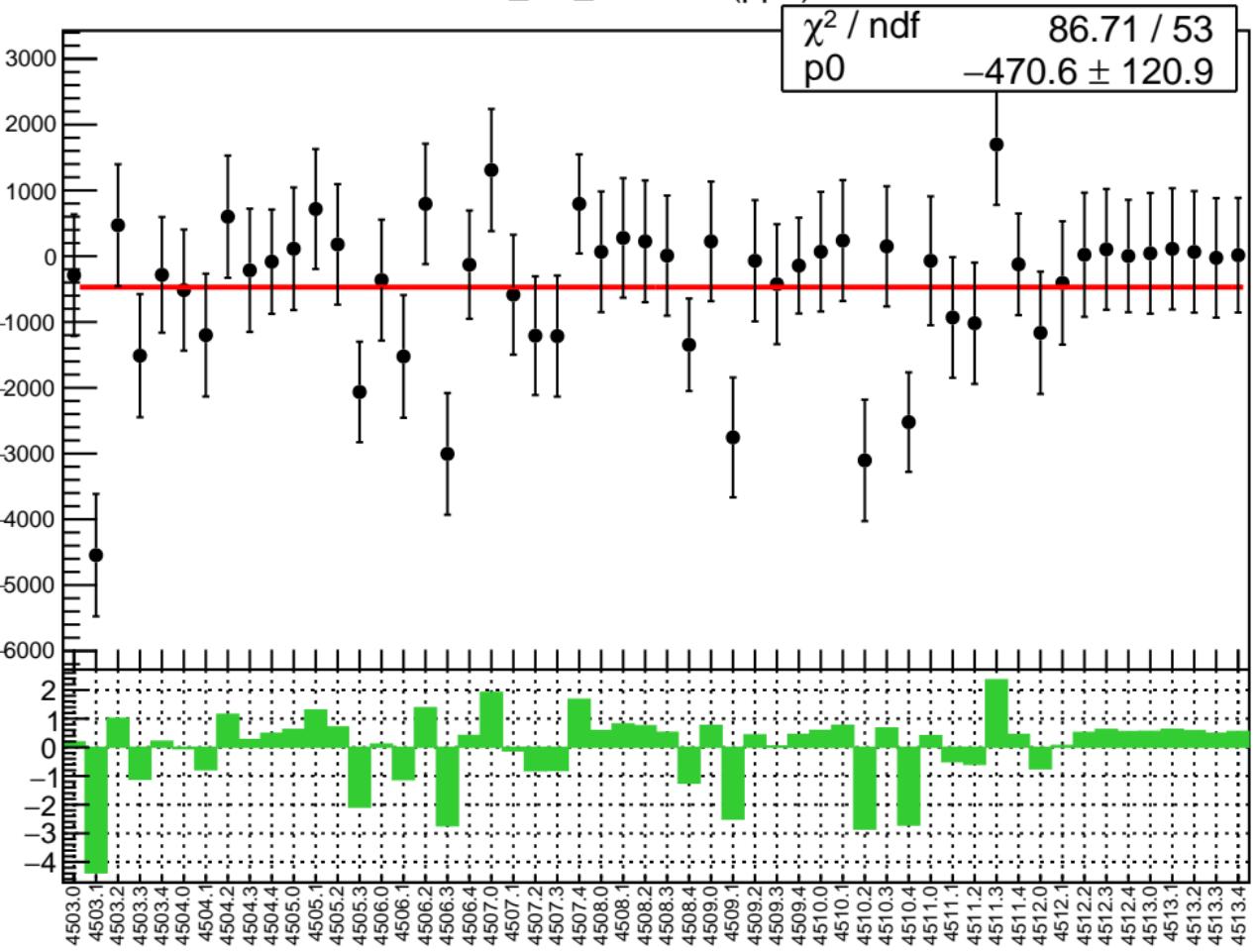


# corr\_usl\_evMon0 RMS (ppm)

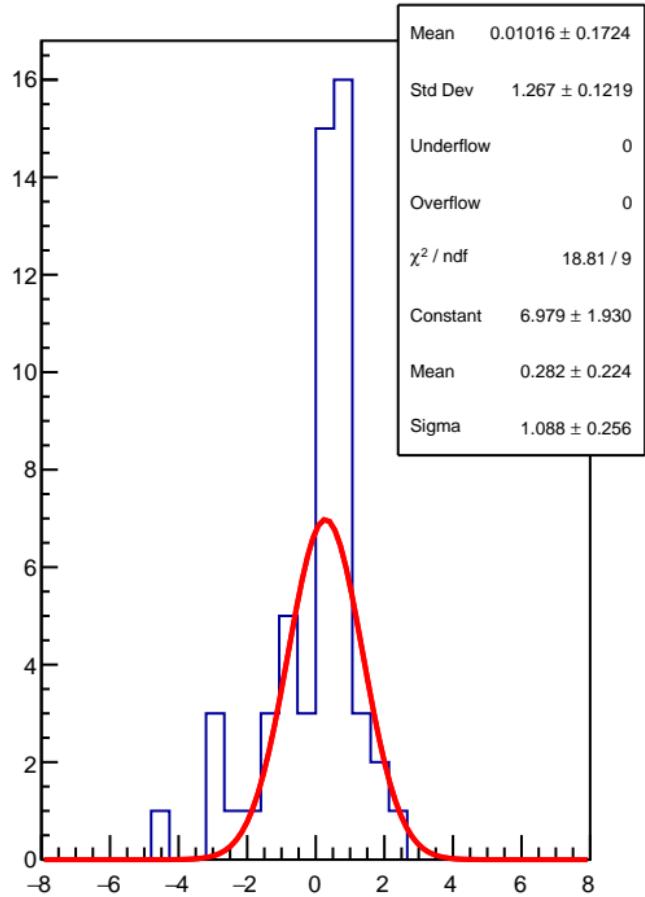
RMS (ppm)



corr\_usl\_evMon1 (ppb)

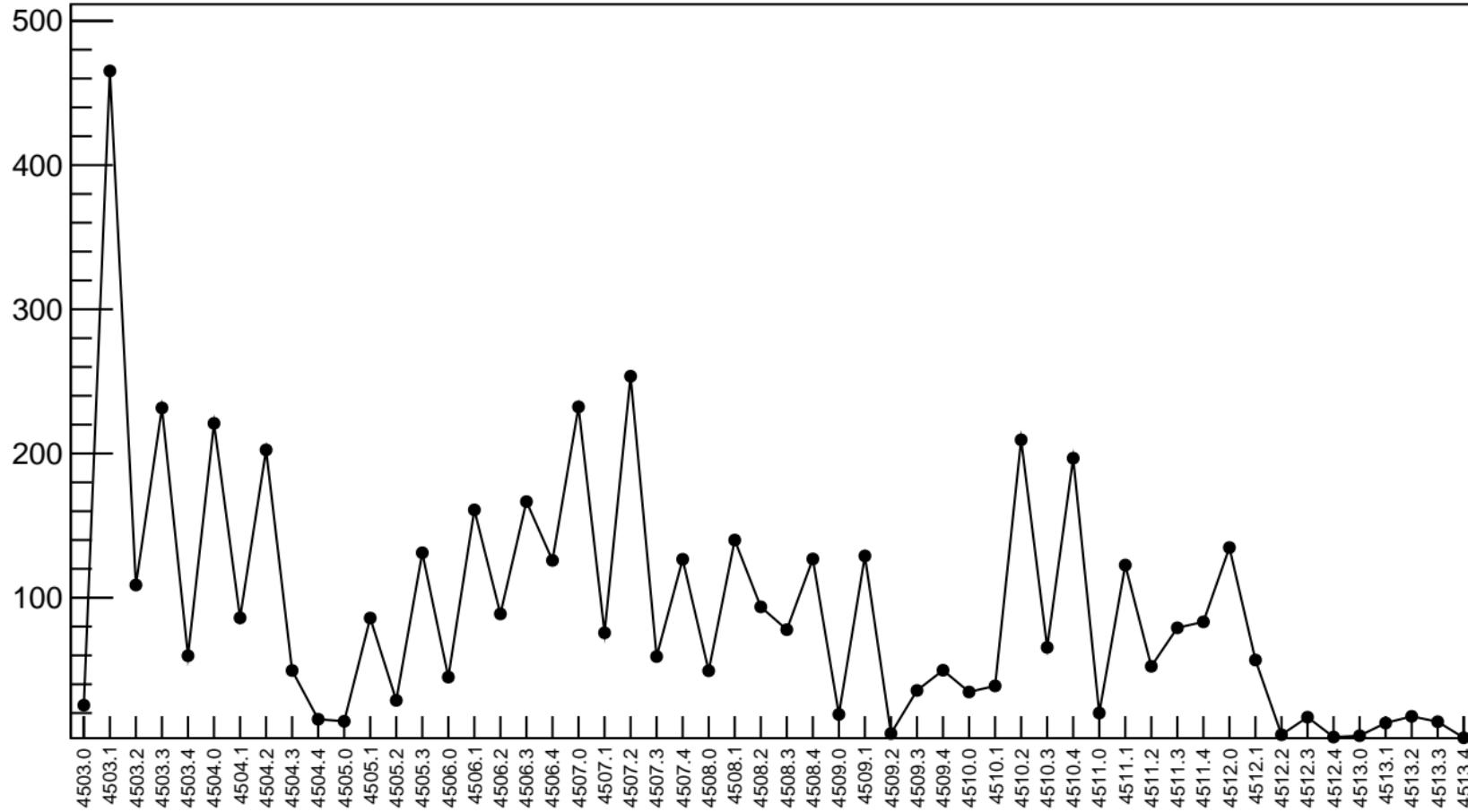


1D pull distribution

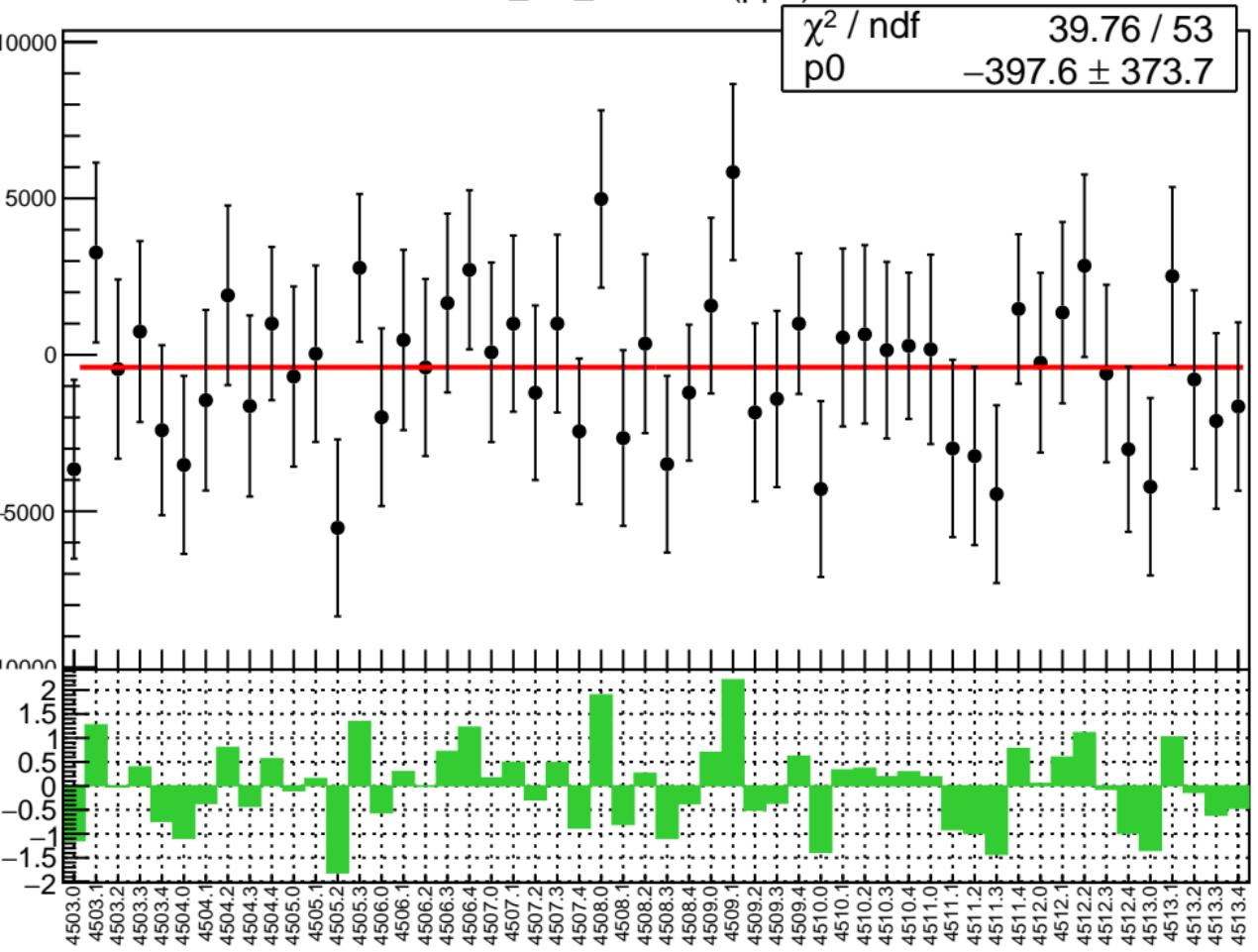


# corr\_usl\_evMon1 RMS (ppm)

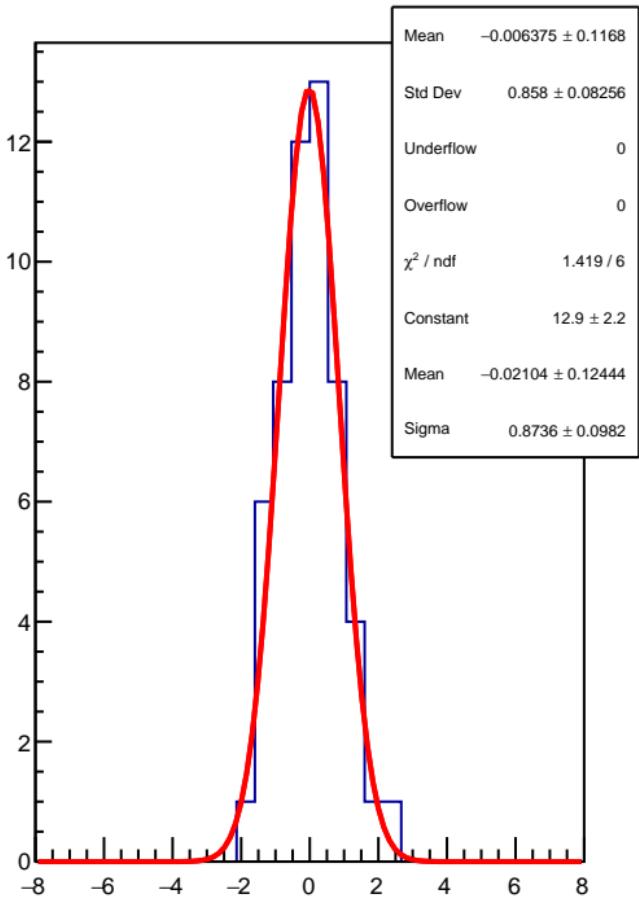
RMS (ppm)



corr\_usl\_evMon2 (ppb)

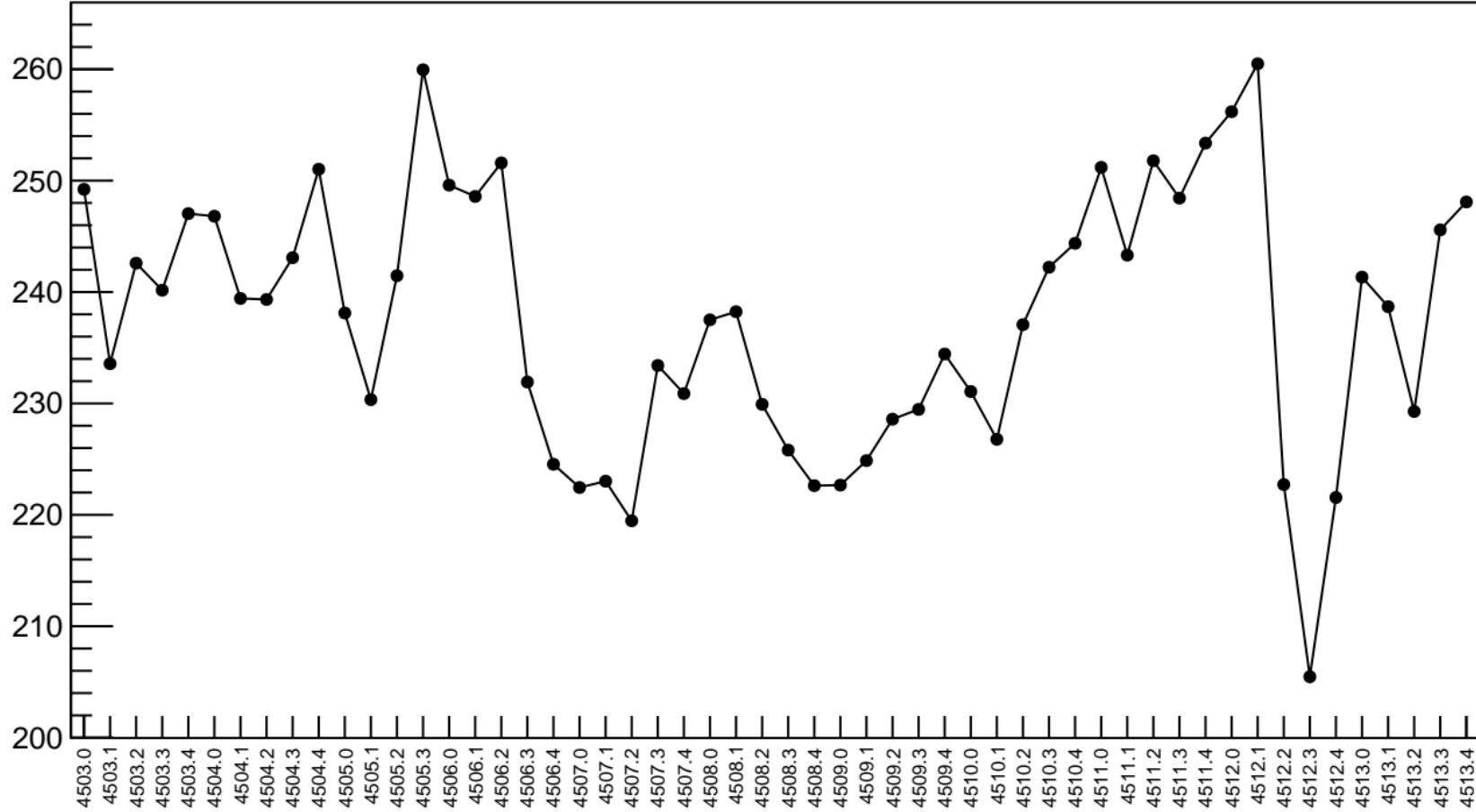


1D pull distribution

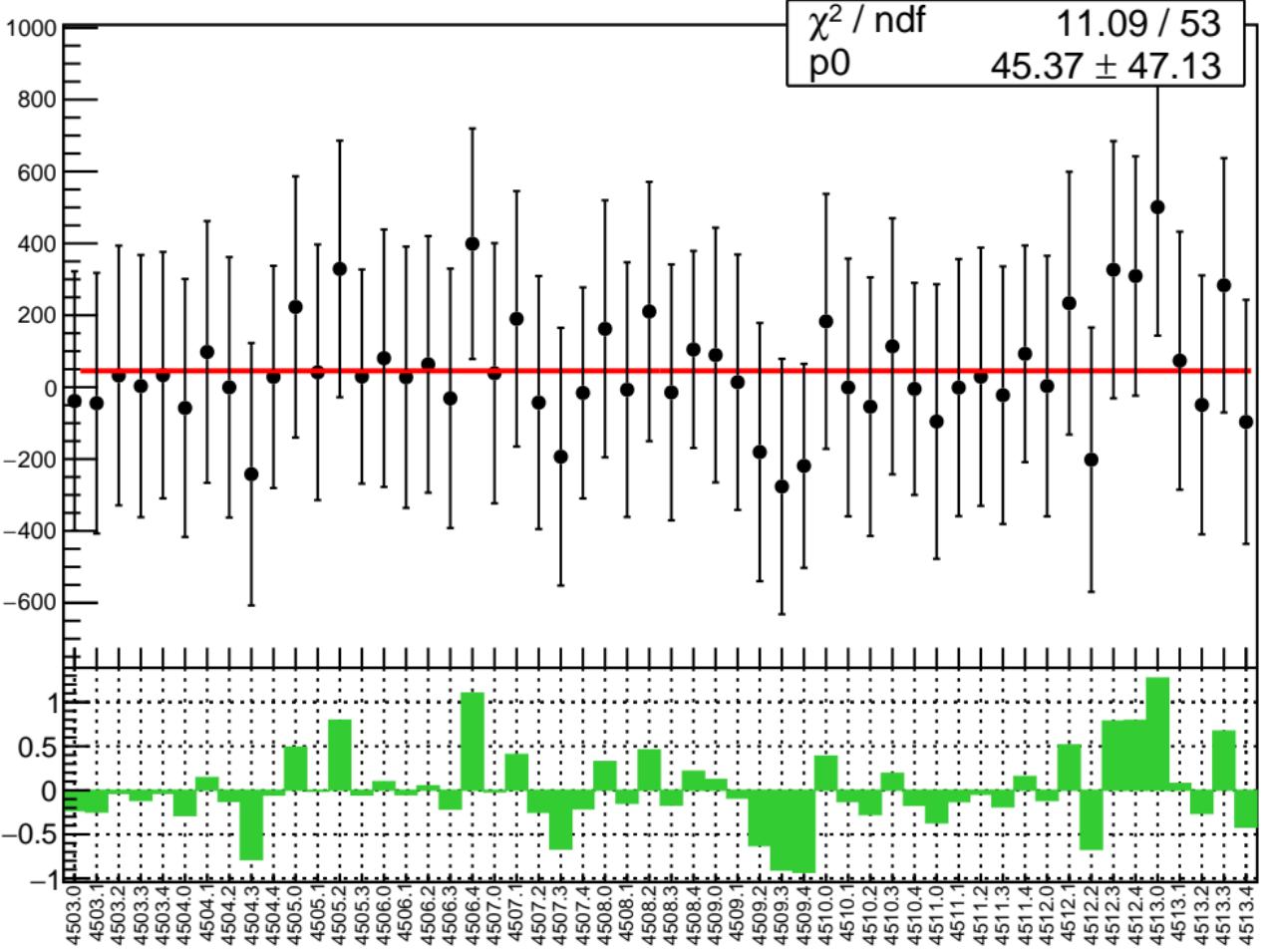


# corr\_usl\_evMon2 RMS (ppm)

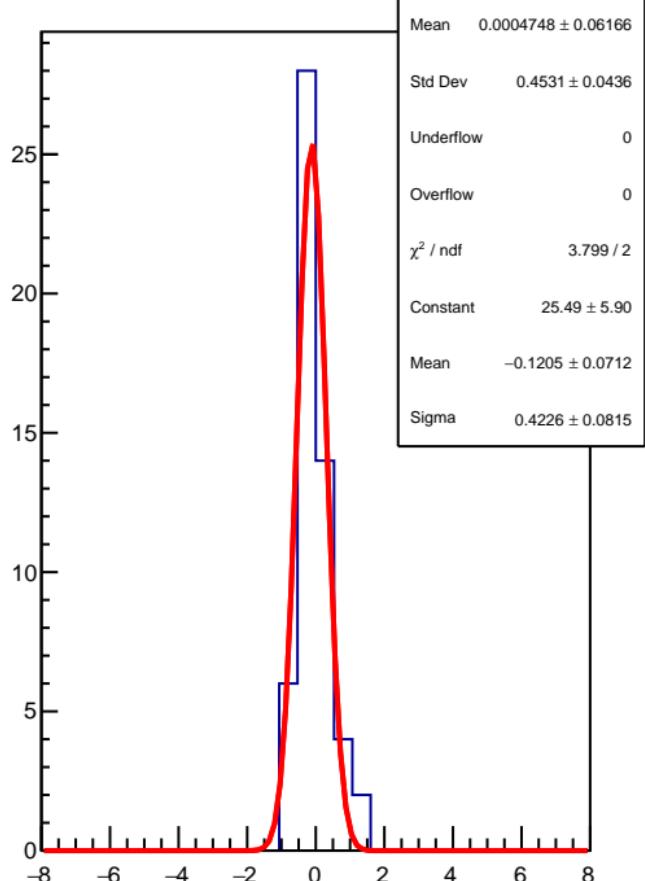
RMS (ppm)



# corr\_usl\_evMon3 (ppb)

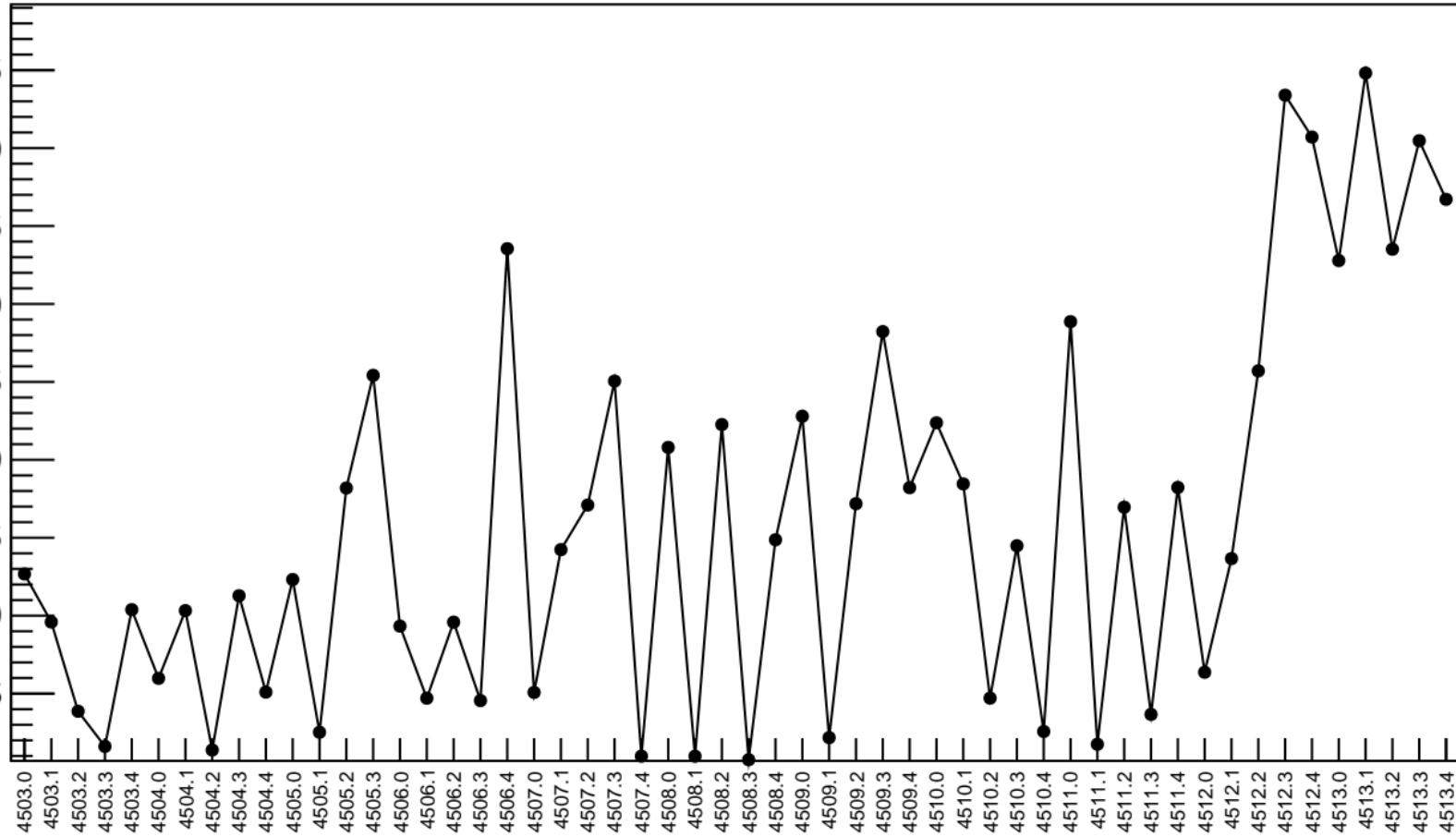


# 1D pull distribution

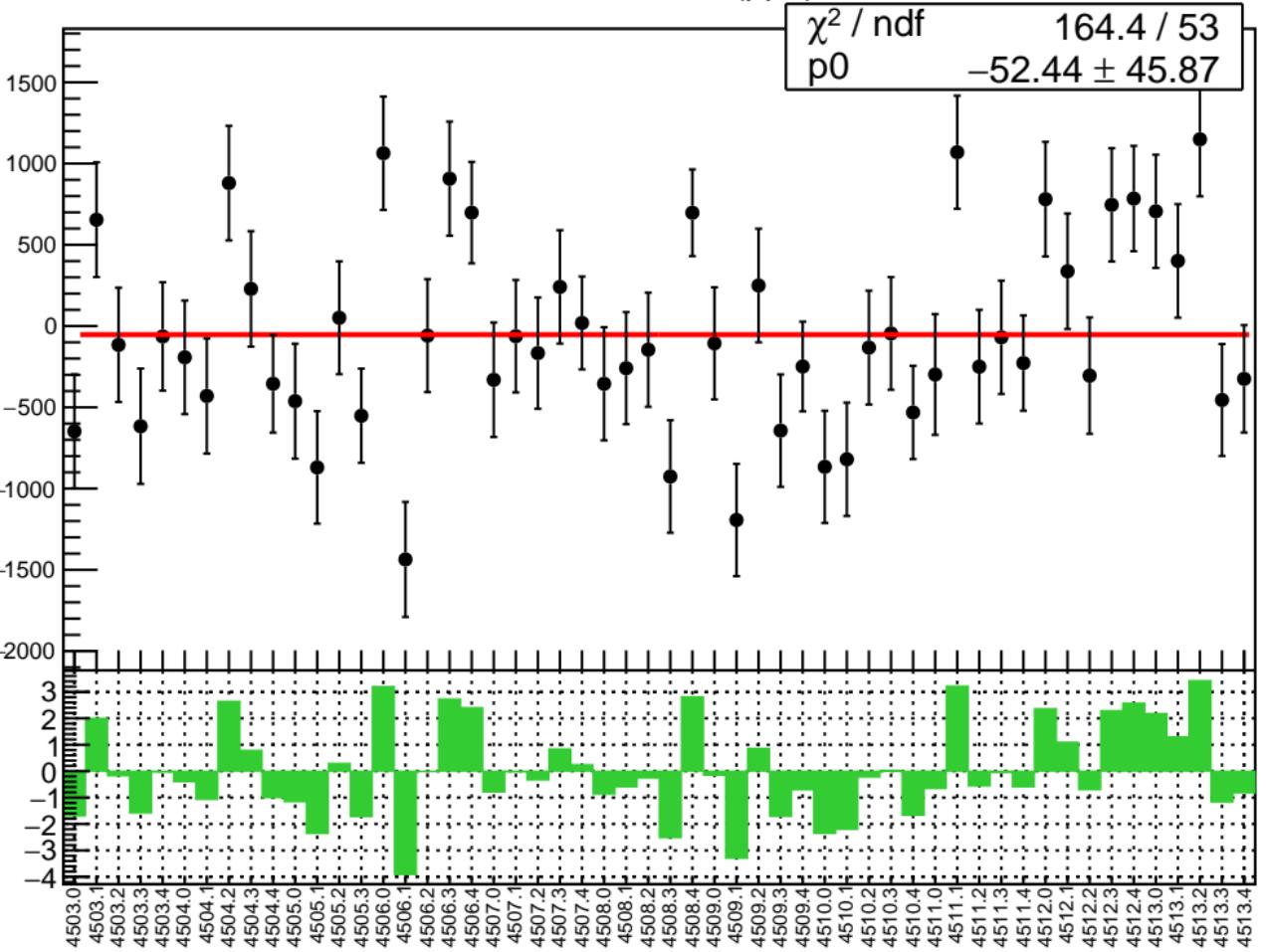


# corr\_usl\_evMon3 RMS (ppm)

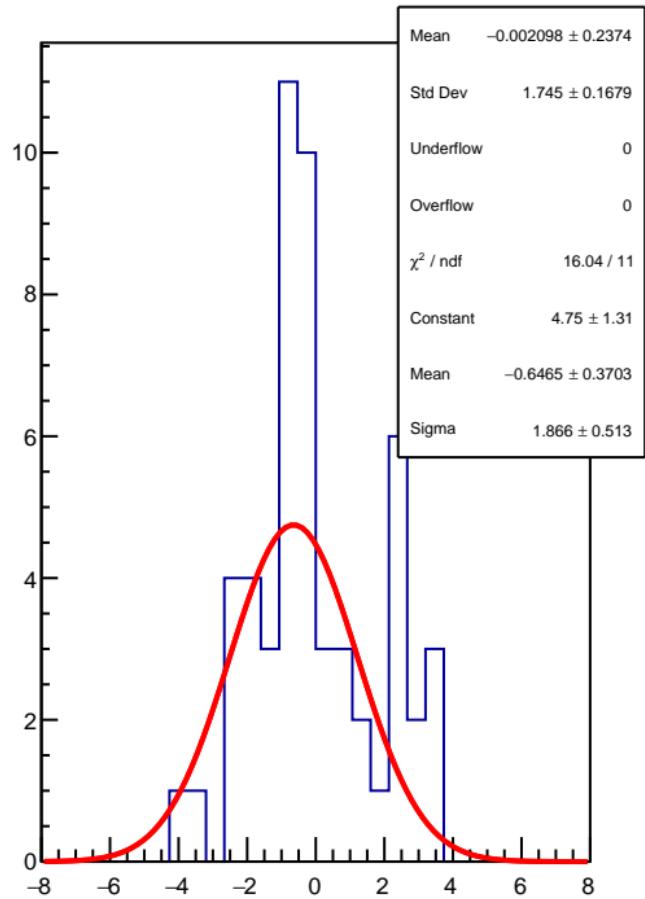
RMS (ppm)



corr\_usl\_evMon4 (ppb)

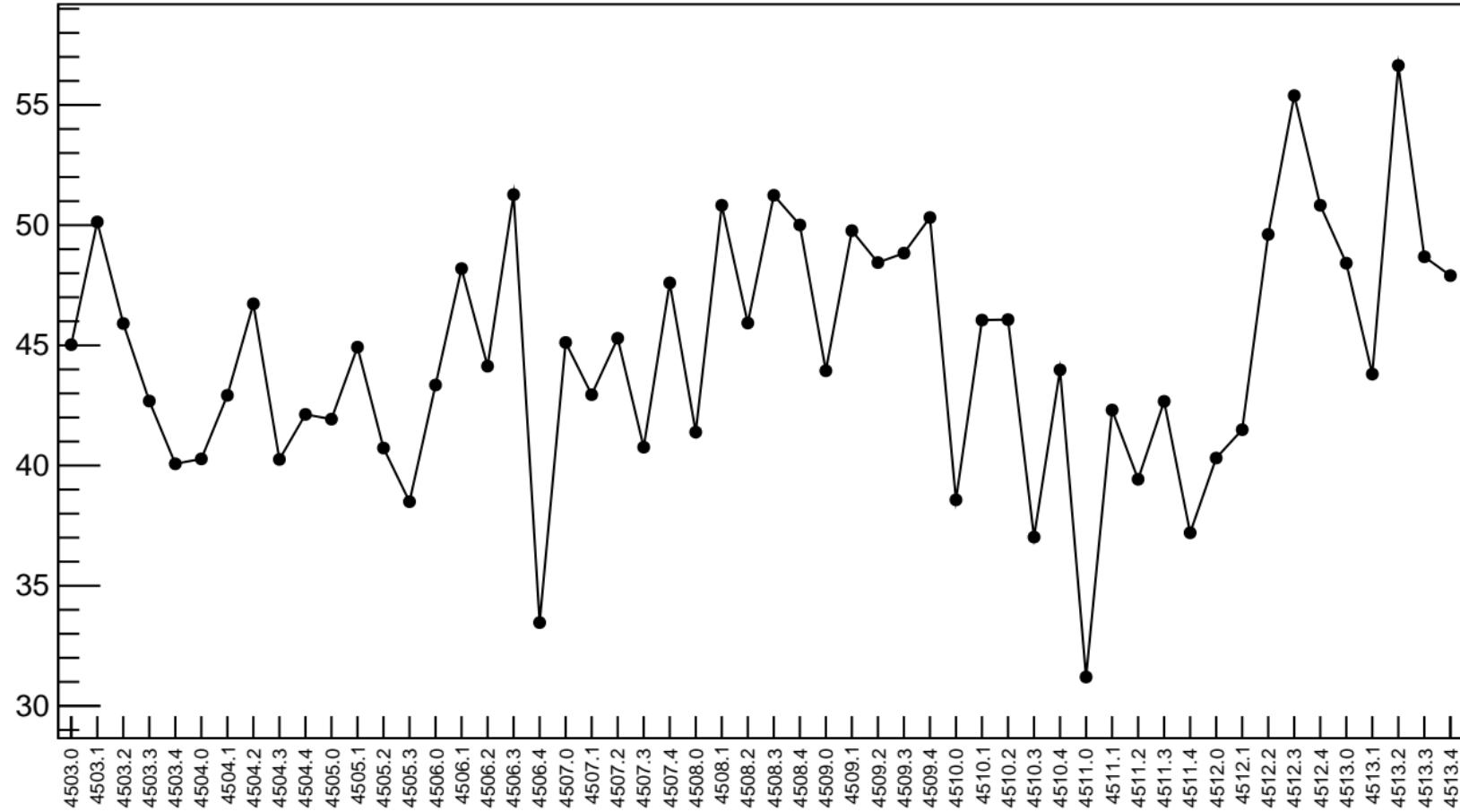


1D pull distribution

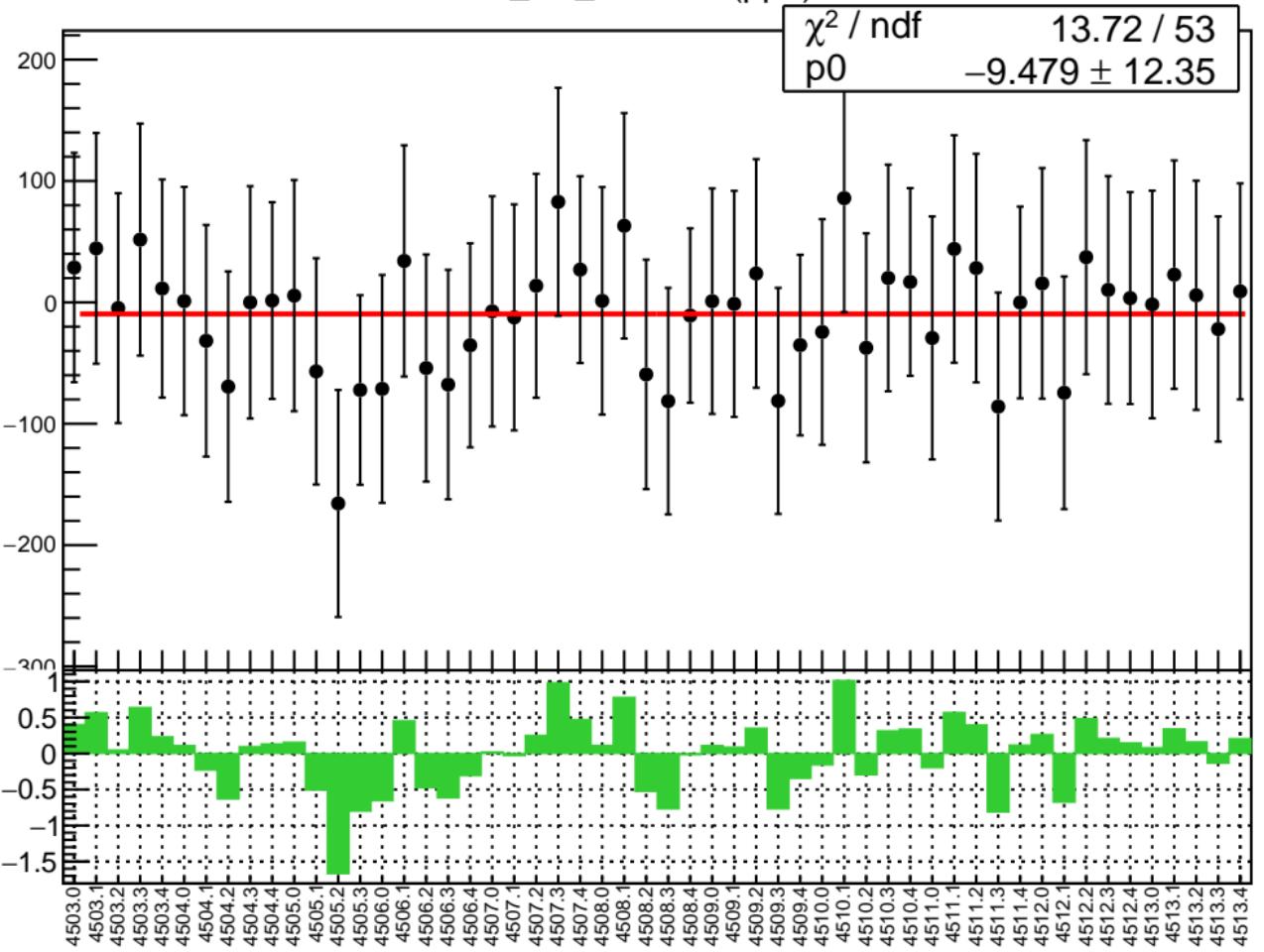


# corr\_usl\_evMon4 RMS (ppm)

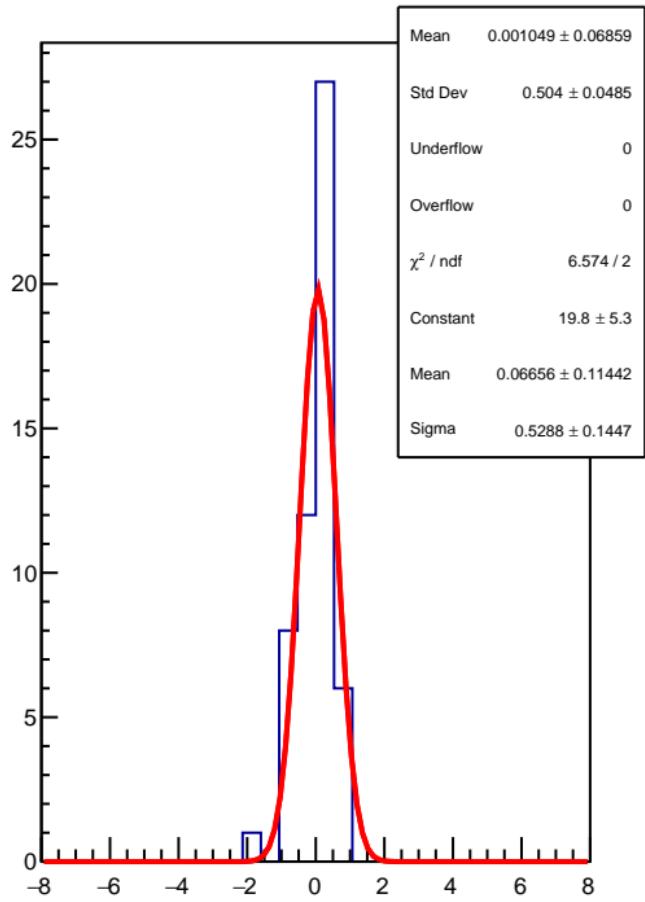
RMS (ppm)



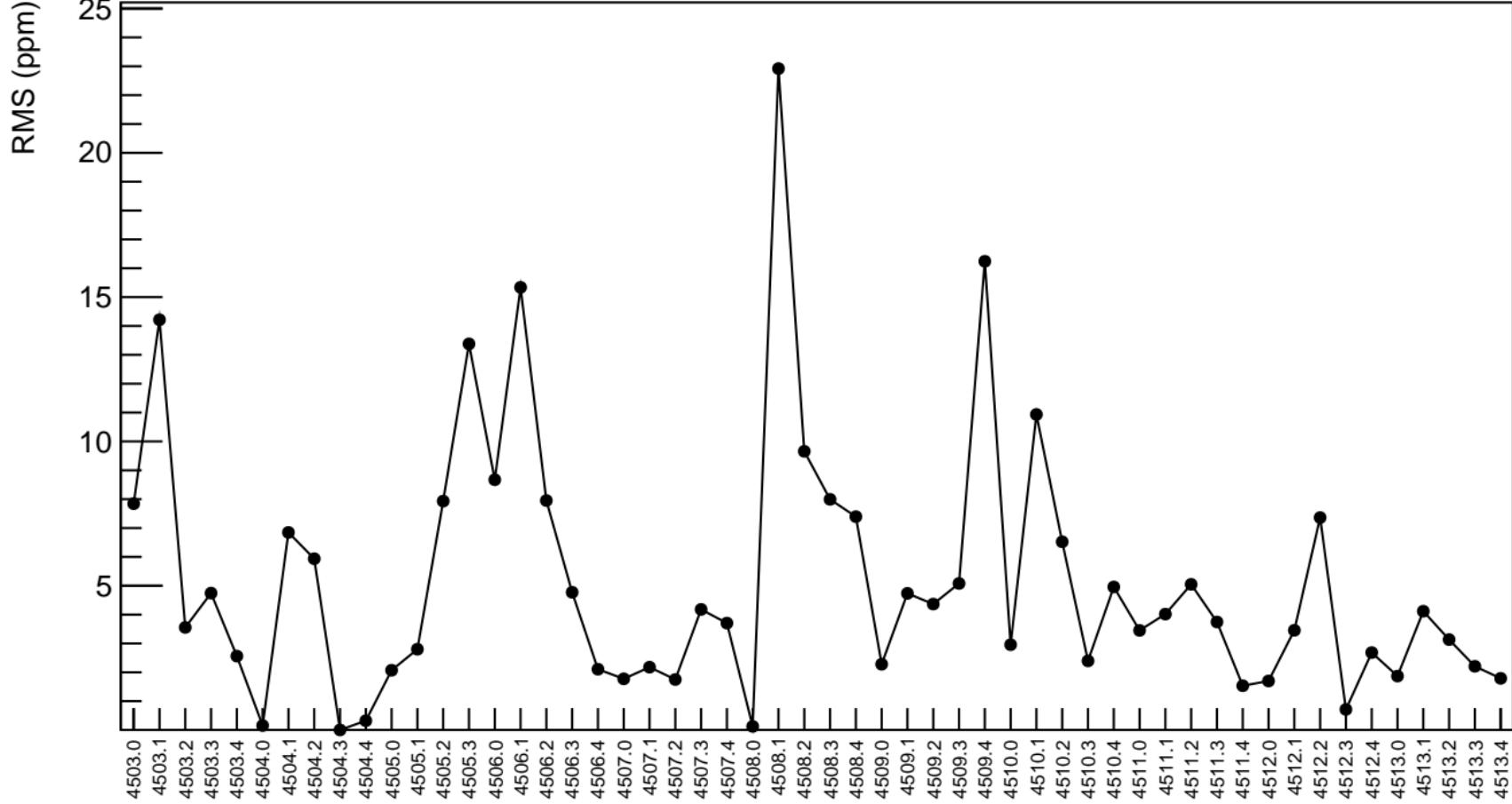
corr\_usl\_evMon5 (ppb)



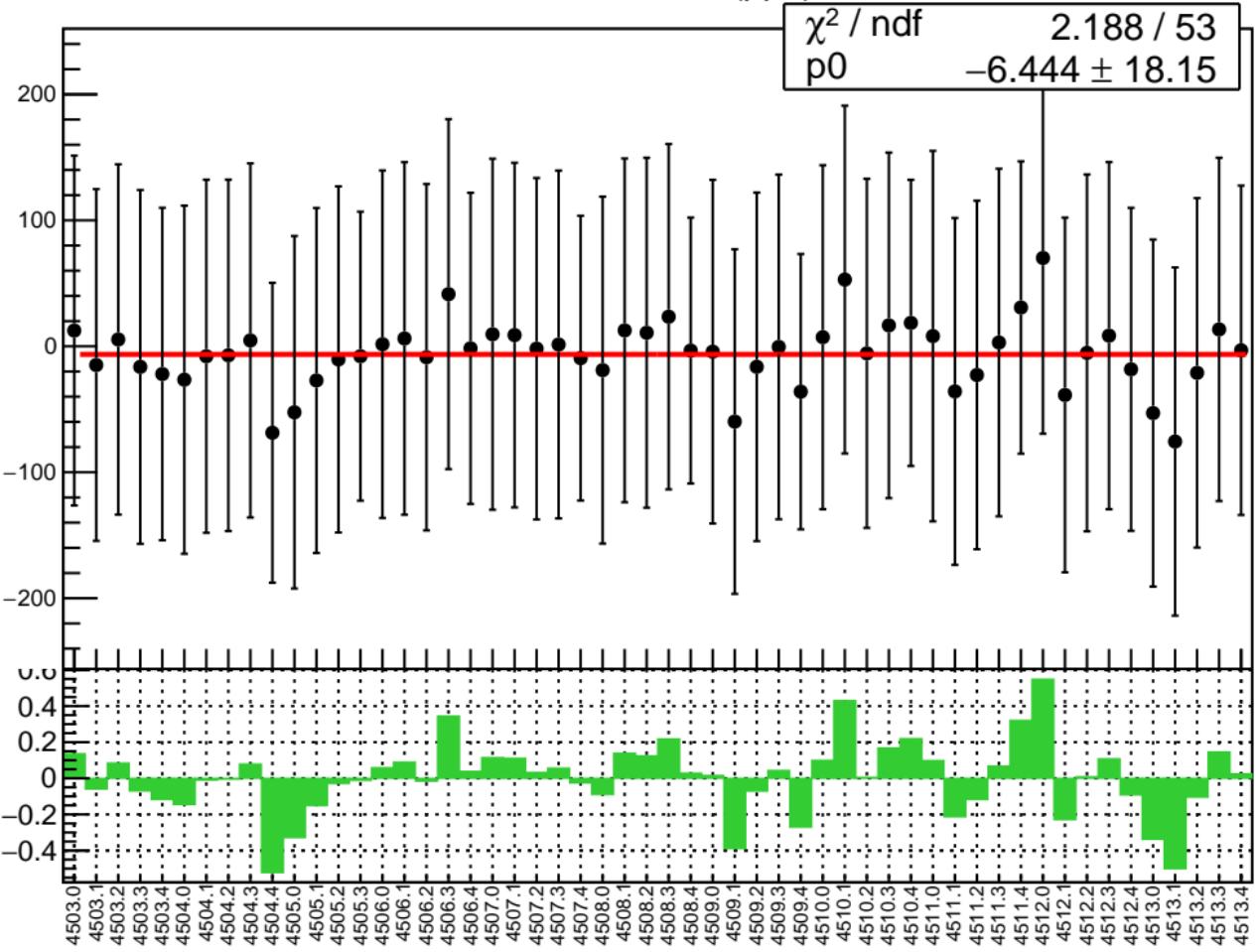
1D pull distribution



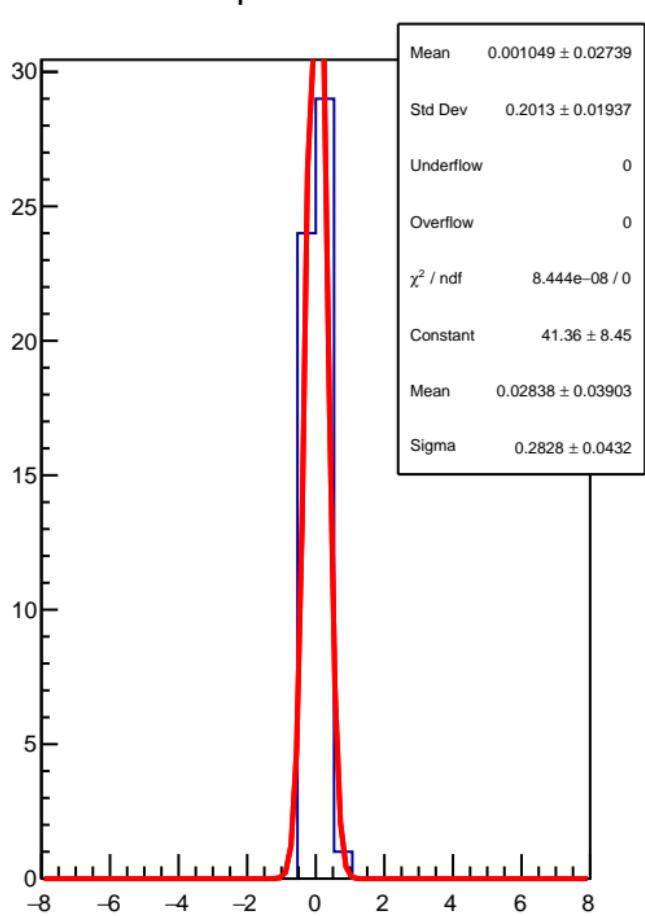
# corr\_usl\_evMon5 RMS (ppm)



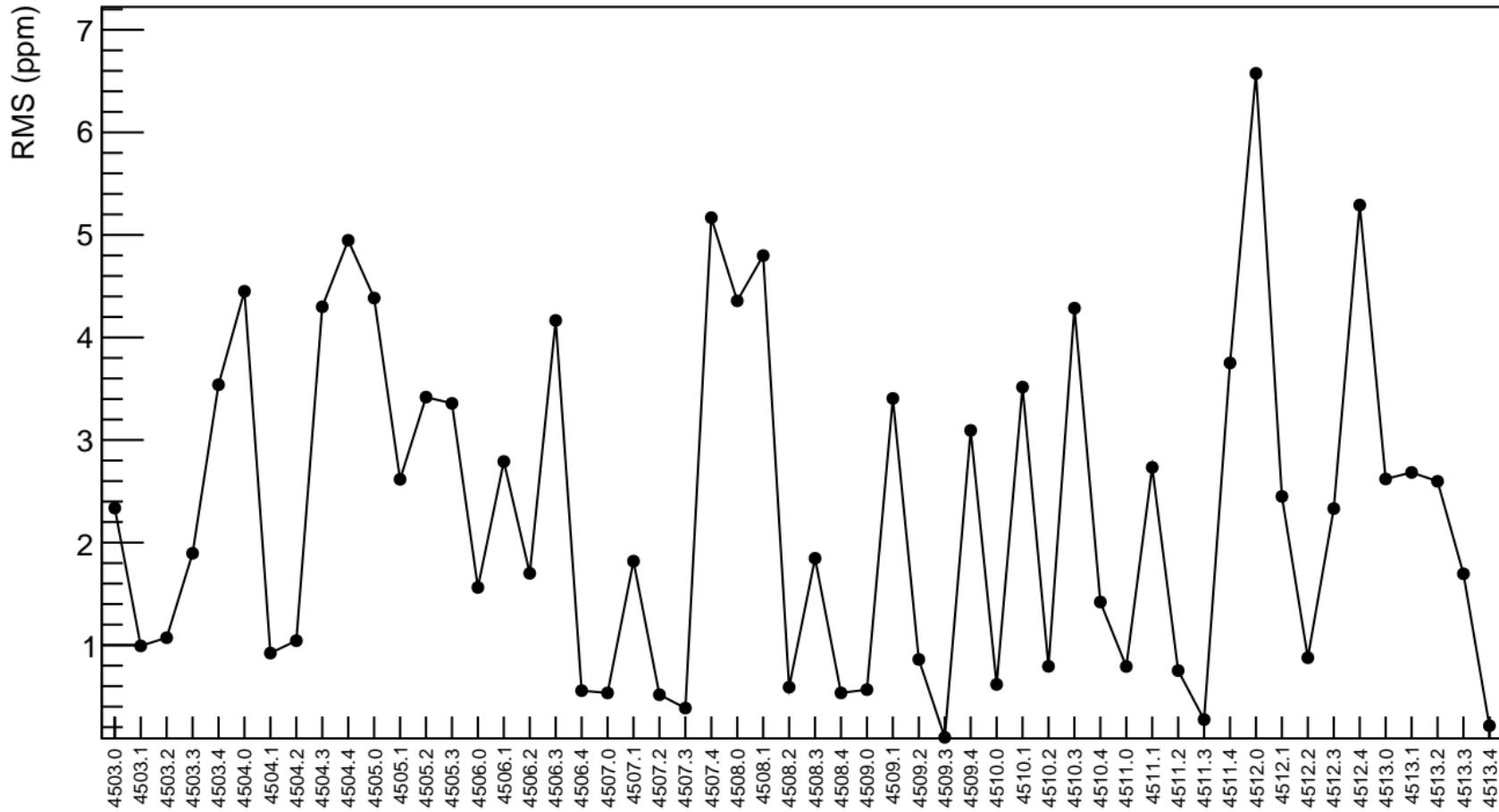
corr\_usl\_evMon6 (ppb)



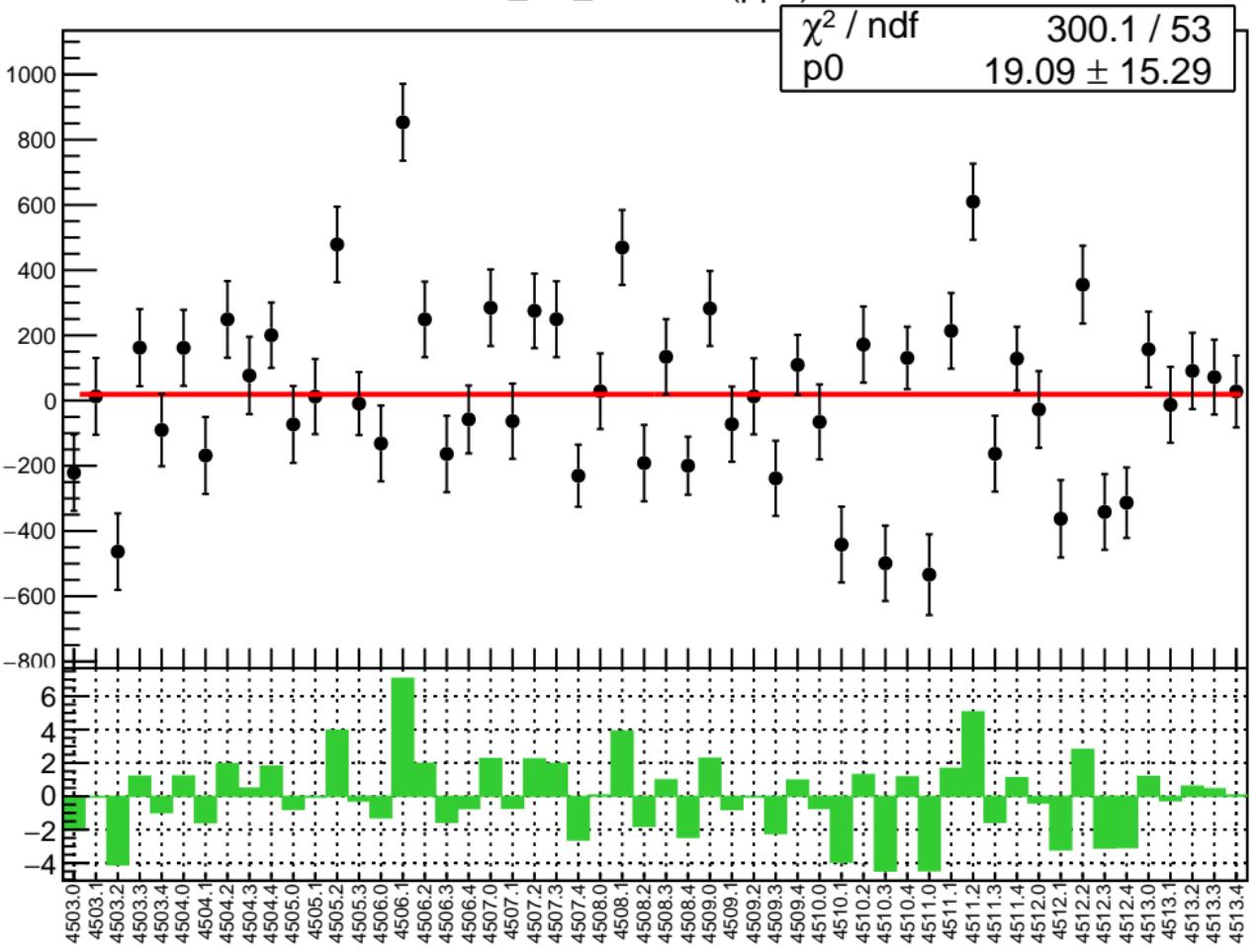
1D pull distribution



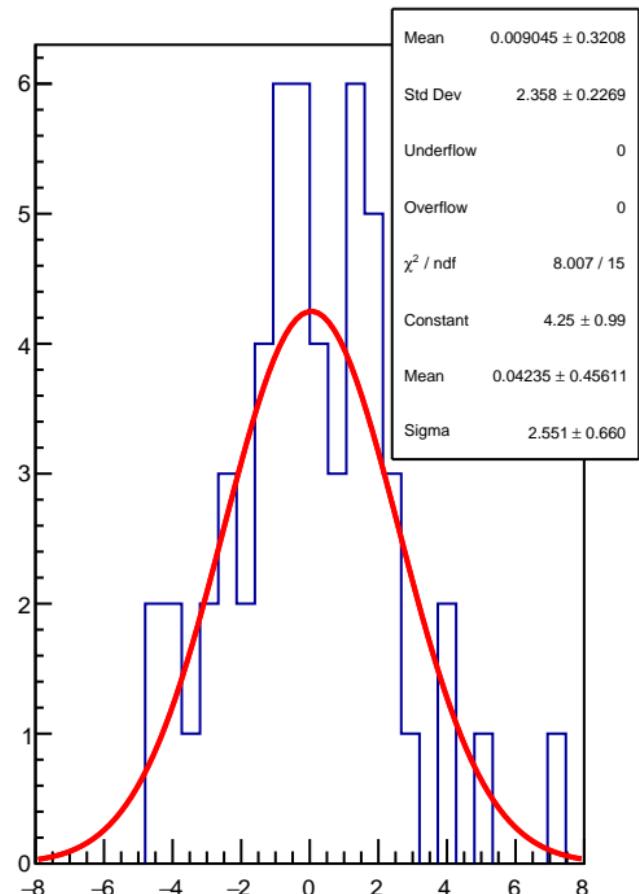
# corr\_usl\_evMon6 RMS (ppm)



corr\_usl\_evMon7 (ppb)

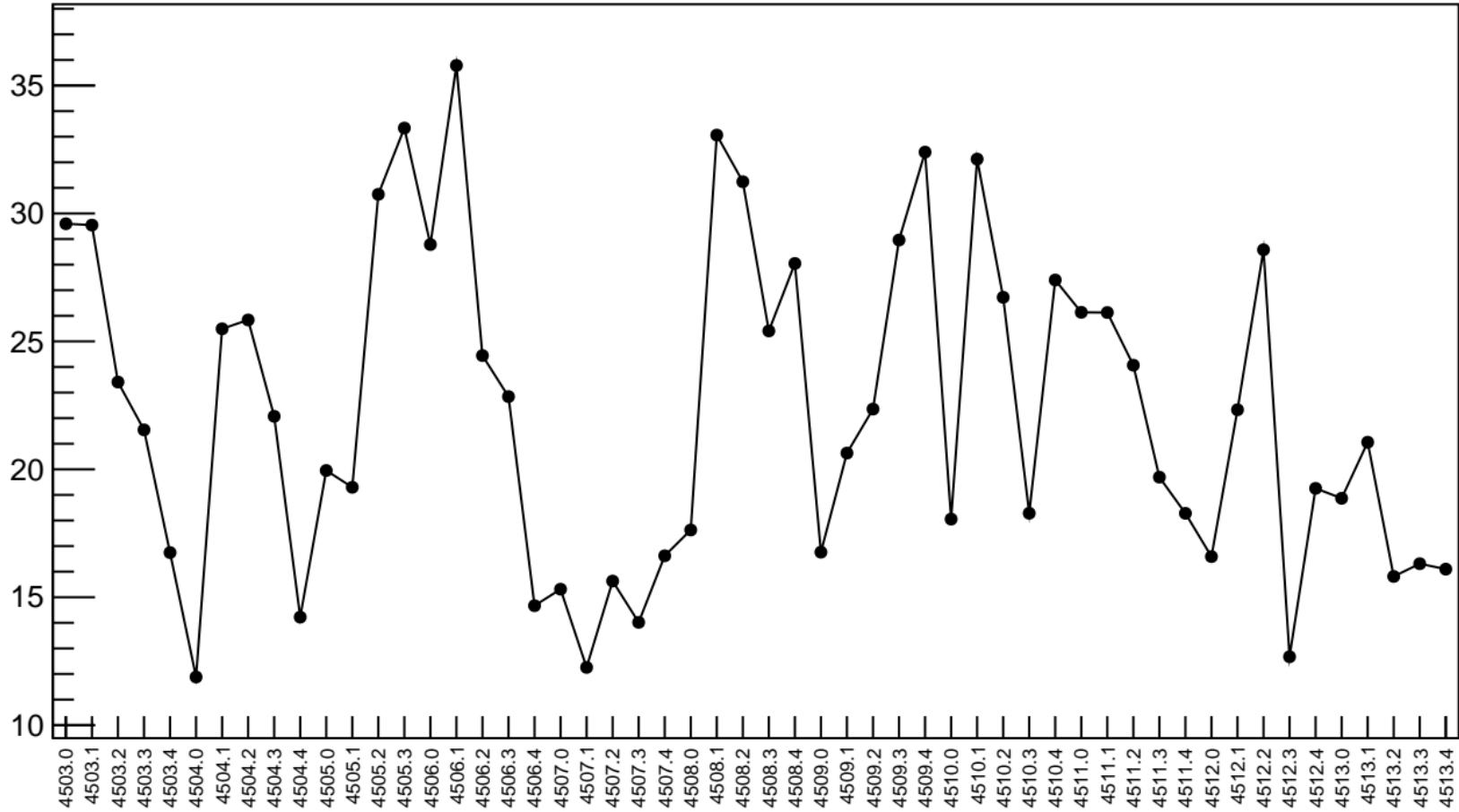


1D pull distribution

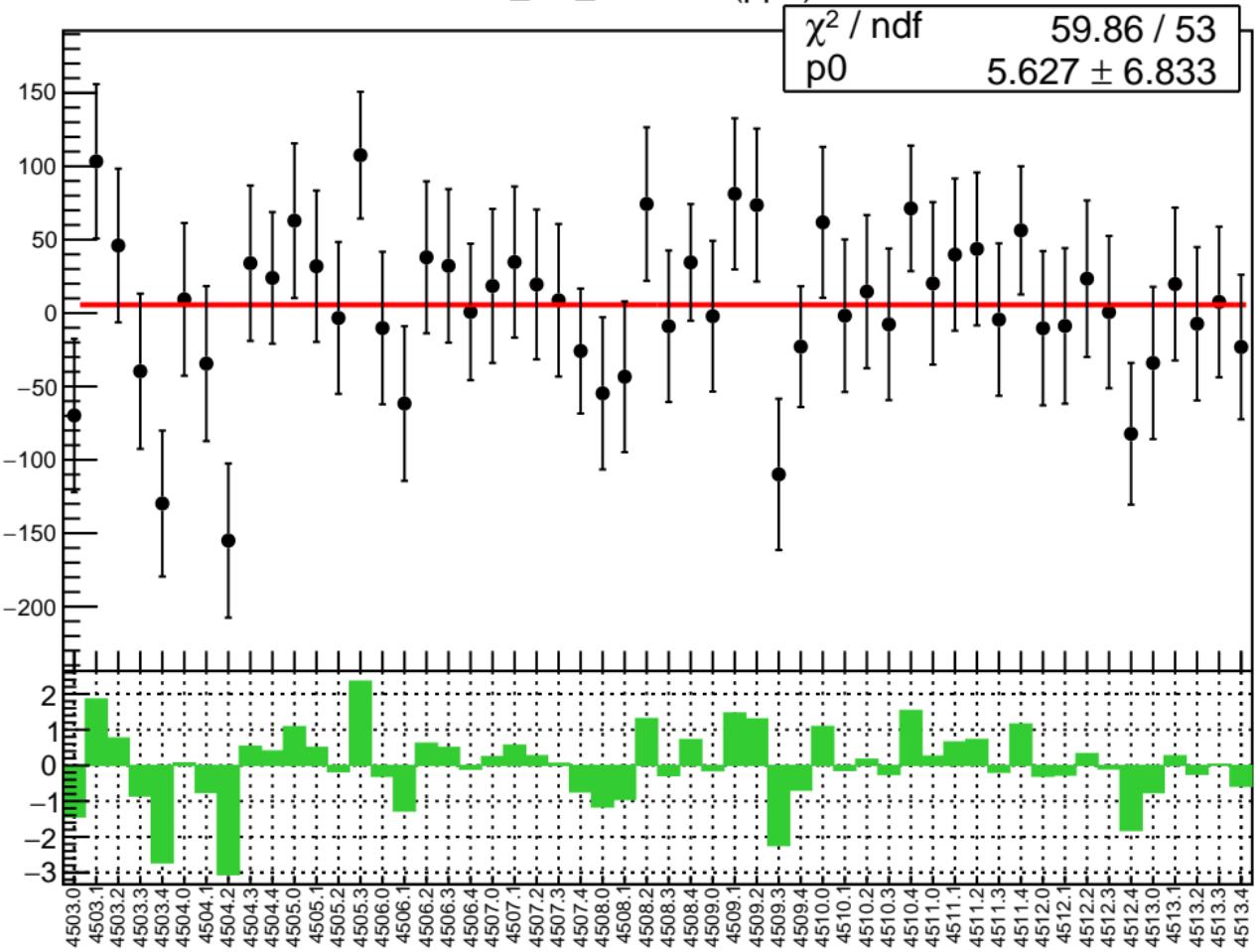


# corr\_usl\_evMon7 RMS (ppm)

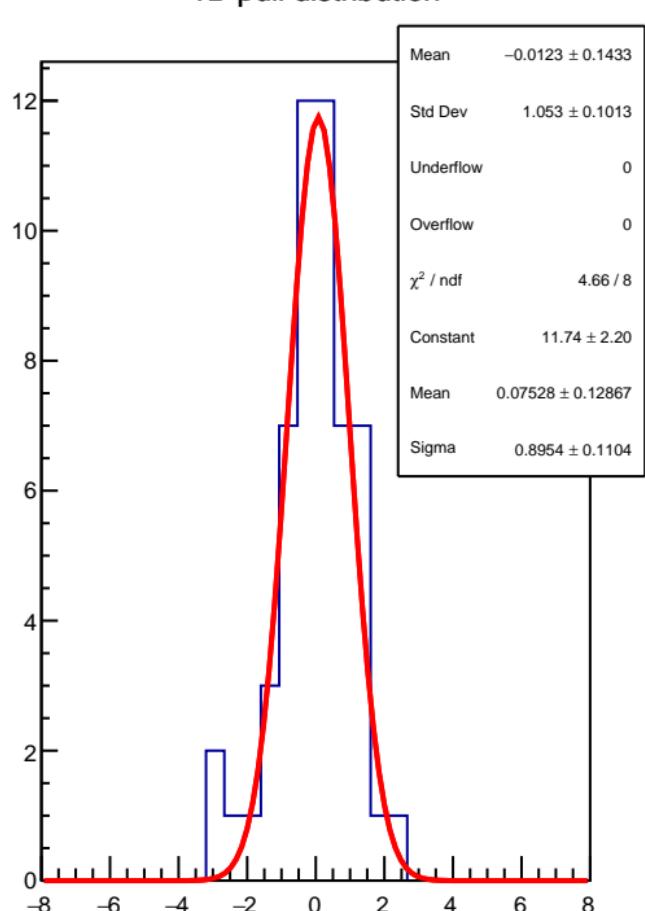
RMS (ppm)



corr\_usl\_evMon8 (ppb)

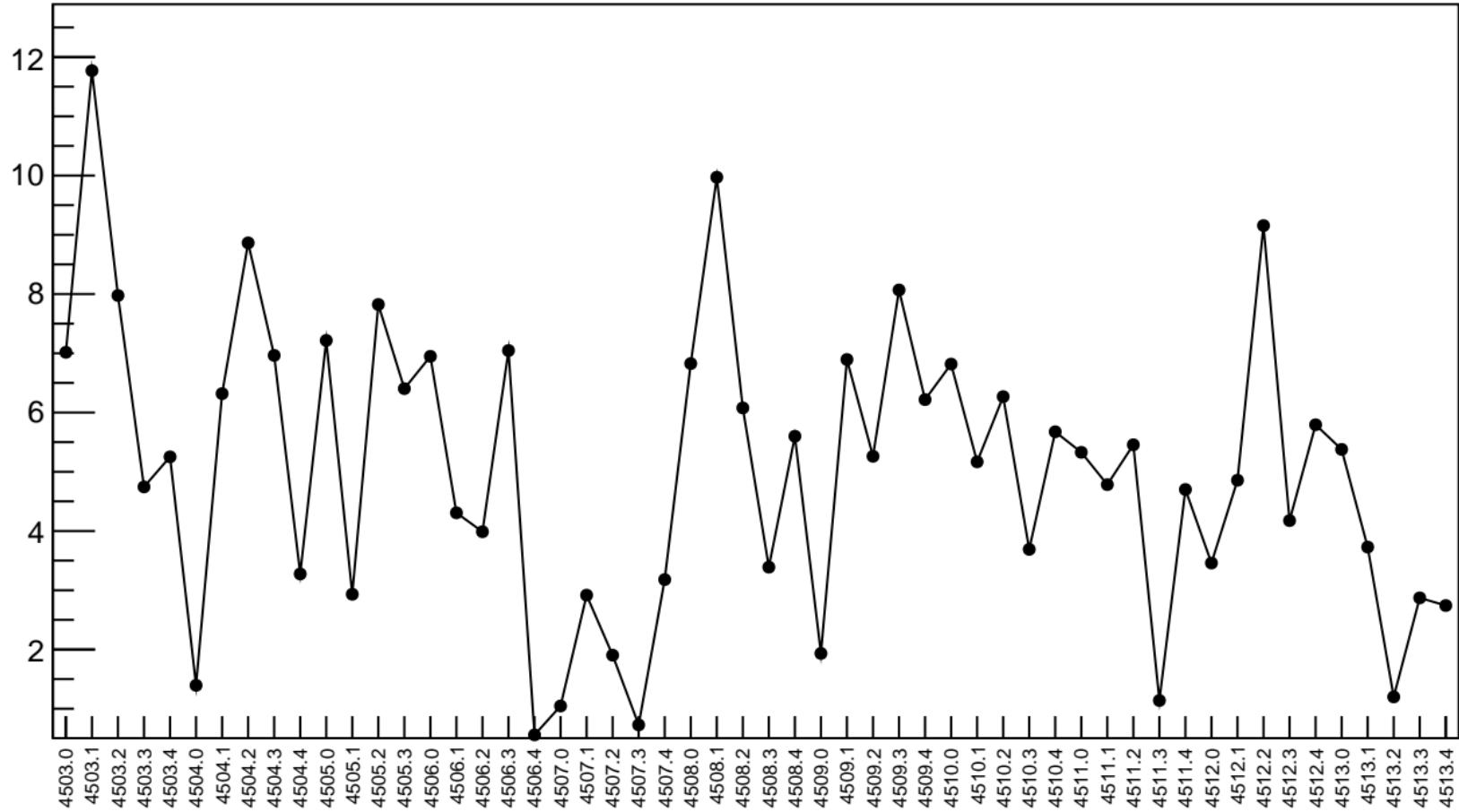


1D pull distribution

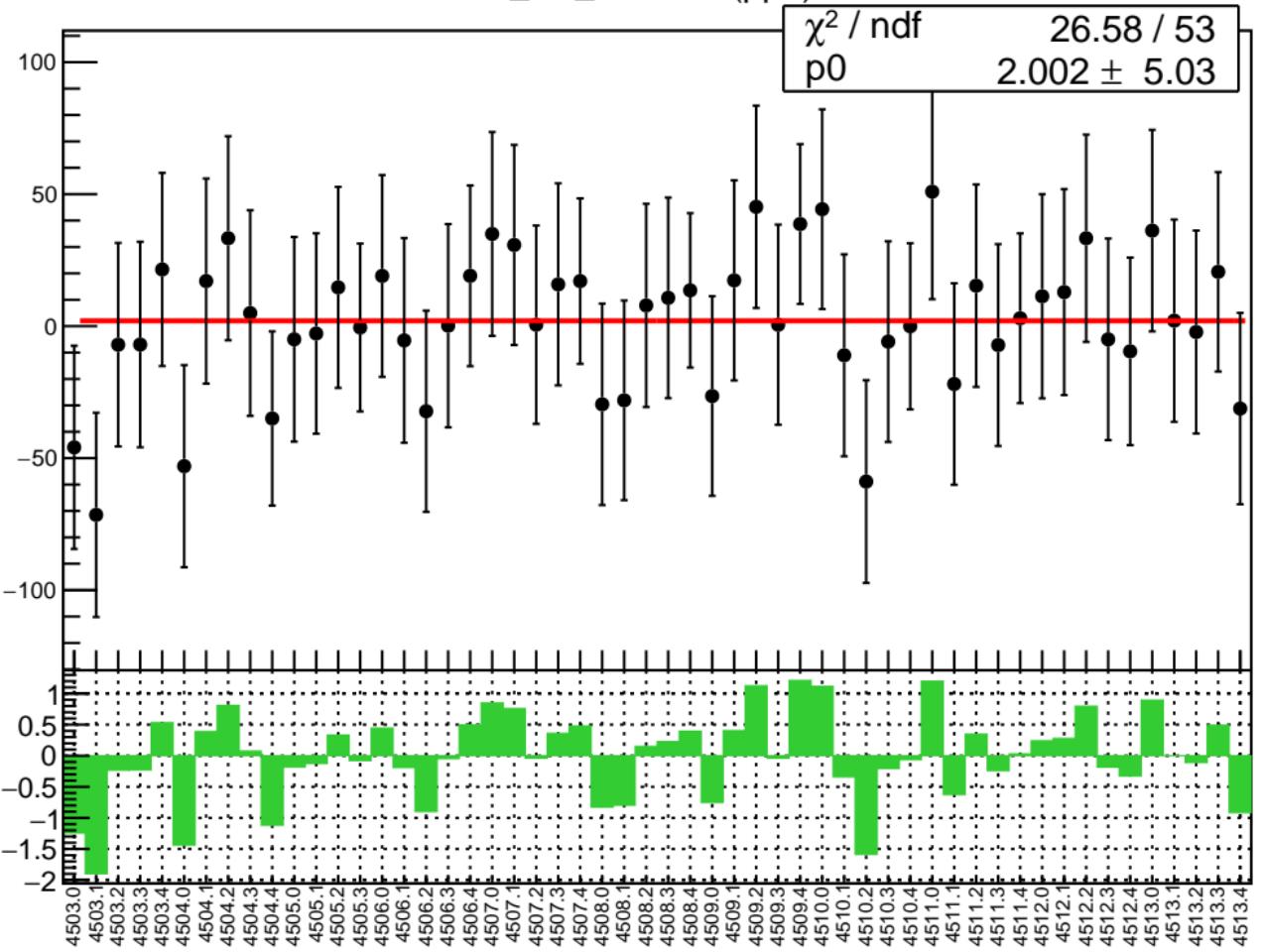


# corr\_usl\_evMon8 RMS (ppm)

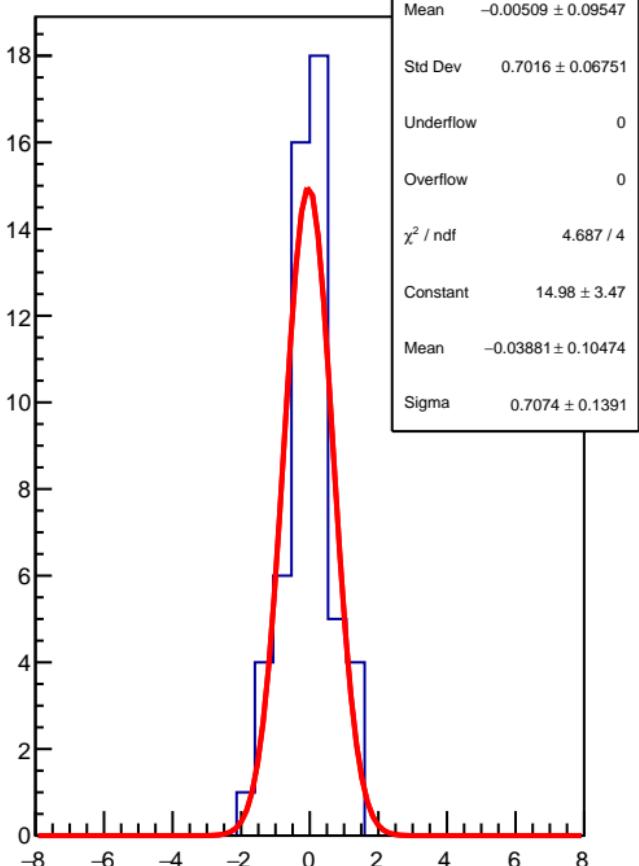
RMS (ppm)



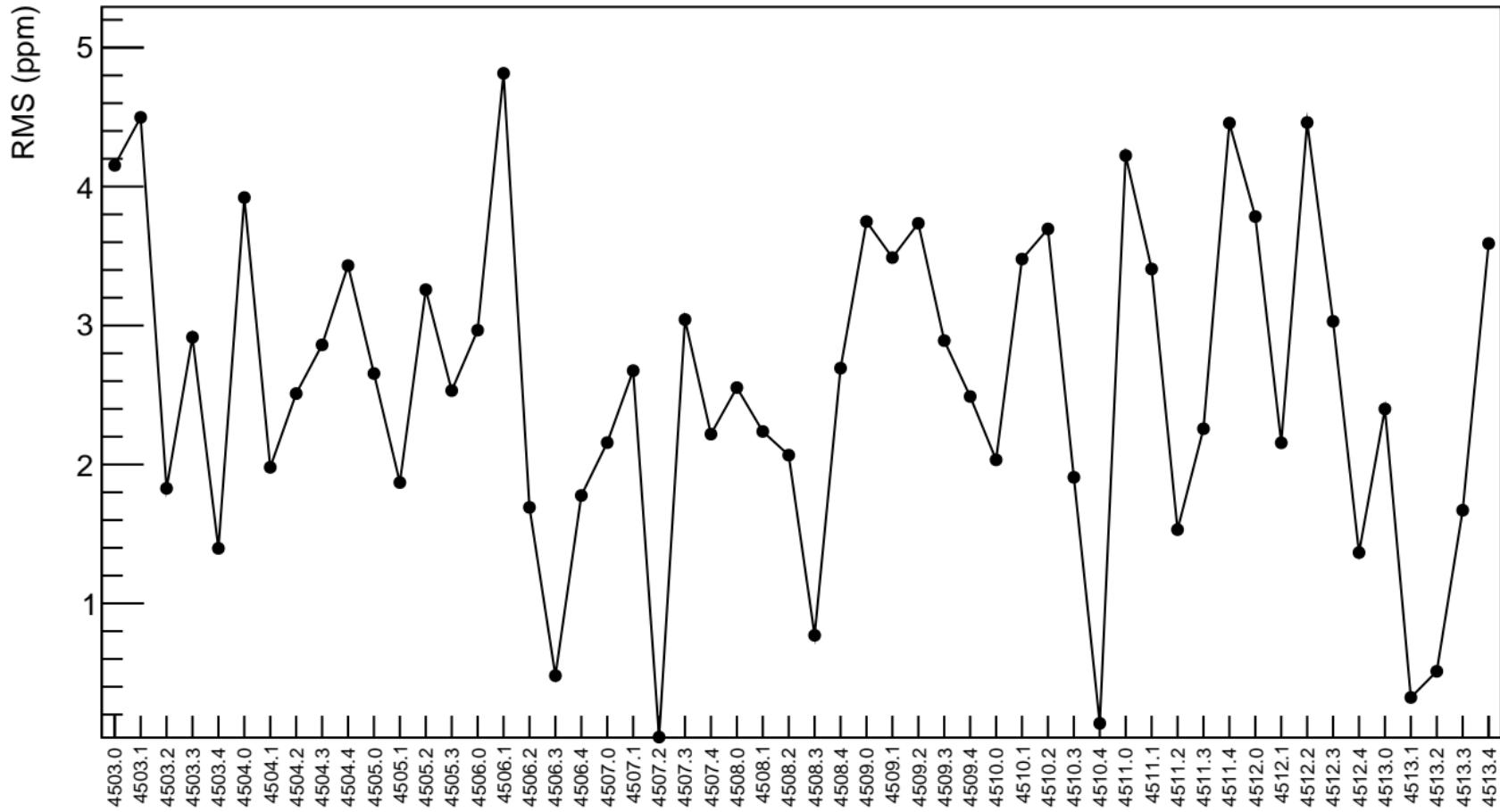
corr\_usl\_evMon9 (ppb)



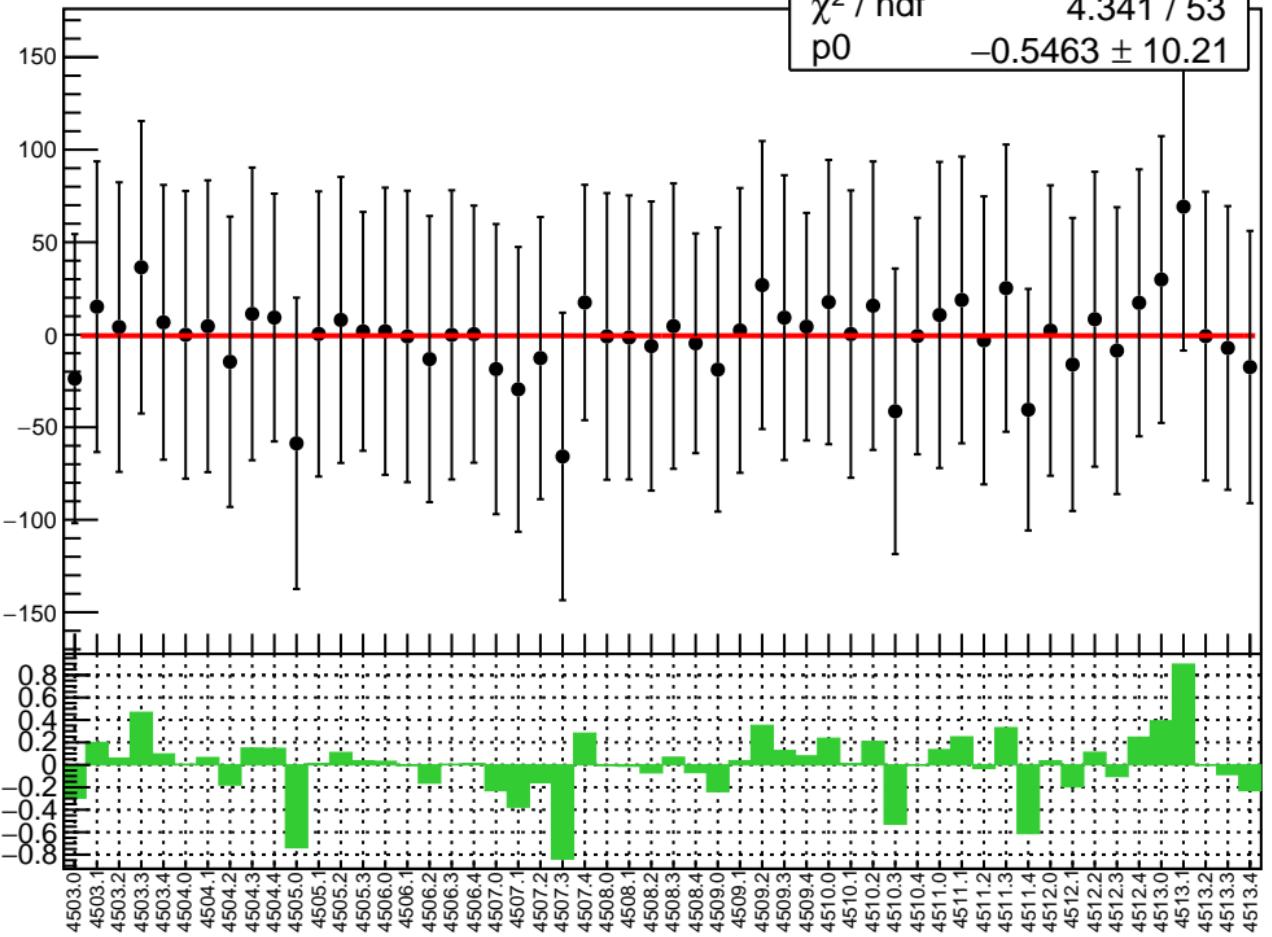
1D pull distribution



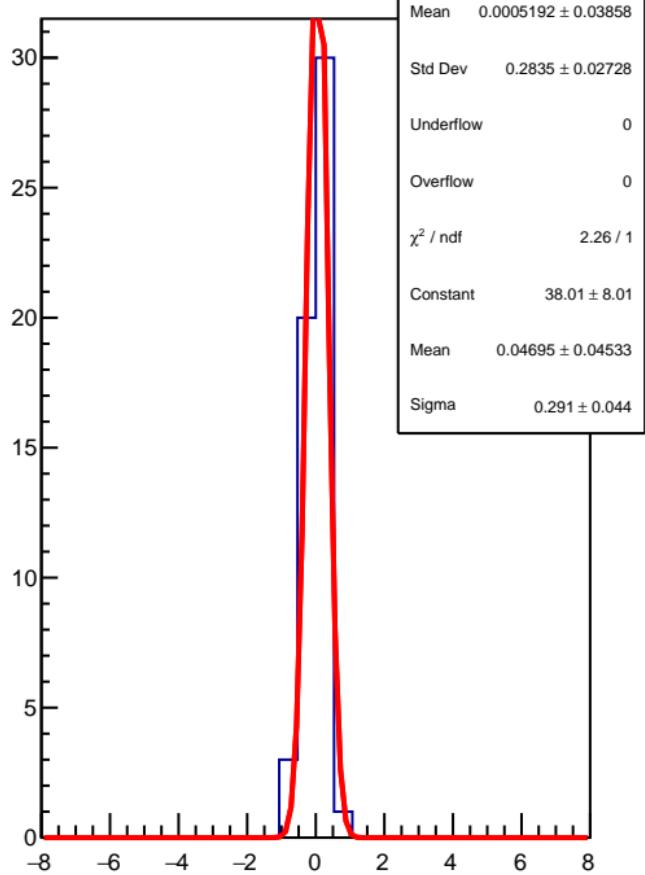
# corr\_usl\_evMon9 RMS (ppm)



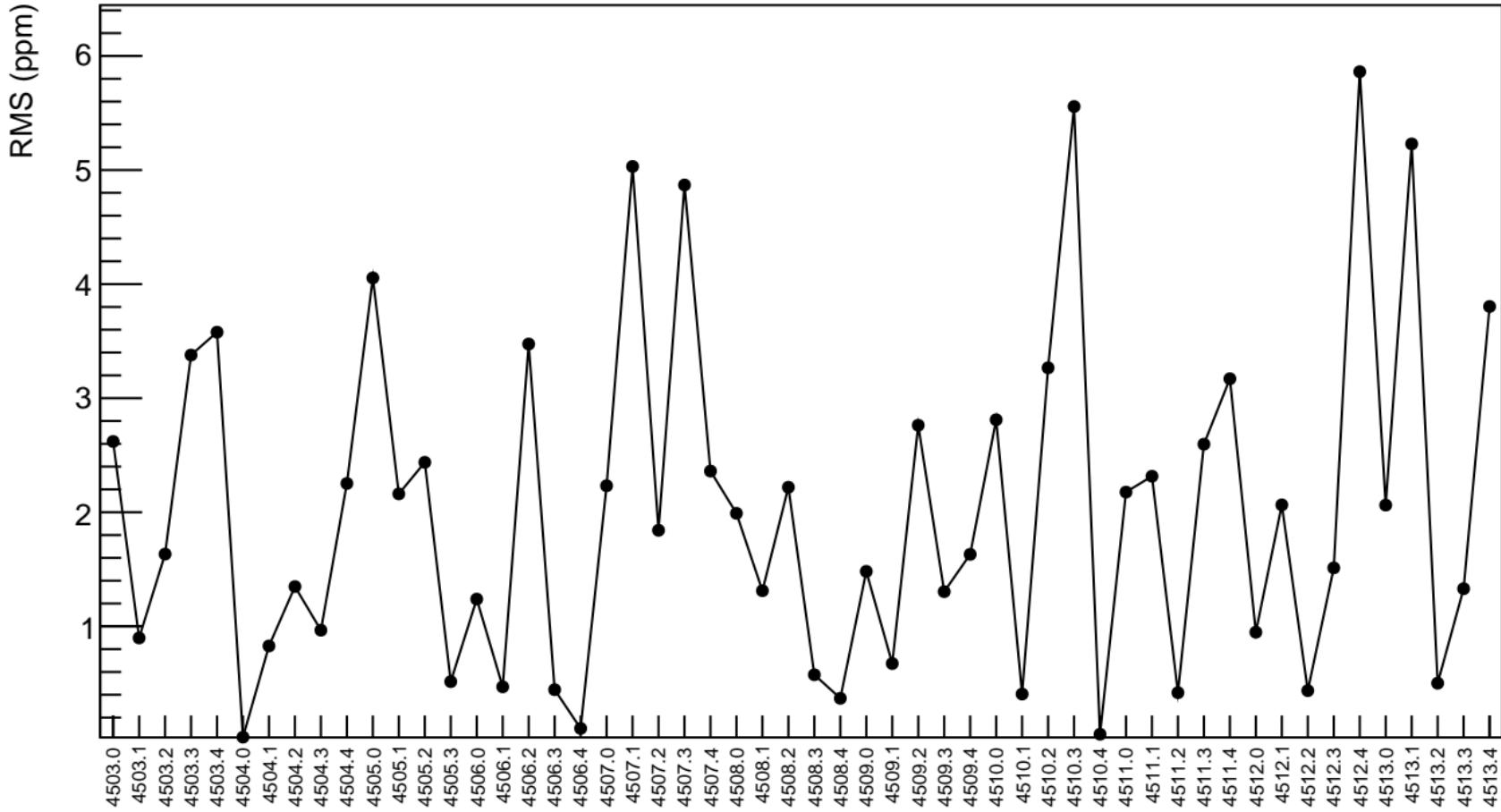
corr\_usl\_evMon10 (ppb)

 $\chi^2 / \text{ndf}$   
 $4.341 / 53$   
 $p_0$   
 $-0.5463 \pm 10.21$ 


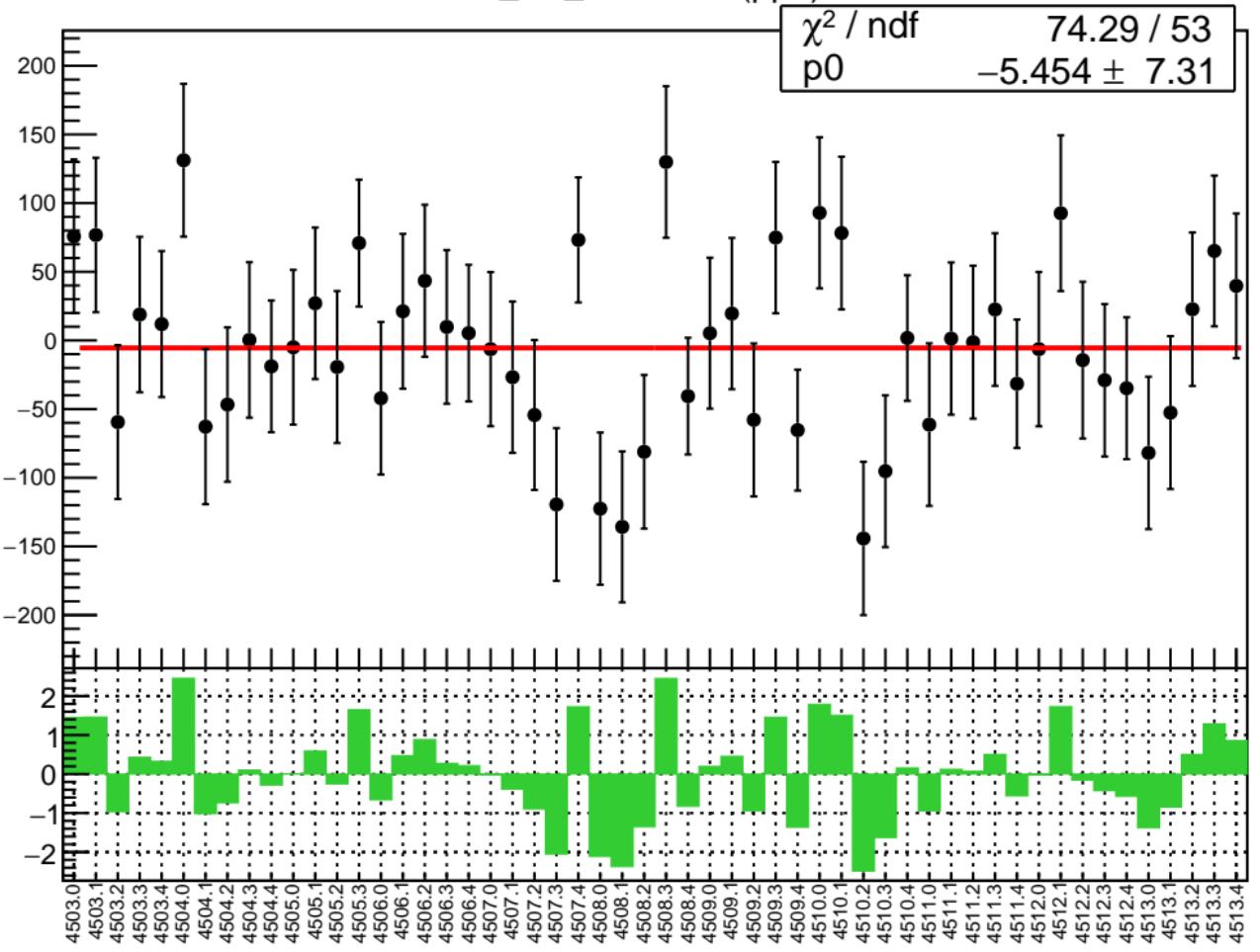
1D pull distribution



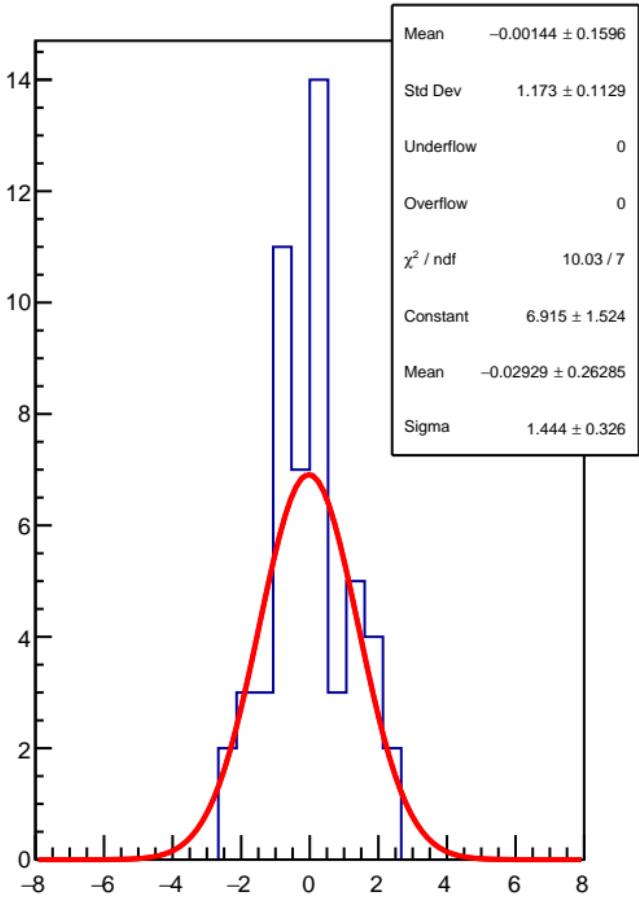
# corr\_usl\_evMon10 RMS (ppm)



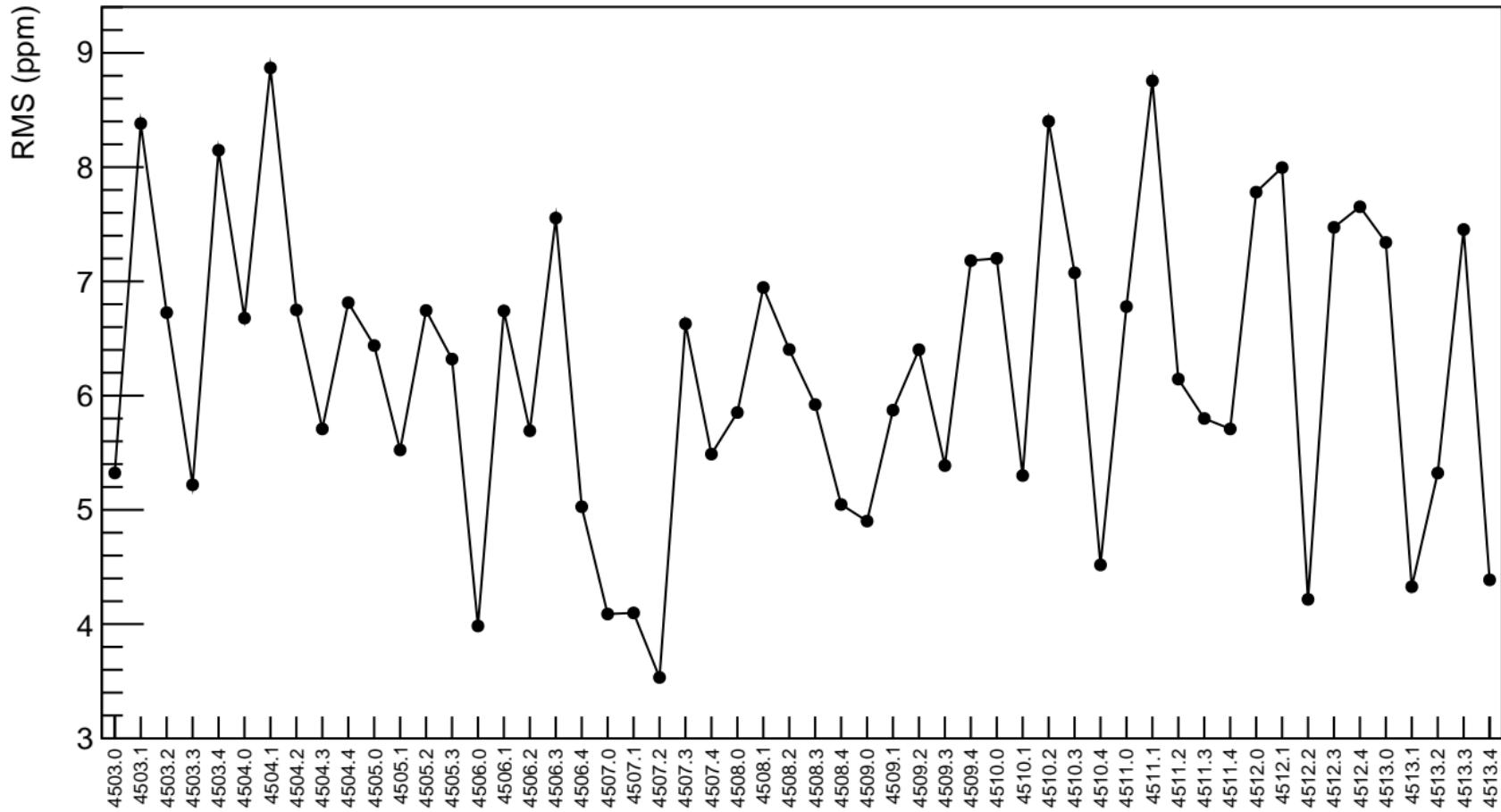
corr\_usl\_evMon11 (ppb)



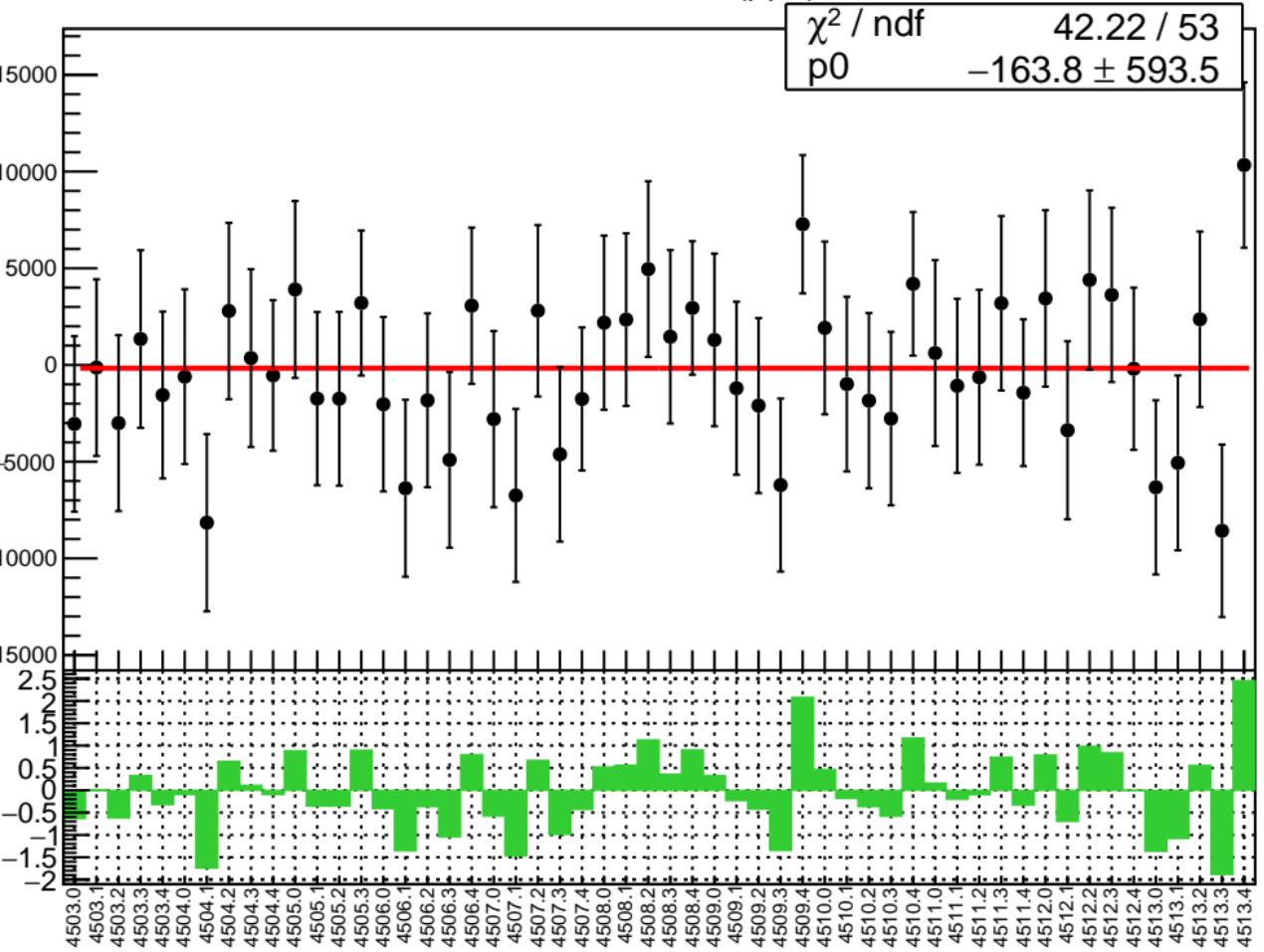
1D pull distribution



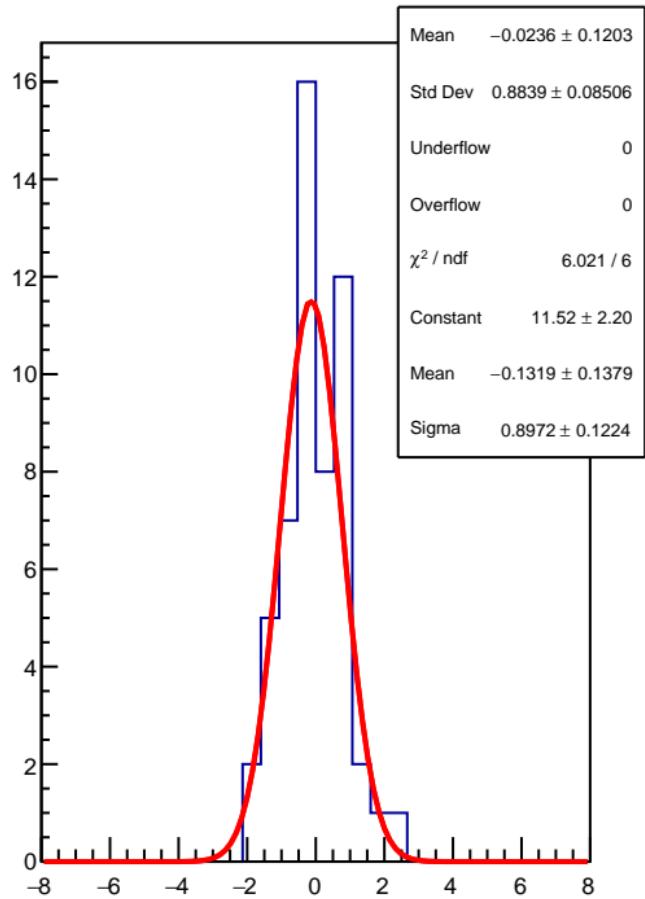
# corr\_usl\_evMon11 RMS (ppm)



corr\_usr\_evMon0 (ppb)

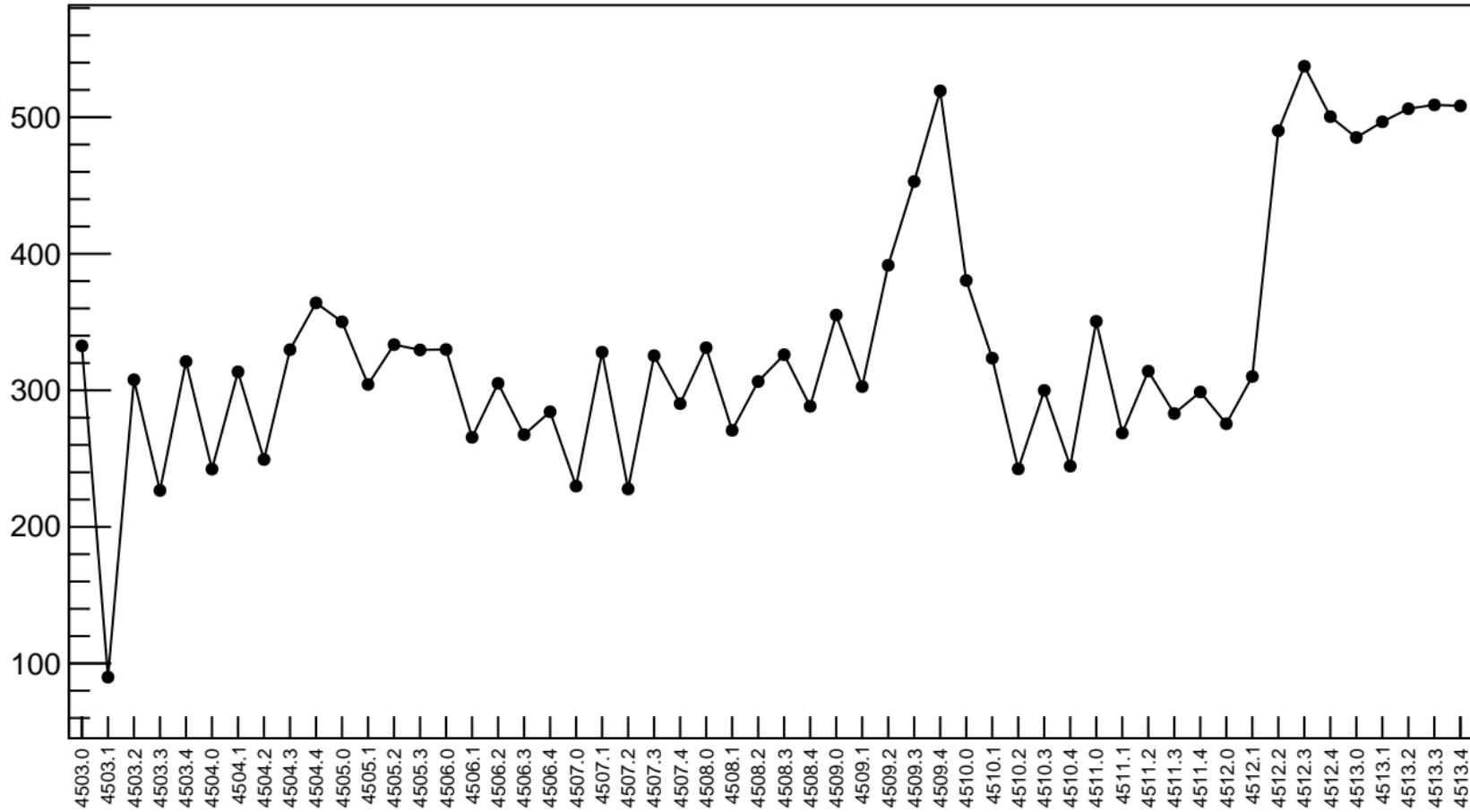


1D pull distribution

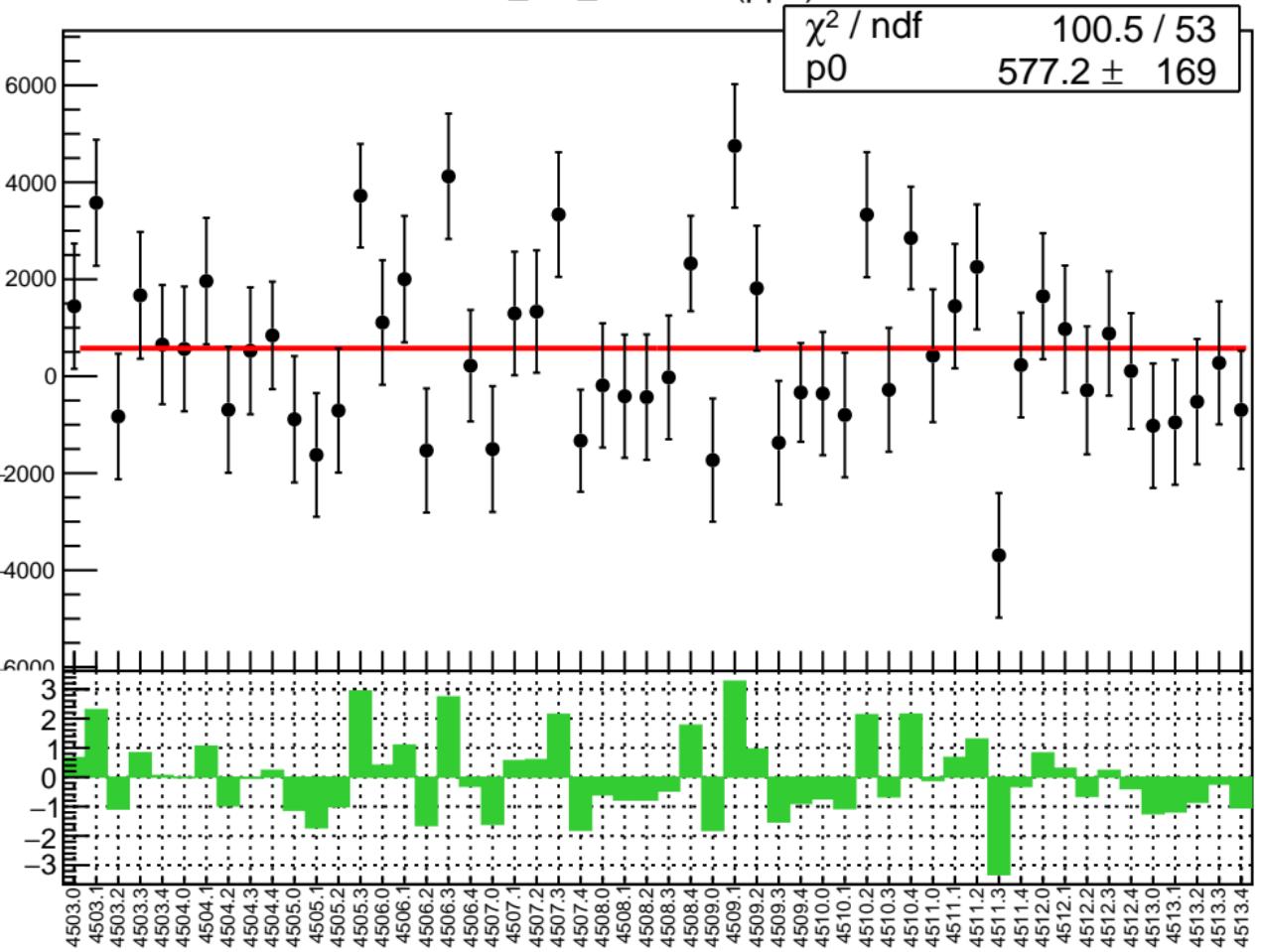


# corr\_usr\_evMon0 RMS (ppm)

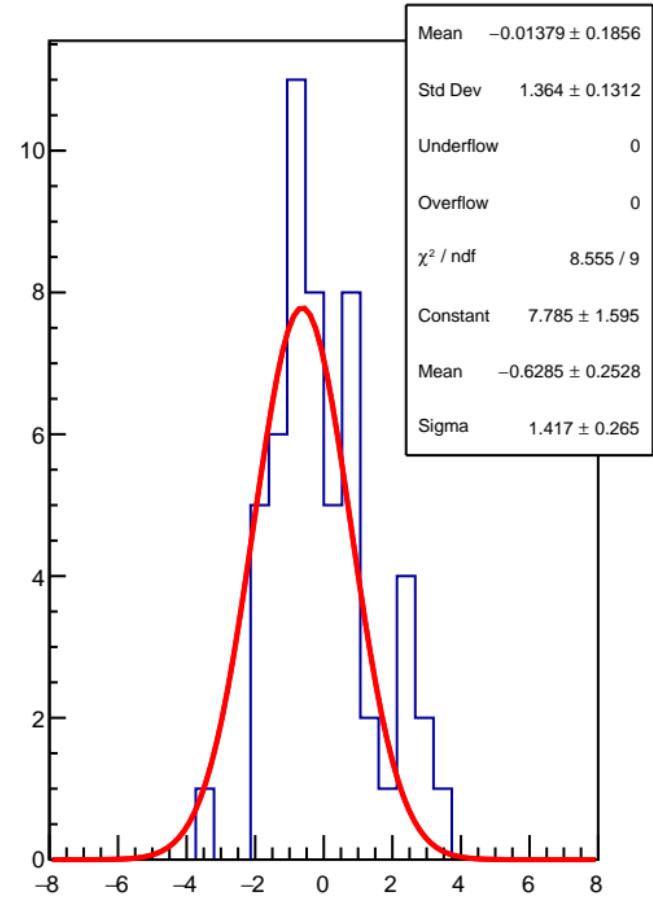
RMS (ppm)



corr\_usr\_evMon1 (ppb)

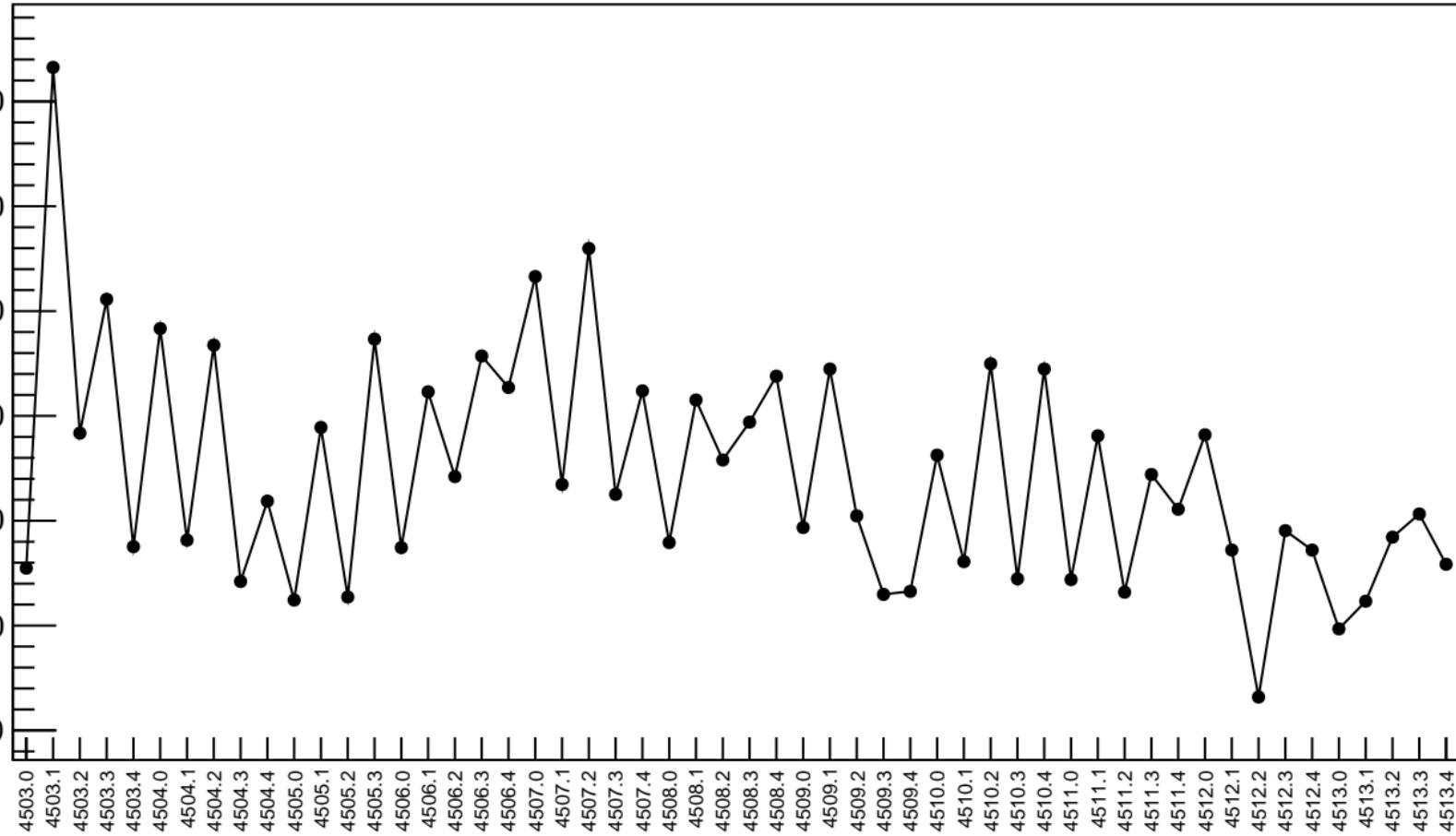


1D pull distribution

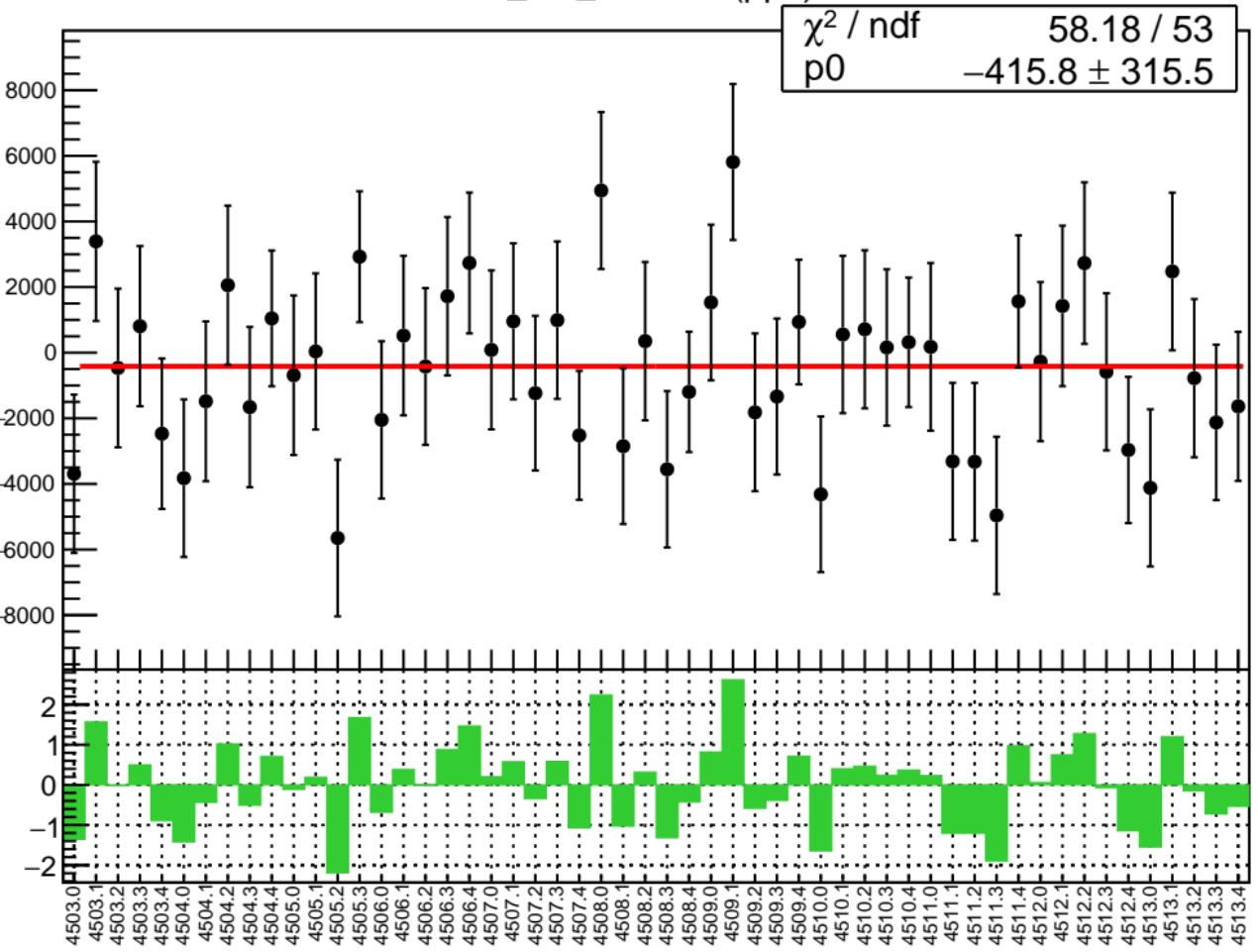


# corr\_usr\_evMon1 RMS (ppm)

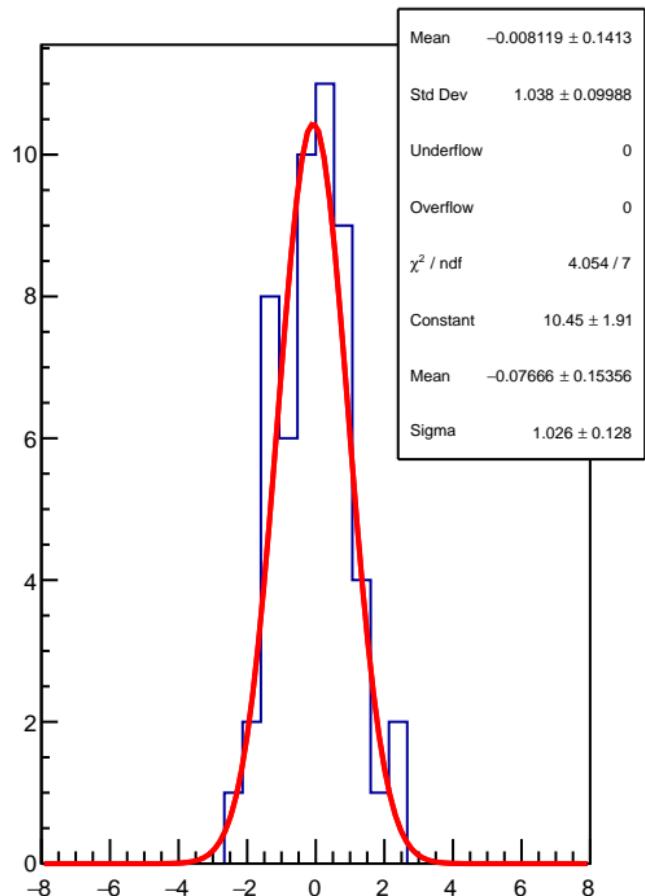
RMS (ppm)



corr\_usr\_evMon2 (ppb)

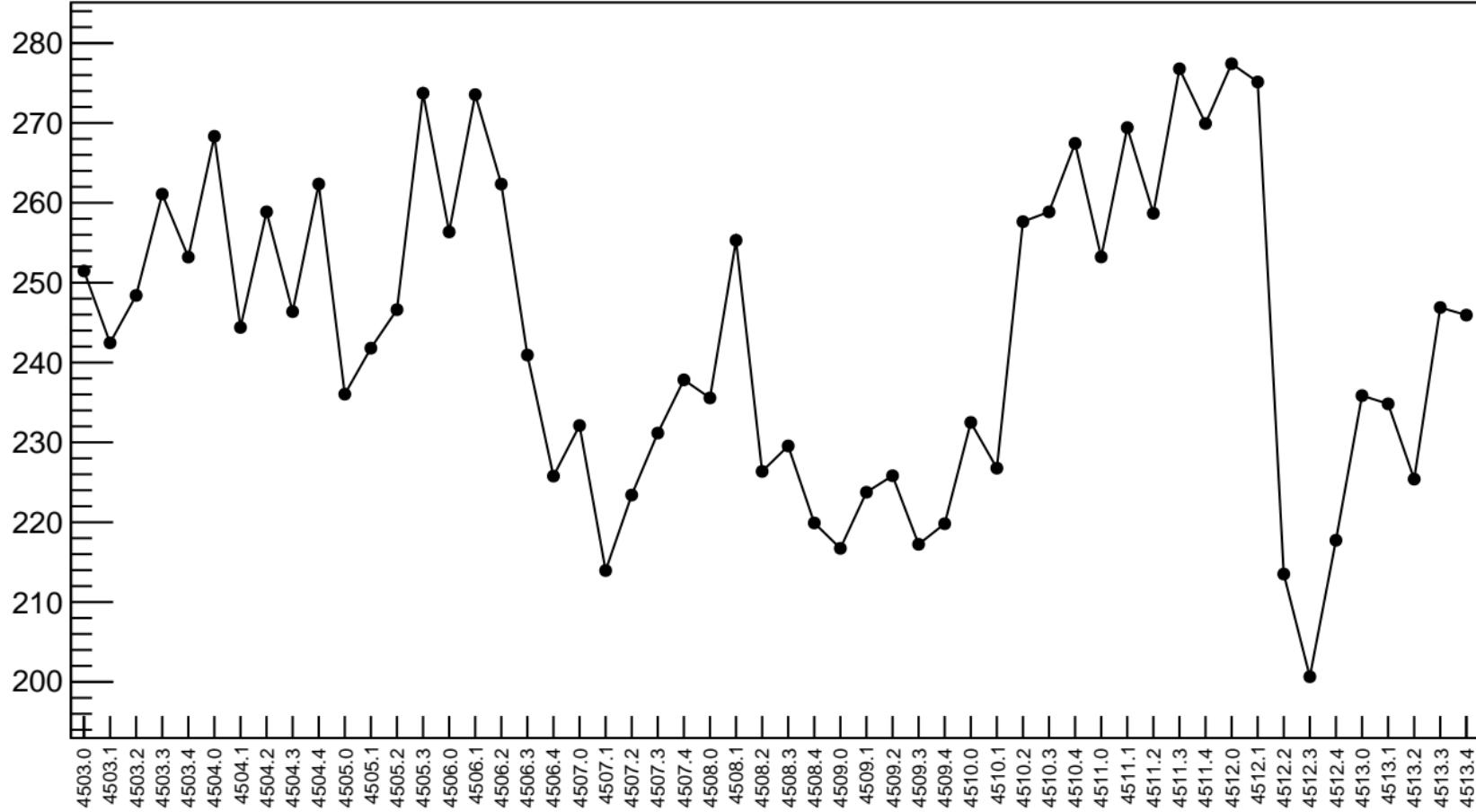


1D pull distribution

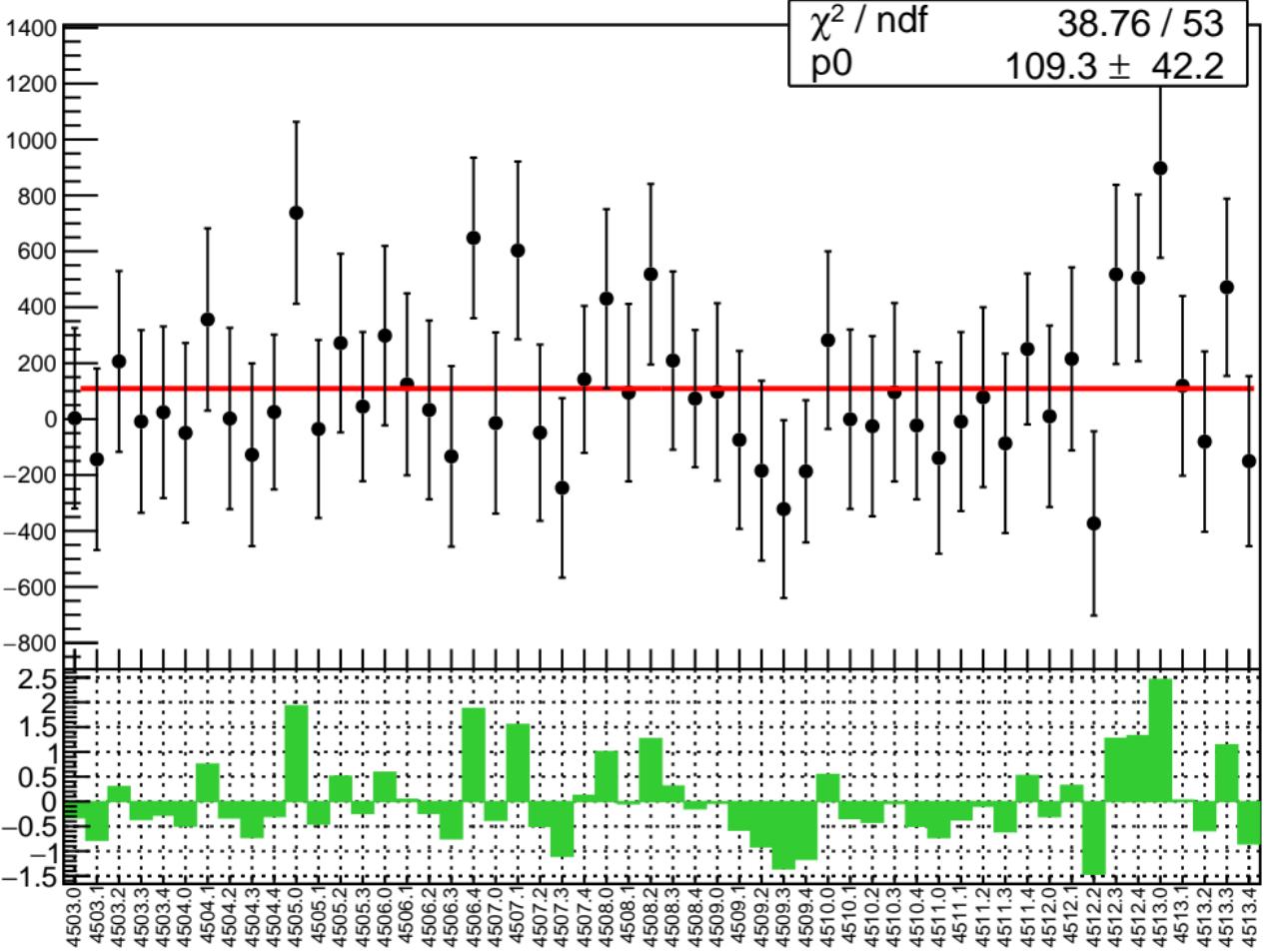


# corr\_usr\_evMon2 RMS (ppm)

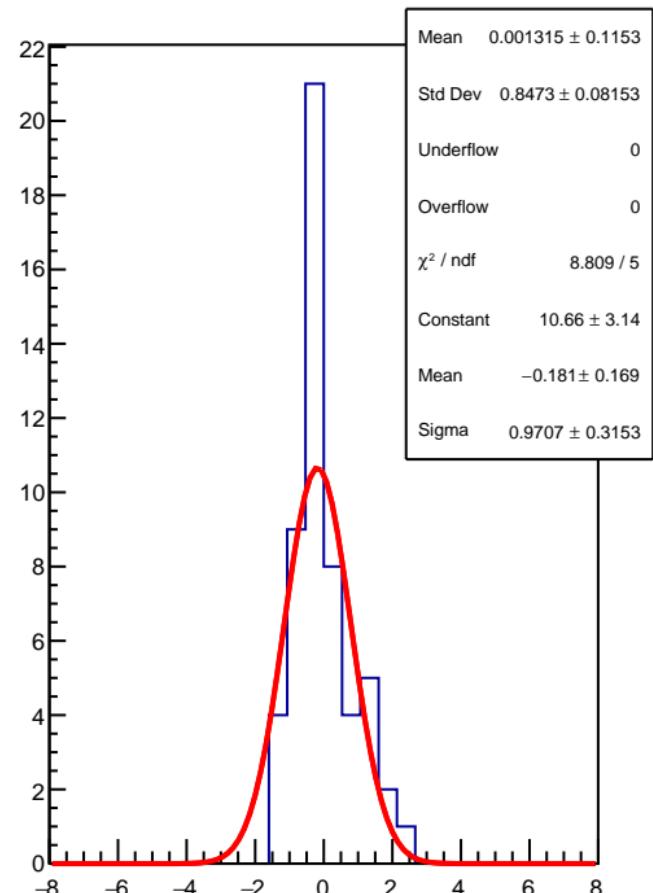
RMS (ppm)



corr\_usr\_evMon3 (ppb)

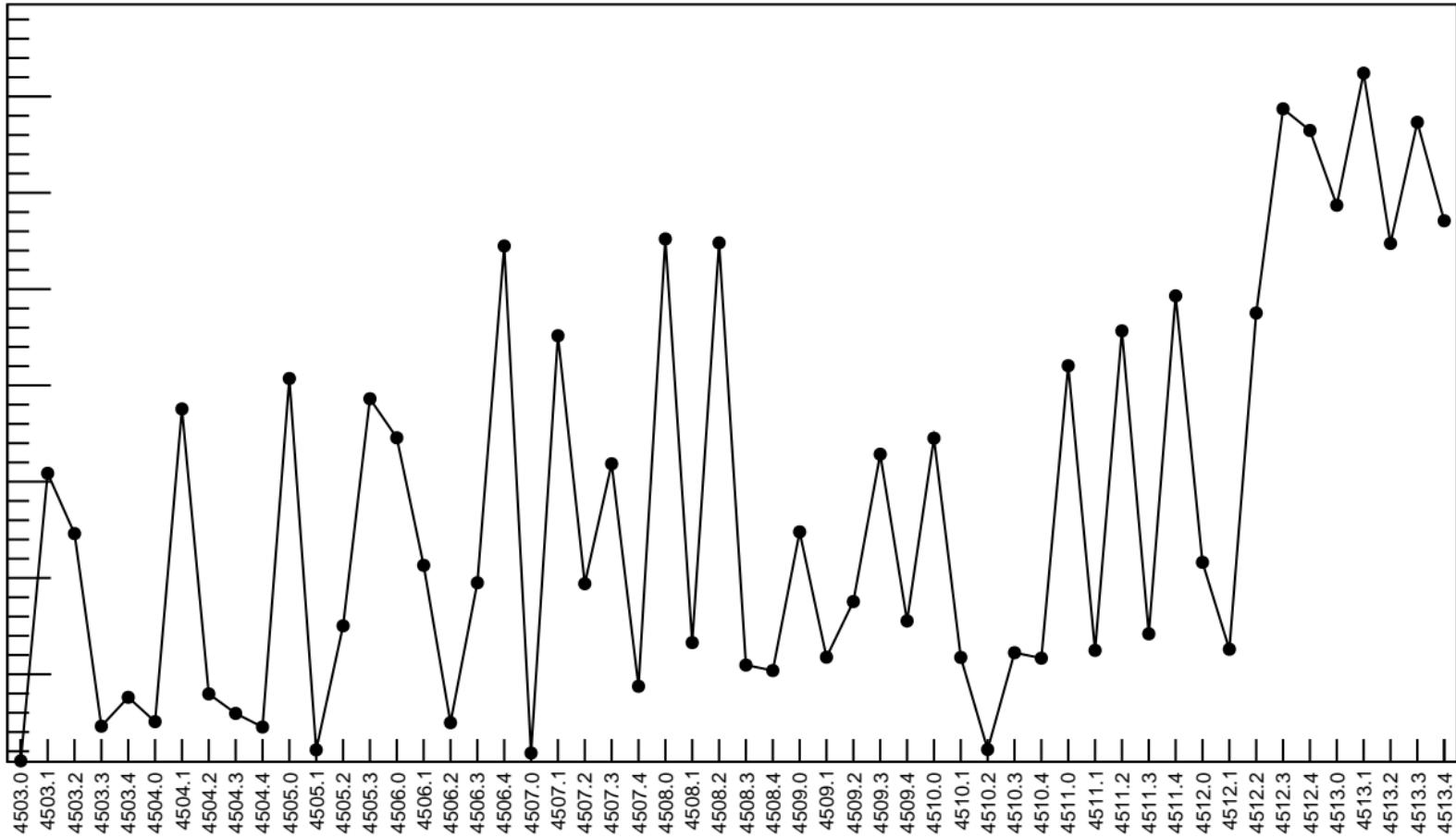


1D pull distribution

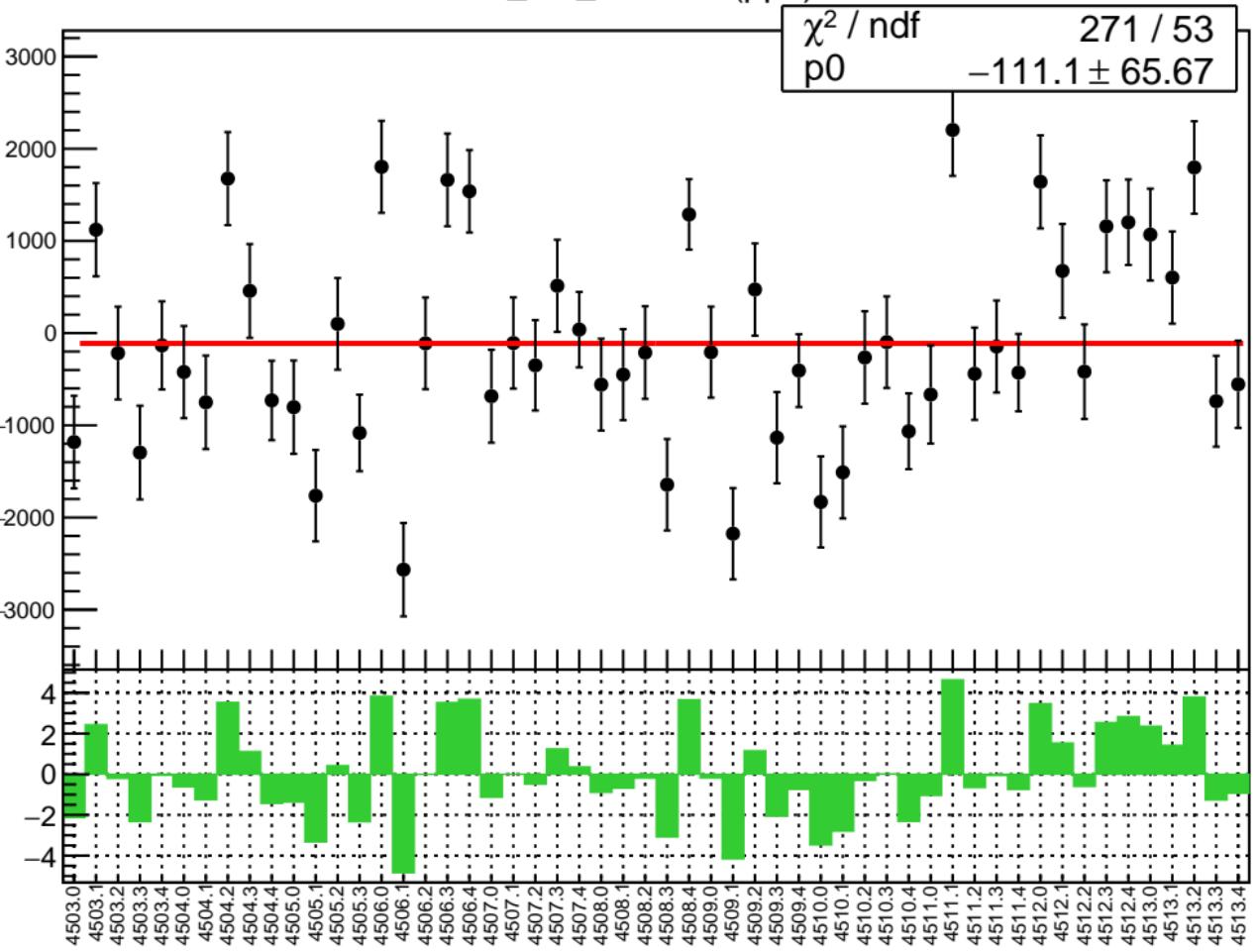


# corr\_usr\_evMon3 RMS (ppm)

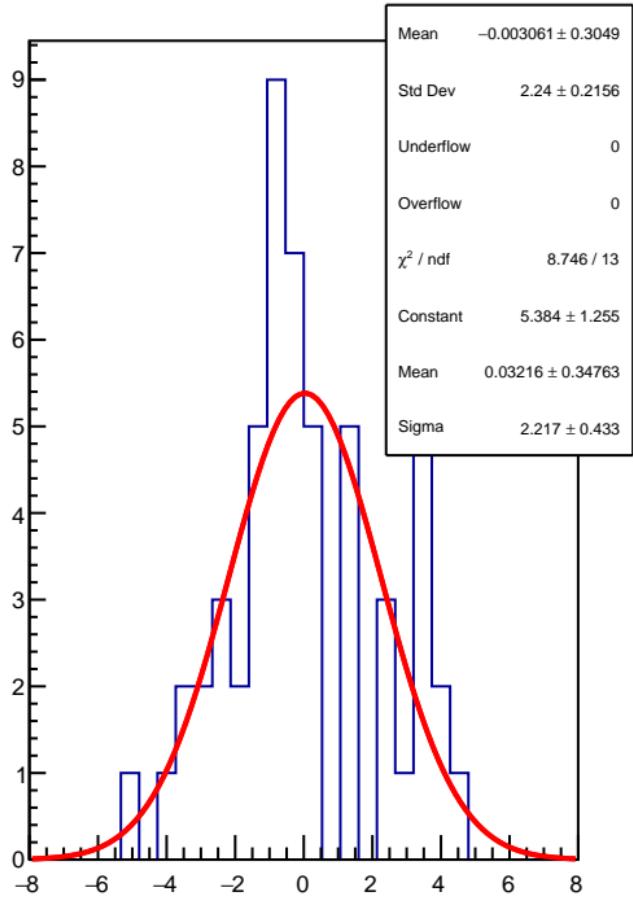
RMS (ppm)



corr\_usr\_evMon4 (ppb)

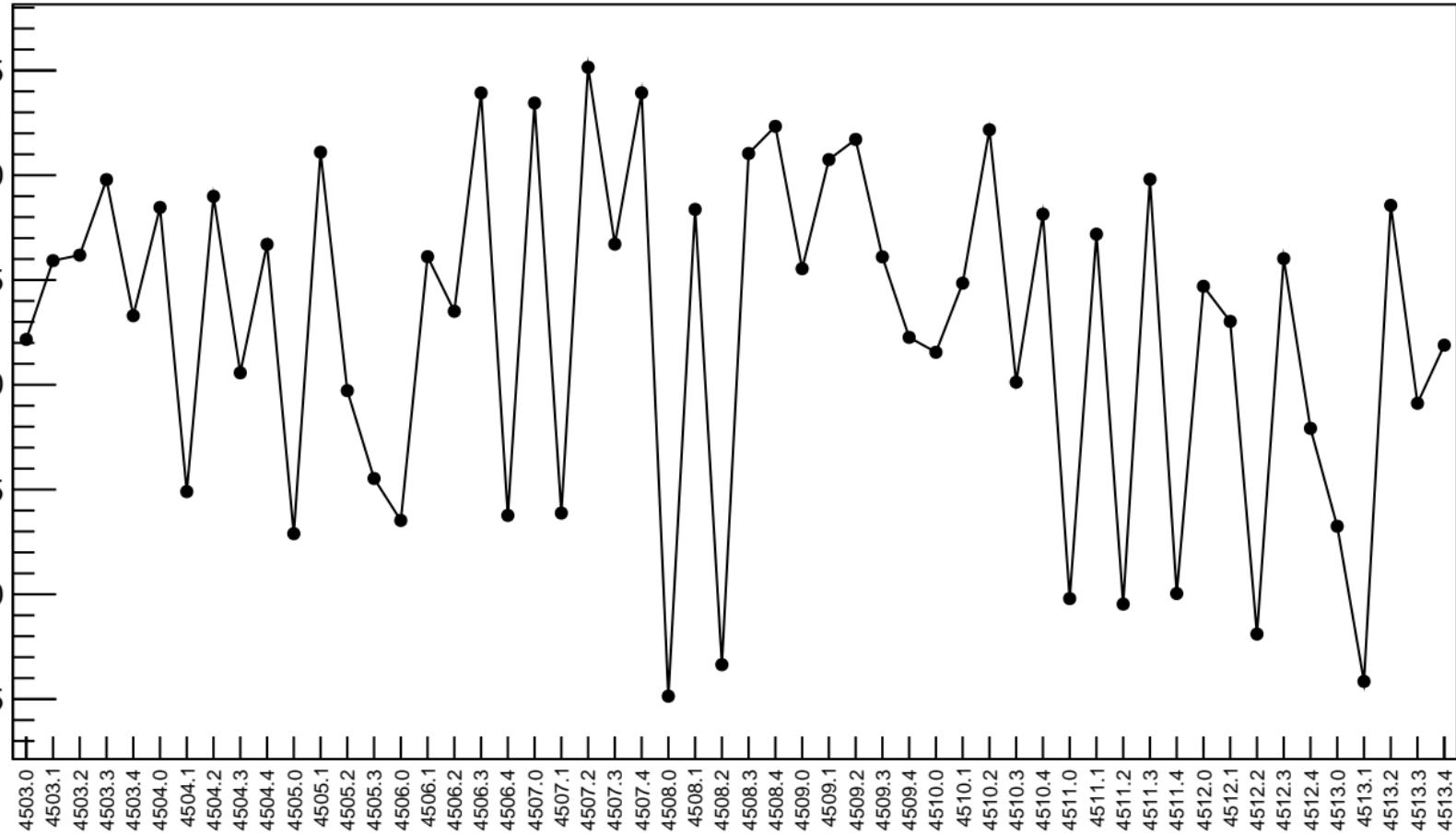


1D pull distribution

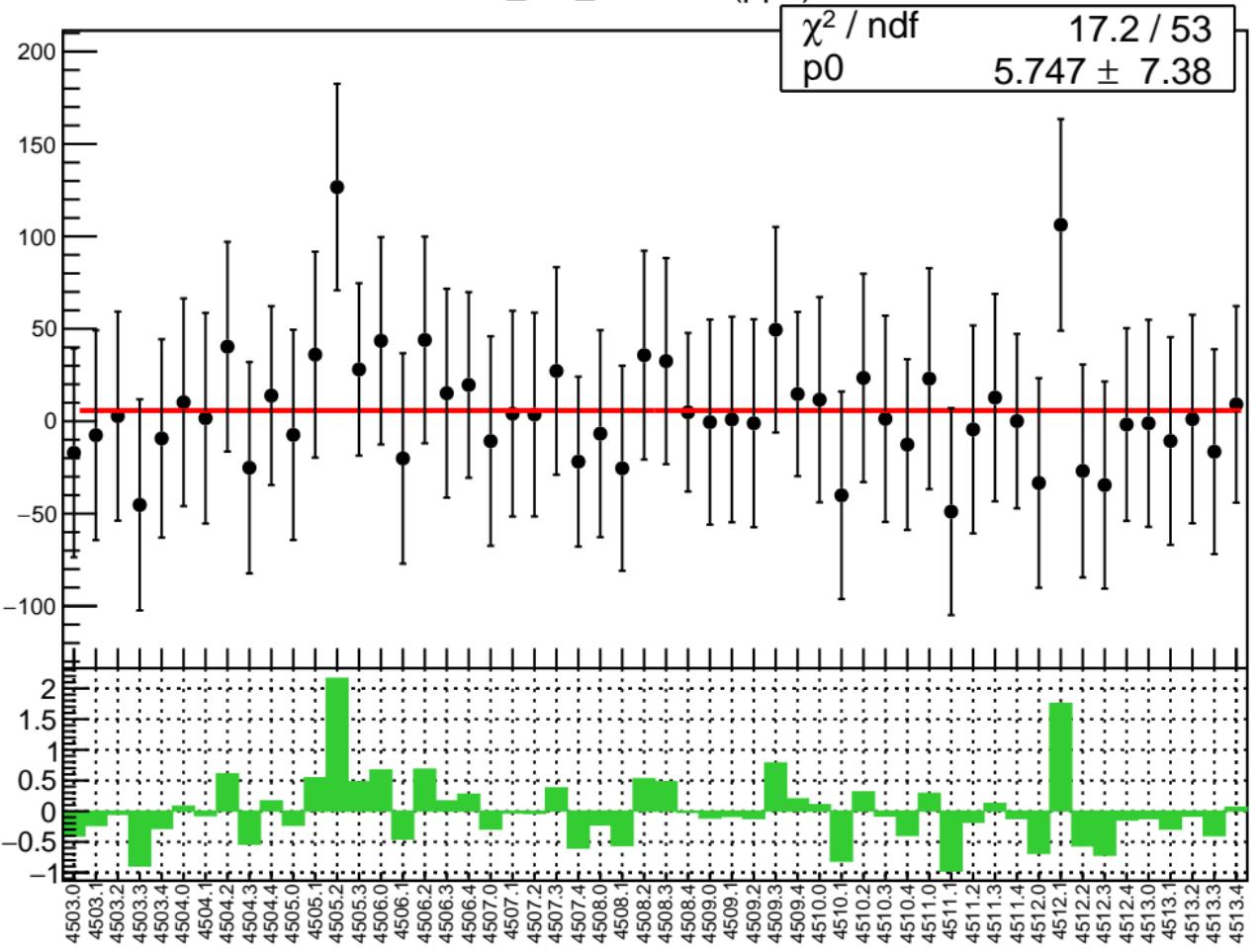


# corr\_usr\_evMon4 RMS (ppm)

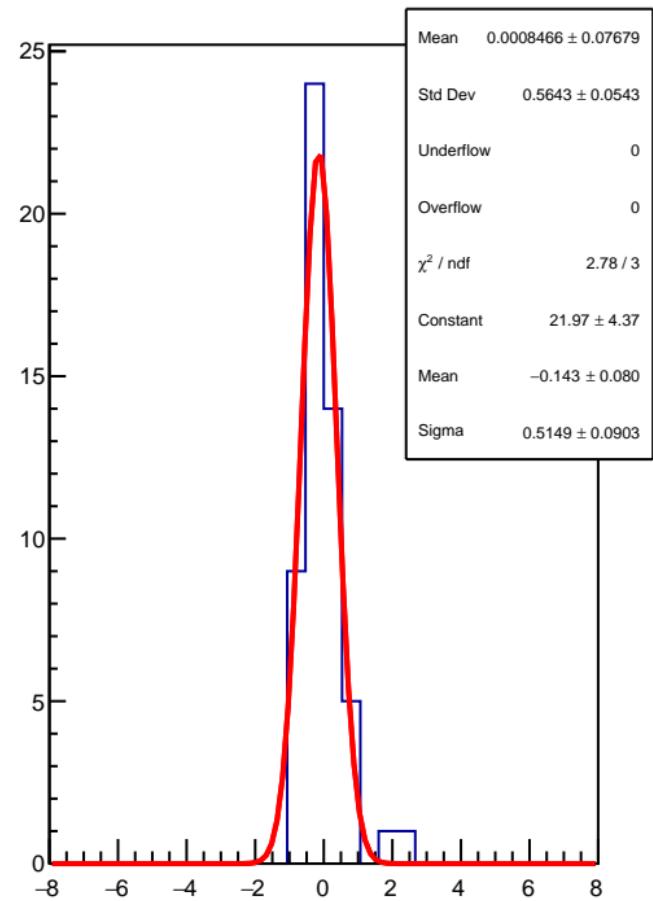
RMS (ppm)



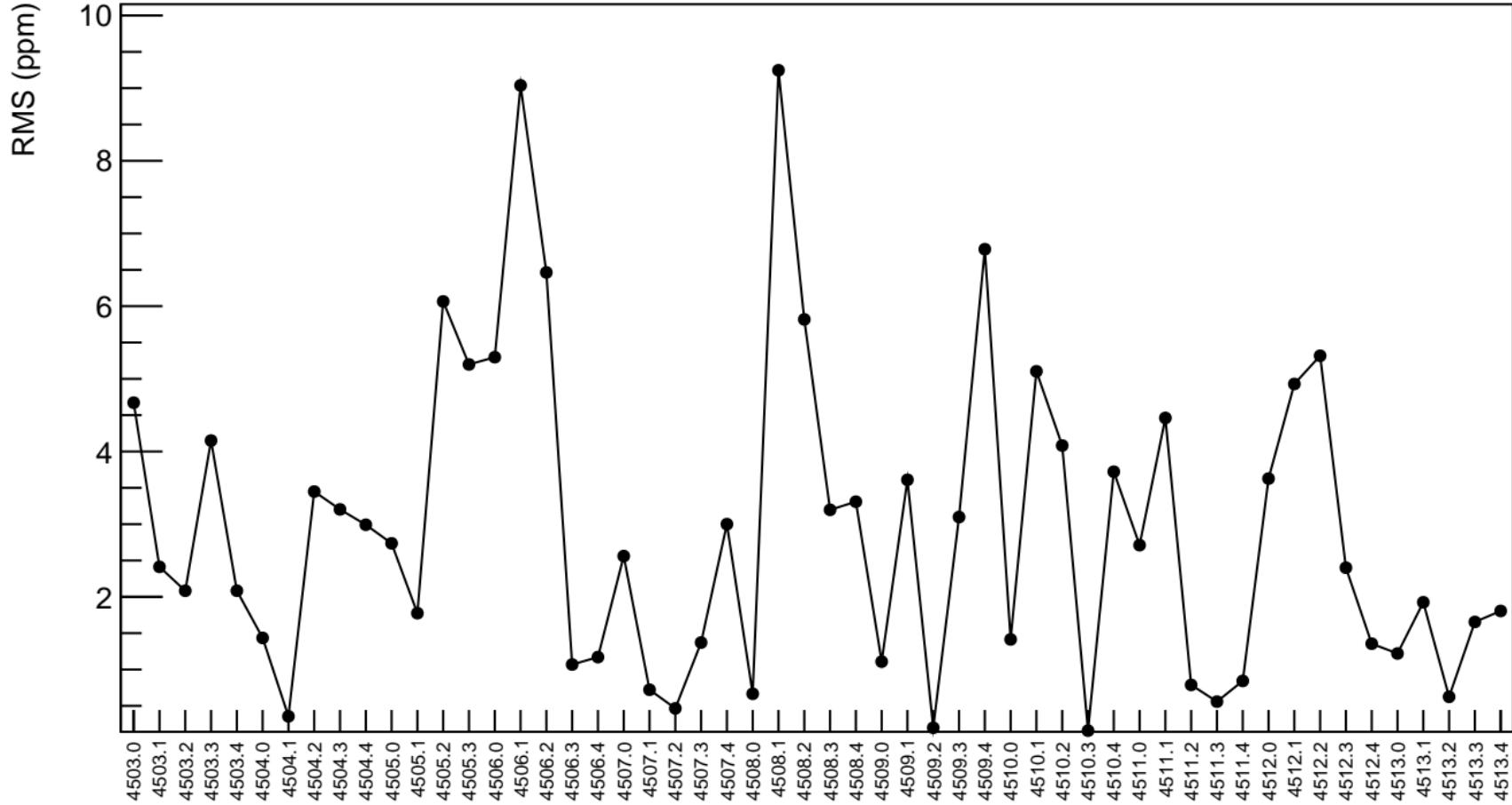
corr\_usr\_evMon5 (ppb)



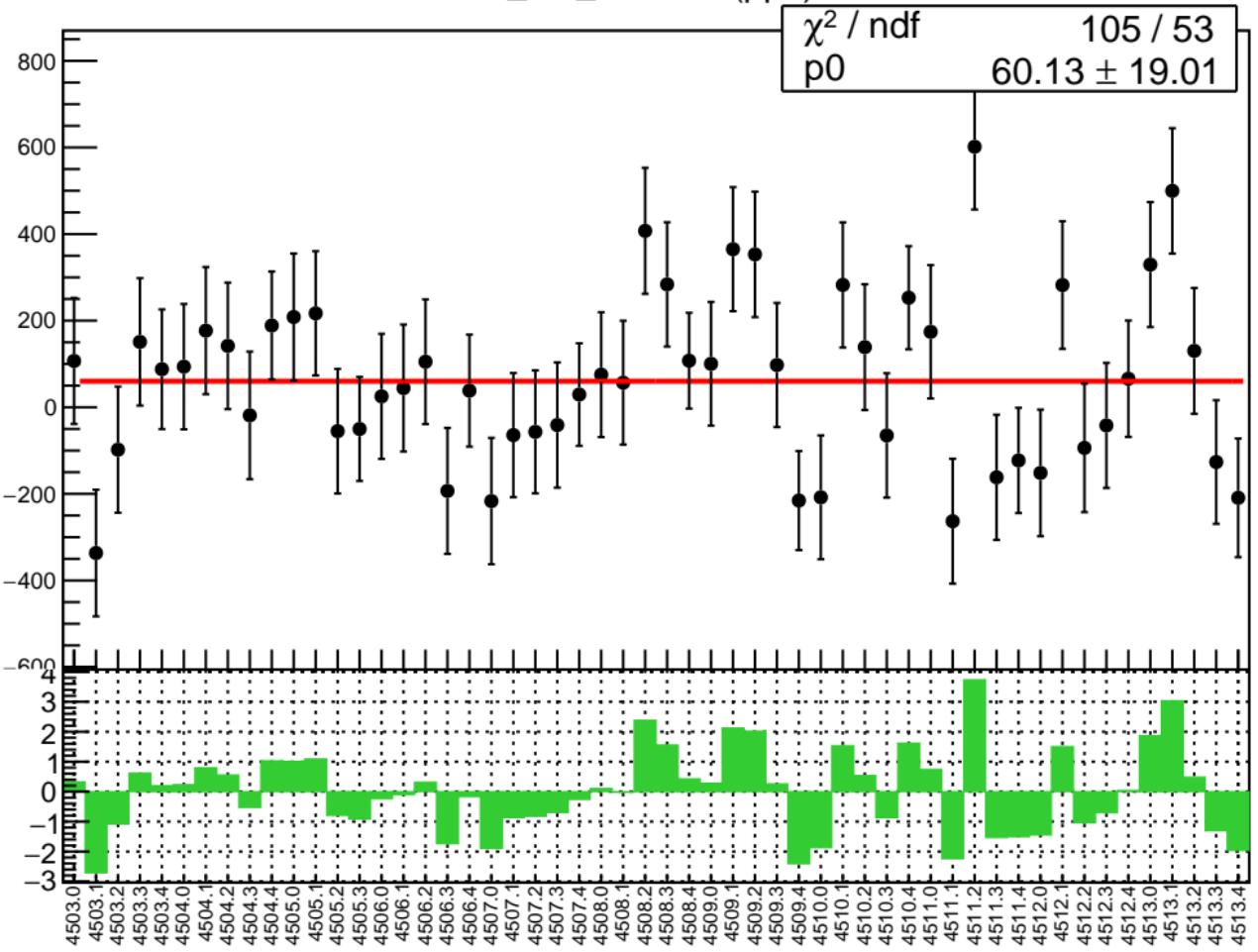
1D pull distribution



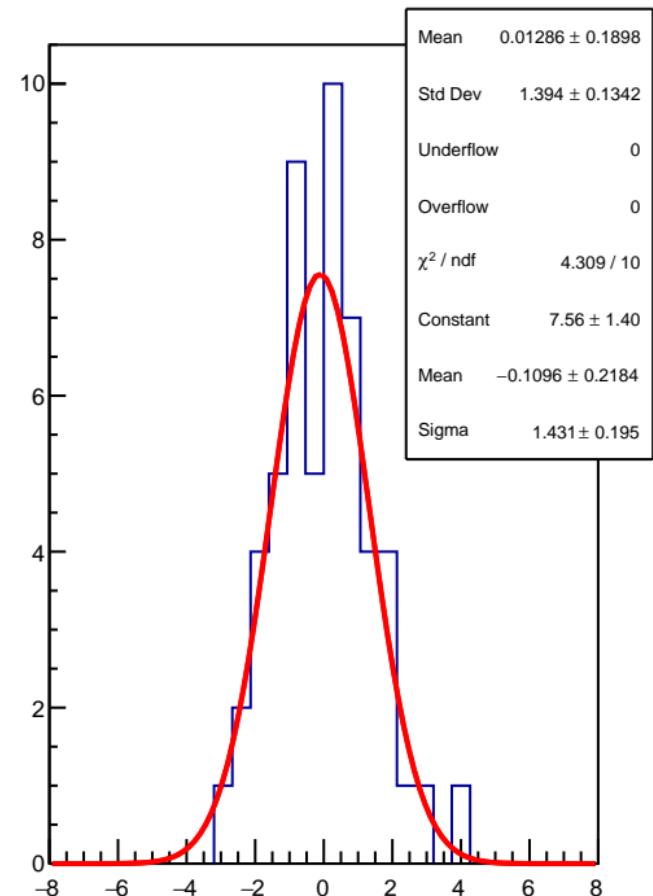
# corr\_usr\_evMon5 RMS (ppm)



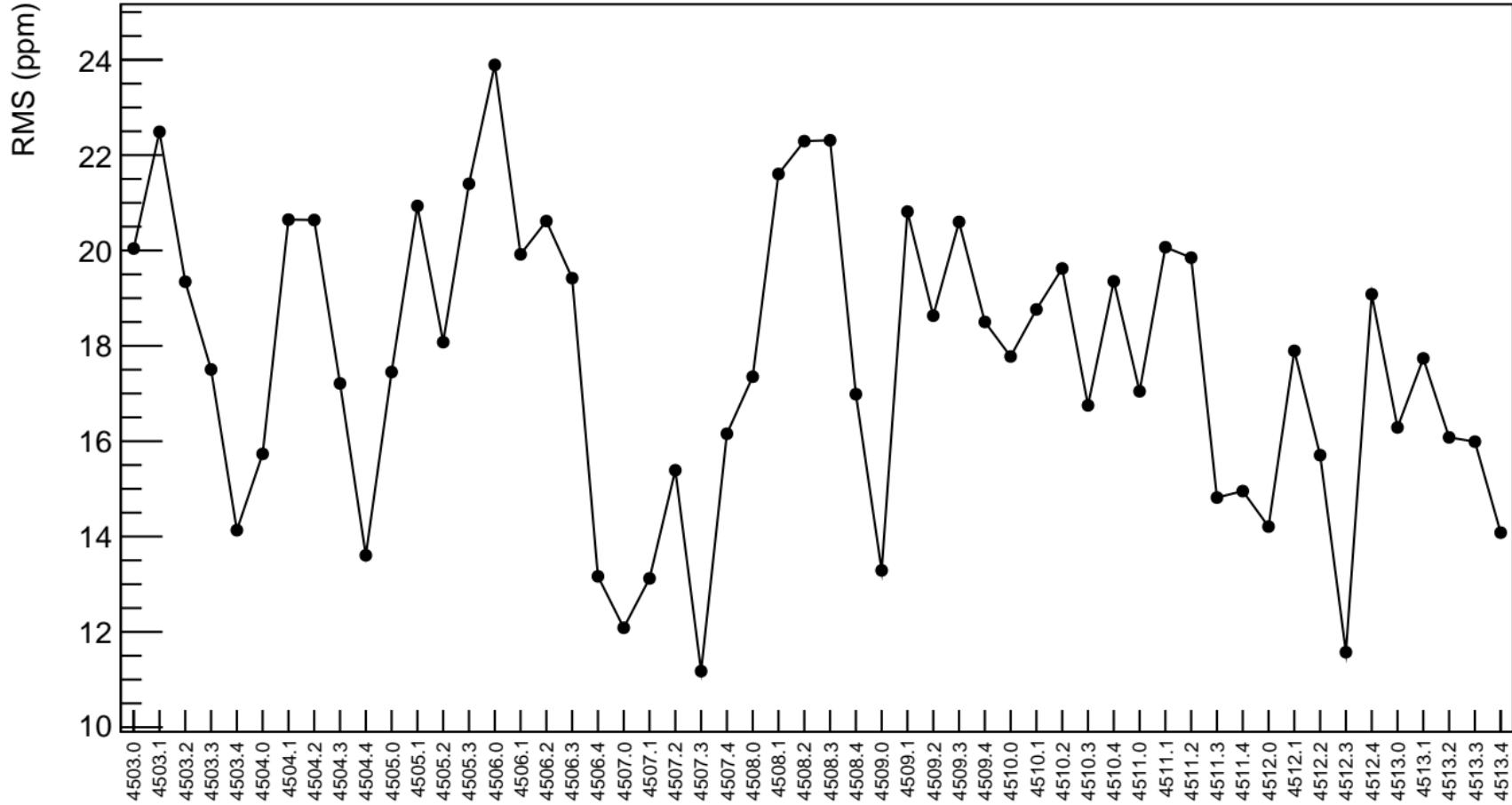
corr\_usr\_evMon6 (ppb)



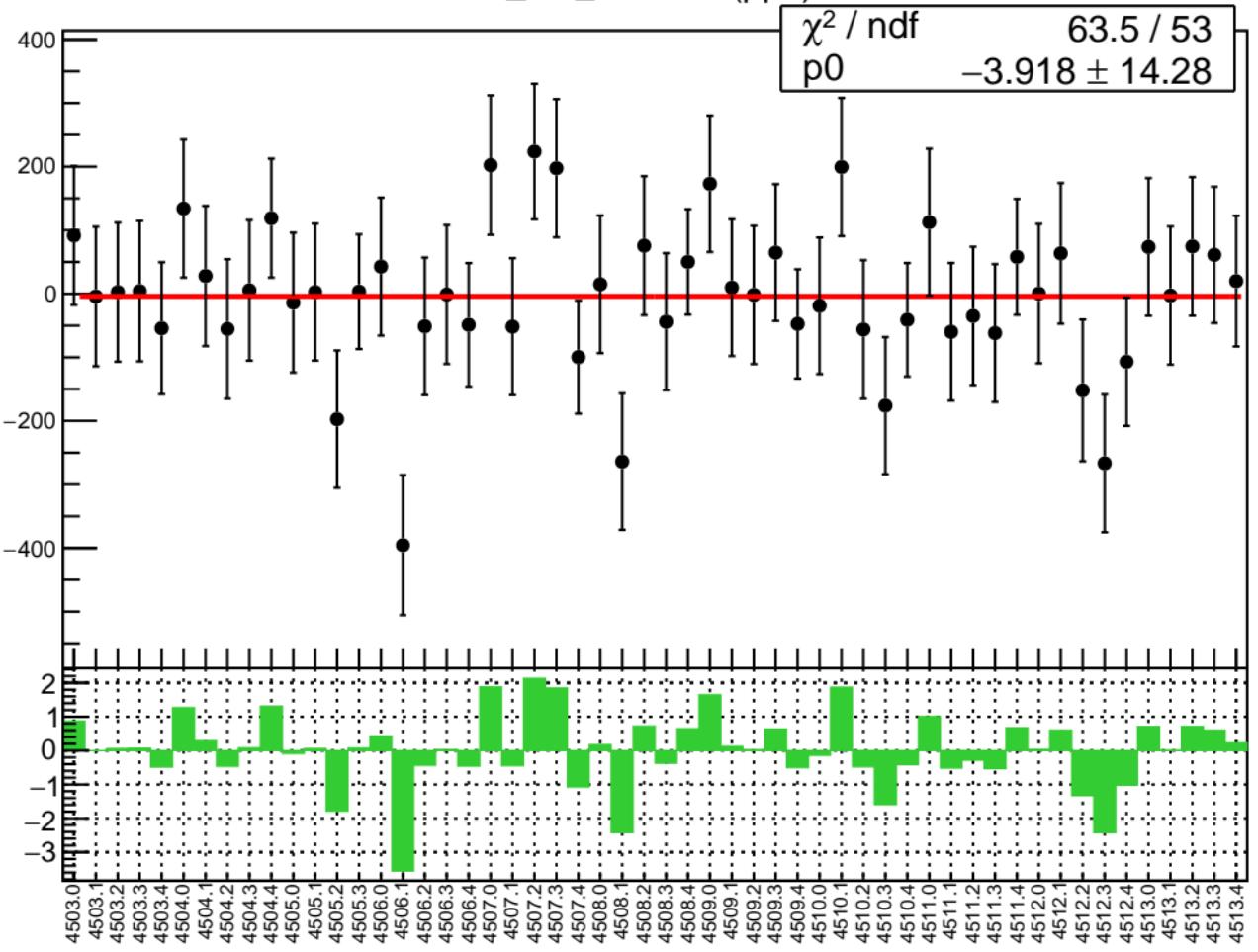
1D pull distribution



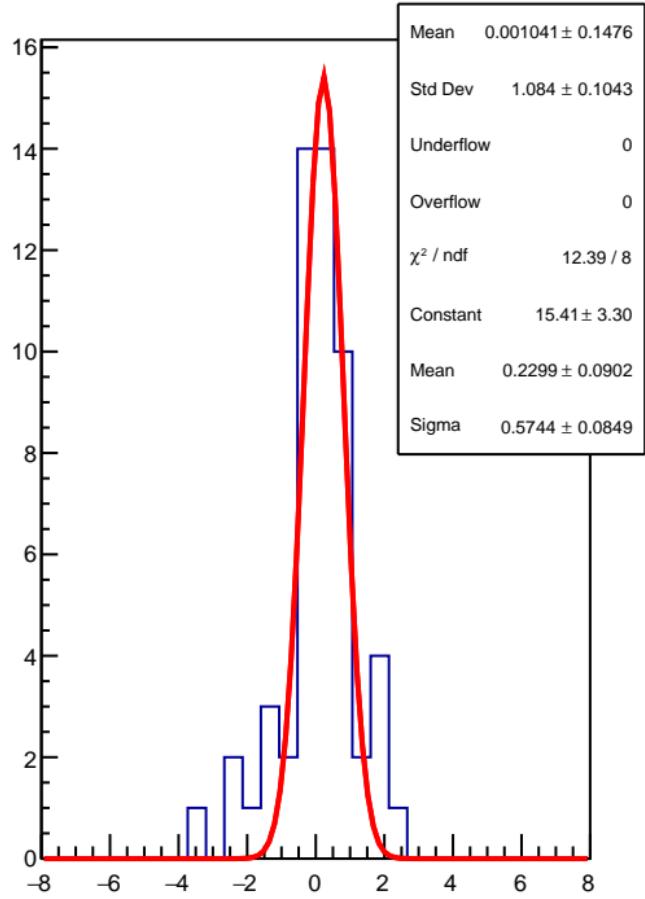
# corr\_usr\_evMon6 RMS (ppm)



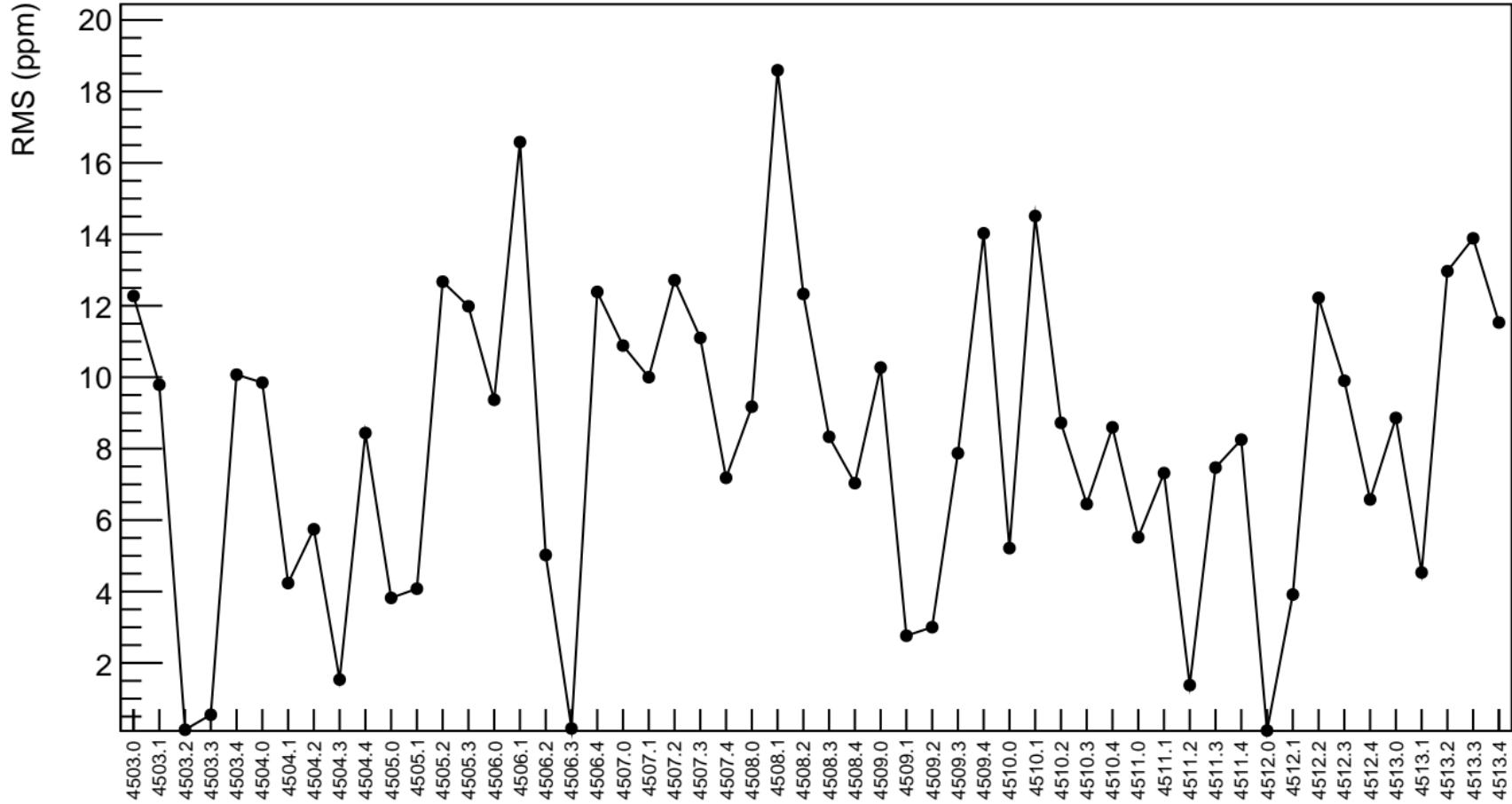
corr\_usr\_evMon7 (ppb)



1D pull distribution

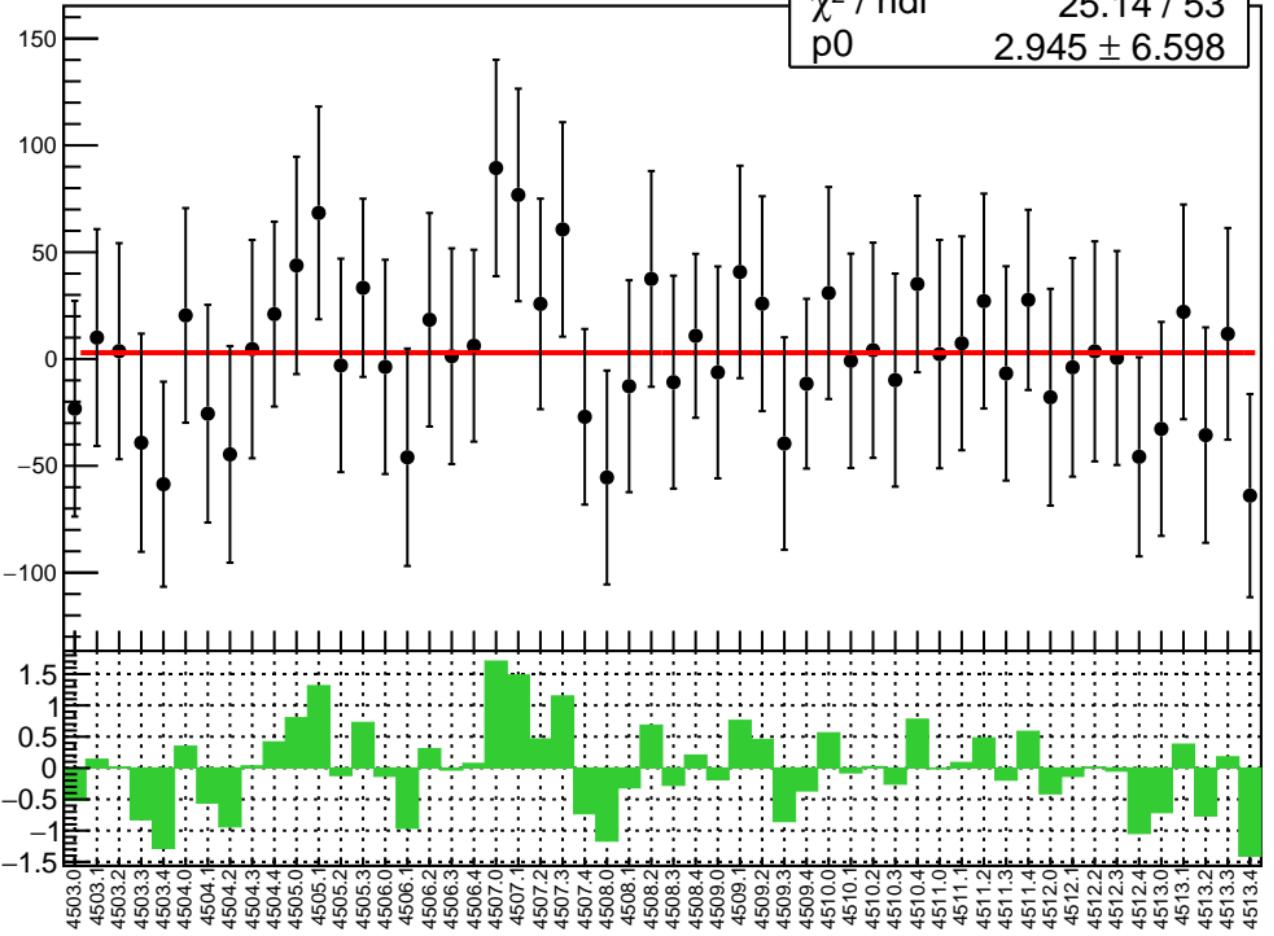


# corr\_usr\_evMon7 RMS (ppm)

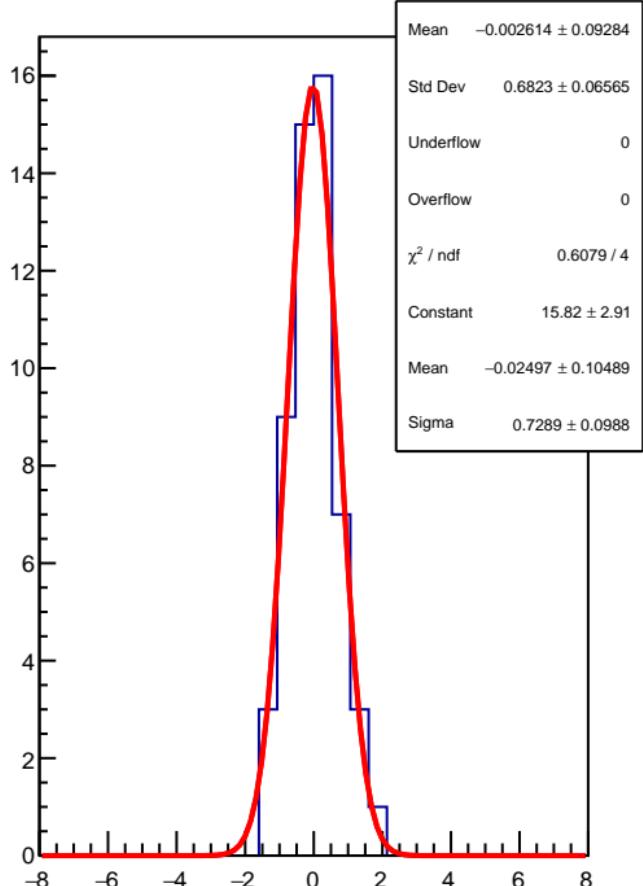


corr\_usr\_evMon8 (ppb)

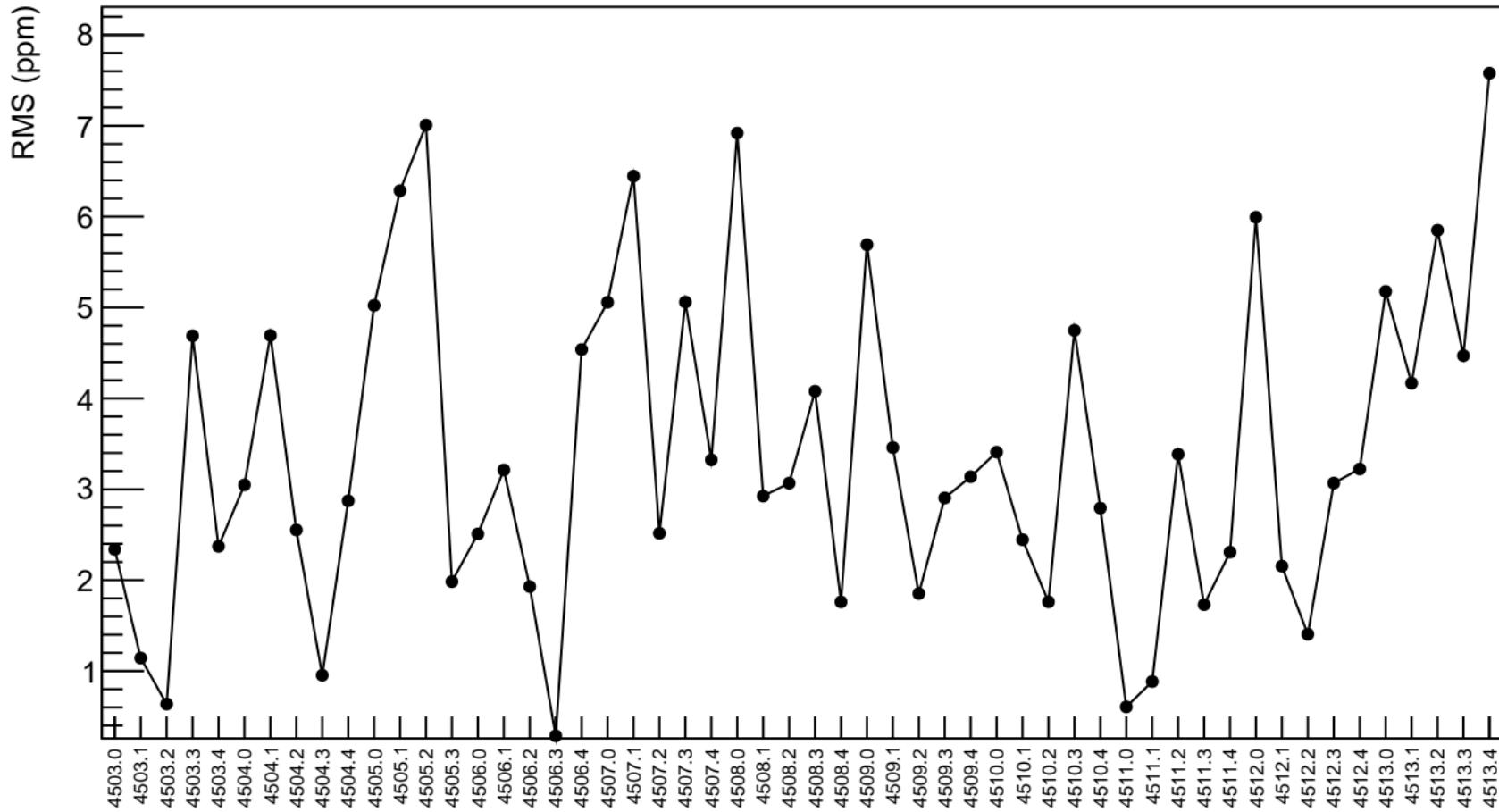
$\chi^2 / \text{ndf}$  25.14 / 53  
 $p_0$   $2.945 \pm 6.598$



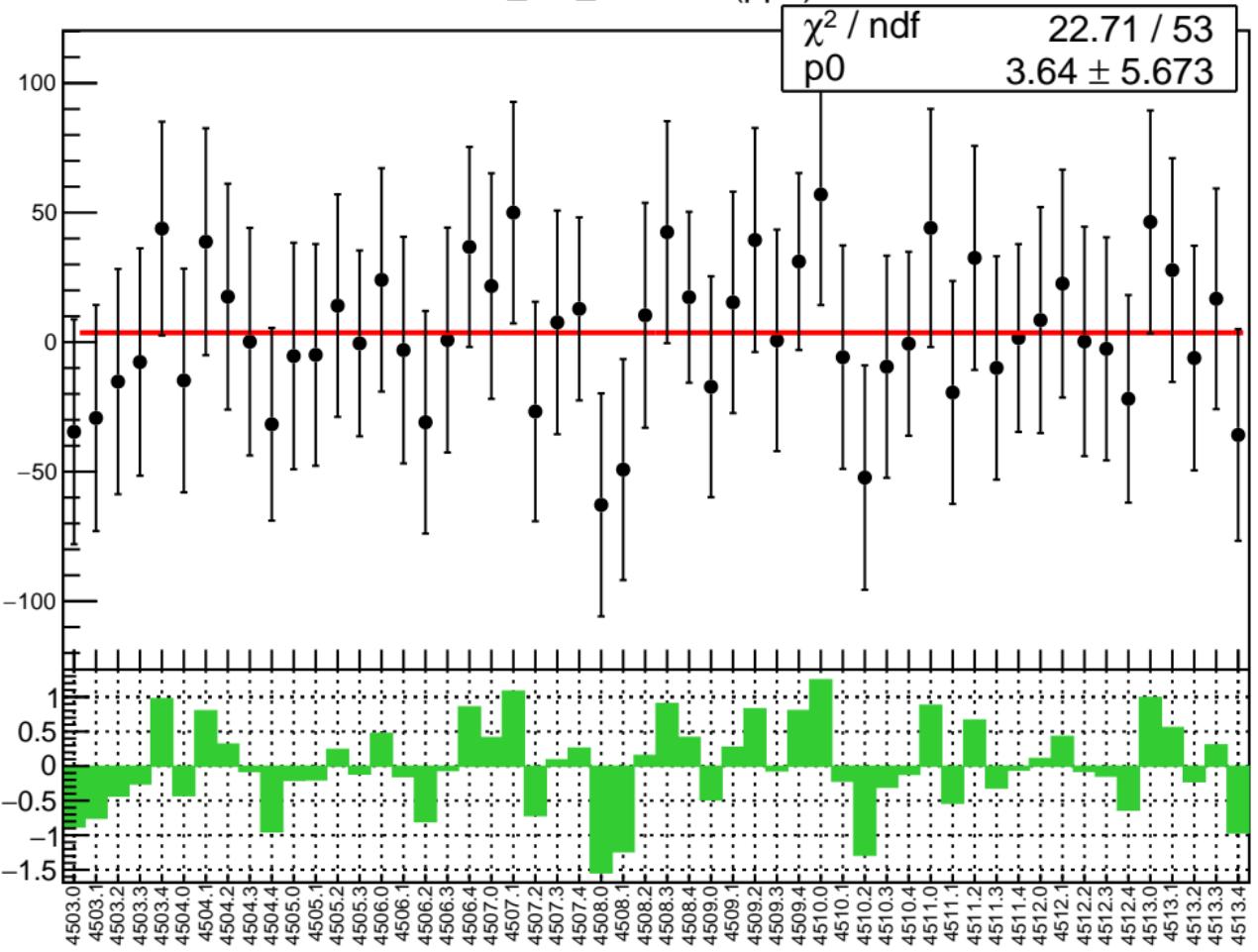
1D pull distribution



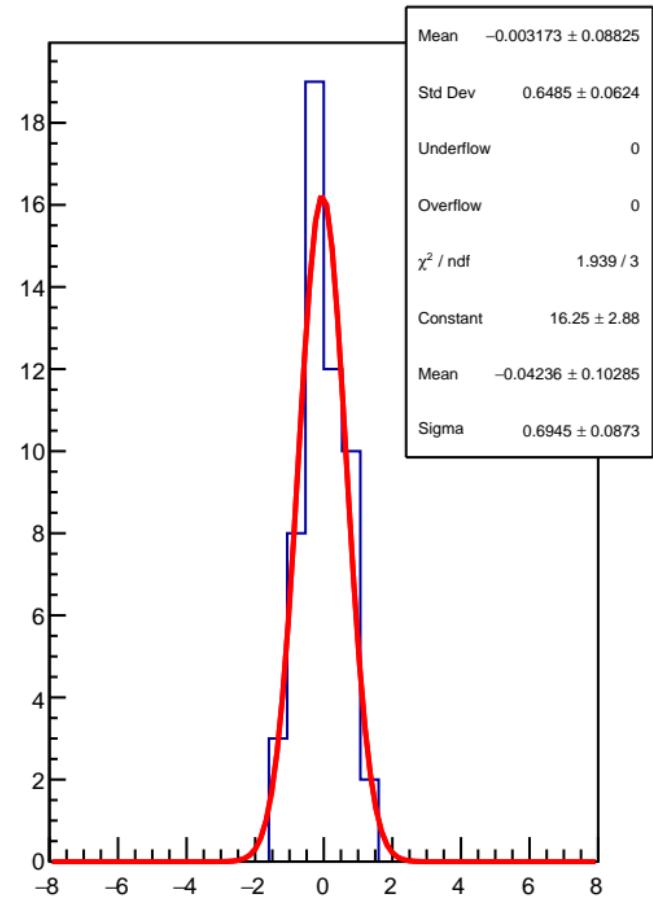
# corr\_usr\_evMon8 RMS (ppm)



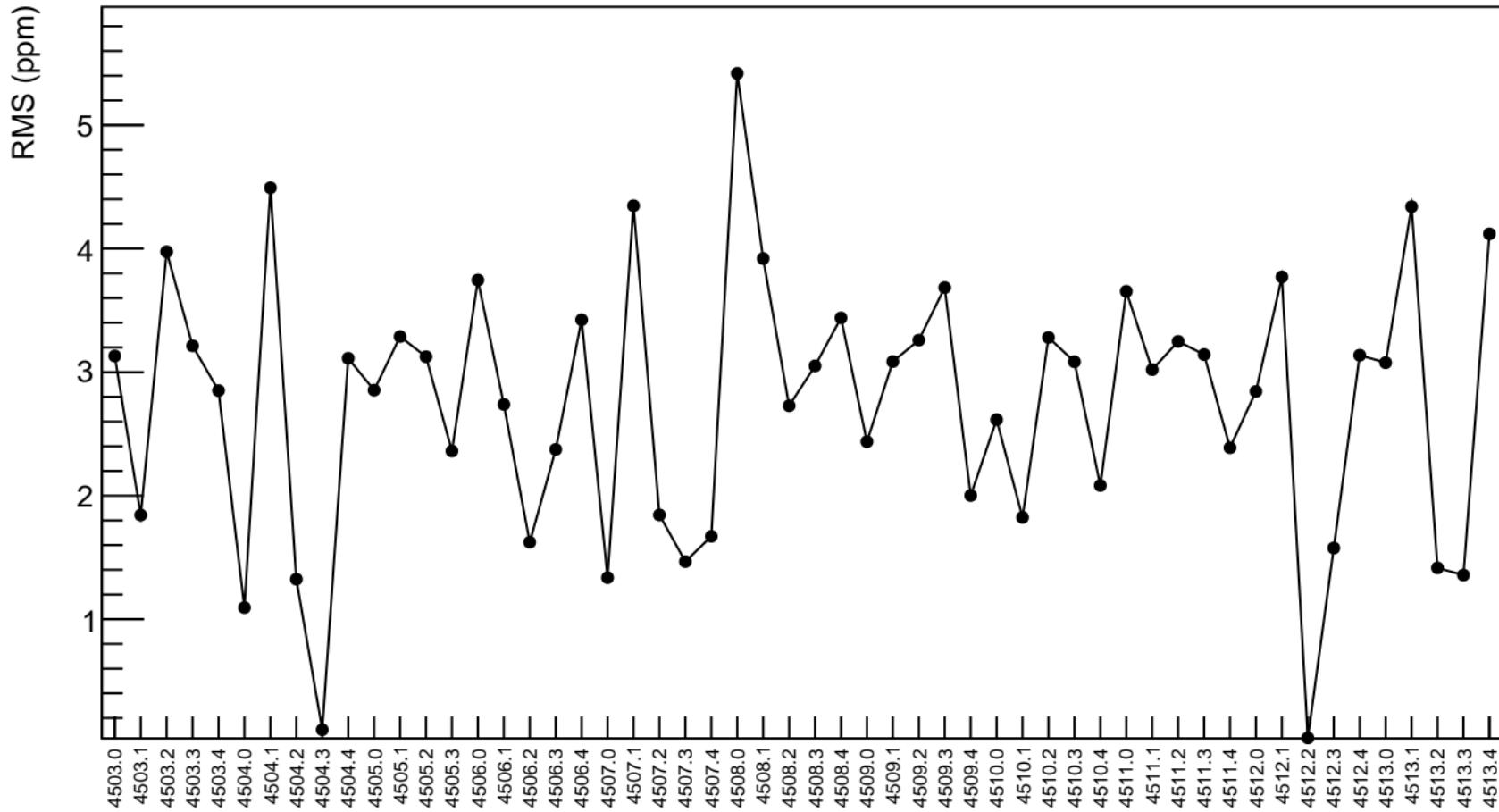
corr\_usr\_evMon9 (ppb)



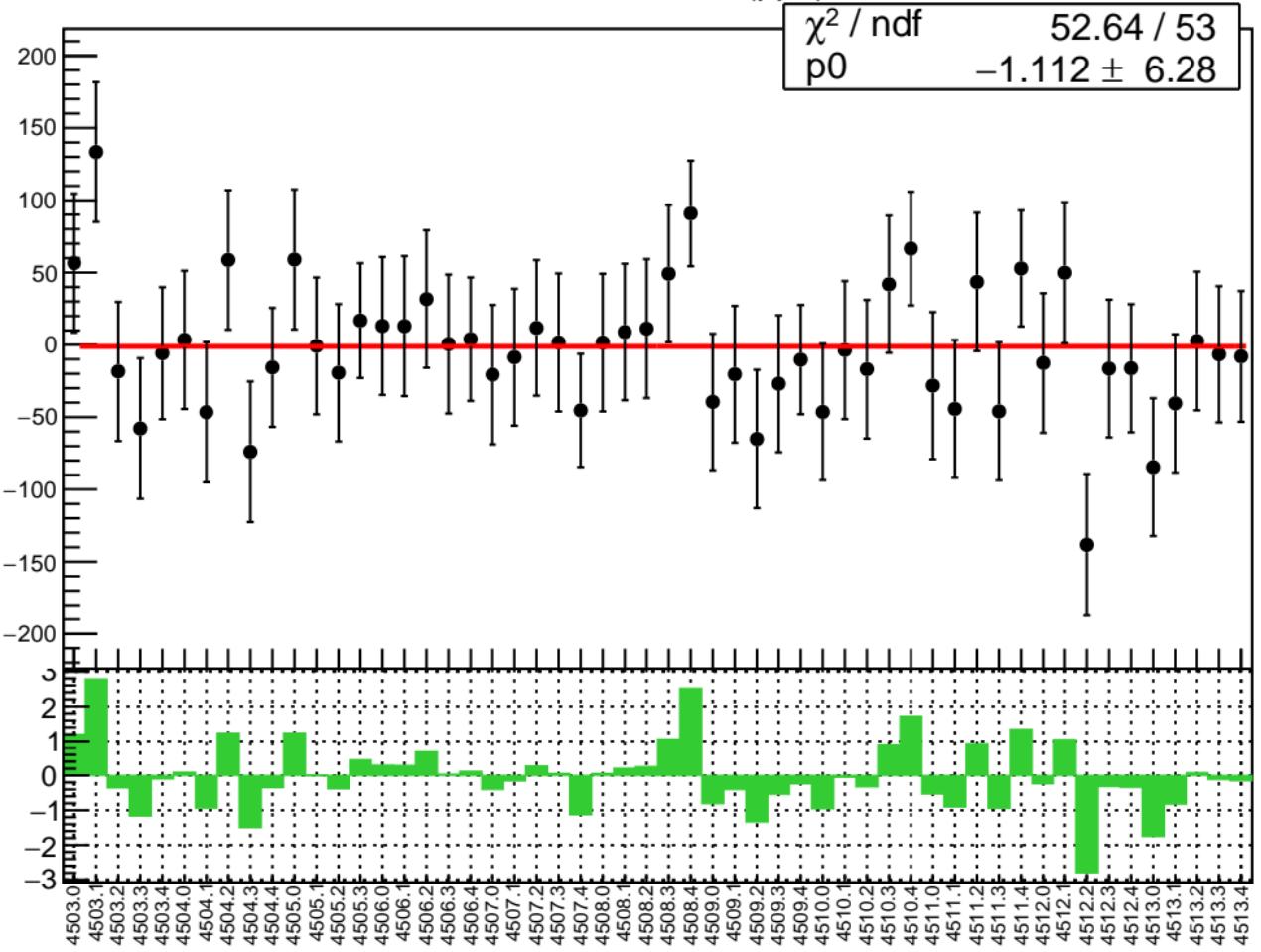
1D pull distribution



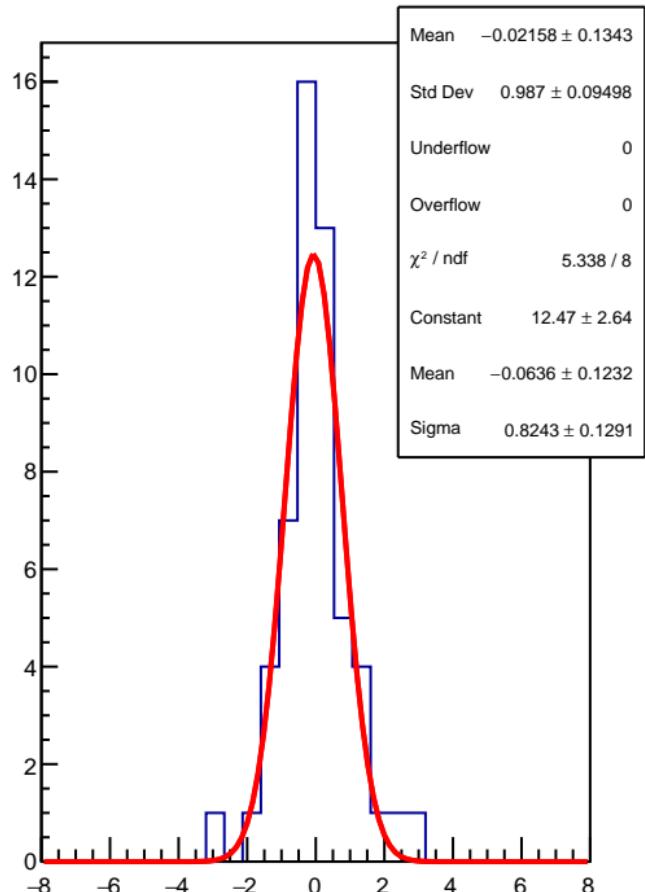
# corr\_usr\_evMon9 RMS (ppm)



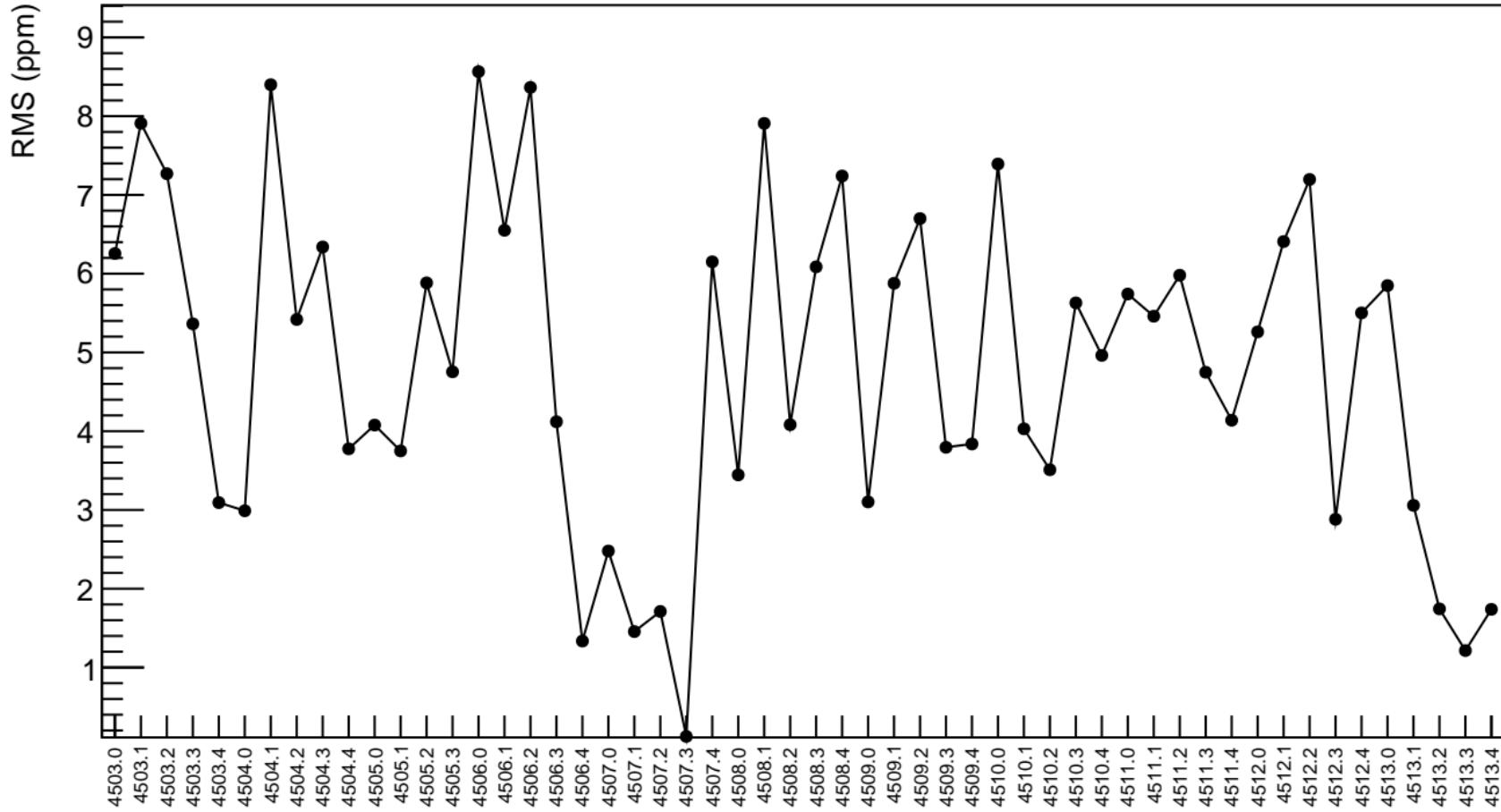
corr\_usr\_evMon10 (ppb)



1D pull distribution

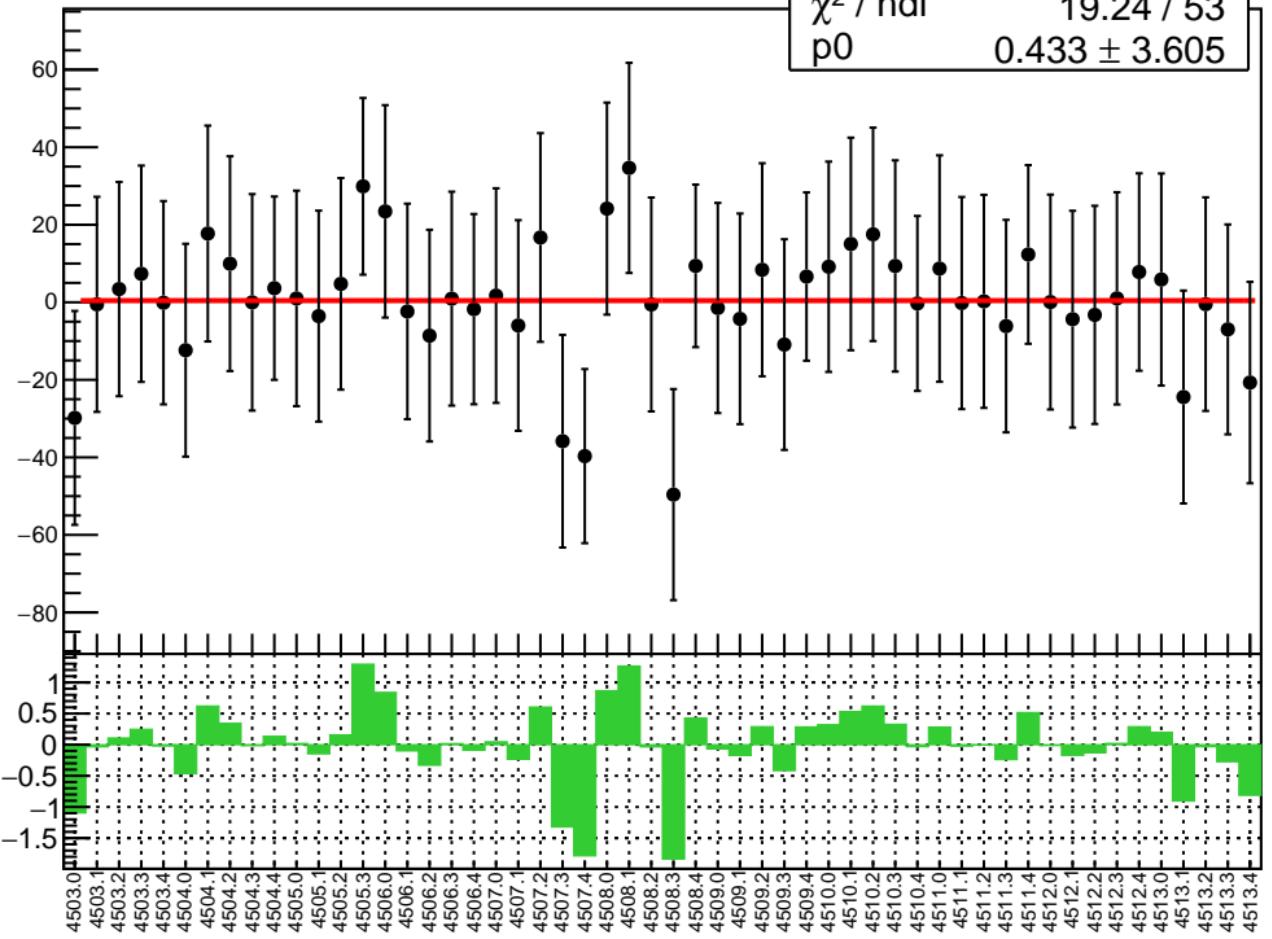


# corr\_usr\_evMon10 RMS (ppm)

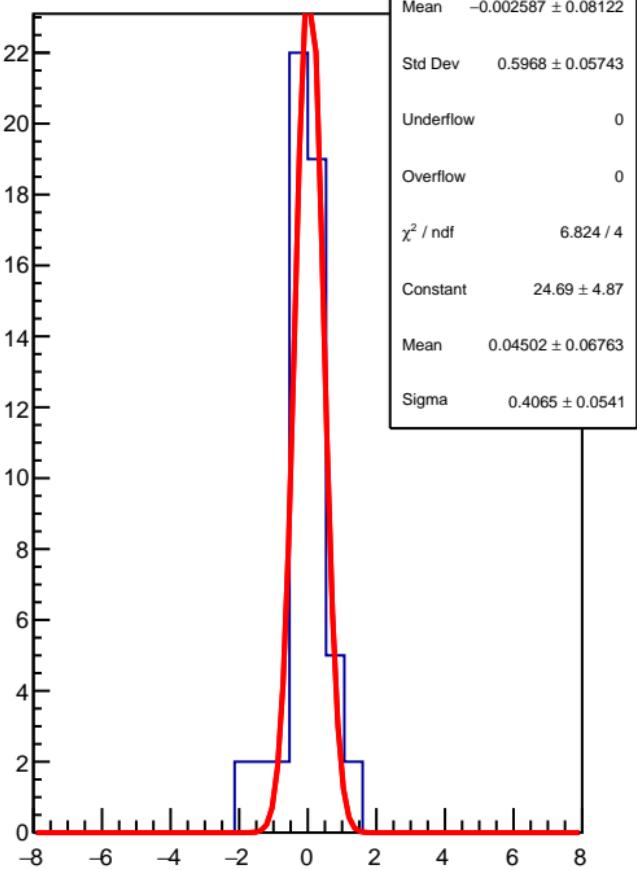


corr\_usr\_evMon11 (ppb)

$\chi^2 / \text{ndf}$  19.24 / 53  
p0  $0.433 \pm 3.605$



1D pull distribution



# corr\_usr\_evMon11 RMS (ppm)

RMS (ppm)

