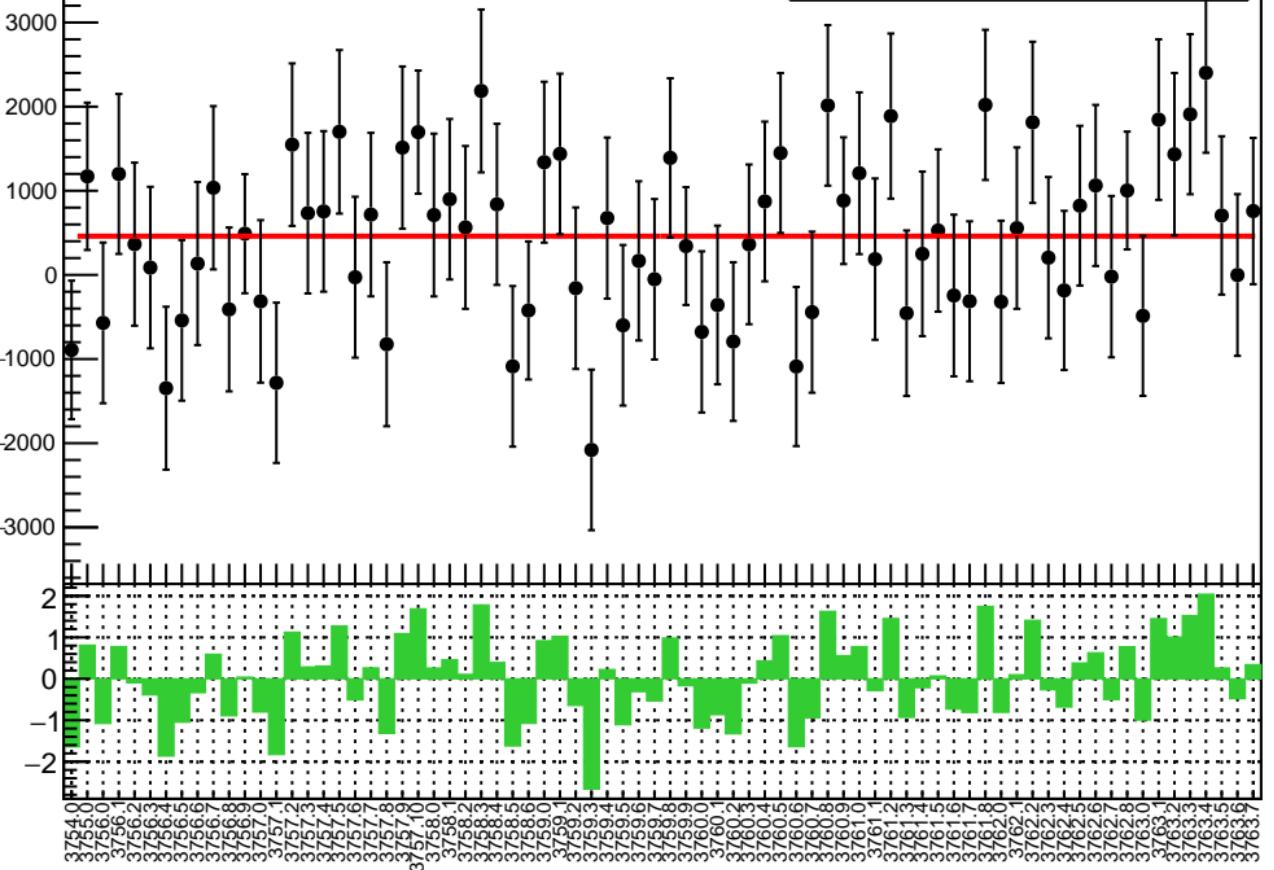


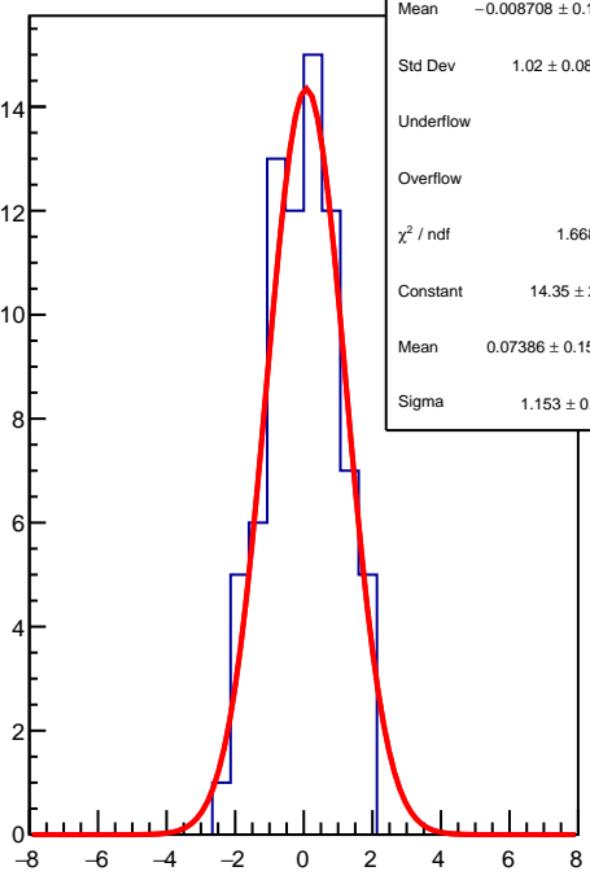
Adet (ppb)

$\chi^2 / \text{ndf}$   
79.15 / 75  
 $p_0$   
 $460.5 \pm 106.4$



1D pull distribution

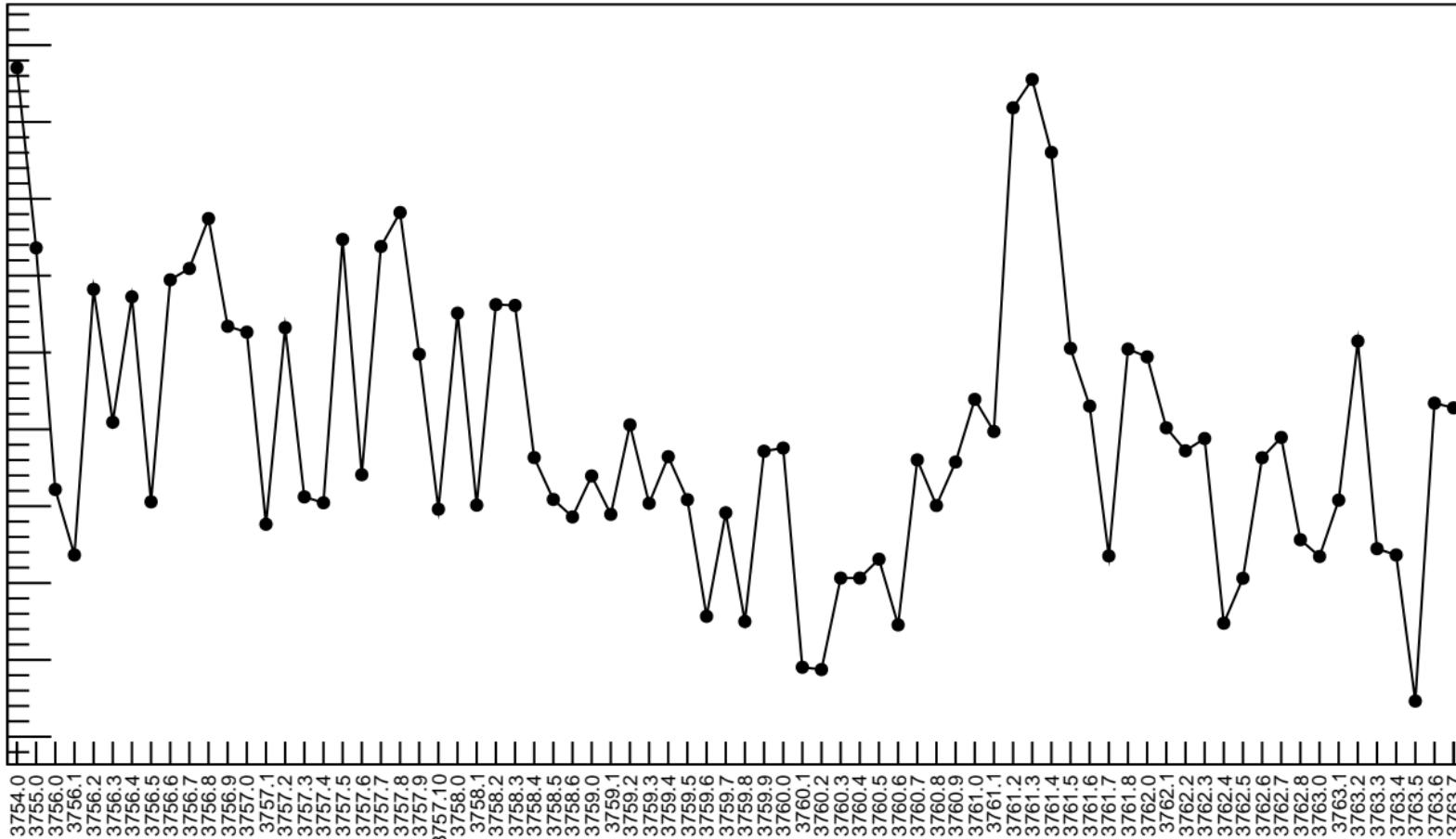
Mean  $-0.008708 \pm 0.1171$   
Std Dev  $1.02 \pm 0.08277$   
Underflow 0  
Overflow 0  
 $\chi^2 / \text{ndf}$  1.668 / 6  
Constant  $14.35 \pm 2.13$   
Mean  $0.07386 \pm 0.15911$   
Sigma  $1.153 \pm 0.139$



# Adet RMS (ppm)

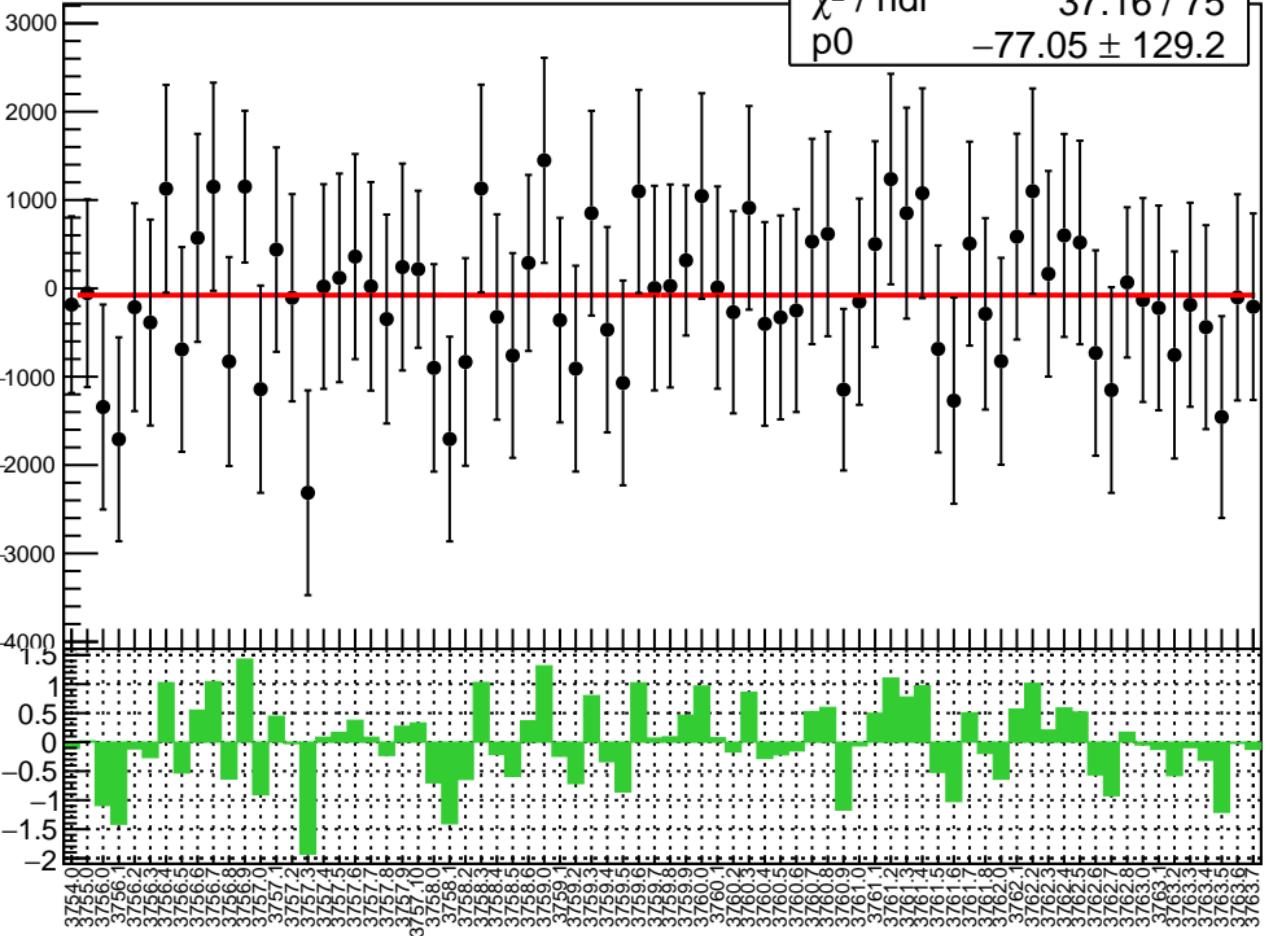
RMS (ppm)

93.5  
93  
92.5  
92  
91.5  
91  
90.5  
90  
89.5  
89

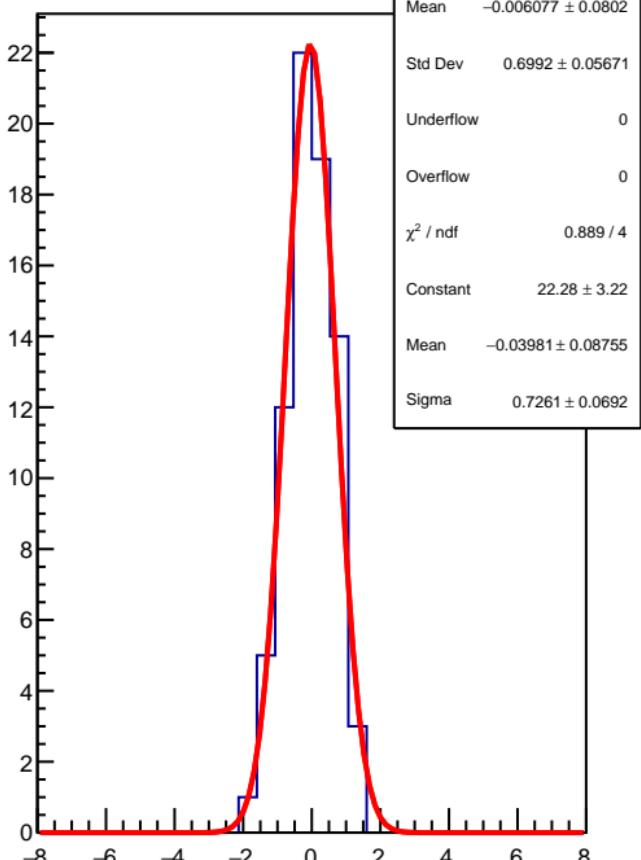


corr\_Adet\_evMon0 (ppb)

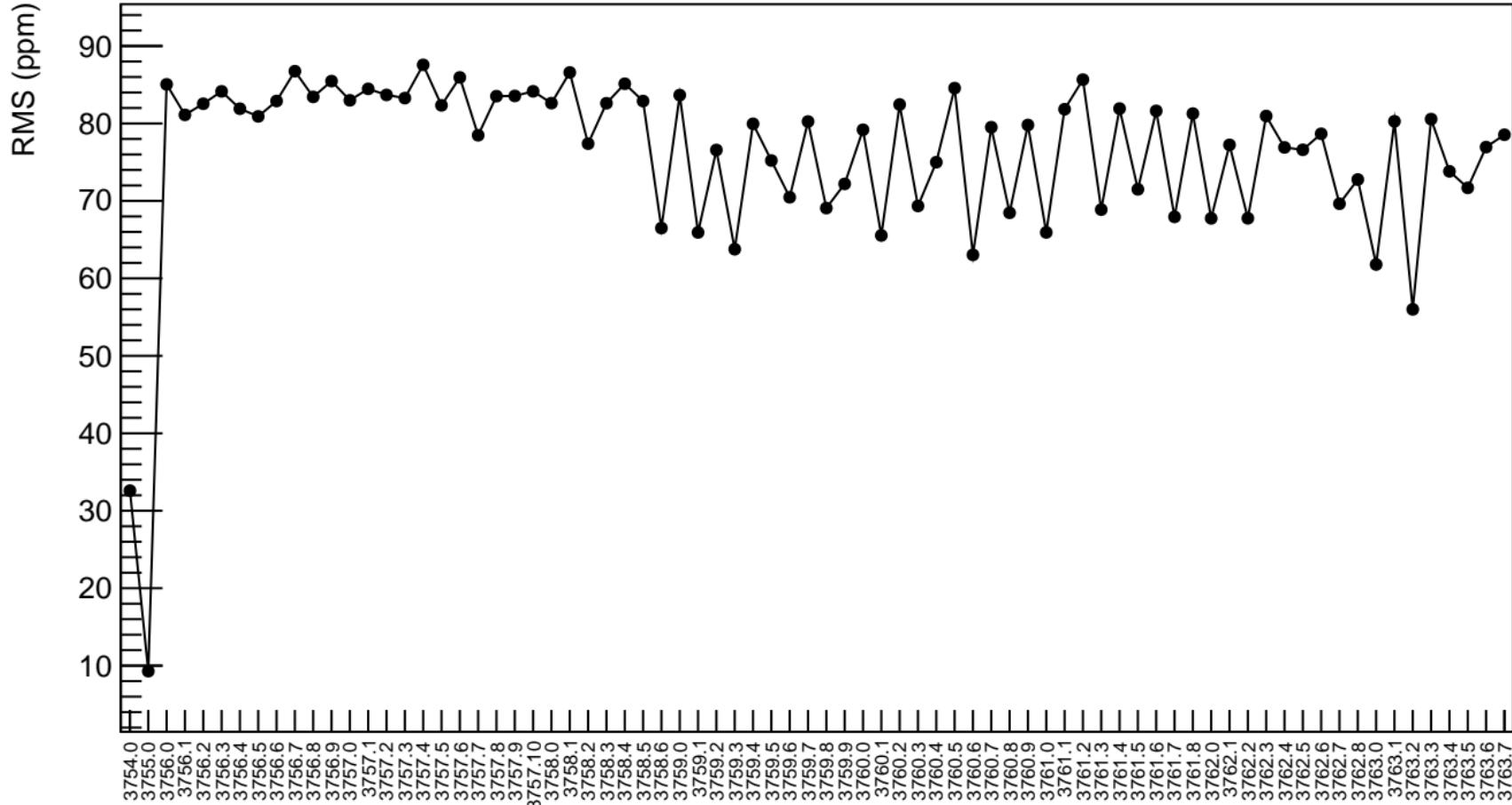
$\chi^2 / \text{ndf}$  37.16 / 75  
 $p_0$   $-77.05 \pm 129.2$



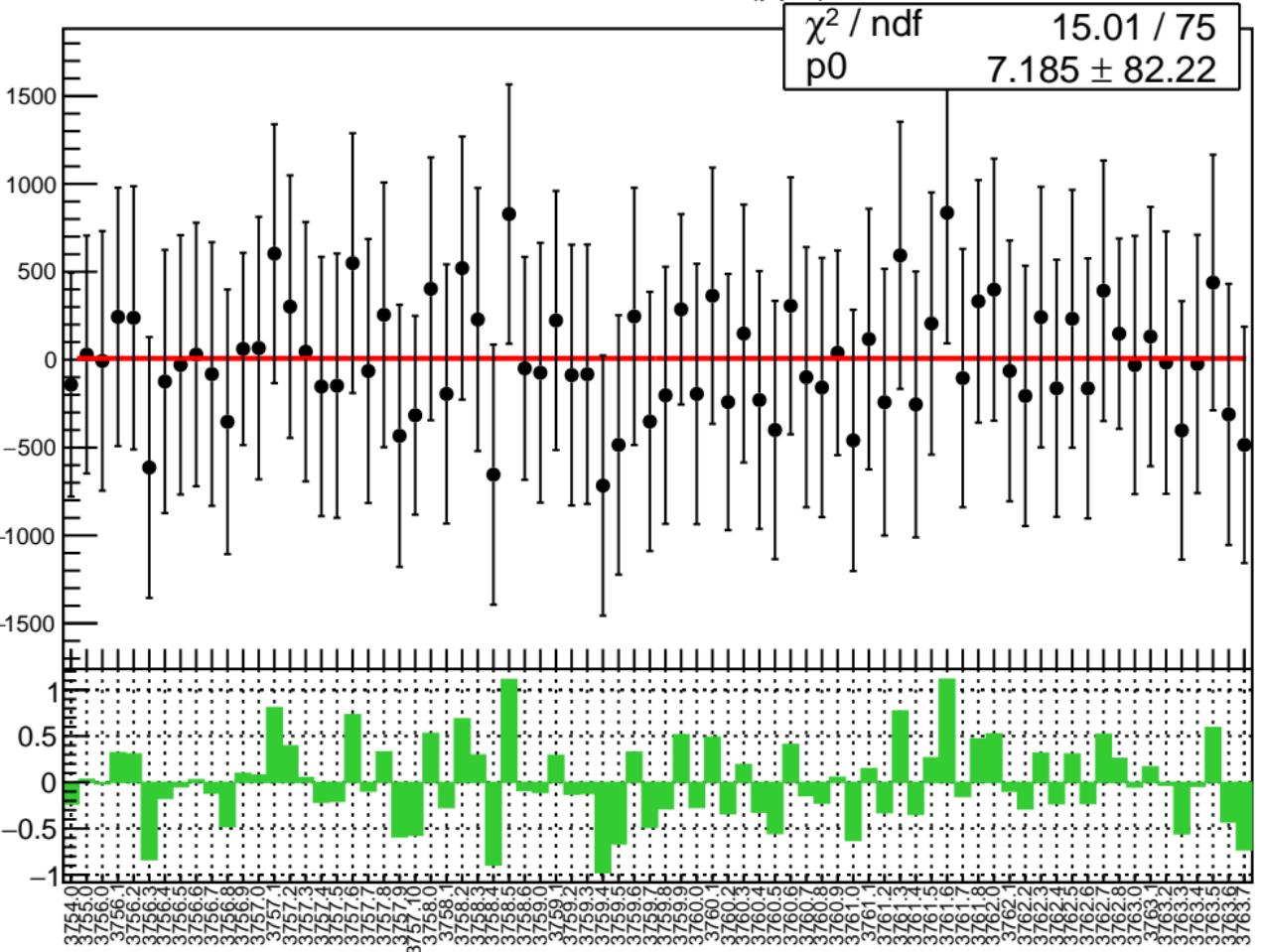
1D pull distribution



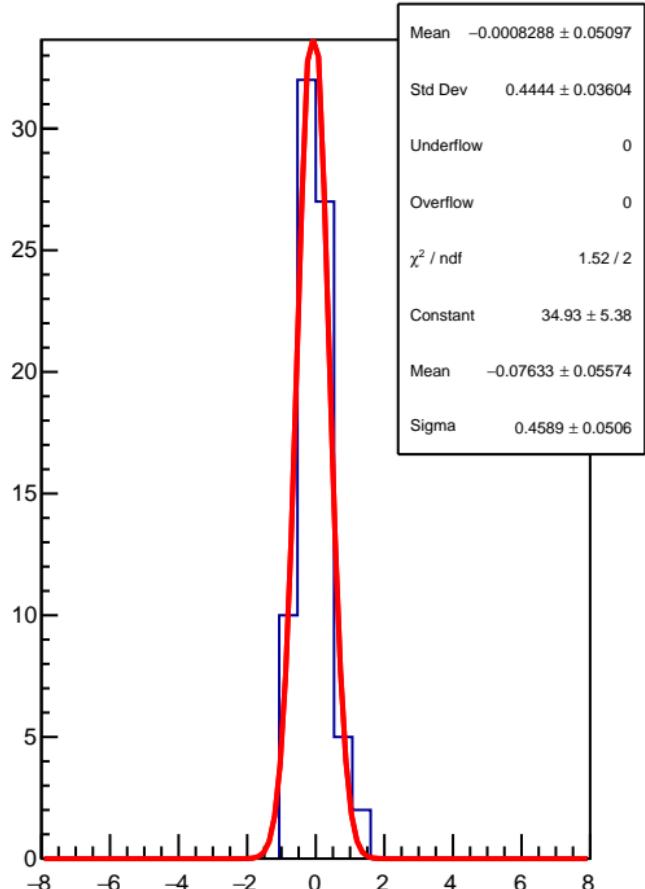
# corr\_Adet\_evMon0 RMS (ppm)



corr\_Adet\_evMon1 (ppb)

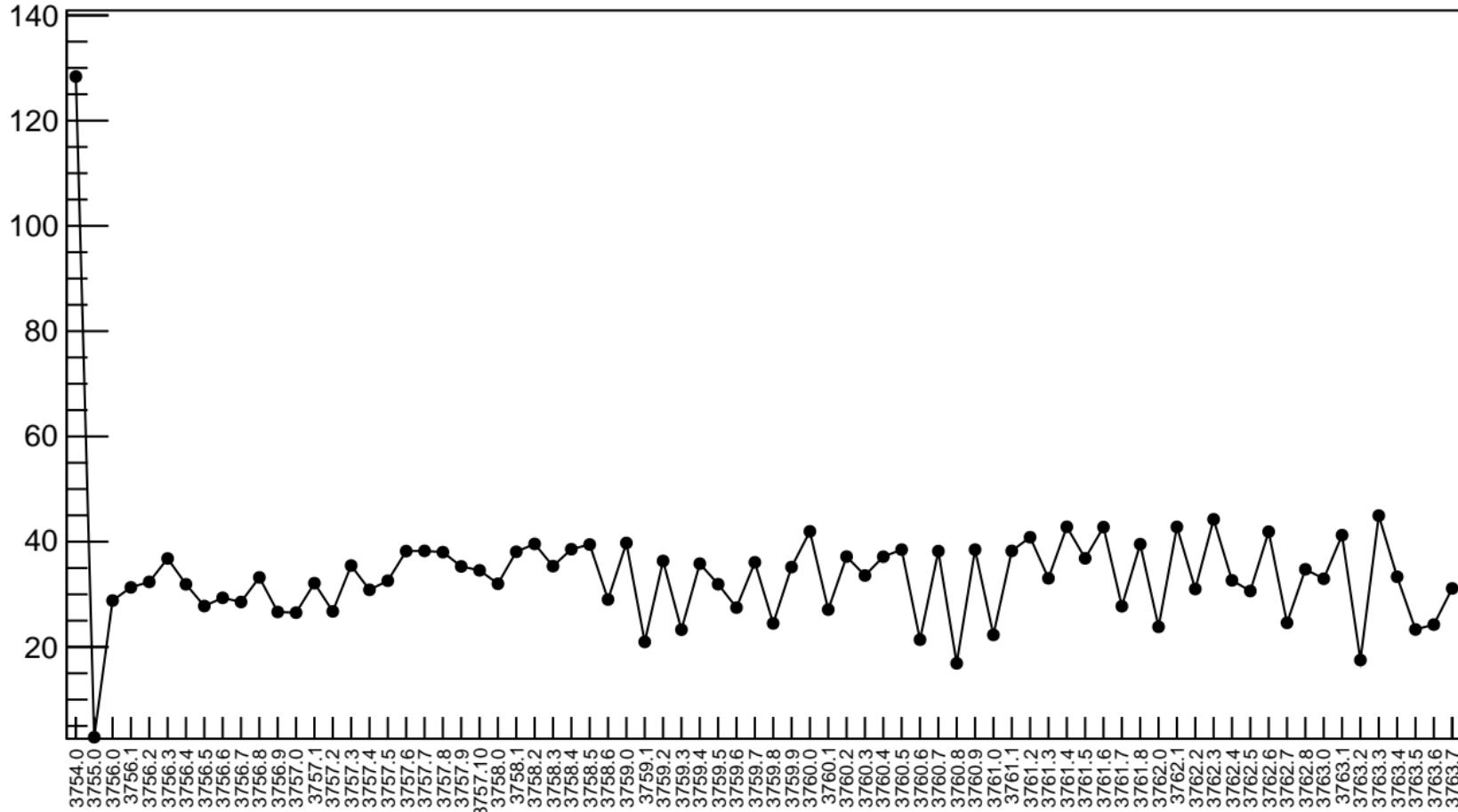


1D pull distribution



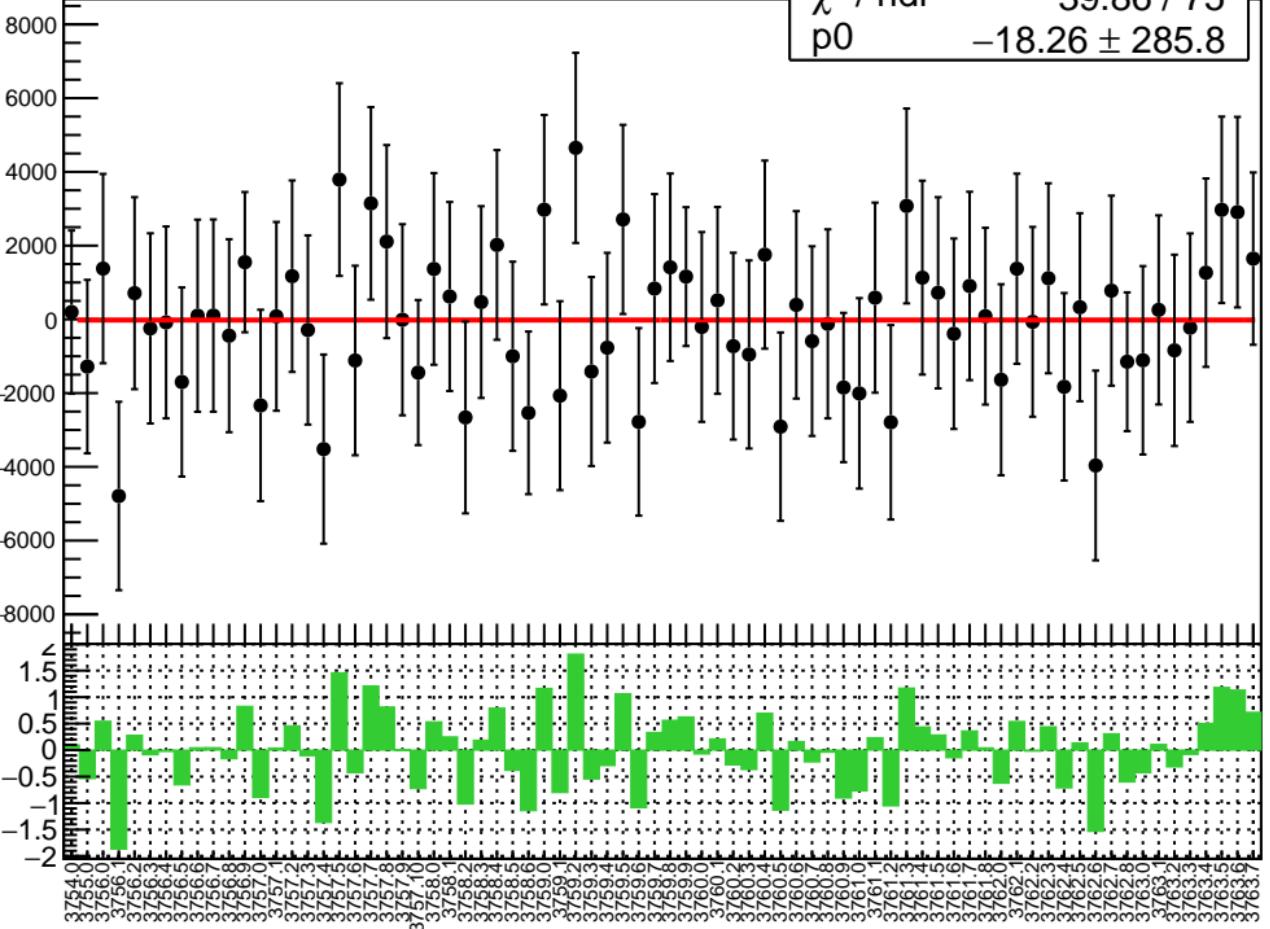
# corr\_Adet\_evMon1 RMS (ppm)

RMS (ppm)

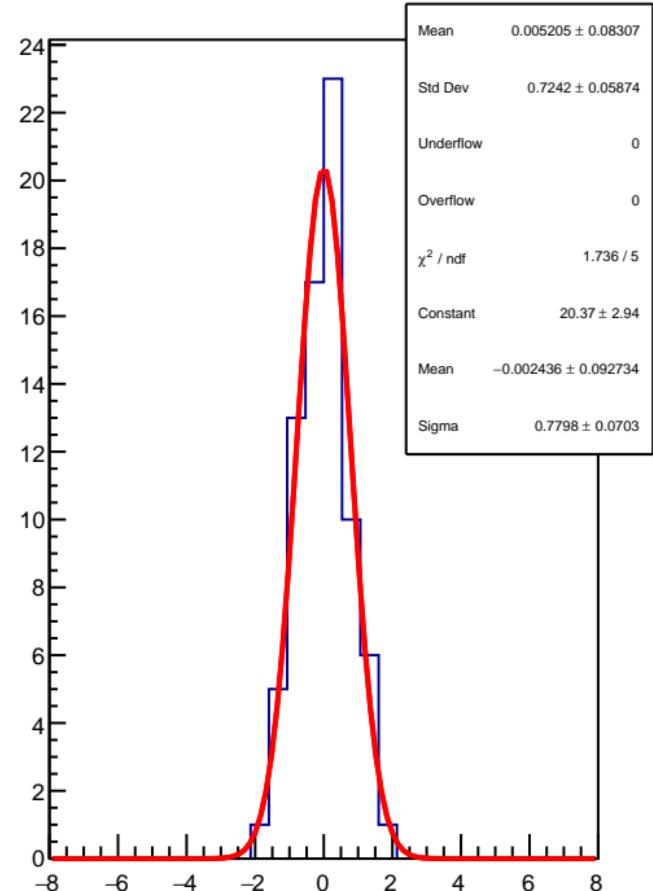


corr\_Adet\_evMon2 (ppb)

$\chi^2 / \text{ndf}$  39.86 / 75  
p0  $-18.26 \pm 285.8$

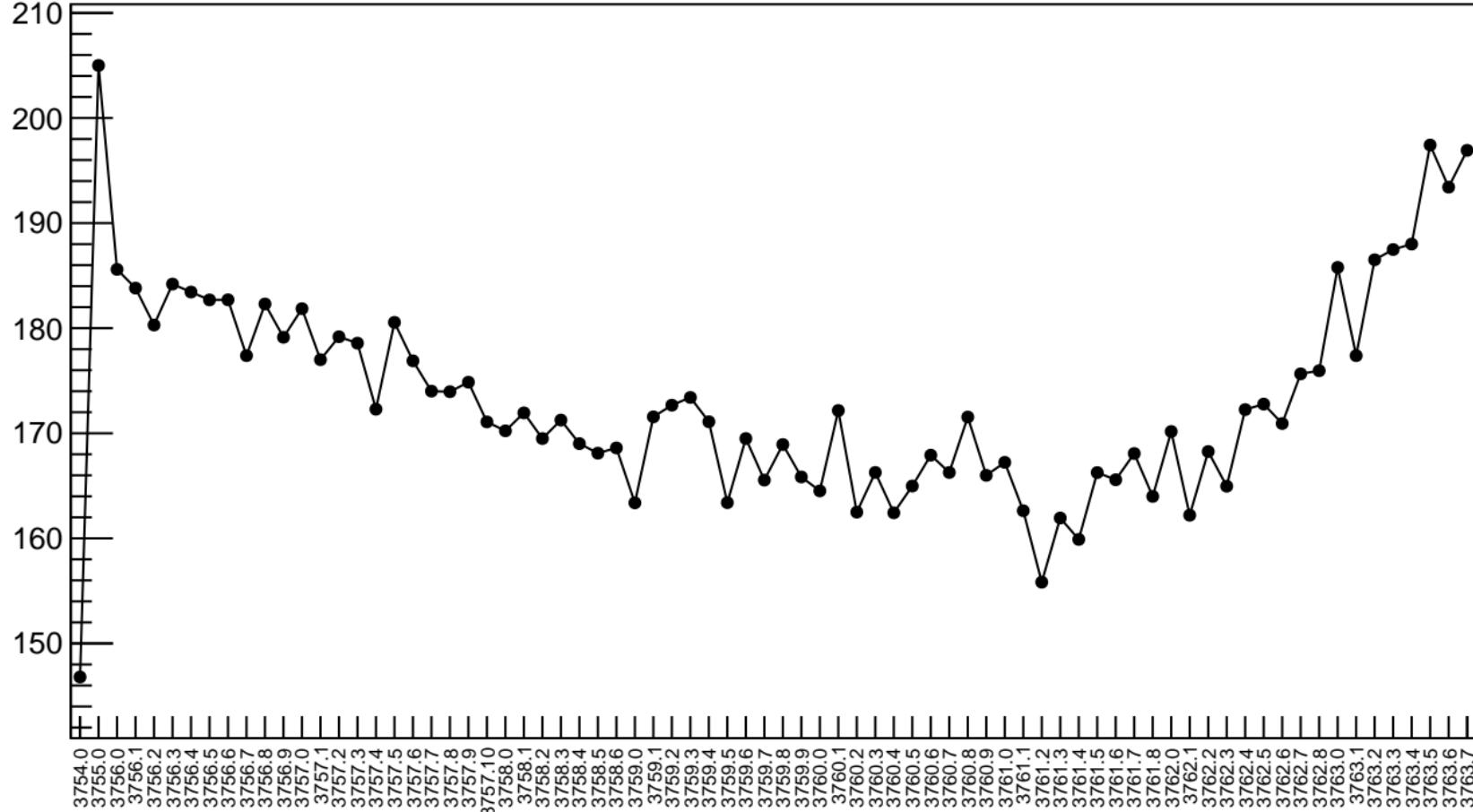


1D pull distribution



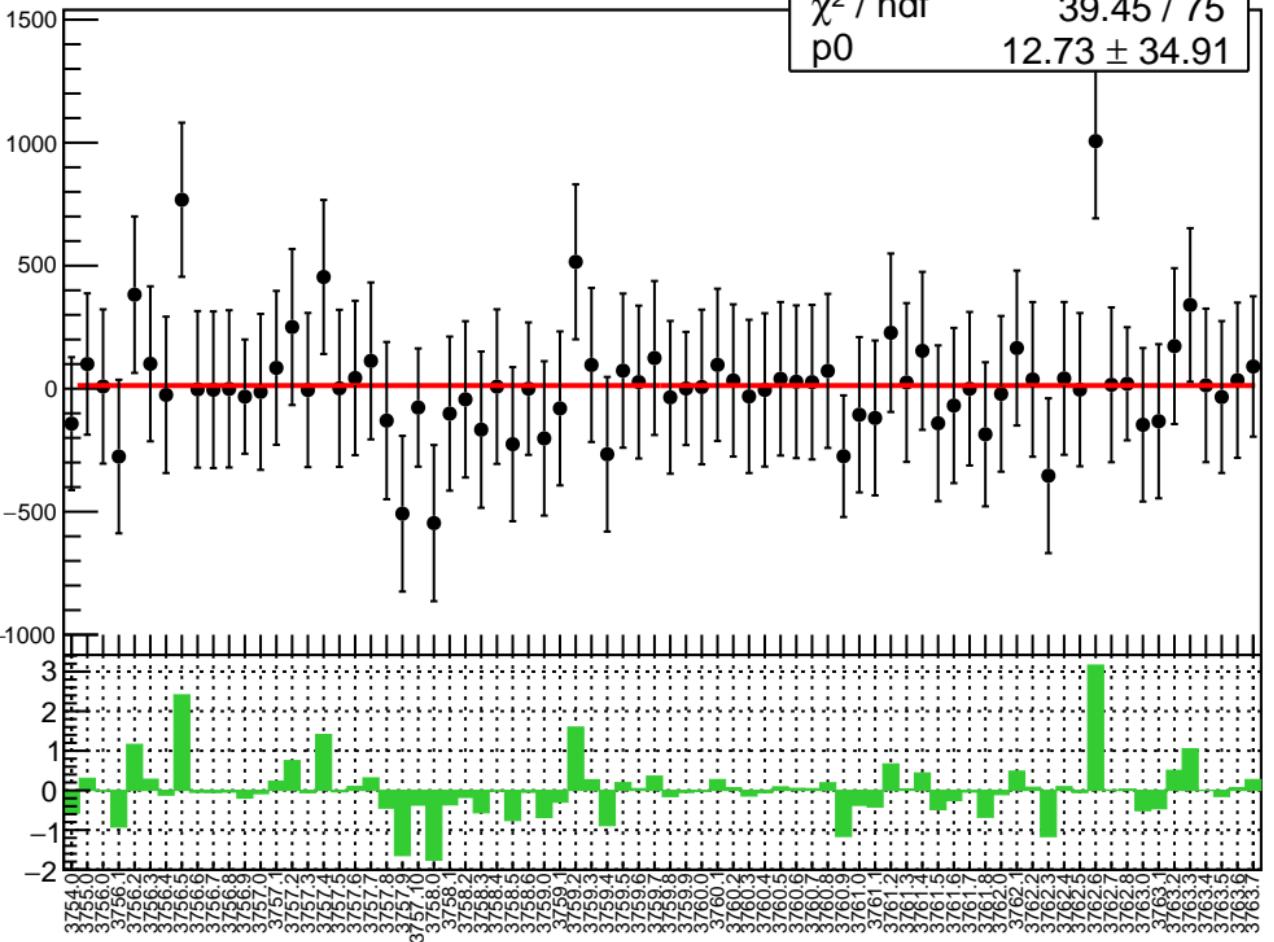
# corr\_Adet\_evMon2 RMS (ppm)

RMS (ppm)

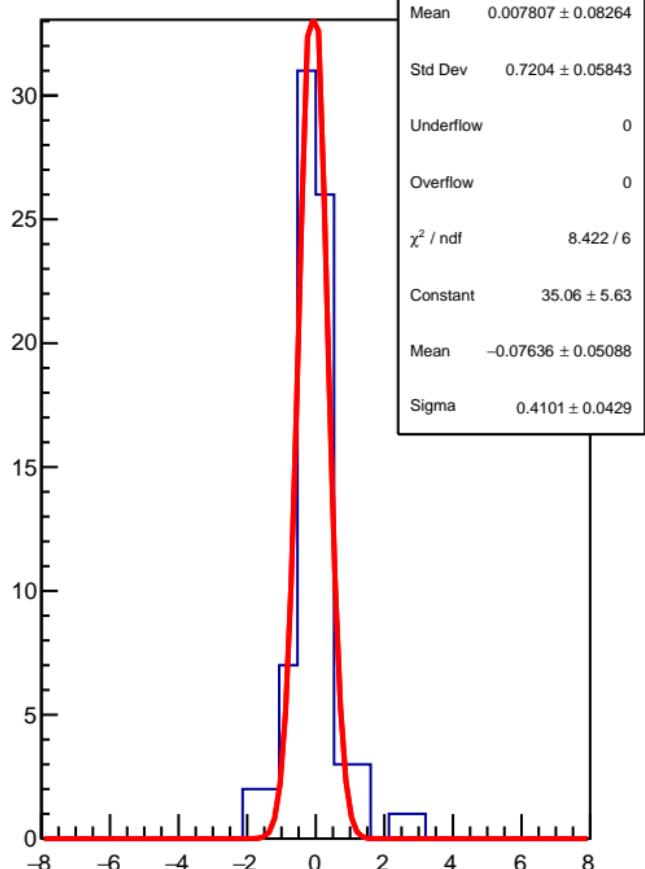


corr\_Adet\_evMon3 (ppb)

$\chi^2 / \text{ndf}$  39.45 / 75  
p0  $12.73 \pm 34.91$

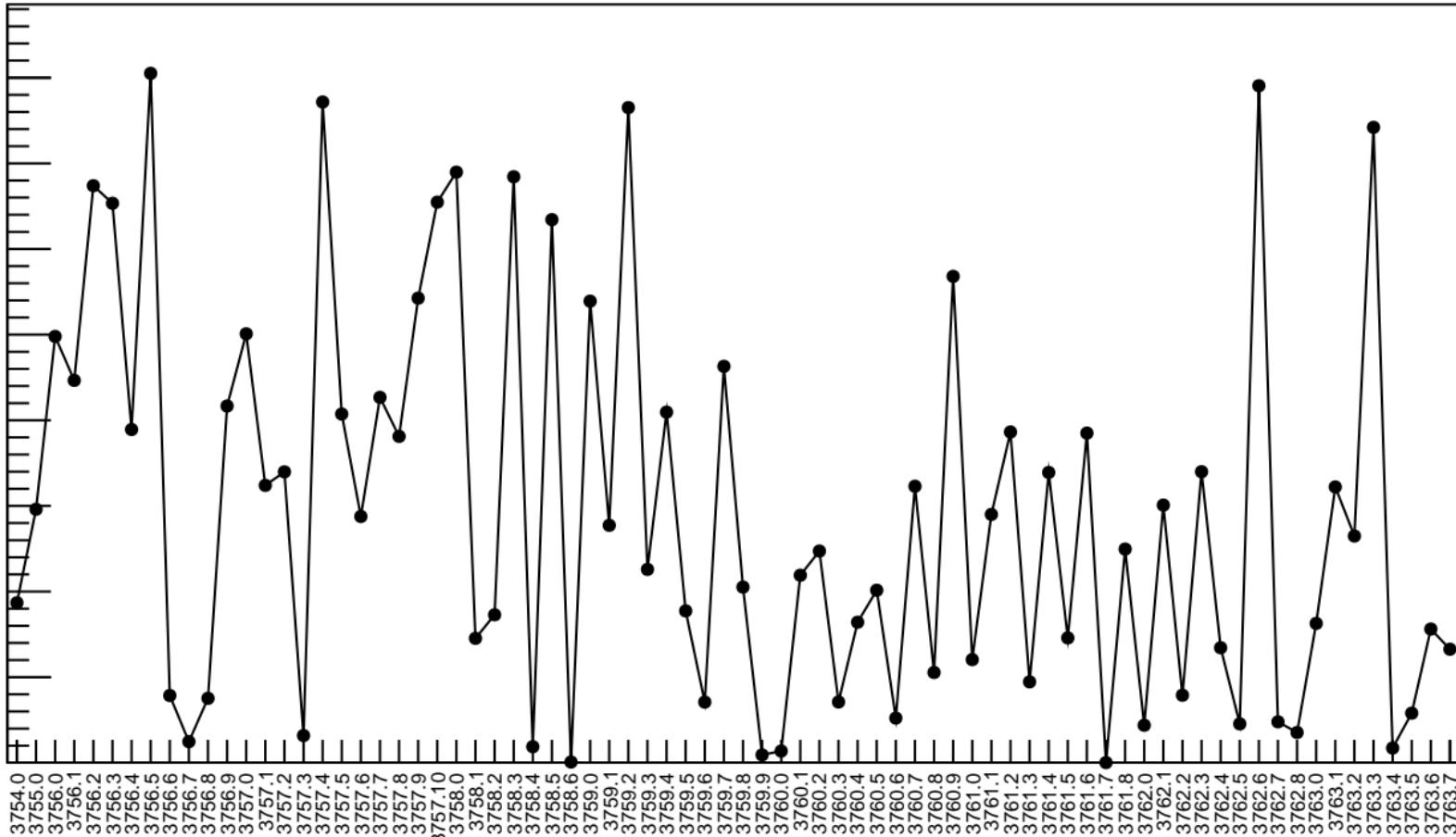


1D pull distribution

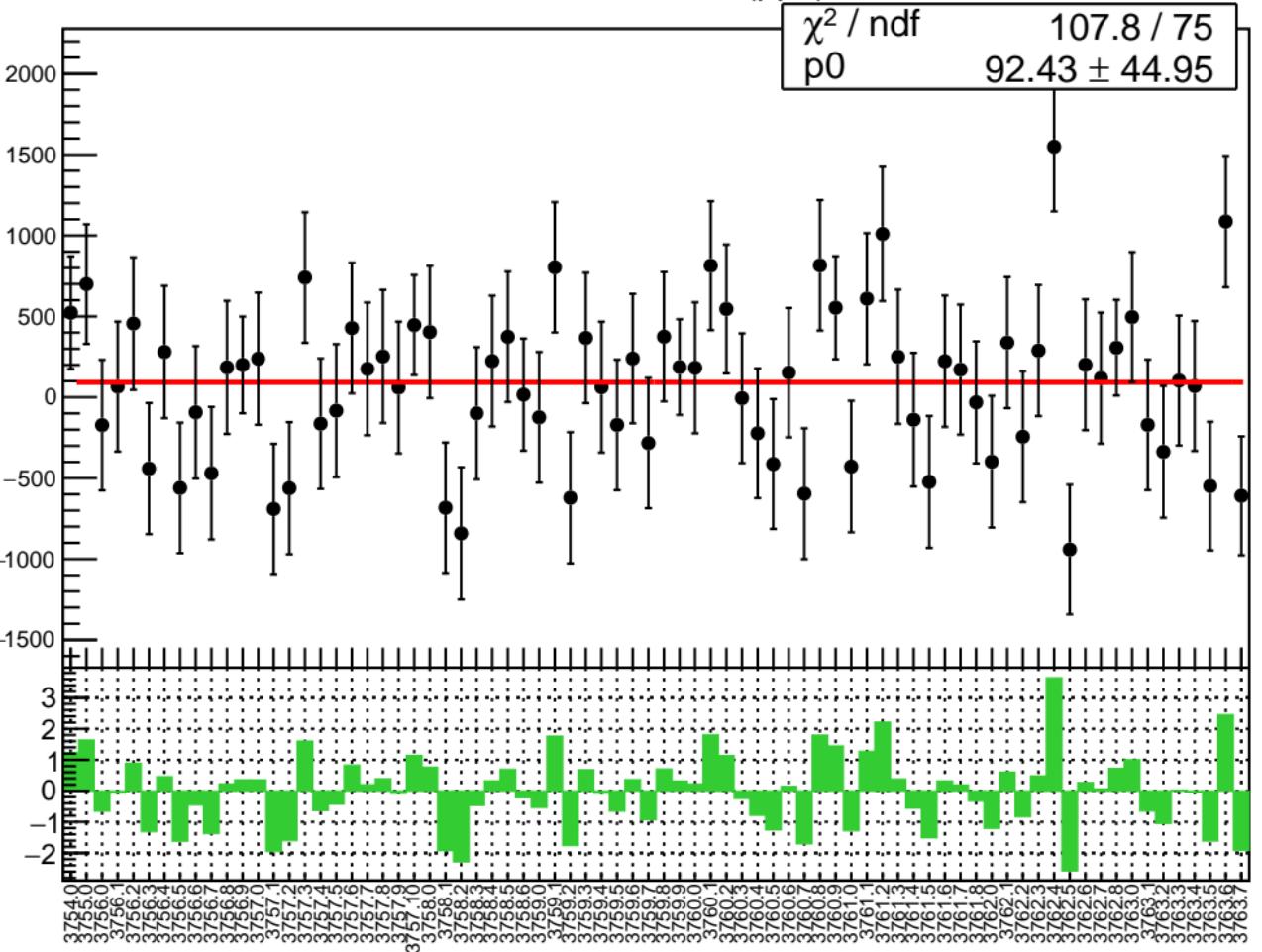


# corr\_Adet\_evMon3 RMS (ppm)

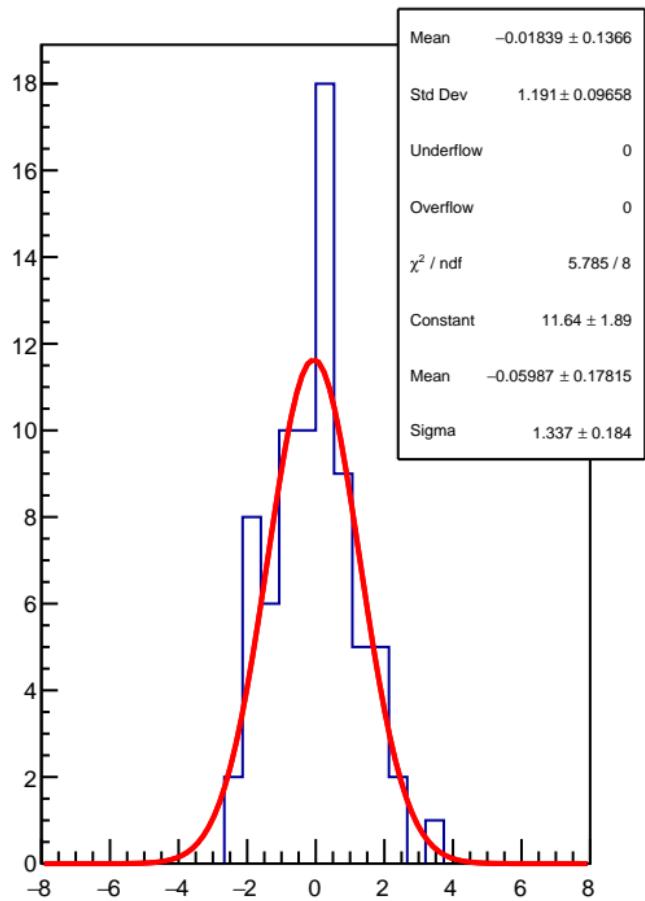
RMS (ppm)



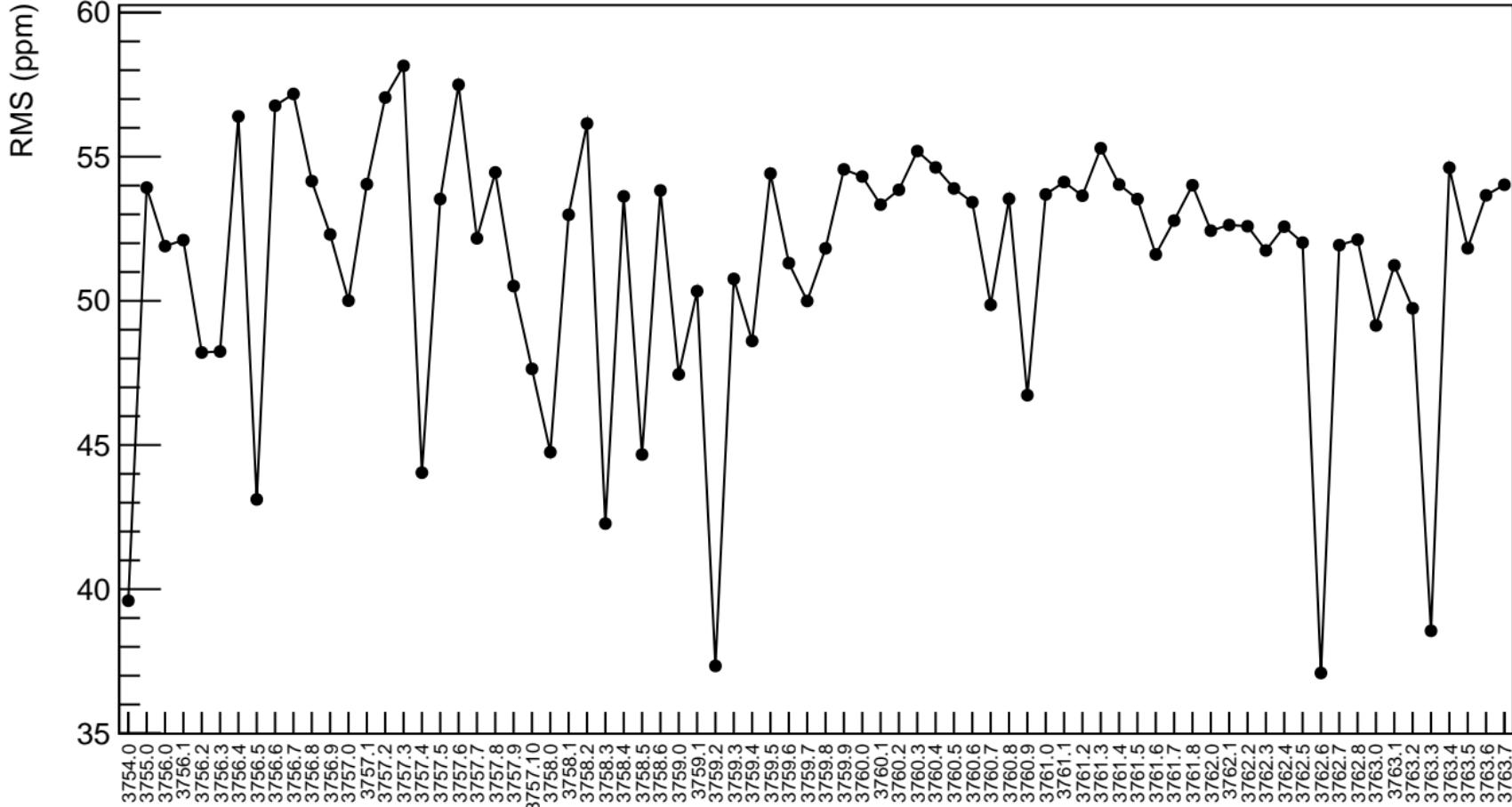
corr\_Adet\_evMon4 (ppb)



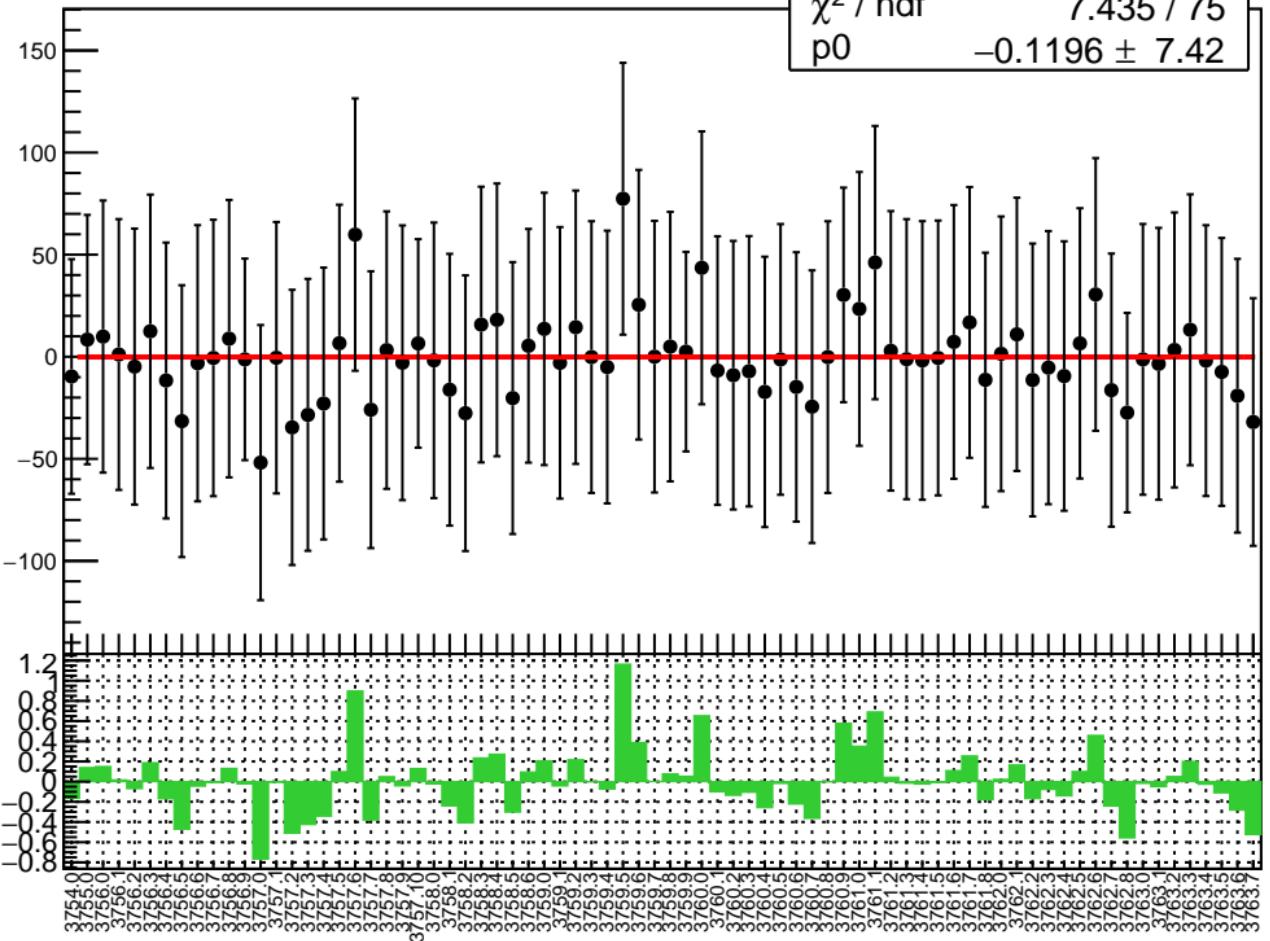
1D pull distribution



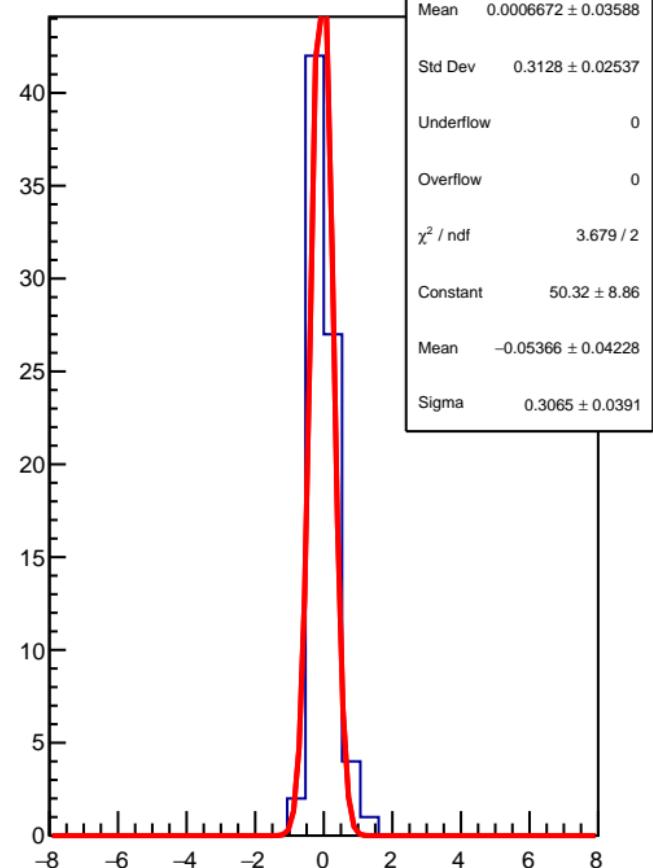
# corr\_Adet\_evMon4 RMS (ppm)



corr\_Adet\_evMon5 (ppb)

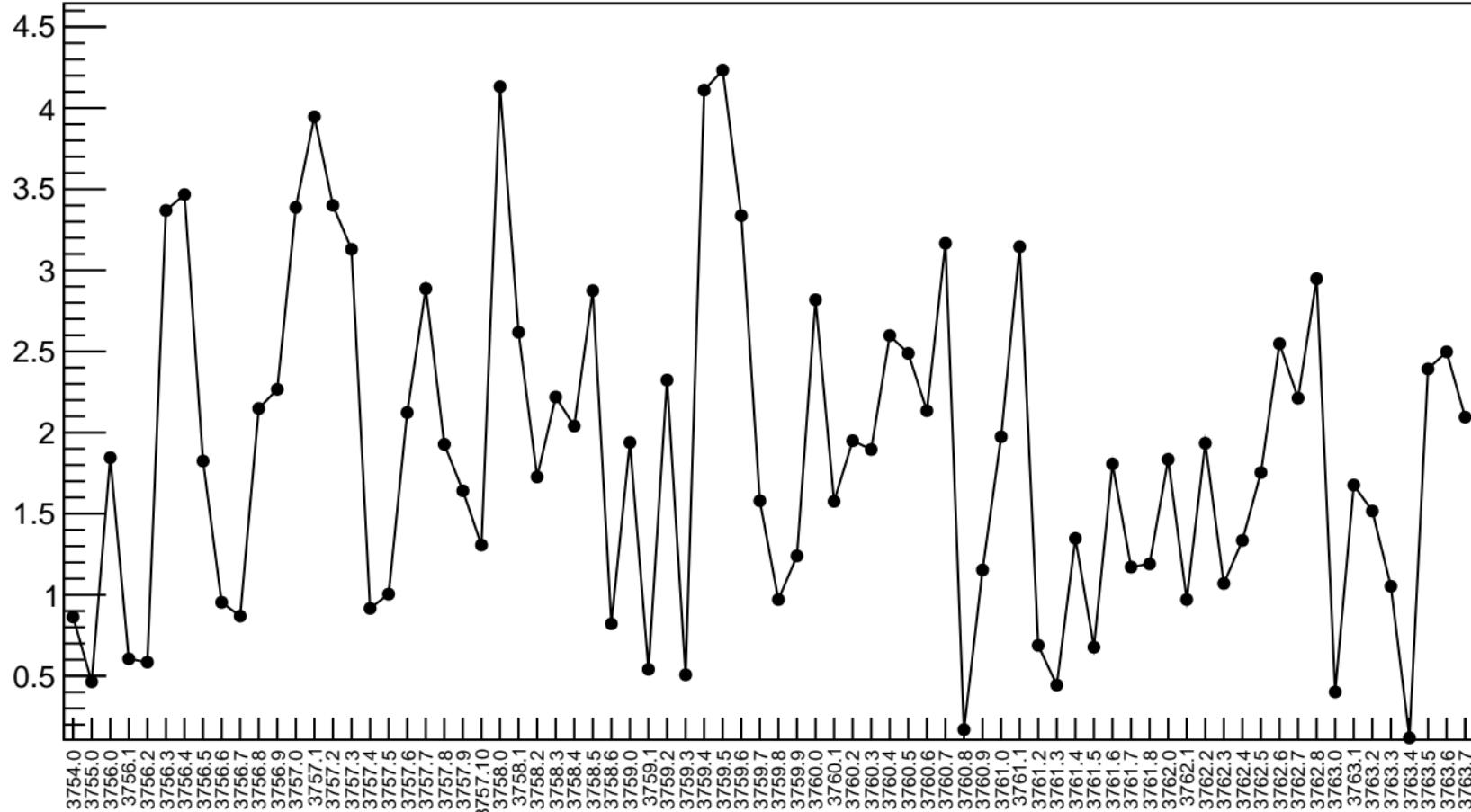
 $\chi^2 / \text{ndf}$   
 7.435 / 75  
 $p_0$   
 $-0.1196 \pm 7.42$ 


1D pull distribution



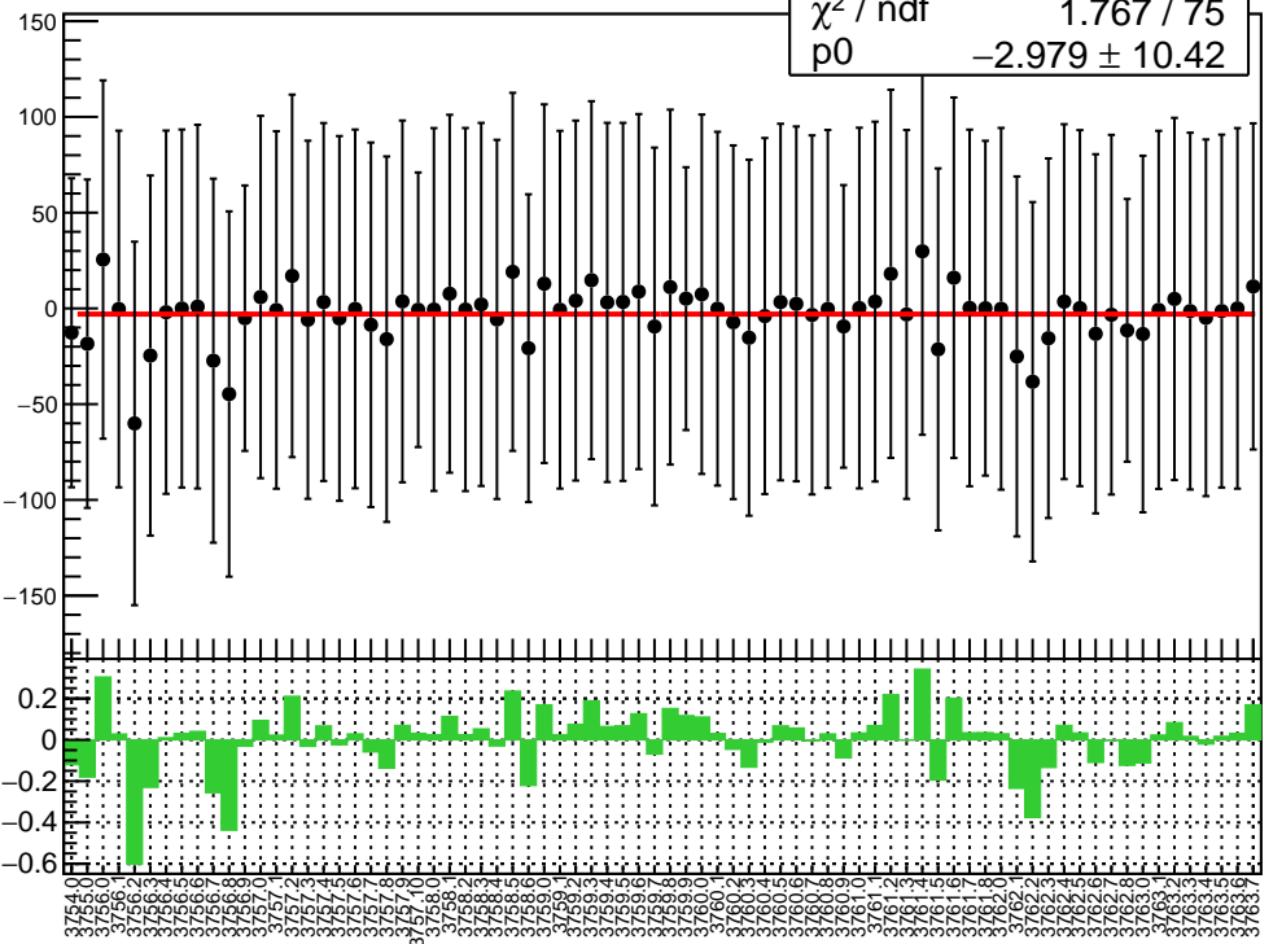
# corr\_Adet\_evMon5 RMS (ppm)

RMS (ppm)

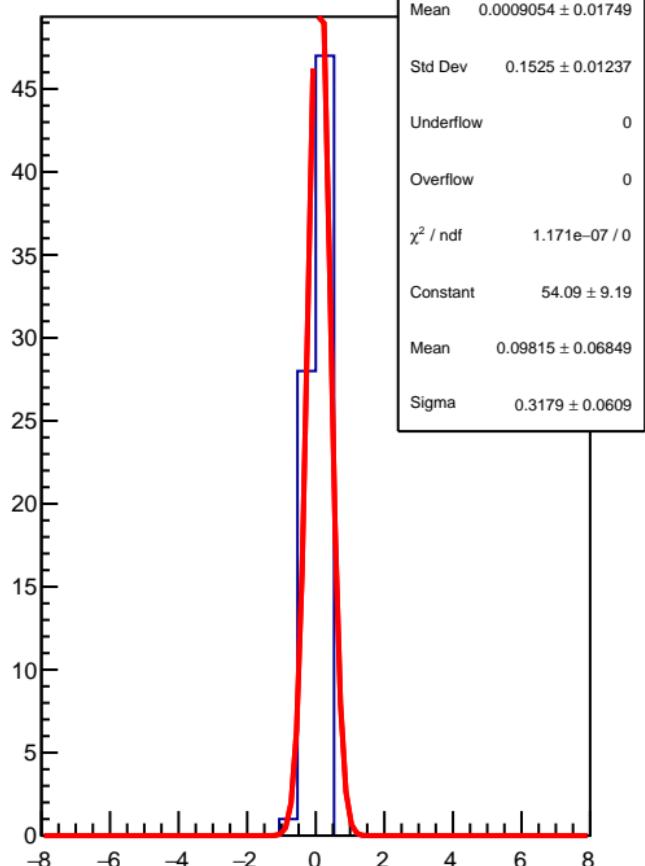


corr\_Adet\_evMon6 (ppb)

$\chi^2 / \text{ndf}$  1.767 / 75  
p0  $-2.979 \pm 10.42$

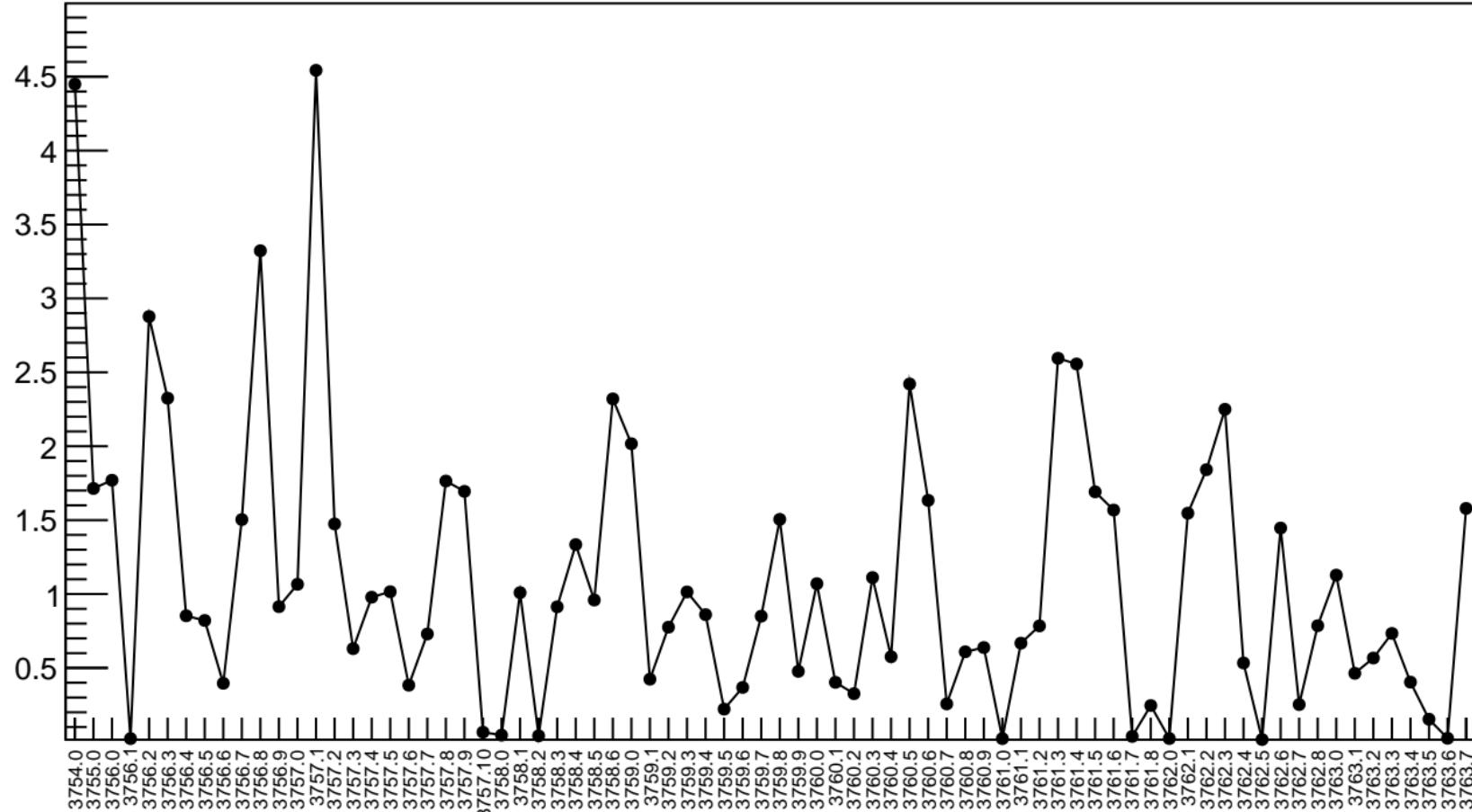


1D pull distribution



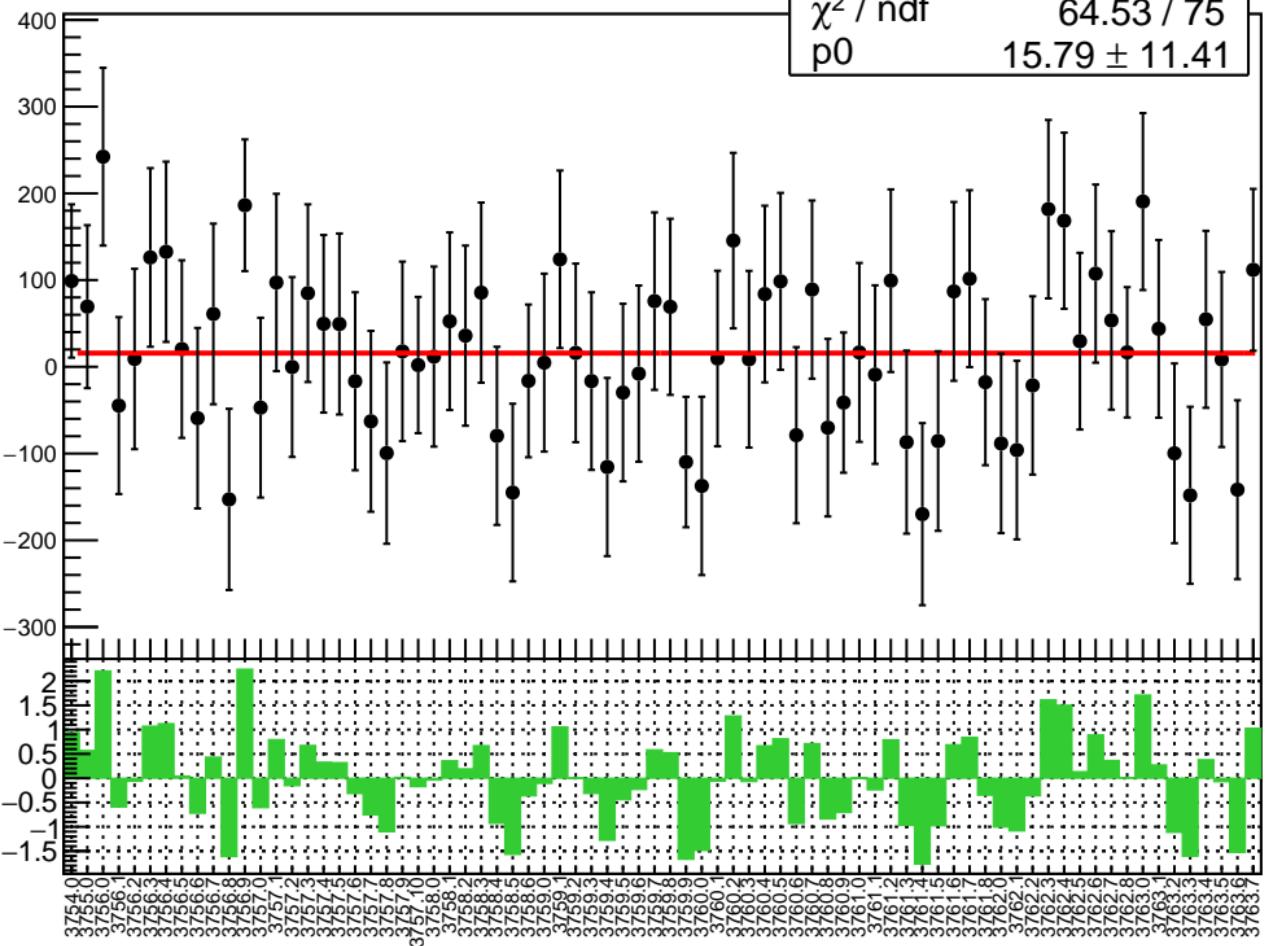
# corr\_Adet\_evMon6 RMS (ppm)

RMS (ppm)

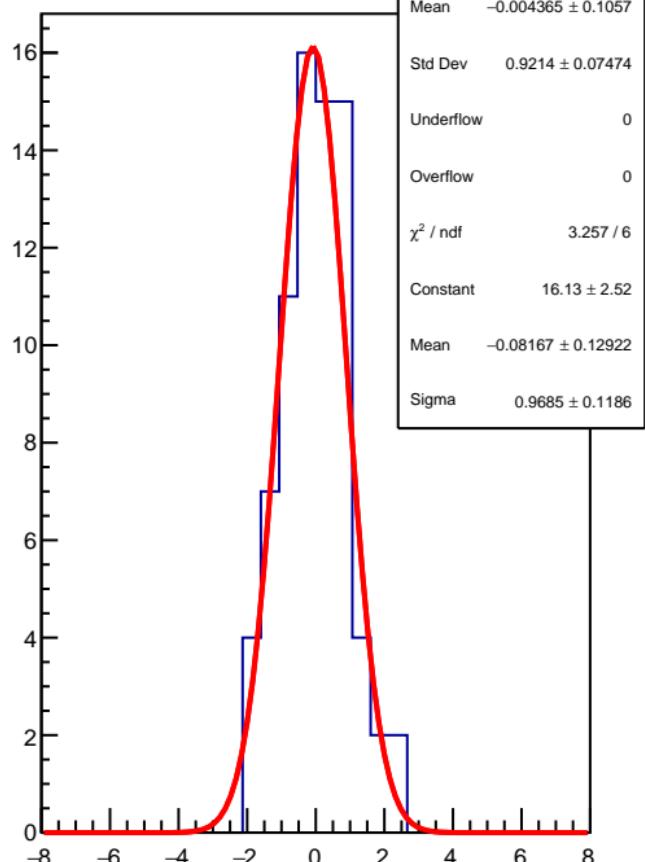


corr\_Adet\_evMon7 (ppb)

$\chi^2 / \text{ndf}$  64.53 / 75  
p0  $15.79 \pm 11.41$

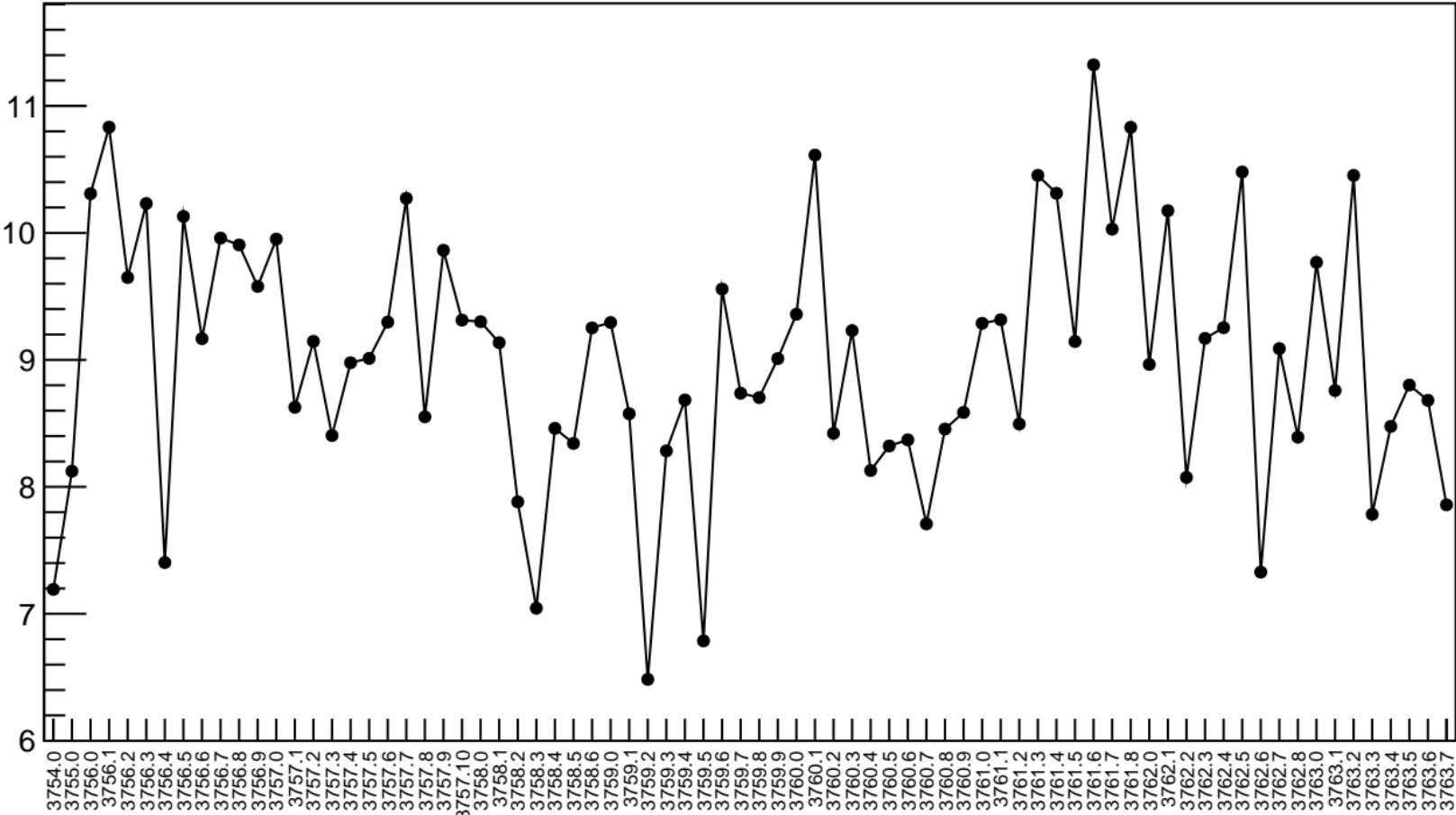


1D pull distribution



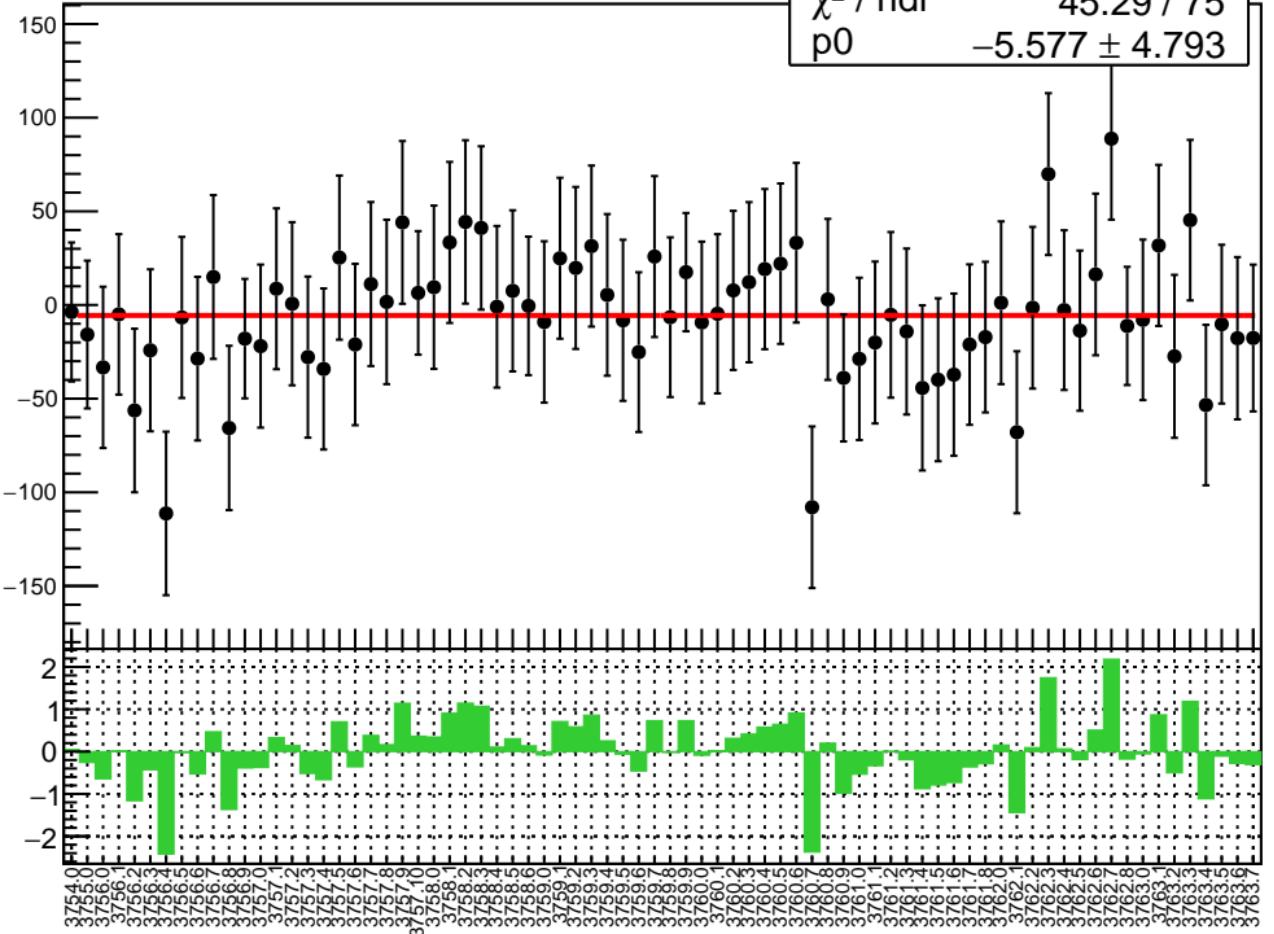
# corr\_Adet\_evMon7 RMS (ppm)

RMS (ppm)

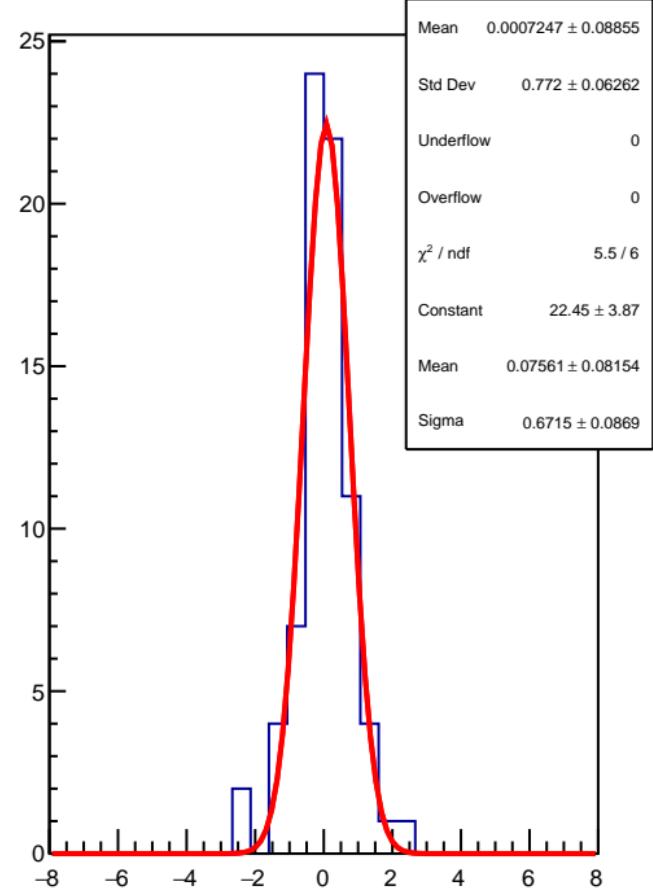


corr\_Adet\_evMon8 (ppb)

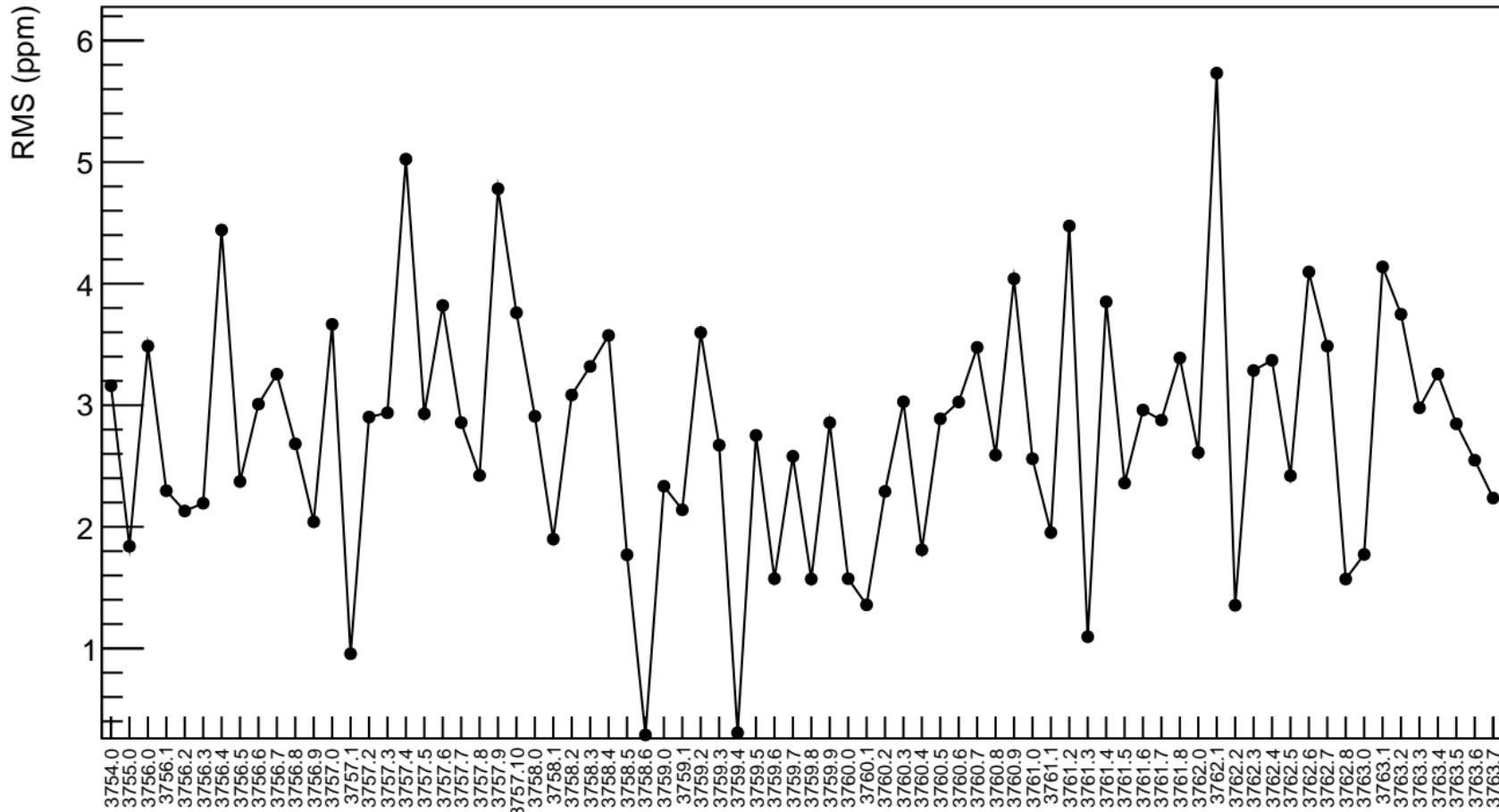
$\chi^2 / \text{ndf}$  45.29 / 75  
 $p_0$   $-5.577 \pm 4.793$



1D pull distribution

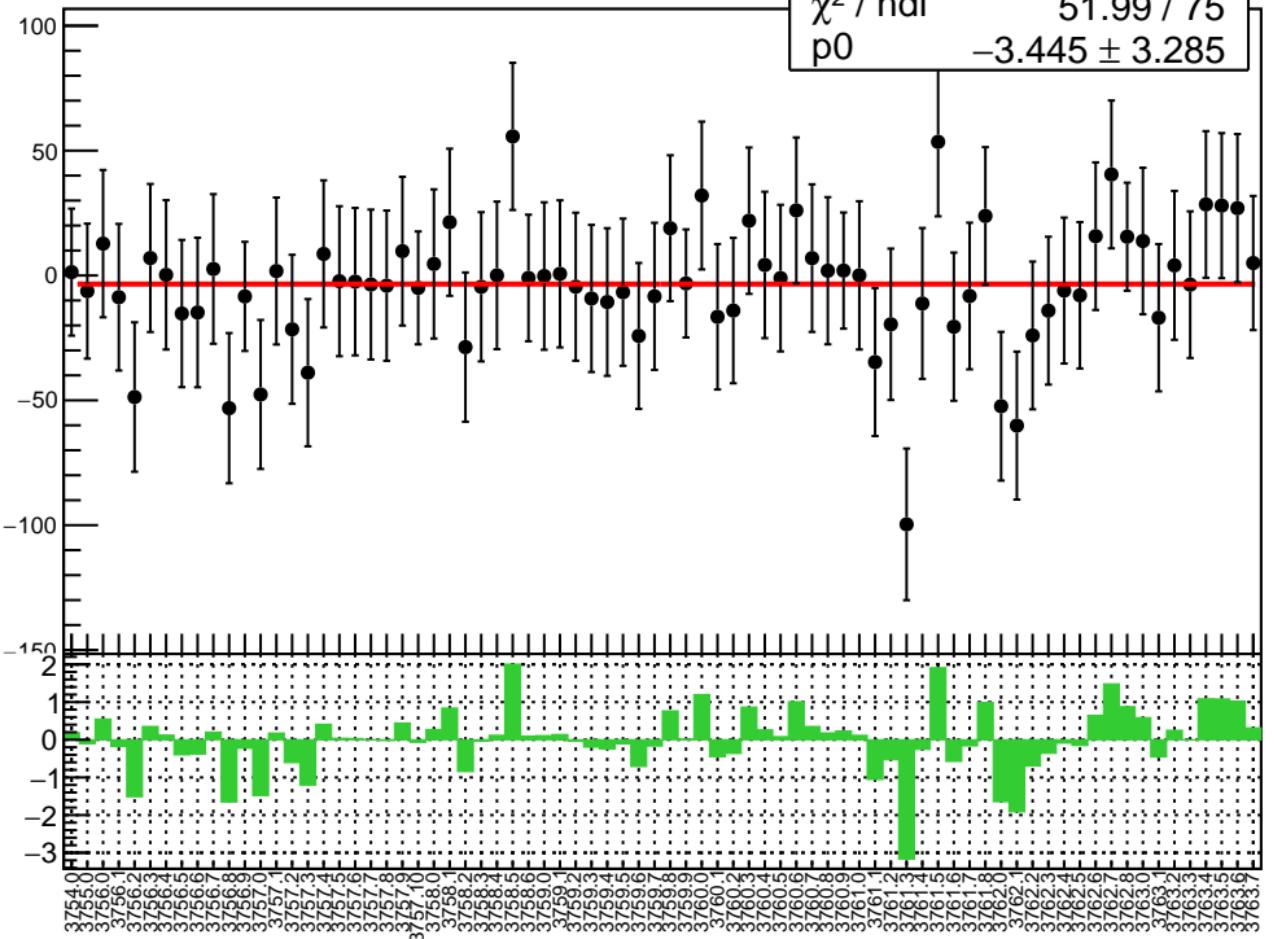


# corr\_Adet\_evMon8 RMS (ppm)

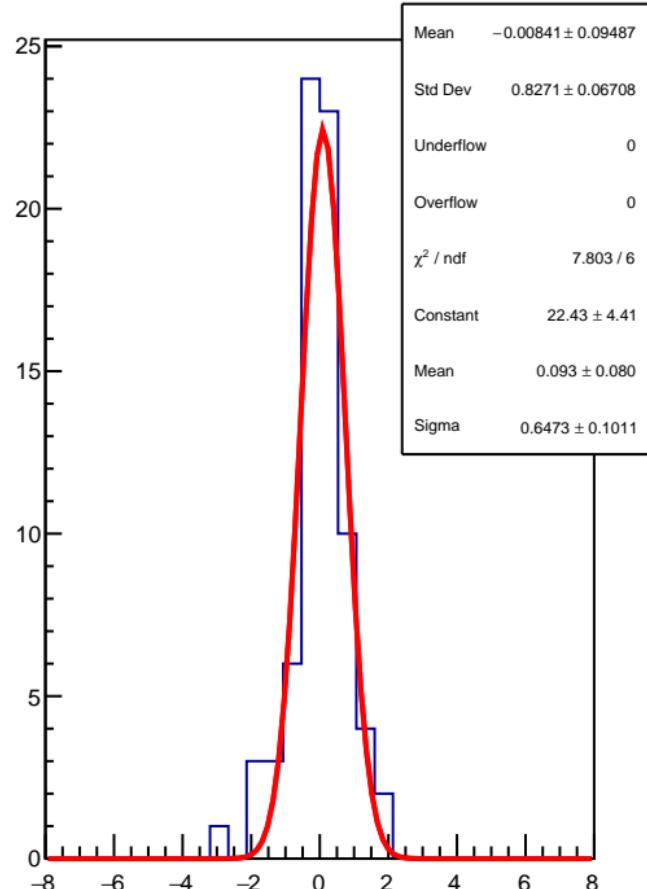


corr\_Adet\_evMon9 (ppb)

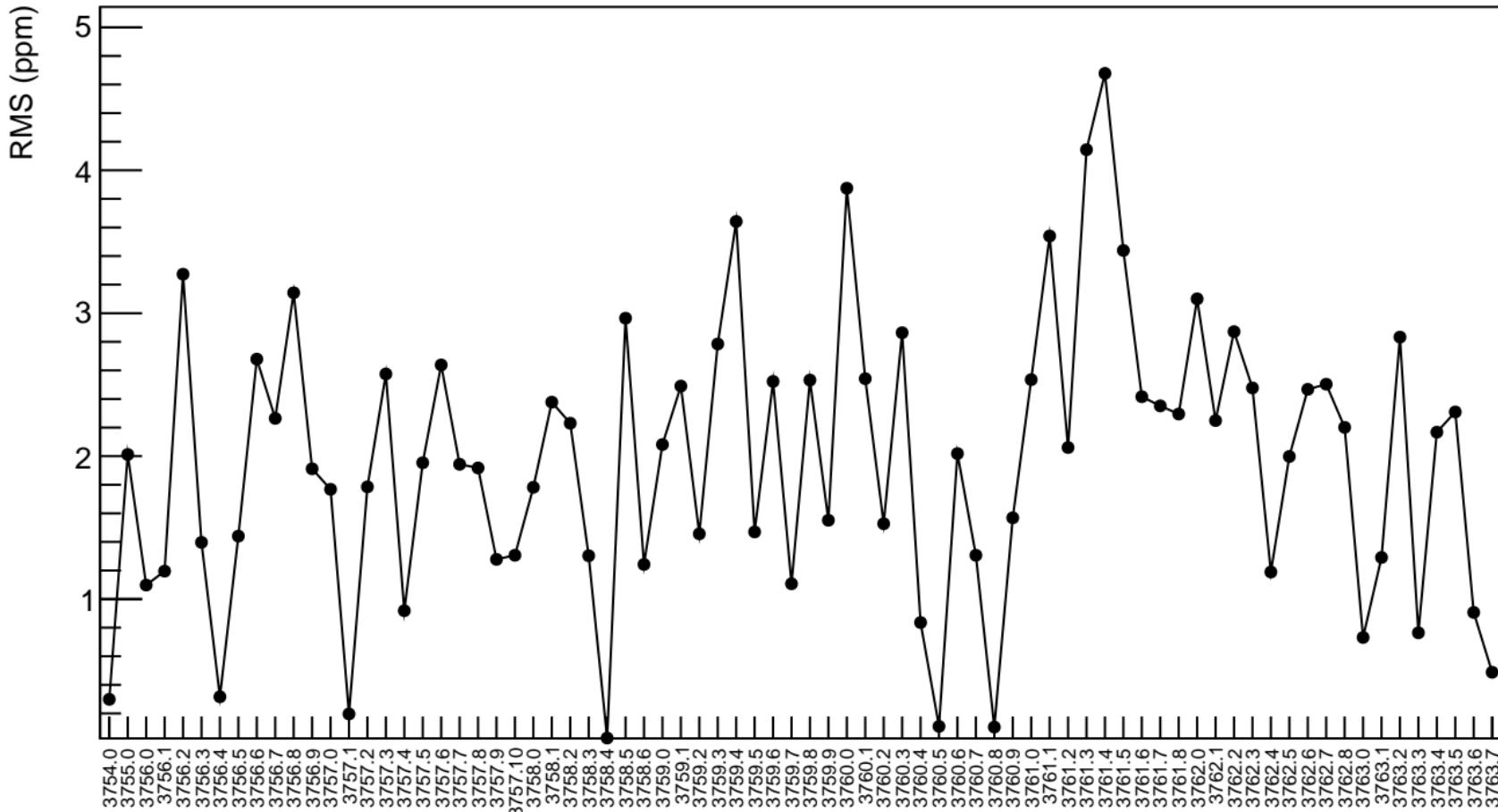
$\chi^2 / \text{ndf}$  51.99 / 75  
 $p_0$   $-3.445 \pm 3.285$



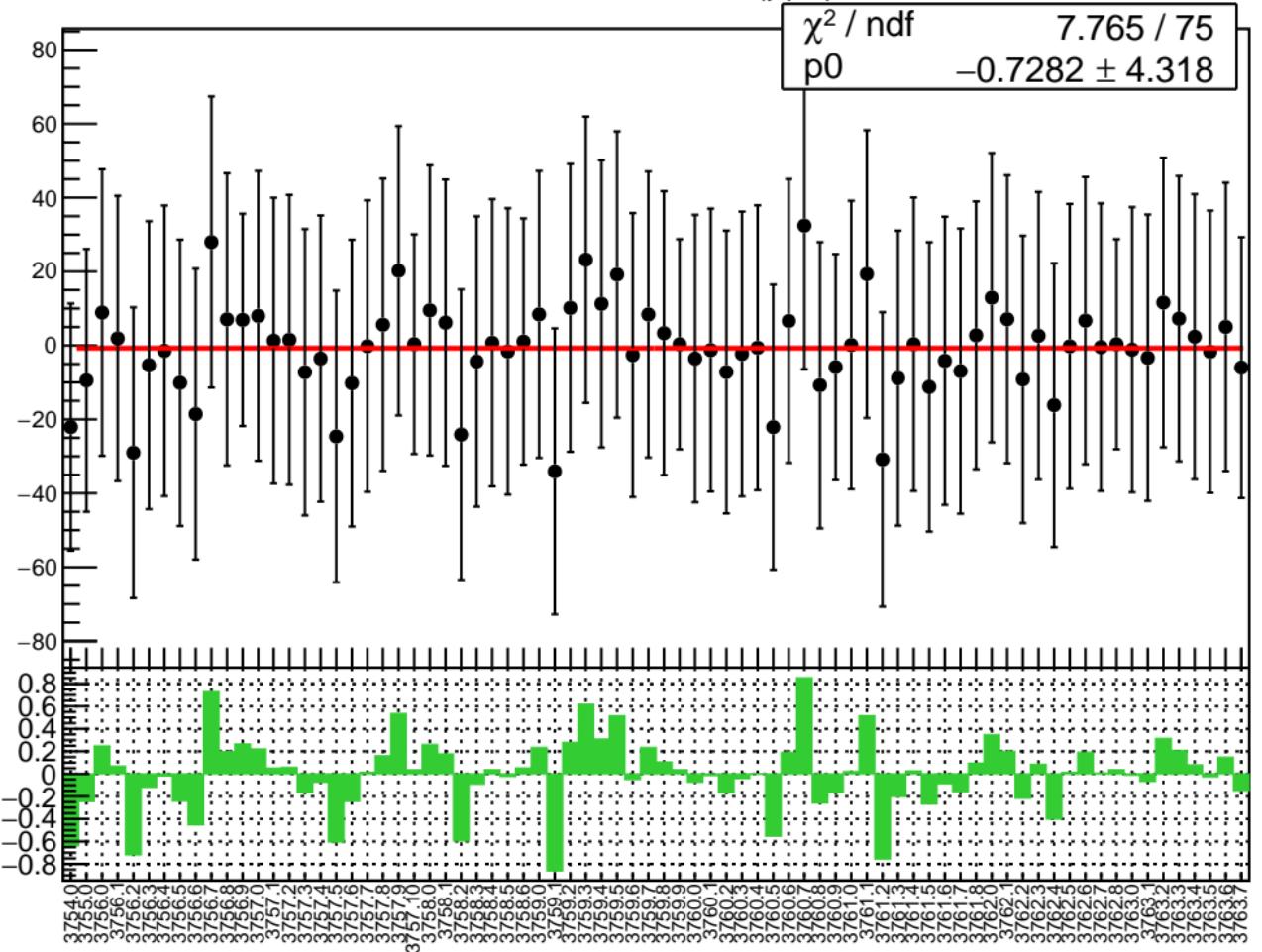
1D pull distribution



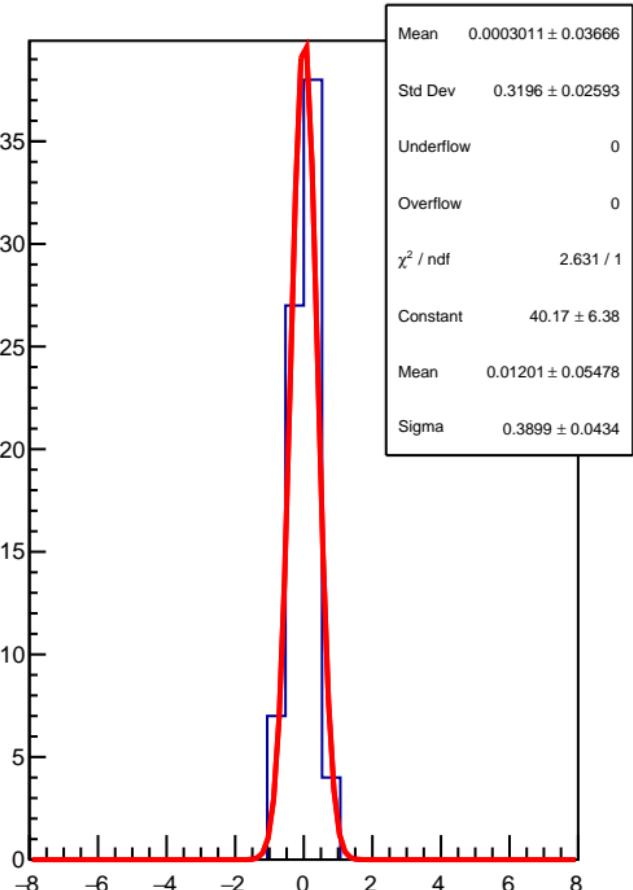
# corr\_Adet\_evMon9 RMS (ppm)



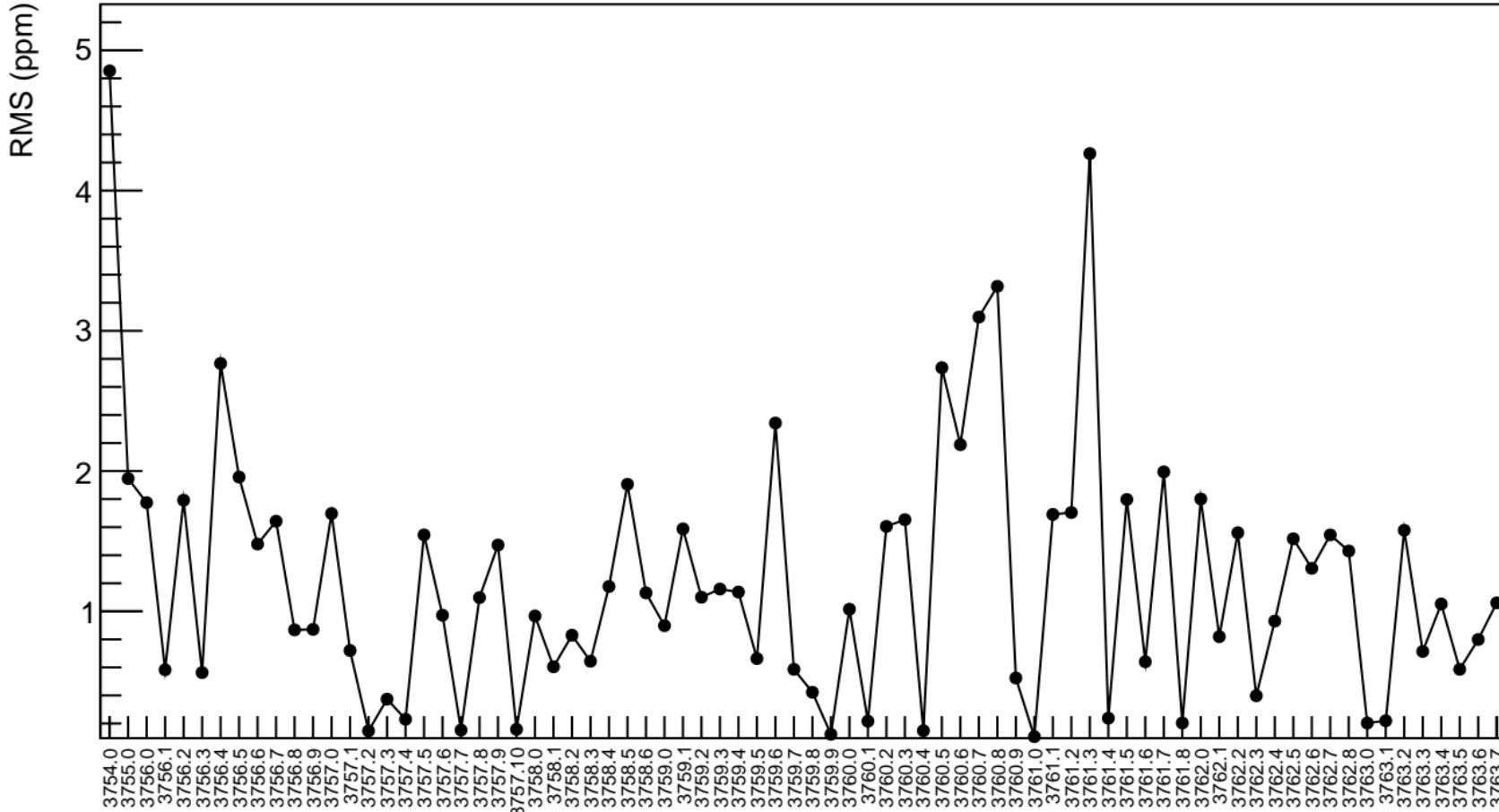
corr\_Adet\_evMon10 (ppb)



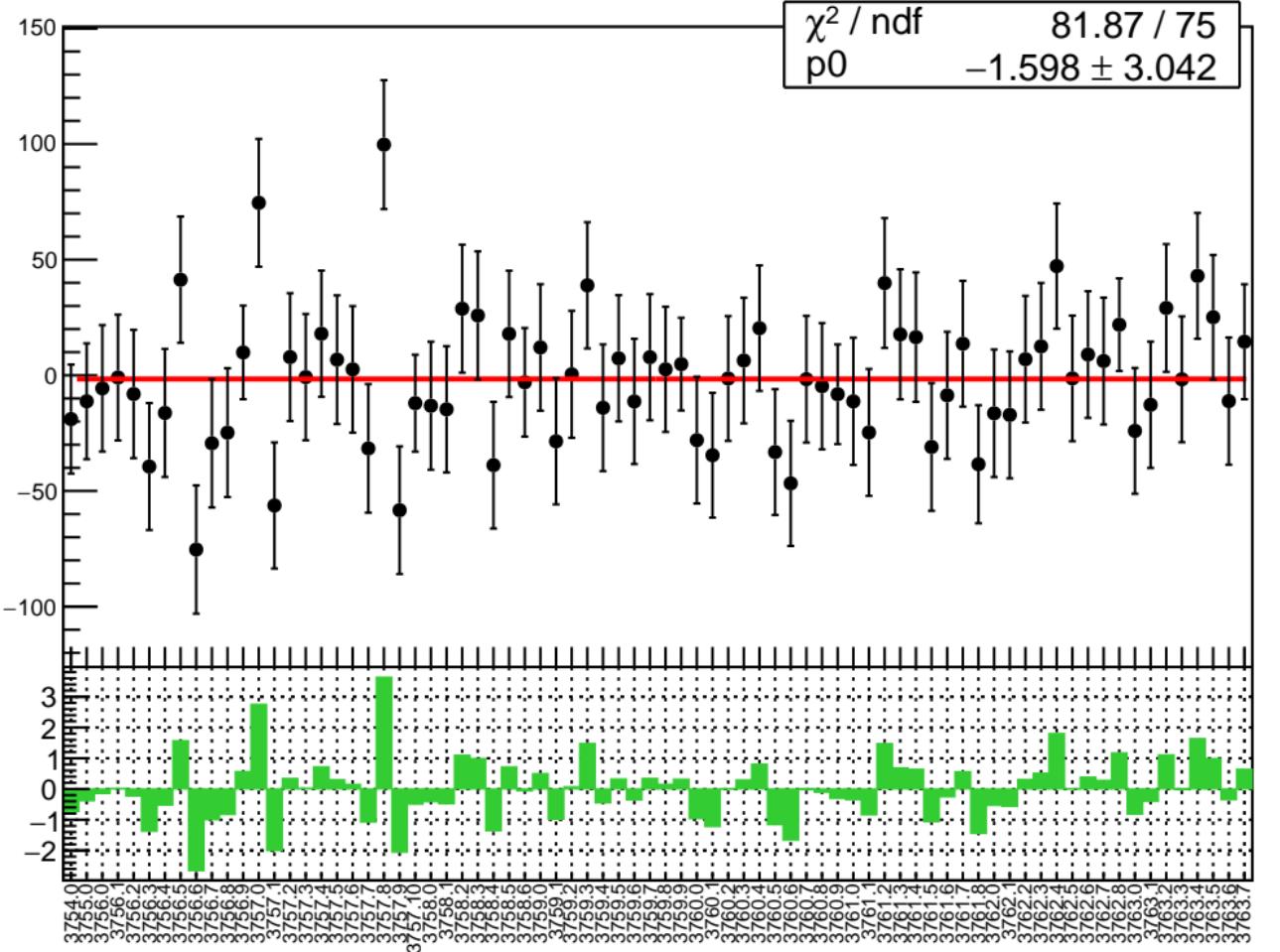
1D pull distribution



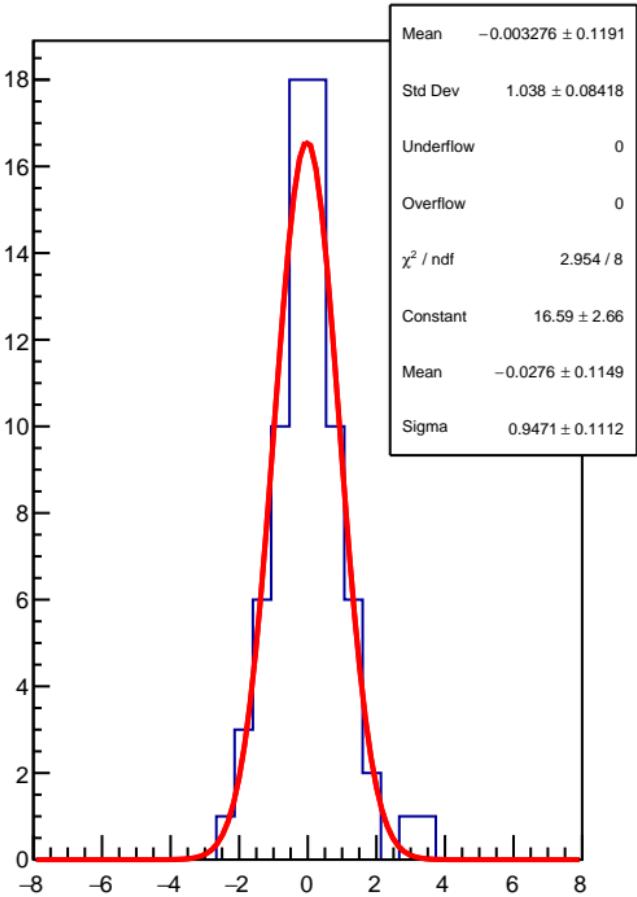
# corr\_Adet\_evMon10 RMS (ppm)



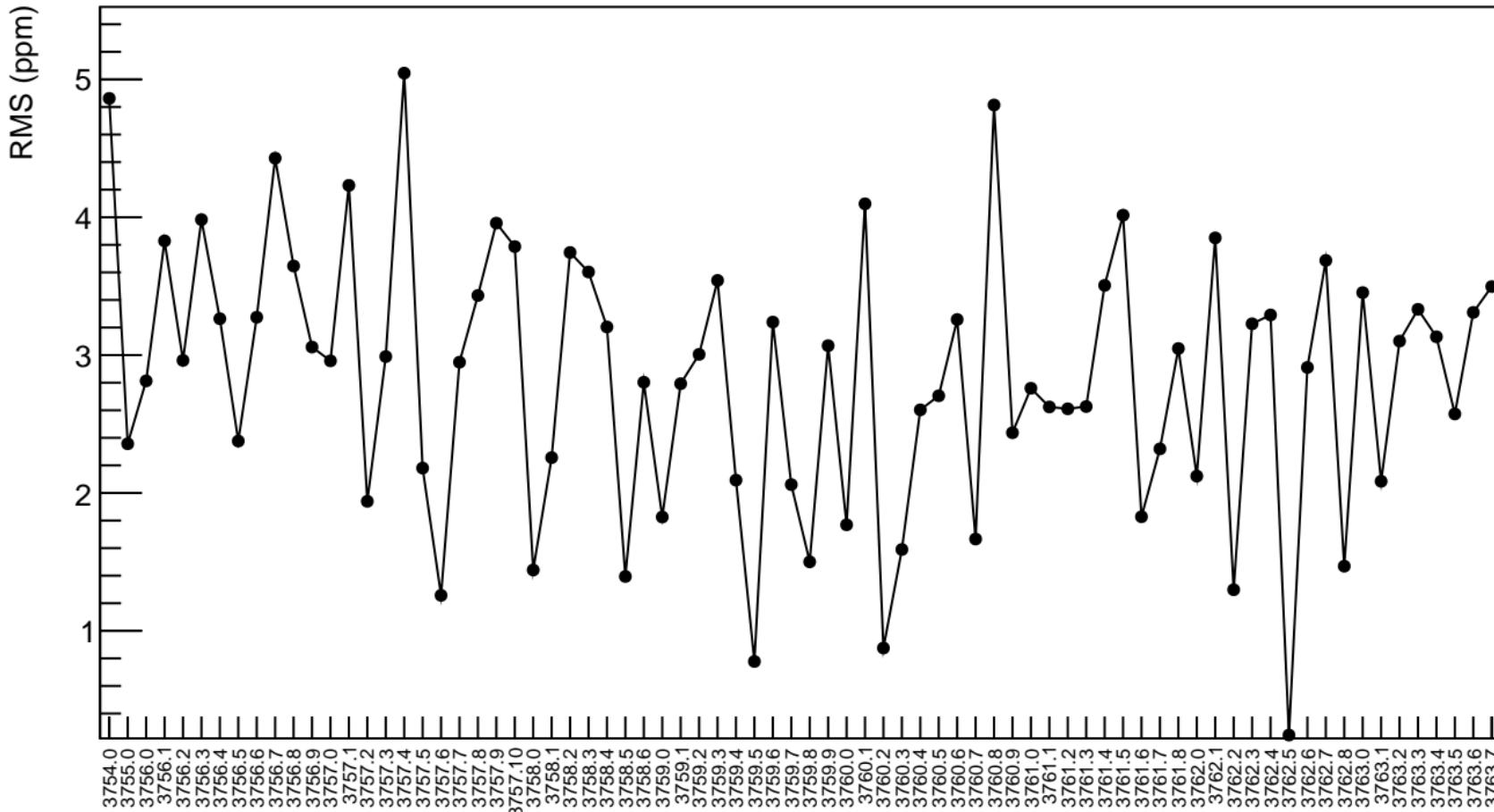
corr\_Adet\_evMon11 (ppb)



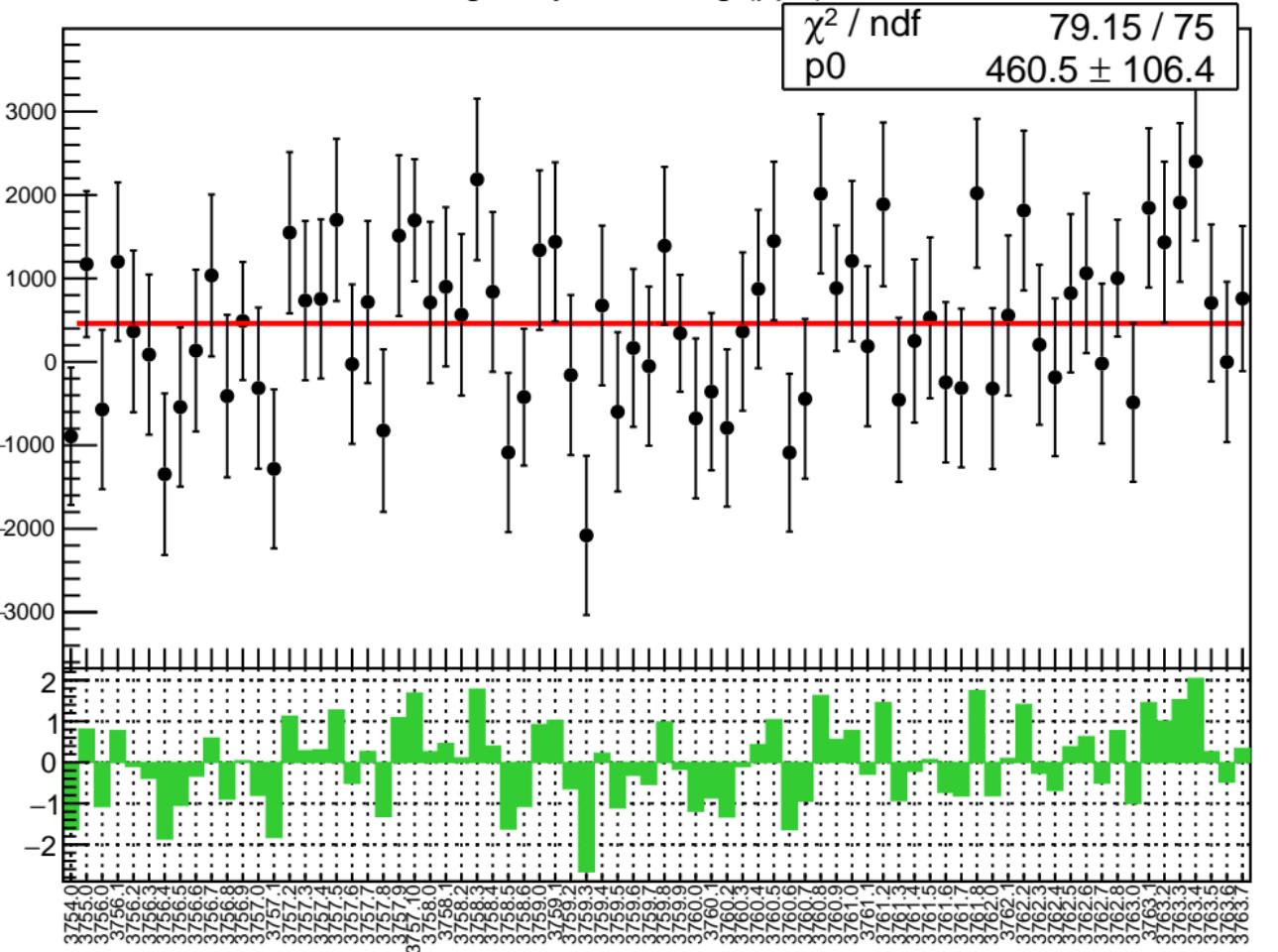
1D pull distribution



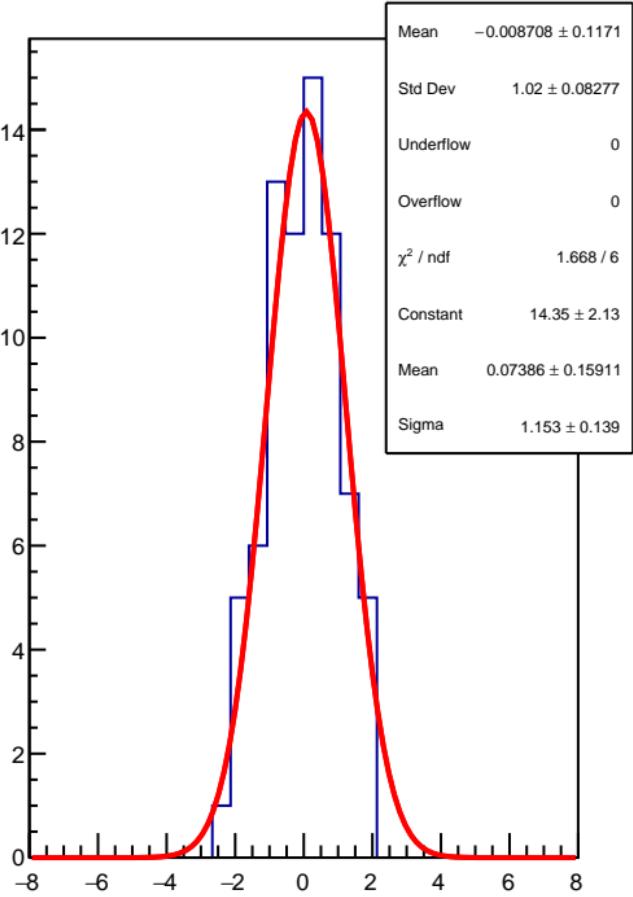
# corr\_Adet\_evMon11 RMS (ppm)



lagr\_asym\_us\_avg (ppb)



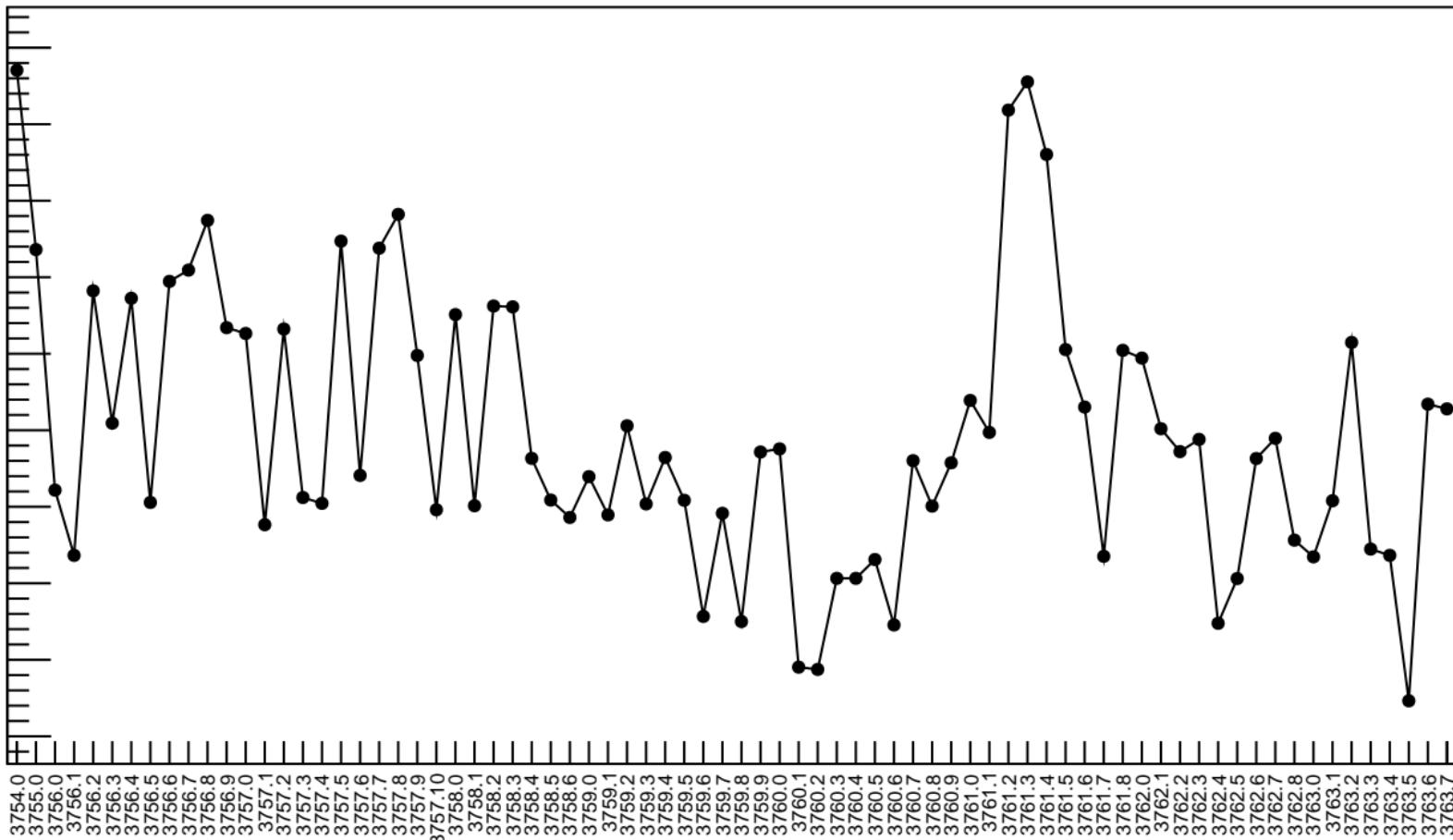
1D pull distribution



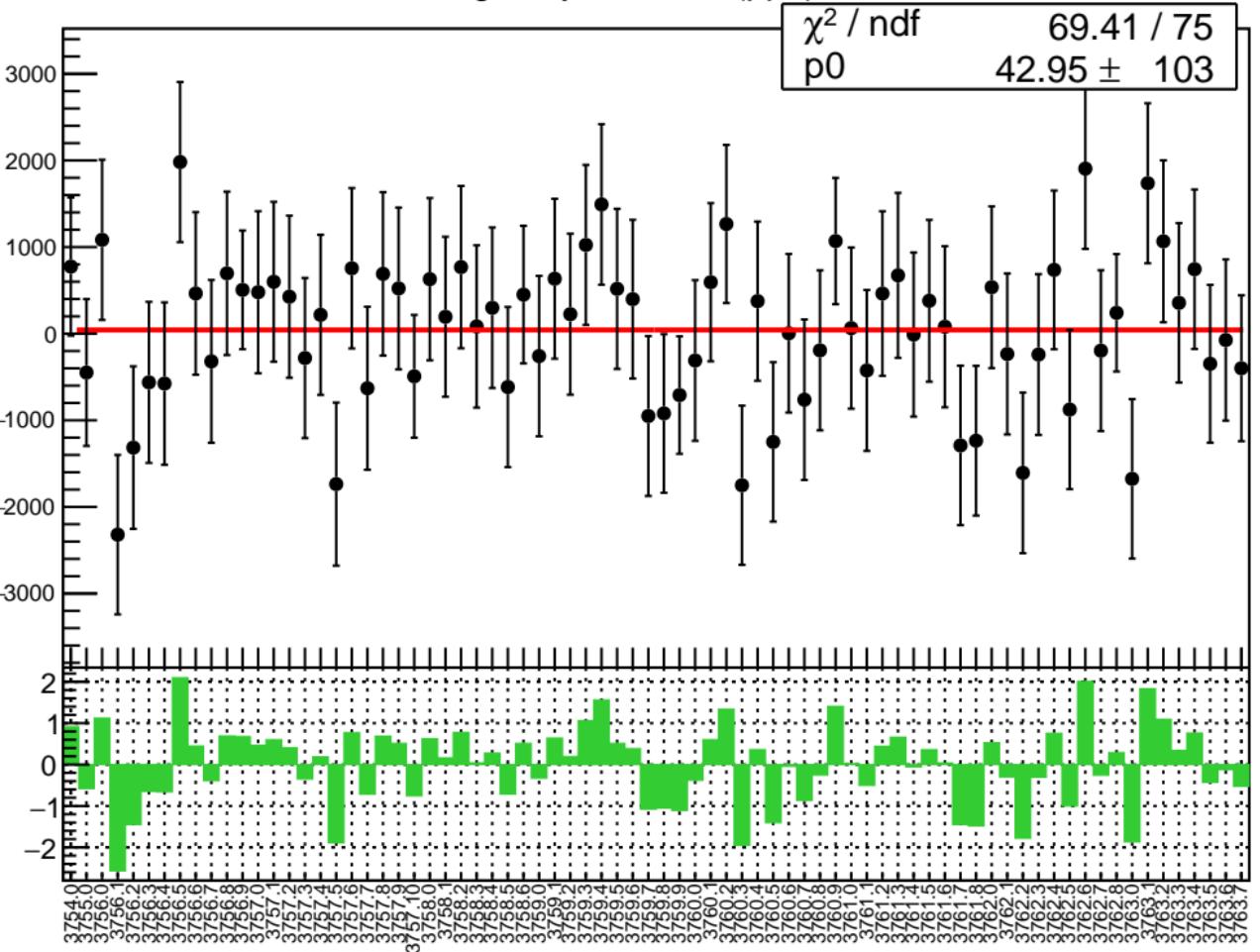
# lagr\_asym\_us\_avg RMS (ppm)

RMS (ppm)

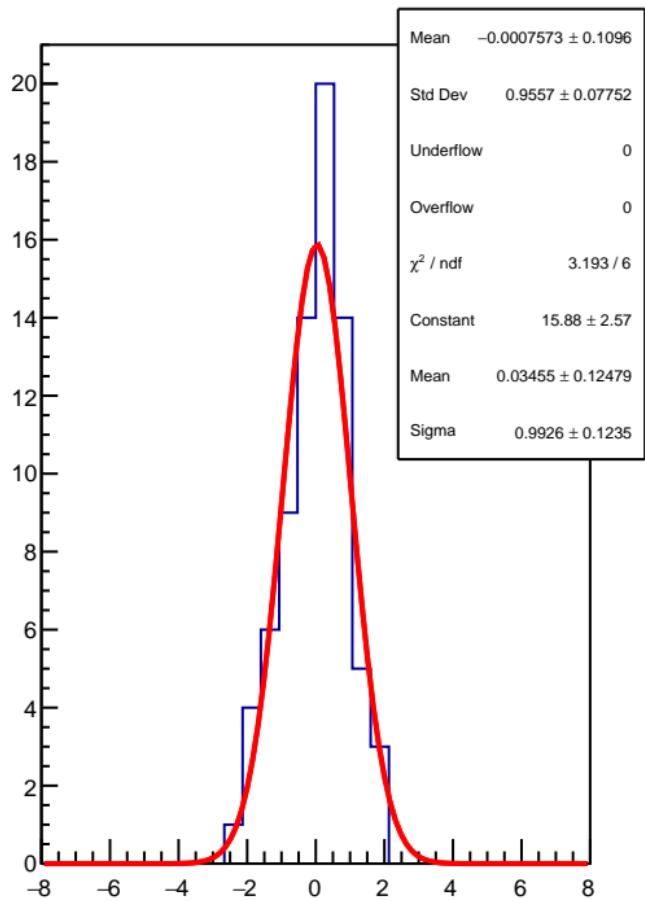
93.5  
93.0  
92.5  
92.0  
91.5  
91.0  
90.5  
90.0  
89.5  
89.0



lagr\_asym\_us\_dd (ppb)

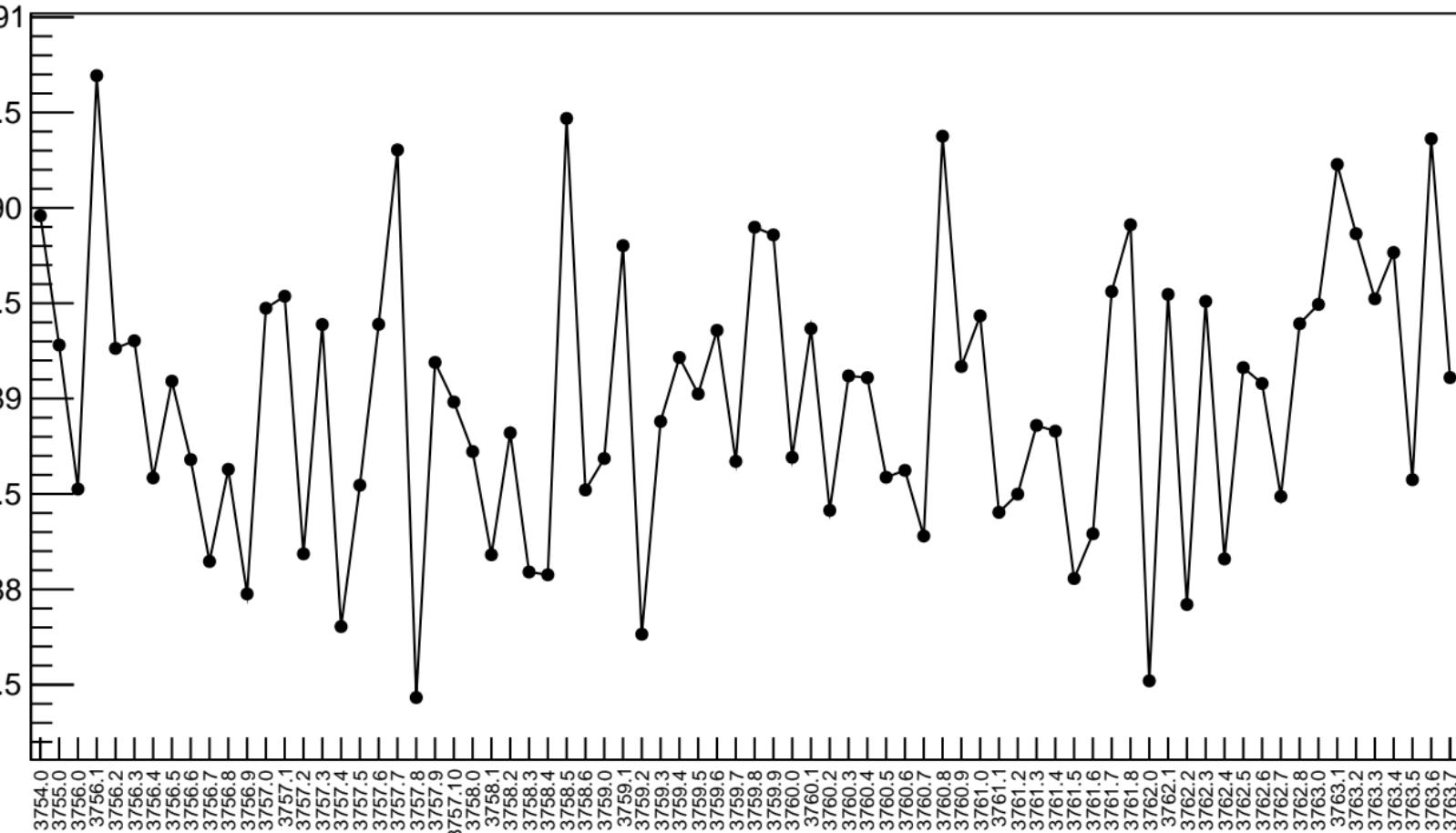


1D pull distribution



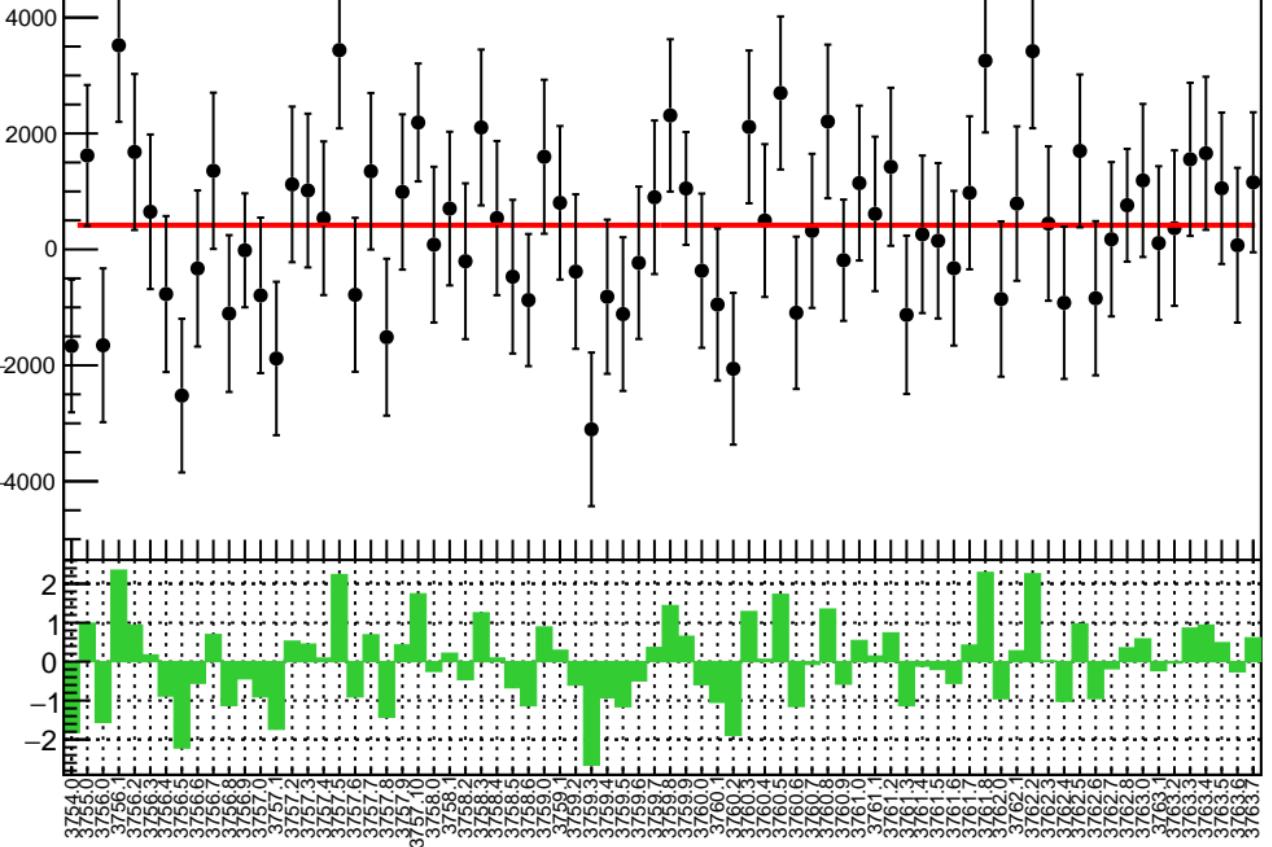
# lagr\_asym\_us\_dd RMS (ppm)

RMS (ppm)

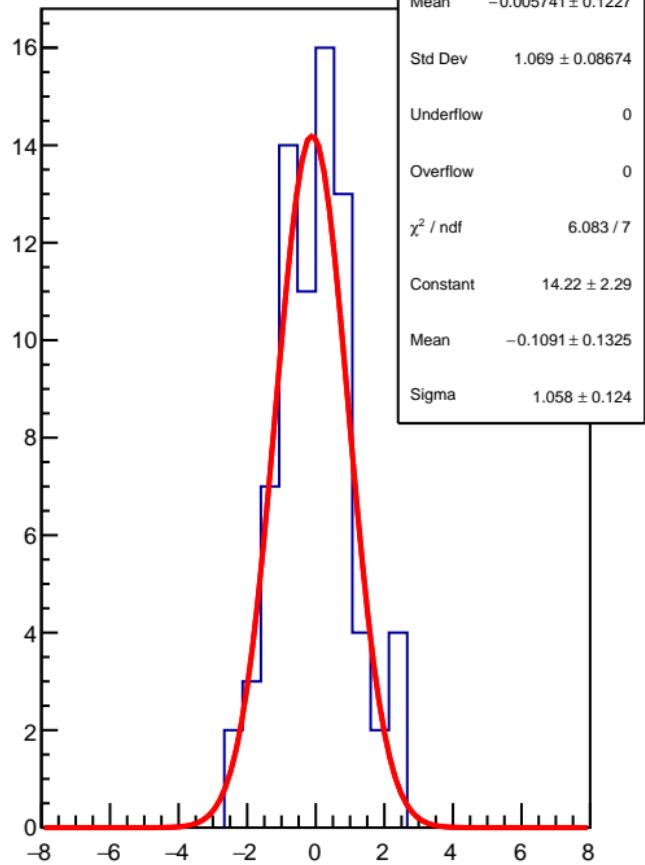


lagr\_asym\_usr (ppb)

$\chi^2 / \text{ndf}$  86.92 / 75  
p0  $417.6 \pm 147.7$

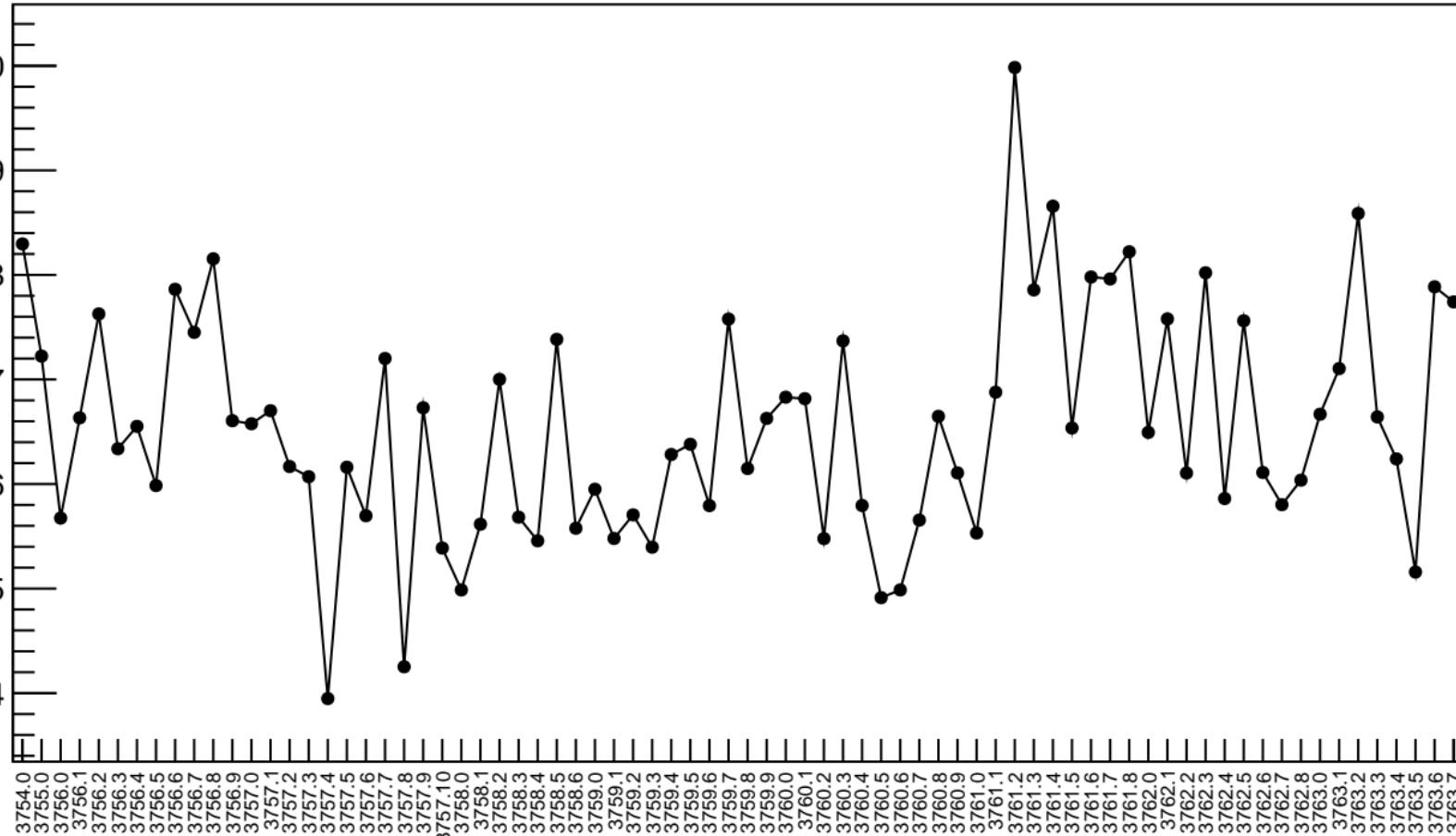


1D pull distribution



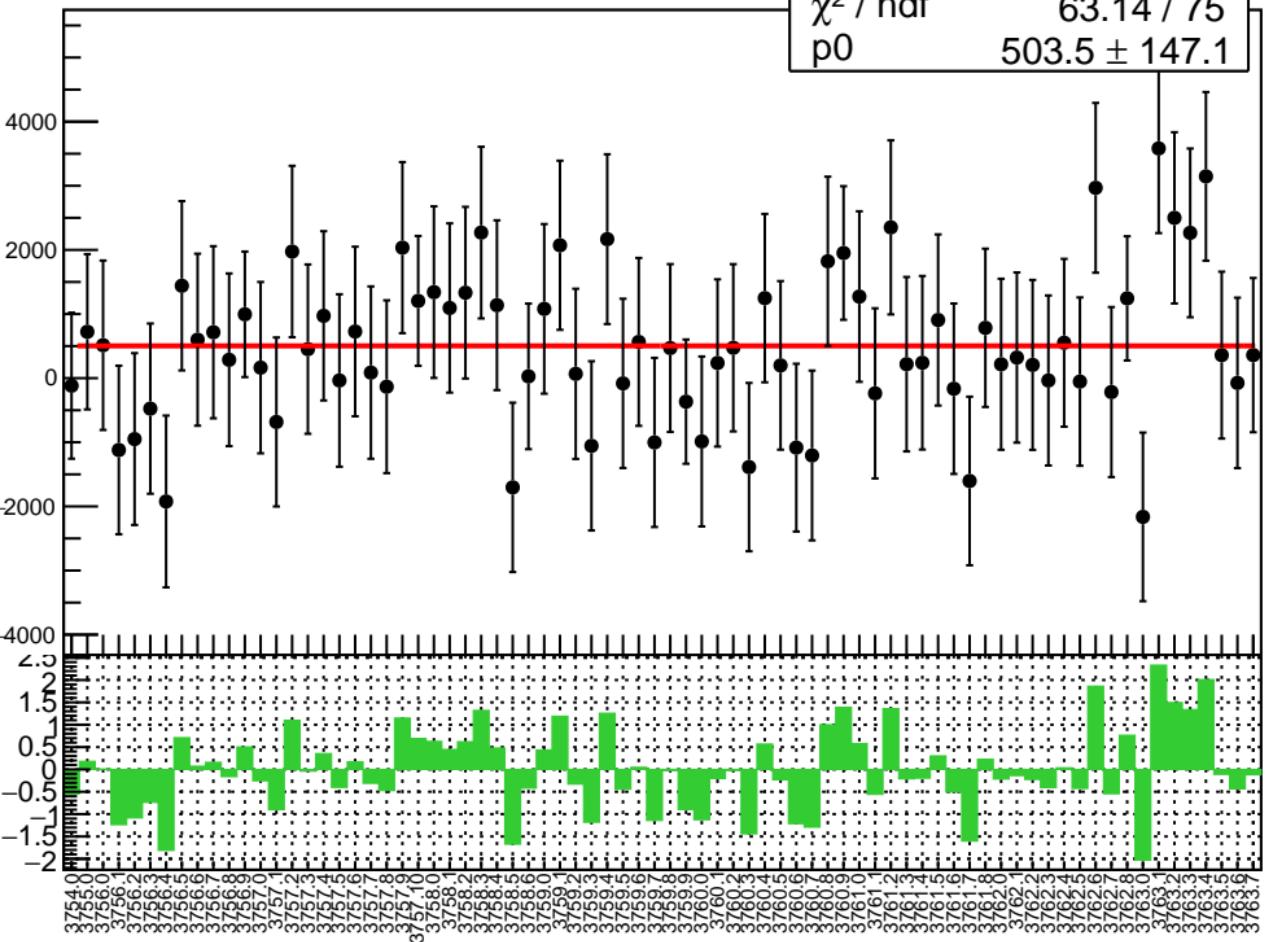
# lagr\_asym\_usr RMS (ppm)

RMS (ppm)

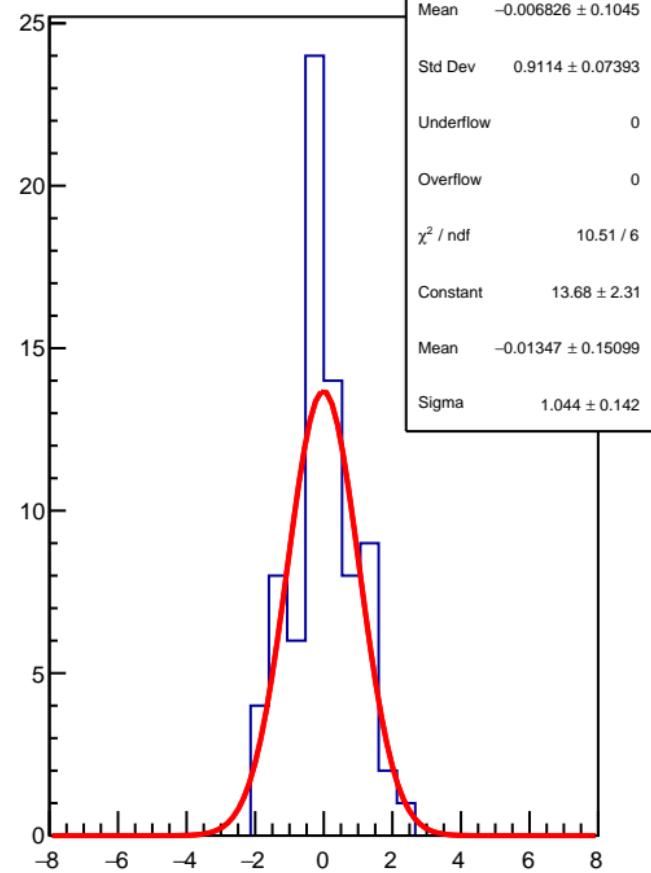


lagr\_asym\_usl (ppb)

$\chi^2 / \text{ndf}$  63.14 / 75  
p0  $503.5 \pm 147.1$

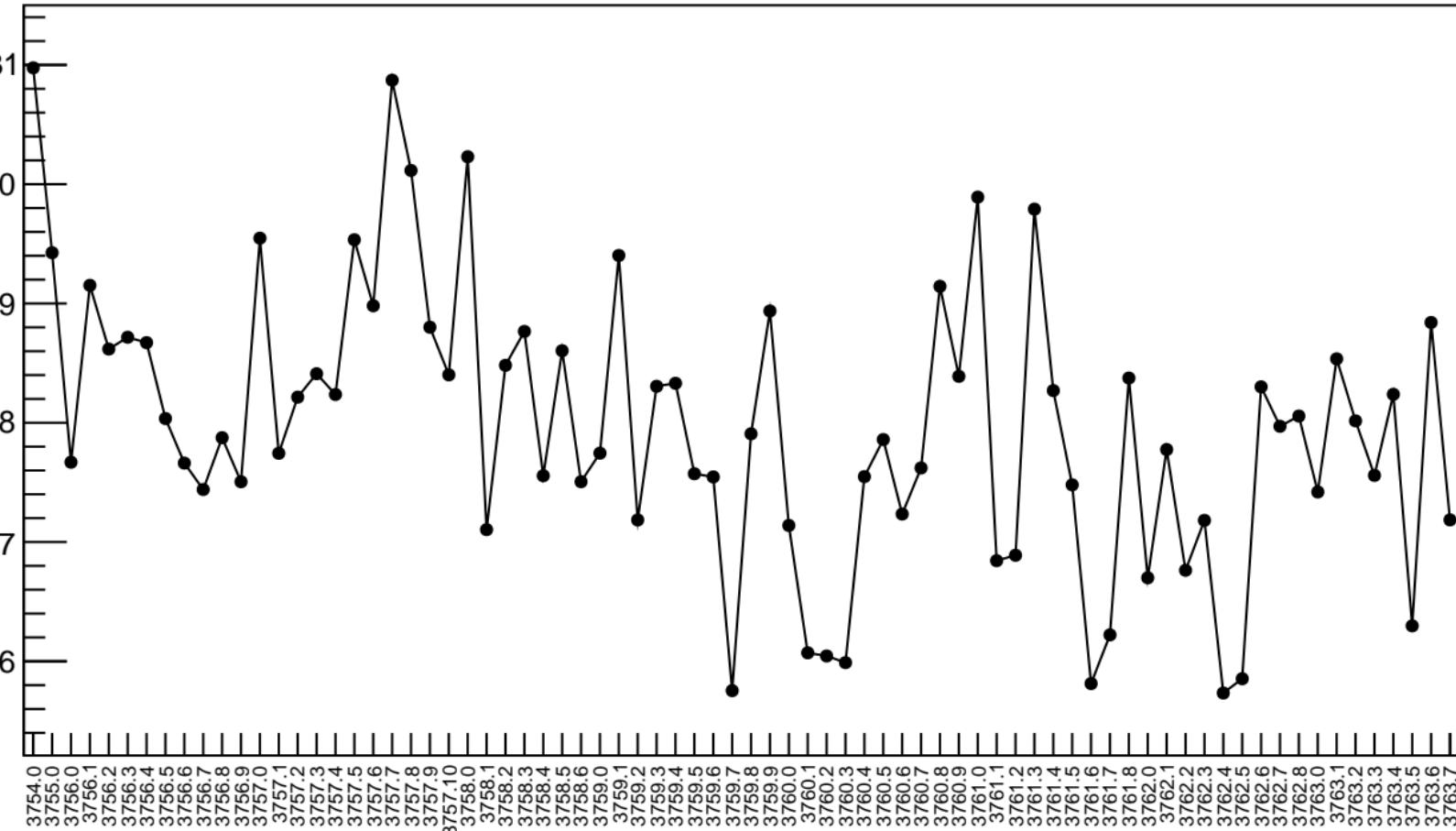


1D pull distribution



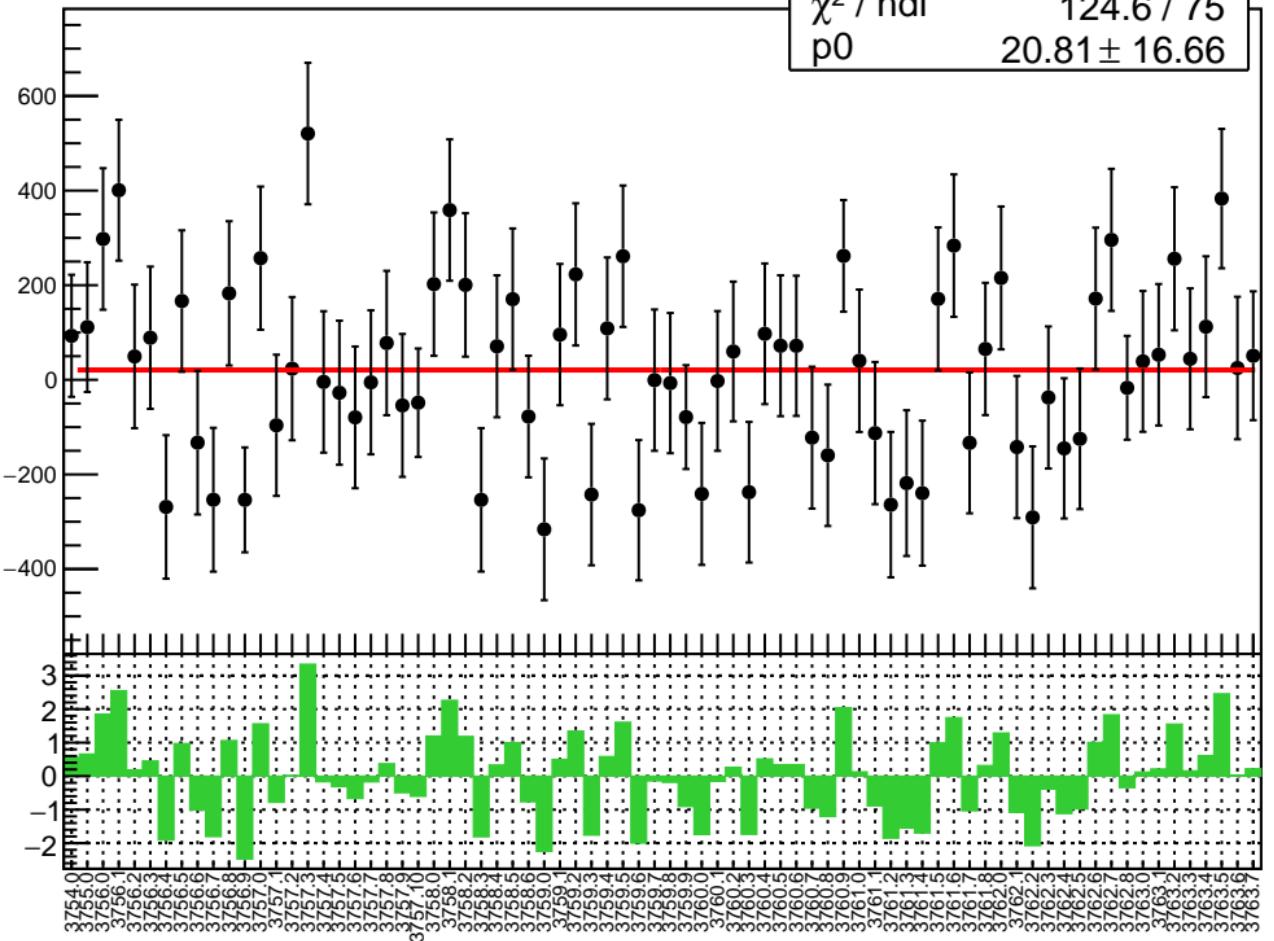
# lagr\_asym\_usl RMS (ppm)

RMS (ppm)



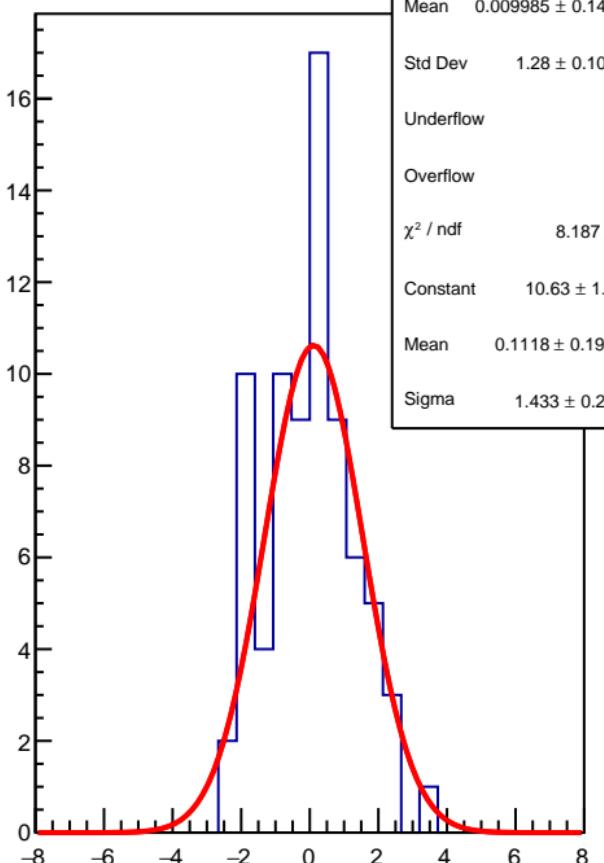
diff\_evMon0 (nm)

$\chi^2 / \text{ndf}$  124.6 / 75  
p0  $20.81 \pm 16.66$



1D pull distribution

Mean  $0.009985 \pm 0.1468$   
Std Dev  $1.28 \pm 0.1038$   
Underflow 0  
Overflow 0  
 $\chi^2 / \text{ndf}$  8.187 / 8  
Constant  $10.63 \pm 1.78$   
Mean  $0.1118 \pm 0.1987$   
Sigma  $1.433 \pm 0.214$

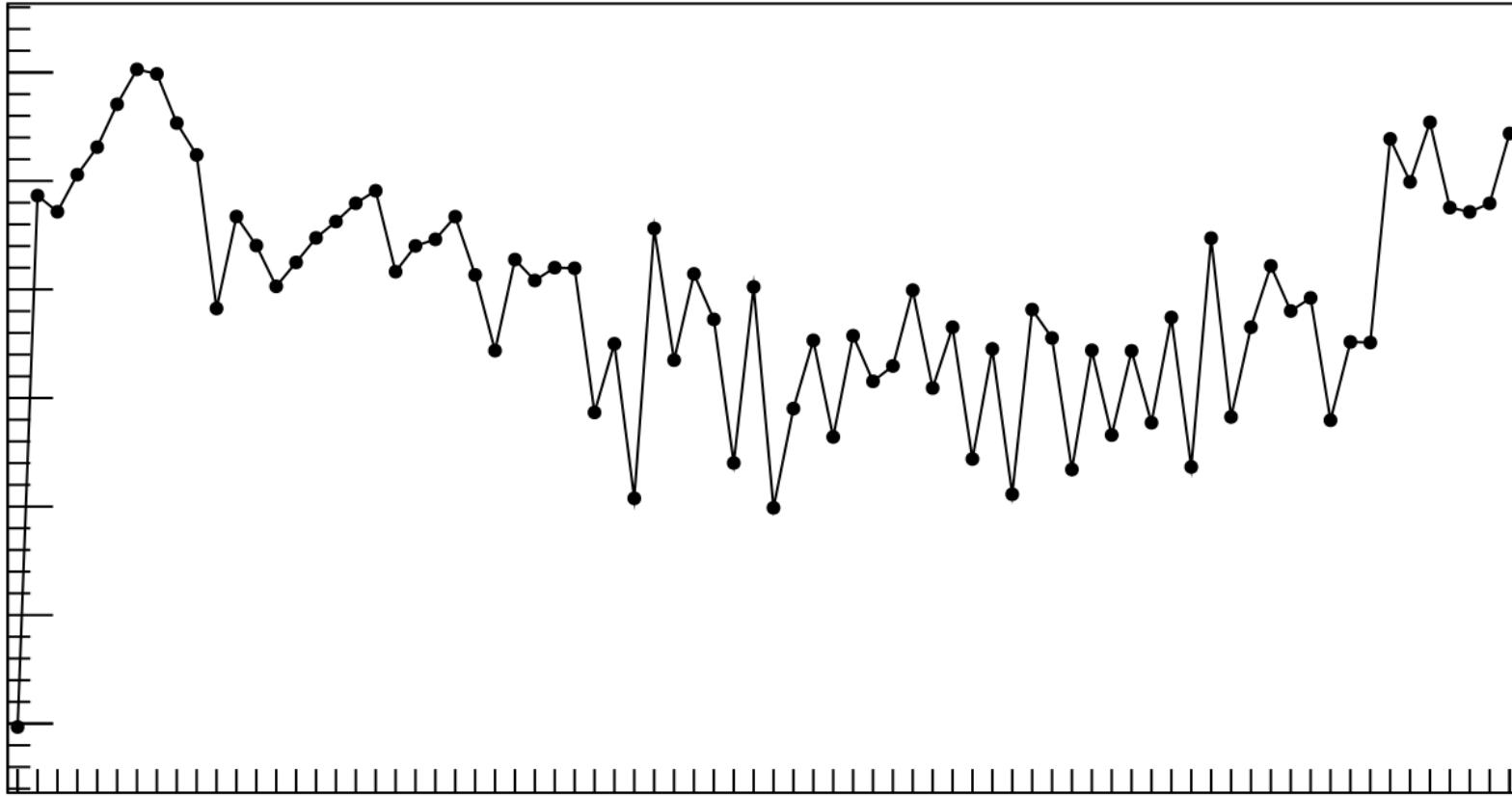


# diff\_evMon0 RMS (um)

RMS (um)

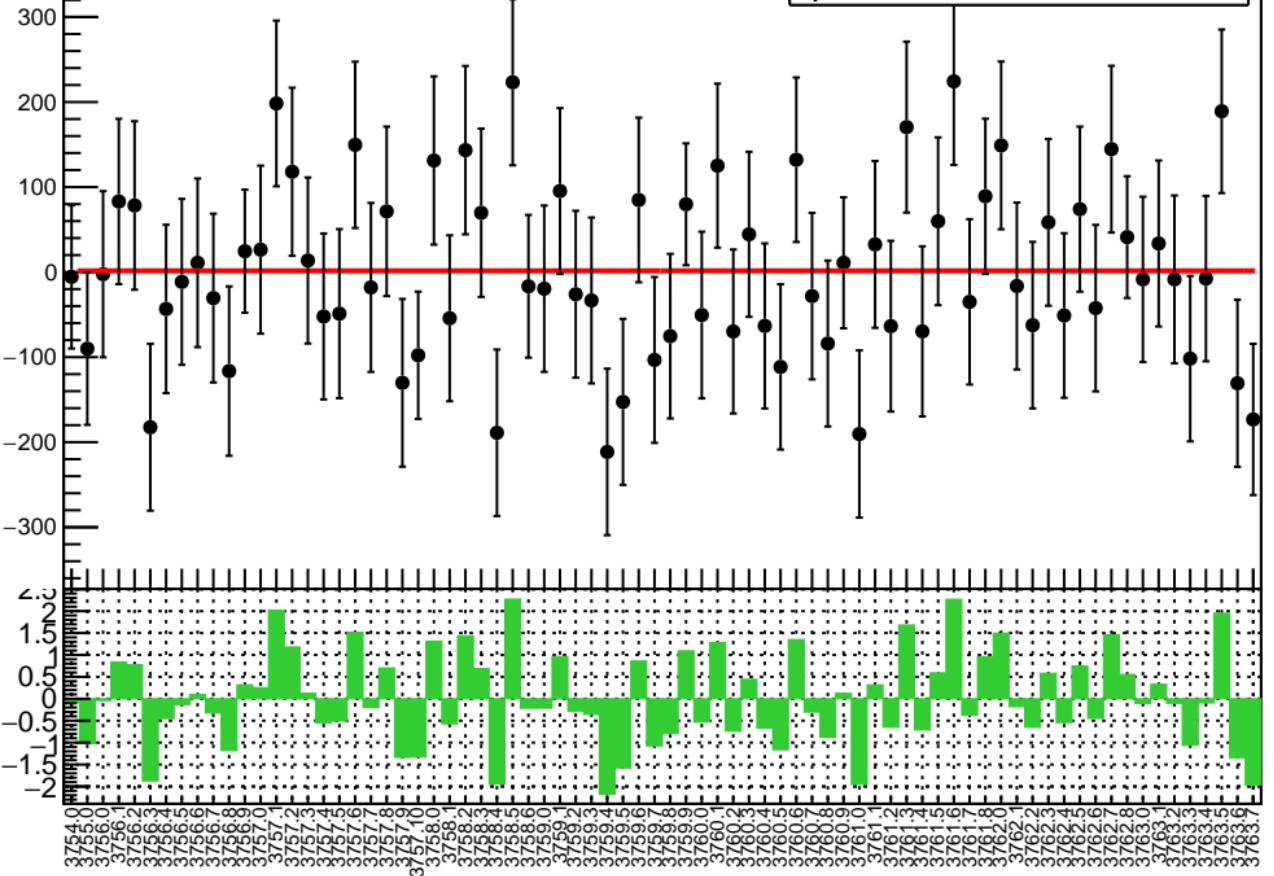
19.5  
19  
18.5  
18  
17.5  
17  
16.5

3754.0  
3756.0  
3756.1  
3756.2  
3756.4  
3756.5  
3756.6  
3756.8  
3756.9  
3756.10  
3757.1  
3757.2  
3757.3  
3757.4  
3757.5  
3757.6  
3757.7  
3757.8  
3757.9  
3757.10  
3758.0  
3758.1  
3758.2  
3758.3  
3758.4  
3758.5  
3758.6  
3758.7  
3758.8  
3758.9  
3758.10  
3759.0  
3759.1  
3759.2  
3759.3  
3759.4  
3759.5  
3759.6  
3759.7  
3759.8  
3759.9  
3760.0  
3760.1  
3760.2  
3760.3  
3760.4  
3760.5  
3760.6  
3760.7  
3760.8  
3760.9  
3761.0  
3761.1  
3761.2  
3761.3  
3761.4  
3761.5  
3761.6  
3761.7  
3761.8  
3762.0  
3762.1  
3762.2  
3762.3  
3762.4  
3762.5  
3762.6  
3763.1  
3763.2  
3763.3  
3763.4  
3763.5  
3763.6  
3763.7

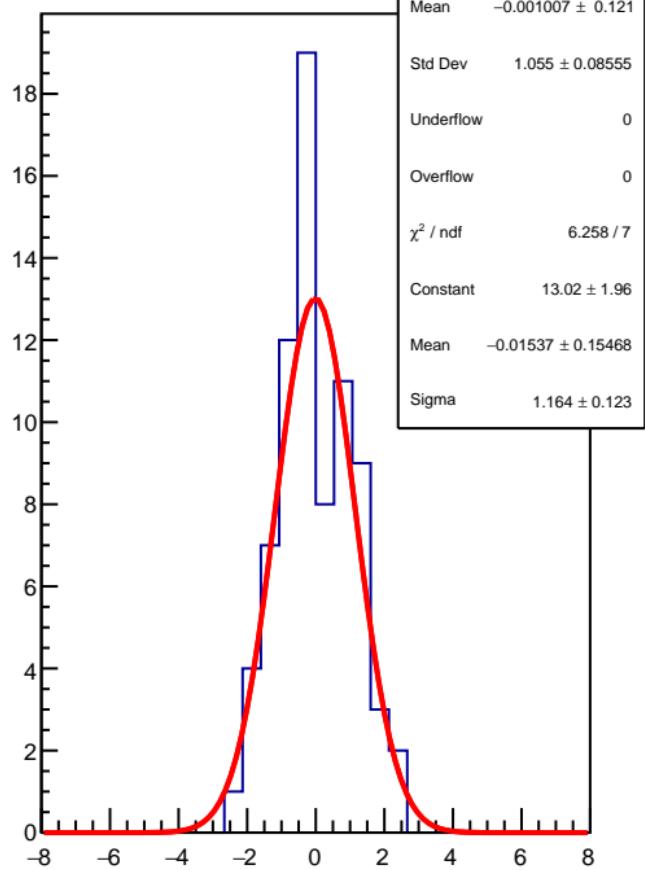


diff\_evMon1 (nm)

$\chi^2 / \text{ndf}$  84.54 / 75  
p0  $1.434 \pm 10.88$

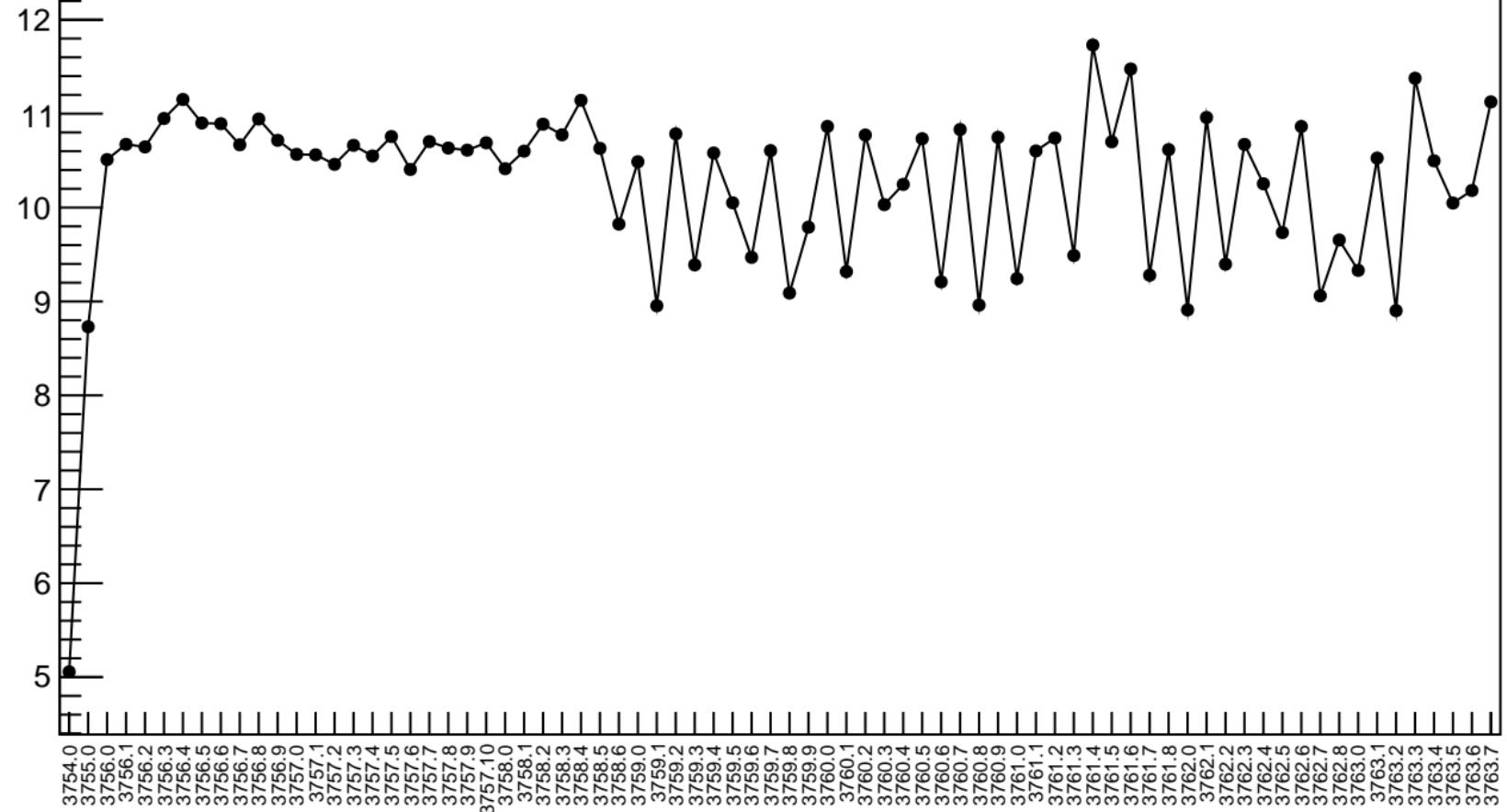


1D pull distribution



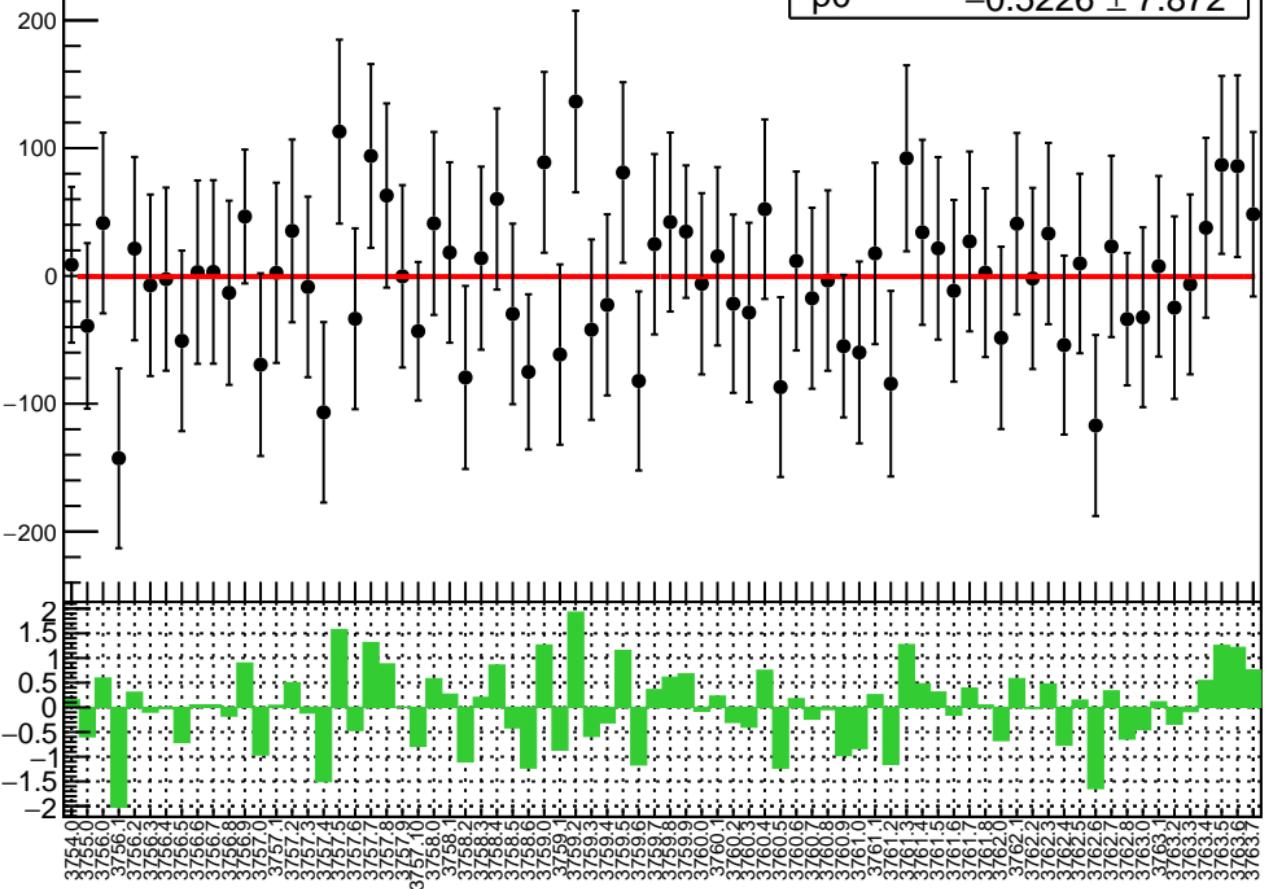
# diff\_evMon1 RMS (um)

RMS (um)

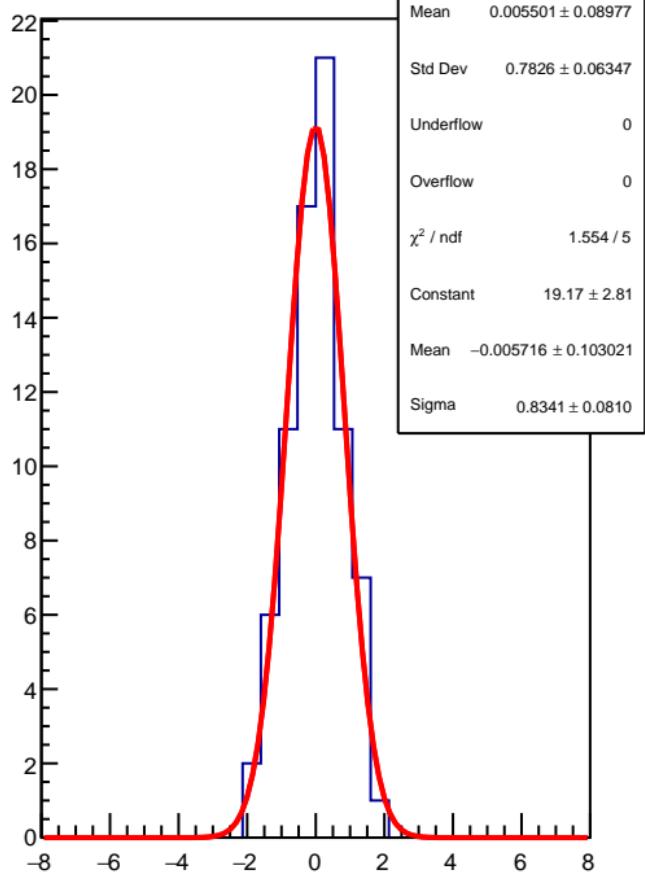


diff\_evMon2 (nm)

$\chi^2 / \text{ndf}$  46.54 / 75  
p0  $-0.5226 \pm 7.872$

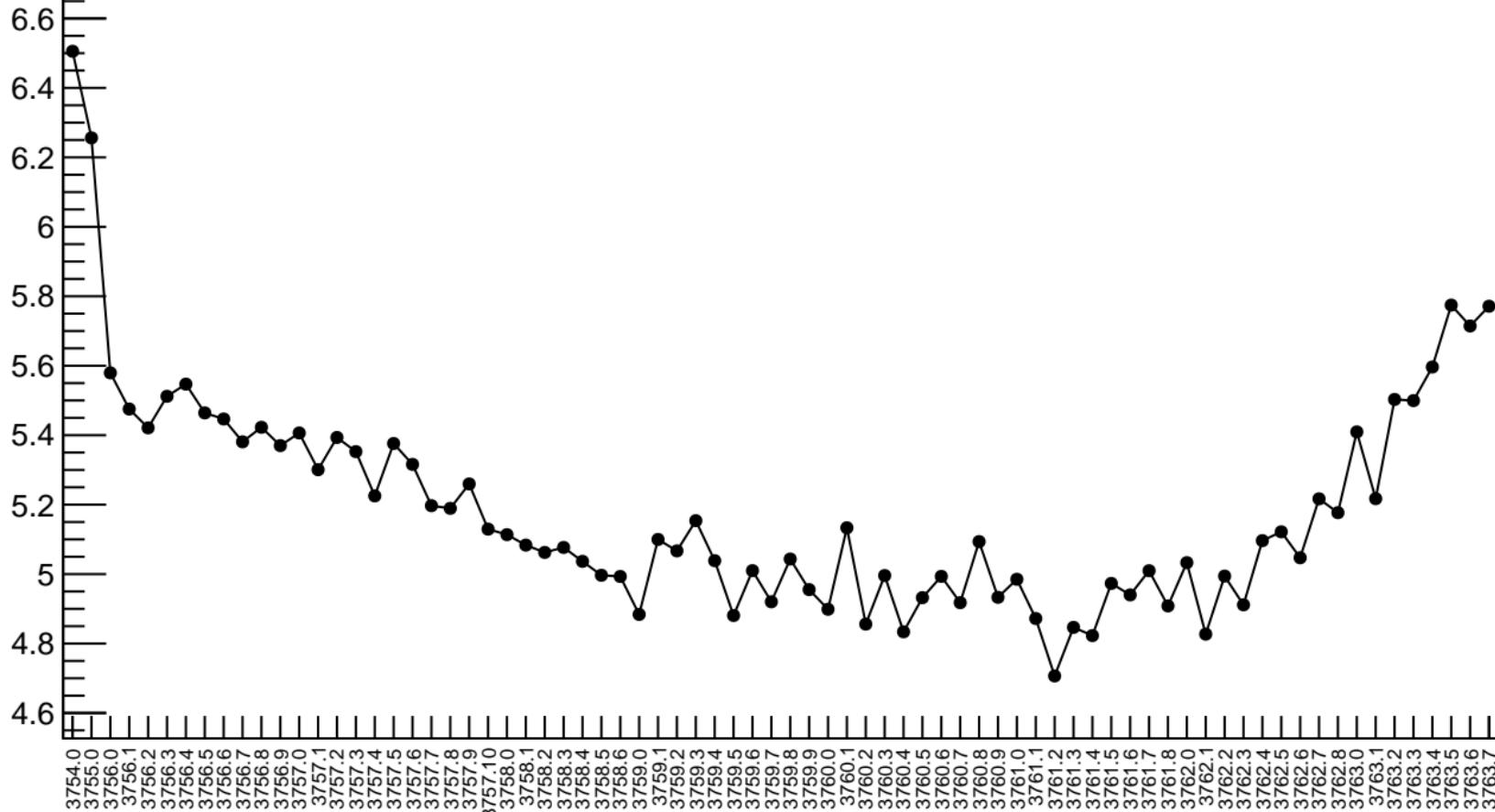


1D pull distribution



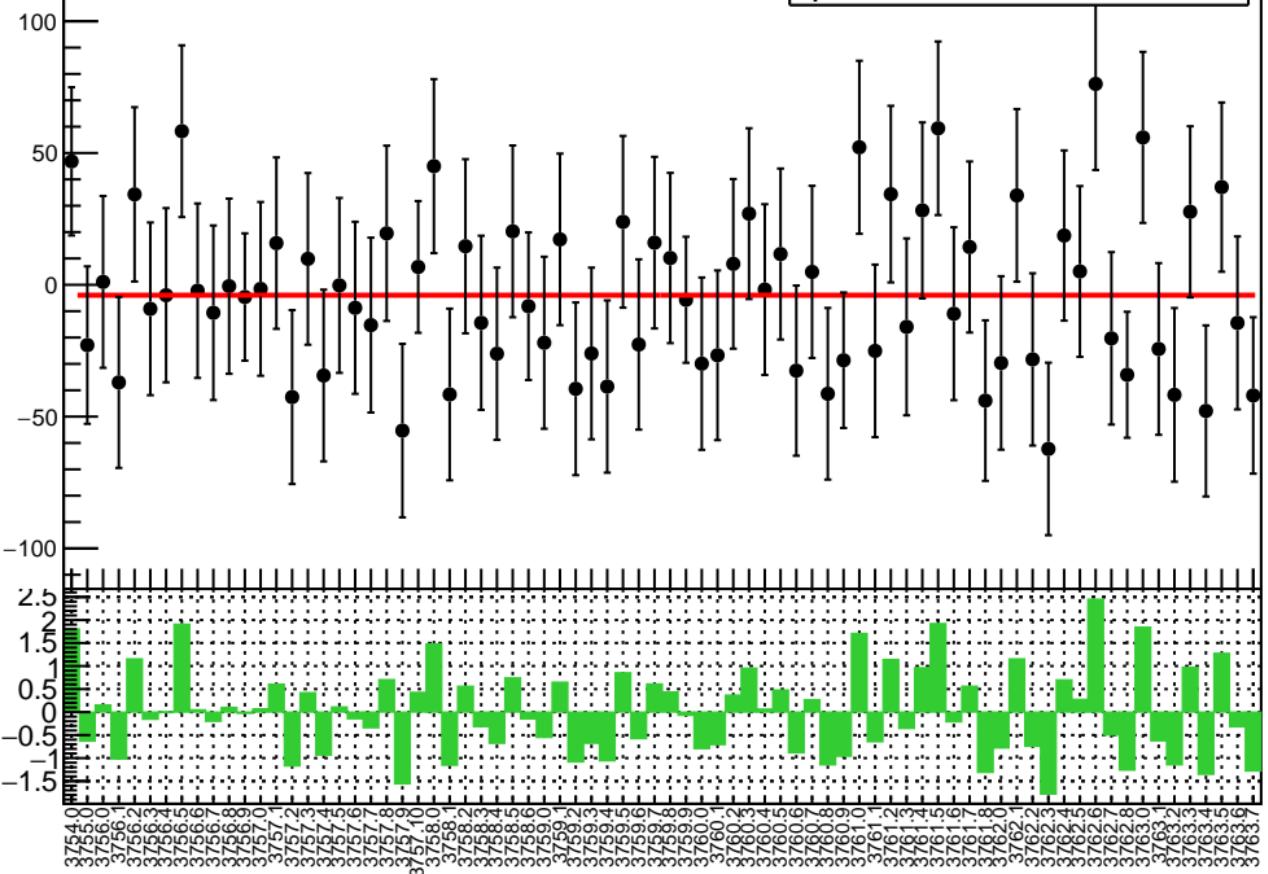
# diff\_evMon2 RMS (um)

RMS (um)

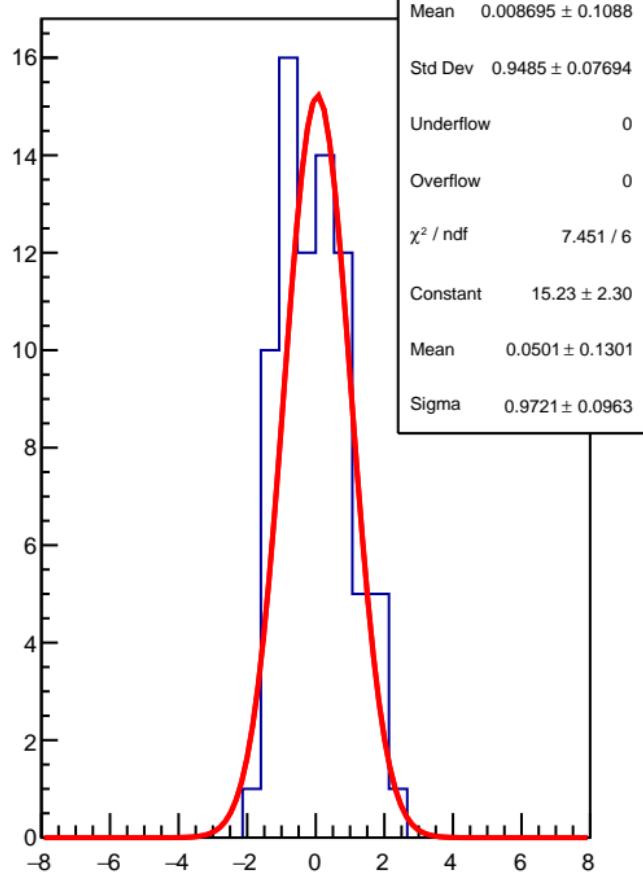


diff\_evMon3 (nm)

$\chi^2 / \text{ndf}$  68.38 / 75  
 $p_0$   $-3.94 \pm 3.63$

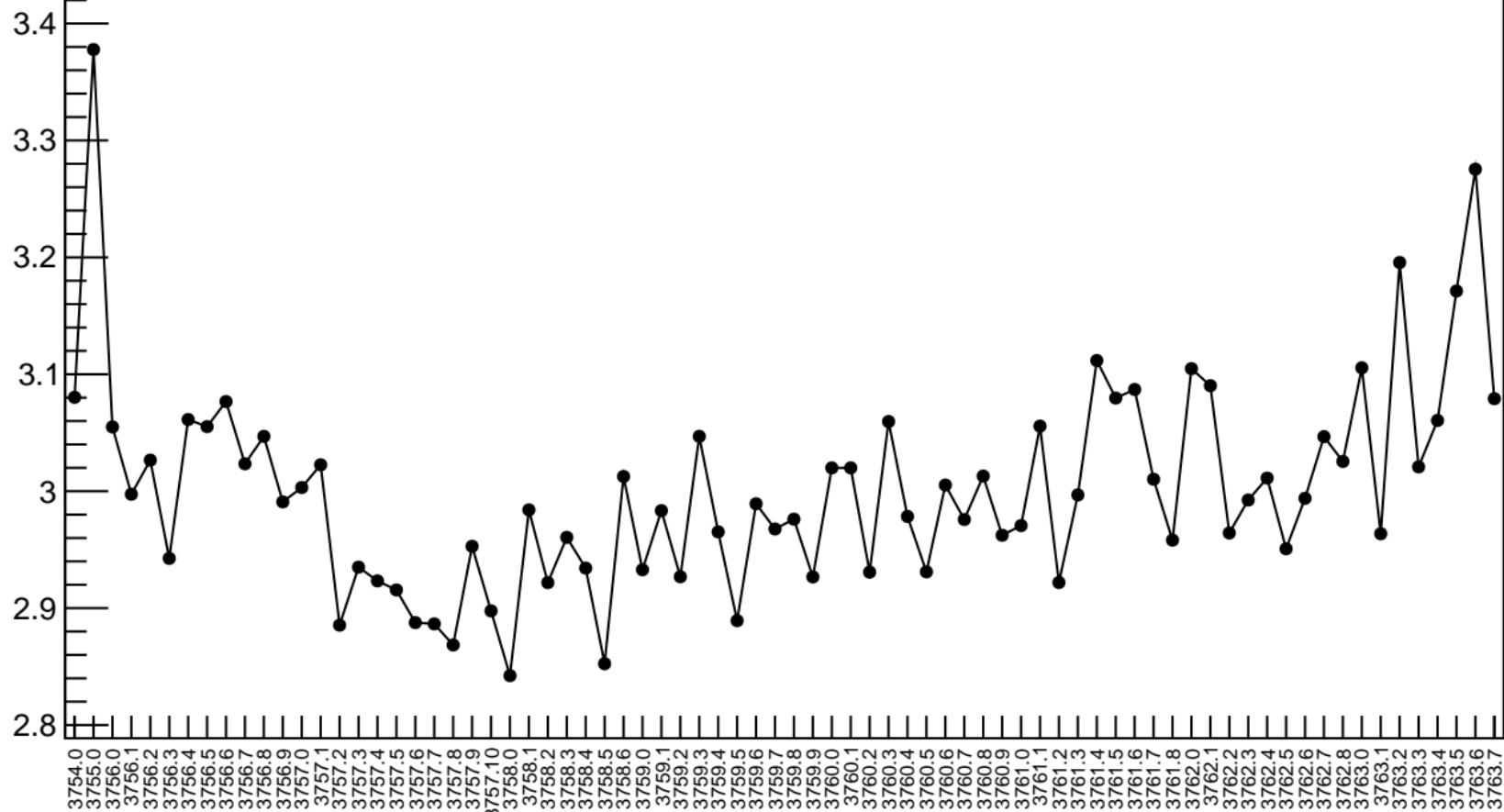


1D pull distribution



# diff\_evMon3 RMS (um)

RMS (um)

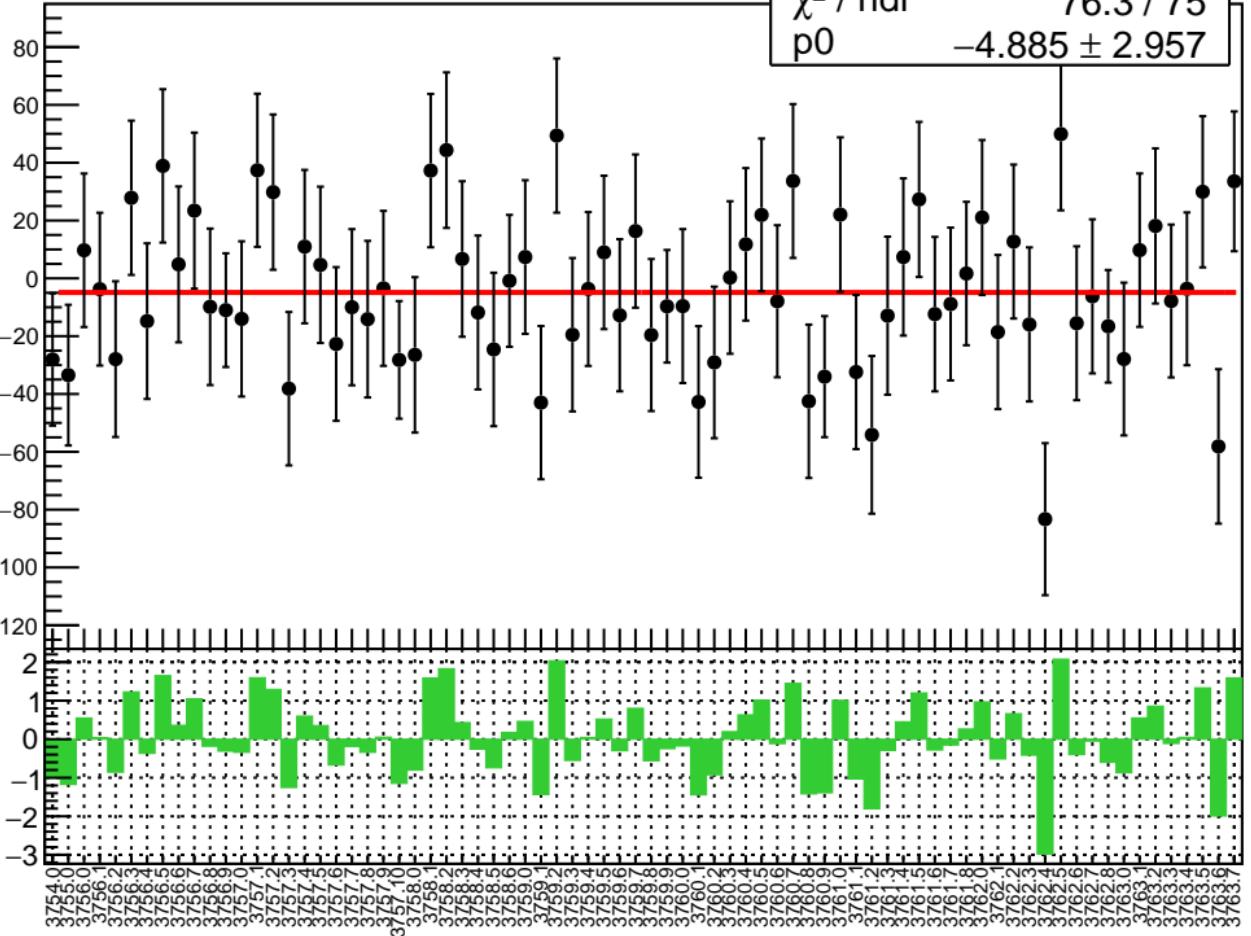


diff\_evMon4 (nm)

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

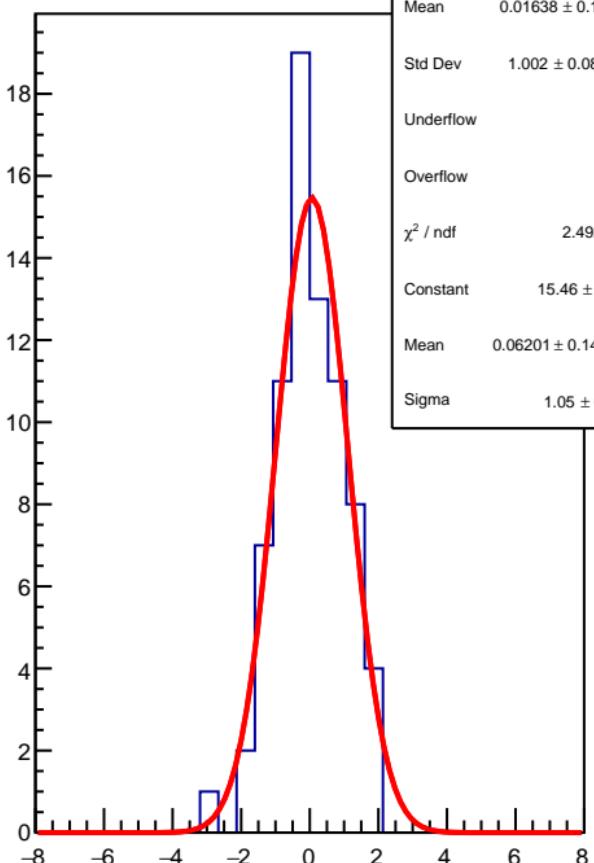
76.3 / 75

$p_0$   $-4.885 \pm 2.957$



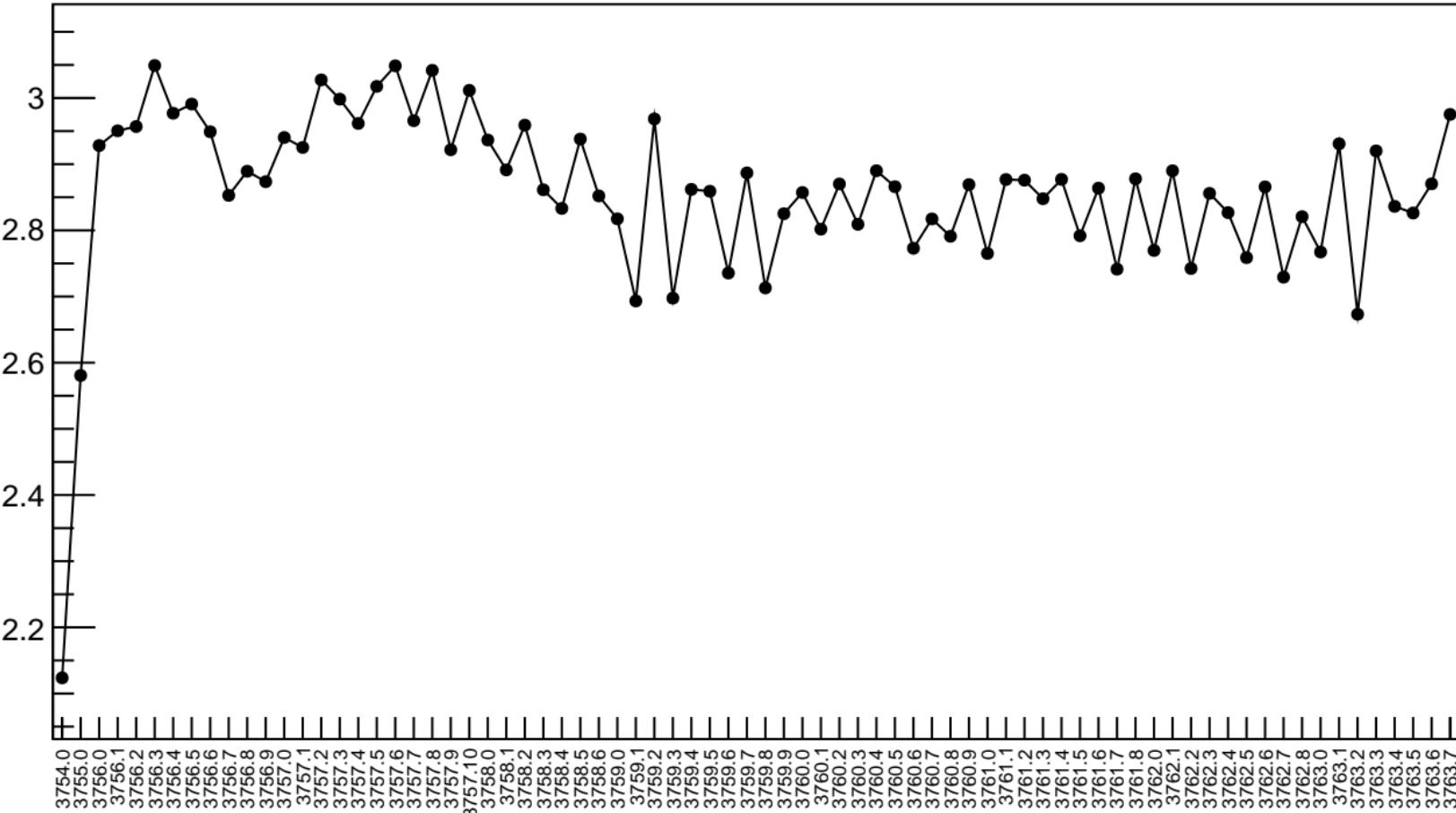
1D pull distribution

Mean	$0.01638 \pm 0.1149$
Std Dev	$1.002 \pm 0.08126$
Underflow	0
Overflow	0
$\chi^2 / \text{ndf}$	2.492 / 6
Constant	$15.46 \pm 2.41$
Mean	$0.06201 \pm 0.14129$
Sigma	$1.05 \pm 0.13$



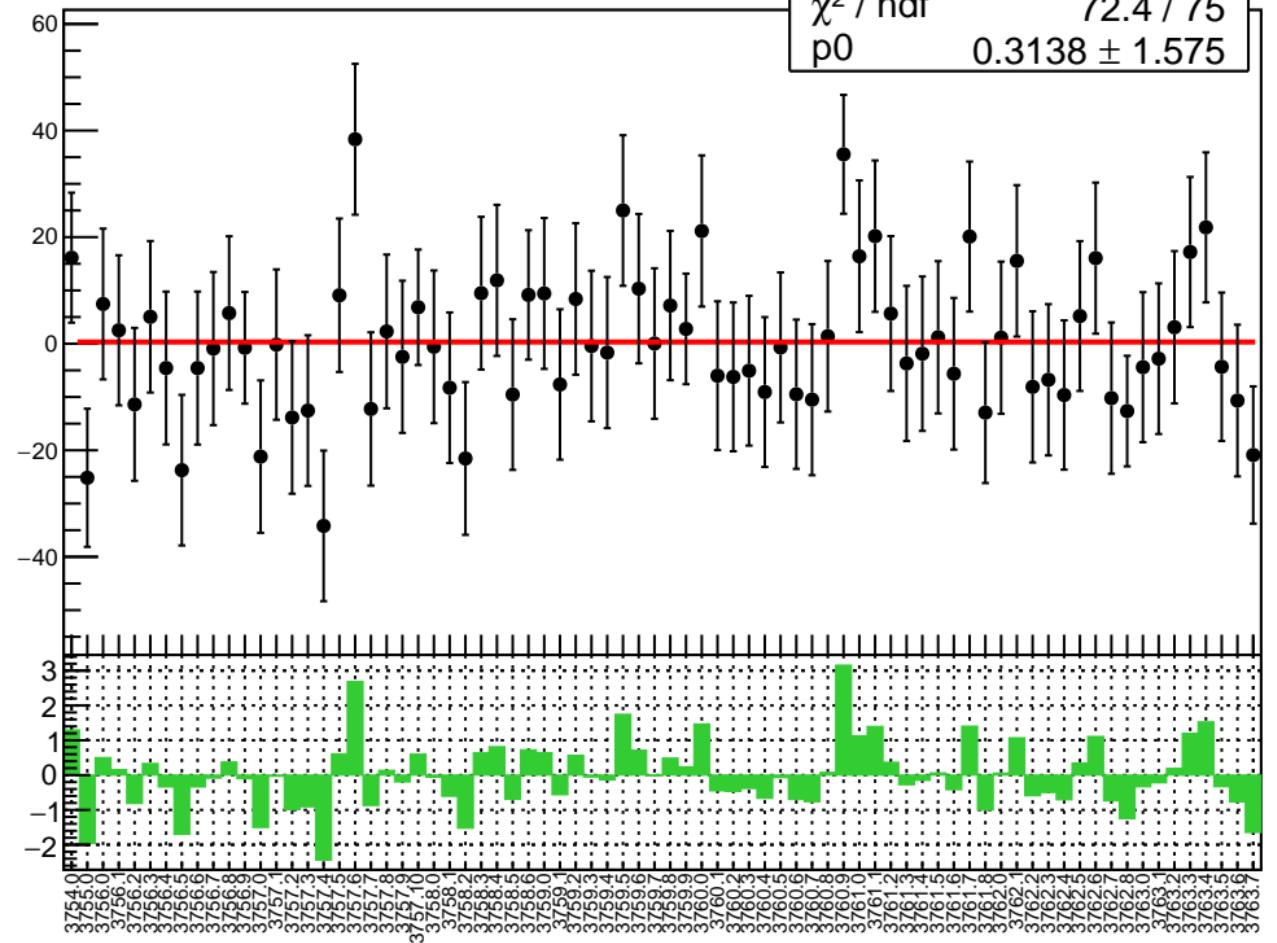
# diff\_evMon4 RMS (um)

RMS (um)

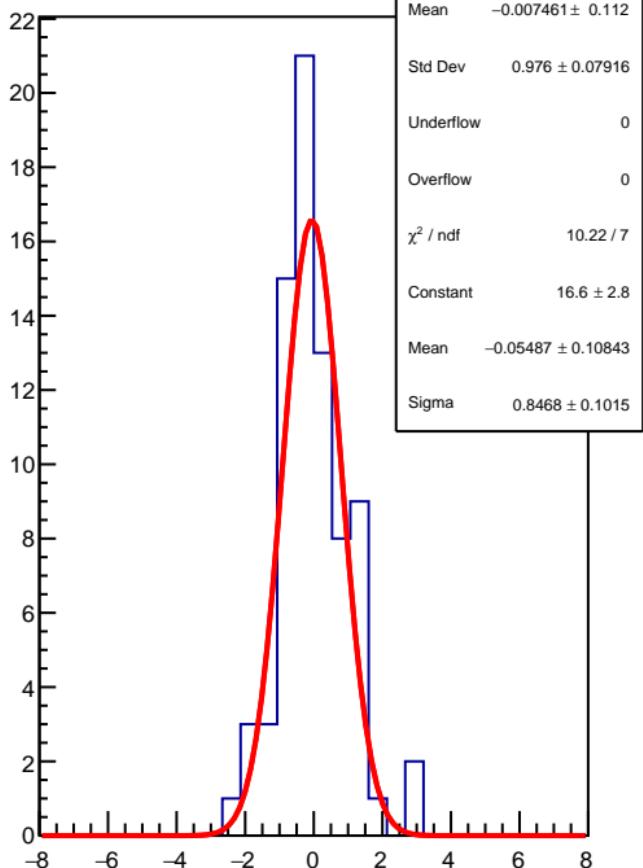


diff\_evMon5 (nm)

$\chi^2 / \text{ndf}$  72.4 / 75  
p0  $0.3138 \pm 1.575$

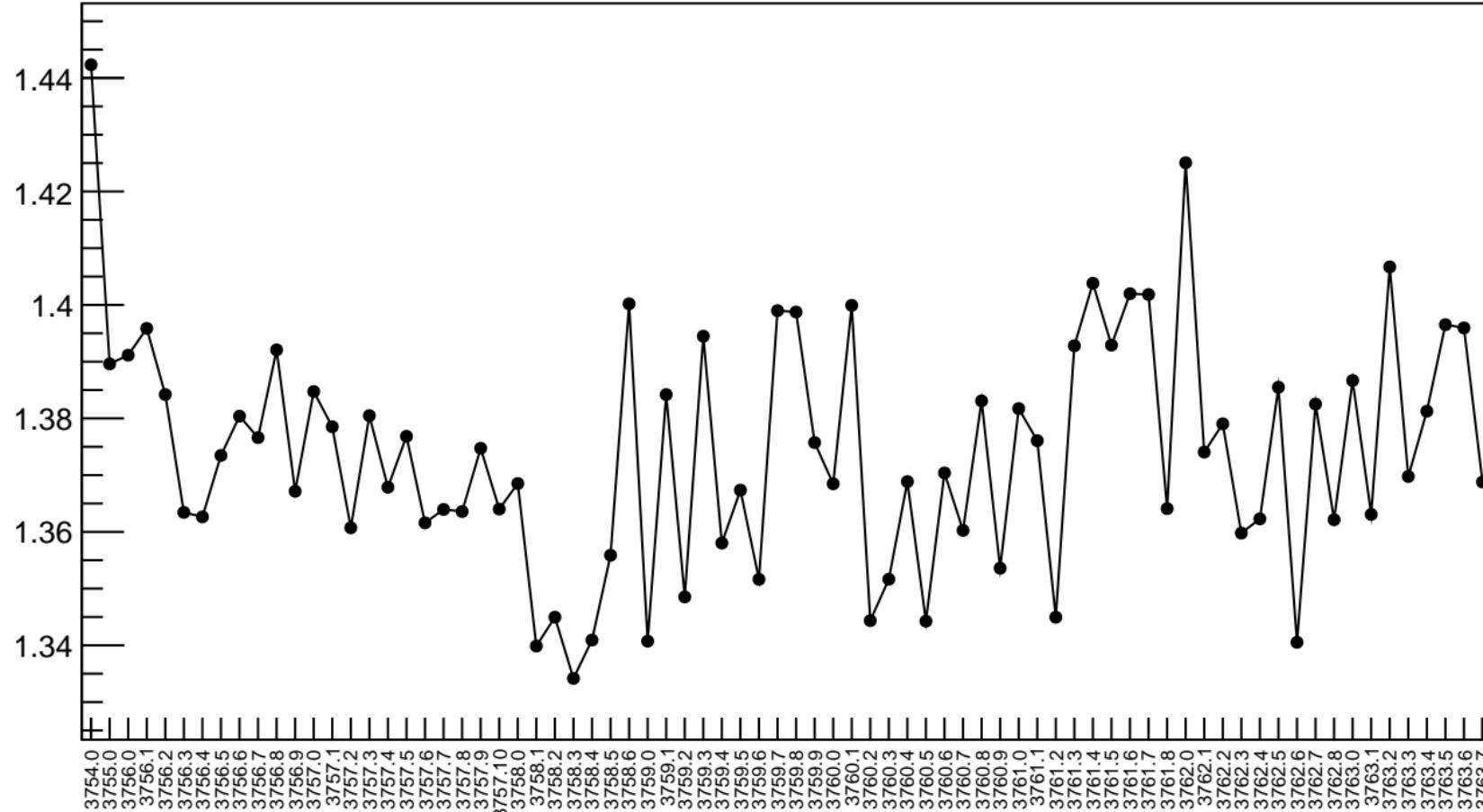


1D pull distribution



# diff\_evMon5 RMS (um)

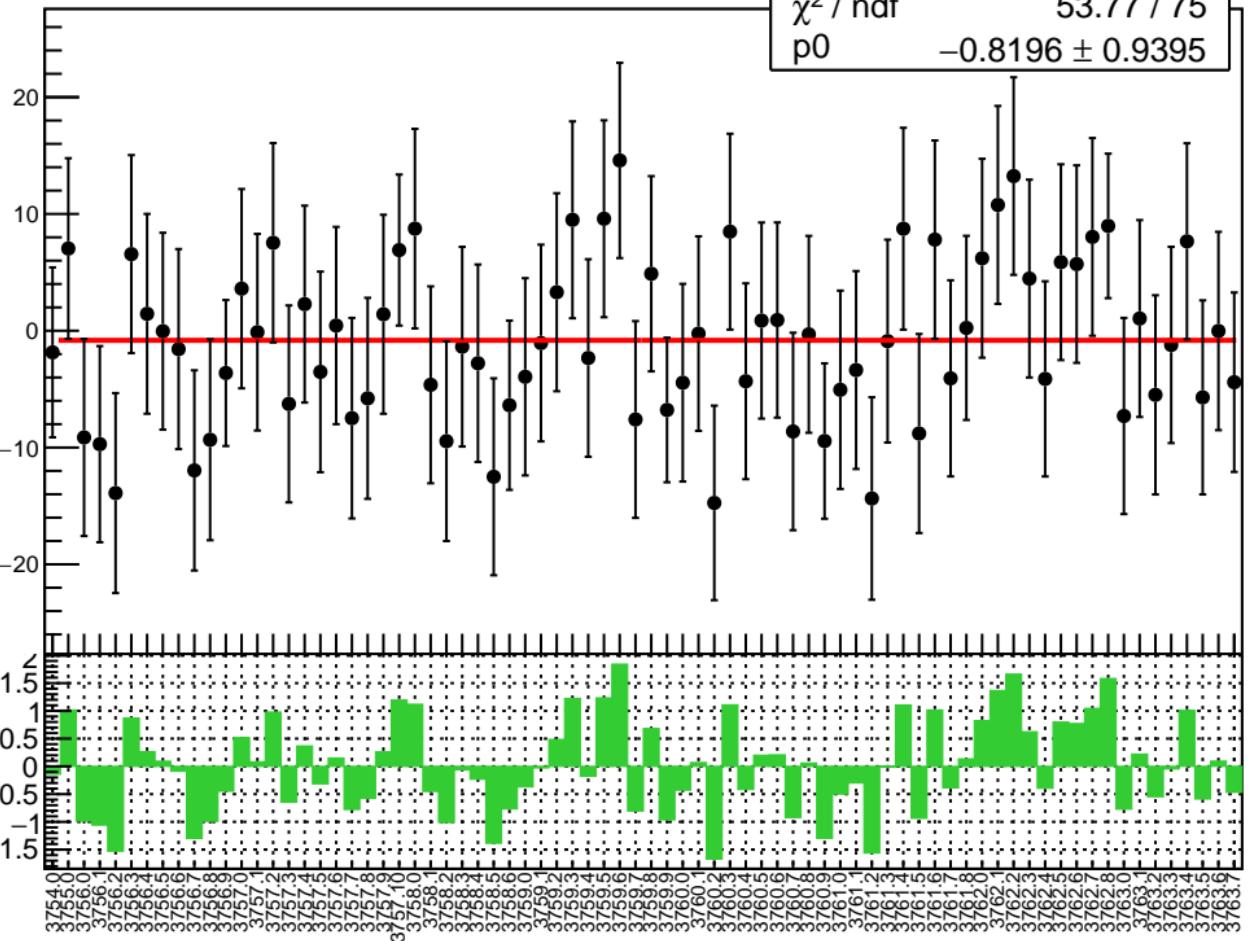
RMS (um)



diff\_evMon6 (nm)

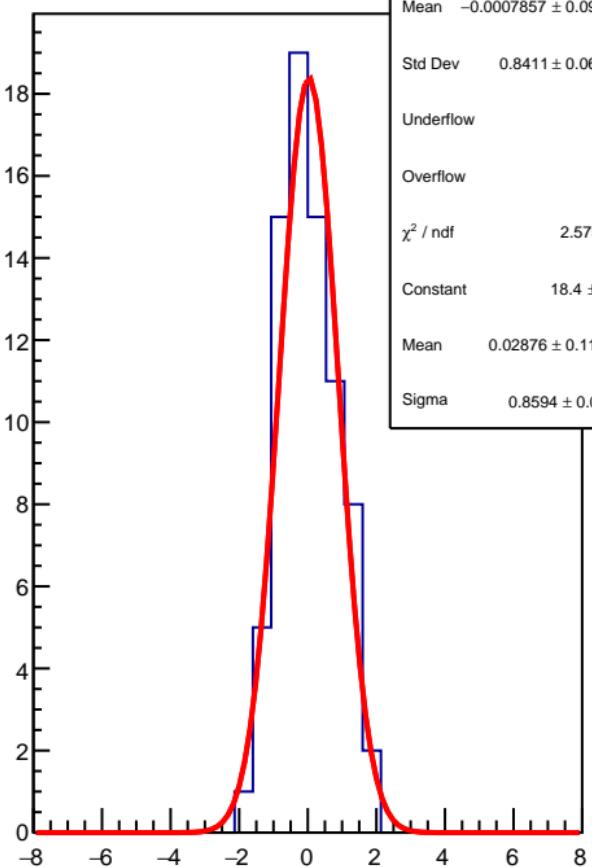
 $\chi^2 / \text{ndf}$ 

53.77 / 75

p0  
 $-0.8196 \pm 0.9395$ 

1D pull distribution

Mean	$-0.0007857 \pm 0.09648$
Std Dev	$0.8411 \pm 0.06822$
Underflow	0
Overflow	0
$\chi^2 / \text{ndf}$	2.575 / 5
Constant	$18.4 \pm 2.7$
Mean	0.02876 ± 0.11160
Sigma	$0.8594 \pm 0.0821$

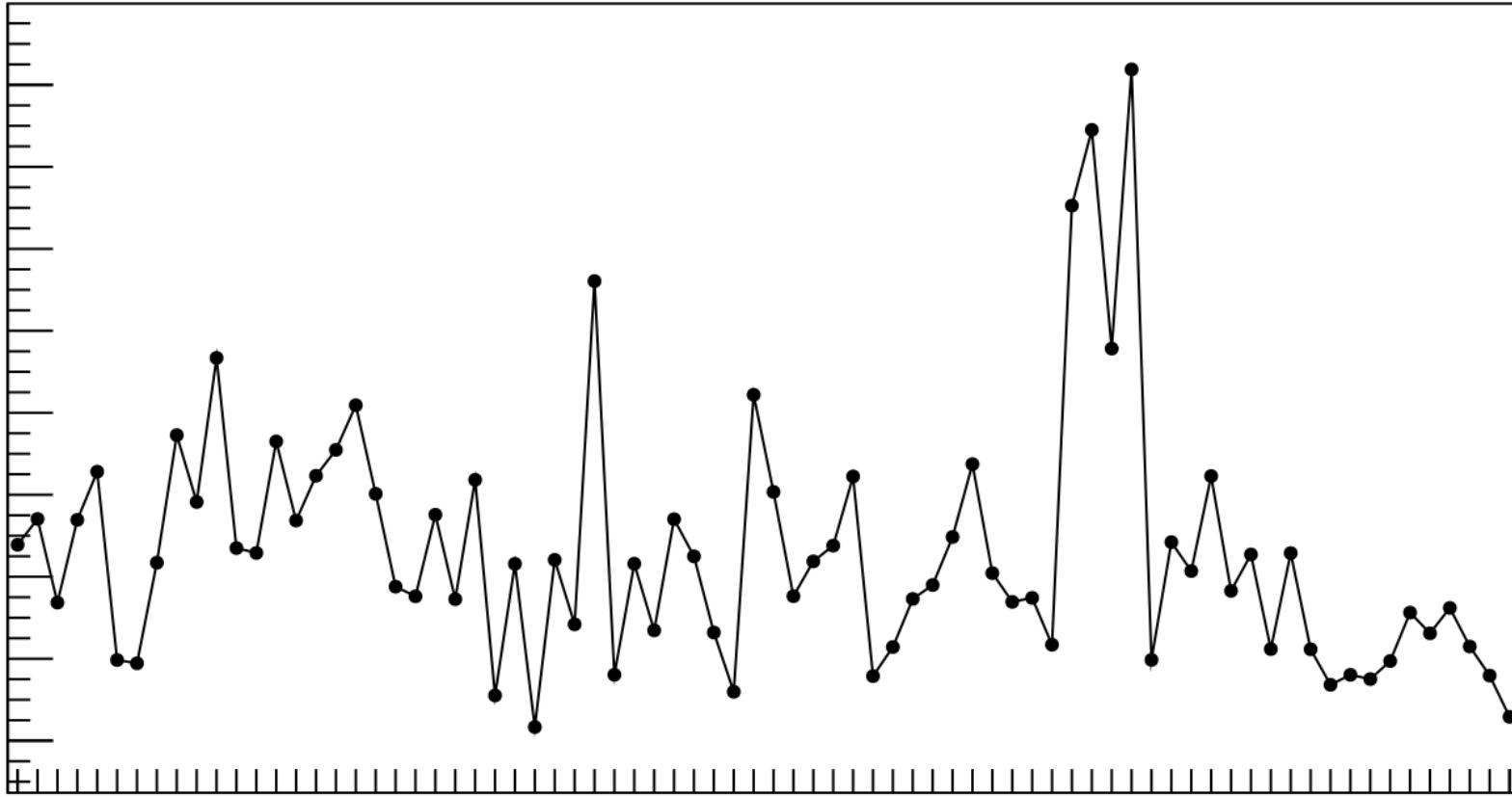


# diff\_evMon6 RMS (um)

RMS (um)

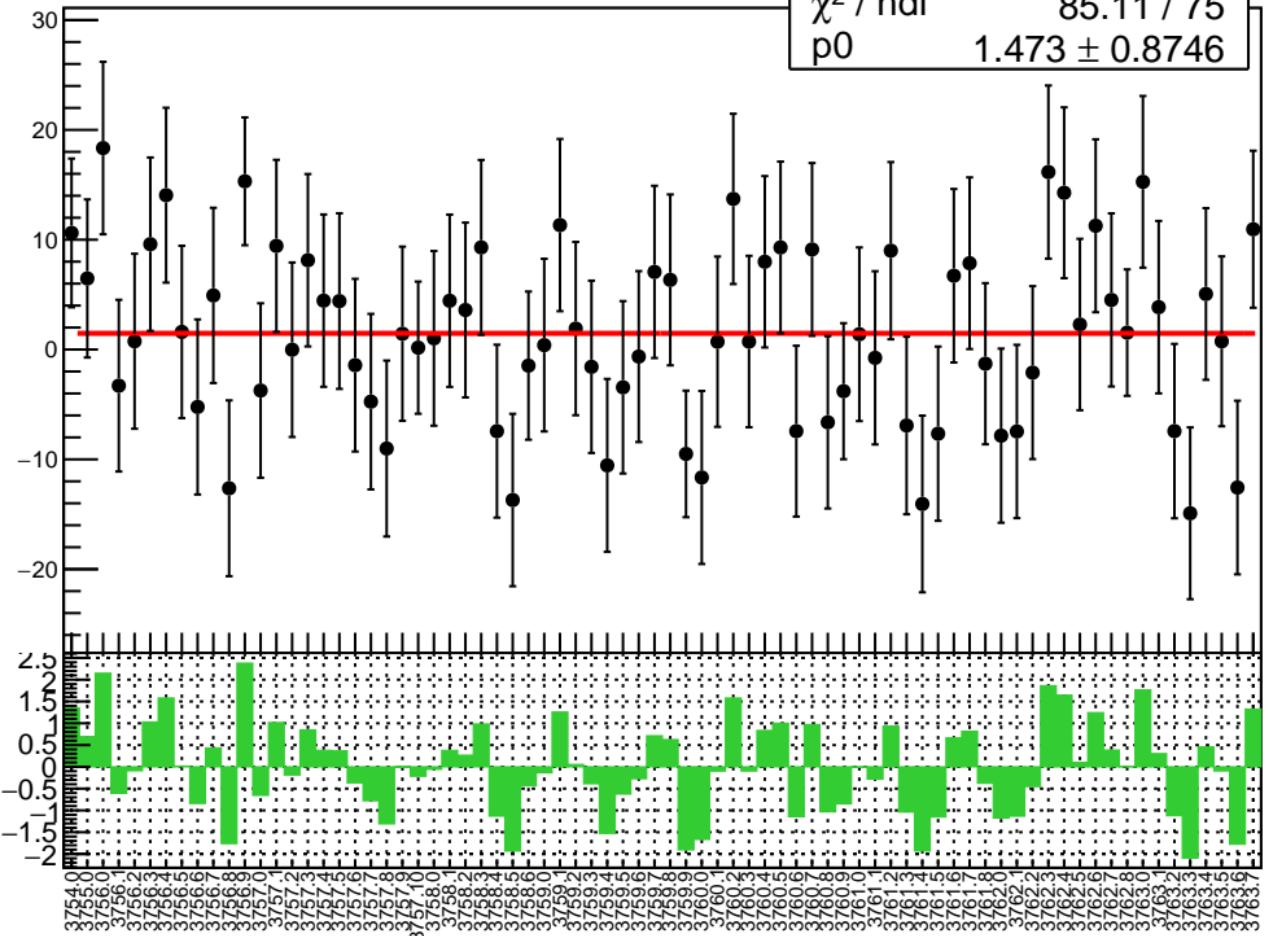
0.76  
0.74  
0.72  
0.70  
0.68  
0.66  
0.64  
0.62  
0.60

3754.0  
3755.0  
3756.1  
3756.2  
3756.3  
3756.4  
3756.5  
3756.6  
3756.7  
3756.8  
3756.9  
3757.0  
3757.1  
3757.2  
3757.3  
3757.4  
3757.5  
3757.6  
3757.7  
3757.8  
3757.9  
3757.10  
3758.0  
3758.1  
3758.2  
3758.3  
3758.4  
3758.5  
3758.6  
3758.7  
3758.8  
3758.9  
3759.0  
3759.1  
3759.2  
3759.3  
3759.4  
3759.5  
3759.6  
3759.7  
3759.8  
3759.9  
3760.0  
3760.1  
3760.2  
3760.3  
3760.4  
3760.5  
3760.6  
3760.7  
3760.8  
3760.9  
3761.0  
3761.1  
3761.2  
3761.3  
3761.4  
3761.5  
3761.6  
3761.7  
3762.0  
3762.1  
3762.2  
3762.3  
3762.4  
3762.5  
3763.0  
3763.1  
3763.2  
3763.3  
3763.4  
3763.5  
3763.6  
3763.7

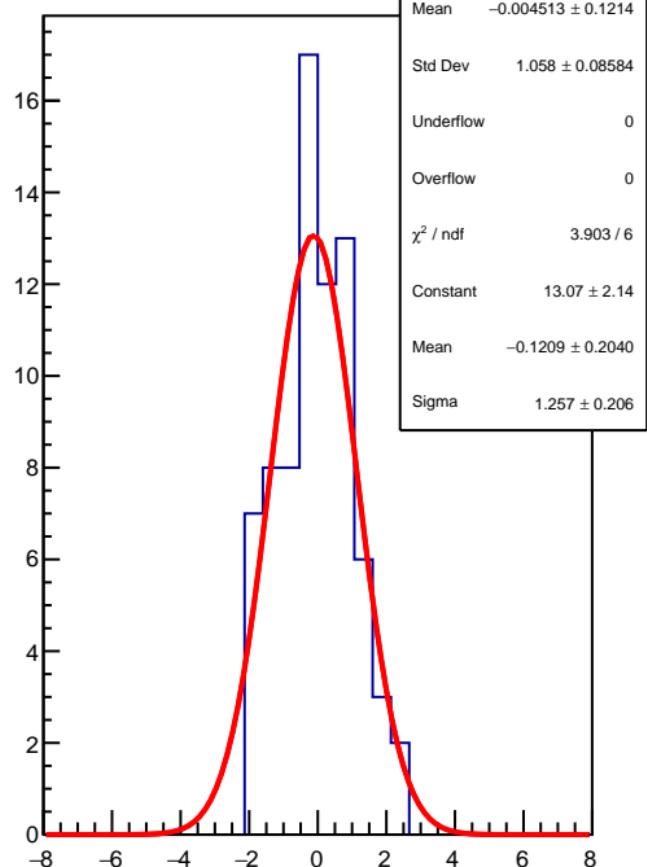


diff\_evMon7 (nm)

$\chi^2 / \text{ndf}$  85.11 / 75  
p0  $1.473 \pm 0.8746$

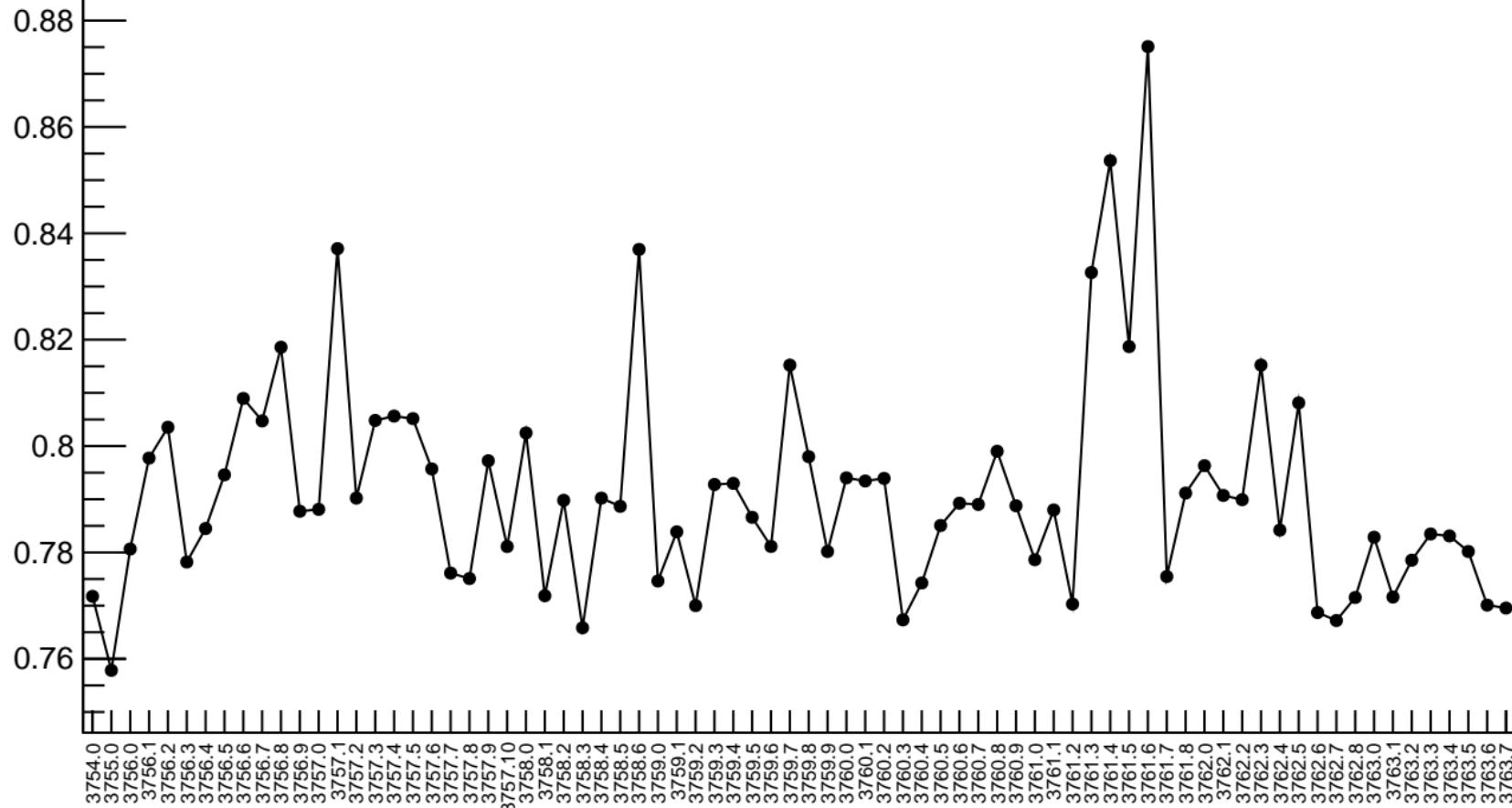


1D pull distribution



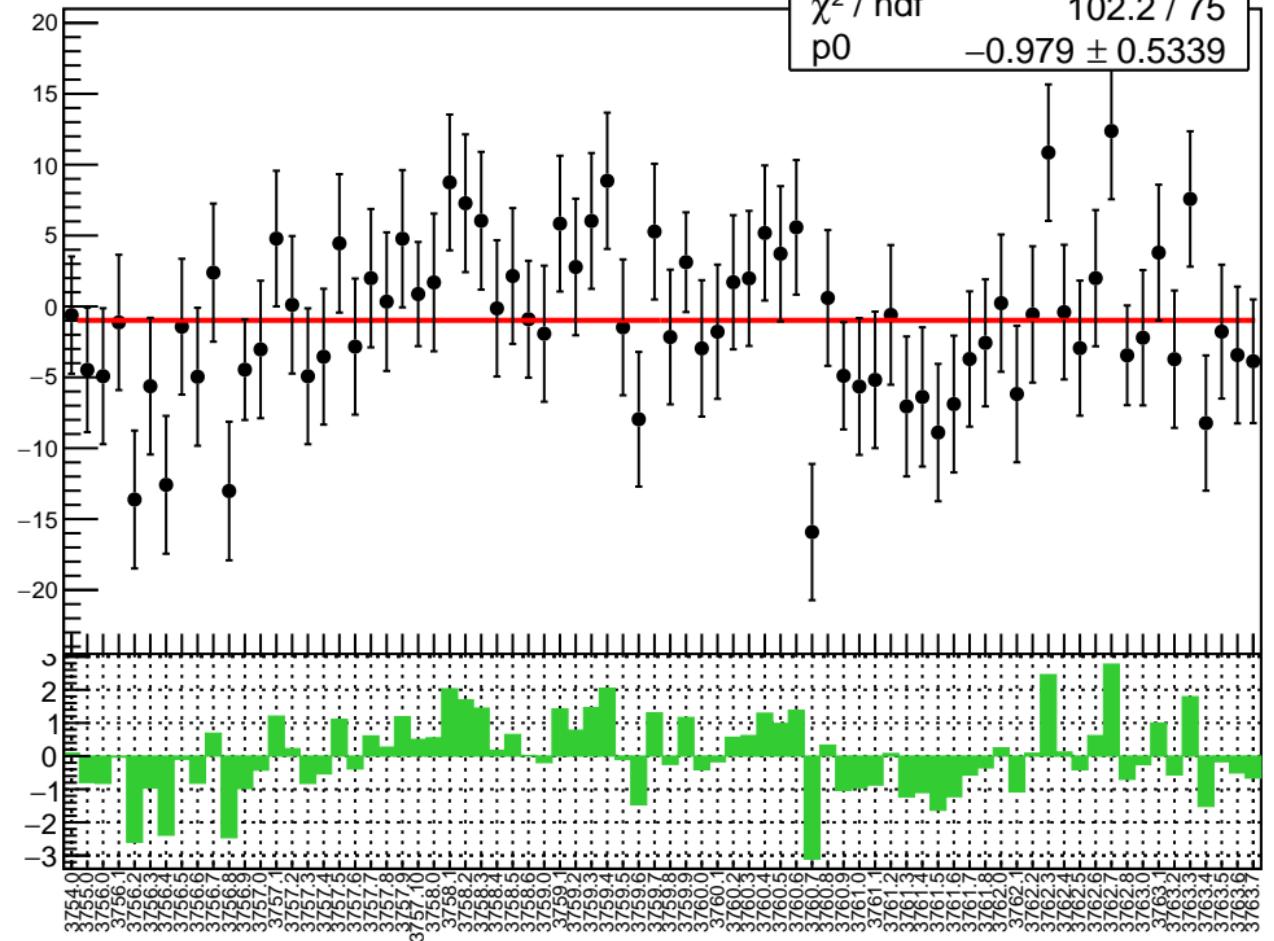
# diff\_evMon7 RMS (um)

RMS (um)

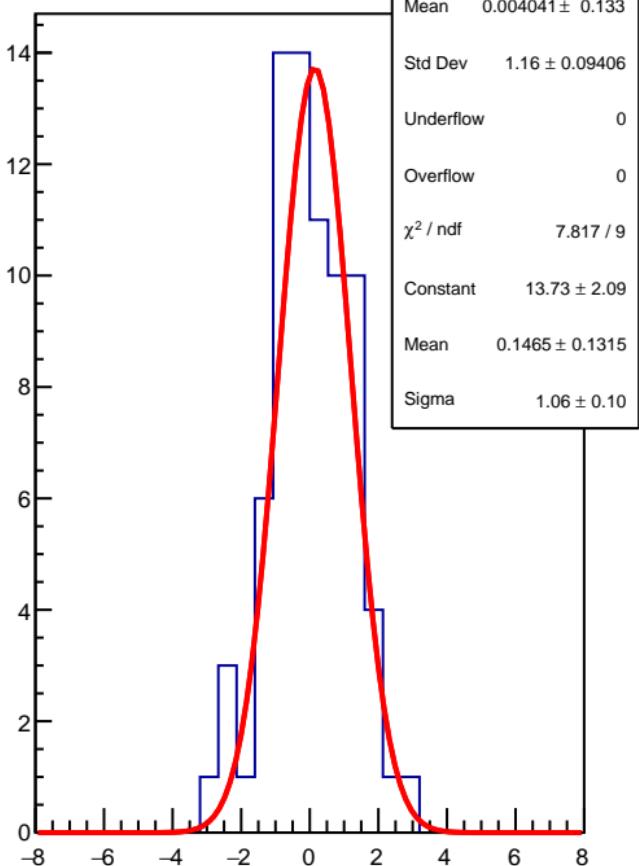


diff\_evMon8 (nm)

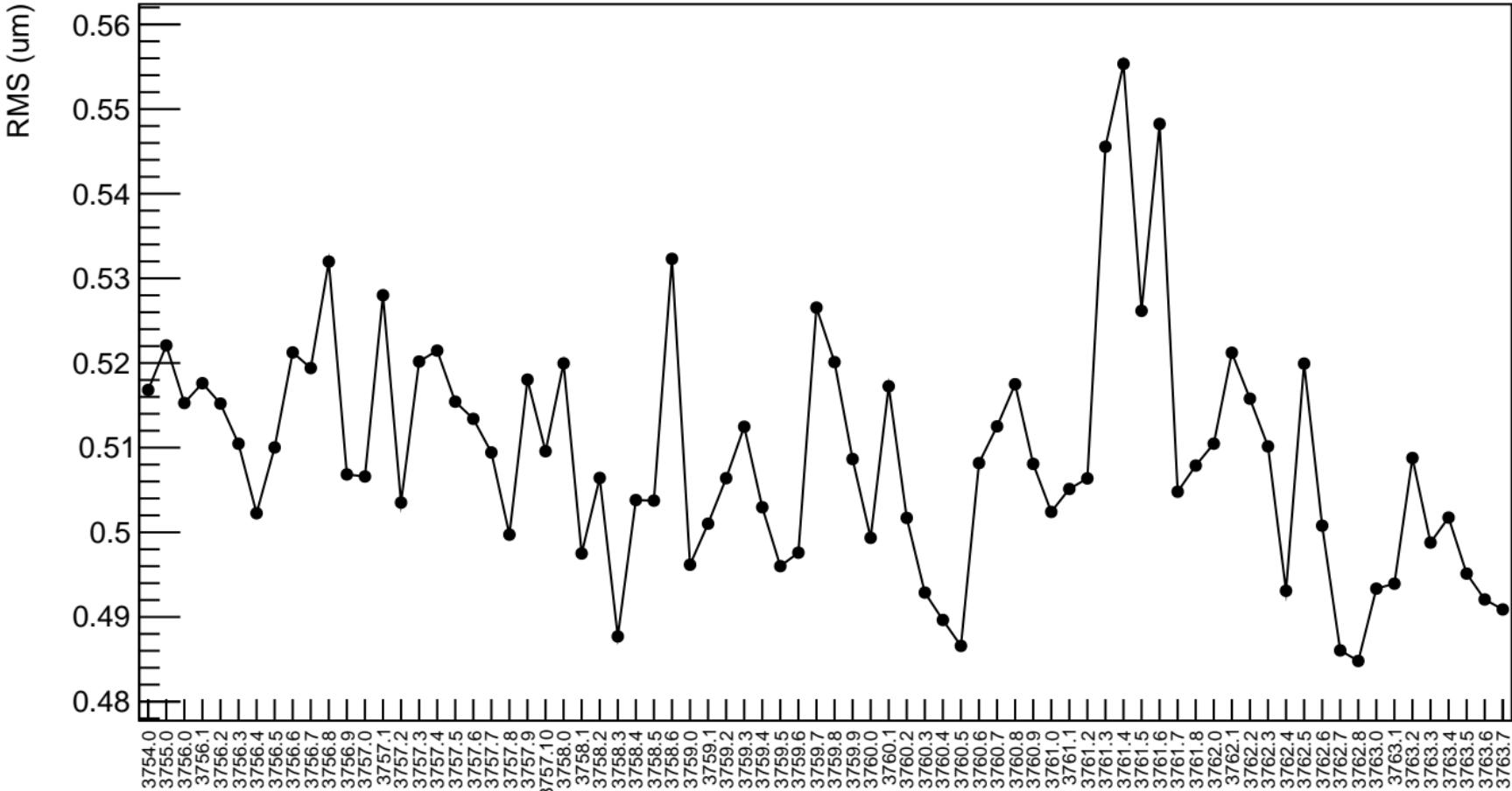
$\chi^2 / \text{ndf}$  102.2 / 75  
 $p_0$   $-0.979 \pm 0.5339$



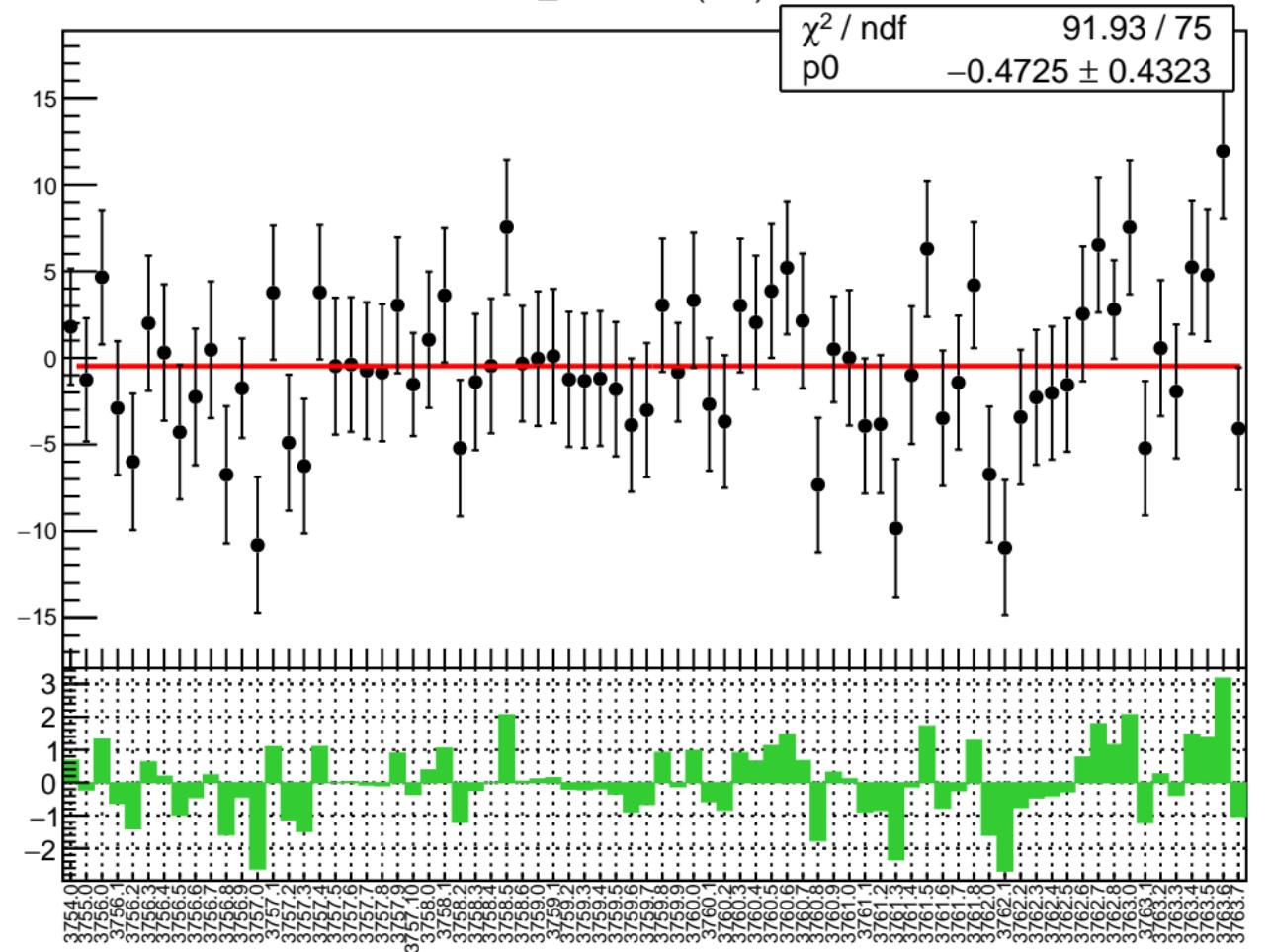
1D pull distribution



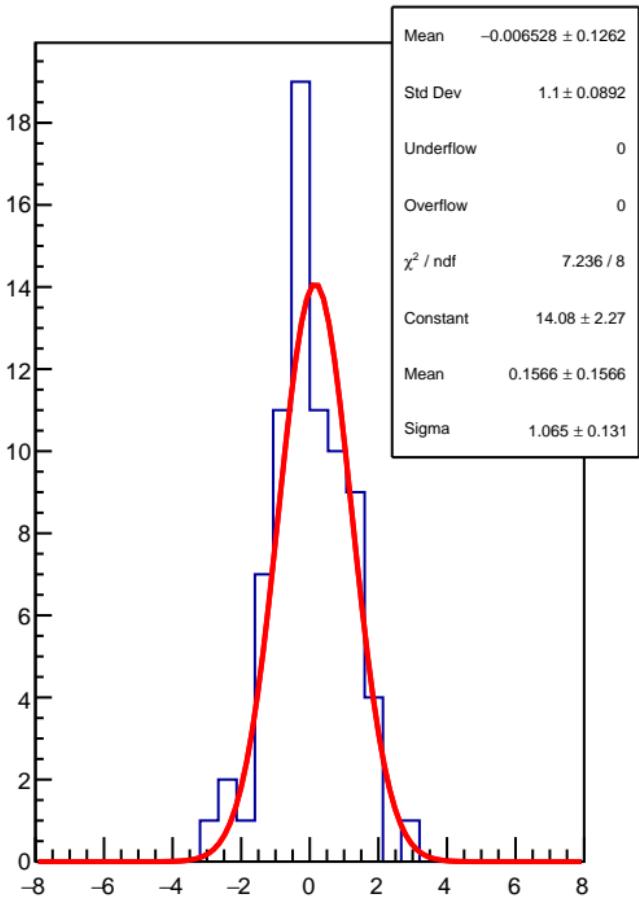
# diff\_evMon8 RMS (um)



diff\_evMon9 (nm)

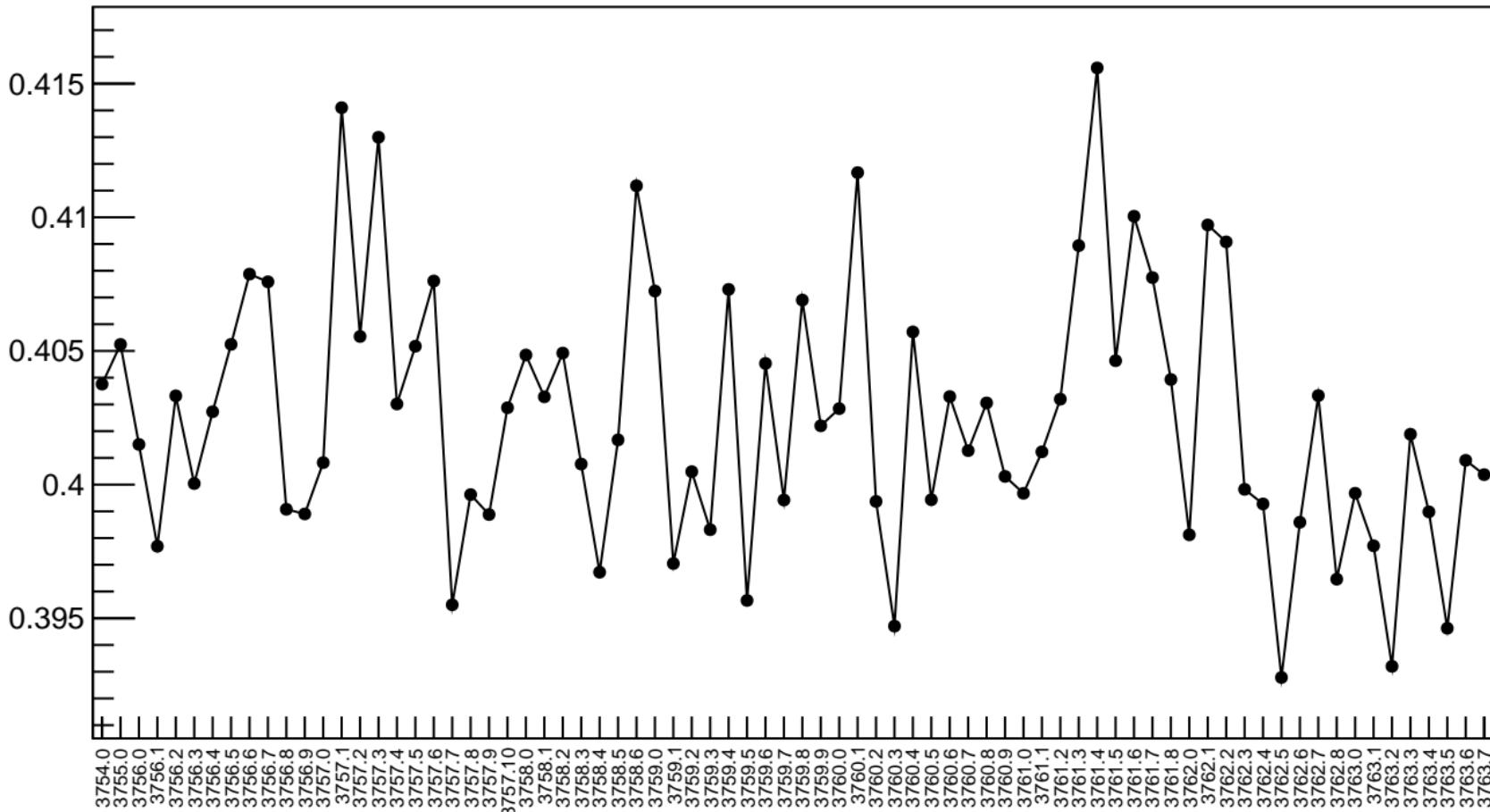


1D pull distribution



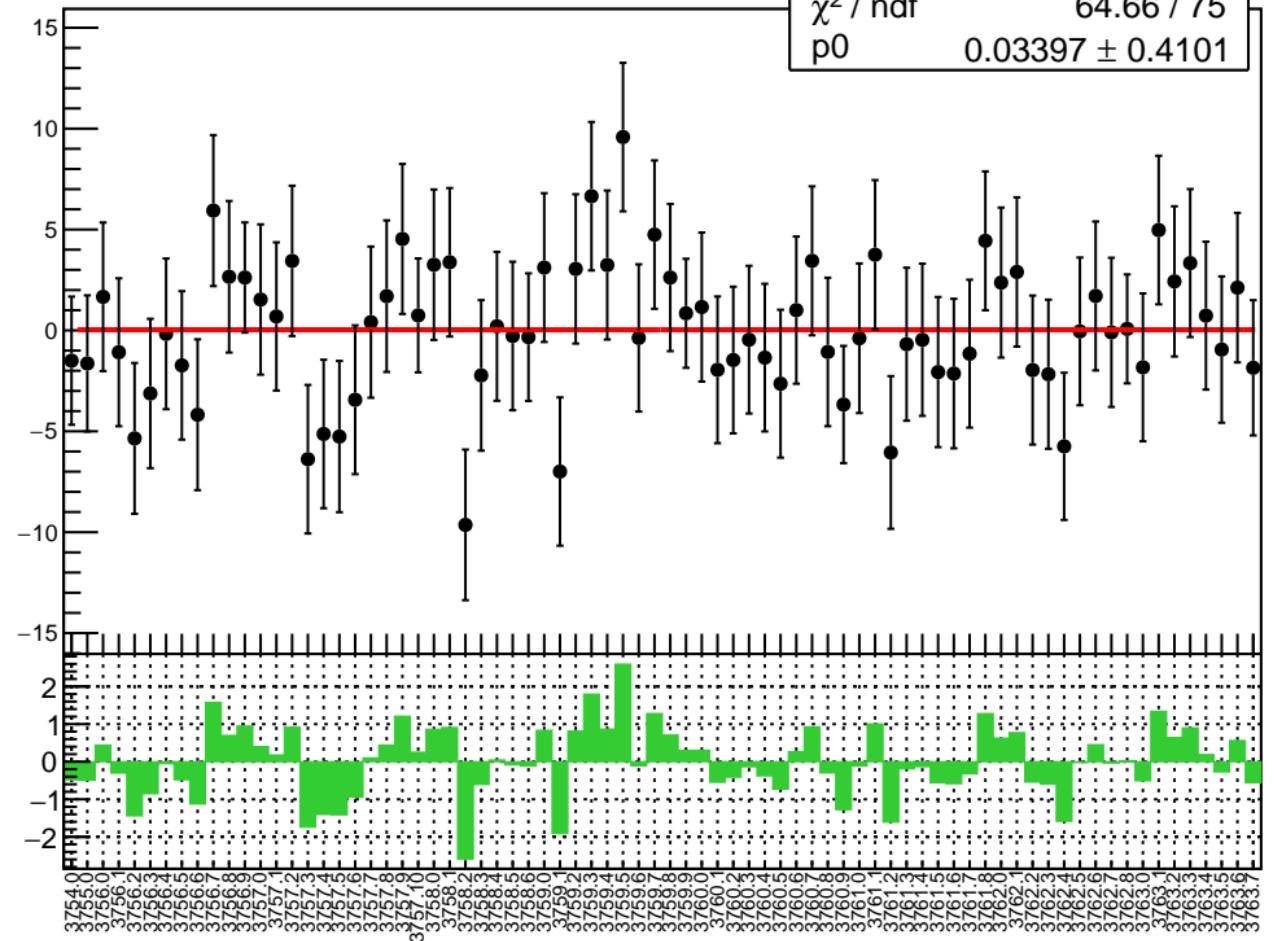
# diff\_evMon9 RMS (um)

RMS (um)

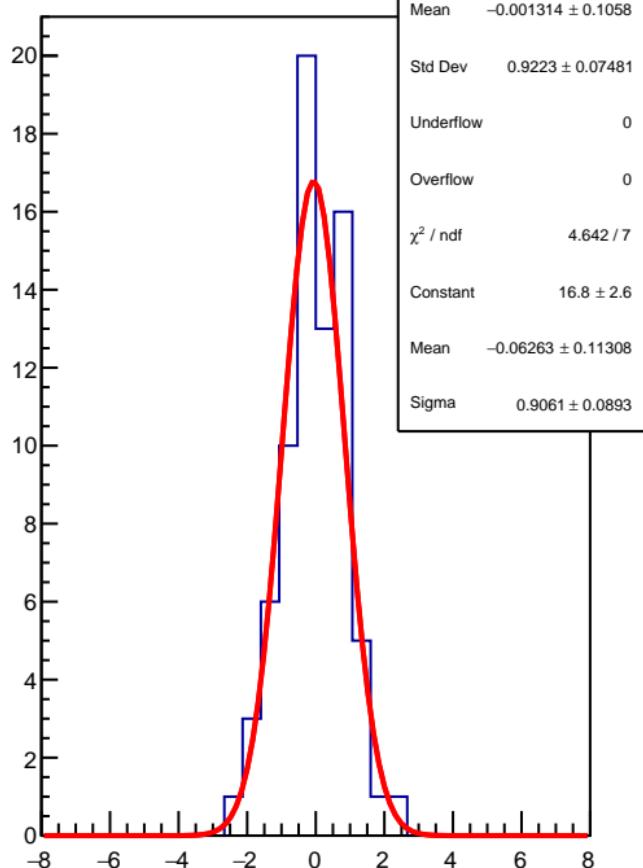


diff\_evMon10 (nm)

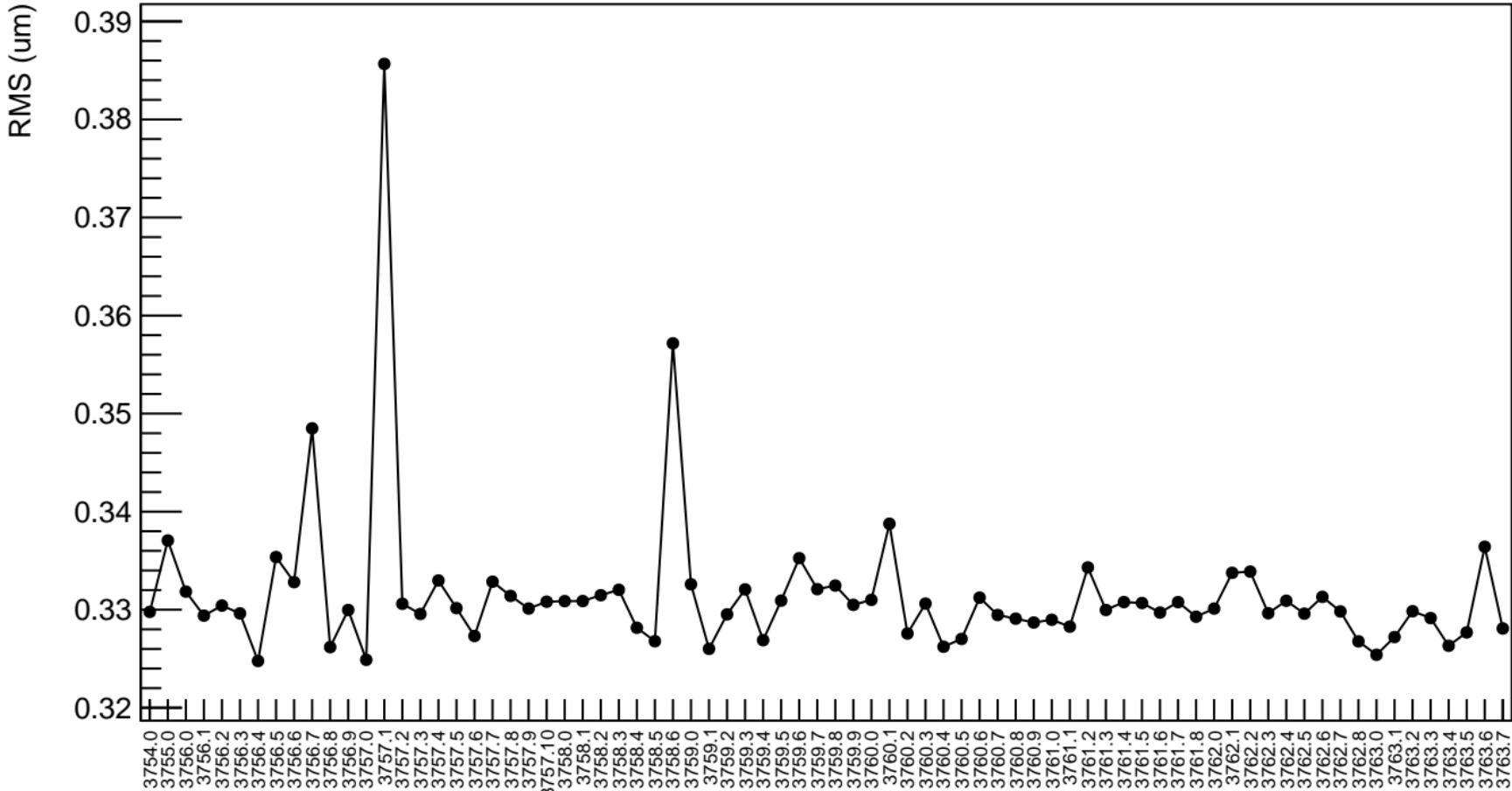
$\chi^2 / \text{ndf}$  64.66 / 75  
 $p_0$   $0.03397 \pm 0.4101$



1D pull distribution

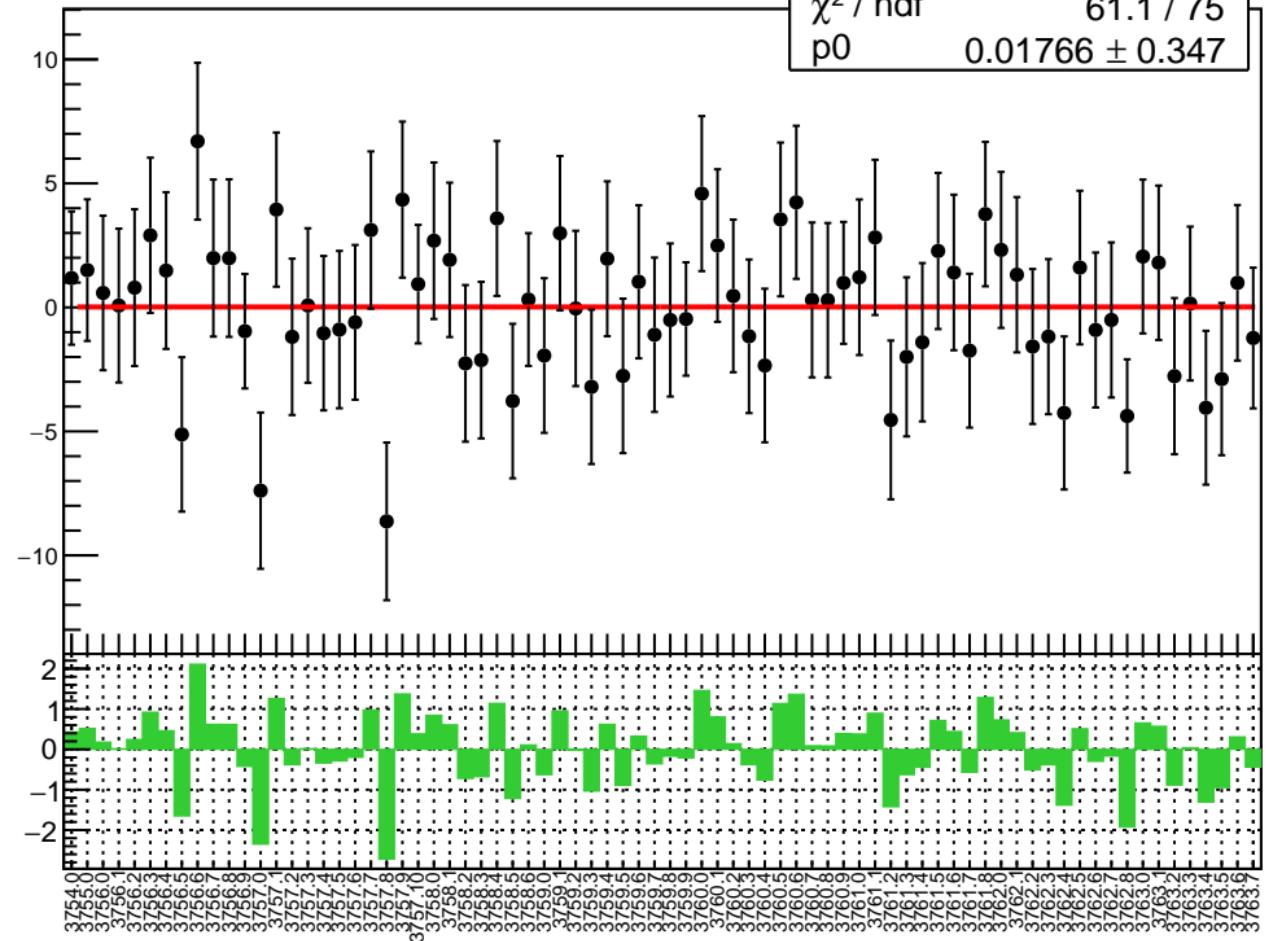


# diff\_evMon10 RMS (um)

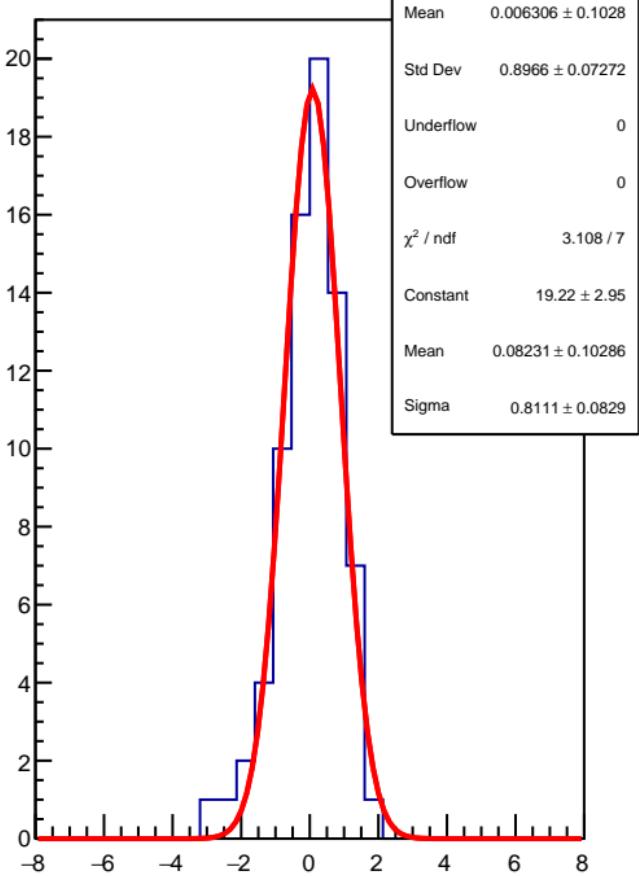


diff\_evMon11 (nm)

$\chi^2 / \text{ndf}$  61.1 / 75  
 $p_0$   $0.01766 \pm 0.347$

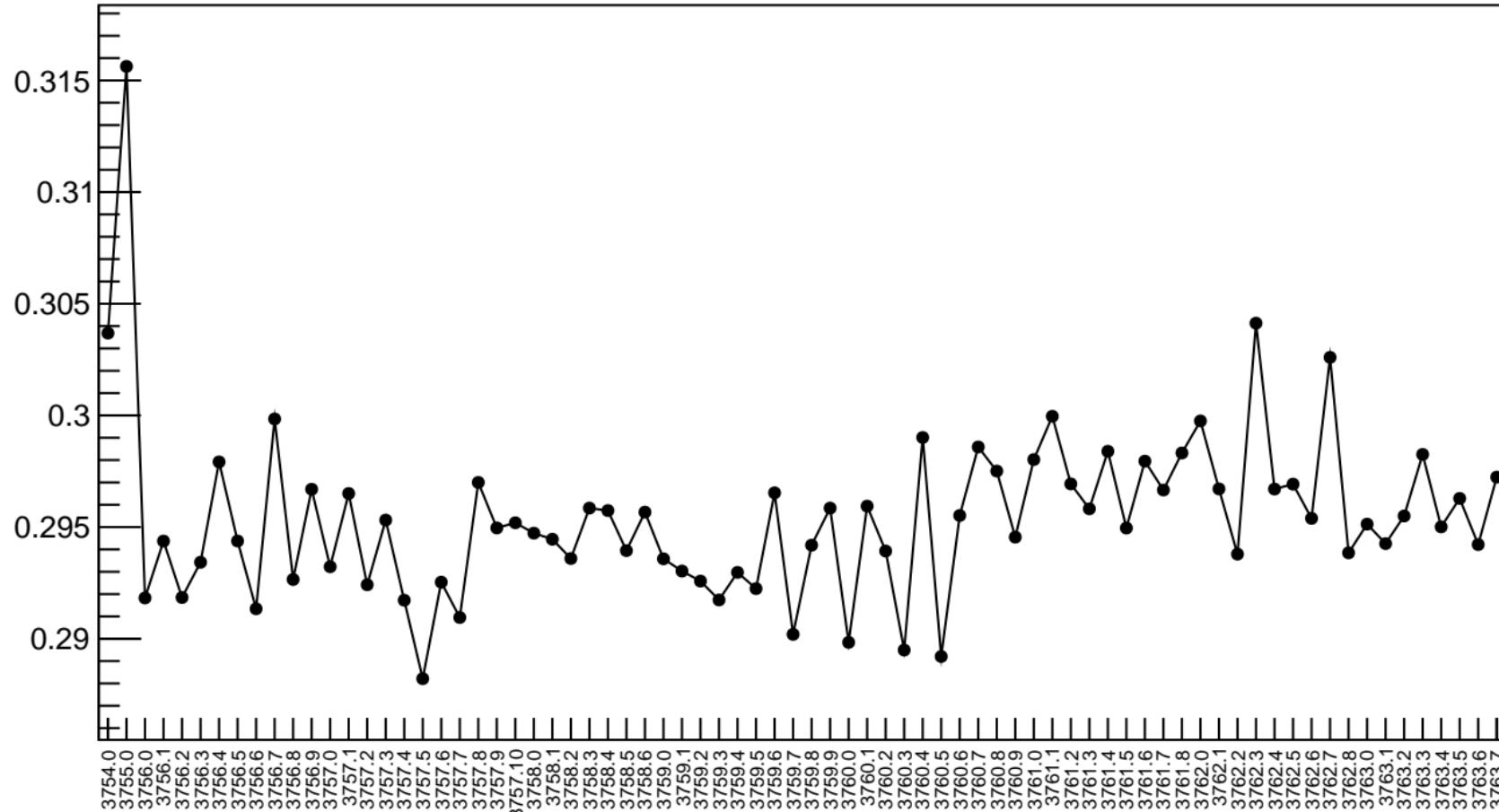


1D pull distribution



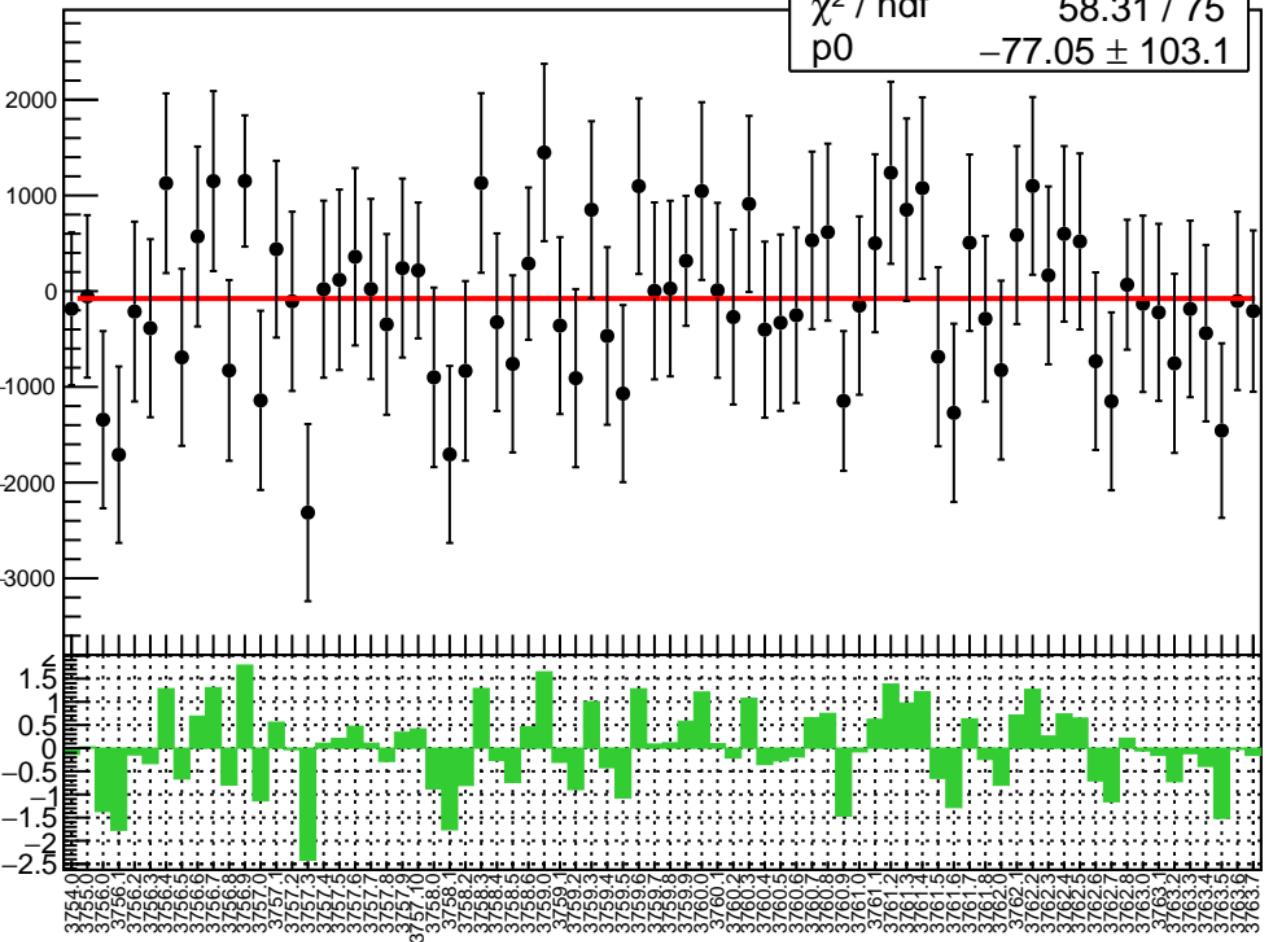
# diff\_evMon11 RMS (um)

RMS (um)

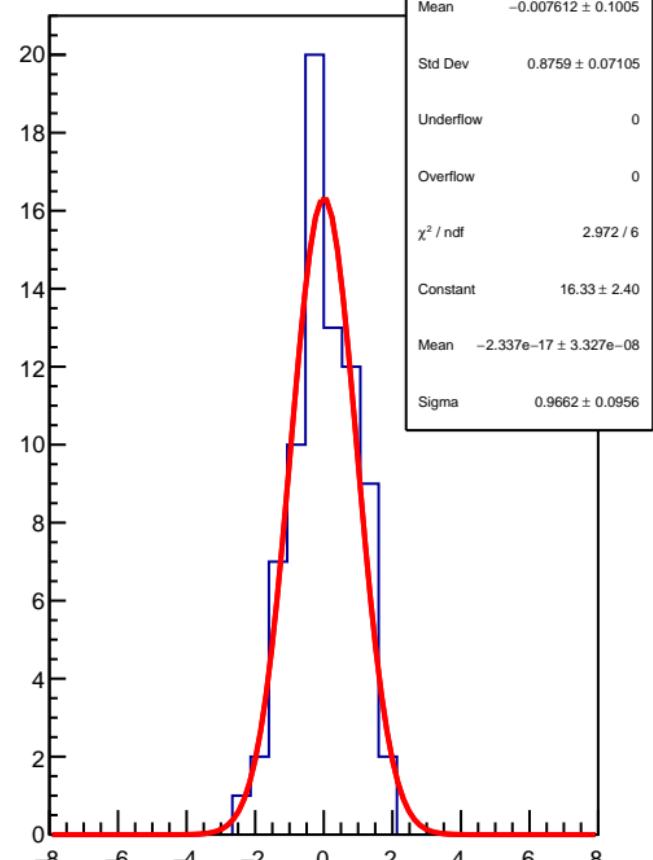


corr\_us\_avg\_evMon0 (ppb)

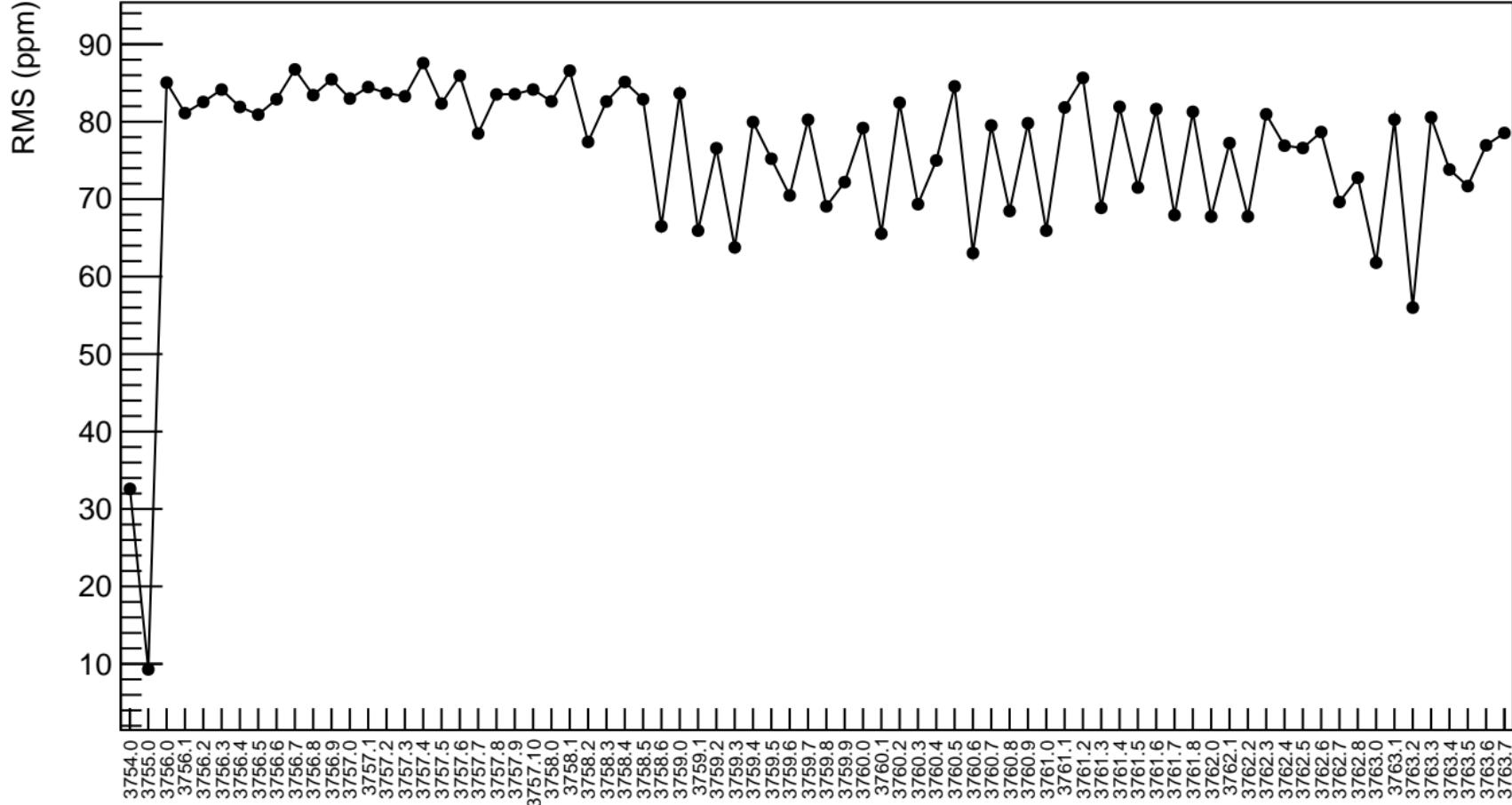
$\chi^2 / \text{ndf}$  58.31 / 75  
 $p_0$   $-77.05 \pm 103.1$



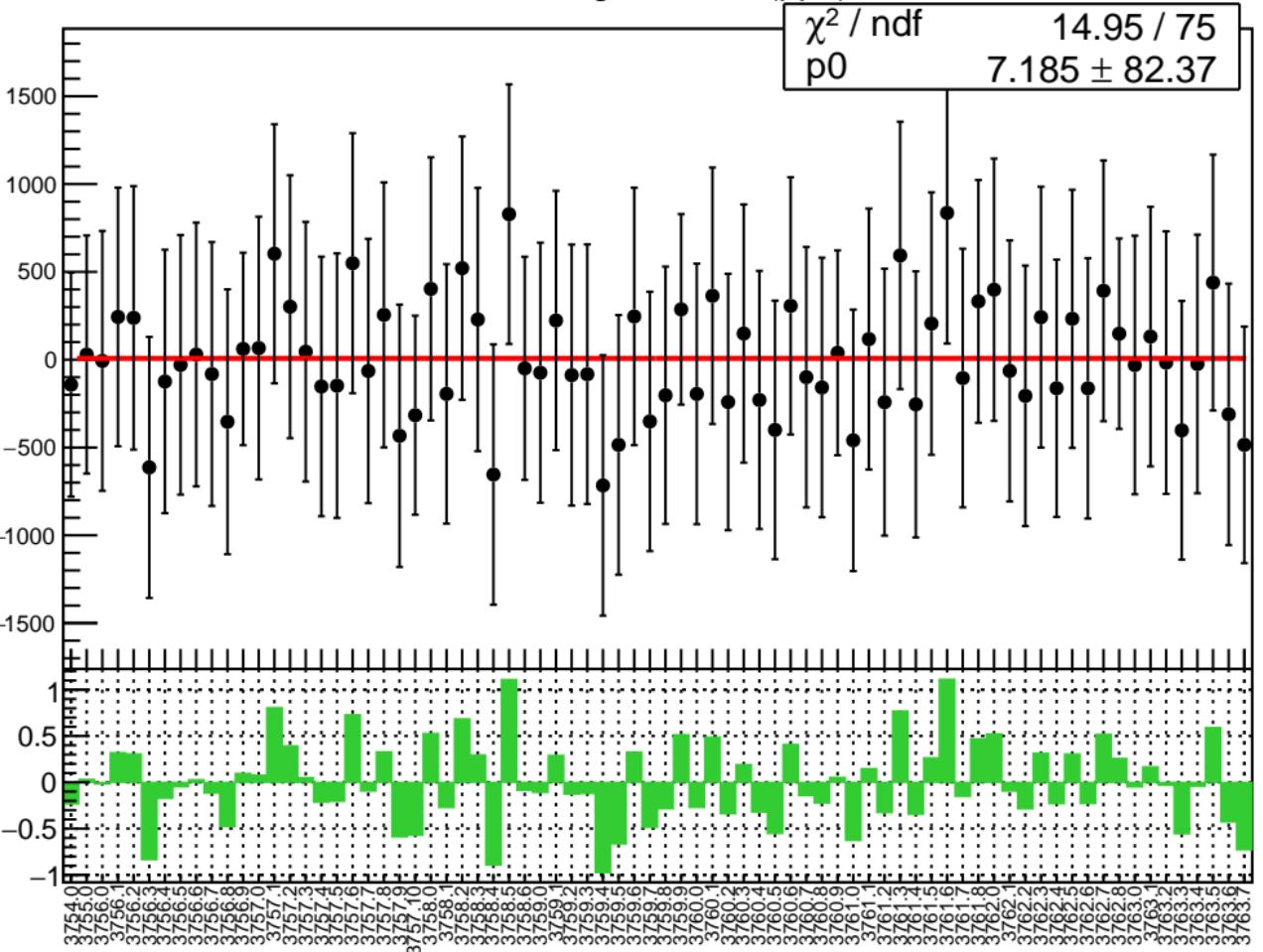
1D pull distribution



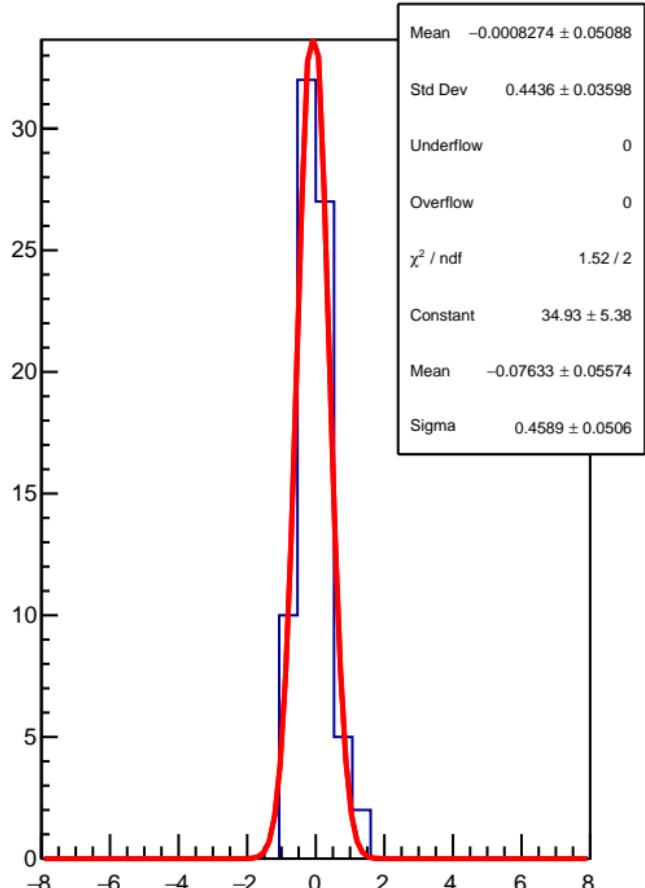
# corr\_us\_avg\_evMon0 RMS (ppm)



corr\_us\_avg\_evMon1 (ppb)

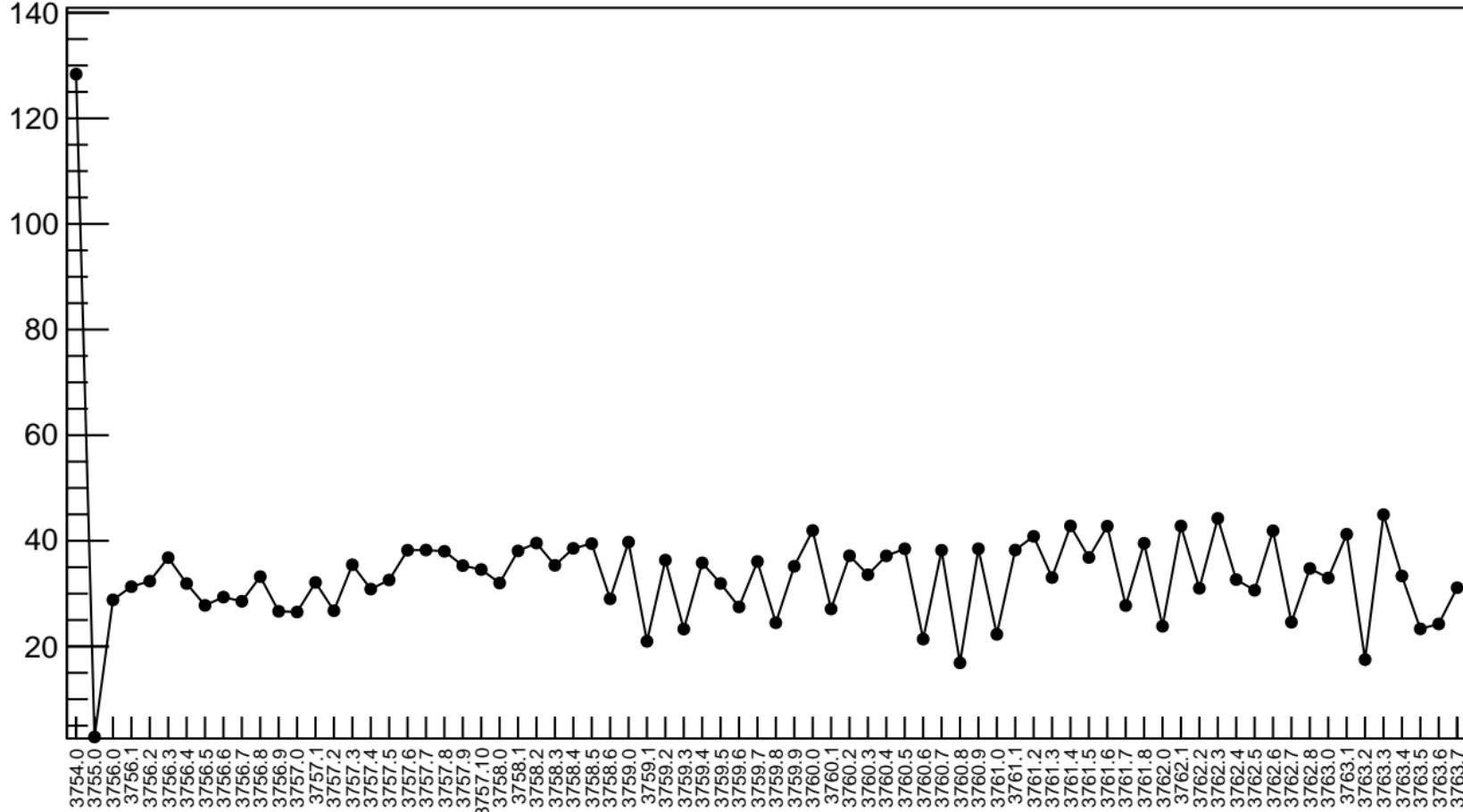


1D pull distribution



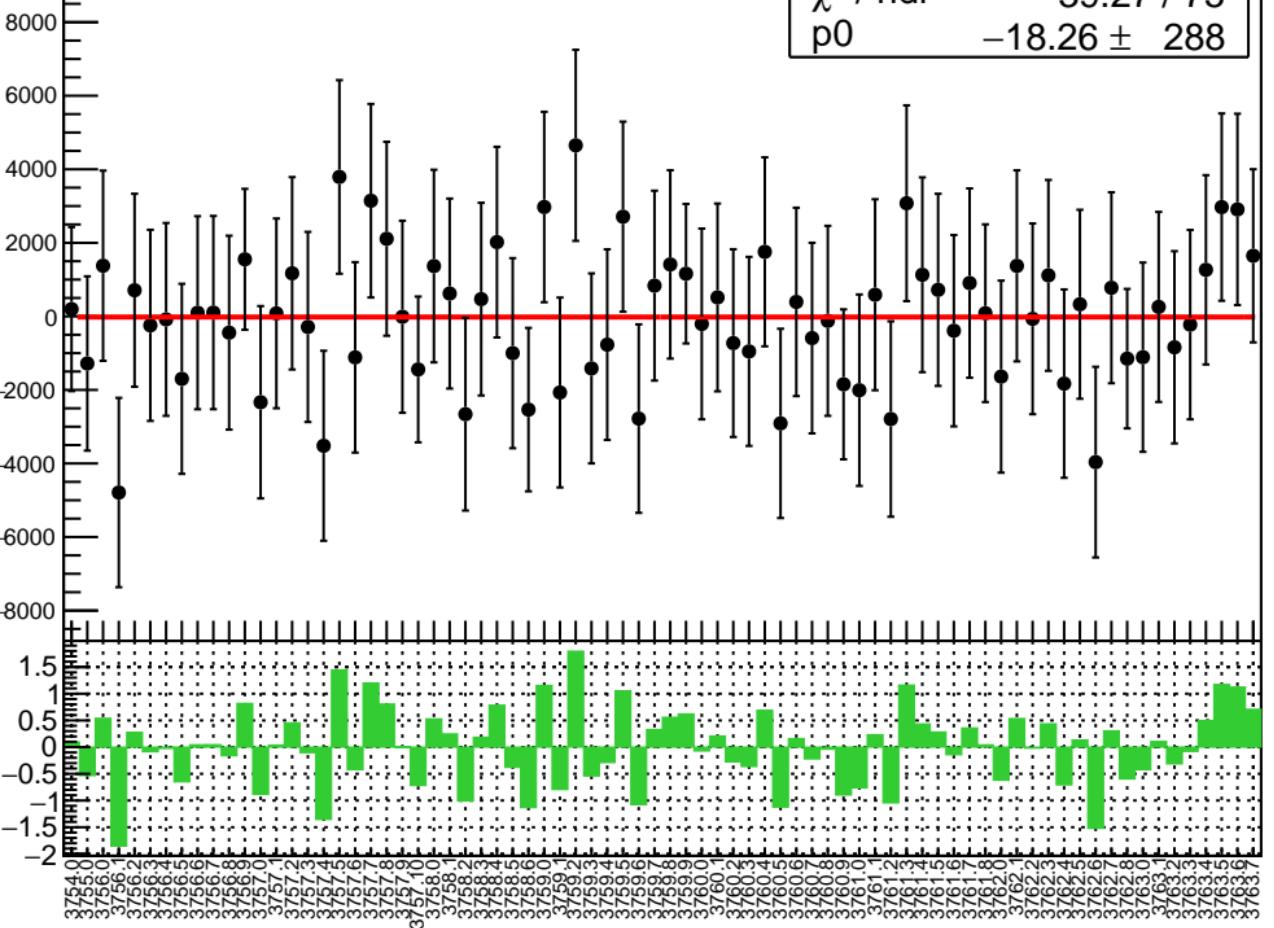
# corr\_us\_avg\_evMon1 RMS (ppm)

RMS (ppm)



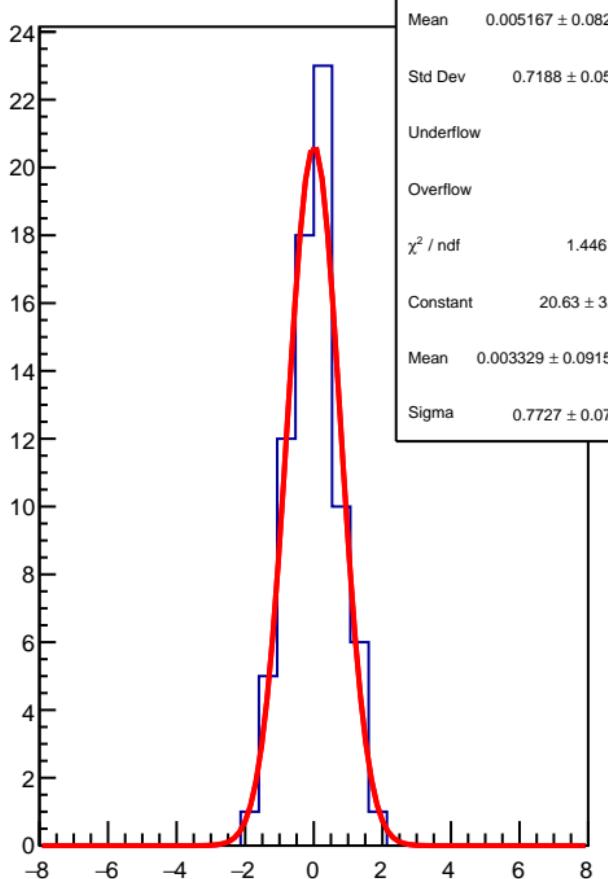
corr\_us\_avg\_evMon2 (ppb)

$\chi^2 / \text{ndf}$  39.27 / 75  
p0  $-18.26 \pm 288$



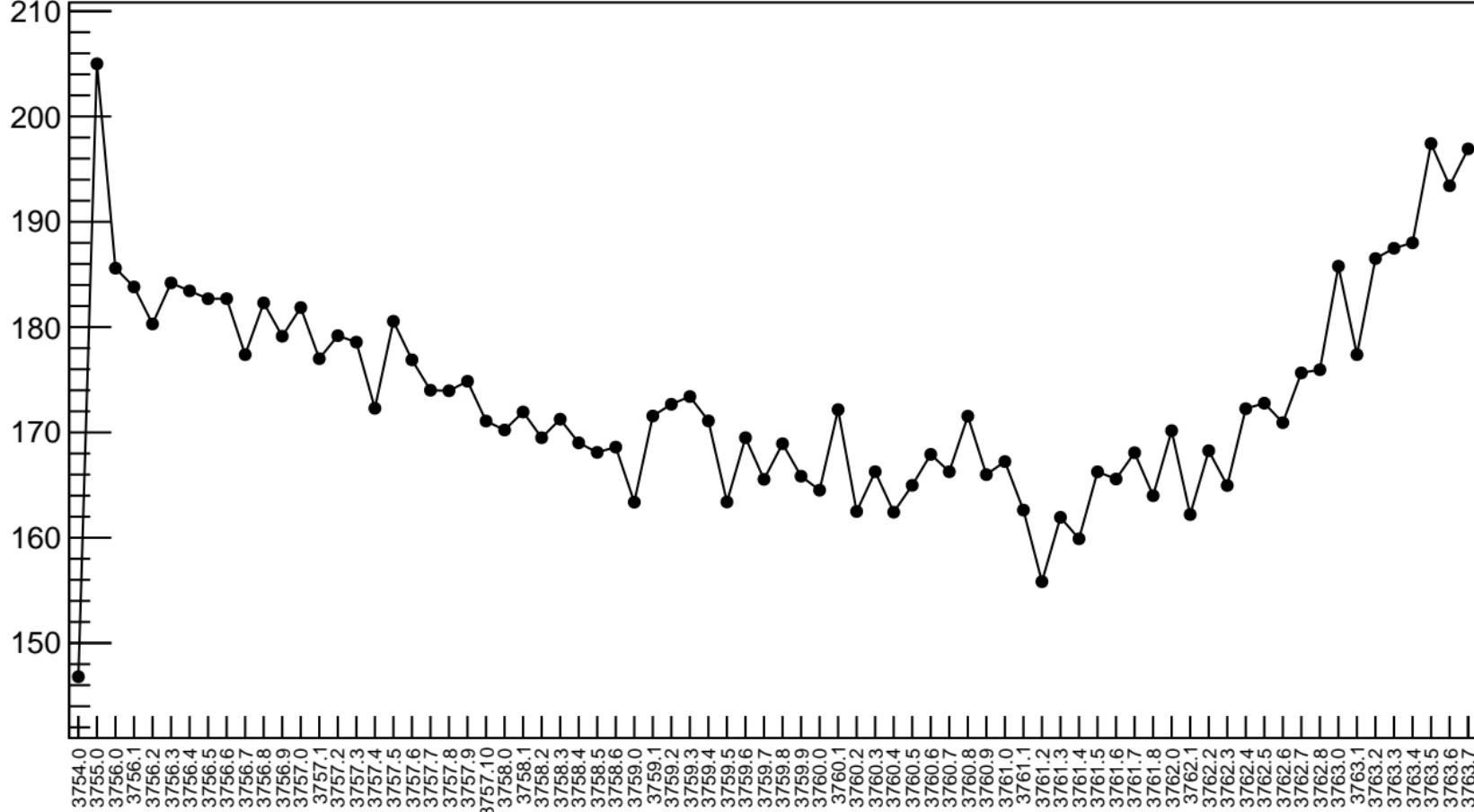
1D pull distribution

Mean  $0.005167 \pm 0.08245$   
Std Dev  $0.7188 \pm 0.0583$   
Underflow 0  
Overflow 0  
 $\chi^2 / \text{ndf}$  1.446 / 5  
Constant  $20.63 \pm 3.00$   
Mean  $0.003329 \pm 0.091546$   
Sigma  $0.7727 \pm 0.0712$

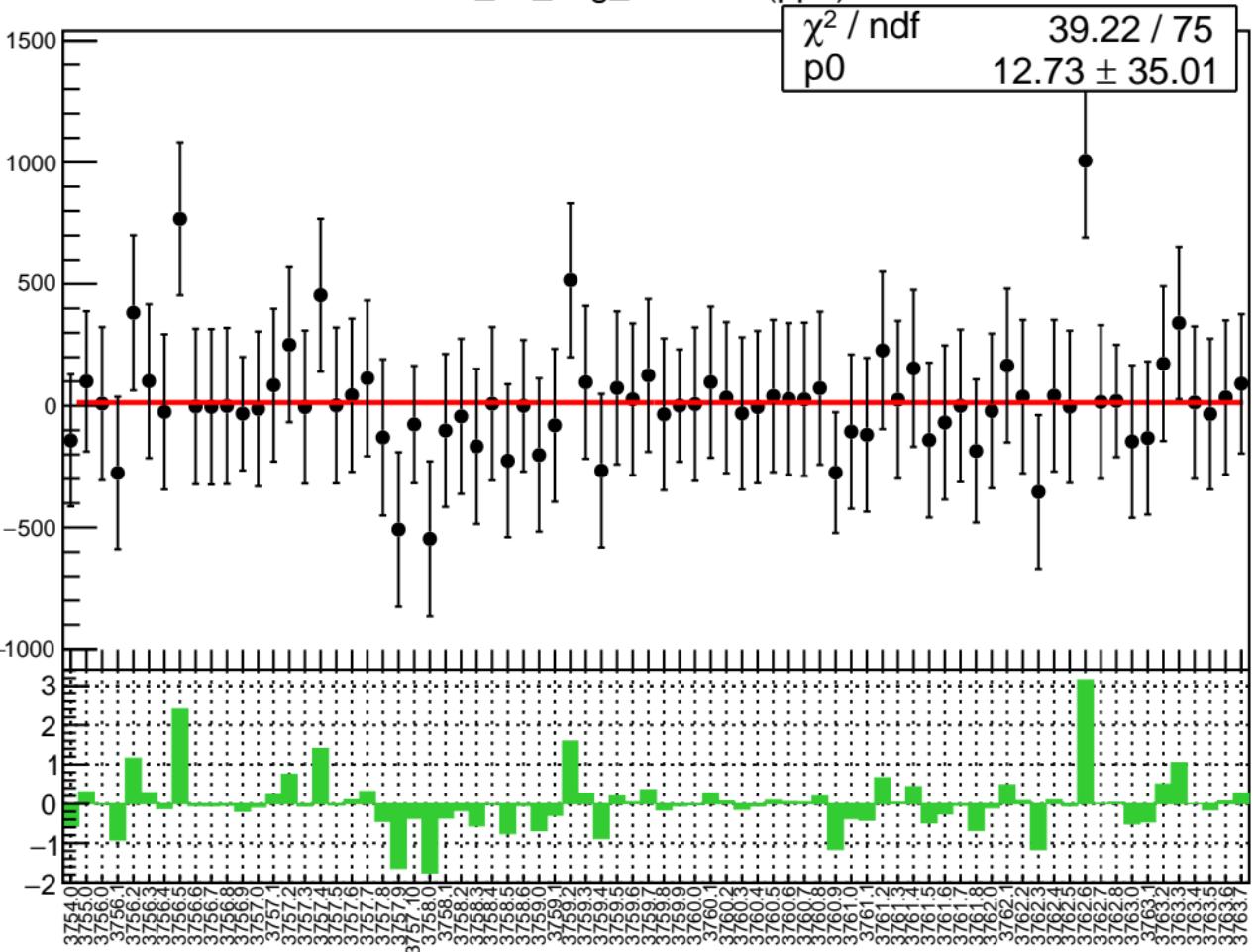


# corr\_us\_avg\_evMon2 RMS (ppm)

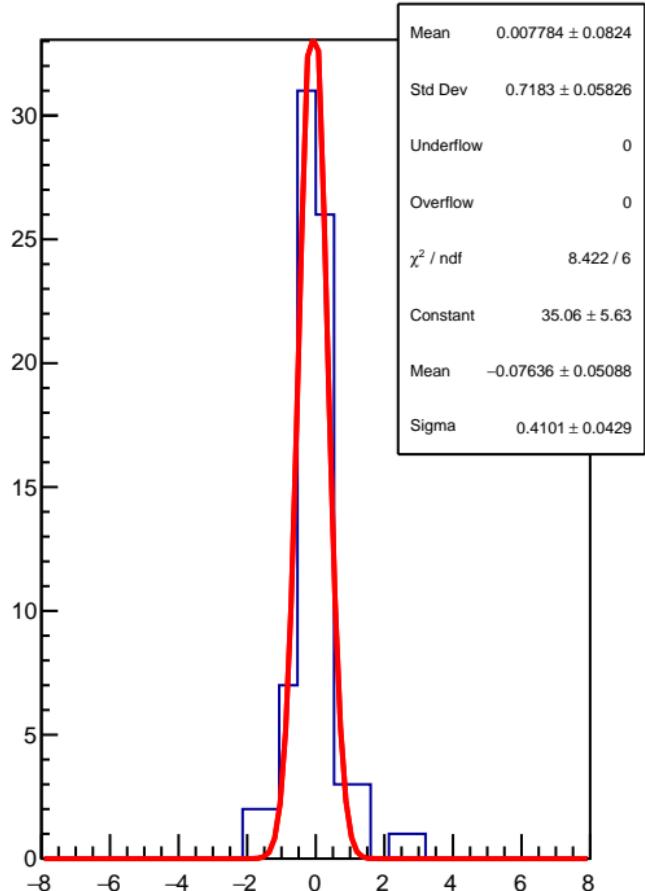
RMS (ppm)



corr\_us\_avg\_evMon3 (ppb)

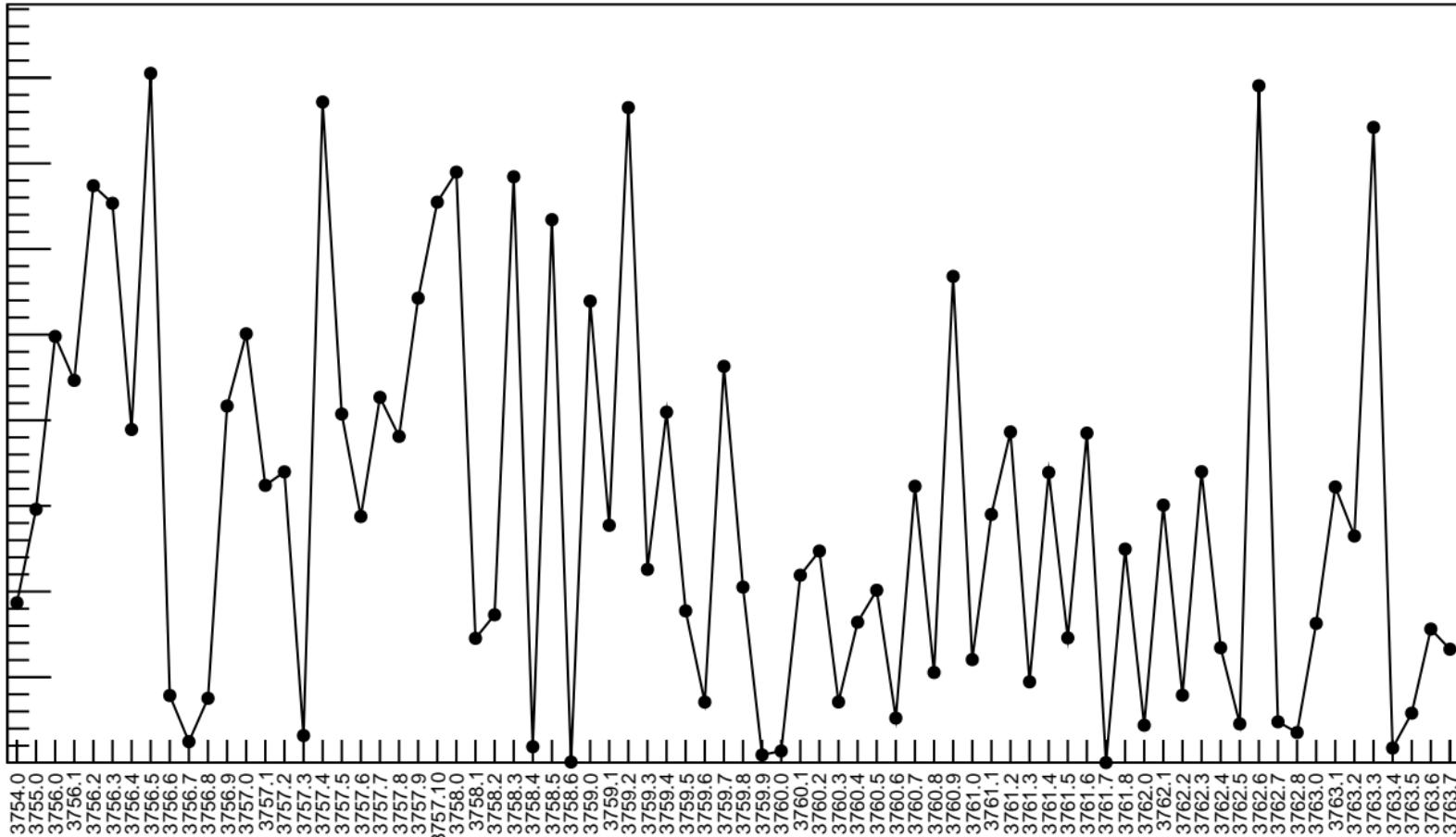


1D pull distribution

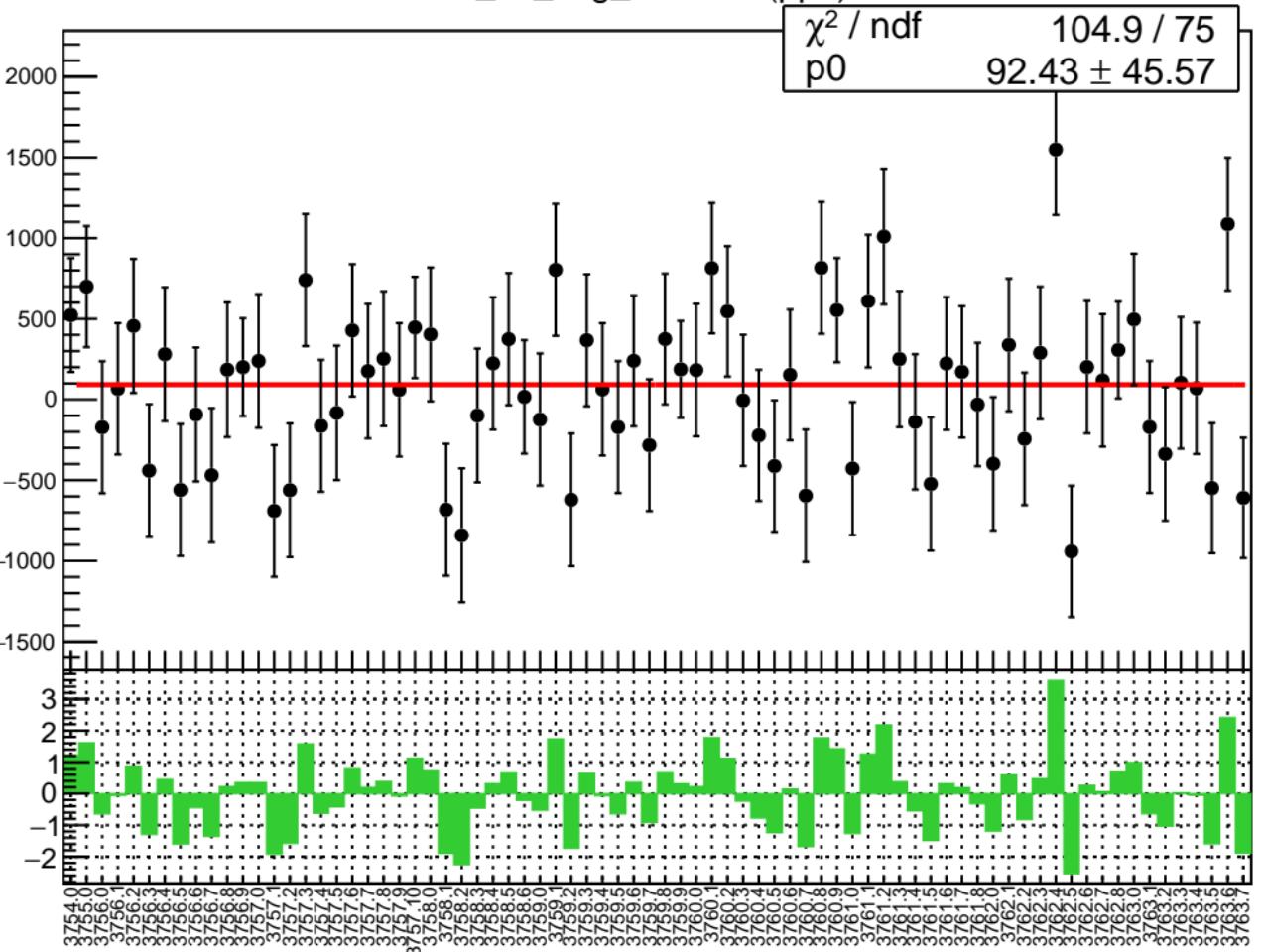


# corr\_us\_avg\_evMon3 RMS (ppm)

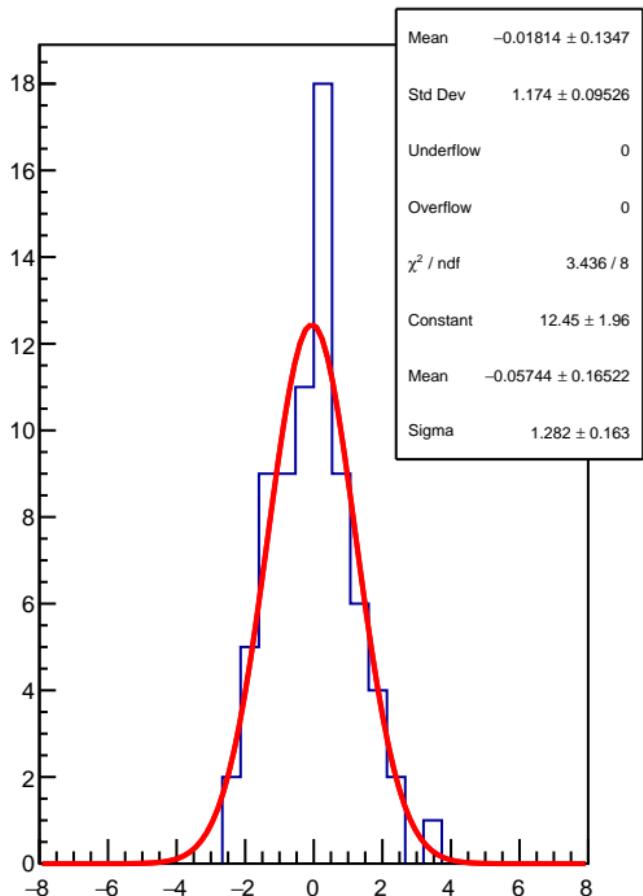
RMS (ppm)



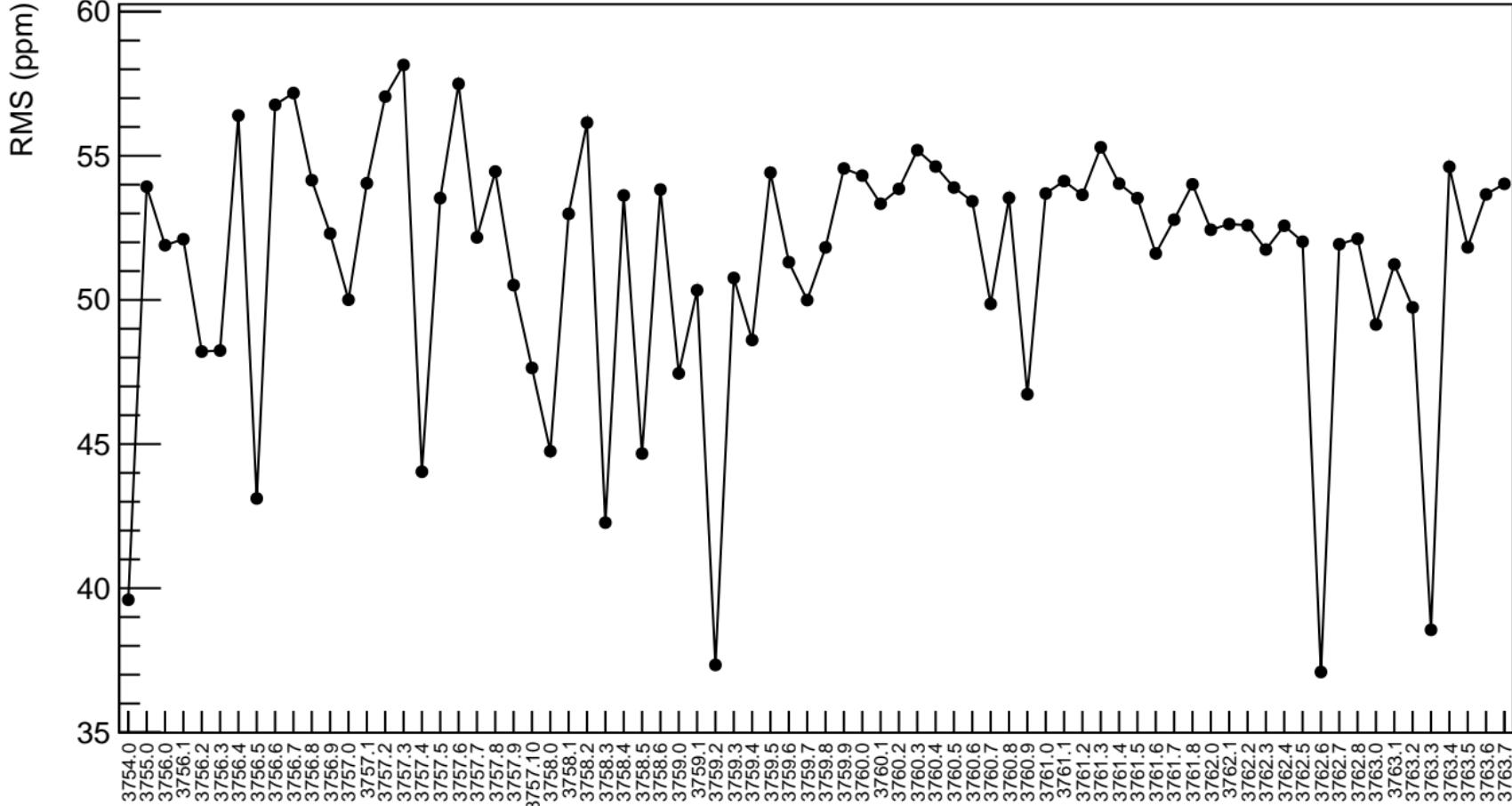
corr\_us\_avg\_evMon4 (ppb)



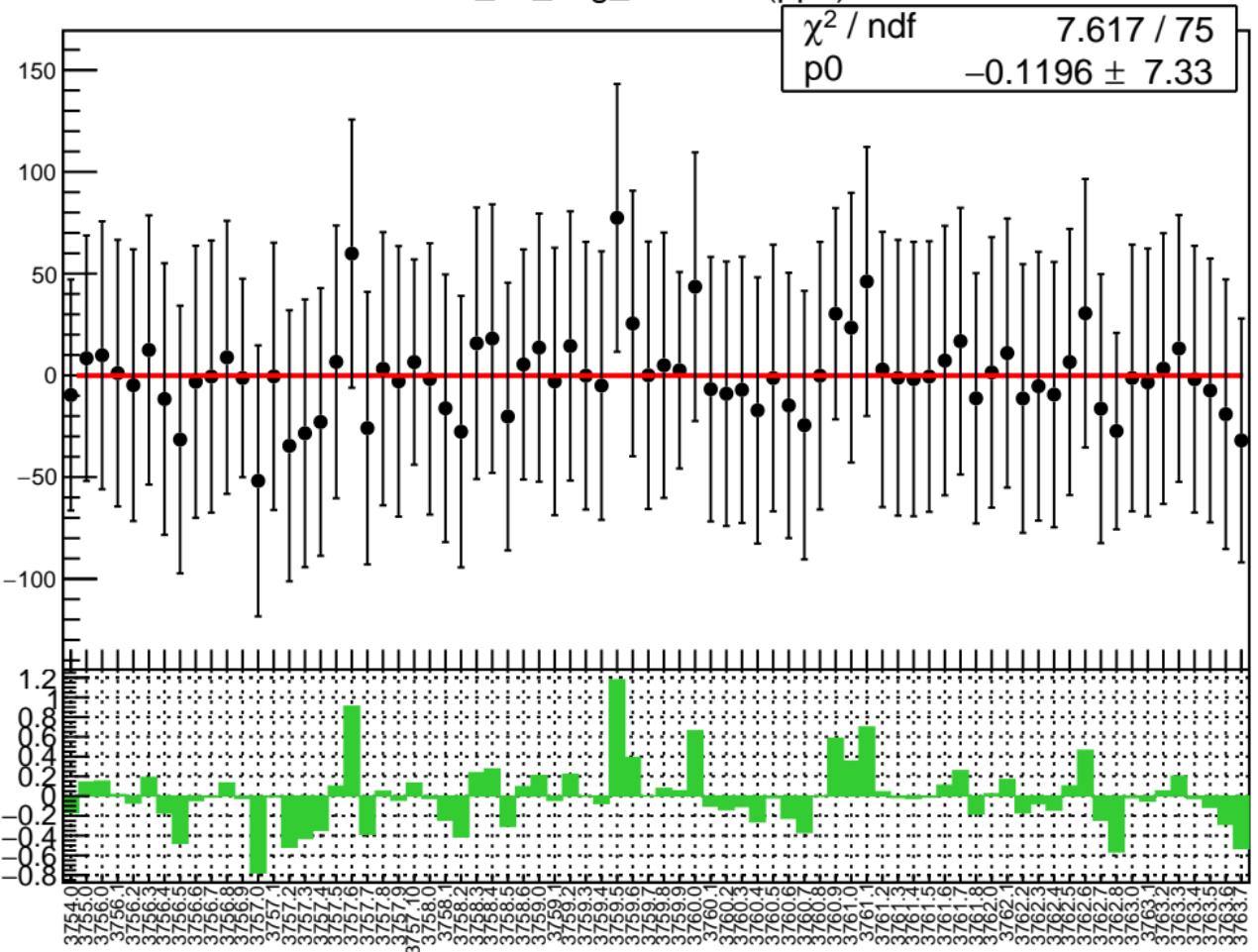
1D pull distribution



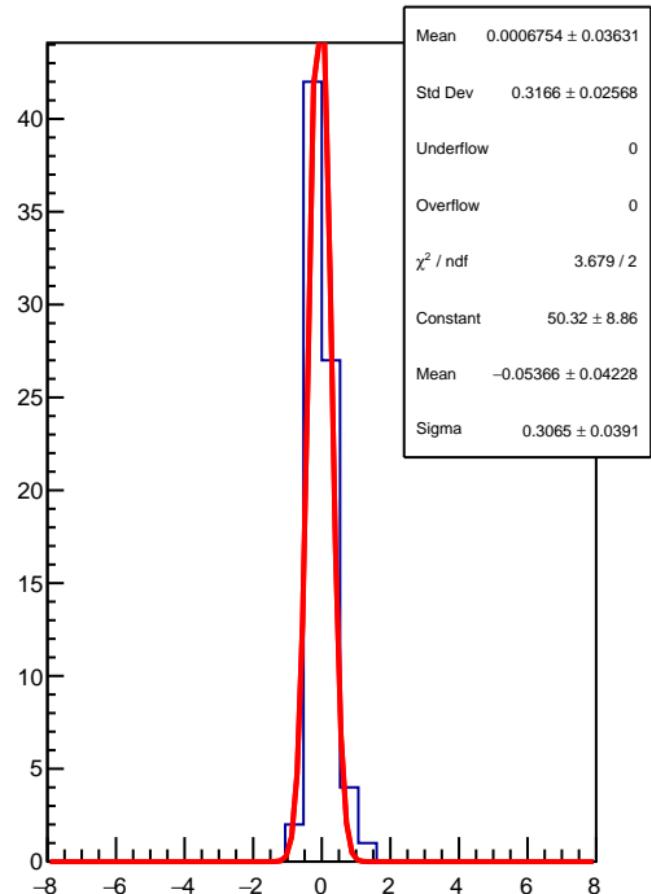
# corr\_us\_avg\_evMon4 RMS (ppm)



corr\_us\_avg\_evMon5 (ppb)

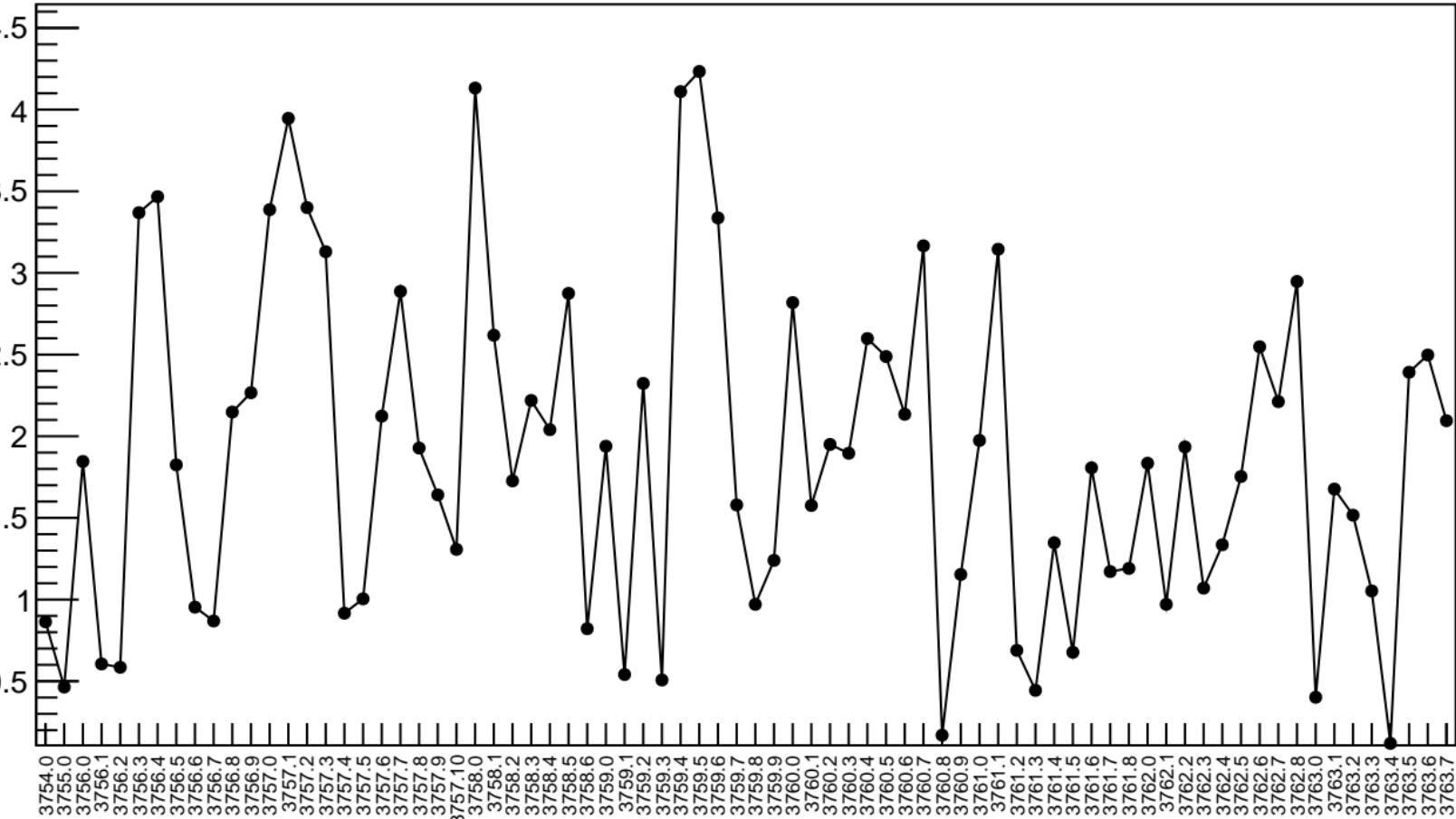


1D pull distribution



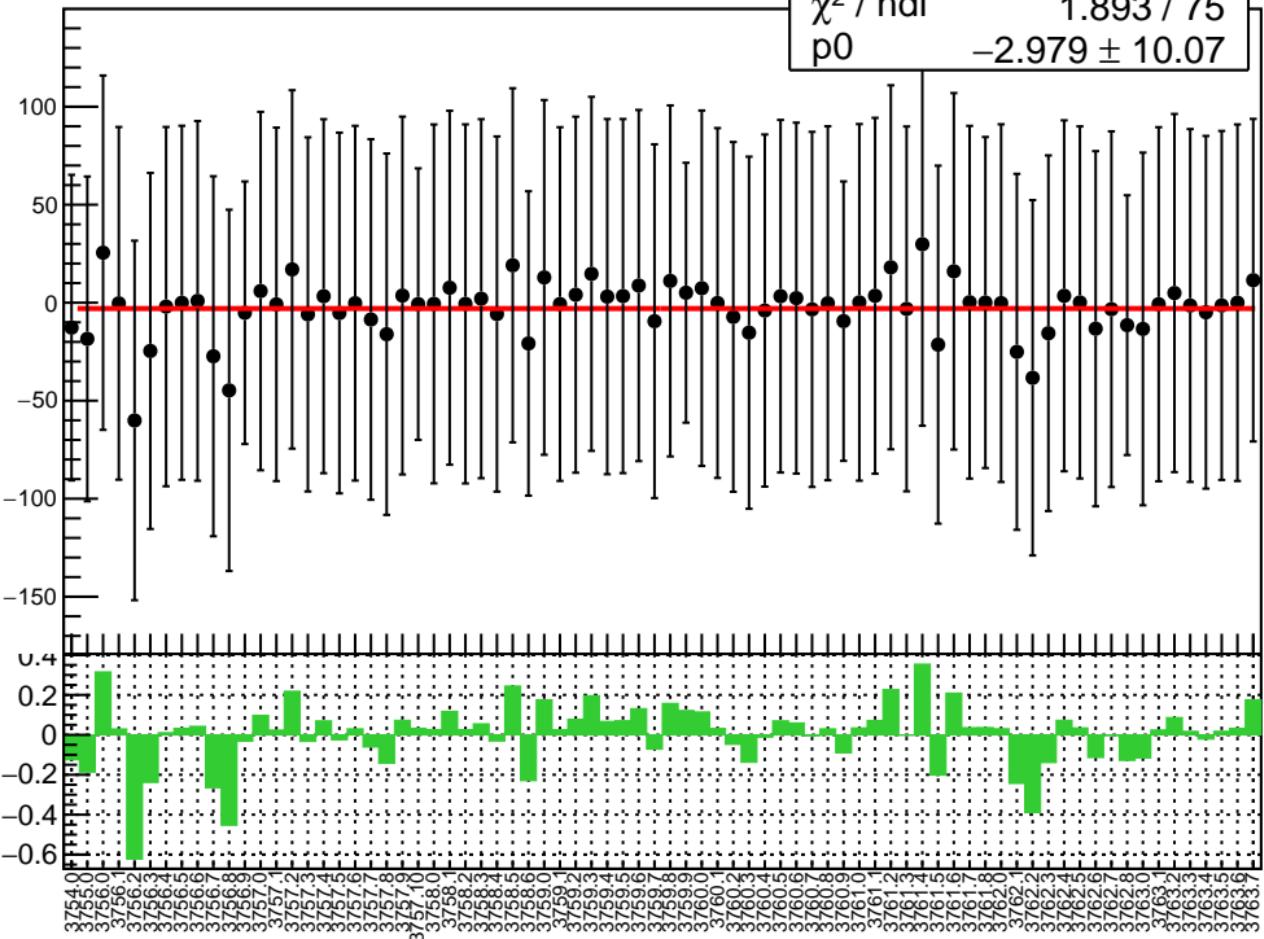
# corr\_us\_avg\_evMon5 RMS (ppm)

RMS (ppm)

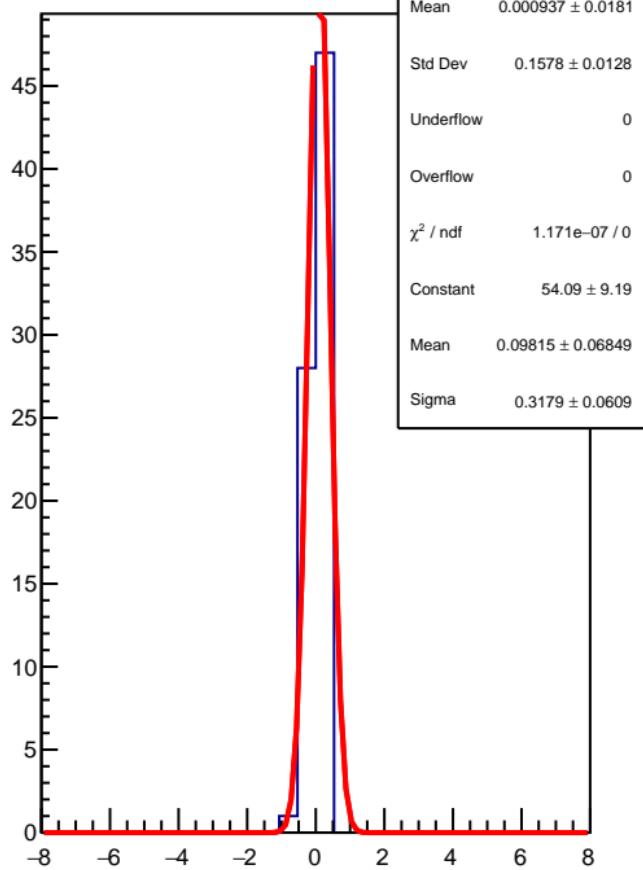


corr\_us\_avg\_evMon6 (ppb)

$\chi^2 / \text{ndf}$  1.893 / 75  
 $p_0$   $-2.979 \pm 10.07$

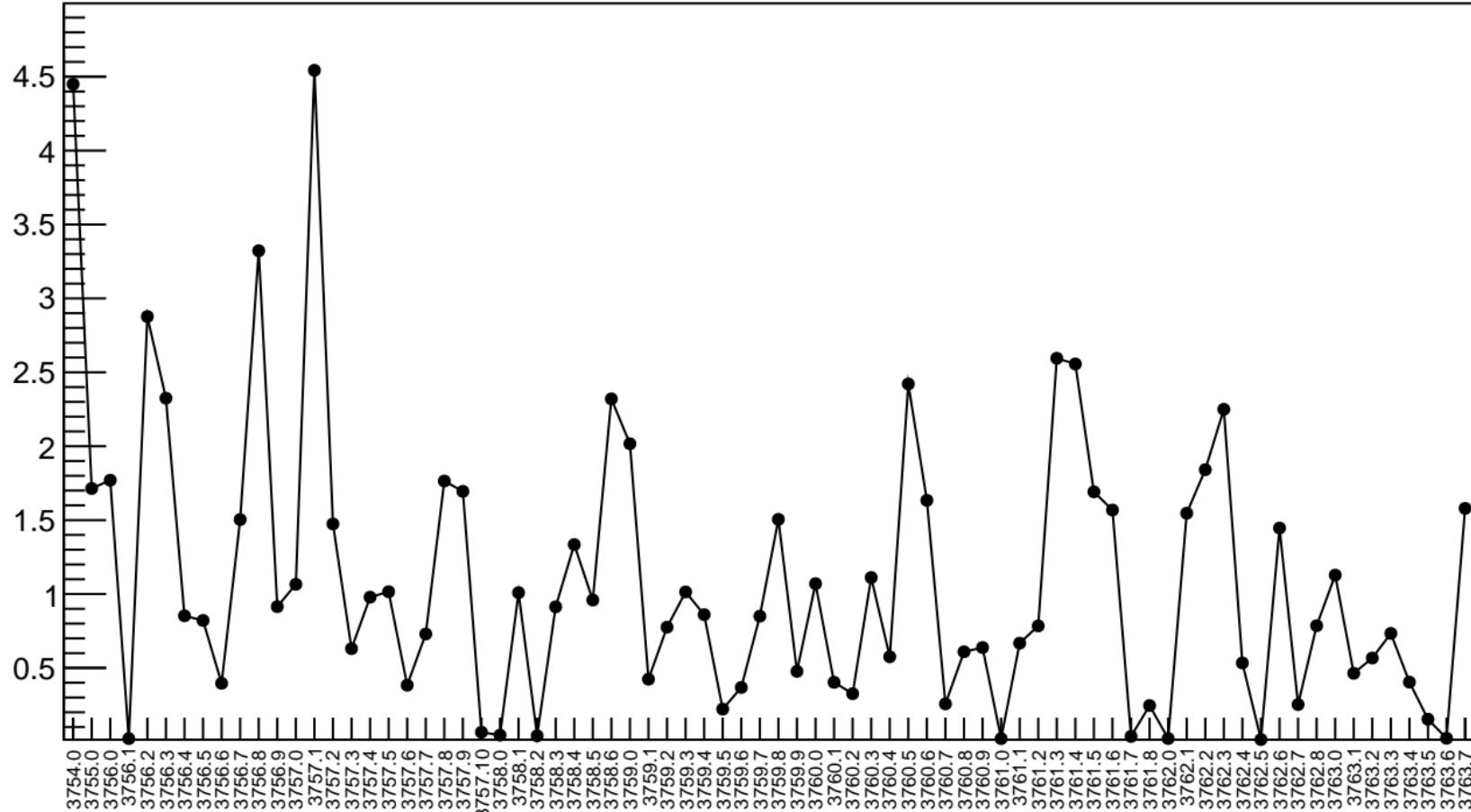


1D pull distribution



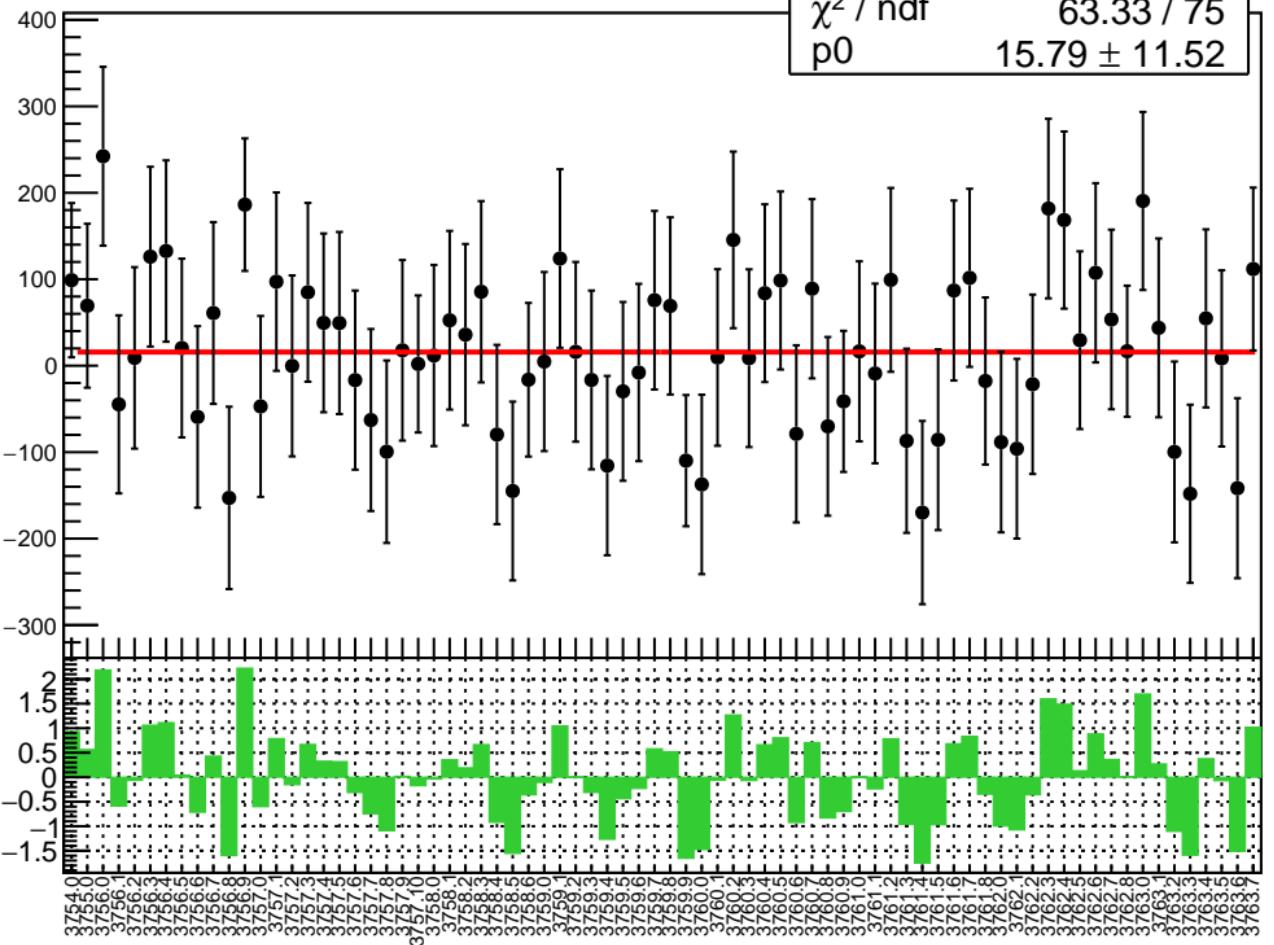
# corr\_us\_avg\_evMon6 RMS (ppm)

RMS (ppm)

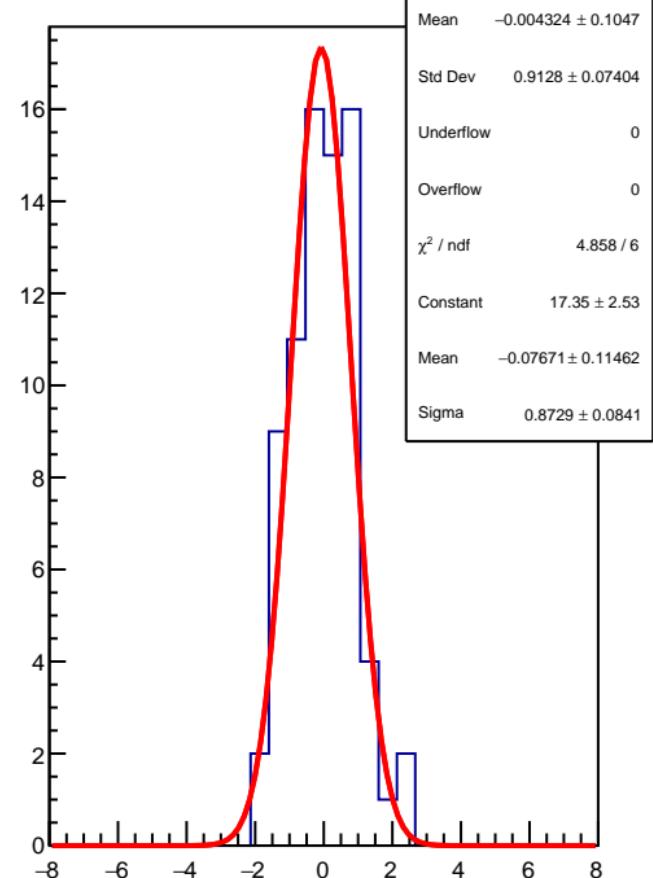


corr\_us\_avg\_evMon7 (ppb)

$\chi^2 / \text{ndf}$  63.33 / 75  
p0  $15.79 \pm 11.52$

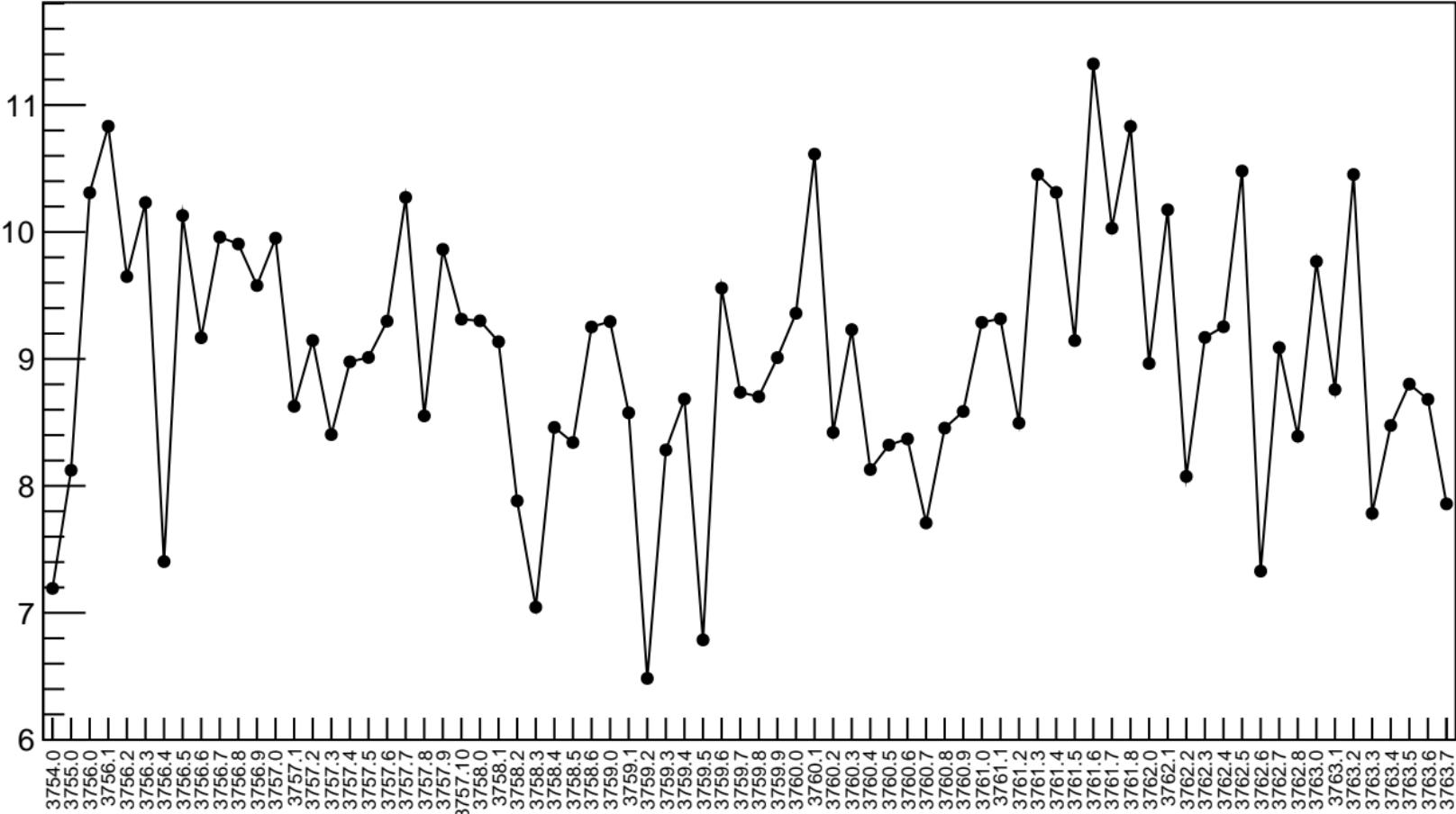


1D pull distribution



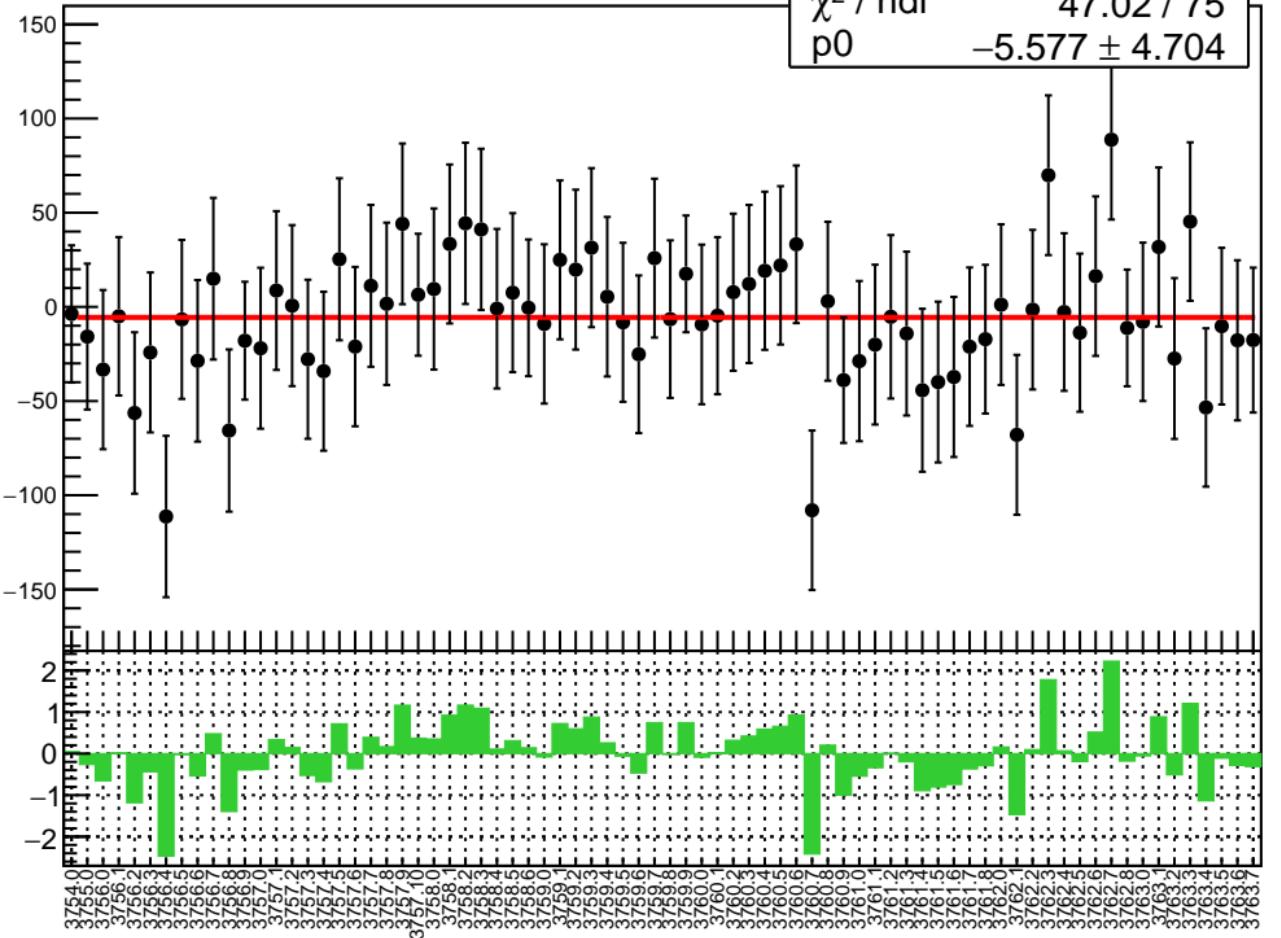
# corr\_us\_avg\_evMon7 RMS (ppm)

RMS (ppm)

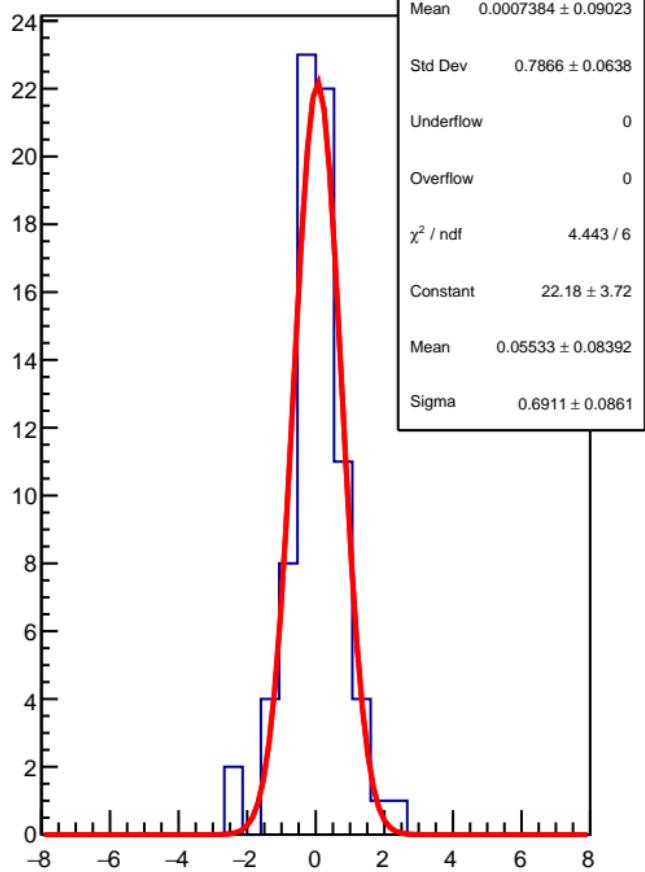


corr\_us\_avg\_evMon8 (ppb)

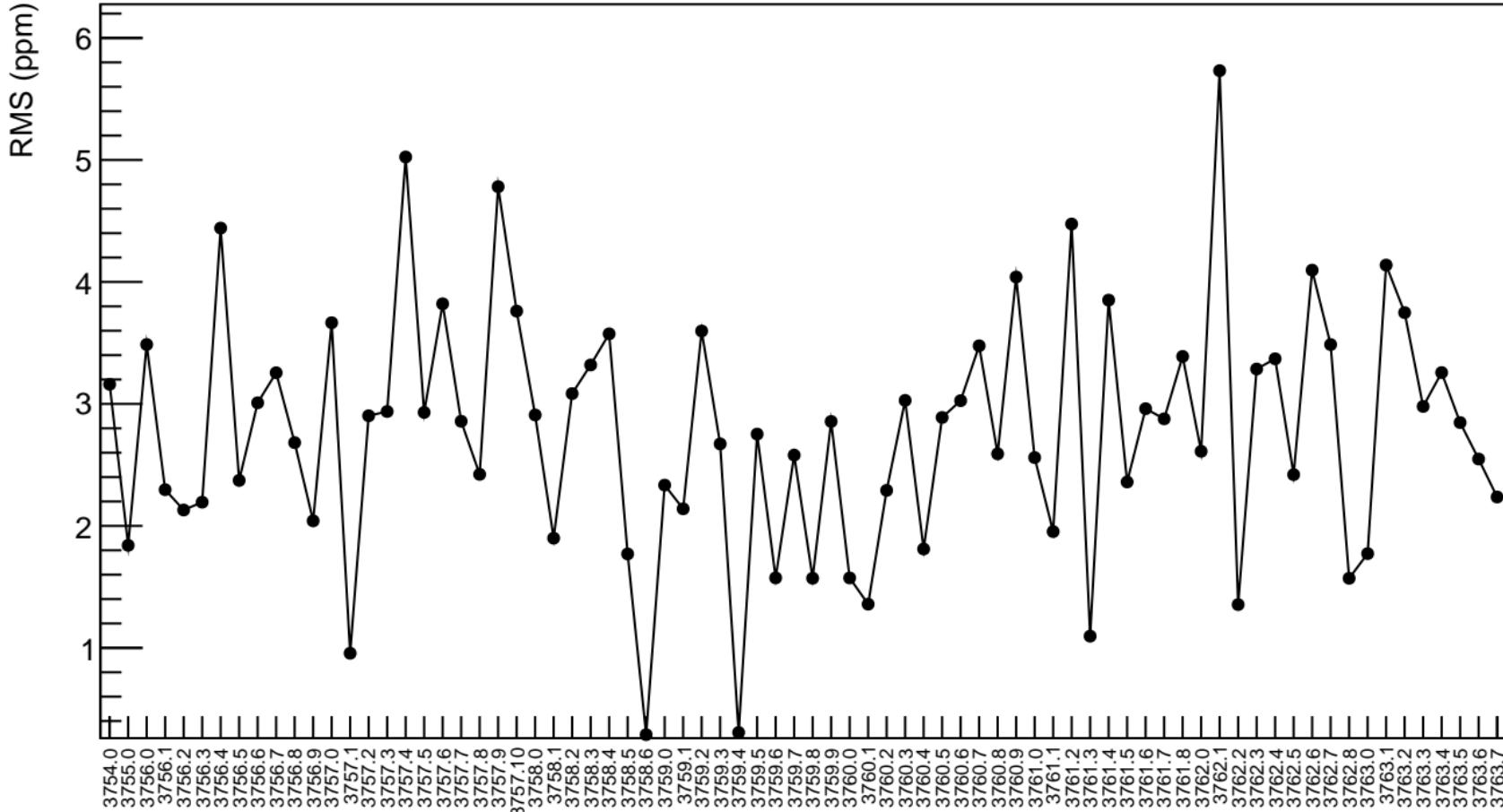
$\chi^2 / \text{ndf}$  47.02 / 75  
p0  $-5.577 \pm 4.704$



1D pull distribution

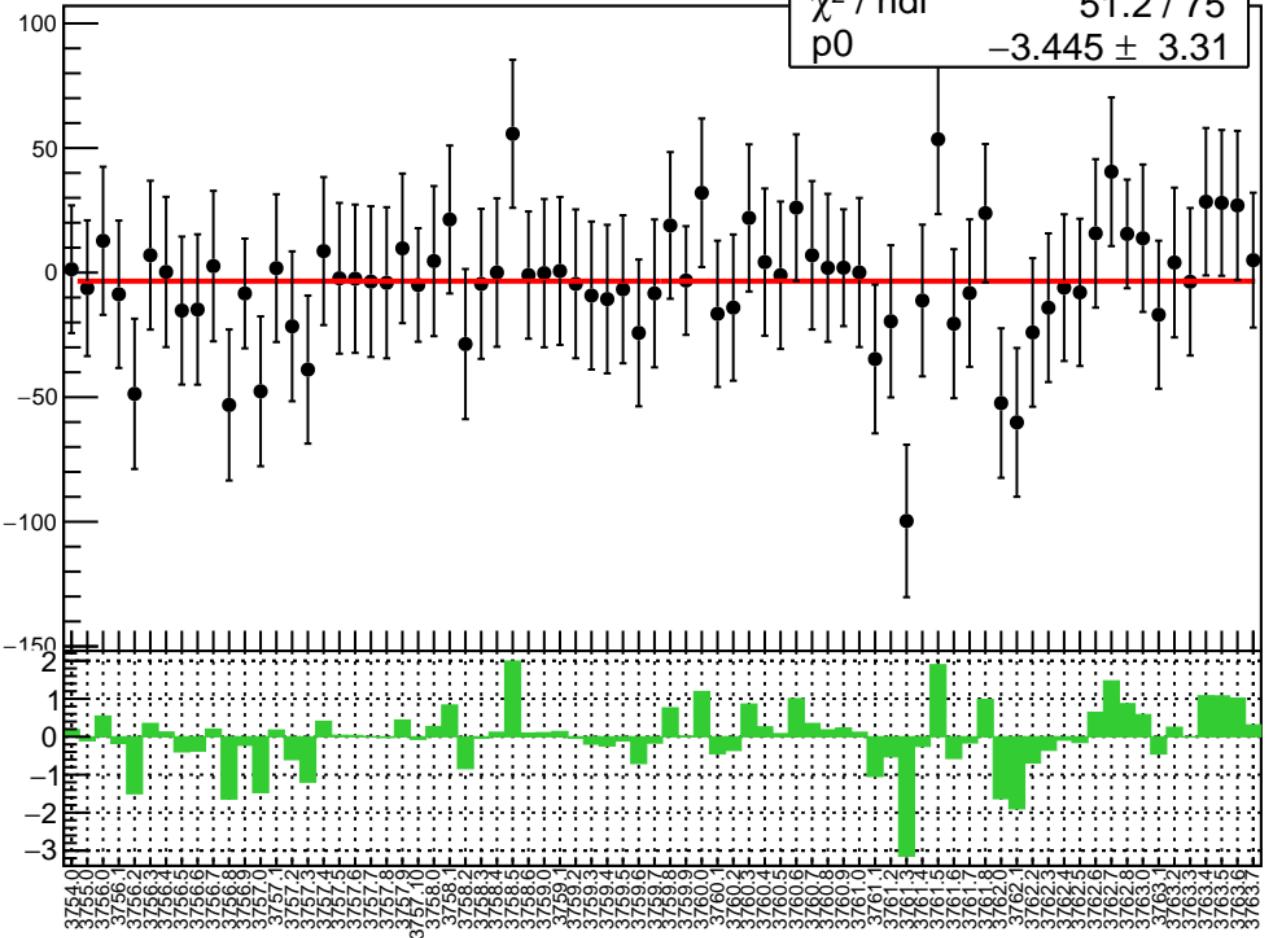


# corr\_us\_avg\_evMon8 RMS (ppm)

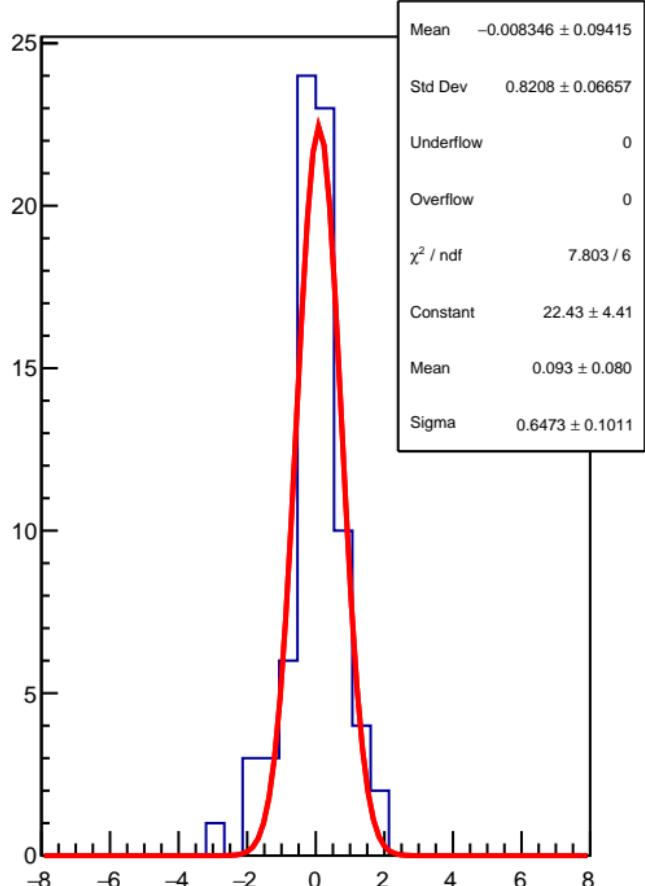


corr\_us\_avg\_evMon9 (ppb)

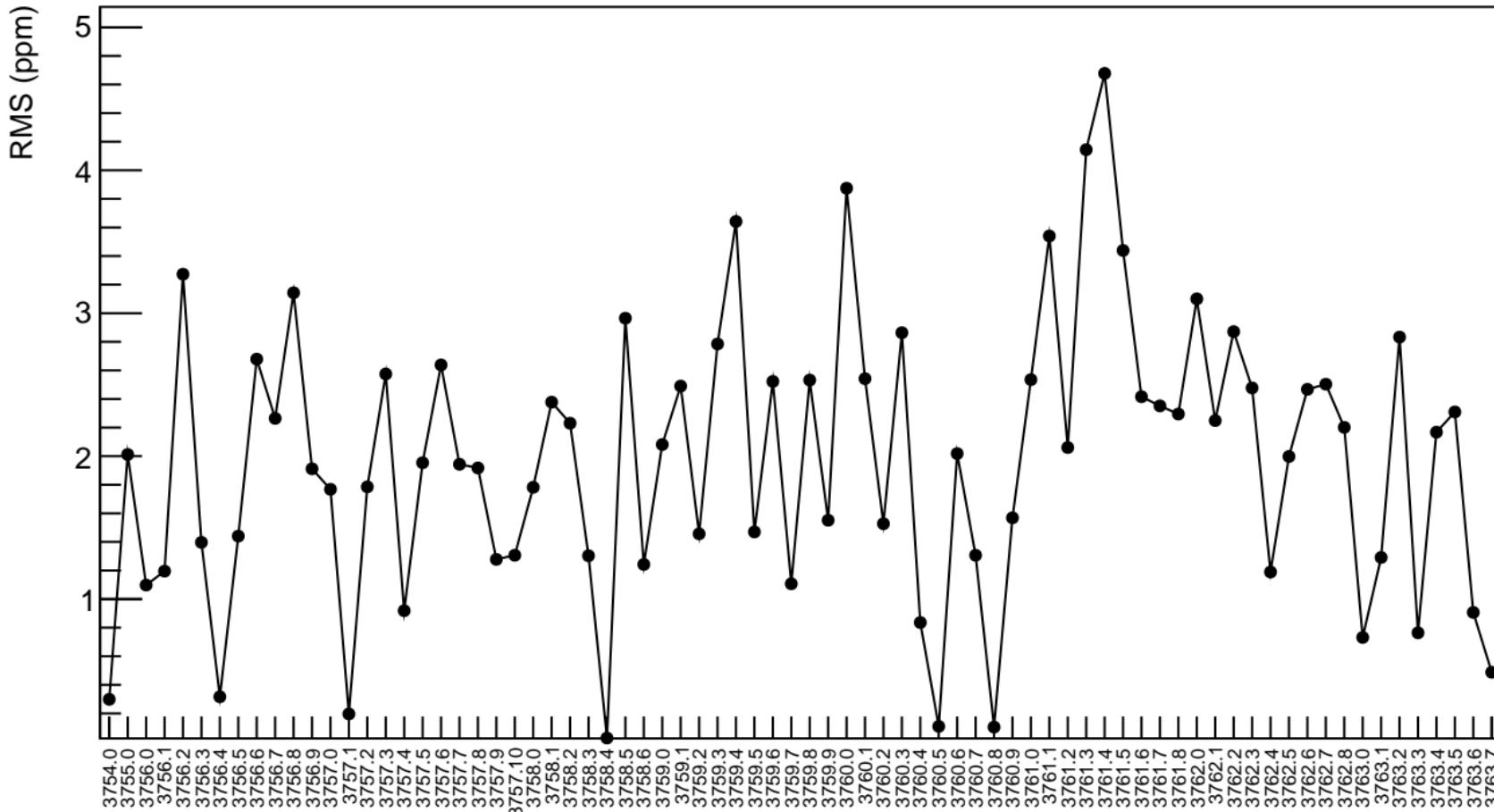
$\chi^2 / \text{ndf}$  51.2 / 75  
p0  $-3.445 \pm 3.31$



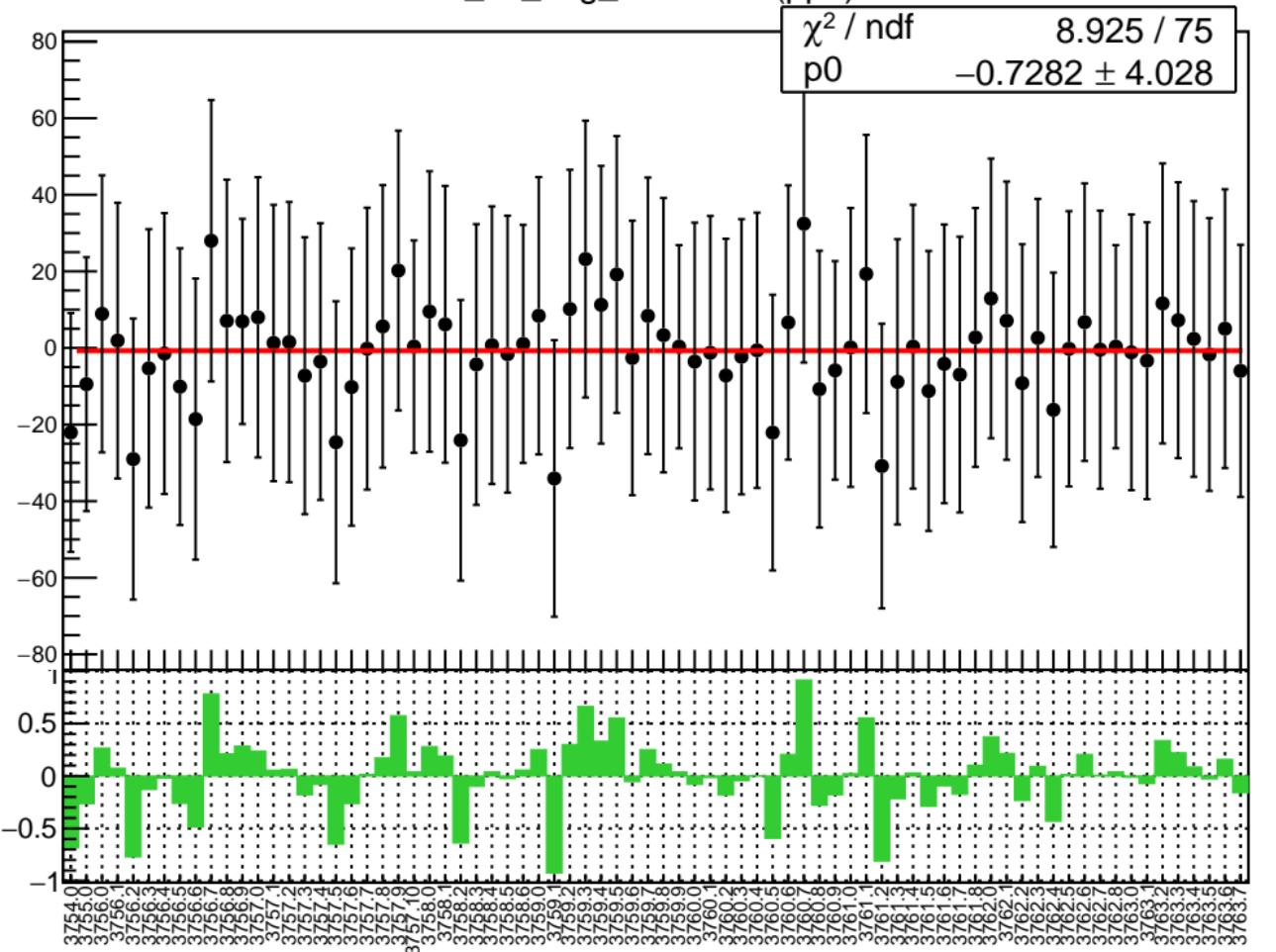
1D pull distribution



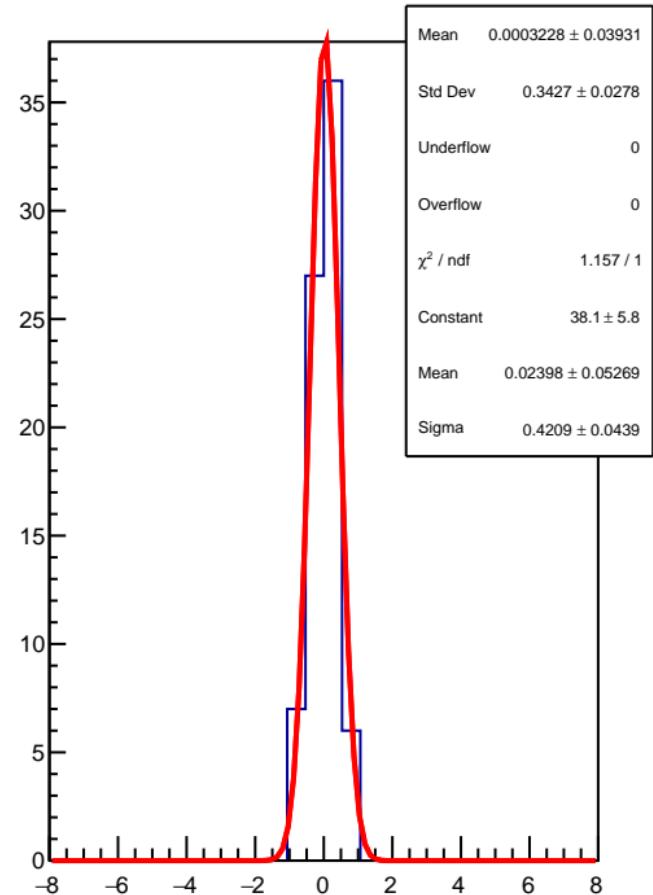
# corr\_us\_avg\_evMon9 RMS (ppm)



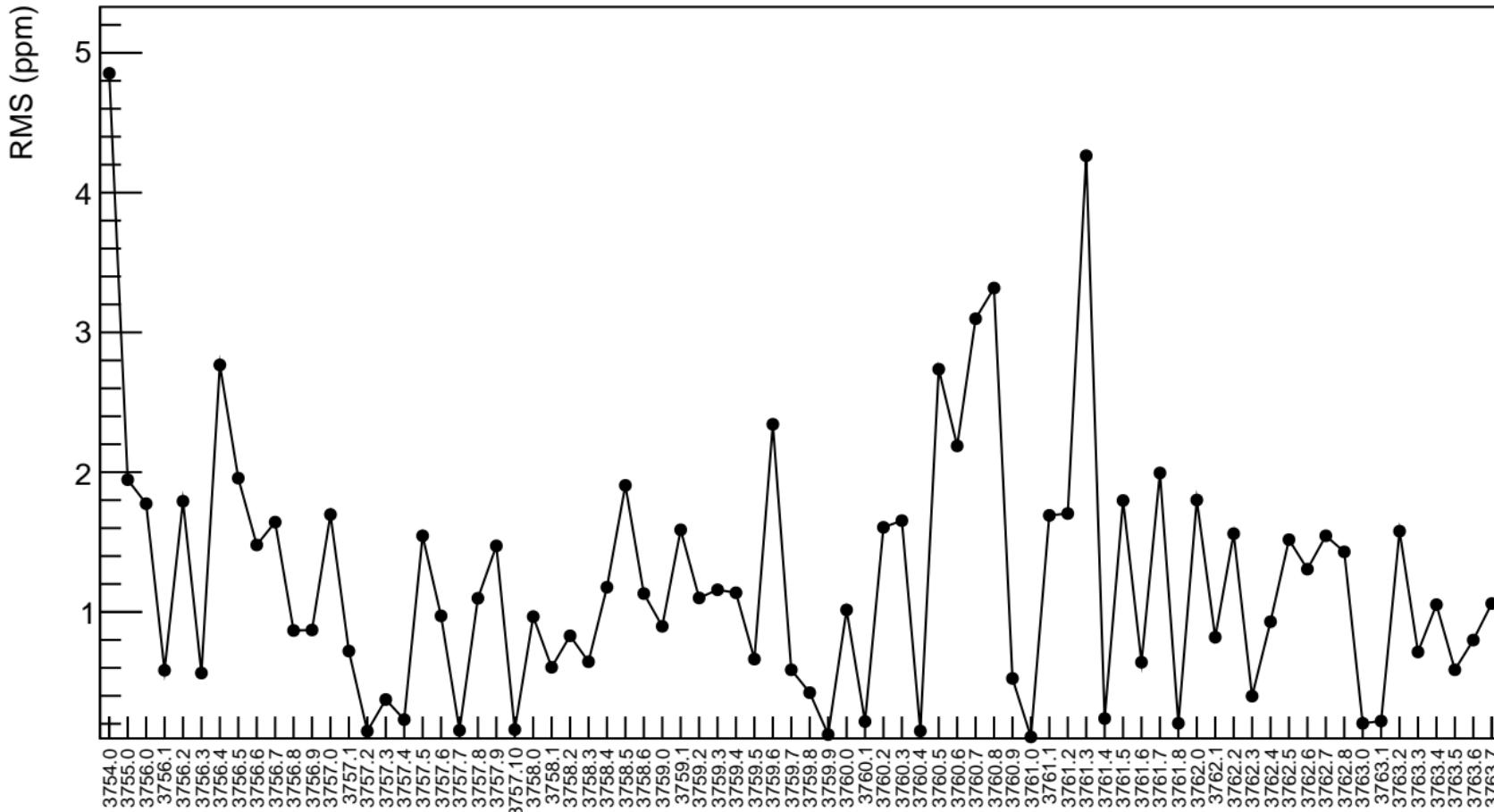
corr\_us\_avg\_evMon10 (ppb)



1D pull distribution



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

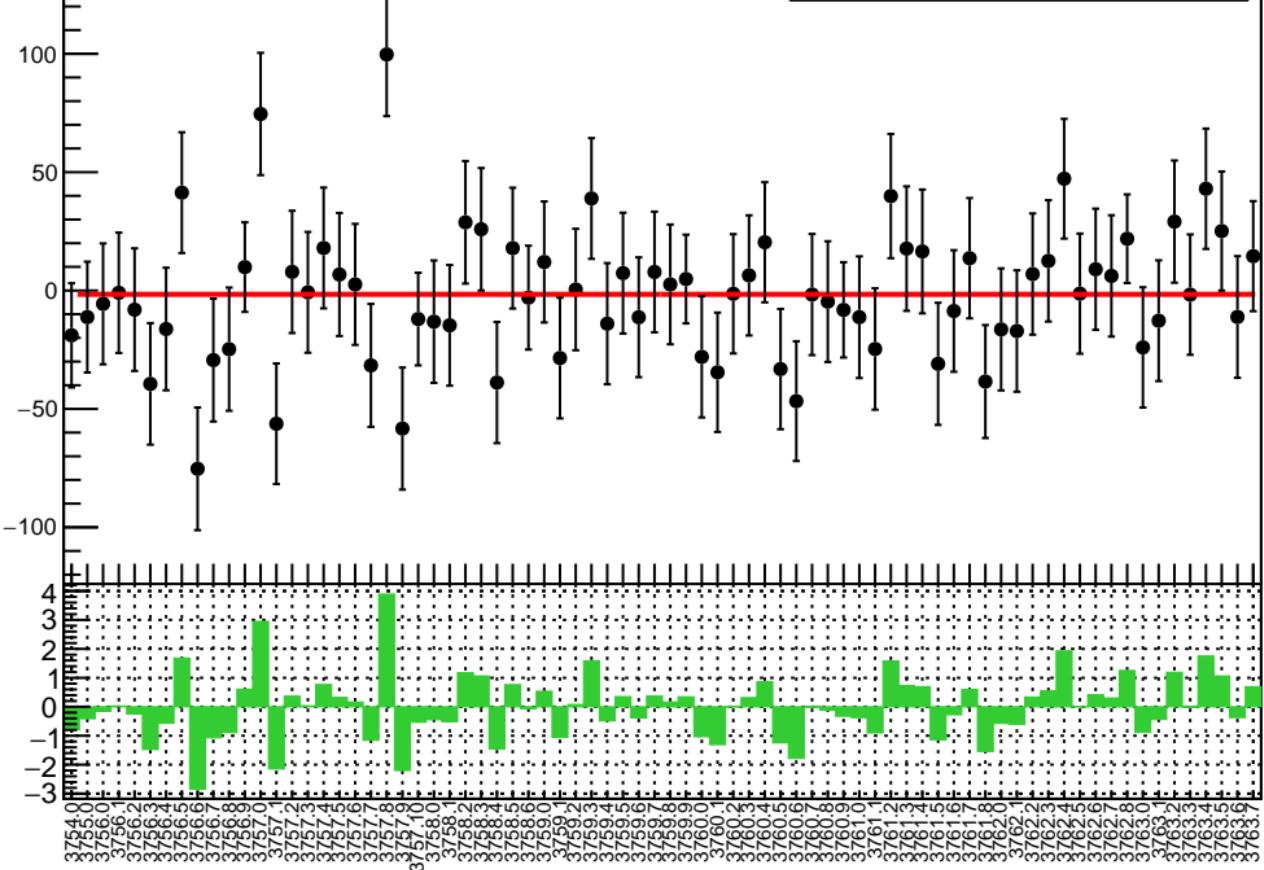


corr\_us\_avg\_evMon11 (ppb)

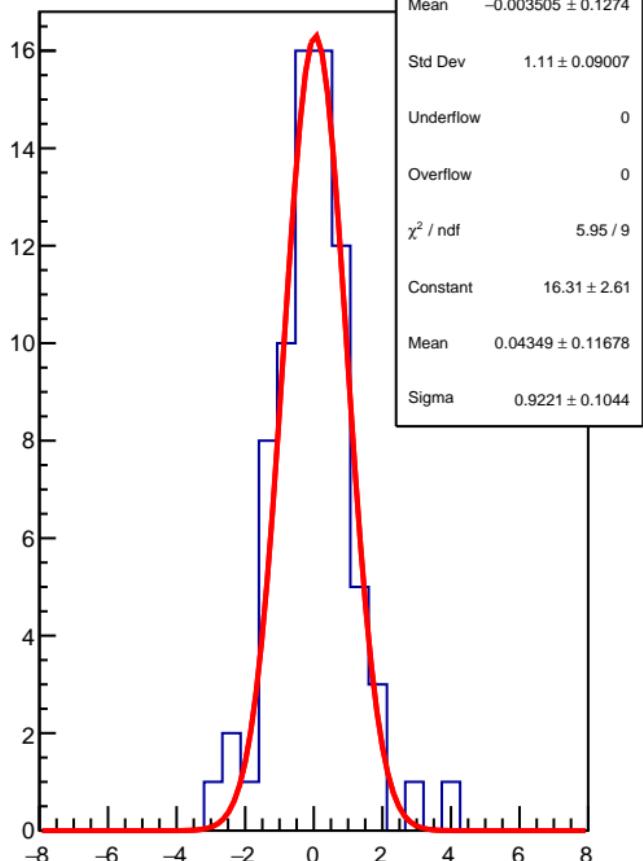
 $\chi^2 / \text{ndf}$ 

93.71 / 75

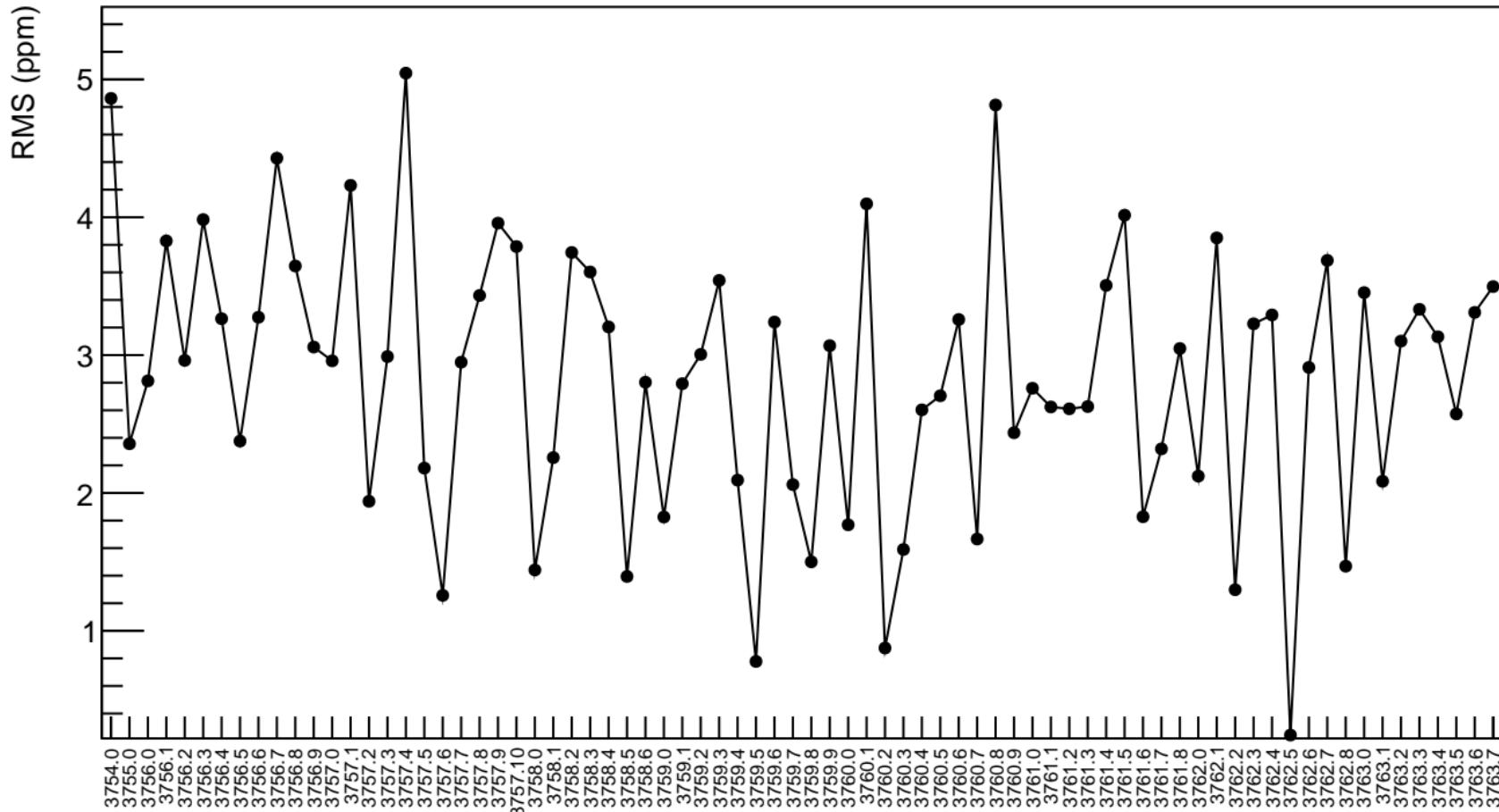
p0

 $-1.598 \pm 2.843$ 

1D pull distribution

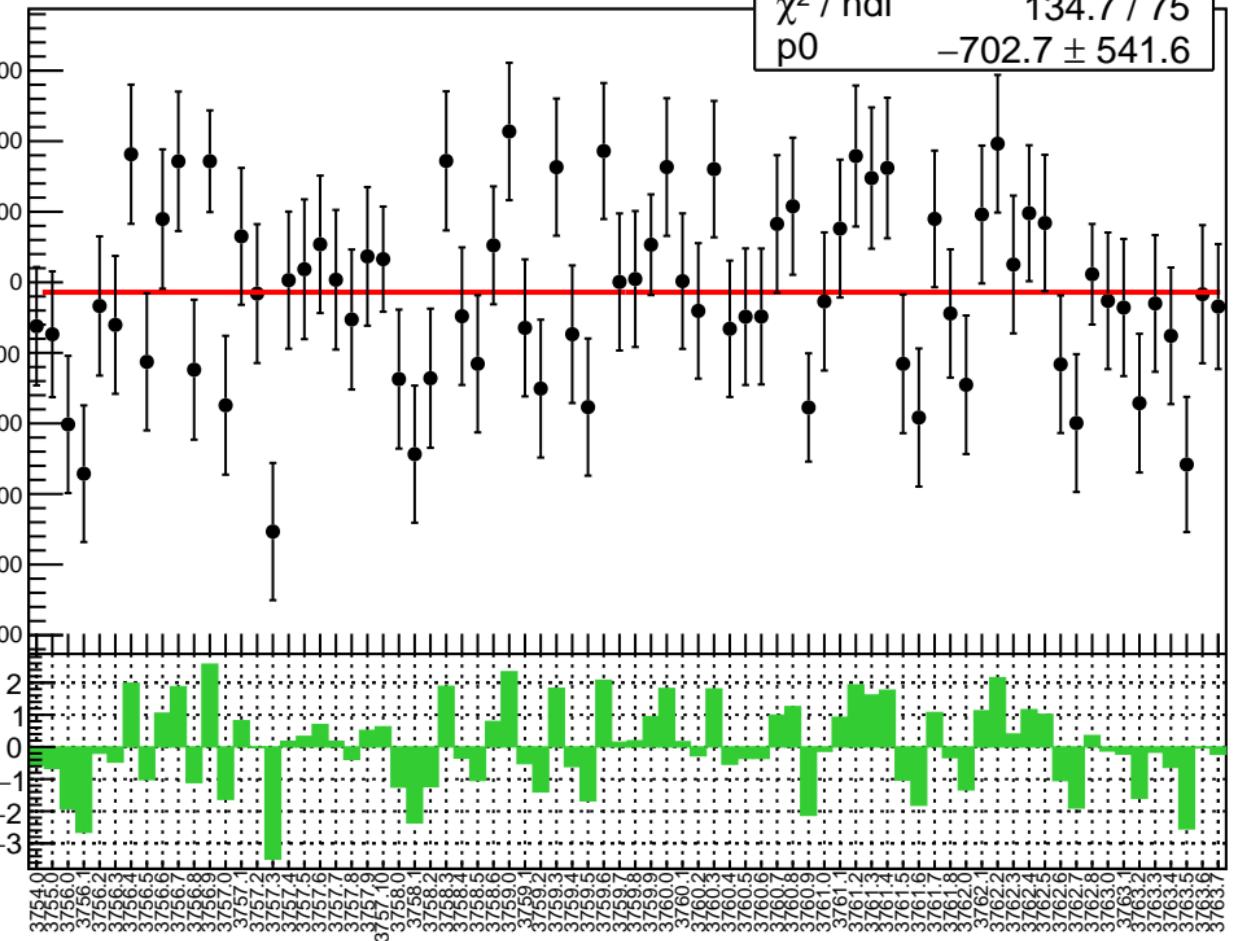


# corr\_us\_avg\_evMon11 RMS (ppm)

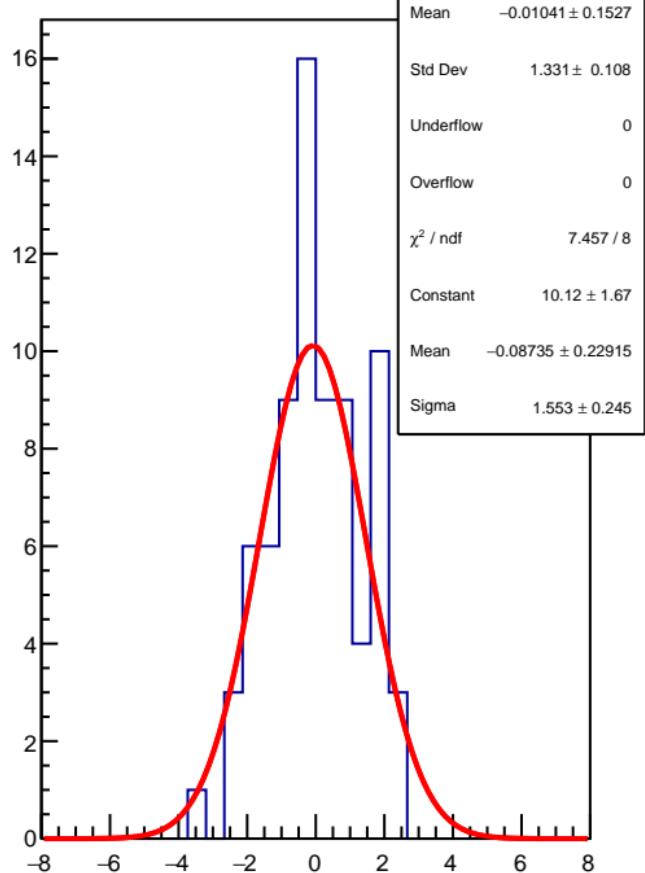


corr\_us\_dd\_evMon0 (ppb)

$\chi^2 / \text{ndf}$  134.7 / 75  
 $p_0$   $-702.7 \pm 541.6$

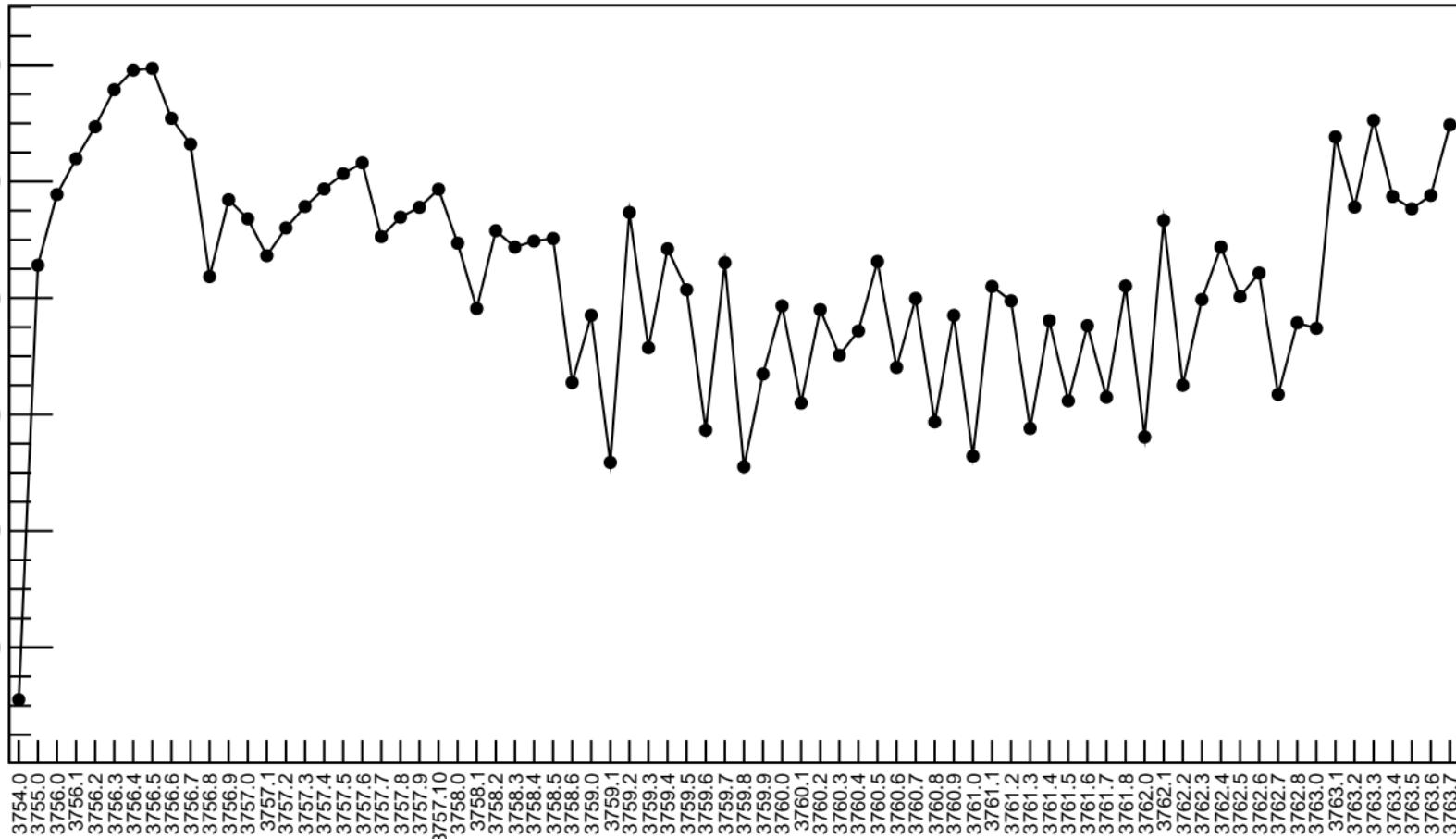


1D pull distribution

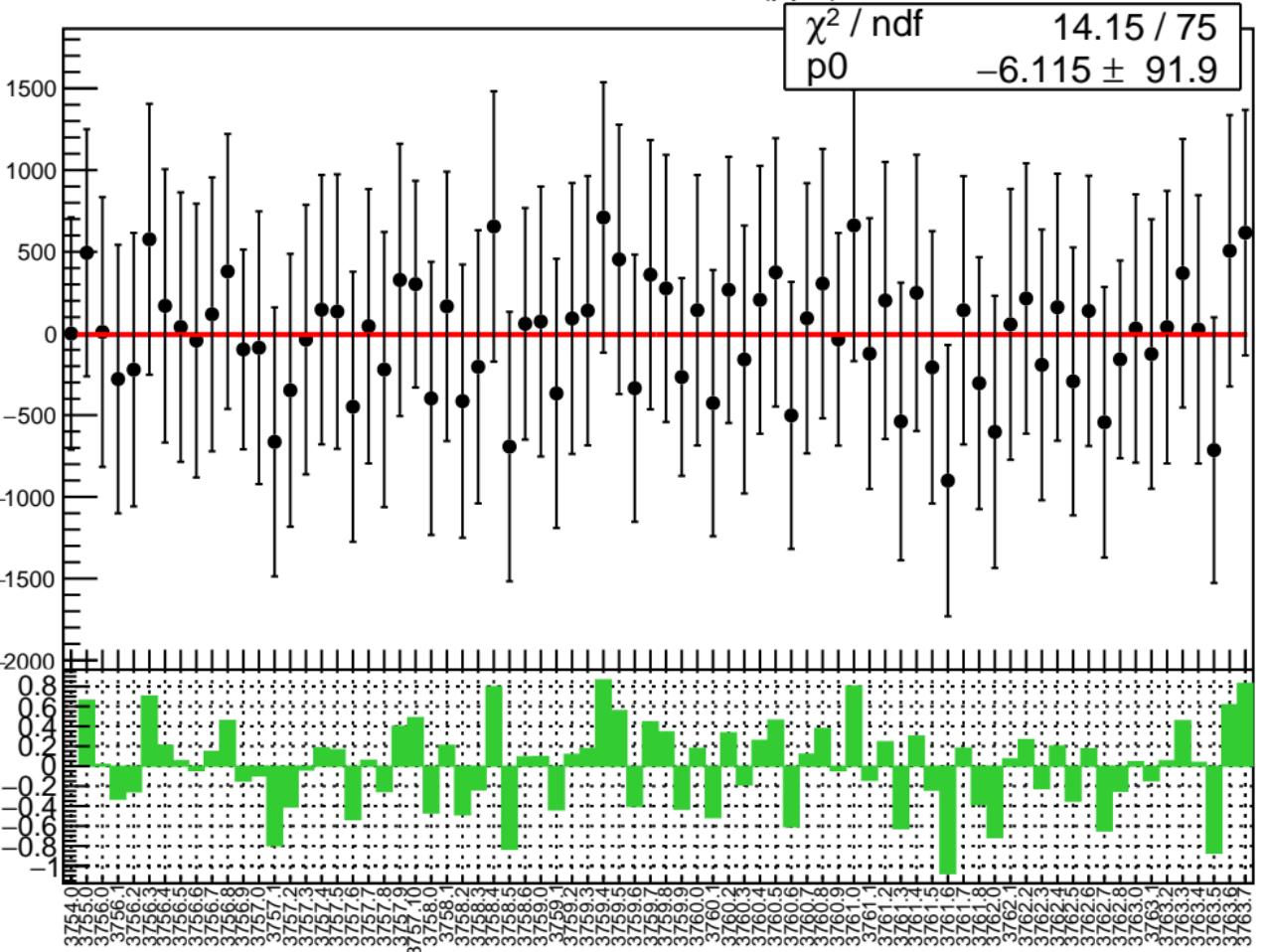


# corr\_us\_dd\_evMon0 RMS (ppm)

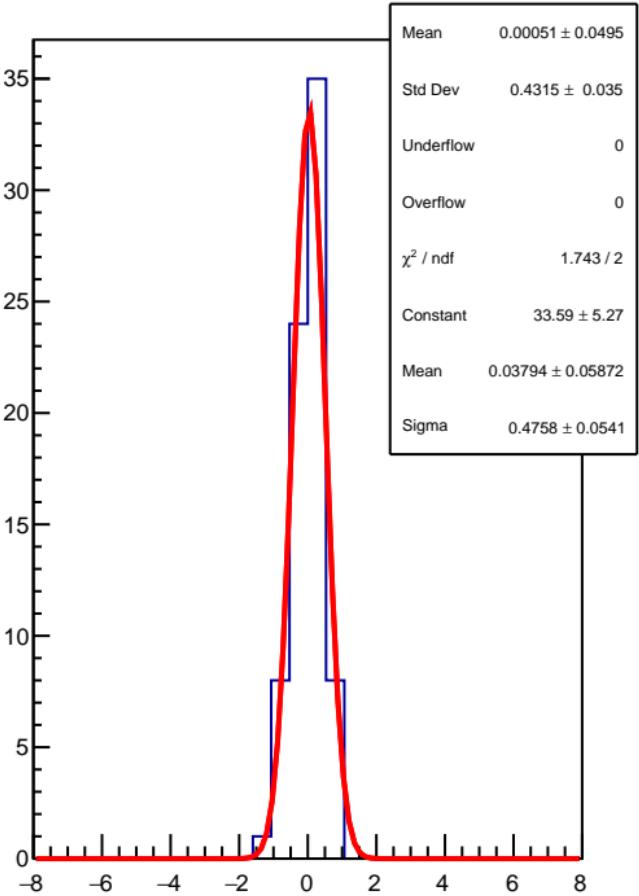
RMS (ppm)



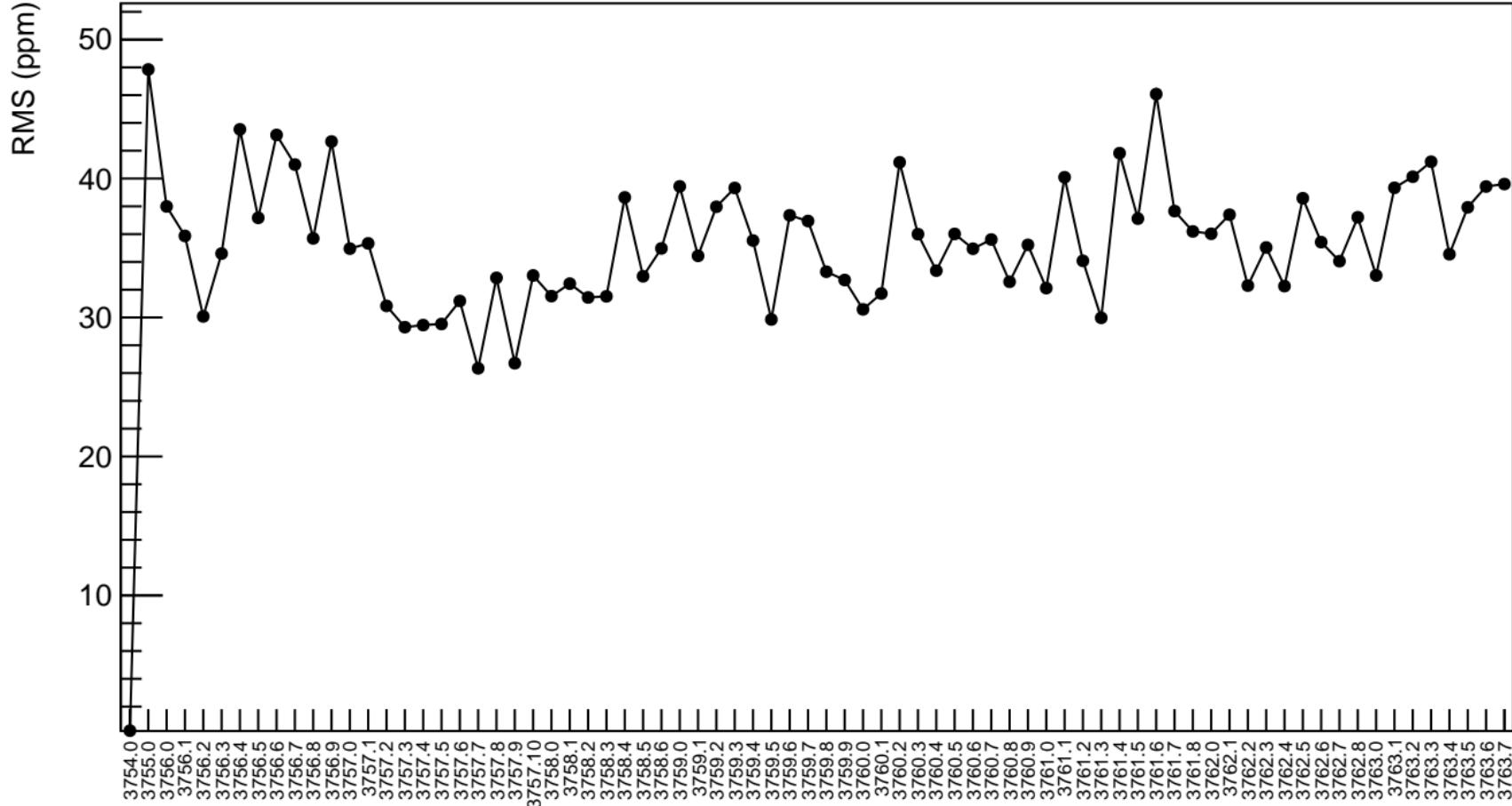
corr\_us\_dd\_evMon1 (ppb)



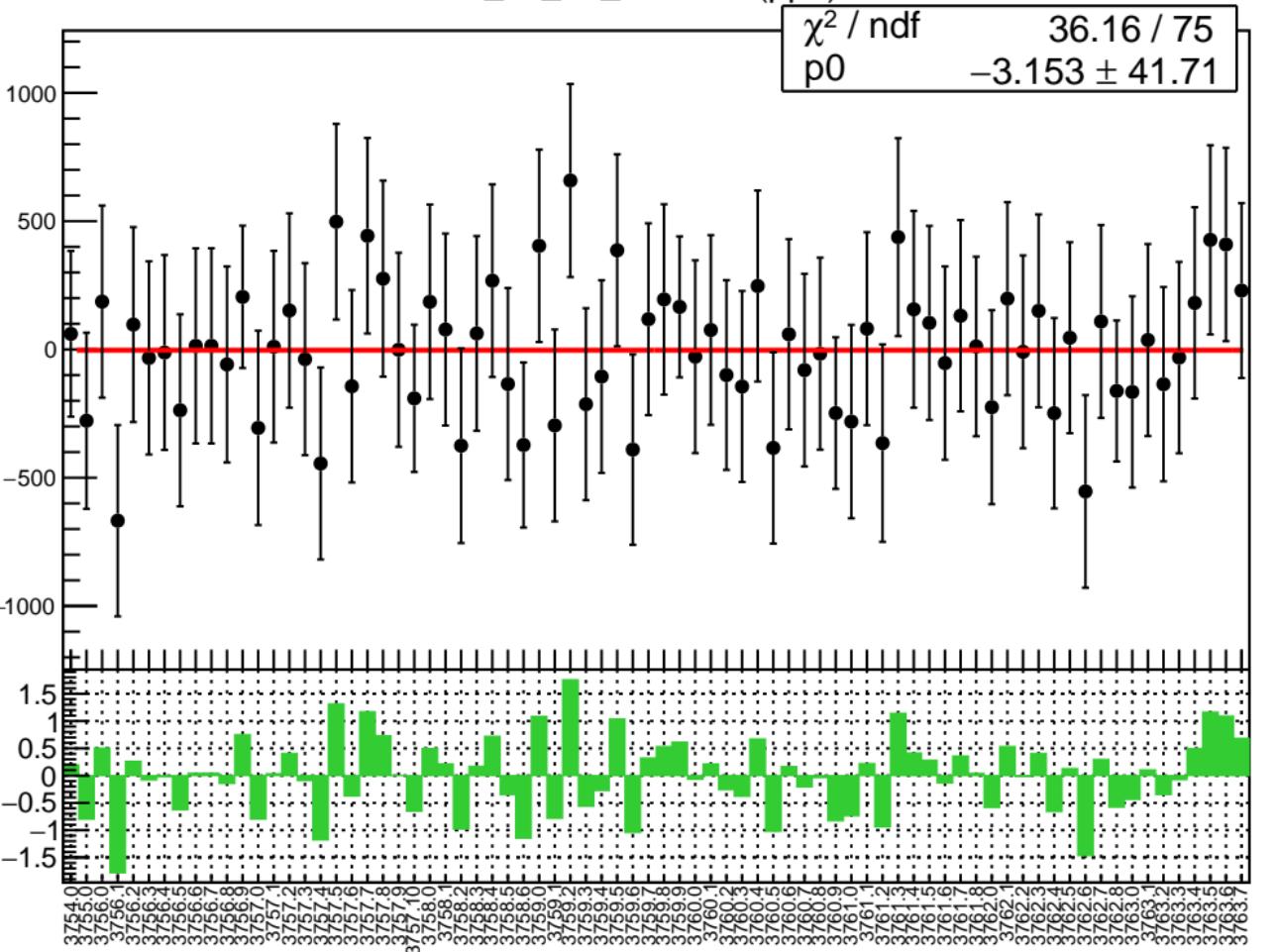
1D pull distribution



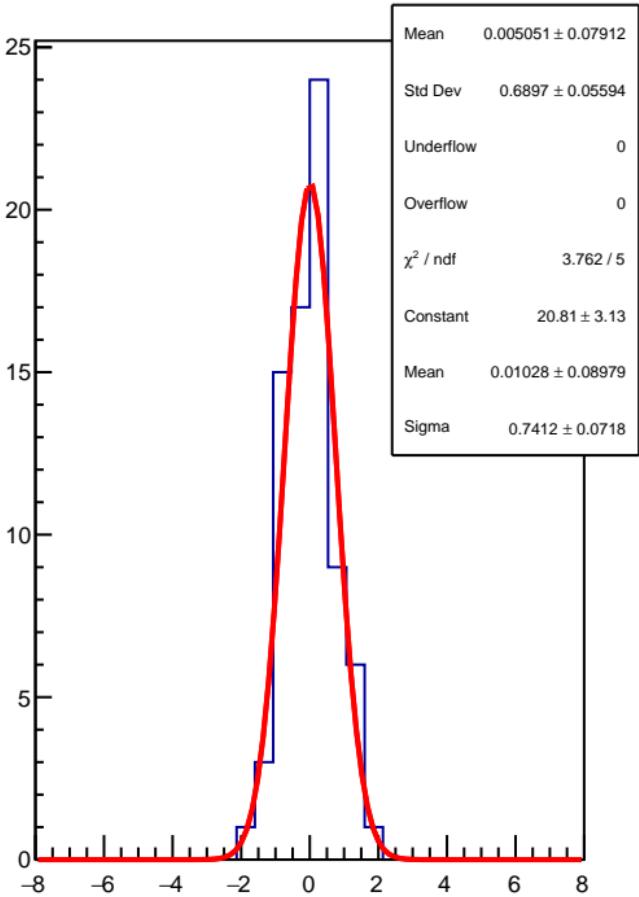
# corr\_us\_dd\_evMon1 RMS (ppm)



corr\_us\_dd\_evMon2 (ppb)



1D pull distribution

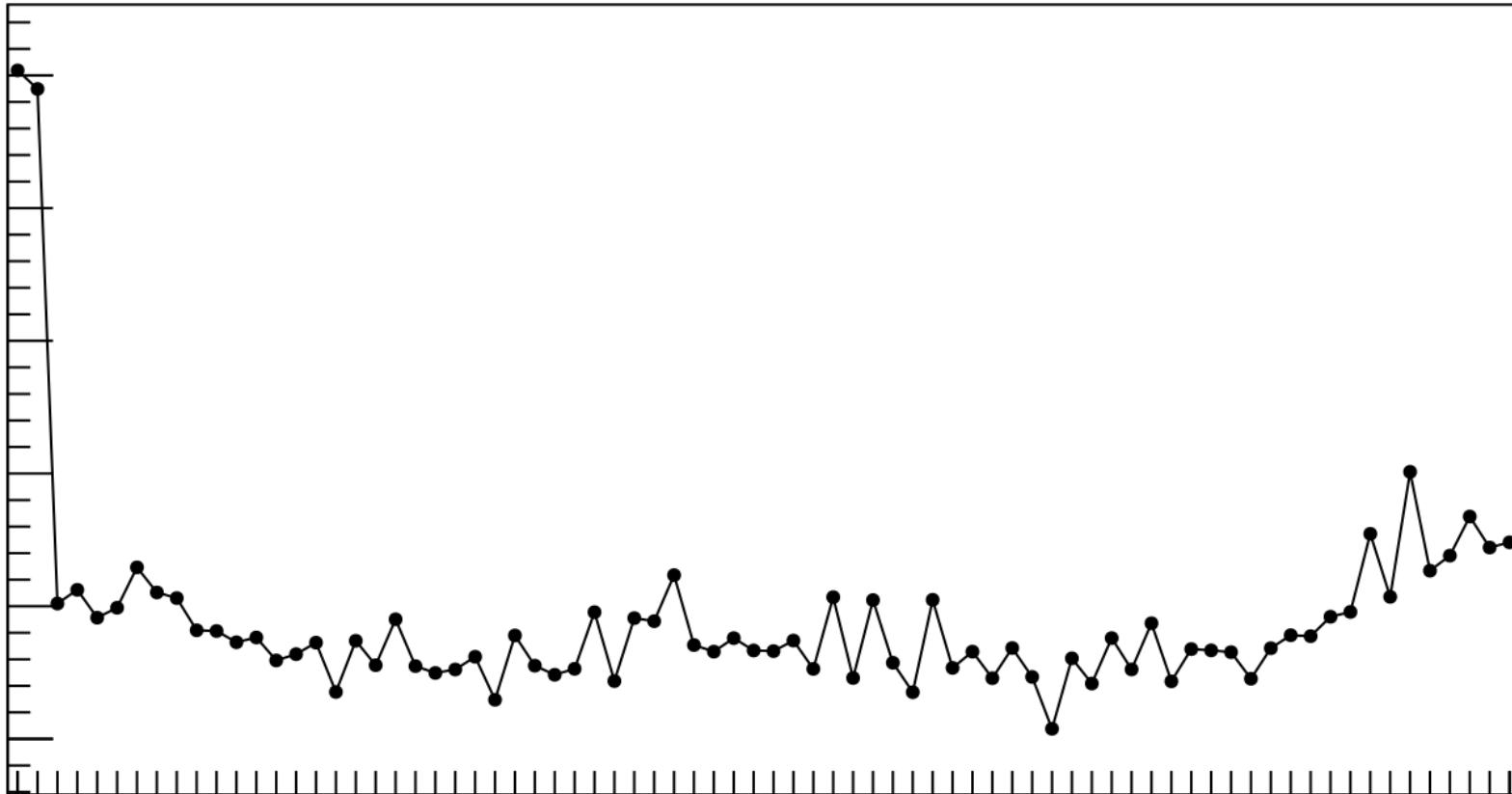


# corr\_us\_dd\_evMon2 RMS (ppm)

RMS (ppm)

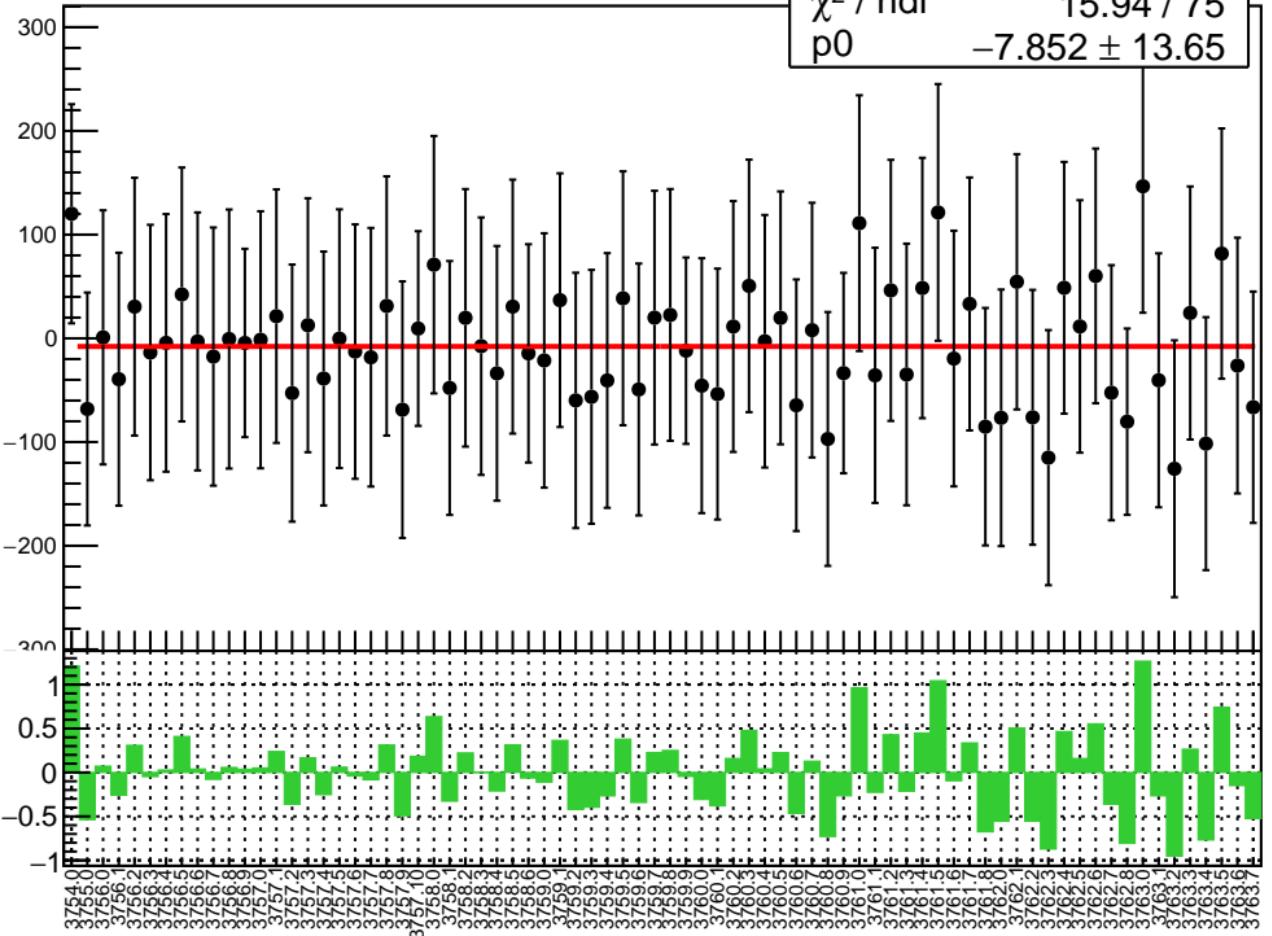
45  
40  
35  
30  
25  
20

3754.0  
3755.0  
3756.0  
3756.1  
3756.2  
3756.3  
3756.4  
3756.5  
3756.6  
3756.7  
3756.8  
3756.9  
3757.0  
3757.1  
3757.2  
3757.3  
3757.4  
3757.5  
3757.6  
3757.7  
3757.8  
3757.9  
3757.10  
3758.0  
3758.1  
3758.2  
3758.3  
3758.4  
3758.5  
3758.6  
3758.7  
3758.8  
3758.9  
3758.10  
3759.0  
3759.1  
3759.2  
3759.3  
3759.4  
3759.5  
3759.6  
3759.7  
3759.8  
3759.9  
3760.0  
3760.1  
3760.2  
3760.3  
3760.4  
3760.5  
3760.6  
3760.7  
3760.8  
3760.9  
3761.0  
3761.1  
3761.2  
3761.3  
3761.4  
3761.5  
3761.6  
3761.7  
3761.8  
3762.0  
3762.1  
3762.2  
3762.3  
3762.4  
3762.5  
3762.6  
3762.7  
3762.8  
3763.0  
3763.1  
3763.2  
3763.3  
3763.4  
3763.5  
3763.6  
3763.7

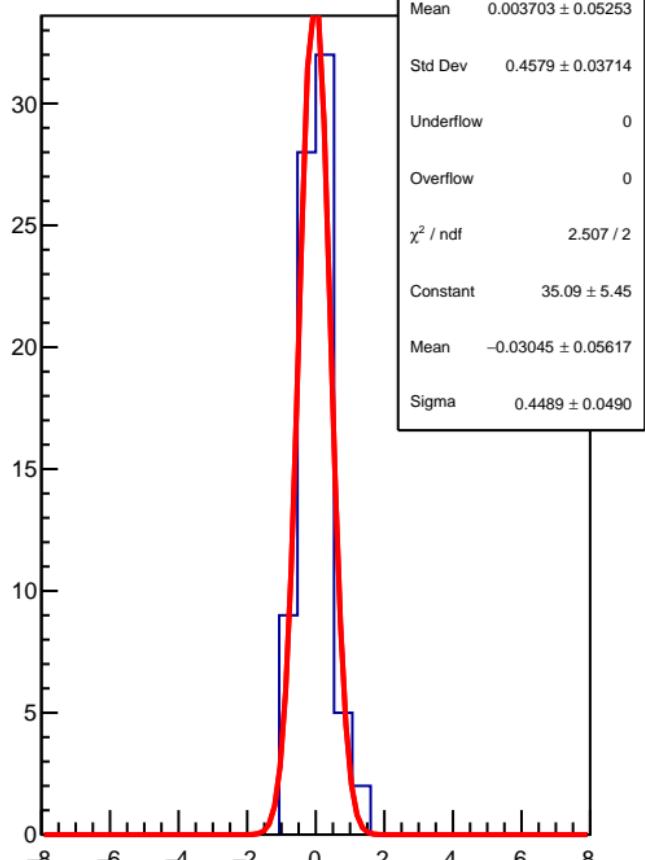


corr\_us\_dd\_evMon3 (ppb)

$\chi^2 / \text{ndf}$  15.94 / 75  
 $p_0$   $-7.852 \pm 13.65$



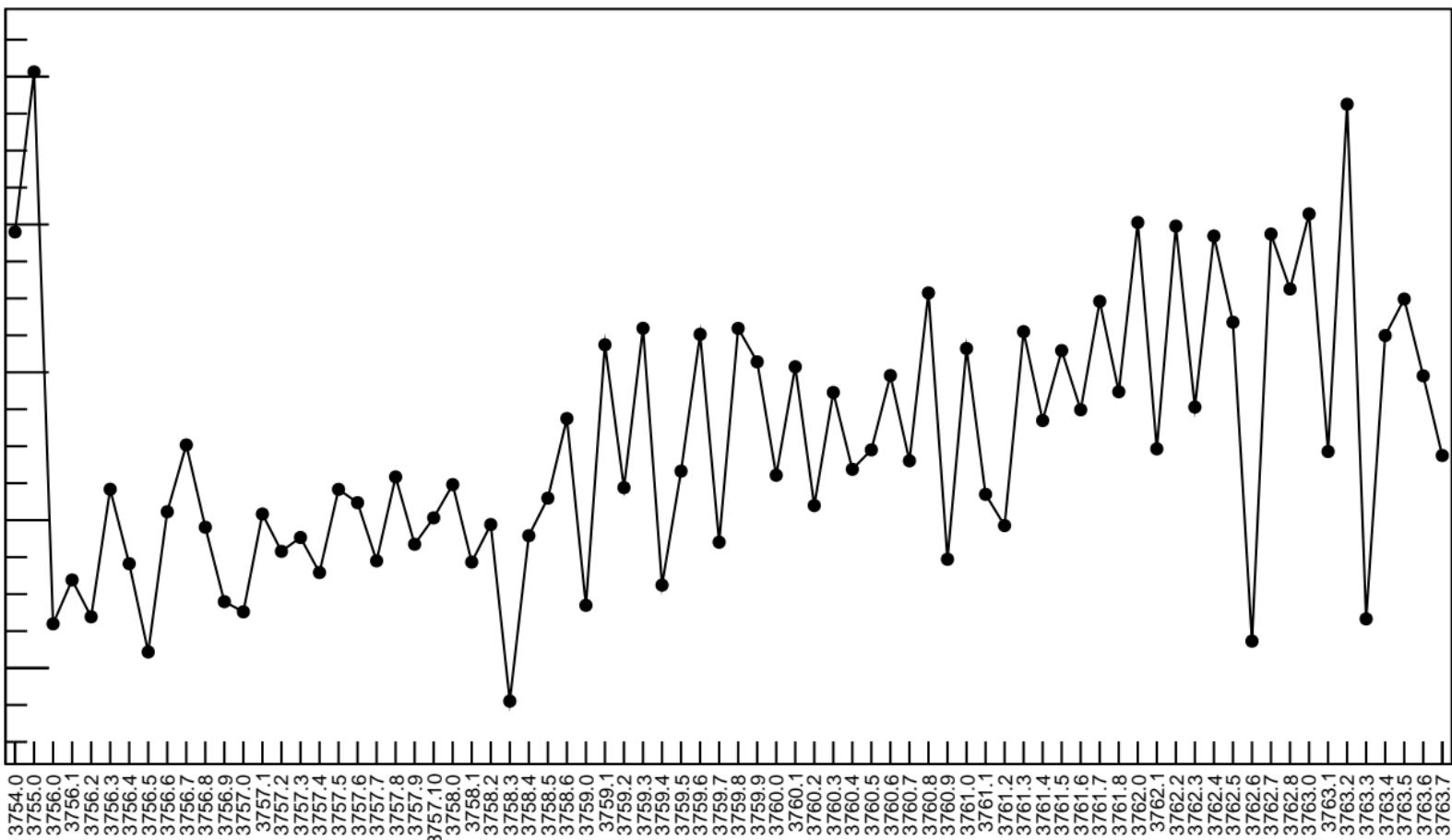
1D pull distribution



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

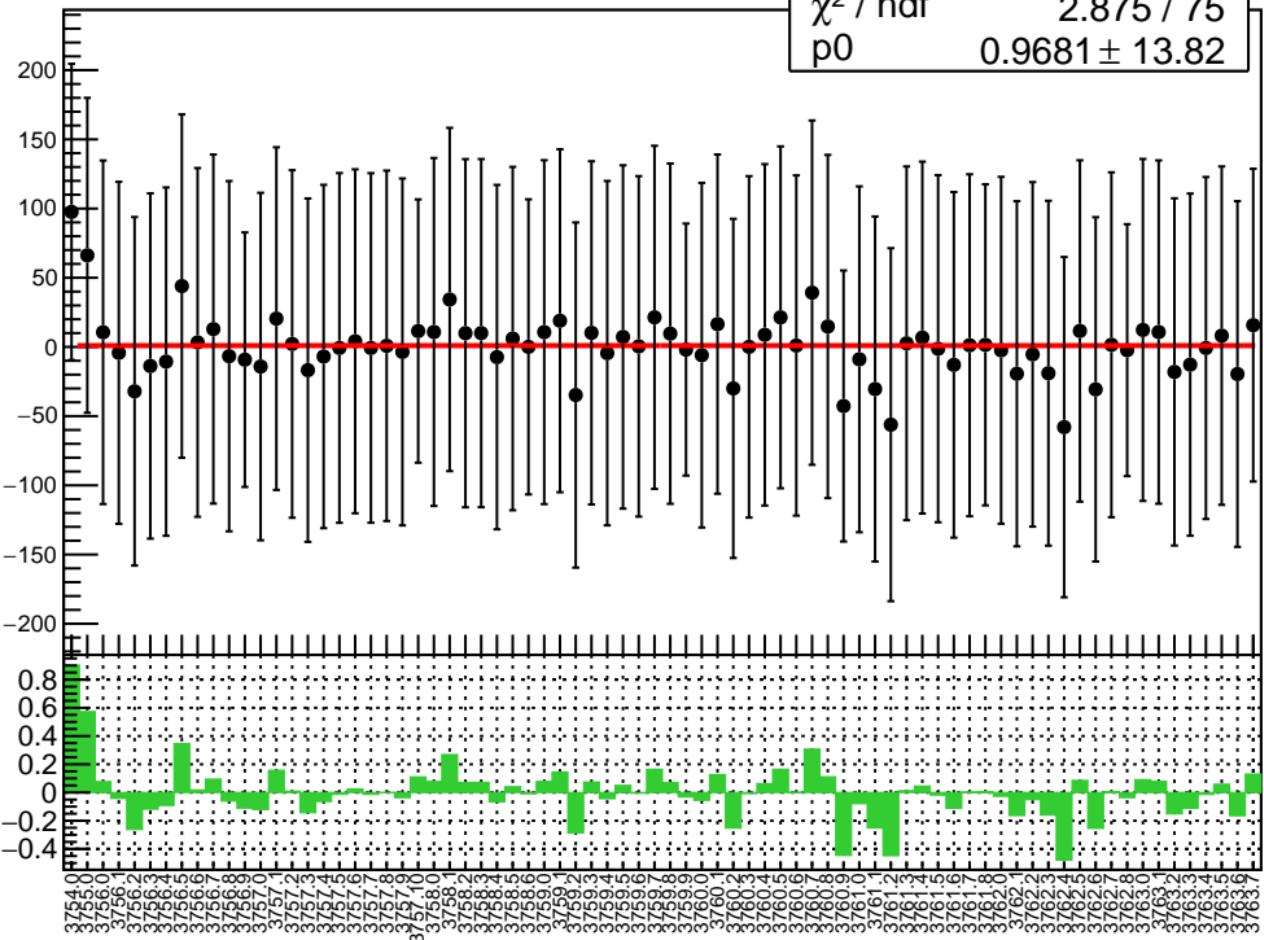
RMS (ppm)

10  
8  
6  
4  
2

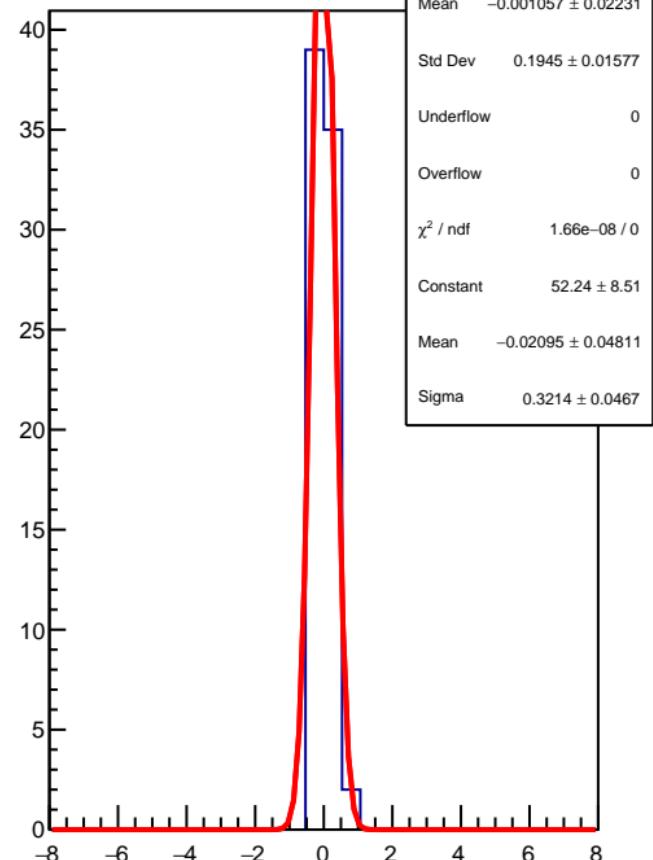


corr\_us\_dd\_evMon4 (ppb)

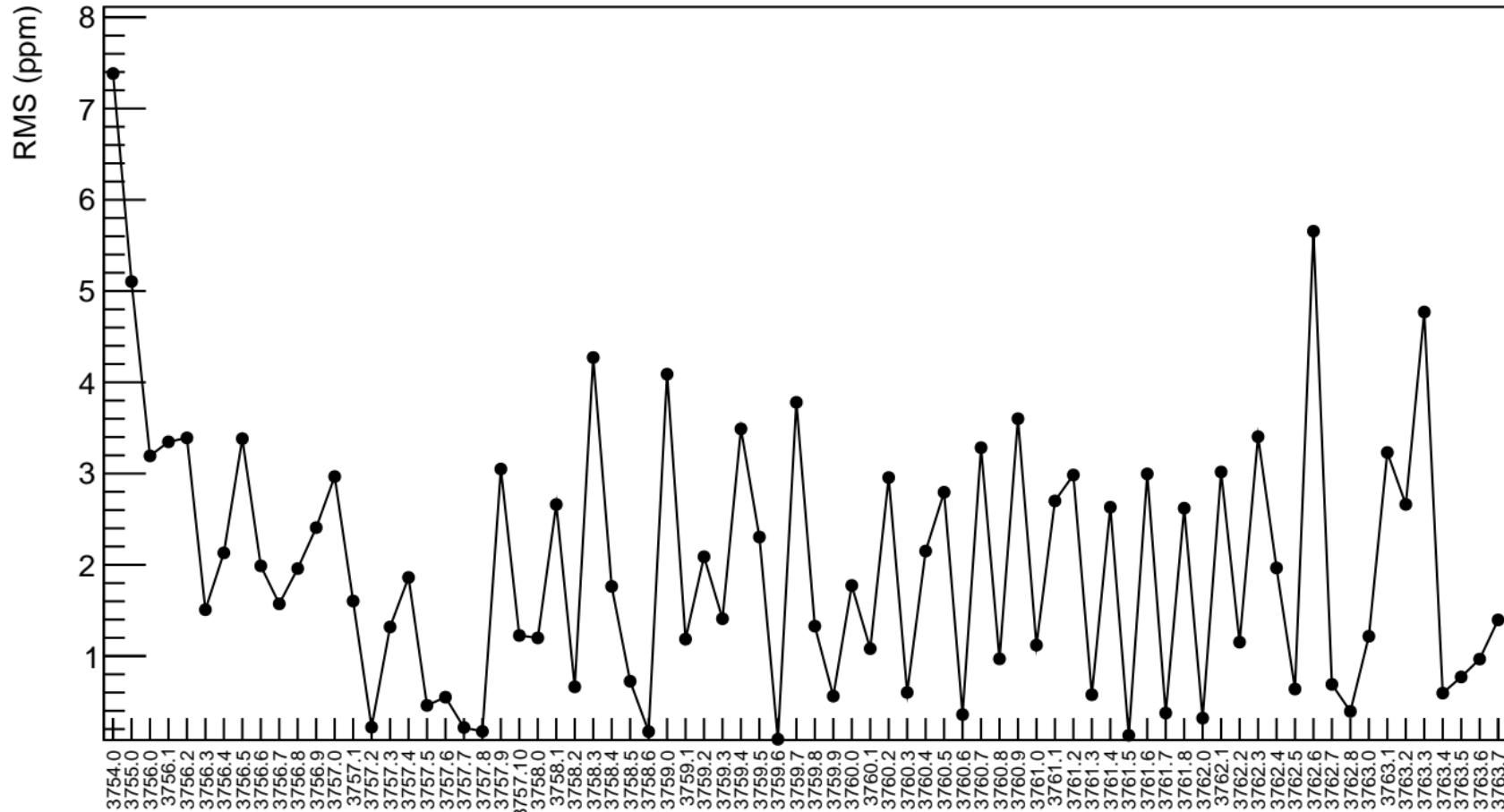
$\chi^2 / \text{ndf}$  2.875 / 75  
 $p_0$   $0.9681 \pm 13.82$



1D pull distribution

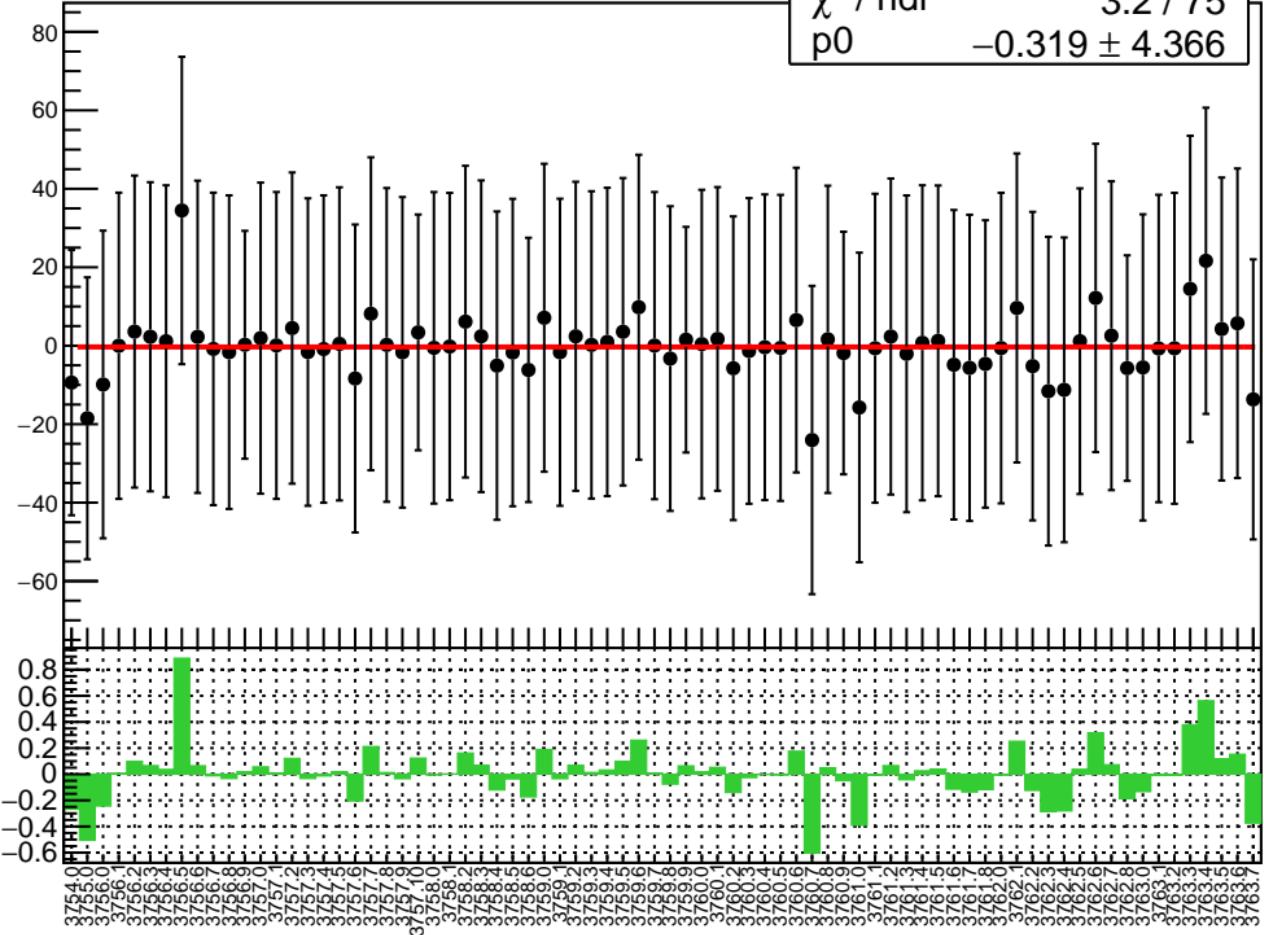


# corr\_us\_dd\_evMon4 RMS (ppm)

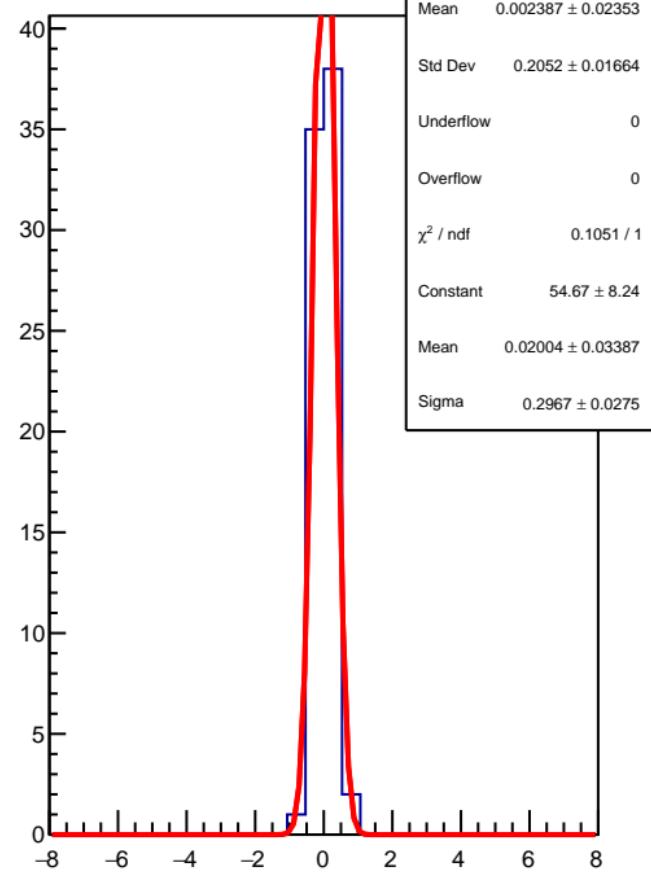


corr\_us\_dd\_evMon5 (ppb)

$\chi^2 / \text{ndf}$  3.2 / 75  
 $p_0$   $-0.319 \pm 4.366$

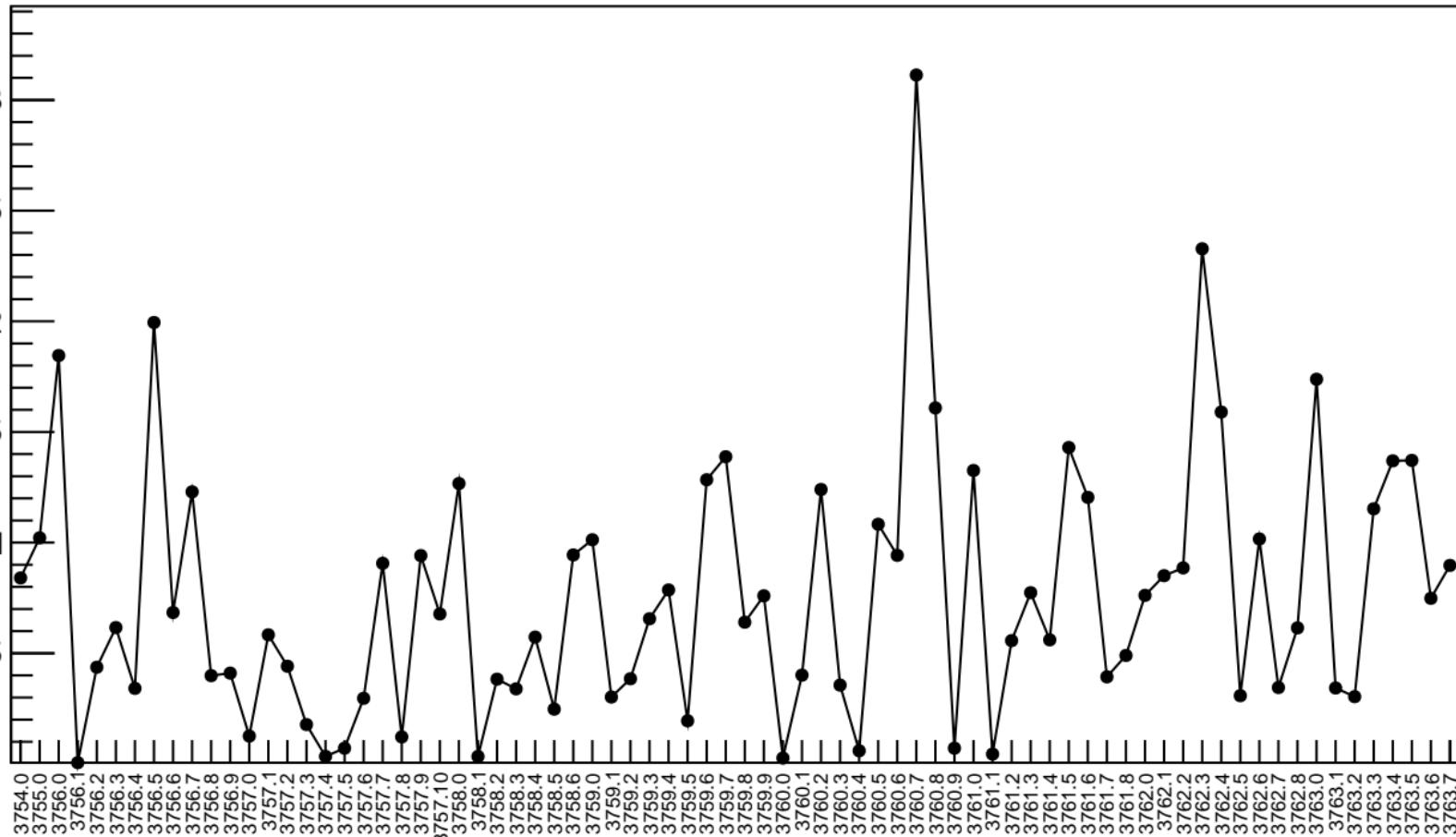


1D pull distribution

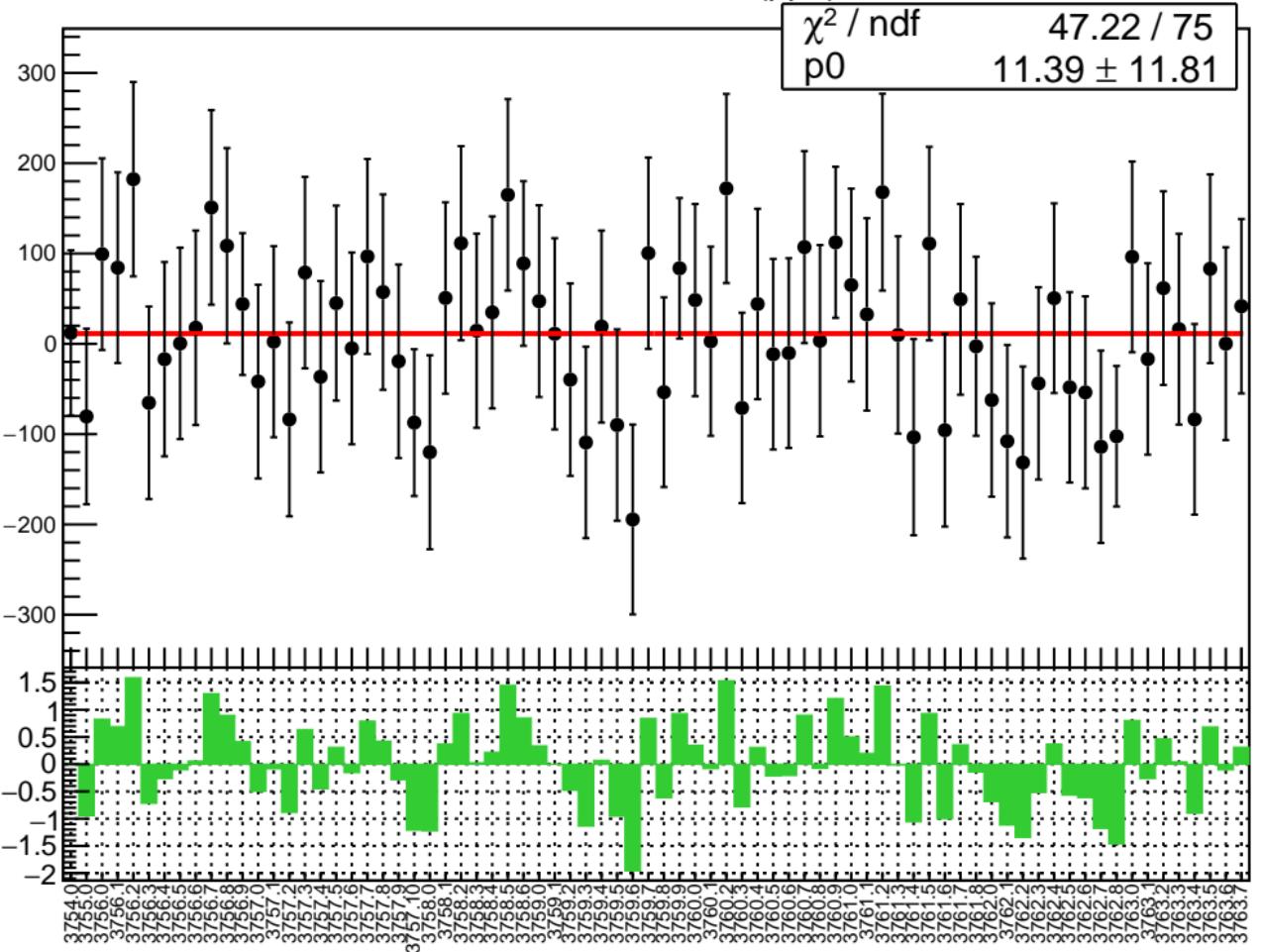


# corr\_us\_dd\_evMon5 RMS (ppm)

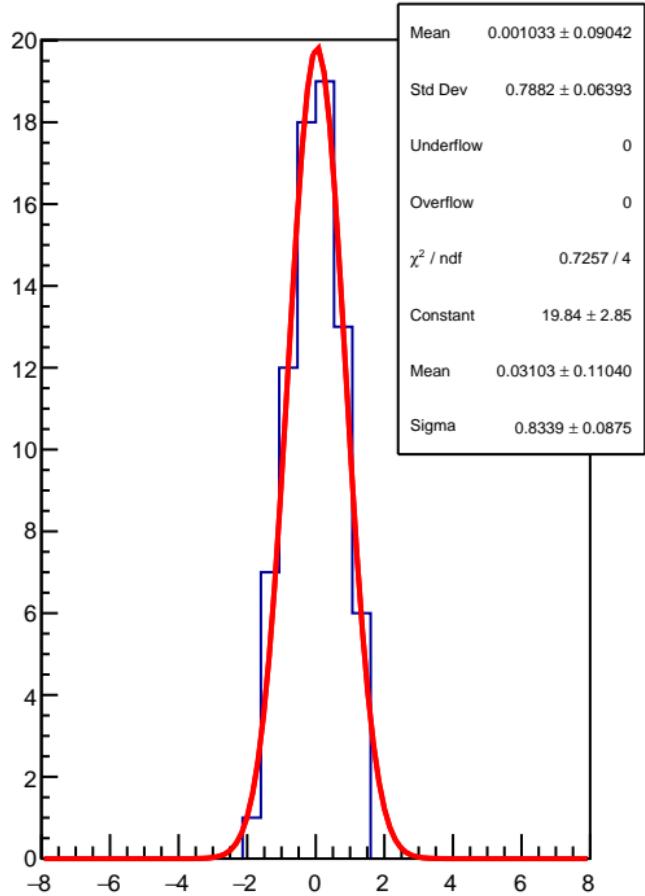
RMS (ppm)



corr\_us\_dd\_evMon6 (ppb)

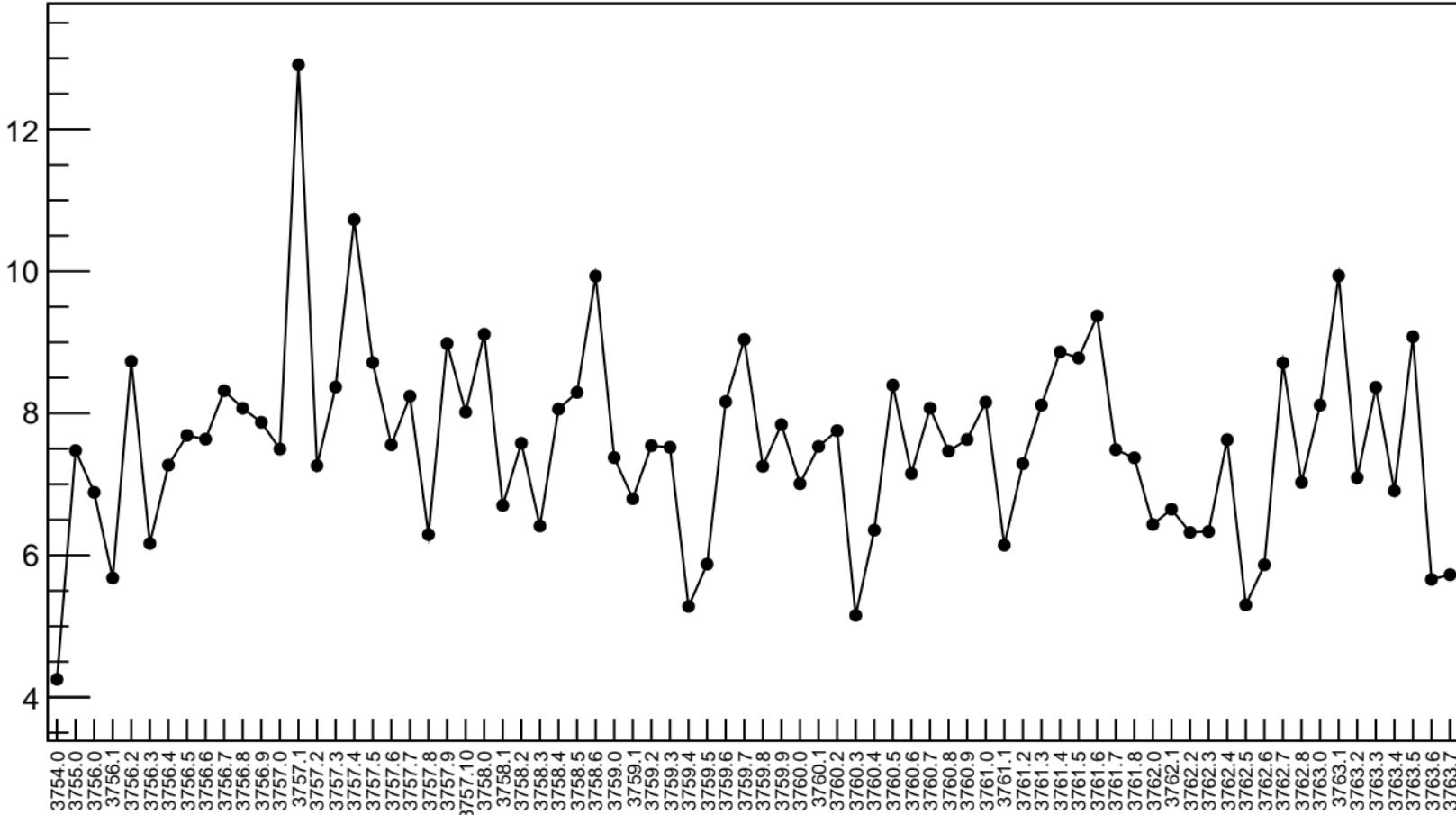


1D pull distribution



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

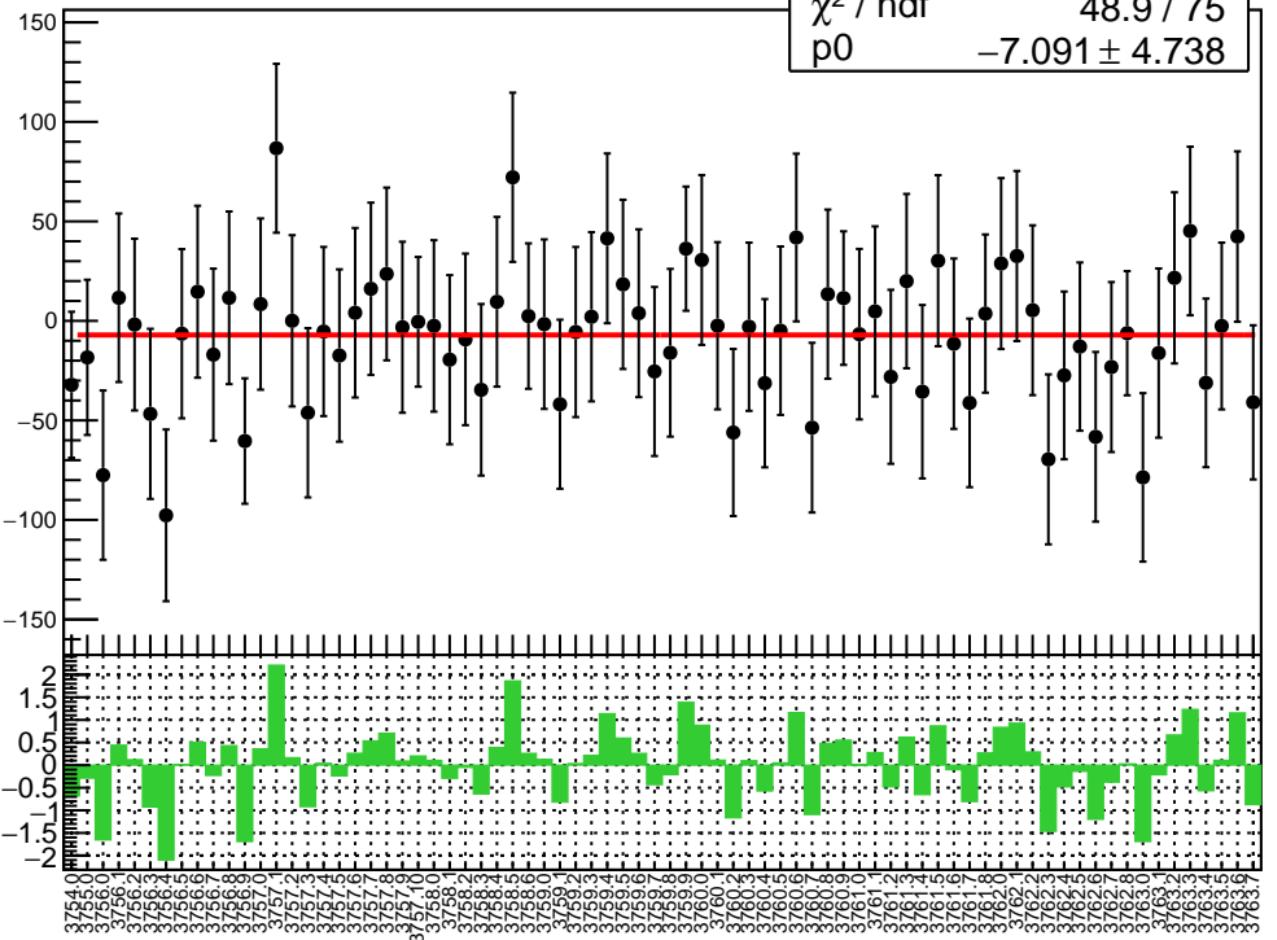
RMS (ppm)



corr\_us\_dd\_evMon7 (ppb)

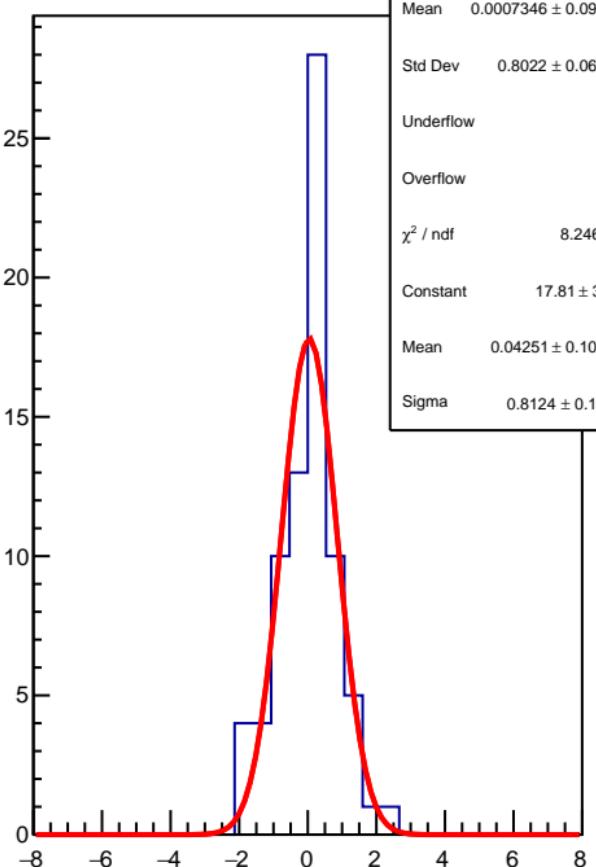
 $\chi^2 / \text{ndf}$ 

48.9 / 75

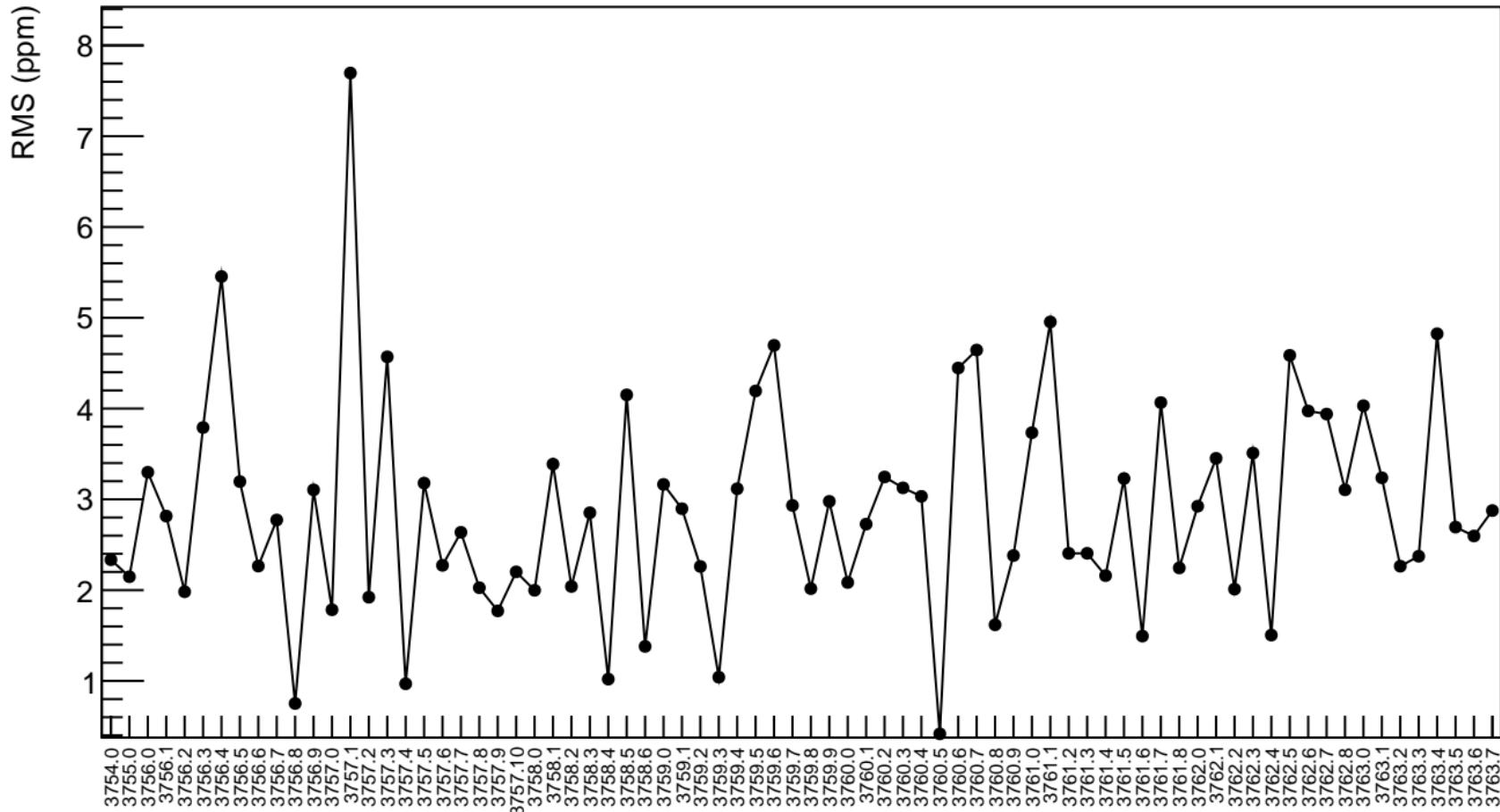
 $p_0$   
 $-7.091 \pm 4.738$ 

1D pull distribution

Mean	$0.0007346 \pm 0.09202$
Std Dev	$0.8022 \pm 0.06506$
Underflow	0
Overflow	0
$\chi^2 / \text{ndf}$	8.246 / 6
Constant	$17.81 \pm 3.04$
Mean	$0.04251 \pm 0.10976$
Sigma	$0.8124 \pm 0.1009$

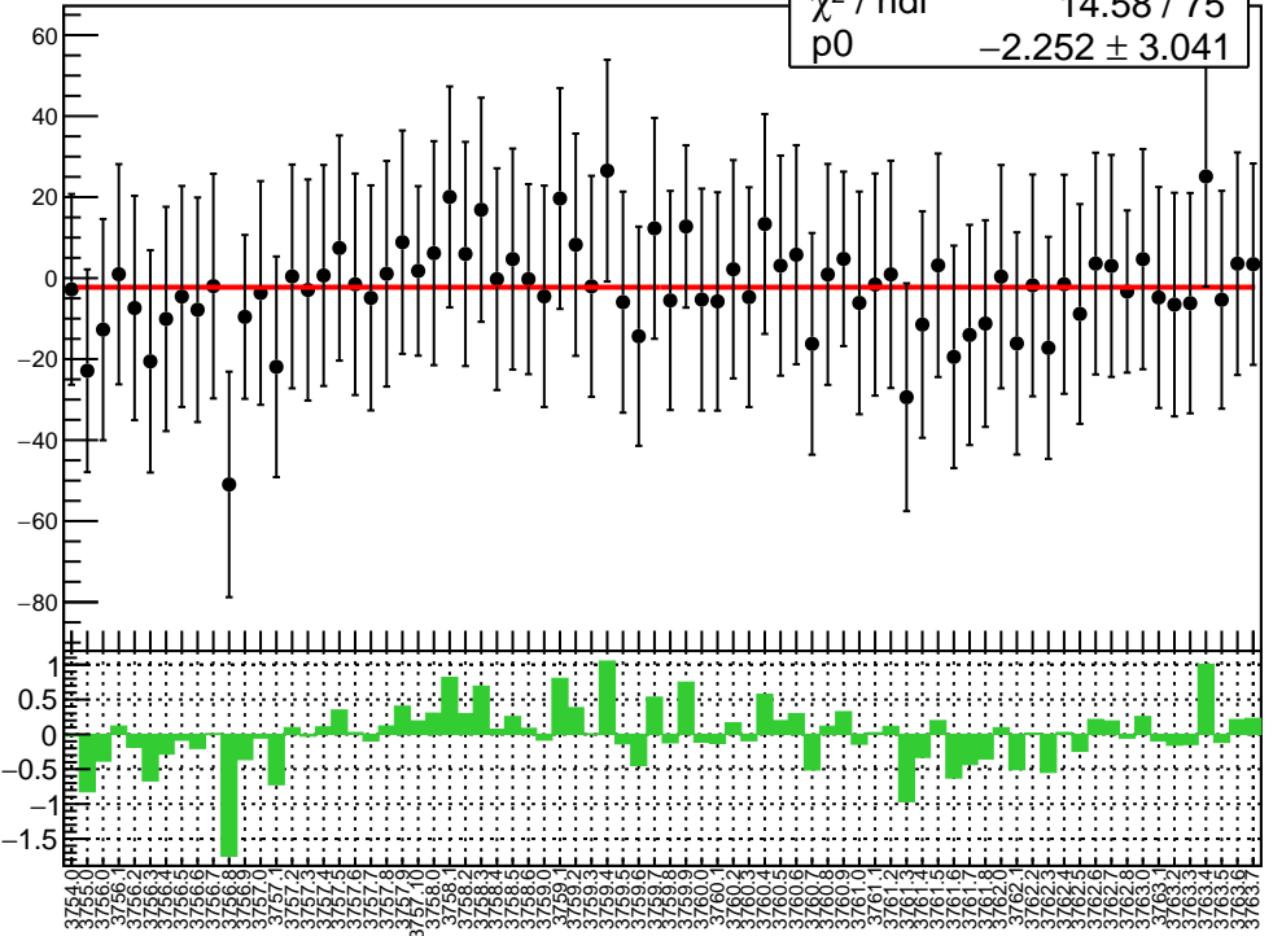


# corr\_us\_dd\_evMon7 RMS (ppm)

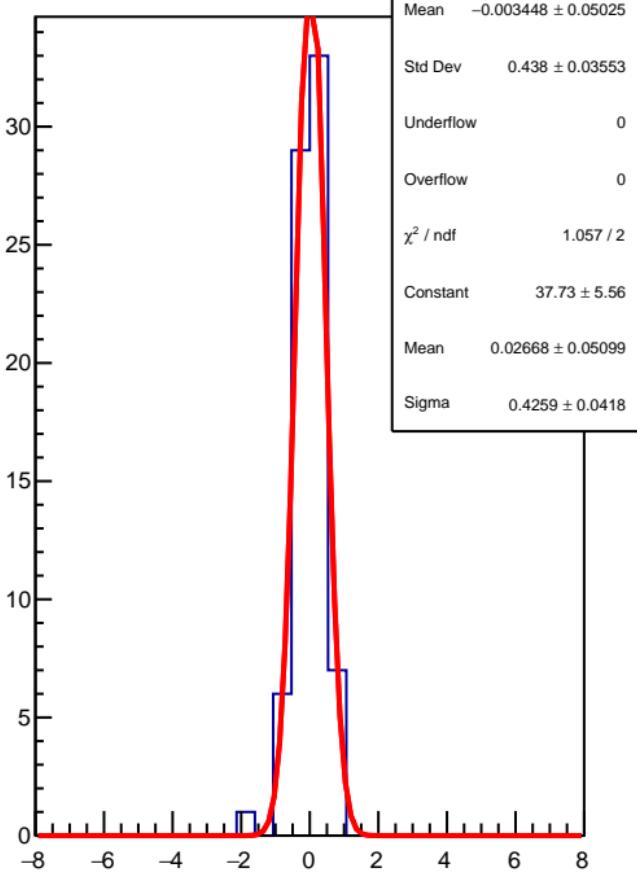


corr\_us\_dd\_evMon8 (ppb)

$\chi^2 / \text{ndf}$  14.58 / 75  
 $p_0$   $-2.252 \pm 3.041$

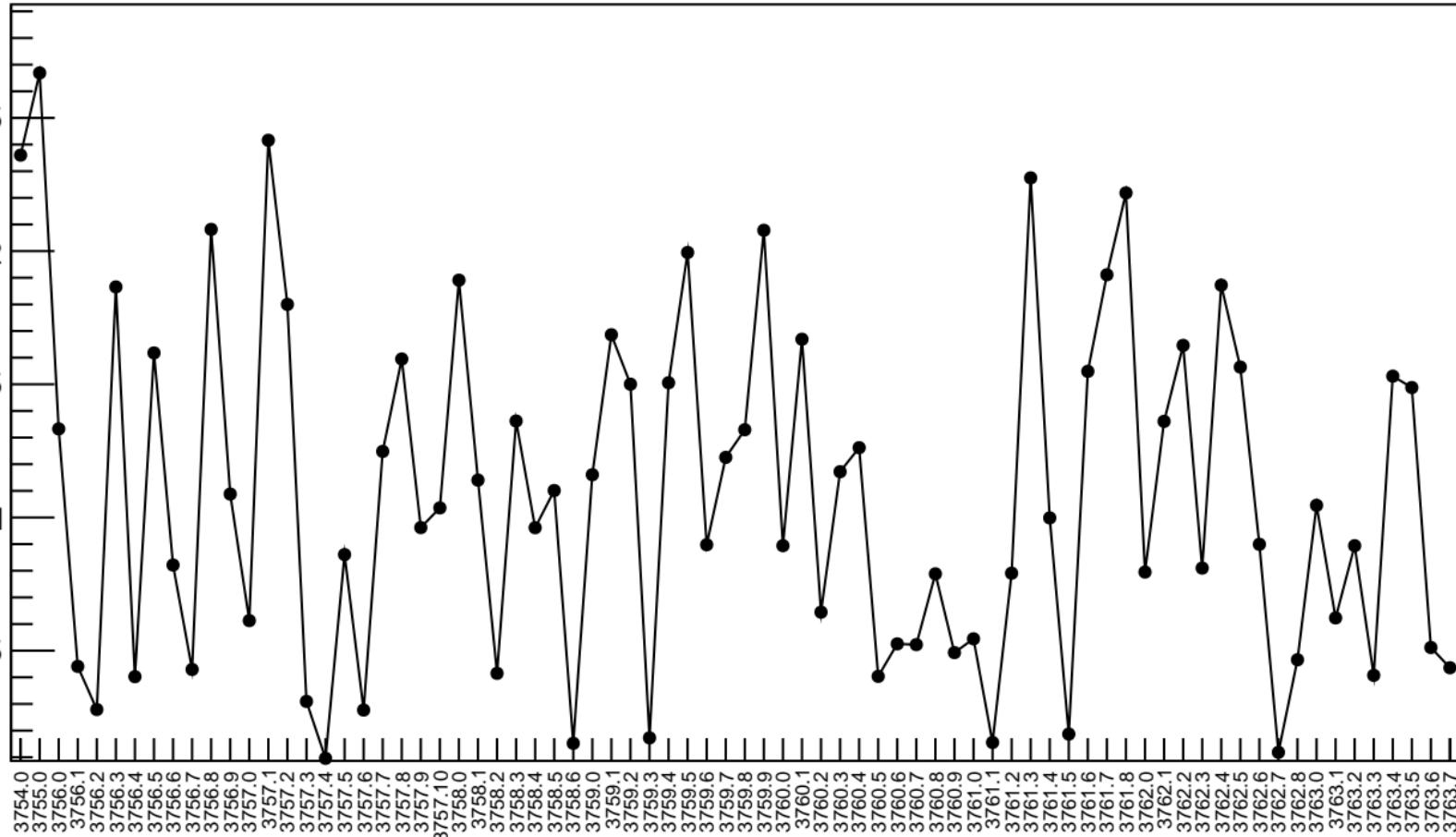


1D pull distribution

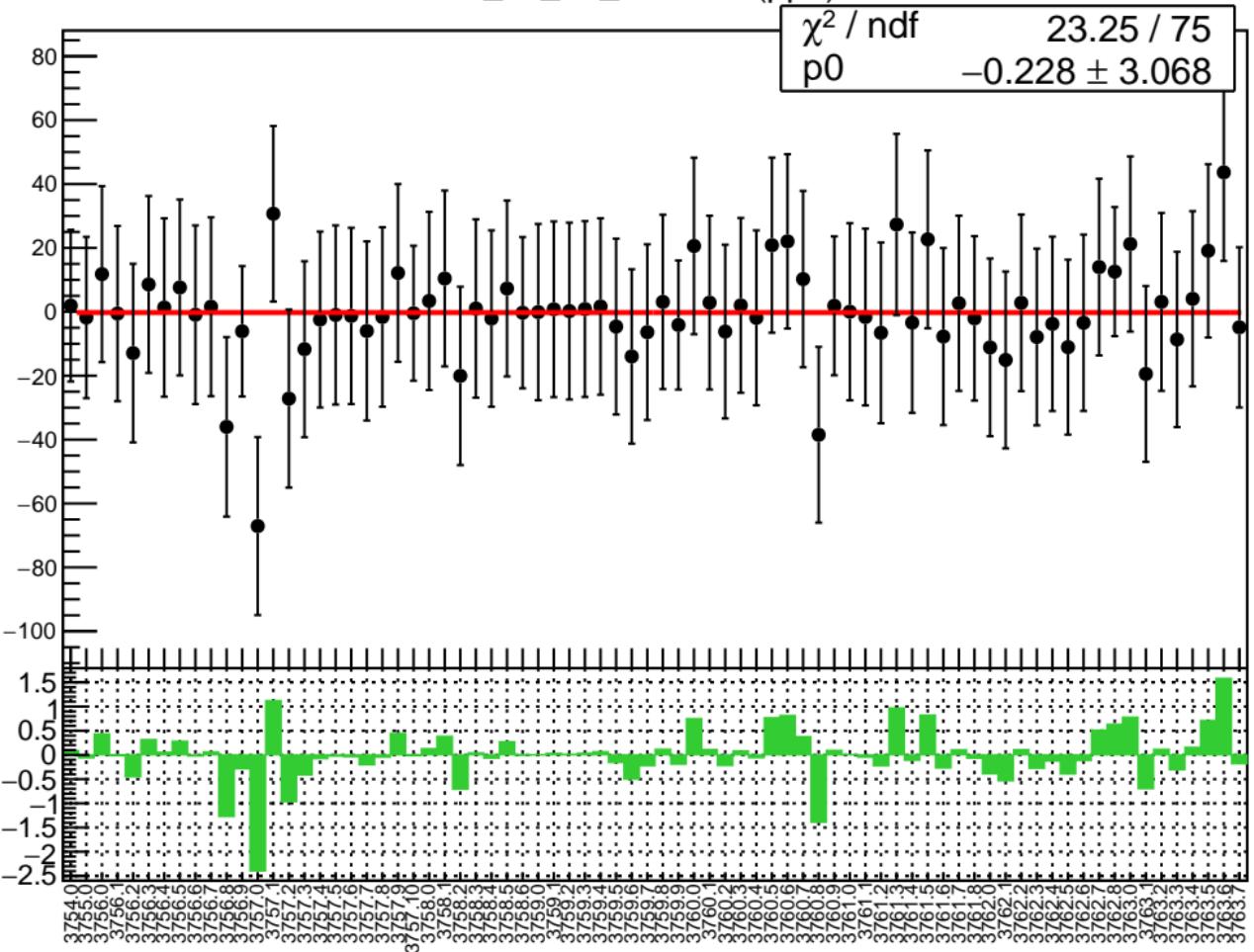


# corr\_us\_dd\_evMon8 RMS (ppm)

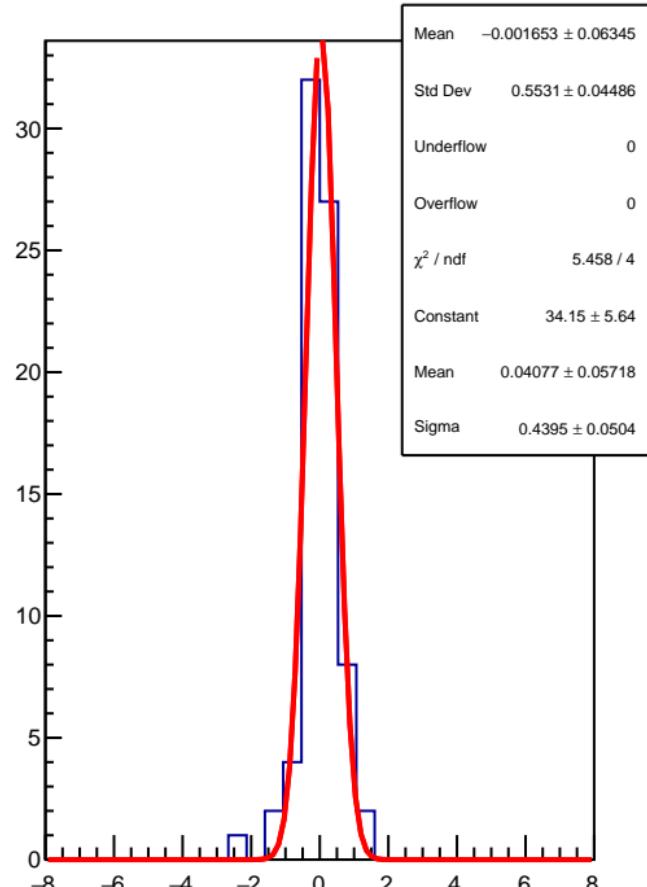
RMS (ppm)



corr\_us\_dd\_evMon9 (ppb)

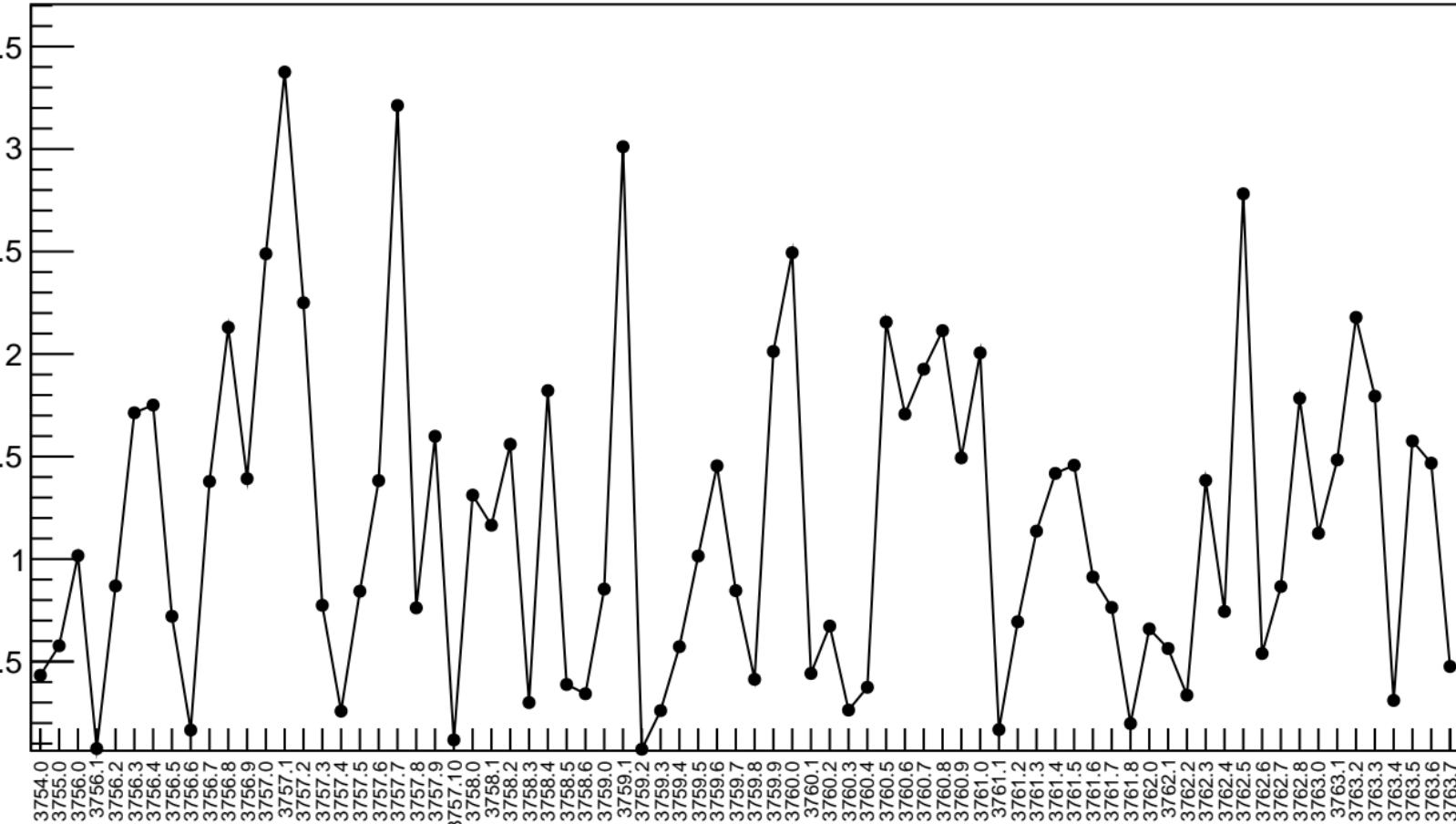


1D pull distribution

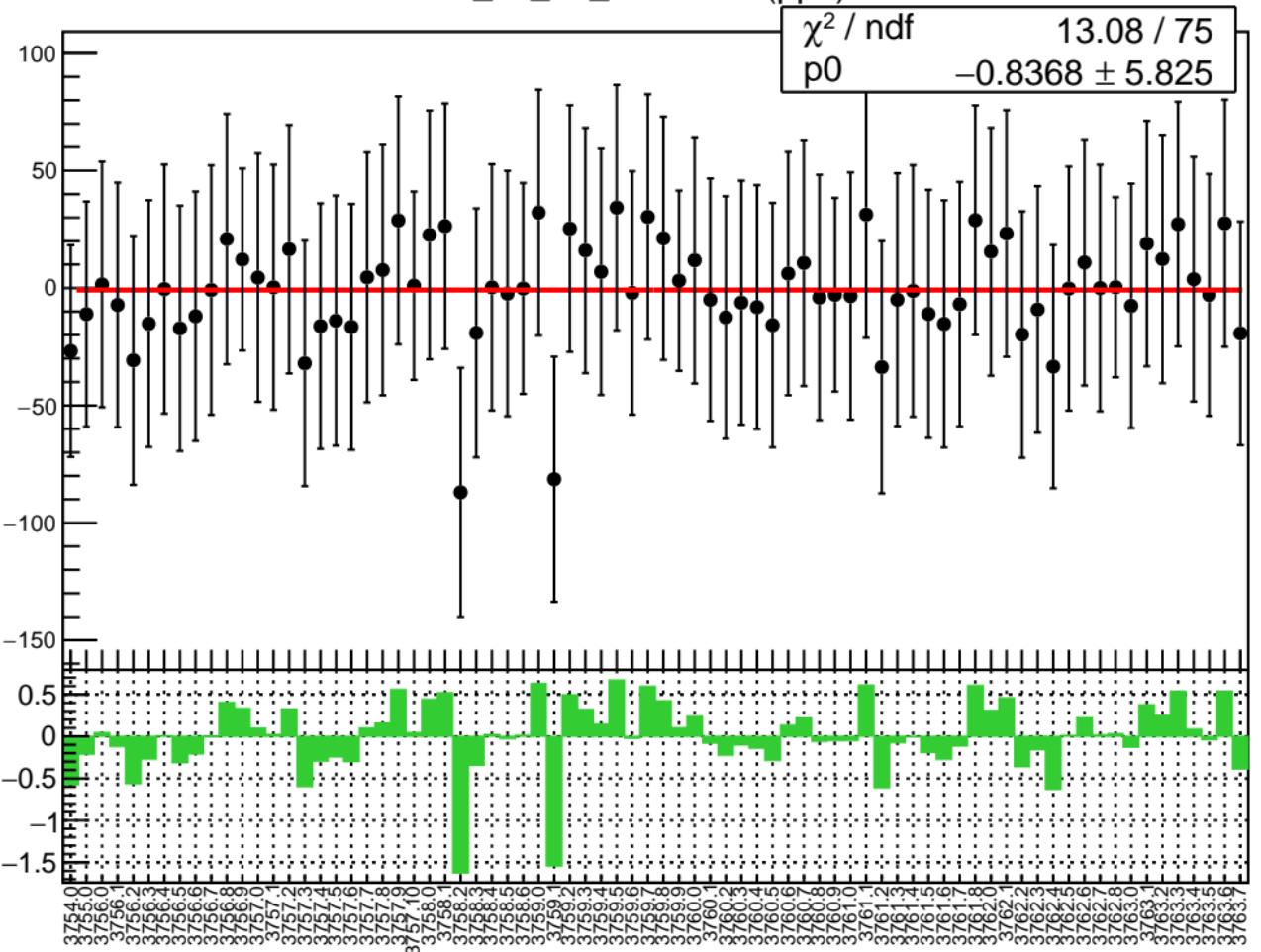


# corr\_us\_dd\_evMon9 RMS (ppm)

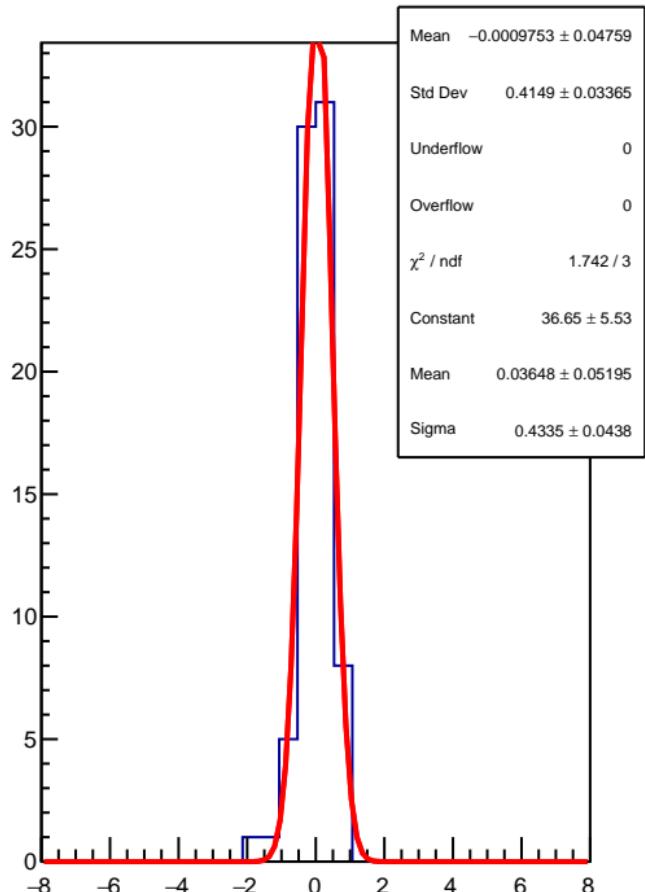
RMS (ppm)



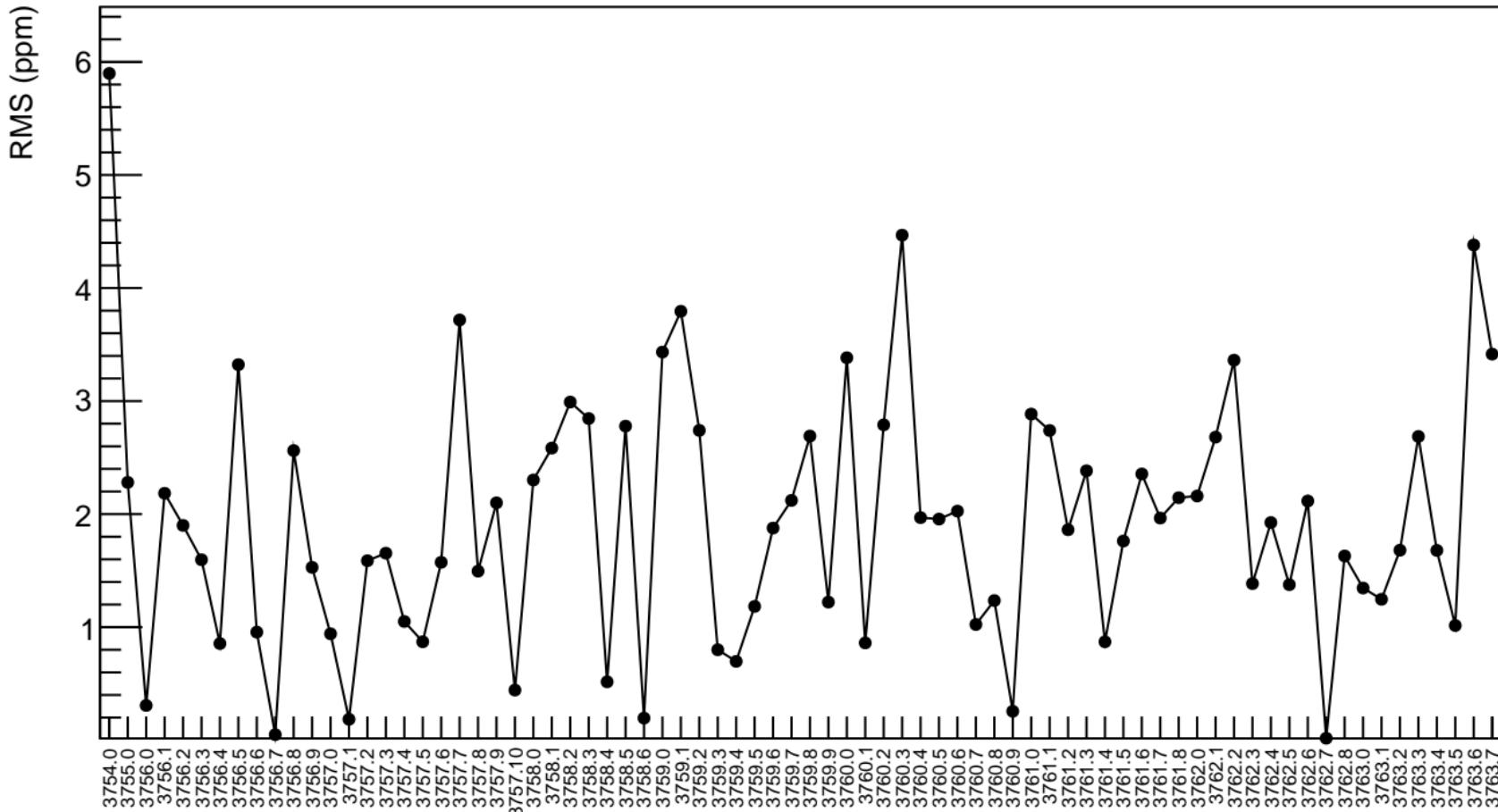
corr\_us\_dd\_evMon10 (ppb)



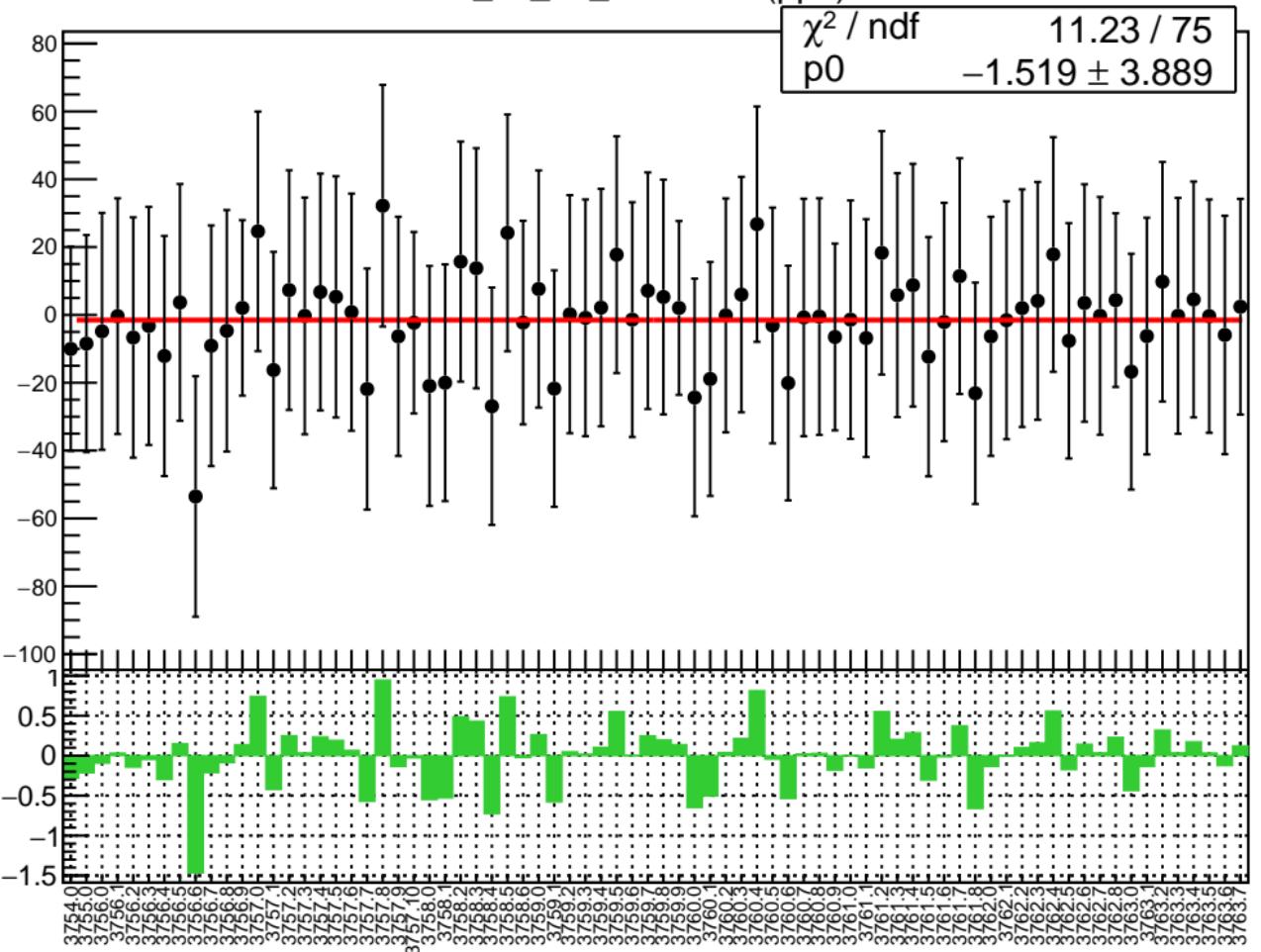
1D pull distribution



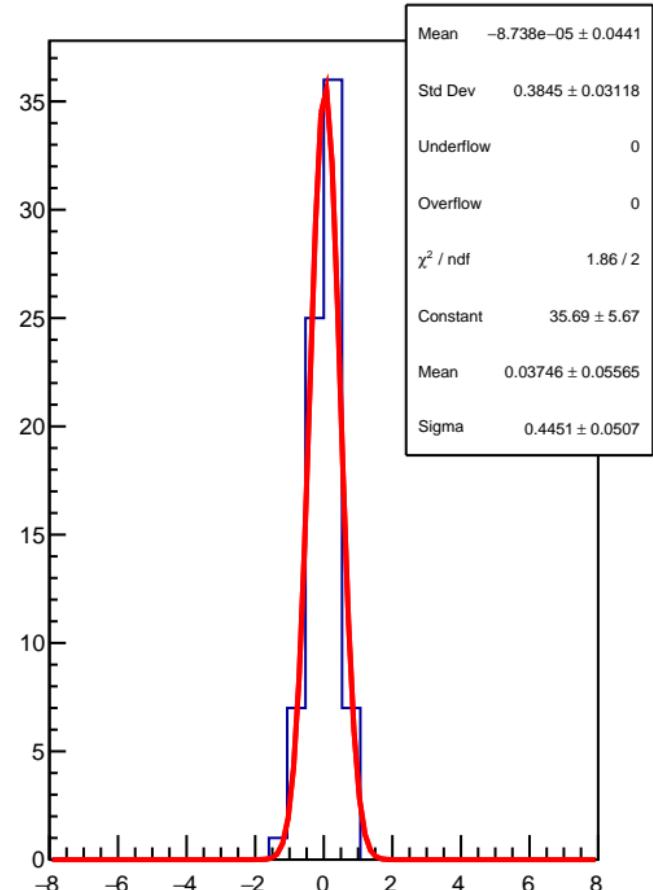
# corr\_us\_dd\_evMon10 RMS (ppm)



corr\_us\_dd\_evMon11 (ppb)

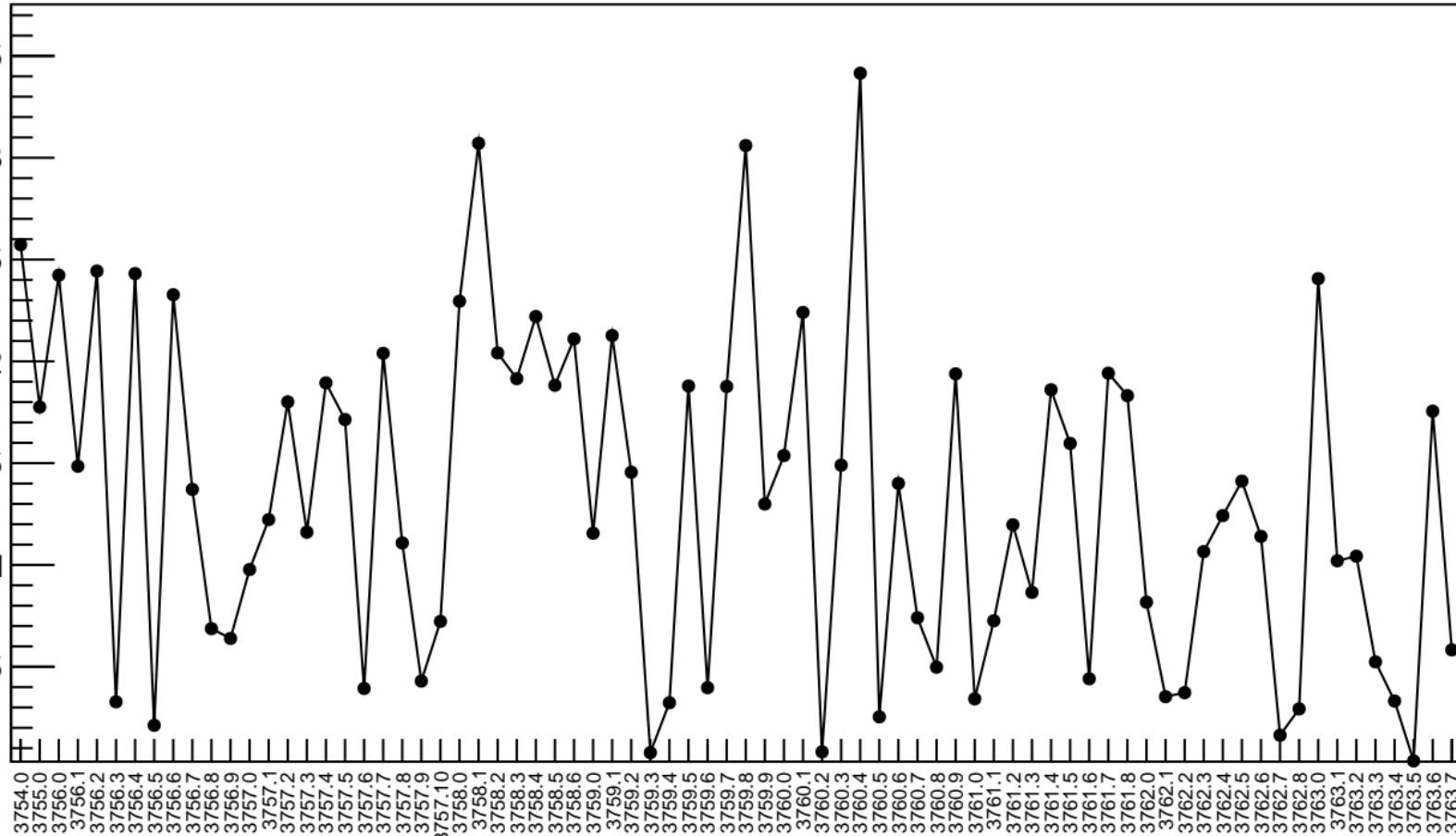


1D pull distribution

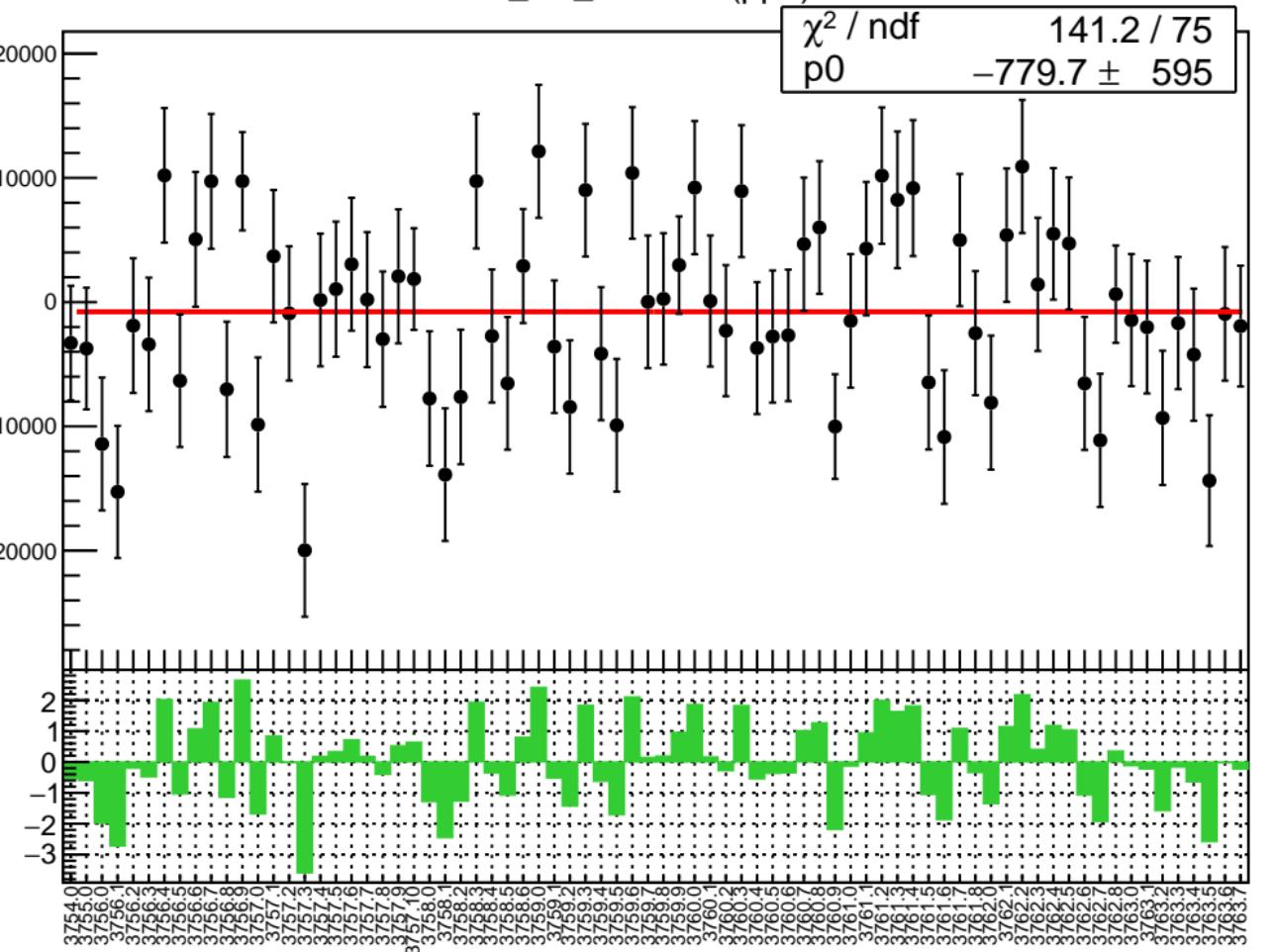


# corr\_us\_dd\_evMon11 RMS (ppm)

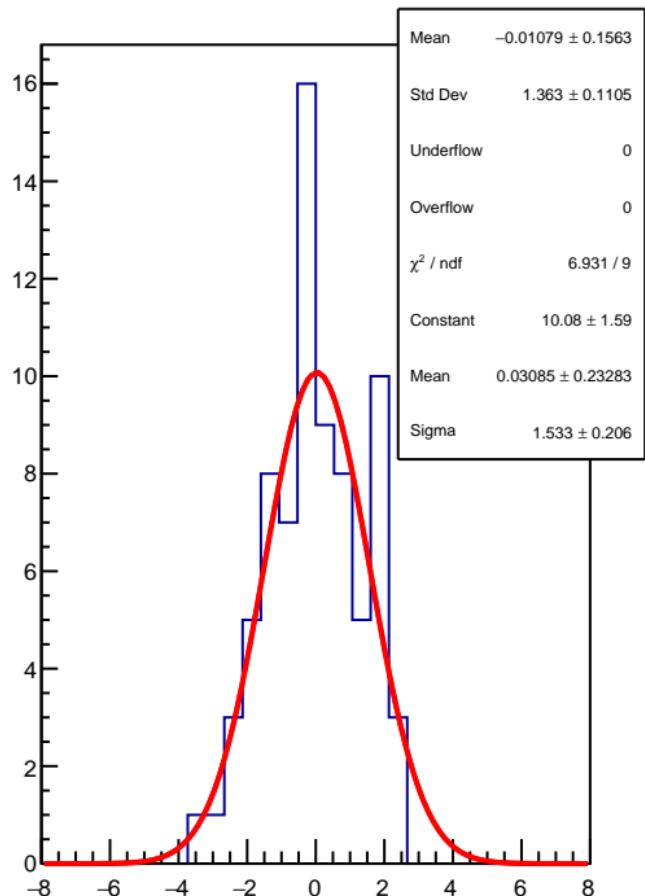
RMS (ppm)



corr\_usl\_evMon0 (ppb)

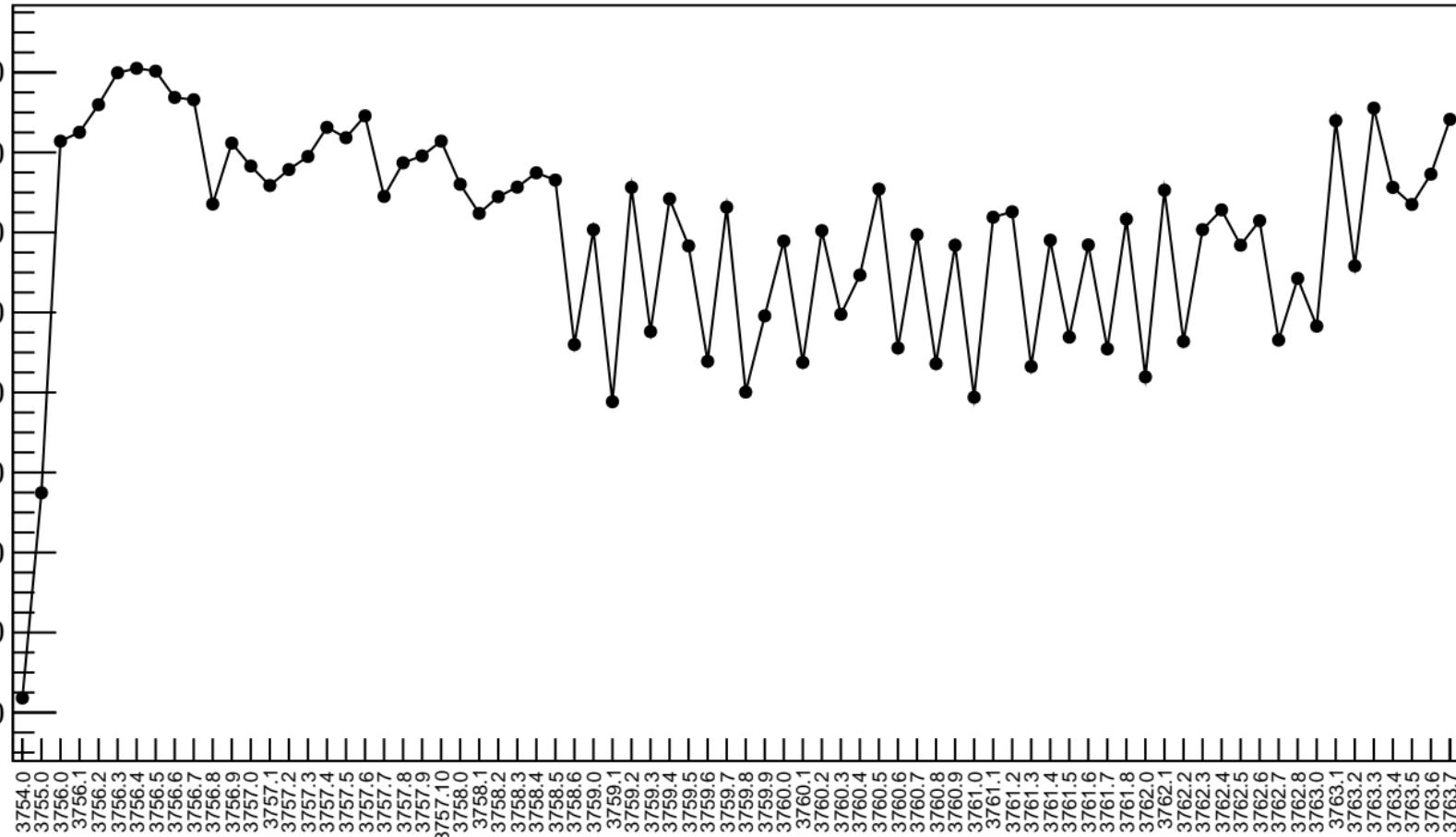


1D pull distribution

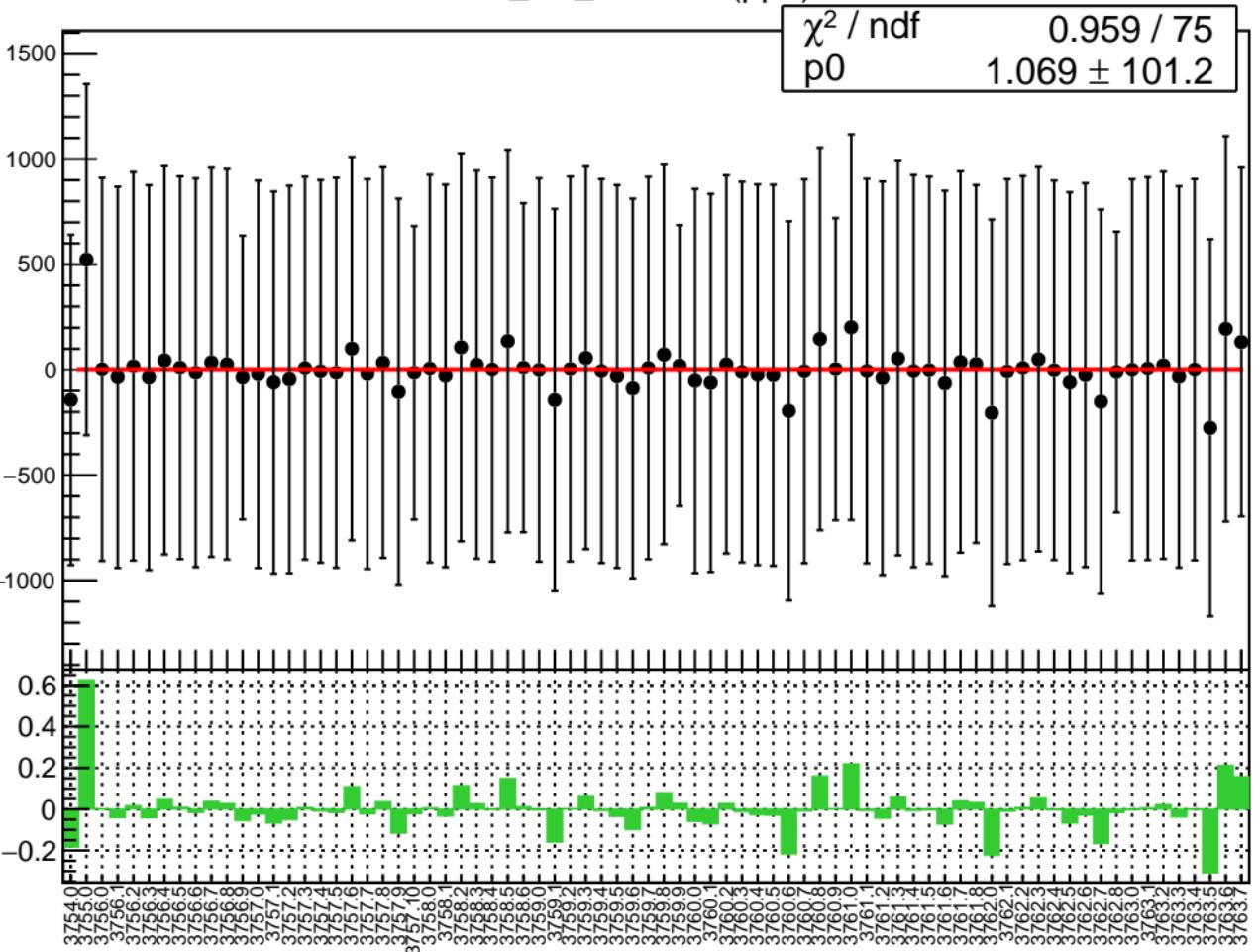


# corr\_usl\_evMon0 RMS (ppm)

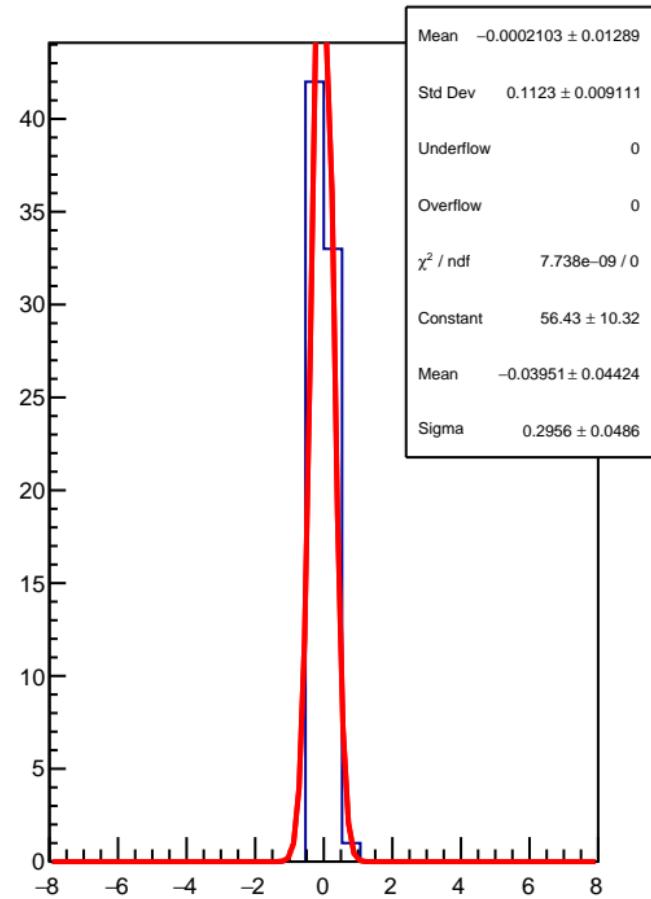
RMS (ppm)



corr\_usl\_evMon1 (ppb)

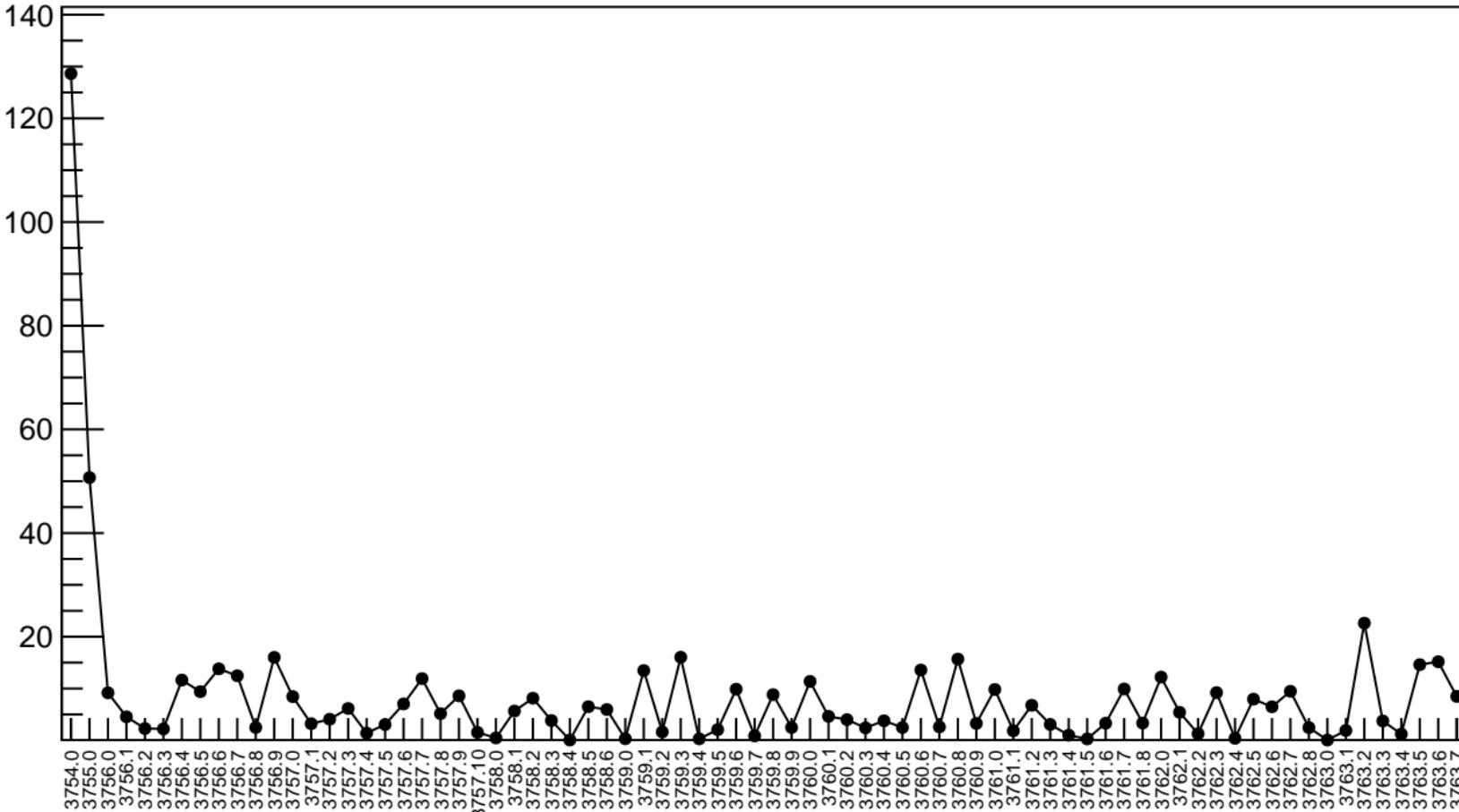


1D pull distribution

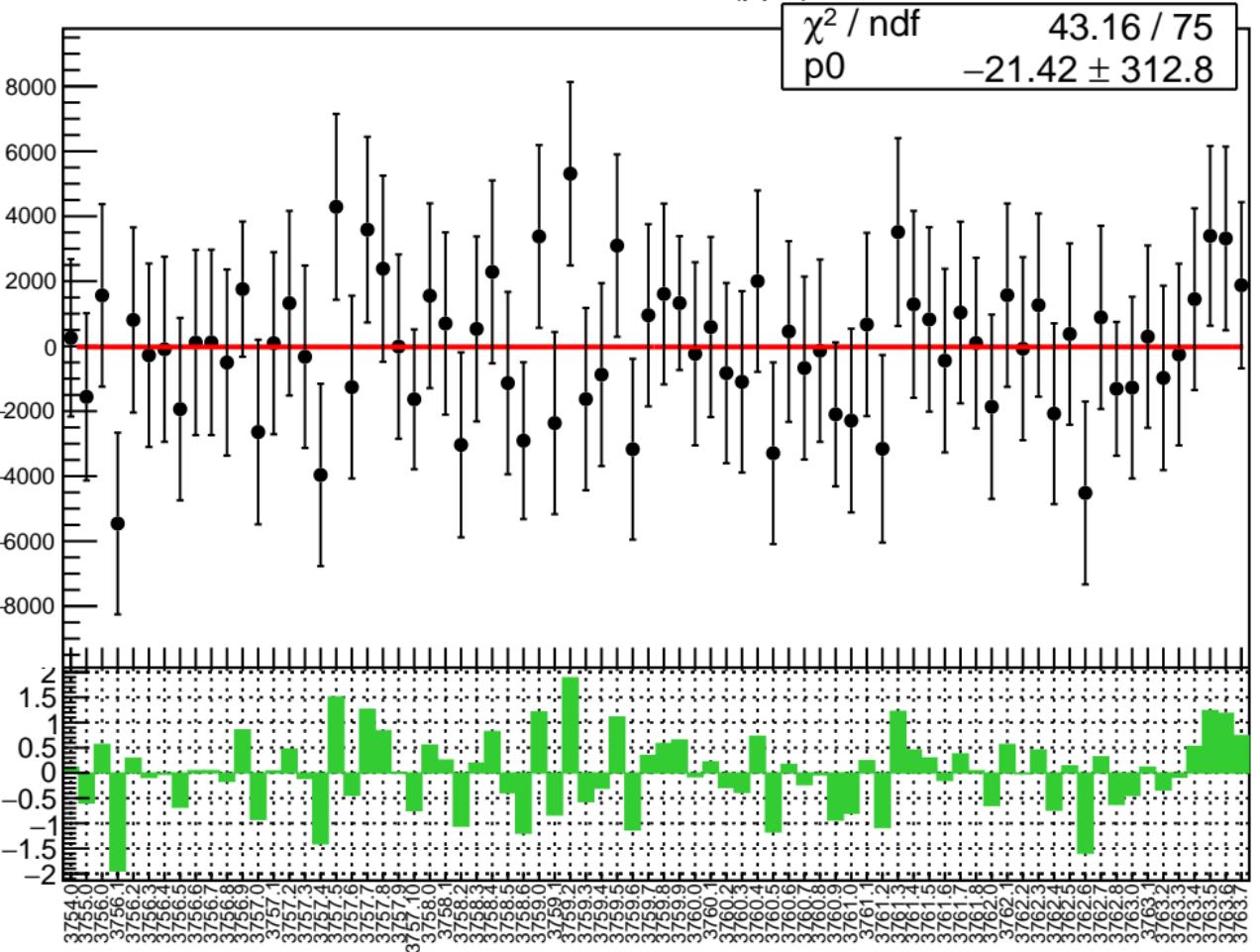


# corr\_usl\_evMon1 RMS (ppm)

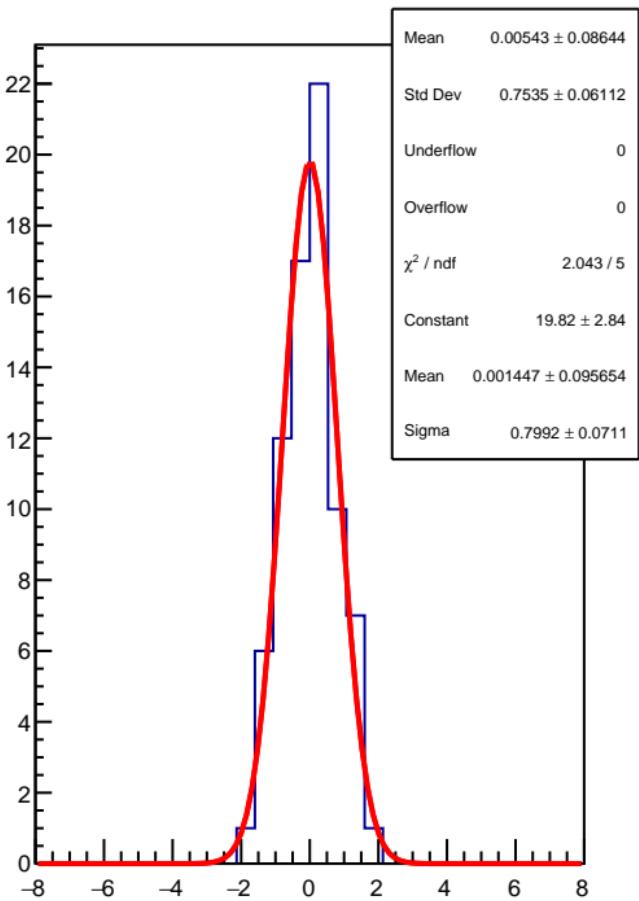
RMS (ppm)



corr\_usl\_evMon2 (ppb)

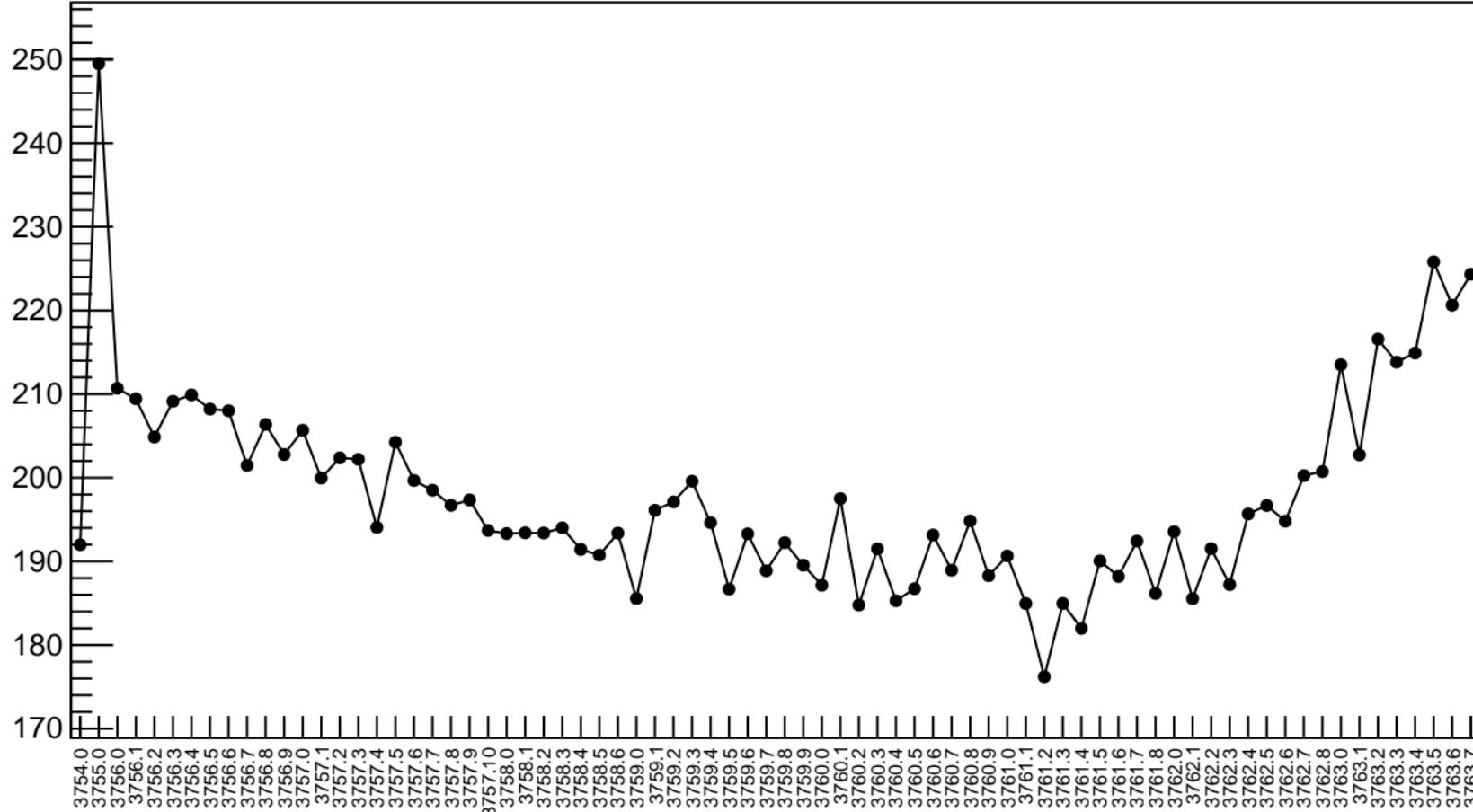


1D pull distribution

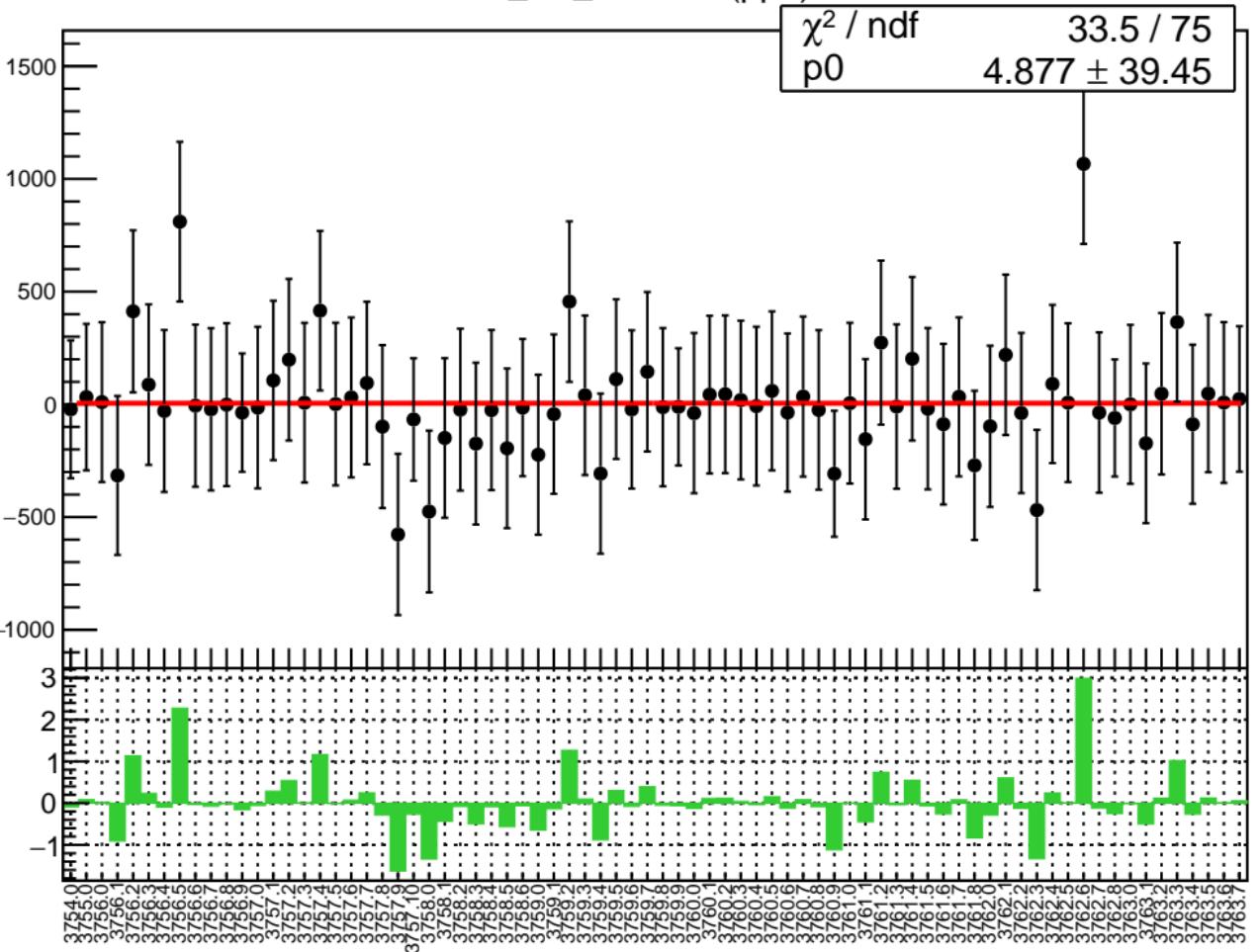


# corr\_usl\_evMon2 RMS (ppm)

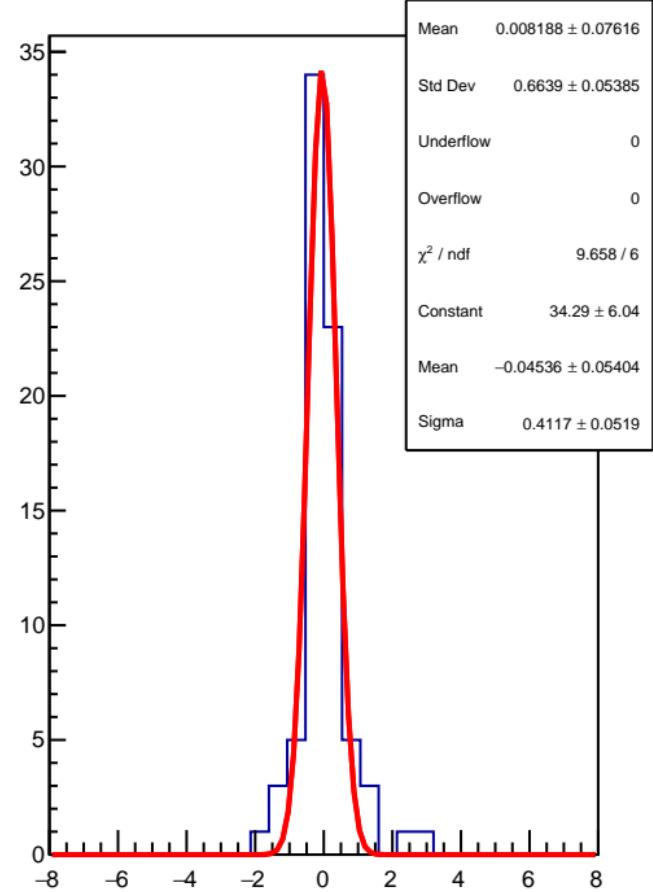
RMS (ppm)



corr\_usl\_evMon3 (ppb)

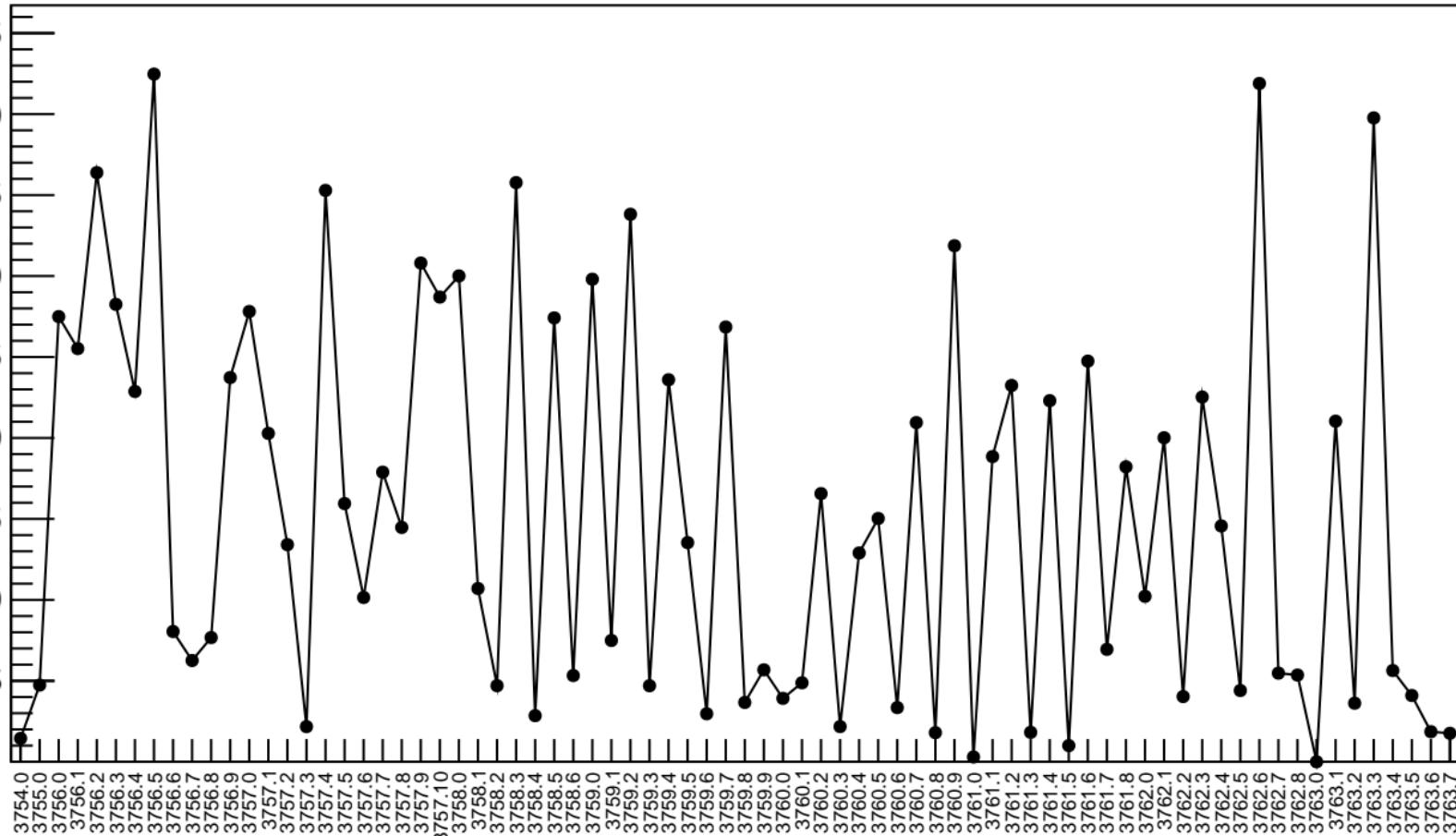


1D pull distribution

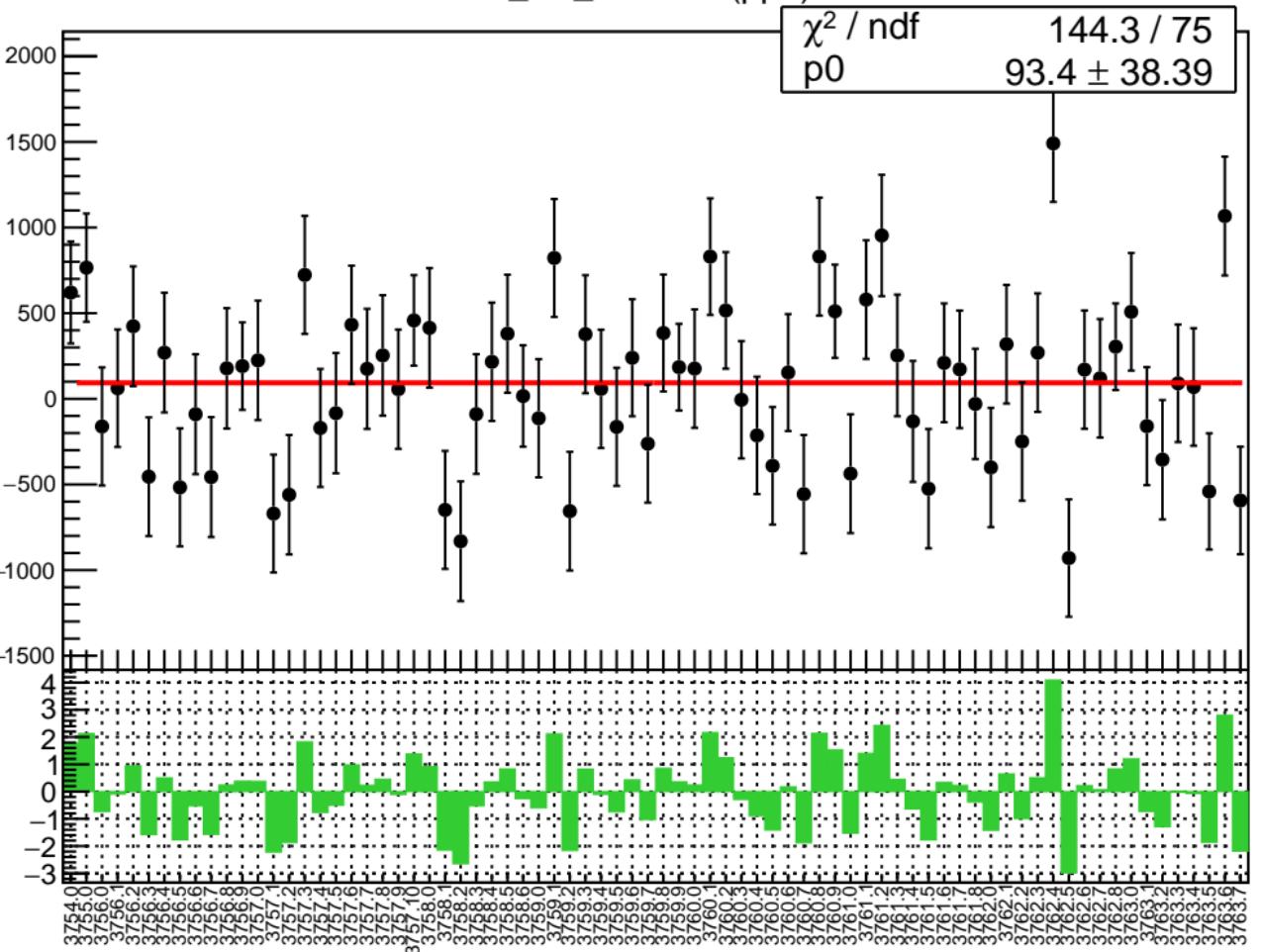


# corr\_usl\_evMon3 RMS (ppm)

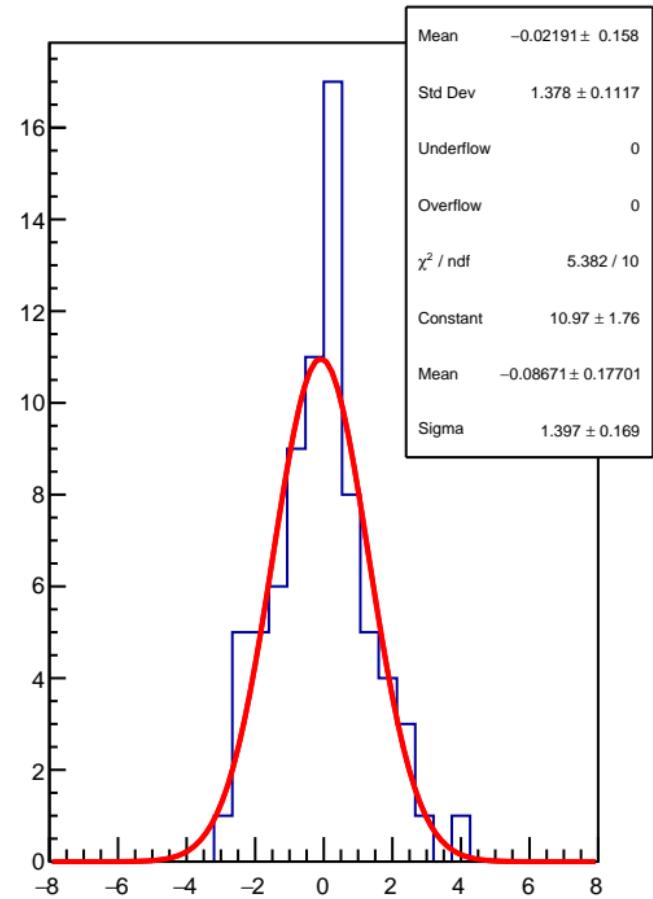
RMS (ppm)



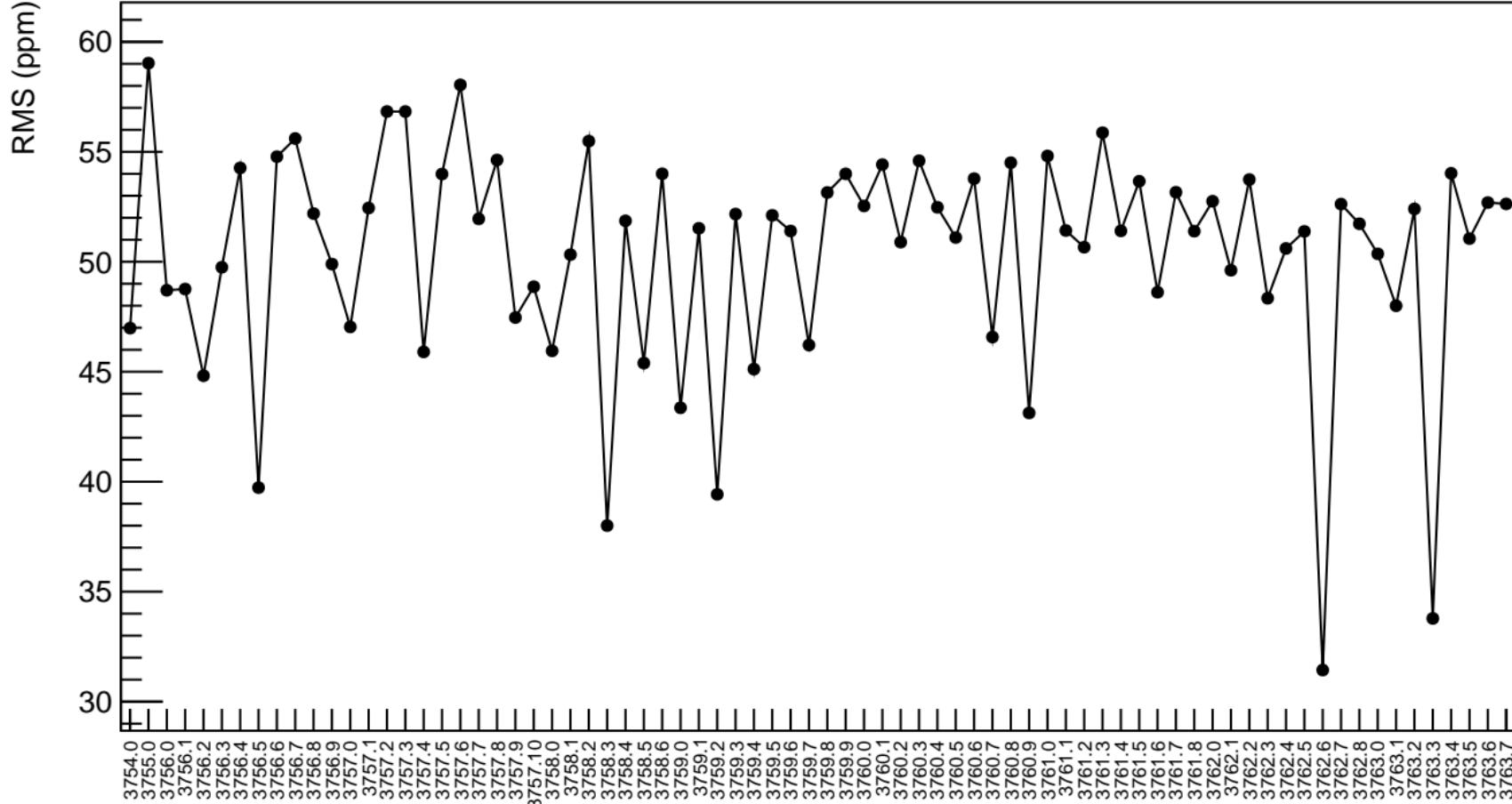
corr\_usl\_evMon4 (ppb)



1D pull distribution

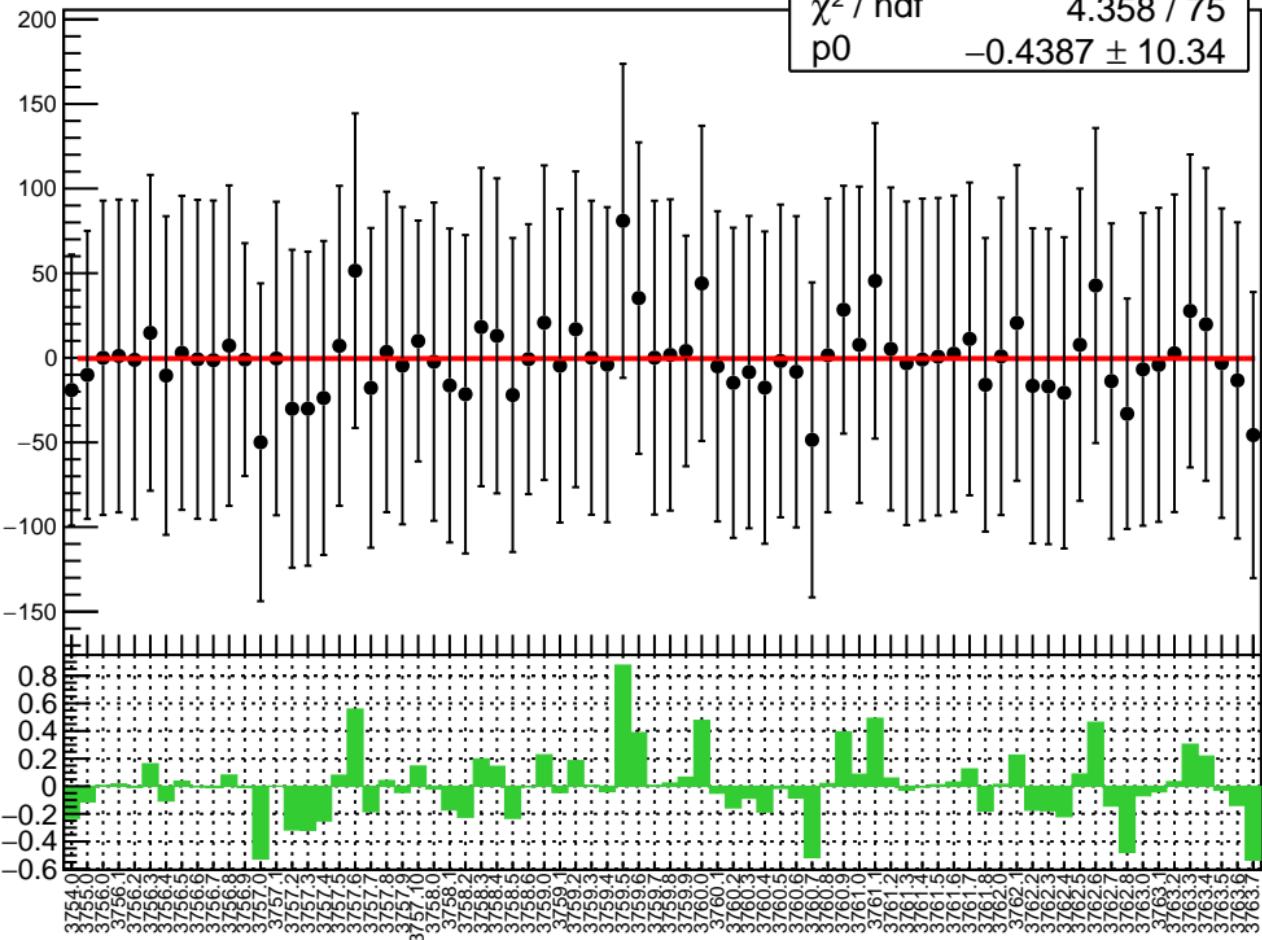


# corr\_usl\_evMon4 RMS (ppm)

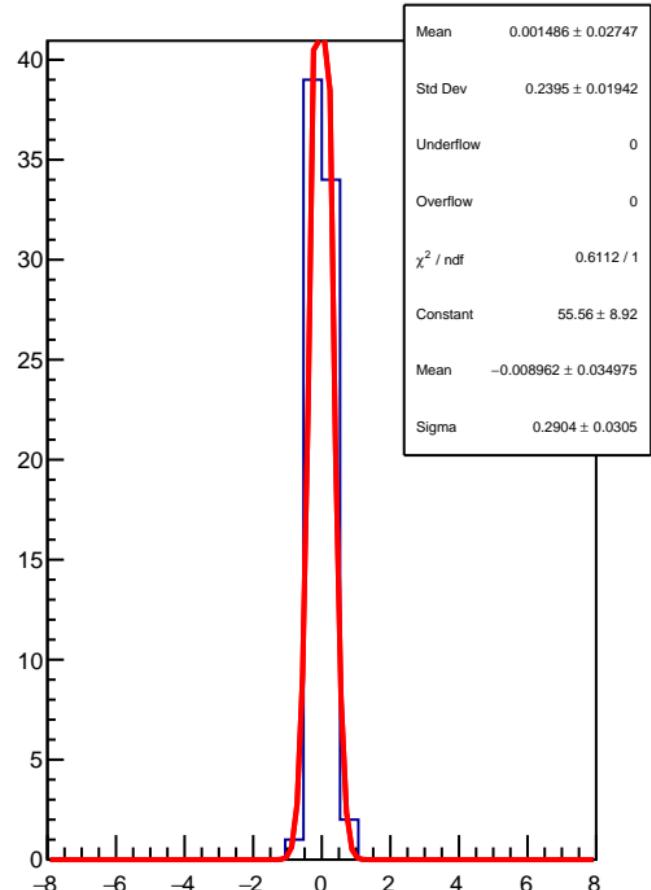


corr\_usl\_evMon5 (ppb)

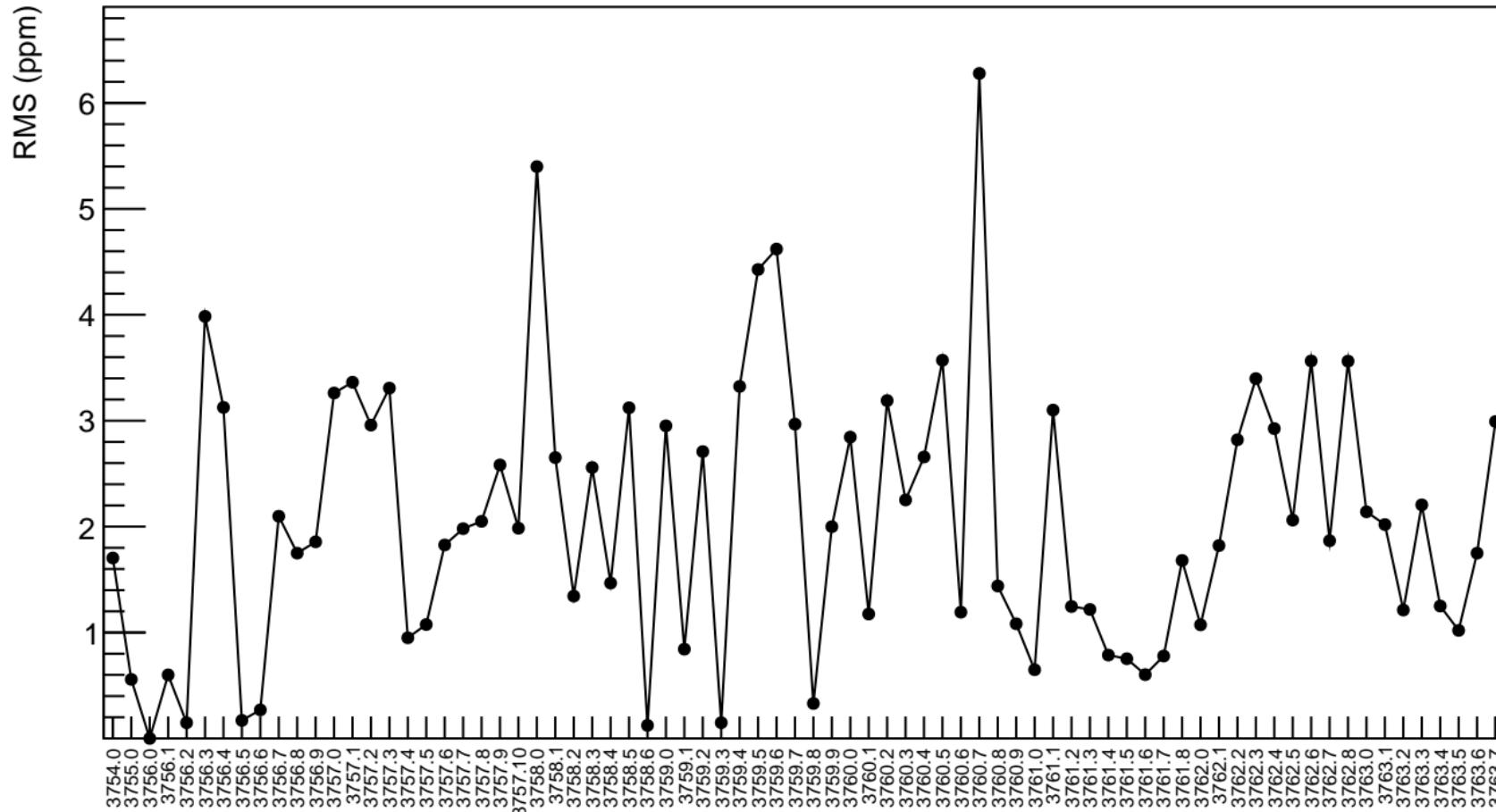
$\chi^2 / \text{ndf}$  4.358 / 75  
 $p_0$   $-0.4387 \pm 10.34$



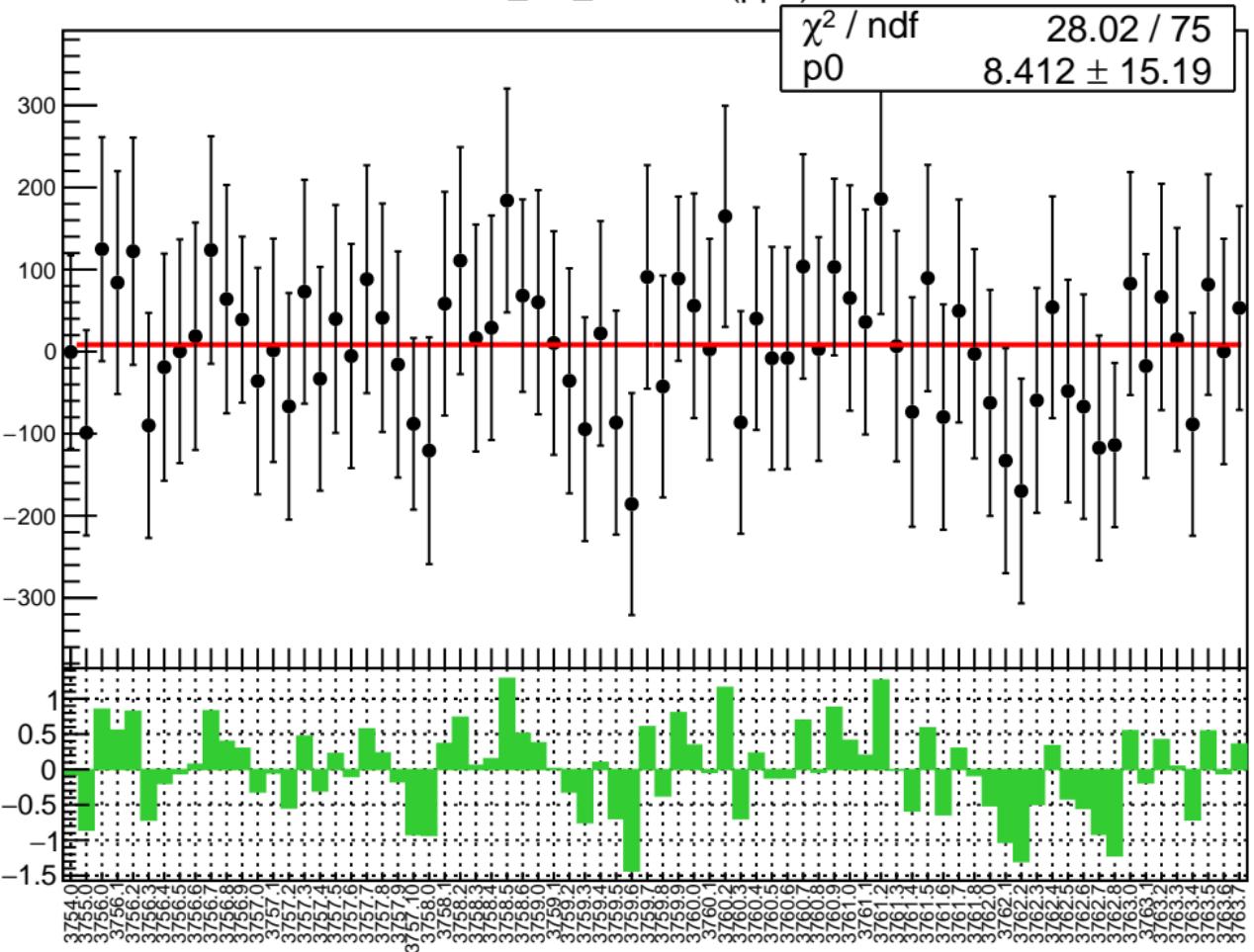
1D pull distribution



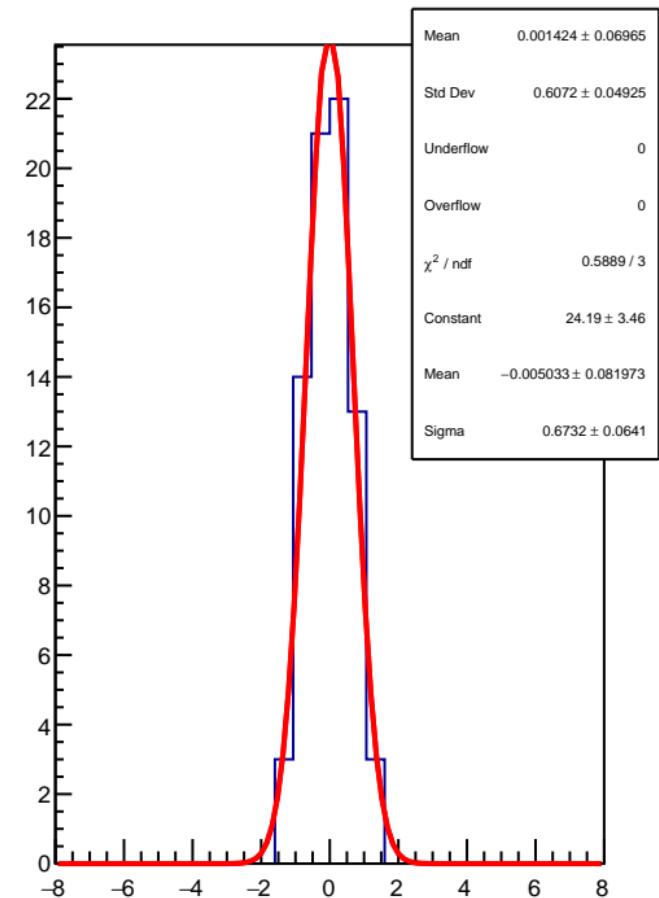
# corr\_usl\_evMon5 RMS (ppm)



corr\_usl\_evMon6 (ppb)

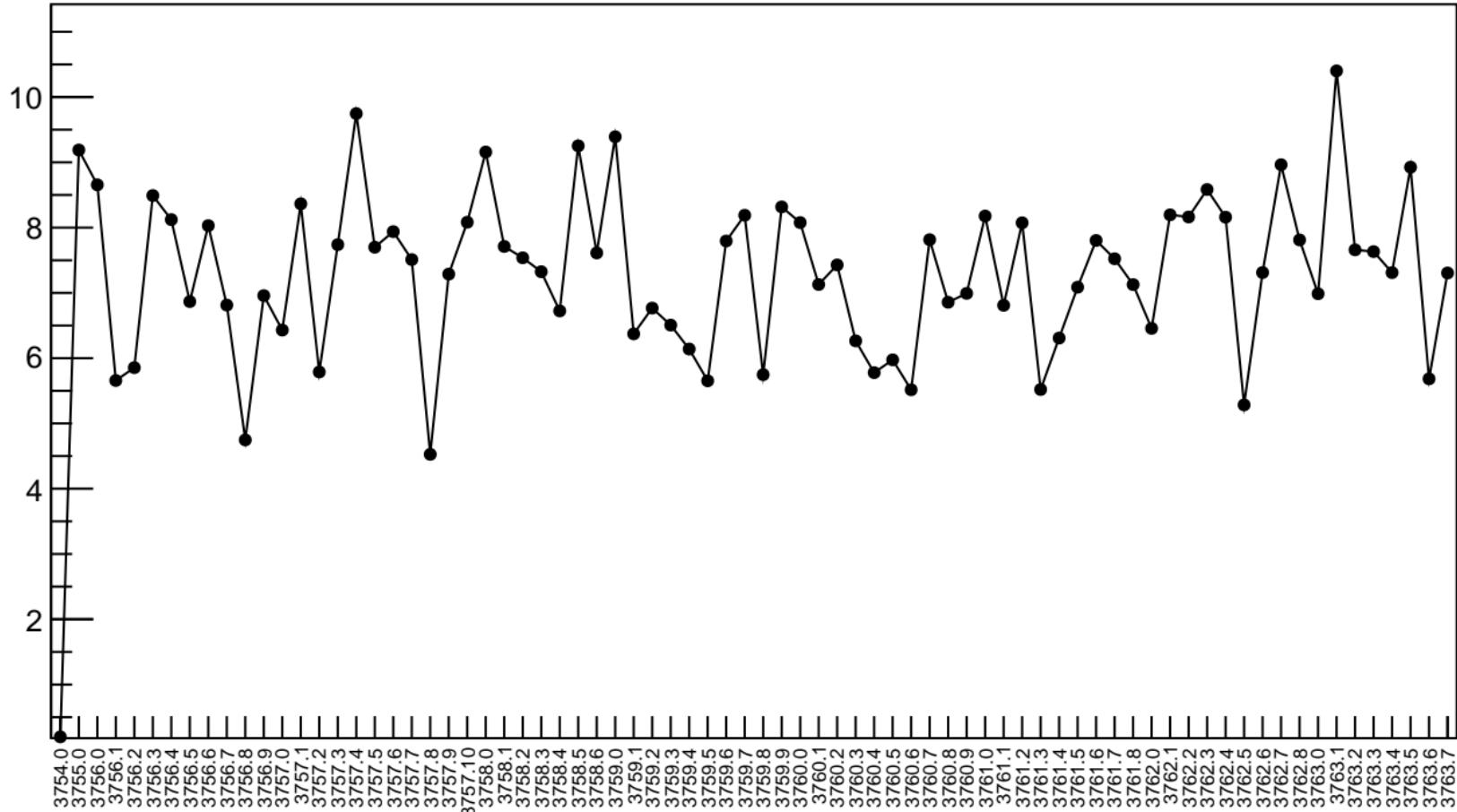


1D pull distribution



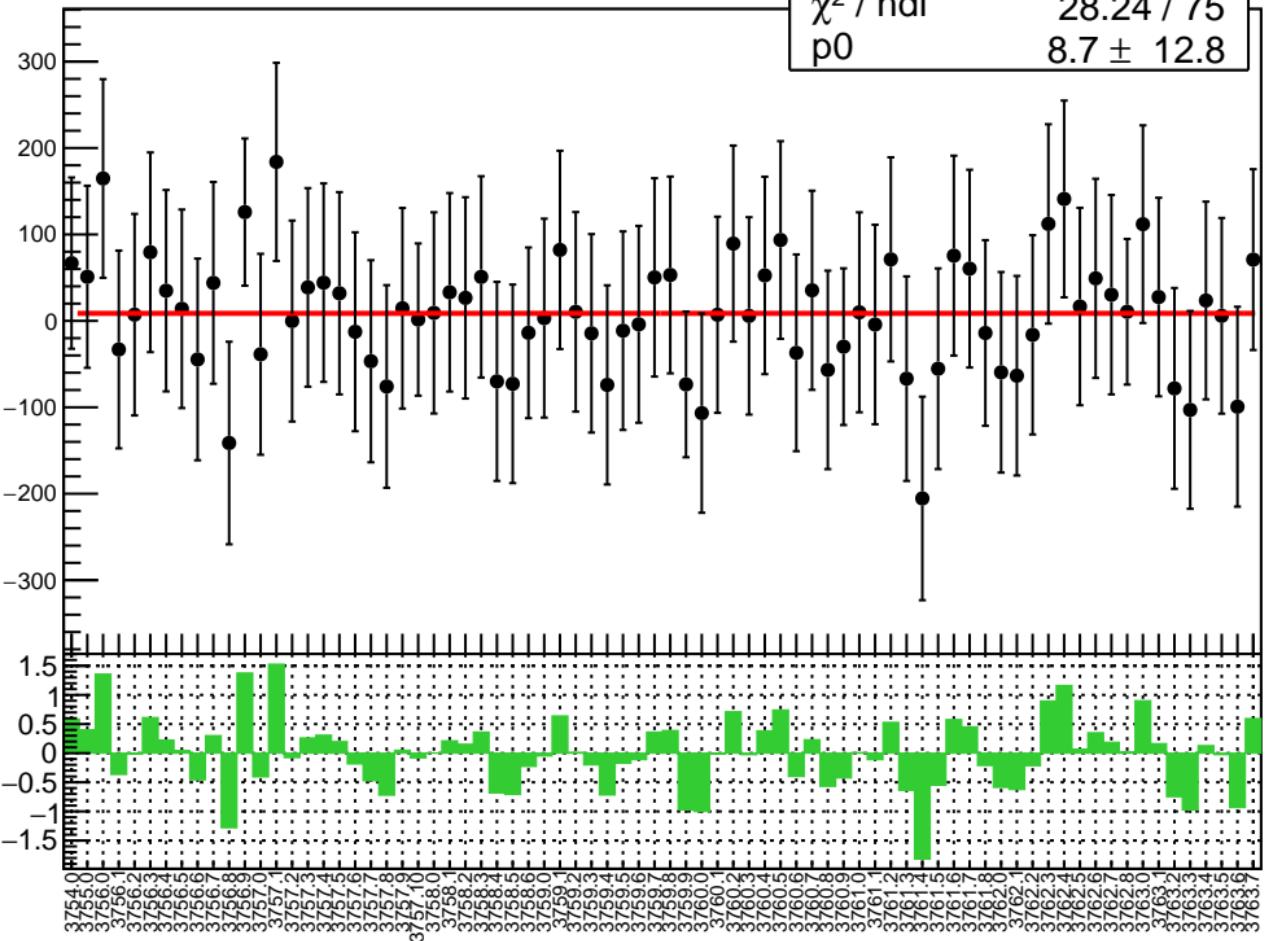
# corr\_usl\_evMon6 RMS (ppm)

RMS (ppm)

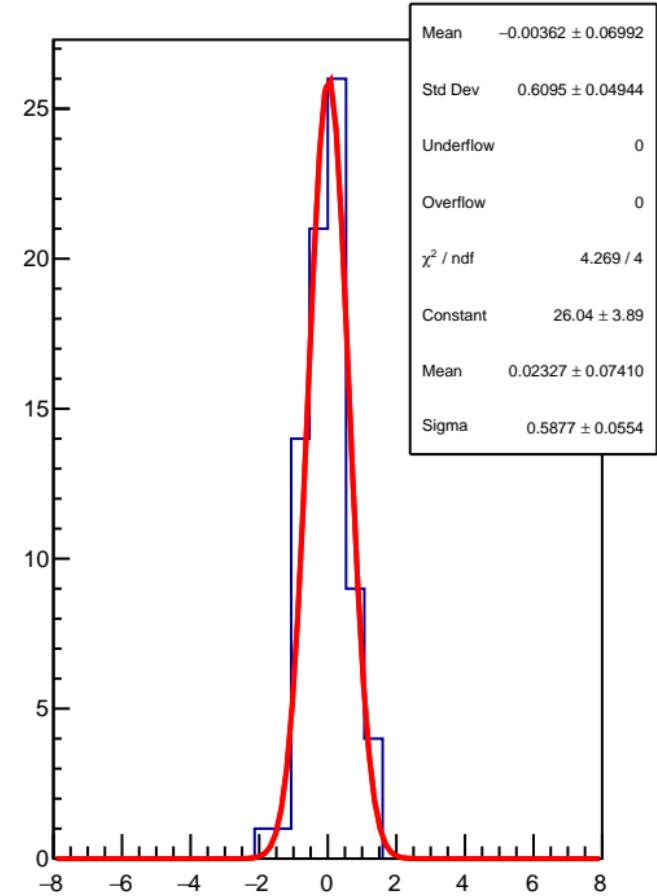


corr\_usl\_evMon7 (ppb)

$\chi^2 / \text{ndf}$  28.24 / 75  
 $p_0$   $8.7 \pm 12.8$

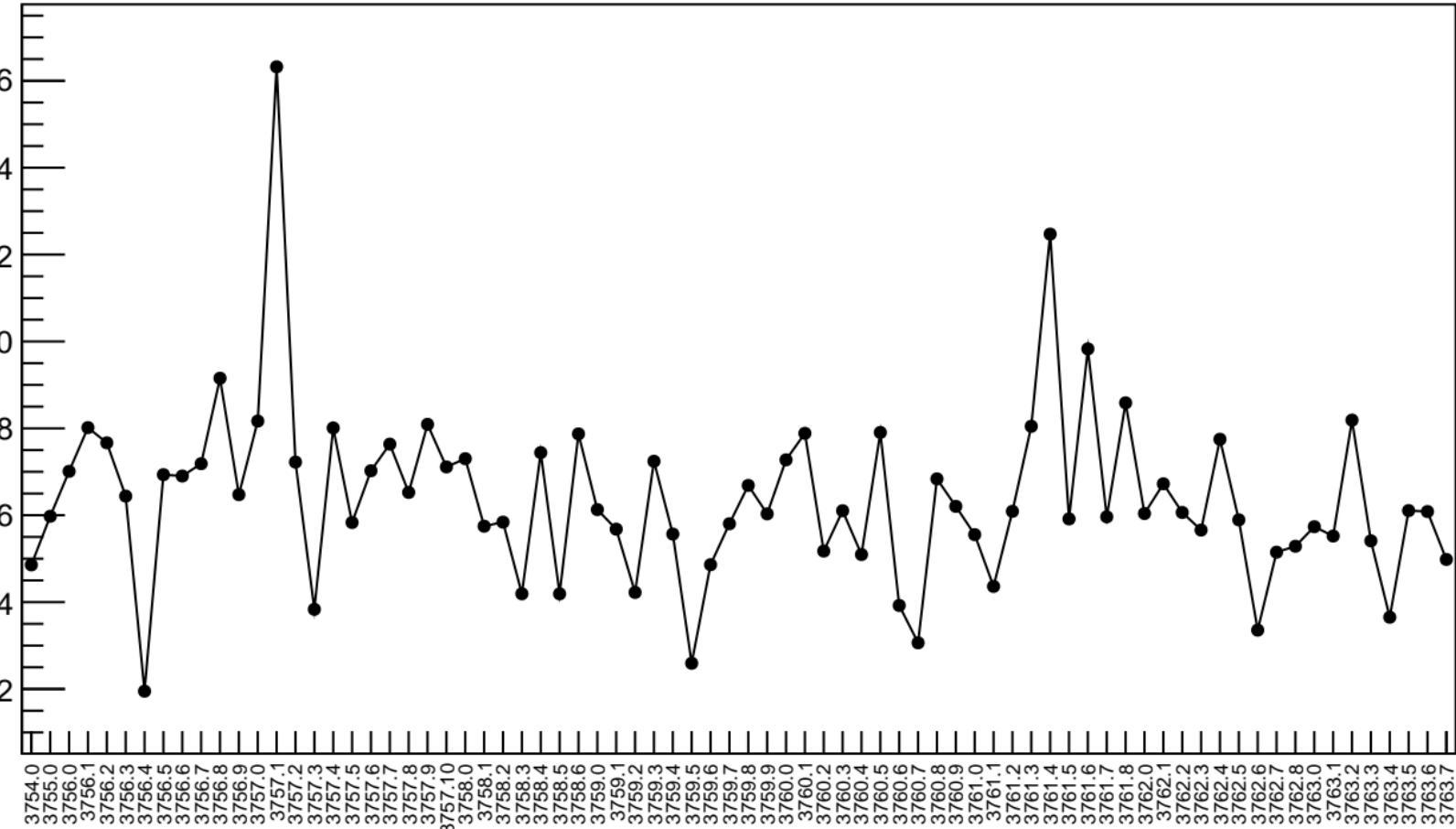


1D pull distribution



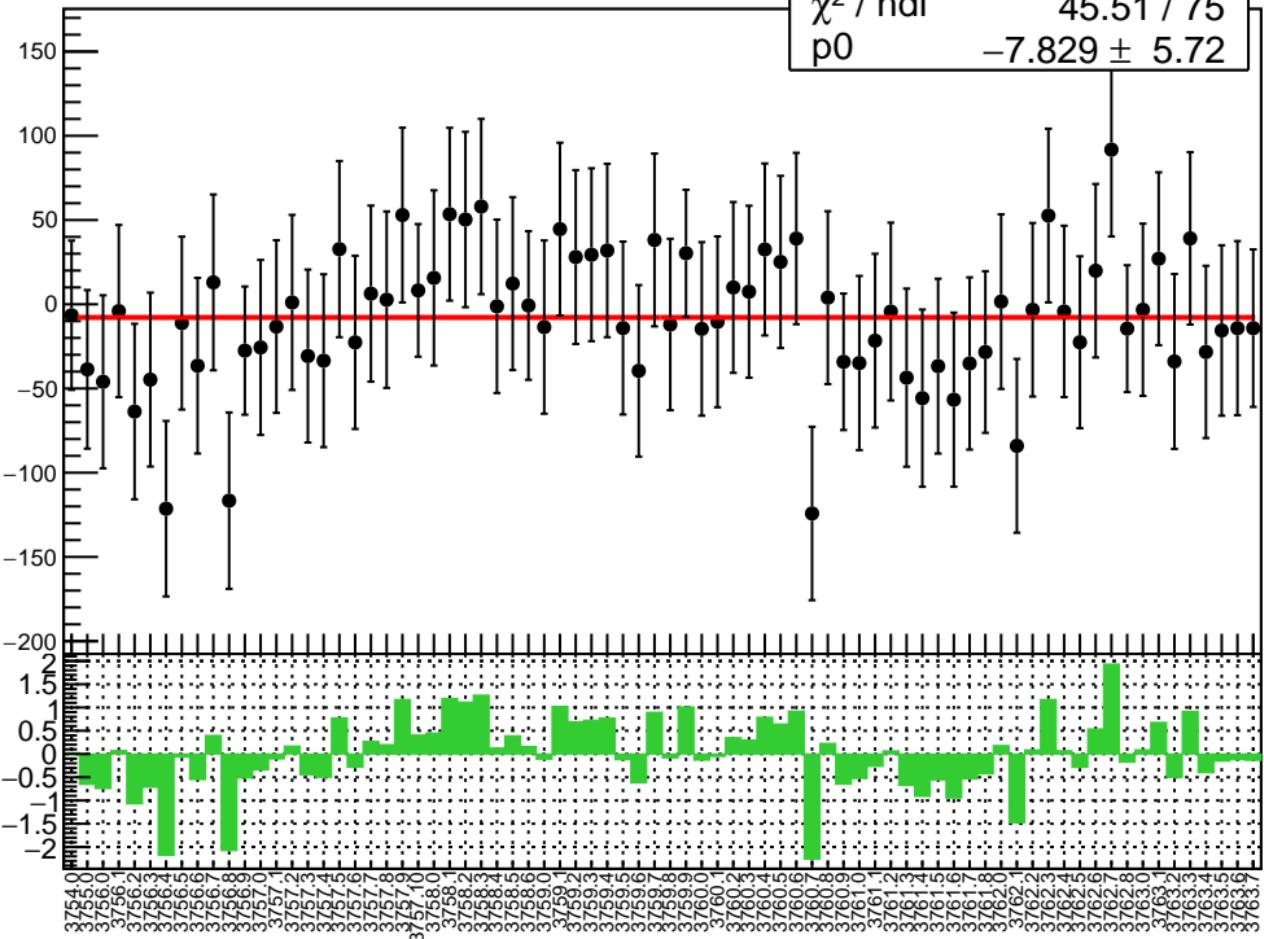
# corr\_usl\_evMon7 RMS (ppm)

RMS (ppm)

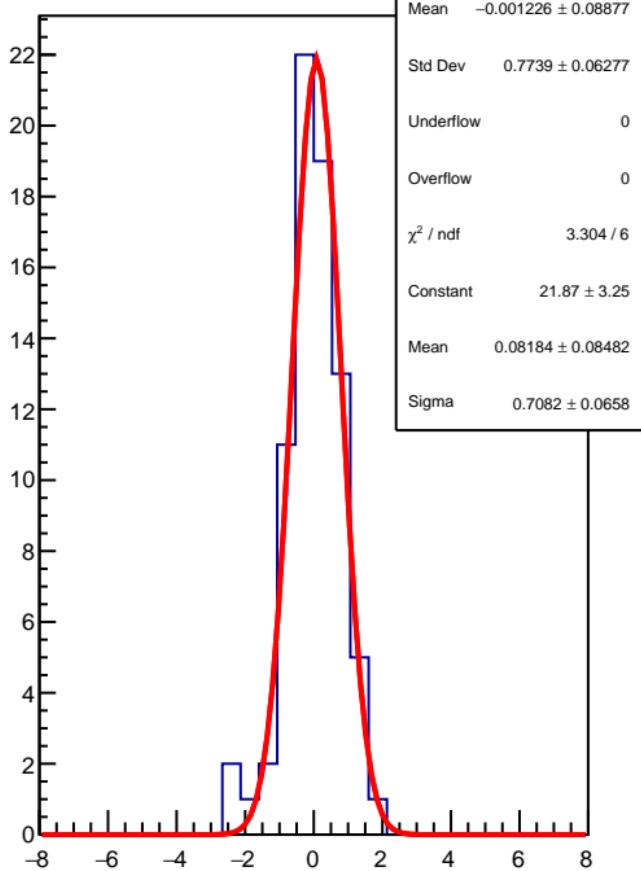


corr\_usl\_evMon8 (ppb)

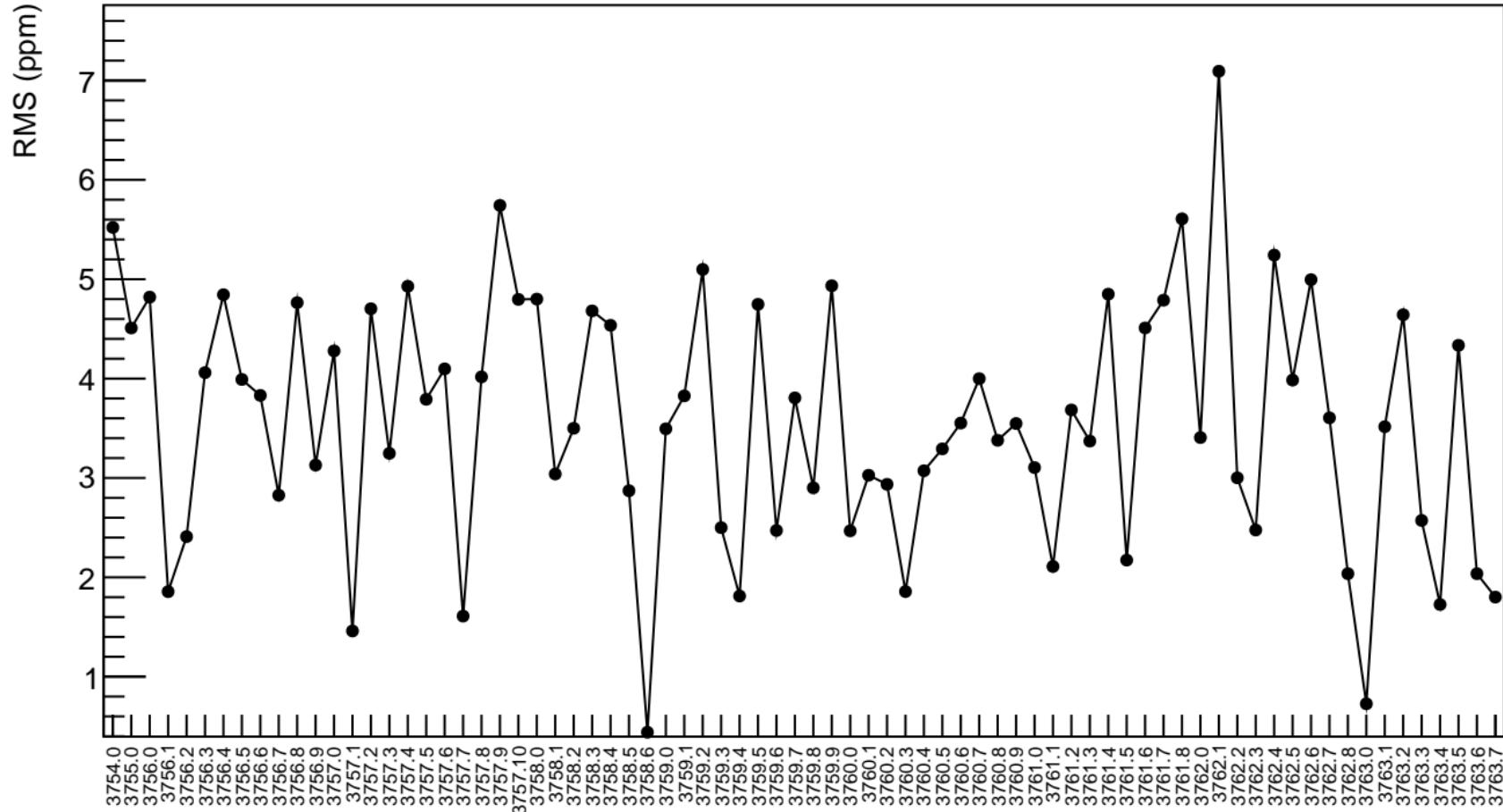
$\chi^2 / \text{ndf}$  45.51 / 75  
 $p_0$   $-7.829 \pm 5.72$



1D pull distribution

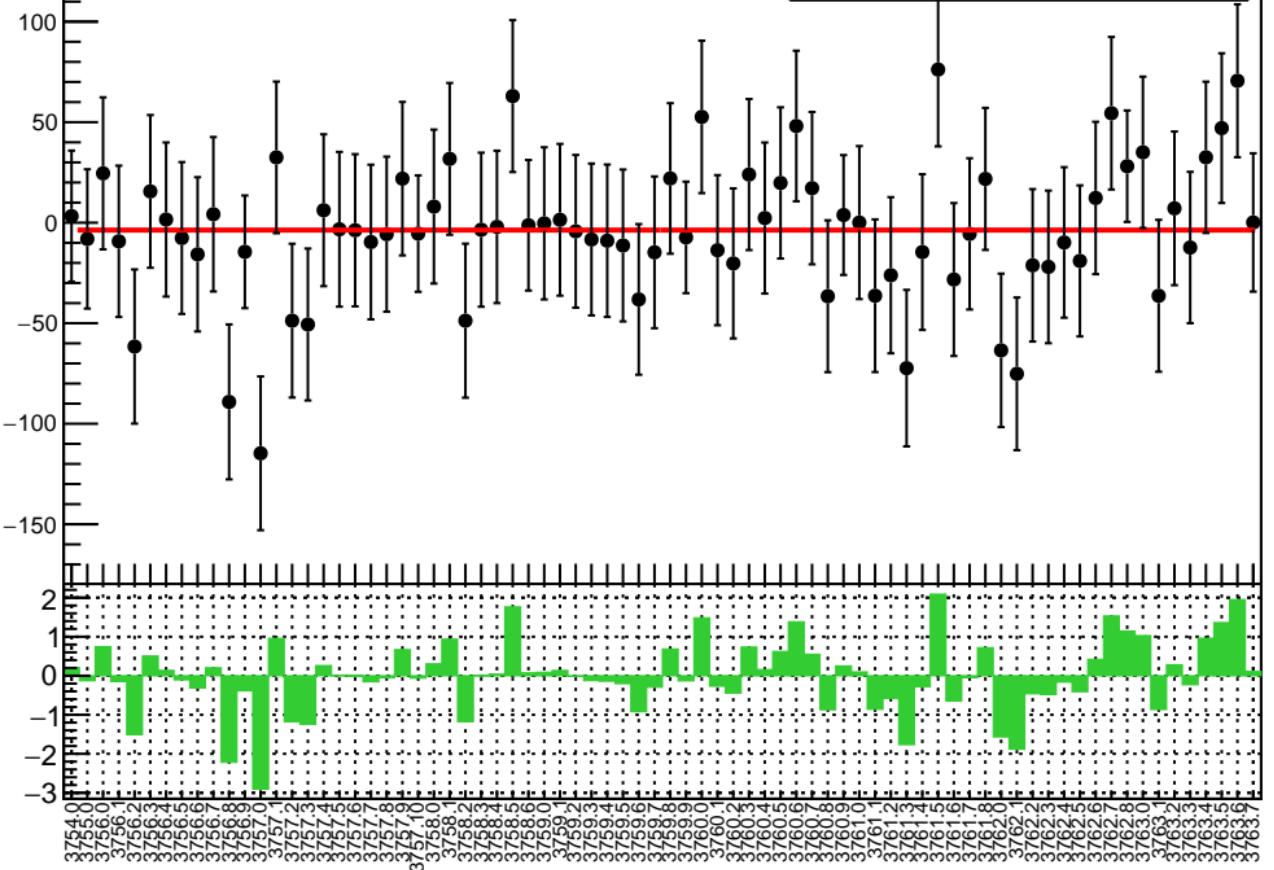


# corr\_usl\_evMon8 RMS (ppm)

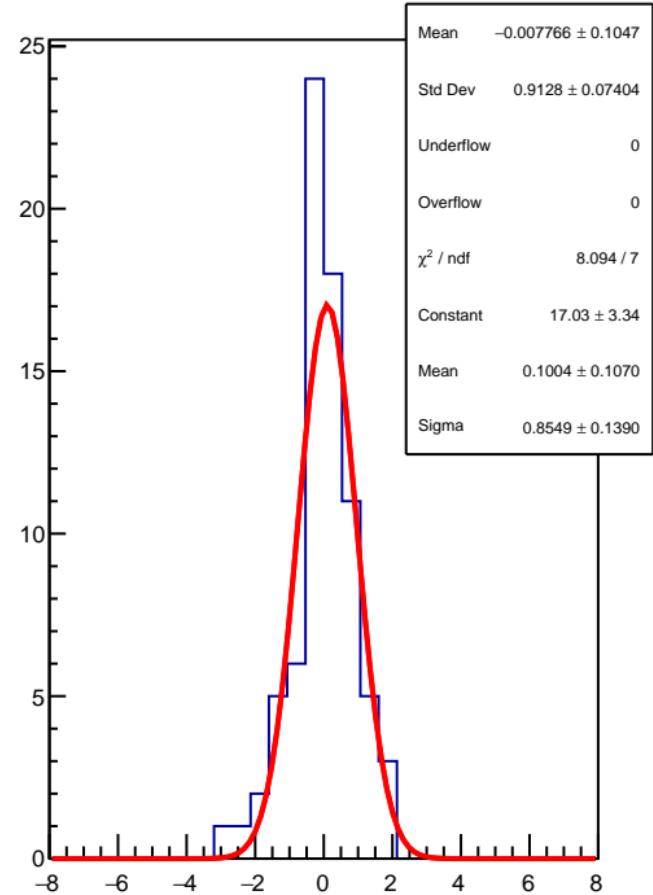


corr\_usl\_evMon9 (ppb)

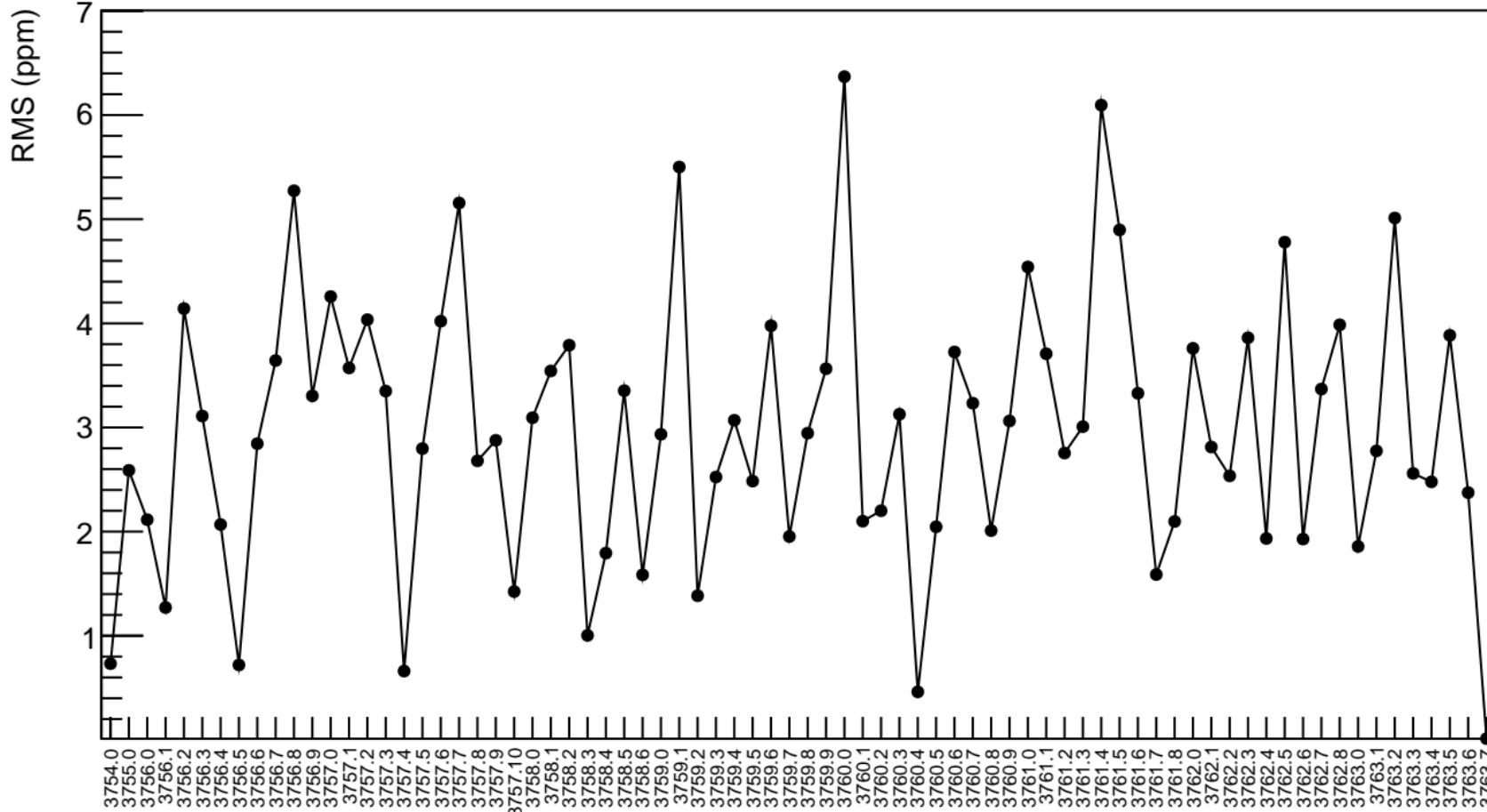
$\chi^2 / \text{ndf}$  63.33 / 75  
 $p_0$   $-3.673 \pm 4.21$



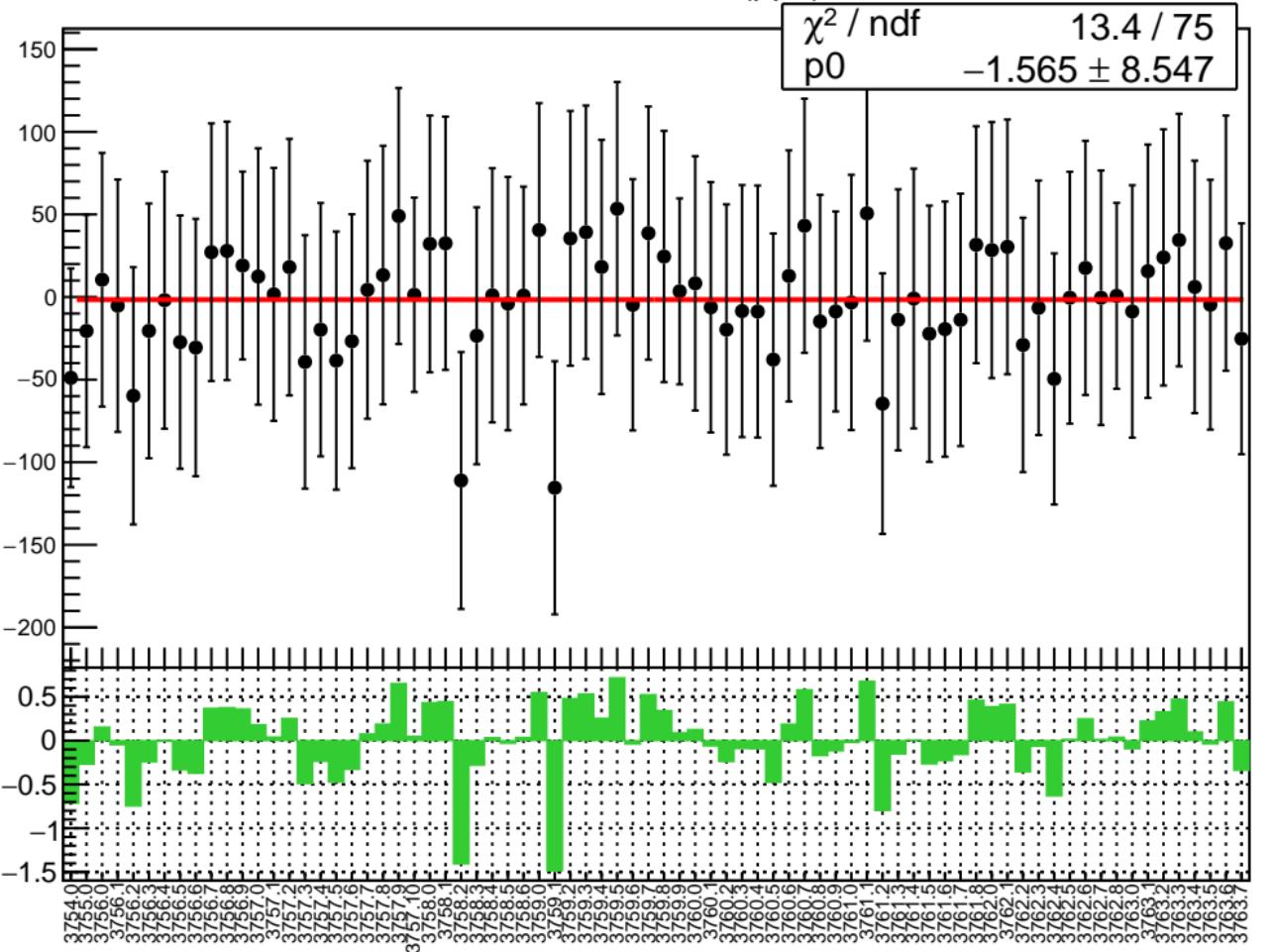
1D pull distribution



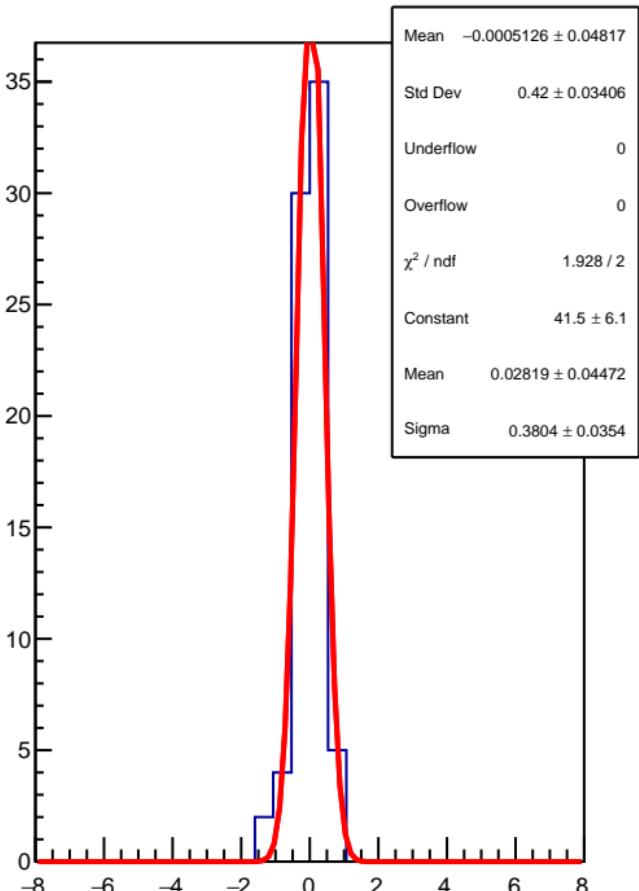
# corr\_usl\_evMon9 RMS (ppm)



corr\_usl\_evMon10 (ppb)

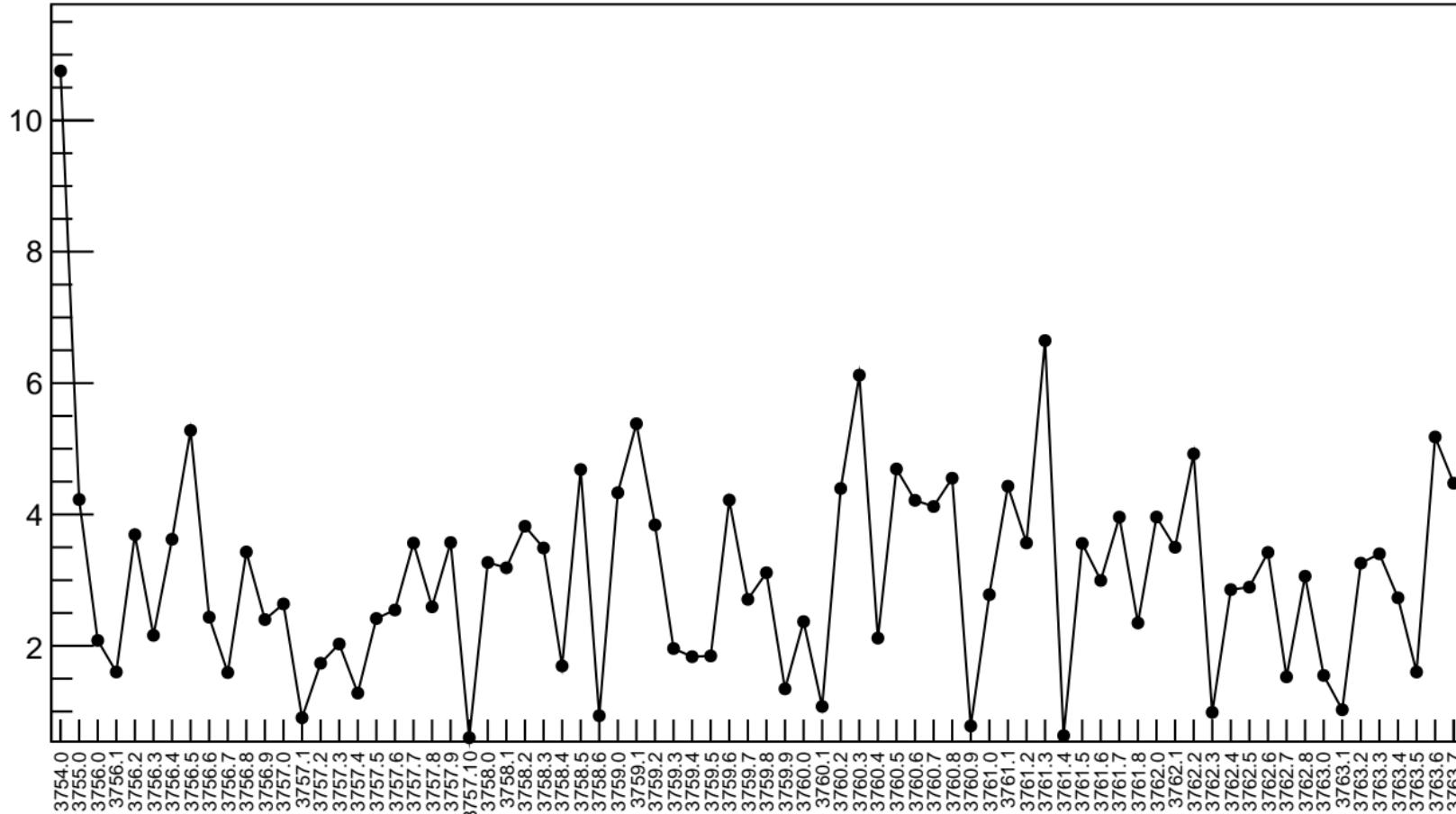


1D pull distribution



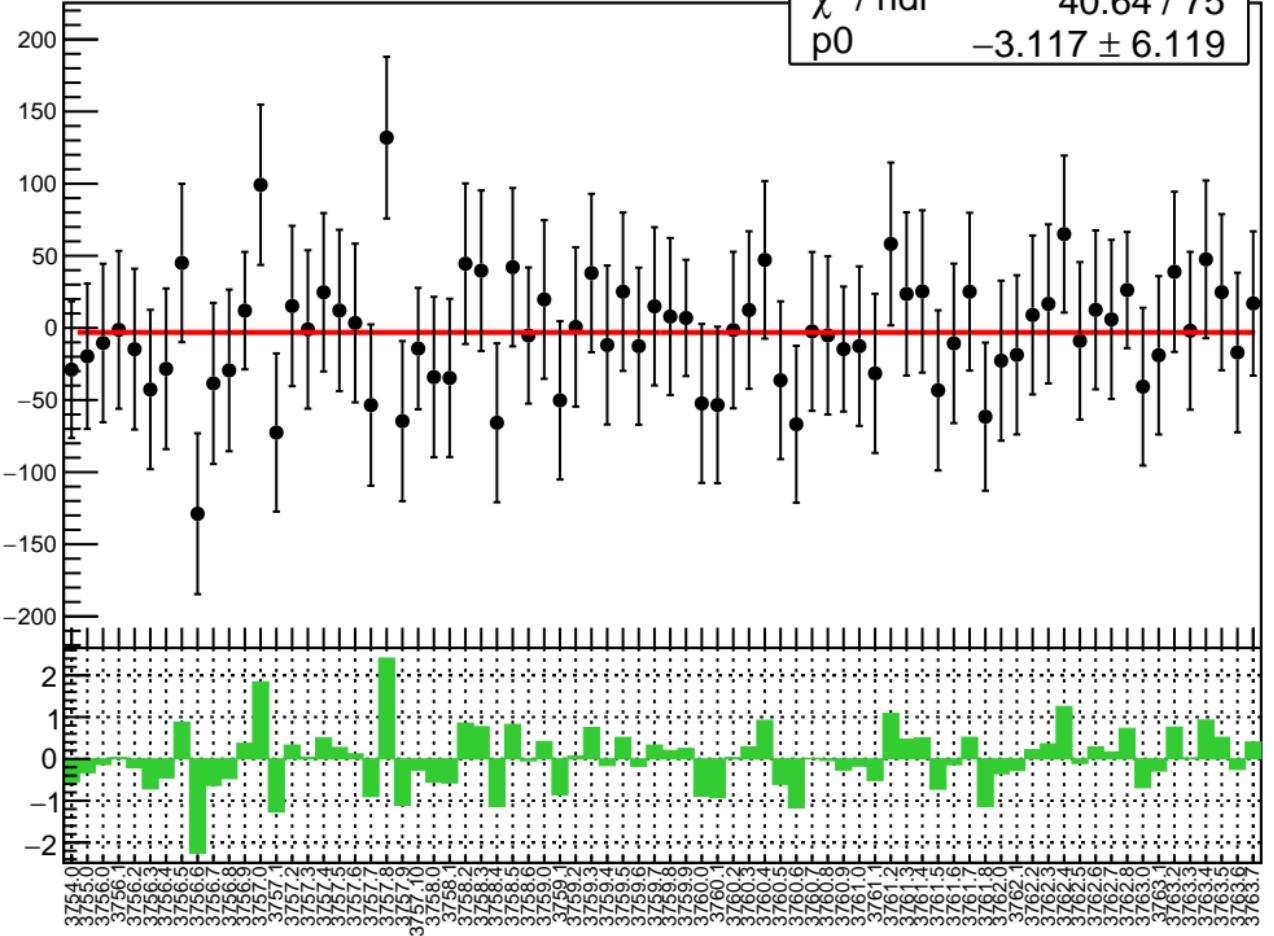
# corr\_usl\_evMon10 RMS (ppm)

RMS (ppm)

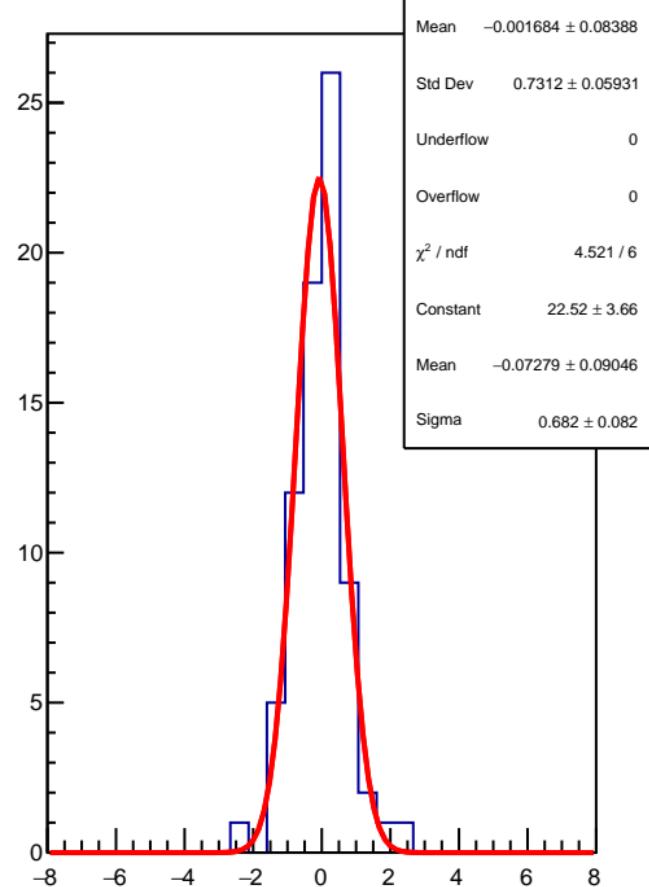


corr\_usl\_evMon11 (ppb)

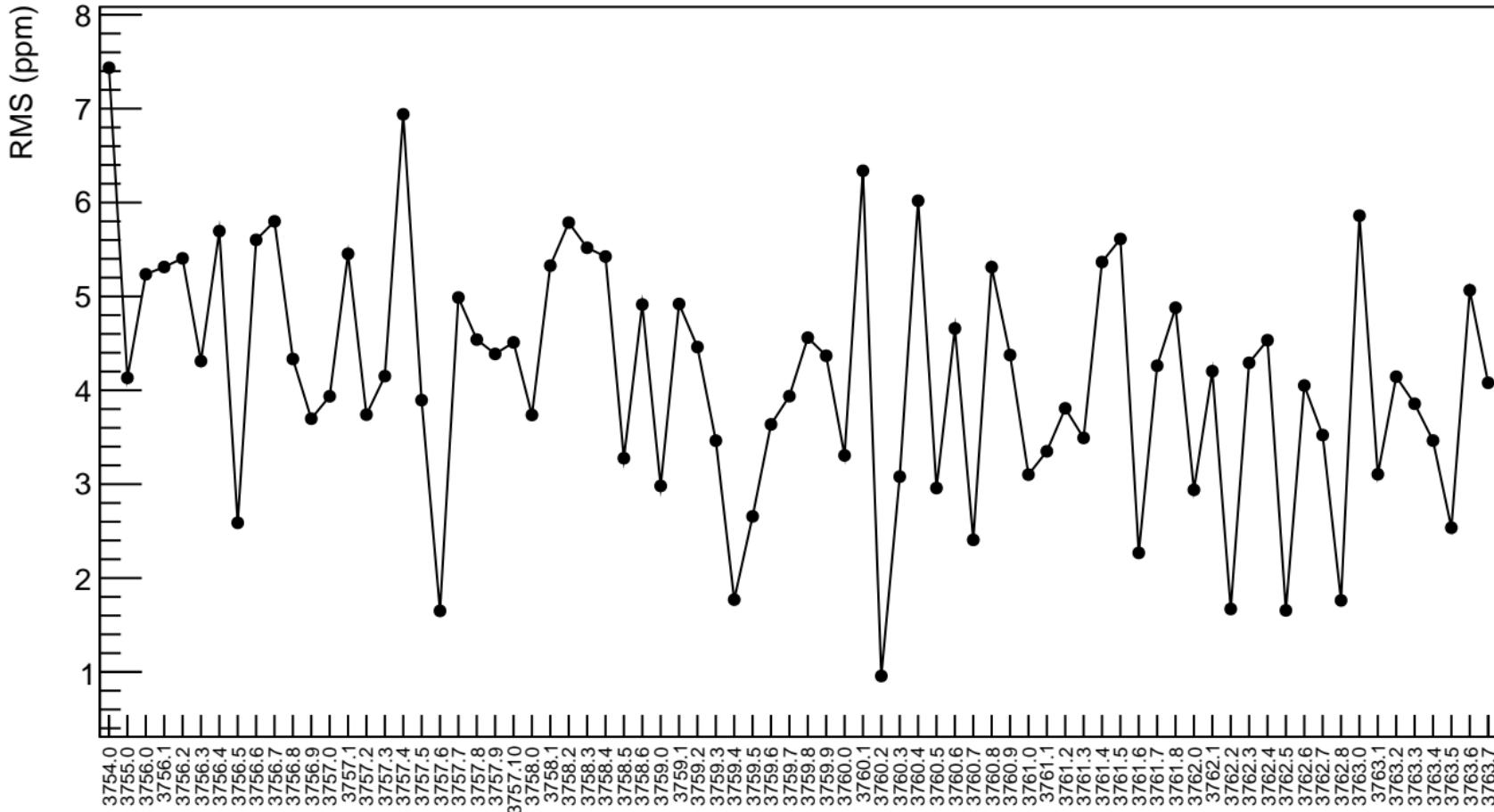
$\chi^2 / \text{ndf}$  40.64 / 75  
 $p_0$   $-3.117 \pm 6.119$



1D pull distribution

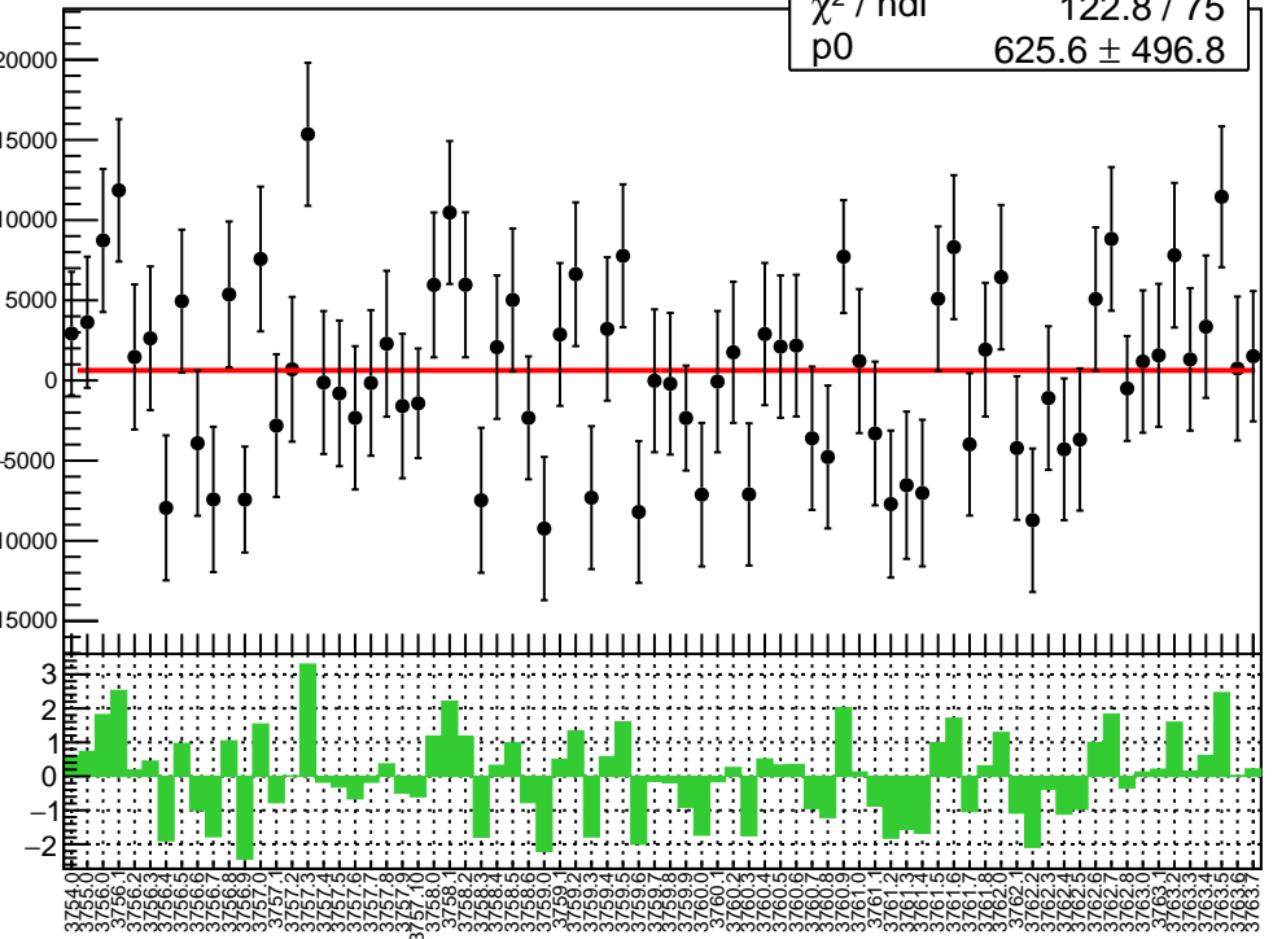


# corr\_usl\_evMon11 RMS (ppm)



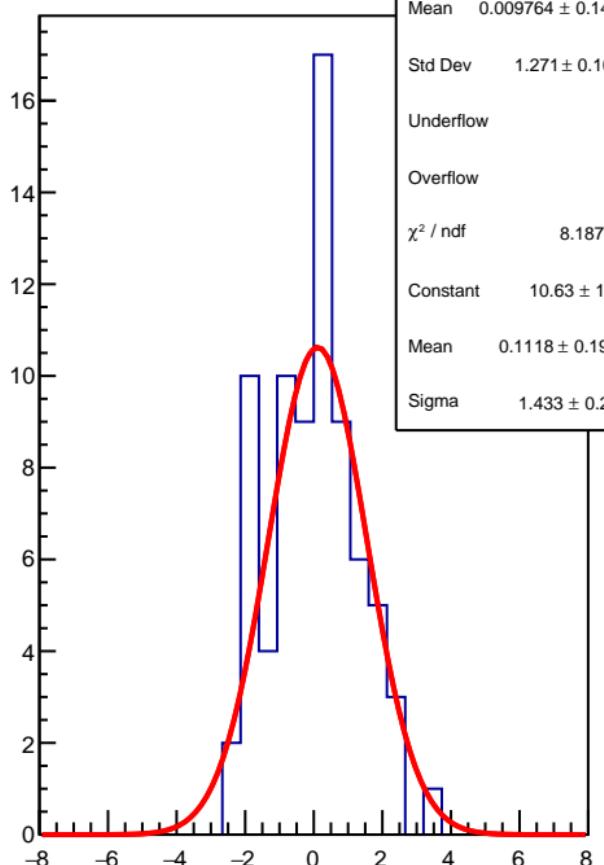
corr\_usr\_evMon0 (ppb)

$\chi^2 / \text{ndf}$  122.8 / 75  
p0  $625.6 \pm 496.8$



1D pull distribution

Mean  $0.009764 \pm 0.1458$   
Std Dev  $1.271 \pm 0.1031$   
Underflow 0  
Overflow 0  
 $\chi^2 / \text{ndf}$  8.187 / 8  
Constant  $10.63 \pm 1.78$   
Mean  $0.1118 \pm 0.1987$   
Sigma  $1.433 \pm 0.214$

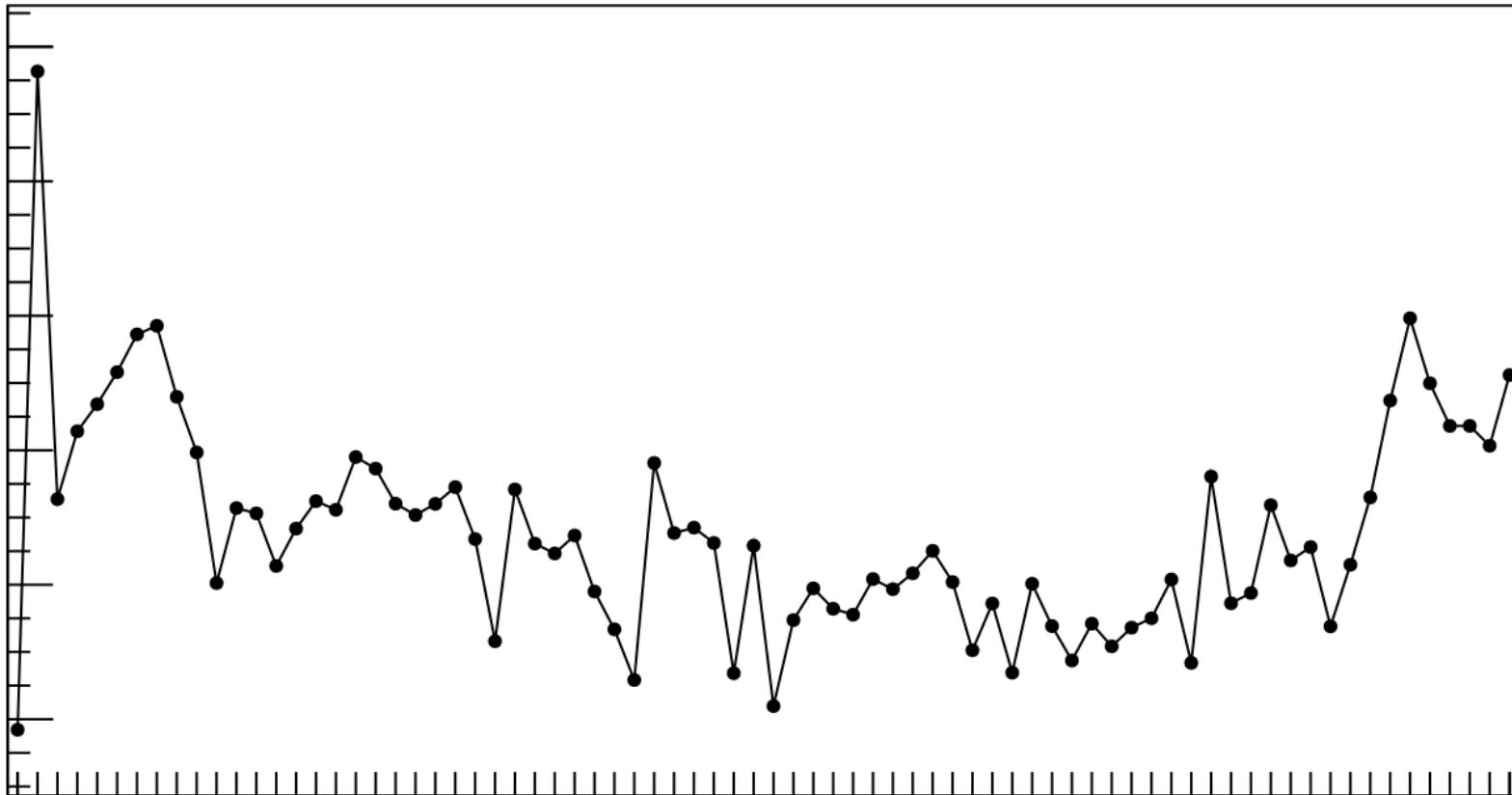


# corr\_usr\_evMon0 RMS (ppm)

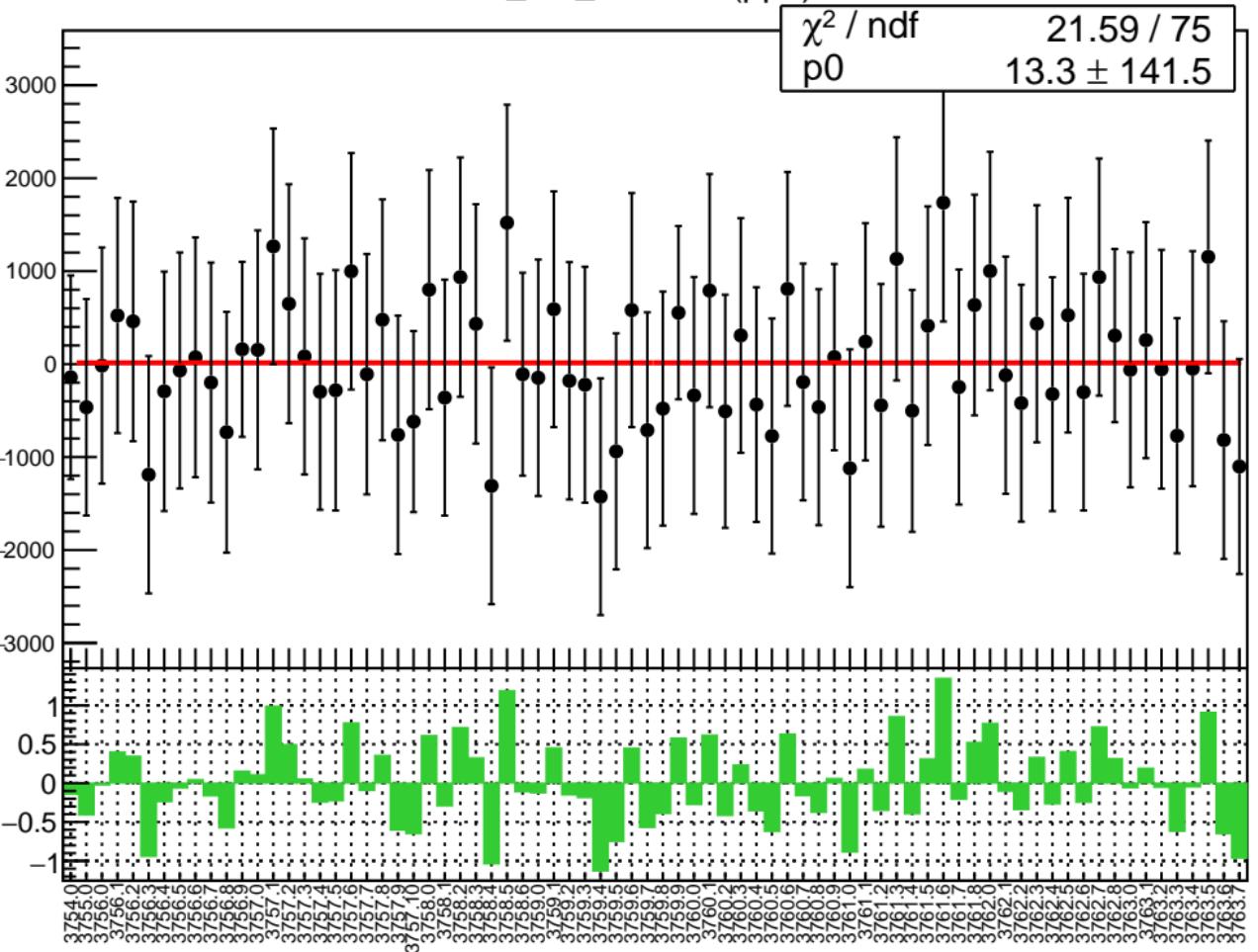
RMS (ppm)

620  
600  
580  
560  
540  
520

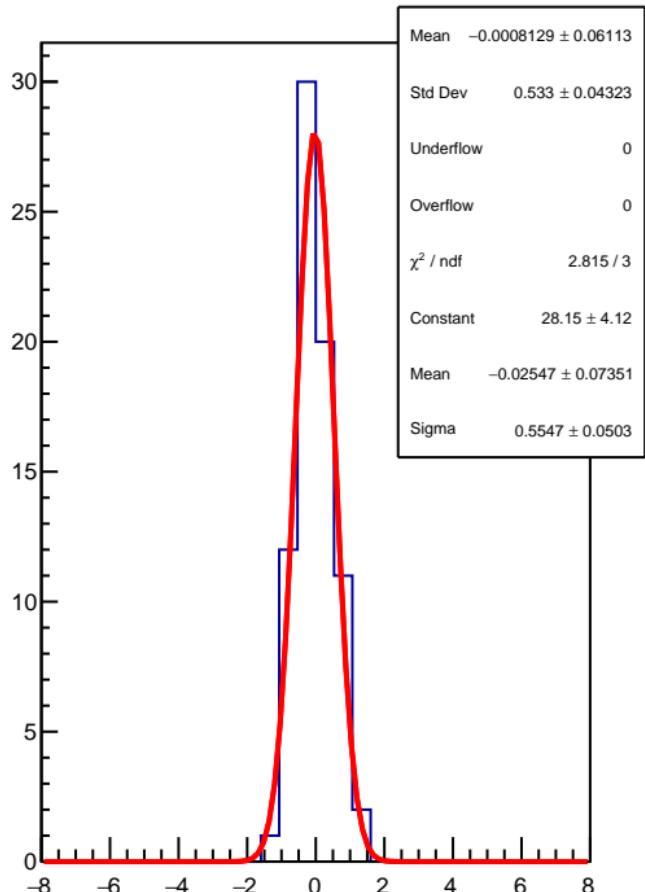
3754.0  
3755.0  
3756.0  
3756.1  
3756.2  
3756.3  
3756.4  
3756.5  
3756.6  
3756.7  
3756.8  
3756.9  
3756.9  
3757.0  
3757.1  
3757.1  
3757.2  
3757.2  
3757.3  
3757.3  
3757.4  
3757.4  
3757.5  
3757.5  
3757.6  
3757.6  
3757.7  
3757.7  
3757.8  
3757.8  
3757.9  
3757.9  
3758.0  
3758.0  
3758.1  
3758.1  
3758.2  
3758.2  
3758.3  
3758.3  
3758.4  
3758.4  
3758.5  
3758.5  
3758.6  
3758.6  
3758.7  
3758.7  
3758.8  
3758.8  
3758.9  
3758.9  
3759.0  
3759.0  
3759.1  
3759.1  
3759.2  
3759.2  
3759.3  
3759.3  
3759.4  
3759.4  
3759.5  
3759.5  
3759.6  
3759.6  
3759.7  
3759.7  
3759.8  
3759.8  
3759.9  
3759.9  
3759.9  
3759.9  
3760.0  
3760.0  
3760.1  
3760.1  
3760.2  
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3760.3  
3760.3  
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3760.4  
3760.5  
3760.5  
3760.6  
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3760.7  
3760.7  
3760.8  
3760.8  
3760.9  
3760.9  
3761.0  
3761.0  
3761.1  
3761.1  
3761.2  
3761.2  
3761.3  
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3761.4  
3761.4  
3761.5  
3761.5  
3761.6  
3761.6  
3761.7  
3761.7  
3761.8  
3761.8  
3762.0  
3762.0  
3762.1  
3762.1  
3762.2  
3762.2  
3762.3  
3762.3  
3762.4  
3762.4  
3762.5  
3762.5  
3762.6  
3762.6  
3762.7  
3762.7  
3763.0  
3763.0  
3763.1  
3763.1  
3763.2  
3763.2  
3763.3  
3763.3  
3763.4  
3763.4  
3763.5  
3763.5  
3763.6  
3763.6  
3763.7



corr\_usr\_evMon1 (ppb)



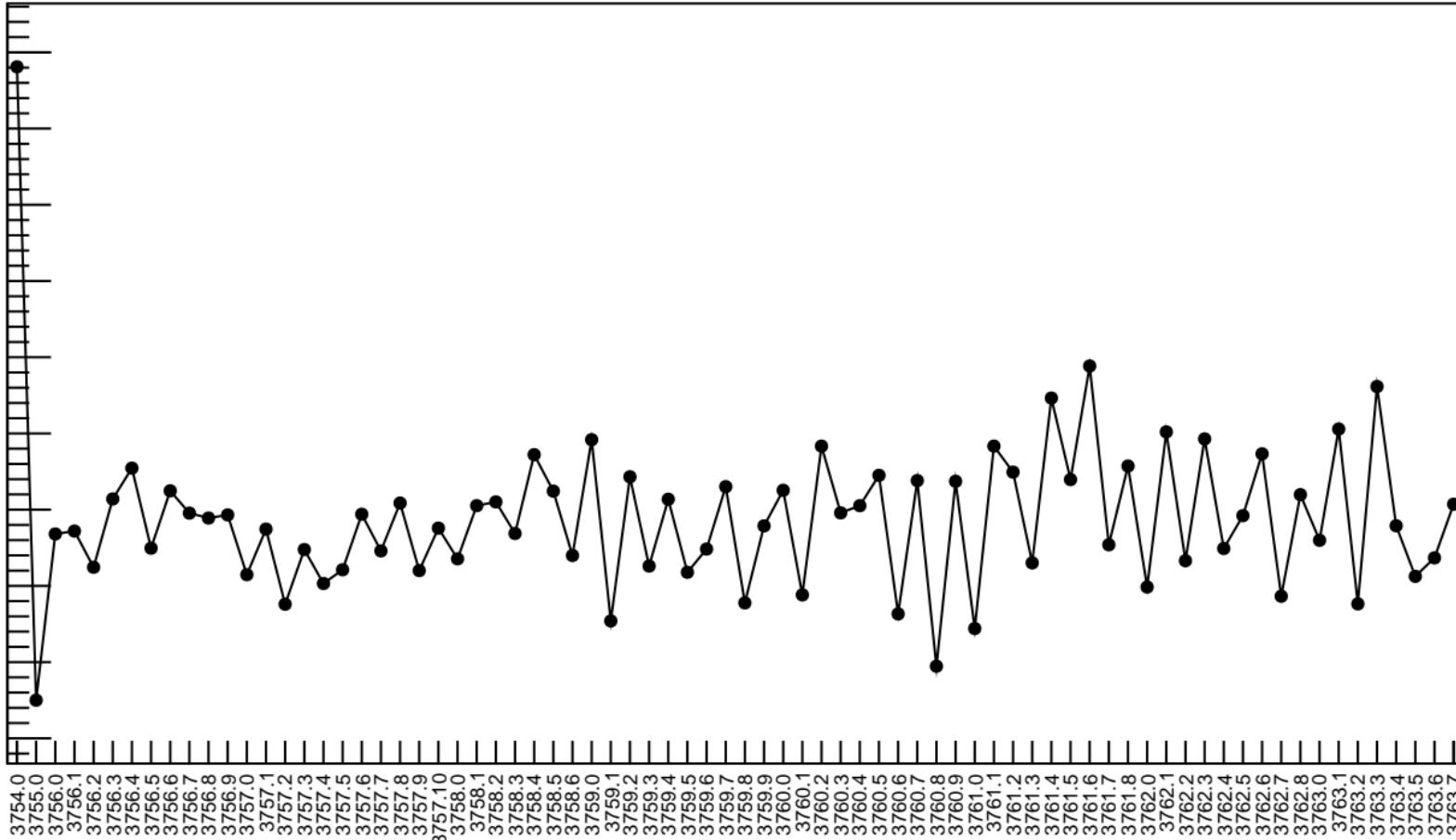
1D pull distribution



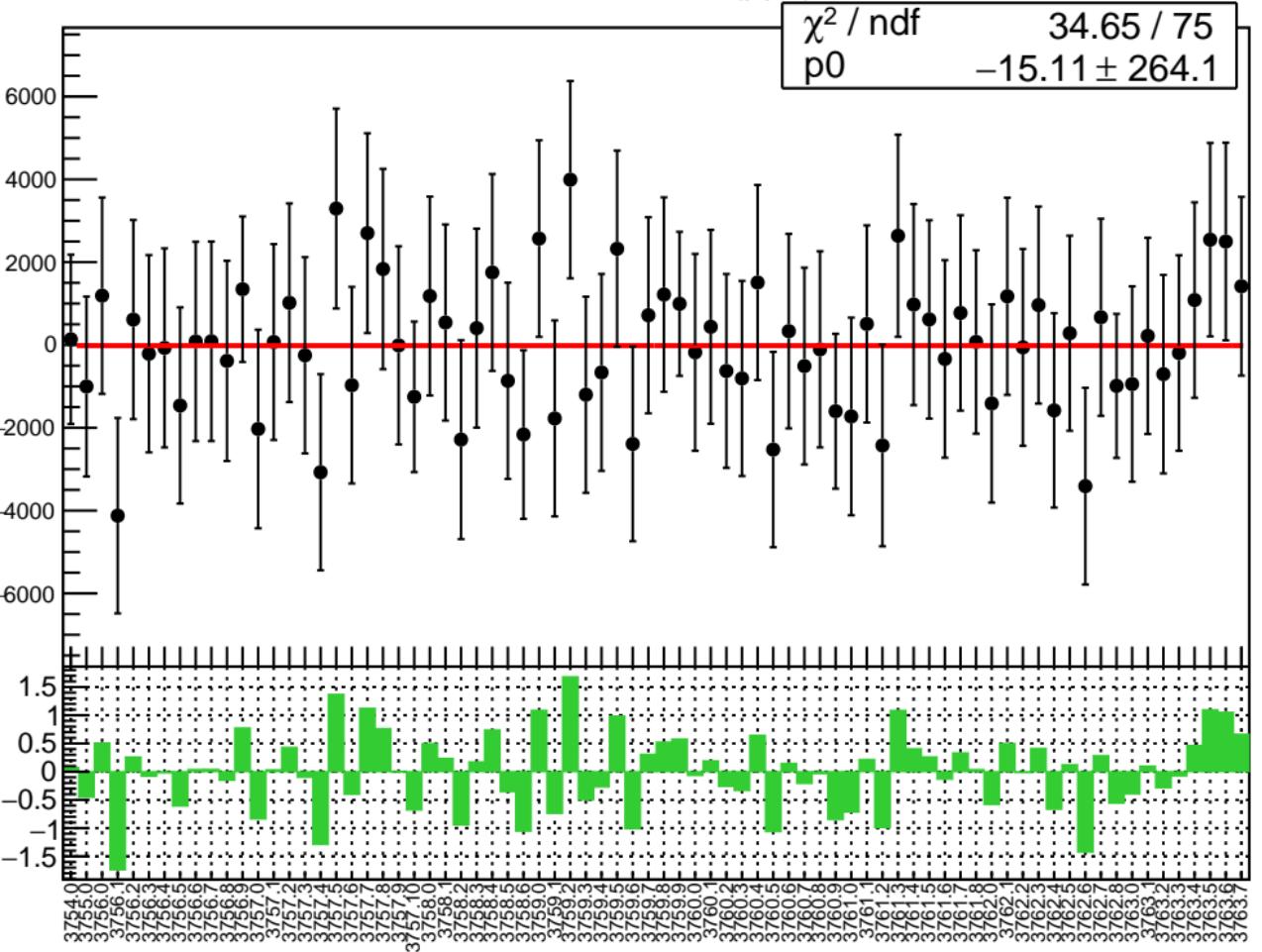
# corr\_usr\_evMon1 RMS (ppm)

RMS (ppm)

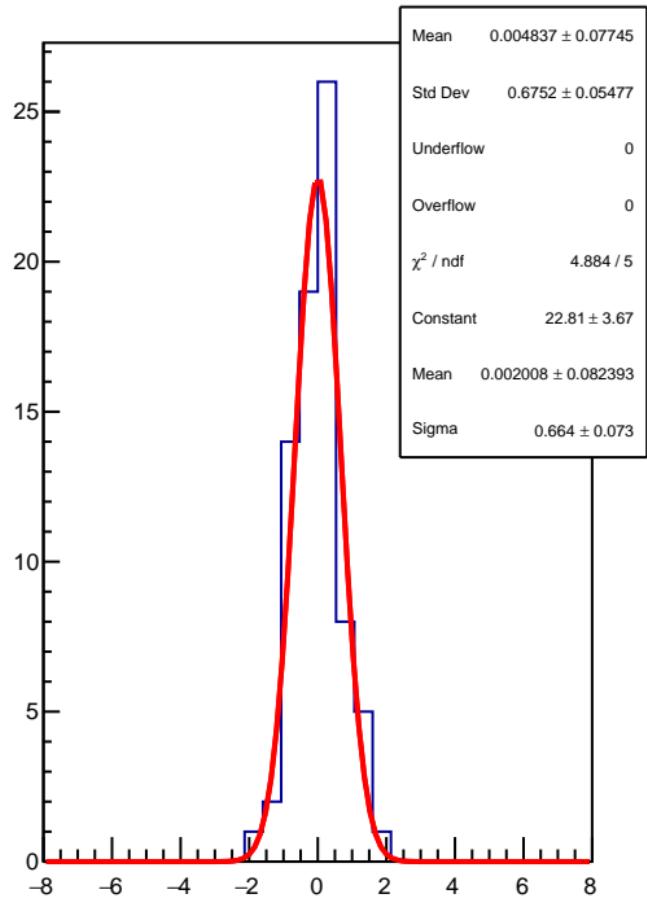
130  
120  
110  
100  
90  
80  
70  
60  
50  
40



corr\_usr\_evMon2 (ppb)

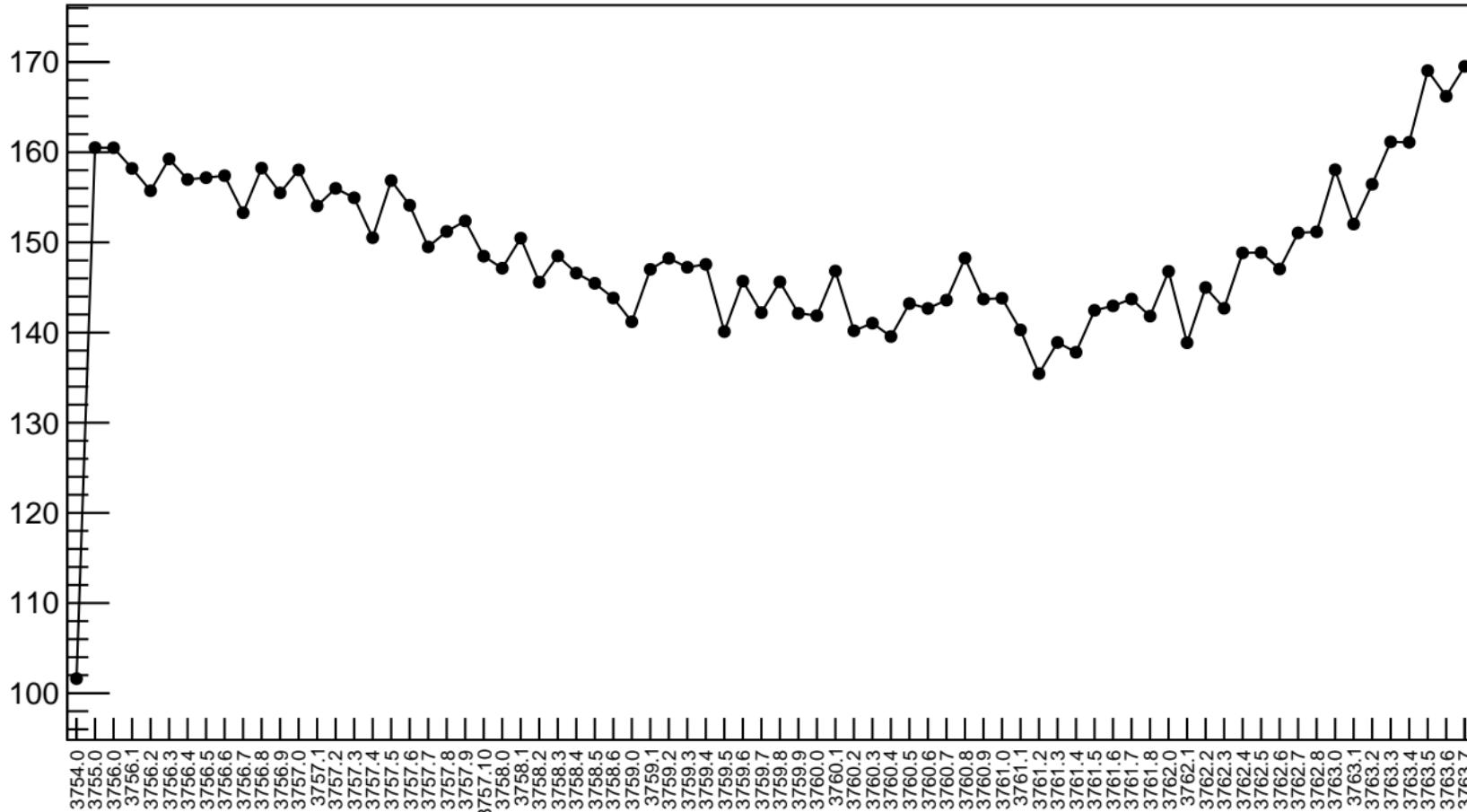


1D pull distribution

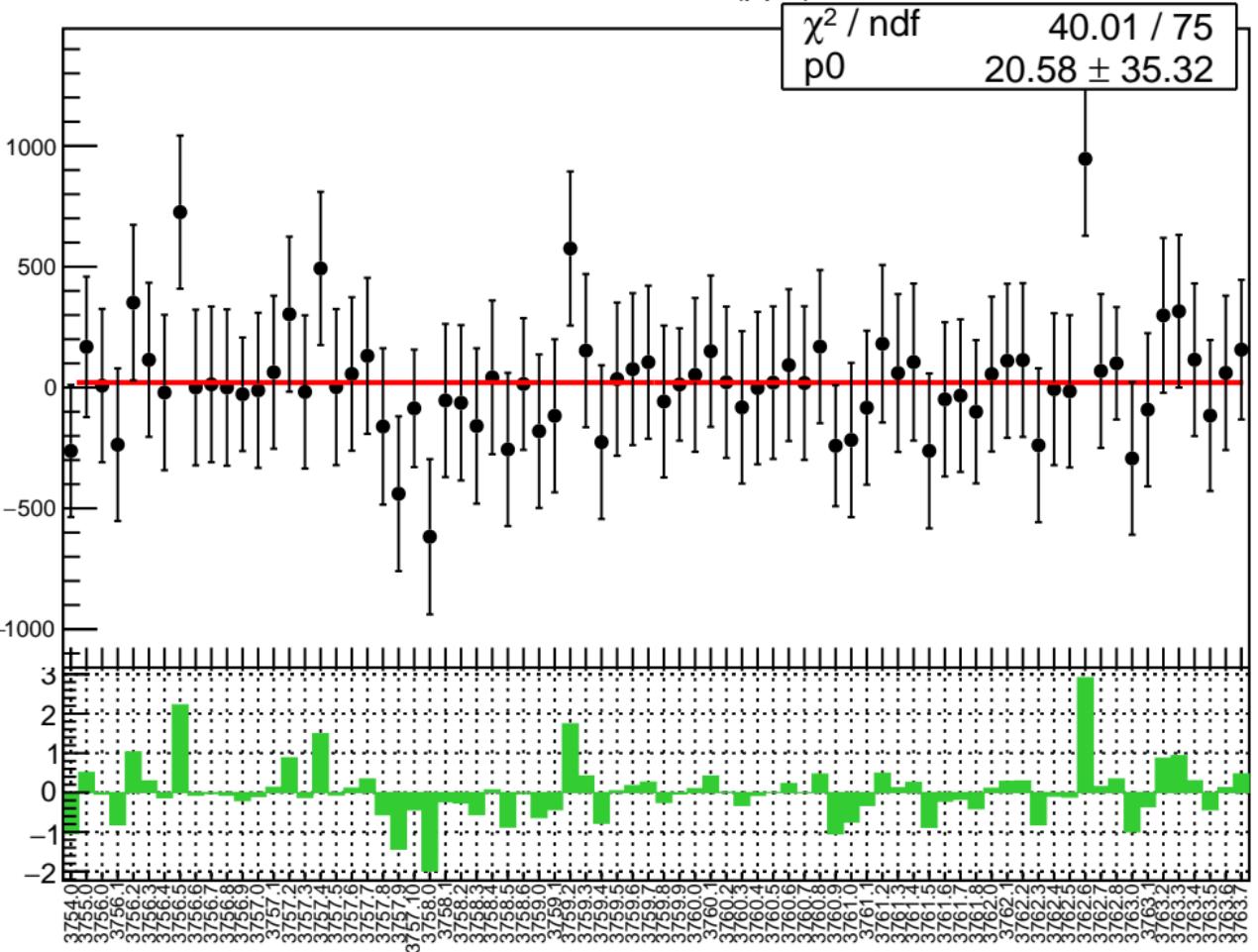


# corr\_usr\_evMon2 RMS (ppm)

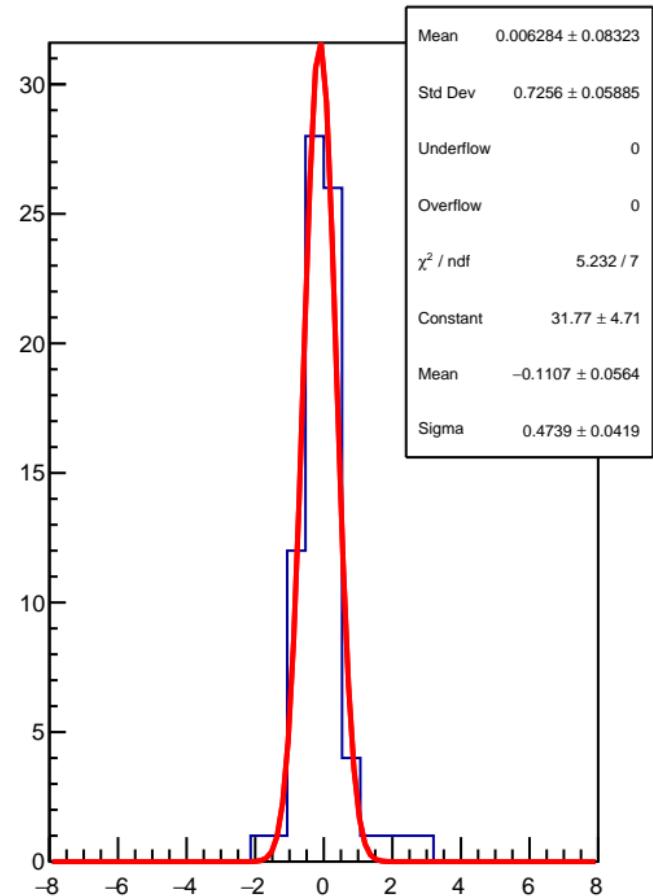
RMS (ppm)



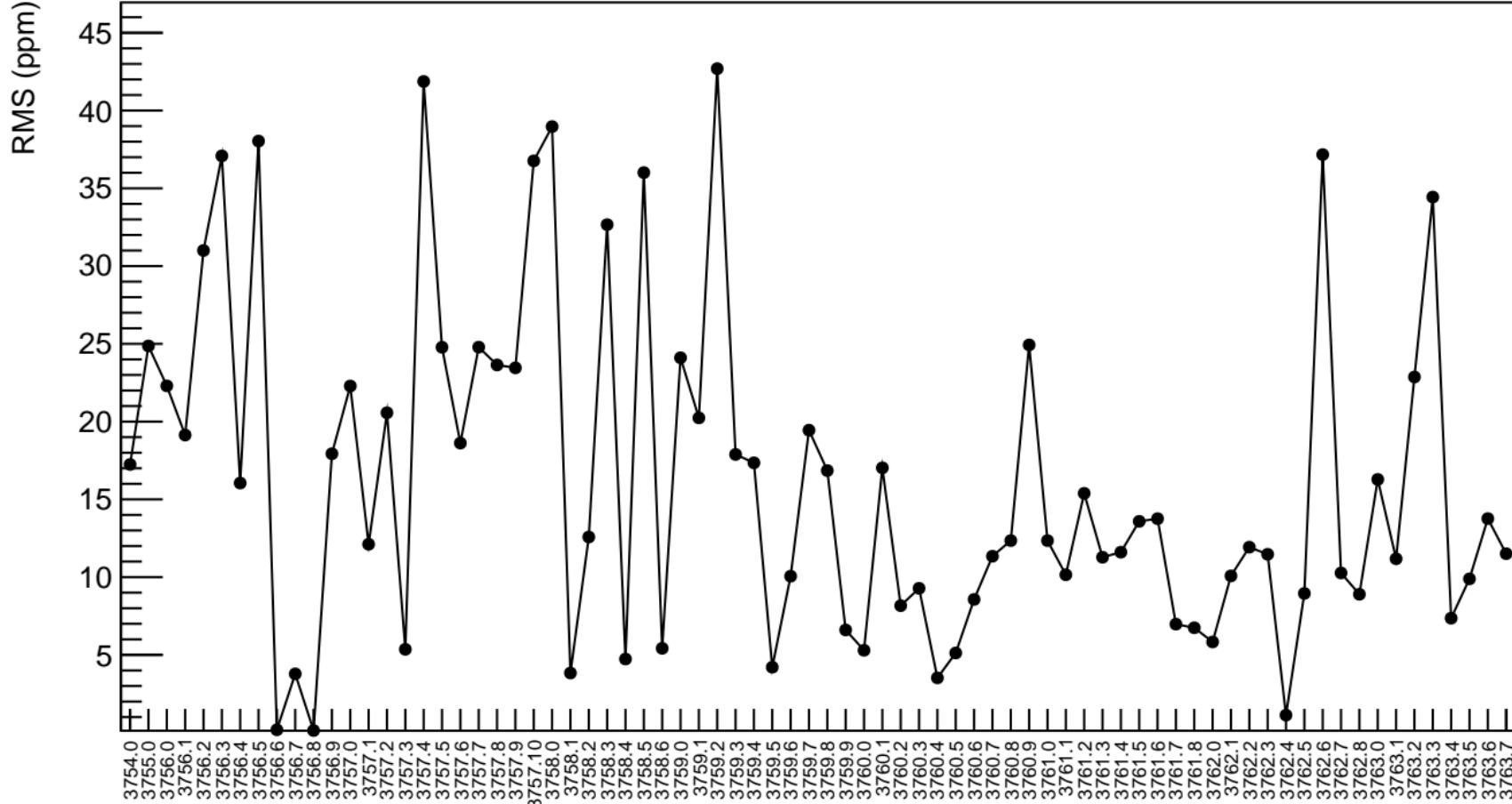
corr\_usr\_evMon3 (ppb)



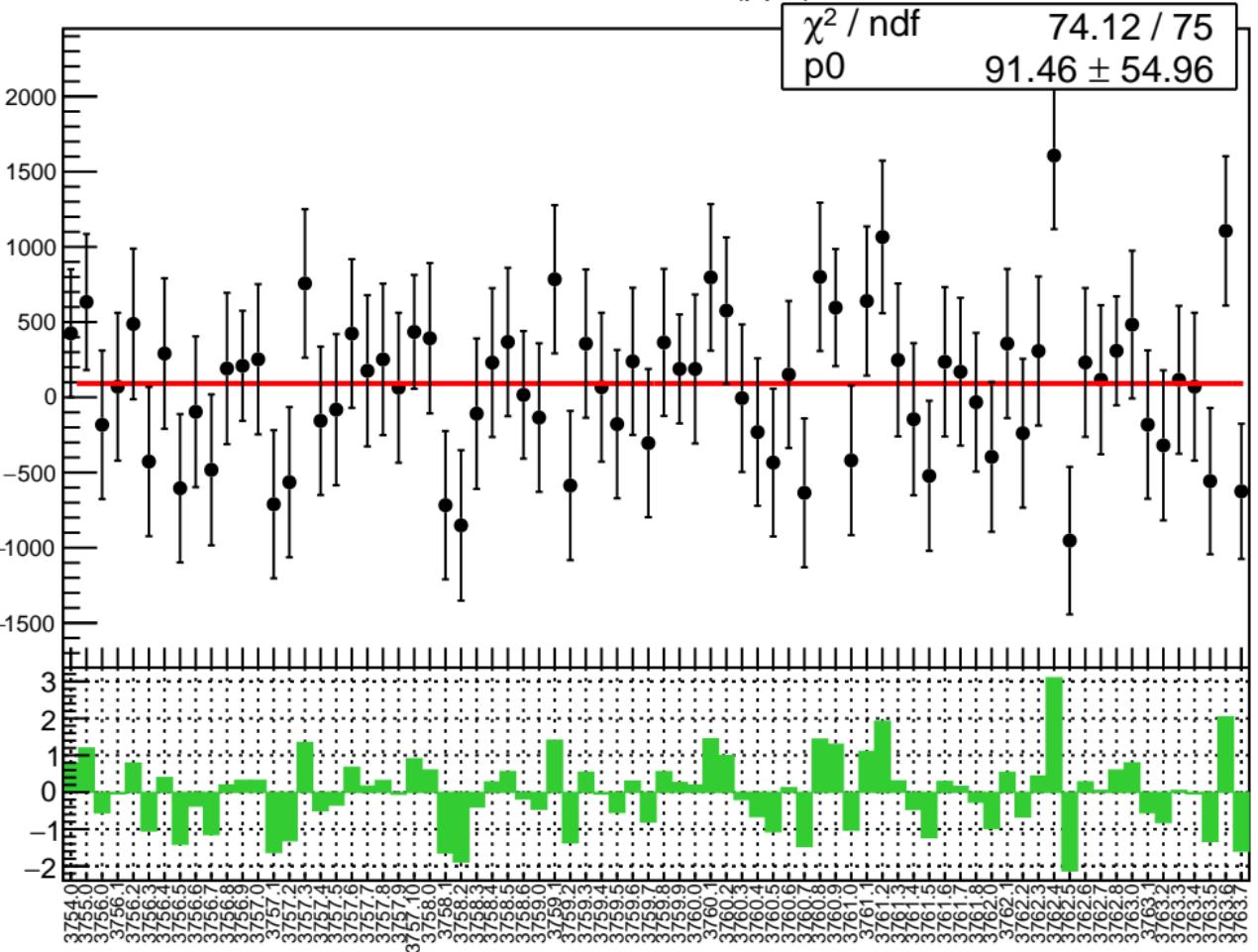
1D pull distribution



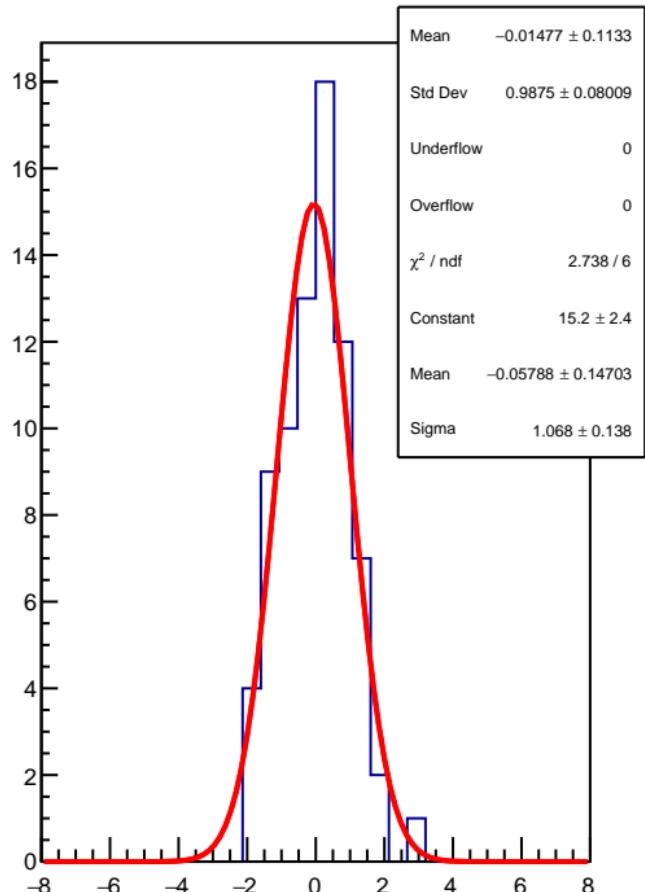
# corr\_usr\_evMon3 RMS (ppm)



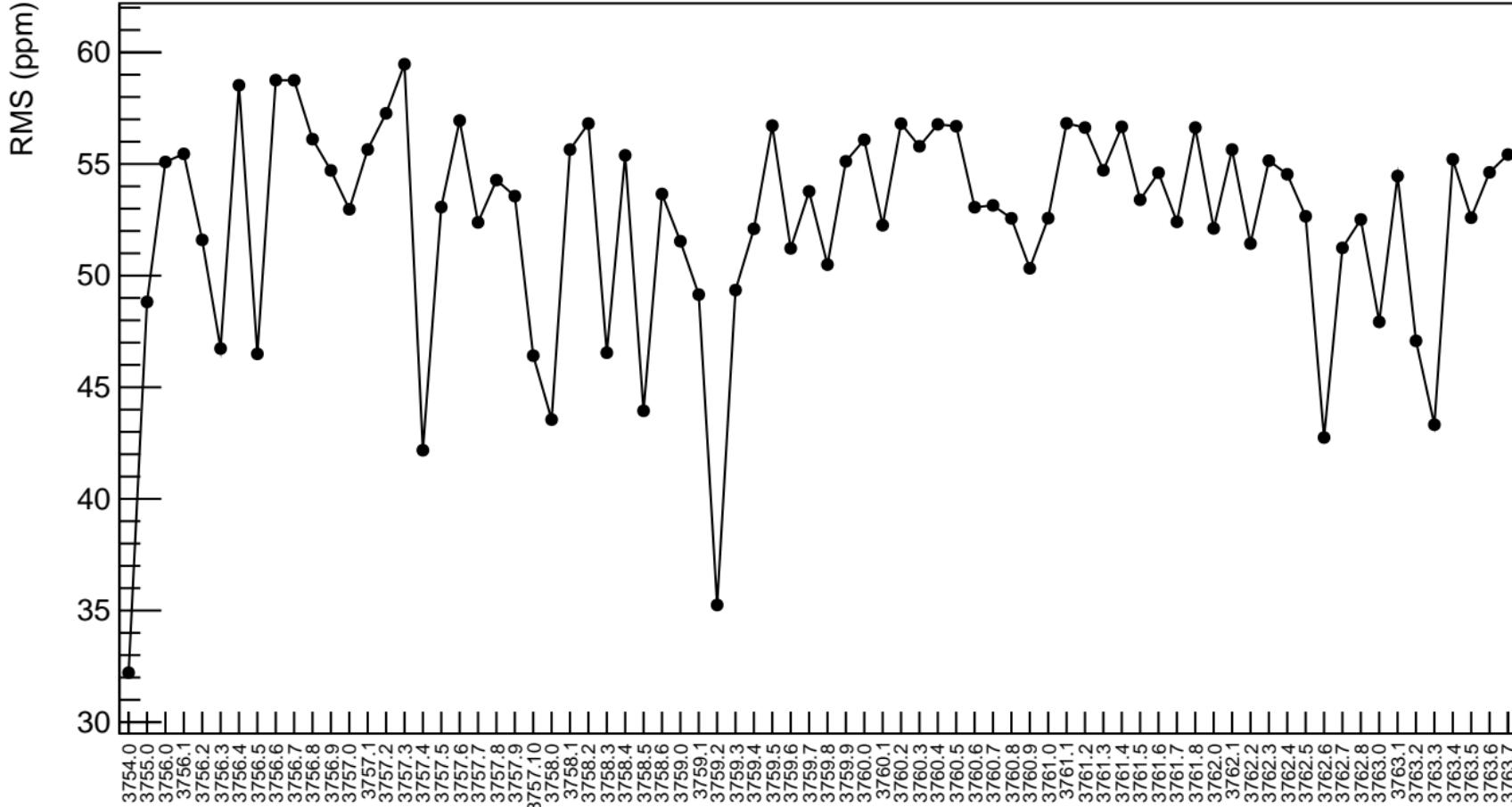
corr\_usr\_evMon4 (ppb)



1D pull distribution

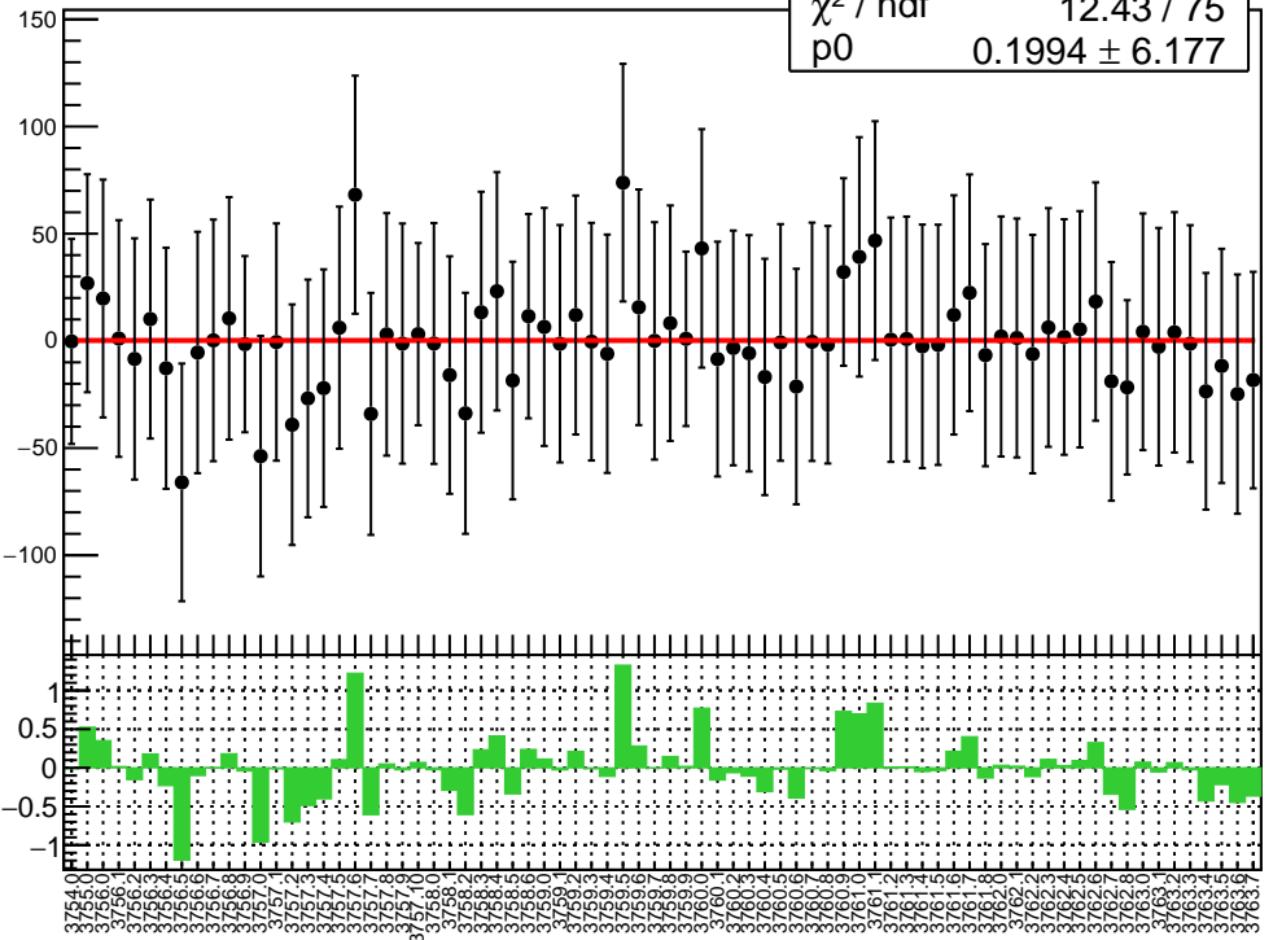


# corr\_usr\_evMon4 RMS (ppm)

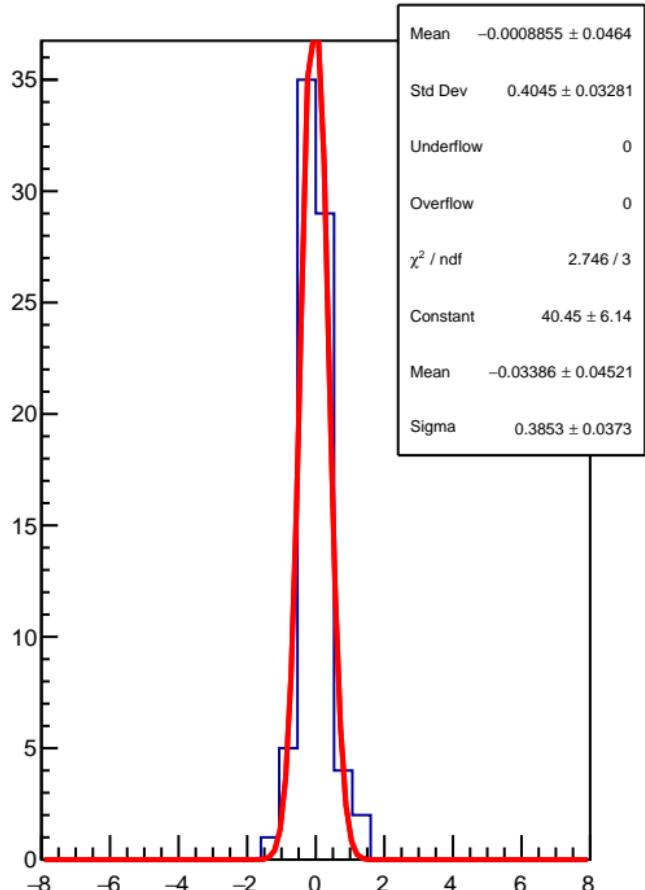


corr\_usr\_evMon5 (ppb)

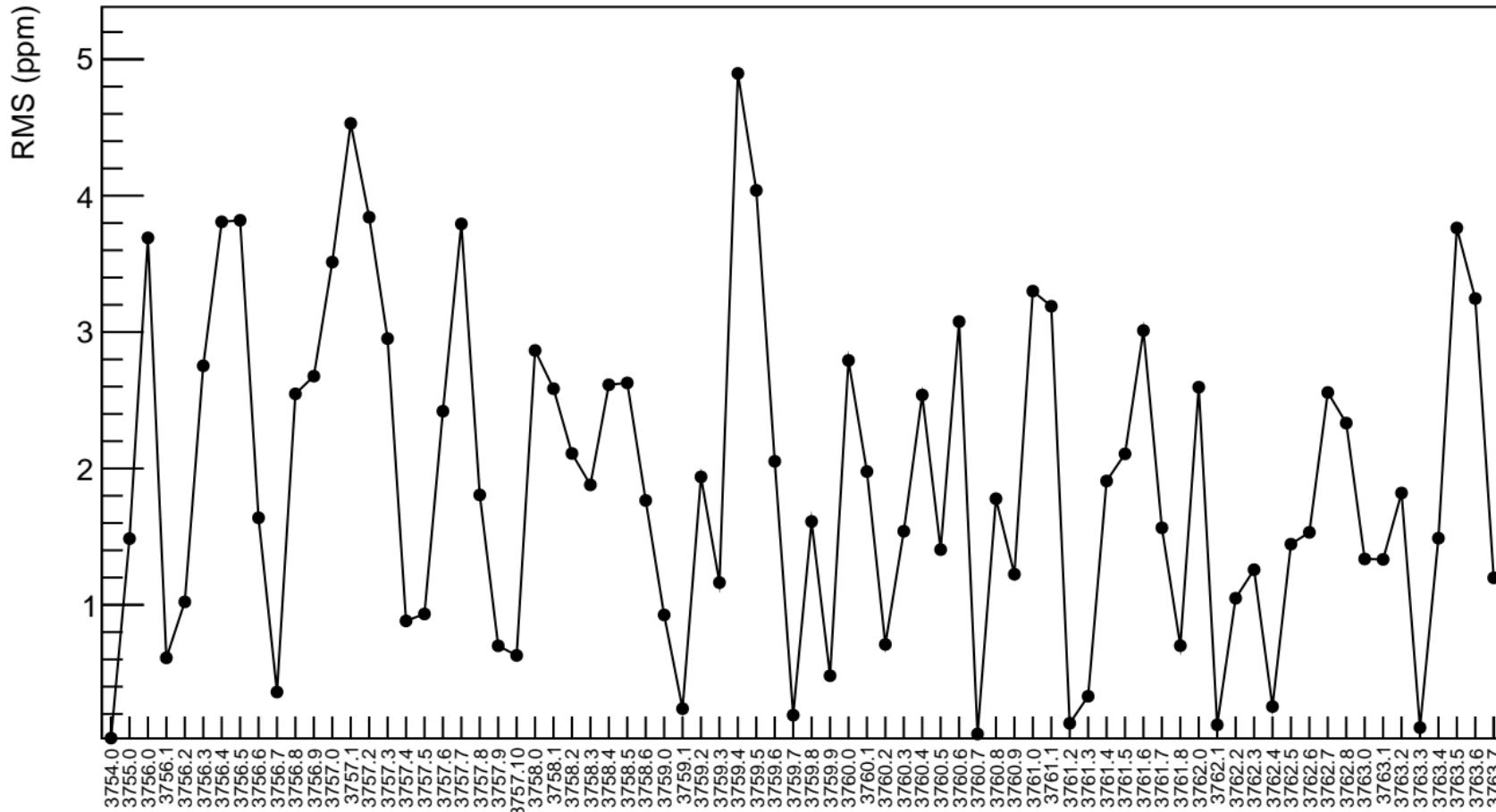
$\chi^2 / \text{ndf}$  12.43 / 75  
 $p_0$   $0.1994 \pm 6.177$



1D pull distribution

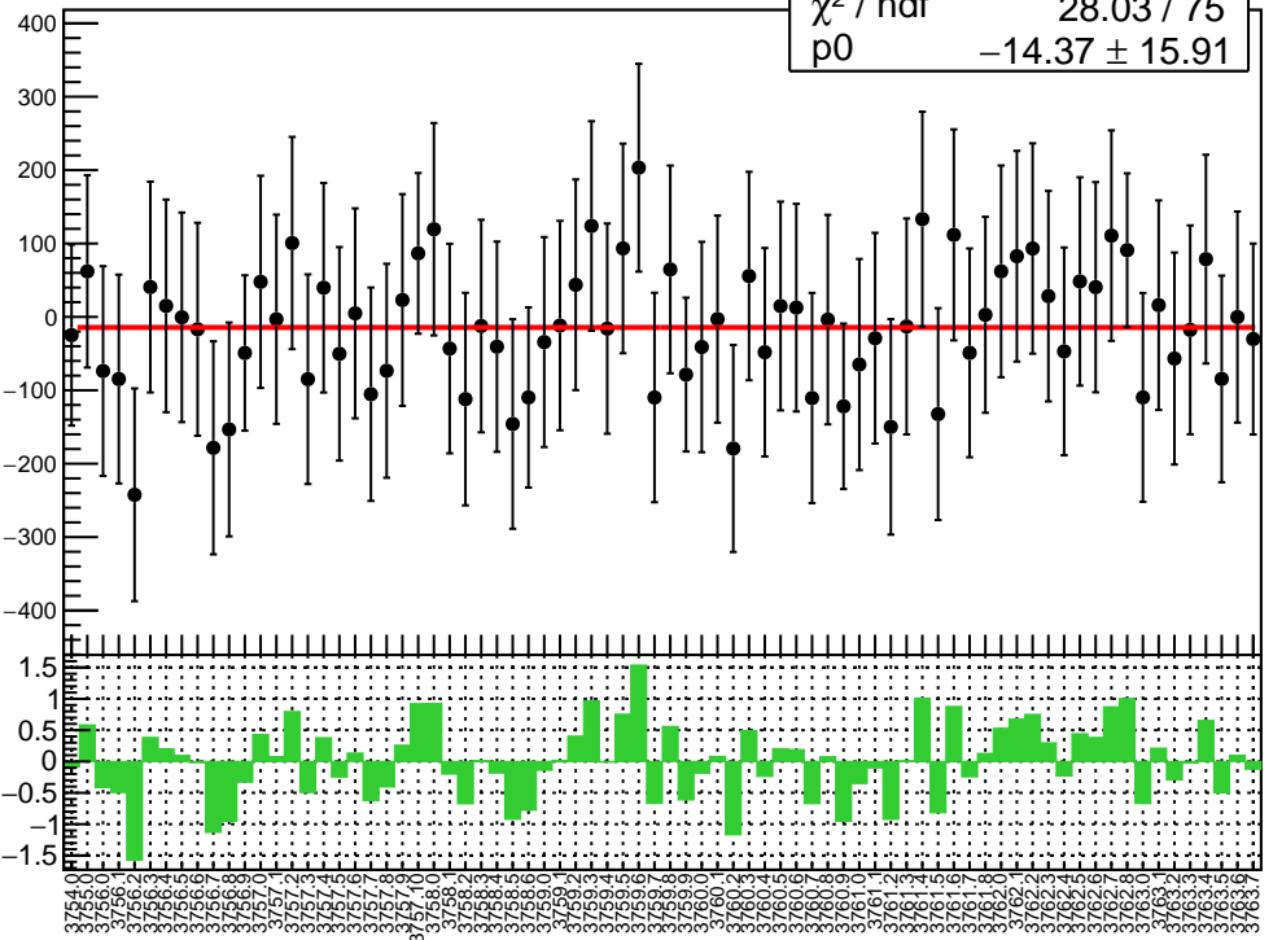


# corr\_usr\_evMon5 RMS (ppm)

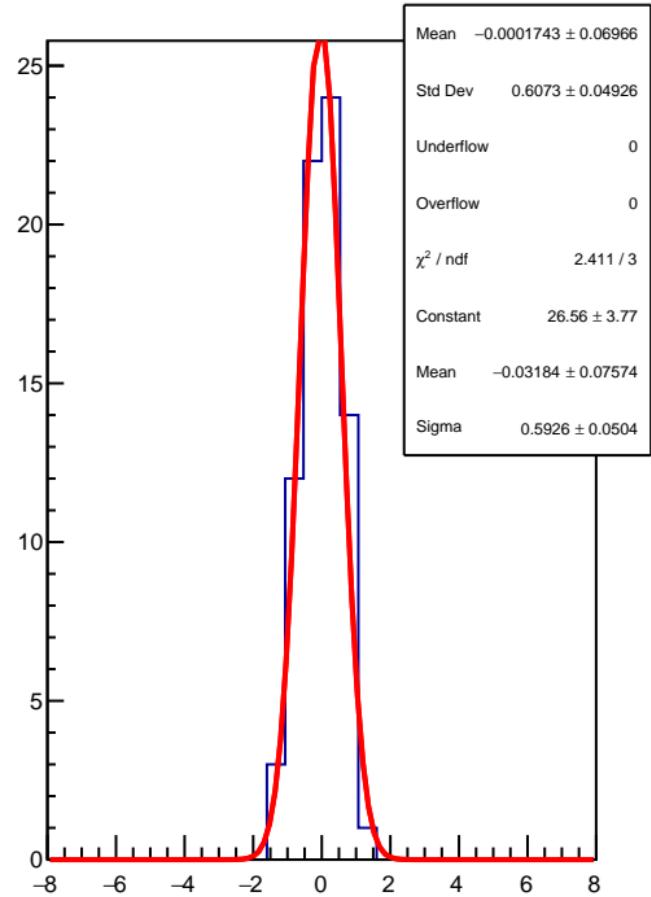


corr\_usr\_evMon6 (ppb)

$\chi^2 / \text{ndf}$  28.03 / 75  
 $p_0$   $-14.37 \pm 15.91$

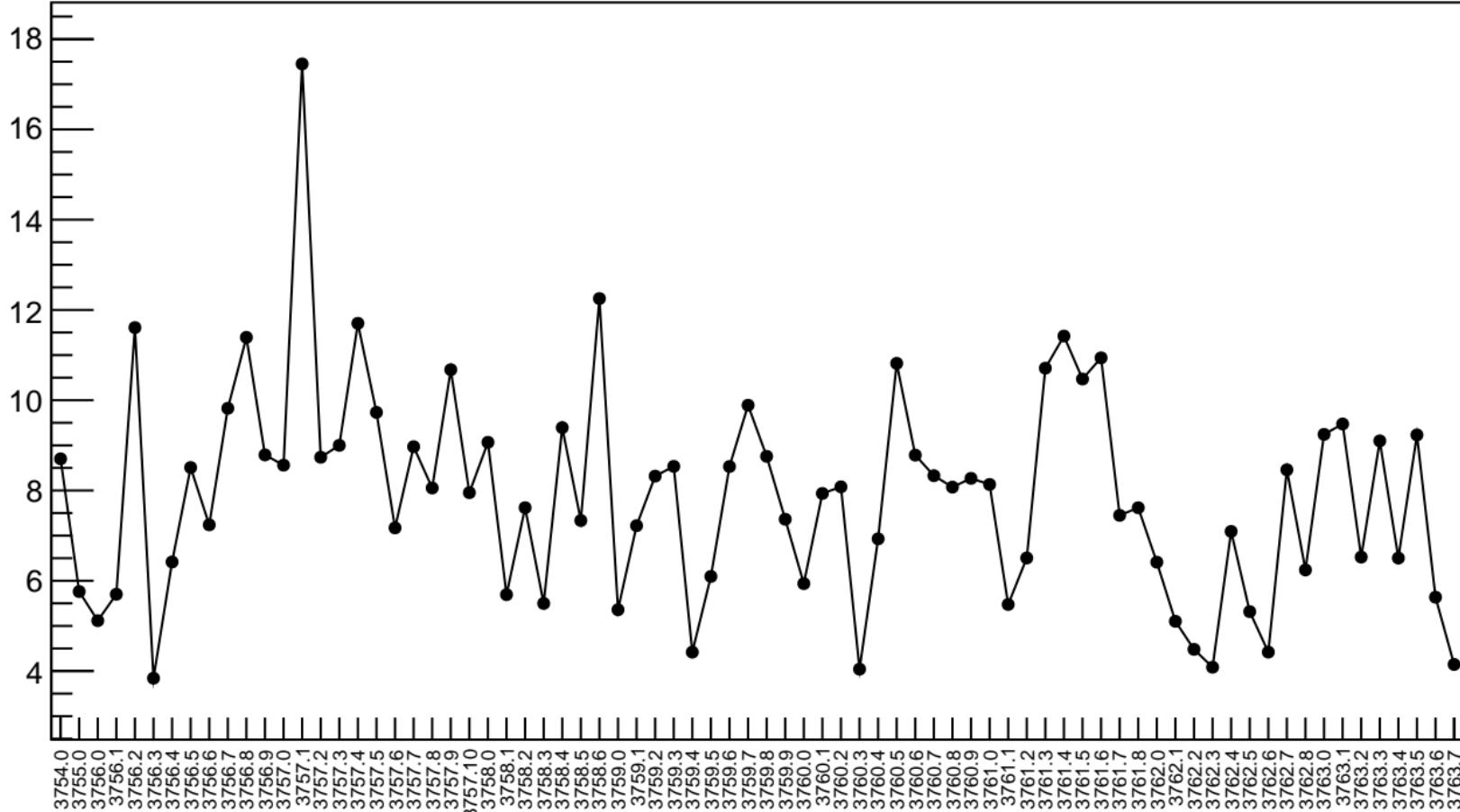


1D pull distribution

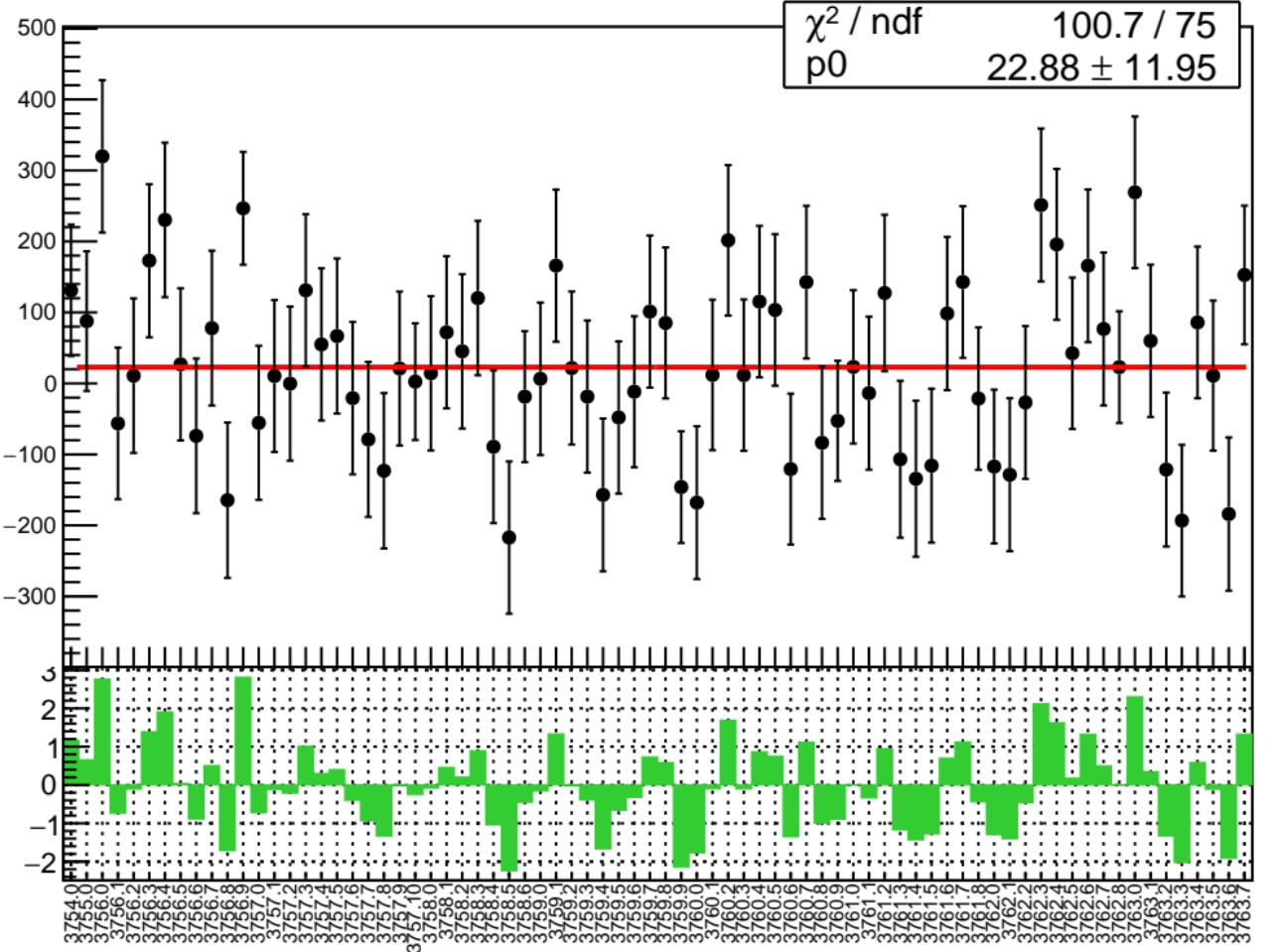


# corr\_usr\_evMon6 RMS (ppm)

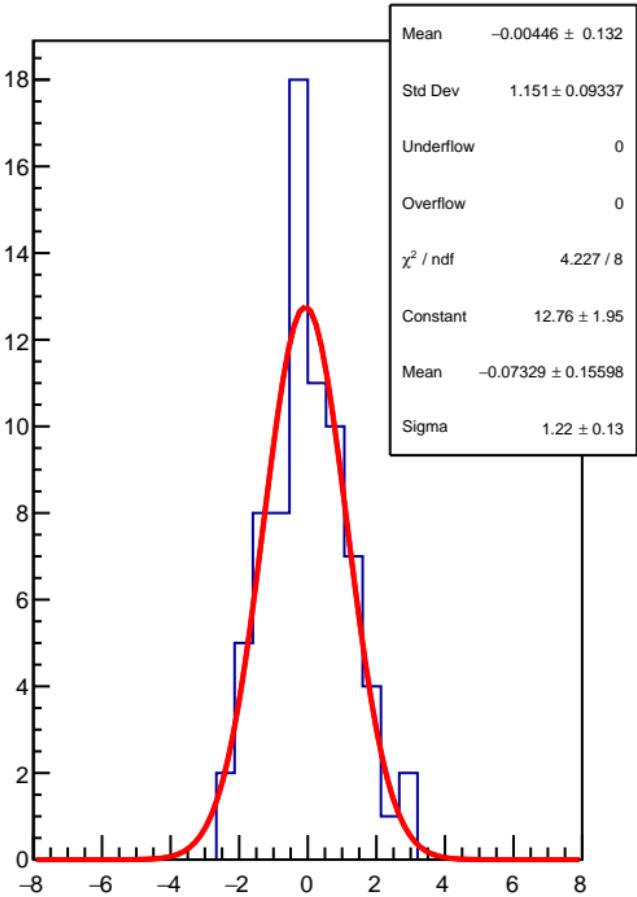
RMS (ppm)



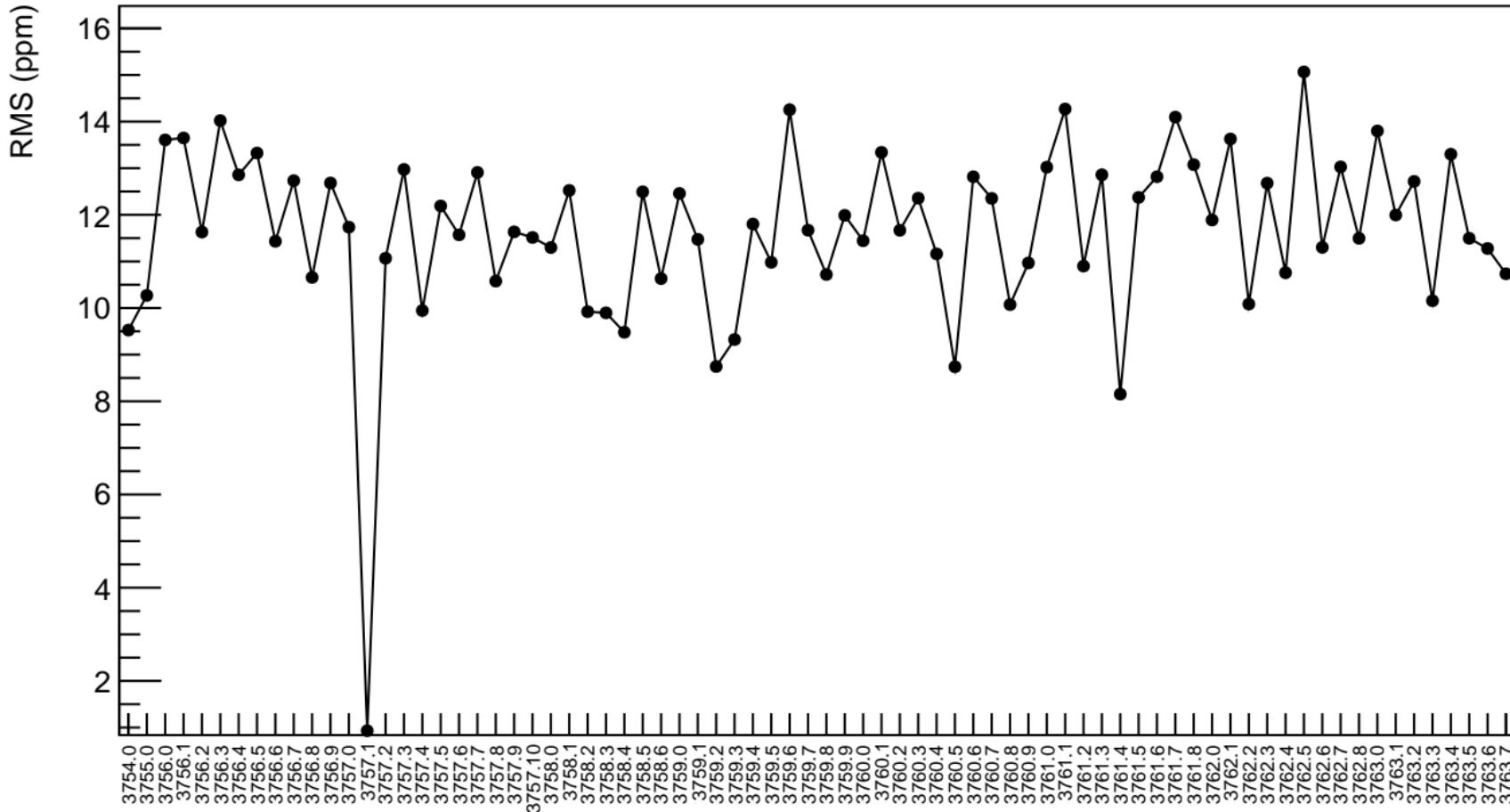
corr\_usr\_evMon7 (ppb)



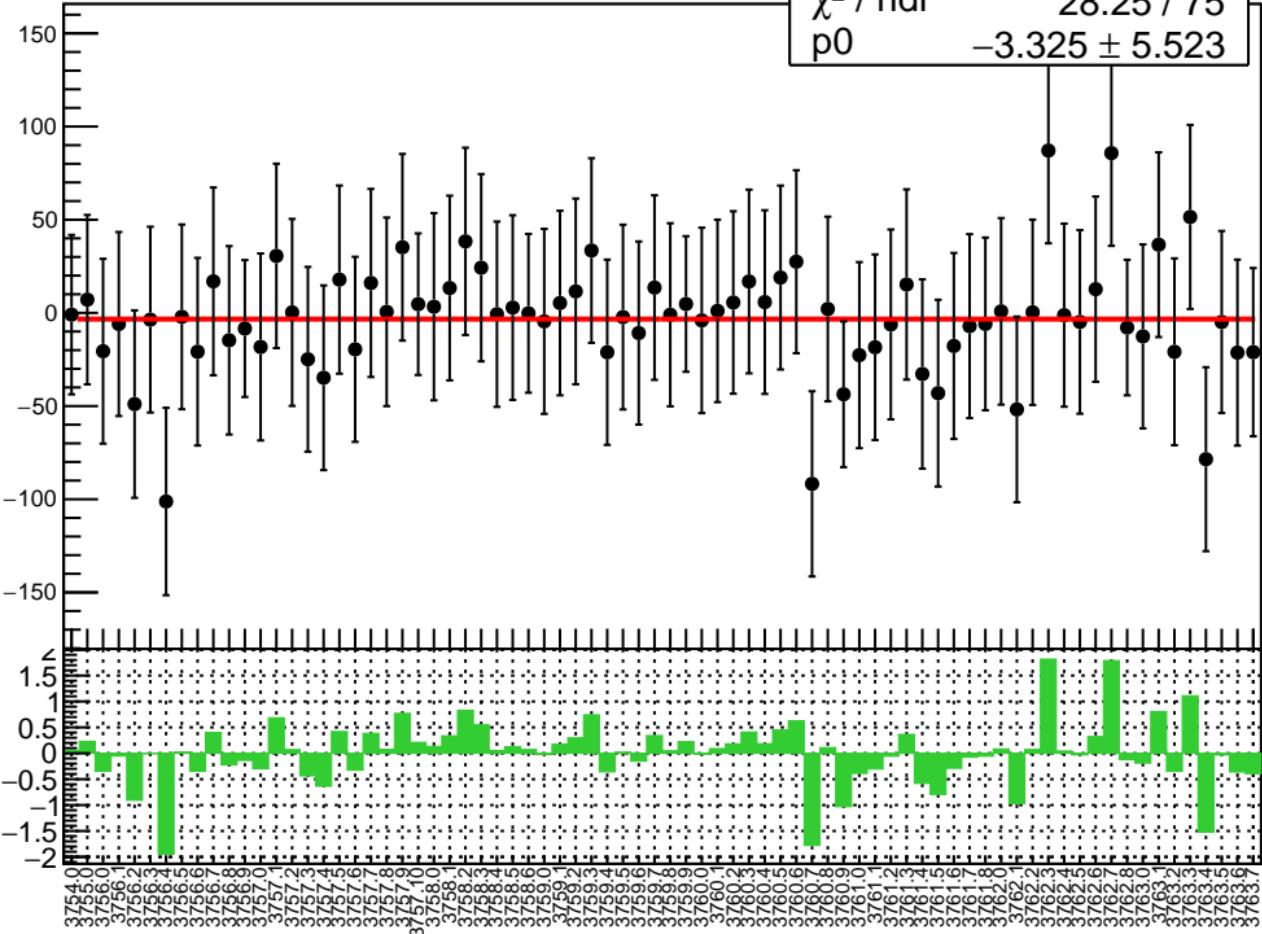
1D pull distribution



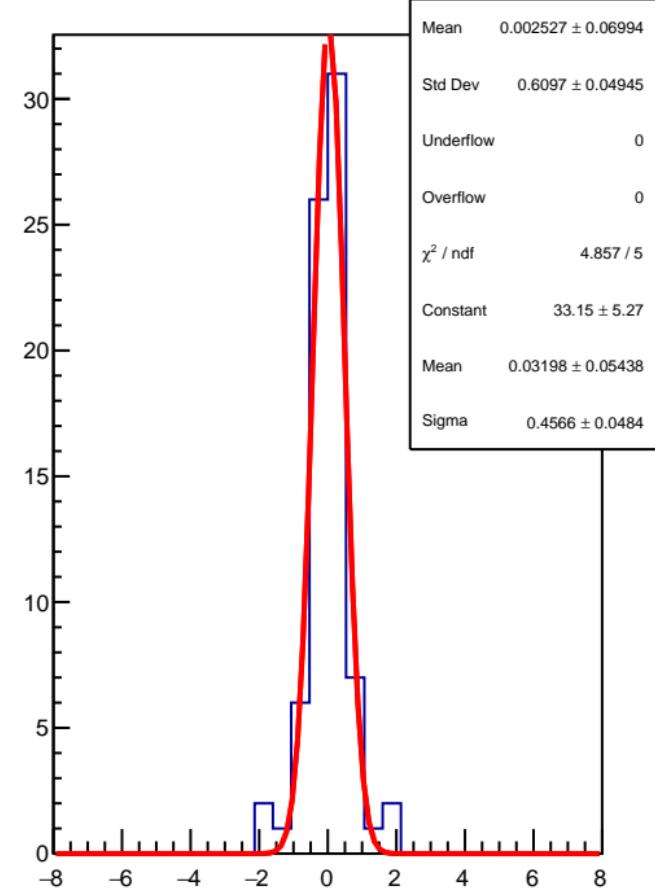
# corr\_usr\_evMon7 RMS (ppm)



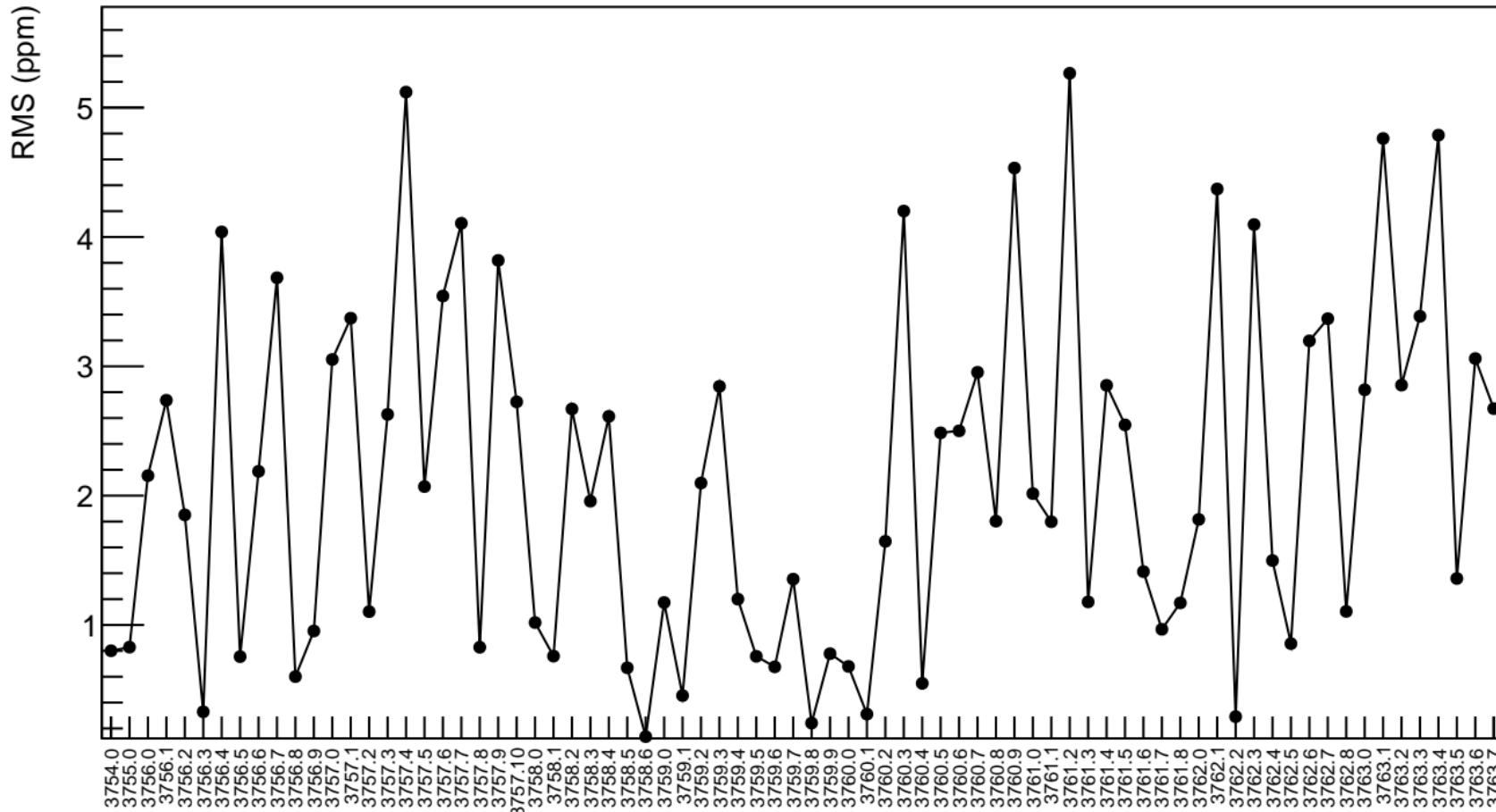
corr\_usr\_evMon8 (ppb)

 $\chi^2 / \text{ndf}$   
 $28.25 / 75$   
 $p_0 \quad -3.325 \pm 5.523$ 


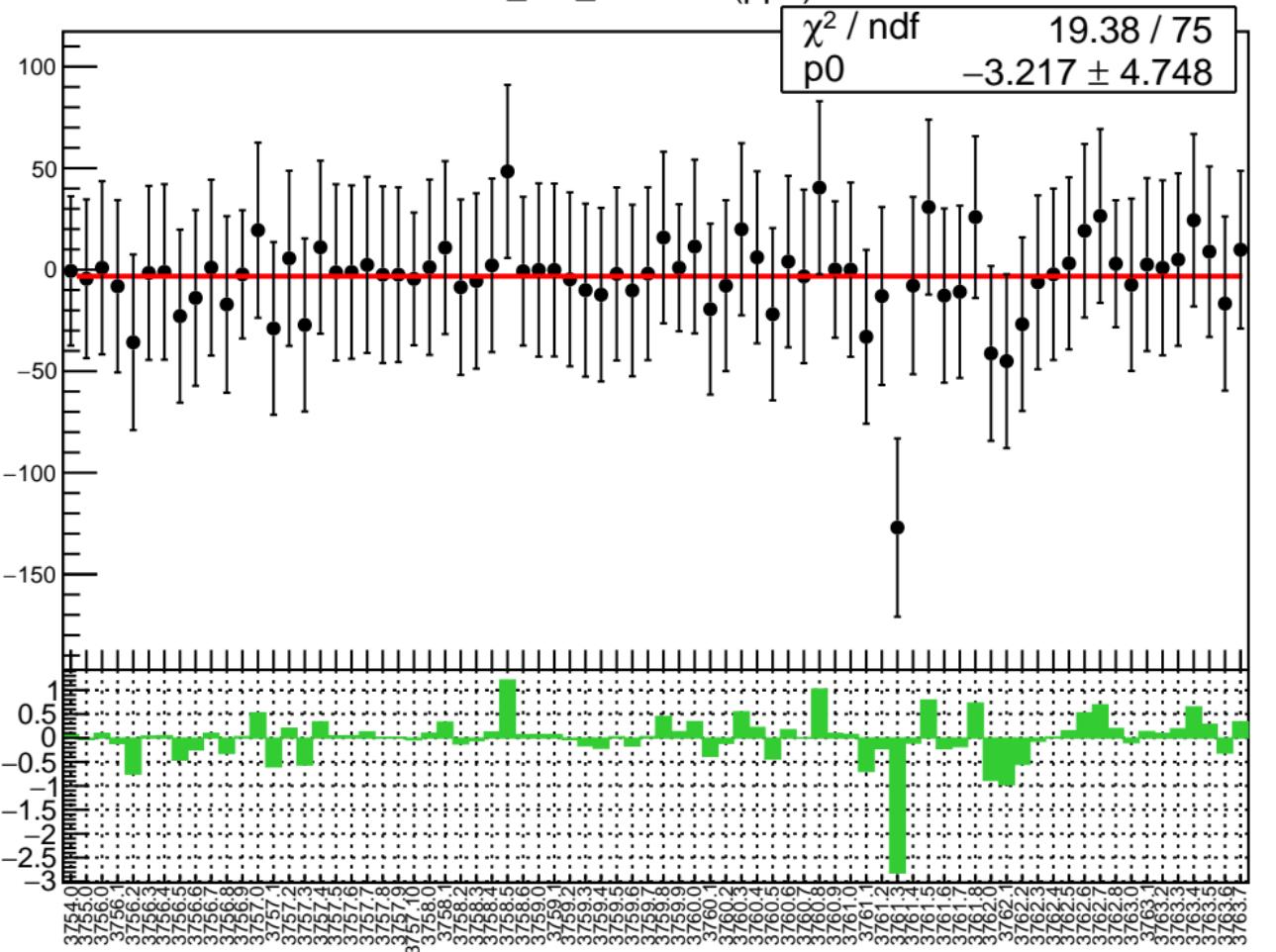
1D pull distribution



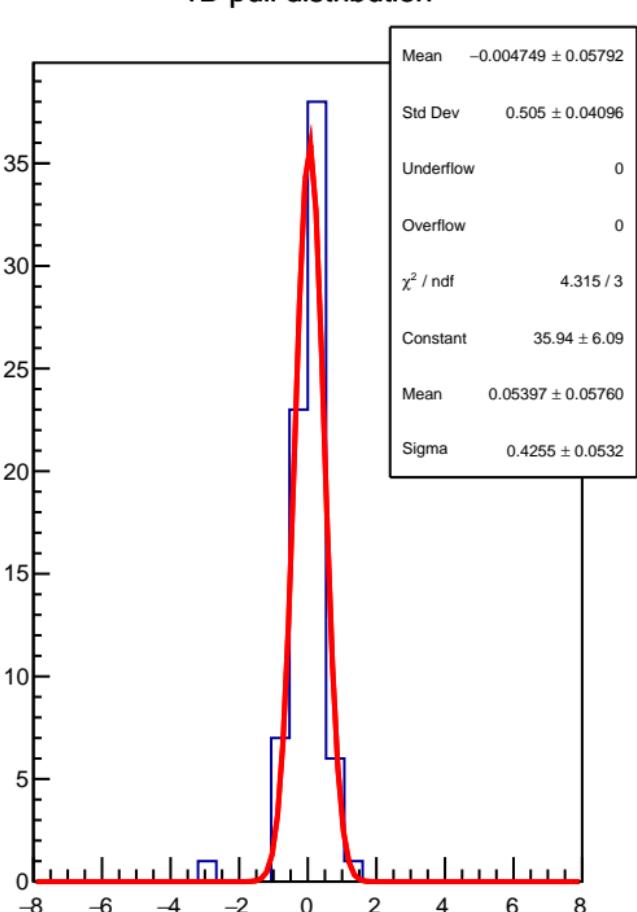
# corr\_usr\_evMon8 RMS (ppm)



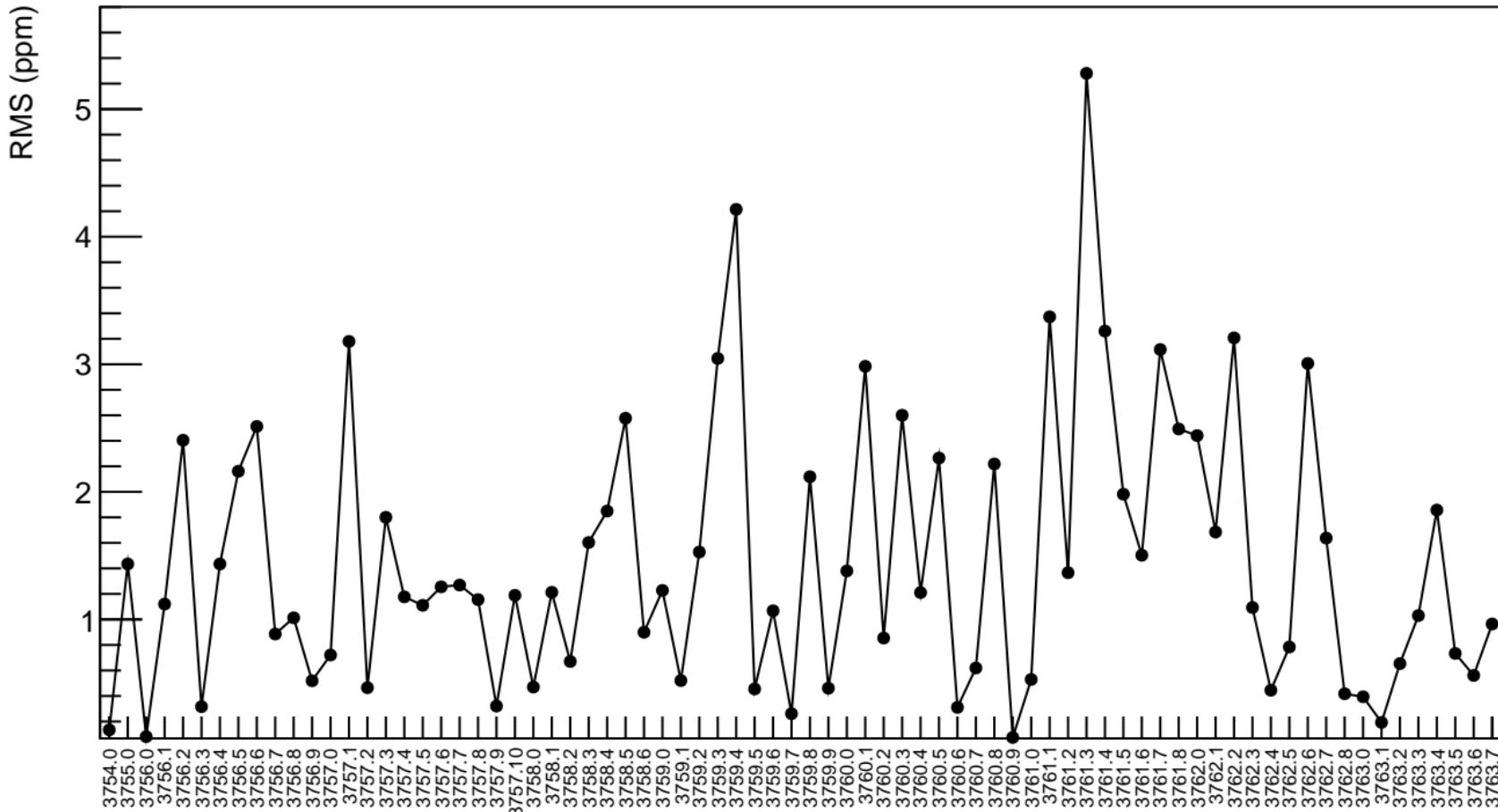
corr\_usr\_evMon9 (ppb)



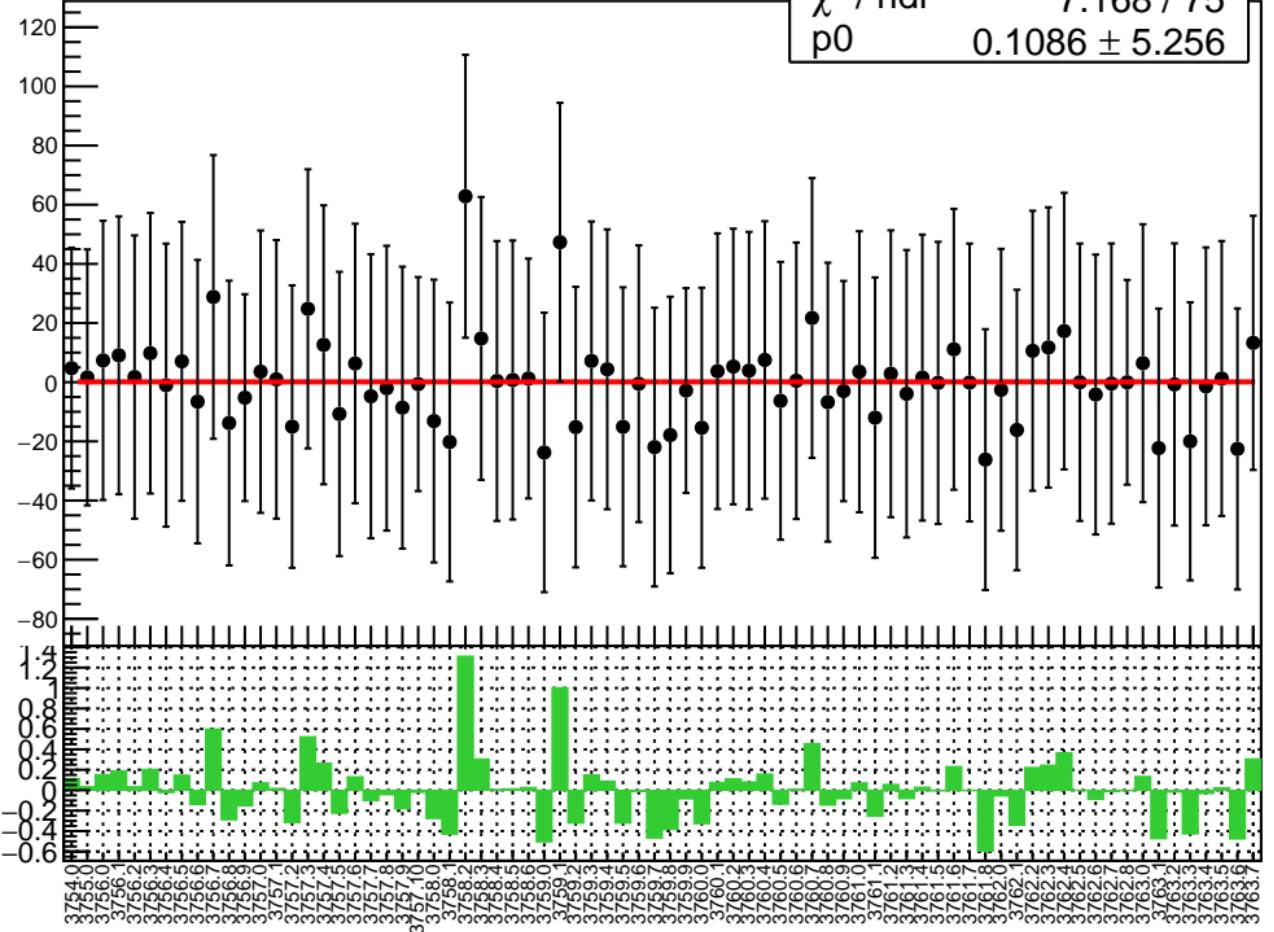
1D pull distribution



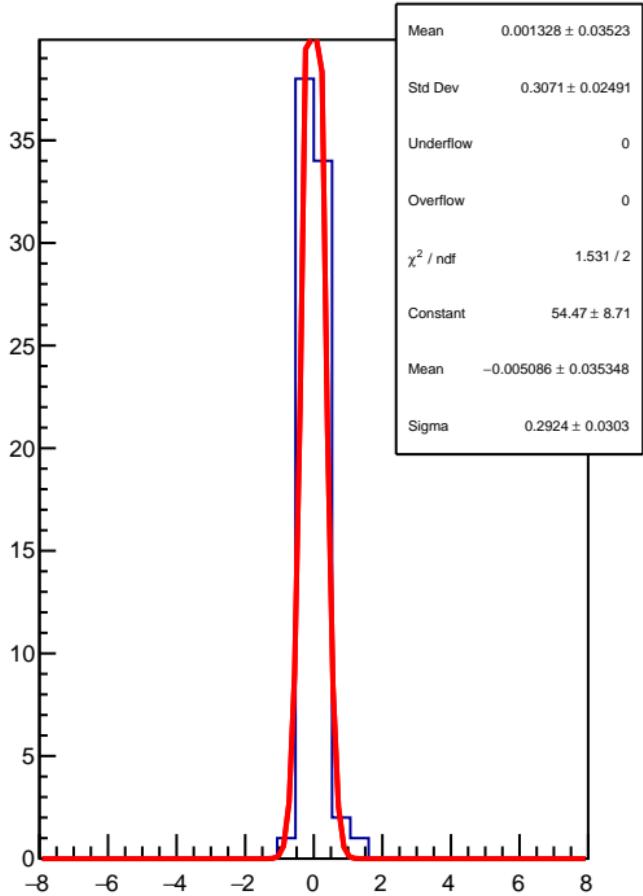
# corr\_usr\_evMon9 RMS (ppm)



corr\_usr\_evMon10 (ppb)

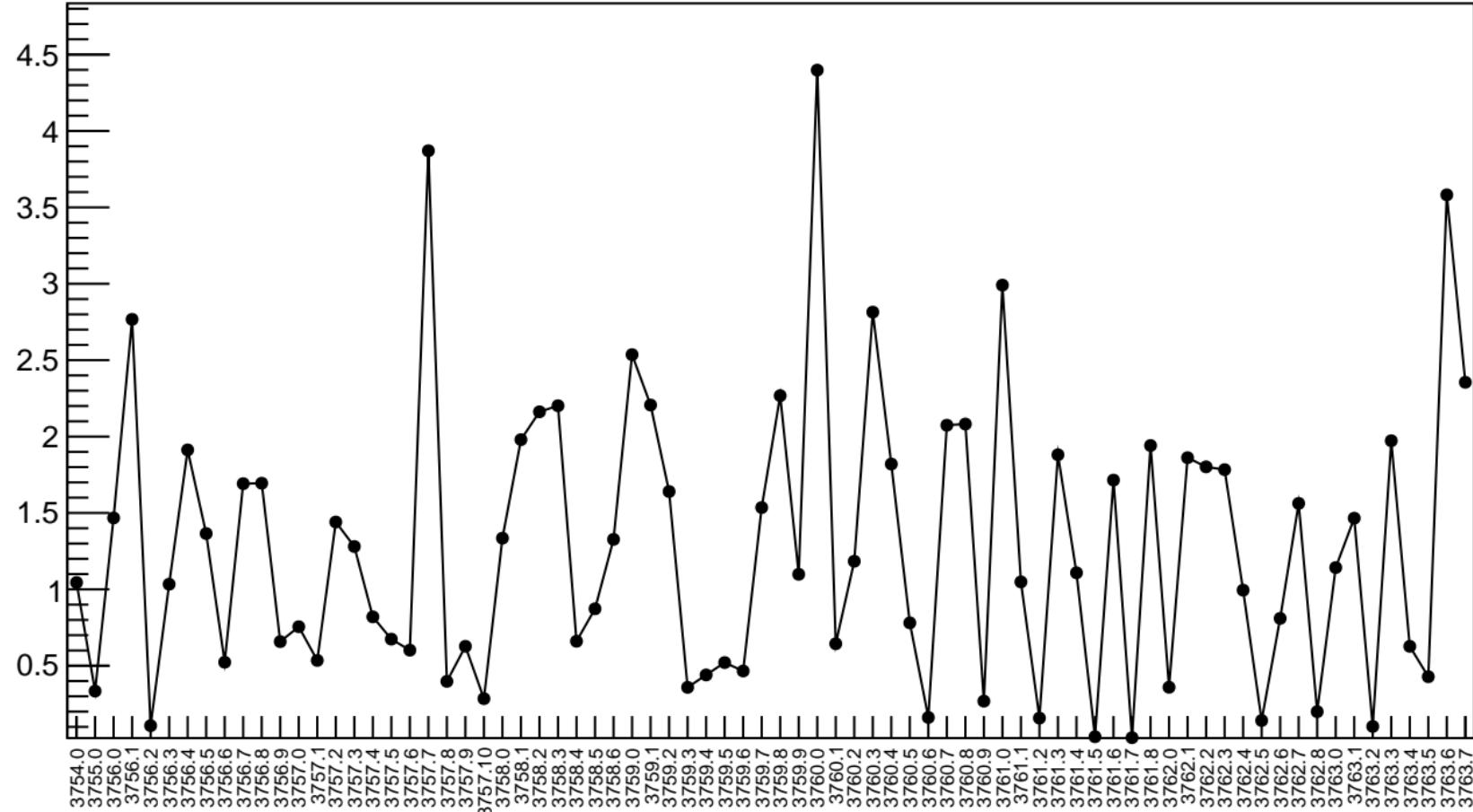
 $\chi^2 / \text{ndf}$   
 7.168 / 75  
 $p_0$   
 $0.1086 \pm 5.256$ 


1D pull distribution



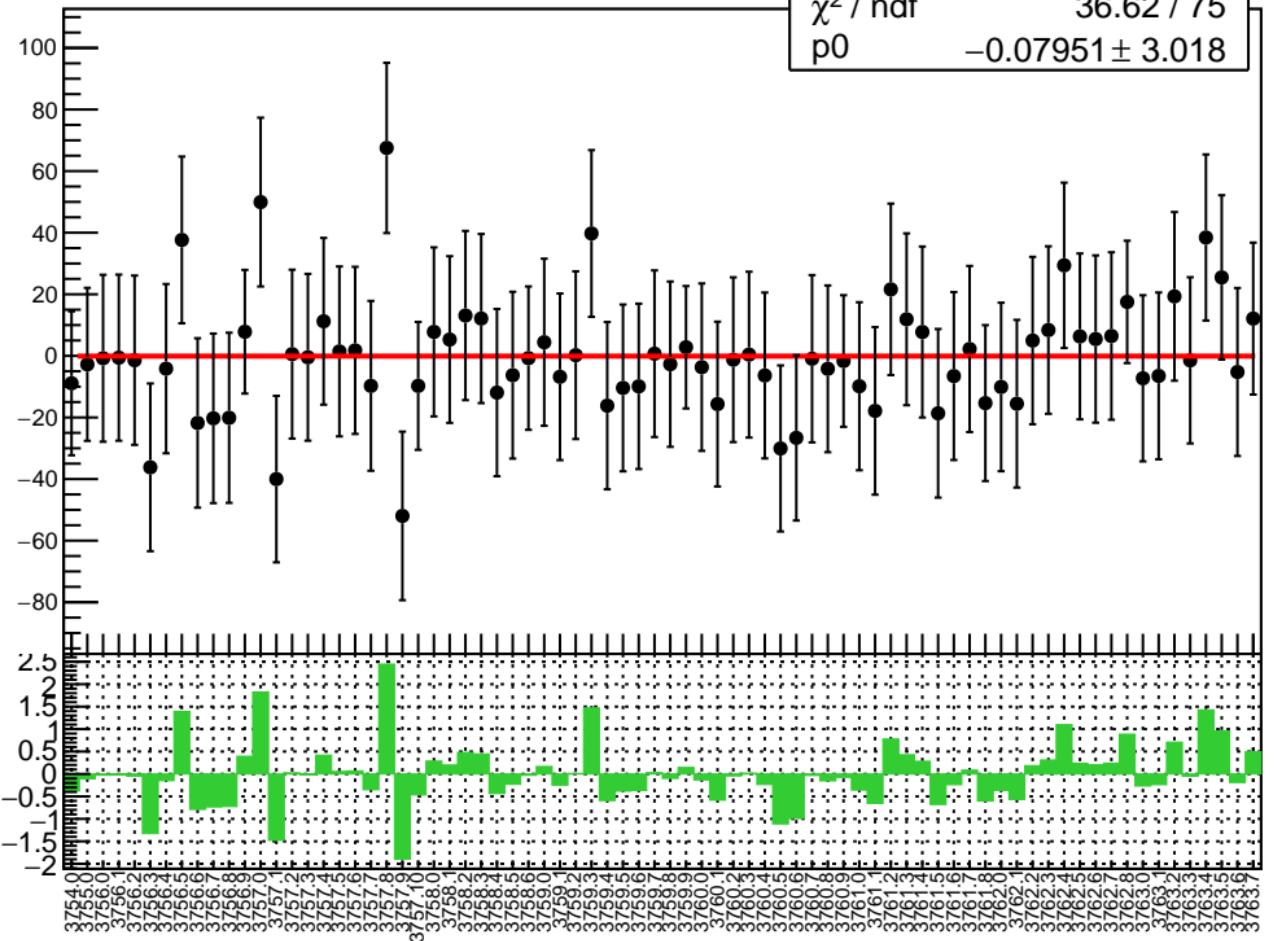
# corr\_usr\_evMon10 RMS (ppm)

RMS (ppm)

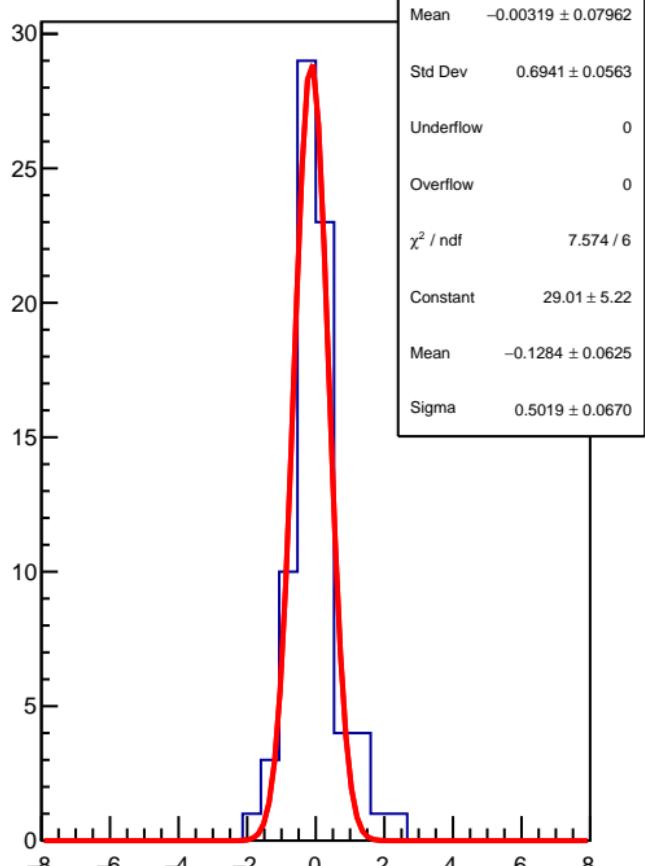


corr\_usr\_evMon11 (ppb)

$\chi^2 / \text{ndf}$  36.62 / 75  
 $p_0$   $-0.07951 \pm 3.018$



1D pull distribution



# corr\_usr\_evMon11 RMS (ppm)

RMS (ppm)

4.5  
4  
3.5  
3  
2.5  
2  
1.5  
1  
0.5

3754.0  
3755.0  
3756.1  
3756.2  
3756.3  
3756.4  
3756.5  
3756.6  
3756.7  
3756.8  
3756.9  
3757.1  
3757.2  
3757.3  
3757.4  
3757.5  
3757.6  
3757.7  
3757.8  
3757.9  
3758.0  
3758.1  
3758.2  
3758.3  
3758.4  
3758.5  
3758.6  
3758.7  
3758.8  
3758.9  
3759.1  
3759.2  
3759.3  
3759.4  
3759.5  
3759.6  
3759.7  
3759.8  
3759.9  
3760.0  
3760.1  
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3760.9  
3761.0  
3761.1  
3761.2  
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3761.5  
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3761.7  
3761.8  
3762.0  
3762.1  
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3762.4  
3762.5  
3762.6  
3763.1  
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3763.3  
3763.4  
3763.5  
3763.6  
3763.7

