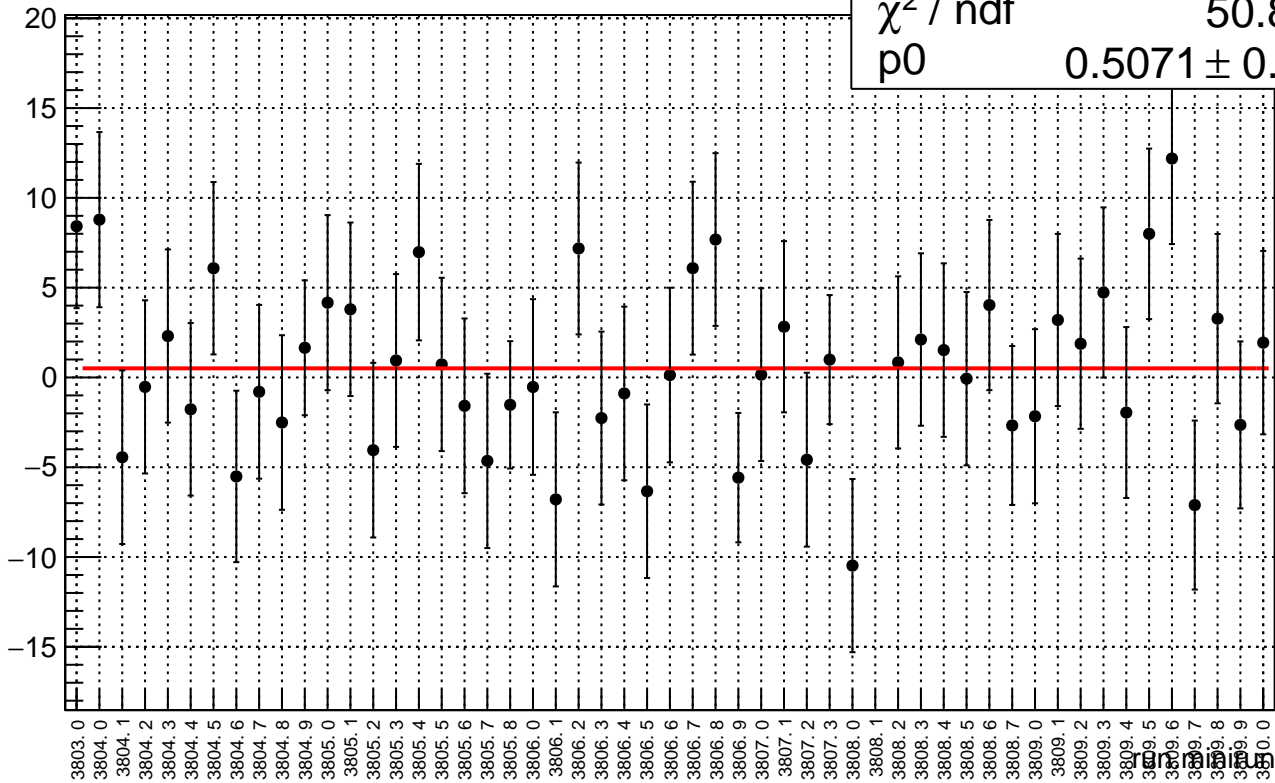


reg\_asym\_atl1\_mean/ppm

$\chi^2 / \text{ndf}$  50.8 / 51  
p0  $0.5071 \pm 0.6471$

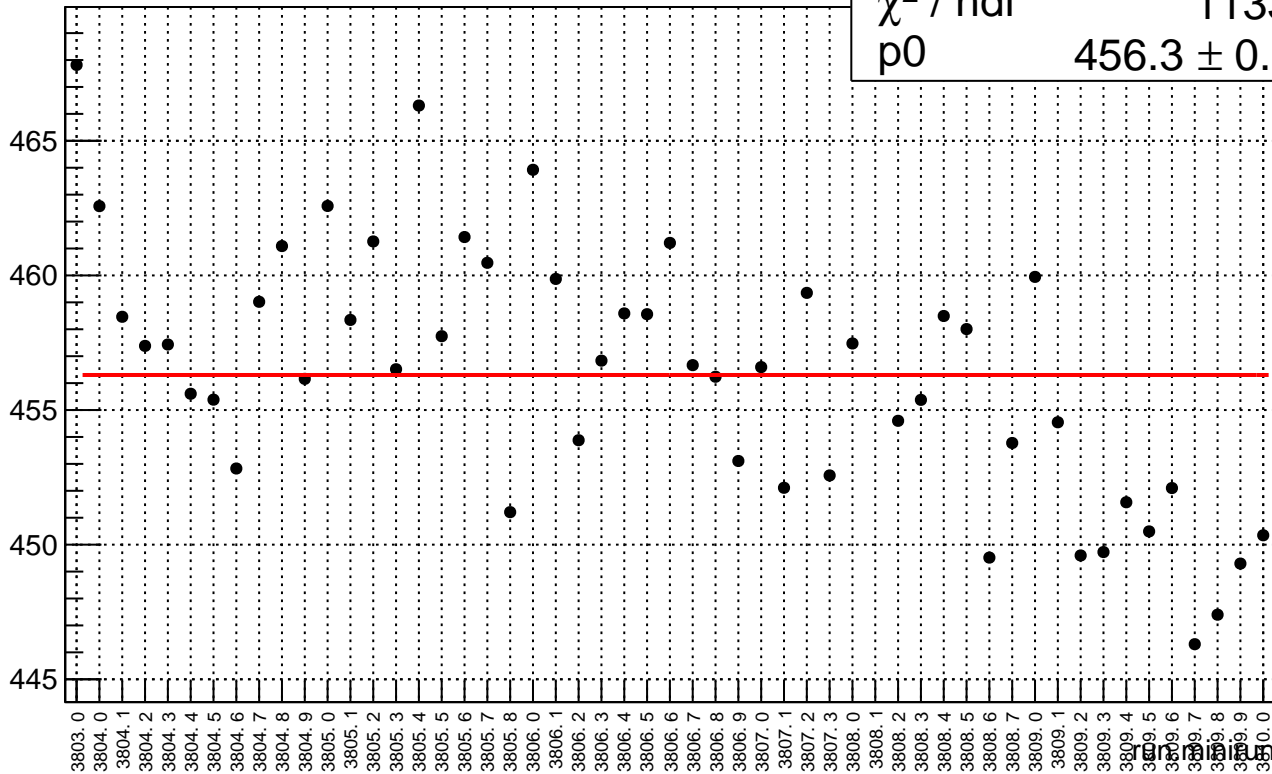
reg\_asym\_atl1\_mean/ppm



reg\_asym\_atl1\_rms/ppm

$\chi^2 / \text{ndf}$  1133 / 51  
p0 456.3  $\pm$  0.6535

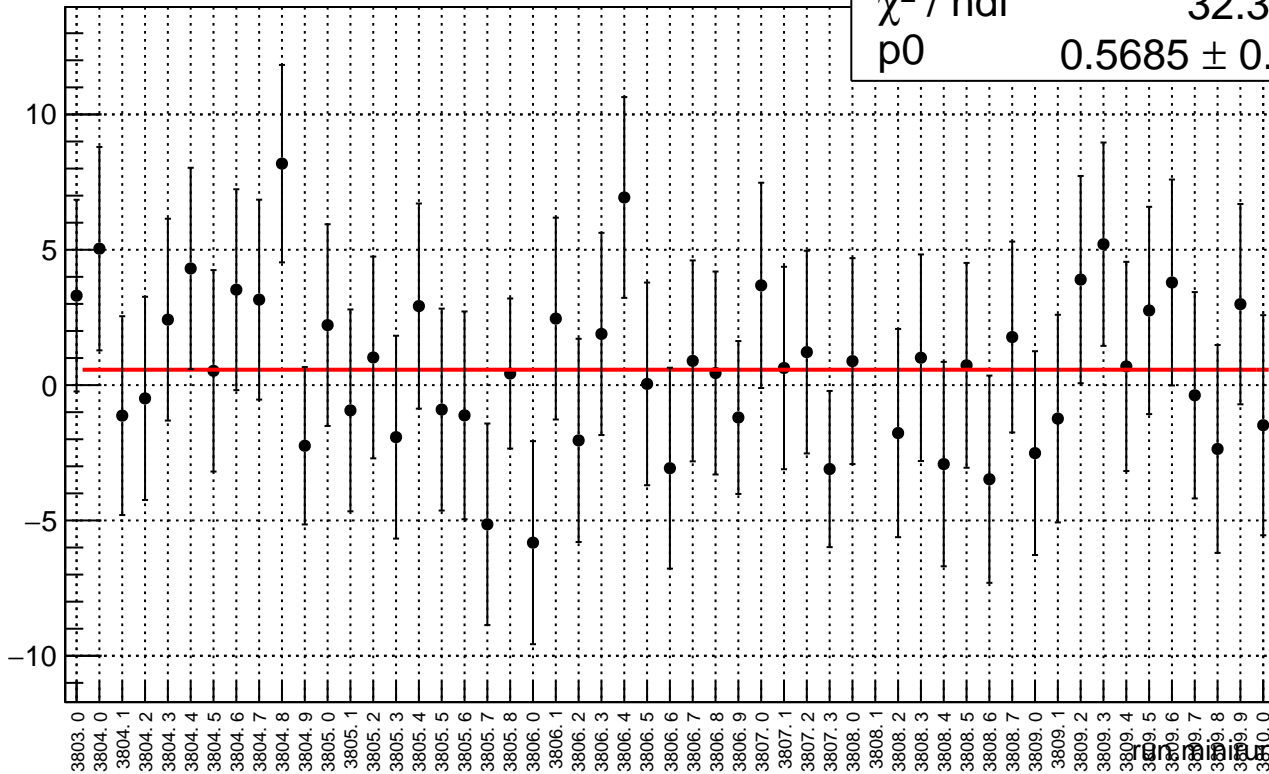
reg\_asym\_atl1\_rms/ppm



reg\_asym\_atl2\_mean/ppm

$\chi^2 / \text{ndf}$  32.32 / 51  
p0 0.5685  $\pm$  0.5063

reg\_asym\_atl2\_mean/ppm

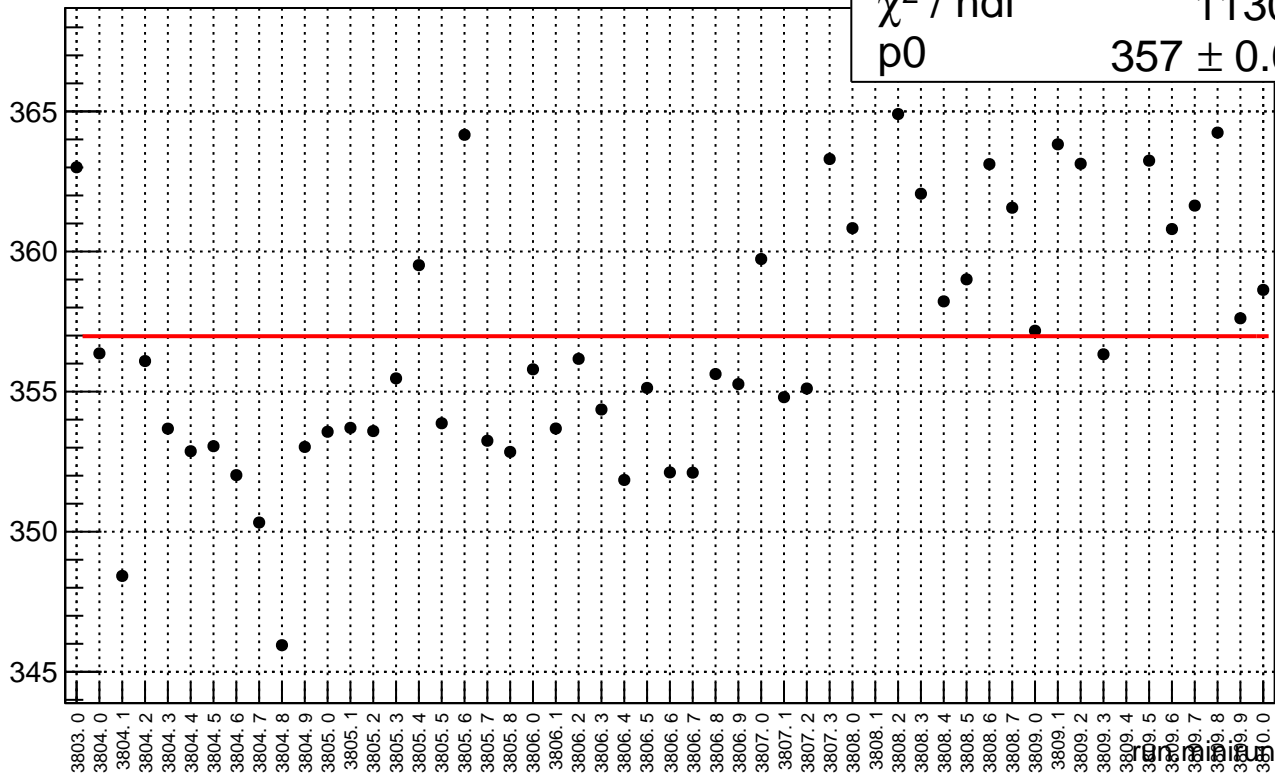


reg\_asym\_atl2\_mean/ppm

reg\_asym\_atl2\_rms/ppm

$\chi^2 / \text{ndf}$  1130 / 51  
p0  $357 \pm 0.6527$

reg\_asym\_atl2\_rms/ppm

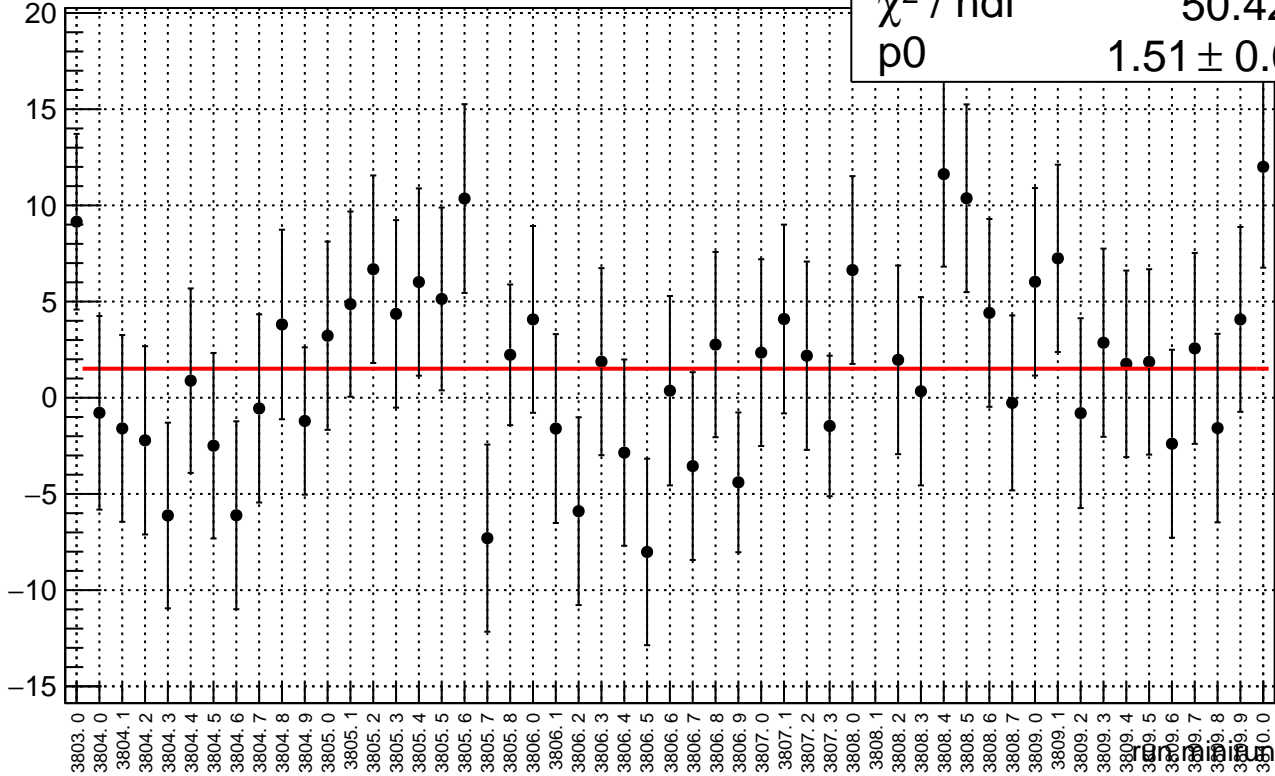


Parameter

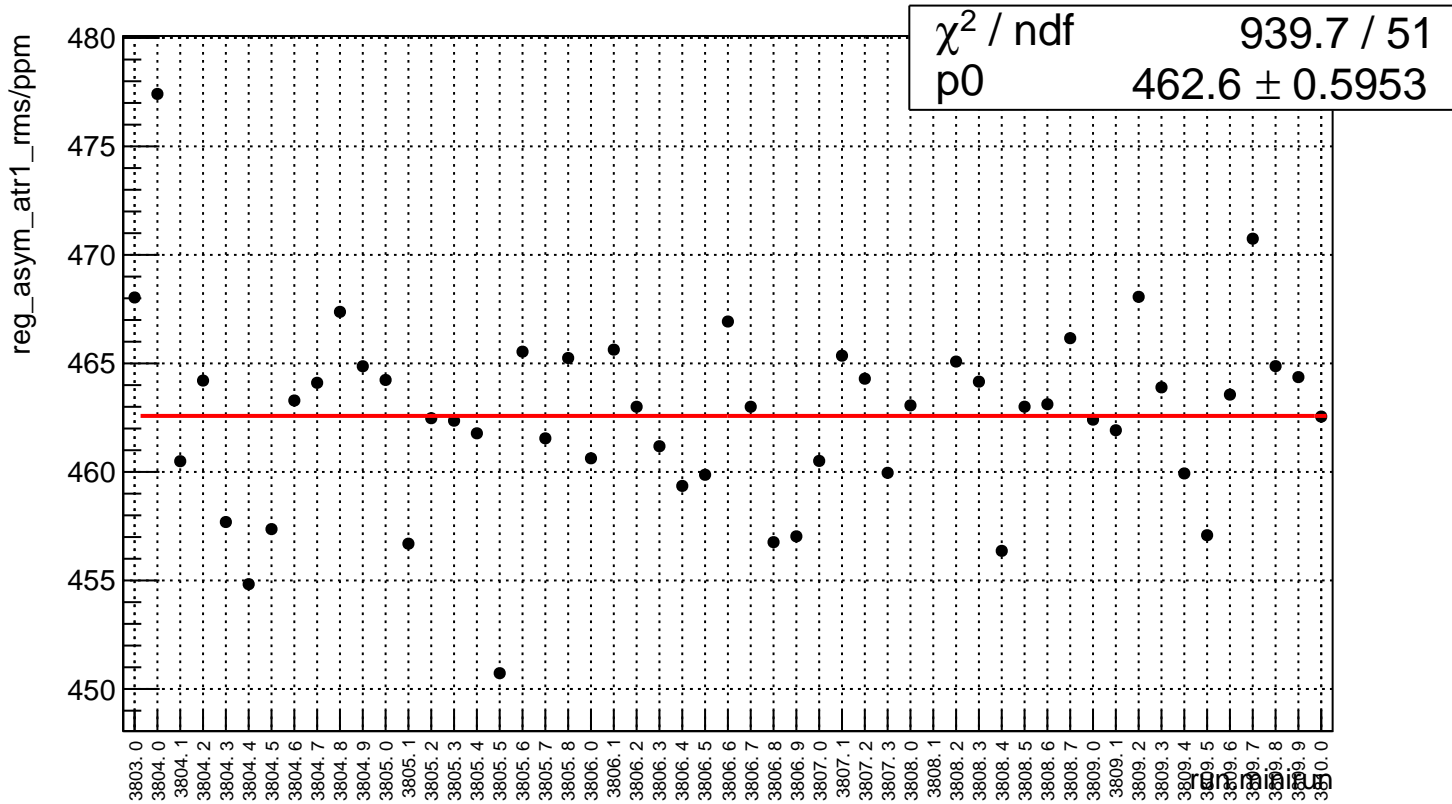
reg\_asym\_atr1\_mean/ppm

$\chi^2 / \text{ndf}$  50.42 / 51  
p0  $1.51 \pm 0.6562$

reg\_asym\_atr1\_mean/ppm

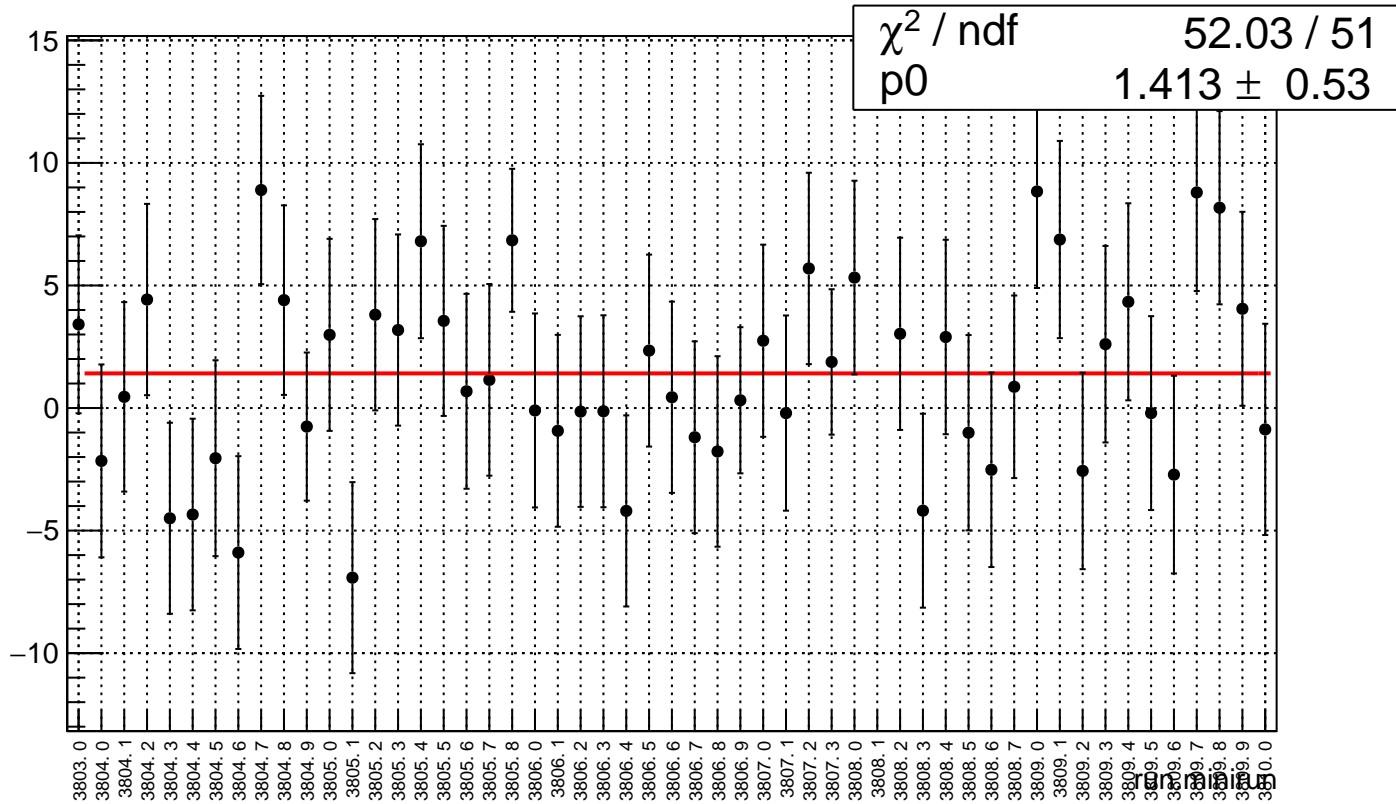


# reg\_asym\_atr1\_rms/ppm

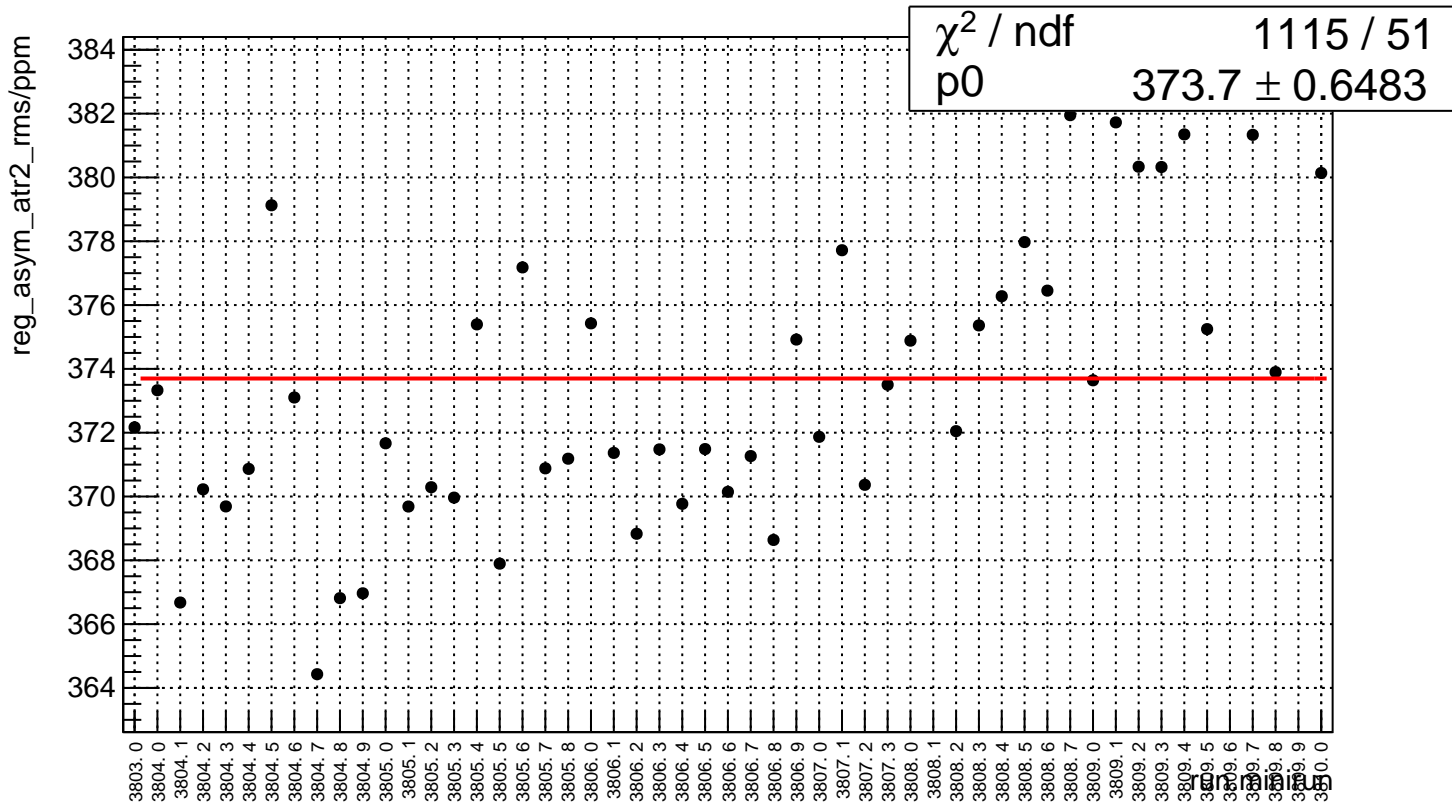


# reg\_asym\_atr2\_mean/ppm

reg\_asym\_atr2\_mean/ppm



# reg\_asym\_atr2\_rms/ppm

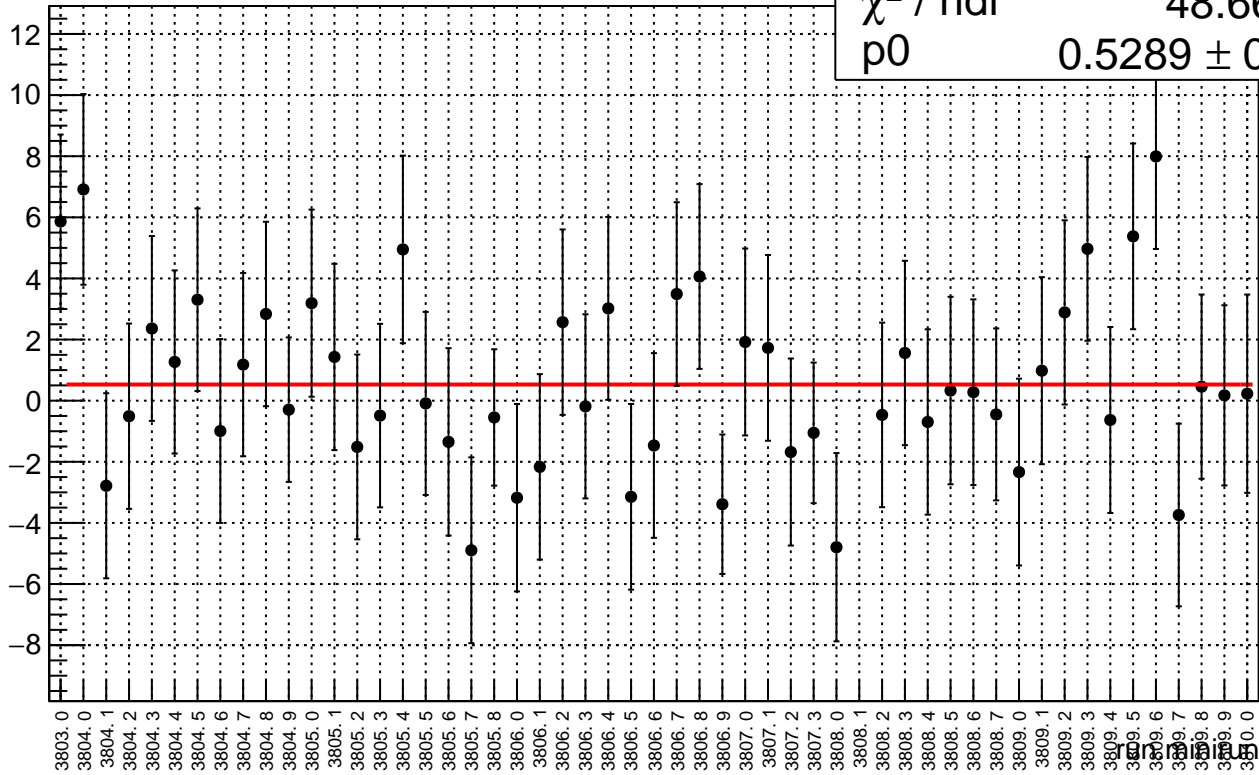




# reg\_asym\_atl\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  48.66 / 51  
 p0  $0.5289 \pm 0.408$

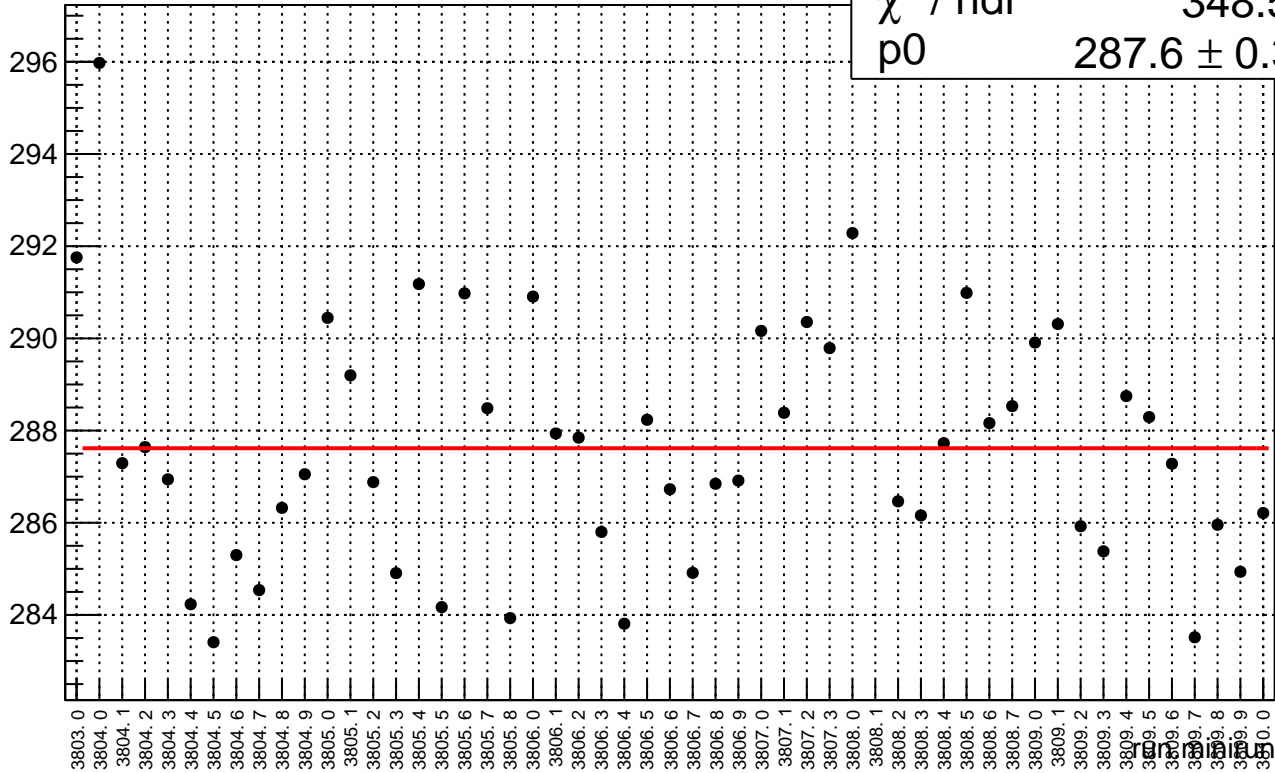
reg\_asym\_atl\_avg\_mean/ppm



# reg\_asym\_atl\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  348.5 / 51  
 p0 287.6 ± 0.3625

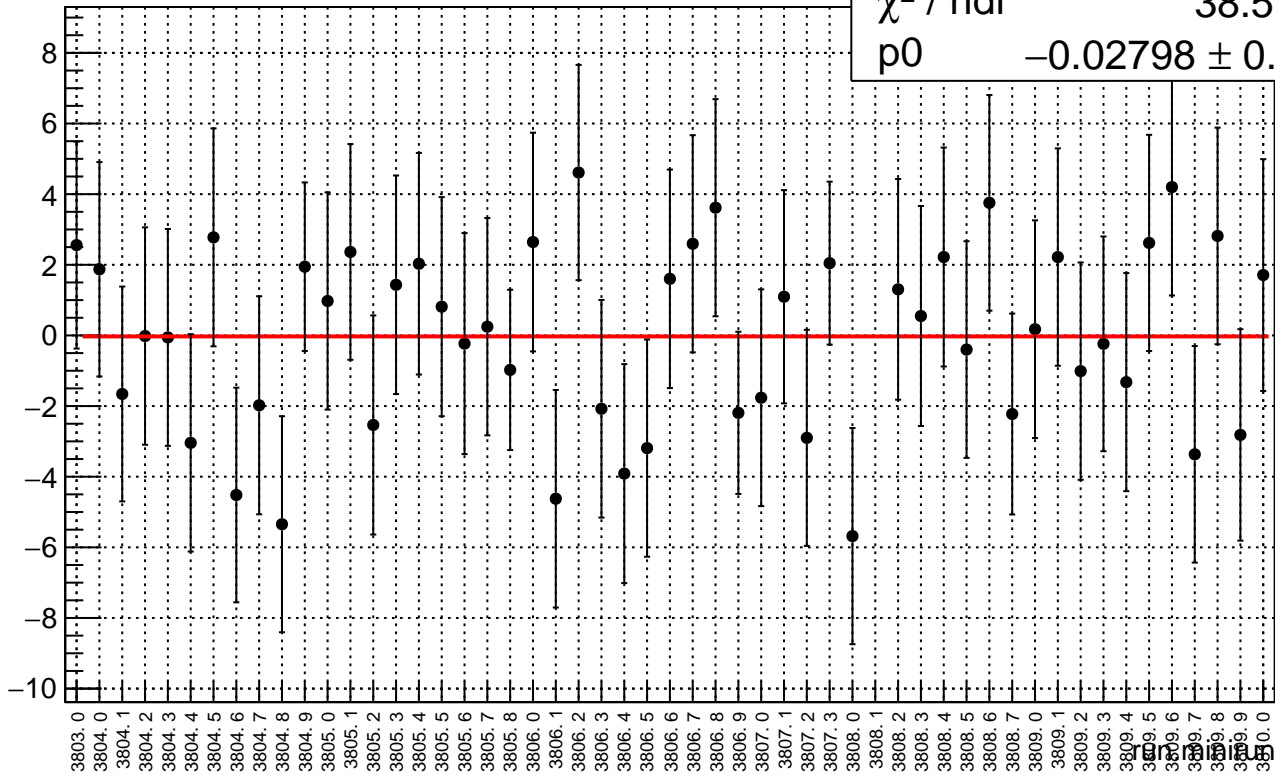
reg\_asym\_atl\_avg\_rms/ppm



# reg\_asym\_atl\_dd\_mean/ppm

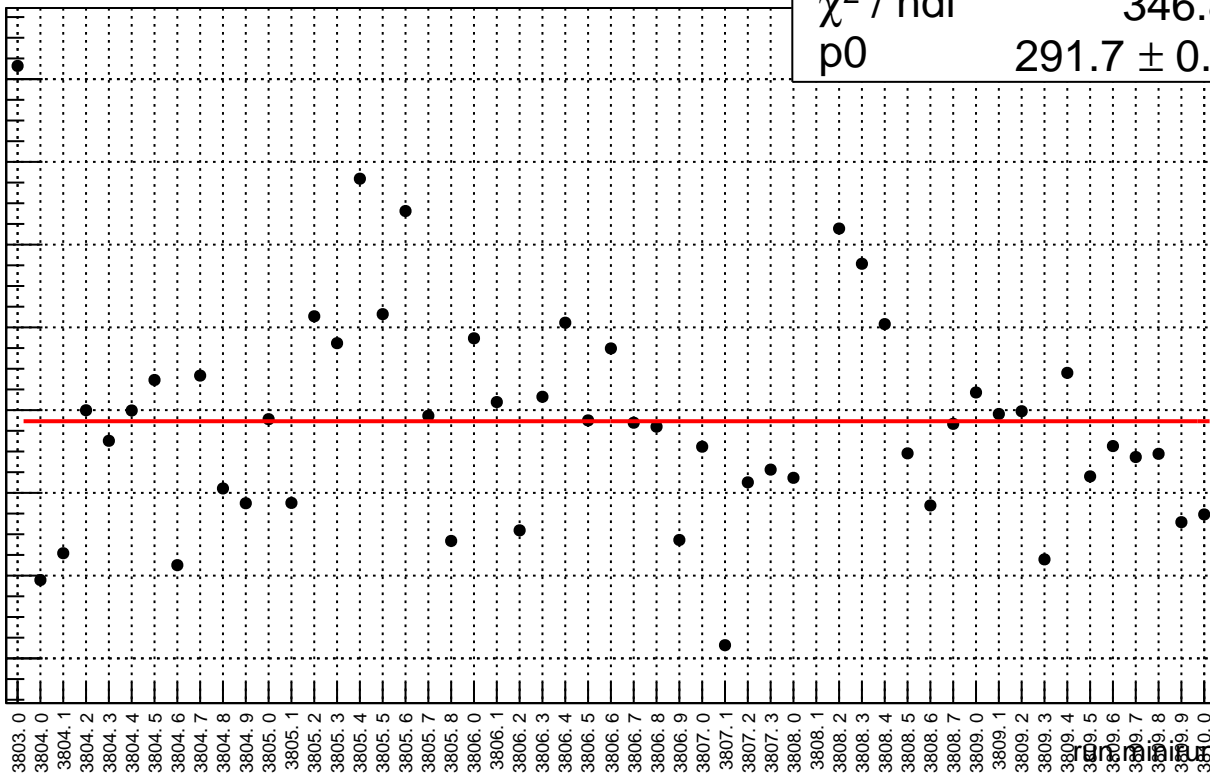
$\chi^2 / \text{ndf}$  38.59 / 51  
 p0  $-0.02798 \pm 0.4137$

reg\_asym\_atl\_dd\_mean/ppm



## reg\_asym\_atl\_dd\_rms/ppm

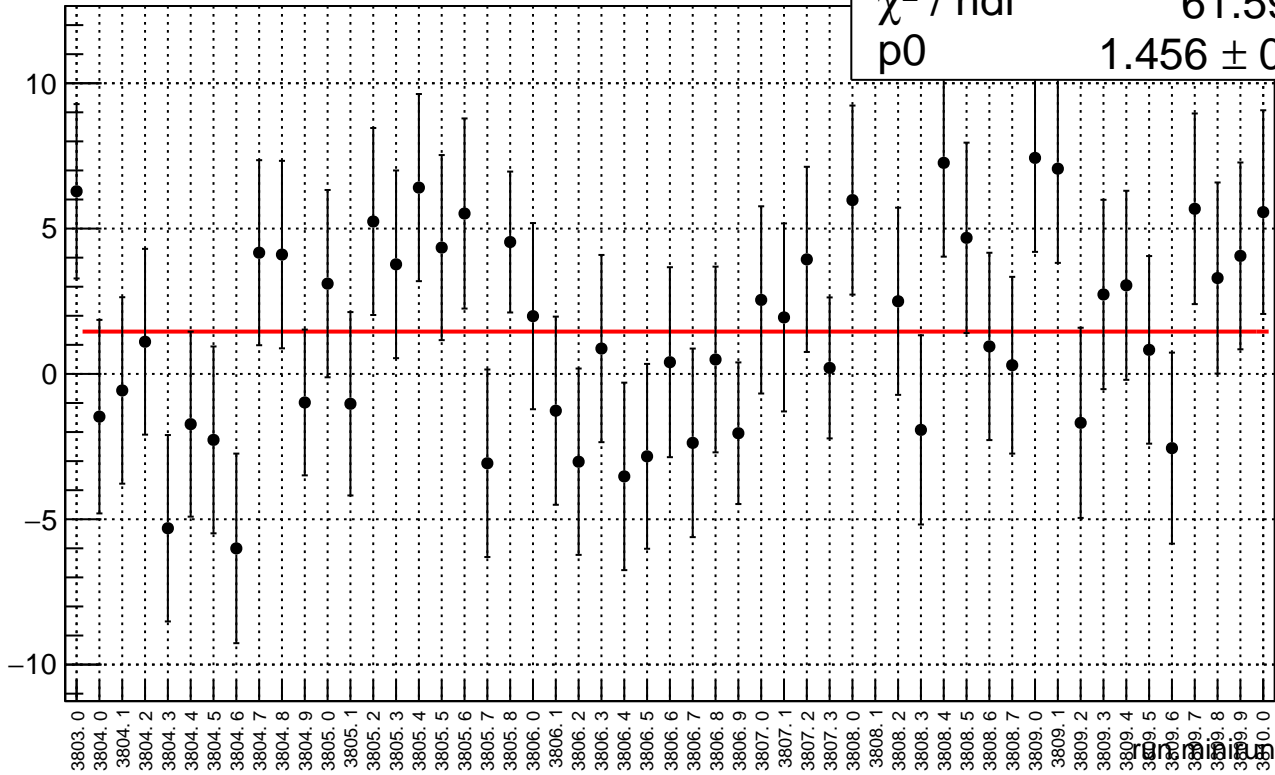
reg\_asym\_atl\_dd\_rms/ppm

300  
298  
296  
294  
292  
290  
288  
286 $\chi^2 / \text{ndf}$   
p0346.8 / 51  
 $291.7 \pm 0.3616$ 

reg\_asym\_atr\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  61.59 / 51  
p0  $1.456 \pm 0.435$

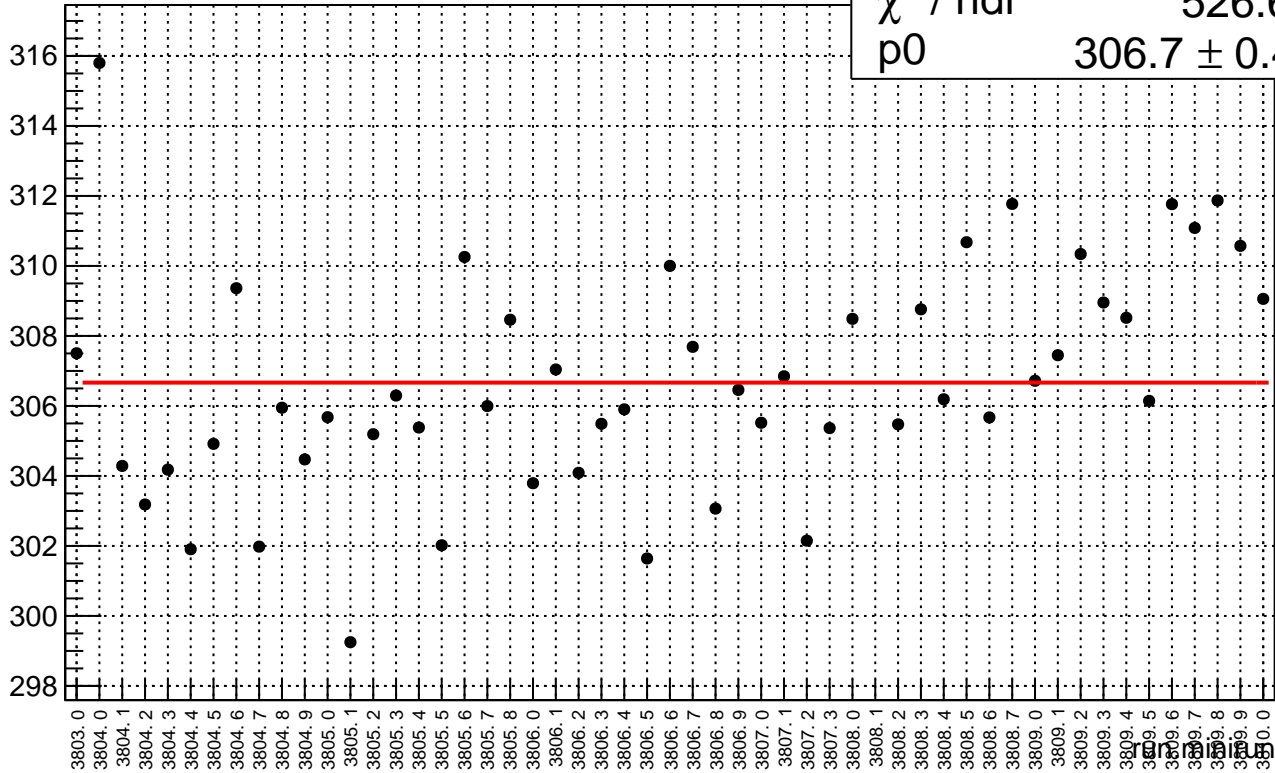
reg\_asym\_atr\_avg\_mean/ppm



reg\_asym\_atr\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  526.6 / 51  
p0 306.7 ± 0.4456

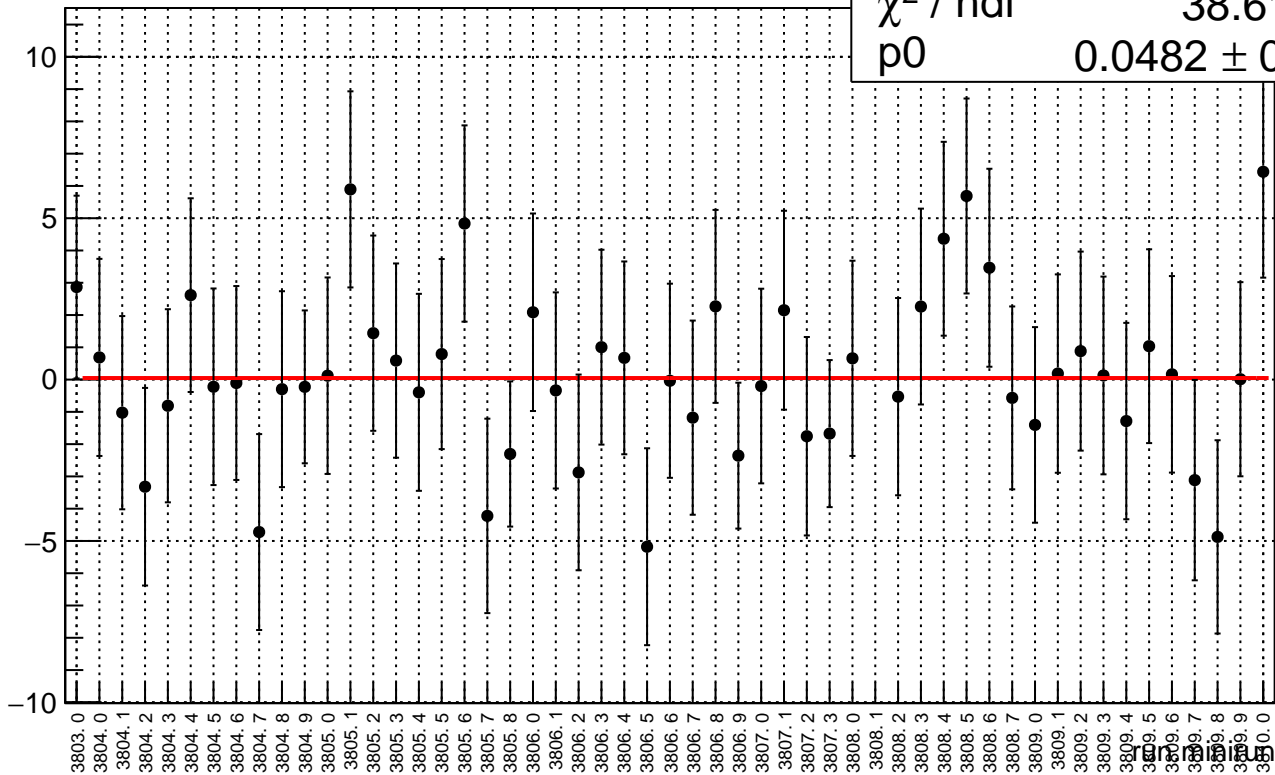
reg\_asym\_atr\_avg\_rms/ppm



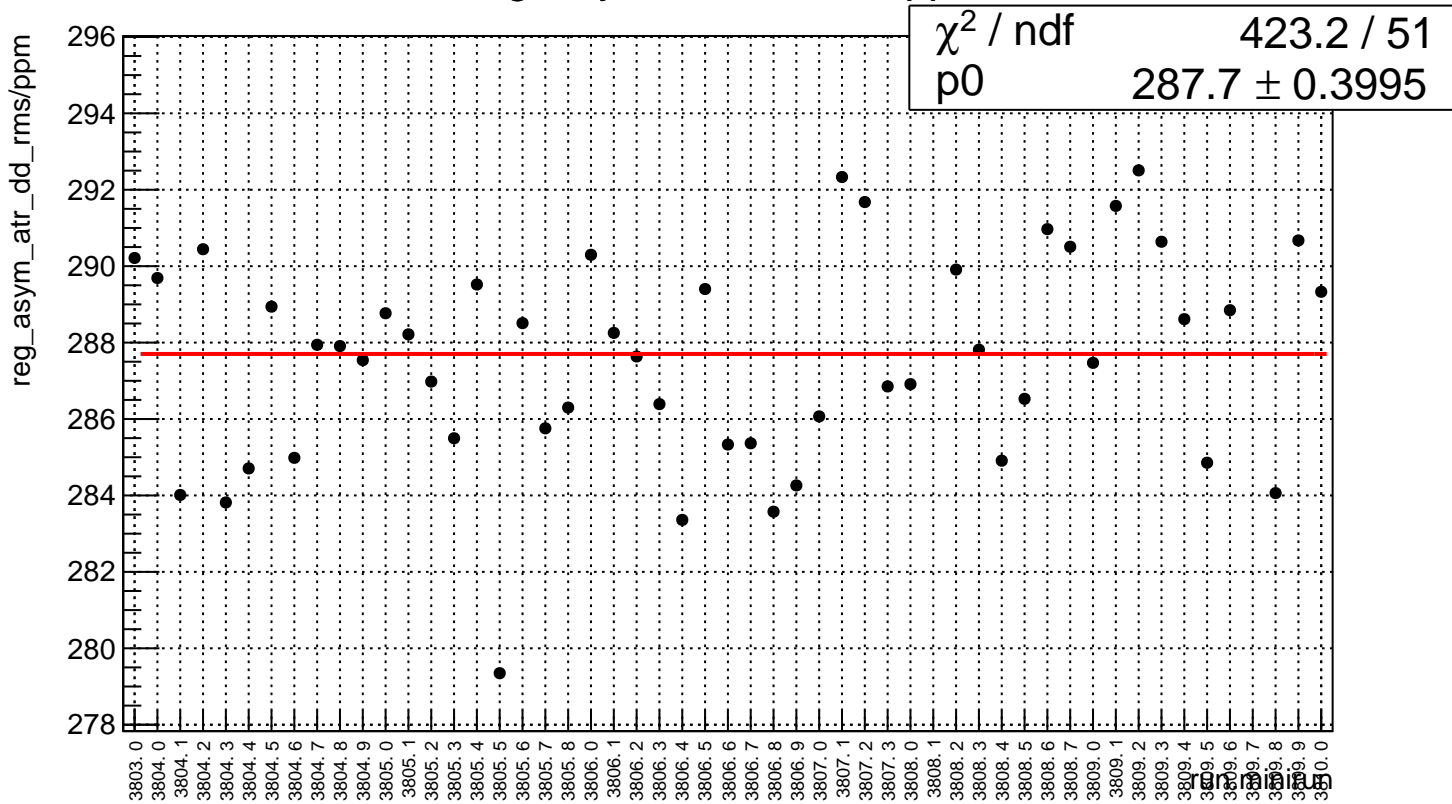
reg\_asym\_atr\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  38.61 / 51  
p0  $0.0482 \pm 0.408$

reg\_asym\_atr\_dd\_mean/ppm



# reg\_asym\_atr\_dd\_rms/ppm

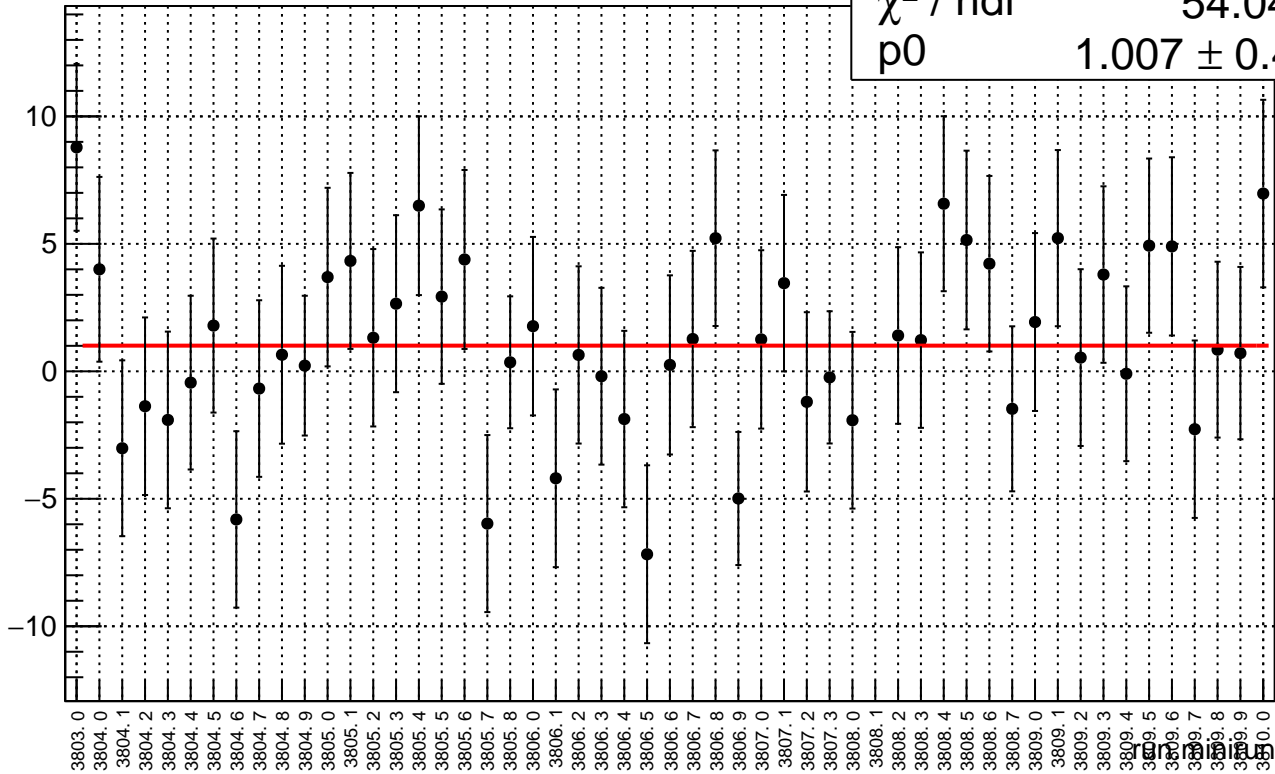




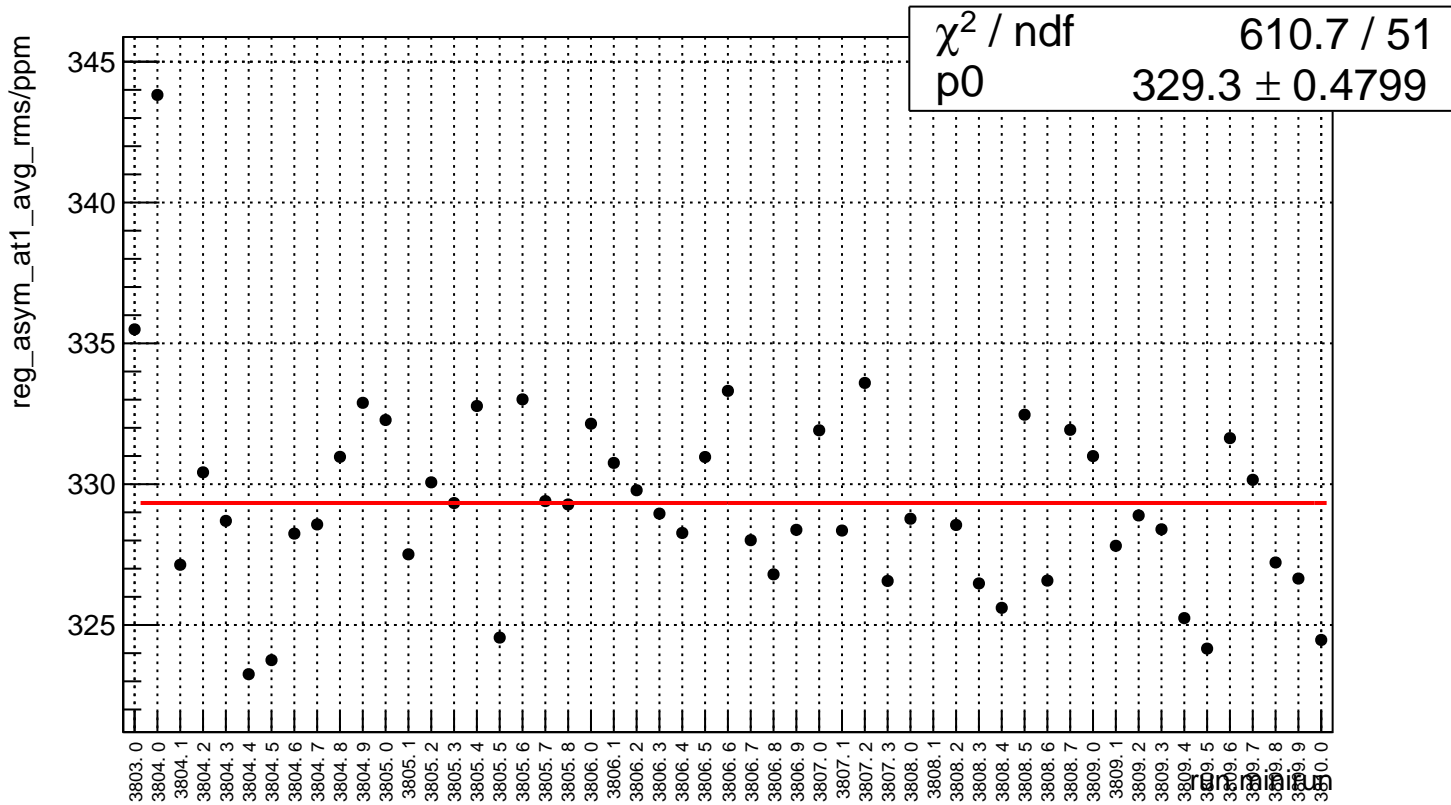
reg\_asym\_at1\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  54.04 / 51  
p0  $1.007 \pm 0.4672$

reg\_asym\_at1\_avg\_mean/ppm



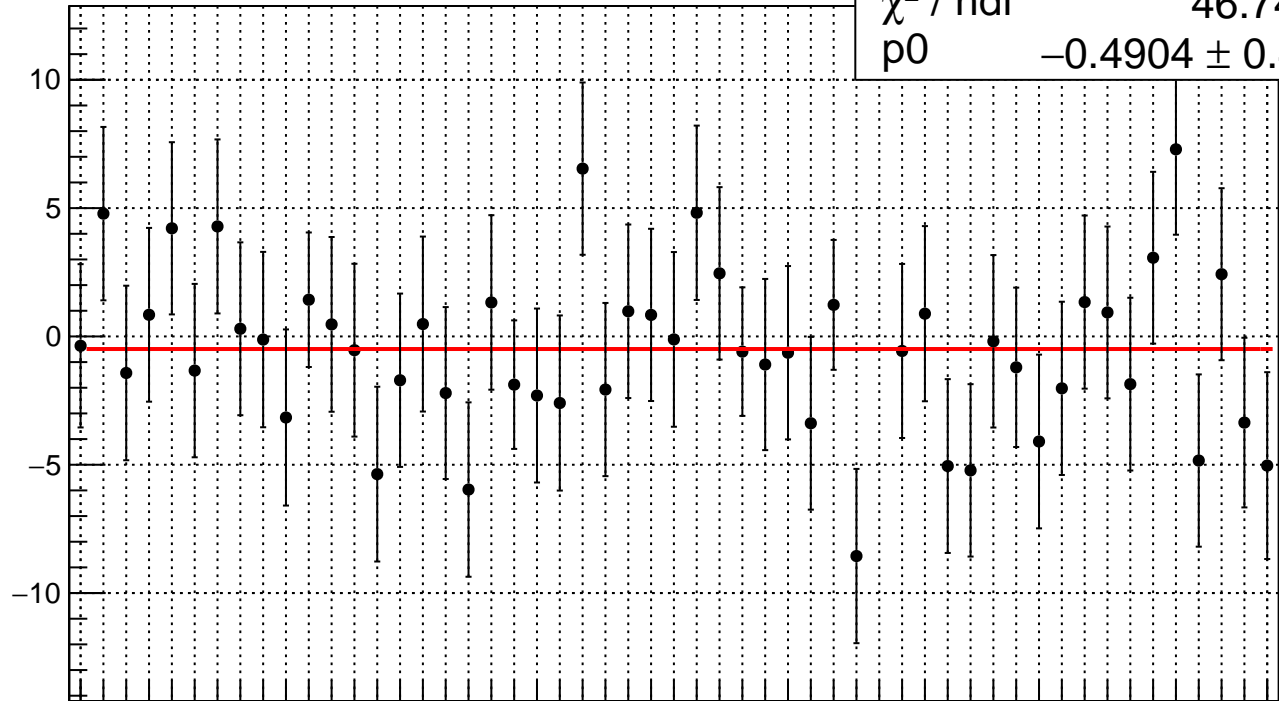
## reg\_asym\_at1\_avg\_rms/ppm



# reg\_asym\_at1\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  46.74 / 51  
 p0  $-0.4904 \pm 0.4543$

reg\_asym\_at1\_dd\_mean/ppm



Parameter

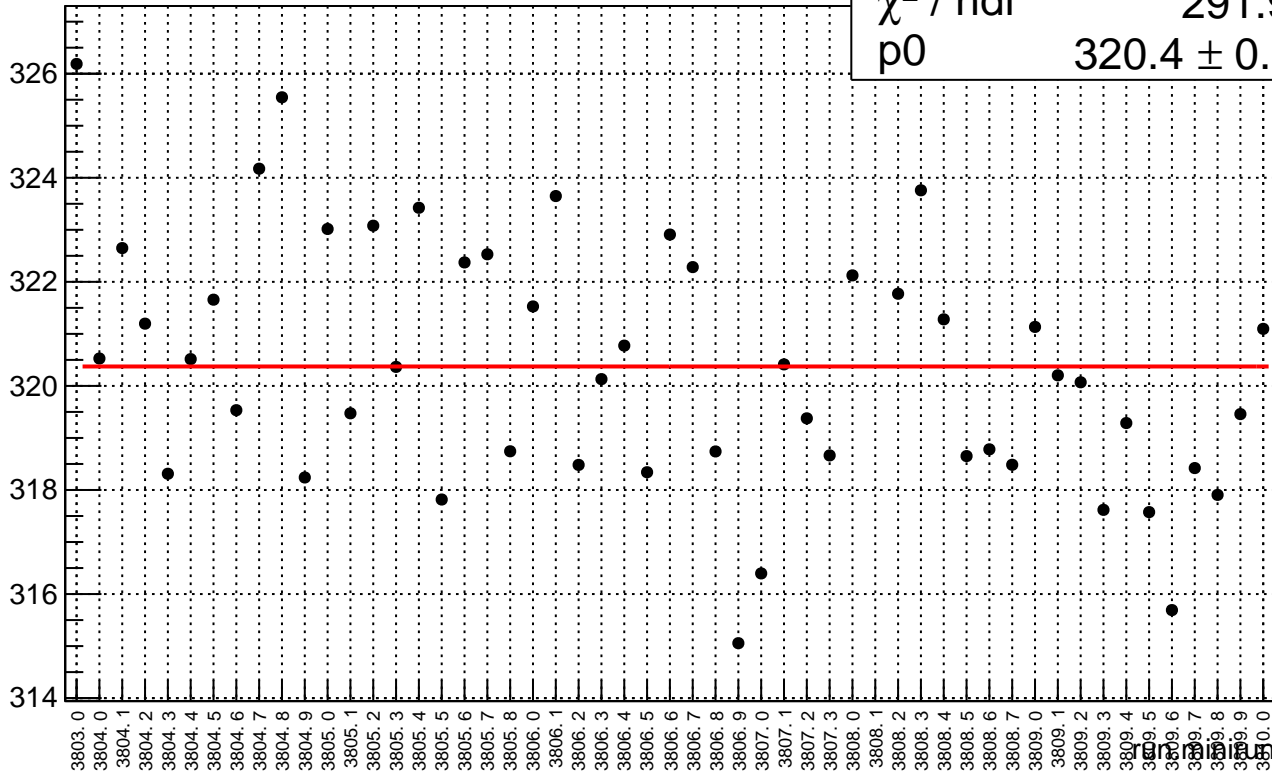
reg\_asym\_at1\_dd\_rms/ppm

$\chi^2 / \text{ndf}$   
p0

291.9 / 51

$320.4 \pm 0.3318$

reg\_asym\_at1\_dd\_rms/ppm

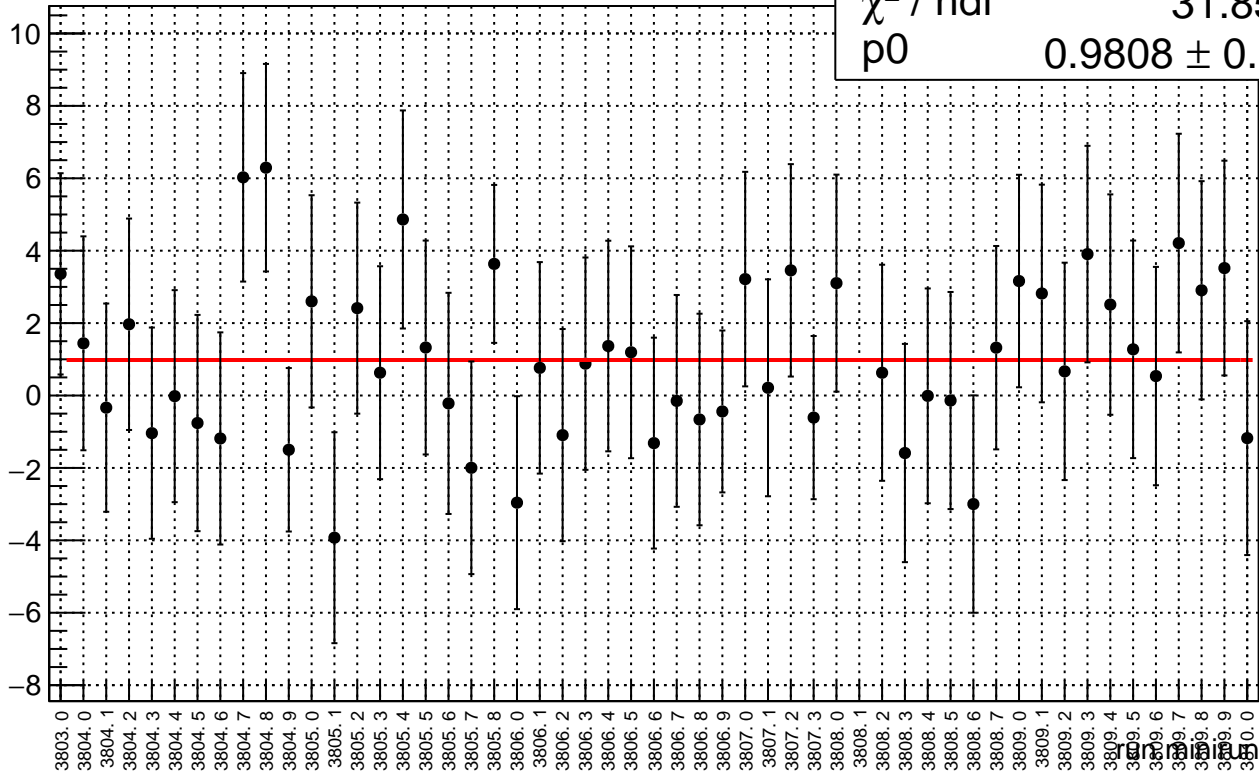


Parameter

reg\_asym\_at2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  31.85 / 51  
p0 0.9808  $\pm$  0.3983

reg\_asym\_at2\_avg\_mean/ppm

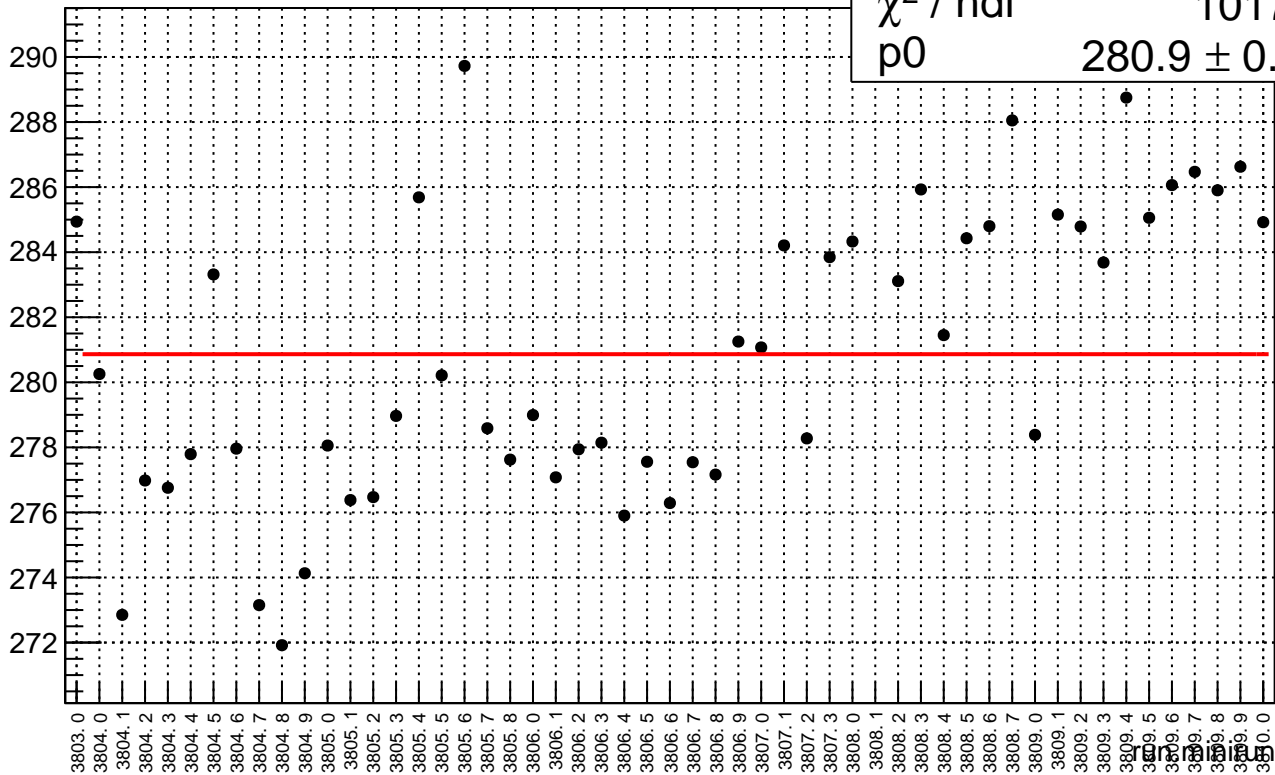


parameter

reg\_asym\_at2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  1017 / 51  
p0  $280.9 \pm 0.6191$

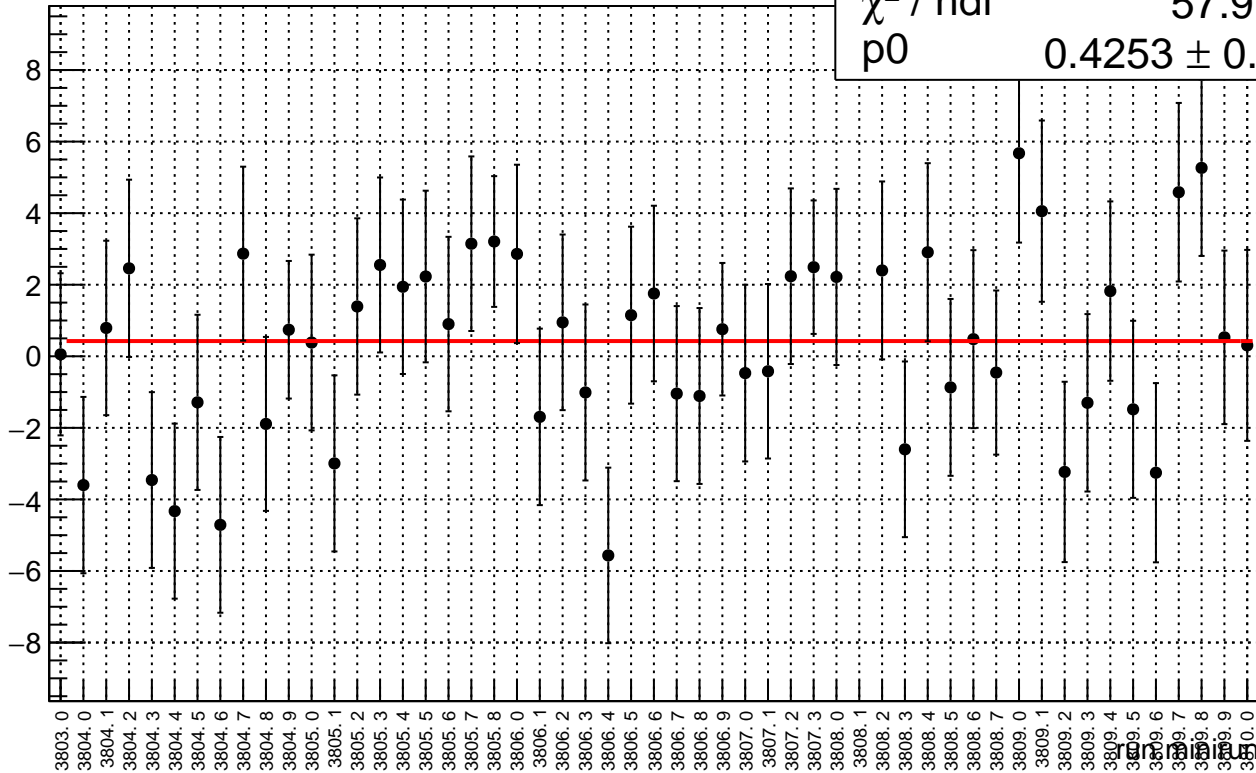
reg\_asym\_at2\_avg\_rms/ppm



# reg\_asym\_at2\_dd\_mean/ppm

reg\_asym\_at2\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  57.97 / 51  
 p0  $0.4253 \pm 0.3316$



## reg\_asym\_at2\_dd\_rms/ppm

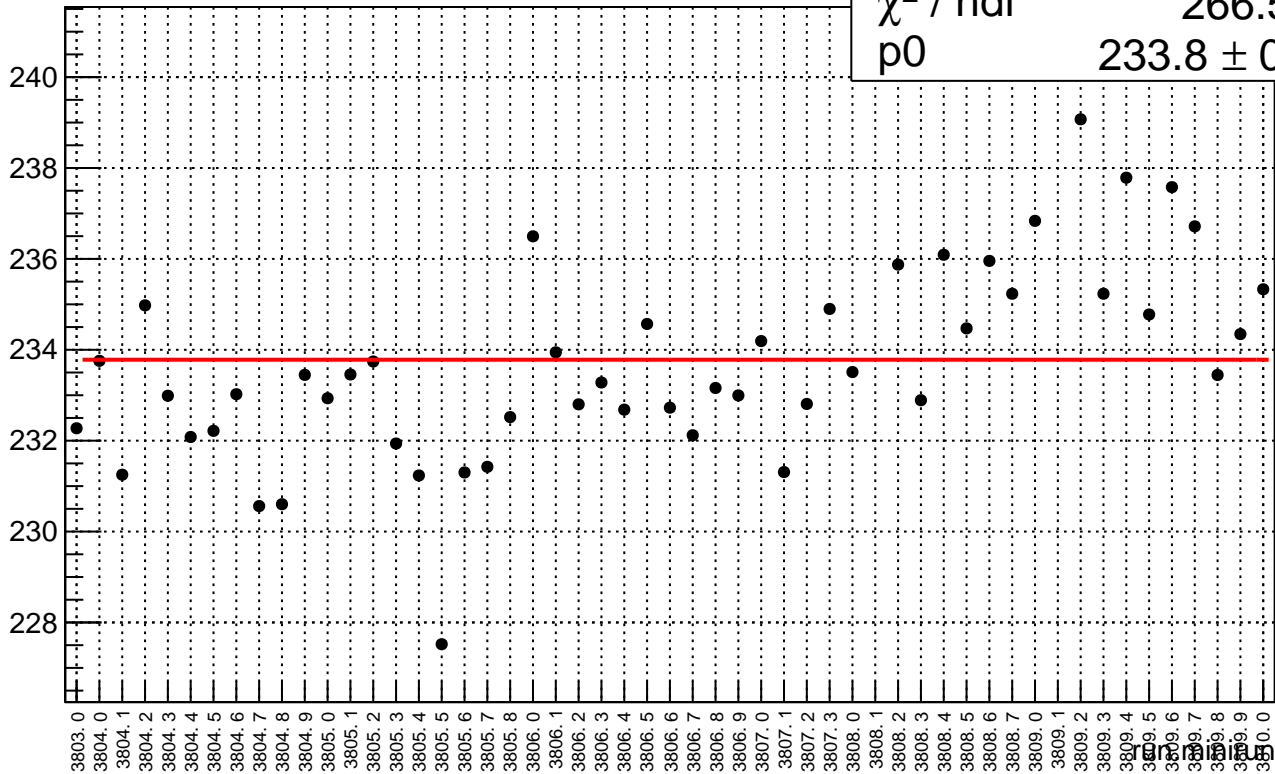
 $\chi^2 / \text{ndf}$ 

266.5 / 51

p0

 $233.8 \pm 0.317$ 

reg\_asym\_at2\_dd\_rms/ppm

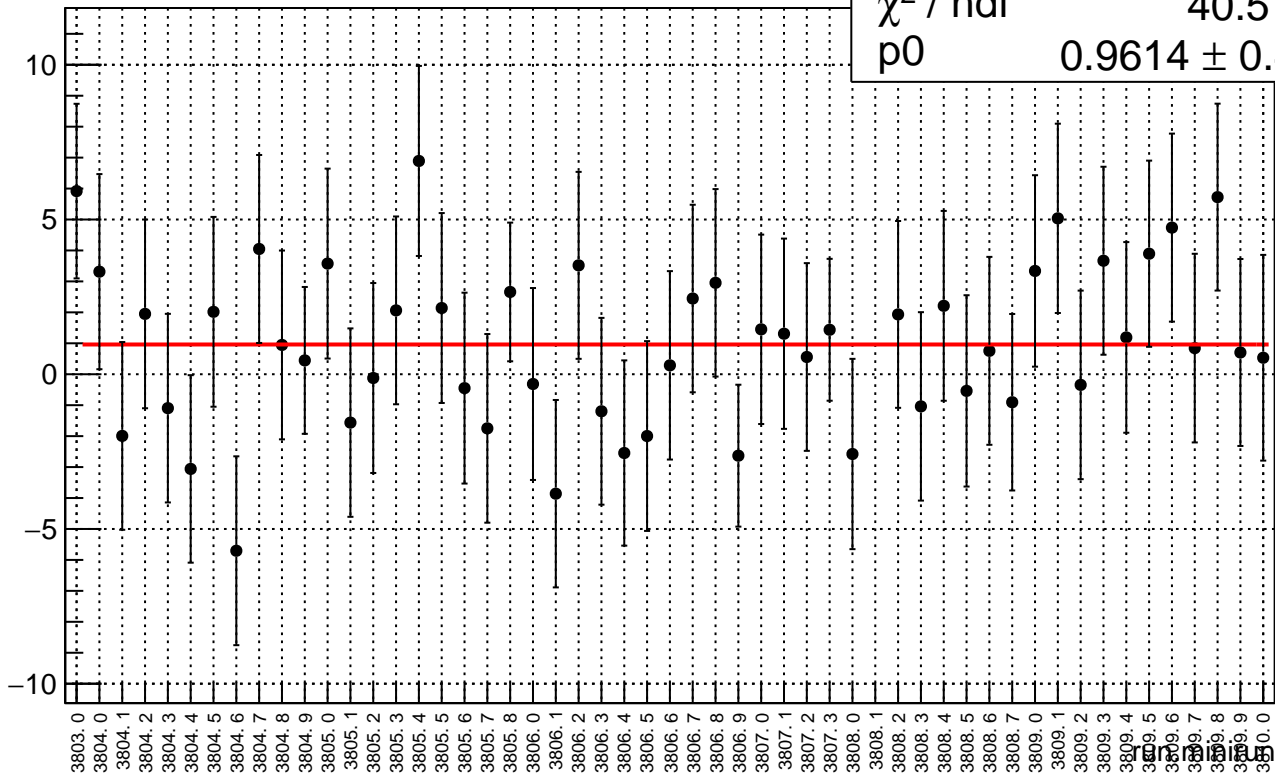




# reg\_asym\_at1r2\_avg\_mean/ppm

reg\_asym\_at1r2\_avg\_mean/ppm

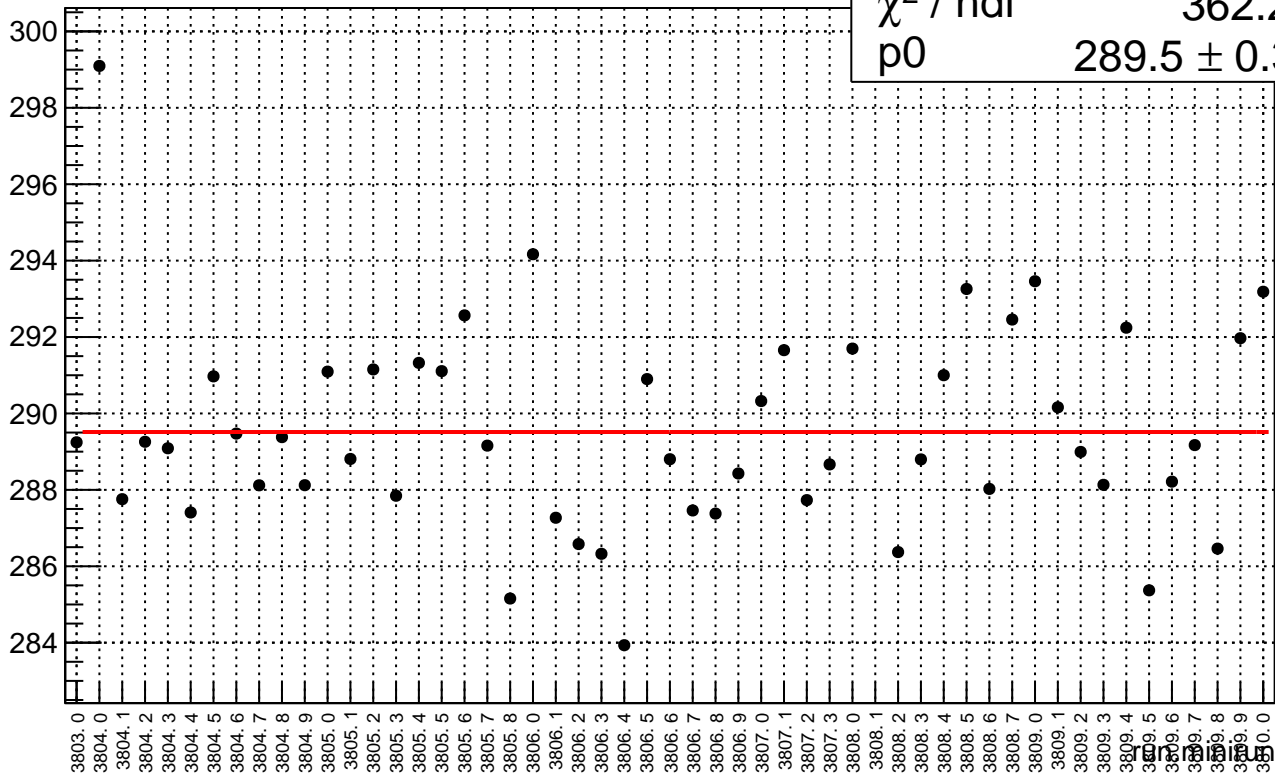
$\chi^2 / \text{ndf}$  40.57 / 51  
 p0  $0.9614 \pm 0.4106$



# reg\_asym\_atl1r2\_avg\_rms/ppm

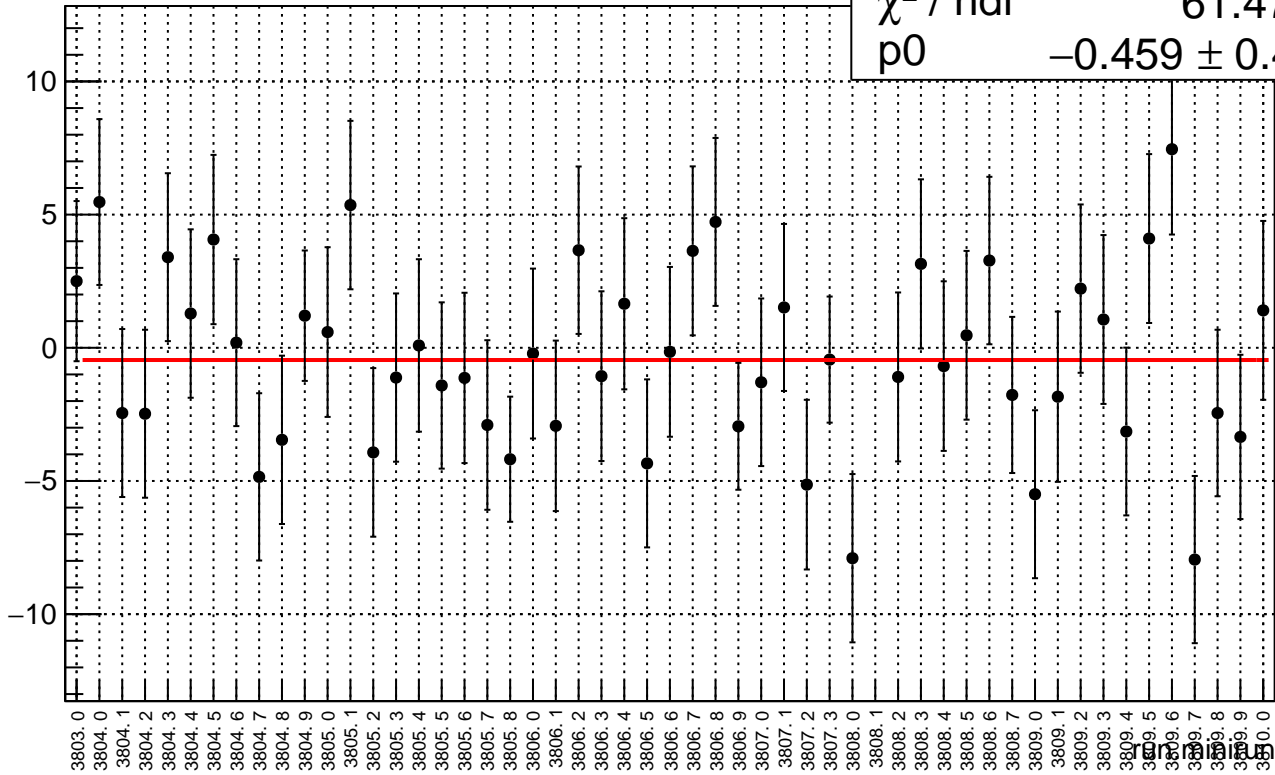
reg\_asym\_atl1r2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  362.2 / 51  
 p0  $289.5 \pm 0.3696$



reg\_asym\_atl1r2\_dd\_mean/ppm

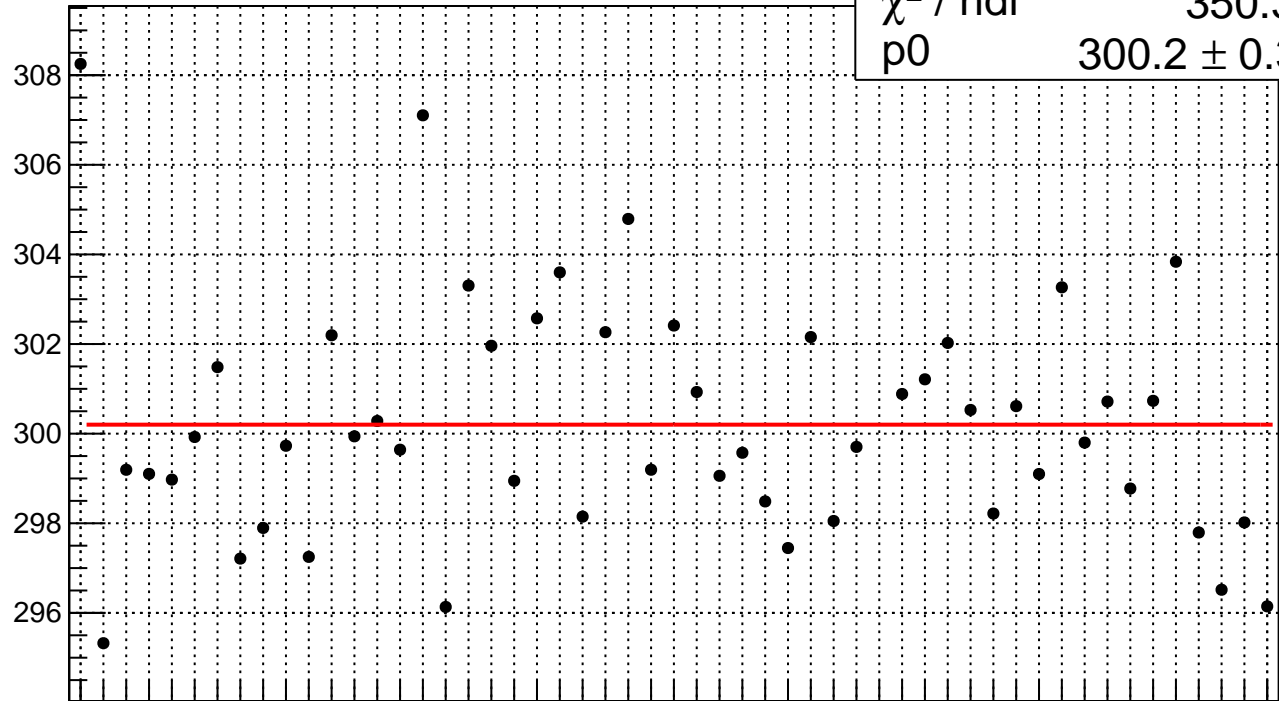
$\chi^2 / \text{ndf}$  61.47 / 51  
p0  $-0.459 \pm 0.4258$



# reg\_asym\_atl1r2\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  350.3 / 51  
 p0 300.2 ± 0.3635

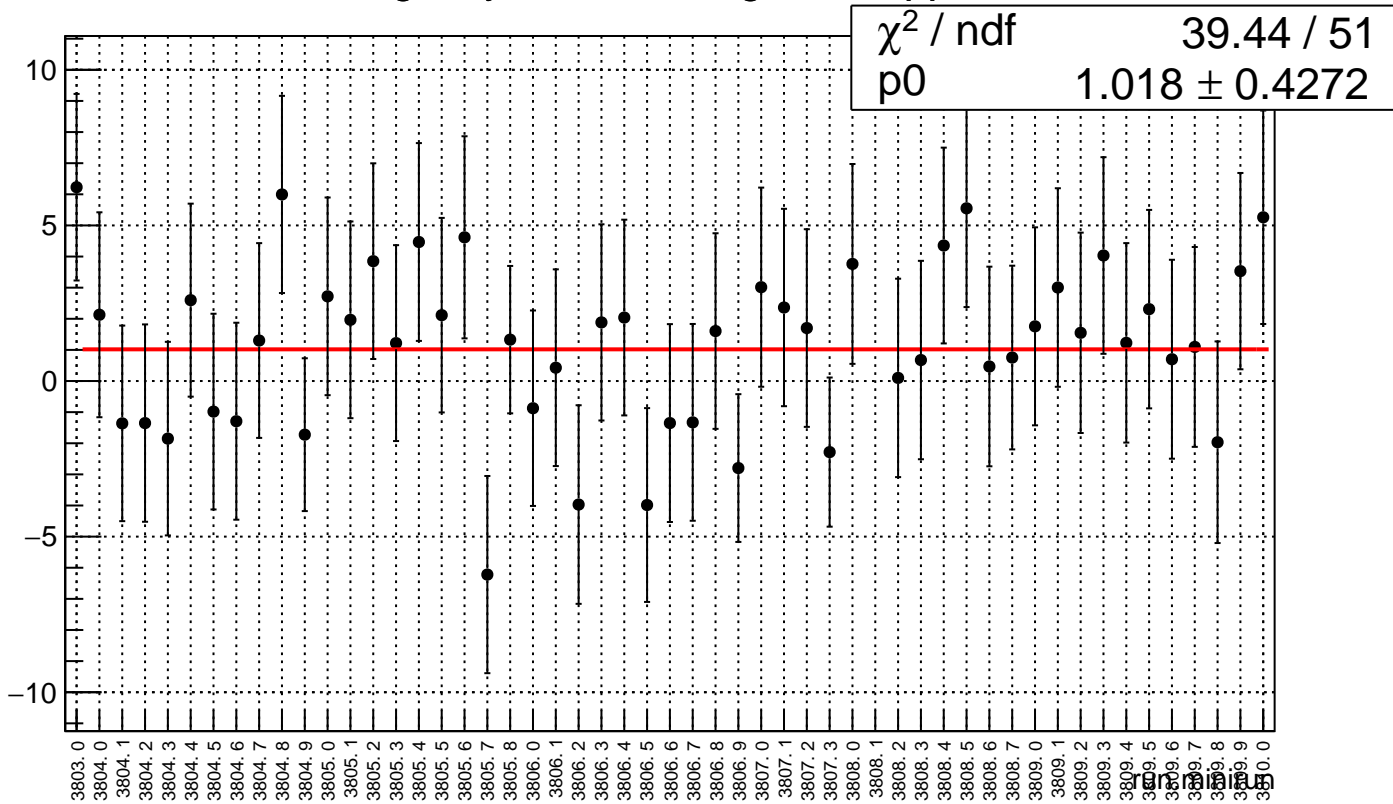
reg\_asym\_atl1r2\_dd\_rms/ppm



Parameter

# reg\_asym\_atr1l2\_avg\_mean/ppm

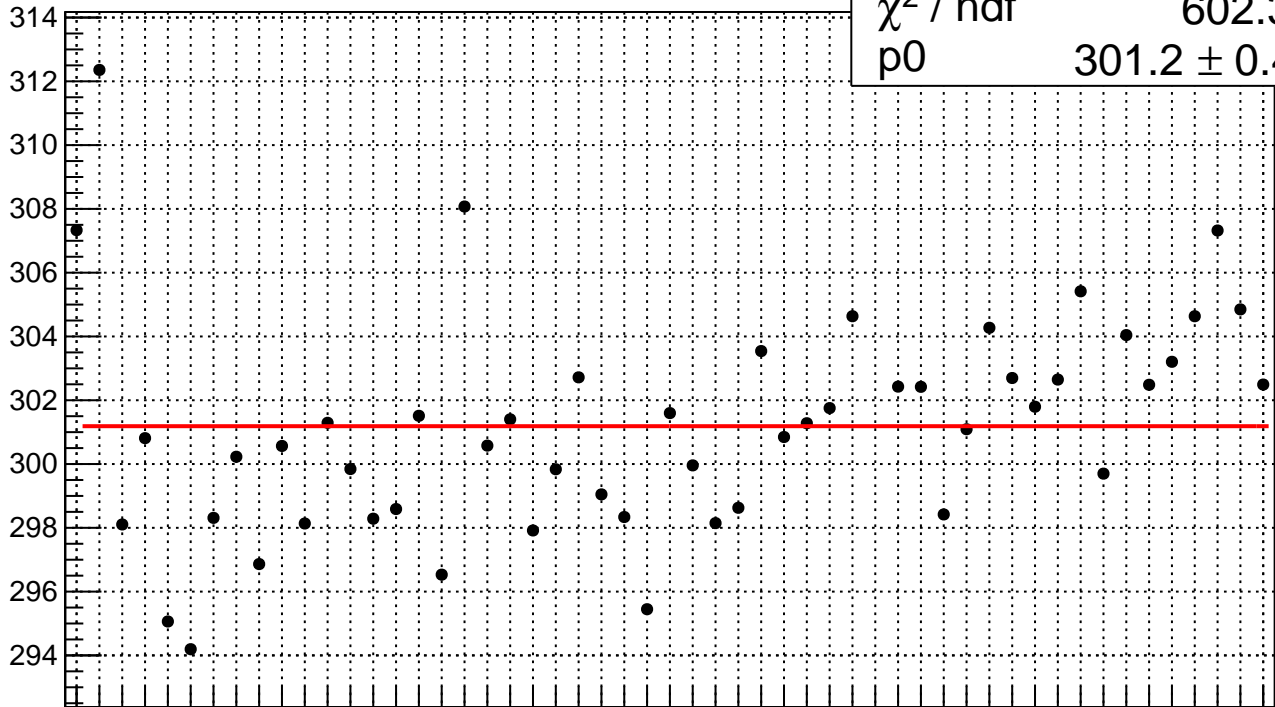
reg\_asym\_atr1l2\_avg\_mean/ppm



# reg\_asym\_atr1l2\_avg\_rms/ppm

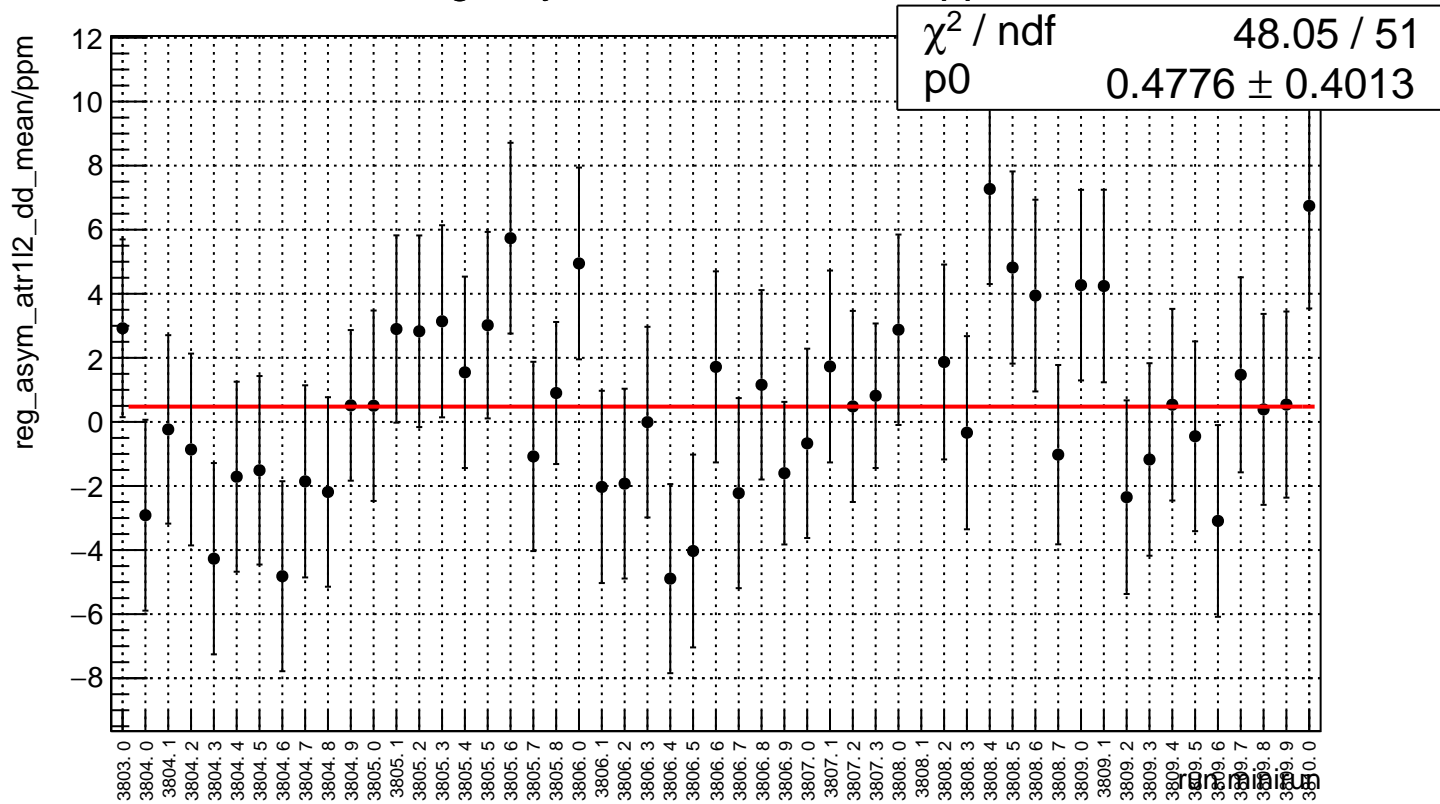
$\chi^2 / \text{ndf}$  602.3 / 51  
 p0 301.2 ± 0.4766

reg\_asym\_atr1l2\_avg\_rms/ppm

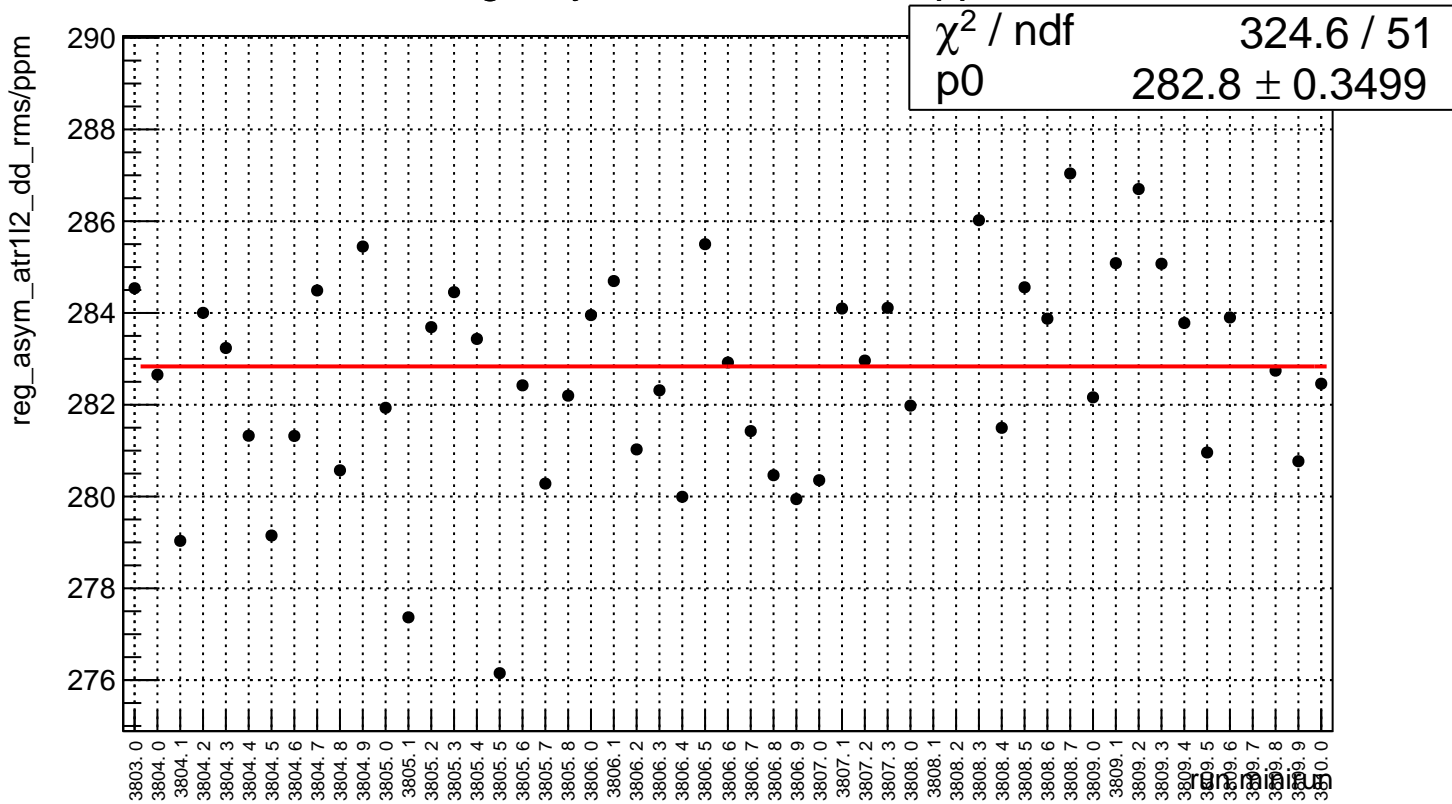


parameter

# reg\_asym\_atr1l2\_dd\_mean/ppm



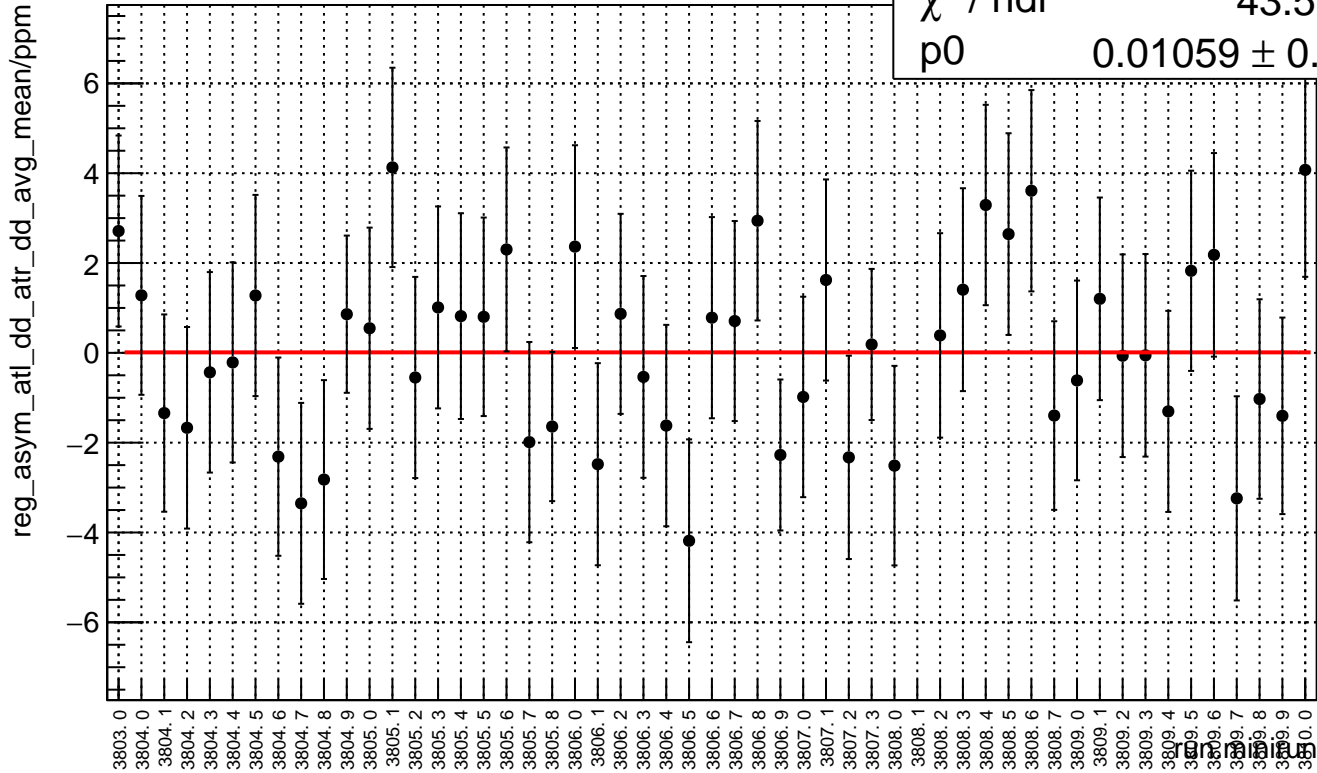
# reg\_asym\_atr1l2\_dd\_rms/ppm





# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

$\chi^2 / \text{nfd}$  43.56 / 51  
 p0 0.01059 ± 0.3015

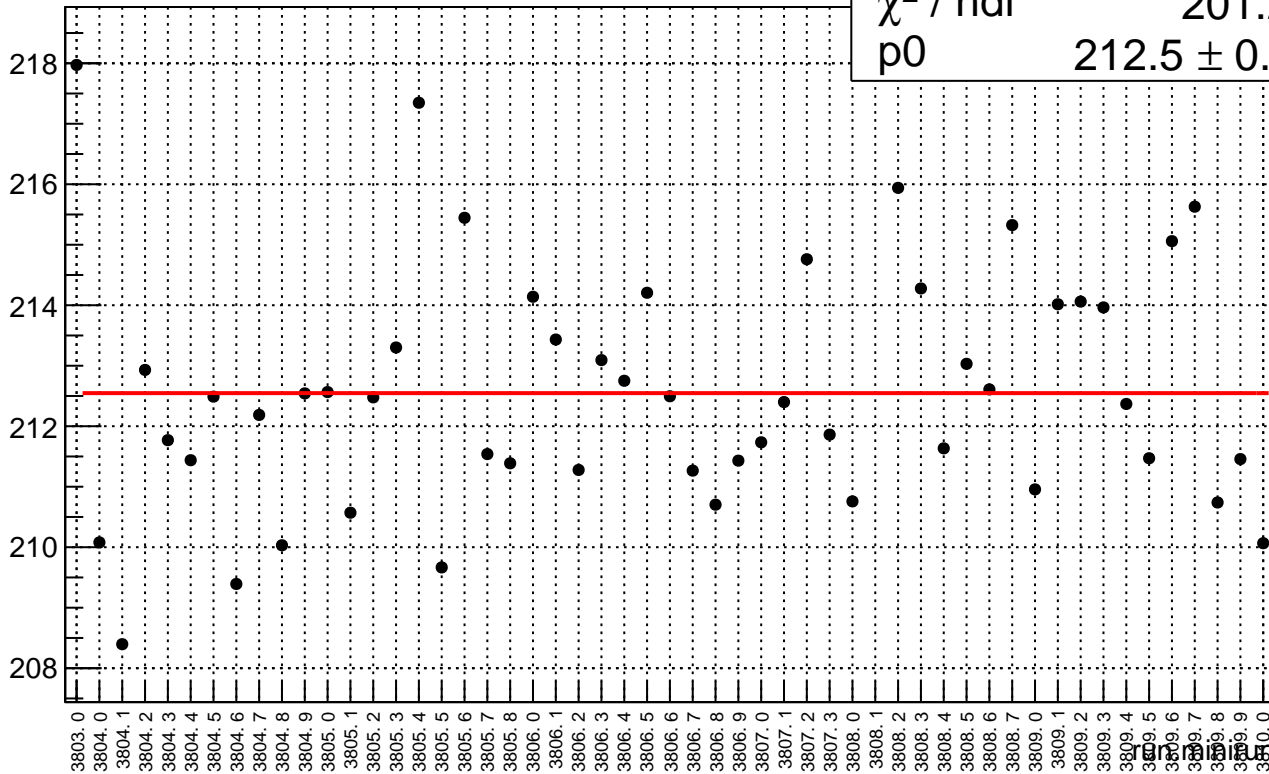


reg\_asym\_atl\_dd\_atr\_dd\_avg\_rms/ppm

$\chi^2 / \text{ndf}$   
p0

201.2 / 51  
 $212.5 \pm 0.2754$

reg\_asym\_atl\_dd\_atr\_dd\_avg\_rms/ppm



reg\_asym\_atl\_dd\_atr\_dd\_dd\_mean/ppm

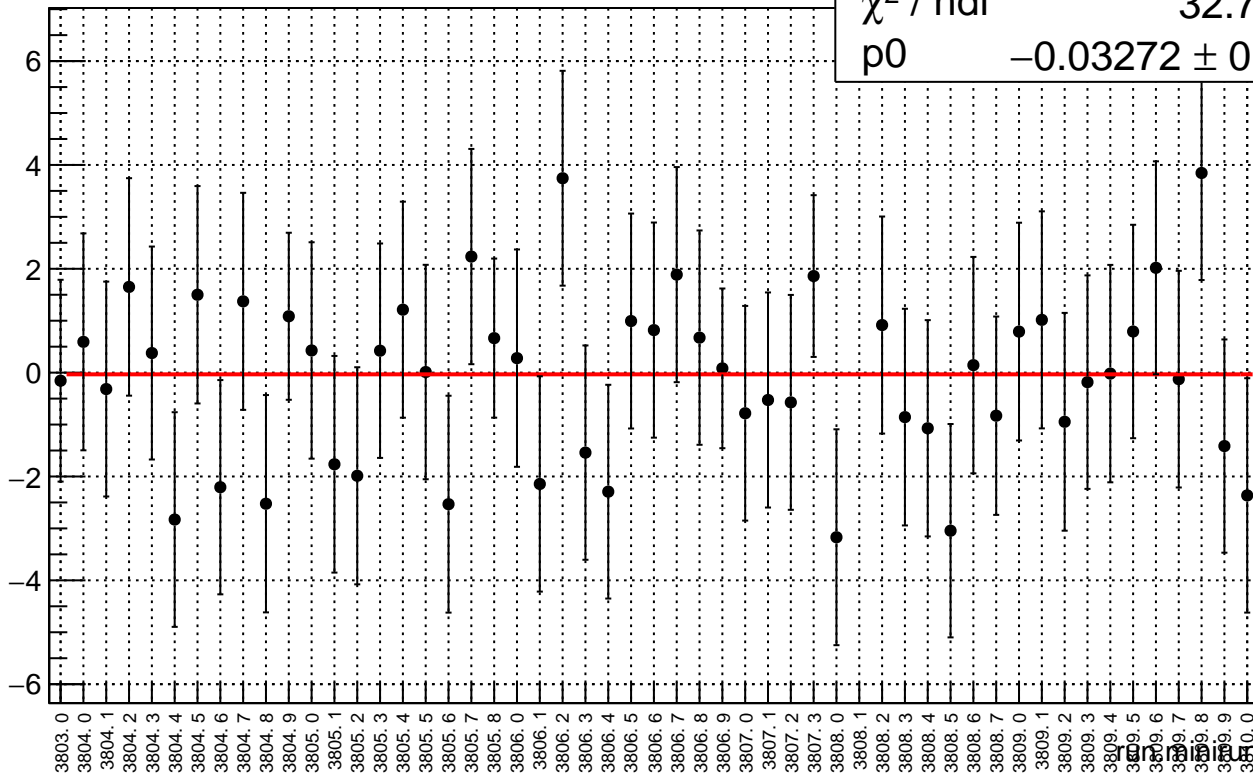
$\chi^2 / \text{ndf}$

32.79 / 51

p0

$-0.03272 \pm 0.2792$

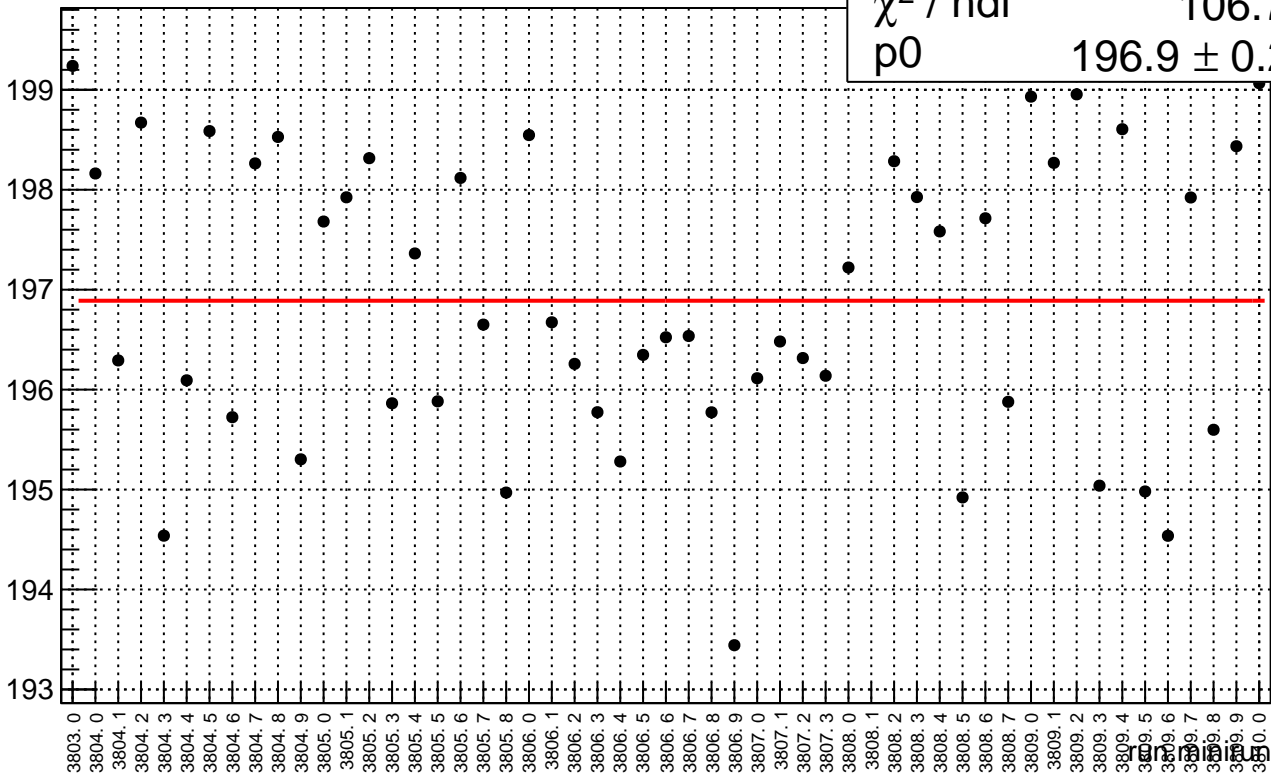
reg\_asym\_atl\_dd\_atr\_dd\_dd\_mean/ppm



reg\_asym\_atl\_dd\_atr\_dd\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  106.7 / 51  
p0 196.9  $\pm$  0.2006

reg\_asym\_atl\_dd\_atr\_dd\_dd\_rms/ppm

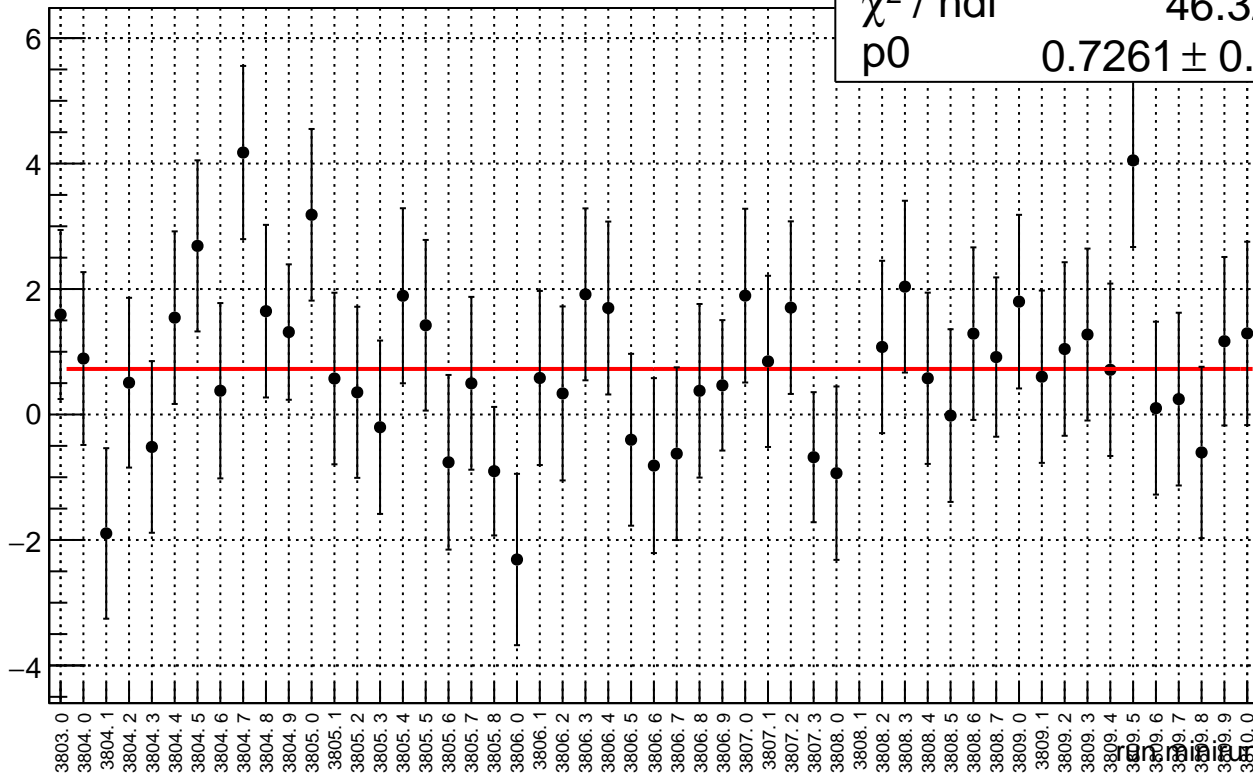


parameter

# reg\_asym\_usl\_mean/ppm

reg\_asym\_usl\_mean/ppm

$\chi^2 / \text{ndf}$  46.32 / 51  
 p0  $0.7261 \pm 0.1853$



reg\_asym\_usl\_rms/ppm

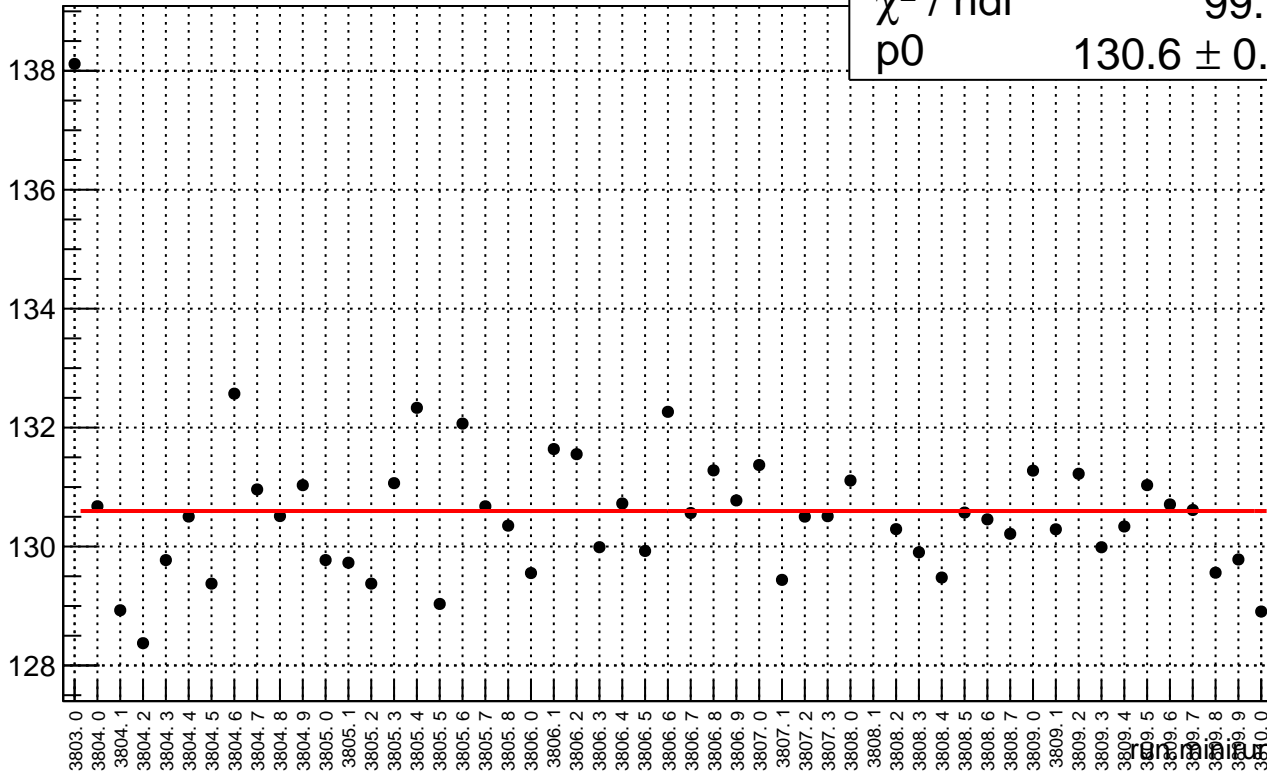
$\chi^2 / \text{ndf}$

99.1 / 51

p0

$130.6 \pm 0.1933$

reg\_asym\_usl\_rms/ppm

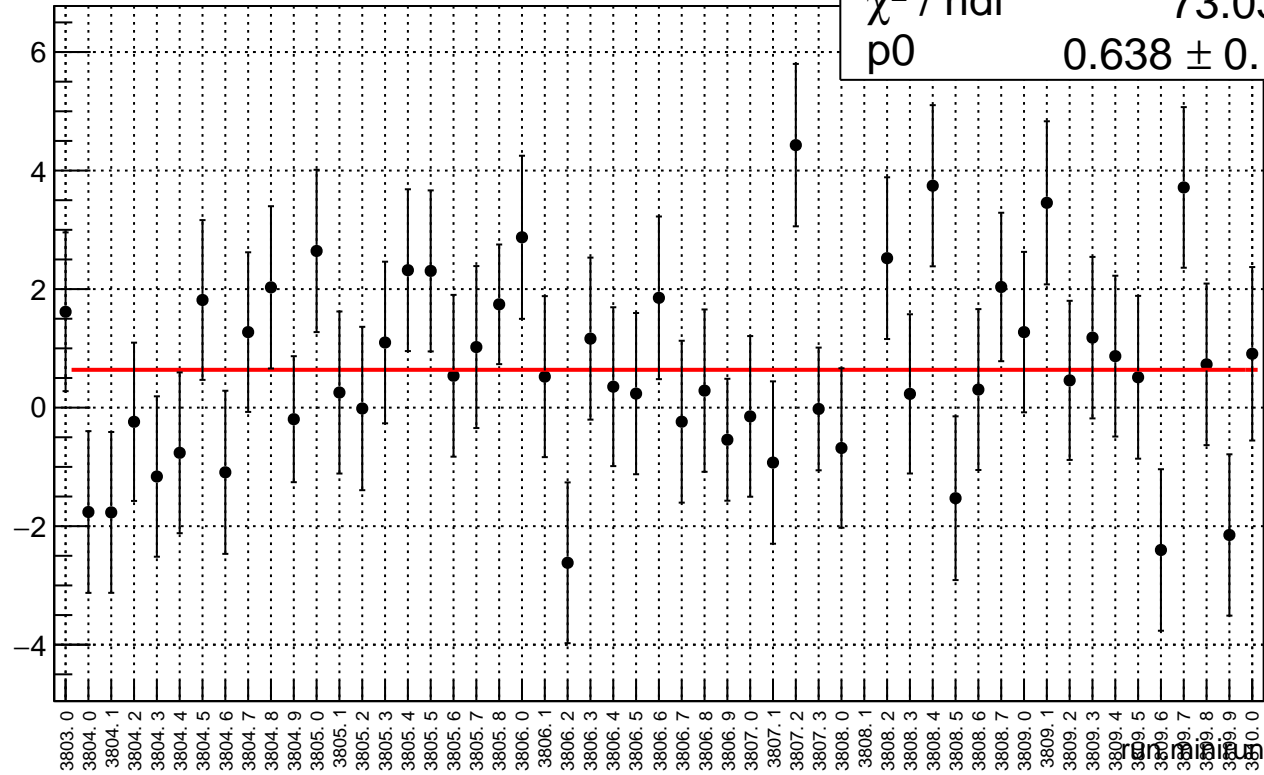


Parameter

reg\_asym\_usr\_mean/ppm

reg\_asym\_usr\_mean/ppm

$\chi^2 / \text{ndf}$  73.03 / 51  
p0  $0.638 \pm 0.1835$



## reg\_asym\_usr\_rms/ppm

reg\_asym\_usr\_rms/ppm

138  
136  
134  
132  
130  
128  
126 $\chi^2 / \text{ndf}$  117.2 / 51  
p0  $129.3 \pm 0.2103$ 3803.0  
3804.0  
3804.1  
3804.2  
3804.3  
3804.4  
3804.5  
3804.6  
3804.7  
3804.8  
3804.9  
3805.0  
3805.1  
3805.2  
3805.3  
3805.4  
3805.5  
3805.6  
3805.7  
3805.8  
3806.0  
3806.1  
3806.2  
3806.3  
3806.4  
3806.5  
3806.6  
3806.7  
3806.8  
3806.9  
3807.0  
3807.1  
3807.2  
3807.3  
3808.0  
3808.1  
3808.2  
3808.3  
3808.4  
3808.5  
3808.6  
3808.7  
3809.0  
3809.1  
3809.2  
3809.3  
3809.4  
3809.5  
3809.6  
3809.7  
3809.8  
3809.9  
3900.0

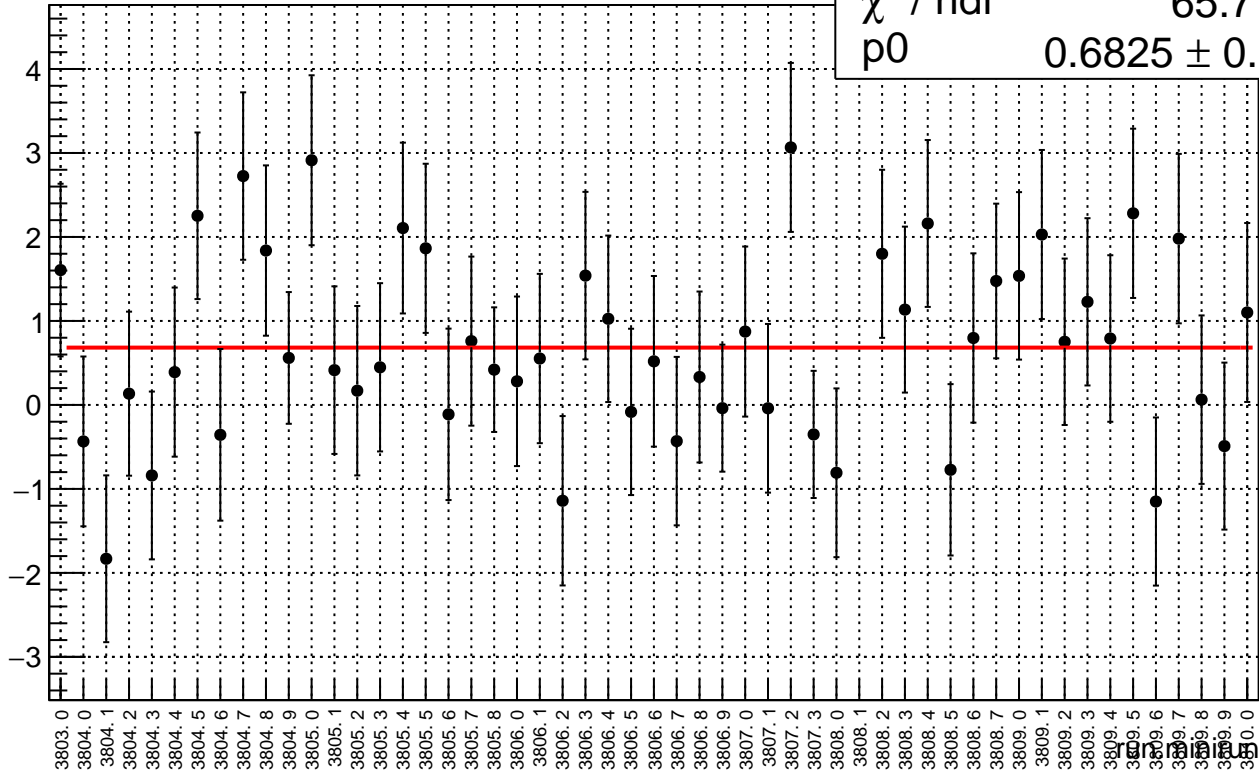
reg\_asym\_usr\_rms/ppm



# reg\_asym\_us\_avg\_mean/ppm

reg\_asym\_us\_avg\_mean/ppm

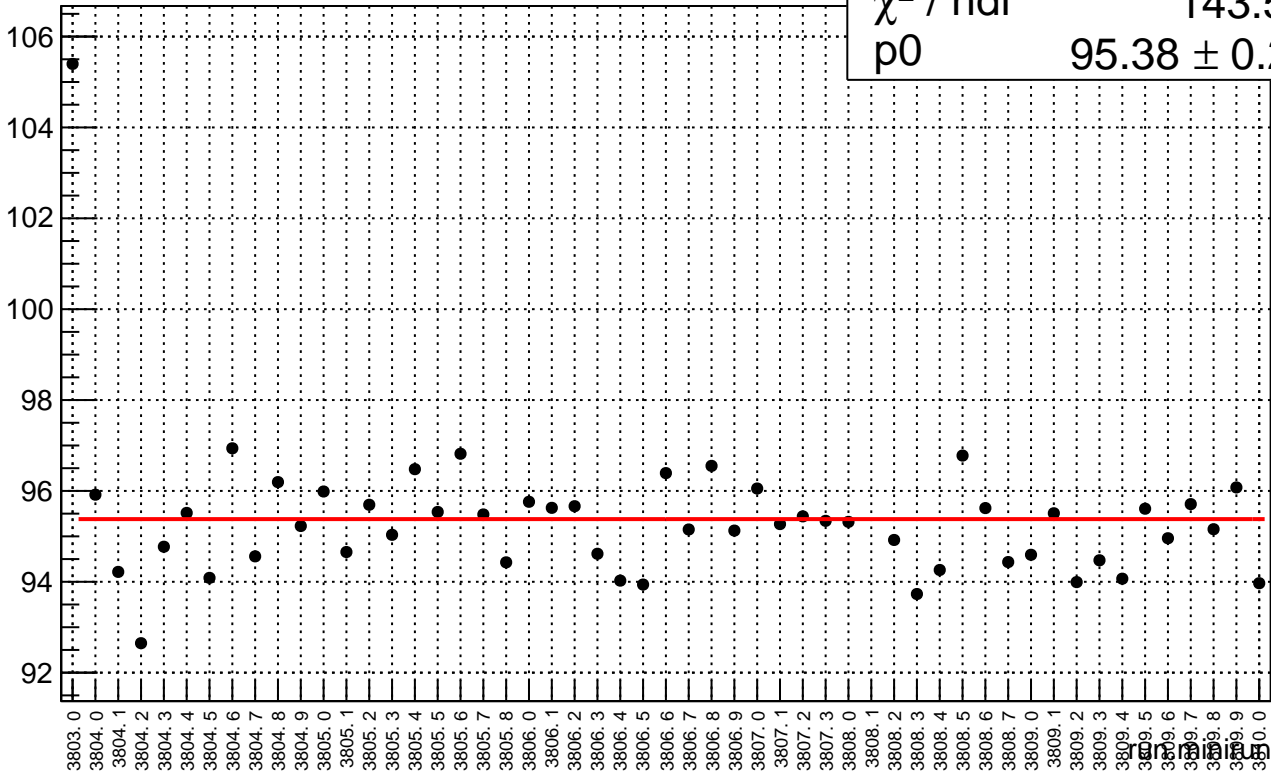
$\chi^2 / \text{ndf}$  65.71 / 51  
 p0  $0.6825 \pm 0.1353$



# reg\_asym\_us\_avg\_rms/ppm

reg\_asym\_us\_avg\_rms/ppm

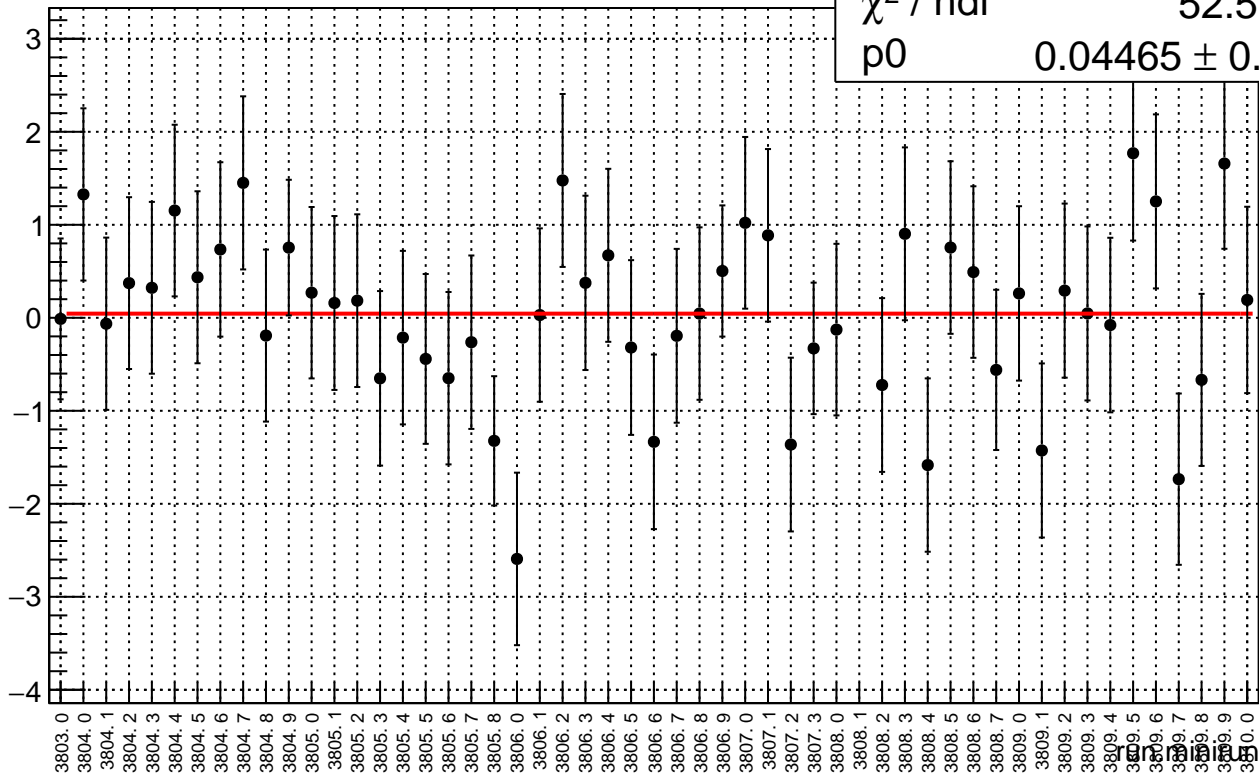
$\chi^2 / \text{ndf}$  143.5 / 51  
 p0  $95.38 \pm 0.2326$



# reg\_asym\_us\_dd\_mean/ppm

reg\_asym\_us\_dd\_mean/ppm

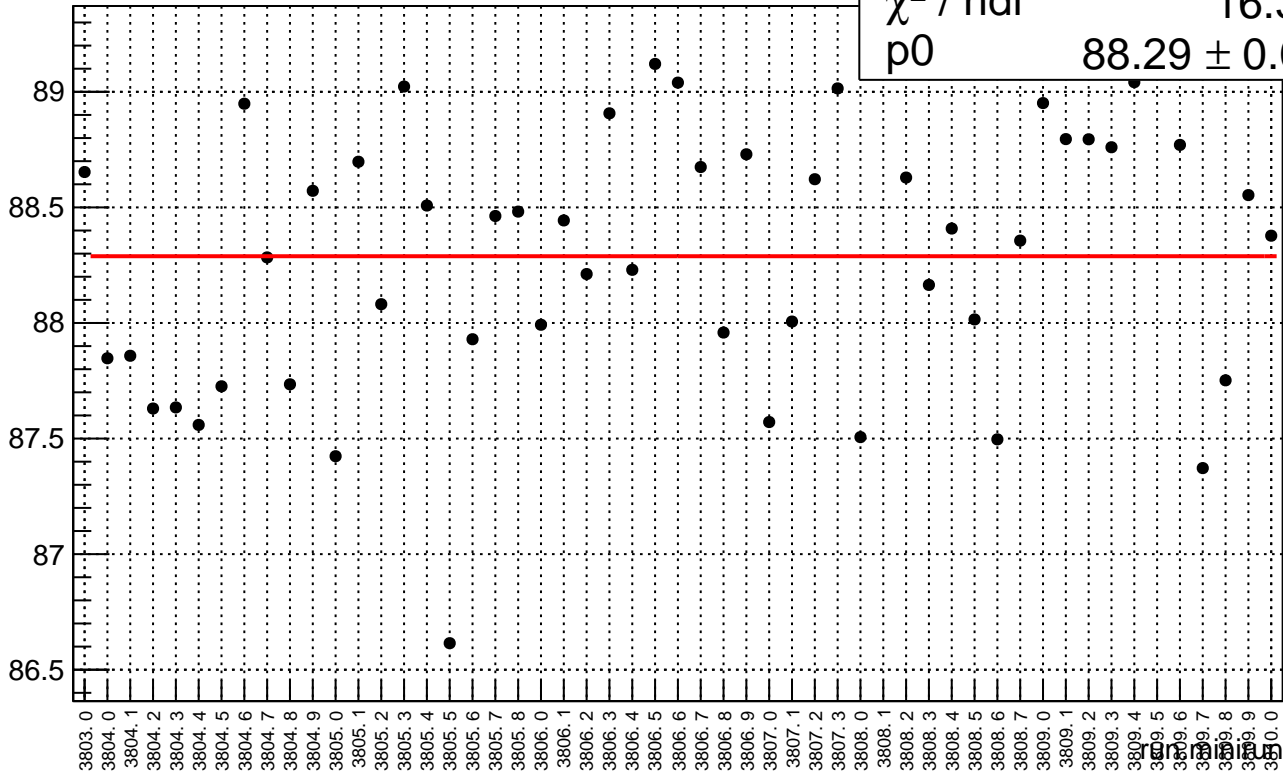
$\chi^2 / \text{ndf}$  52.51 / 51  
 p0 0.04465 ± 0.1253



reg\_asym\_us\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  16.3 / 51  
p0  $88.29 \pm 0.0784$

reg\_asym\_us\_dd\_rms/ppm



parameter