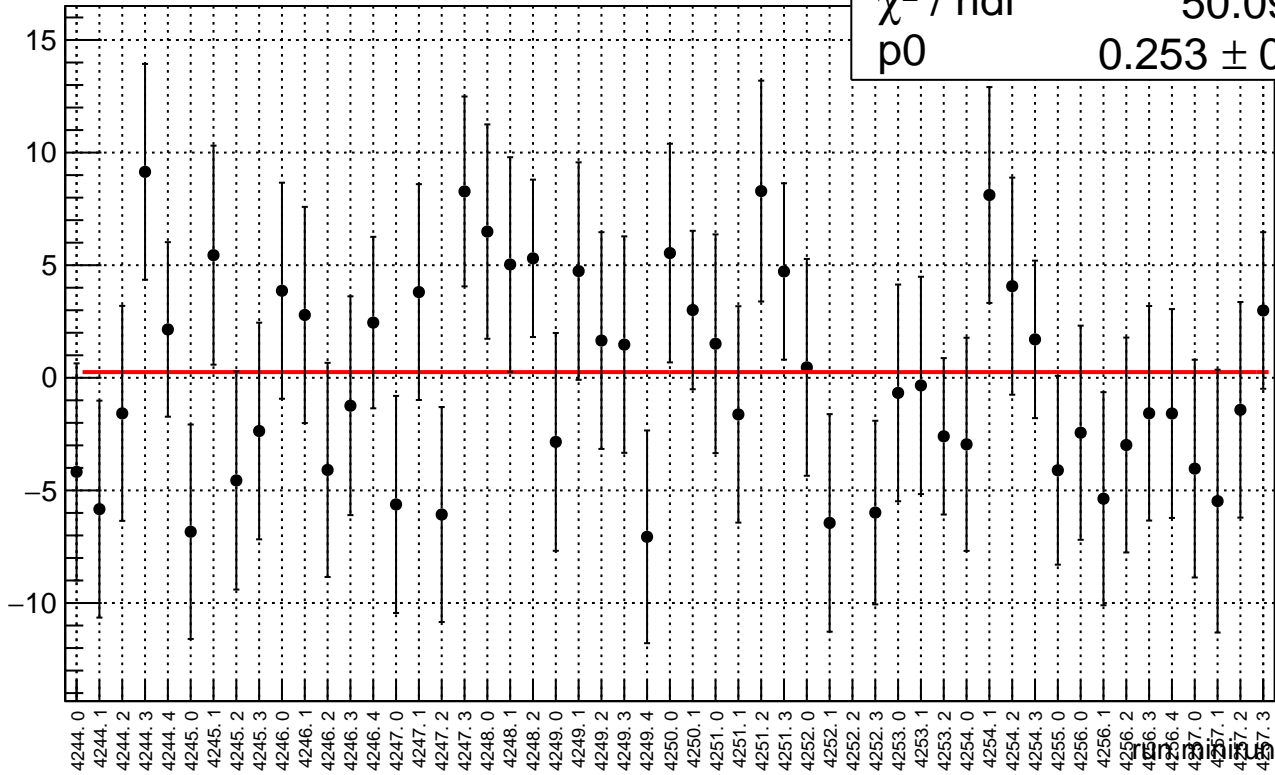


reg\_asym\_atl1\_mean/ppm

$\chi^2 / \text{ndf}$  50.09 / 51  
p0  $0.253 \pm 0.626$

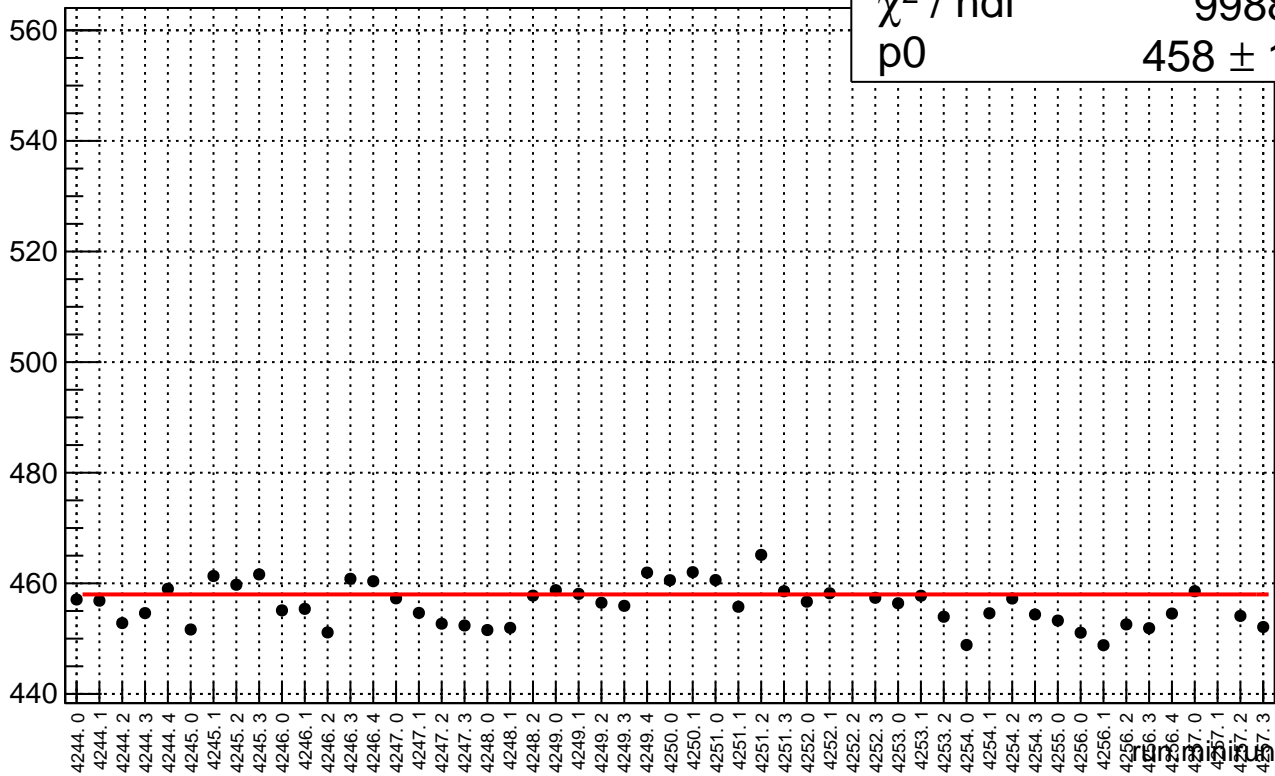
reg\_asym\_atl1\_mean/ppm



reg\_asym\_atl1\_rms/ppm

$\chi^2 / \text{ndf}$   
p0  
9988 / 51  
 $458 \pm 1.941$

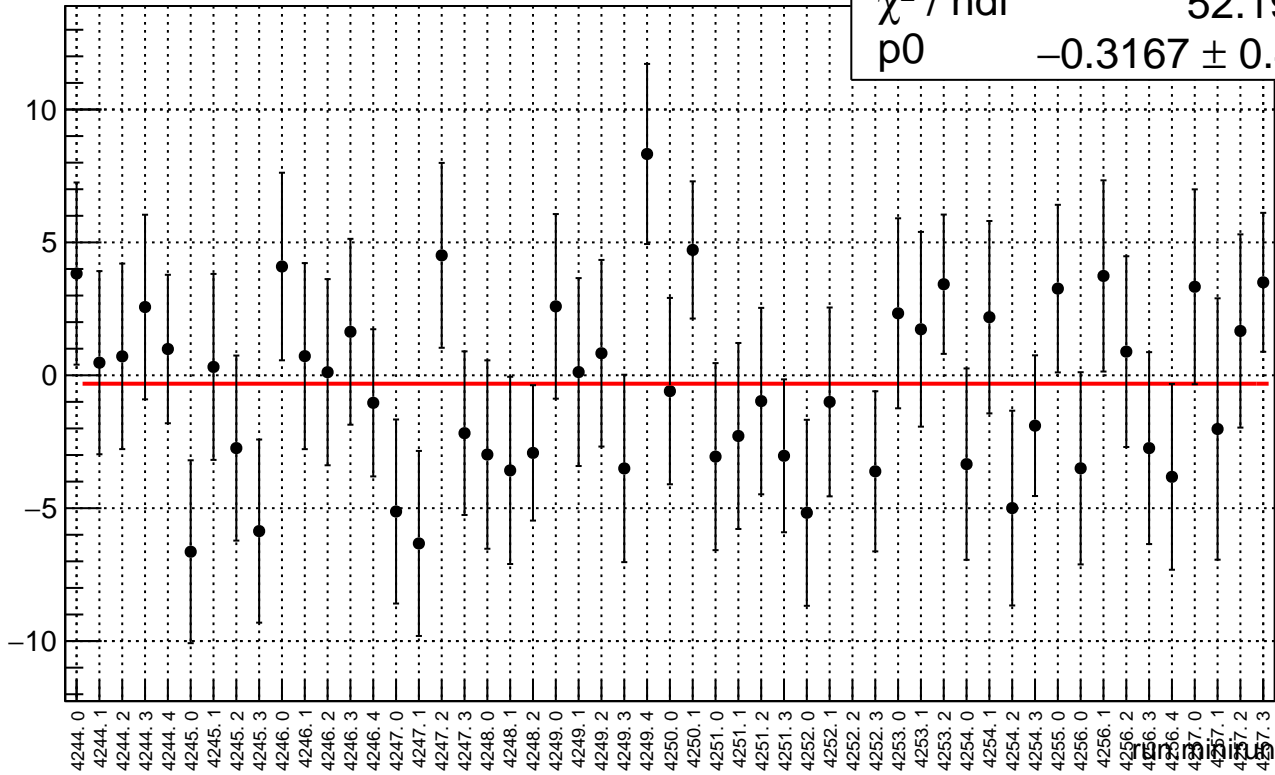
reg\_asym\_atl1\_rms/ppm



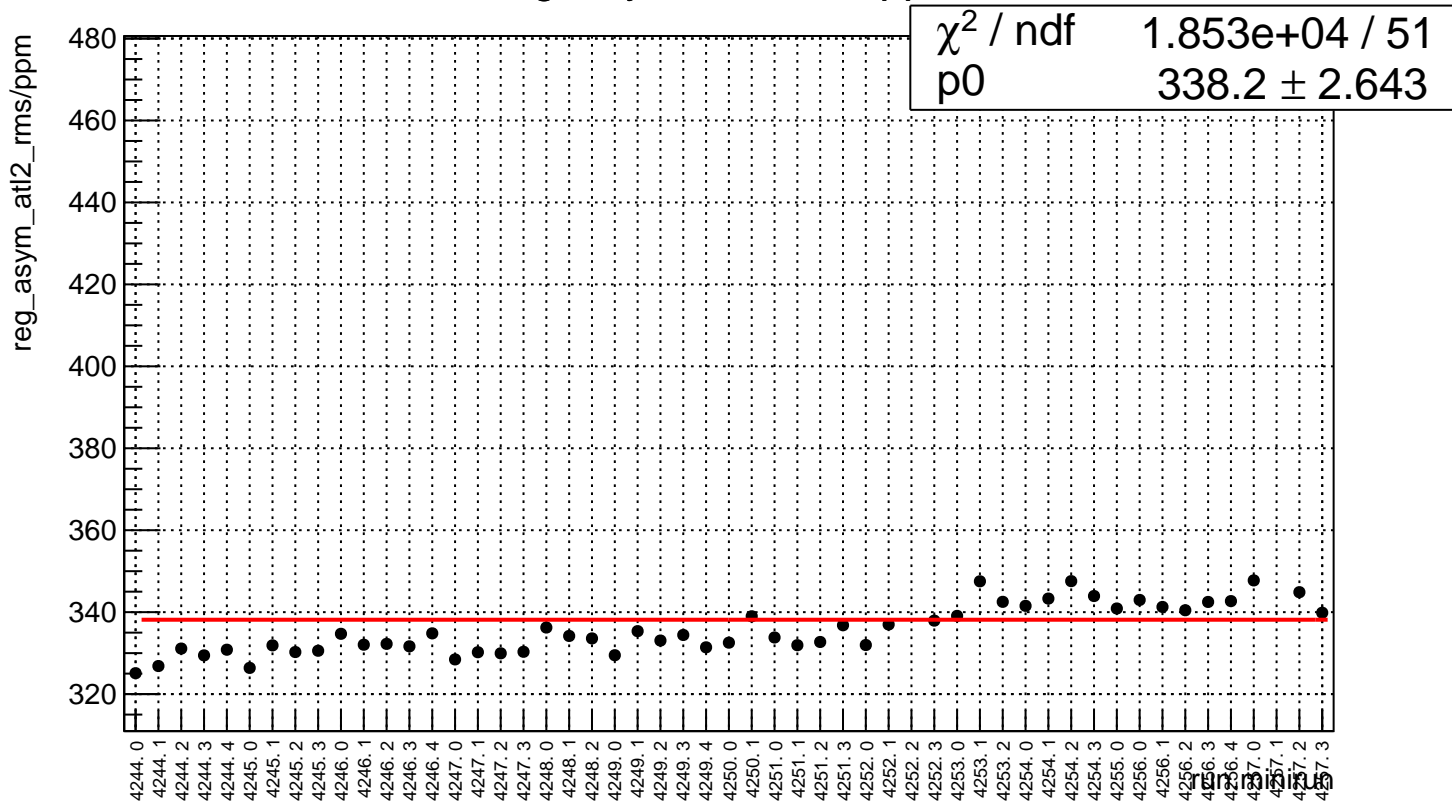
reg\_asym\_atl2\_mean/ppm

$\chi^2 / \text{ndf}$  52.19 / 51  
p0  $-0.3167 \pm 0.4614$

reg\_asym\_atl2\_mean/ppm



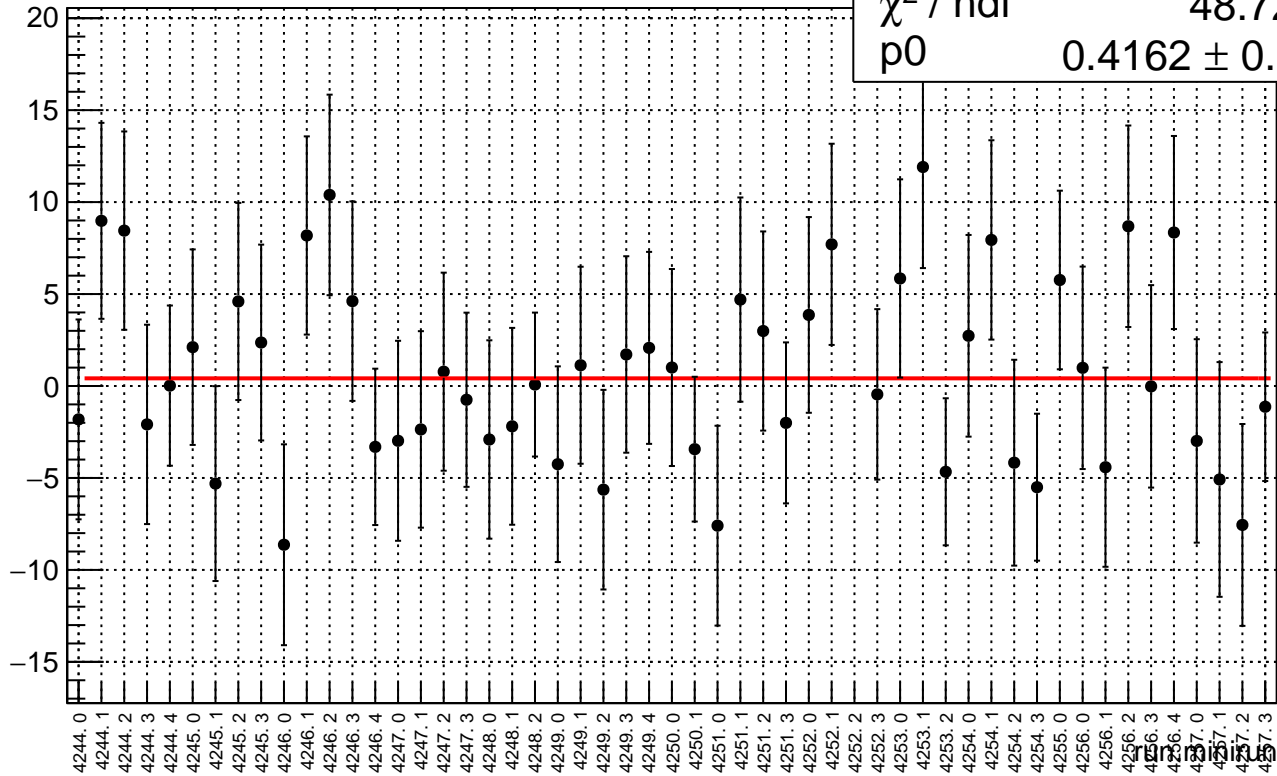
## reg\_asym\_atl2\_rms/ppm



reg\_asym\_atr1\_mean/ppm

$\chi^2 / \text{ndf}$  48.72 / 51  
p0  $0.4162 \pm 0.7064$

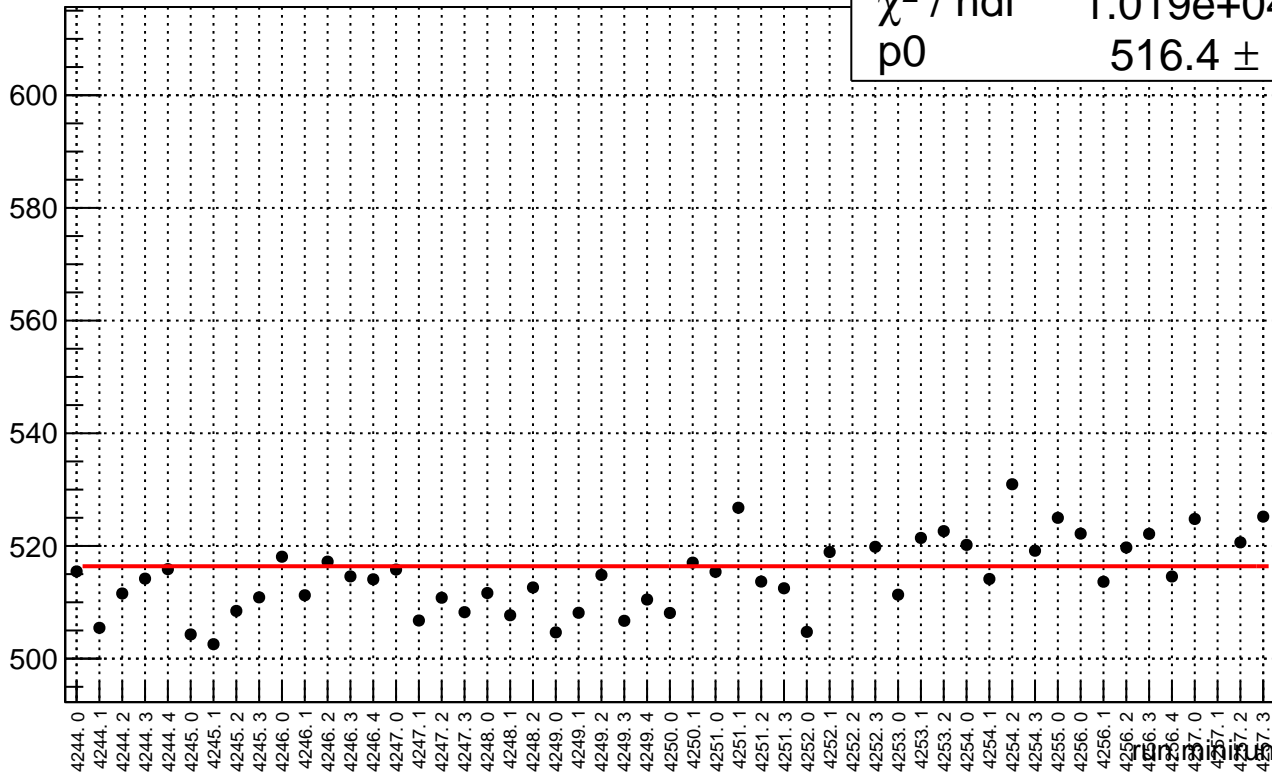
reg\_asym\_atr1\_mean/ppm



reg\_asym\_atr1\_rms/ppm

$\chi^2 / \text{ndf}$  1.019e+04 / 51  
p0 516.4  $\pm$  1.96

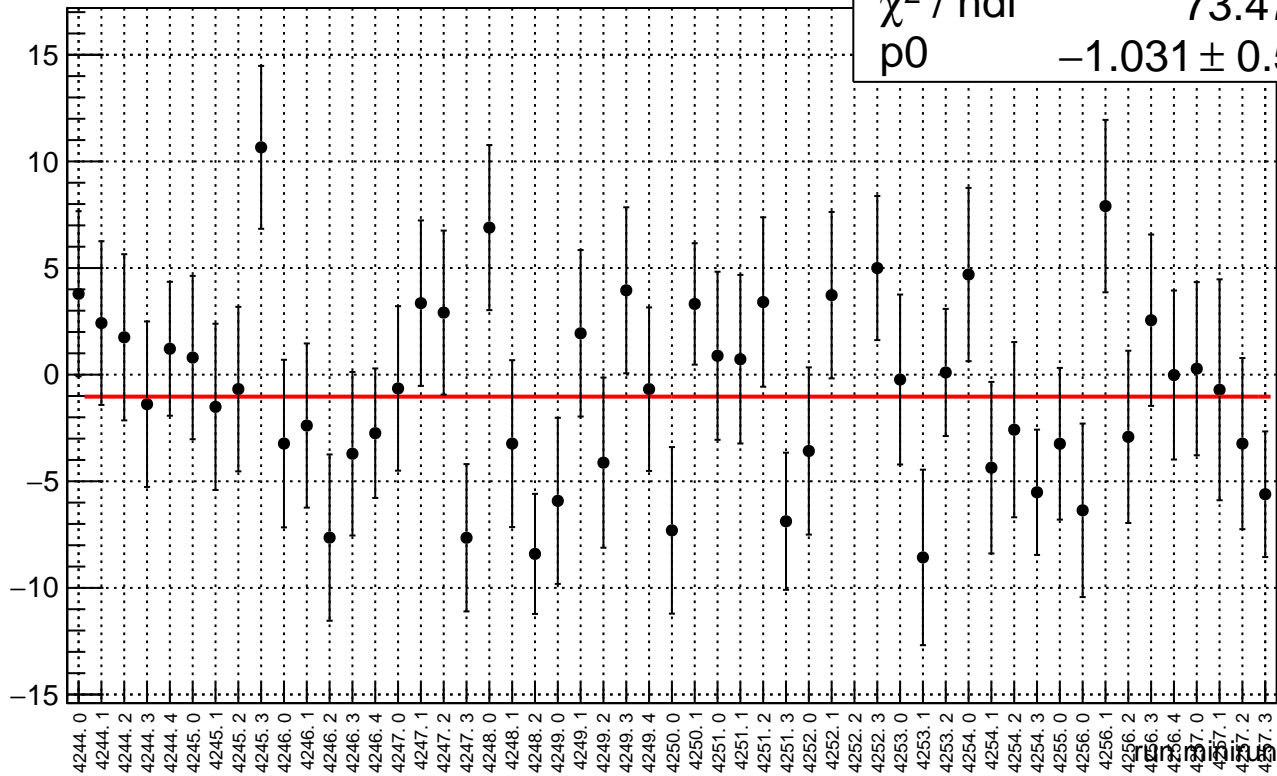
reg\_asym\_atr1\_rms/ppm



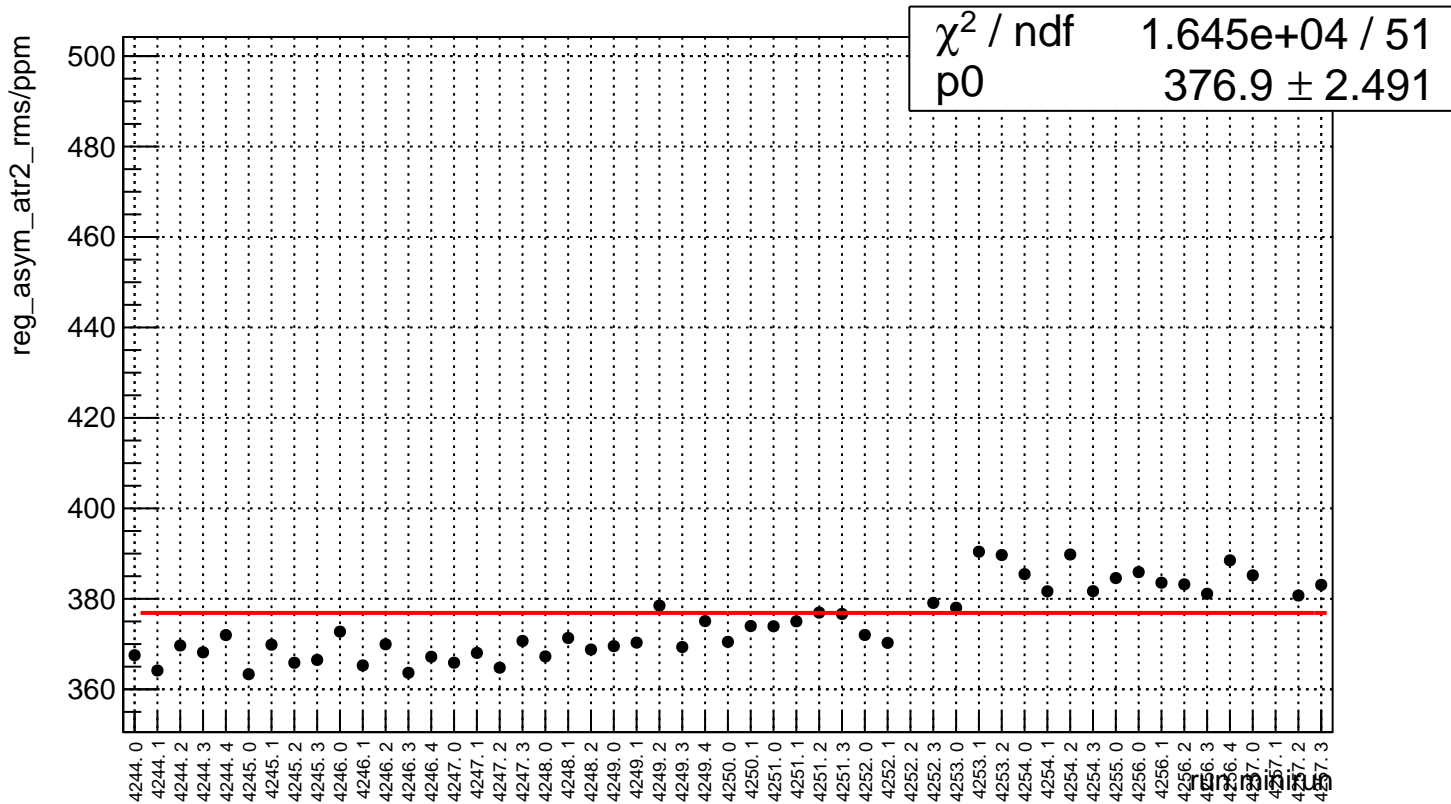
reg\_asym\_atr2\_mean/ppm

$\chi^2 / \text{ndf}$  73.47 / 51  
p0  $-1.031 \pm 0.5147$

reg\_asym\_atr2\_mean/ppm



## reg\_asym\_atr2\_rms/ppm

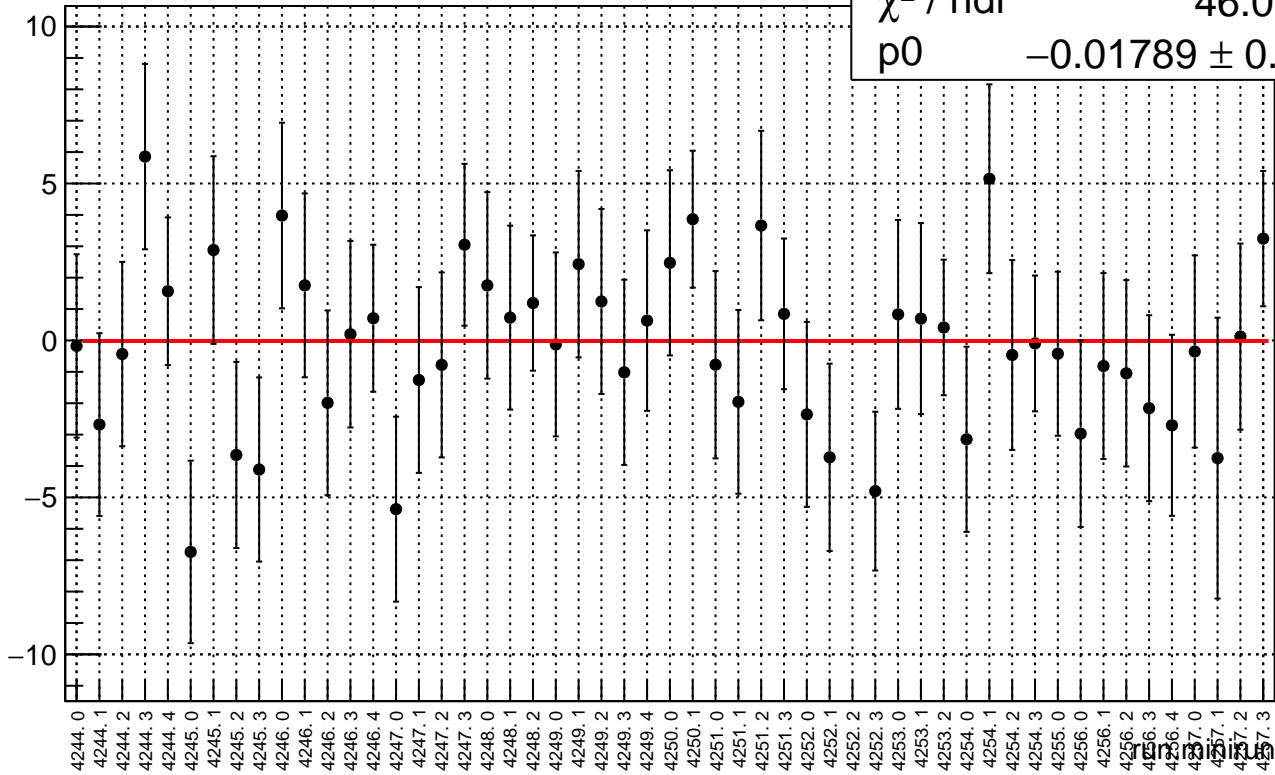




# reg\_asym\_atl\_avg\_mean/ppm

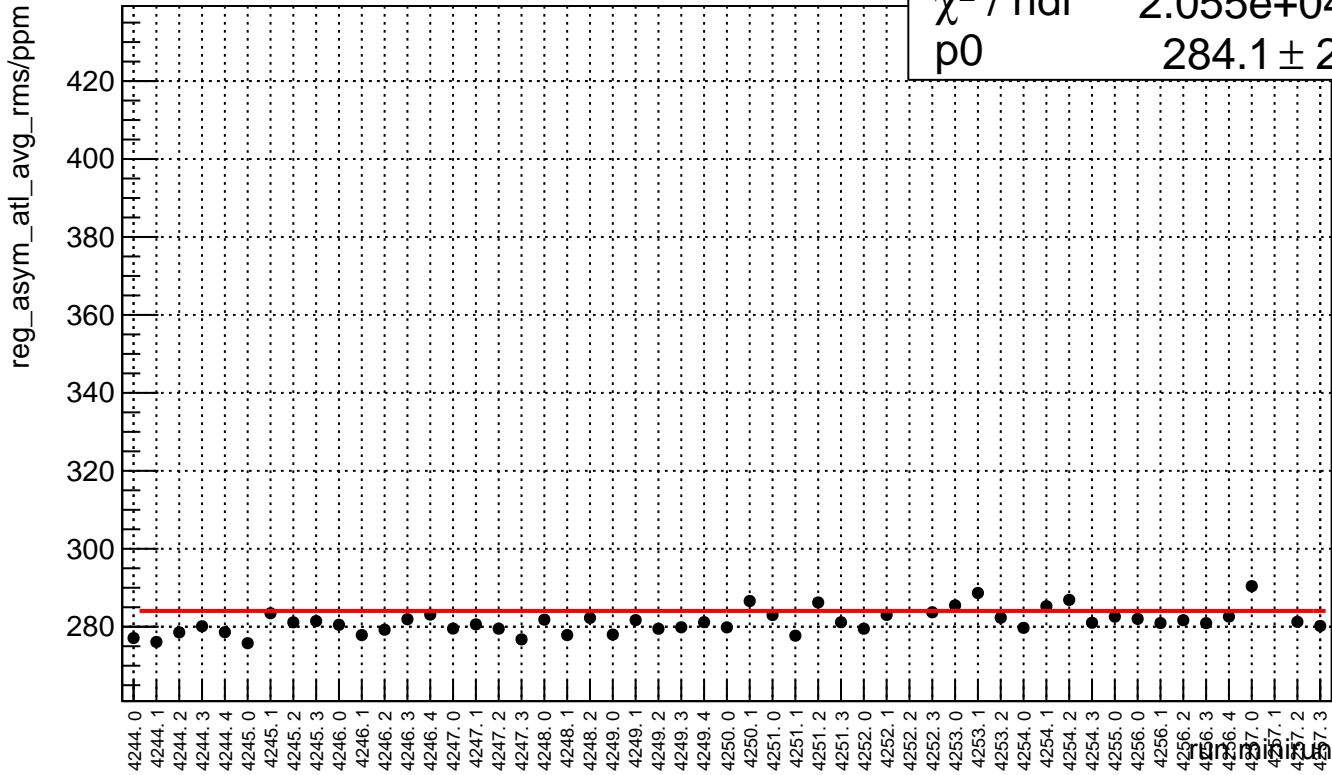
$\chi^2 / \text{ndf}$  46.09 / 51  
 p0  $-0.01789 \pm 0.3869$

reg\_asym\_atl\_avg\_mean/ppm



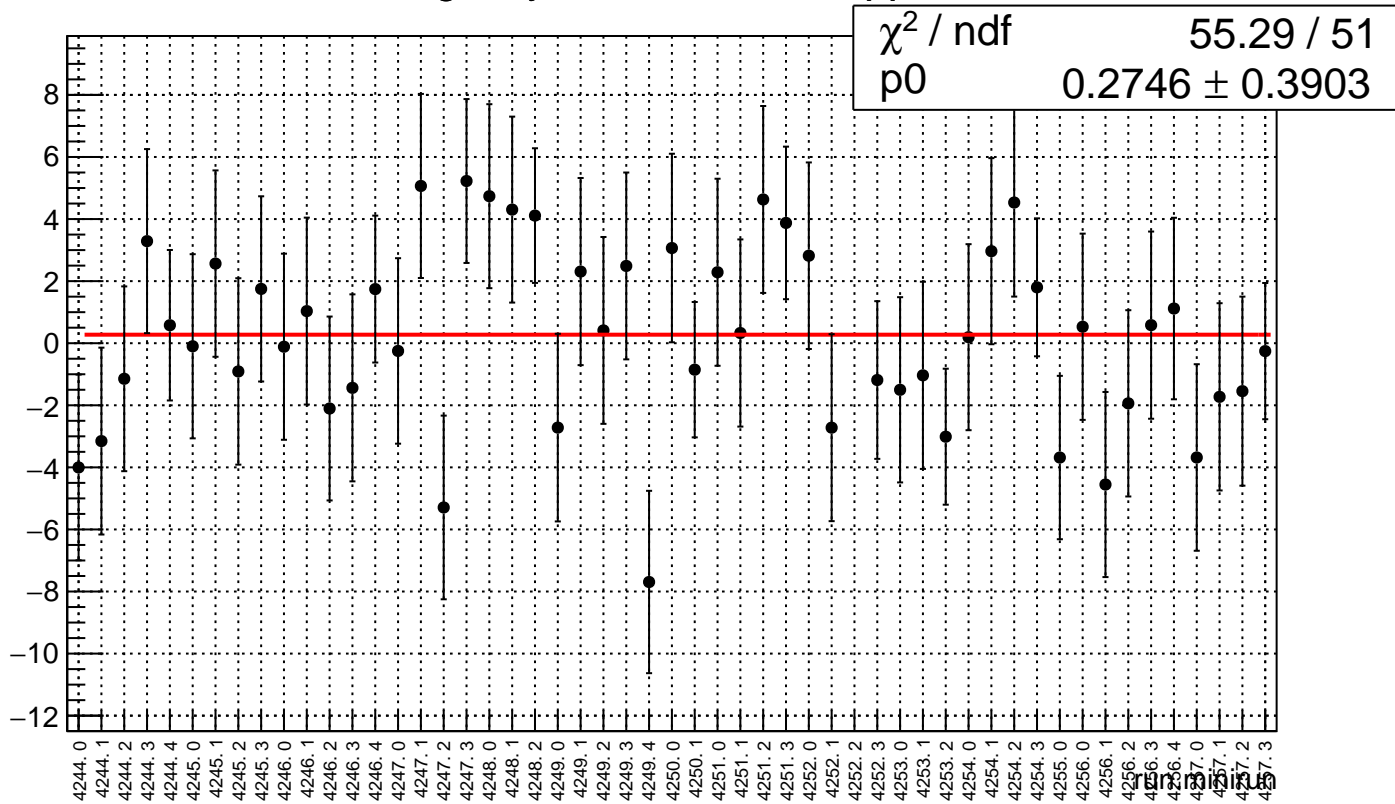
# reg\_asym\_atl\_avg\_rms/ppm

$\chi^2 / \text{ndf}$     2.055e+04 / 51  
 p0            284.1 ± 2.784



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

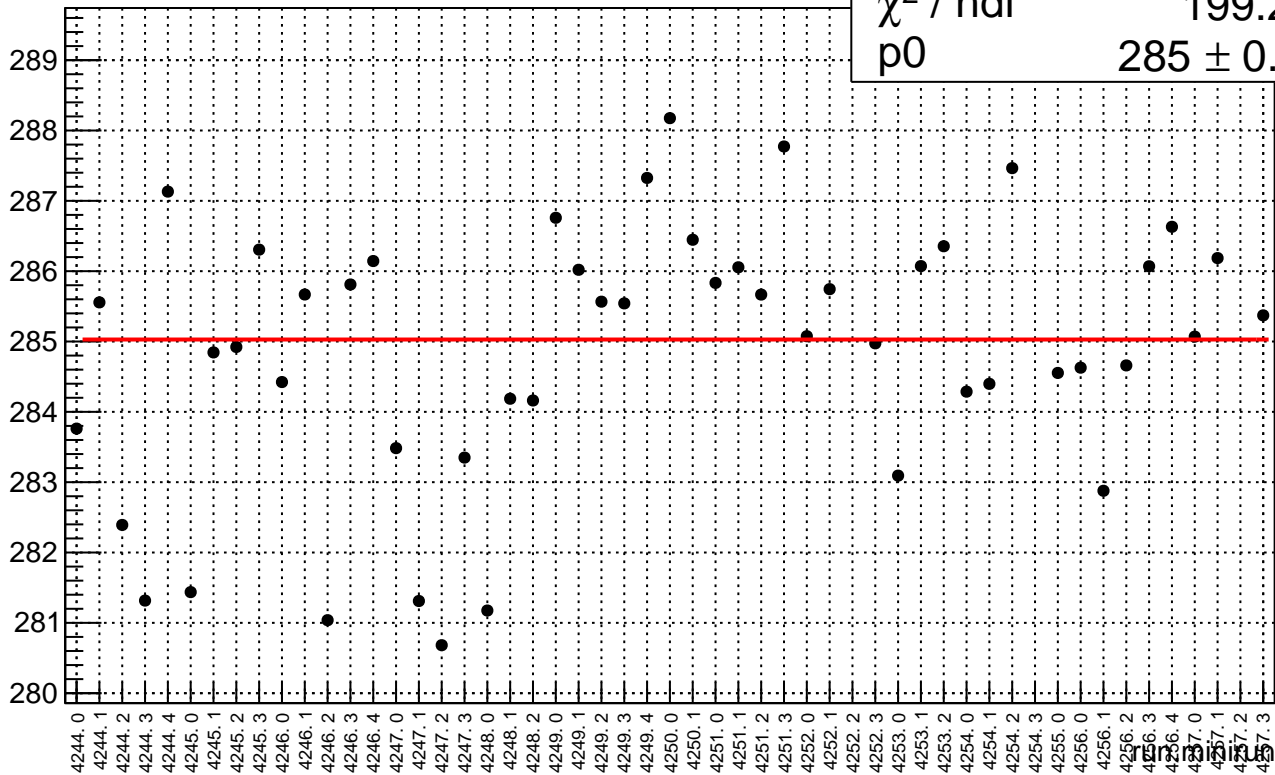
reg\_asym\_atl\_dd\_mean/ppm



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

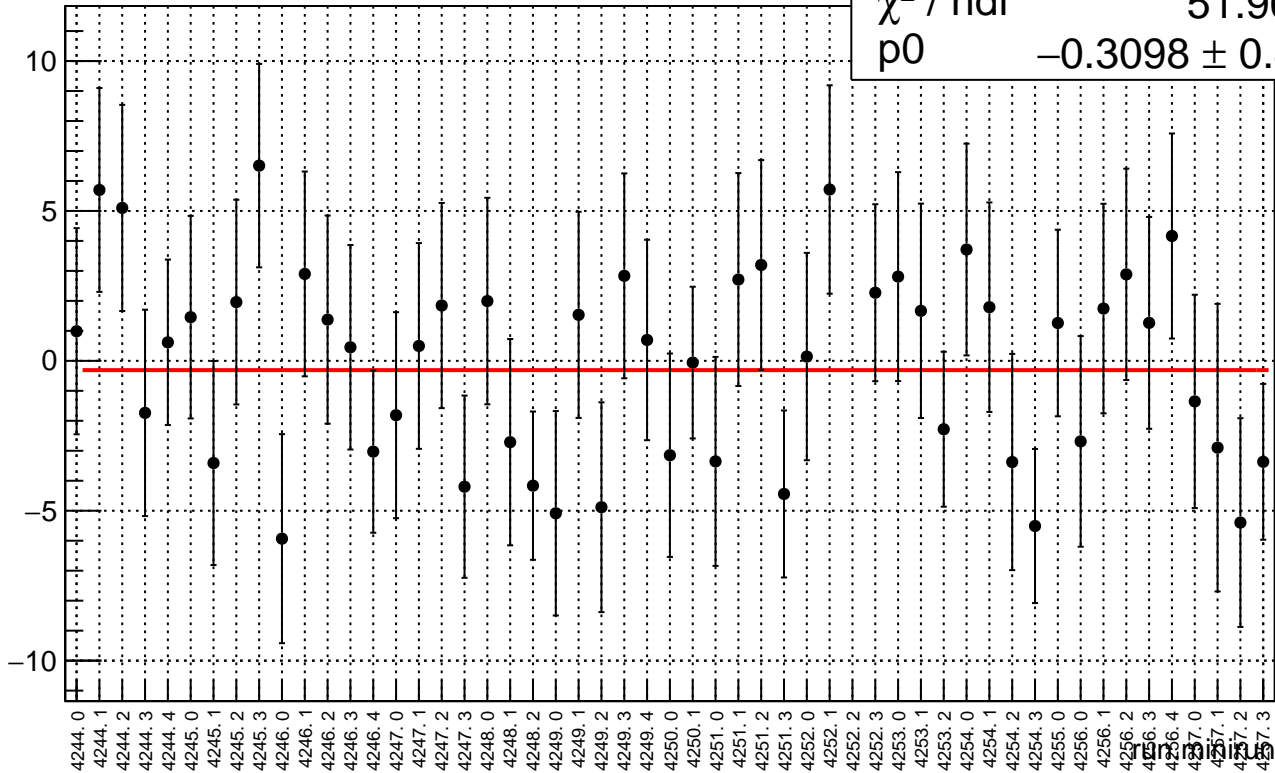
reg\_asym\_atl\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  199.2 / 51  
 p0  $285 \pm 0.2741$



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

reg\_asym\_atr\_avg\_mean/ppm

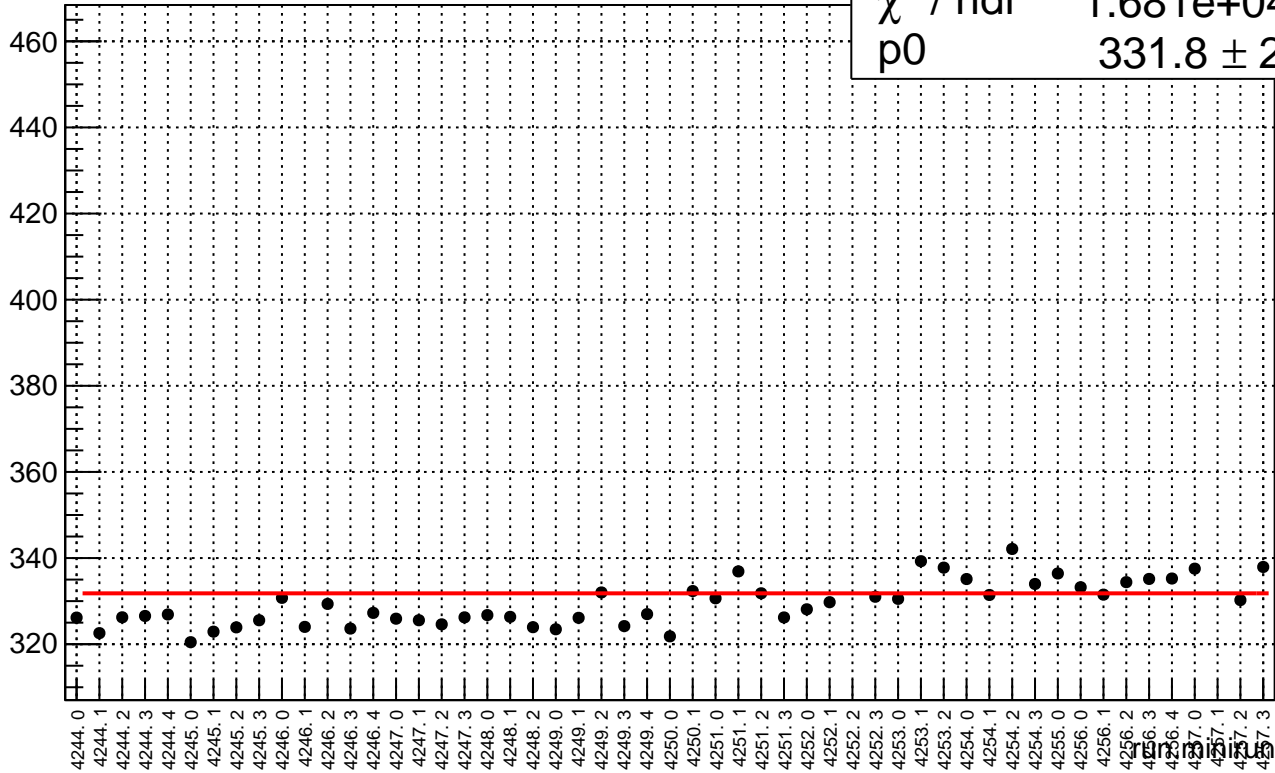


$\chi^2 / \text{ndf}$  51.96 / 51  
 p0  $-0.3098 \pm 0.4528$

reg\_asym\_atr\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  1.681e+04 / 51  
p0 331.8  $\pm$  2.518

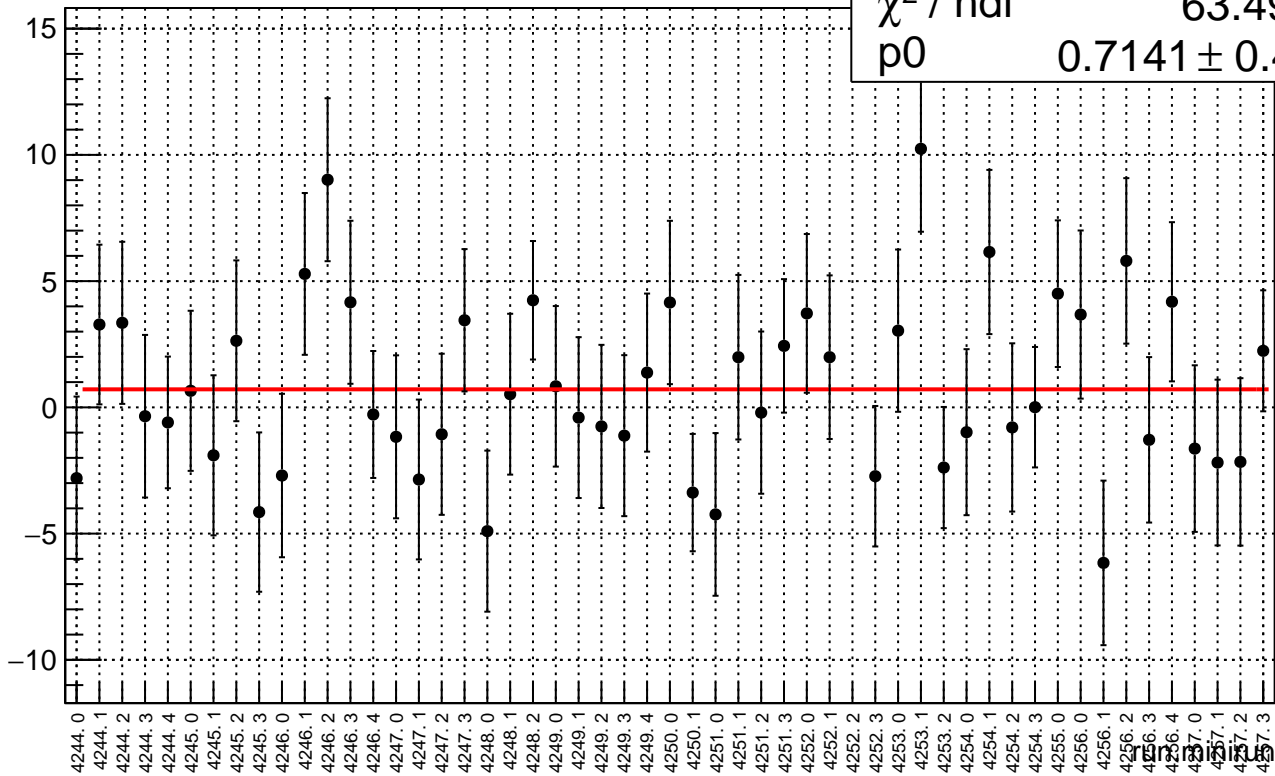
reg\_asym\_atr\_avg\_rms/ppm



reg\_asym\_atr\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  63.49 / 51  
p0  $0.7141 \pm 0.4202$

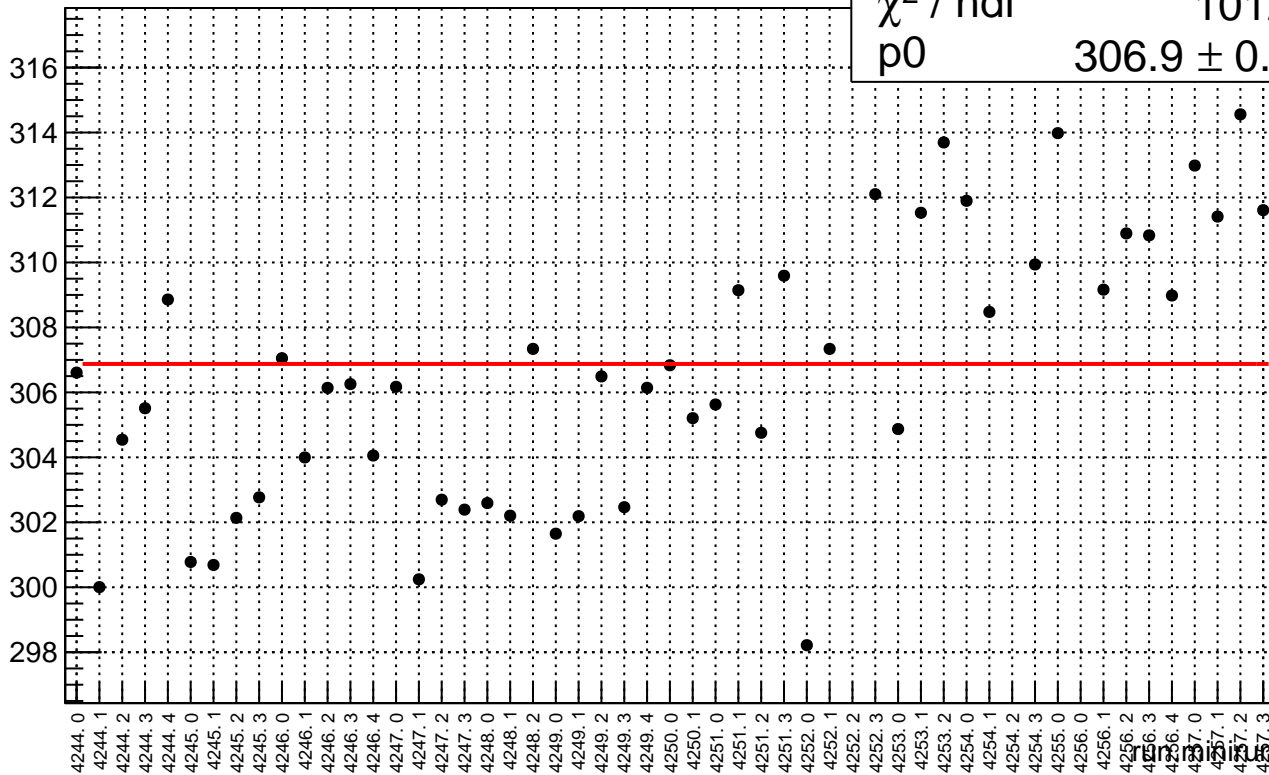
reg\_asym\_atr\_dd\_mean/ppm



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

reg\_asym\_atr\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  1012 / 51  
 p0  $306.9 \pm 0.6177$

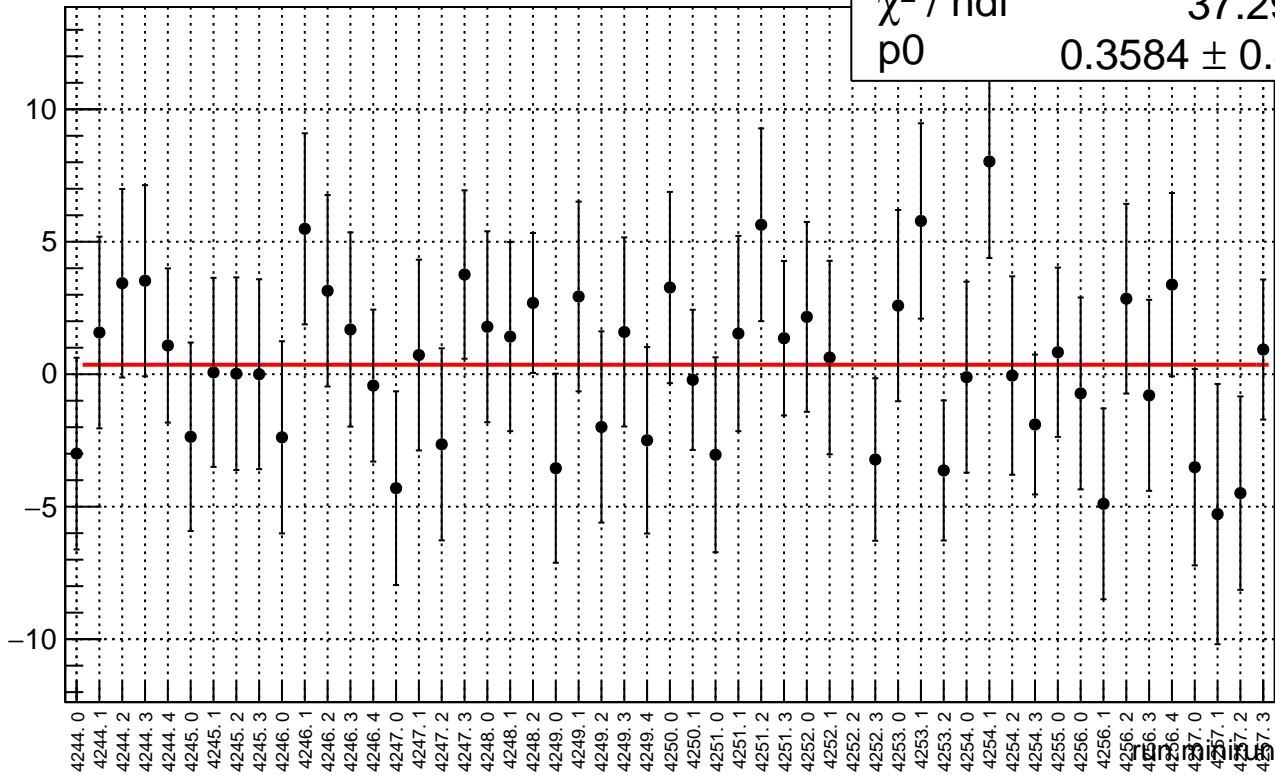




reg\_asym\_at1\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  37.29 / 51  
p0  $0.3584 \pm 0.4722$

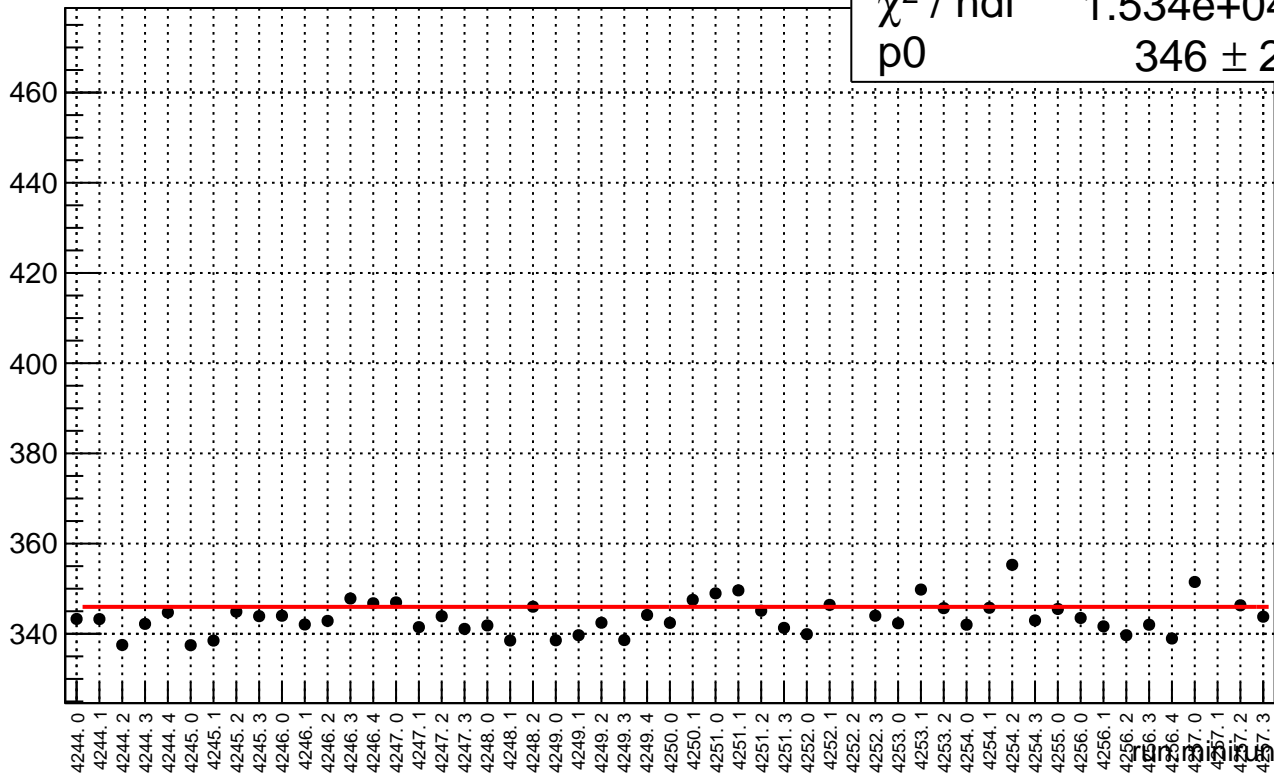
reg\_asym\_at1\_avg\_mean/ppm



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

 $\chi^2 / \text{ndf}$  1.534e+04 / 51  
p0 346 ± 2.405

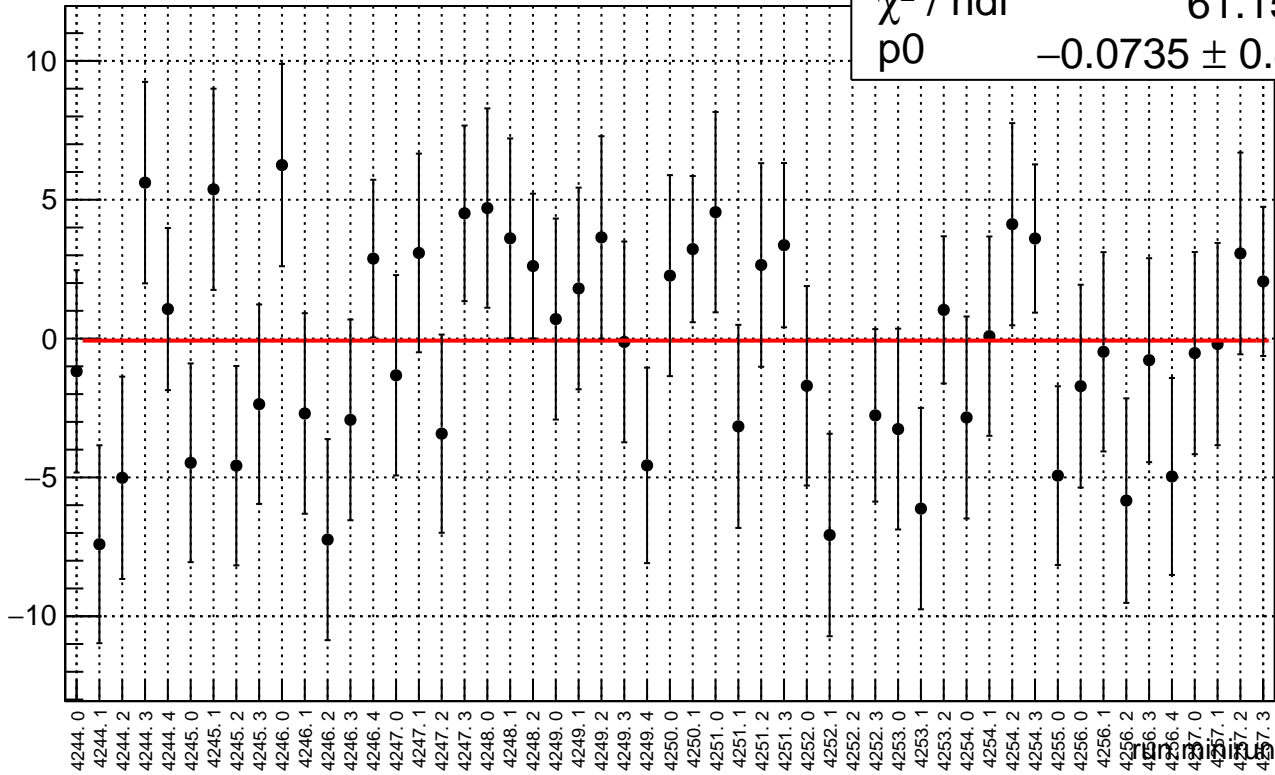
reg\_asym\_at1\_avg\_rms/ppm



reg\_asym\_at1\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  61.15 / 51  
p0  $-0.0735 \pm 0.4712$

reg\_asym\_at1\_dd\_mean/ppm



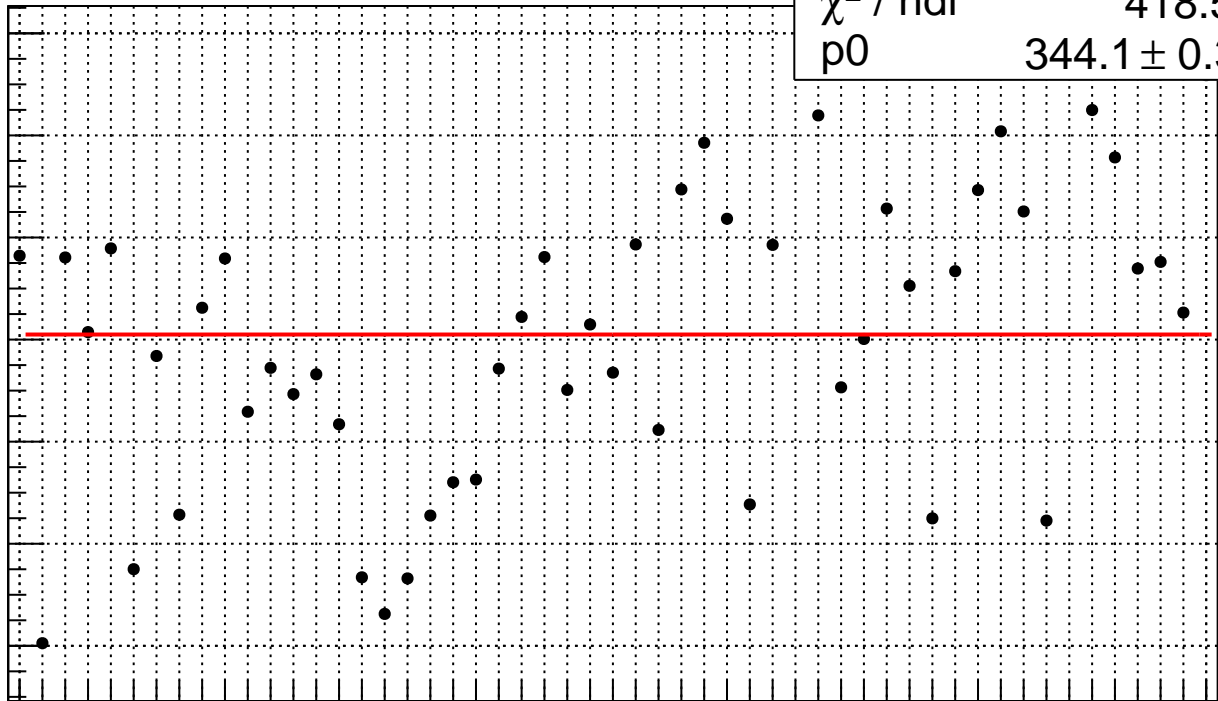
reg\_asym\_at1\_dd\_rms/ppm

reg\_asym\_at1\_dd\_rms/ppm

350  
348  
346  
344  
342  
340  
338

$\chi^2 / \text{ndf}$  418.5 / 51  
p0  $344.1 \pm 0.3973$

4244.0  
4244.1  
4244.2  
4244.3  
4244.4  
4245.0  
4245.1  
4245.2  
4245.3  
4246.0  
4246.1  
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4247.0  
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4254.0  
4254.1  
4254.2  
4254.3  
4255.0  
4256.0  
4256.1  
4256.2  
4256.3  
4256.4  
4257.0  
4257.1  
4257.2  
4257.3



reg\_asym\_at2\_avg\_mean/ppm

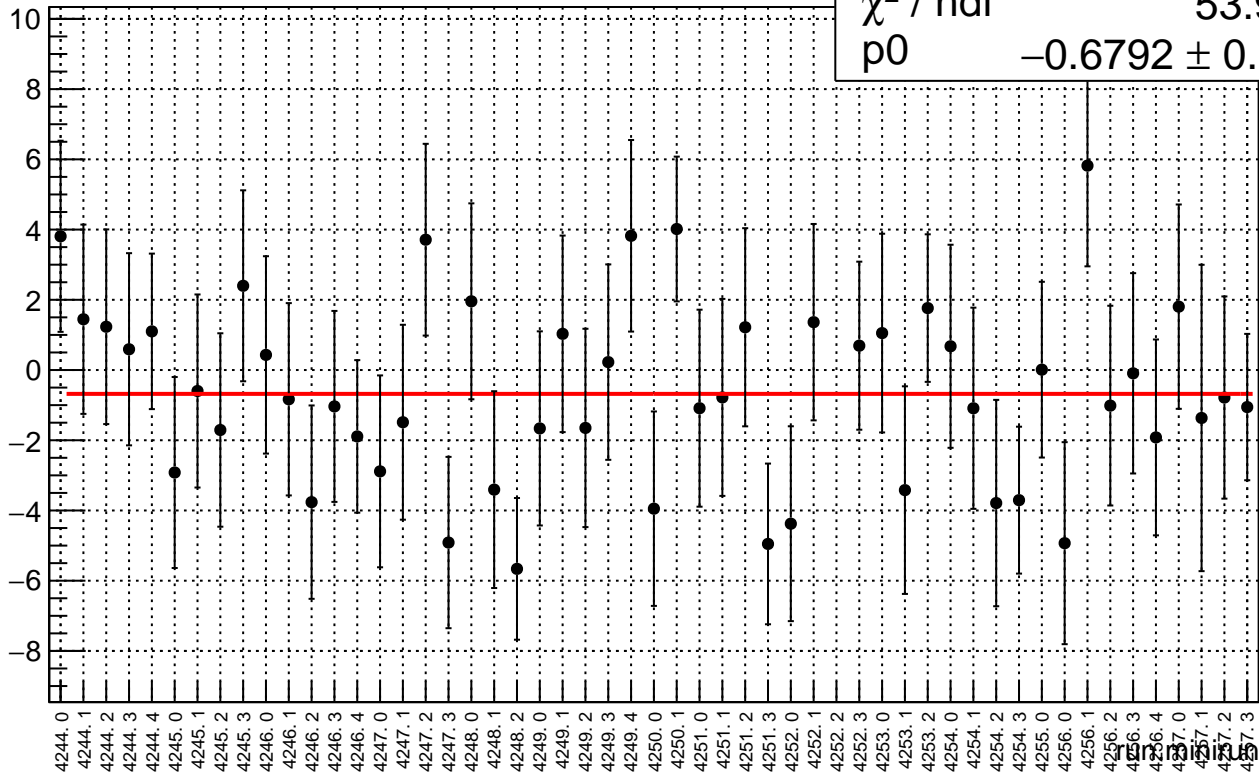
$\chi^2 / \text{ndf}$

53.9 / 51

p0

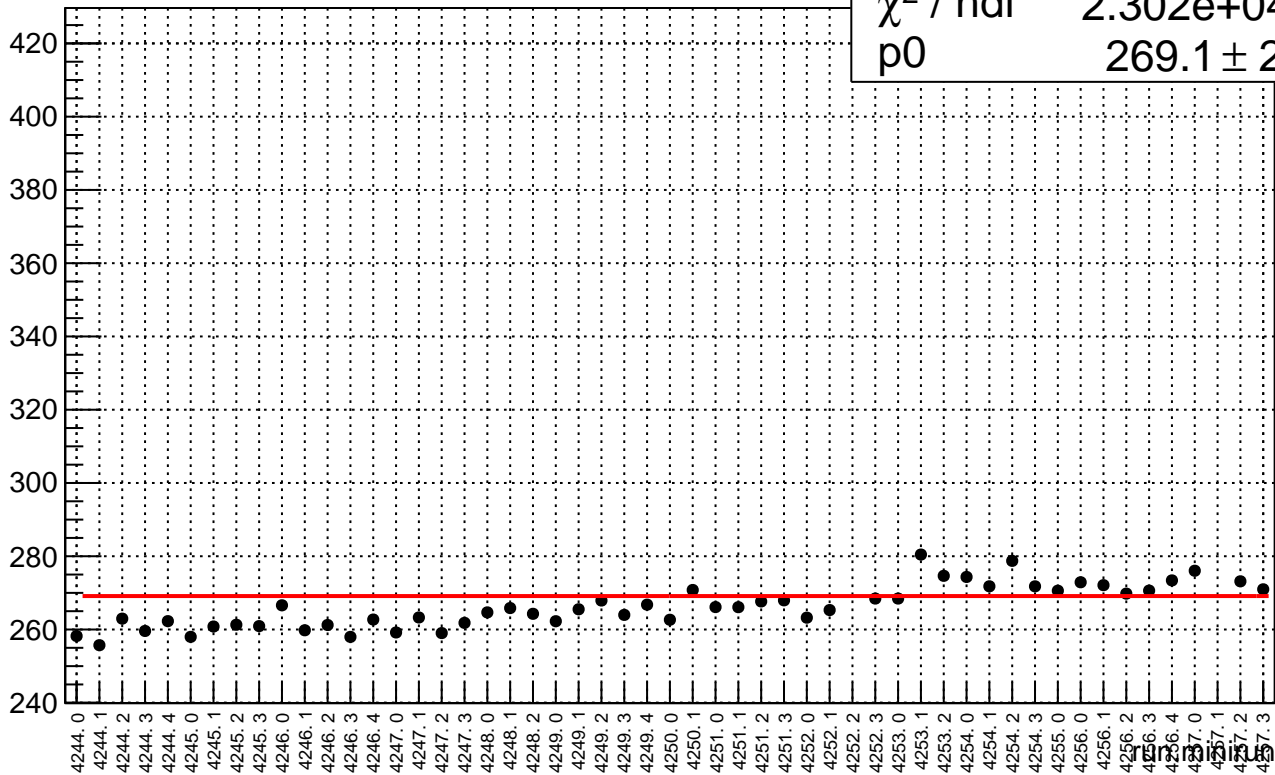
$-0.6792 \pm 0.3664$

reg\_asym\_at2\_avg\_mean/ppm



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

reg\_asym\_at2\_avg\_rms/ppm



reg\_asym\_at2\_dd\_mean/ppm

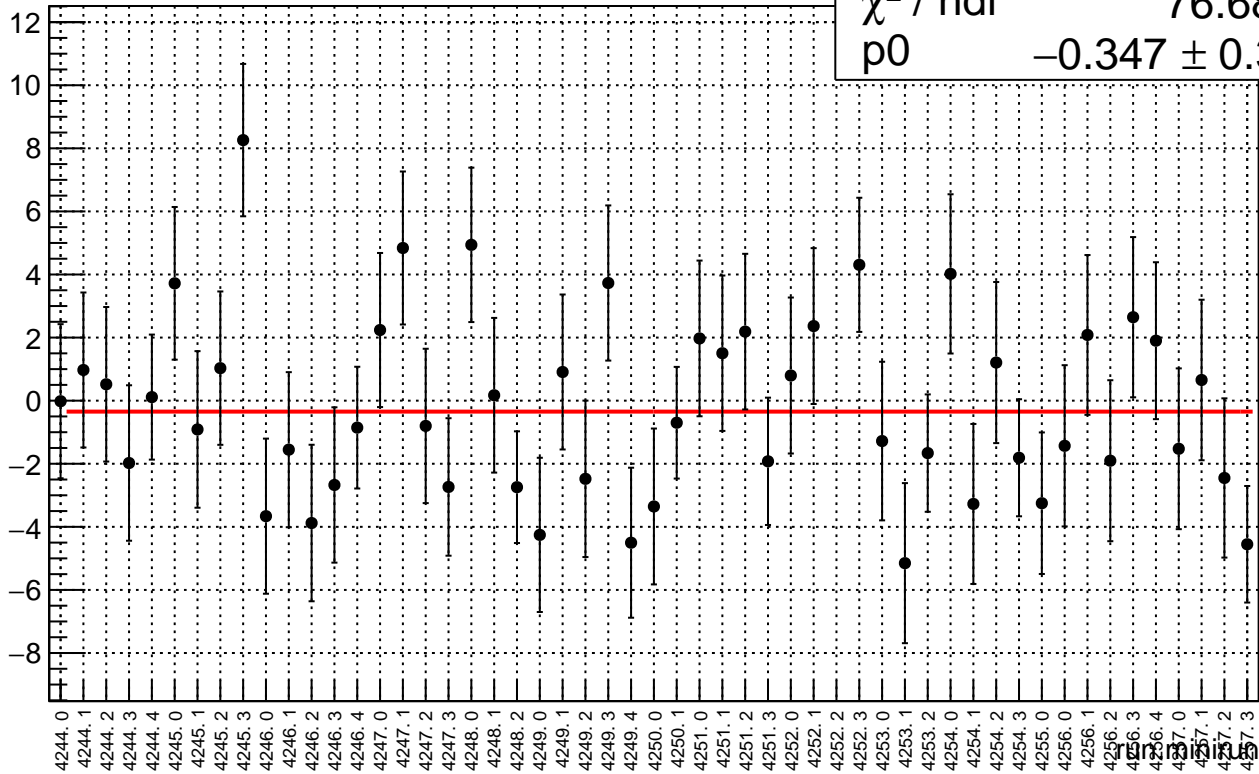
$\chi^2 / \text{ndf}$

76.68 / 51

p0

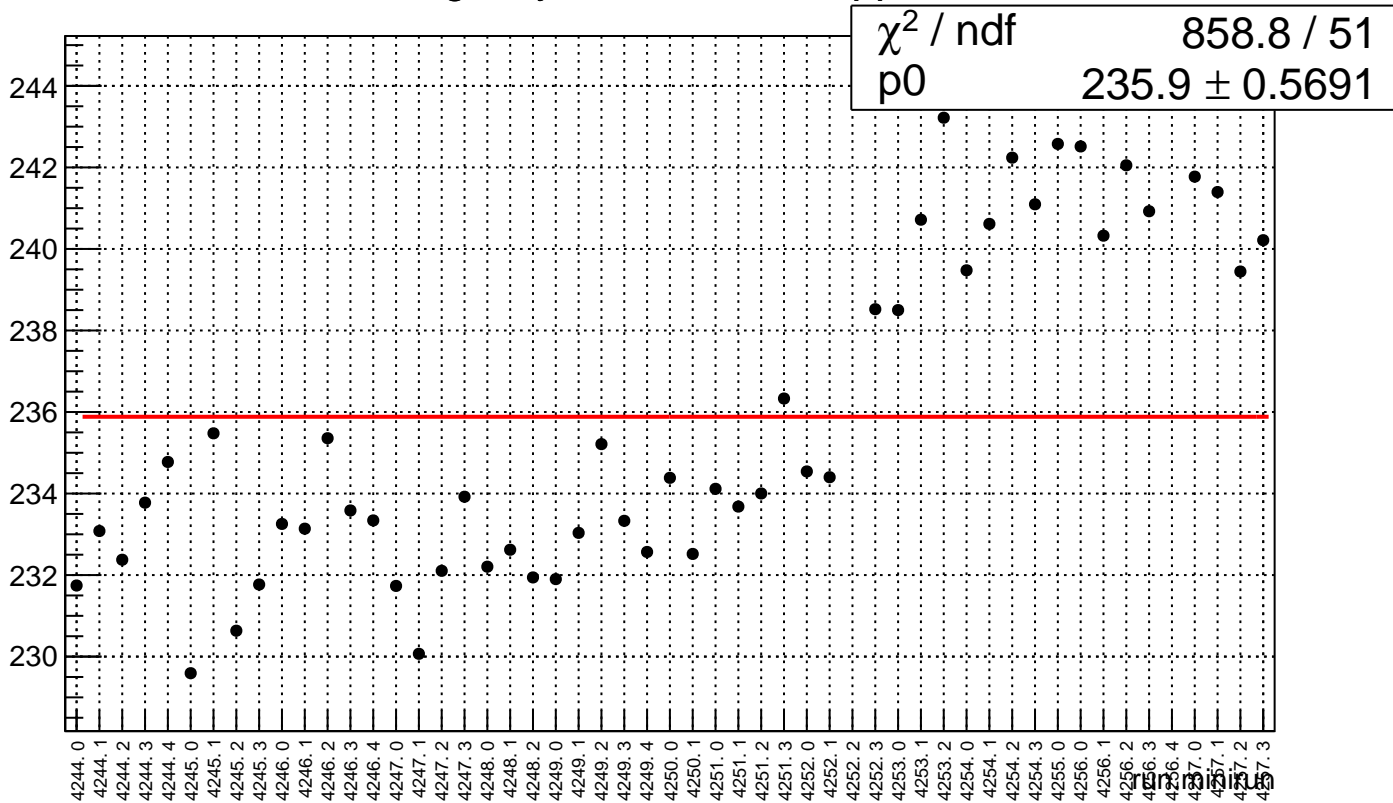
$-0.347 \pm 0.3229$

reg\_asym\_at2\_dd\_mean/ppm



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

reg\_asym\_at2\_dd\_rms/ppm

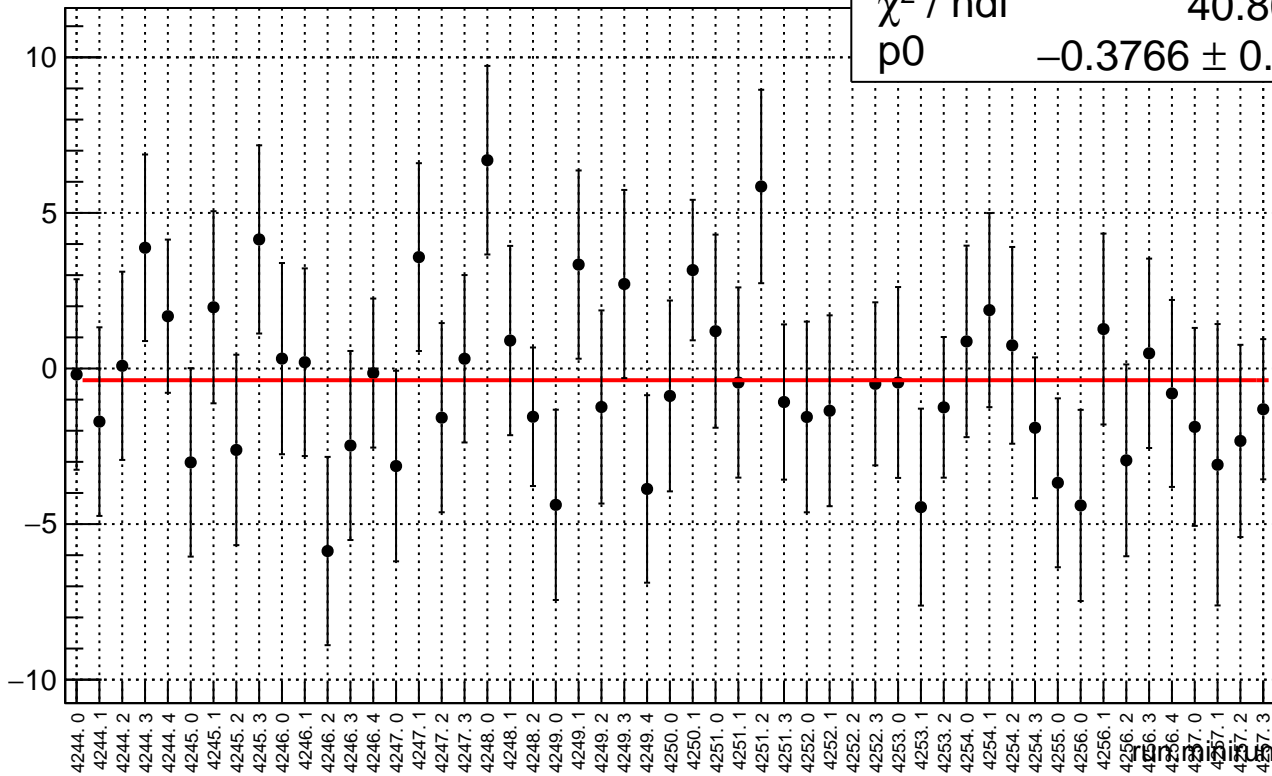




# reg\_asym\_atl1r2\_avg\_mean/ppm

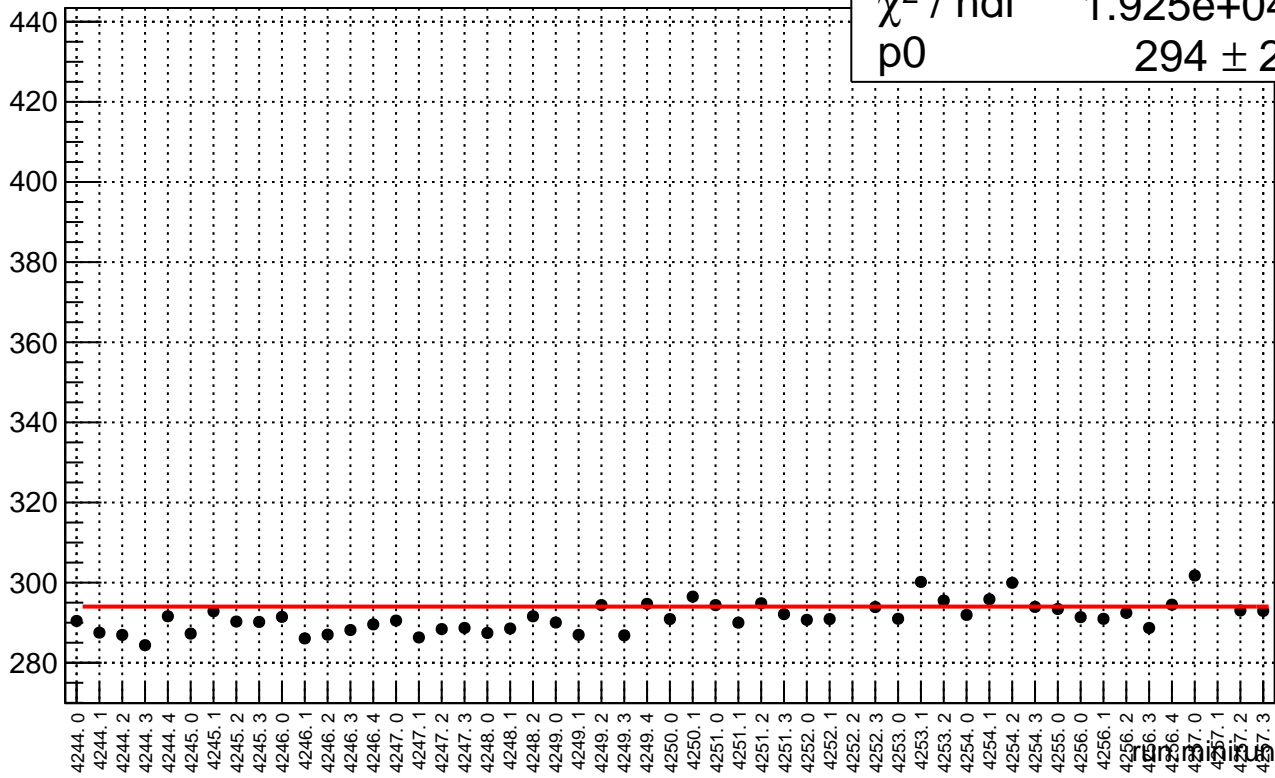
reg\_asym\_atl1r2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  40.86 / 51  
 p0  $-0.3766 \pm 0.4008$



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

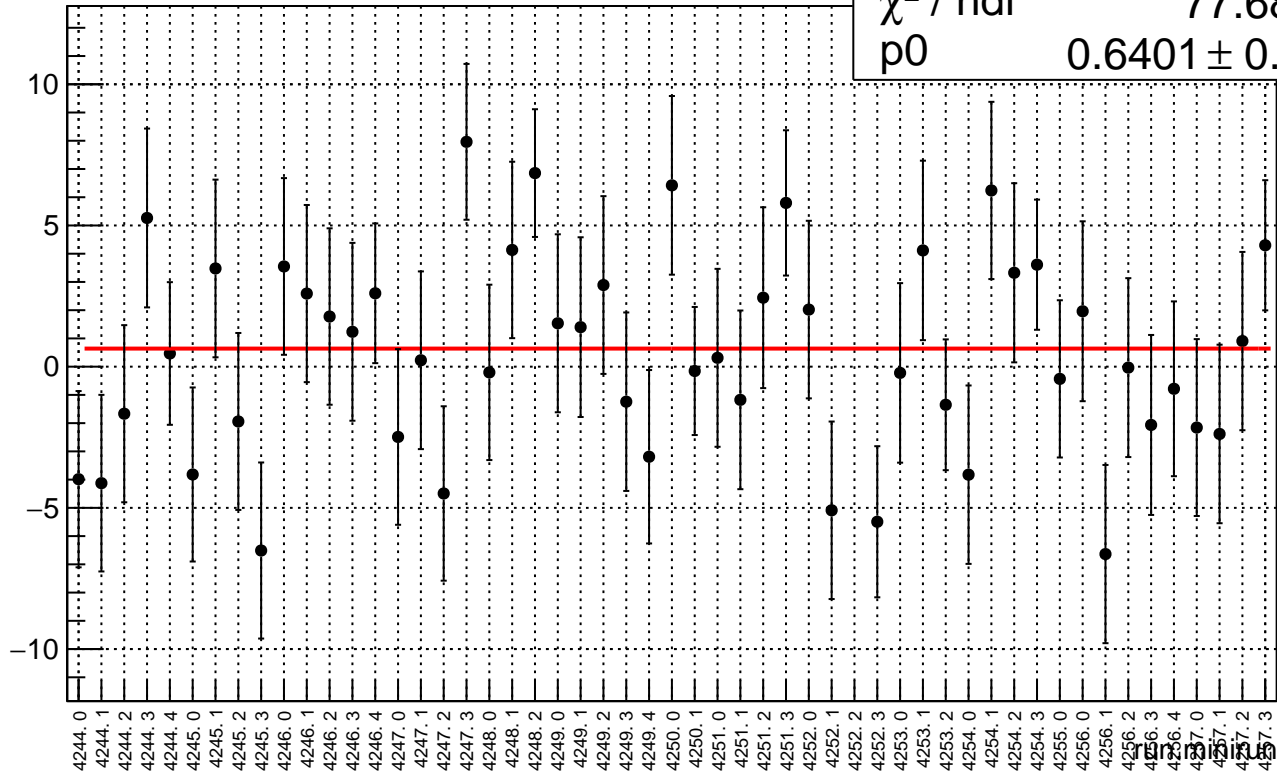
reg\_asym\_atl1r2\_avg\_rms/ppm



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

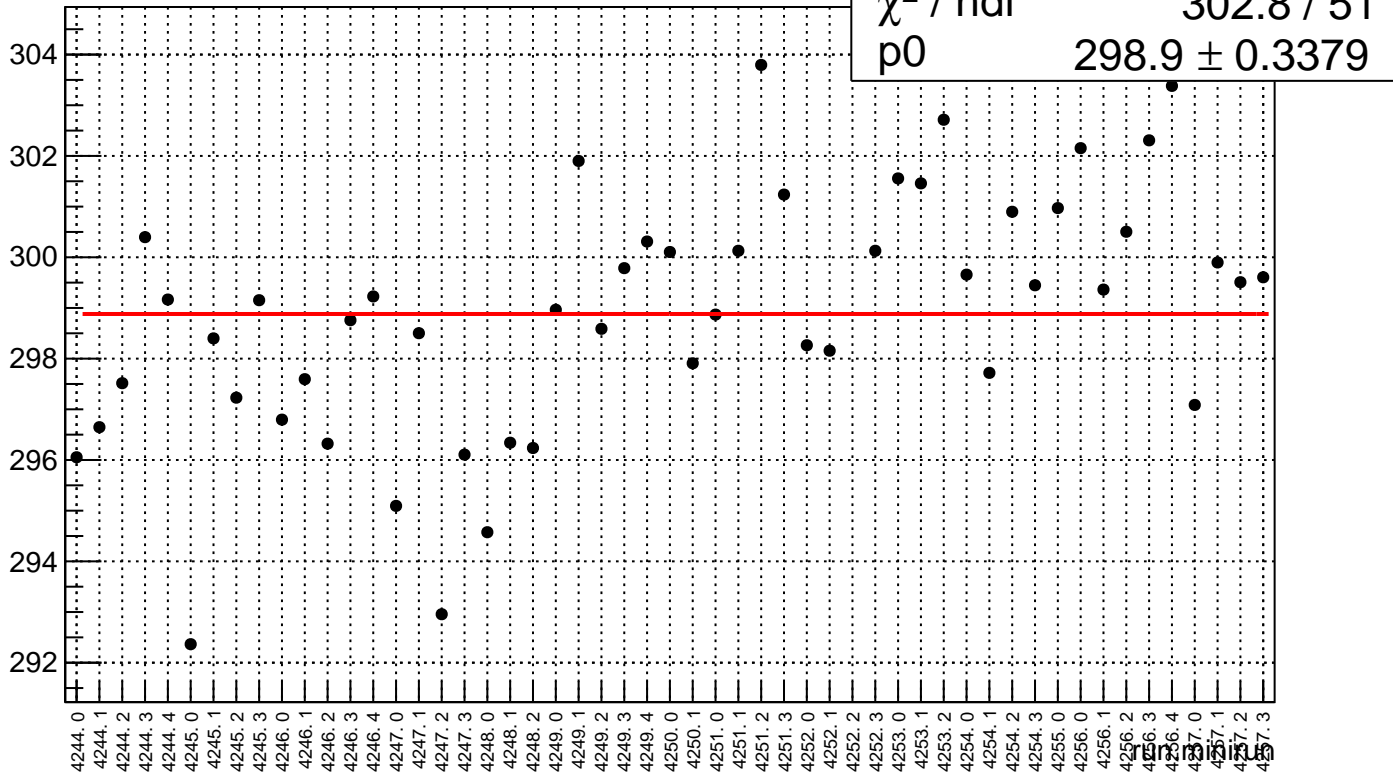
 $\chi^2 / \text{ndf}$  77.68 / 51  
p0  $0.6401 \pm 0.4091$ 

reg\_asym\_atl1r2\_dd\_mean/ppm



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

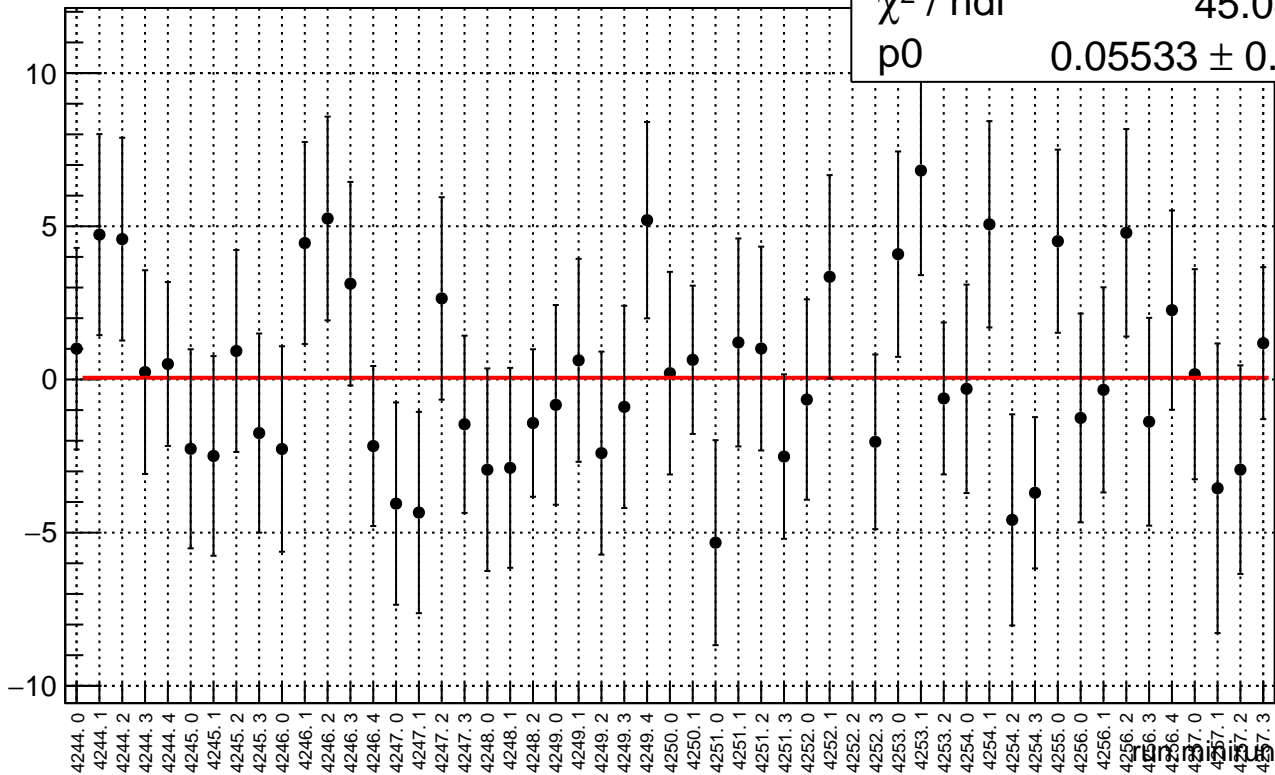
reg\_asym\_atl1r2\_dd\_rms/ppm



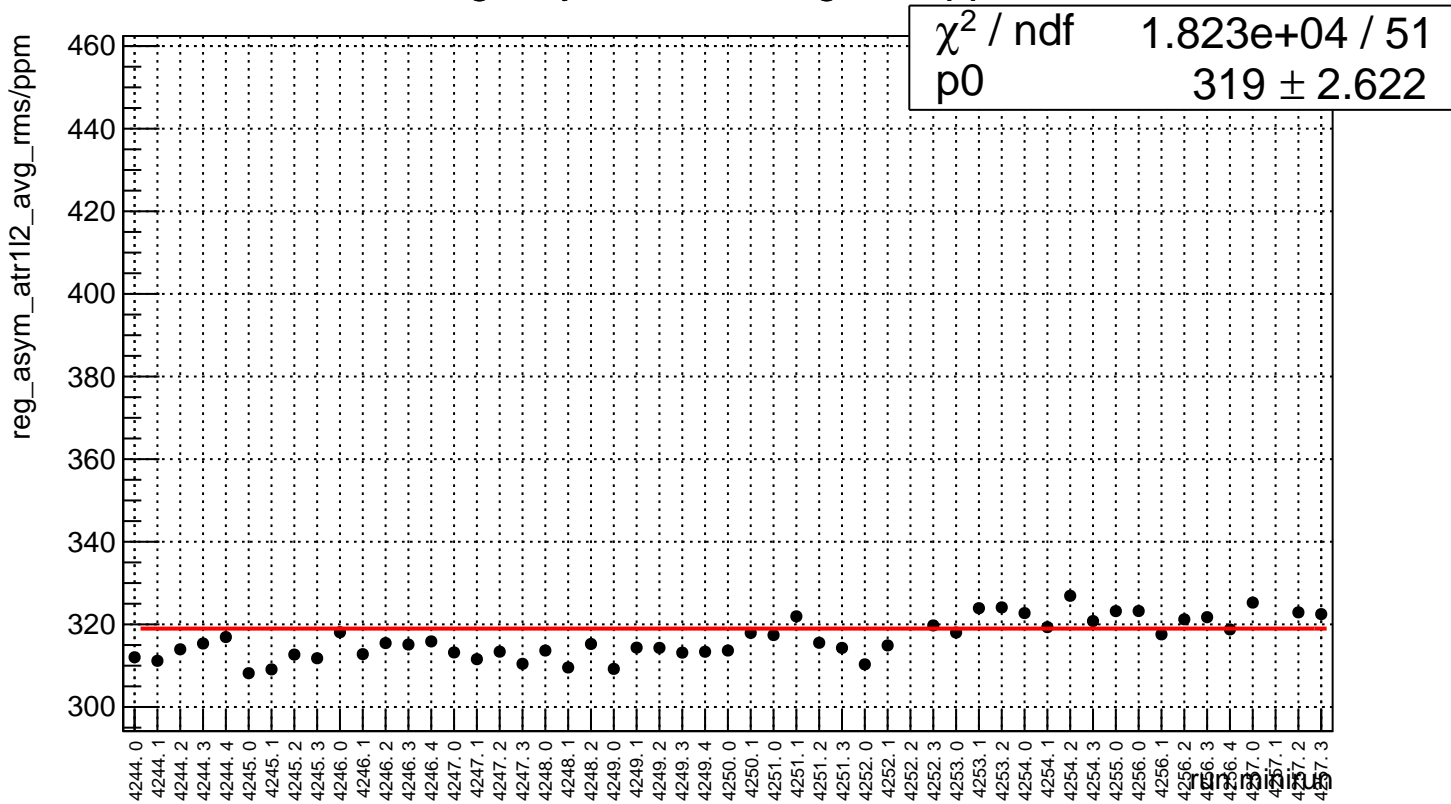
# reg\_asym\_atr1l2\_avg\_mean/ppm

reg\_asym\_atr1l2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  45.04 / 51  
 p0 0.05533 ± 0.4352



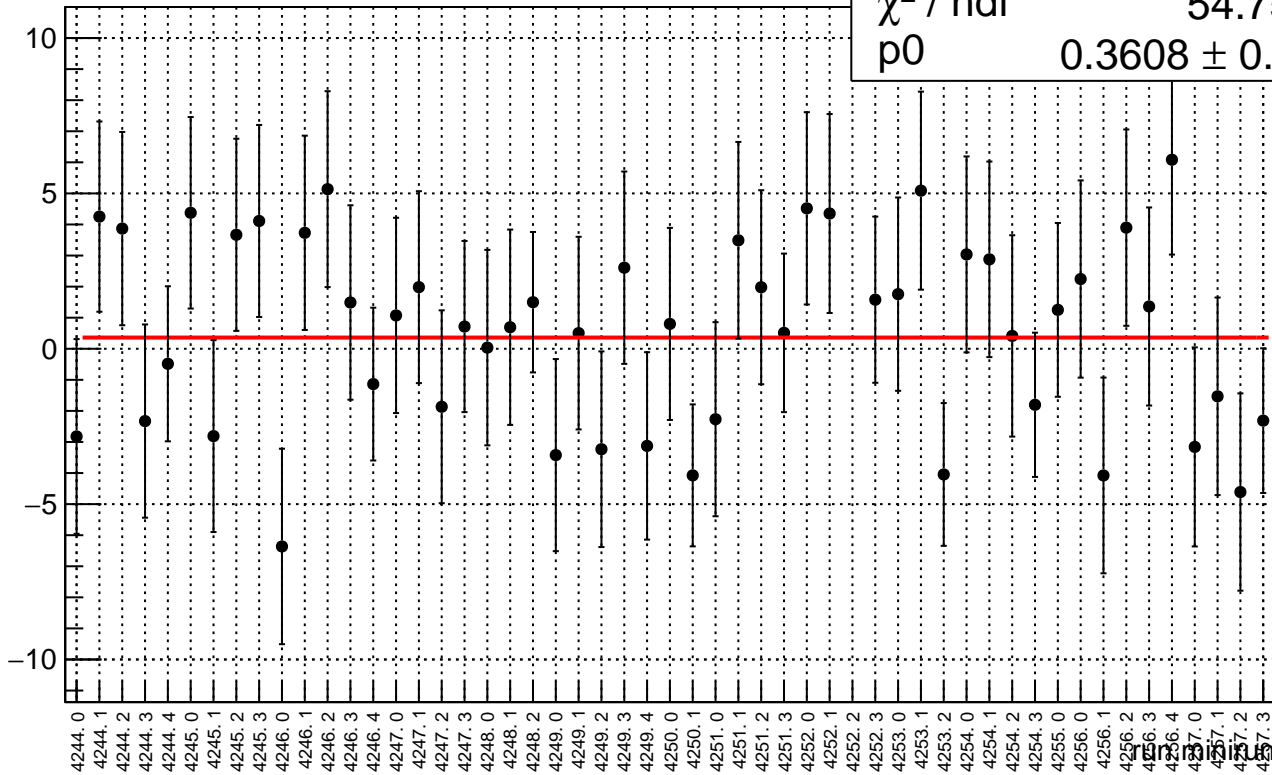
## reg\_asym\_atr1l2\_avg\_rms/ppm



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

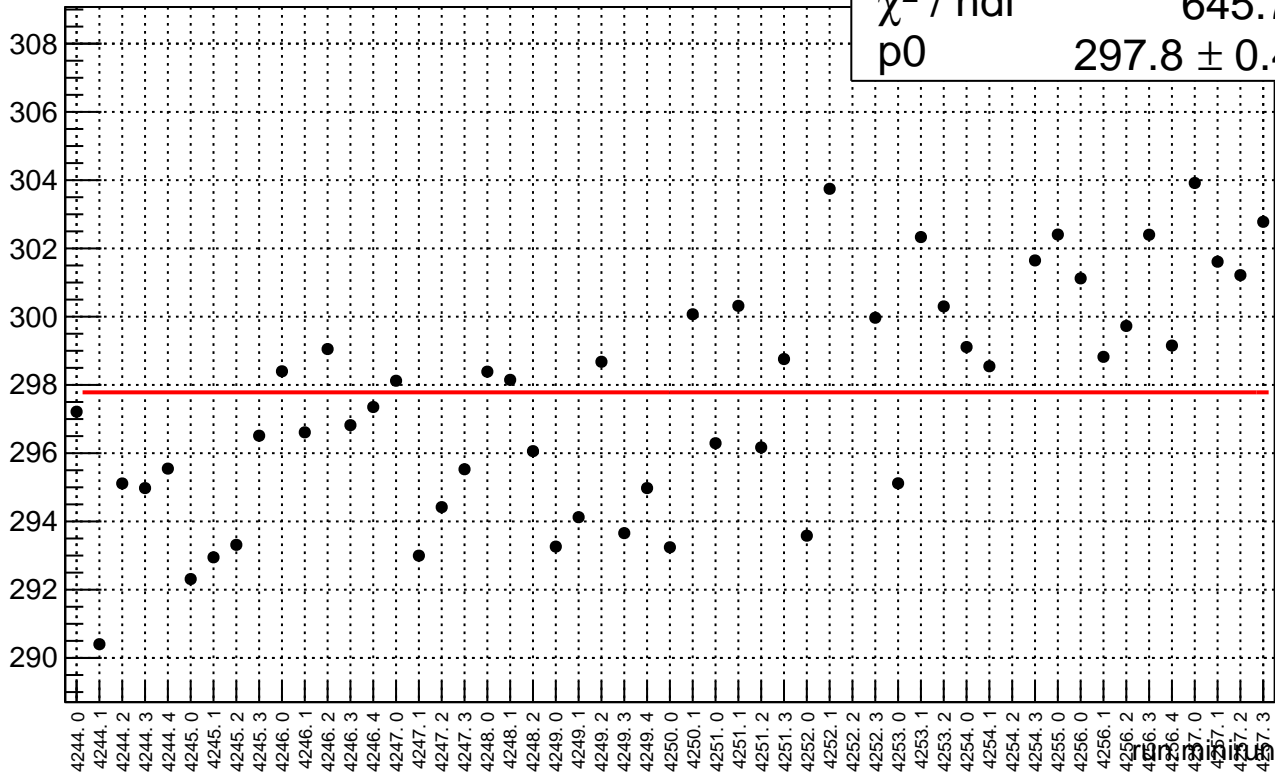
reg\_asym\_atr1l2\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  54.75 / 51  
 p0  $0.3608 \pm 0.4077$



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

reg\_asym\_atr1l2\_dd\_rms/ppm

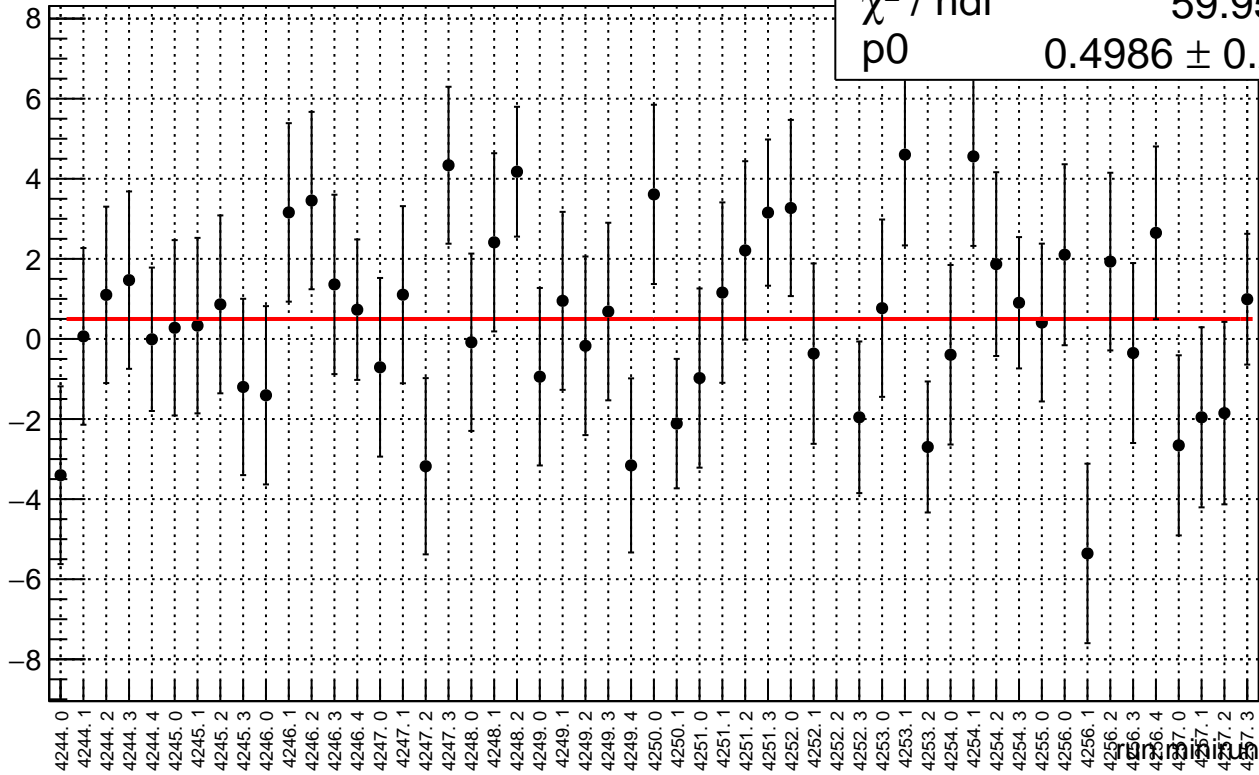




# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

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

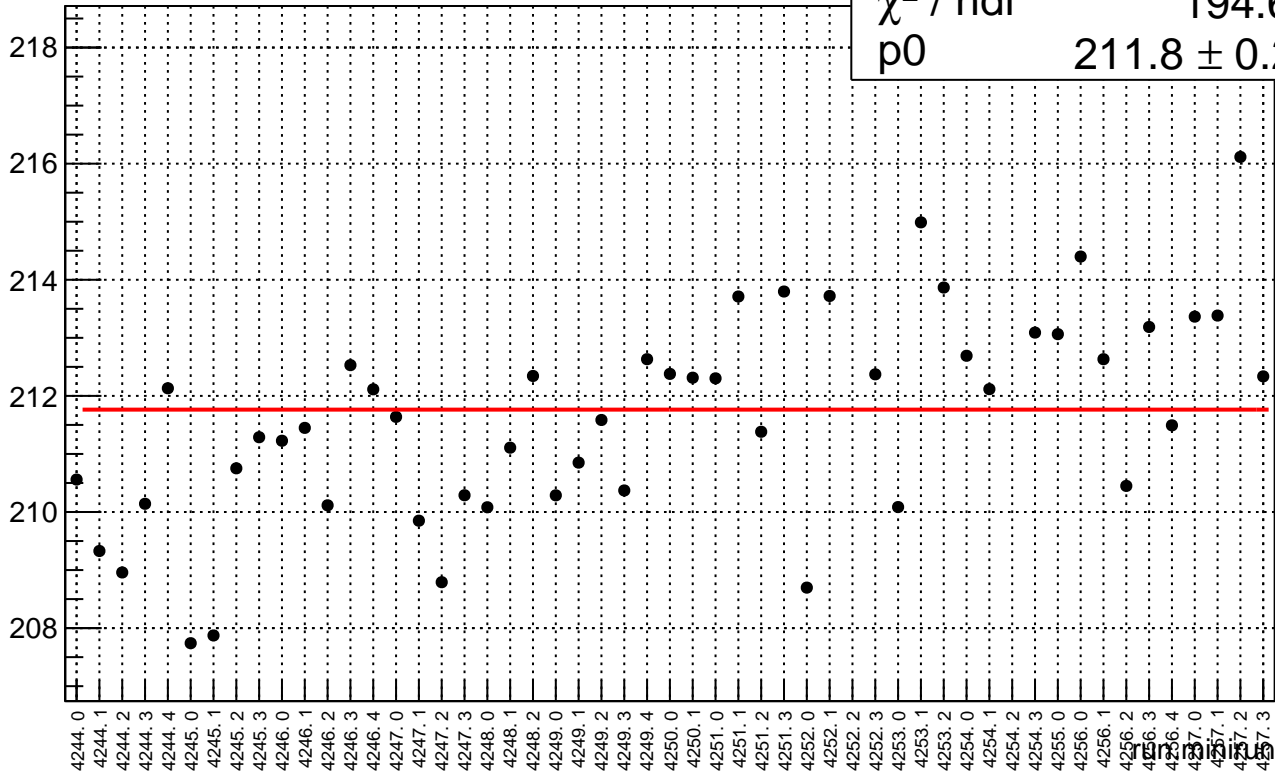
$\chi^2 / \text{ndf}$  59.95 / 51  
 p0  $0.4986 \pm 0.2899$



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

$\chi^2 / \text{ndf}$  194.6 / 51  
p0 211.8  $\pm$  0.2709

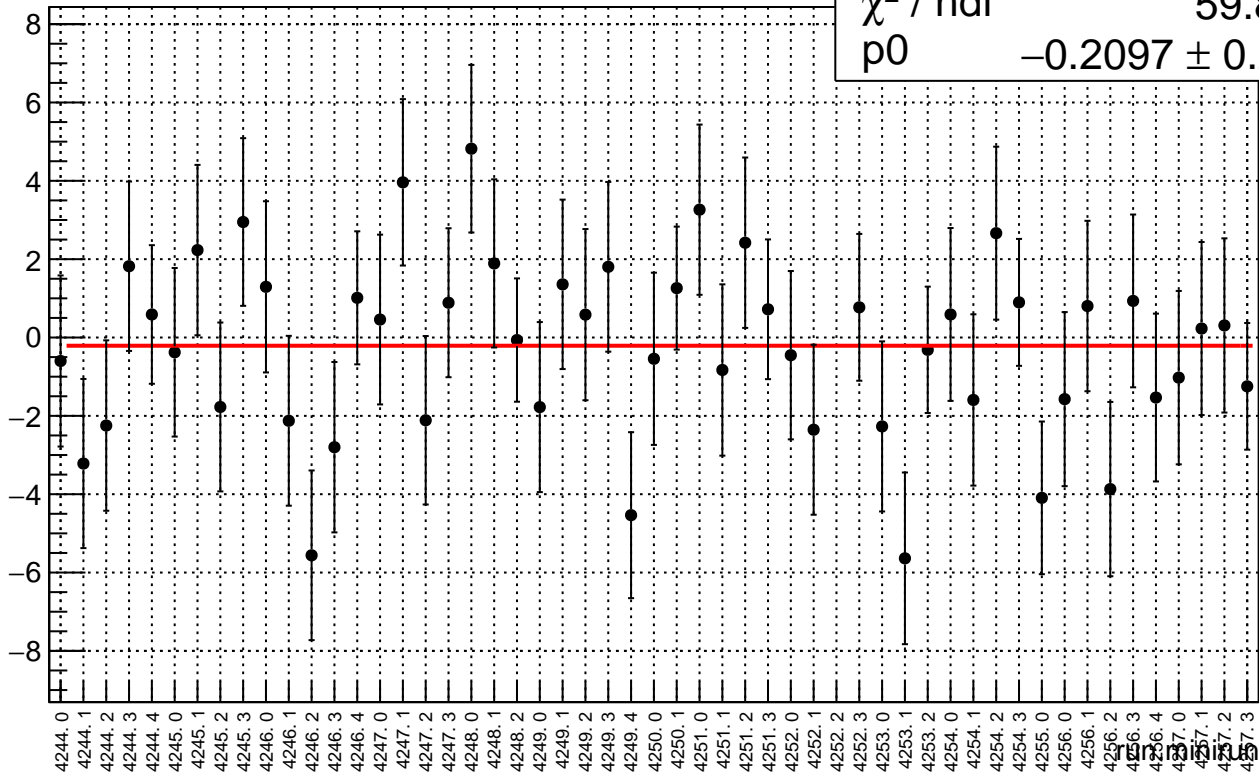
reg\_asym\_atl\_dd\_atr\_dd\_avg\_rms/ppm



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

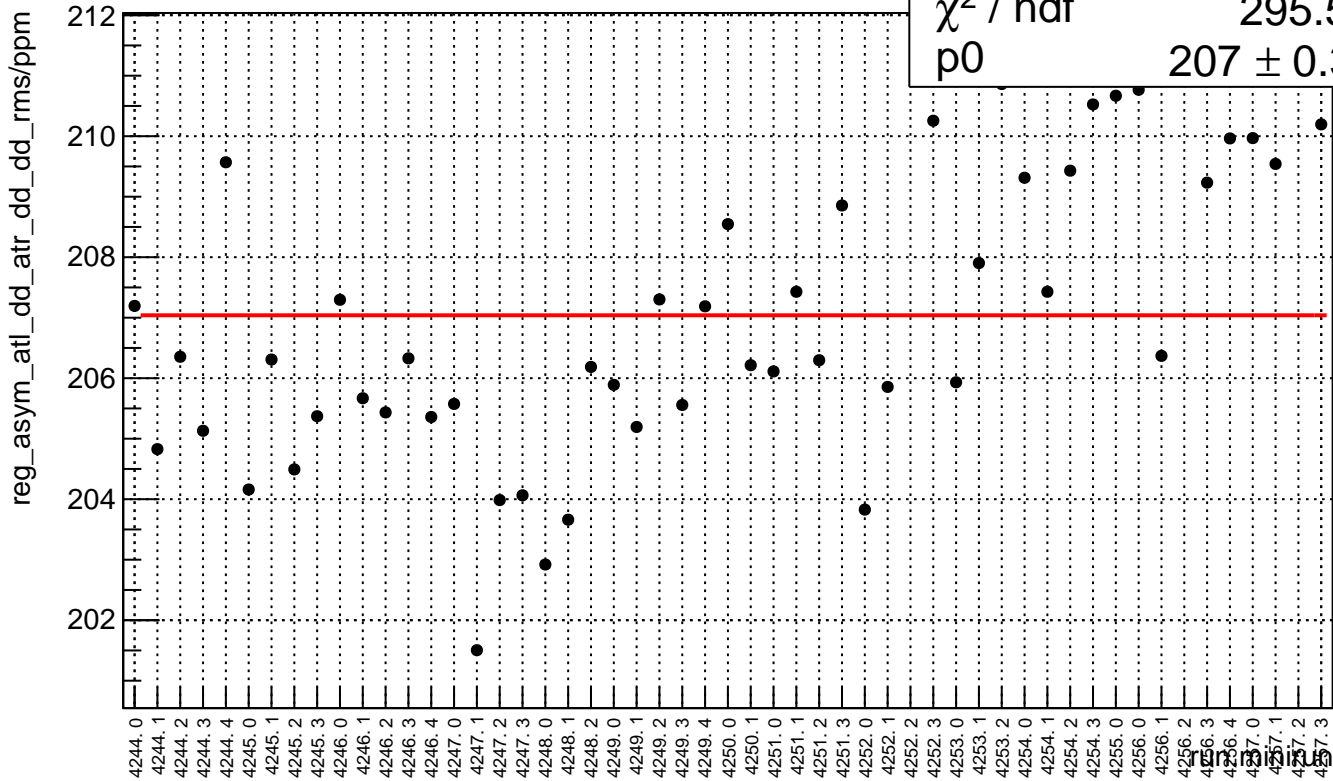
$\chi^2 / \text{ndf}$  59.8 / 51  
 $p_0$   $-0.2097 \pm 0.2836$

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



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

$\chi^2 / \text{ndf}$  295.5 / 51  
p0  $207 \pm 0.3338$



reg\_asym\_usl\_mean/ppm

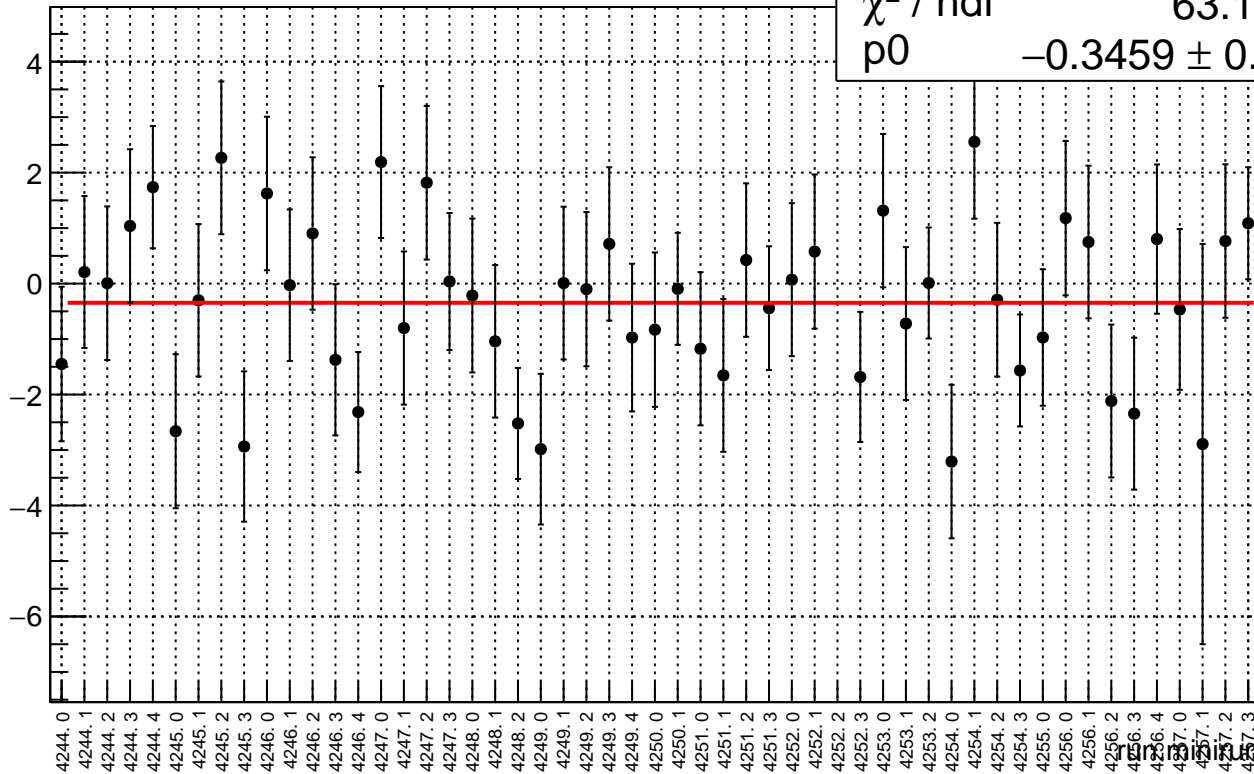
$\chi^2 / \text{ndf}$

63.16 / 51

p0

$-0.3459 \pm 0.1808$

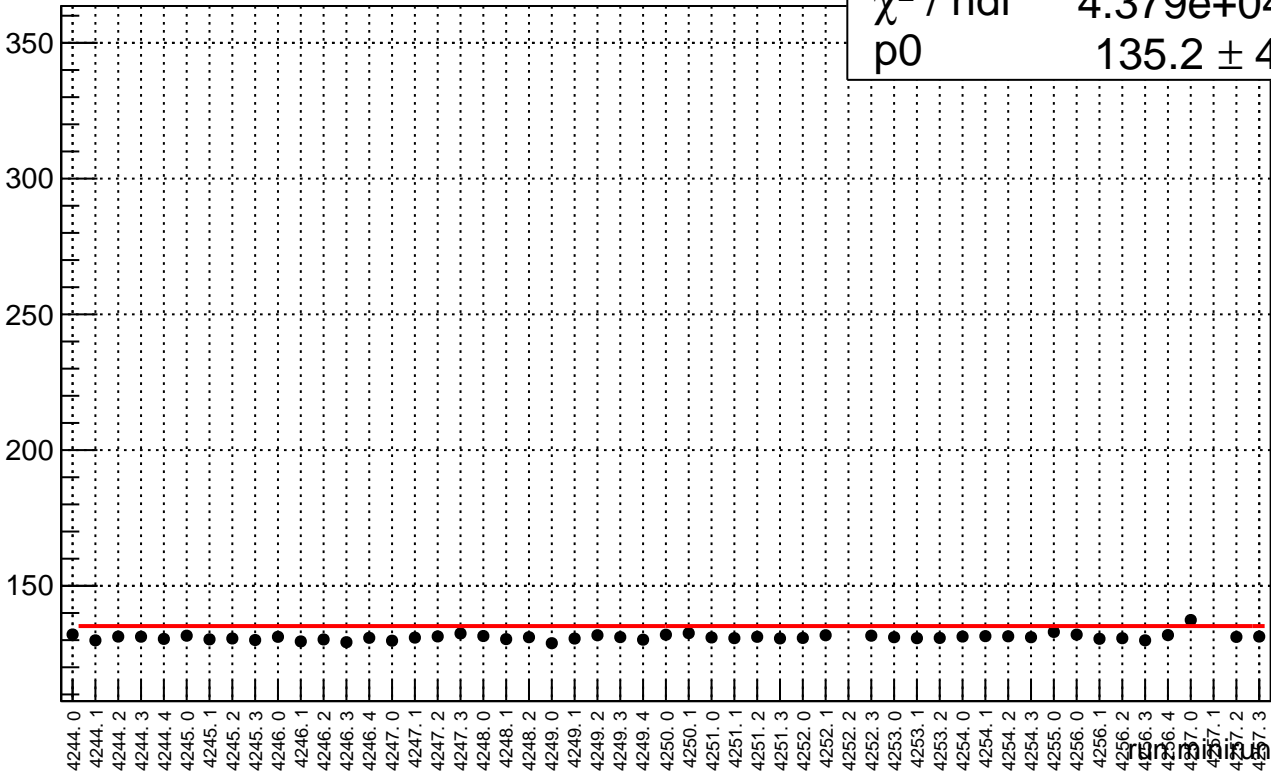
reg\_asym\_usl\_mean/ppm



# reg\_asym\_usl\_rms/ppm

reg\_asym\_usl\_rms/ppm

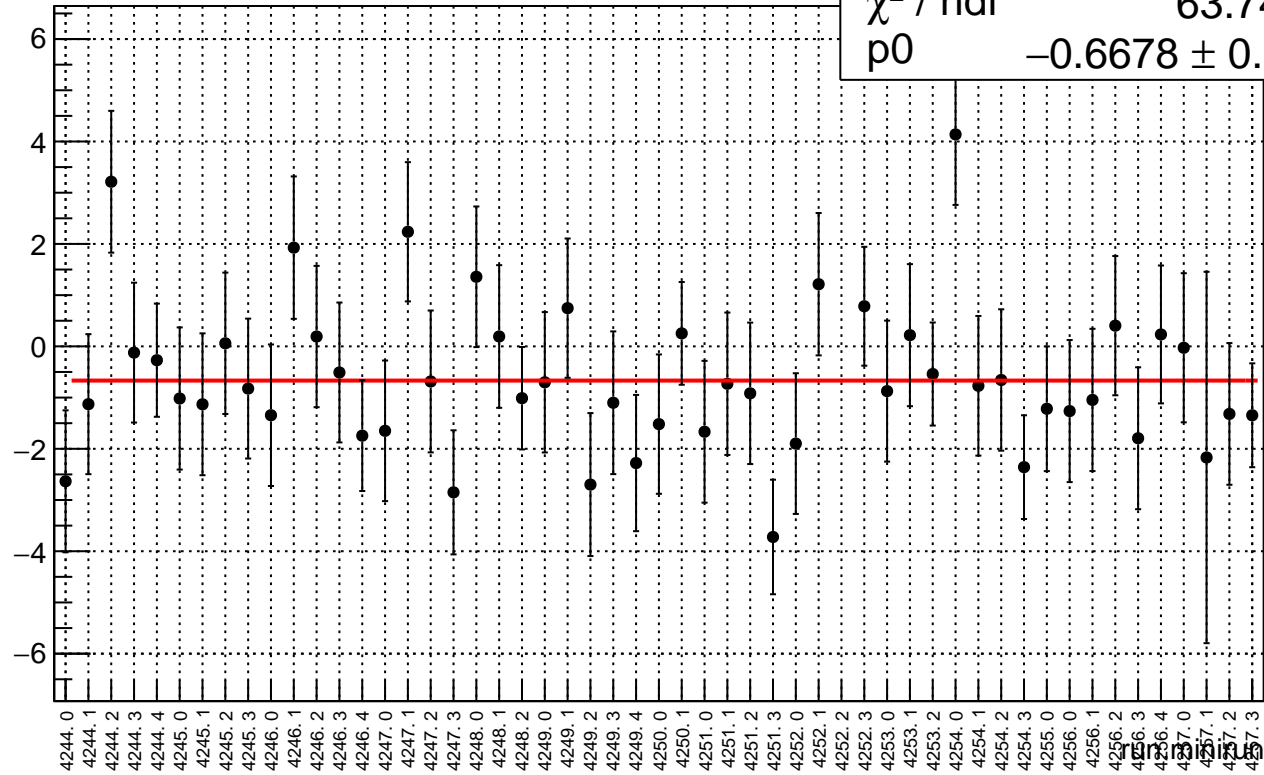
$\chi^2 / \text{ndf}$  4.379e+04 / 51  
 p0 135.2 ± 4.064



# reg\_asym\_usr\_mean/ppm

reg\_asym\_usr\_mean/ppm

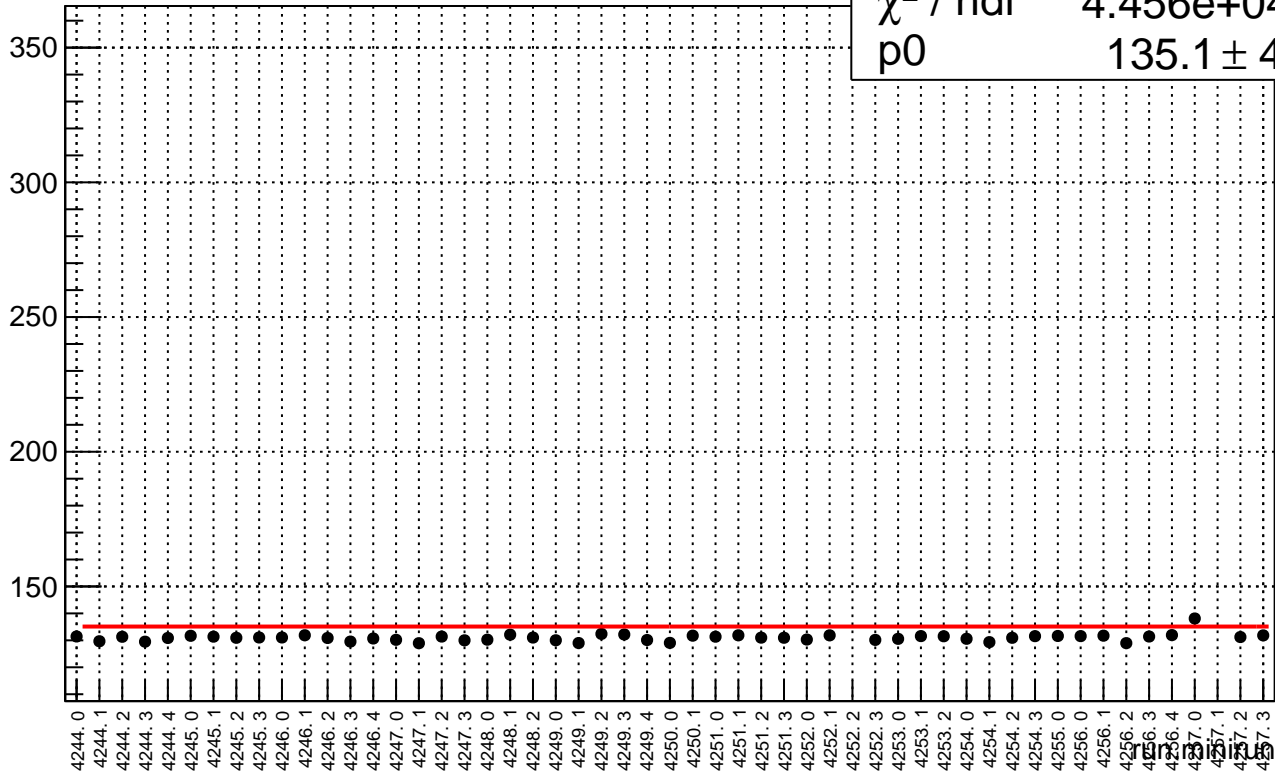
$\chi^2 / \text{ndf}$  63.74 / 51  
 p0  $-0.6678 \pm 0.1806$



reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  4.456e+04 / 51  
p0 135.1  $\pm$  4.099

reg\_asym\_usr\_rms/ppm

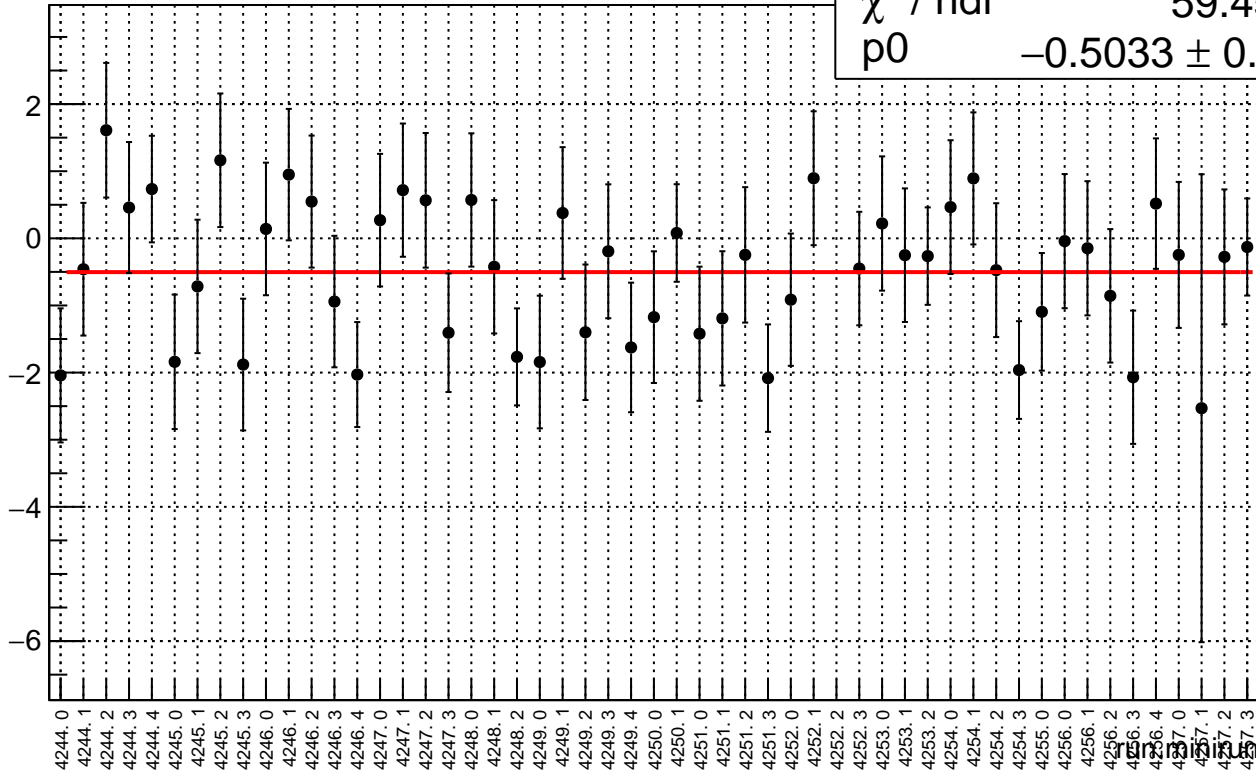




reg\_asym\_us\_avg\_mean/ppm

reg\_asym\_us\_avg\_mean/ppm

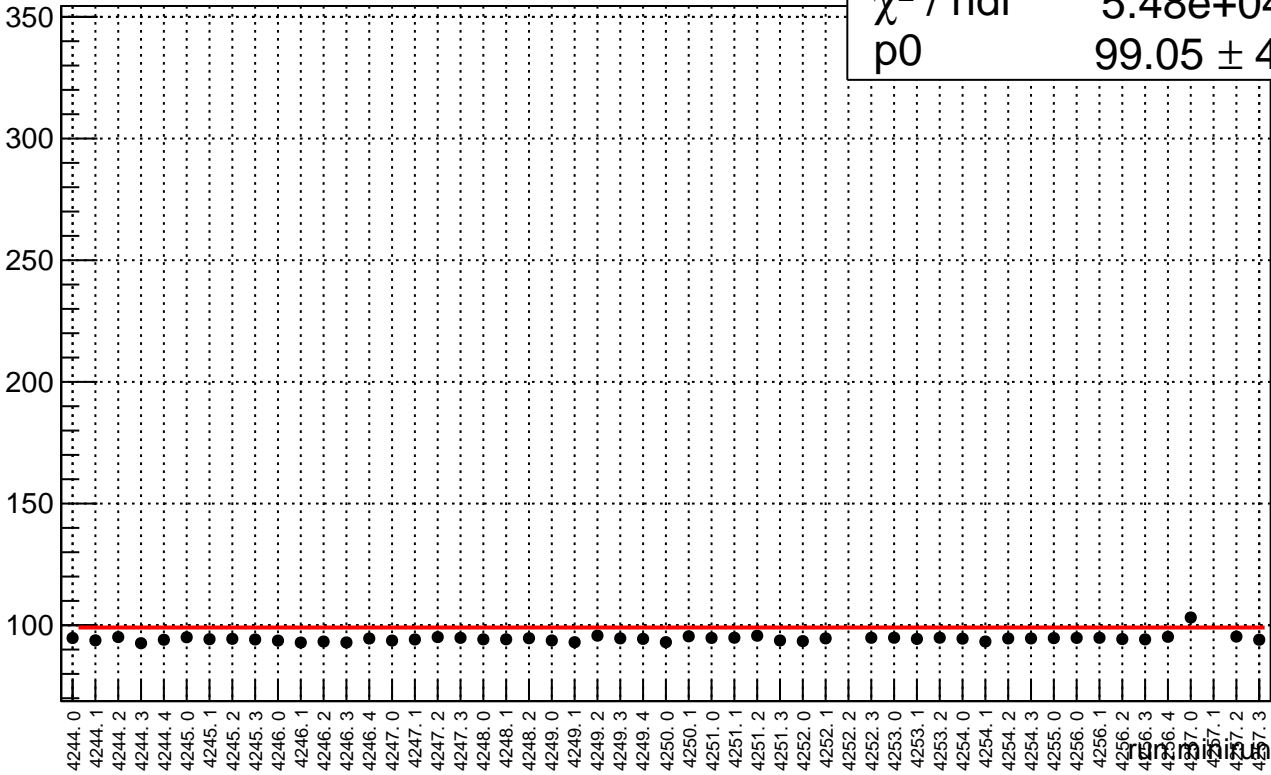
$\chi^2 / \text{ndf}$  59.45 / 51  
p0  $-0.5033 \pm 0.1303$



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

reg\_asym\_us\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  5.48e+04 / 51  
p0 99.05 ± 4.546



reg\_asym\_us\_dd\_mean/ppm

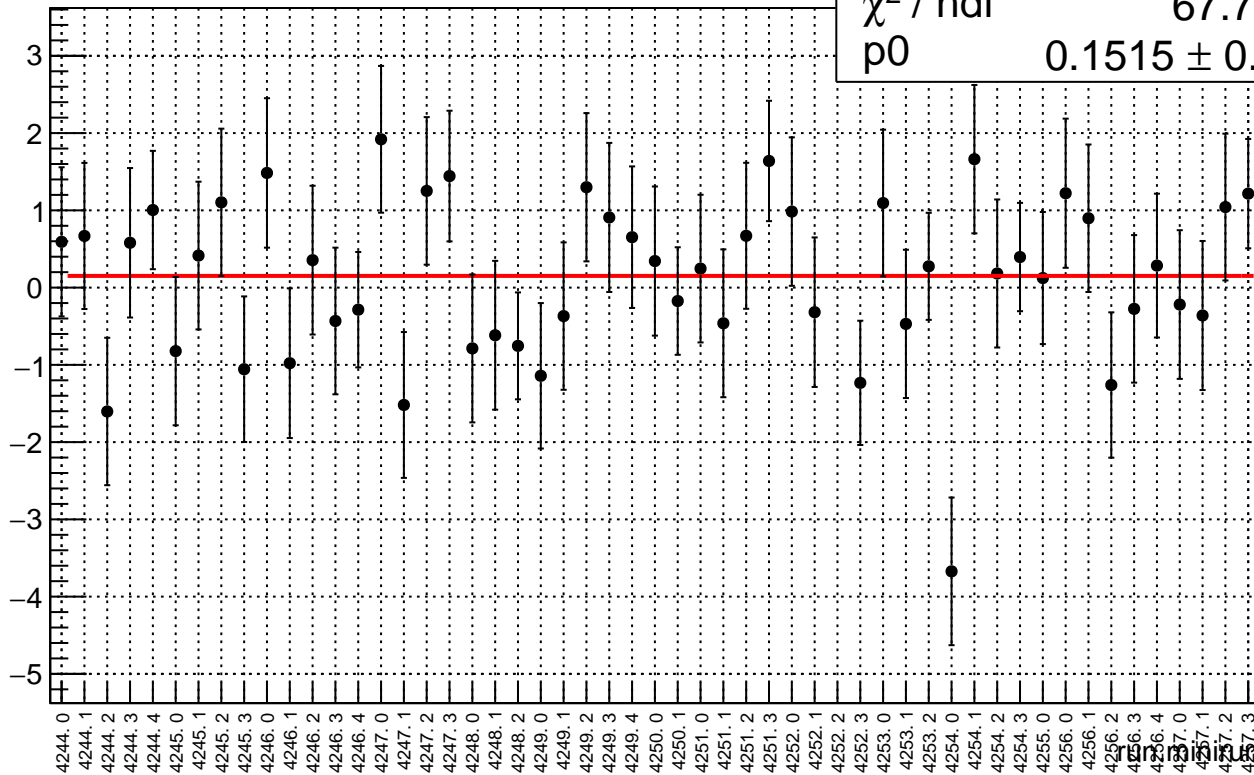
$\chi^2 / \text{ndf}$

67.72 / 51

p0

$0.1515 \pm 0.1243$

reg\_asym\_us\_dd\_mean/ppm



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

reg\_asym\_us\_dd\_rms/ppm

