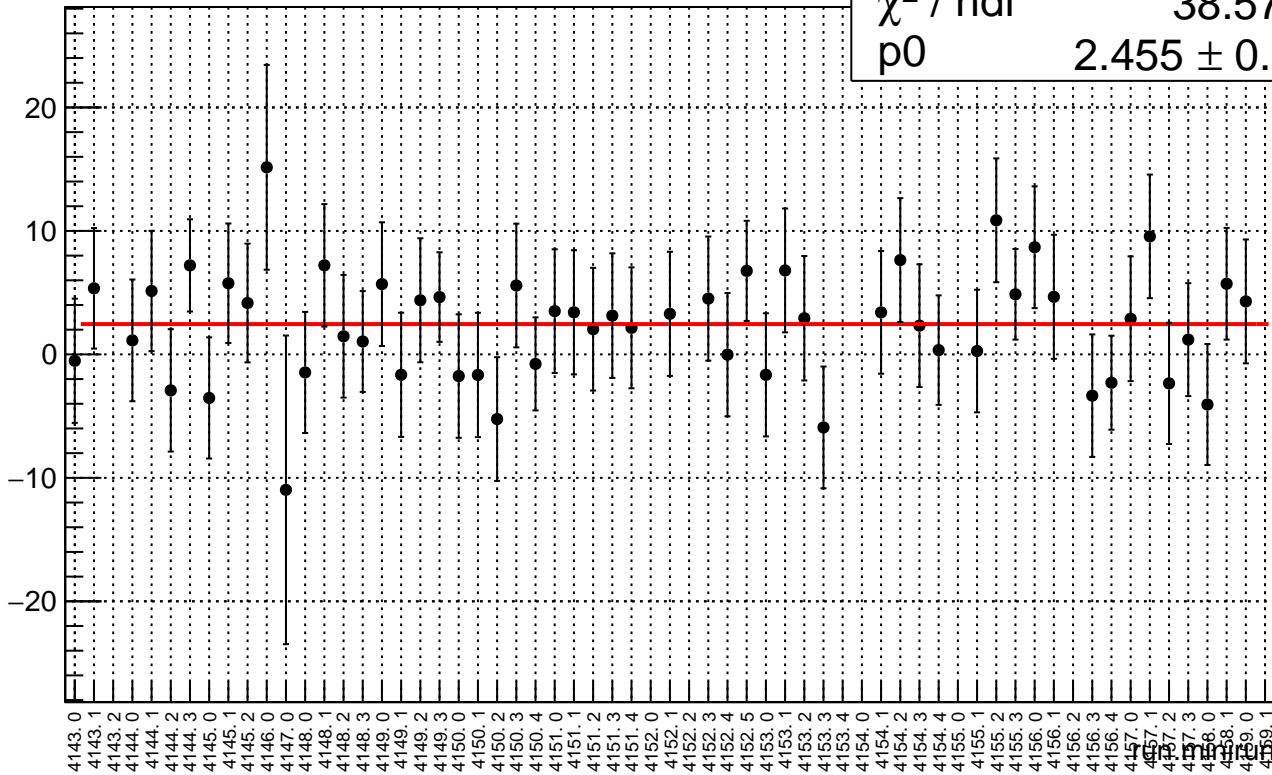


reg\_asym\_atl1\_mean/ppm

$\chi^2 / \text{ndf}$  38.57 / 54  
p0  $2.455 \pm 0.6469$

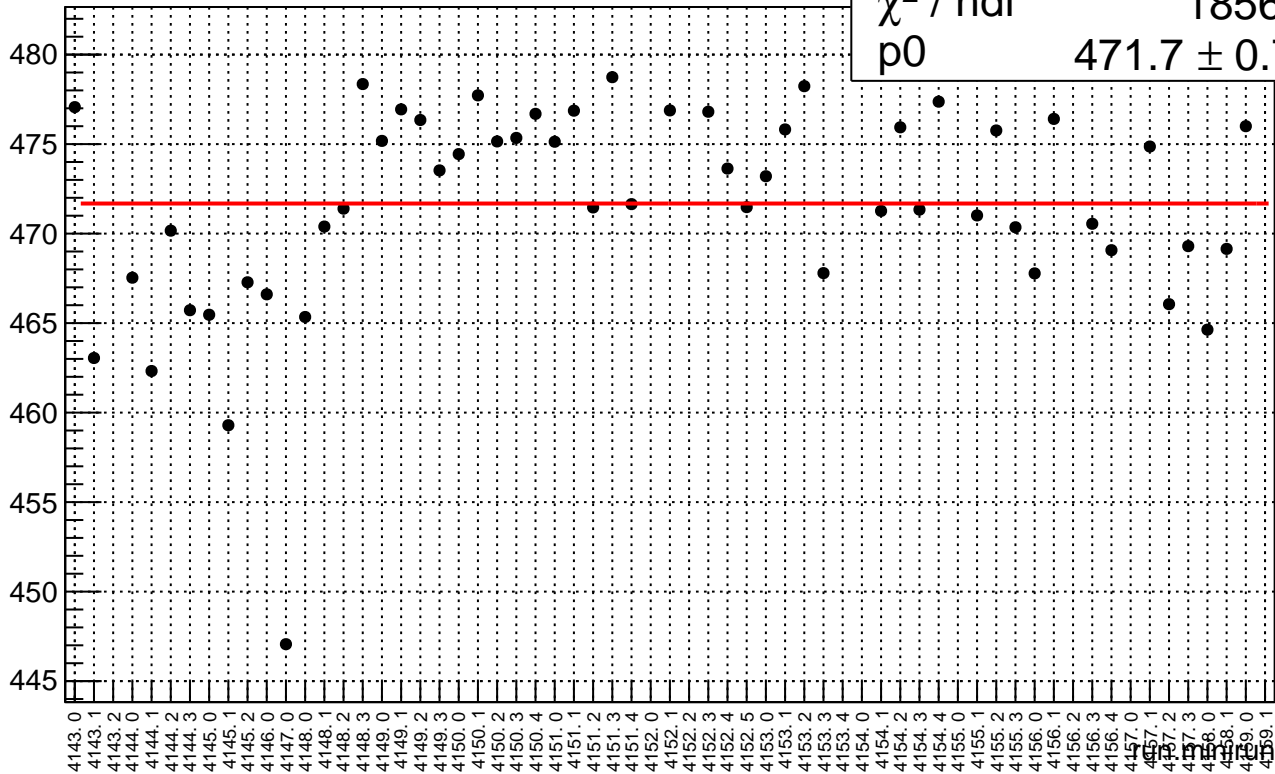
reg\_asym\_atl1\_mean/ppm



reg\_asym\_atl1\_rms/ppm

$\chi^2 / \text{ndf}$  1856 / 54  
p0  $471.7 \pm 0.7906$

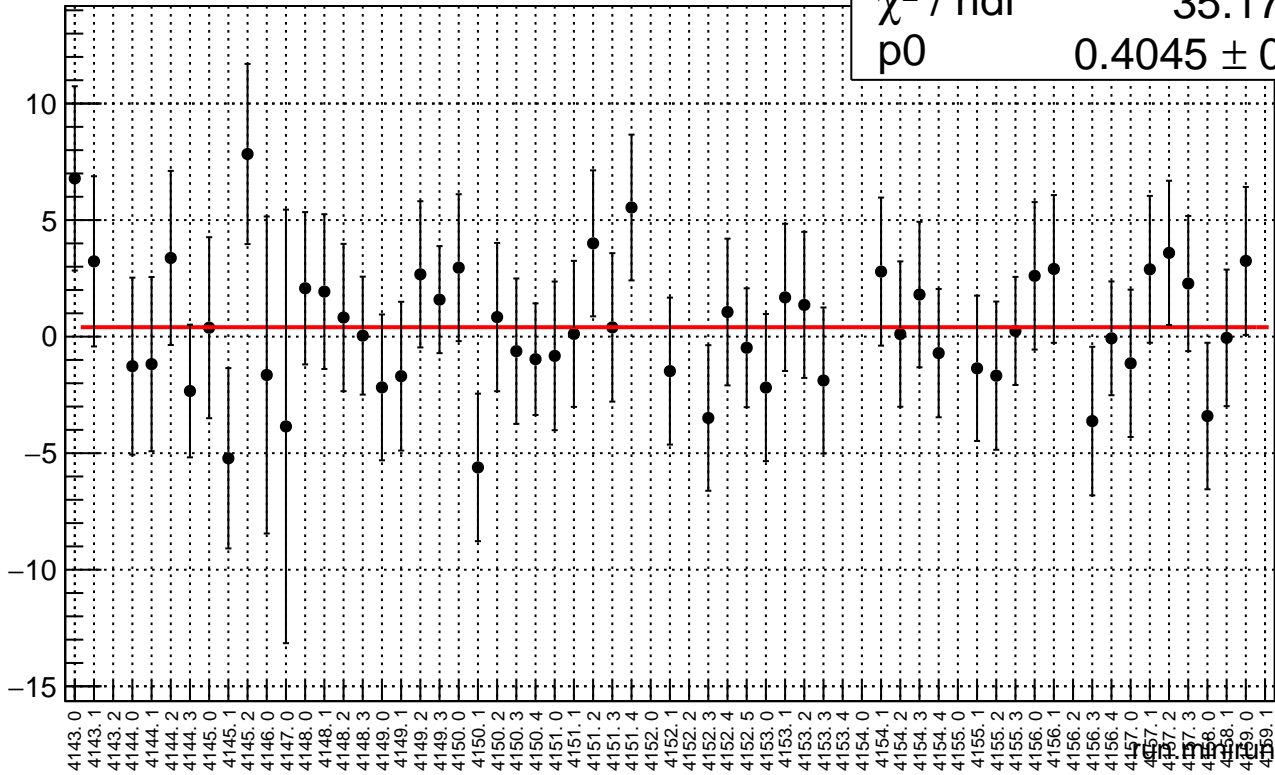
reg\_asym\_atl1\_rms/ppm



# reg\_asym\_atl2\_mean/ppm

$\chi^2 / \text{ndf}$  35.17 / 54  
p0  $0.4045 \pm 0.422$

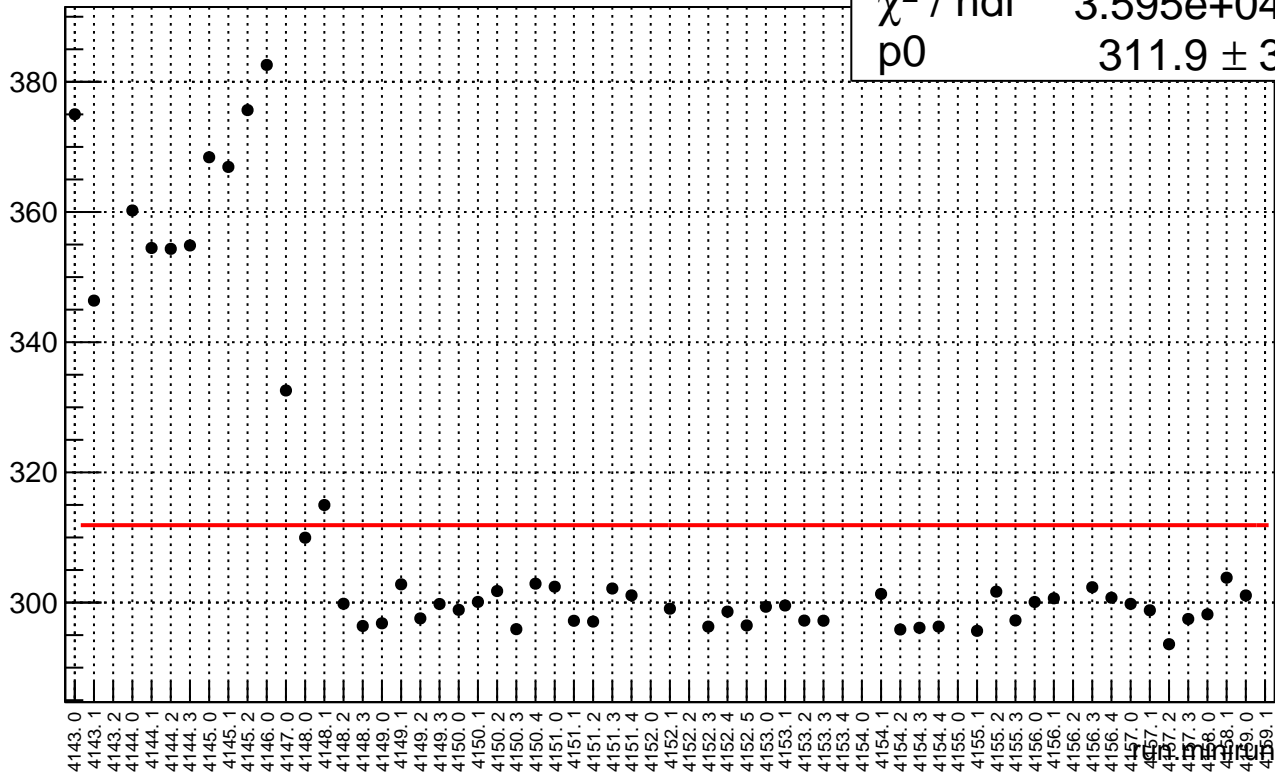
reg\_asym\_atl2\_mean/ppm



reg\_asym\_atl2\_rms/ppm

$\chi^2 / \text{ndf}$  3.595e+04 / 54  
p0 311.9  $\pm$  3.479

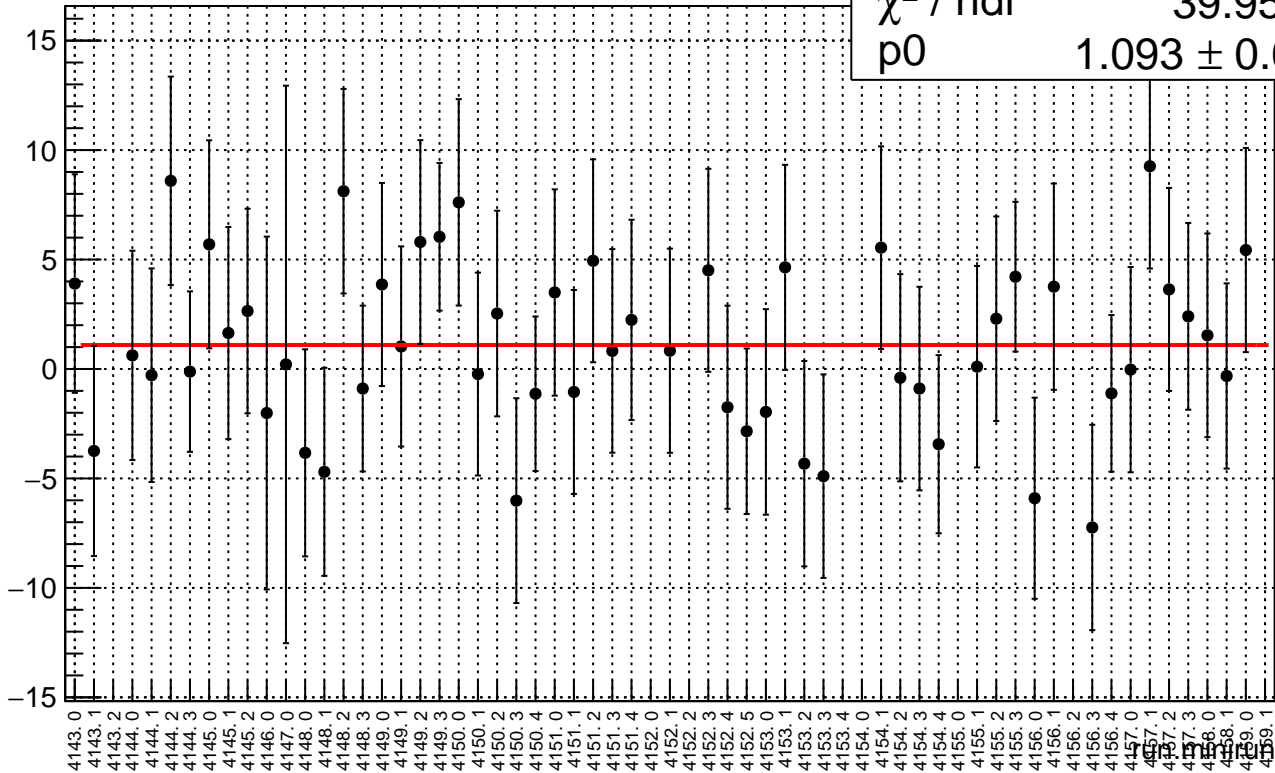
reg\_asym\_atl2\_rms/ppm



reg\_asym\_atr1\_mean/ppm

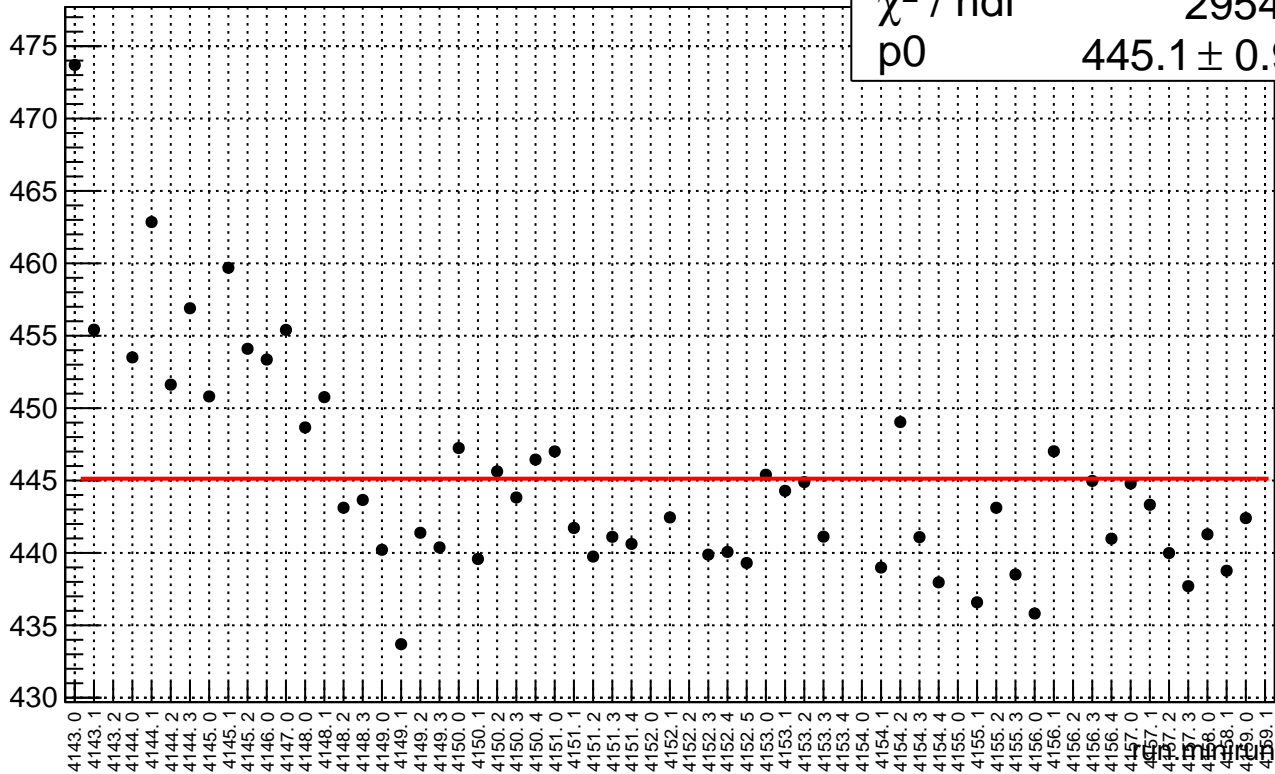
$\chi^2 / \text{ndf}$  39.95 / 54  
p0  $1.093 \pm 0.6092$

reg\_asym\_atr1\_mean/ppm



## reg\_asym\_atr1\_rms/ppm

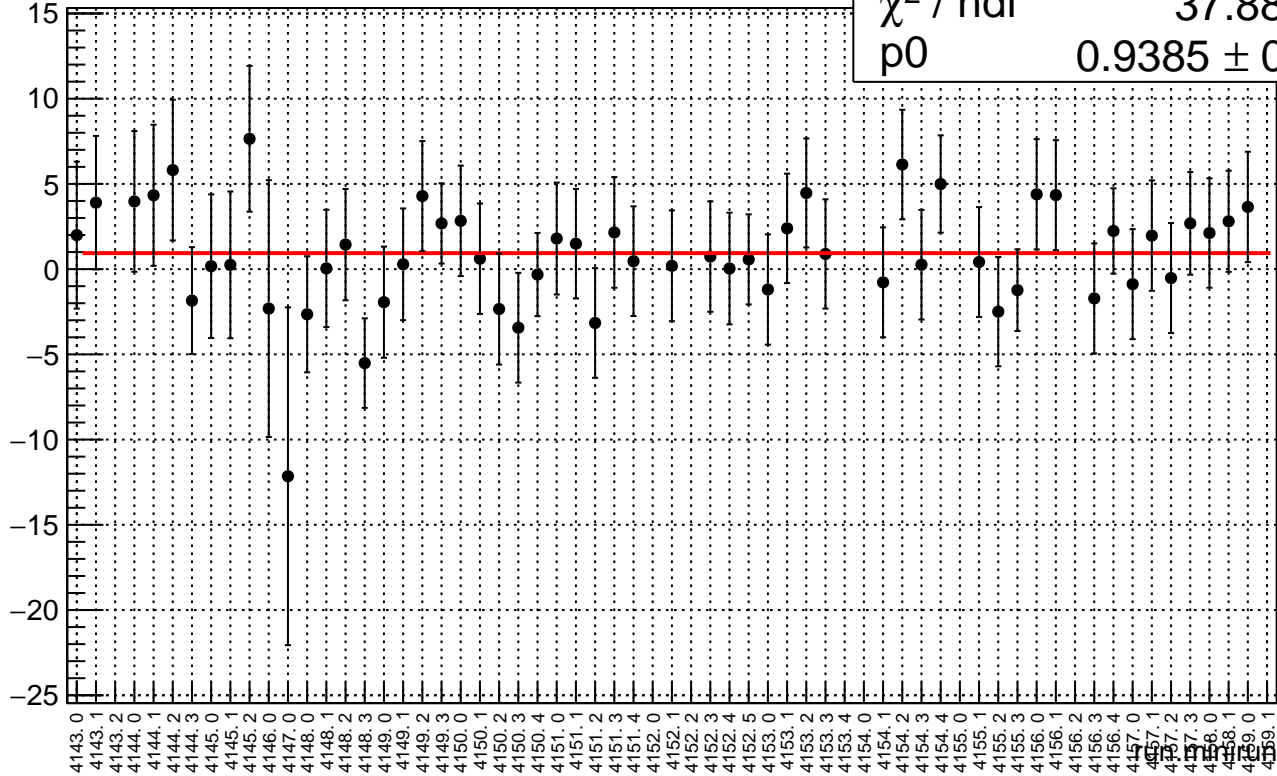
reg\_asym\_atr1\_rms/ppm

 $\chi^2 / \text{ndf}$   
p02954 / 54  
 $445.1 \pm 0.9973$

reg\_asym\_atr2\_mean/ppm

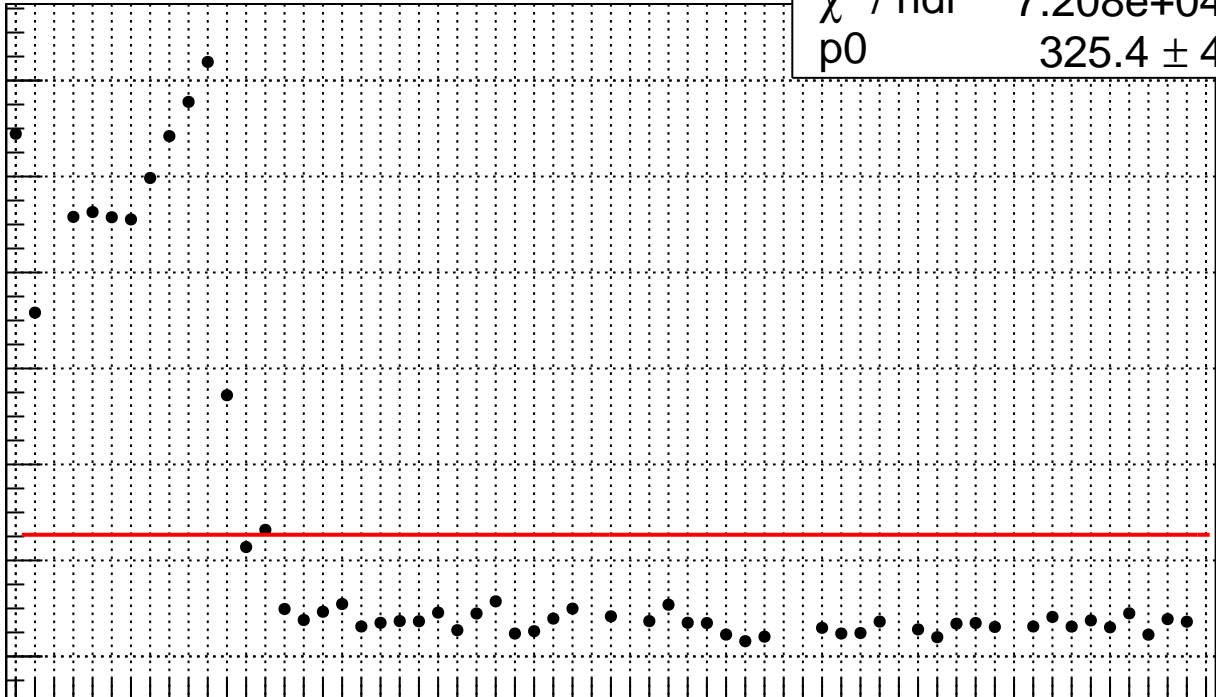
$\chi^2 / \text{ndf}$  37.88 / 54  
p0  $0.9385 \pm 0.437$

reg\_asym\_atr2\_mean/ppm



## reg\_asym\_atr2\_rms/ppm

reg\_asym\_atr2\_rms/ppm

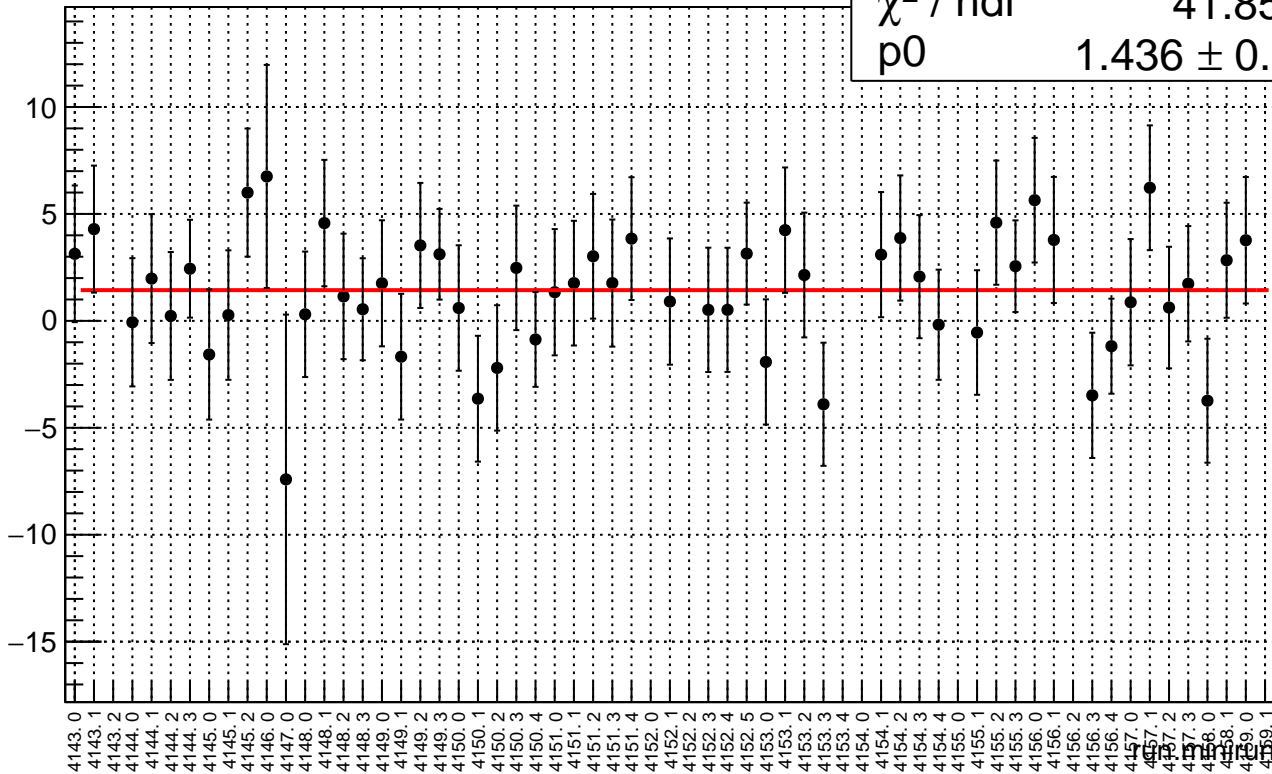
420  
400  
380  
360  
340  
320  
300 $\chi^2 / \text{ndf}$  7.208e+04 / 54  
p0 325.4  $\pm$  4.9264143.0  
4143.1  
4143.2  
4144.0  
4144.1  
4144.2  
4144.3  
4144.4  
4145.0  
4145.1  
4145.2  
4146.0  
4147.0  
4148.0  
4148.1  
4148.2  
4148.3  
4149.0  
4149.1  
4149.2  
4149.3  
4150.0  
4150.1  
4150.2  
4150.3  
4150.4  
4151.0  
4151.1  
4151.2  
4151.3  
4151.4  
4152.0  
4152.1  
4152.2  
4152.3  
4152.4  
4152.5  
4153.0  
4153.1  
4153.2  
4153.3  
4153.4  
4154.0  
4154.1  
4154.2  
4154.3  
4154.4  
4155.0  
4155.1  
4155.2  
4155.3  
4156.0  
4156.1  
4156.2  
4156.3  
4156.4  
4157.0  
4157.1  
4157.2  
4157.3  
4158.0  
4158.1  
4159.0  
4159.1



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

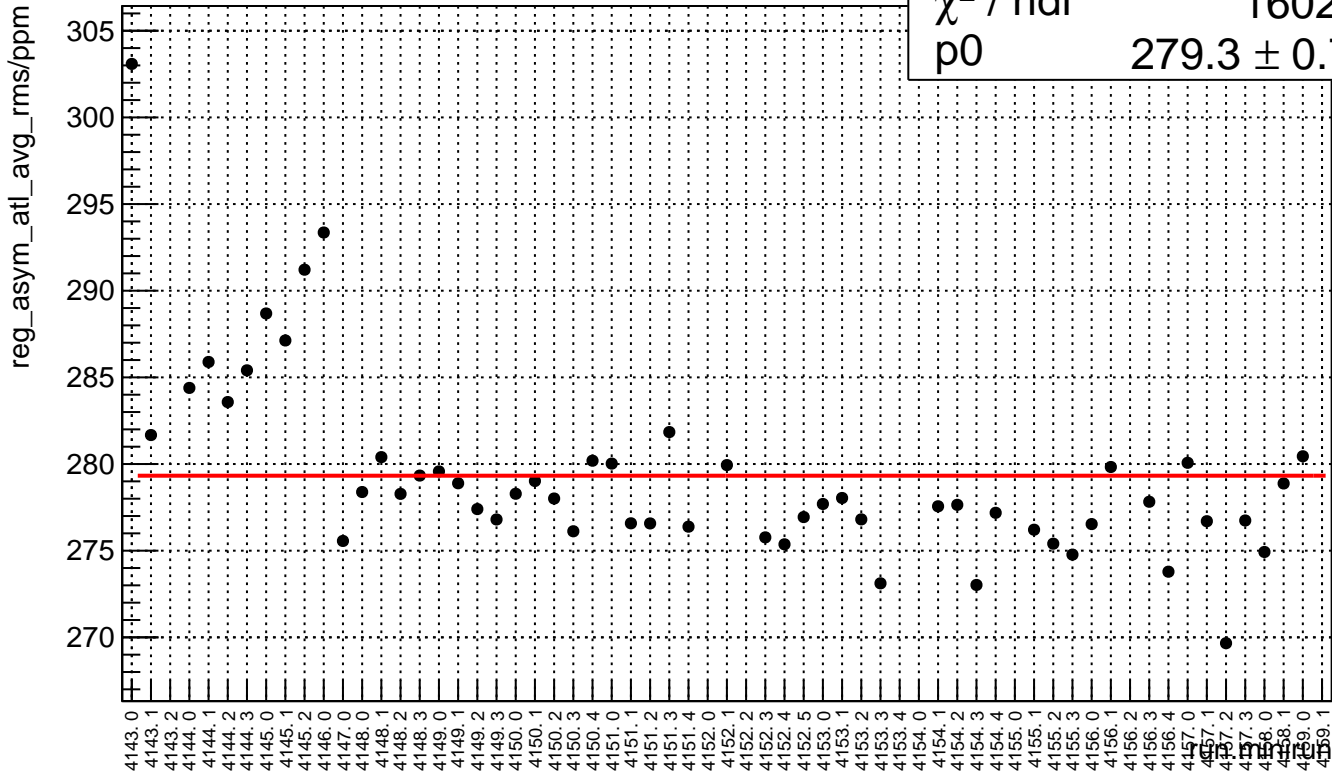
reg\_asym\_atl\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  41.85 / 54  
 p0  $1.436 \pm 0.3823$



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

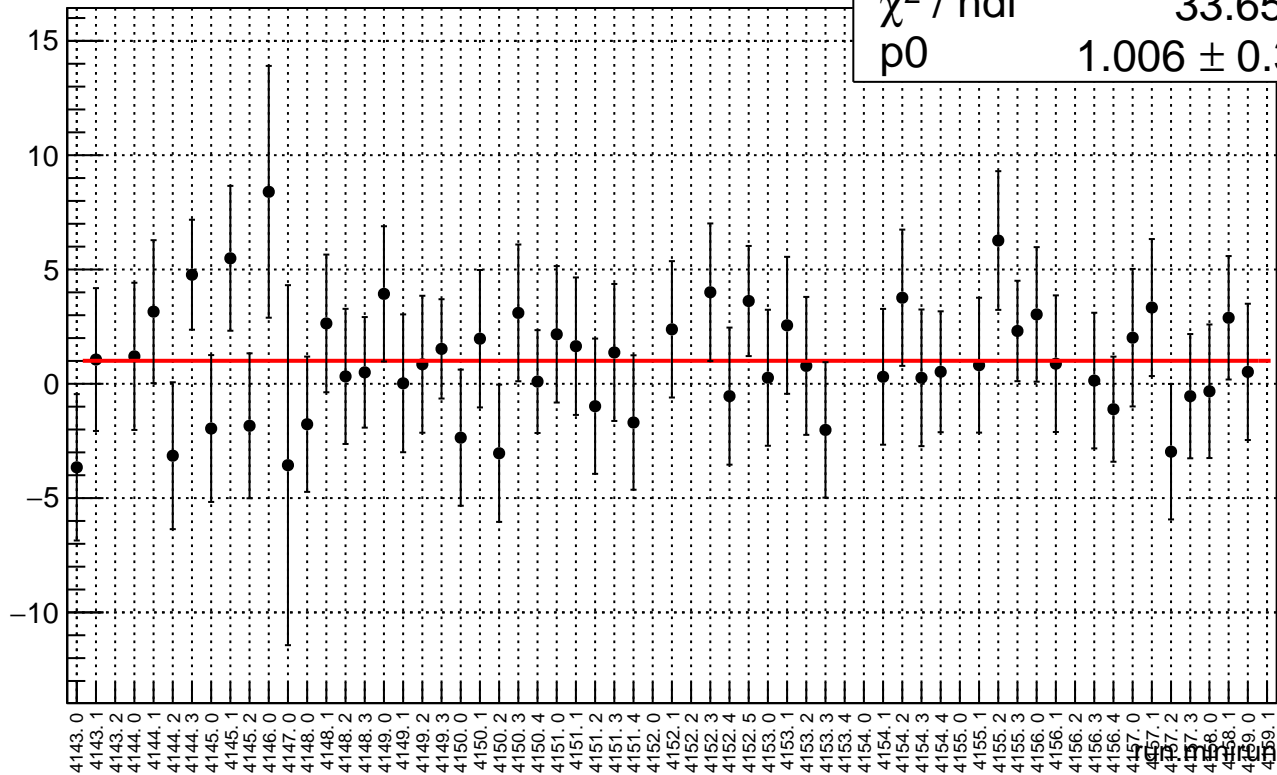
$\chi^2 / \text{ndf}$  1602 / 54  
 p0 279.3 ± 0.7344



reg\_asym\_atl\_dd\_mean/ppm

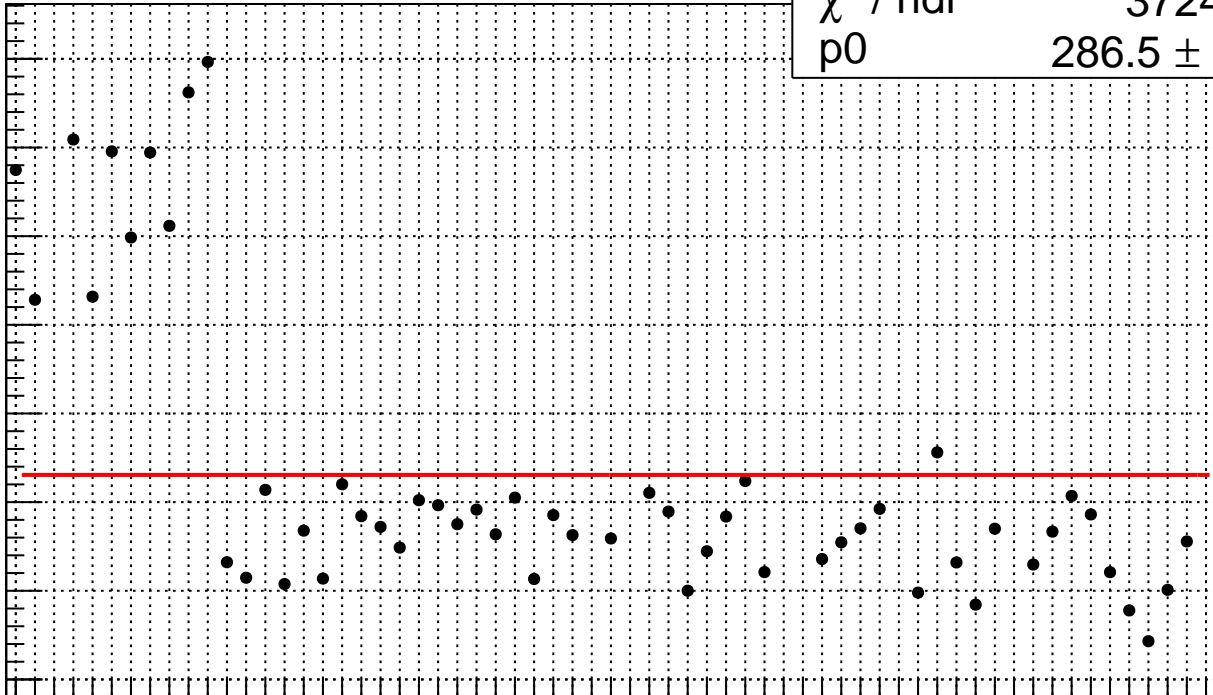
$\chi^2 / \text{ndf}$  33.65 / 54  
p0 1.006  $\pm$  0.3918

reg\_asym\_atl\_dd\_mean/ppm



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

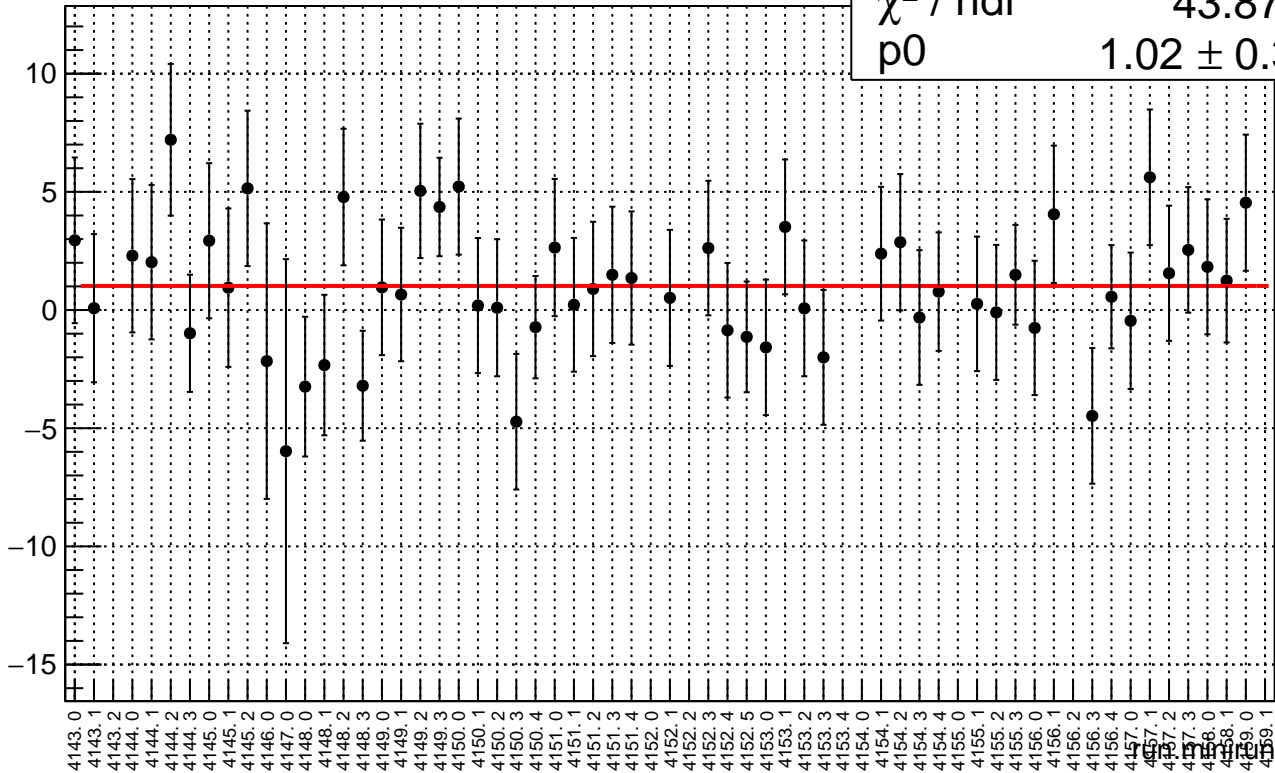
reg\_asym\_atl\_dd\_rms/ppm

310  
305  
300  
295  
290  
285  
280  
275 $\chi^2 / \text{ndf}$   
p0  
3724 / 54  
 $286.5 \pm 1.12$ 4143.0  
4143.1  
4143.2  
4144.0  
4144.1  
4144.2  
4144.3  
4145.0  
4145.1  
4145.2  
4146.0  
4147.0  
4148.0  
4148.1  
4148.2  
4148.3  
4149.0  
4149.1  
4149.2  
4149.3  
4150.0  
4150.1  
4150.2  
4150.3  
4150.4  
4151.0  
4151.1  
4151.2  
4151.3  
4151.4  
4152.0  
4152.1  
4152.2  
4152.3  
4152.4  
4152.5  
4153.0  
4153.1  
4153.2  
4153.3  
4153.4  
4154.0  
4154.1  
4154.2  
4154.3  
4154.4  
4155.0  
4155.1  
4155.2  
4155.3  
4156.0  
4156.1  
4156.2  
4156.3  
4156.4  
4157.0  
4157.1  
4157.2  
4157.3  
4158.0  
4158.1  
4159.0  
4159.1

reg\_asym\_atr\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  43.87 / 54  
p0  $1.02 \pm 0.3807$

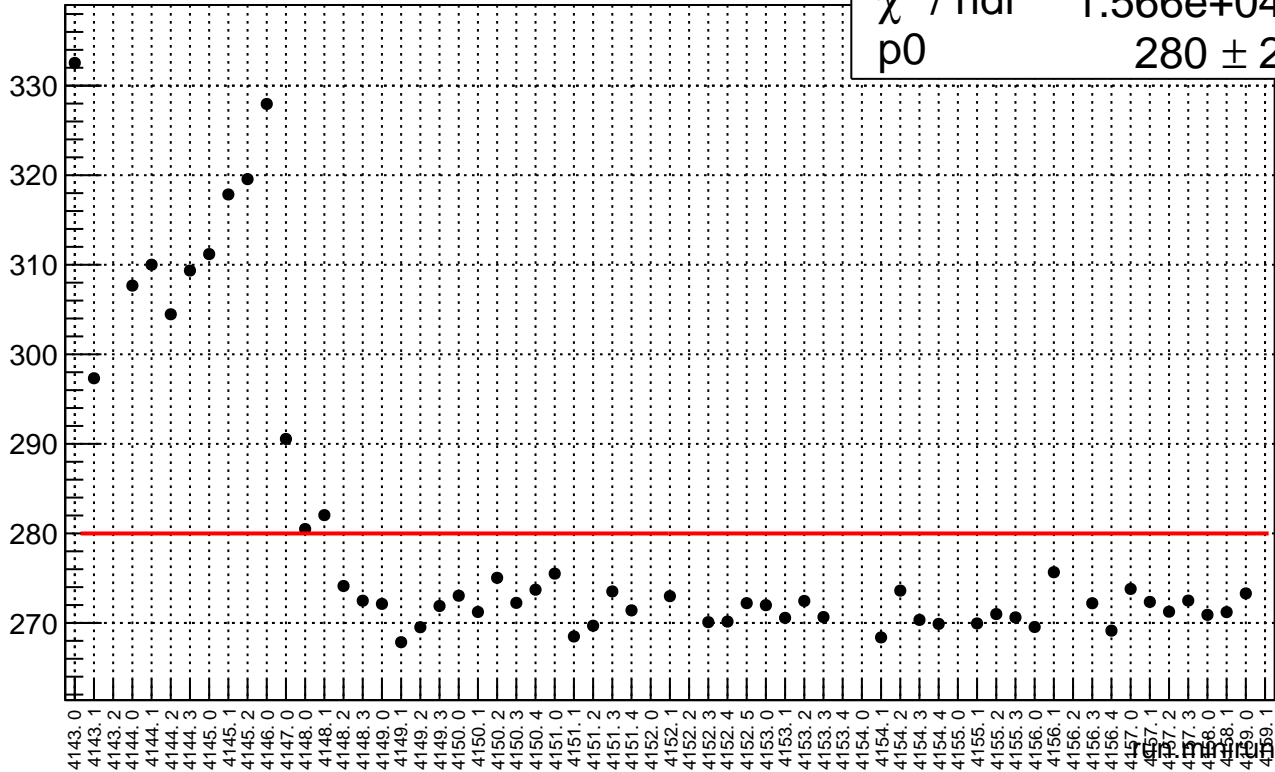
reg\_asym\_atr\_avg\_mean/ppm



reg\_asym\_atr\_avg\_rms/ppm

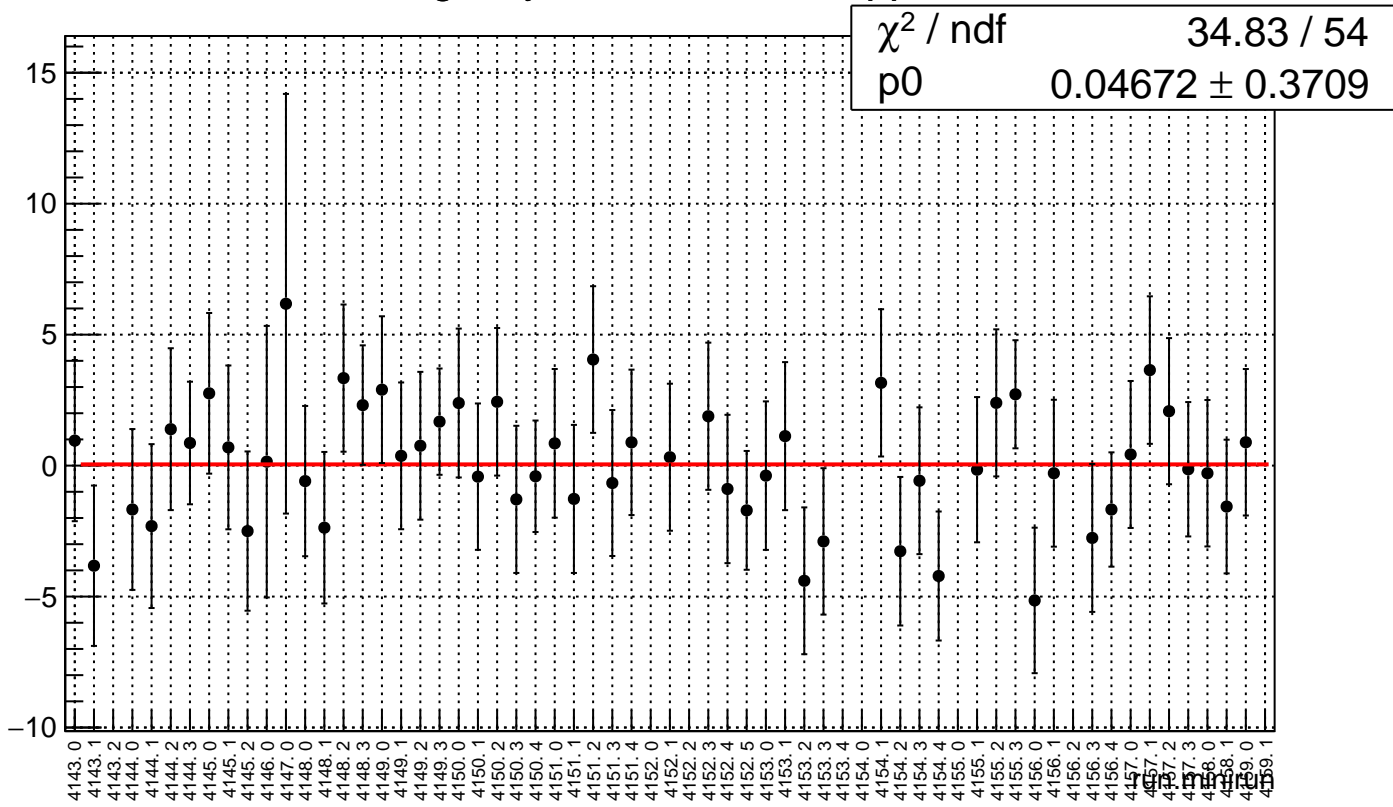
$\chi^2 / \text{ndf}$  1.566e+04 / 54  
p0 280  $\pm$  2.296

reg\_asym\_atr\_avg\_rms/ppm



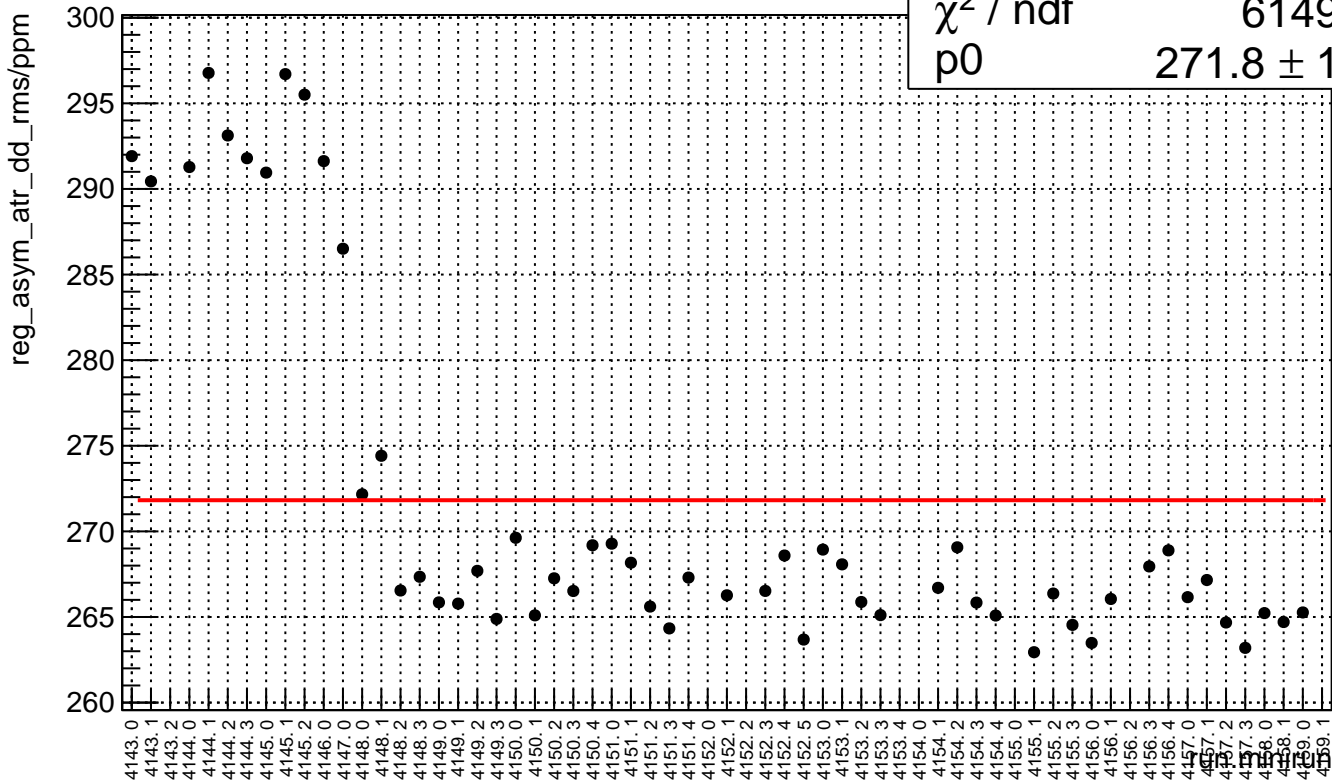
## reg\_asym\_atr\_dd\_mean/ppm

reg\_asym\_atr\_dd\_mean/ppm



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

$\chi^2 / \text{ndf}$  6149 / 54  
 p0  $271.8 \pm 1.439$

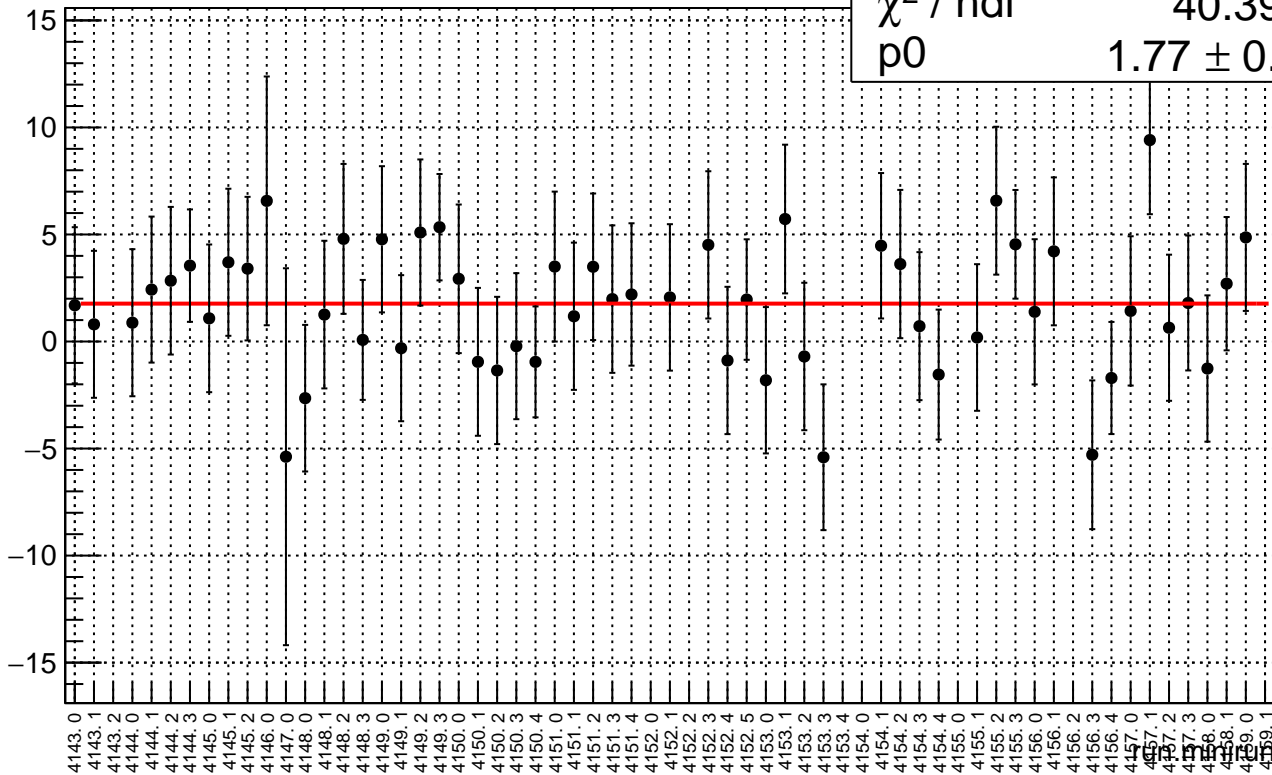




# reg\_asym\_at1\_avg\_mean/ppm

reg\_asym\_at1\_avg\_mean/ppm

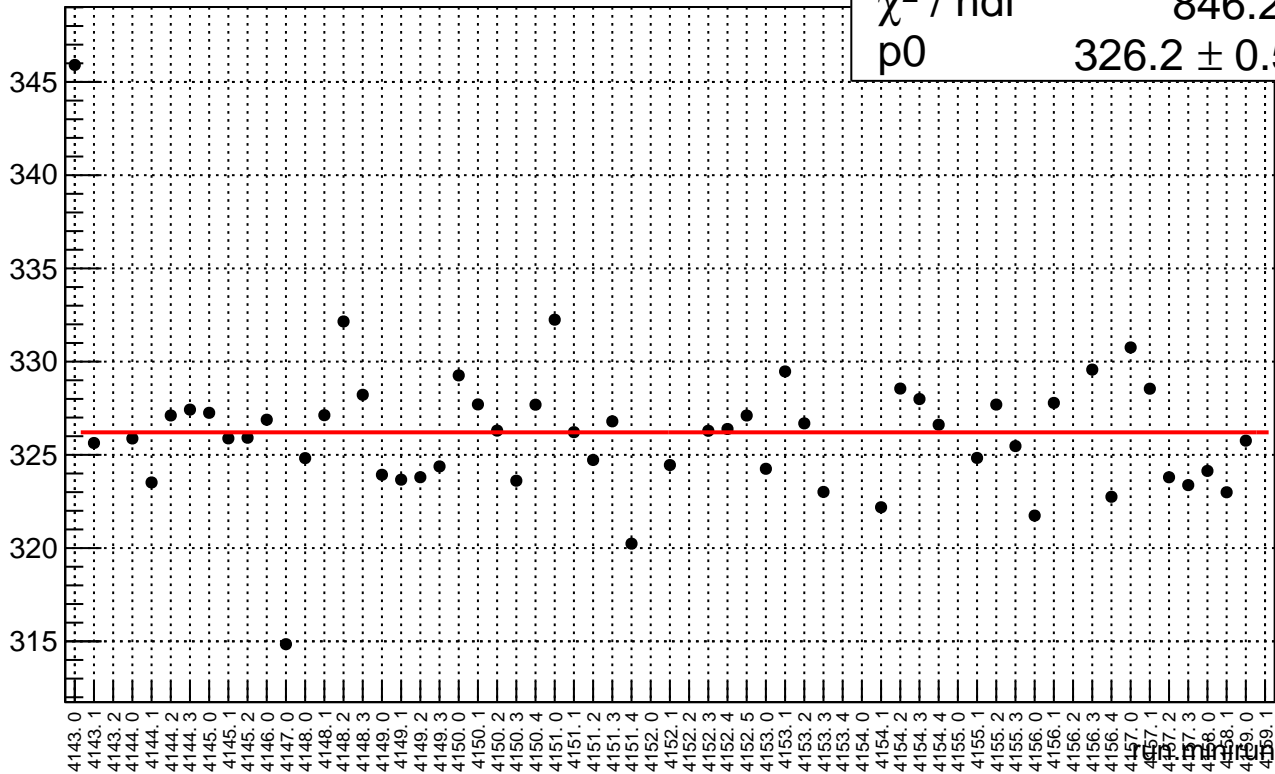
$\chi^2 / \text{ndf}$  40.39 / 54  
 p0  $1.77 \pm 0.4471$



reg\_asym\_at1\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  846.2 / 54  
p0 326.2  $\pm$  0.5338

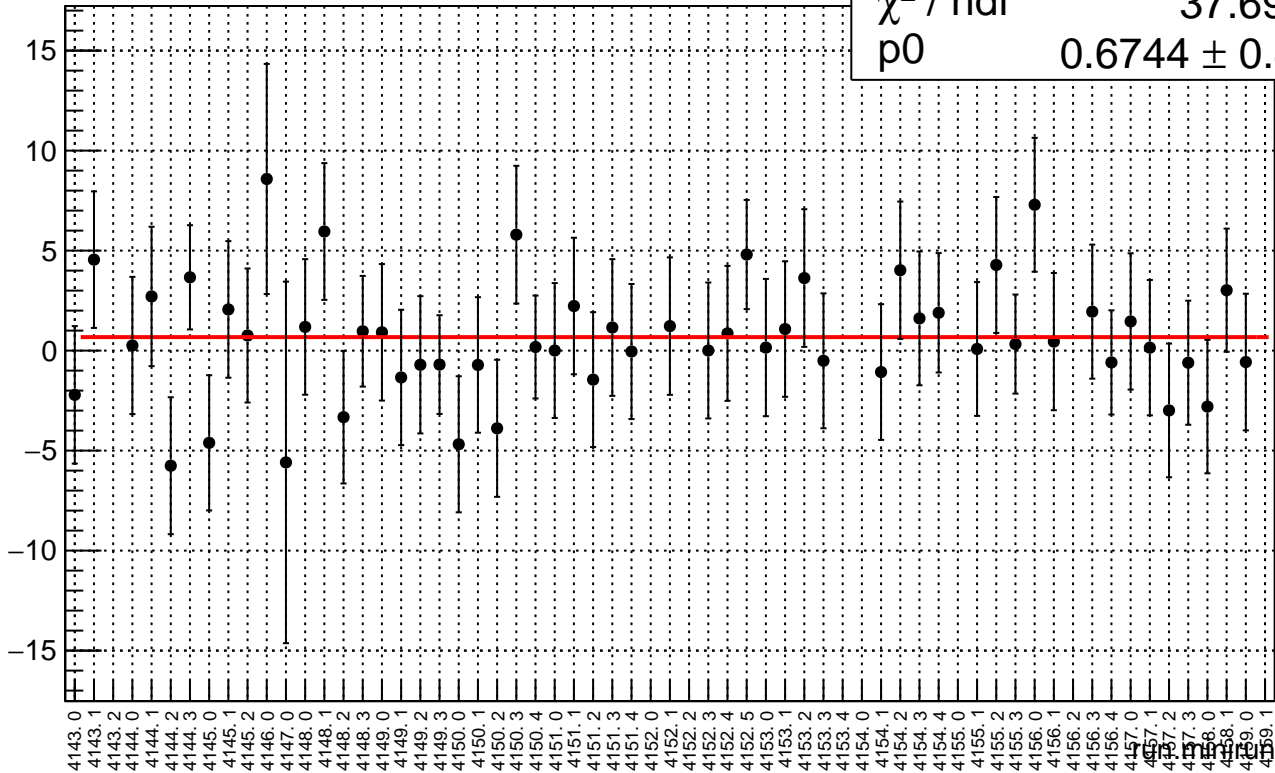
reg\_asym\_at1\_avg\_rms/ppm



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

$\chi^2 / \text{ndf}$  37.69 / 54  
 p0  $0.6744 \pm 0.4416$

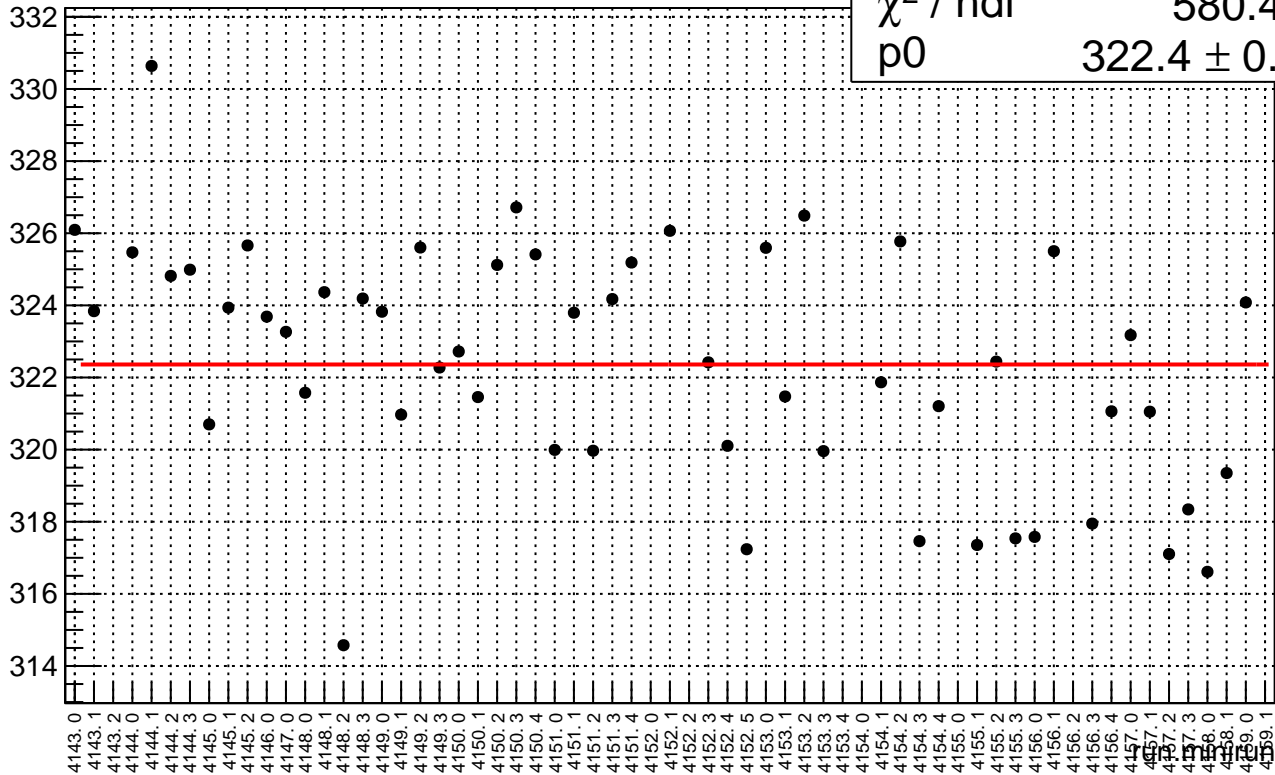
reg\_asym\_at1\_dd\_mean/ppm



reg\_asym\_at1\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  580.4 / 54  
p0  $322.4 \pm 0.4421$

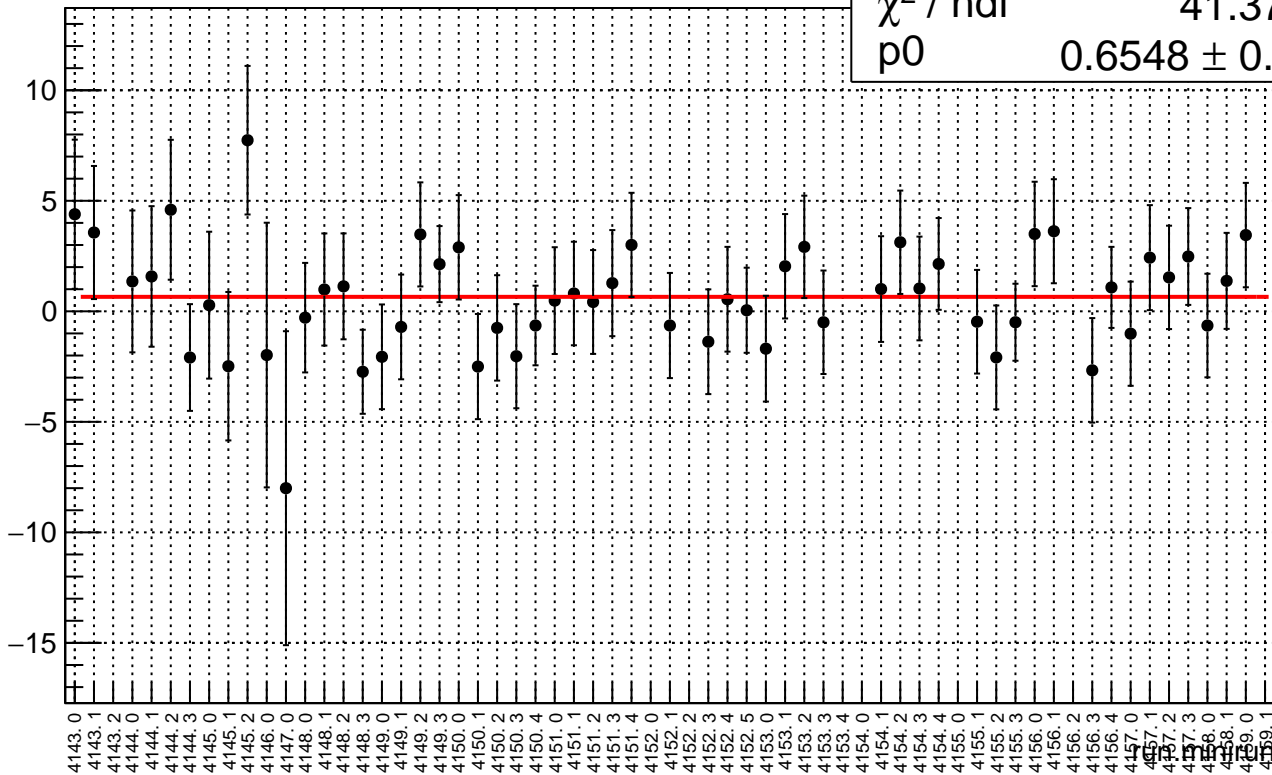
reg\_asym\_at1\_dd\_rms/ppm



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

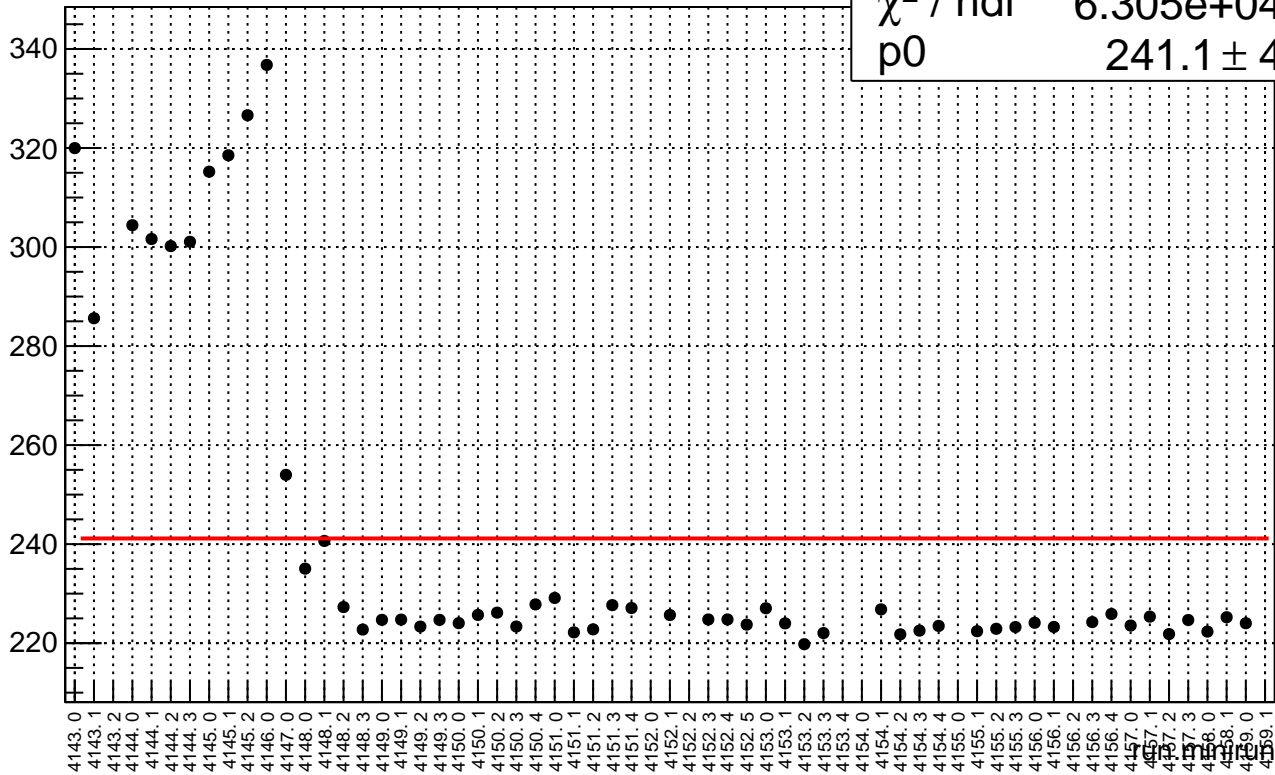
reg\_asym\_at2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  41.37 / 54  
 p0  $0.6548 \pm 0.3214$



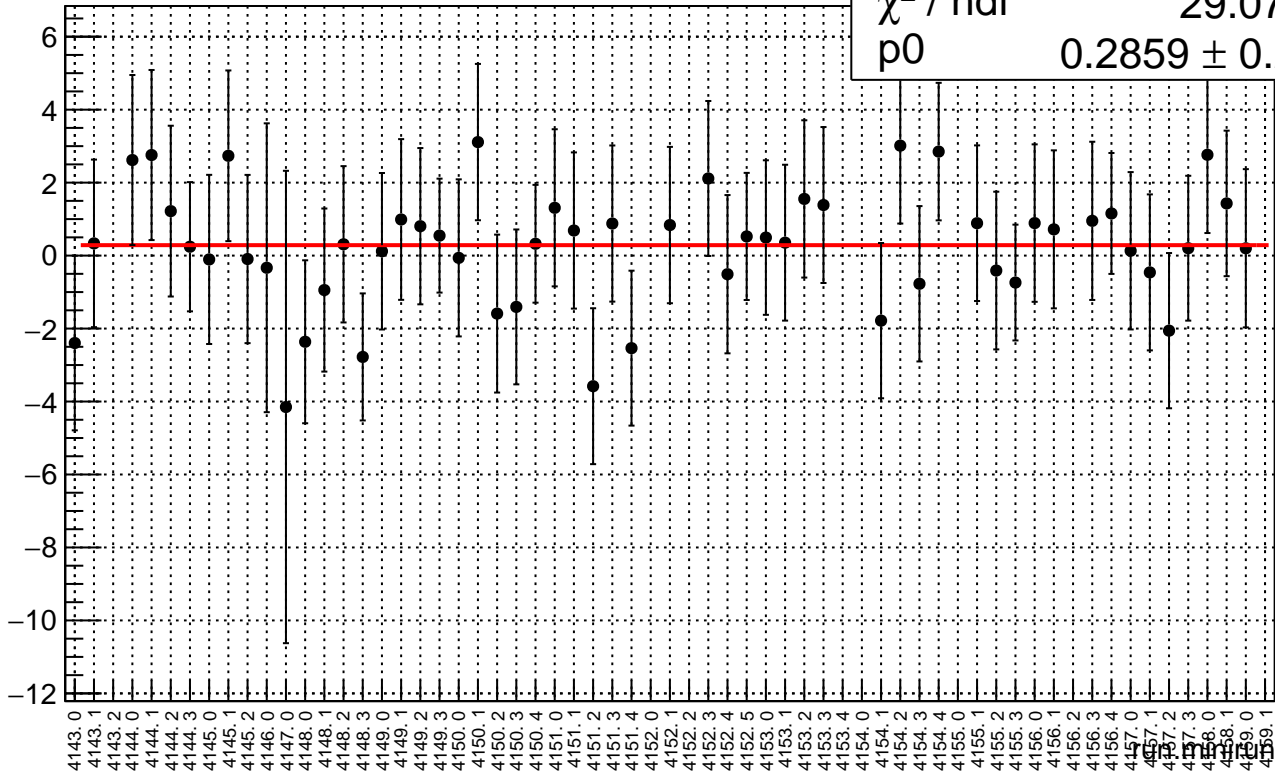
## reg\_asym\_at2\_avg\_rms/ppm

reg\_asym\_at2\_avg\_rms/ppm



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

reg\_asym\_at2\_dd\_mean/ppm

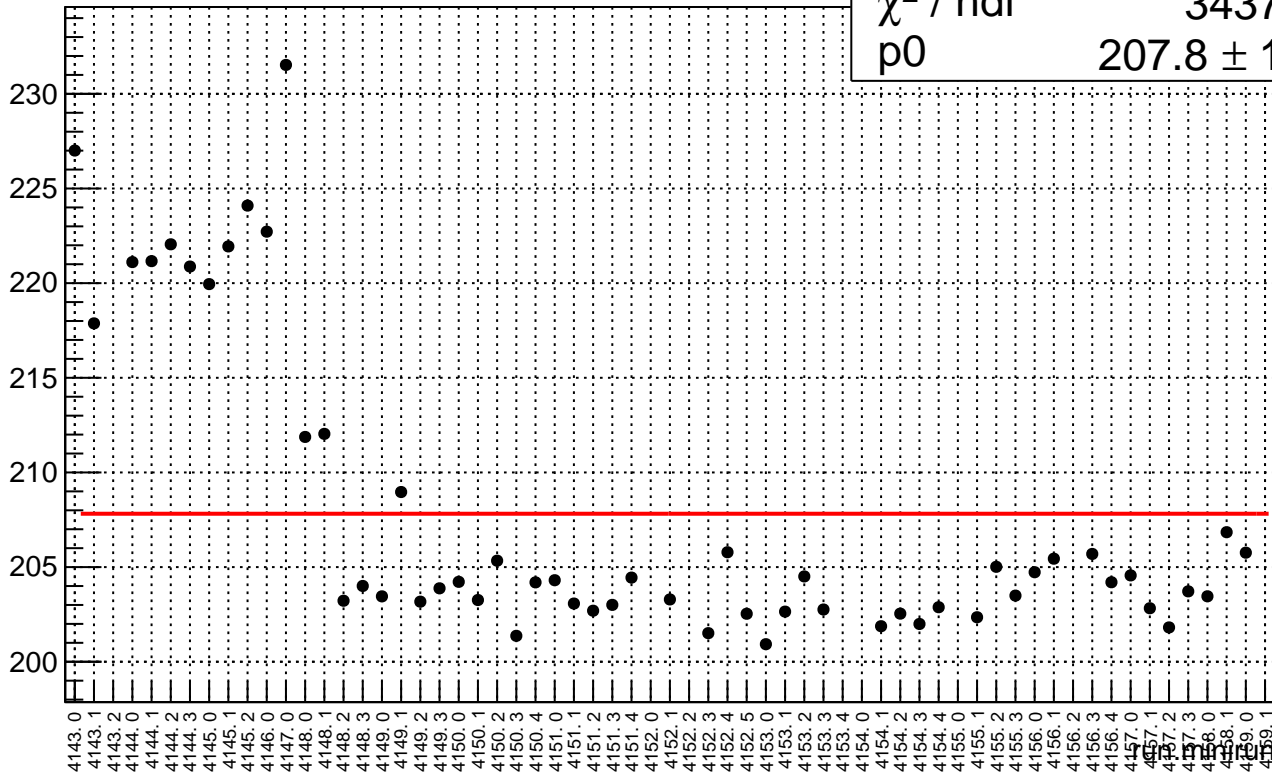


$\chi^2 / \text{ndf}$  29.07 / 54  
 $p_0$   $0.2859 \pm 0.2834$

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

 $\chi^2 / \text{ndf}$   
p03437 / 54  
 $207.8 \pm 1.076$ 

reg\_asym\_at2\_dd\_rms/ppm

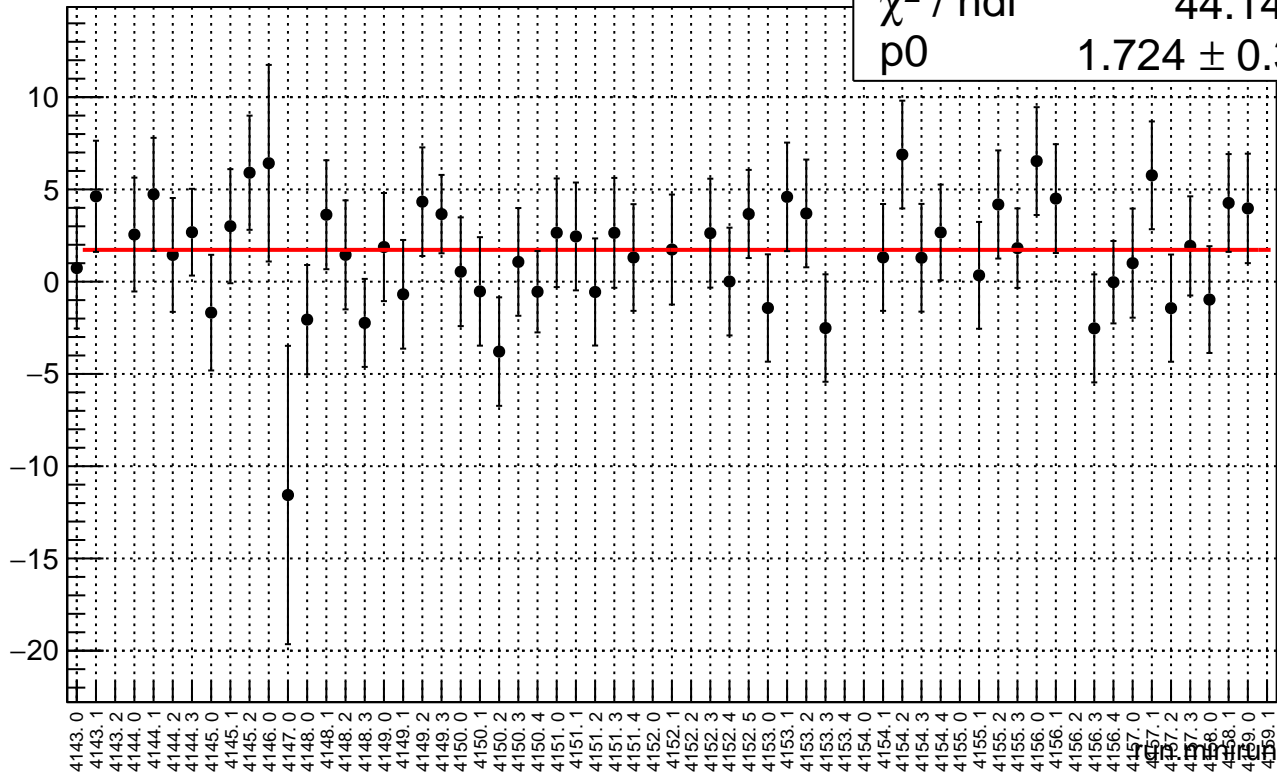




reg\_asym\_atl1r2\_avg\_mean/ppm

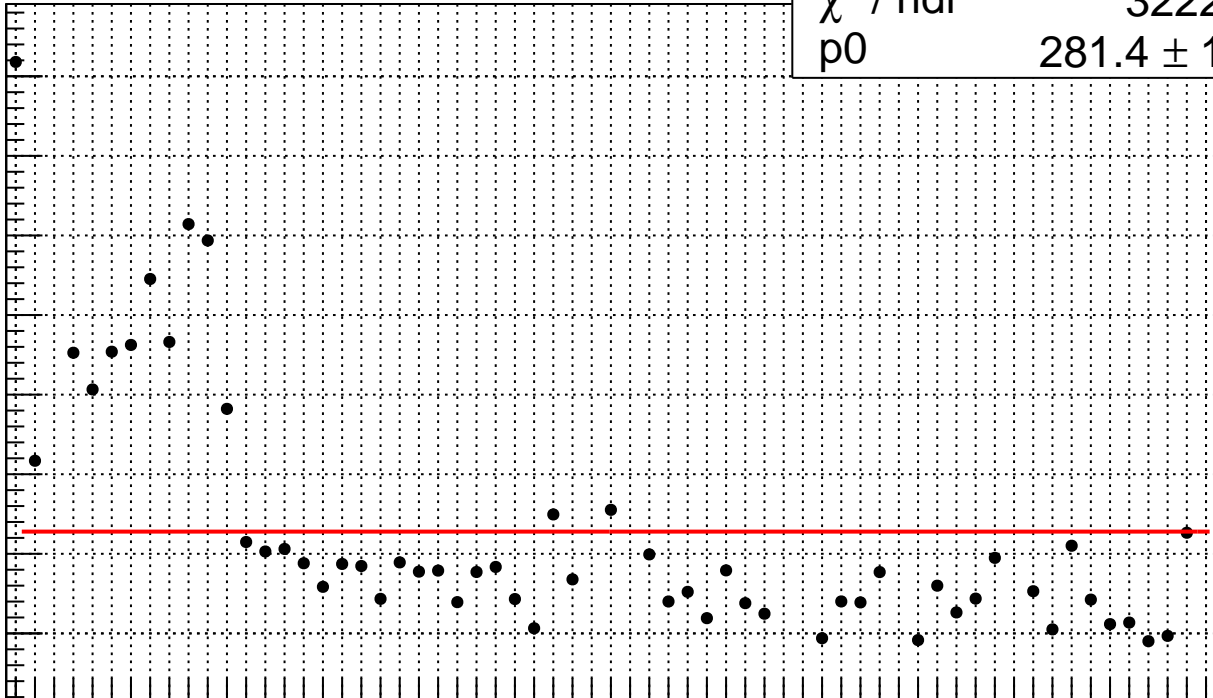
$\chi^2 / \text{ndf}$  44.14 / 54  
p0  $1.724 \pm 0.3846$

reg\_asym\_atl1r2\_avg\_mean/ppm



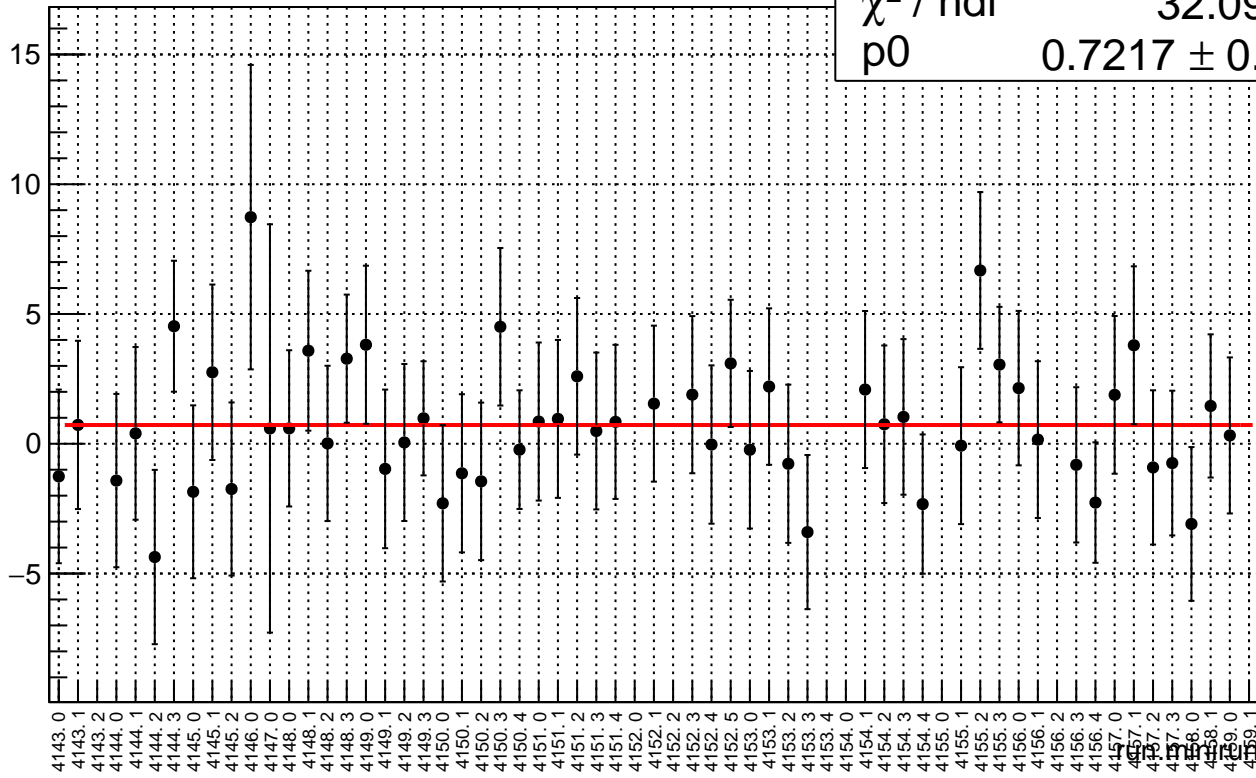
## reg\_asym\_atl1r2\_avg\_rms/ppm

reg\_asym\_atl1r2\_avg\_rms/ppm

310  
305  
300  
295  
290  
285  
280  
275 $\chi^2 / \text{ndf}$   
p03222 / 54  
 $281.4 \pm 1.042$ 4143.0  
4143.1  
4143.2  
4144.0  
4144.1  
4144.2  
4144.3  
4145.0  
4145.1  
4145.2  
4146.0  
4147.0  
4148.0  
4148.1  
4148.2  
4148.3  
4149.0  
4149.1  
4149.2  
4149.3  
4150.0  
4150.1  
4150.2  
4150.3  
4150.4  
4151.0  
4151.1  
4151.2  
4151.3  
4151.4  
4152.0  
4152.1  
4152.2  
4152.3  
4152.4  
4152.5  
4153.0  
4153.1  
4153.2  
4153.3  
4153.4  
4154.0  
4154.1  
4154.2  
4154.3  
4154.4  
4155.0  
4155.1  
4155.2  
4155.3  
4156.0  
4156.1  
4156.2  
4156.3  
4156.4  
4157.0  
4157.1  
4157.2  
4157.3  
4158.0  
4158.1  
4159.0  
4159.1

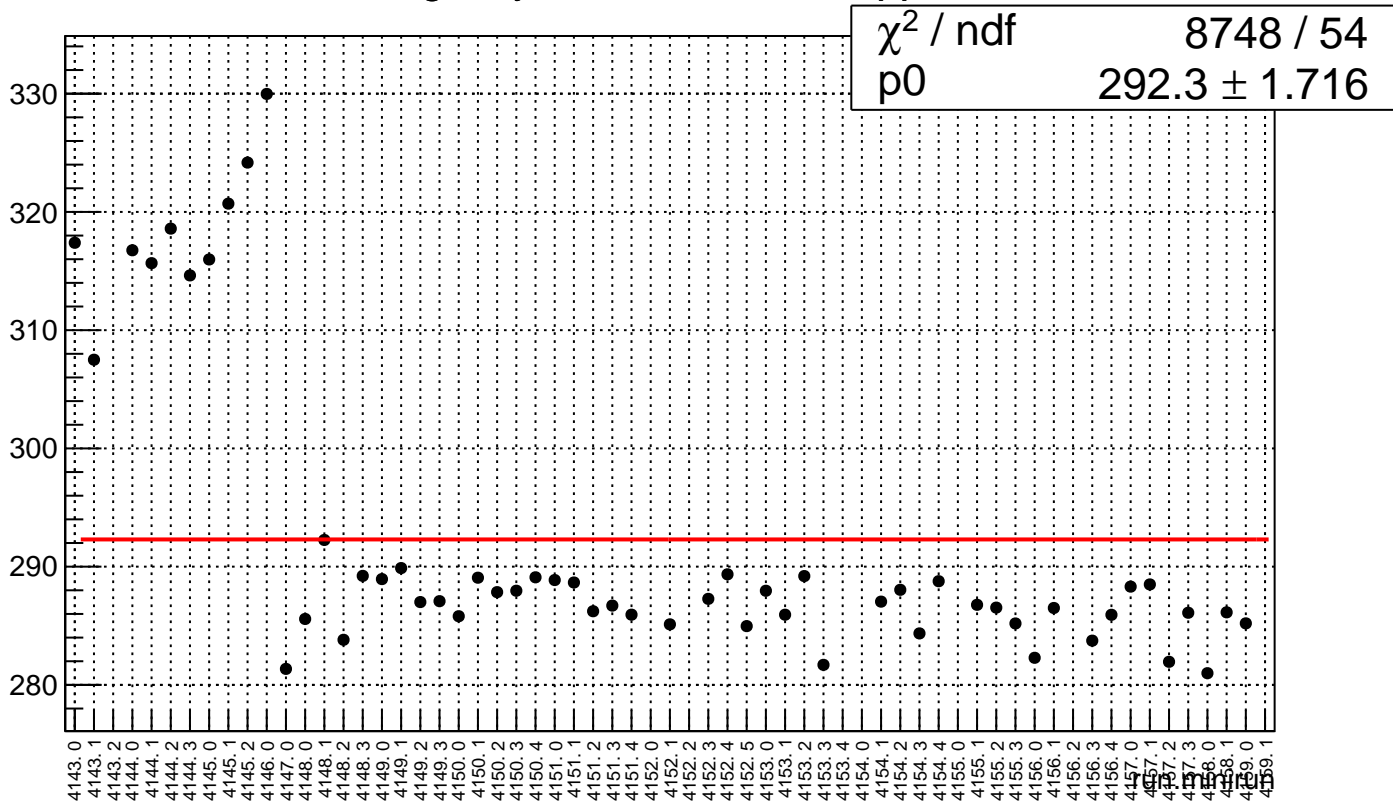
## reg\_asym\_atl1r2\_dd\_mean/ppm

reg\_asym\_atl1r2\_dd\_mean/ppm

 $\chi^2 / \text{ndf}$  32.09 / 54  
p0  $0.7217 \pm 0.3991$ 

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

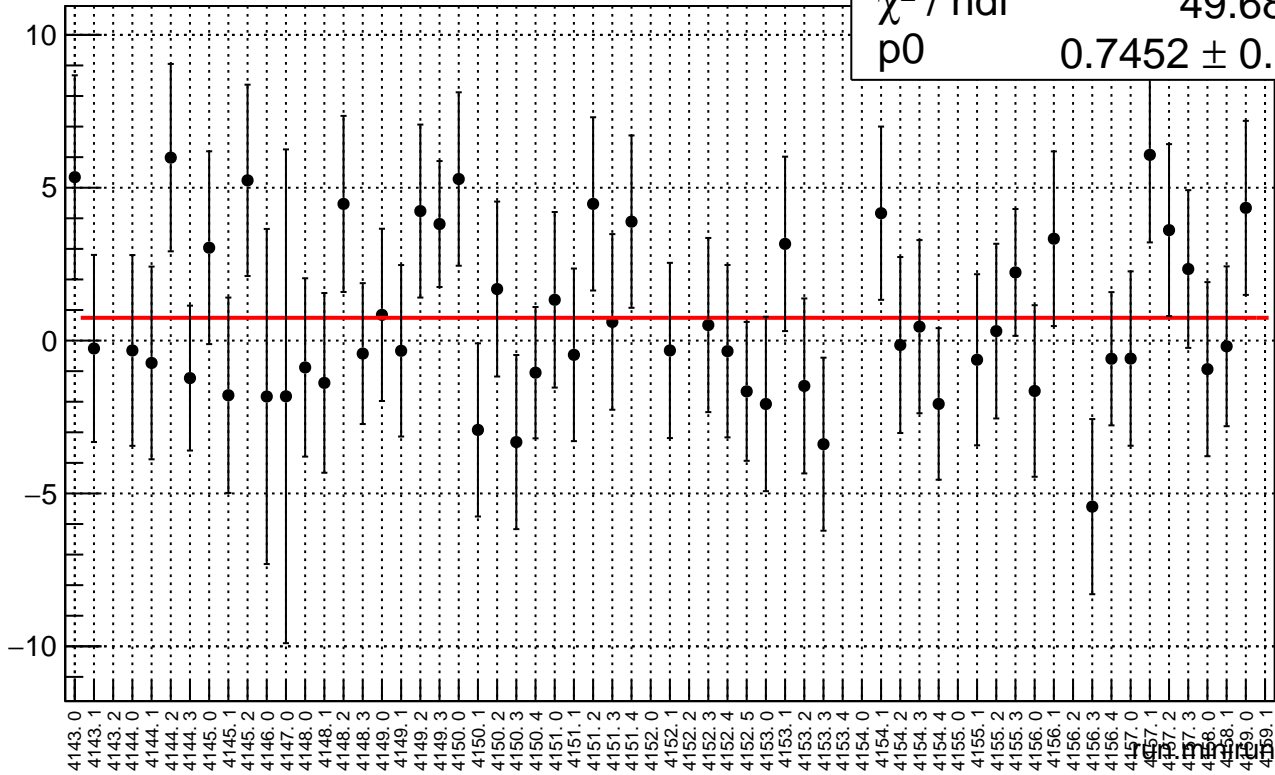
reg\_asym\_atl1r2\_dd\_rms/ppm



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

$\chi^2 / \text{ndf}$  49.68 / 54  
 p0  $0.7452 \pm 0.3756$

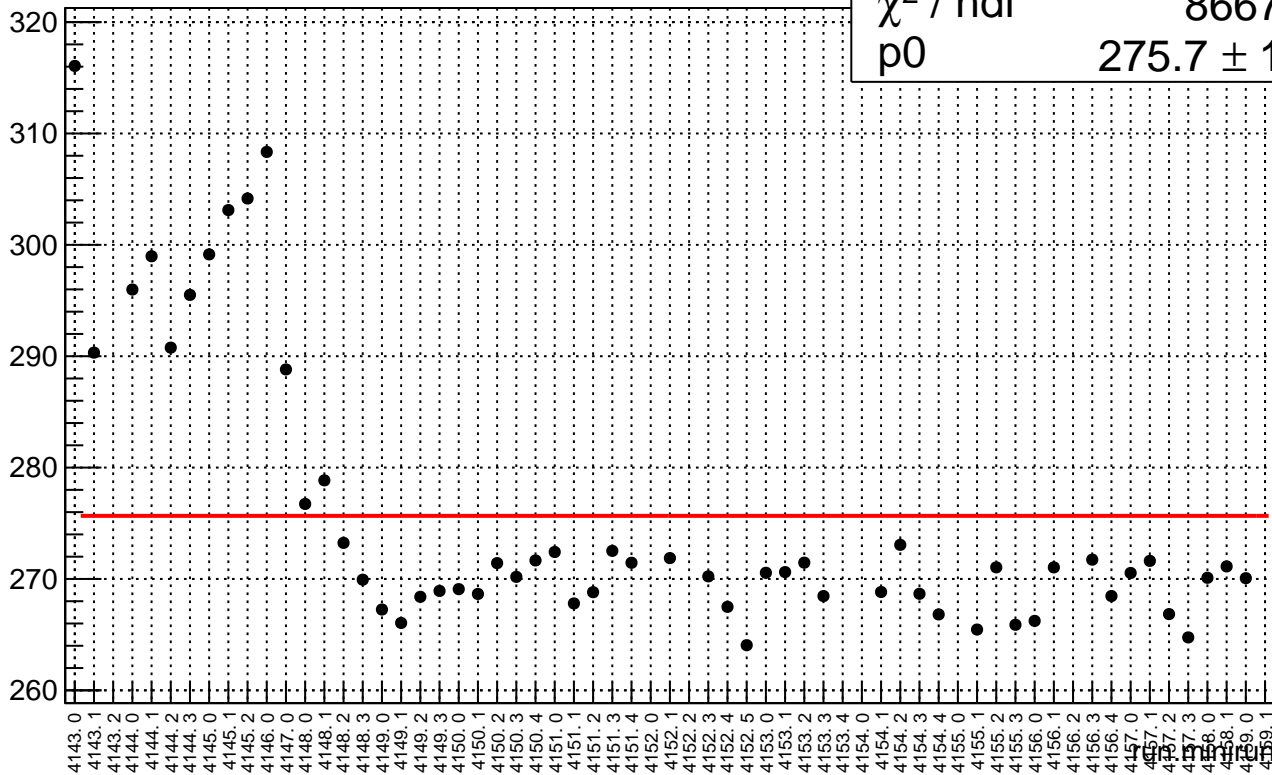
reg\_asym\_atr1l2\_avg\_mean/ppm



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

reg\_asym\_atr1l2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  8667 / 54  
 p0  $275.7 \pm 1.708$



reg\_asym\_atr1l2\_dd\_mean/ppm

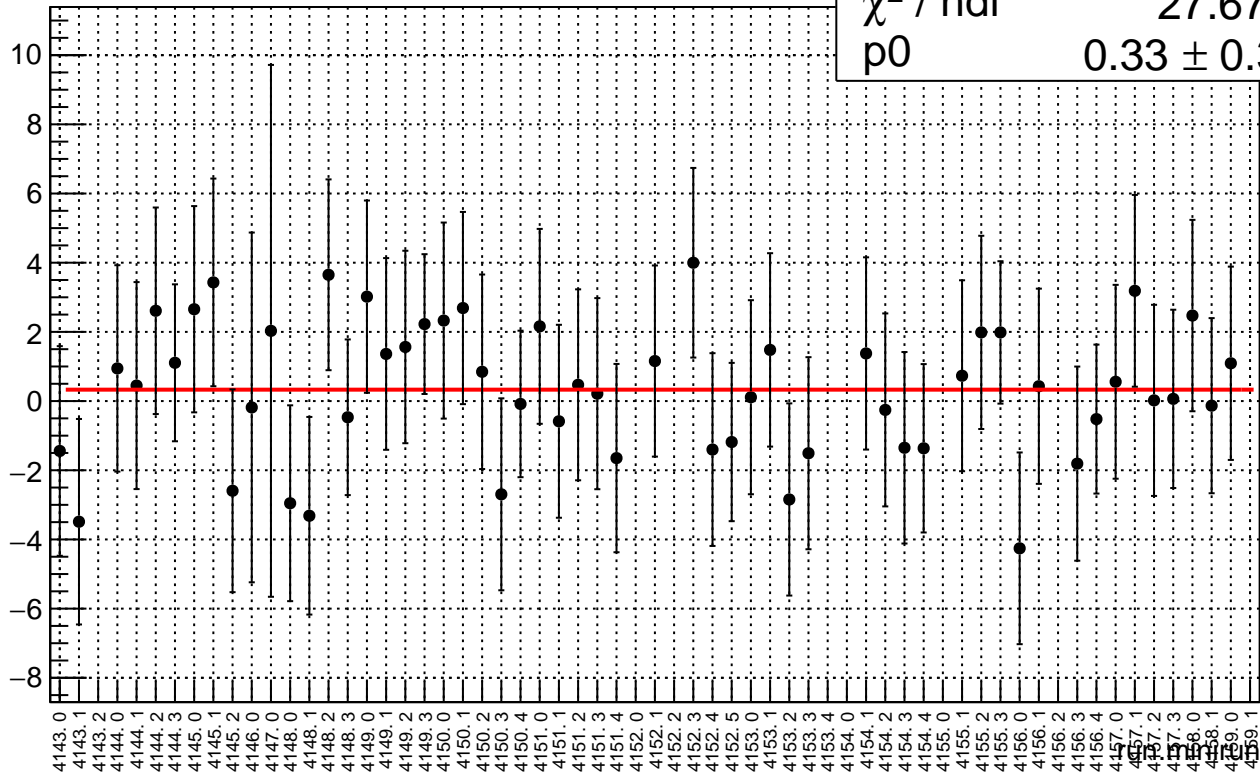
$\chi^2 / \text{ndf}$

27.67 / 54

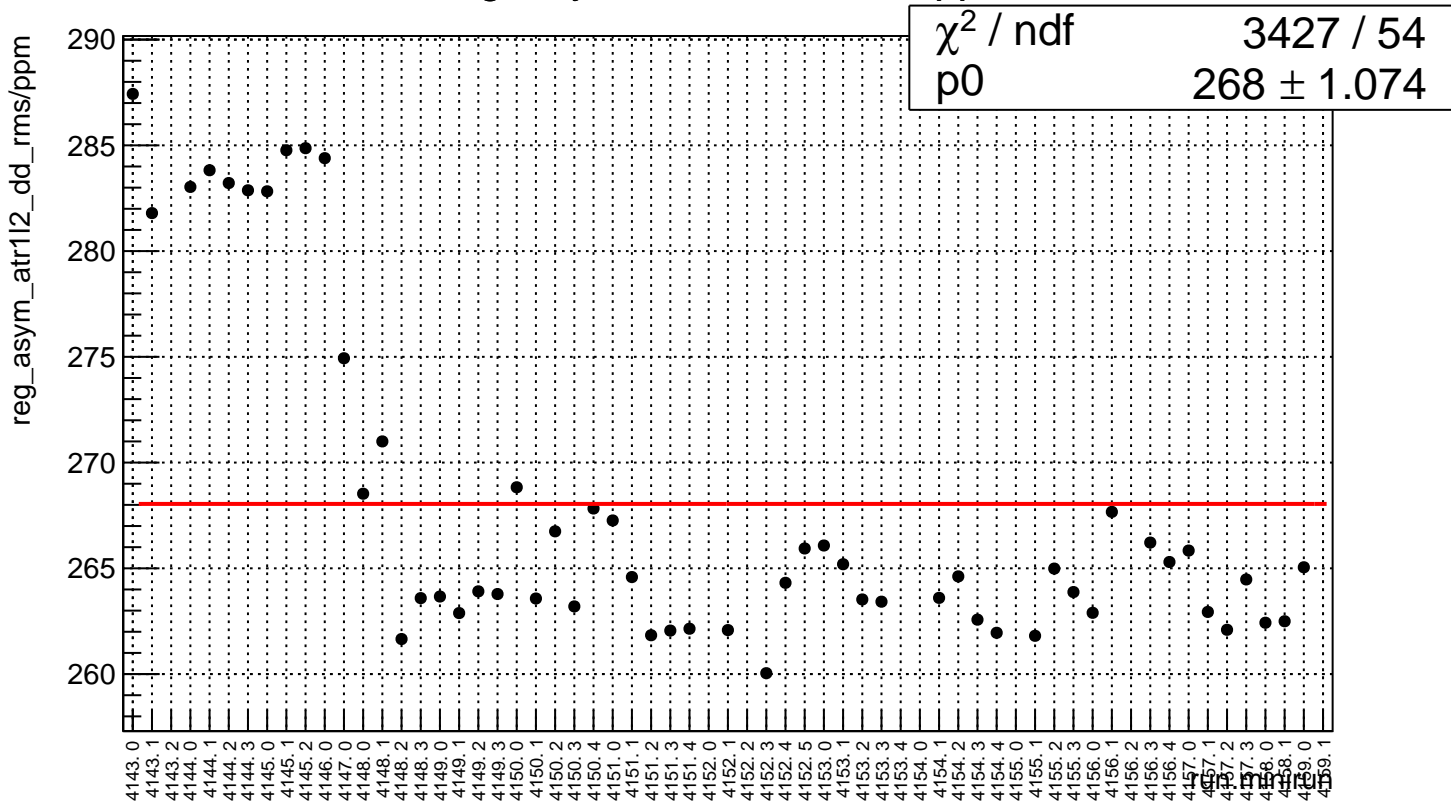
p0

$0.33 \pm 0.3664$

reg\_asym\_atr1l2\_dd\_mean/ppm



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

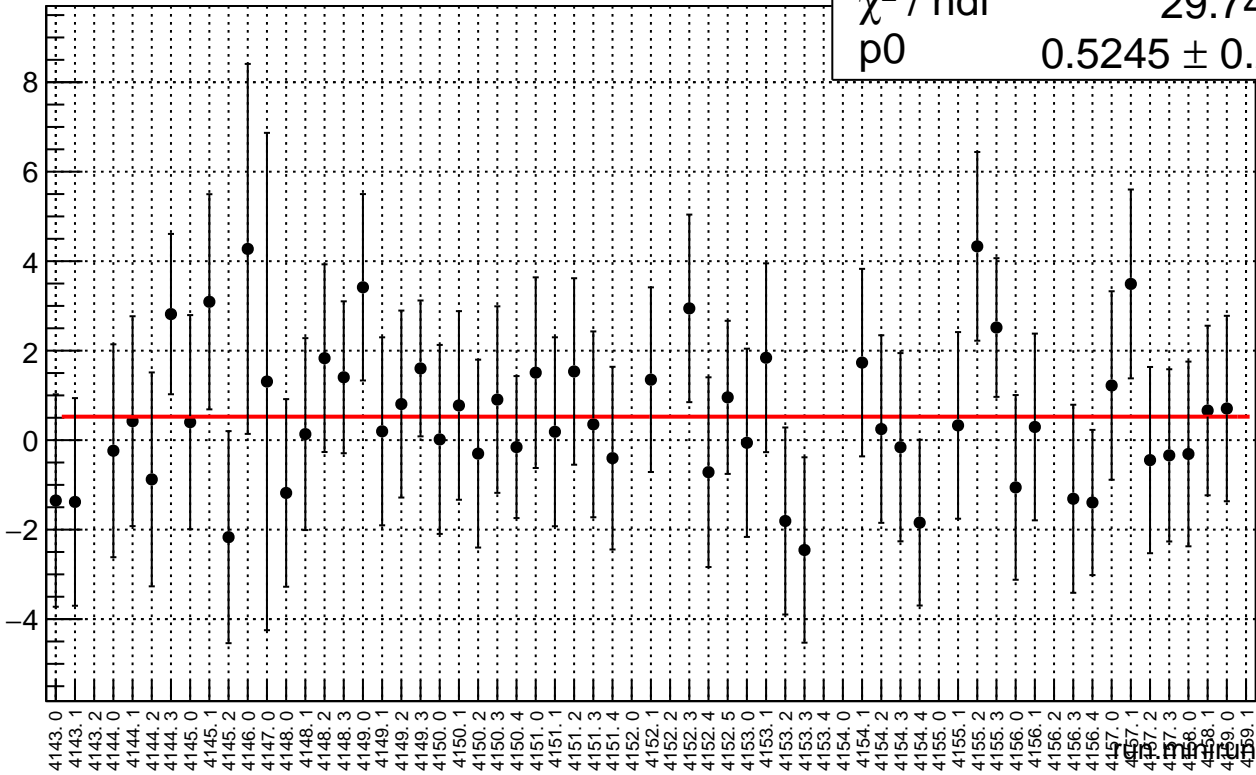




# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

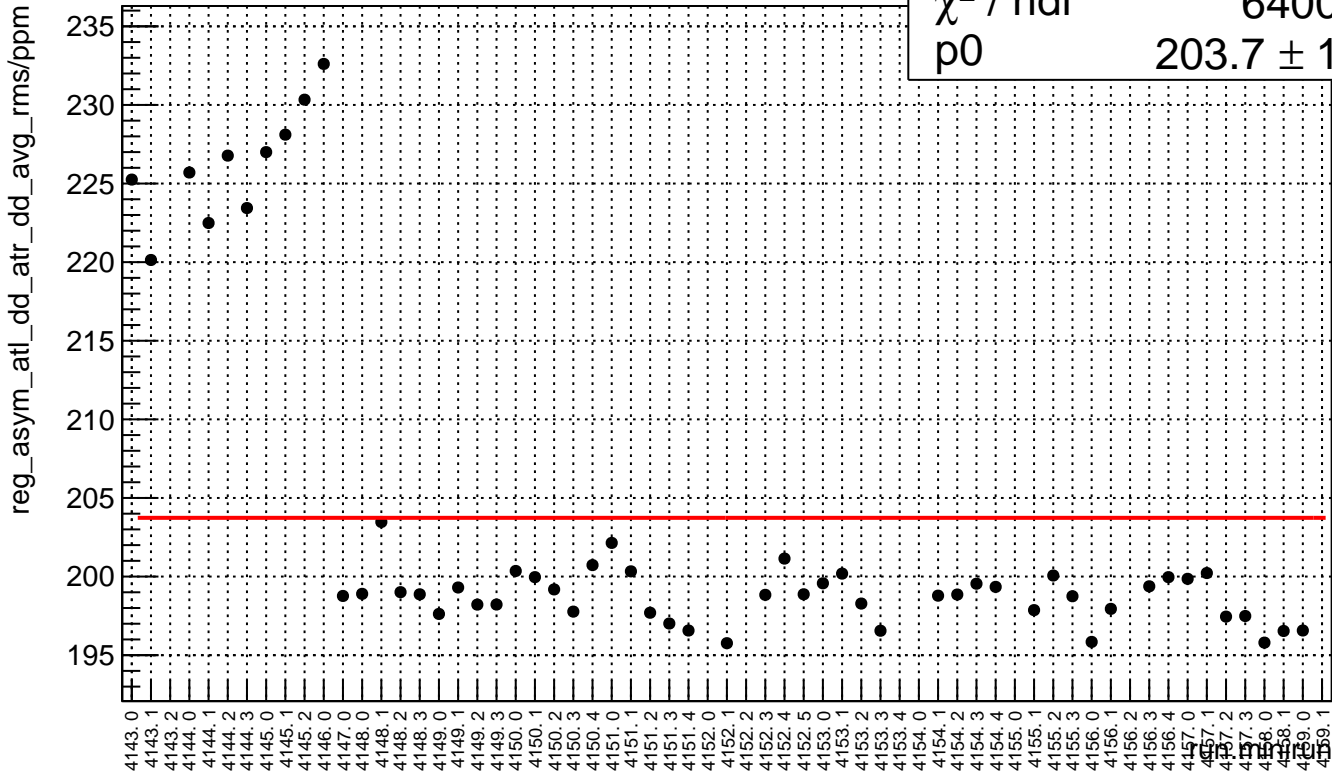
reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  29.74 / 54  
 p0  $0.5245 \pm 0.2777$



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

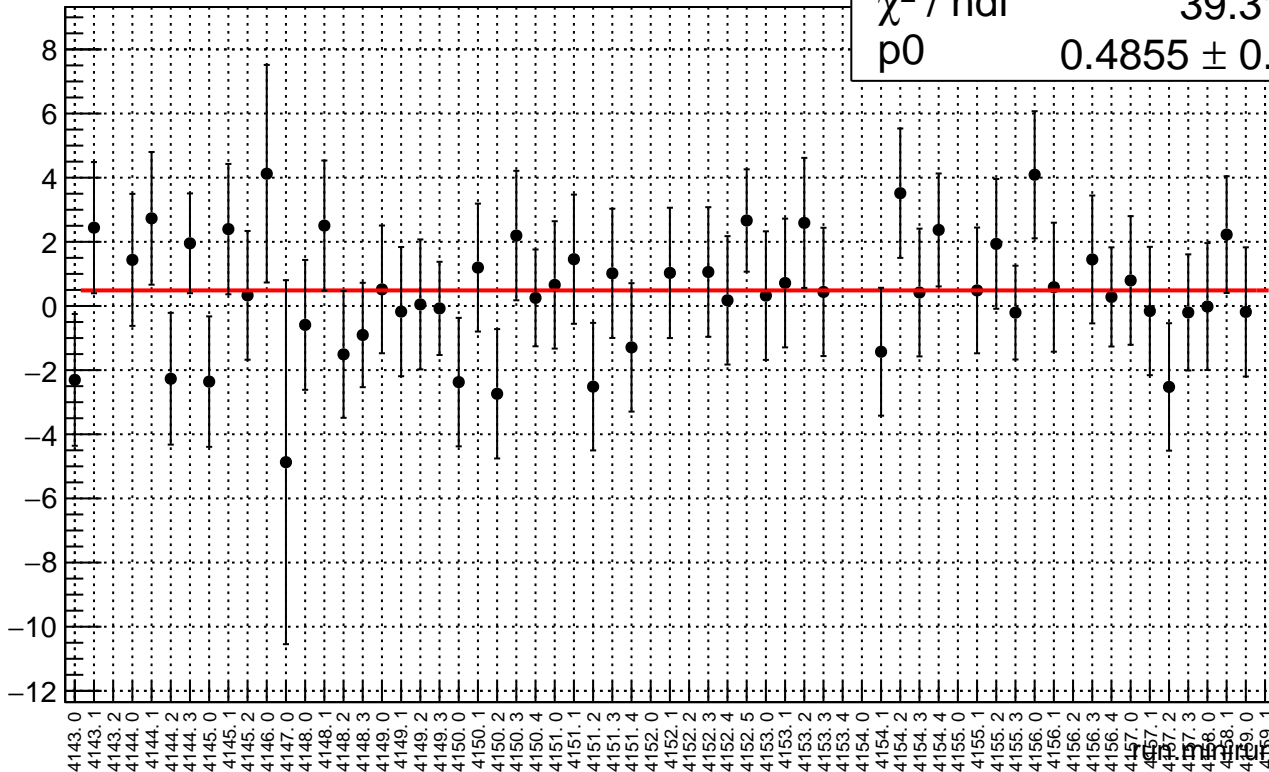
$\chi^2 / \text{ndf}$  6400 / 54  
 p0  $203.7 \pm 1.468$



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

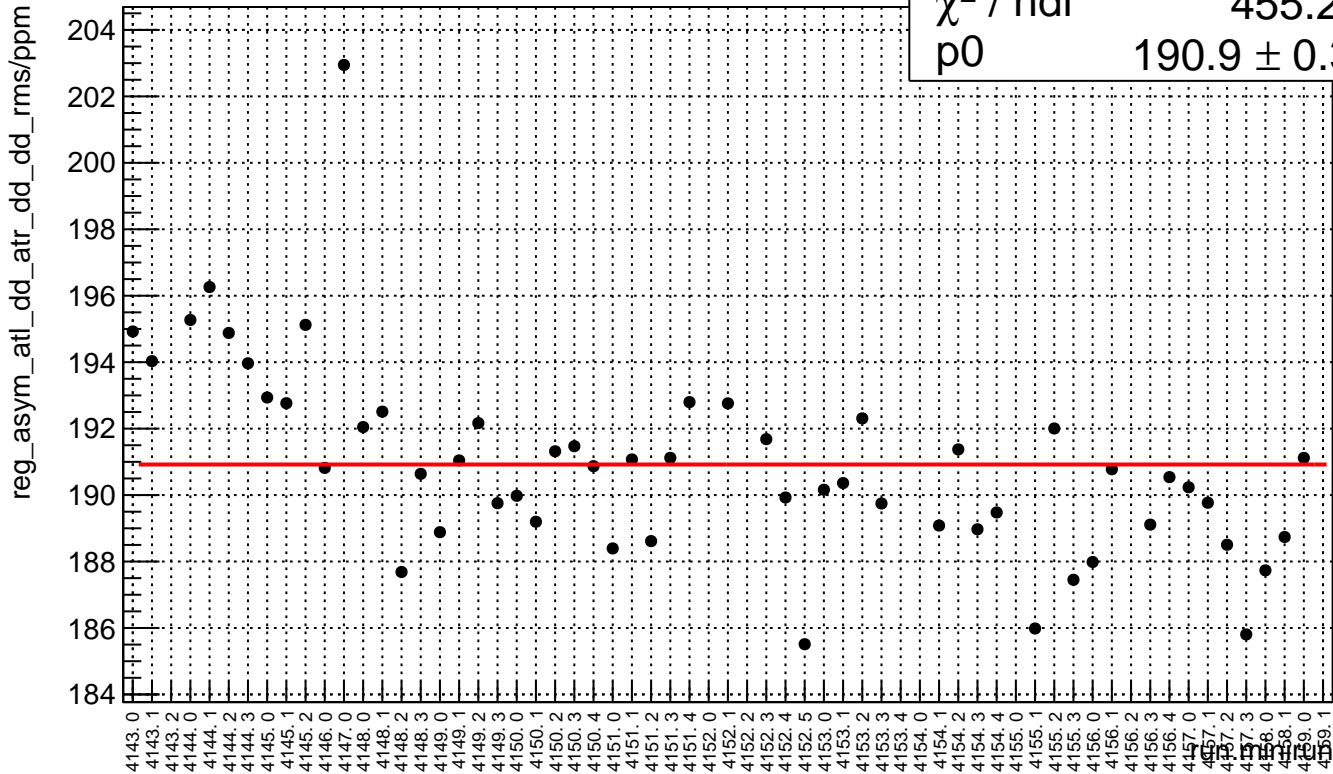
$\chi^2 / \text{ndf}$  39.31 / 54  
p0  $0.4855 \pm 0.2612$

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



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

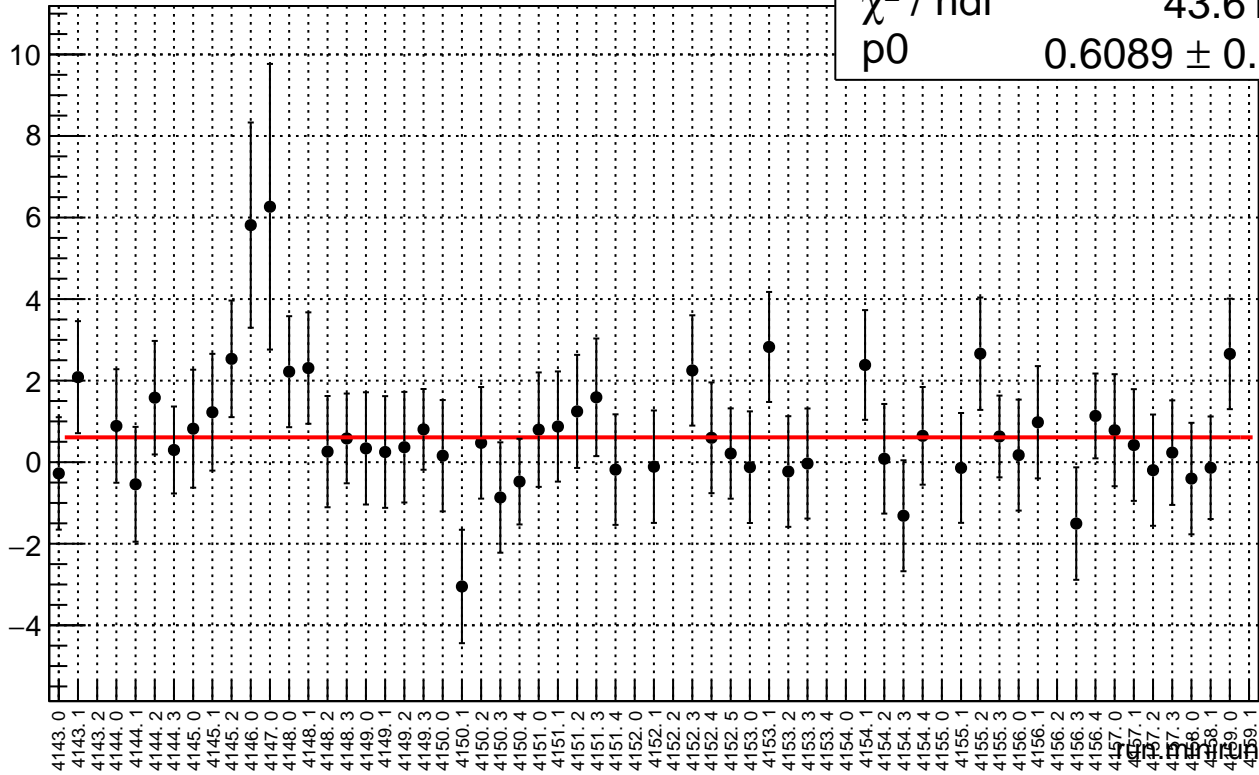
$\chi^2 / \text{ndf}$  455.2 / 54  
 p0 190.9 ± 0.3915



reg\_asym\_usl\_mean/ppm

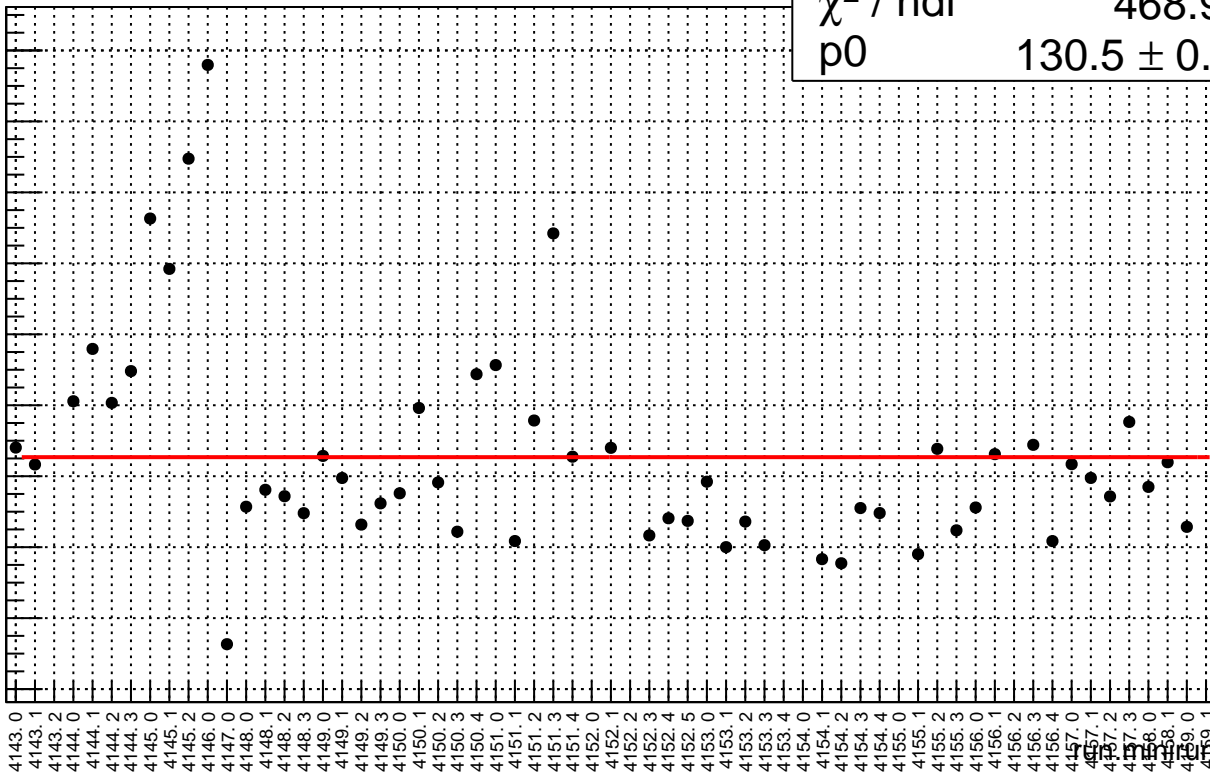
$\chi^2 / \text{ndf}$  43.61 / 54  
p0  $0.6089 \pm 0.1787$

reg\_asym\_usl\_mean/ppm

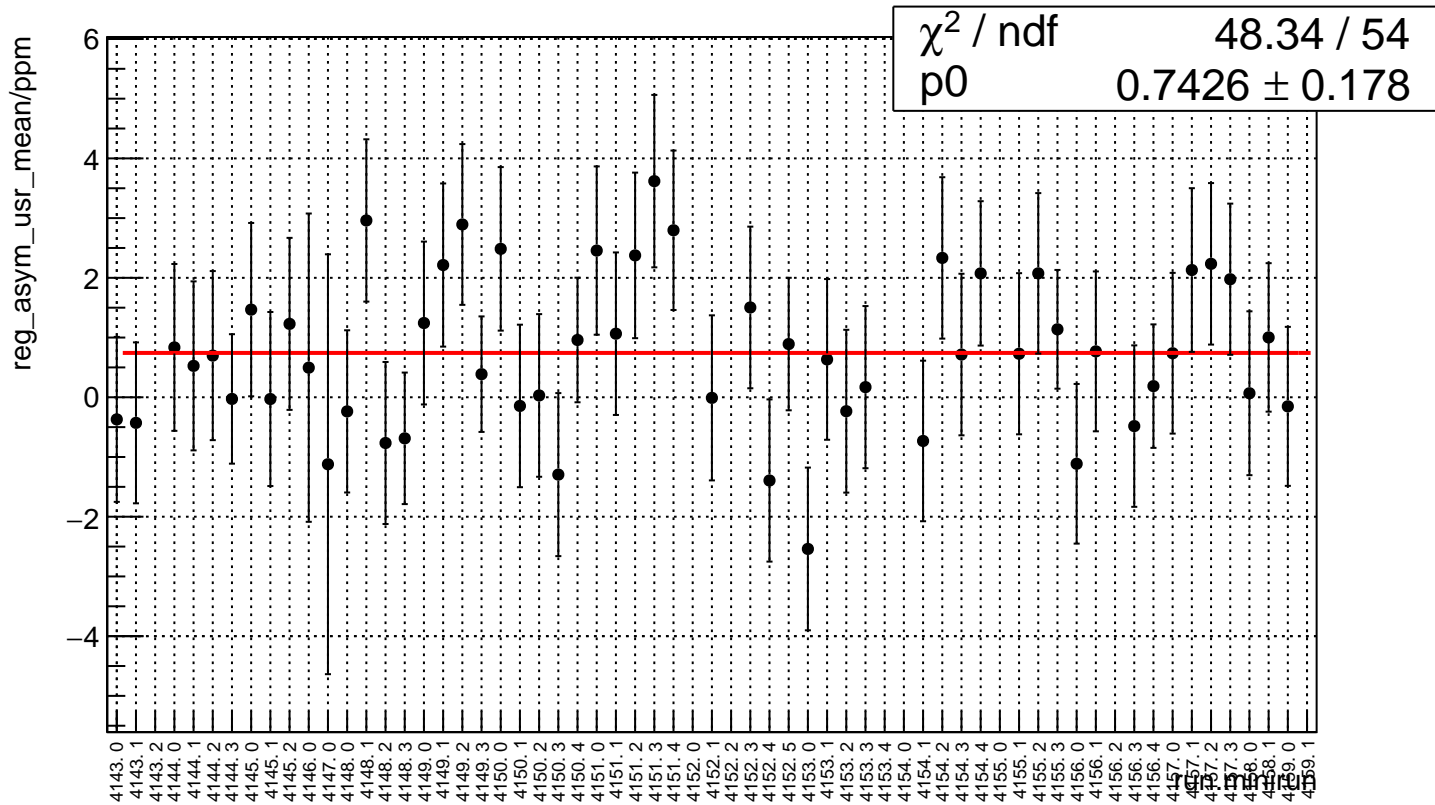


## reg\_asym\_usl\_rms/ppm

reg\_asym\_usl\_rms/ppm

142  
140  
138  
136  
134  
132  
130  
128  
126  
124 $\chi^2 / \text{ndf}$   
p0468.9 / 54  
 $130.5 \pm 0.3973$

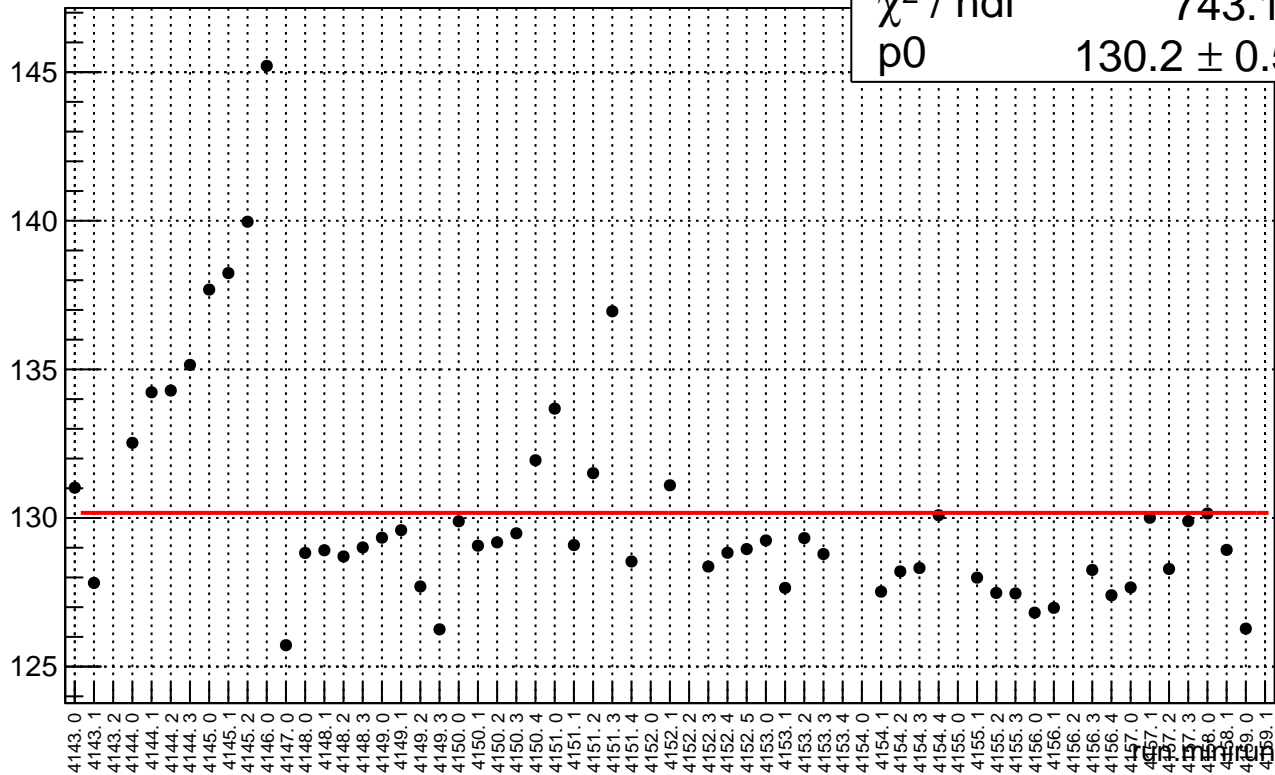
## reg\_asym\_usr\_mean/ppm



reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  743.1 / 54  
p0 130.2  $\pm$  0.5002

reg\_asym\_usr\_rms/ppm



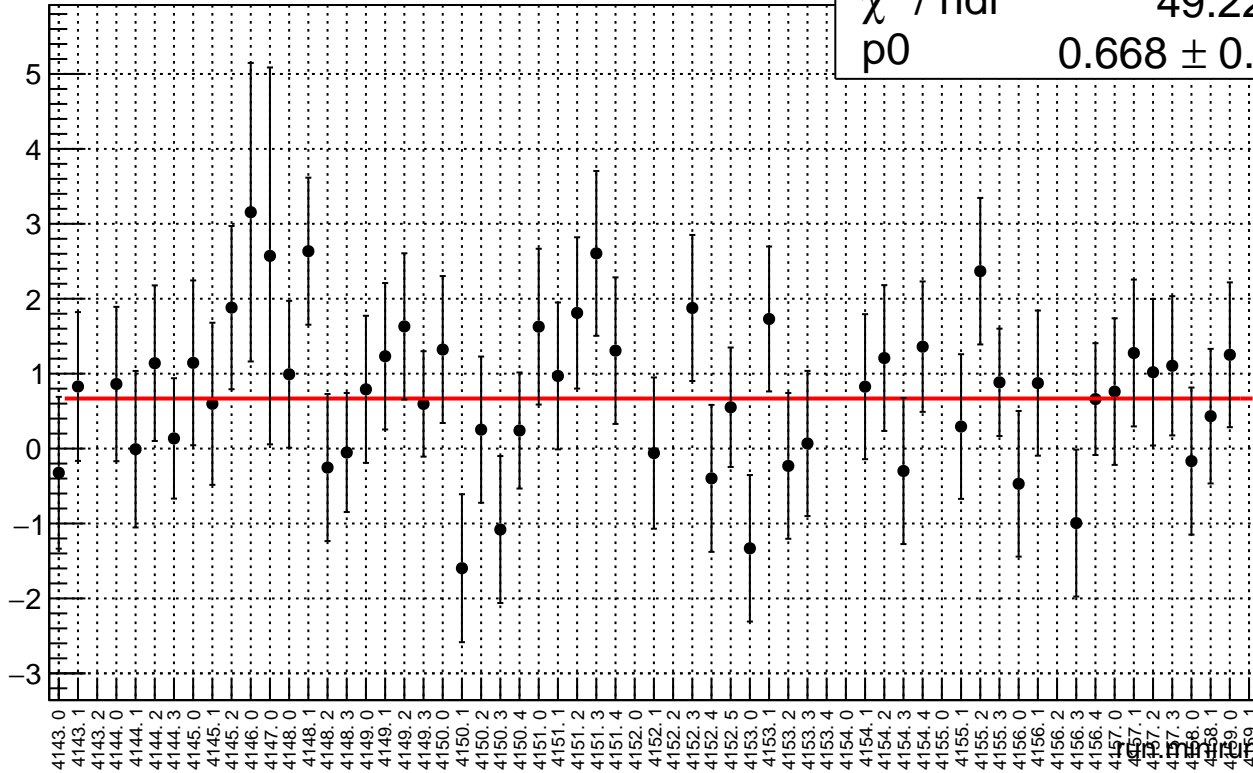


reg\_asym\_us\_avg\_mean/ppm

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

49.22 / 54  
 $0.668 \pm 0.1293$

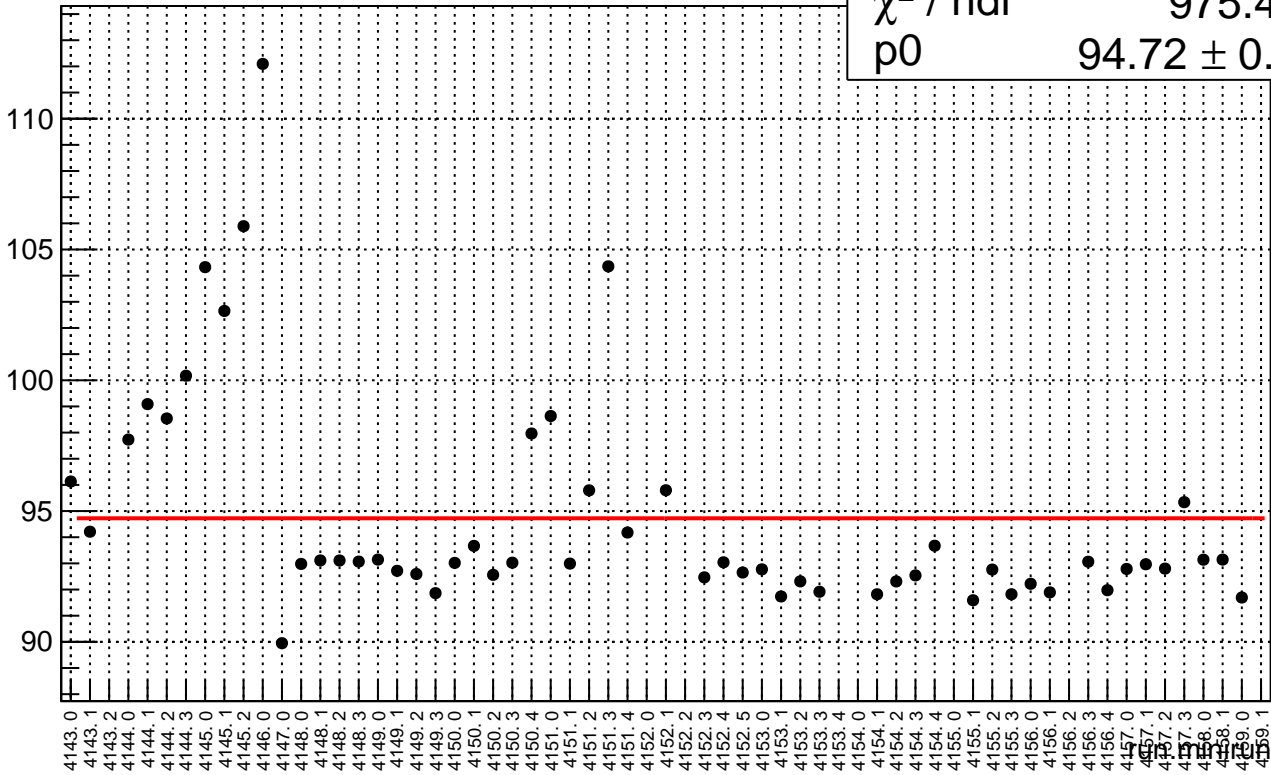
reg\_asym\_us\_avg\_mean/ppm



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

reg\_asym\_us\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  975.4 / 54  
 p0  $94.72 \pm 0.5731$



reg\_asym\_us\_dd\_mean/ppm

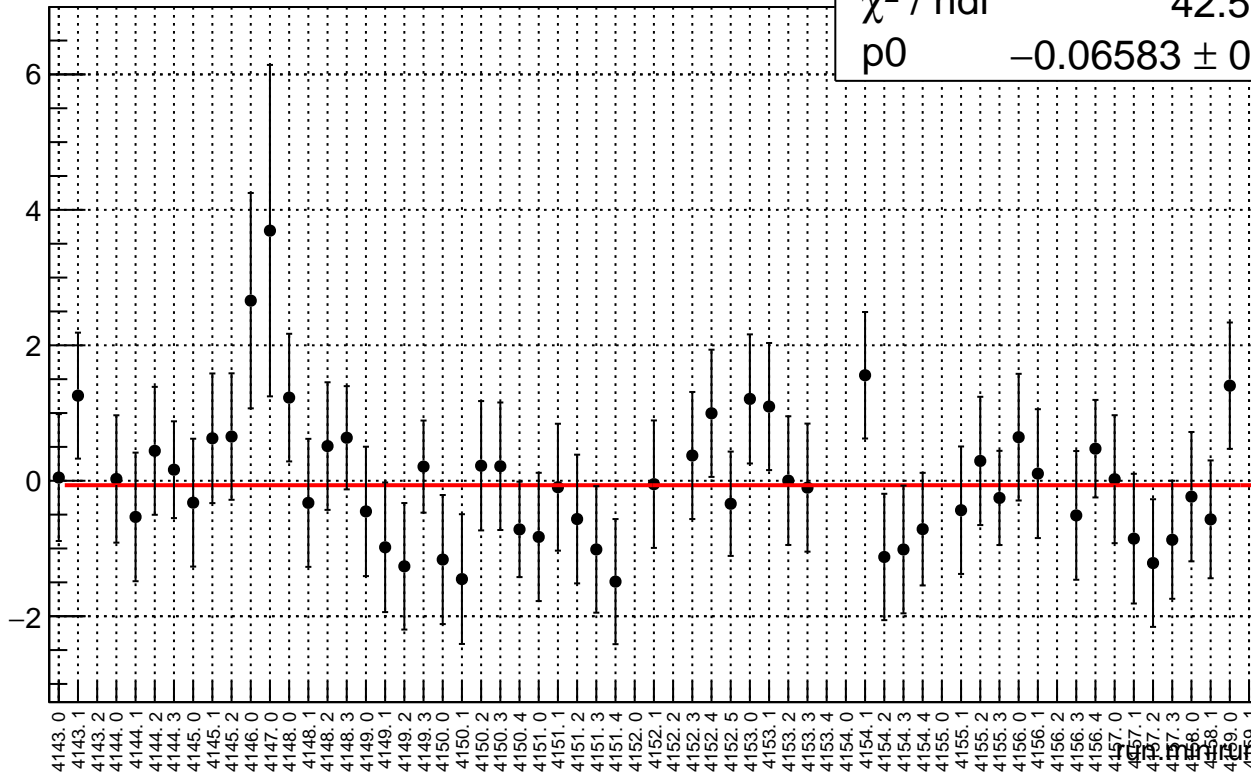
$\chi^2 / \text{ndf}$

42.55 / 54

p0

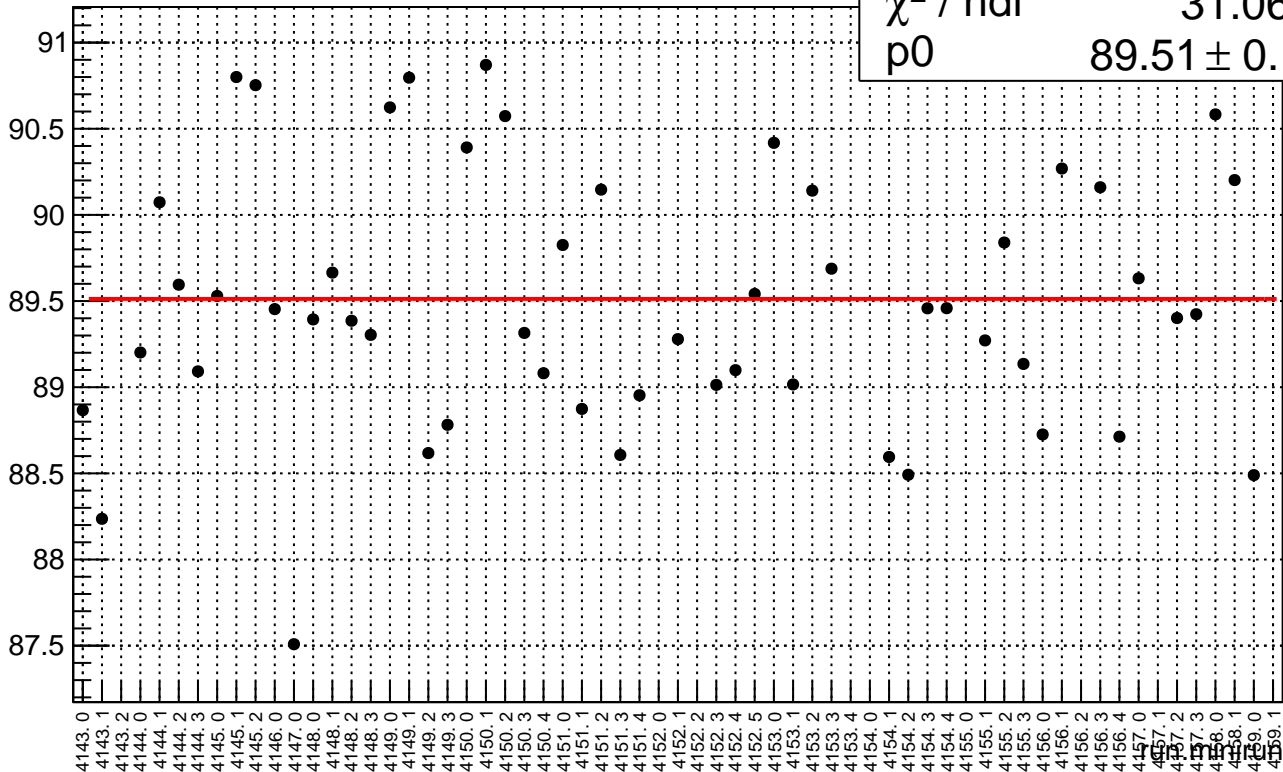
$-0.06583 \pm 0.1226$

reg\_asym\_us\_dd\_mean/ppm



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

reg\_asym\_us\_dd\_rms/ppm



$\chi^2 / \text{ndf}$	31.06 / 54
p0	$89.51 \pm 0.1023$