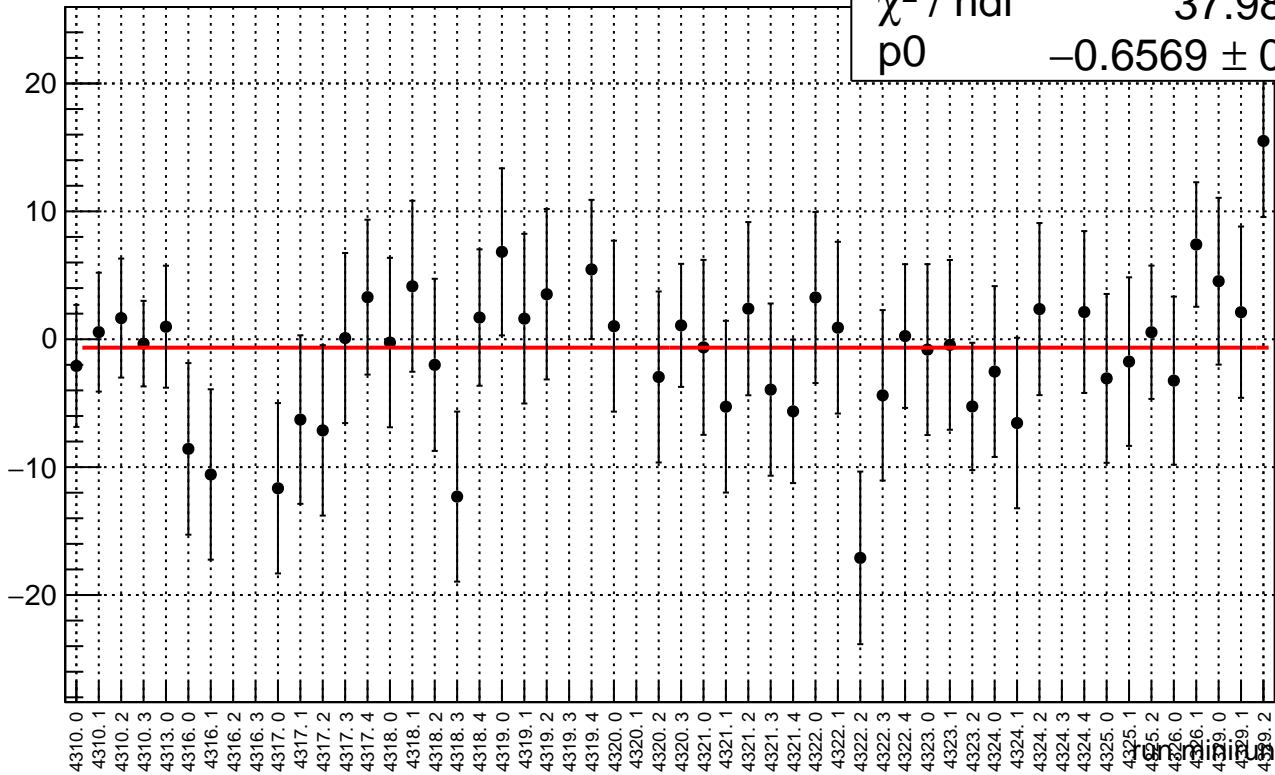


reg\_asym\_atl1\_mean/ppm

$\chi^2 / \text{ndf}$  37.98 / 48  
p0  $-0.6569 \pm 0.849$

reg\_asym\_atl1\_mean/ppm

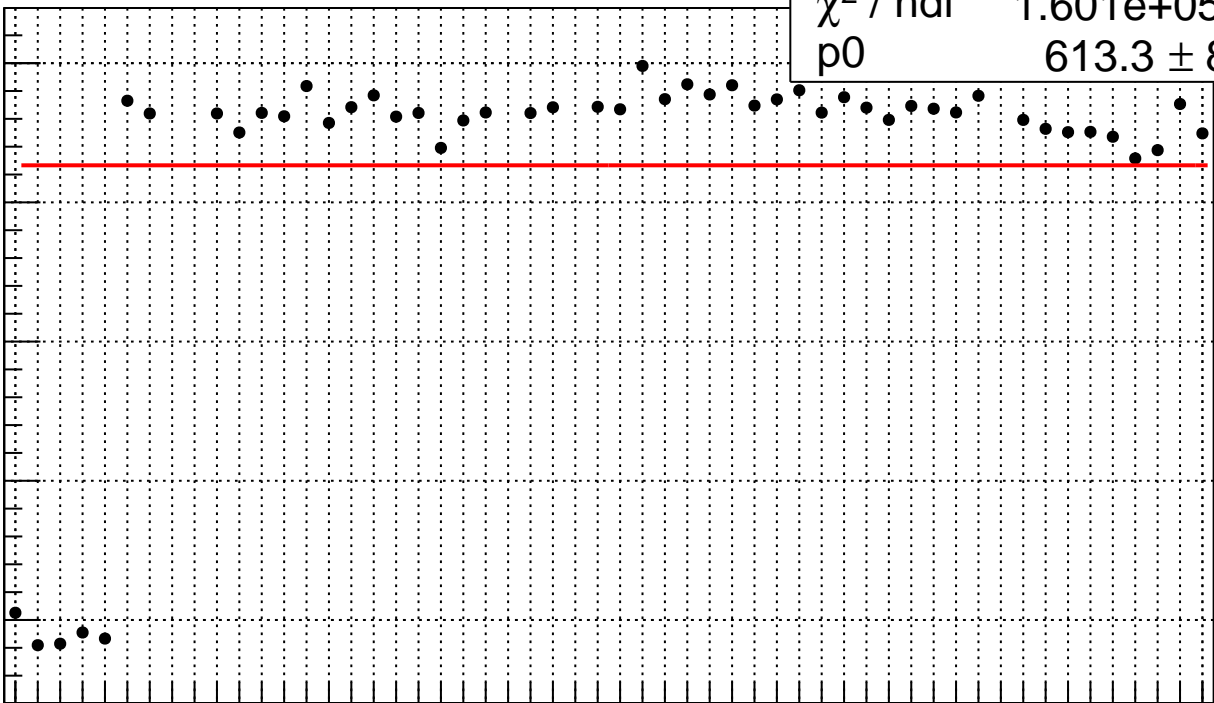


# reg\_asym\_atl1\_rms/ppm

reg\_asym\_atl1\_rms/ppm

650  
600  
550  
500  
450

$\chi^2 / \text{ndf}$  1.601e+05 / 48  
p0 613.3 ± 8.251

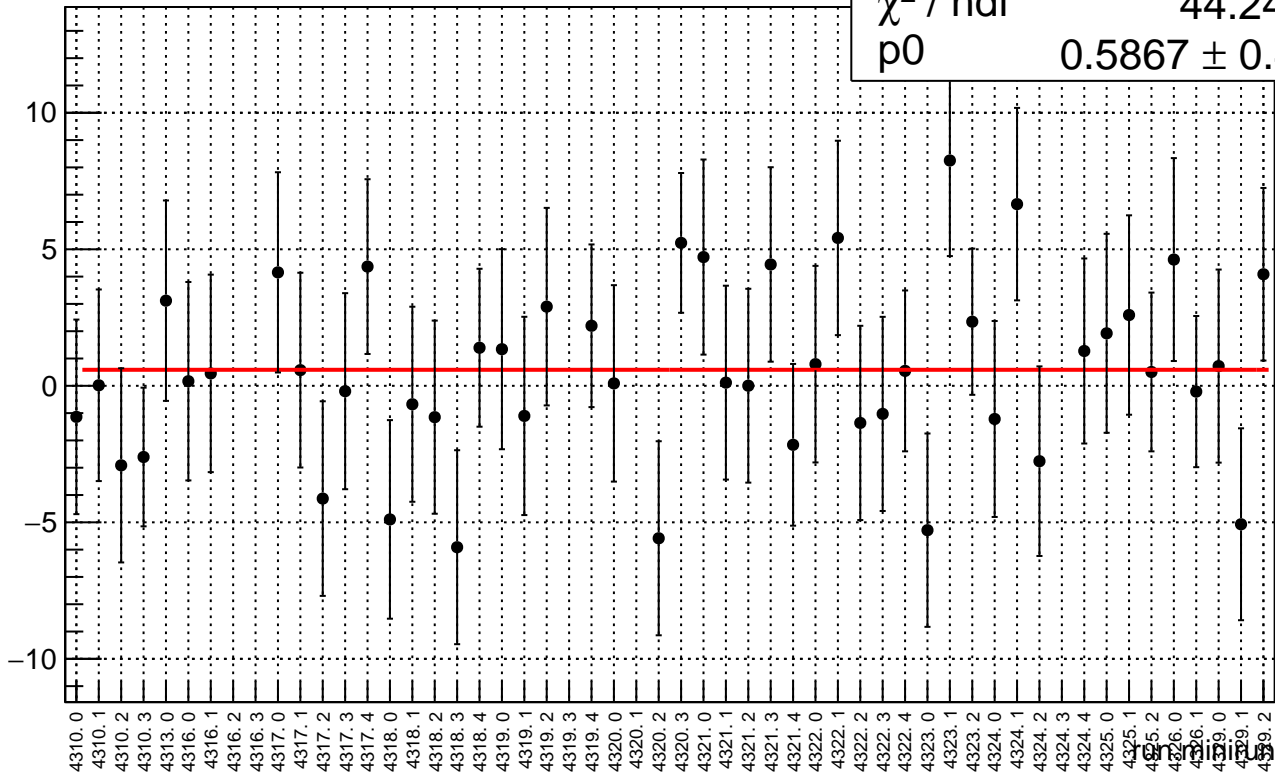


4310.0  
4310.1  
4310.2  
4310.3  
4313.0  
4316.0  
4316.1  
4316.2  
4316.3  
4317.0  
4317.1  
4317.2  
4317.3  
4317.4  
4318.0  
4318.1  
4318.2  
4318.3  
4318.4  
4319.0  
4319.1  
4319.2  
4319.3  
4319.4  
4320.0  
4320.1  
4320.2  
4320.3  
4321.0  
4321.1  
4321.2  
4321.3  
4321.4  
4322.0  
4322.1  
4322.2  
4322.3  
4322.4  
4323.0  
4323.1  
4323.2  
4324.0  
4324.1  
4324.2  
4324.3  
4324.4  
4325.0  
4325.1  
4325.2  
4326.0  
4326.1  
4329.0  
4329.1  
4329.2

# reg\_asym\_atl2\_mean/ppm

reg\_asym\_atl2\_mean/ppm

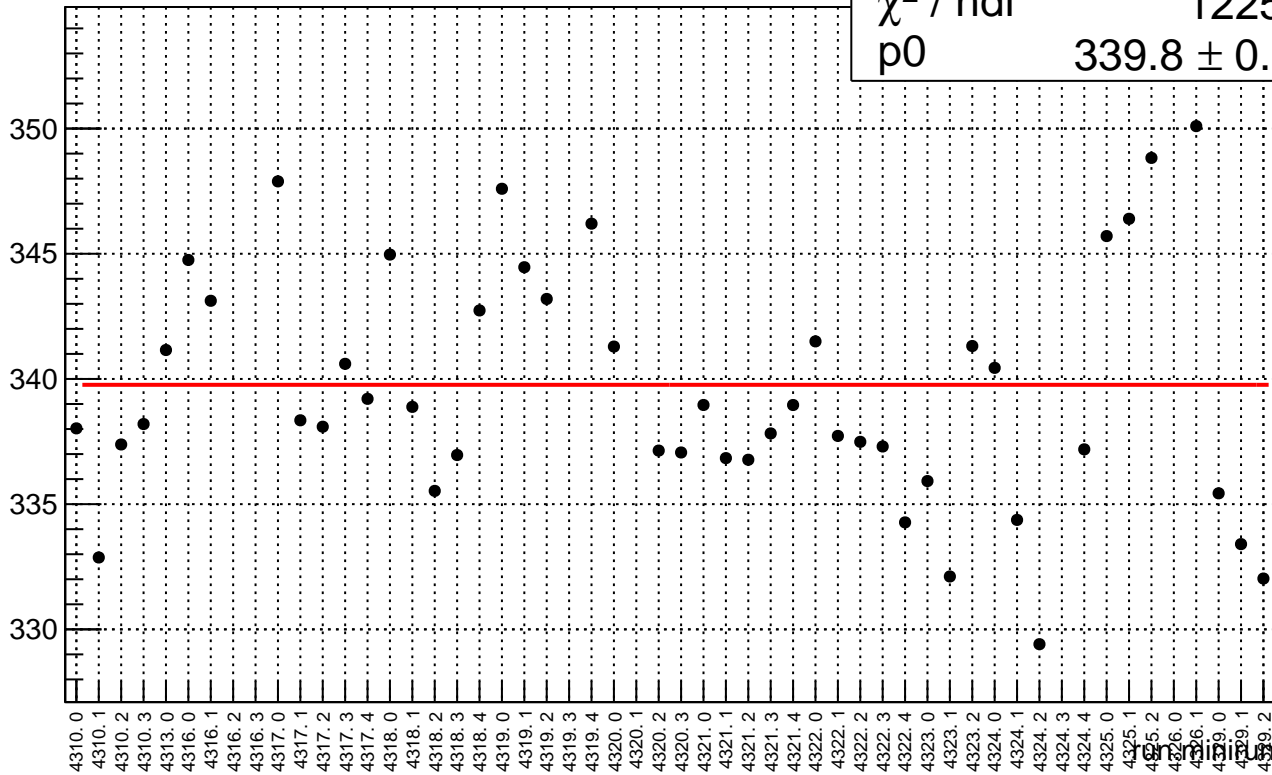
$\chi^2 / \text{ndf}$  44.24 / 48  
 p0  $0.5867 \pm 0.4806$



reg\_asym\_atl2\_rms/ppm

$\chi^2 / \text{ndf}$  1225 / 48  
p0 339.8  $\pm$  0.7217

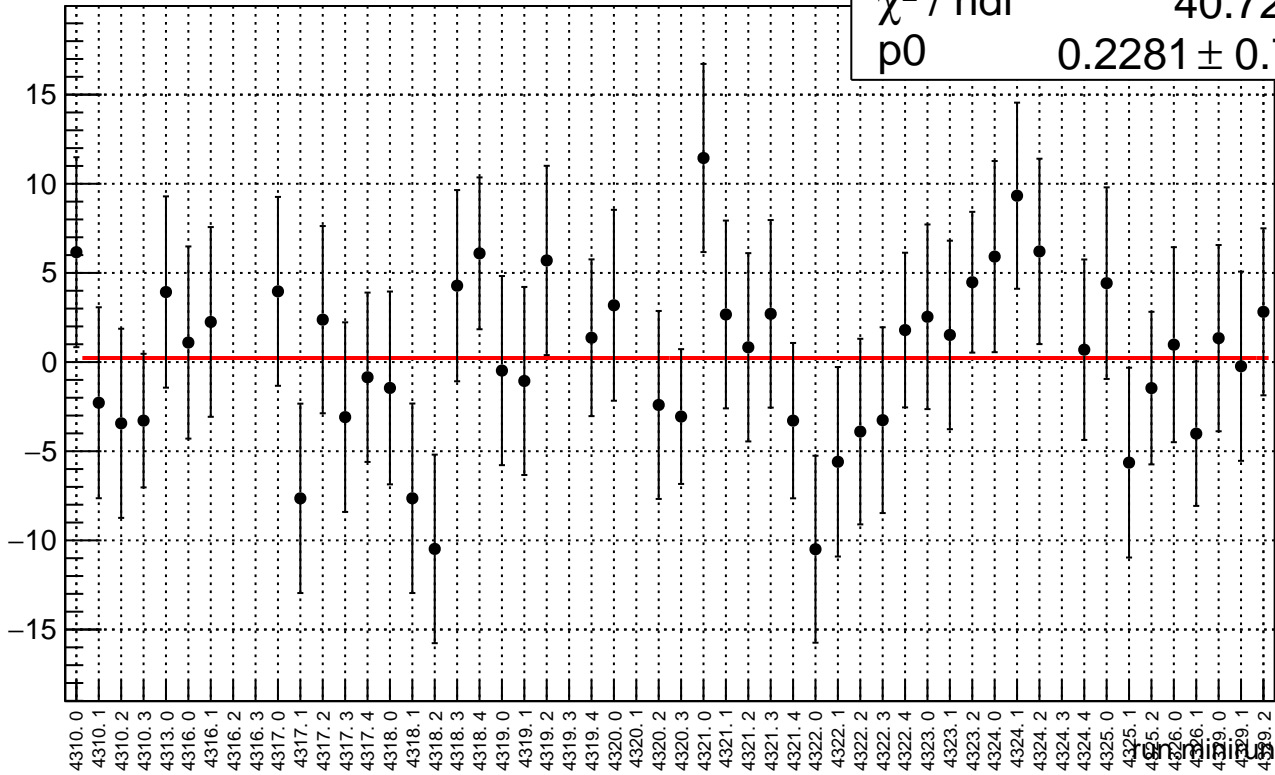
reg\_asym\_atl2\_rms/ppm



reg\_asym\_atr1\_mean/ppm

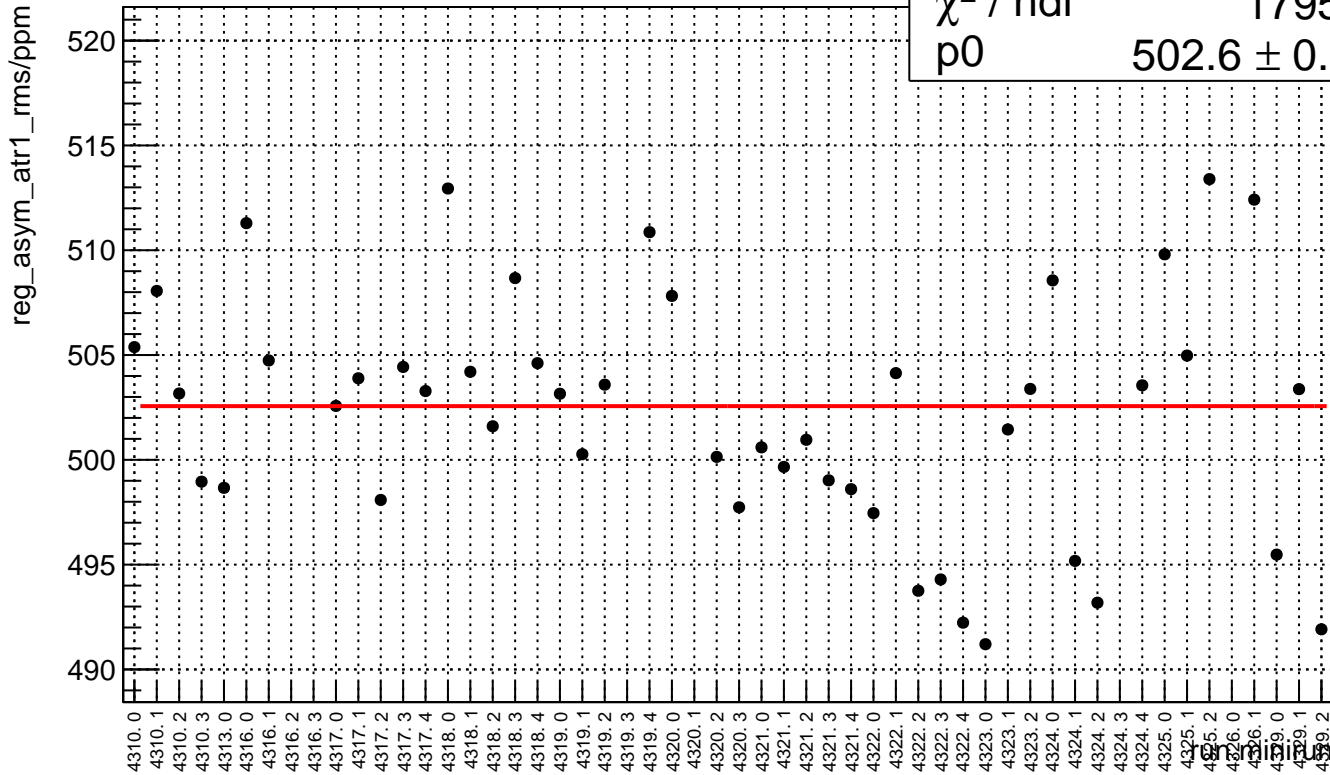
$\chi^2 / \text{ndf}$  40.72 / 48  
p0  $0.2281 \pm 0.7106$

reg\_asym\_atr1\_mean/ppm



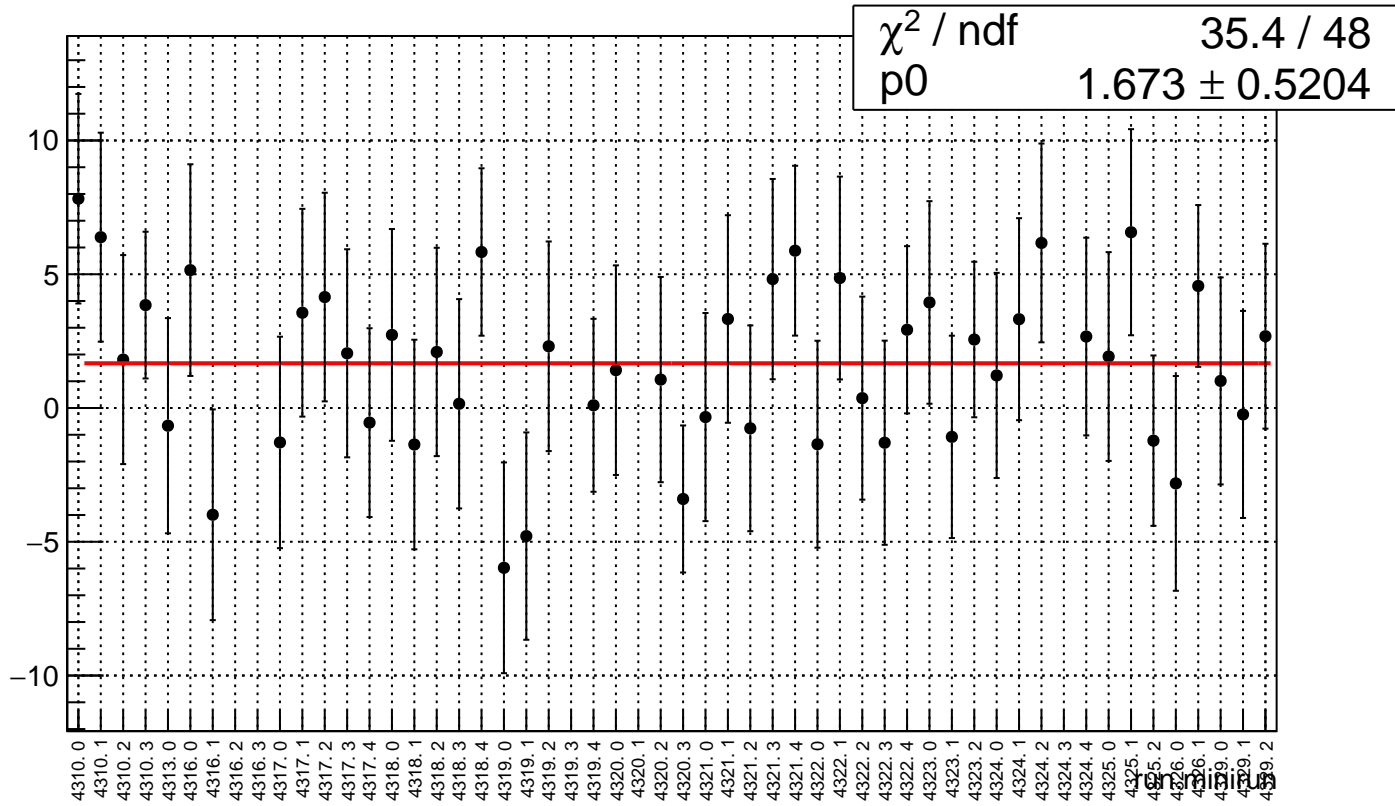
reg\_asym\_atr1\_rms/ppm

$\chi^2 / \text{ndf}$  1795 / 48  
p0 502.6 ± 0.8737



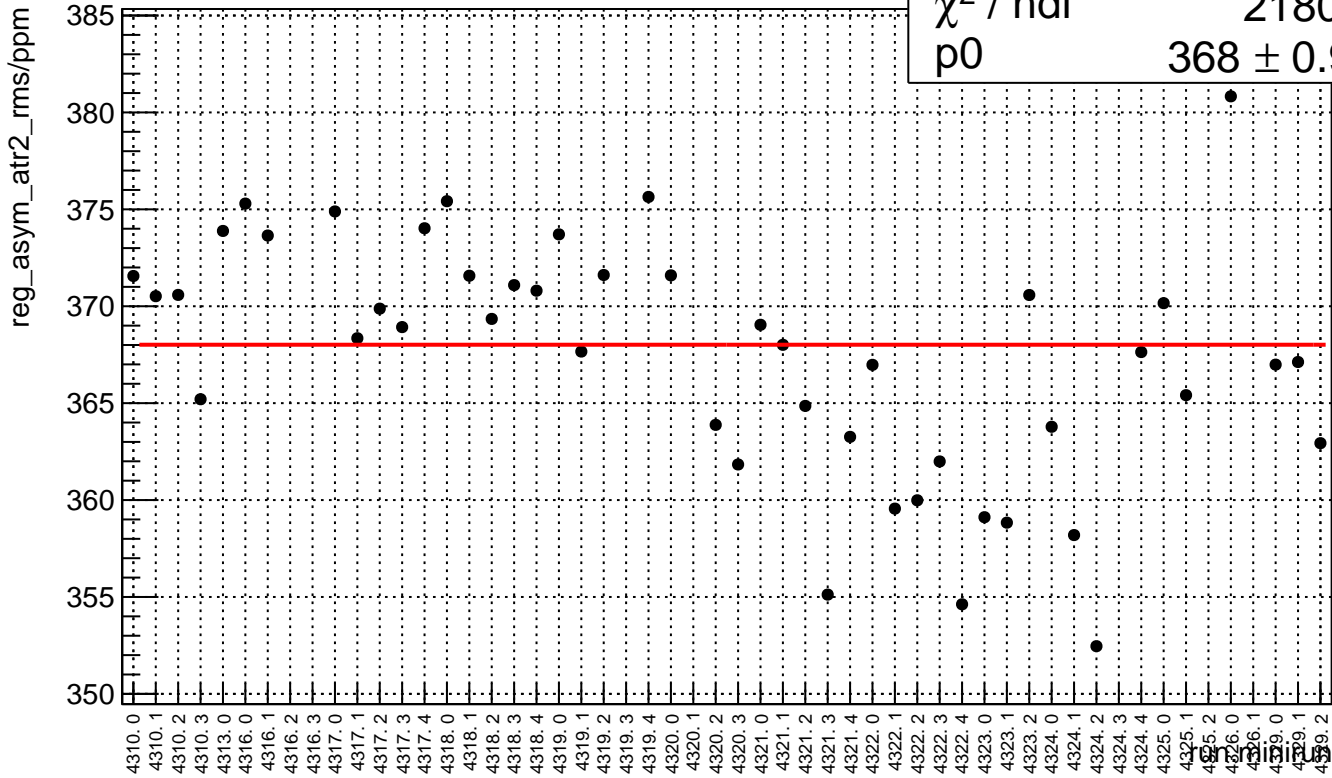
## reg\_asym\_atr2\_mean/ppm

reg\_asym\_atr2\_mean/ppm



# reg\_asym\_atr2\_rms/ppm

$\chi^2 / \text{ndf}$  2180 / 48  
 p0  $368 \pm 0.9628$

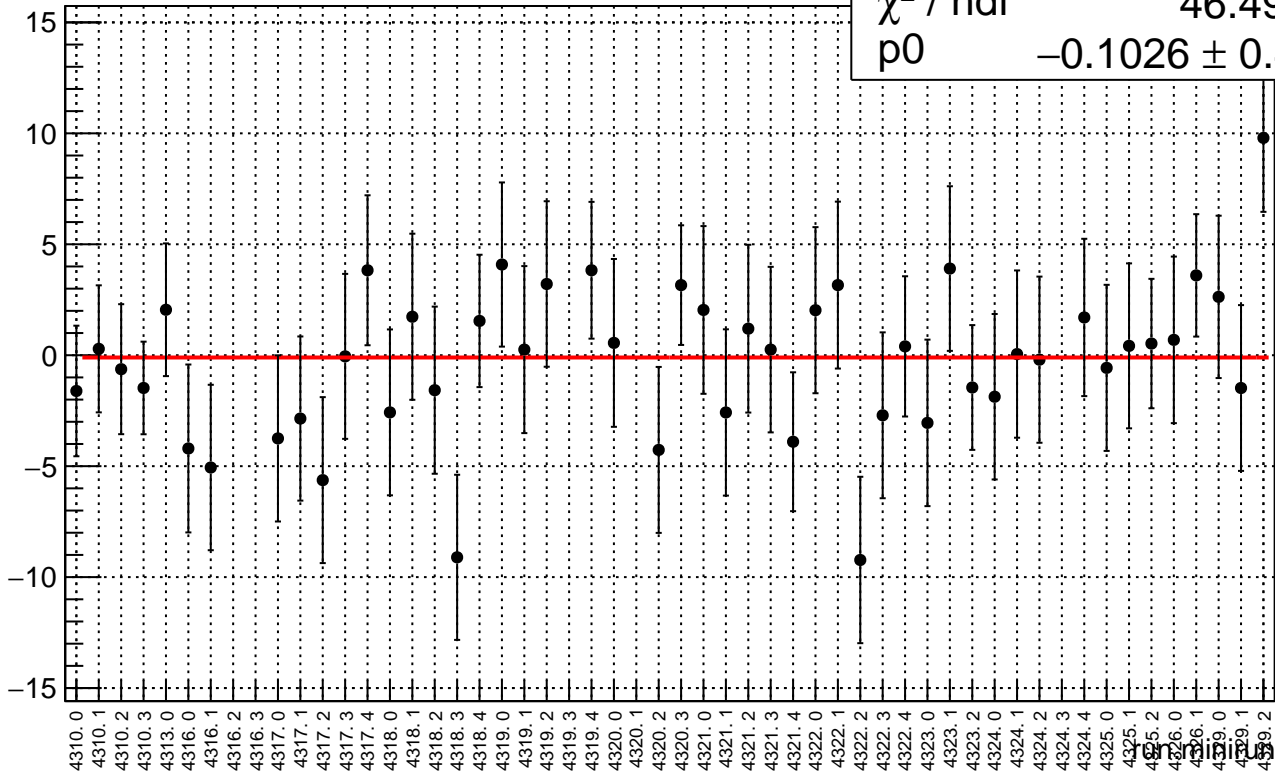




# reg\_asym\_atl\_avg\_mean/ppm

reg\_asym\_atl\_avg\_mean/ppm

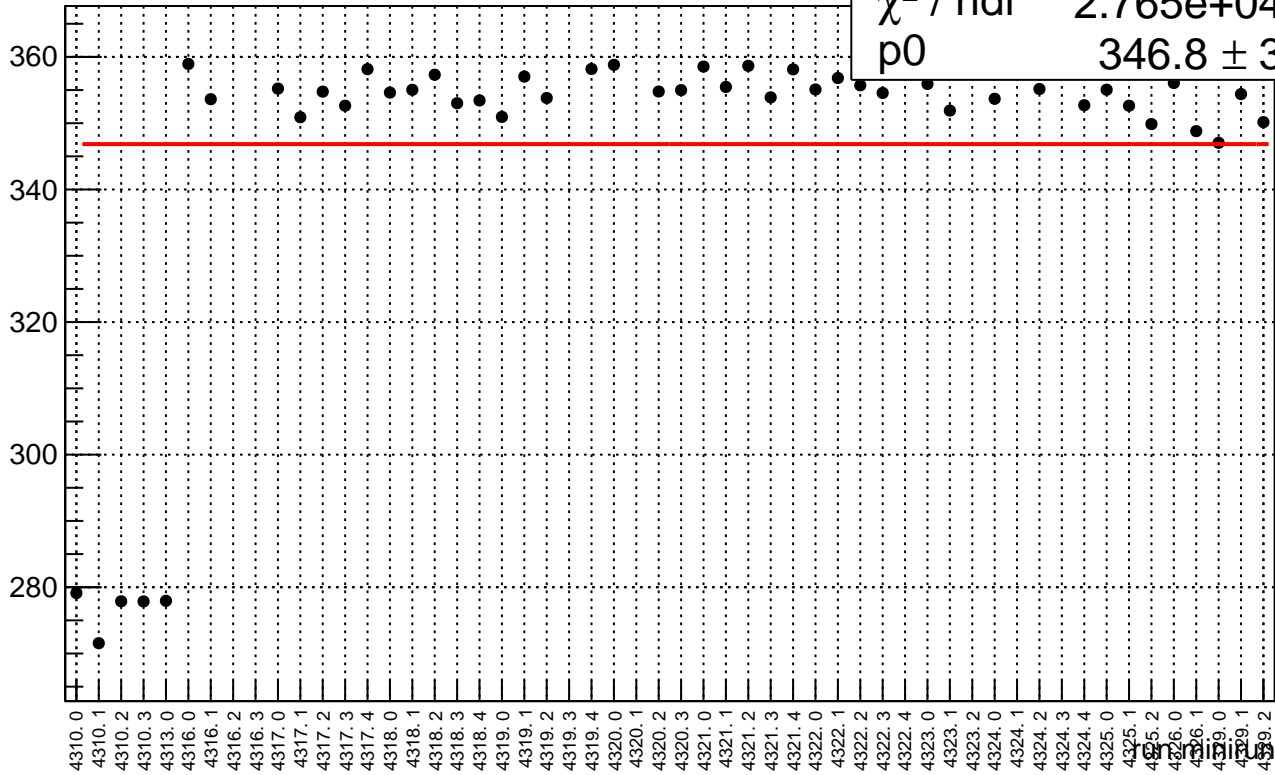
$\chi^2 / \text{ndf}$  46.49 / 48  
 $p_0$   $-0.1026 \pm 0.4854$



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

reg\_asym\_atl\_avg\_rms/ppm

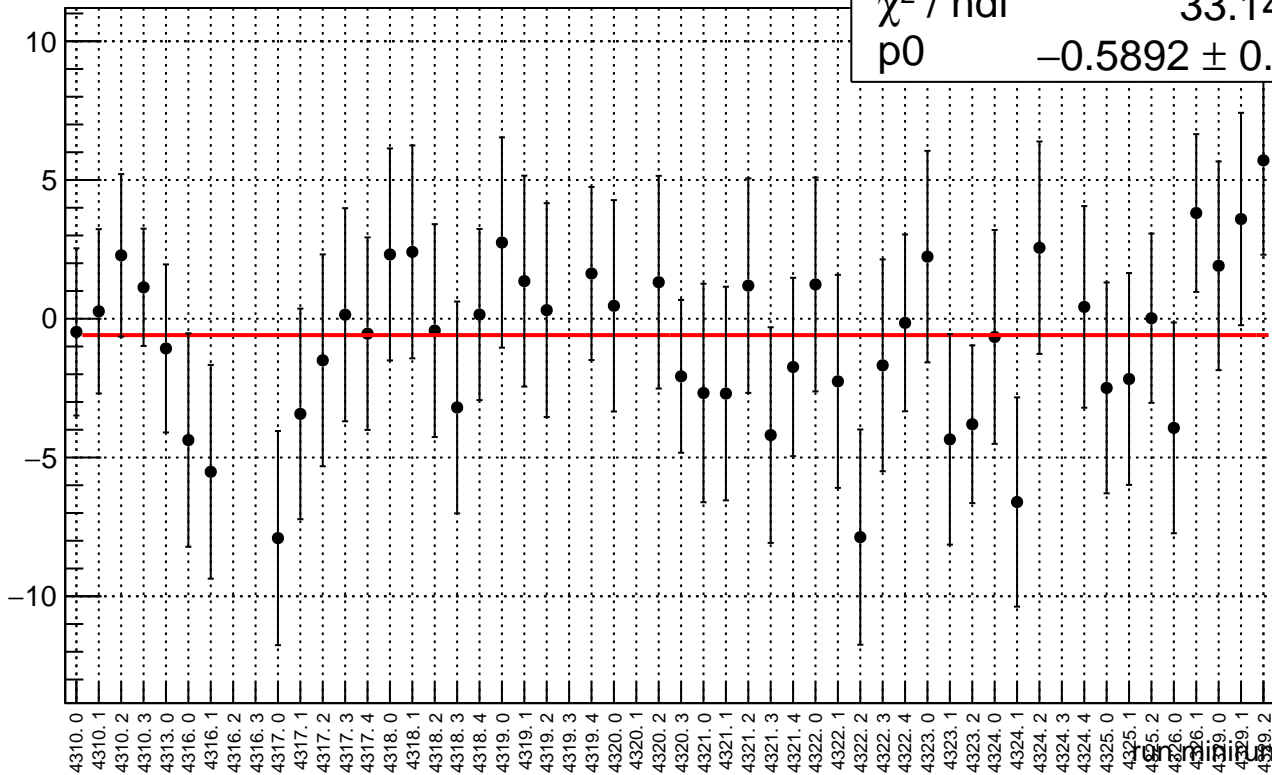
$\chi^2 / \text{ndf}$  2.765e+04 / 48  
p0 346.8  $\pm$  3.429



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

reg\_asym\_atl\_dd\_mean/ppm

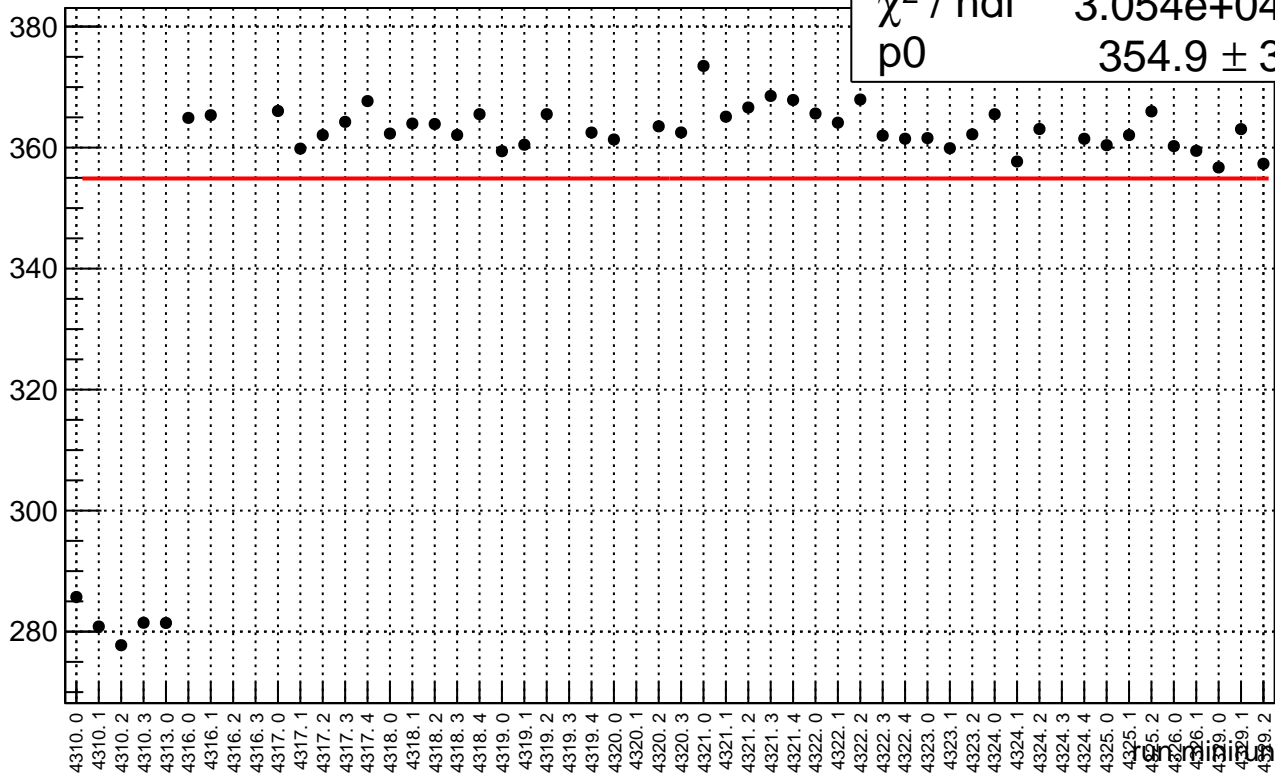
$\chi^2 / \text{ndf}$  33.14 / 48  
 p0  $-0.5892 \pm 0.4963$



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

reg\_asym\_atl\_dd\_rms/ppm

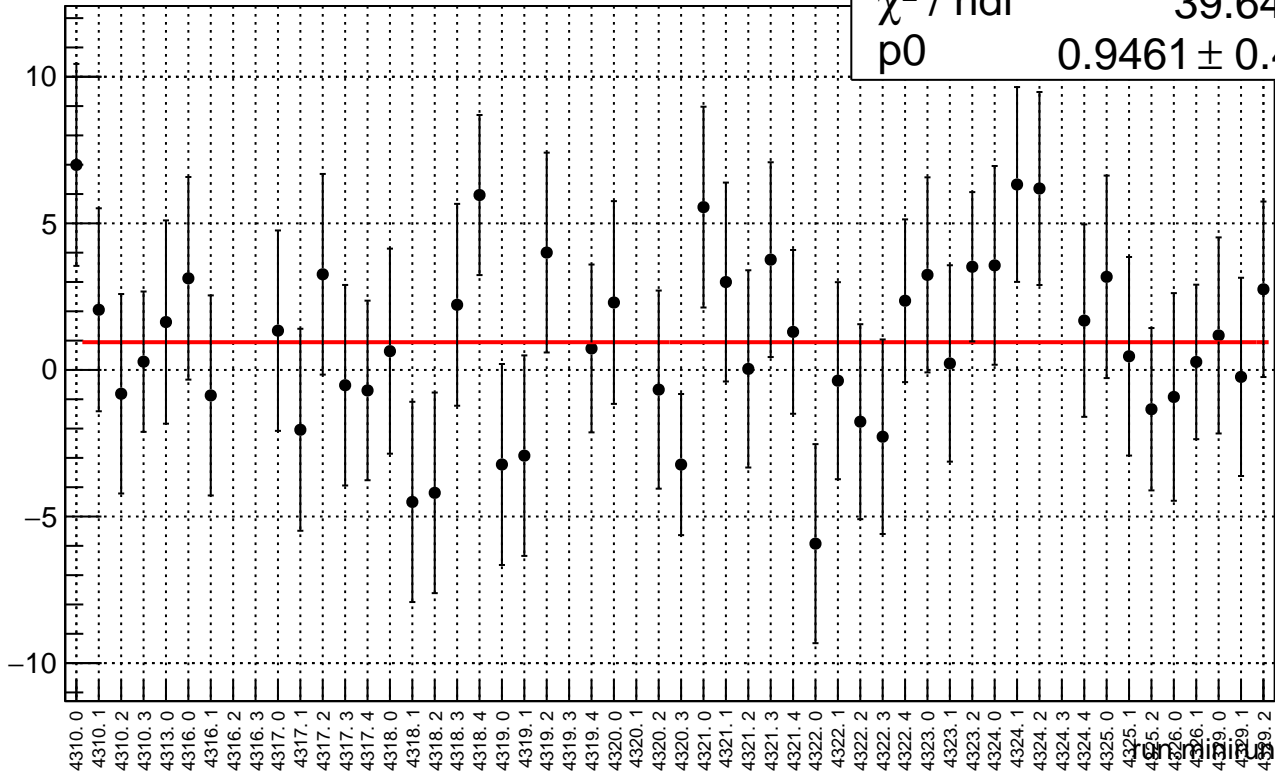
$\chi^2 / \text{ndf}$  3.054e+04 / 48  
 p0 354.9 ± 3.603



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

$\chi^2 / \text{ndf}$  39.64 / 48  
 p0  $0.9461 \pm 0.4565$

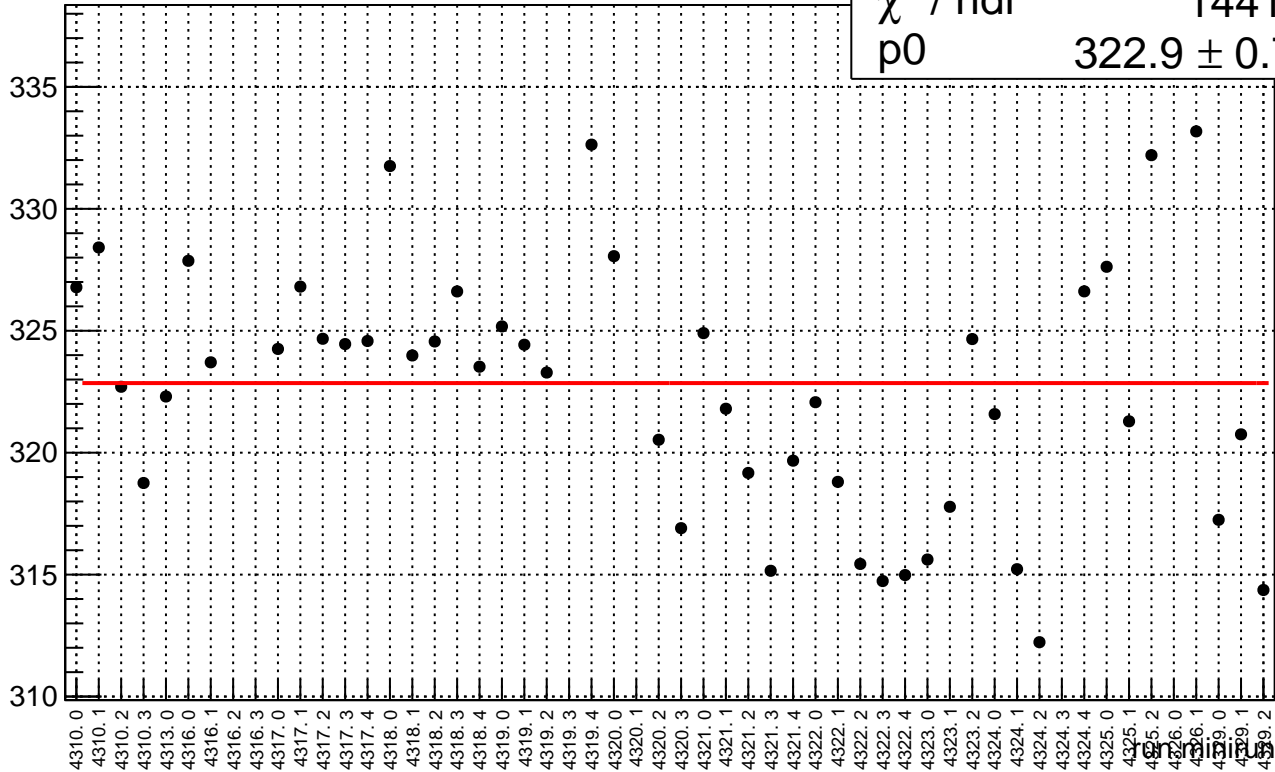
reg\_asym\_atr\_avg\_mean/ppm



reg\_asym\_atr\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  1441 / 48  
p0  $322.9 \pm 0.7828$

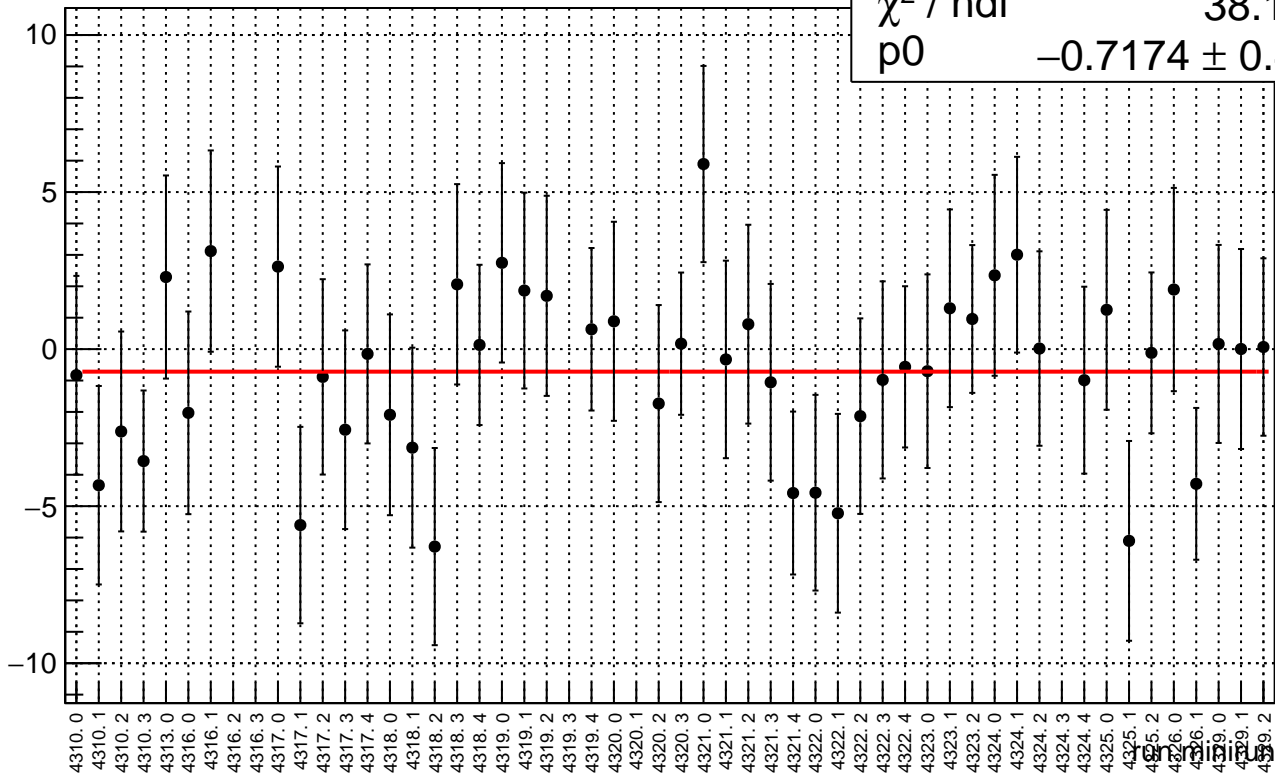
reg\_asym\_atr\_avg\_rms/ppm



reg\_asym\_atr\_dd\_mean/ppm

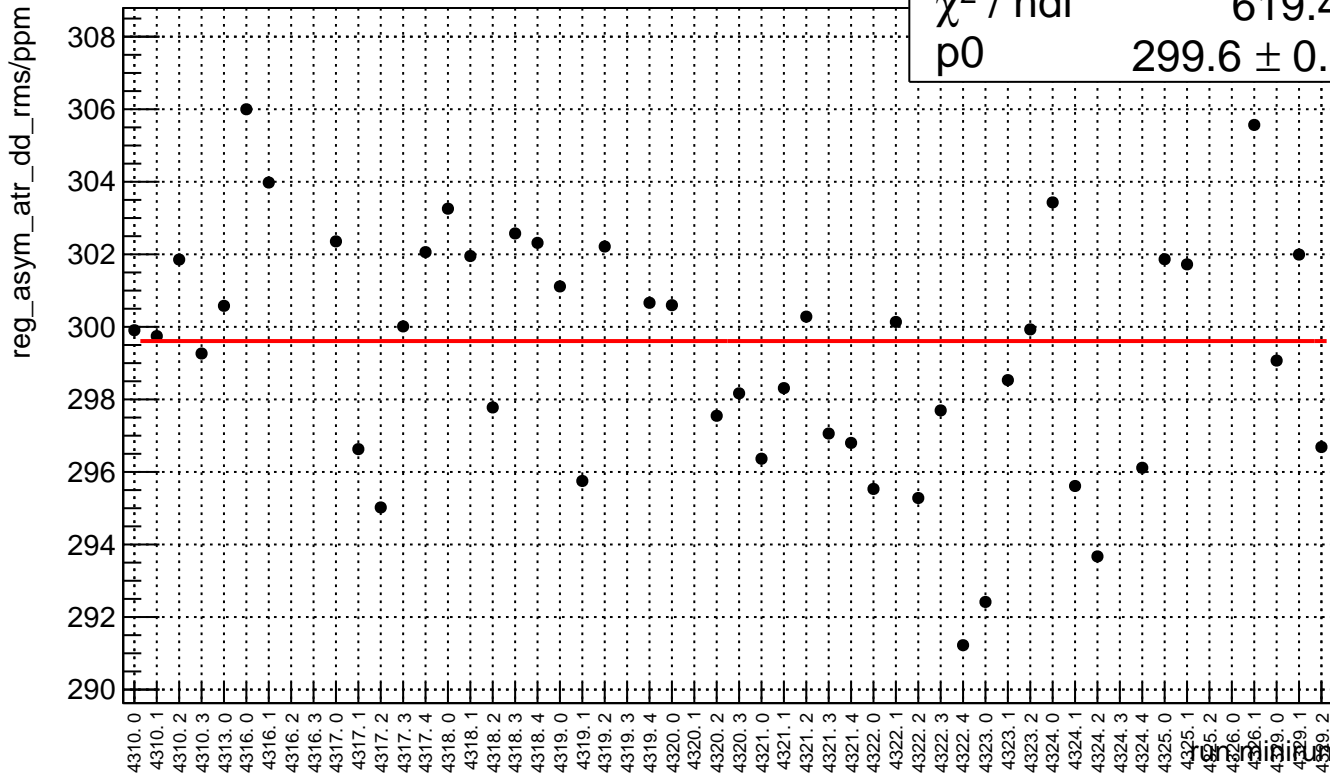
$\chi^2 / \text{ndf}$  38.1 / 48  
p0  $-0.7174 \pm 0.4237$

reg\_asym\_atr\_dd\_mean/ppm



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

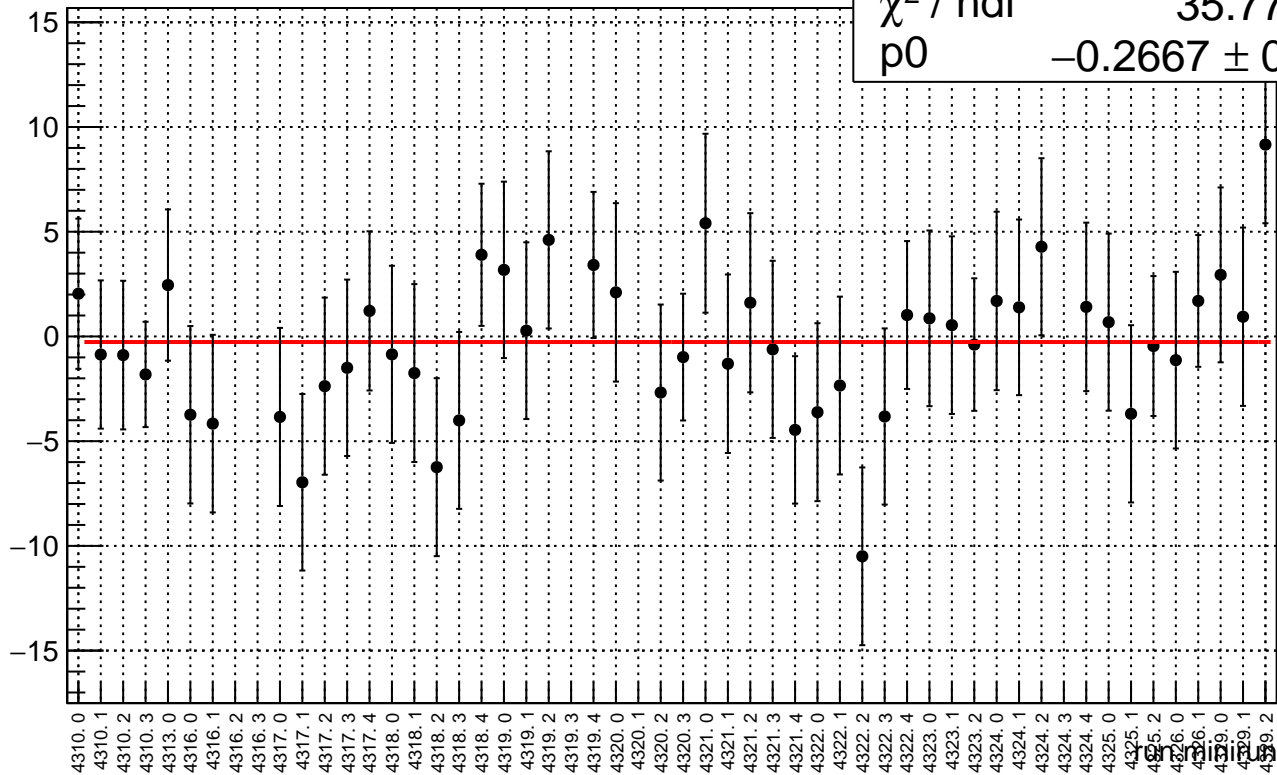
$\chi^2 / \text{ndf}$  619.4 / 48  
 p0 299.6 ± 0.5132





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

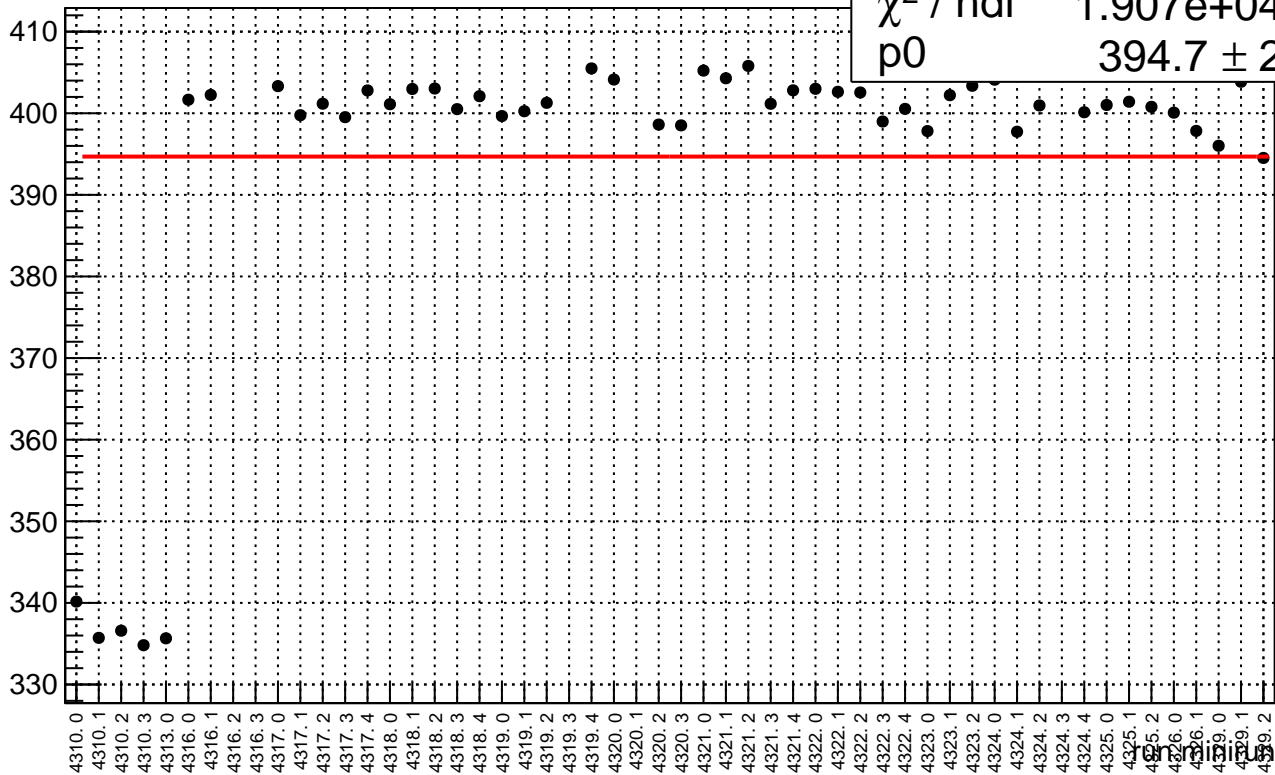
reg\_asym\_at1\_avg\_mean/ppm



$\chi^2 / \text{ndf}$  35.77 / 48  
 p0  $-0.2667 \pm 0.555$

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

reg\_asym\_at1\_avg\_rms/ppm

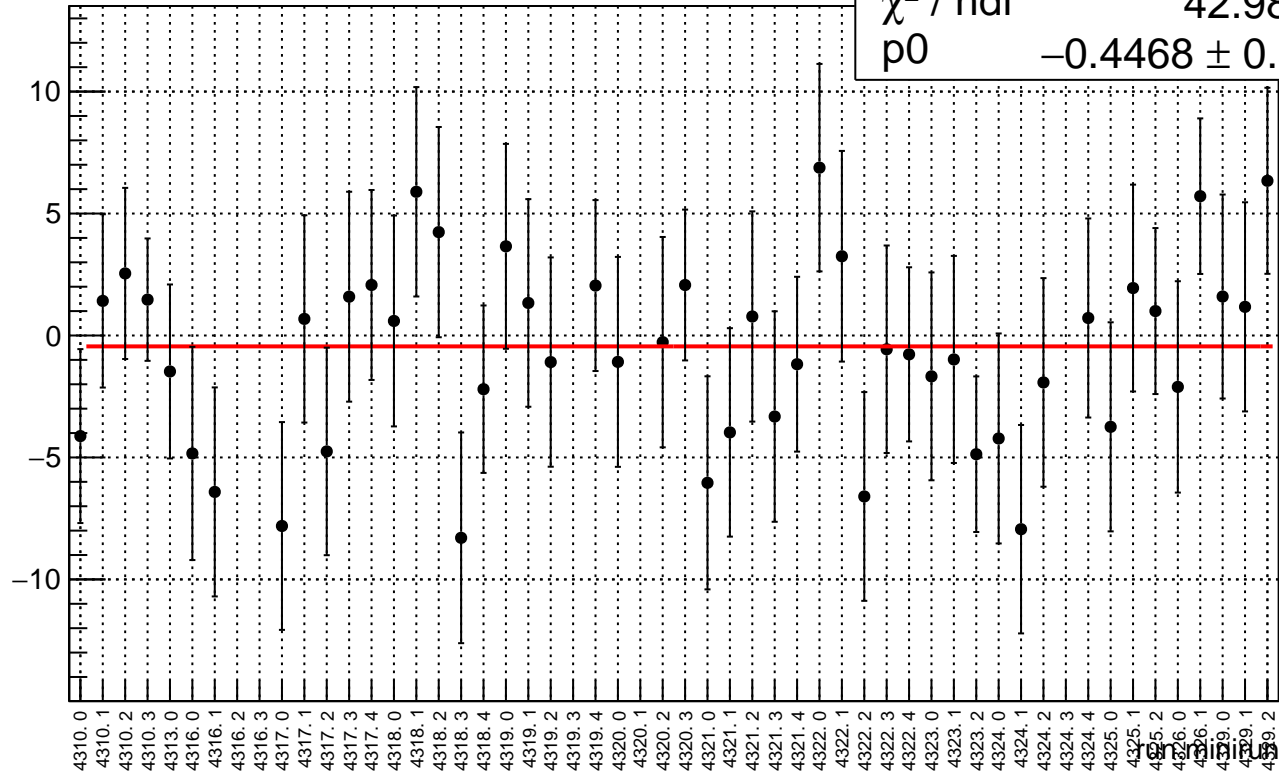


$\chi^2 / \text{ndf}$  1.907e+04 / 48  
 p0 394.7 ± 2.848

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

$\chi^2 / \text{ndf}$  42.98 / 48  
 p0  $-0.4468 \pm 0.5608$

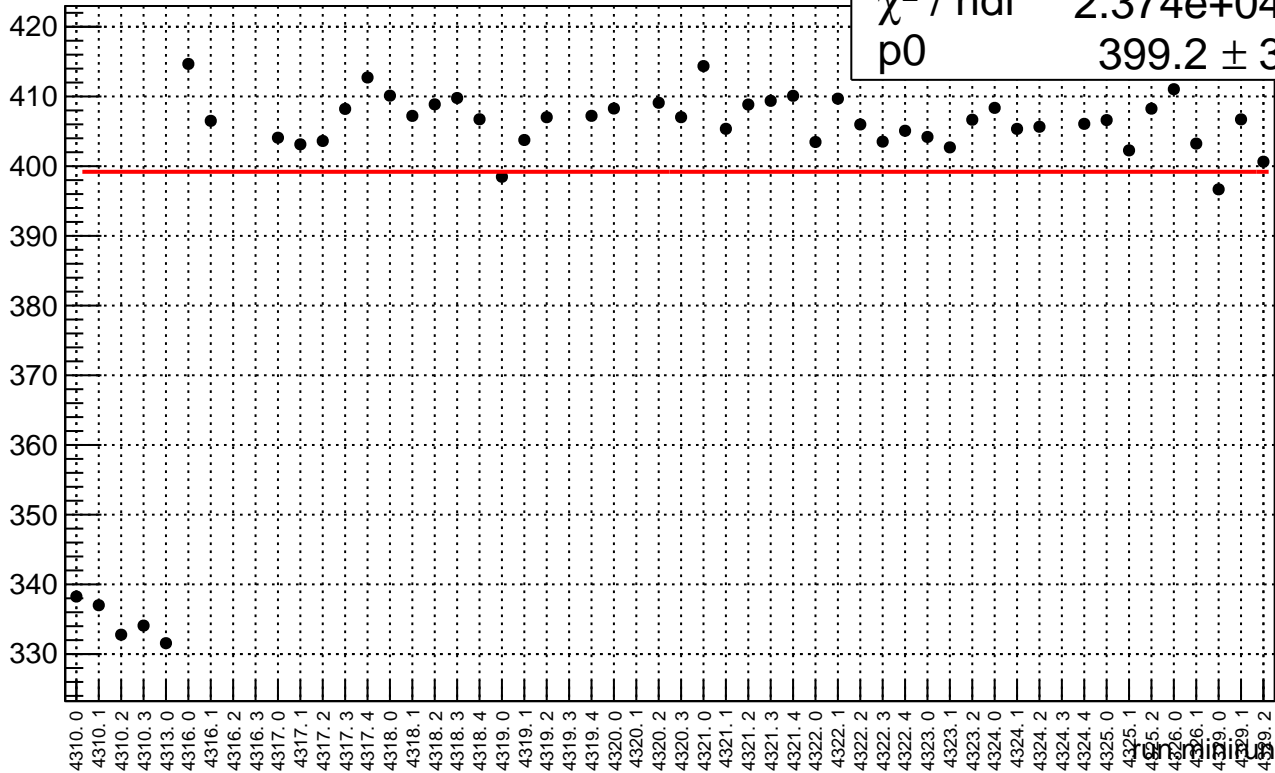
reg\_asym\_at1\_dd\_mean/ppm



reg\_asym\_at1\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  2.374e+04 / 48  
p0 399.2  $\pm$  3.177

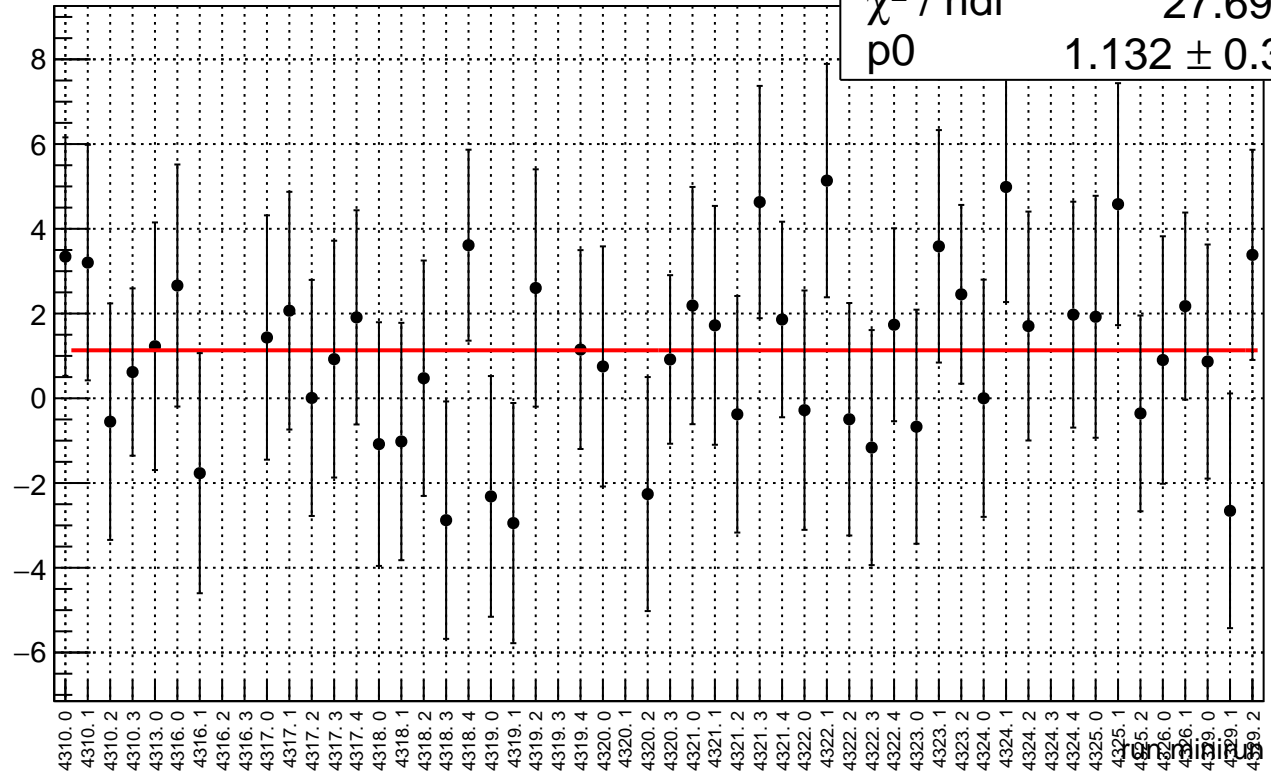
reg\_asym\_at1\_dd\_rms/ppm



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

reg\_asym\_at2\_avg\_mean/ppm

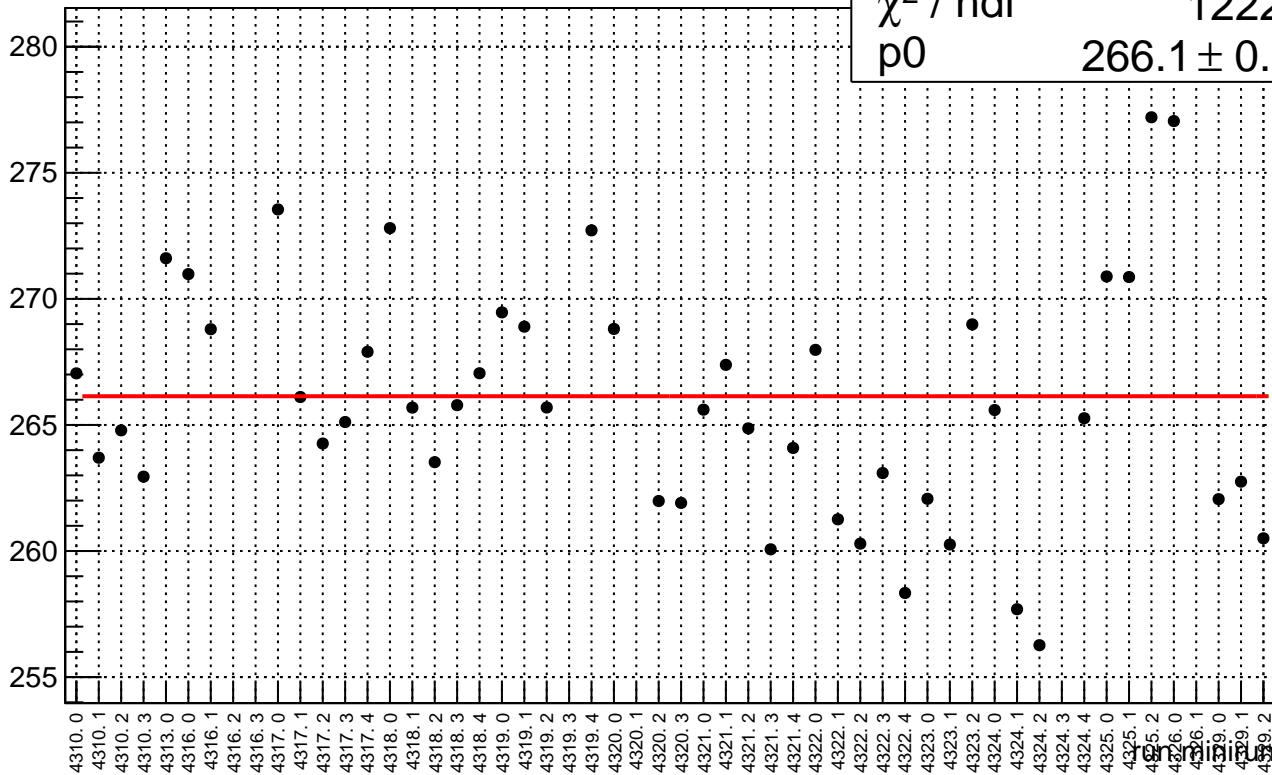
$\chi^2 / \text{ndf}$  27.69 / 48  
 p0 1.132 ± 0.3764



reg\_asym\_at2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  1222 / 48  
p0  $266.1 \pm 0.7208$

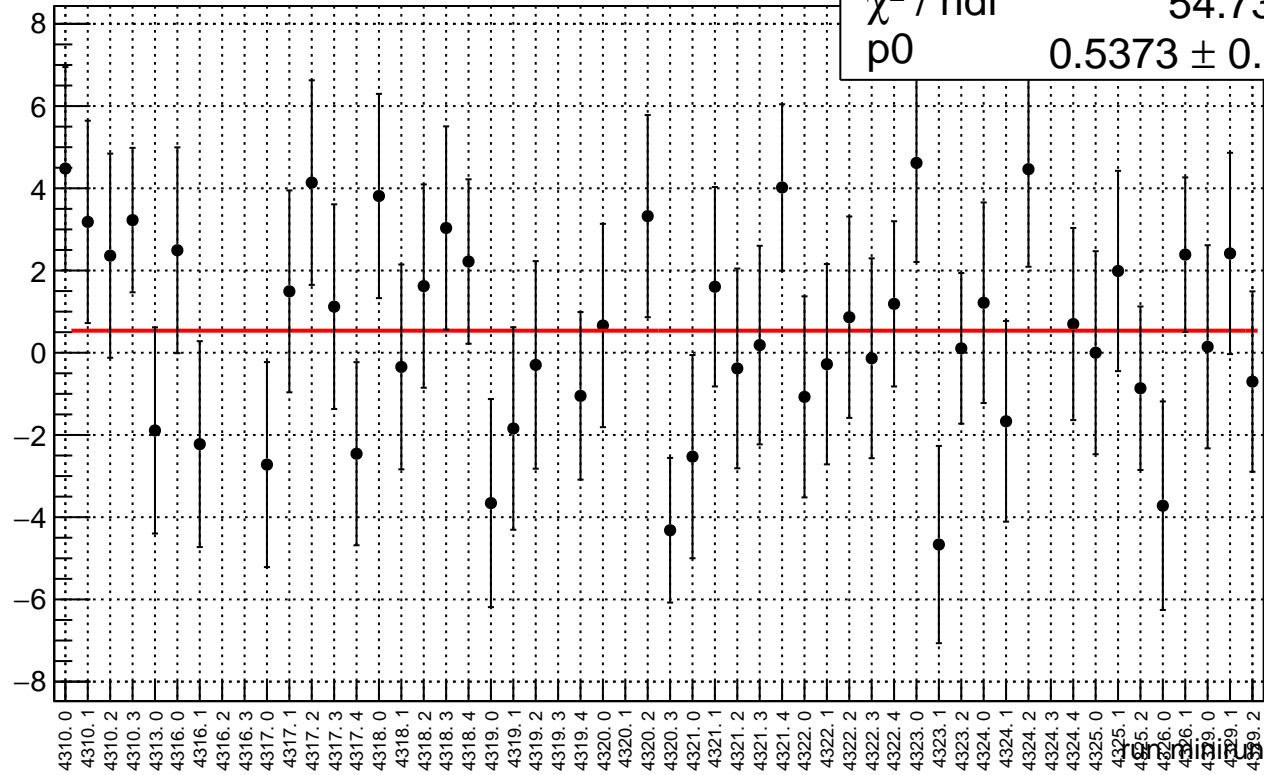
reg\_asym\_at2\_avg\_rms/ppm



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

reg\_asym\_at2\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  54.73 / 48  
 p0  $0.5373 \pm 0.3305$



reg\_asym\_at2\_dd\_rms/ppm

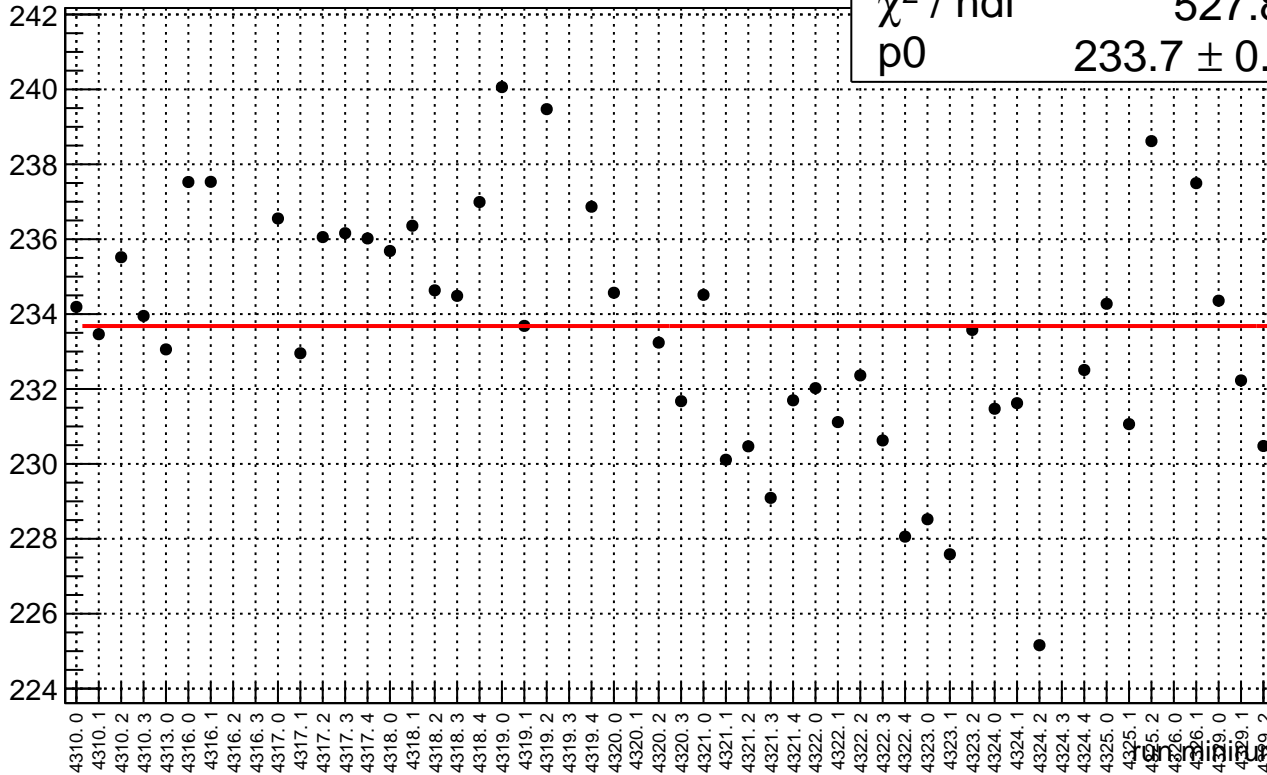
$\chi^2 / \text{ndf}$

527.8 / 48

p0

$233.7 \pm 0.4737$

reg\_asym\_at2\_dd\_rms/ppm

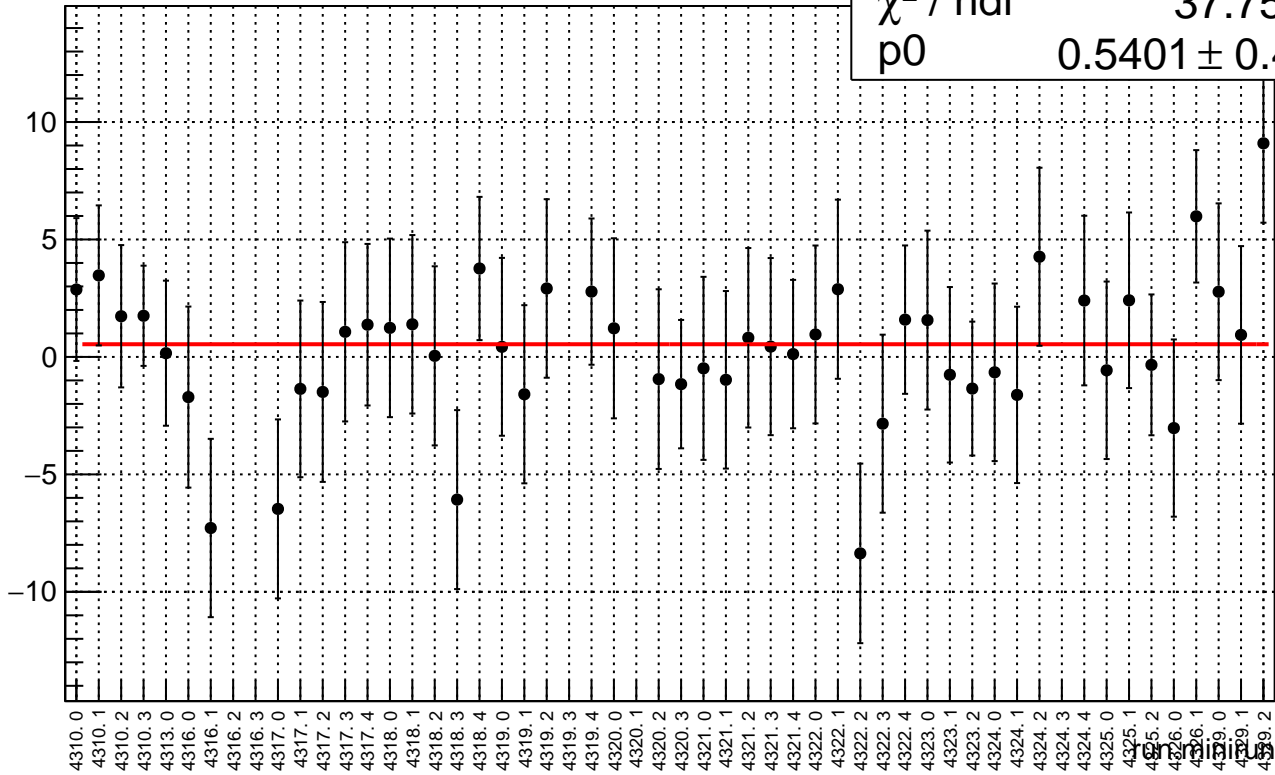




# reg\_asym\_atl1r2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  37.75 / 48  
 p0  $0.5401 \pm 0.4939$

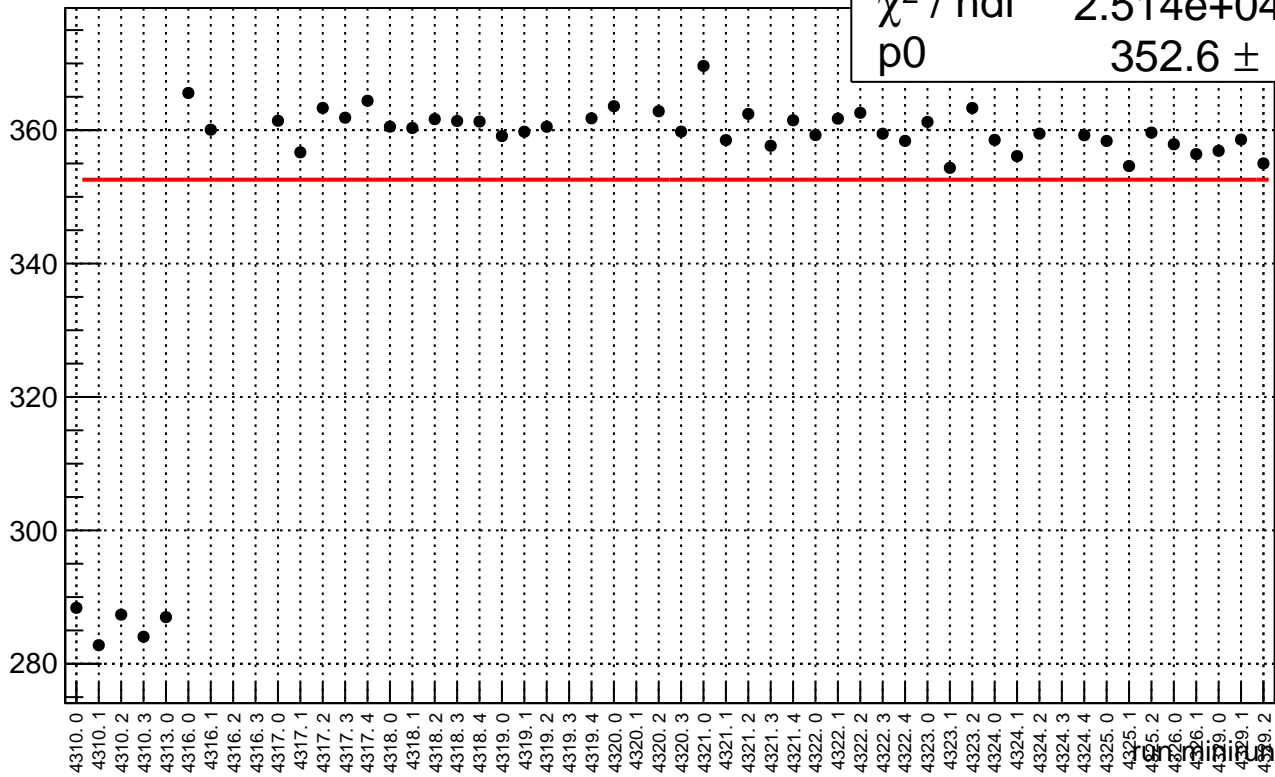
reg\_asym\_atl1r2\_avg\_mean/ppm



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

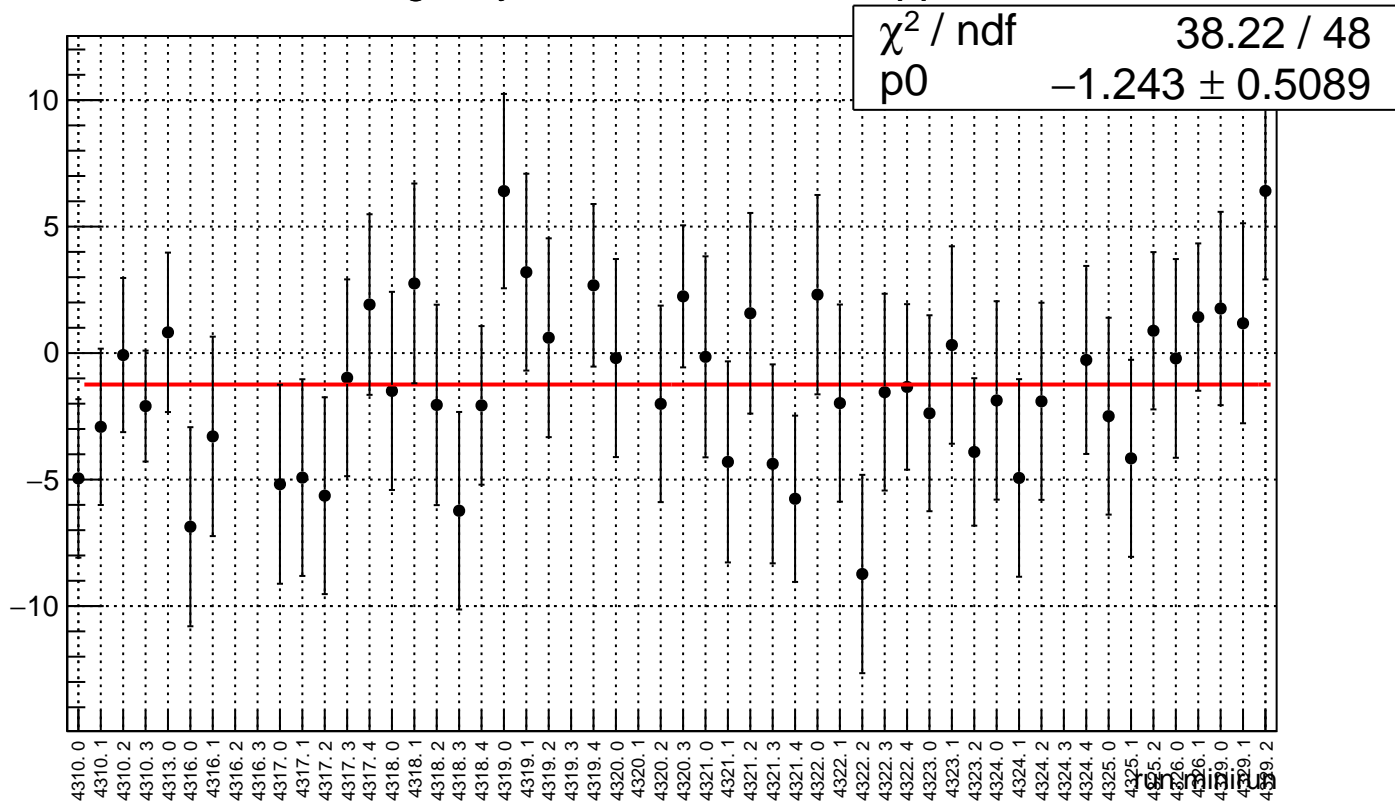
reg\_asym\_atl1r2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  2.514e+04 / 48  
 p0 352.6 ± 3.27



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

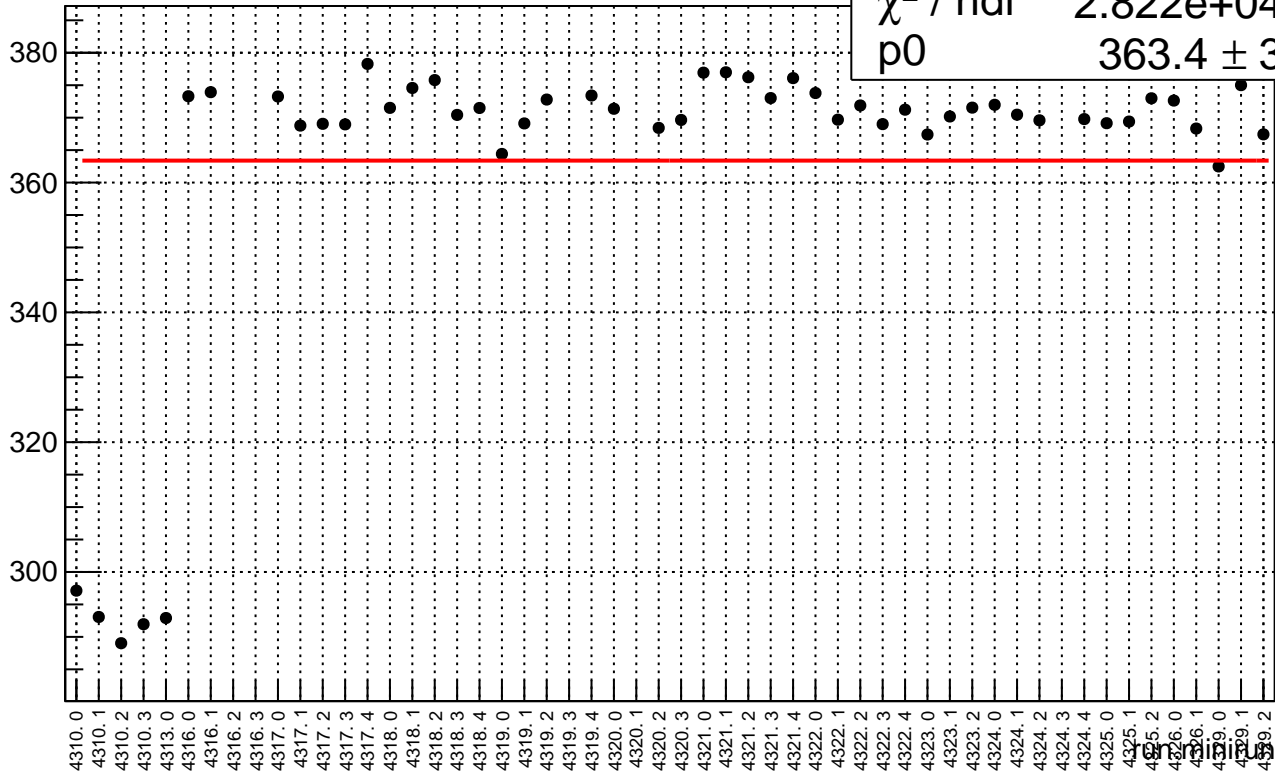
reg\_asym\_atl1r2\_dd\_mean/ppm



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

reg\_asym\_atl1r2\_dd\_rms/ppm

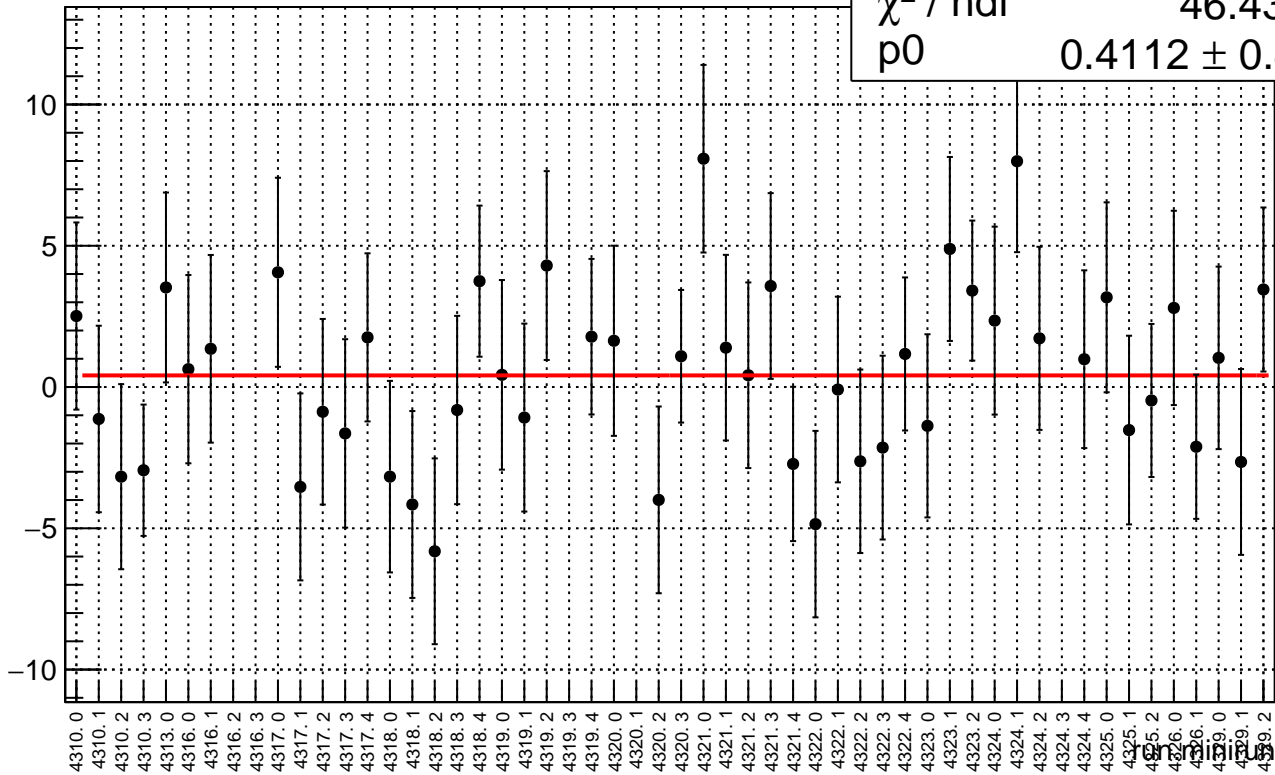
$\chi^2 / \text{ndf}$  2.822e+04 / 48  
 p0 363.4 ± 3.464



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

reg\_asym\_atr1l2\_avg\_mean/ppm

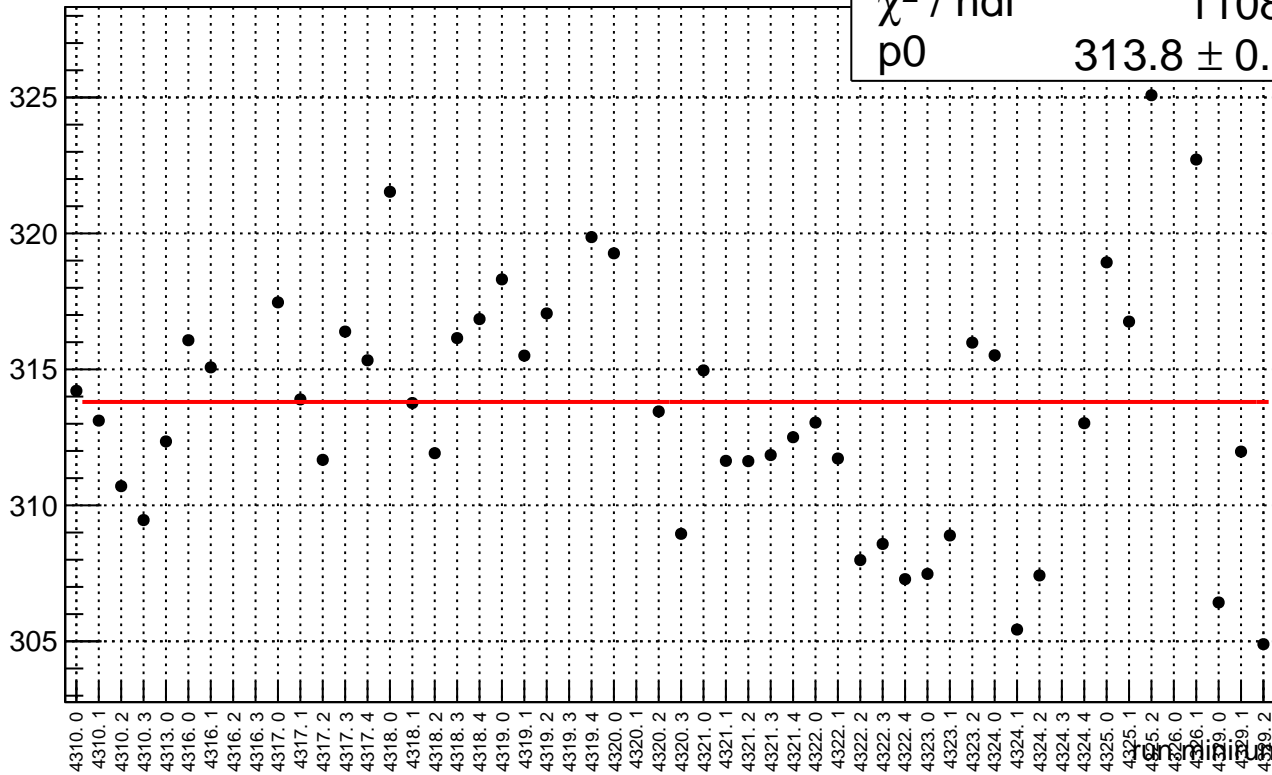
$\chi^2 / \text{ndf}$  46.43 / 48  
 p0  $0.4112 \pm 0.4438$



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

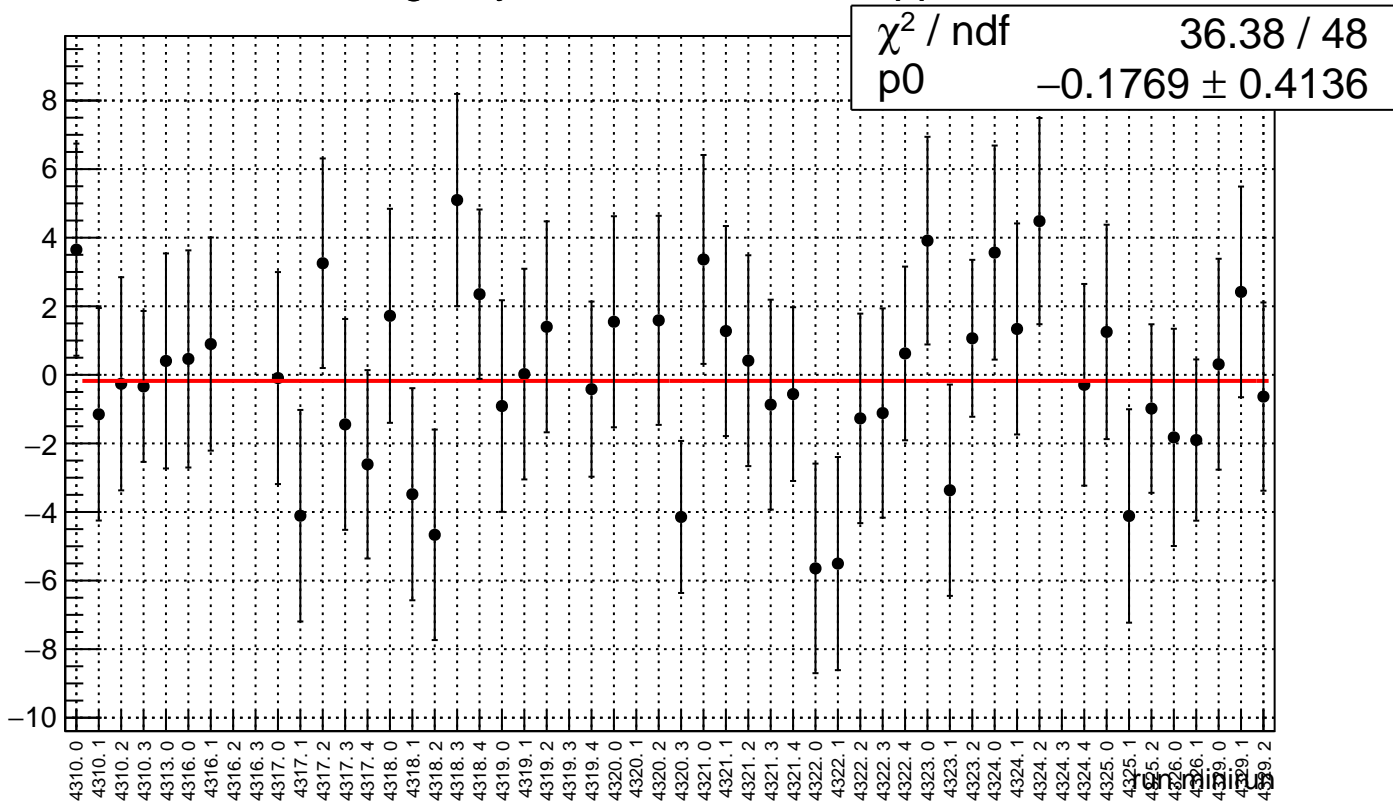
$\chi^2 / \text{ndf}$  1108 / 48  
 p0  $313.8 \pm 0.6862$

reg\_asym\_atr1l2\_avg\_rms/ppm

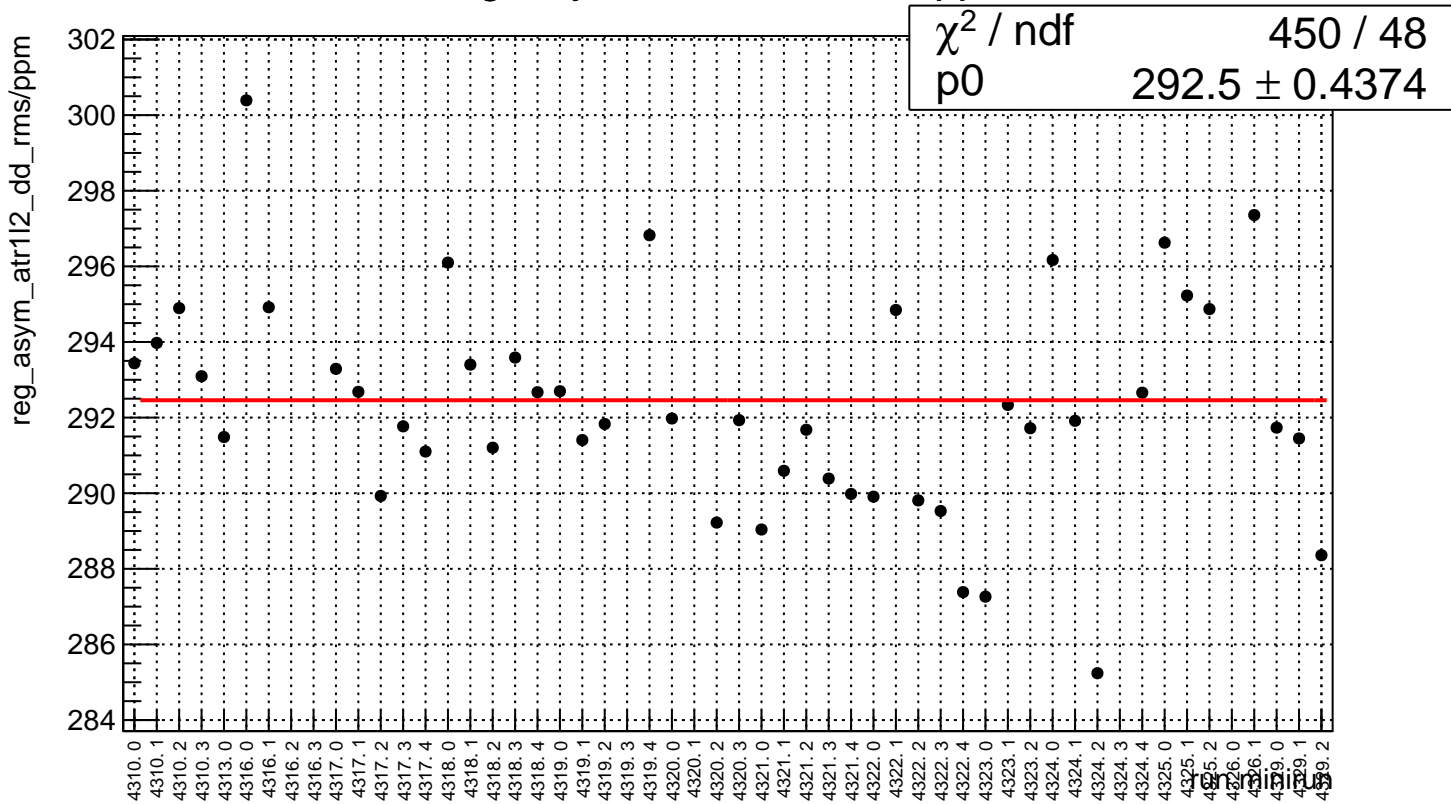


# reg\_asym\_atr1l2\_dd\_mean/ppm

reg\_asym\_atr1l2\_dd\_mean/ppm



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

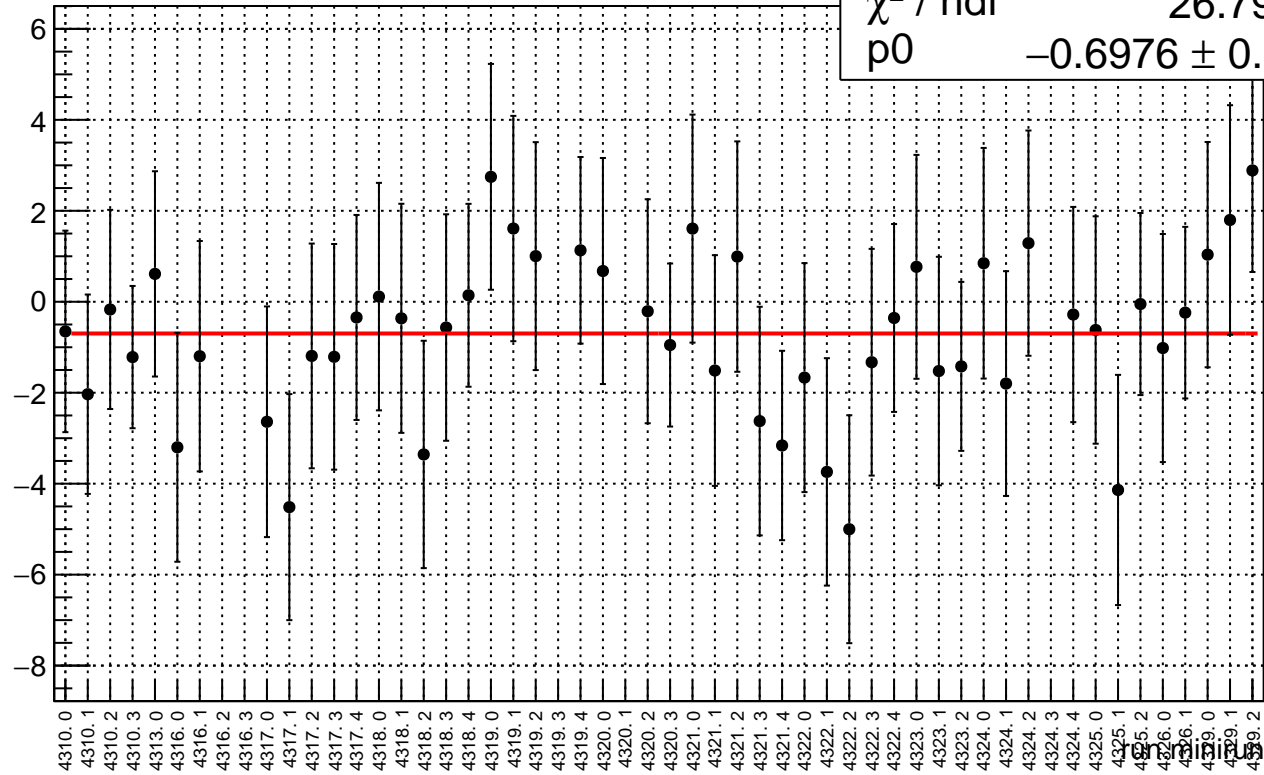




# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

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

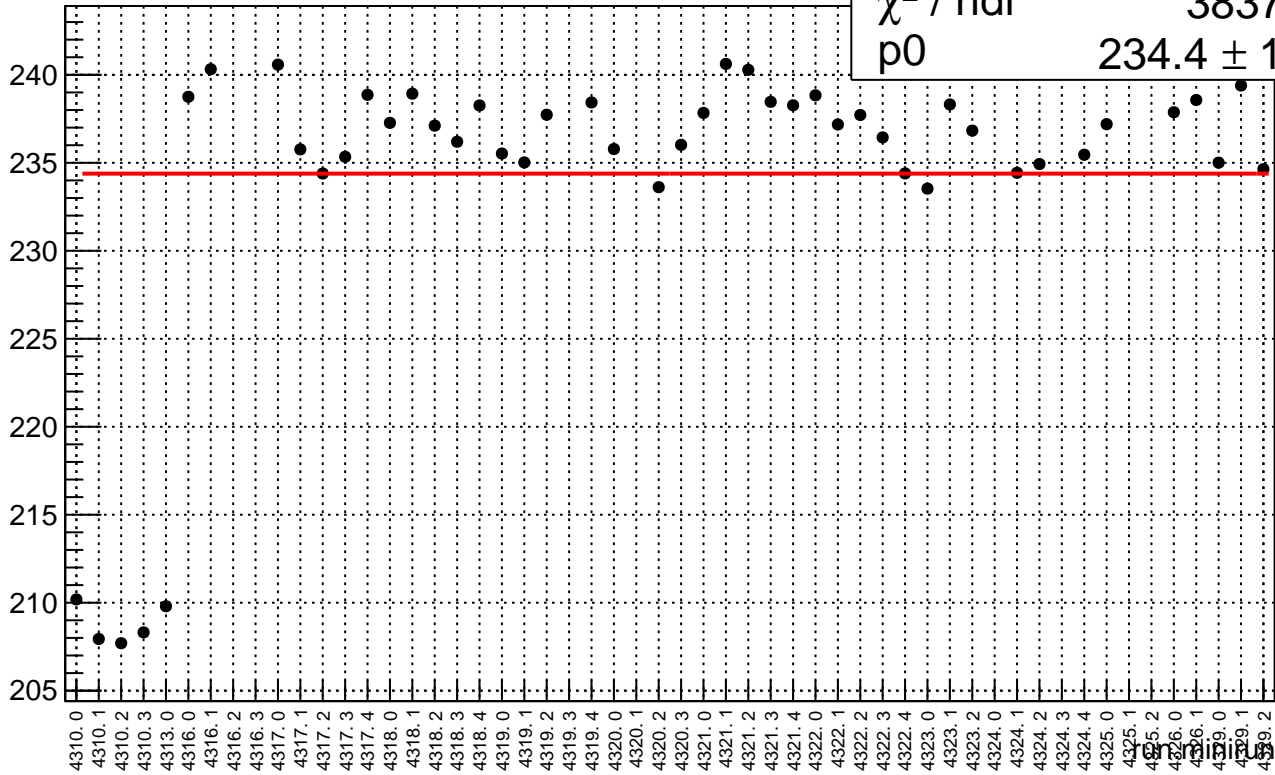
$\chi^2 / \text{ndf}$  26.79 / 48  
 p0  $-0.6976 \pm 0.3304$



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

$\chi^2 / \text{ndf}$  3837 / 48  
p0  $234.4 \pm 1.277$

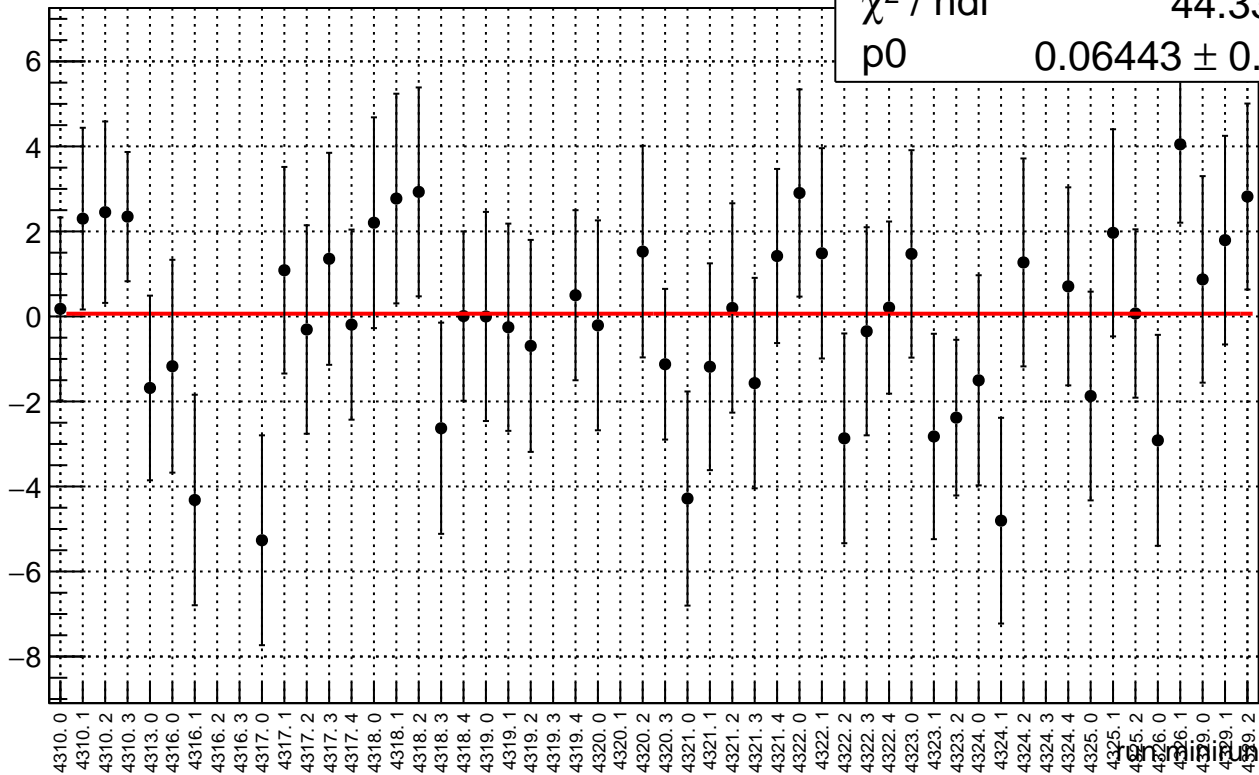
reg\_asym\_atl\_dd\_atr\_dd\_avg\_rms/ppm



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

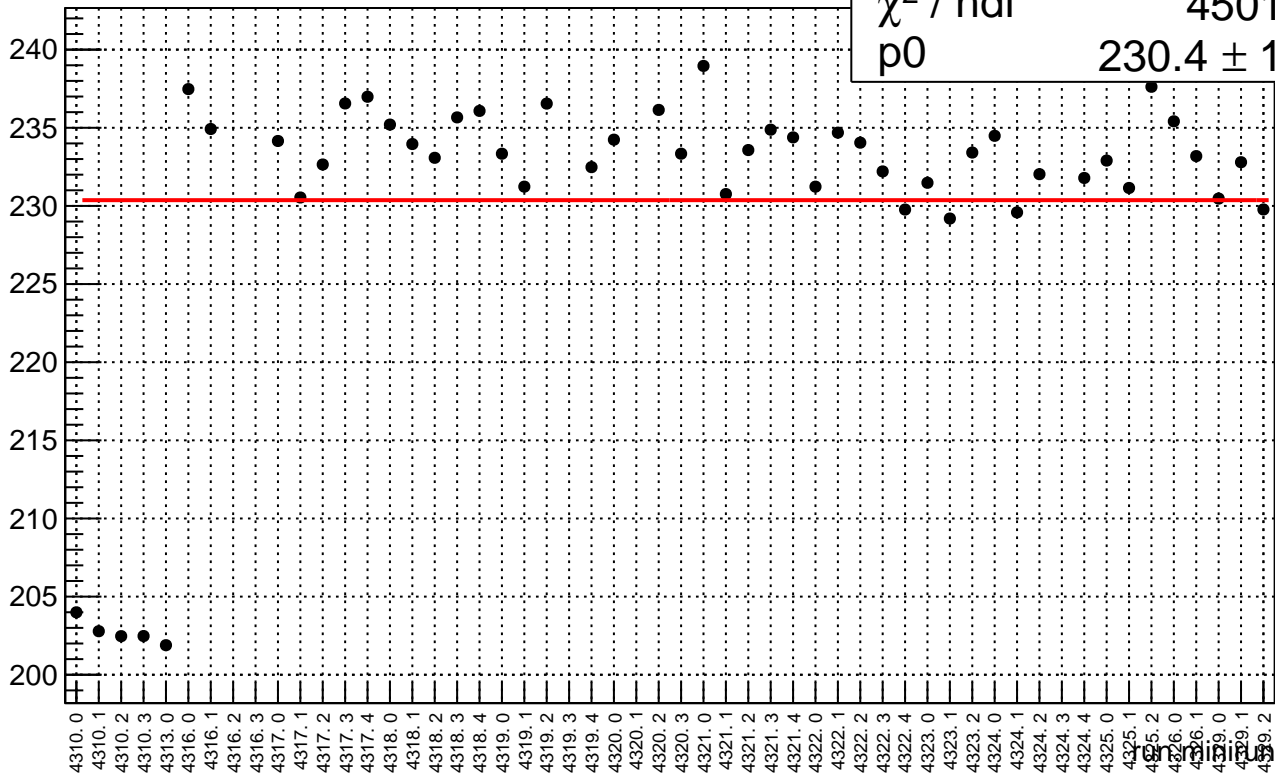
$\chi^2 / \text{ndf}$  44.33 / 48  
p0 0.06443 ± 0.3246

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



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

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

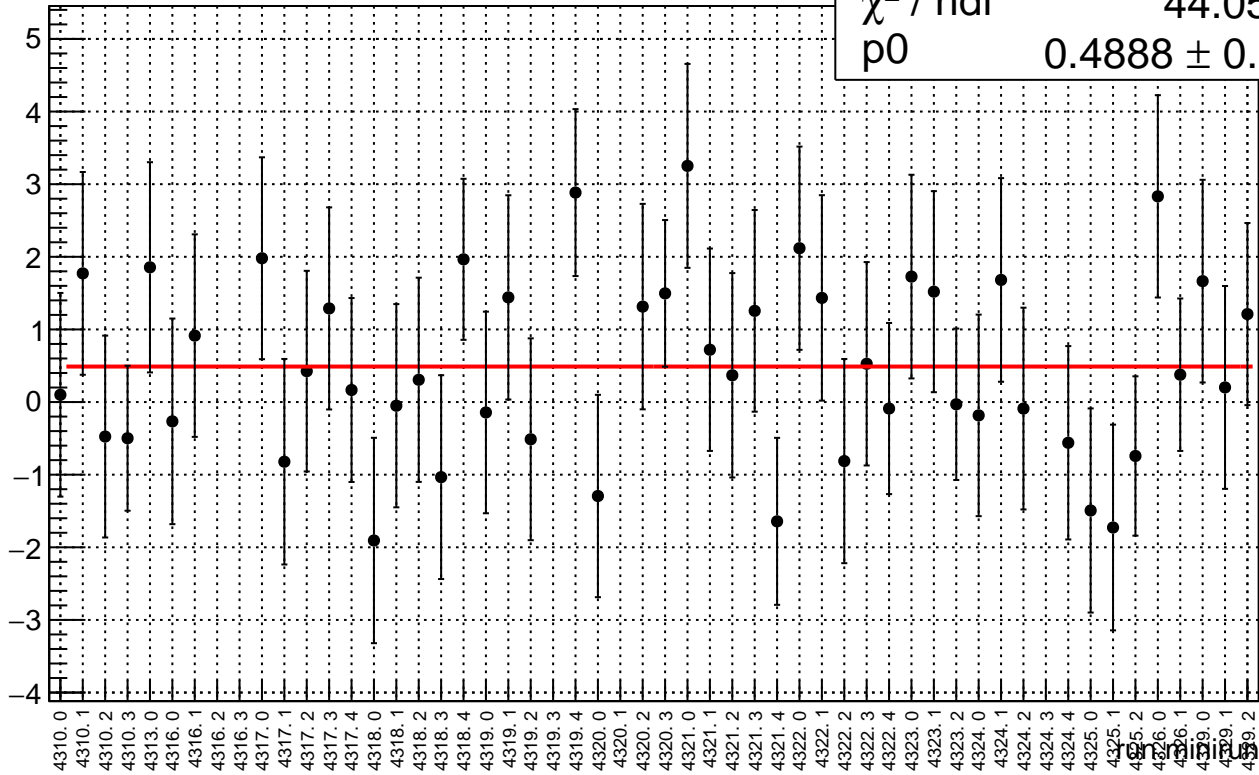


$\chi^2 / \text{ndf}$  4501 / 48  
 $p_0$   $230.4 \pm 1.383$

reg\_asym\_usl\_mean/ppm

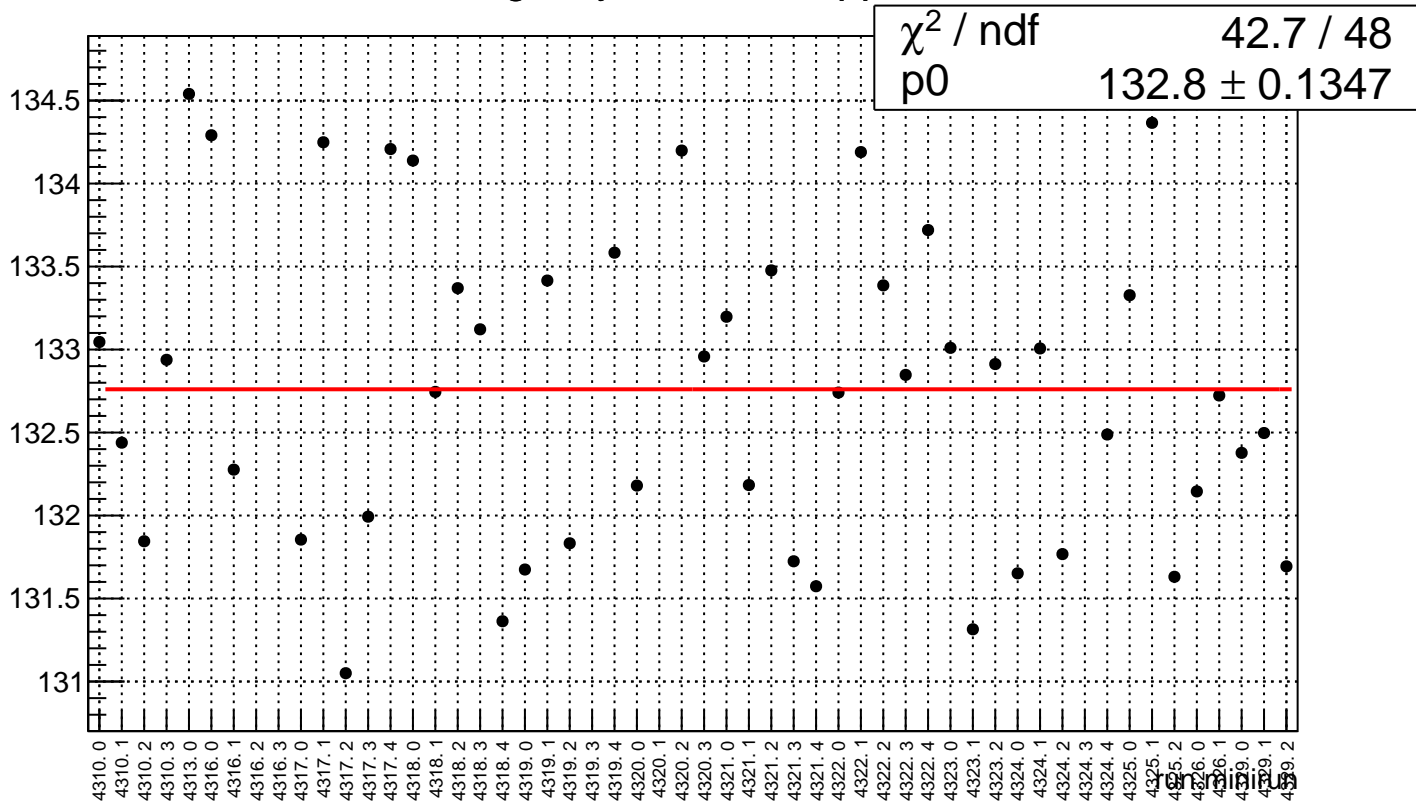
$\chi^2 / \text{ndf}$  44.05 / 48  
 $p_0$   $0.4888 \pm 0.1877$

reg\_asym\_usl\_mean/ppm



# reg\_asym\_usl\_rms/ppm

reg\_asym\_usl\_rms/ppm

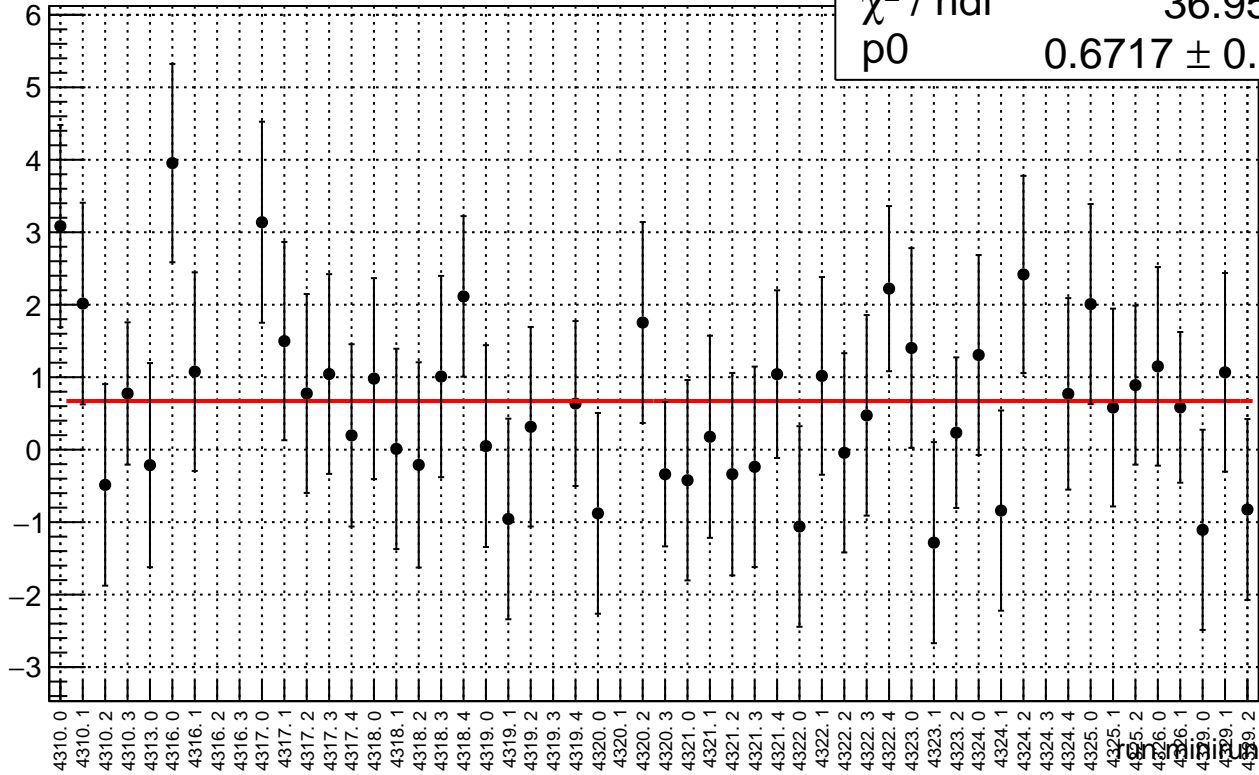


reg\_asym\_usr\_mean/ppm

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

36.95 / 48  
 $0.6717 \pm 0.1855$

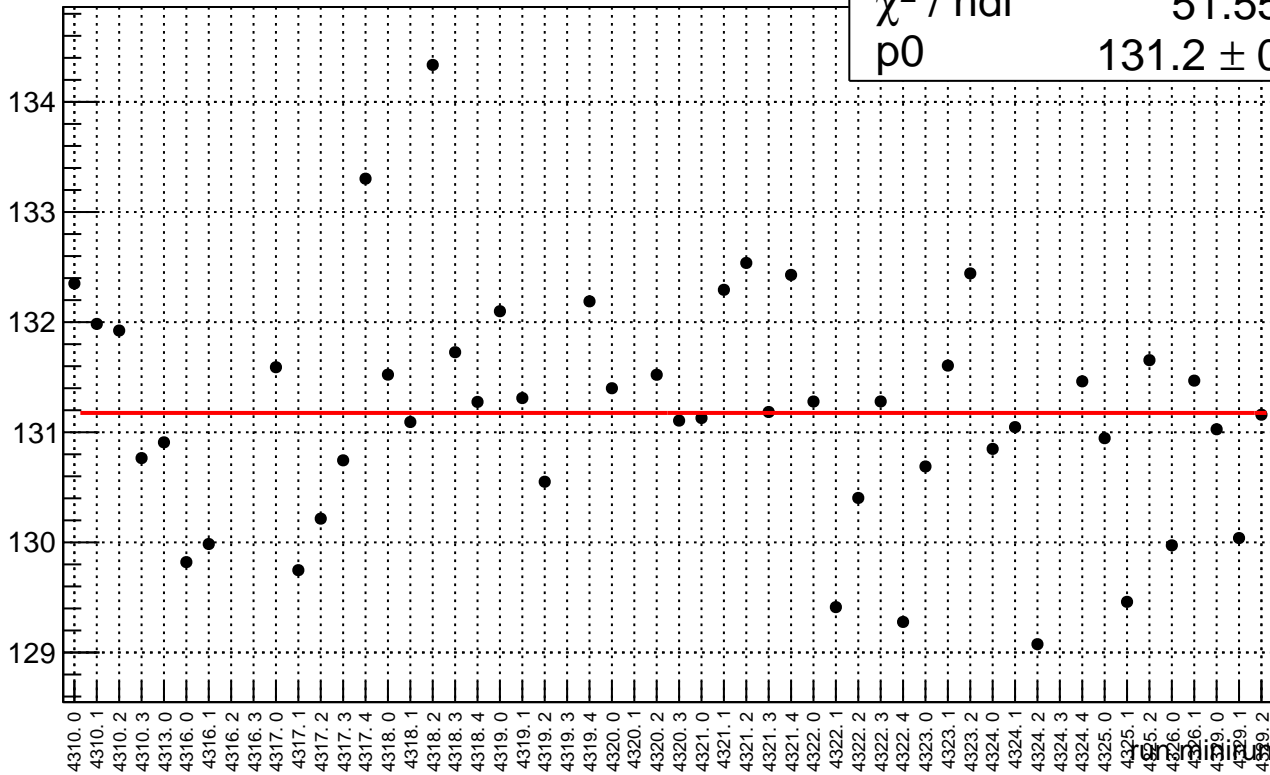
reg\_asym\_usr\_mean/ppm



reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  51.55 / 48  
p0 131.2  $\pm$  0.148

reg\_asym\_usr\_rms/ppm





reg\_asym\_us\_avg\_mean/ppm

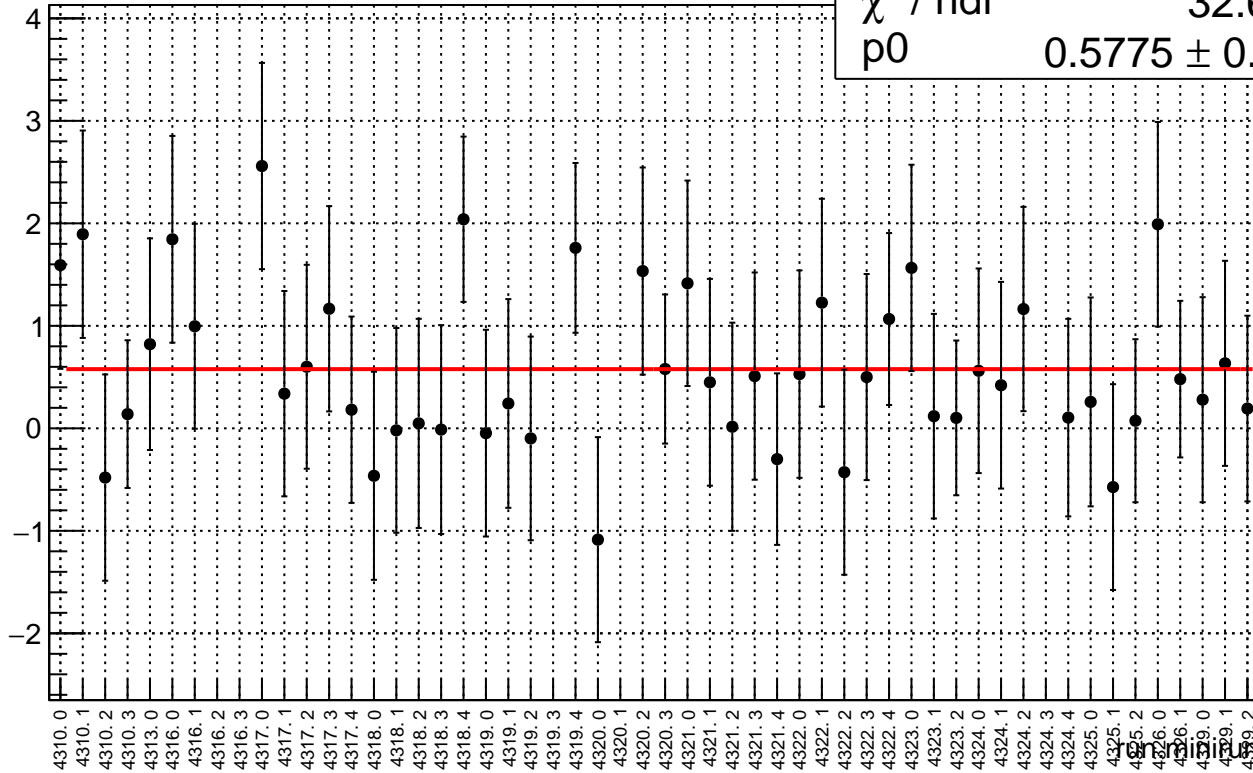
$\chi^2 / \text{ndf}$

32.6 / 48

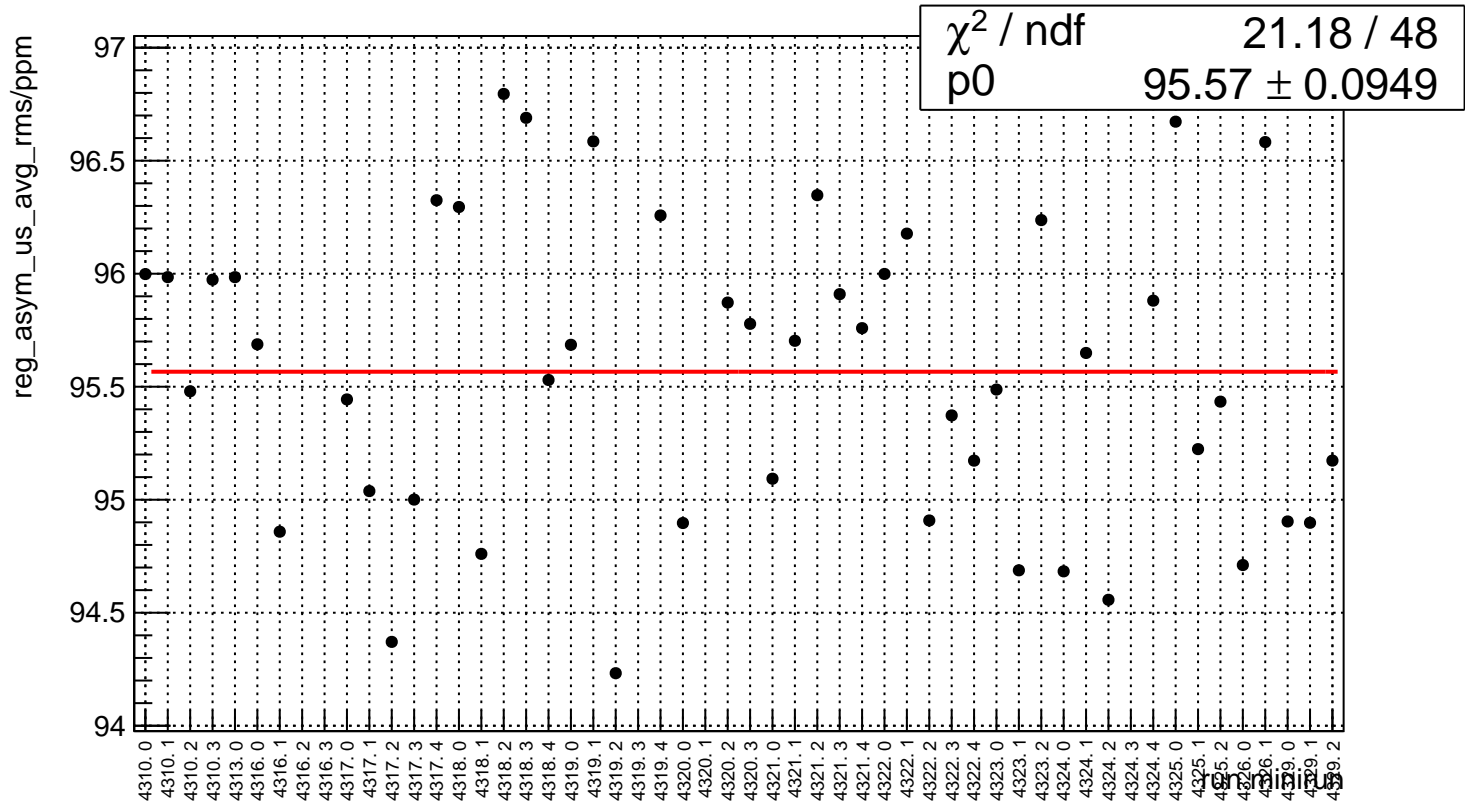
p0

$0.5775 \pm 0.1352$

reg\_asym\_us\_avg\_mean/ppm



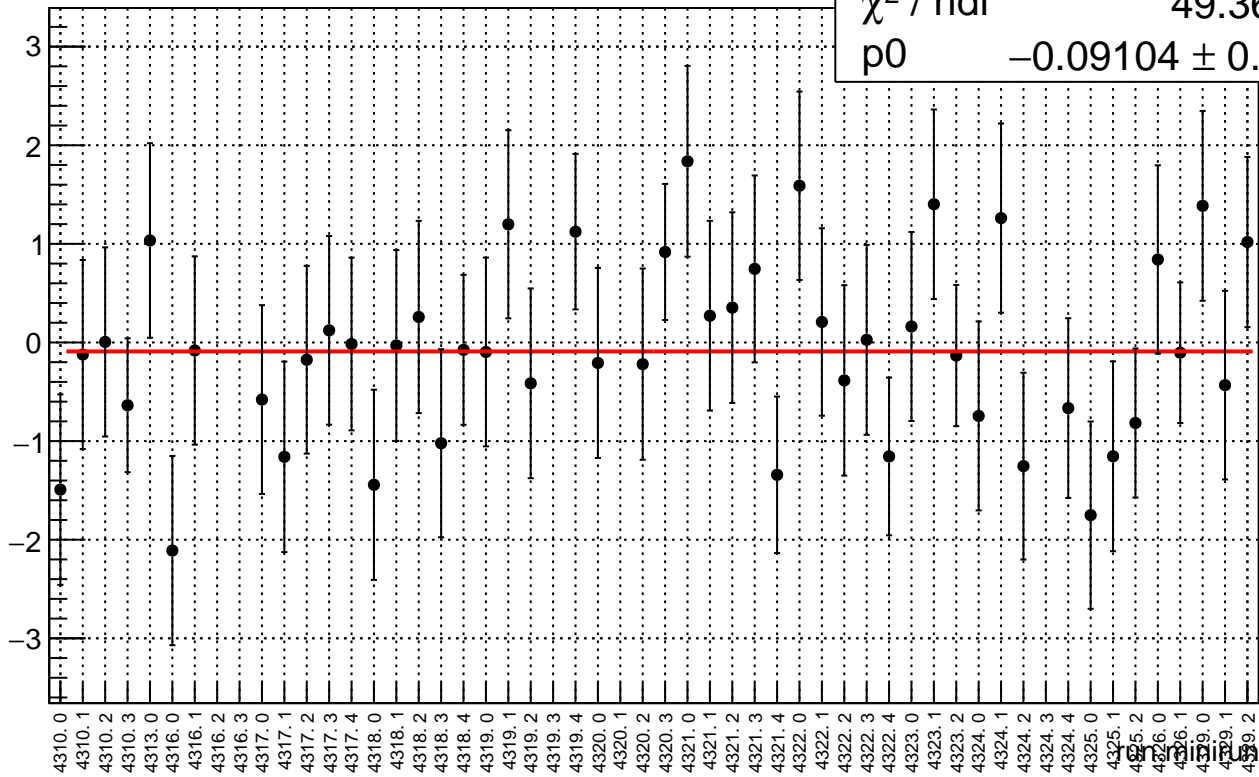
# reg\_asym\_us\_avg\_rms/ppm



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

reg\_asym\_us\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  49.36 / 48  
 p0  $-0.09104 \pm 0.1287$



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

reg\_asym\_us\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  19.33 / 48  
 p0  $91.01 \pm 0.09065$

