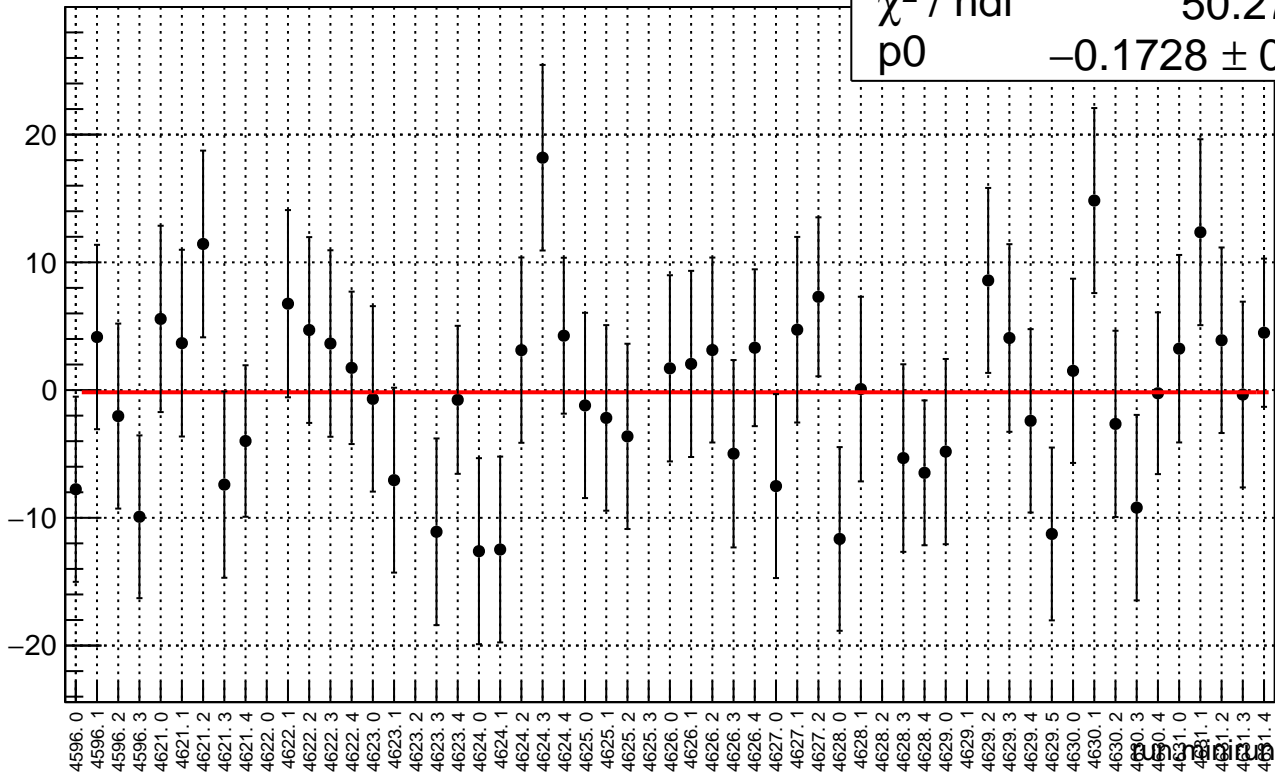


reg\_asym\_atl1\_mean/ppm

$\chi^2 / \text{ndf}$  50.27 / 51  
p0  $-0.1728 \pm 0.965$

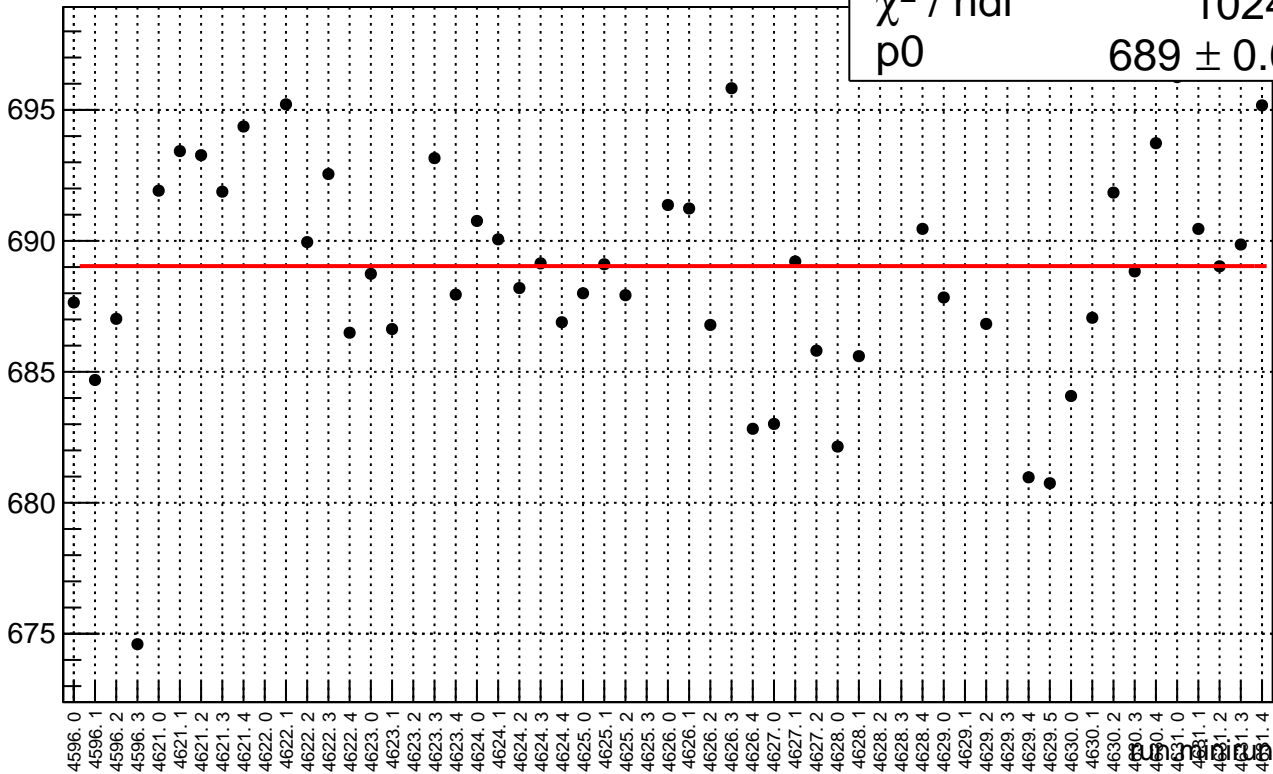
reg\_asym\_atl1\_mean/ppm



# reg\_asym\_atl1\_rms/ppm

reg\_asym\_atl1\_rms/ppm

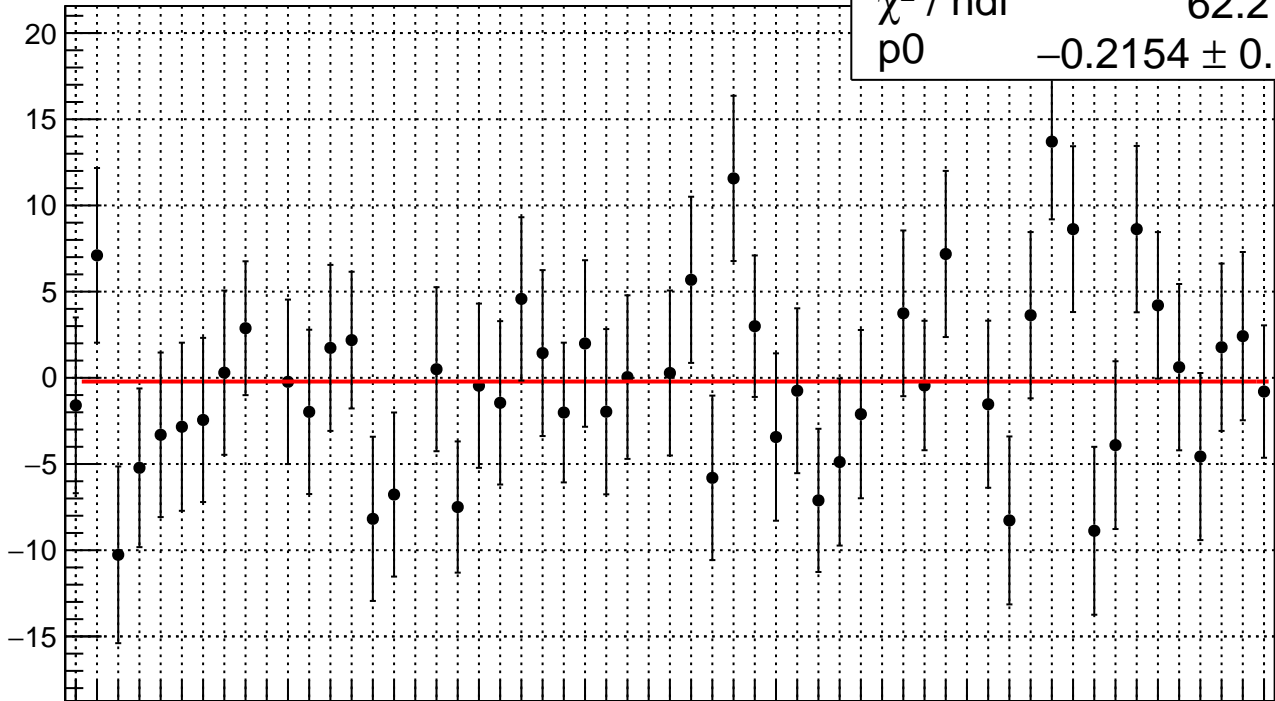
$\chi^2 / \text{ndf}$  1024 / 51  
 p0  $689 \pm 0.6213$



# reg\_asym\_atl2\_mean/ppm

$\chi^2 / \text{ndf}$  62.27 / 51  
 p0  $-0.2154 \pm 0.6418$

reg\_asym\_atl2\_mean/ppm

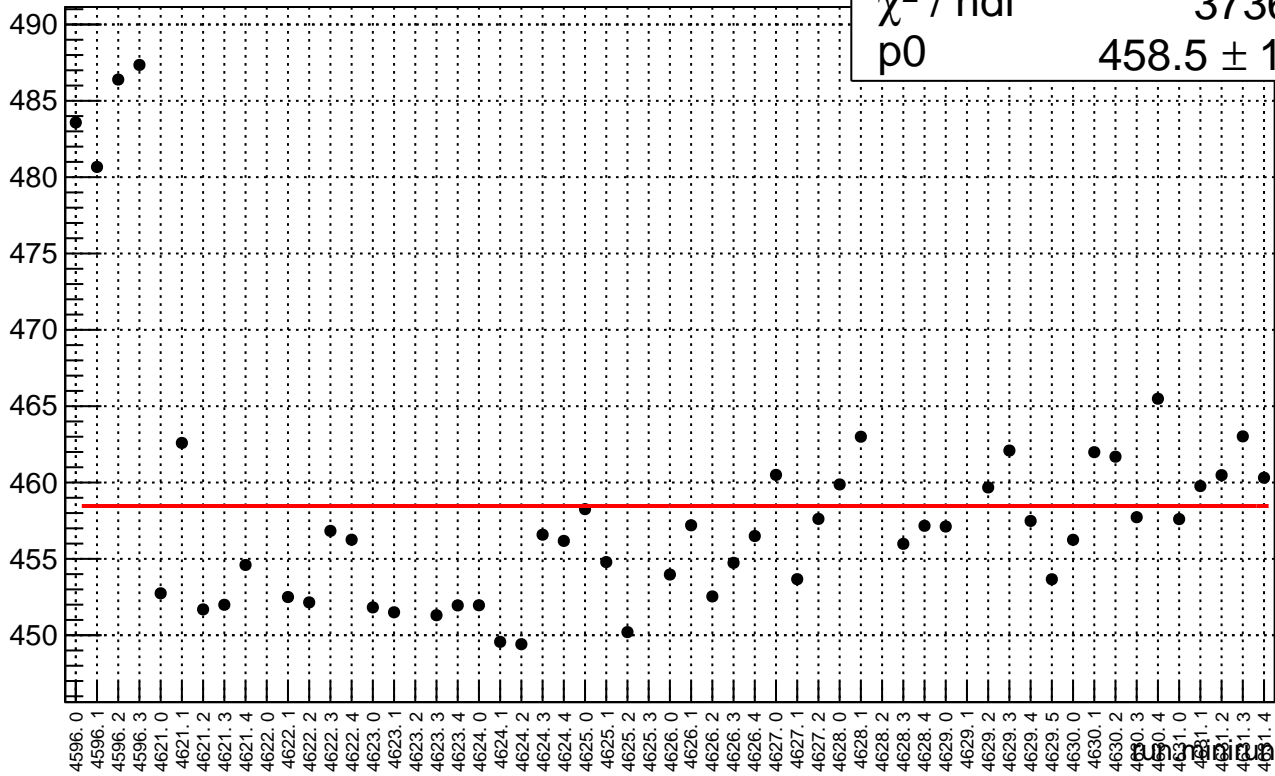


4596.0  
4596.1  
4596.2  
4596.3  
4621.0  
4621.1  
4621.2  
4621.3  
4621.4  
4622.0  
4622.1  
4622.2  
4622.3  
4622.4  
4623.0  
4623.1  
4623.2  
4623.3  
4623.4  
4624.0  
4624.1  
4624.2  
4624.3  
4624.4  
4625.0  
4625.1  
4625.2  
4625.3  
4626.0  
4626.1  
4626.2  
4626.3  
4626.4  
4627.0  
4627.1  
4627.2  
4628.0  
4628.1  
4628.2  
4628.3  
4628.4  
4629.0  
4629.1  
4629.2  
4629.3  
4629.4  
4629.5  
4630.0  
4630.1  
4630.2  
4630.3  
4630.4  
4631.0  
4631.1  
4631.2  
4631.3  
4631.4

# reg\_asym\_atl2\_rms/ppm

reg\_asym\_atl2\_rms/ppm

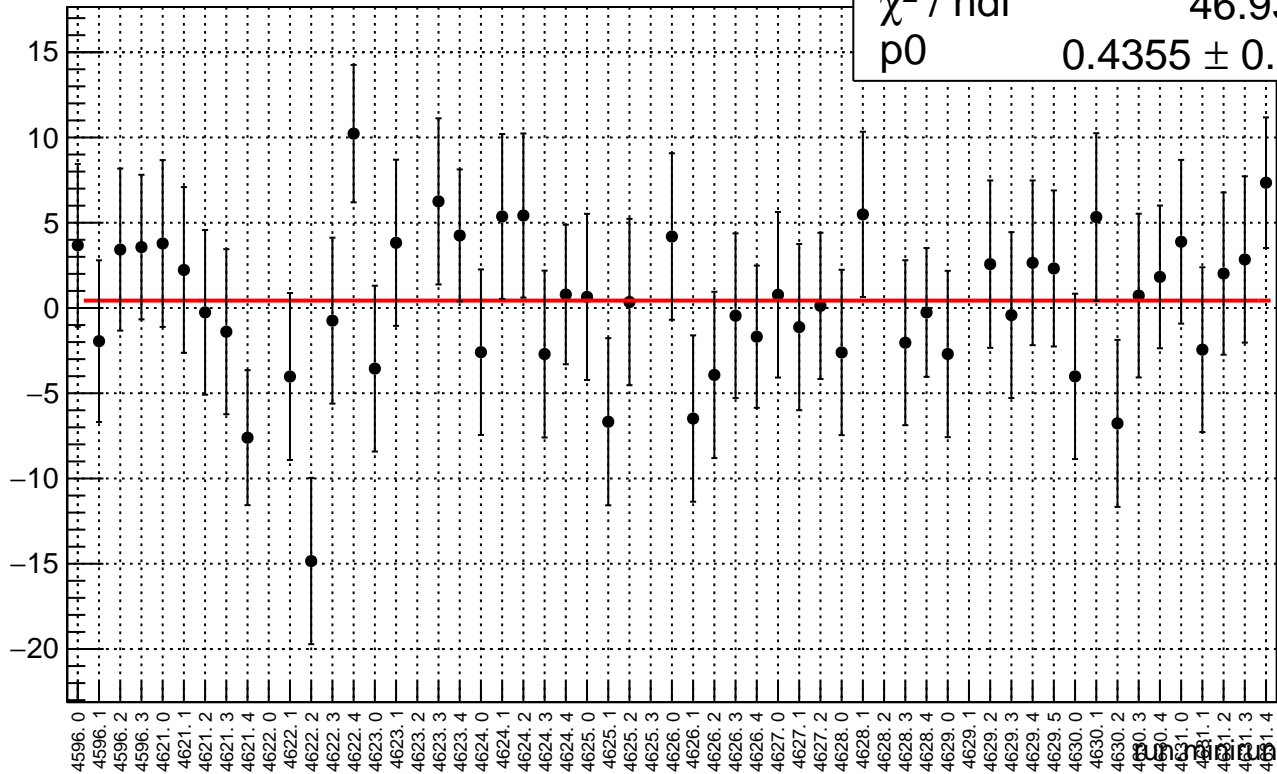
$\chi^2 / \text{ndf}$  3736 / 51  
 p0  $458.5 \pm 1.187$



reg\_asym\_atr1\_mean/ppm

$\chi^2 / \text{ndf}$  46.93 / 51  
p0 0.4355 ± 0.6449

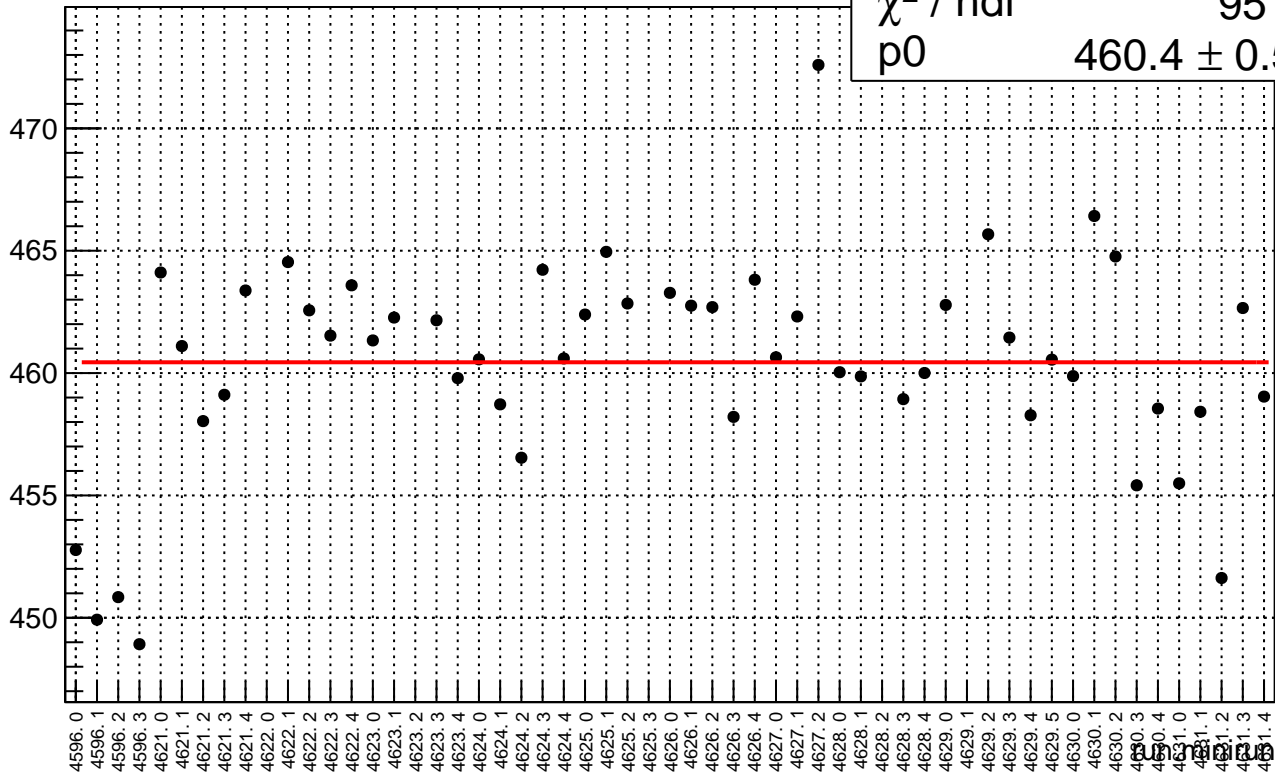
reg\_asym\_atr1\_mean/ppm



# reg\_asym\_atr1\_rms/ppm

reg\_asym\_atr1\_rms/ppm

$\chi^2 / \text{ndf}$  951 / 51  
 p0 460.4 ± 0.5988

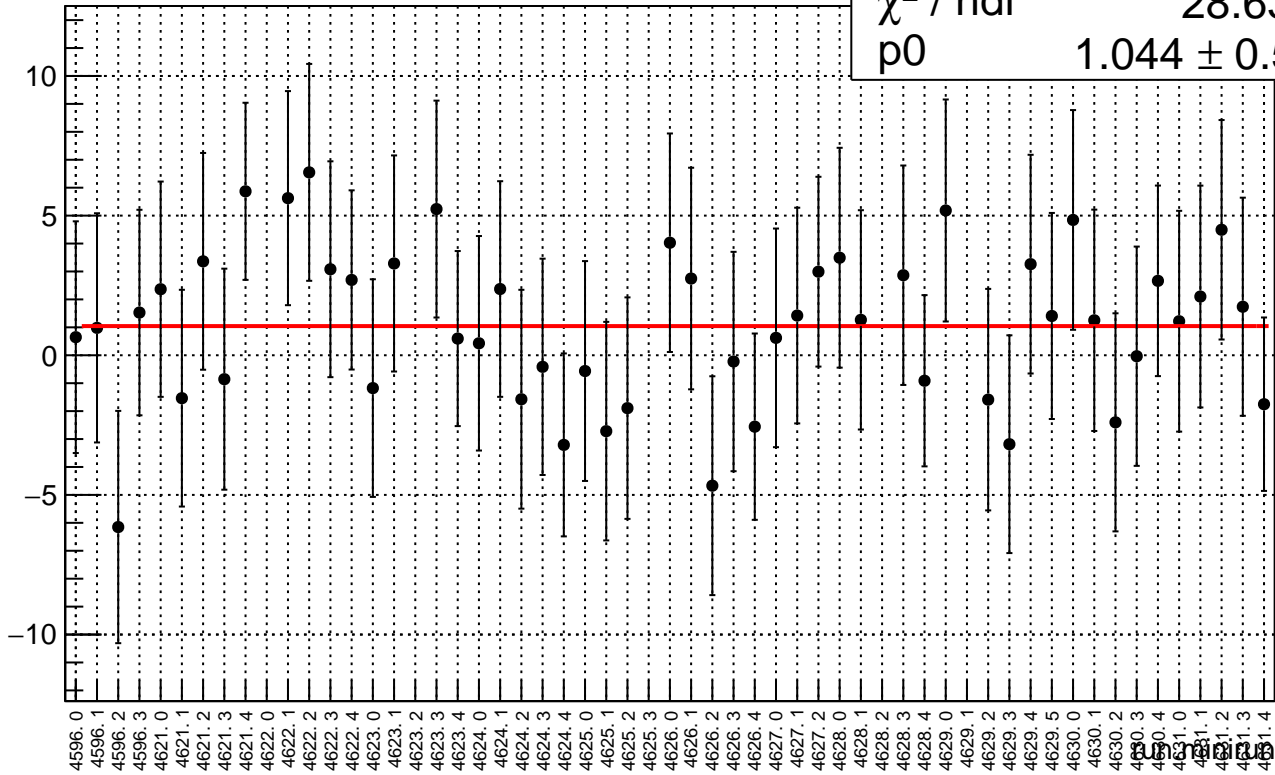


summed

reg\_asym\_atr2\_mean/ppm

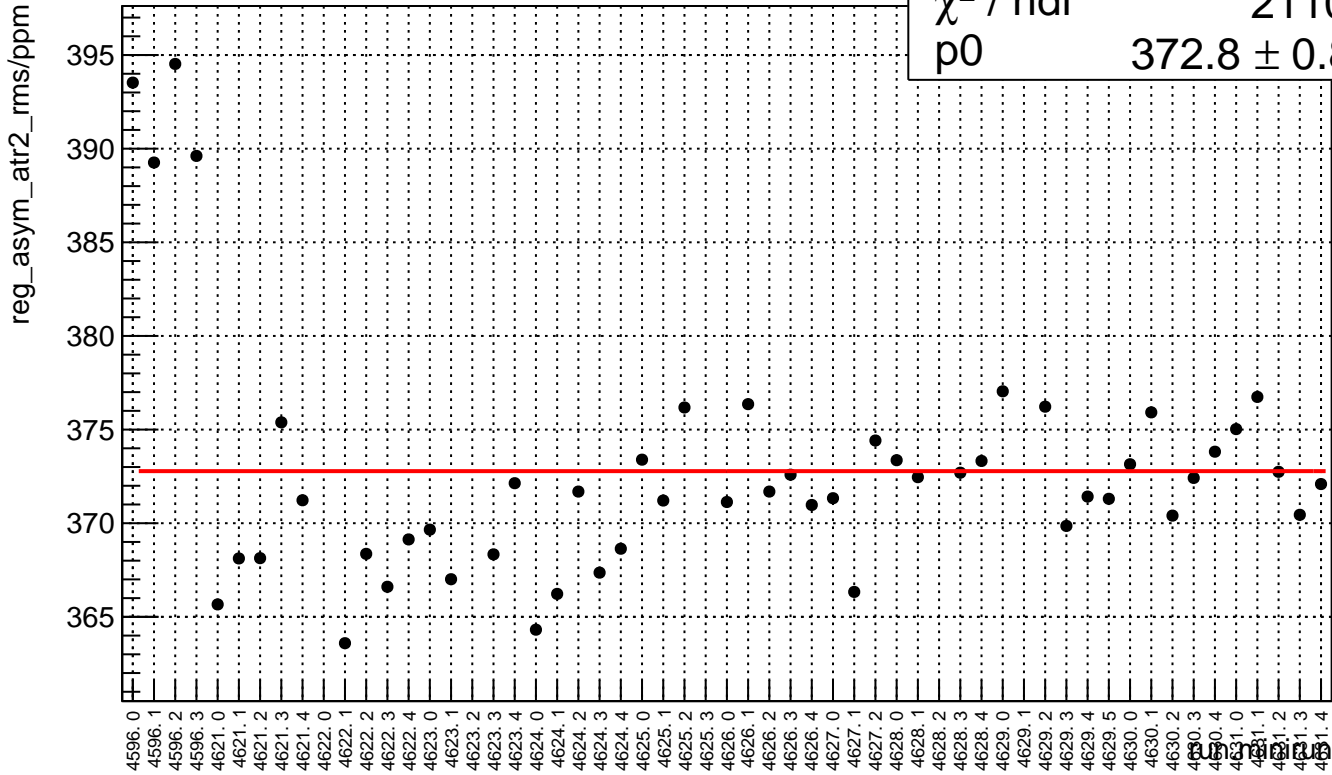
$\chi^2 / \text{ndf}$  28.63 / 51  
p0 1.044 ± 0.5219

reg\_asym\_atr2\_mean/ppm



# reg\_asym\_atr2\_rms/ppm

$\chi^2 / \text{ndf}$  2110 / 51  
 p0  $372.8 \pm 0.8919$

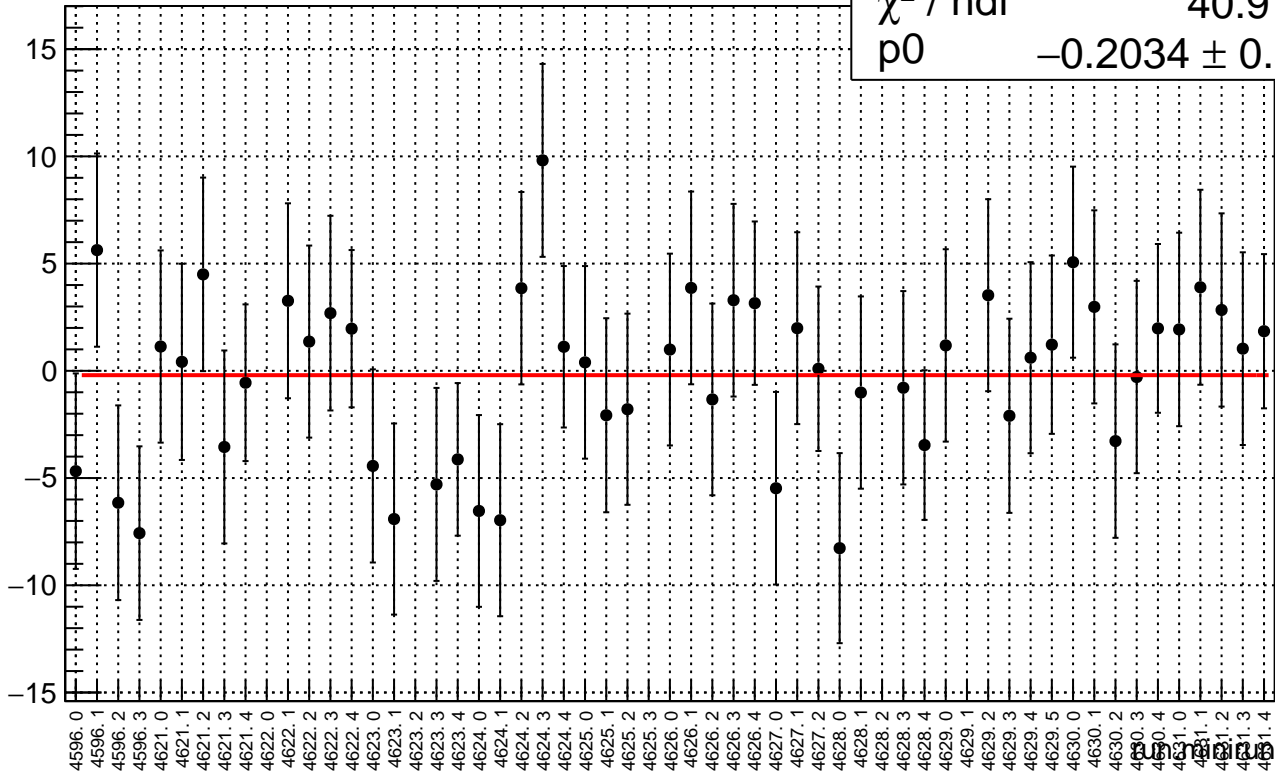




# reg\_asym\_atl\_avg\_mean/ppm

reg\_asym\_atl\_avg\_mean/ppm

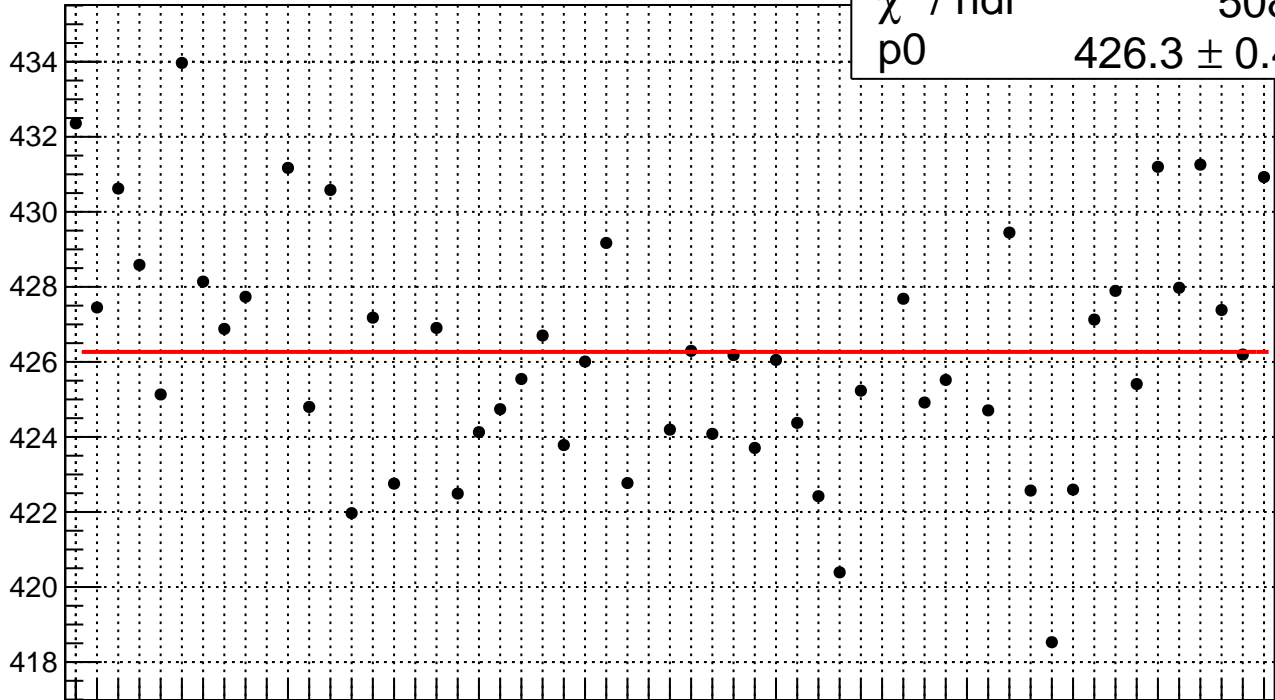
$\chi^2 / \text{ndf}$  40.91 / 51  
 $p_0$   $-0.2034 \pm 0.5969$



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

$\chi^2 / \text{ndf}$  508 / 51  
 p0  $426.3 \pm 0.4377$

reg\_asym\_atl\_avg\_rms/ppm

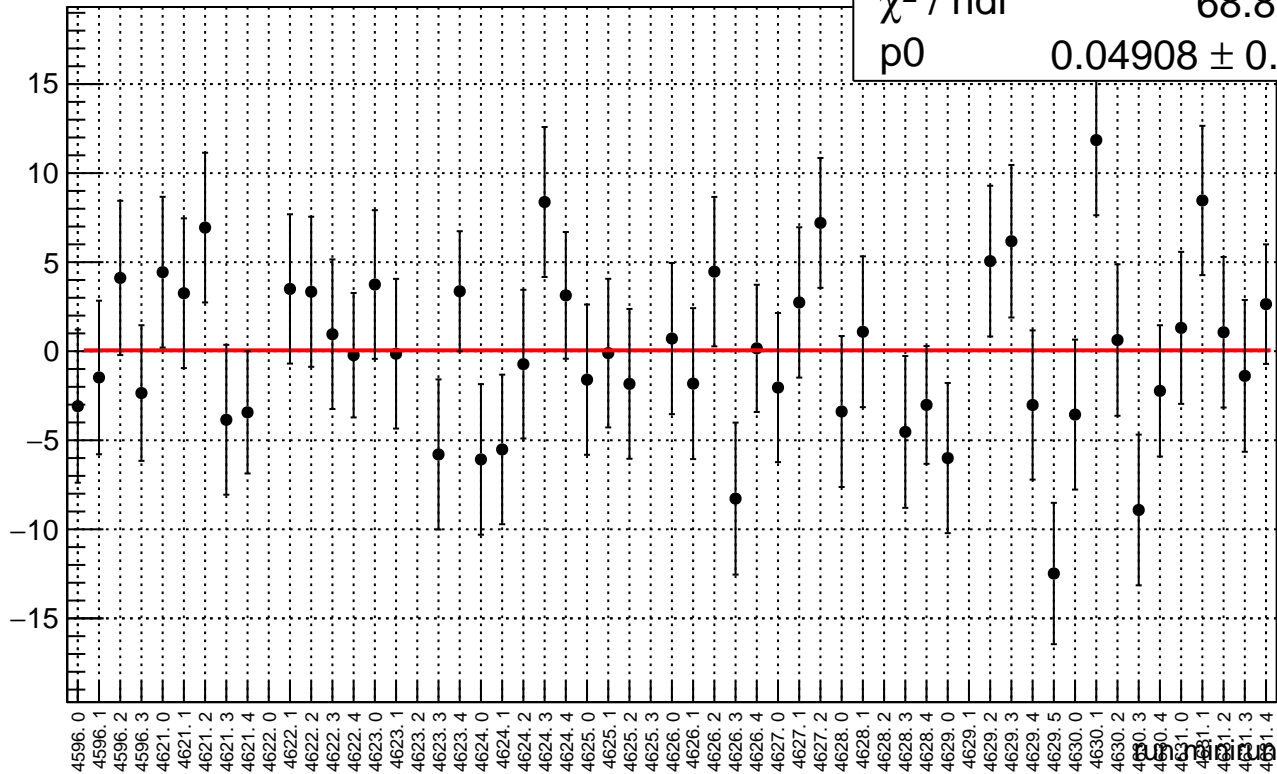


sum of bins

reg\_asym\_atl\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  68.82 / 51  
p0 0.04908  $\pm$  0.5617

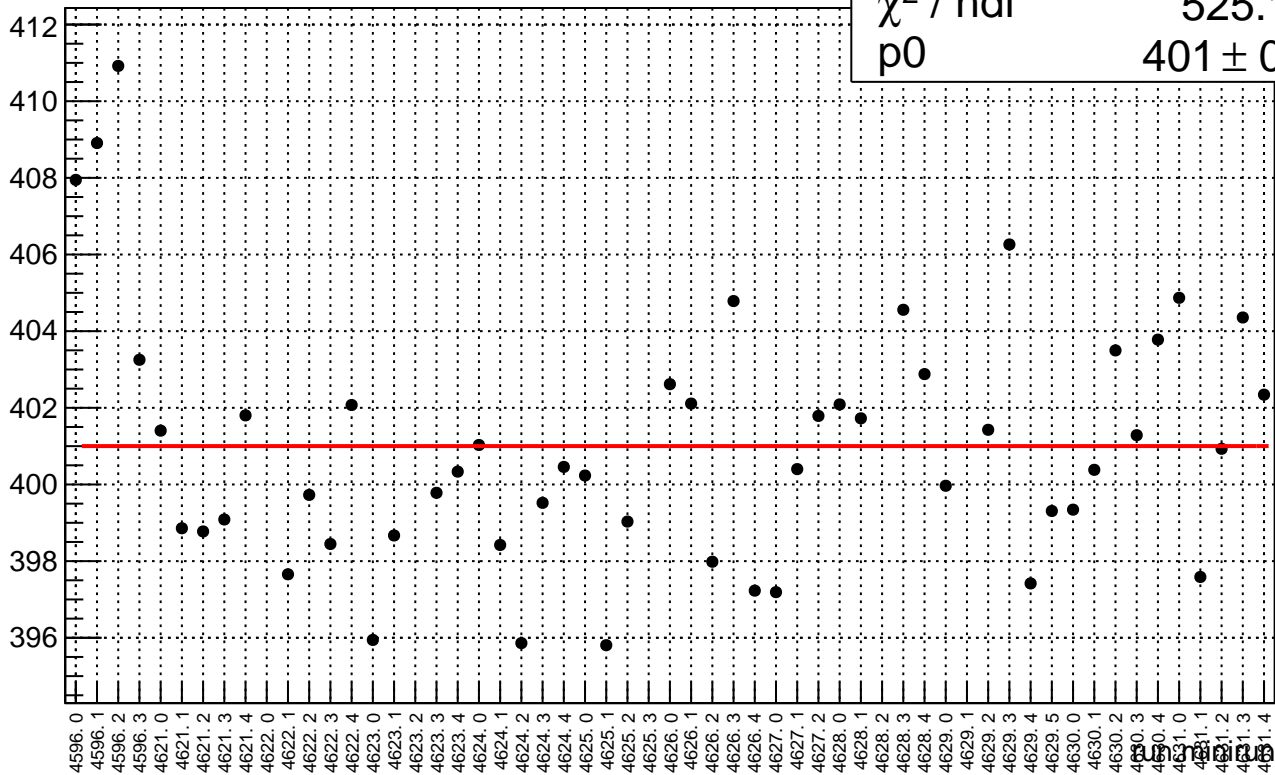
reg\_asym\_atl\_dd\_mean/ppm



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

reg\_asym\_atl\_dd\_rms/ppm

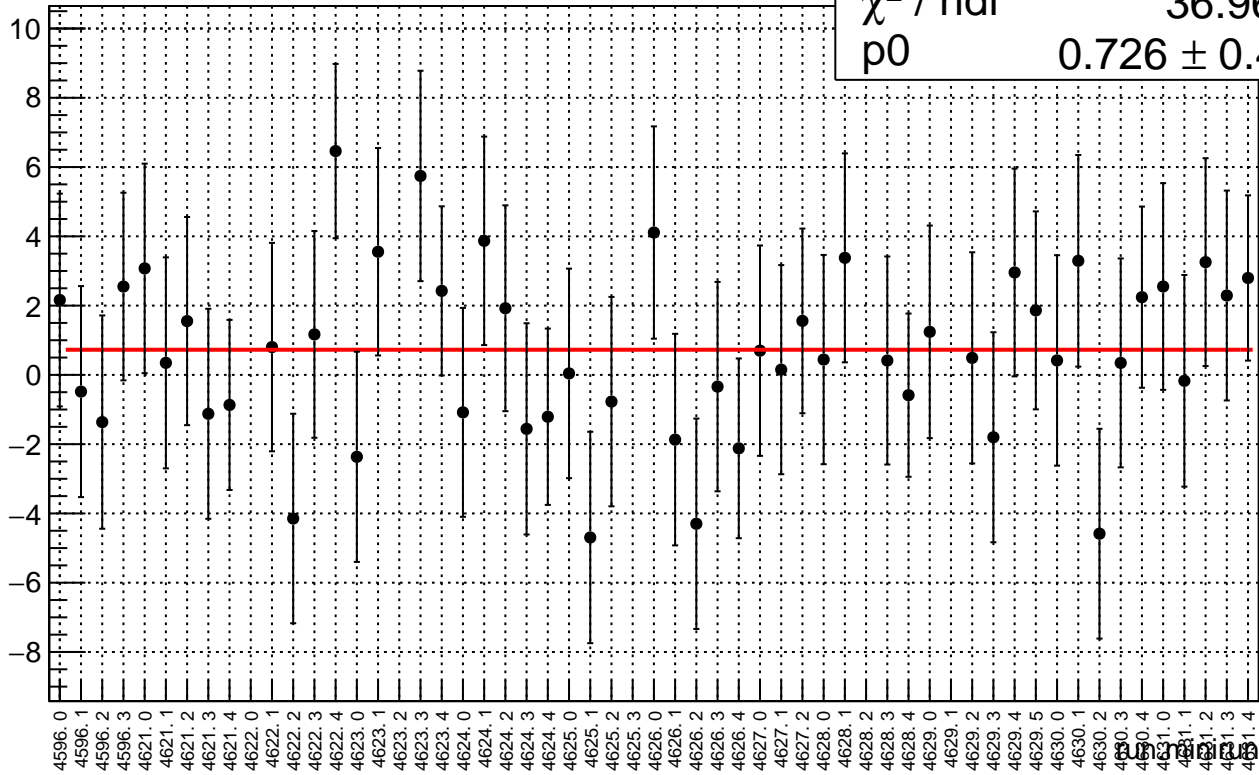
$\chi^2 / \text{ndf}$  525.1 / 51  
 p0  $401 \pm 0.445$



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

reg\_asym\_atr\_avg\_mean/ppm

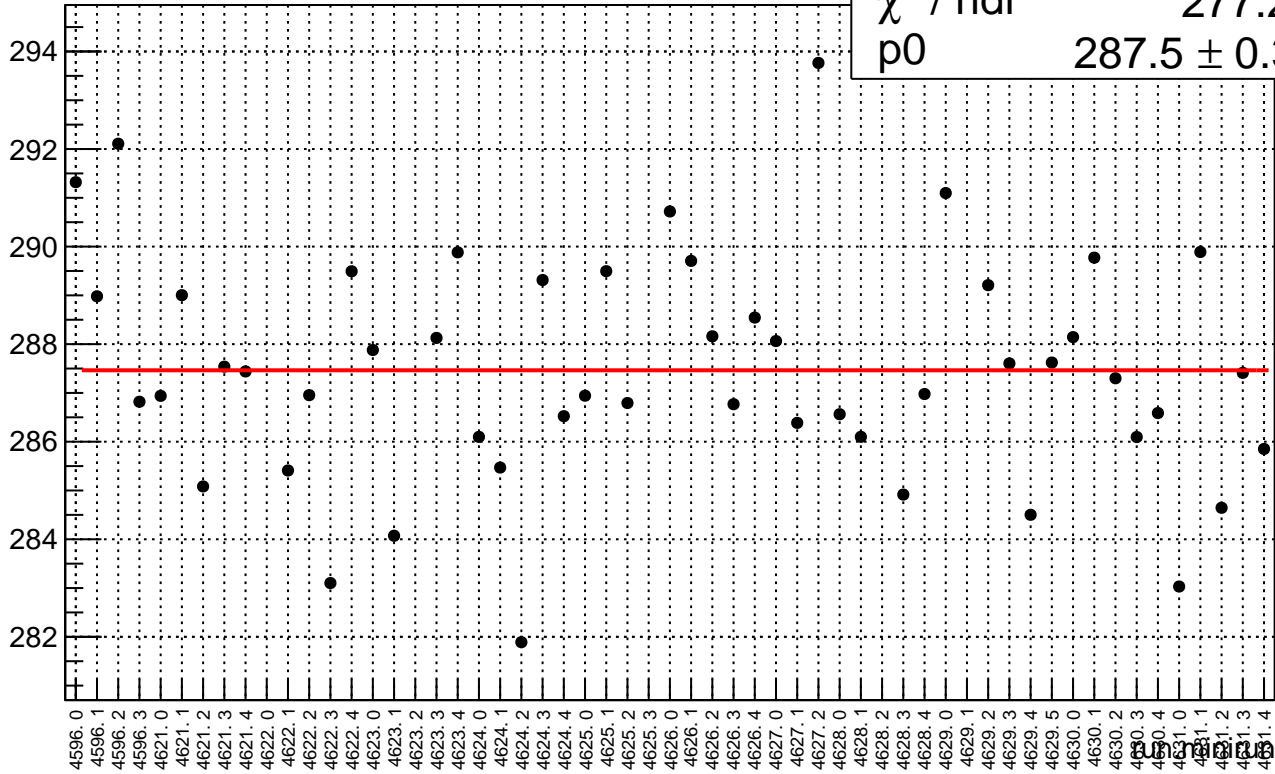
$\chi^2 / \text{ndf}$  36.96 / 51  
 p0  $0.726 \pm 0.4027$



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

reg\_asym\_atr\_avg\_rms/ppm

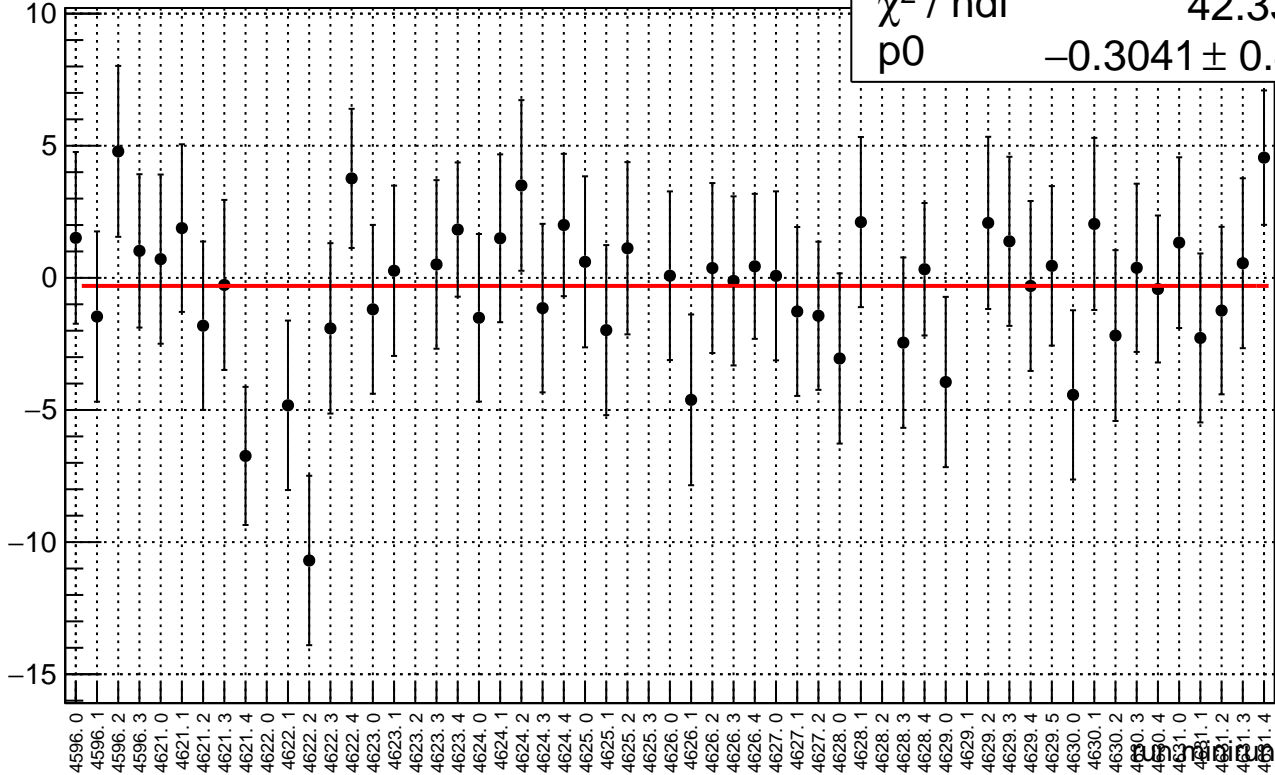
$\chi^2 / \text{ndf}$  277.2 / 51  
 p0 287.5 ± 0.3233



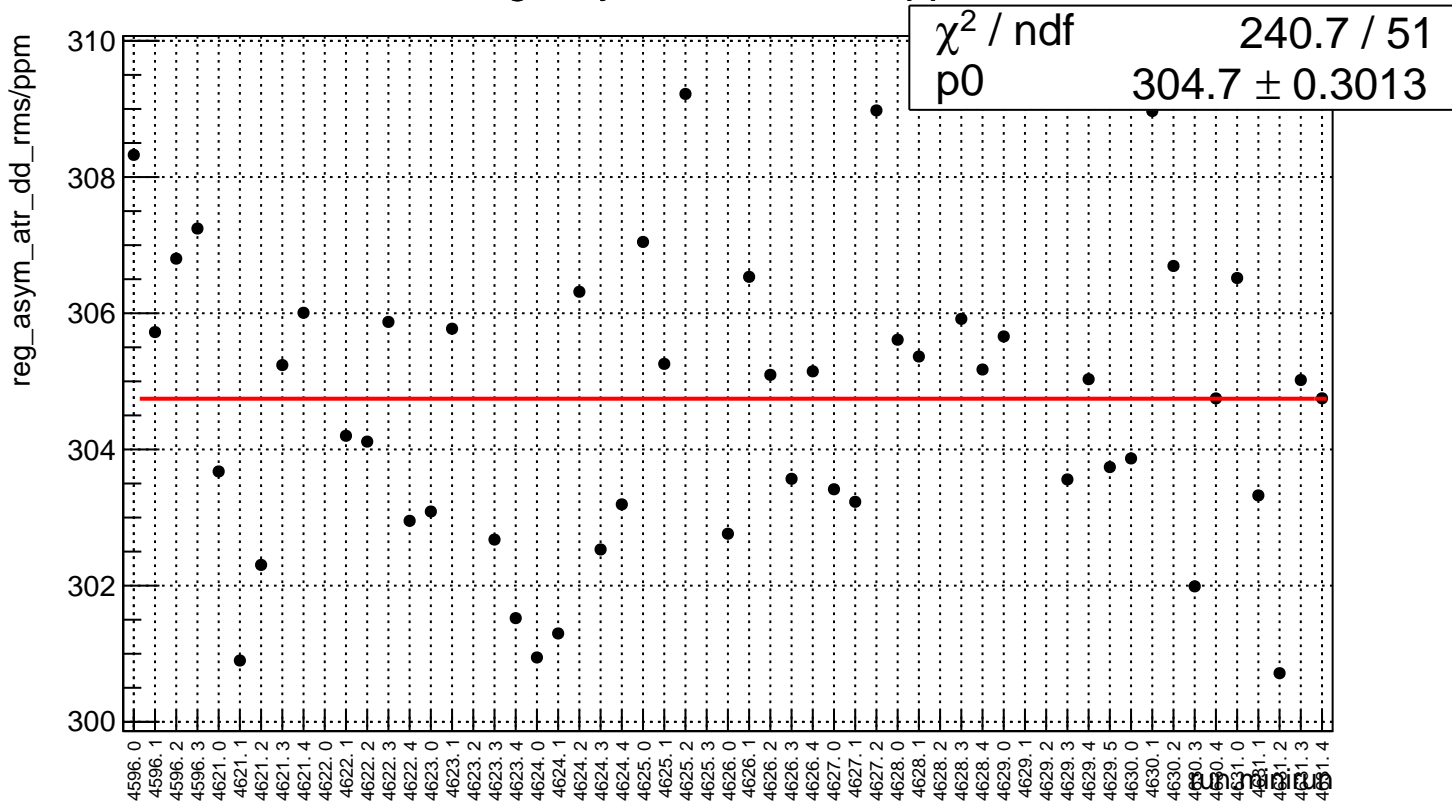
# reg\_asym\_atr\_dd\_mean/ppm

reg\_asym\_atr\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  42.33 / 51  
 $p_0$   $-0.3041 \pm 0.4268$



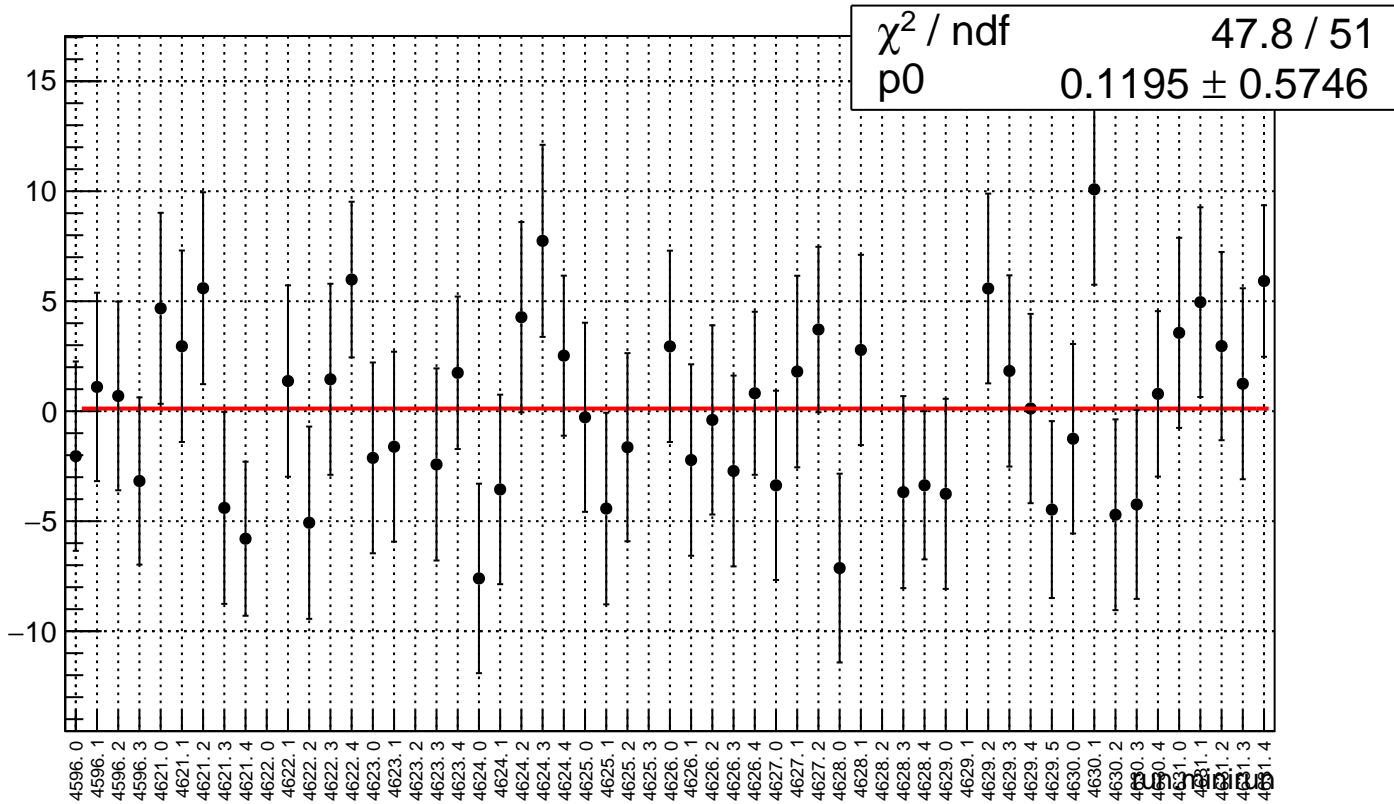
# reg\_asym\_atr\_dd\_rms/ppm





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

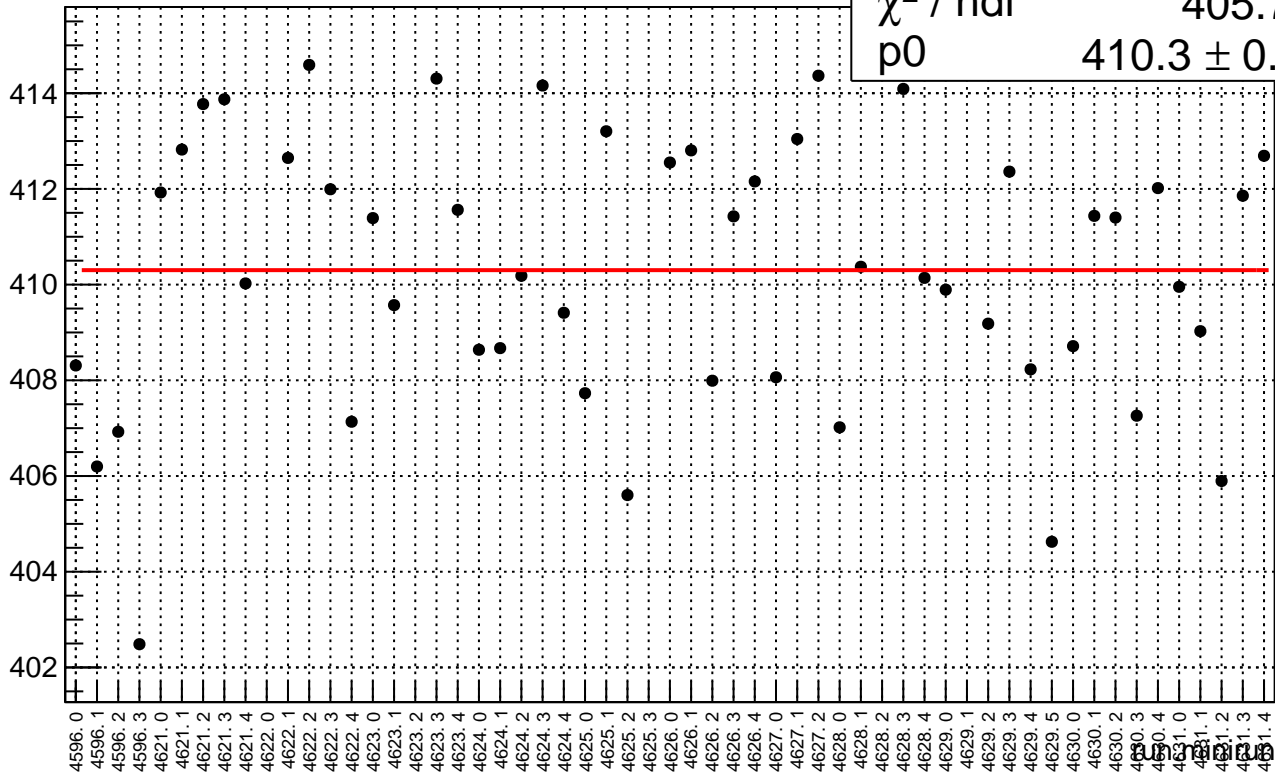
reg\_asym\_at1\_avg\_mean/ppm



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

reg\_asym\_at1\_avg\_rms/ppm

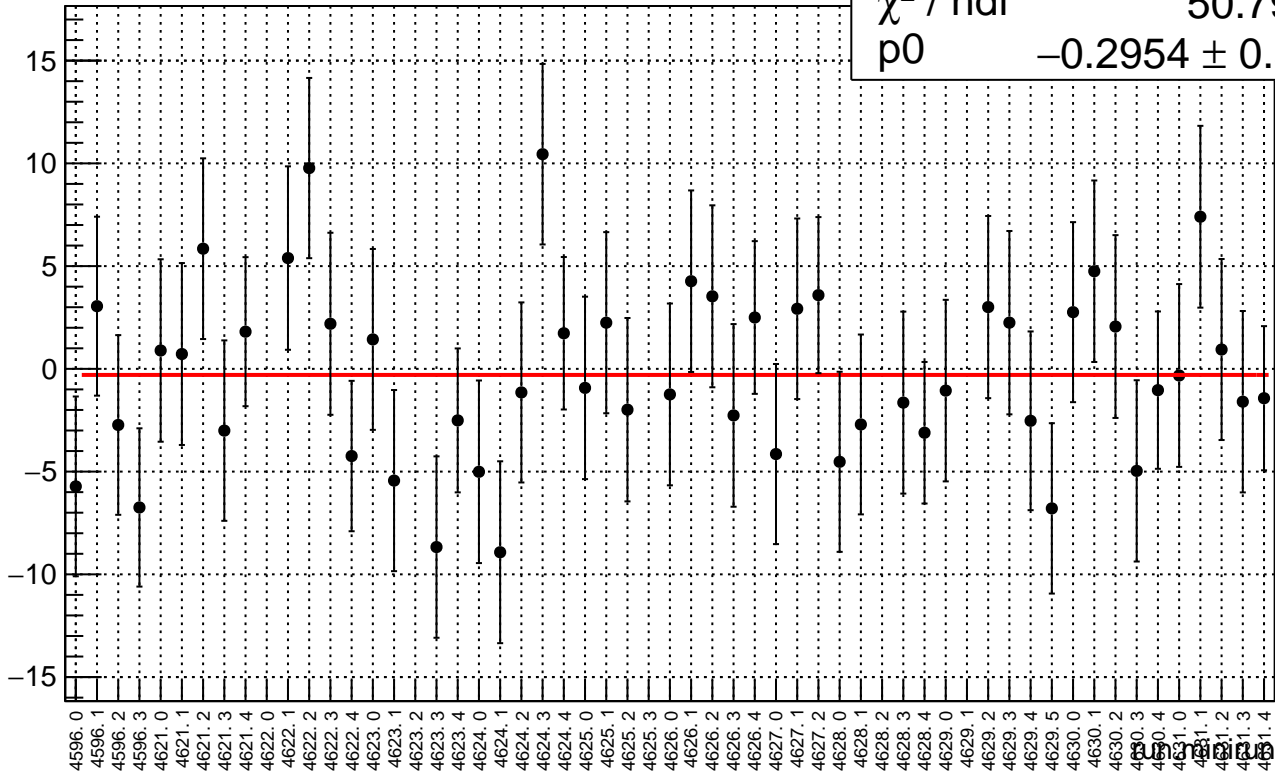
$\chi^2 / \text{ndf}$  405.7 / 51  
 p0 410.3 ± 0.3911



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

$\chi^2 / \text{ndf}$  50.79 / 51  
 p0  $-0.2954 \pm 0.5859$

reg\_asym\_at1\_dd\_mean/ppm

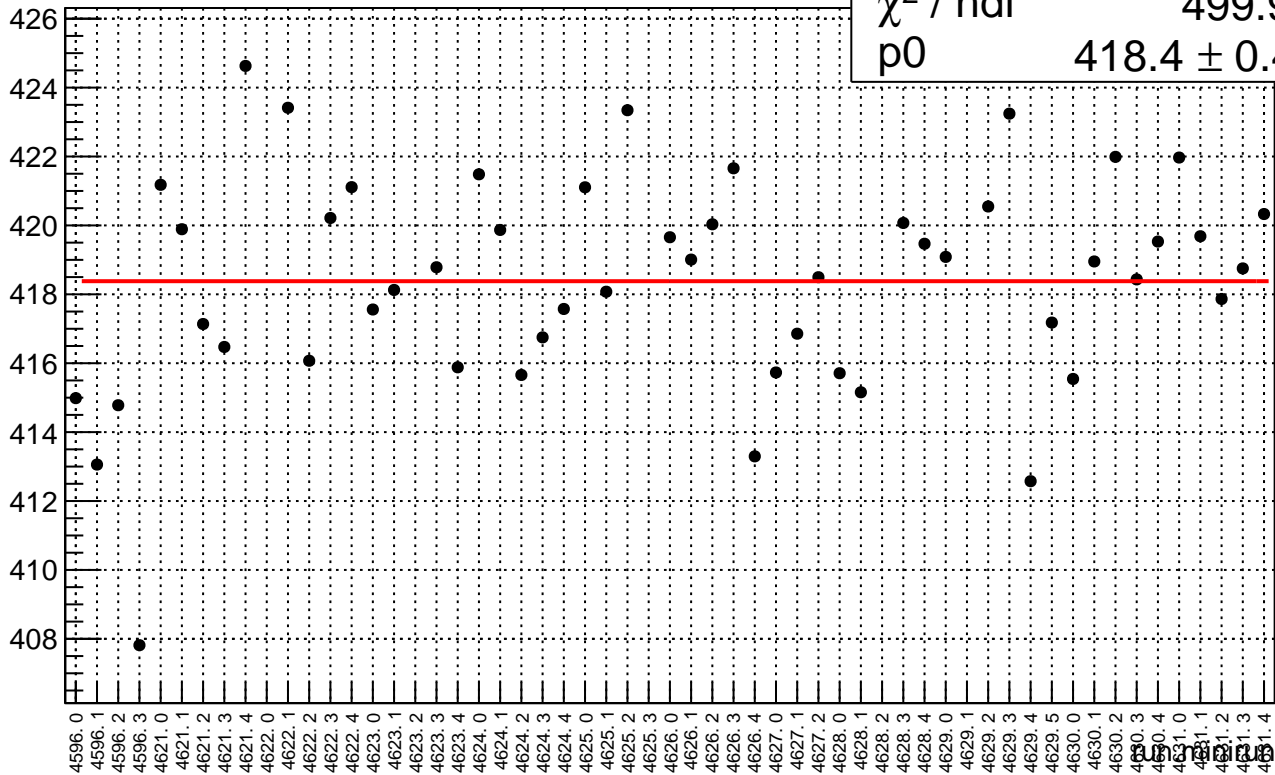


sum 0.00

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

reg\_asym\_at1\_dd\_rms/ppm

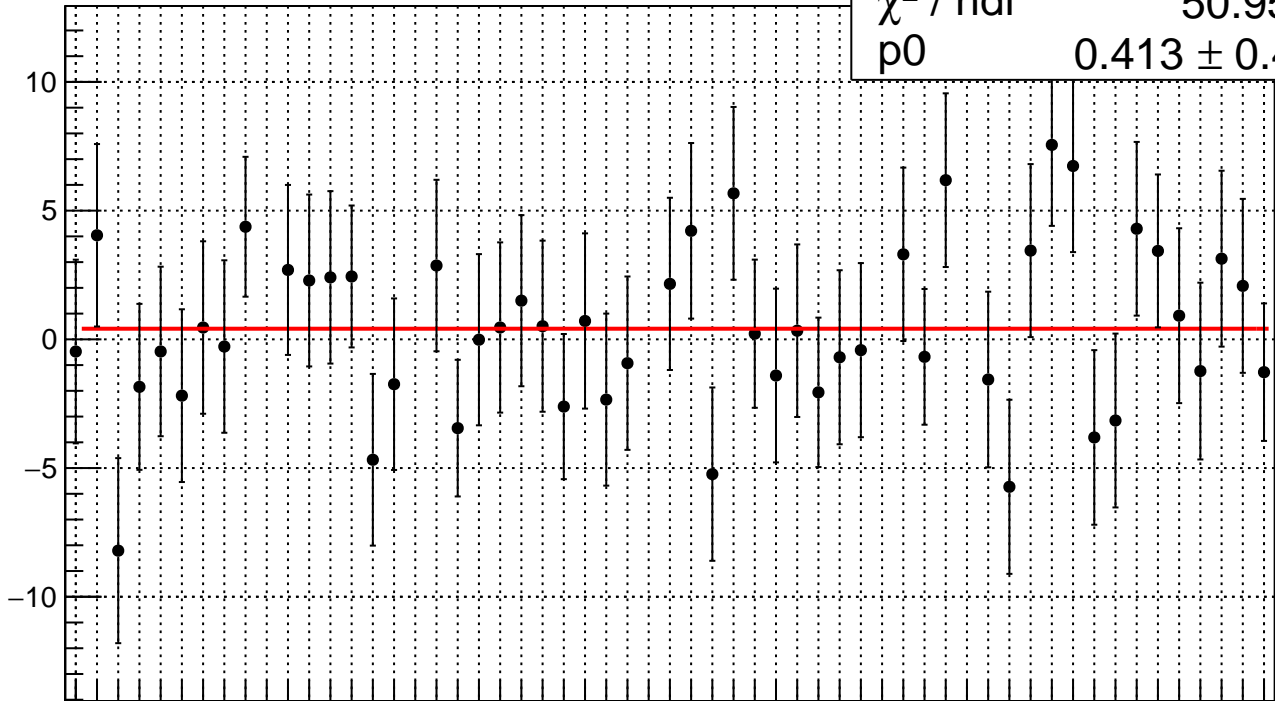
$\chi^2 / \text{ndf}$  499.9 / 51  
 p0 418.4 ± 0.4342



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

$\chi^2 / \text{ndf}$  50.95 / 51  
 p0  $0.413 \pm 0.4486$

reg\_asym\_at2\_avg\_mean/ppm



sum 0.413

reg\_asym\_at2\_avg\_rms/ppm

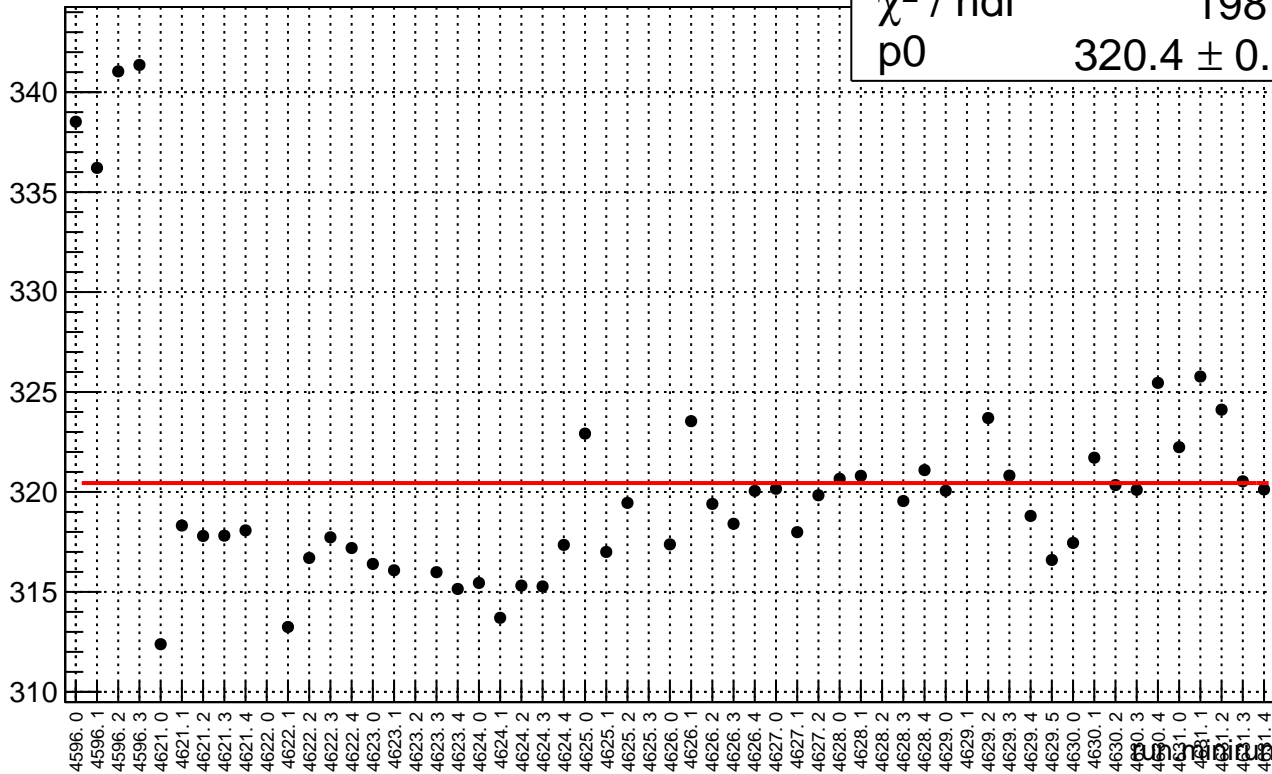
$\chi^2 / \text{ndf}$

1987 / 51

p0

$320.4 \pm 0.8655$

reg\_asym\_at2\_avg\_rms/ppm

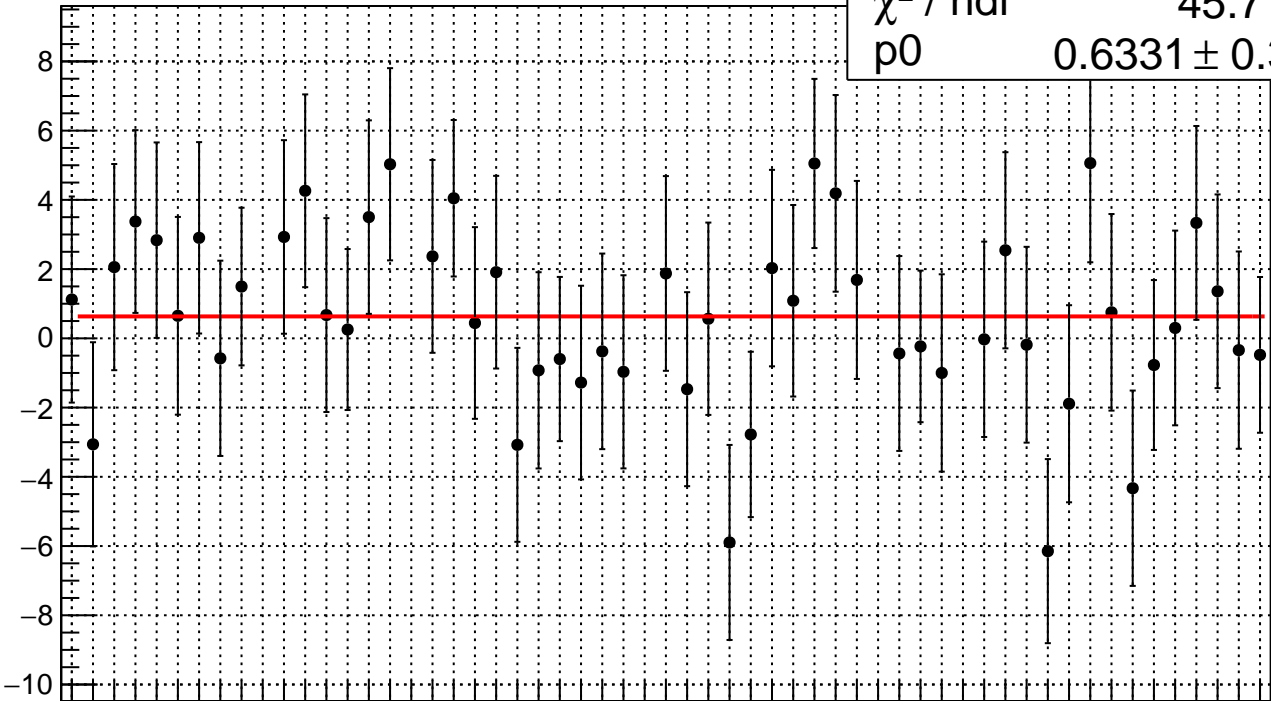


sumfit

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

$\chi^2 / \text{ndf}$  45.71 / 51  
 p0  $0.6331 \pm 0.3754$

reg\_asym\_at2\_dd\_mean/ppm

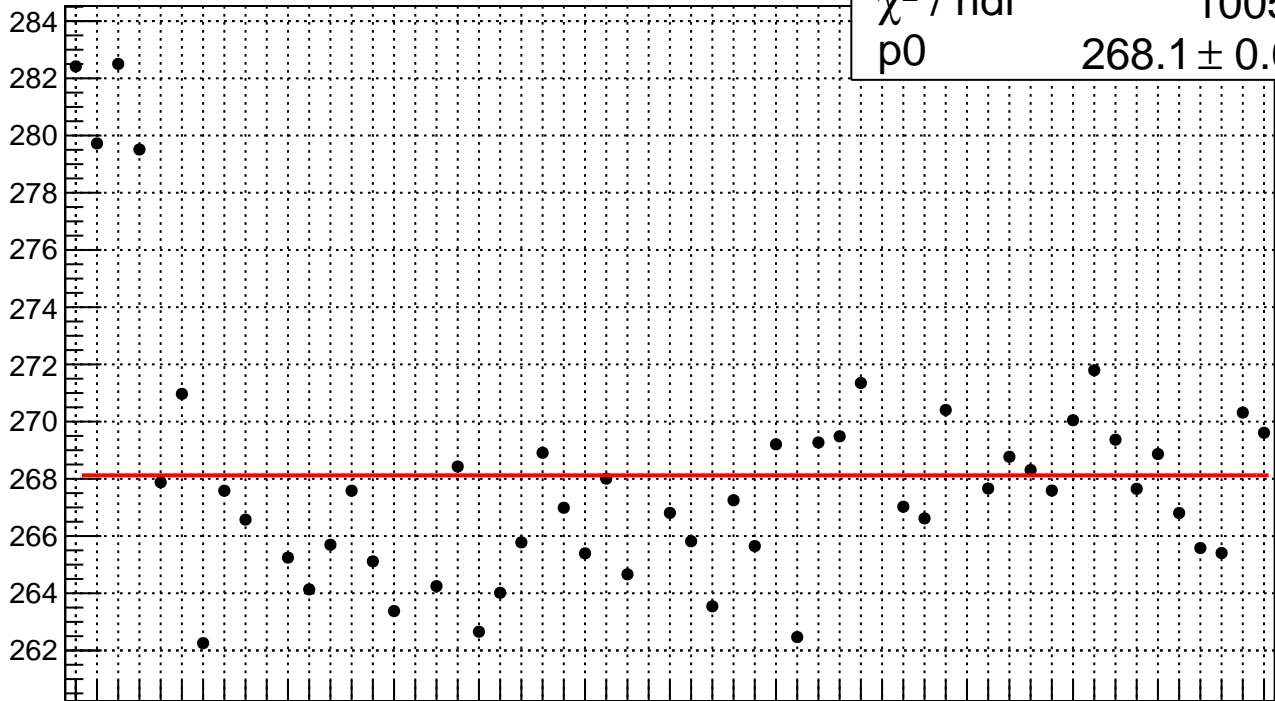


sum of squares

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

$\chi^2 / \text{ndf}$  1005 / 51  
 p0  $268.1 \pm 0.6155$

reg\_asym\_at2\_dd\_rms/ppm

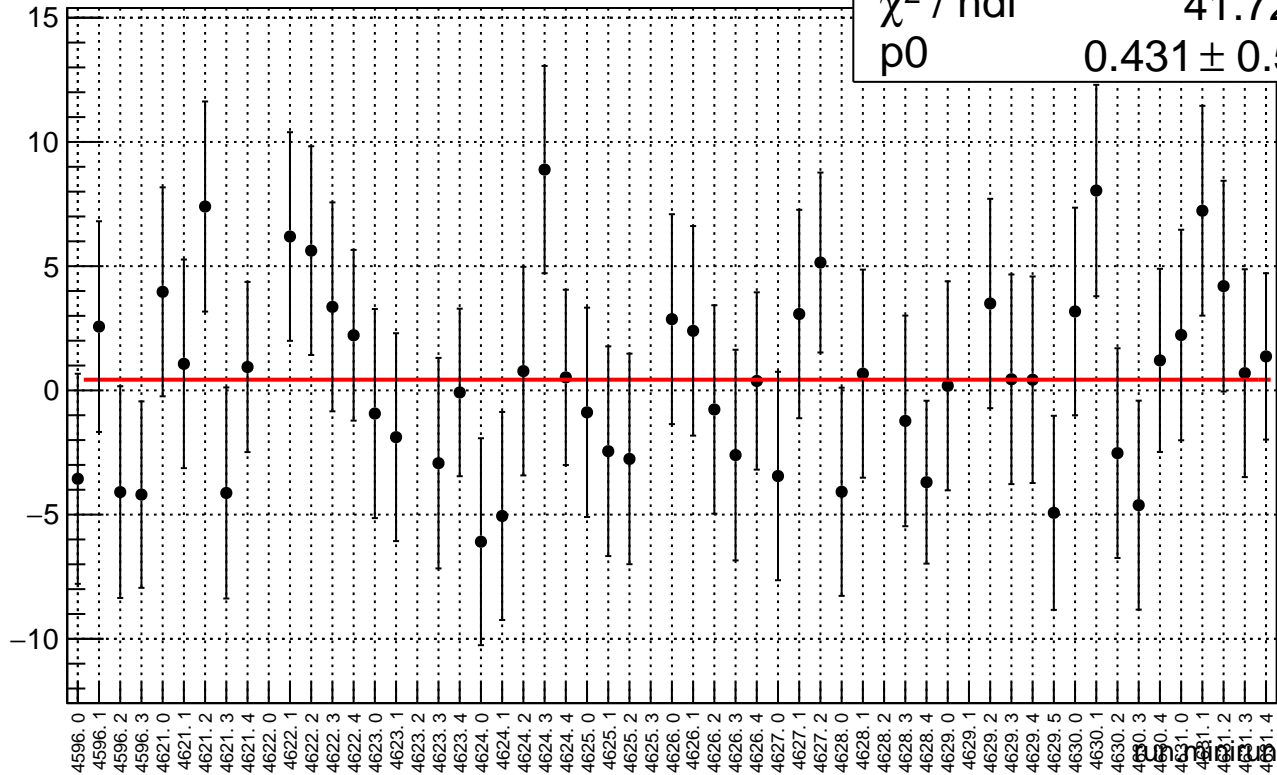


sum bins



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

reg\_asym\_atl1r2\_avg\_mean/ppm

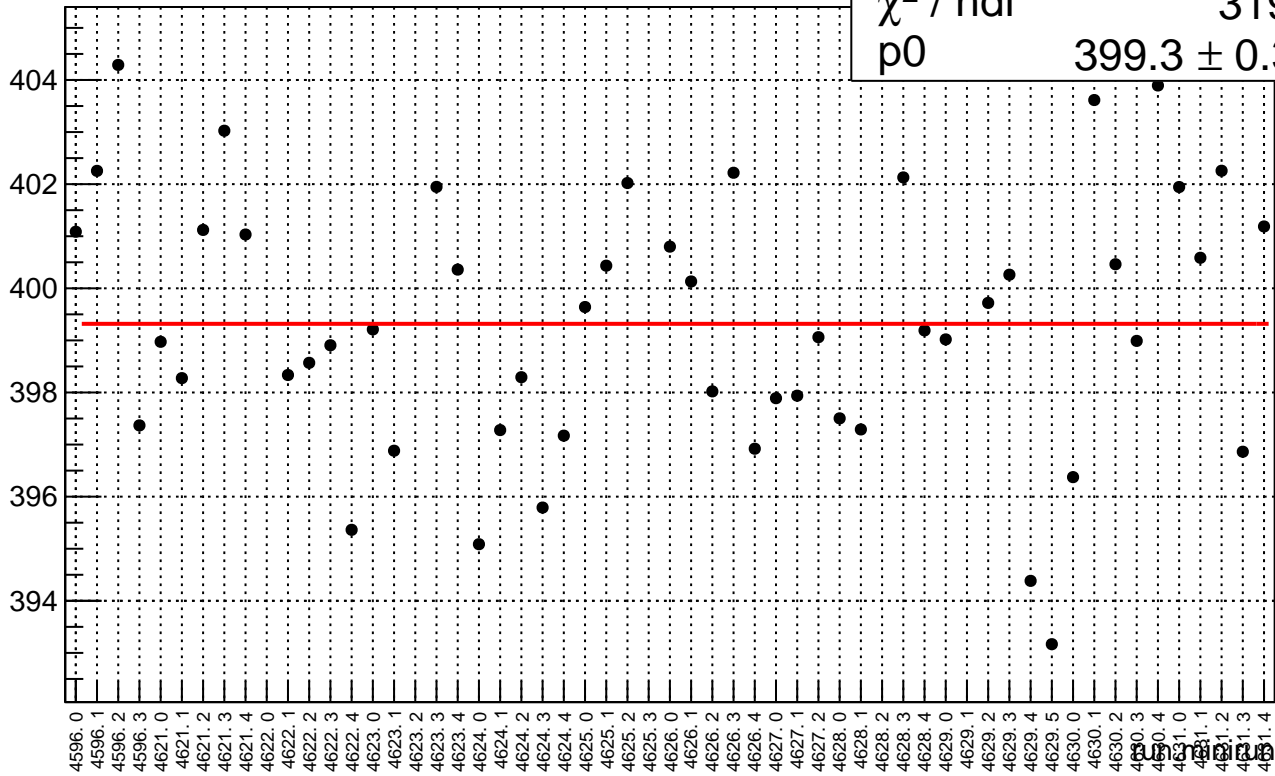


sum 48

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

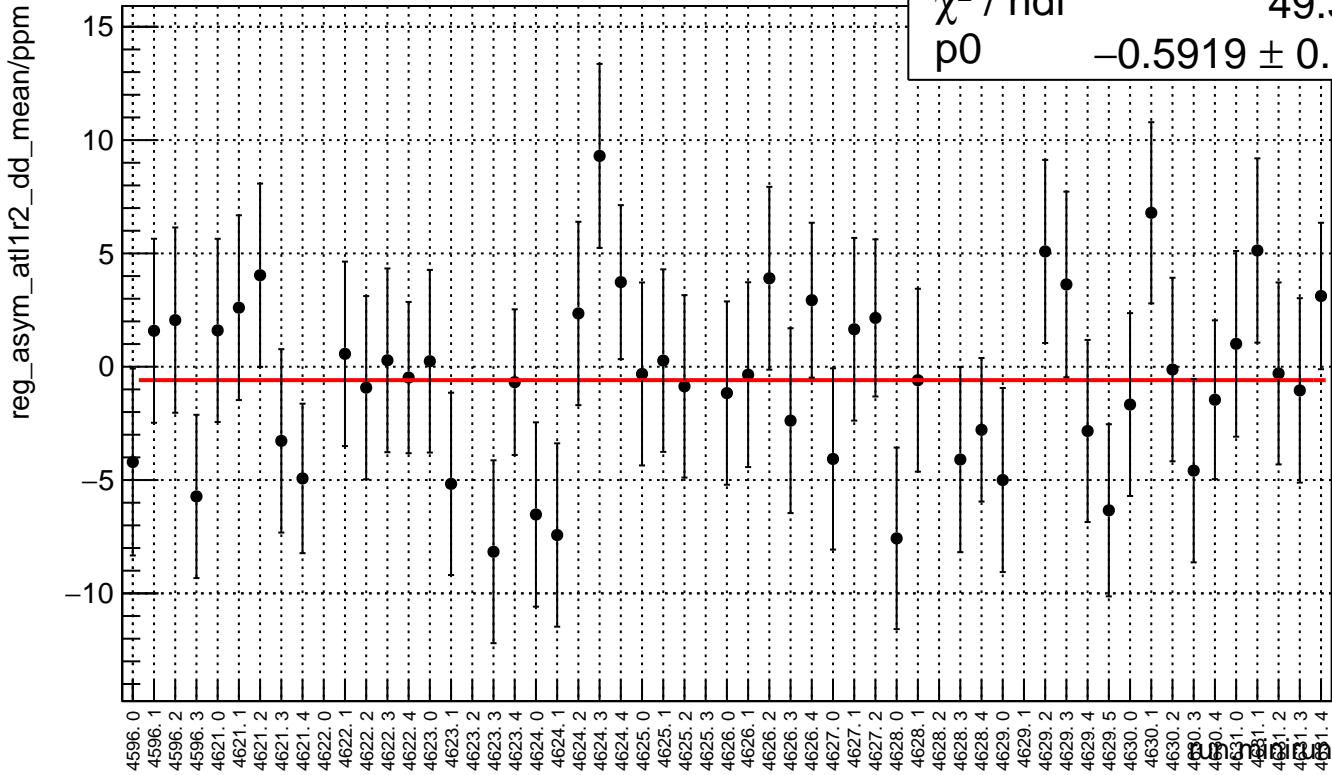
reg\_asym\_atl1r2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  319 / 51  
 p0  $399.3 \pm 0.3468$



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

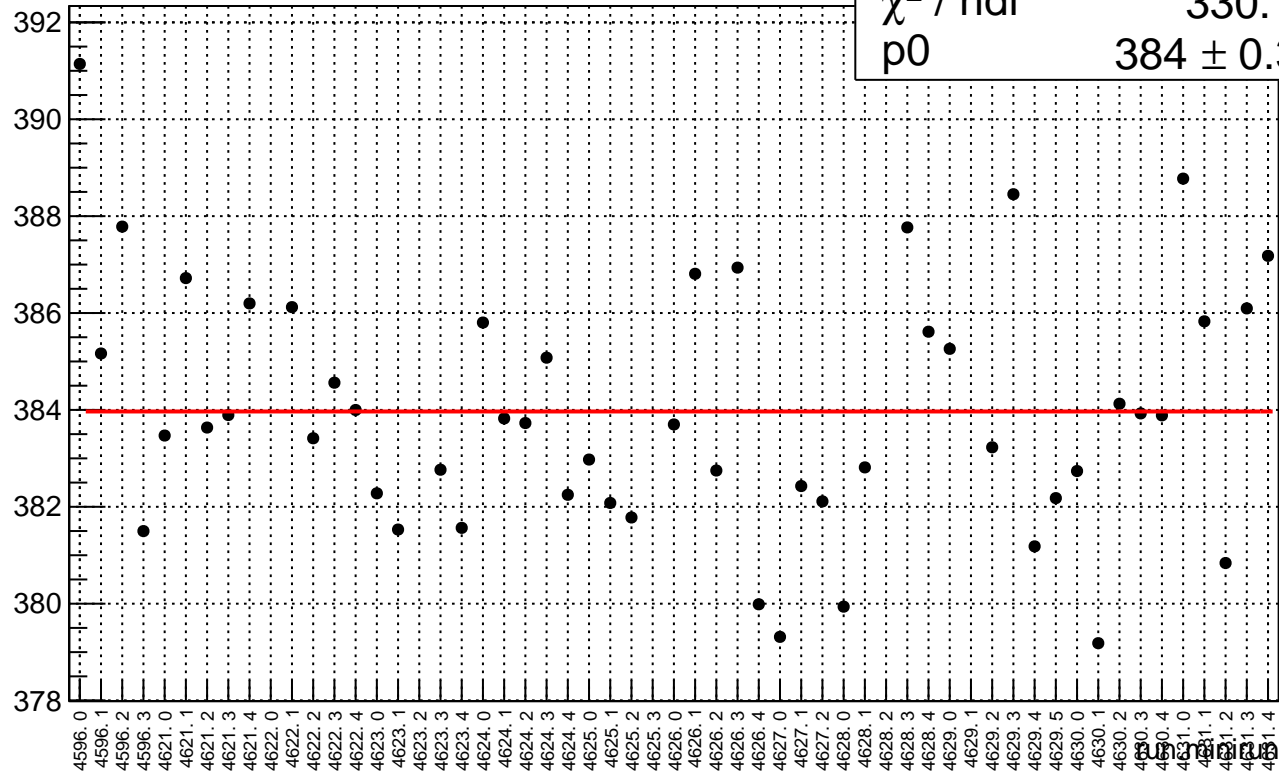
$\chi^2 / \text{ndf}$  49.3 / 51  
 $p_0$   $-0.5919 \pm 0.5377$



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

$\chi^2 / \text{ndf}$  330.1 / 51  
 p0  $384 \pm 0.3528$

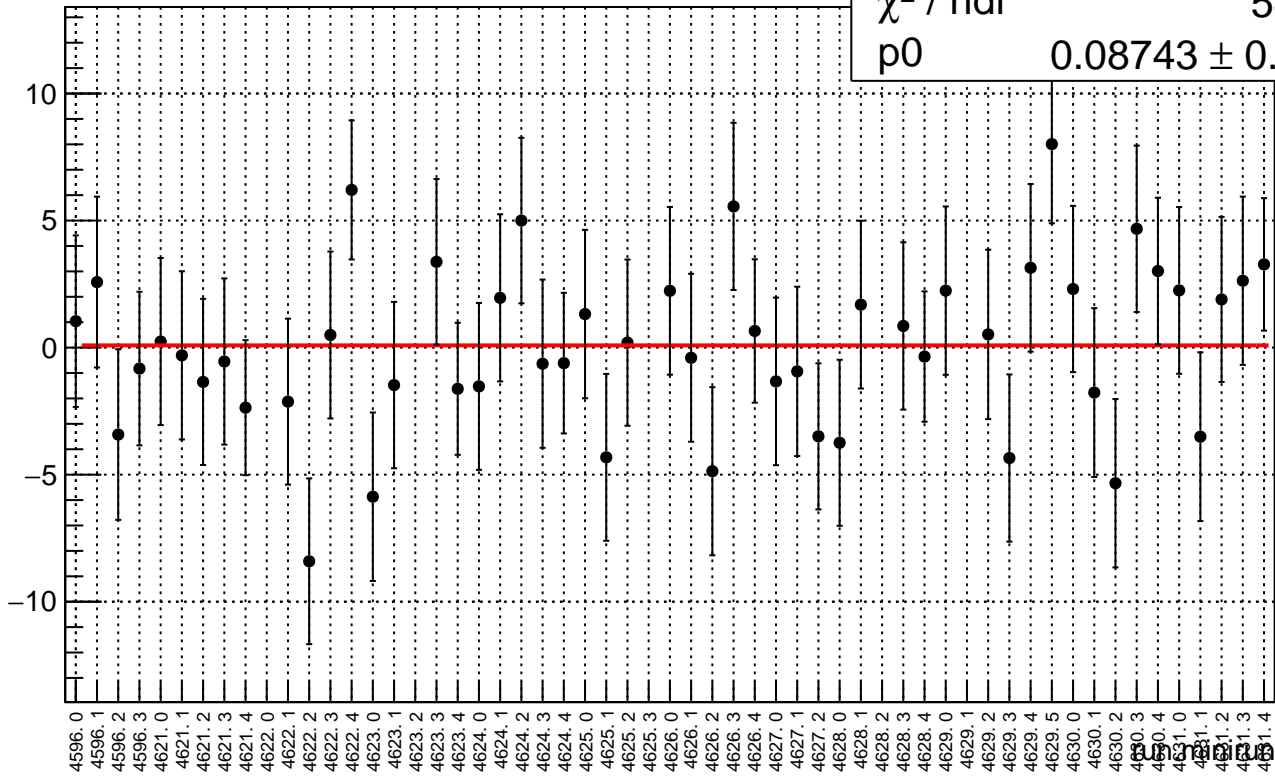
reg\_asym\_atl1r2\_dd\_rms/ppm



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

$\chi^2 / \text{ndf}$  54 / 51  
 p0 0.08743 ± 0.4383

reg\_asym\_atr1l2\_avg\_mean/ppm

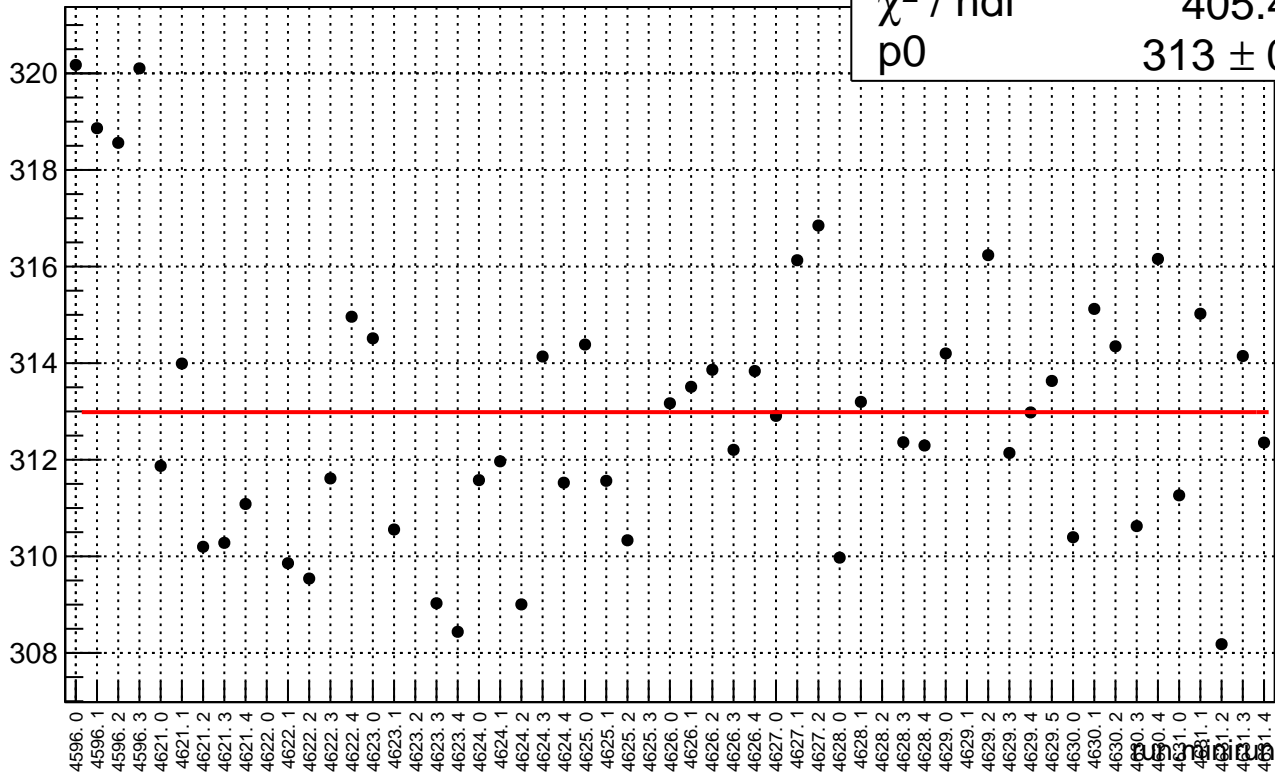


sum 0.08743 ± 0.4383

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

reg\_asym\_atr1l2\_avg\_rms/ppm

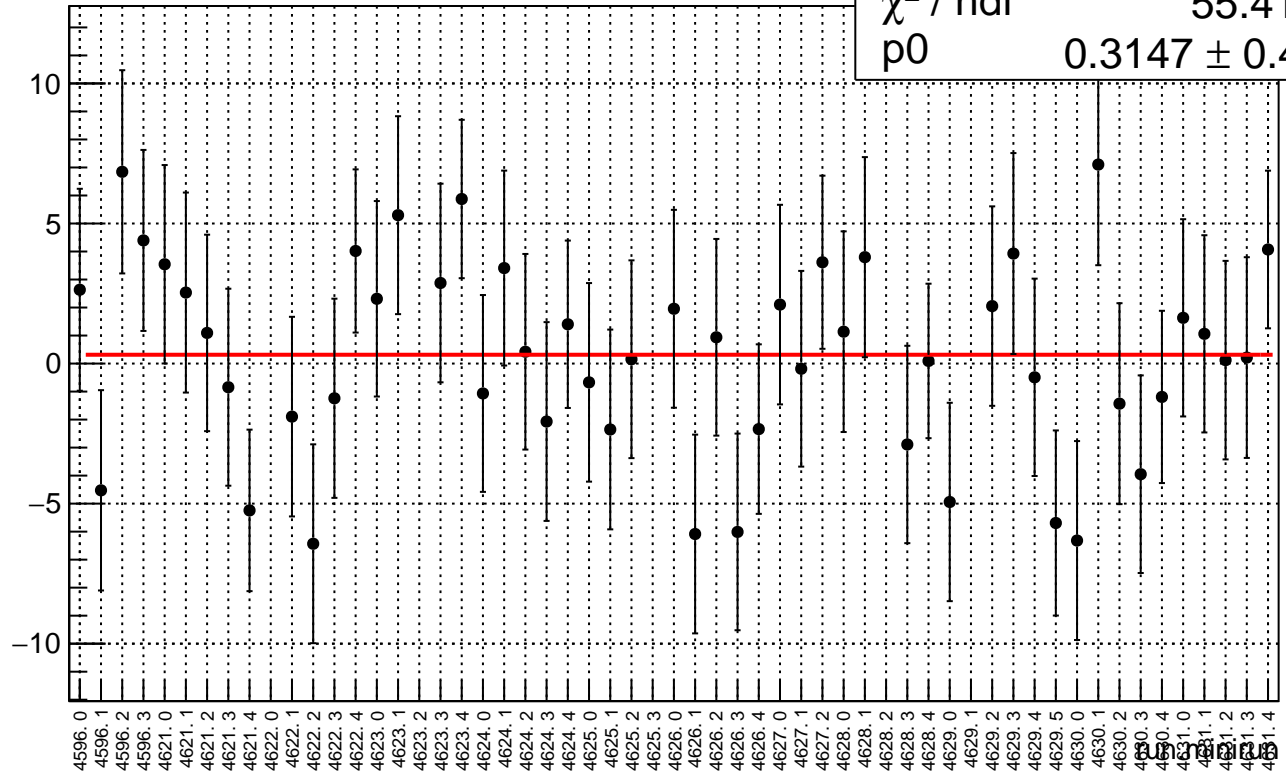
$\chi^2 / \text{ndf}$  405.4 / 51  
 p0  $313 \pm 0.391$



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

$\chi^2 / \text{ndf}$  55.41 / 51  
 p0  $0.3147 \pm 0.4712$

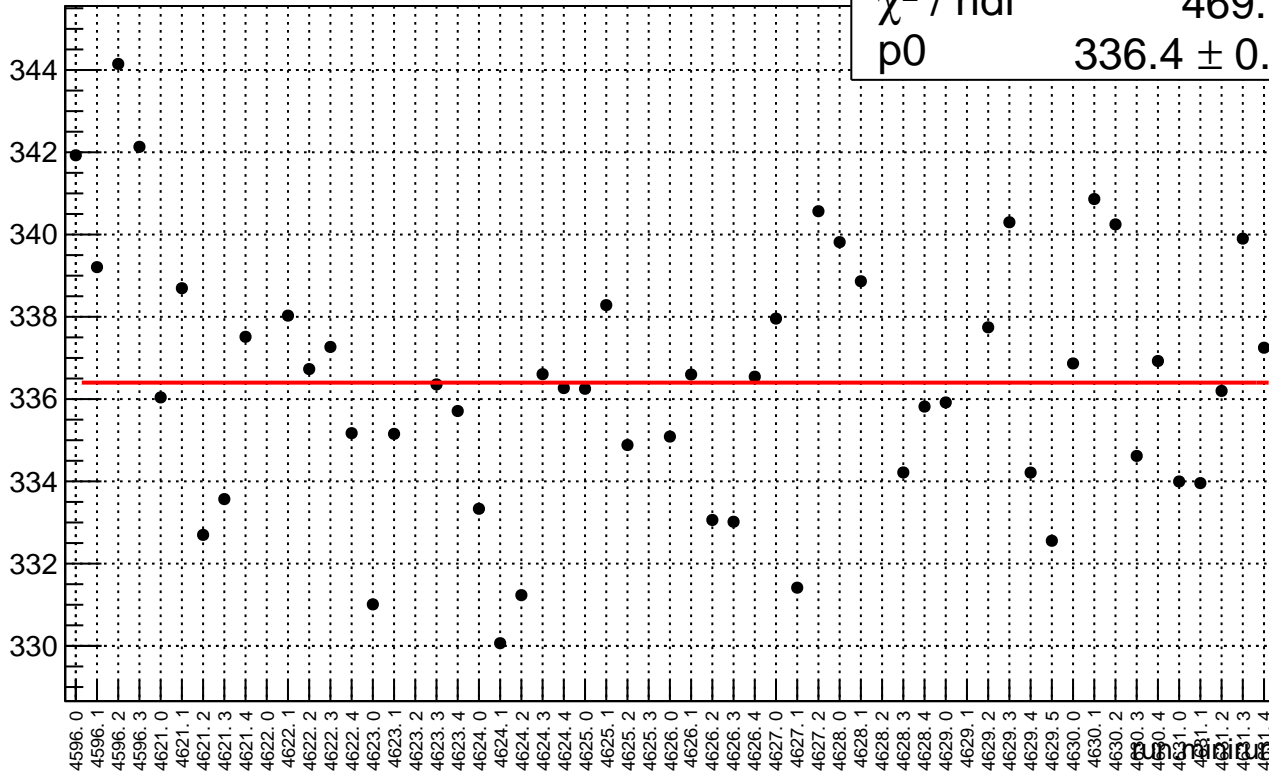
reg\_asym\_atr1l2\_dd\_mean/ppm



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

$\chi^2 / \text{ndf}$  469.7 / 51  
 p0 336.4 ± 0.4209

reg\_asym\_atr1l2\_dd\_rms/ppm



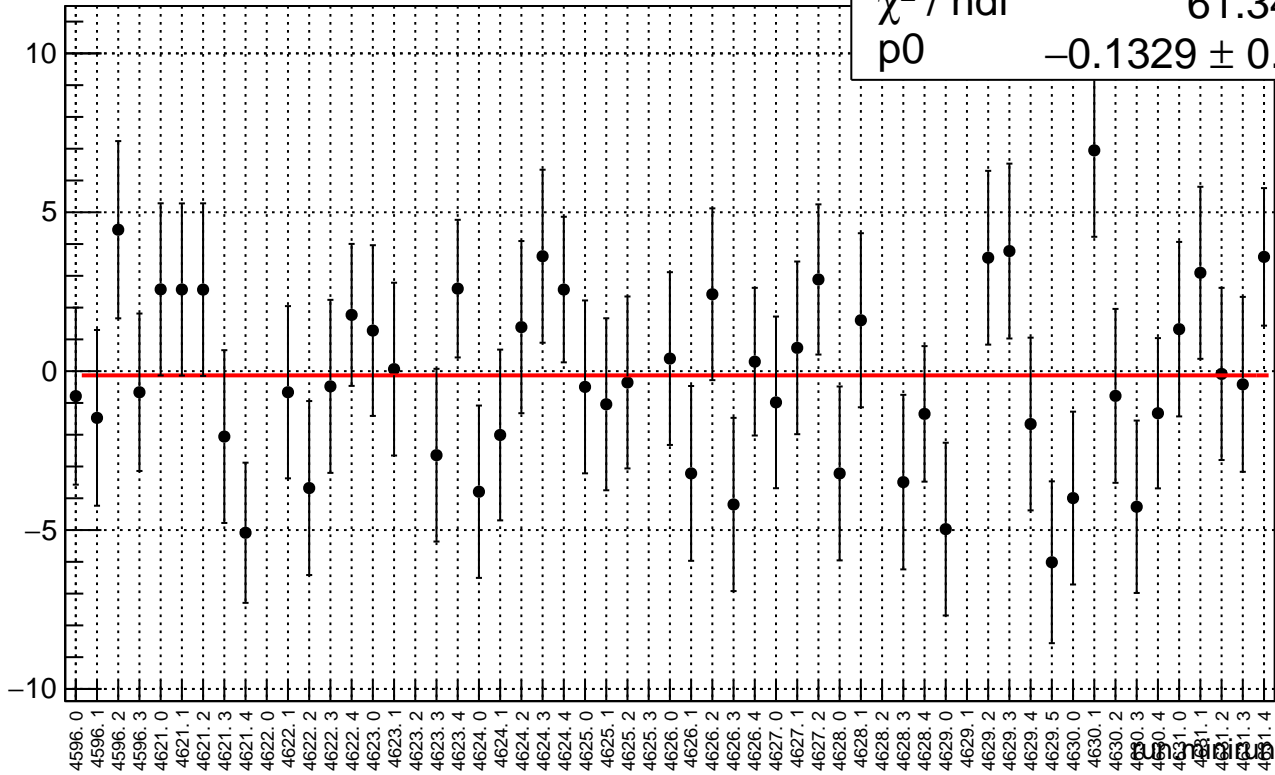
sum of bins



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

$\chi^2 / \text{ndf}$  61.34 / 51  
 p0  $-0.1329 \pm 0.3621$

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



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

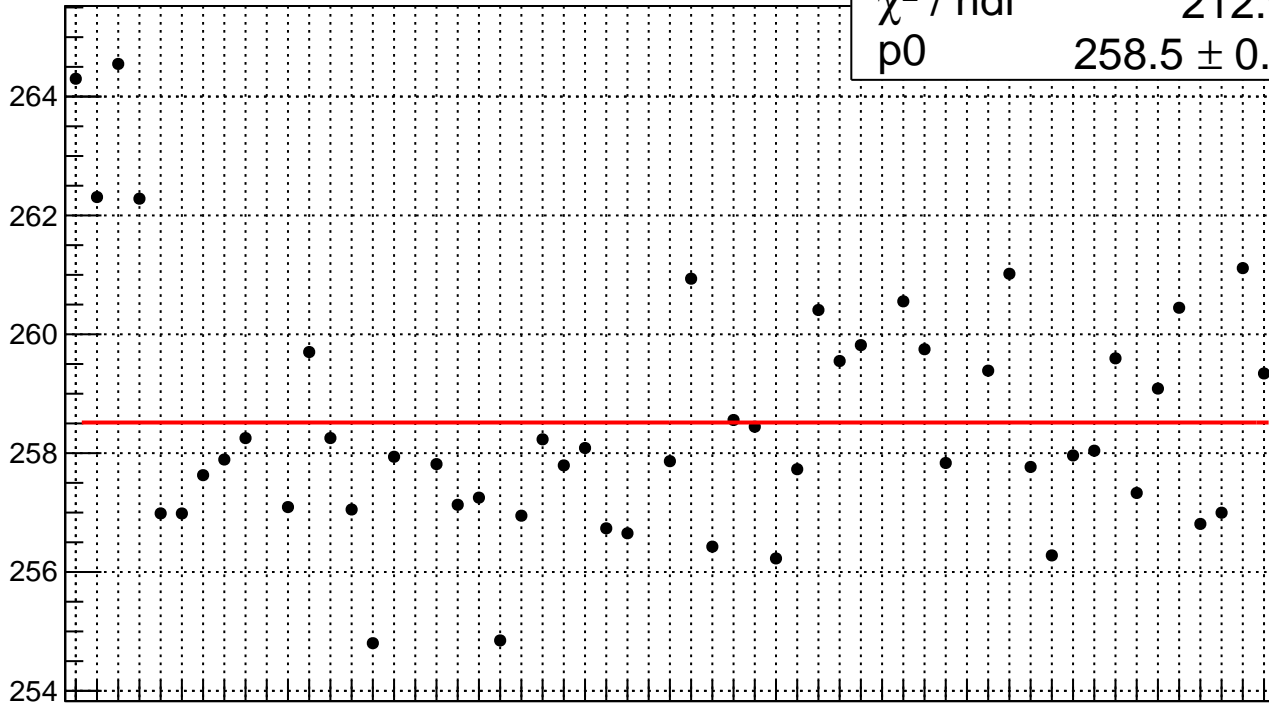
$\chi^2 / \text{ndf}$

212.9 / 51

p0

$258.5 \pm 0.2833$

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

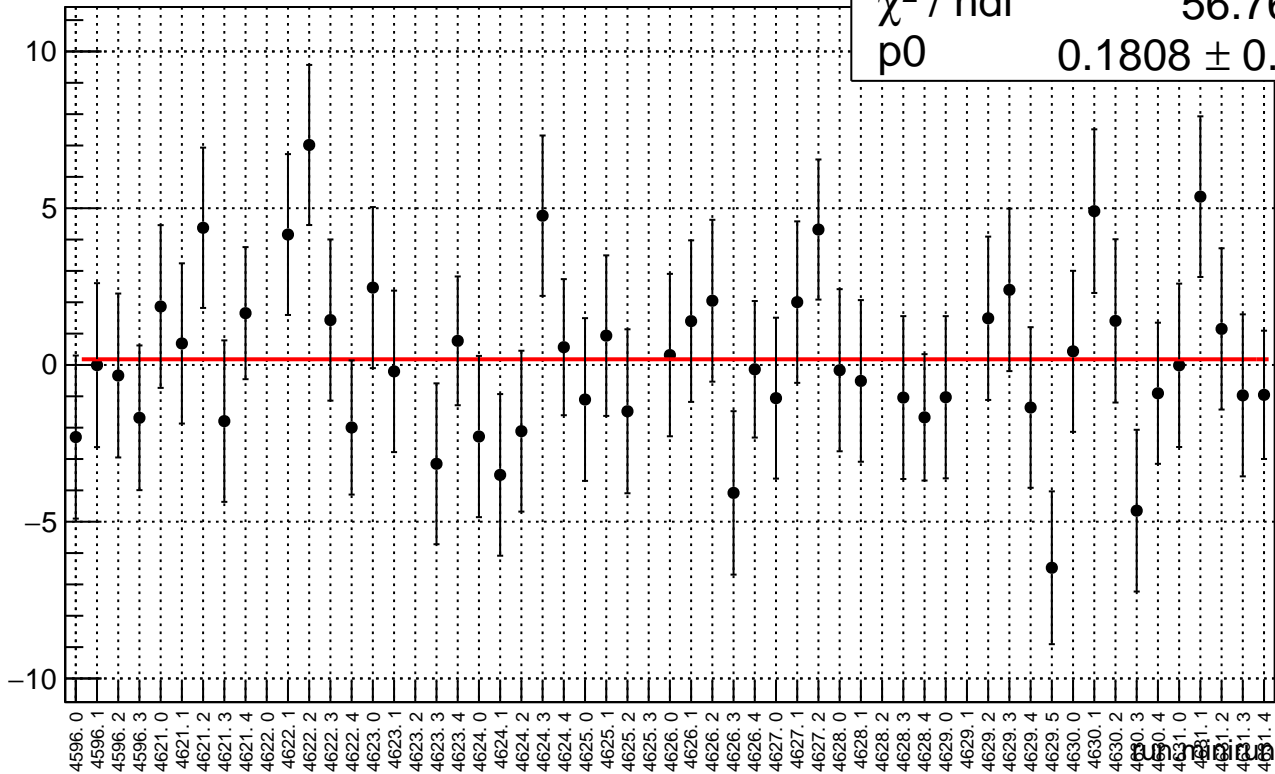


run

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

$\chi^2 / \text{ndf}$  56.76 / 51  
p0  $0.1808 \pm 0.3431$

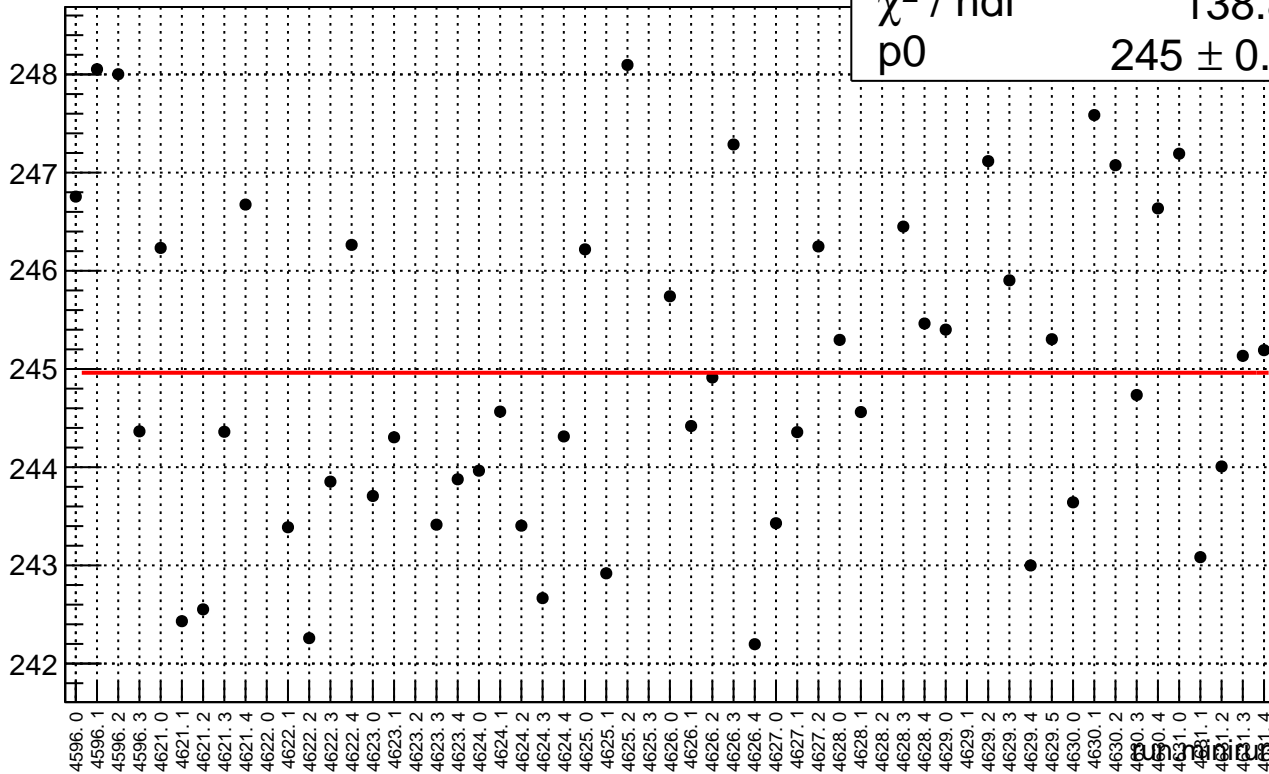
reg\_asym\_atl\_dd\_atr\_dd\_dd\_mean/ppm



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

$\chi^2 / \text{ndf}$  138.8 / 51  
p0  $245 \pm 0.2288$

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

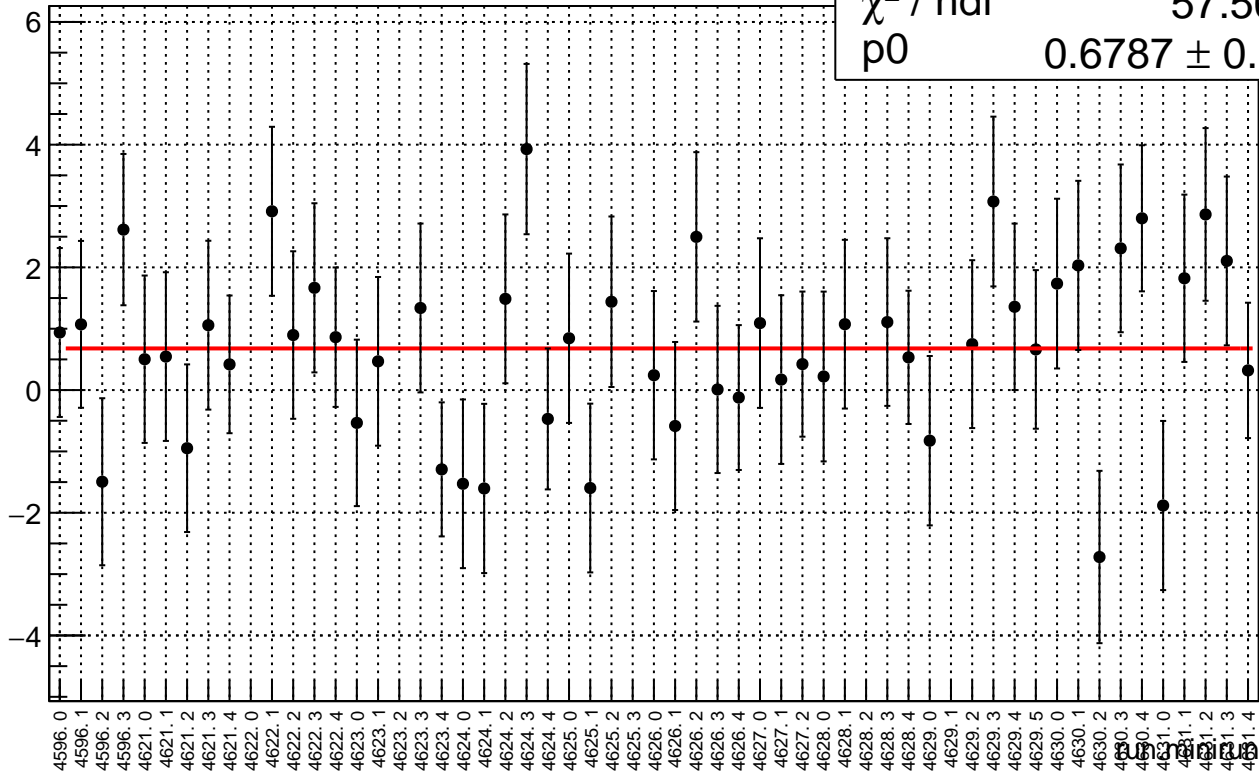


sum of bins

# reg\_asym\_usl\_mean/ppm

reg\_asym\_usl\_mean/ppm

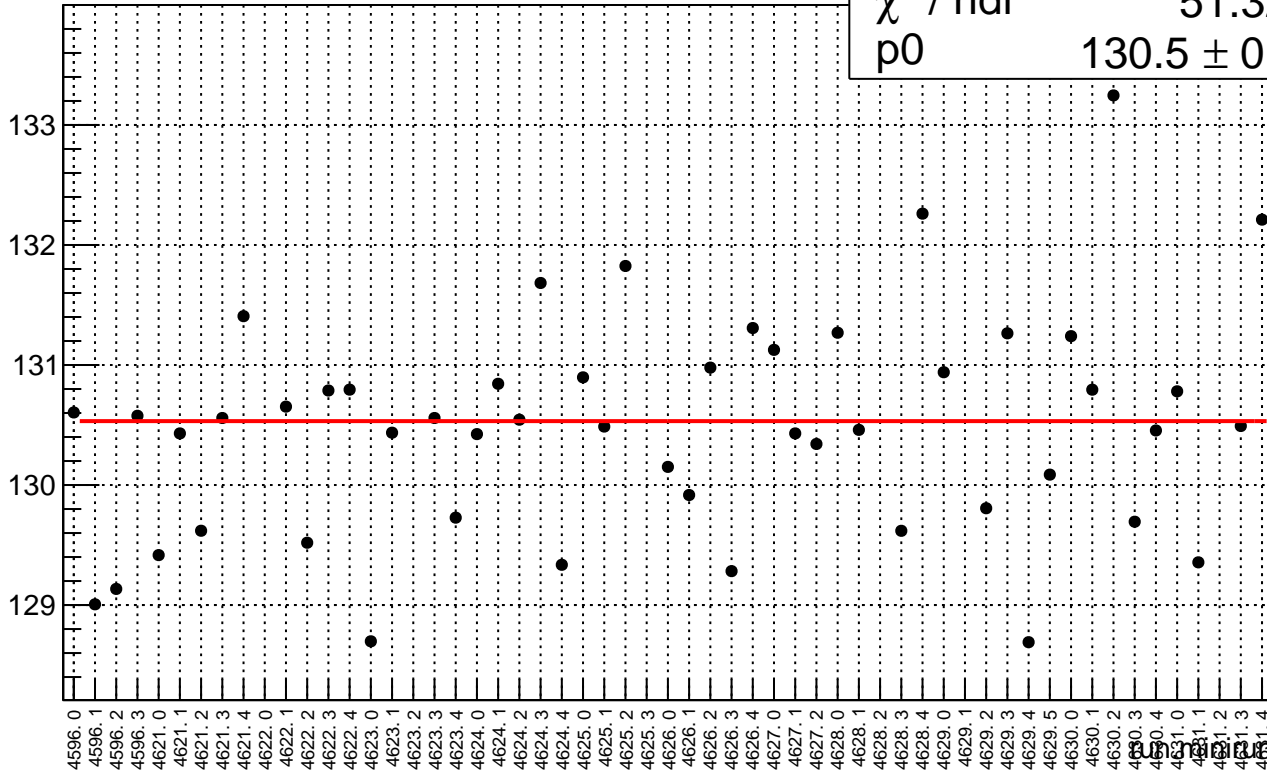
$\chi^2 / \text{ndf}$  57.56 / 51  
 p0  $0.6787 \pm 0.1829$



reg\_asym\_usl\_rms/ppm

$\chi^2 / \text{ndf}$  51.32 / 51  
p0 130.5 ± 0.1391

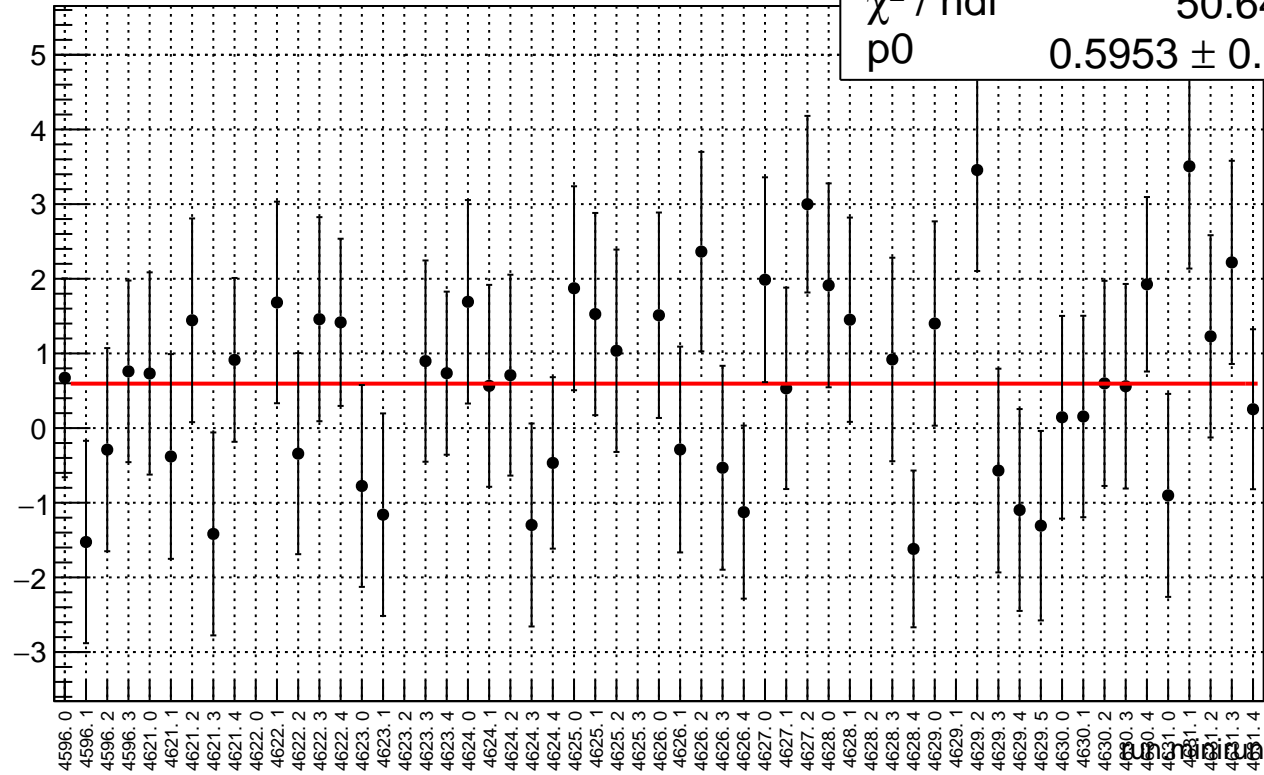
reg\_asym\_usl\_rms/ppm



# reg\_asym\_usr\_mean/ppm

reg\_asym\_usr\_mean/ppm

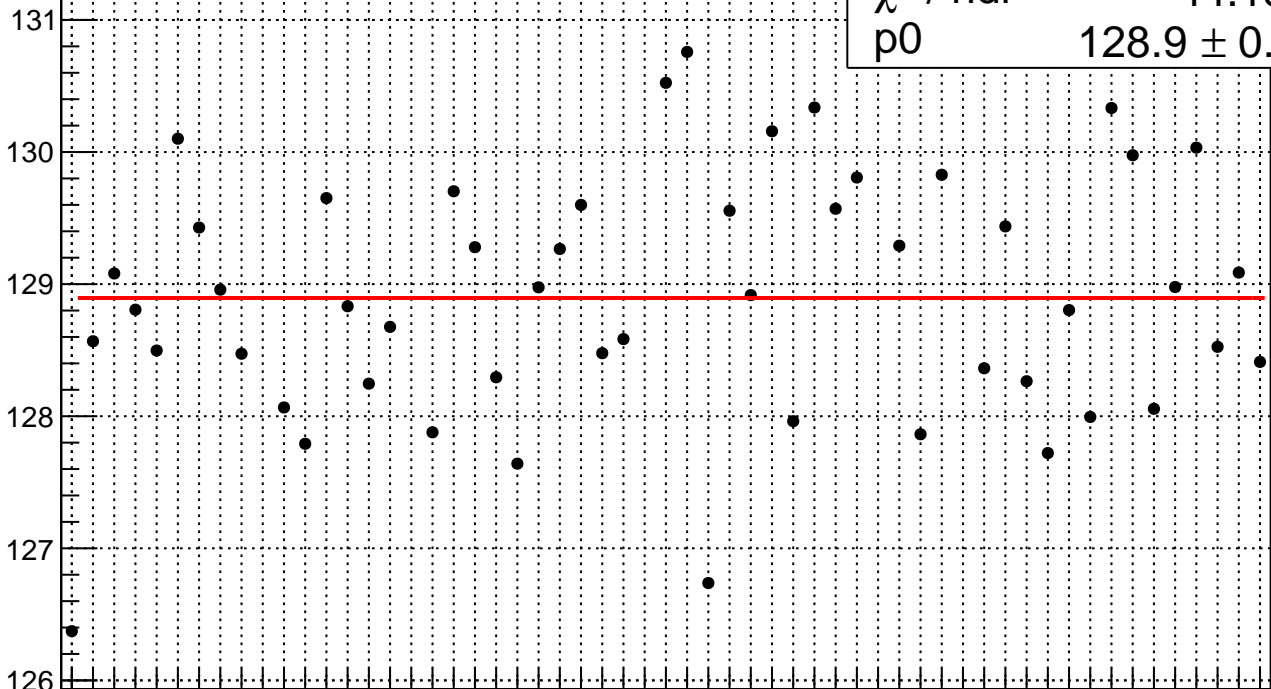
$\chi^2 / \text{ndf}$  50.64 / 51  
 p0 0.5953 ± 0.1805



reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  44.18 / 51  
p0 128.9 ± 0.1291

reg\_asym\_usr\_rms/ppm



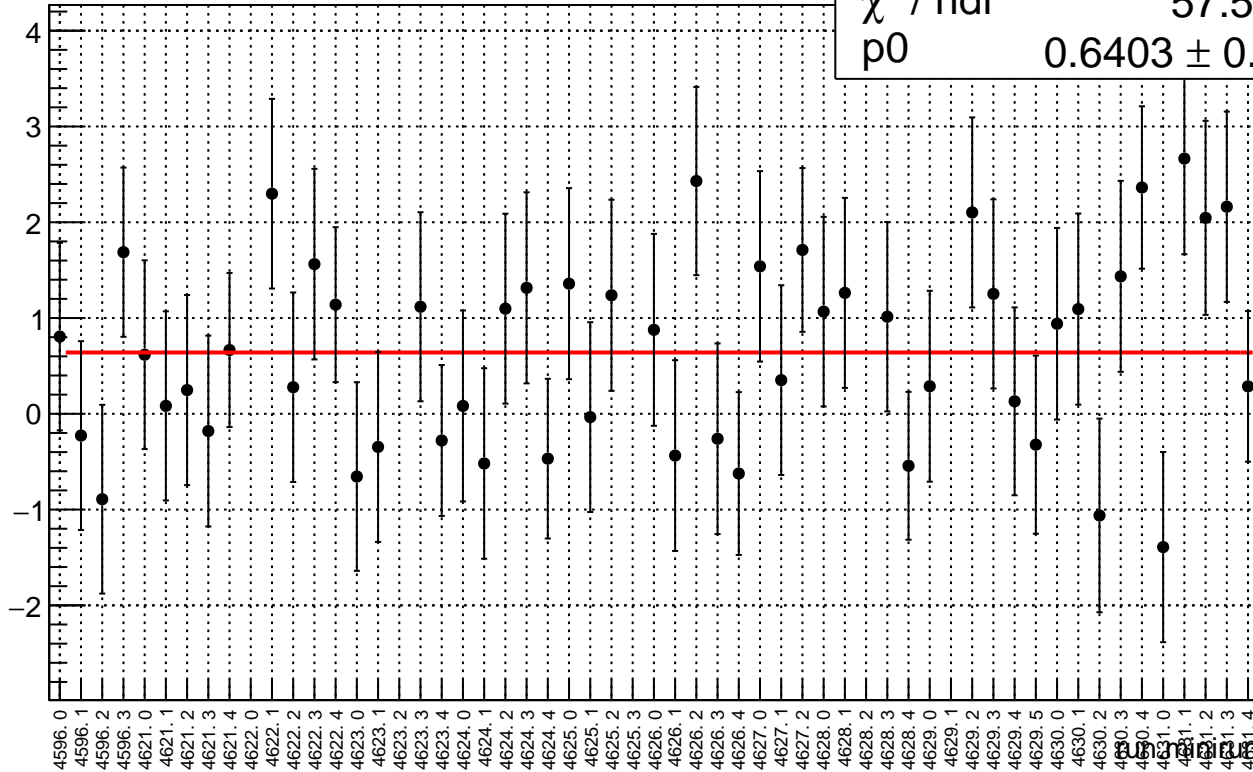
sum of squares



reg\_asym\_us\_avg\_mean/ppm

reg\_asym\_us\_avg\_mean/ppm

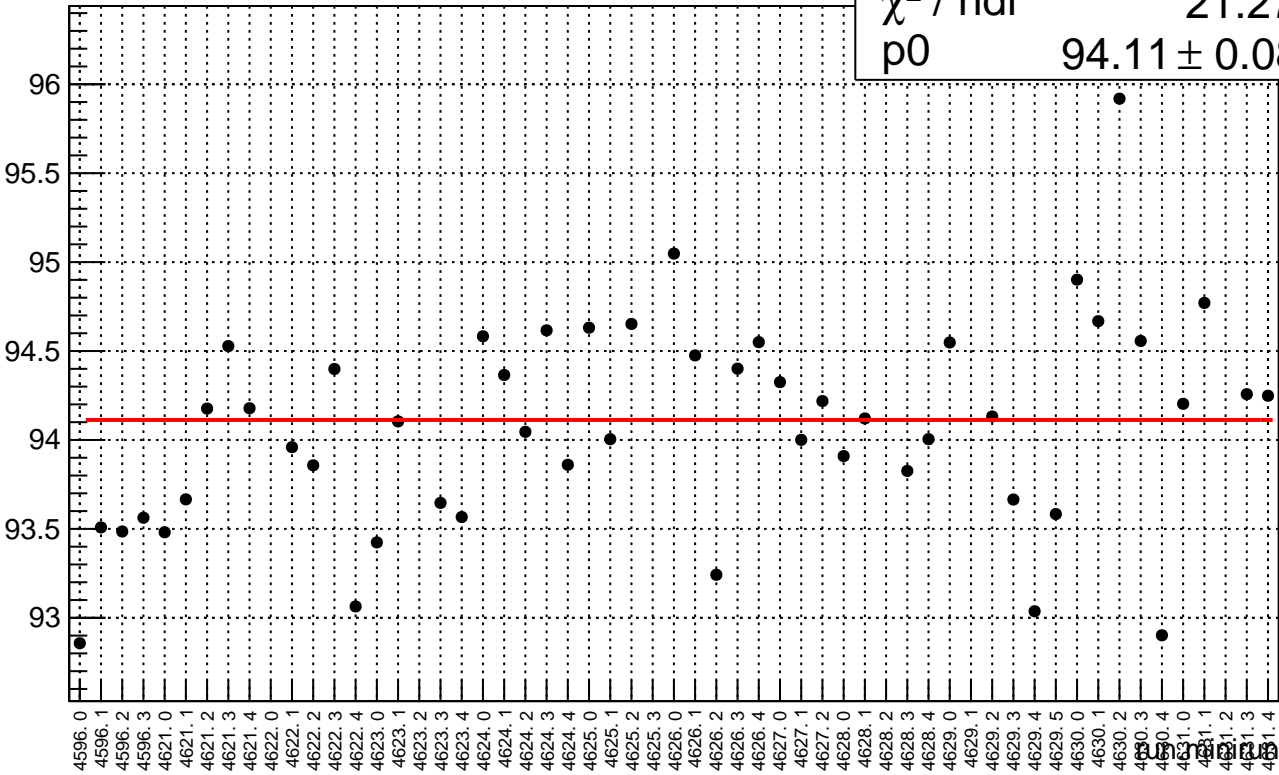
$\chi^2 / \text{ndf}$  57.52 / 51  
p0  $0.6403 \pm 0.1318$



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

reg\_asym\_us\_avg\_rms/ppm

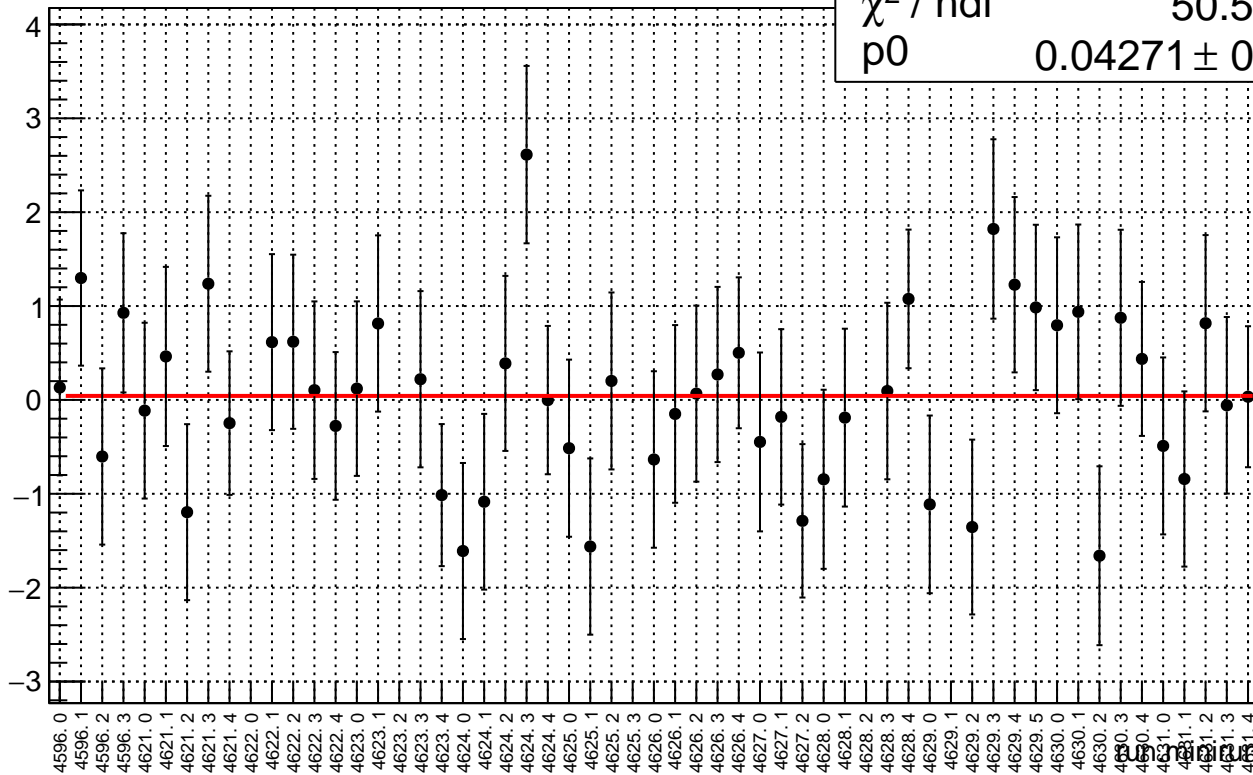
$\chi^2 / \text{ndf}$  21.27 / 51  
p0  $94.11 \pm 0.08955$



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

reg\_asym\_us\_dd\_mean/ppm

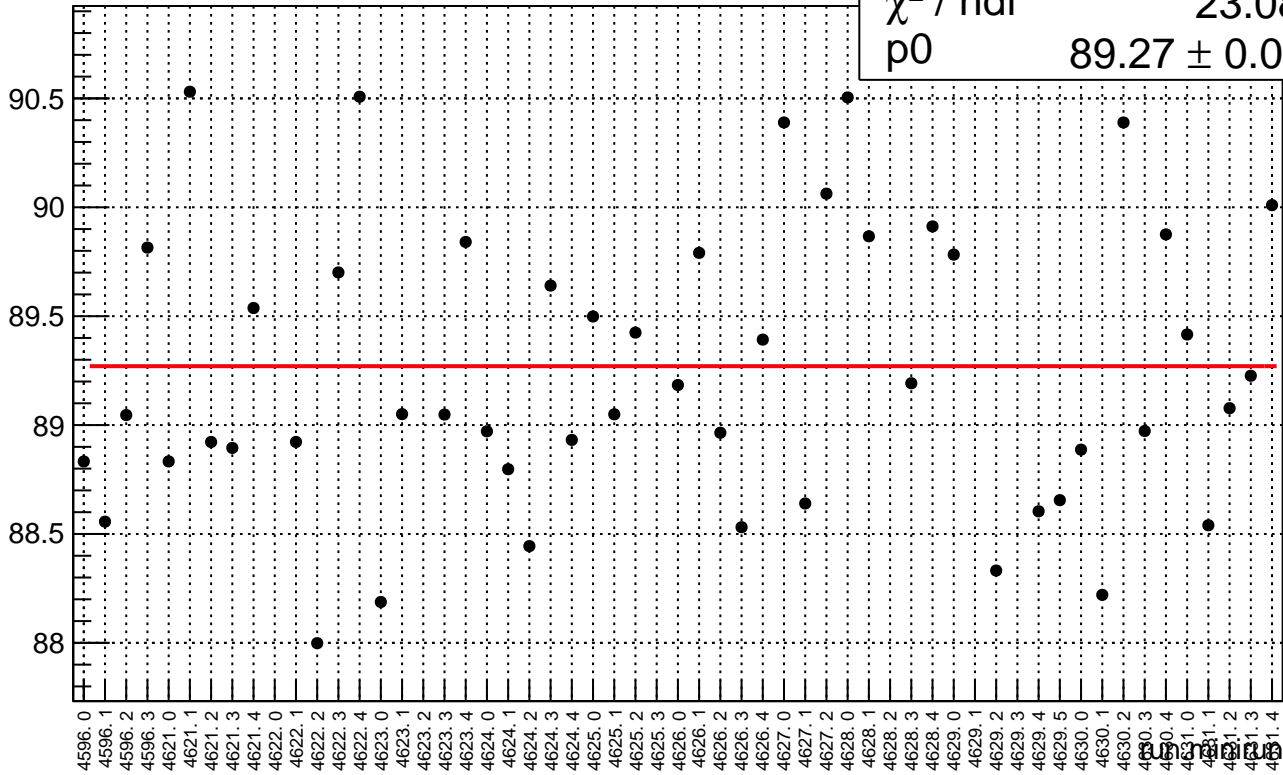
$\chi^2 / \text{ndf}$  50.57 / 51  
 p0 0.04271 ± 0.1251



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

$\chi^2 / \text{ndf}$  23.08 / 51  
 p0  $89.27 \pm 0.09329$

reg\_asym\_us\_dd\_rms/ppm



run number