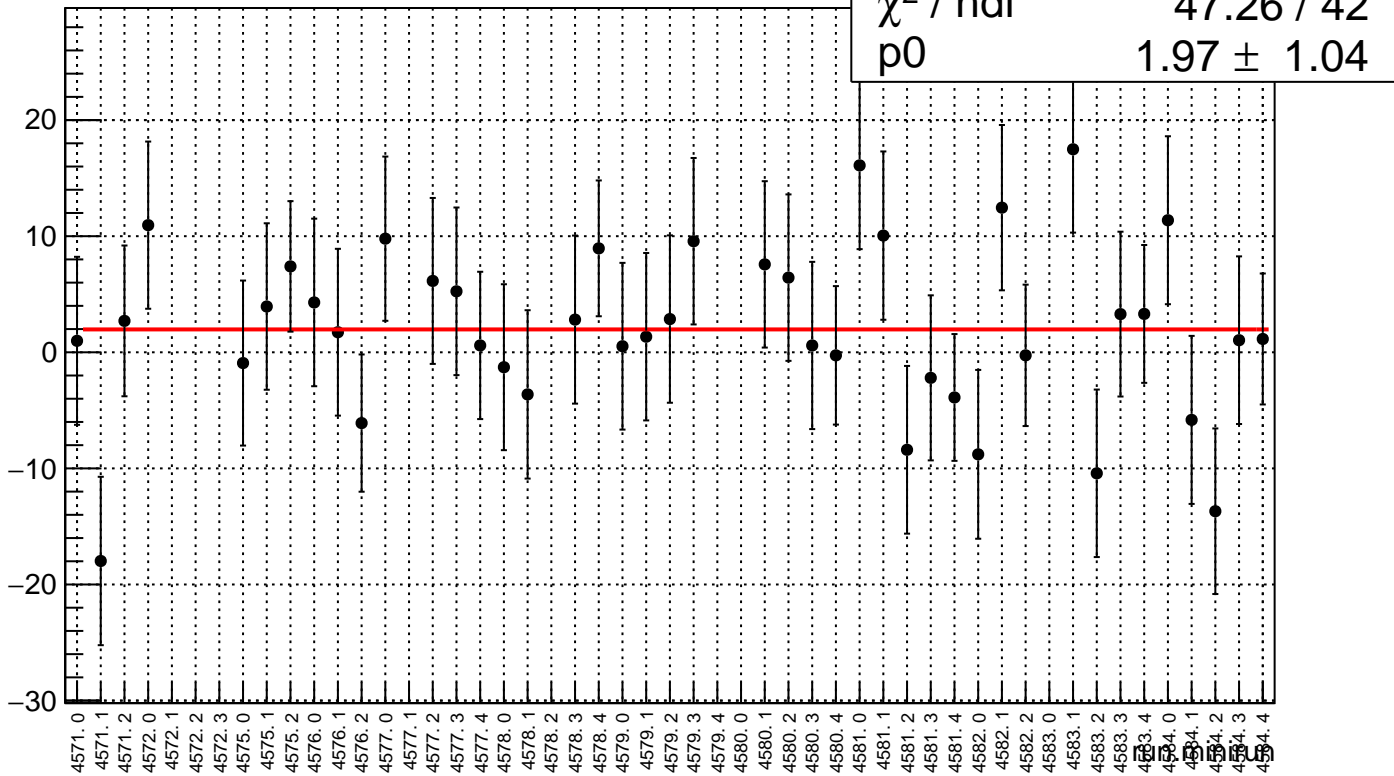


# reg\_asym\_atl1\_mean/ppm

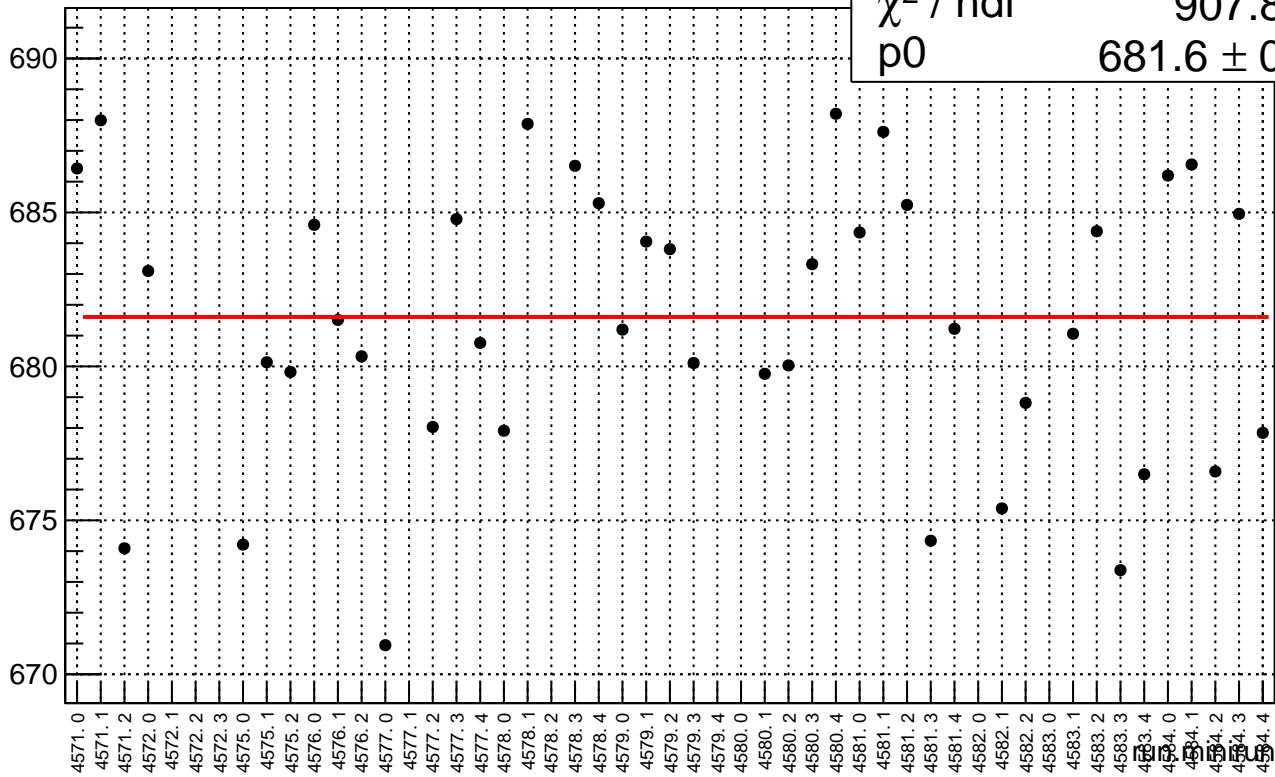
reg\_asym\_atl1\_mean/ppm



# reg\_asym\_atl1\_rms/ppm

reg\_asym\_atl1\_rms/ppm

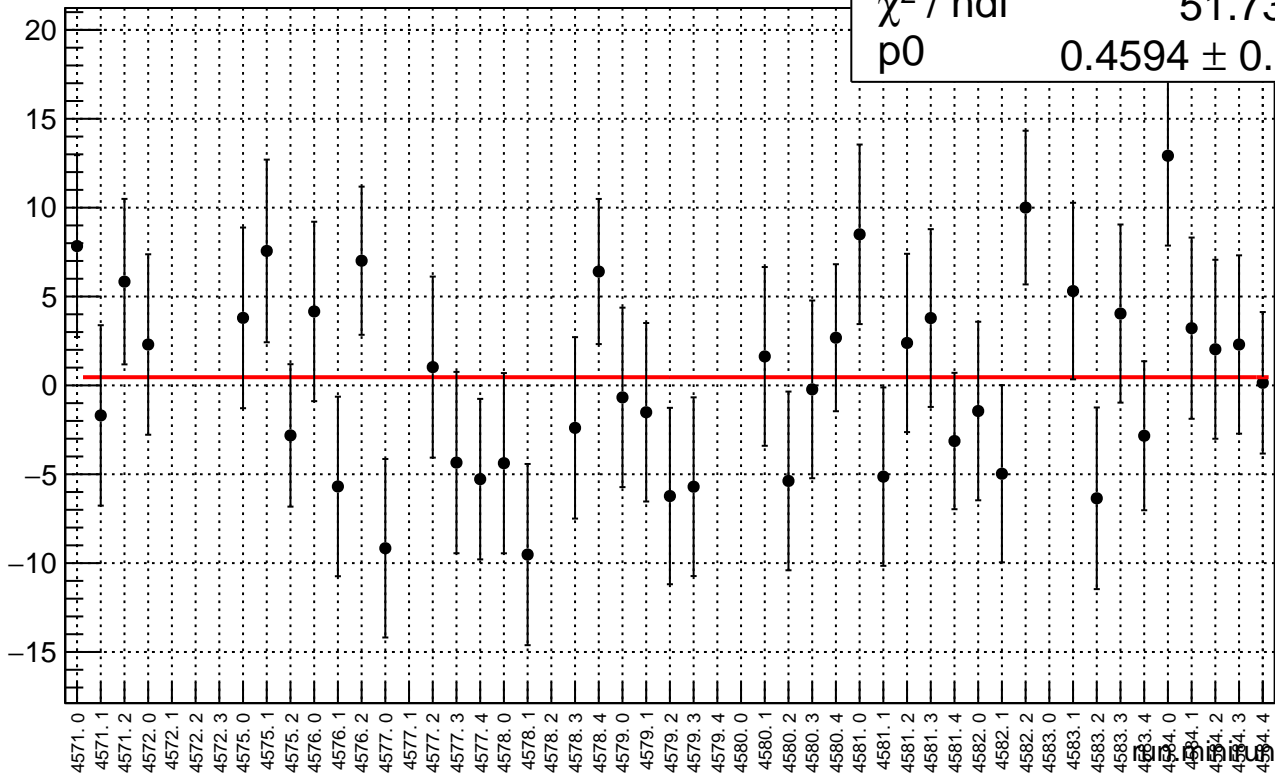
$\chi^2 / \text{ndf}$  907.8 / 42  
 p0  $681.6 \pm 0.709$



# reg\_asym\_atl2\_mean/ppm

reg\_asym\_atl2\_mean/ppm

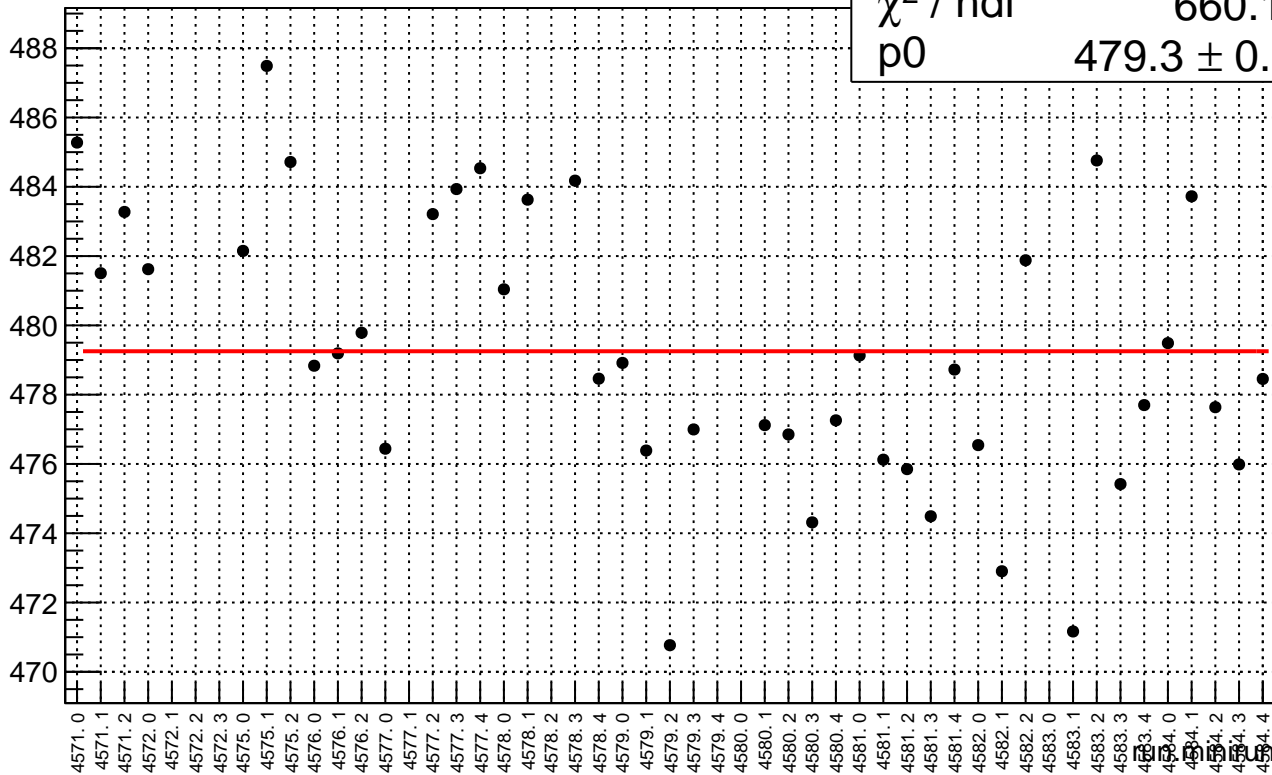
$\chi^2 / \text{ndf}$  51.73 / 42  
 p0  $0.4594 \pm 0.7312$



# reg\_asym\_atl2\_rms/ppm

reg\_asym\_atl2\_rms/ppm

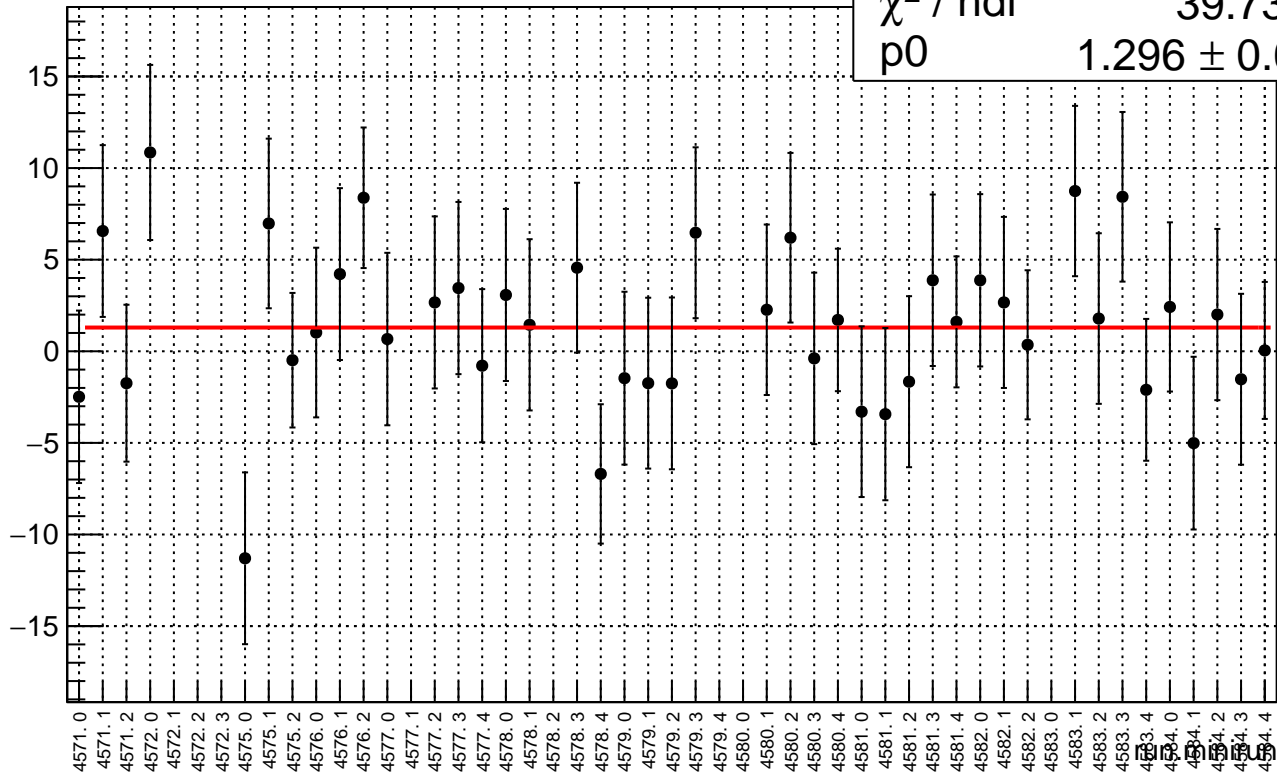
$\chi^2 / \text{ndf}$  660.1 / 42  
 p0 479.3 ± 0.6046



reg\_asym\_atr1\_mean/ppm

$\chi^2 / \text{ndf}$  39.73 / 42  
p0  $1.296 \pm 0.6779$

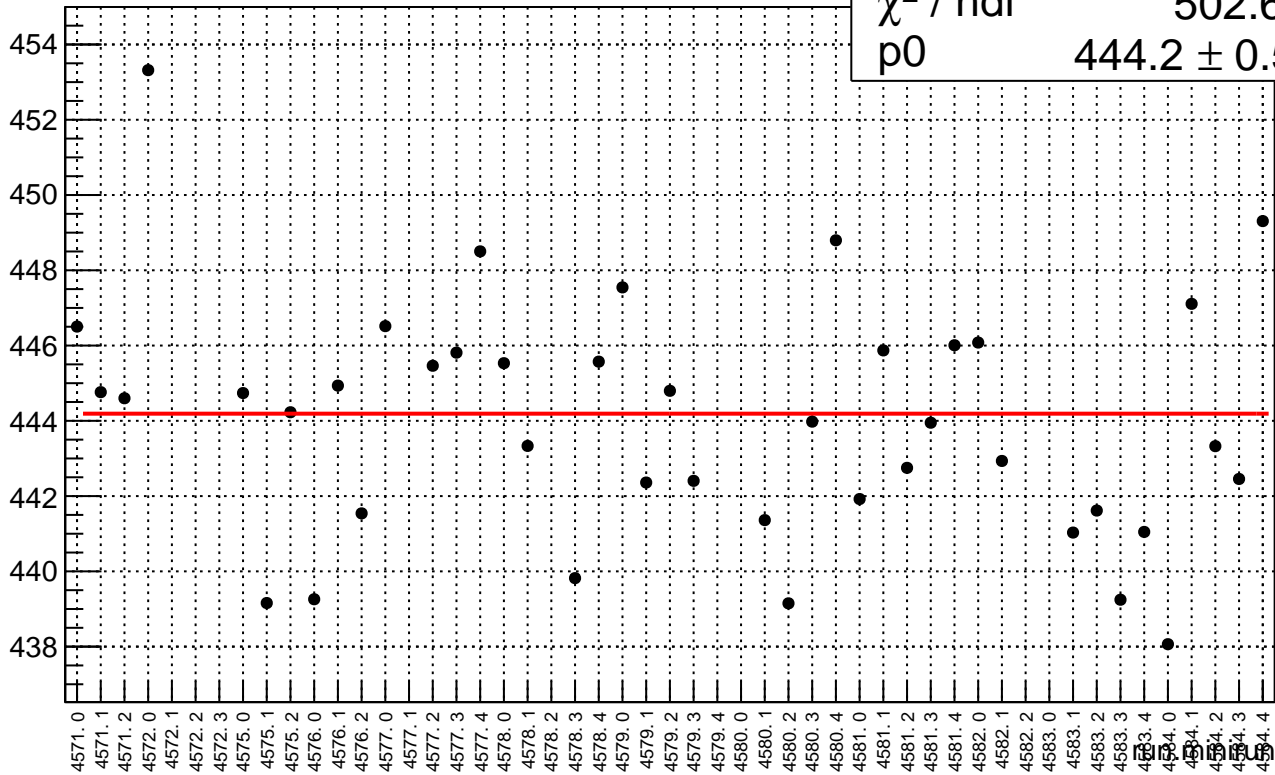
reg\_asym\_atr1\_mean/ppm



# reg\_asym\_atr1\_rms/ppm

reg\_asym\_atr1\_rms/ppm

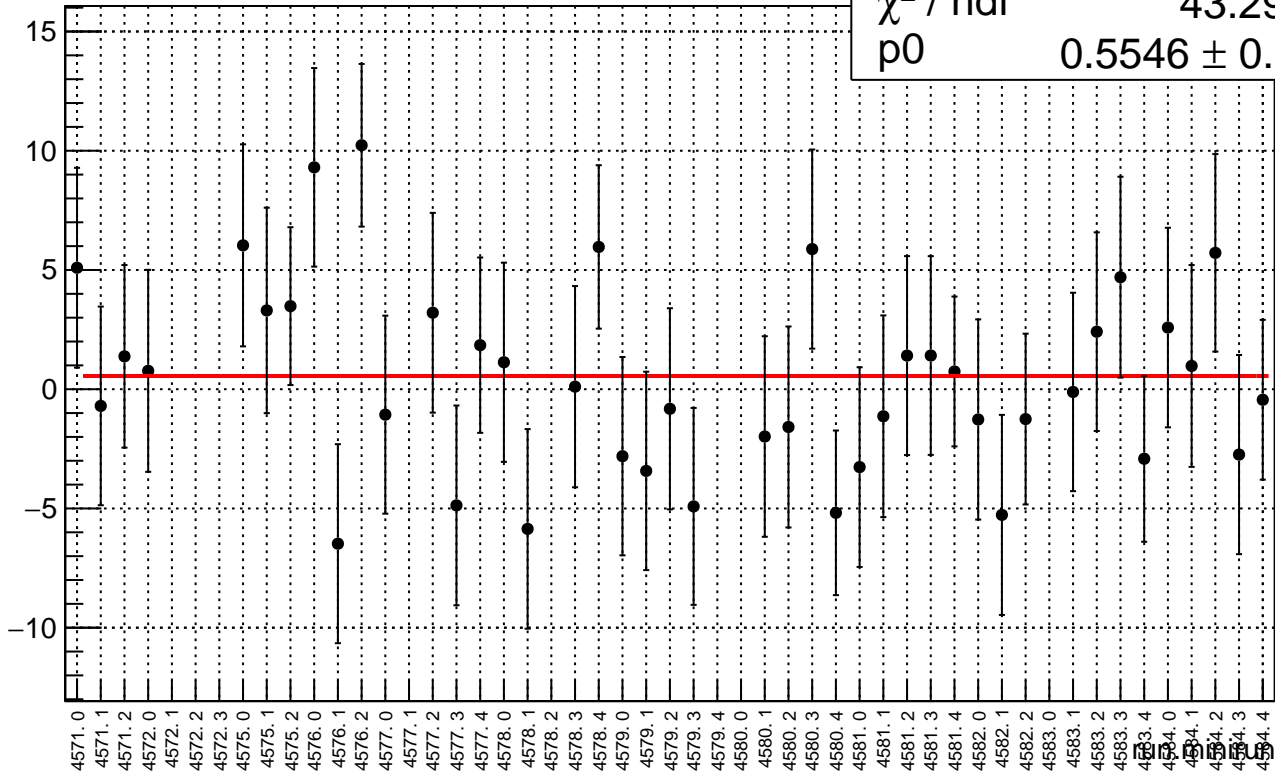
$\chi^2 / \text{ndf}$  502.6 / 42  
 p0  $444.2 \pm 0.5276$



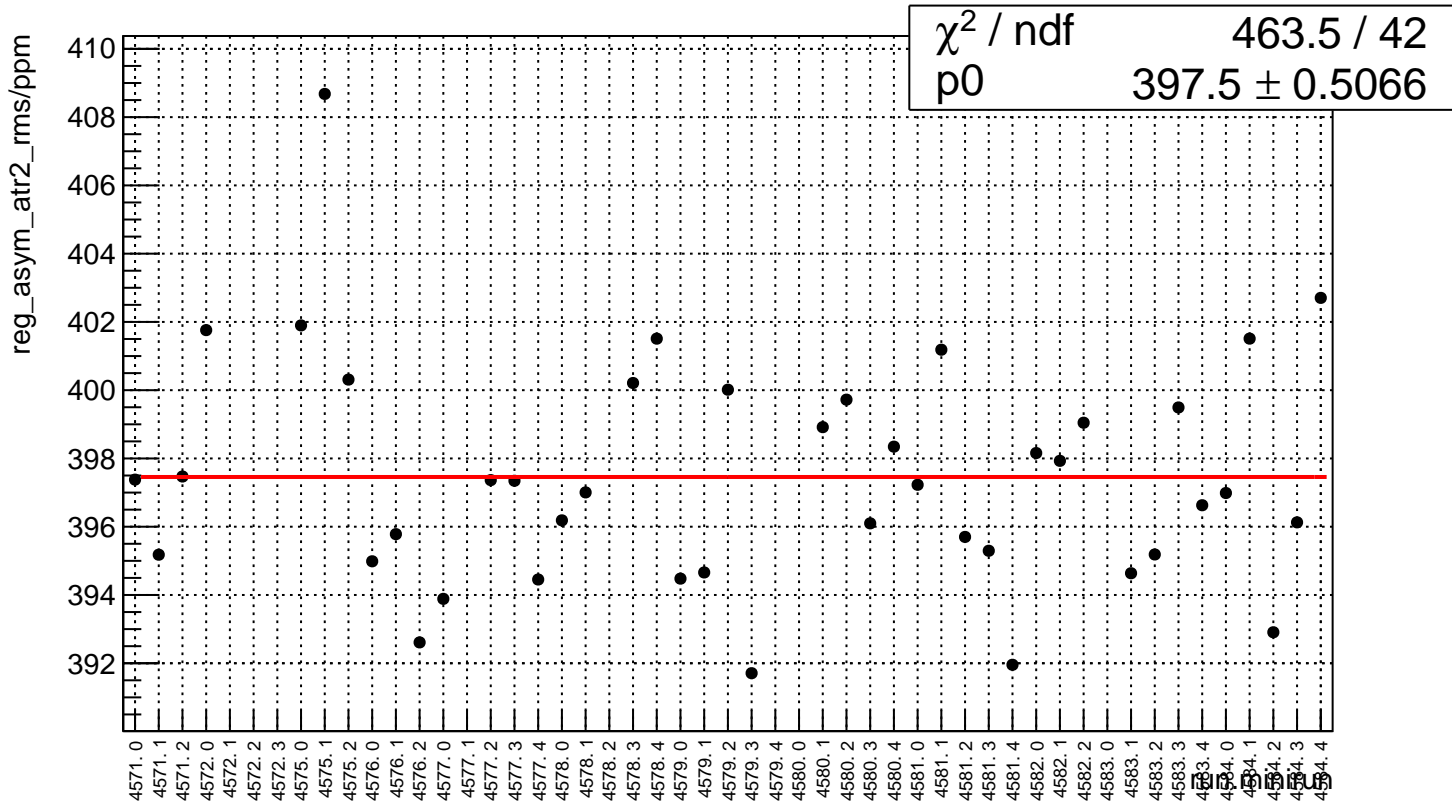
# reg\_asym\_atr2\_mean/ppm

$\chi^2 / \text{ndf}$  43.29 / 42  
 p0  $0.5546 \pm 0.6063$

reg\_asym\_atr2\_mean/ppm



# reg\_asym\_atr2\_rms/ppm

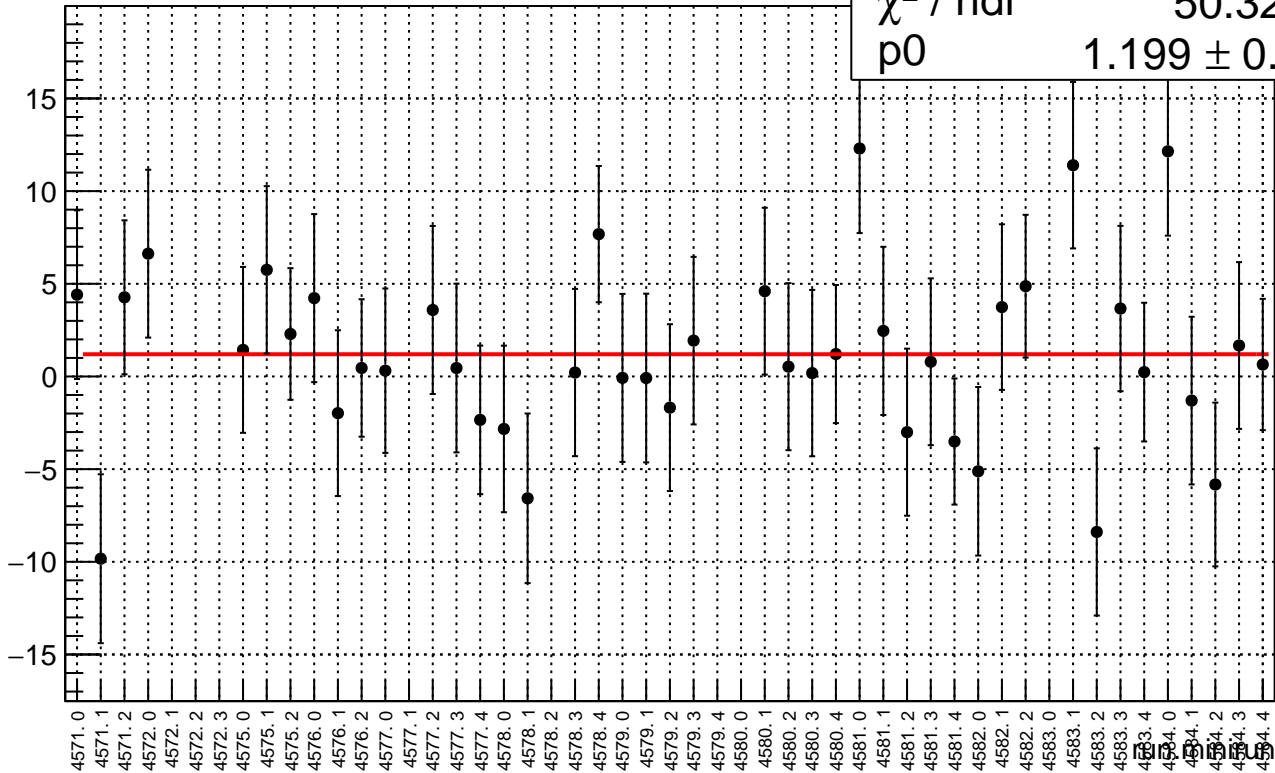




# reg\_asym\_atl\_avg\_mean/ppm

reg\_asym\_atl\_avg\_mean/ppm

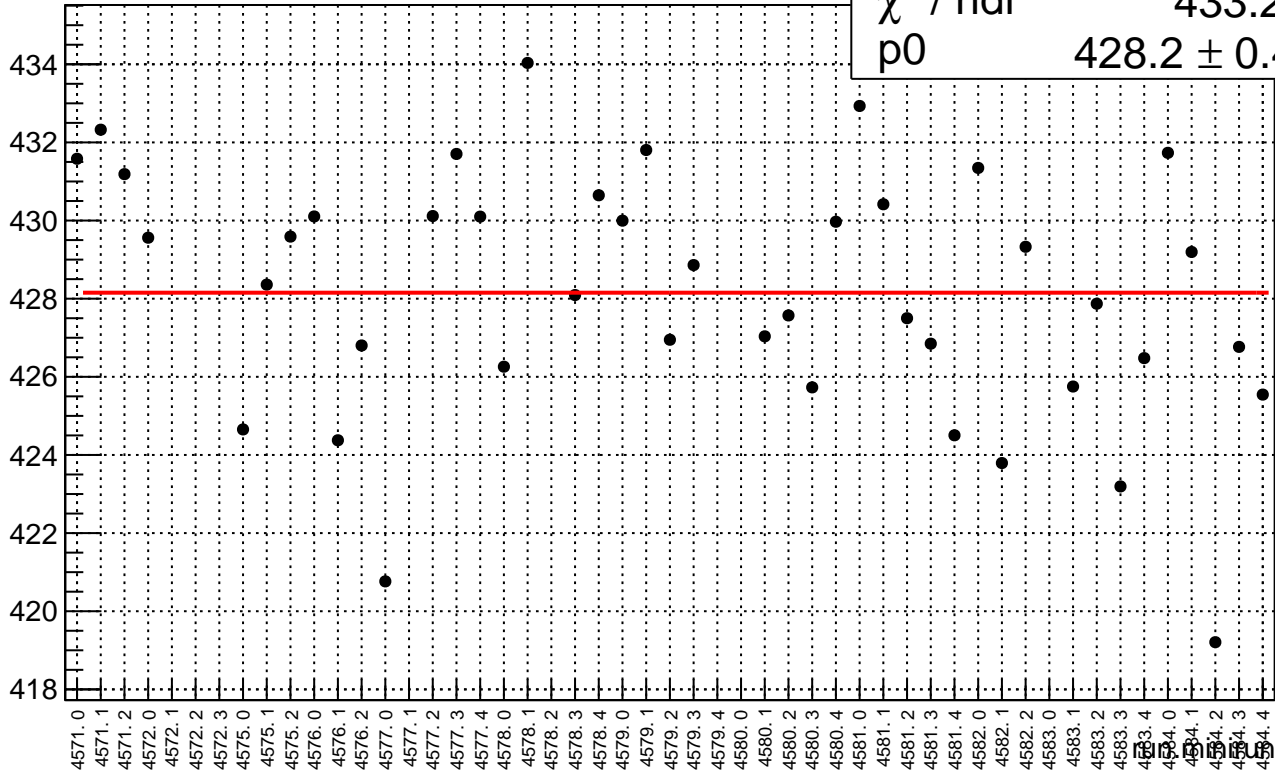
$\chi^2 / \text{ndf}$  50.32 / 42  
 p0  $1.199 \pm 0.6531$



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

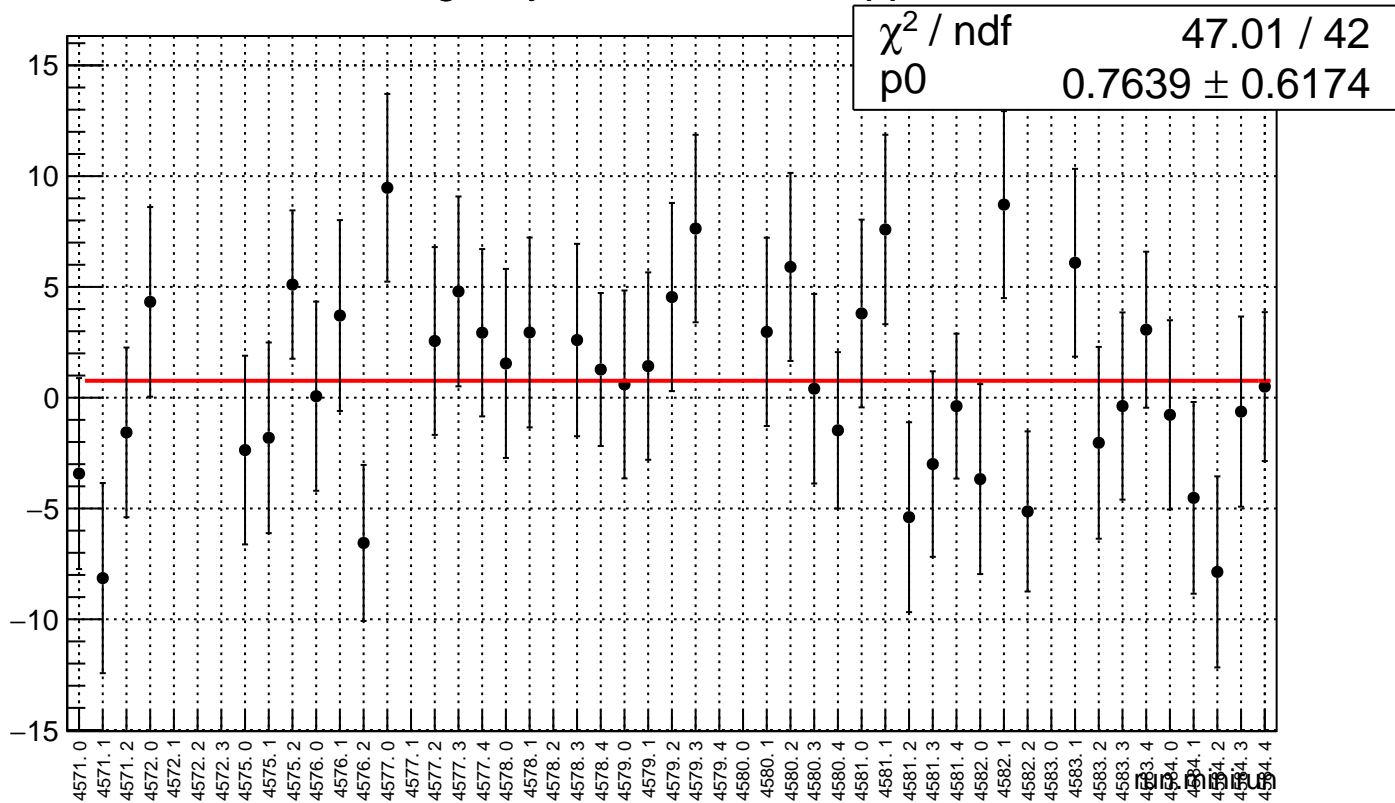
$\chi^2 / \text{ndf}$  433.2 / 42  
 p0 428.2 ± 0.4898

reg\_asym\_atl\_avg\_rms/ppm



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

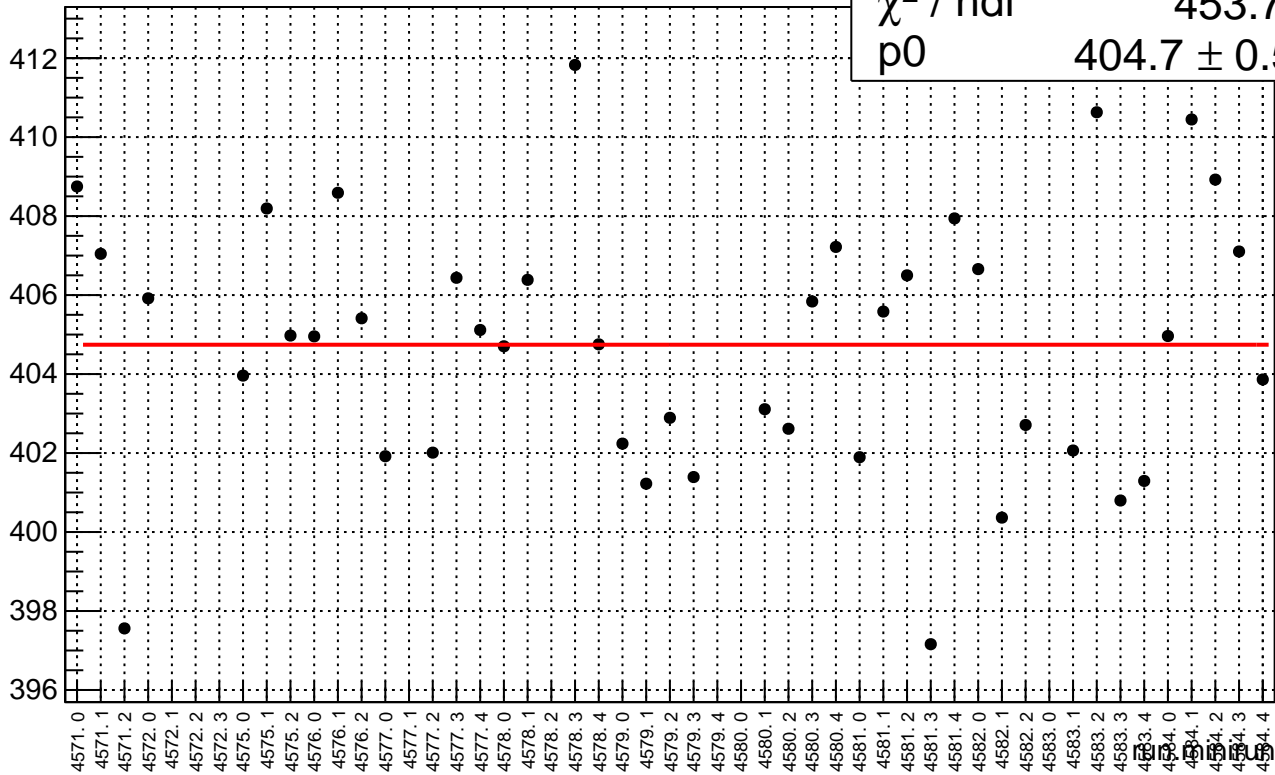
reg\_asym\_atl\_dd\_mean/ppm



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

reg\_asym\_atl\_dd\_rms/ppm

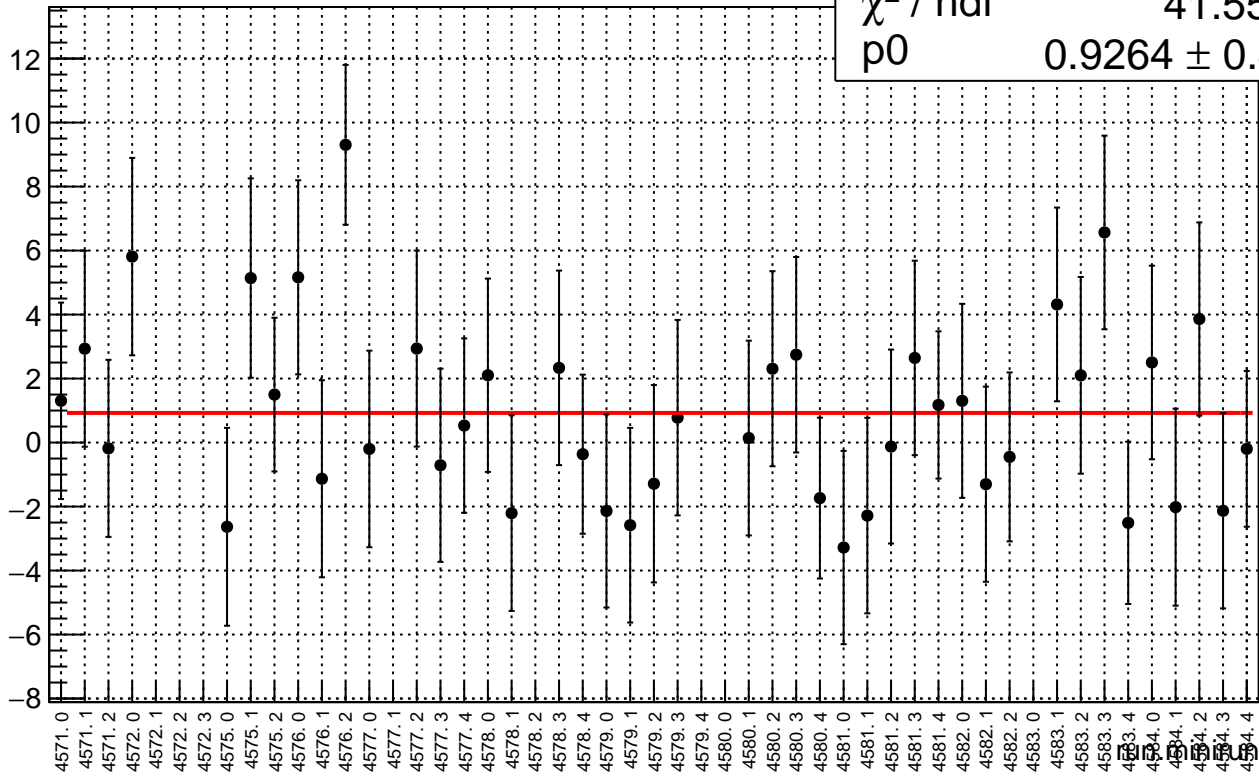
$\chi^2 / \text{ndf}$  453.7 / 42  
 p0 404.7 ± 0.5012



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

reg\_asym\_atr\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  41.55 / 42  
 p0  $0.9264 \pm 0.4418$

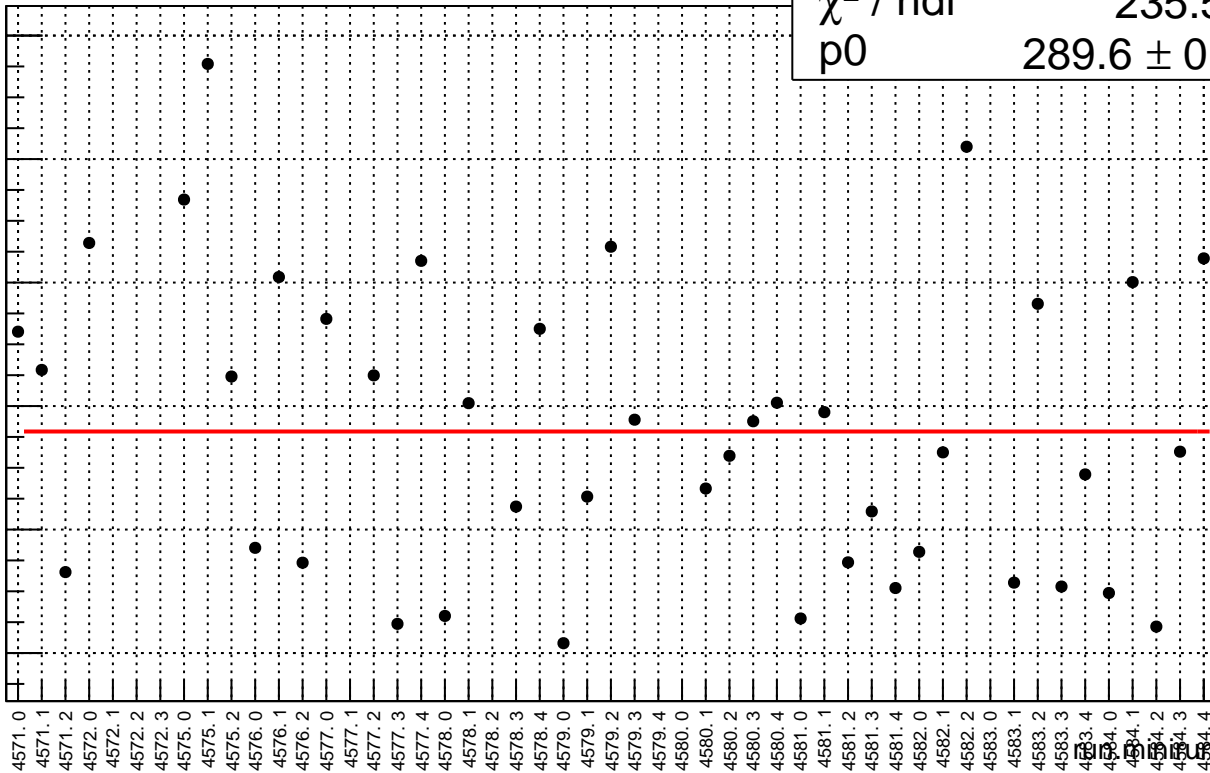


# reg\_asym\_atr\_avg\_rms/ppm

reg\_asym\_atr\_avg\_rms/ppm

296  
294  
292  
290  
288  
286

$\chi^2 / \text{ndf}$  235.5 / 42  
p0  $289.6 \pm 0.3611$



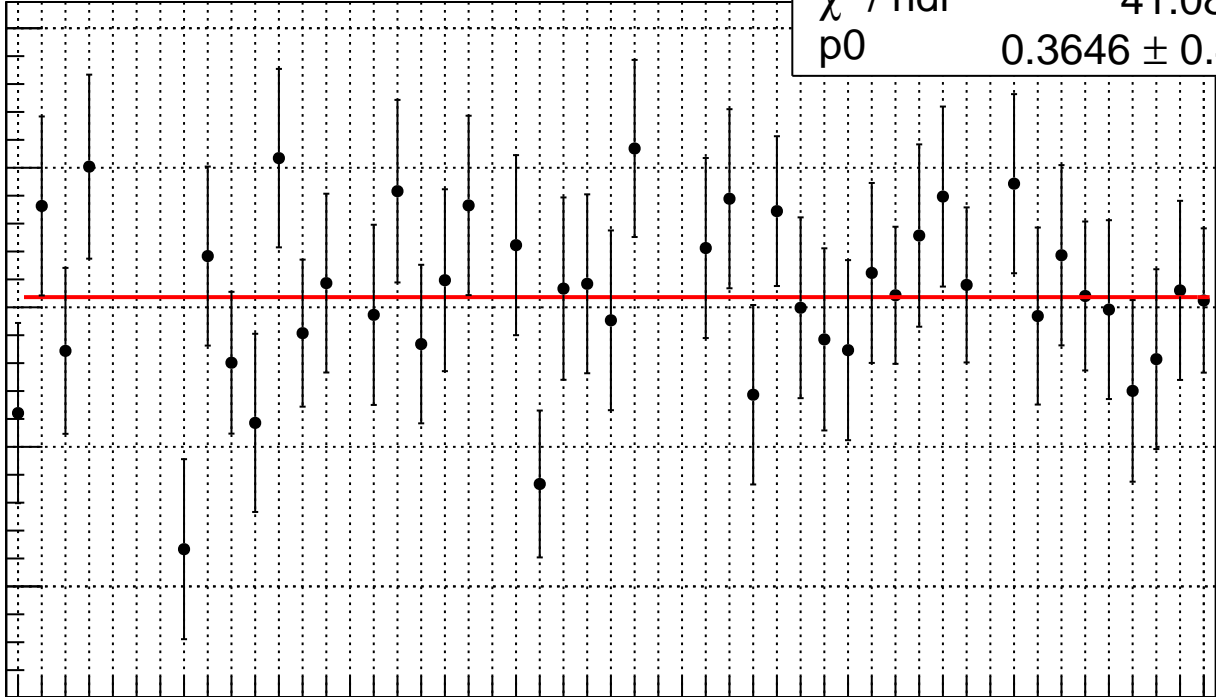
# reg\_asym\_atr\_dd\_mean/ppm

reg\_asym\_atr\_dd\_mean/ppm

10  
5  
0  
-5  
-10

$\chi^2 / \text{ndf}$  41.08 / 42  
p0  $0.3646 \pm 0.4673$

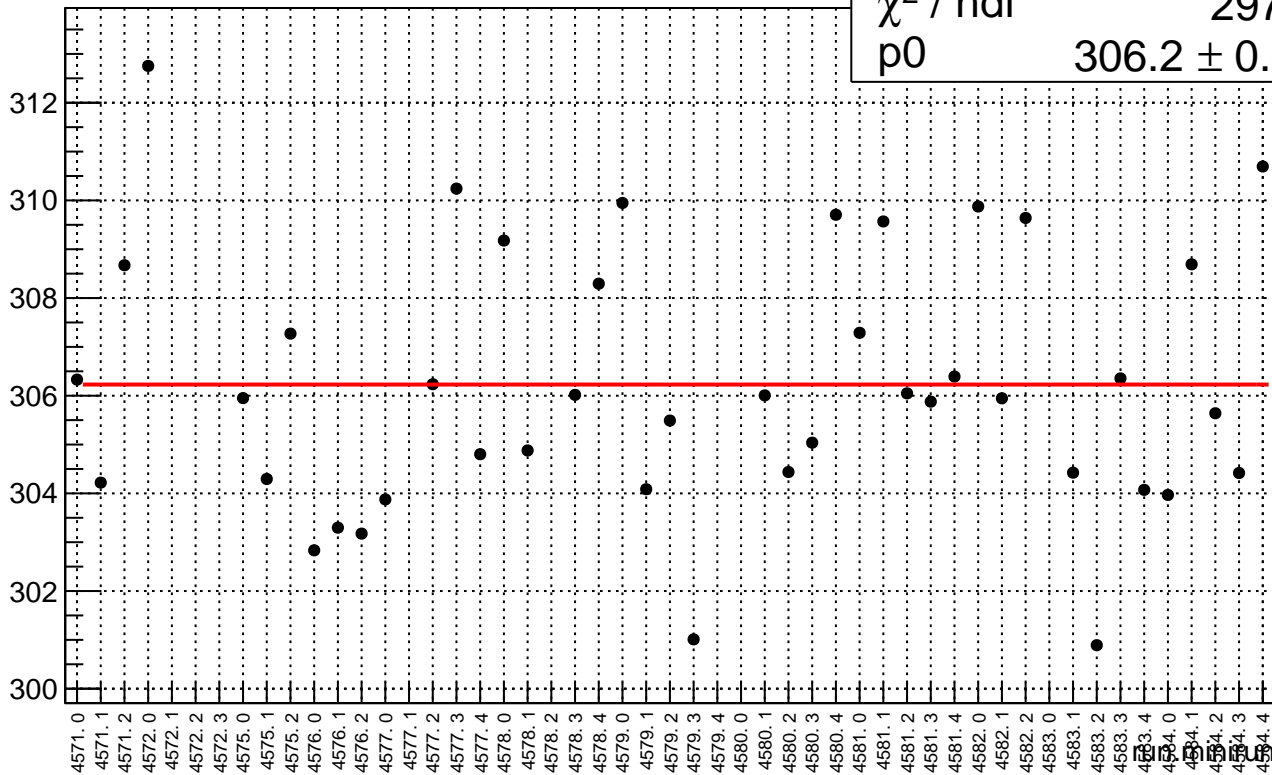
4571.0 4571.1 4571.2 4572.0 4572.1 4572.2 4572.3 4575.0 4575.1 4575.2 4576.0 4576.1 4576.2 4577.0 4577.1 4577.2 4577.3 4577.4 4578.0 4578.1 4578.2 4578.3 4578.4 4579.0 4579.1 4579.2 4579.3 4579.4 4580.0 4580.1 4580.2 4580.3 4580.4 4581.0 4581.1 4581.2 4581.3 4581.4 4582.0 4582.1 4582.2 4583.0 4583.1 4583.2 4583.3 4583.4 4584.0 4584.1 4584.2 4584.3 4584.4



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

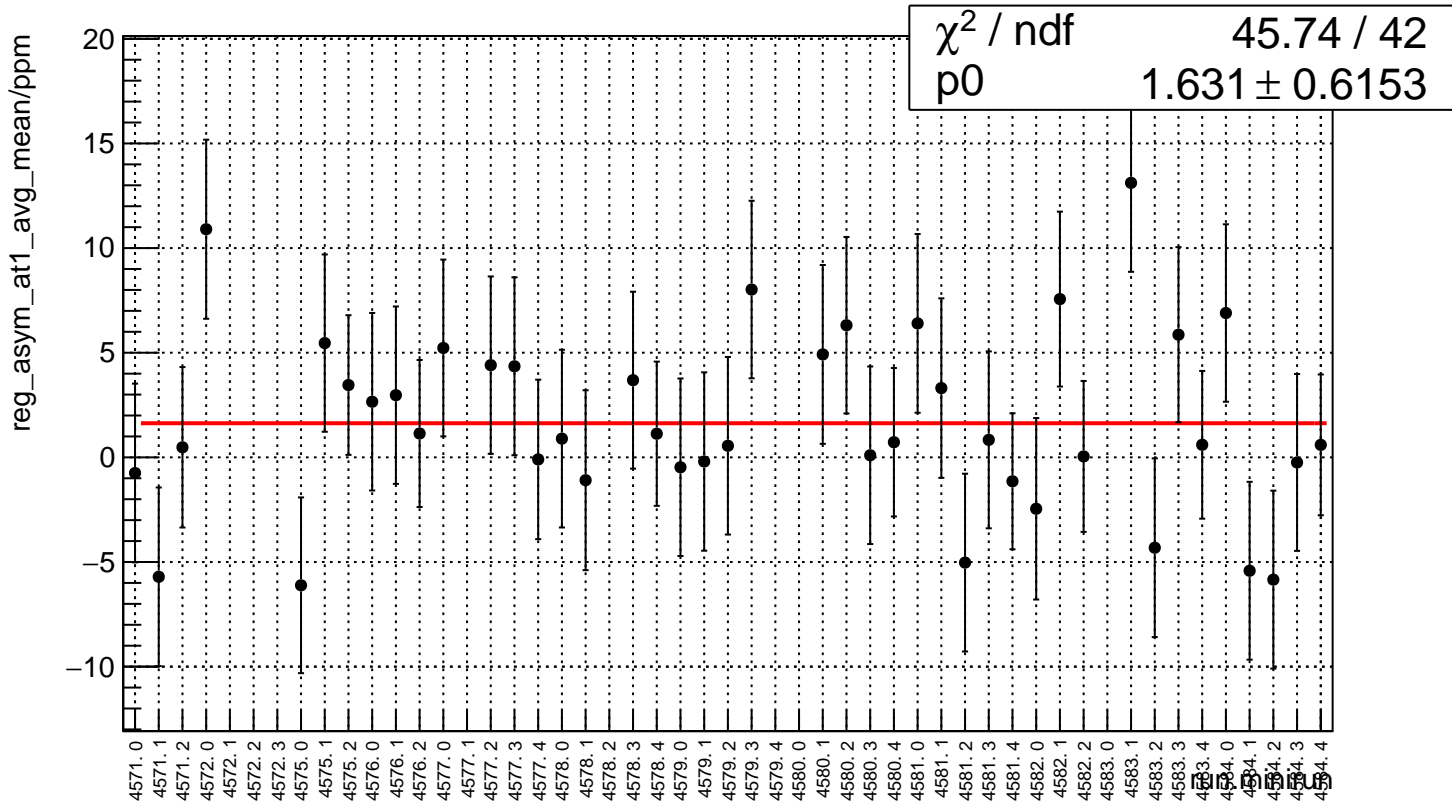
reg\_asym\_atr\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  297 / 42  
 p0  $306.2 \pm 0.4056$



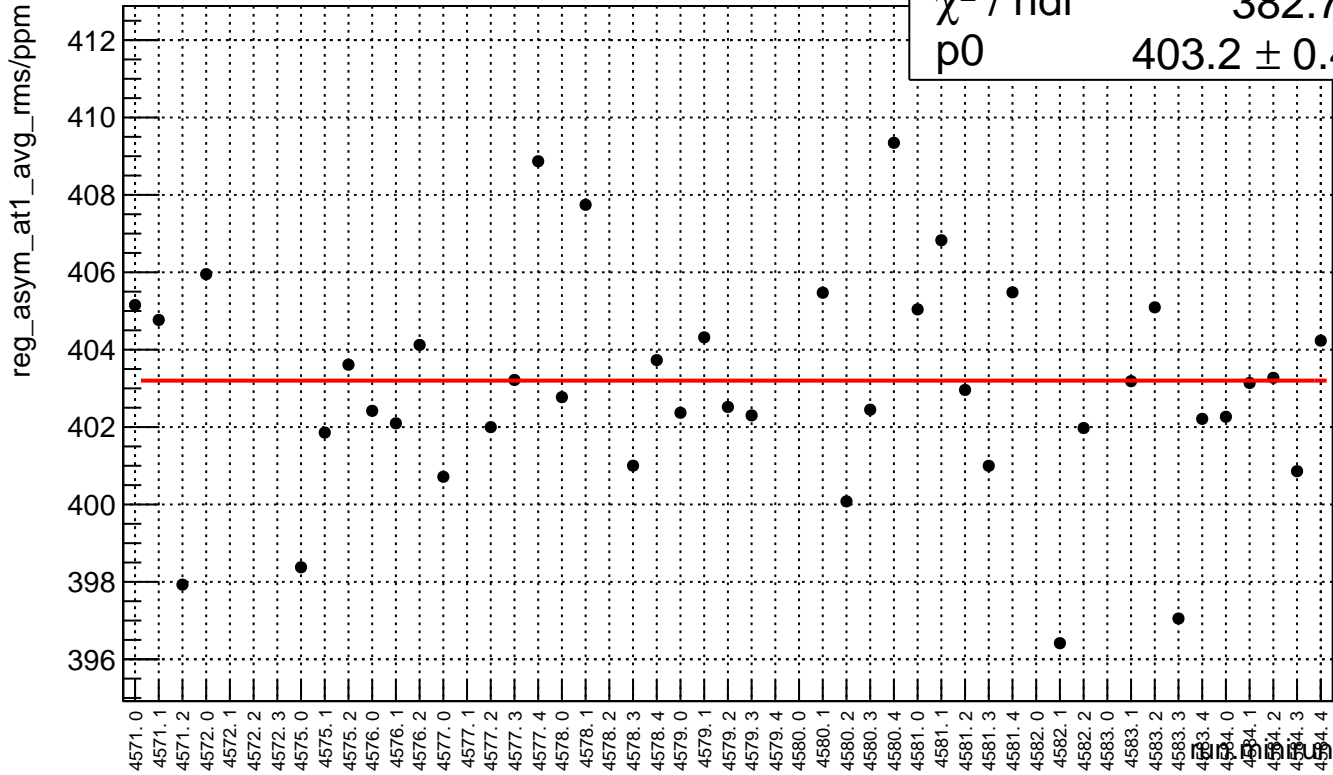


# reg\_asym\_at1\_avg\_mean/ppm



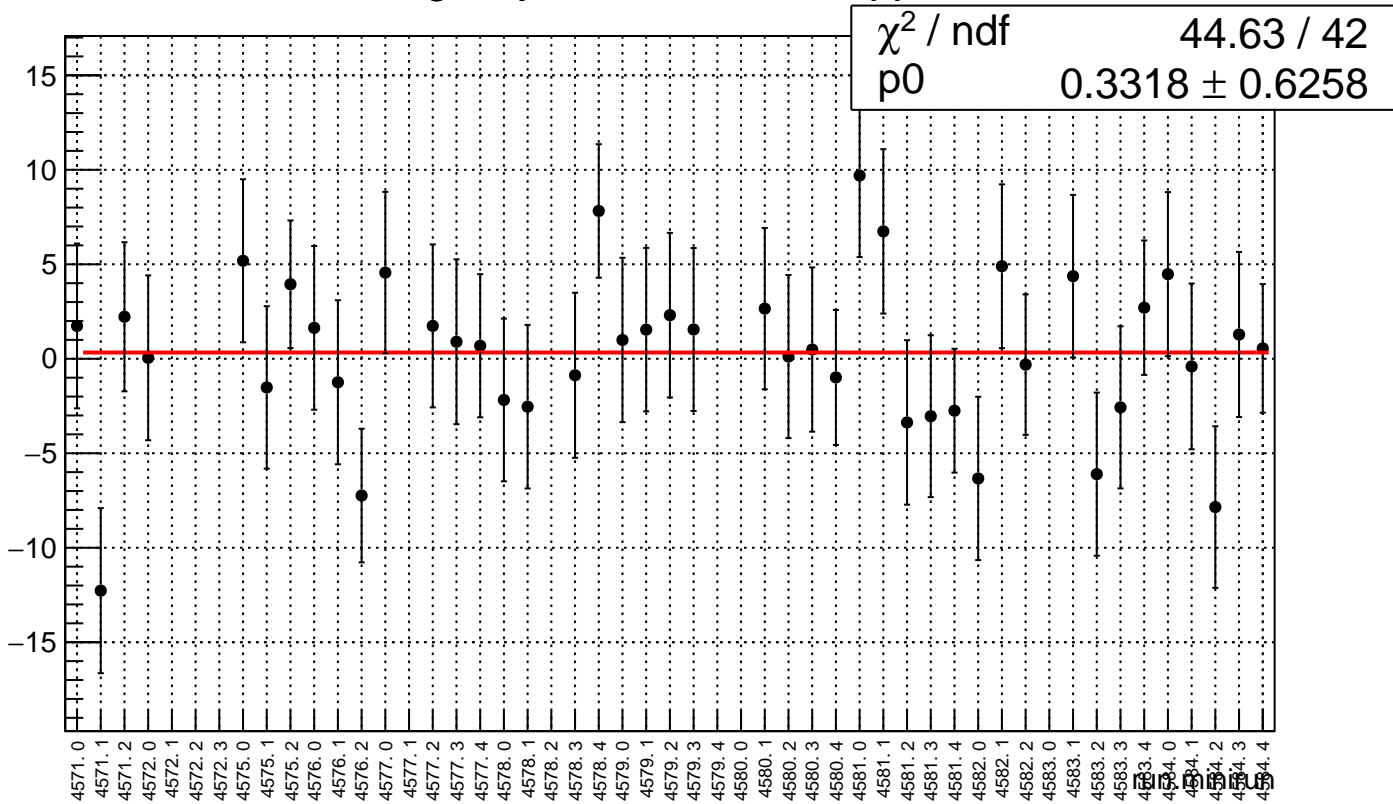
reg\_asym\_at1\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  382.7 / 42  
p0 403.2  $\pm$  0.4603



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

reg\_asym\_at1\_dd\_mean/ppm



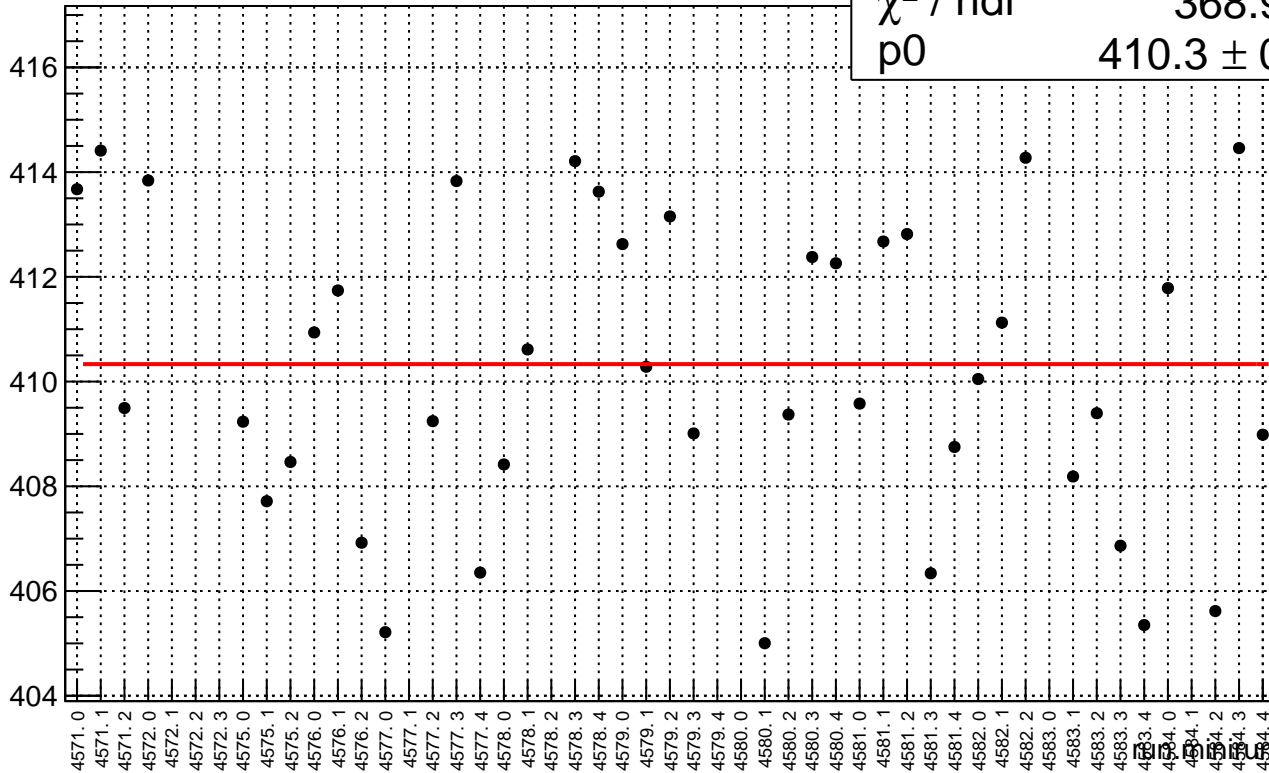
reg\_asym\_at1\_dd\_rms/ppm

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

368.9 / 42

$410.3 \pm 0.452$

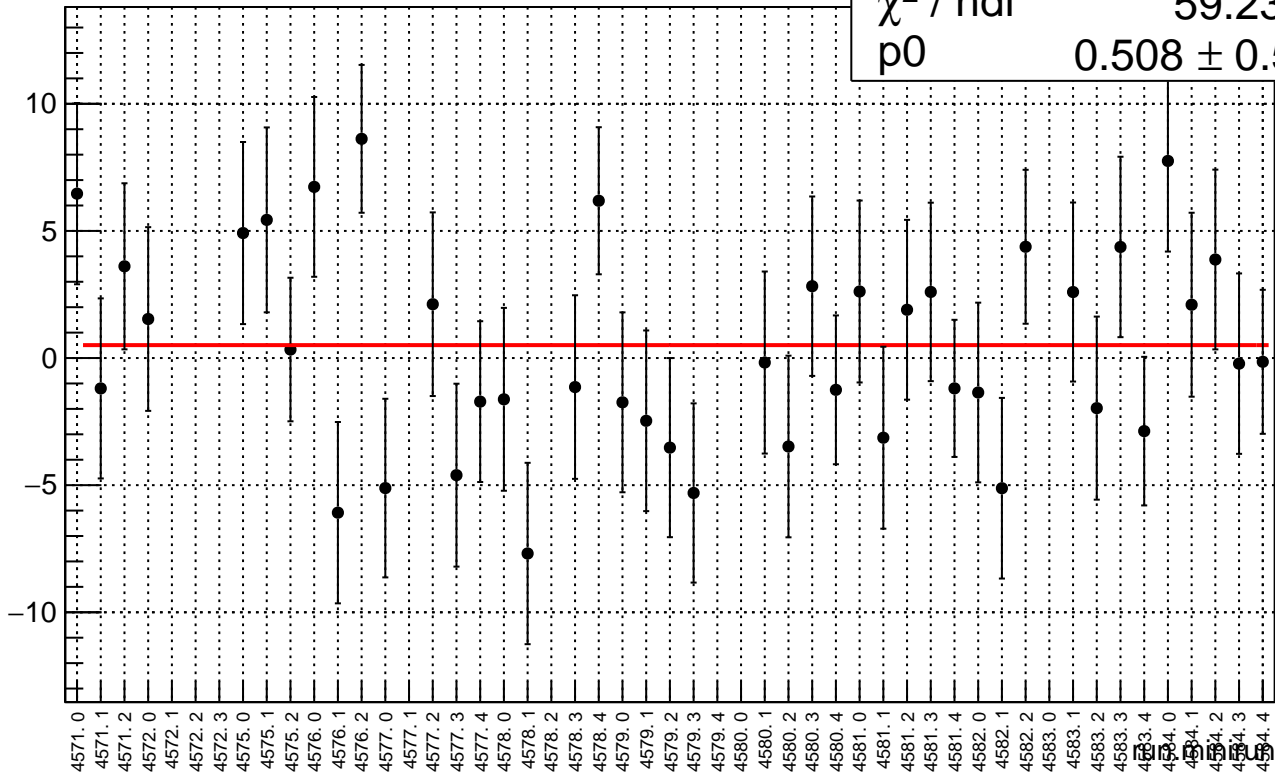
reg\_asym\_at1\_dd\_rms/ppm



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

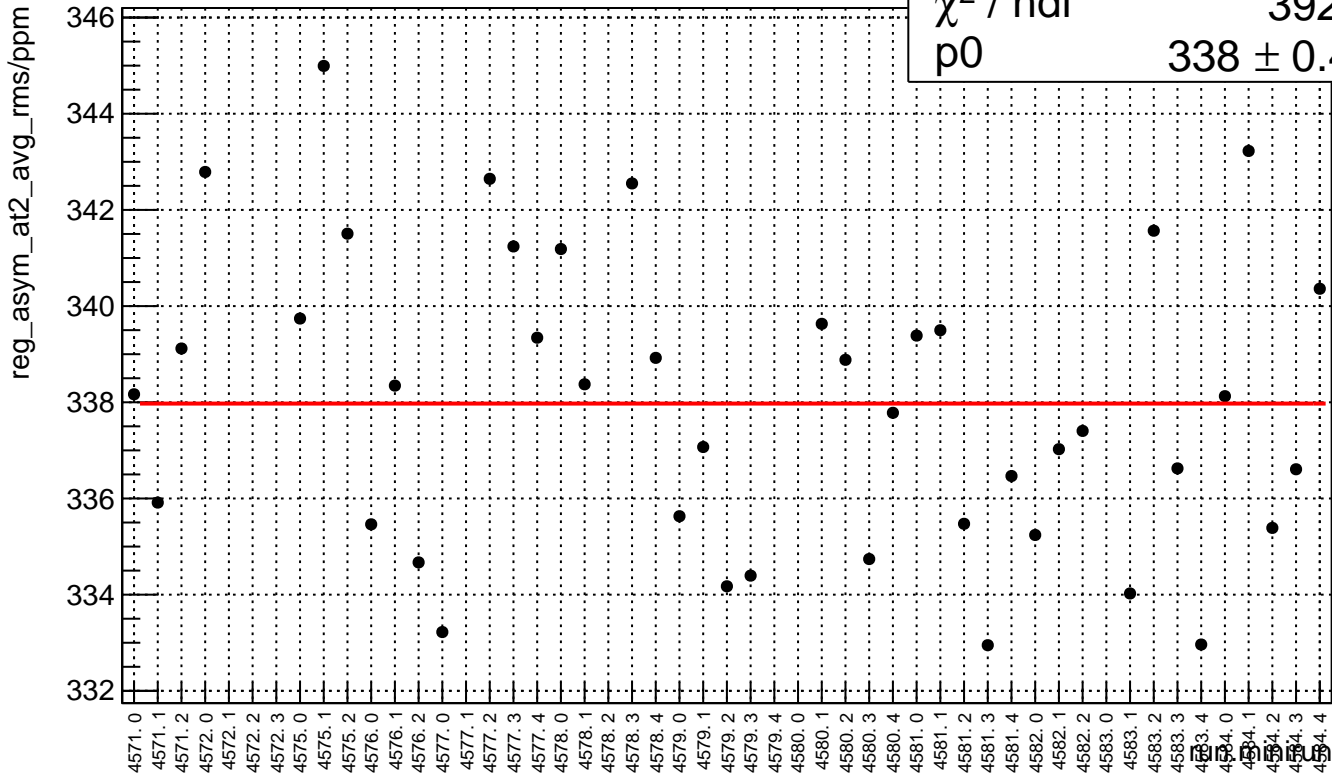
reg\_asym\_at2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  59.23 / 42  
 p0  $0.508 \pm 0.5155$



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

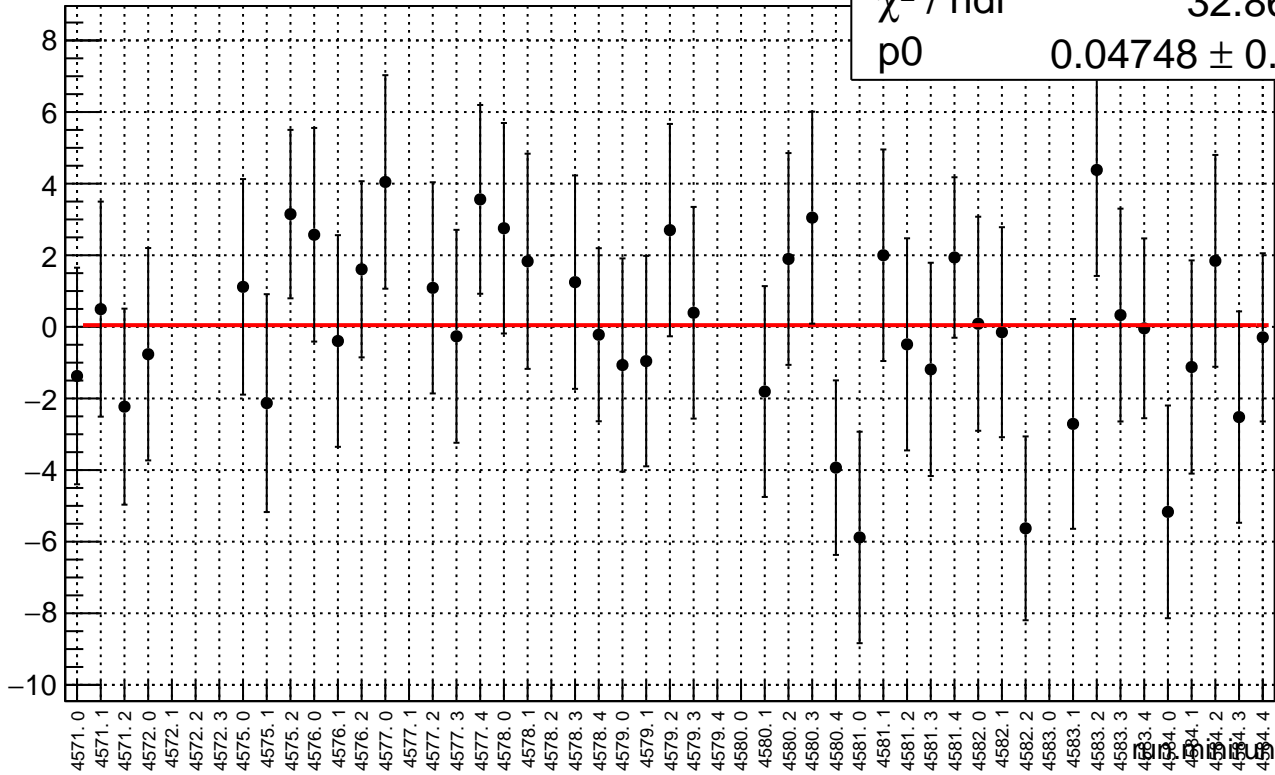
$\chi^2 / \text{ndf}$  392 / 42  
 p0 338 ± 0.4659



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

$\chi^2 / \text{ndf}$  32.86 / 42  
 p0 0.04748 ± 0.4305

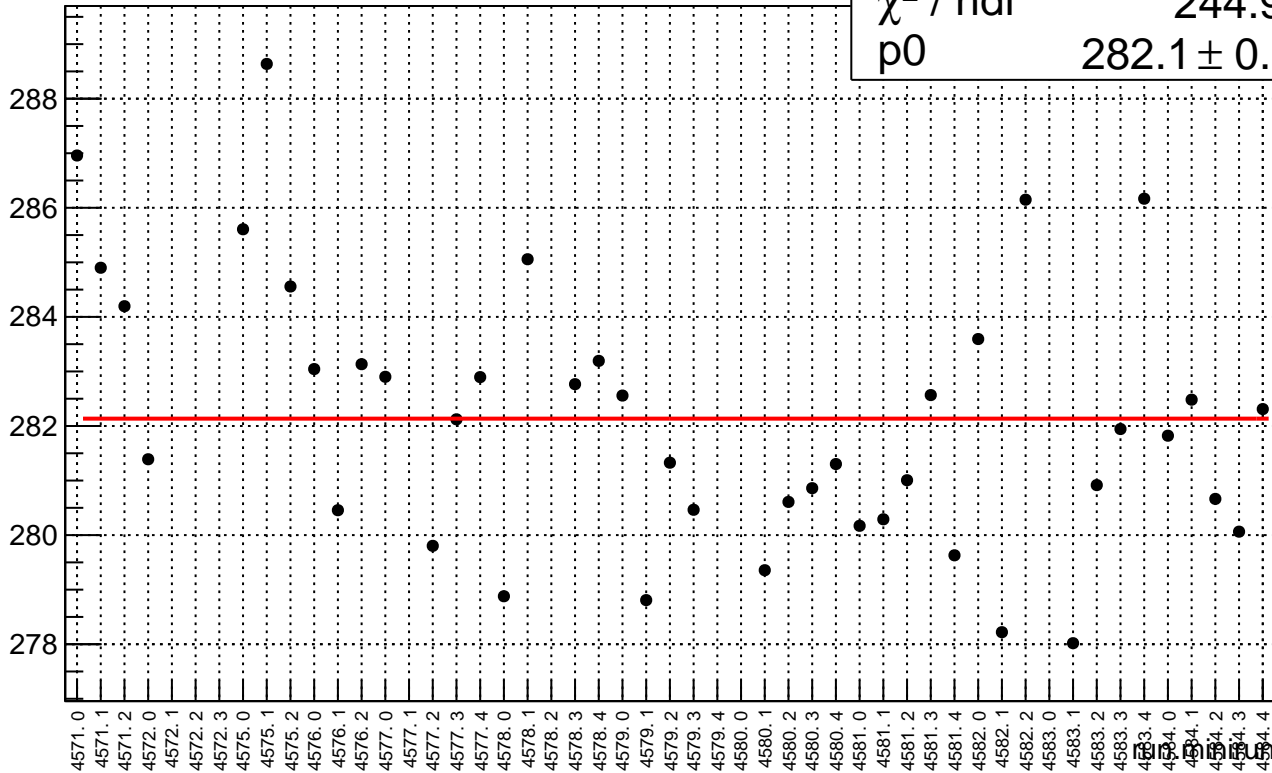
reg\_asym\_at2\_dd\_mean/ppm



reg\_asym\_at2\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  244.9 / 42  
p0  $282.1 \pm 0.3682$

reg\_asym\_at2\_dd\_rms/ppm

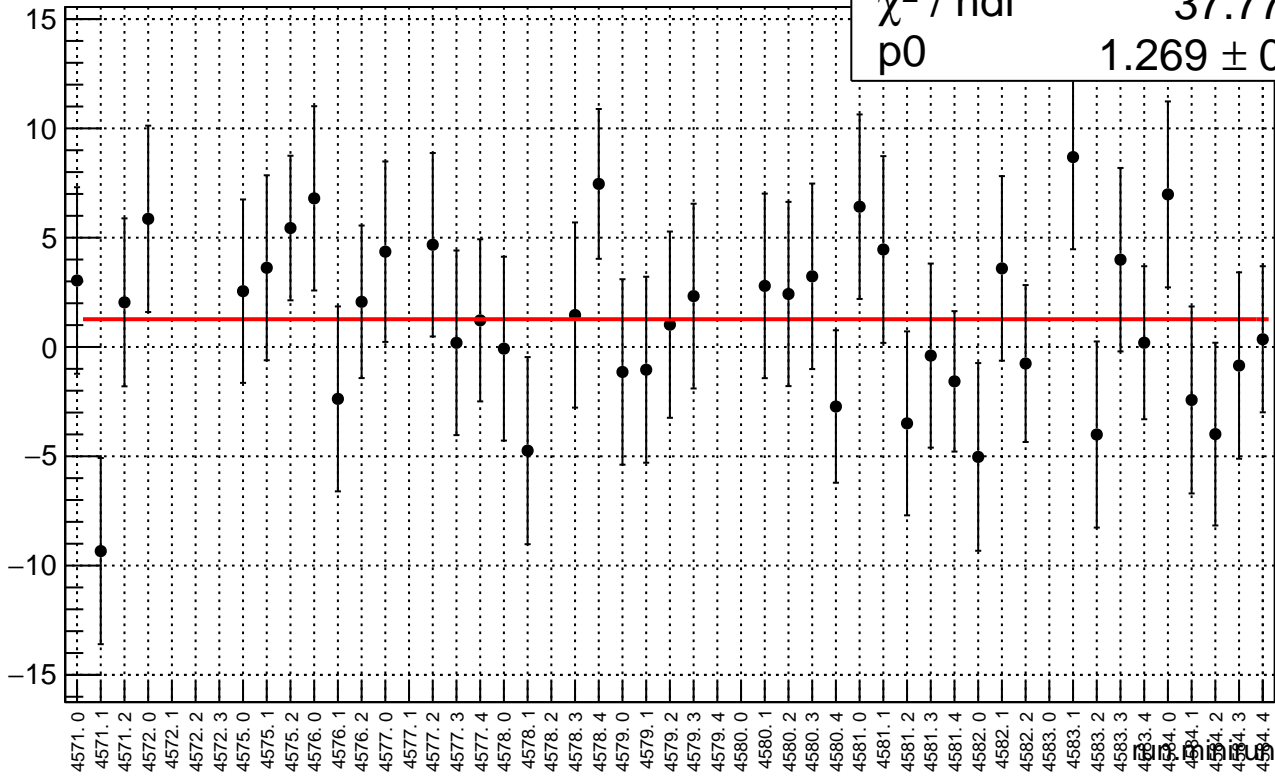




# reg\_asym\_at1r2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  37.77 / 42  
 p0  $1.269 \pm 0.612$

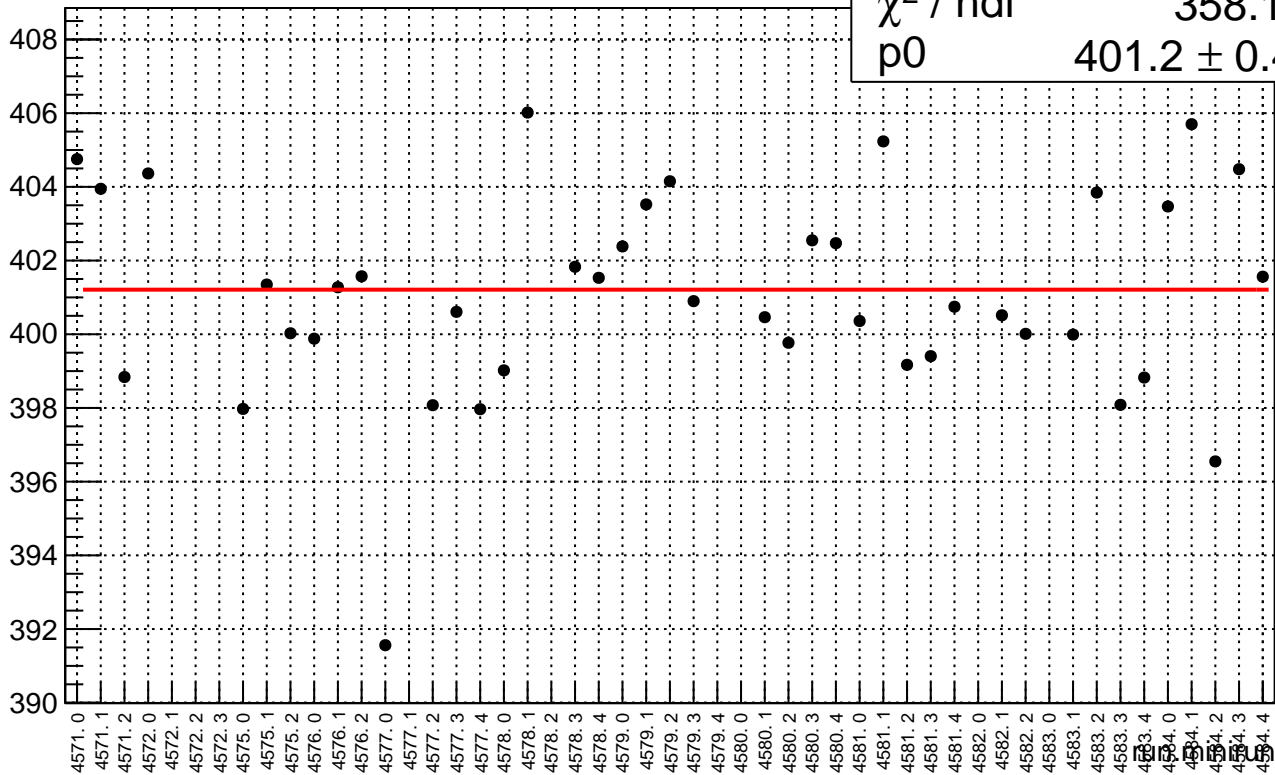
reg\_asym\_at1r2\_avg\_mean/ppm



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

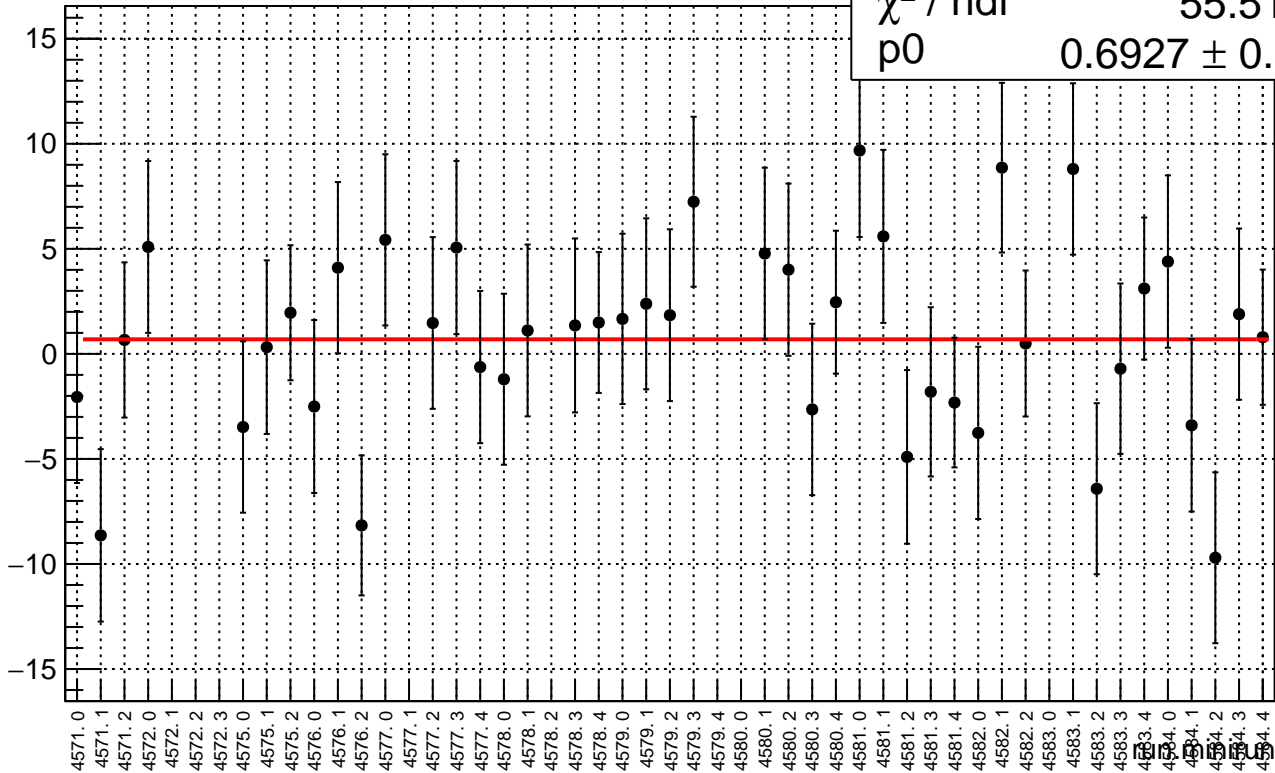
reg\_asym\_atl1r2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  358.1 / 42  
 p0 401.2 ± 0.4453



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

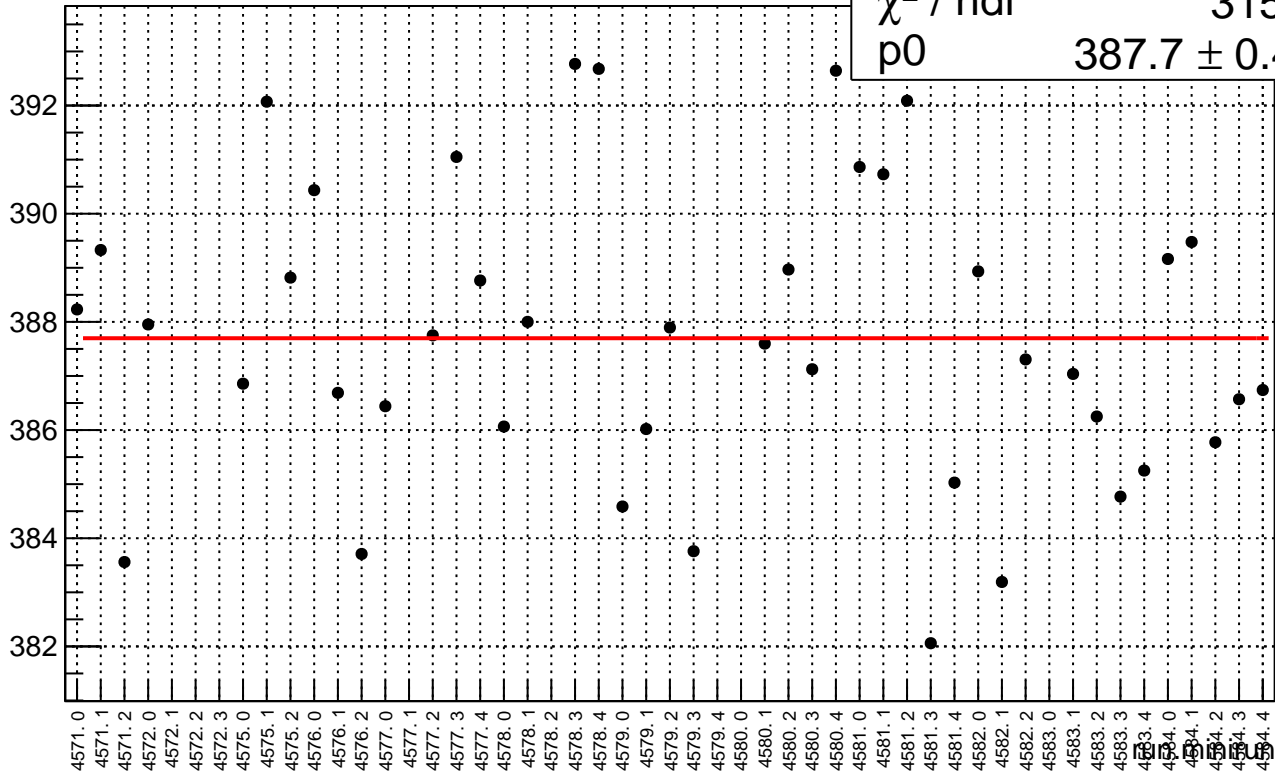
reg\_asym\_atl1r2\_dd\_mean/ppm



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

reg\_asym\_atl1r2\_dd\_rms/ppm

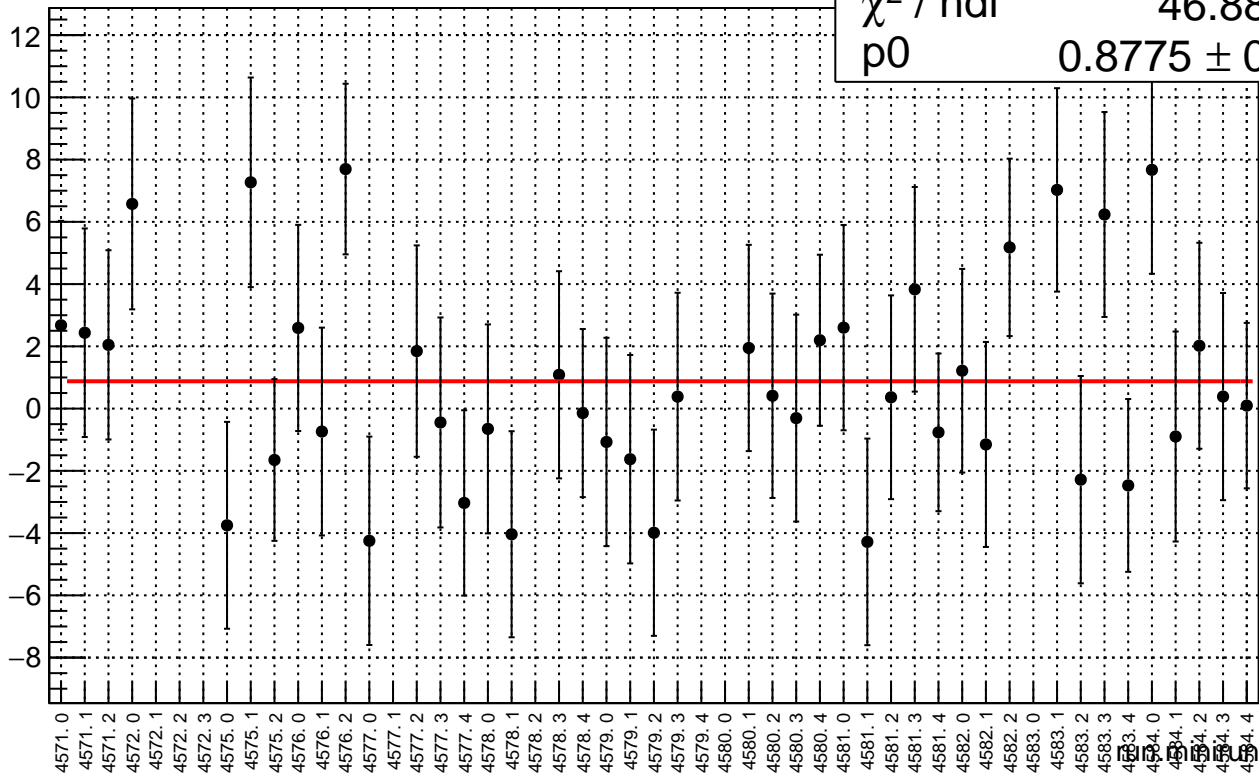
$\chi^2 / \text{ndf}$  315 / 42  
 p0  $387.7 \pm 0.4176$



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

reg\_asym\_atr1l2\_avg\_mean/ppm

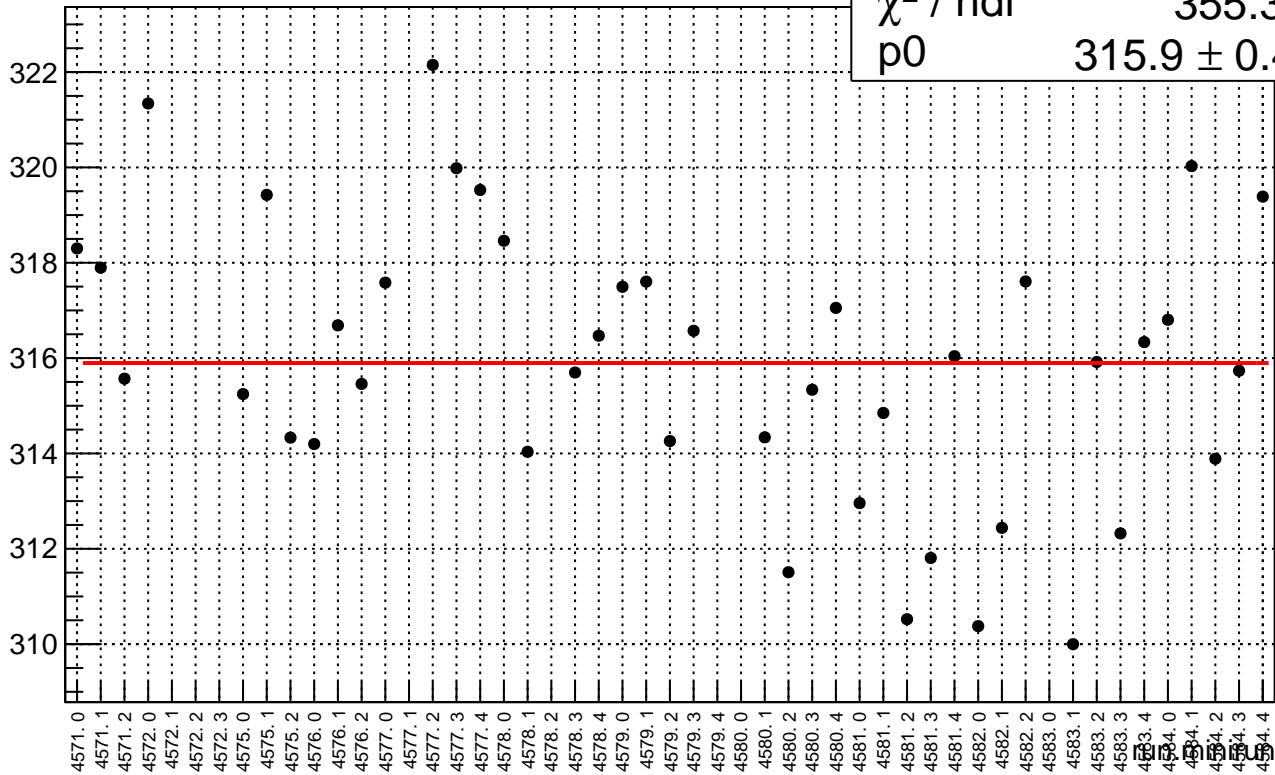
$\chi^2 / \text{ndf}$  46.88 / 42  
 p0  $0.8775 \pm 0.482$



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

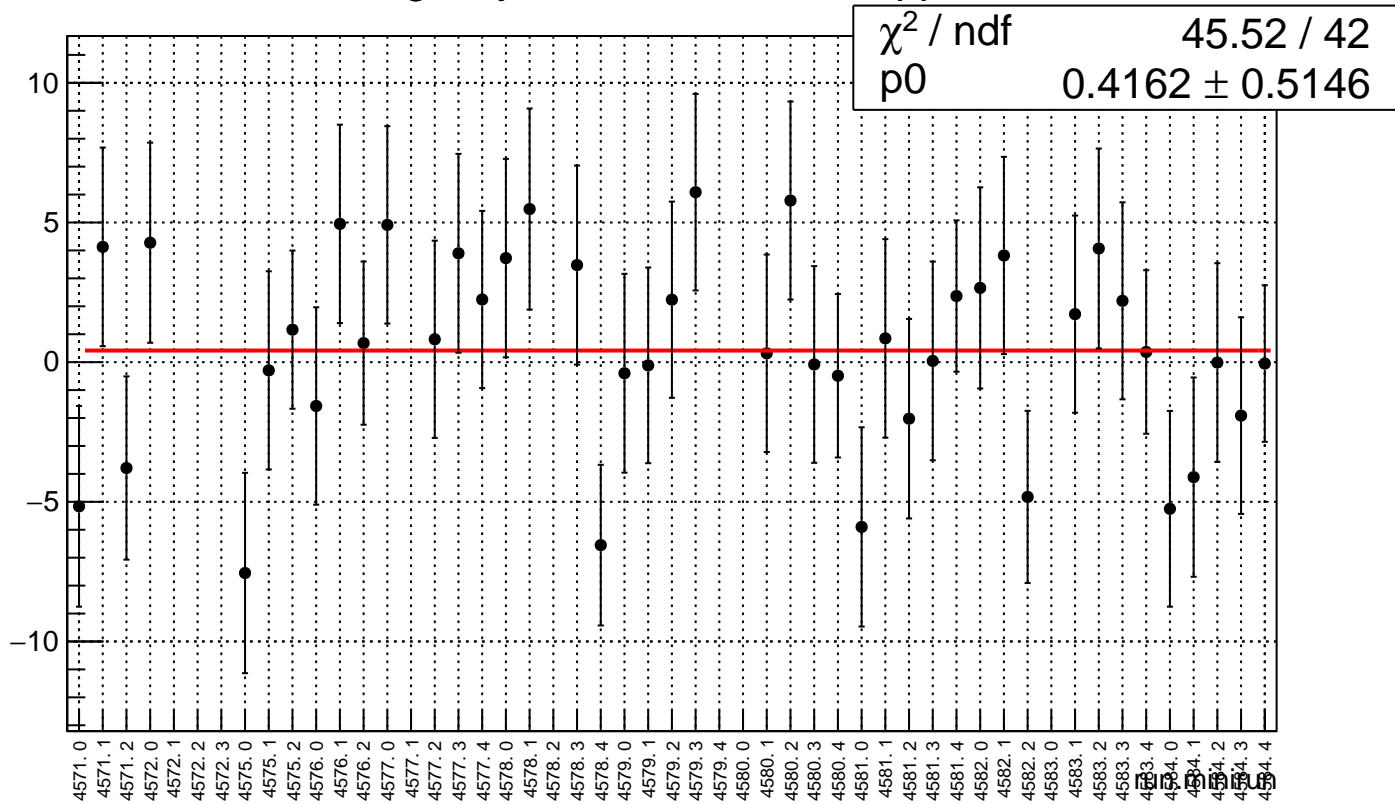
$\chi^2 / \text{ndf}$  355.3 / 42  
 p0  $315.9 \pm 0.4435$

reg\_asym\_atr1l2\_avg\_rms/ppm



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

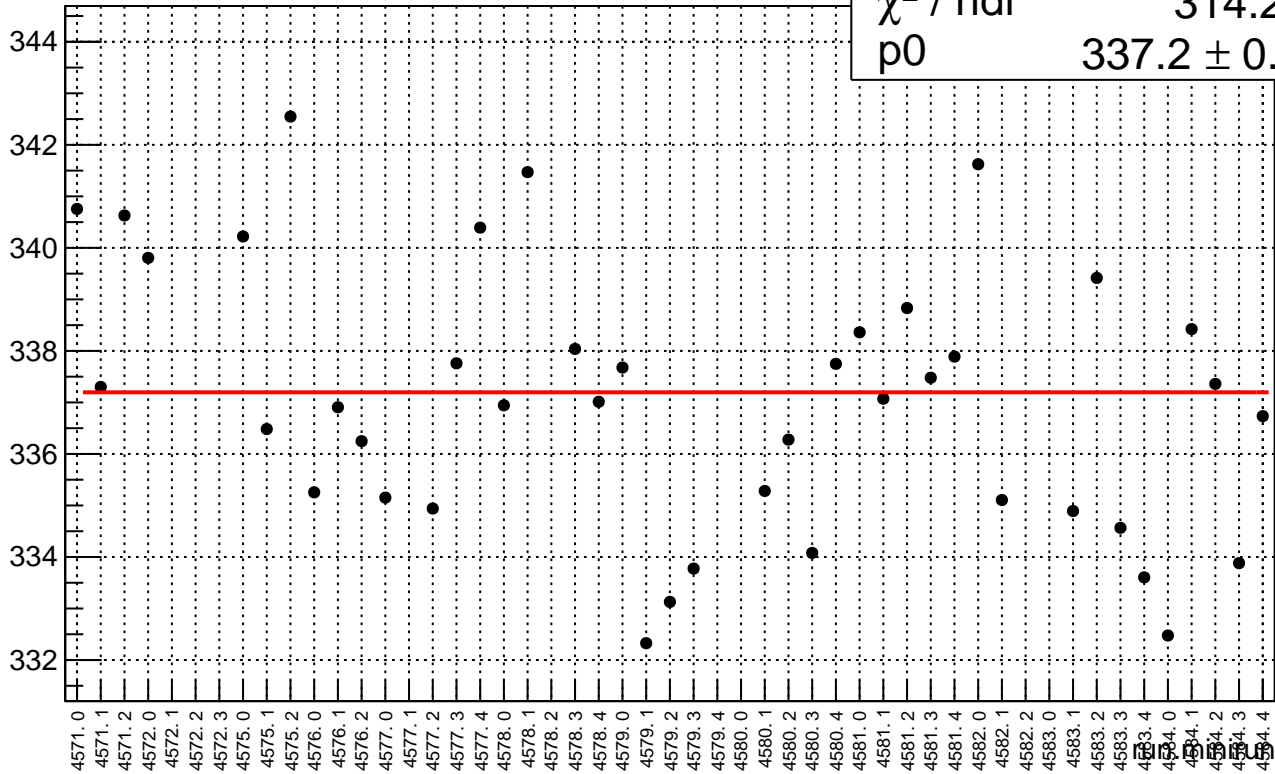
reg\_asym\_atr1l2\_dd\_mean/ppm



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

reg\_asym\_atr1l2\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  314.2 / 42  
 p0  $337.2 \pm 0.4171$

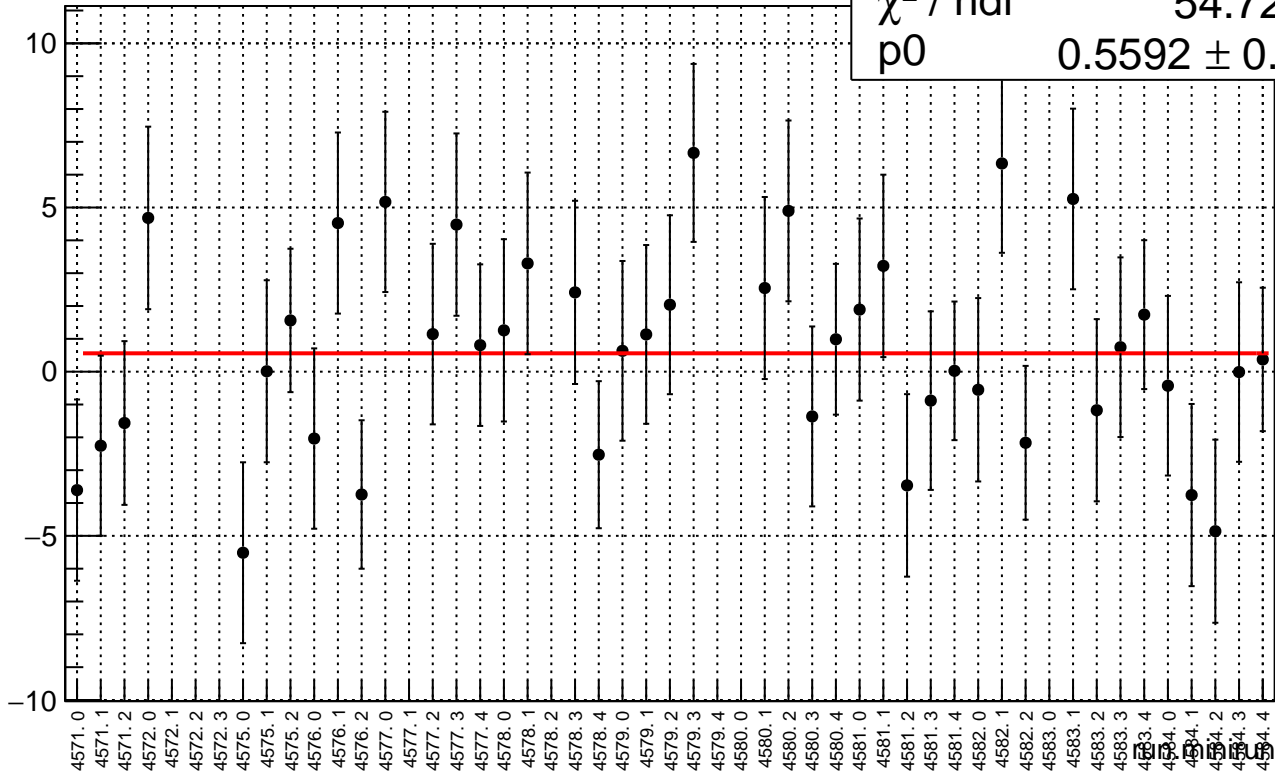




# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

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

$\chi^2 / \text{ndf}$  54.72 / 42  
 p0 0.5592 ± 0.3991



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

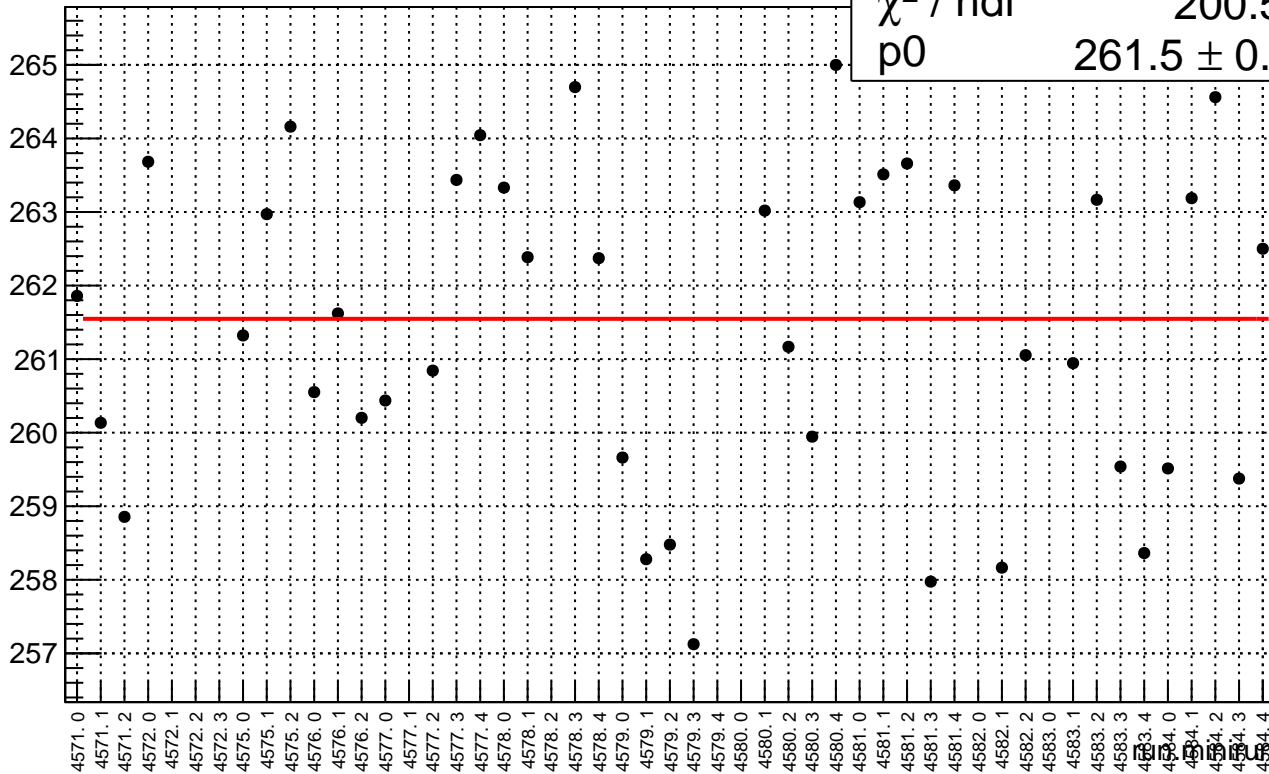
$\chi^2 / \text{ndf}$

200.5 / 42

p0

$261.5 \pm 0.3332$

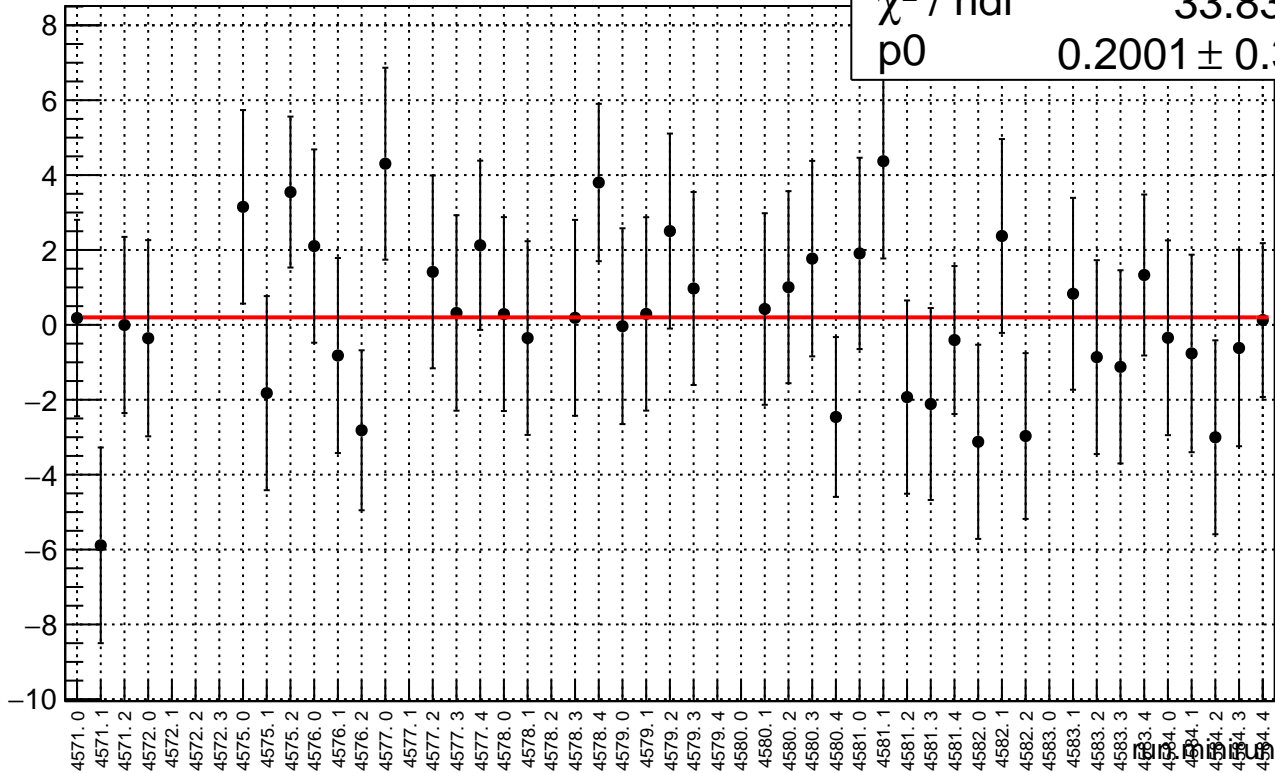
reg\_asym\_atl\_dd\_atr\_dd\_avg\_rms/ppm



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

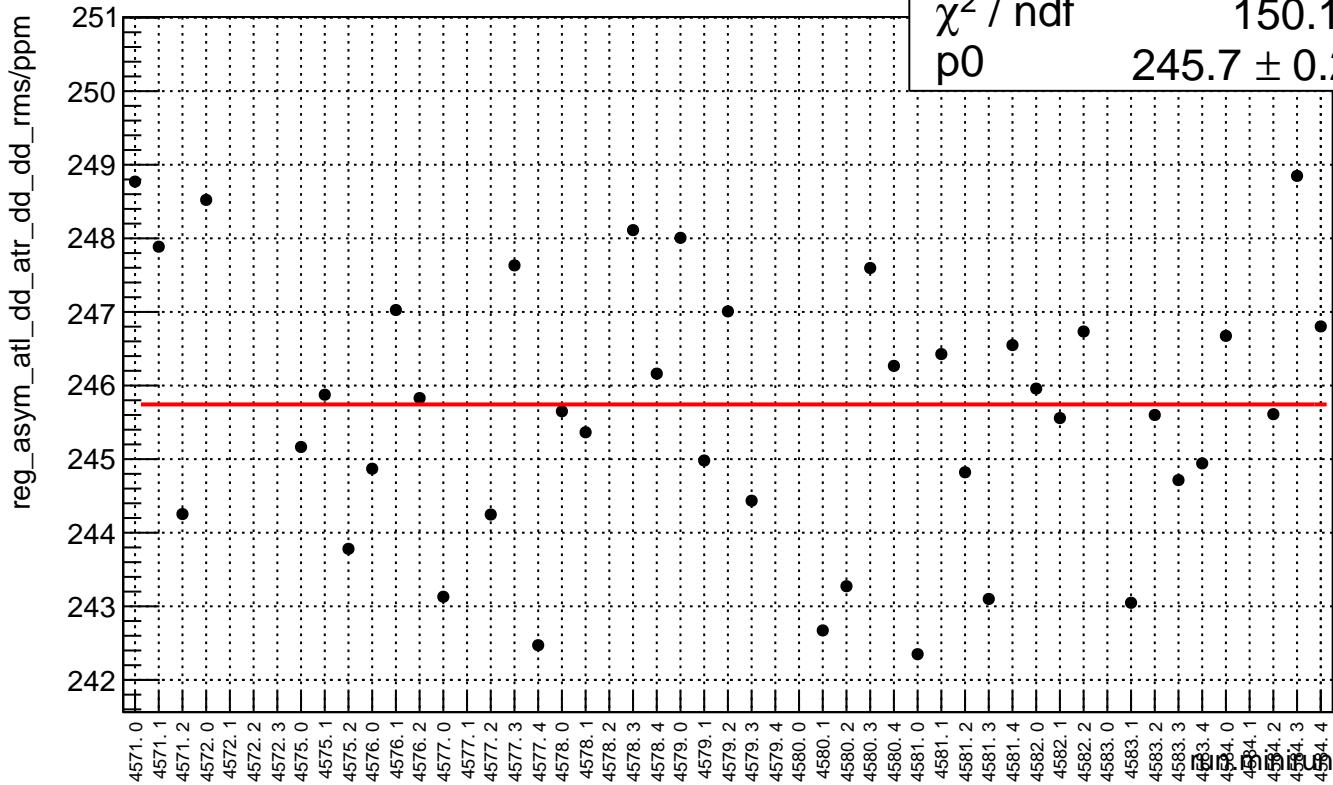
$\chi^2 / \text{ndf}$  33.83 / 42  
p0  $0.2001 \pm 0.3749$

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



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

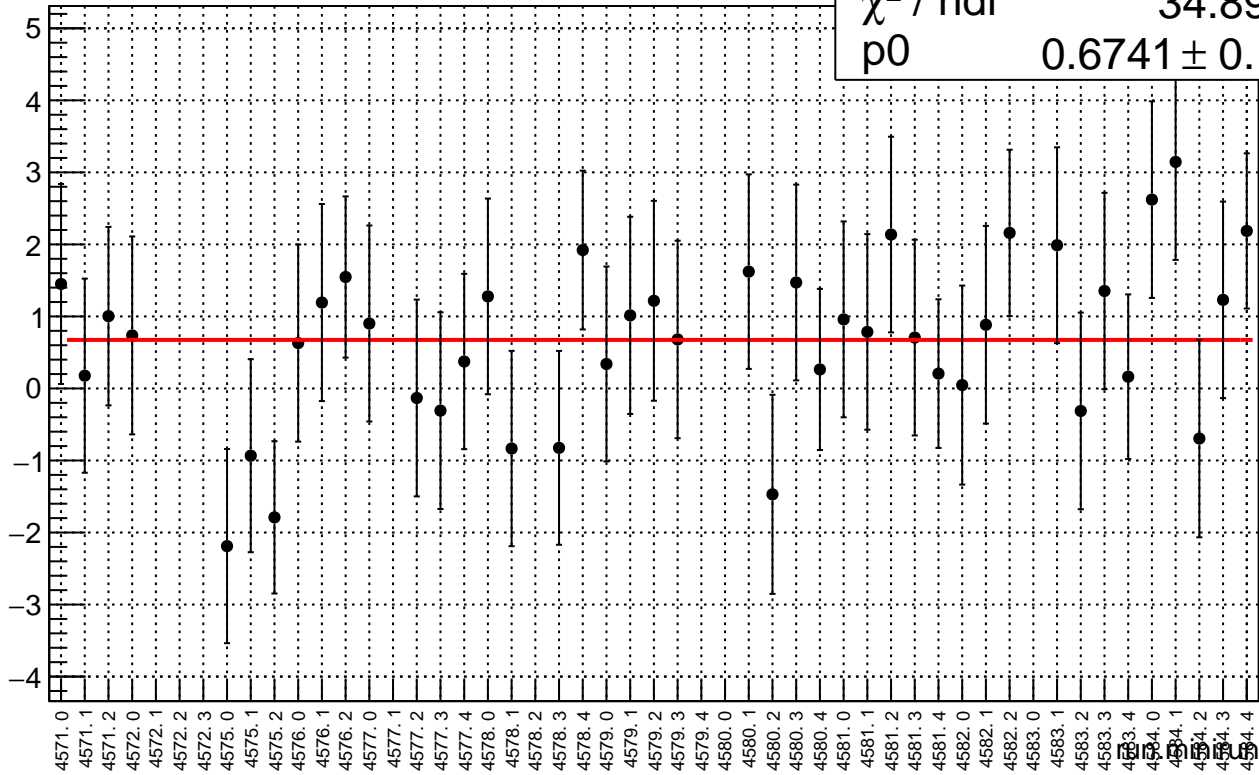
$\chi^2 / \text{ndf}$  150.1 / 42  
p0  $245.7 \pm 0.2883$



# reg\_asym\_usl\_mean/ppm

reg\_asym\_usl\_mean/ppm

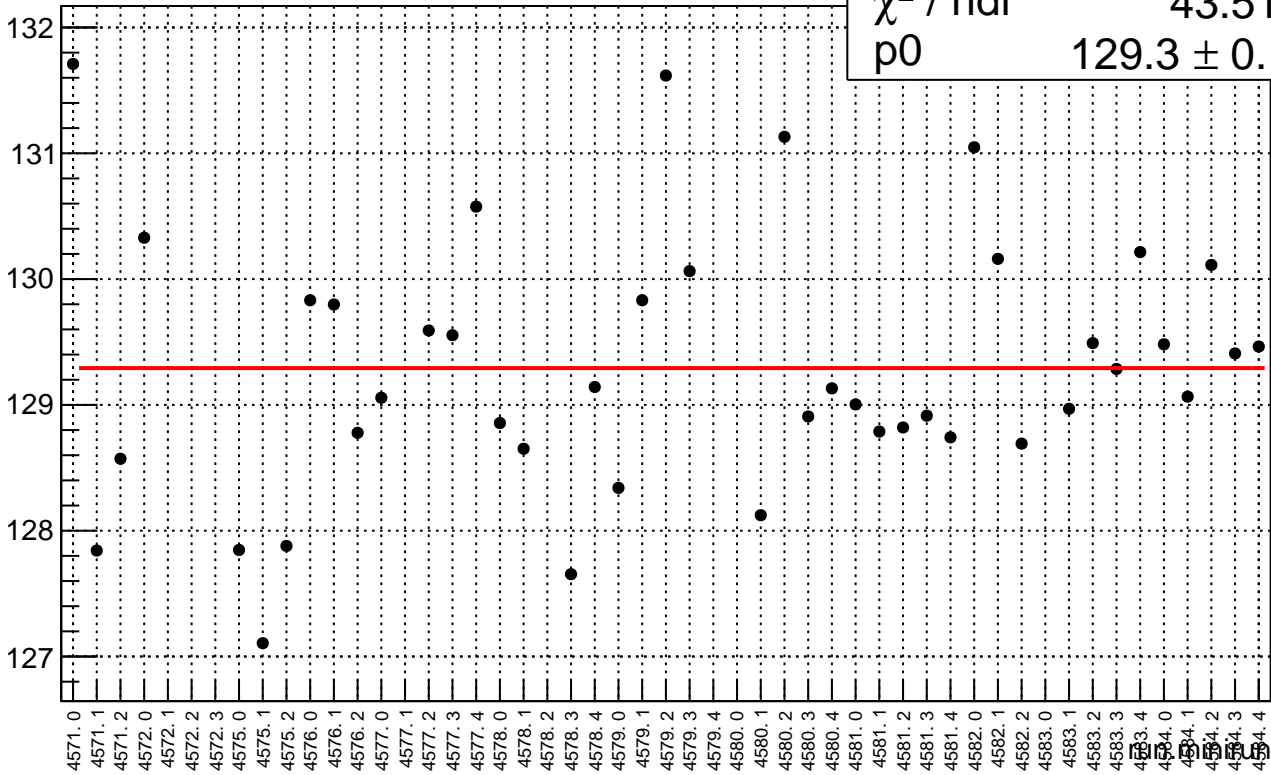
$\chi^2 / \text{ndf}$  34.89 / 42  
 p0  $0.6741 \pm 0.1972$



# reg\_asym\_usl\_rms/ppm

reg\_asym\_usl\_rms/ppm

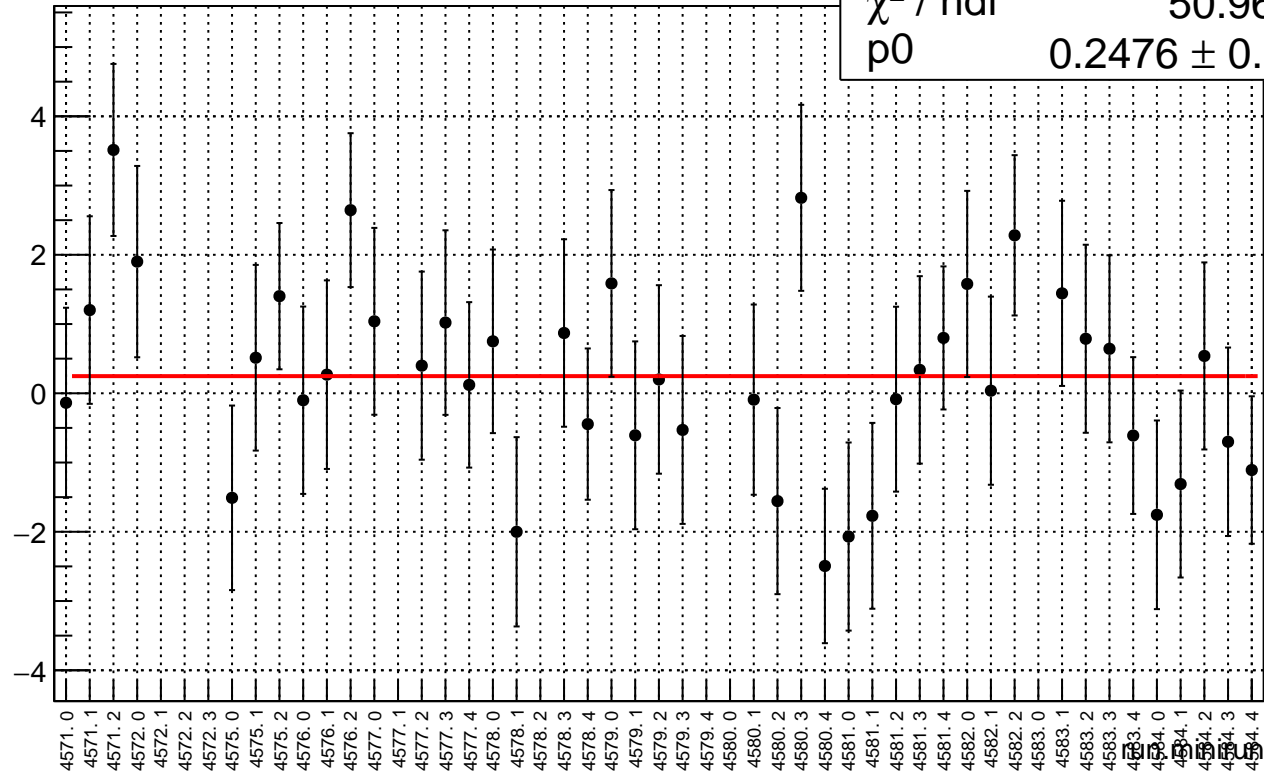
$\chi^2 / \text{ndf}$  43.51 / 42  
 p0  $129.3 \pm 0.1552$



# reg\_asym\_usr\_mean/ppm

reg\_asym\_usr\_mean/ppm

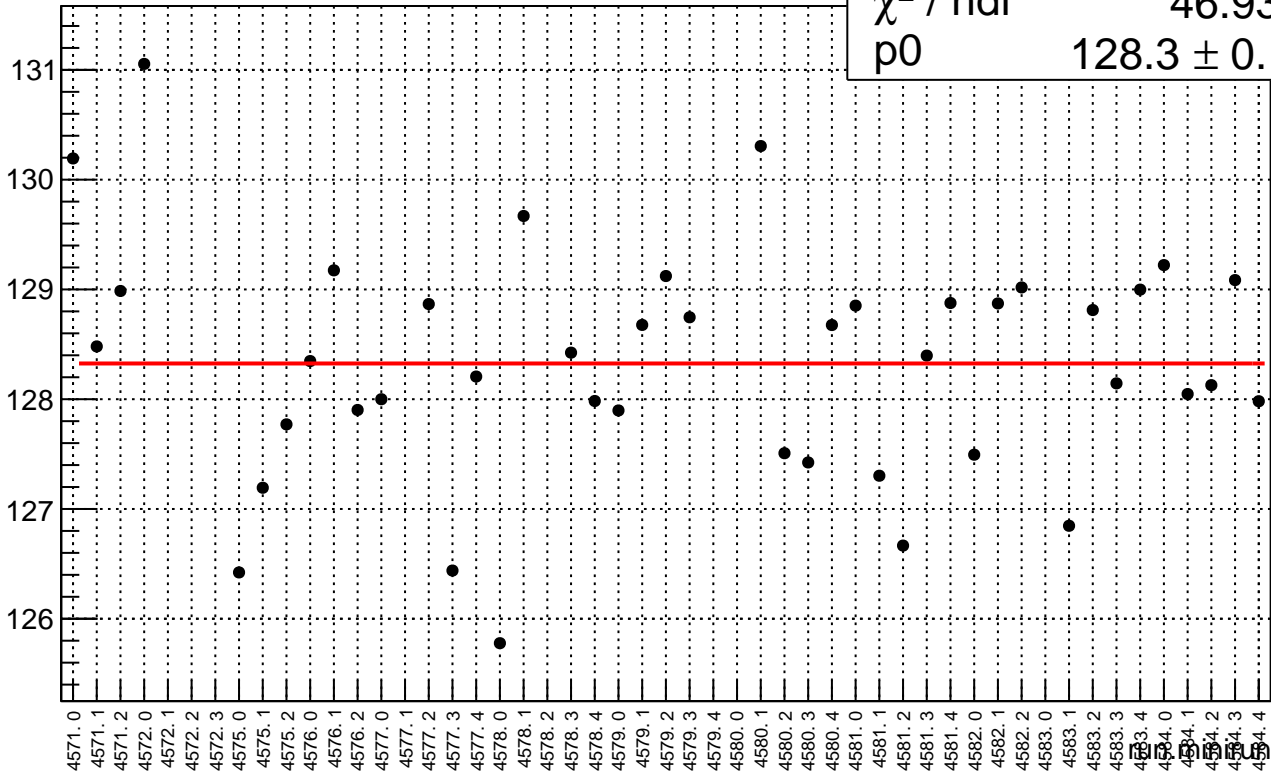
$\chi^2 / \text{ndf}$  50.96 / 42  
 p0  $0.2476 \pm 0.1958$



reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  46.93 / 42  
p0  $128.3 \pm 0.1612$

reg\_asym\_usr\_rms/ppm

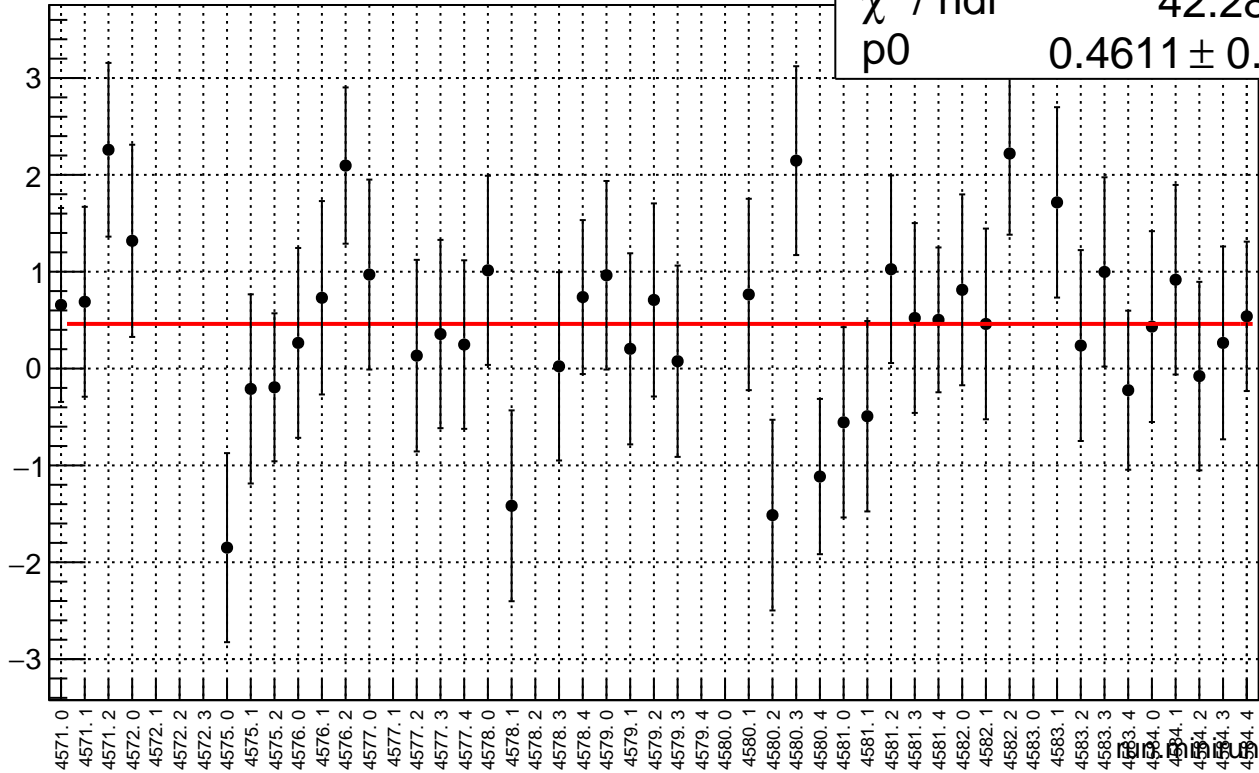




reg\_asym\_us\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  42.28 / 42  
p0  $0.4611 \pm 0.1421$

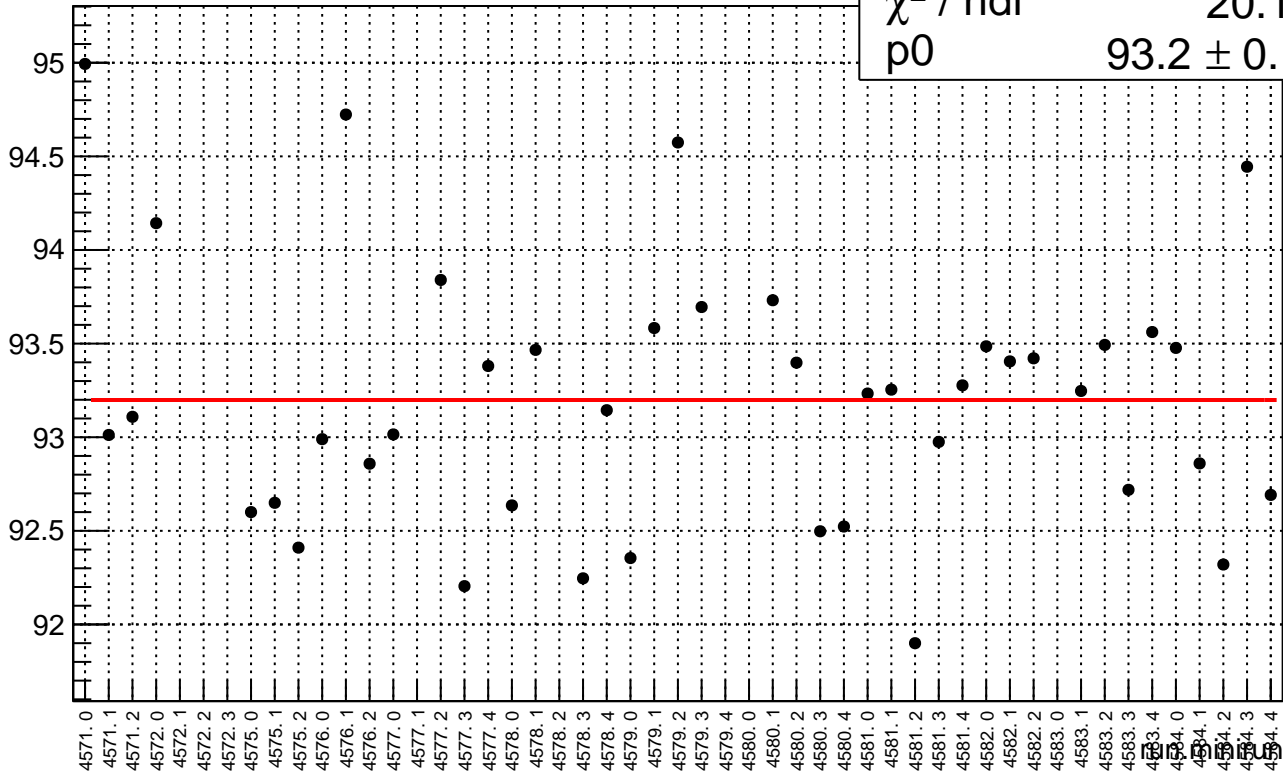
reg\_asym\_us\_avg\_mean/ppm



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

reg\_asym\_us\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  20.1 / 42  
 p0  $93.2 \pm 0.1055$



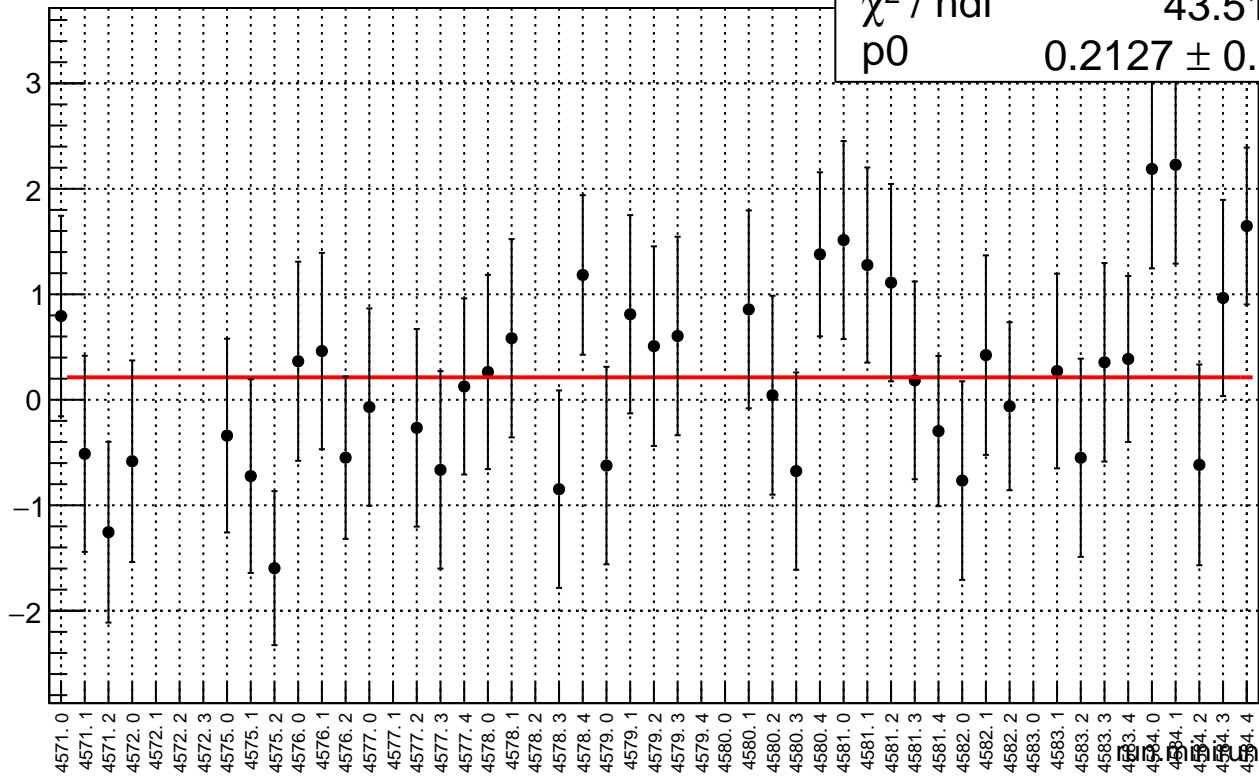
reg\_asym\_us\_dd\_mean/ppm

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

43.51 / 42

$0.2127 \pm 0.1357$

reg\_asym\_us\_dd\_mean/ppm



reg\_asym\_us\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  25.53 / 42  
p0  $88.92 \pm 0.1189$

reg\_asym\_us\_dd\_rms/ppm

