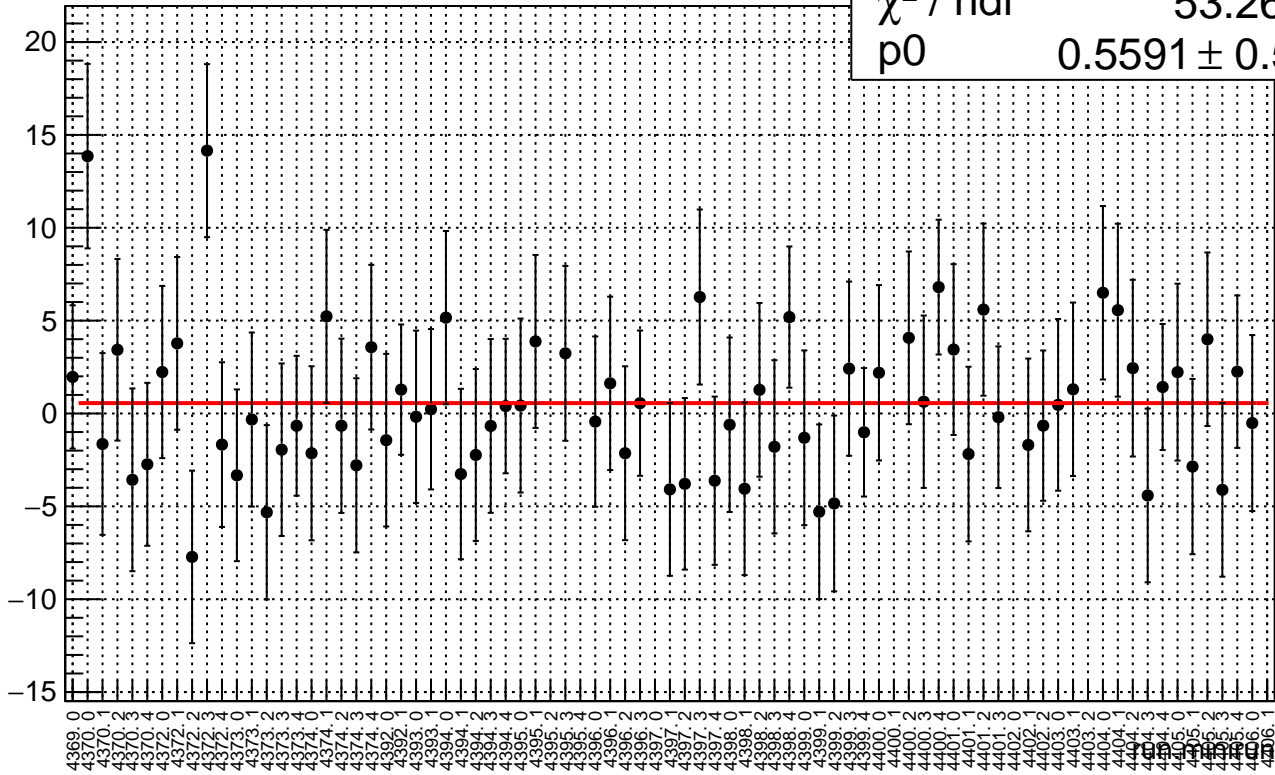


# reg\_asym\_atl1\_mean/ppm

$\chi^2 / \text{ndf}$  53.26 / 73  
 p0  $0.5591 \pm 0.5186$

reg\_asym\_atl1\_mean/ppm

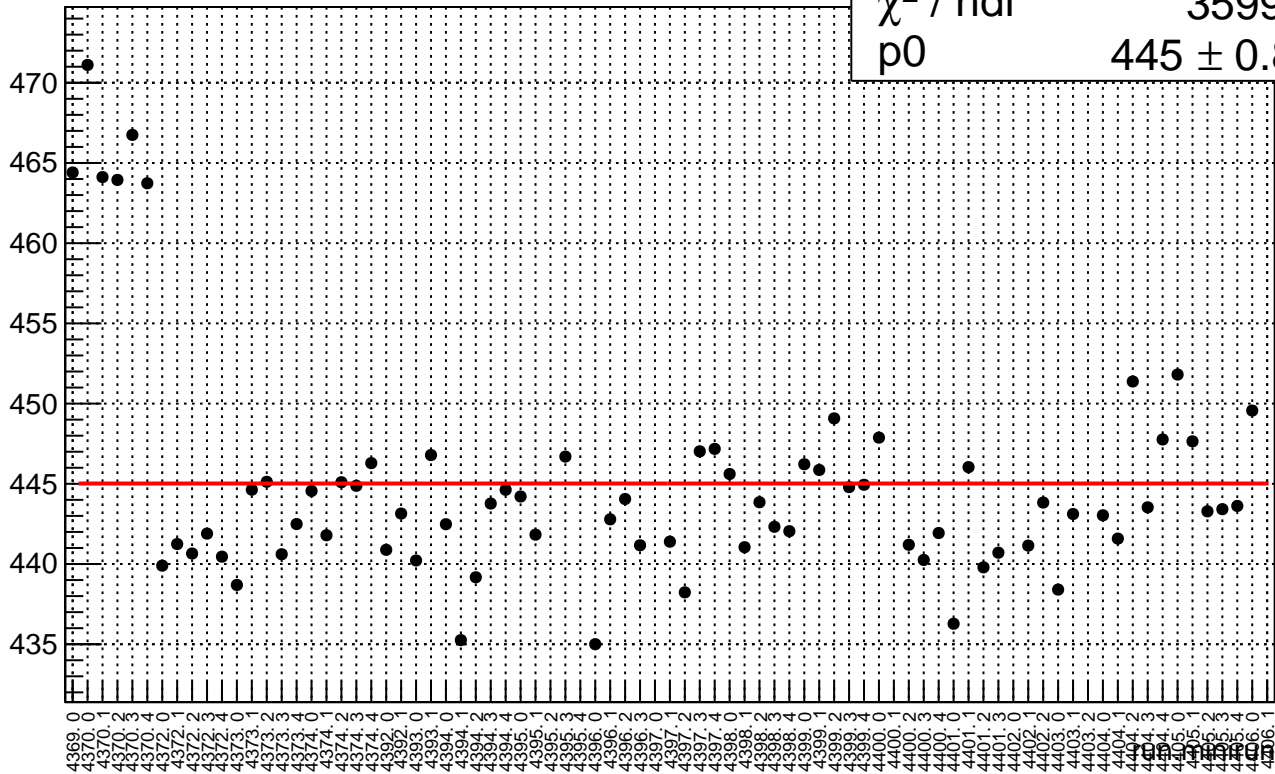


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reg\_asym\_atl1\_rms/ppm

$\chi^2 / \text{ndf}$  3599 / 73  
p0  $445 \pm 0.8163$

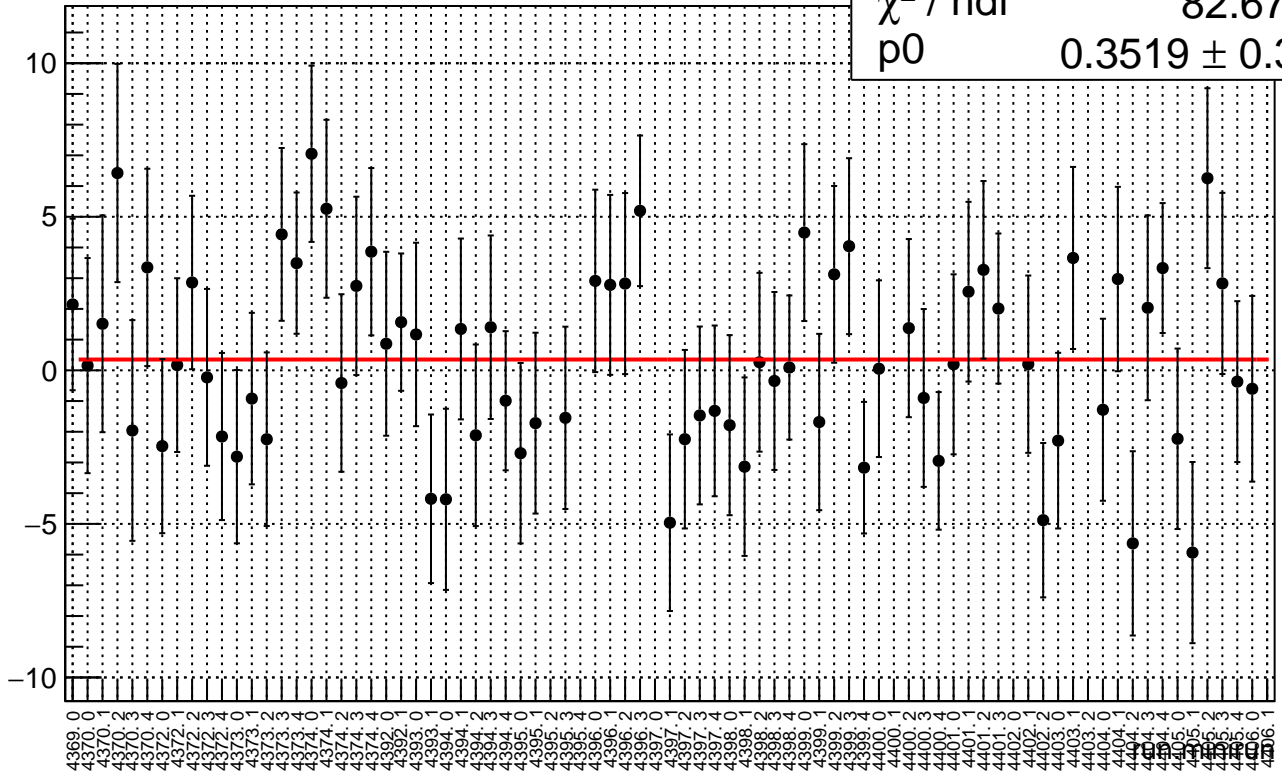
reg\_asym\_atl1\_rms/ppm



# reg\_asym\_atl2\_mean/ppm

$\chi^2 / \text{ndf}$  82.67 / 73  
p0 0.3519 ± 0.3267

reg\_asym\_atl2\_mean/ppm

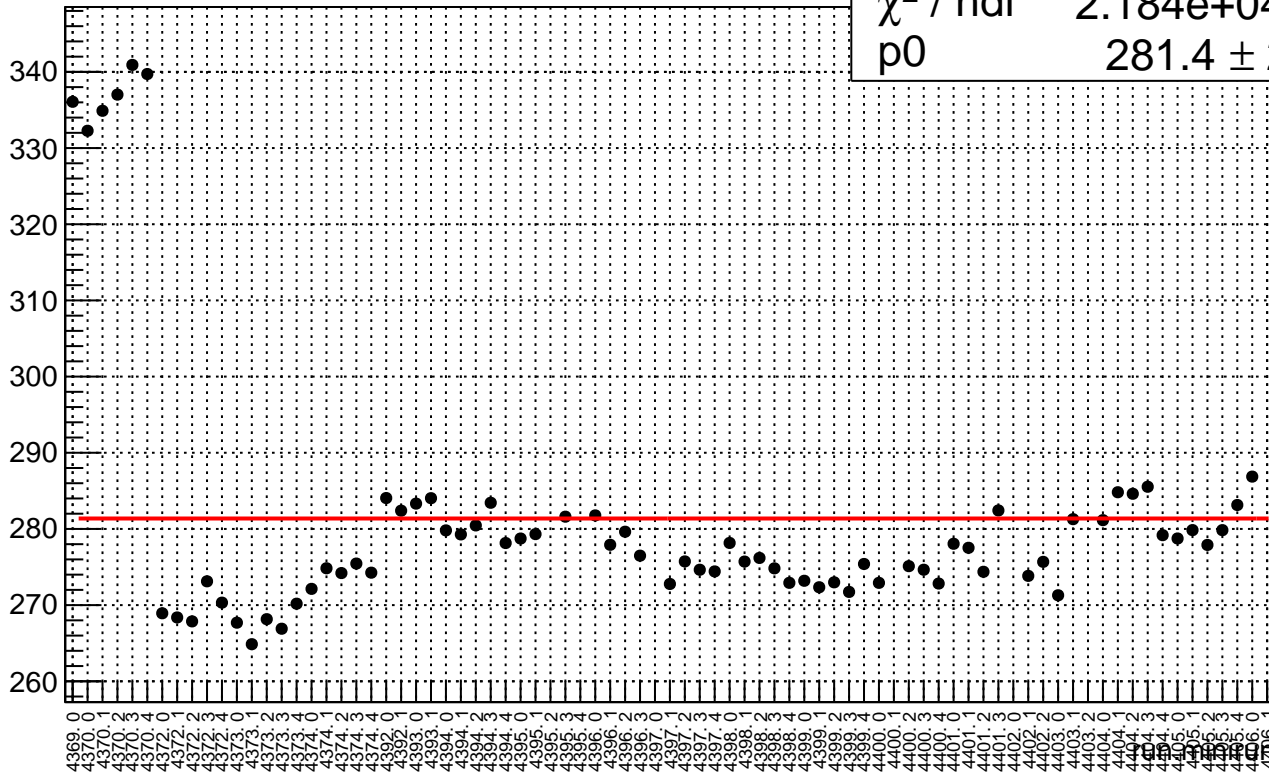


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reg\_asym\_atl2\_rms/ppm

$\chi^2 / \text{ndf}$  2.184e+04 / 73  
p0 281.4  $\pm$  2.011

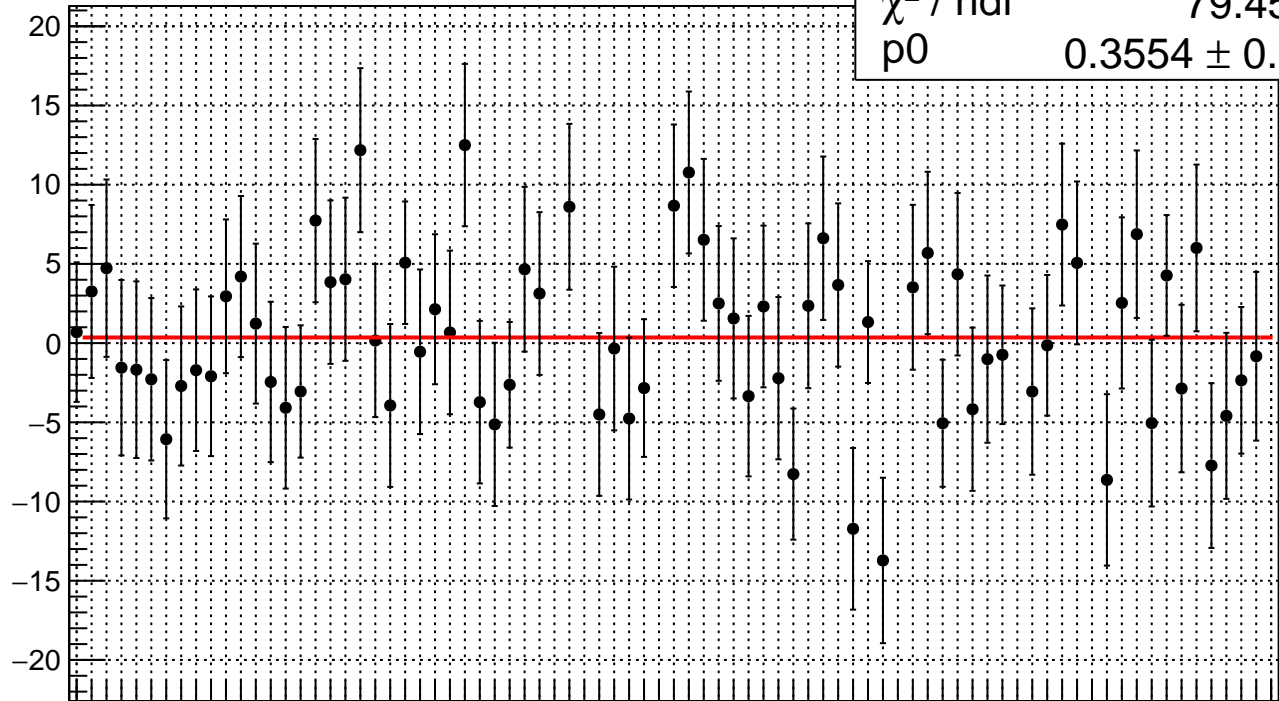
reg\_asym\_atl2\_rms/ppm



reg\_asym\_atr1\_mean/ppm

$\chi^2 / \text{ndf}$  79.45 / 73  
p0  $0.3554 \pm 0.5745$

reg\_asym\_atr1\_mean/ppm

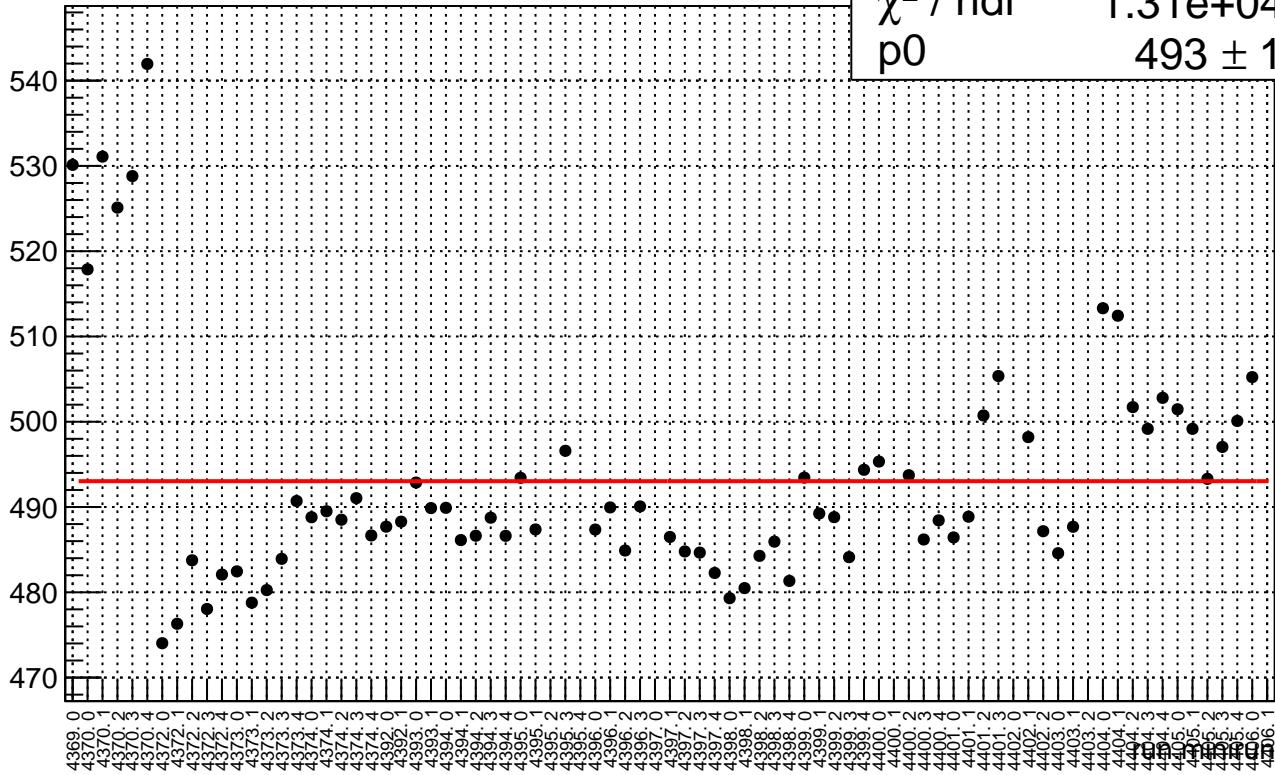


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reg\_asym\_atr1\_rms/ppm

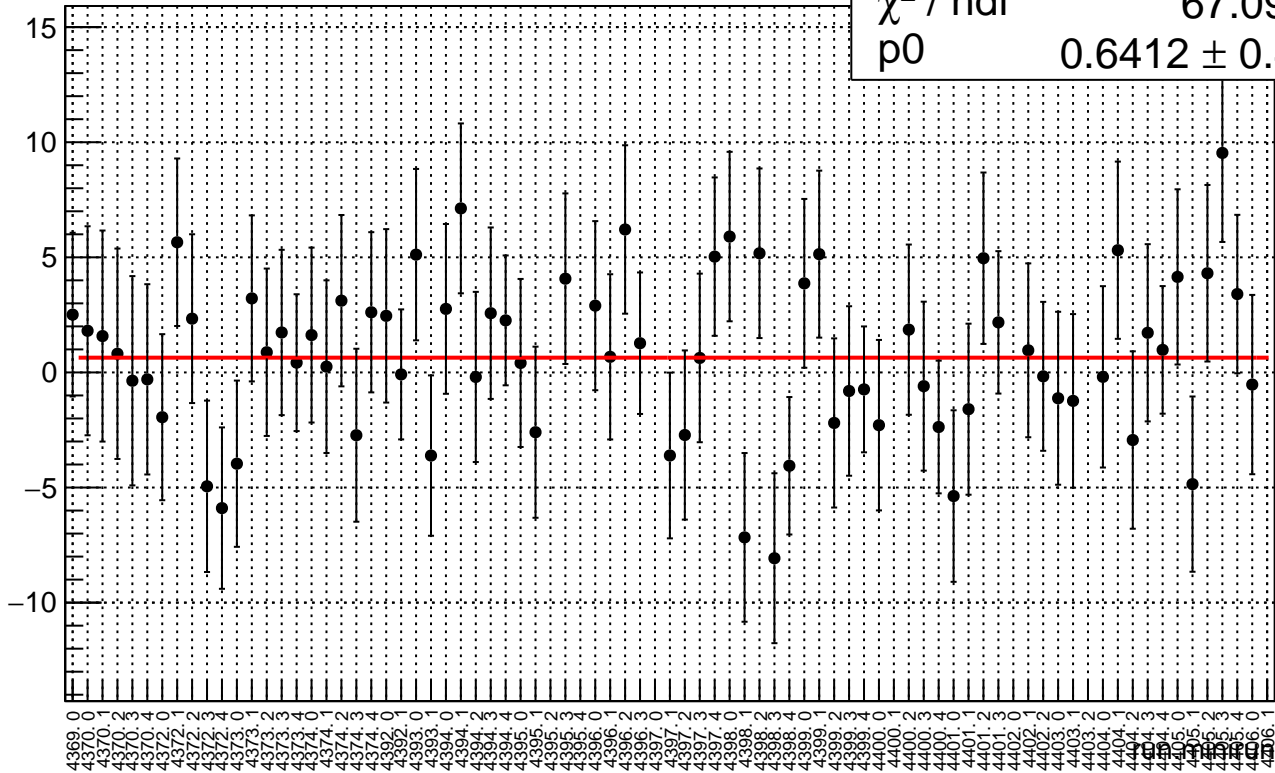
$\chi^2 / \text{ndf}$  1.31e+04 / 73  
p0 493 ± 1.557

reg\_asym\_atr1\_rms/ppm



# reg\_asym\_atr2\_mean/ppm

reg\_asym\_atr2\_mean/ppm

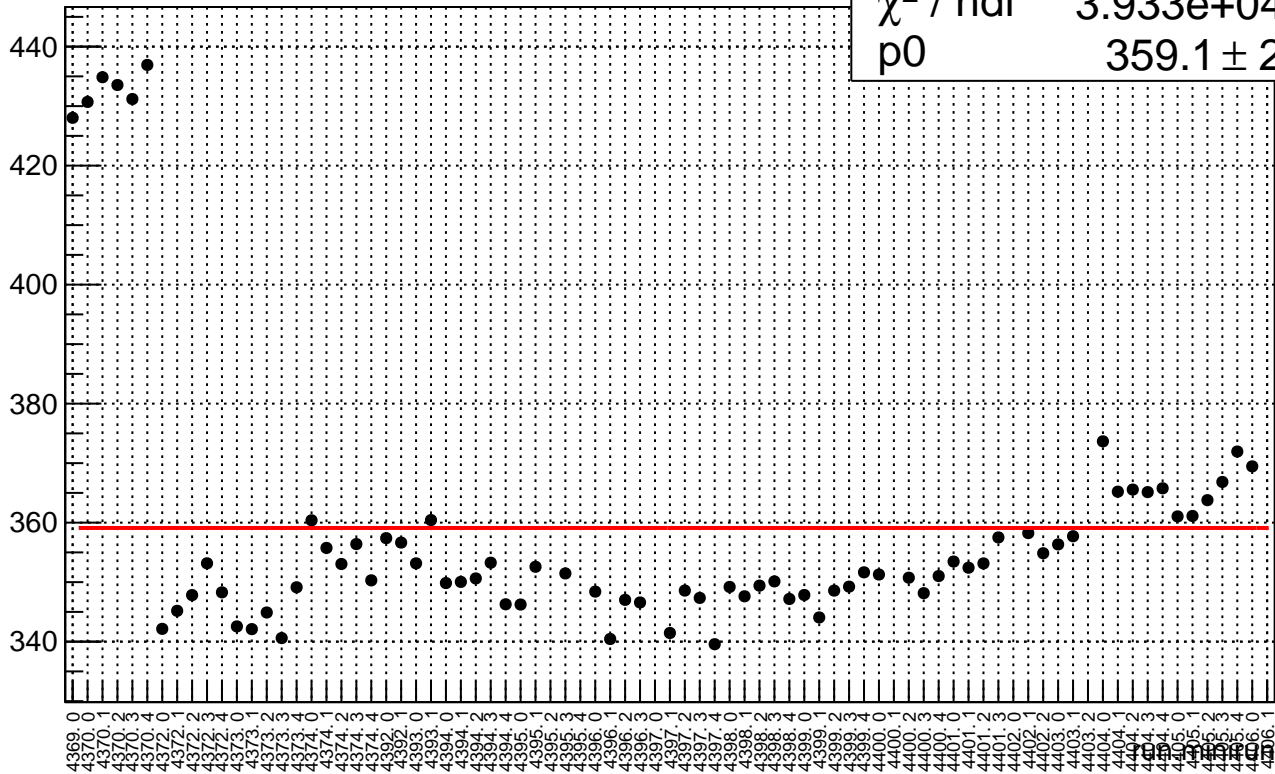


$\chi^2 / \text{ndf}$  67.09 / 73  
 p0  $0.6412 \pm 0.4168$

# reg\_asym\_atr2\_rms/ppm

reg\_asym\_atr2\_rms/ppm

$\chi^2 / \text{ndf}$	3.933e+04 / 73
p0	359.1 ± 2.698

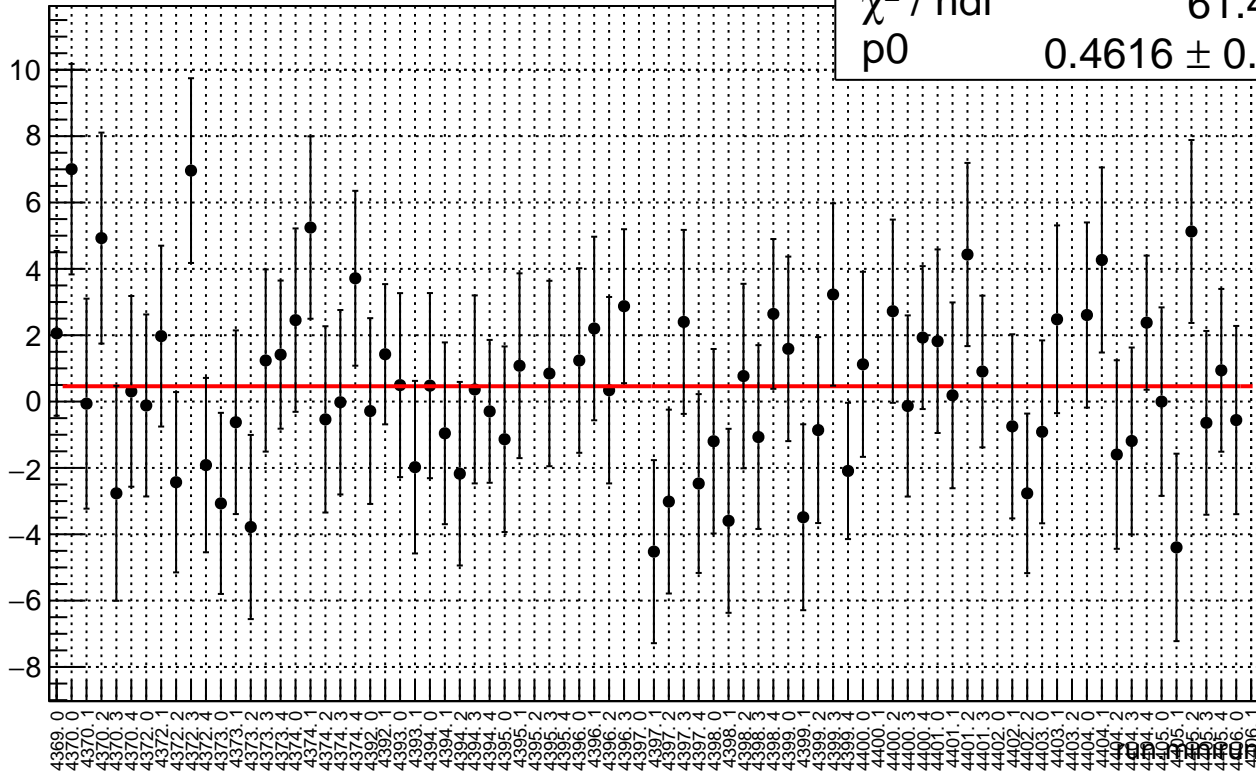




# reg\_asym\_atl\_avg\_mean/ppm

reg\_asym\_atl\_avg\_mean/ppm

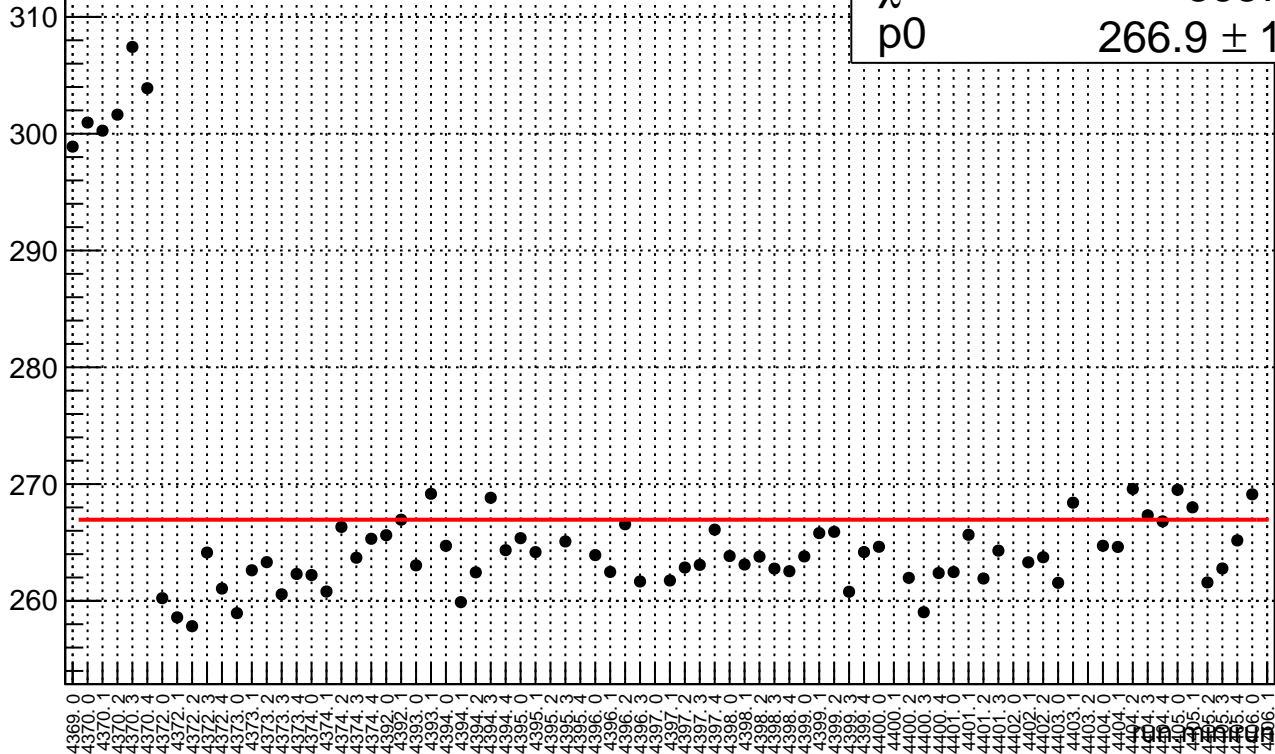
$\chi^2 / \text{ndf}$  61.4 / 73  
 p0  $0.4616 \pm 0.3106$



reg\_asym\_atl\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  8637 / 73  
p0  $266.9 \pm 1.264$

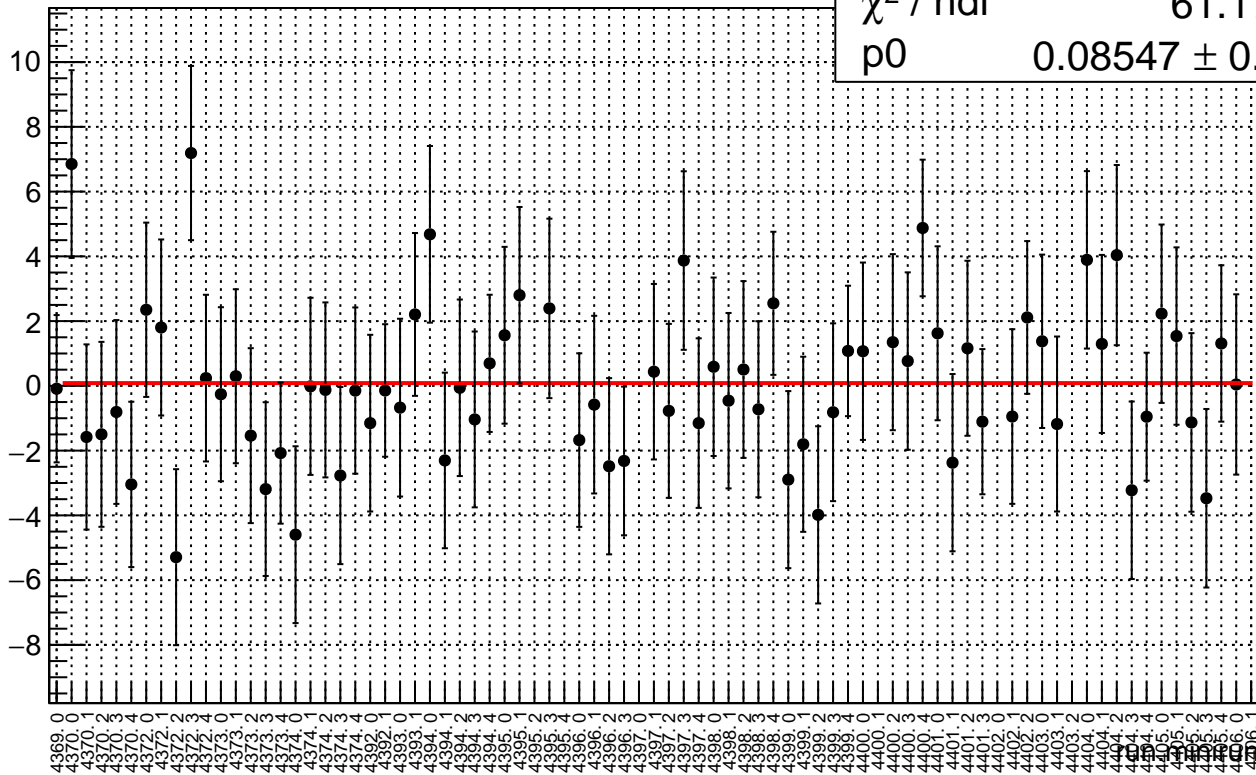
reg\_asym\_atl\_avg\_rms/ppm



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

reg\_asym\_atl\_dd\_mean/ppm

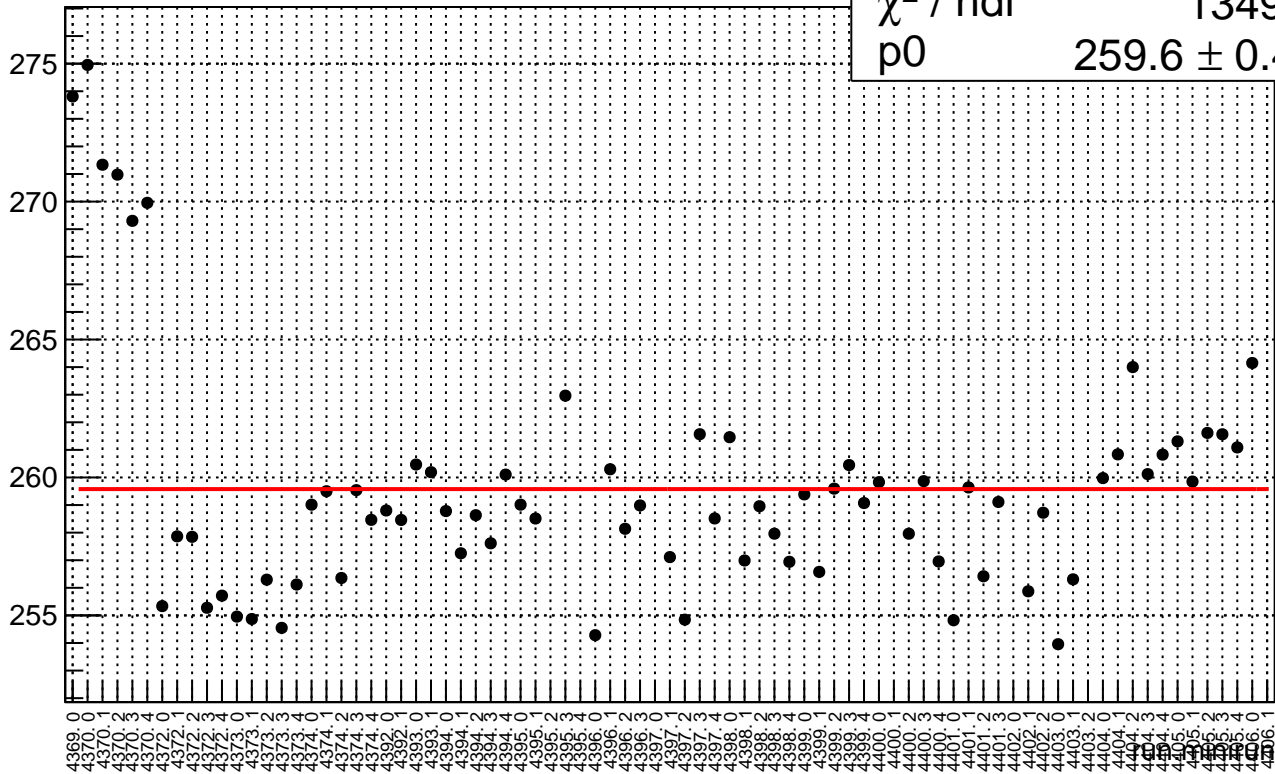
$\chi^2 / \text{ndf}$  61.17 / 73  
 p0 0.08547 ± 0.3025



reg\_asym\_atl\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  1349 / 73  
p0  $259.6 \pm 0.4997$

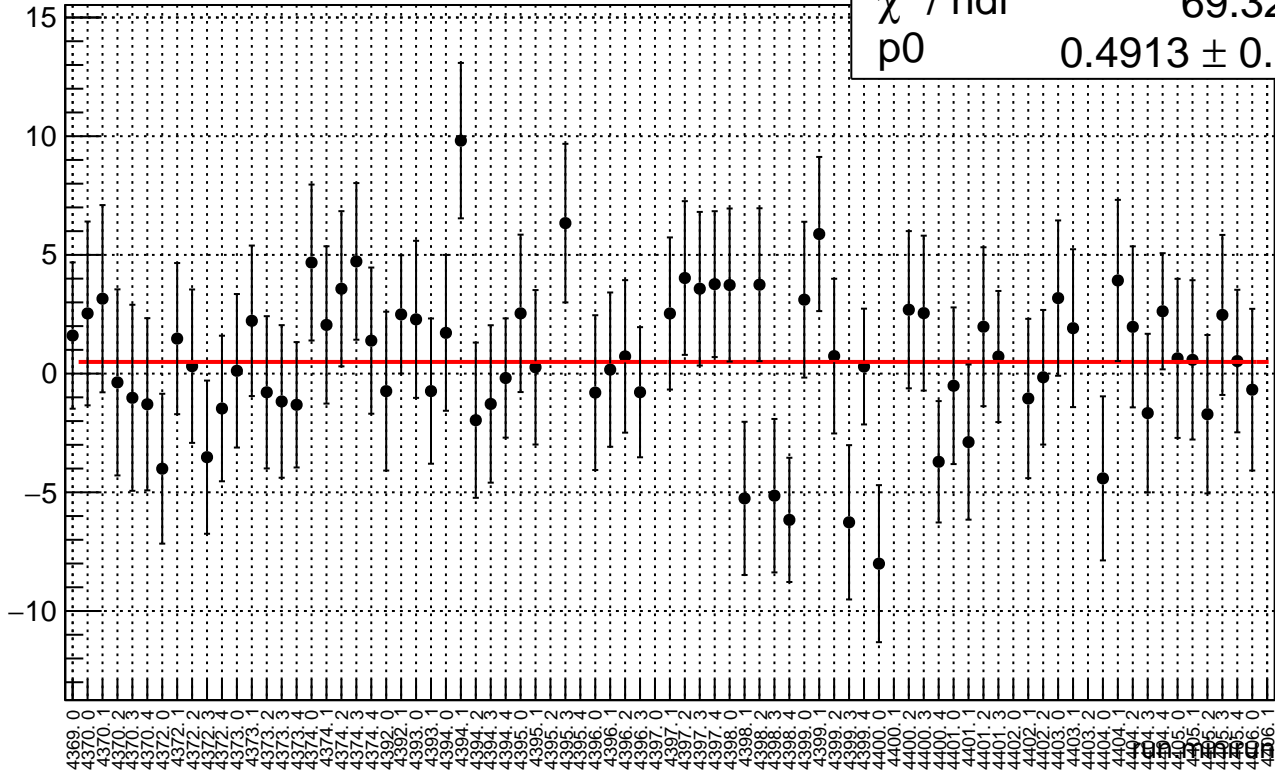
reg\_asym\_atl\_dd\_rms/ppm



reg\_asym\_atr\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  69.32 / 73  
p0  $0.4913 \pm 0.3679$

reg\_asym\_atr\_avg\_mean/ppm

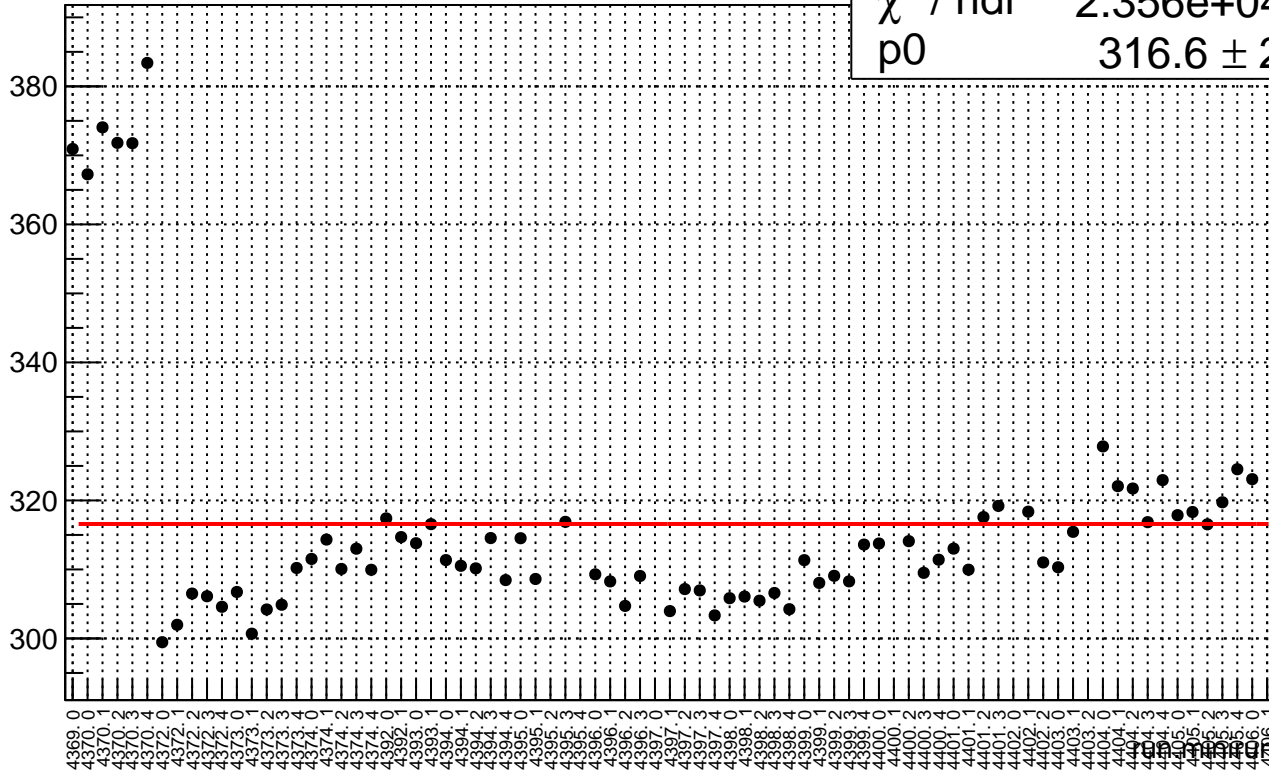


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reg\_asym\_atr\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  2.356e+04 / 73  
p0 316.6  $\pm$  2.088

reg\_asym\_atr\_avg\_rms/ppm



reg\_asym\_atr\_dd\_mean/ppm

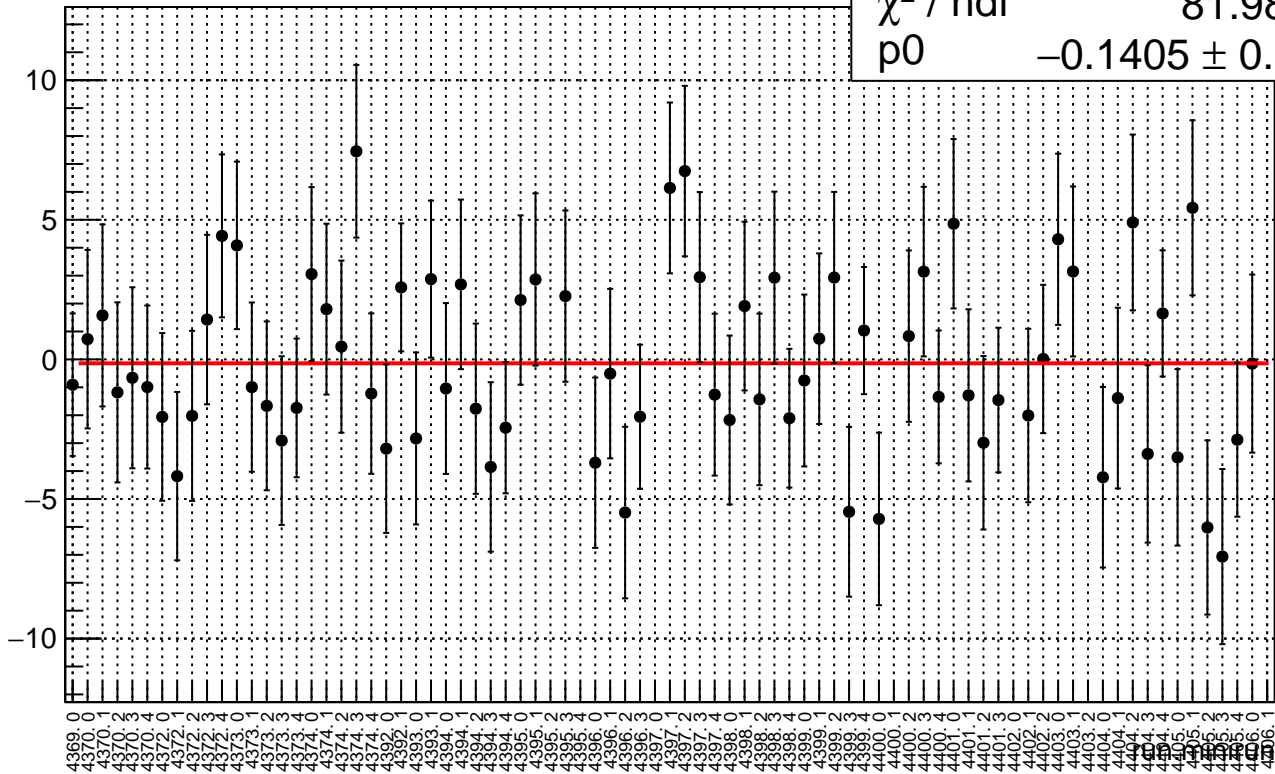
$\chi^2 / \text{ndf}$

81.98 / 73

p0

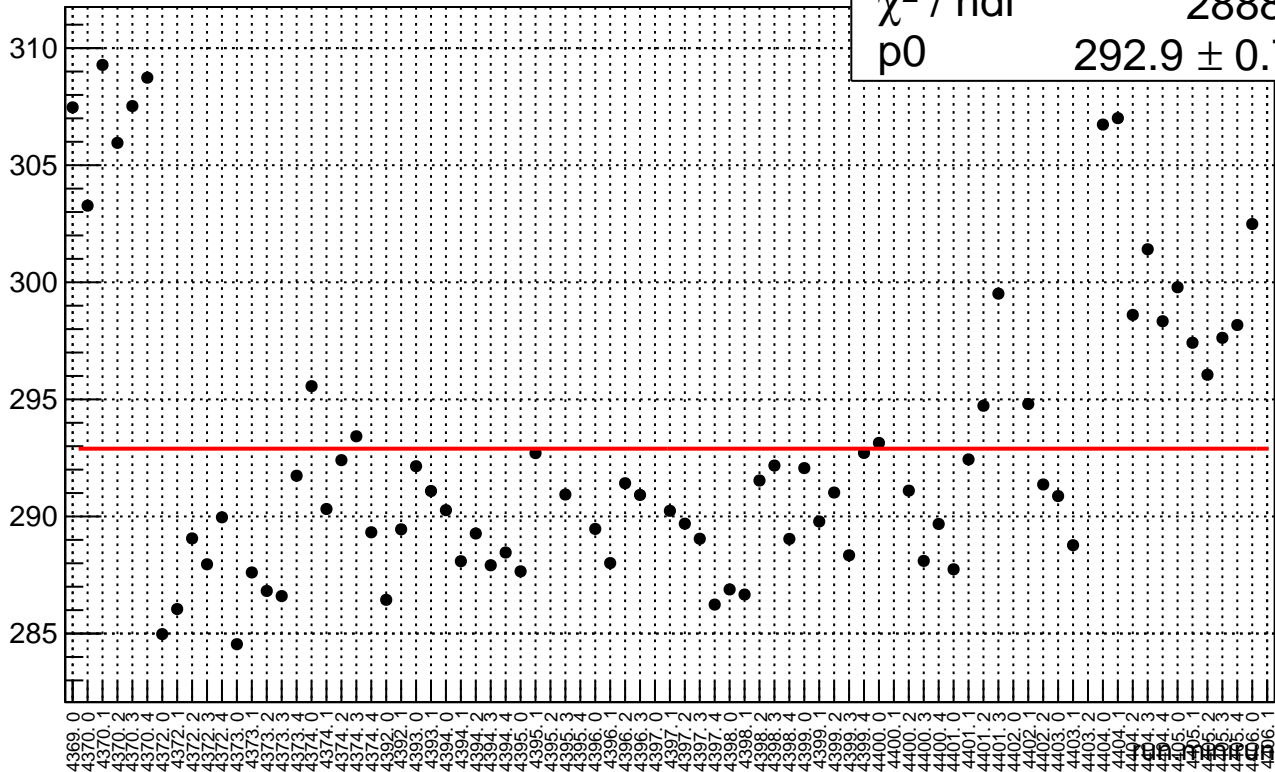
$-0.1405 \pm 0.3413$

reg\_asym\_atr\_dd\_mean/ppm



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

reg\_asym\_atr\_dd\_rms/ppm



$\chi^2 / \text{ndf}$  2888 / 73  
p0  $292.9 \pm 0.7312$



reg\_asym\_at1\_avg\_mean/ppm

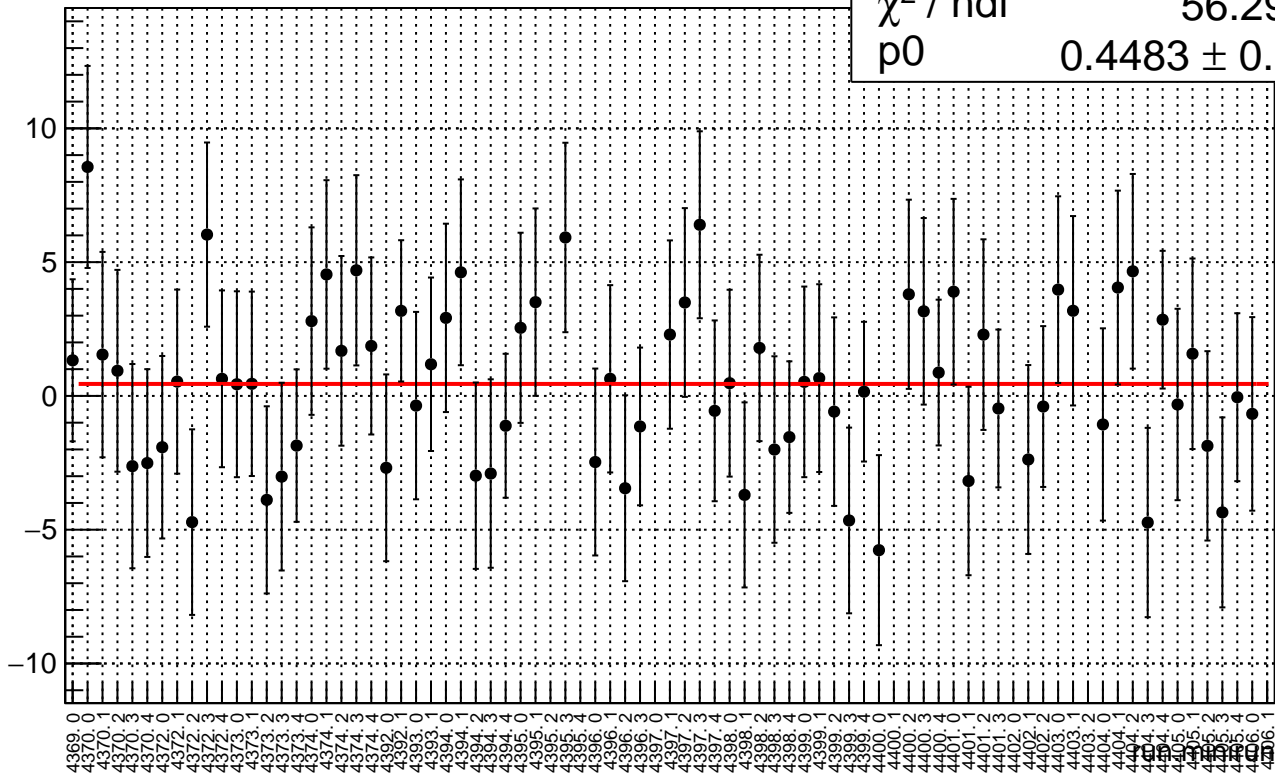
$\chi^2 / \text{ndf}$

56.29 / 73

p0

$0.4483 \pm 0.3914$

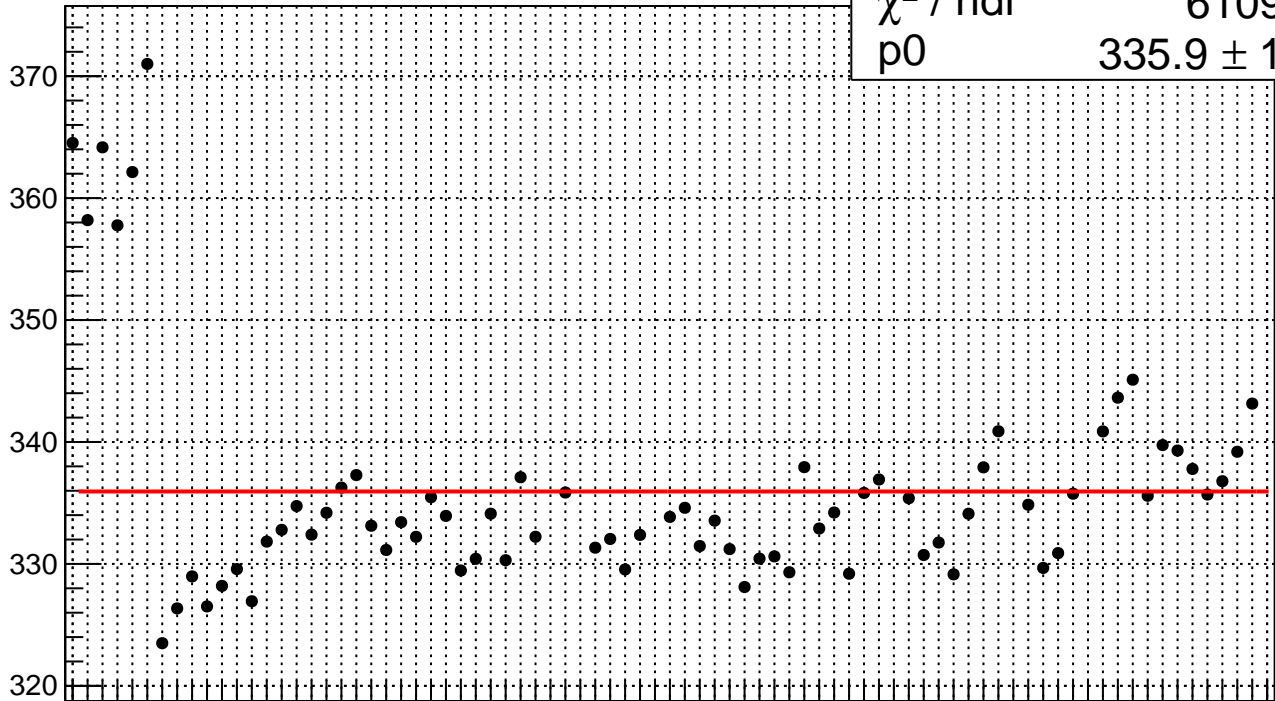
reg\_asym\_at1\_avg\_mean/ppm



reg\_asym\_at1\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  6109 / 73  
p0  $335.9 \pm 1.063$

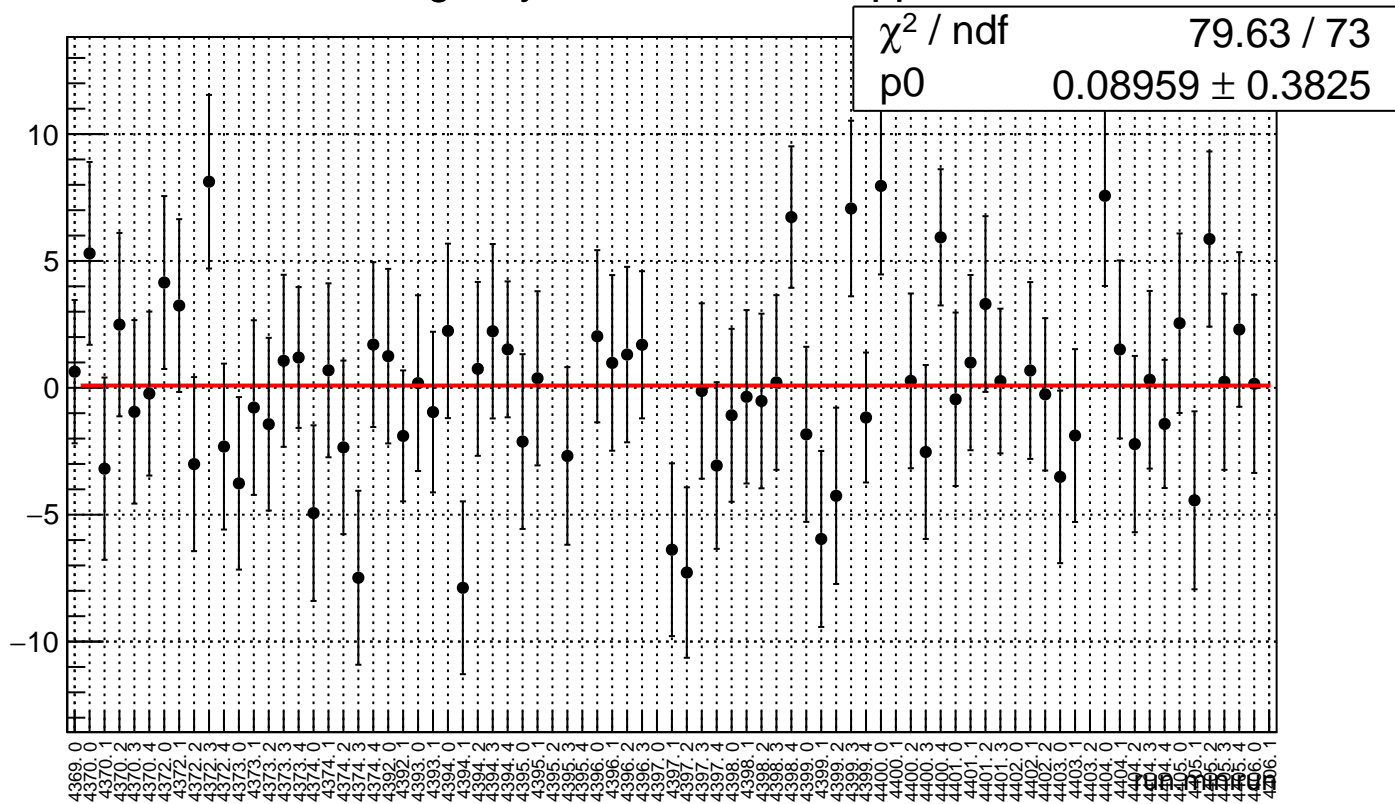
reg\_asym\_at1\_avg\_rms/ppm



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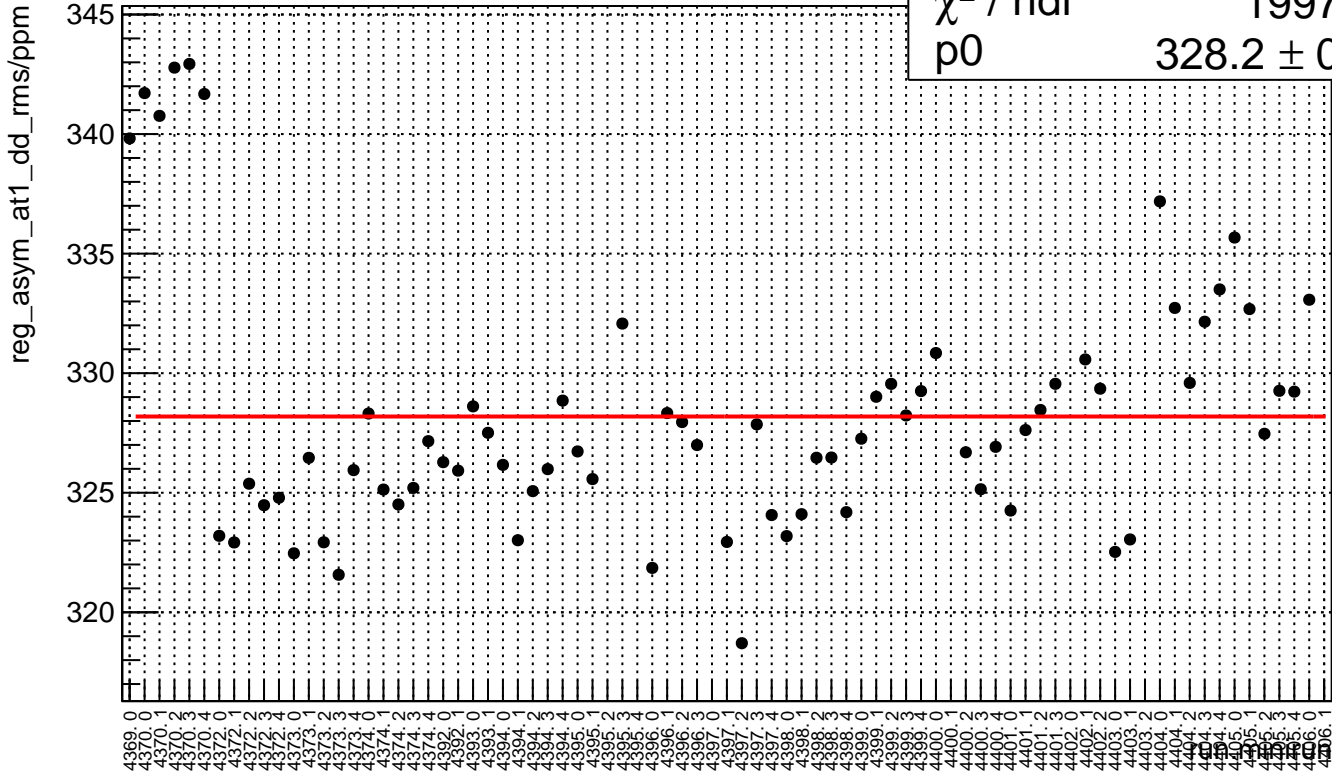
# reg\_asym\_at1\_dd\_mean/ppm

reg\_asym\_at1\_dd\_mean/ppm



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

$\chi^2 / \text{ndf}$  1997 / 73  
p0  $328.2 \pm 0.608$



reg\_asym\_at2\_avg\_mean/ppm

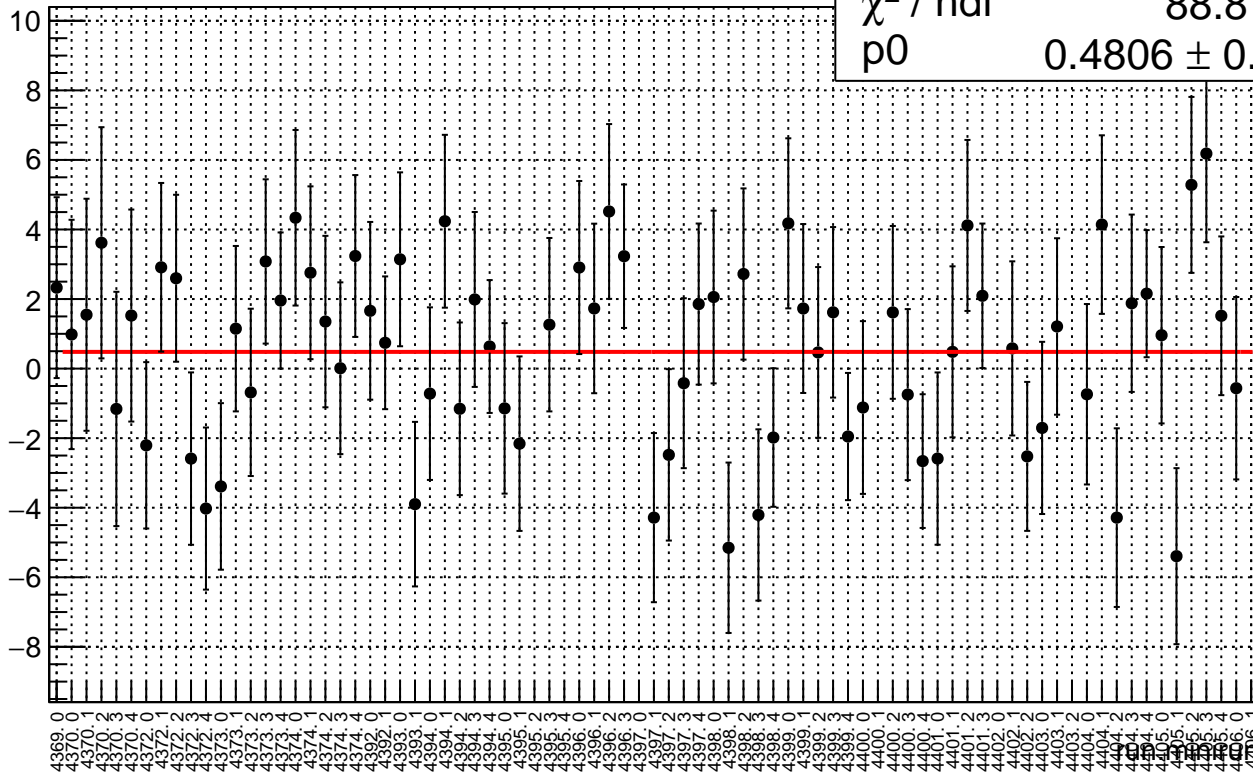
$\chi^2 / \text{ndf}$

88.87 / 73

p0

$0.4806 \pm 0.2797$

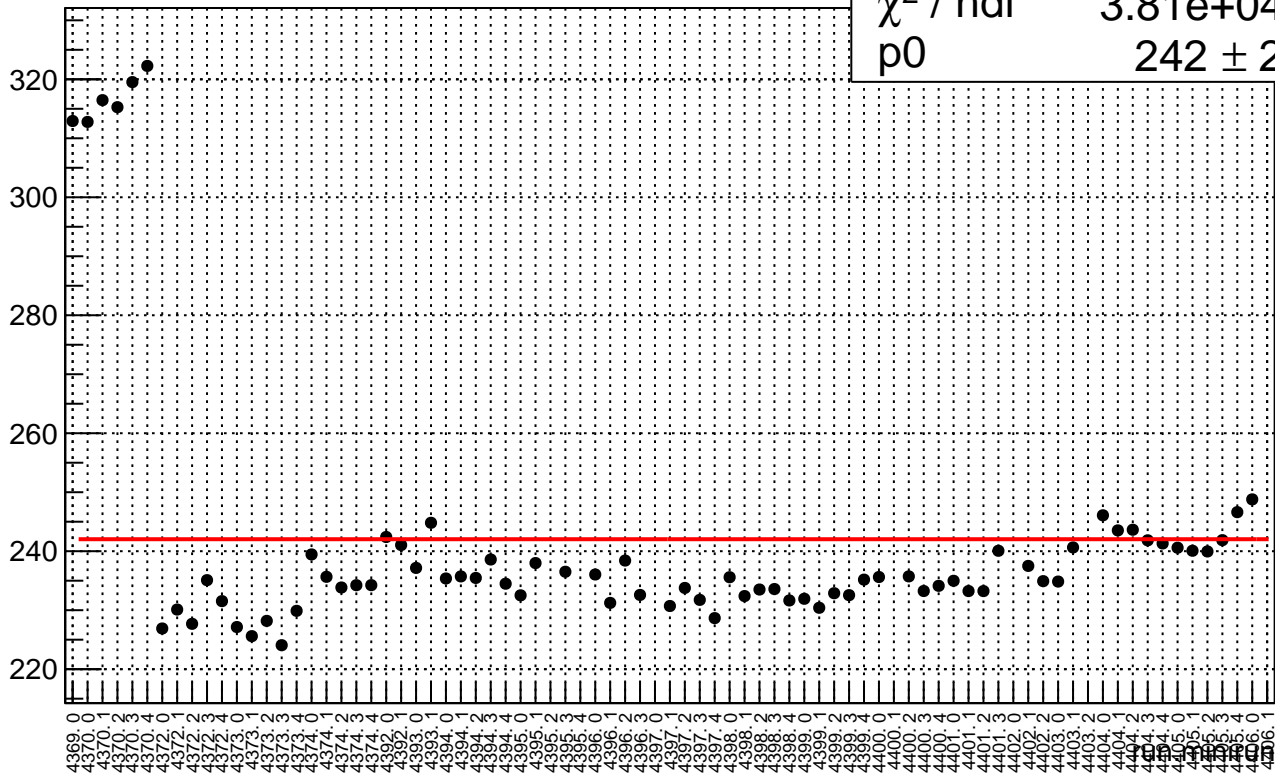
reg\_asym\_at2\_avg\_mean/ppm



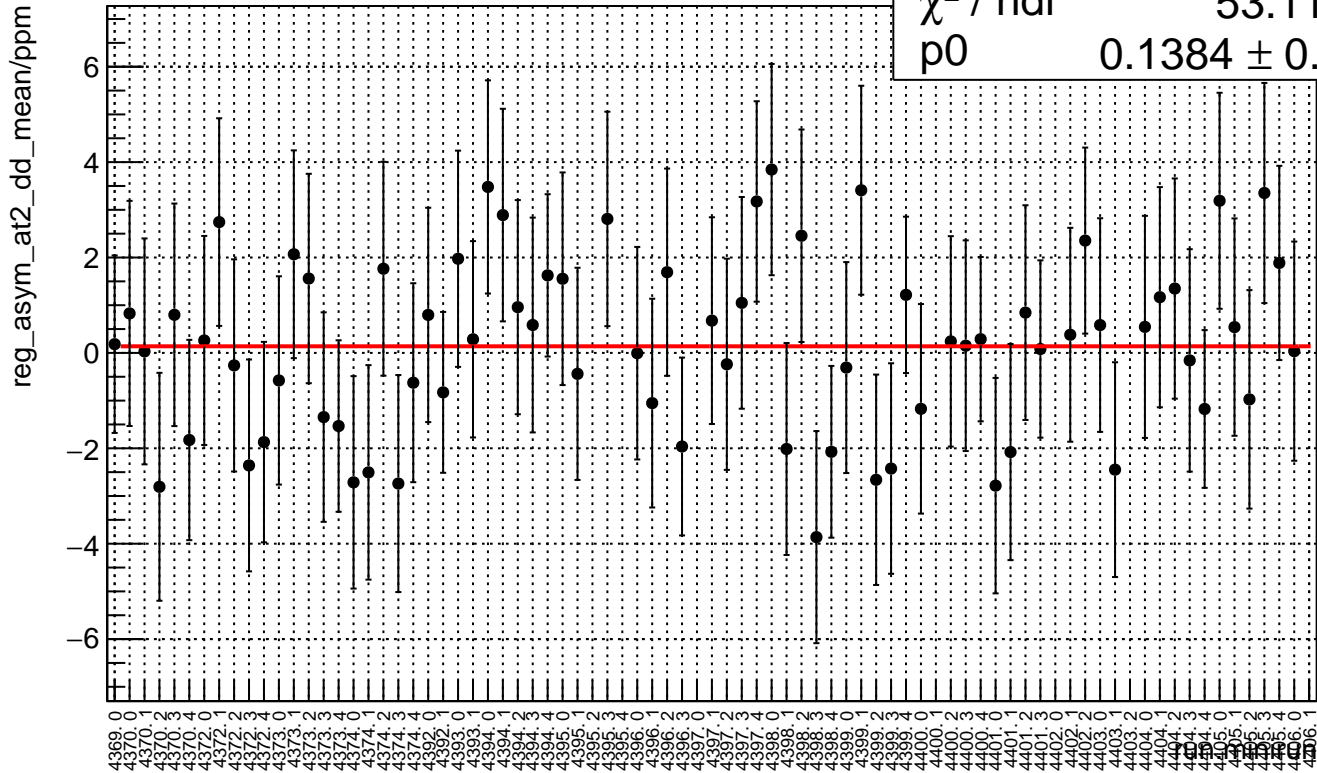
reg\_asym\_at2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  3.81e+04 / 73  
p0 242 ± 2.656

reg\_asym\_at2\_avg\_rms/ppm



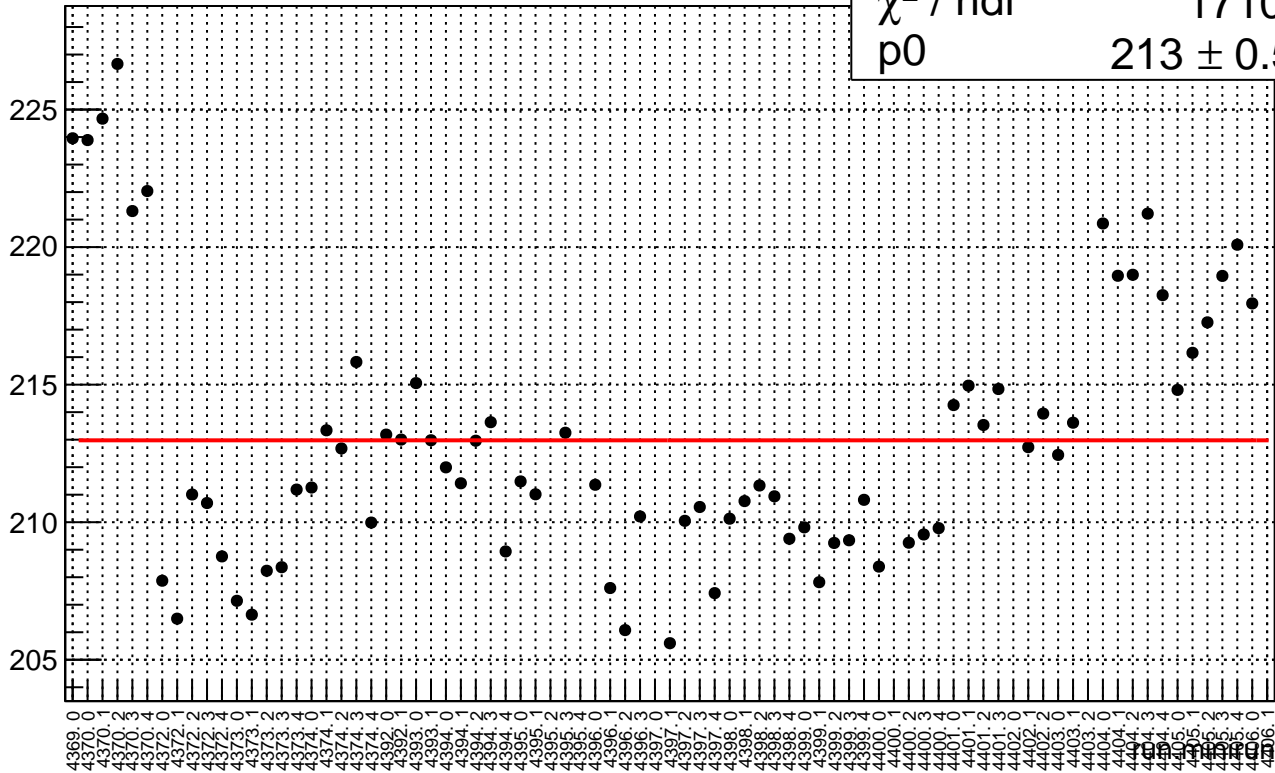
## reg\_asym\_at2\_dd\_mean/ppm

 $\chi^2 / \text{ndf}$  53.11 / 73  
 $p0$  0.1384  $\pm$  0.2481

reg\_asym\_at2\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  1710 / 73  
p0  $213 \pm 0.5627$

reg\_asym\_at2\_dd\_rms/ppm

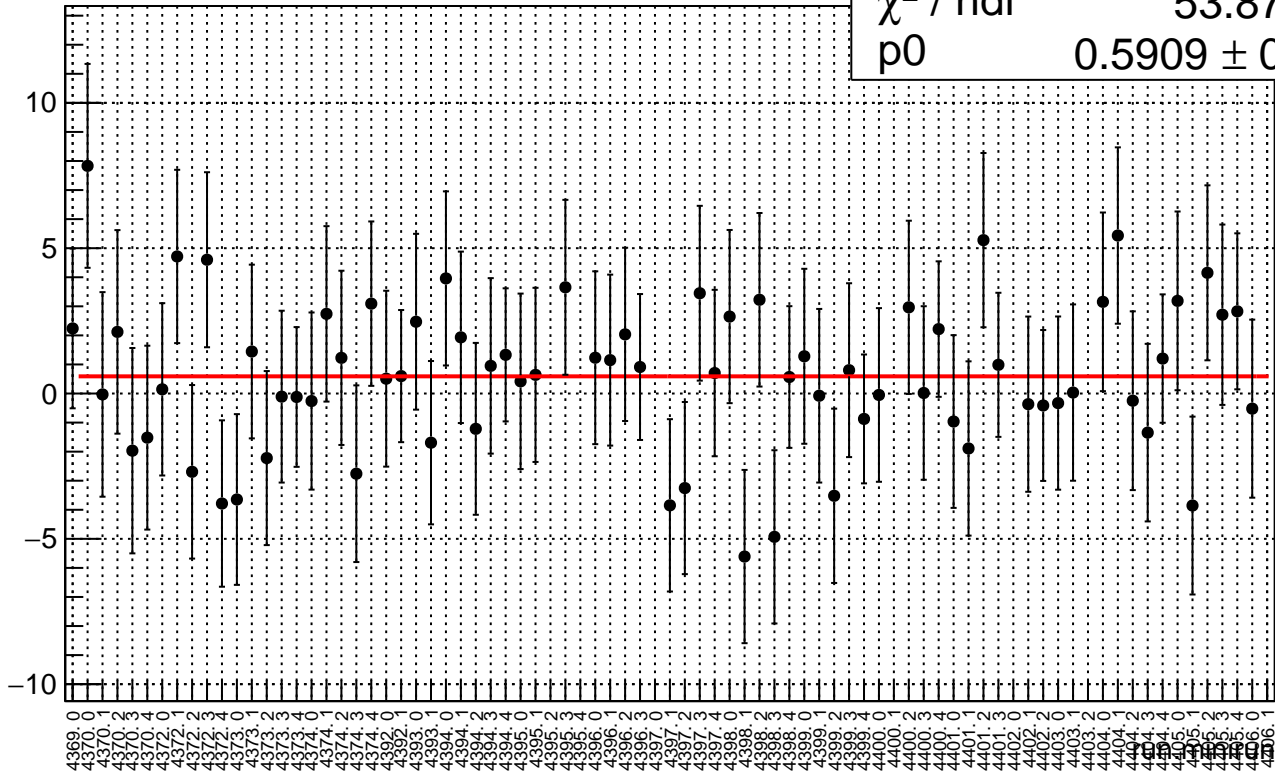




# reg\_asym\_atl1r2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  53.87 / 73  
 p0  $0.5909 \pm 0.336$

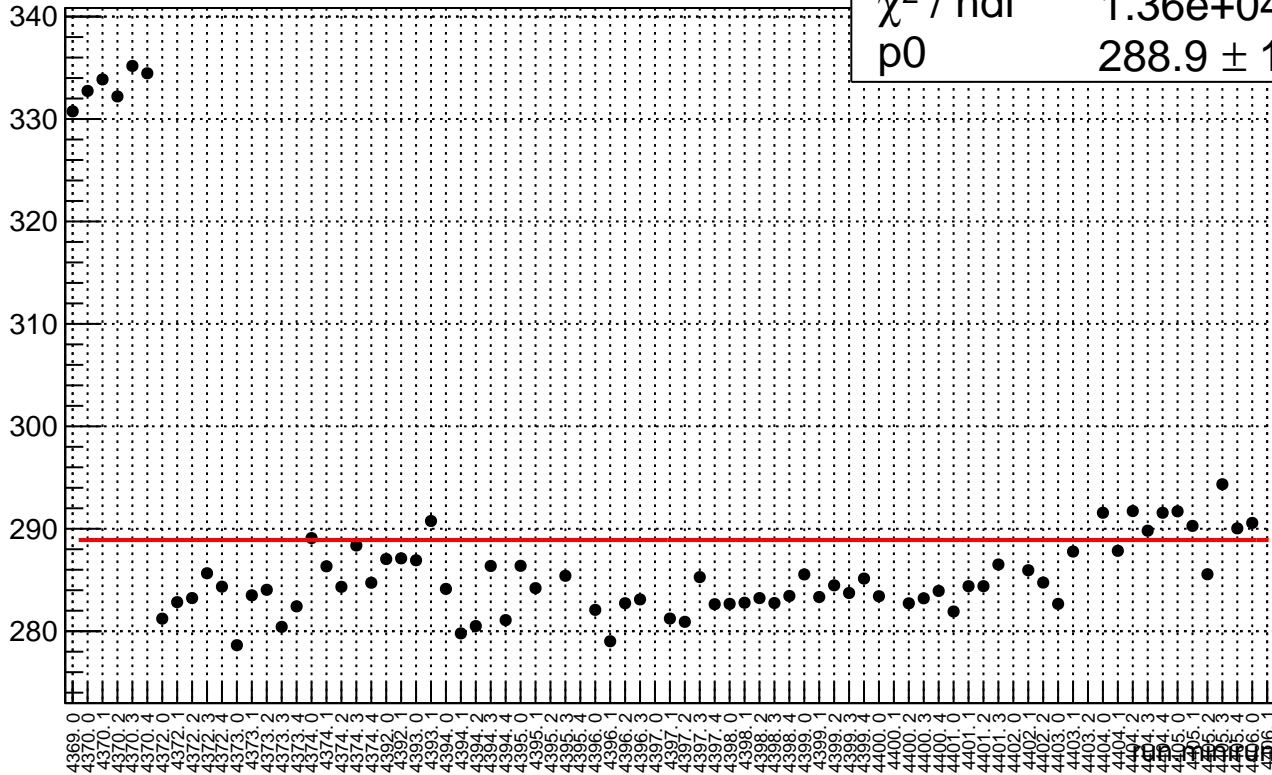
reg\_asym\_atl1r2\_avg\_mean/ppm



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

reg\_asym\_atl1r2\_avg\_rms/ppm

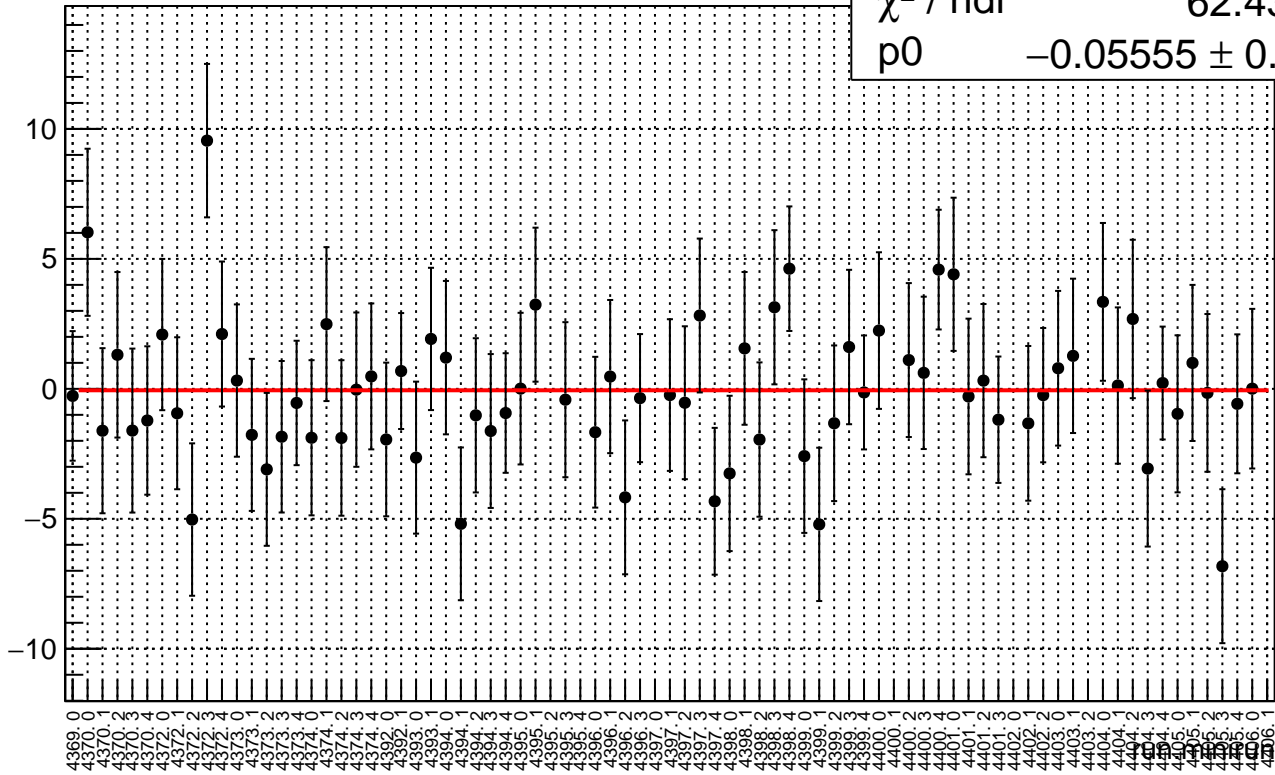
$\chi^2 / \text{ndf}$	1.36e+04 / 73
p0	288.9 ± 1.587



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

$\chi^2 / \text{ndf}$  62.43 / 73  
 p0  $-0.05555 \pm 0.3298$

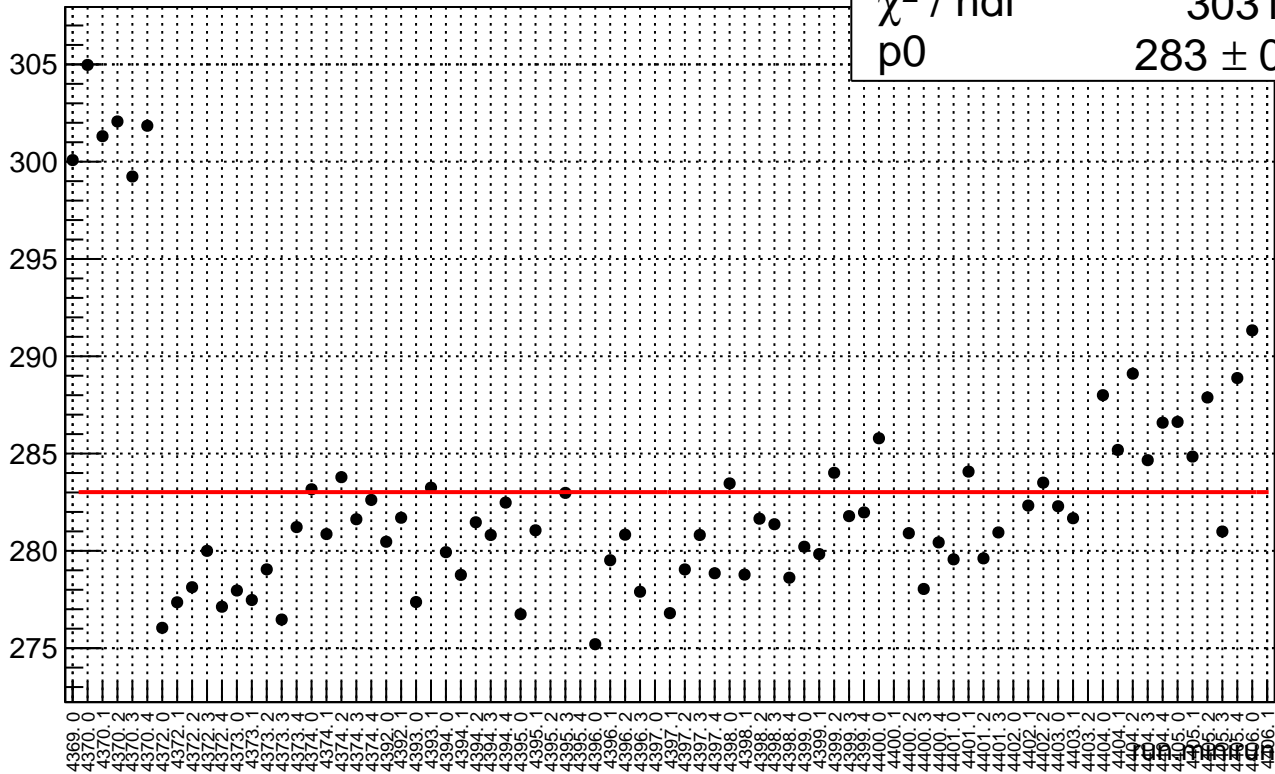
reg\_asym\_atl1r2\_dd\_mean/ppm



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

reg\_asym\_atl1r2\_dd\_rms/ppm

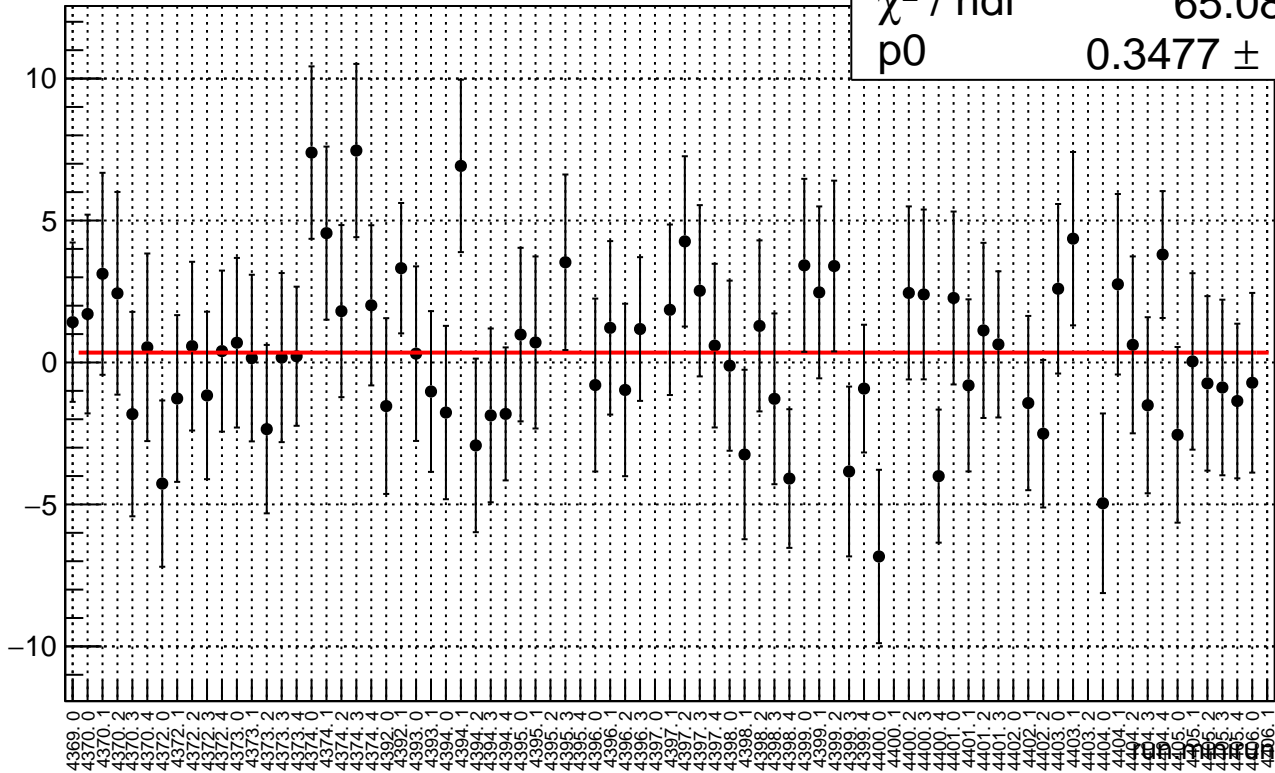
$\chi^2 / \text{ndf}$  3031 / 73  
 p0  $283 \pm 0.749$



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

$\chi^2 / \text{ndf}$  65.08 / 73  
 p0  $0.3477 \pm 0.34$

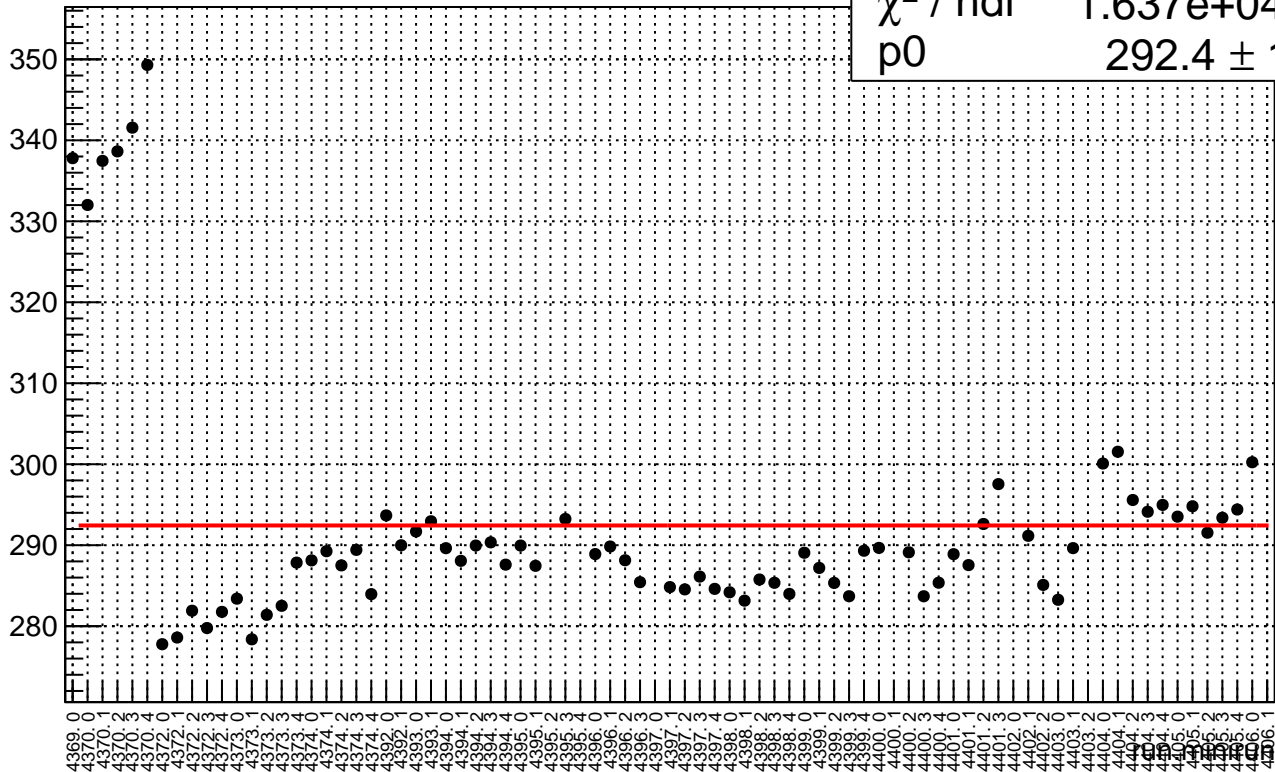
reg\_asym\_atr1l2\_avg\_mean/ppm



reg\_asym\_atr1l2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  1.637e+04 / 73  
p0 292.4 ± 1.741

reg\_asym\_atr1l2\_avg\_rms/ppm

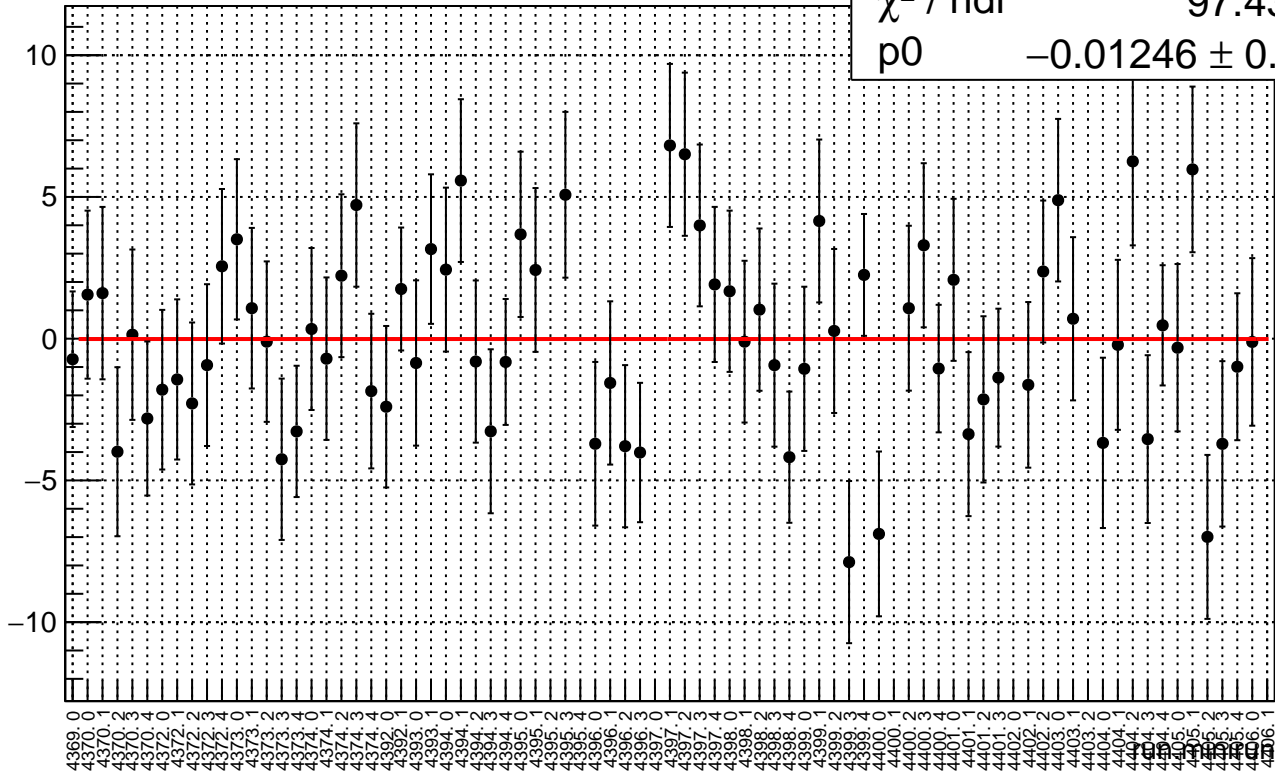


# reg\_asym\_atr1l2\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  97.43 / 73

$p_0$   $-0.01246 \pm 0.3205$

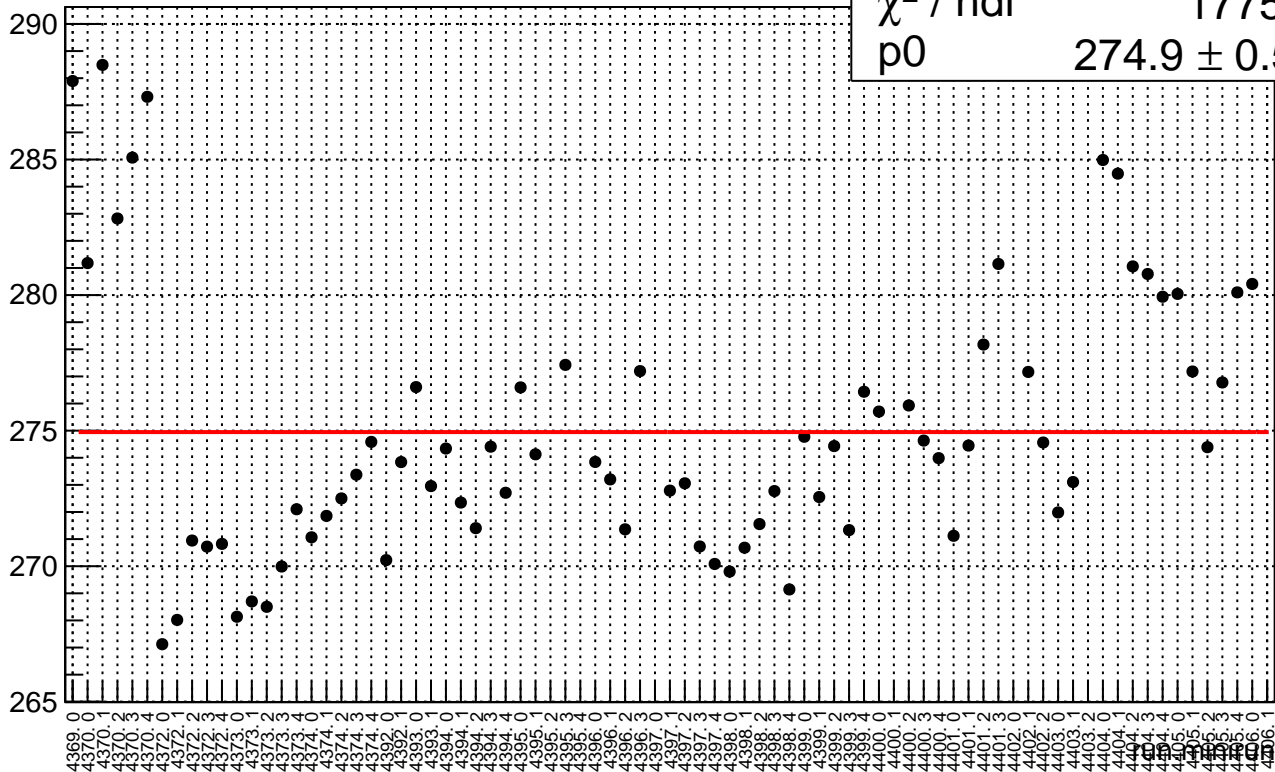
reg\_asym\_atr1l2\_dd\_mean/ppm



reg\_asym\_atr1l2\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  1775 / 73  
p0  $274.9 \pm 0.5733$

reg\_asym\_atr1l2\_dd\_rms/ppm

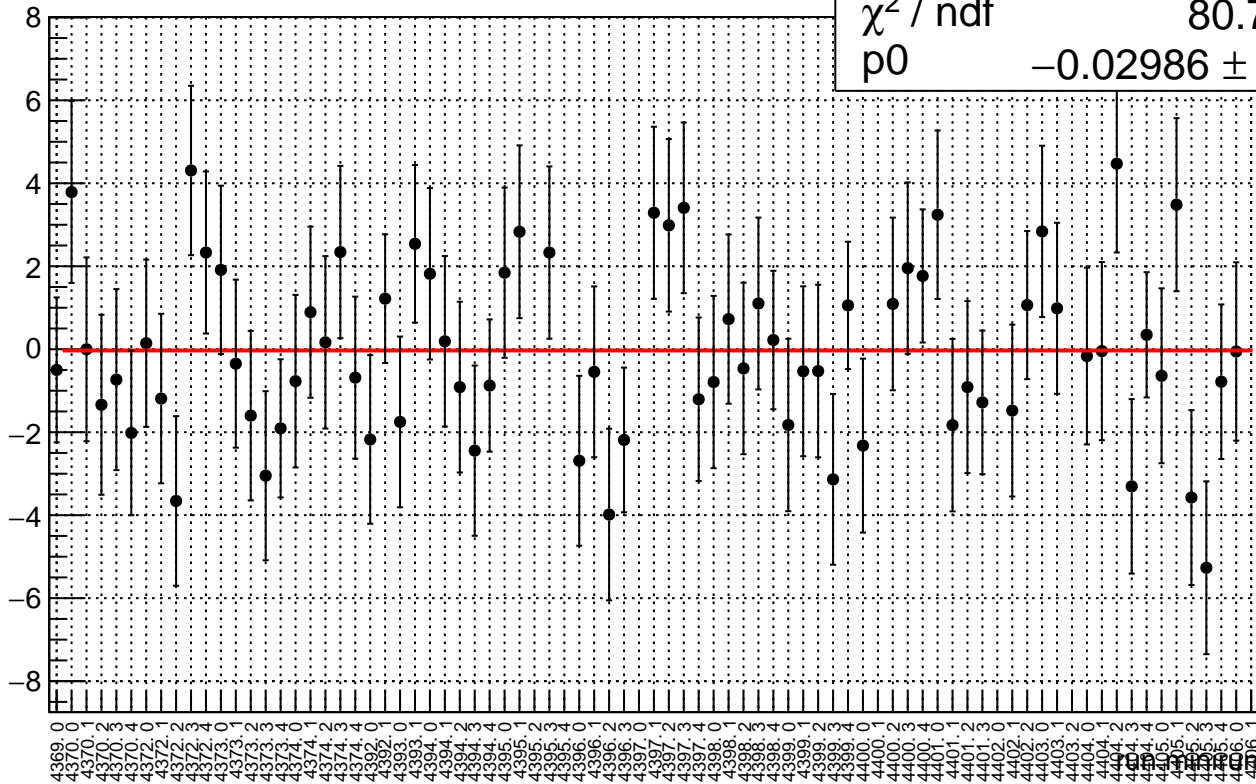




# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

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

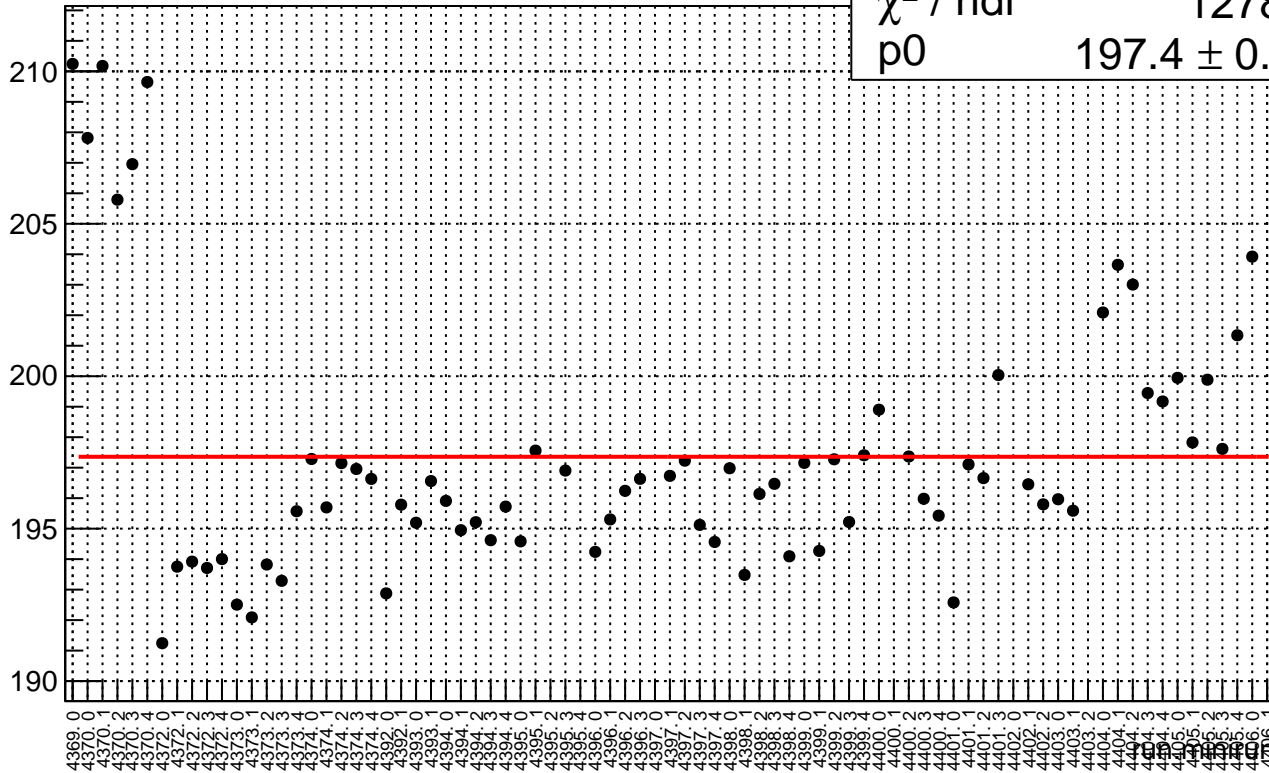
$\chi^2 / \text{ndf}$  80.7 / 73  
 p0  $-0.02986 \pm 0.23$



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

$\chi^2 / \text{ndf}$  1278 / 73  
p0  $197.4 \pm 0.4865$

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



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

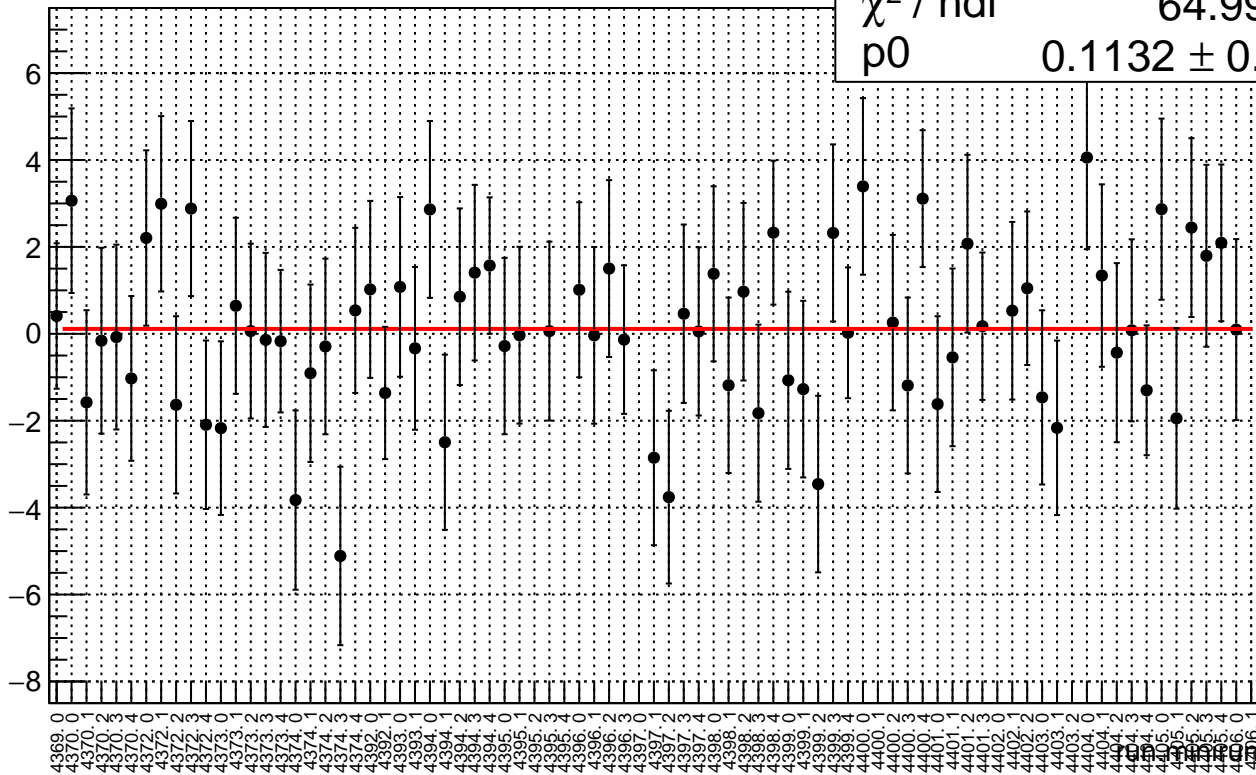
$\chi^2 / \text{ndf}$

64.99 / 73

p0

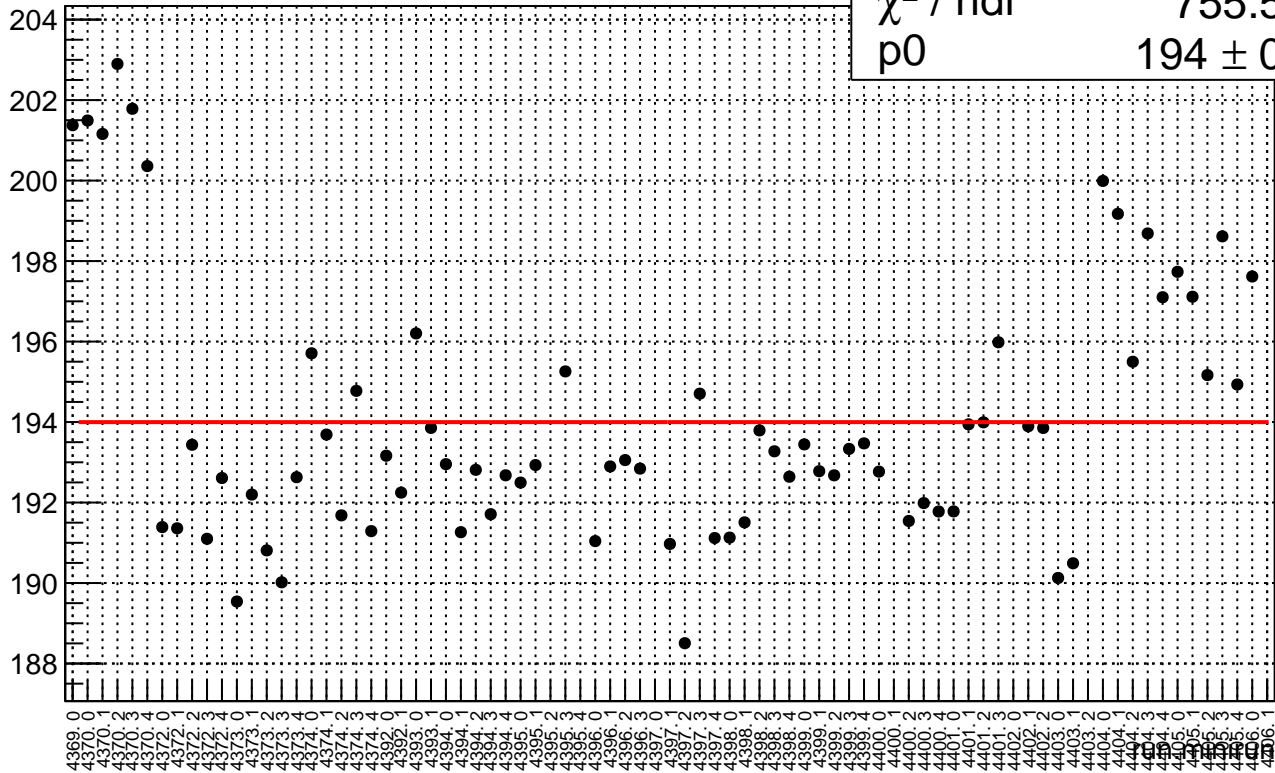
$0.1132 \pm 0.2261$

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



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

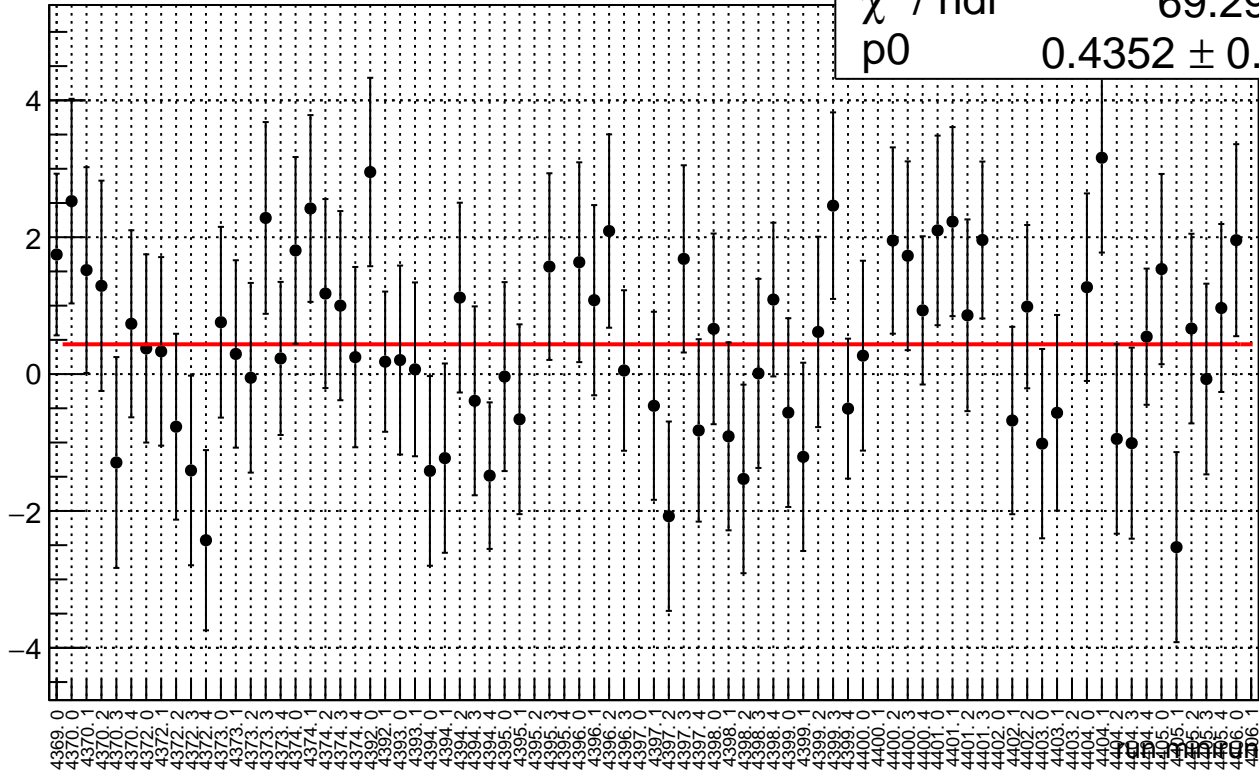
reg\_asym\_atl\_dd\_atr\_dd\_dd\_rms/ppm



reg\_asym\_usl\_mean/ppm

$\chi^2 / \text{ndf}$  69.29 / 73  
p0  $0.4352 \pm 0.1541$

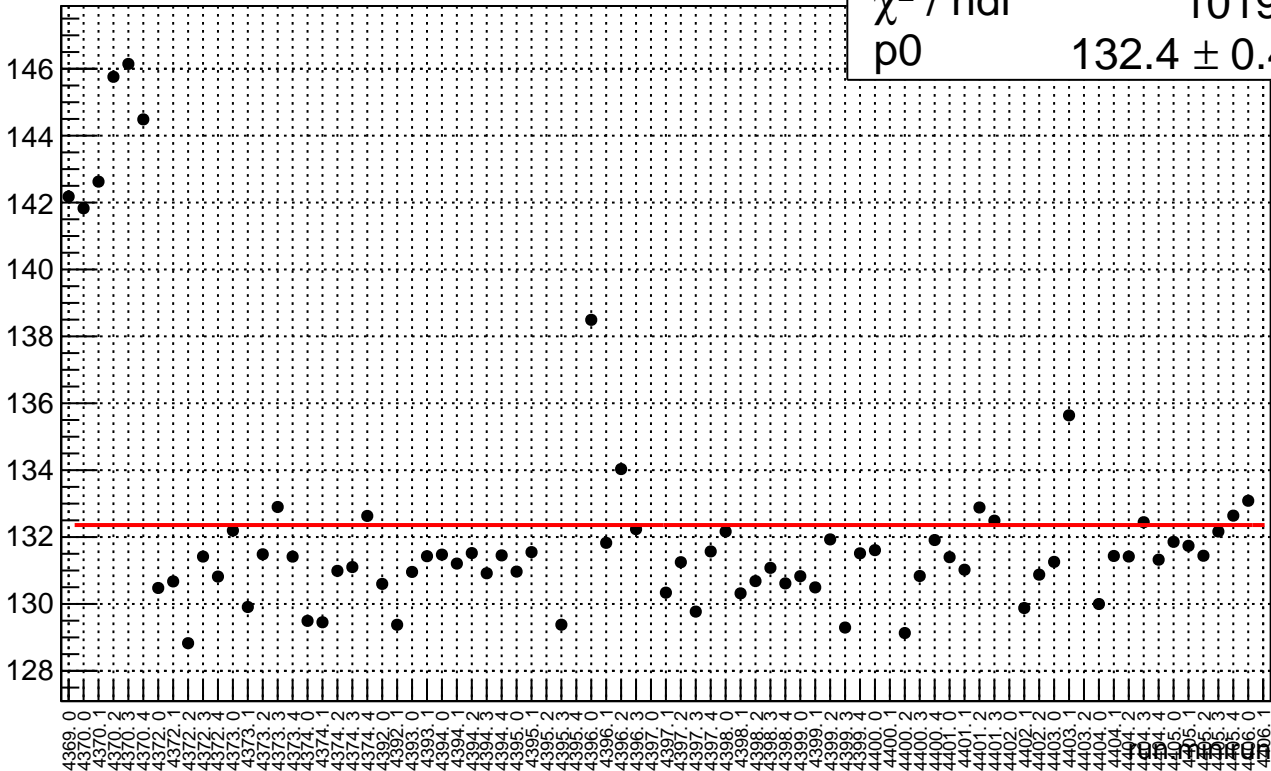
reg\_asym\_usl\_mean/ppm



reg\_asym\_usl\_rms/ppm

$\chi^2 / \text{ndf}$  1019 / 73  
p0  $132.4 \pm 0.4343$

reg\_asym\_usl\_rms/ppm

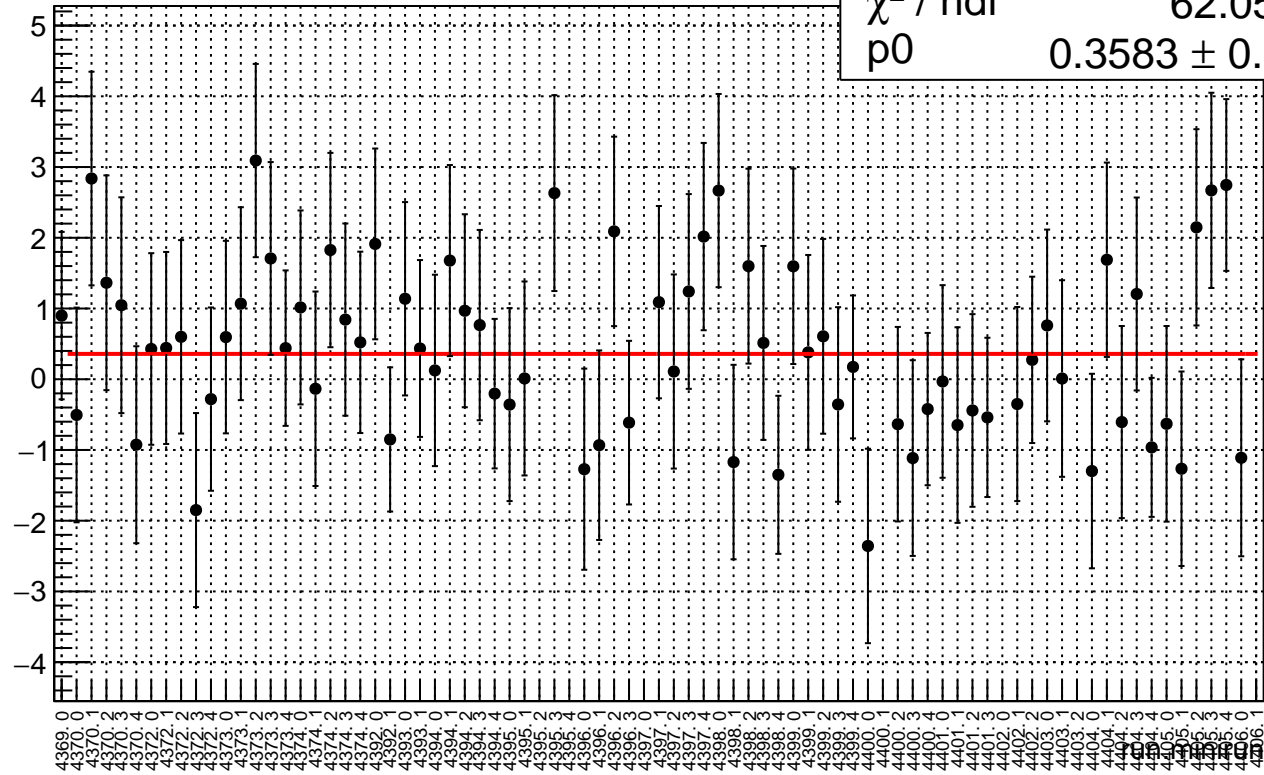


4369.0  
4370.0  
4370.1  
4370.2  
4370.3  
4370.4  
4372.0  
4372.1  
4372.2  
4372.3  
4372.4  
4373.0  
4373.1  
4373.2  
4373.3  
4373.4  
4374.0  
4374.1  
4374.2  
4374.3  
4374.4  
4374.5  
4392.0  
4392.1  
4393.0  
4393.1  
4394.0  
4394.1  
4394.2  
4394.3  
4394.4  
4394.5  
4395.0  
4395.1  
4395.2  
4395.3  
4395.4  
4396.0  
4396.1  
4396.2  
4396.3  
4396.4  
4397.0  
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4397.2  
4397.3  
4397.4  
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4398.2  
4398.3  
4398.4  
4399.0  
4399.1  
4399.2  
4399.3  
4399.4  
4400.0  
4400.1  
4400.2  
4400.3  
4400.4  
4401.0  
4401.1  
4401.2  
4401.3  
4402.0  
4402.1  
4402.2  
4403.0  
4403.1  
4403.2  
4404.0  
4404.1  
4404.2  
4404.3  
4404.4  
4404.5  
4405.0  
4405.1  
4405.2  
4405.3  
4405.4  
4406.0

# reg\_asym\_usr\_mean/ppm

reg\_asym\_usr\_mean/ppm

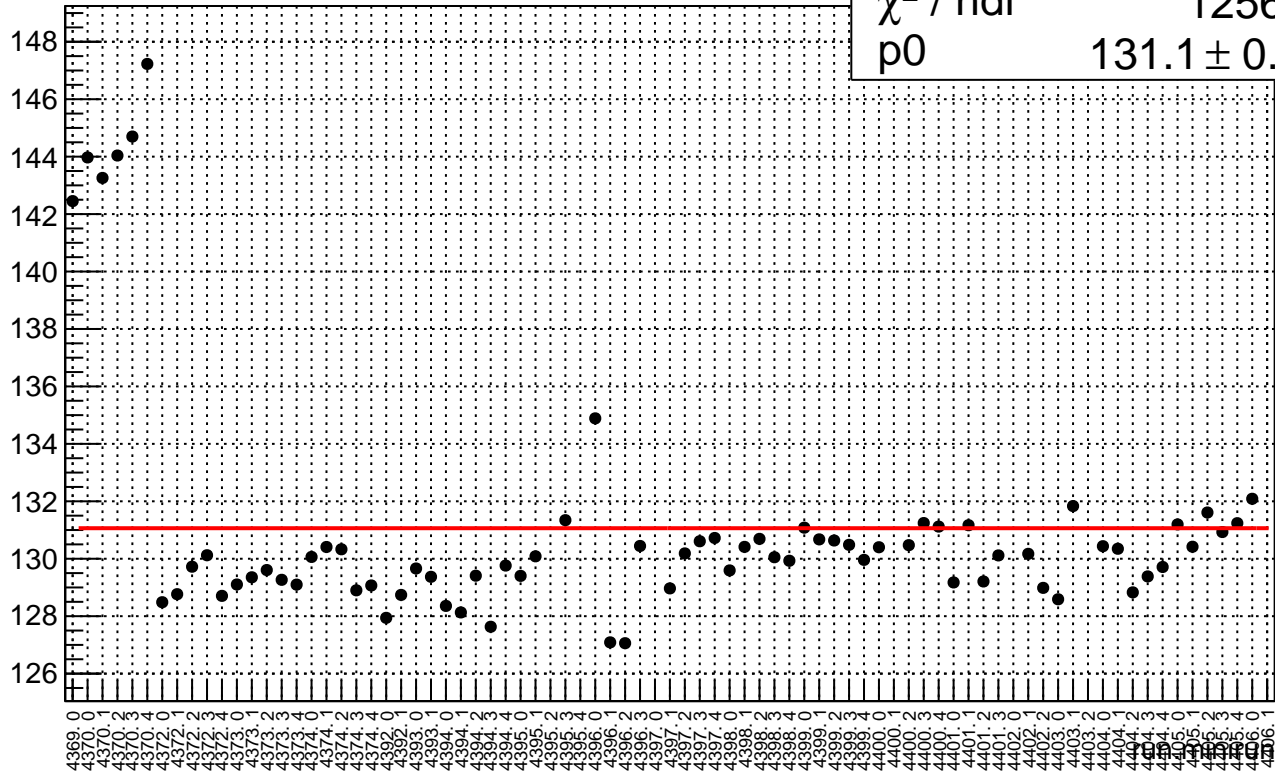
$\chi^2 / \text{ndf}$  62.05 / 73  
 p0  $0.3583 \pm 0.1526$



reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  1256 / 73  
p0  $131.1 \pm 0.4821$

reg\_asym\_usr\_rms/ppm

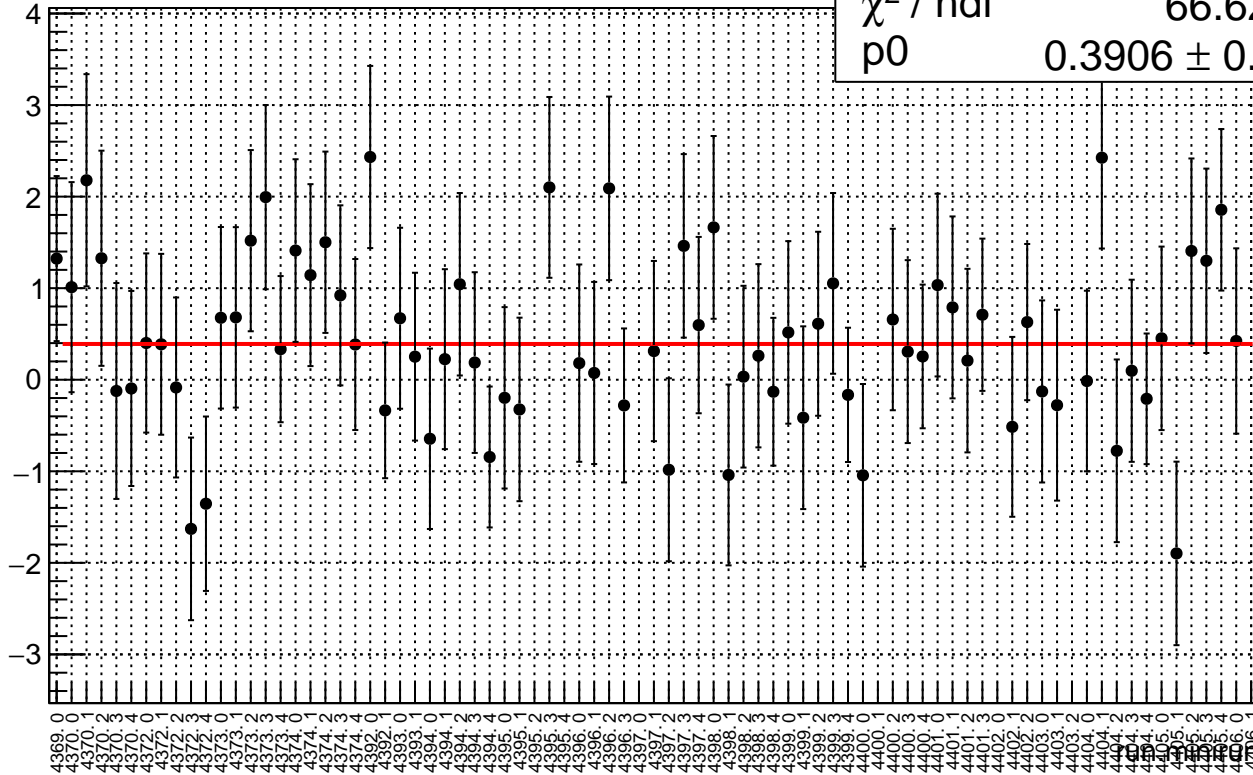




reg\_asym\_us\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  66.62 / 73  
p0  $0.3906 \pm 0.1114$

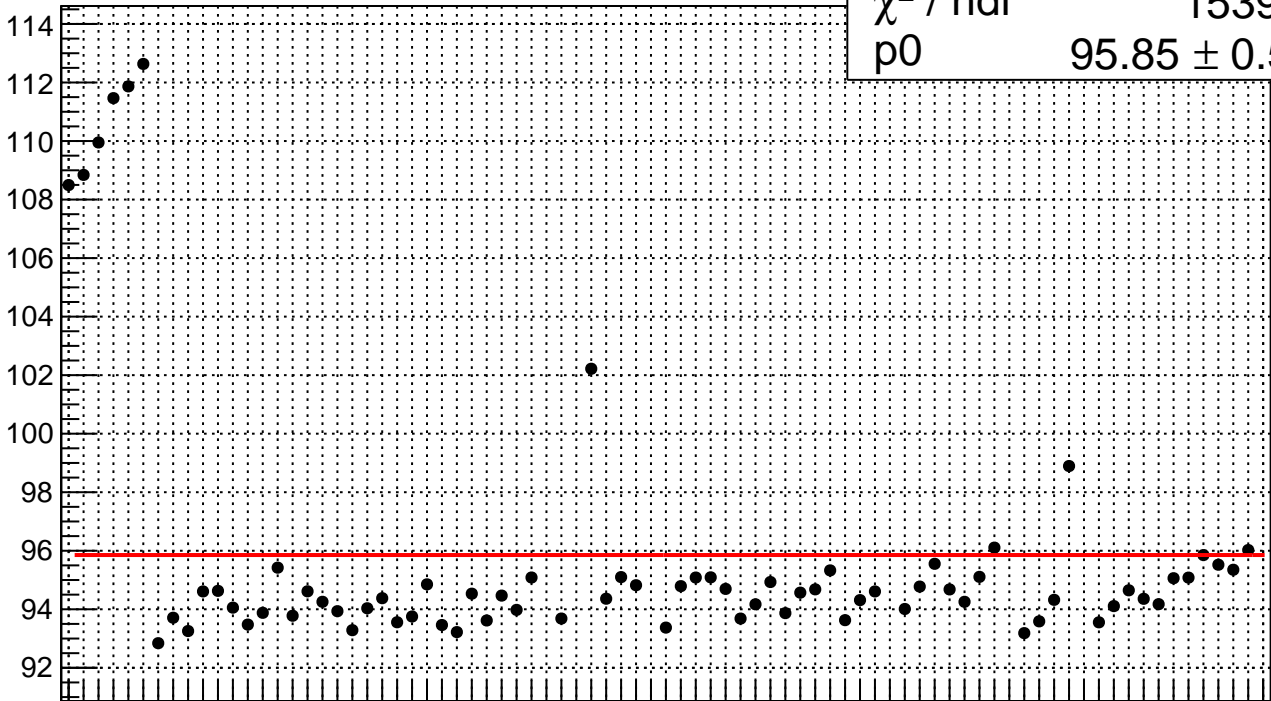
reg\_asym\_us\_avg\_mean/ppm



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

$\chi^2 / \text{ndf}$	1539 / 73
p0	$95.85 \pm 0.5337$

reg\_asym\_us\_avg\_rms/ppm

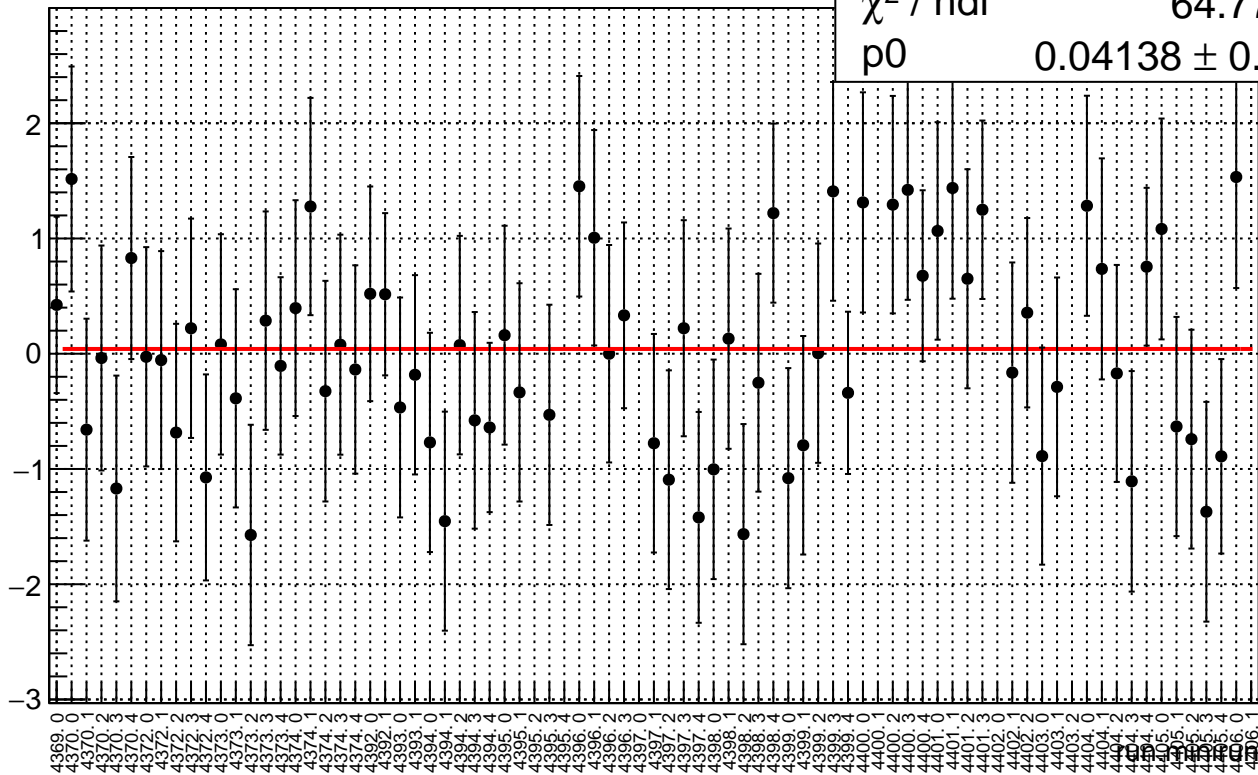


4369 0 0  
 4370 0 1  
 4370 1 2  
 4370 2 3  
 4370 3 4  
 4372 0 1  
 4372 1 2  
 4372 2 3  
 4372 3 4  
 4373 0 1  
 4373 1 2  
 4373 2 3  
 4373 3 4  
 4374 0 1  
 4374 1 2  
 4374 2 3  
 4374 3 4  
 4374 4 0  
 4374 5 1  
 4392 0 1  
 4392 1 2  
 4393 0 1  
 4393 1 2  
 4394 0 1  
 4394 1 2  
 4394 2 3  
 4394 3 4  
 4394 4 0  
 4395 0 1  
 4395 1 2  
 4395 2 3  
 4395 3 4  
 4396 0 1  
 4396 1 2  
 4396 2 3  
 4396 3 4  
 4397 0 1  
 4397 1 2  
 4397 2 3  
 4397 3 4  
 4398 0 1  
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 4398 2 3  
 4398 3 4  
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 4399 2 3  
 4399 3 4  
 4400 0 1  
 4400 1 2  
 4400 2 3  
 4400 3 4  
 4401 0 1  
 4401 1 2  
 4401 2 3  
 4401 3 4  
 4402 0 1  
 4402 1 2  
 4402 2 3  
 4403 0 1  
 4403 1 2  
 4403 2 3  
 4404 0 1  
 4404 1 2  
 4404 2 3  
 4404 3 4  
 4405 0 1  
 4405 1 2  
 4405 2 3  
 4405 3 4  
 4406 0 1

reg\_asym\_us\_dd\_mean/ppm

reg\_asym\_us\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  64.77 / 73  
p0 0.04138  $\pm$  0.1052



reg\_asym\_us\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  58.5 / 73  
p0 90.3 ± 0.1041

reg\_asym\_us\_dd\_rms/ppm

