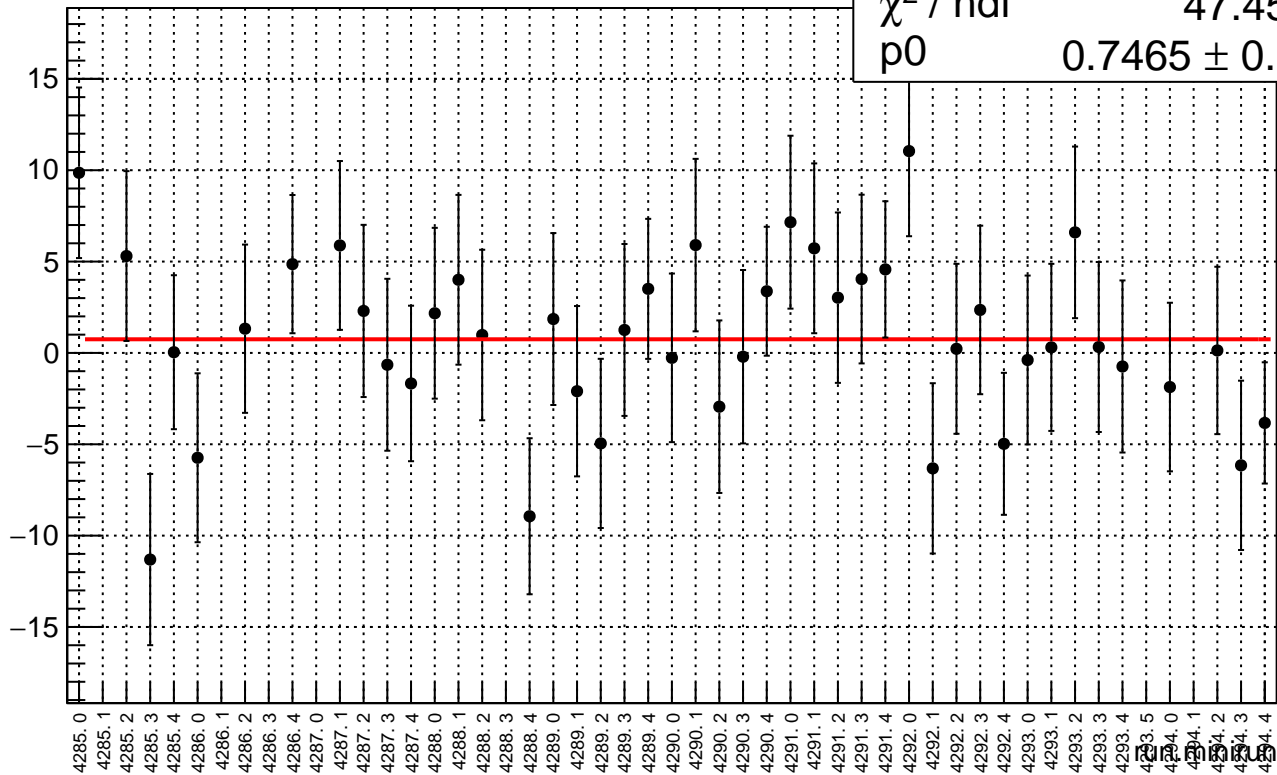


# reg\_asym\_atl1\_mean/ppm

reg\_asym\_atl1\_mean/ppm

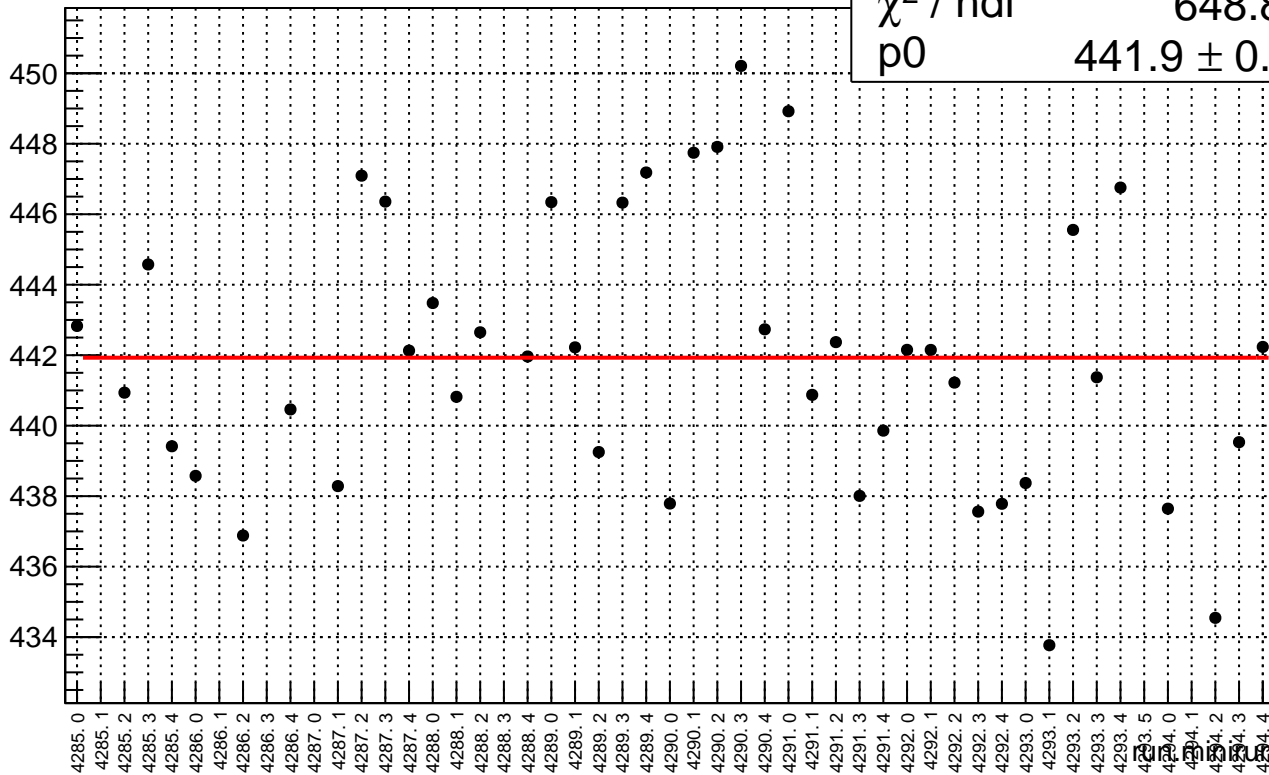


reg\_asym\_atl1\_rms/ppm

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

648.8 / 43  
441.9 ± 0.5856

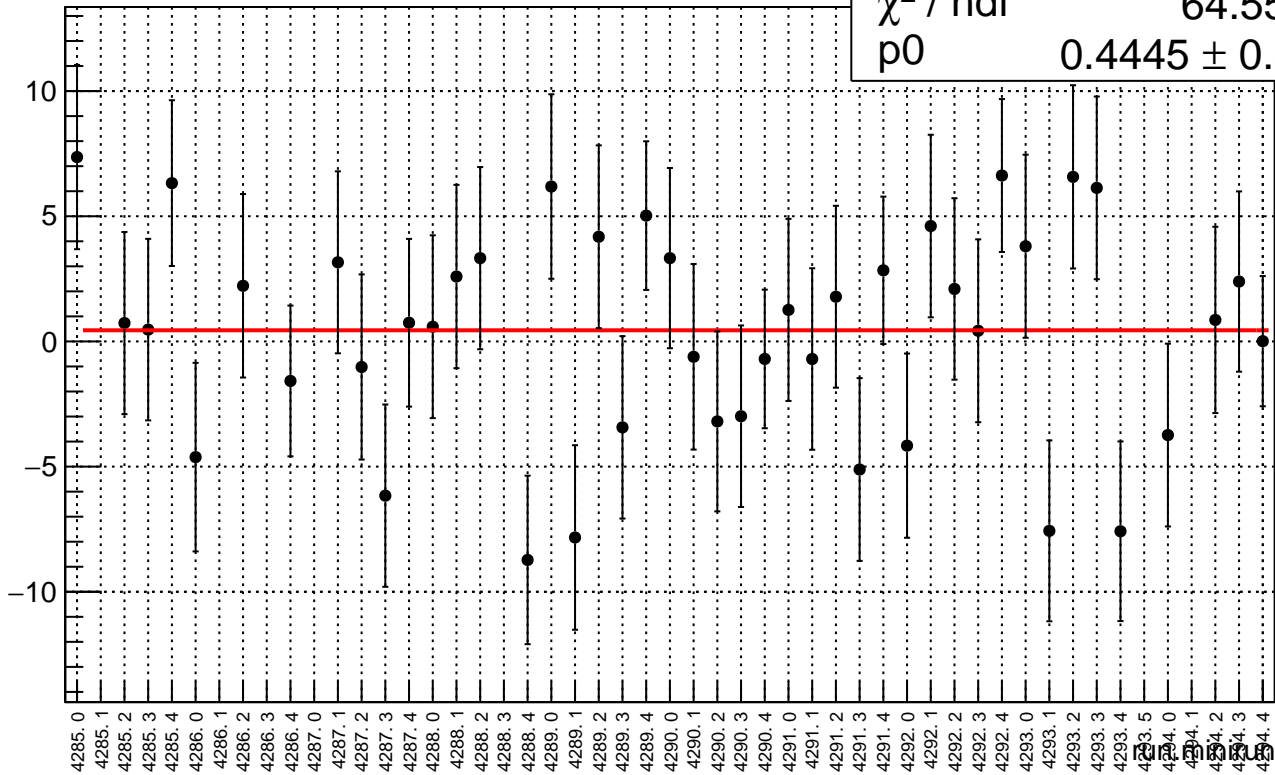
reg\_asym\_atl1\_rms/ppm



reg\_asym\_atl2\_mean/ppm

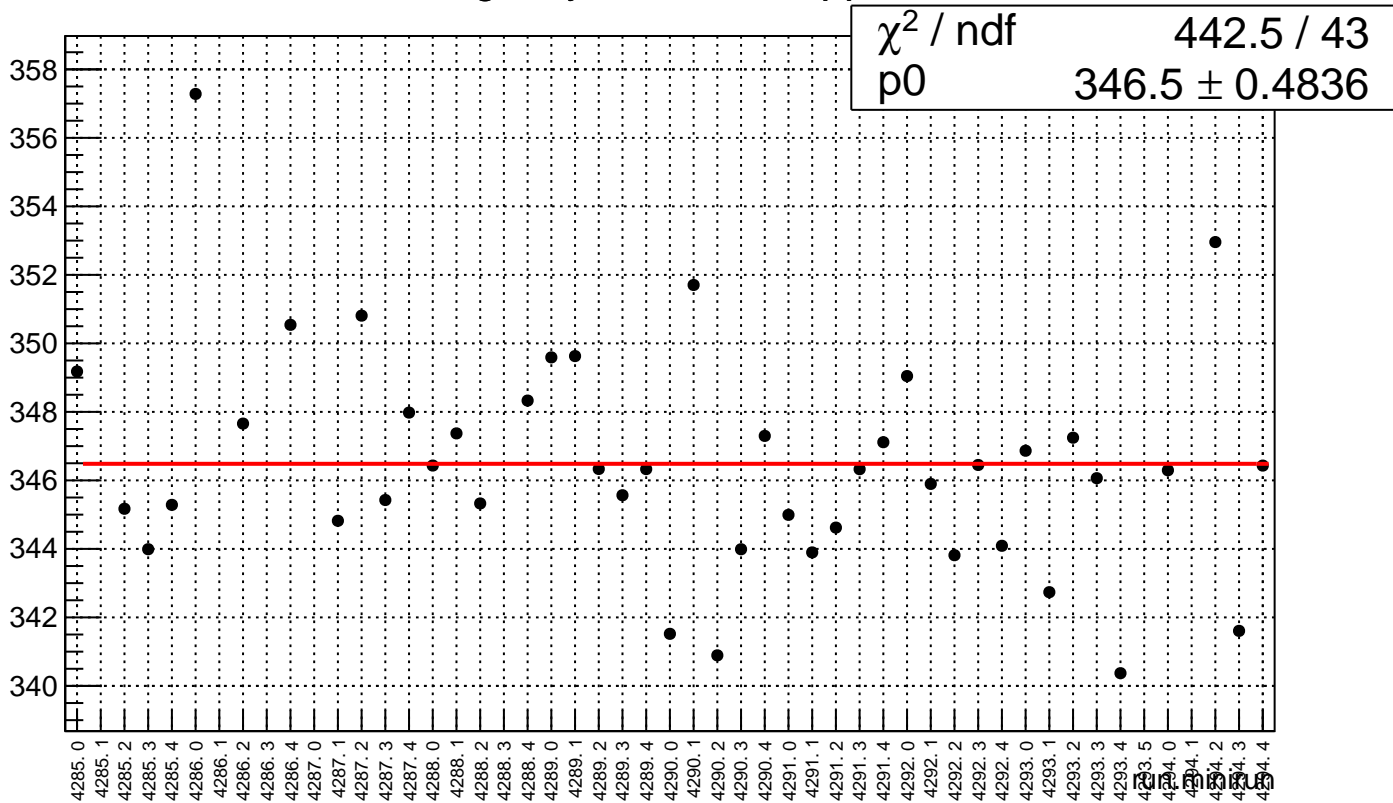
$\chi^2 / \text{ndf}$  64.55 / 43  
p0  $0.4445 \pm 0.5256$

reg\_asym\_atl2\_mean/ppm



## reg\_asym\_atl2\_rms/ppm

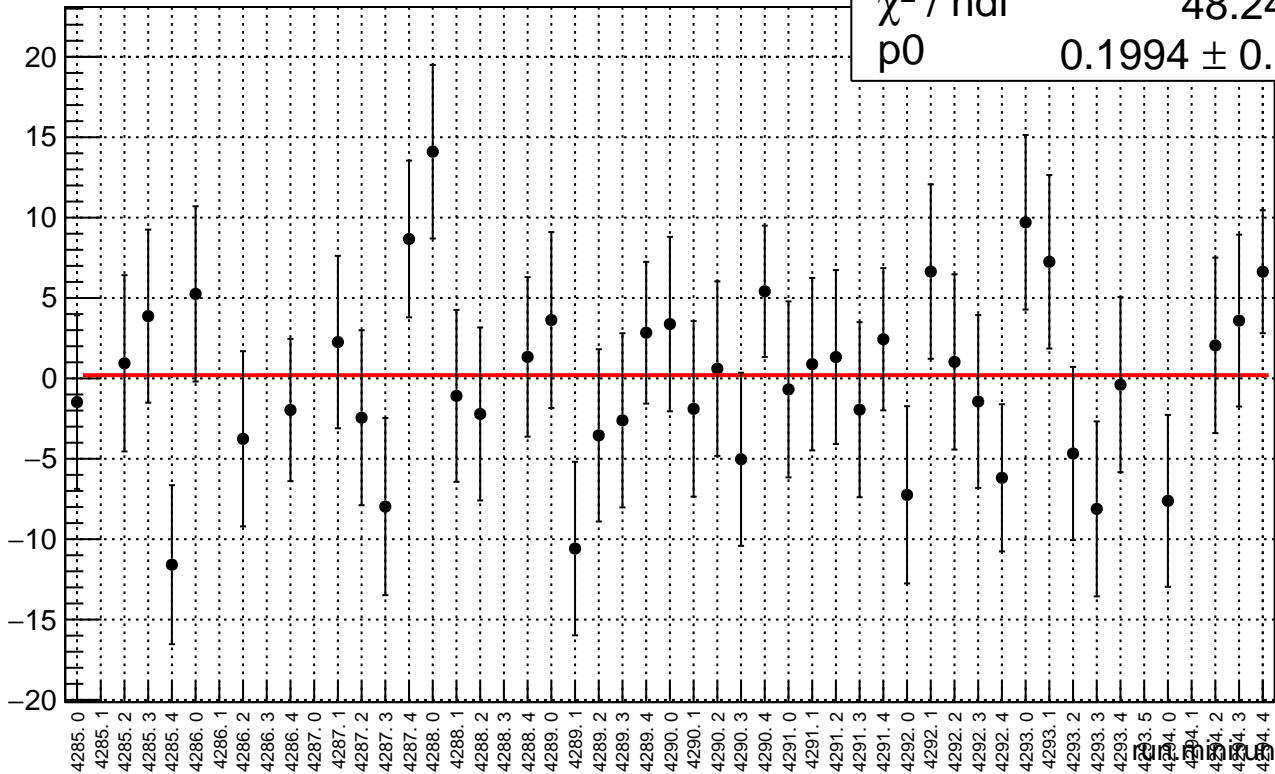
reg\_asym\_atl2\_rms/ppm



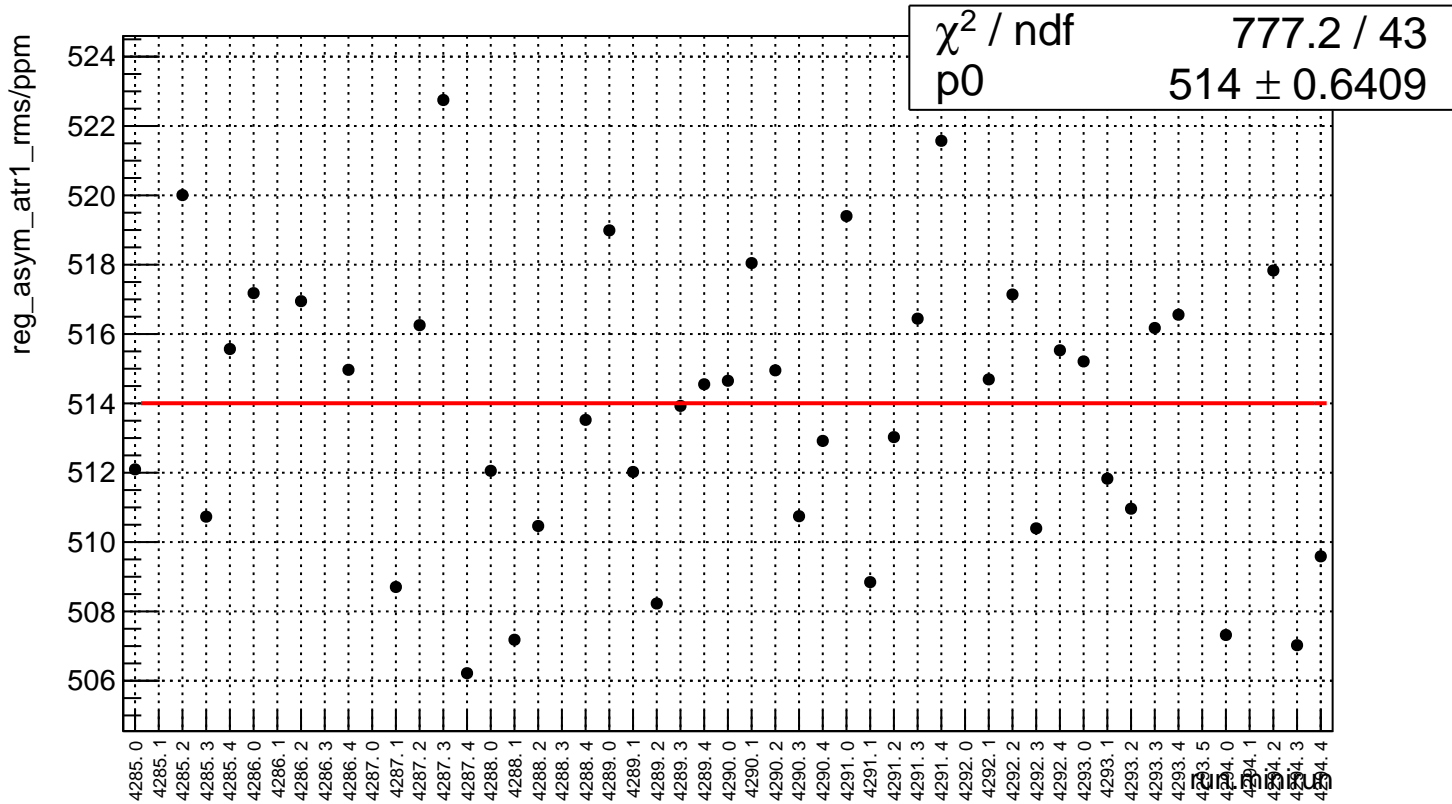
reg\_asym\_atr1\_mean/ppm

$\chi^2 / \text{ndf}$  48.24 / 43  
p0 0.1994 ± 0.7795

reg\_asym\_atr1\_mean/ppm



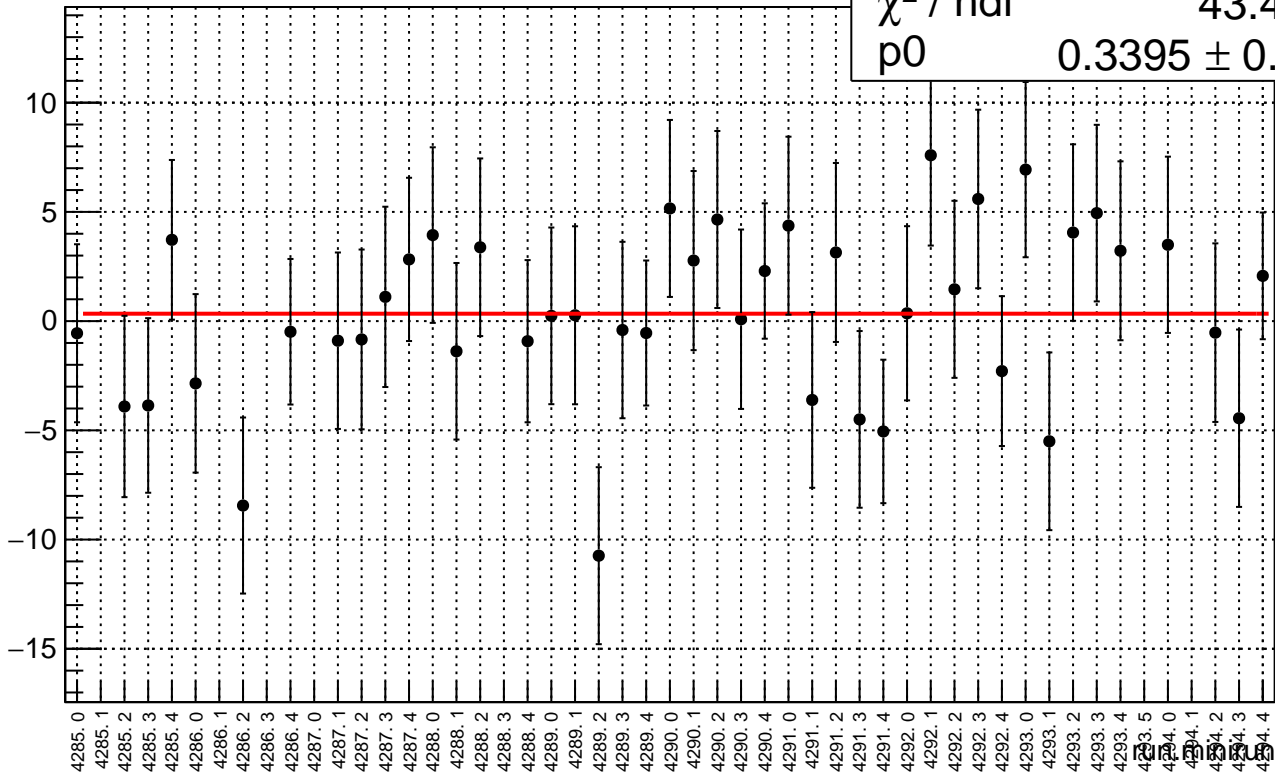
# reg\_asym\_atr1\_rms/ppm



reg\_asym\_atr2\_mean/ppm

$\chi^2 / \text{ndf}$  43.4 / 43  
p0 0.3395 ± 0.5851

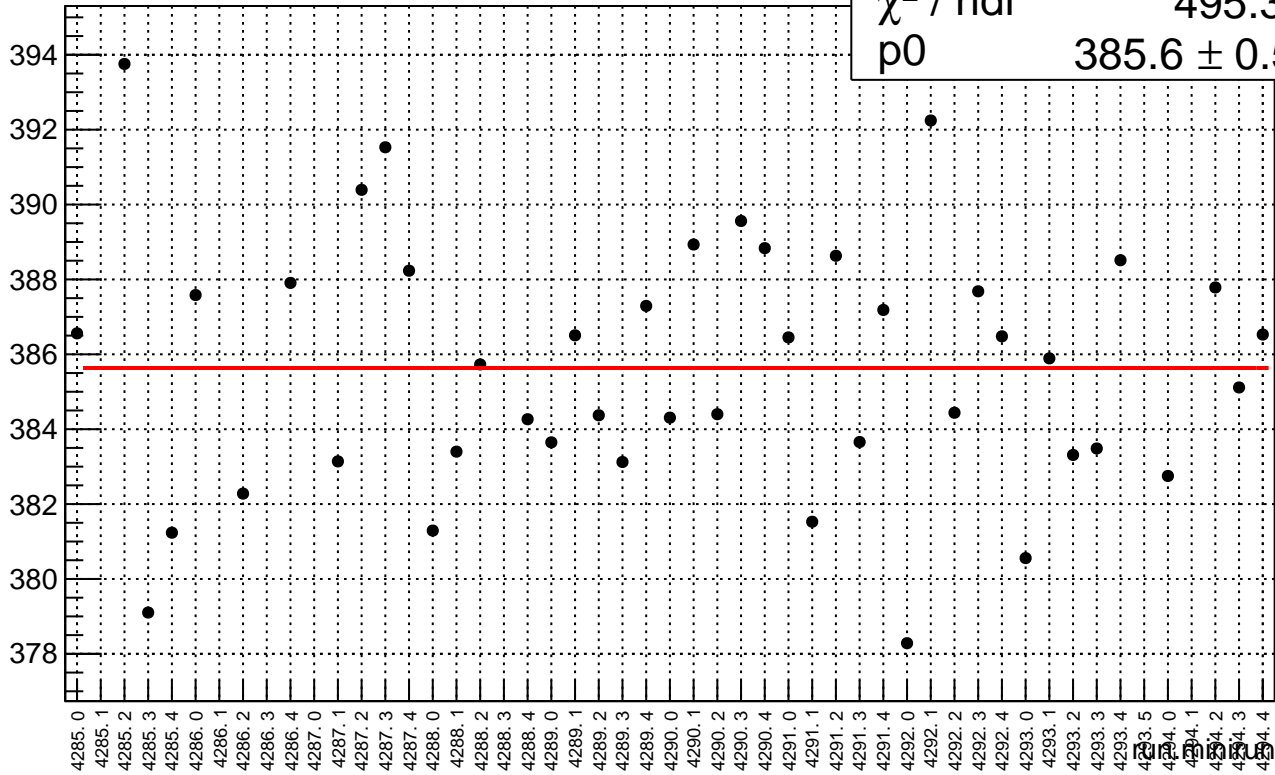
reg\_asym\_atr2\_mean/ppm



# reg\_asym\_atr2\_rms/ppm

$\chi^2 / \text{ndf}$  495.3 / 43  
 p0 385.6 ± 0.5117

reg\_asym\_atr2\_rms/ppm

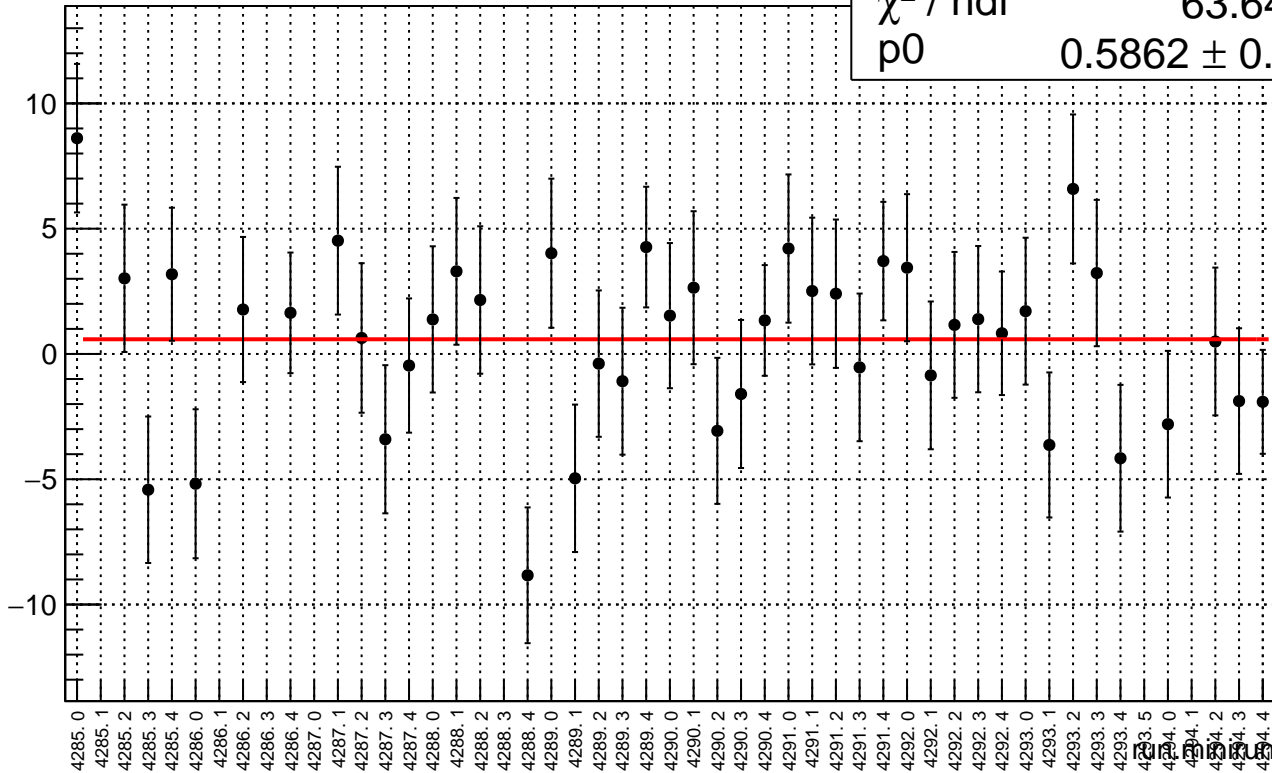




# reg\_asym\_atl\_avg\_mean/ppm

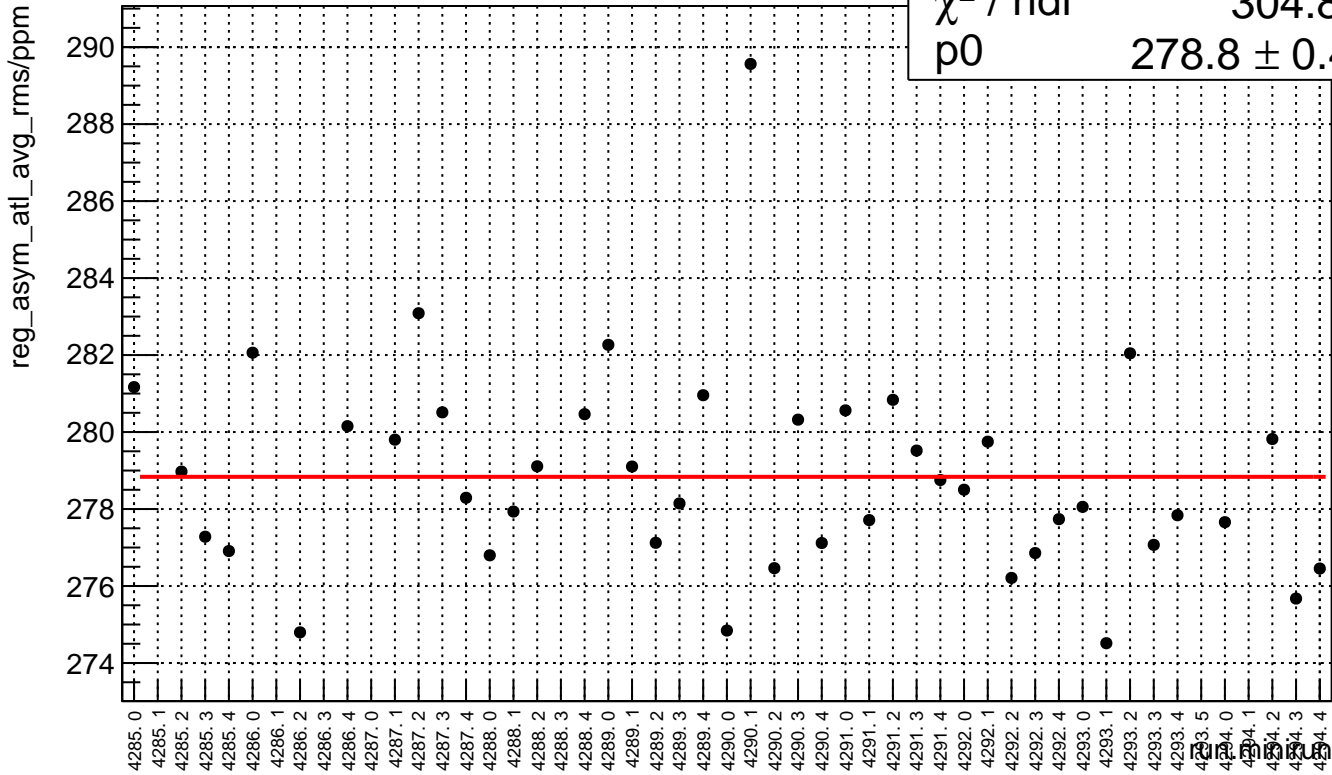
reg\_asym\_atl\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  63.64 / 43  
 p0  $0.5862 \pm 0.4228$



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

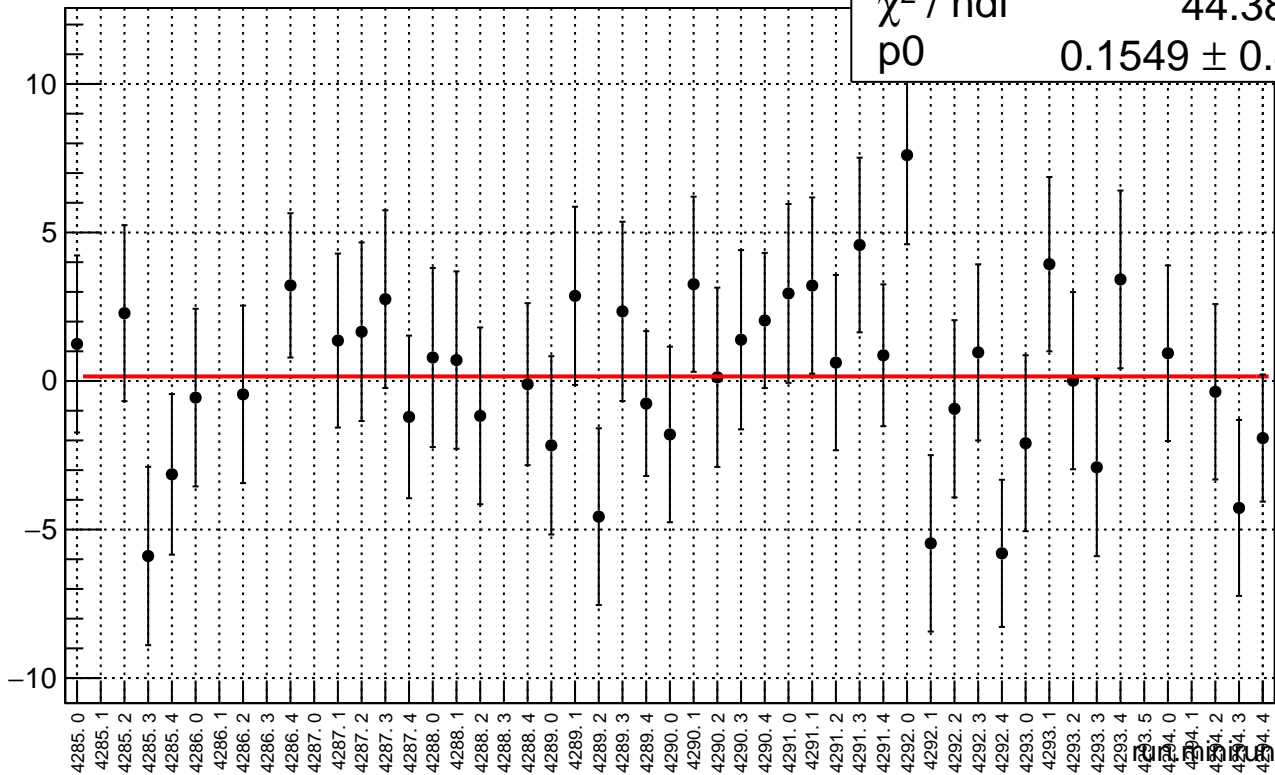
$\chi^2 / \text{ndf}$  304.8 / 43  
 p0 278.8 ± 0.4014



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

reg\_asym\_atl\_dd\_mean/ppm

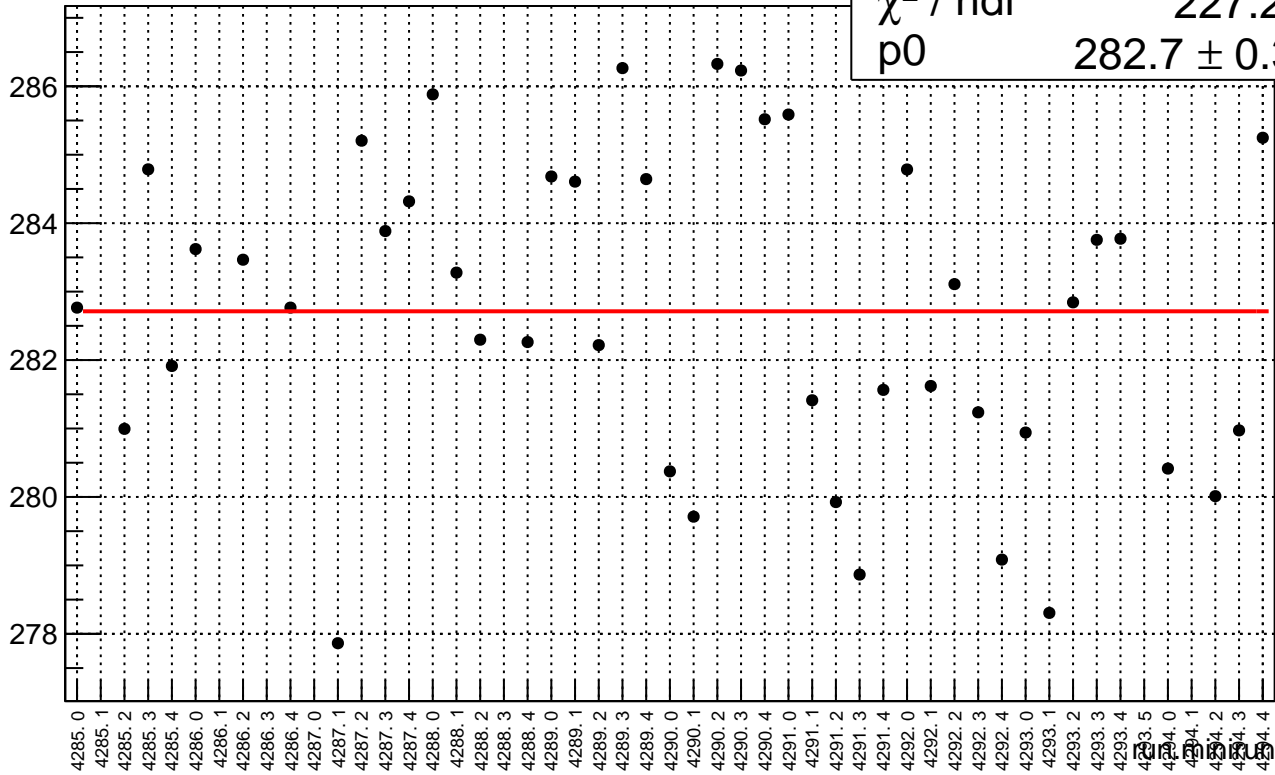
$\chi^2 / \text{ndf}$  44.38 / 43  
 p0  $0.1549 \pm 0.4289$



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

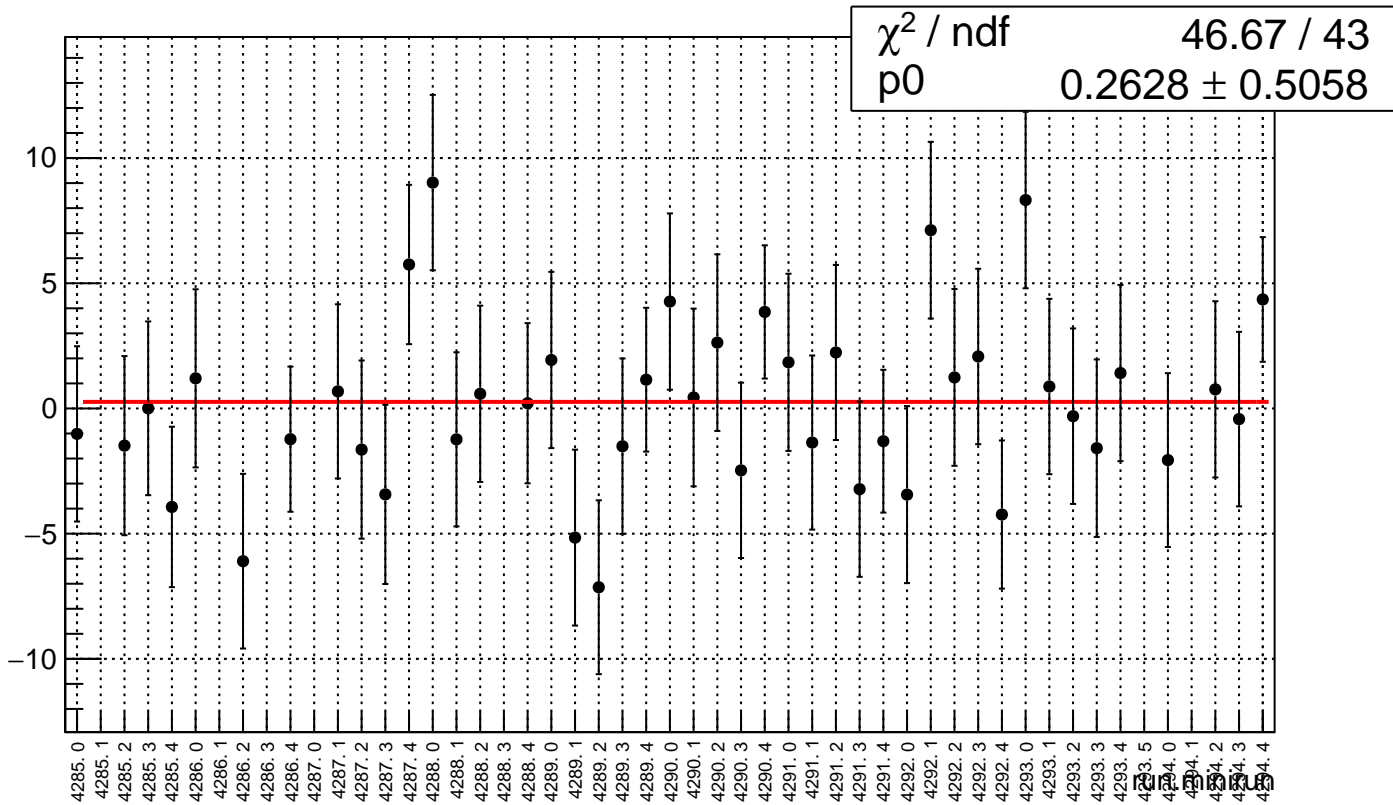
$\chi^2 / \text{ndf}$  227.2 / 43  
 p0  $282.7 \pm 0.3465$

reg\_asym\_atl\_dd\_rms/ppm



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

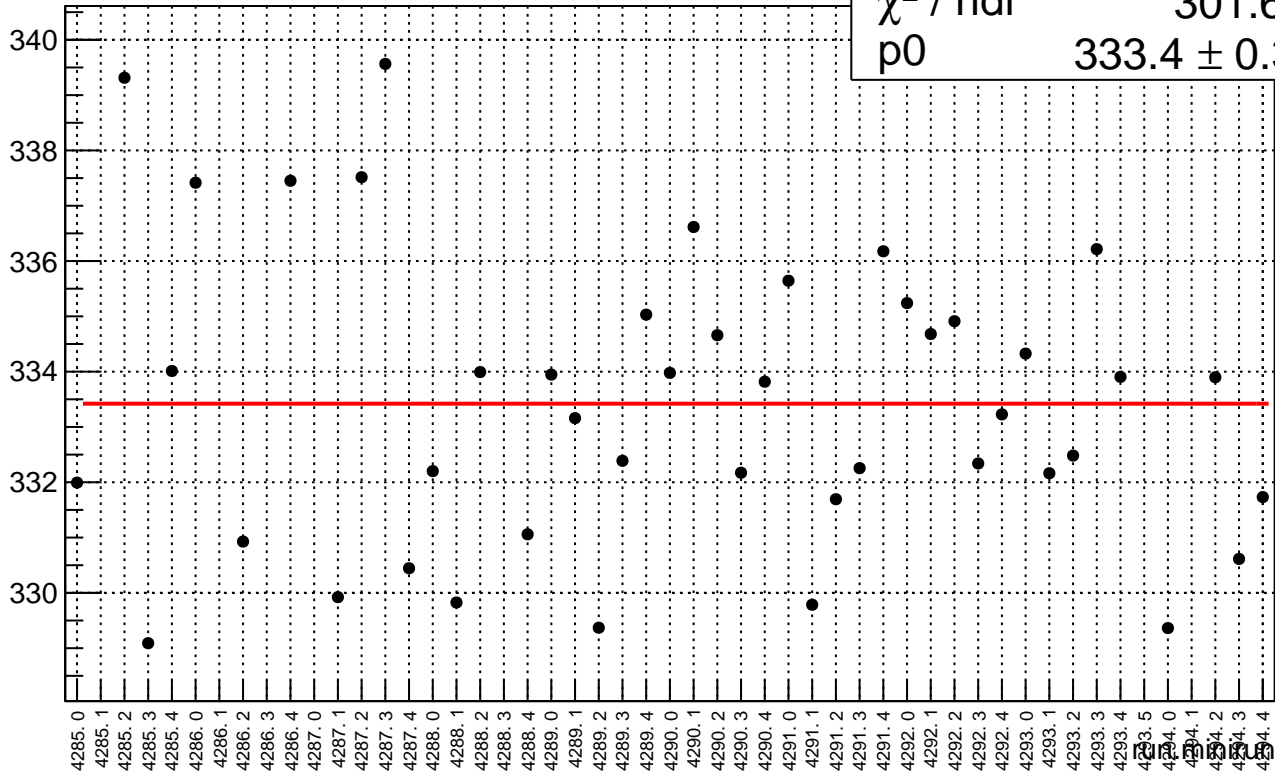
reg\_asym\_atr\_avg\_mean/ppm



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

reg\_asym\_atr\_avg\_rms/ppm

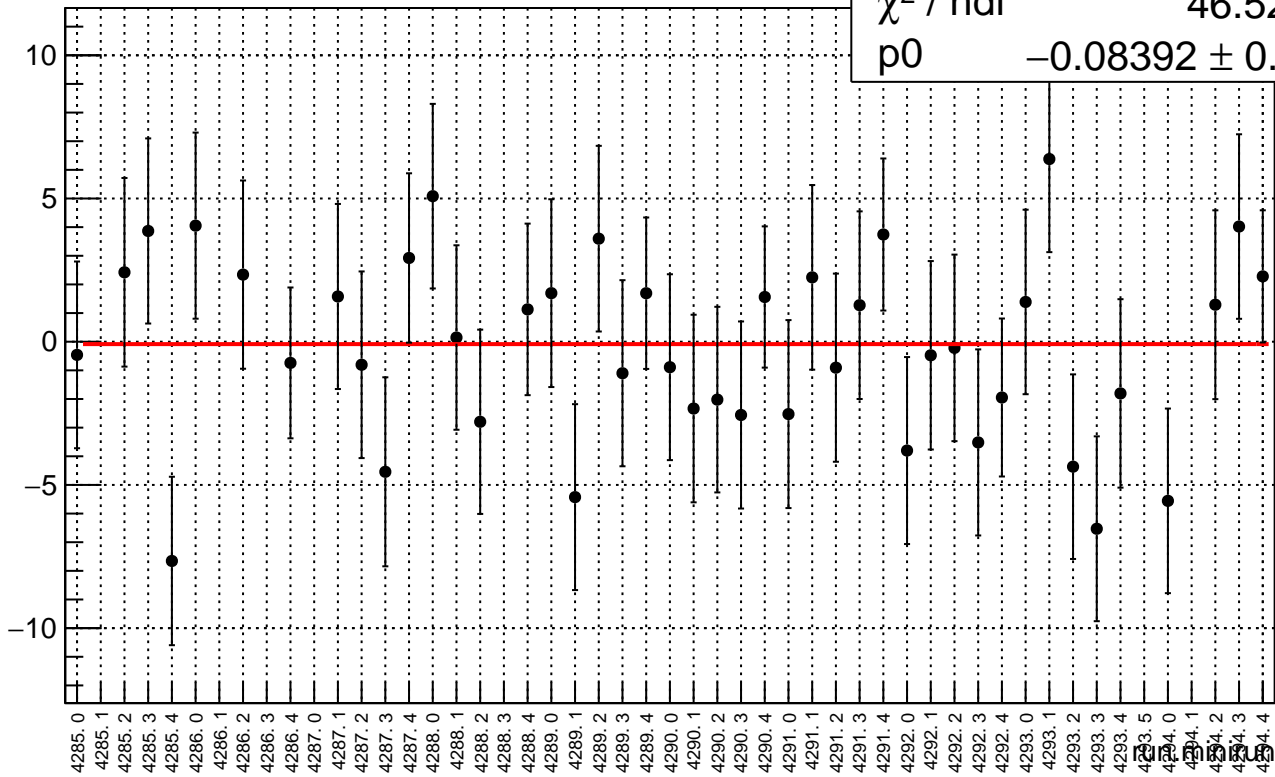
$\chi^2 / \text{ndf}$  301.6 / 43  
 p0  $333.4 \pm 0.3992$



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

$\chi^2 / \text{ndf}$  46.52 / 43  
 p0  $-0.08392 \pm 0.4682$

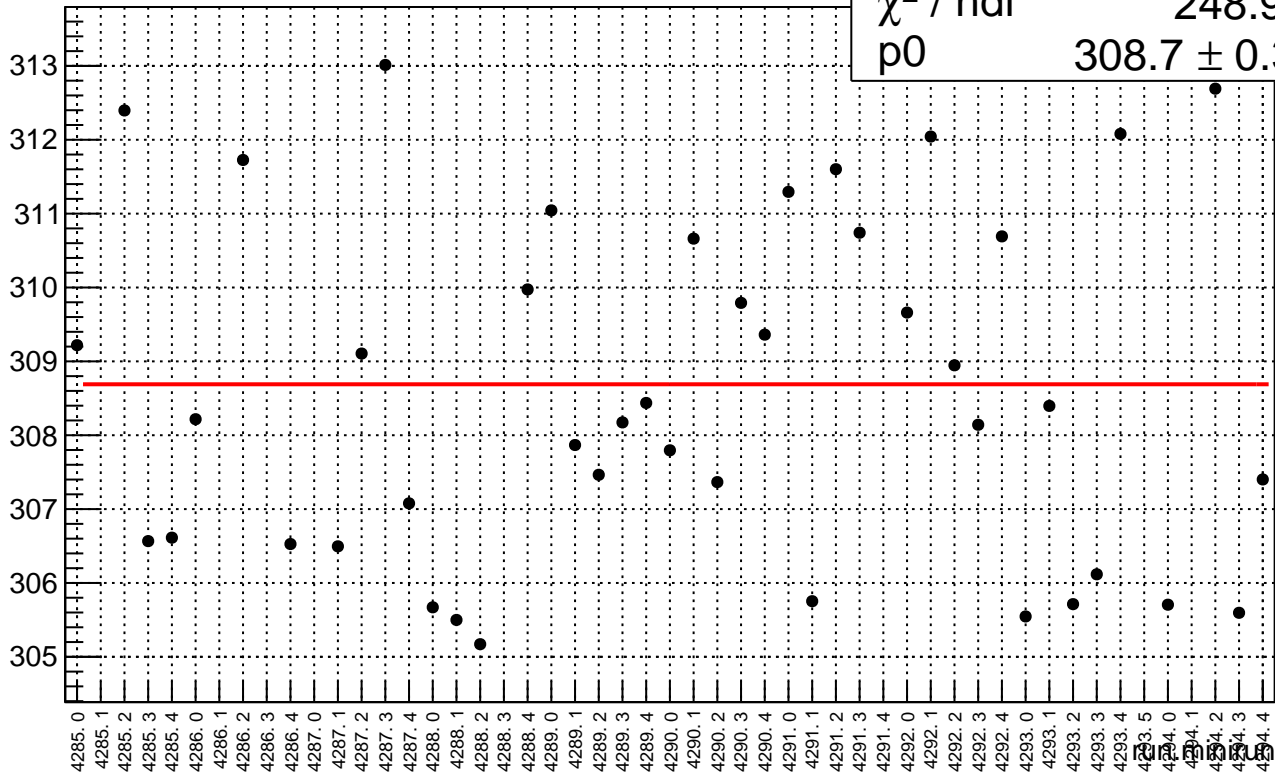
reg\_asym\_atr\_dd\_mean/ppm



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

reg\_asym\_atr\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  248.9 / 43  
 p0  $308.7 \pm 0.3627$

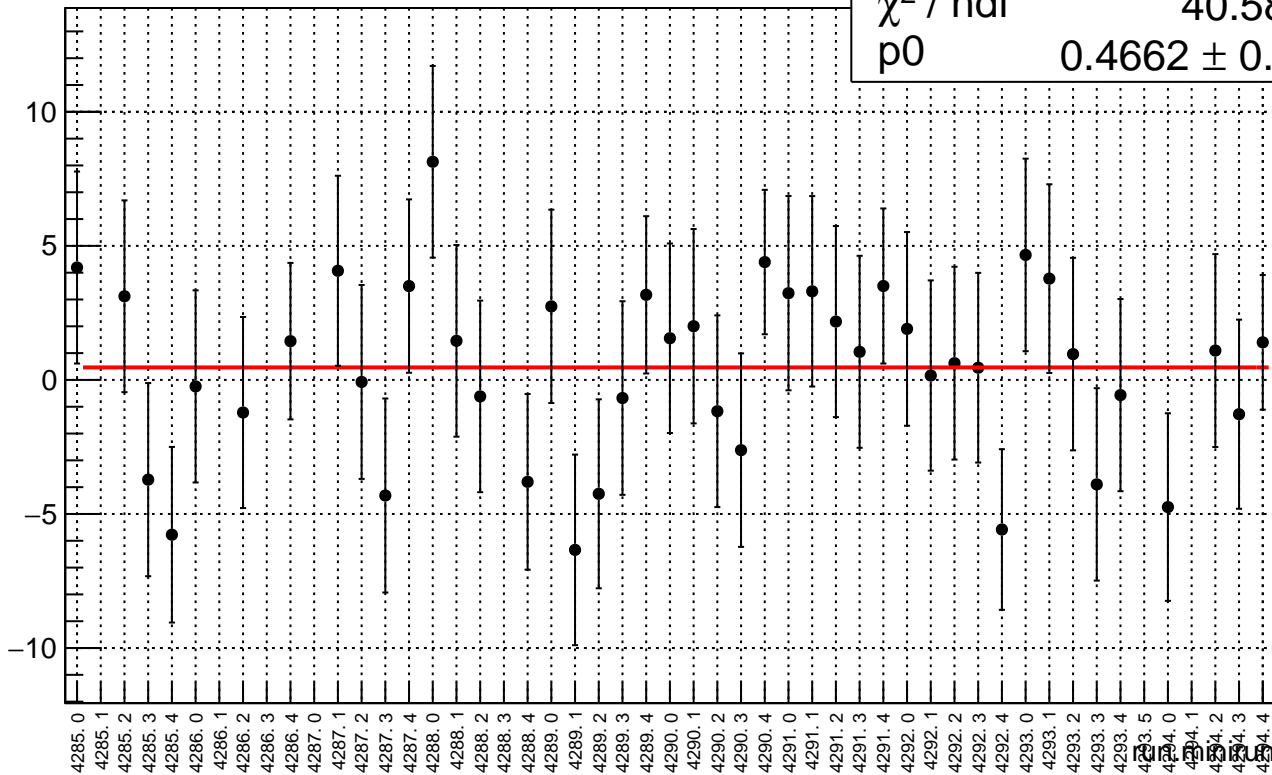




# reg\_asym\_at1\_avg\_mean/ppm

reg\_asym\_at1\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  40.58 / 43  
 p0  $0.4662 \pm 0.5143$

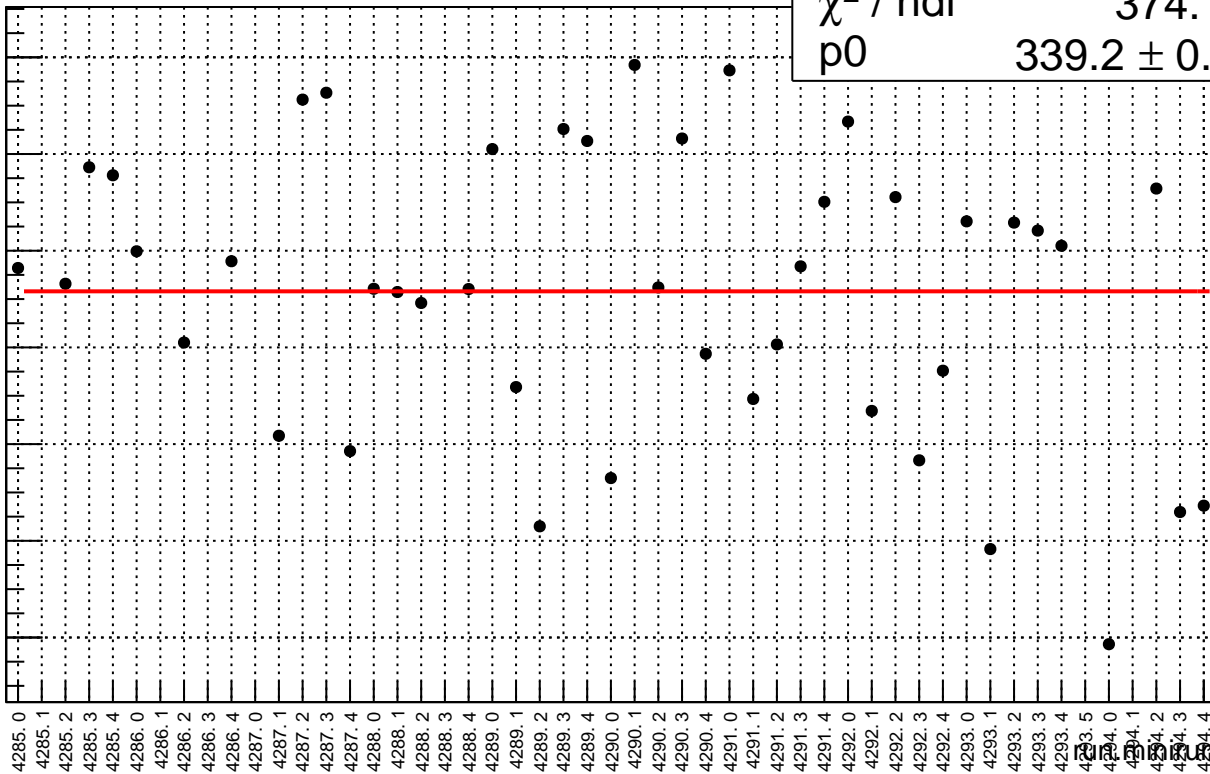


## reg\_asym\_at1\_avg\_rms/ppm

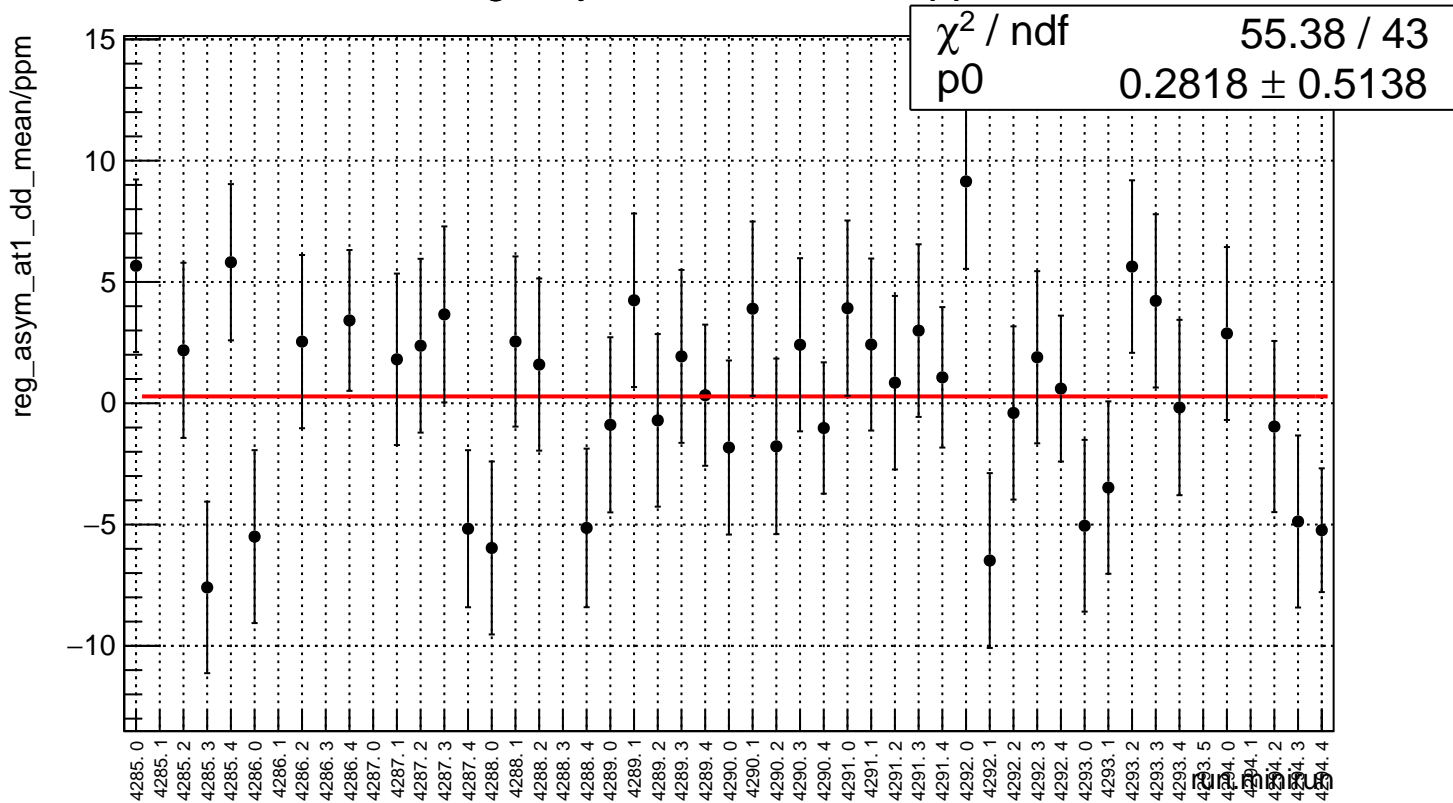
reg\_asym\_at1\_avg\_rms/ppm

344  
342  
340  
338  
336  
334  
332 $\chi^2 / \text{ndf}$   
p0

374.1 / 43

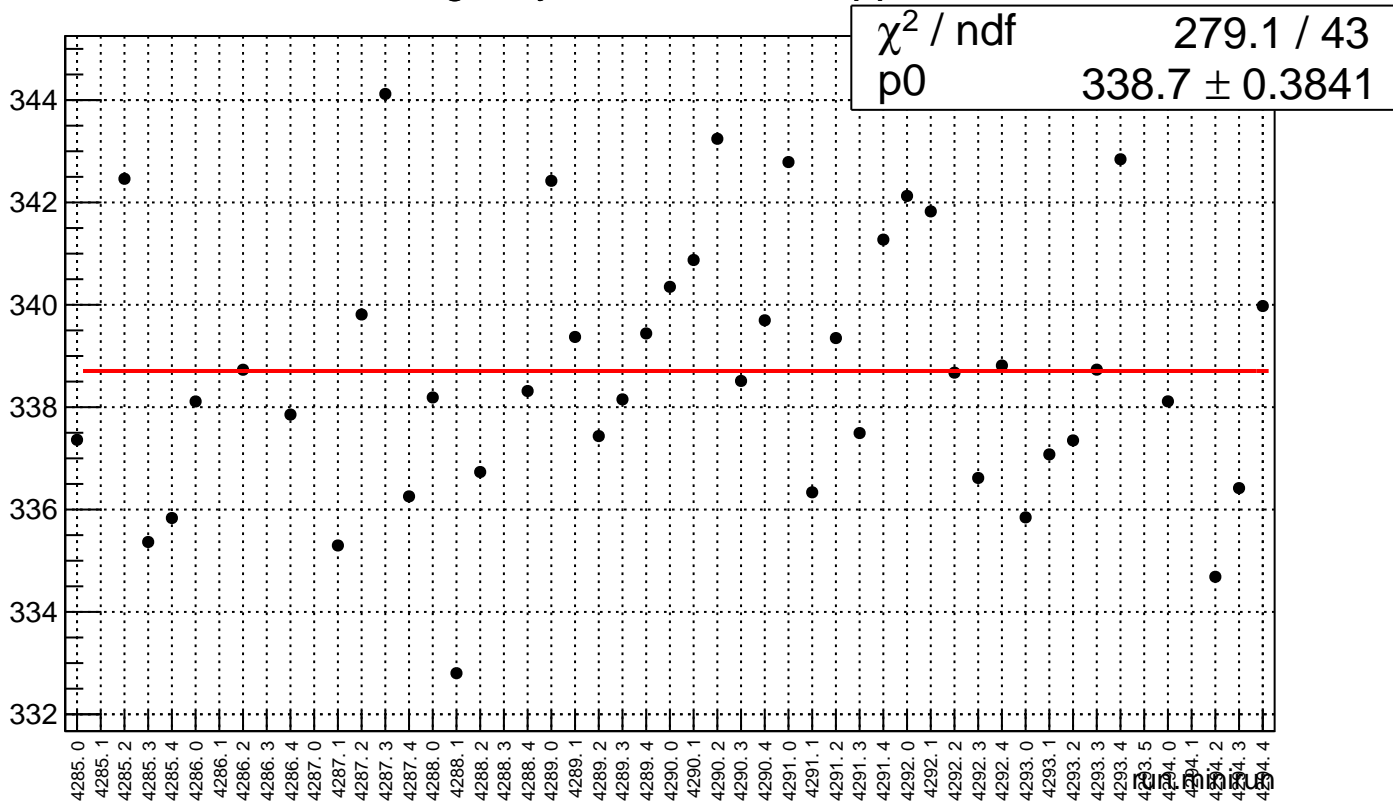
 $339.2 \pm 0.4447$ 

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



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

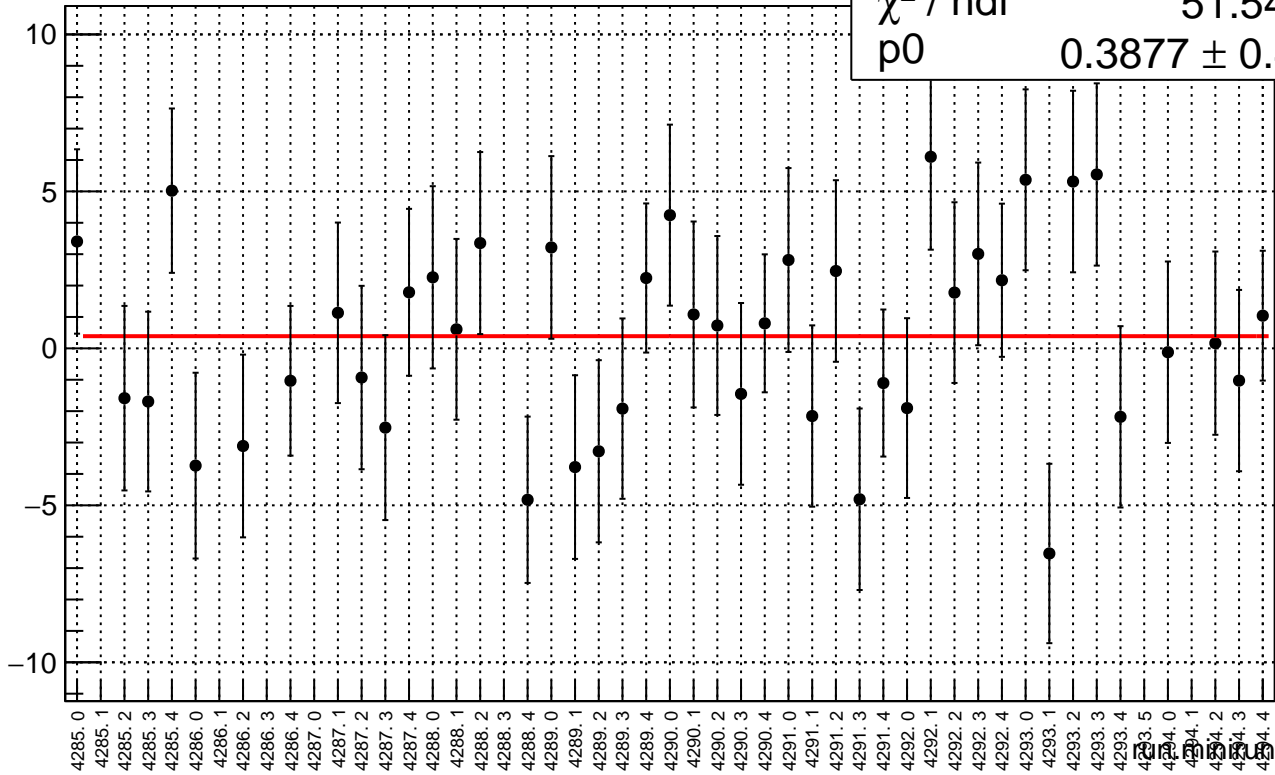
reg\_asym\_at1\_dd\_rms/ppm



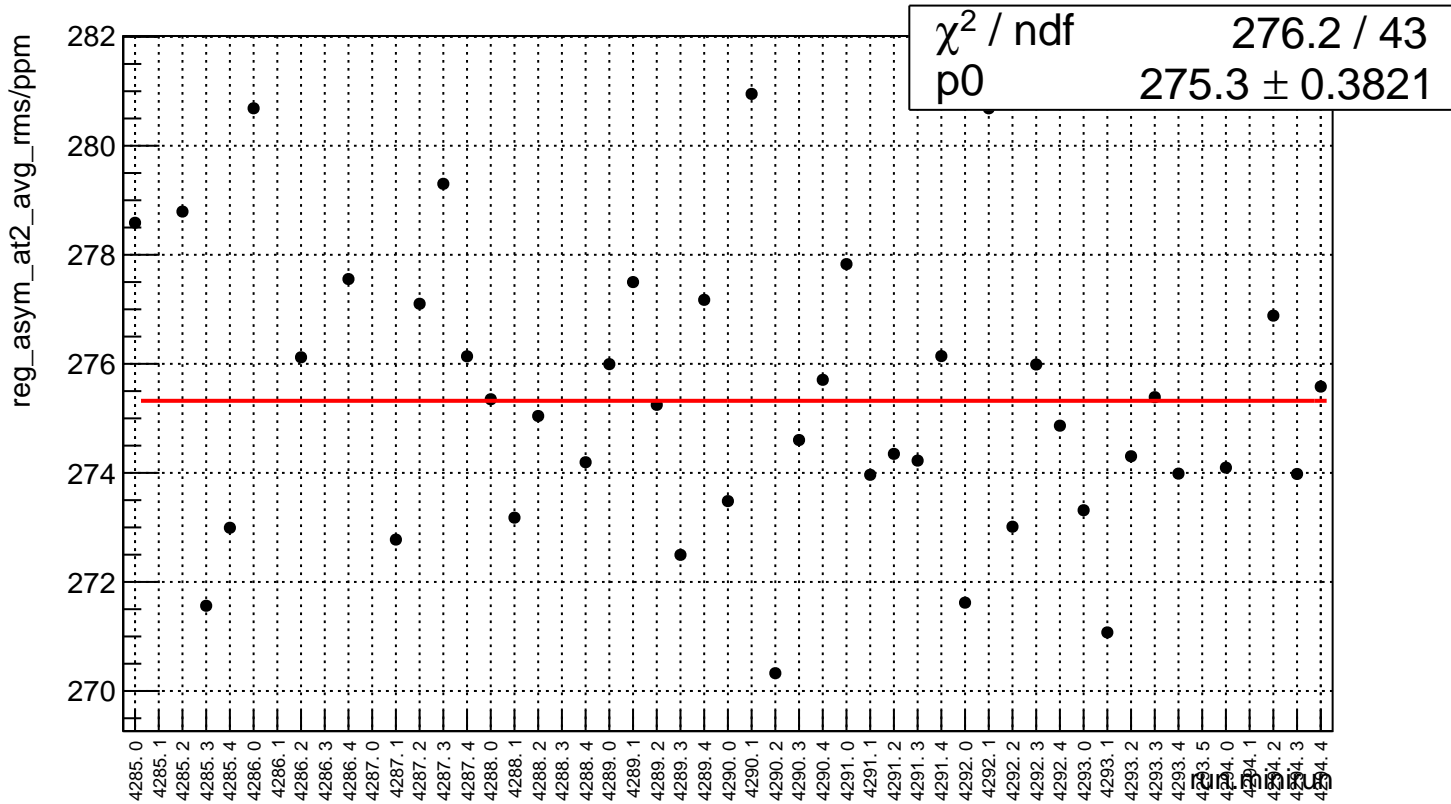
# reg\_asym\_at2\_avg\_mean/ppm

reg\_asym\_at2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  51.54 / 43  
 p0  $0.3877 \pm 0.4176$

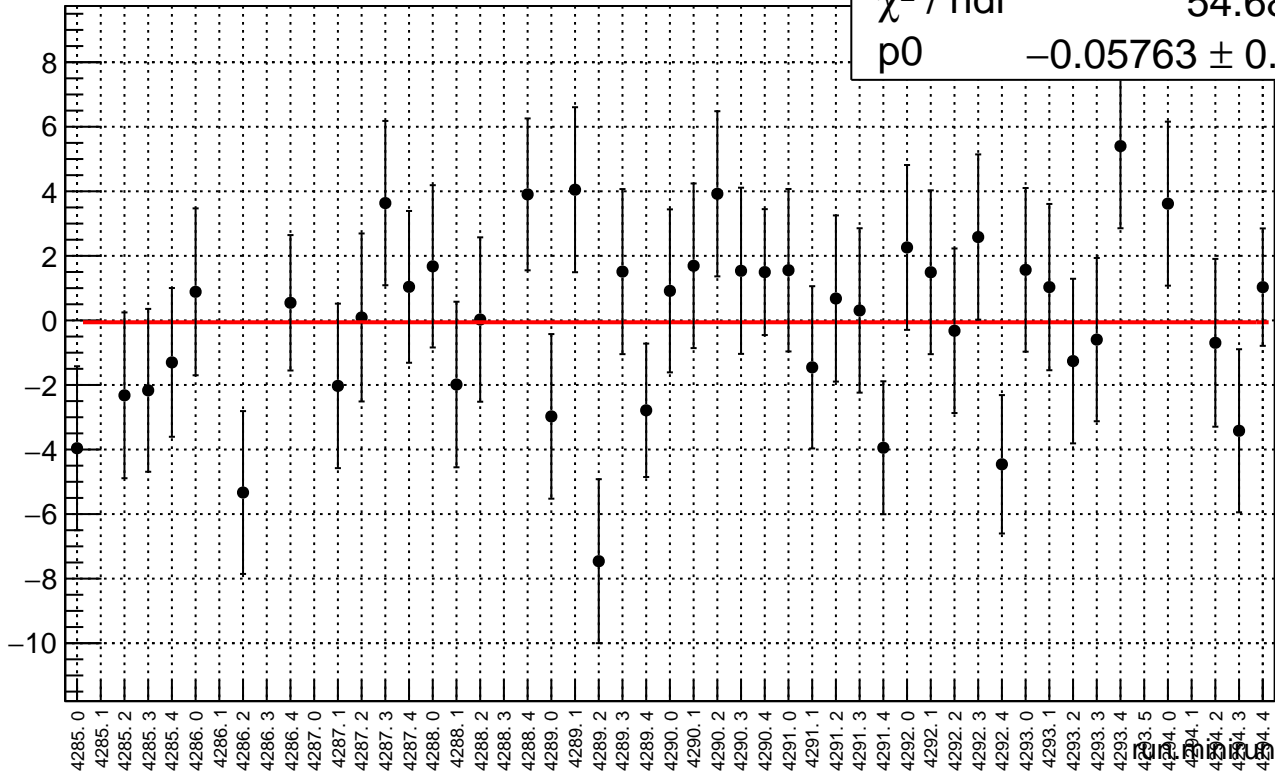


# reg\_asym\_at2\_avg\_rms/ppm



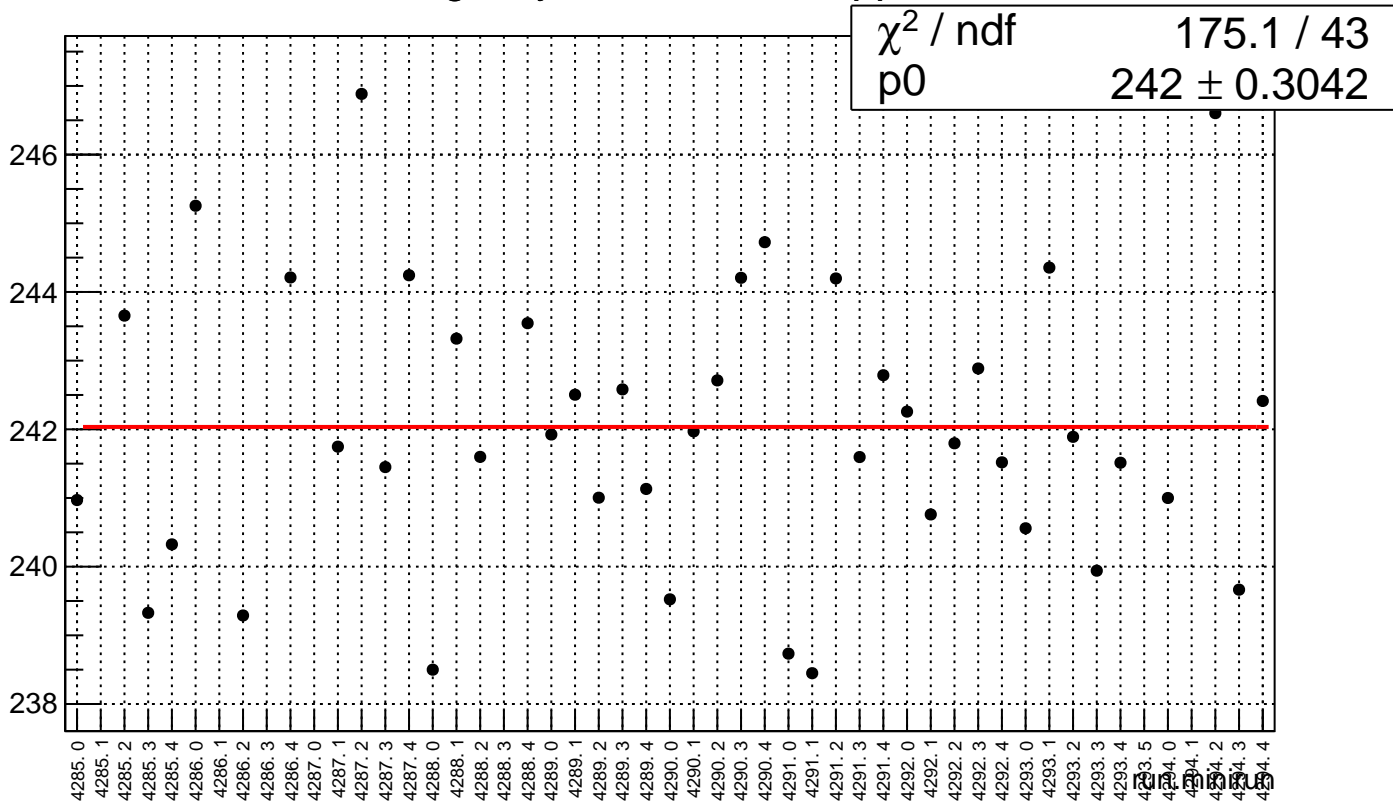
# reg\_asym\_at2\_dd\_mean/ppm

reg\_asym\_at2\_dd\_mean/ppm



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

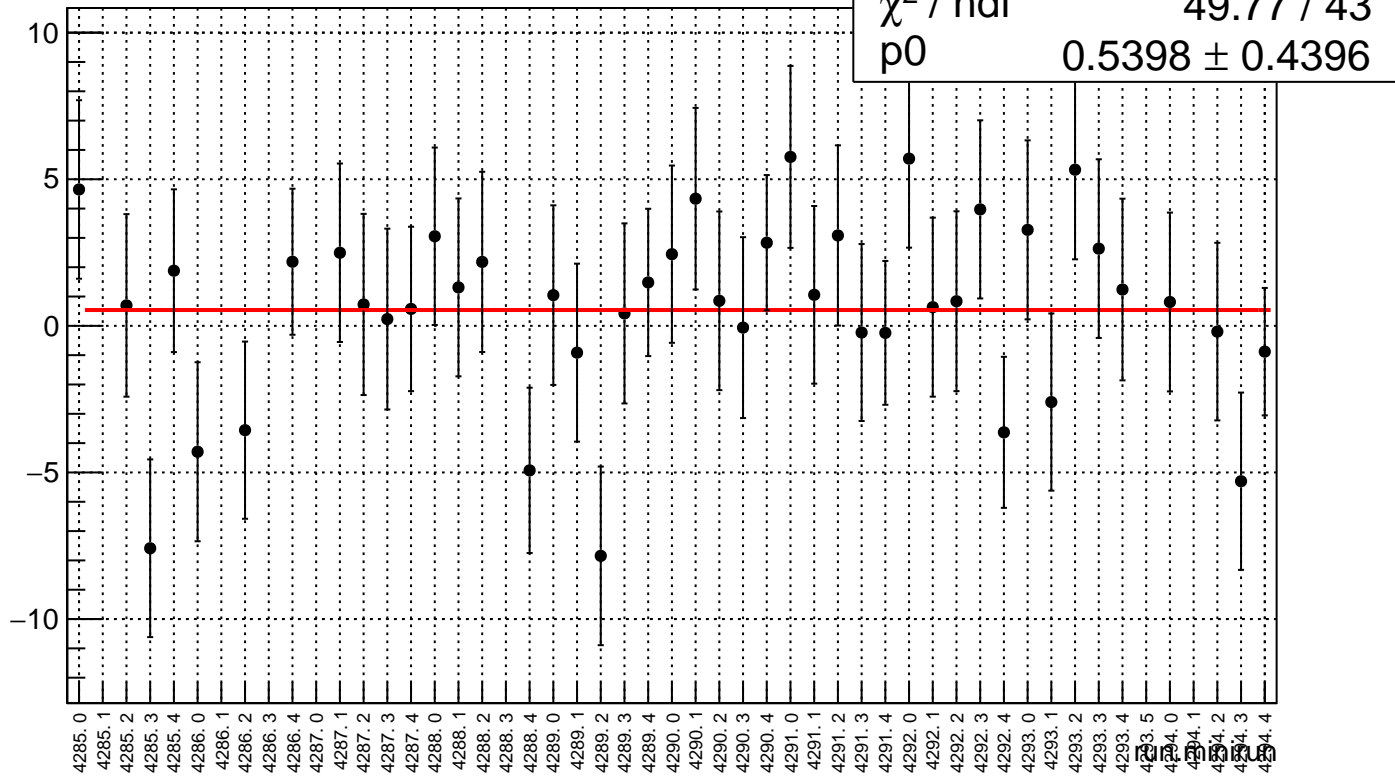
reg\_asym\_at2\_dd\_rms/ppm



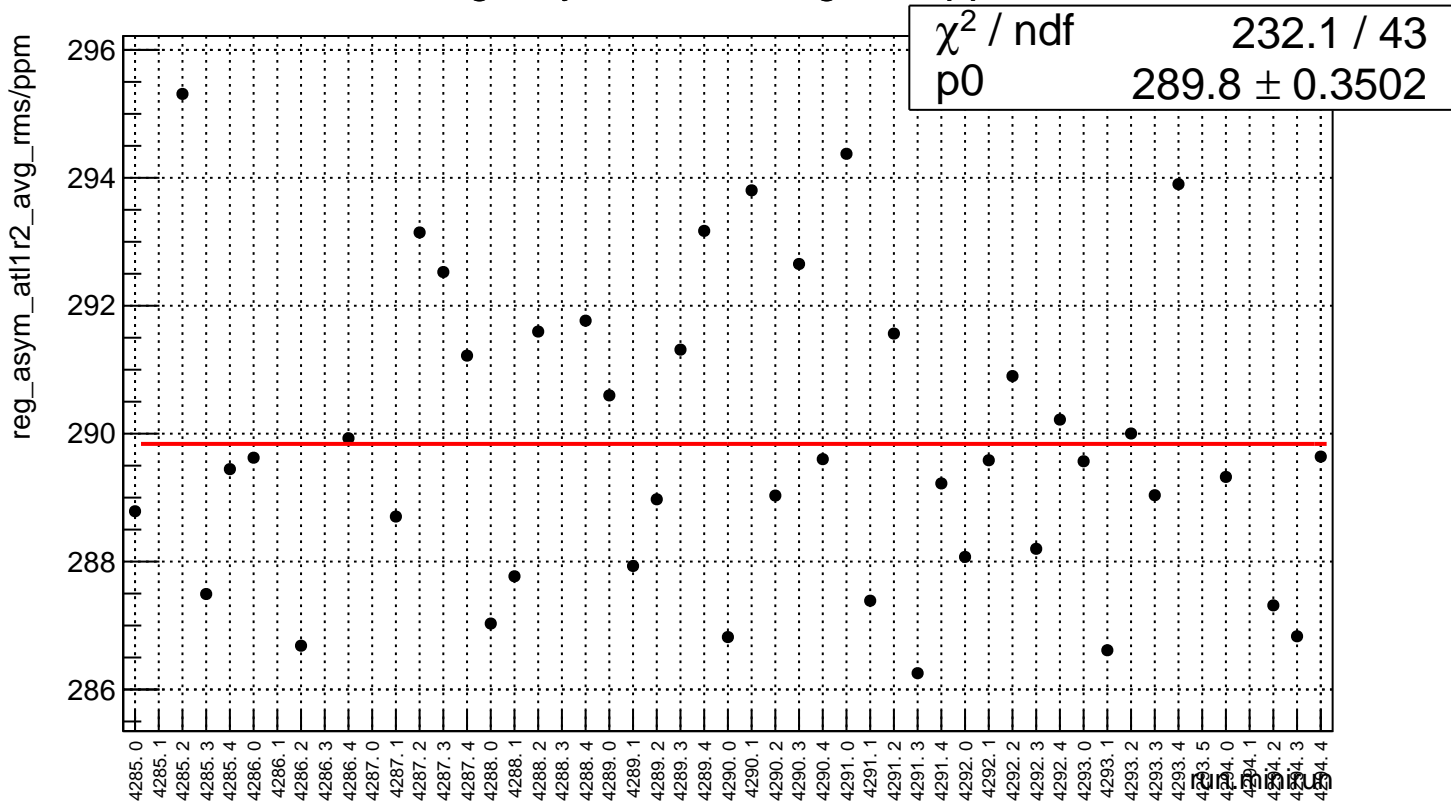


# reg\_asym\_atl1r2\_avg\_mean/ppm

reg\_asym\_atl1r2\_avg\_mean/ppm

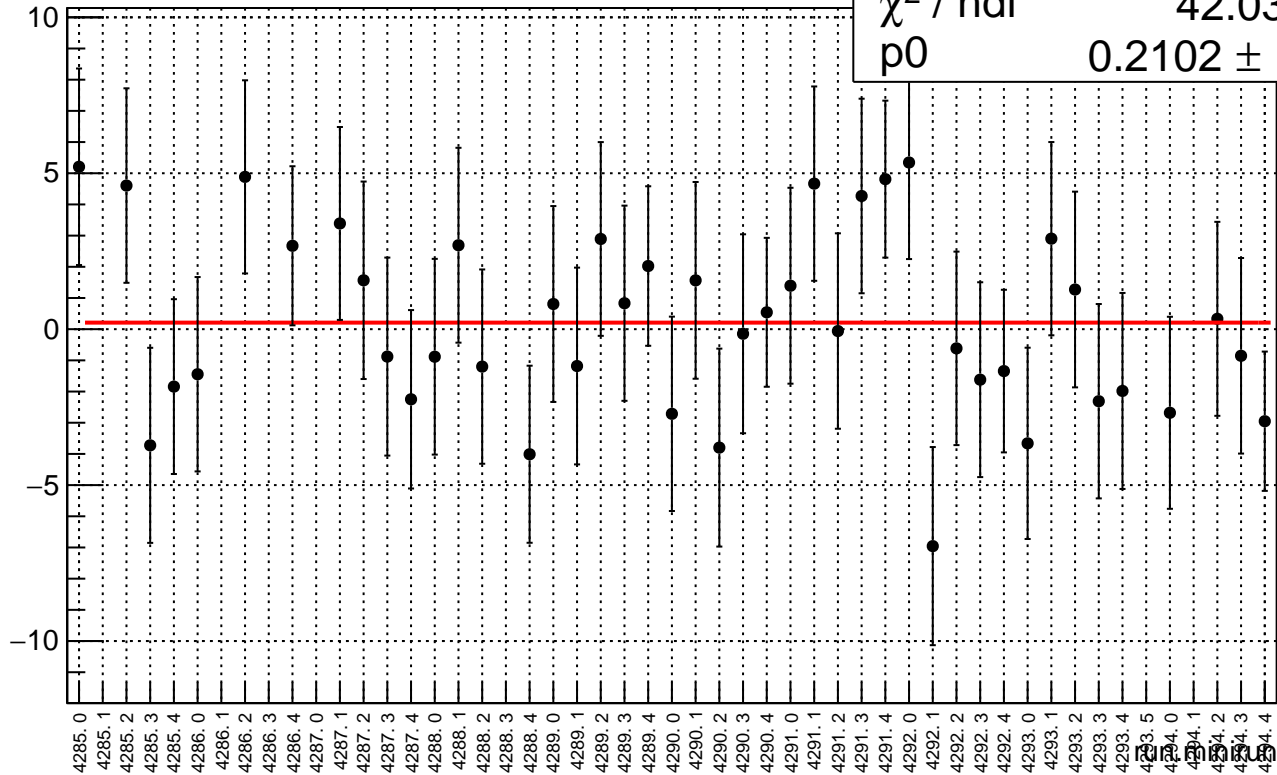


## reg\_asym\_atl1r2\_avg\_rms/ppm



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

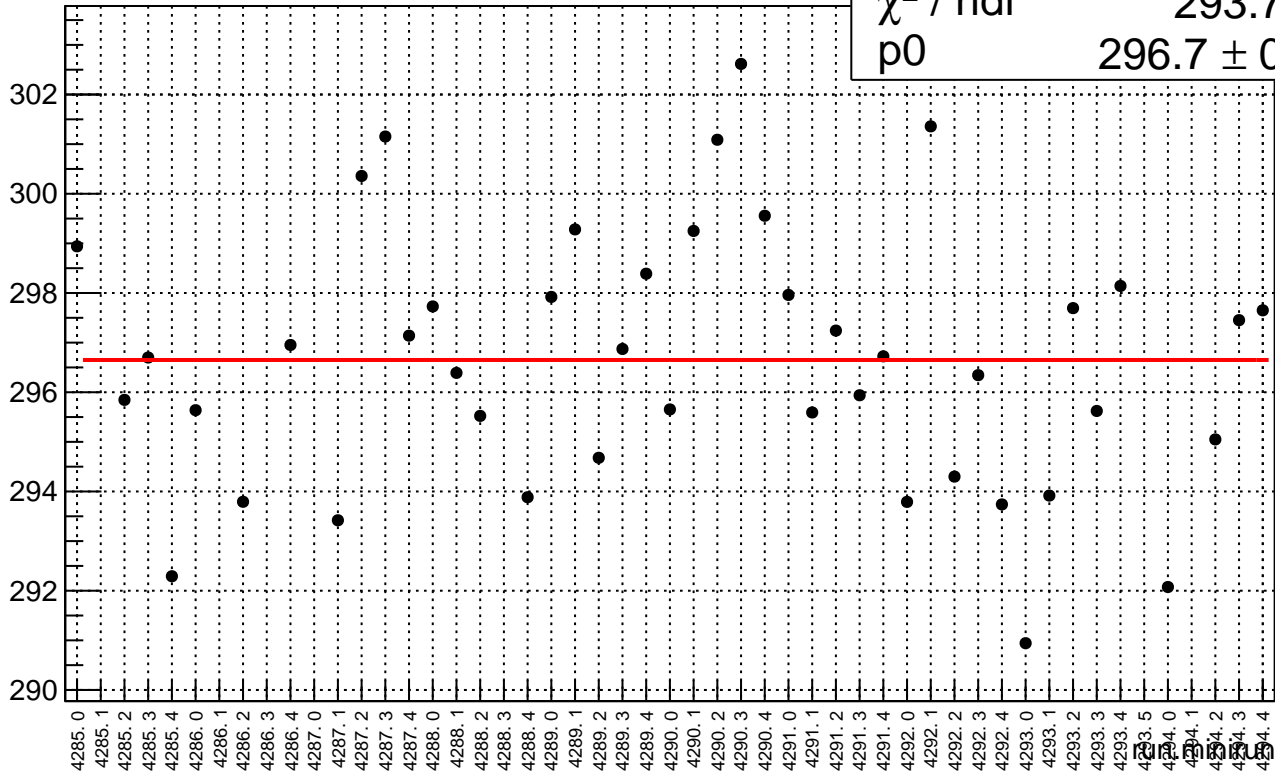
reg\_asym\_atl1r2\_dd\_mean/ppm



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

$\chi^2 / \text{ndf}$  293.7 / 43  
 p0  $296.7 \pm 0.394$

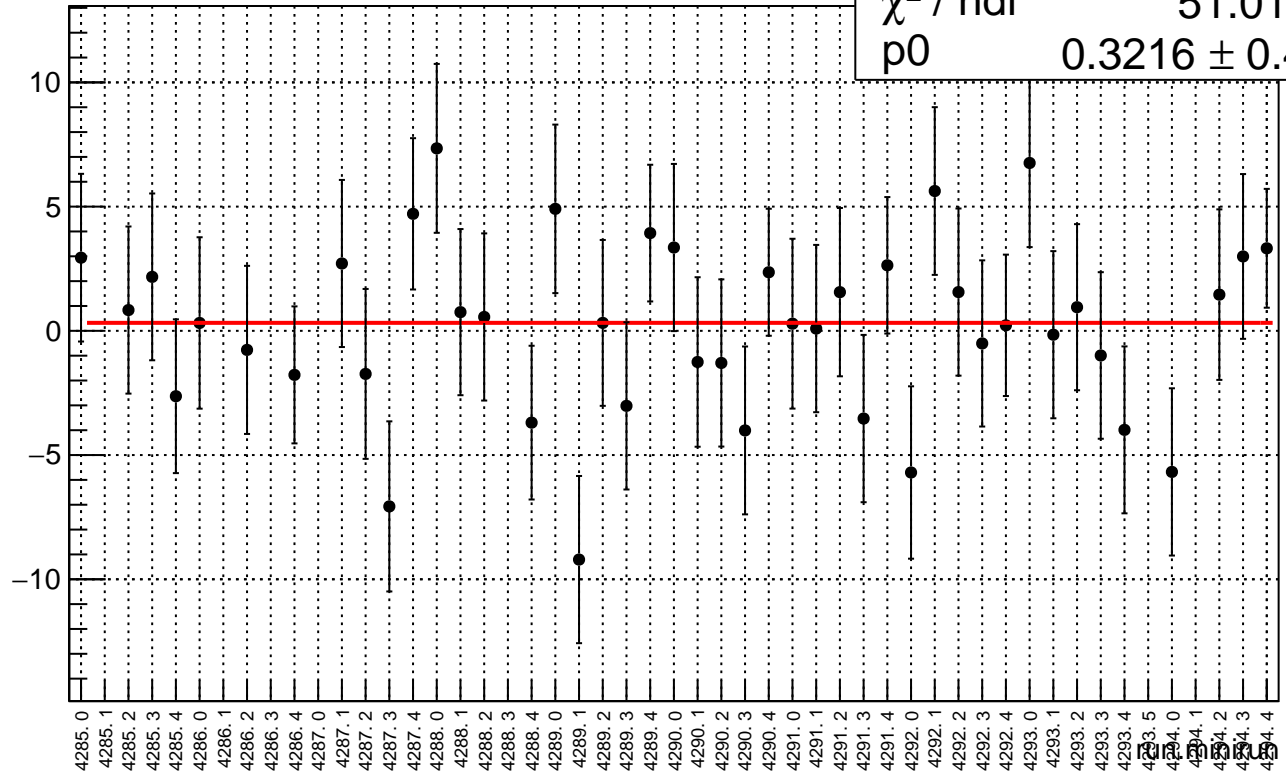
reg\_asym\_atl1r2\_dd\_rms/ppm



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

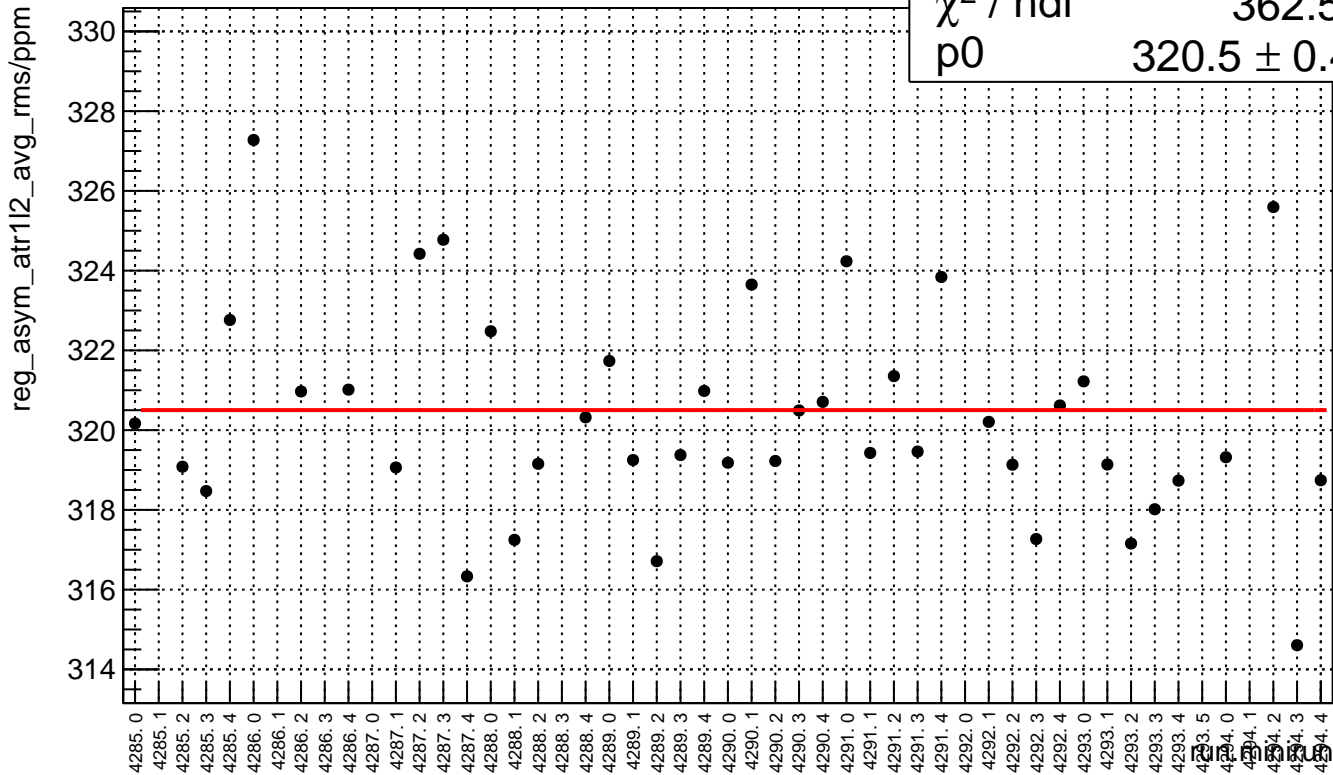
$\chi^2 / \text{ndf}$  51.01 / 43  
 p0 0.3216 ± 0.4861

reg\_asym\_atr1l2\_avg\_mean/ppm



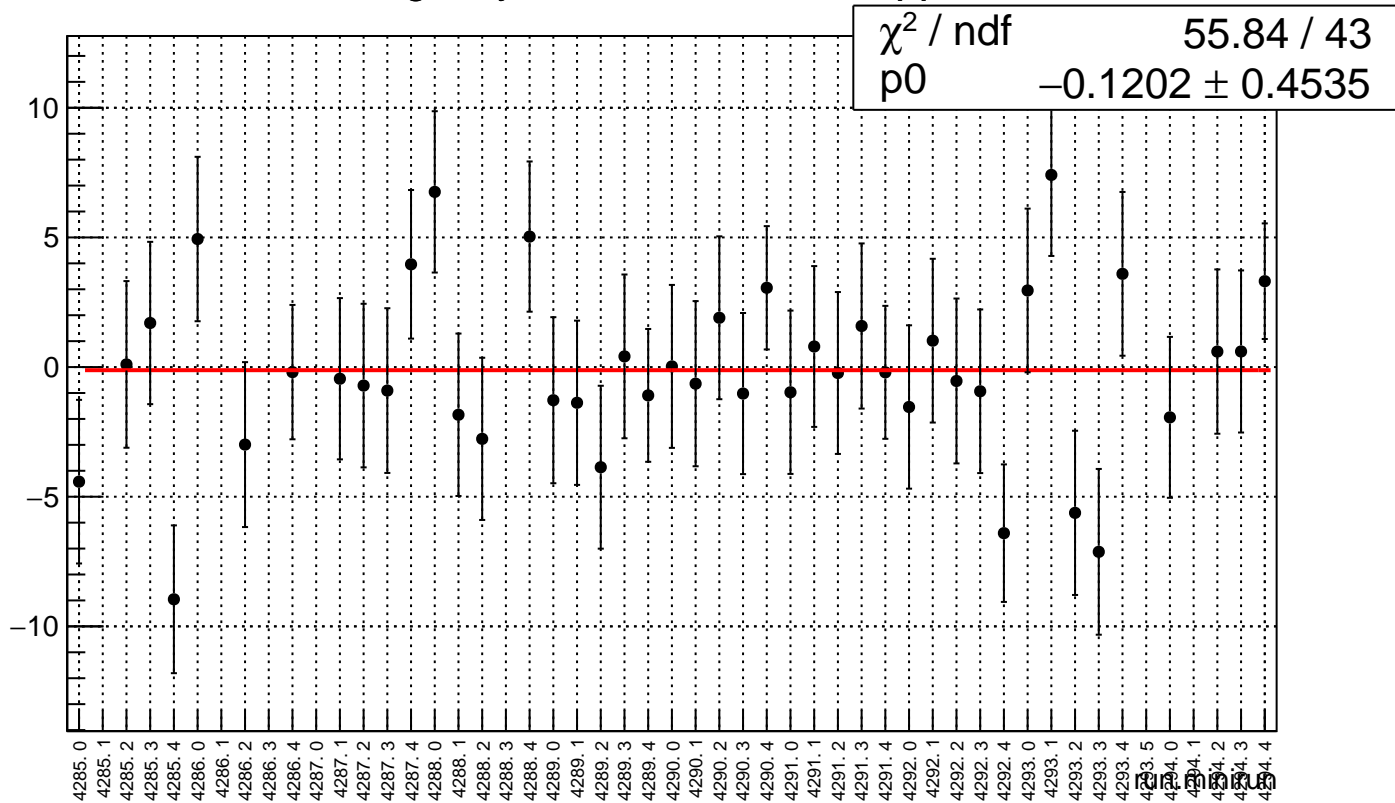
# reg\_asym\_atr1l2\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  362.5 / 43  
 p0 320.5 ± 0.4377



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

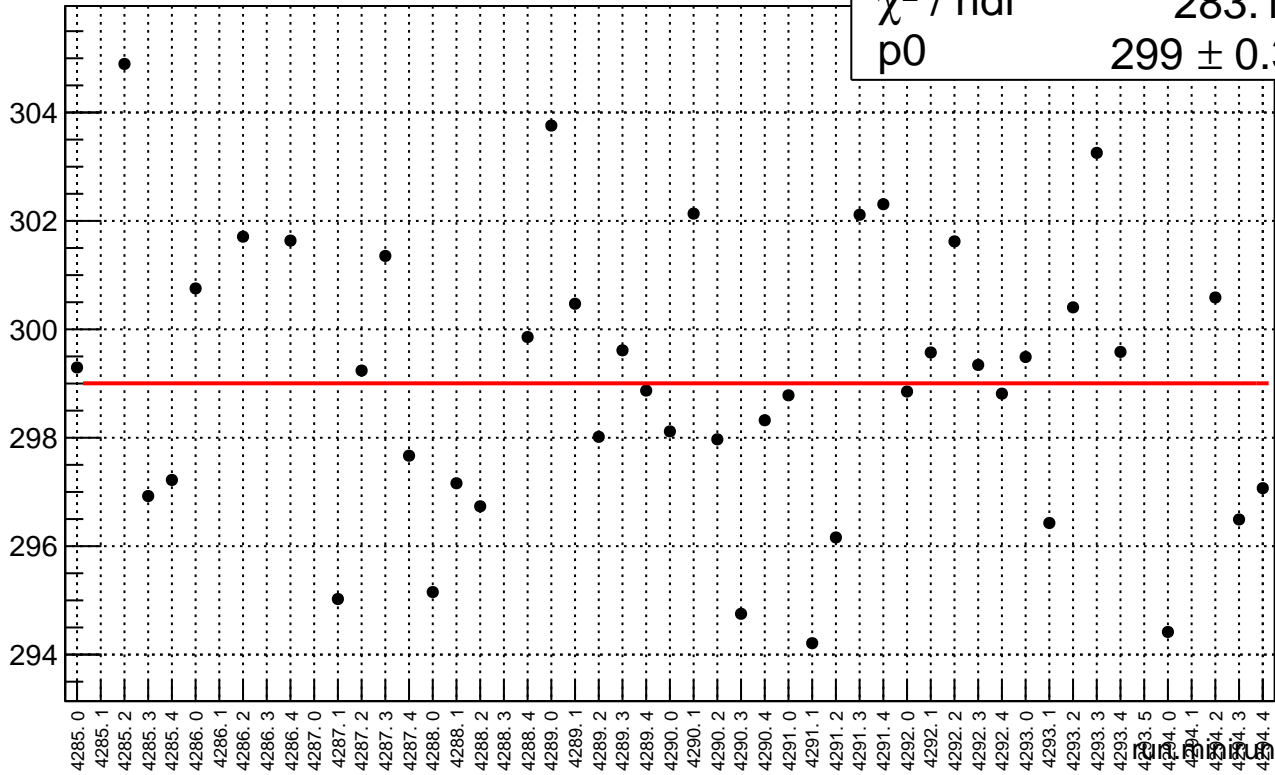
reg\_asym\_atr1l2\_dd\_mean/ppm



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

reg\_asym\_atr1l2\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  283.1 / 43  
 p0  $299 \pm 0.3868$

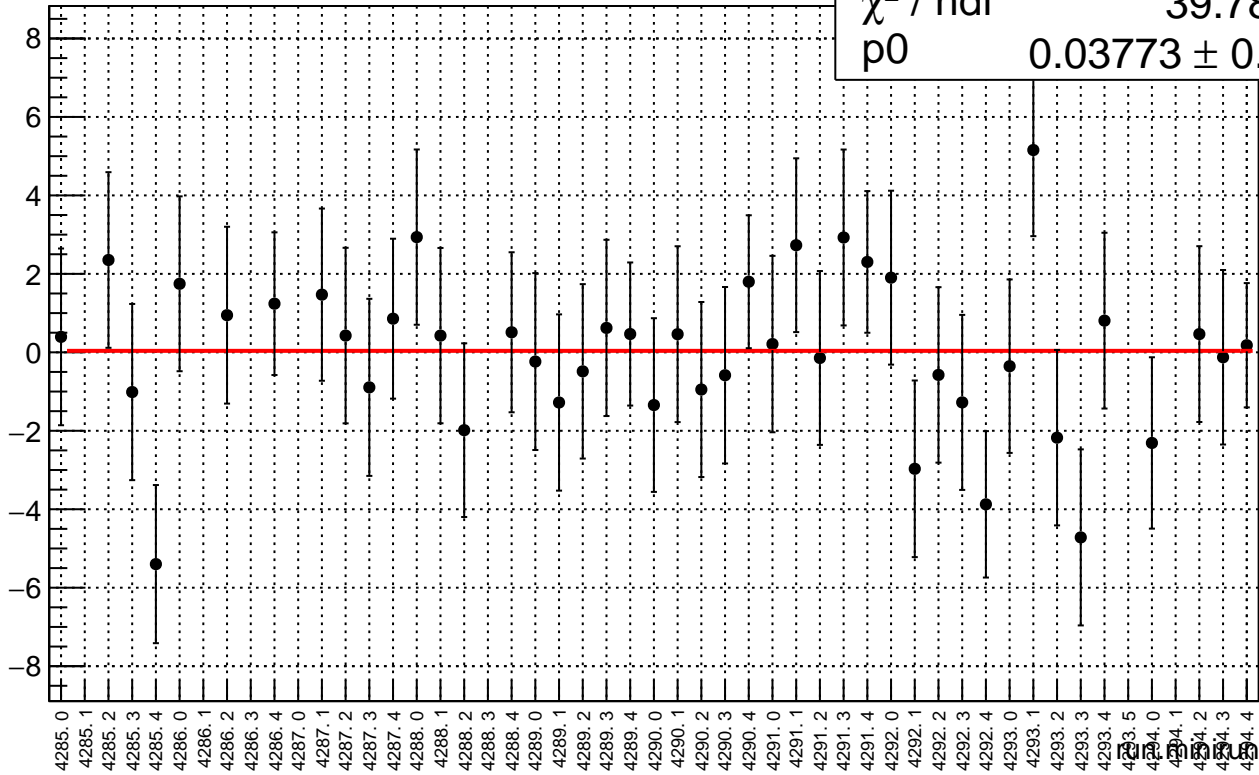




# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

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

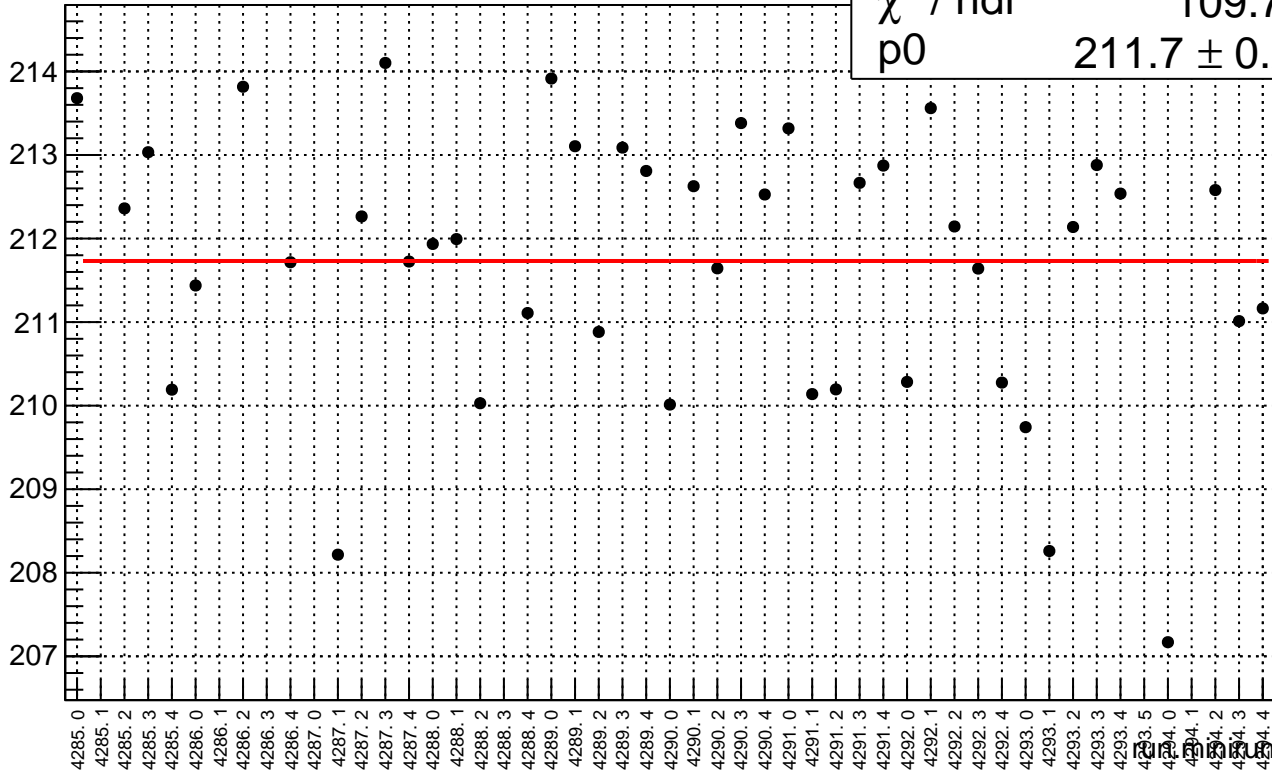
$\chi^2 / \text{ndf}$  39.78 / 43  
 p0 0.03773 ± 0.3211



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

$\chi^2 / \text{ndf}$  109.7 / 43  
 p0  $211.7 \pm 0.2408$

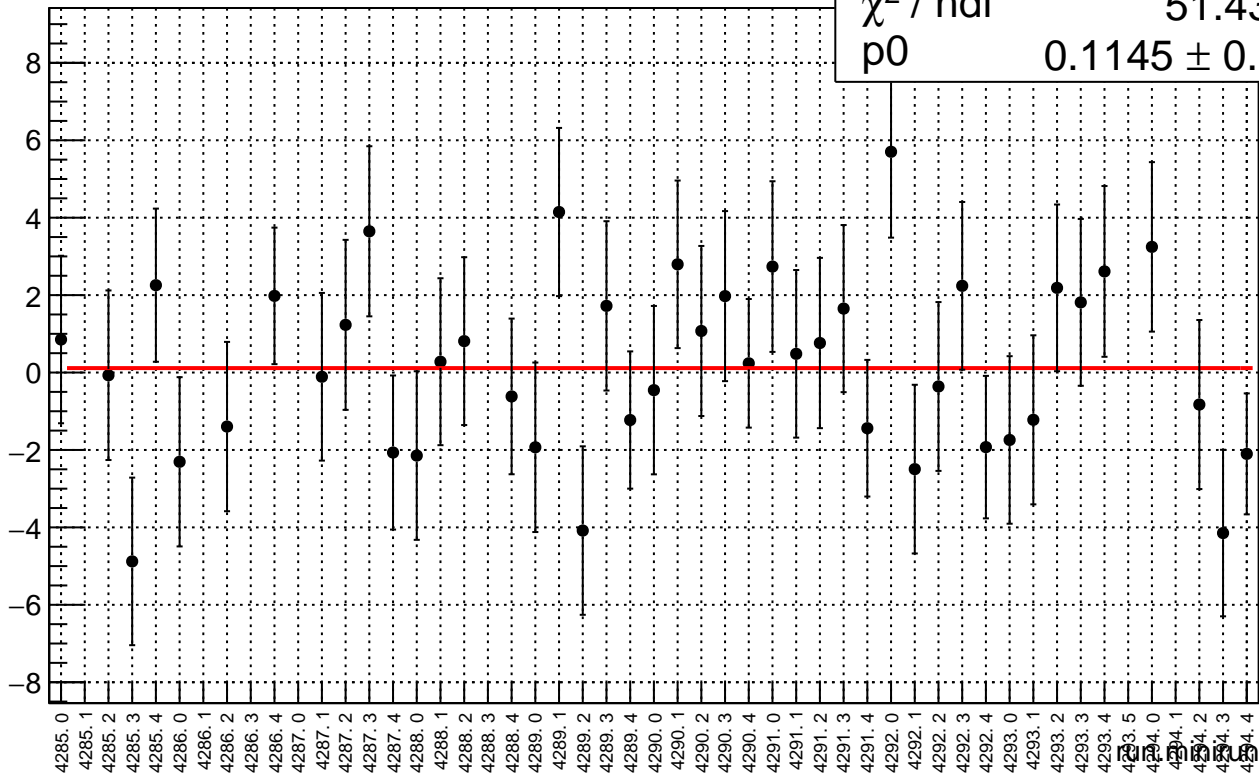
reg\_asym\_atl\_dd\_atr\_dd\_avg\_rms/ppm



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

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

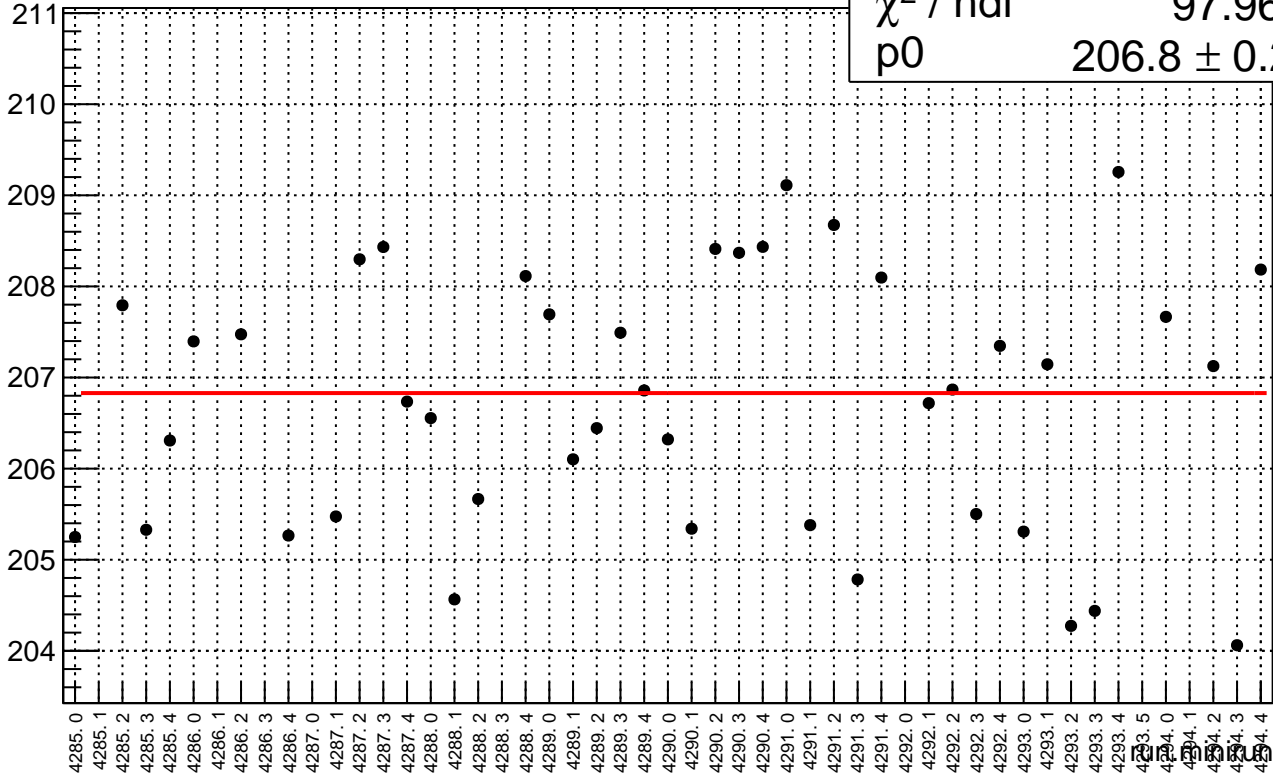
$\chi^2 / \text{ndf}$  51.43 / 43  
 p0  $0.1145 \pm 0.3138$



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

$\chi^2 / \text{ndf}$  97.96 / 43  
 p0 206.8 ± 0.2275

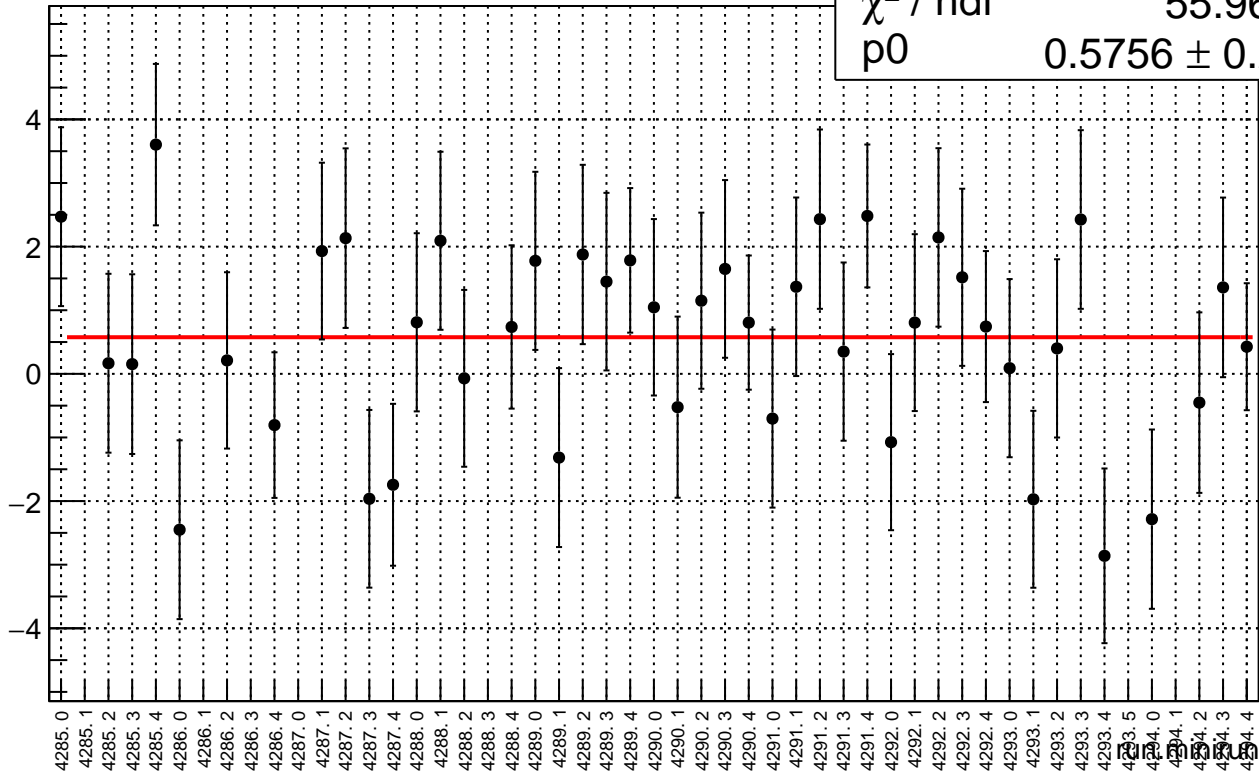
reg\_asym\_atl\_dd\_atr\_dd\_dd\_rms/ppm



# reg\_asym\_usl\_mean/ppm

reg\_asym\_usl\_mean/ppm

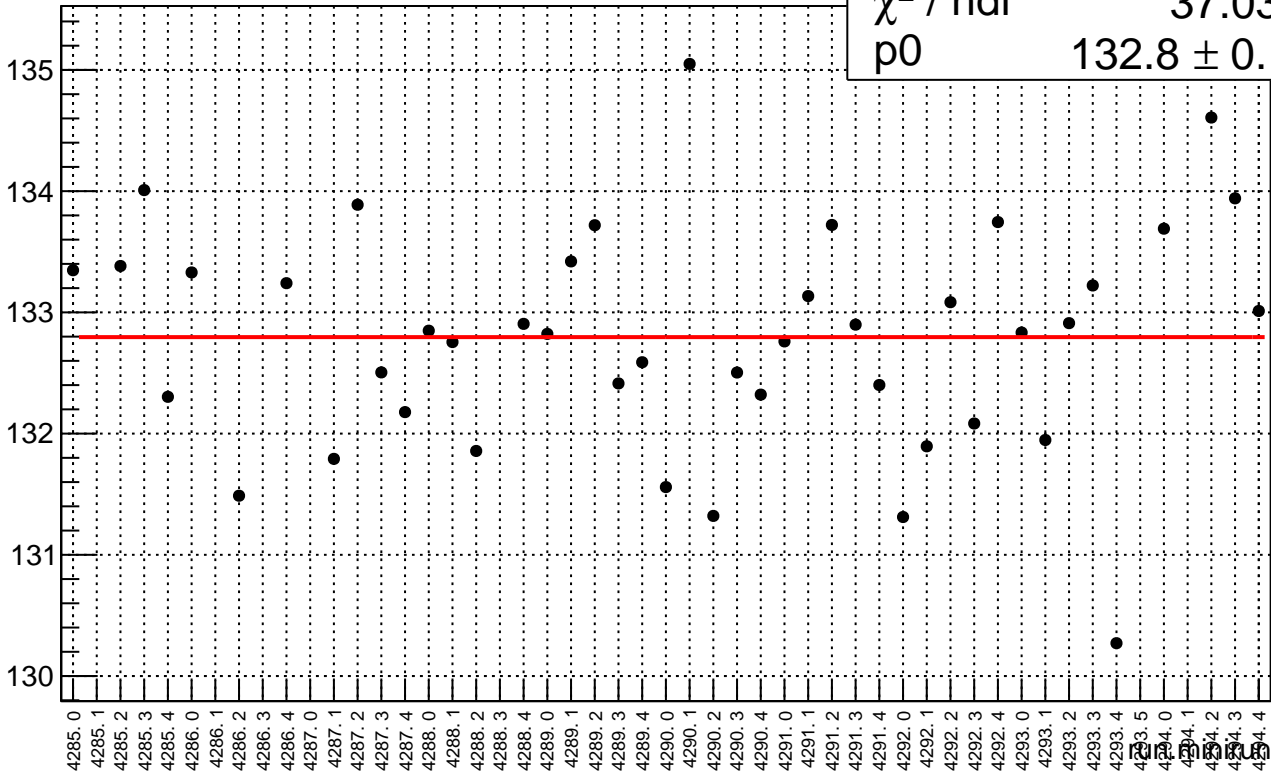
$\chi^2 / \text{ndf}$  55.96 / 43  
 $p_0$   $0.5756 \pm 0.2014$



# reg\_asym\_usl\_rms/ppm

reg\_asym\_usl\_rms/ppm

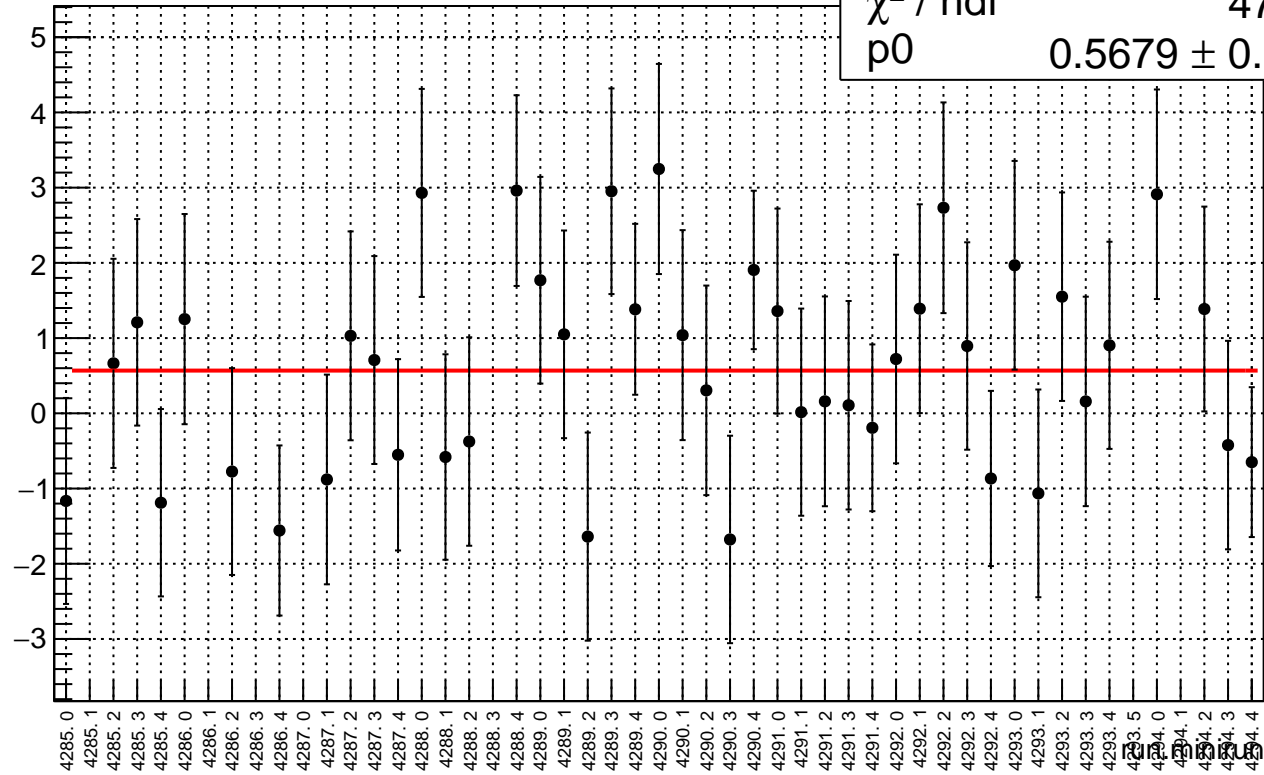
$\chi^2 / \text{ndf}$  37.03 / 43  
 p0  $132.8 \pm 0.1399$



# reg\_asym\_usr\_mean/ppm

reg\_asym\_usr\_mean/ppm

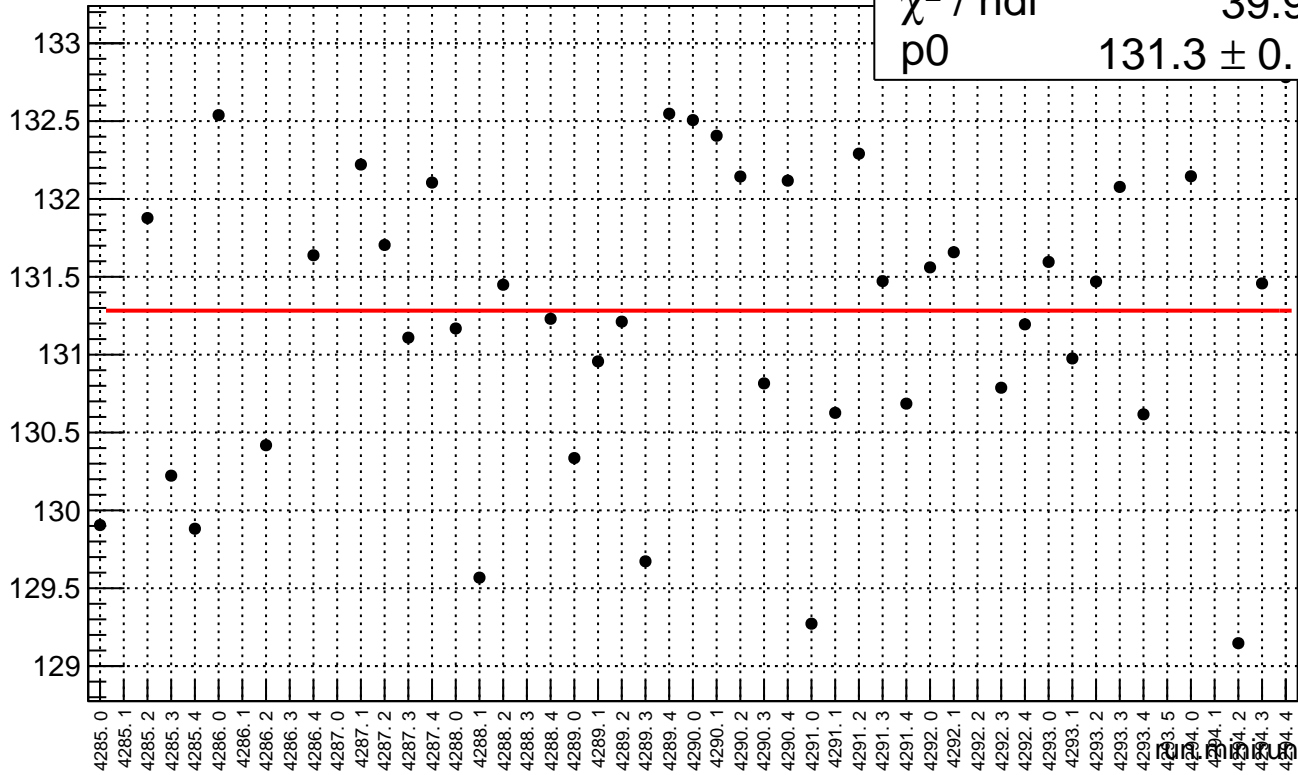
$\chi^2 / \text{ndf}$  47 / 43  
 p0  $0.5679 \pm 0.1992$



# reg\_asym\_usr\_rms/ppm

reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  39.9 / 43  
 p0 131.3 ± 0.1452

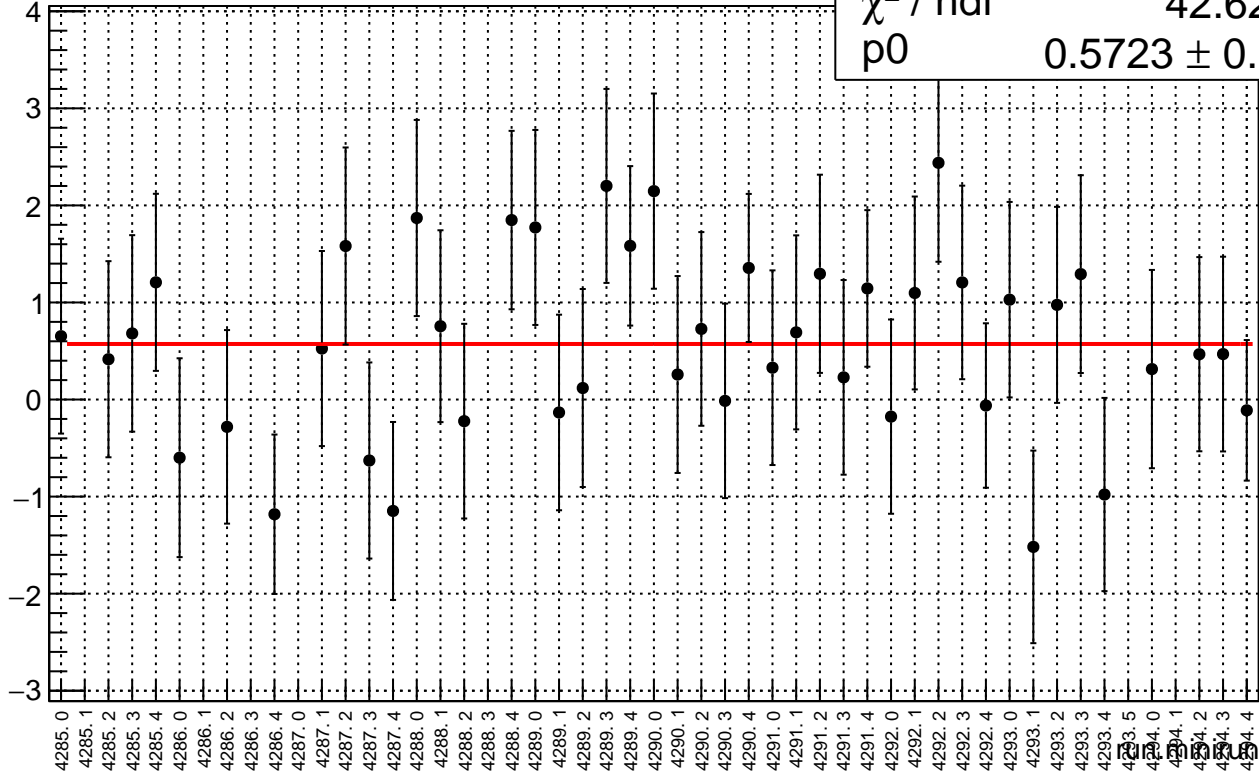




# reg\_asym\_us\_avg\_mean/ppm

reg\_asym\_us\_avg\_mean/ppm

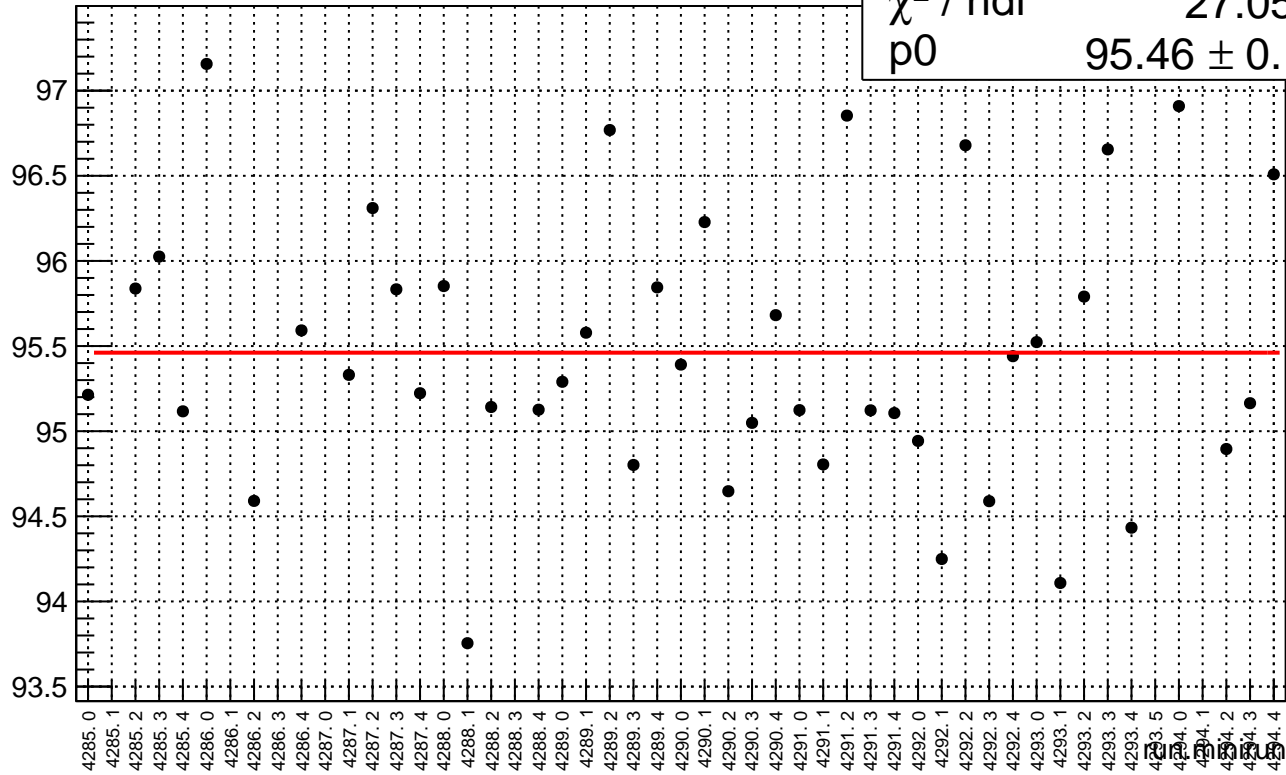
$\chi^2 / \text{ndf}$  42.62 / 43  
 p0  $0.5723 \pm 0.1448$



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

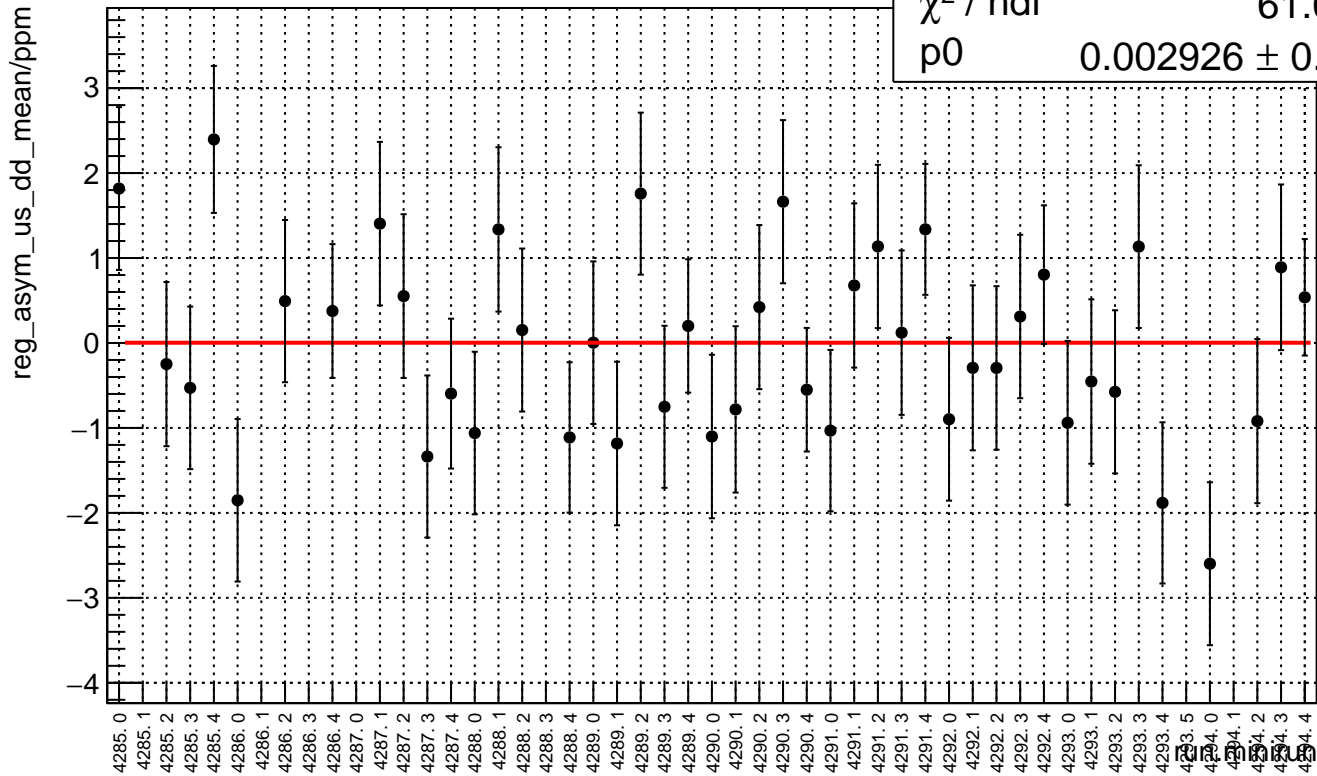
reg\_asym\_us\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  27.05 / 43  
p0  $95.46 \pm 0.1196$



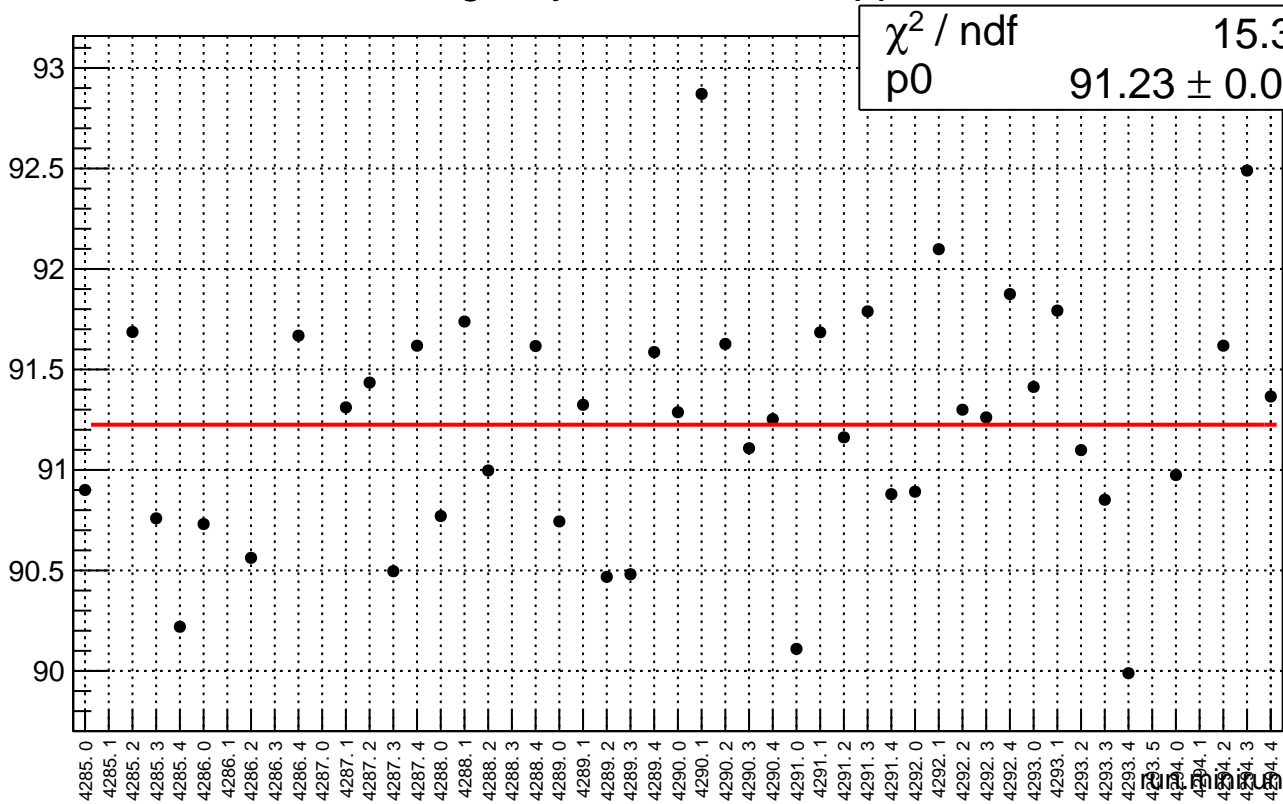
# reg\_asym\_us\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  61.6 / 43  
 p0 0.002926 ± 0.1384



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

reg\_asym\_us\_dd\_rms/ppm



$\chi^2 / \text{ndf}$  15.3 / 43  
 $p_0$  91.23  $\pm$  0.08993