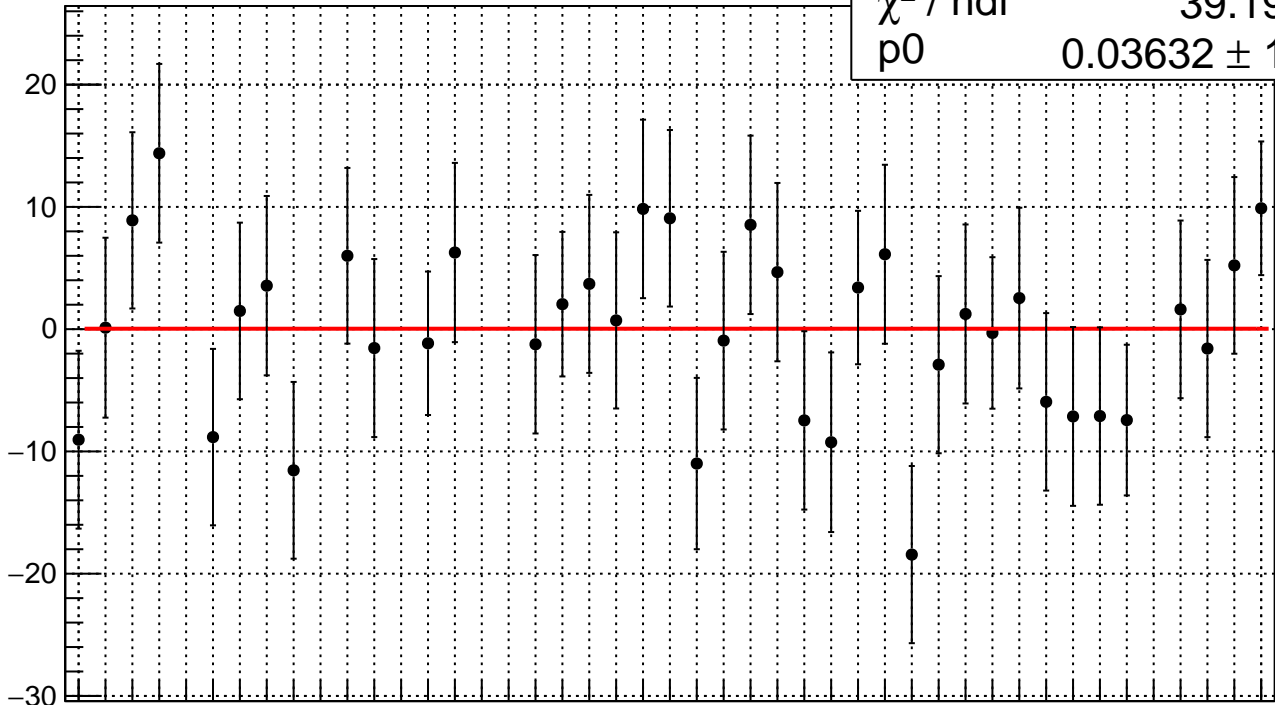


reg\_asym\_atl1\_mean/ppm

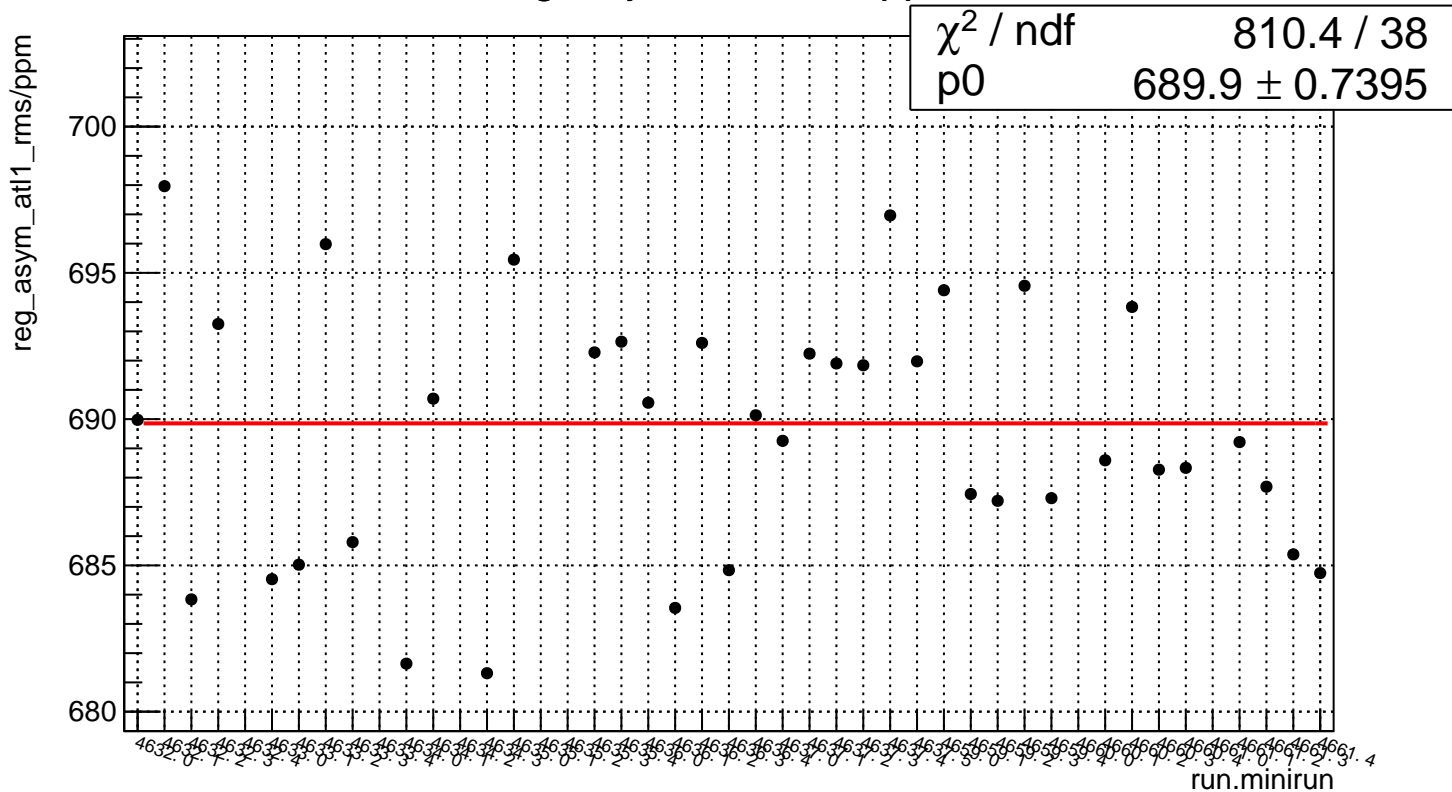
$\chi^2 / \text{ndf}$  39.19 / 38  
p0  $0.03632 \pm 1.122$

reg\_asym\_atl1\_mean/ppm



4632 4633 4634 4635 4636 4637 4638 4639 4640 4641 4642 4643 4644 4645 4646 4647 4648 4649 4650 4651 4652 4653 4654 4655 4656 4657 4658 4659 4660 4661 4662 4663 4664 4665 4666 4667 4668 4669  
run.minirun

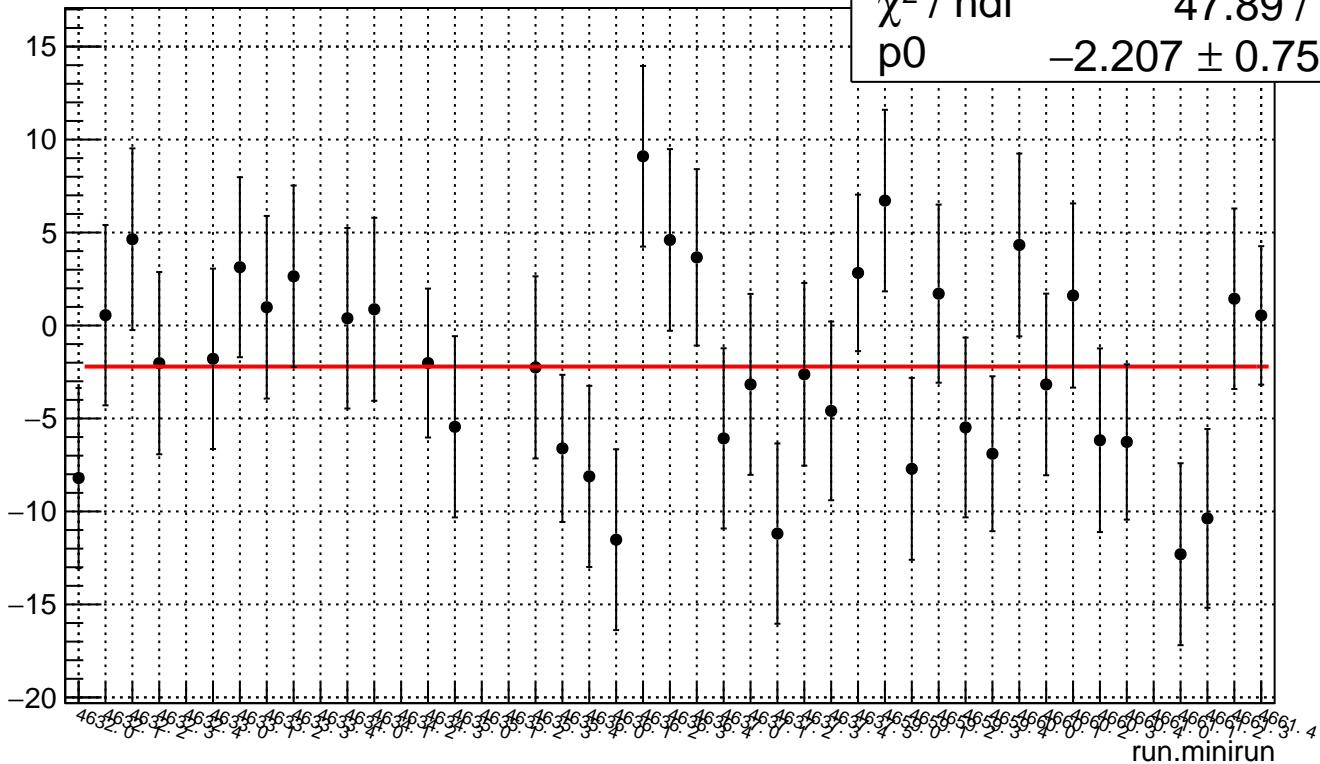
## reg\_asym\_atl1\_rms/ppm



# reg\_asym\_atl2\_mean/ppm

reg\_asym\_atl2\_mean/ppm

$\chi^2 / \text{ndf}$  47.89 / 38  
 p0  $-2.207 \pm 0.7533$



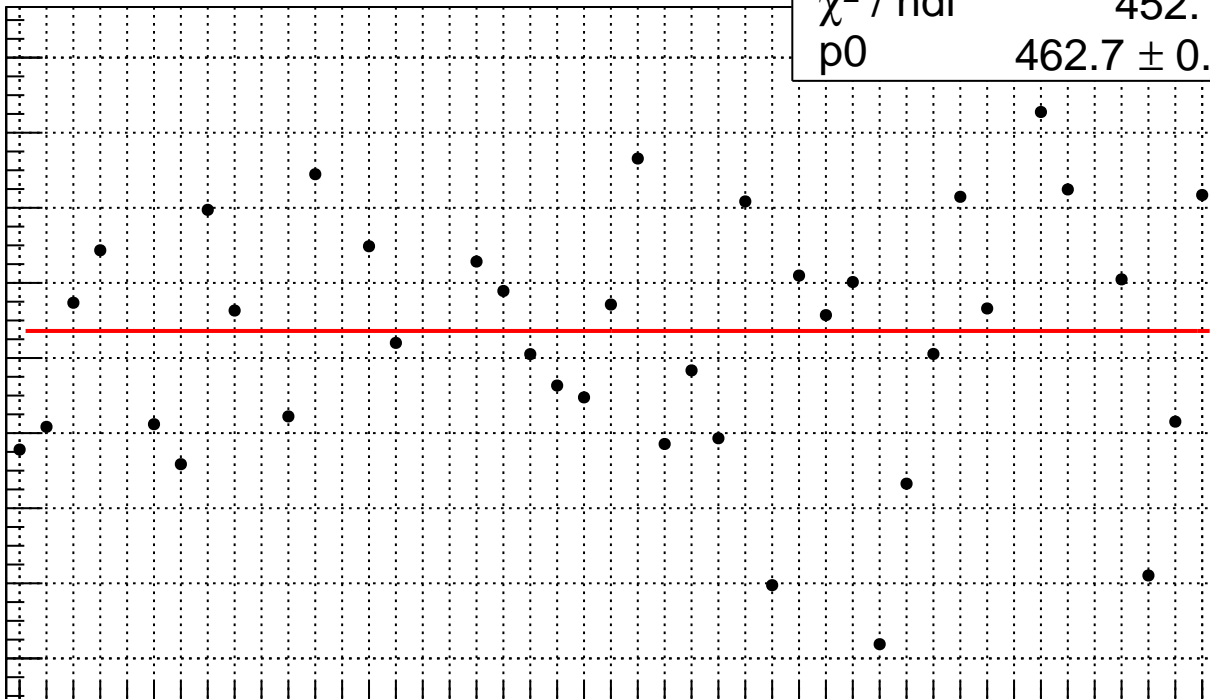
run.minirun

reg\_asym\_atl2\_rms/ppm

reg\_asym\_atl2\_rms/ppm

470  
468  
466  
464  
462  
460  
458  
456  
454

$\chi^2 / \text{ndf}$  452.1 / 38  
p0  $462.7 \pm 0.5523$



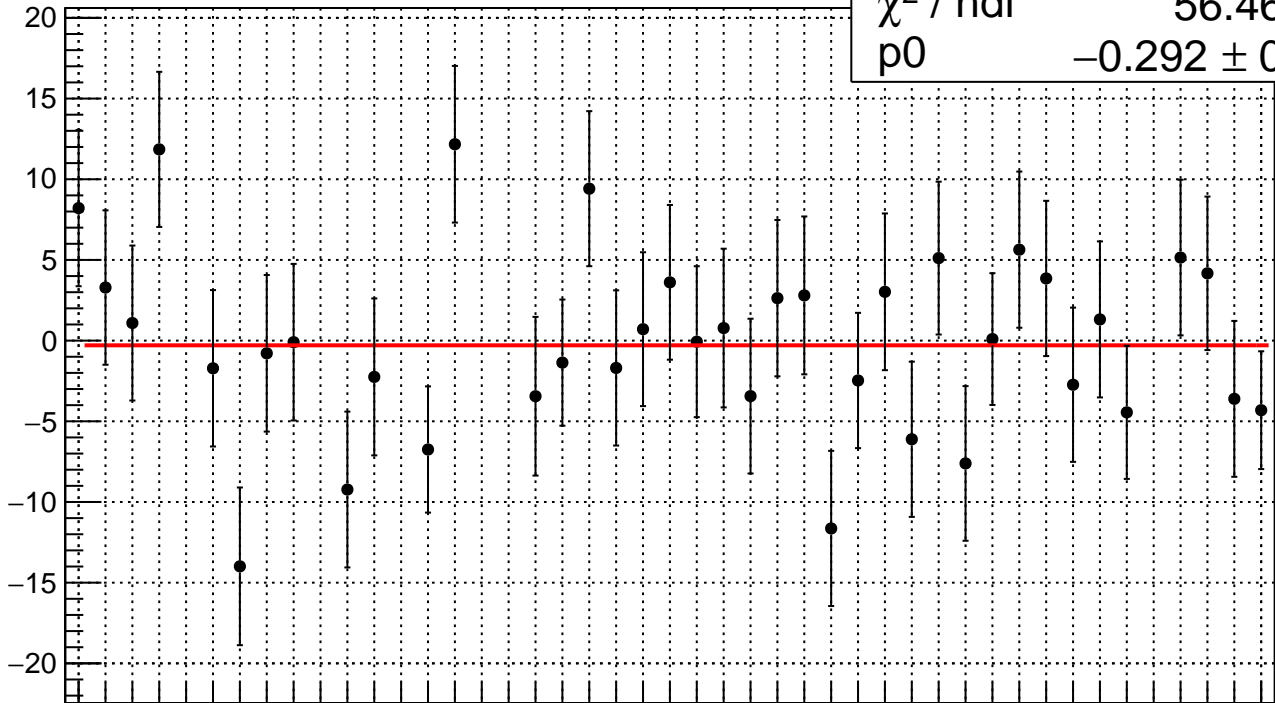
4632 4633 4634 4635 4636 4637 4638 4639 4640 4641 4642 4643 4644 4645 4646 4647 4648 4649 4650 4651 4652 4653 4654 4655 4656 4657 4658 4659 4660 4661 4662 4663 4664

run.minirun

reg\_asym\_atr1\_mean/ppm

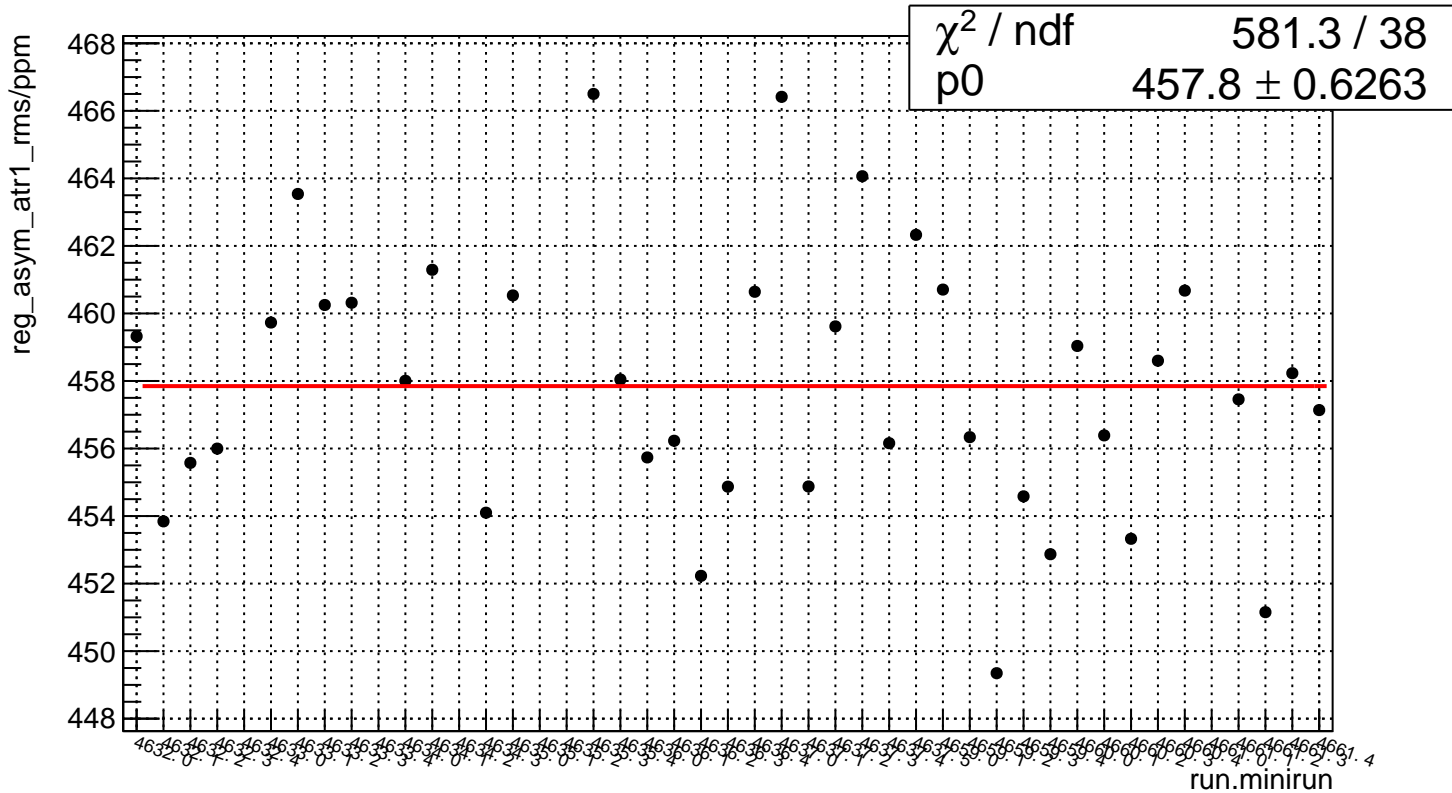
$\chi^2 / \text{ndf}$  56.46 / 38  
p0  $-0.292 \pm 0.745$

reg\_asym\_atr1\_mean/ppm



run.minirun

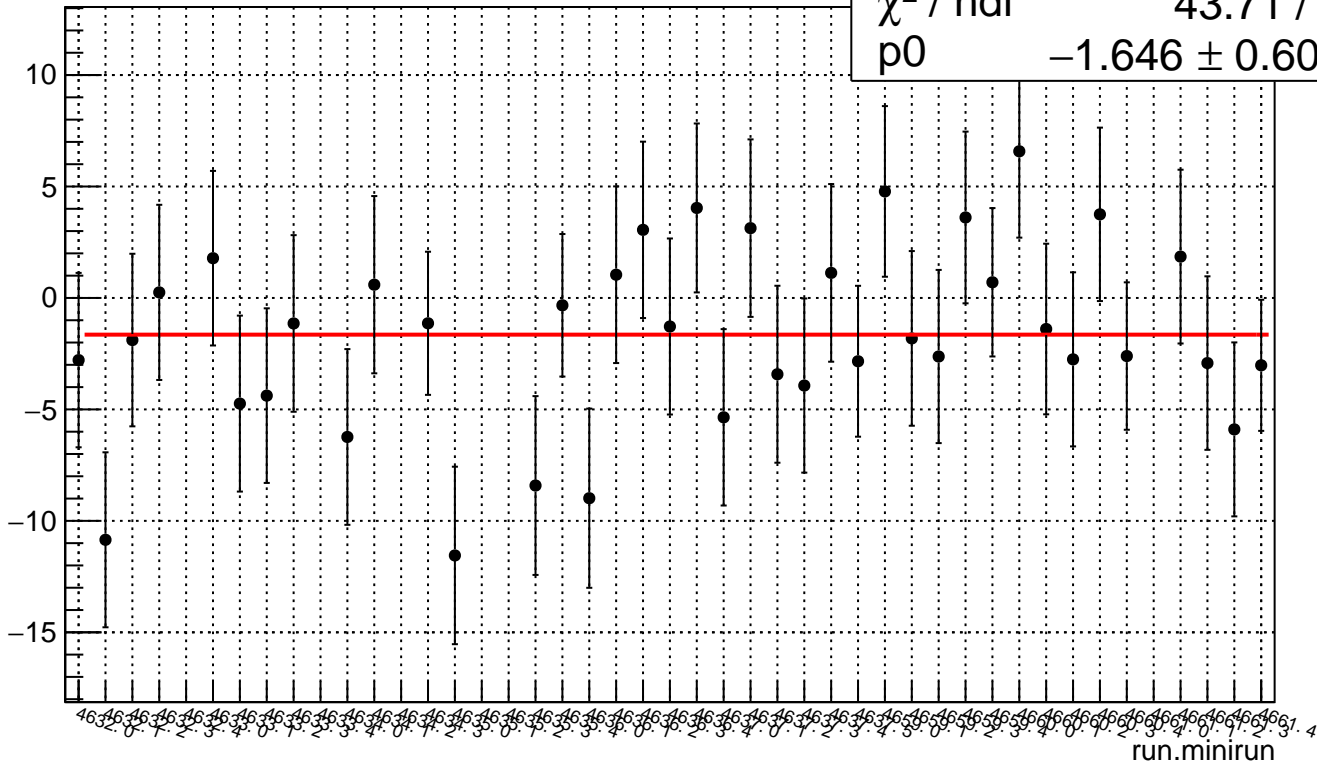
# reg\_asym\_atr1\_rms/ppm



reg\_asym\_atr2\_mean/ppm

$\chi^2 / \text{ndf}$  43.71 / 38  
p0  $-1.646 \pm 0.6057$

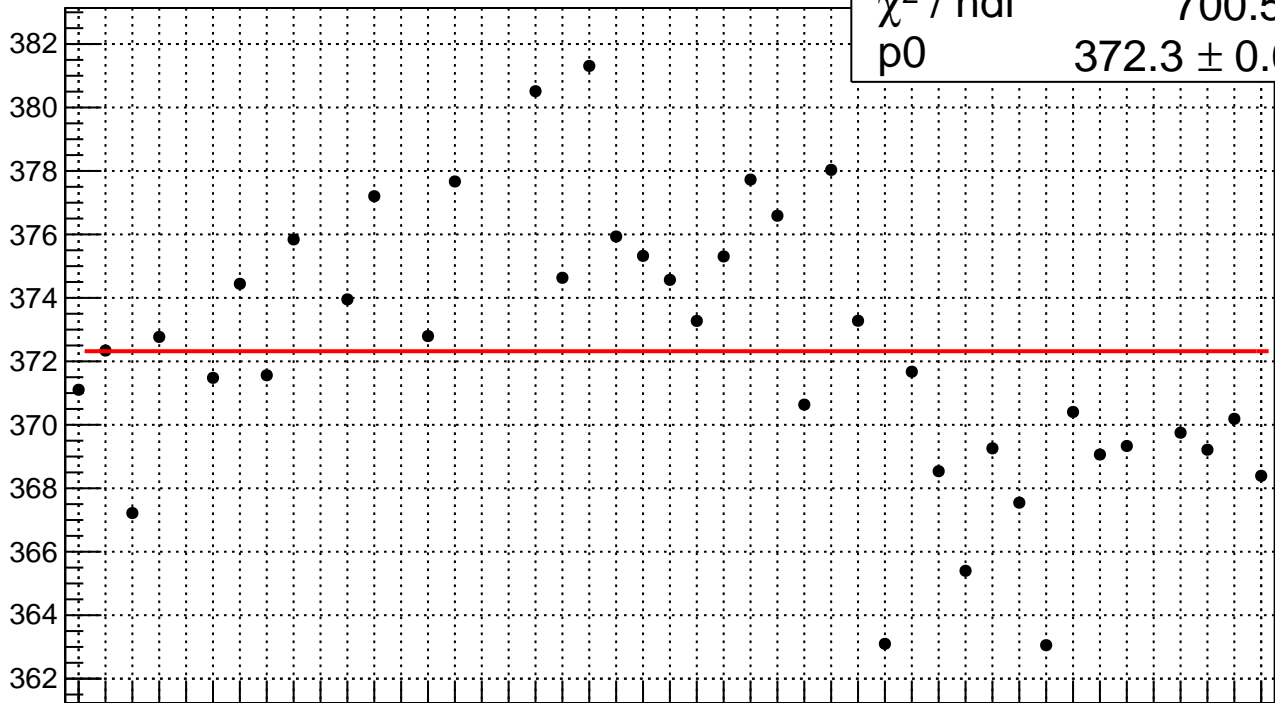
reg\_asym\_atr2\_mean/ppm



# reg\_asym\_atr2\_rms/ppm

reg\_asym\_atr2\_rms/ppm

$\chi^2 / \text{ndf}$	700.5 / 38
p0	$372.3 \pm 0.6875$



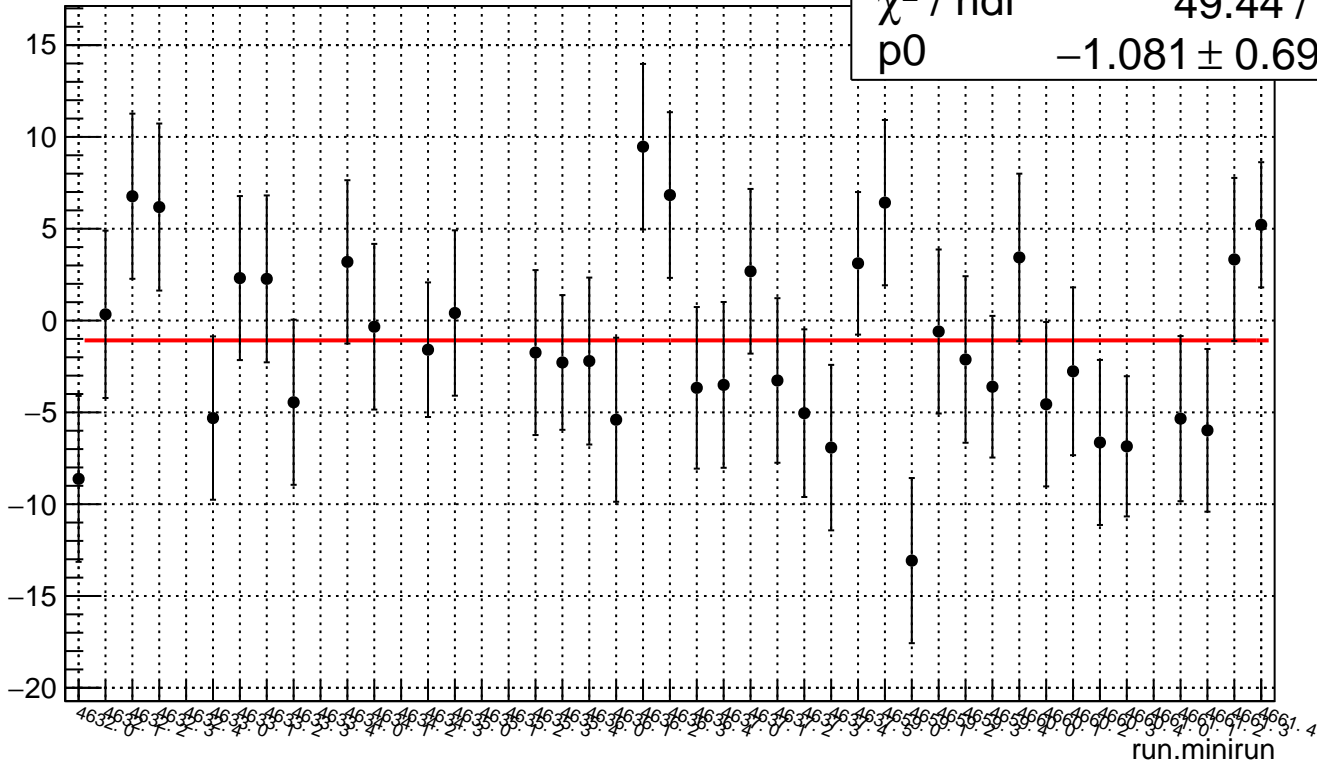
run.minirun



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

reg\_asym\_atl\_avg\_mean/ppm

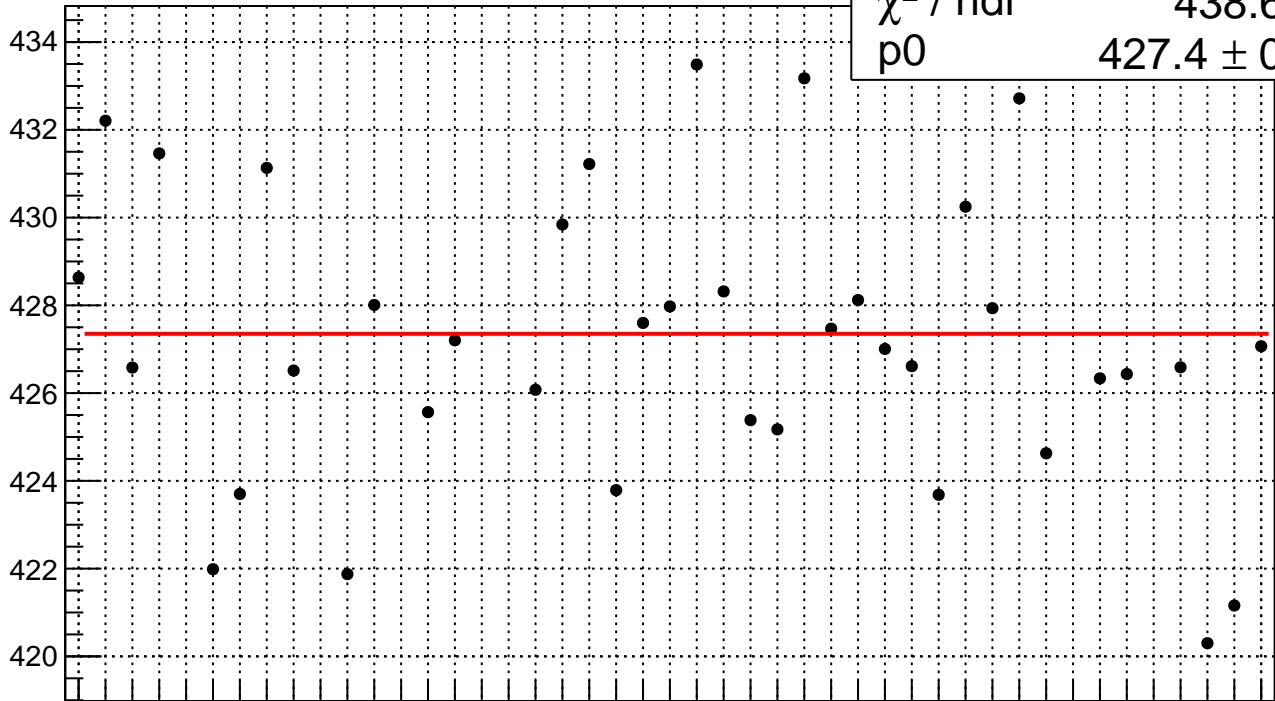
$\chi^2 / \text{ndf}$  49.44 / 38  
 p0  $-1.081 \pm 0.6955$



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

reg\_asym\_atl\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  438.6 / 38  
 p0 427.4 ± 0.544



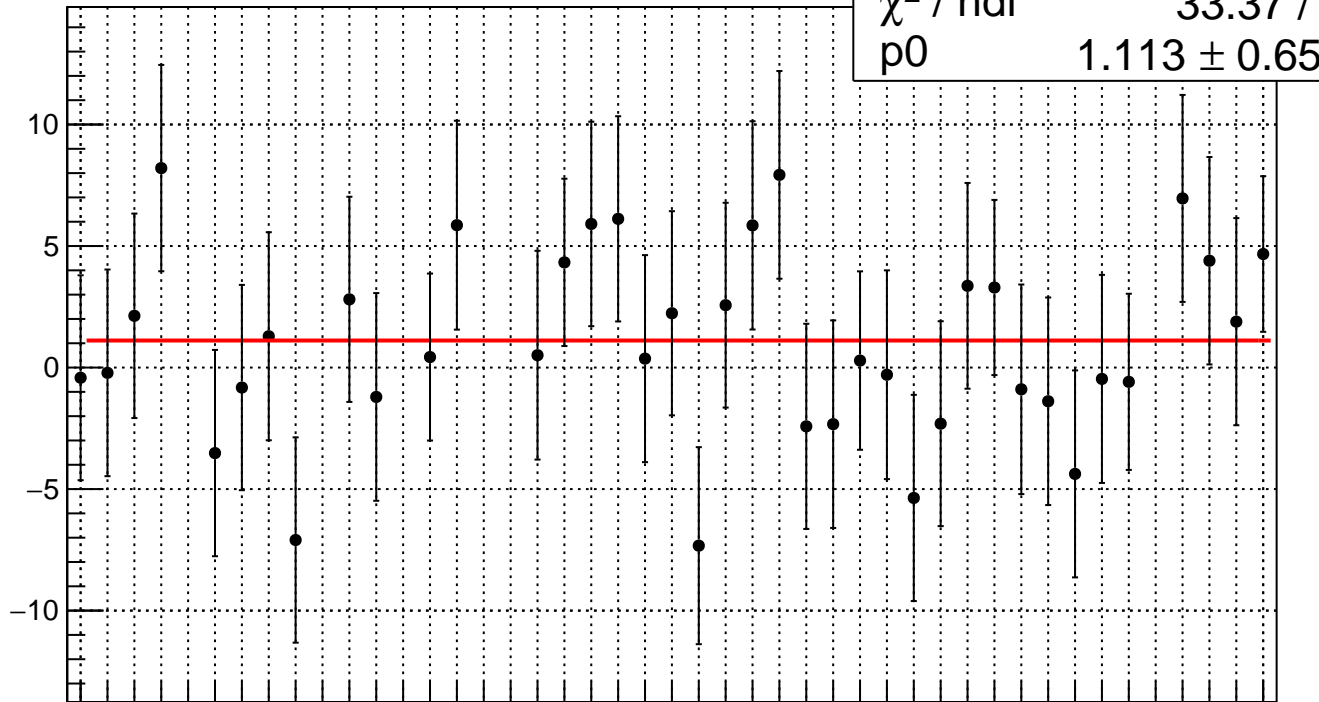
run.minirun

reg\_asym\_atl\_dd\_mean/ppm

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

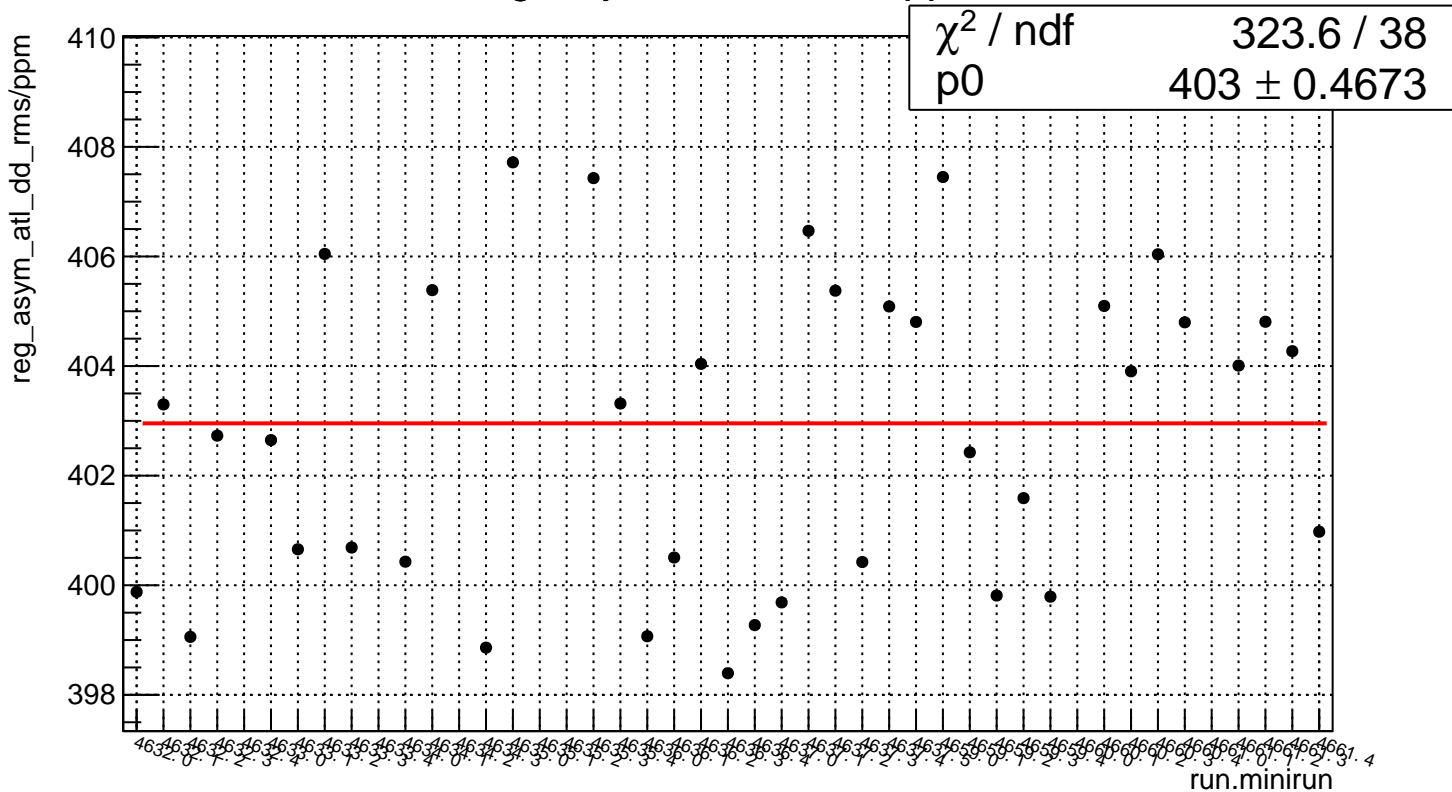
33.37 / 38  
 $1.113 \pm 0.6556$

reg\_asym\_atl\_dd\_mean/ppm



run.minirun

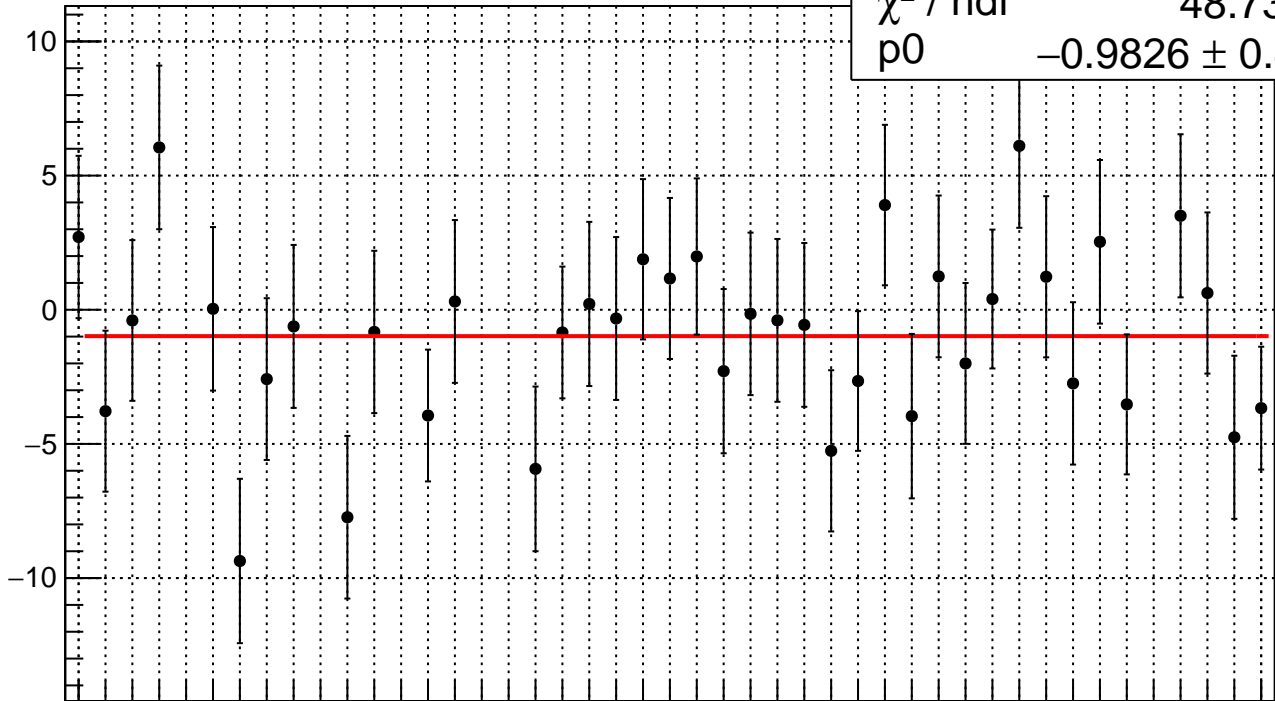
# reg\_asym\_atl\_dd\_rms/ppm



reg\_asym\_atr\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  48.73 / 38  
p0  $-0.9826 \pm 0.4676$

reg\_asym\_atr\_avg\_mean/ppm

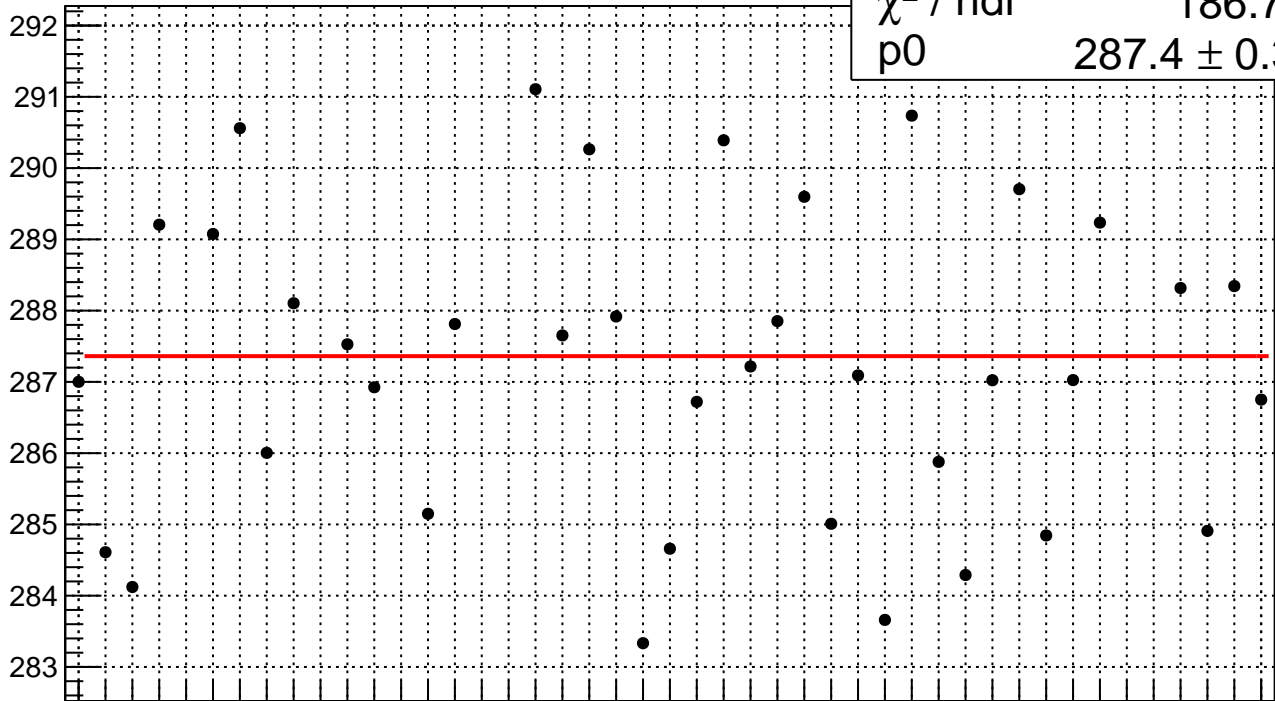


run.minirun

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

reg\_asym\_atr\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  186.7 / 38  
 p0  $287.4 \pm 0.3549$



4632 4634 4636 4638 4640 4642 4644 4646 4648 4650 4652 4654 4656 4658 4660 4662 4664 4666  
 run.minirun

reg\_asym\_atr\_dd\_mean/ppm

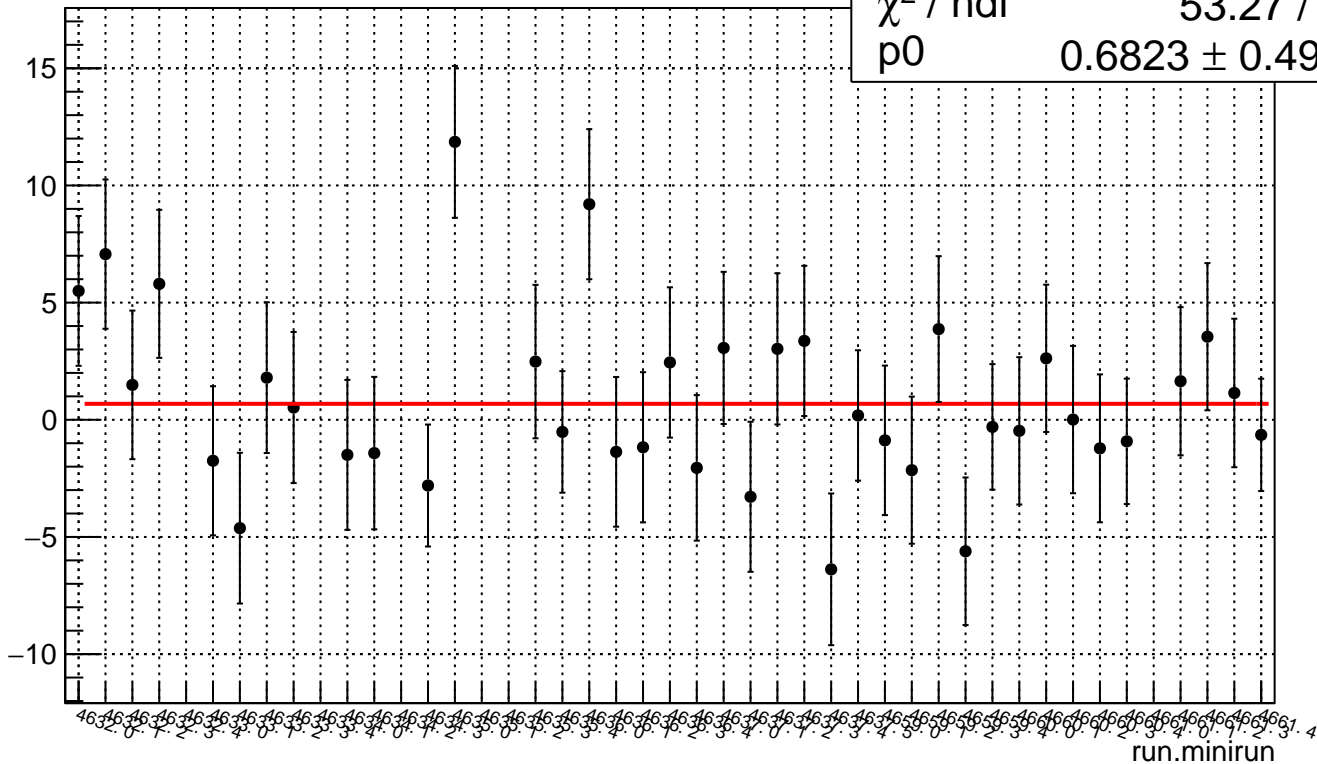
$\chi^2 / \text{ndf}$

53.27 / 38

p0

$0.6823 \pm 0.4922$

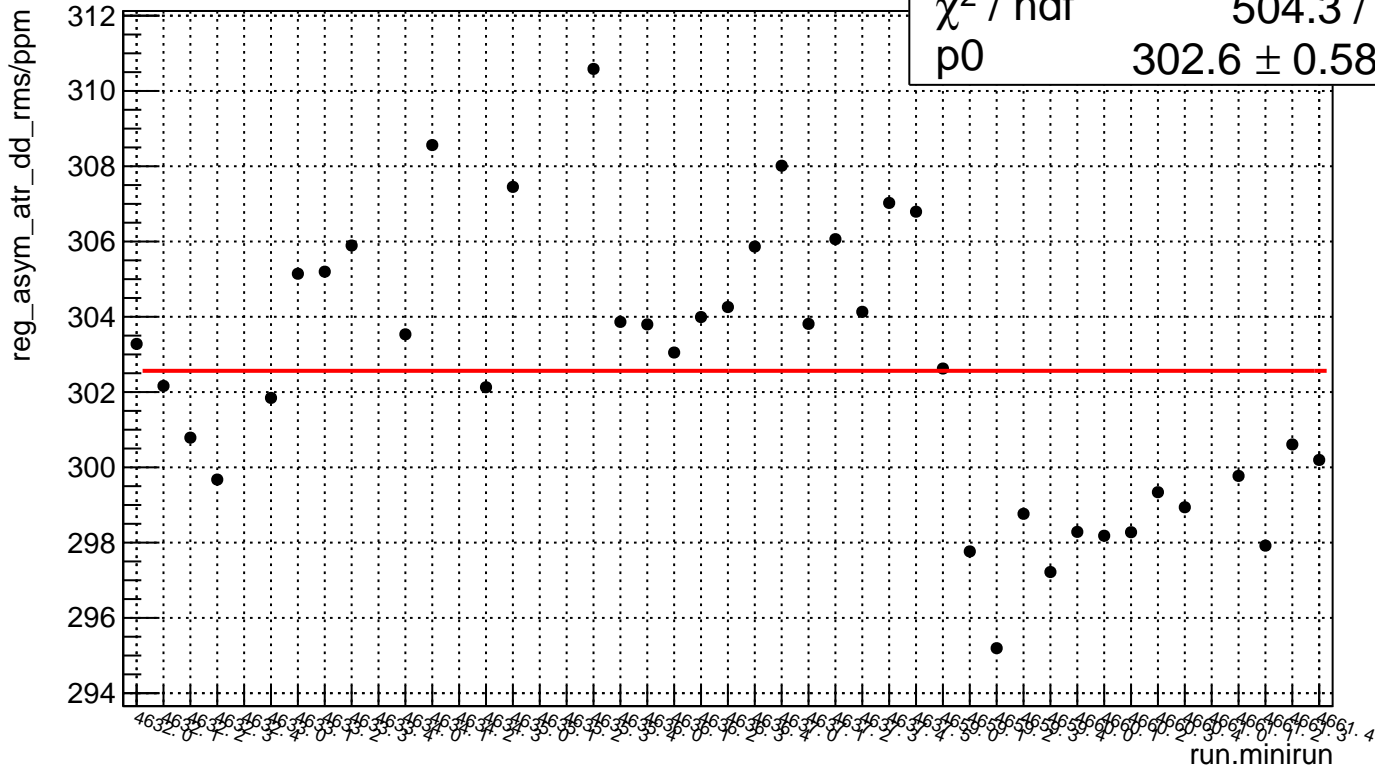
reg\_asym\_atr\_dd\_mean/ppm



run.minirun

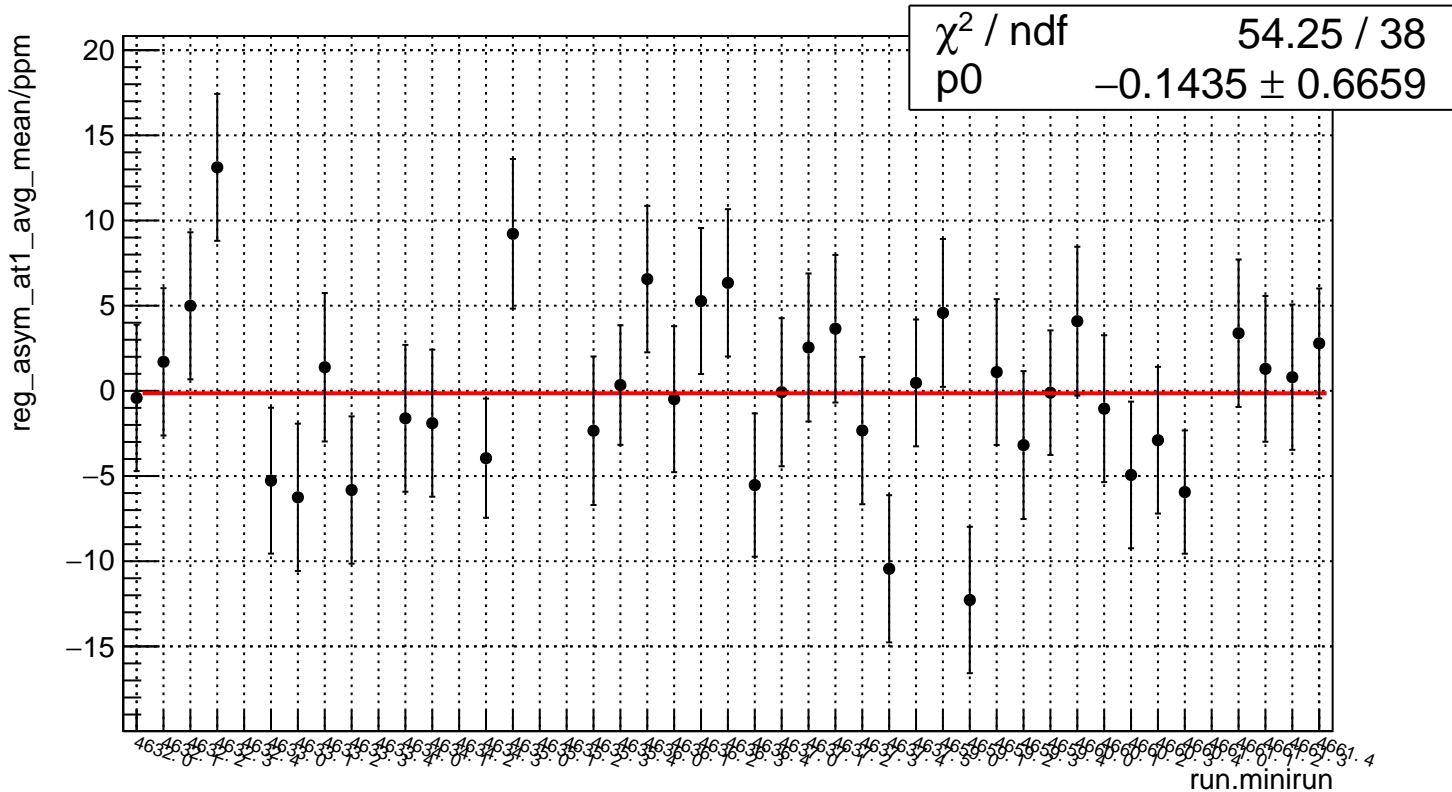
# reg\_asym\_atr\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  504.3 / 38  
 p0  $302.6 \pm 0.5833$





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



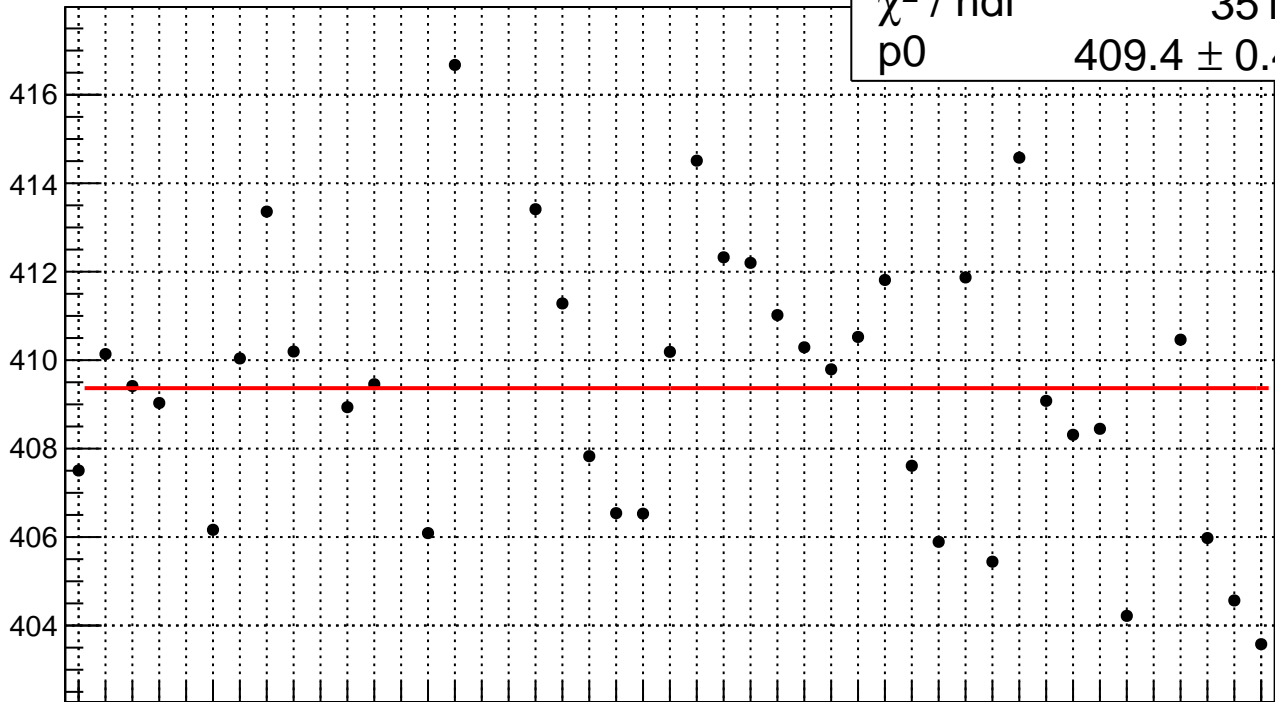
reg\_asym\_at1\_avg\_rms/ppm

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

351 / 38

$409.4 \pm 0.4867$

reg\_asym\_at1\_avg\_rms/ppm

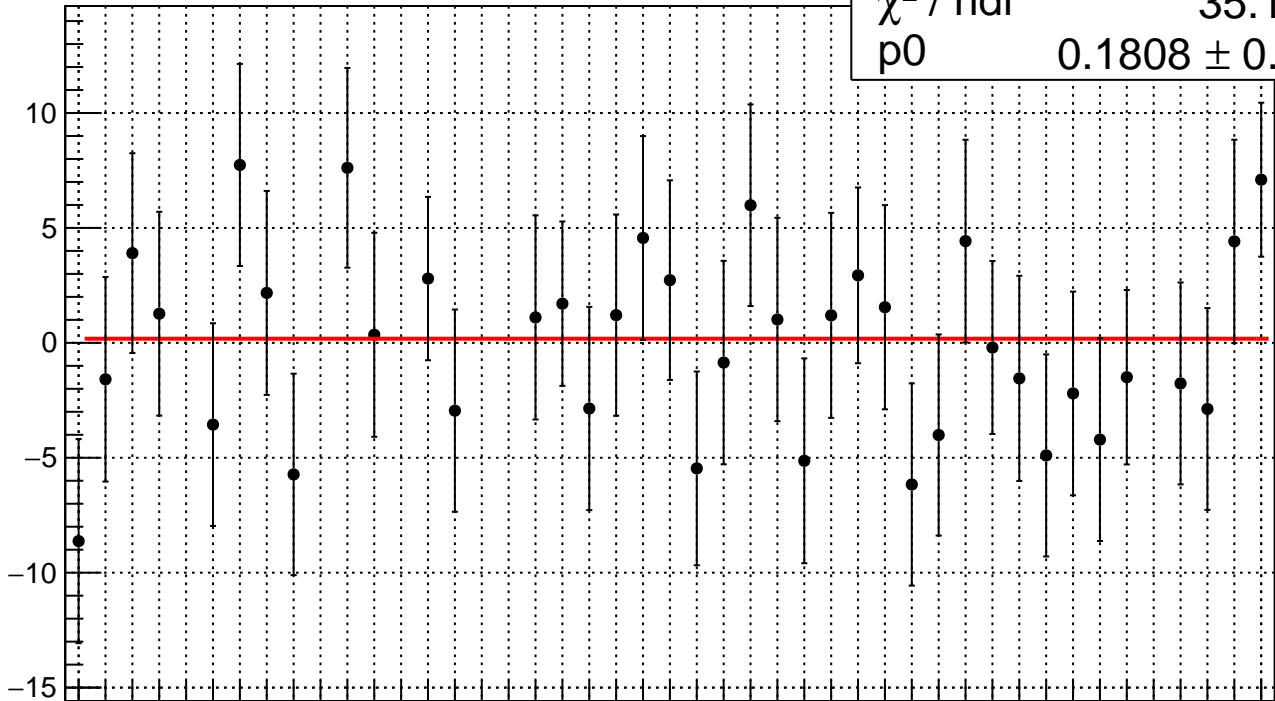


run.minirun

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

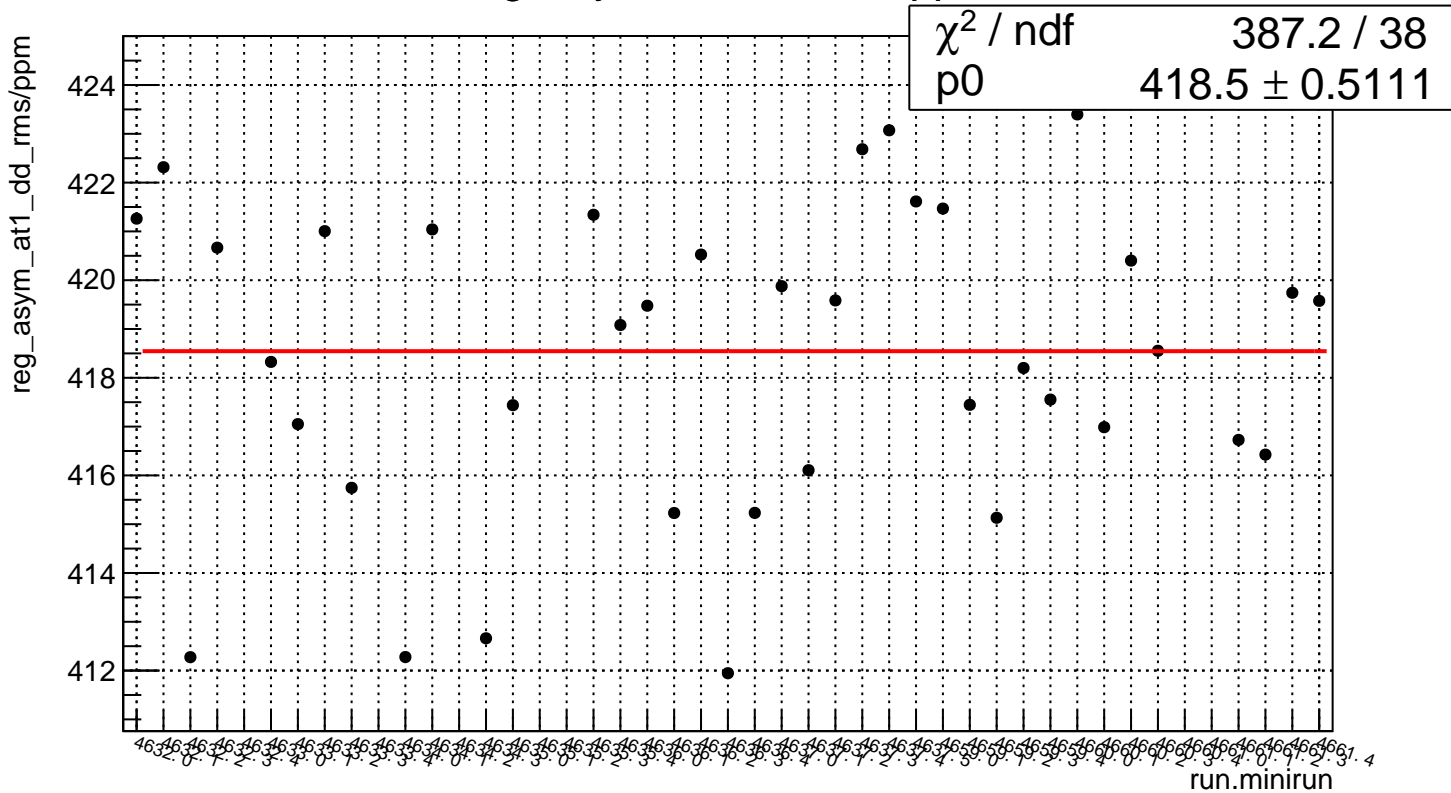
$\chi^2 / \text{ndf}$  35.1 / 38  
 p0 0.1808  $\pm$  0.6811

reg\_asym\_at1\_dd\_mean/ppm



4632 4634 4636 4638 4640 4642 4644 4646 4648 4650 4652 4654 4656 4658 4660 4662 4664  
 run.minirun

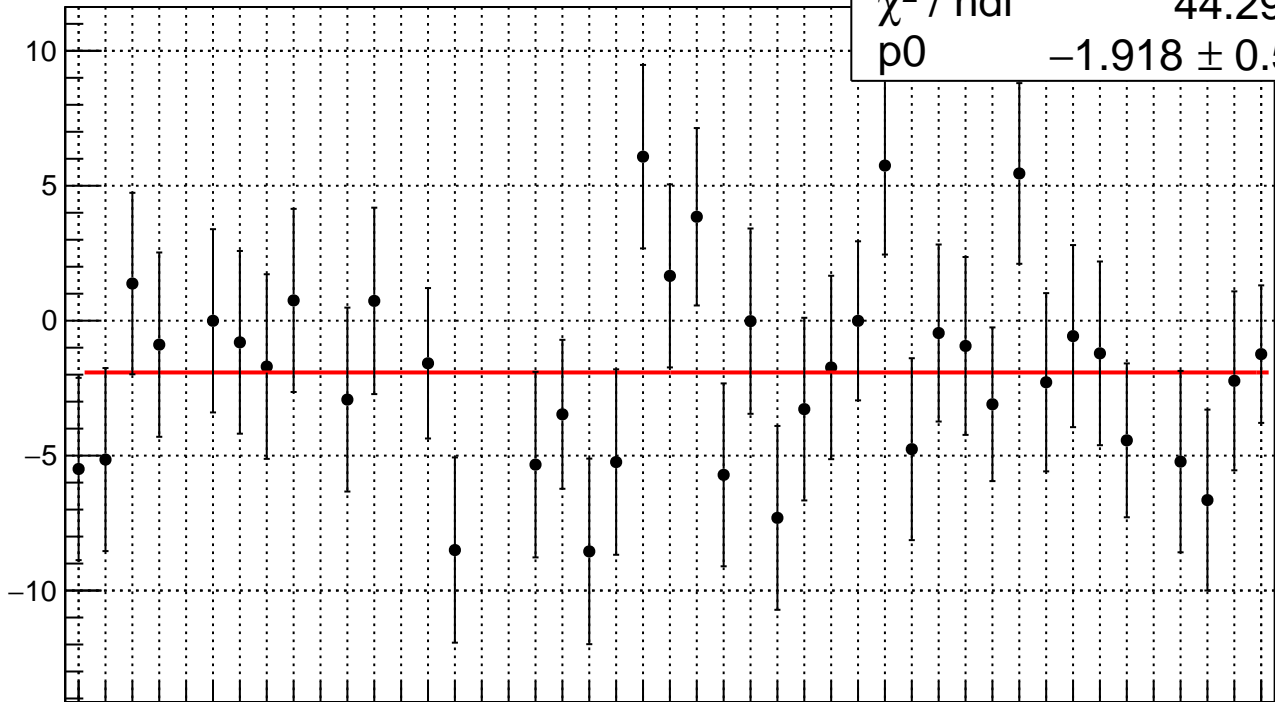
## reg\_asym\_at1\_dd\_rms/ppm



reg\_asym\_at2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  44.29 / 38  
p0  $-1.918 \pm 0.5223$

reg\_asym\_at2\_avg\_mean/ppm

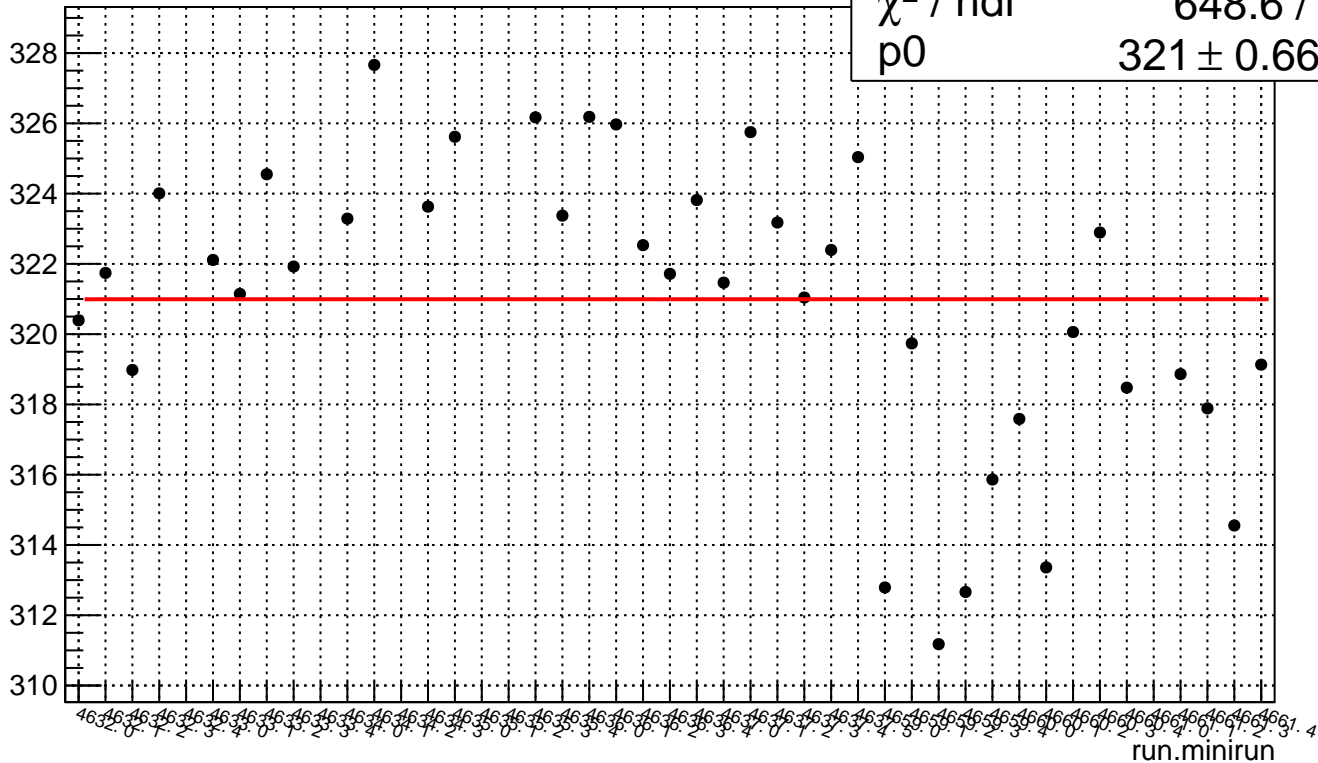


46.32 46.318 46.314 46.31 46.306 46.302 46.298 46.294 46.29 46.286 46.282 46.278 46.274 46.27 46.266 46.262 46.258 46.254 46.25 46.246 46.242 46.238 46.234 46.23 46.226 46.222 46.218 46.214 46.21 46.206 46.202 46.198 46.194 46.19 46.186 46.182 46.178 46.174 46.17 46.166 46.162 46.158 46.154 46.15 46.146 46.142 46.138 46.134 46.13 46.126 46.122 46.118 46.114 46.11 46.106 46.102 46.098 46.094 46.09 46.086 46.082 46.078 46.074 46.07 46.066 46.062 46.058 46.054 46.05 46.046 46.042 46.038 46.034 46.03 46.026 46.022 46.018 46.014 46.01 46.006 46.002 46.098 46.094 46.09 46.086 46.082 46.078 46.074 46.07 46.066 46.062 46.058 46.054 46.05 46.046 46.042 46.038 46.034 46.03 46.026 46.022 46.018 46.014 46.01 46.006 46.002 46.31 4

run.minirun

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

reg\_asym\_at2\_avg\_rms/ppm

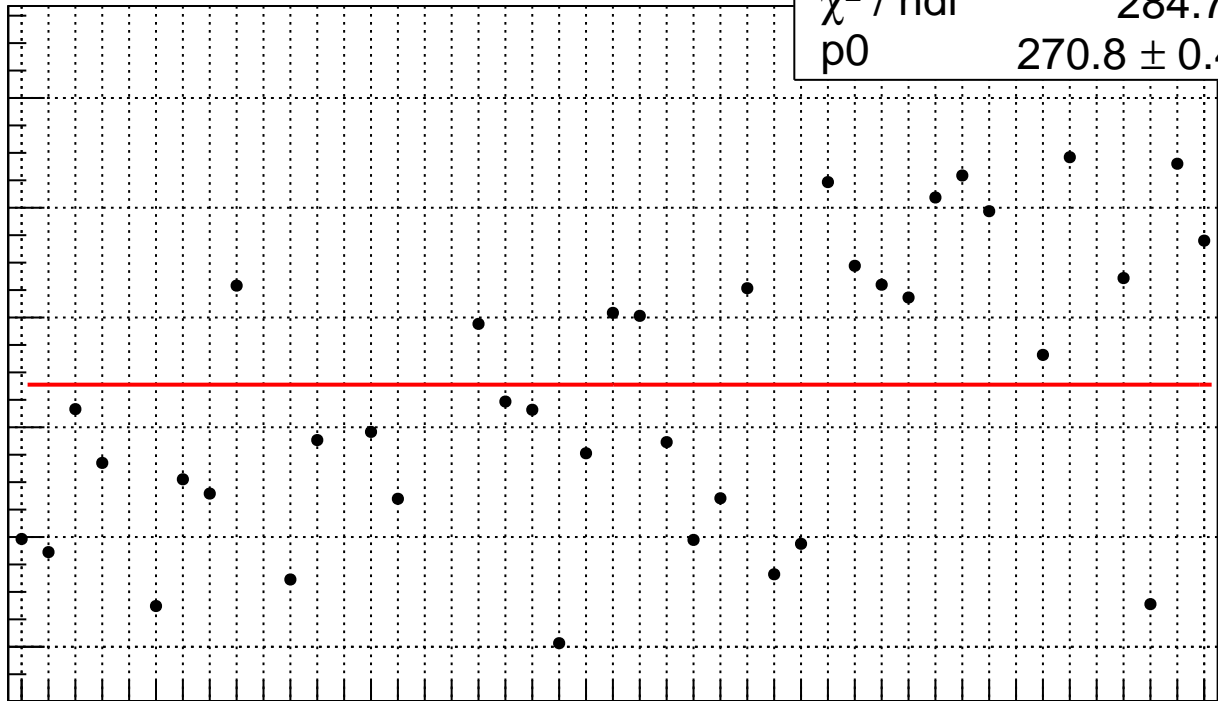




# reg\_asym\_at2\_dd\_rms/ppm

reg\_asym\_at2\_dd\_rms/ppm

$\chi^2 / \text{ndf}$  284.7 / 38  
 p0 270.8 ± 0.4383



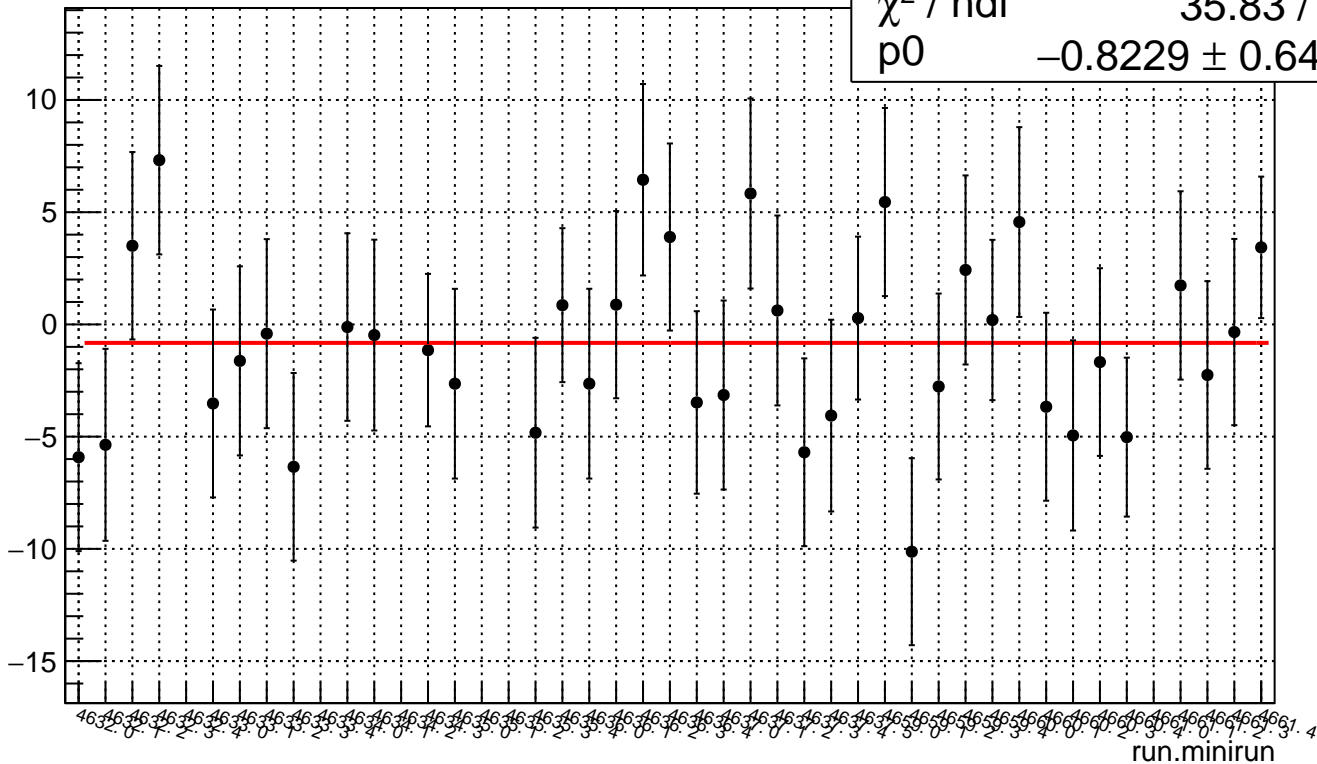
run.minirun



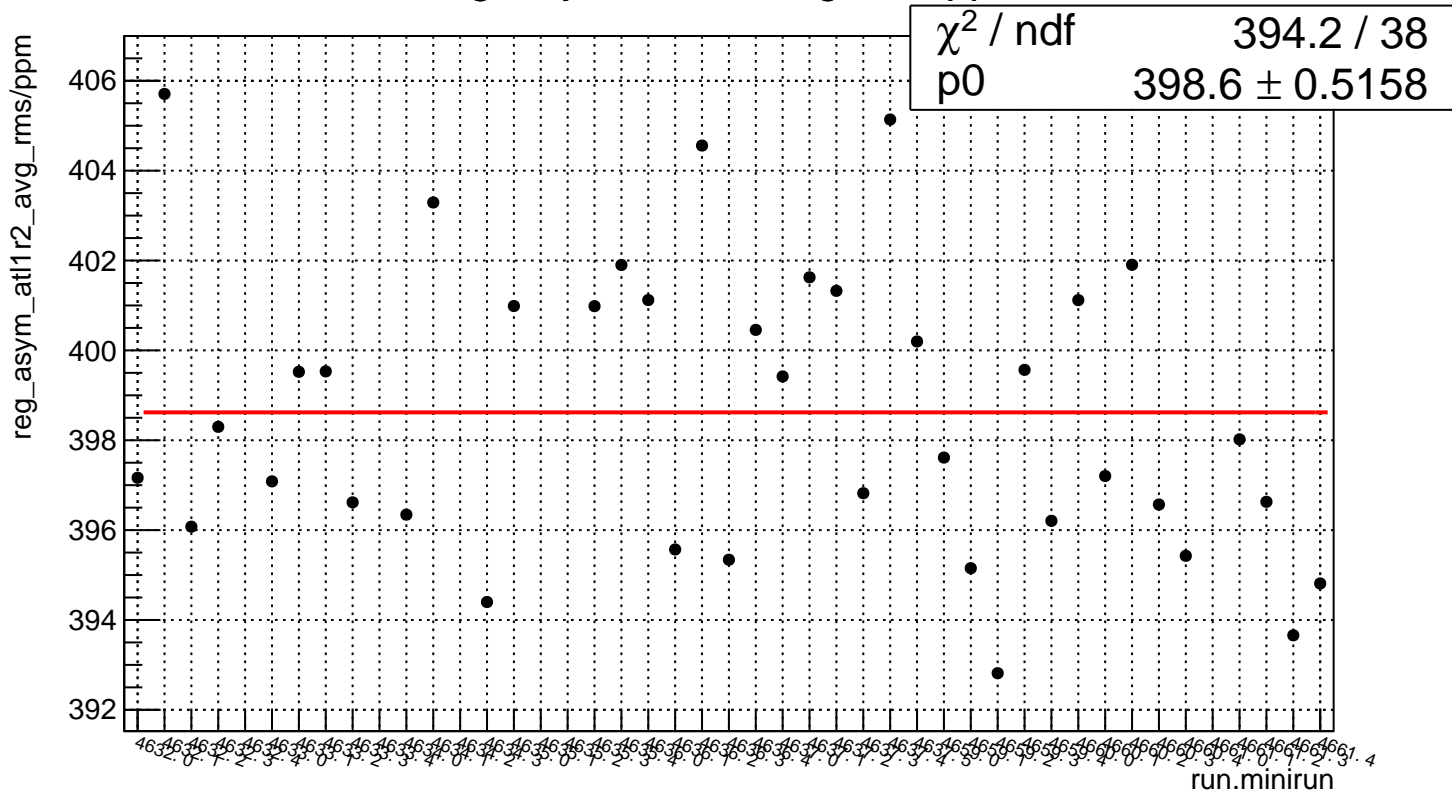
# reg\_asym\_atl1r2\_avg\_mean/ppm

reg\_asym\_atl1r2\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  35.83 / 38  
 p0  $-0.8229 \pm 0.6485$



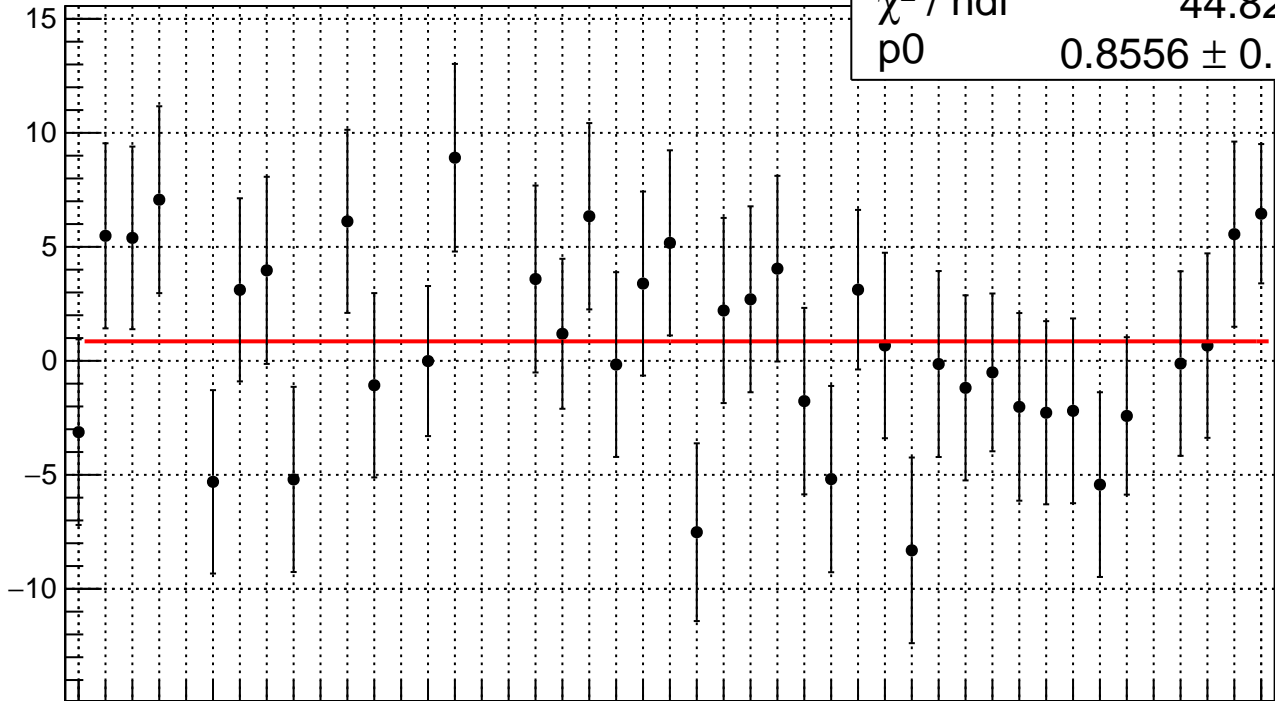
## reg\_asym\_atl1r2\_avg\_rms/ppm



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

reg\_asym\_atl1r2\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  44.82 / 38  
 p0  $0.8556 \pm 0.6267$

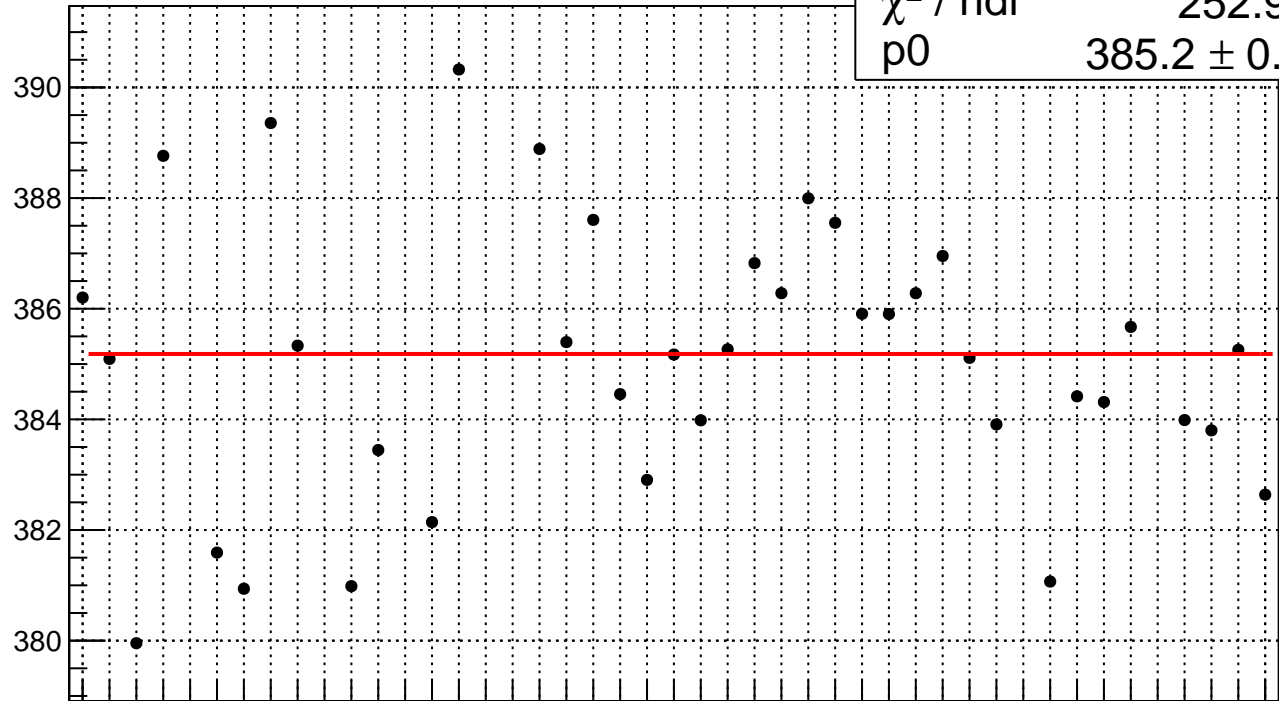


run.minirun

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

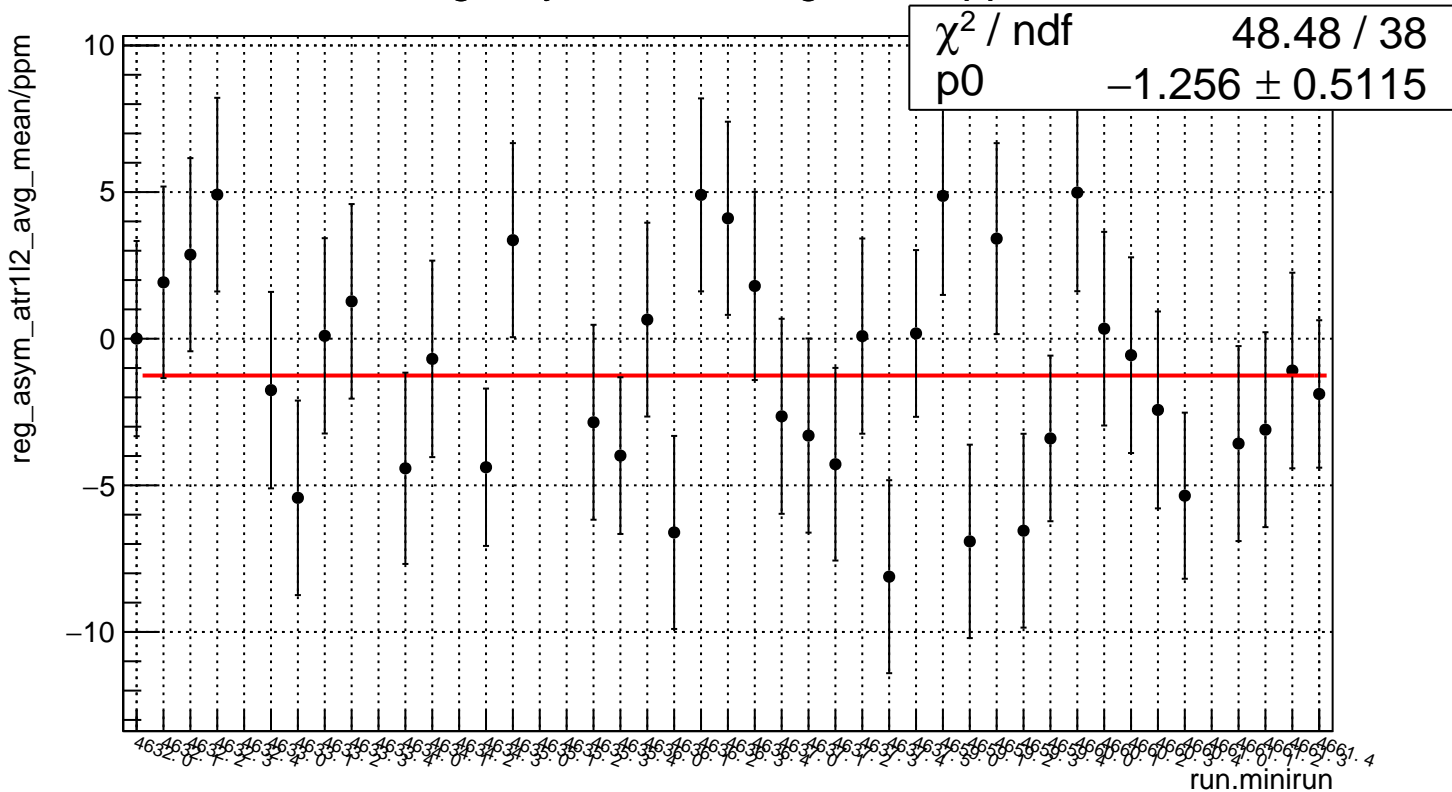
$\chi^2 / \text{ndf}$  252.9 / 38  
 p0 385.2 ± 0.4131

reg\_asym\_atl1r2\_dd\_rms/ppm



run.minirun

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

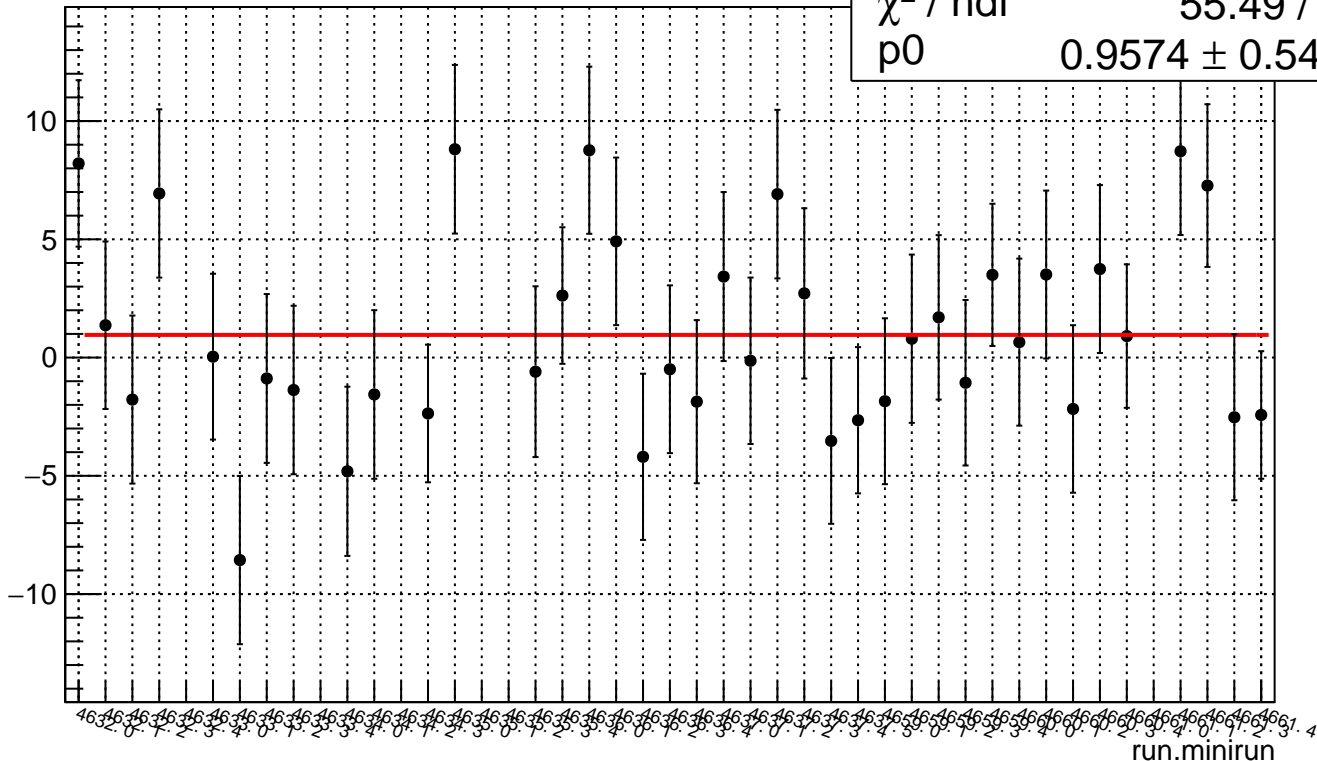




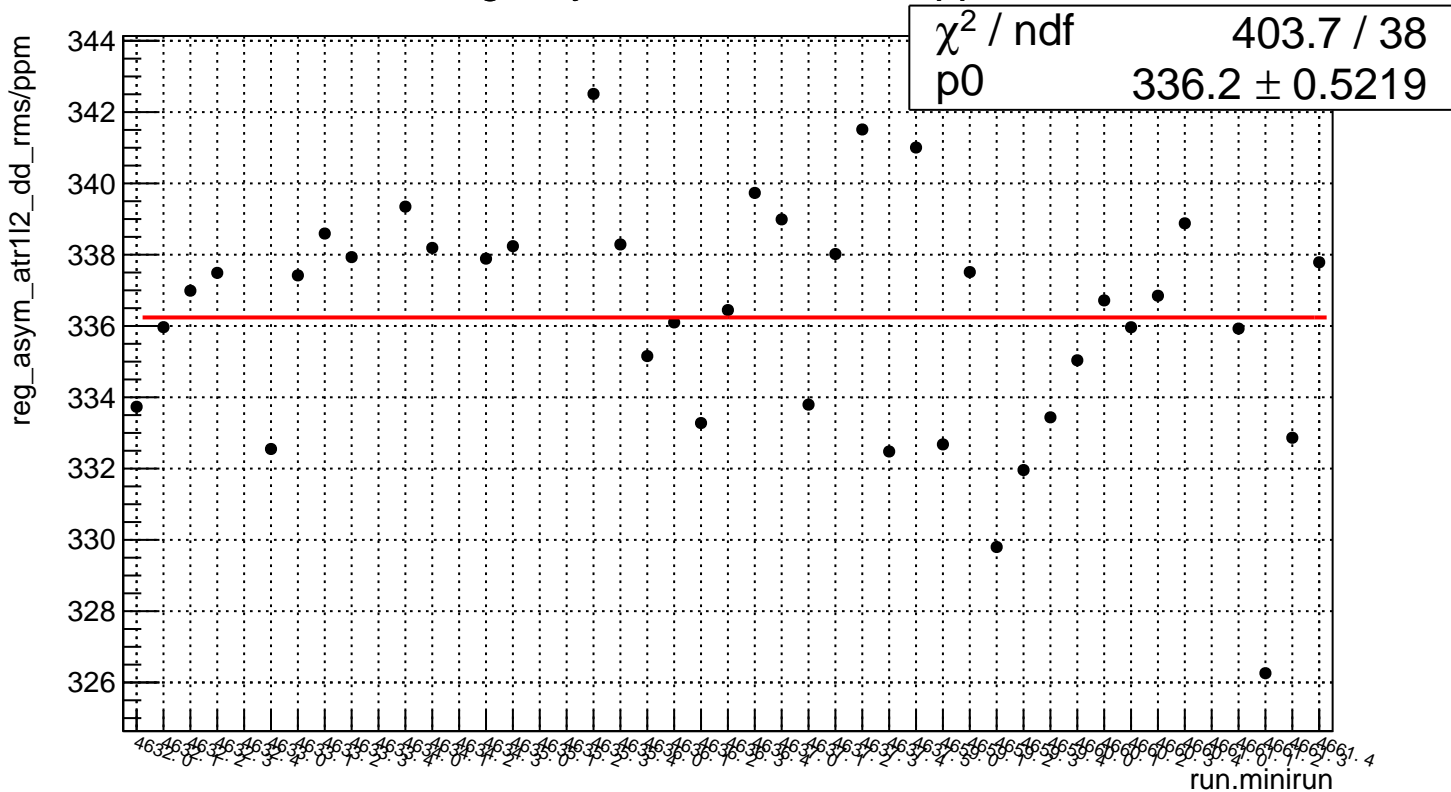
# reg\_asym\_atr1l2\_dd\_mean/ppm

reg\_asym\_atr1l2\_dd\_mean/ppm

$\chi^2 / \text{ndf}$  55.49 / 38  
 p0  $0.9574 \pm 0.5473$



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

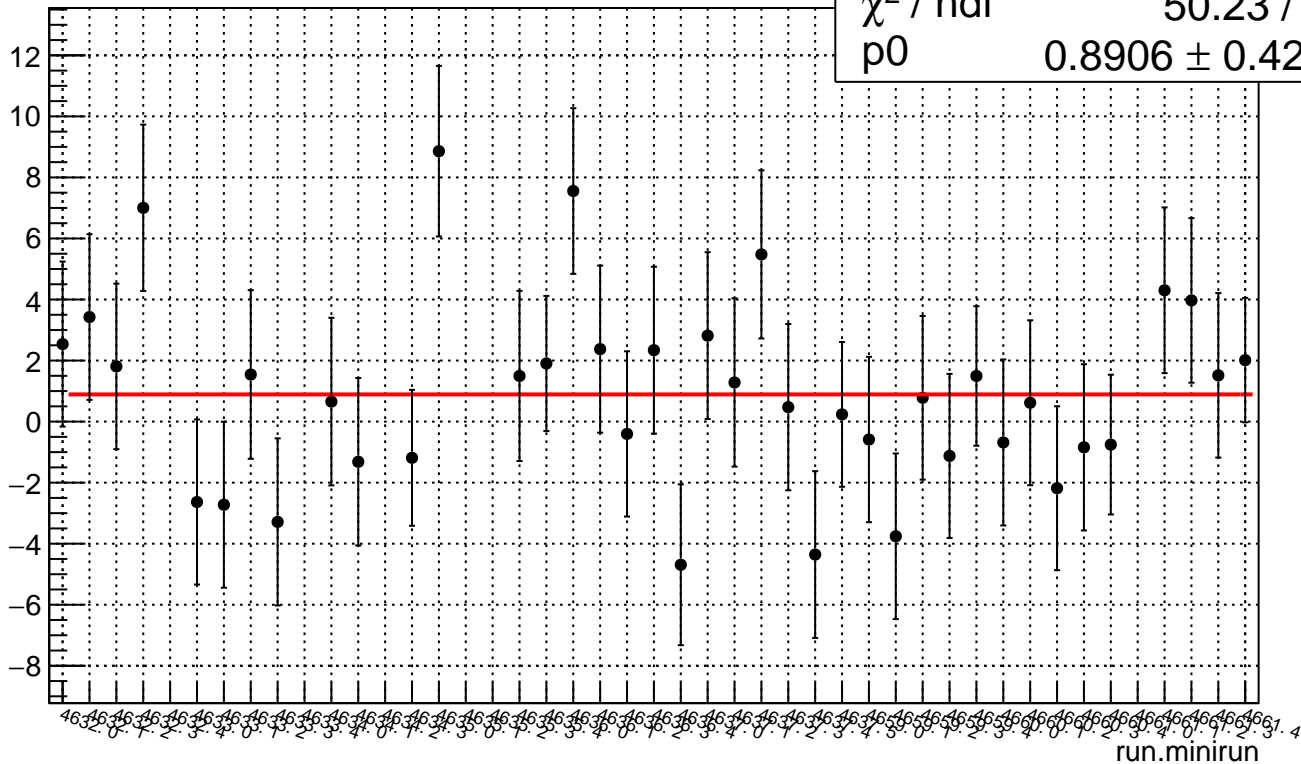




# reg\_asym\_atl\_dd\_atr\_dd\_avg\_mean/ppm

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

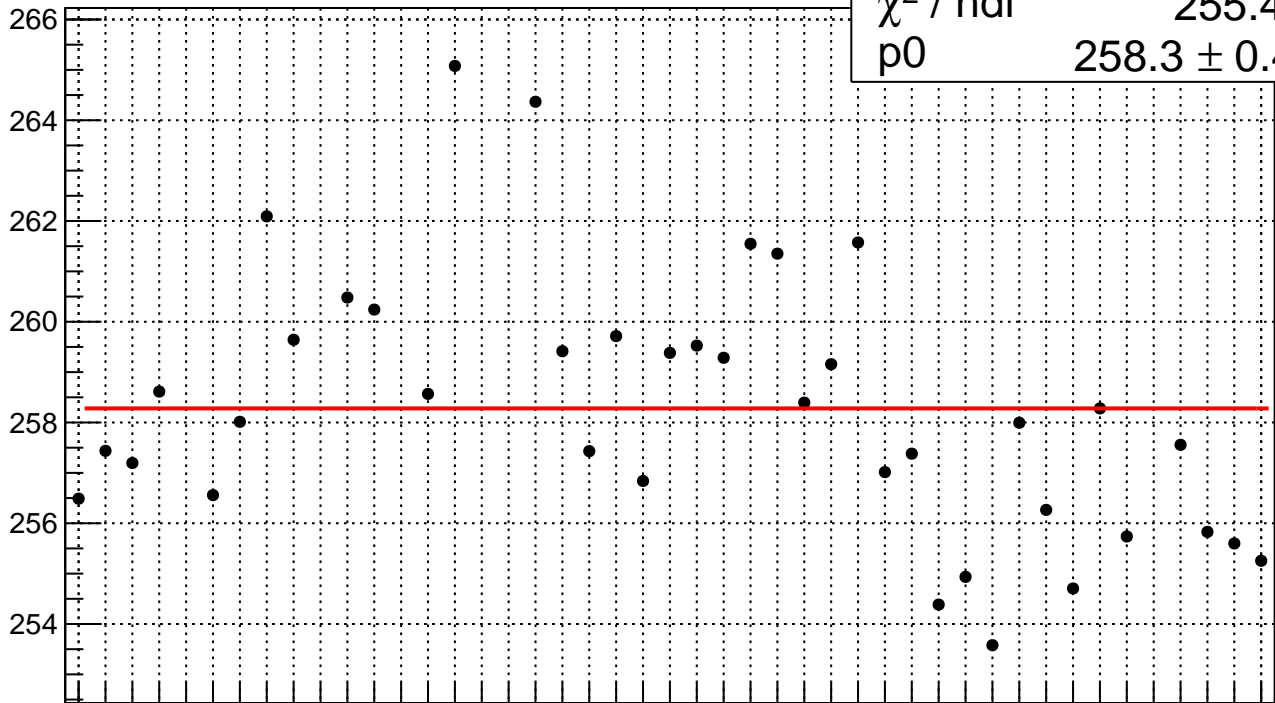
$\chi^2 / \text{ndf}$  50.23 / 38  
 p0  $0.8906 \pm 0.4202$



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

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

$\chi^2 / \text{ndf}$  255.4 / 38  
 p0  $258.3 \pm 0.4152$

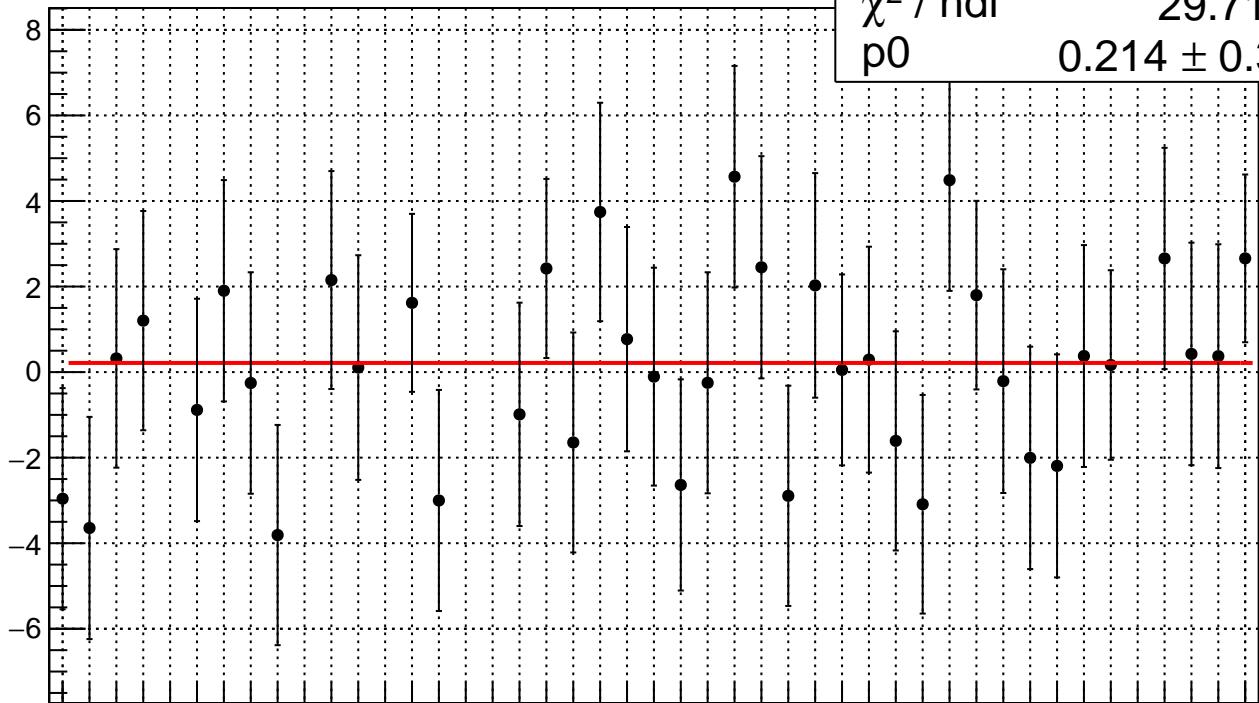


run.minirun

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

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

$\chi^2 / \text{ndf}$  29.71 / 38  
 p0  $0.214 \pm 0.3994$

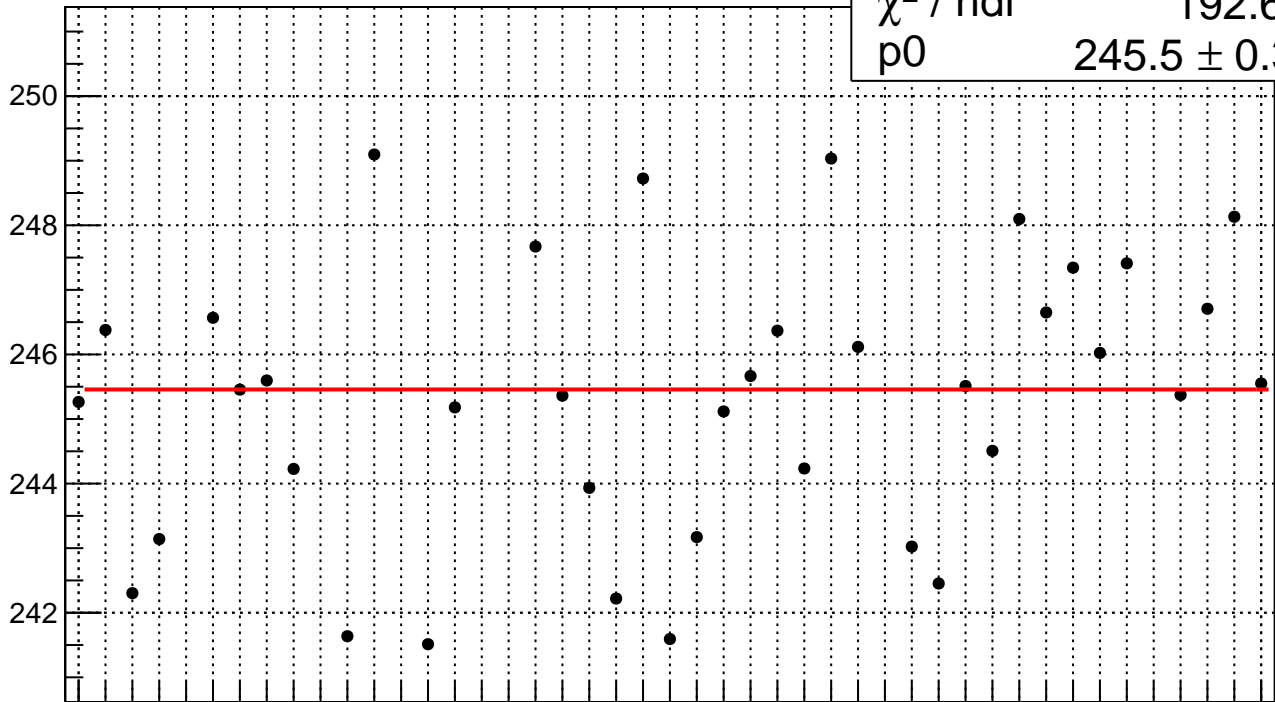


4632 4634 4636 4638 4640 4642 4644 4646 4648 4650 4652 4654 4656 4658 4660 4662 4664  
 run.minirun

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

$\chi^2 / \text{ndf}$  192.6 / 38  
p0 245.5 ± 0.3605

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

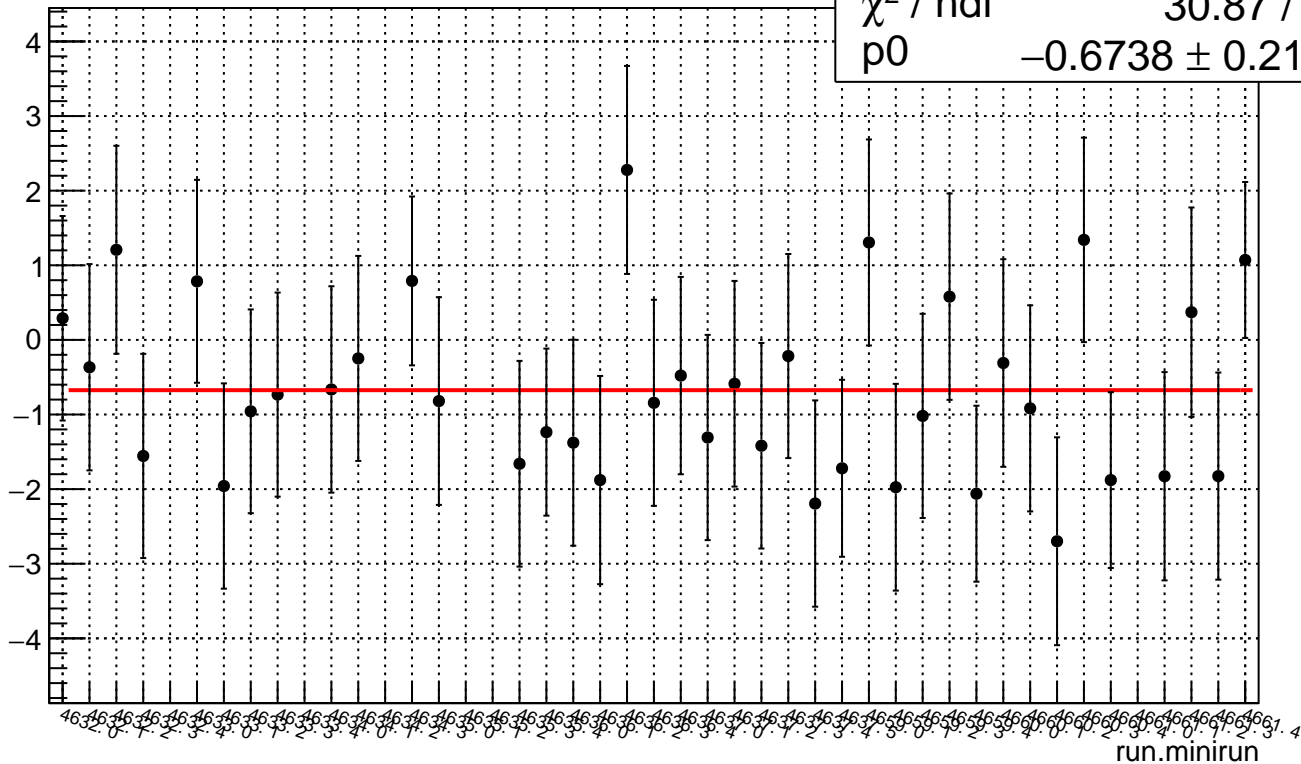


run.minirun

# reg\_asym\_usl\_mean/ppm

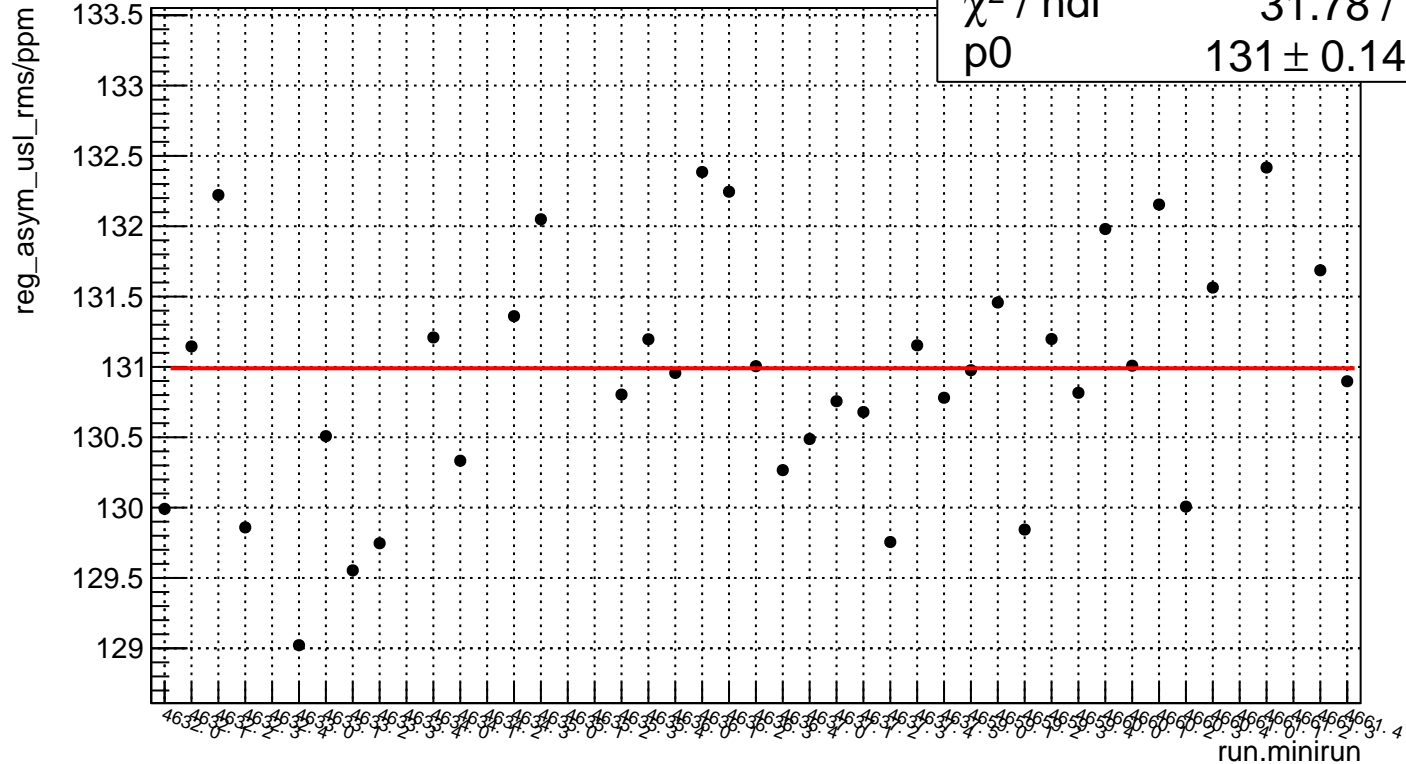
reg\_asym\_usl\_mean/ppm

$\chi^2 / \text{ndf}$  30.87 / 38  
 $p_0$   $-0.6738 \pm 0.2132$



# reg\_asym\_usl\_rms/ppm

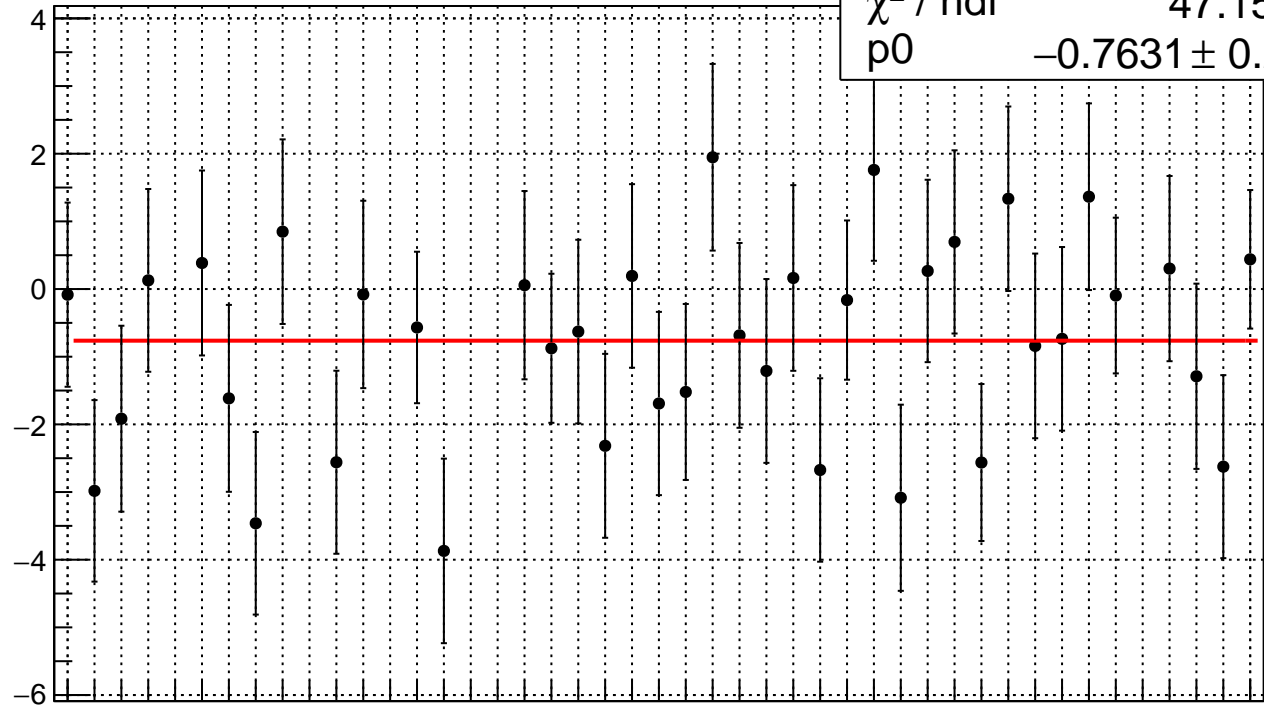
$\chi^2 / \text{ndf}$  31.78 / 38  
 p0  $131 \pm 0.1464$



# reg\_asym\_usr\_mean/ppm

reg\_asym\_usr\_mean/ppm

$\chi^2 / \text{ndf}$  47.15 / 38  
 $p_0$   $-0.7631 \pm 0.2102$

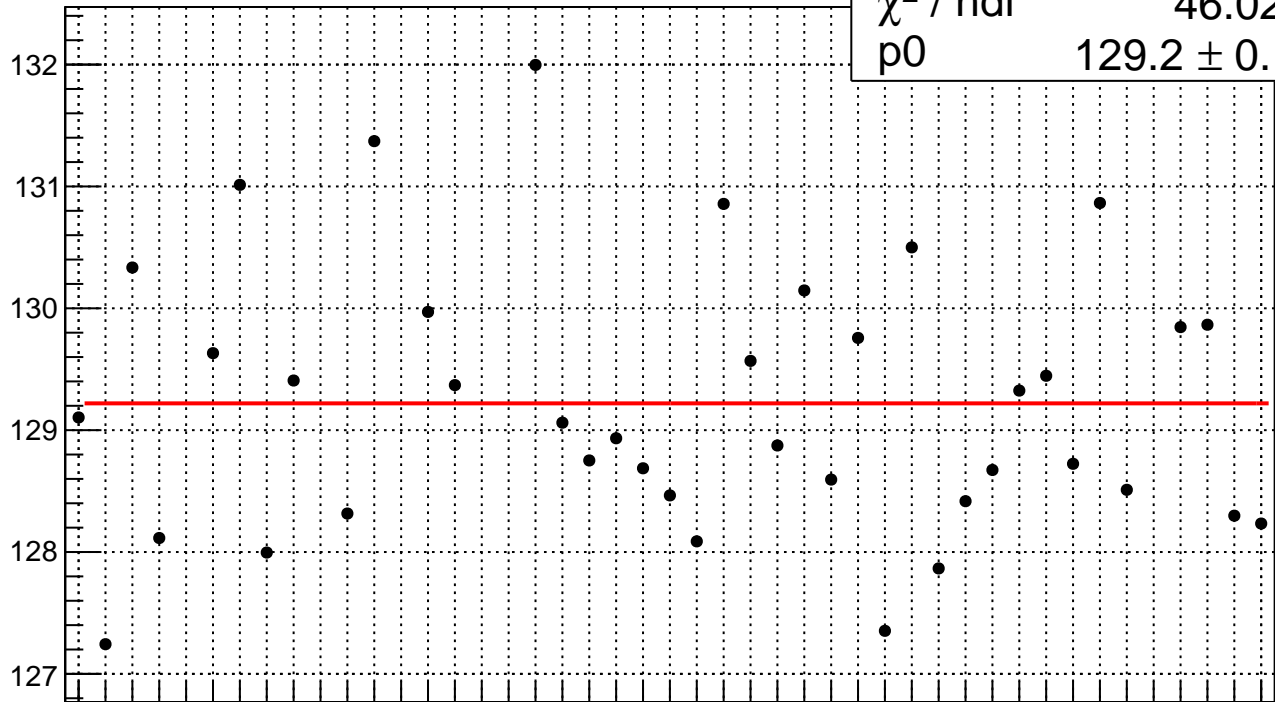


run.minirun

reg\_asym\_usr\_rms/ppm

$\chi^2 / \text{ndf}$  46.02 / 38  
p0 129.2  $\pm$  0.1762

reg\_asym\_usr\_rms/ppm



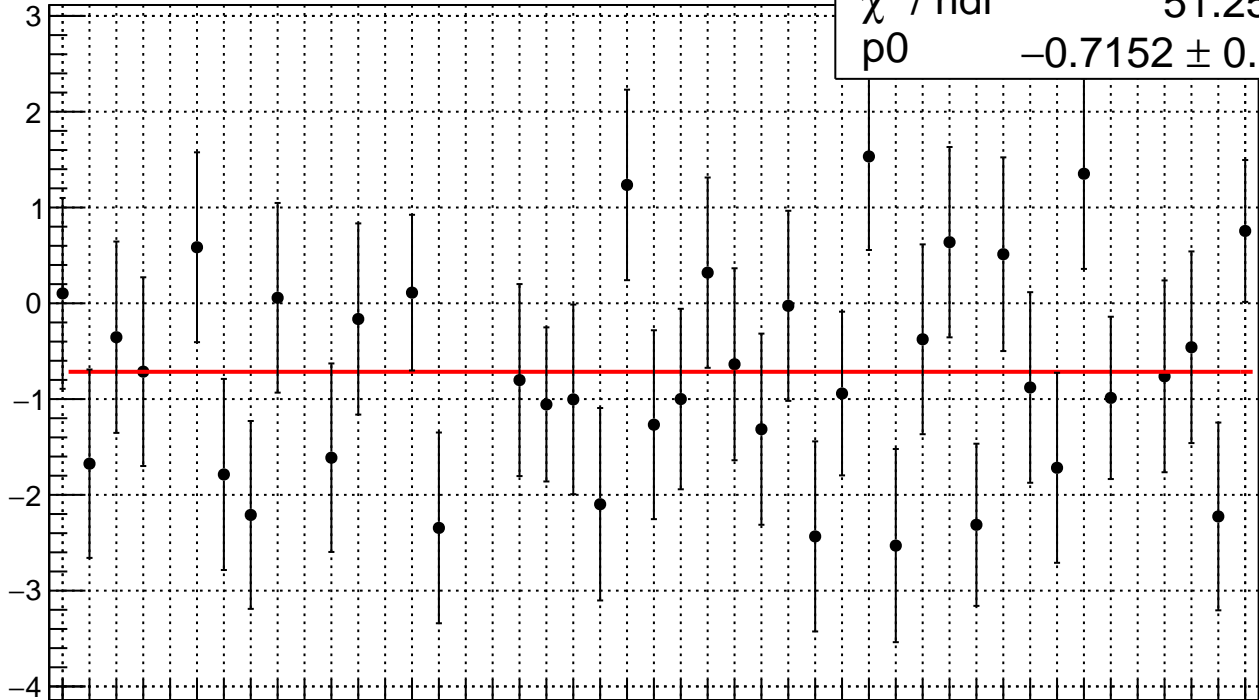
run.minirun



reg\_asym\_us\_avg\_mean/ppm

reg\_asym\_us\_avg\_mean/ppm

$\chi^2 / \text{ndf}$  51.25 / 38  
p0  $-0.7152 \pm 0.1532$

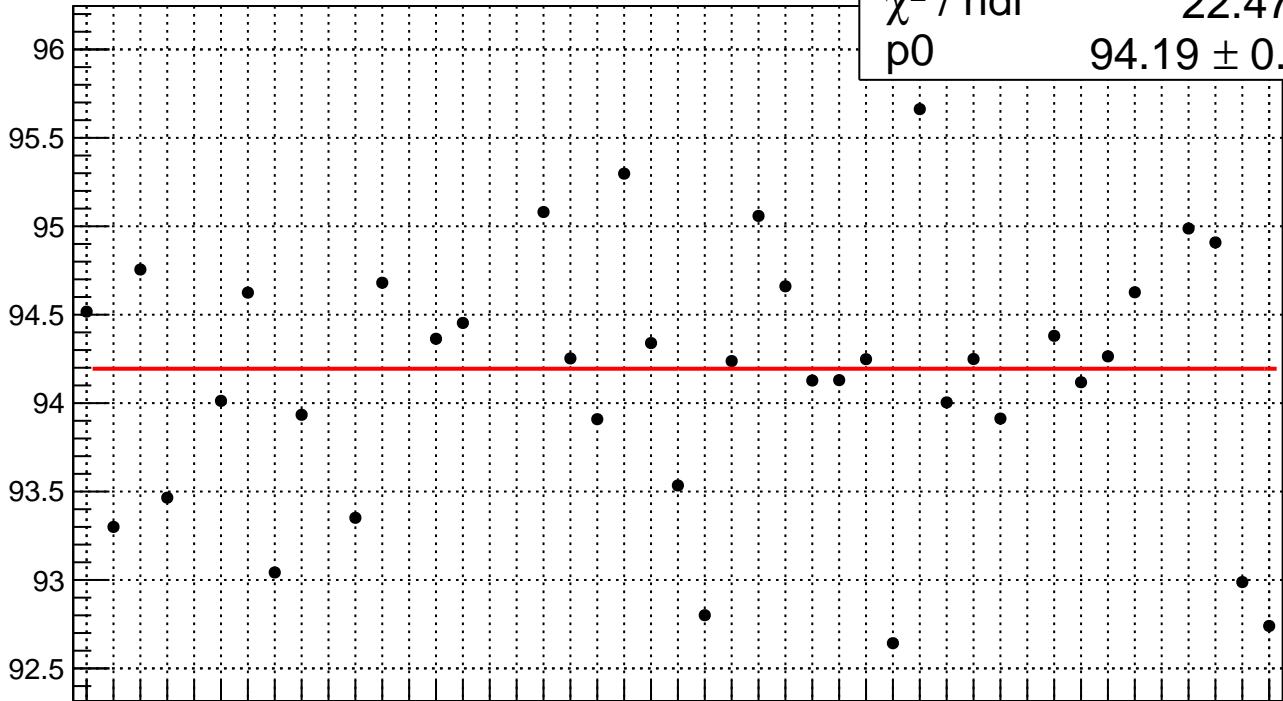


run.minirun

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

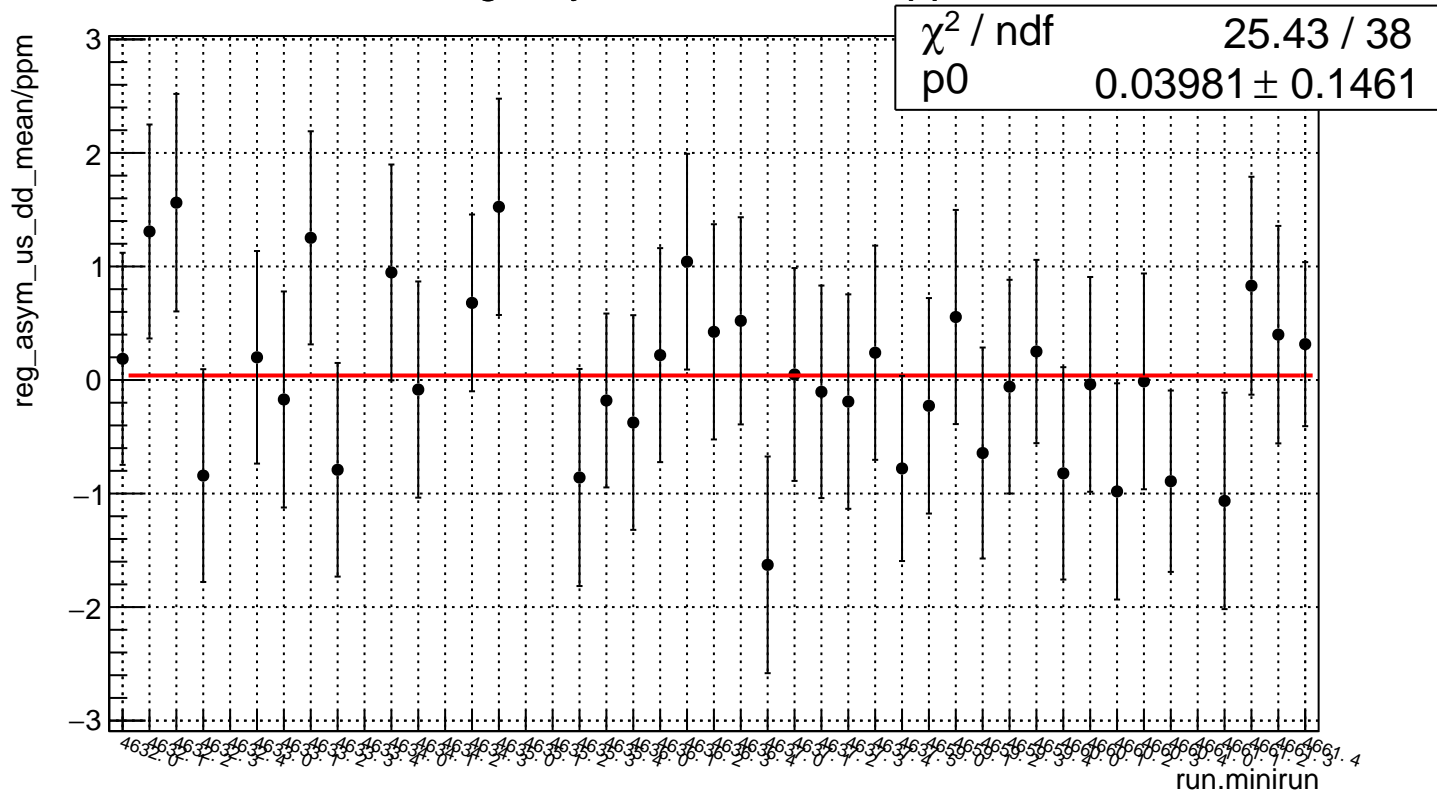
reg\_asym\_us\_avg\_rms/ppm

$\chi^2 / \text{ndf}$  22.47 / 38  
p0  $94.19 \pm 0.1231$



run.minirun

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



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

reg\_asym\_us\_dd\_rms/ppm

