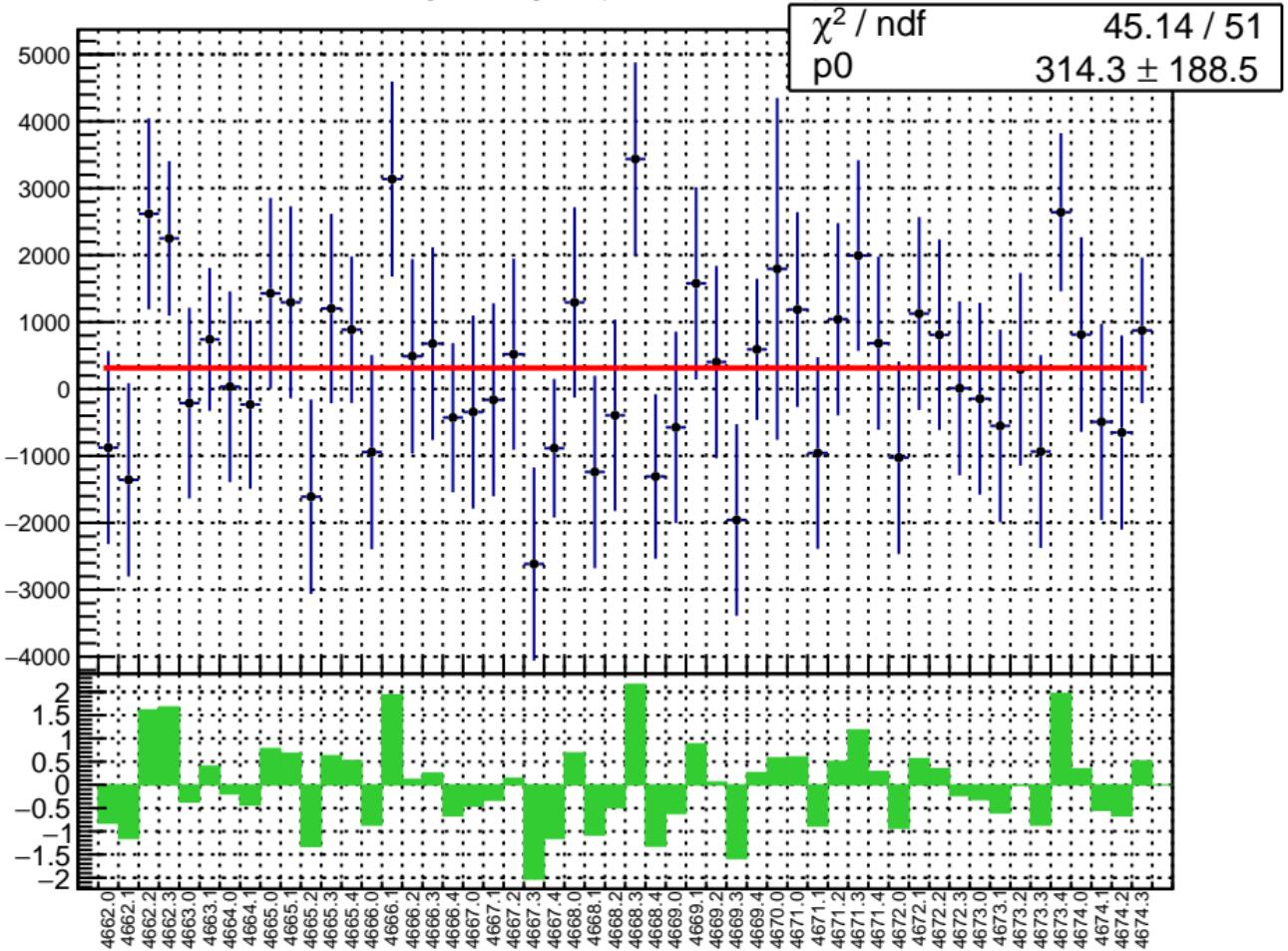
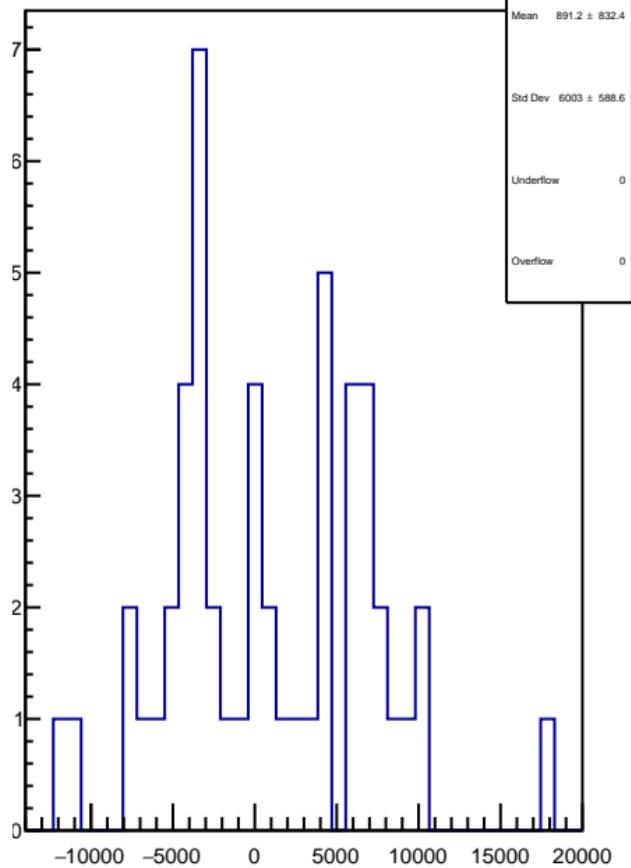
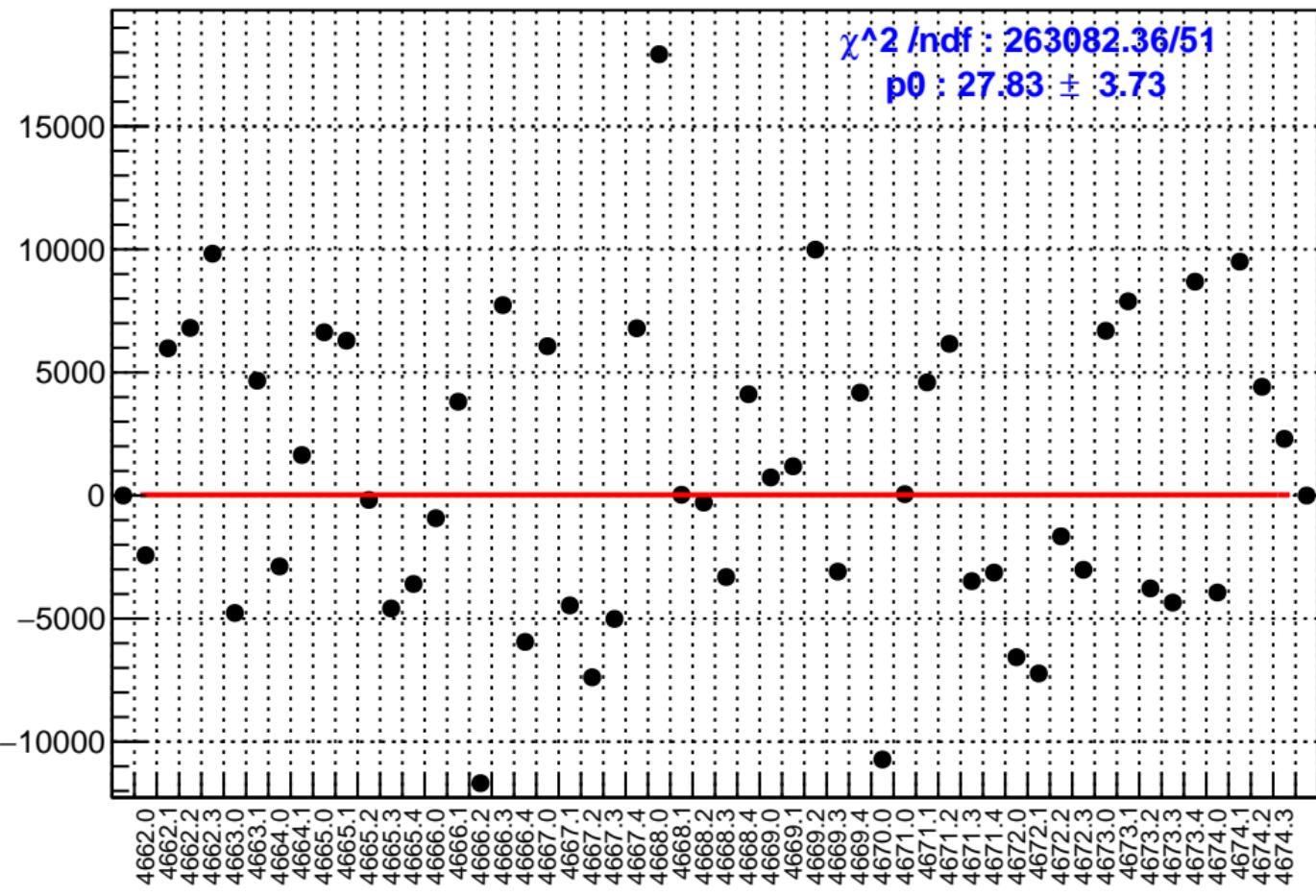


slug73: reg_asym_usl.mean/ppb

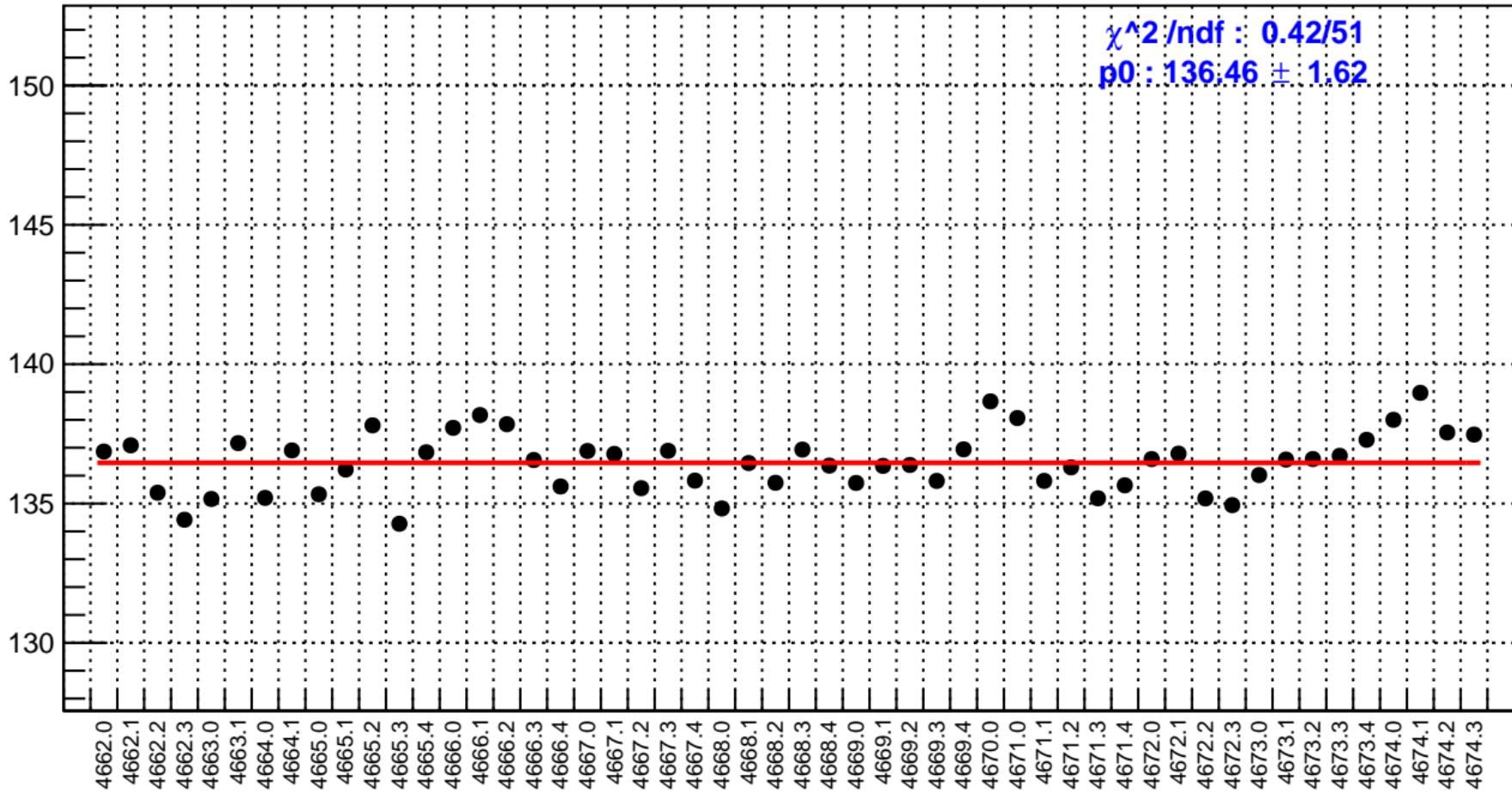


slug73: asym_usl.mean/ppb-reg_asym_usl.mean/ppb

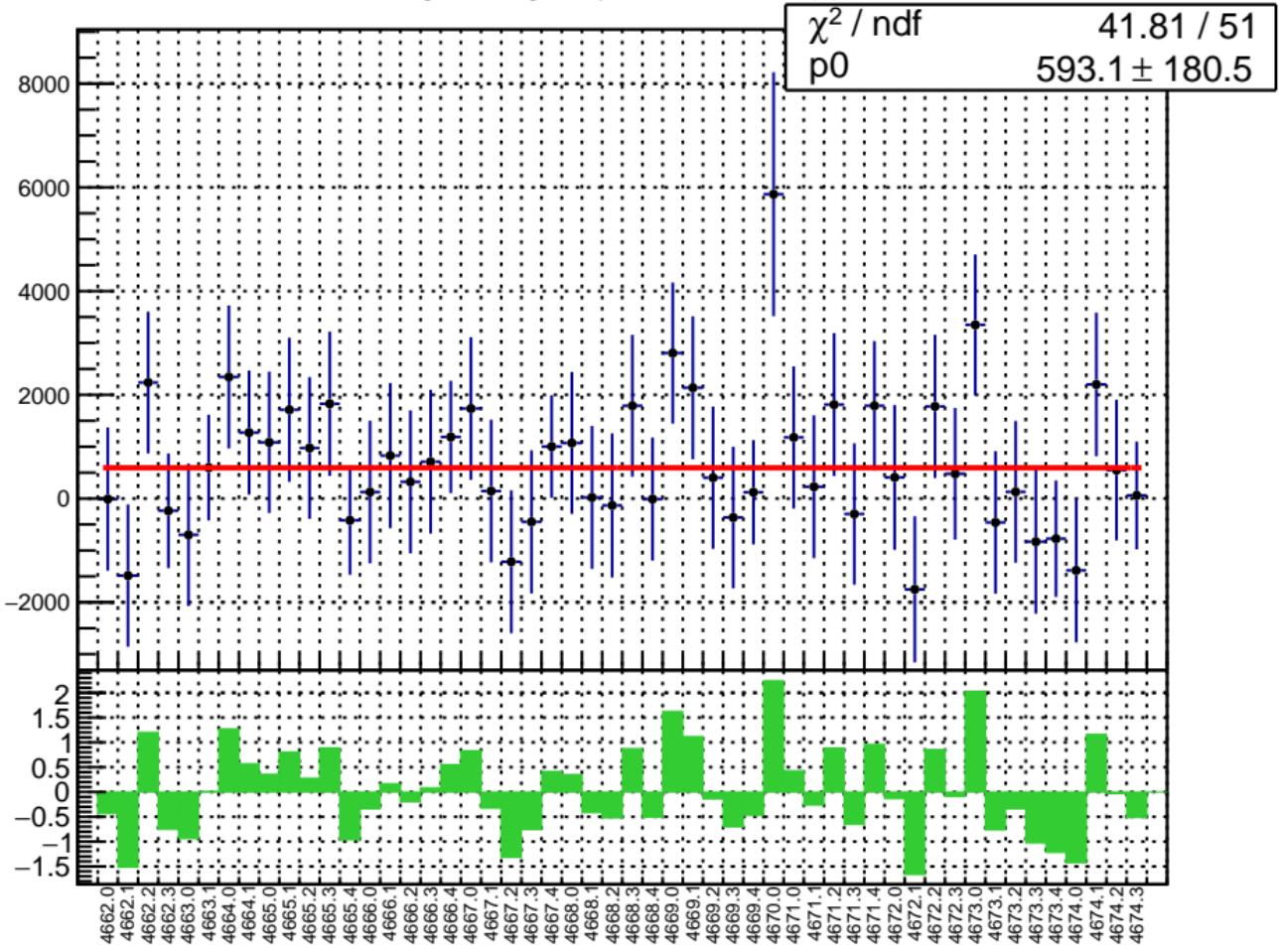
slug73: 1D Corr asym_usl.mean/ppb-reg_asym_usl.mean/ppb



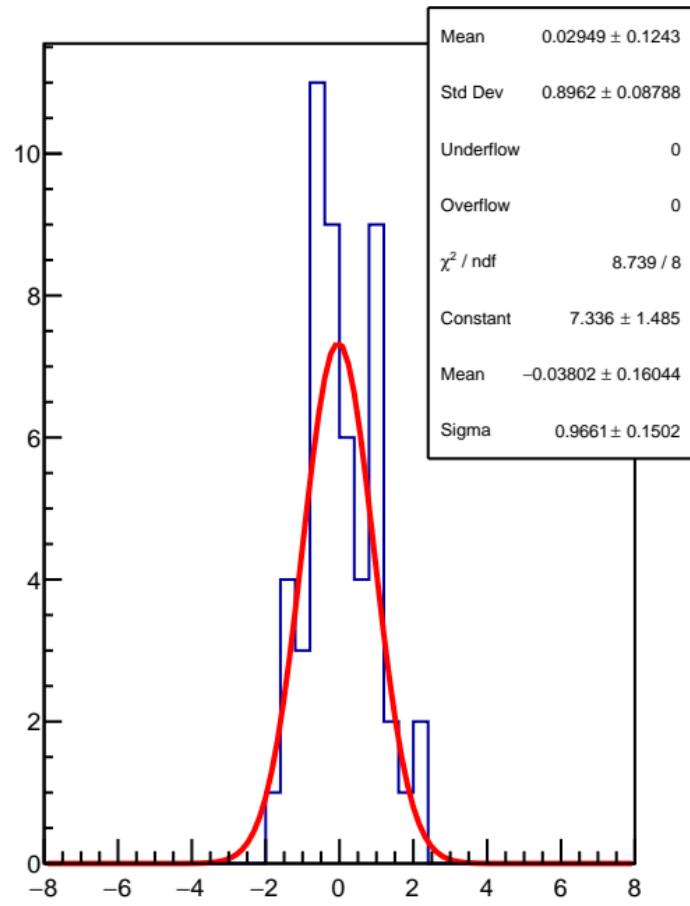
slug73: reg_asym_usl.rms/ppm



slug73: reg_asym_usr.mean/ppb

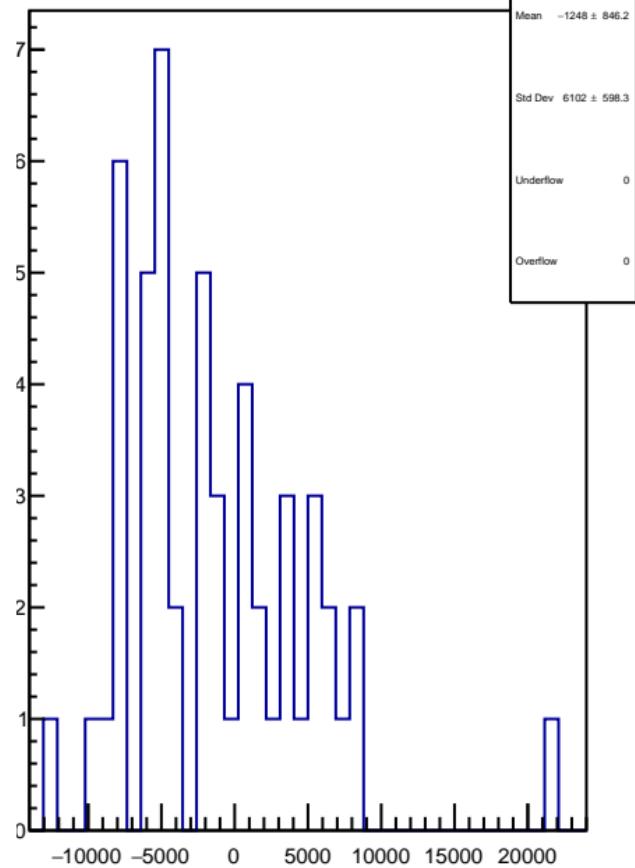
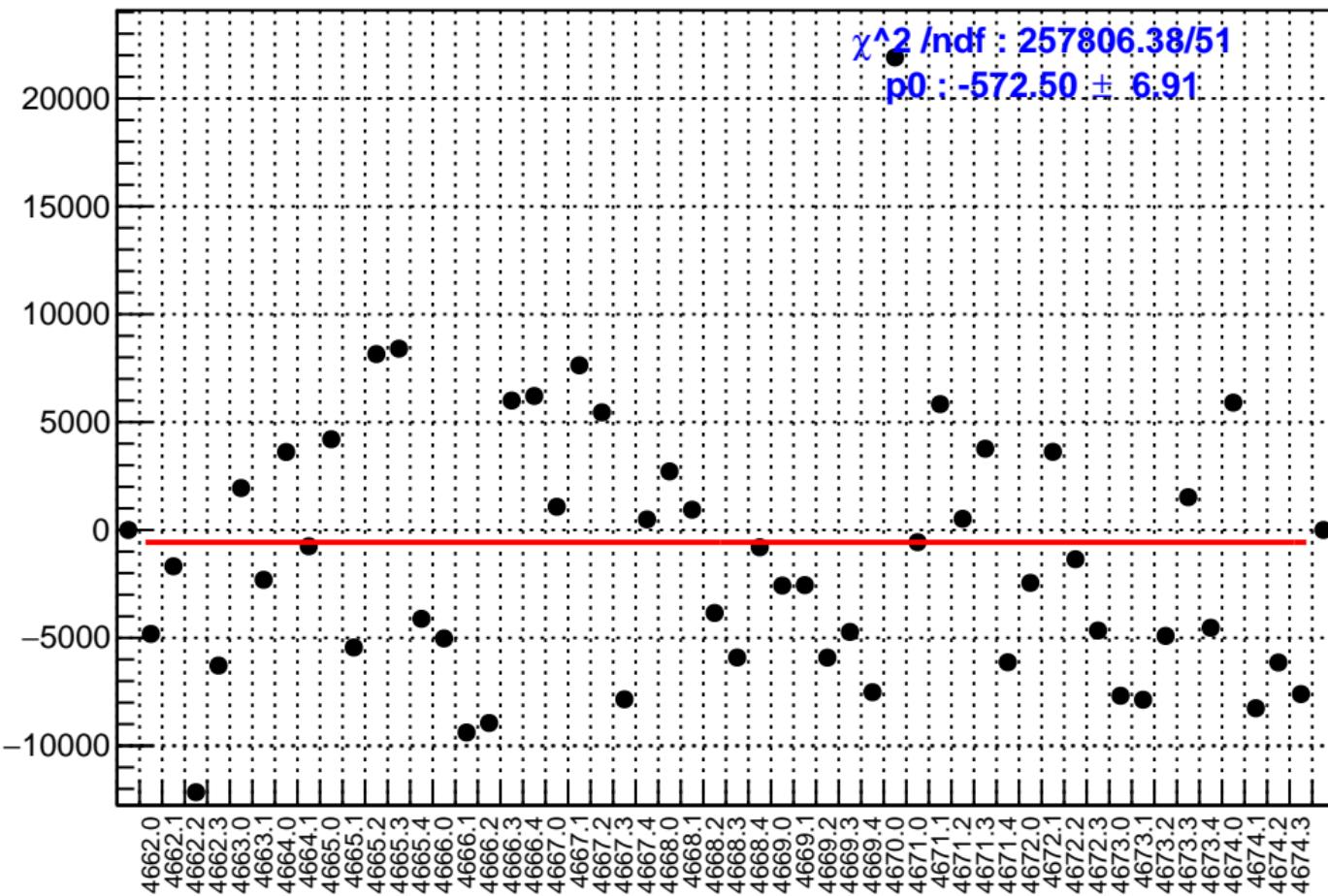


1D pull distribution

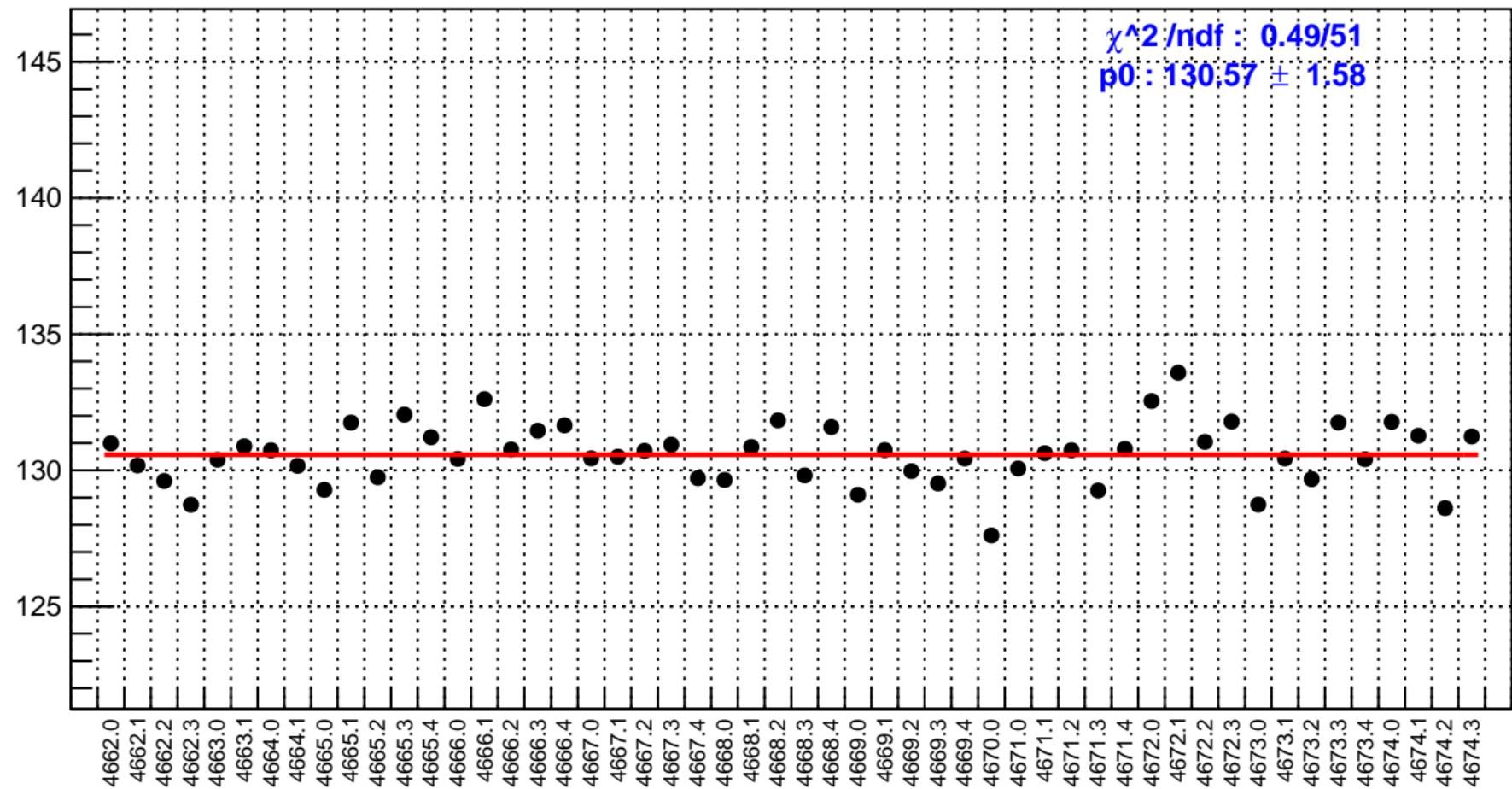


slug73: asym_usr.mean/ppb-reg_asym_usr.mean/ppb

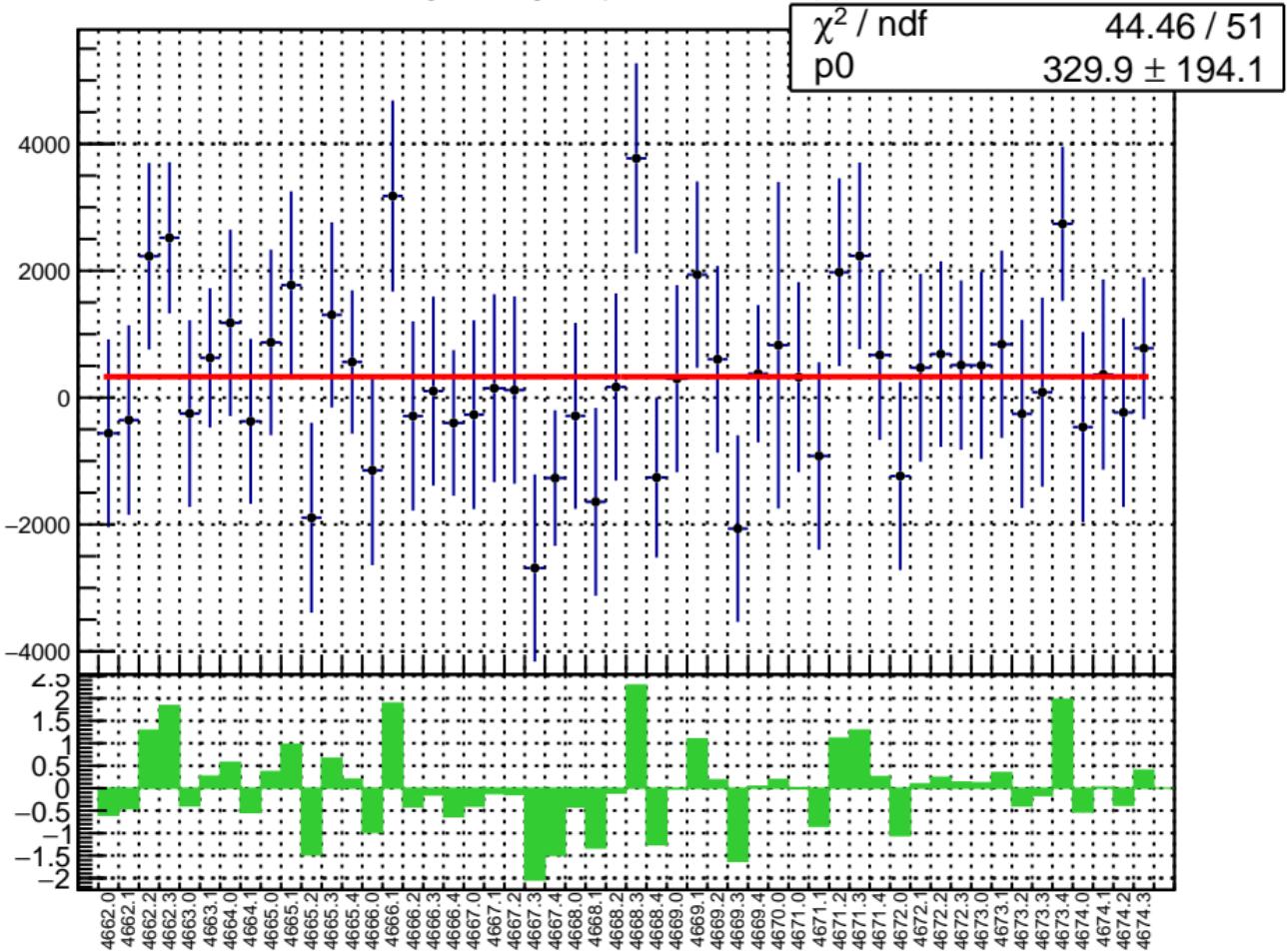
slug73: 1D Corr asym_usr.mean/ppb-reg_asym_usr.mean/ppb



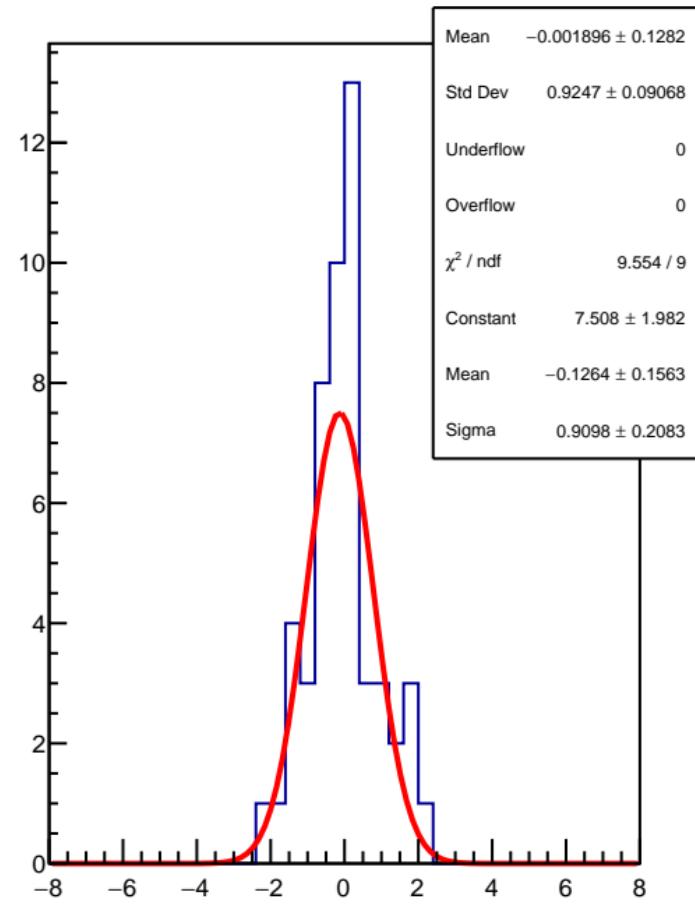
slug73: reg_asym_usr.rms/ppm



slug73: reg_asym_dsl.mean/ppb

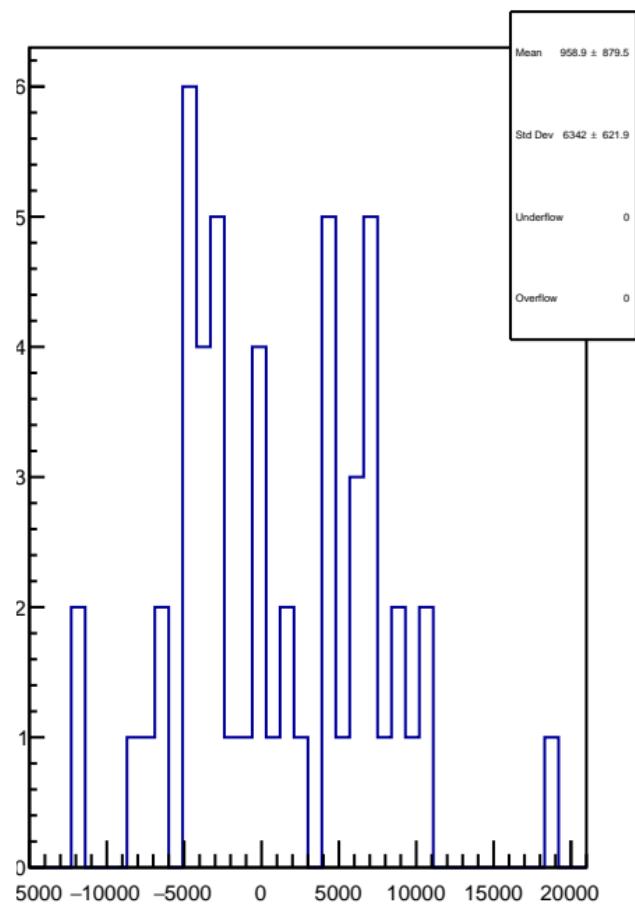
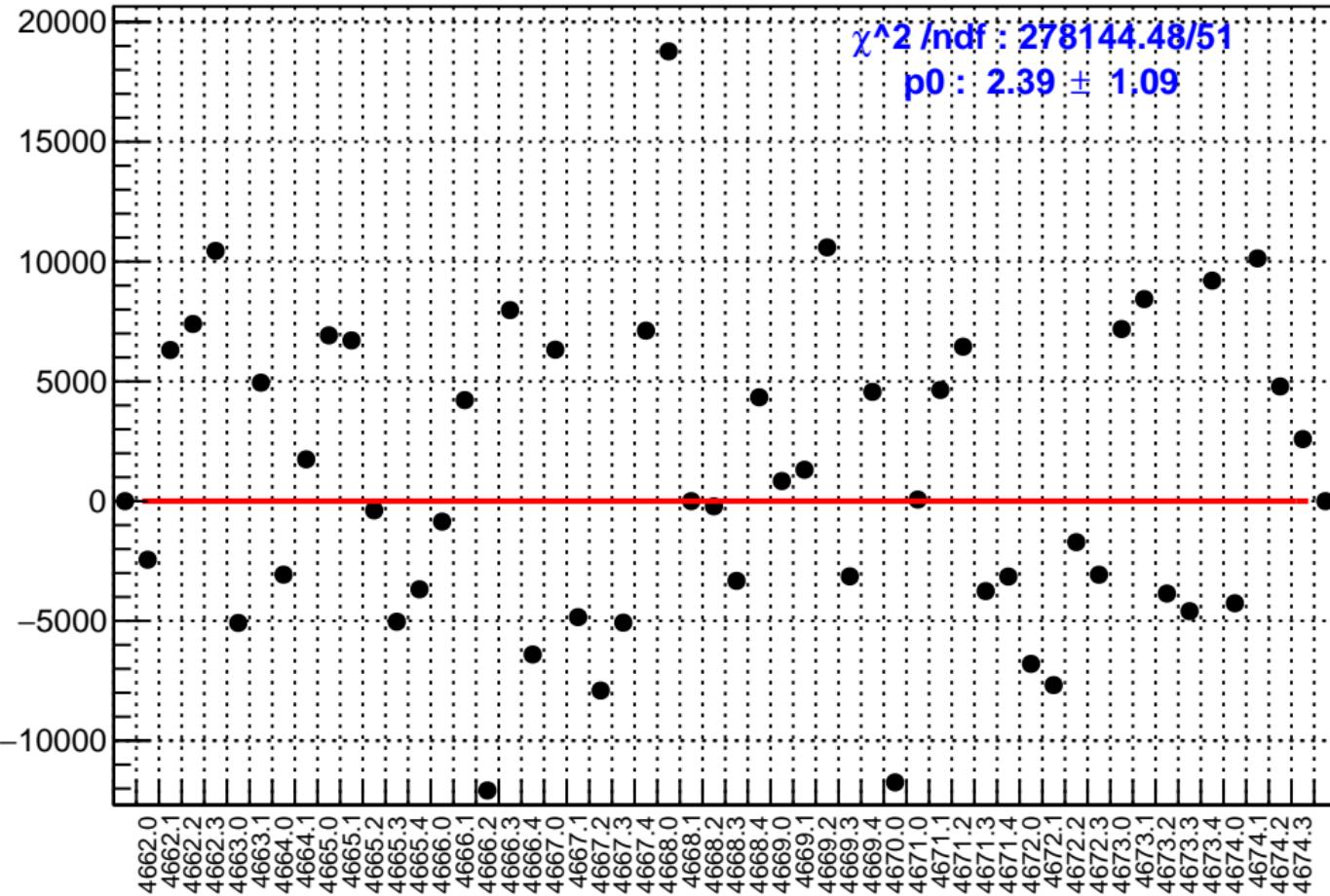


1D pull distribution



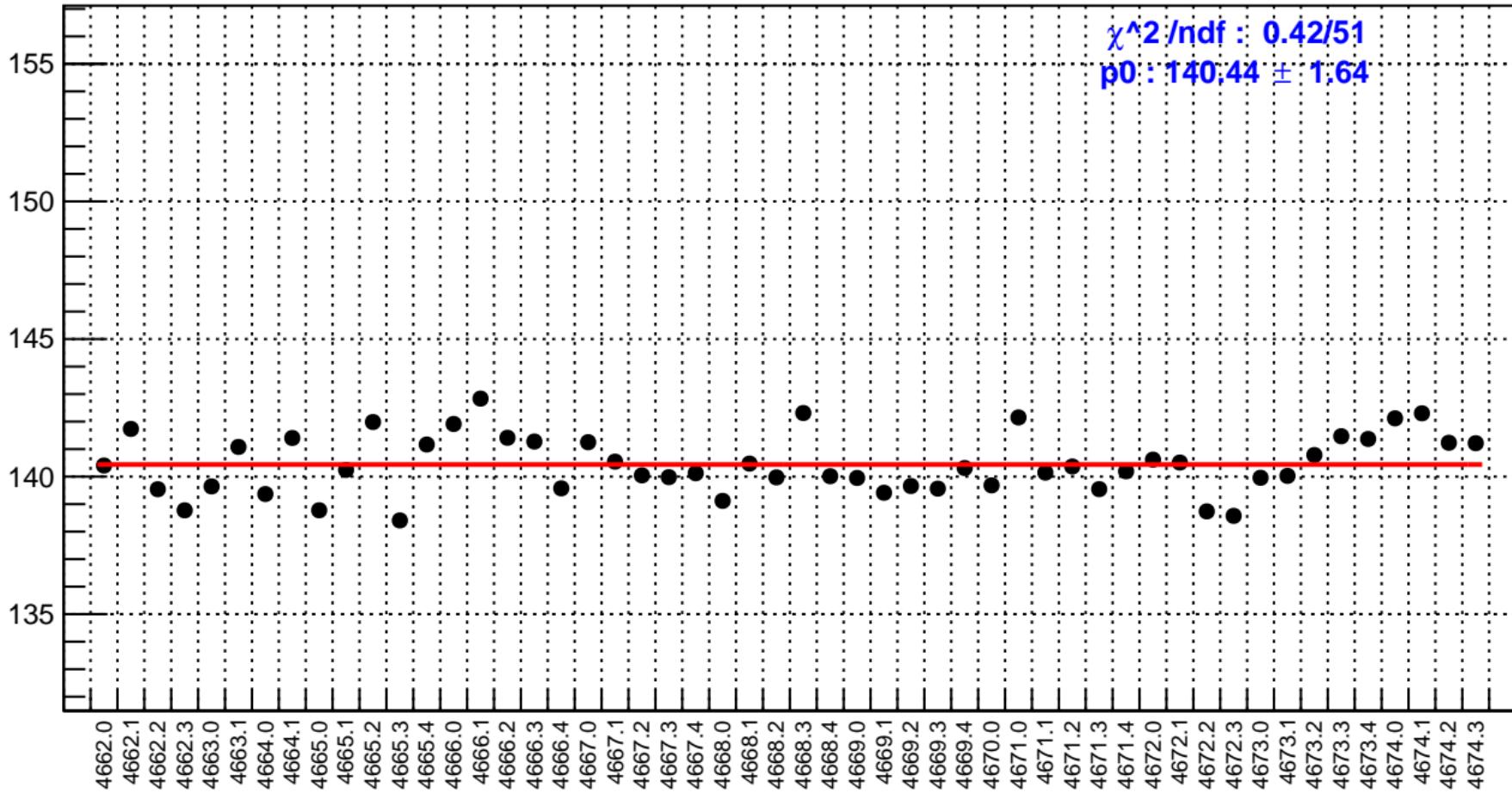
slug73: asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb

slug73: 1D Corr asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb

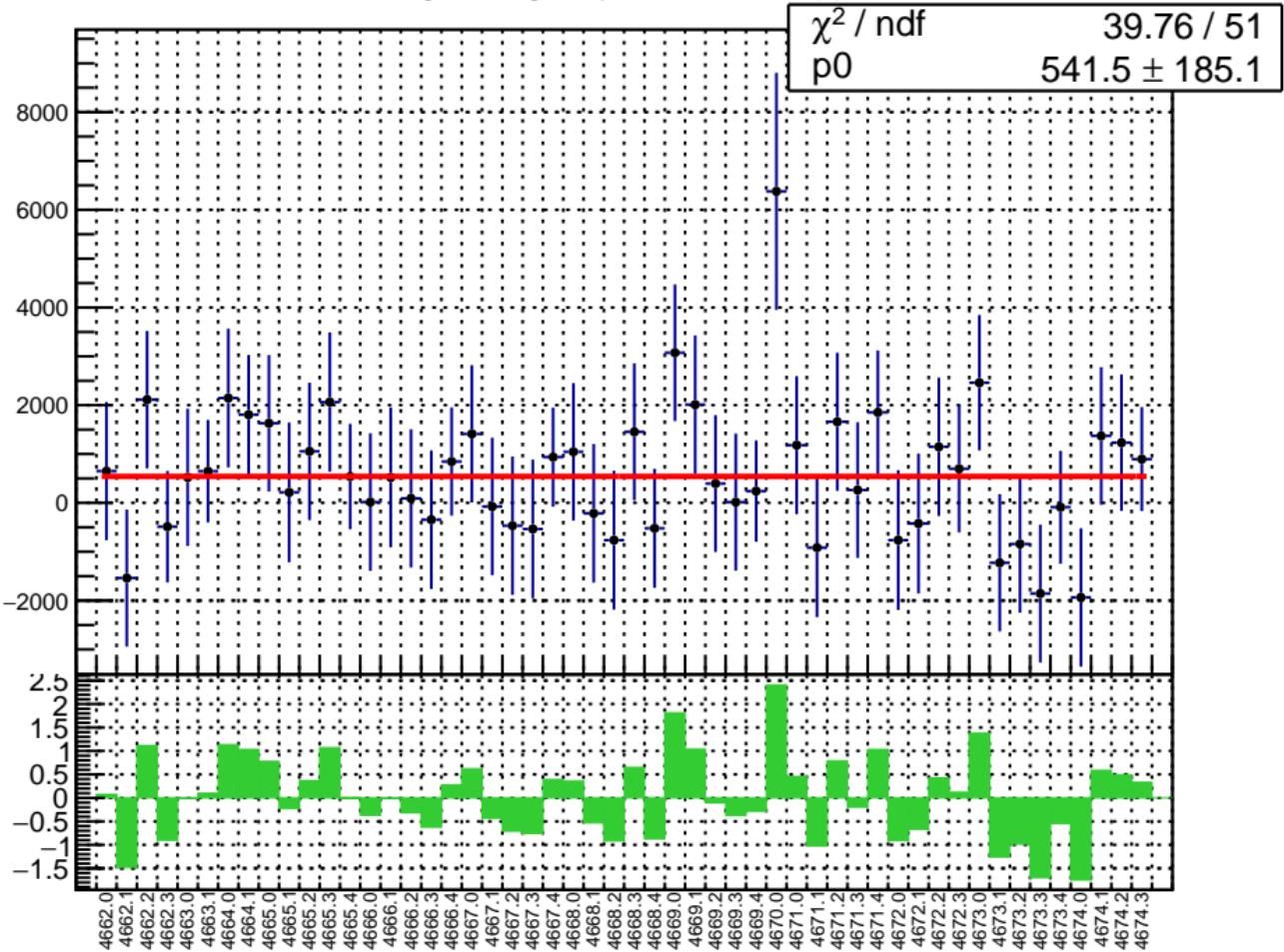


slug73: reg_asym_dsl.rms/ppm

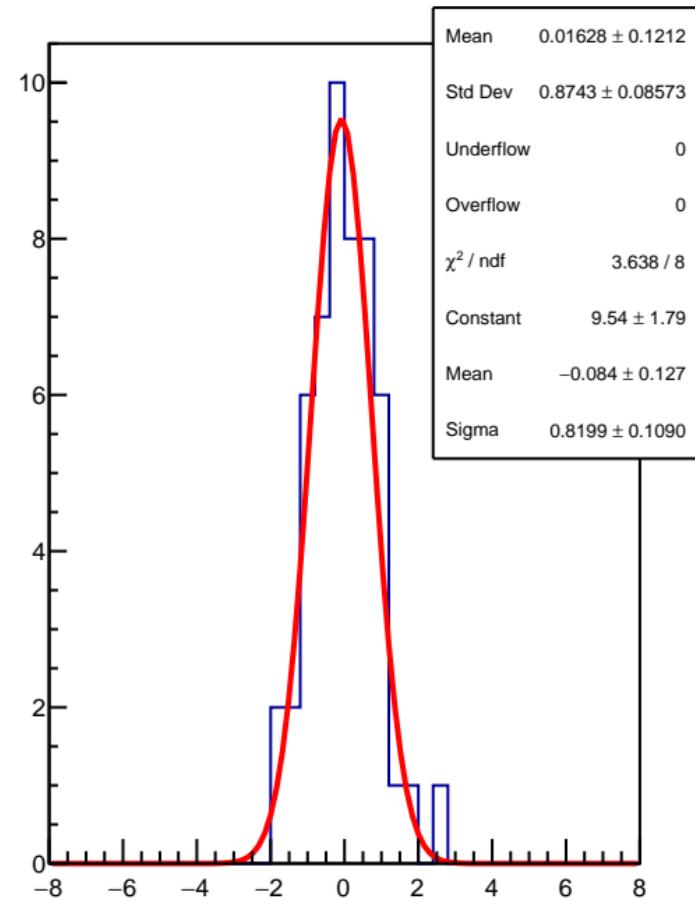
$\chi^2/\text{ndf} : 0.42/51$
 $p_0 : 140.44 \pm 1.64$



slug73: reg_asym_dsr.mean/ppb

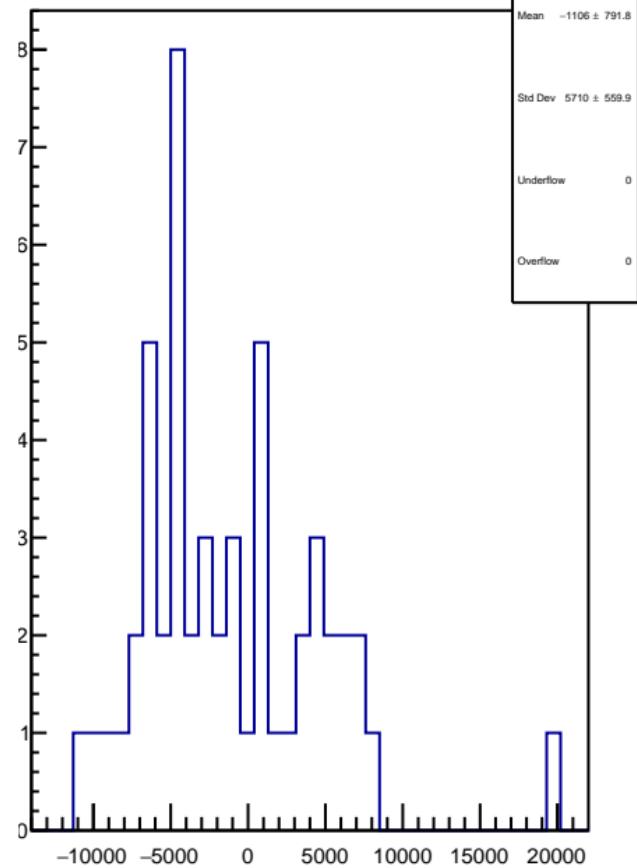
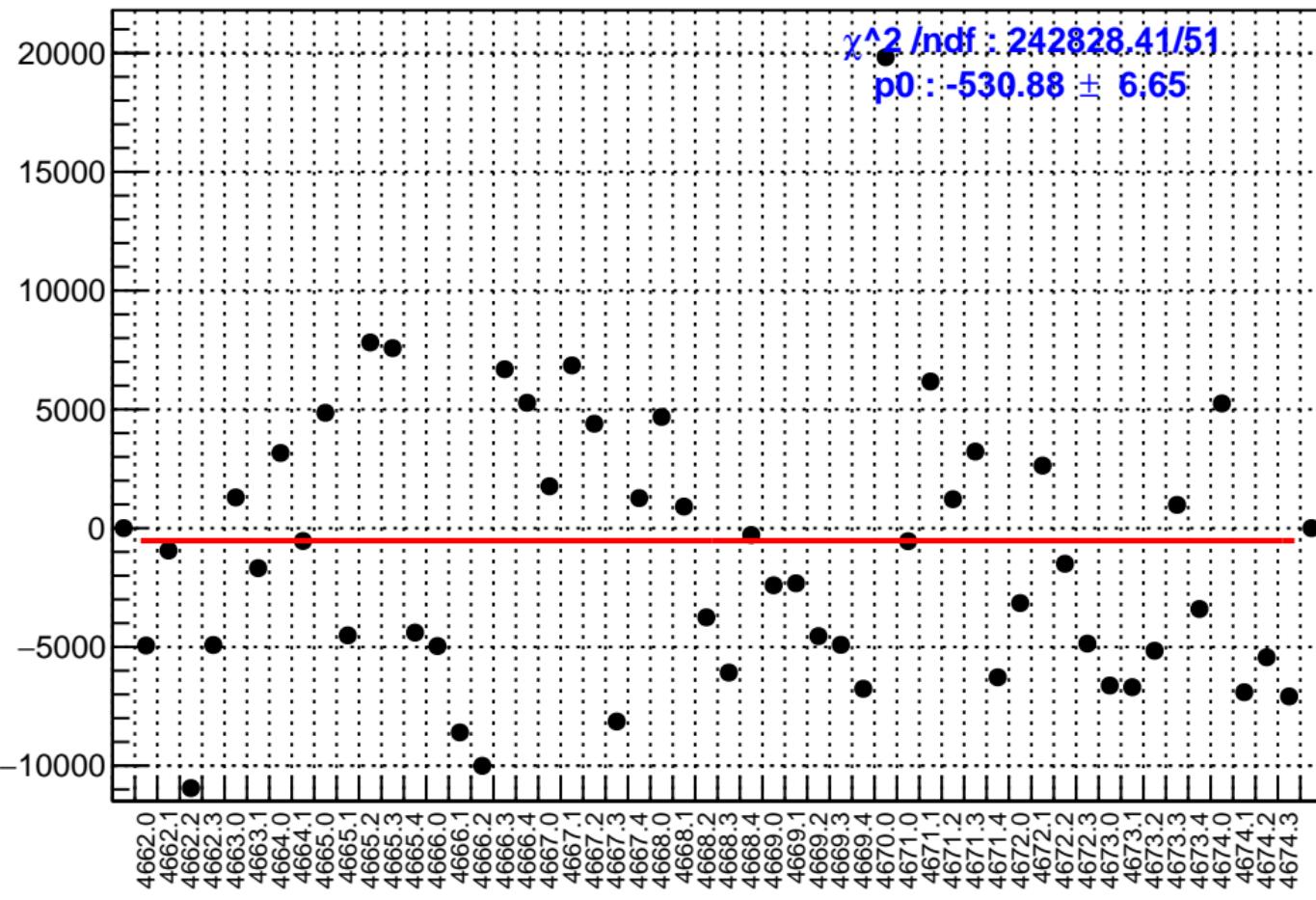


1D pull distribution

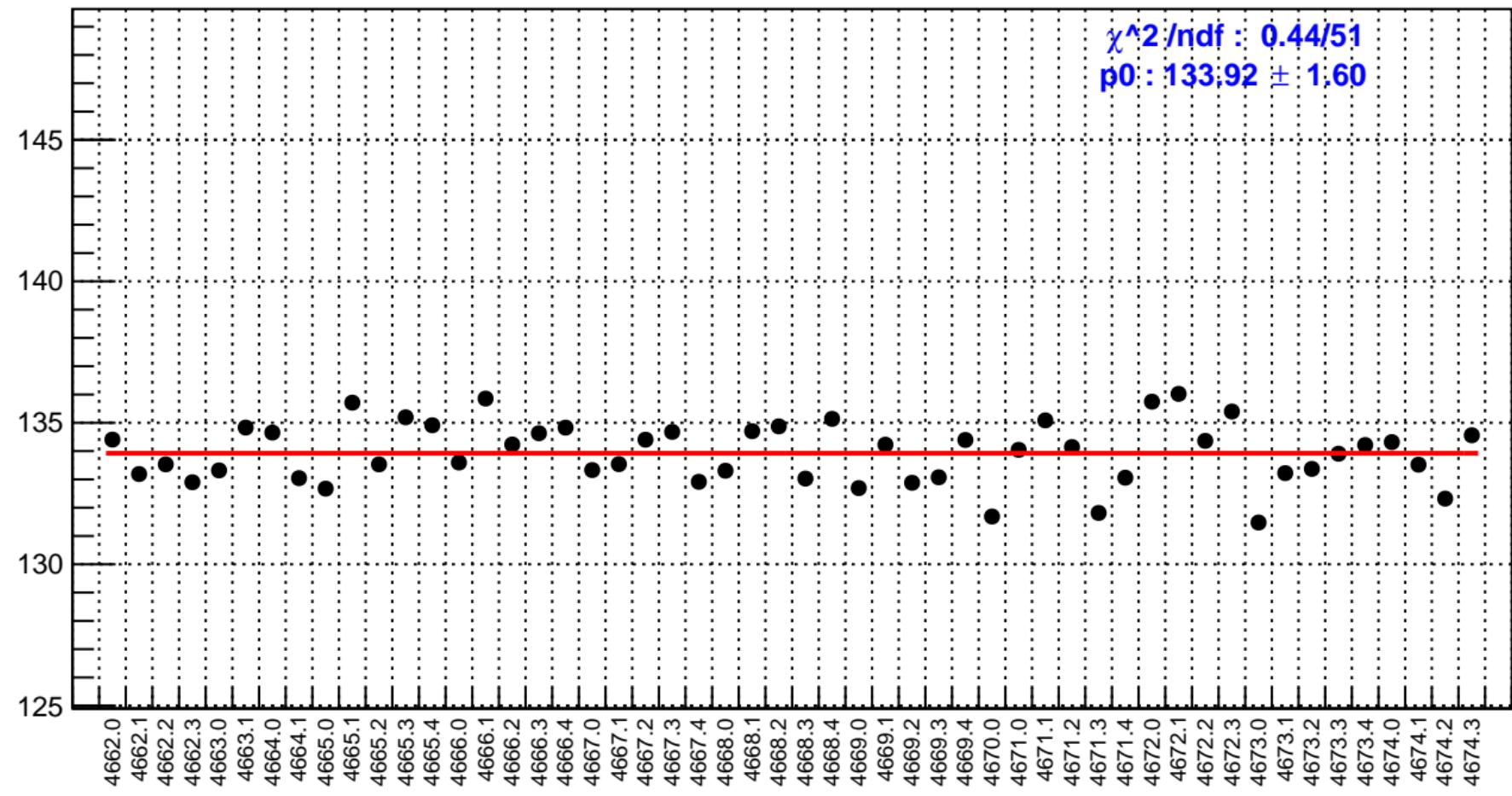


slug73: asym_dsr.mean/ppb-reg_asym_dsr.mean/ppb

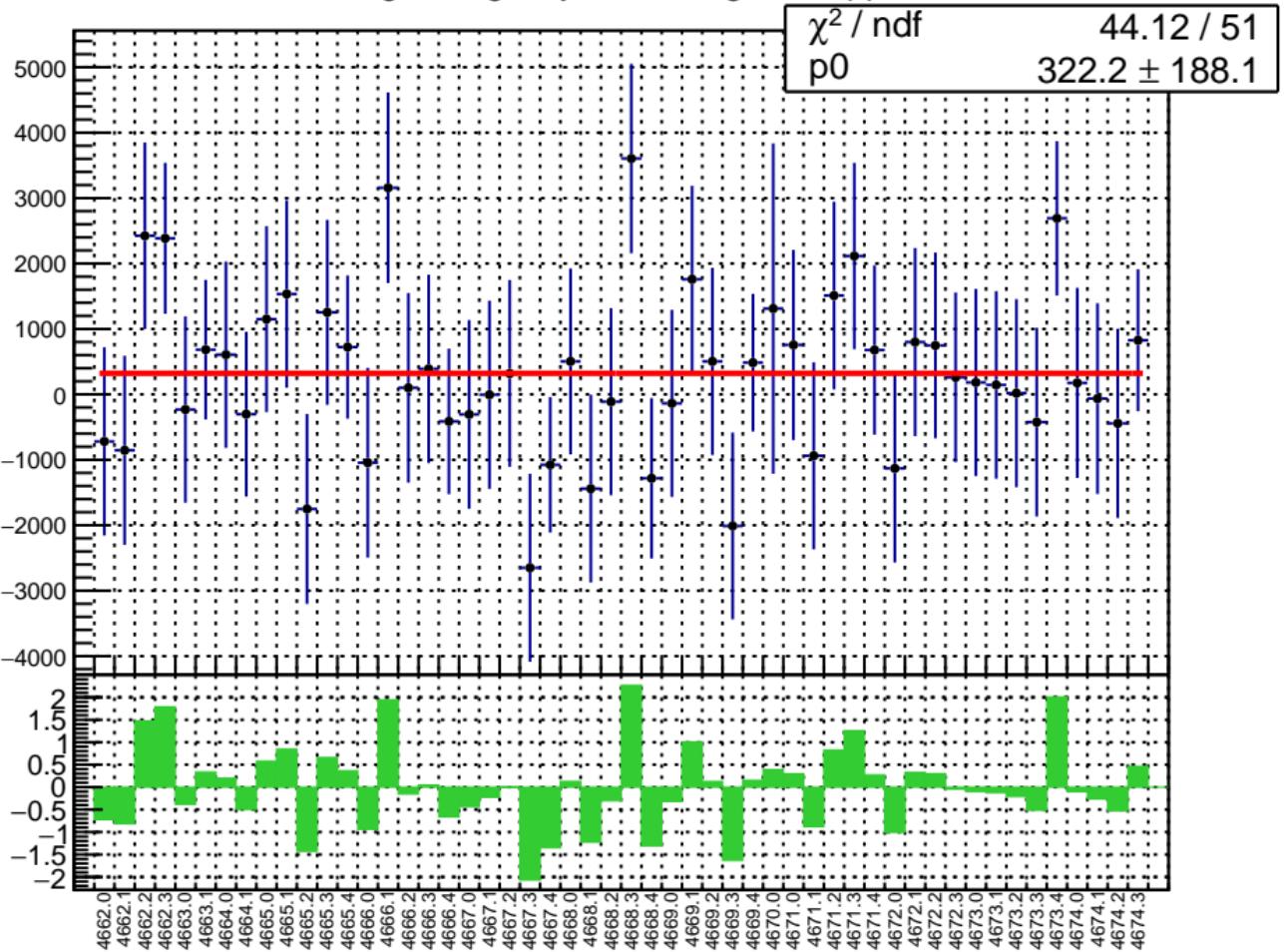
slug73: 1D Corr asym_dsr.mean/ppb-reg_asym_dsr.mean/ppb



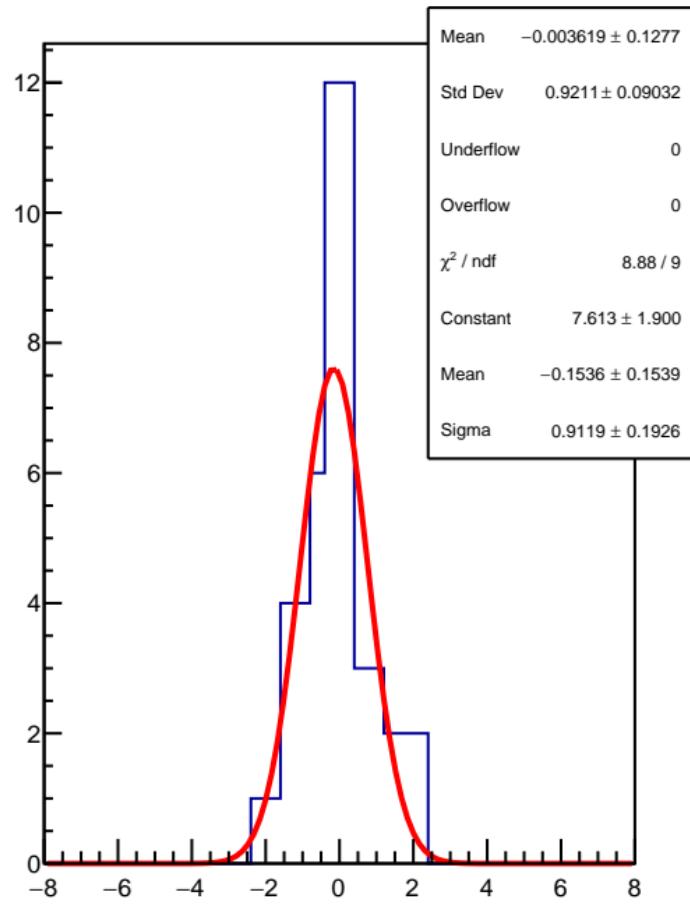
slug73: reg_asym_dsr.rms/ppm



slug73: reg_asym_left_avg.mean/ppb

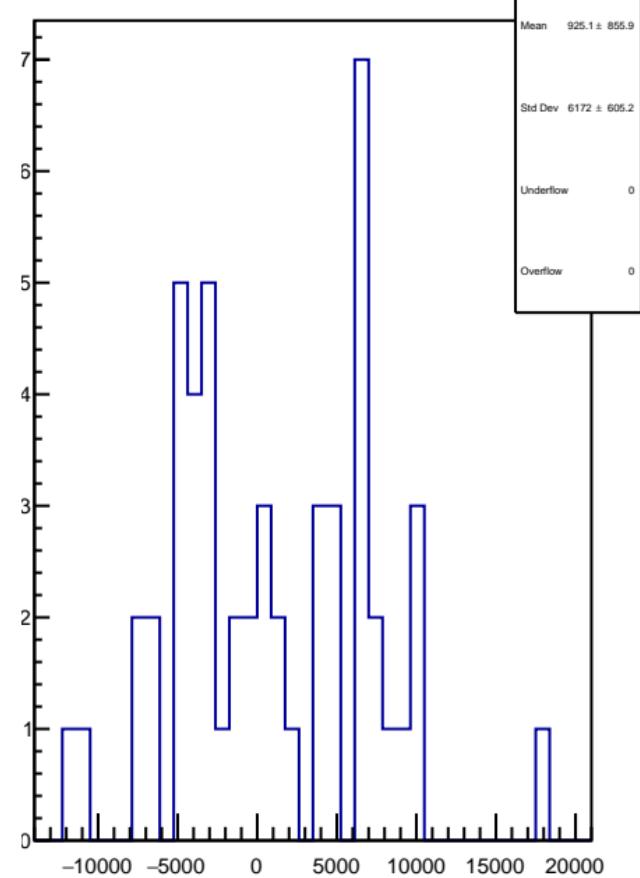
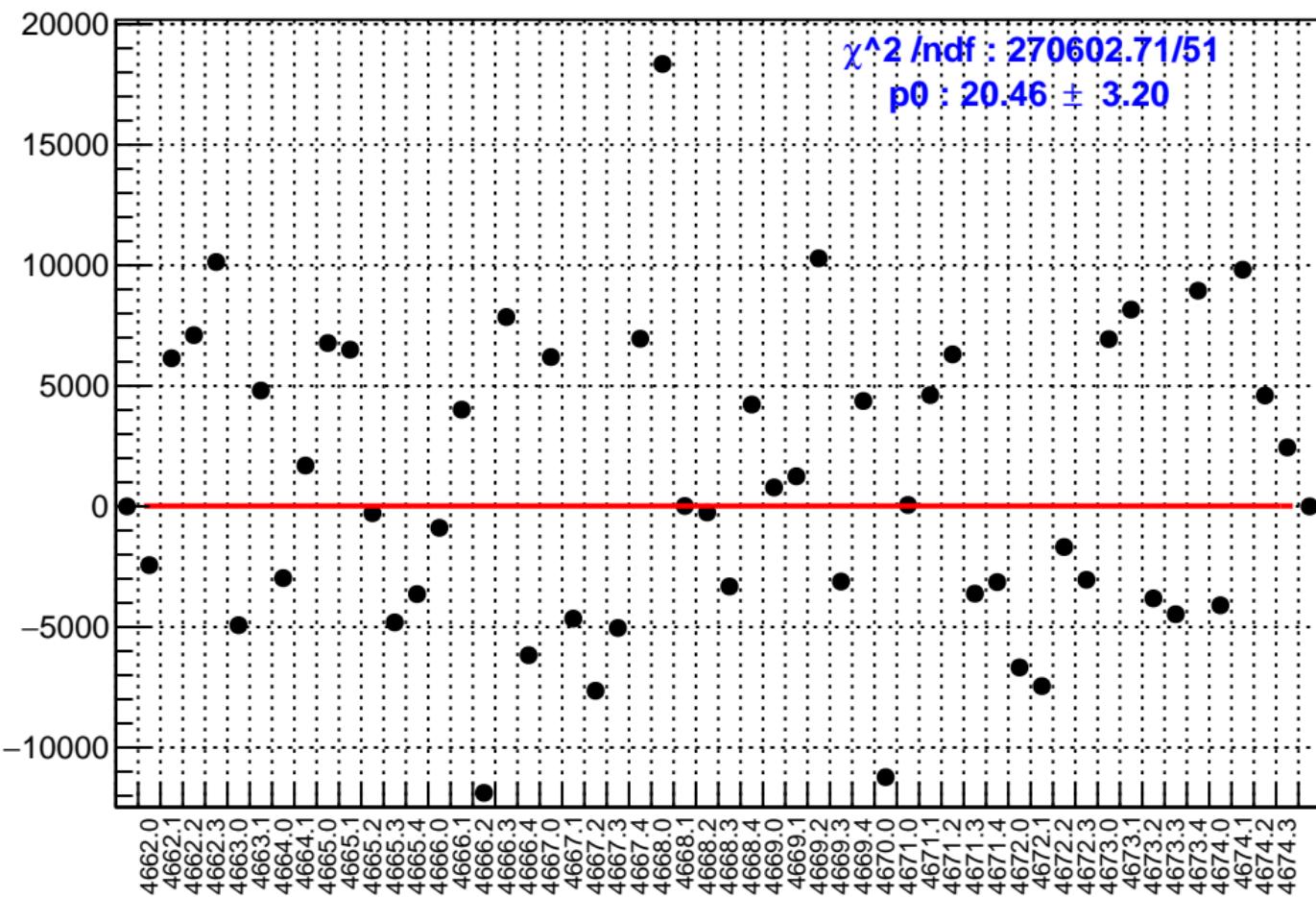


1D pull distribution

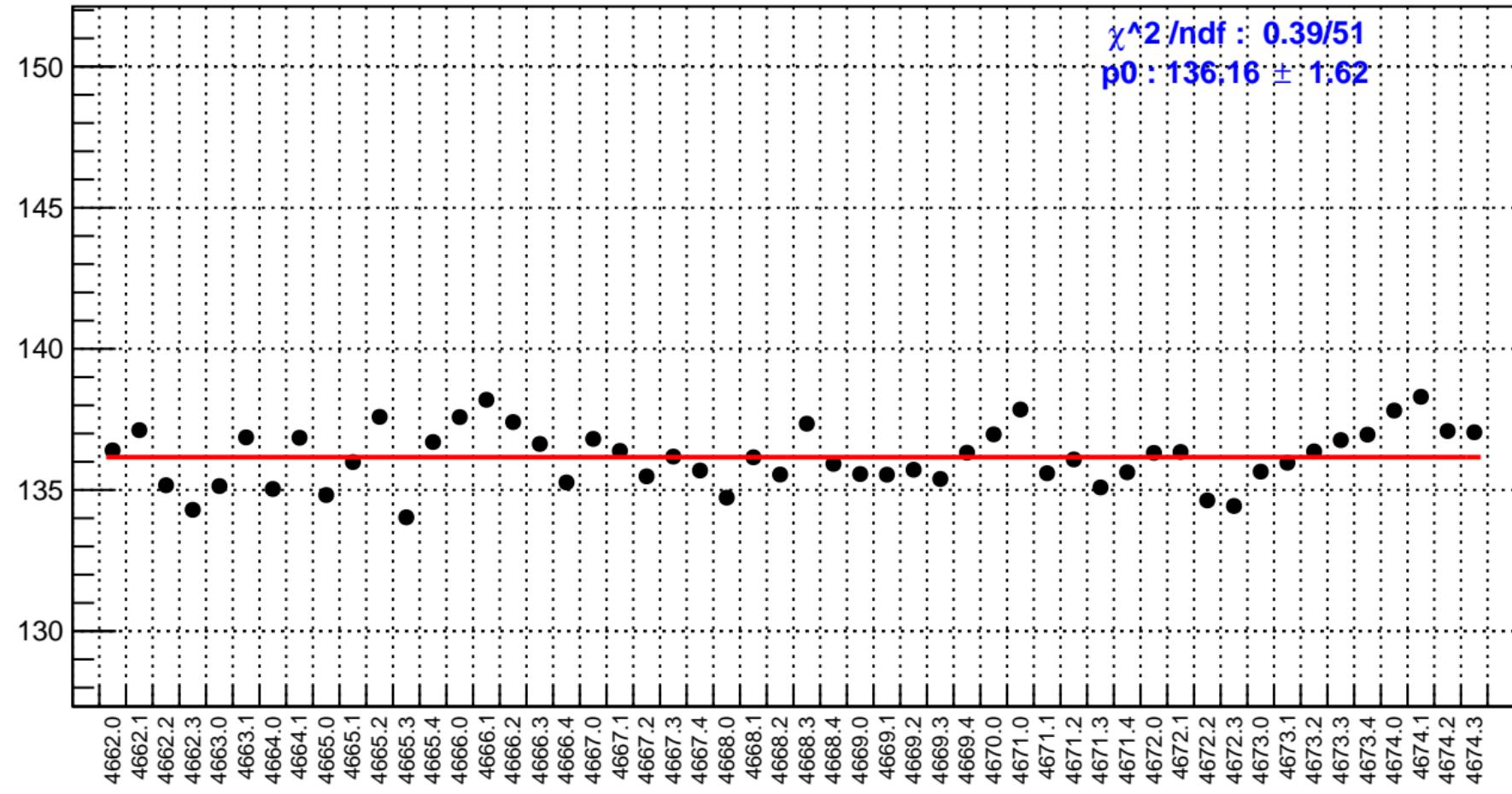


slug73: asym_left_avg.mean/ppb-reg_asym_left_avg.mean/ppb

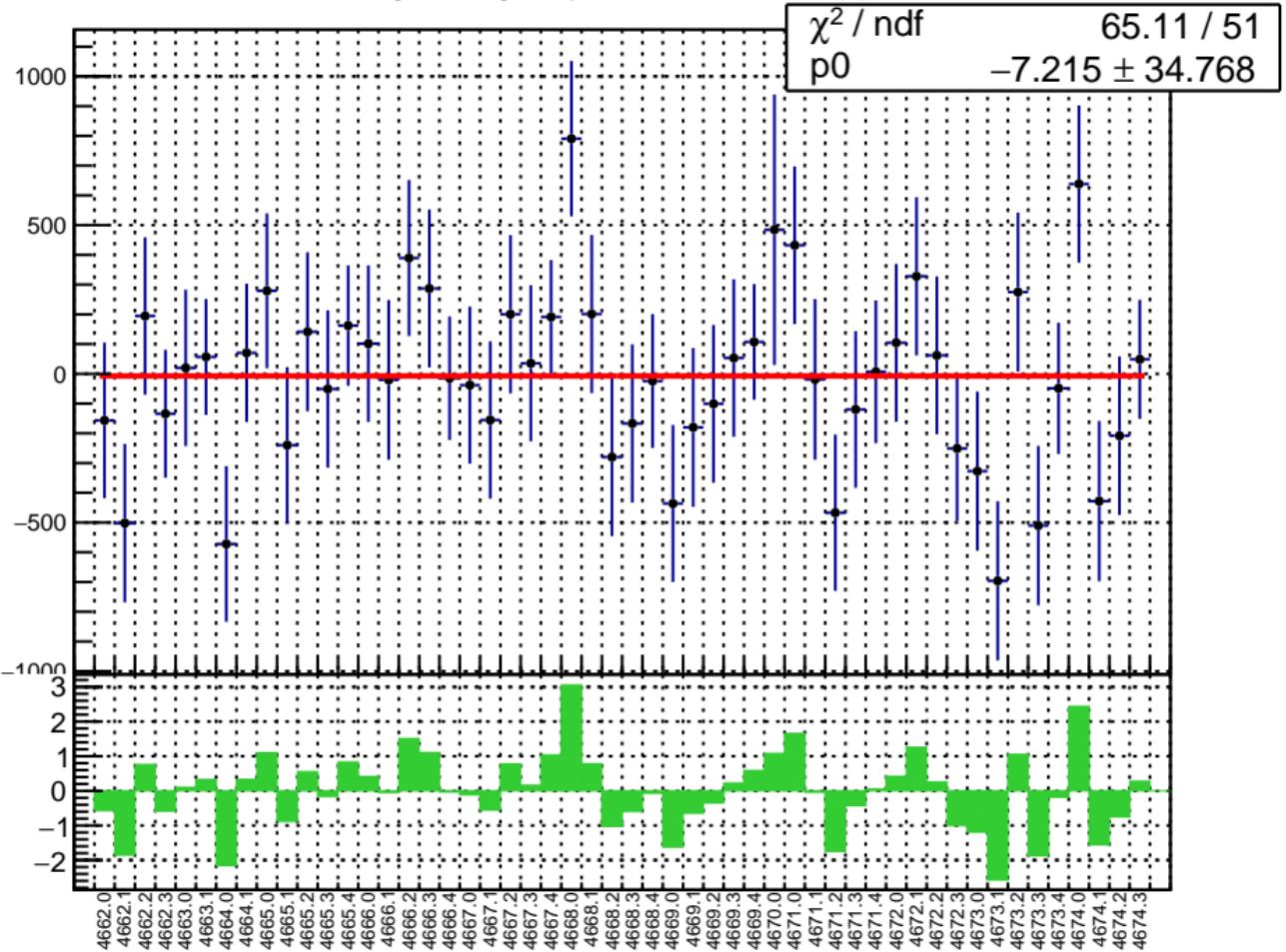
slug73: 1D Corr asym_left_avg.mean/ppb-reg_asym_left_avg.mean/ppb



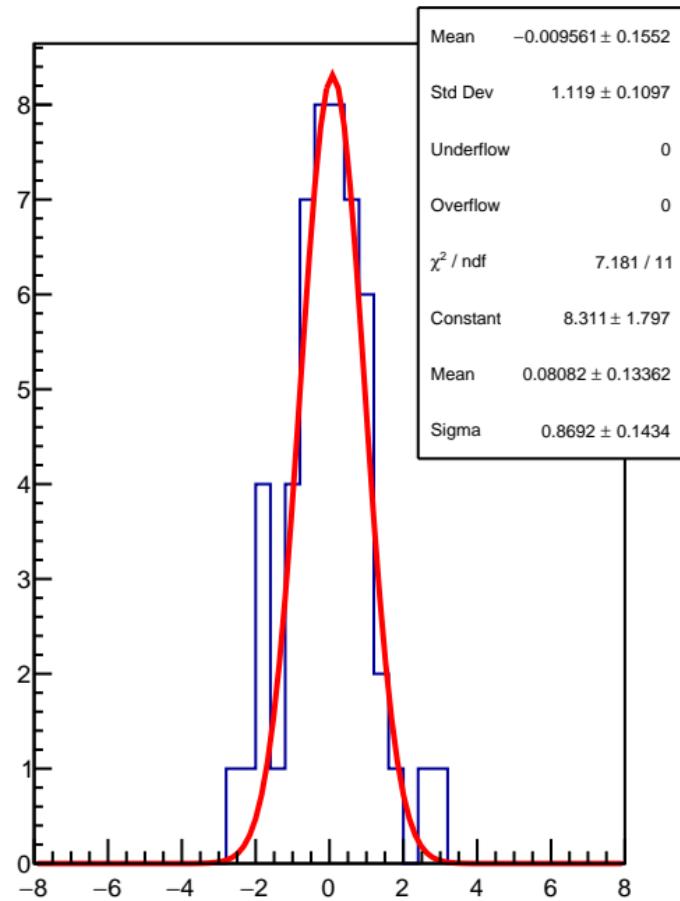
slug73: reg_asym_left_avg.rms/ppm

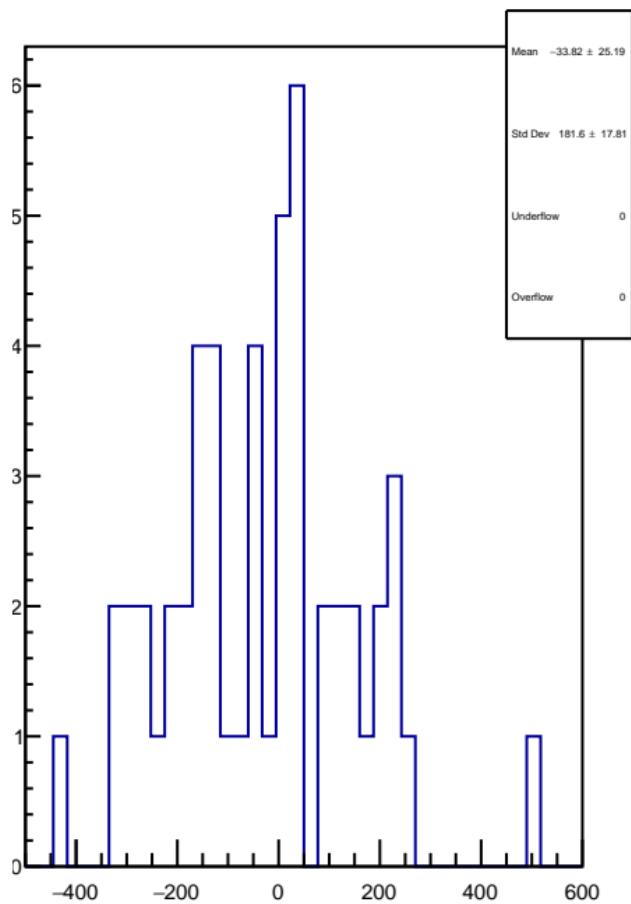
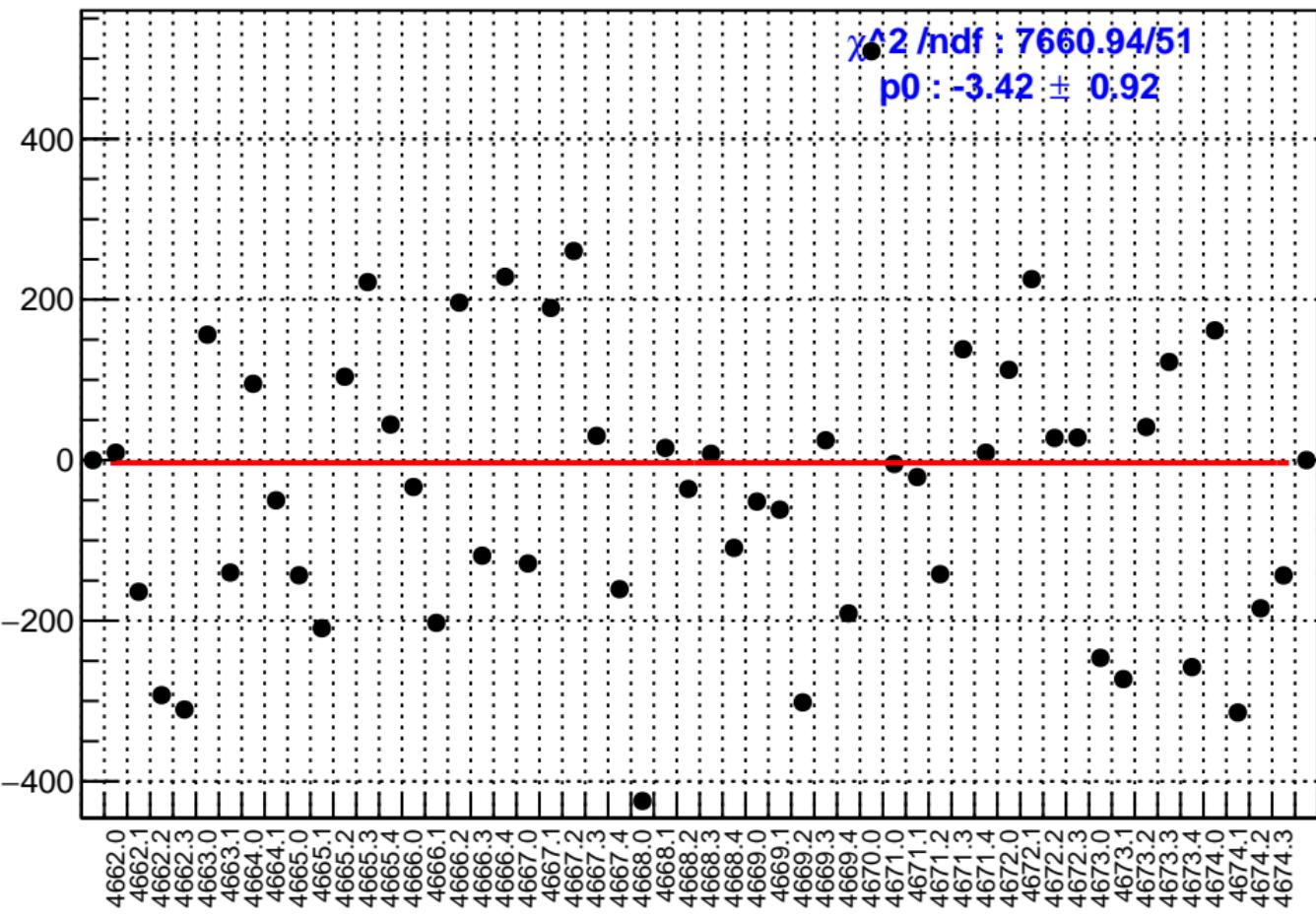


slug73: reg_asym_left_dd.mean/ppb

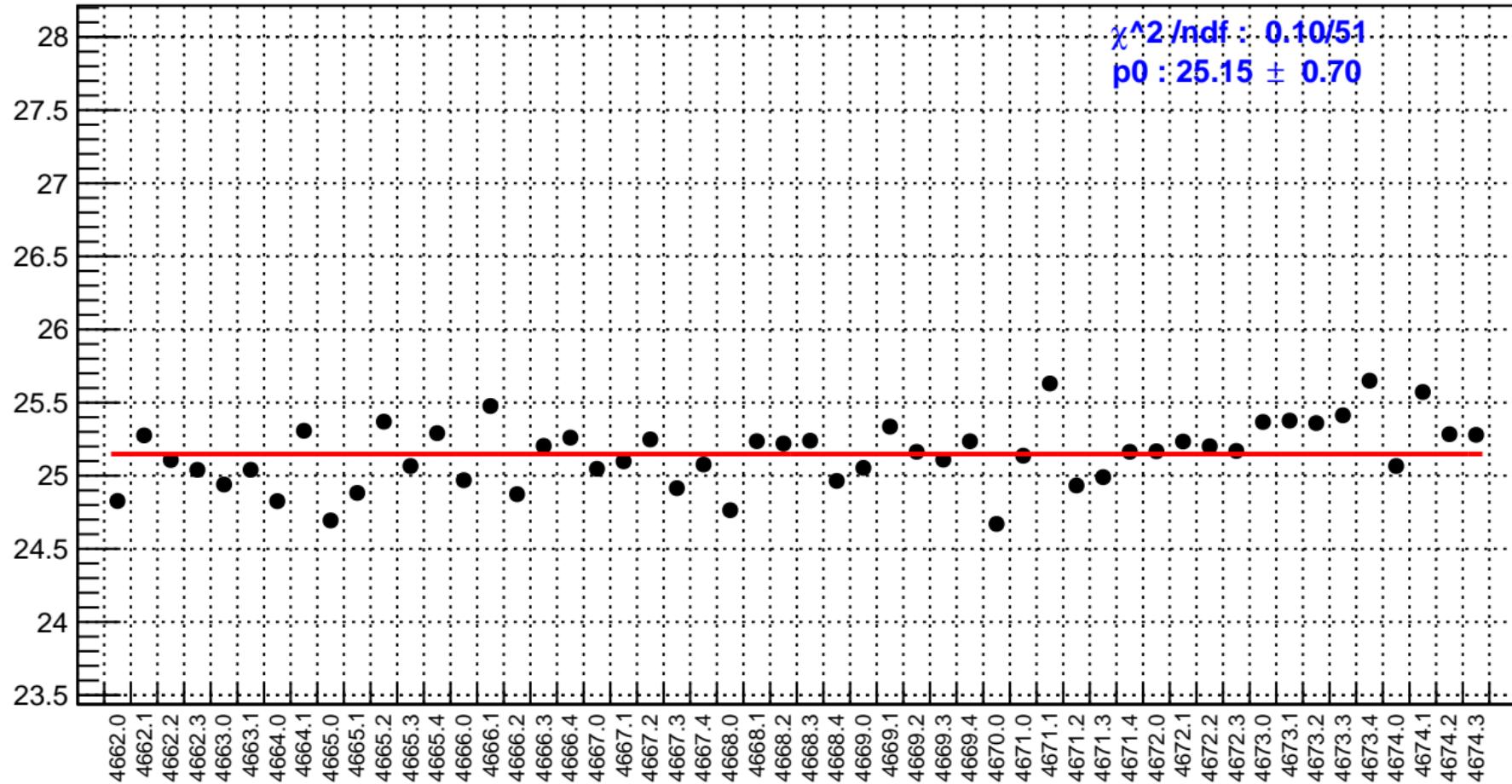


1D pull distribution

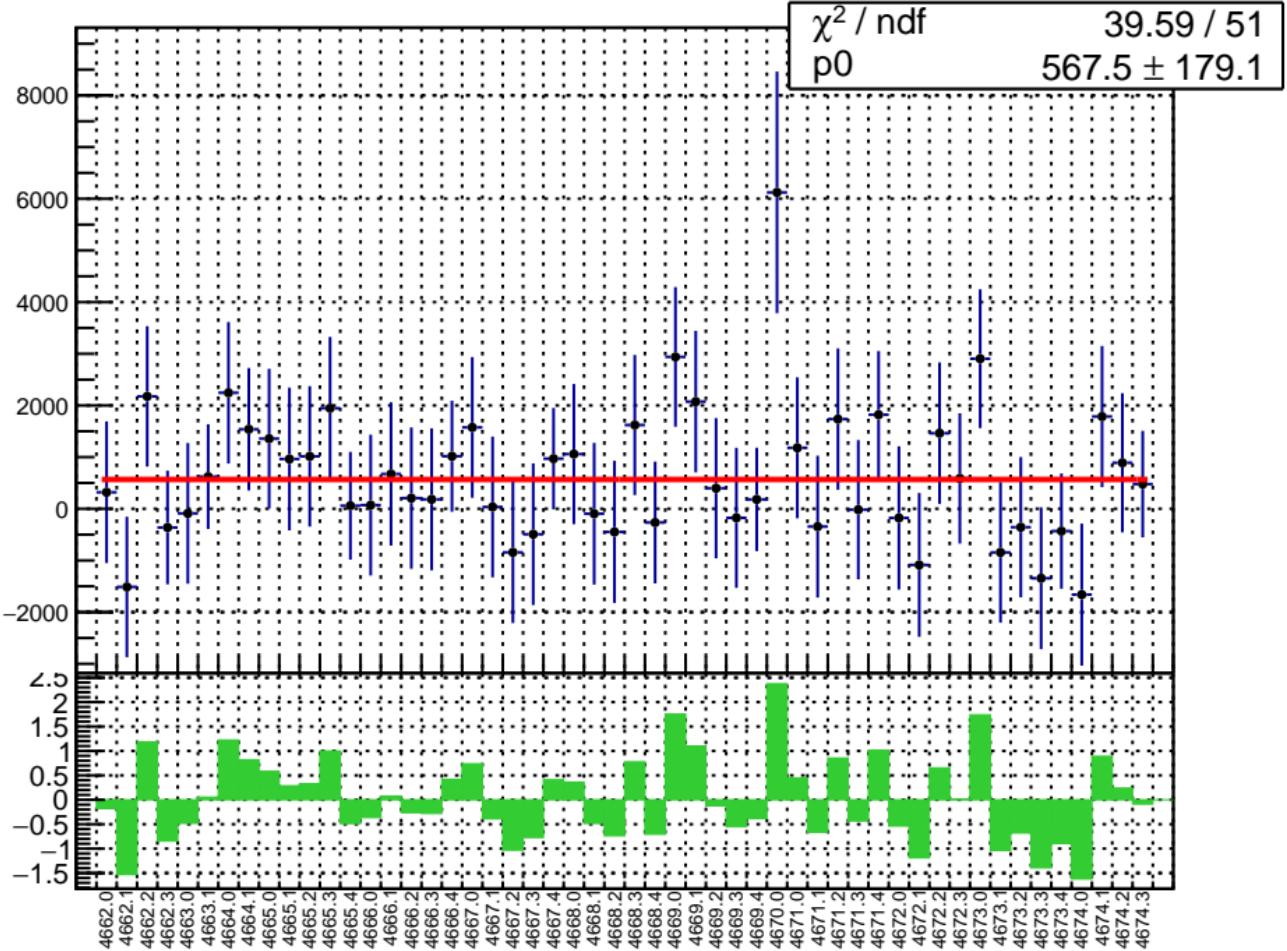




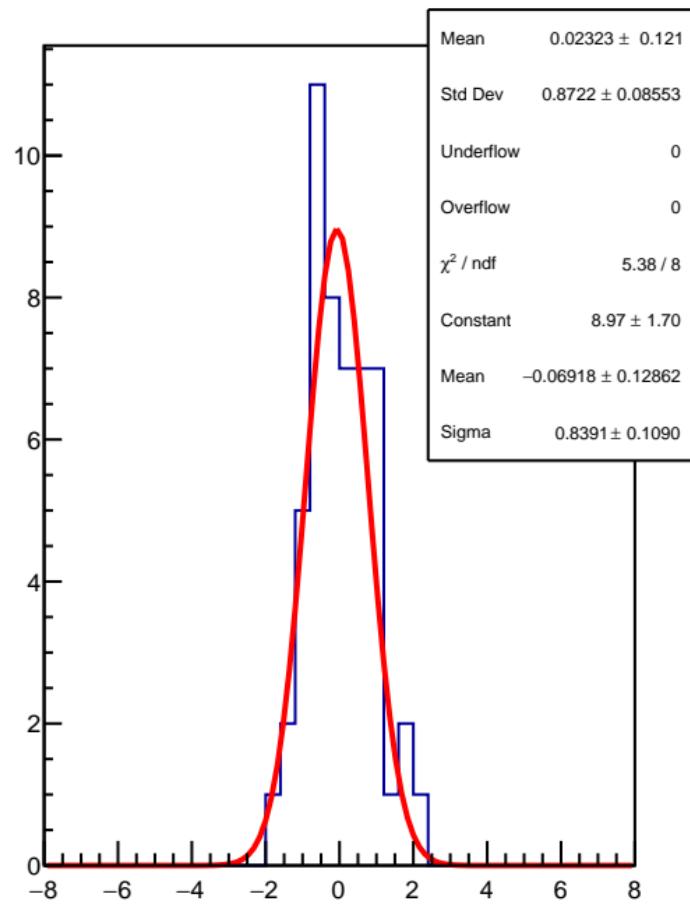
slug73: reg_asym_left_dd.rms/ppm



slug73: reg_asym_right_avg.mean/ppb

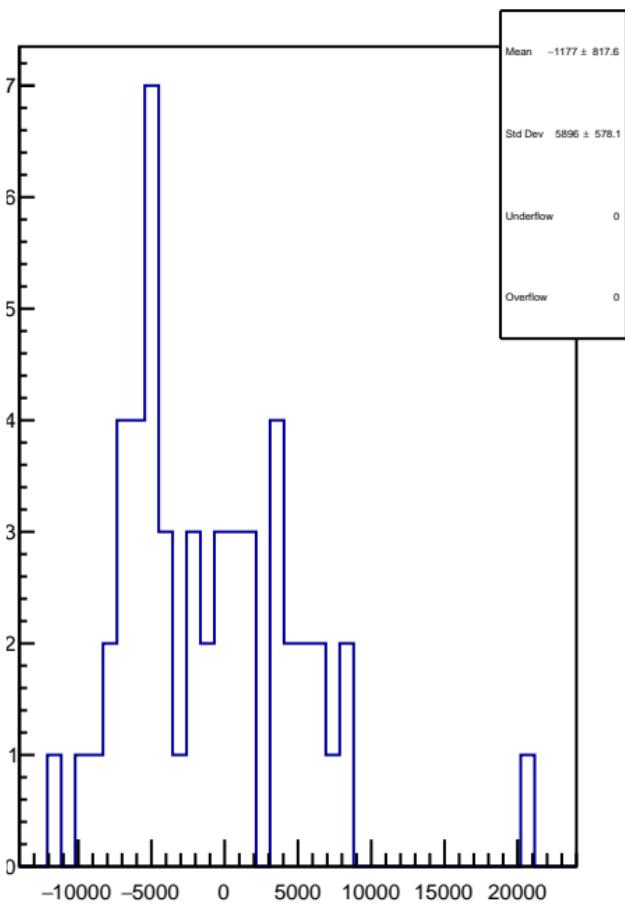
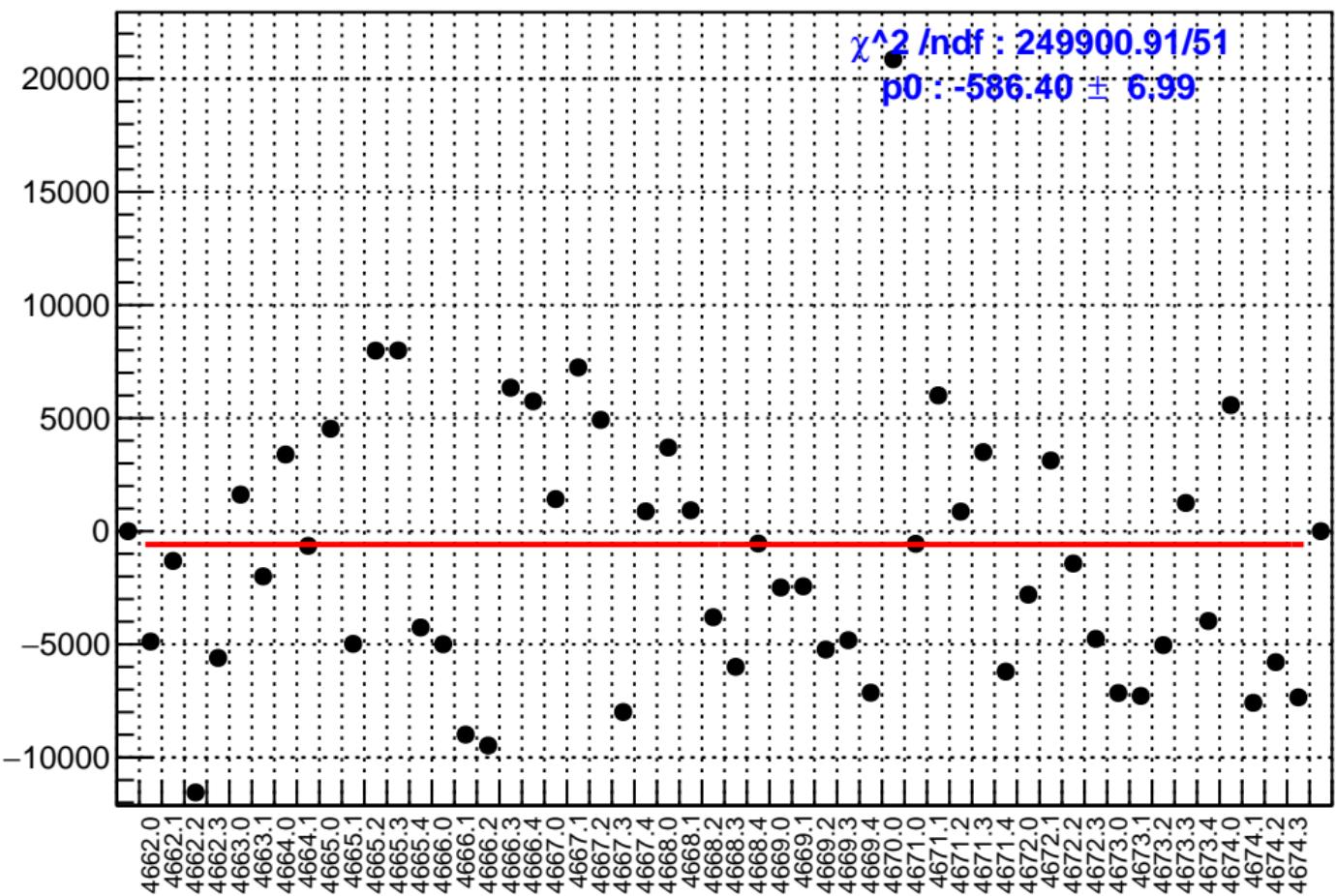


1D pull distribution

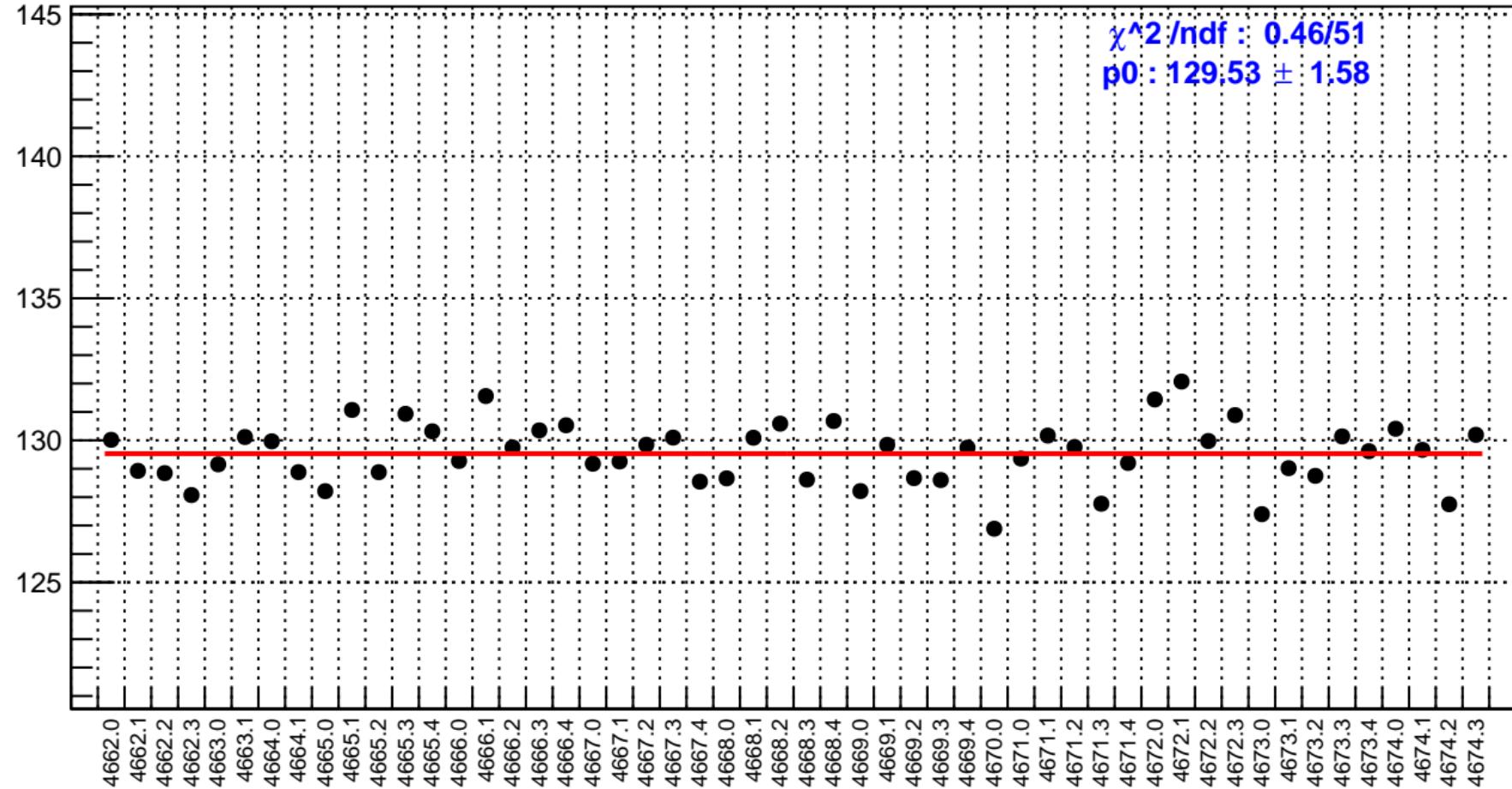


slug73: asym_right_avg.mean/ppb-reg_asym_right_avg.mean/ppb

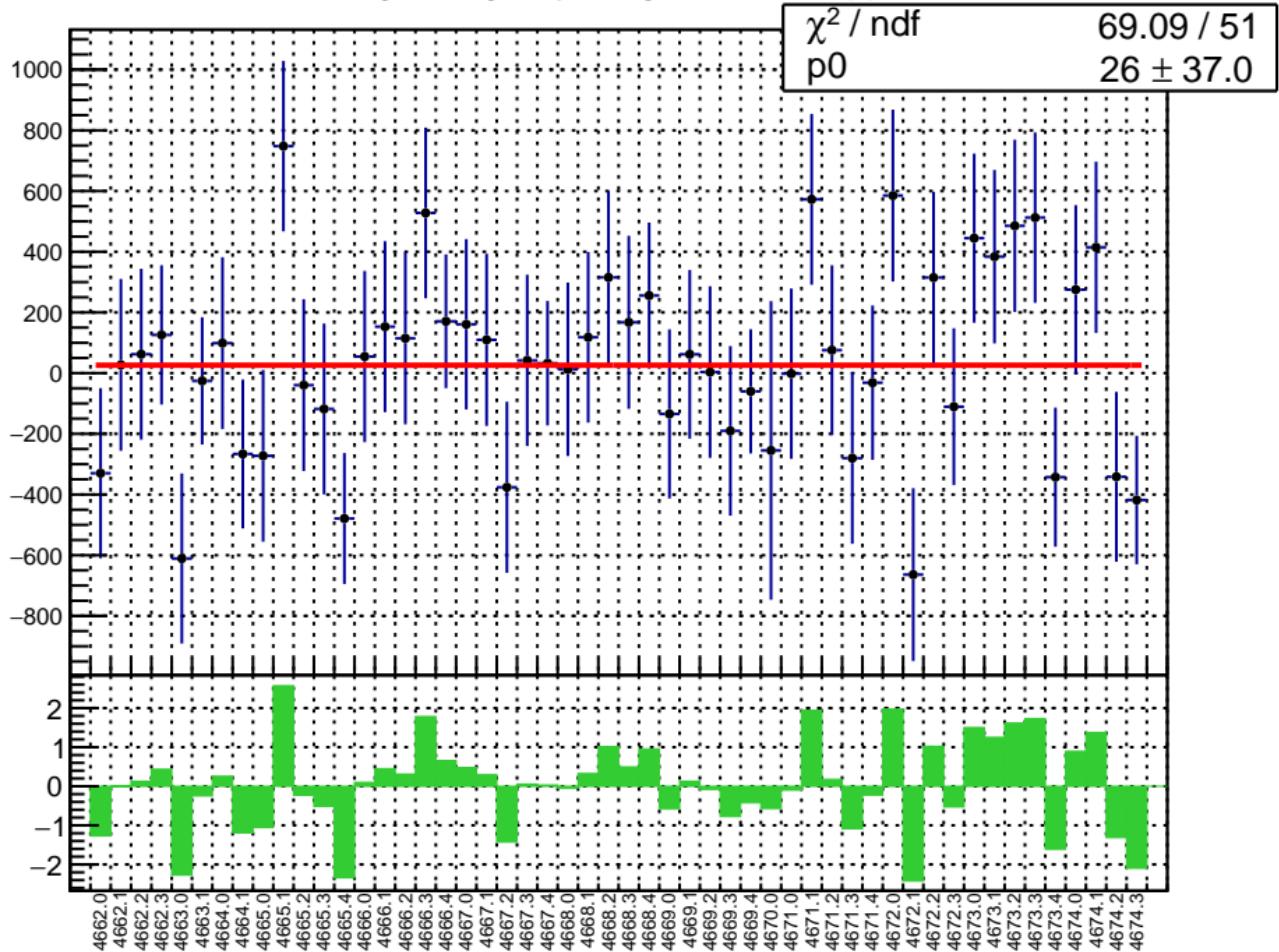
slug73: 1D Corr asym_right_avg.mean/ppb-reg_asym_right_avg.mean/ppb



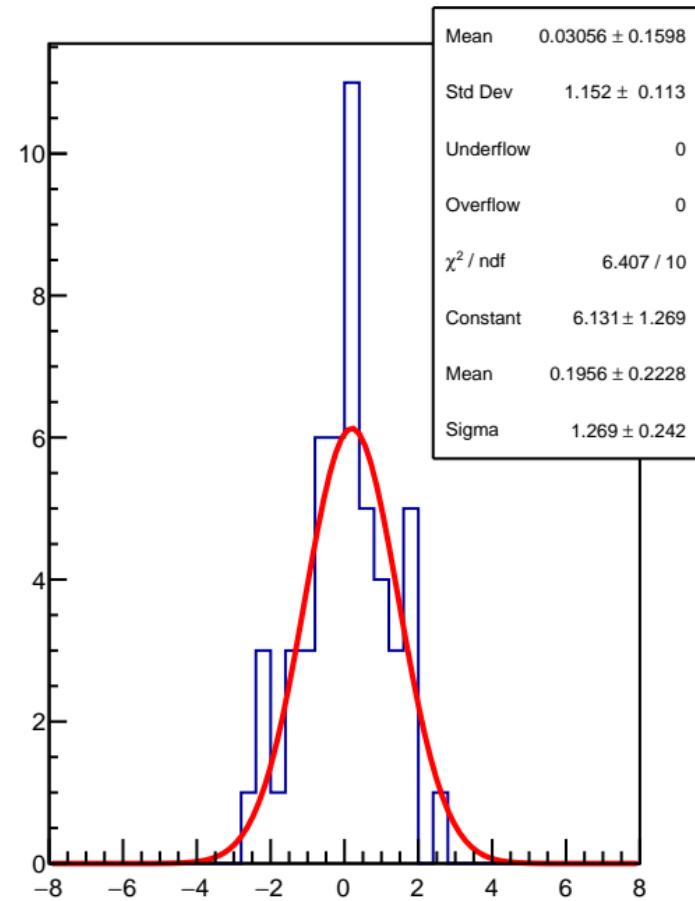
slug73: reg_asym_right_avg.rms/ppm



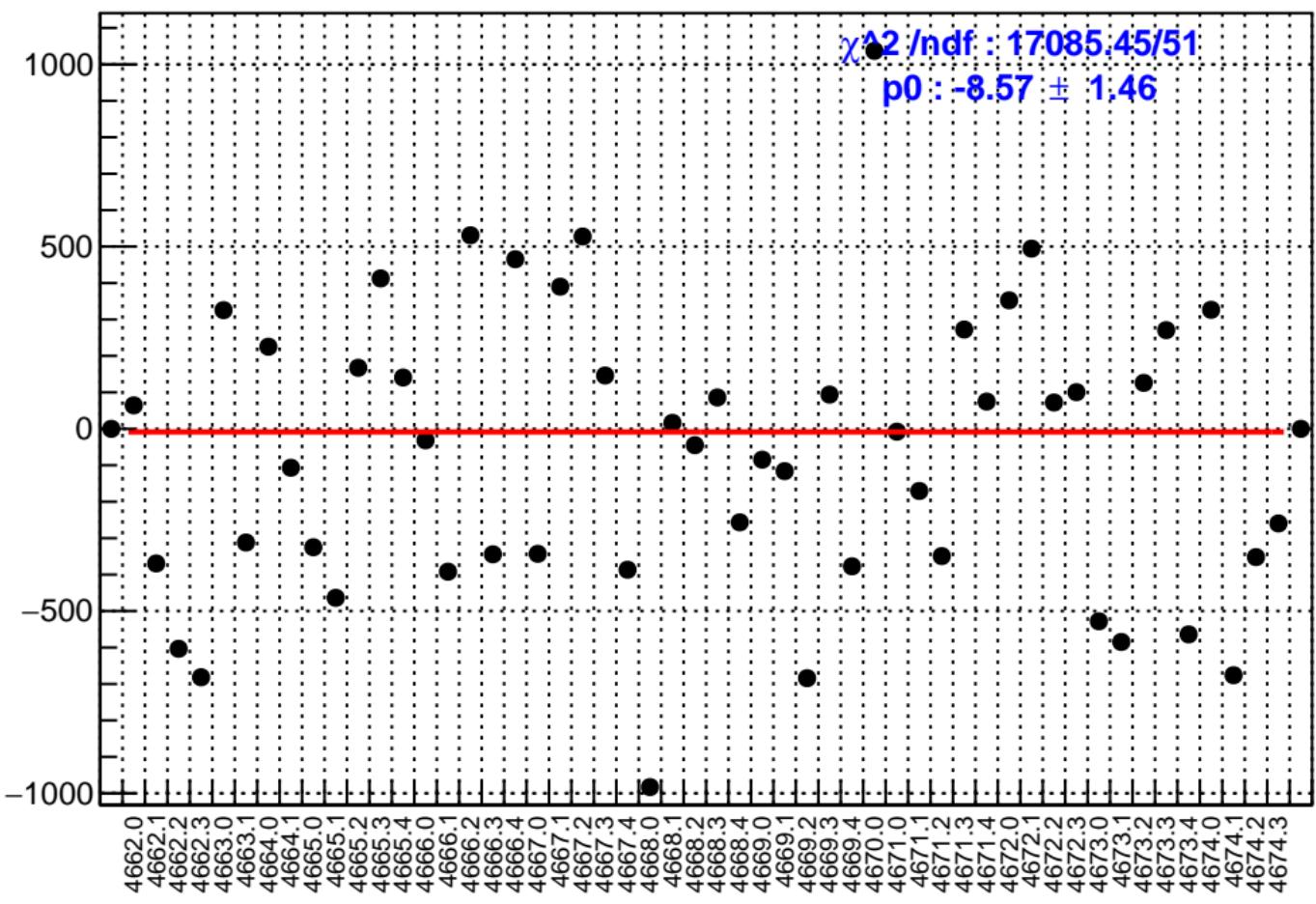
slug73: reg_asym_right_dd.mean/ppb



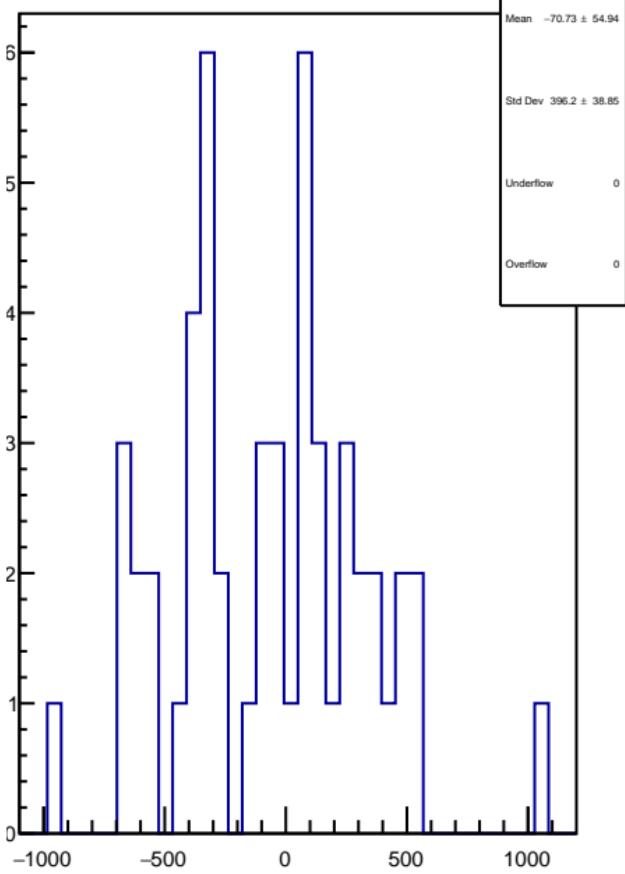
1D pull distribution



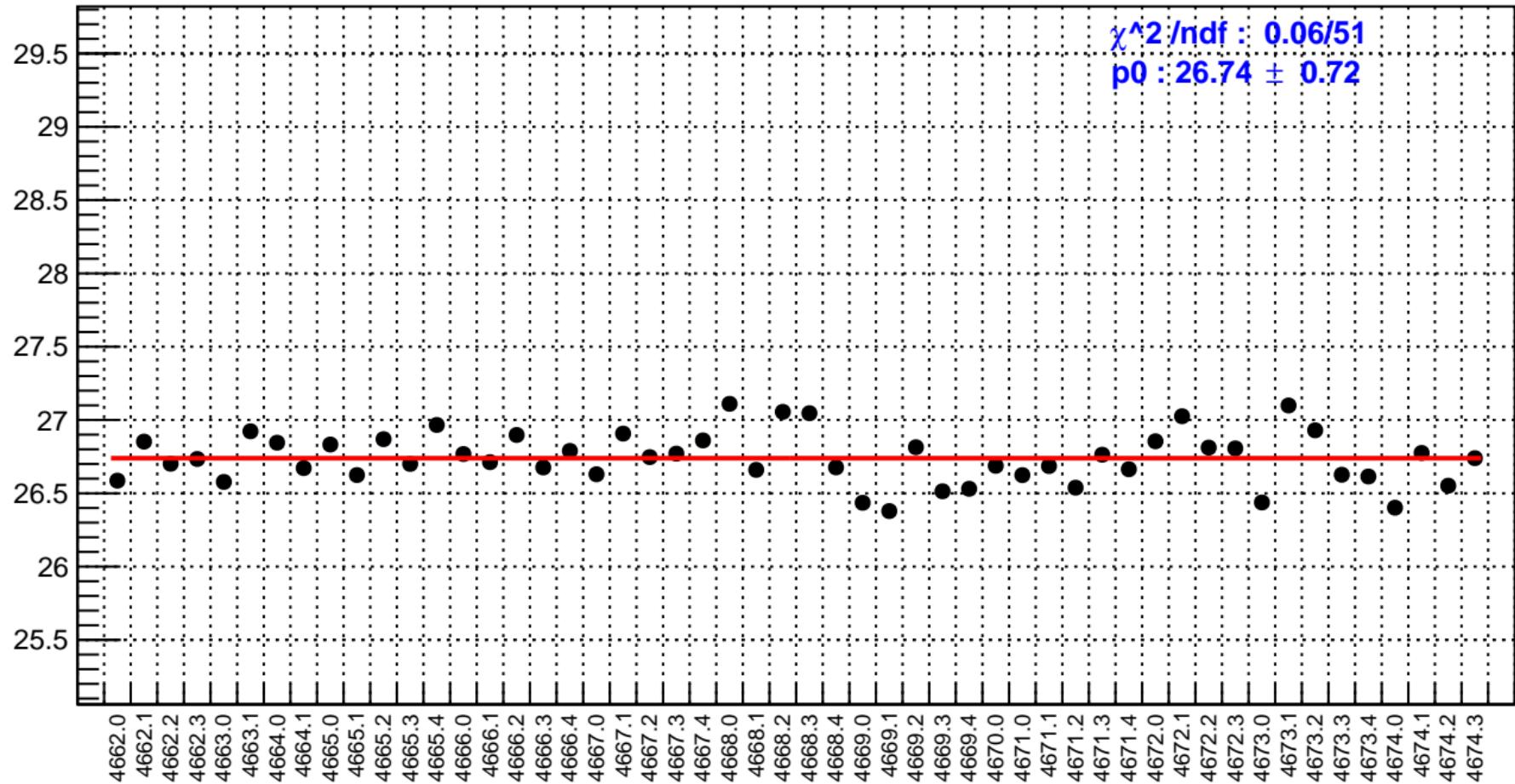
slug73: asym_right_dd.mean/ppb-reg_asym_right_dd.mean/ppb



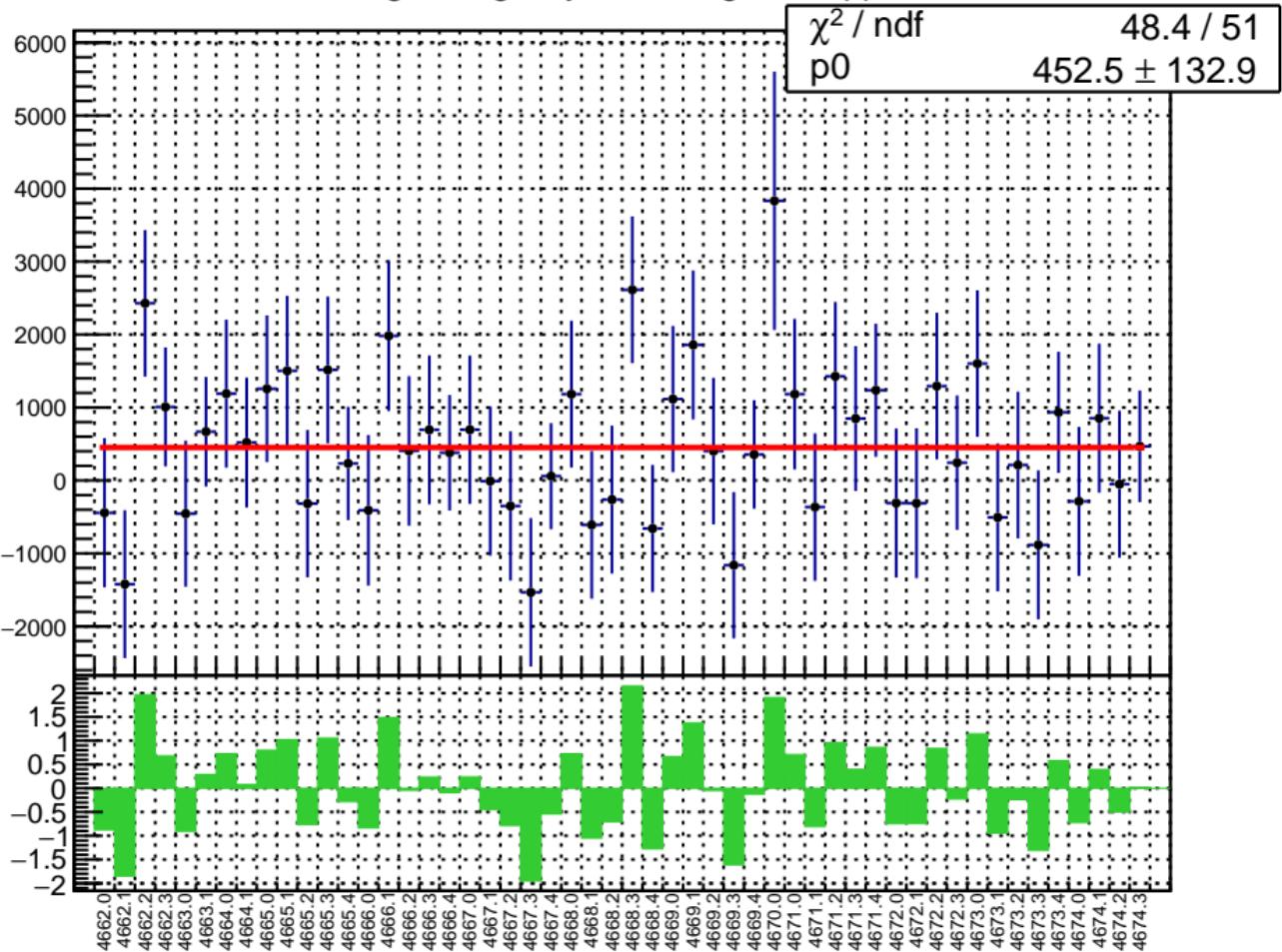
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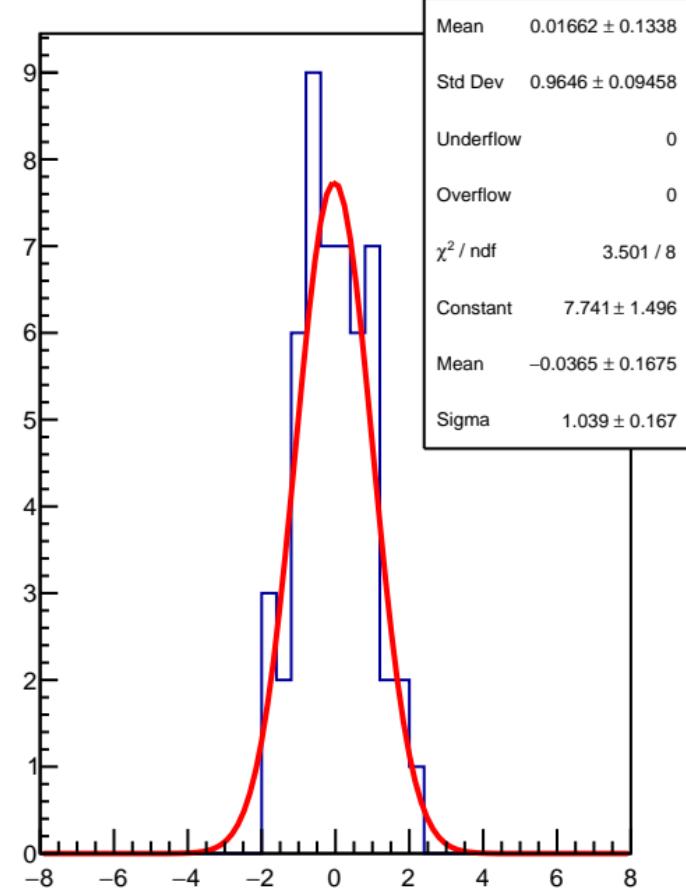
slug73: reg_asym_right_dd.rms/ppm

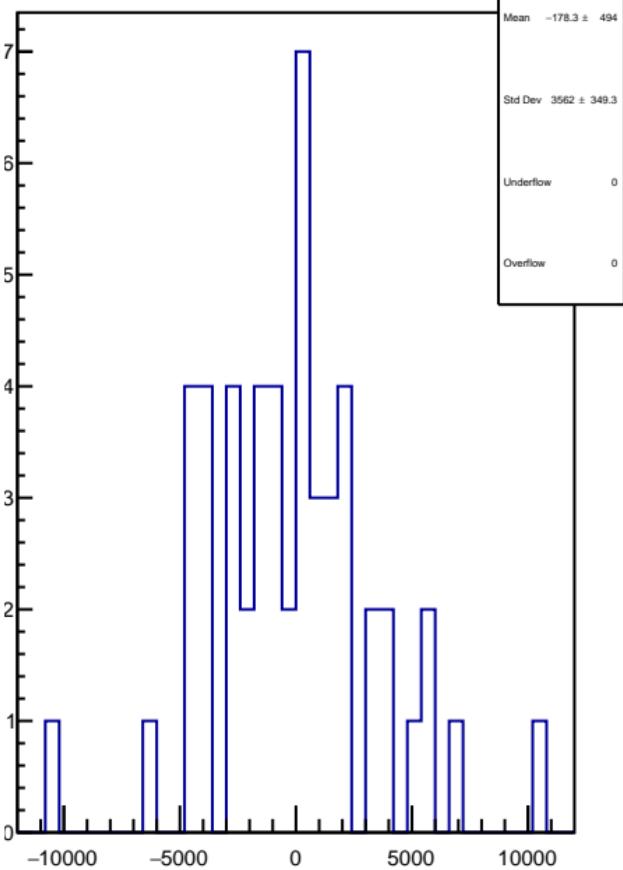
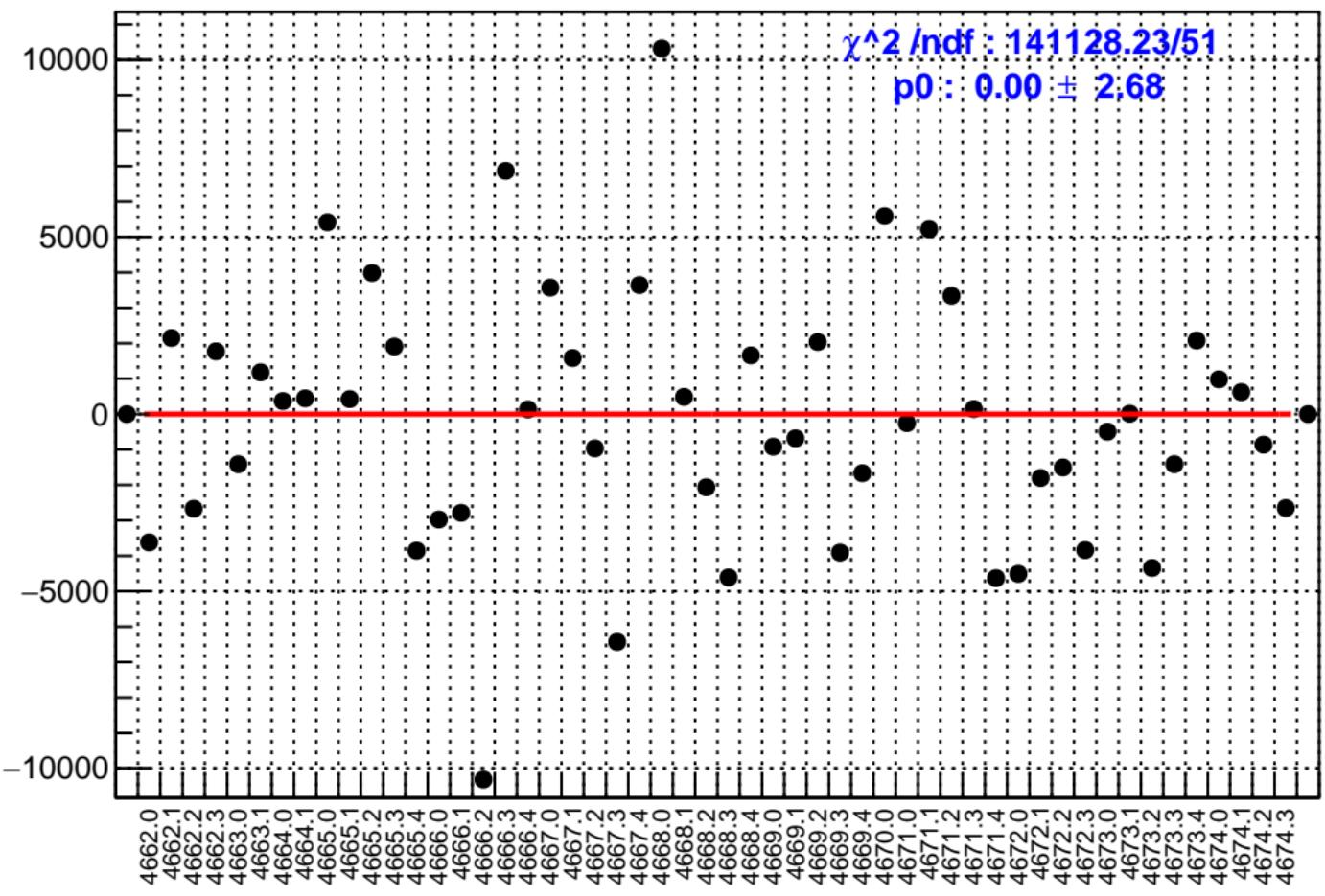


slug73: reg_asym_us_avg.mean/ppb



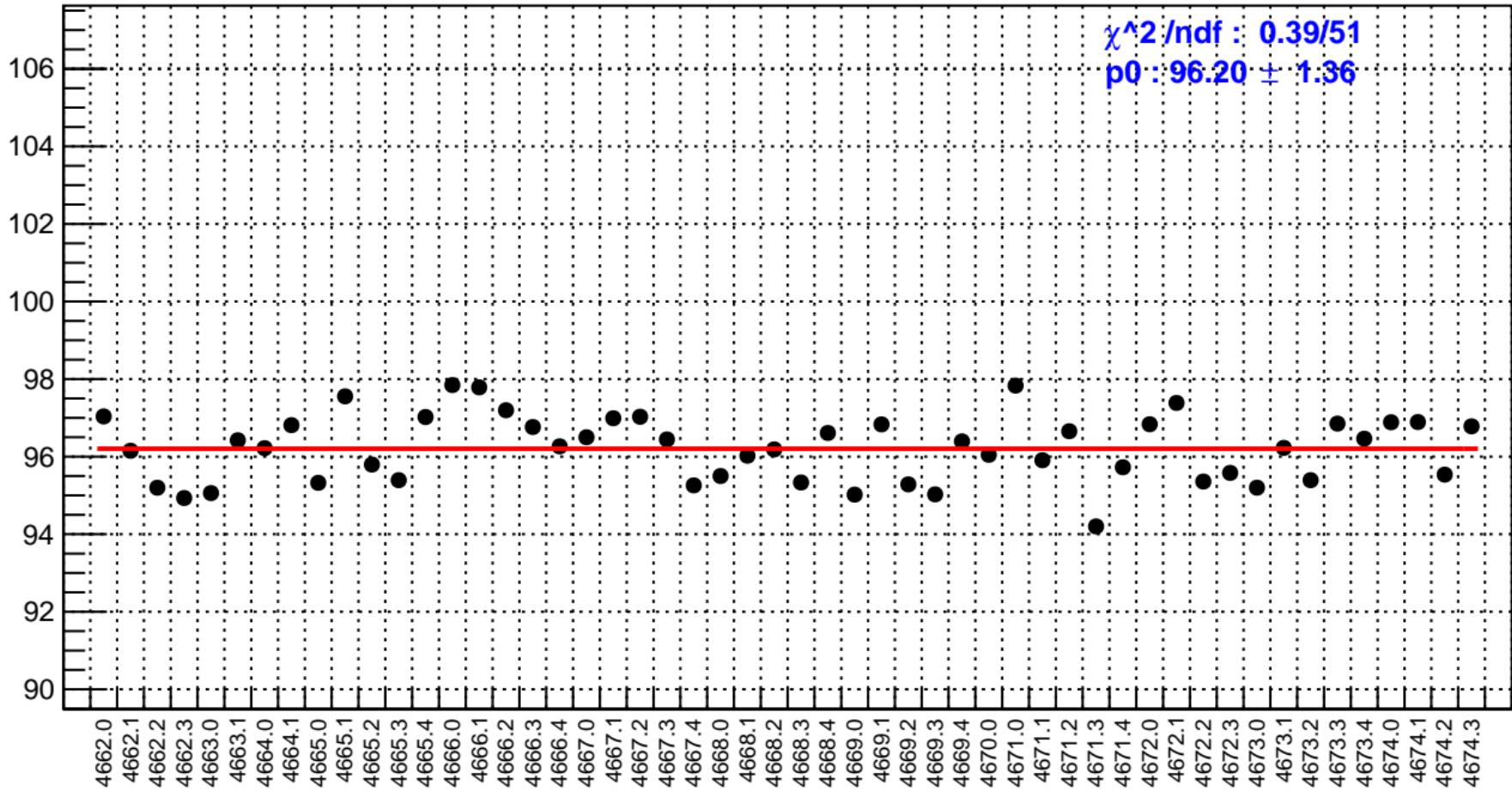
1D pull distribution



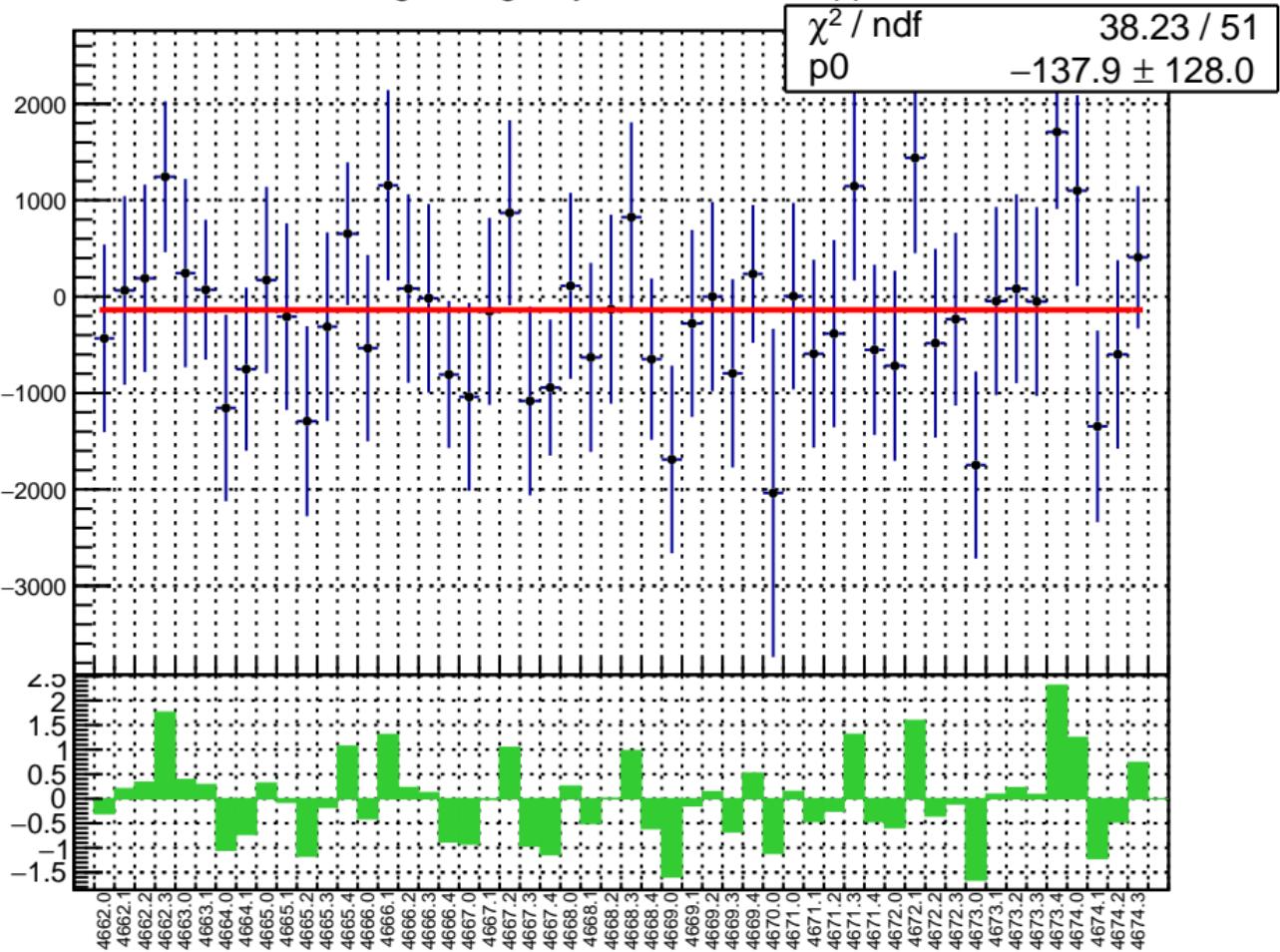


slug73: reg_asym_us_avg.rms/ppm

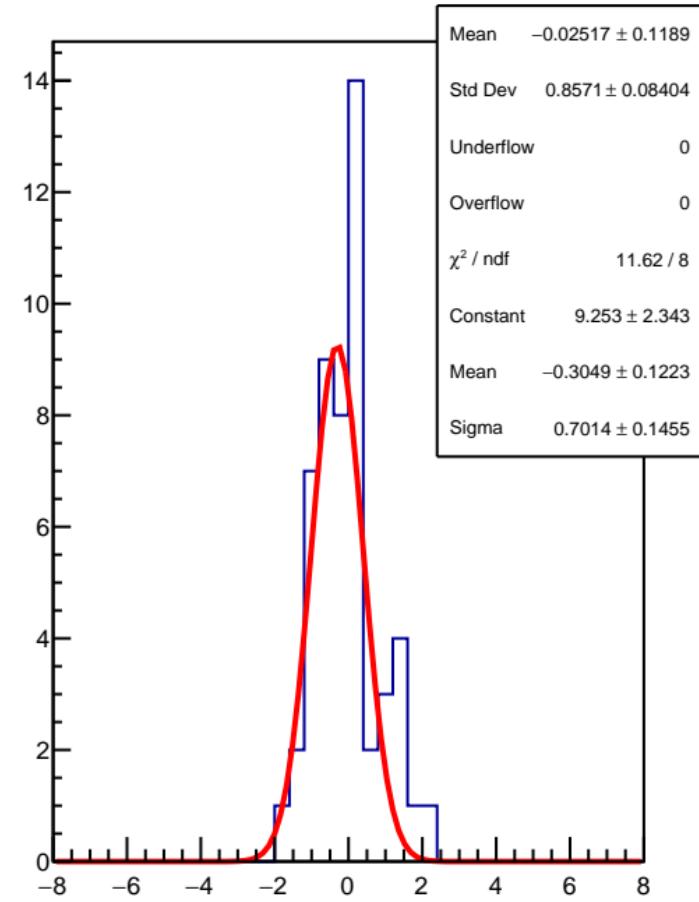
$\chi^2/\text{ndf} : 0.39/51$
 $p0 : 96.20 \pm 1.36$



slug73: reg_asym_us_dd.mean/ppb

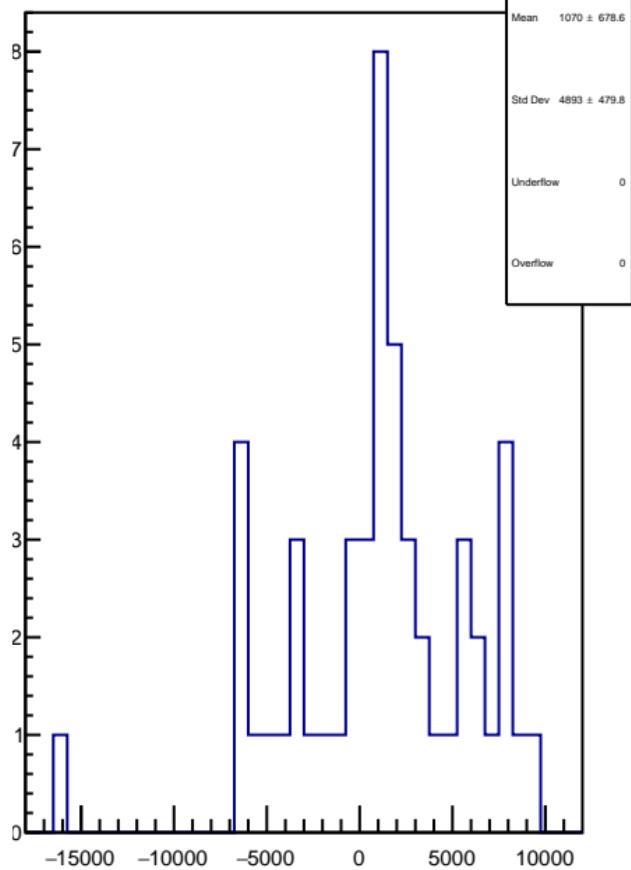
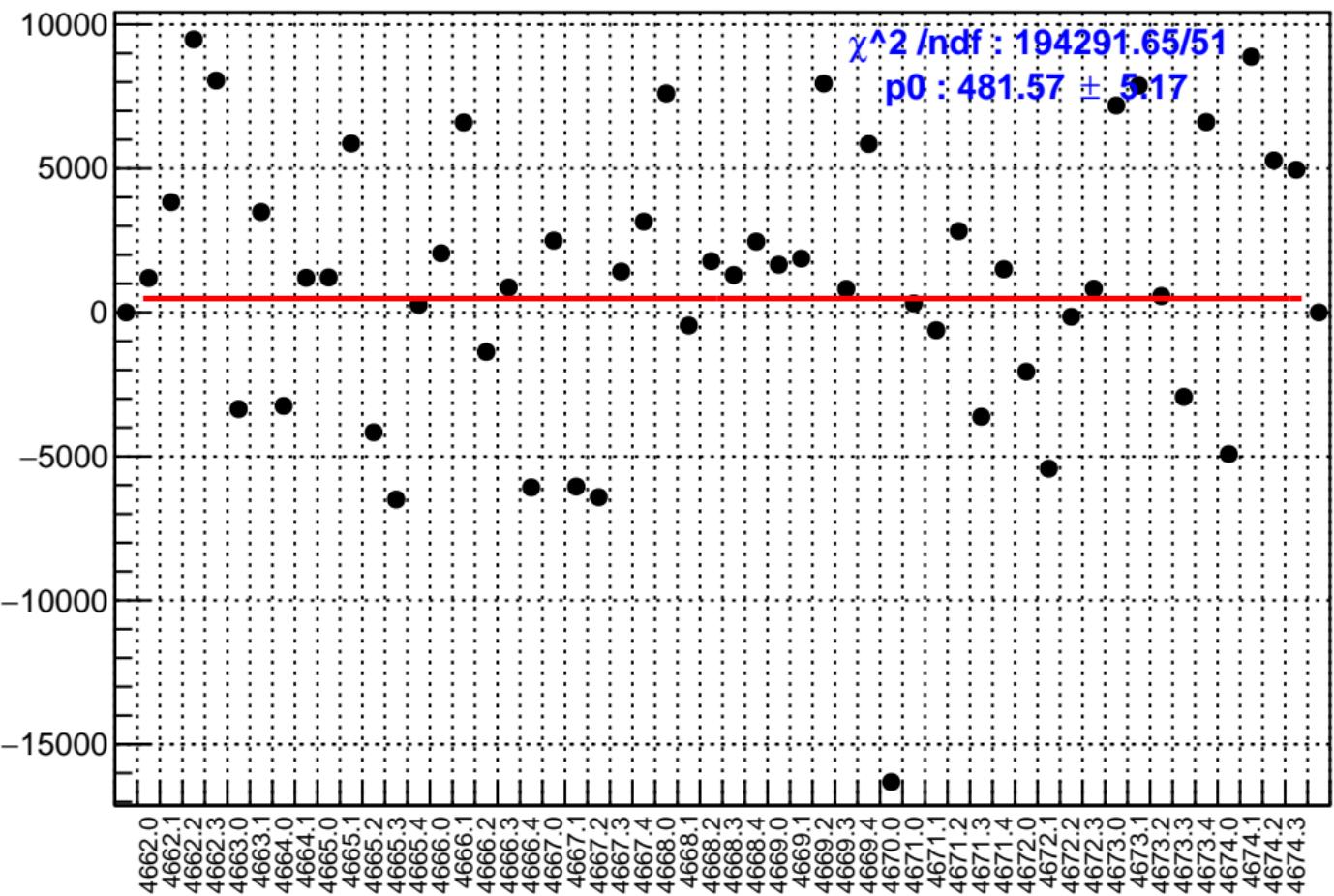


1D pull distribution

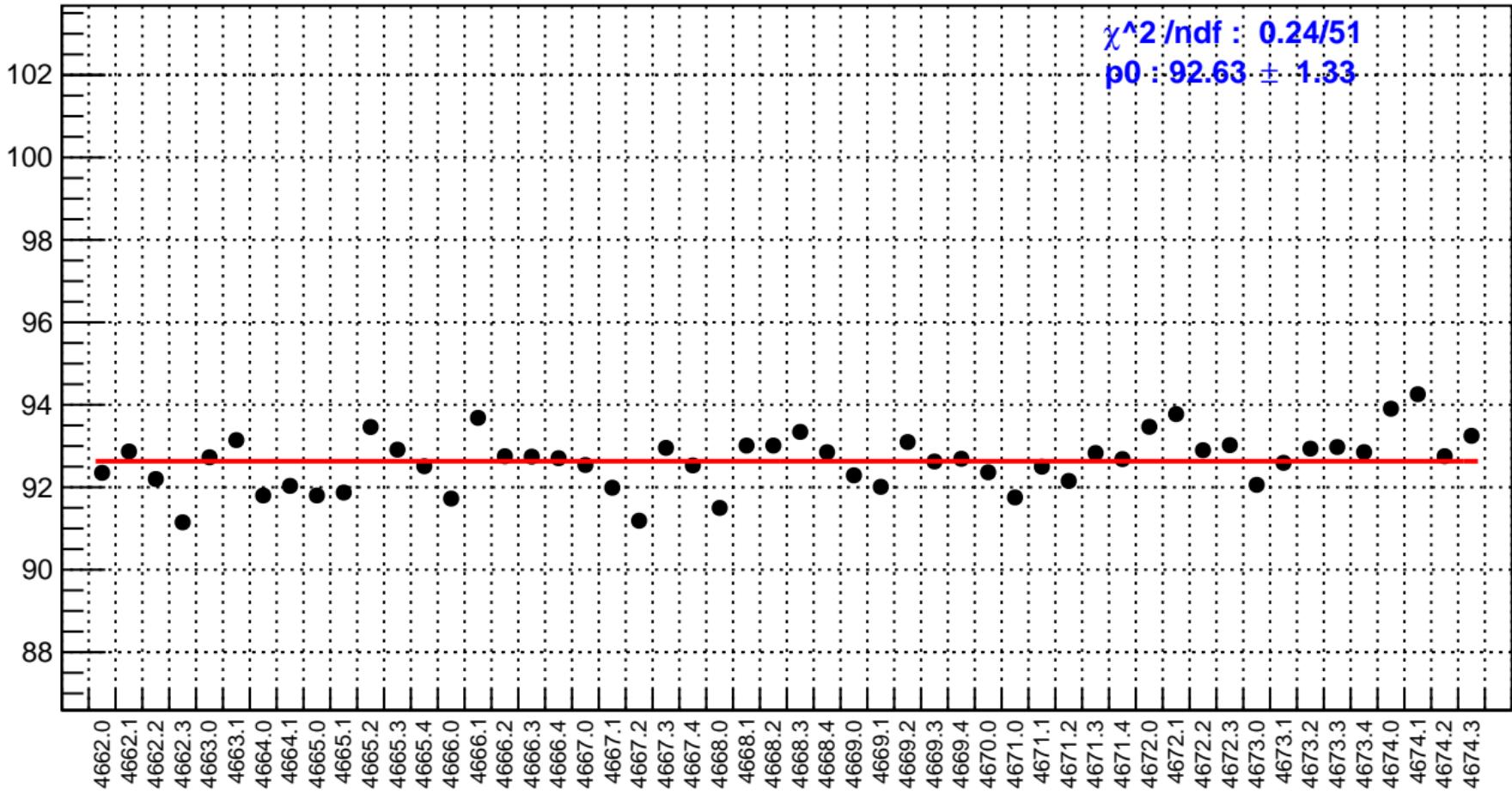


slug73: asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb

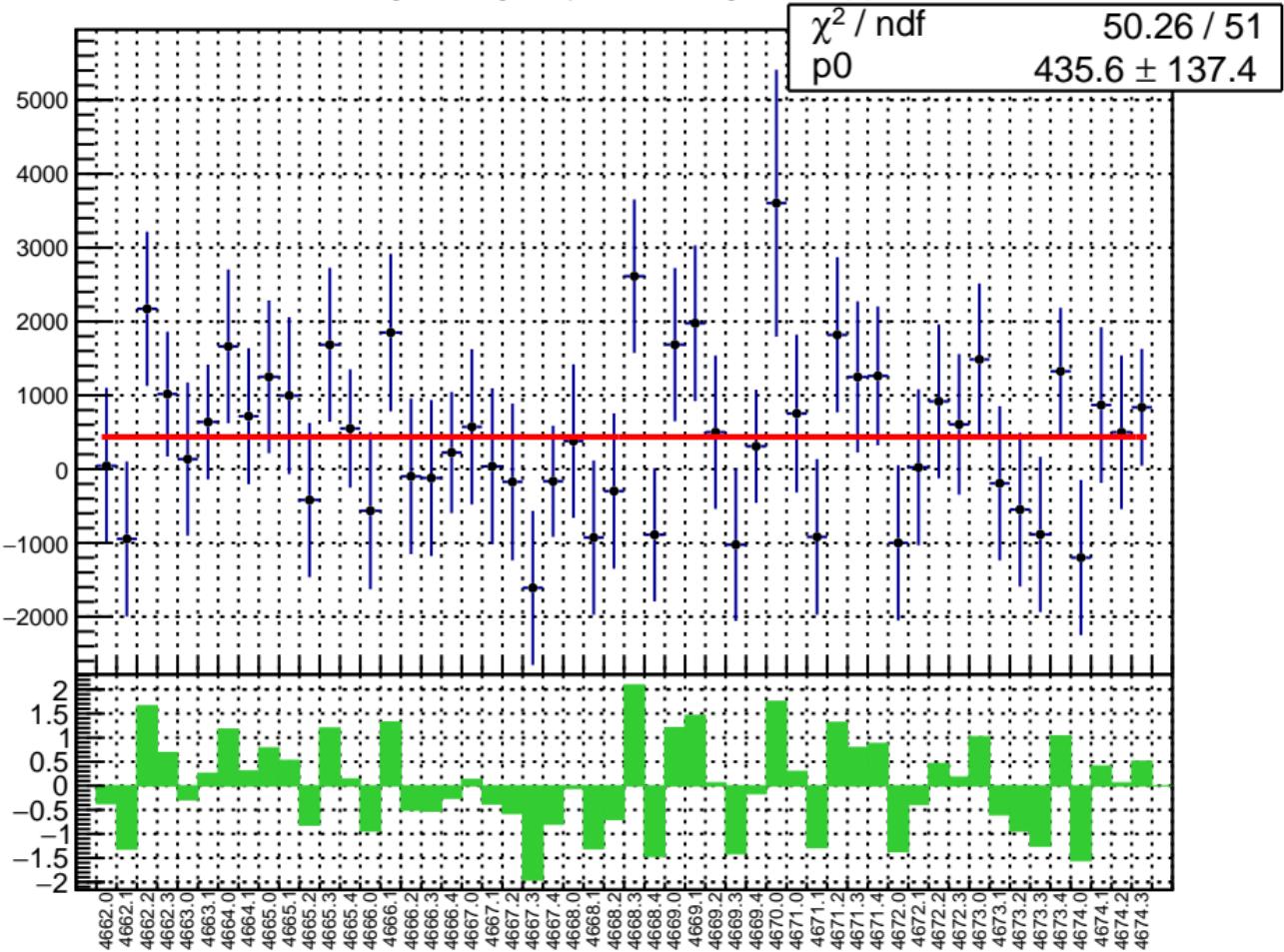
slug73: 1D Corr asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb



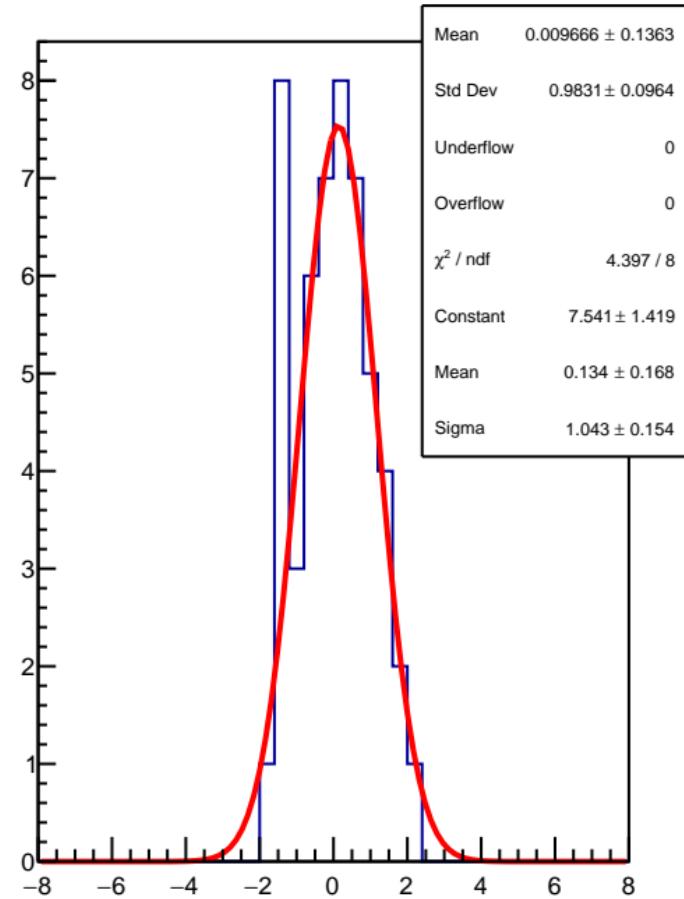
slug73: reg_asym_us_dd.rms/ppm

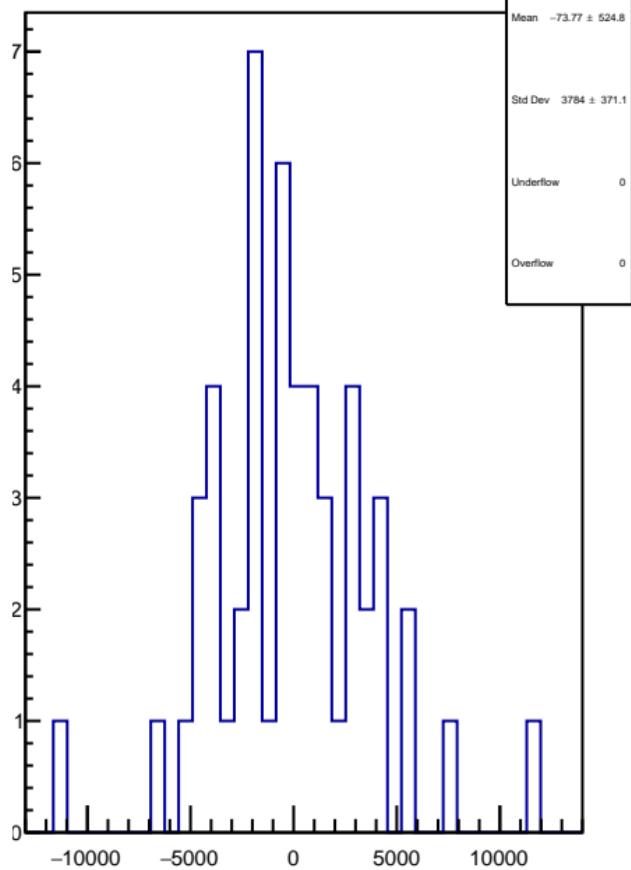
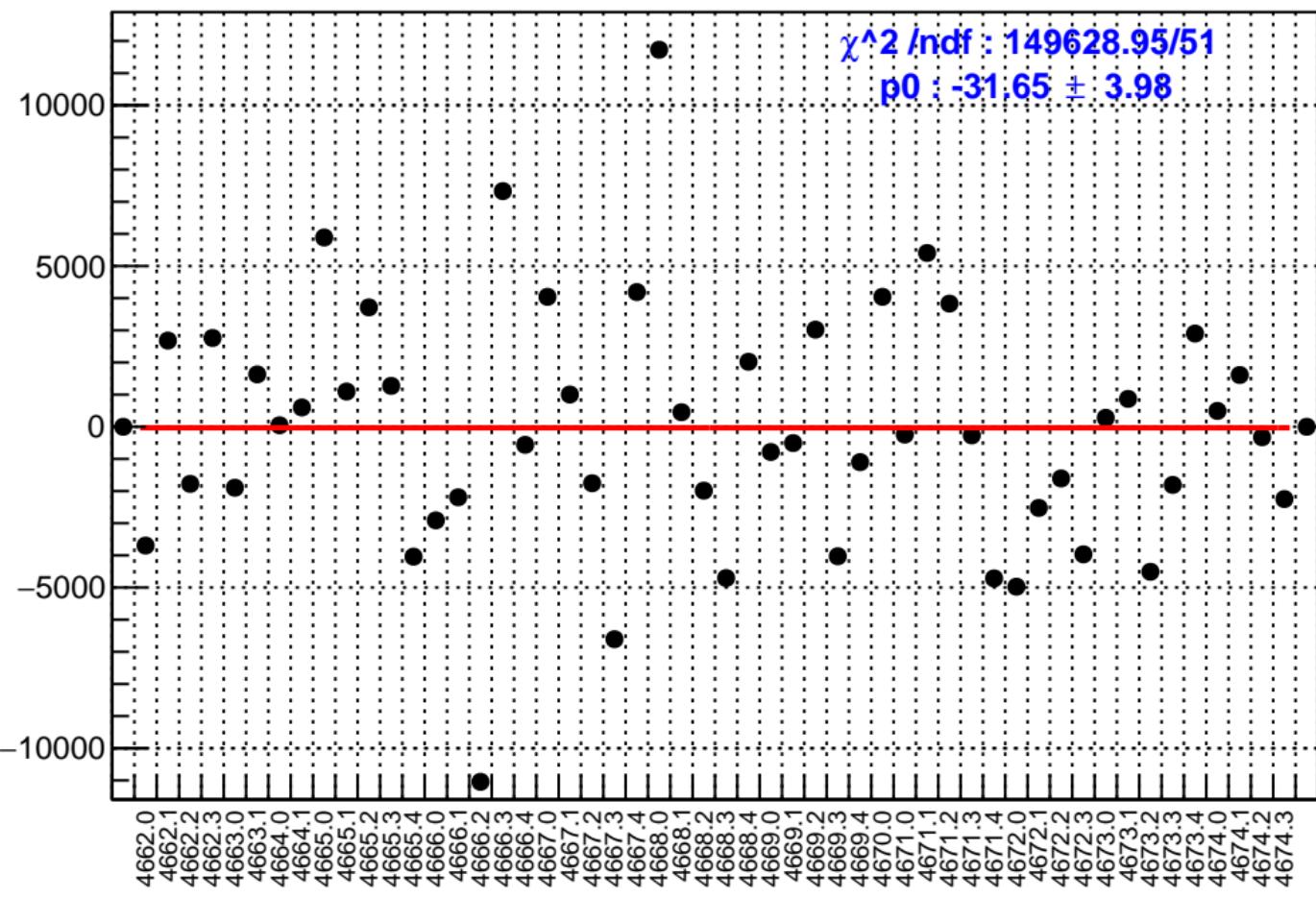


slug73: reg_asym_ds_avg.mean/ppb



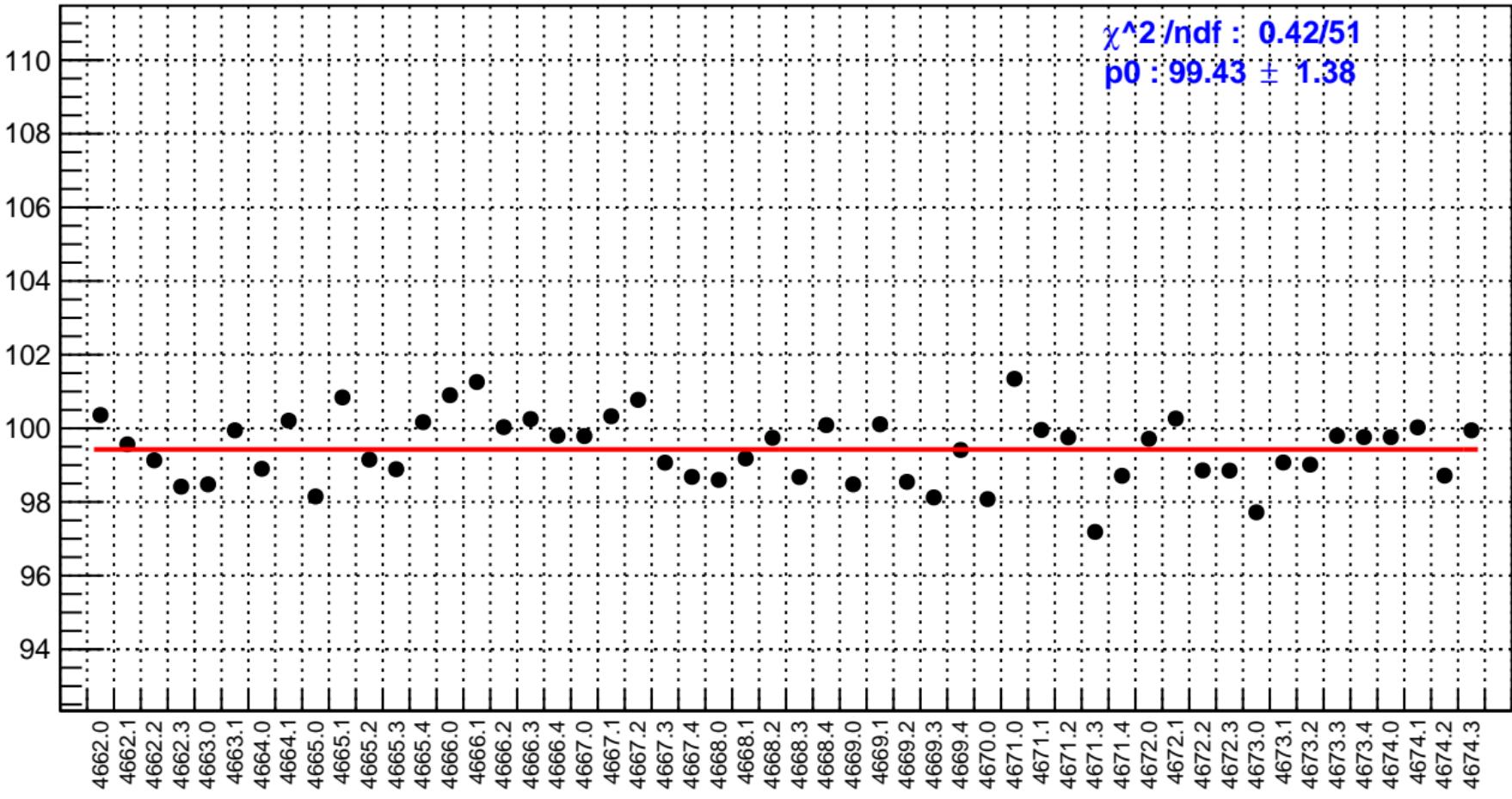
1D pull distribution



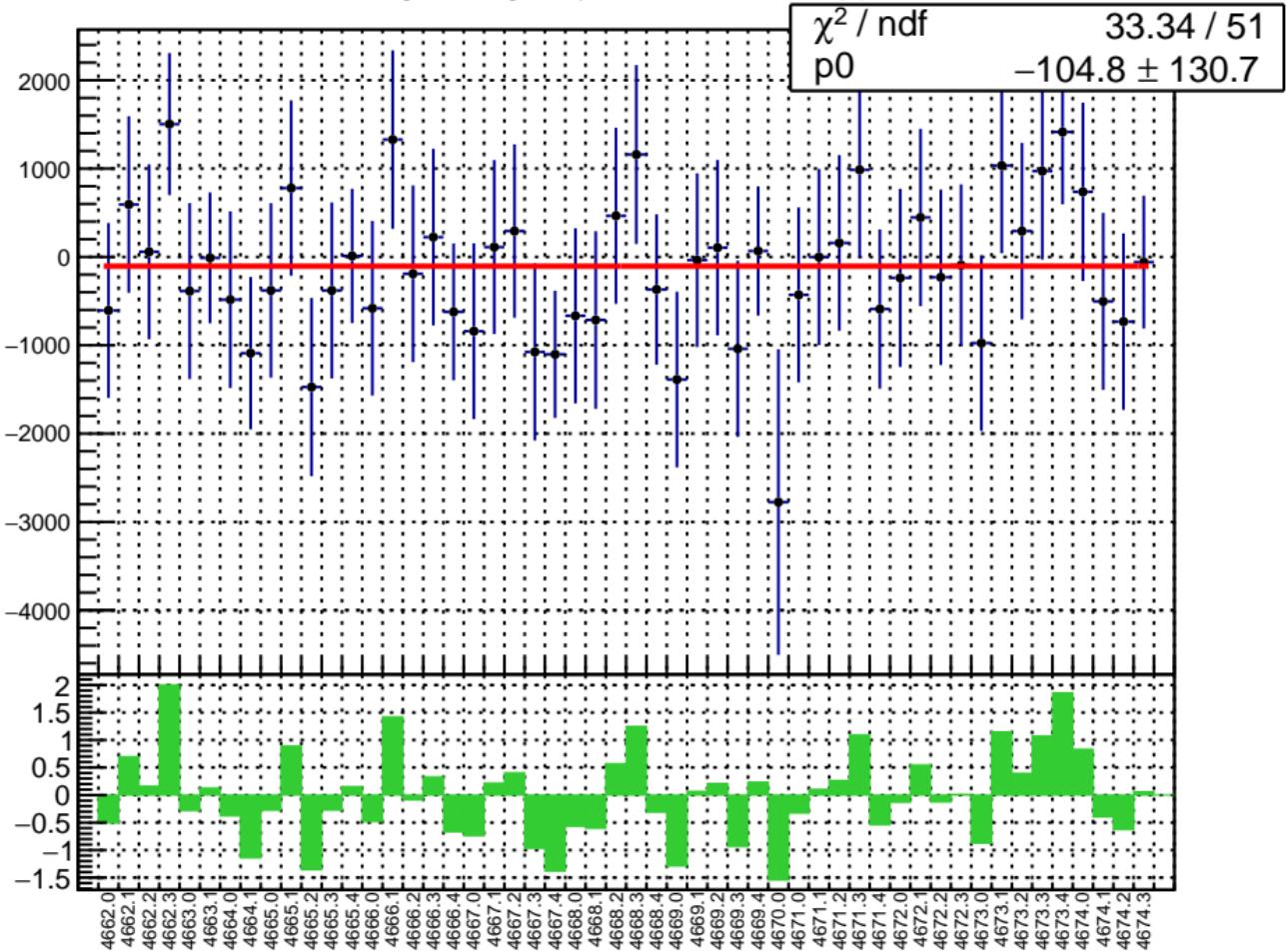


slug73: reg_asym_ds_avg.rms/ppm

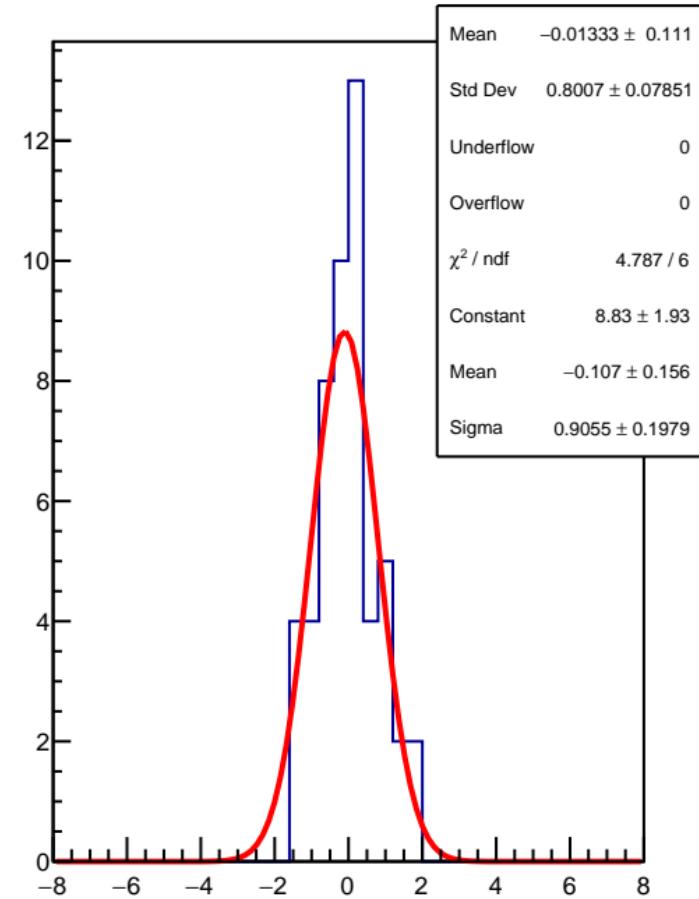
$\chi^2/\text{ndf} : 0.42/51$
 $p0 : 99.43 \pm 1.38$



slug73: reg_asym_ds_dd.mean/ppb

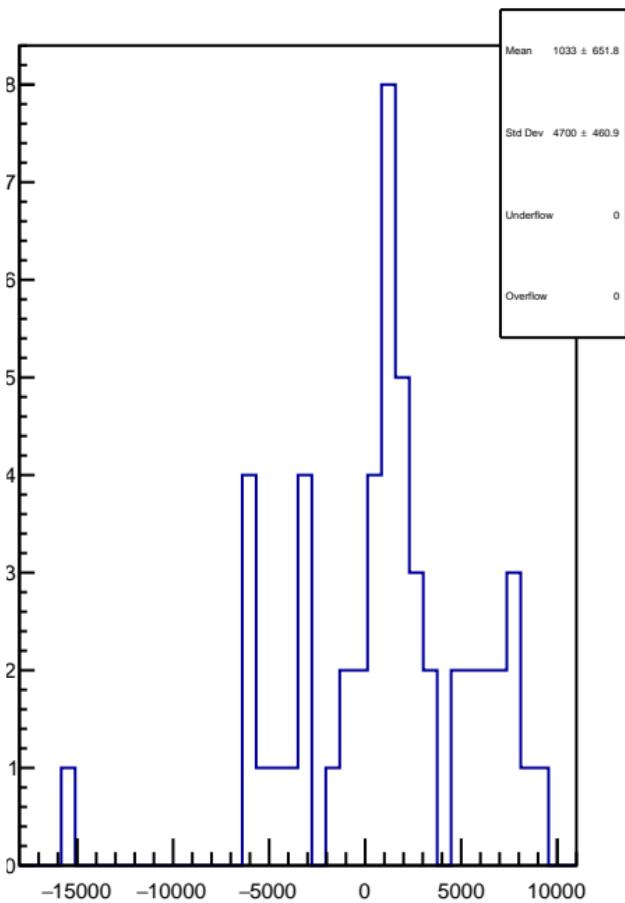
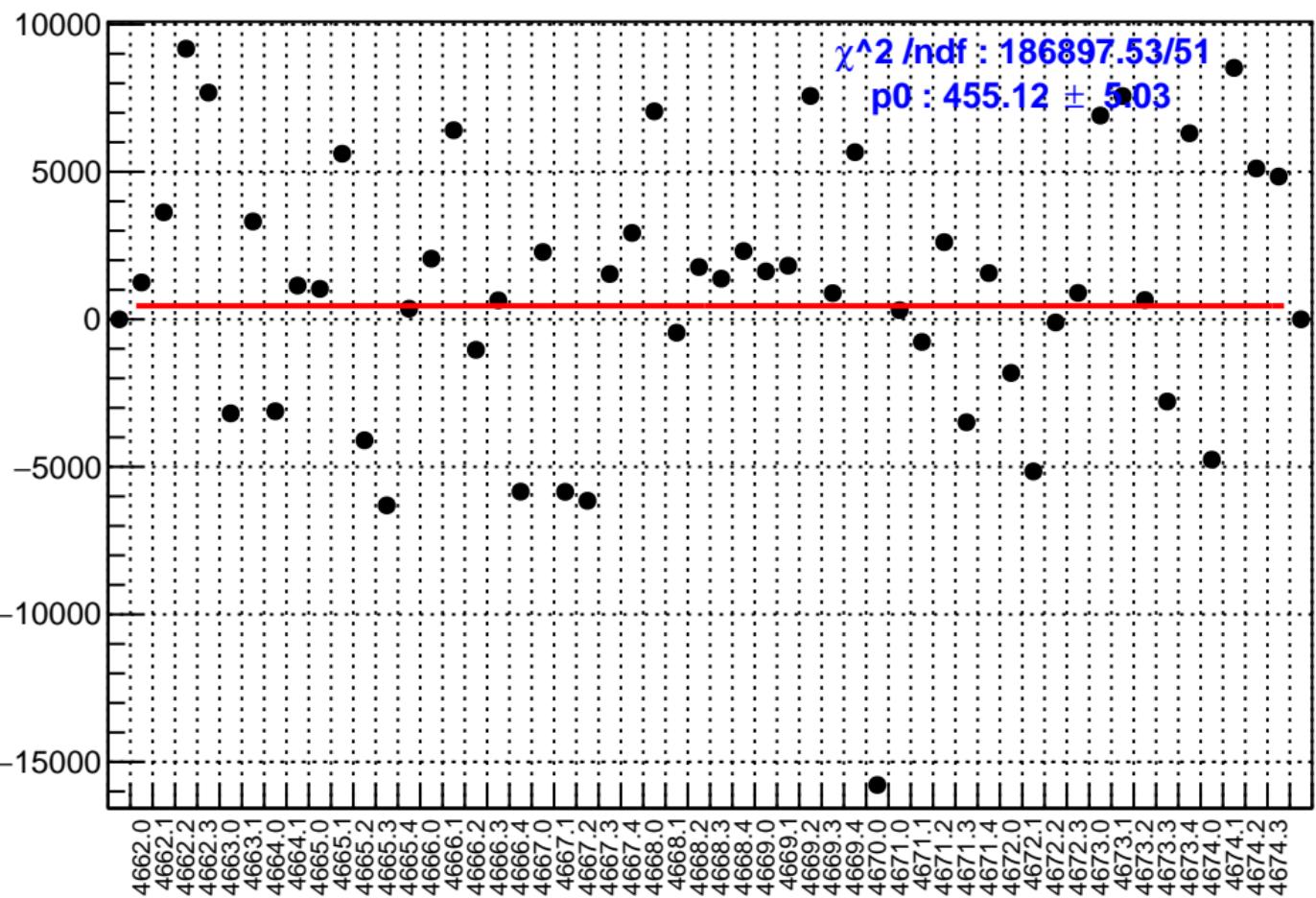


1D pull distribution

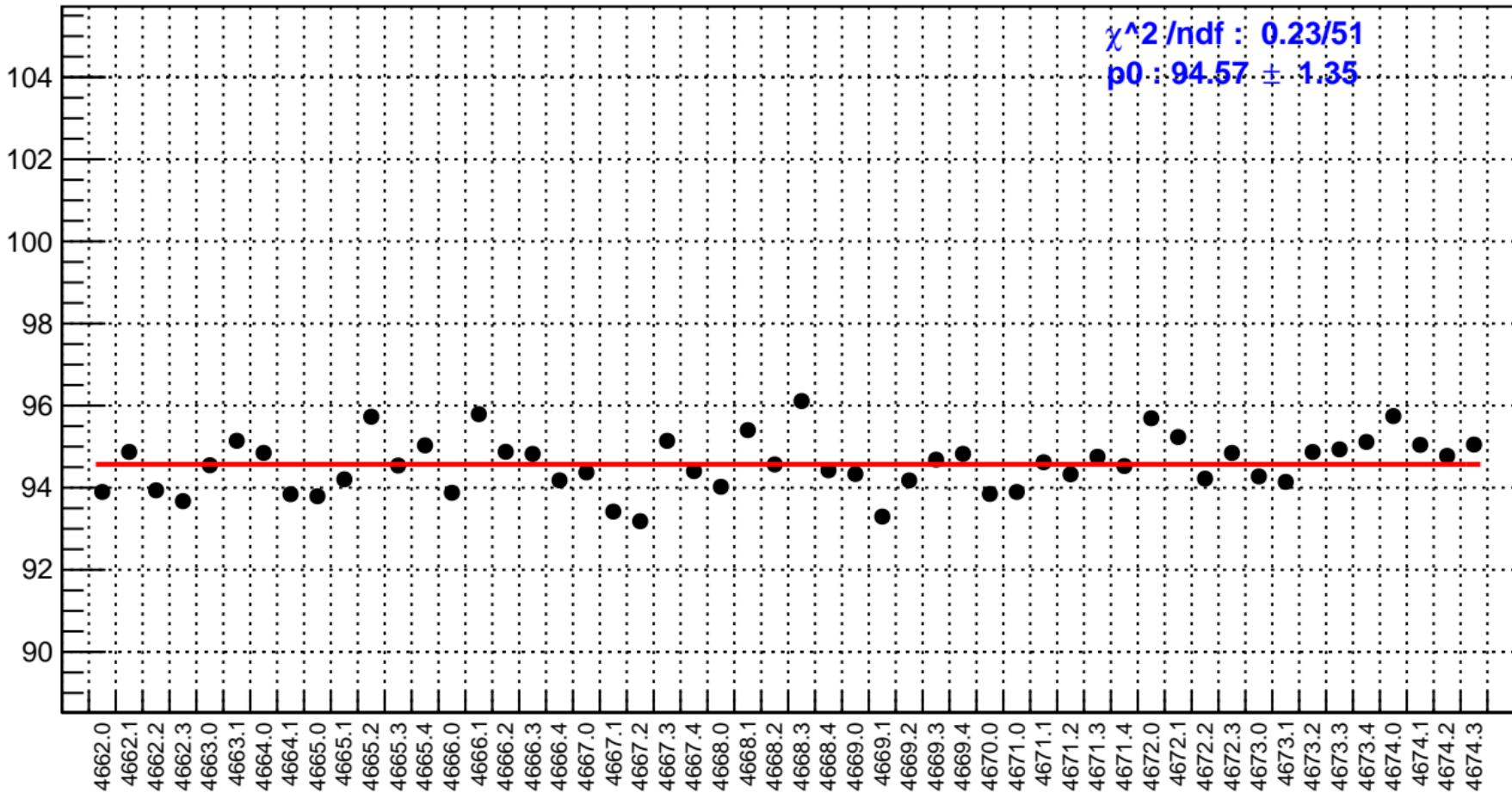


slug73: asym_ds_dd.mean/ppb-reg_asym_ds_dd.mean/ppb

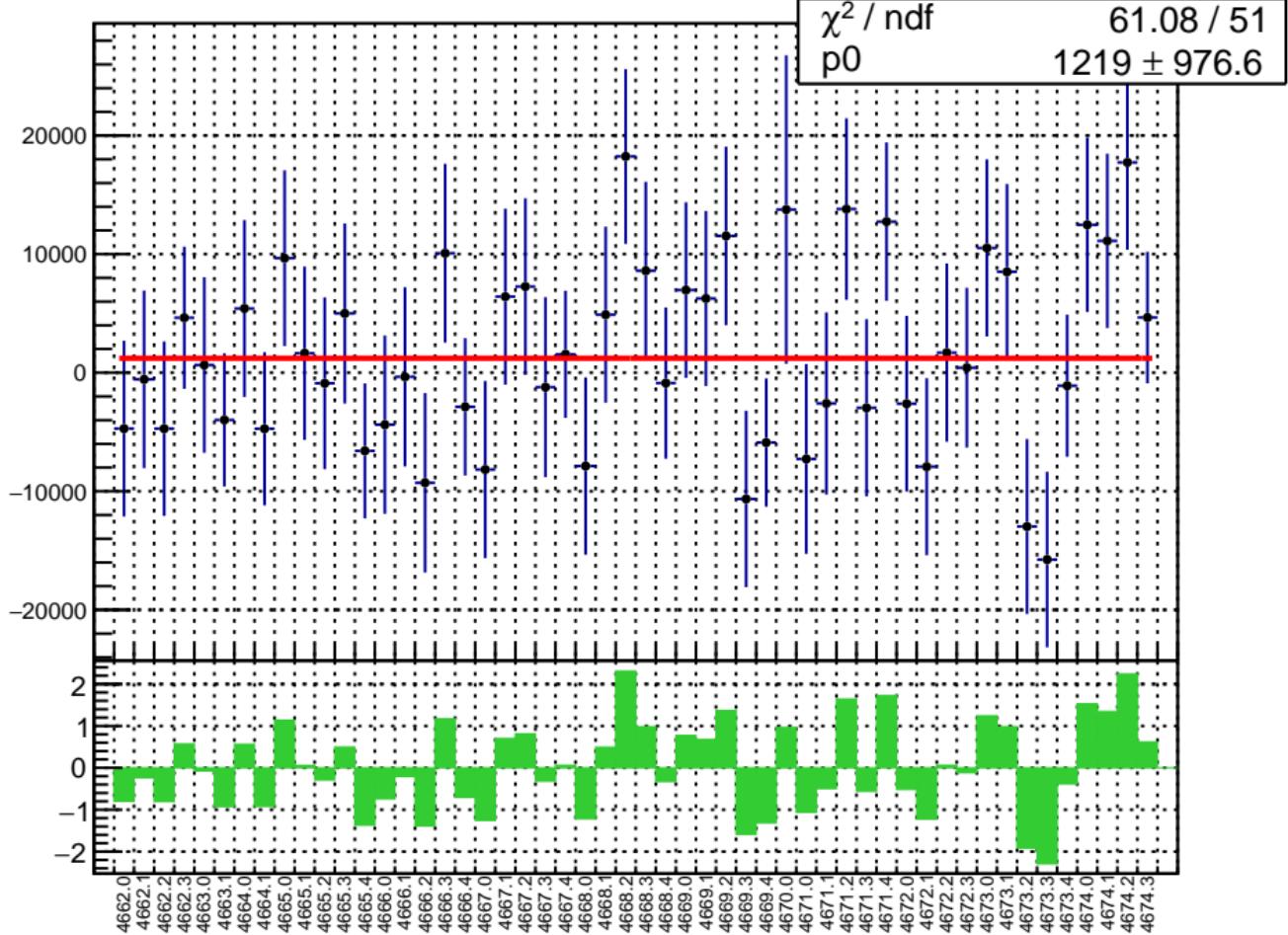
slug73: 1D Corr asym_ds_dd.mean/ppb-reg_asym_ds_dd.mean/ppb



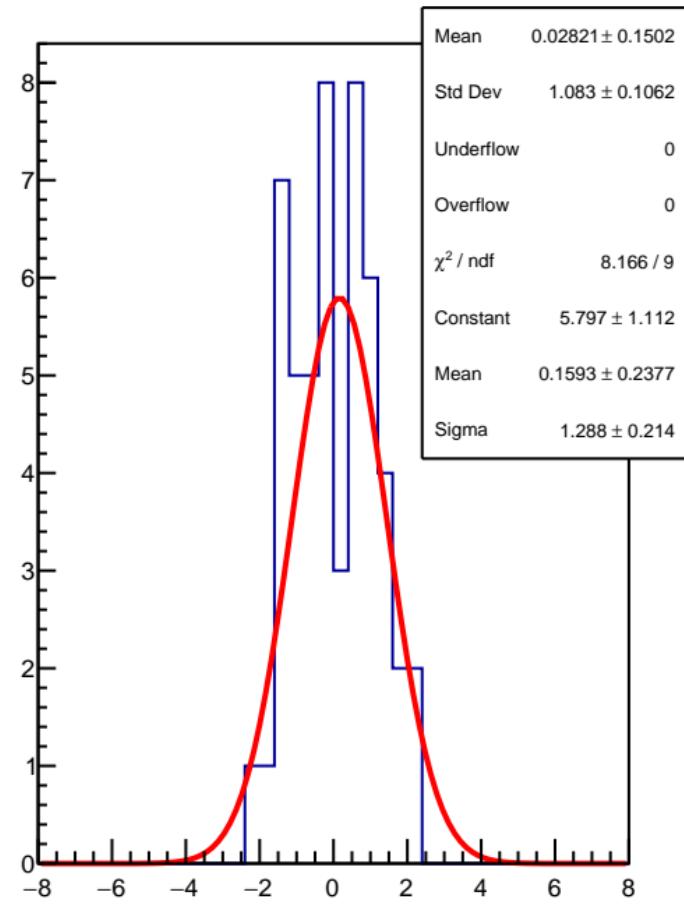
slug73: reg_asym_ds_dd.rms/ppm



slug73: reg_asym_atl1.mean/ppb

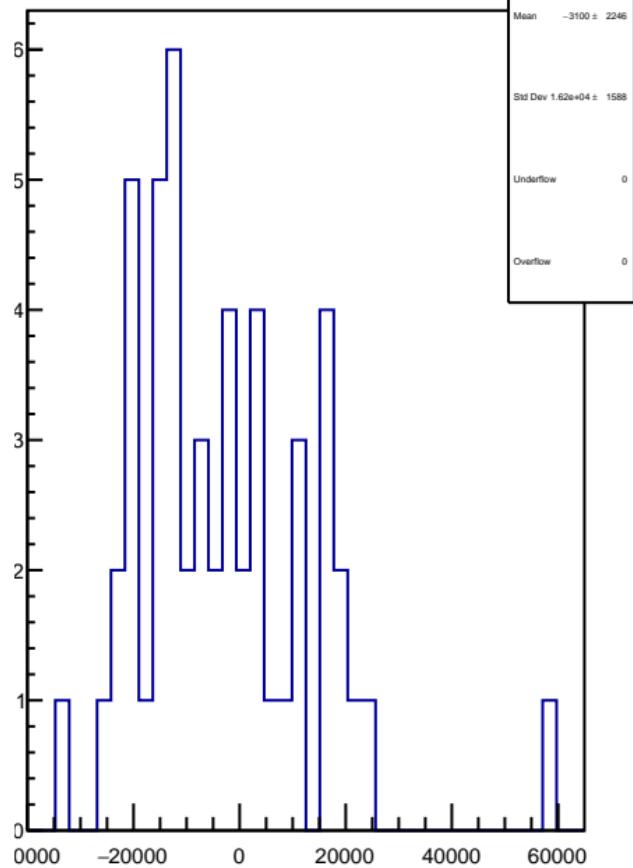
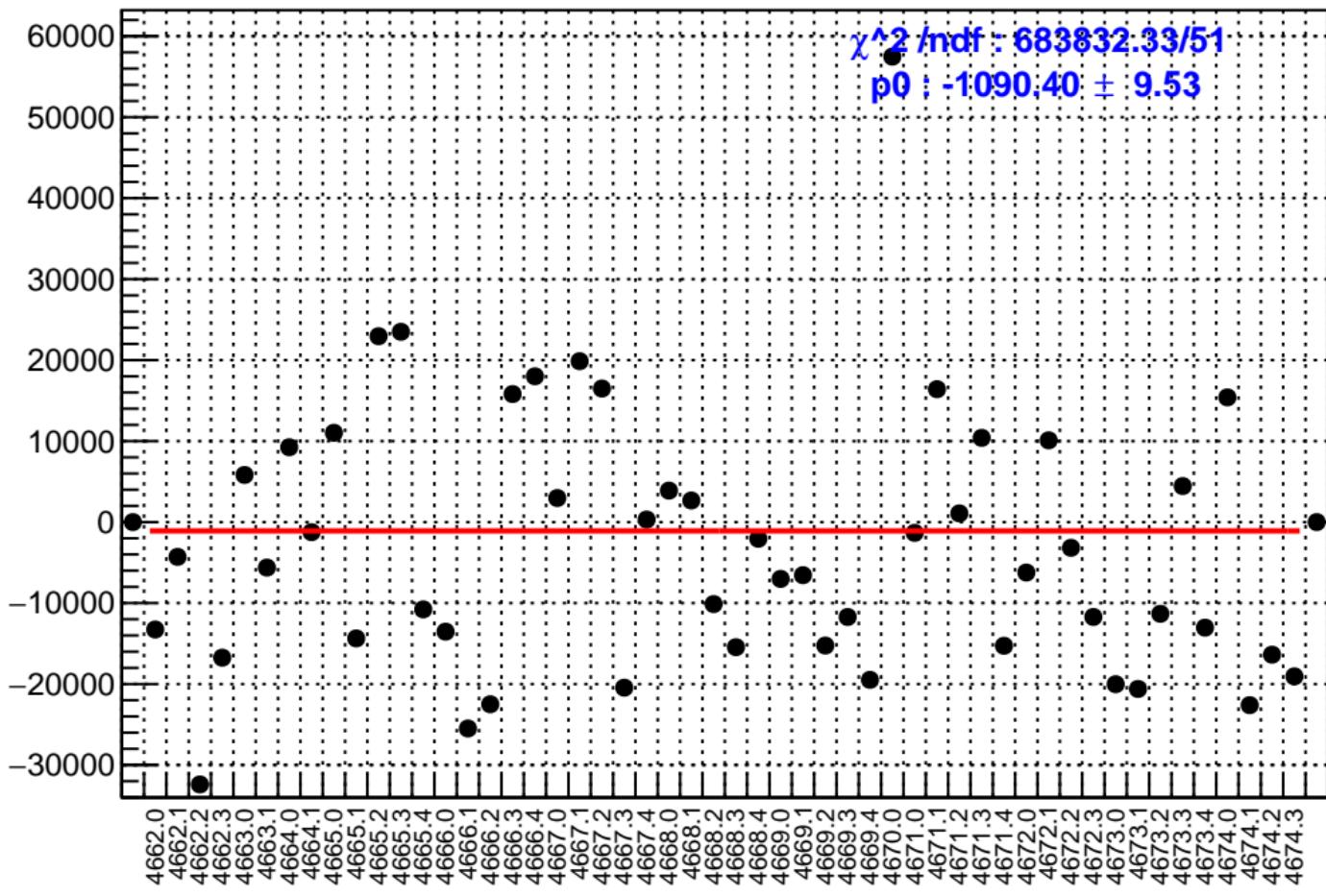


1D pull distribution

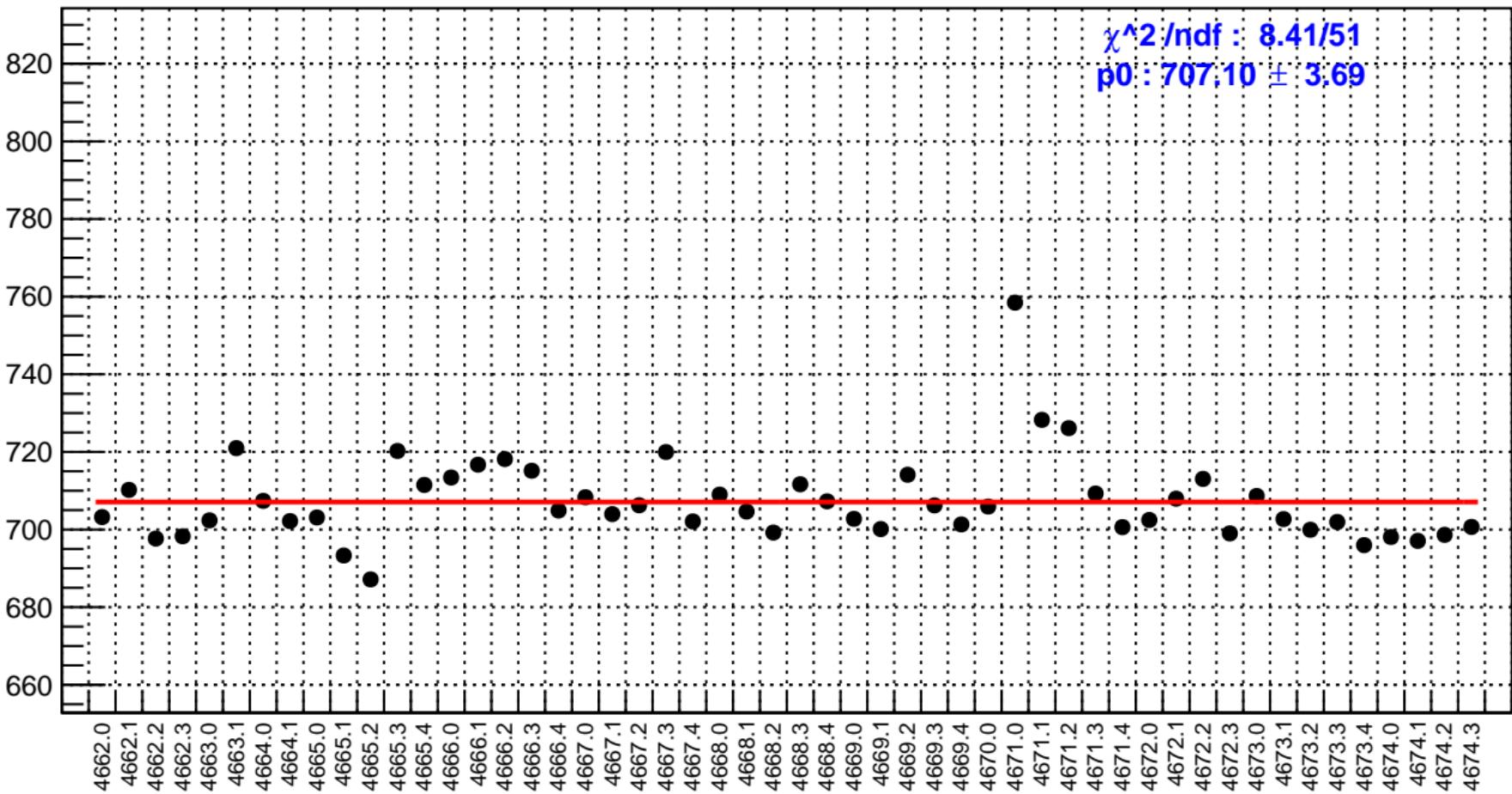


slug73: asym_atl1.mean/ppb-reg_asym_atl1.mean/ppb

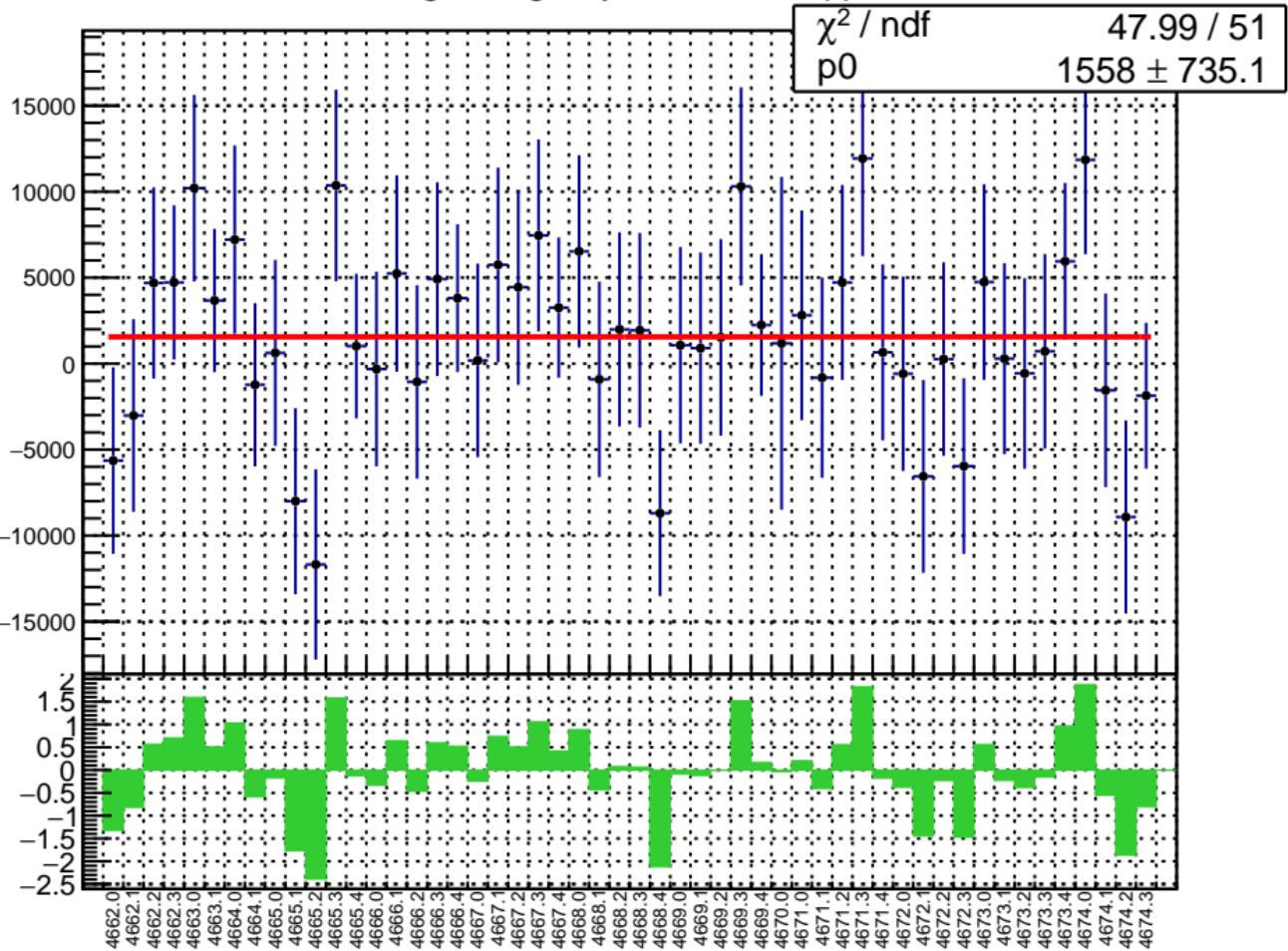
slug73: 1D Corr asym_atl1.mean/ppb-reg_asym_atl1.mean/ppb



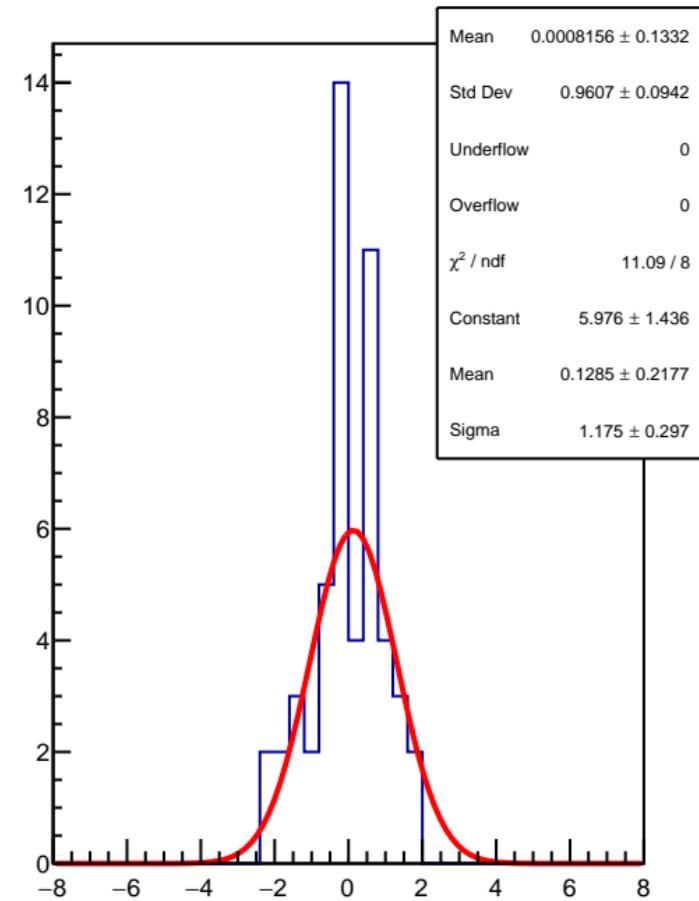
slug73: reg_asym_atl1.rms/ppm



slug73: reg_asym_atl2.mean/ppb

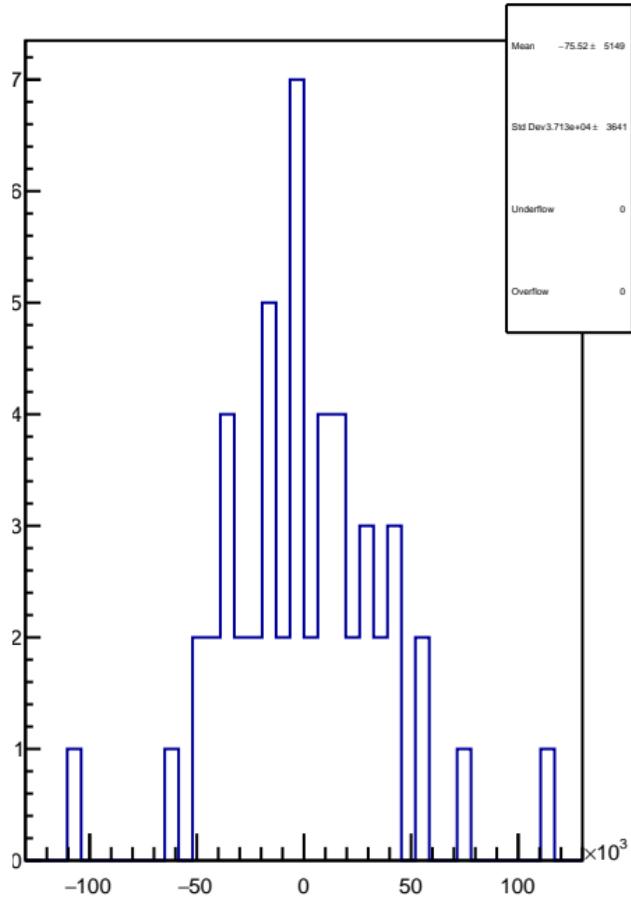
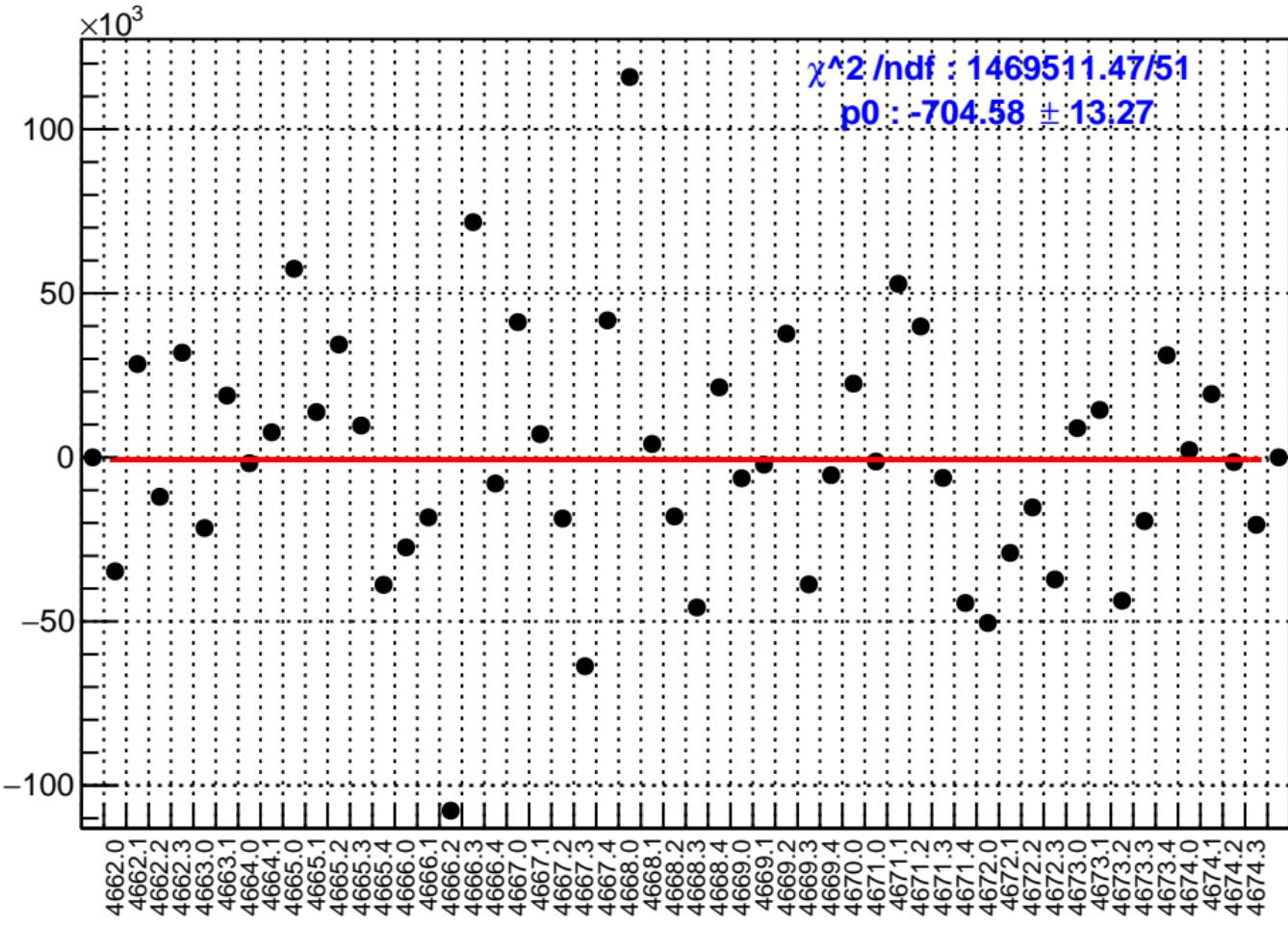


1D pull distribution

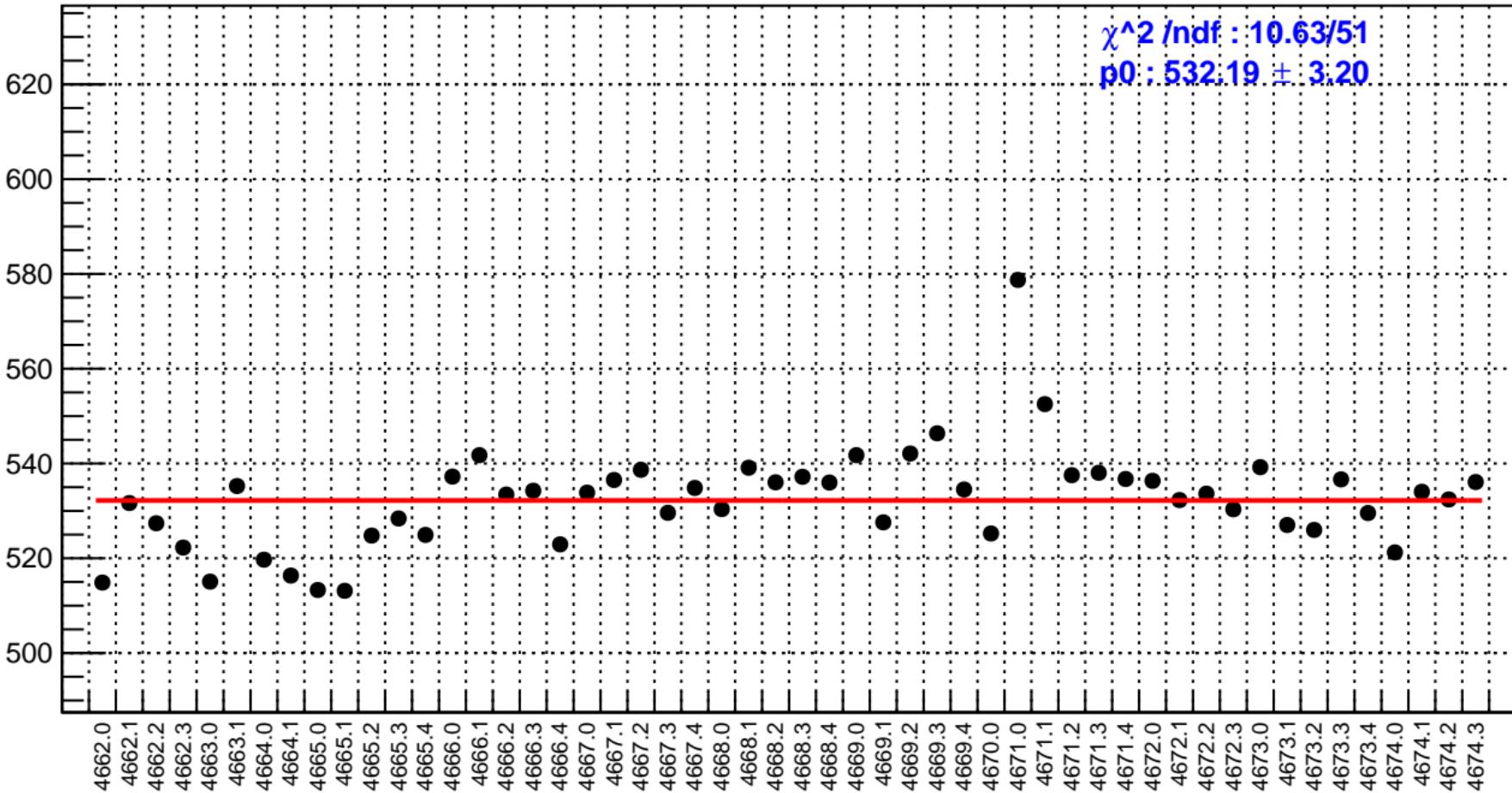


slug73: asym_atl2.mean/ppb-reg_asym_atl2.mean/ppb

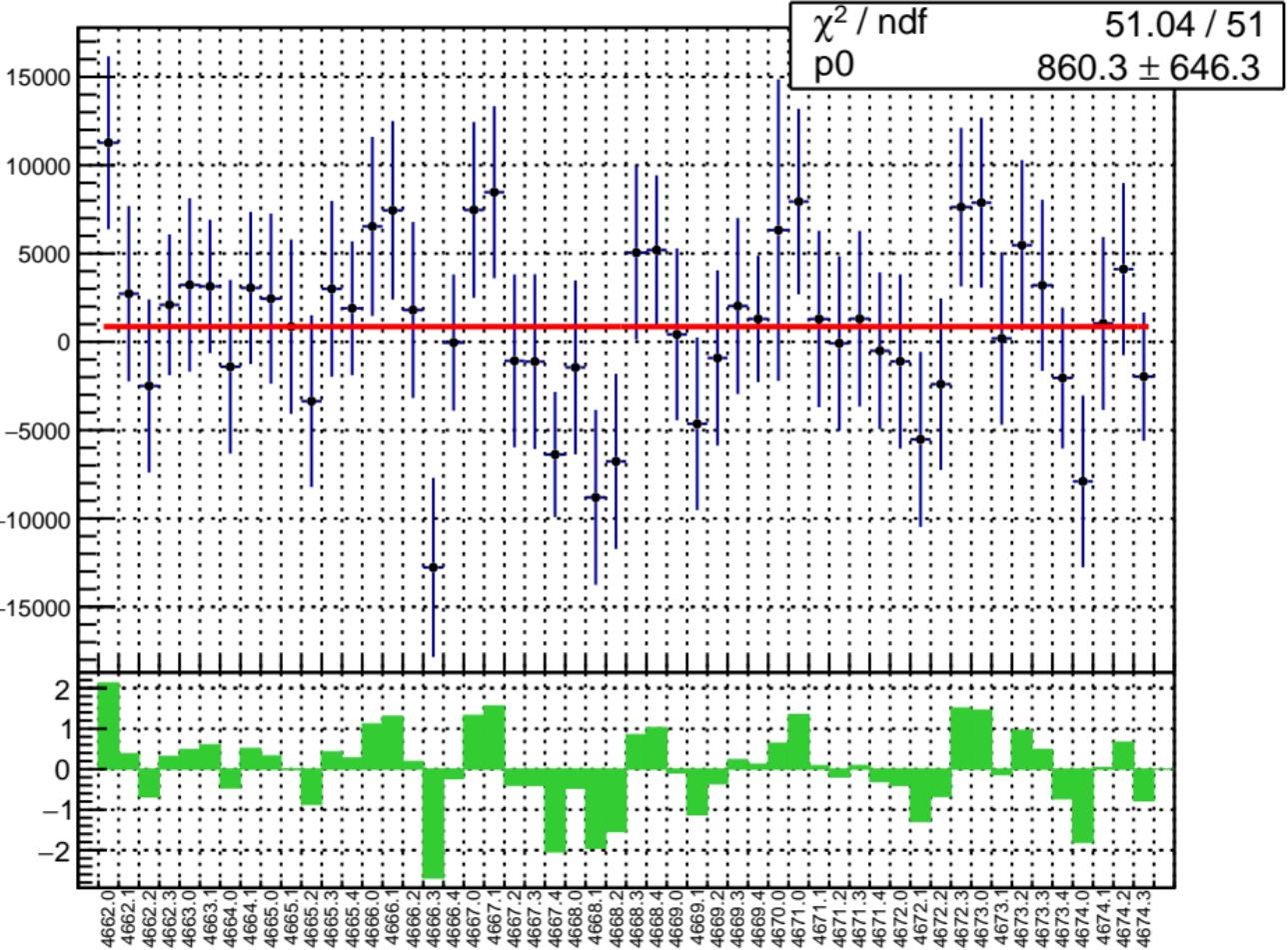
slug73: 1D Corr asym_atl2.mean/ppb-reg_asym_atl2.mean/ppb



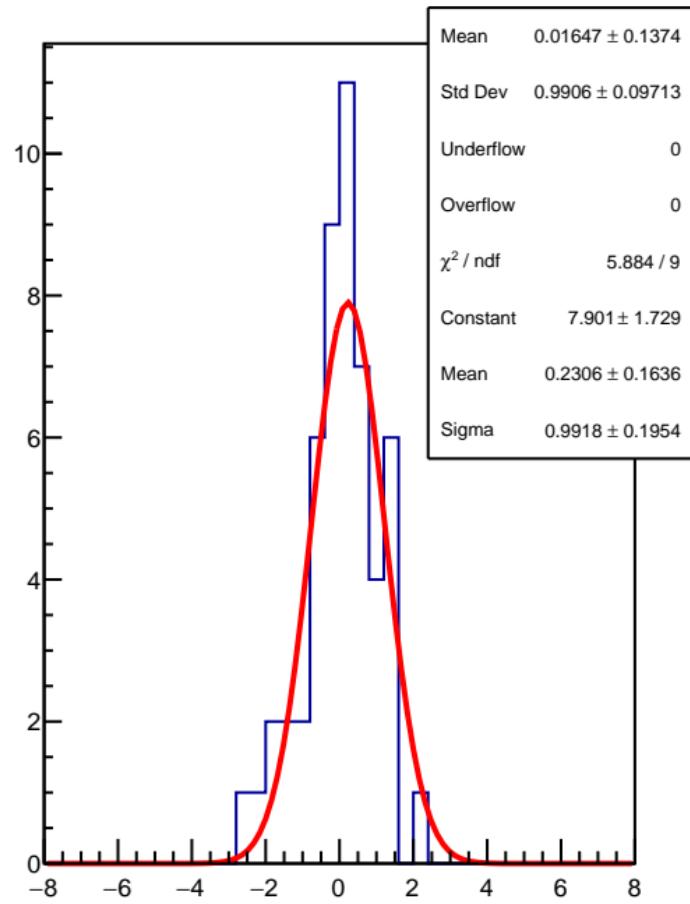
slug73: reg_asym_atl2.rms/ppm



slug73: reg_asym_atr1.mean/ppb

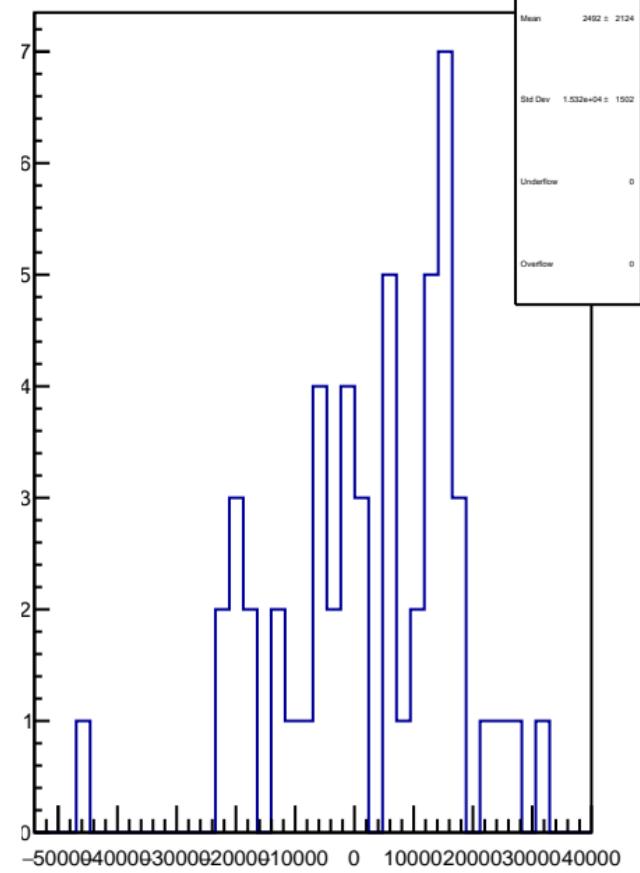
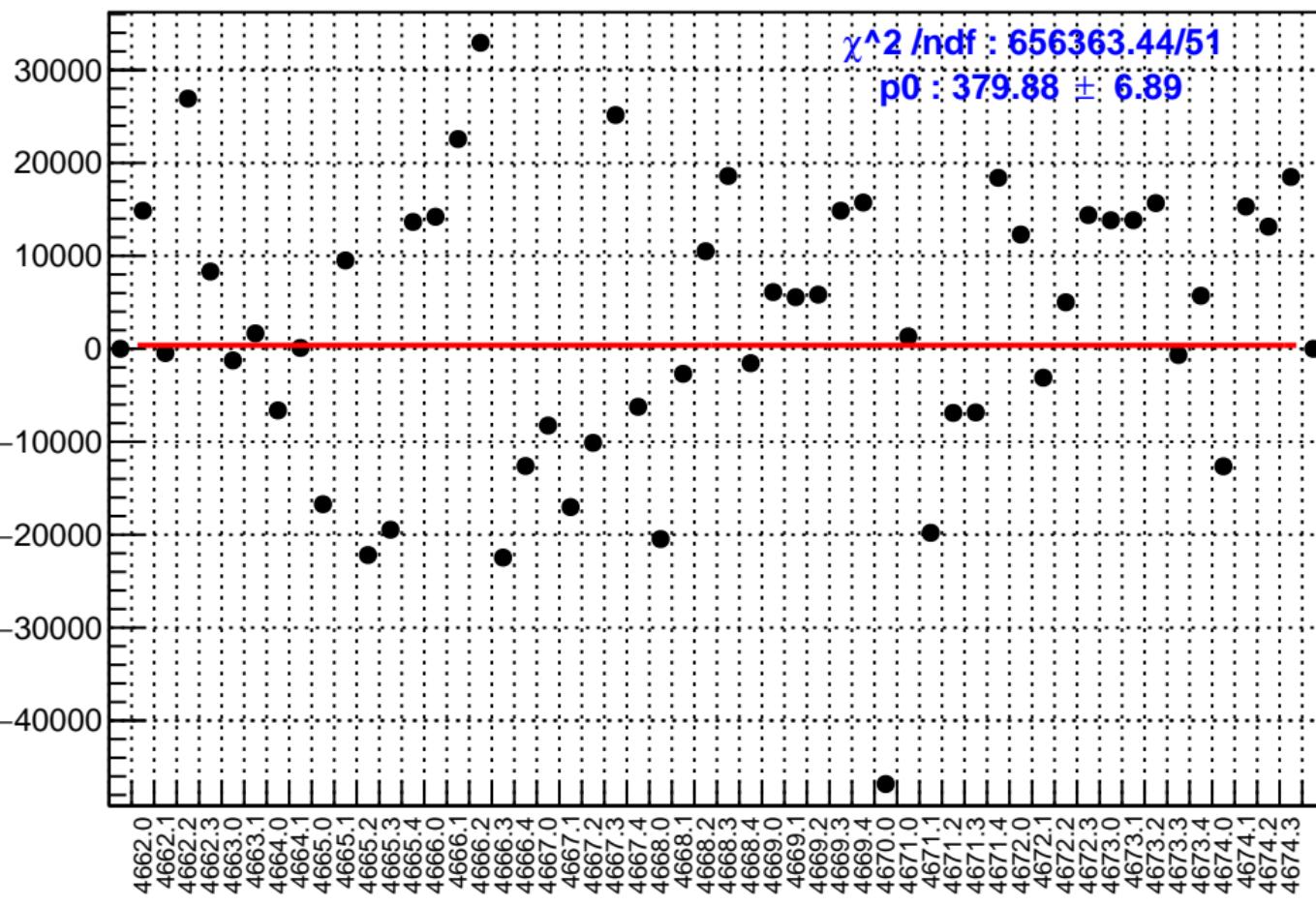


1D pull distribution

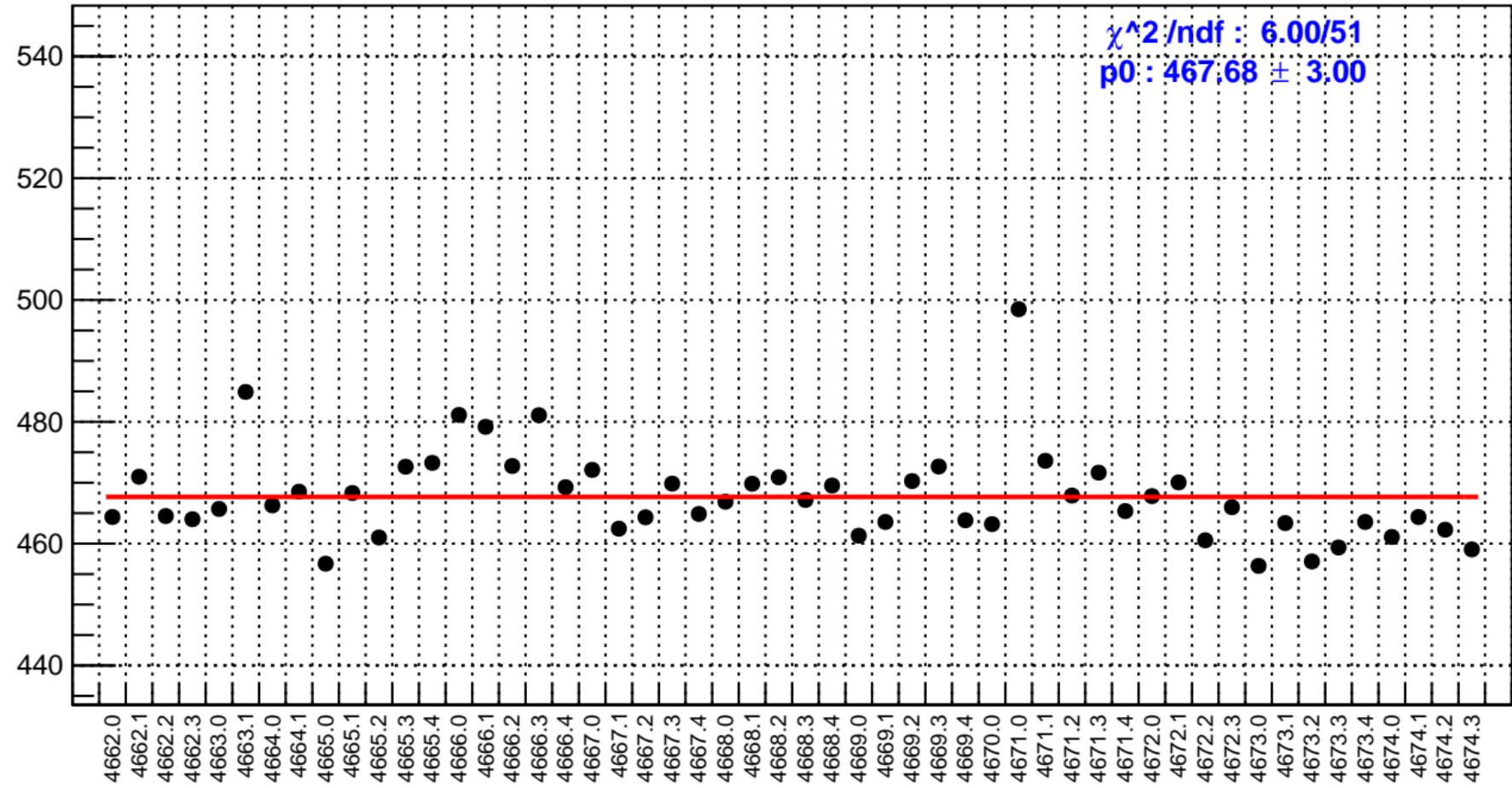


slug73: asym_atr1.mean/ppb-reg_asym_atr1.mean/ppb

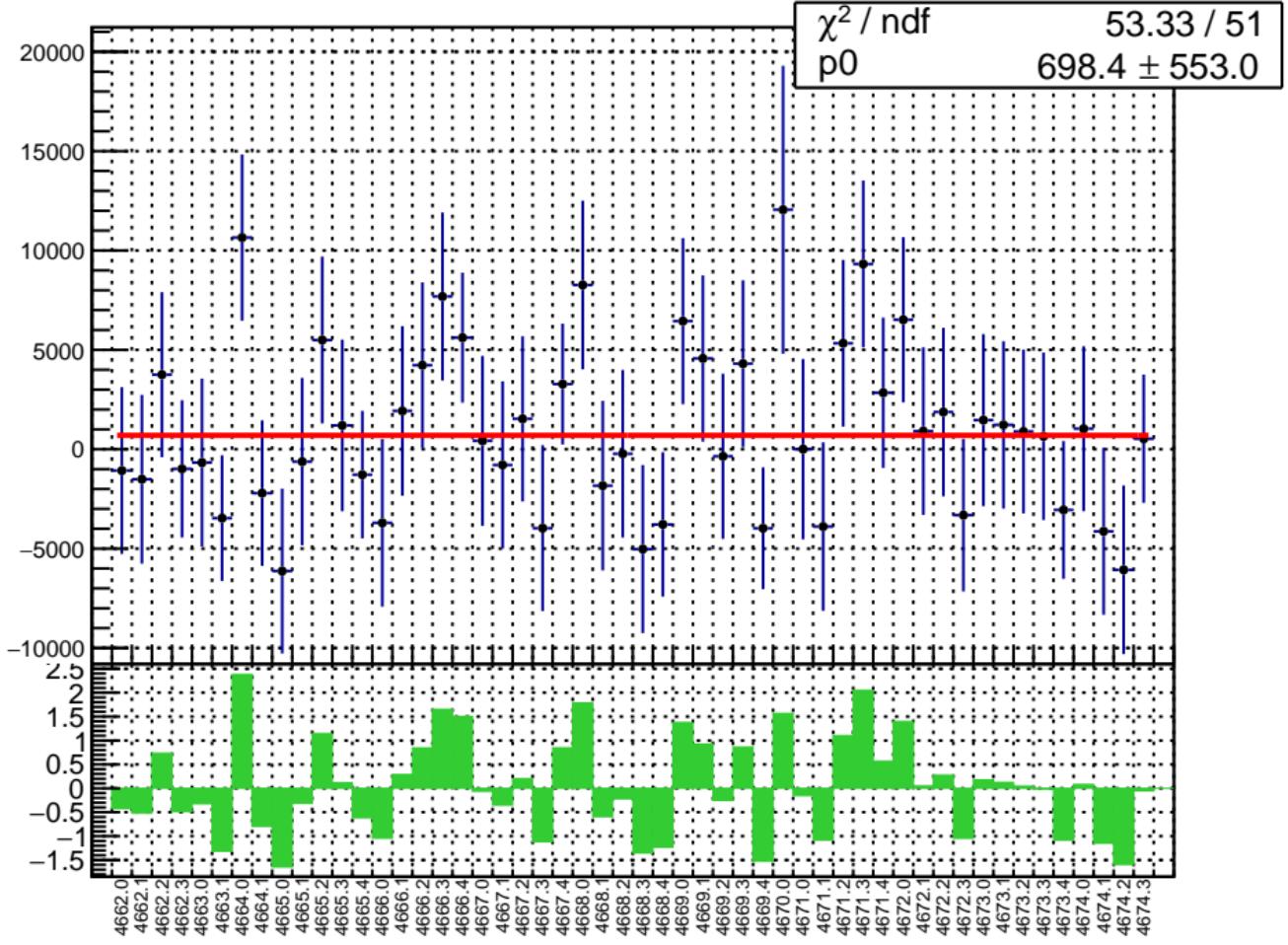
slug73: 1D Corr asym_atr1.mean/ppb-reg_asym_atr1.mean/ppb



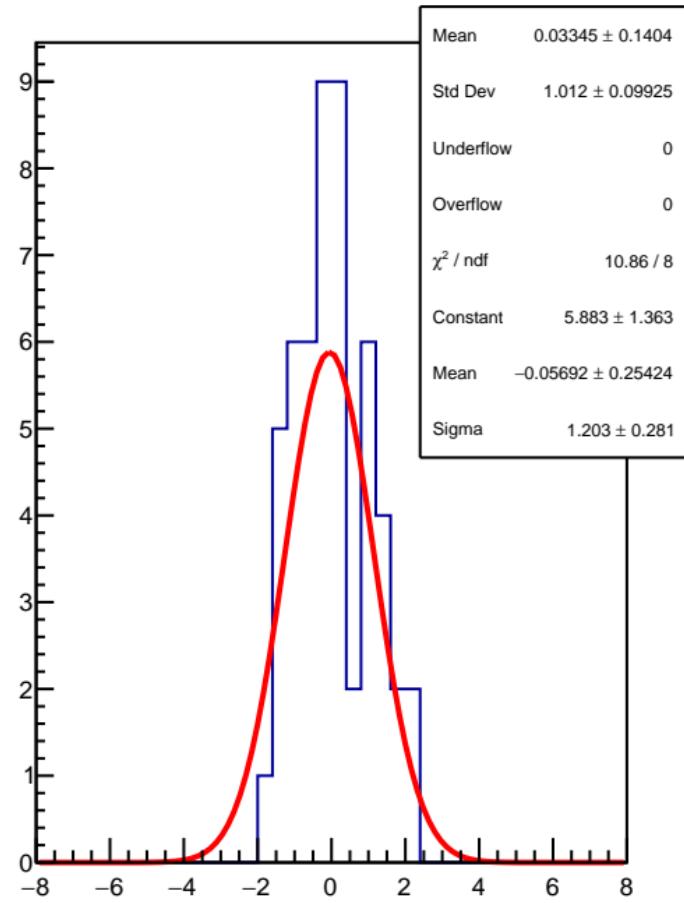
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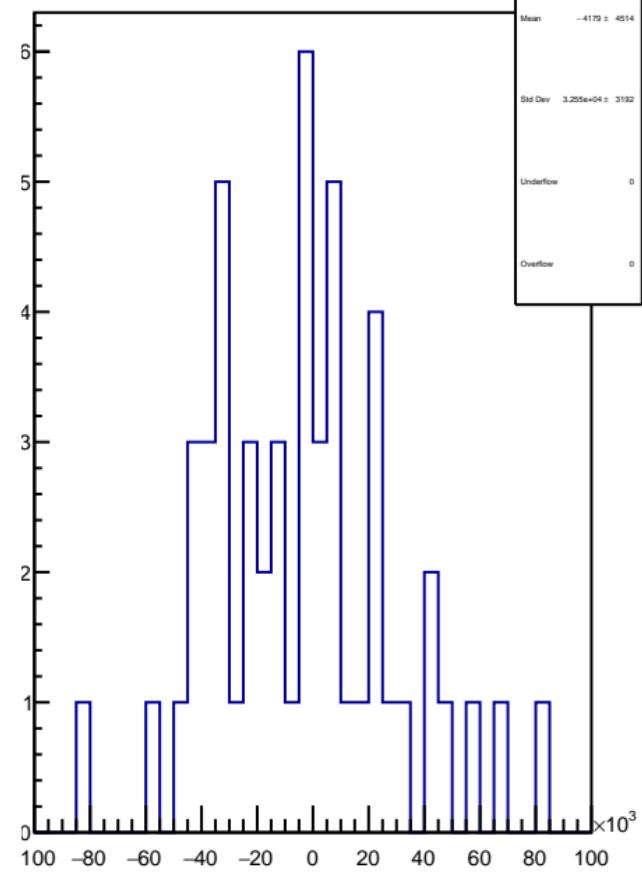
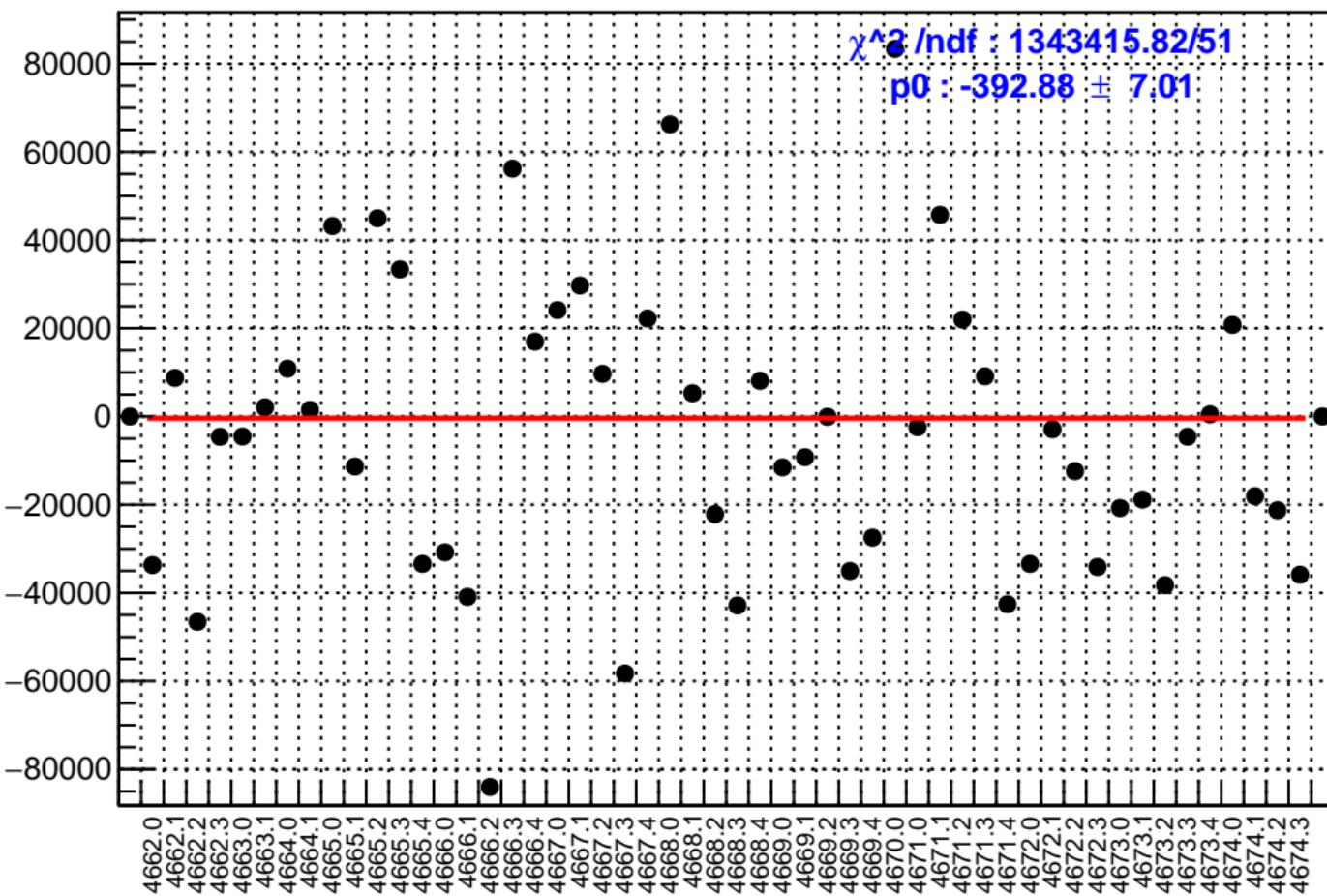


1D pull distribution

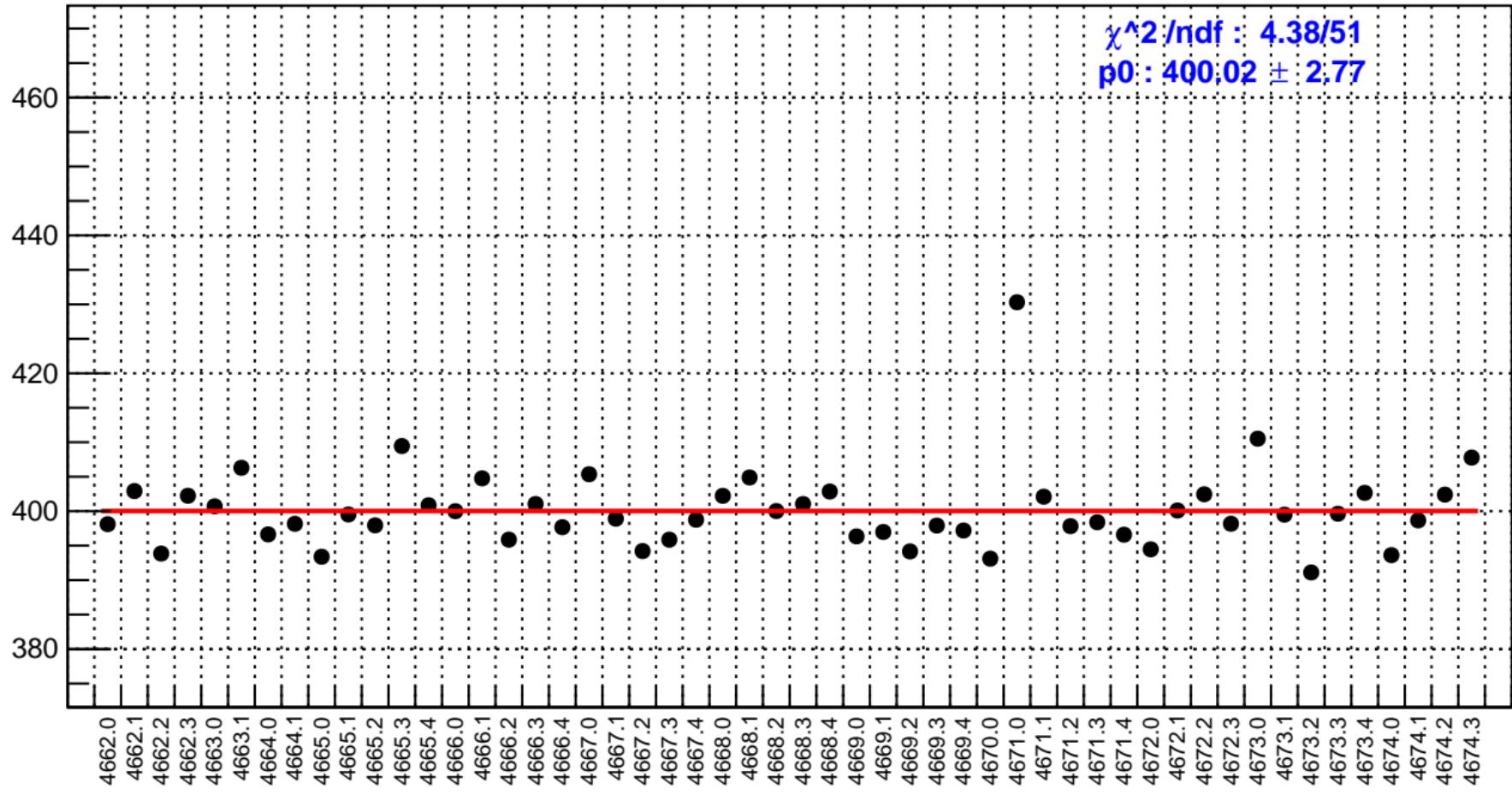


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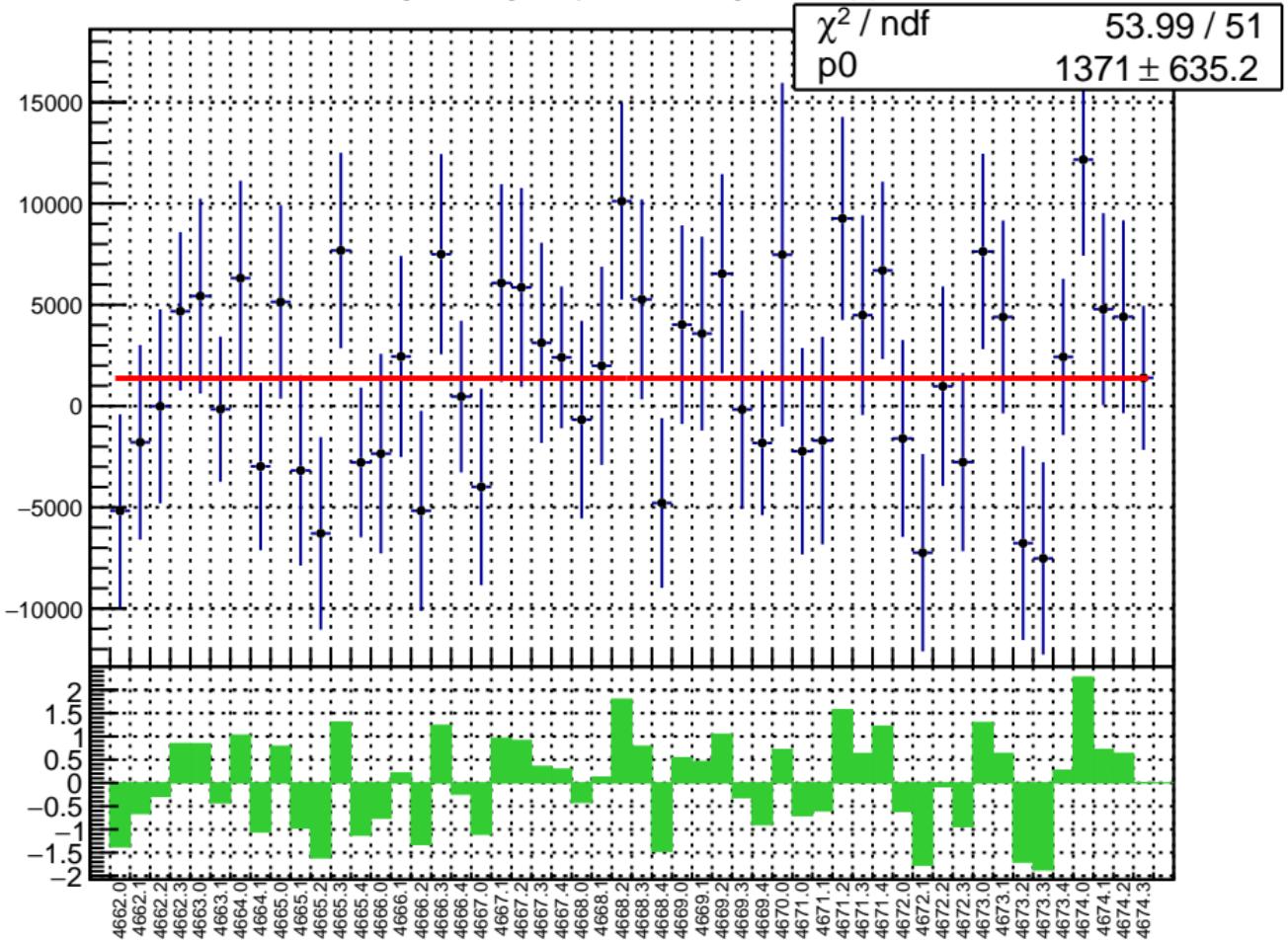
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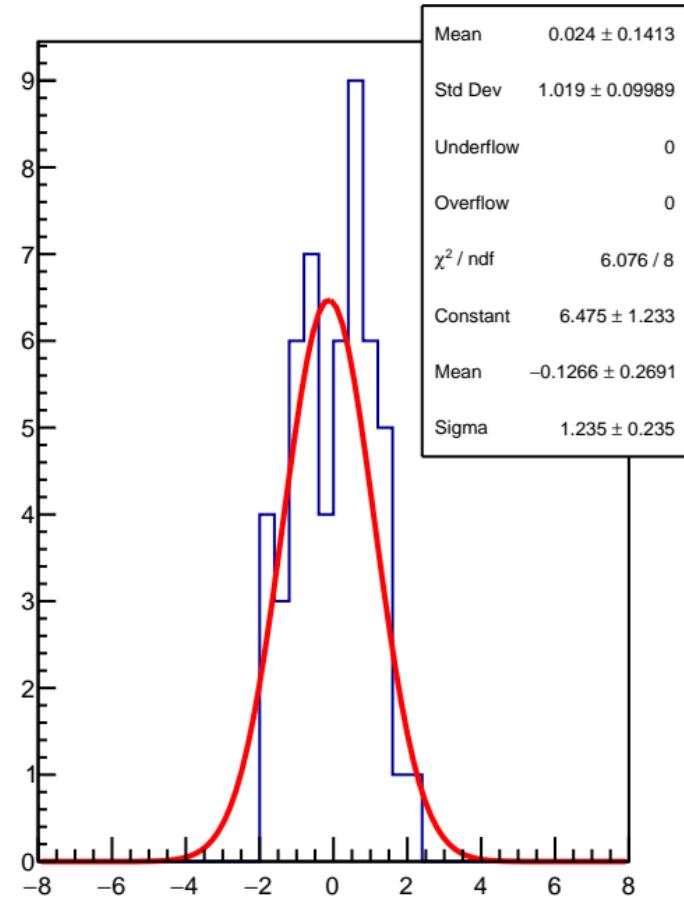
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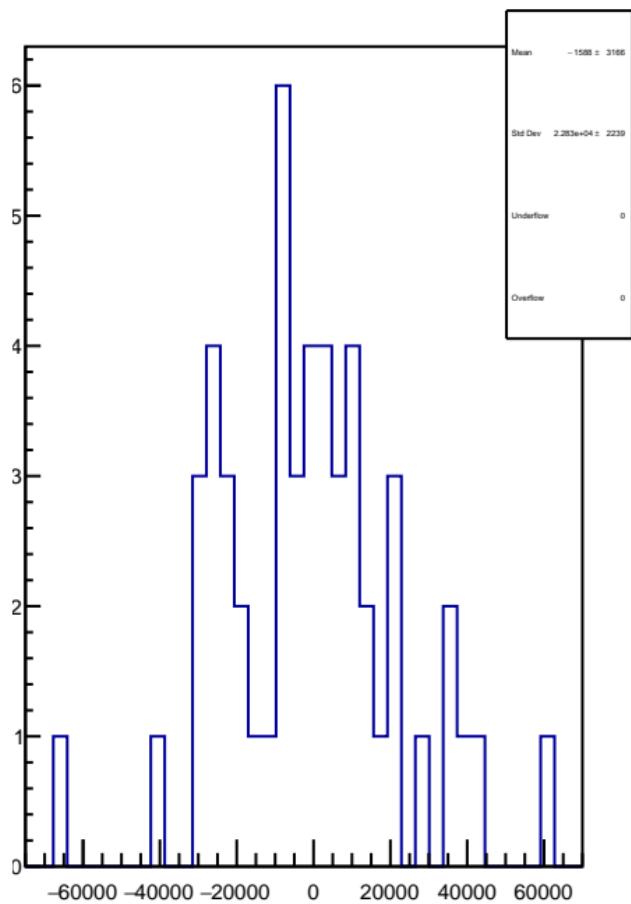
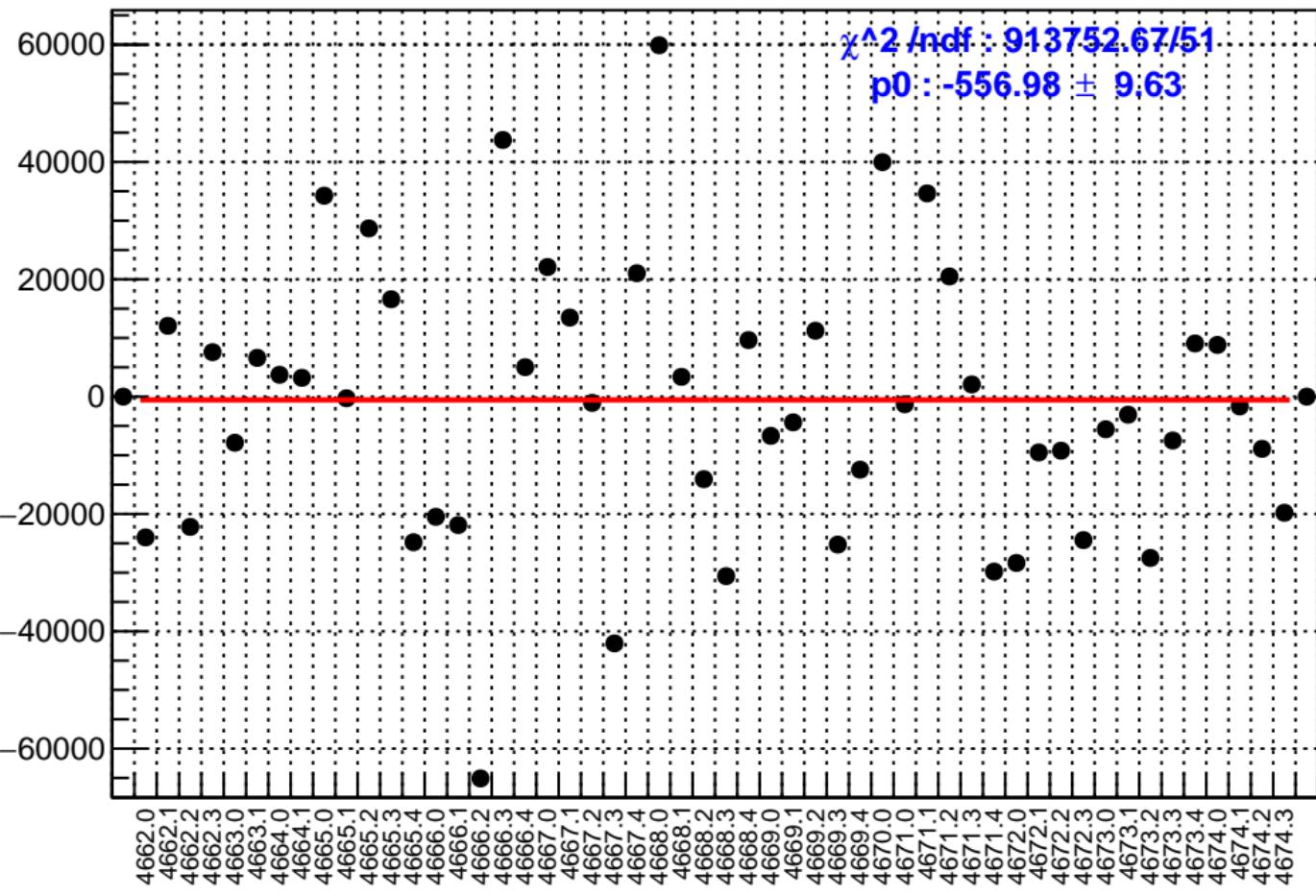


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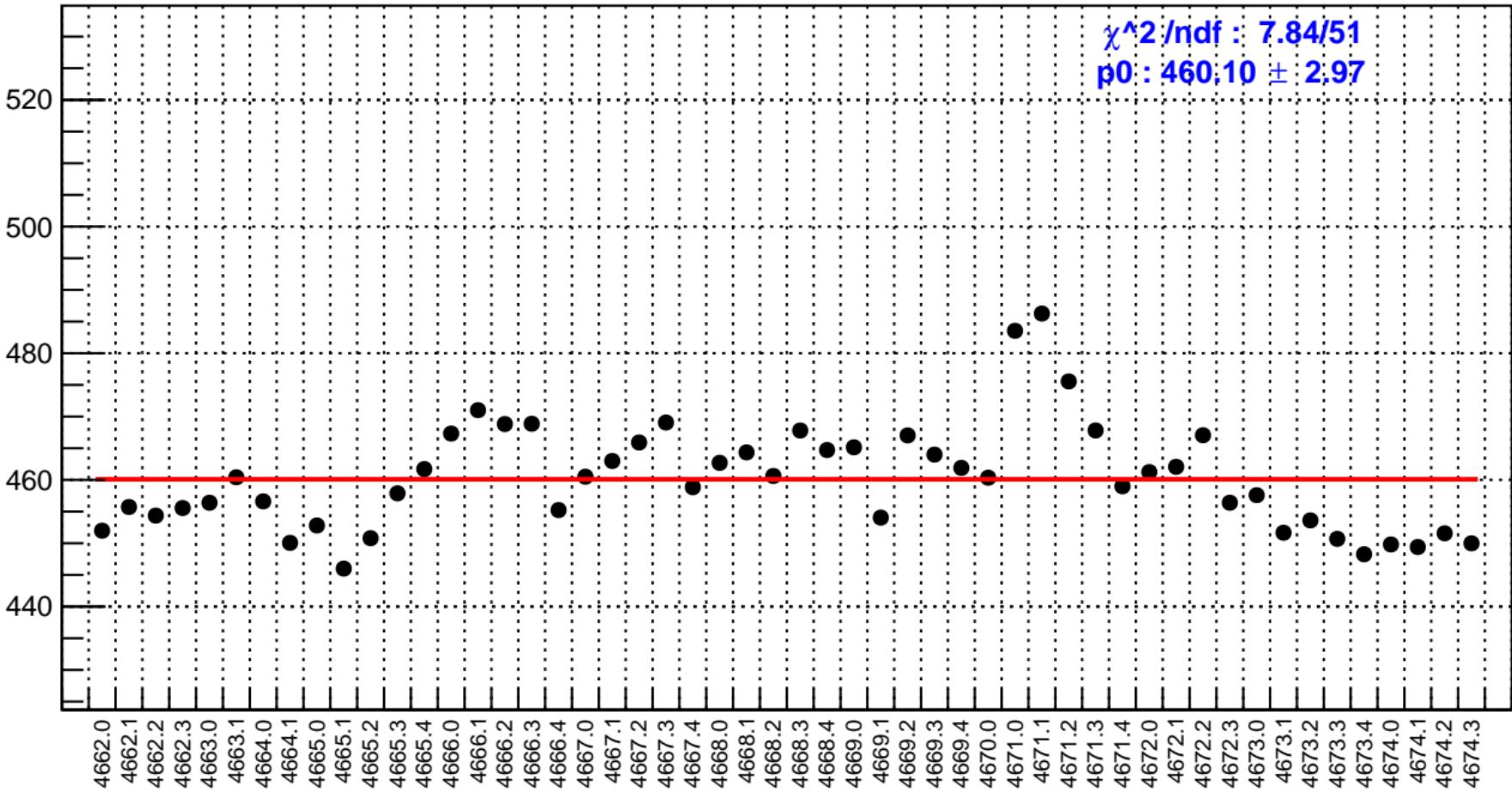


1D pull distribution

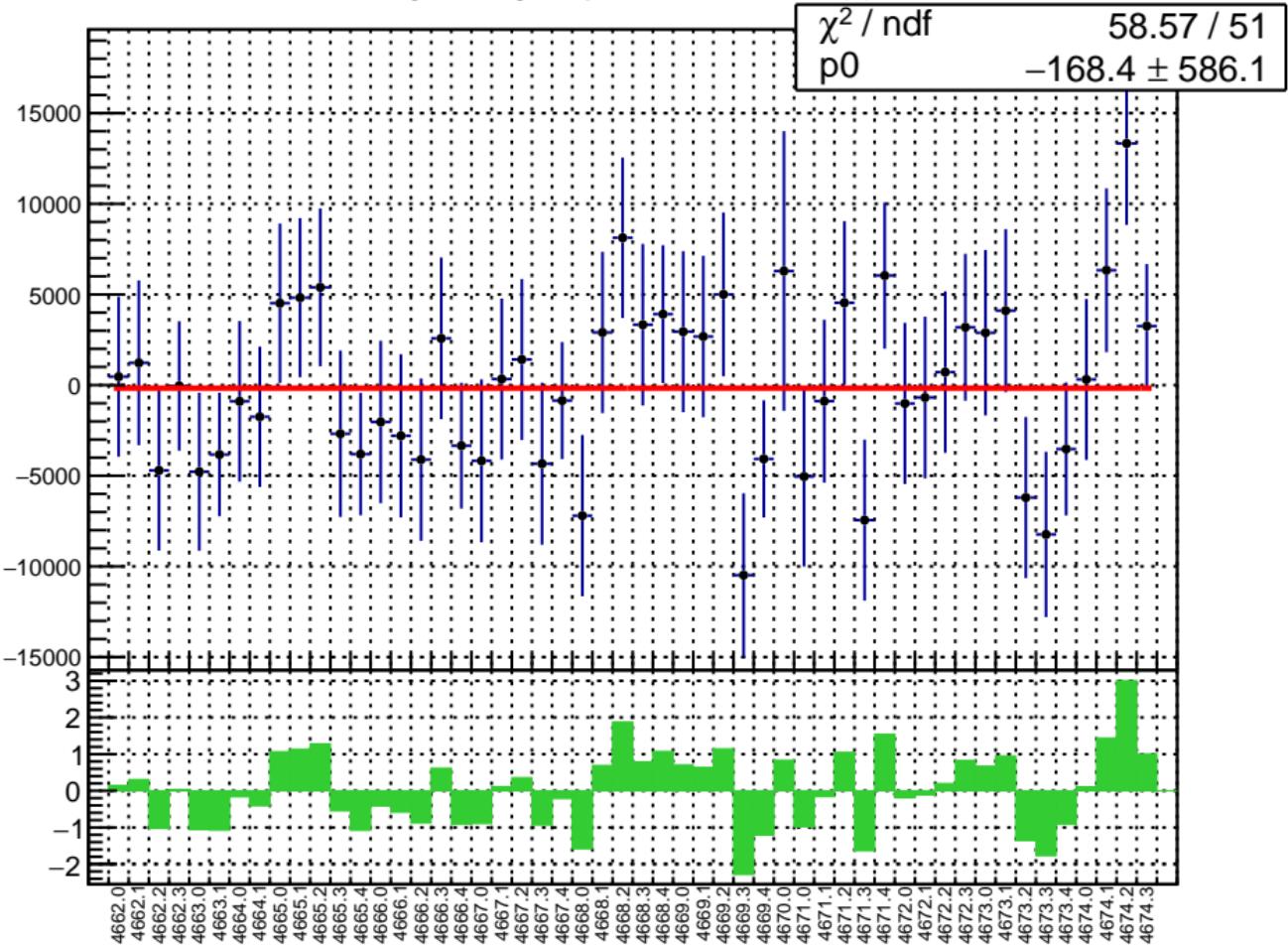




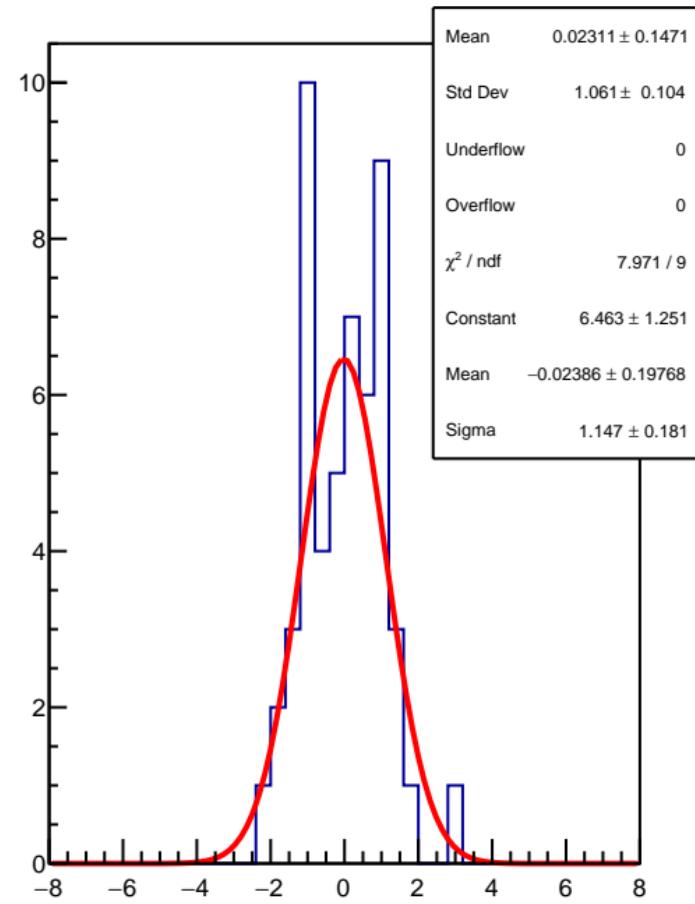
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slug73: reg_asym_atl_dd.mean/ppb

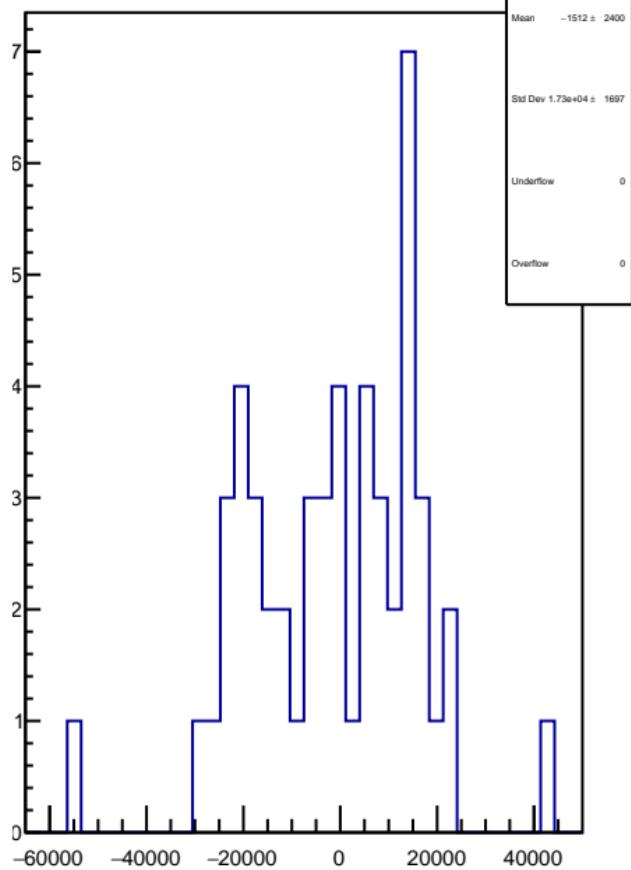
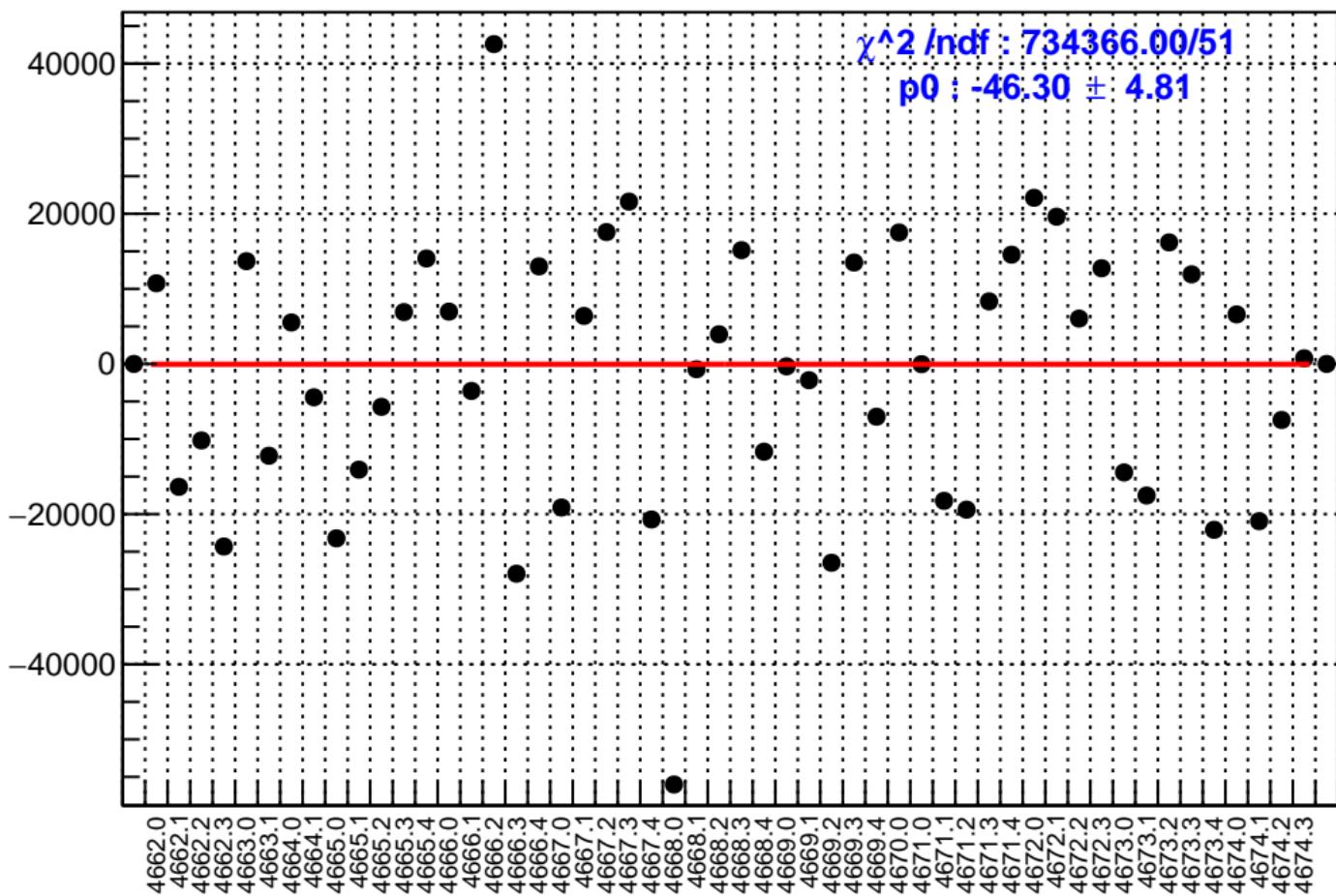


1D pull distribution



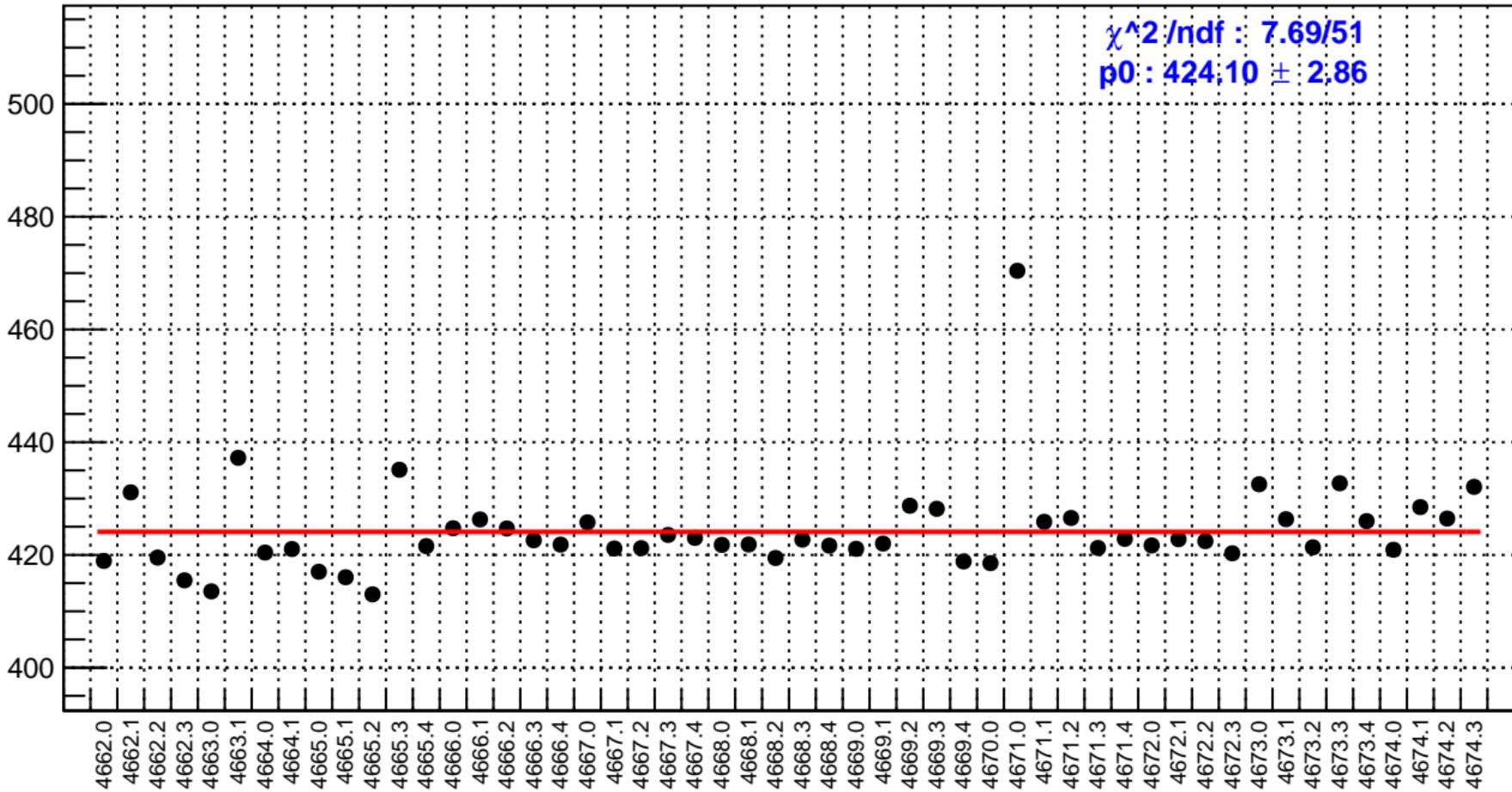
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slug73: 1D Corr asym_atl_dd.mean/ppb-reg_asym_atl_dd.mean/ppb

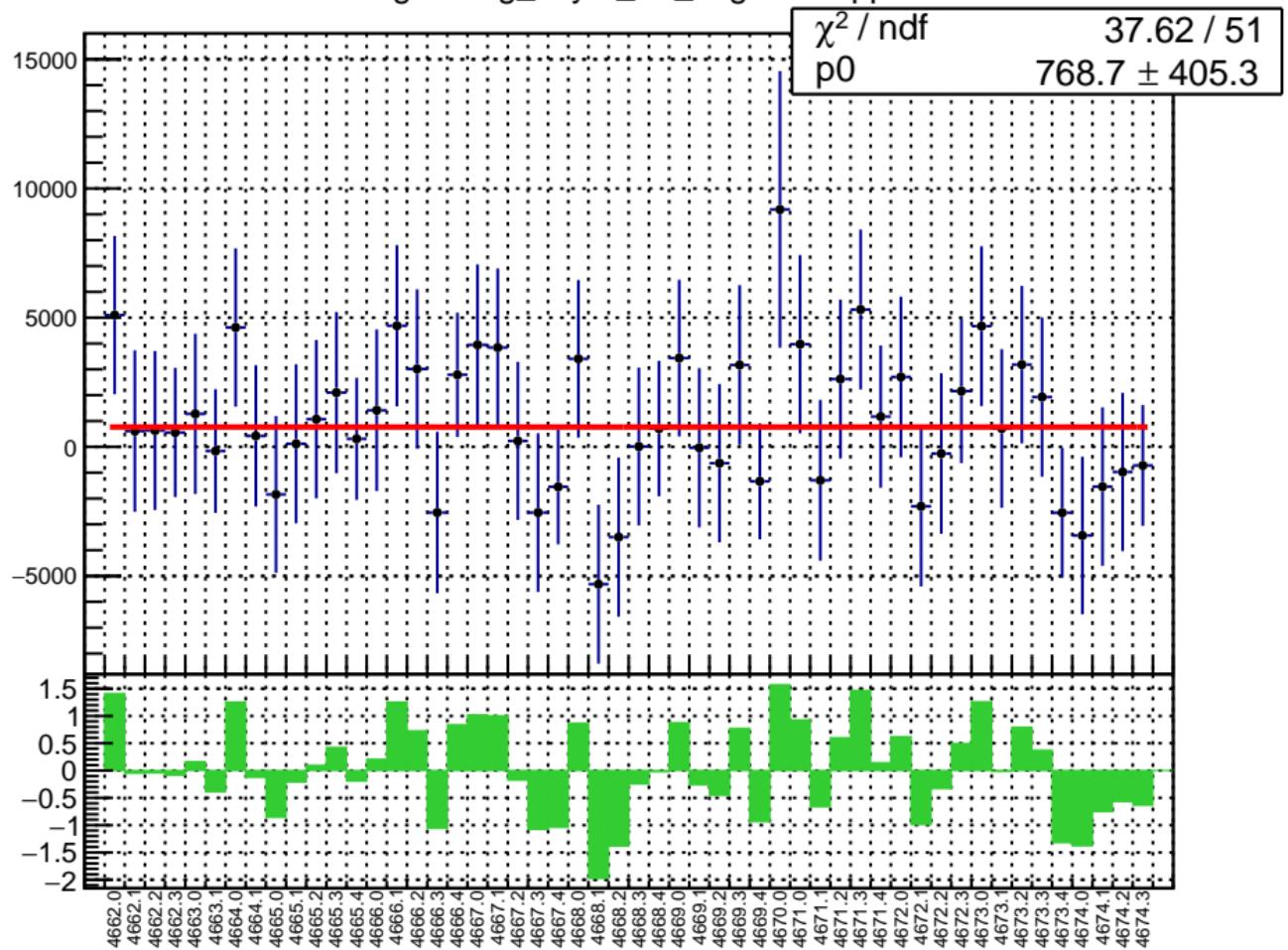


slug73: reg_asym_atl_dd.rms/ppm

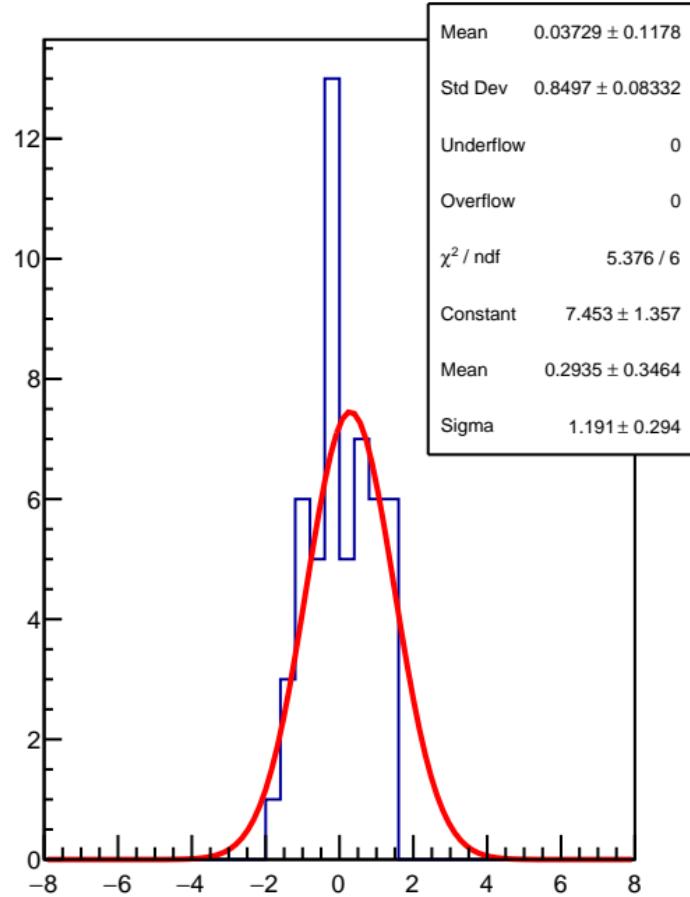
$\chi^2/\text{ndf} : 7.69/51$
 $p0 : 424.10 \pm 2.86$



slug73: reg_asym_atr_avg.mean/ppb

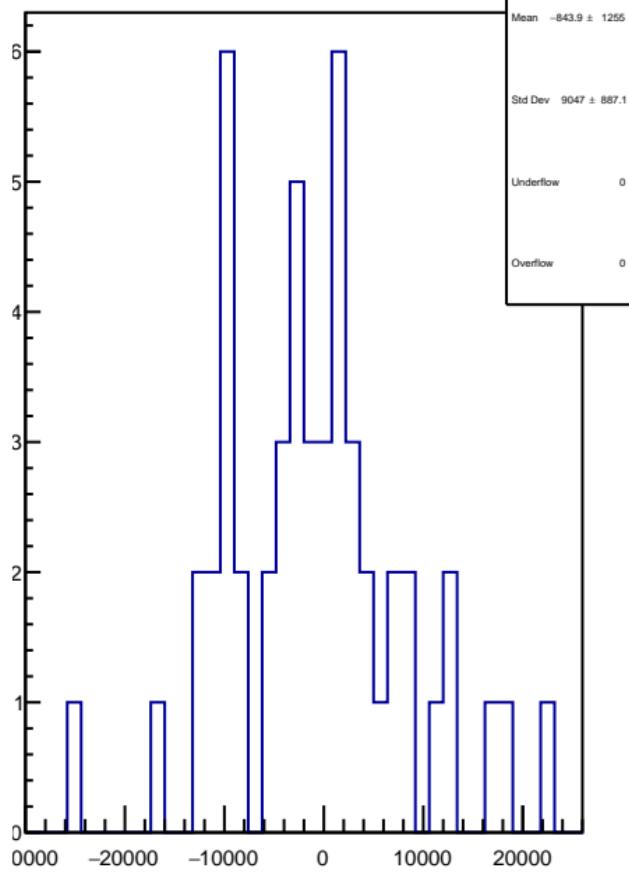
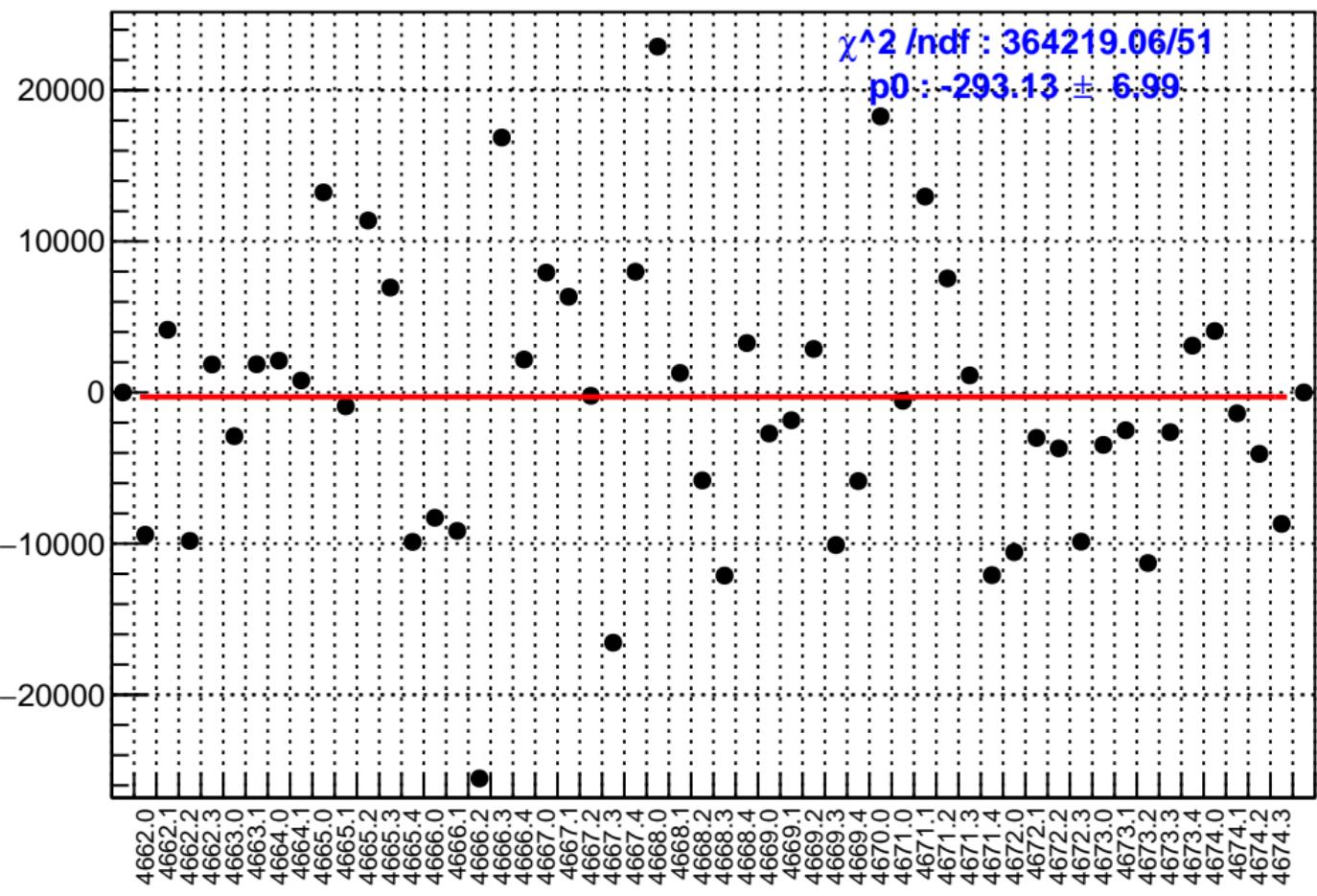


1D pull distribution

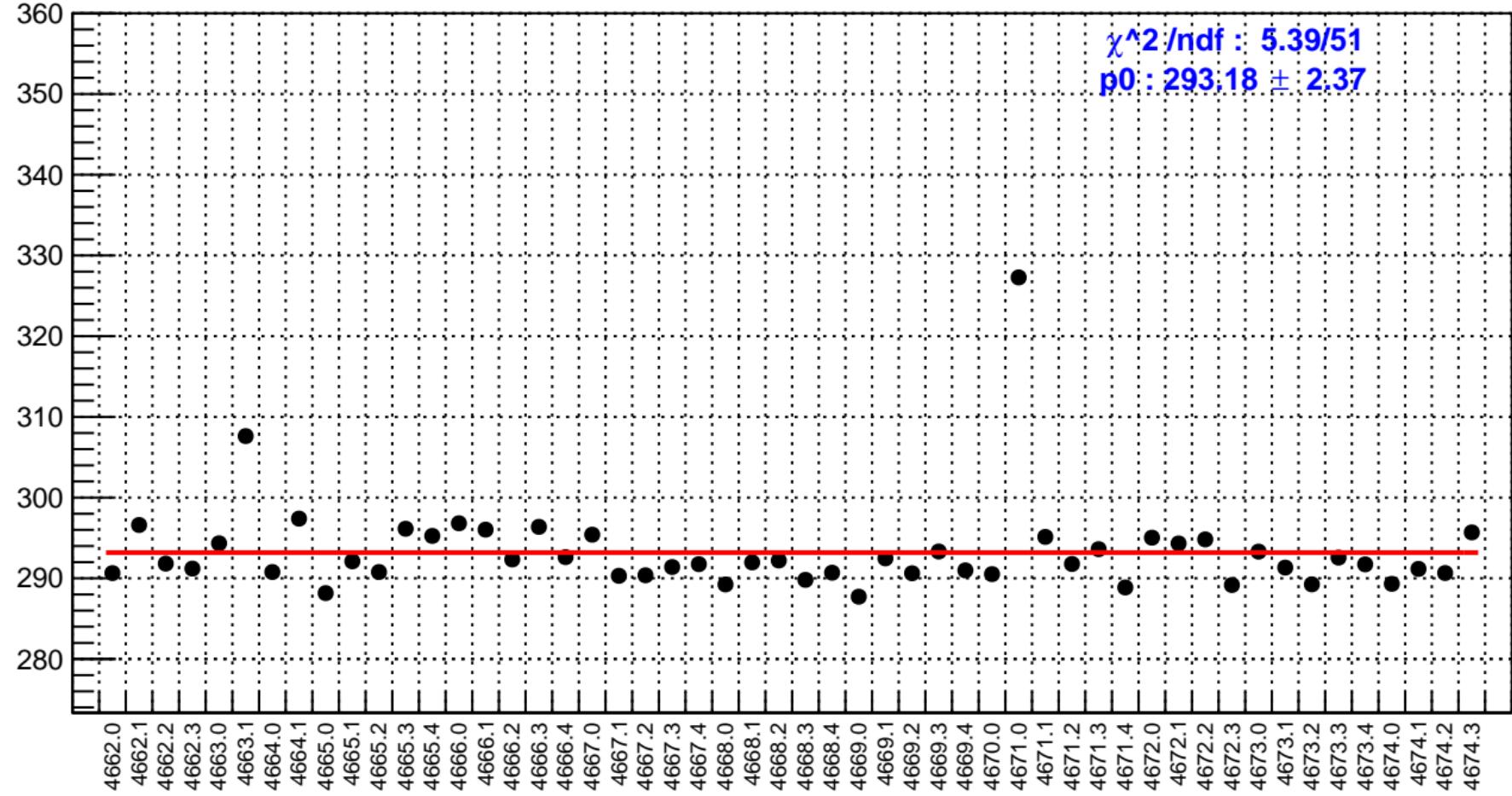


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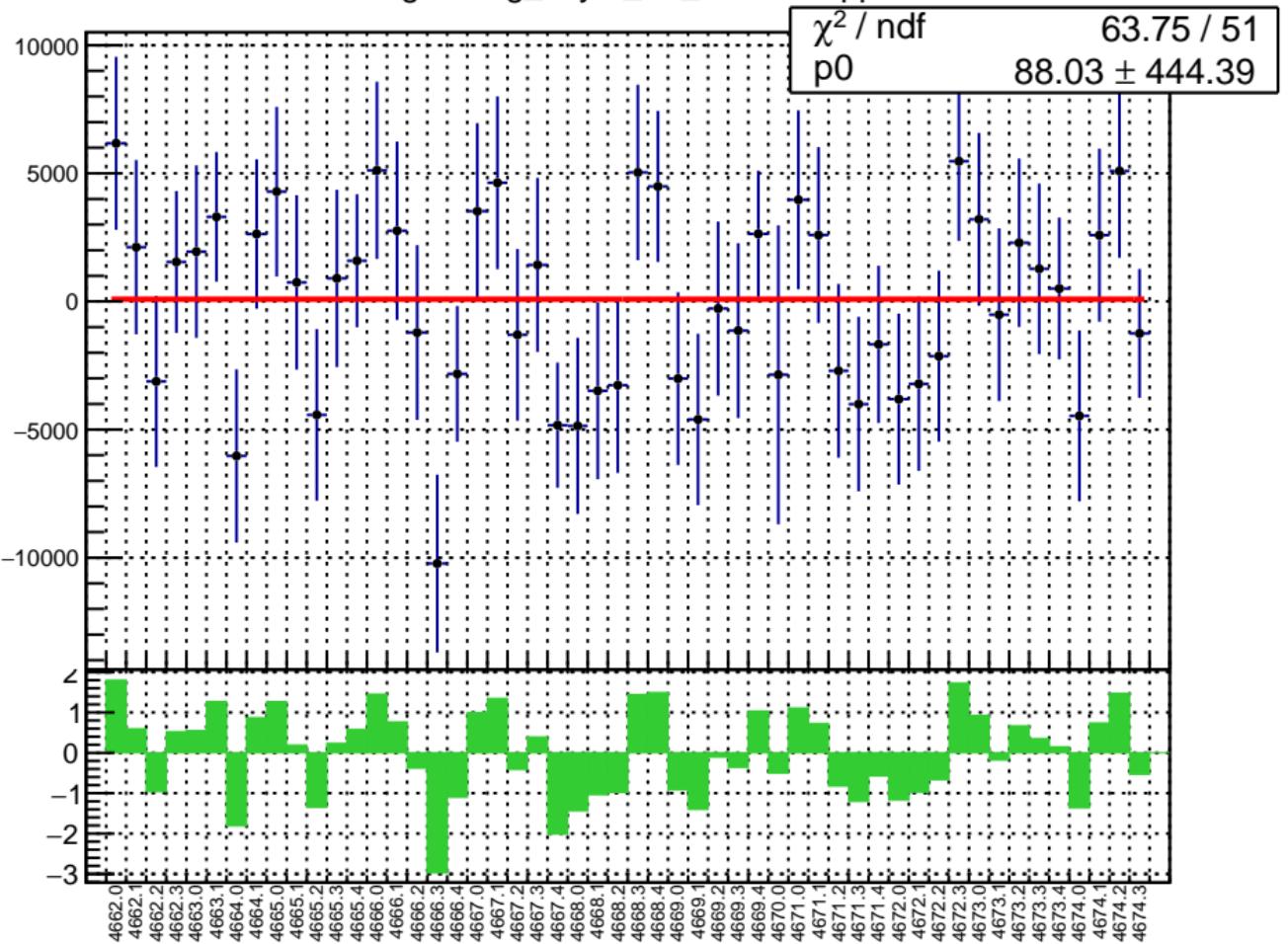
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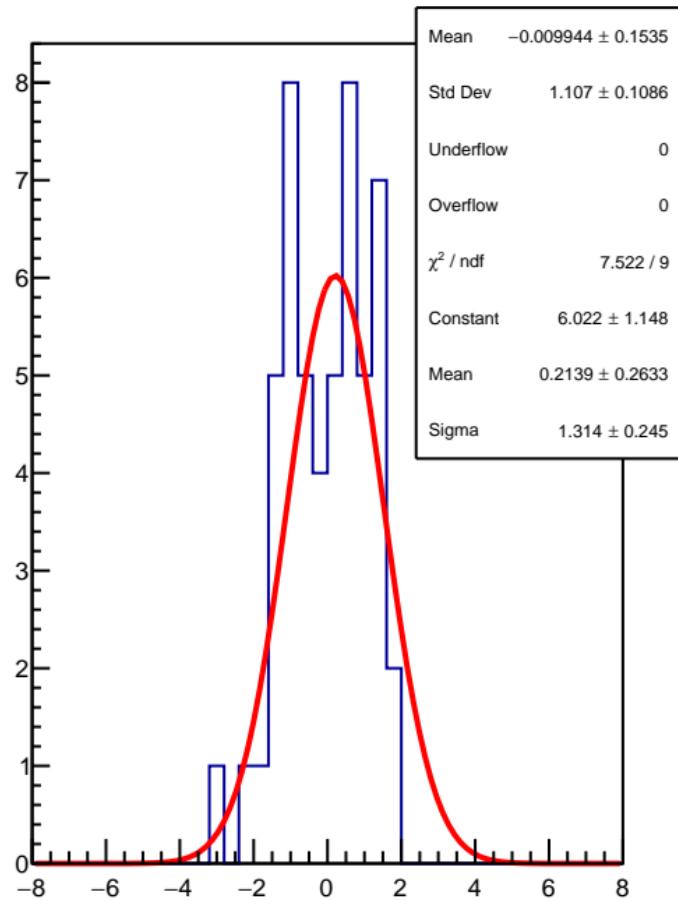
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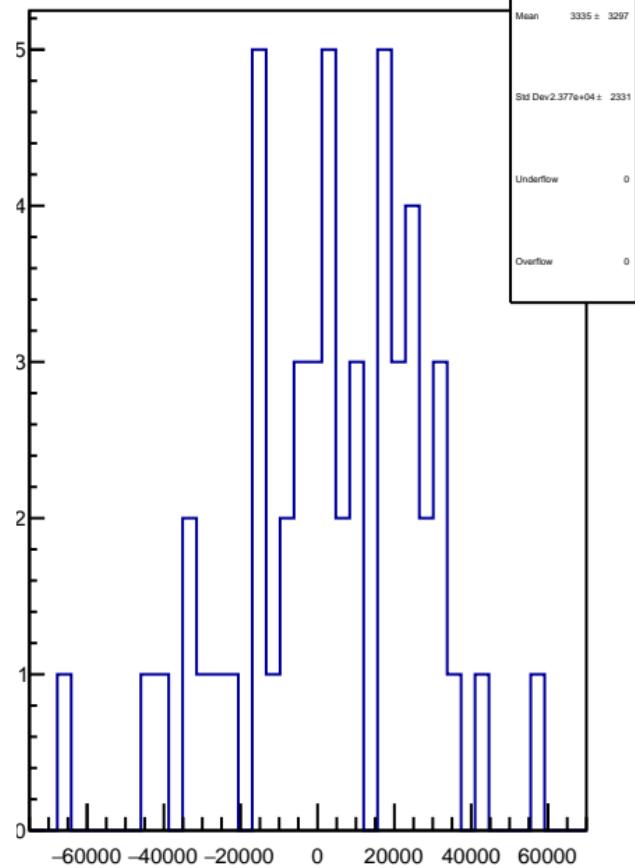
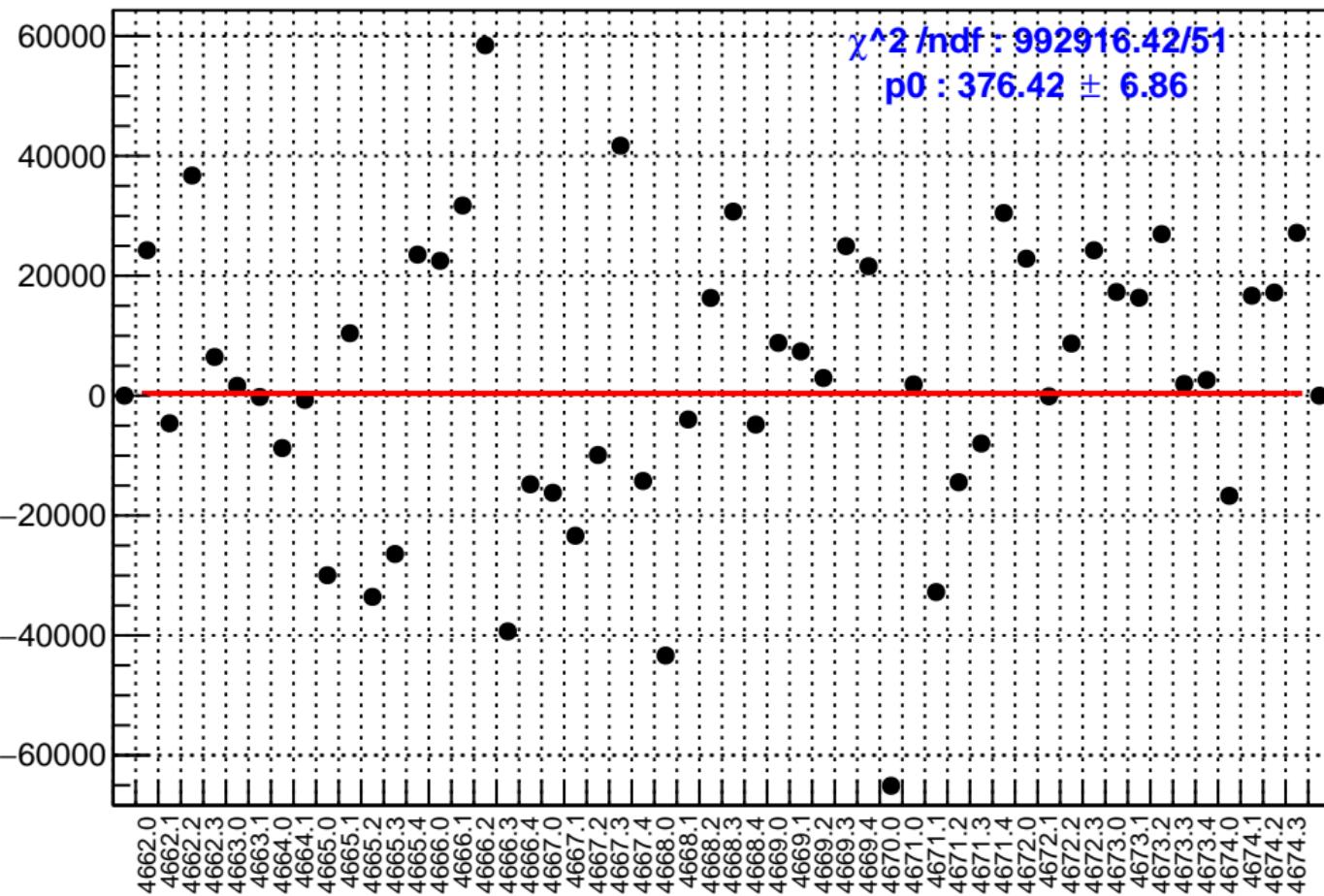


1D pull distribution

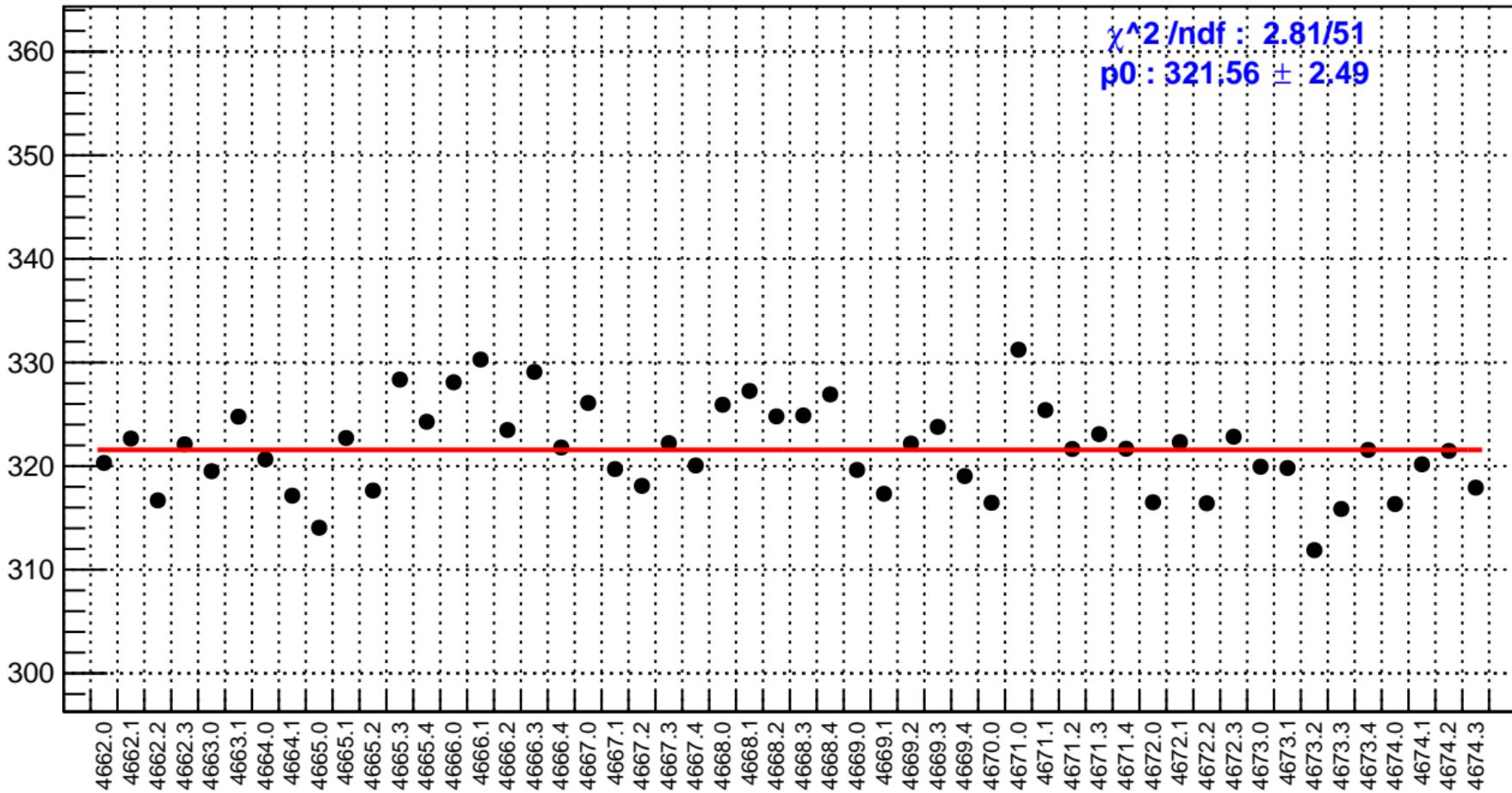


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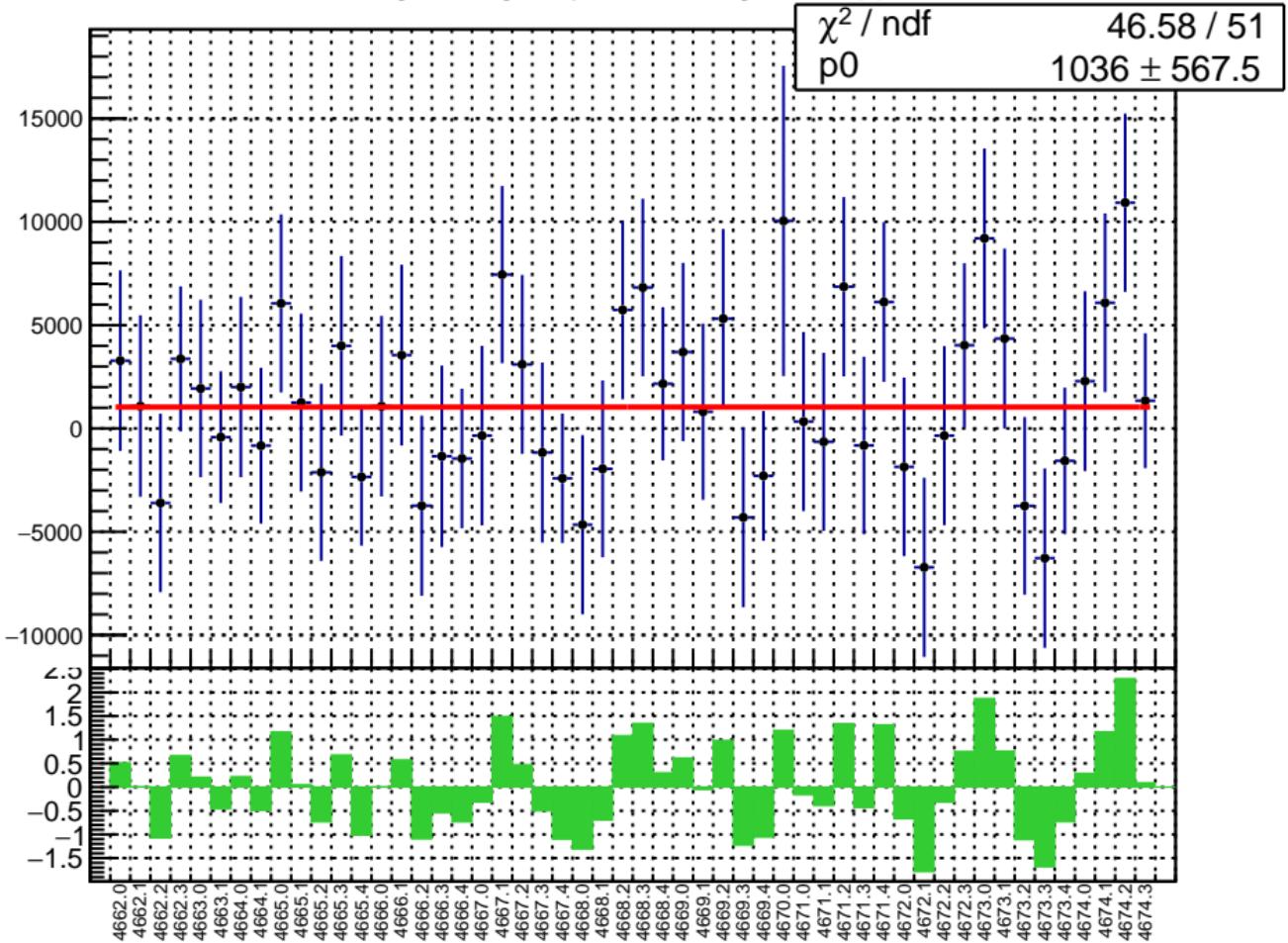
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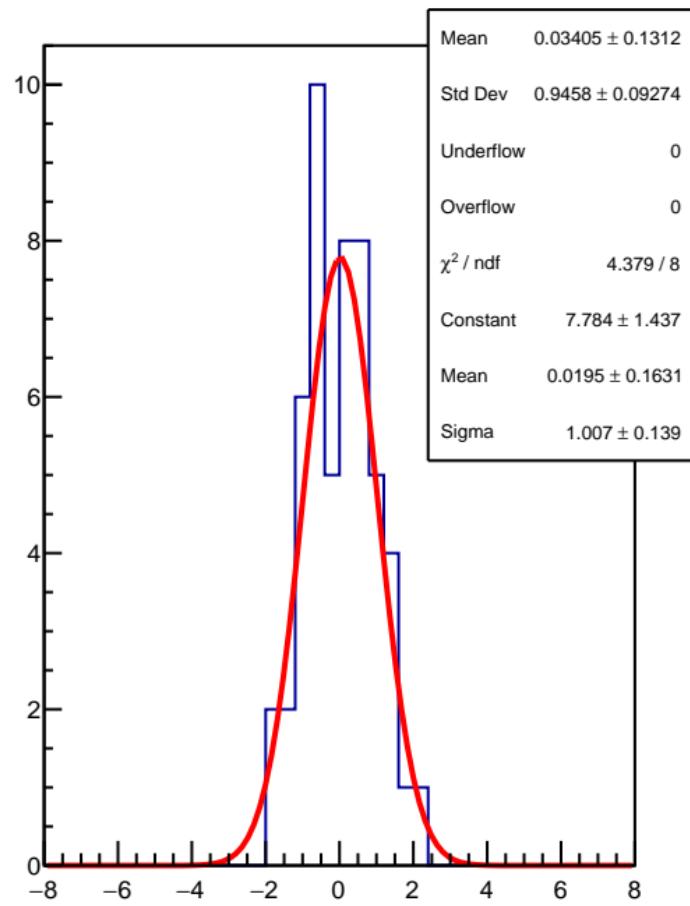
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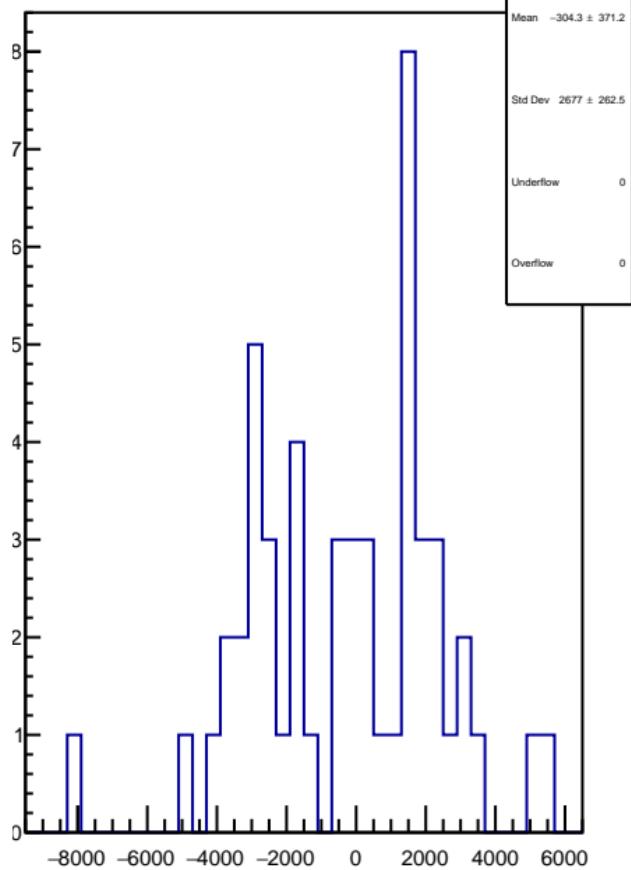
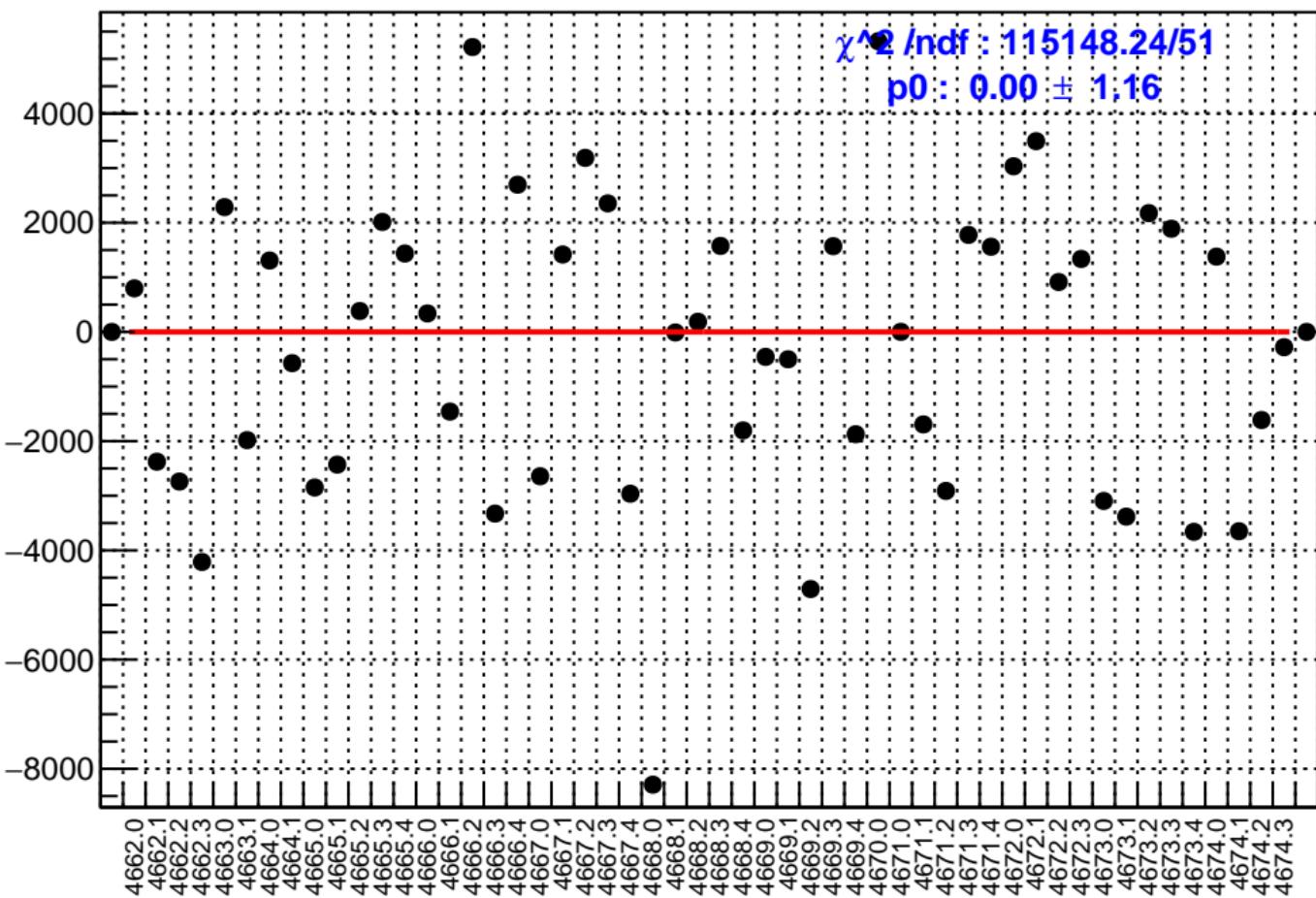


1D pull distribution

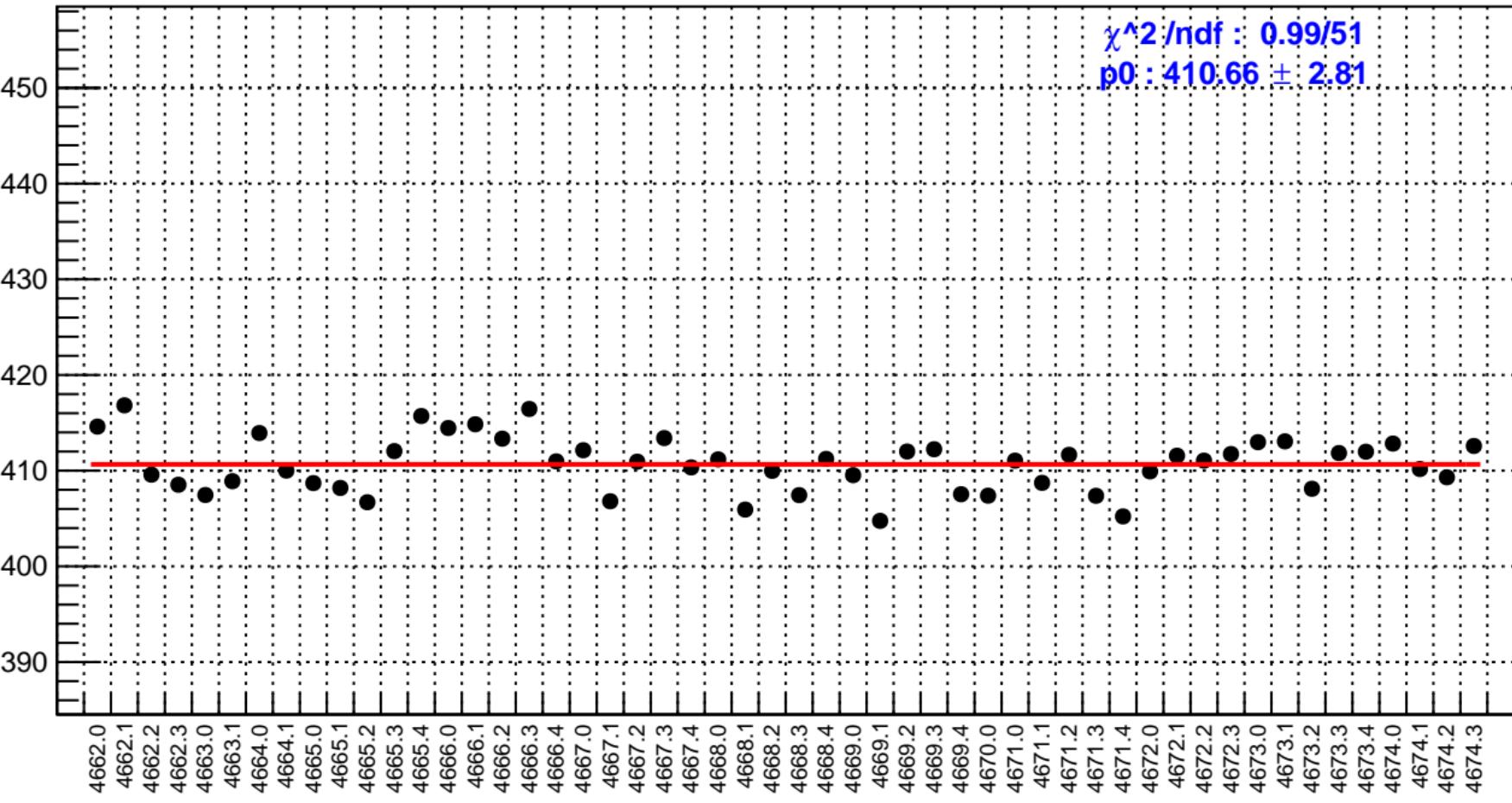


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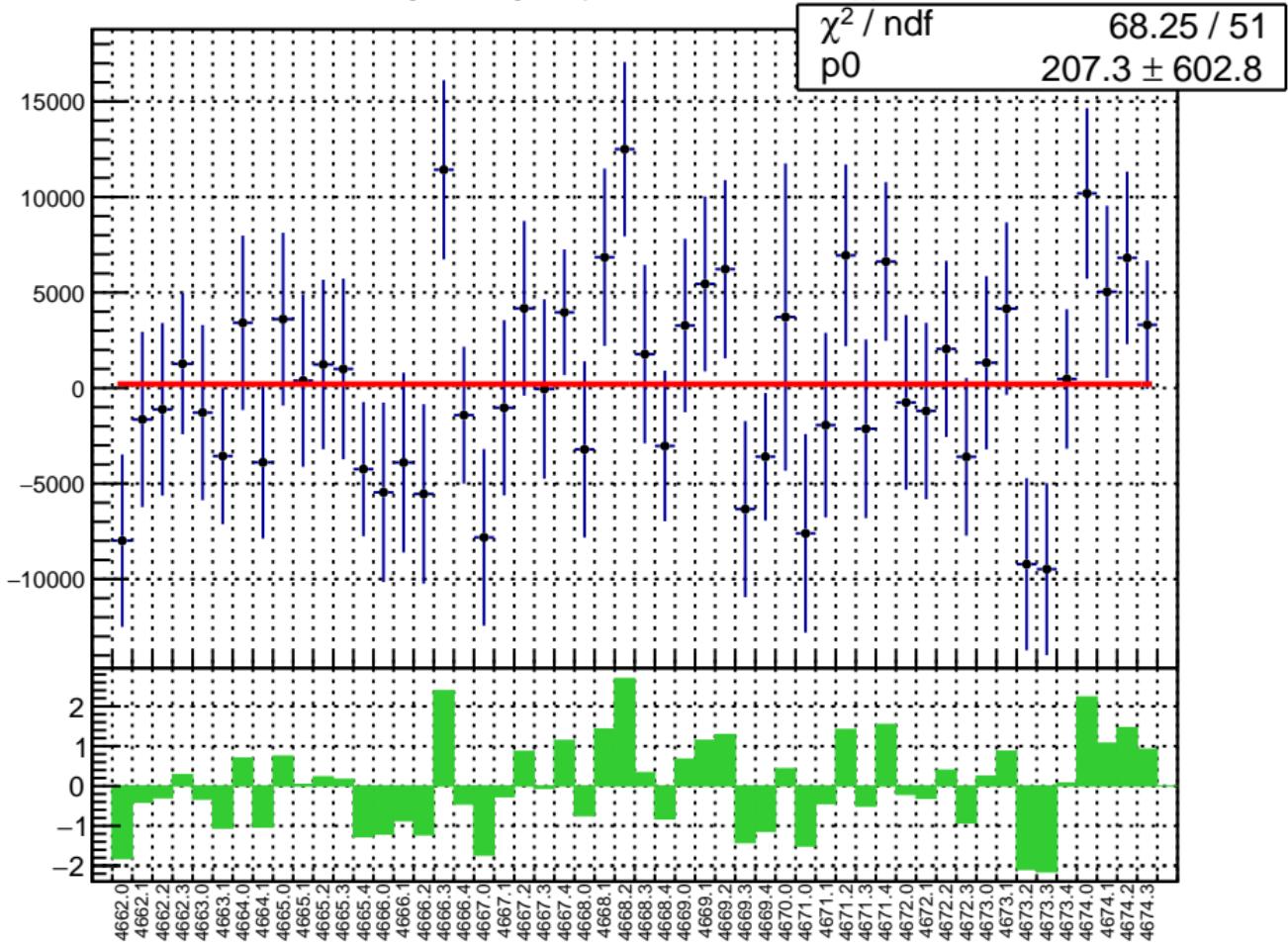
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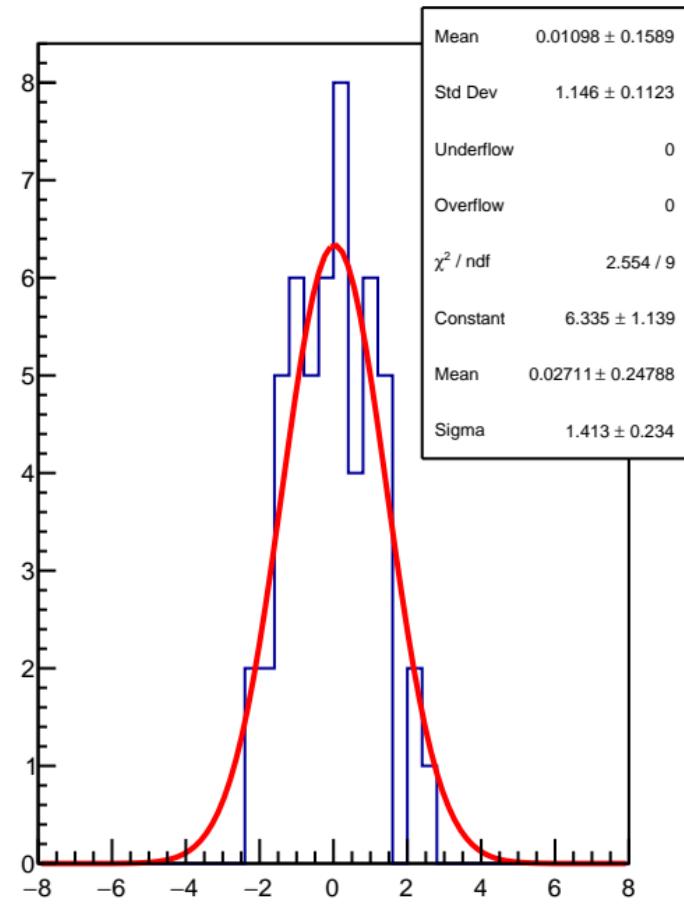
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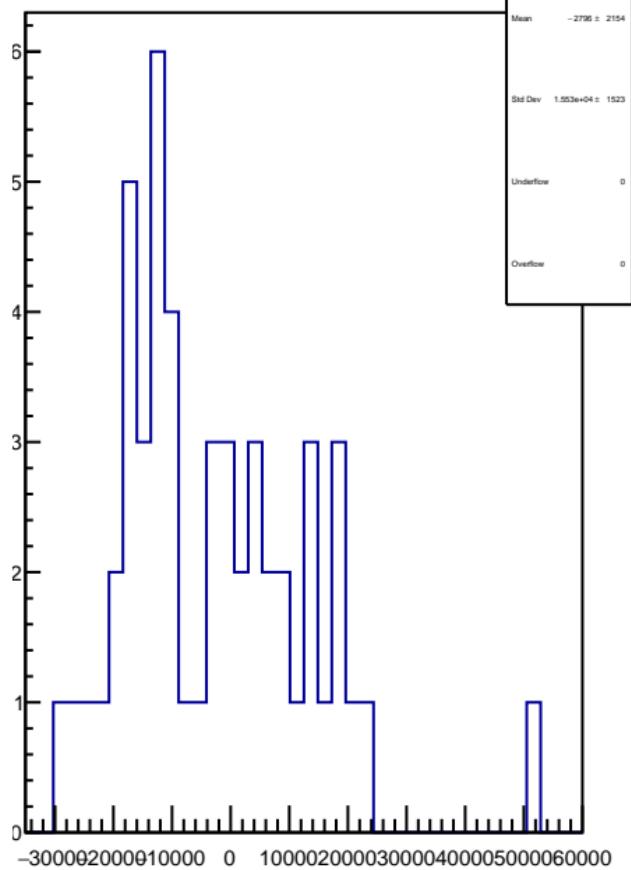
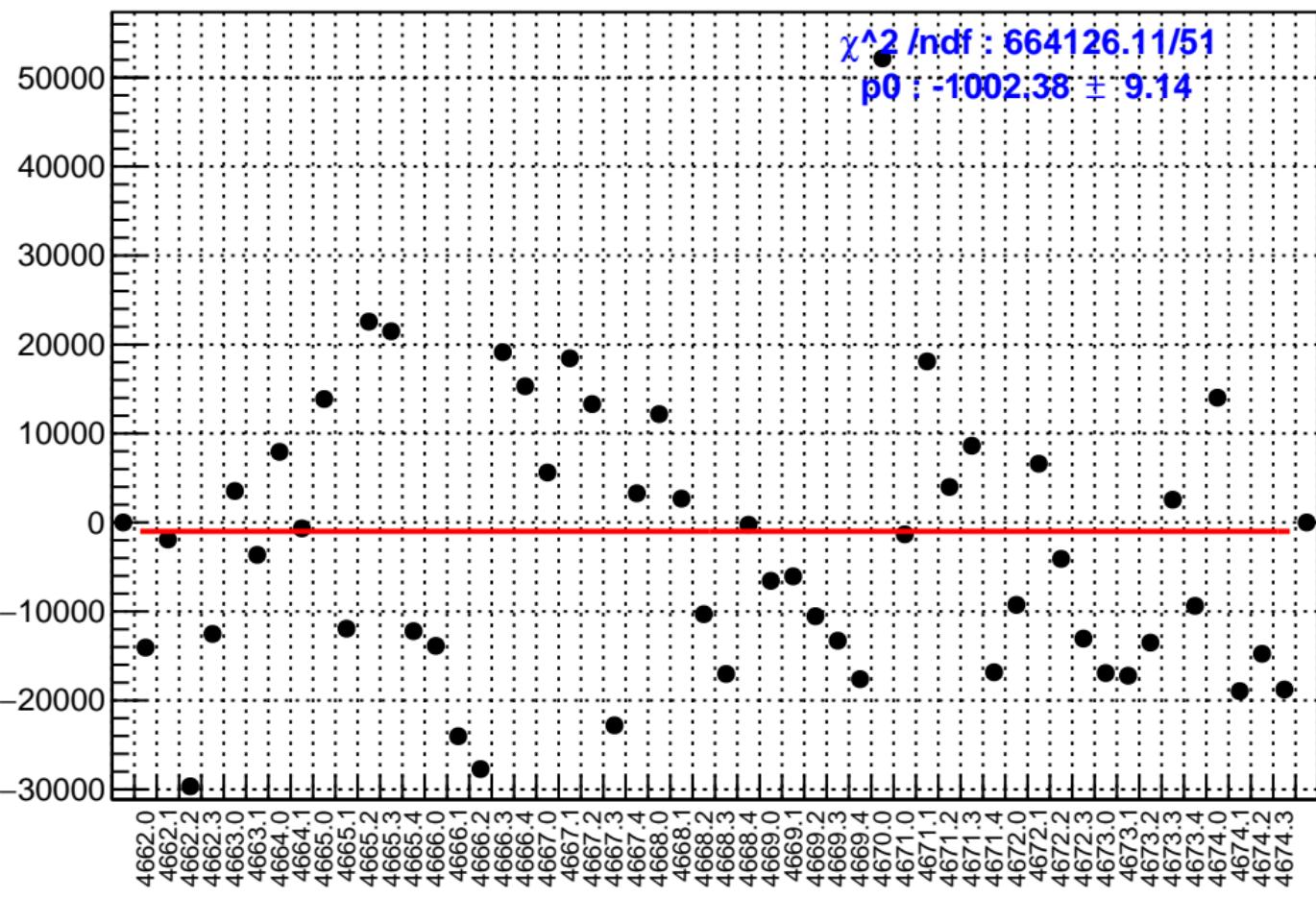


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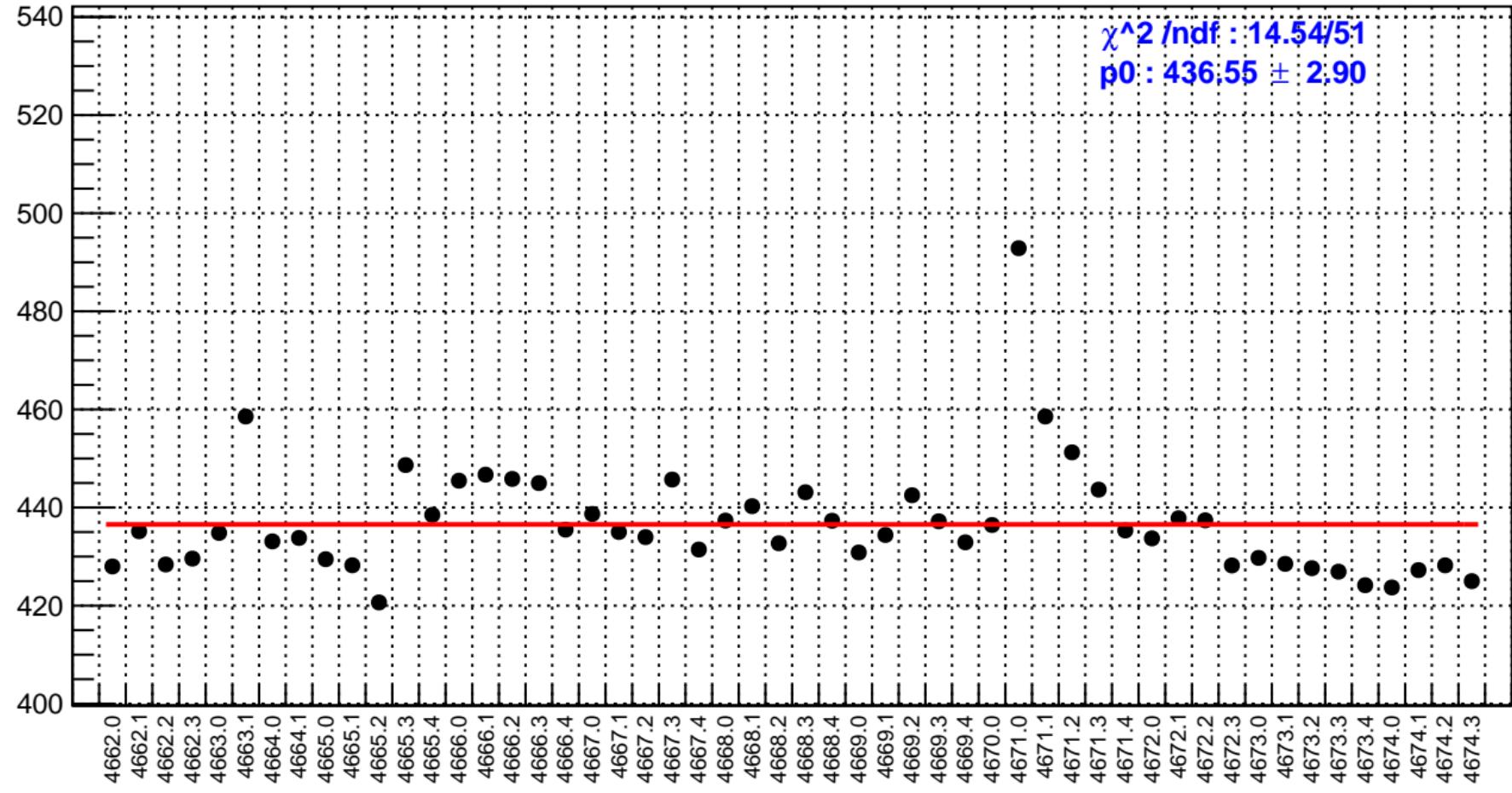


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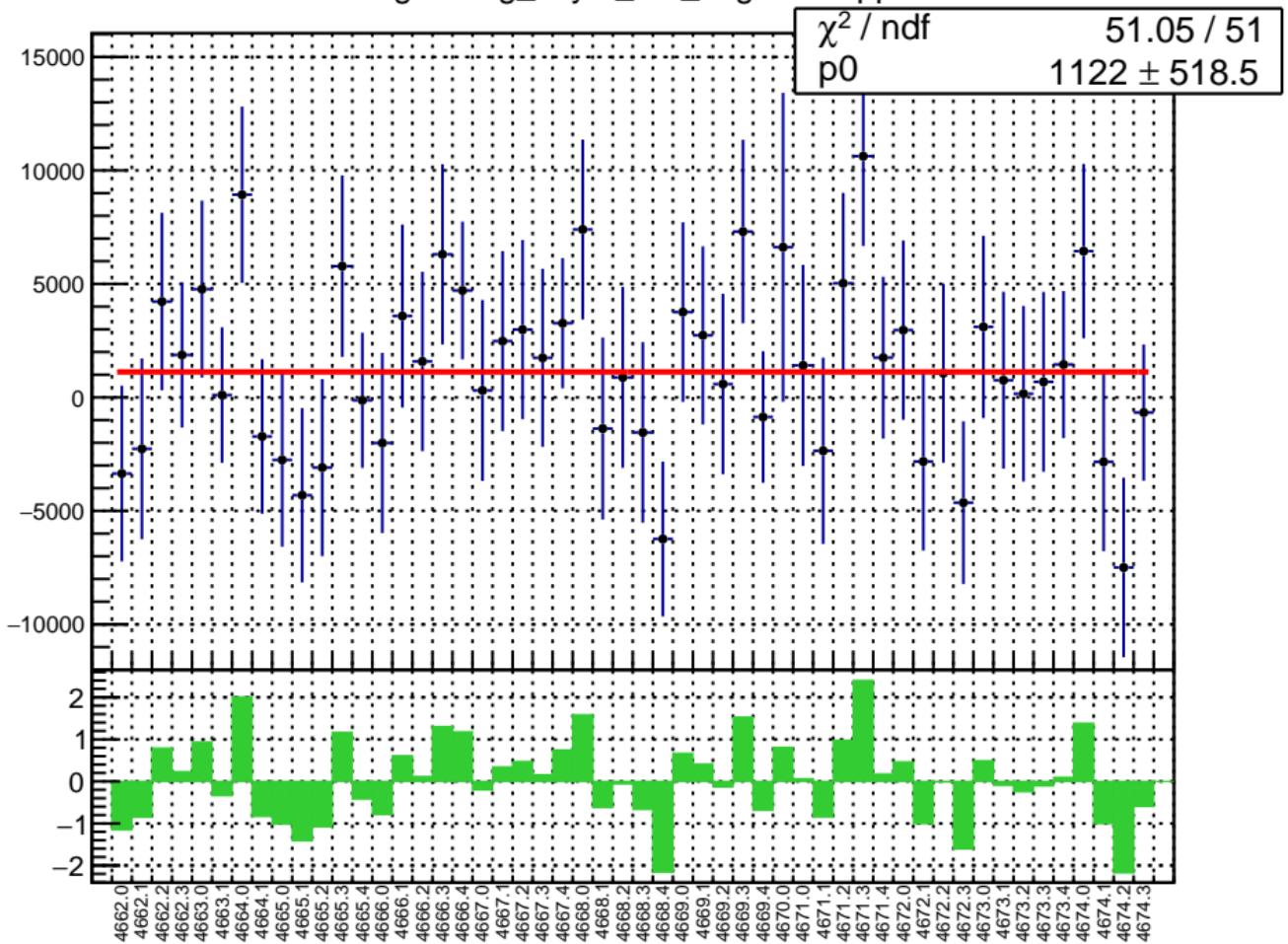
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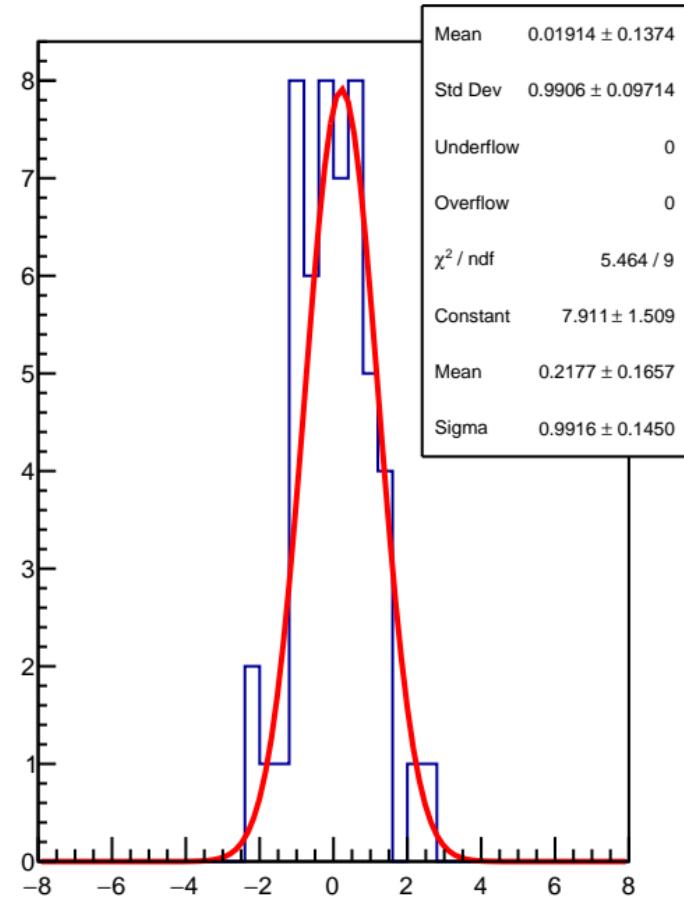
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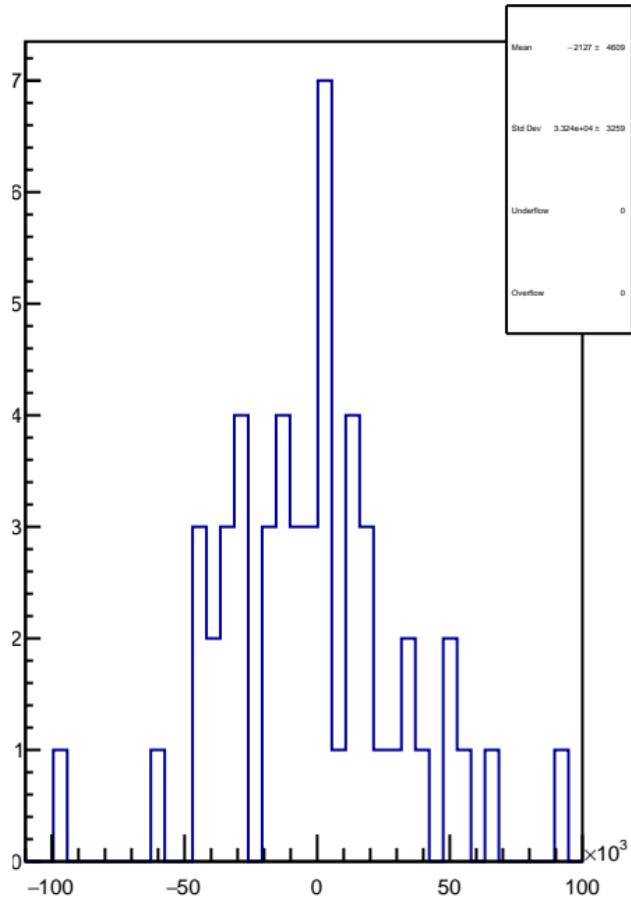
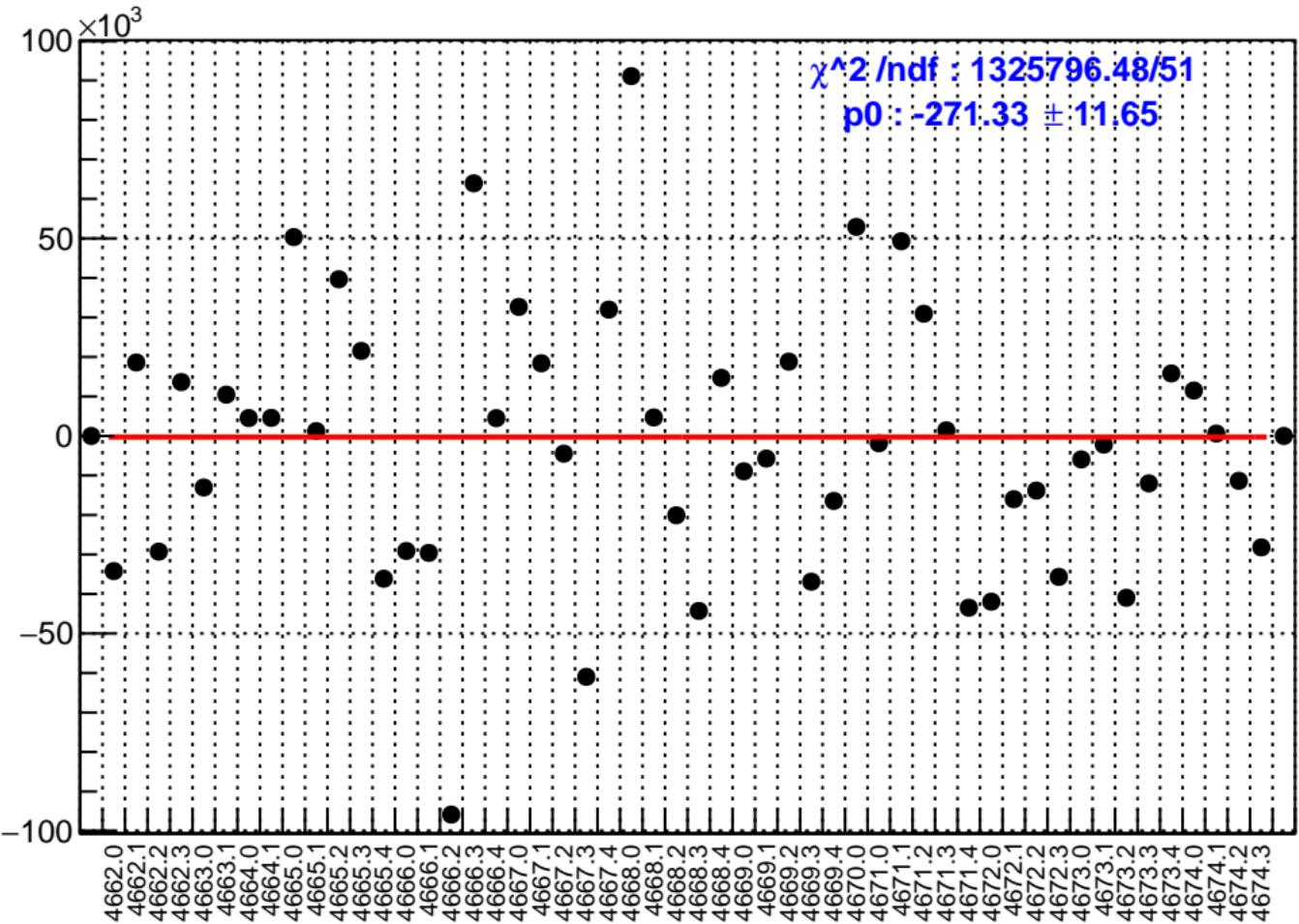


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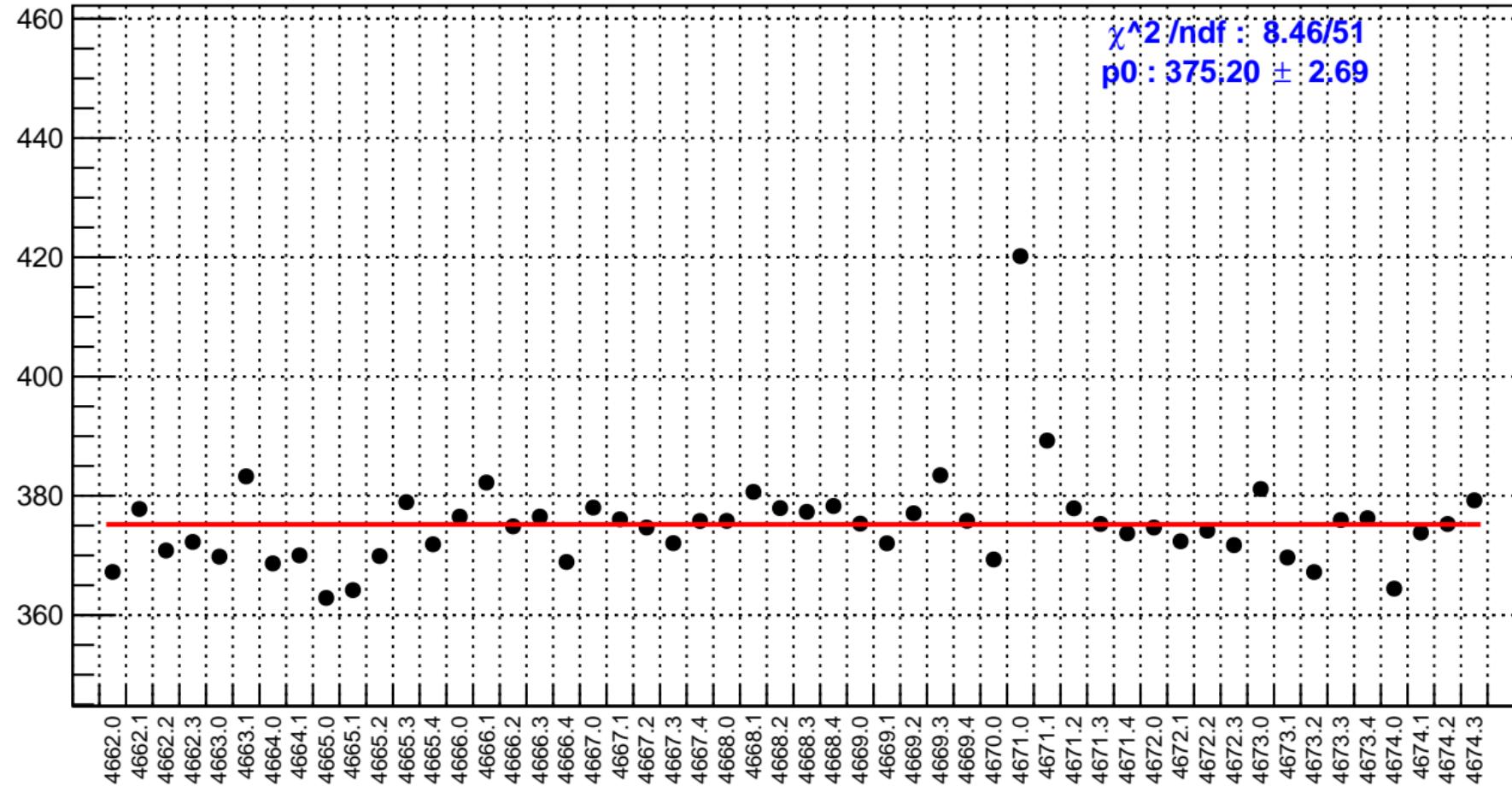


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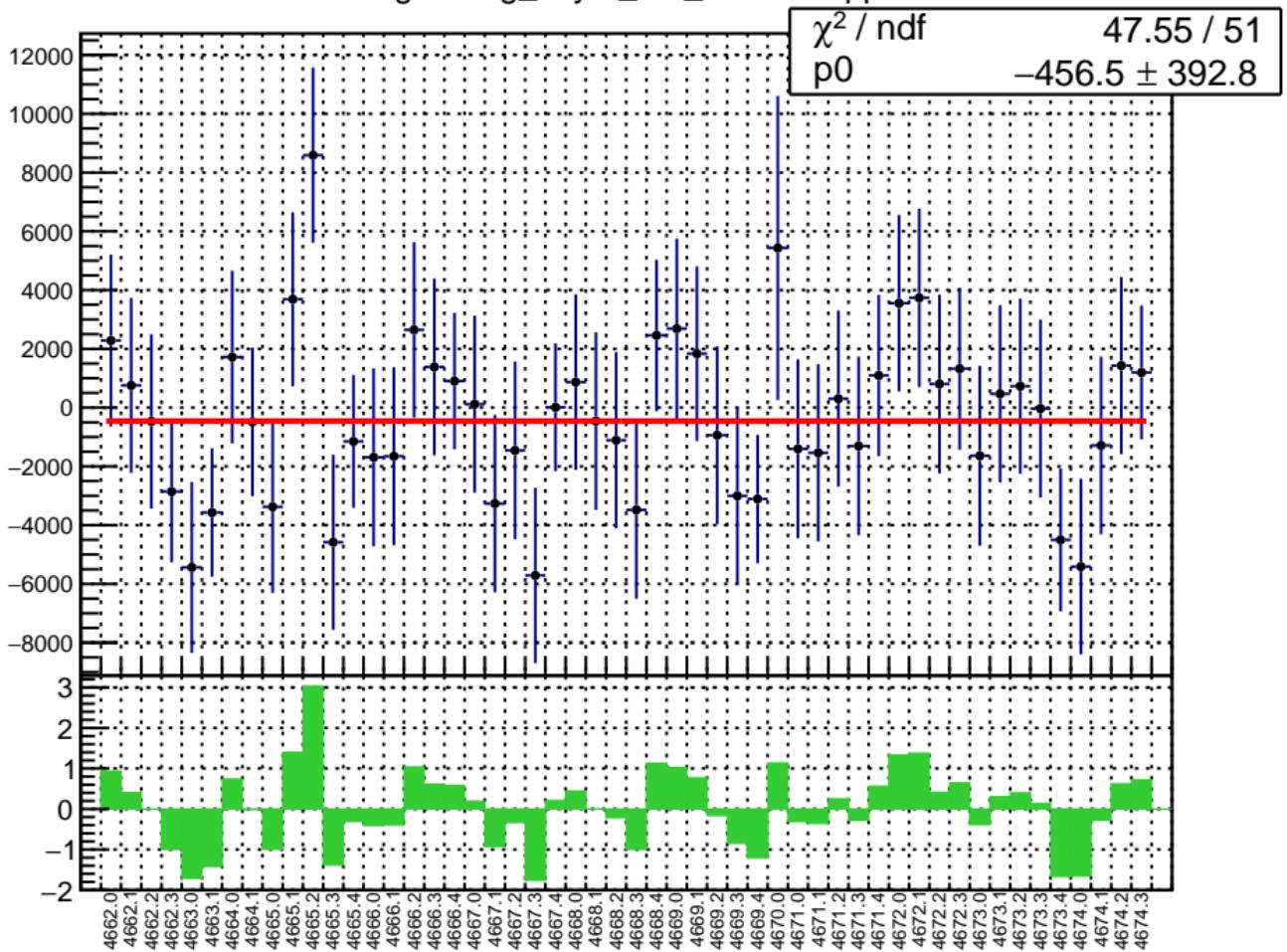
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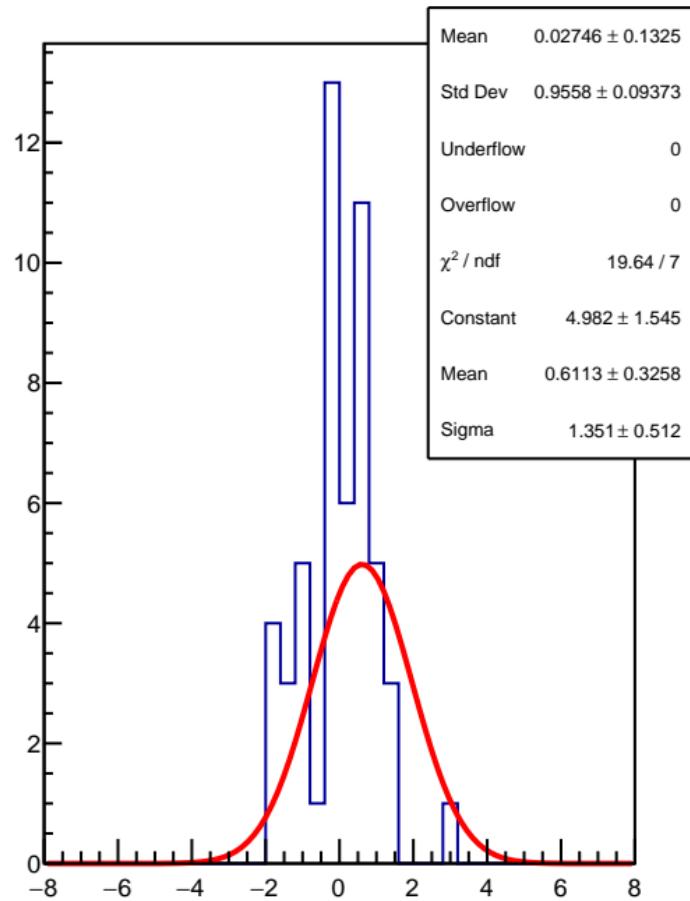
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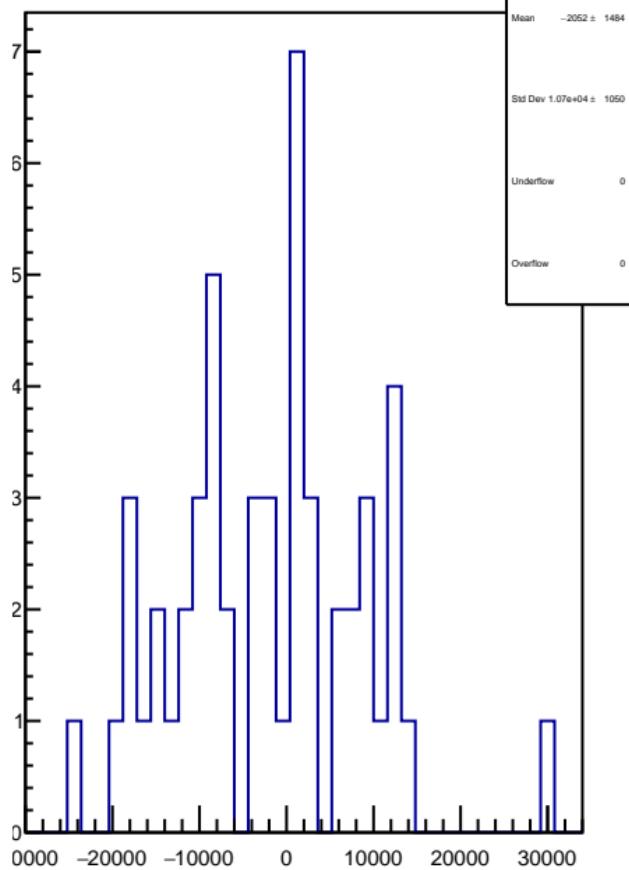
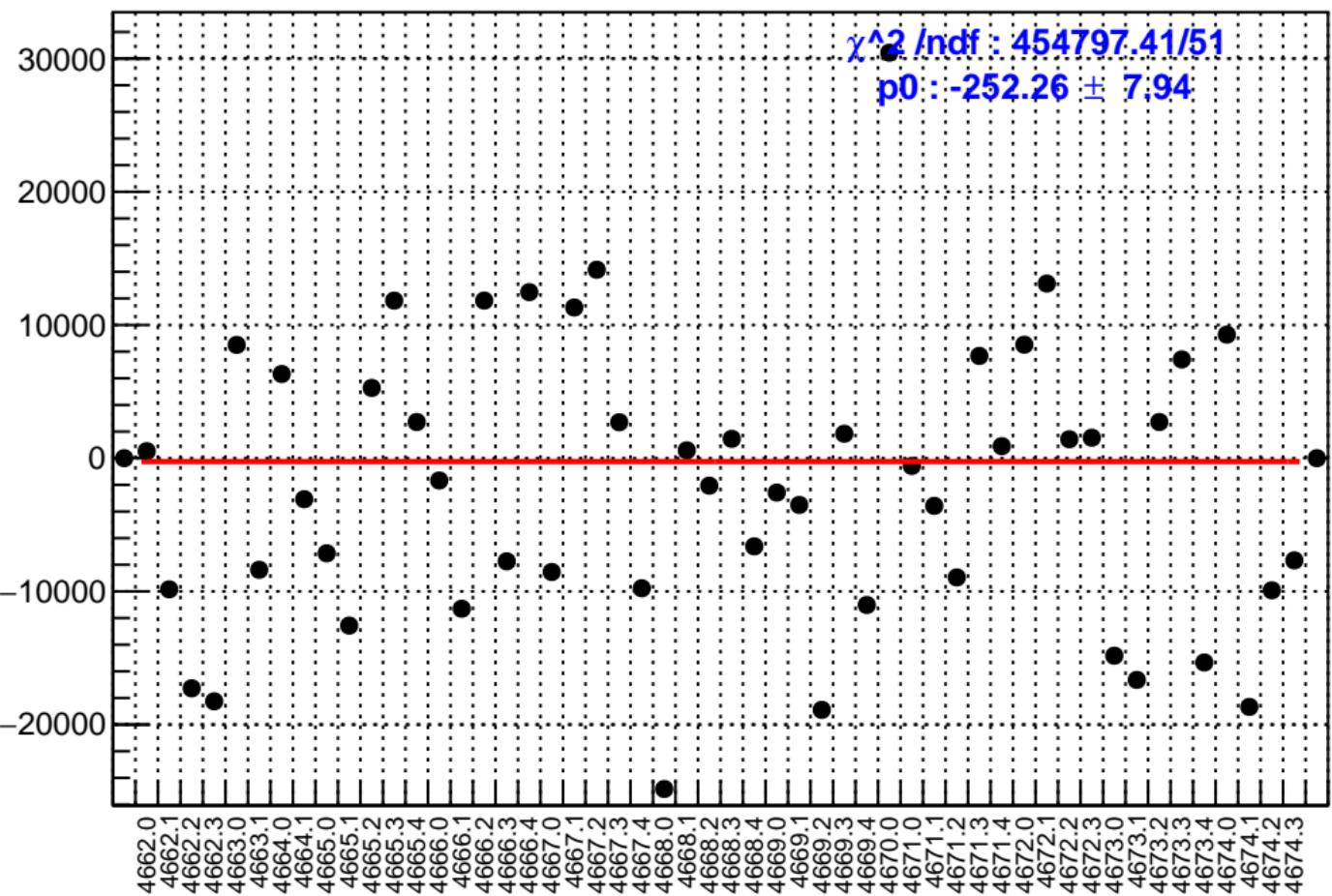


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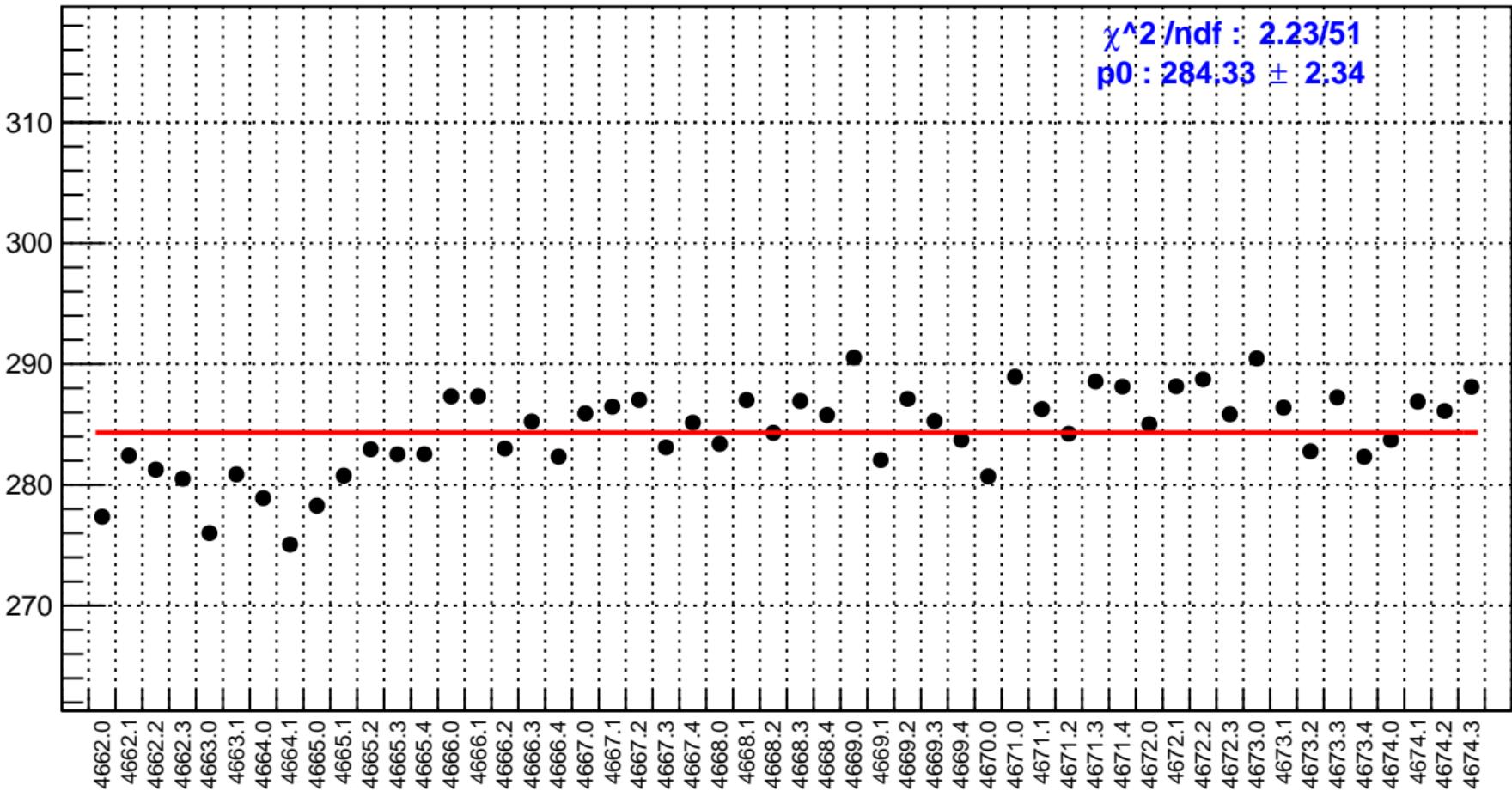


1D pull distribution

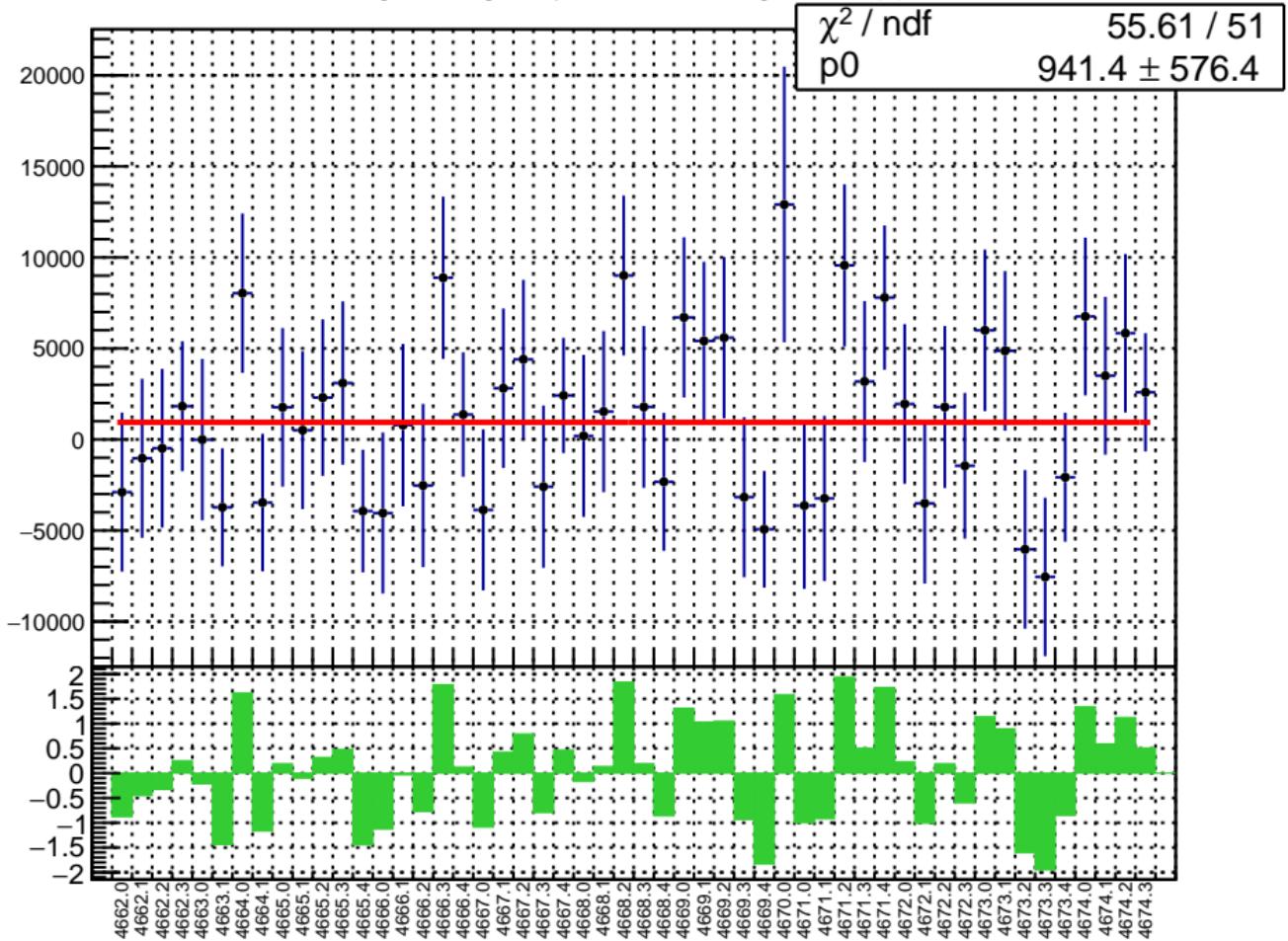




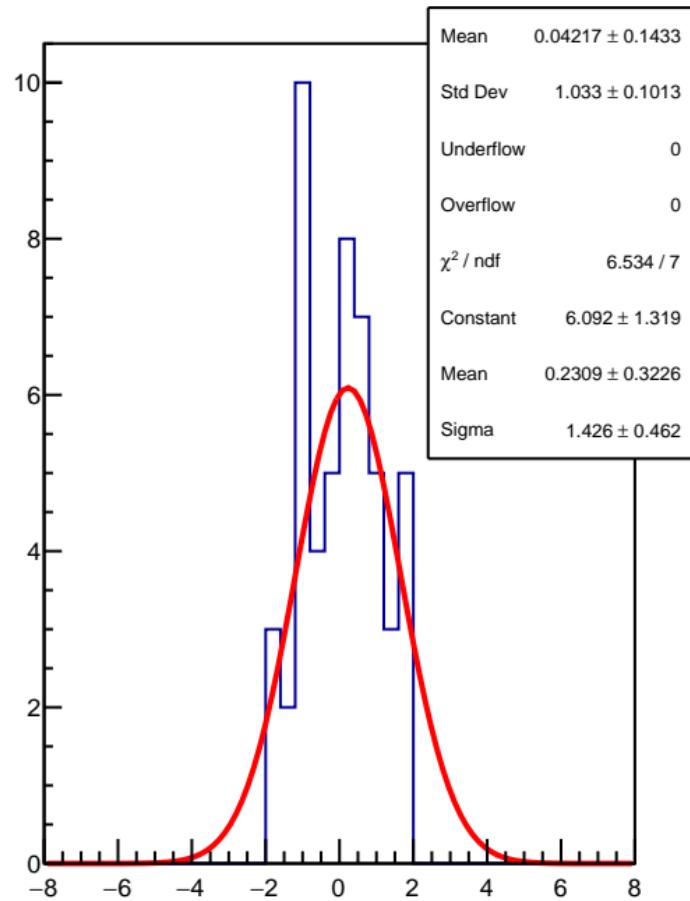
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slug73: reg_asym_atl1r2_avg.mean/ppb

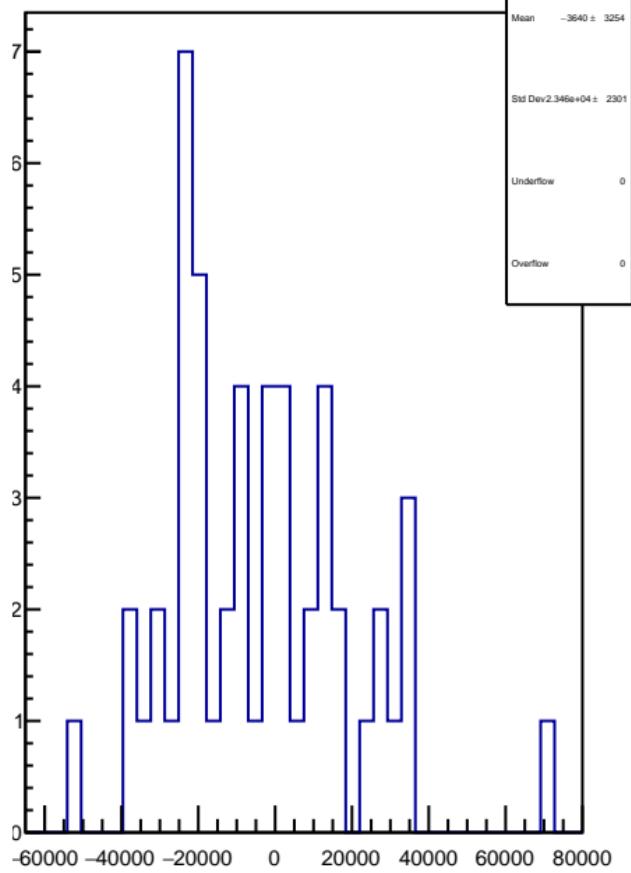
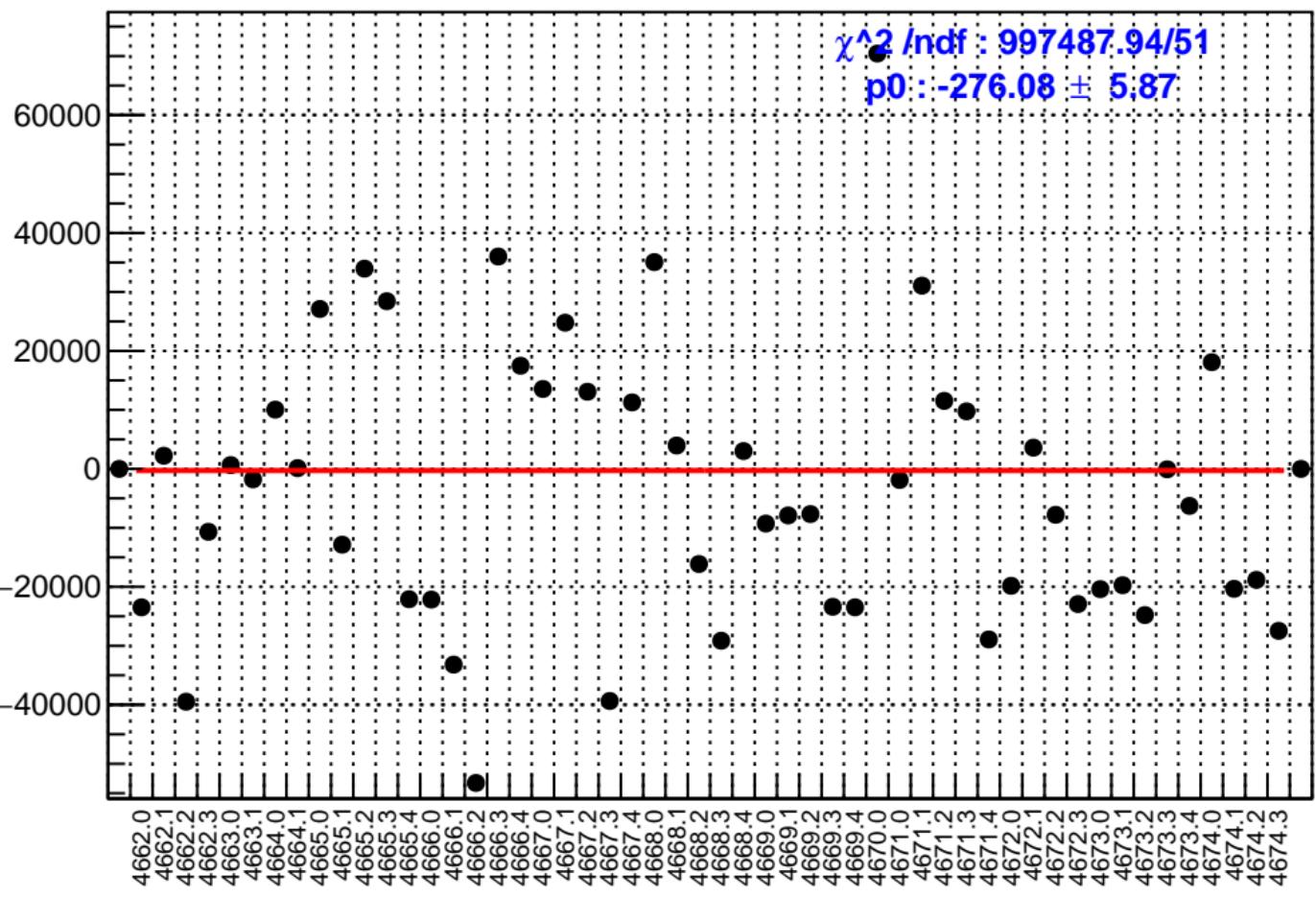


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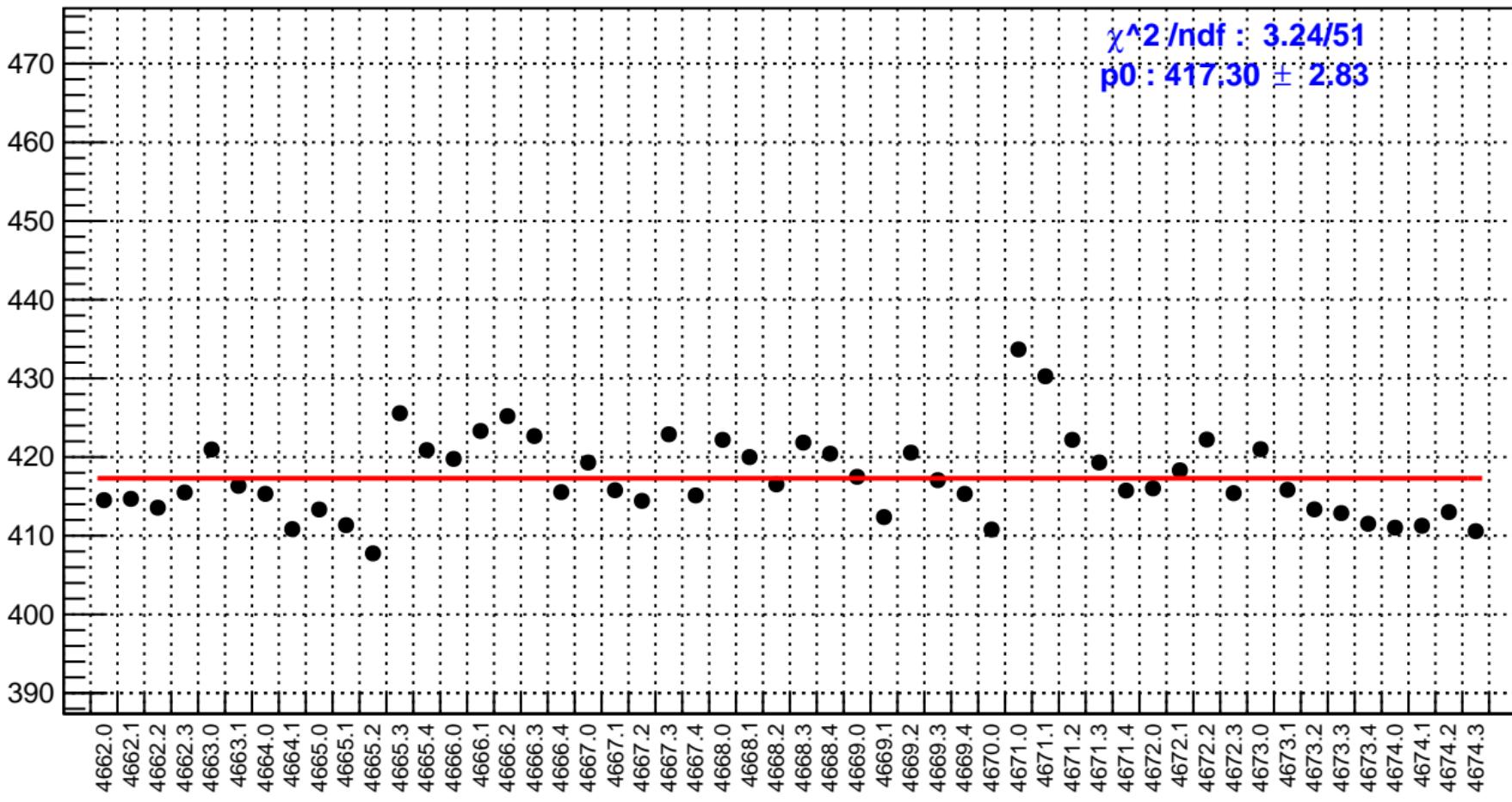


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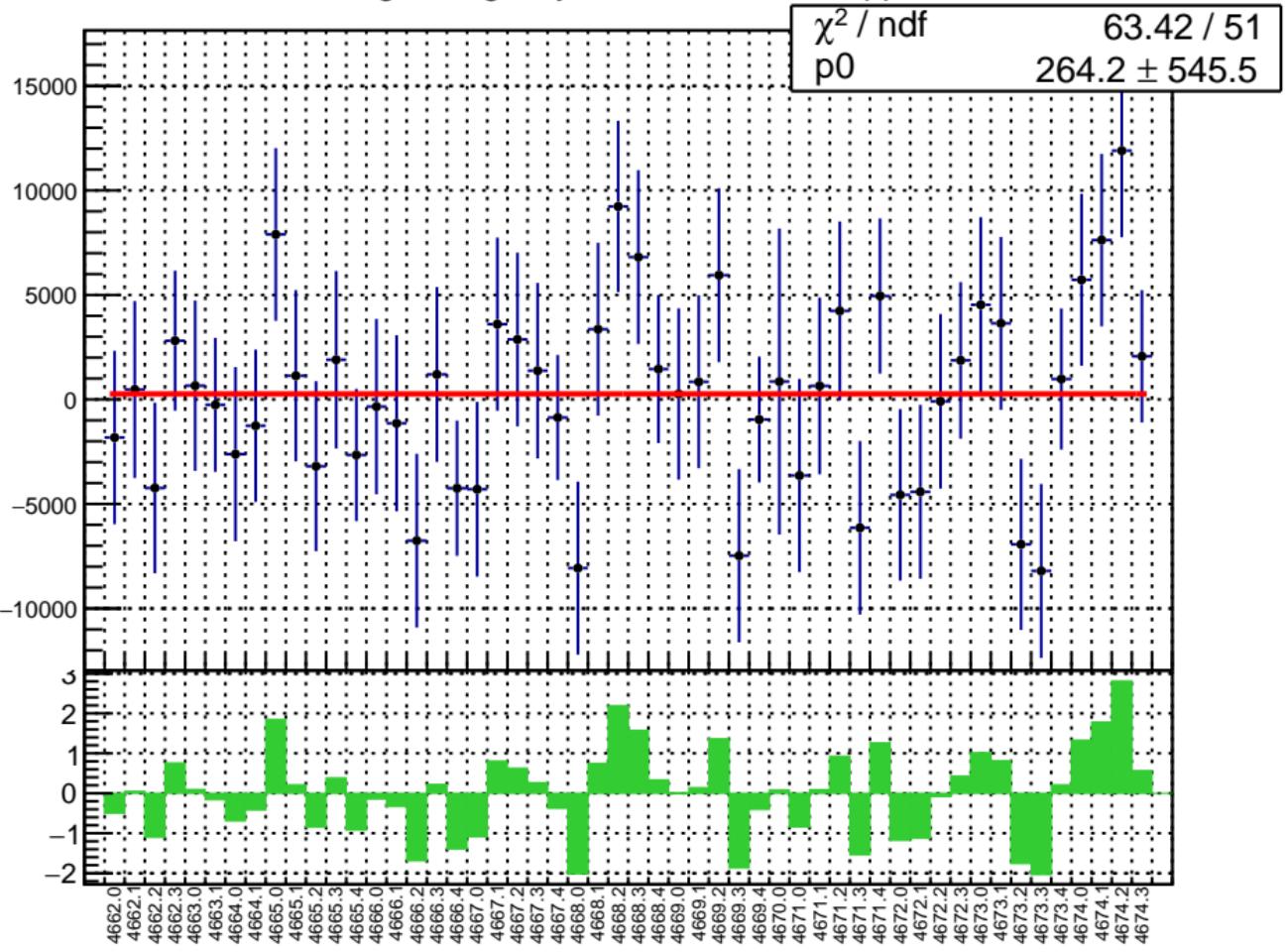
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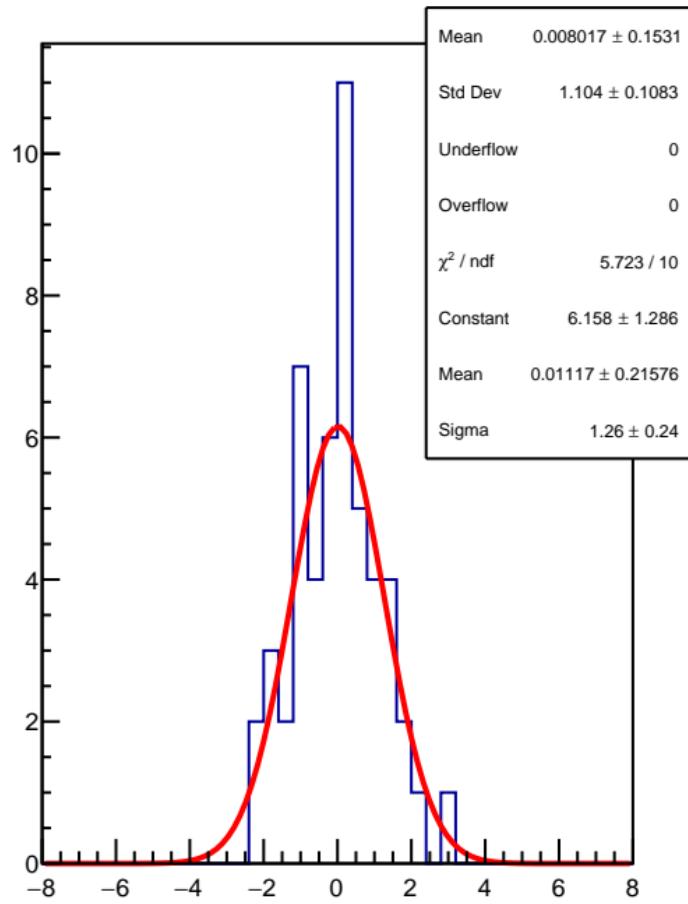
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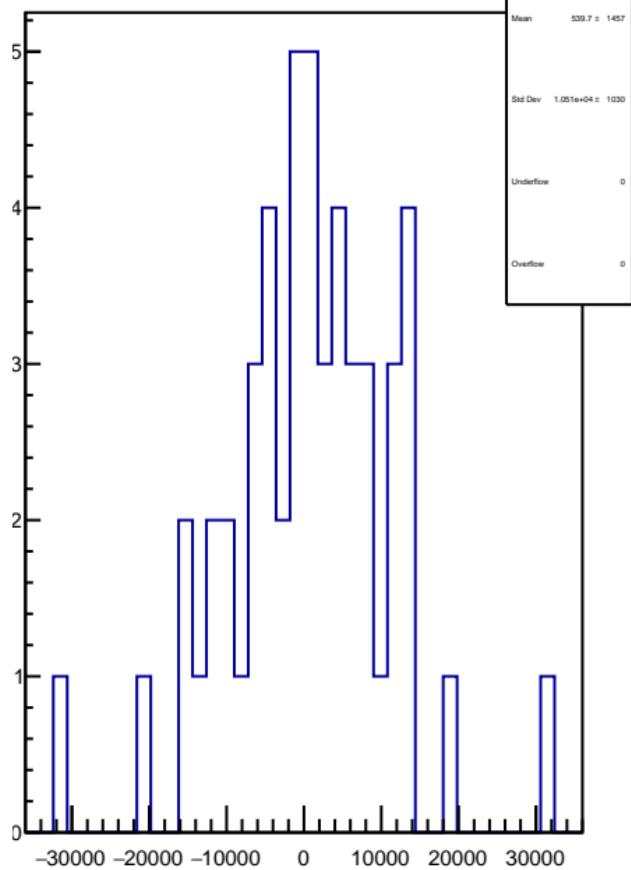
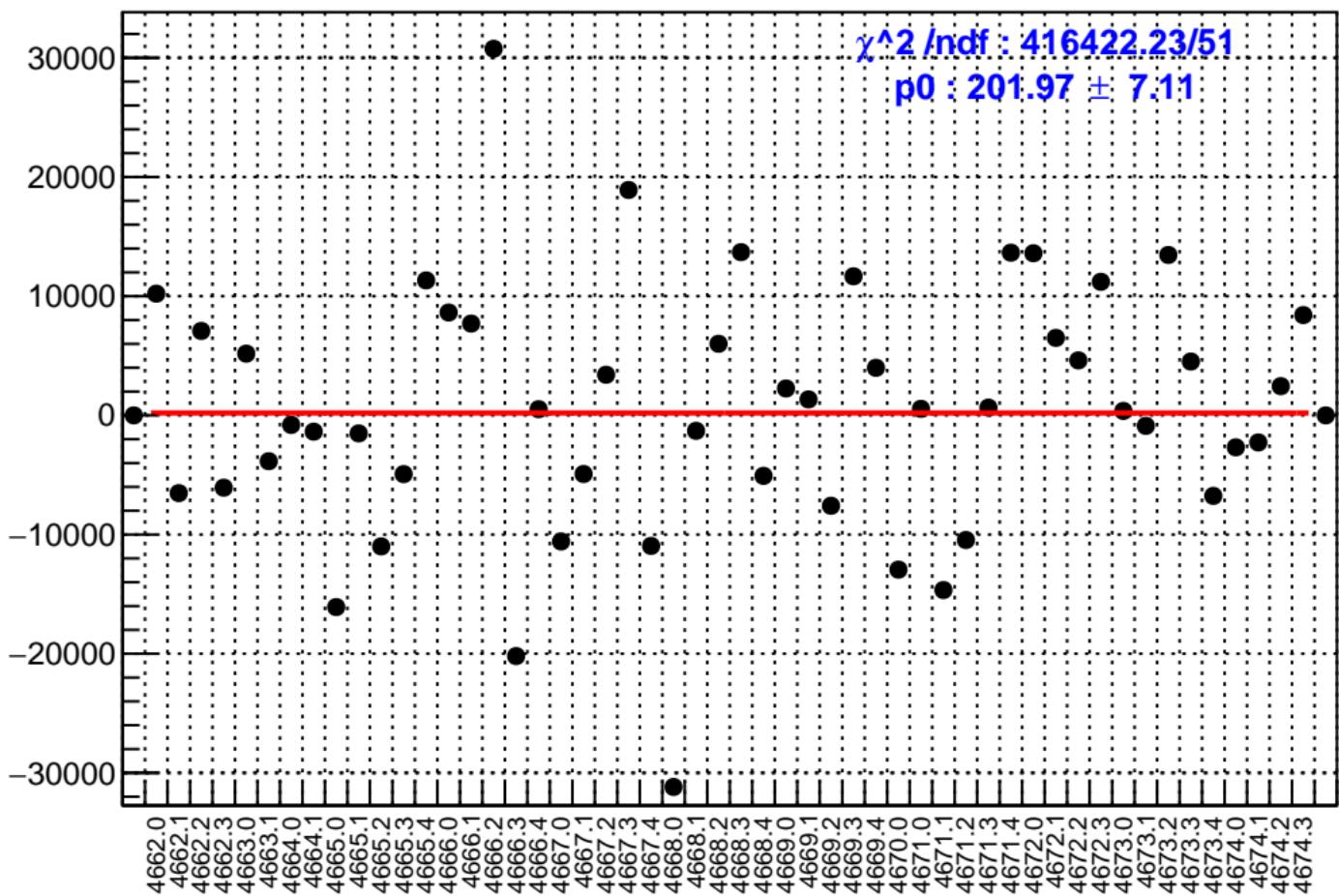


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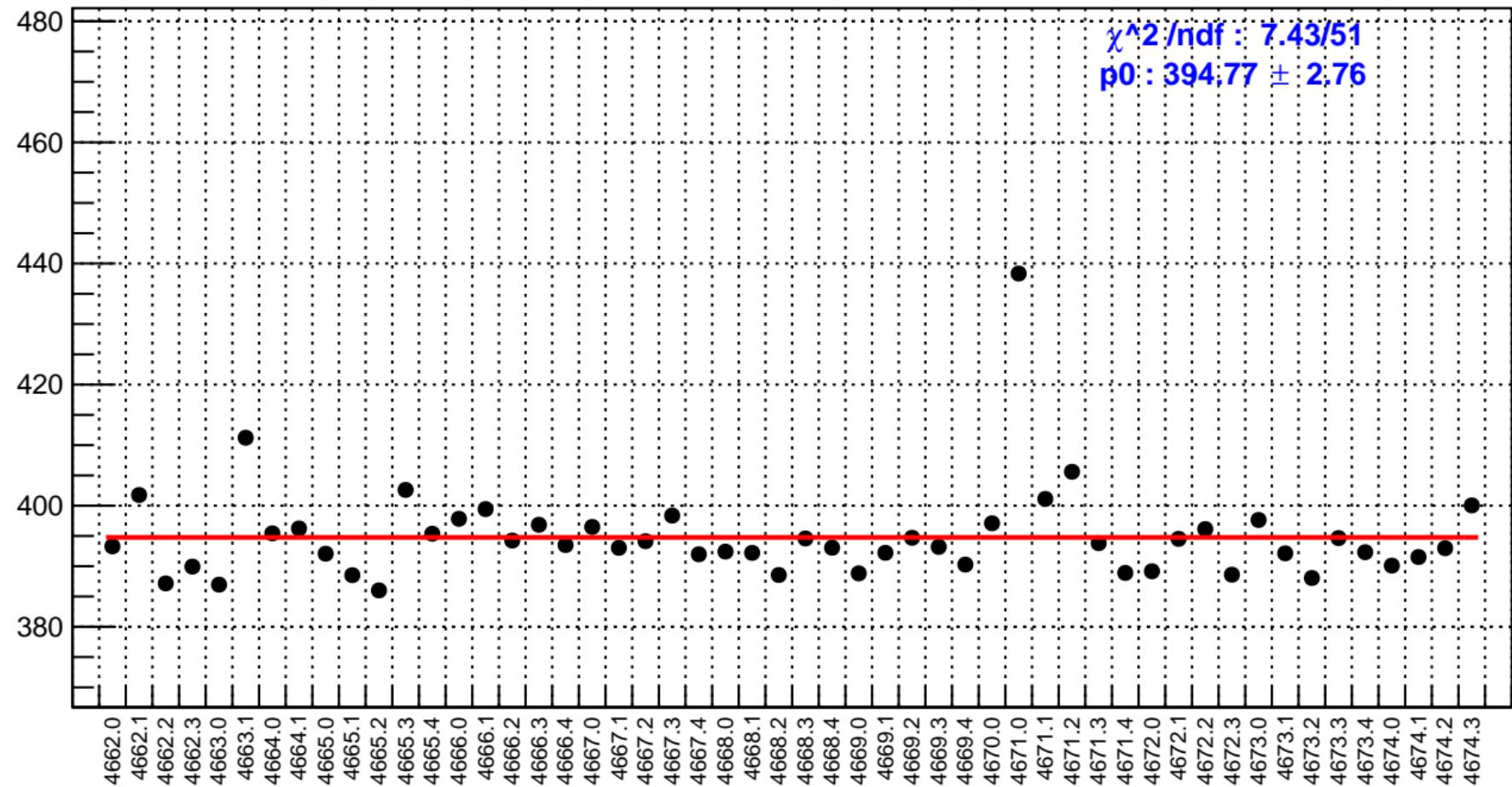


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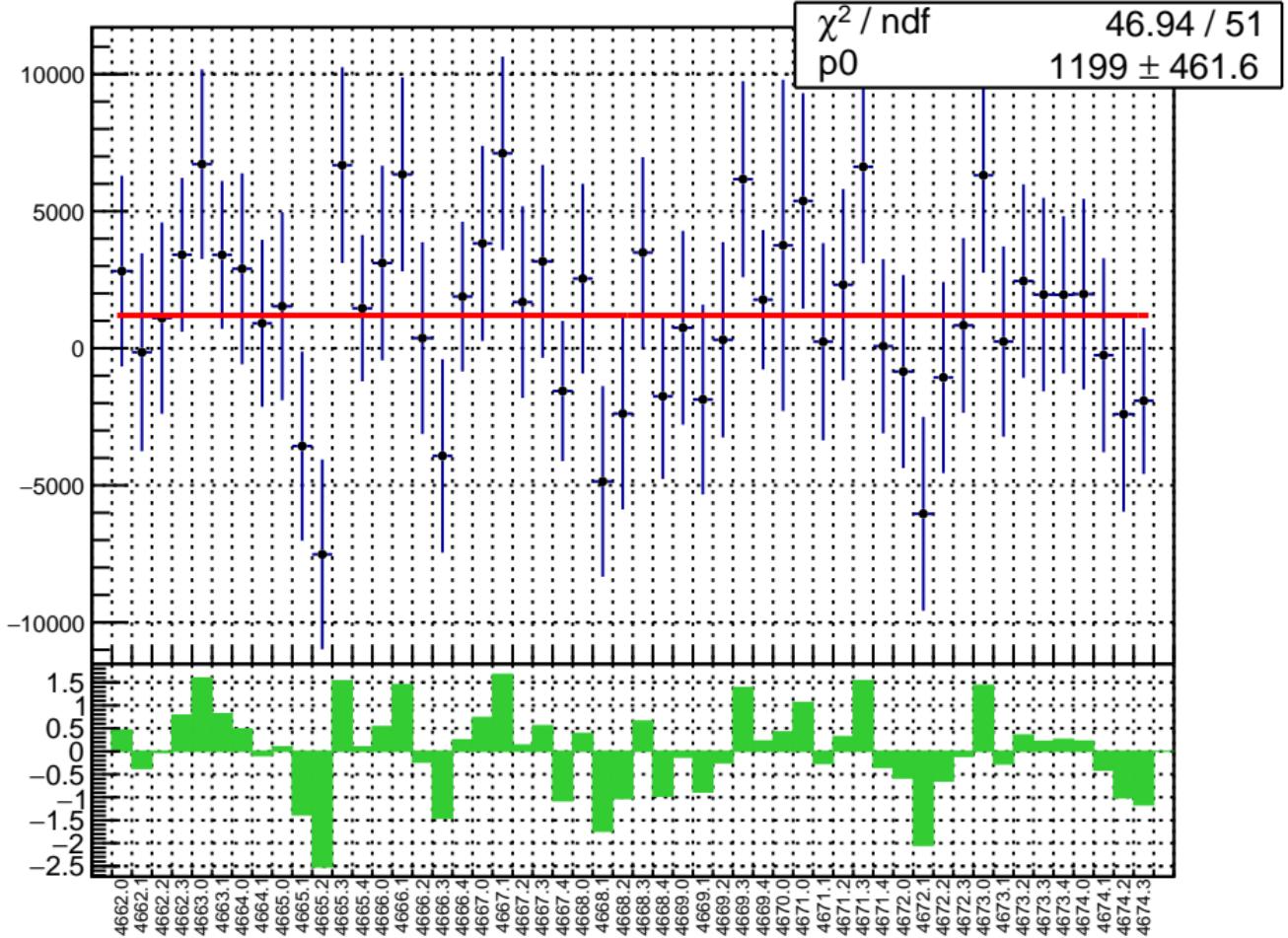
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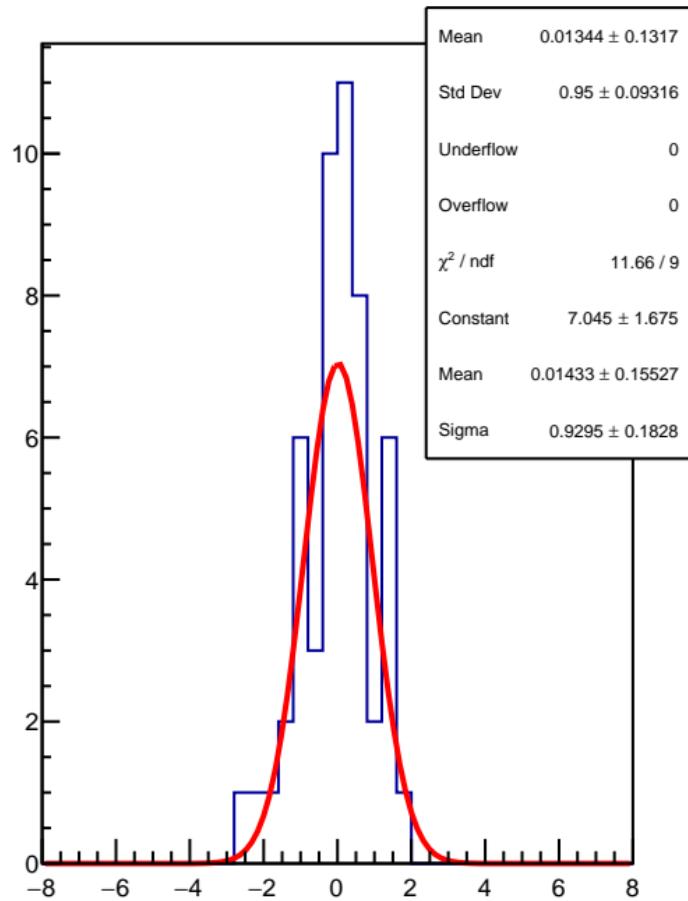
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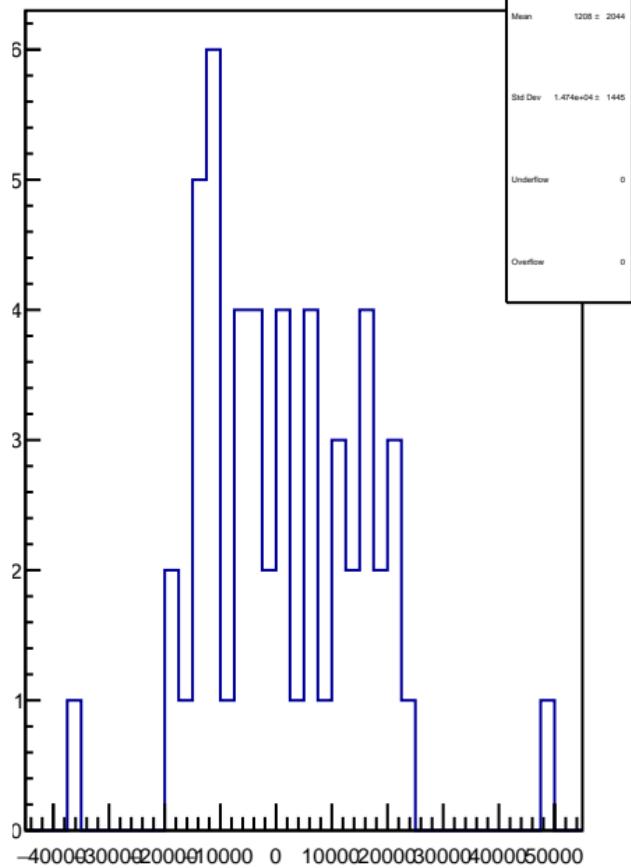
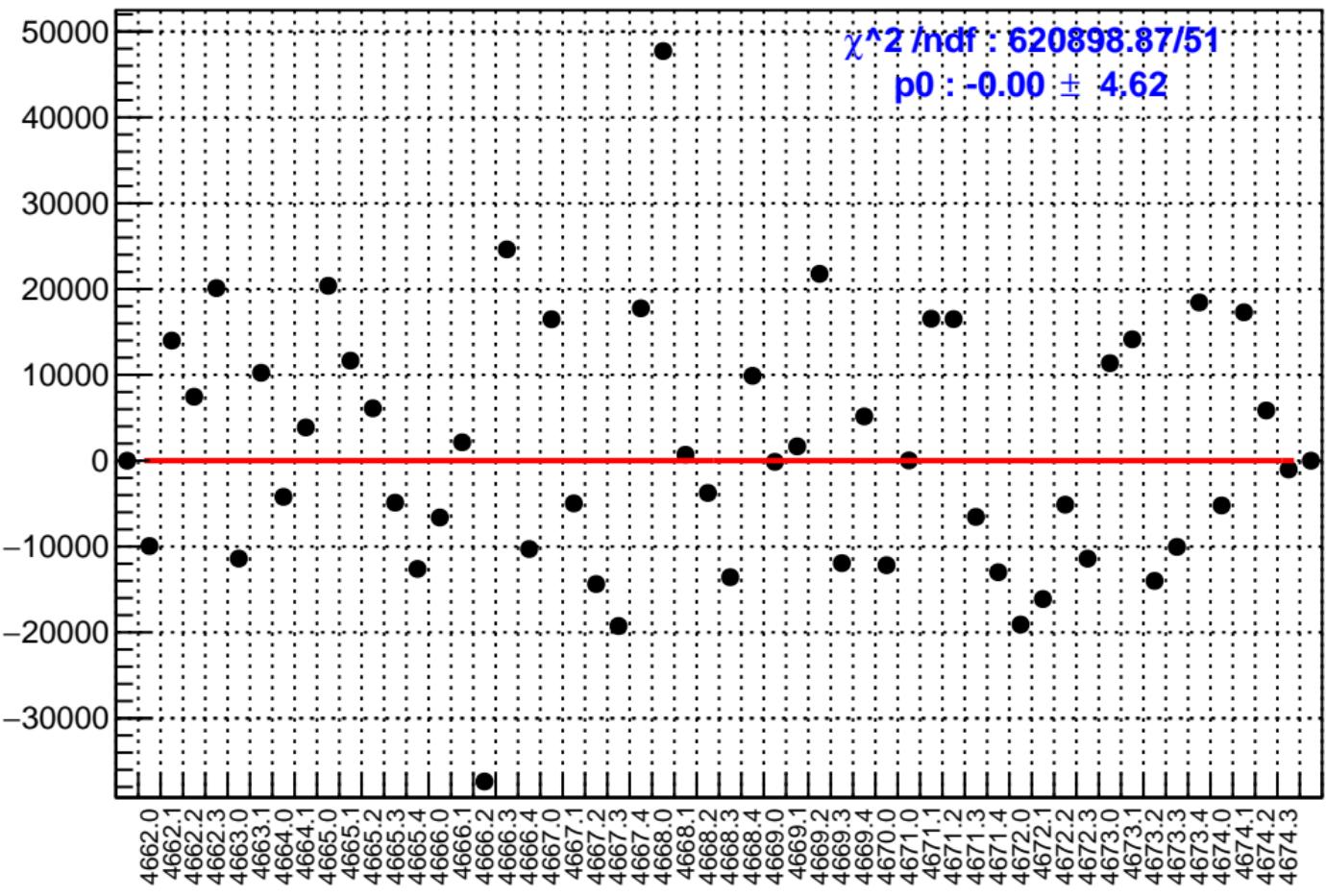


1D pull distribution

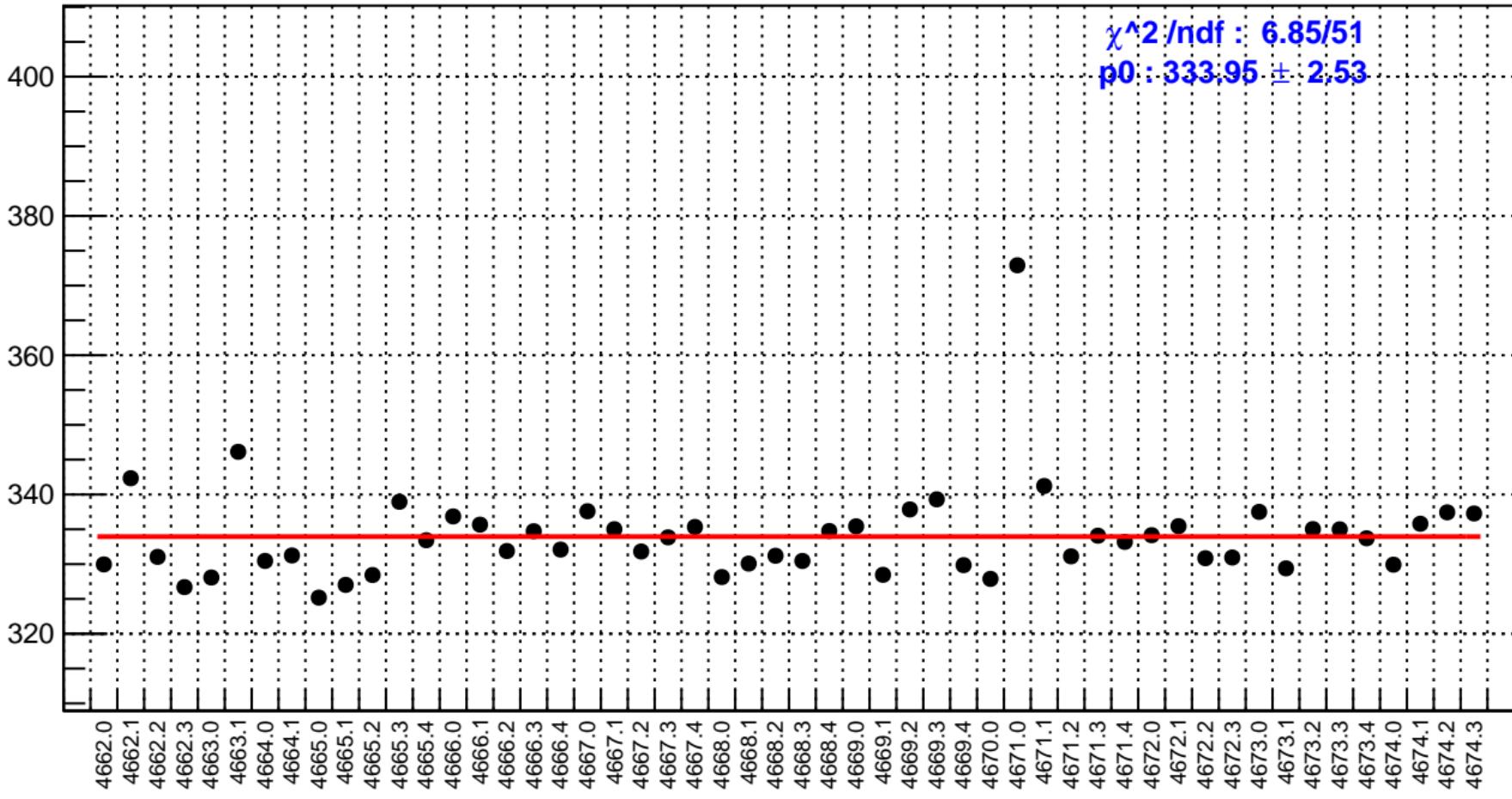


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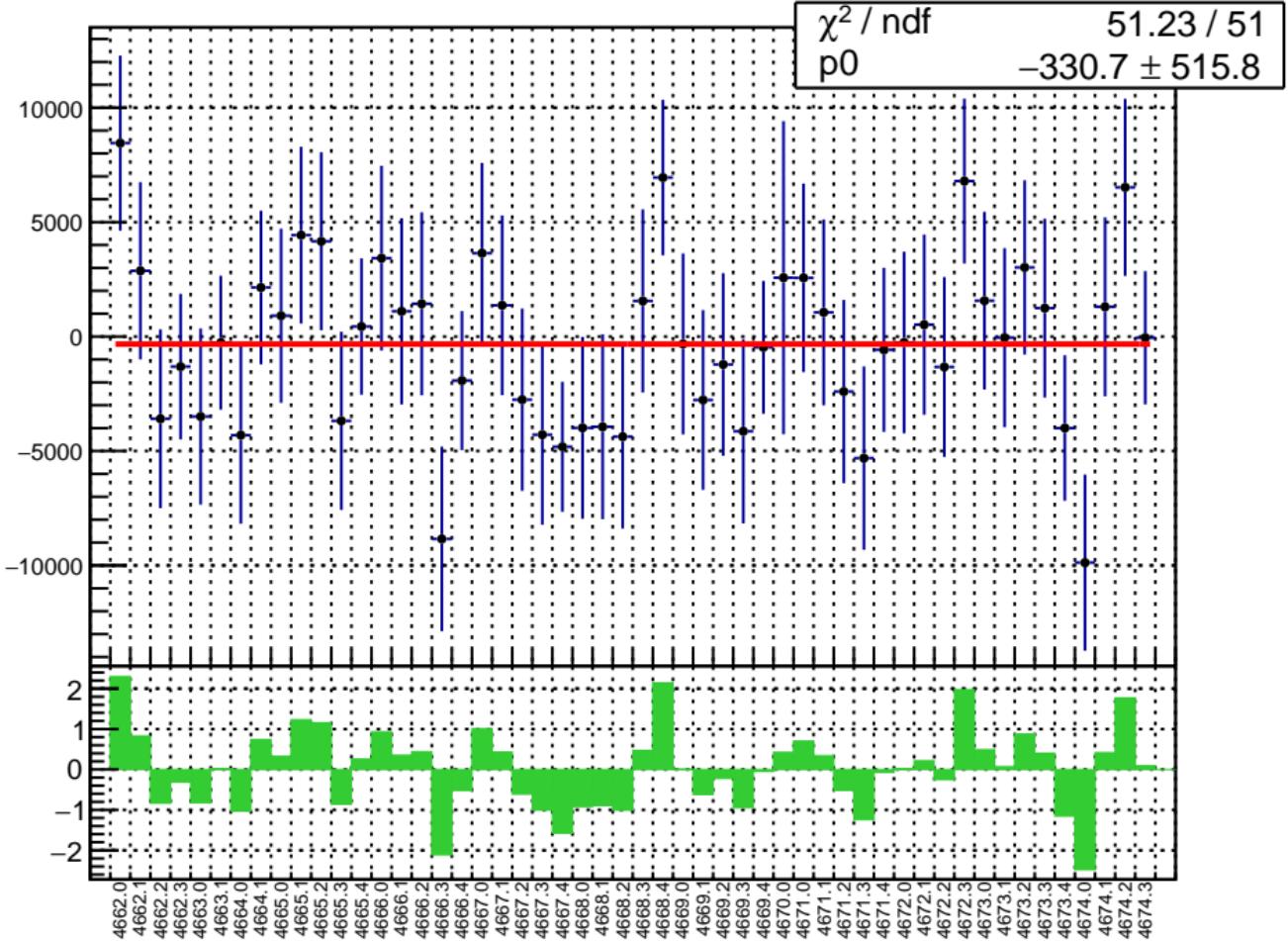
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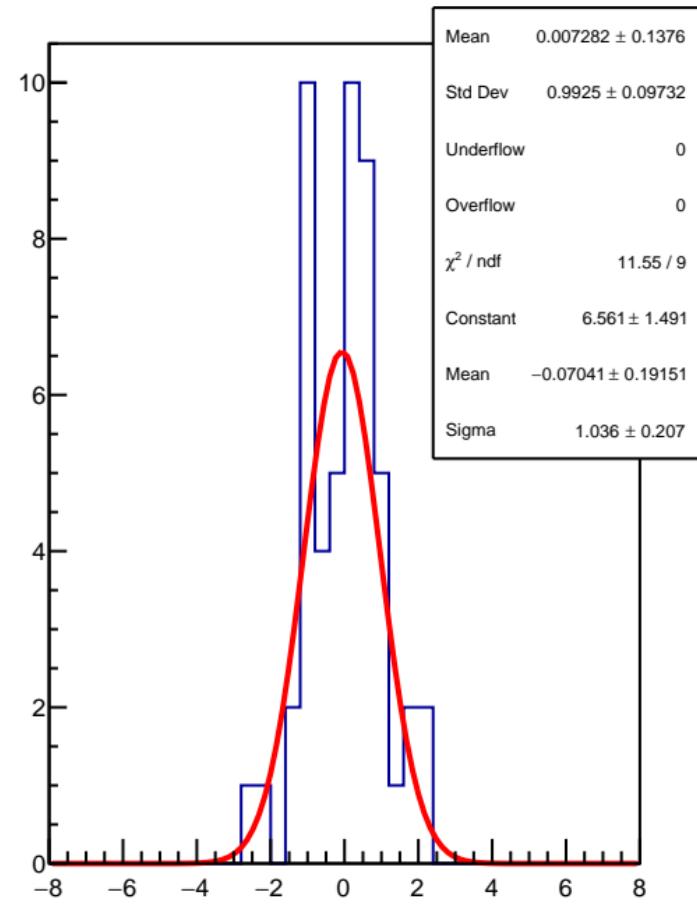
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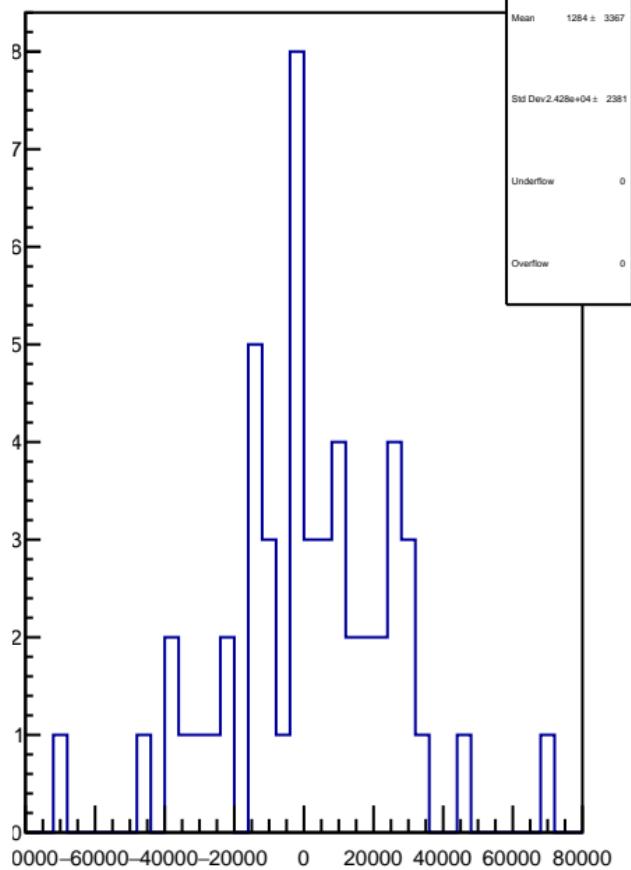
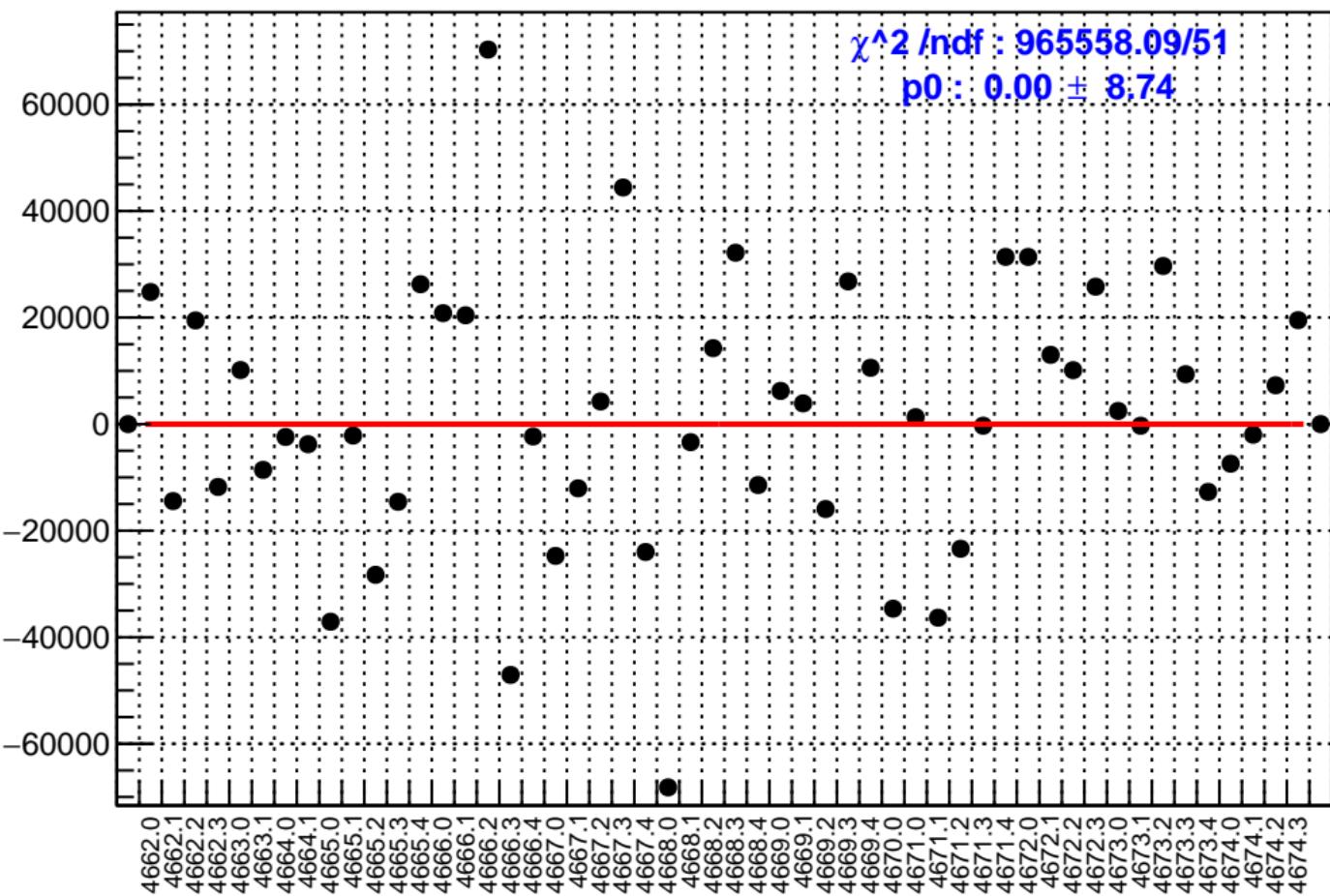


1D pull distribution

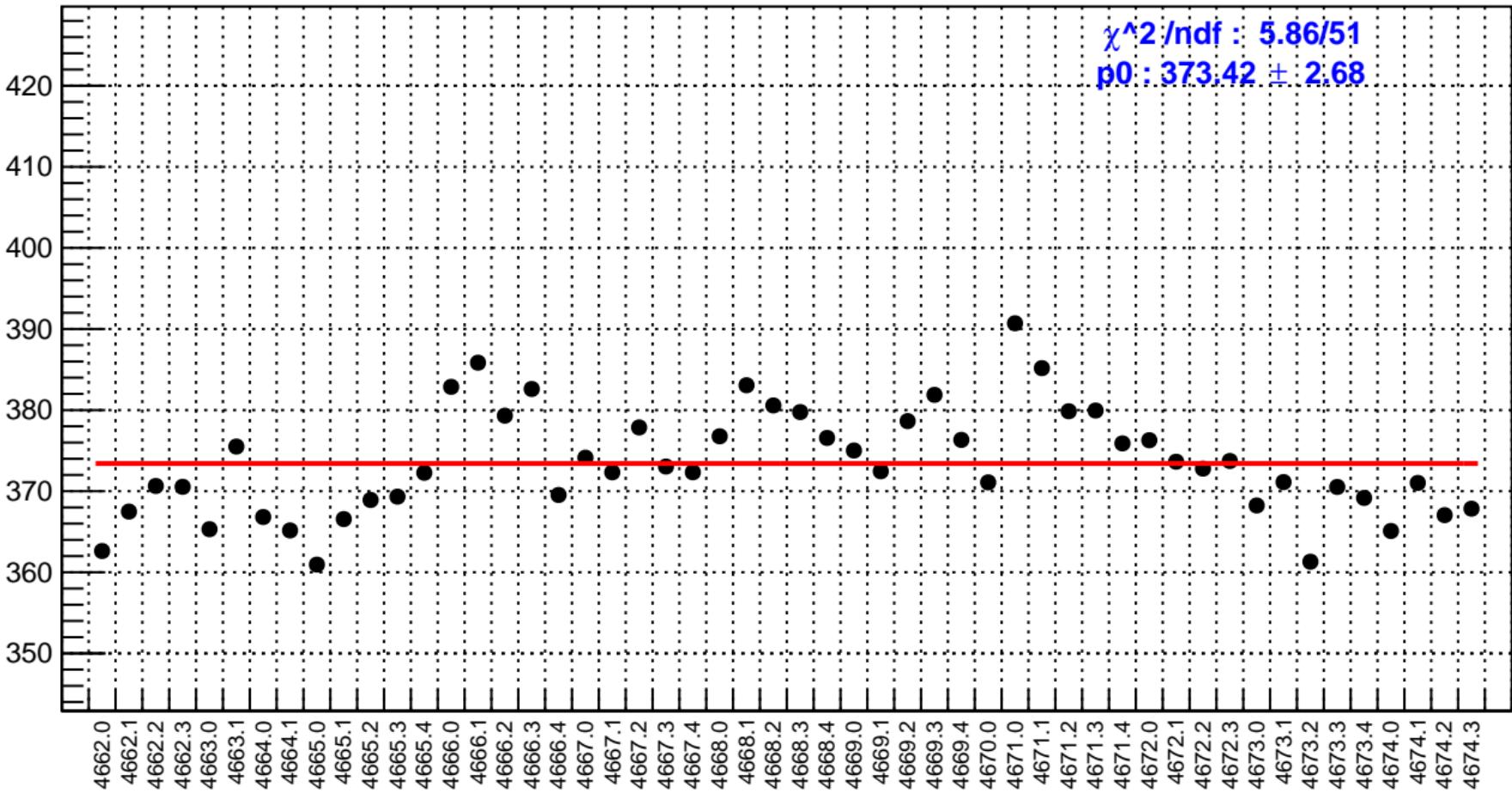


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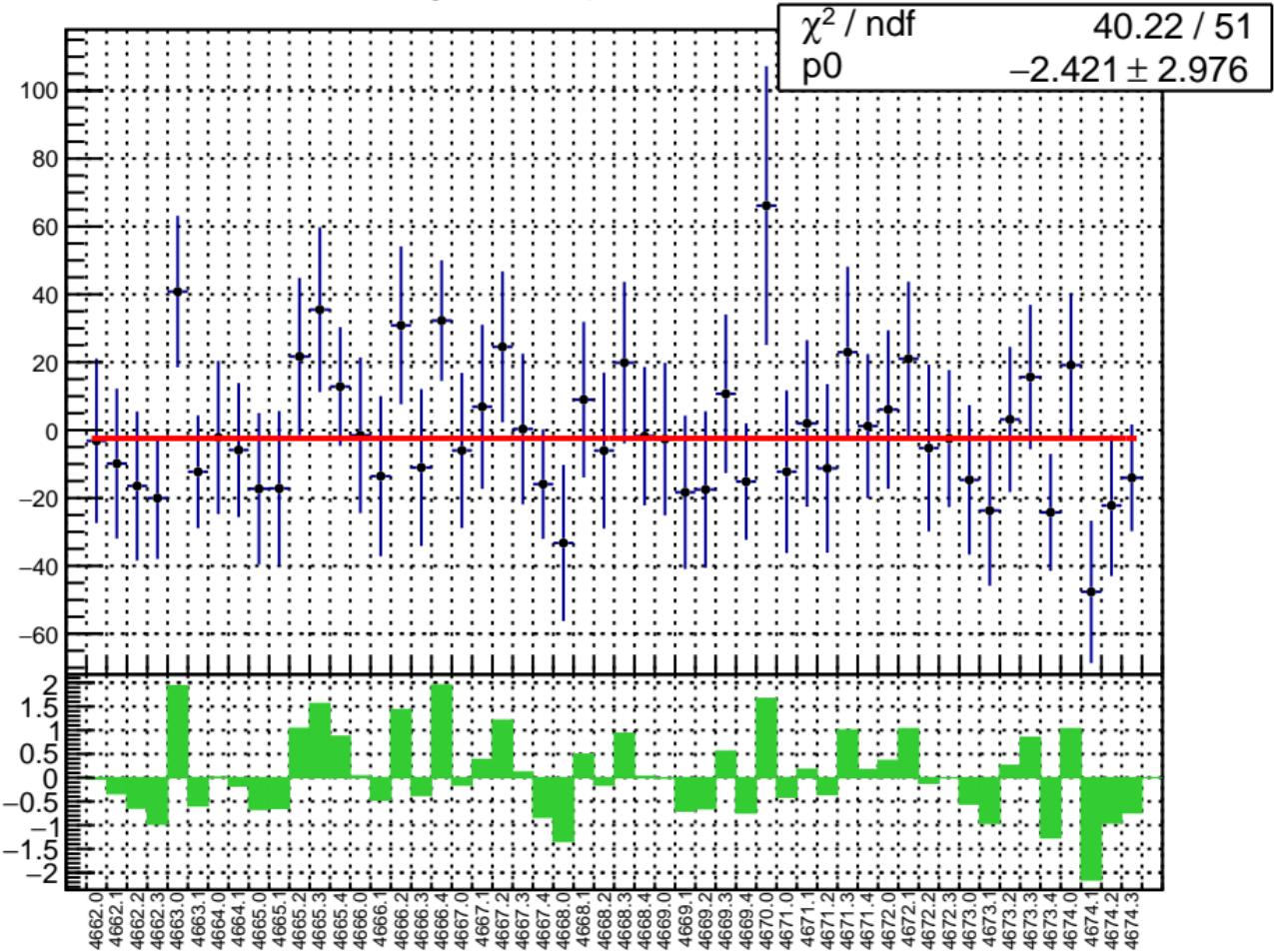
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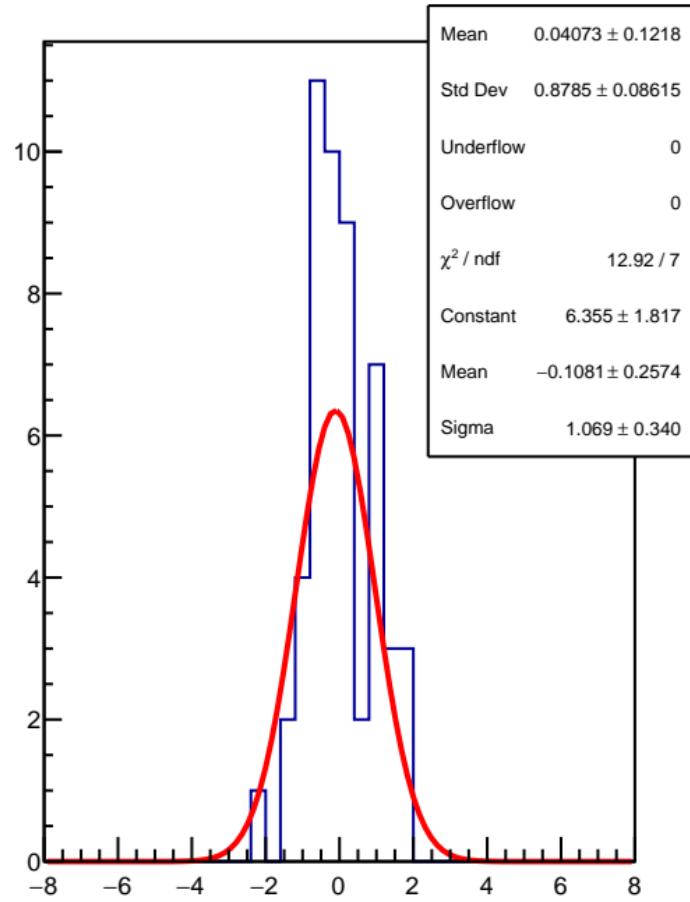
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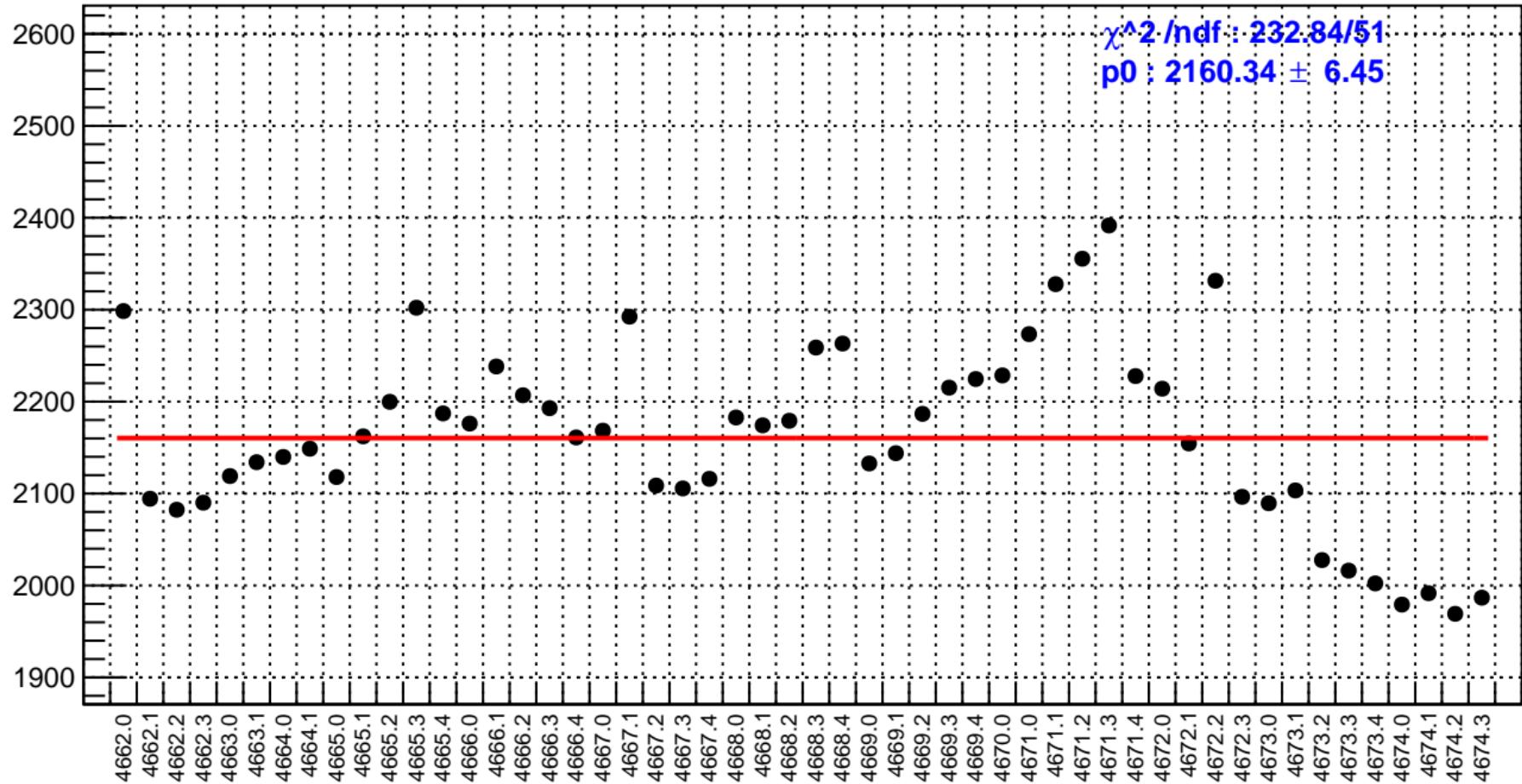
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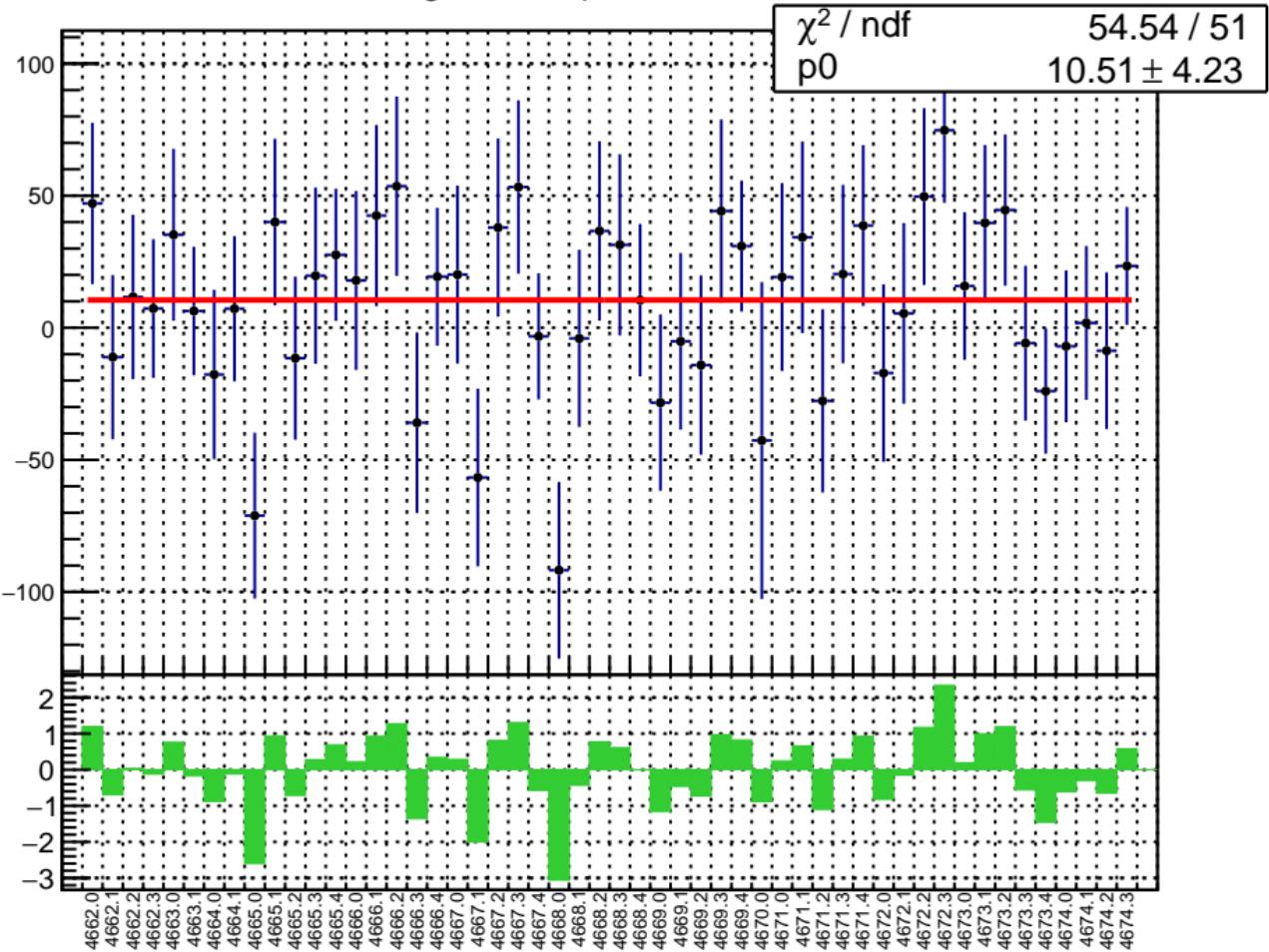
1D pull distribution



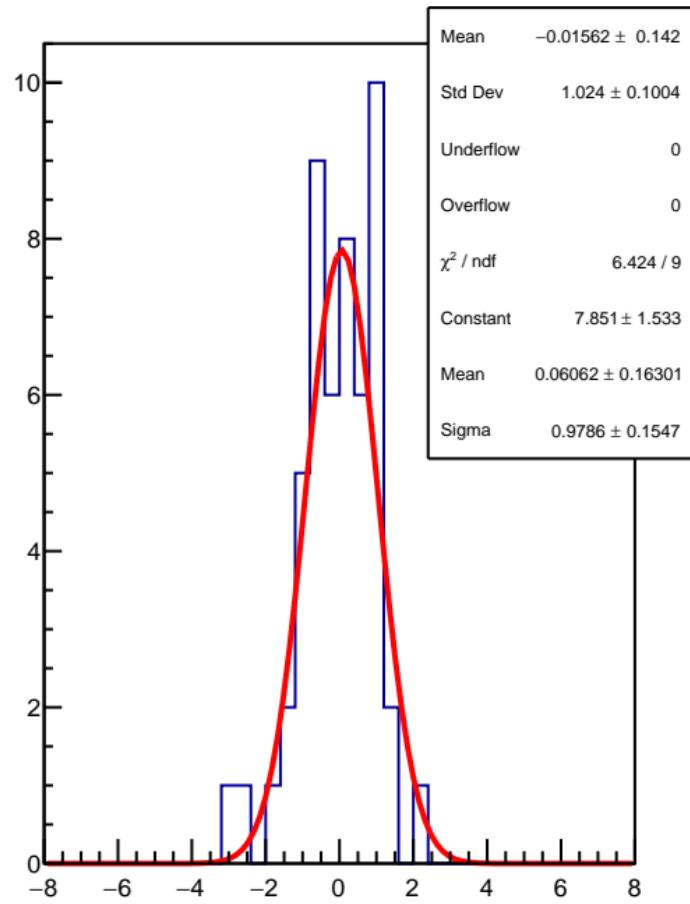
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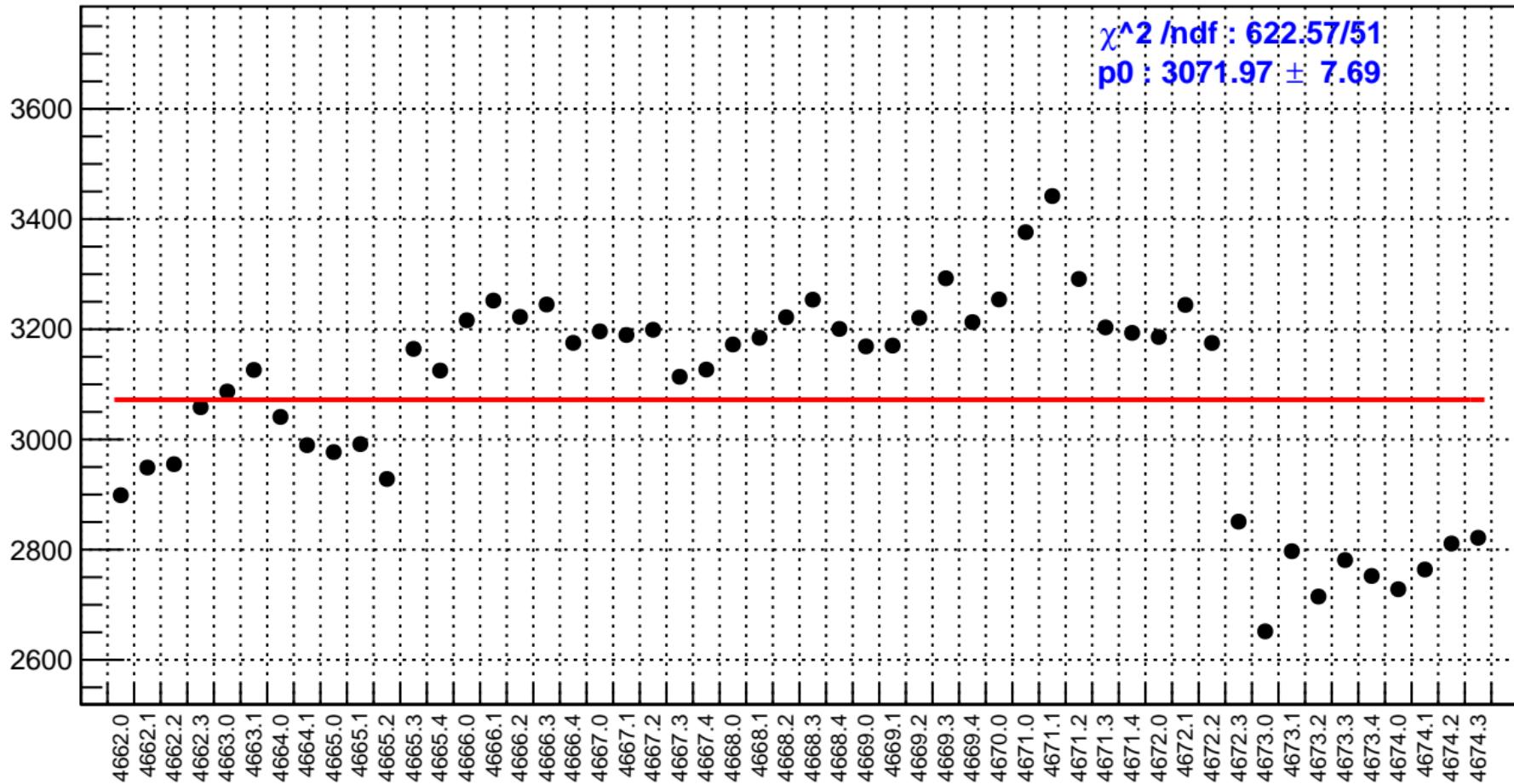
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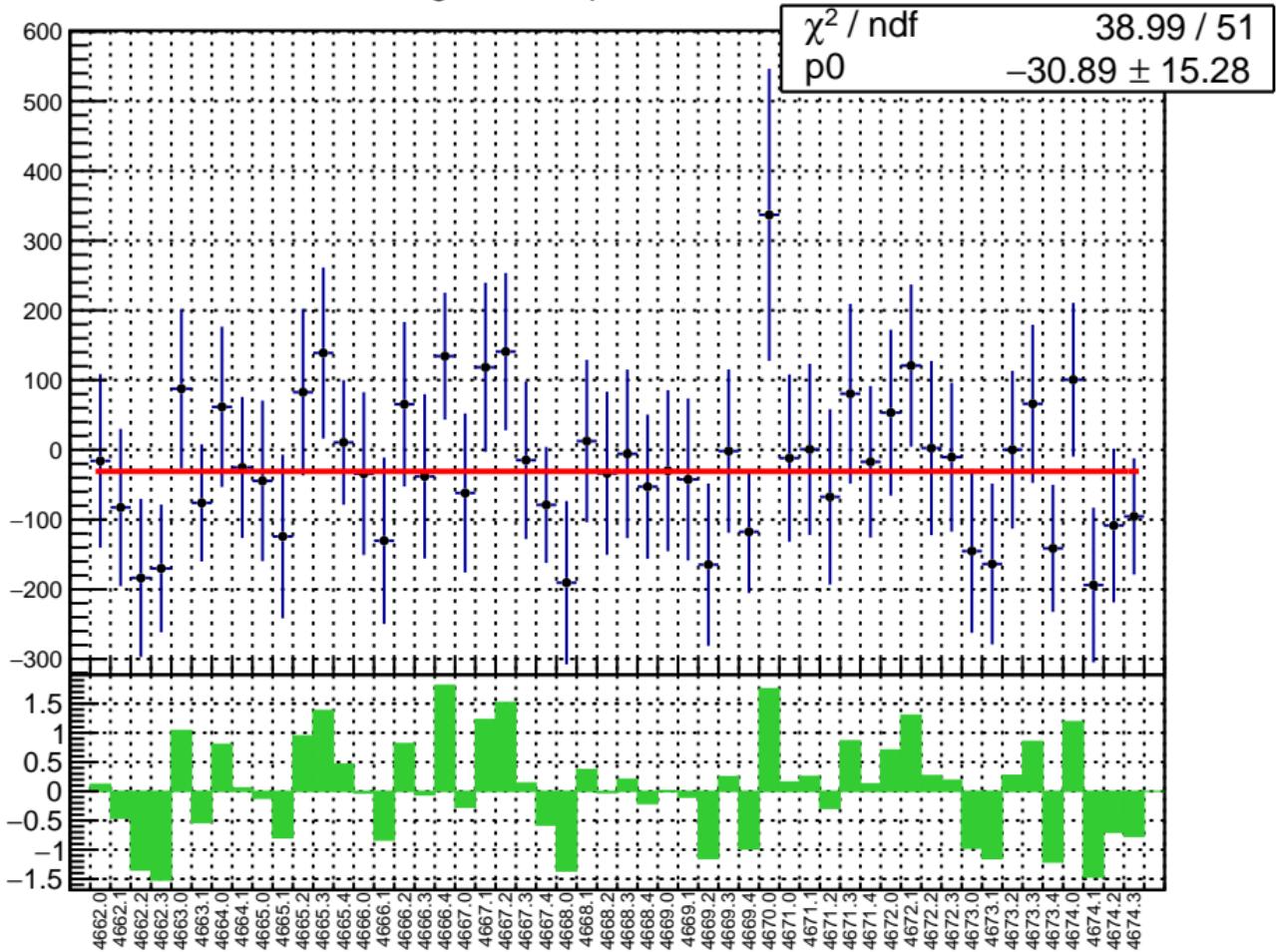
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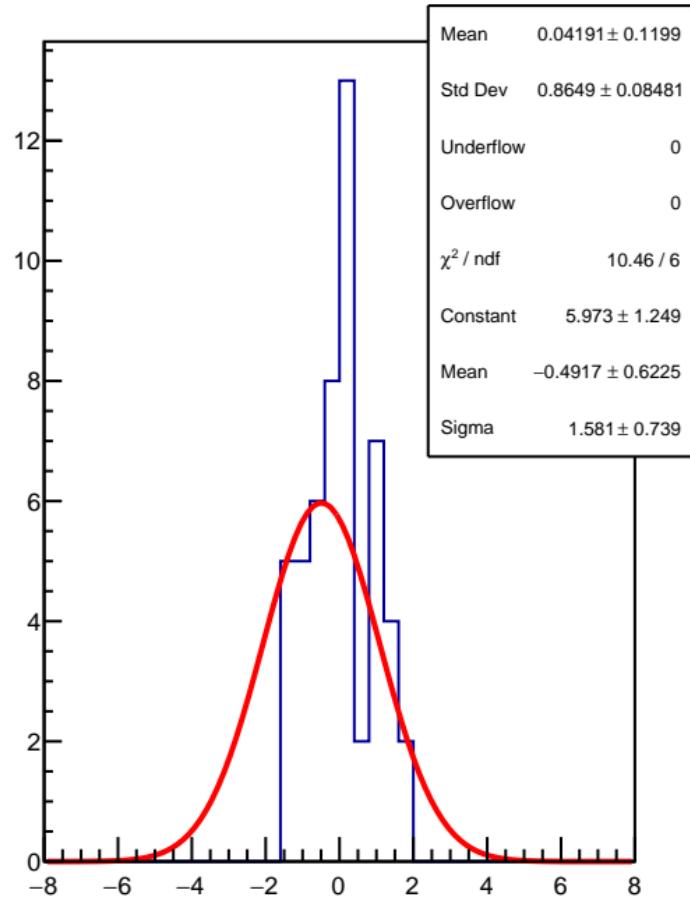
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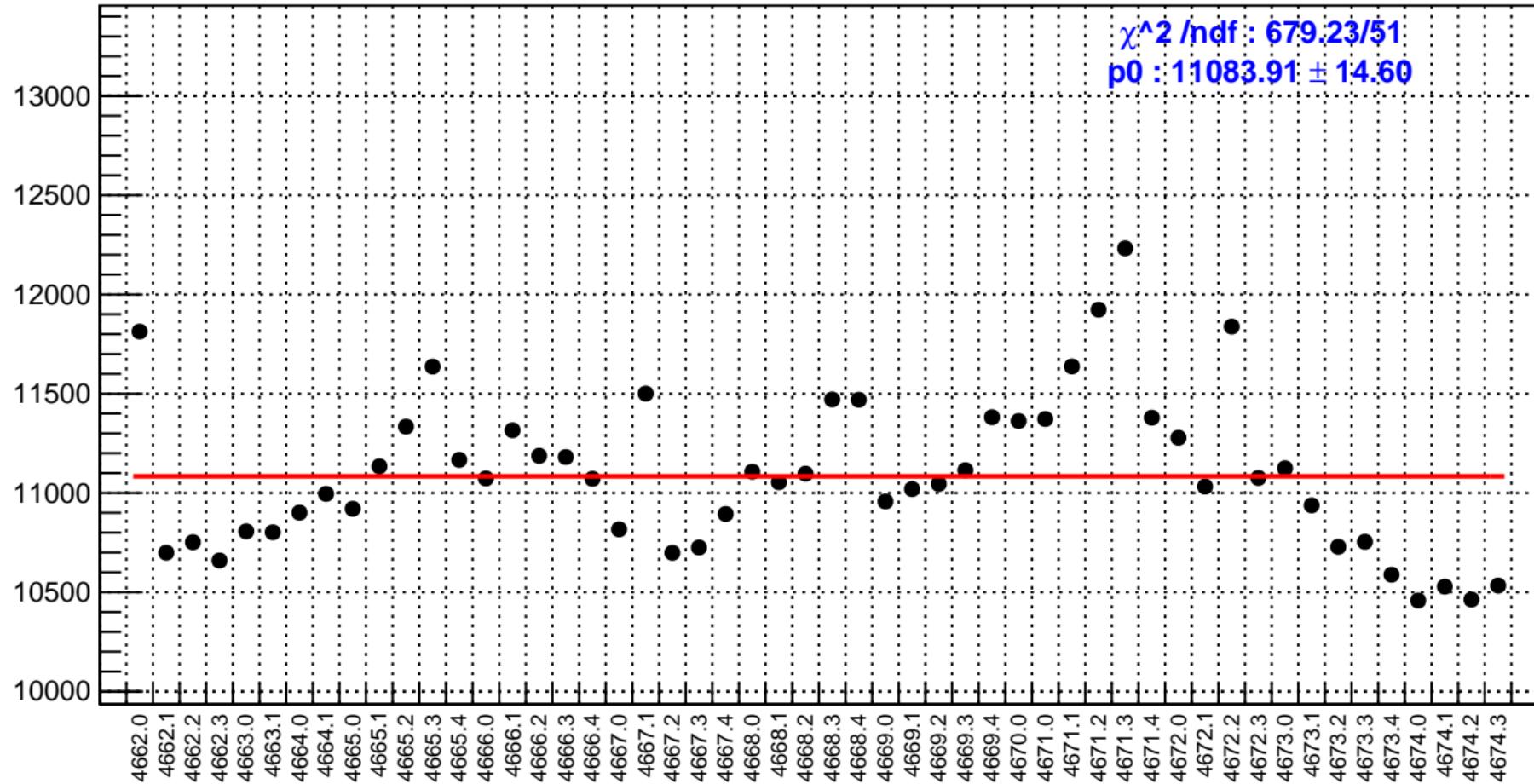
slug73: diff_bpm4eX.mean/nm



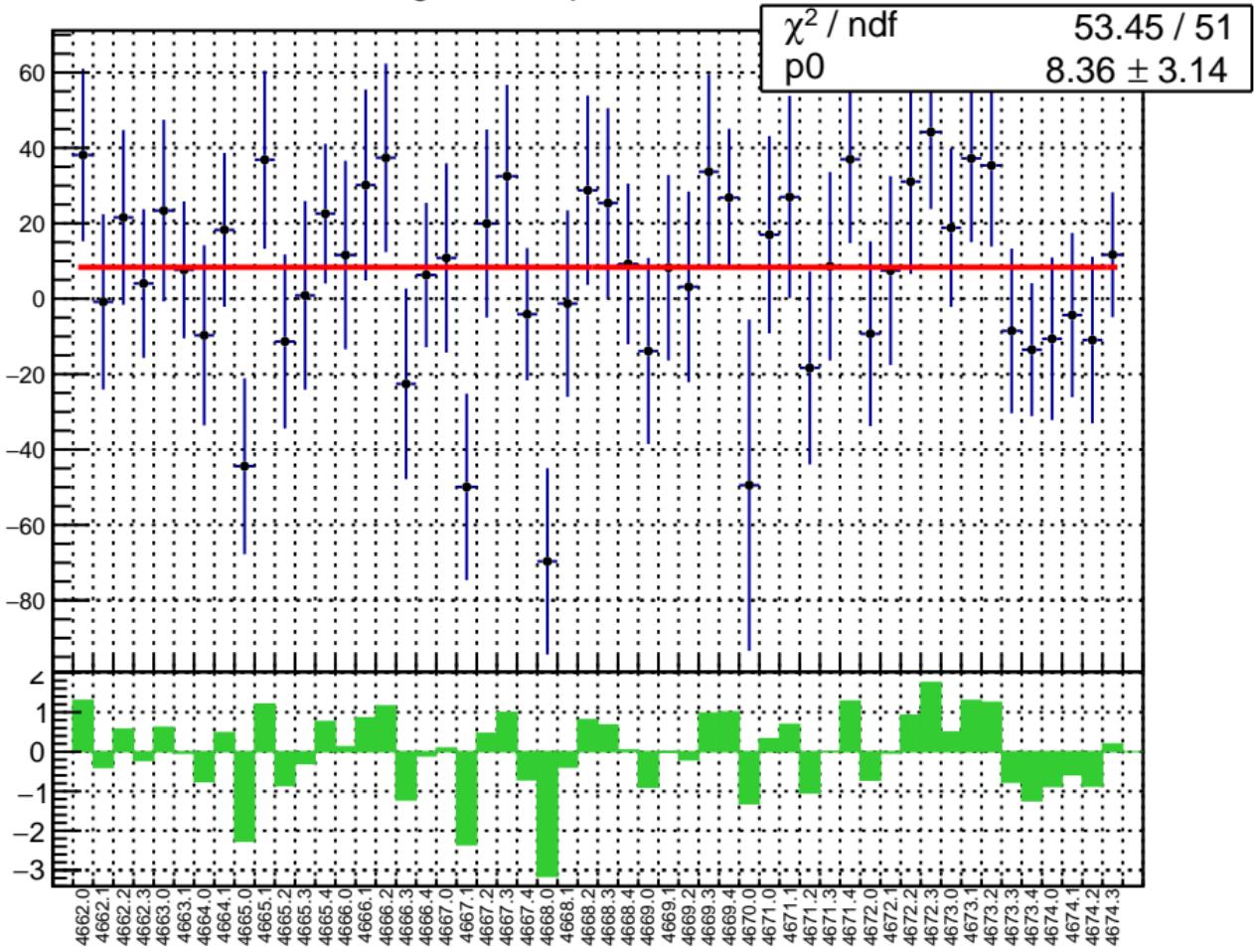
1D pull distribution



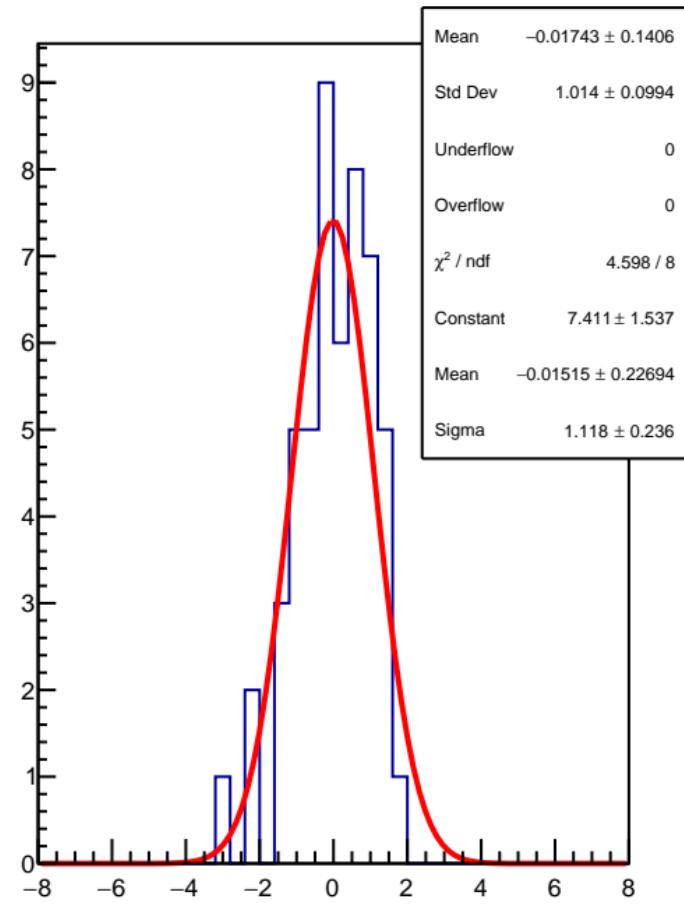
slug73: diff_bpm4eX.rms/nm



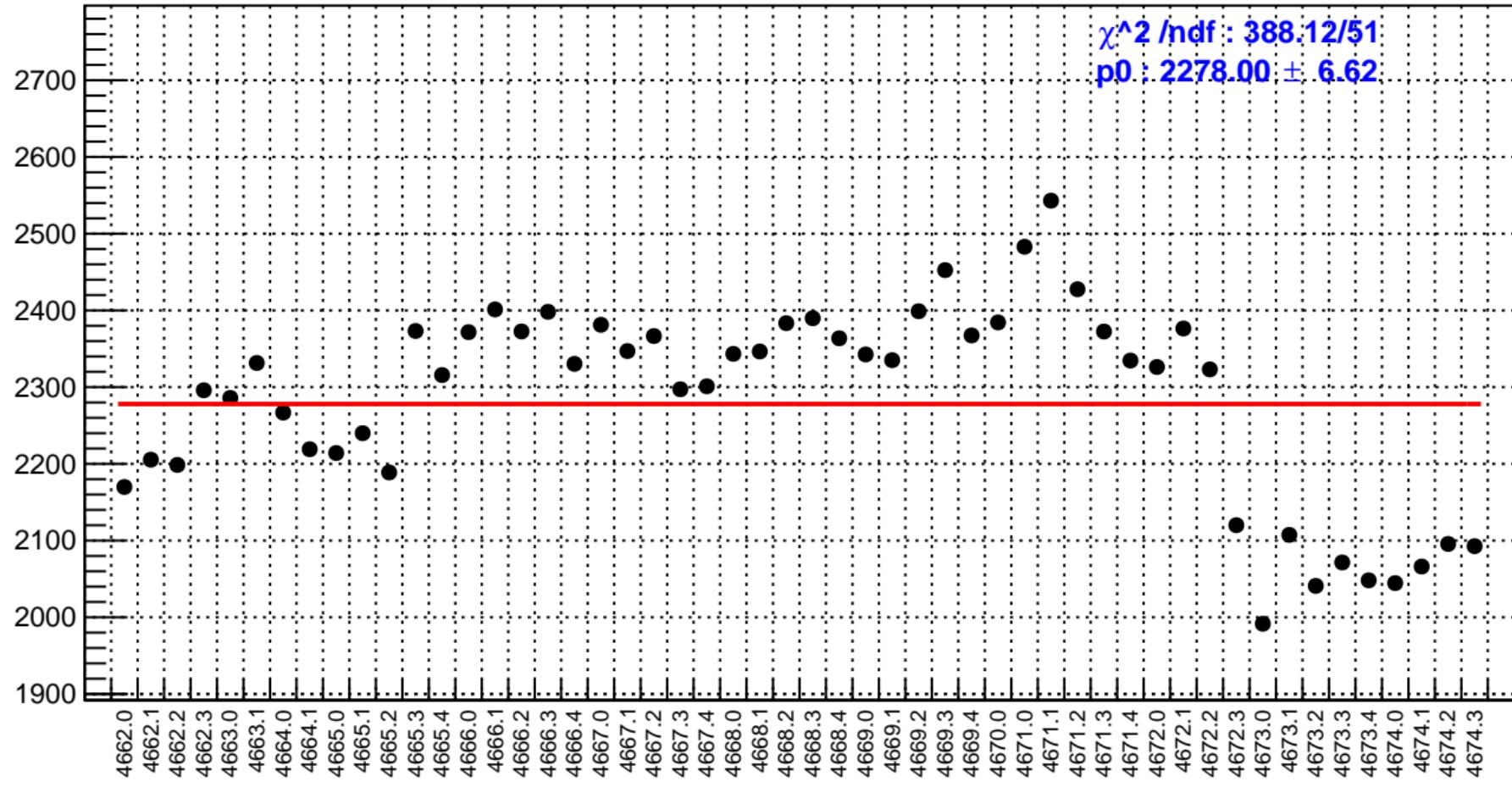
slug73: diff_bpm4eY.mean/nm



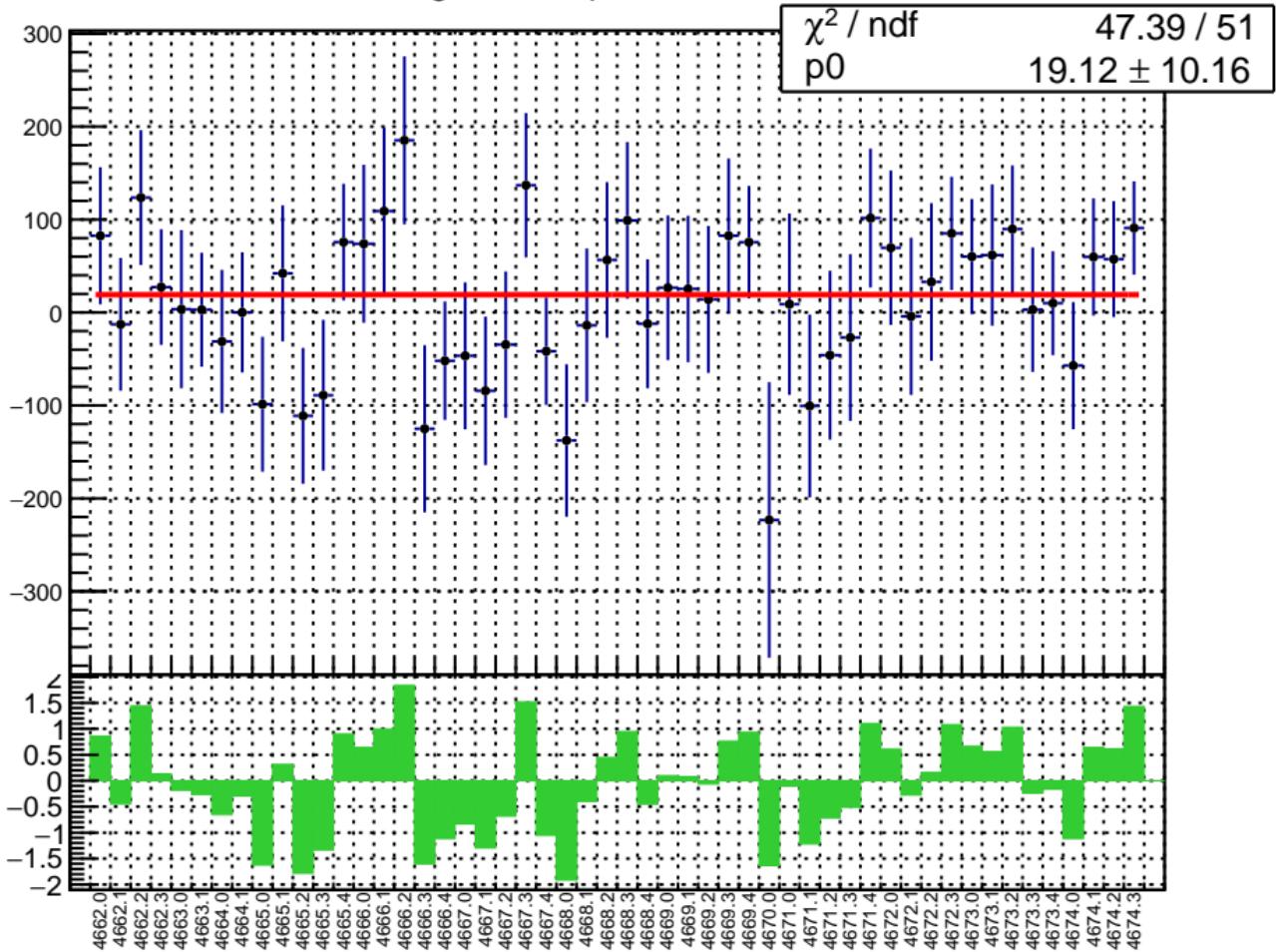
1D pull distribution



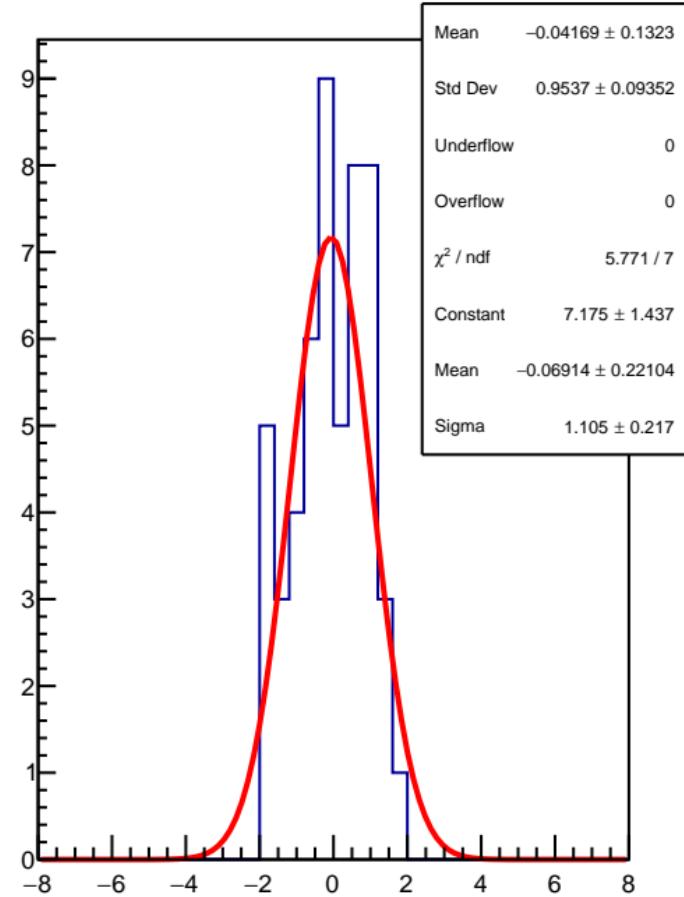
slug73: diff_bpm4eY.rms/nm



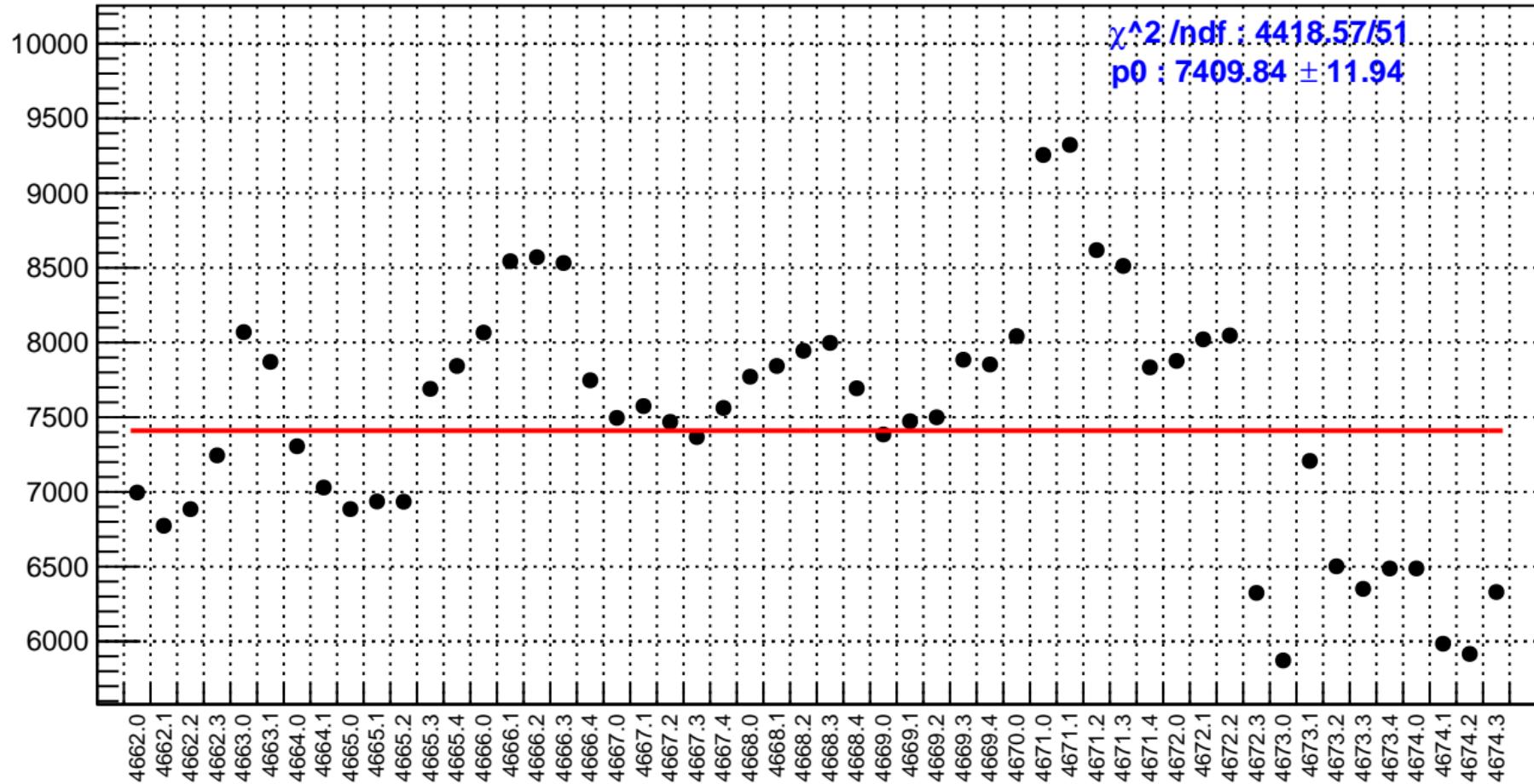
slug73: diff_bpm11X.mean/nm



1D pull distribution

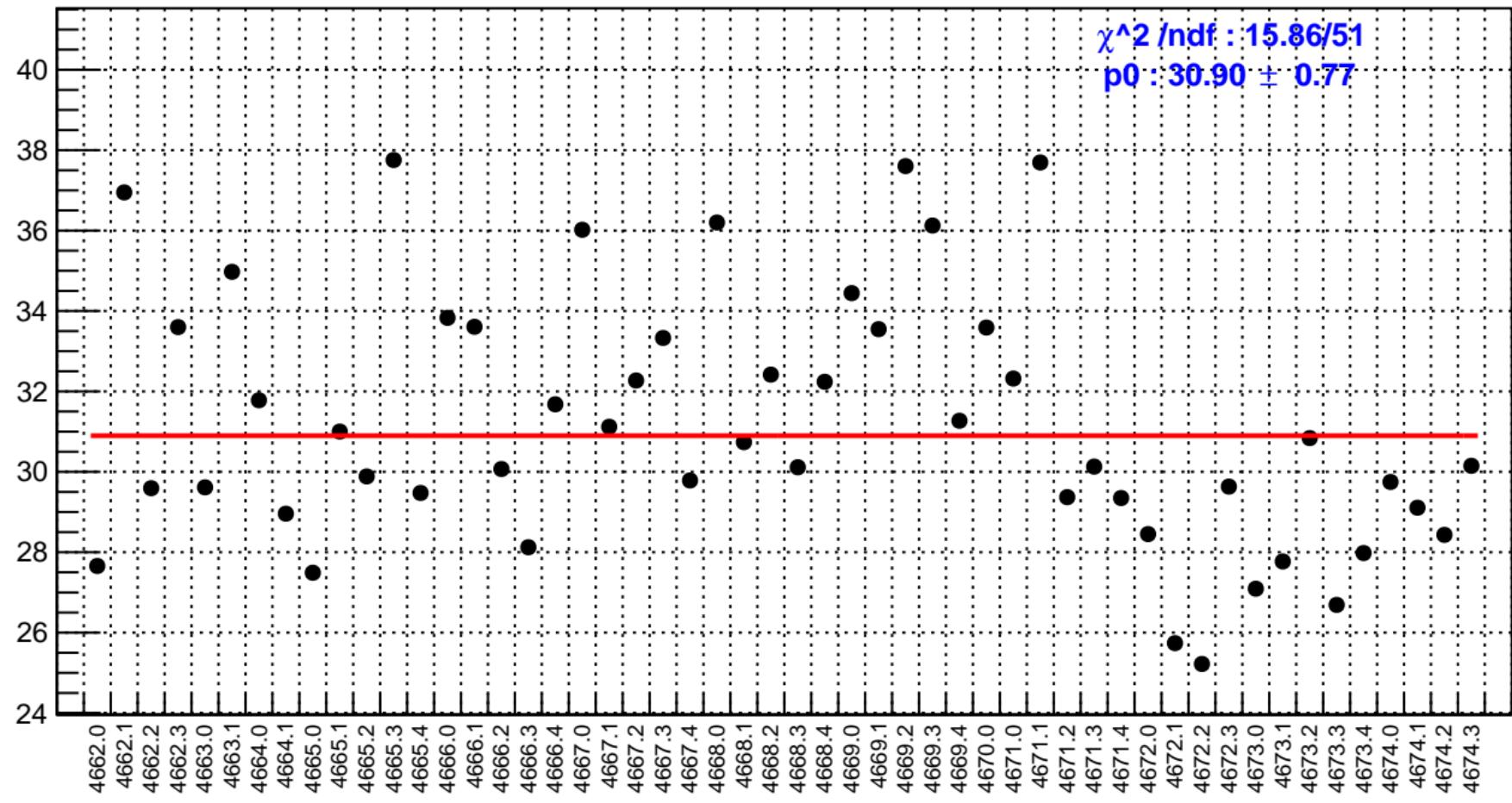


slug73: diff_bpm11X.rms/nm

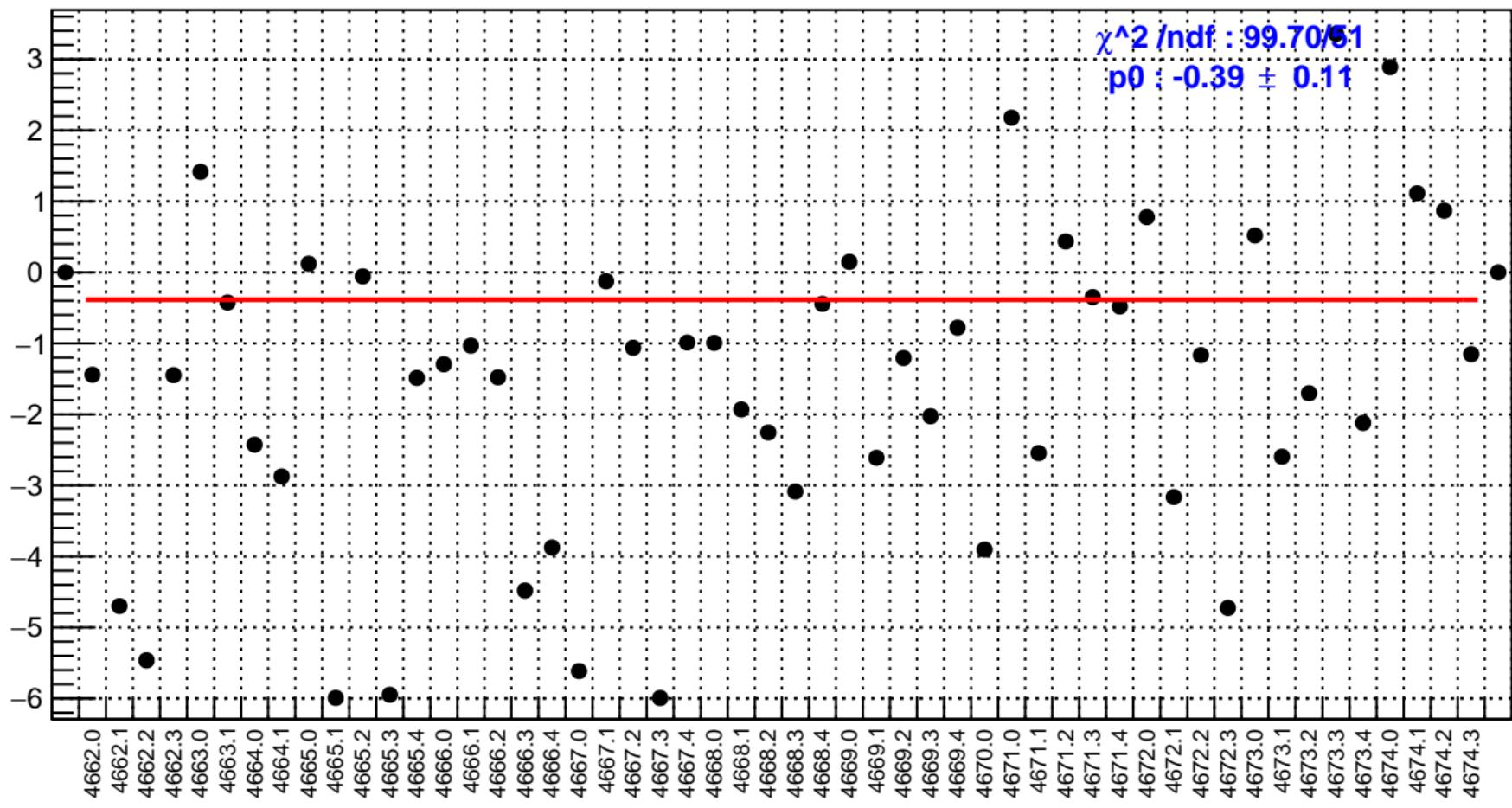


slug73: usl_bpm4aX/(ppb/nm)

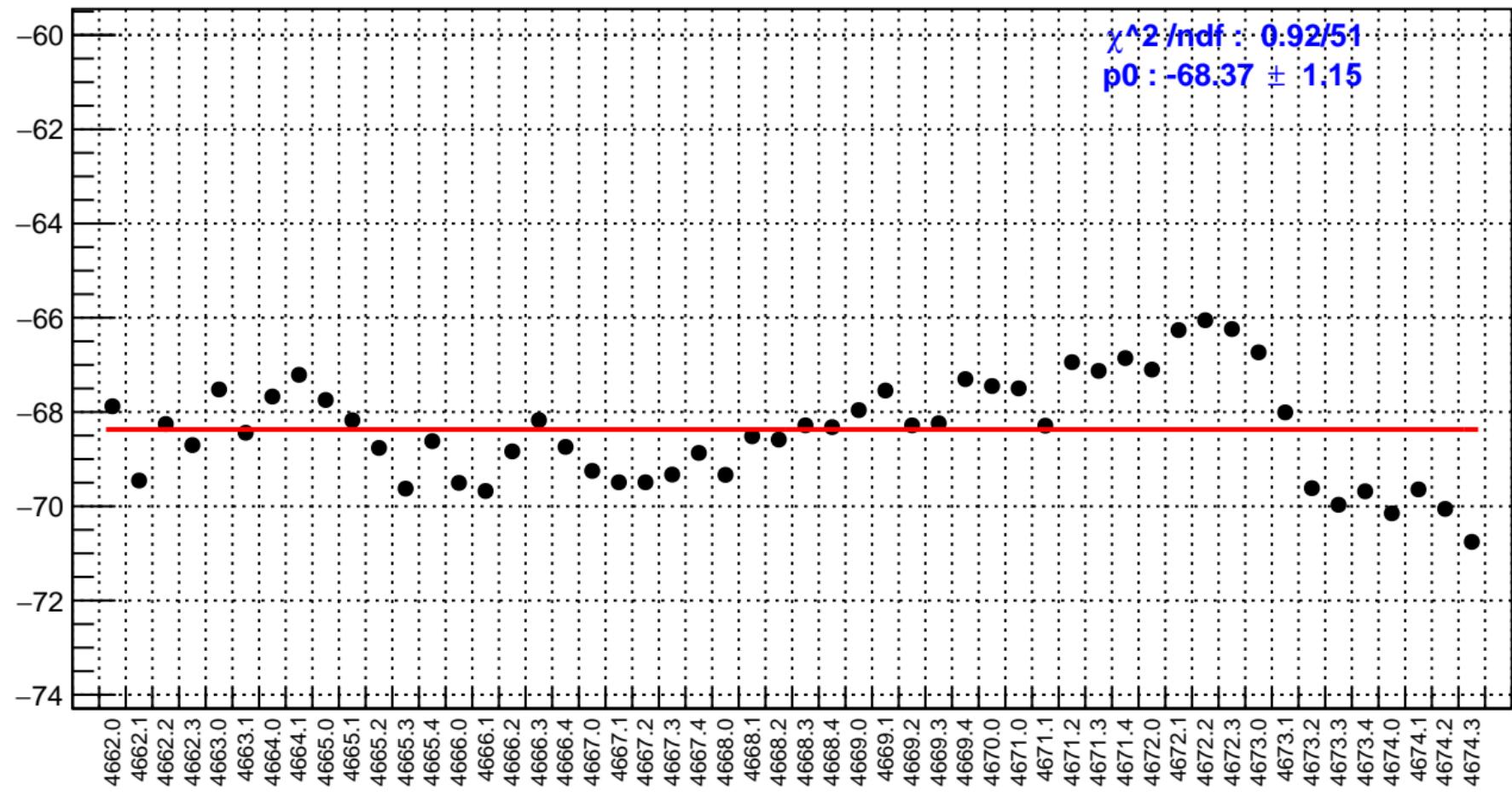
$\chi^2 / \text{ndf} : 15.86 / 51$
 $p_0 : 30.90 \pm 0.77$



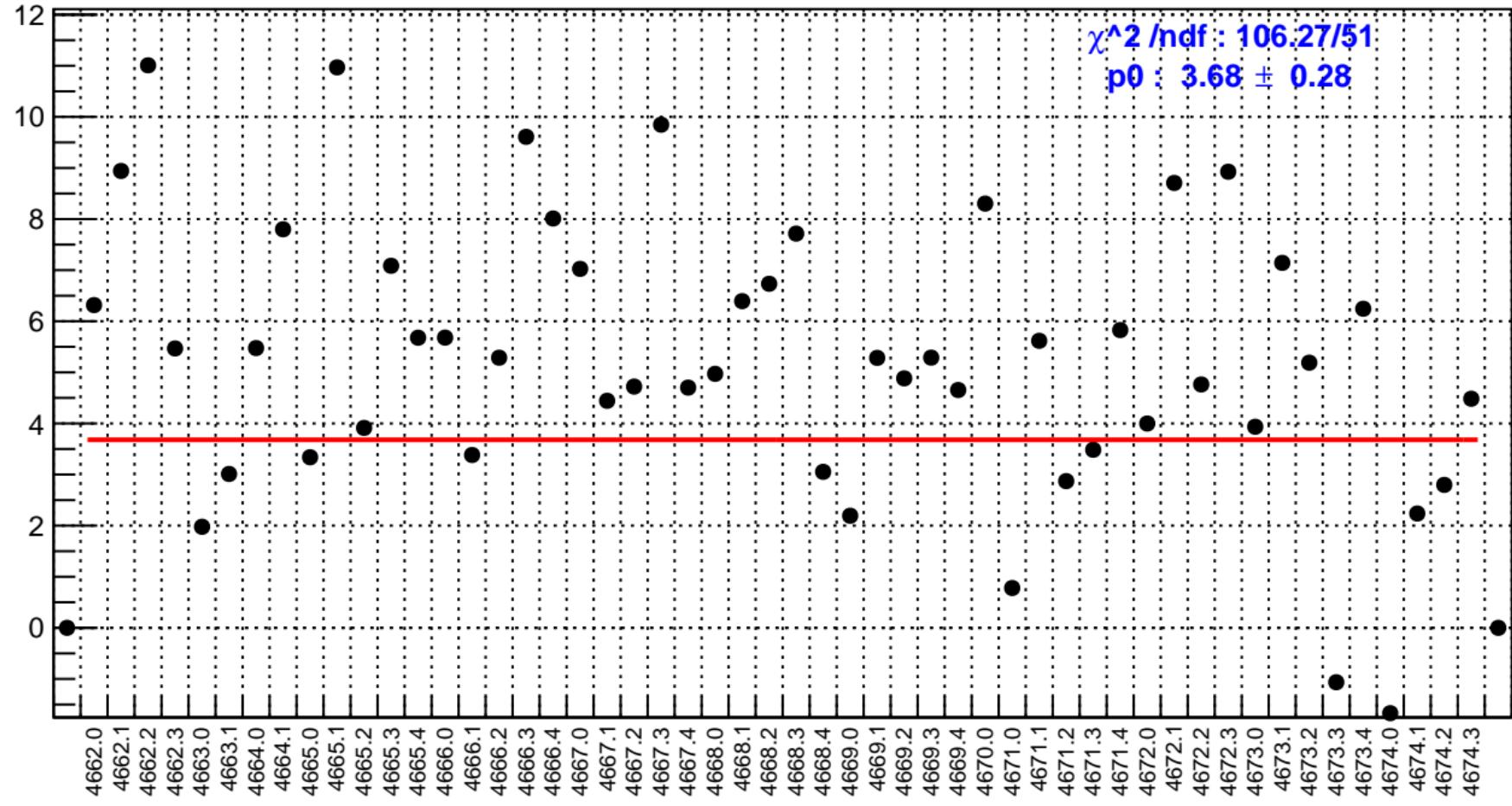
slug73: usl_bpm4aY/(ppb/nm)



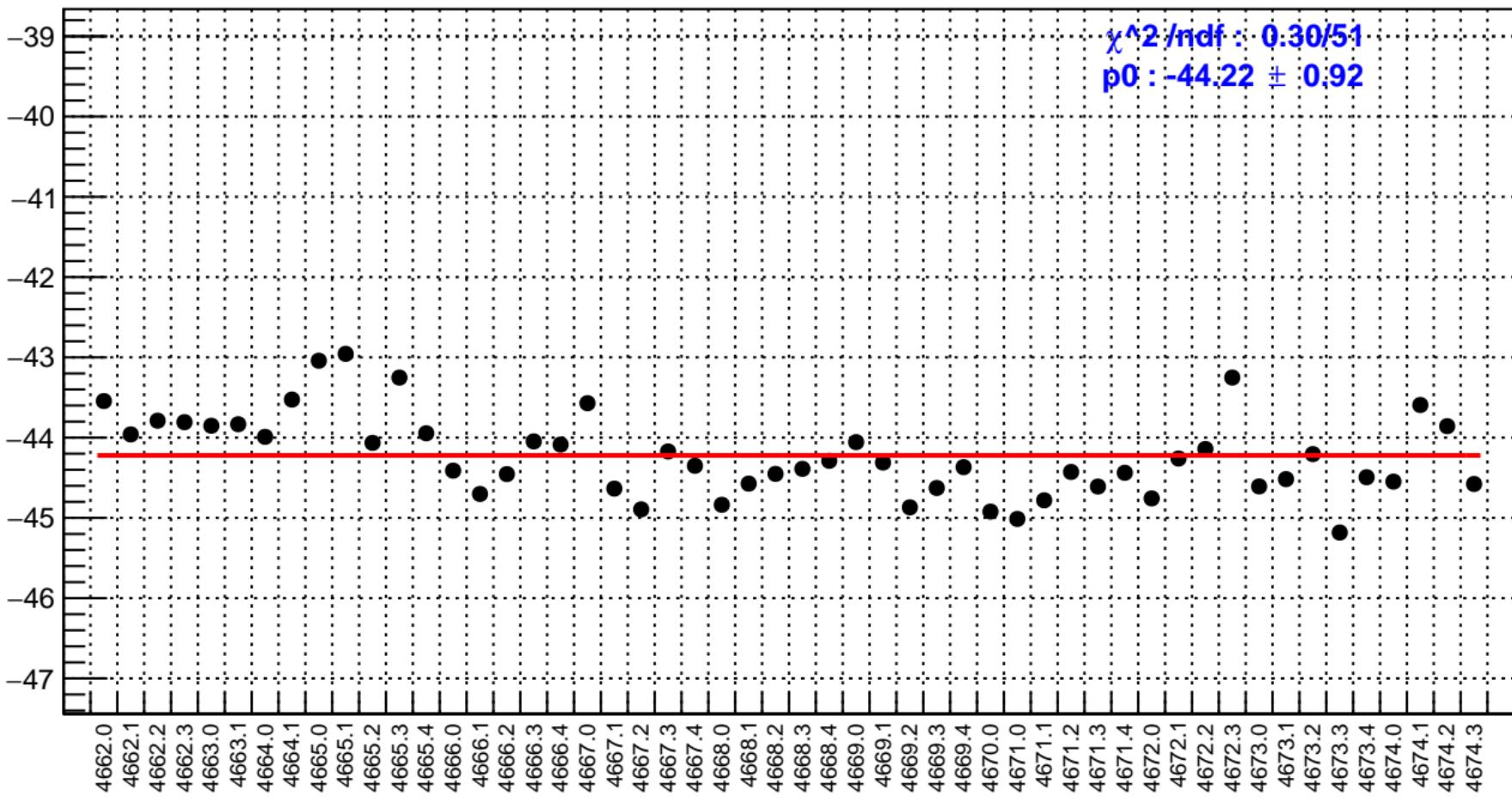
slug73: usl_bpm4eX/(ppb/nm)



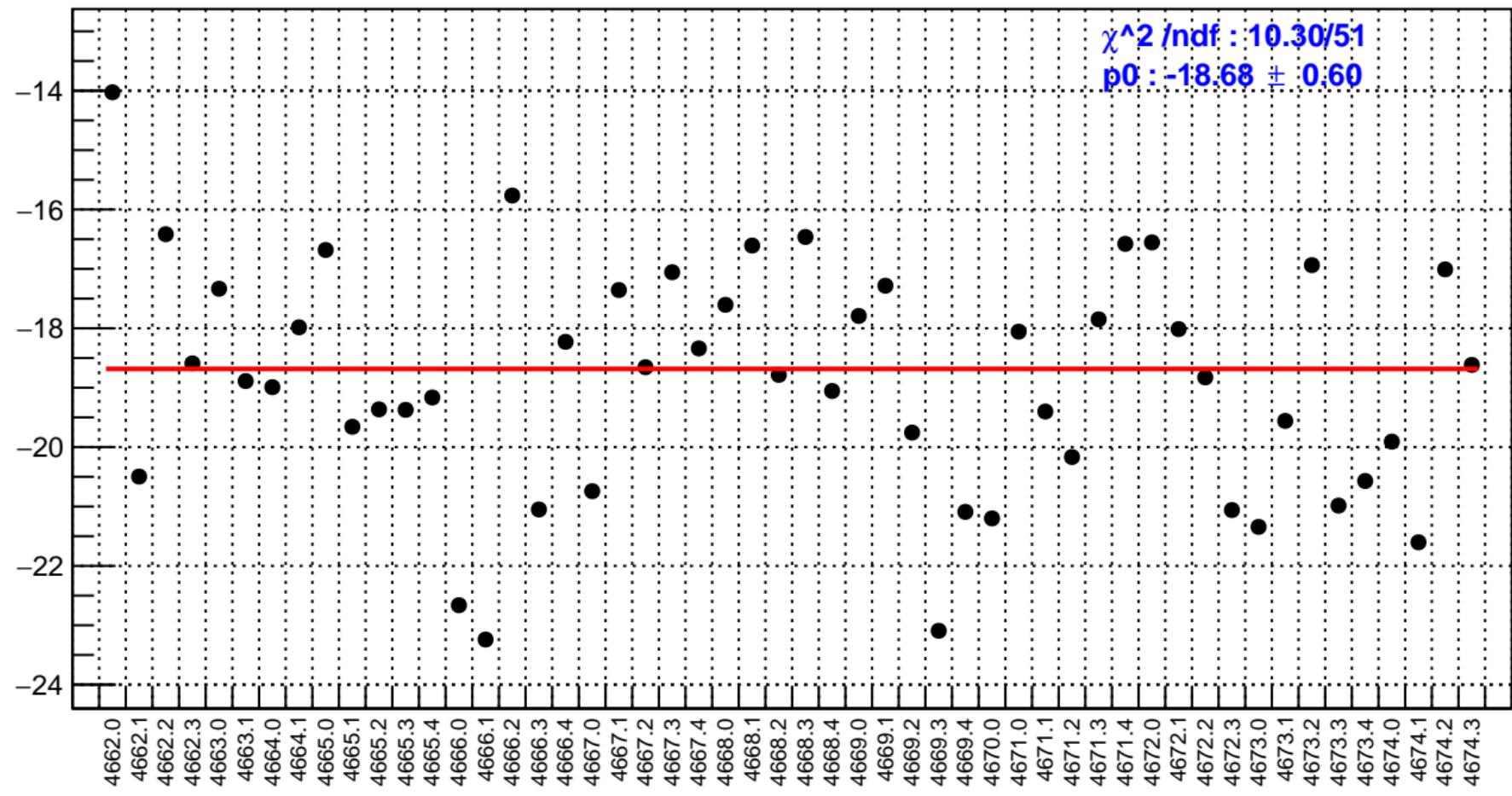
slug73: usl_bpm4eY/(ppb/nm)



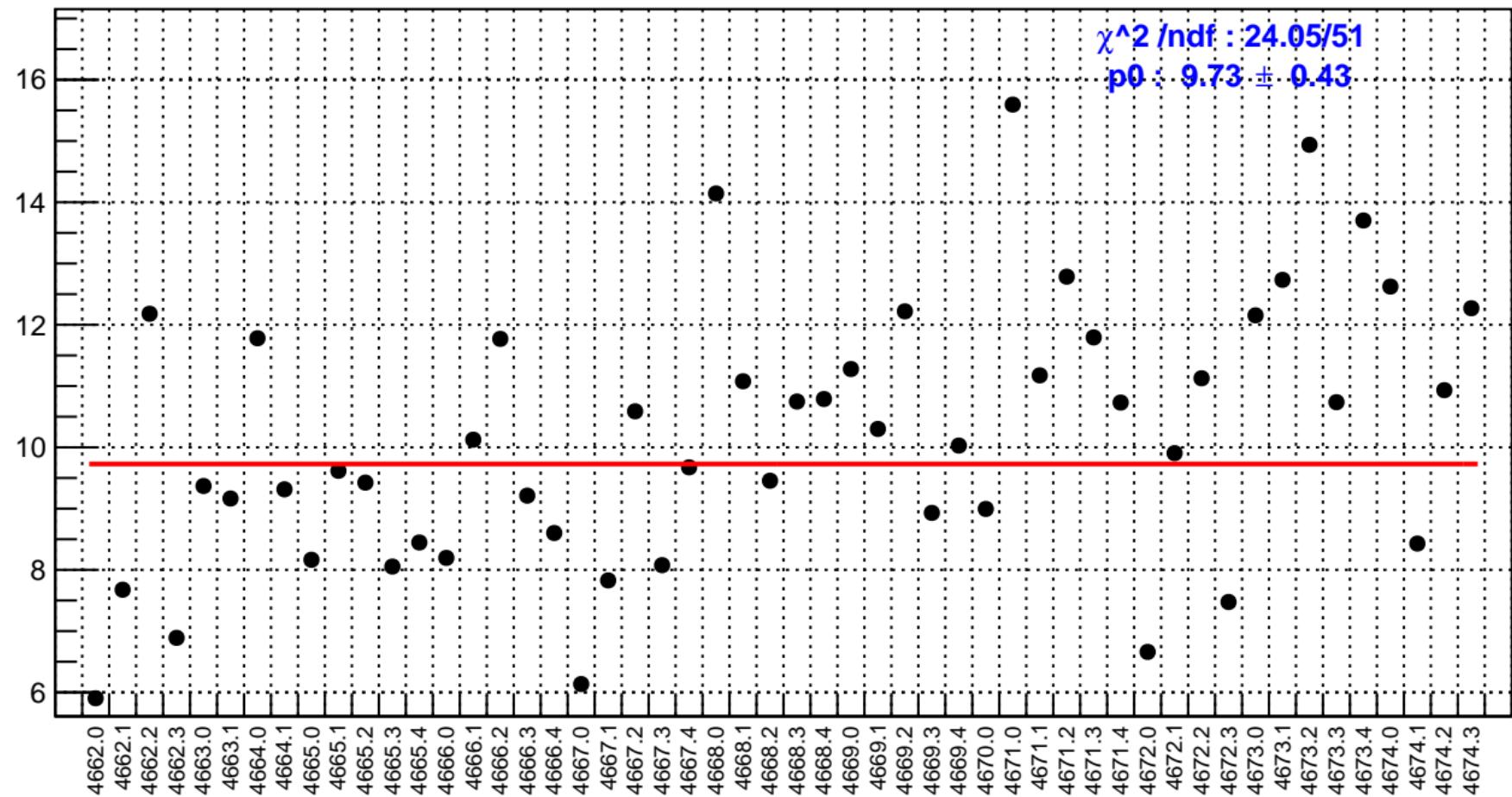
slug73: usl_bpm12X/(ppb/nm)



slug73: usr_bpm4aX/(ppb/nm)

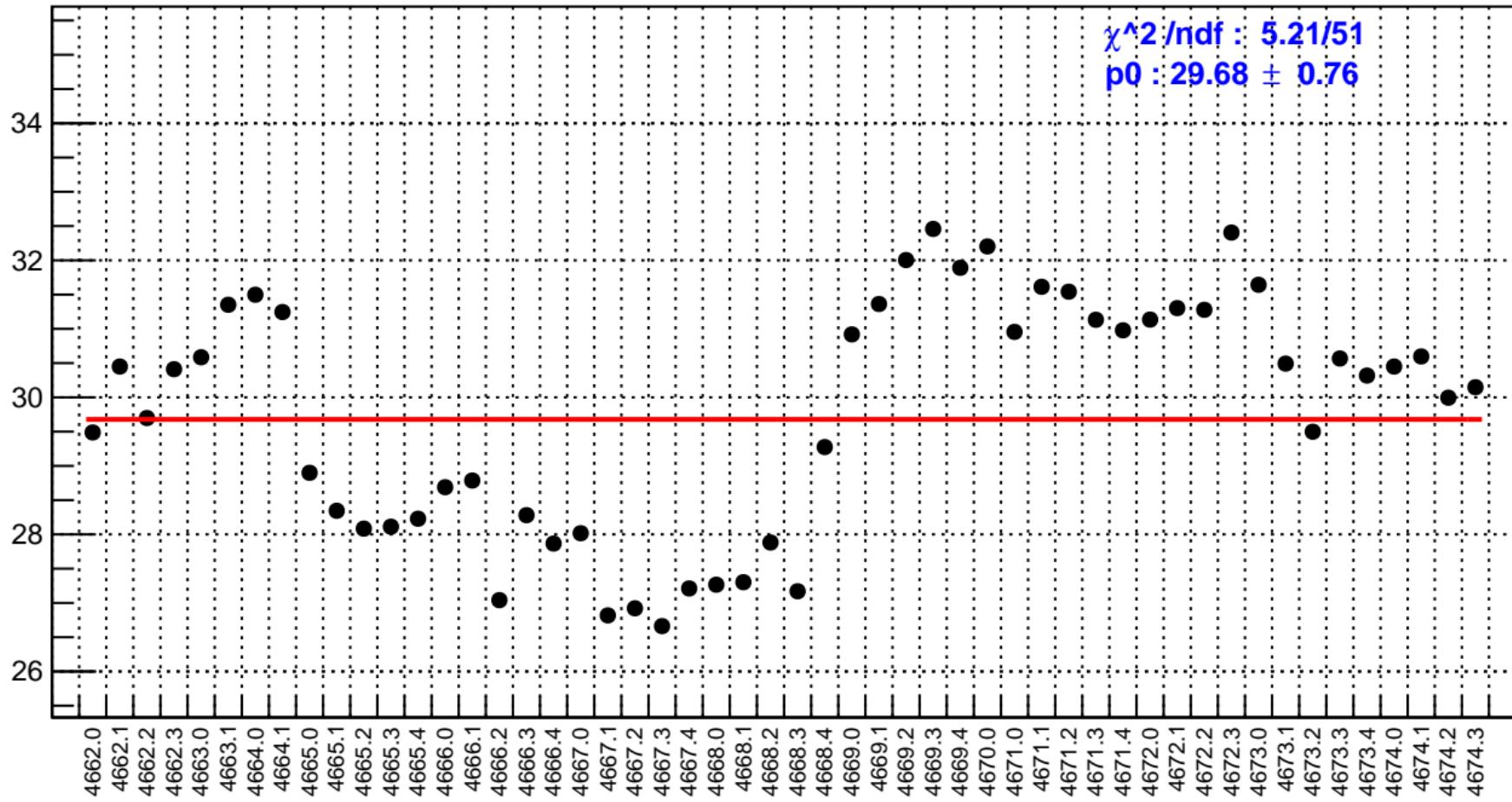


slug73: usr_bpm4aY/(ppb/nm)

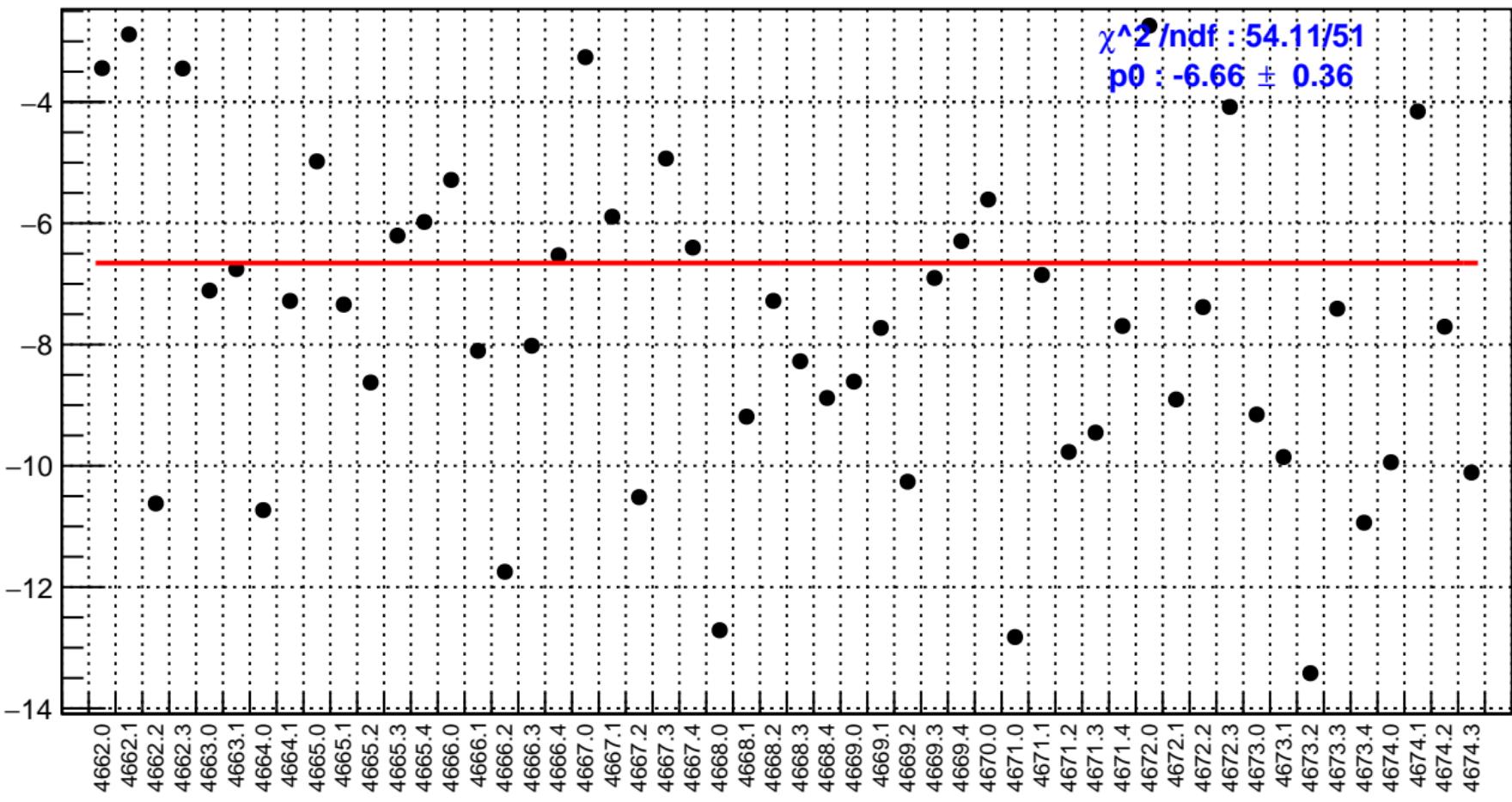


slug73: usr_bpm4eX/(ppb/nm)

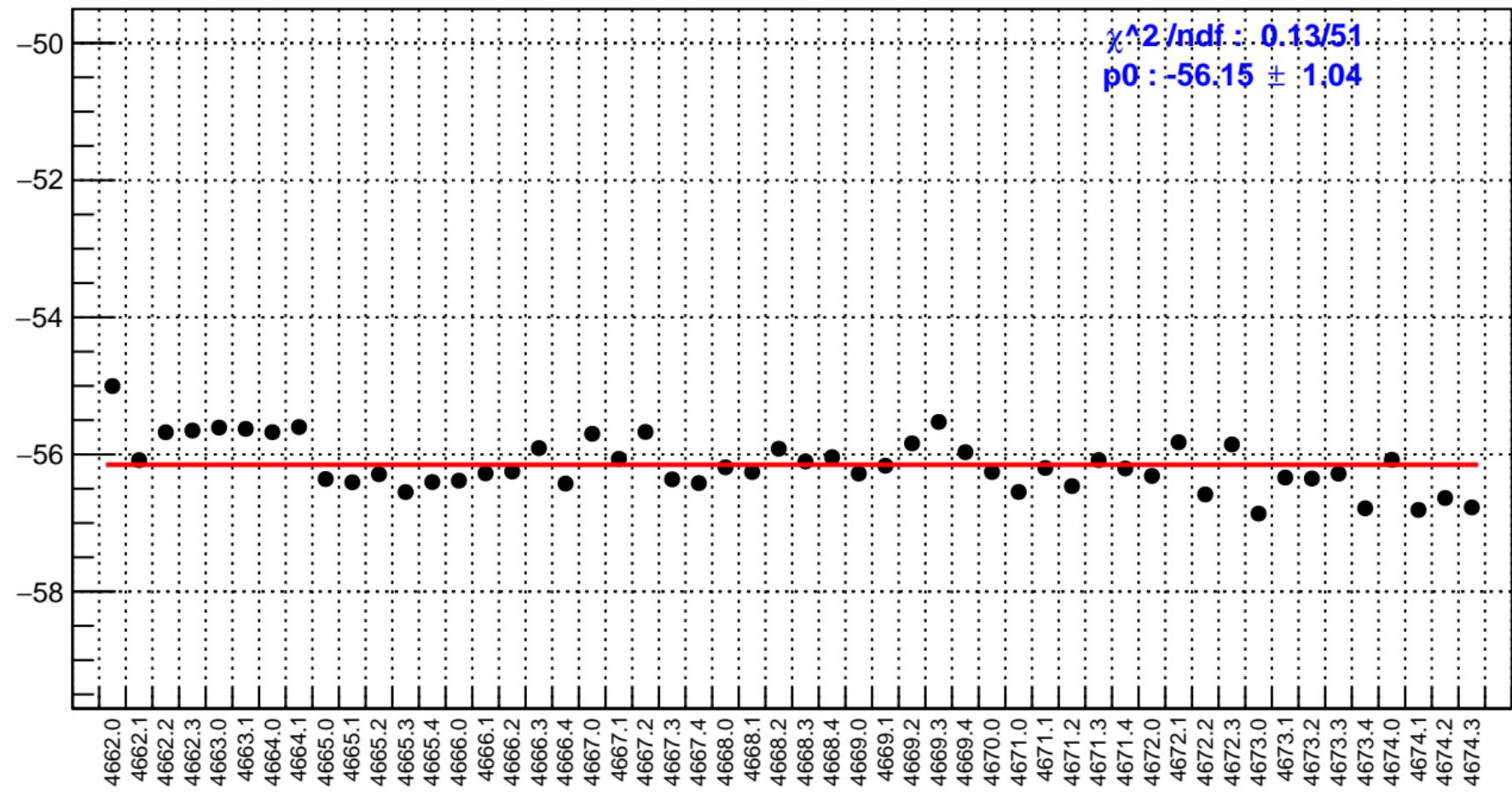
$\chi^2/\text{ndf} : 5.21/51$
 $p_0 : 29.68 \pm 0.76$



slug73: usr_bpm4eY/(ppb/nm)

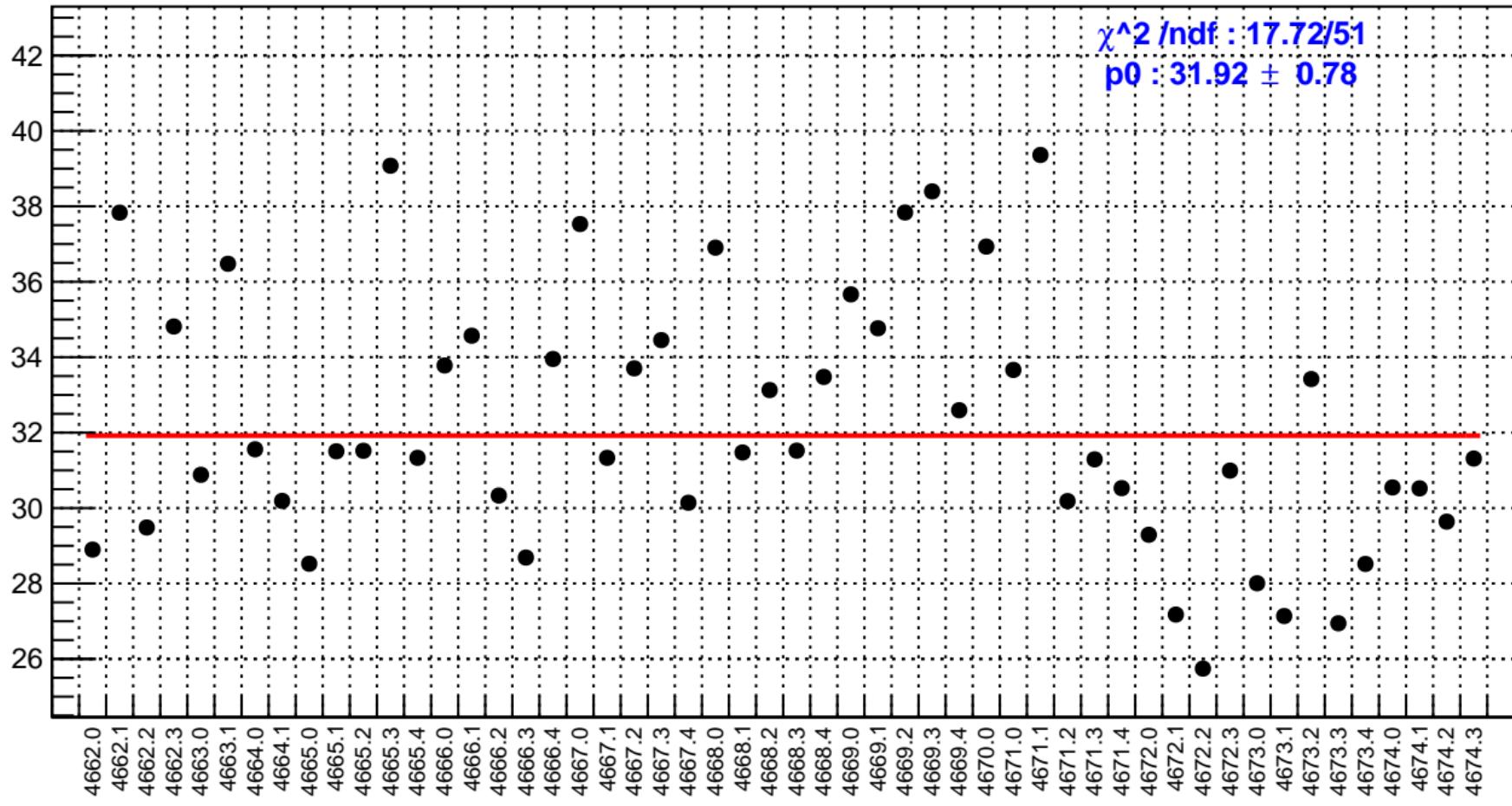


slug73: usr_bpm12X/(ppb/nm)

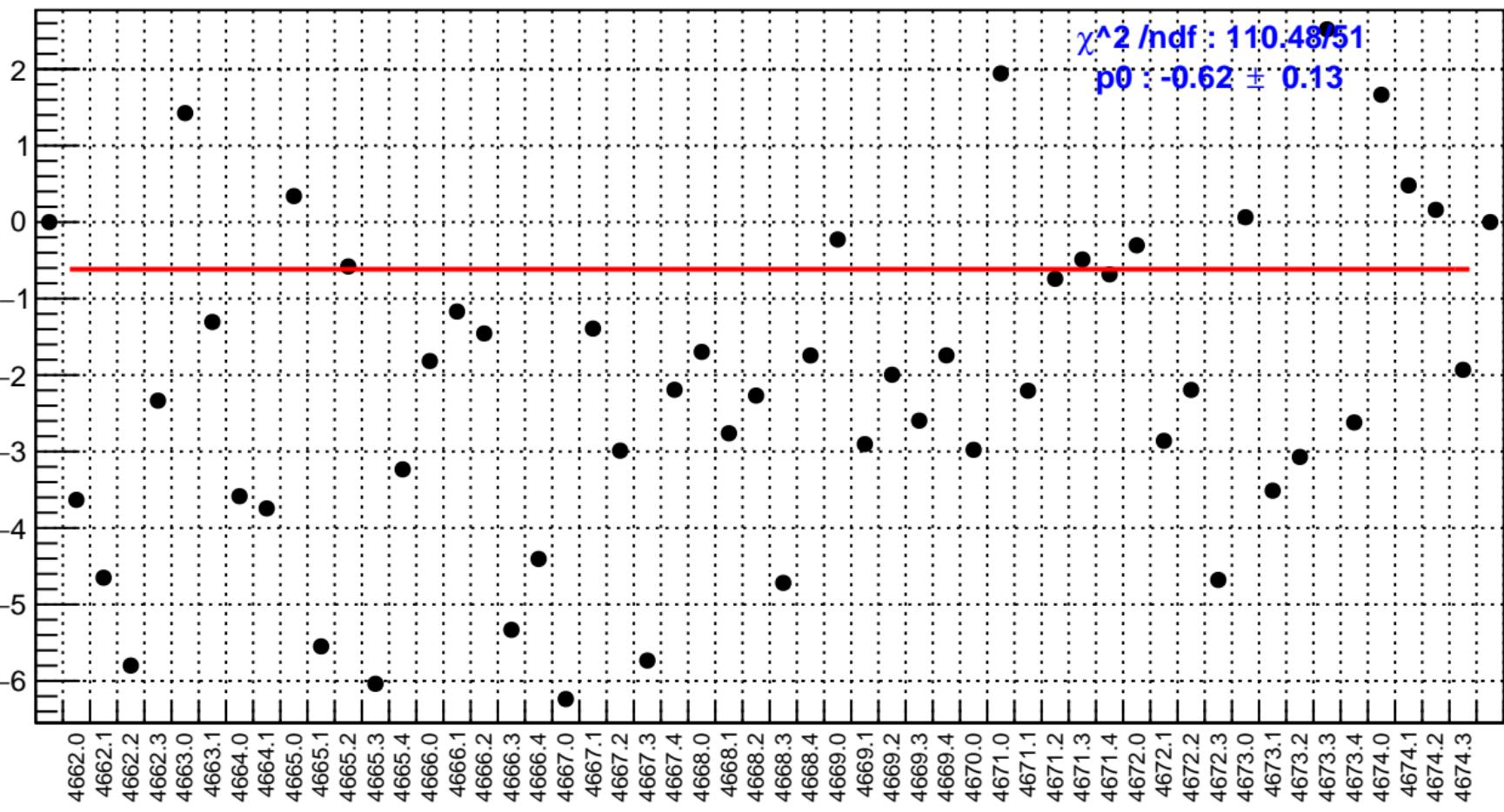


slug73: dsl_bpm4aX/(ppb/nm)

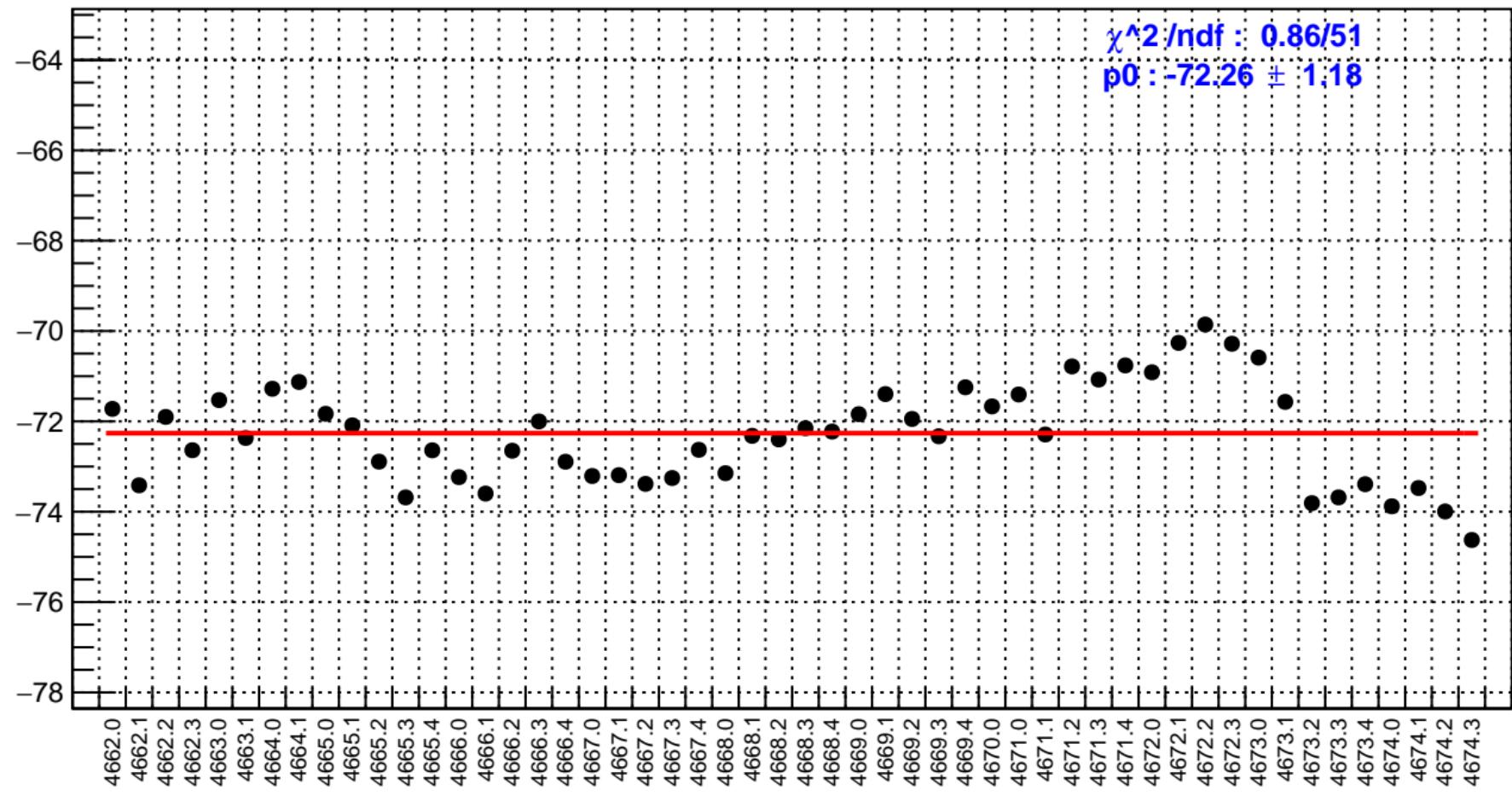
$\chi^2 / \text{ndf} : 17.72 / 51$
 $p_0 : 31.92 \pm 0.78$



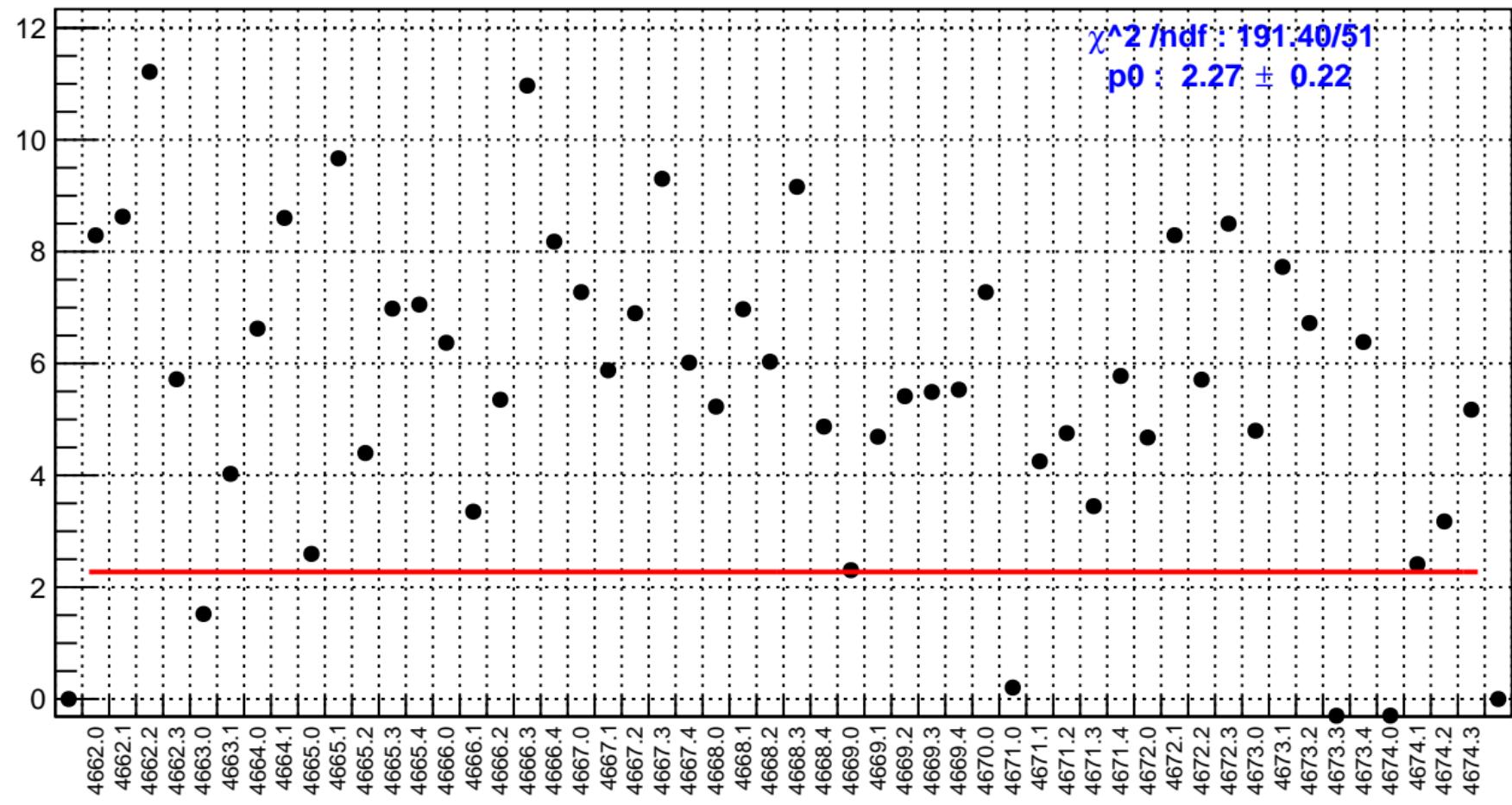
slug73: dsl_bpm4aY/(ppb/nm)



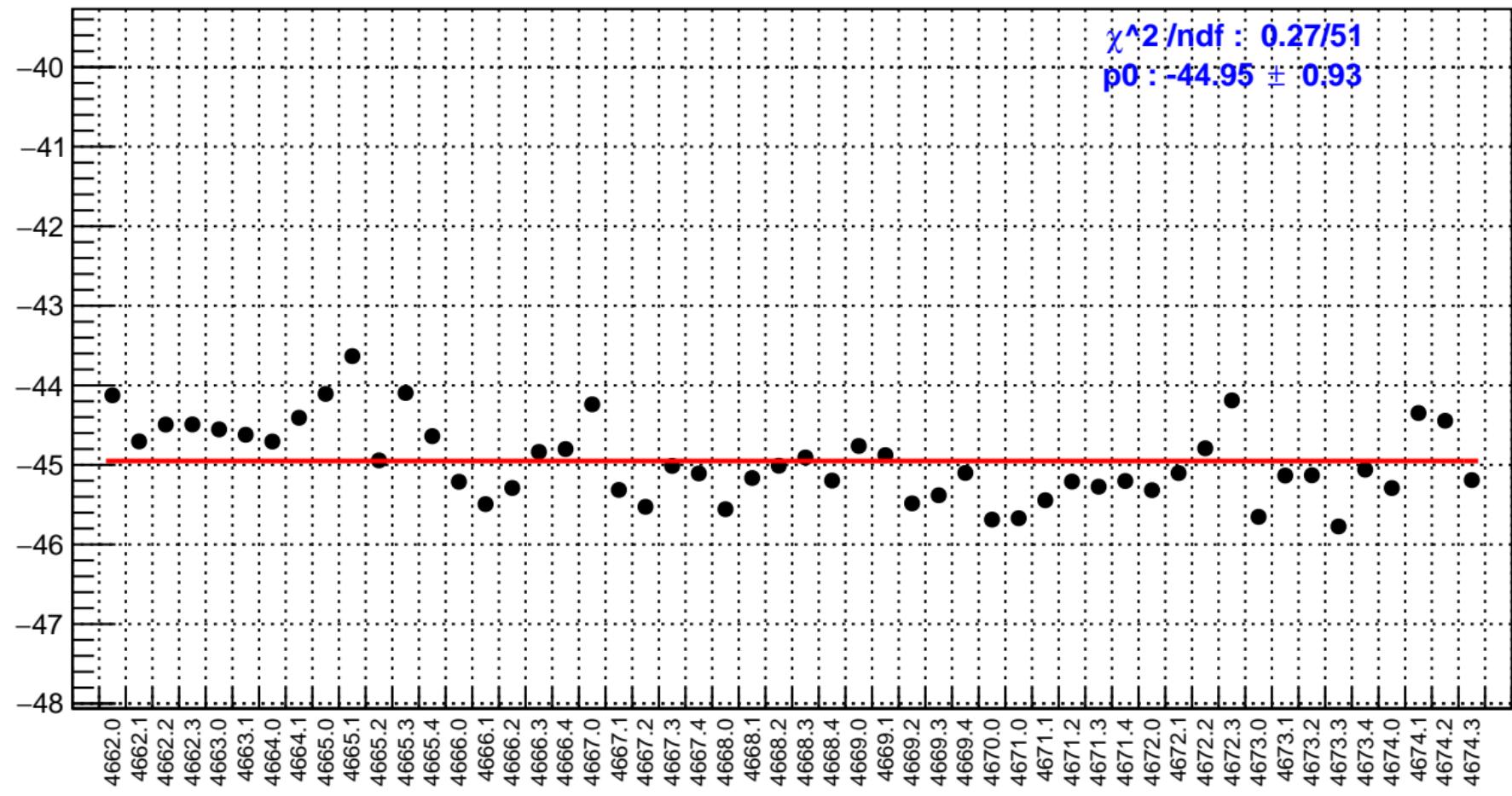
slug73: dsl_bpm4eX/(ppb/nm)



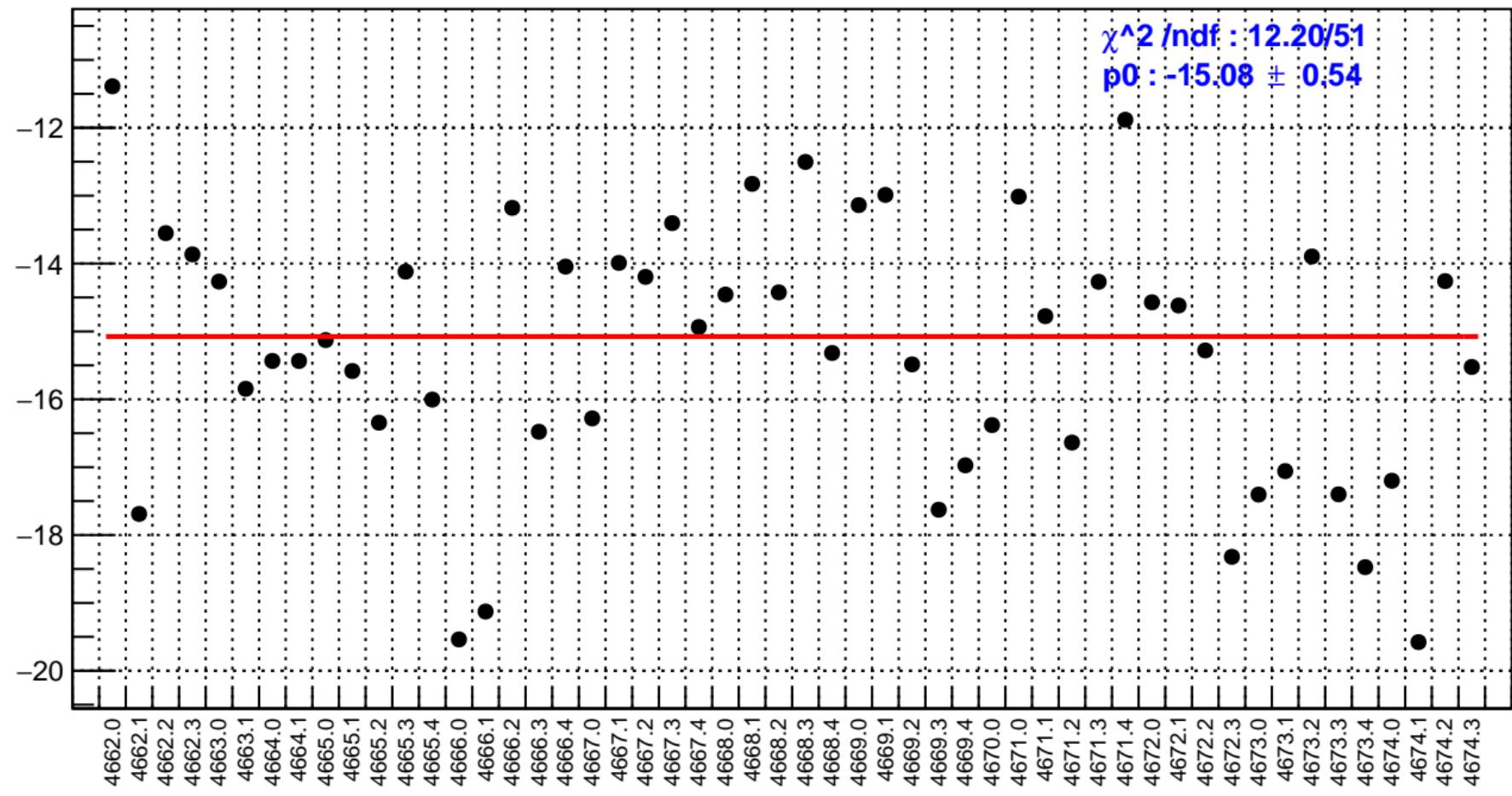
slug73: dsl_bpm4eY/(ppb/nm)



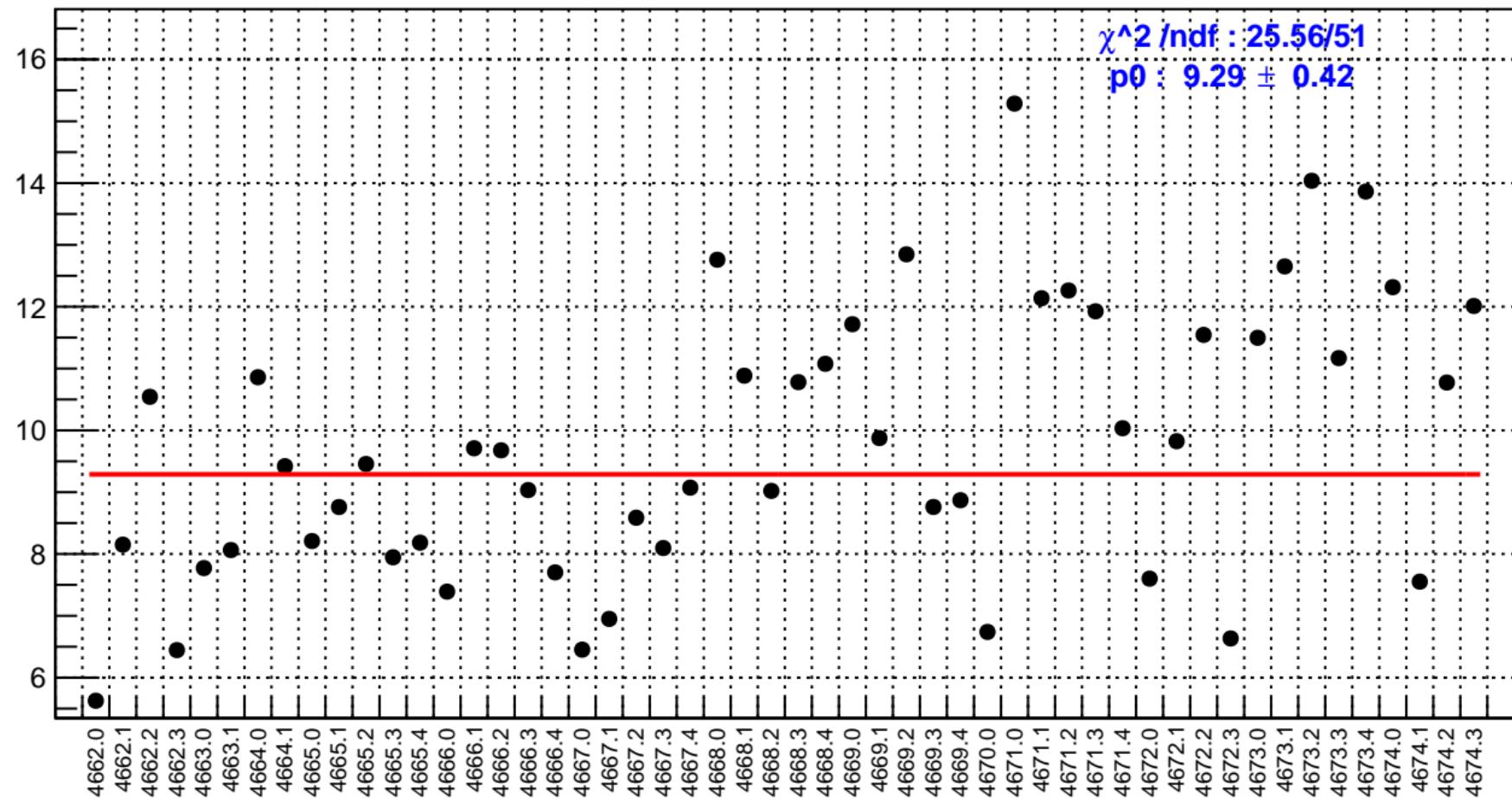
slug73: dsl_bpm12X/(ppb/nm)



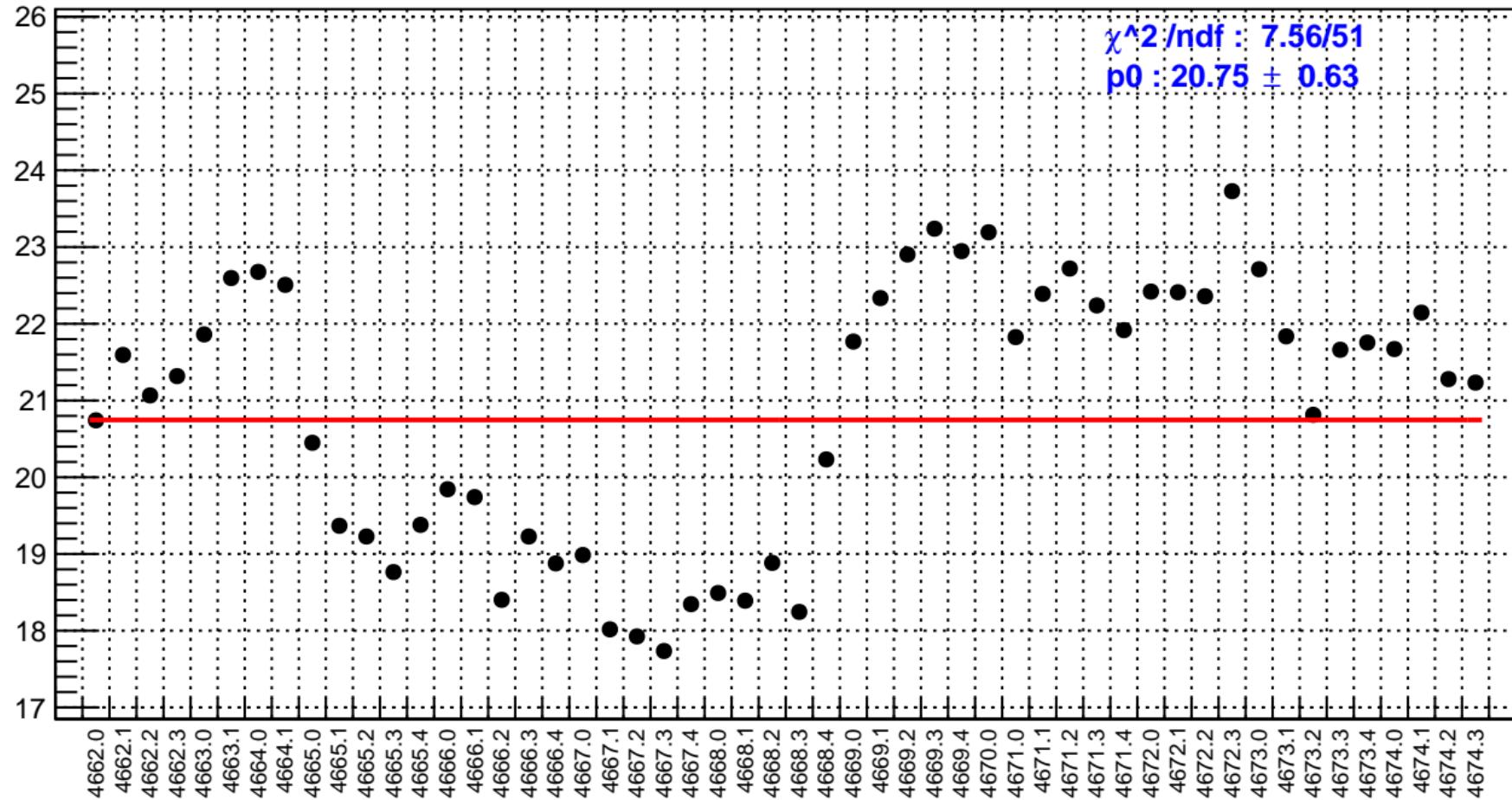
slug73: dsr_bpm4aX/(ppb/nm)



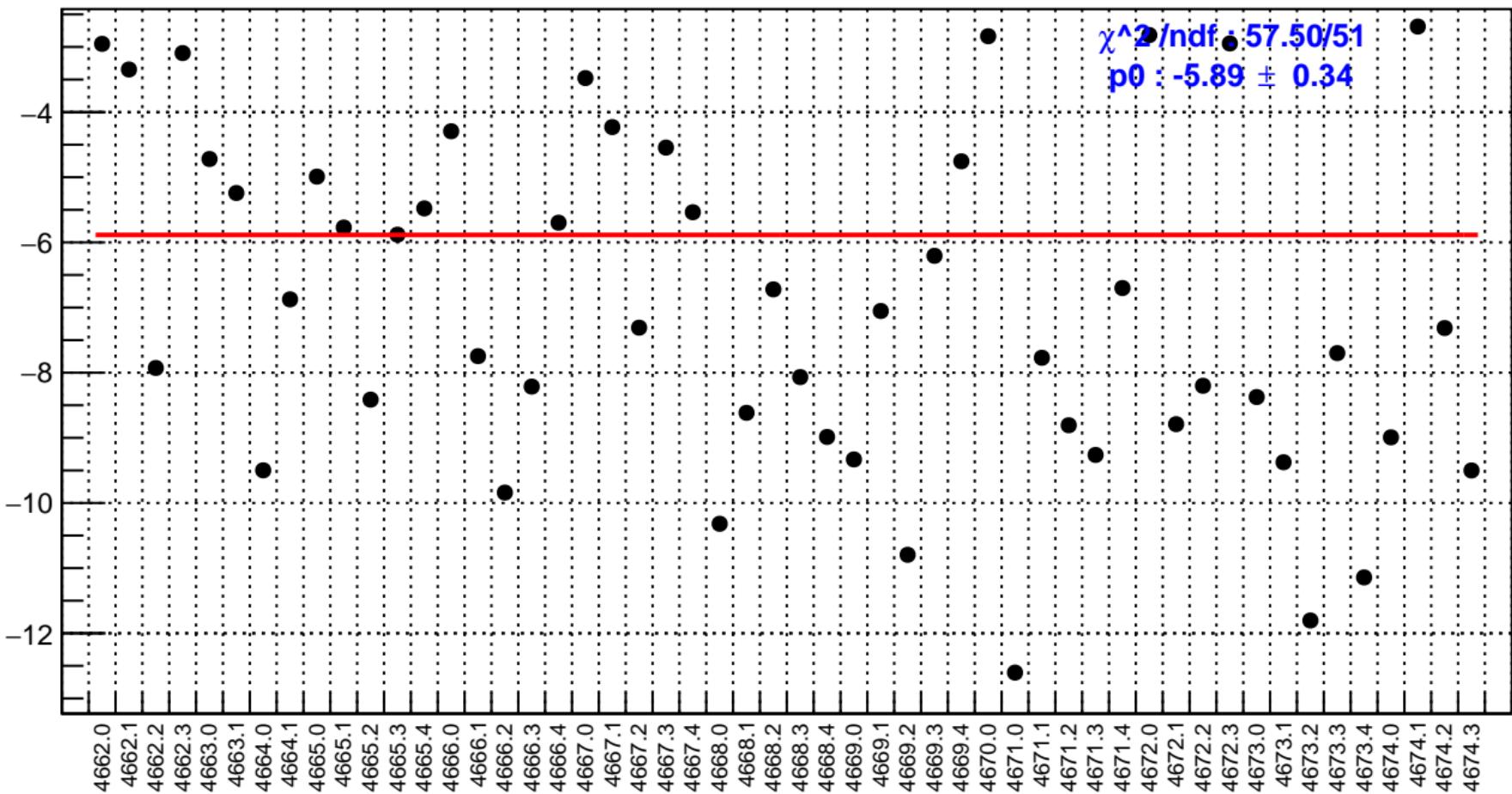
slug73: dsr_bpm4aY/(ppb/nm)



slug73: dsr_bpm4eX/(ppb/nm)

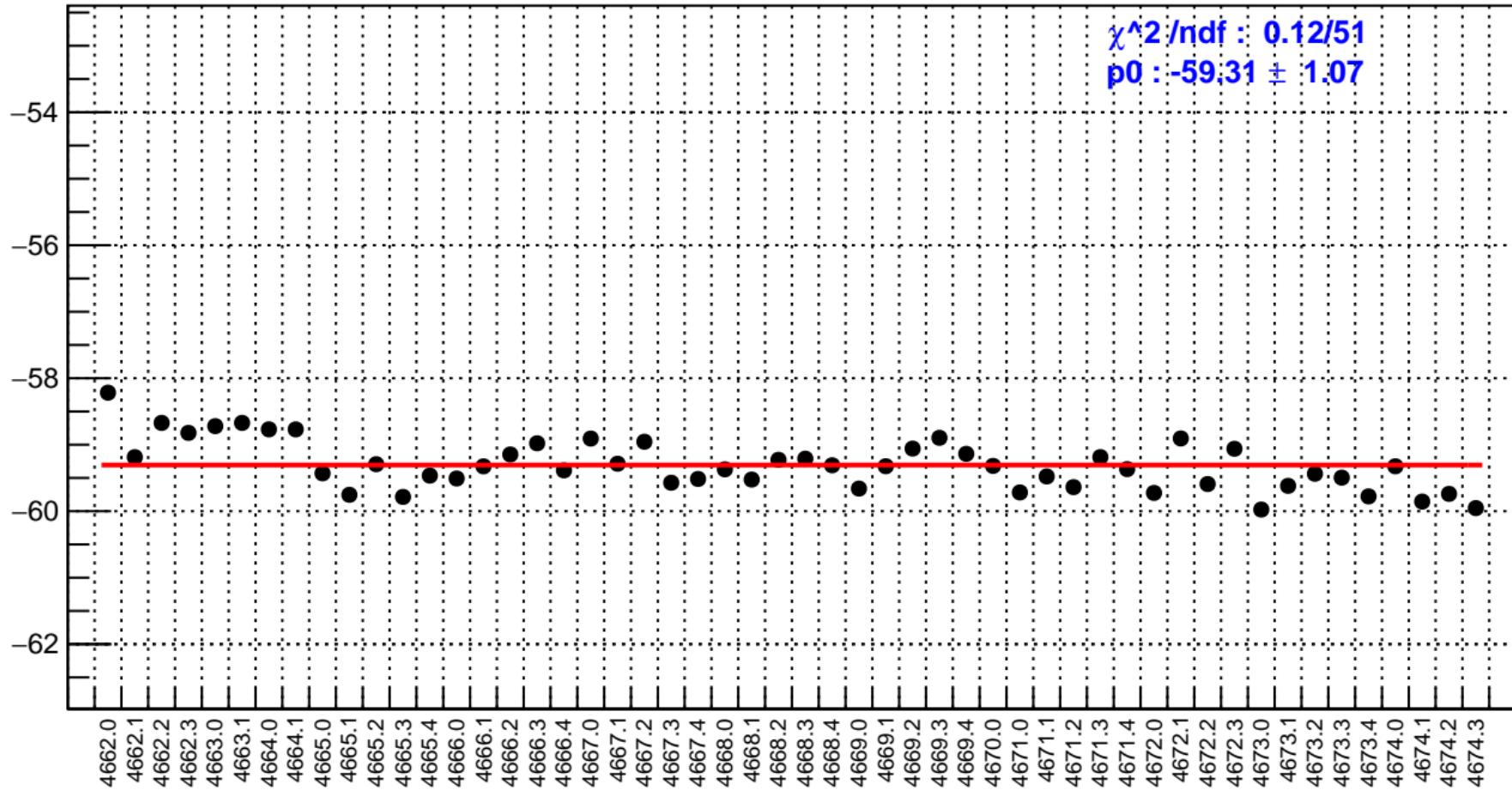


slug73: dsr_bpm4eY/(ppb/nm)

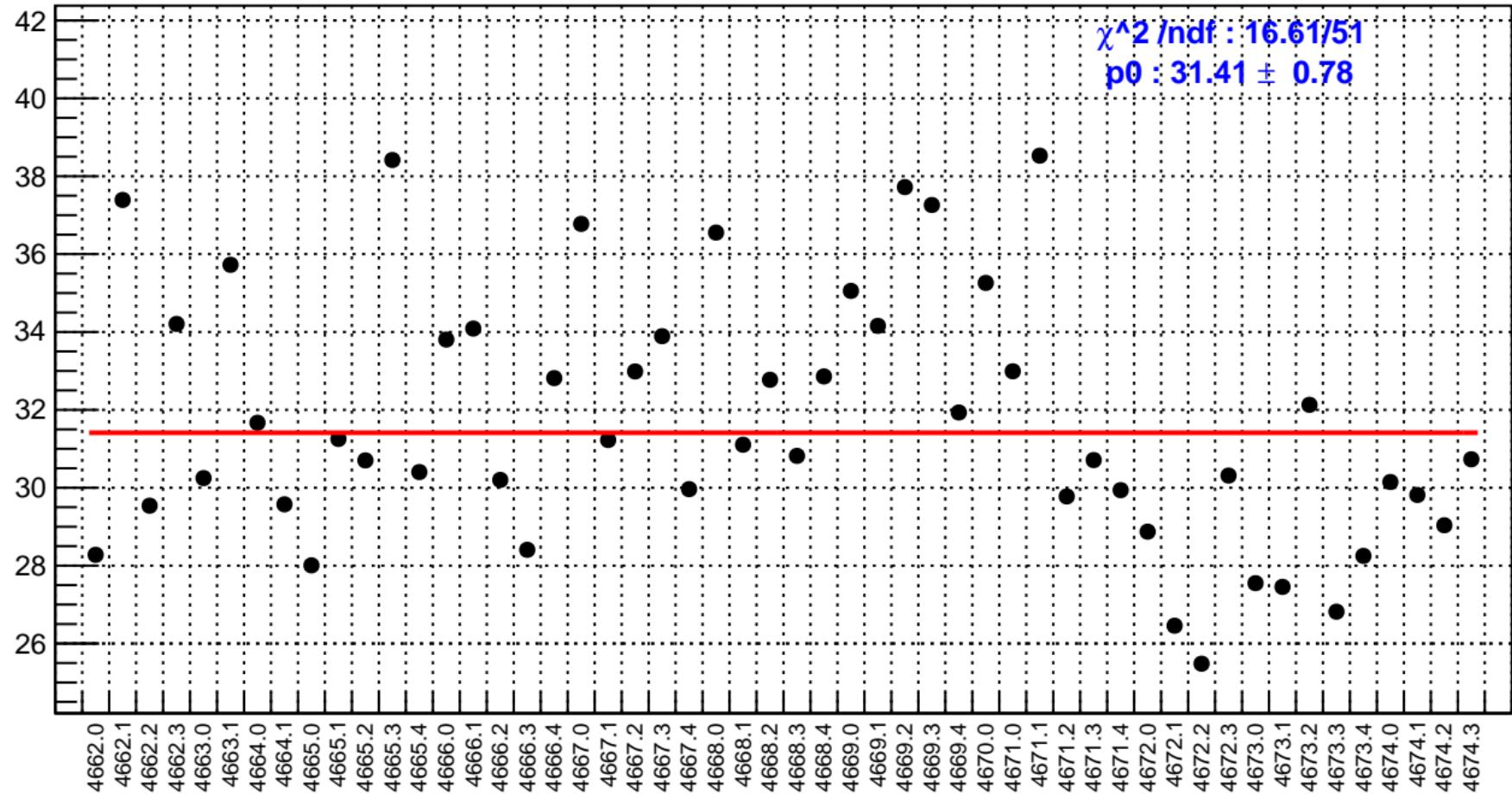


slug73: dsr_bpm12X/(ppb/nm)

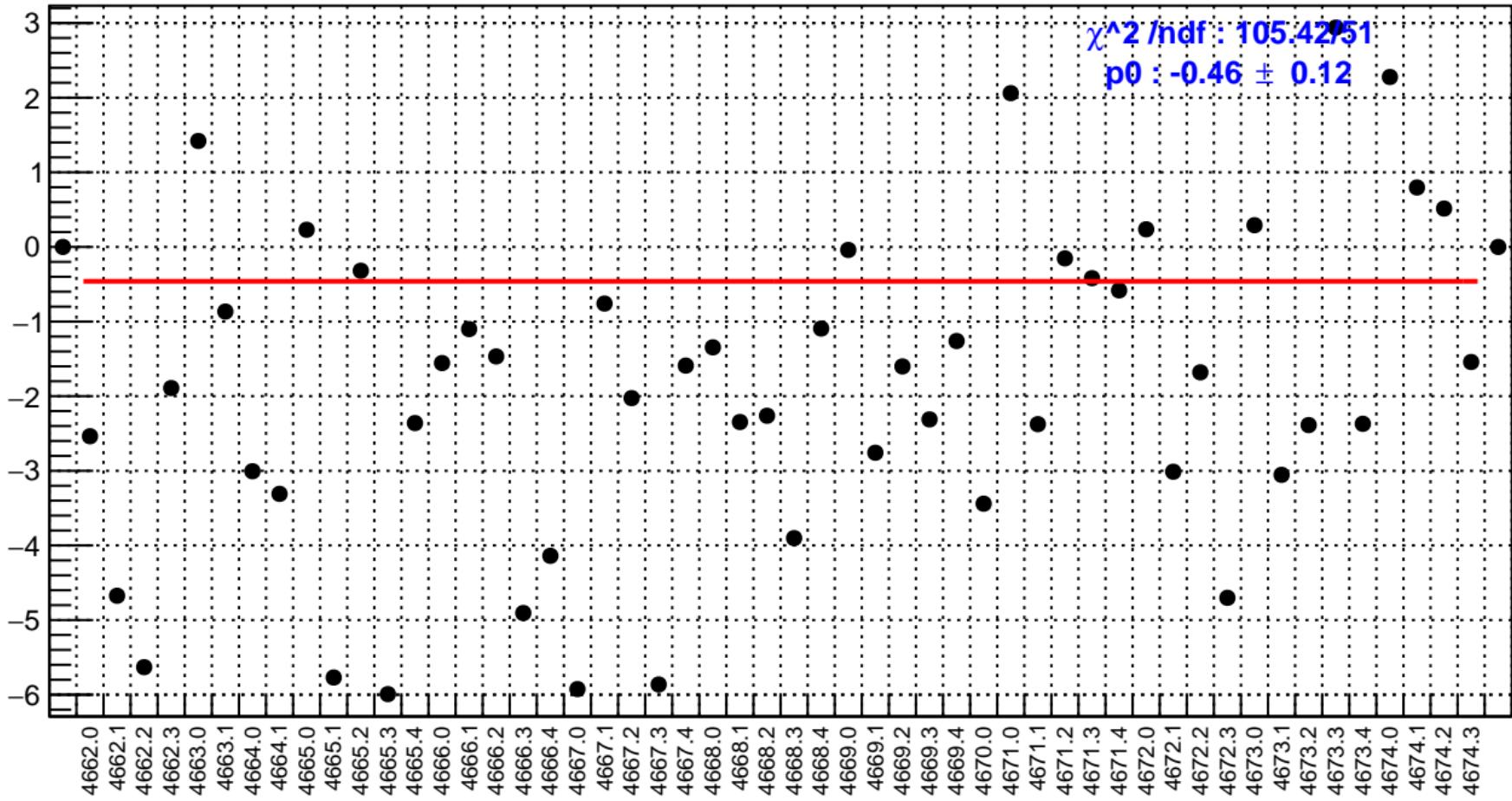
$\chi^2/\text{ndf} : 0.12/51$
 $p_0 : -59.31 \pm 1.07$



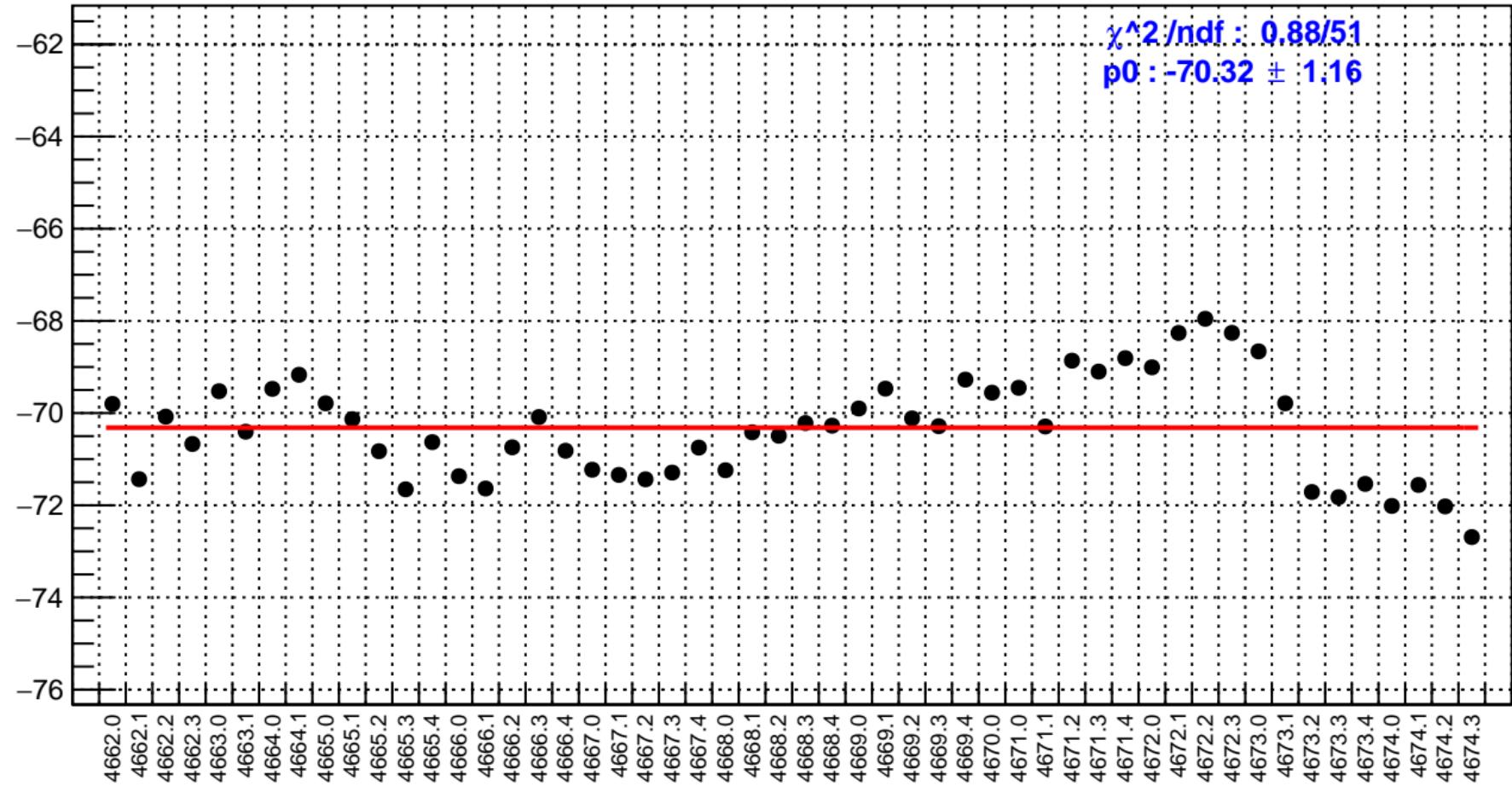
slug73: left_avg_bpm4aX/(ppb/nm)



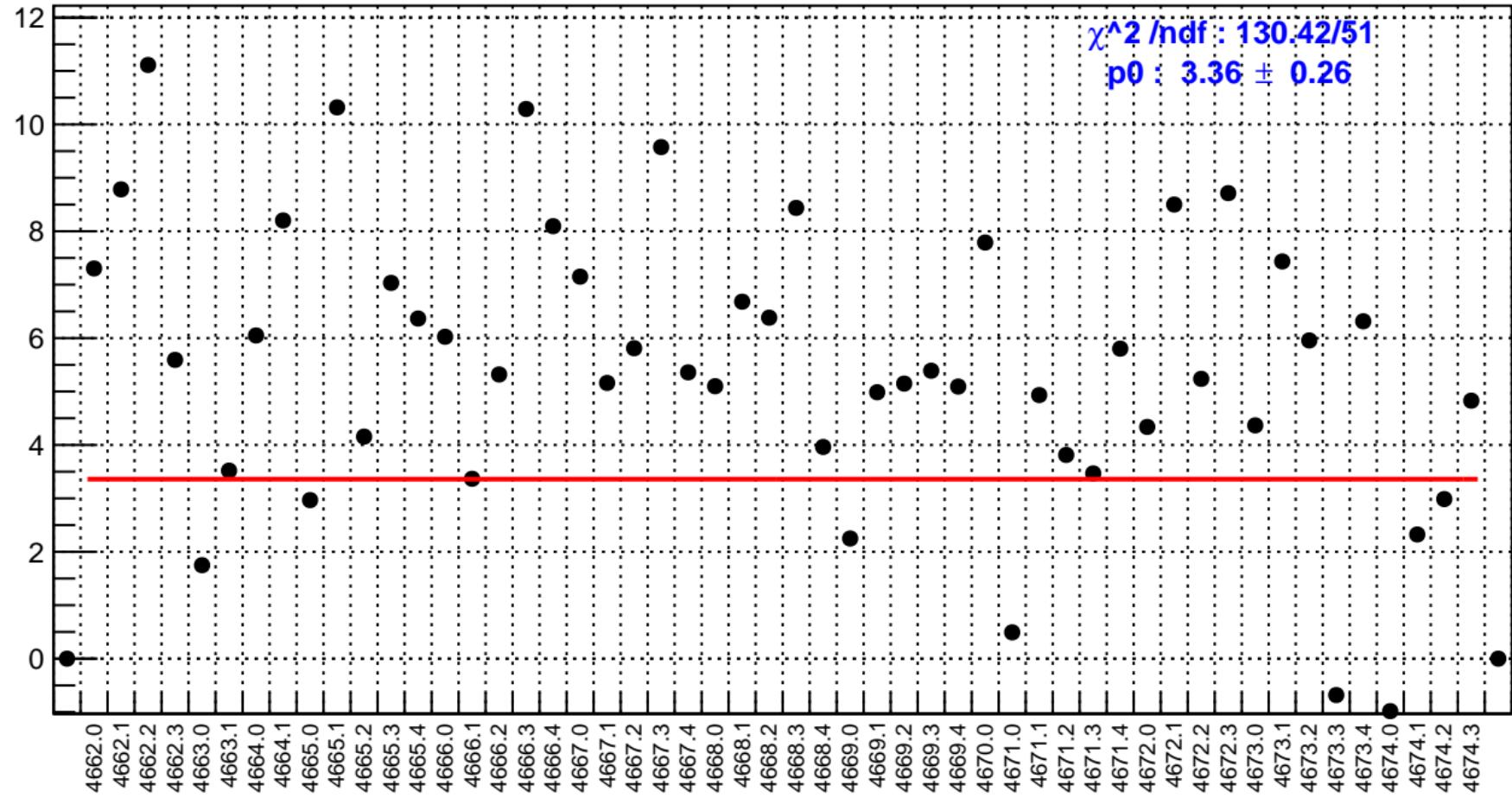
slug73: left_avg_bpm4aY/(ppb/nm)



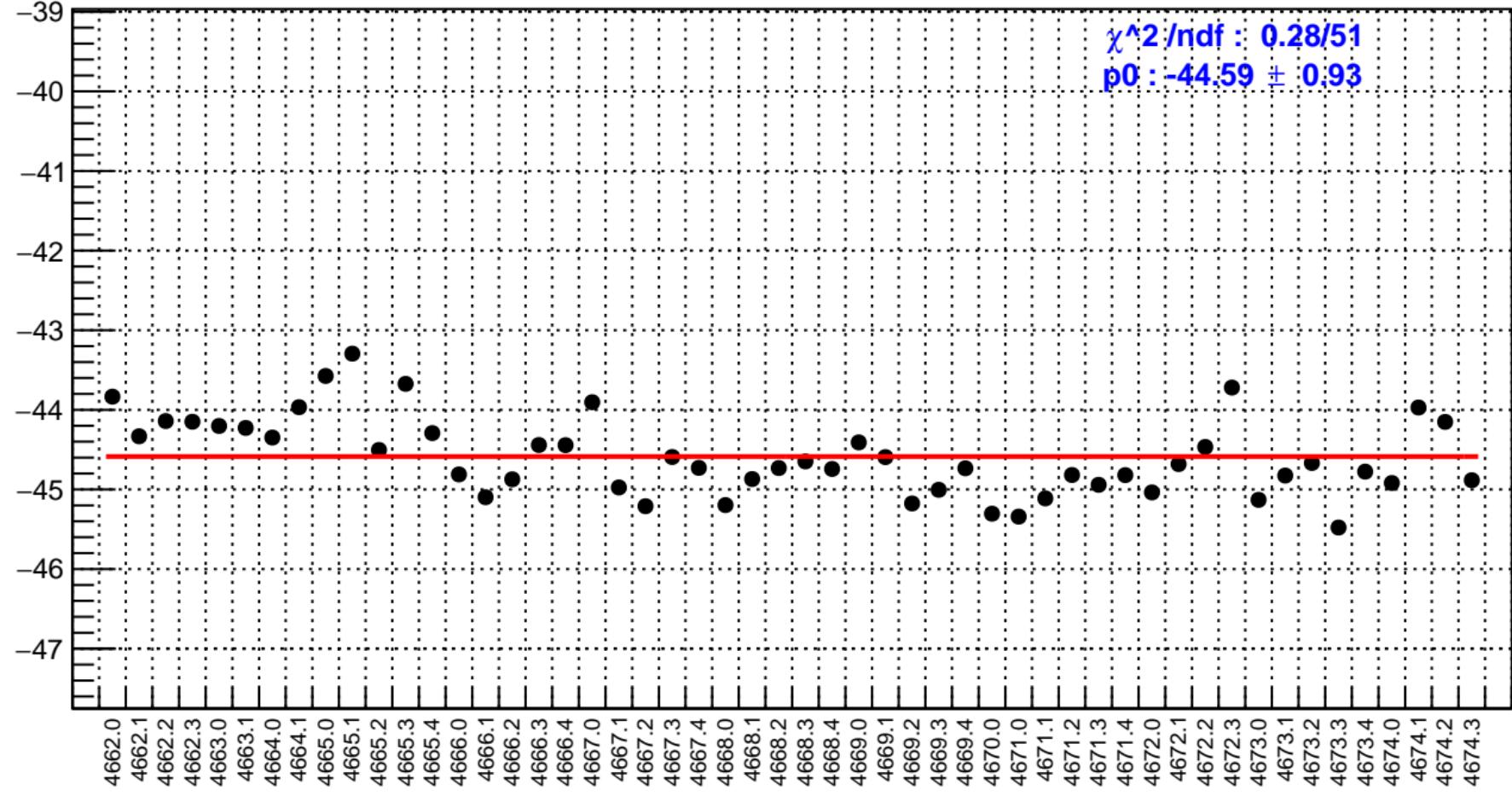
slug73: left_avg_bpm4eX(ppb/nm)



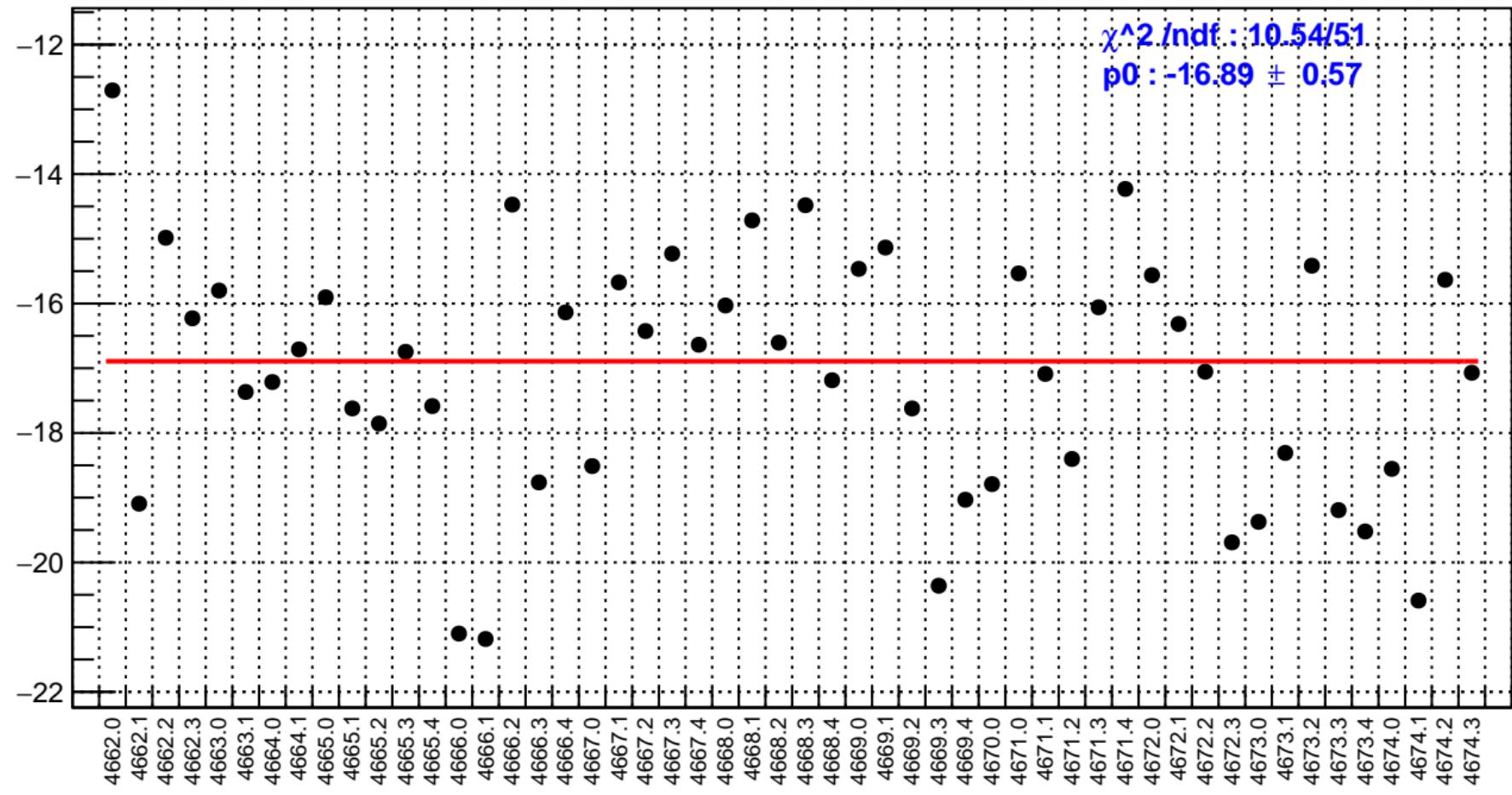
slug73: left_avg_bpm4eY/(ppb/nm)



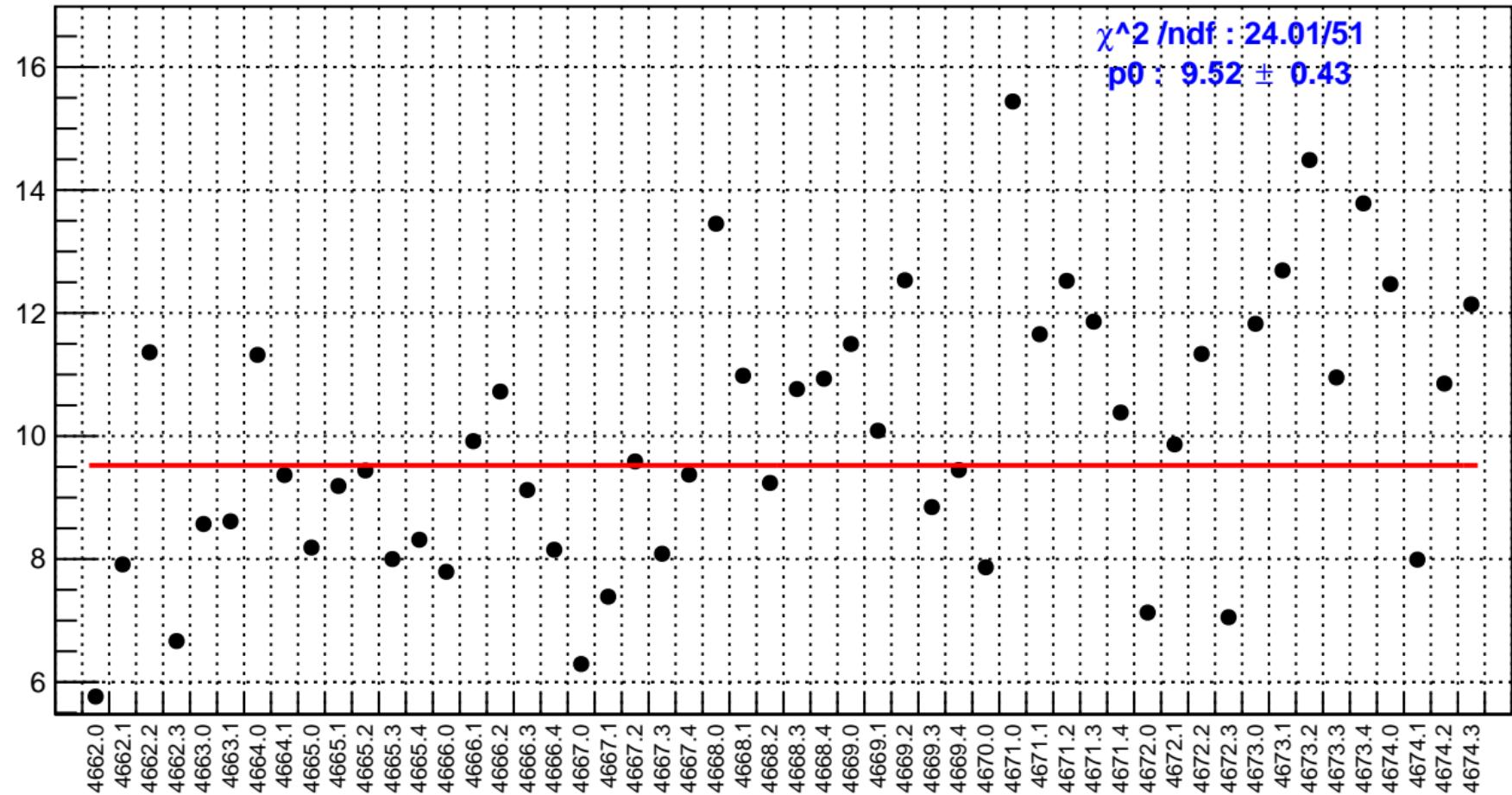
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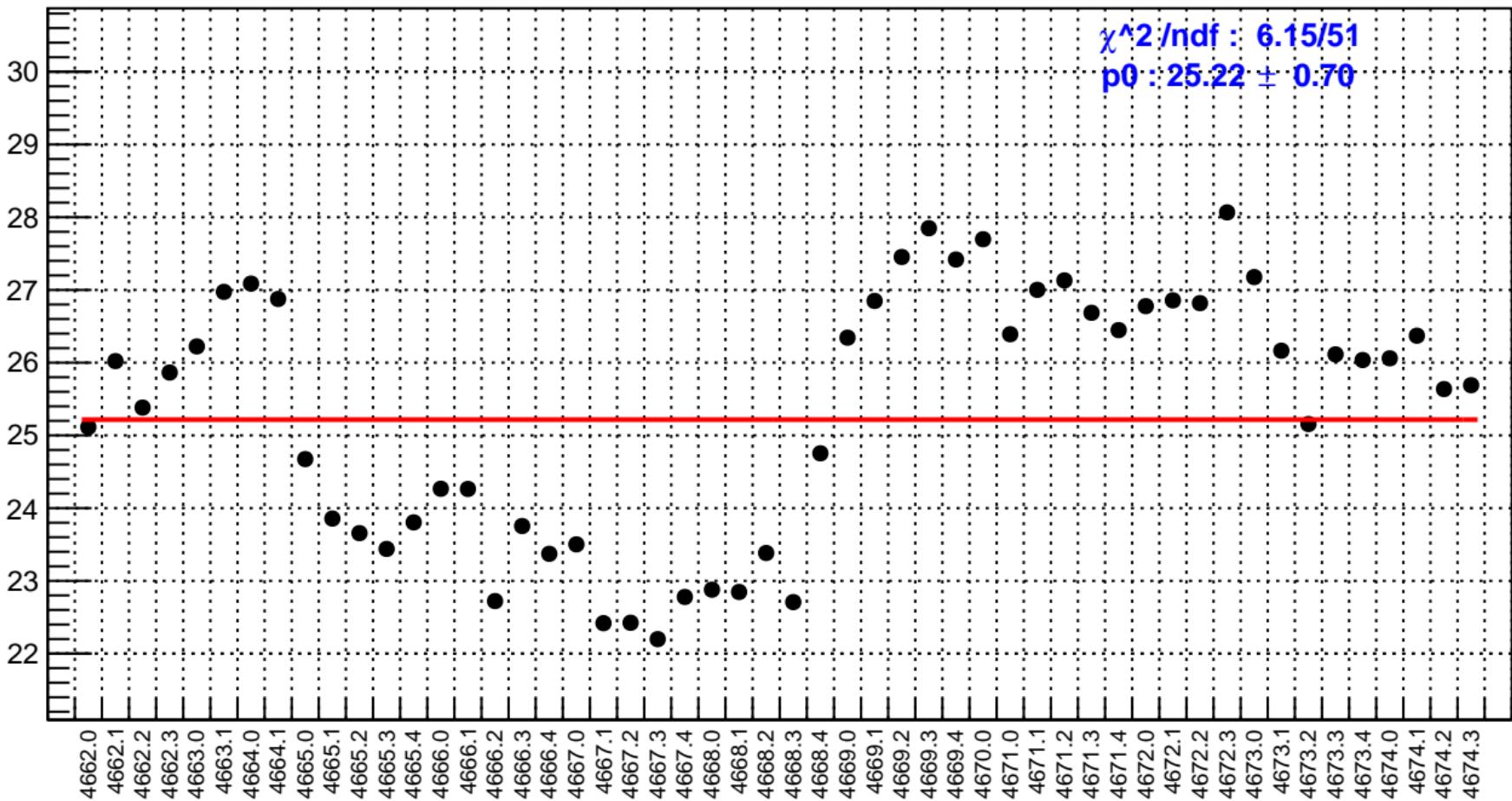
slug73: right_avg_bpm4aX/(ppb/nm)



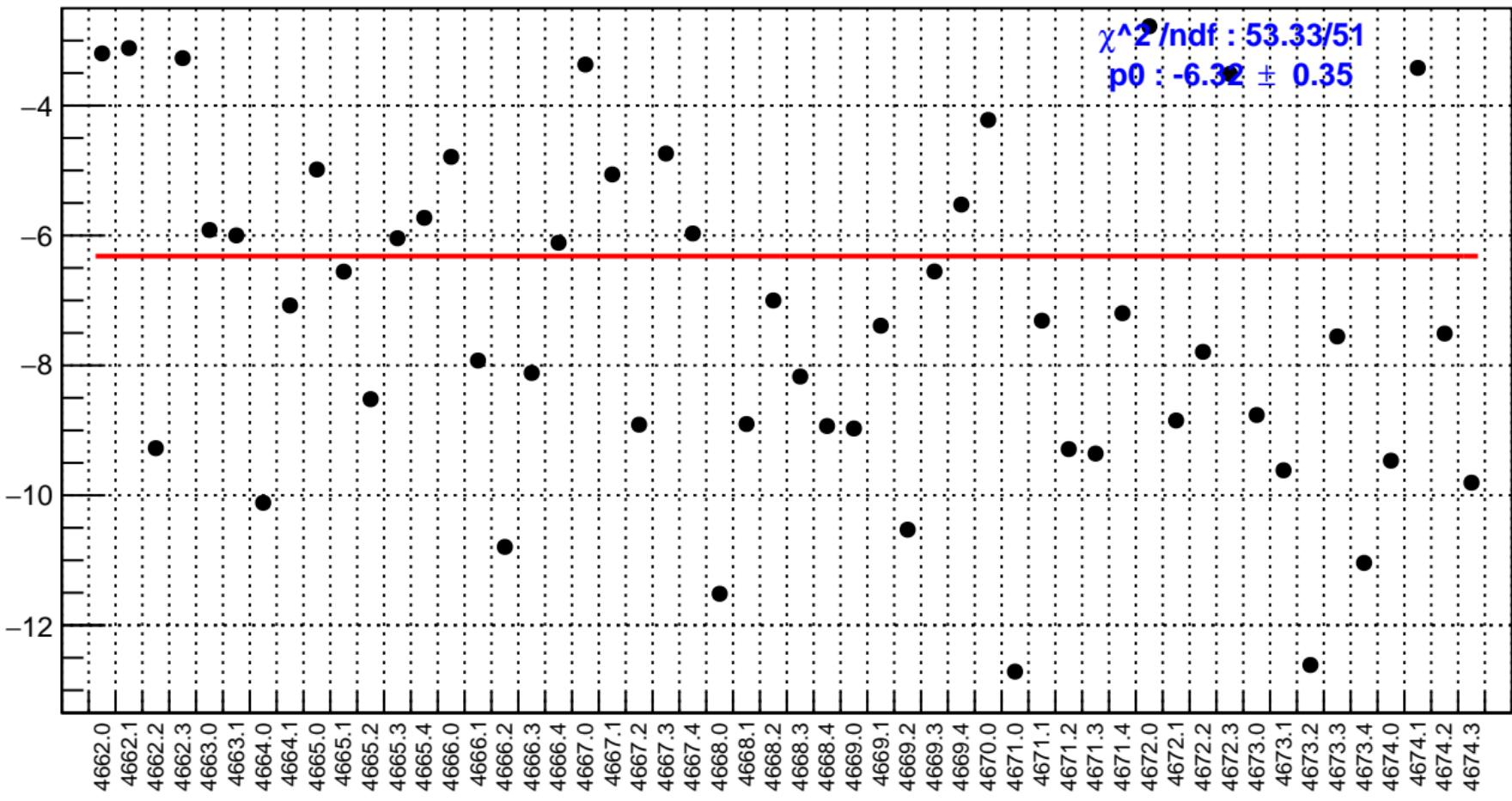
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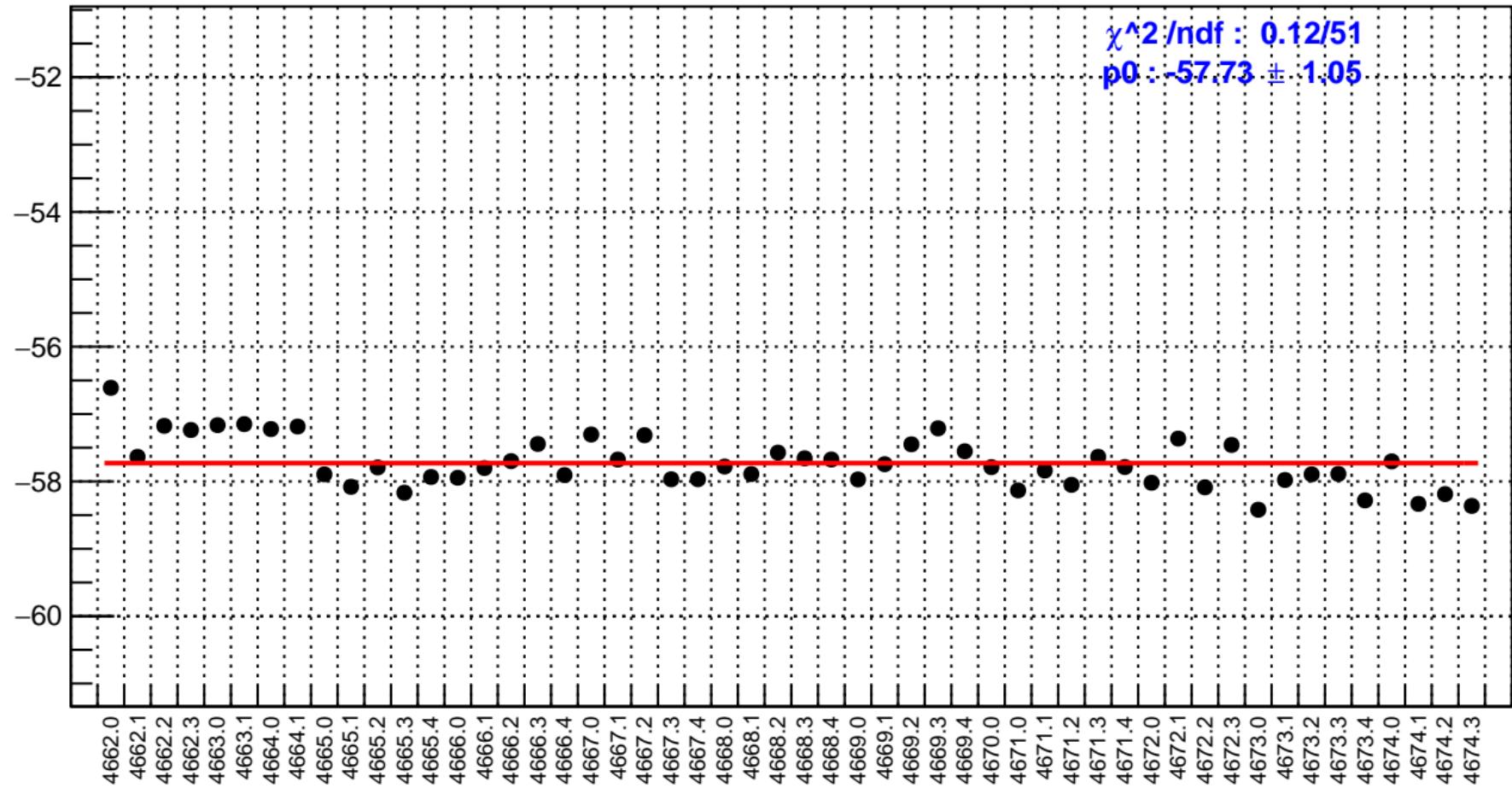
slug73: right_avg_bpm4eX/(ppb/nm)



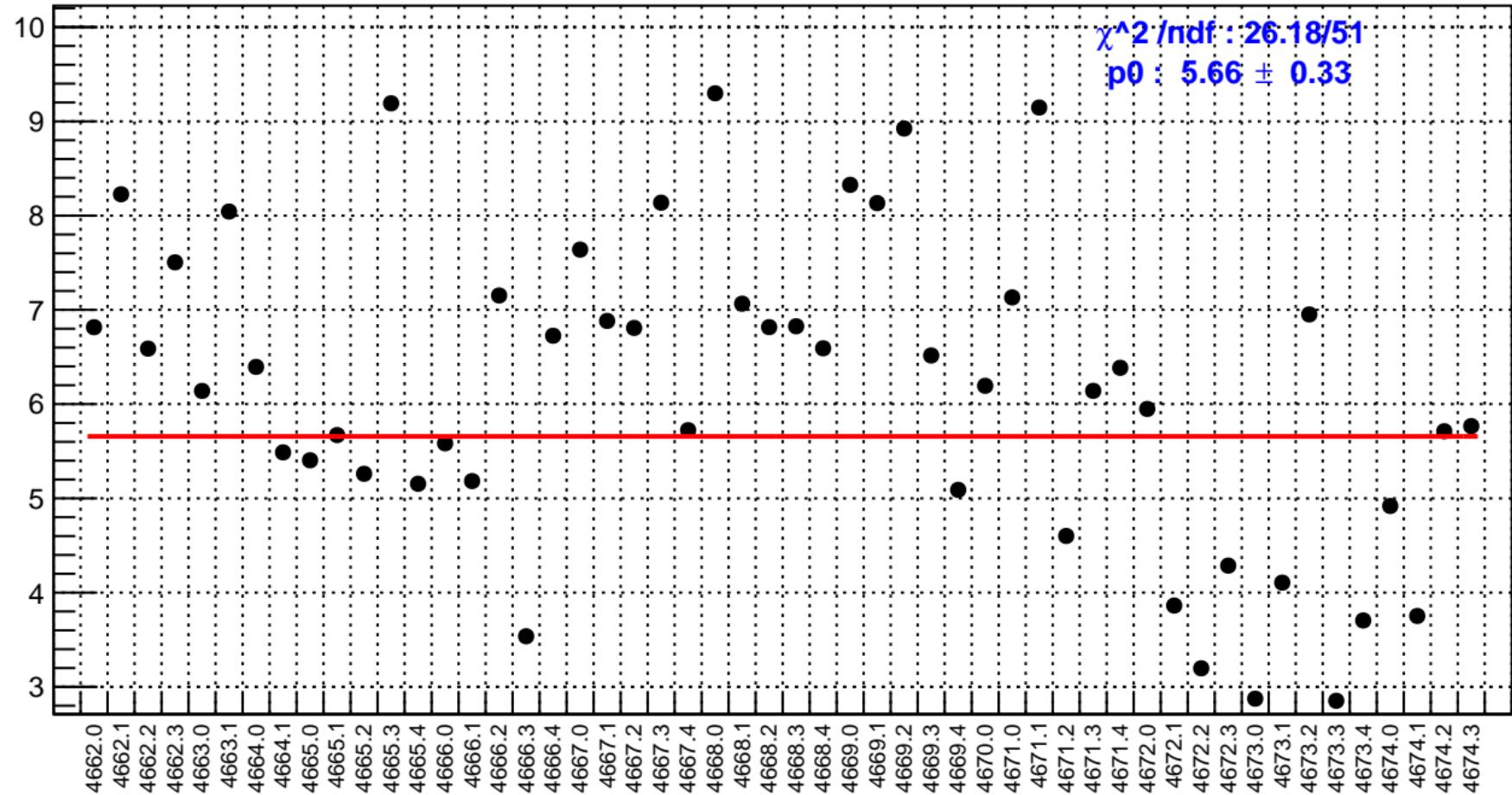
slug73: right_avg_bpm4eY/(ppb/nm)



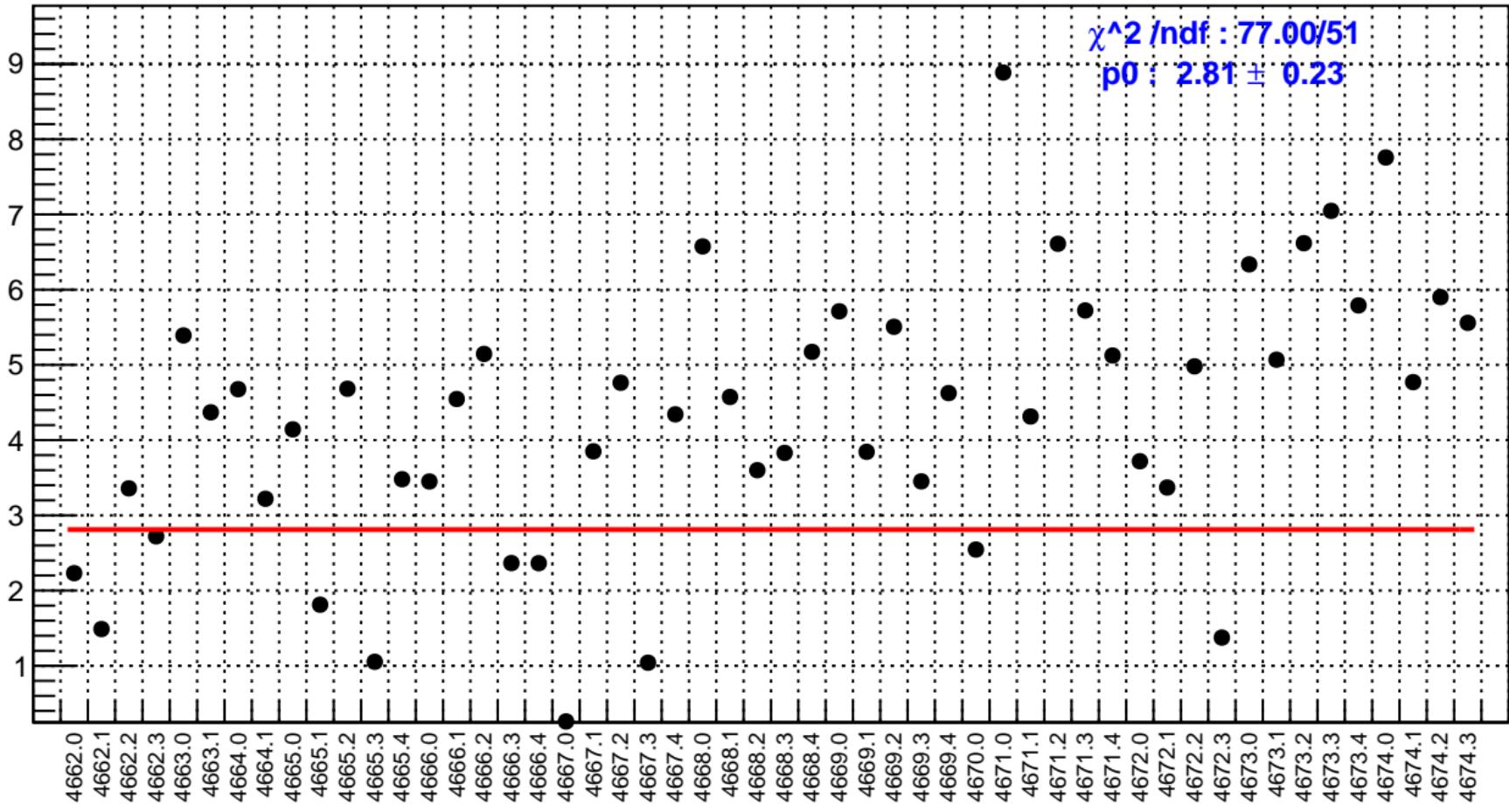
slug73: right_avg_bpm12X/(ppb/nm)



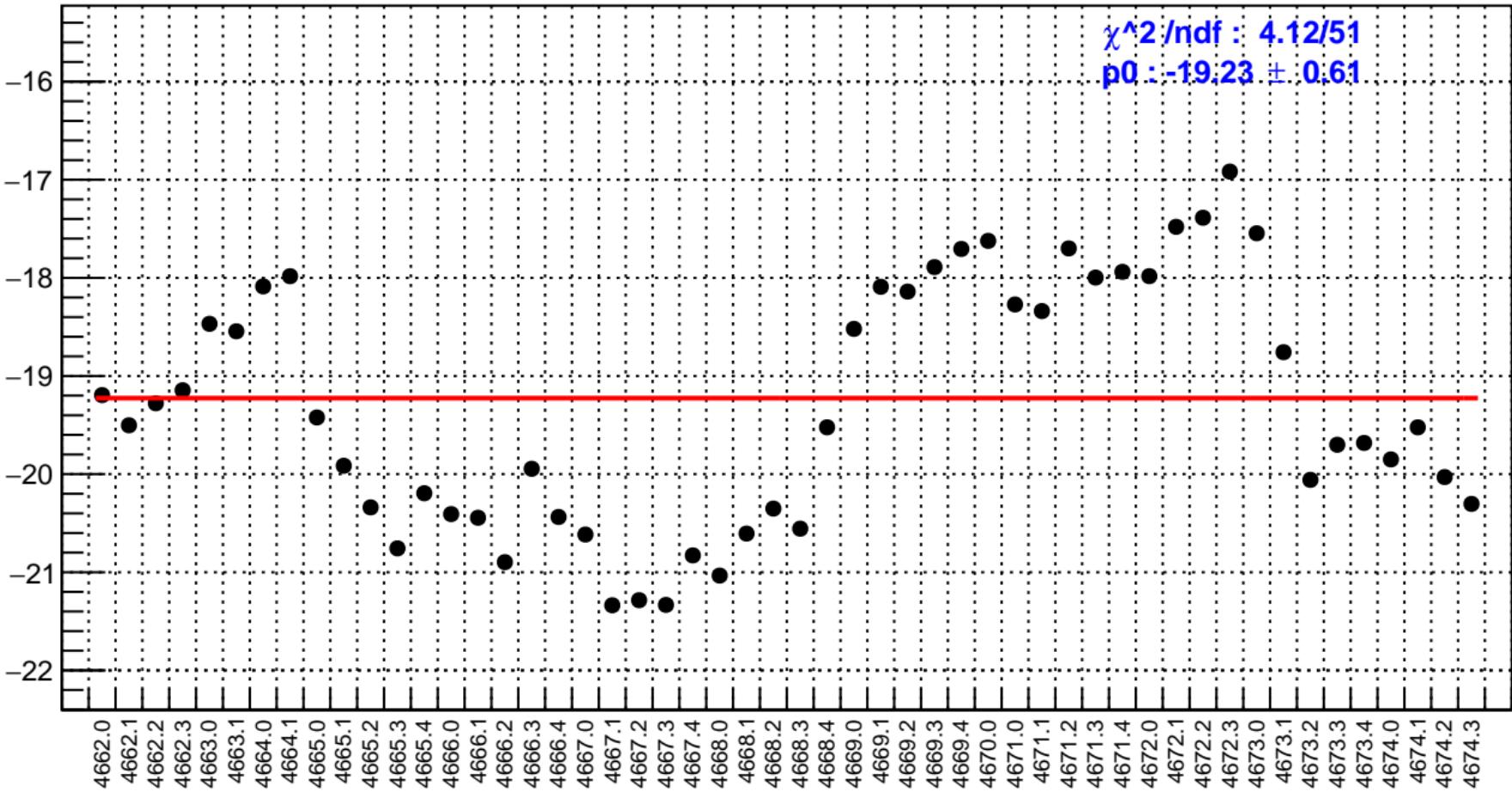
slug73: us_avg_bpm4aX/(ppb/nm)



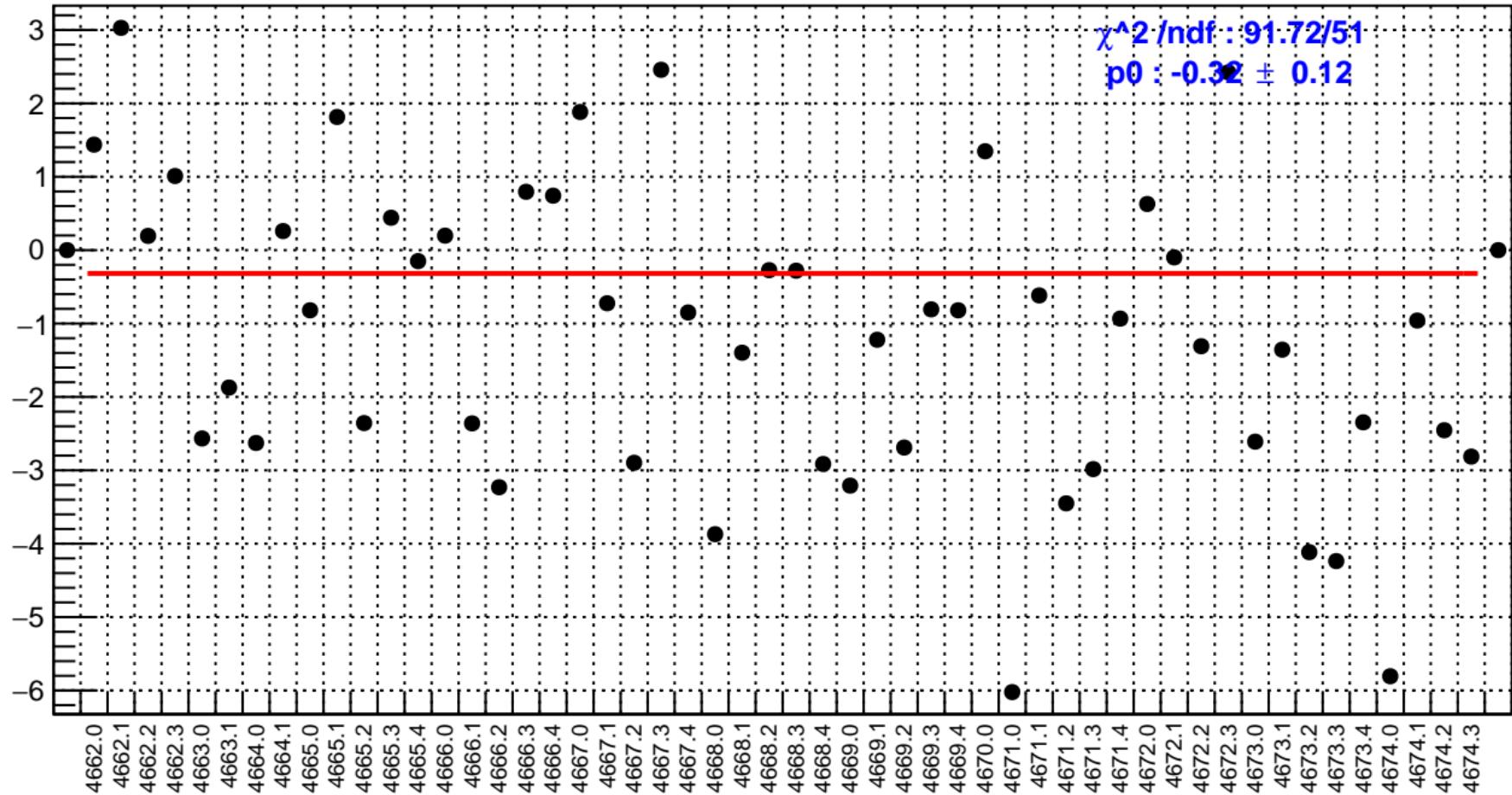
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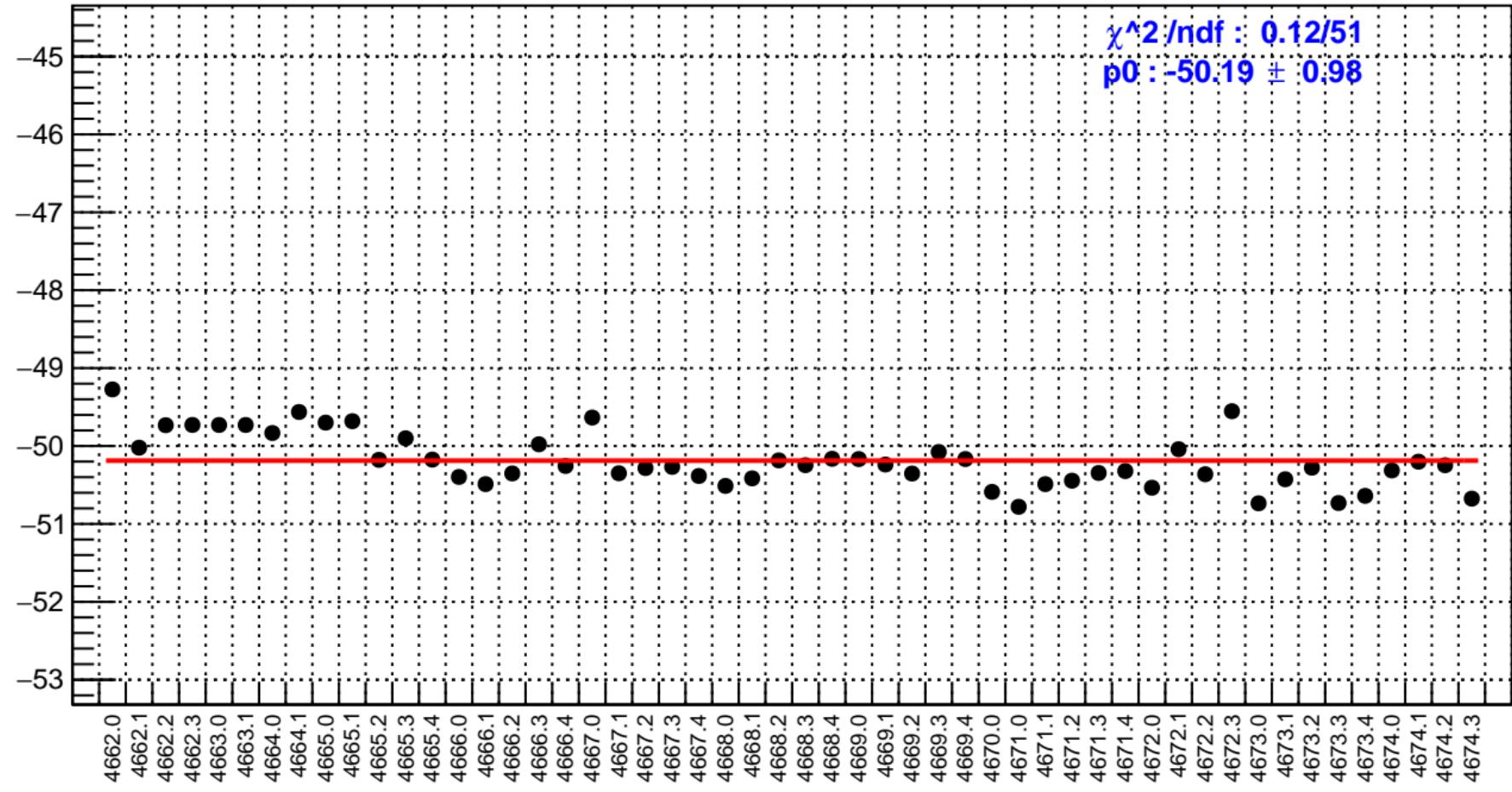
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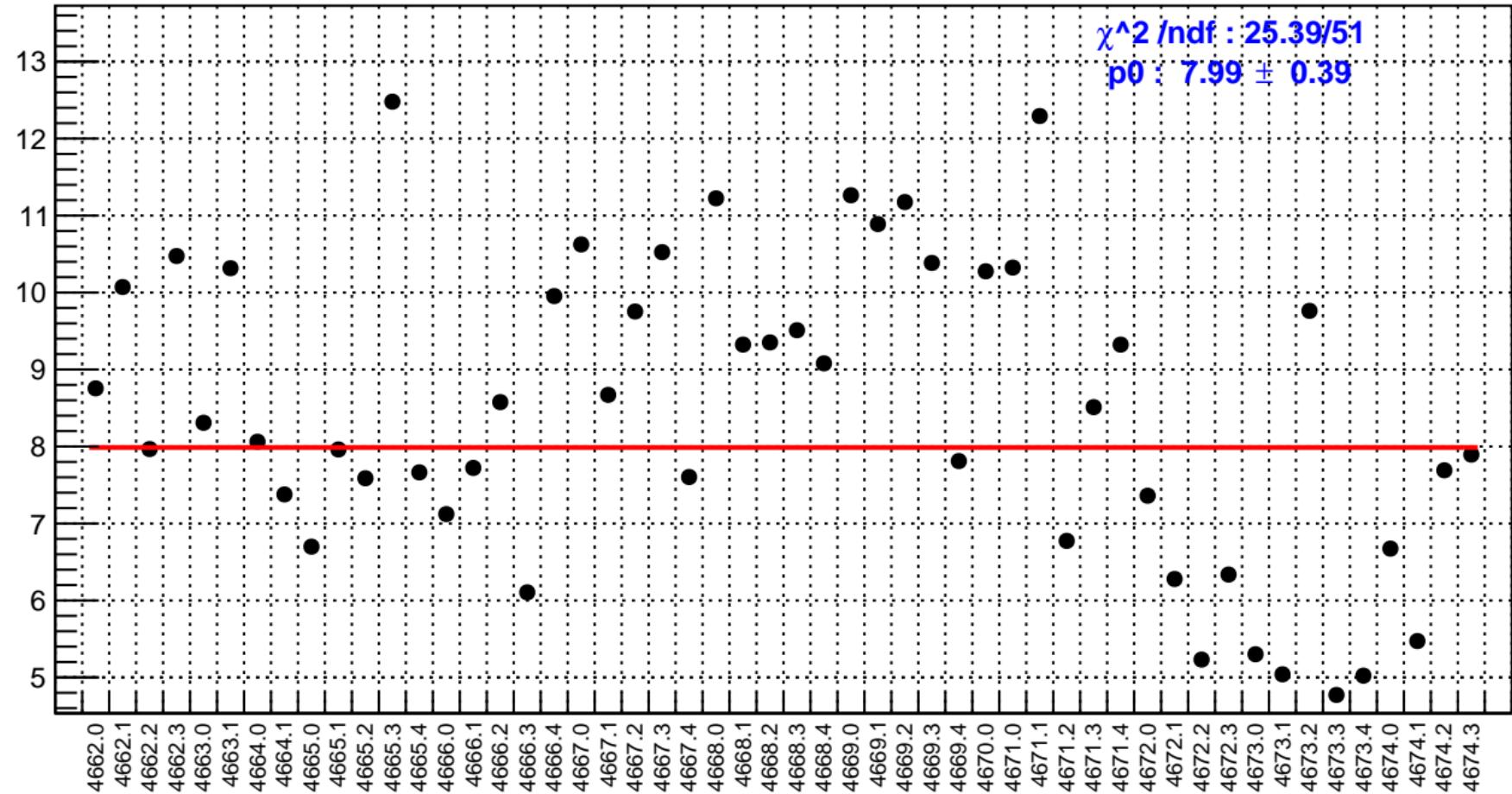
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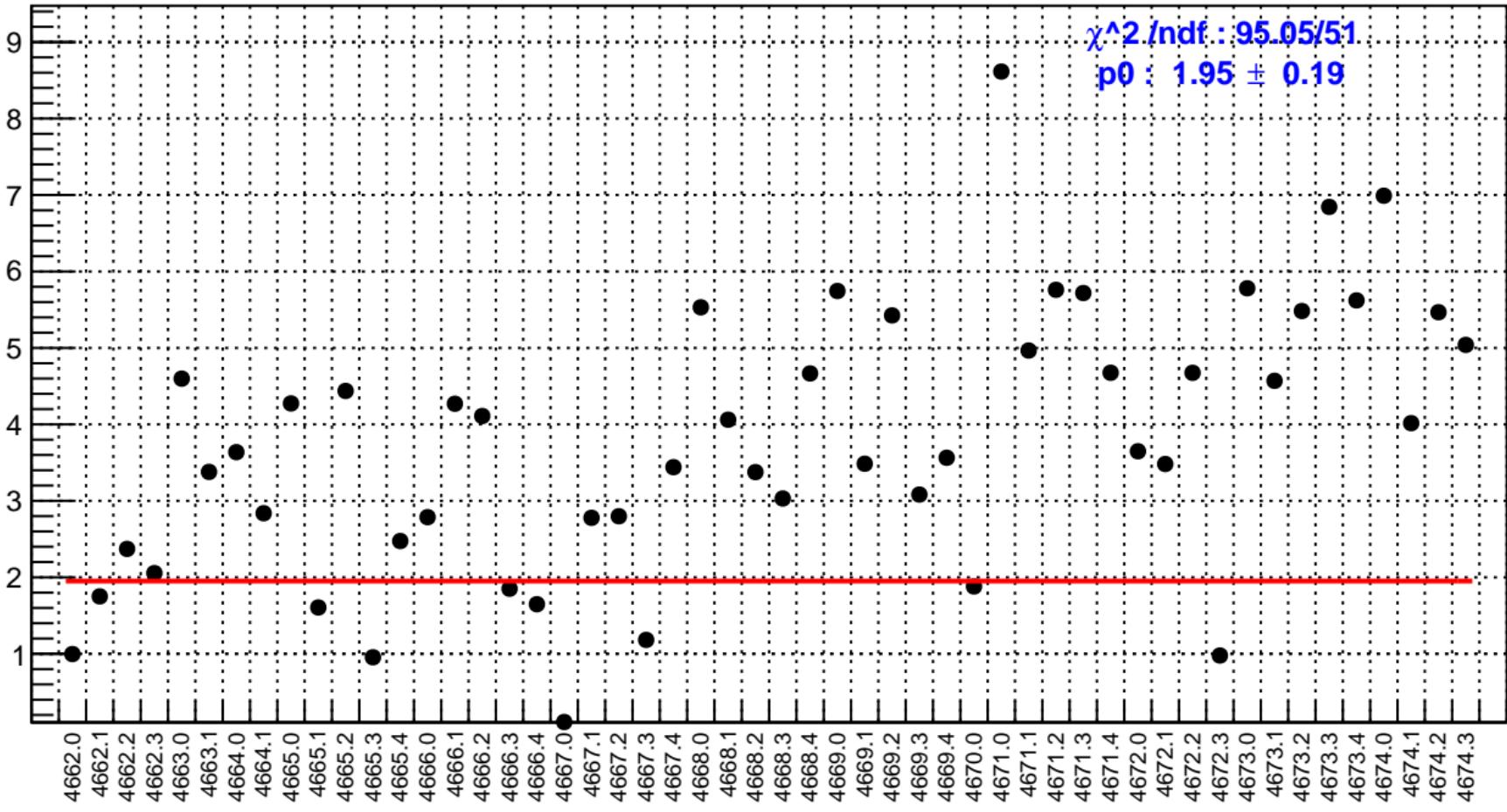
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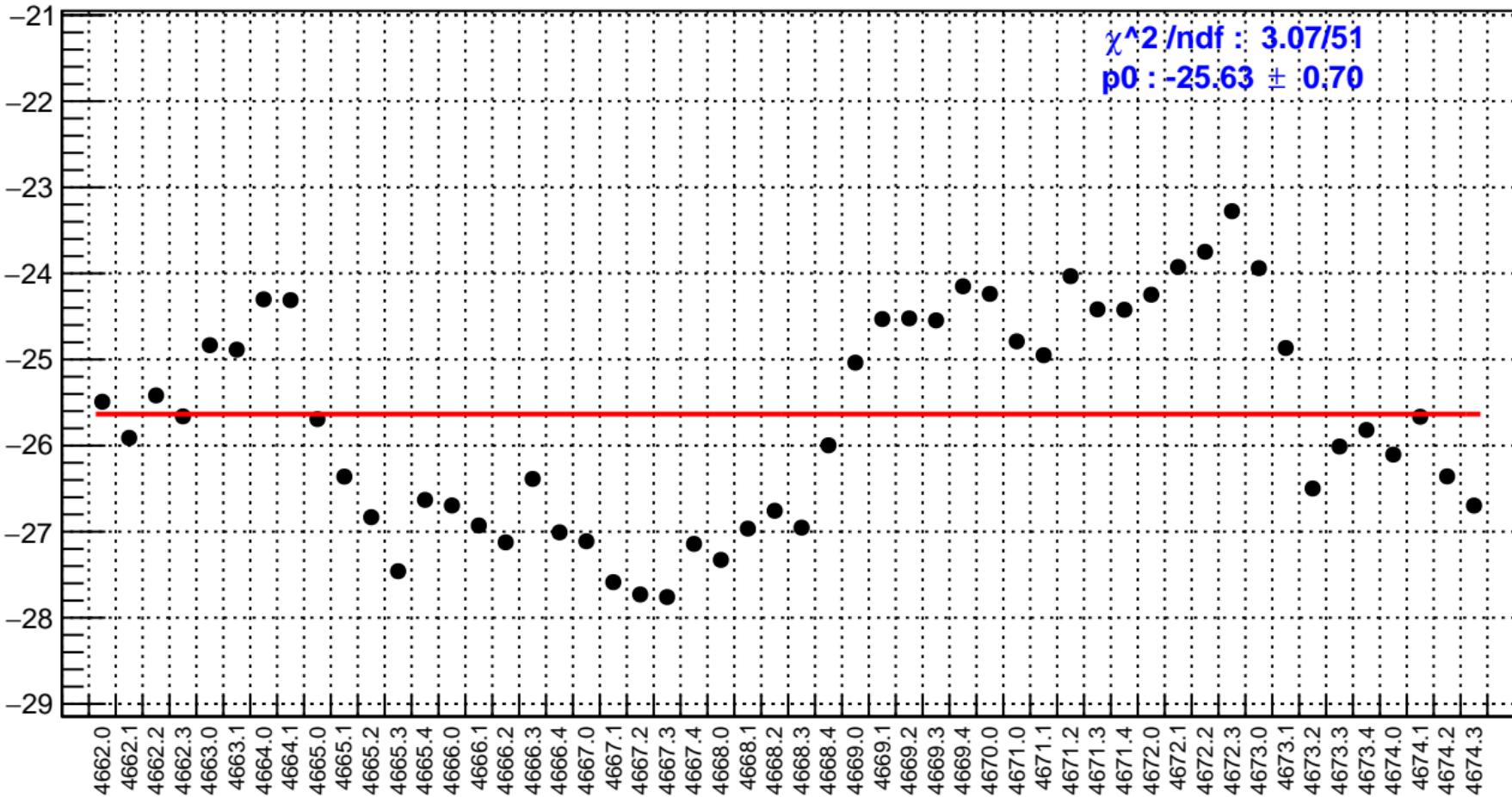
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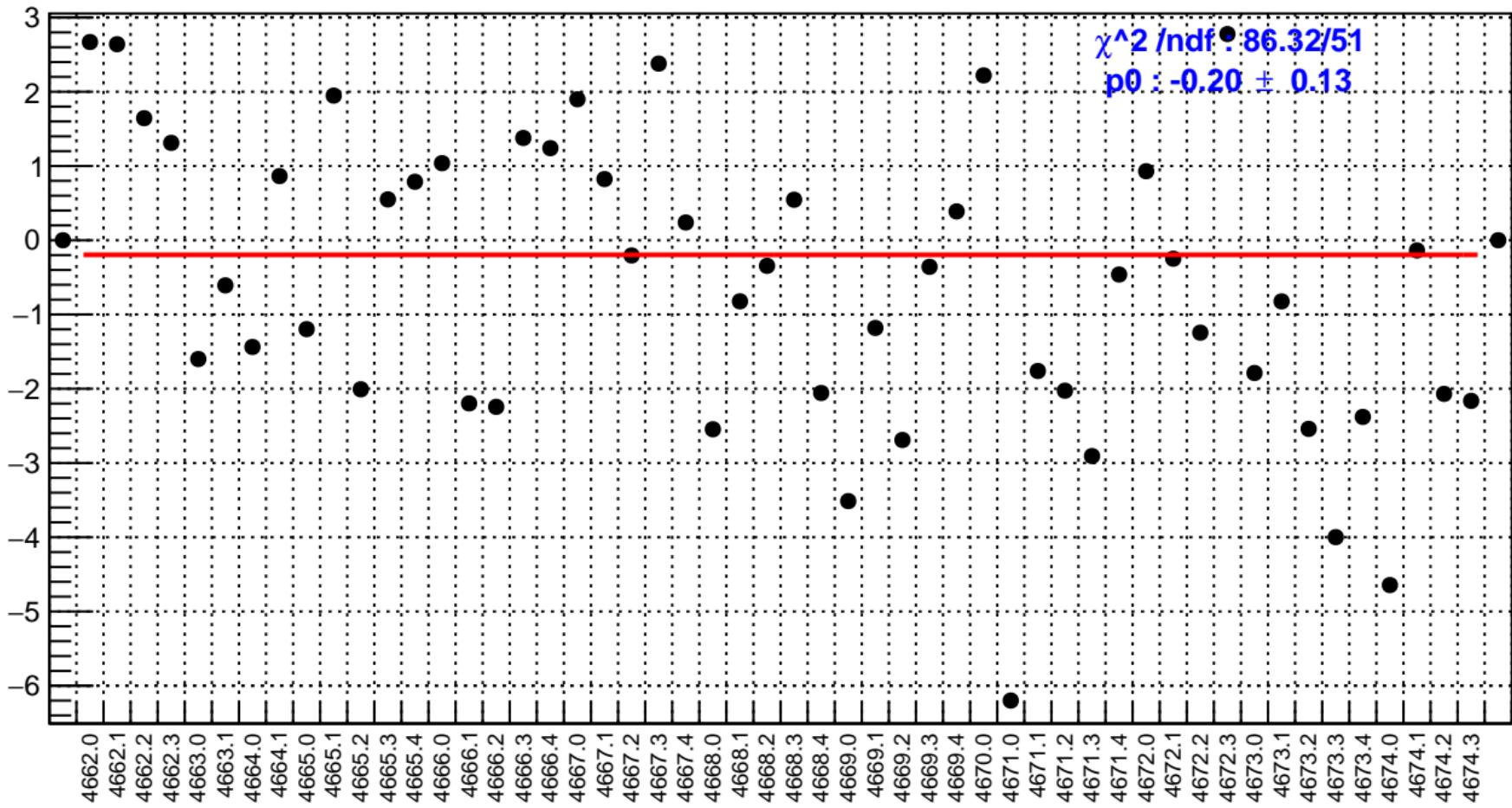
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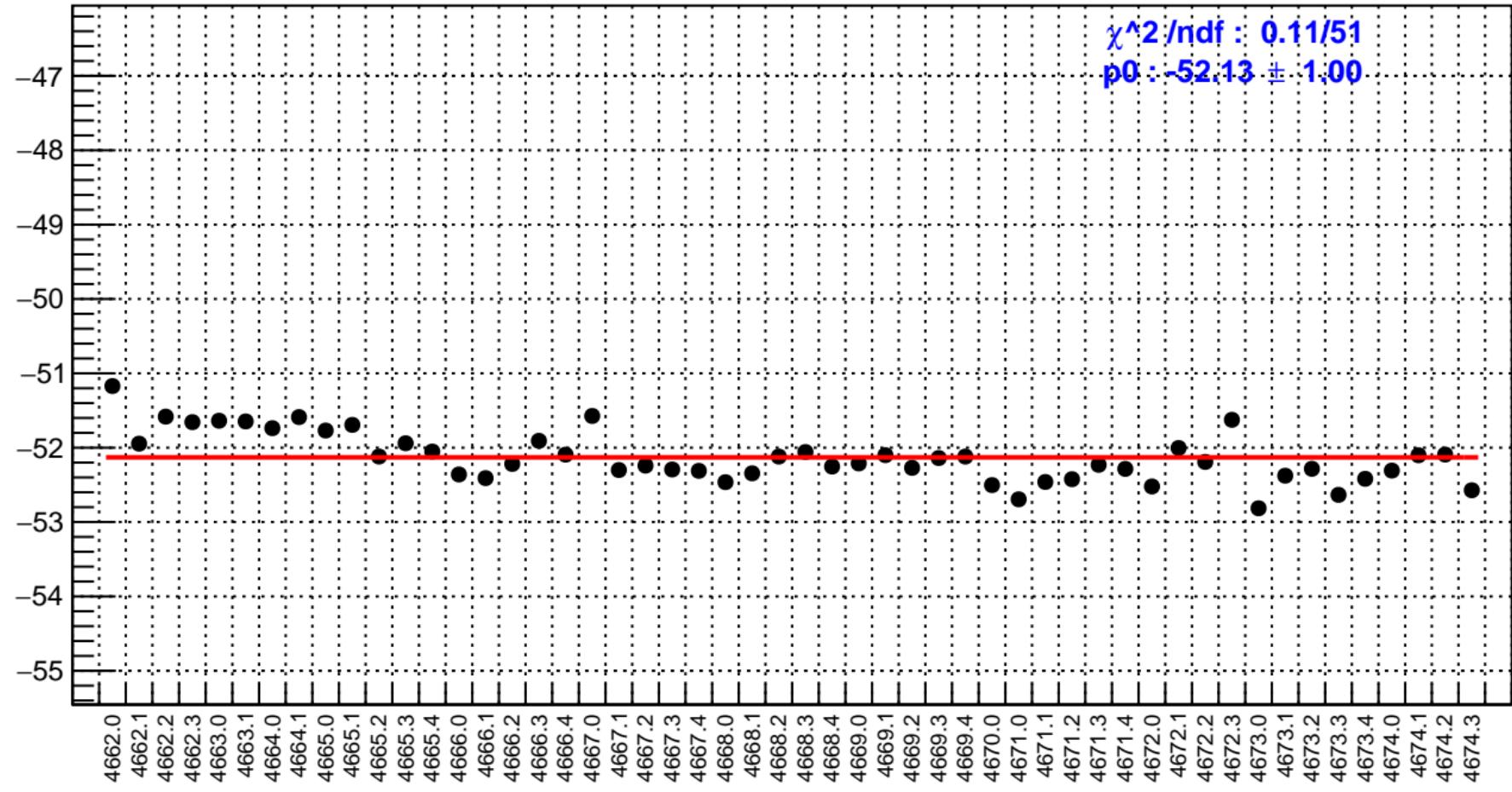
slug73: ds_avg_bpm4eX/(ppb/nm)



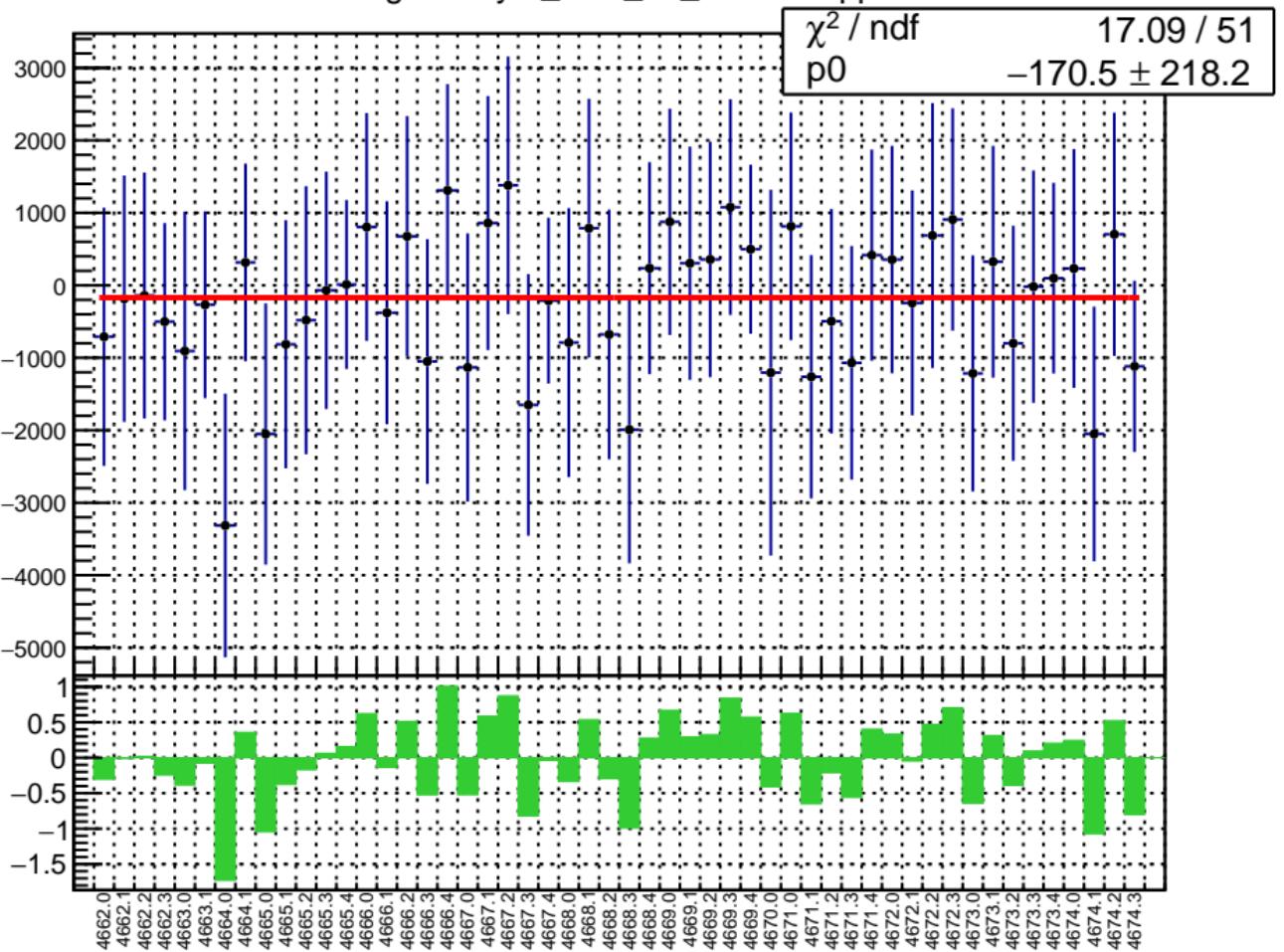
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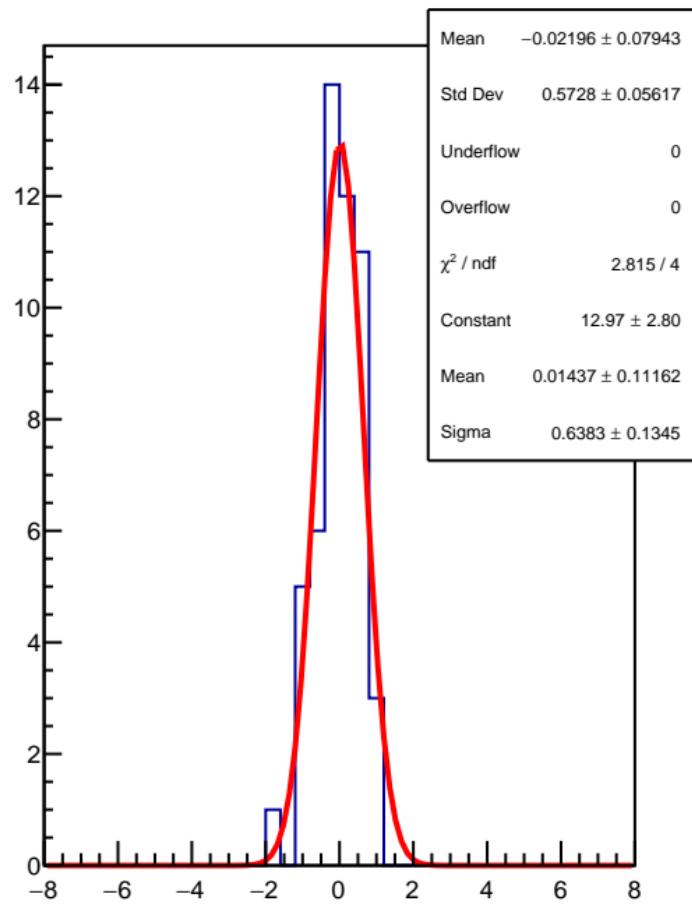
slug73: ds_avg_bpm12X/(ppb/nm)



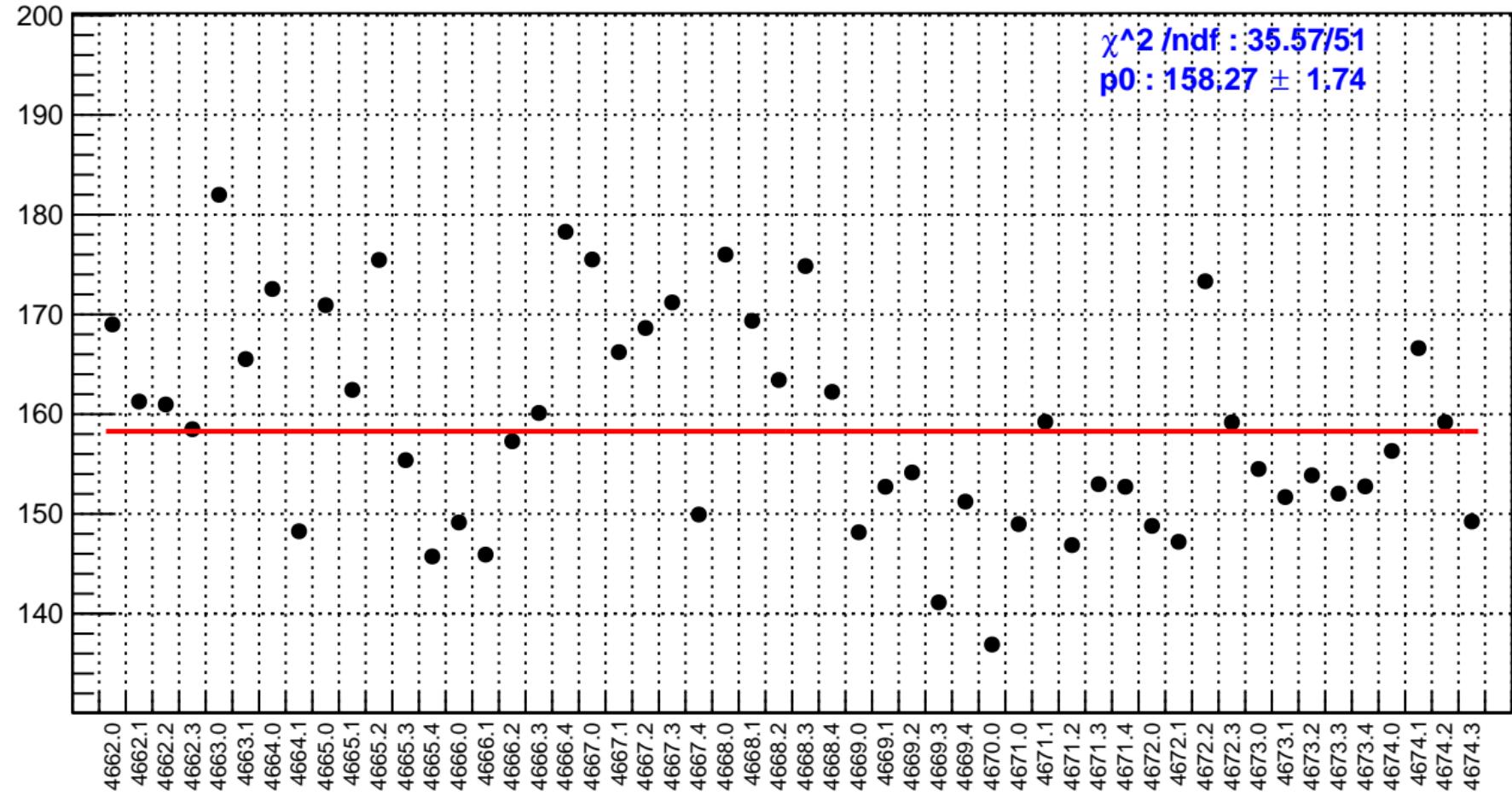
slug73: asym_bcm_an_ds.mean/ppb



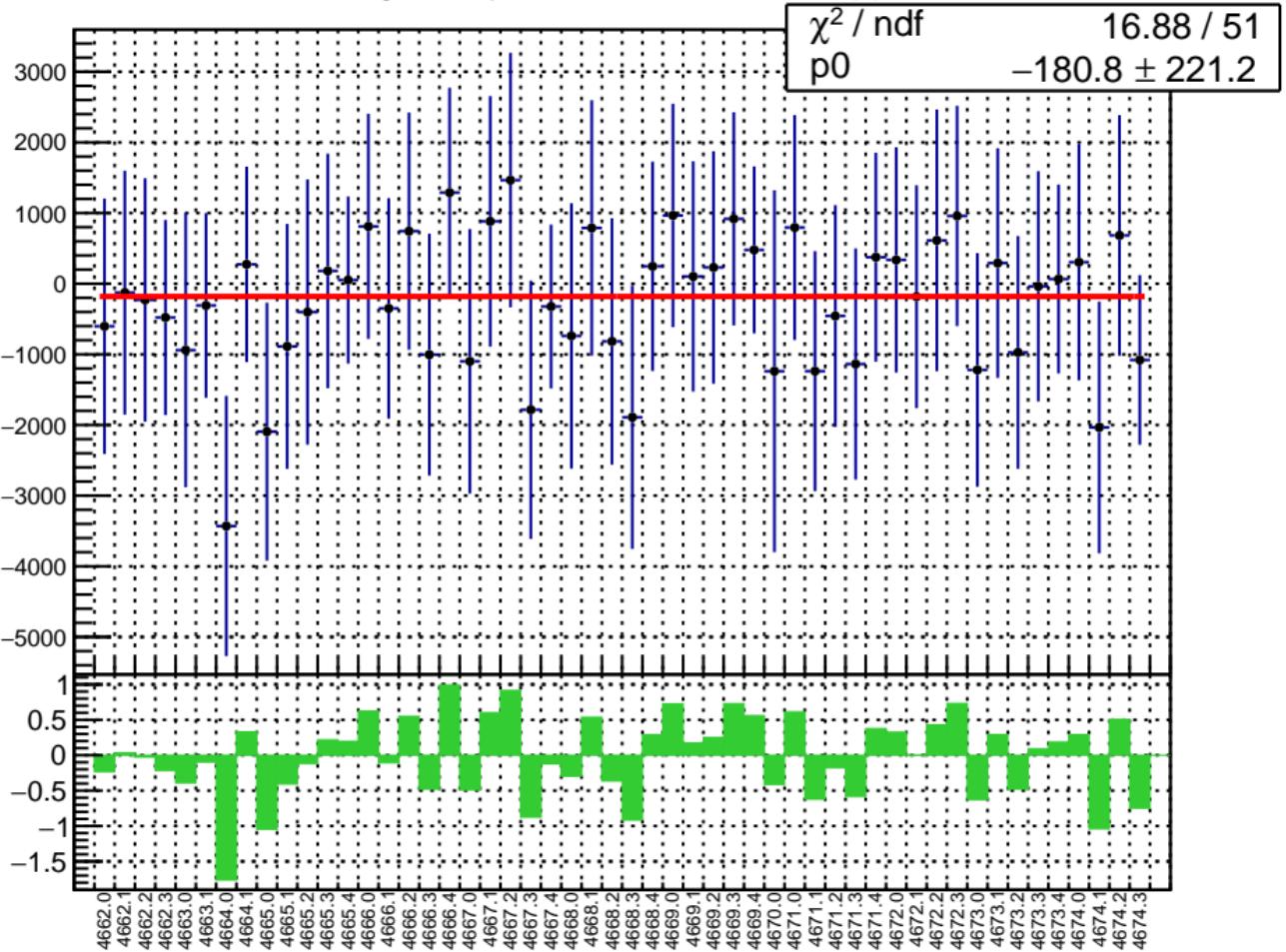
1D pull distribution



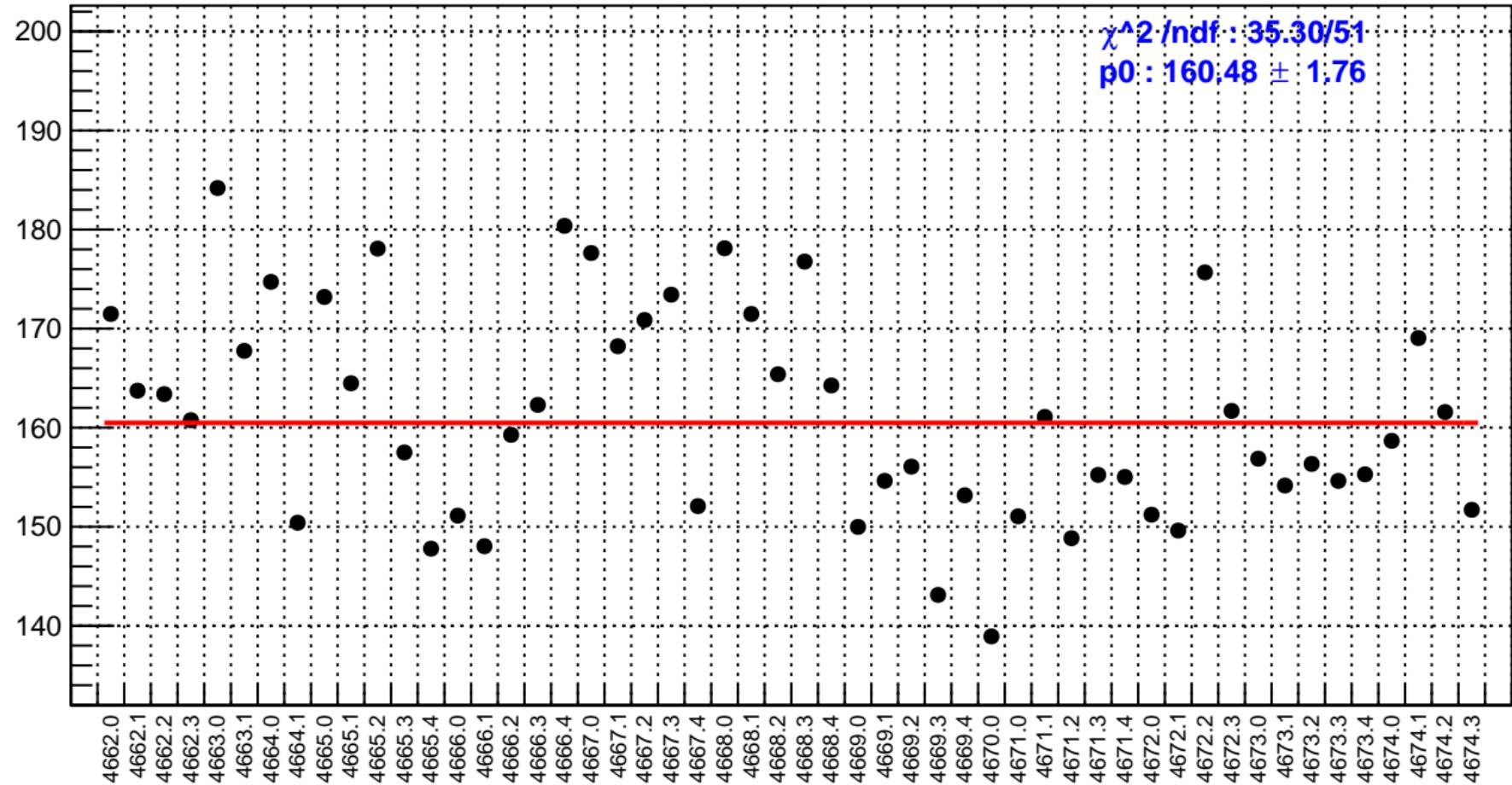
slug73: asym_bcm_an_ds.rms/ppm



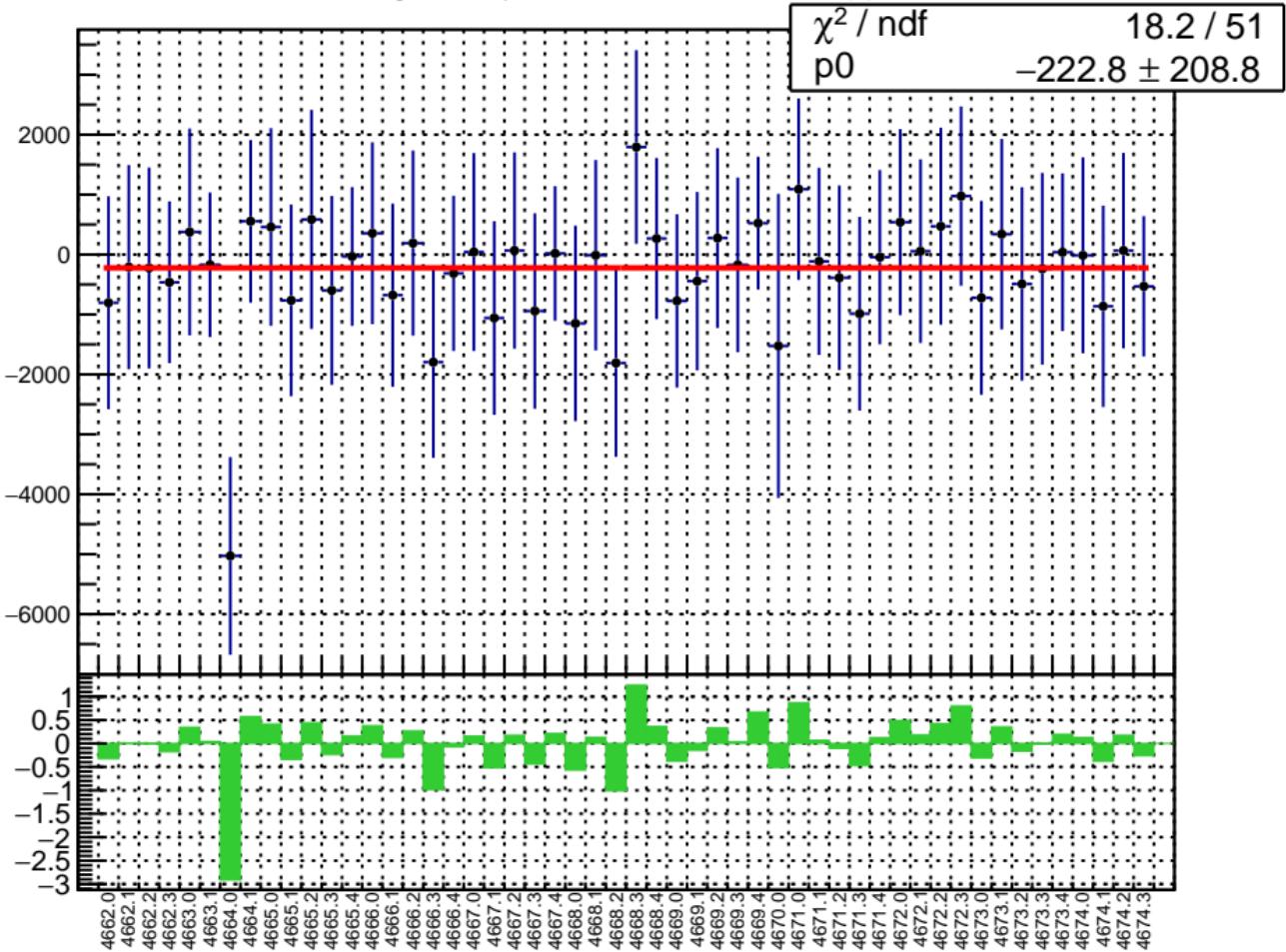
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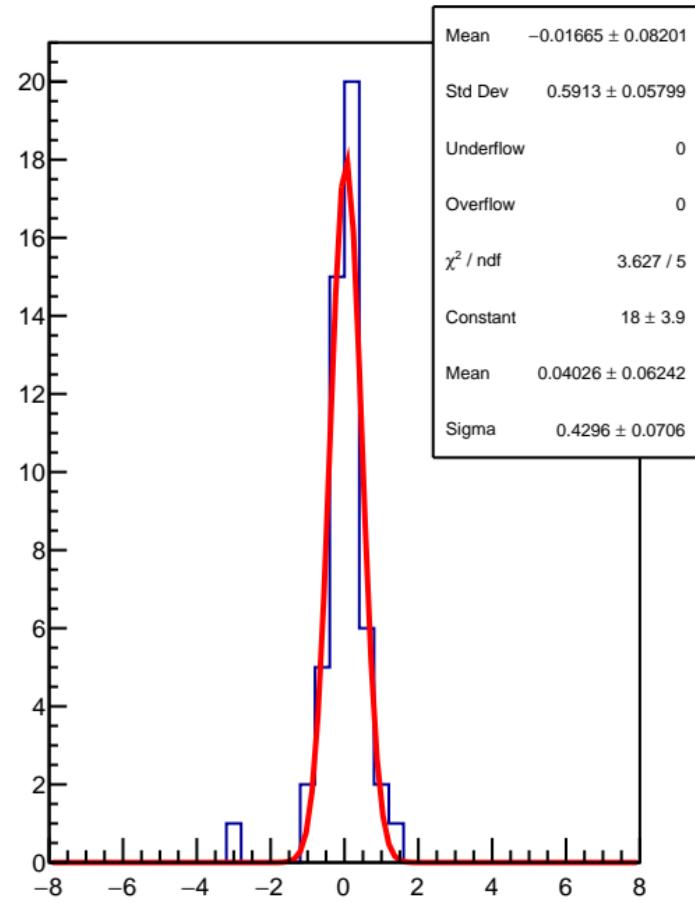
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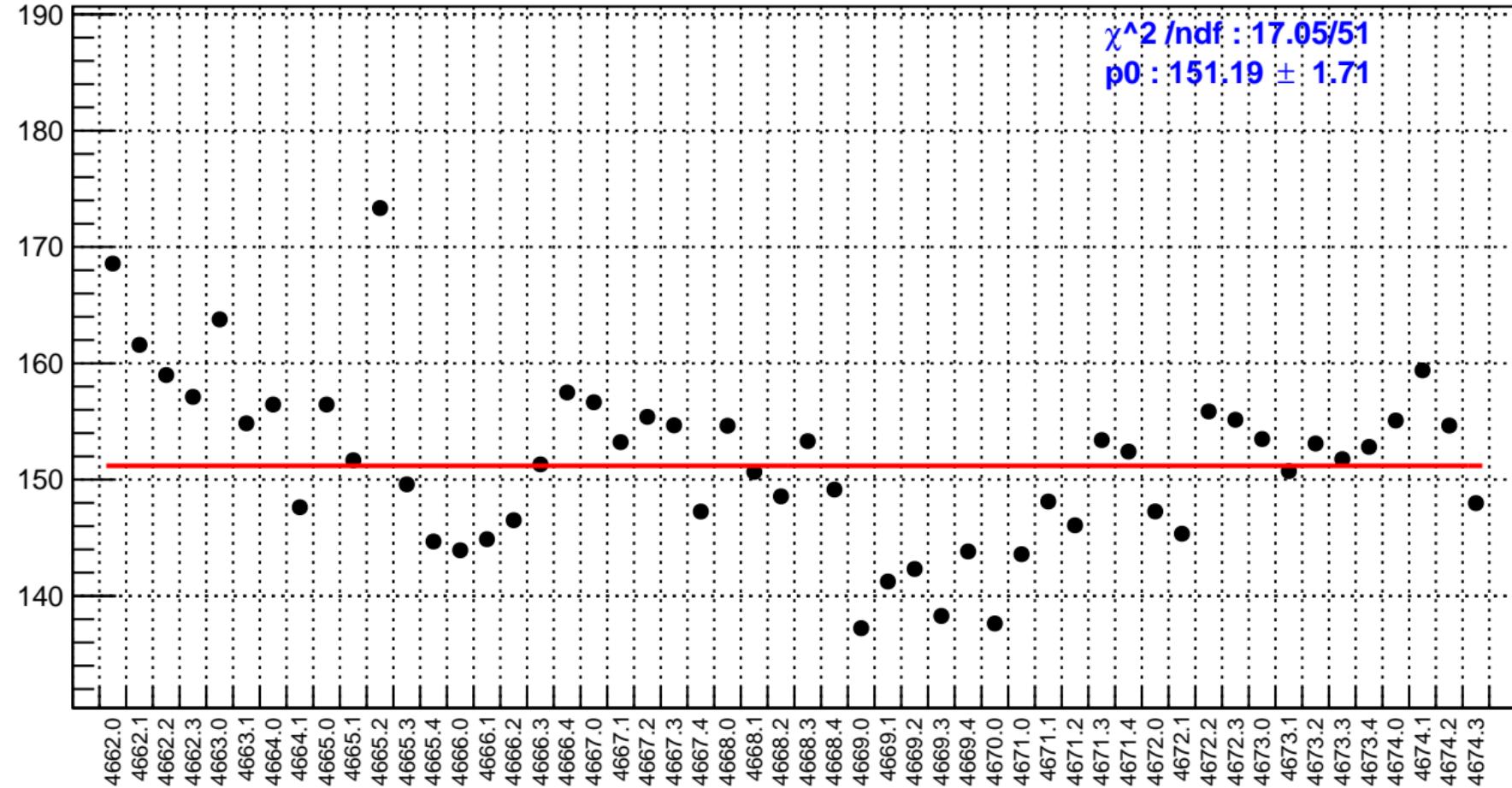
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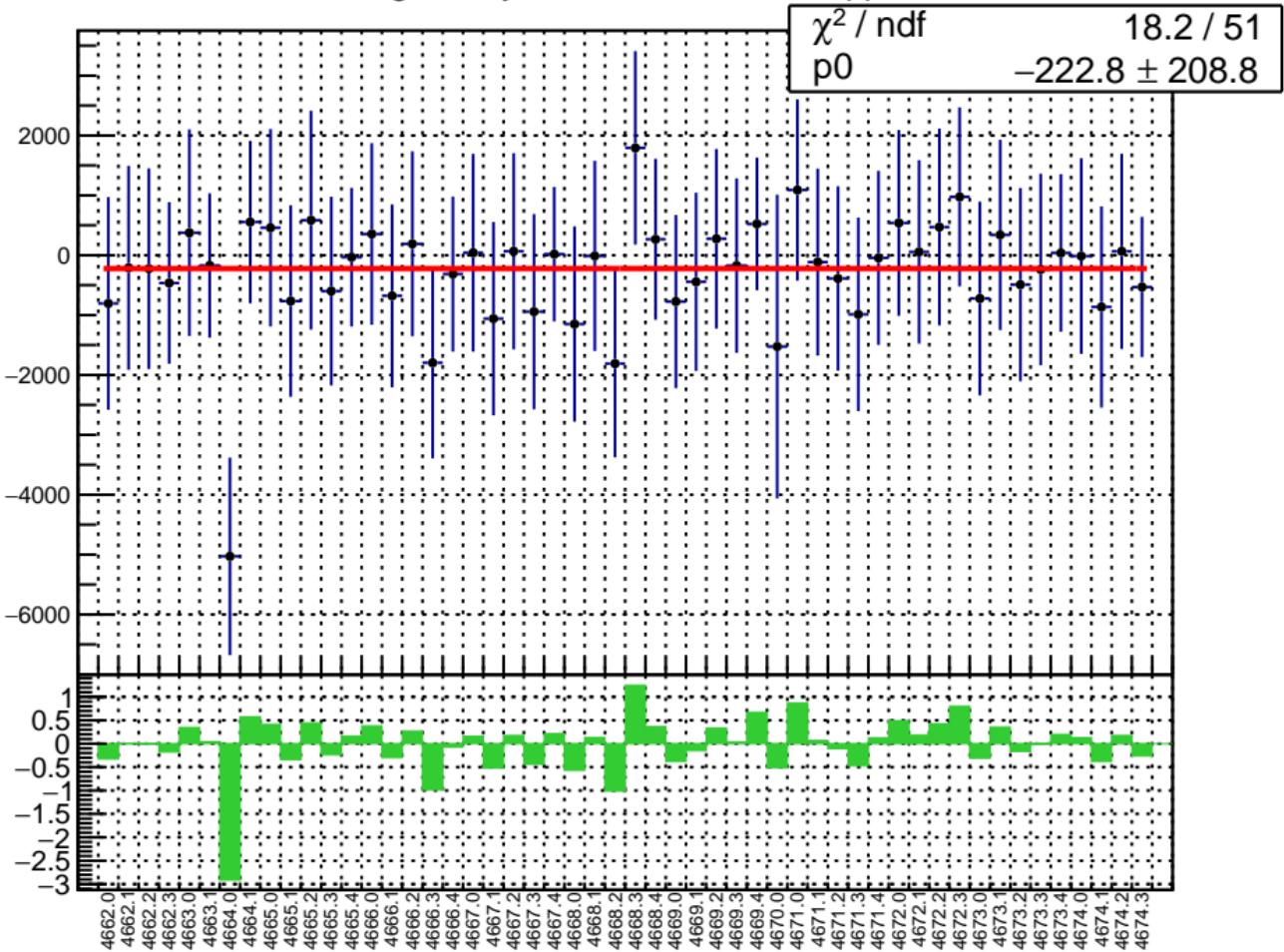
1D pull distribution



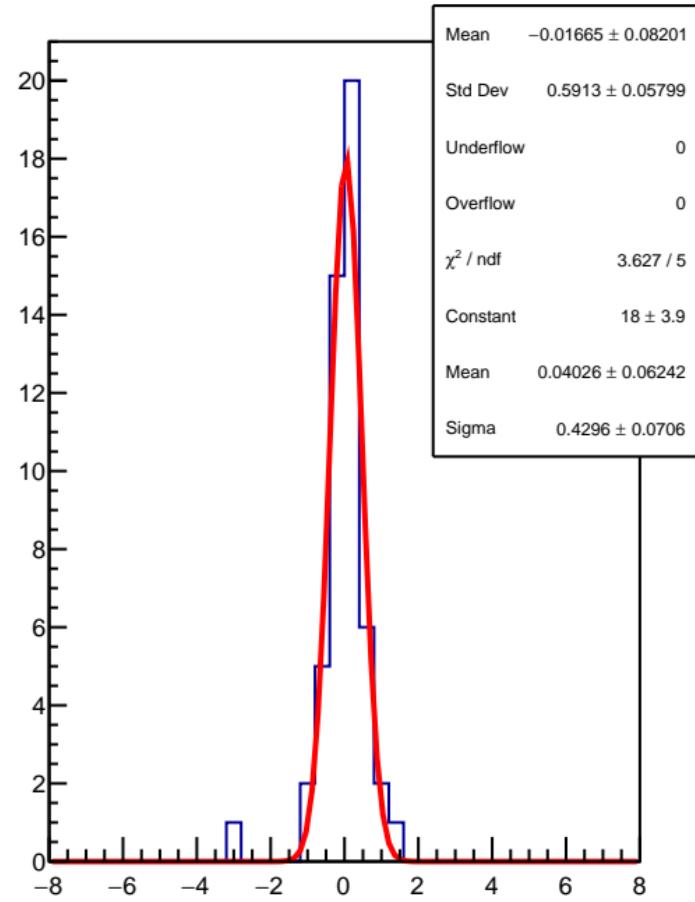
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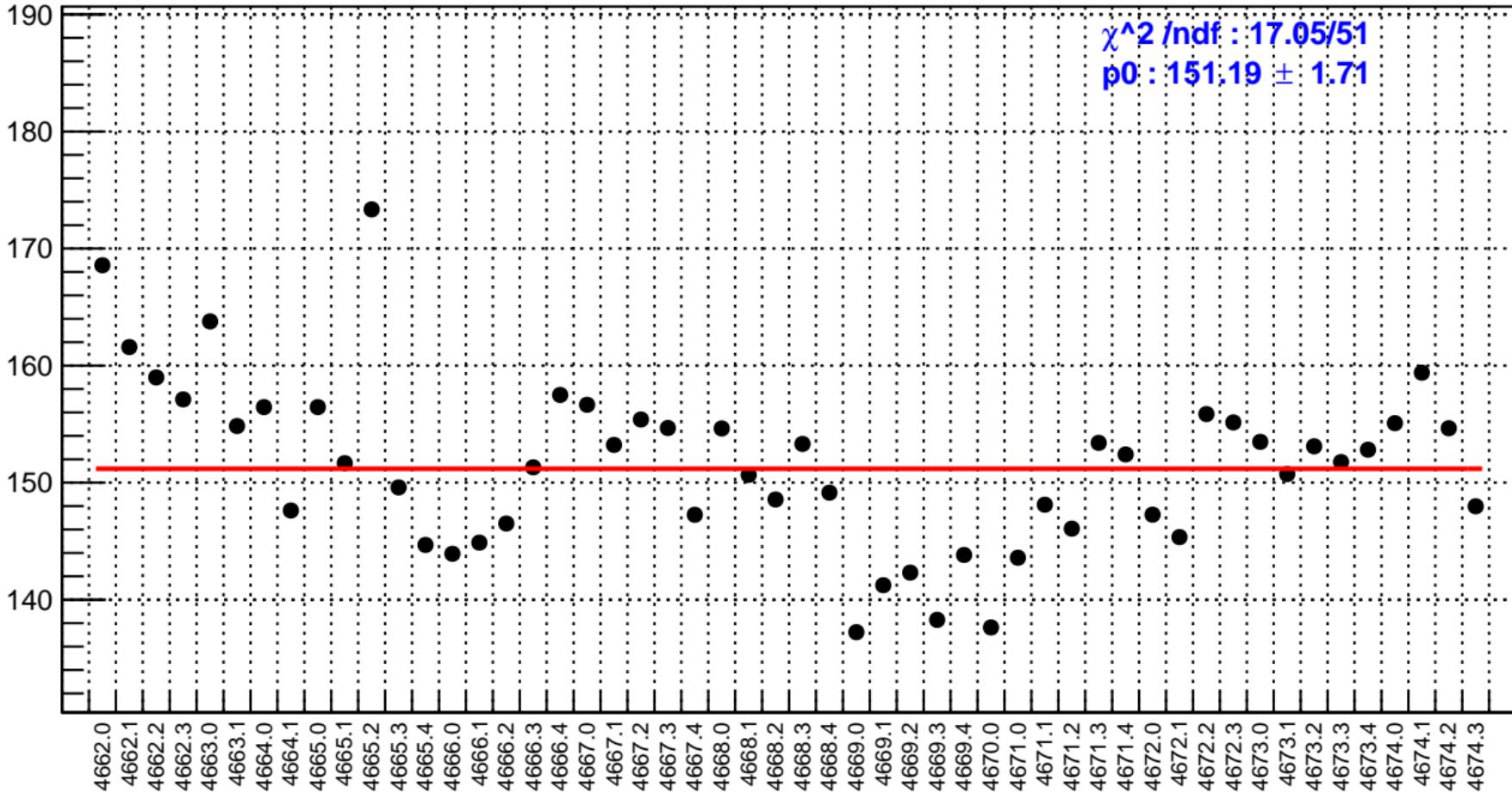
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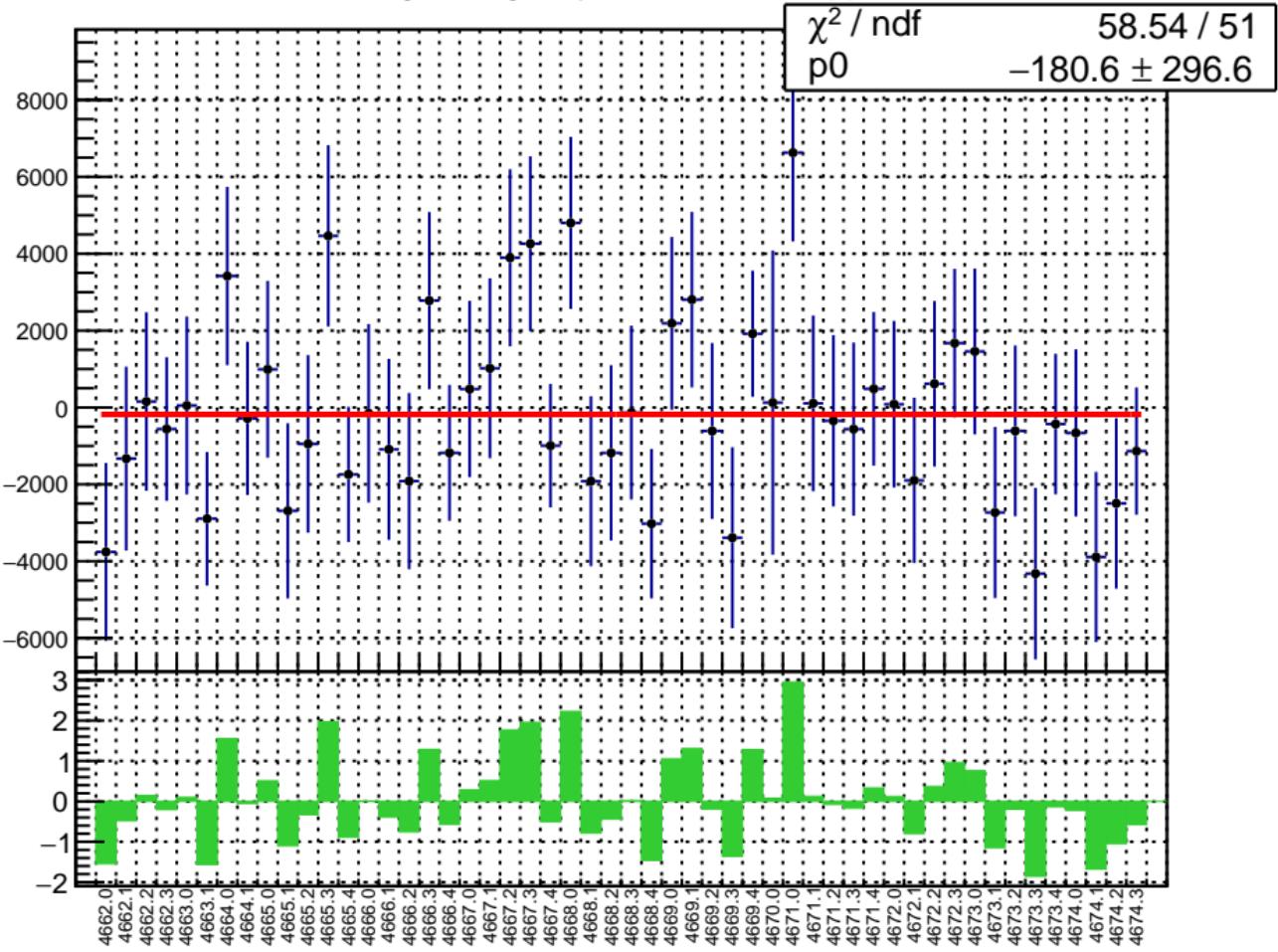
1D pull distribution



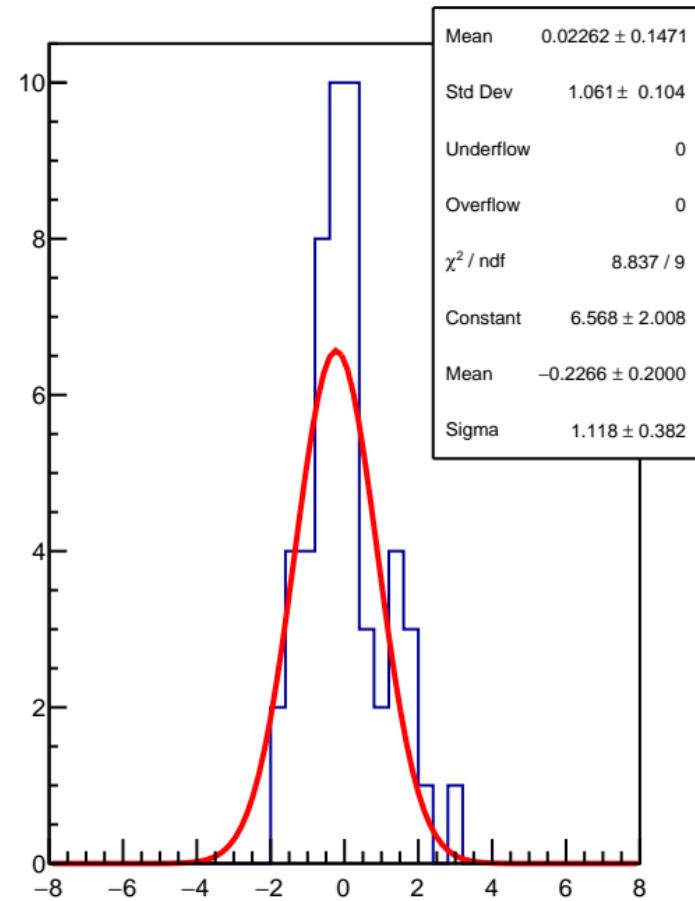
slug73: asym_bcm_an_us.rms/ppm



slug73: reg_asym_sam1.mean/ppb

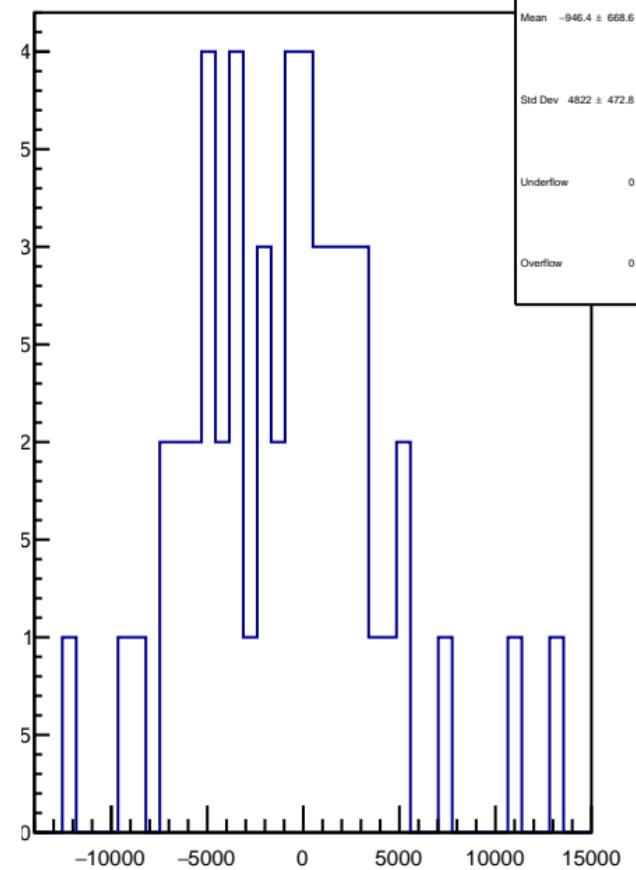
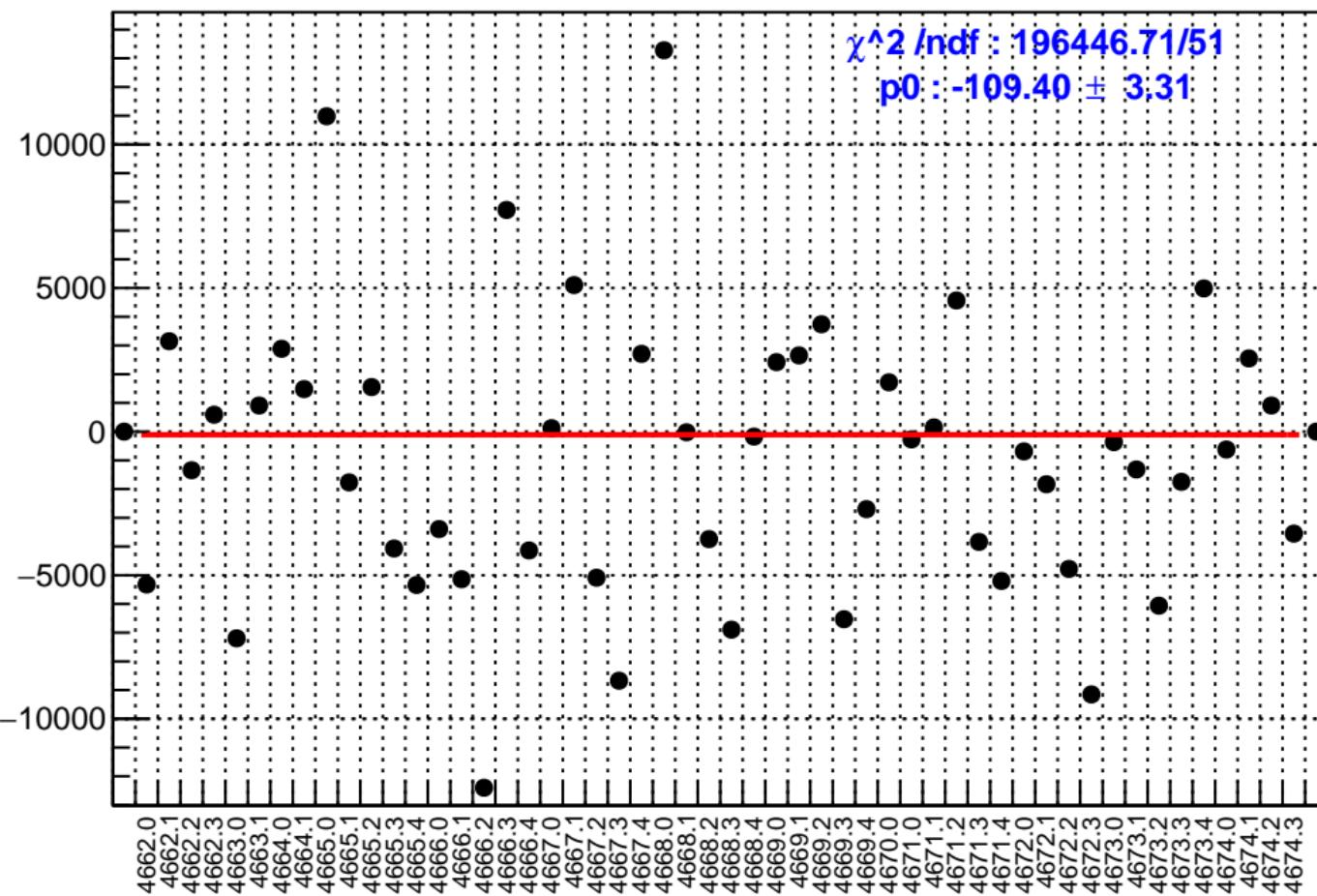


1D pull distribution

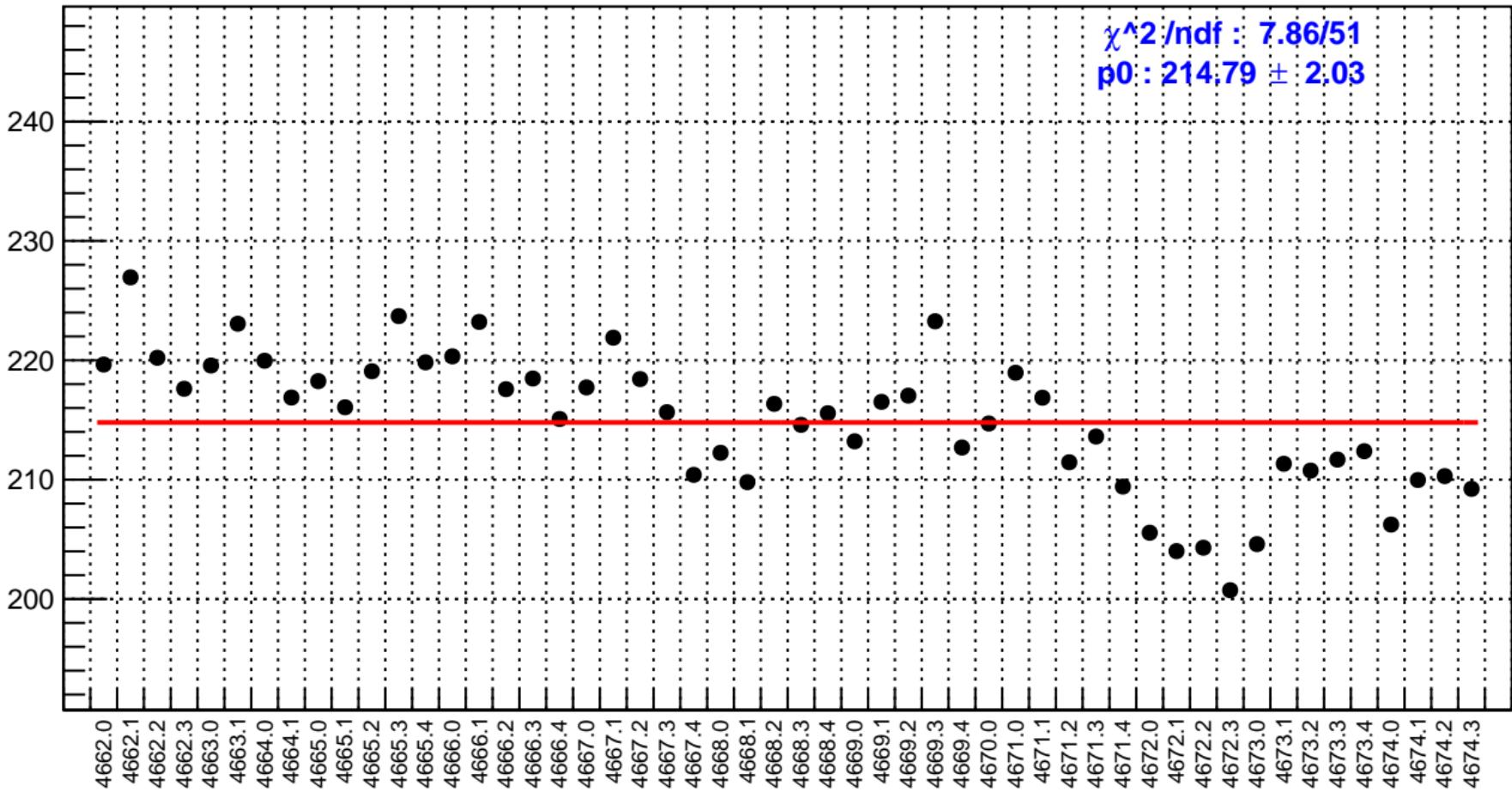


slug73: asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb

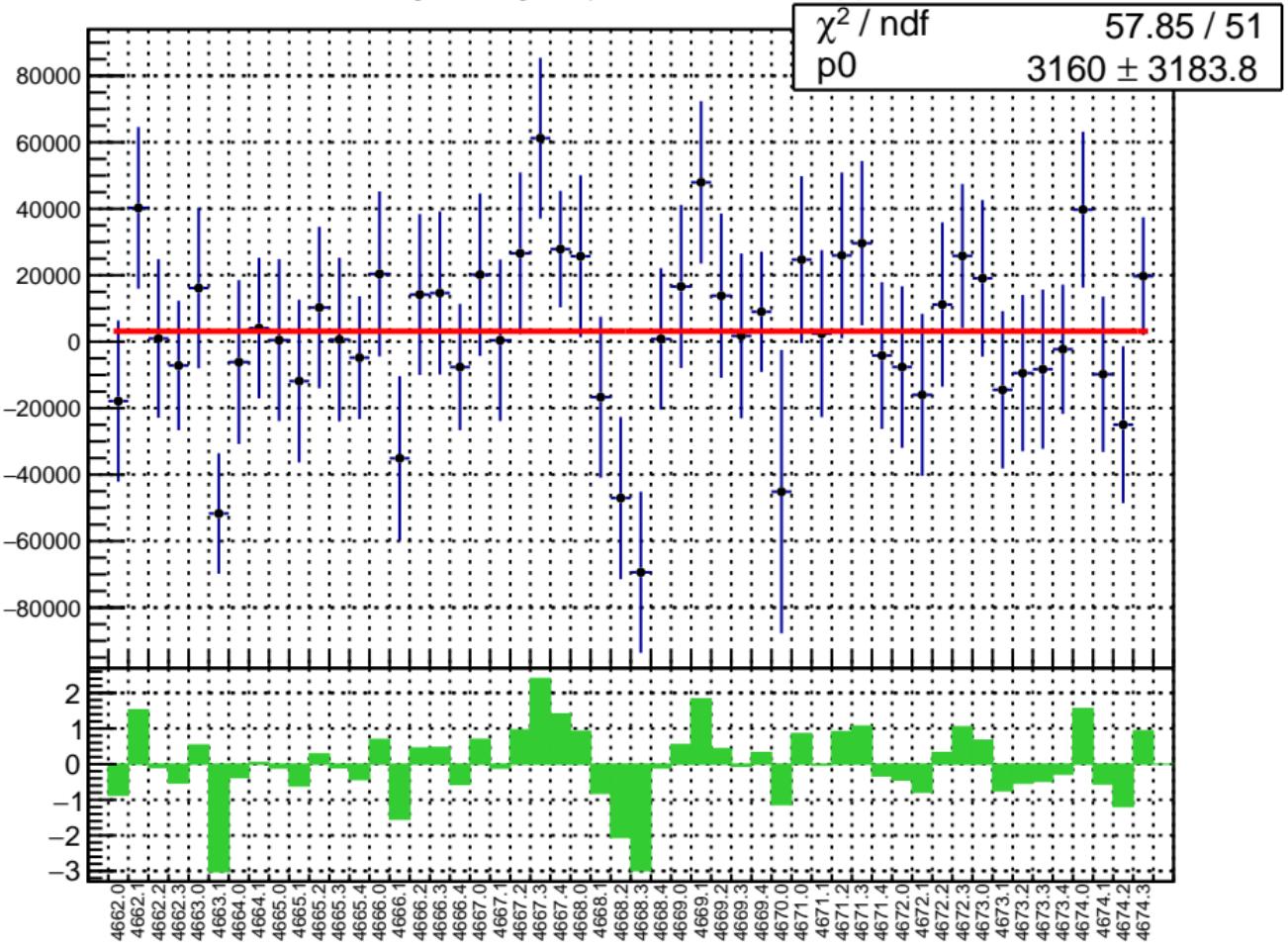
slug73: 1D Corr asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb



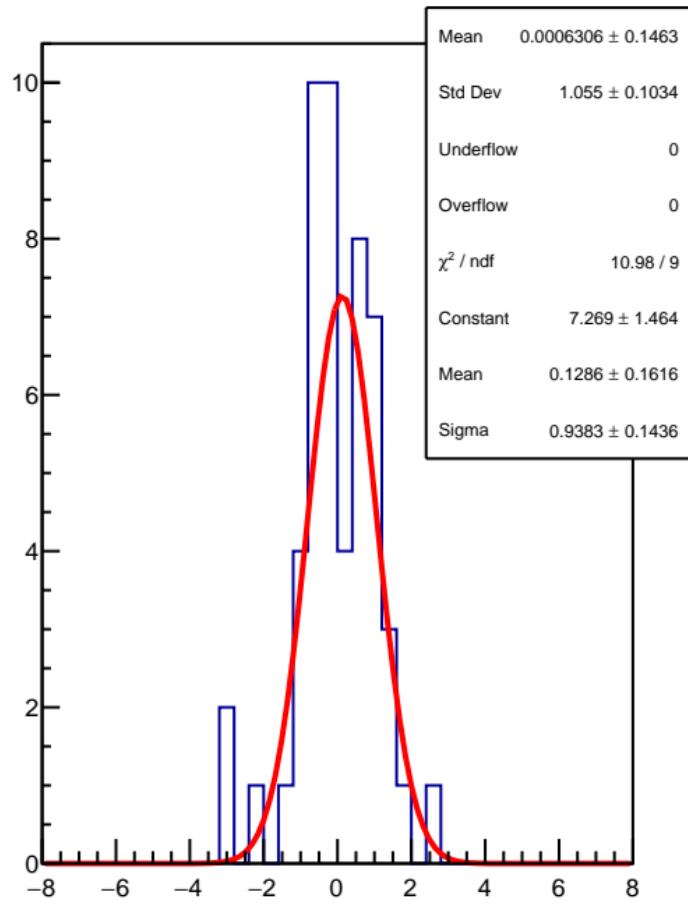
slug73: reg_asym_sam1.rms/ppm



slug73: reg_asym_sam2.mean/ppb

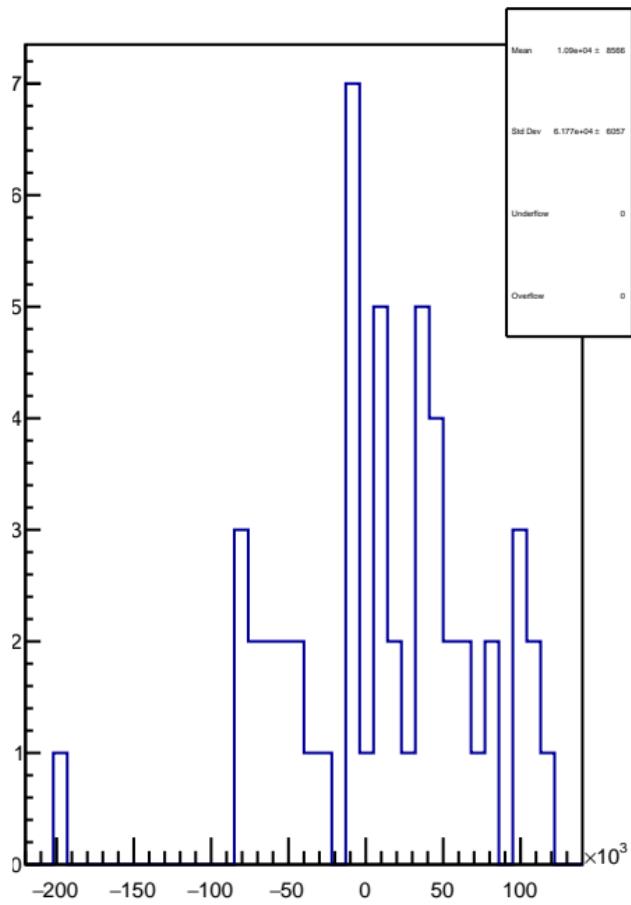
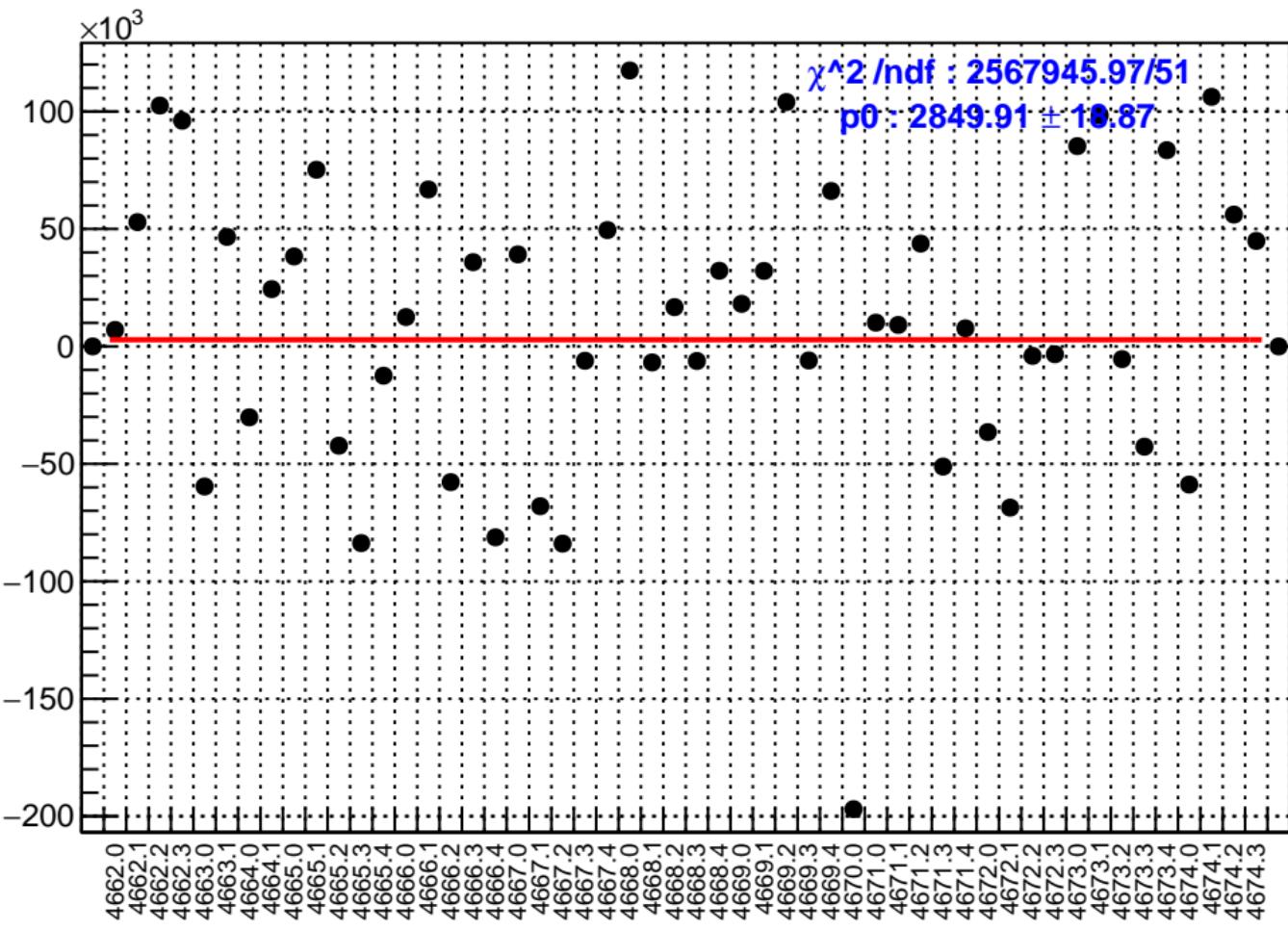


1D pull distribution

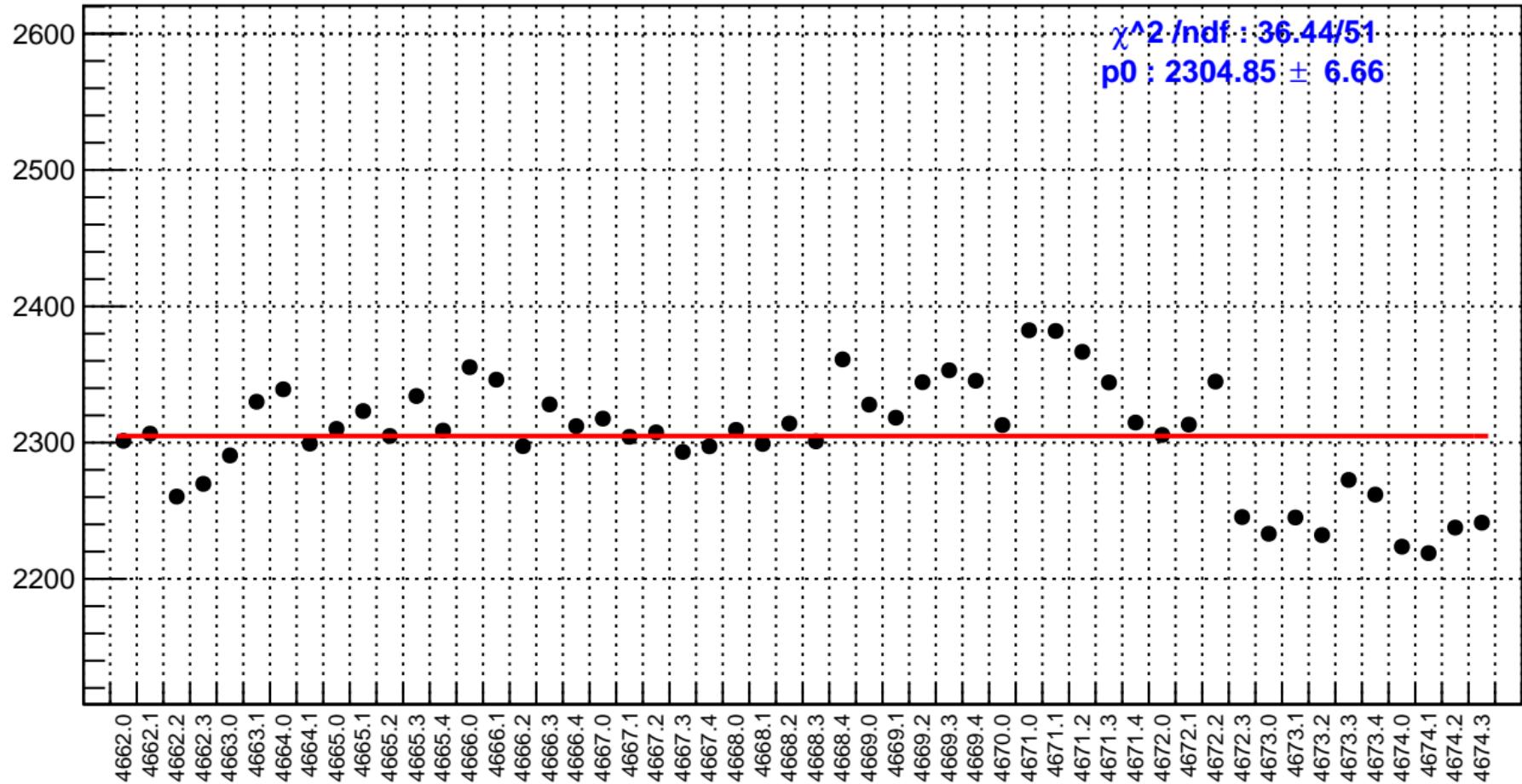


slug73: asym_sam2.mean/ppb-reg_asym_sam2.mean/ppb

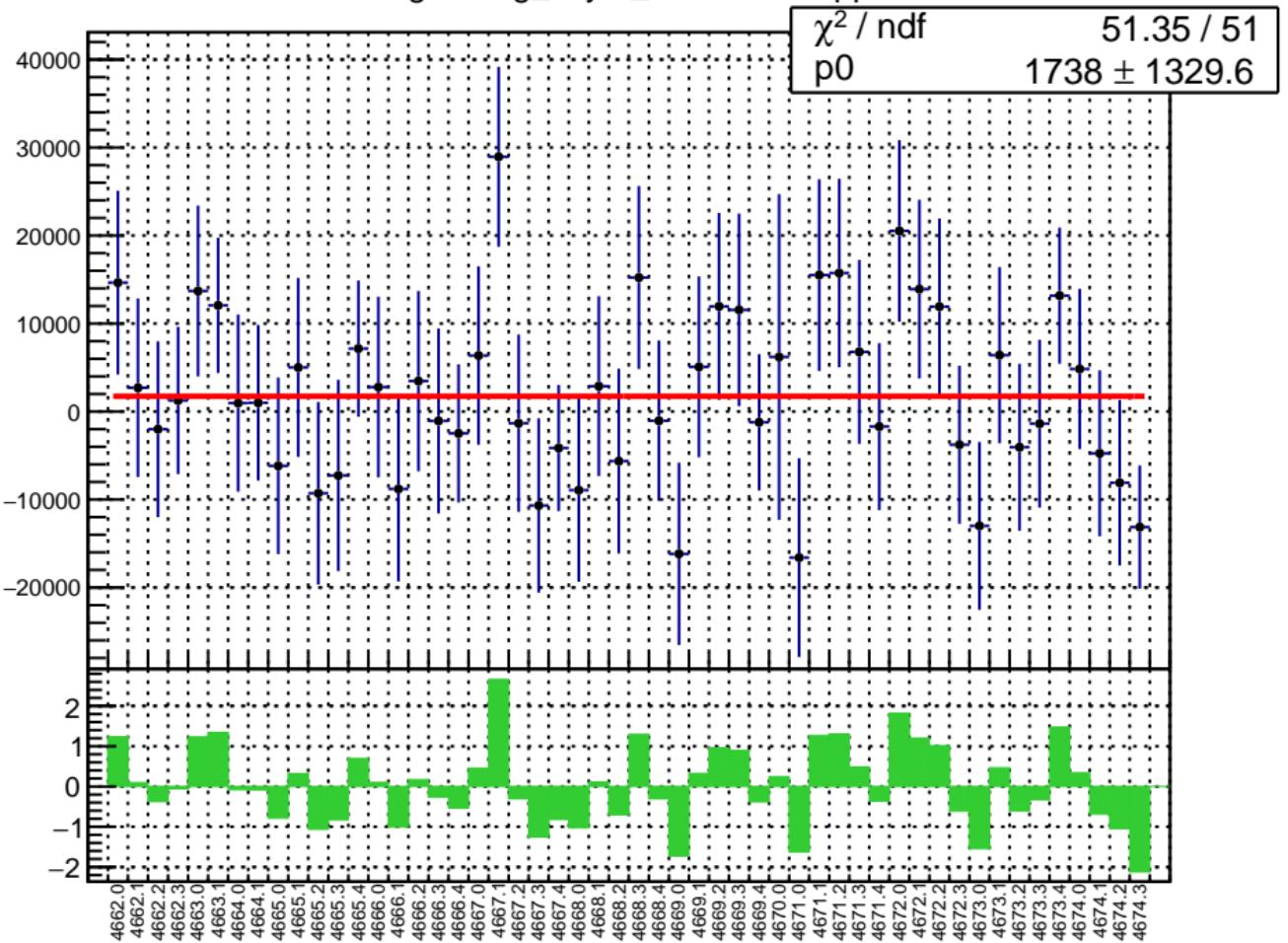
slug73: 1D Corr asym_sam2.mean/ppb-reg_asym_sam2.mean/ppb



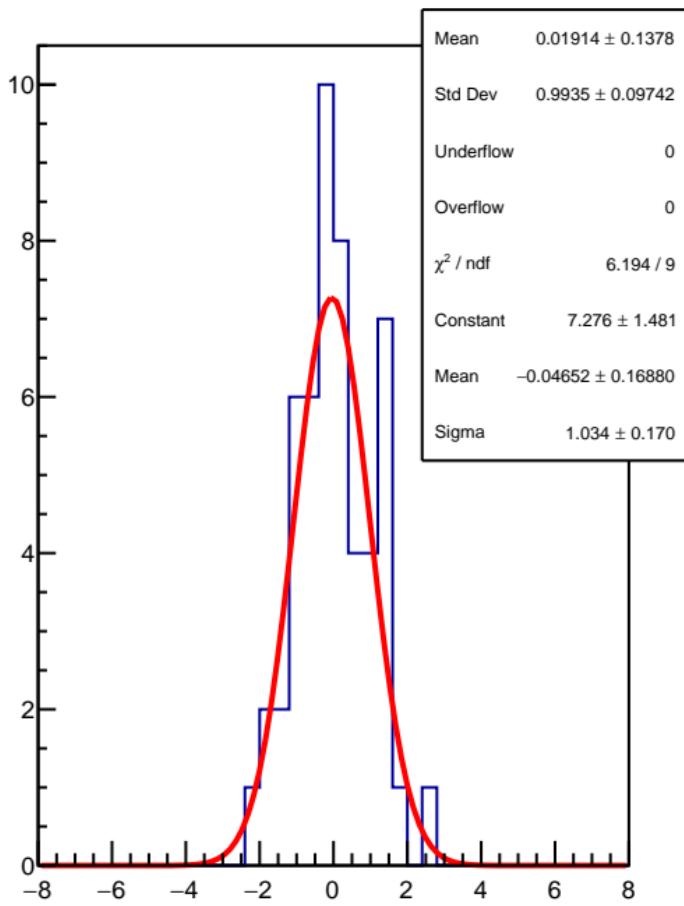
slug73: reg_asym_sam2.rms/ppm



slug73: reg_asym_sam3.mean/ppb

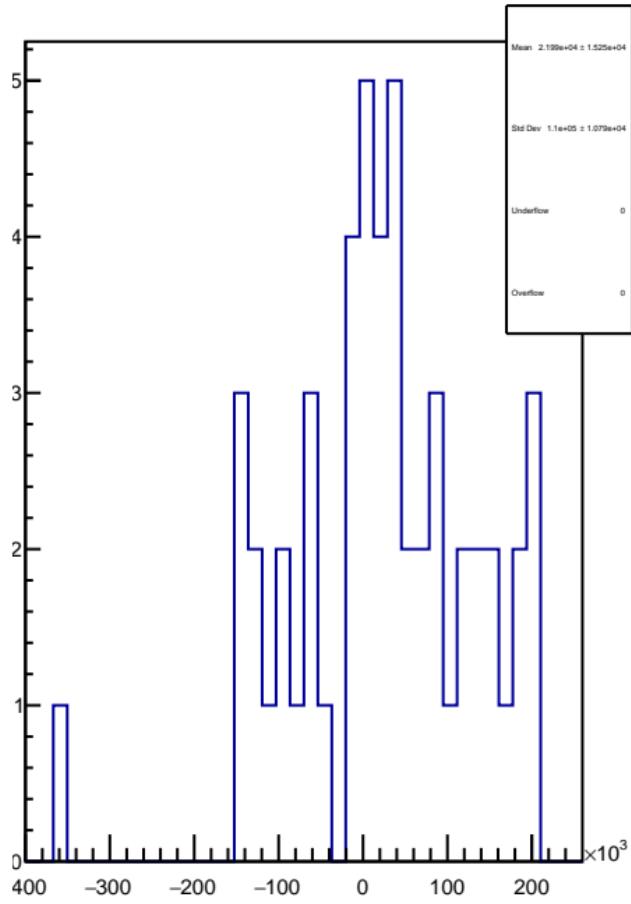
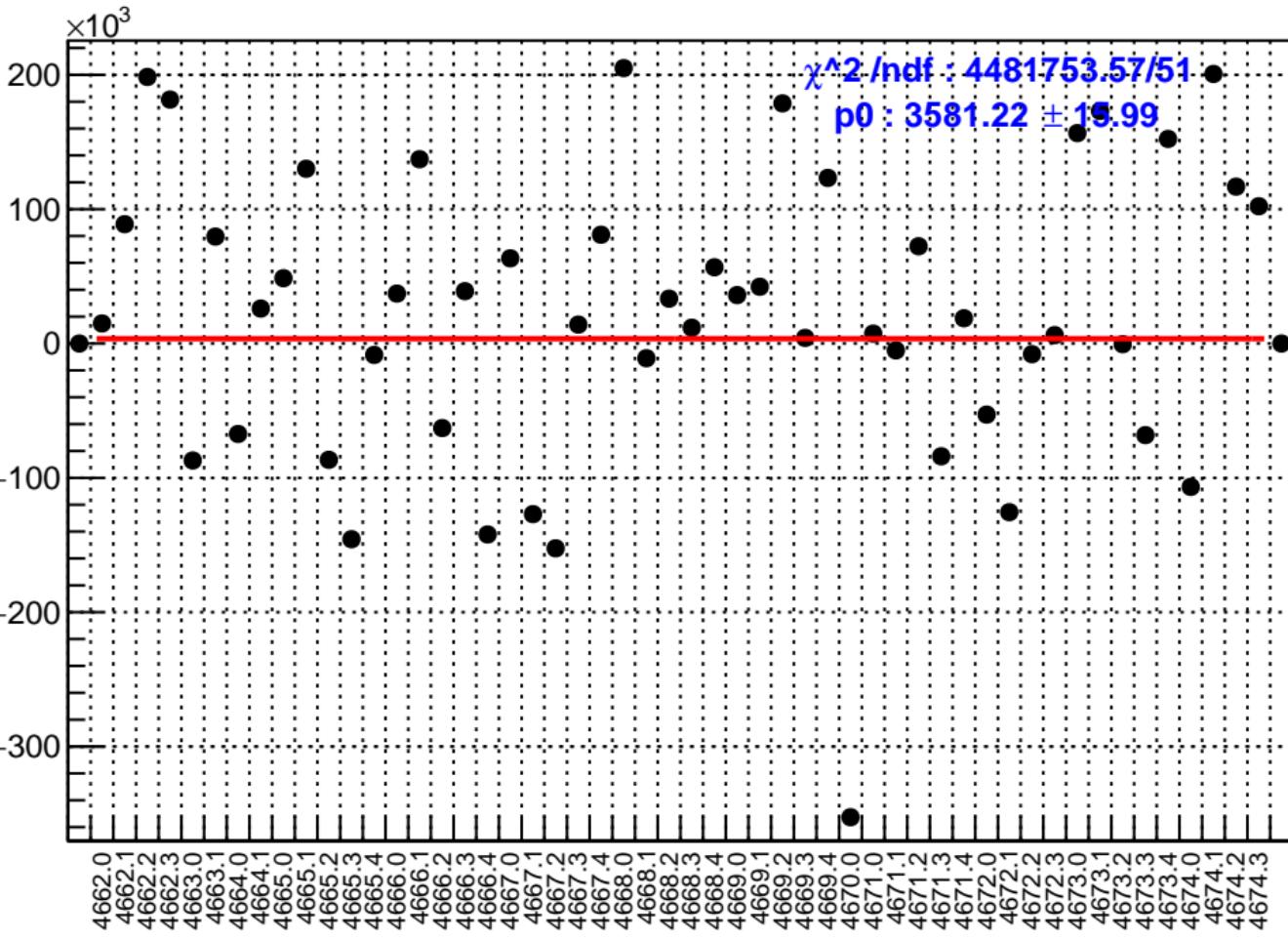


1D pull distribution

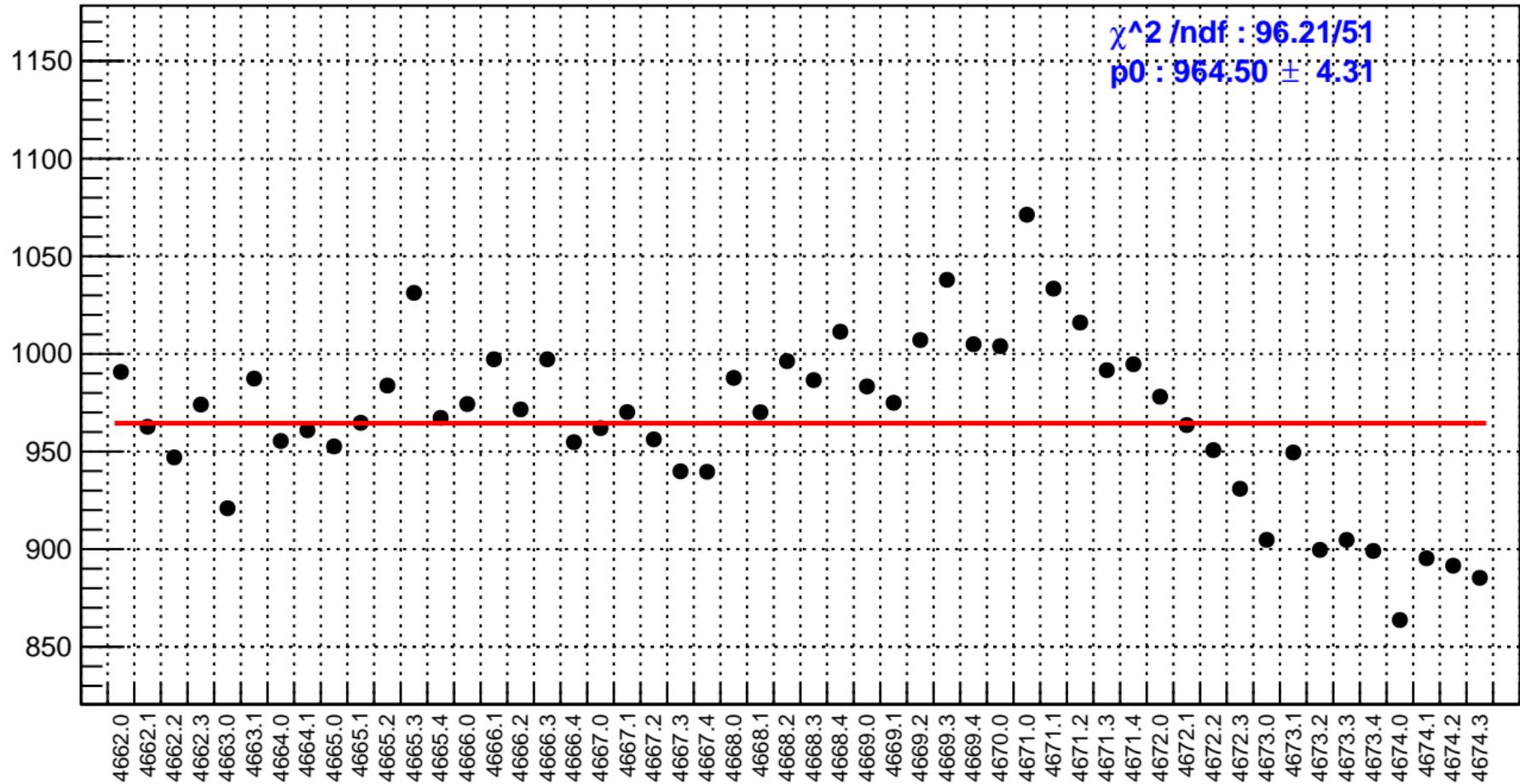


slug73: asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb

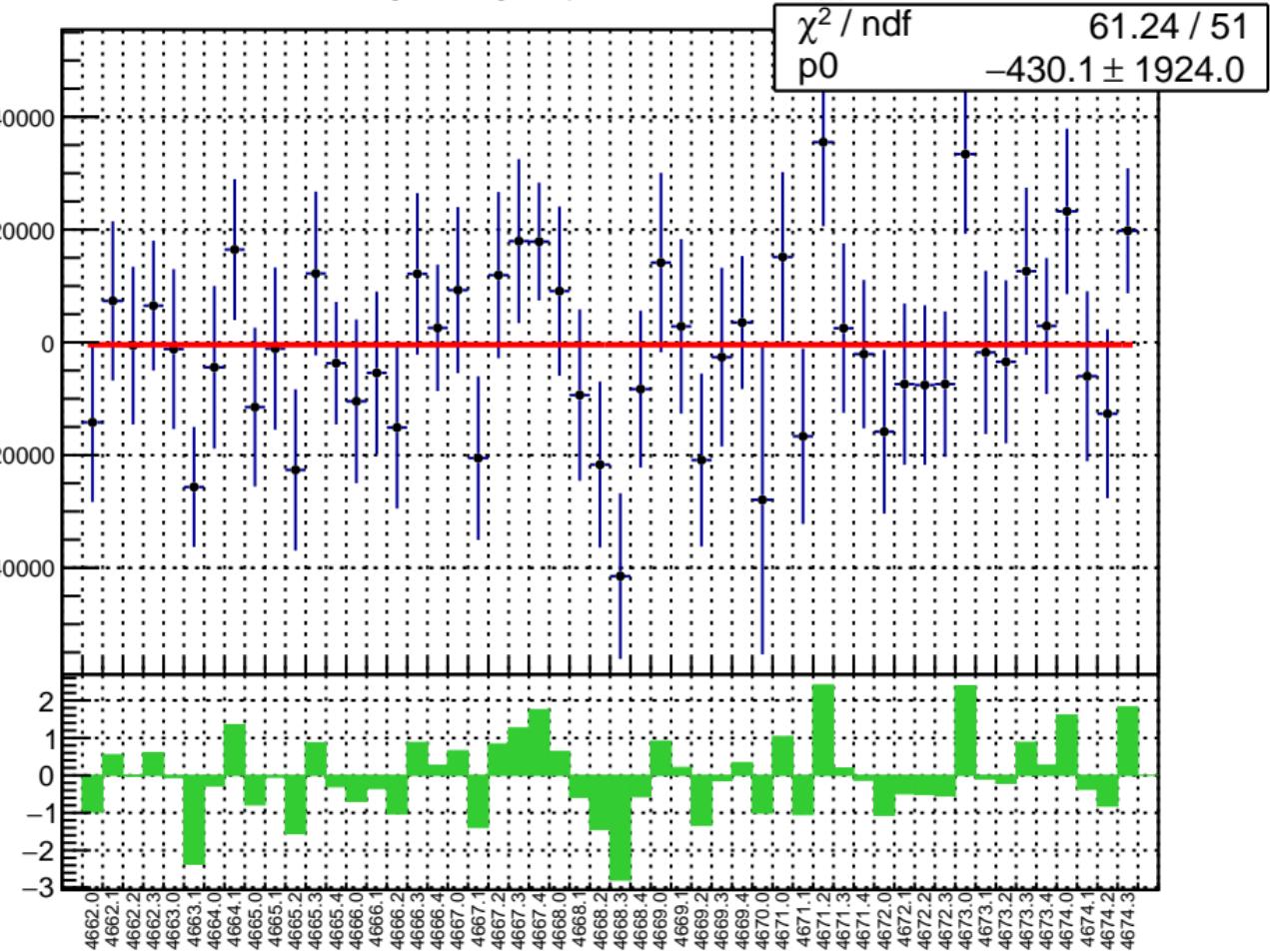
slug73: 1D Corr asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb



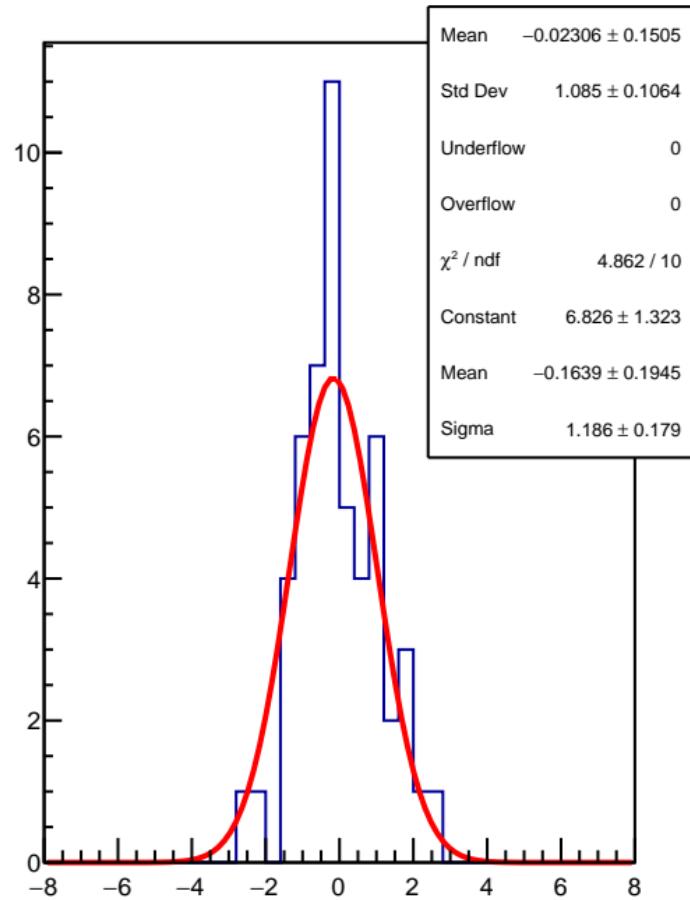
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slug73: reg_asym_sam4.mean/ppb

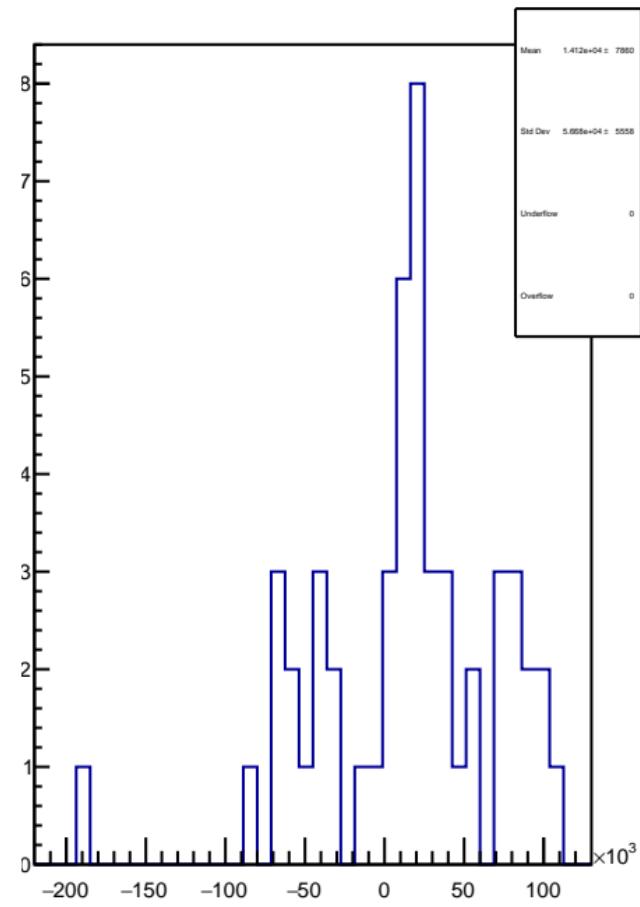
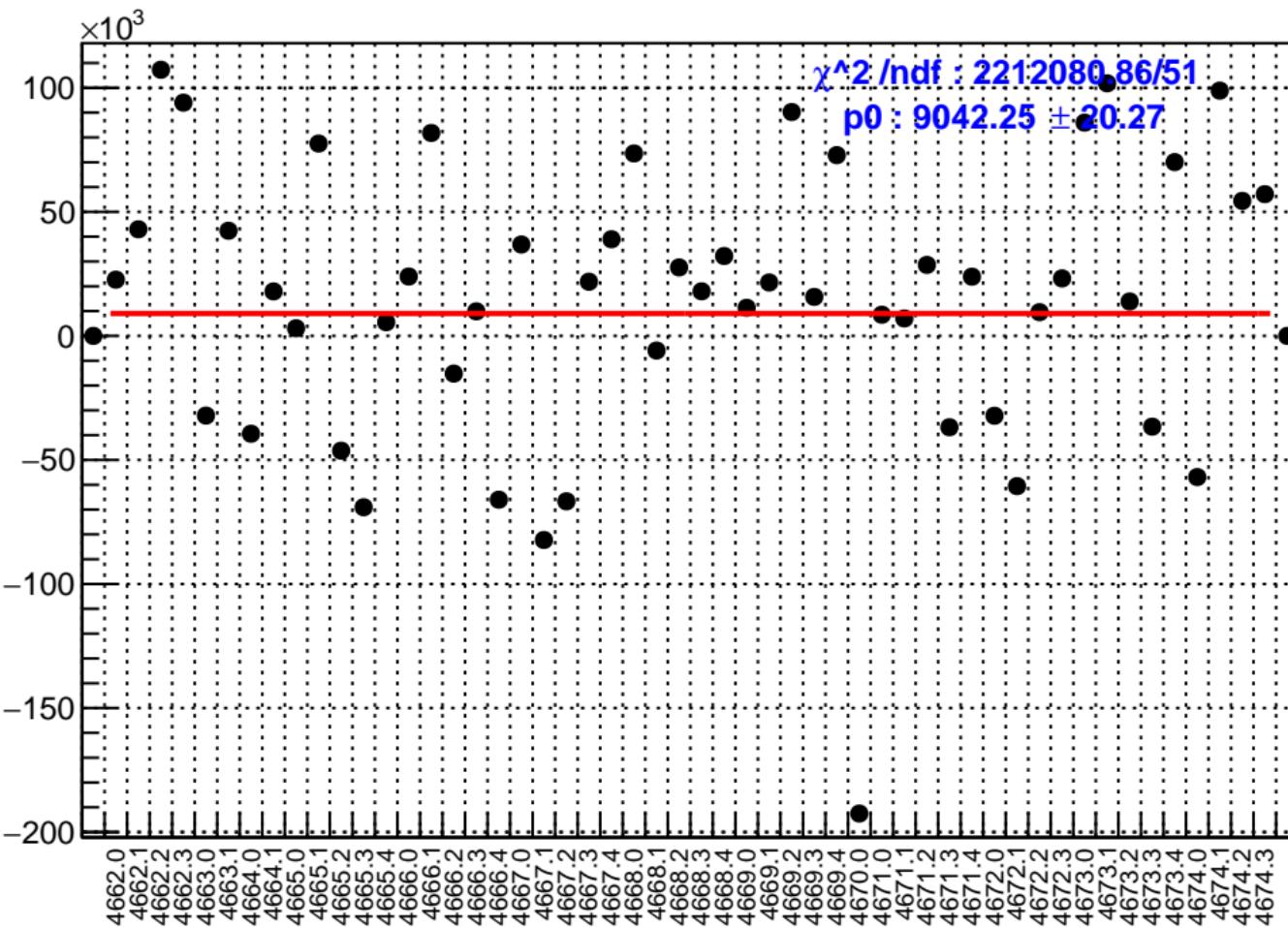


1D pull distribution

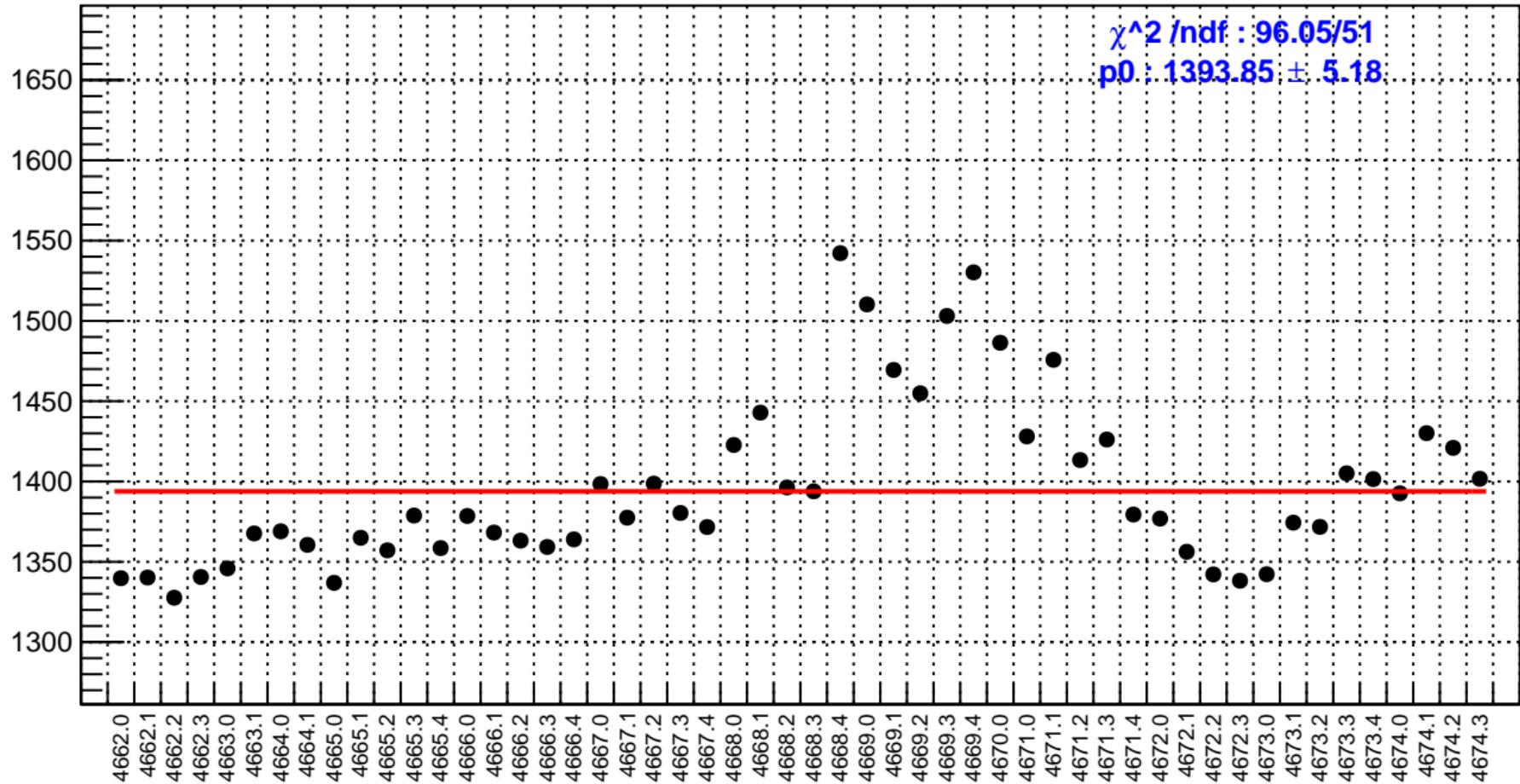


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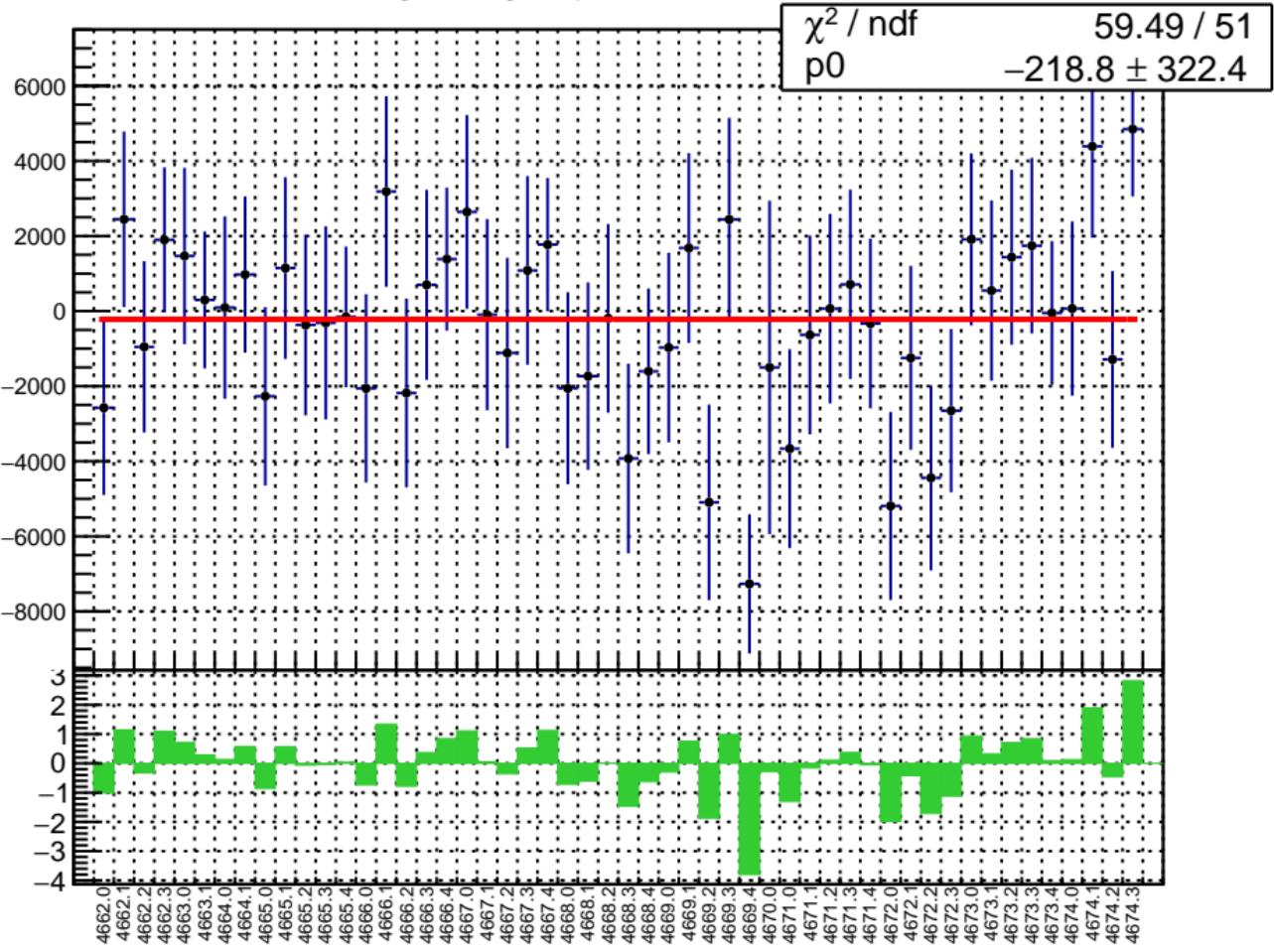
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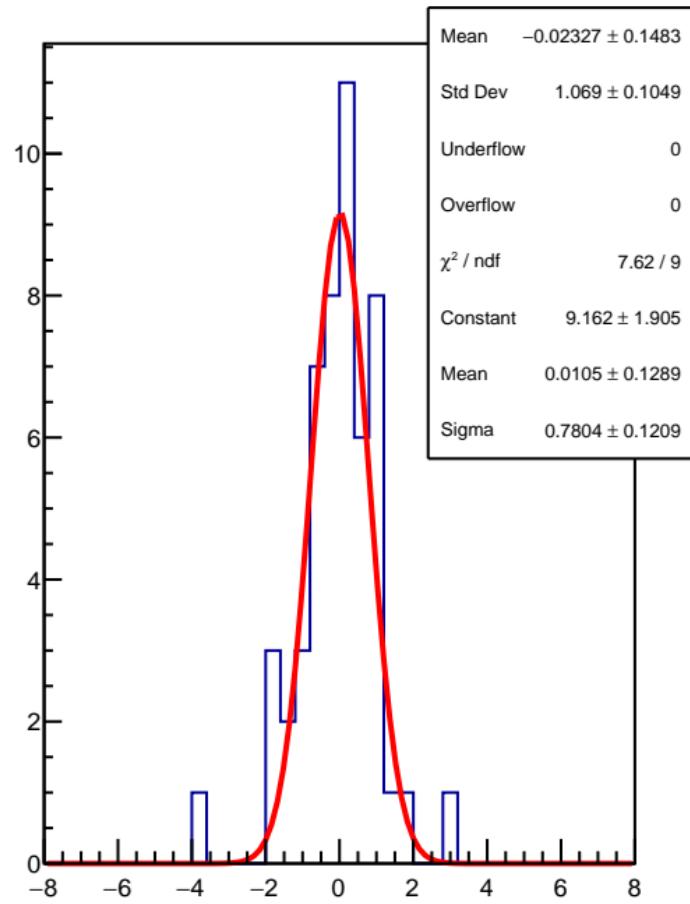
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slug73: reg_asym_sam5.mean/ppb

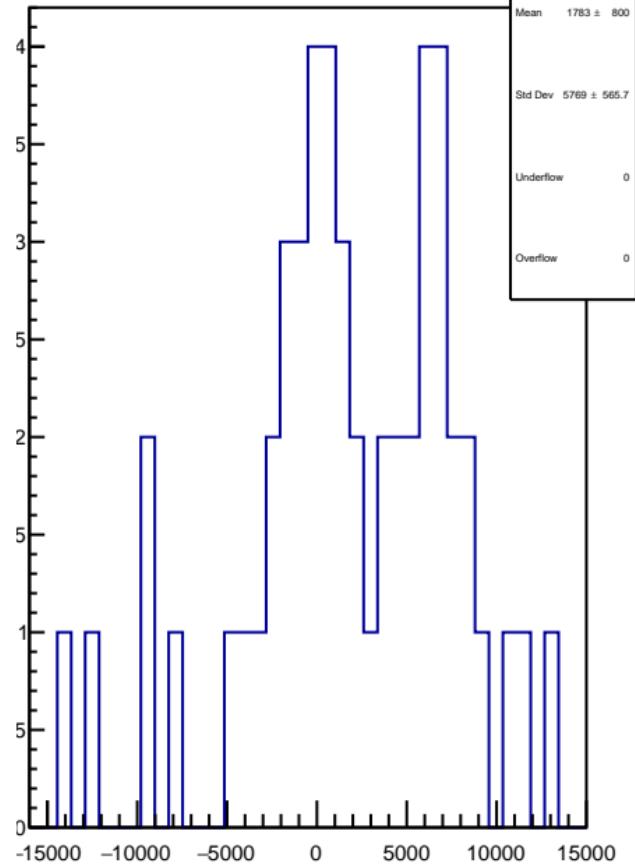
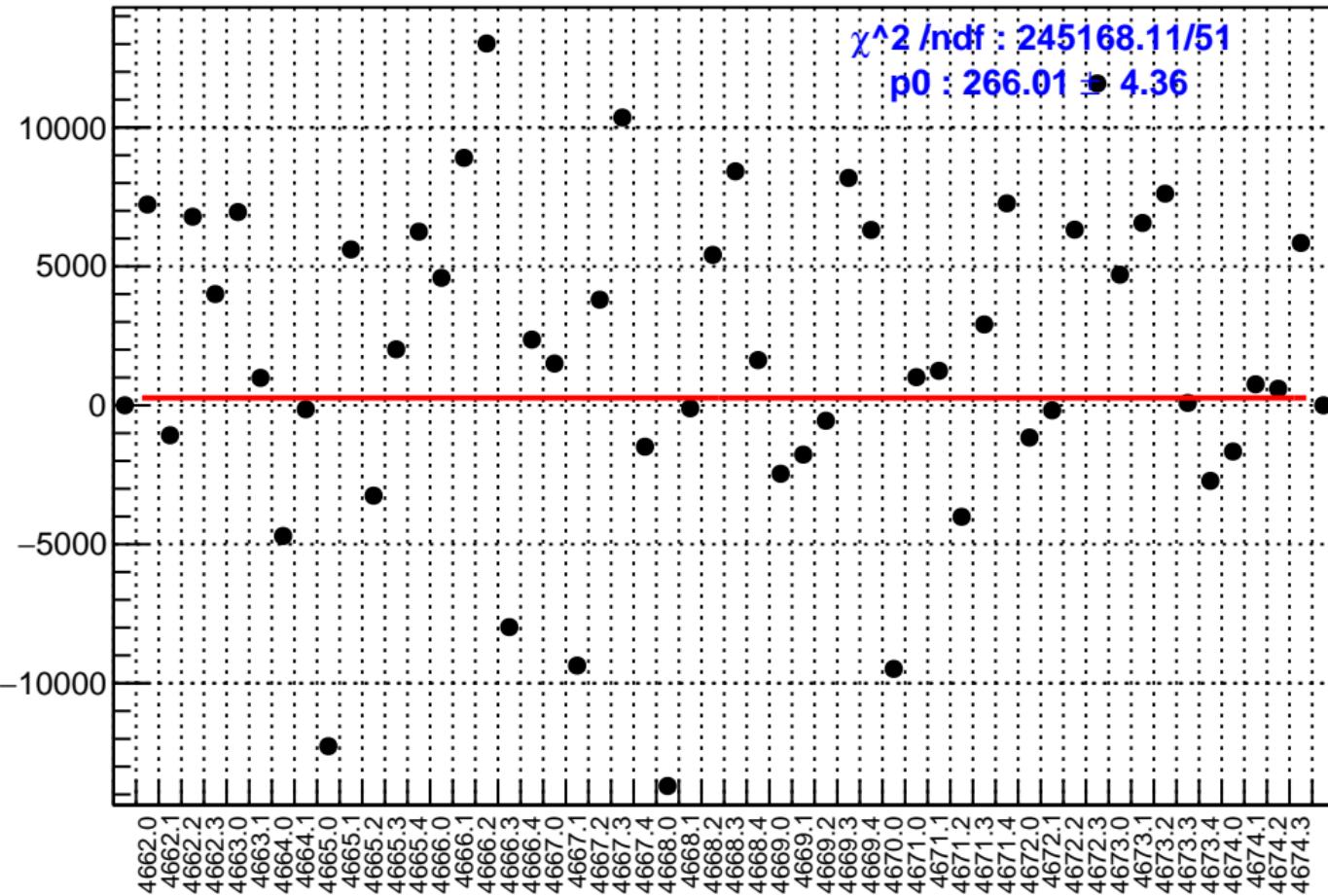


1D pull distribution

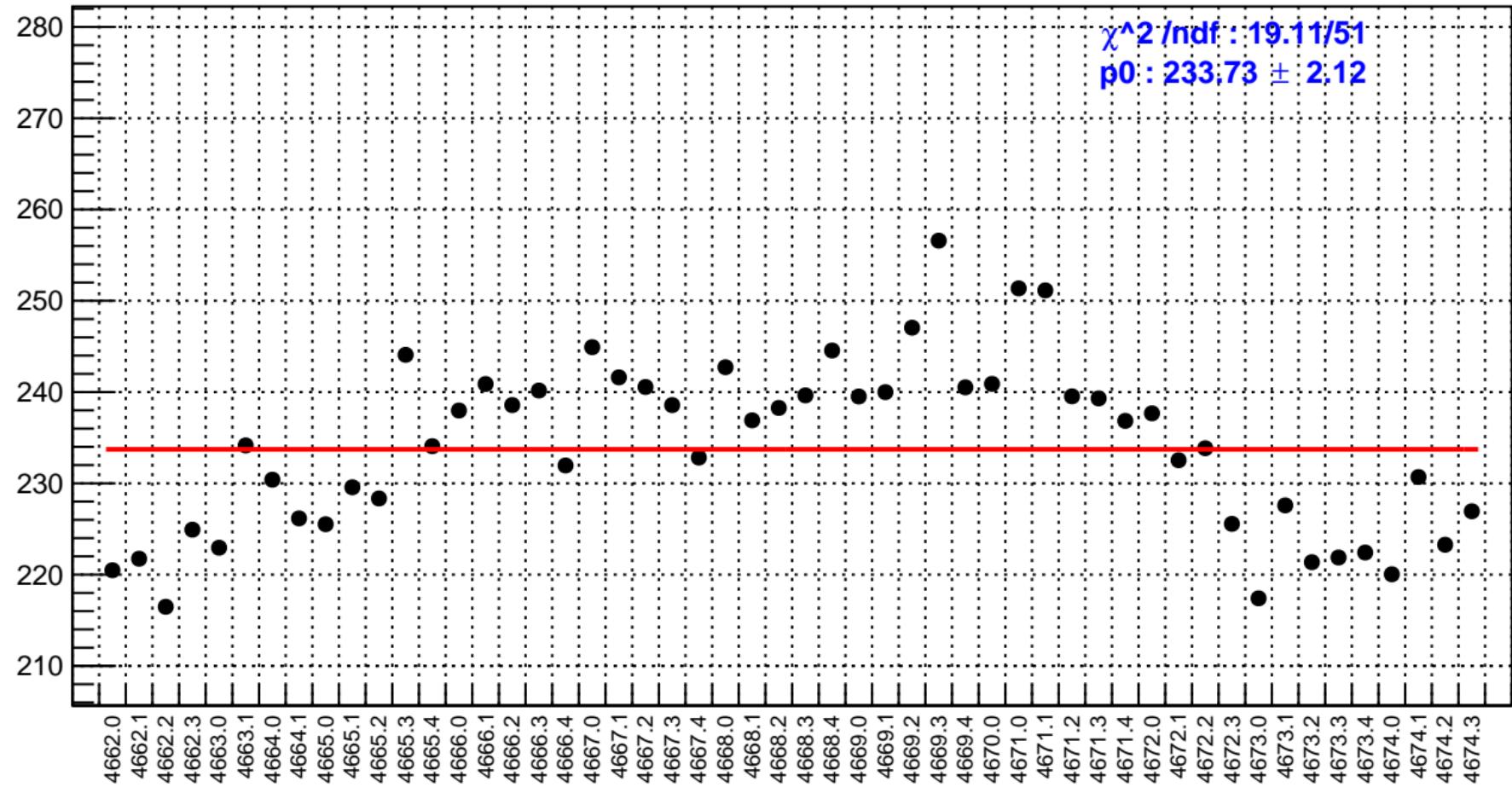


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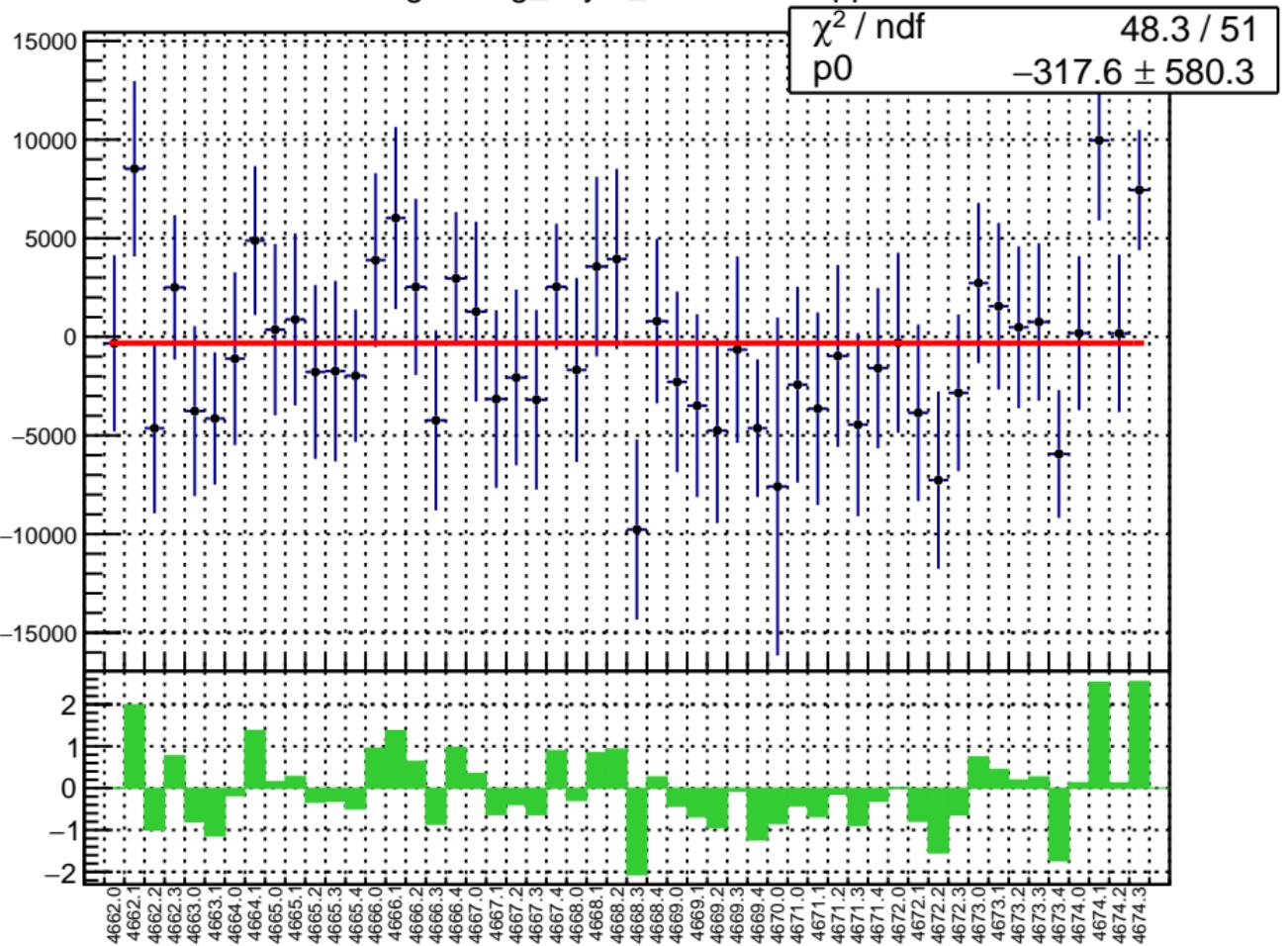
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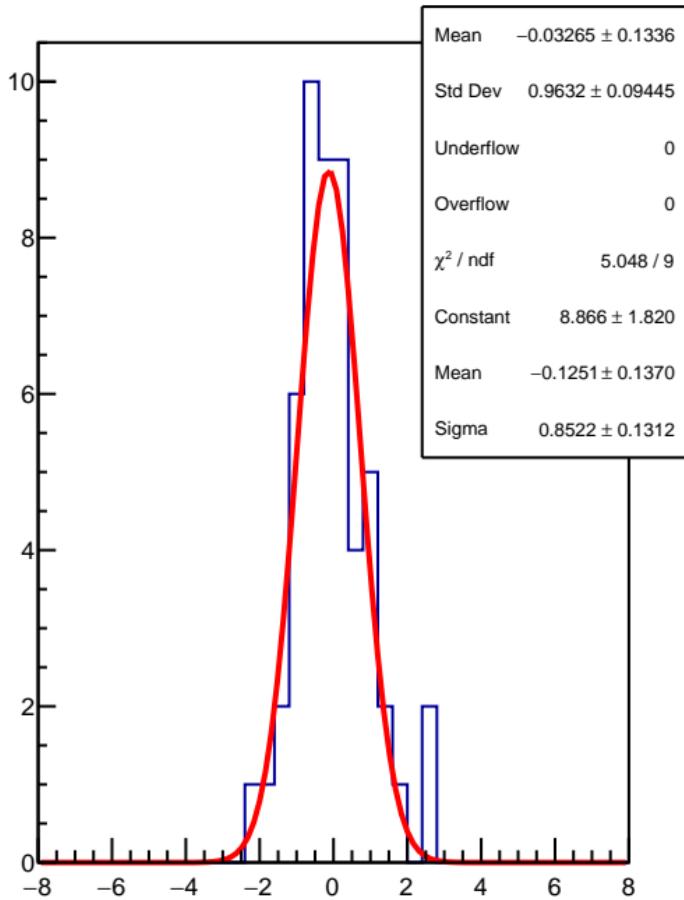
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slug73: reg_asym_sam6.mean/ppb

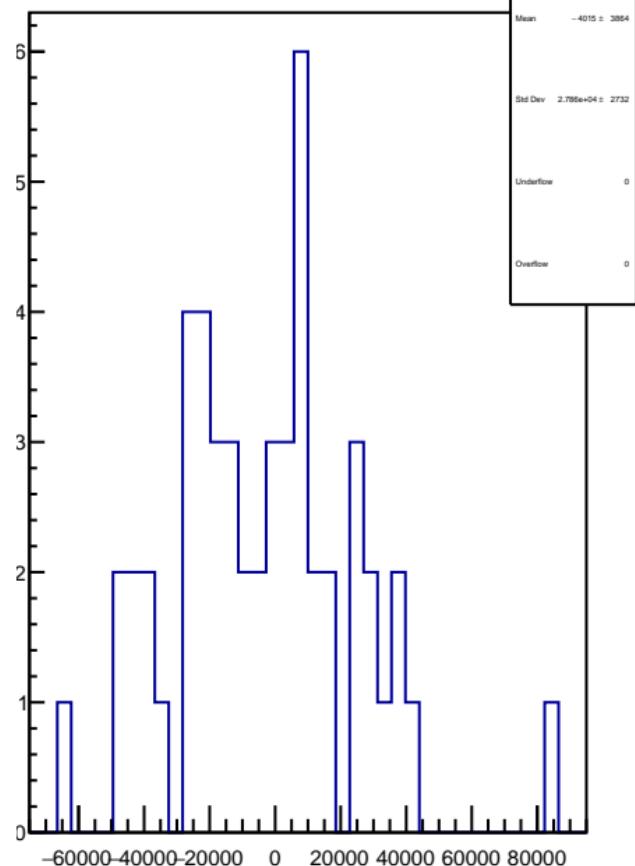
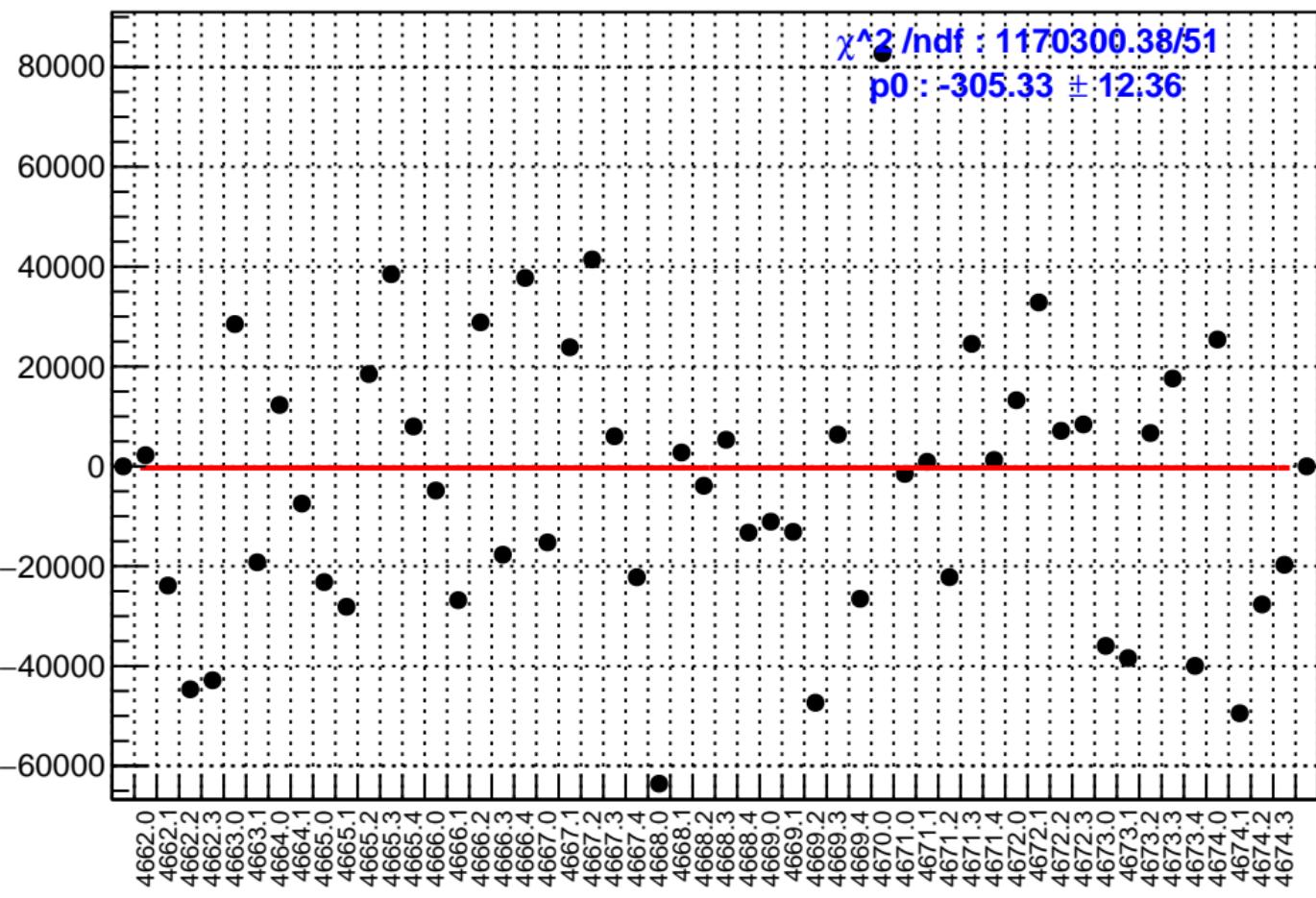


1D pull distribution

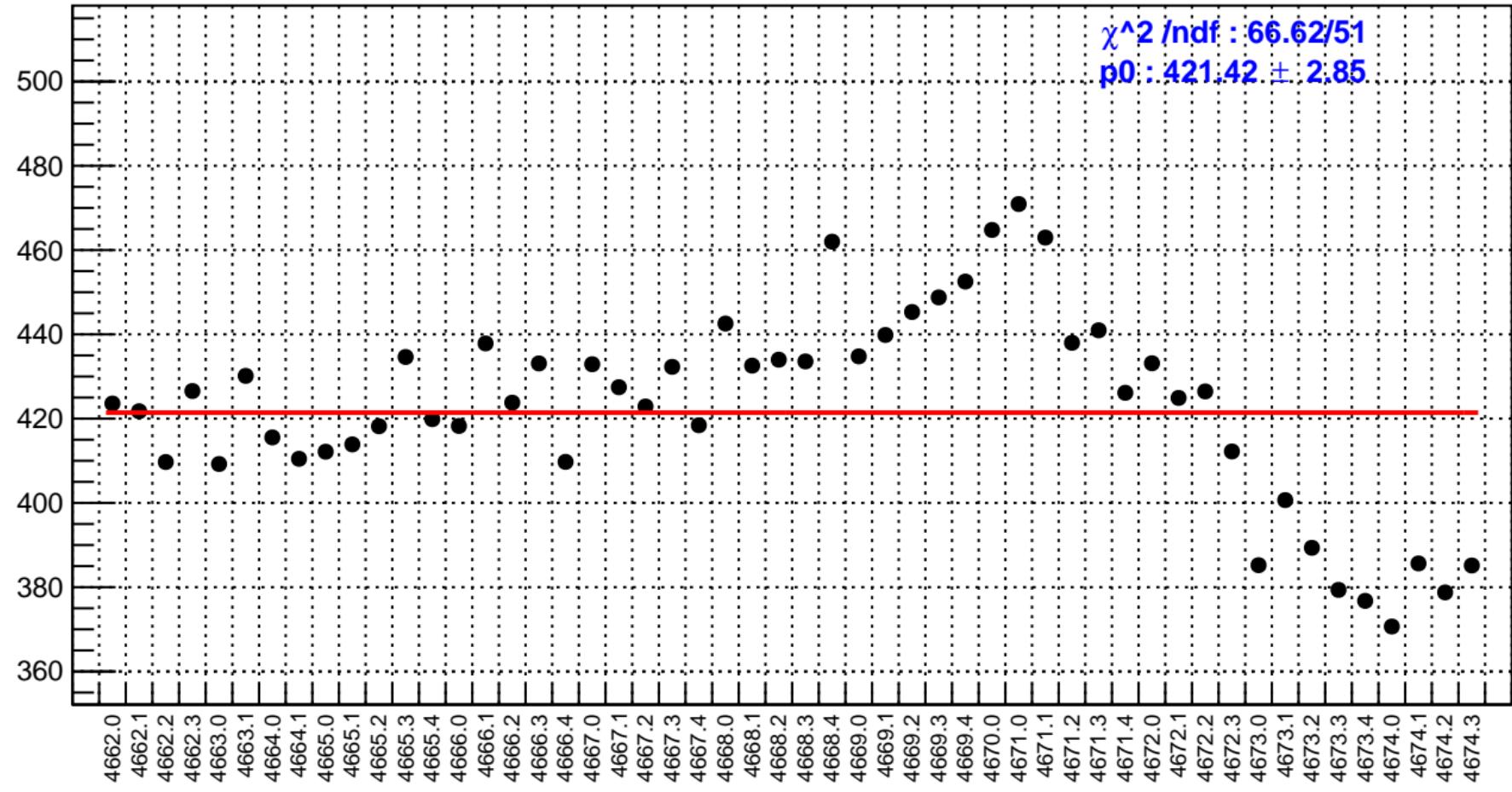


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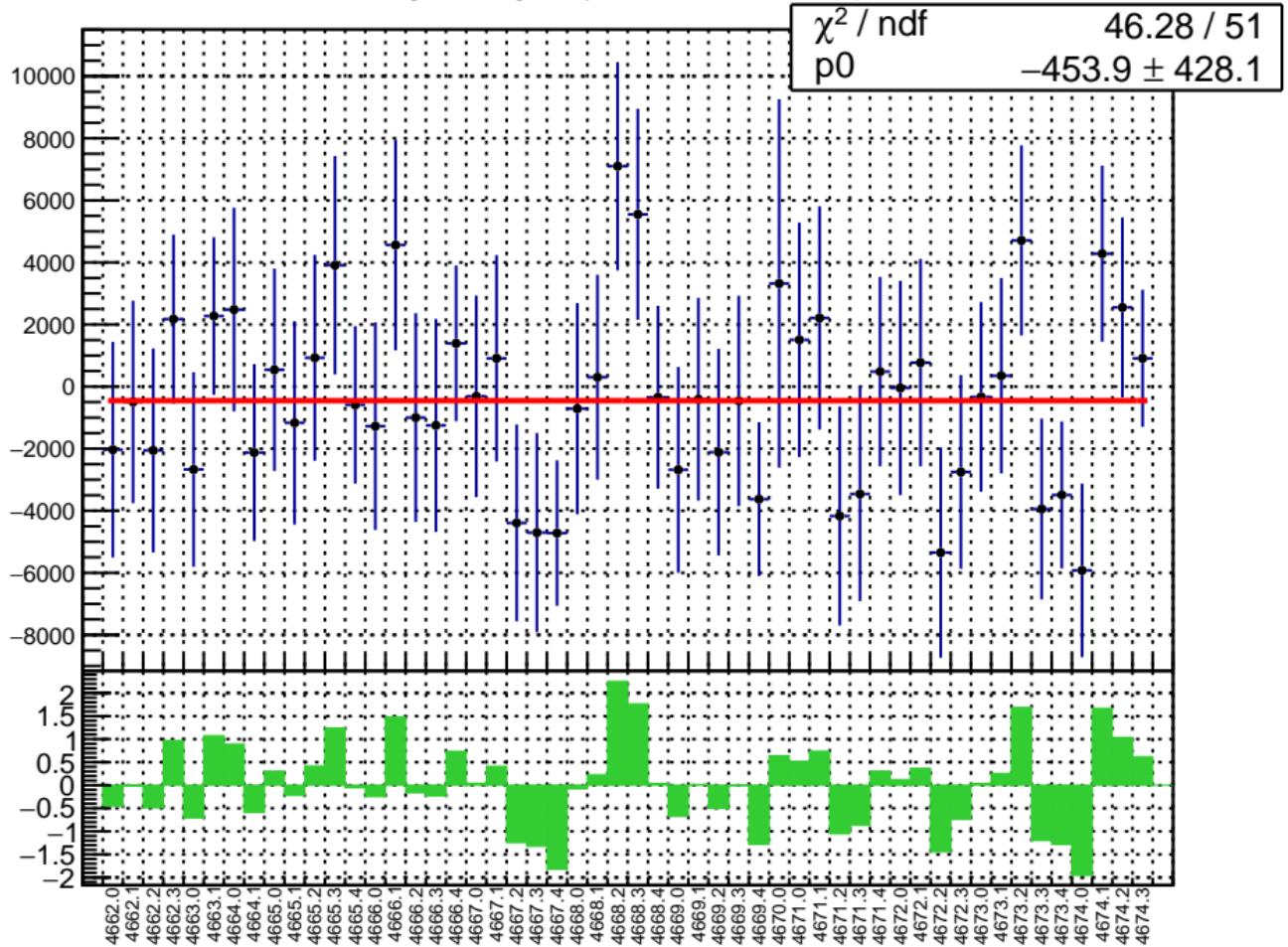
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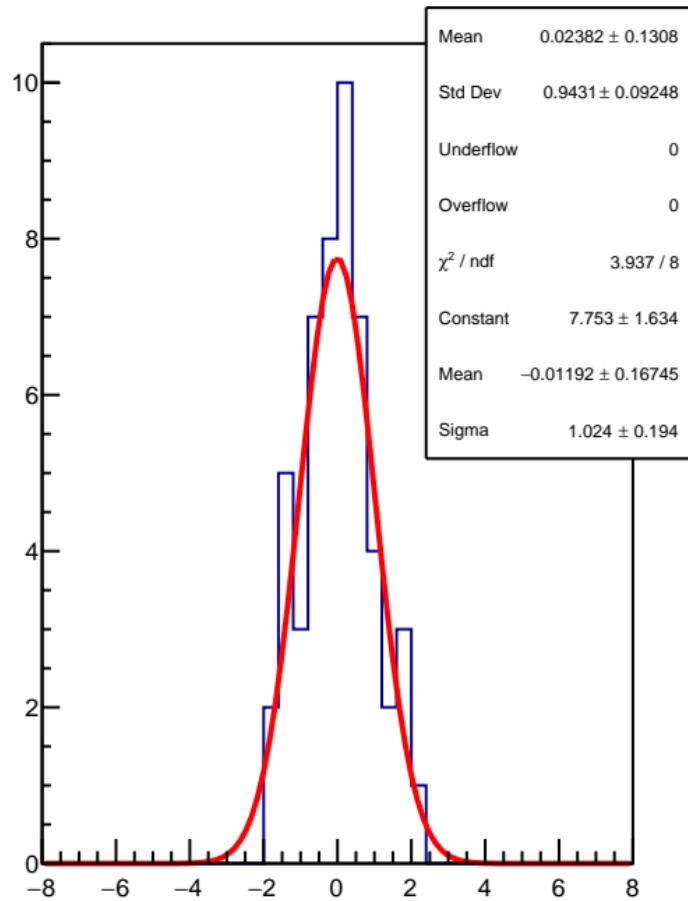
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slug73: reg_asym_sam7.mean/ppb

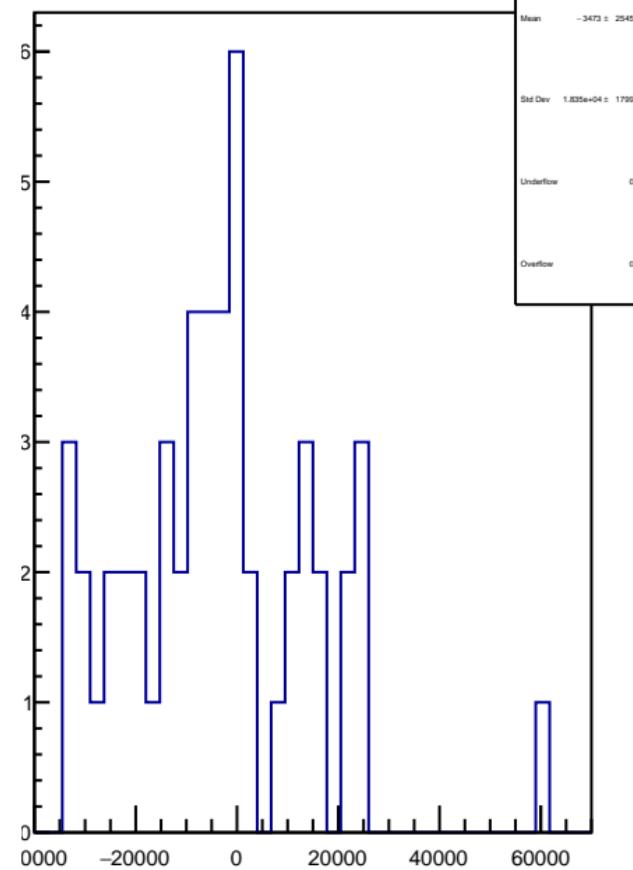
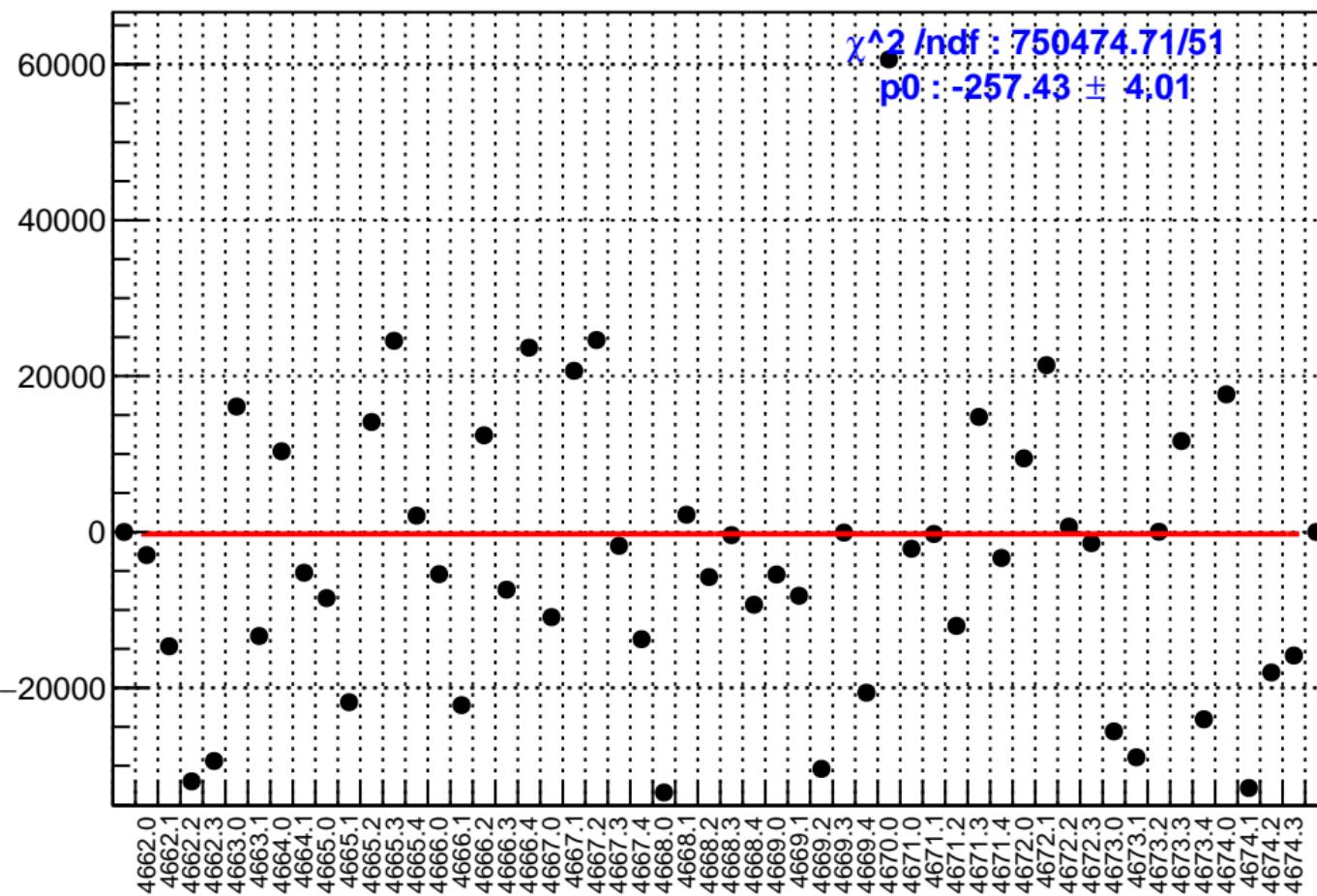


1D pull distribution

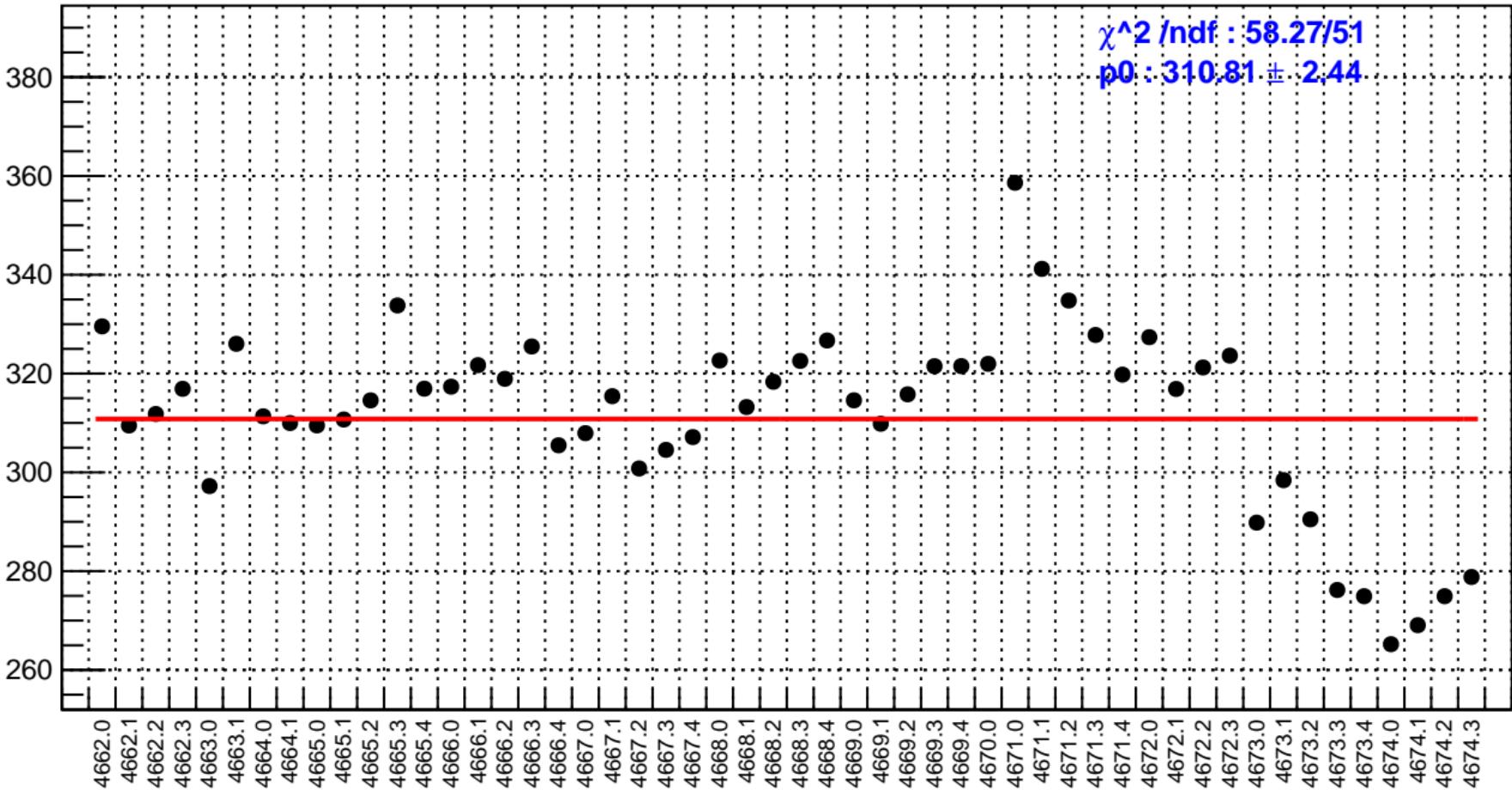


slug73: asym_sam7.mean/ppb-reg_asym_sam7.mean/ppb

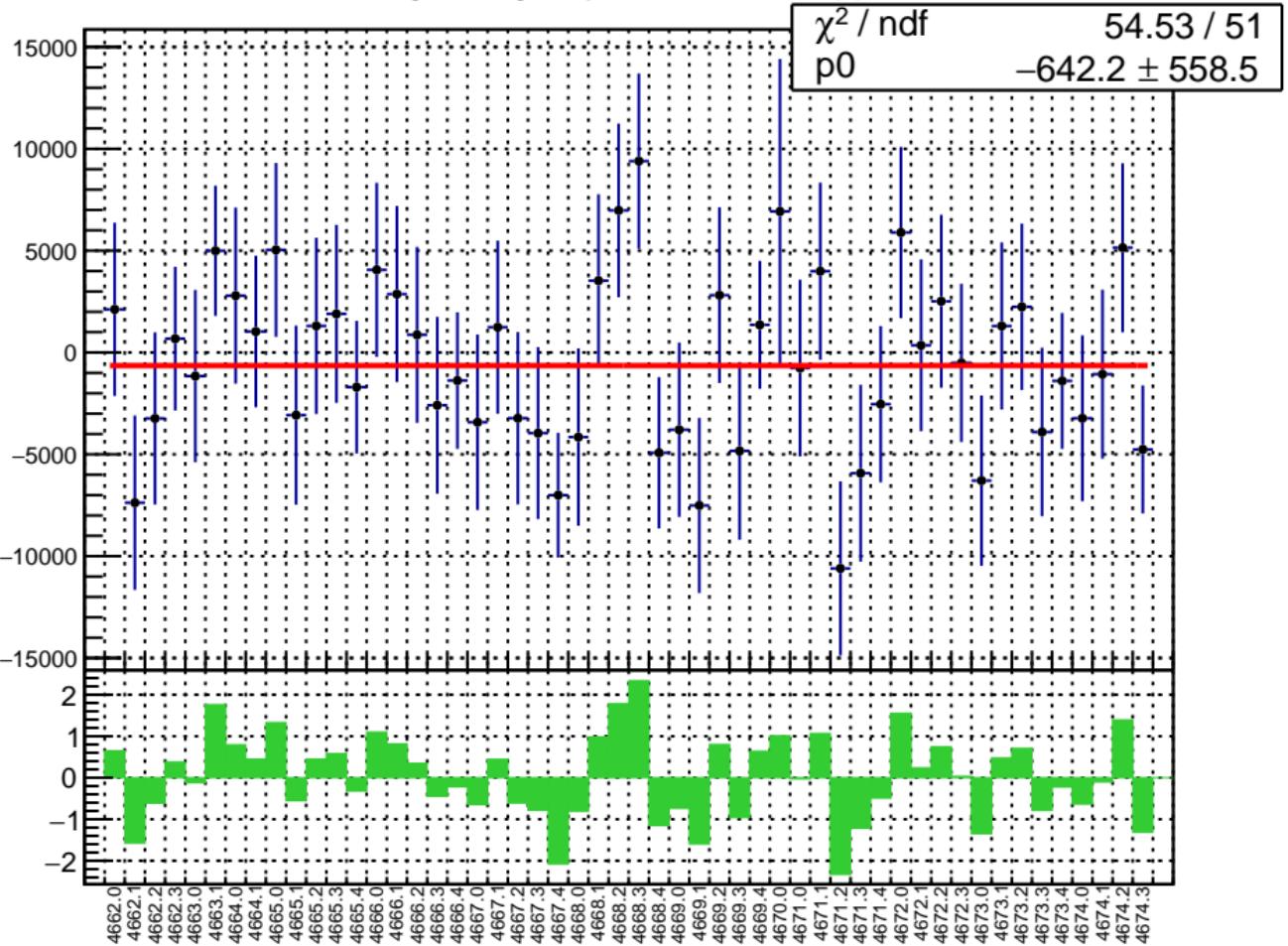
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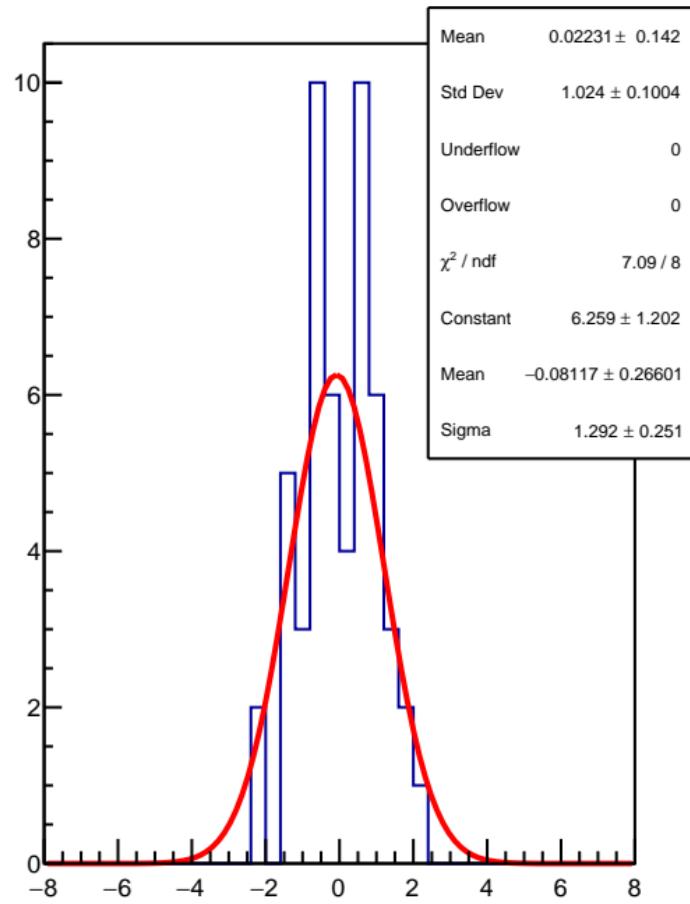
slug73: reg_asym_sam7.rms/ppm



slug73: reg_asym_sam8.mean/ppb

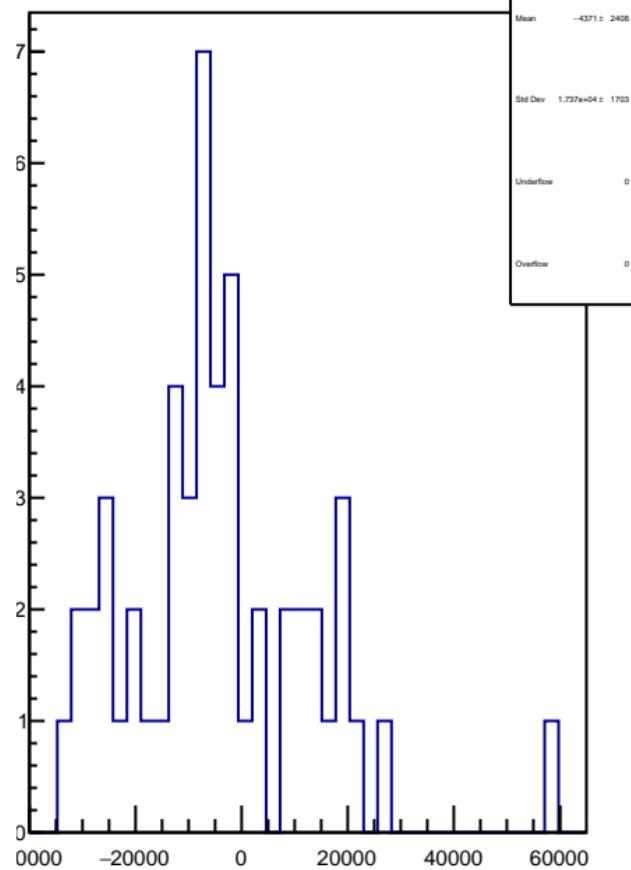
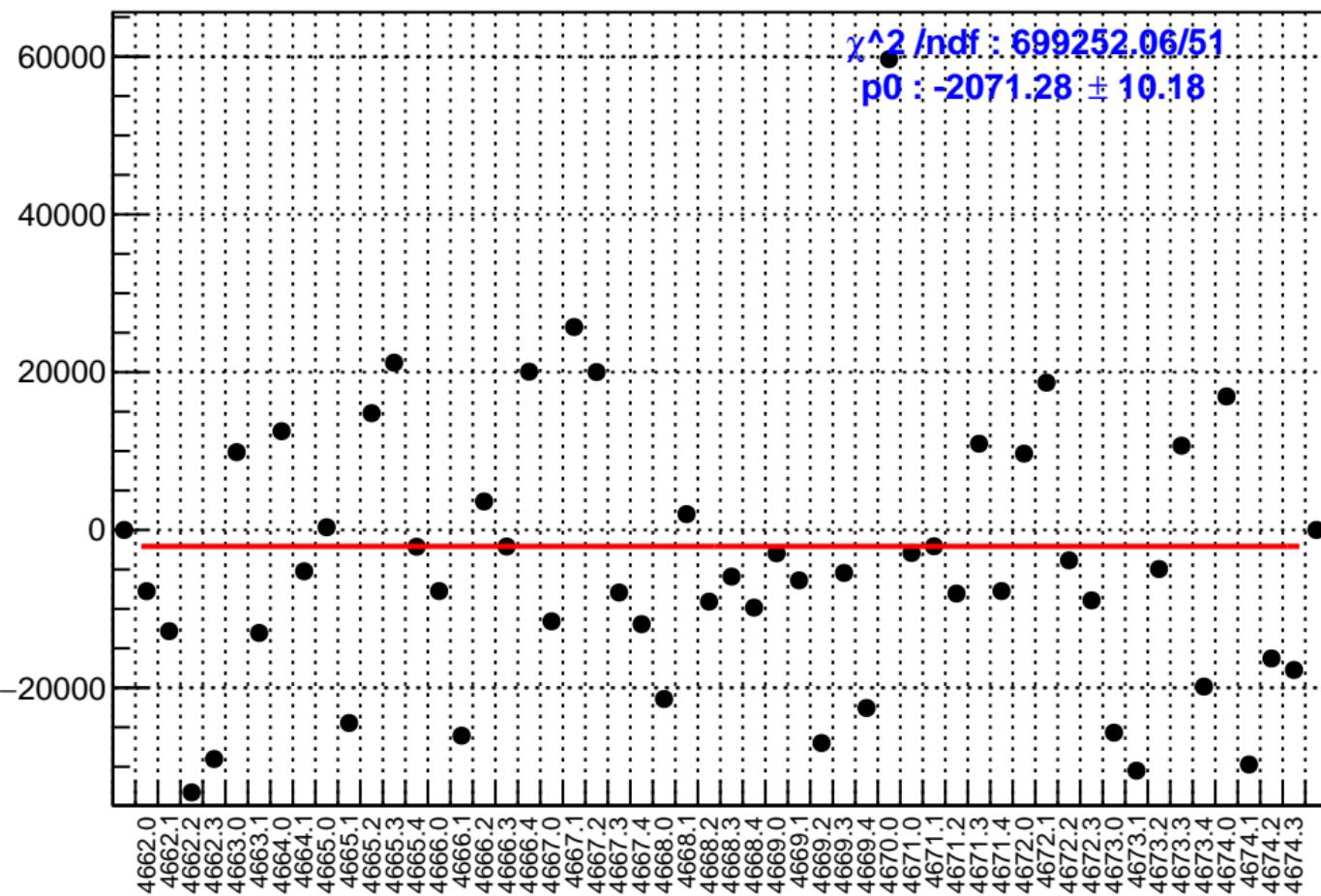


1D pull distribution



slug73: asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb

slug73: 1D Corr asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb



slug73: reg_asym_sam8.rms/ppm

