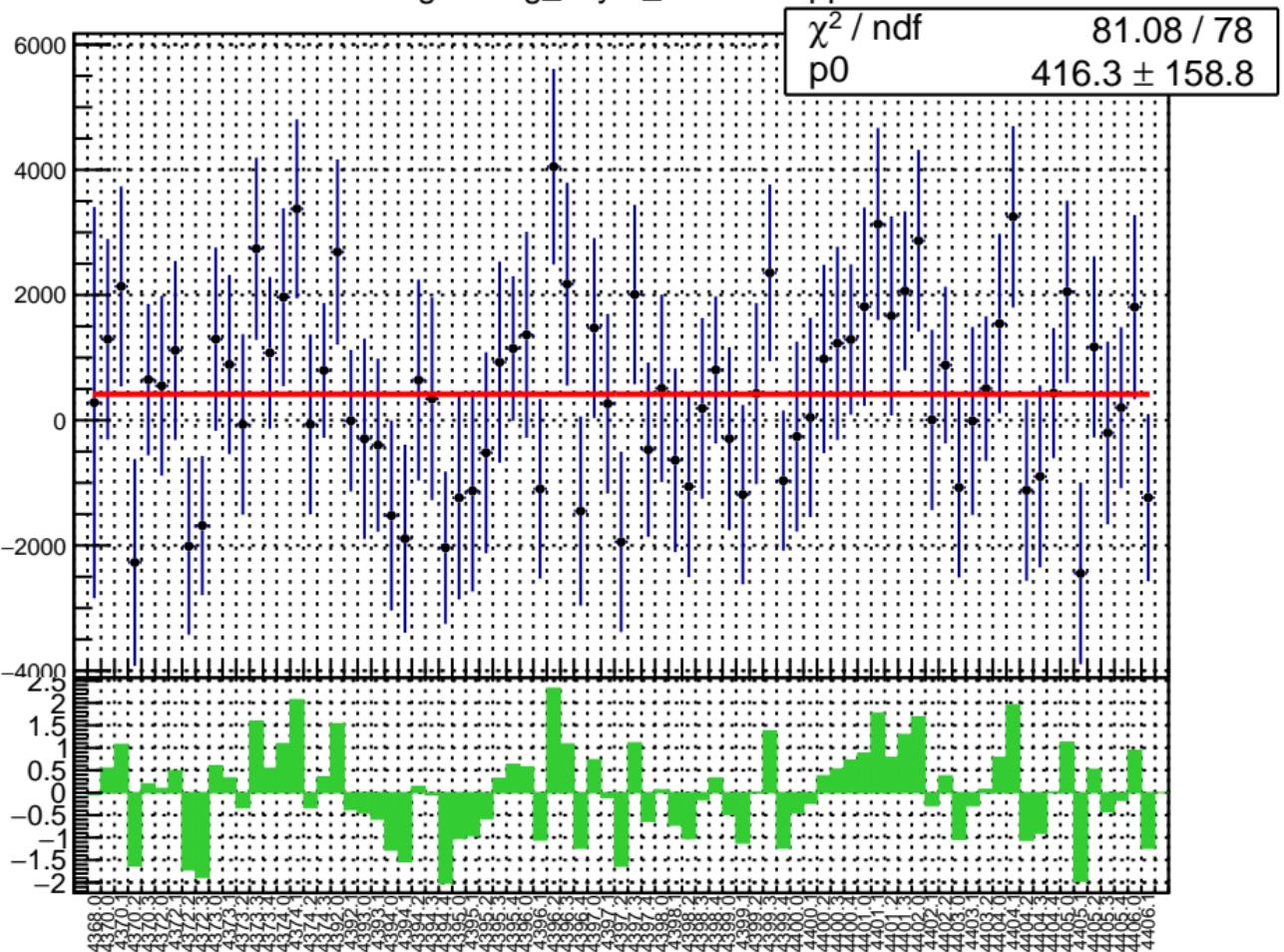
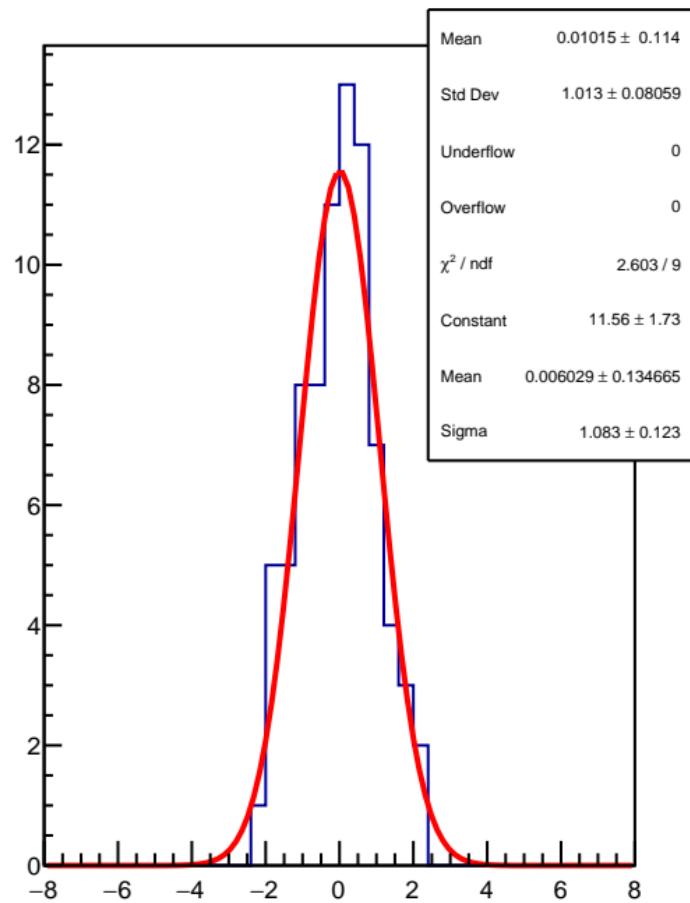


slug59: reg_asym_usl.mean/ppb

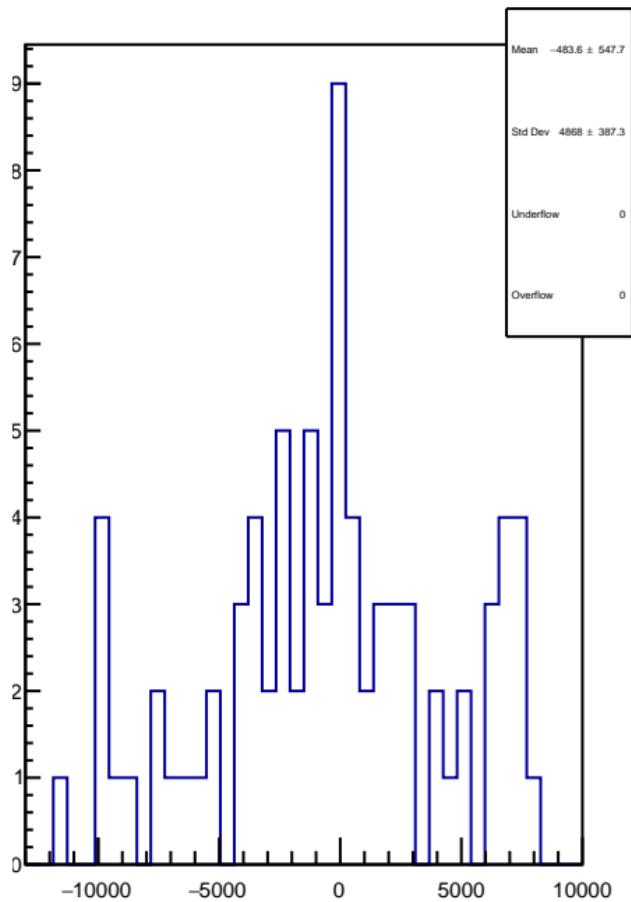
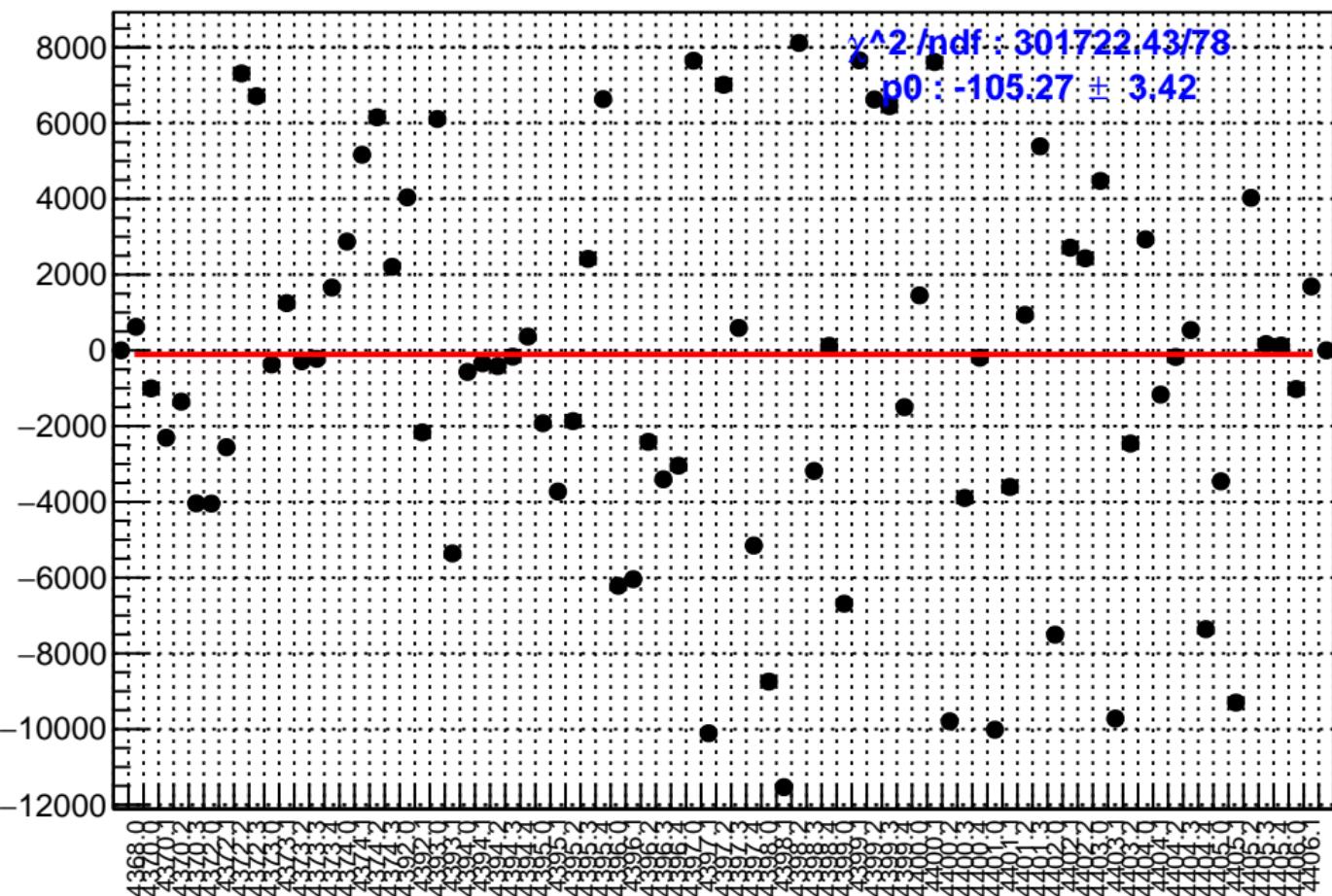


1D pull distribution

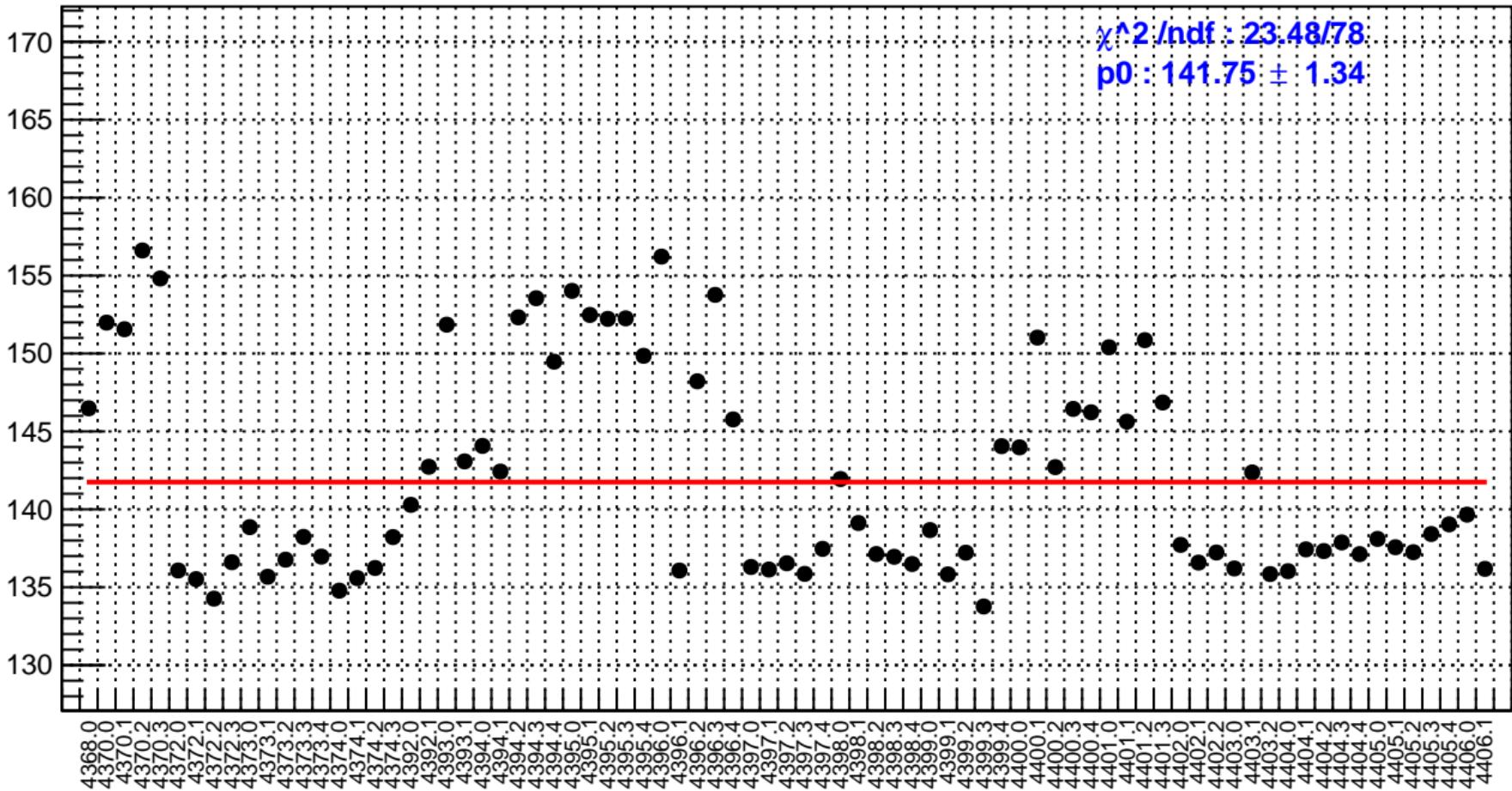


slug59: asym_usl.mean/ppb-reg_asym_usl.mean/ppb

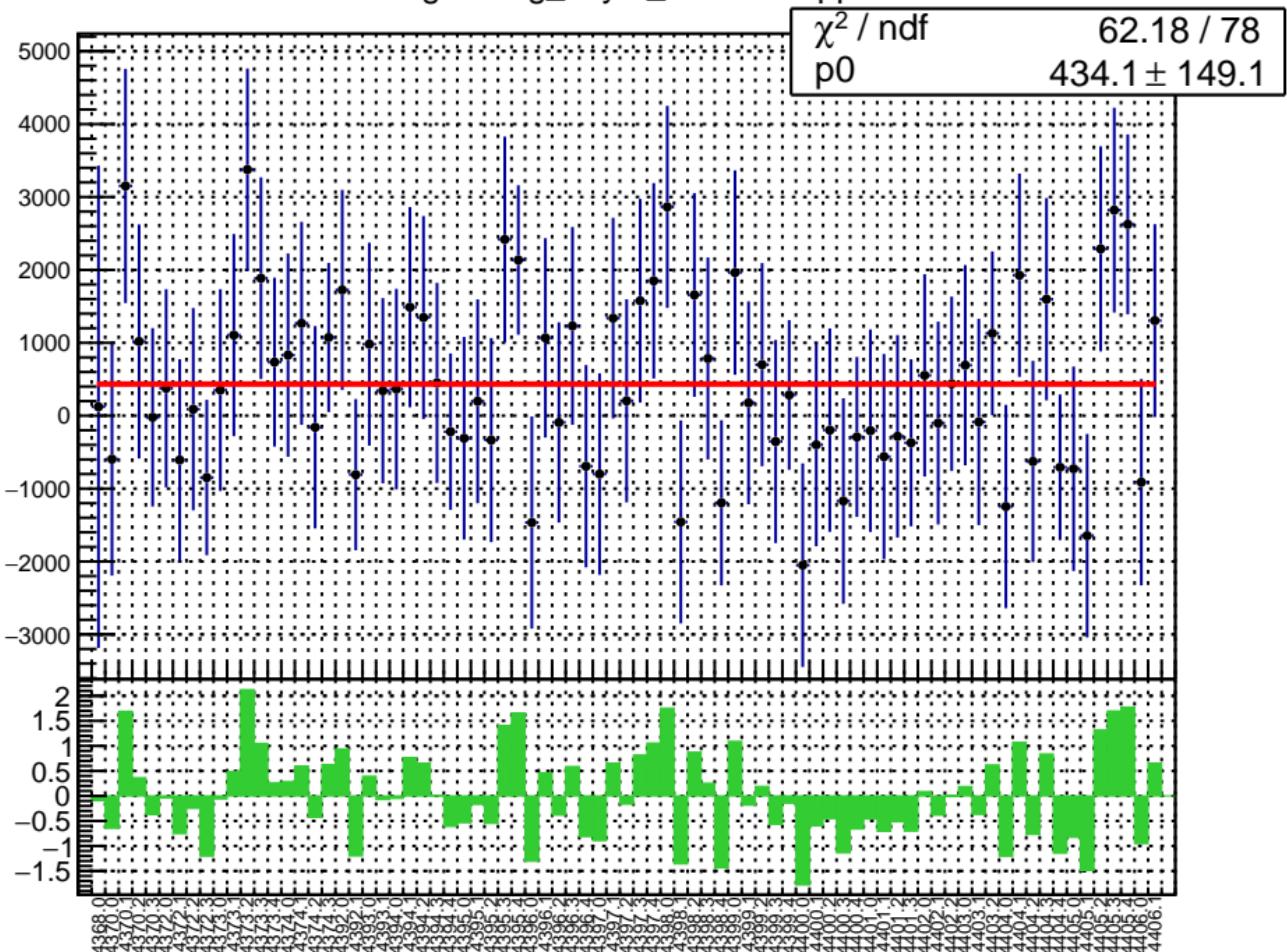
slug59: 1D Corr asym_usl.mean/ppb-reg_asym_usl.mean/ppb



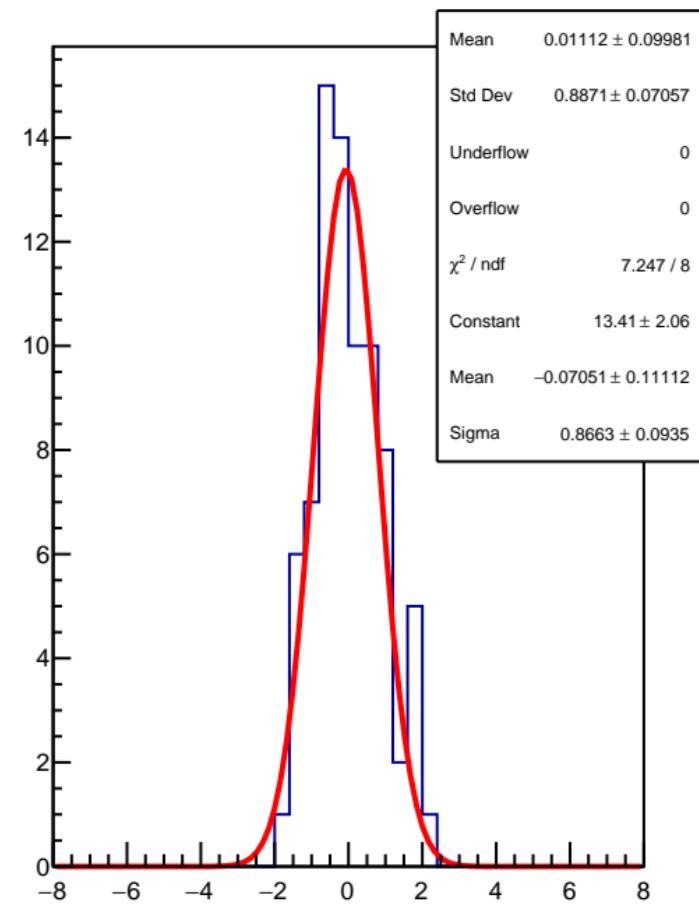
slug59: reg_asym_usl.rms/ppm



slug59: reg_asym_usr.mean/ppb

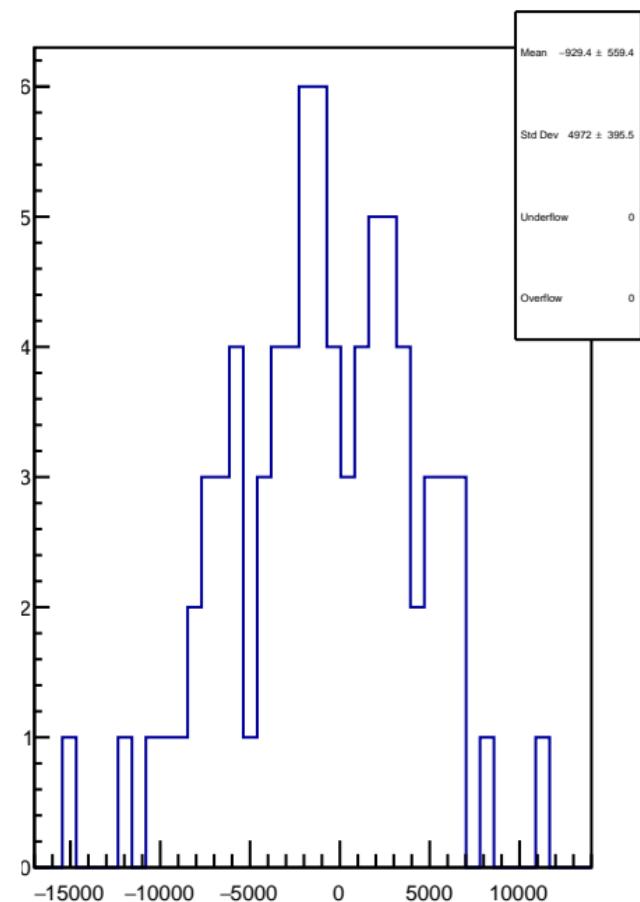
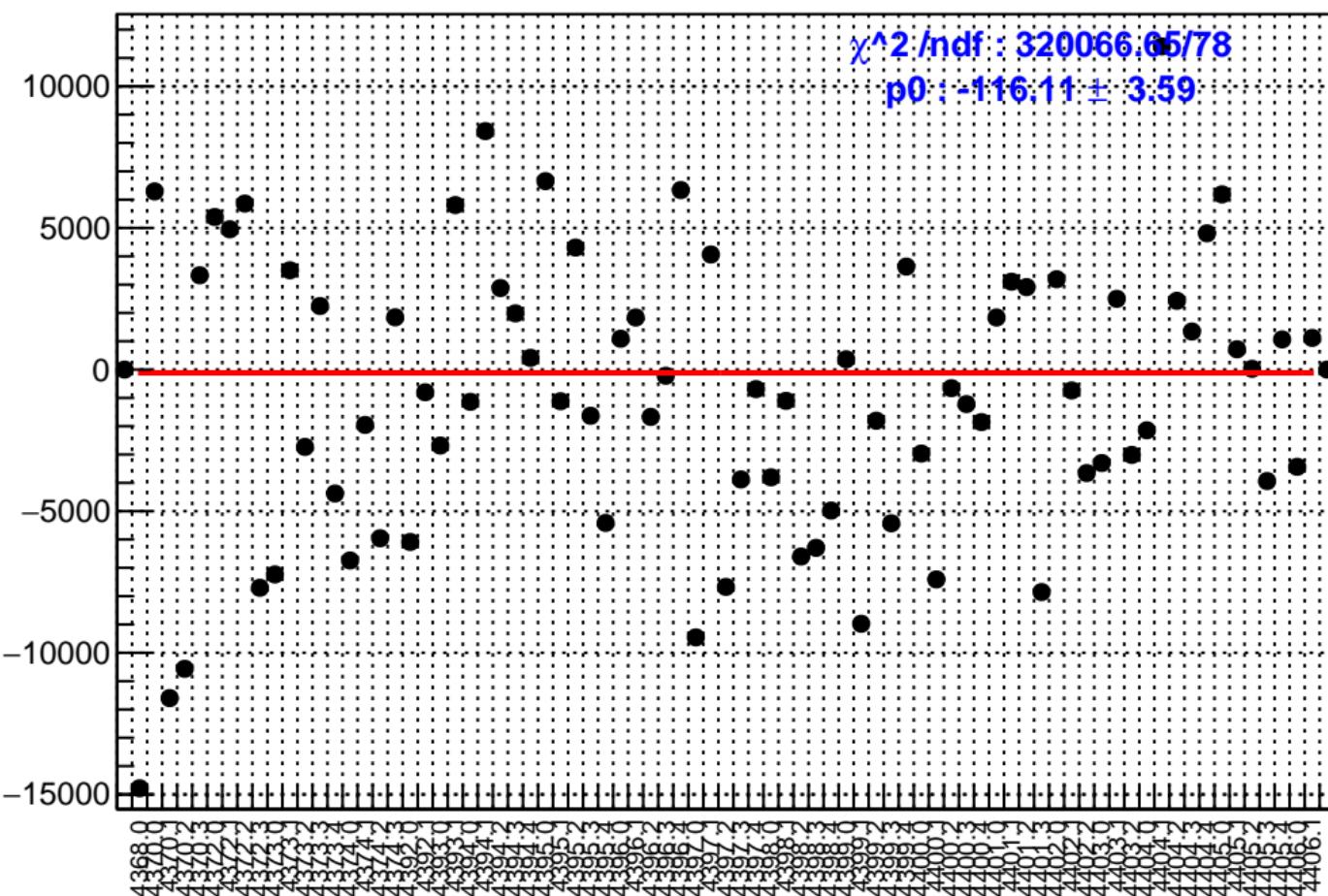


1D pull distribution

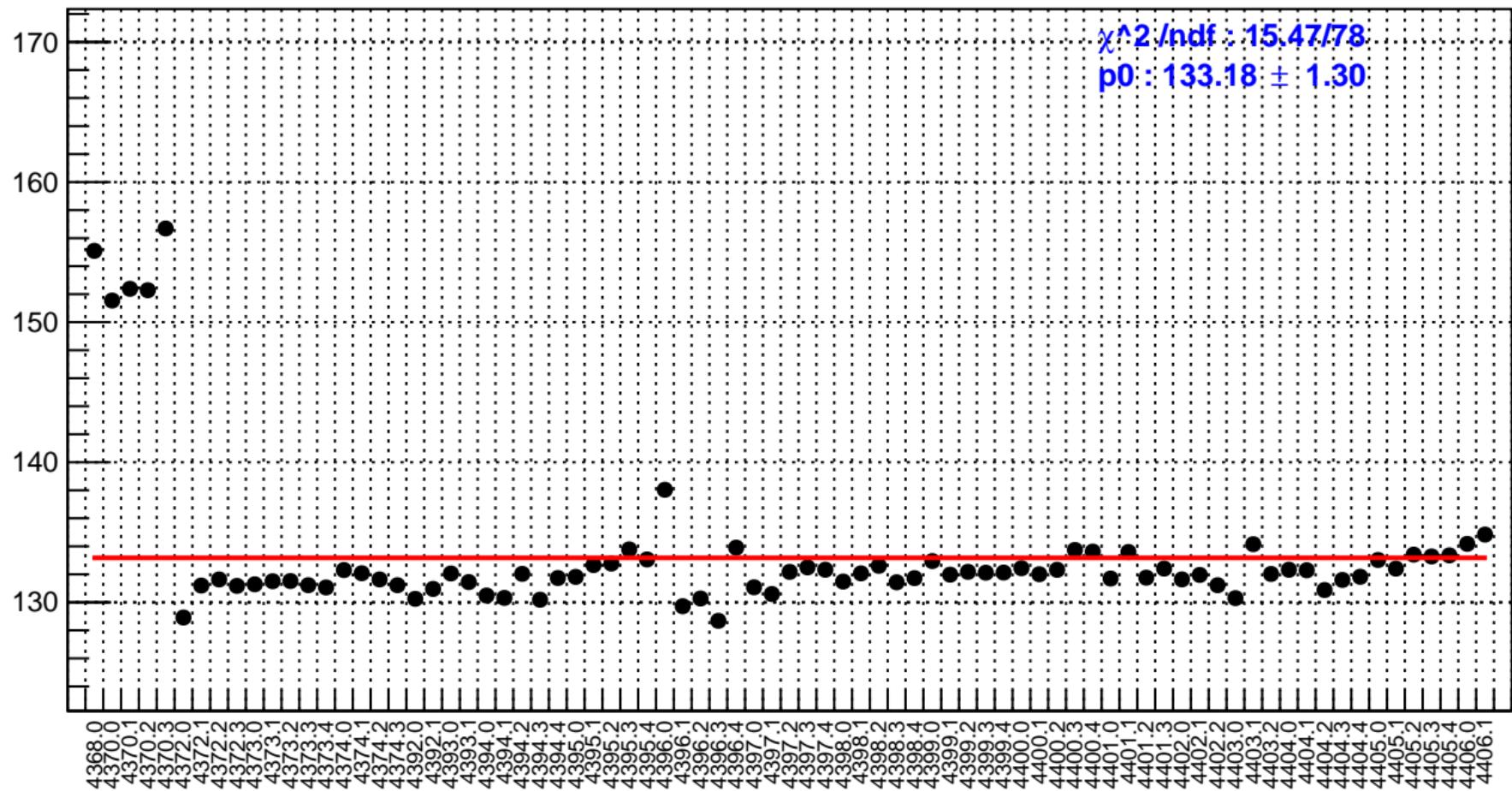


slug59: asym_usr.mean/ppb-reg_asym_usr.mean/ppb

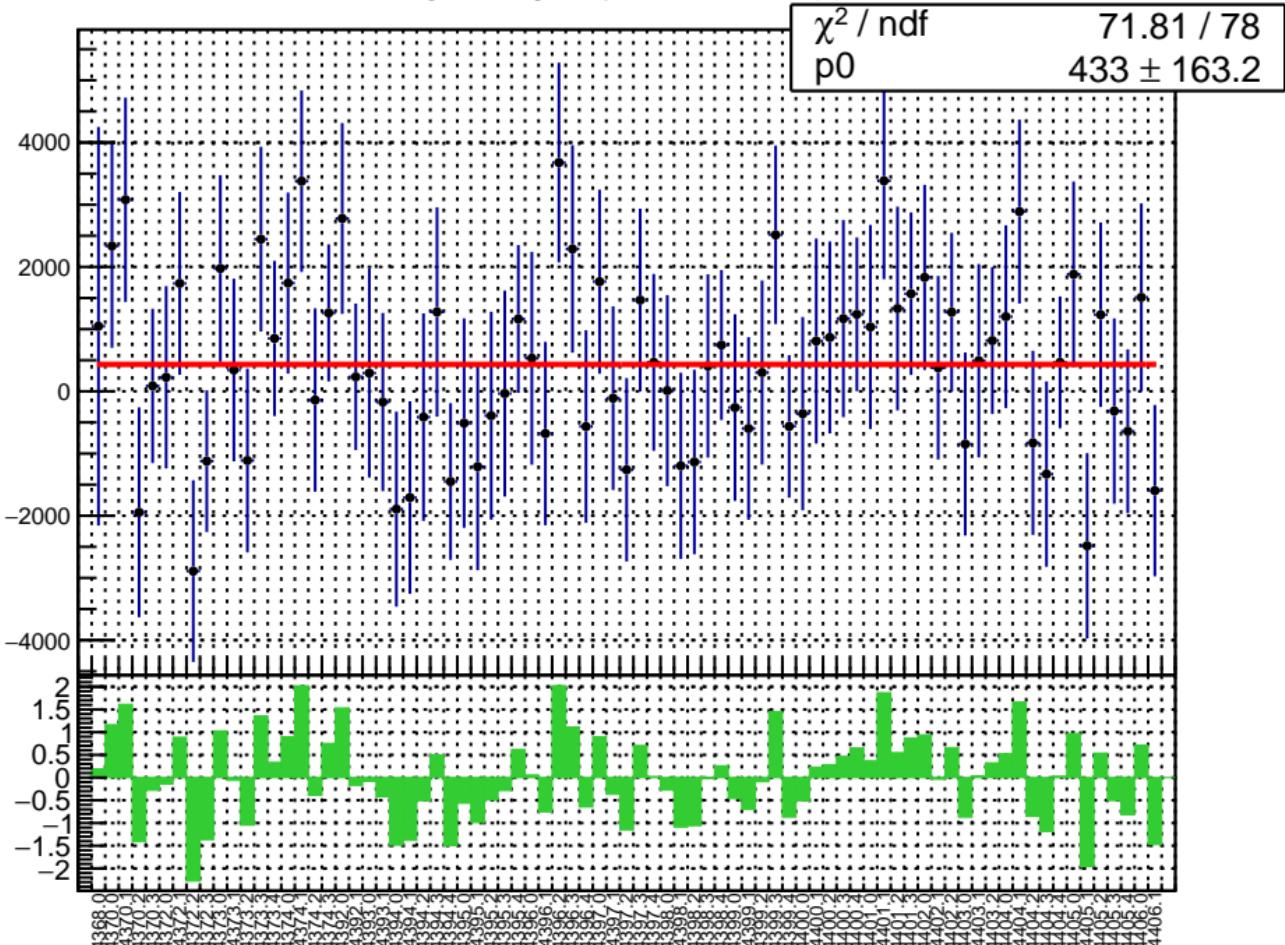
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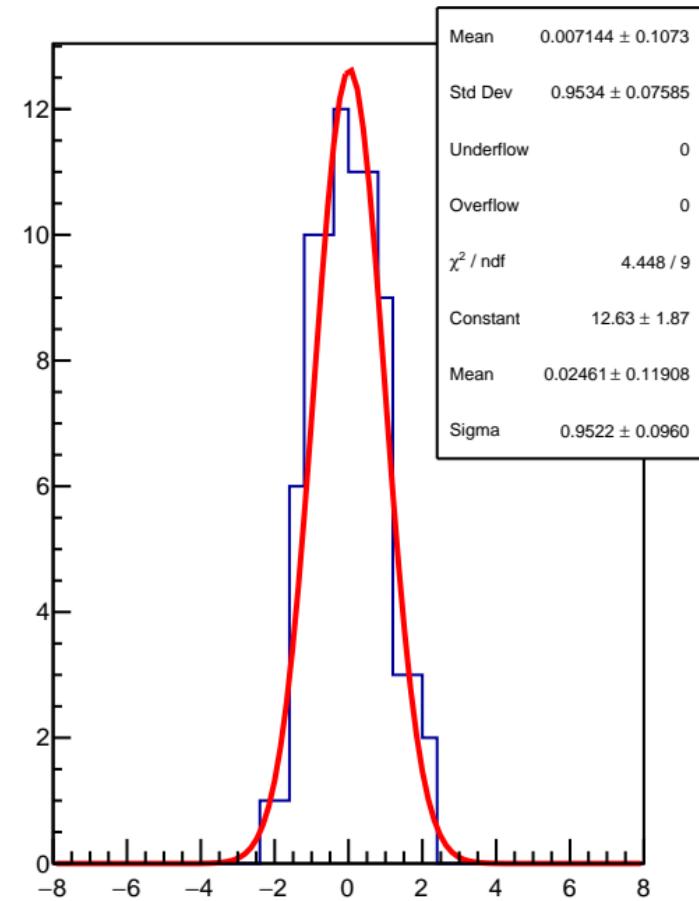
slug59: reg_asym_usr.rms/ppm



slug59: reg_asym_dsl.mean/ppb

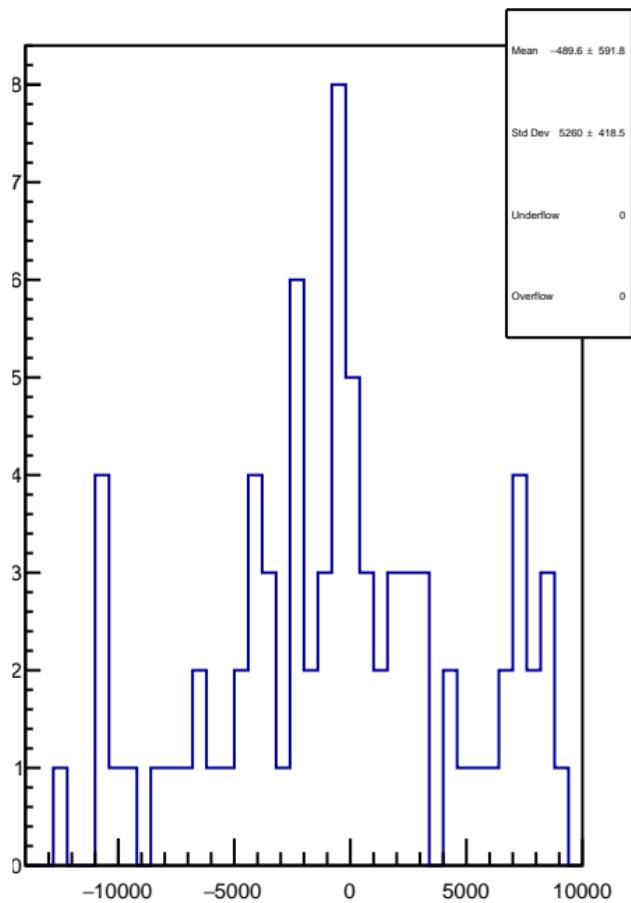
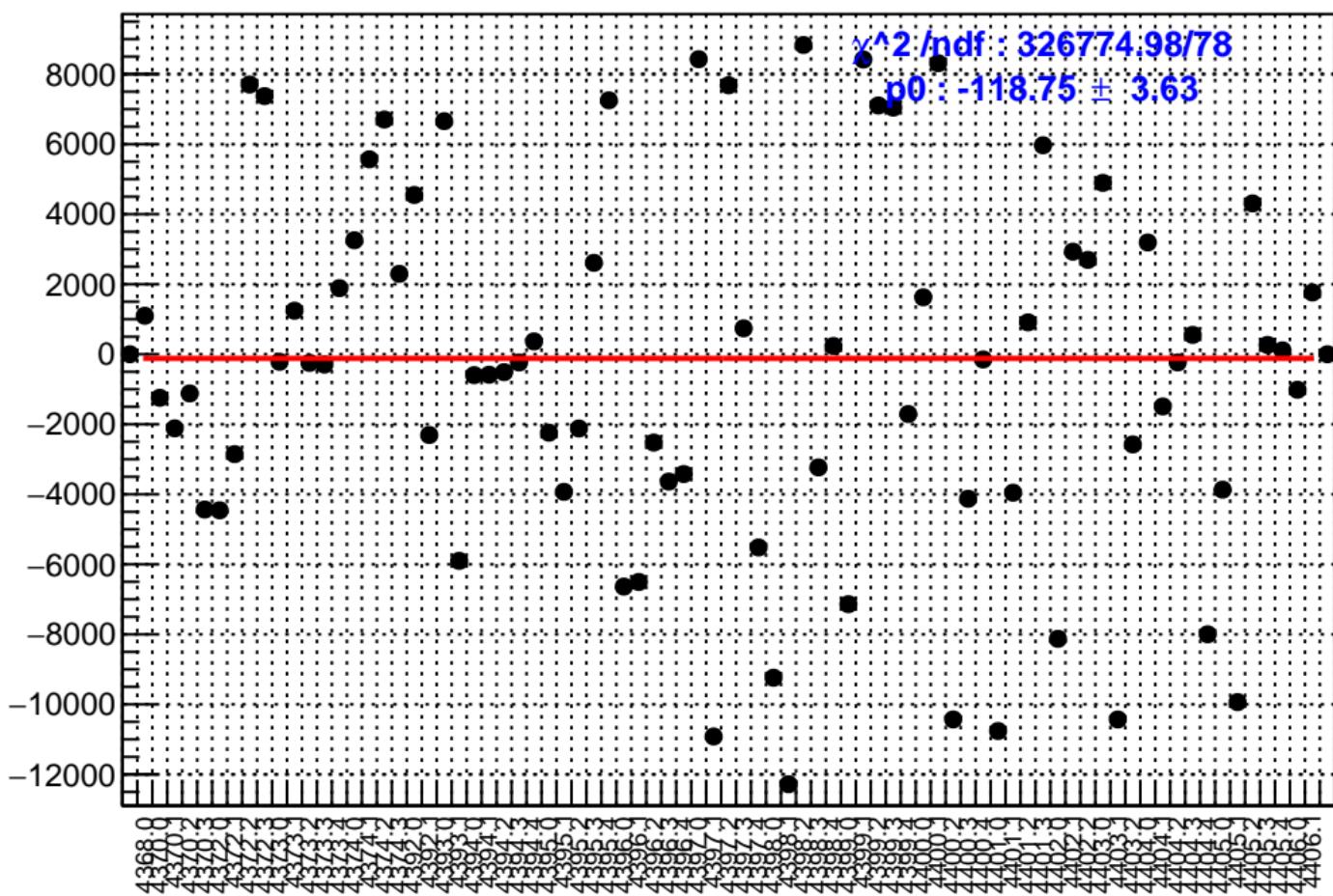


1D pull distribution

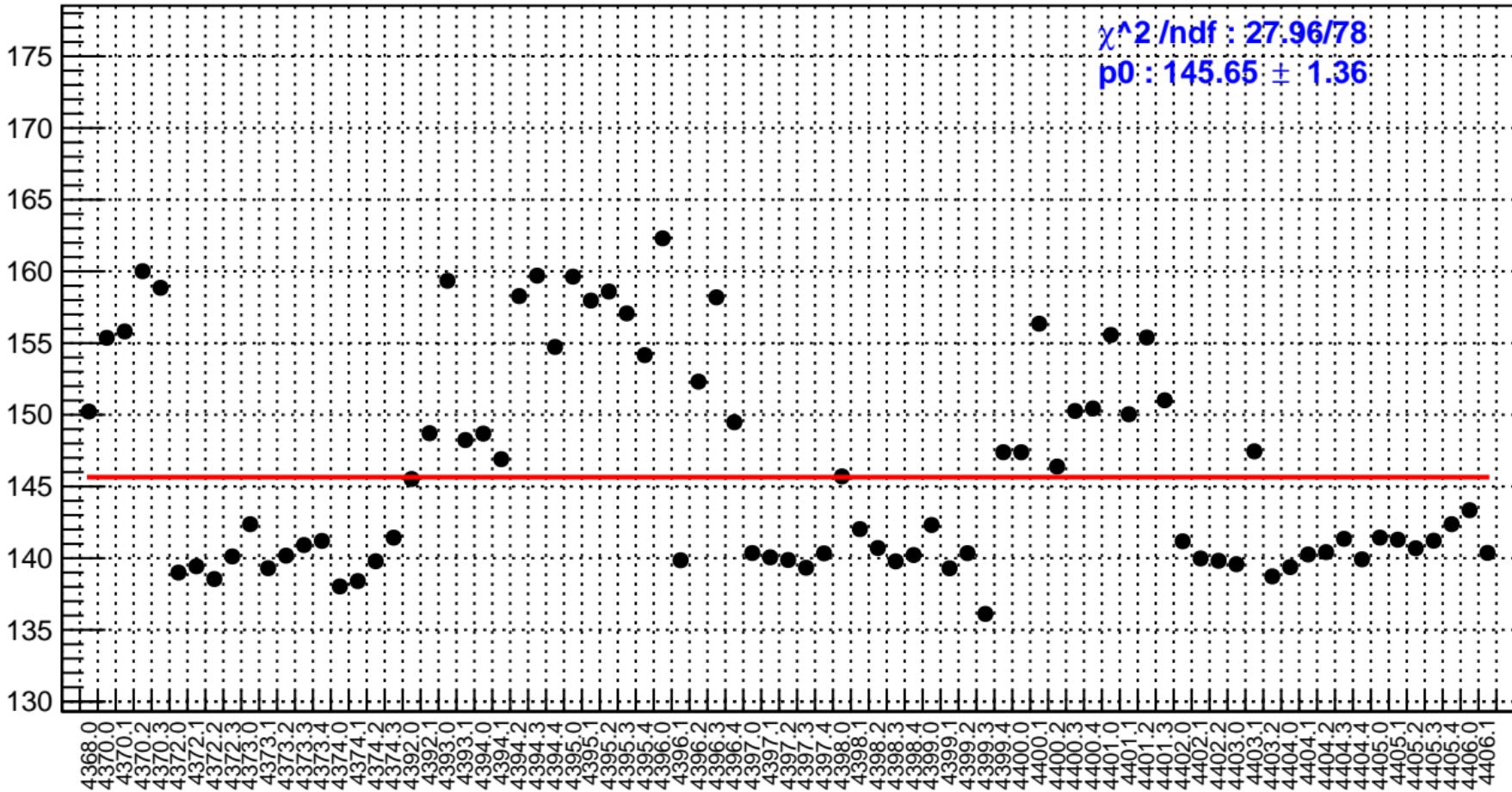


slug59: asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb

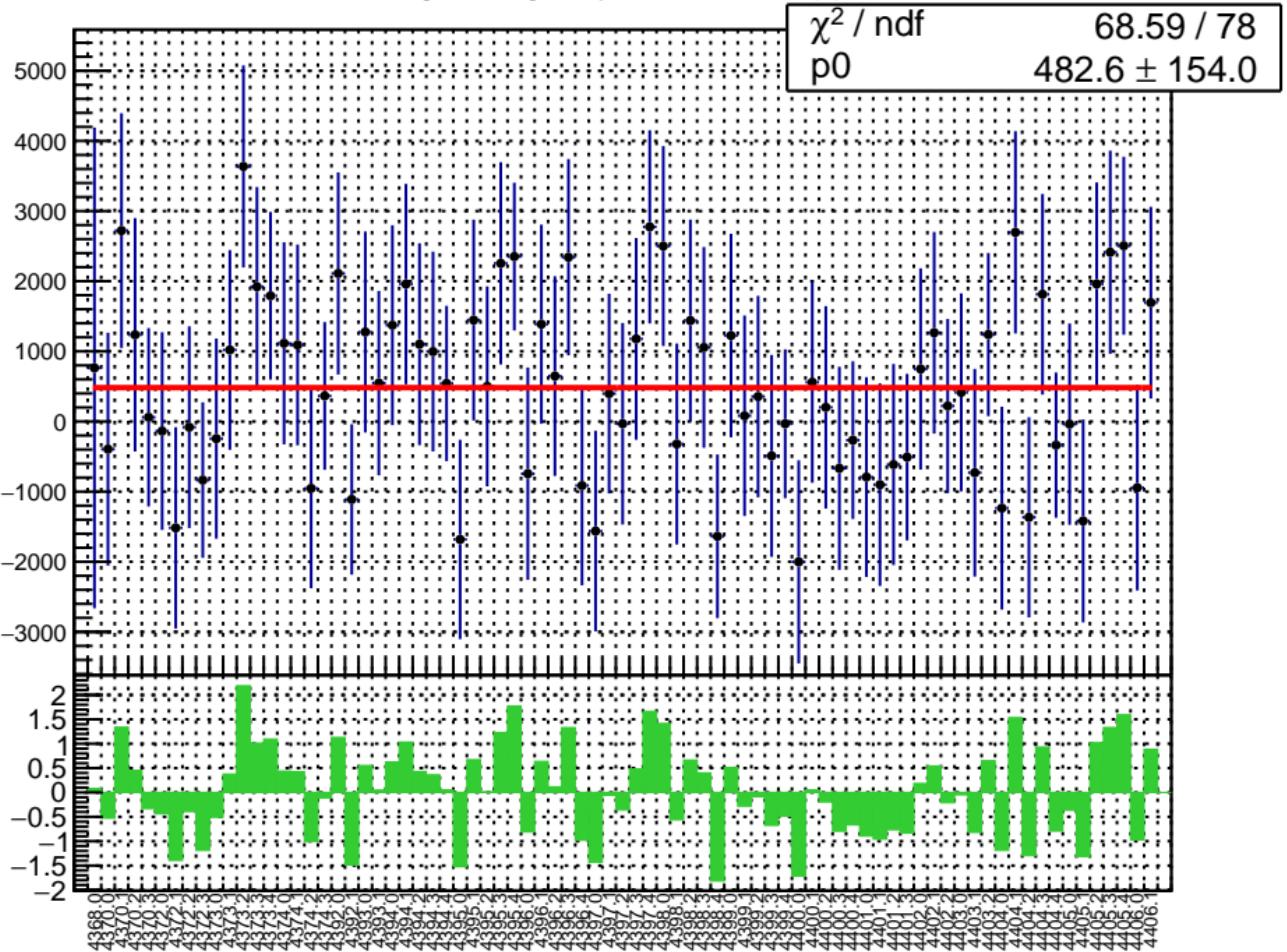
slug59: 1D Corr asym_dsl.mean/ppb-reg_asym_dsl.mean/ppb



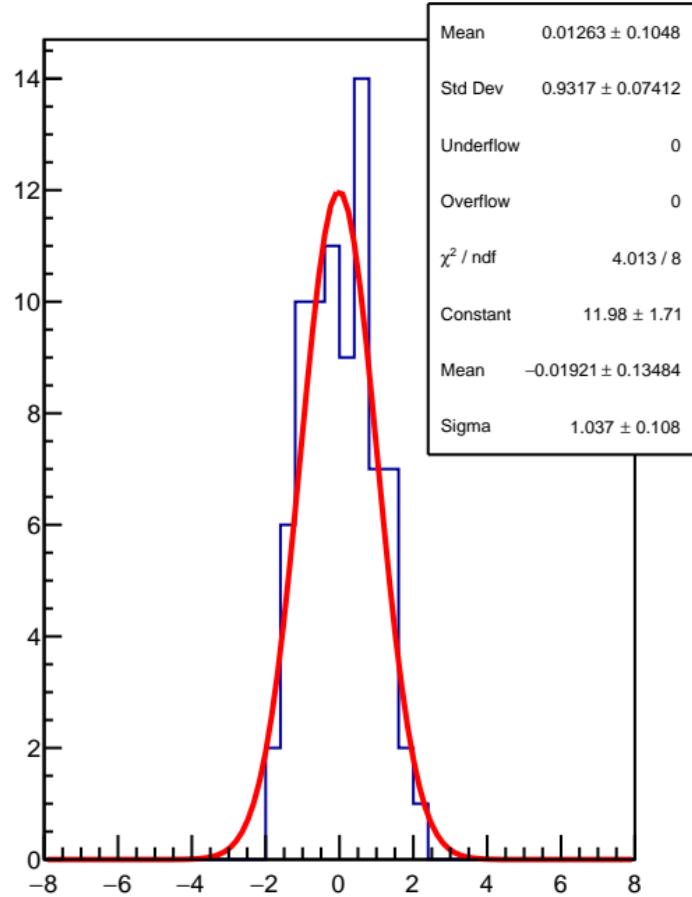
slug59: reg_asym_dsl.rms/ppm



slug59: reg_asym_dsr.mean/ppb

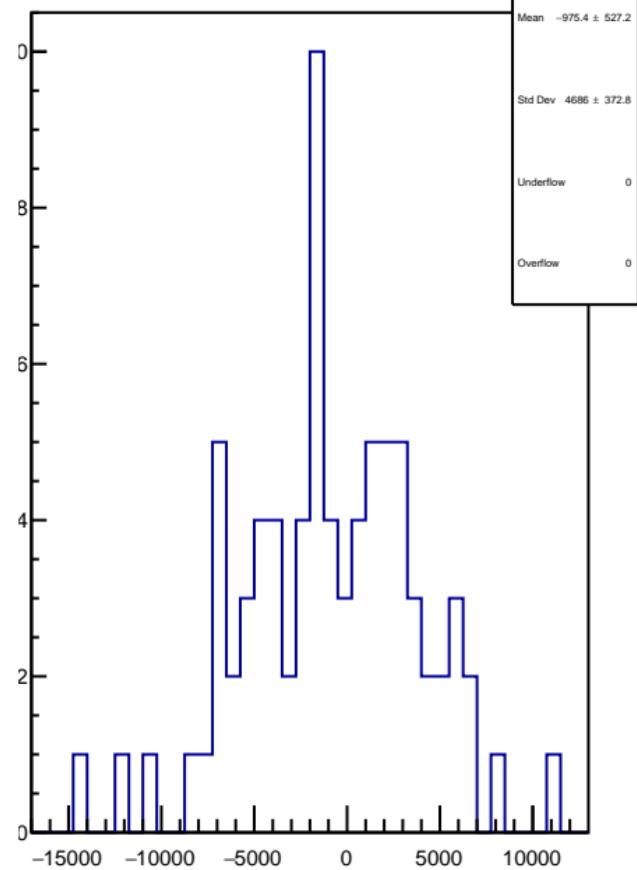
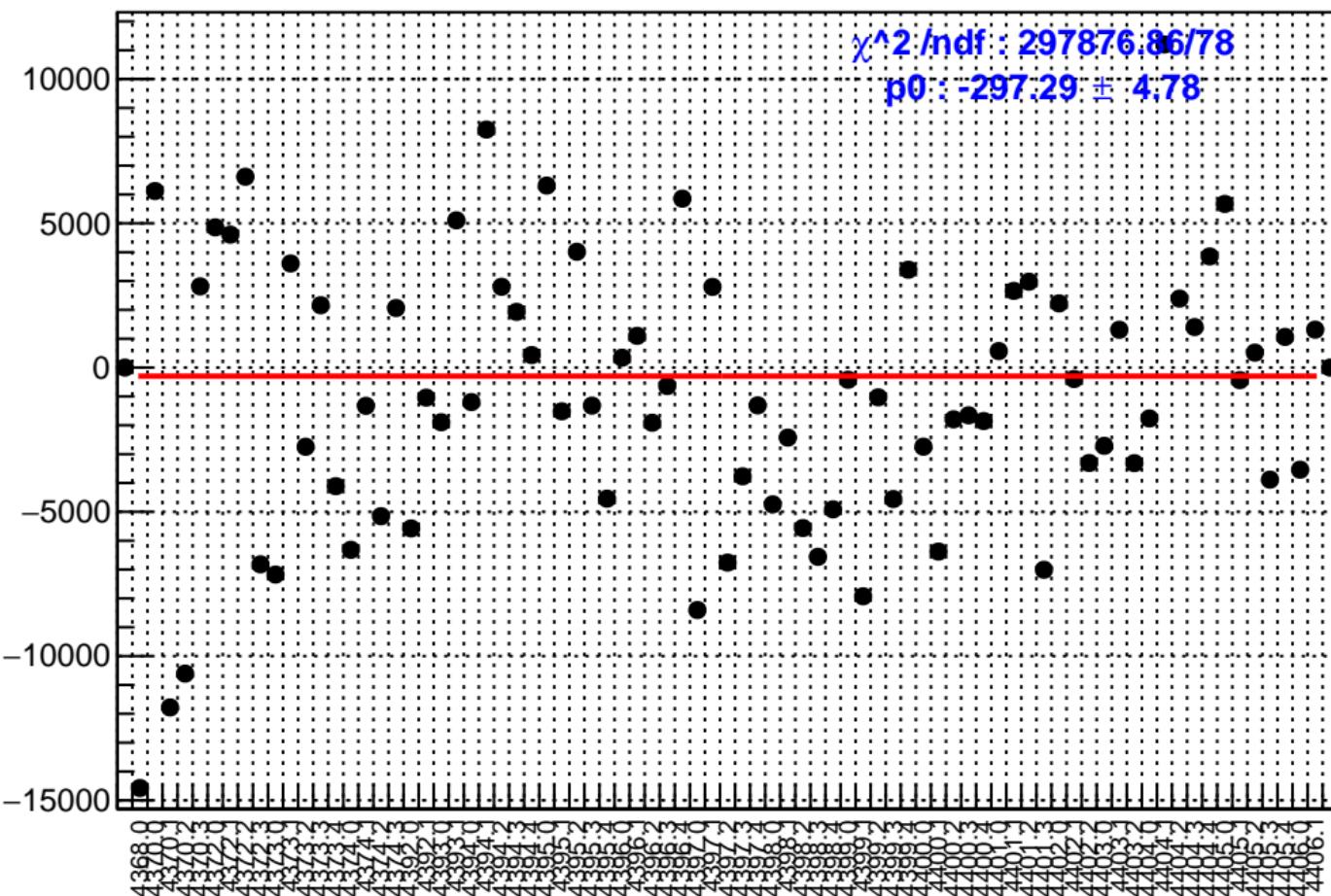


1D pull distribution

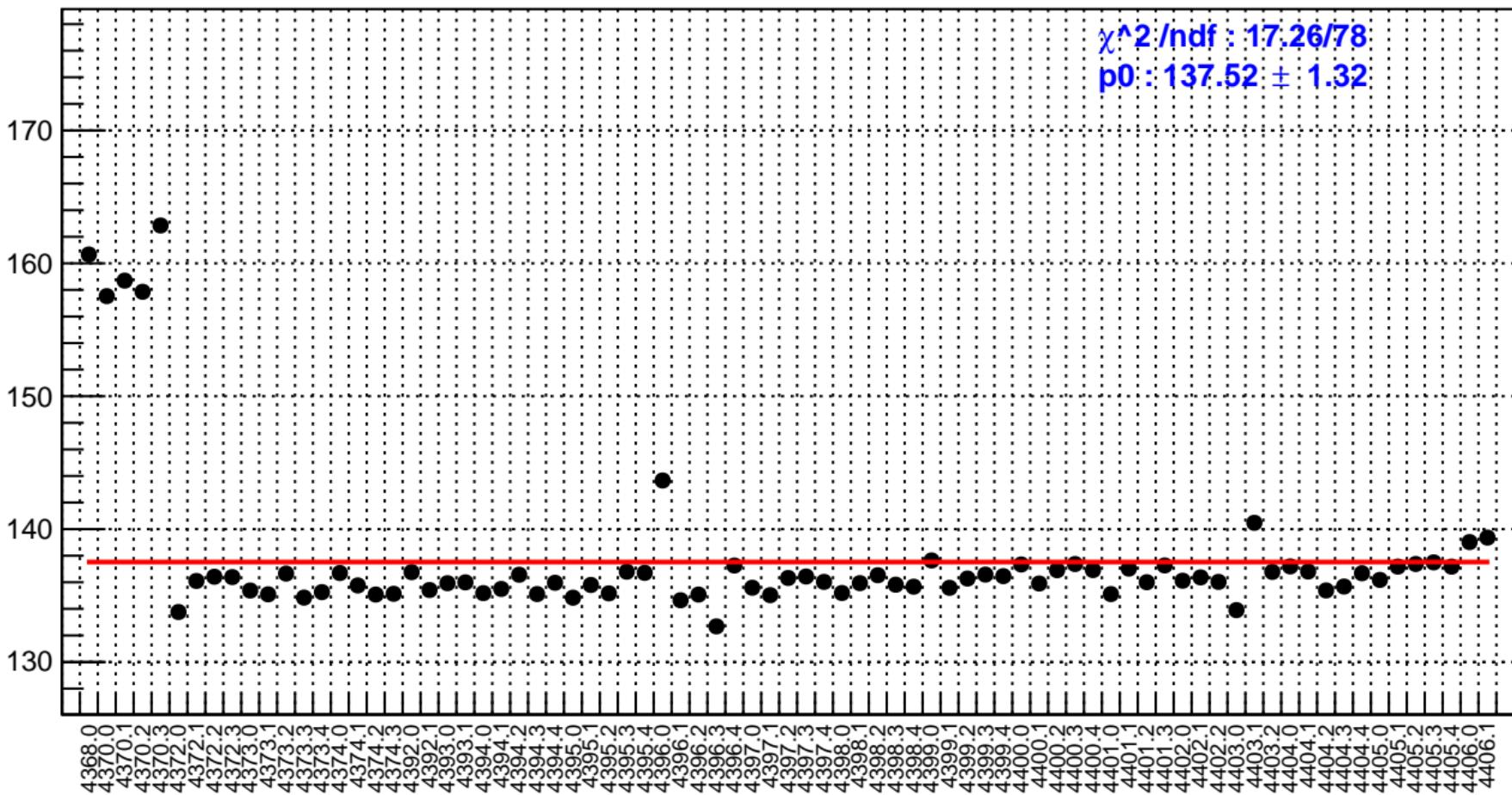


slug59: asym_dsr.mean/ppb-reg_asym_dsr.mean/ppb

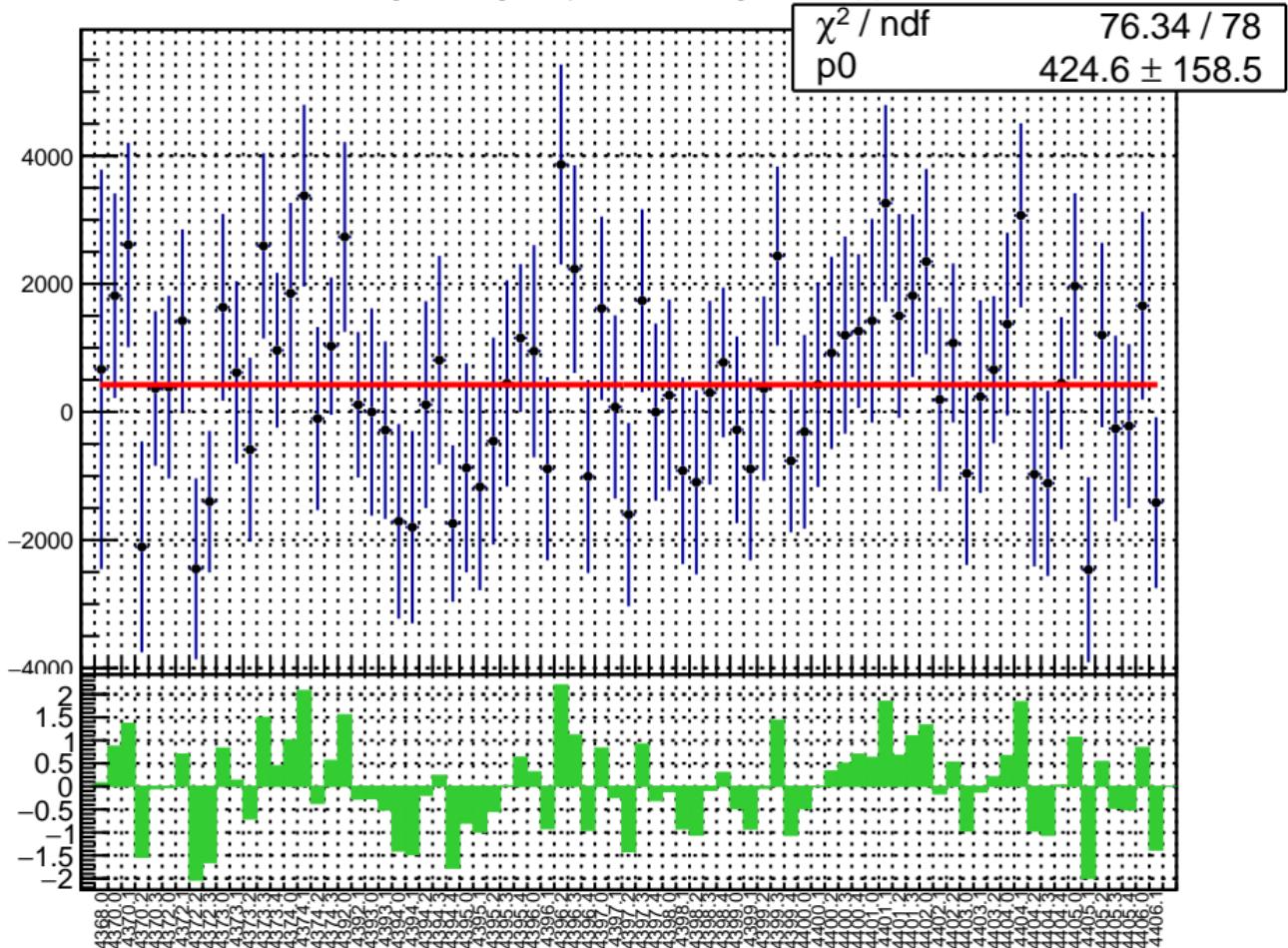
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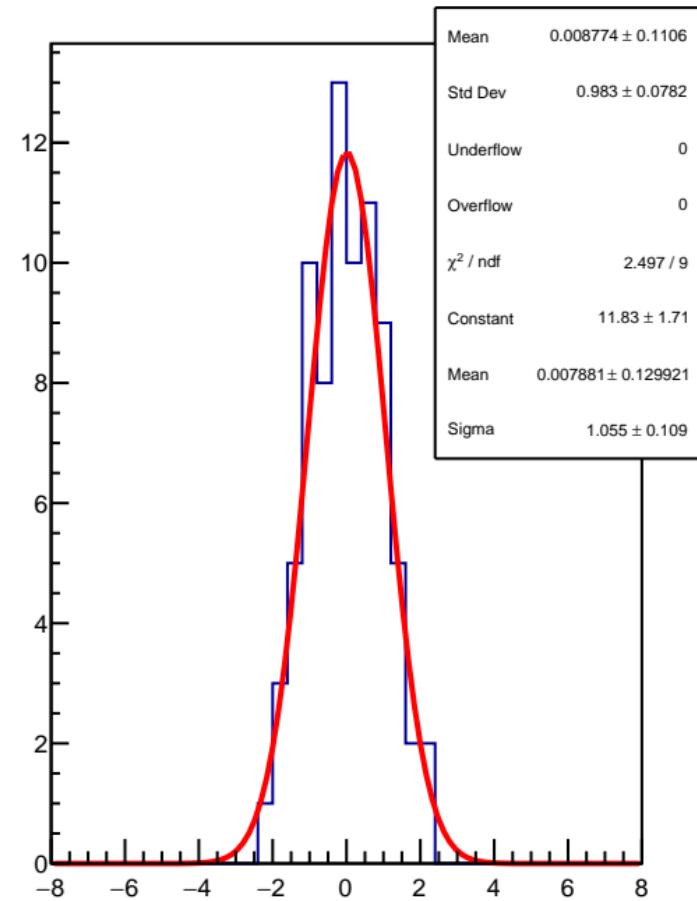
slug59: reg_asym_dsr.rms/ppm



slug59: reg_asym_left_avg.mean/ppb

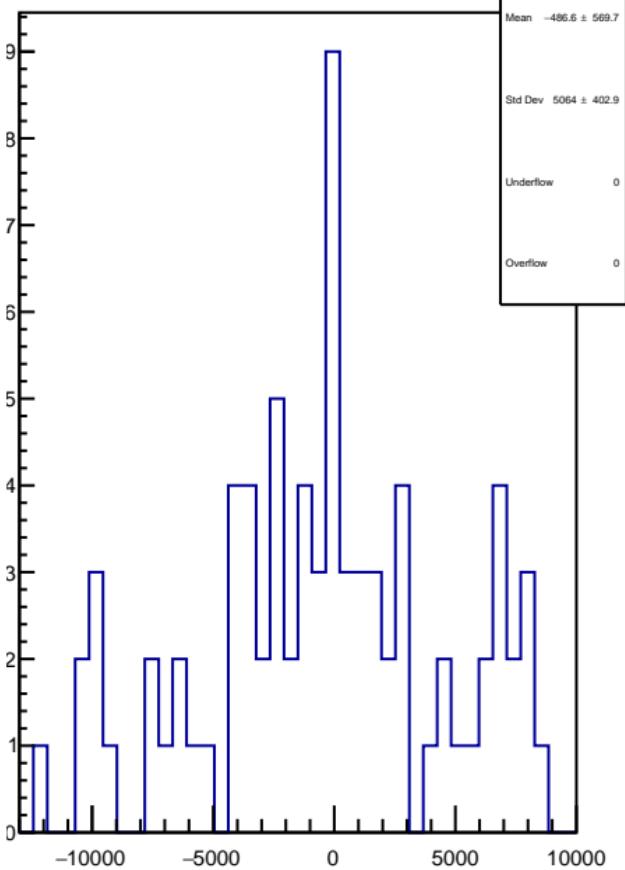
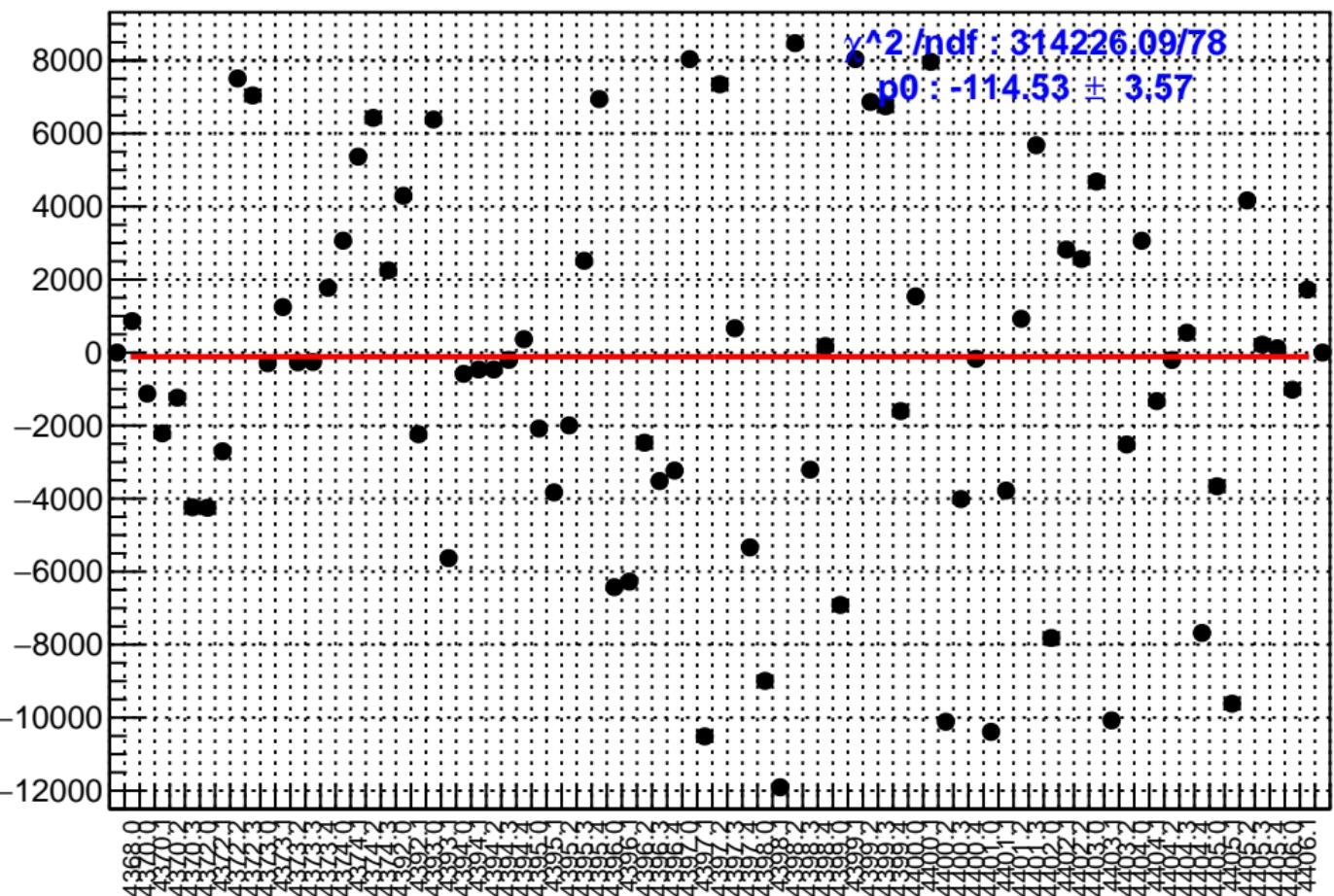


1D pull distribution

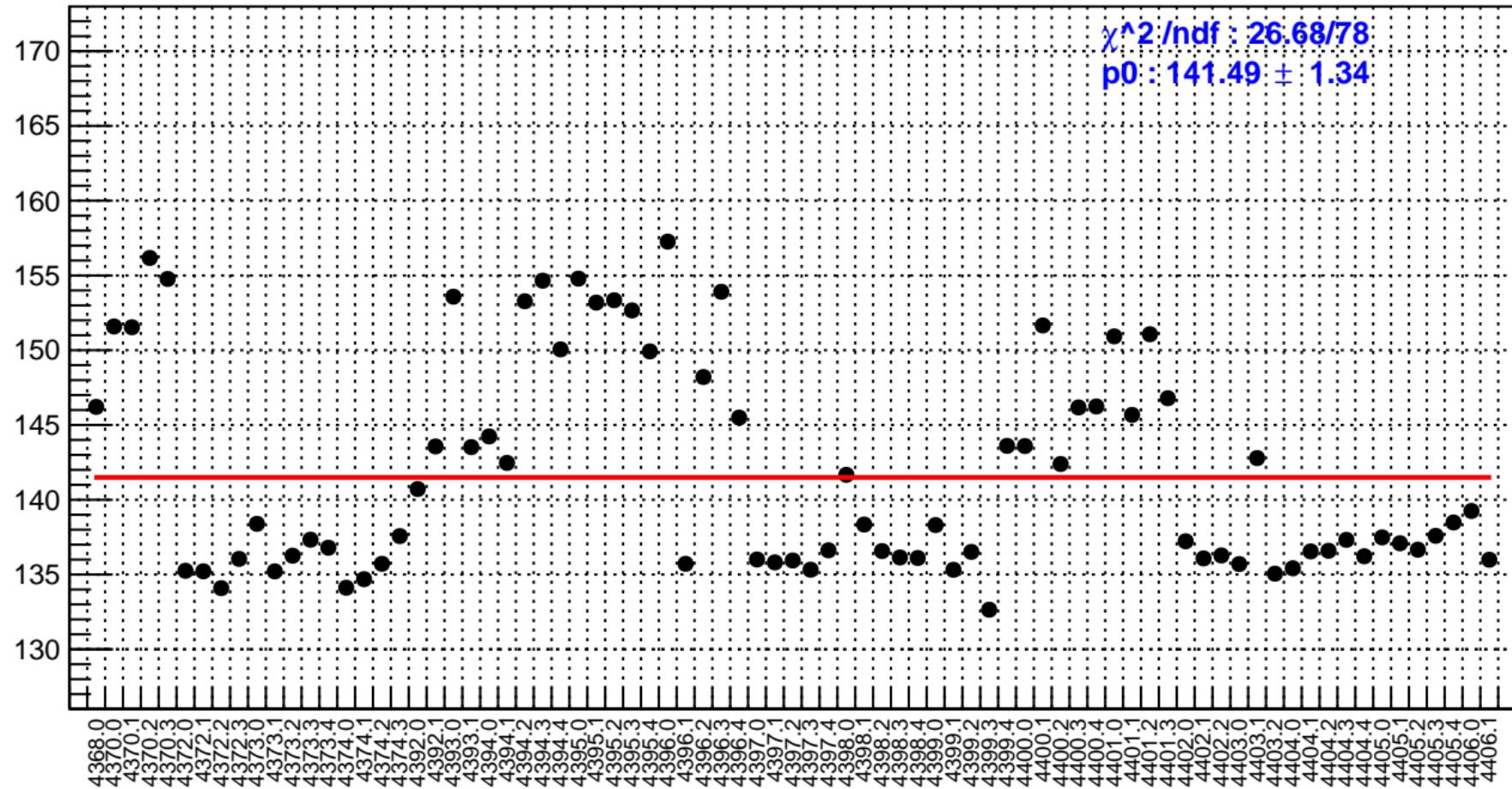


slug59: asym_left_avg.mean/ppb-reg_asym_left_avg.mean/ppb

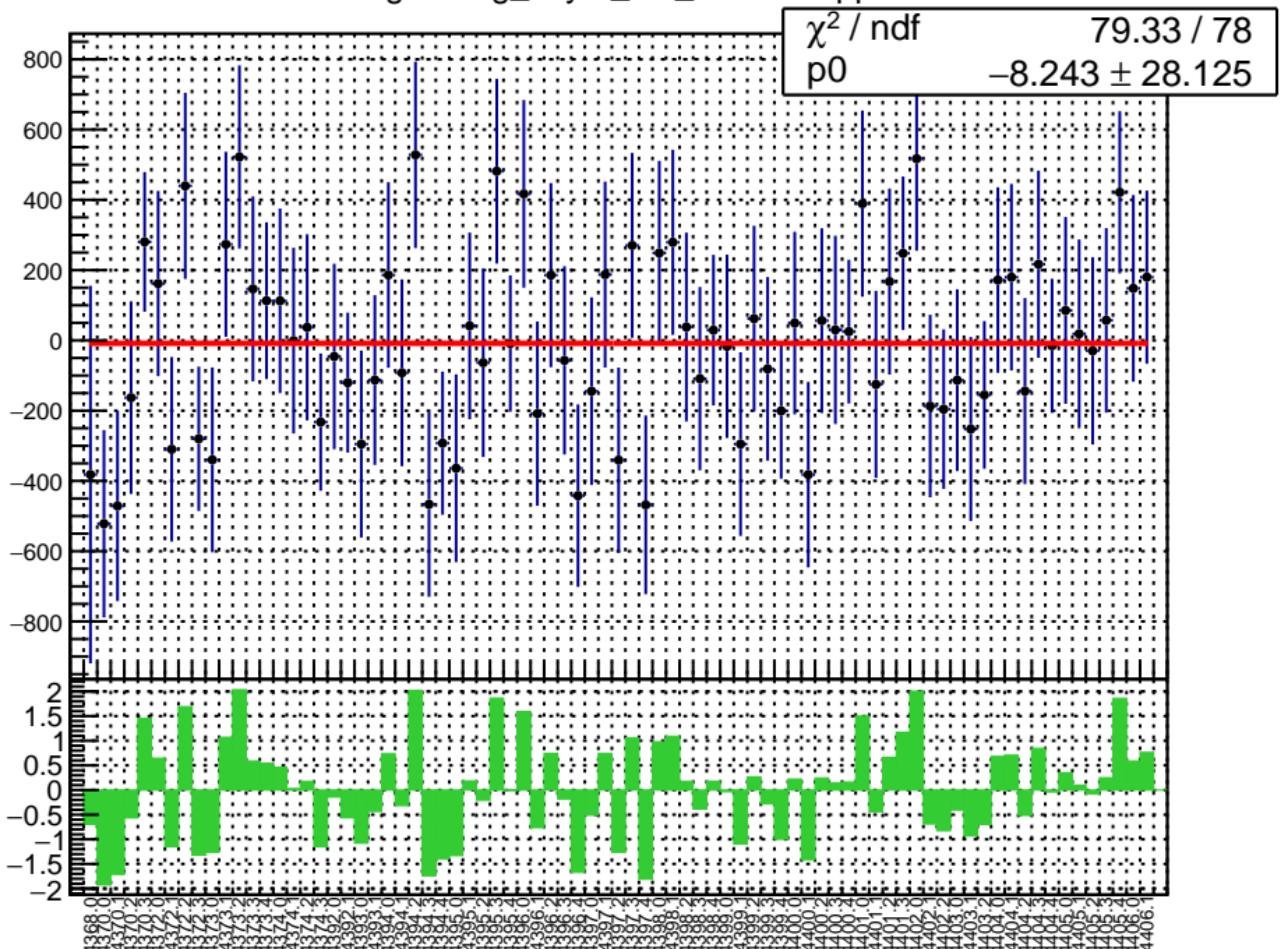
slug59: 1D Corr asym_left_avg.mean/ppb-reg_asym_left_avg.mean/ppb



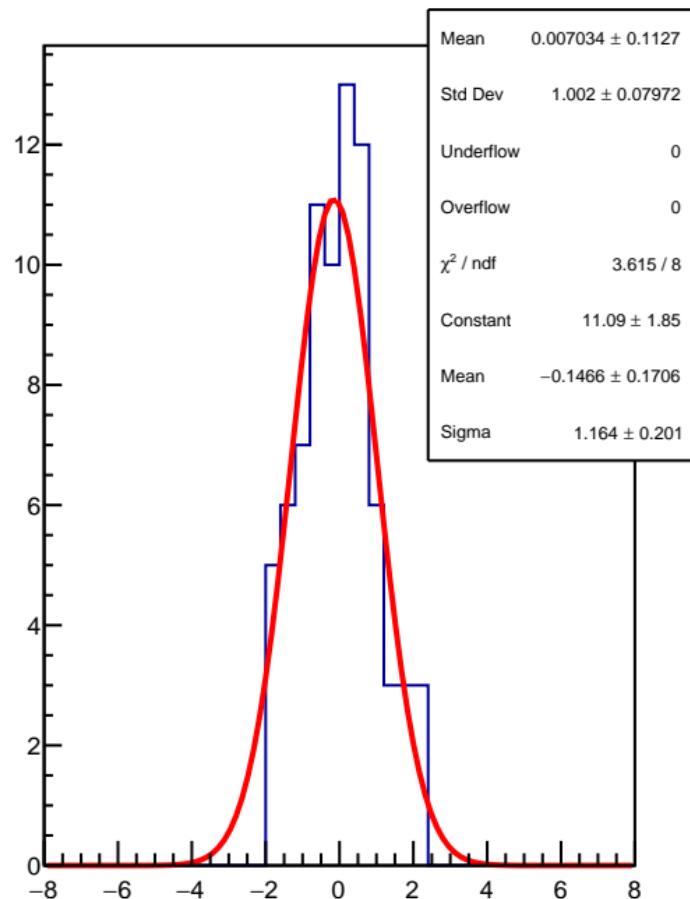
slug59: reg_asym_left_avg.rms/ppm



slug59: reg_asym_left_dd.mean/ppb

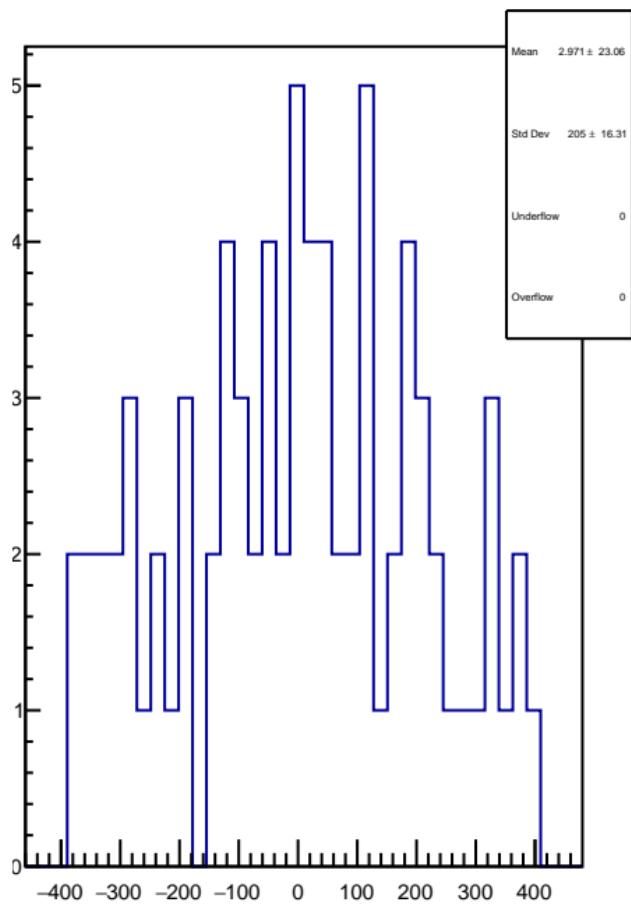
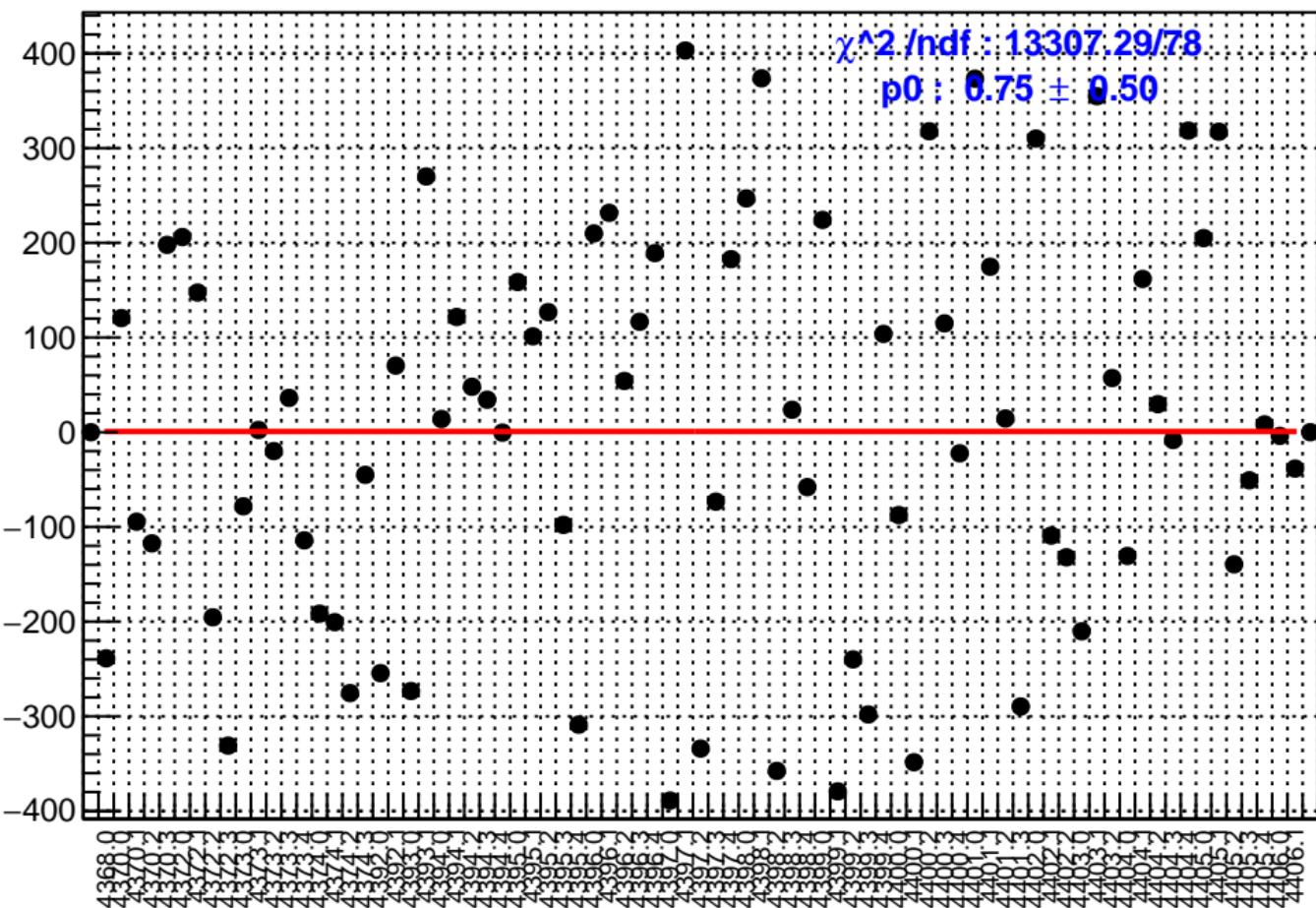


1D pull distribution

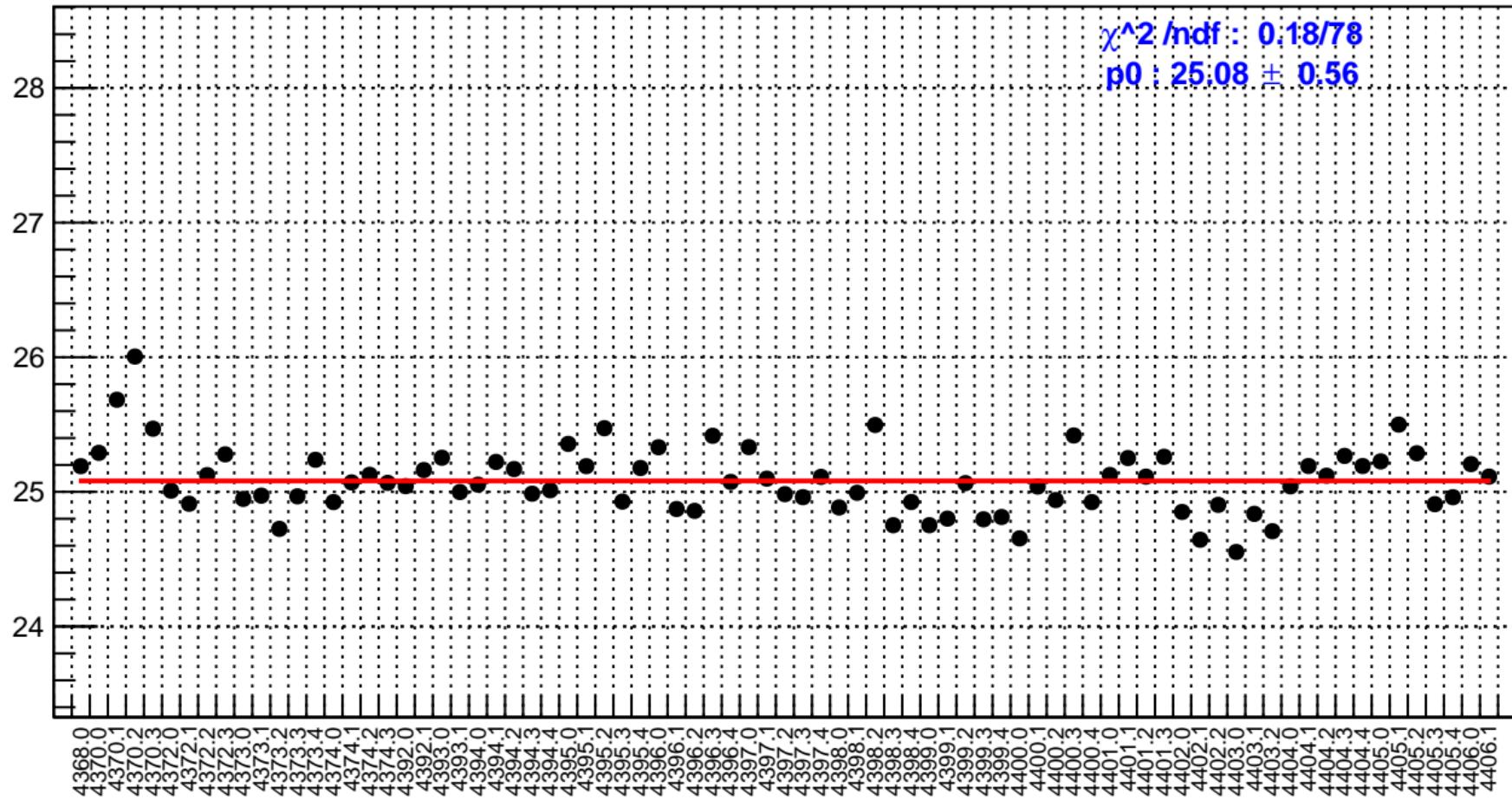


slug59: asym_left_dd.mean/ppb-reg_asym_left_dd.mean/ppb

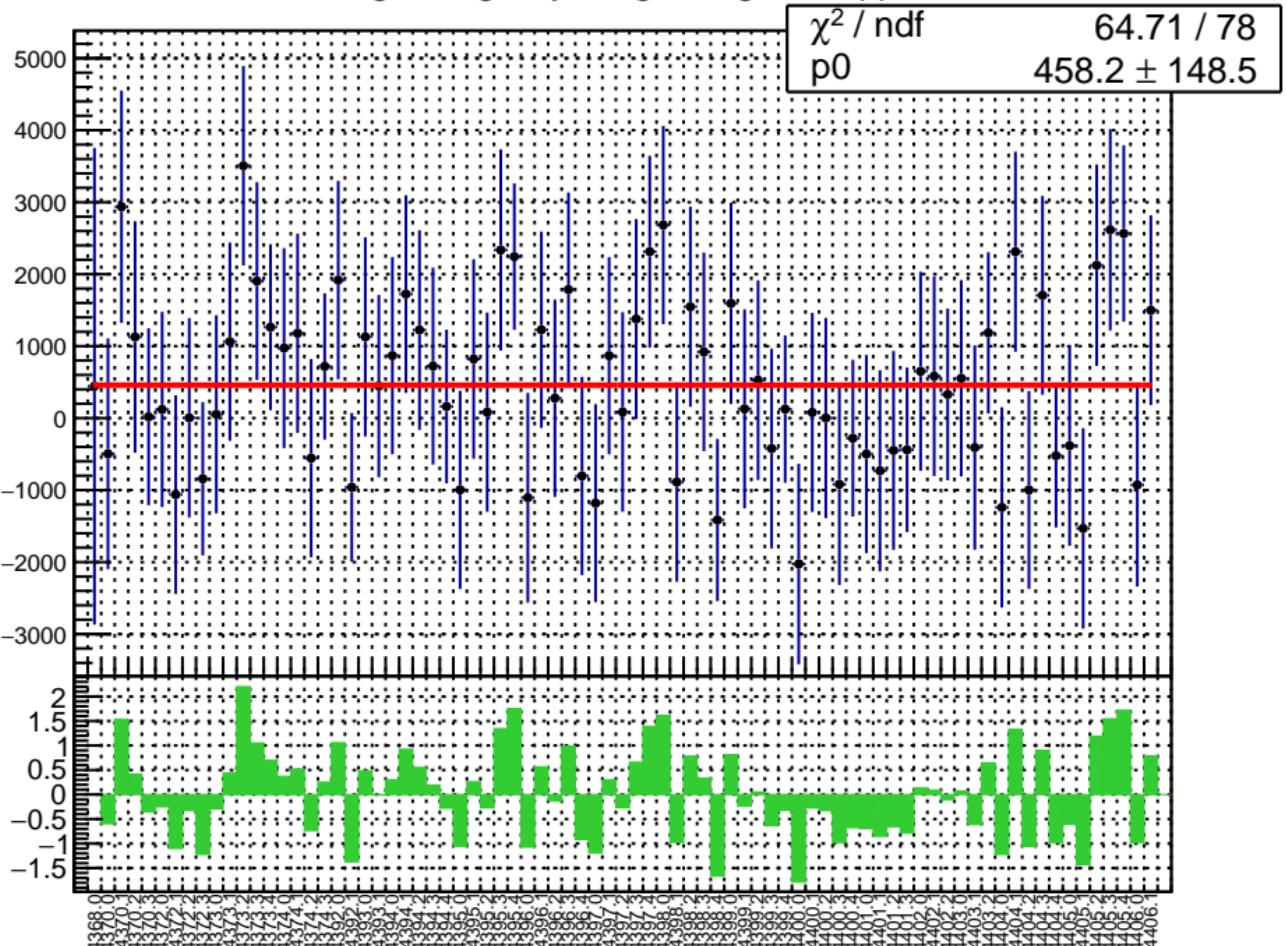
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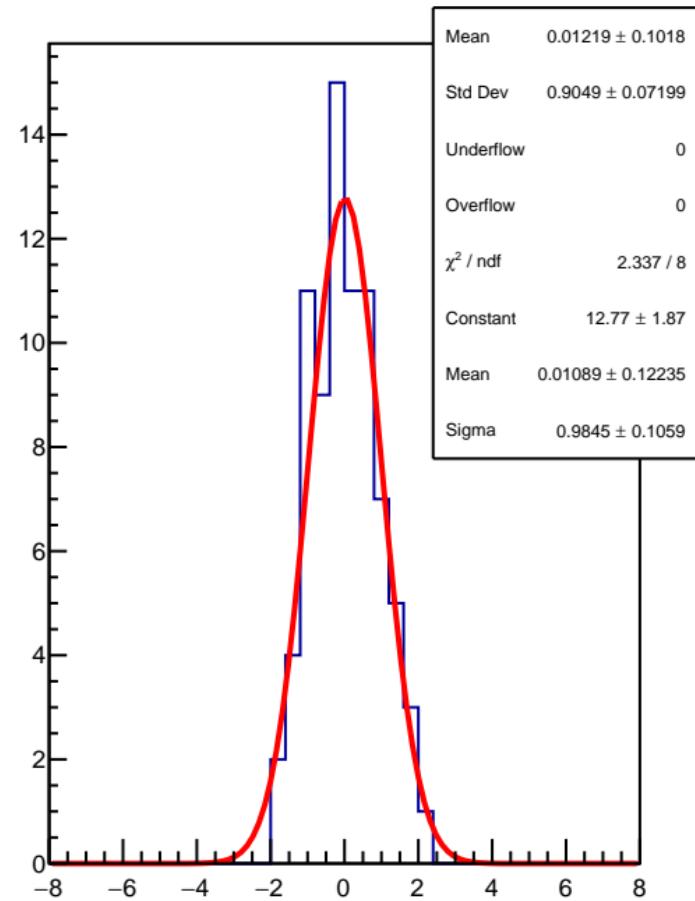
slug59: reg_asym_left_dd.rms/ppm



slug59: reg_asym_right_avg.mean/ppb

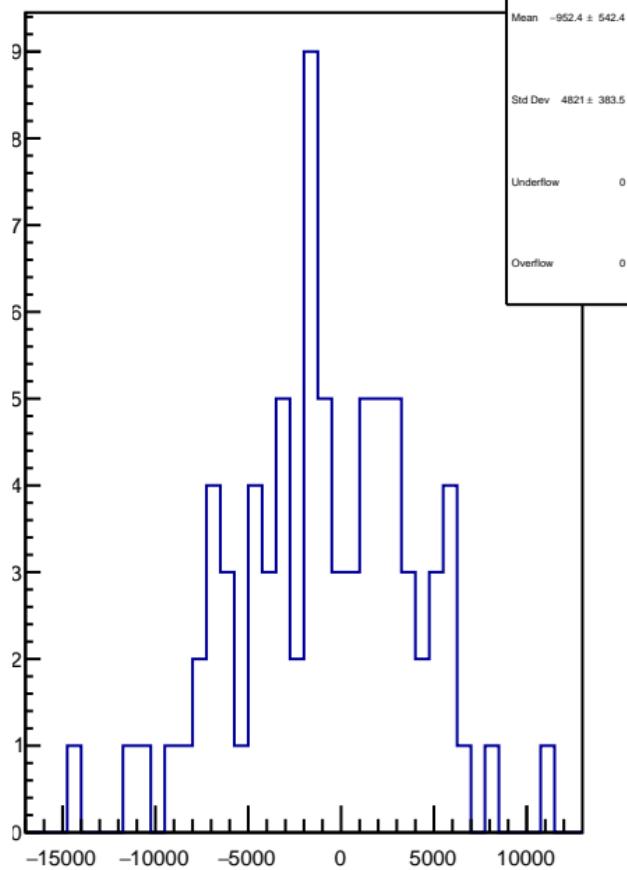
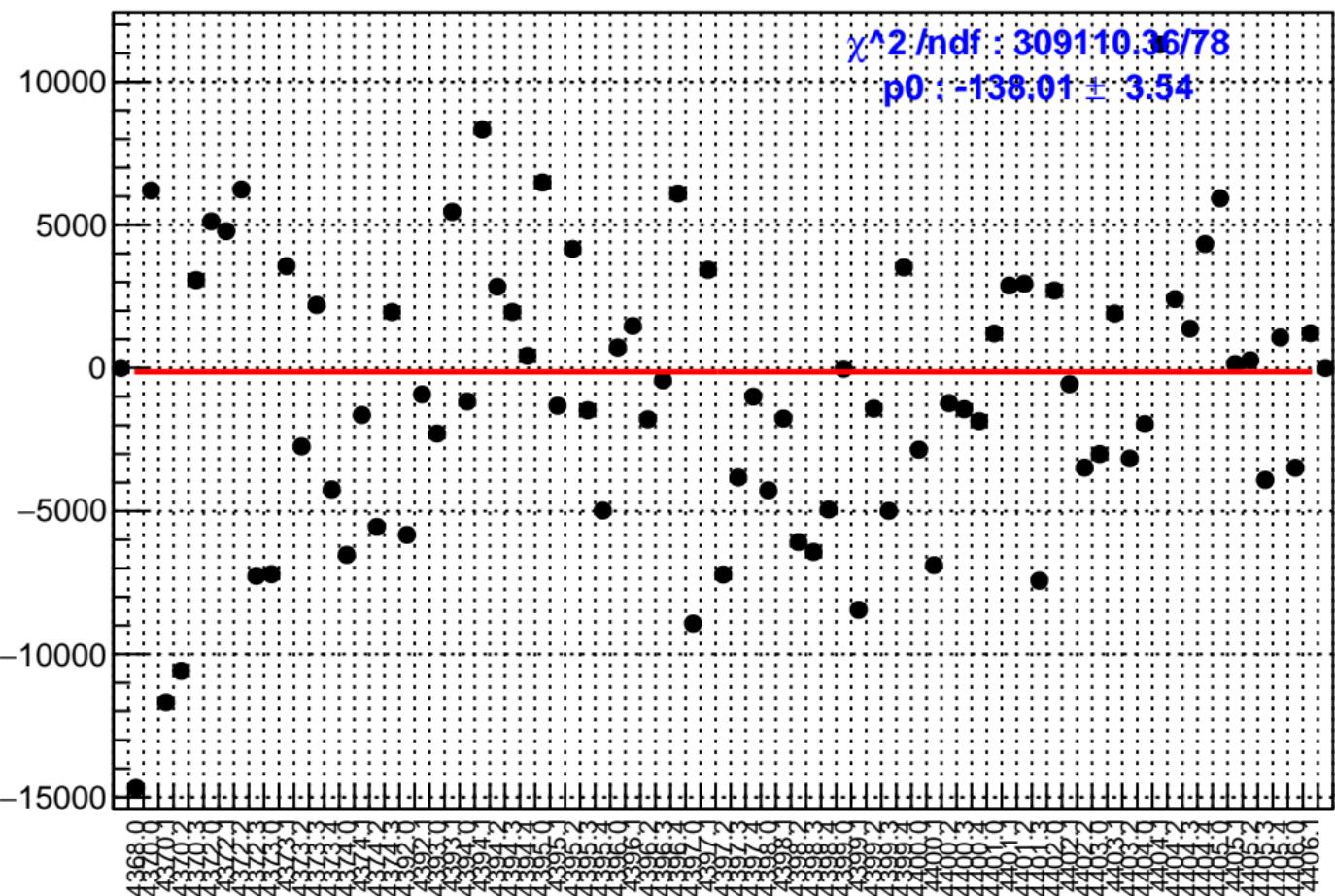


1D pull distribution

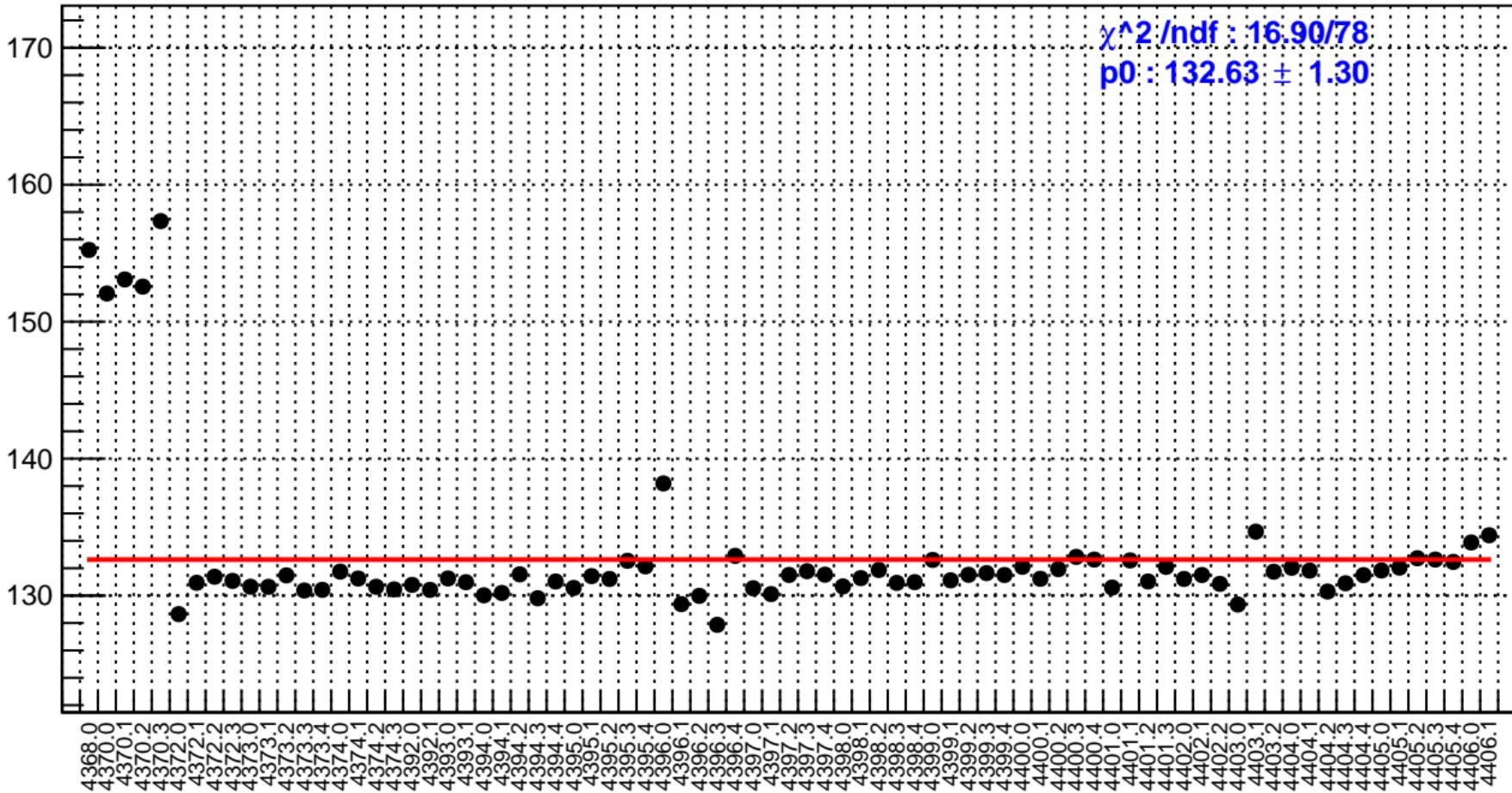


slug59: asym_right_avg.mean/ppb-reg_asym_right_avg.mean/ppb

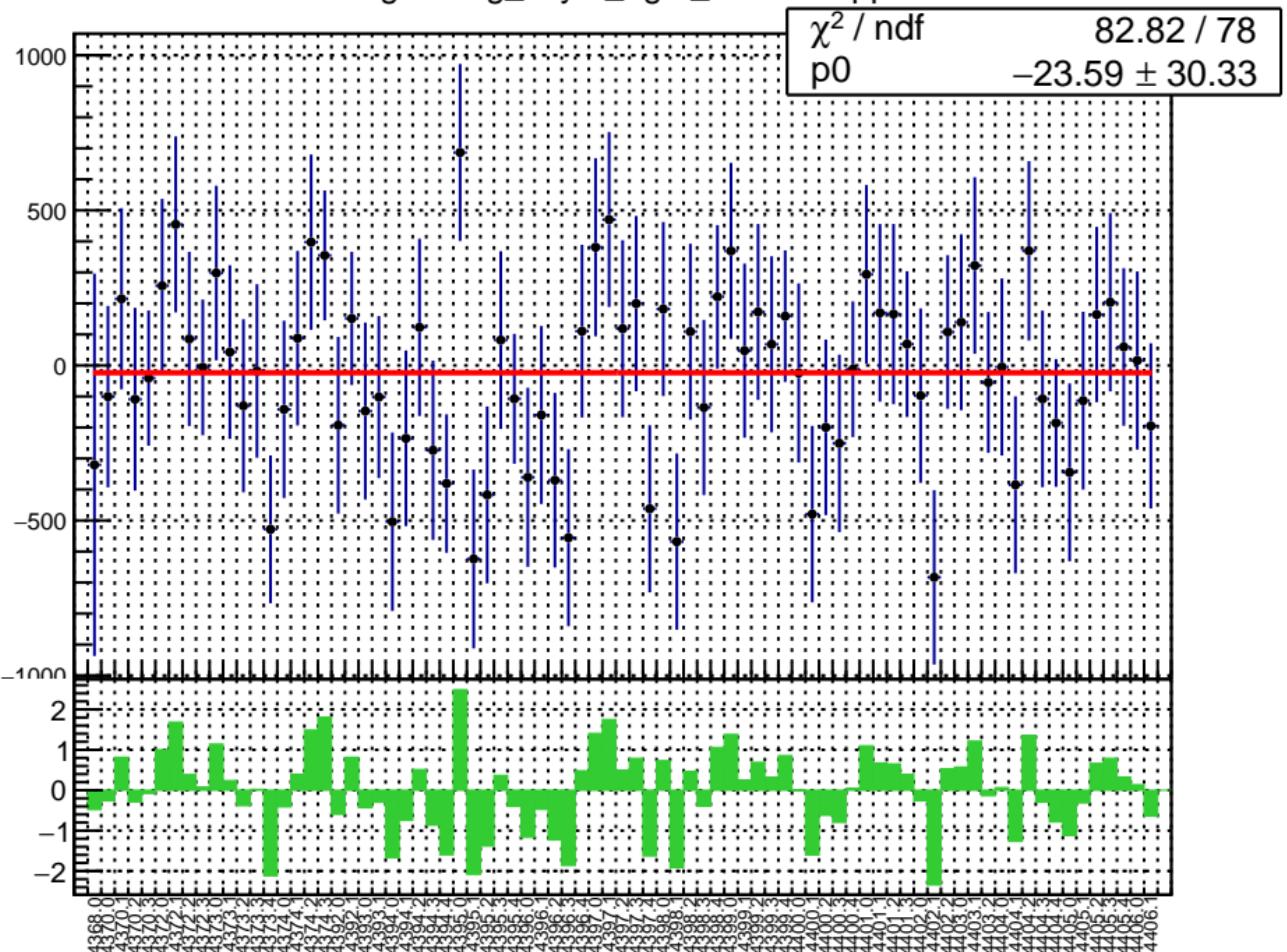
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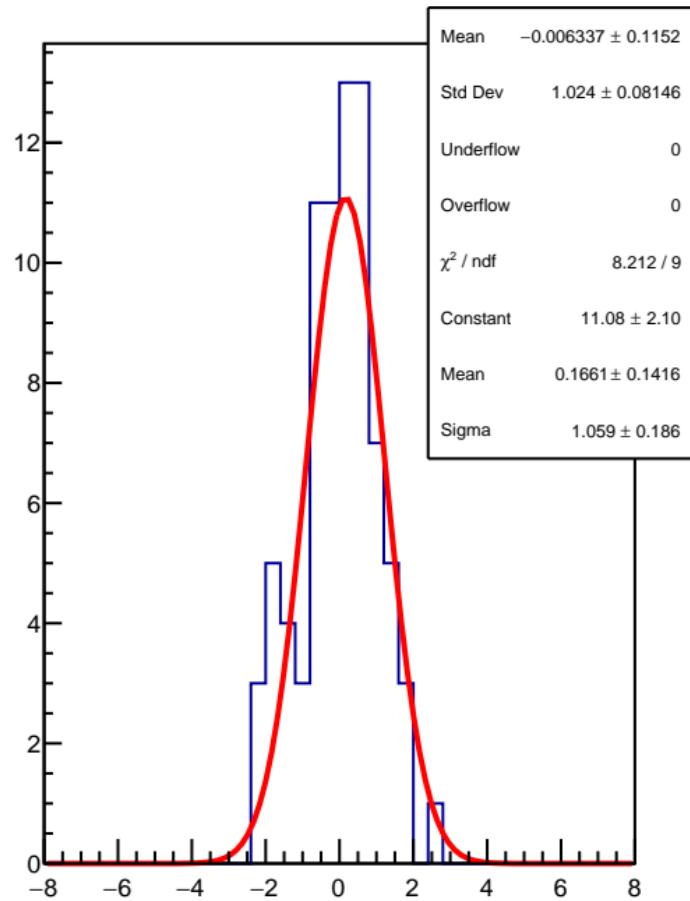
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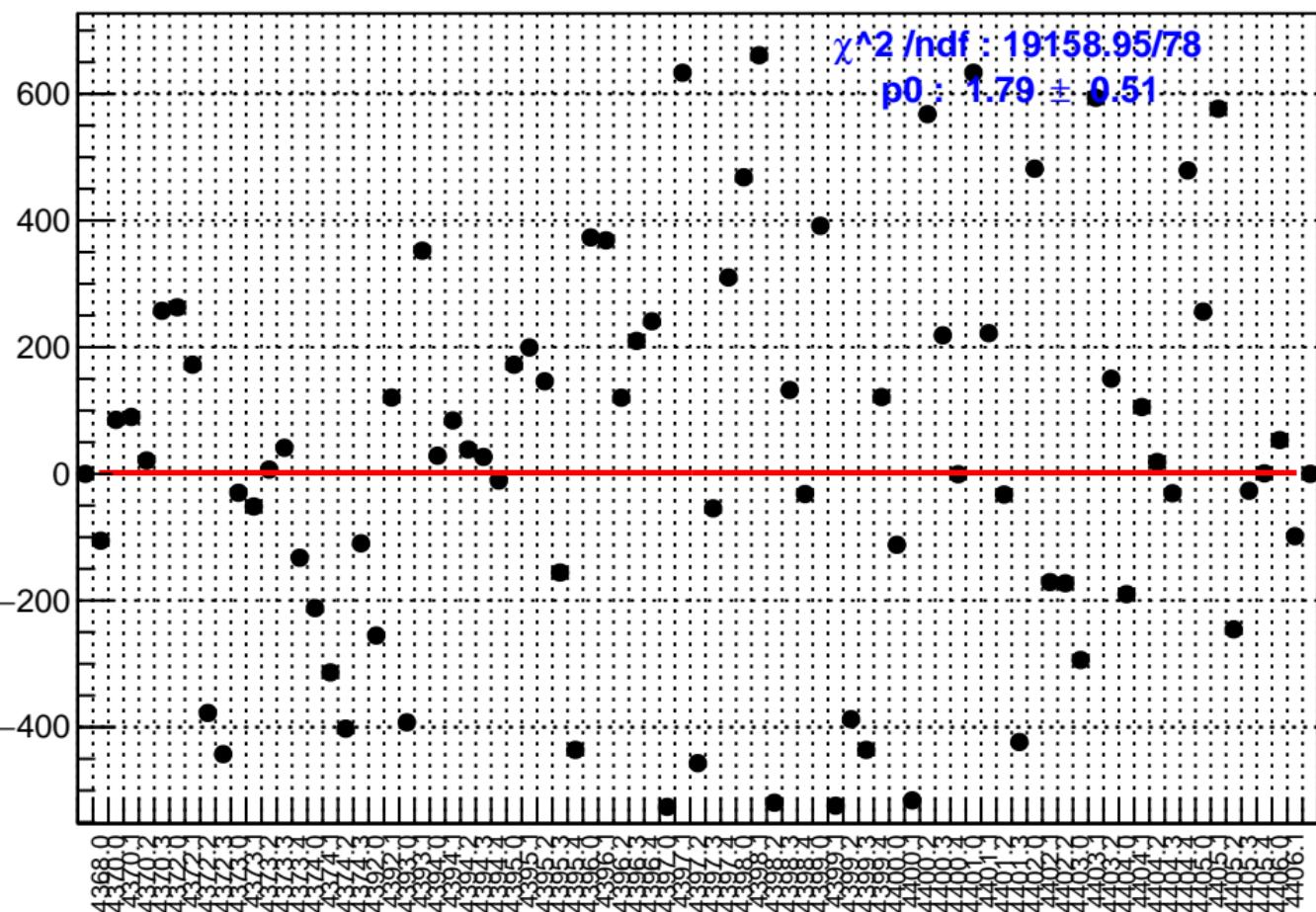
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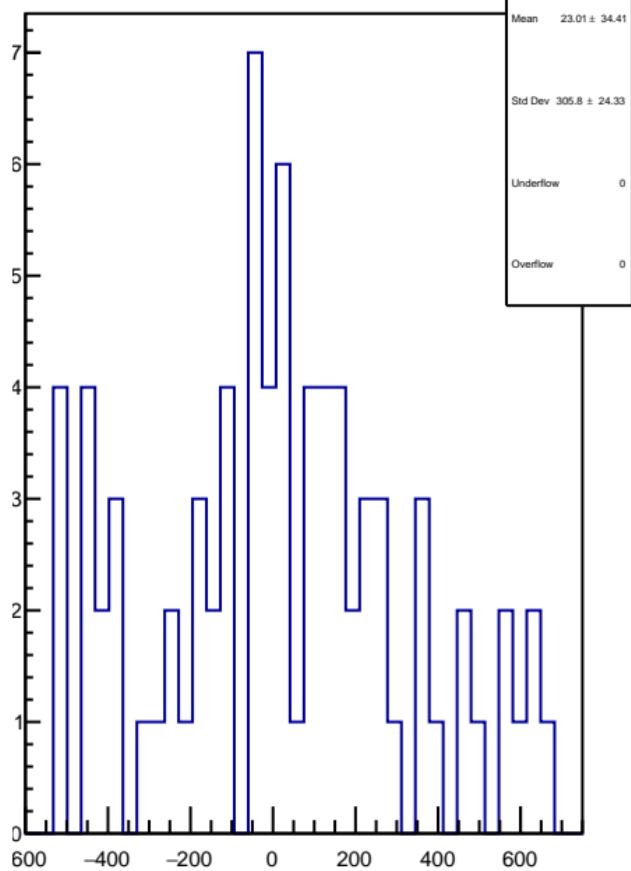
1D pull distribution



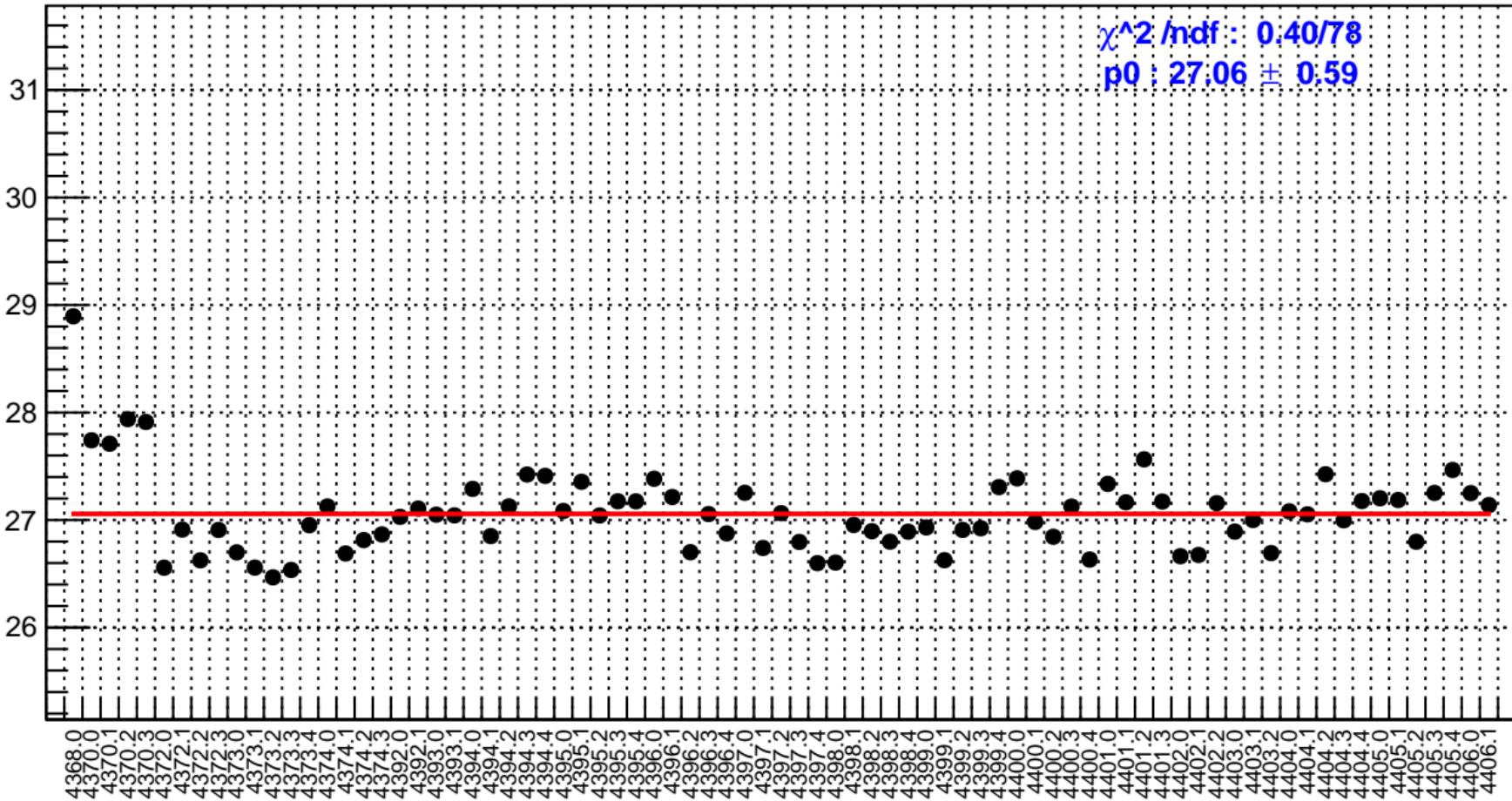
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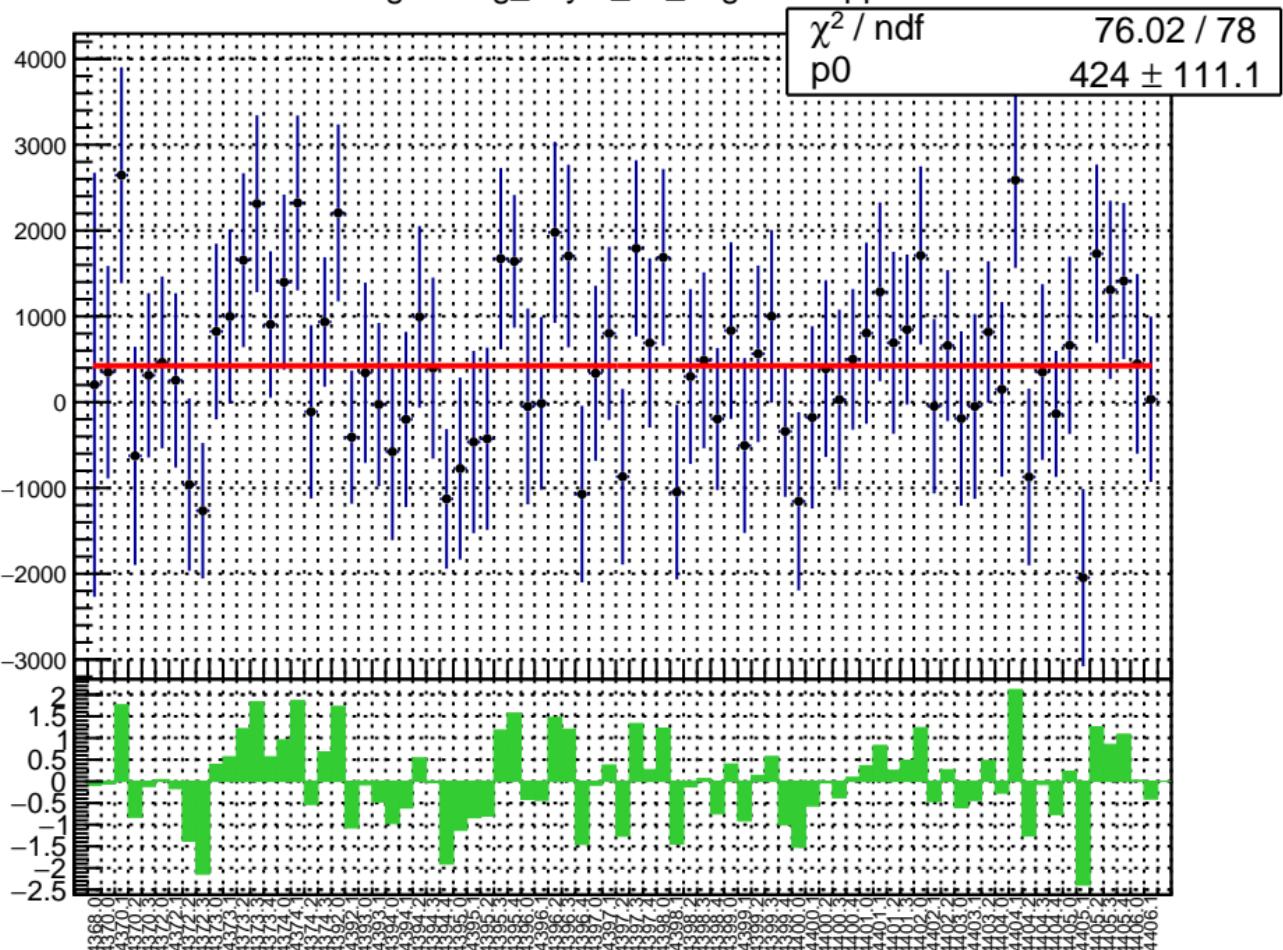
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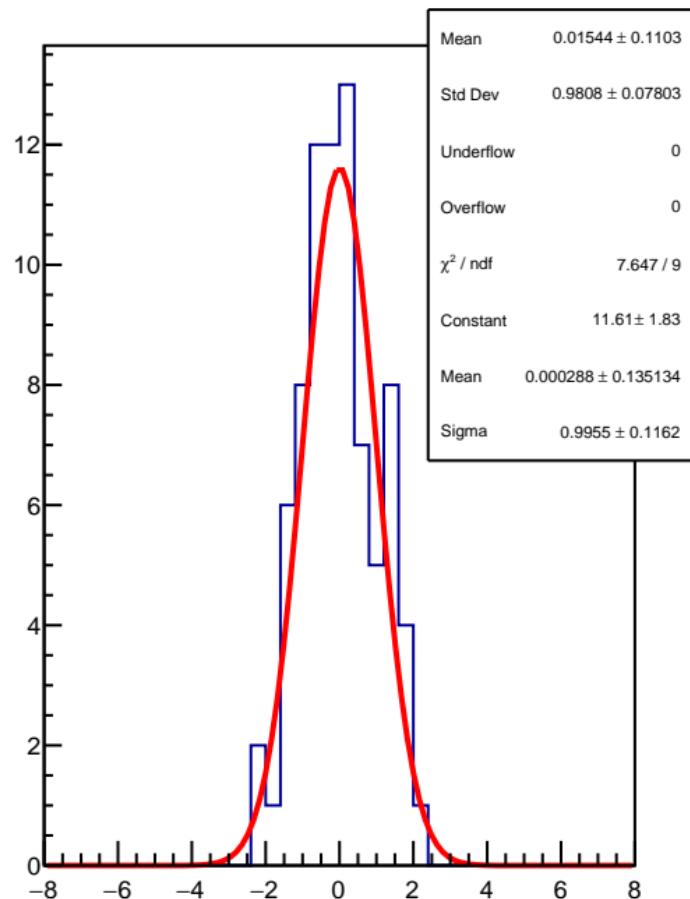
slug59: reg_asym_right_dd.rms/ppm



slug59: reg_asym_us_avg.mean/ppb

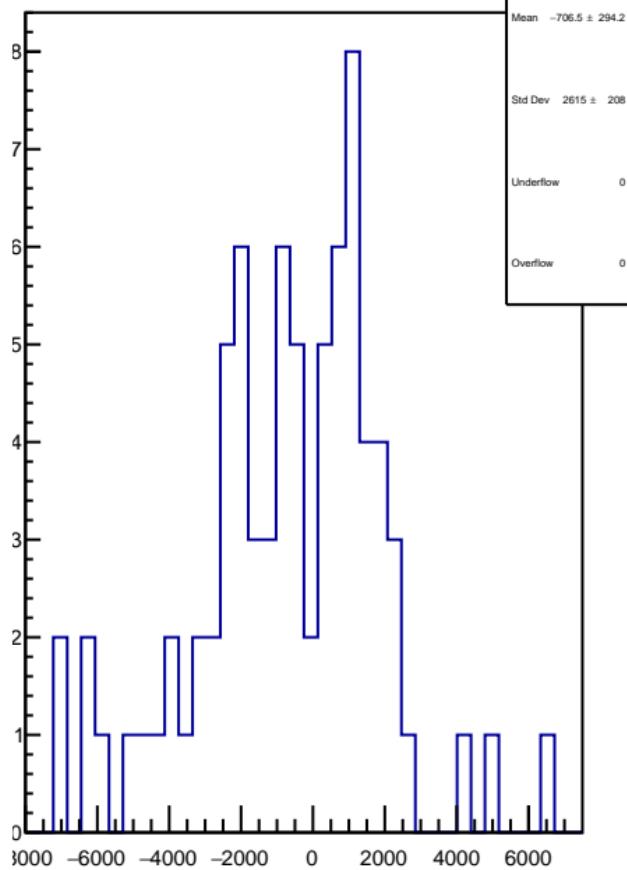
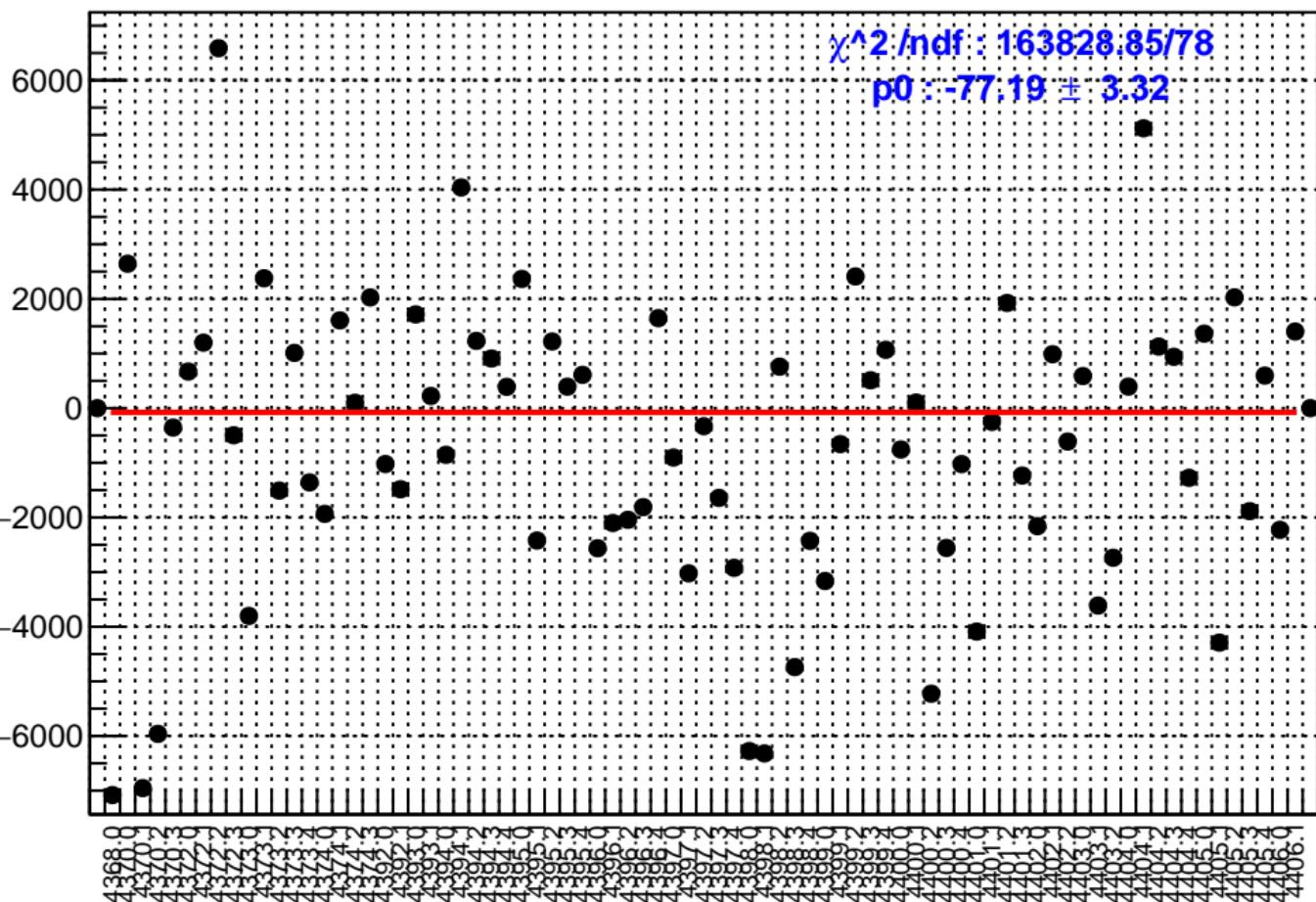


1D pull distribution



slug59: asym_us_avg.mean/ppb-reg_asym_us_avg.mean/ppb

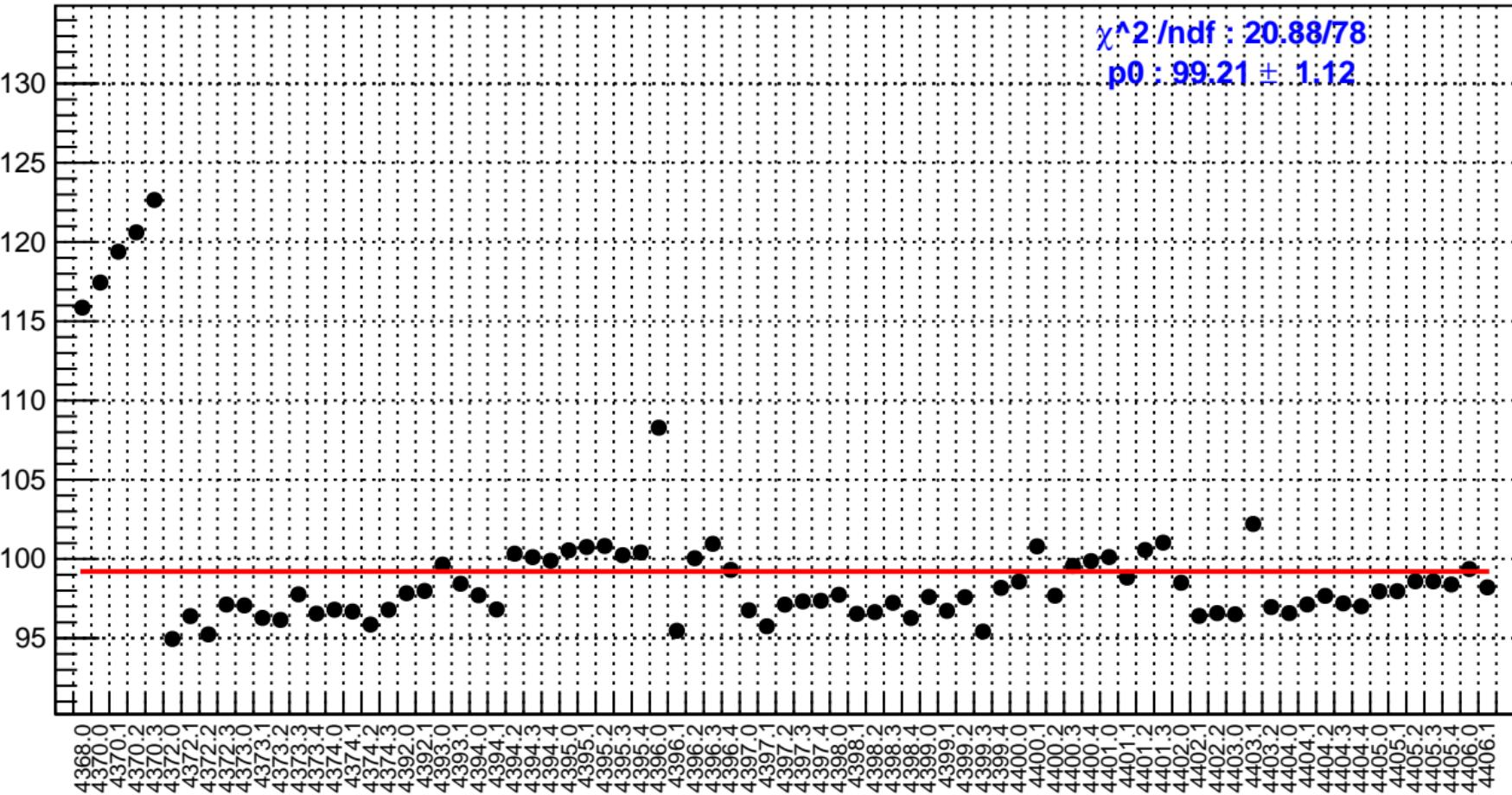
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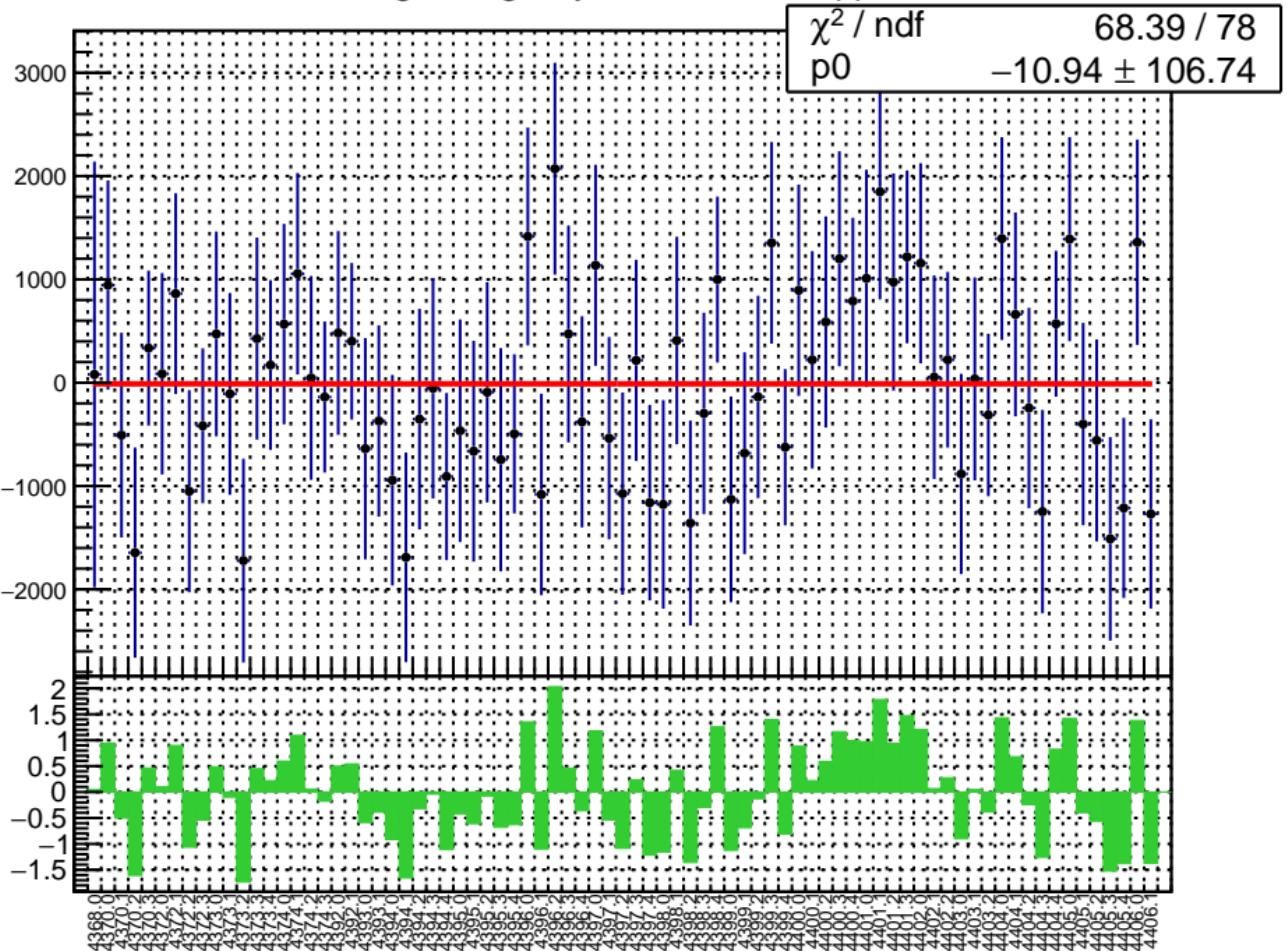
slug59: reg_asym_us_avg.rms/ppm

$\chi^2/\text{ndf} : 20.88/78$

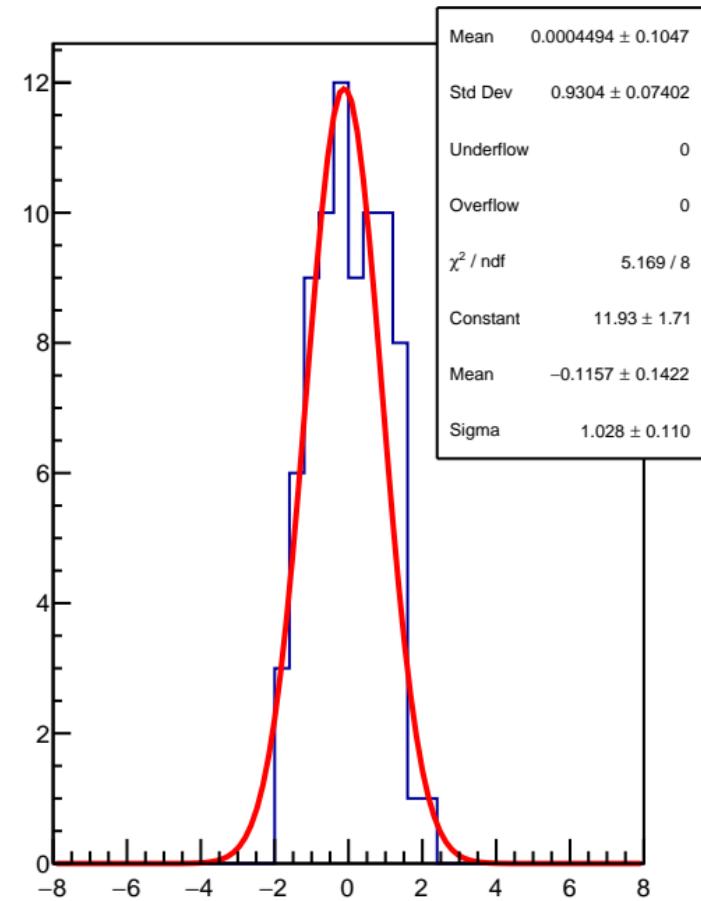
$p_0 : 99.21 \pm 1.12$



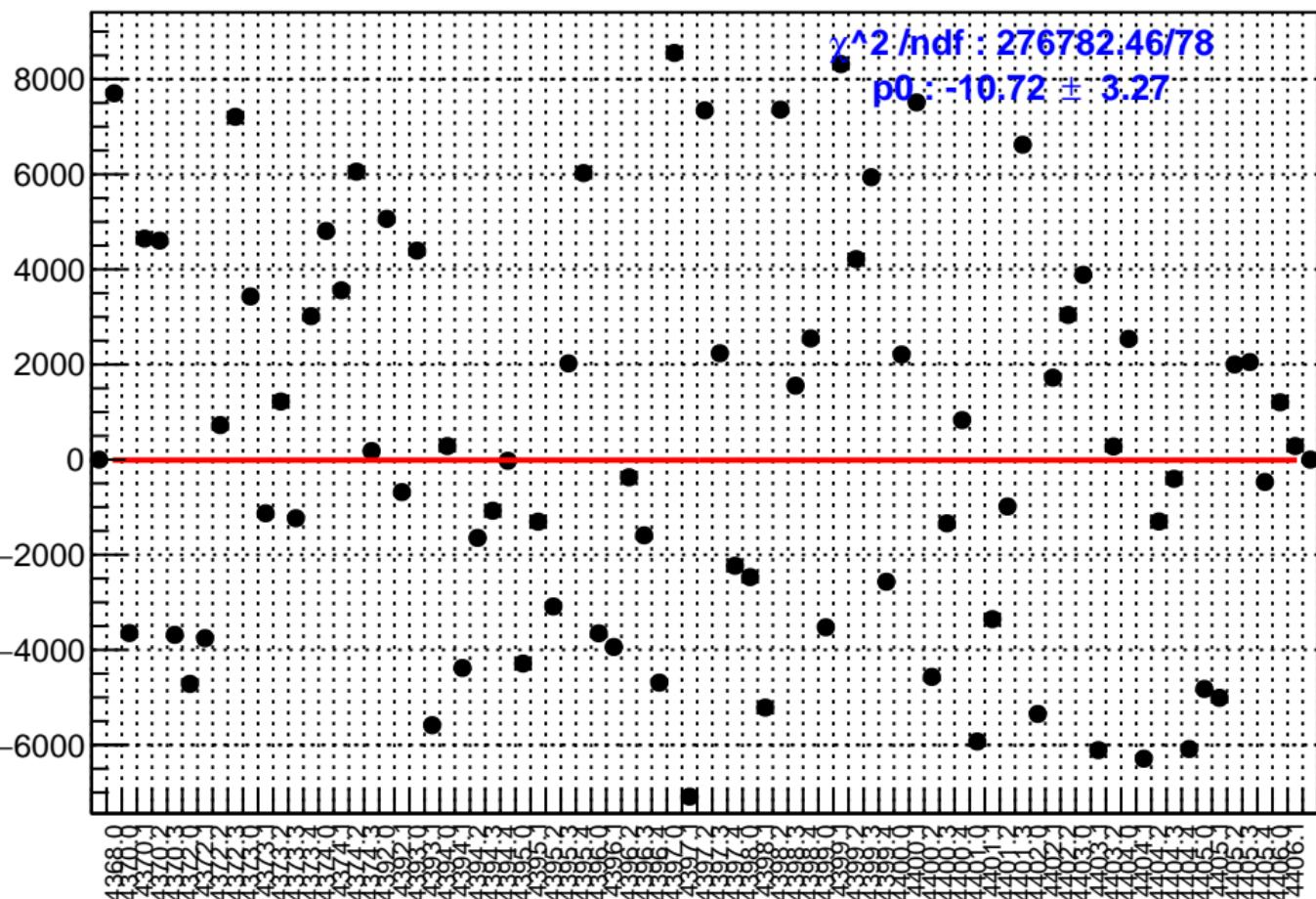
slug59: reg_asym_us_dd.mean/ppb



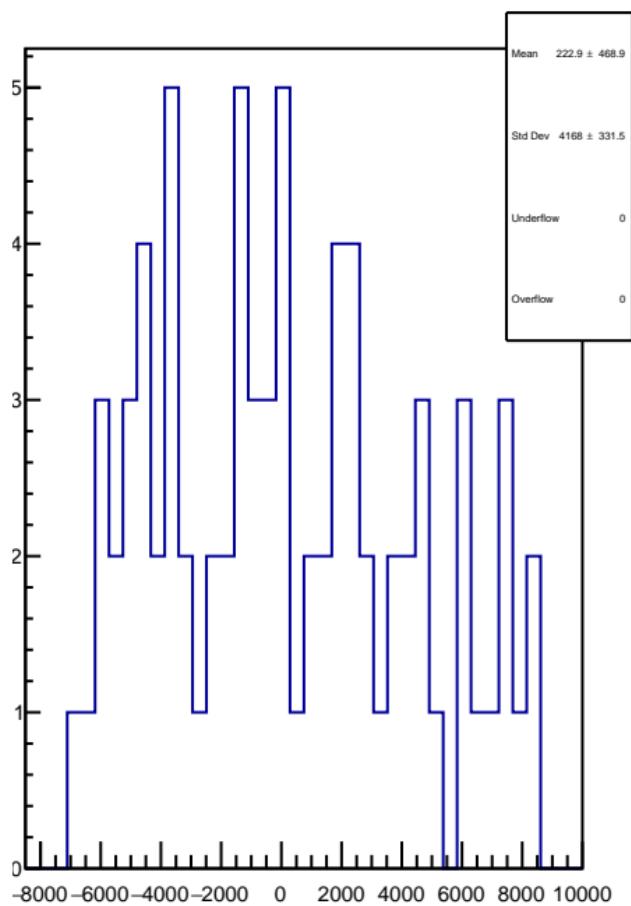
1D pull distribution



slug59: asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb

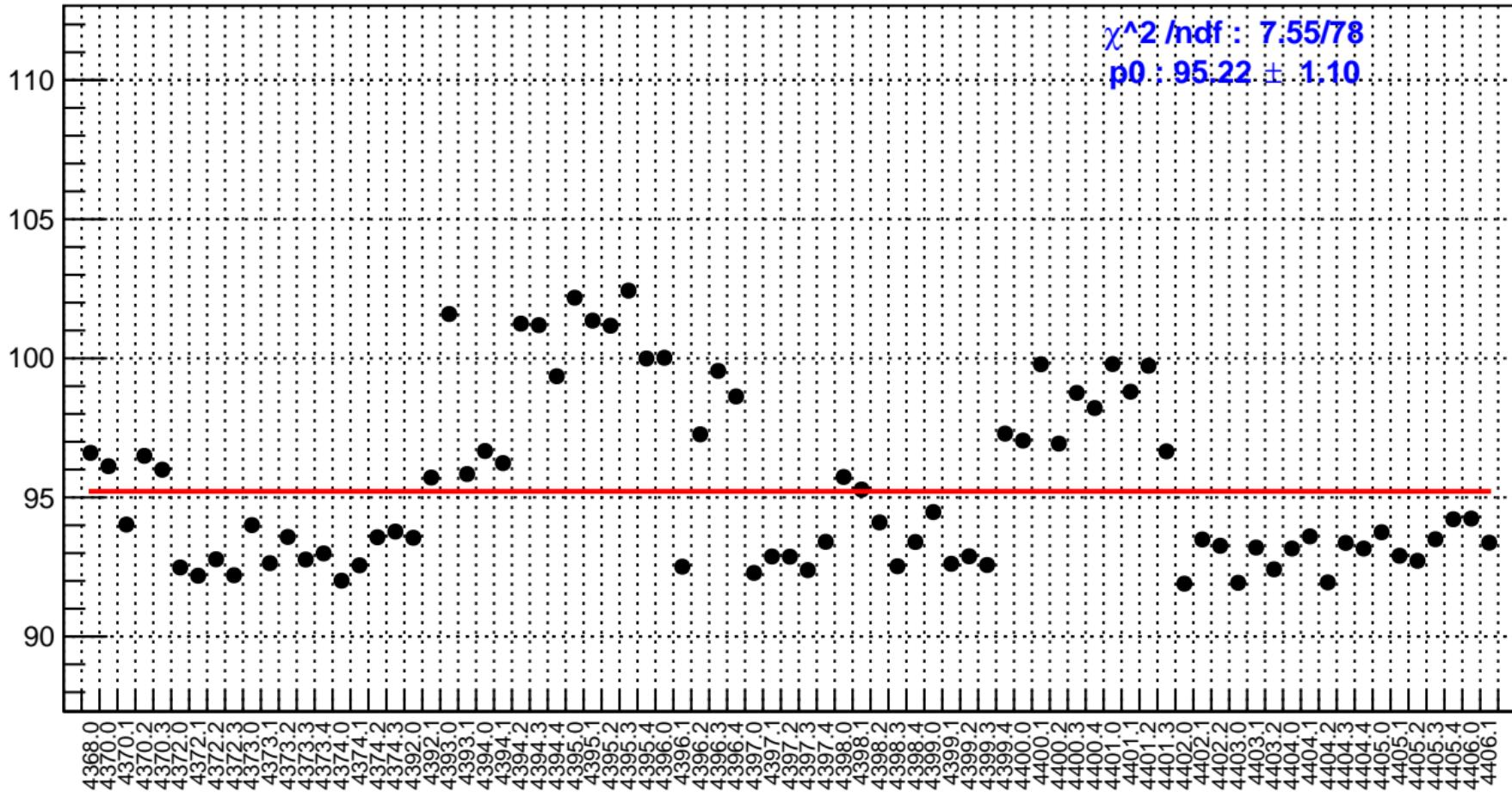


slug59: 1D Corr asym_us_dd.mean/ppb-reg_asym_us_dd.mean/ppb

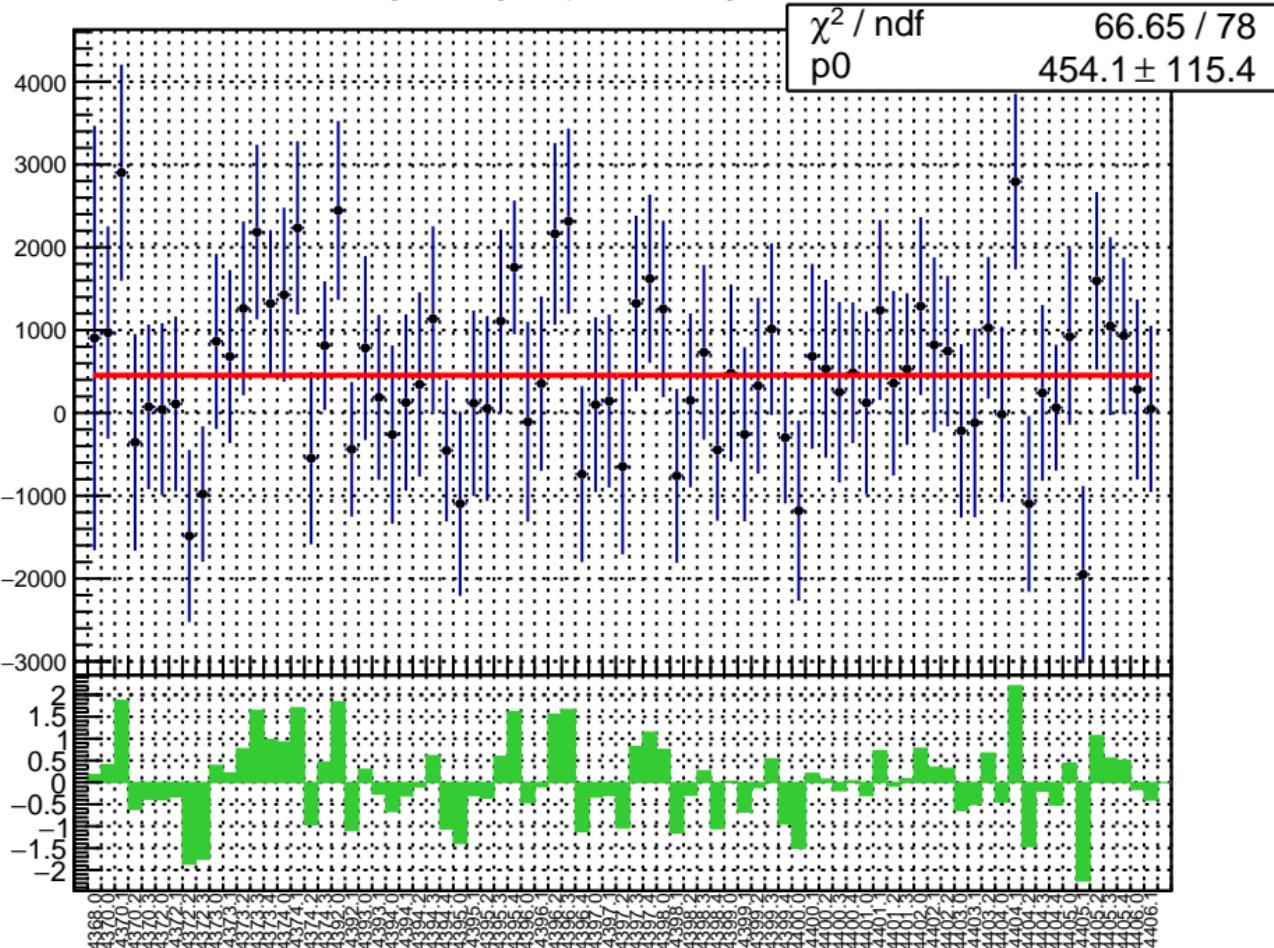


slug59: reg_asym_us_dd.rms/ppm

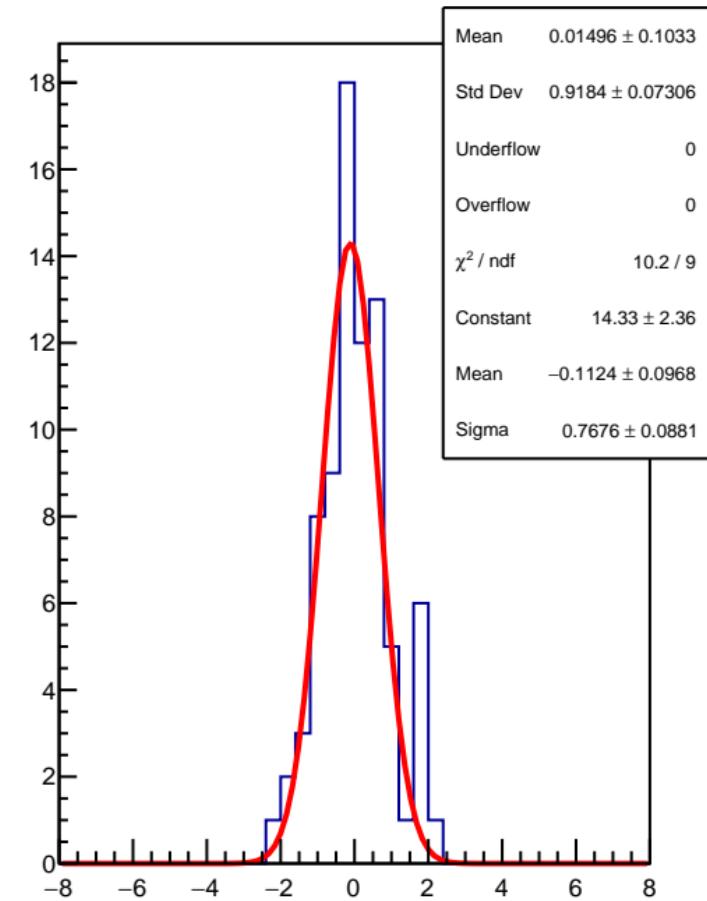
$\chi^2/\text{ndf} : 7.55/78$
 $p_0 : 95.22 \pm 1.10$



slug59: reg_asym_ds_avg.mean/ppb

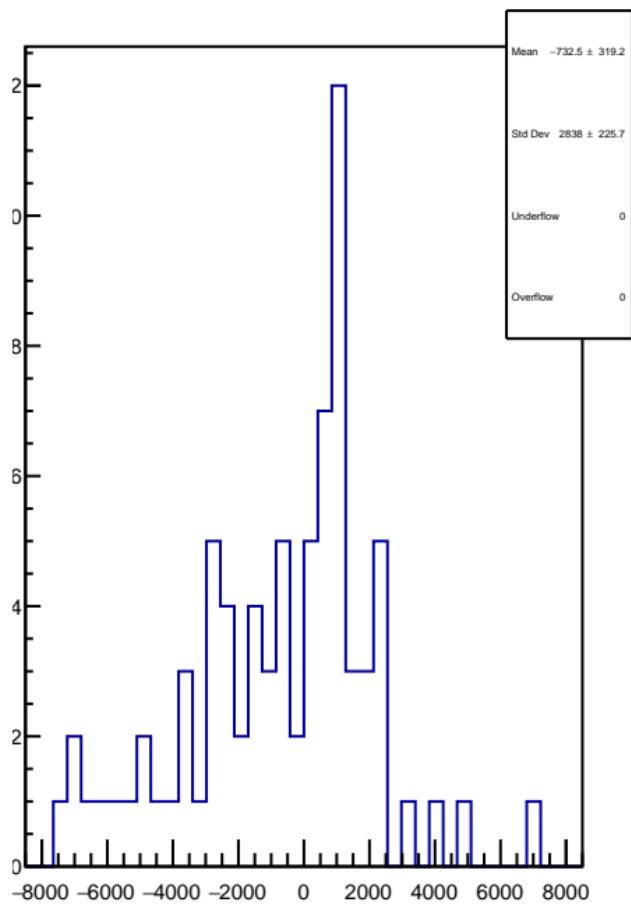
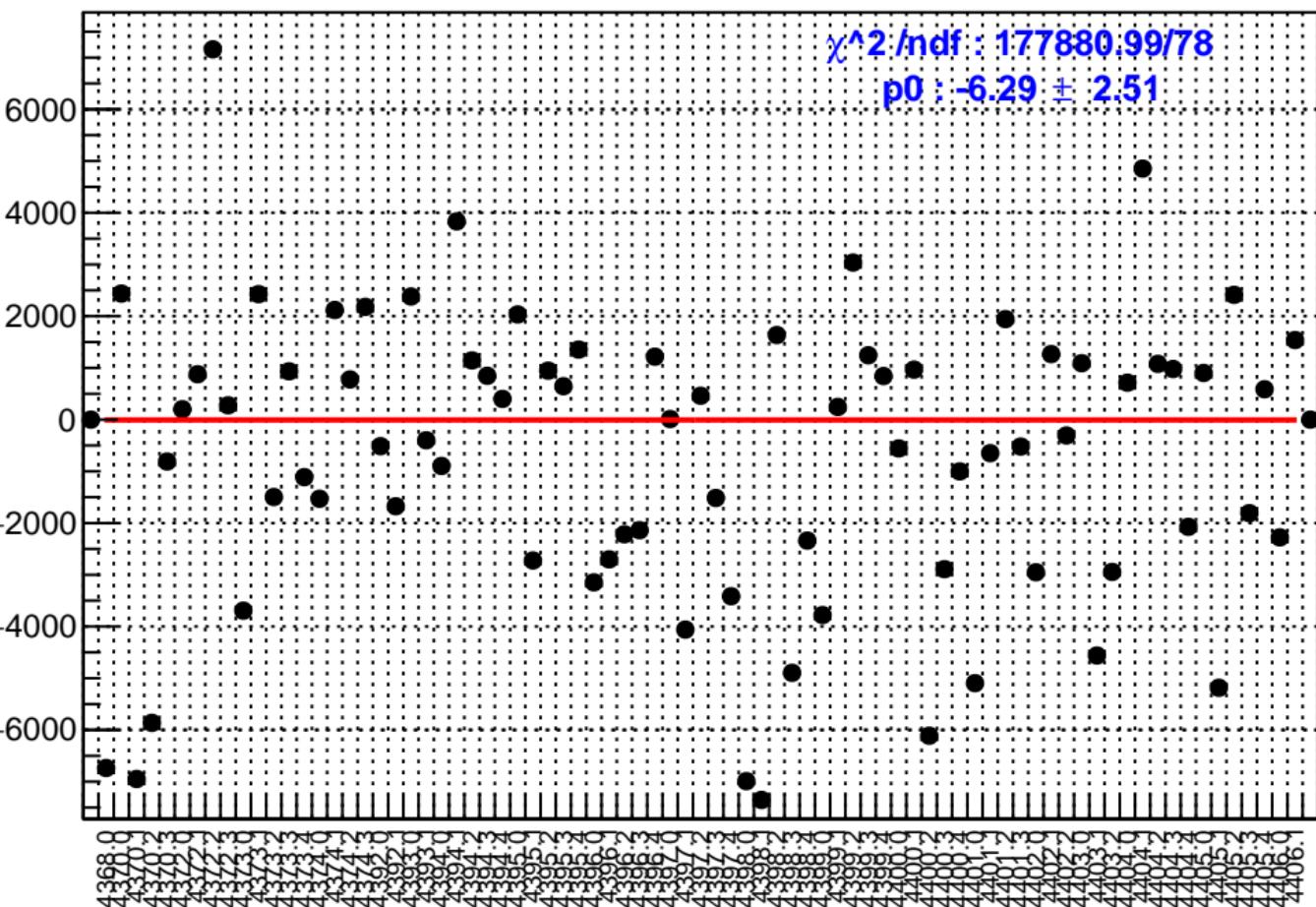


1D pull distribution

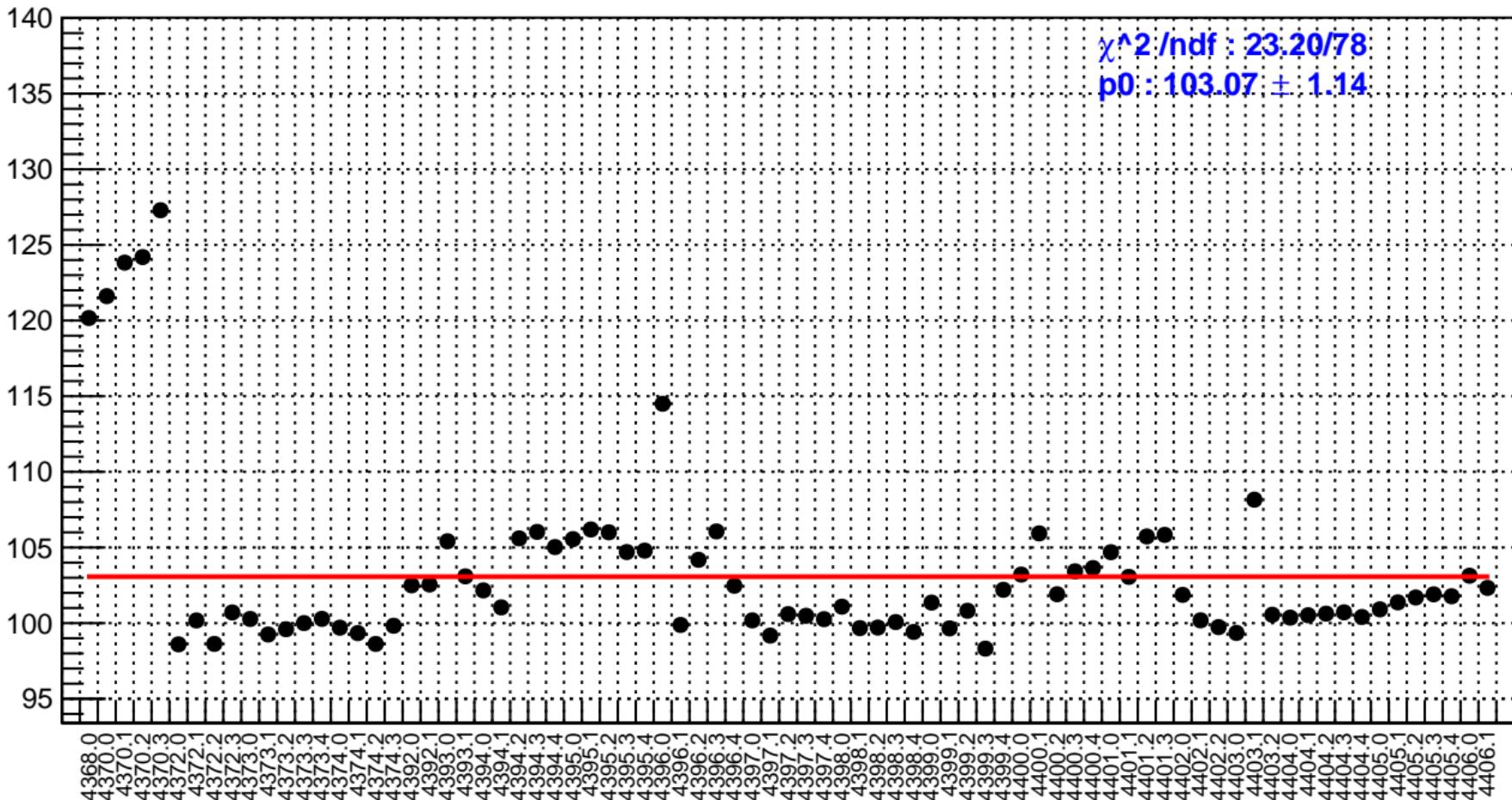


slug59: asym_ds_avg.mean/ppb-reg_asym_ds_avg.mean/ppb

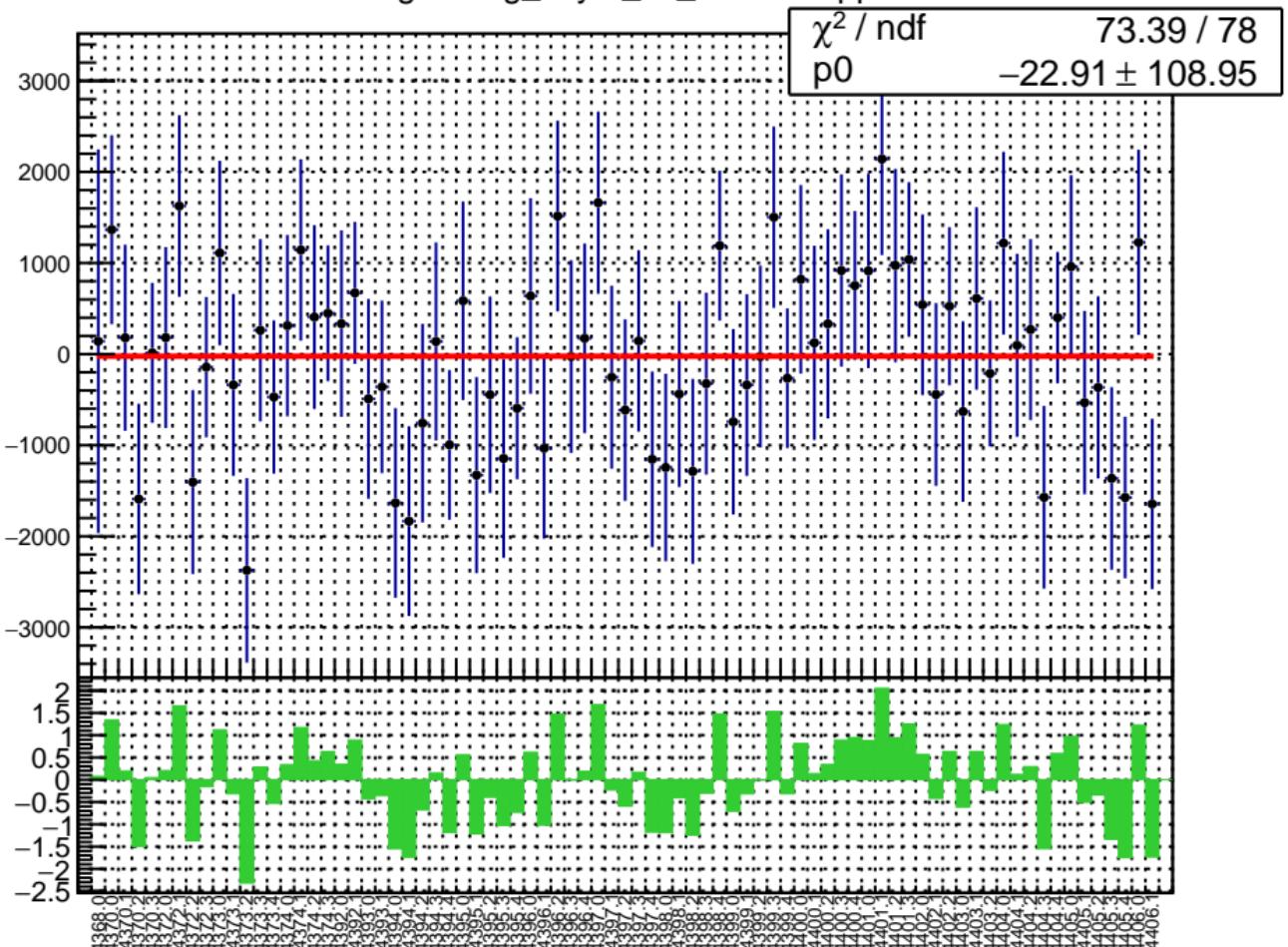
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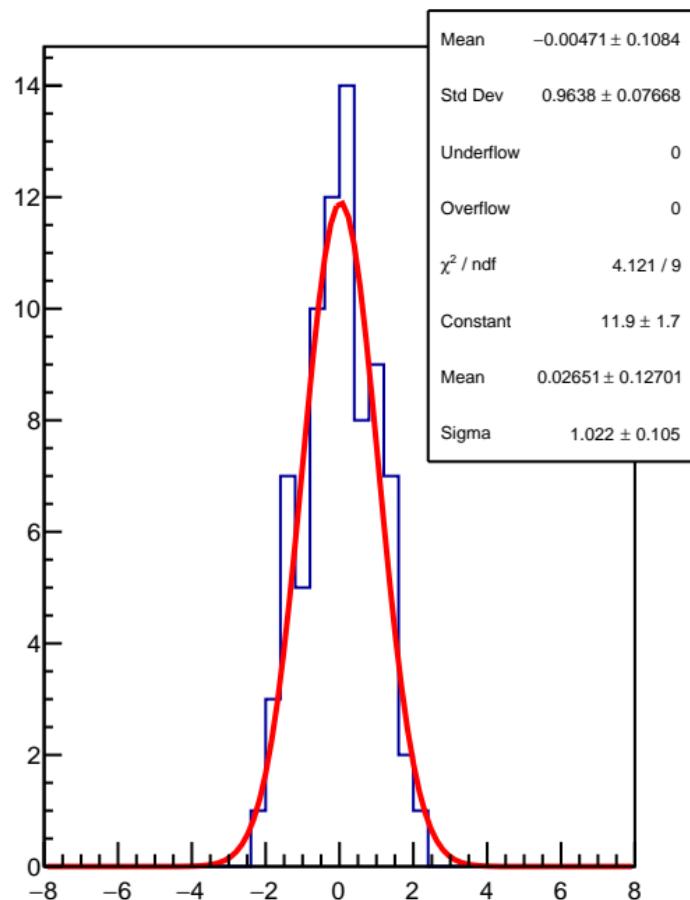
slug59: reg_asym_ds_avg.rms/ppm



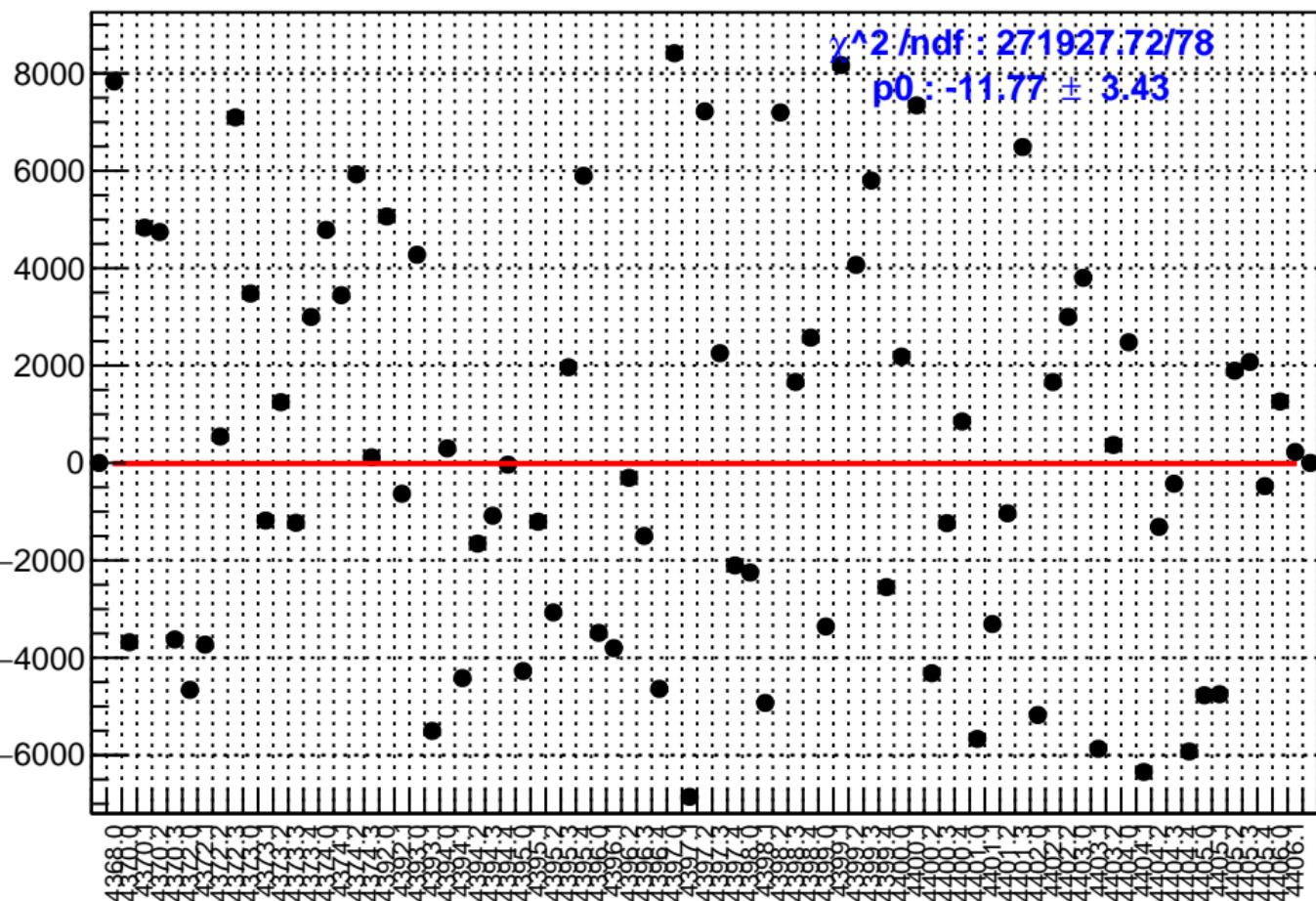
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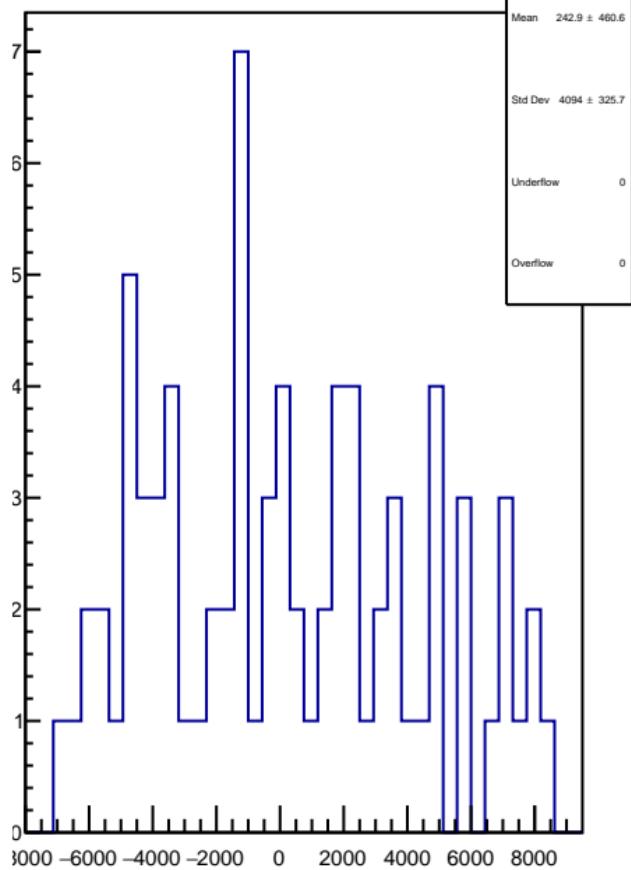
1D pull distribution



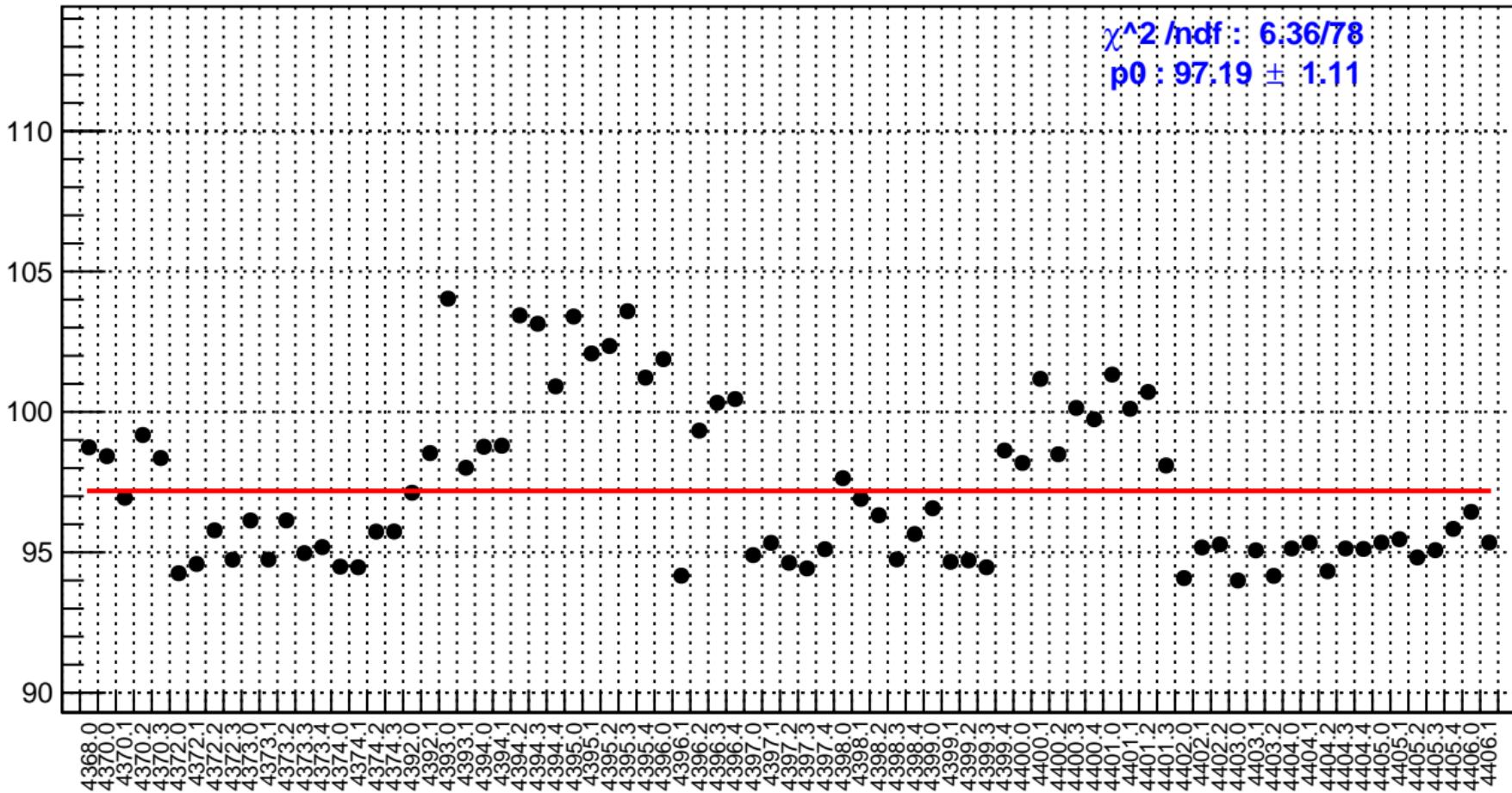
slug59: asym_ds_dd.mean/ppb-reg_asym_ds_dd.mean/ppb



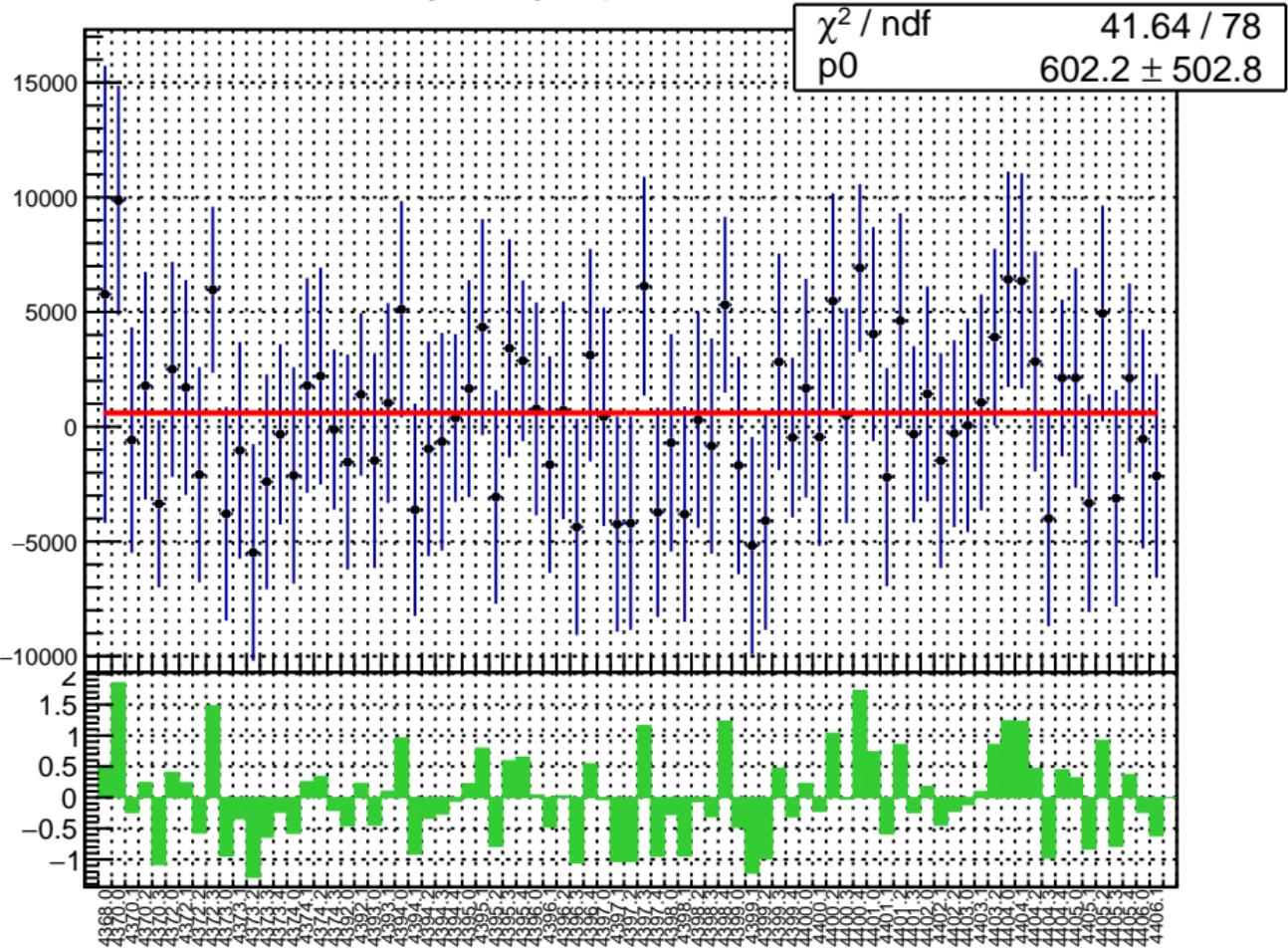
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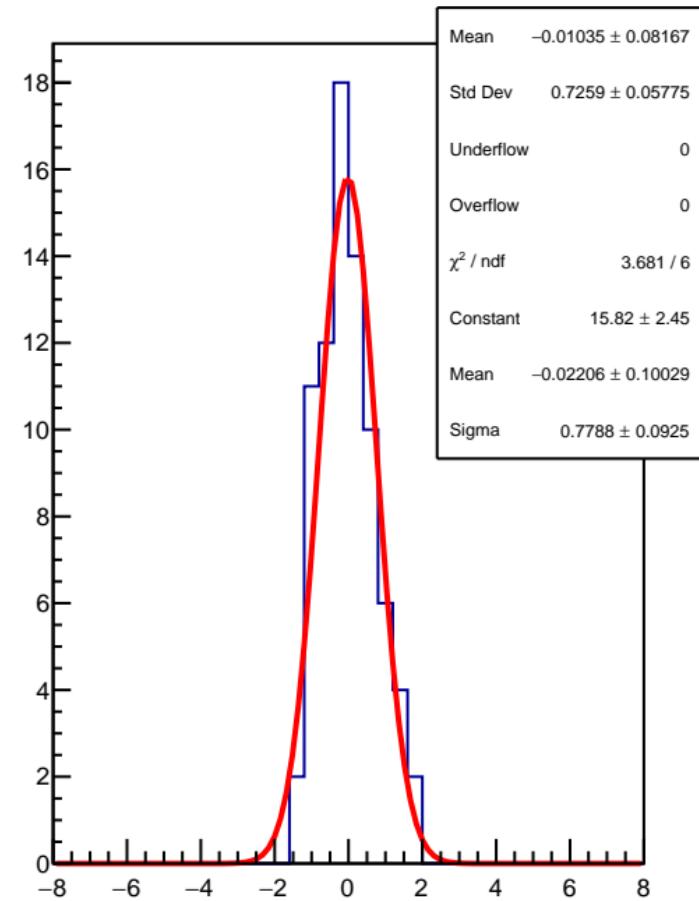
slug59: reg_asym_ds_dd.rms/ppm



slug59: reg_asym_atl1.mean/ppb

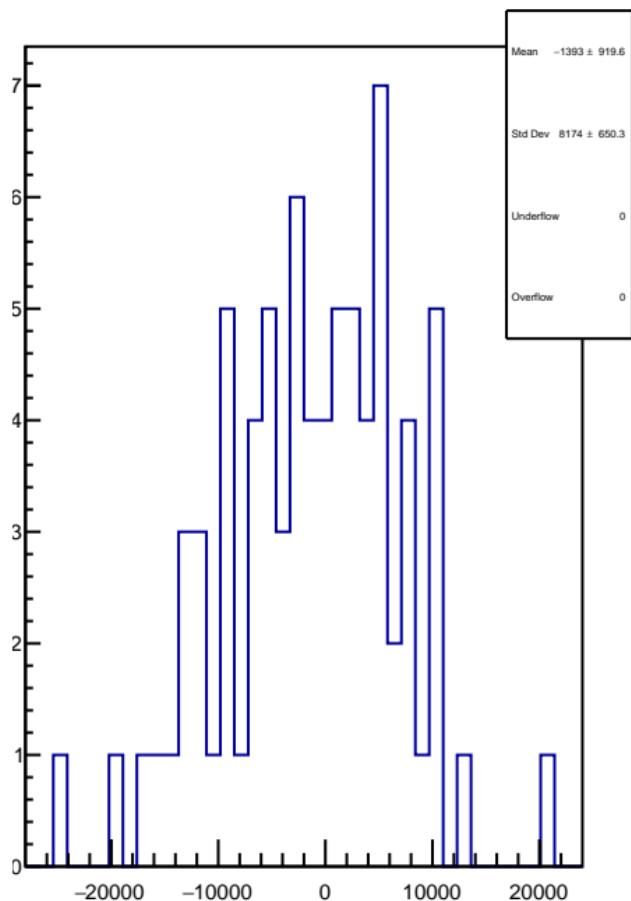
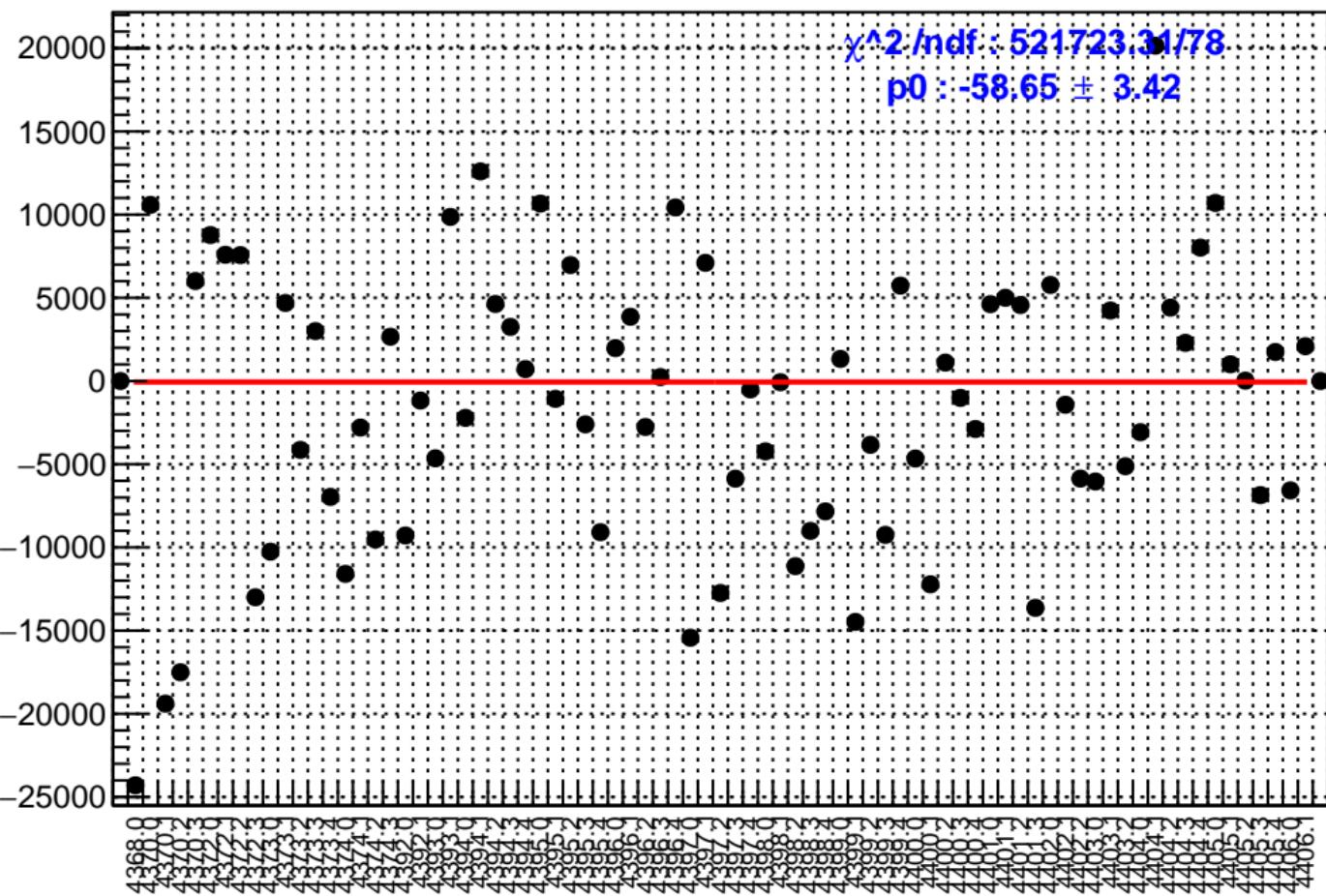


1D pull distribution

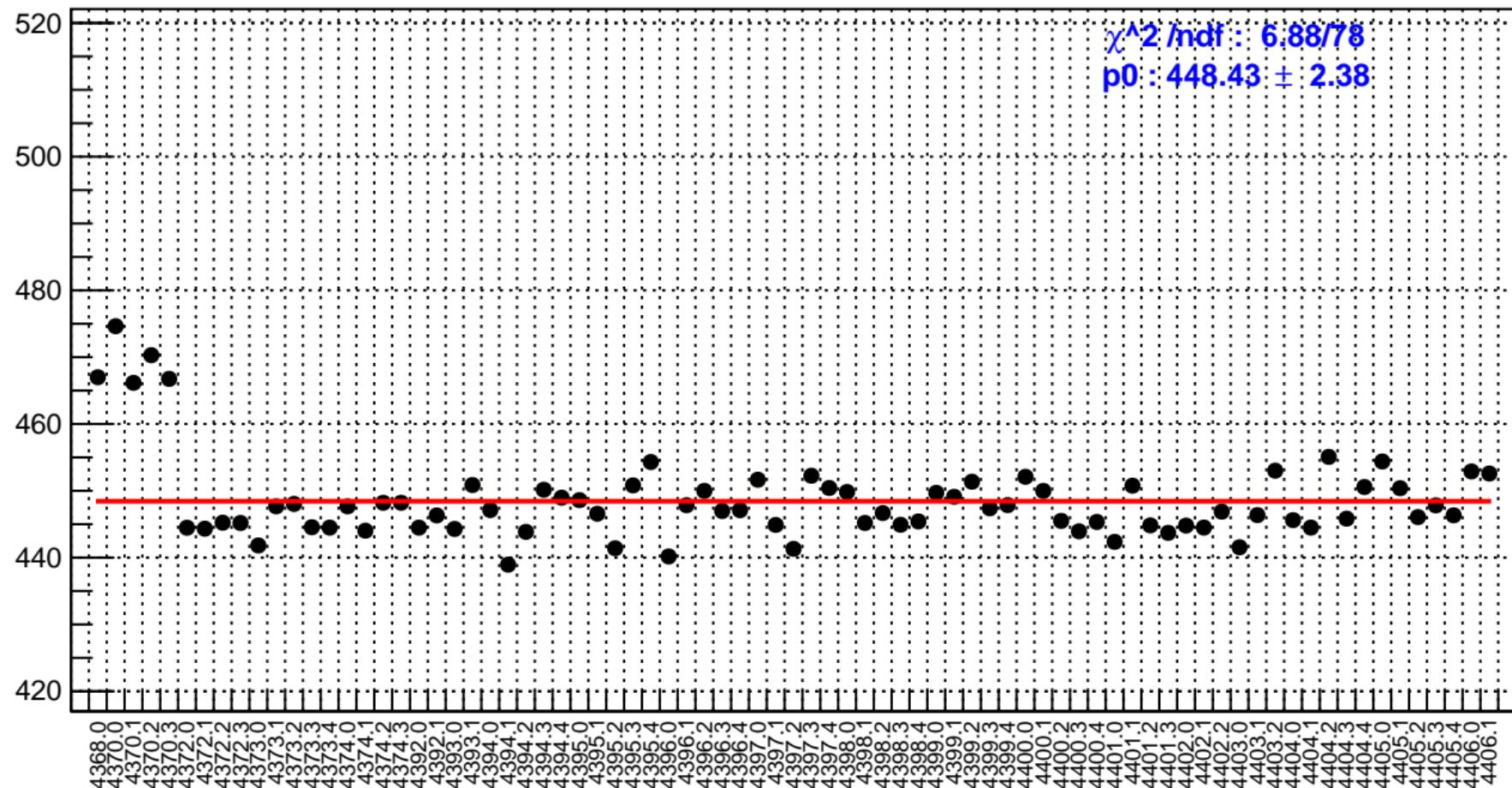


slug59: asym_atl1.mean/ppb-reg_asym_atl1.mean/ppb

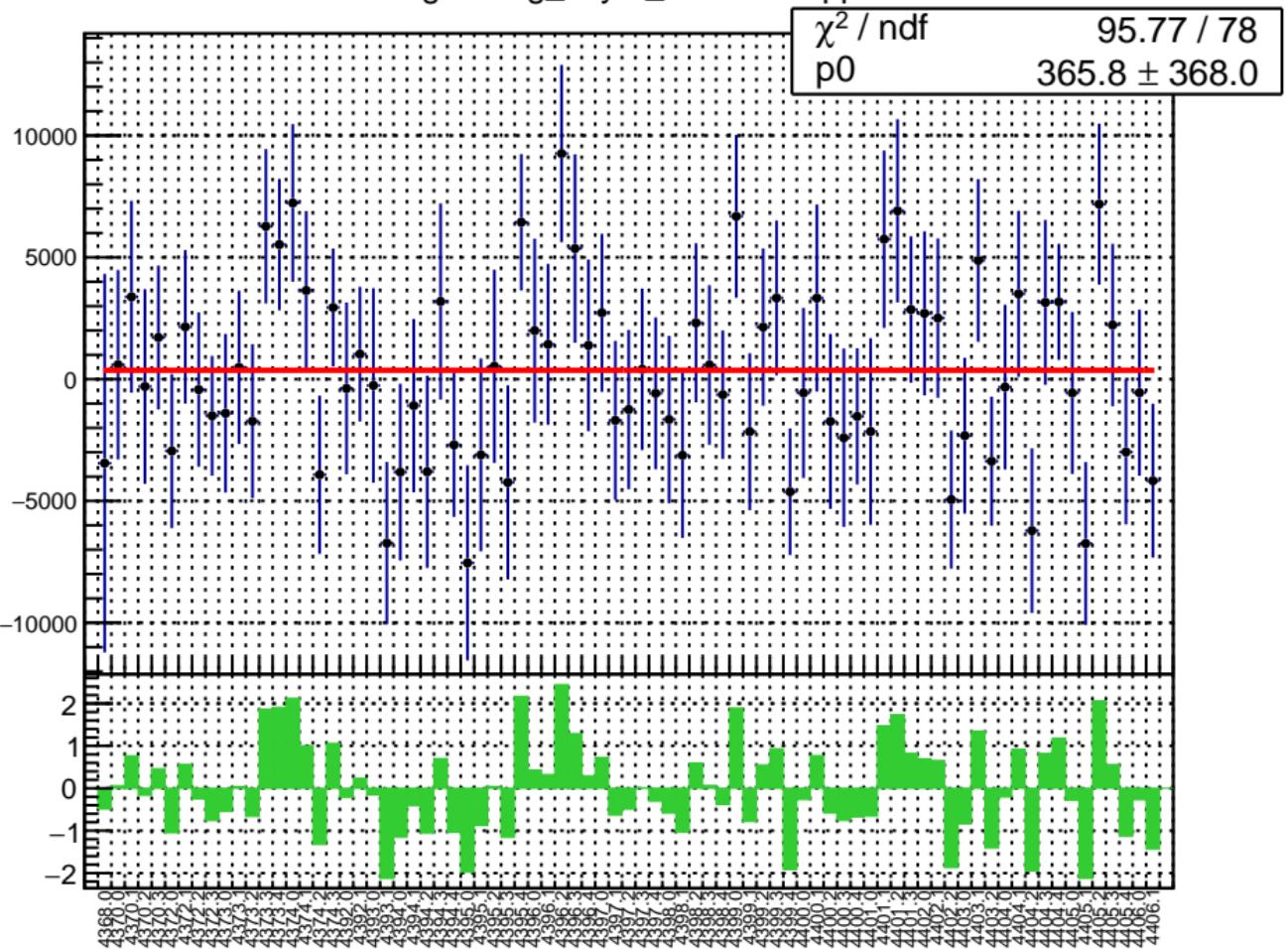
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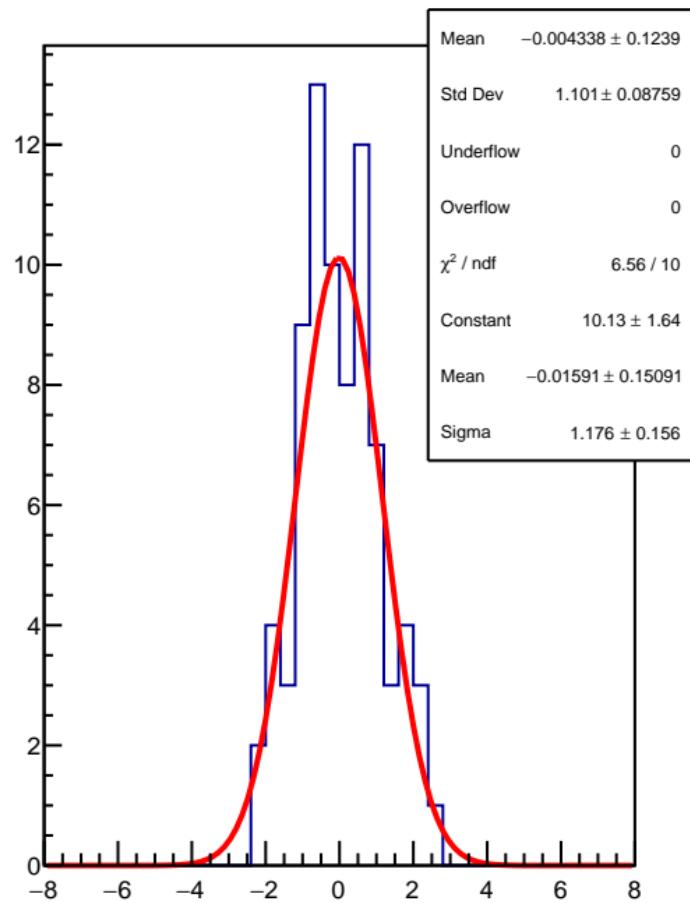
slug59: reg_asym_atl1.rms/ppm



slug59: reg_asym_atl2.mean/ppb

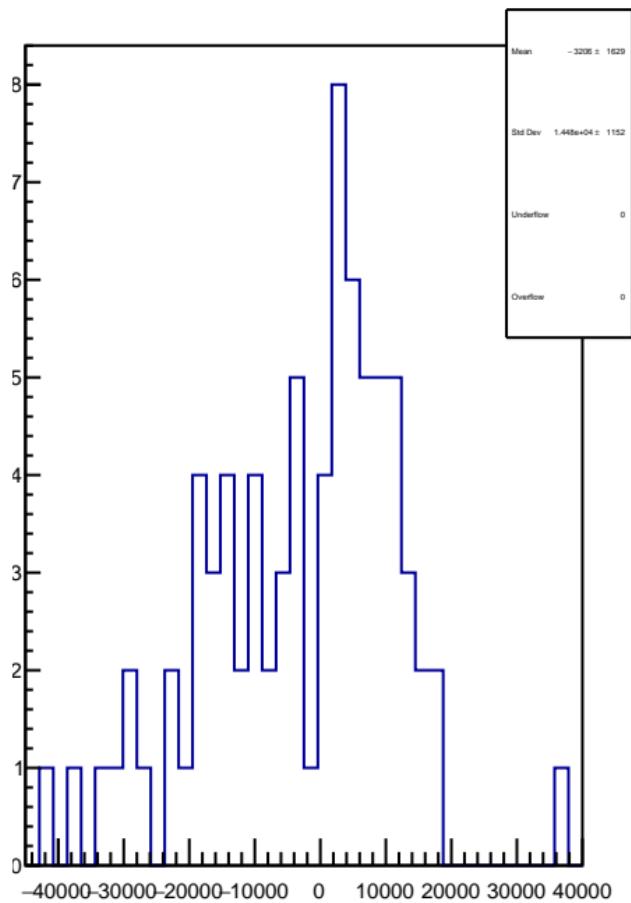
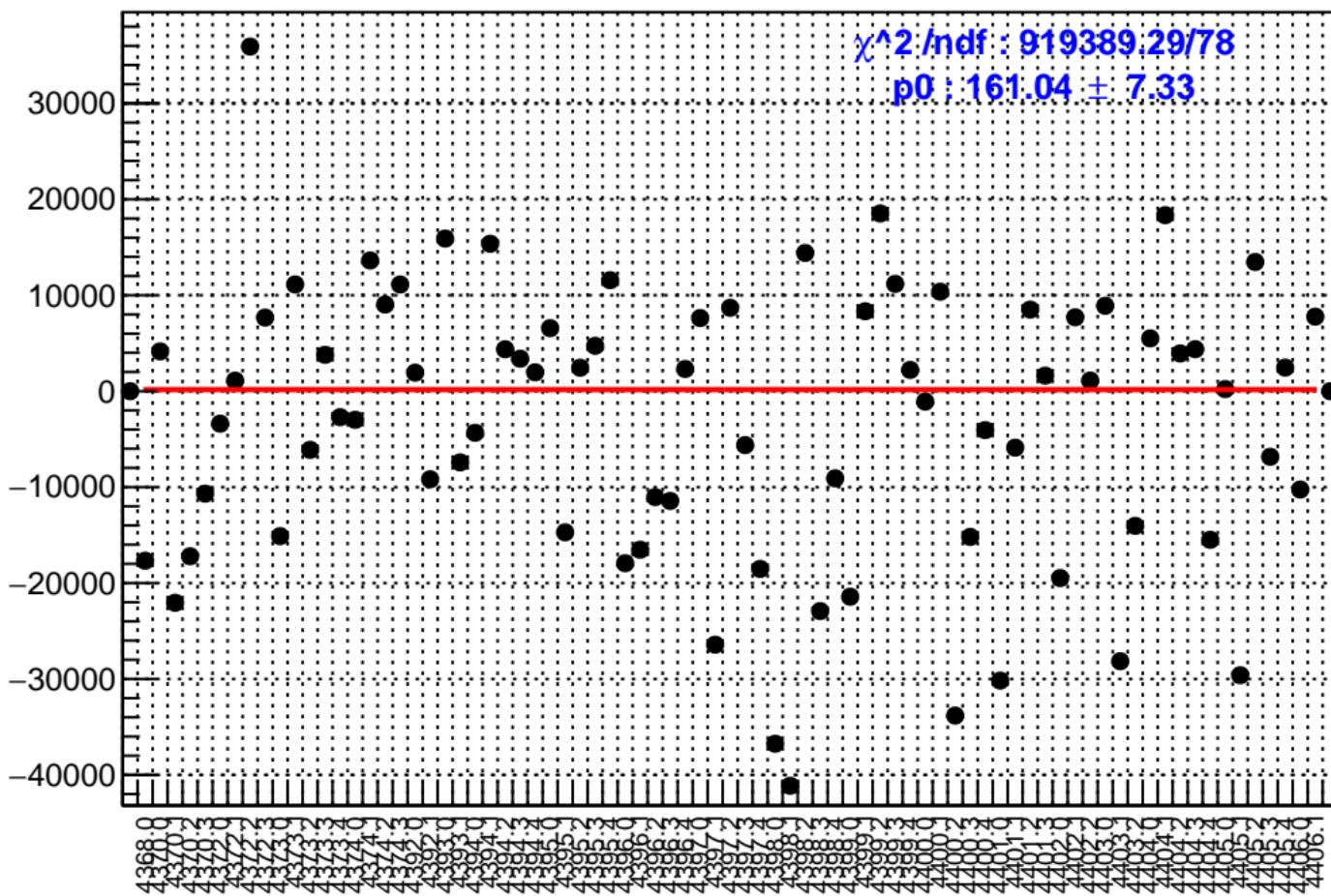


1D pull distribution

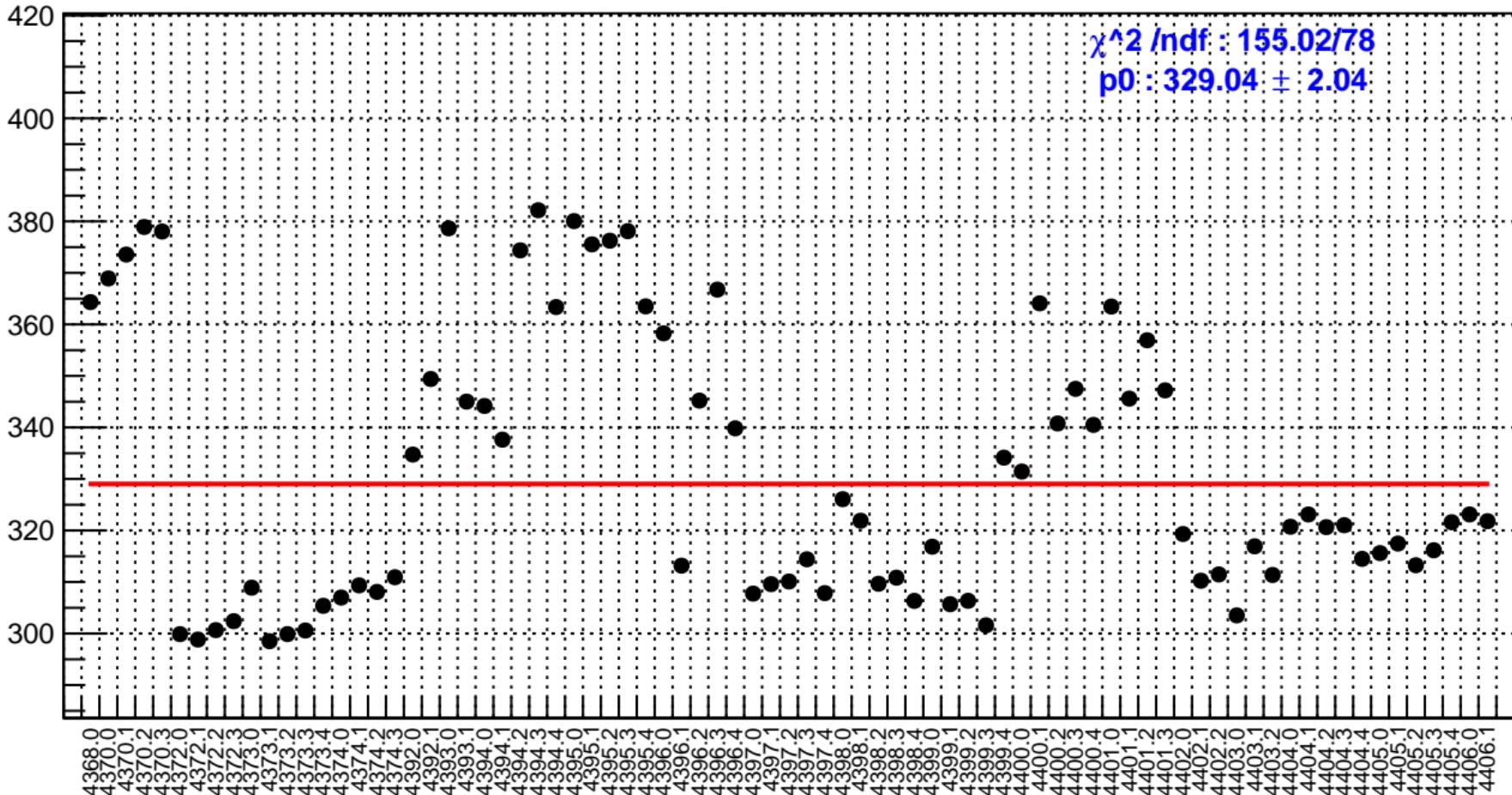


slug59: asym_atl2.mean/ppb-reg_asym_atl2.mean/ppb

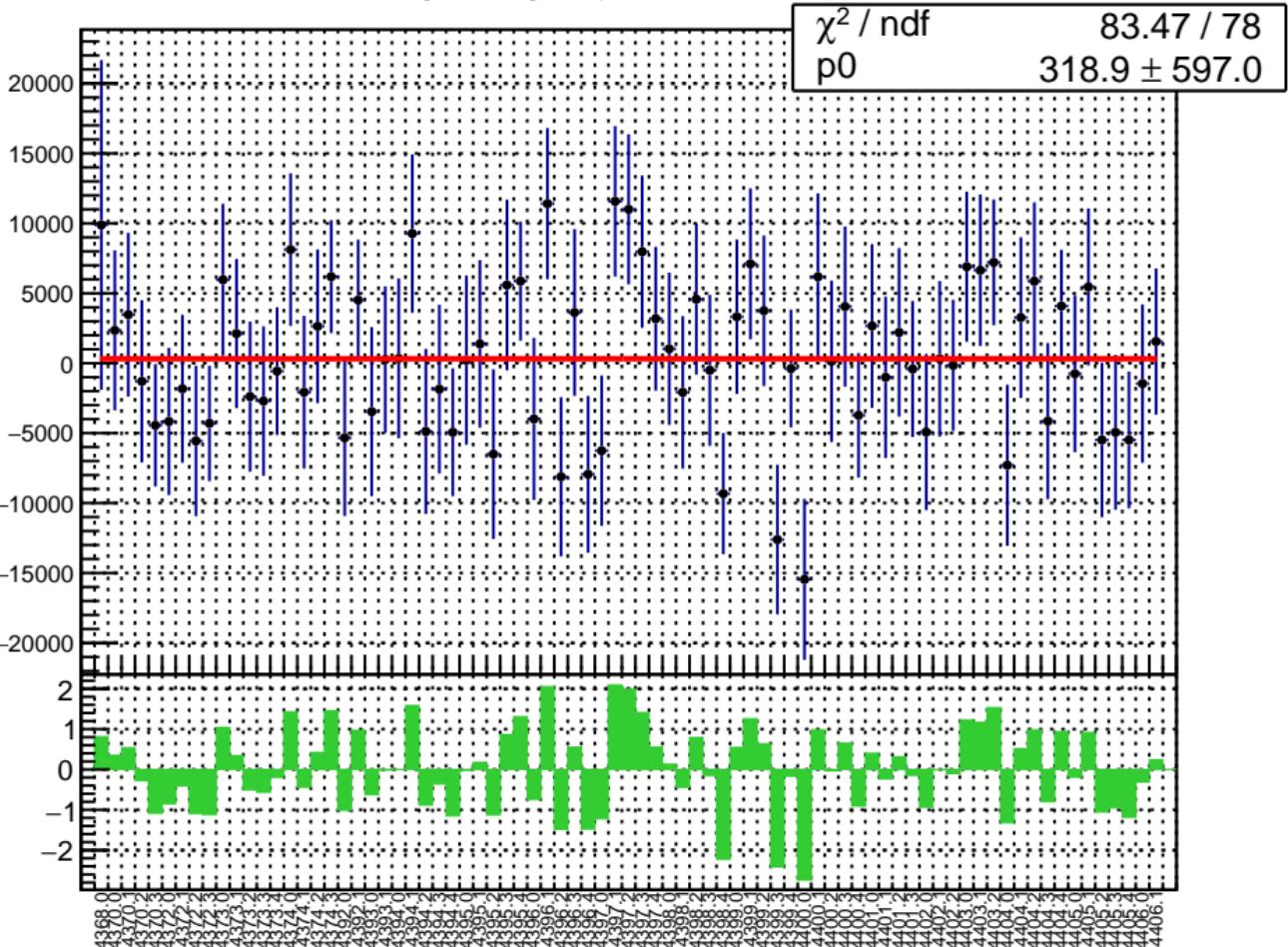
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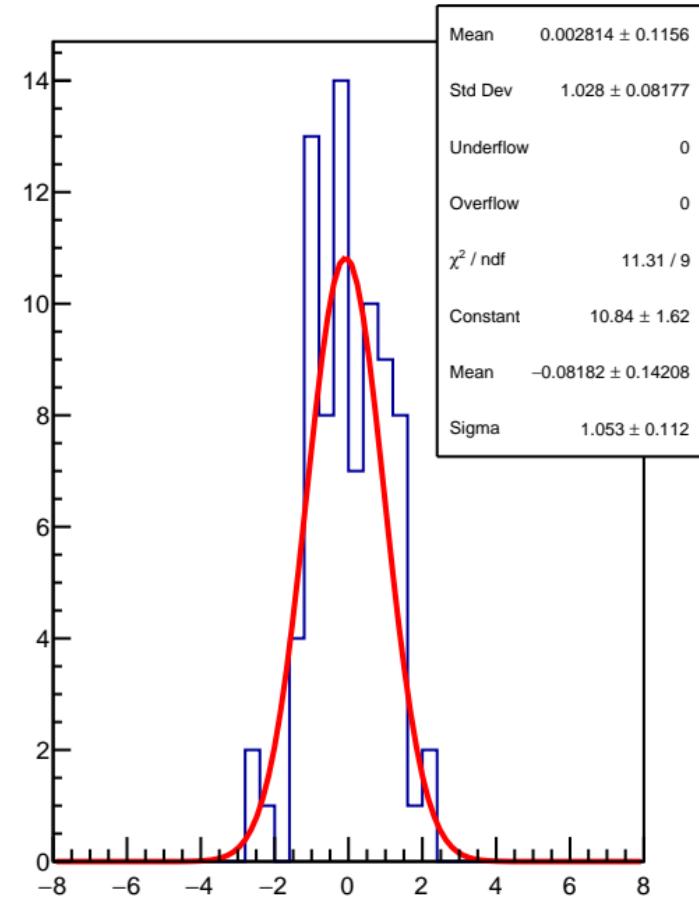
slug59: reg_asym_atl2.rms/ppm



slug59: reg_asym_atr1.mean/ppb

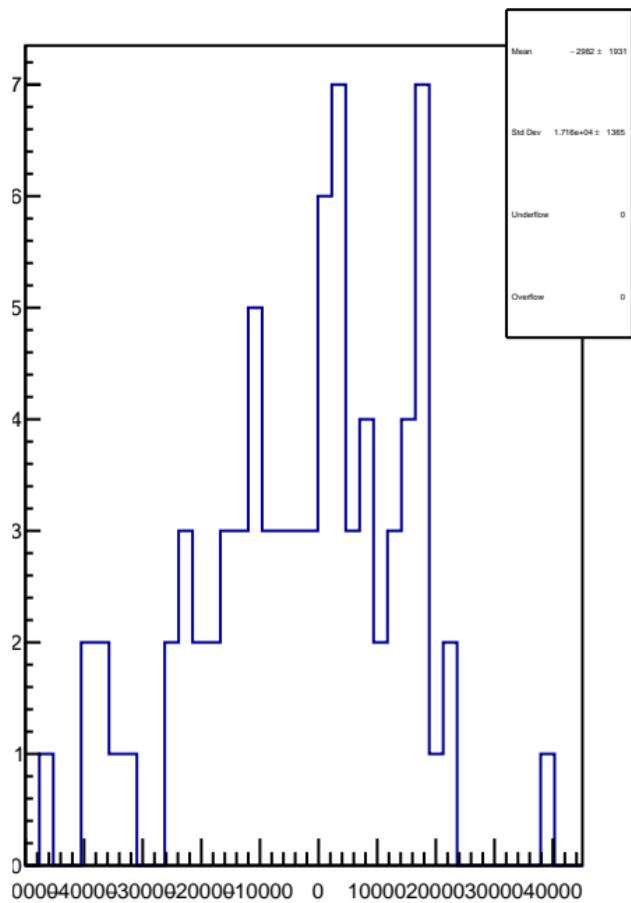
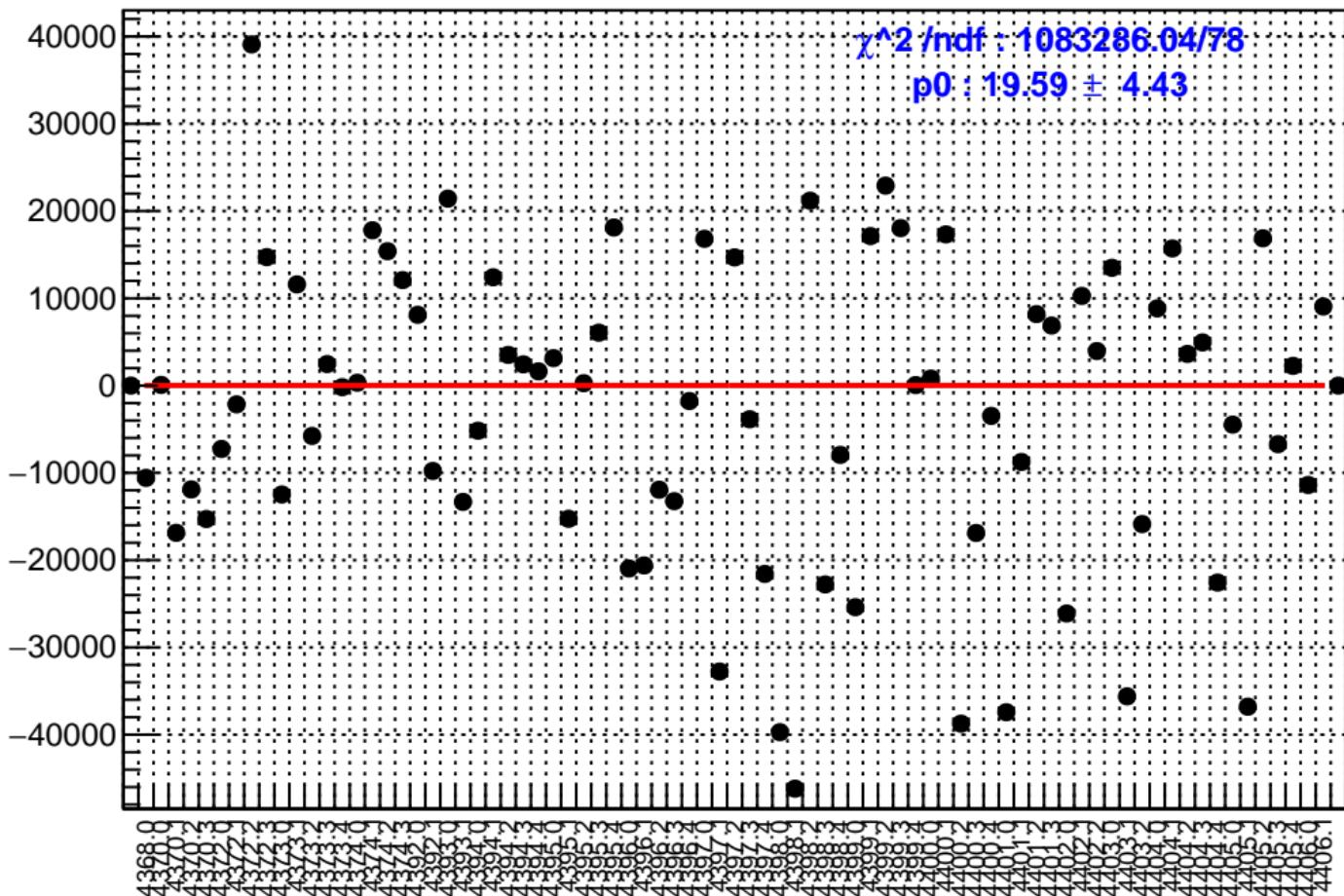


1D pull distribution

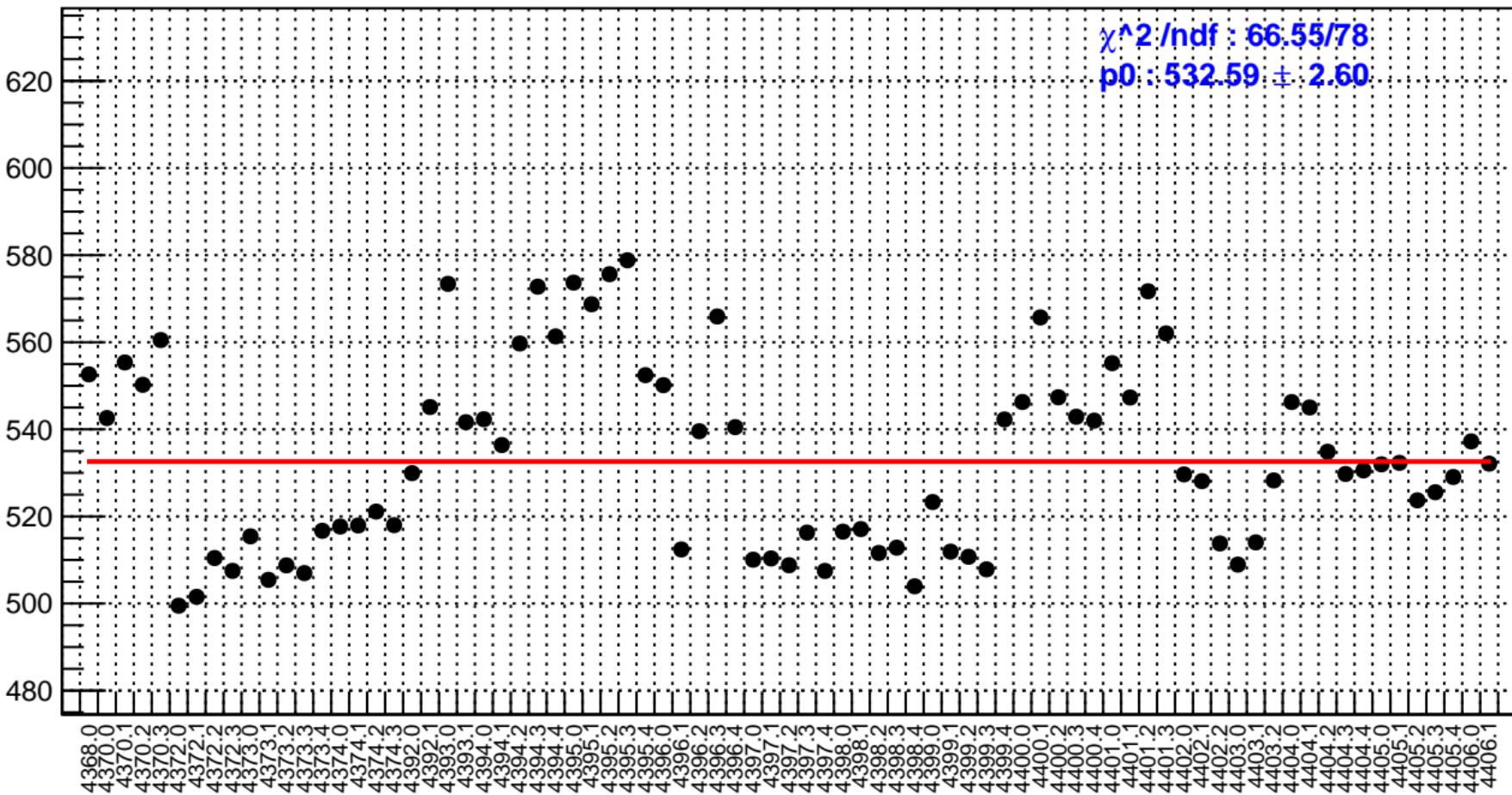


slug59: asym_atr1.mean/ppb-reg_asym_atr1.mean/ppb

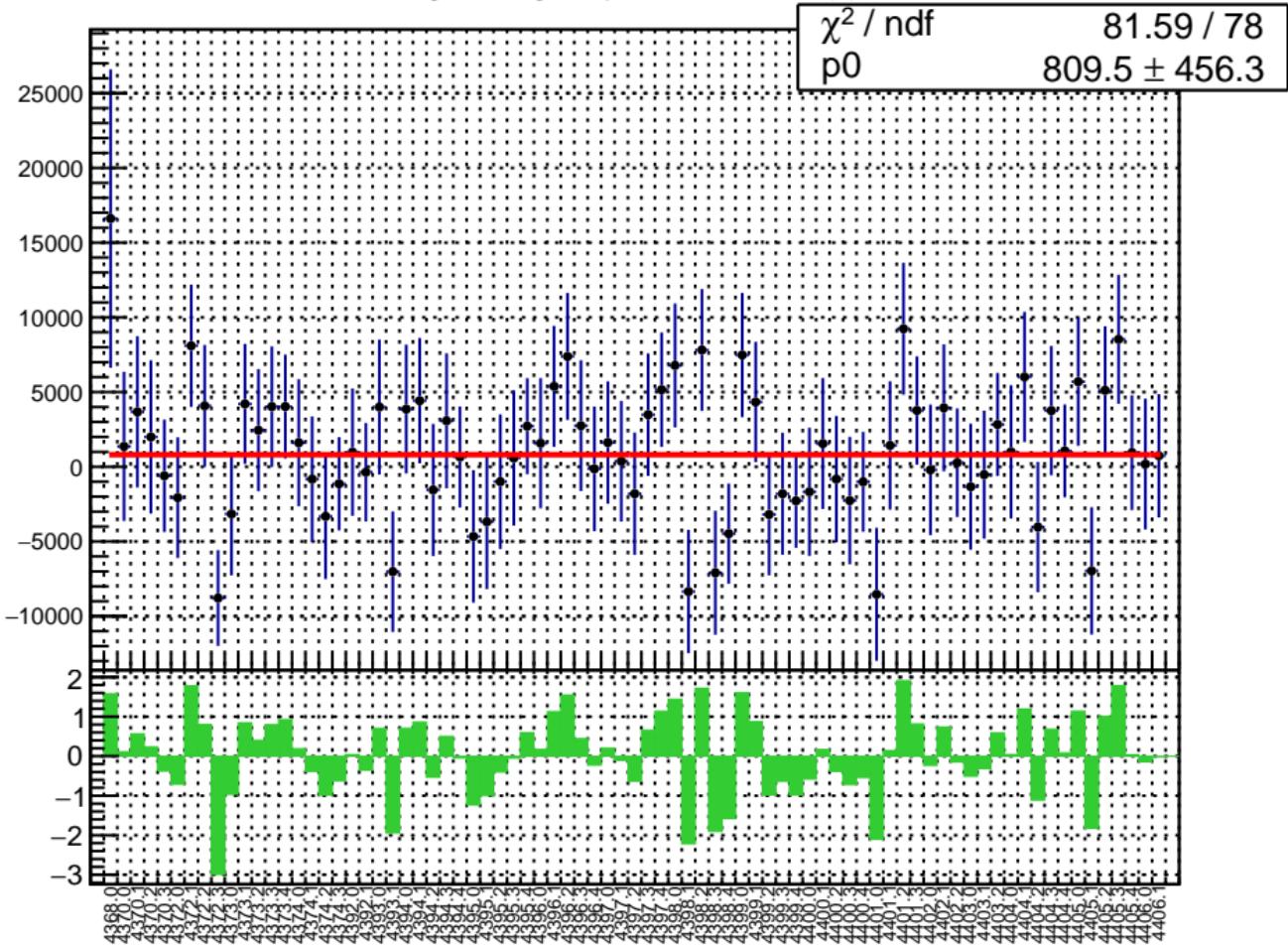
slug59: 1D Corr asym_atr1.mean/ppb-reg_asym_atr1.mean/ppb



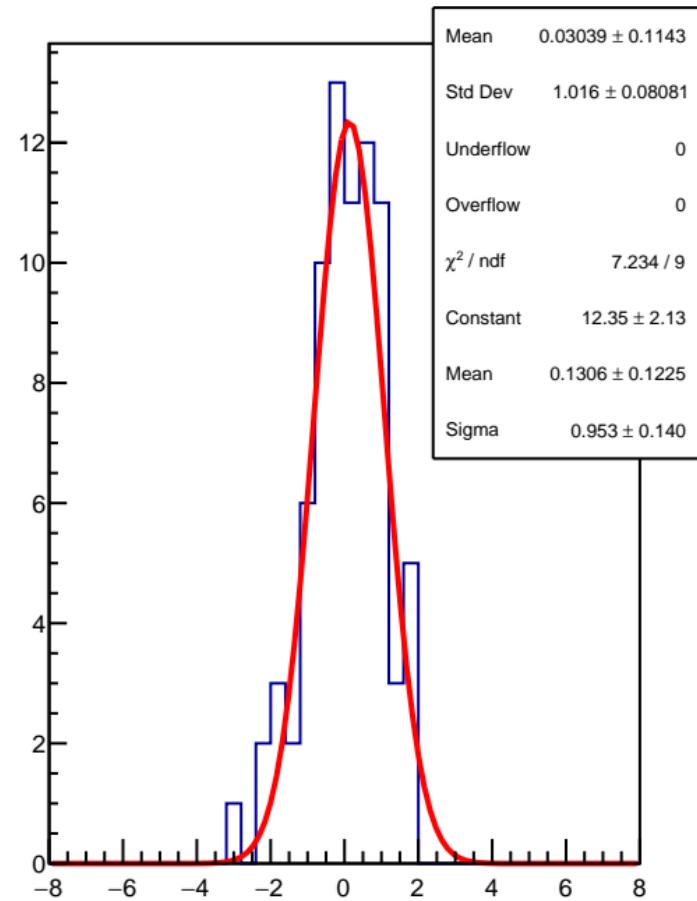
slug59: reg_asym_atr1.rms/ppm



slug59: reg_asym_atr2.mean/ppb

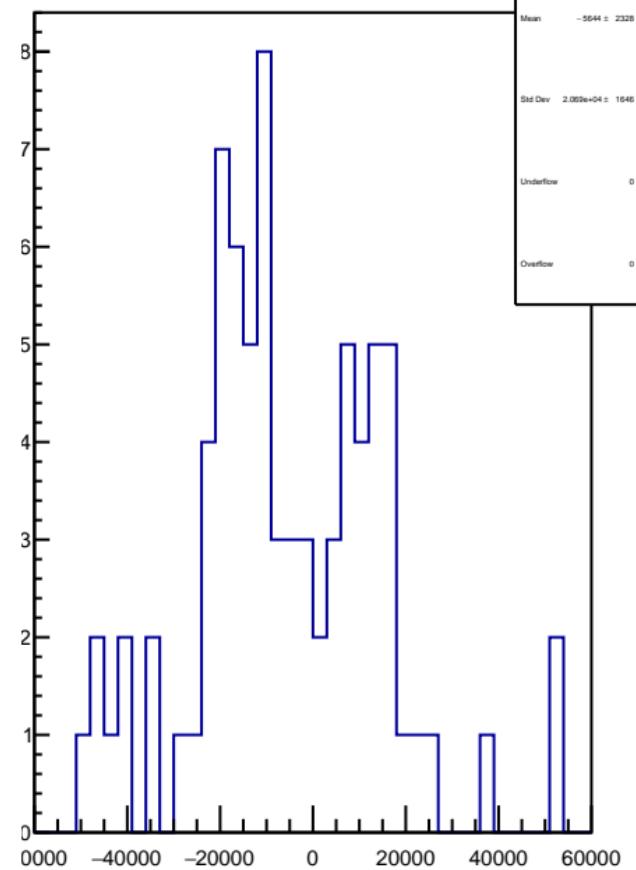
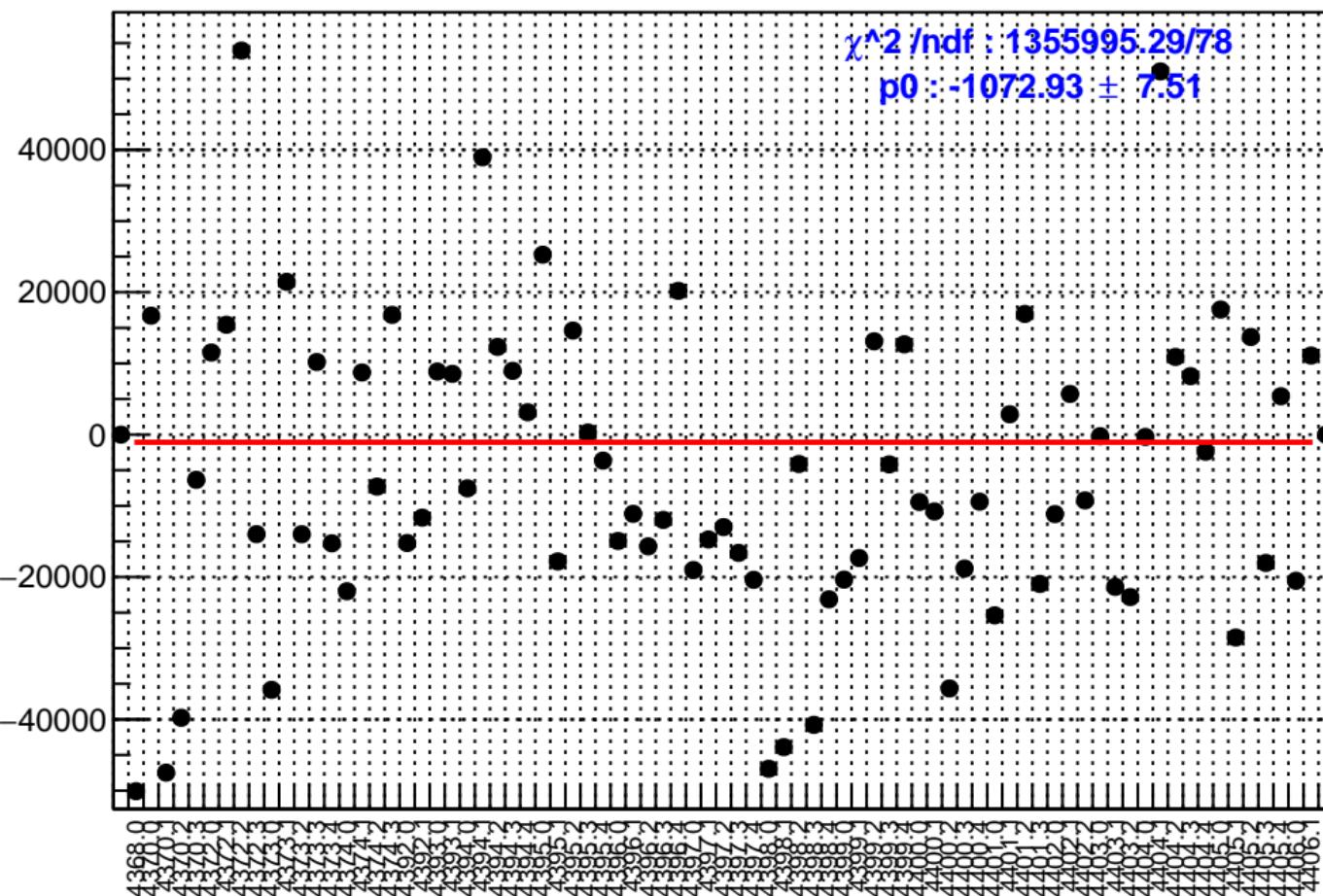


1D pull distribution

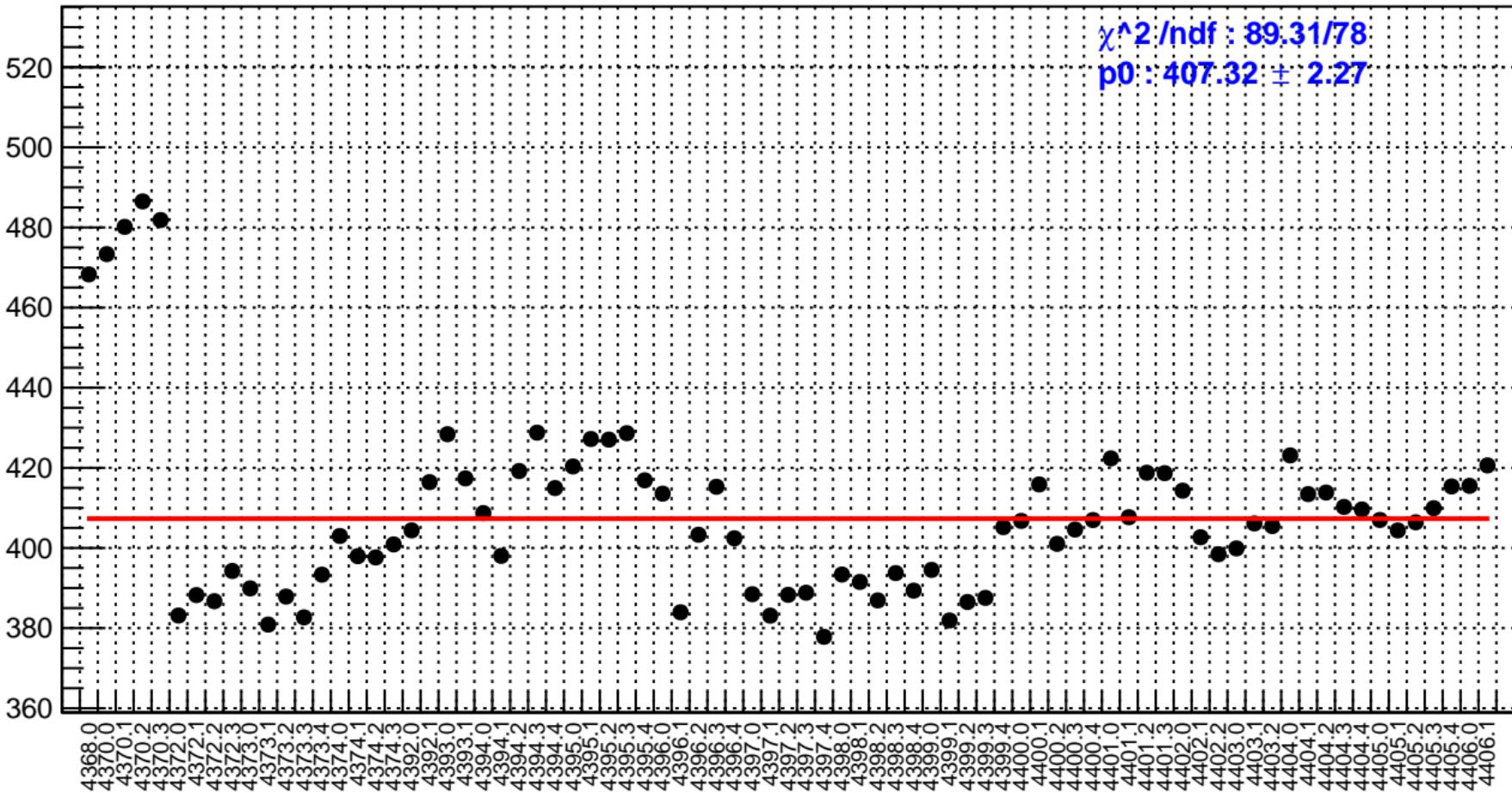


slug59: asym_atr2.mean/ppb-reg_asym_atr2.mean/ppb

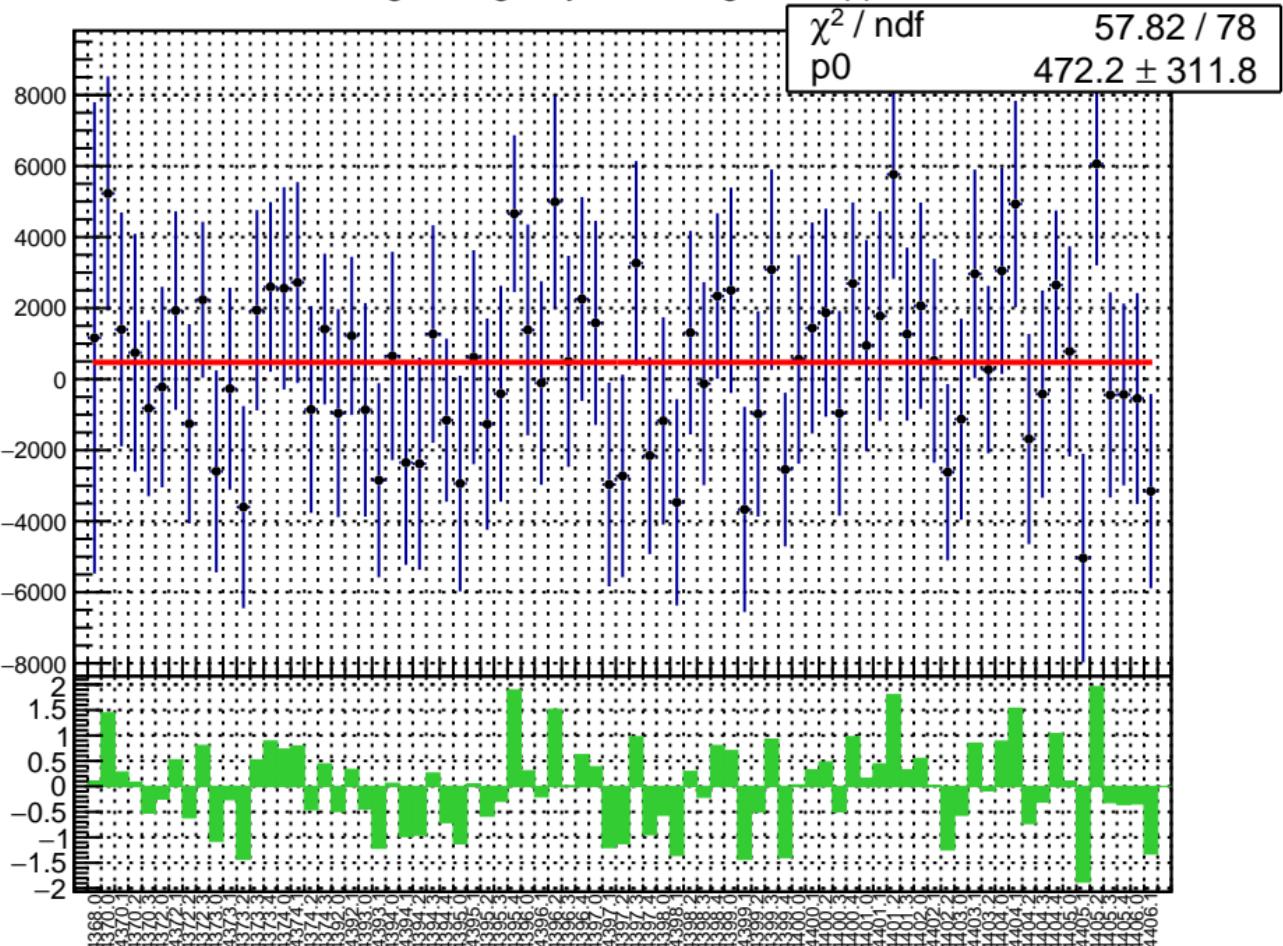
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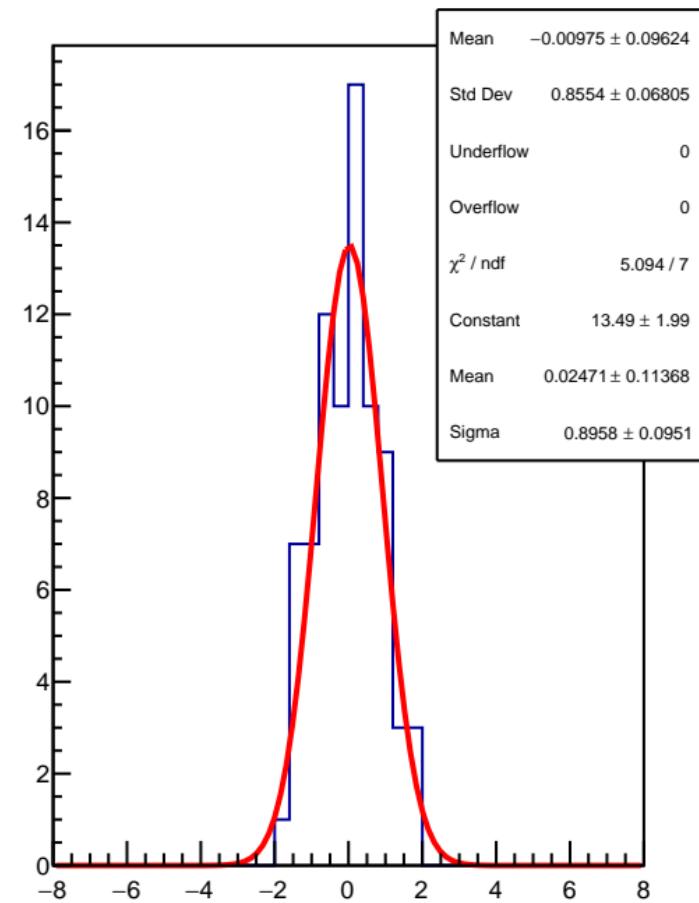
slug59: reg_asym_atr2.rms/ppm



slug59: reg_asym_atl_avg.mean/ppb

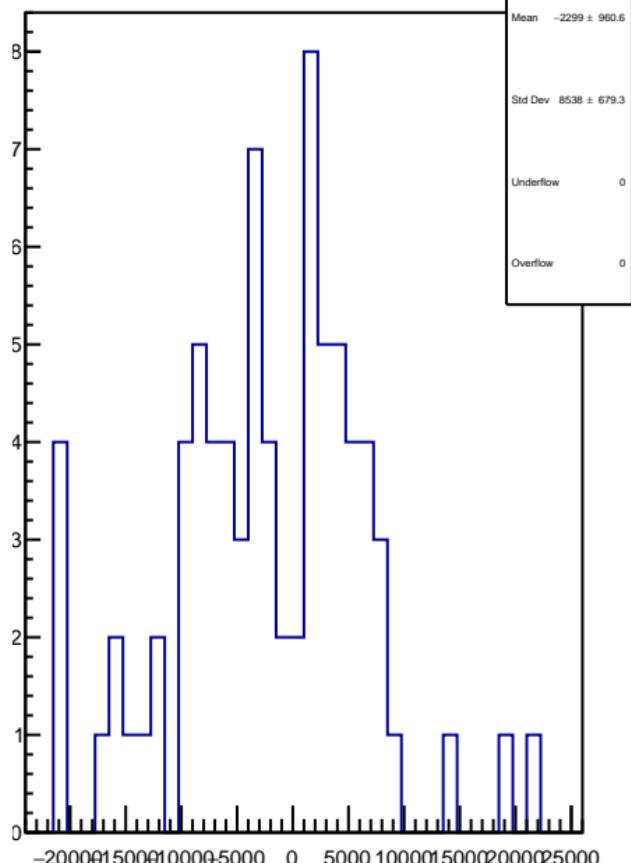
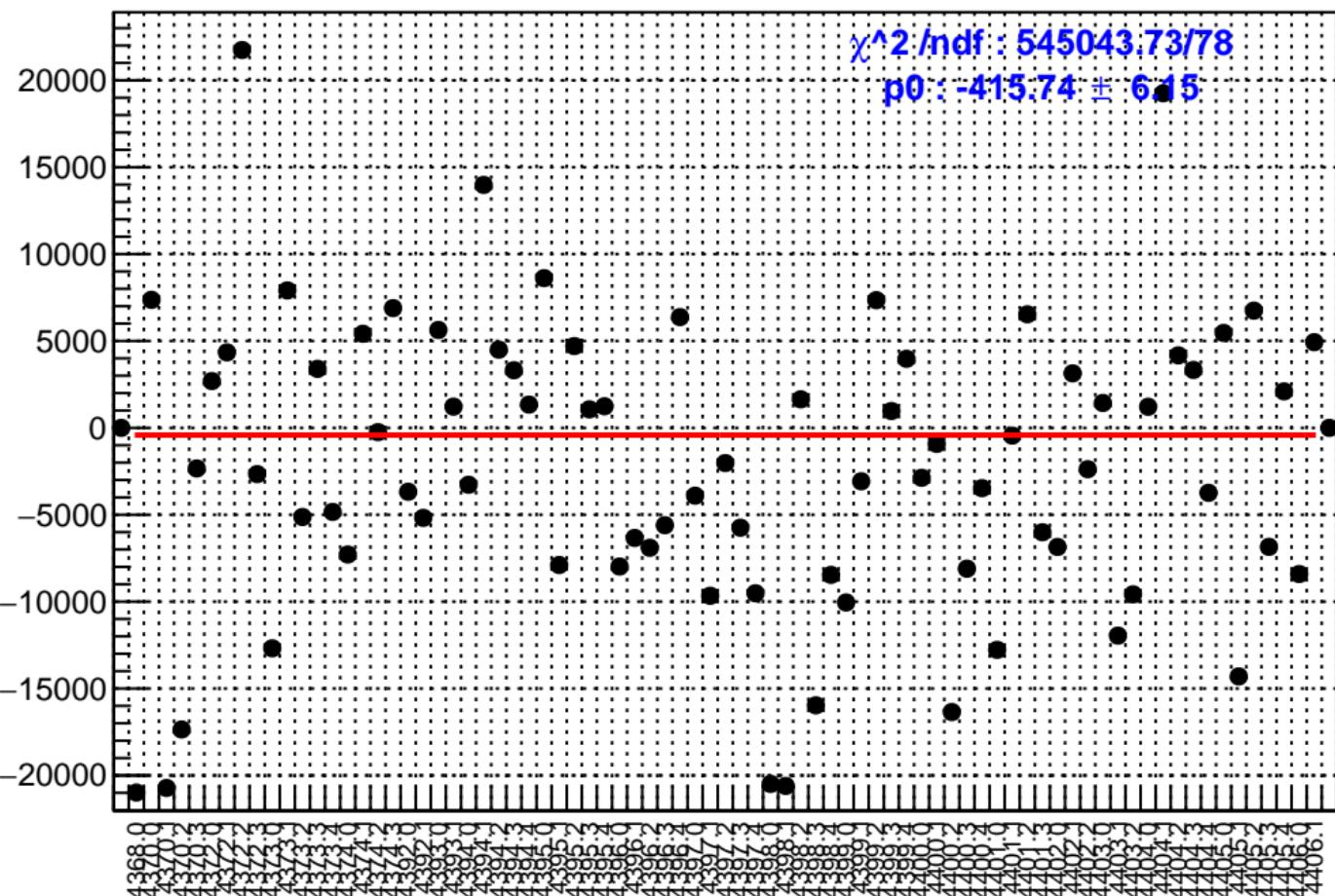


1D pull distribution

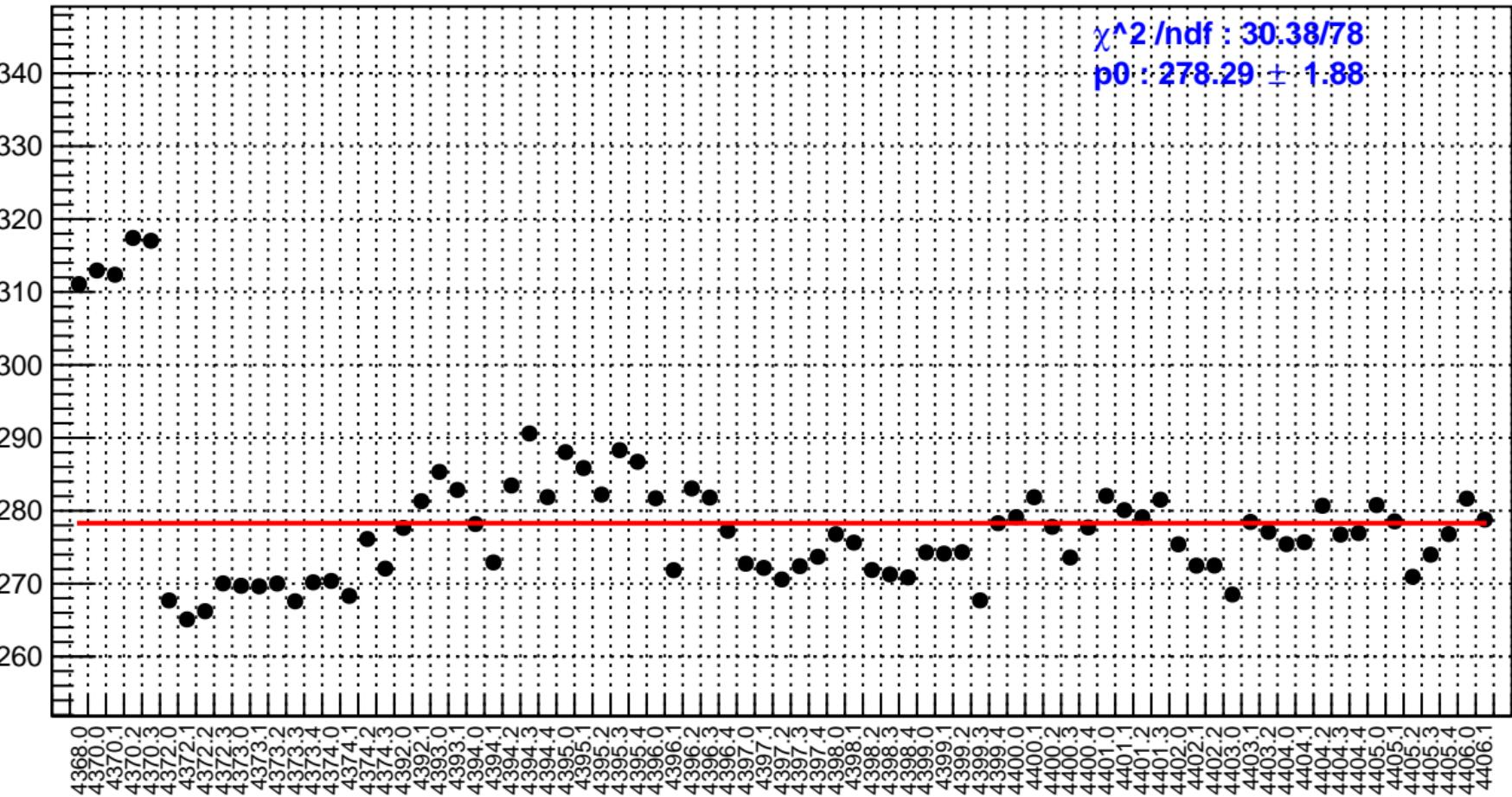


slug59: asym_atl_avg.mean/ppb-reg_asym_atl_avg.mean/ppb

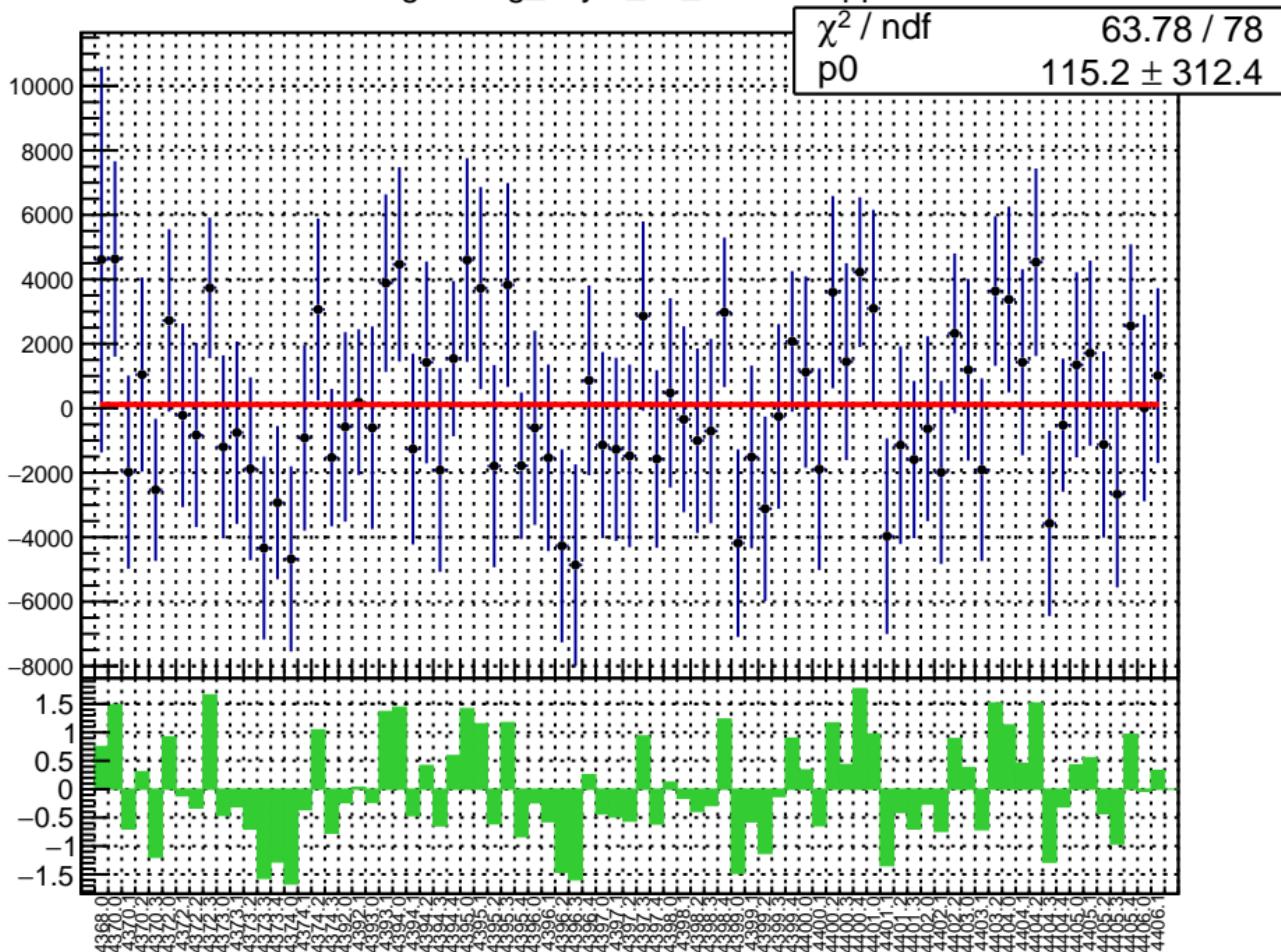
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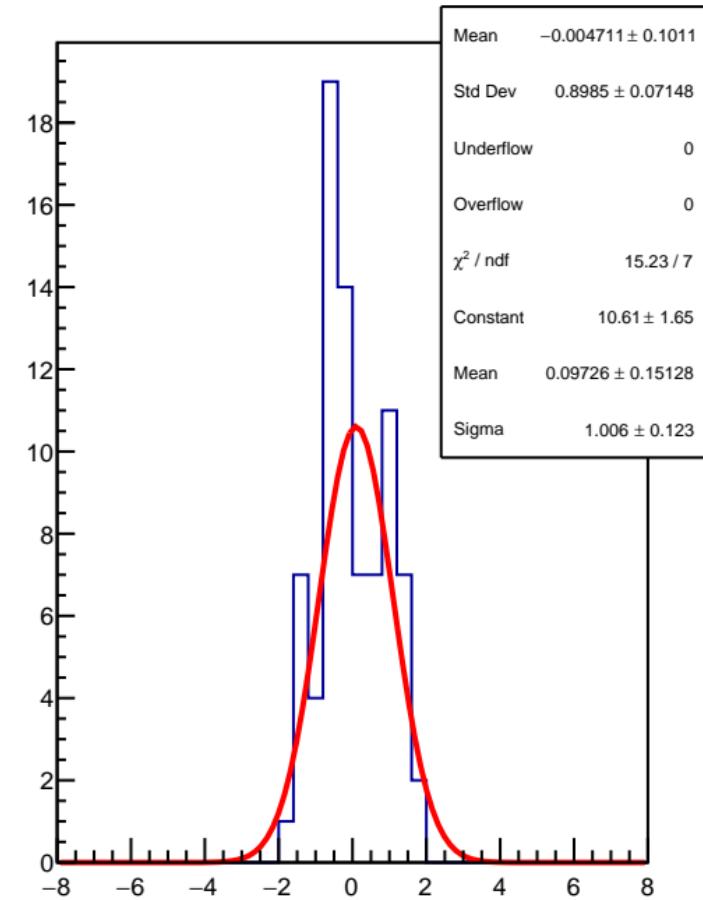
slug59: reg_asym_atl_avg.rms/ppm



slug59: reg_asym_atl_dd.mean/ppb

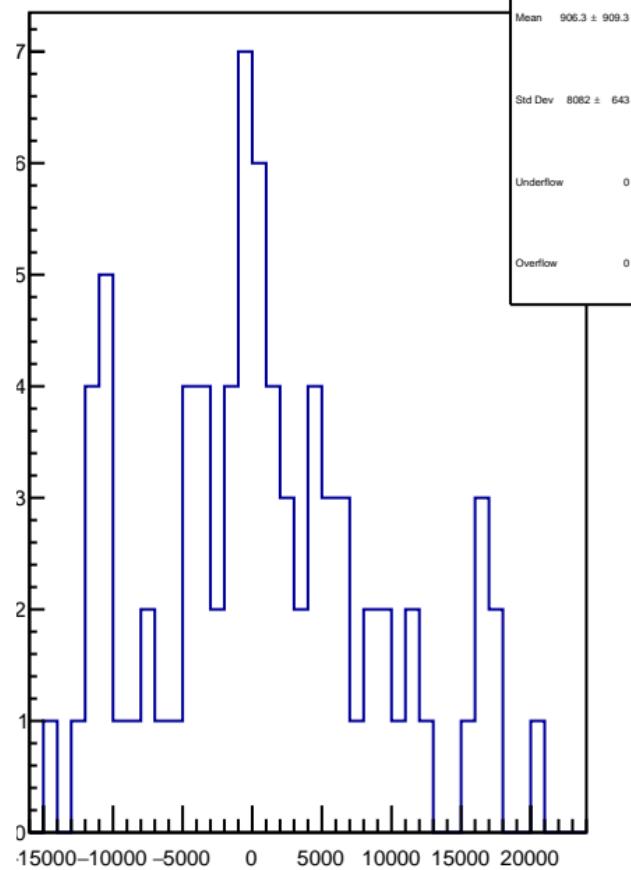
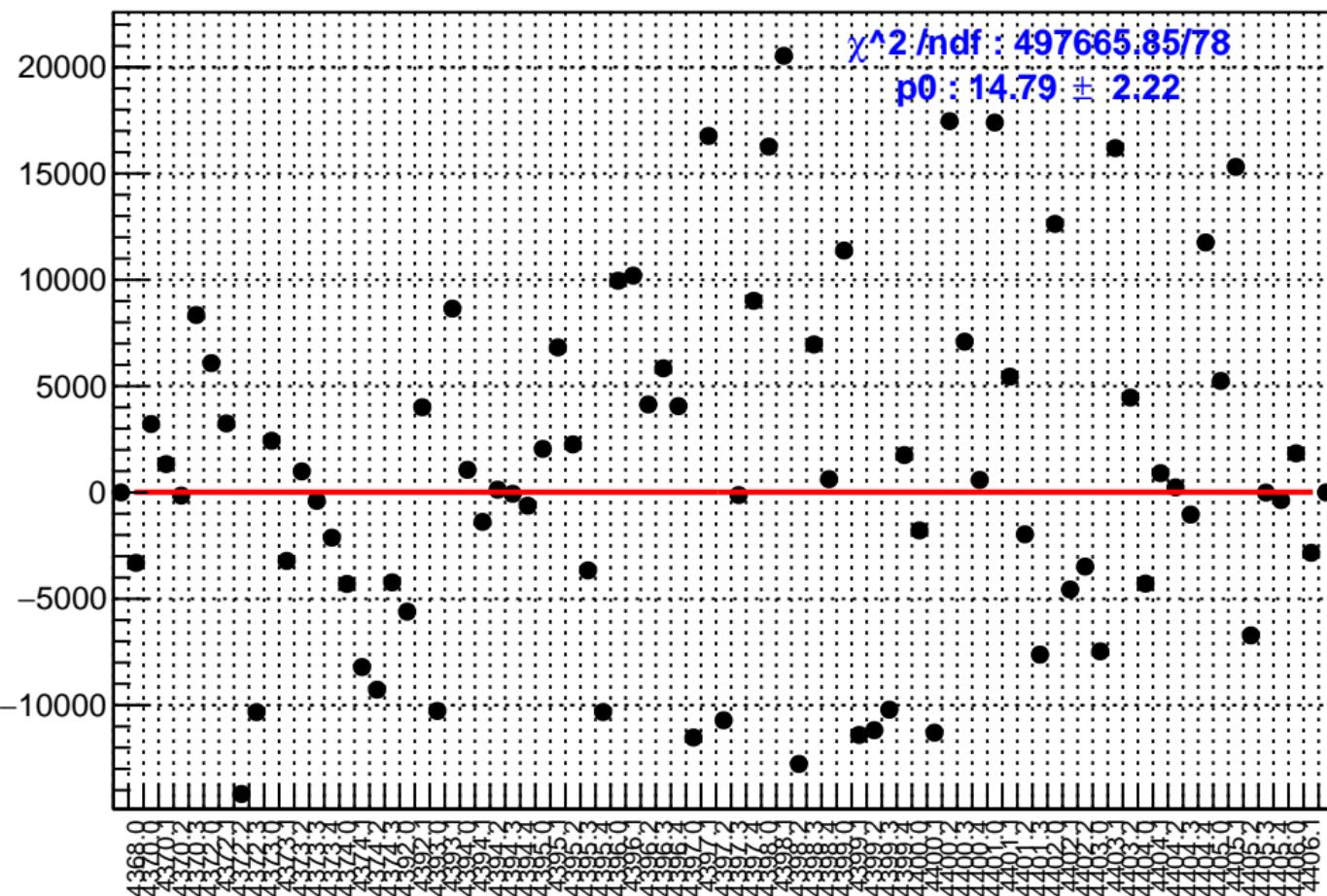


1D pull distribution



slug59: asym_atl_dd.mean/ppb-reg_asym_atl_dd.mean/ppb

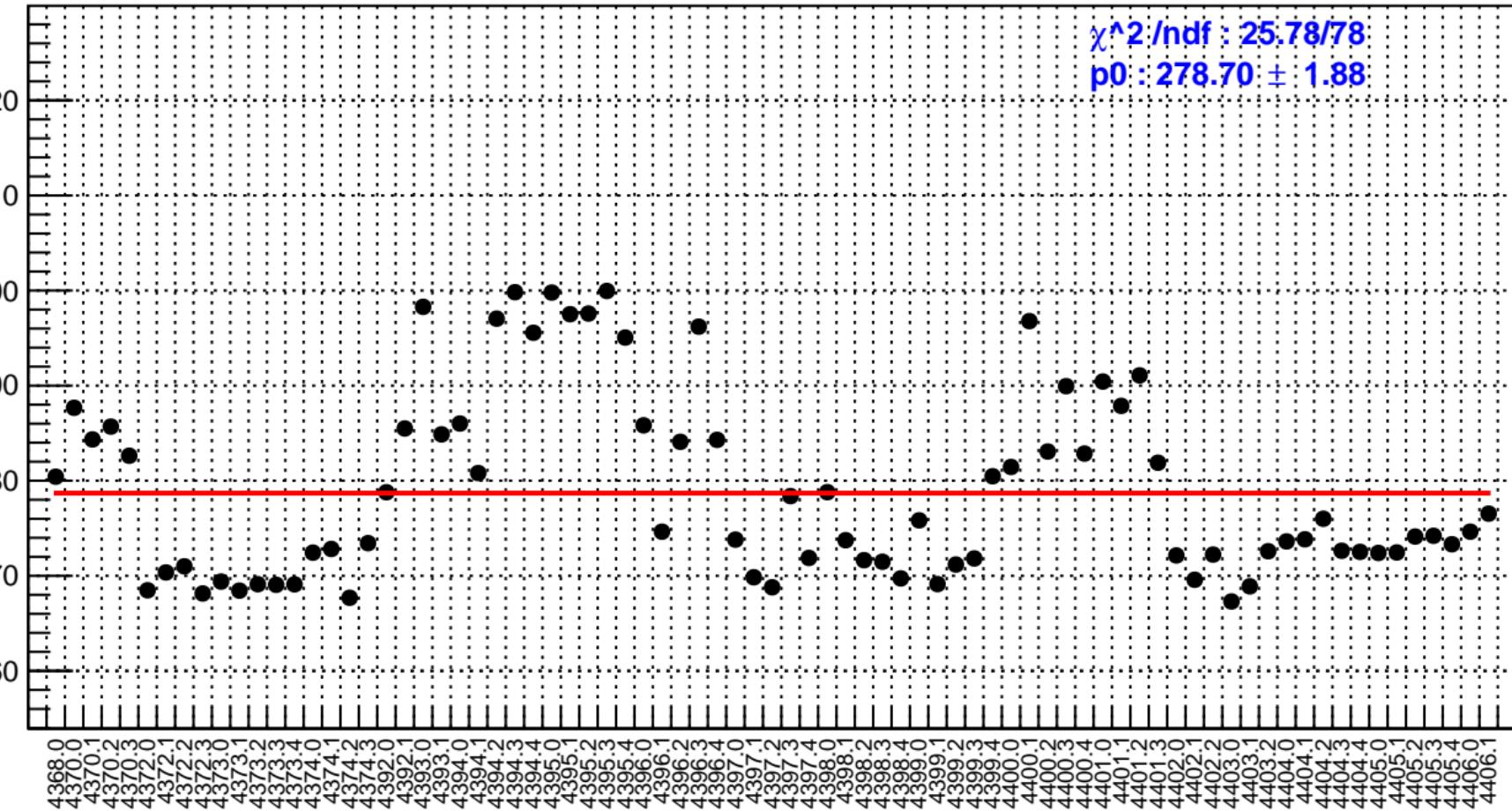
slug59: 1D Corr asym_atl_dd.mean/ppb-reg_asym_atl_dd.mean/ppb



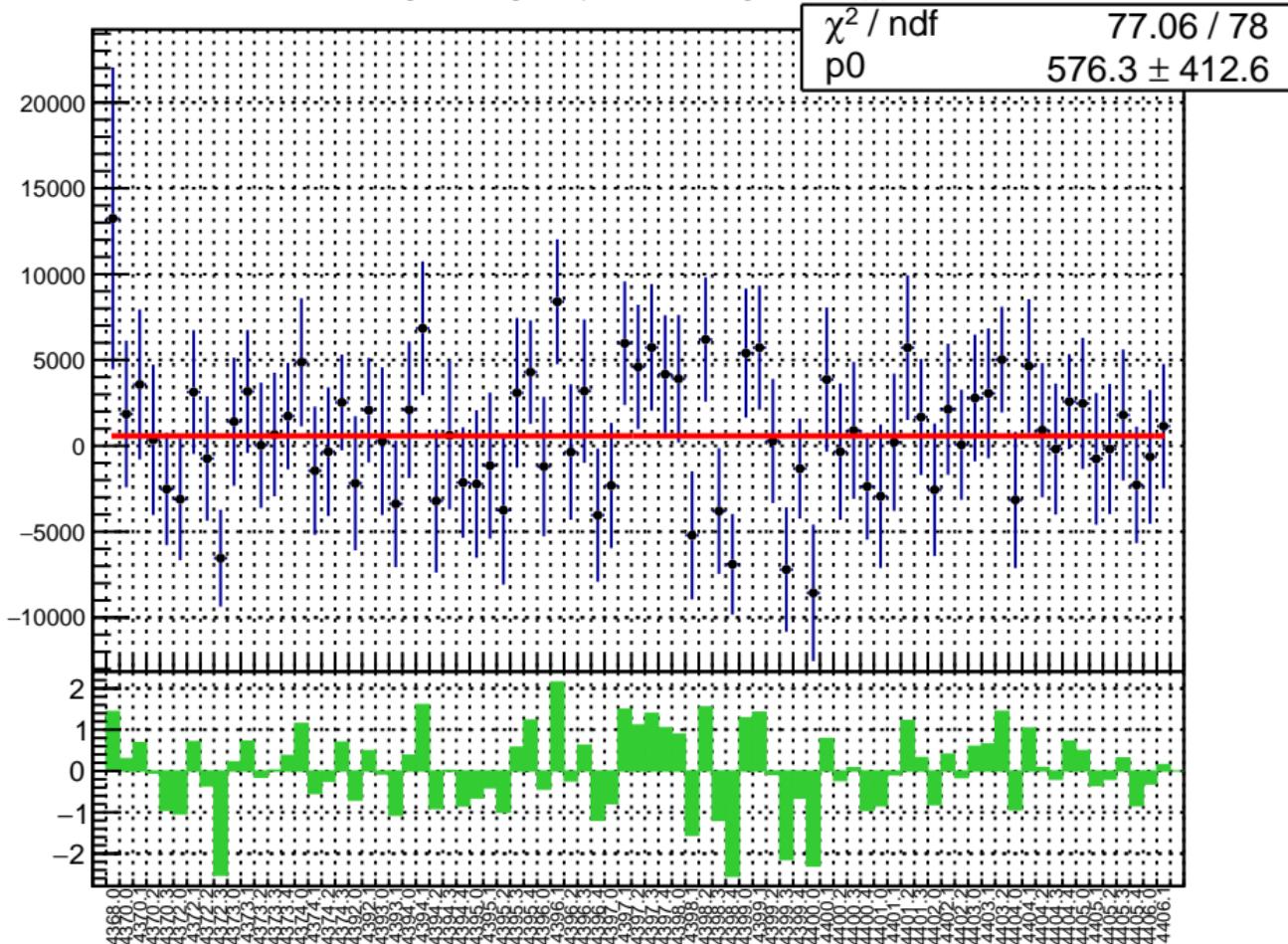
slug59: reg_asym_atl_dd.rms/ppm

$\chi^2/\text{ndf} : 25.78/78$

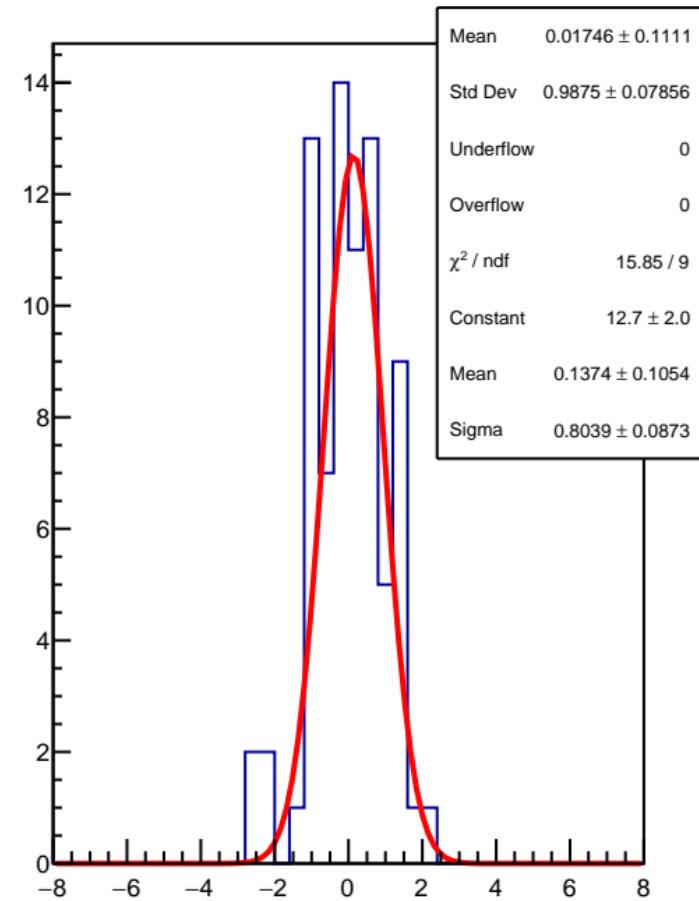
$p0 : 278.70 \pm 1.88$



slug59: reg_asym_atr_avg.mean/ppb

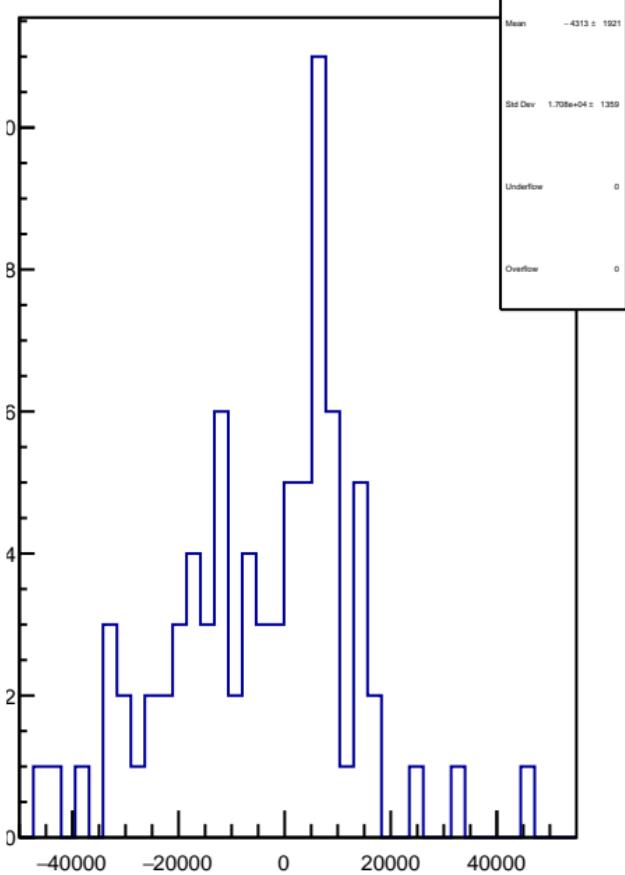
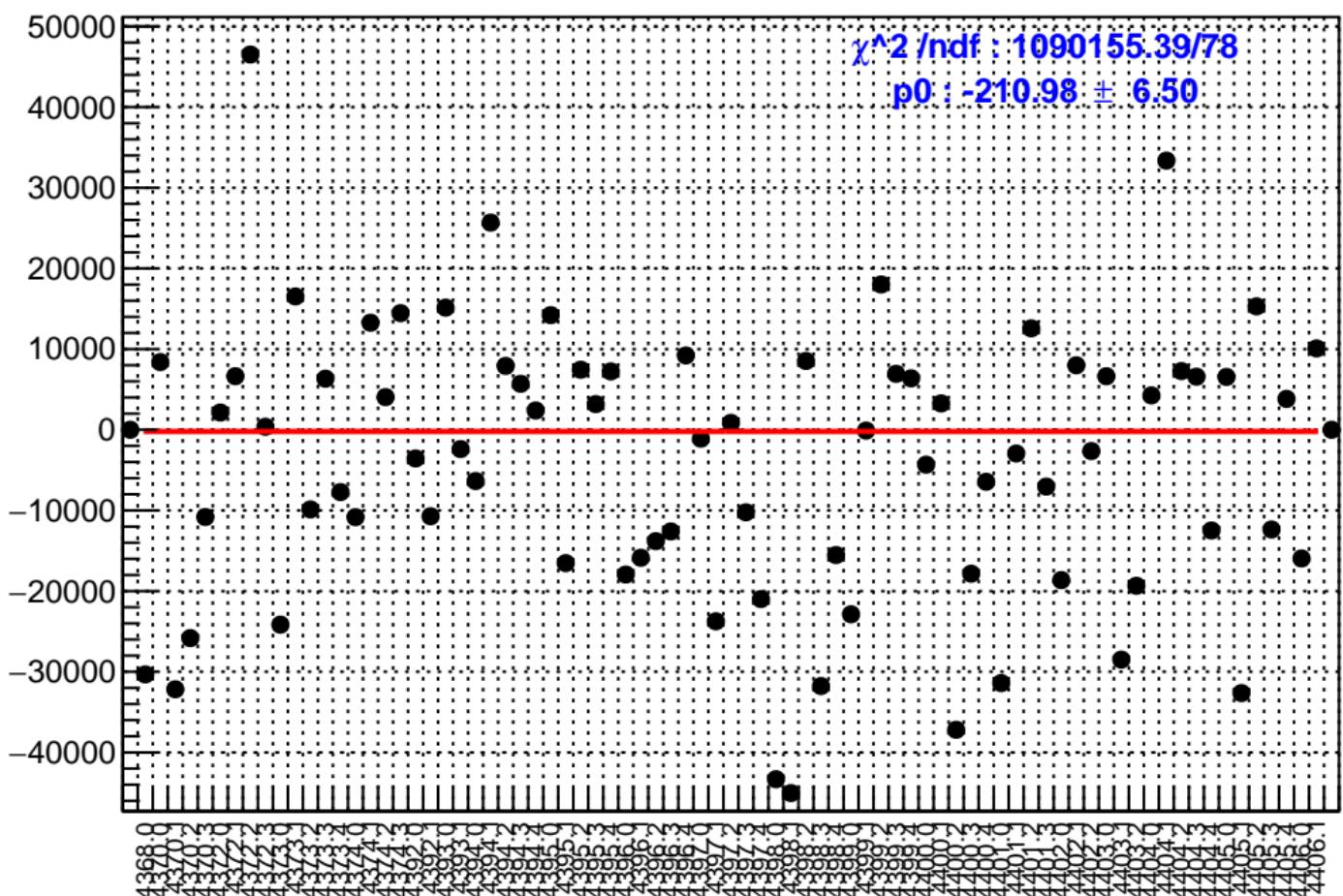


1D pull distribution

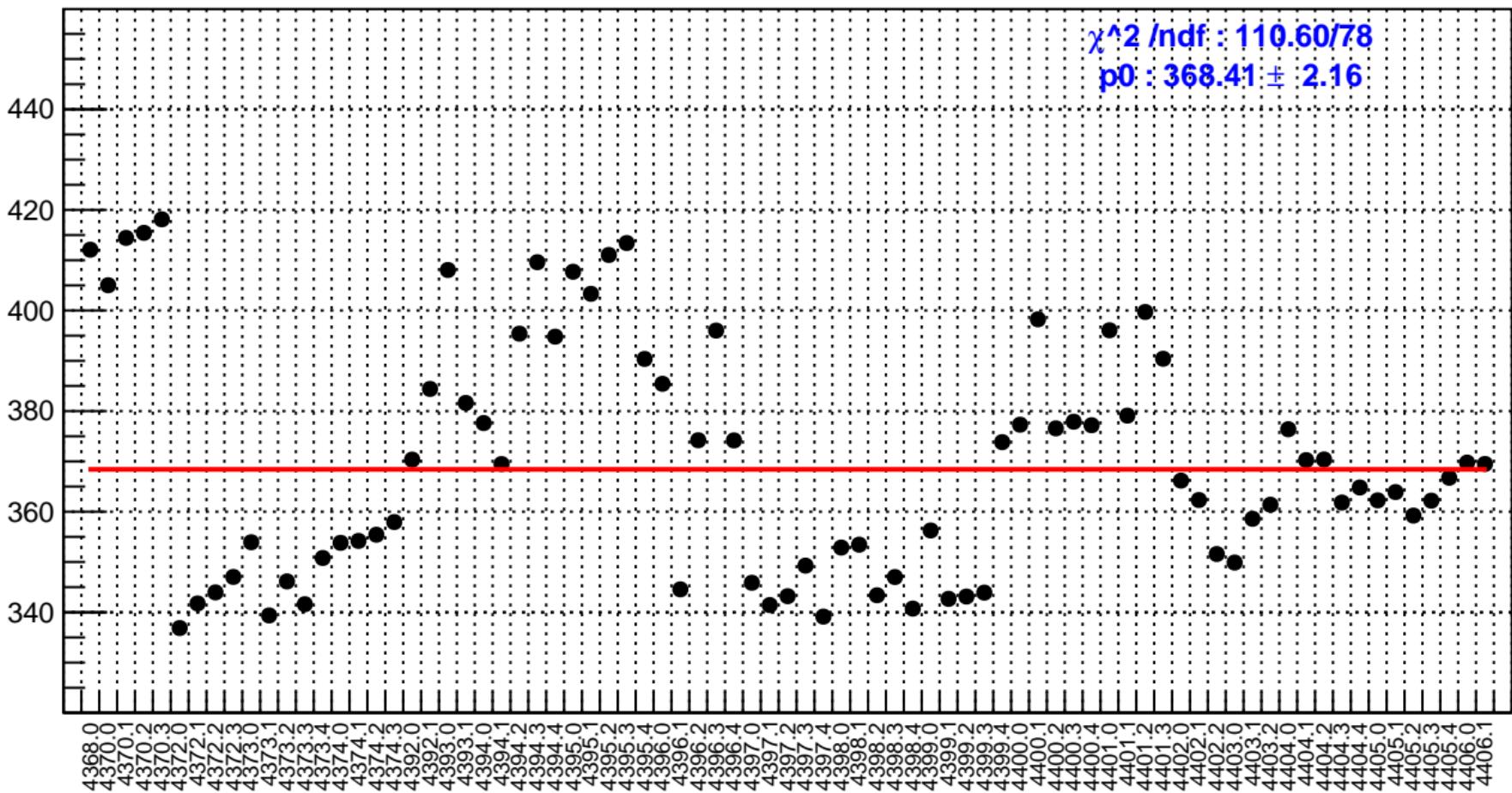


slug59: asym_atr_avg.mean/ppb-reg_asym_atr_avg.mean/ppb

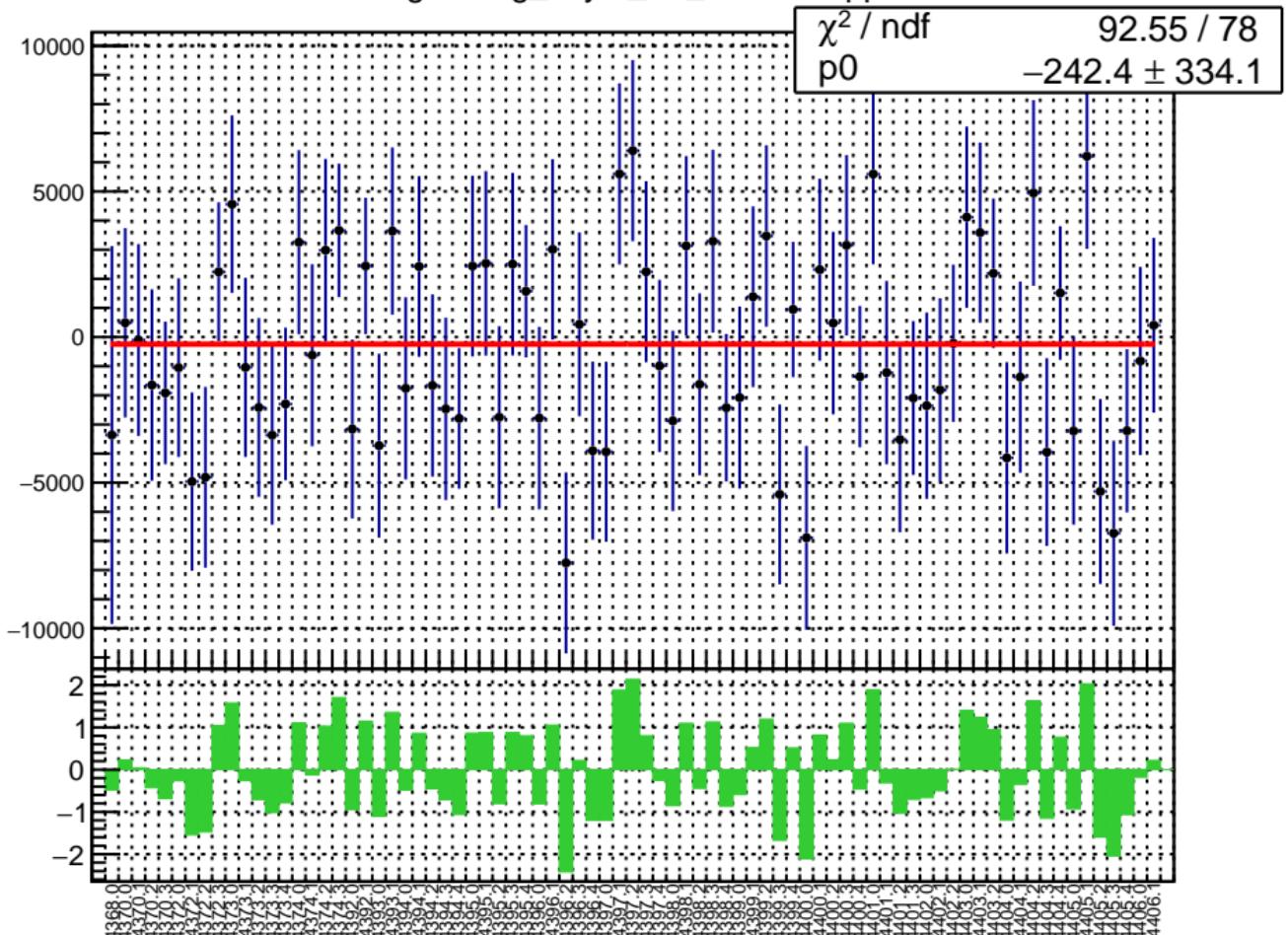
slug59: 1D Corr asym_atr_avg.mean/ppb-reg_asym_atr_avg.mean/ppb



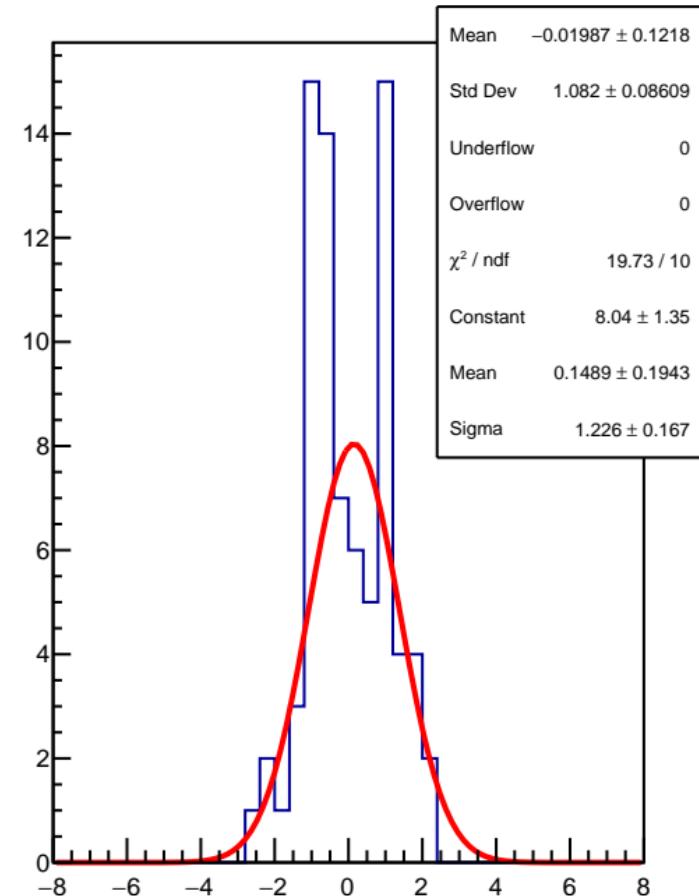
slug59: reg_asym_atr_avg.rms/ppm



slug59: reg_asym_atr_dd.mean/ppb

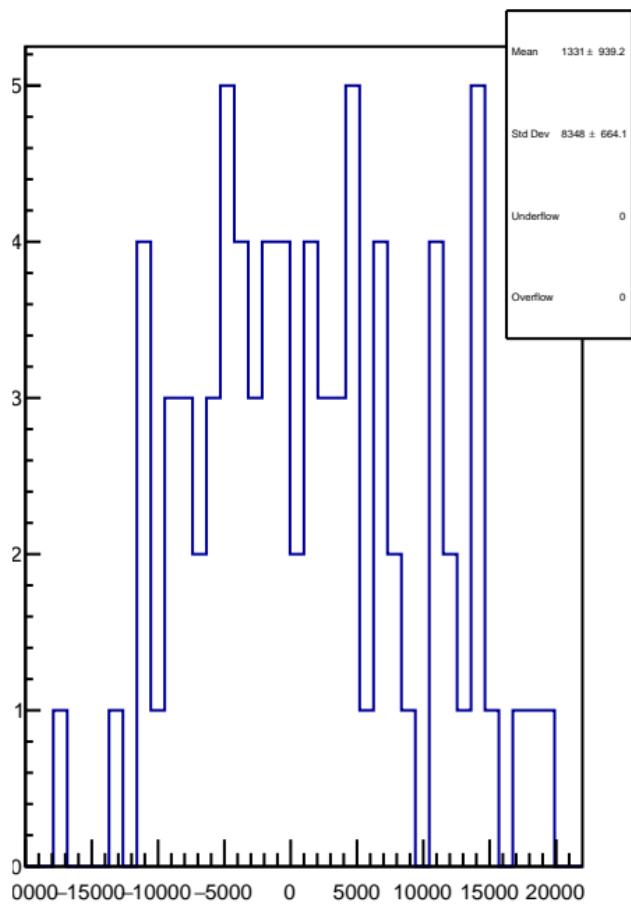
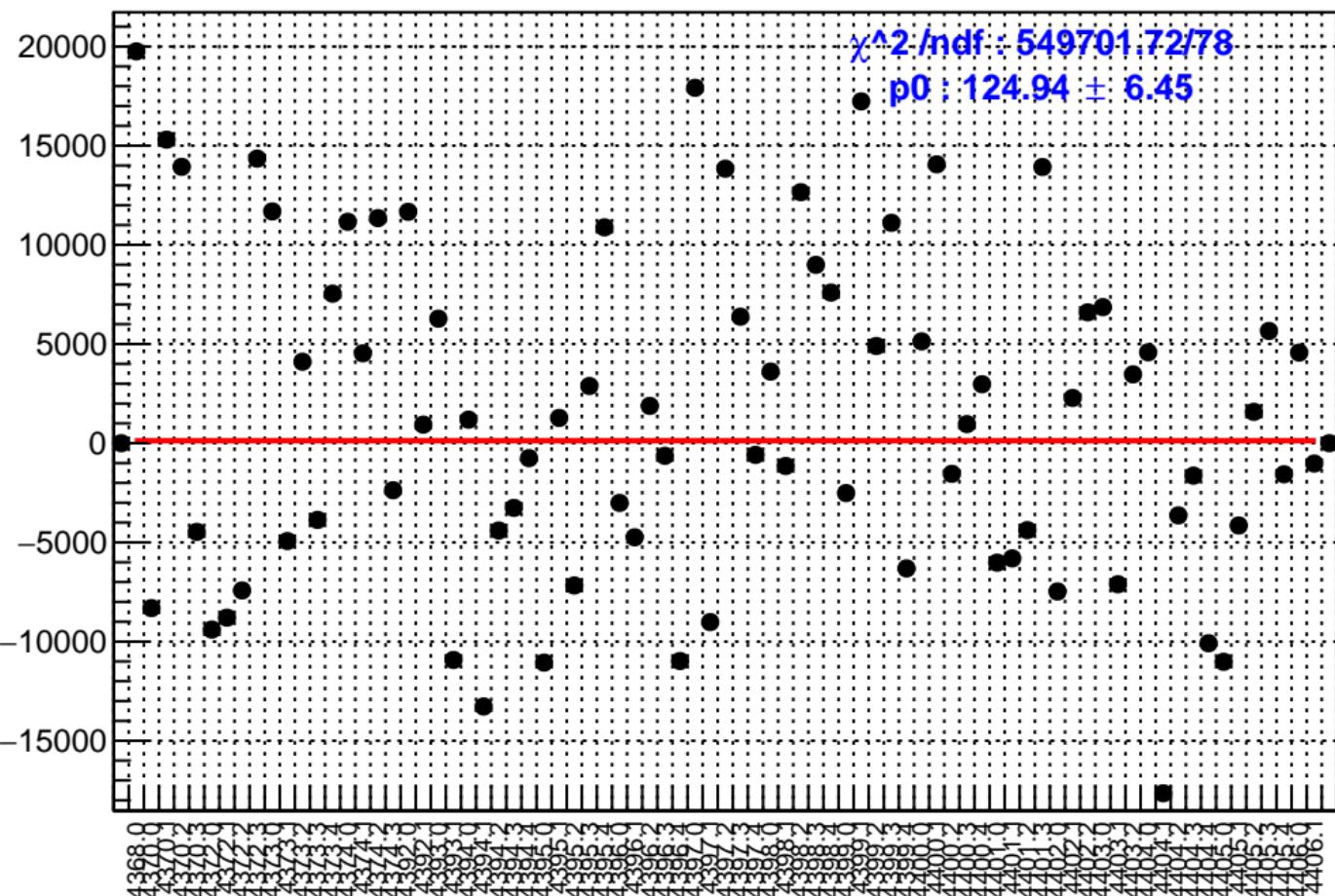


1D pull distribution

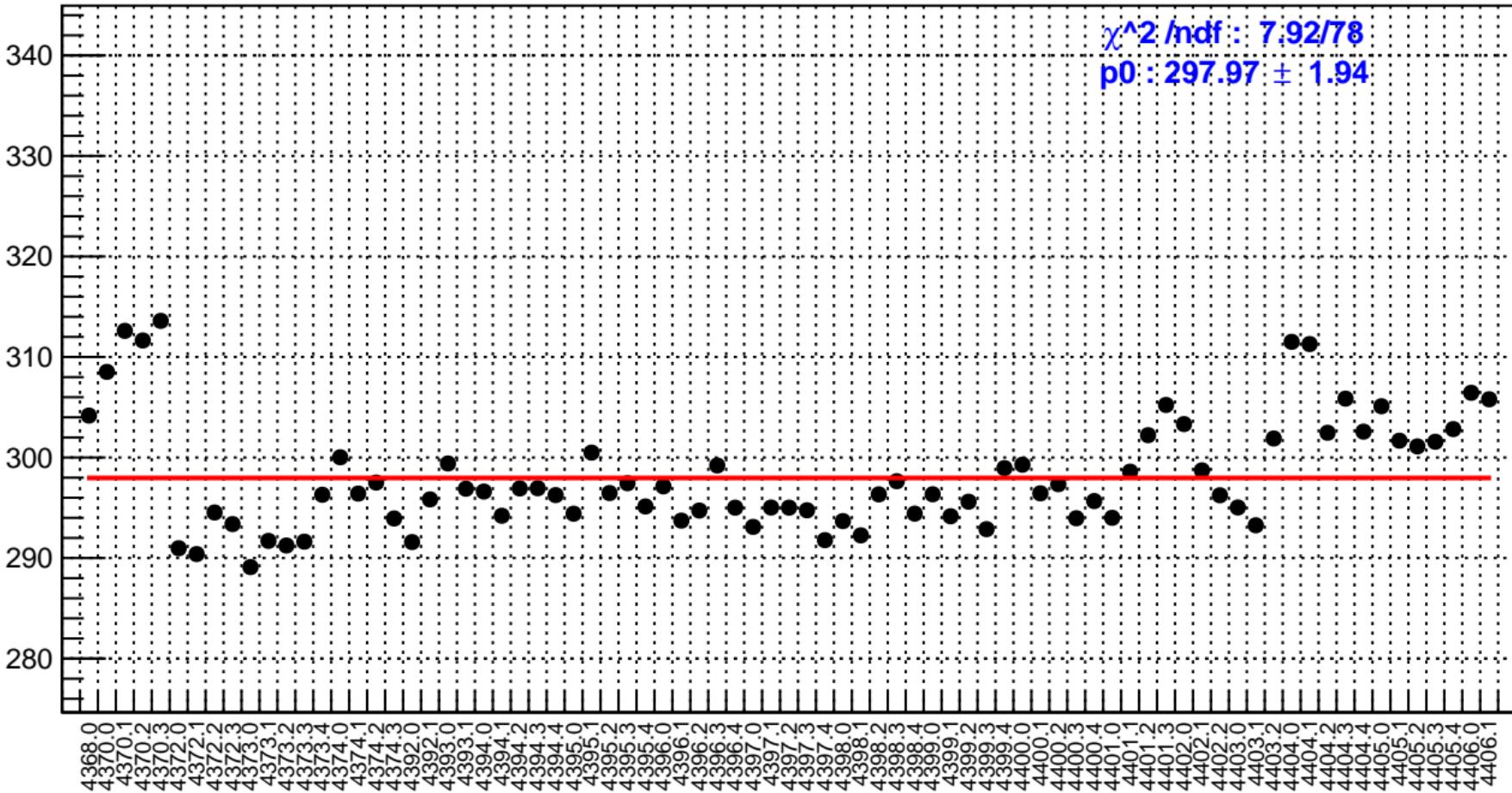


slug59: asym_atr_dd.mean/ppb-reg_asym_atr_dd.mean/ppb

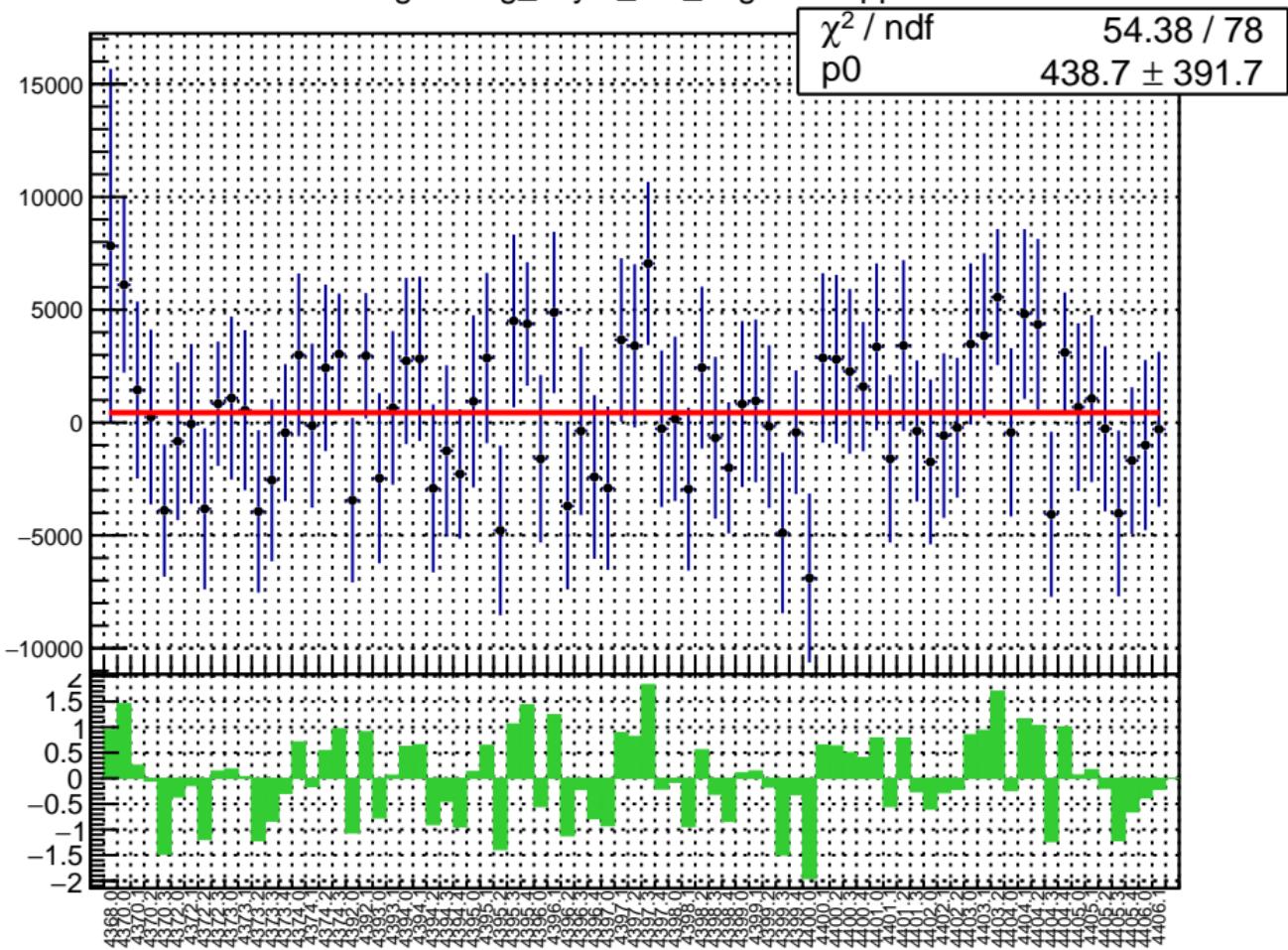
slug59: 1D Corr asym_atr_dd.mean/ppb-reg_asym_atr_dd.mean/ppb



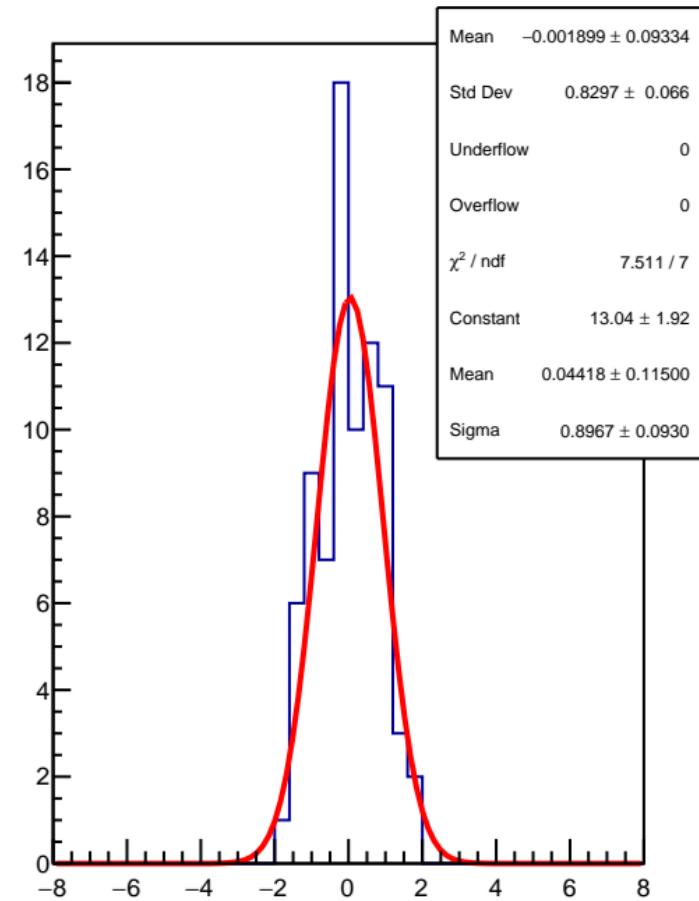
slug59: reg_asym_atr_dd.rms/ppm



slug59: reg_asym_at1_avg.mean/ppb

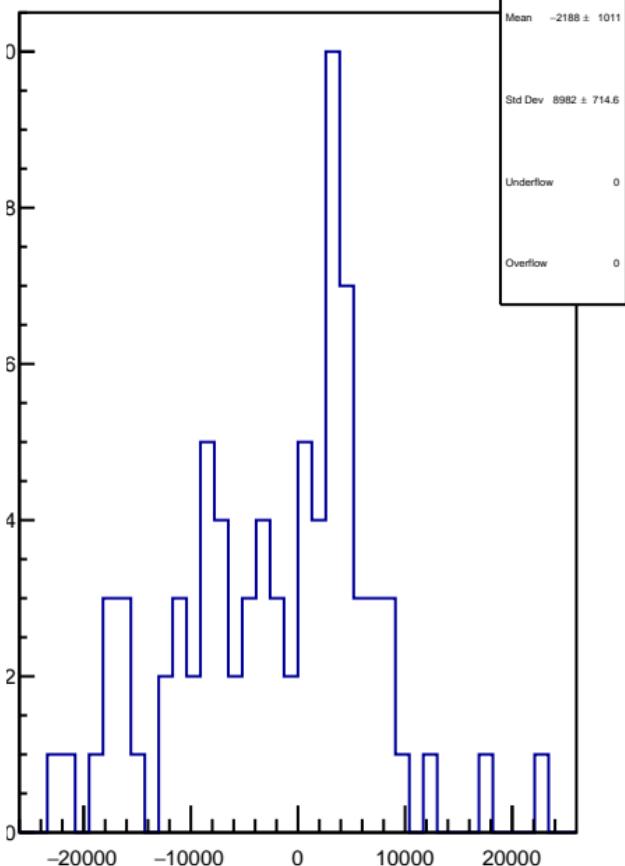
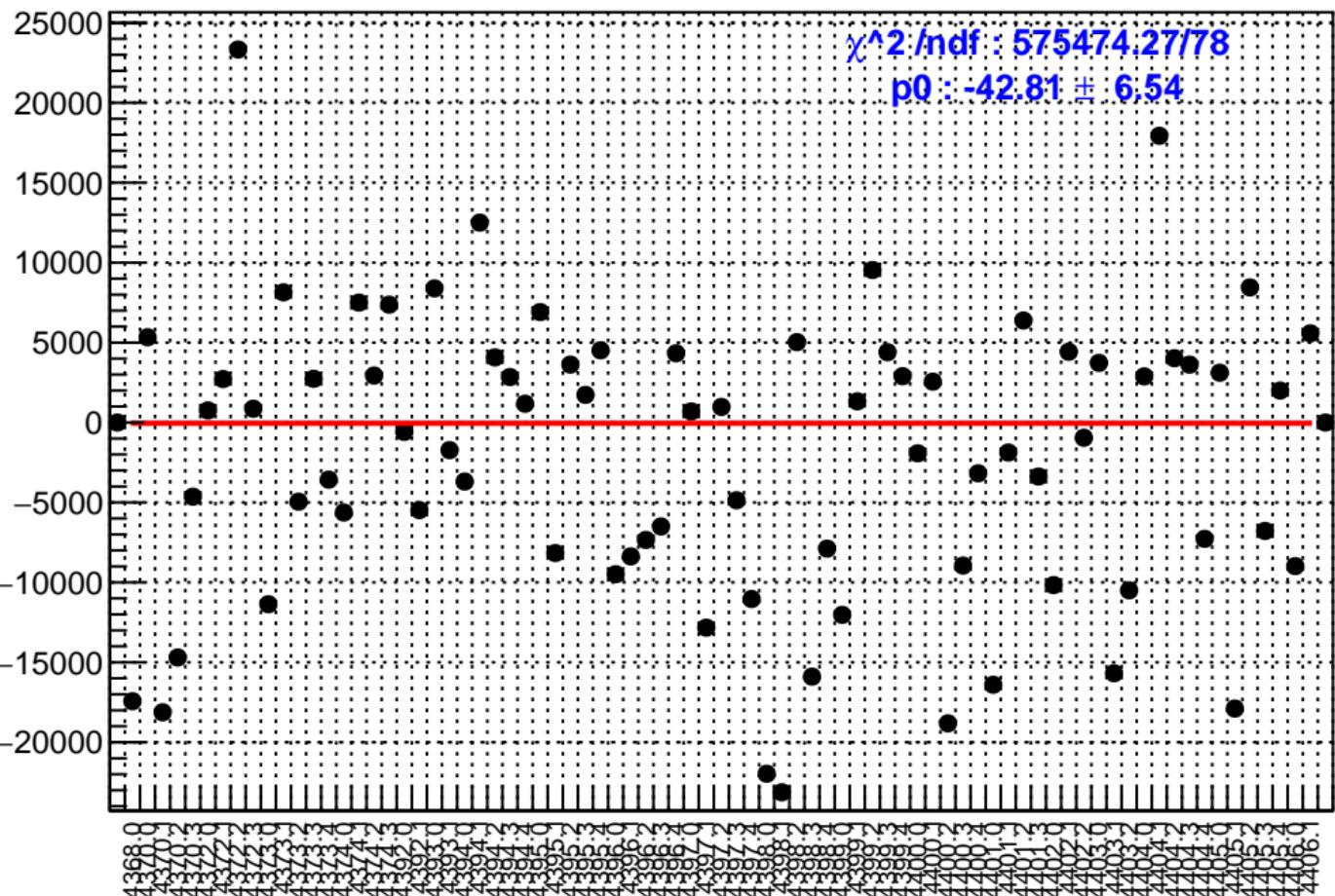


1D pull distribution

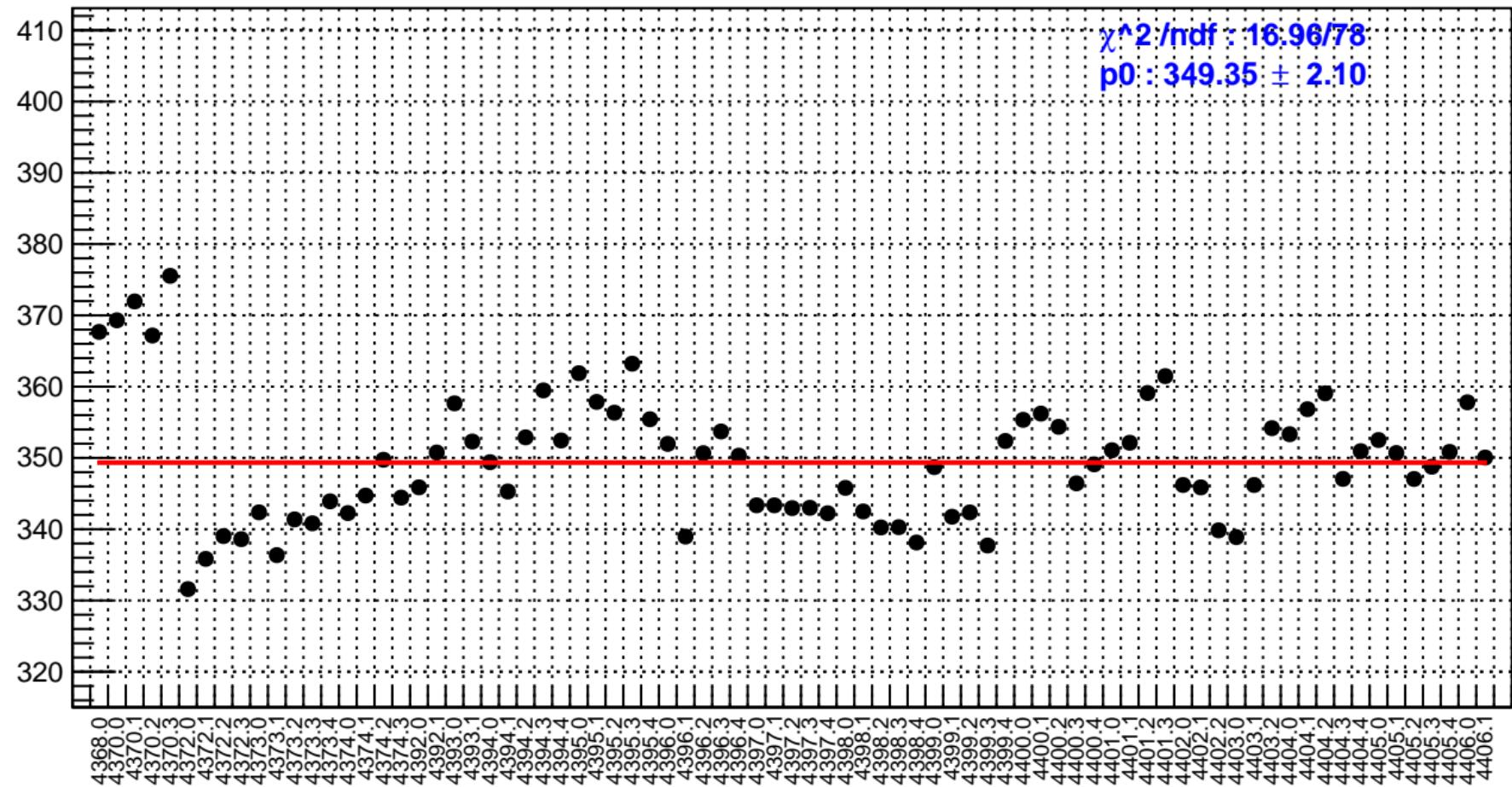


slug59: asym_at1_avg.mean/ppb-reg_asym_at1_avg.mean/ppb

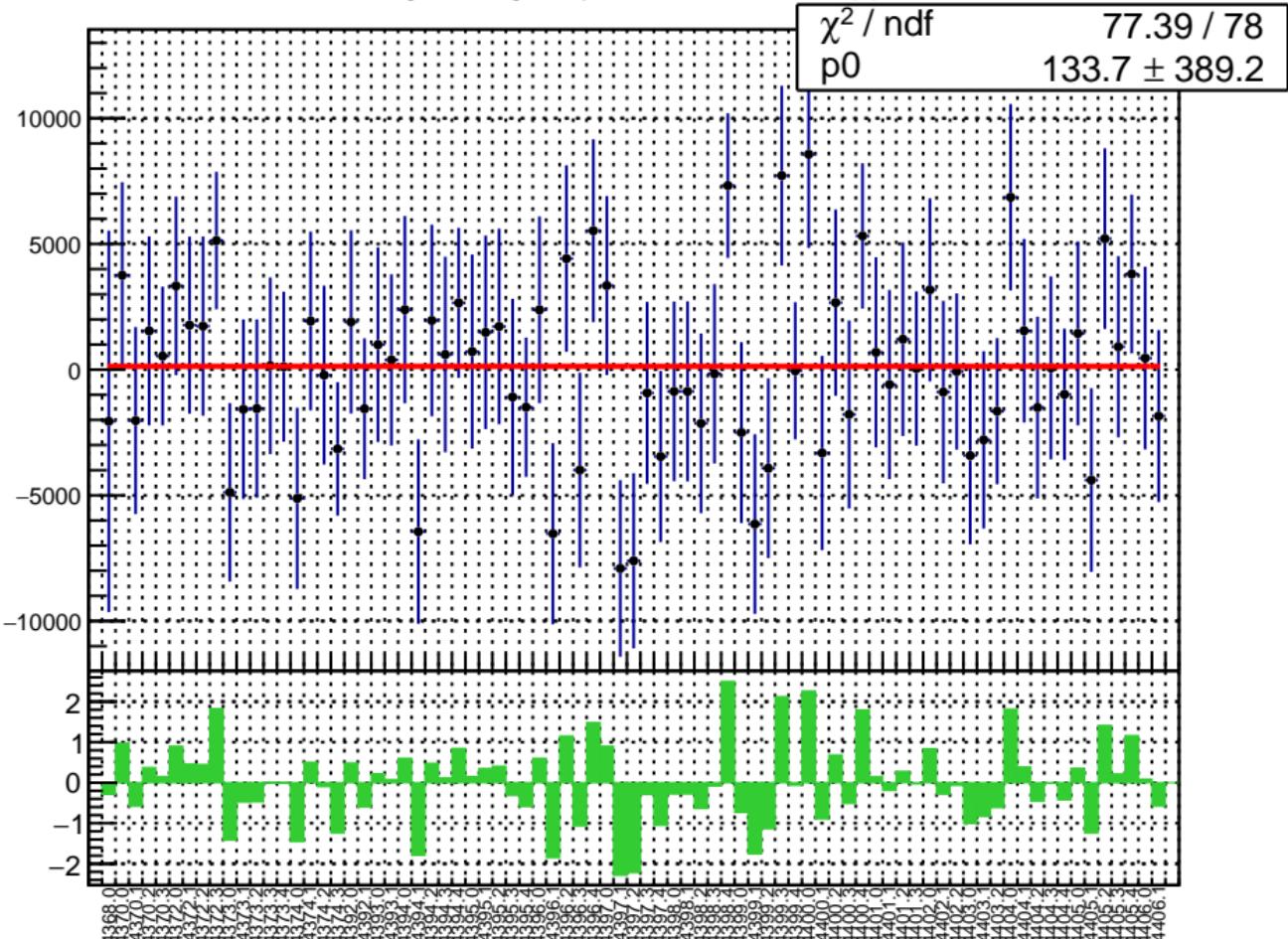
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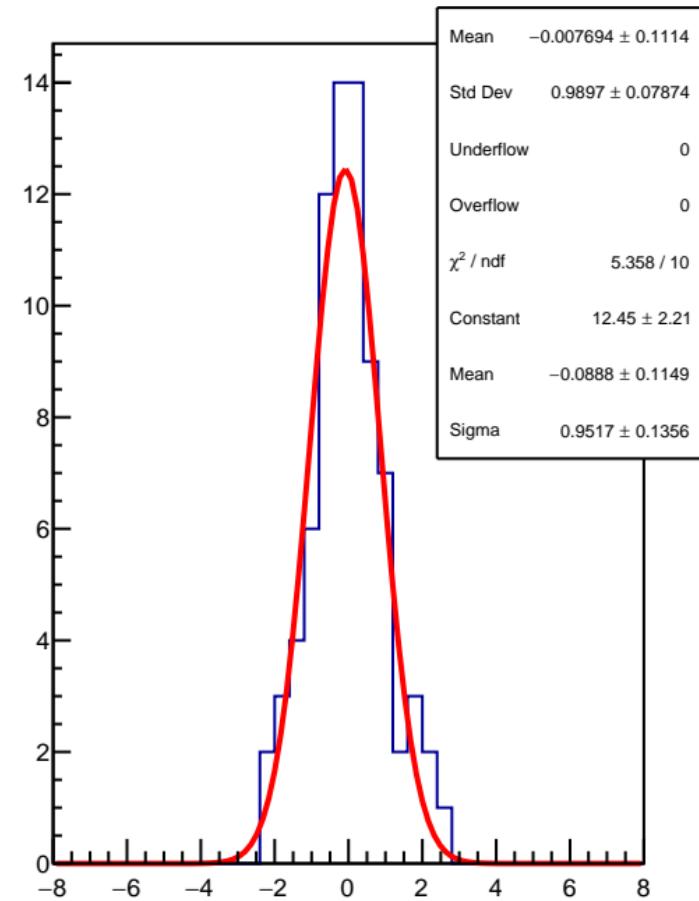
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slug59: reg_asym_at1_dd.mean/ppb

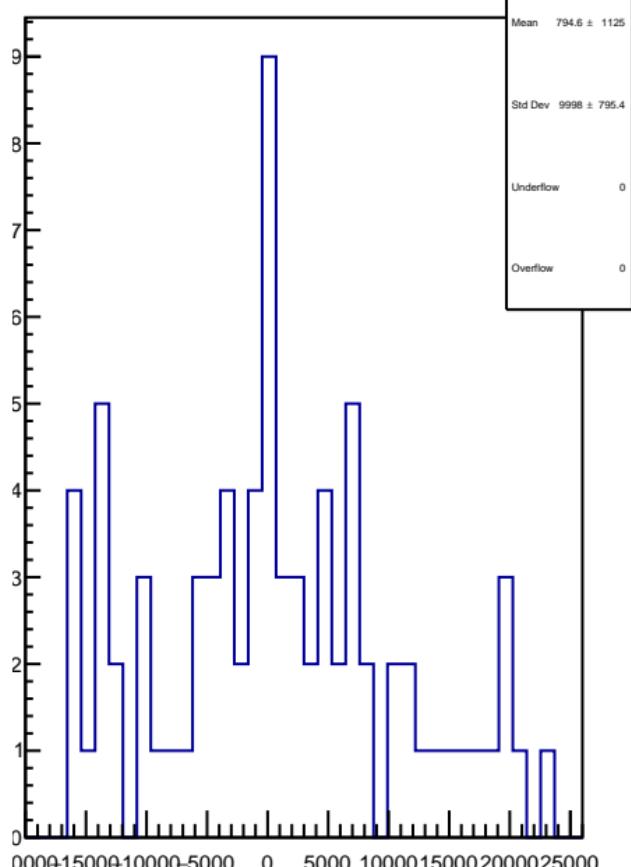
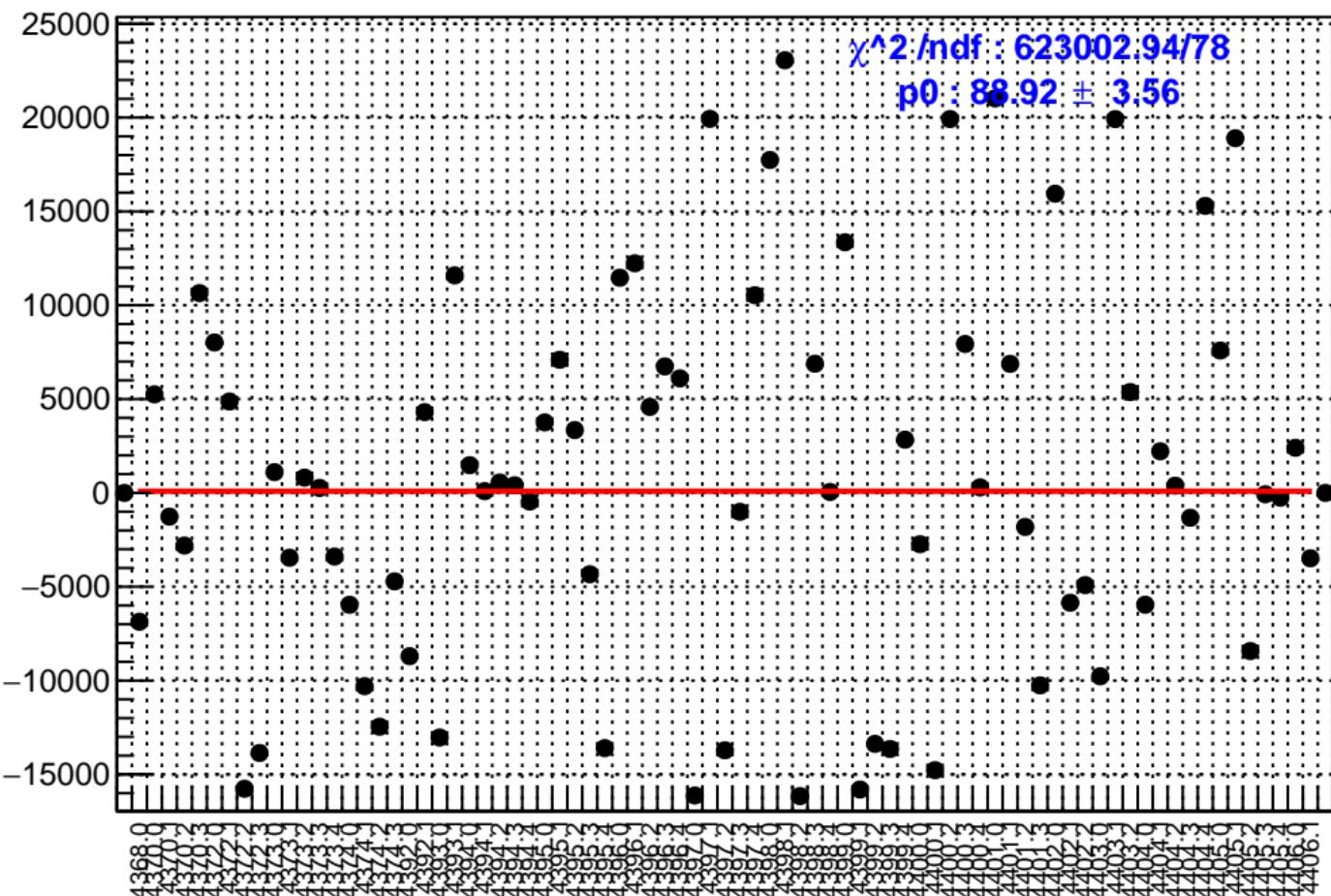


1D pull distribution



slug59: asym_at1_dd.mean/ppb-reg_asym_at1_dd.mean/ppb

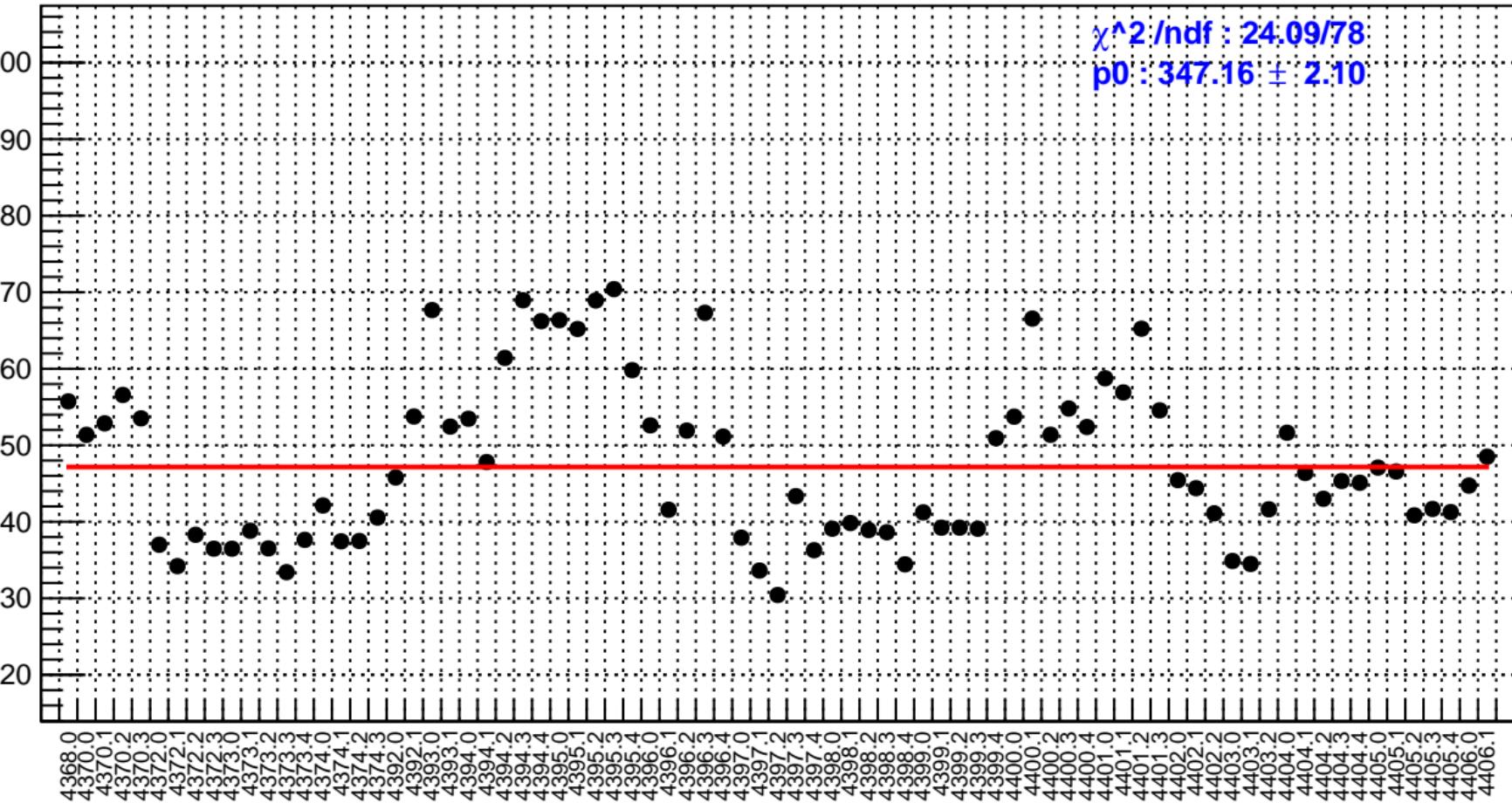
slug59: 1D Corr asym_at1_dd.mean/ppb-reg_asym_at1_dd.mean/ppb



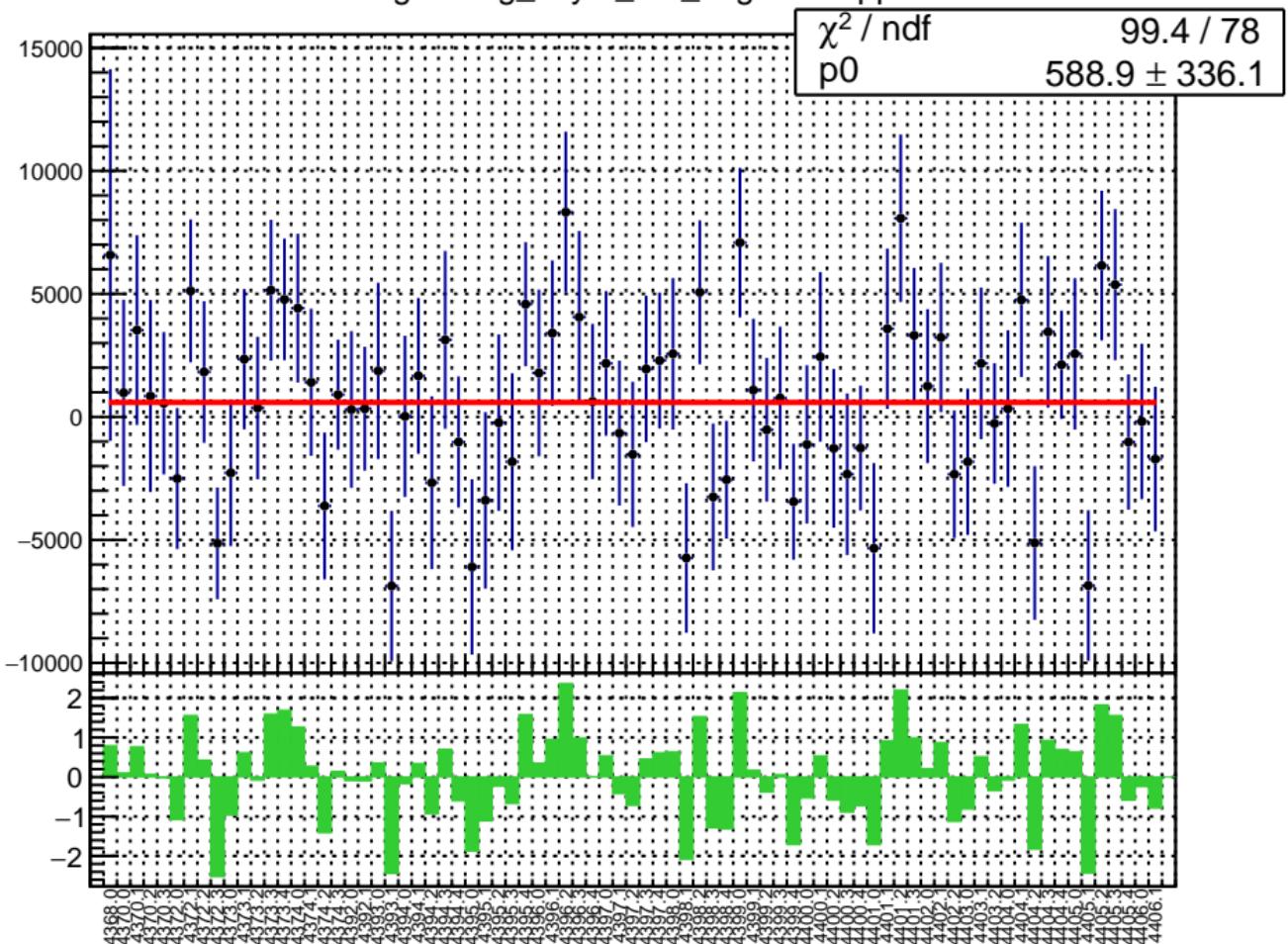
slug59: reg_asym_at1_dd.rms/ppm

$\chi^2/\text{ndf} : 24.09/78$

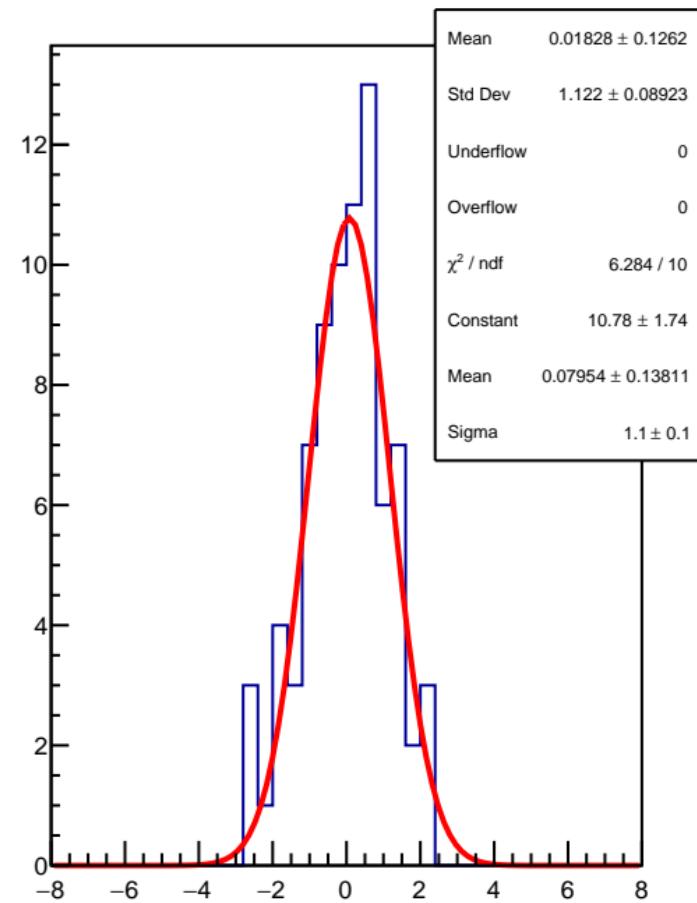
$p_0 : 347.16 \pm 2.10$



slug59: reg_asym_at2_avg.mean/ppb

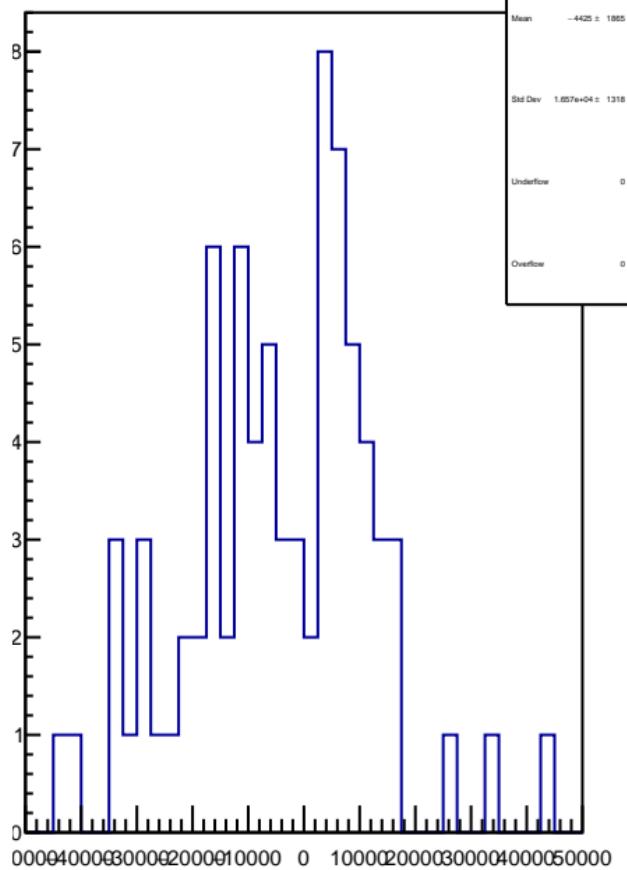
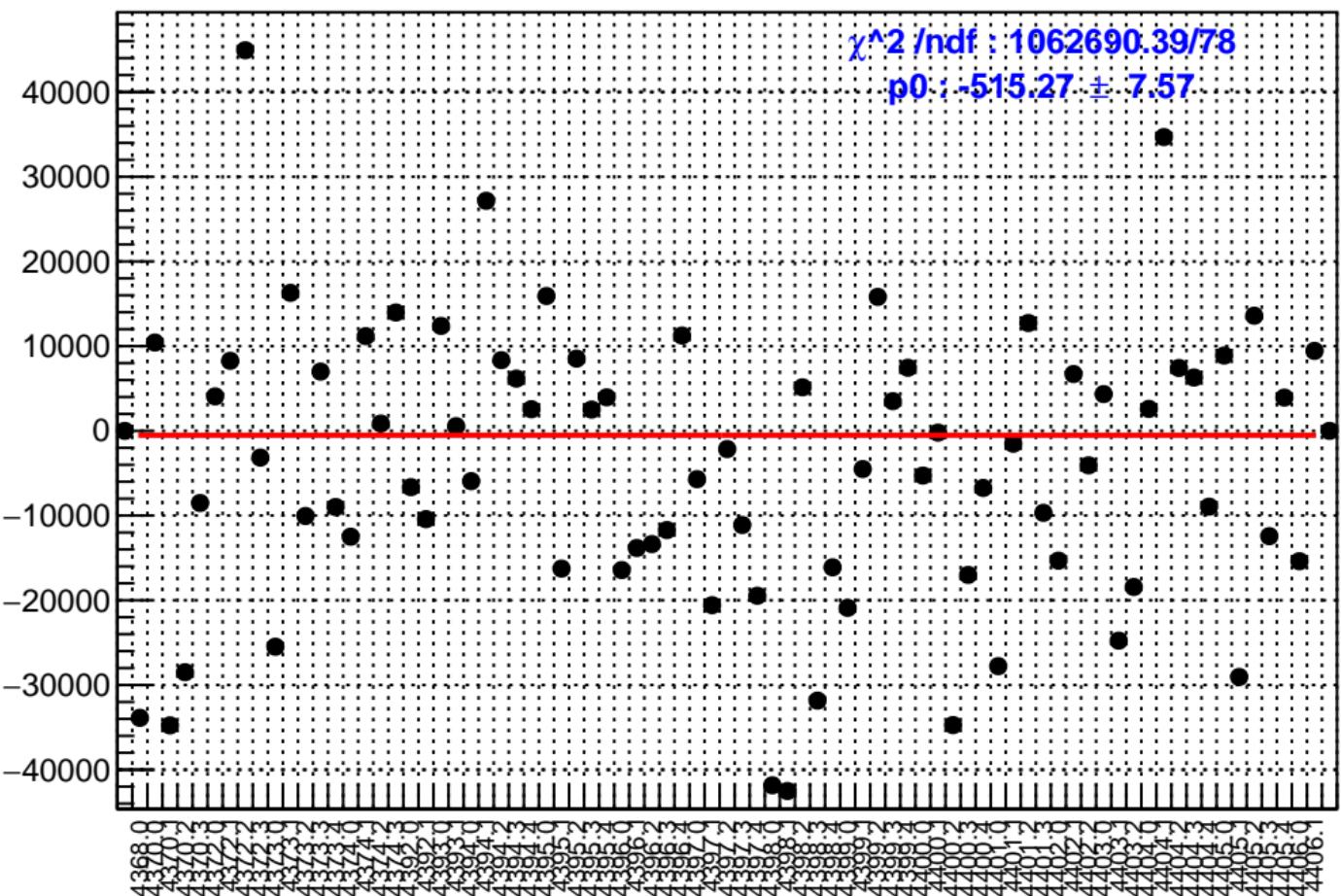


1D pull distribution

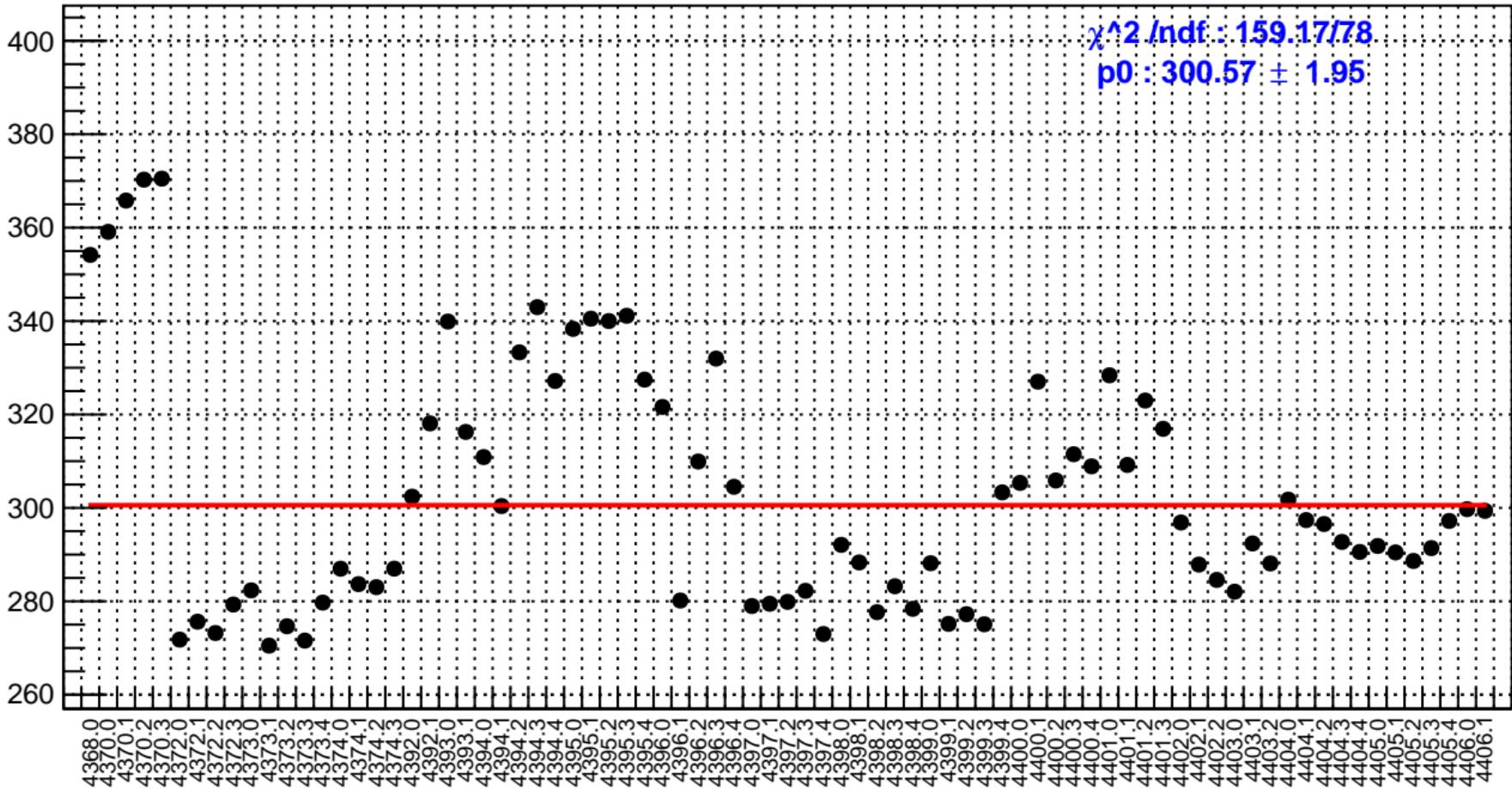


slug59: asym_at2_avg.mean/ppb-reg_asym_at2_avg.mean/ppb

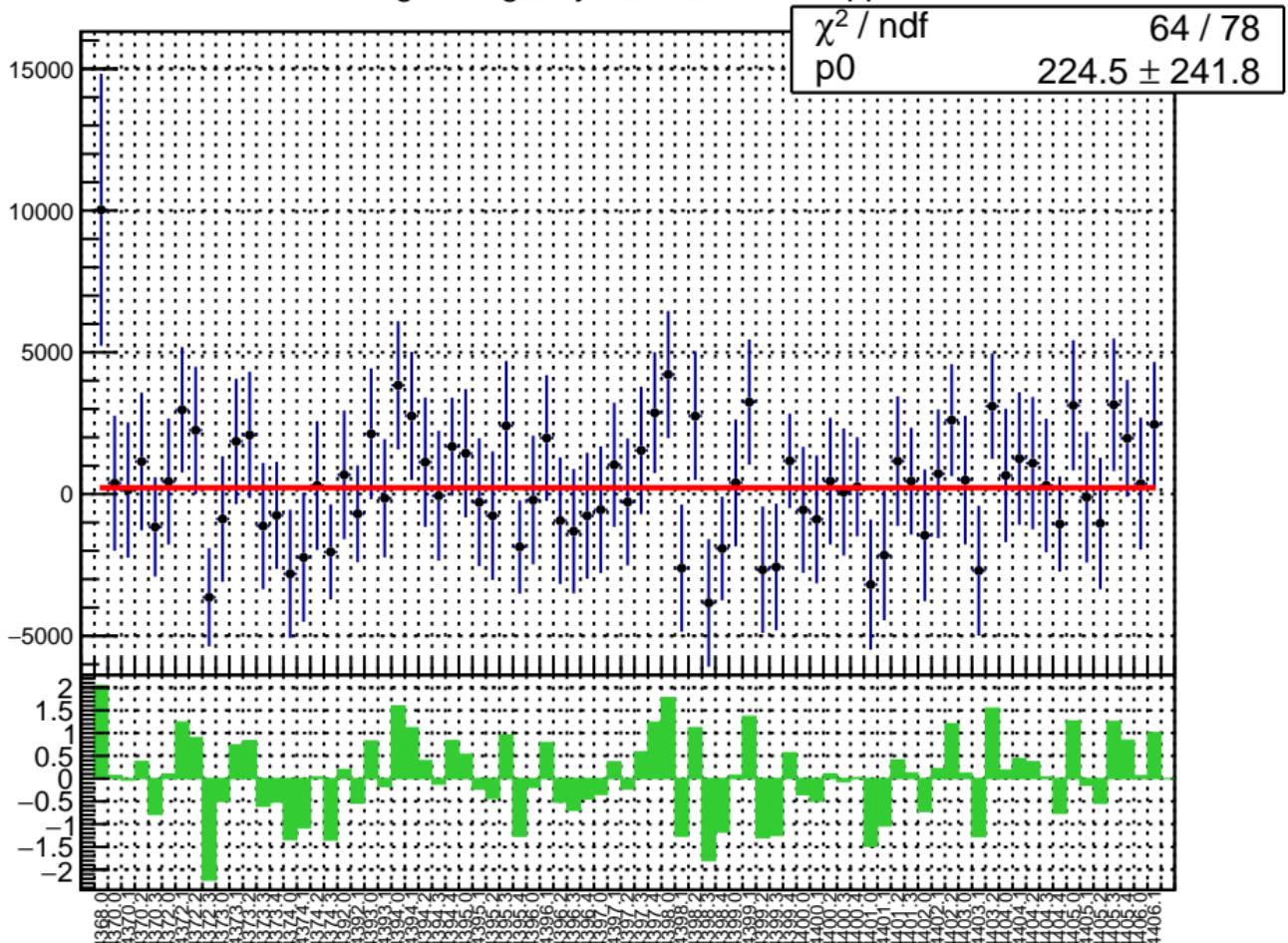
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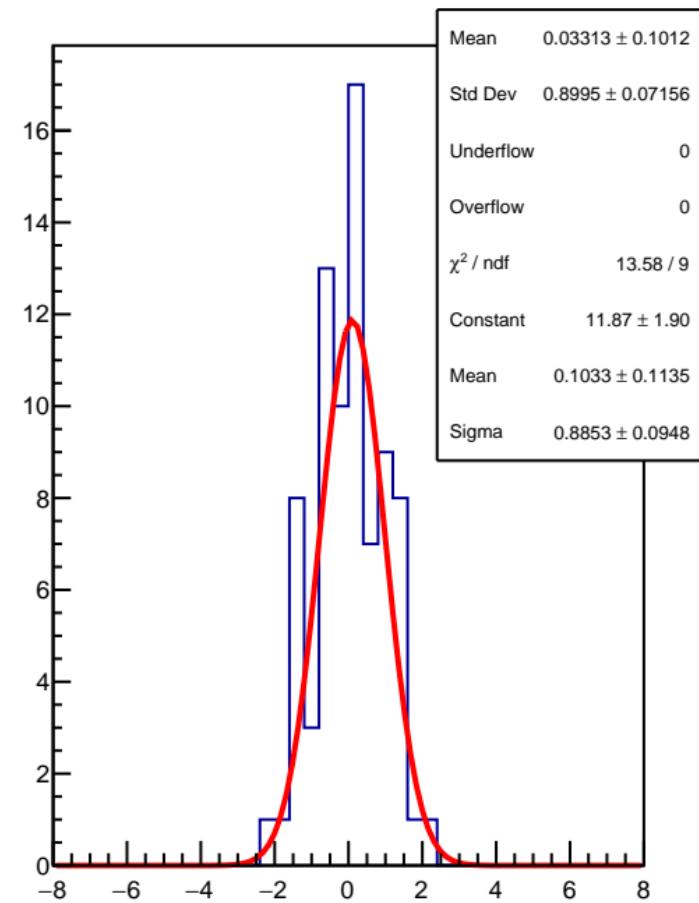
slug59: reg_asym_at2_avg.rms/ppm



slug59: reg_asym_at2_dd.mean/ppb

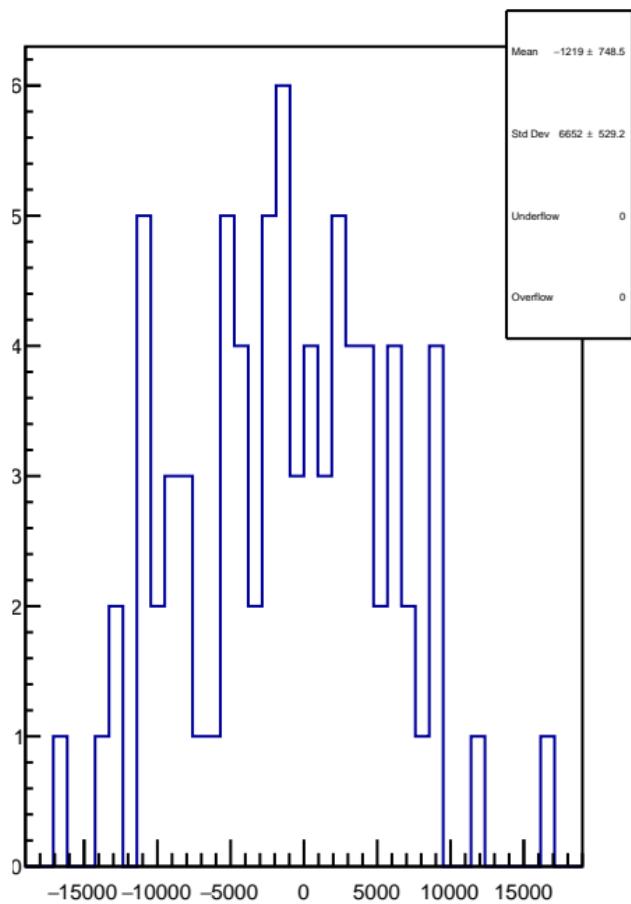
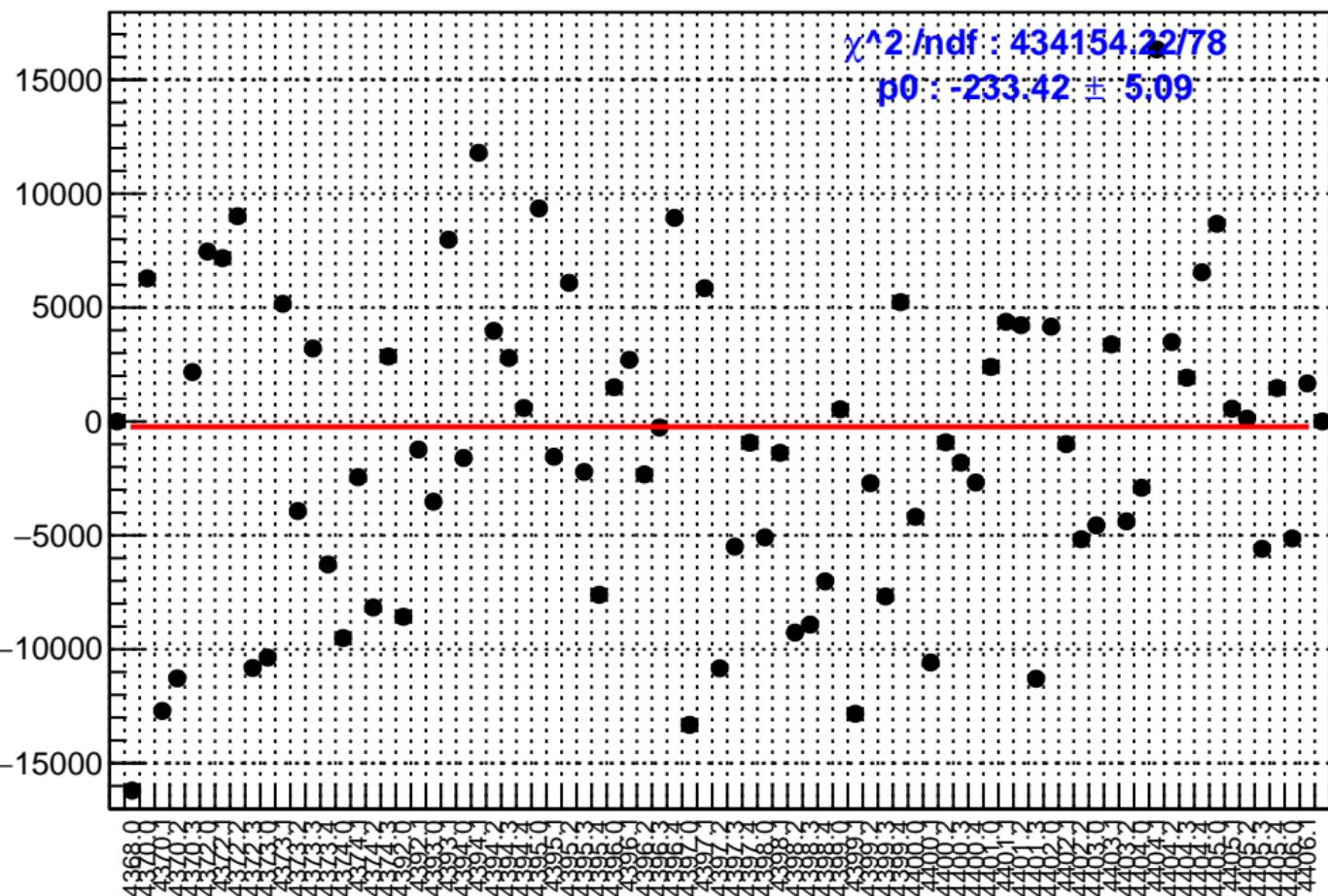


1D pull distribution

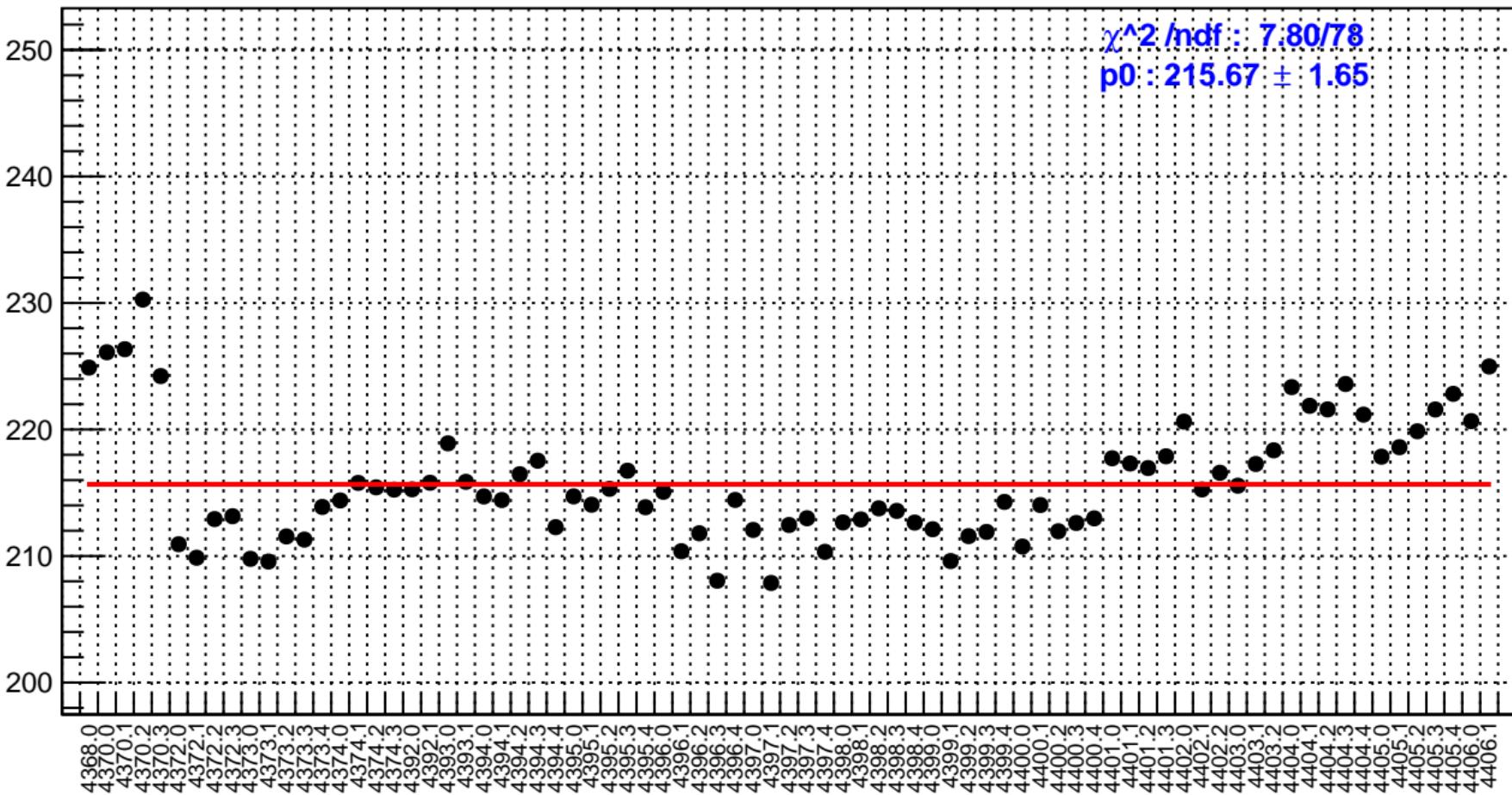


slug59: asym_at2_dd.mean/ppb-reg_asym_at2_dd.mean/ppb

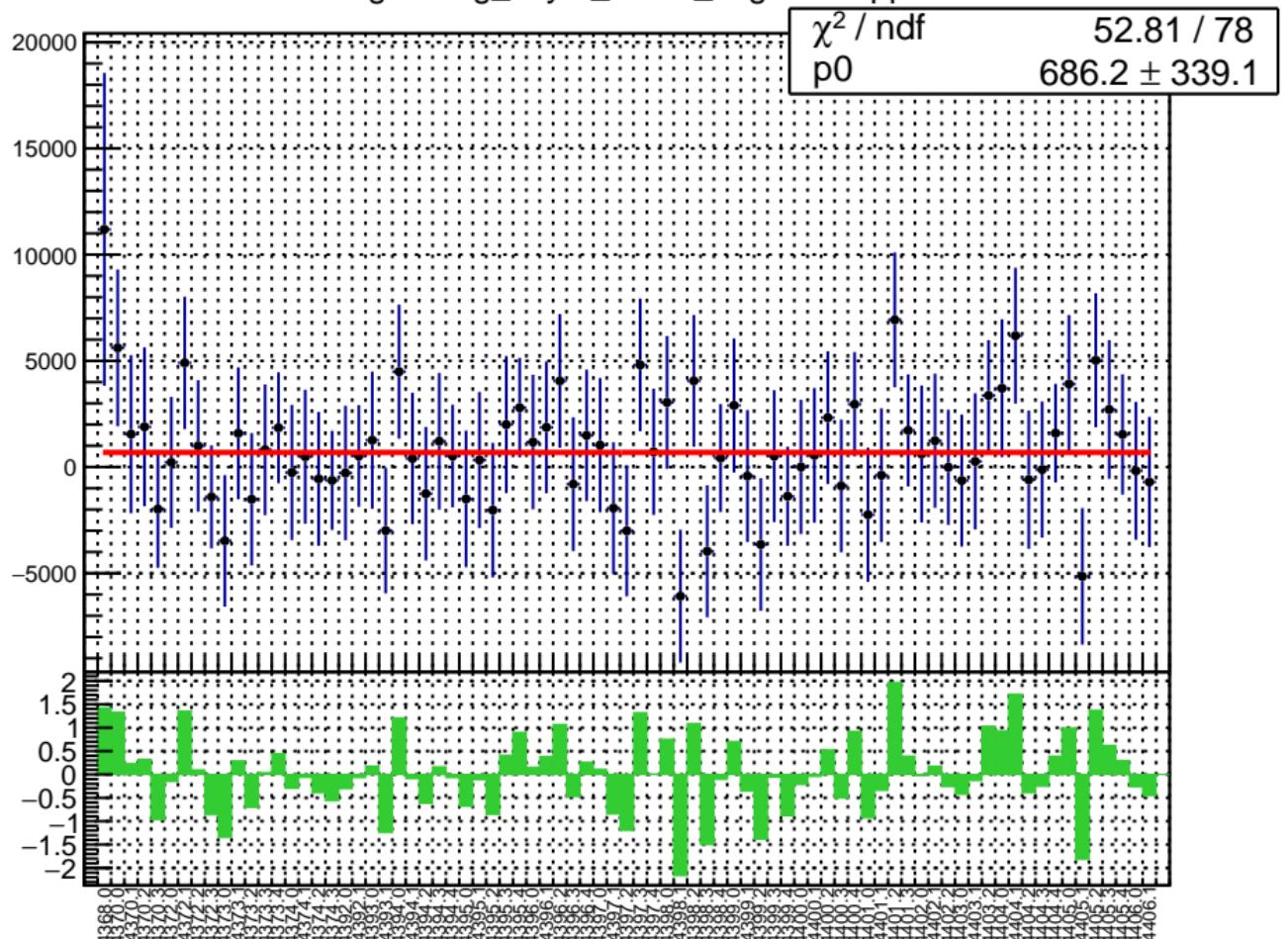
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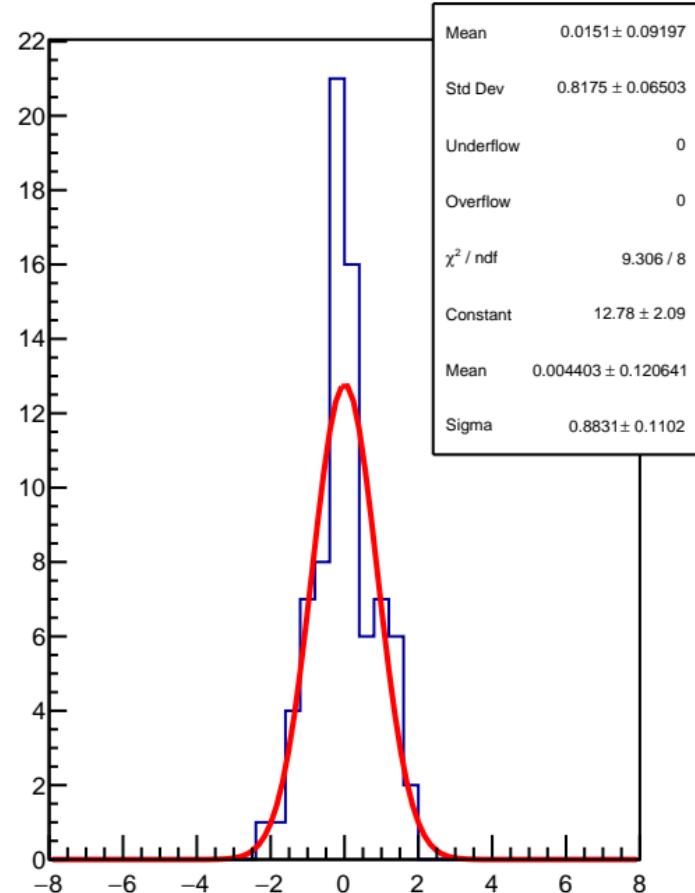
slug59: reg_asym_at2_dd.rms/ppm



slug59: reg_asym_atl1r2_avg.mean/ppb

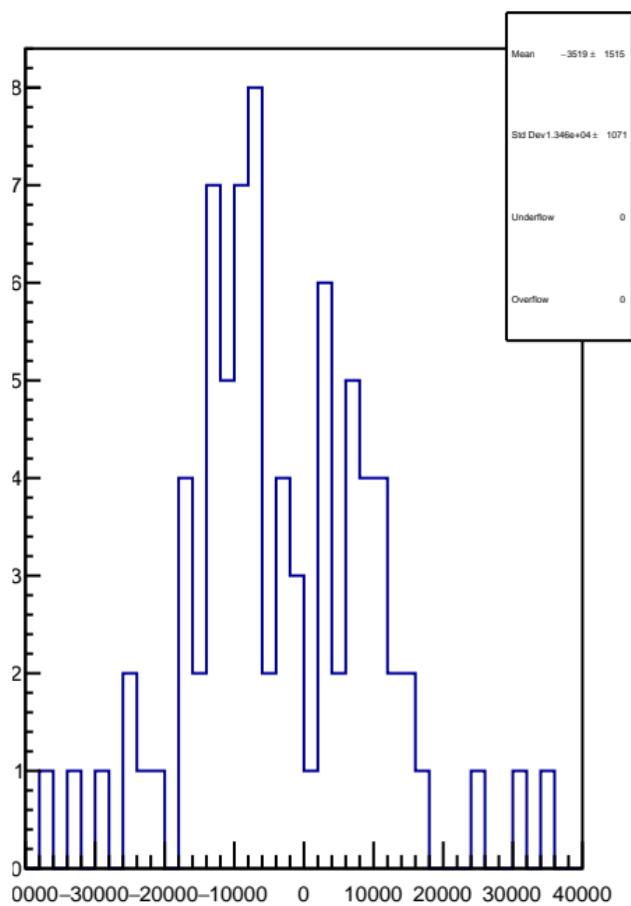
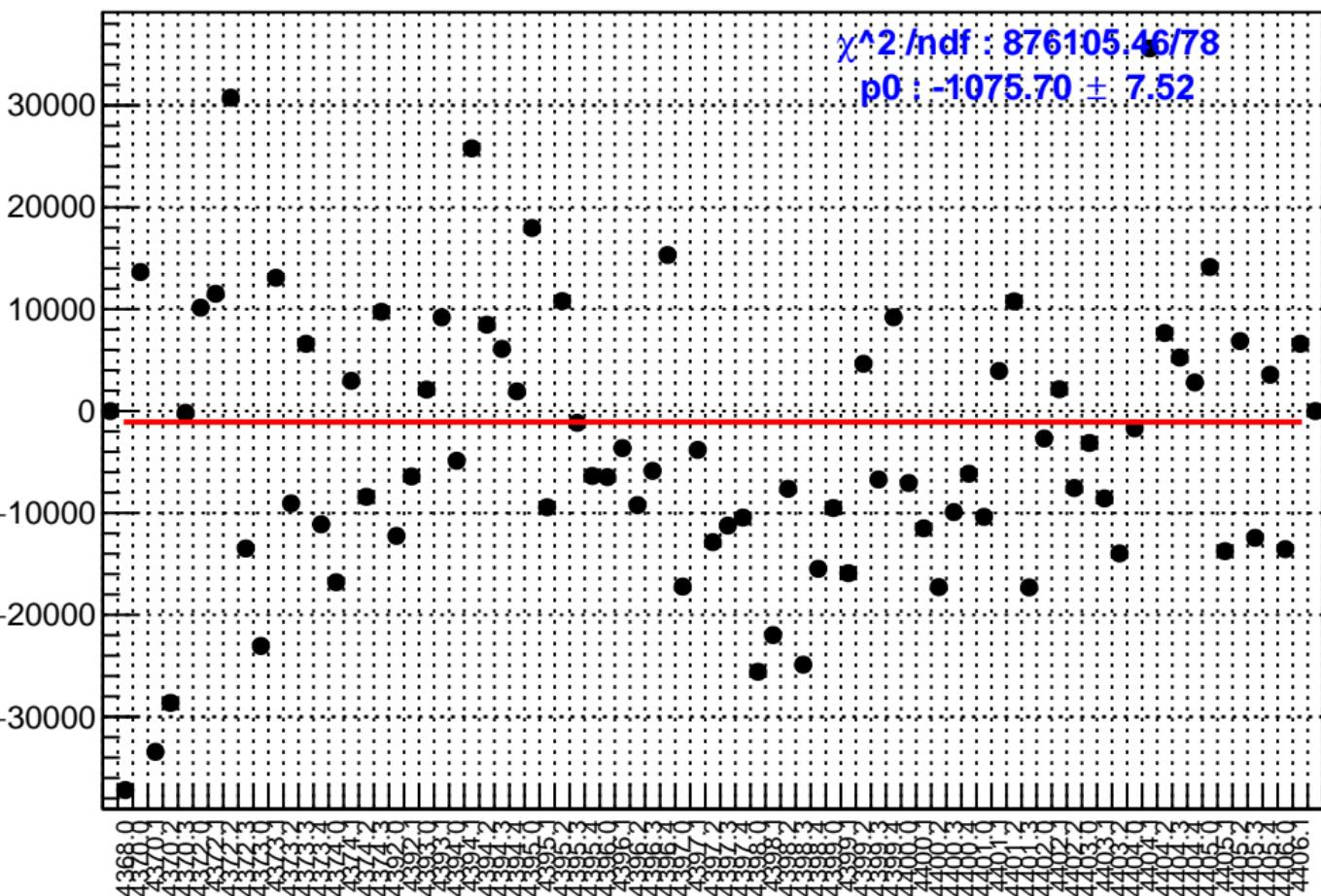


1D pull distribution

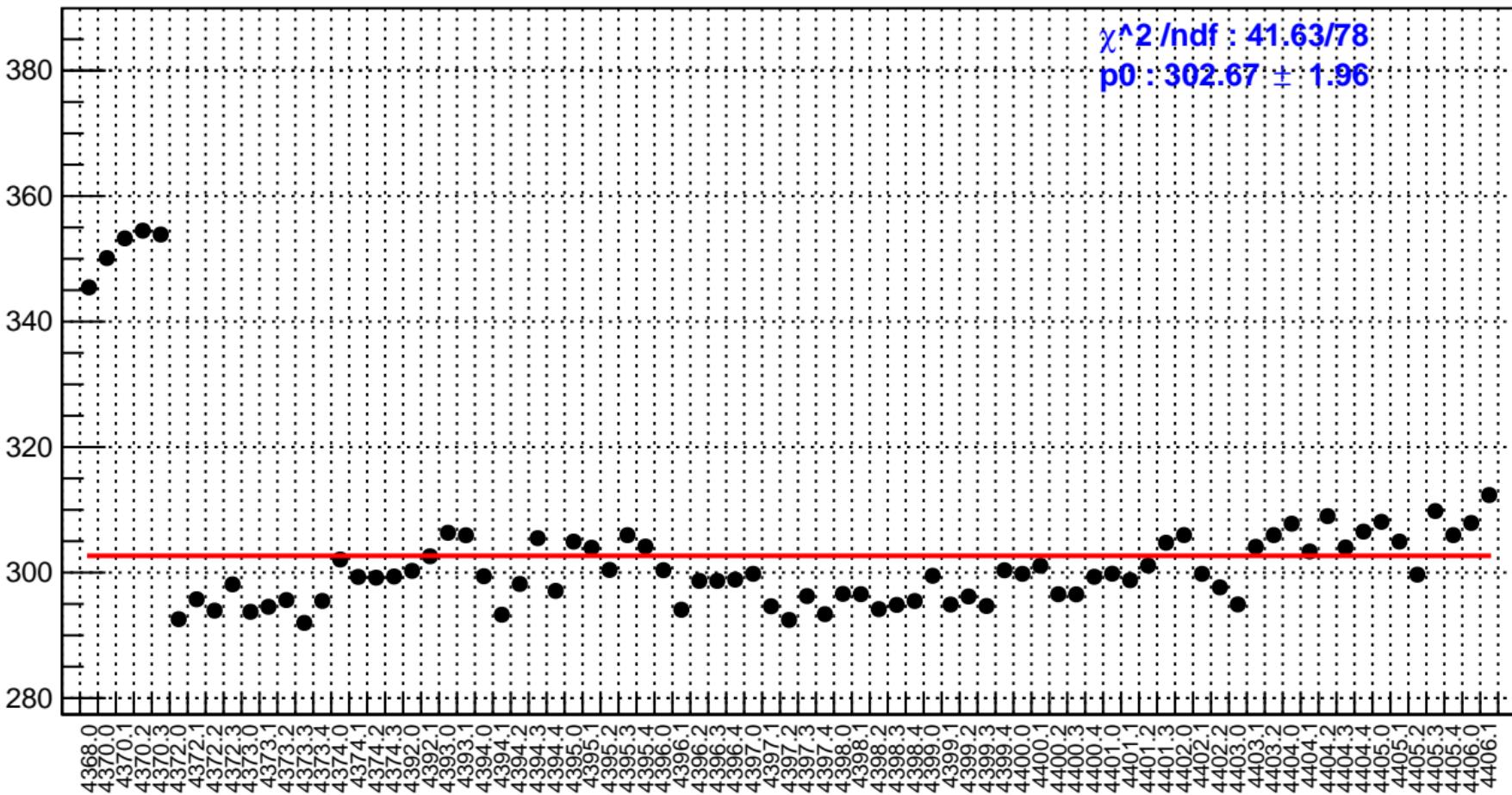


slug59: asym_atl1r2_avg.mean/ppb-reg_asym_atl1r2_avg.mean/ppb

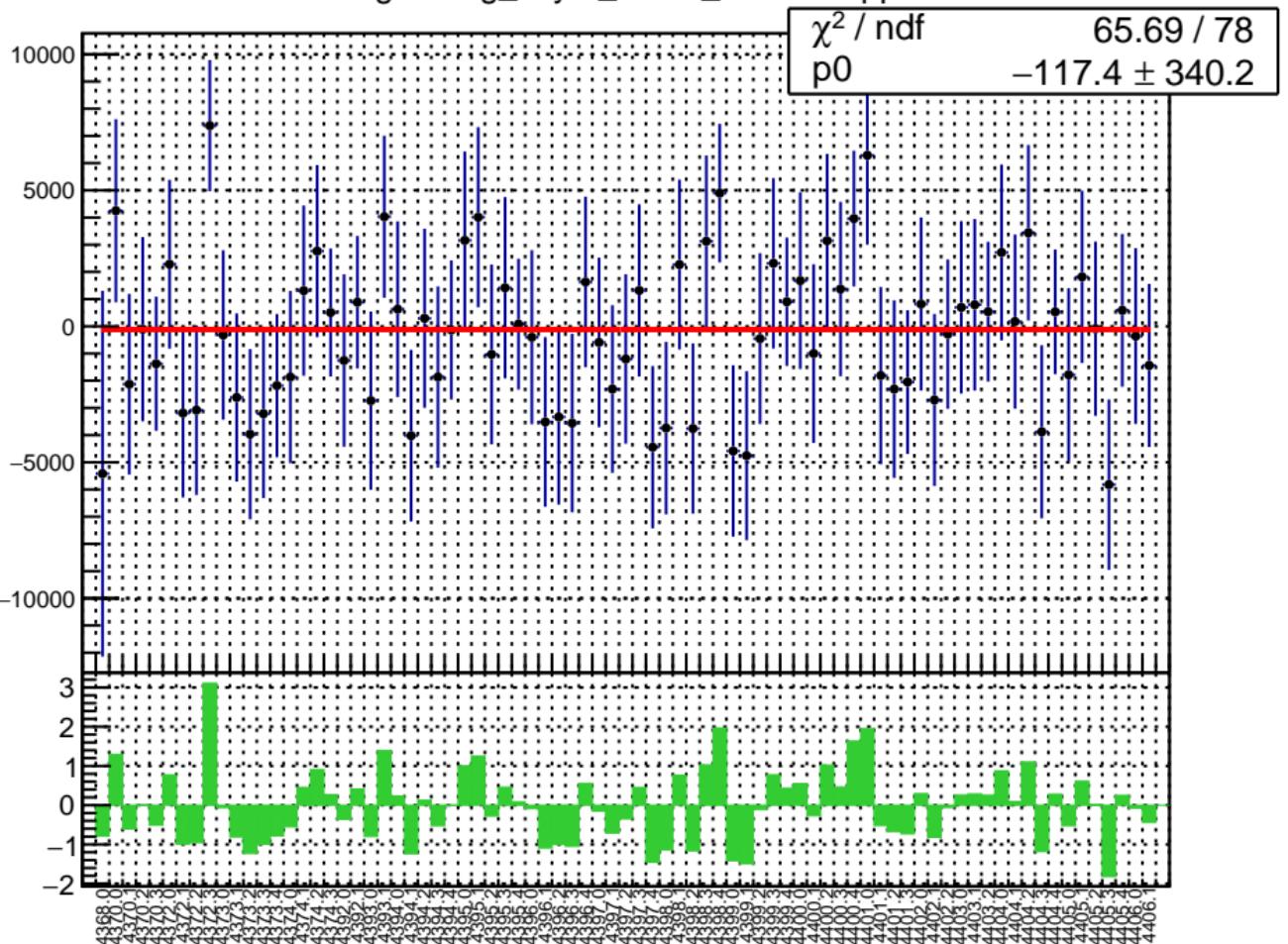
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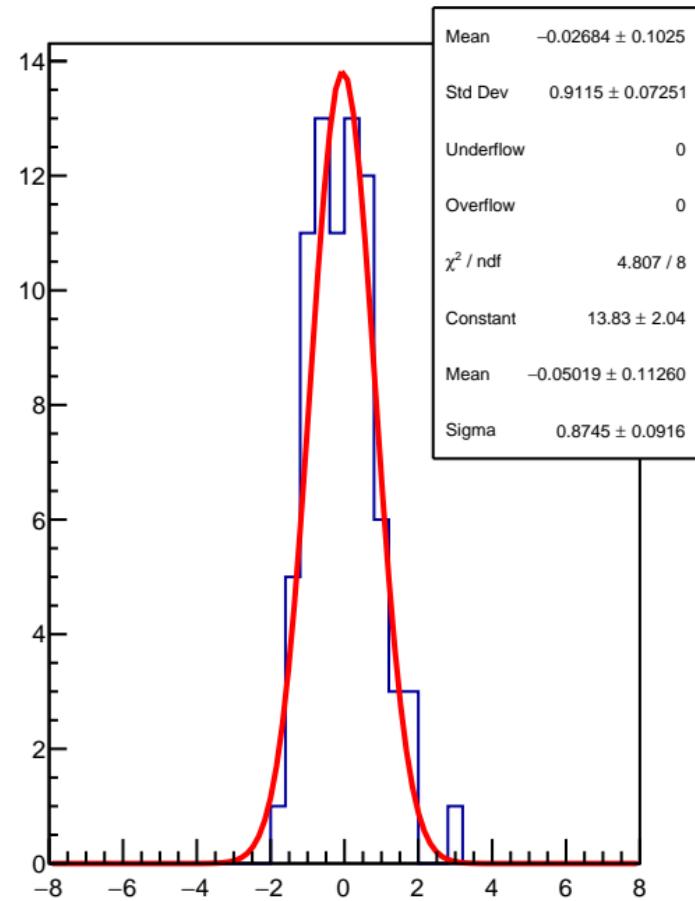
slug59: reg_asym_atl1r2_avg.rms/ppm



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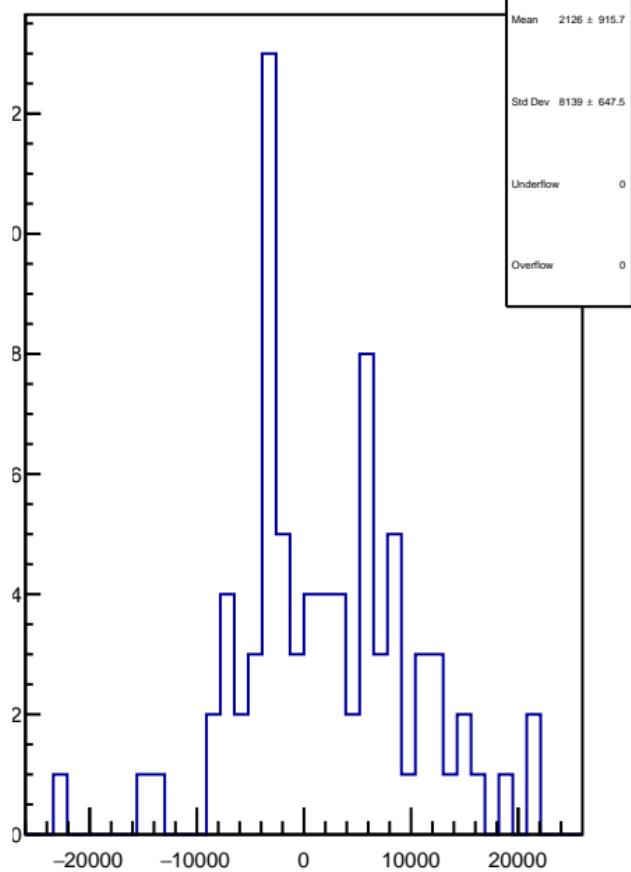
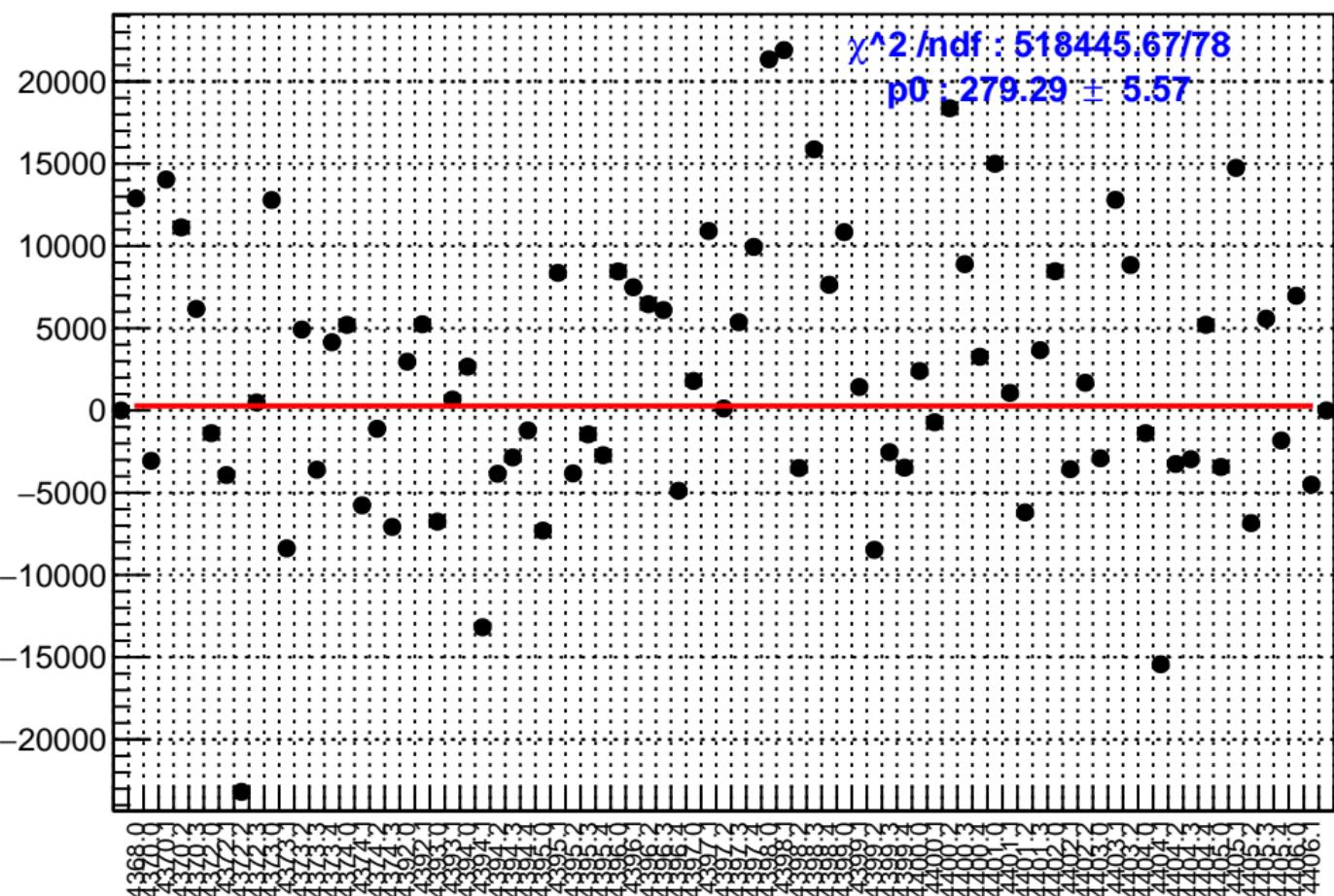


1D pull distribution

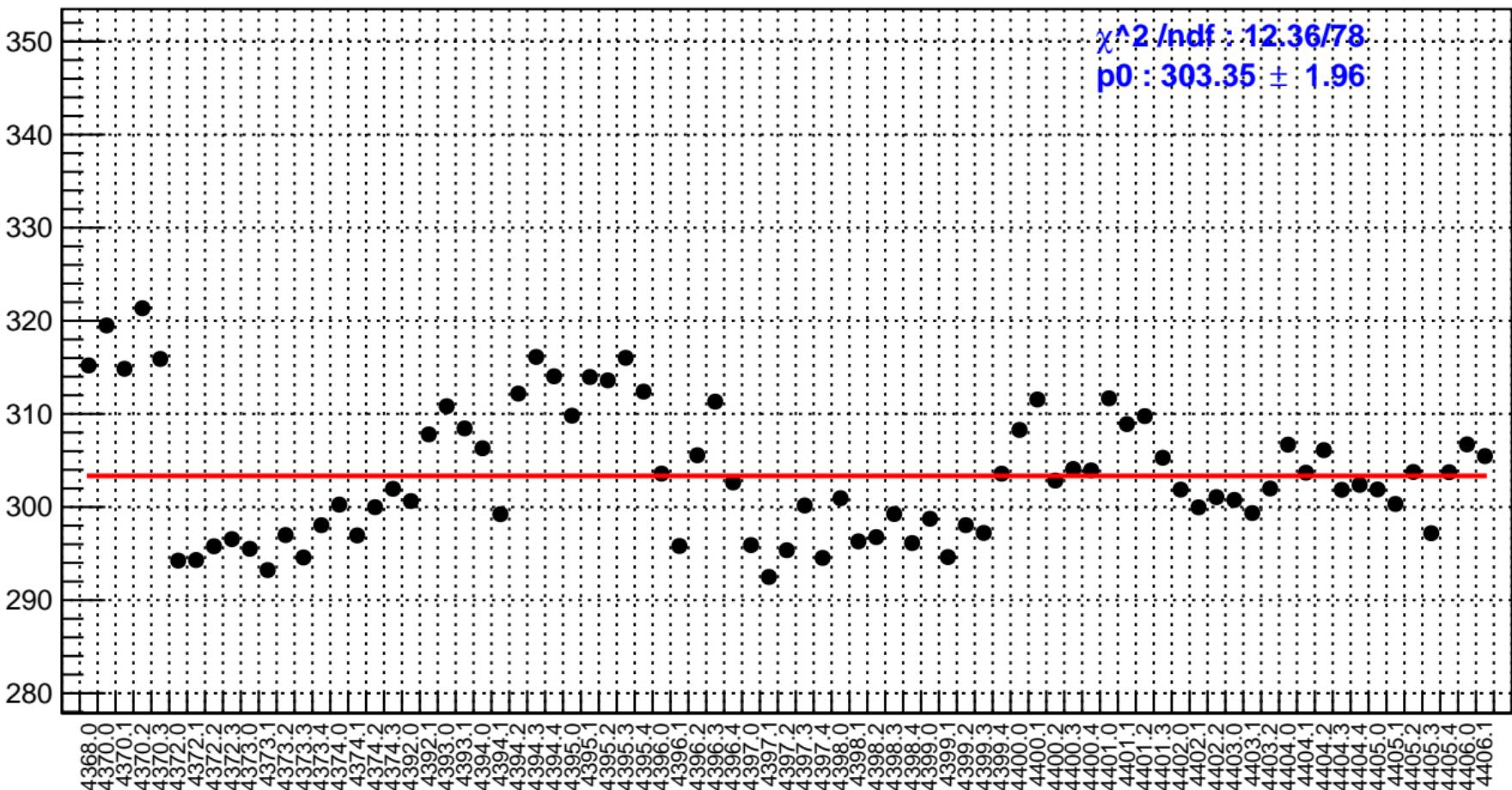


slug59: asym_atl1r2_dd.mean/ppb-reg_asym_atl1r2_dd.mean/ppb

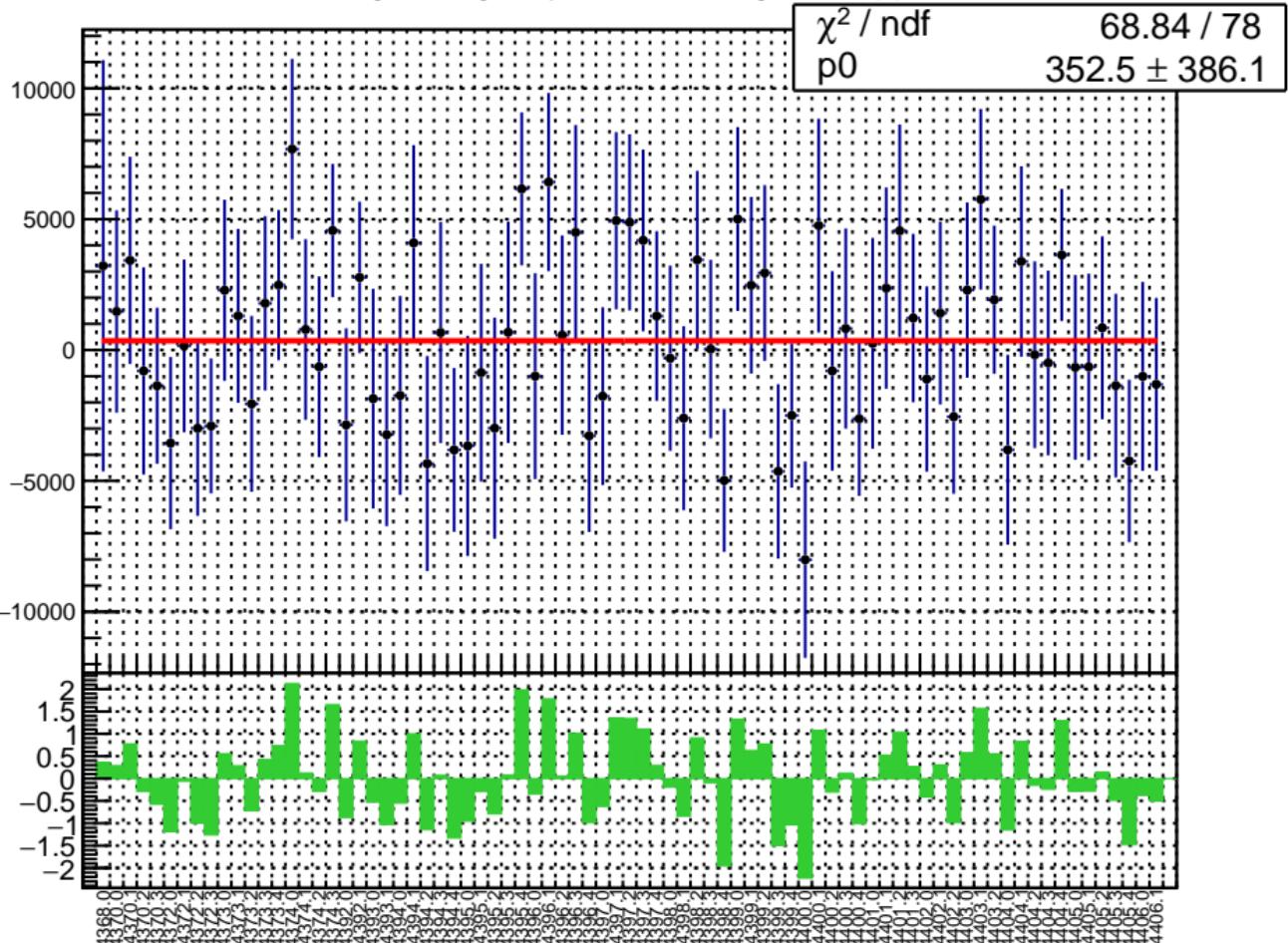
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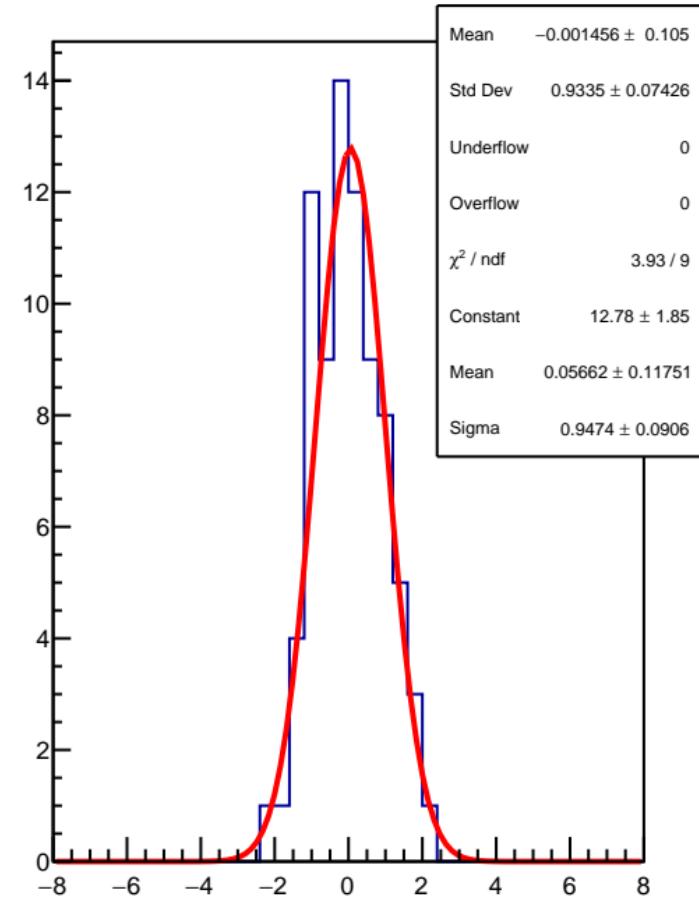
slug59: reg_asym_atl1r2_dd.rms/ppm



slug59: reg_asym_atr1l2_avg.mean/ppb

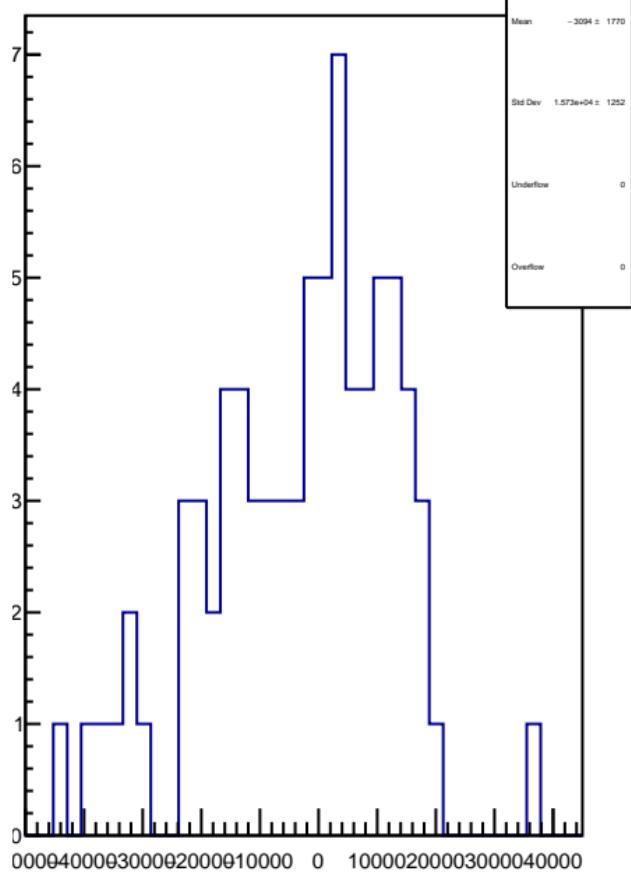
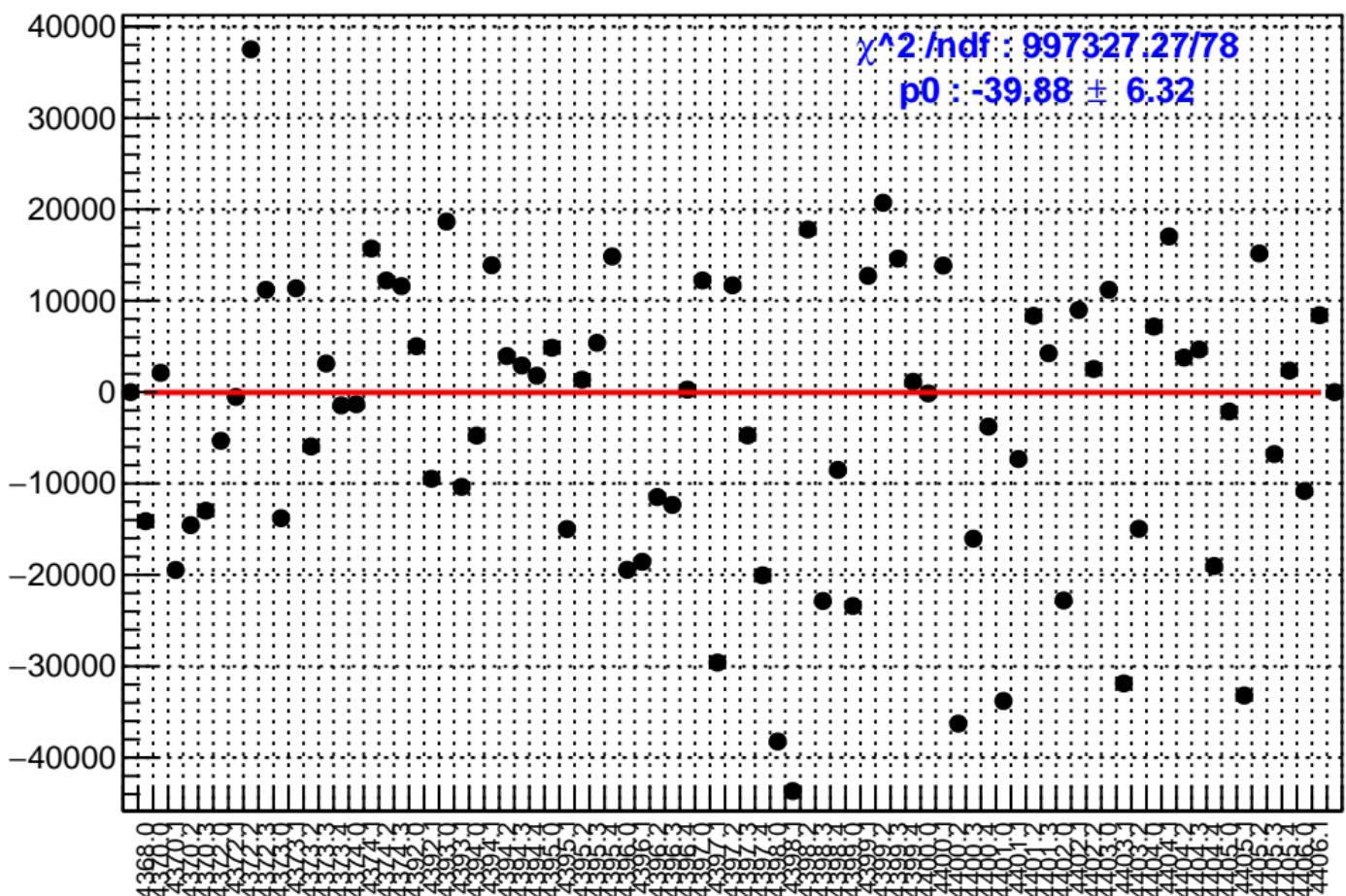


1D pull distribution

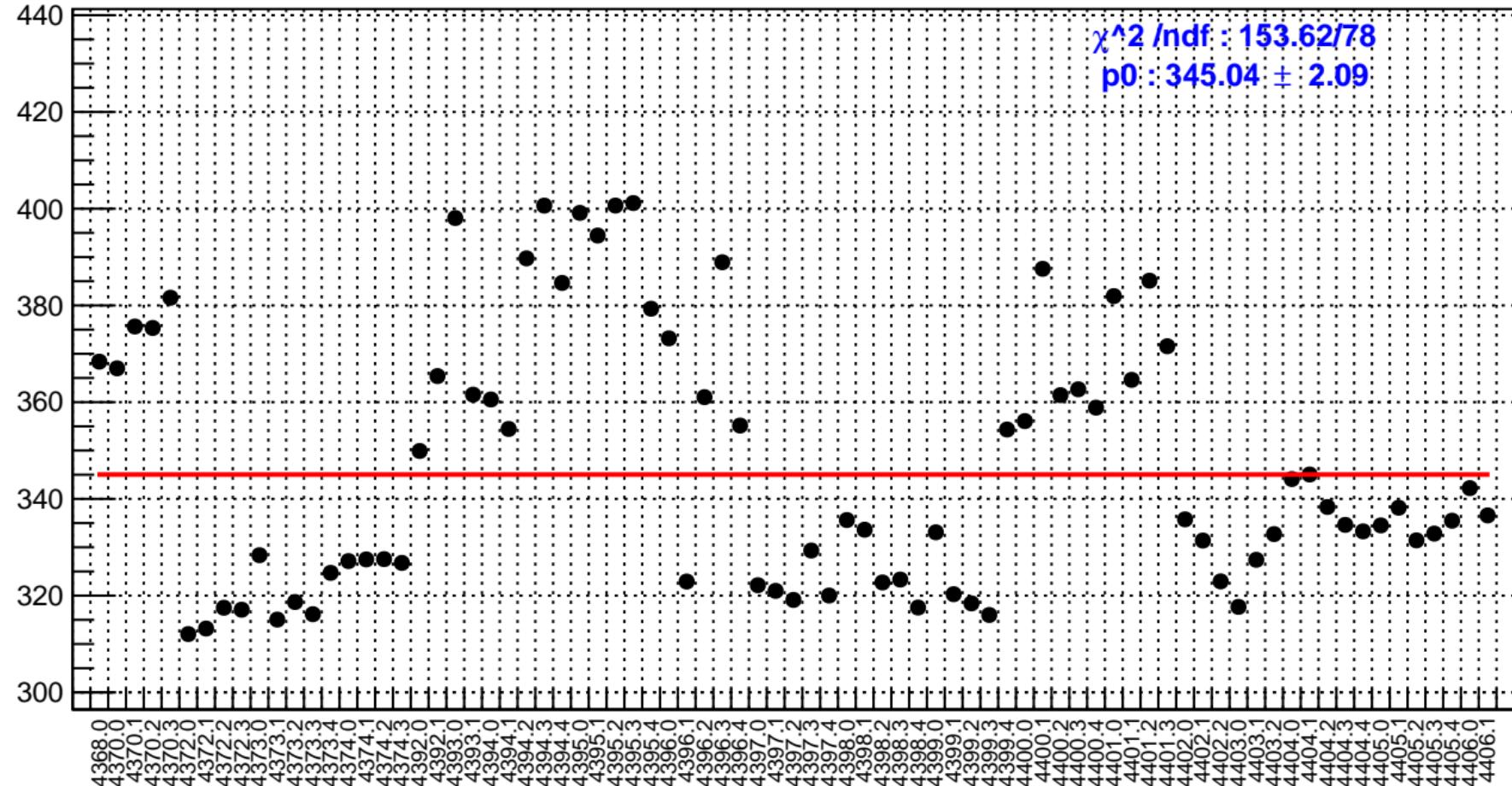


slug59: asym_atr1l2_avg.mean/ppb-reg_asym_atr1l2_avg.mean/ppb

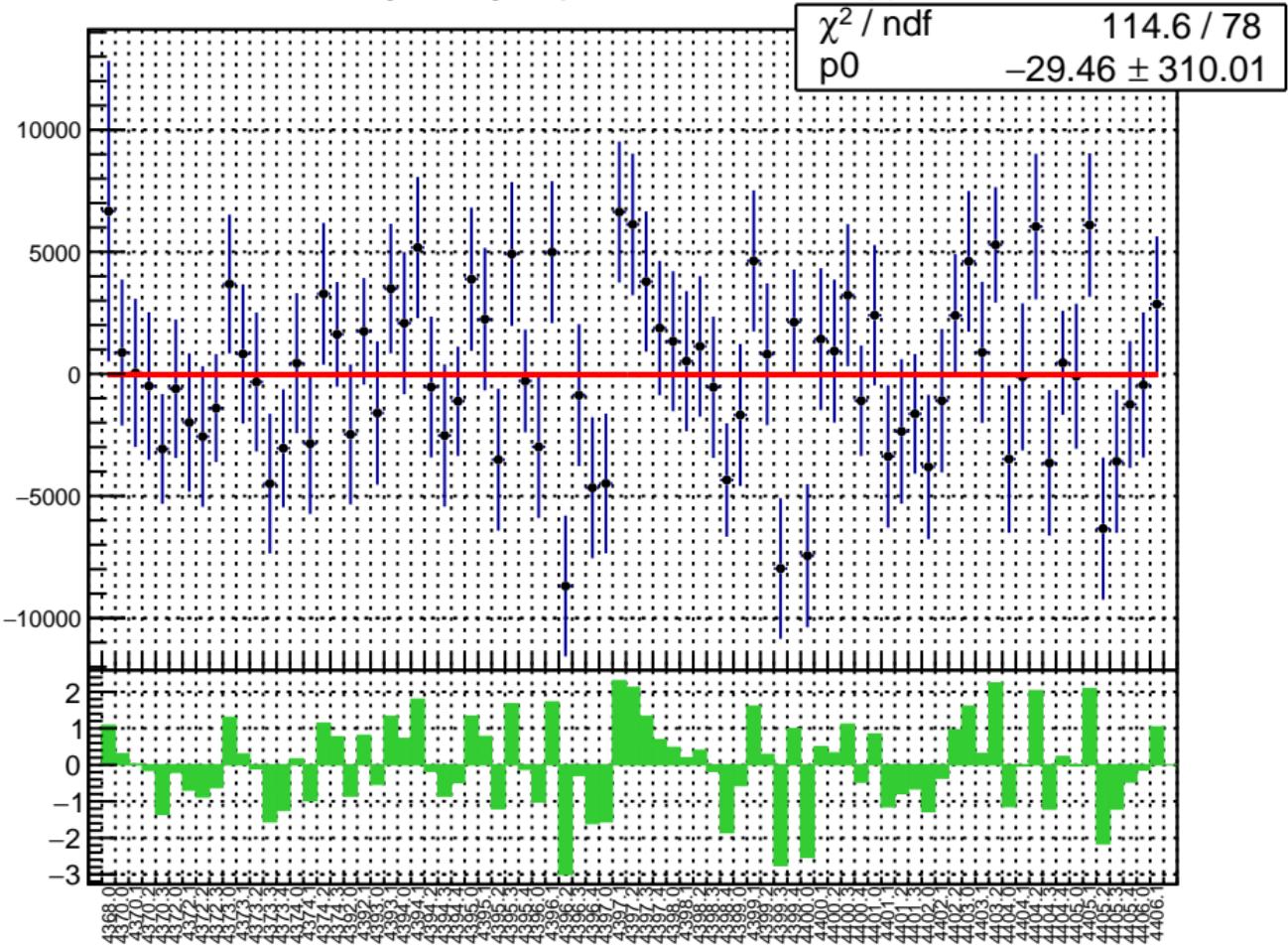
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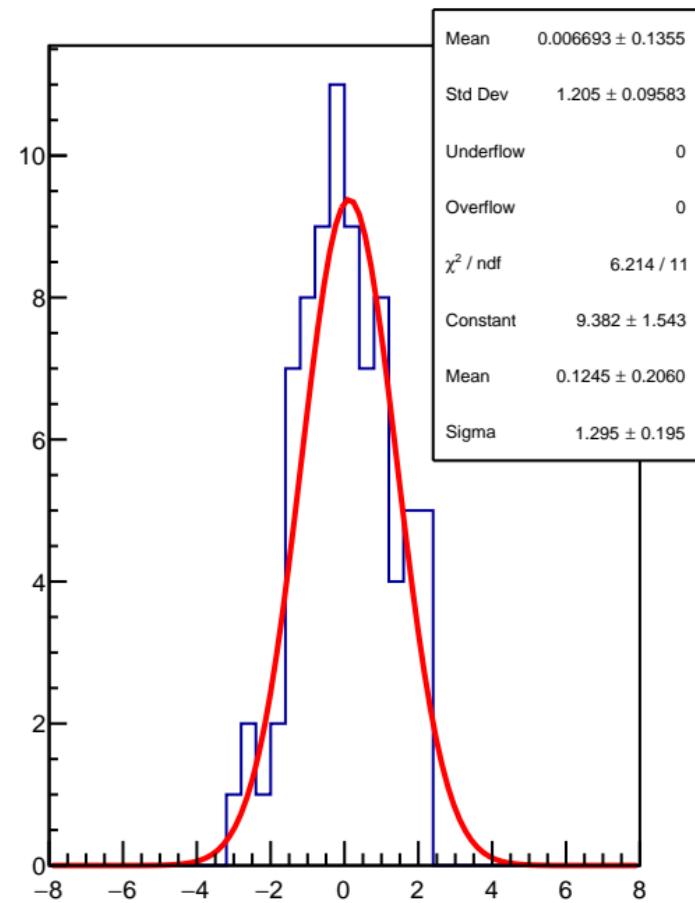
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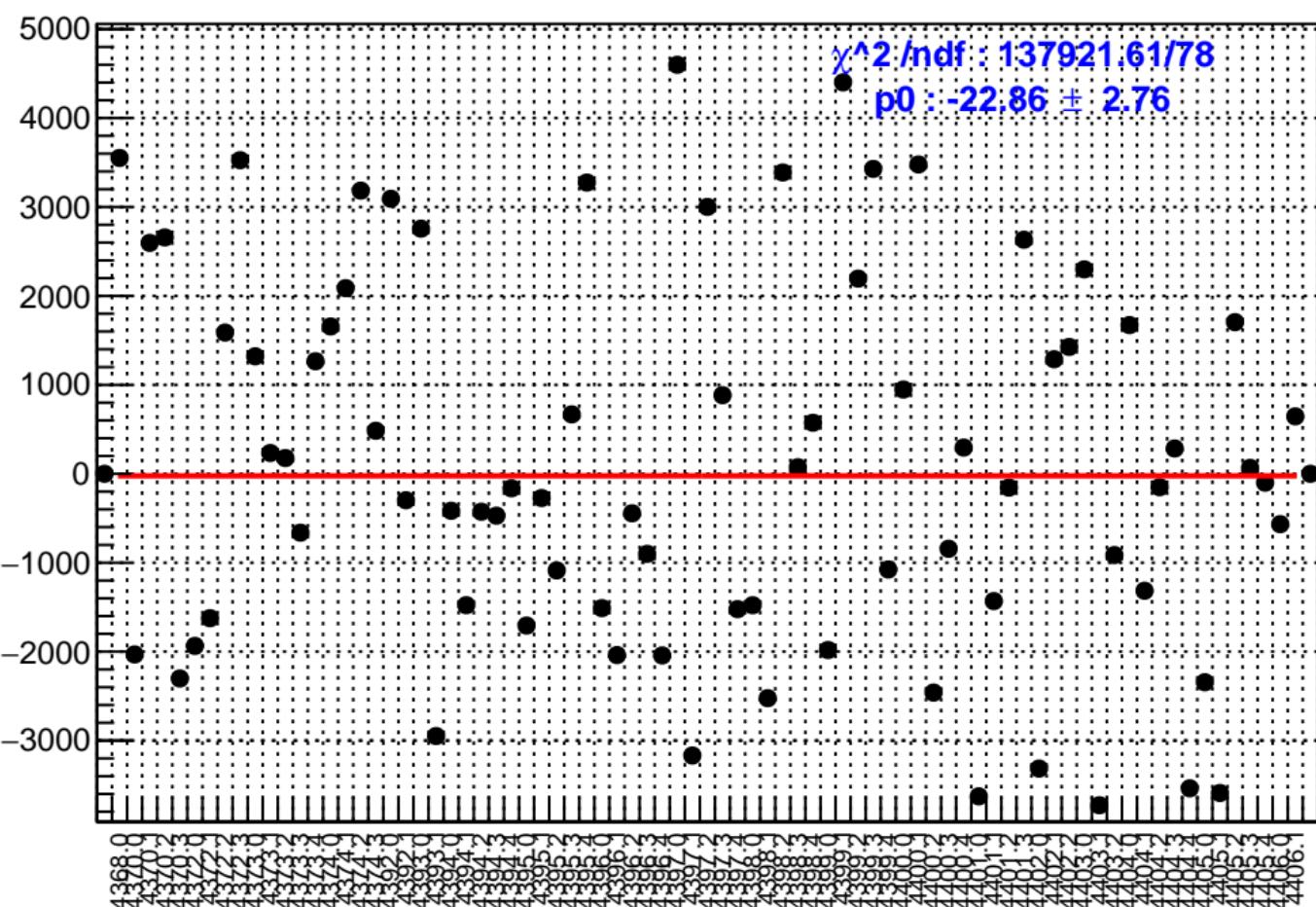
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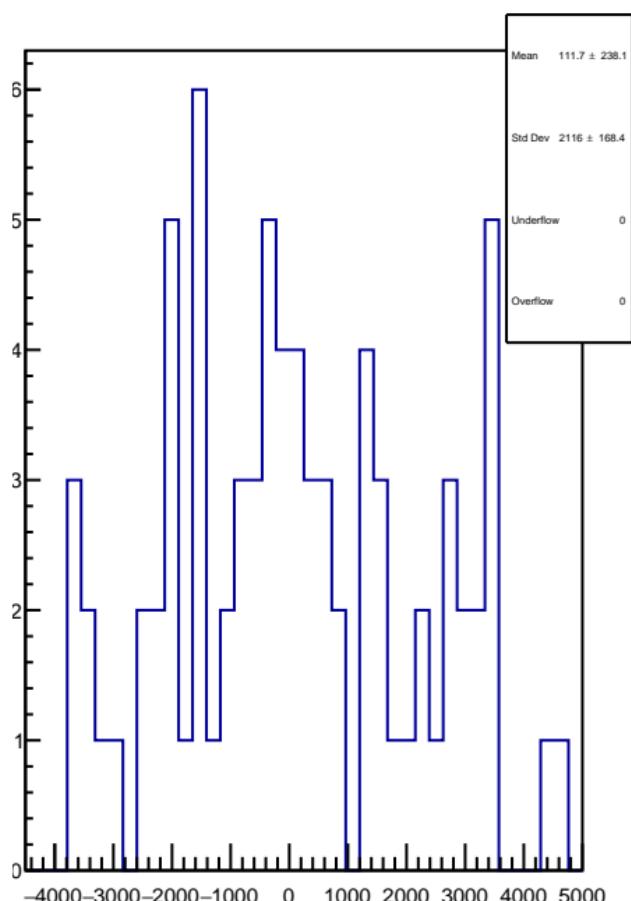
1D pull distribution



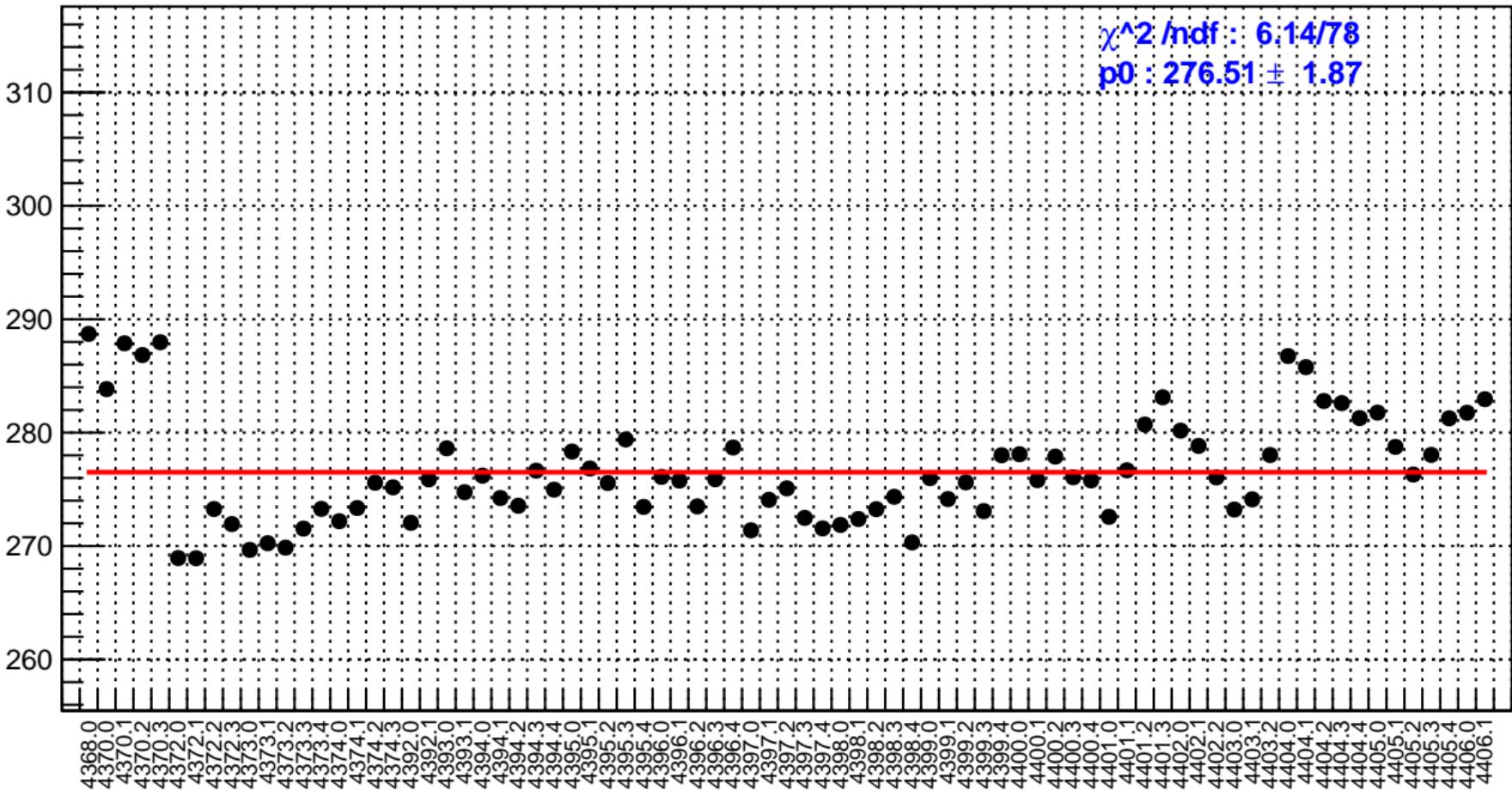
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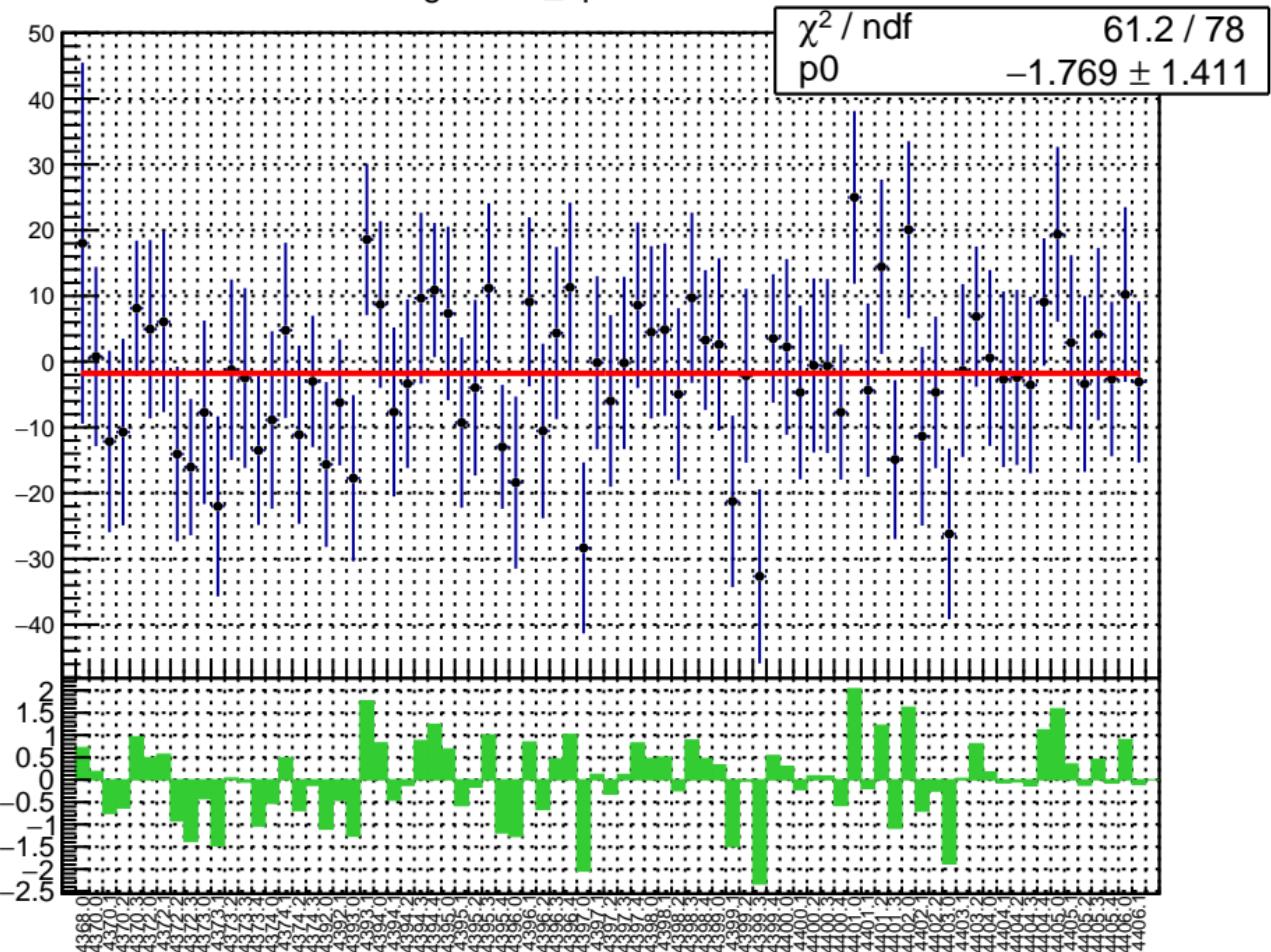
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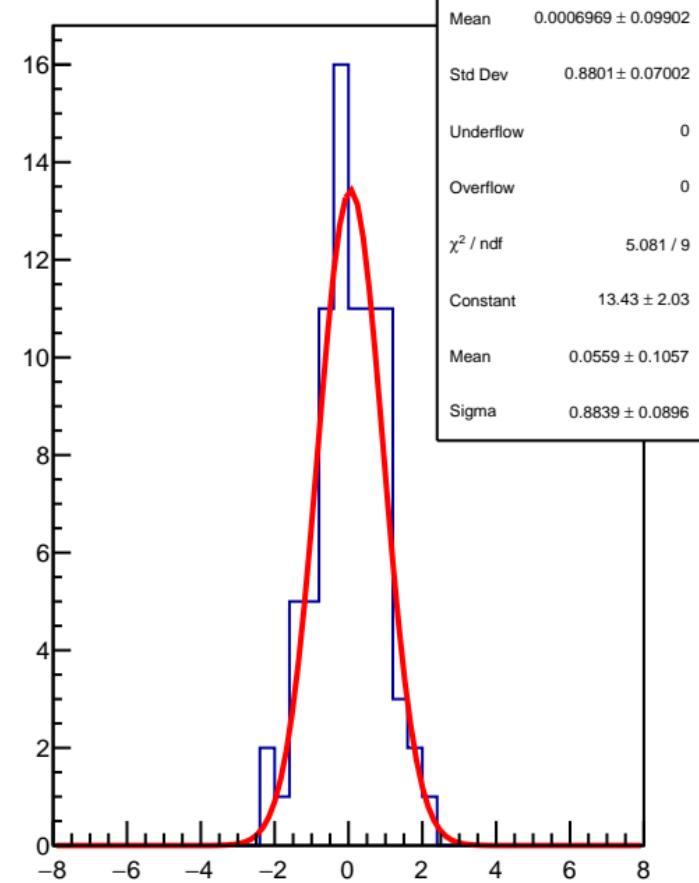
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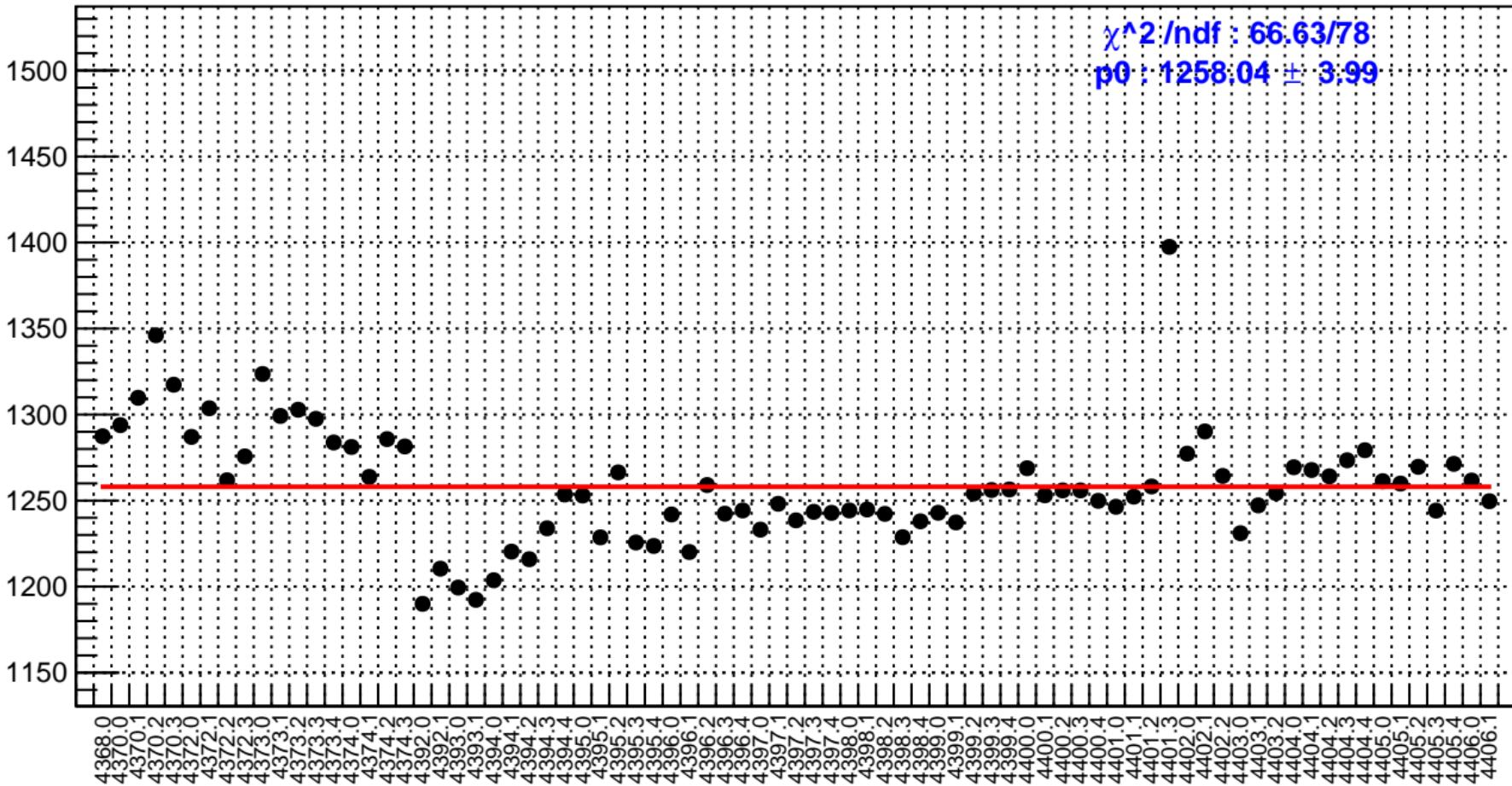
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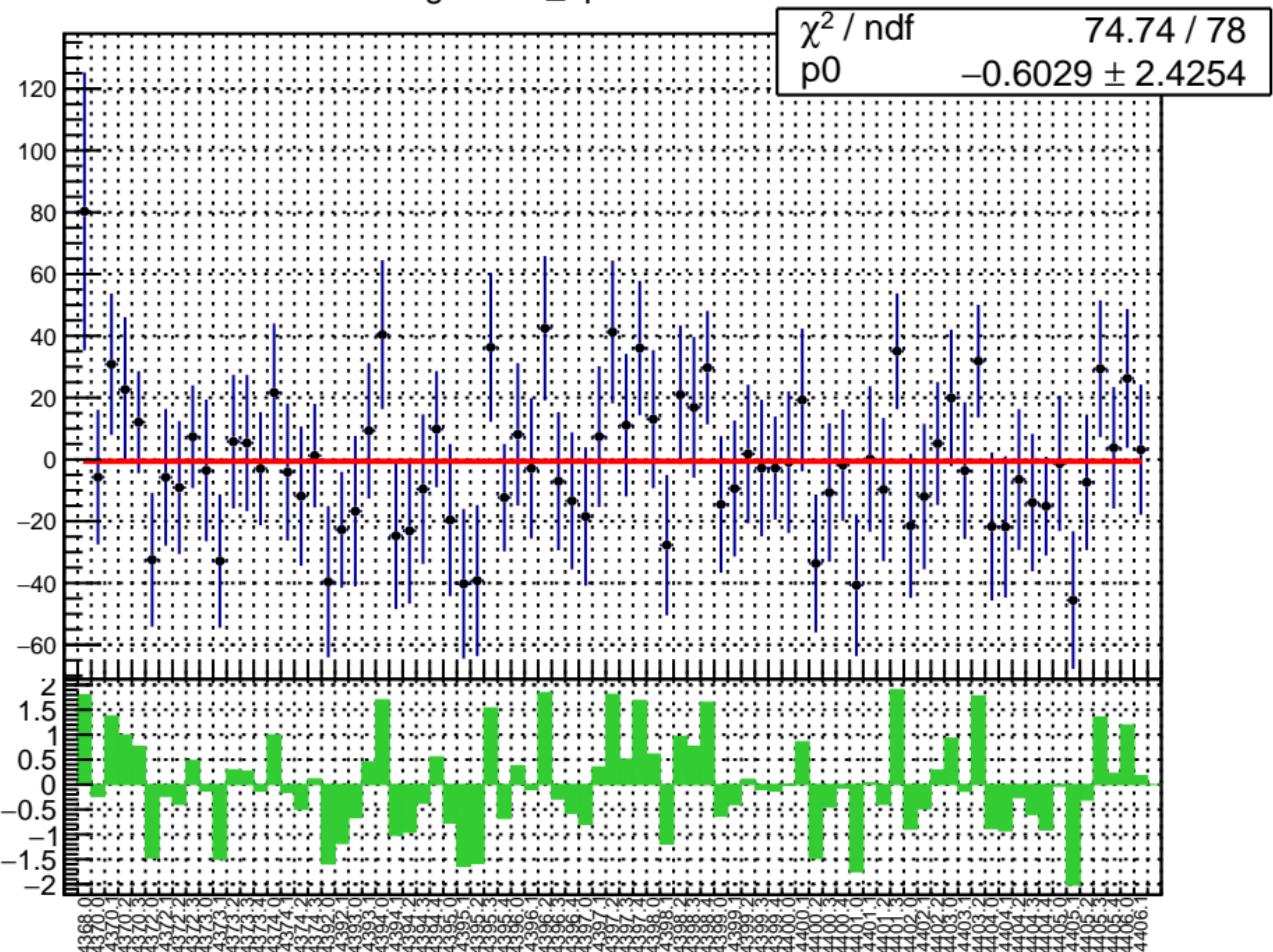
1D pull distribution



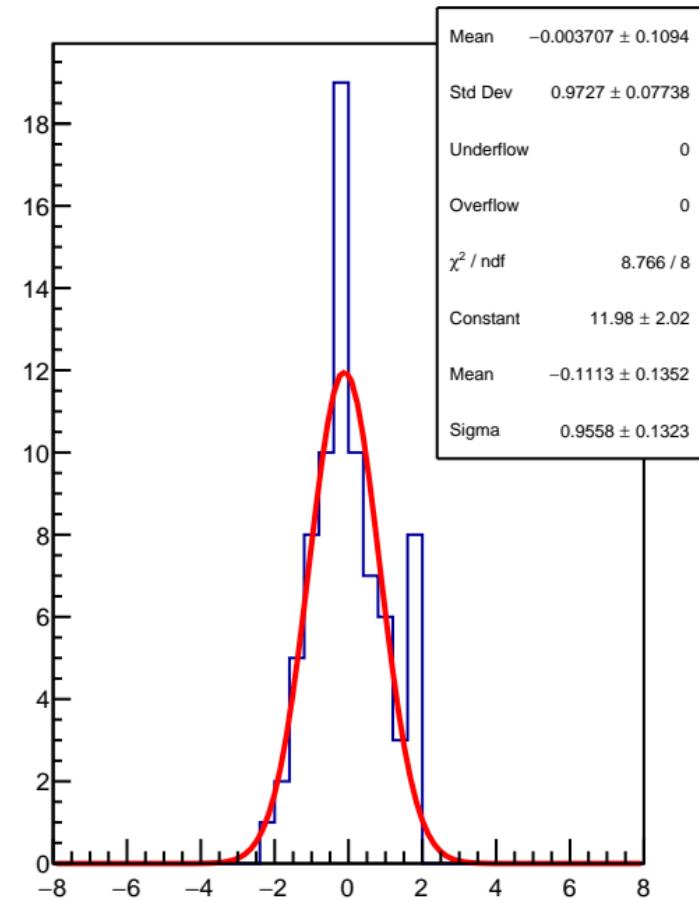
slug59: diff_bpm4aX.rms/nm



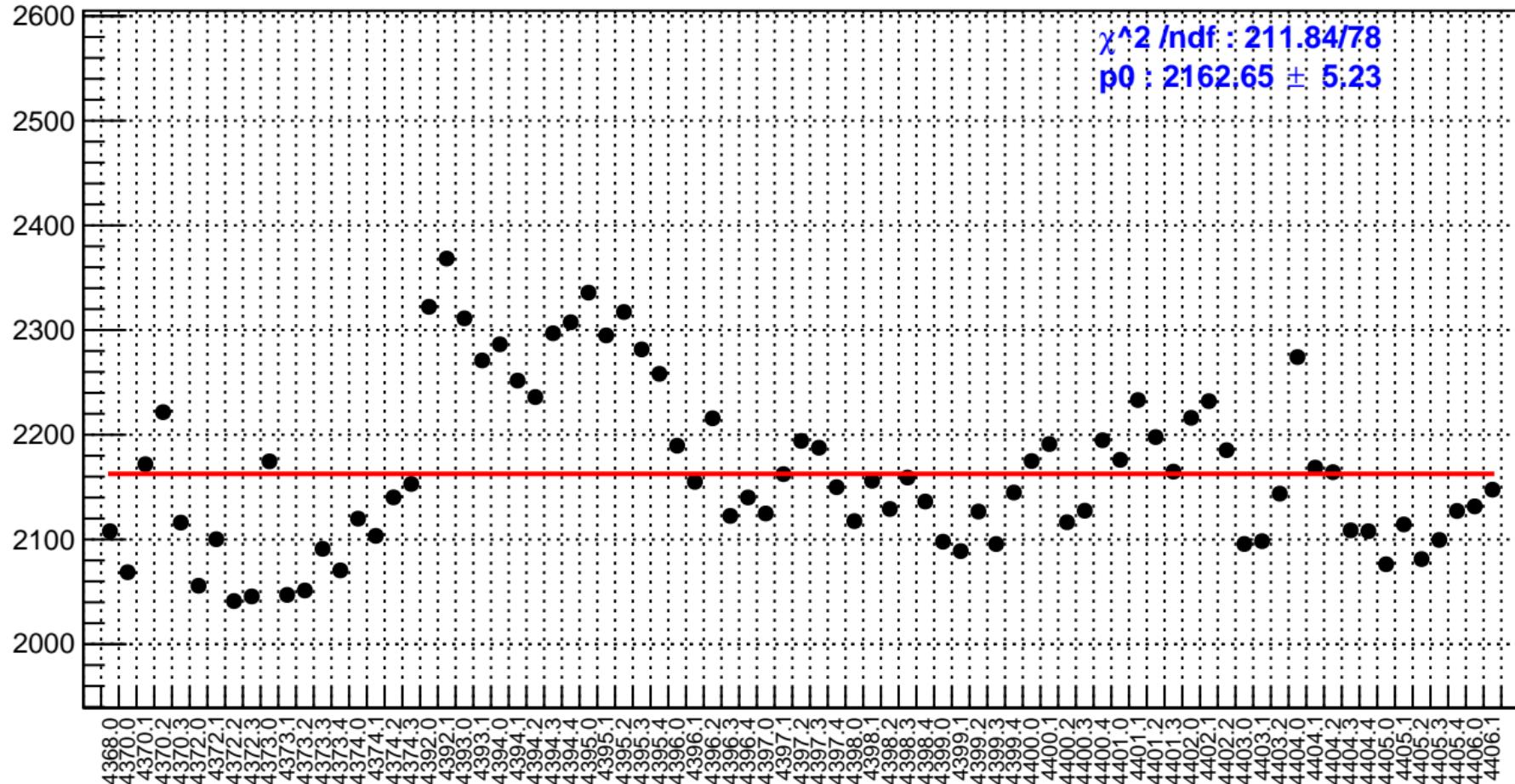
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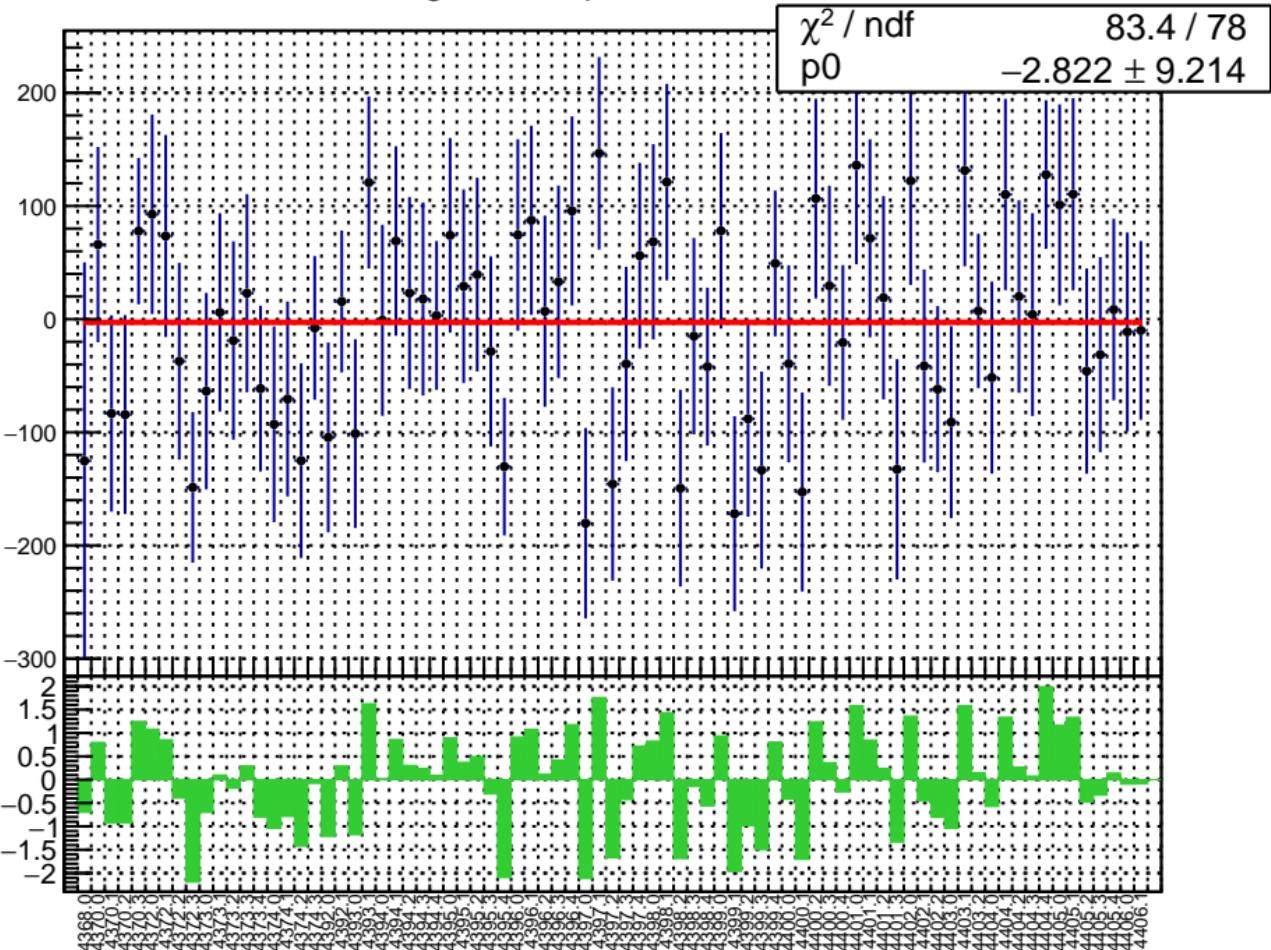
1D pull distribution



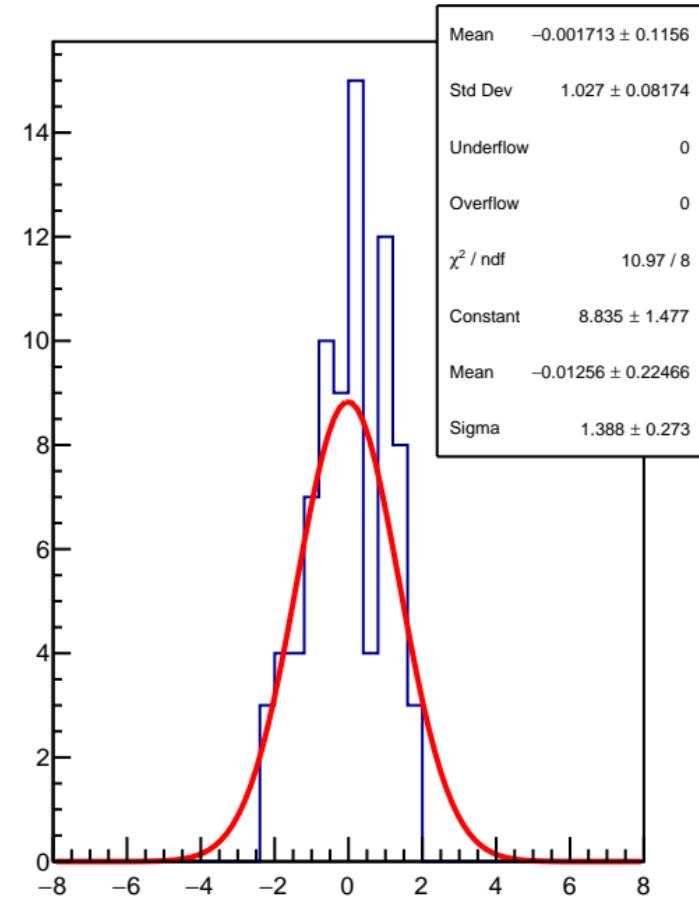
slug59: diff_bpm4aY.rms/nm



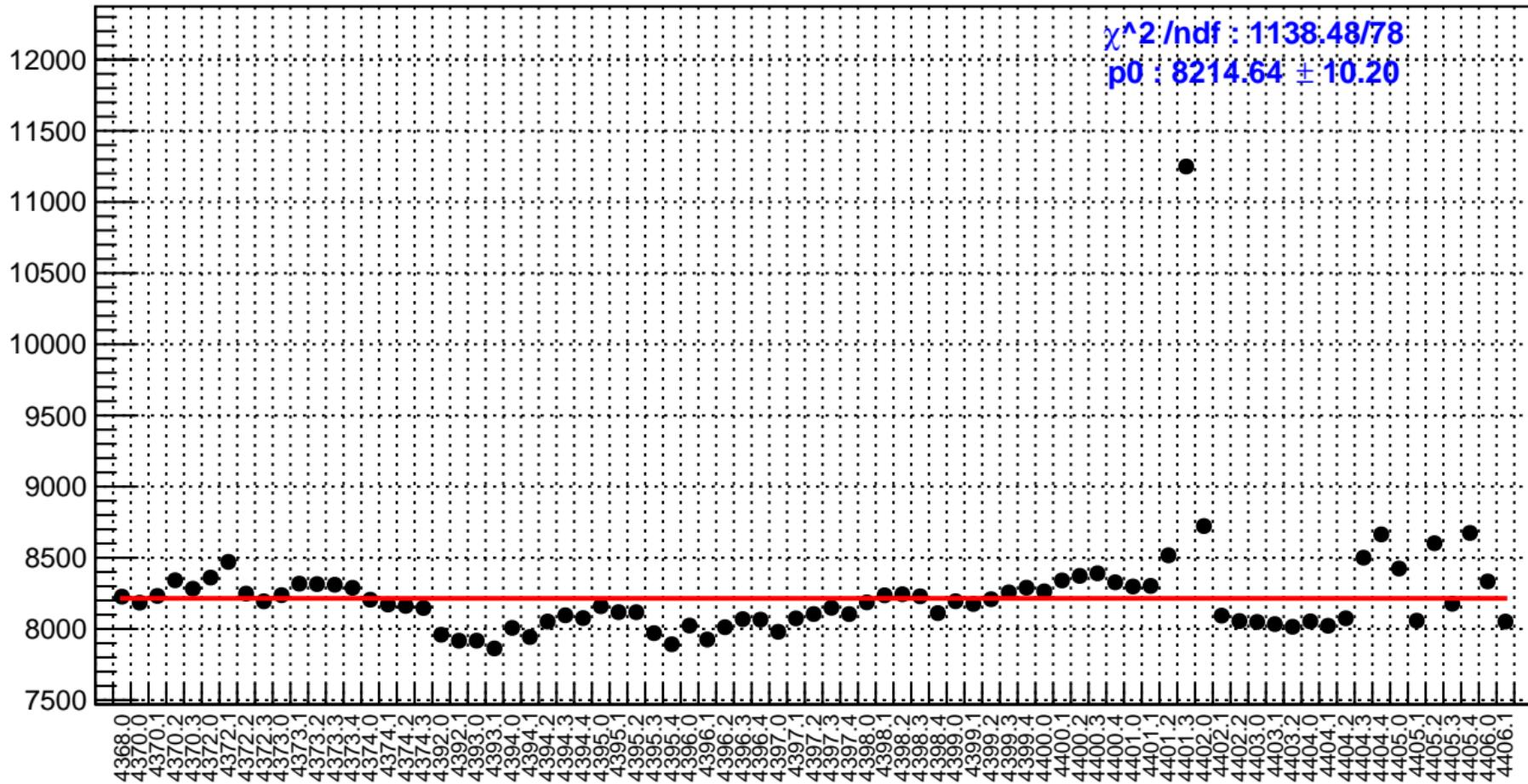
slug59: diff_bpm4eX.mean/nm



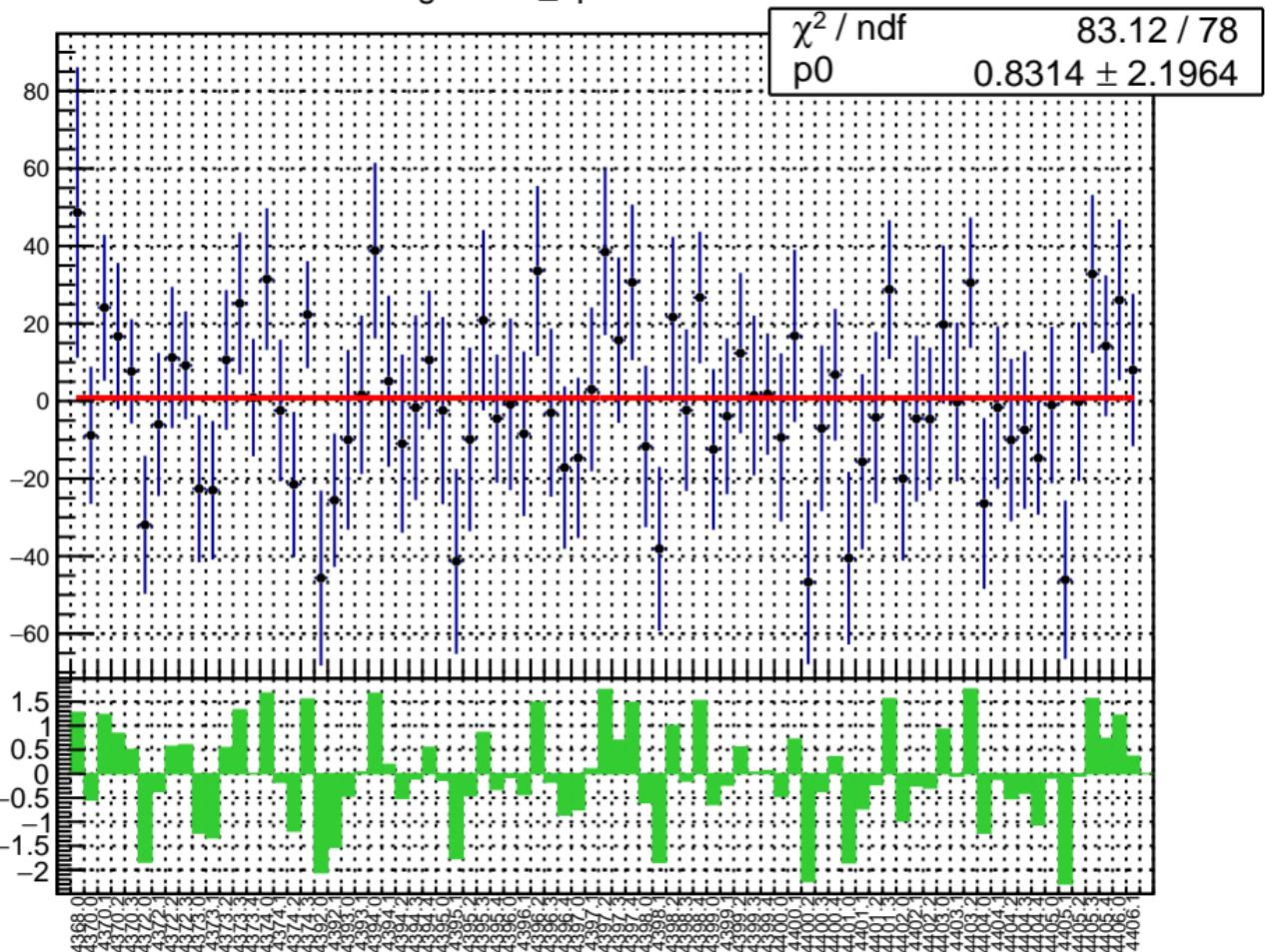
1D pull distribution



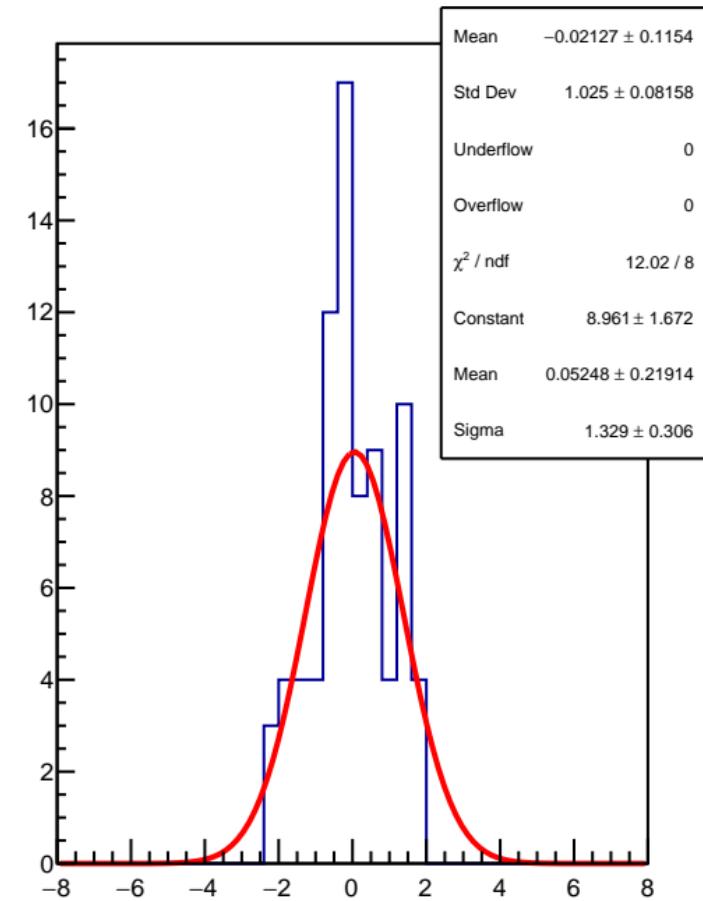
slug59: diff_bpm4eX.rms/nm



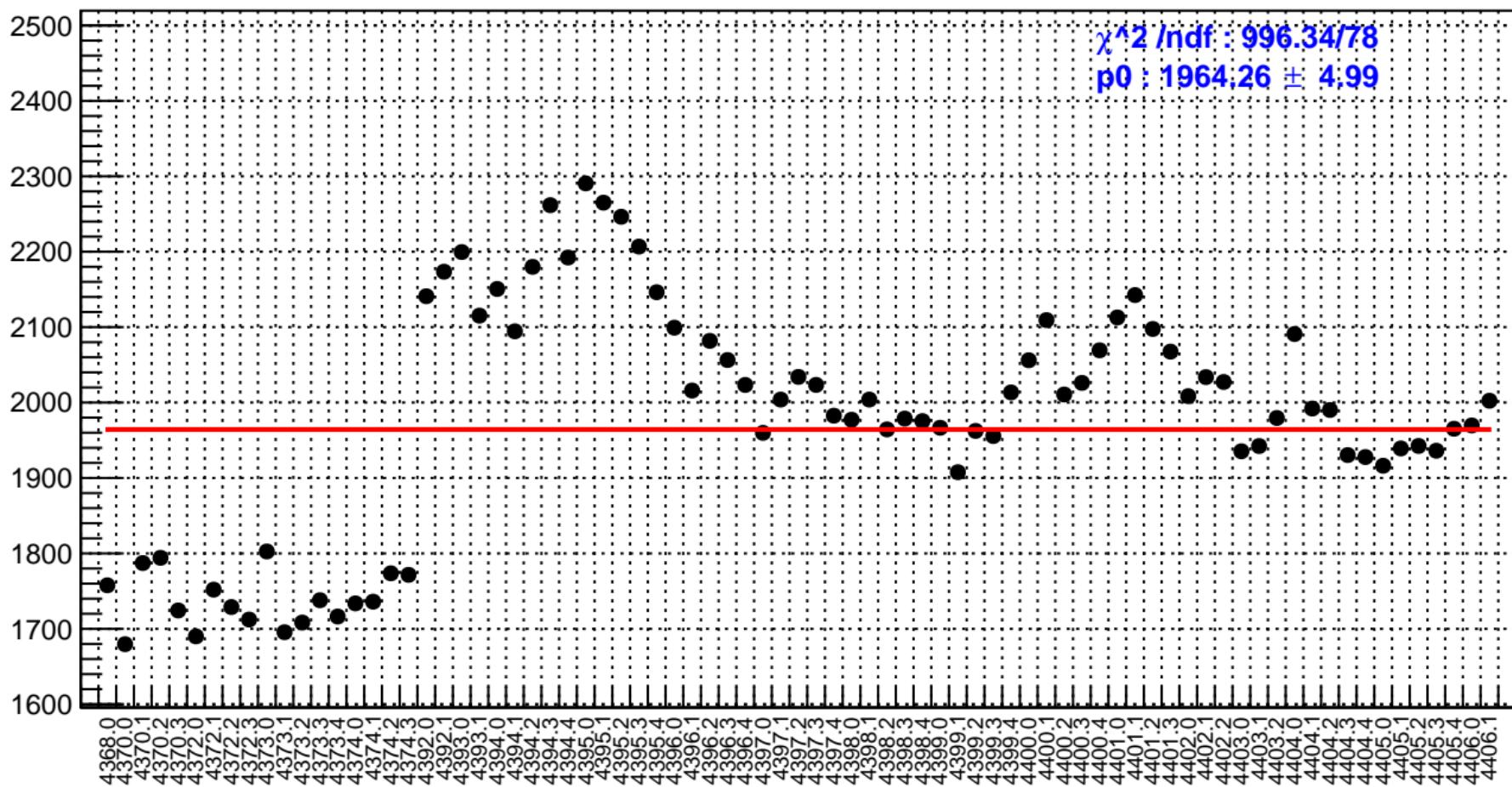
slug59: diff_bpm4eY.mean/nm



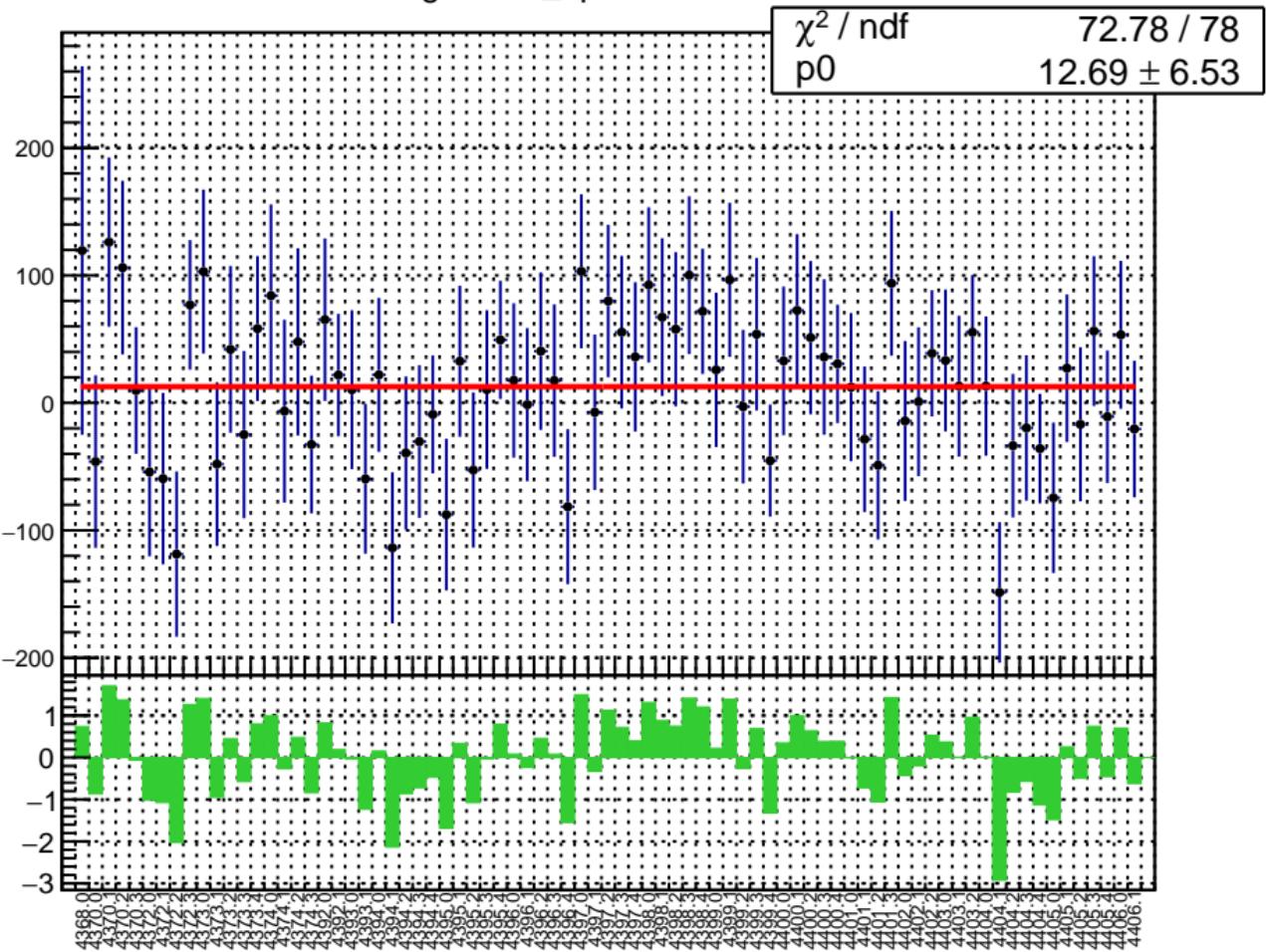
1D pull distribution



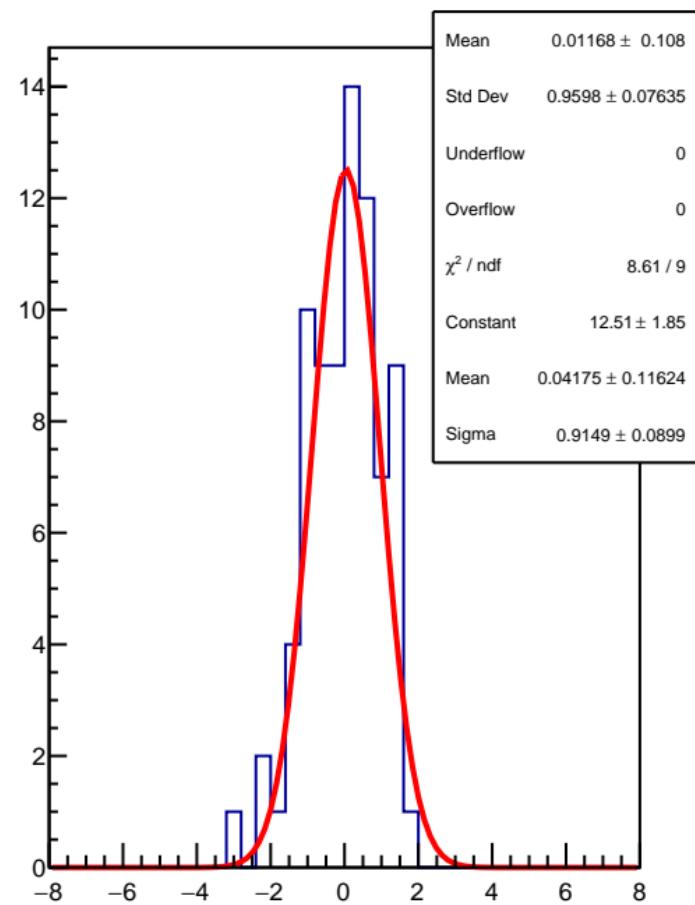
slug59: diff_bpm4eY.rms/nm



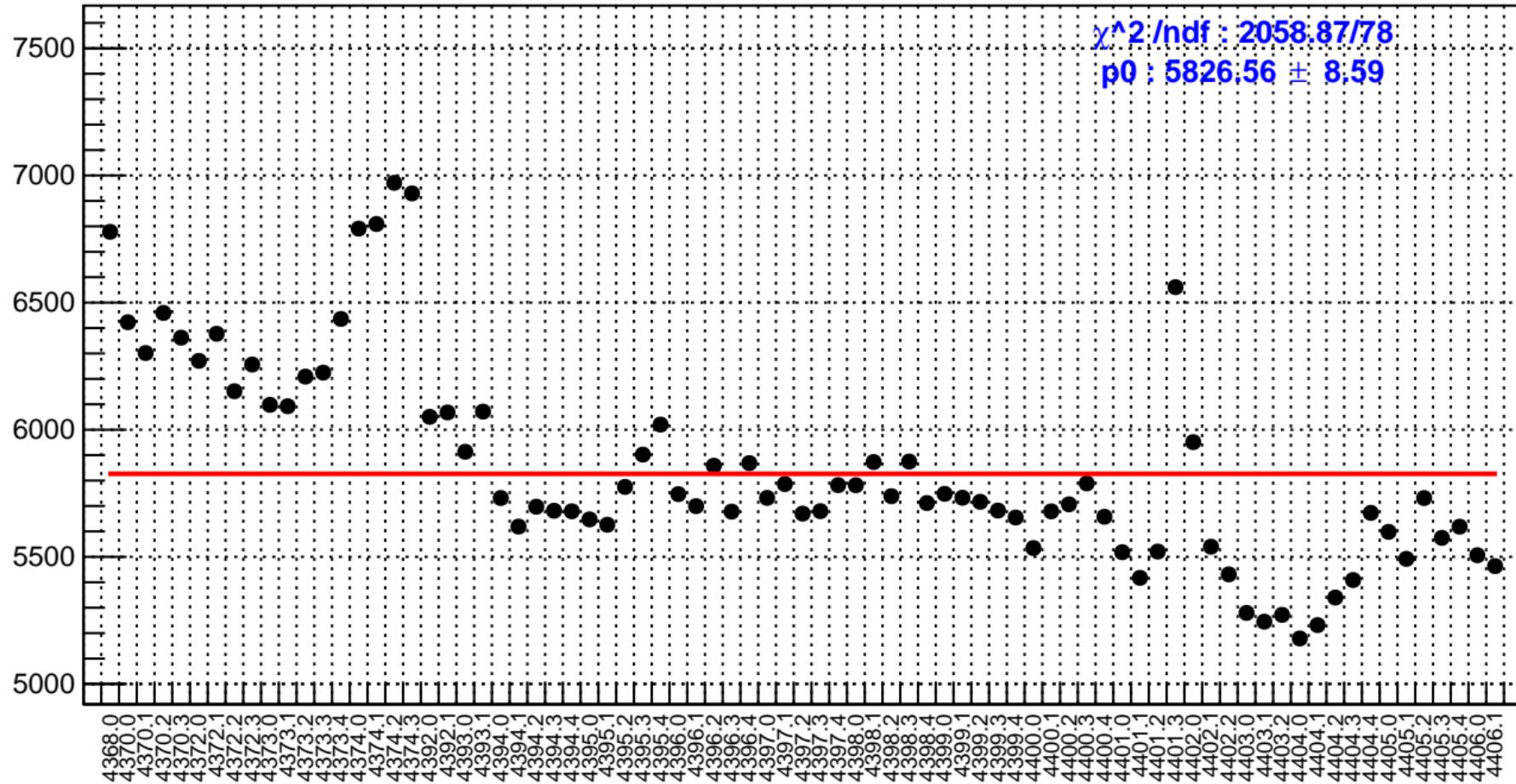
slug59: diff_bpm11X.mean/nm



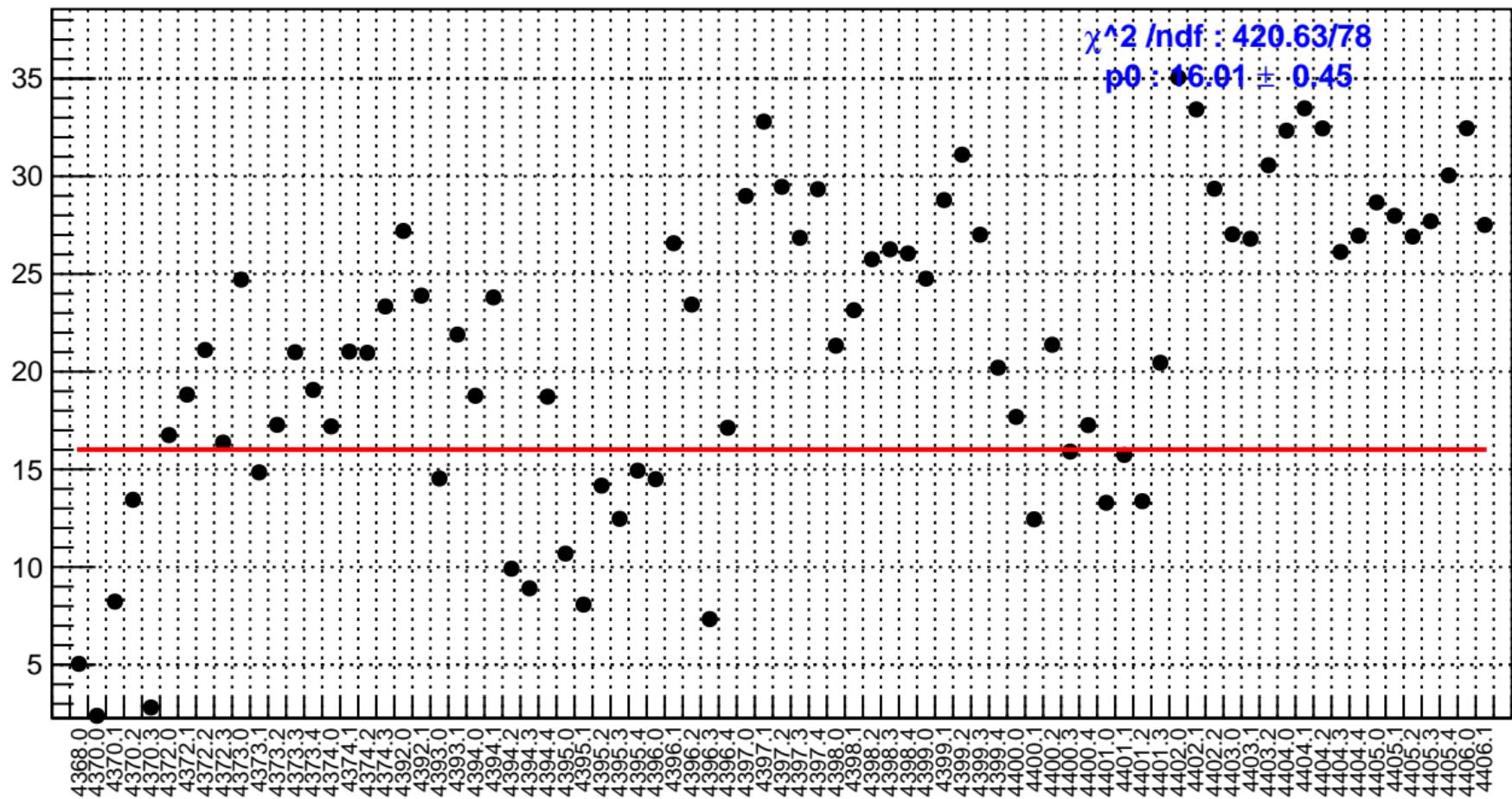
1D pull distribution



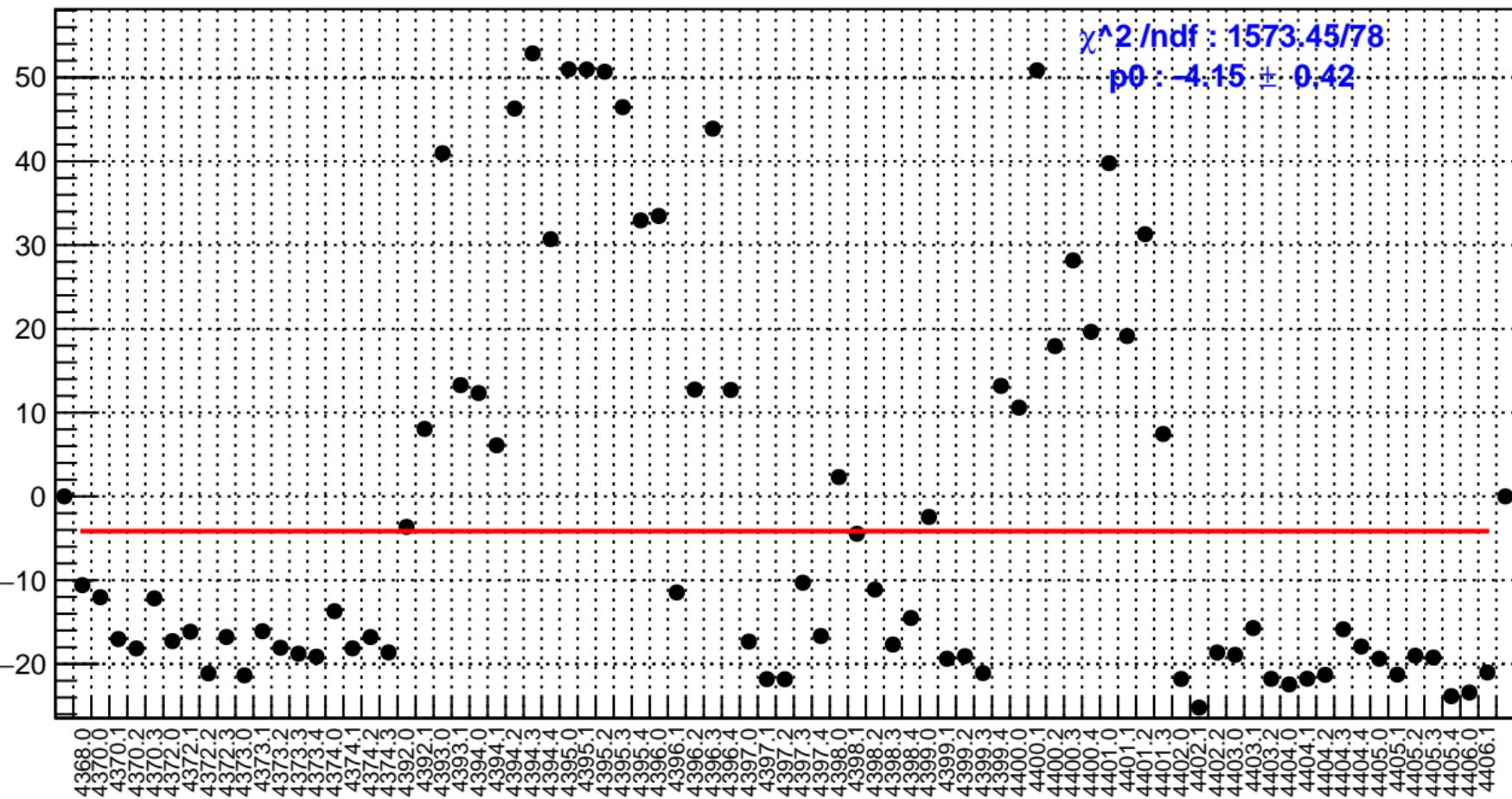
slug59: diff_bpm11X.rms/nm



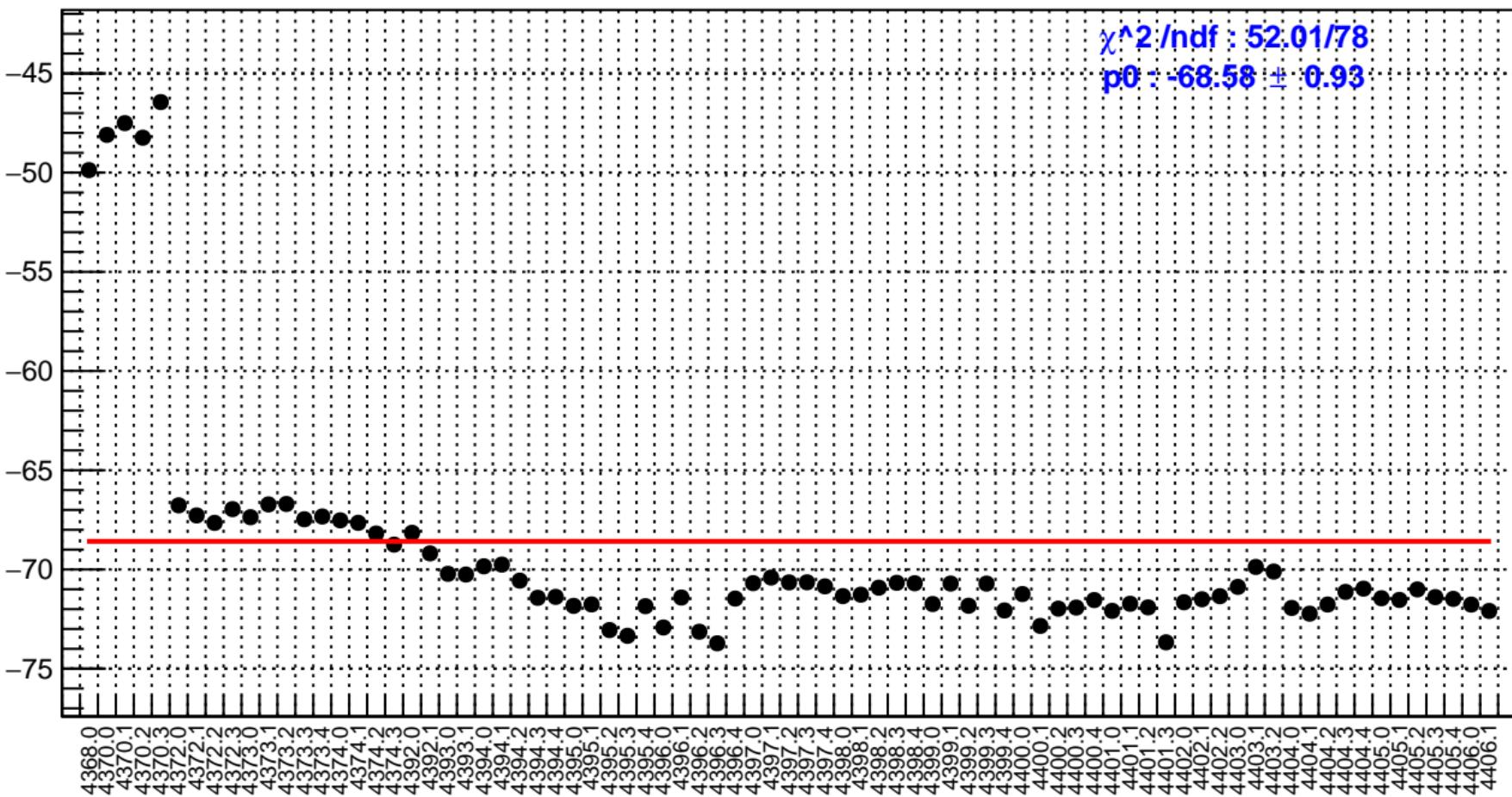
slug59: usl_bpm4aX/(ppb/nm)



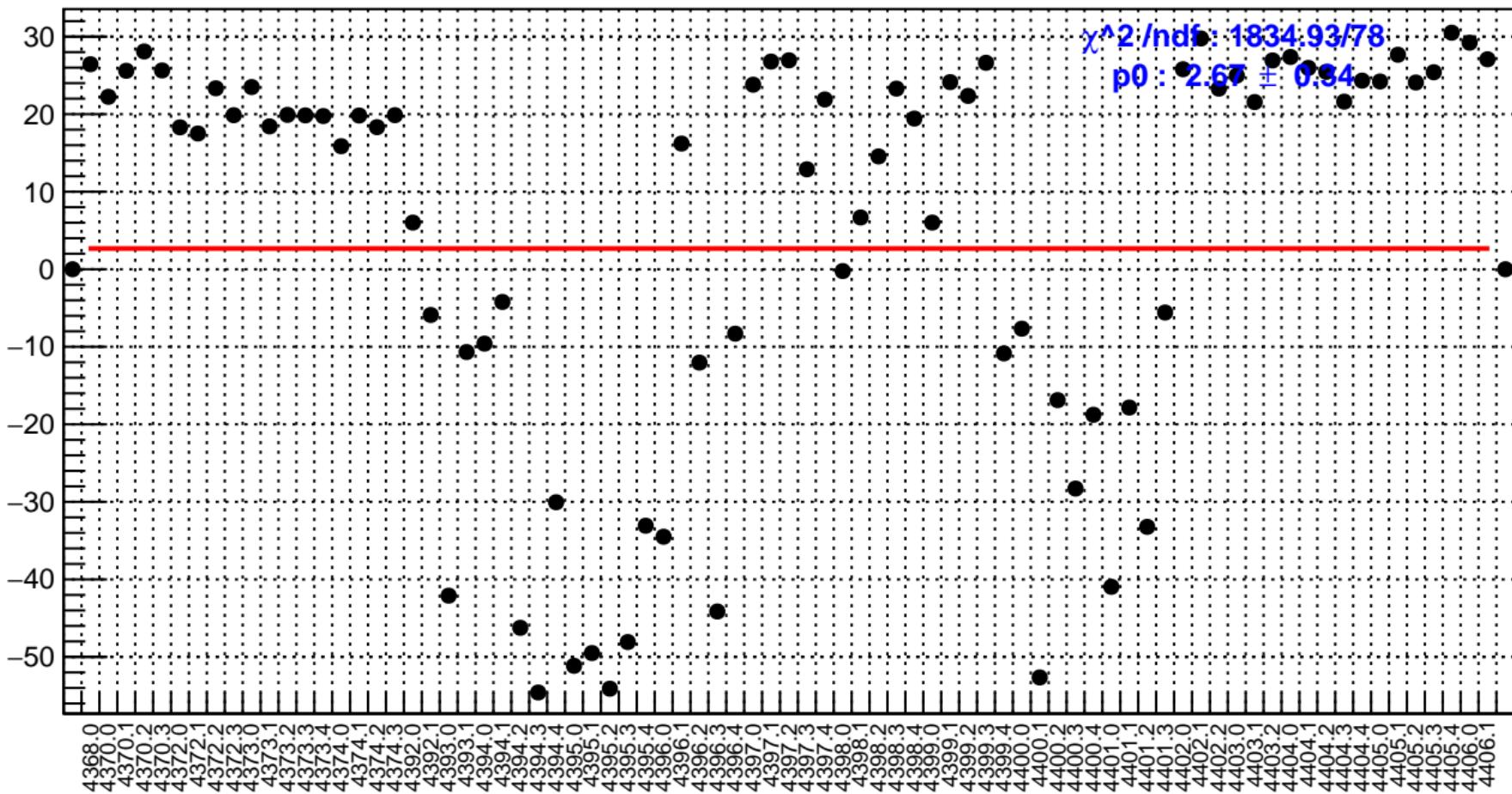
slug59: usl_bpm4aY/(ppb/nm)



slug59: usl_bpm4eX/(ppb/nm)



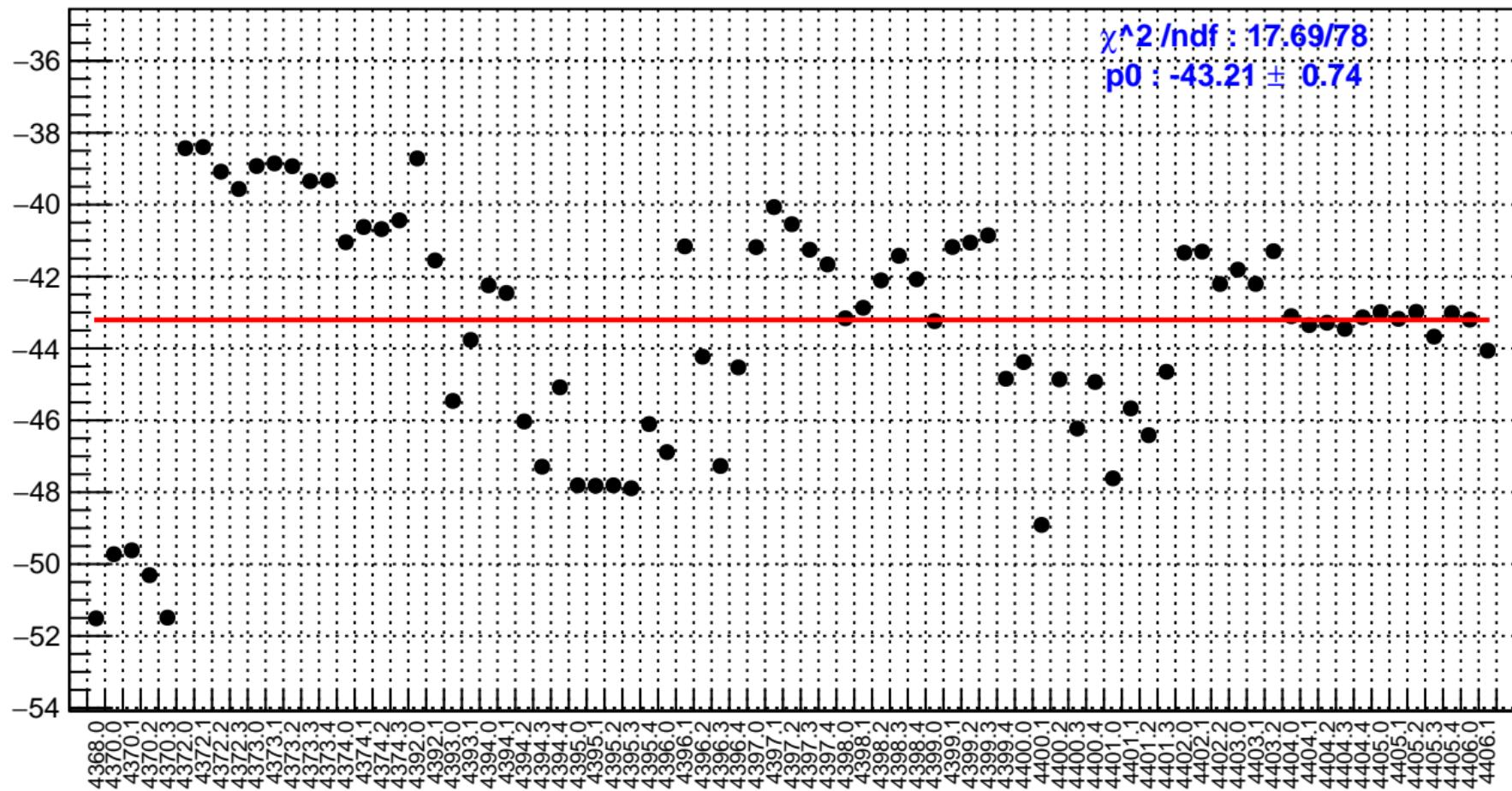
slug59: usl_bpm4eY/(ppb/nm)



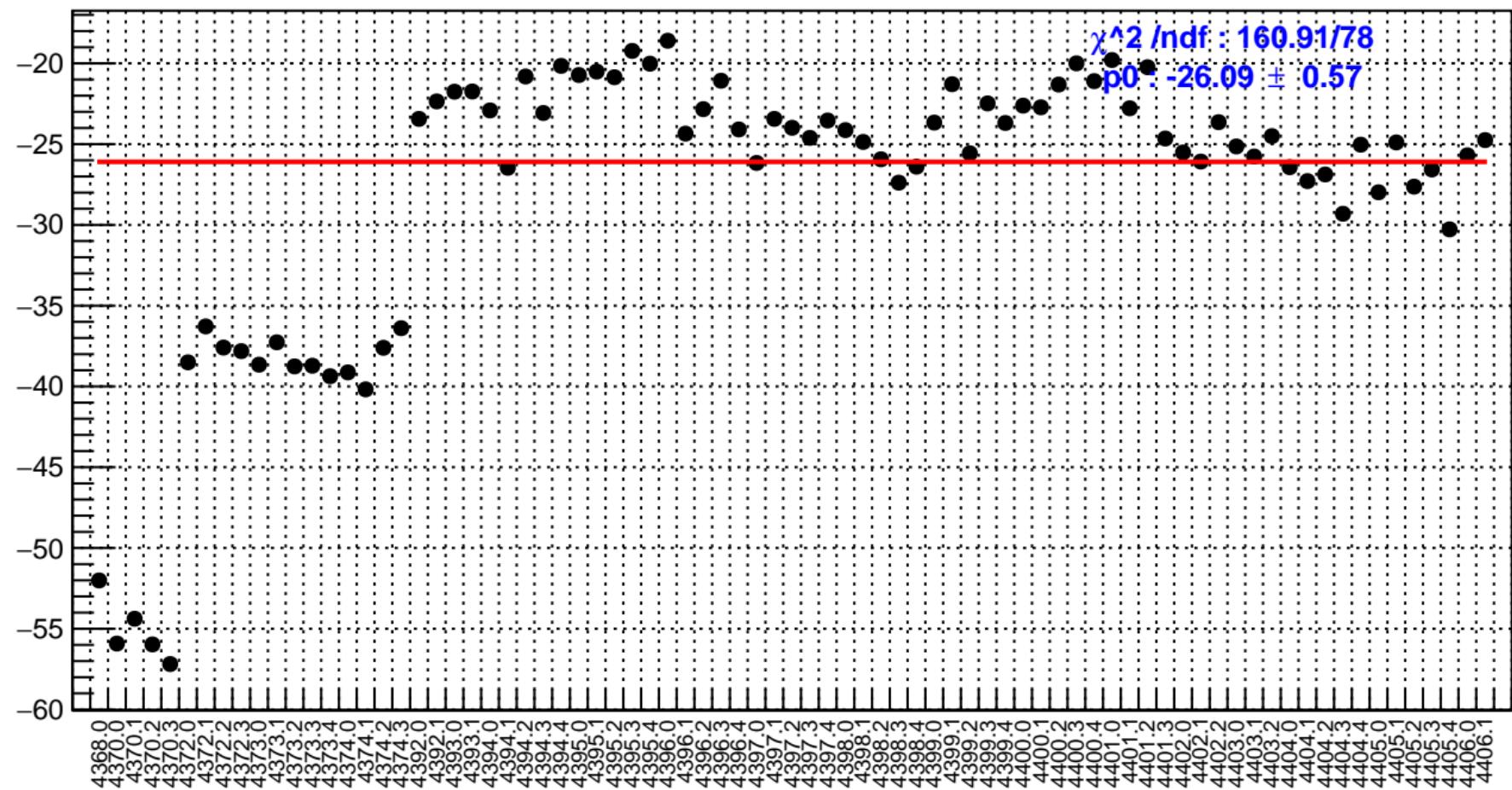
slug59: usl_bpm12X/(ppb/nm)

$\chi^2/\text{ndf} : 17.69/78$

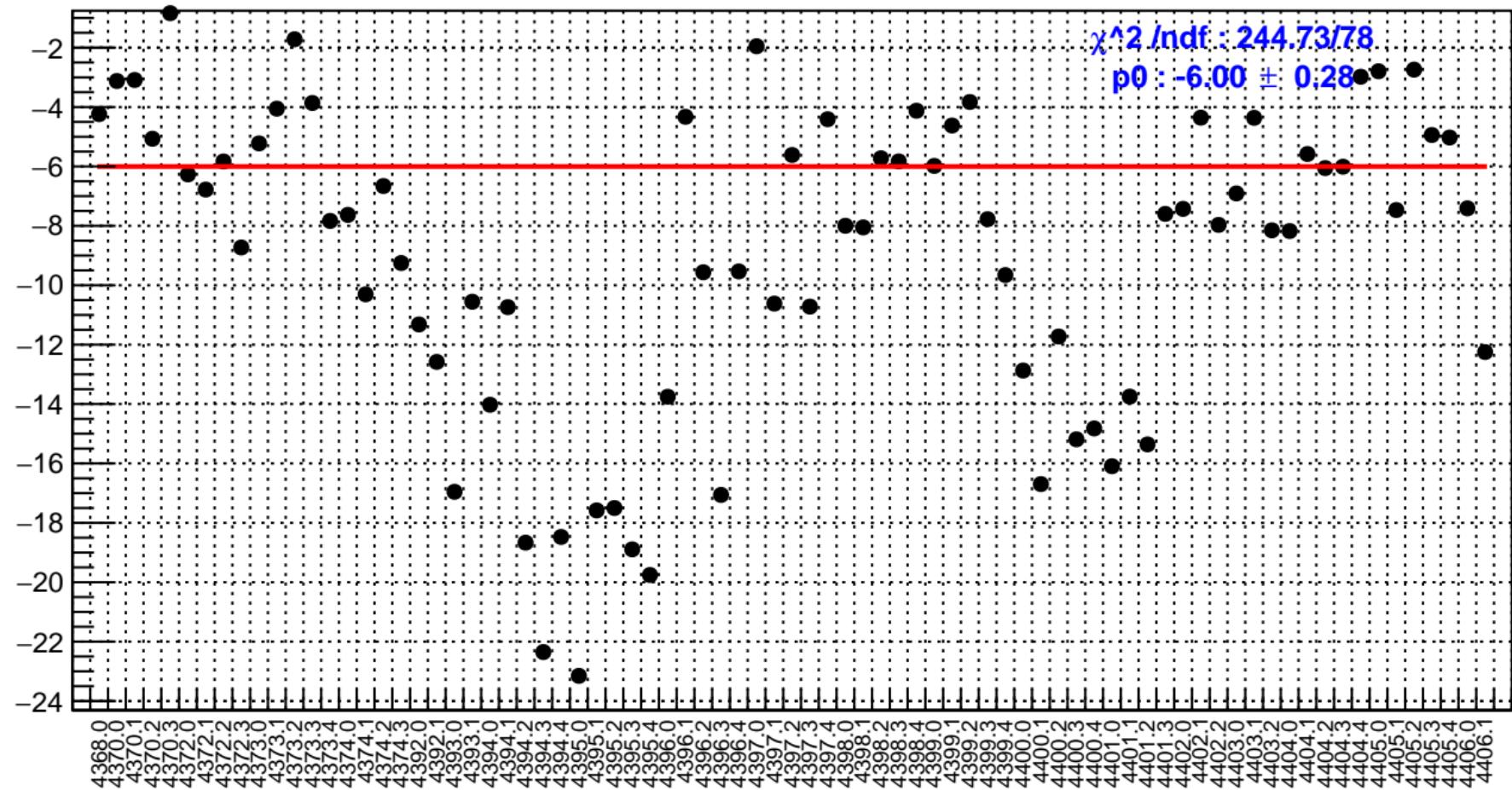
$p_0 : -43.21 \pm 0.74$



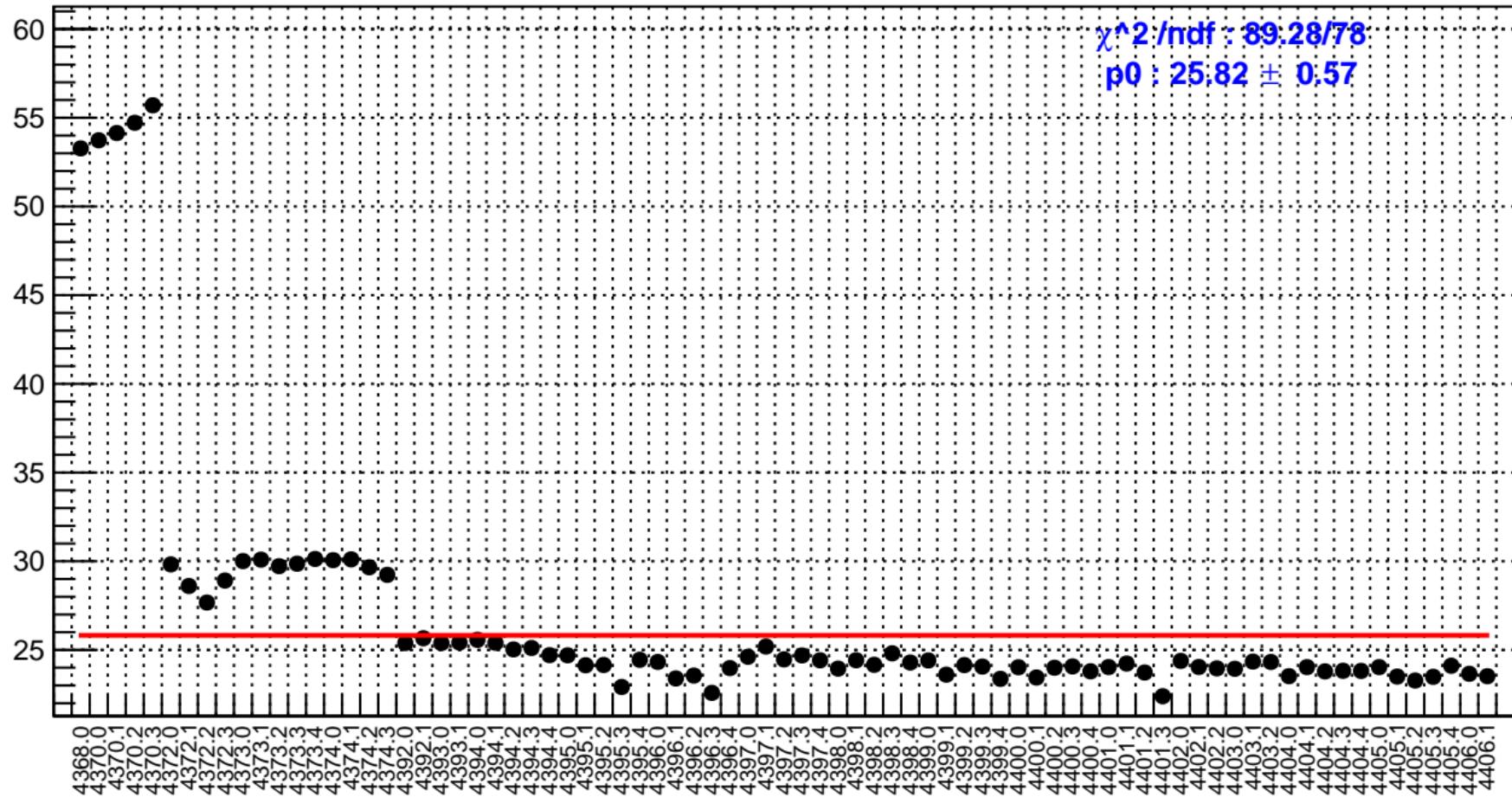
slug59: usr_bpm4aX/(ppb/nm)



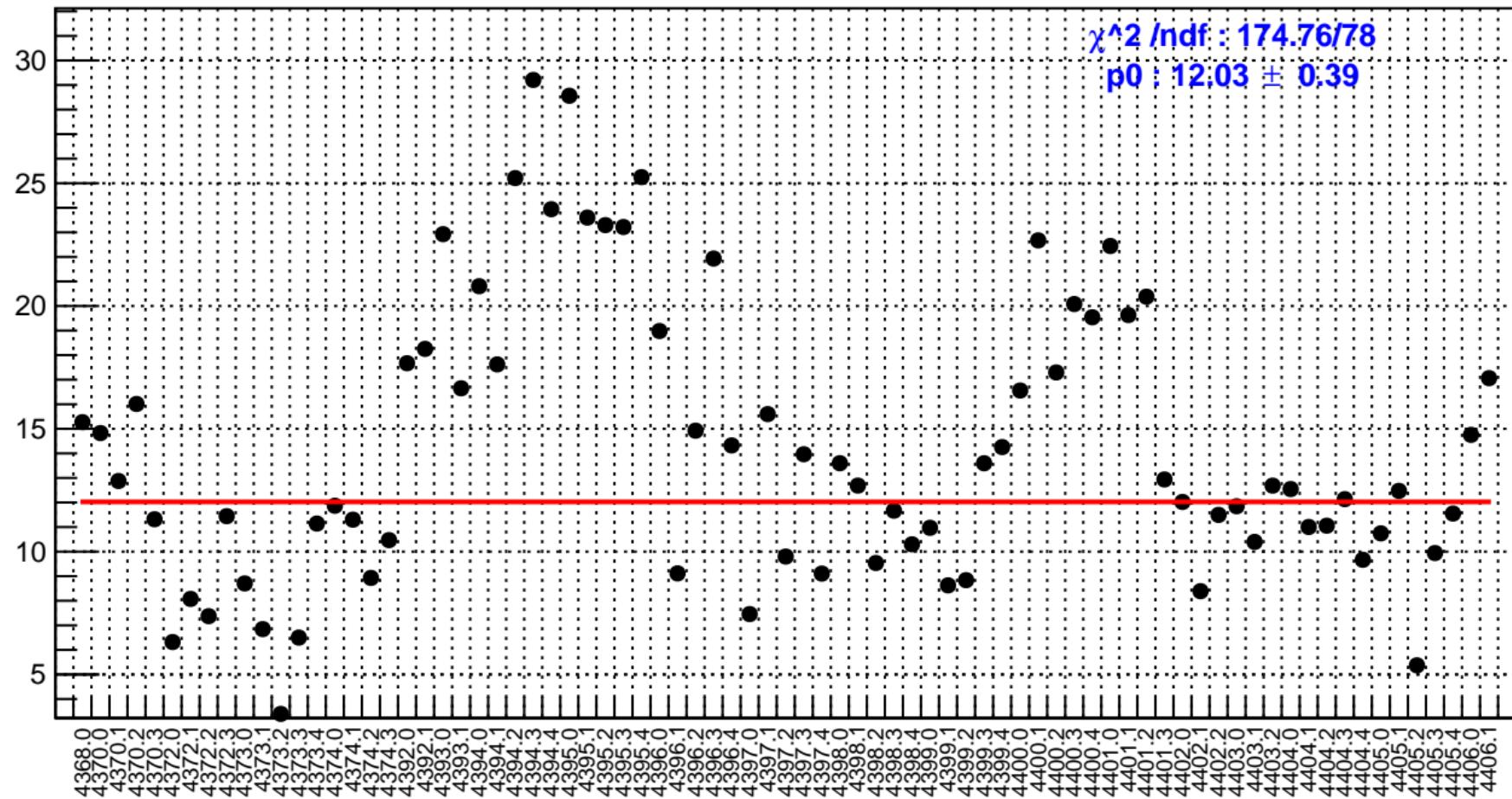
slug59: usr_bpm4aY/(ppb/nm)



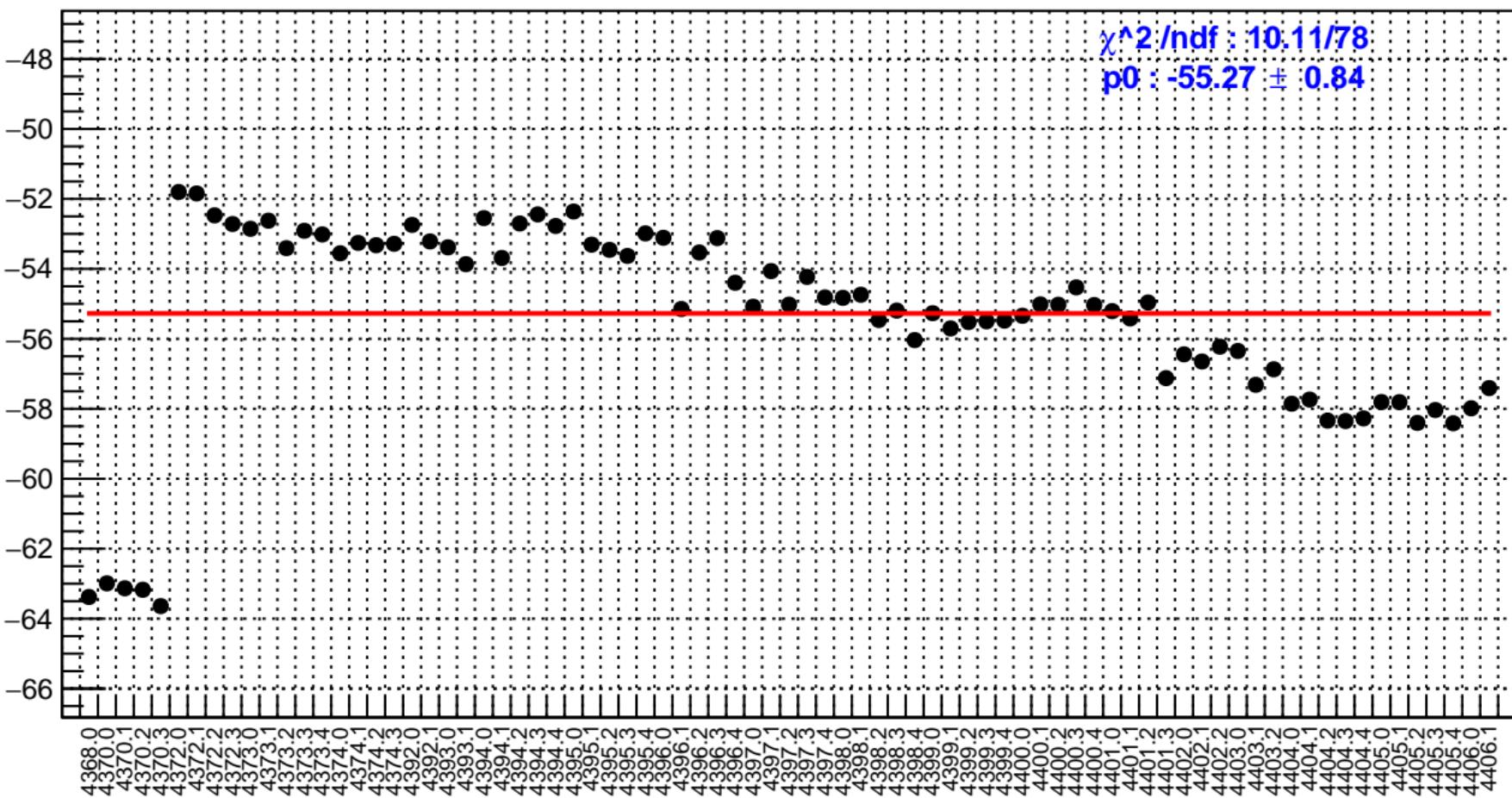
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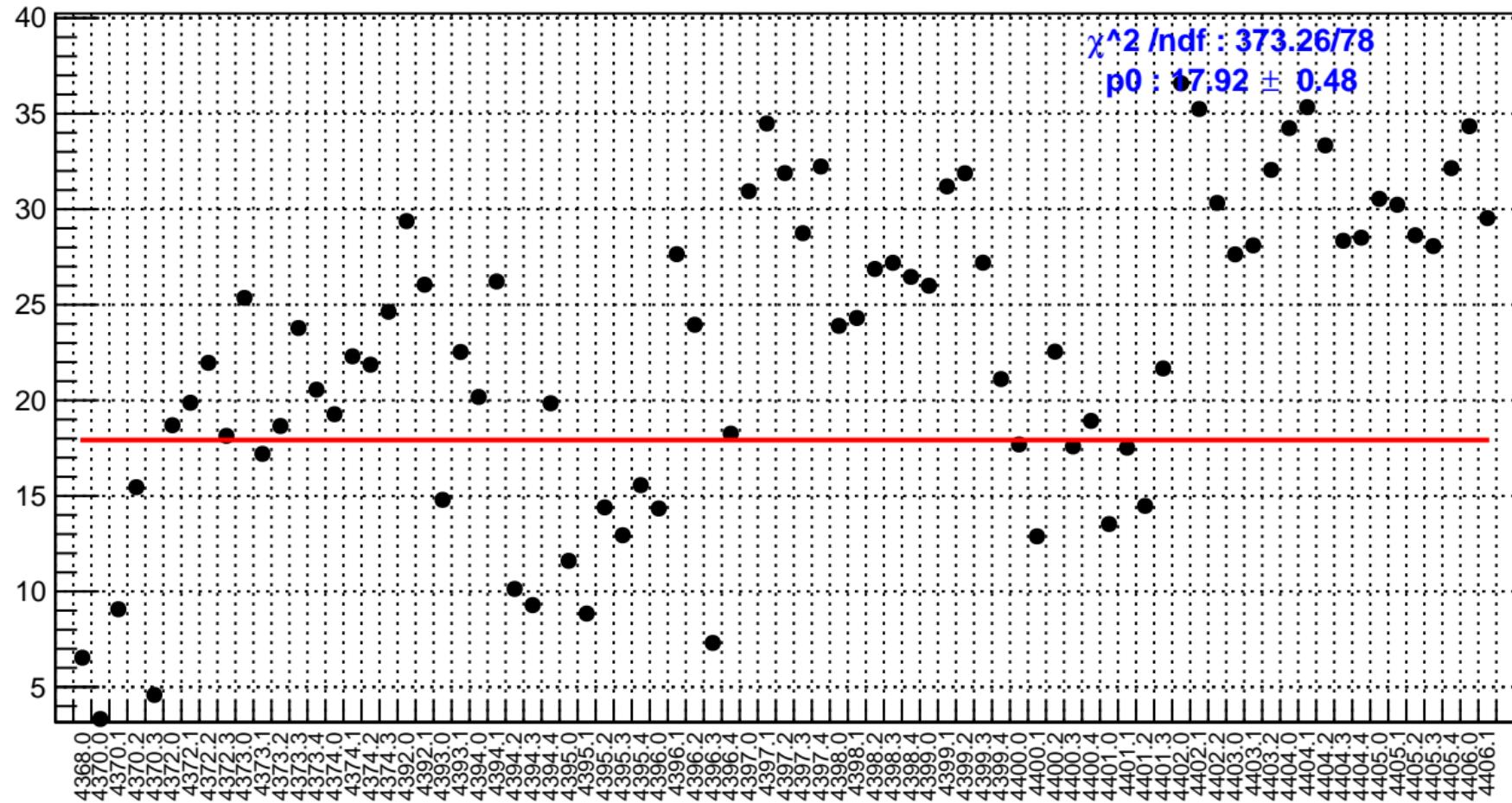
slug59: usr_bpm4eY/(ppb/nm)



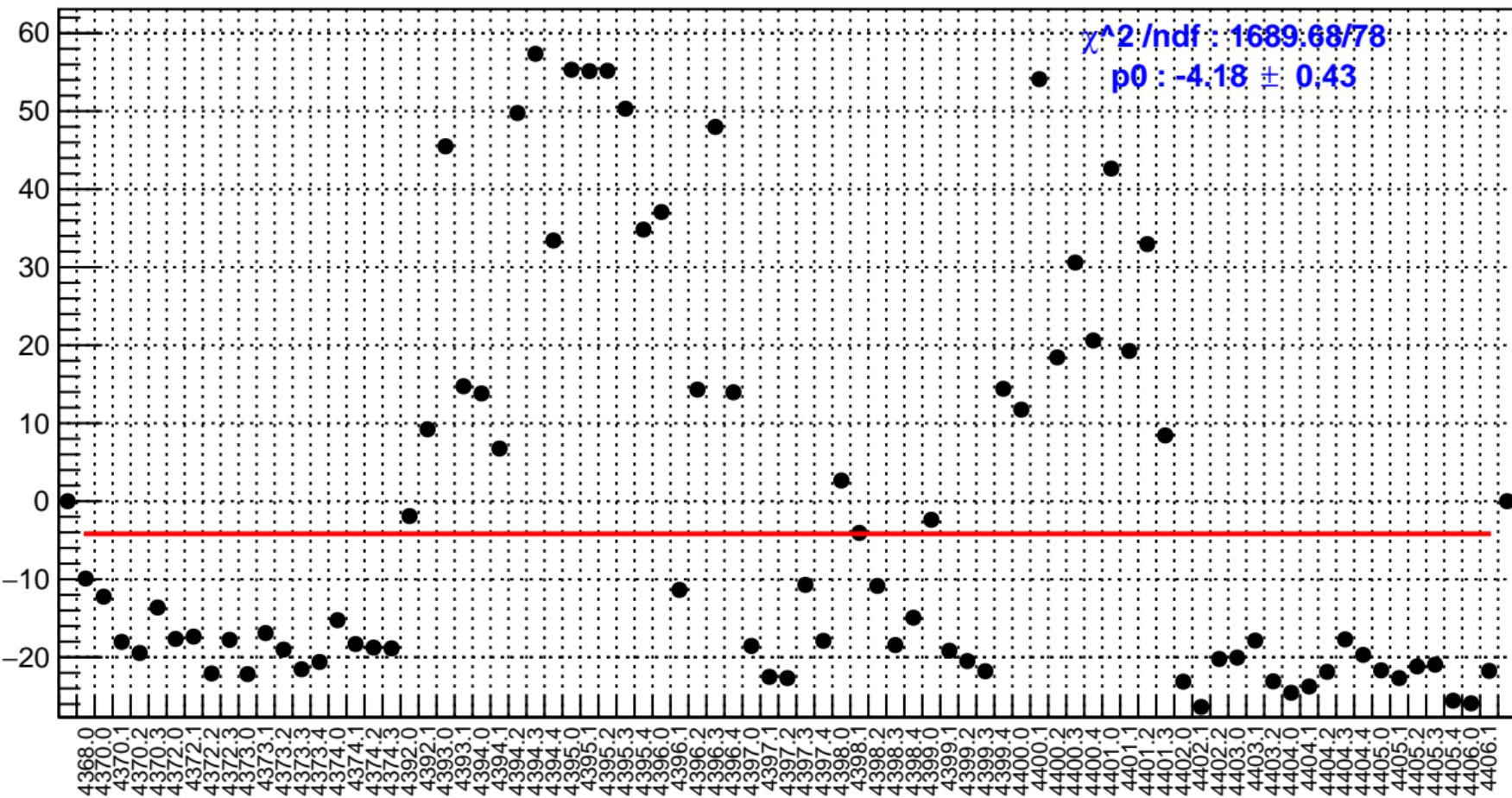
slug59: usr_bpm12X/(ppb/nm)



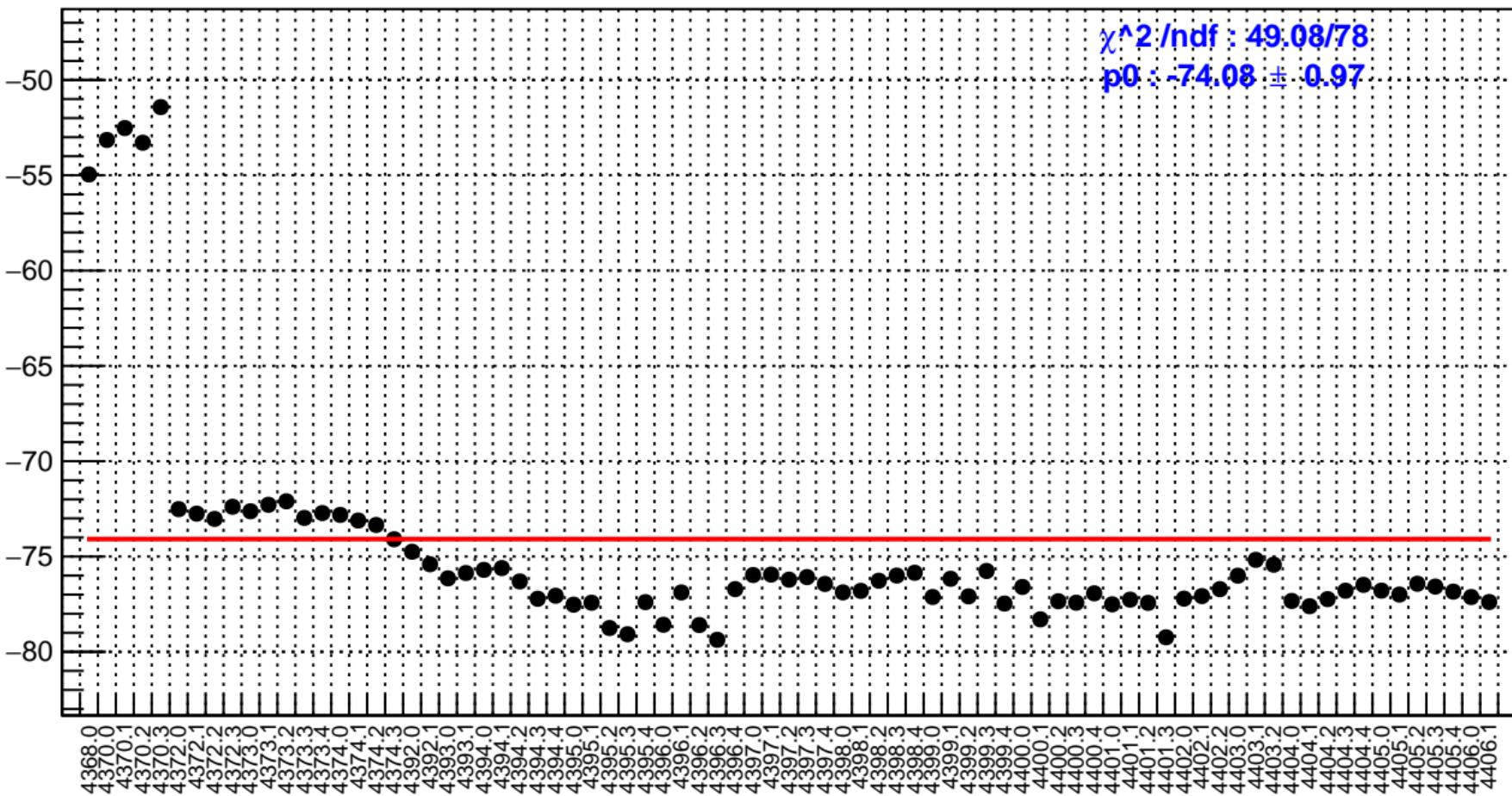
slug59: dsl_bpm4aX/(ppb/nm)



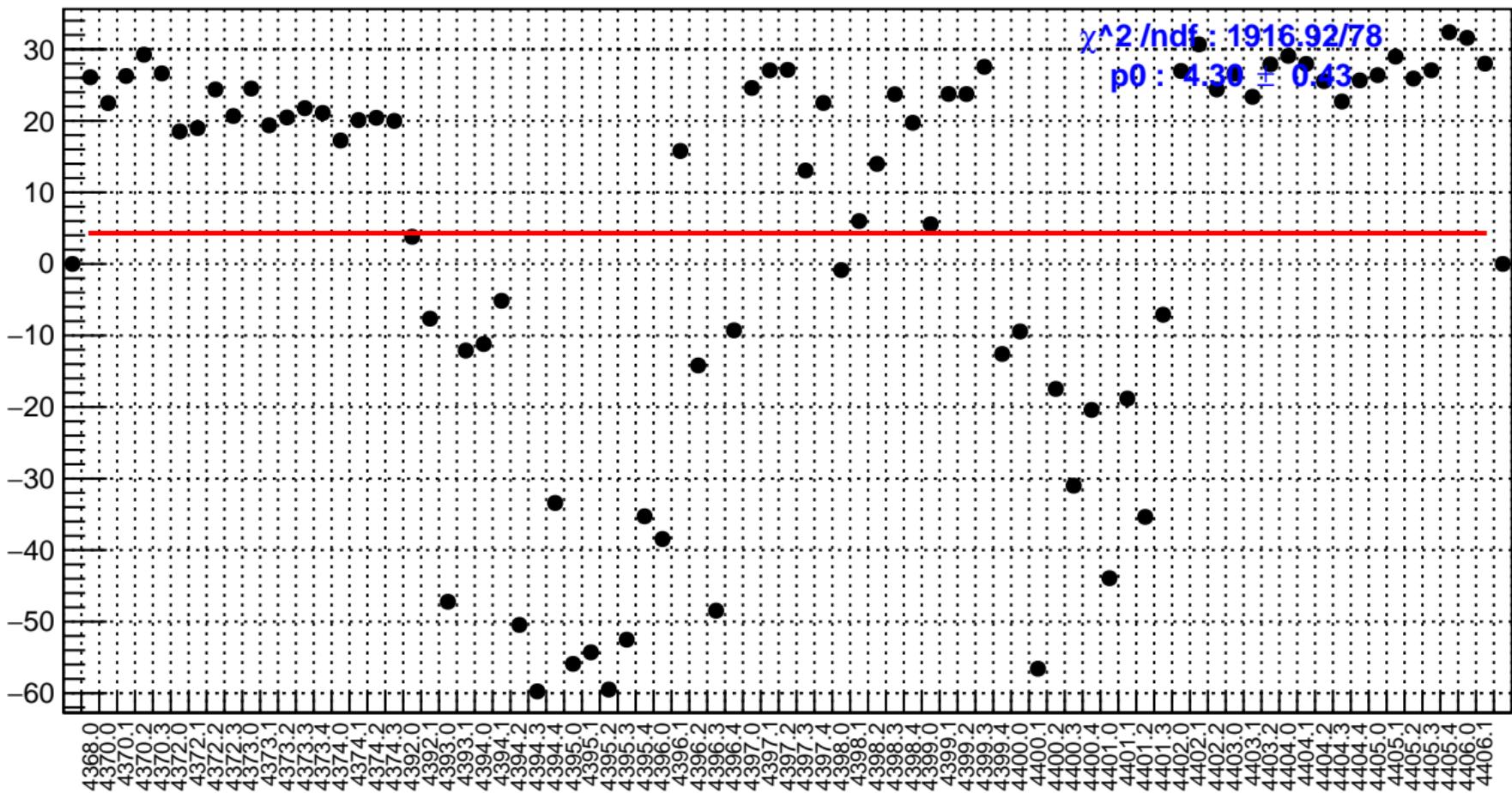
slug59: dsl_bpm4aY/(ppb/nm)



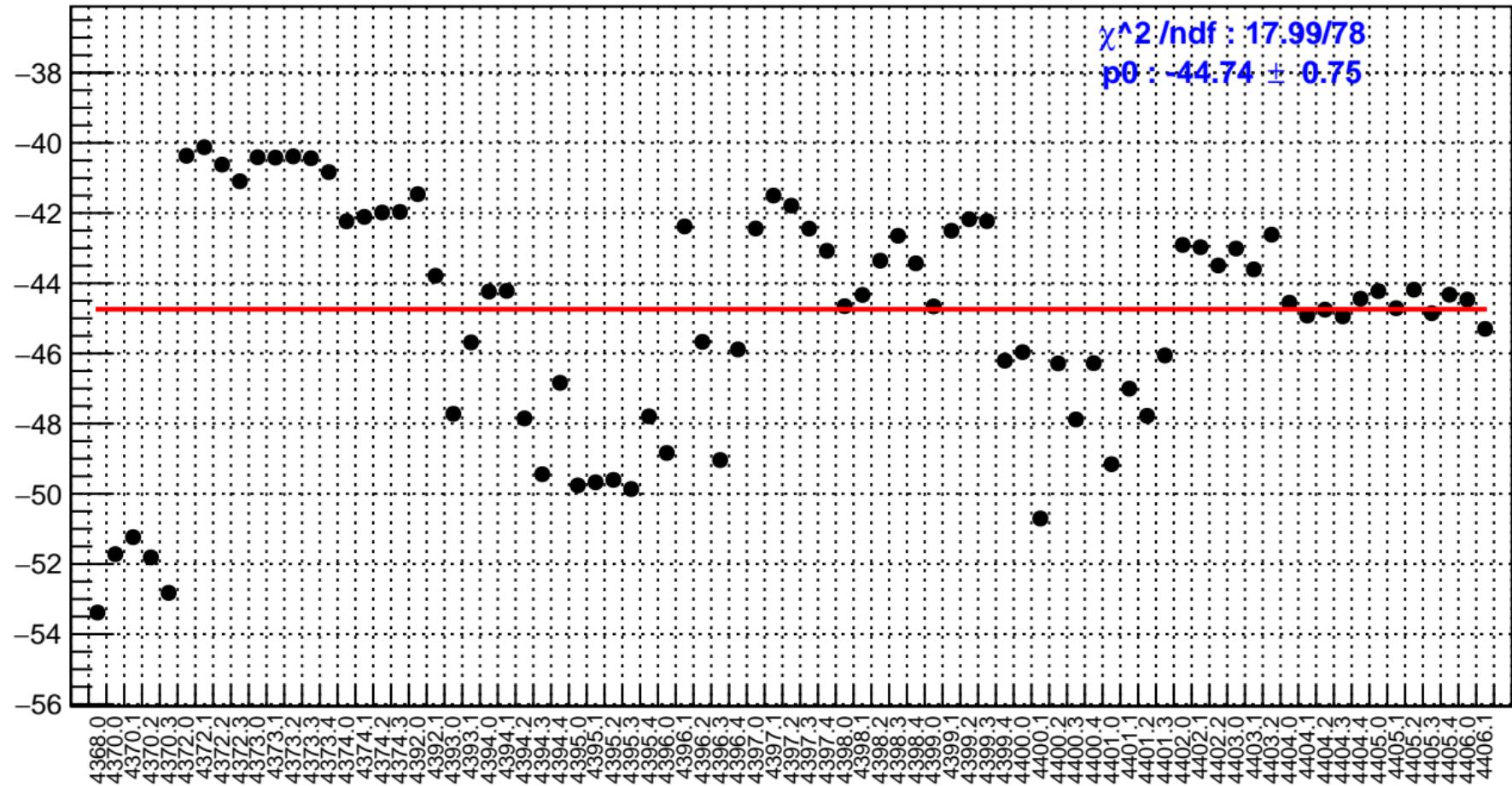
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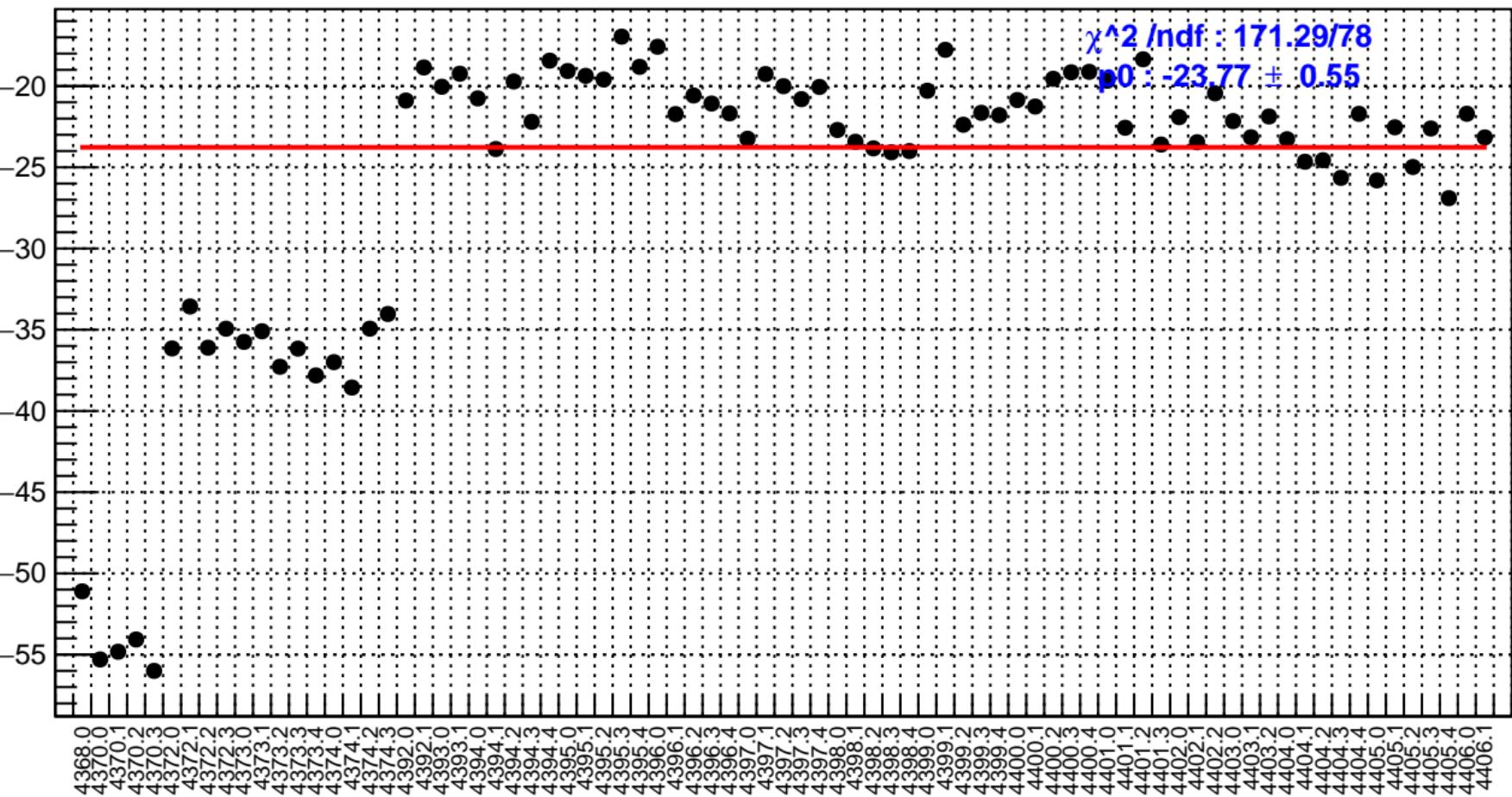
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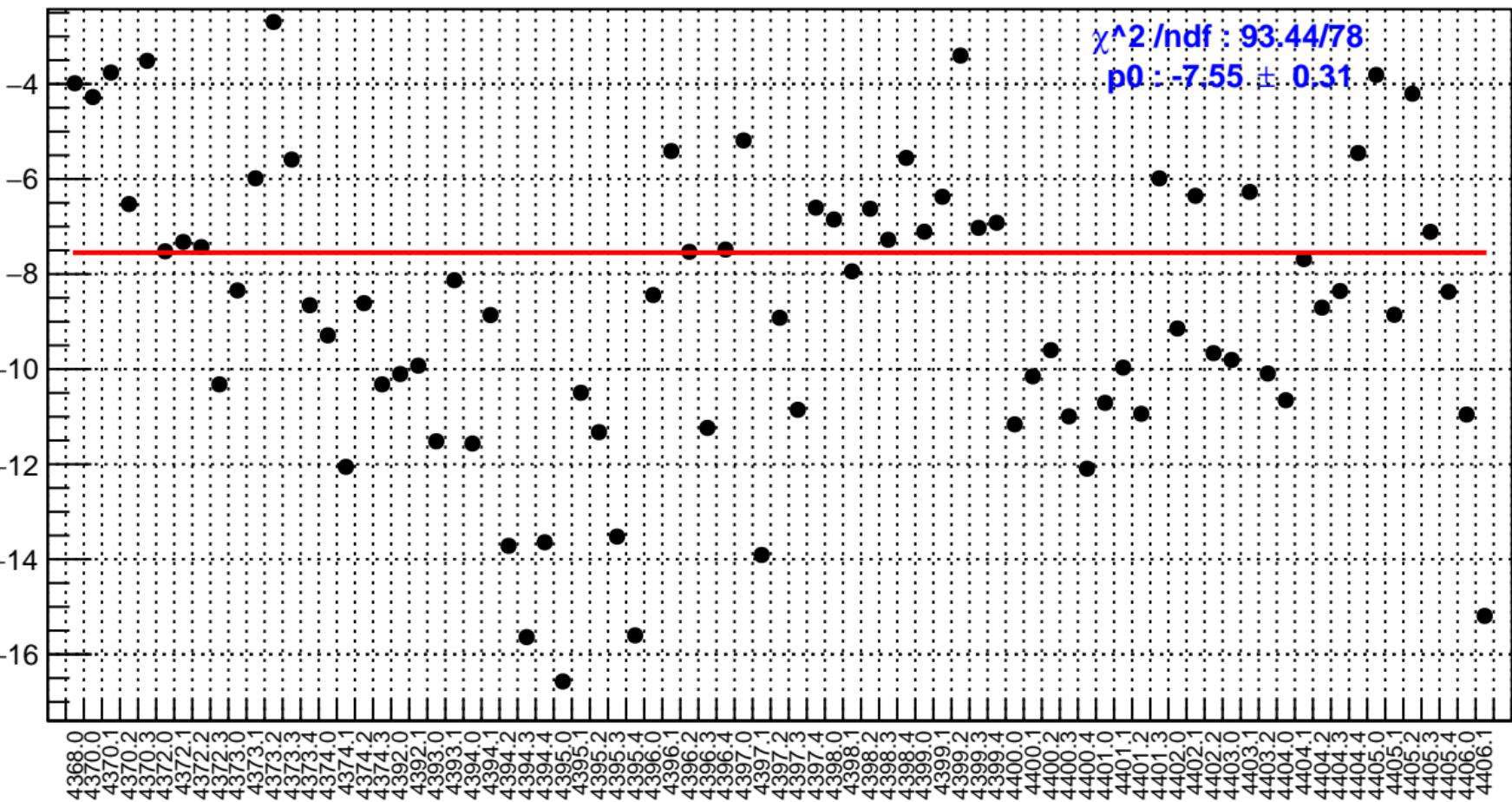
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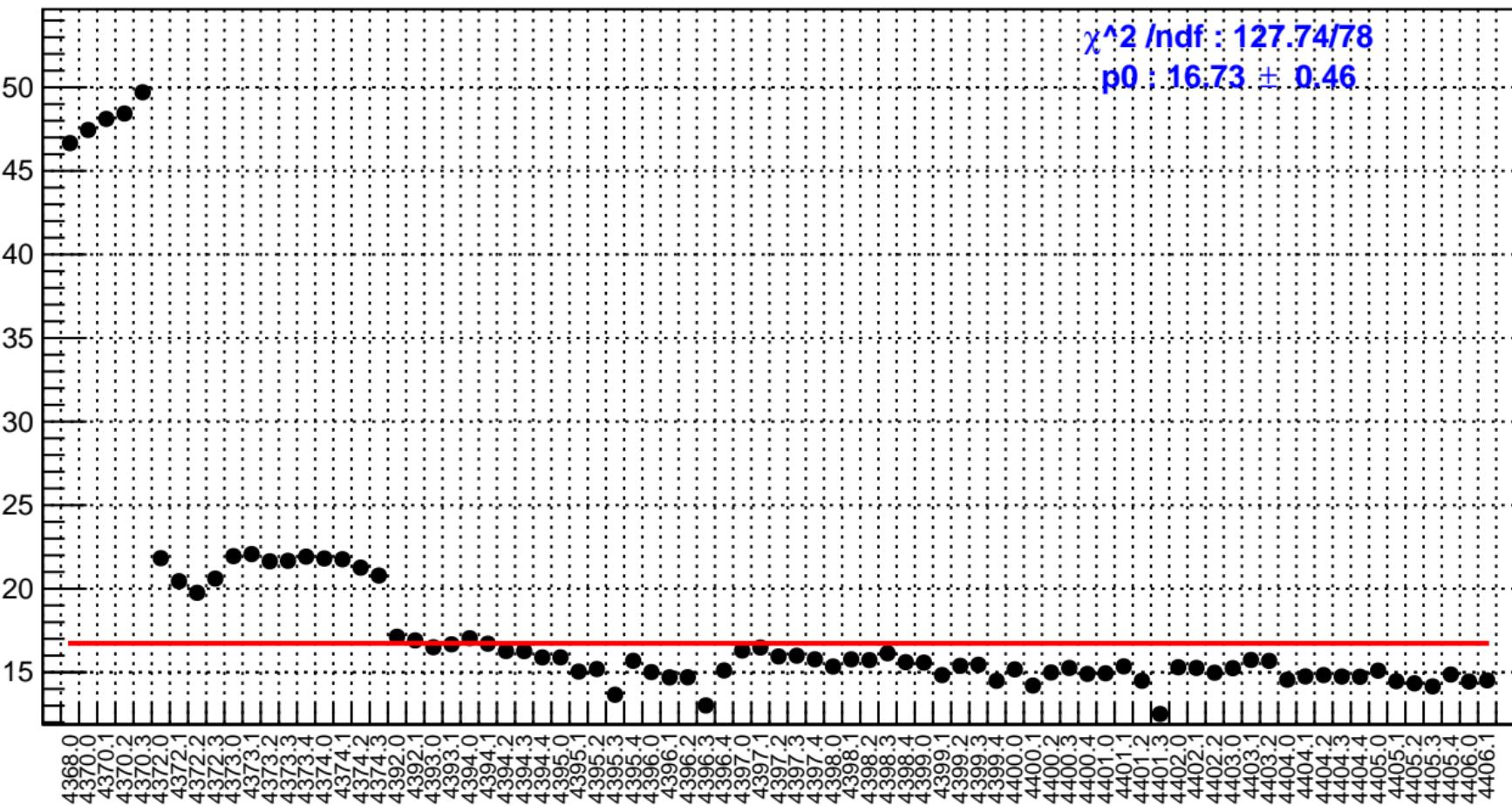
slug59: dsr_bpm4aX/(ppb/nm)



slug59: dsr_bpm4aY/(ppb/nm)



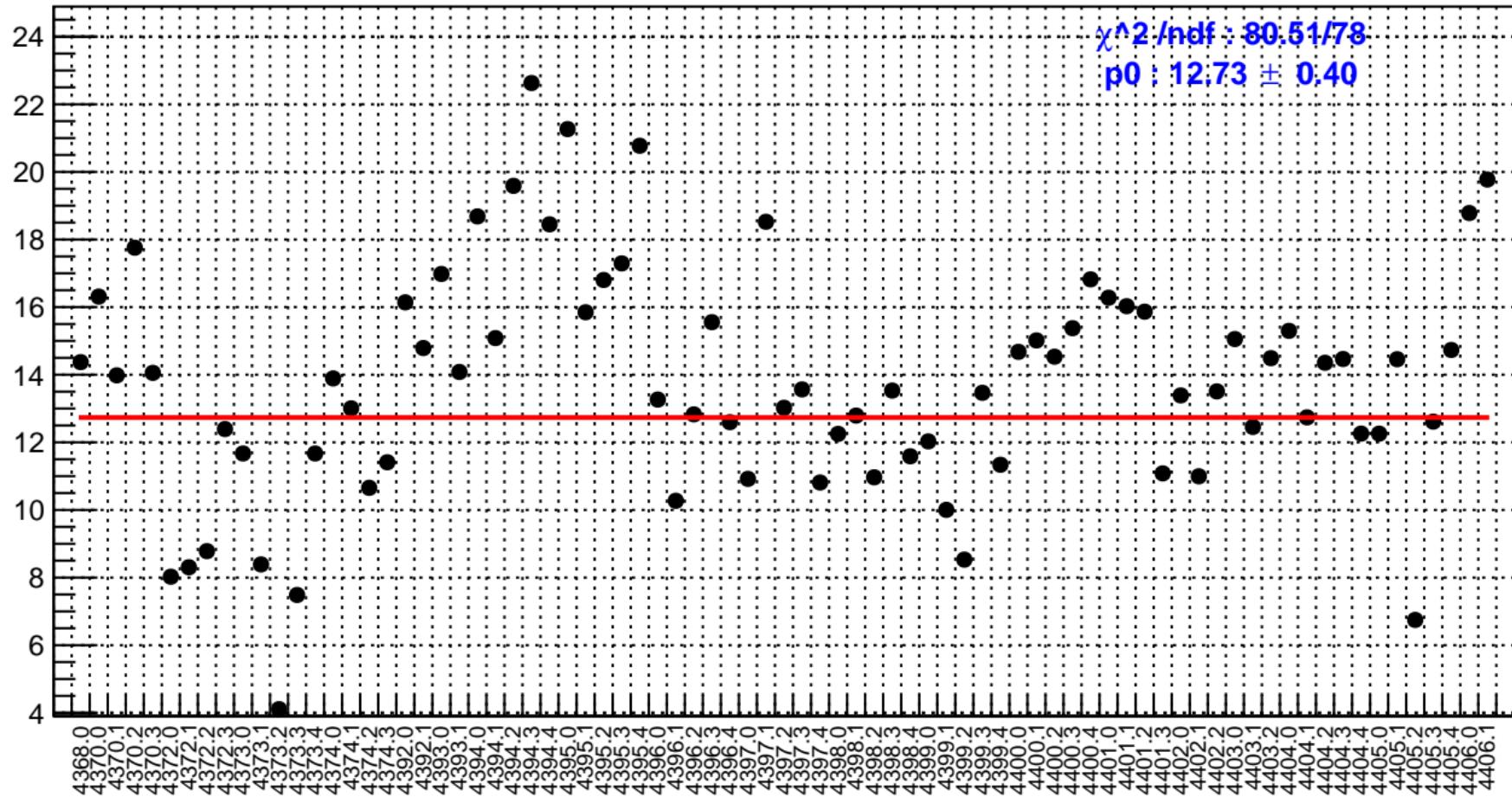
slug59: dsr_bpm4eX/(ppb/nm)



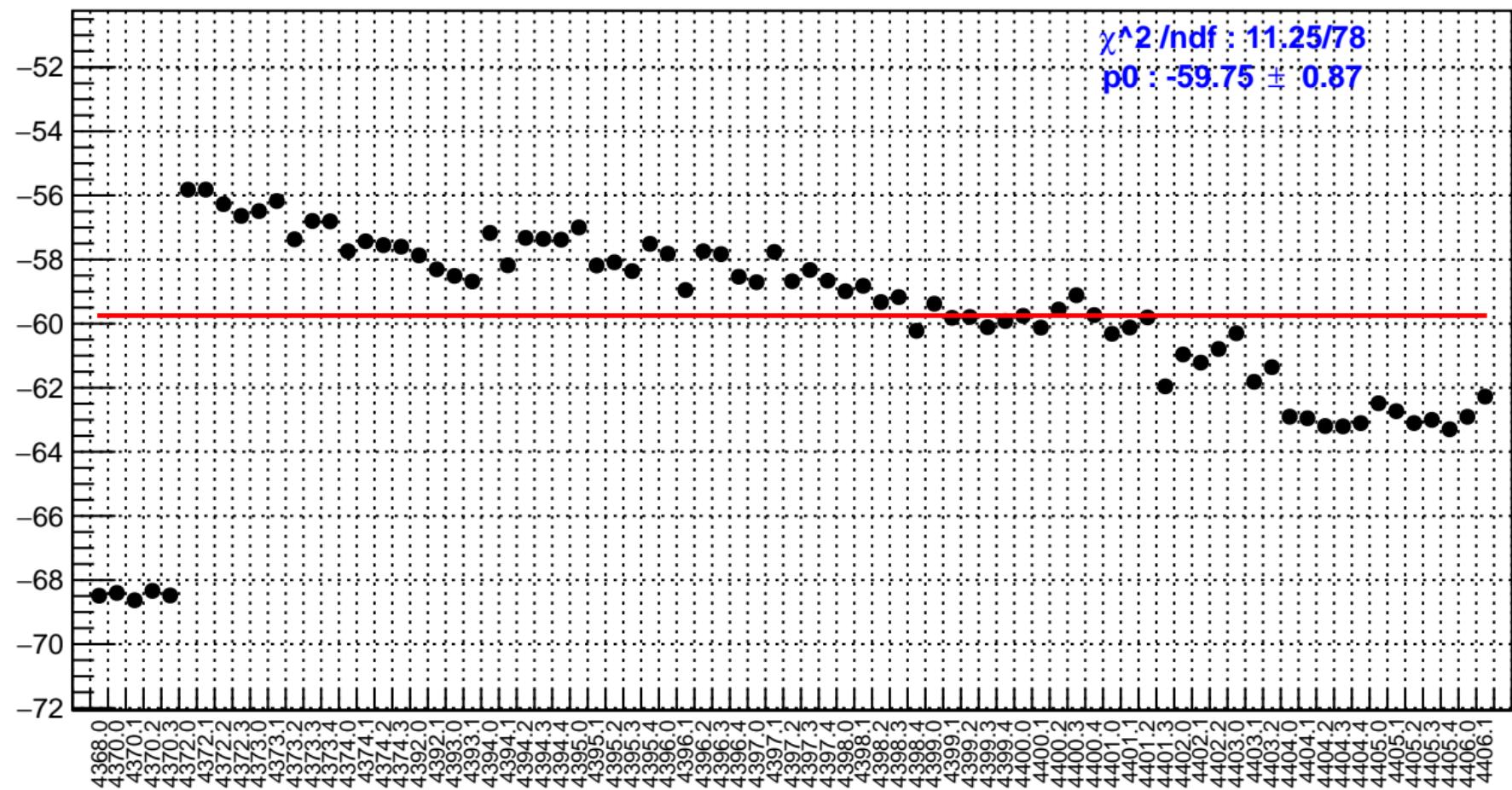
slug59: dsr_bpm4eY/(ppb/nm)

$\chi^2/\text{ndf} : 80.51/78$

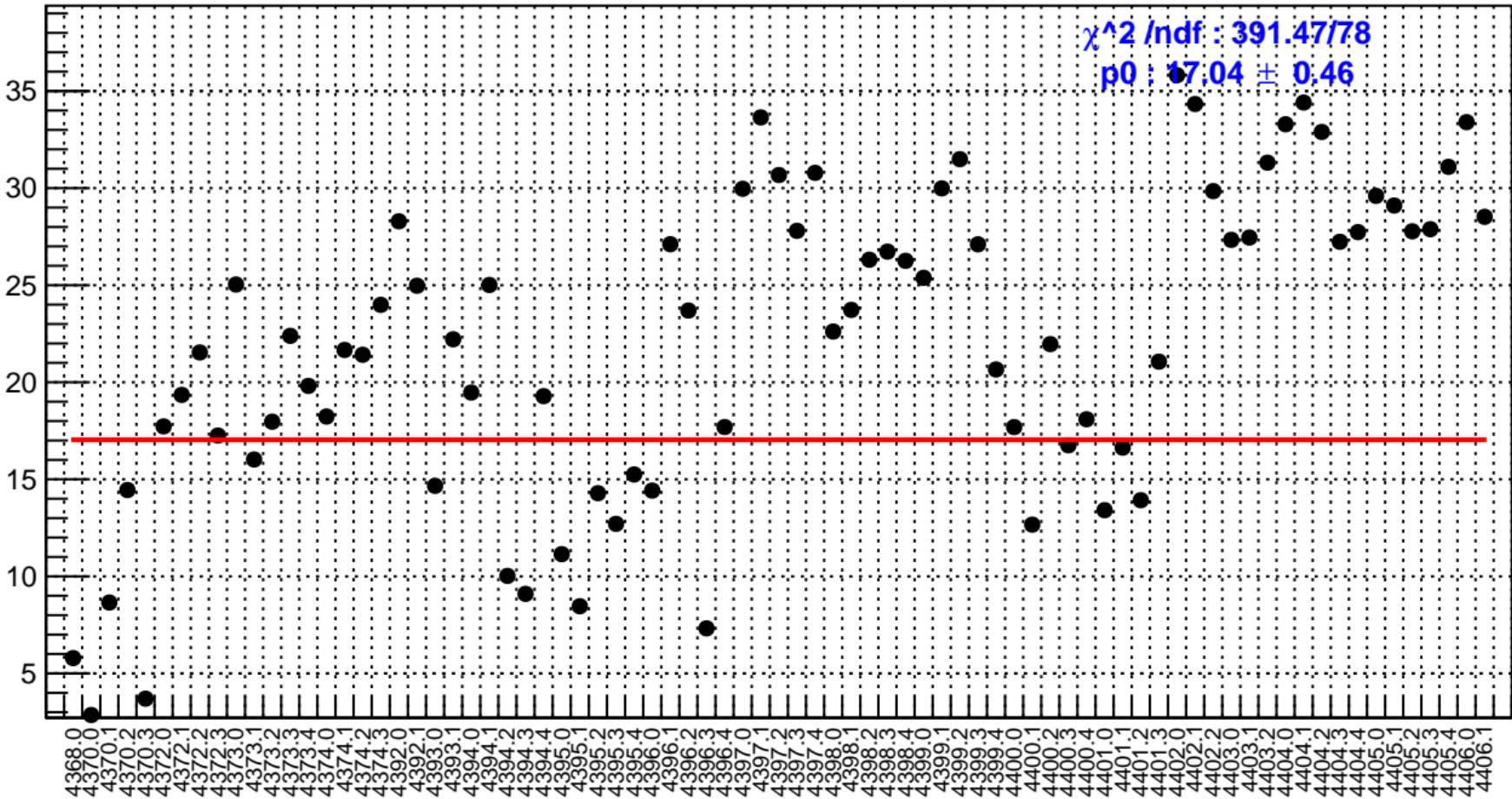
$p_0 : 12.73 \pm 0.40$



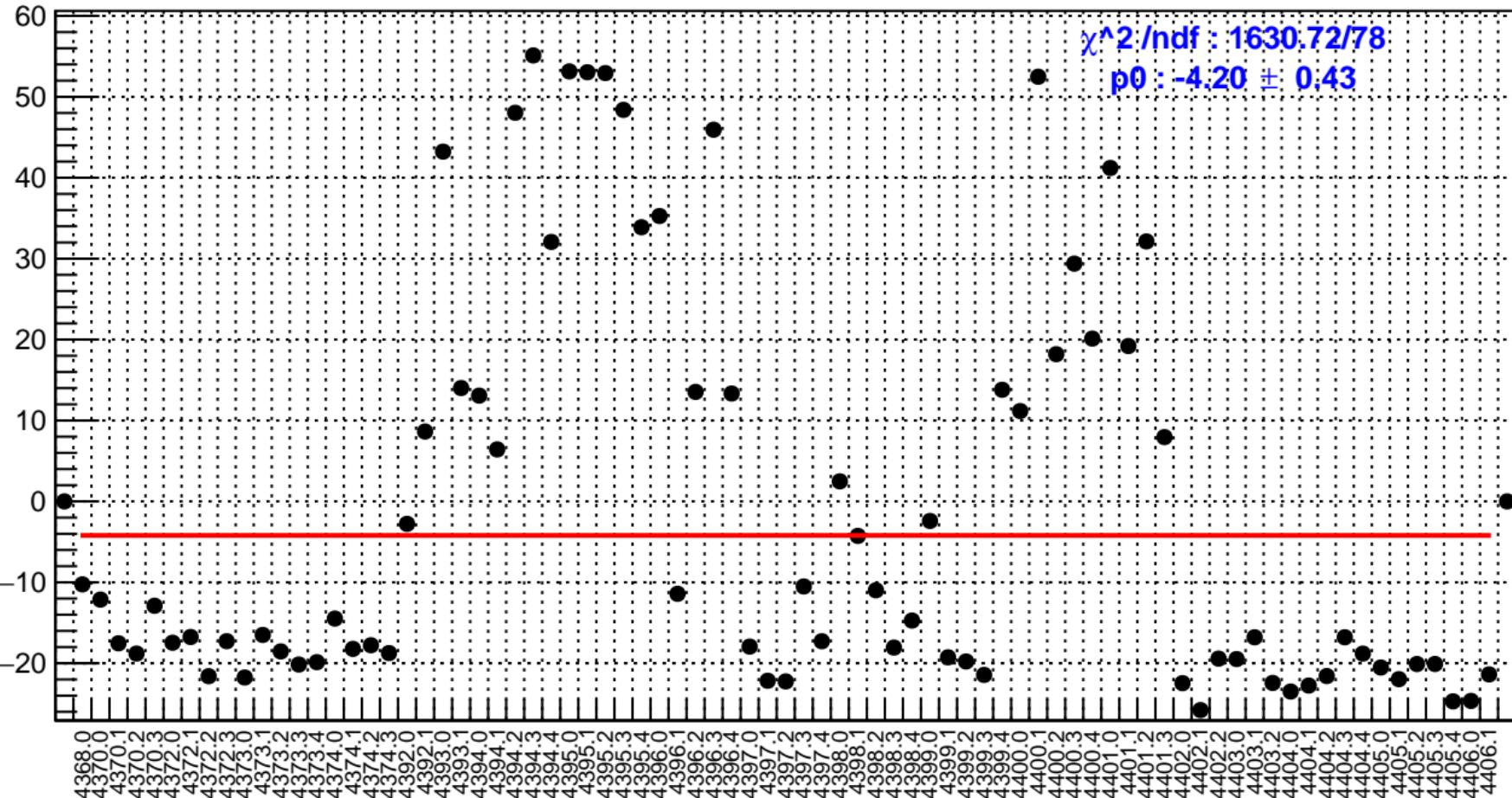
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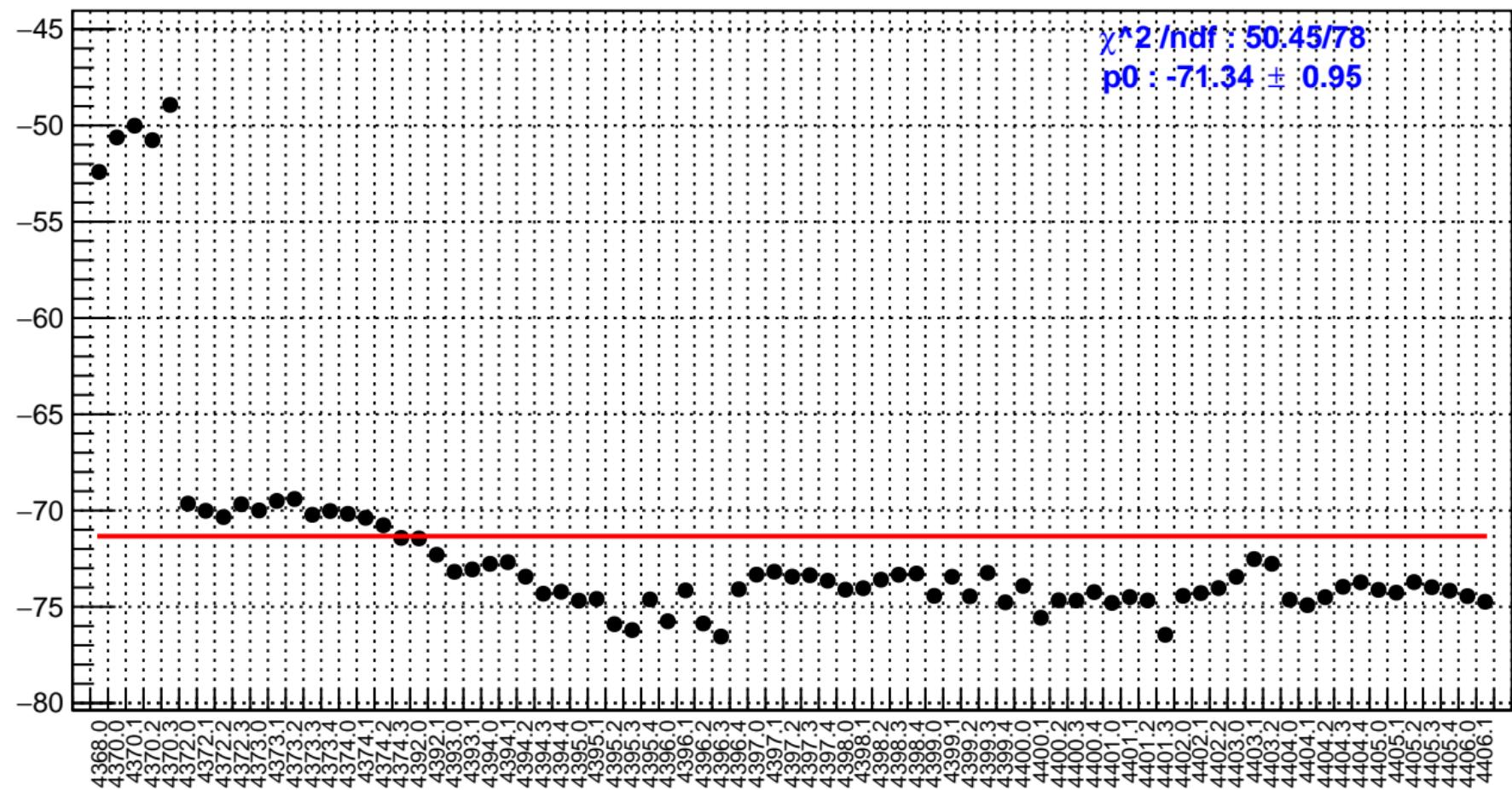
slug59: left_avg_bpm4aX/(ppb/nm)



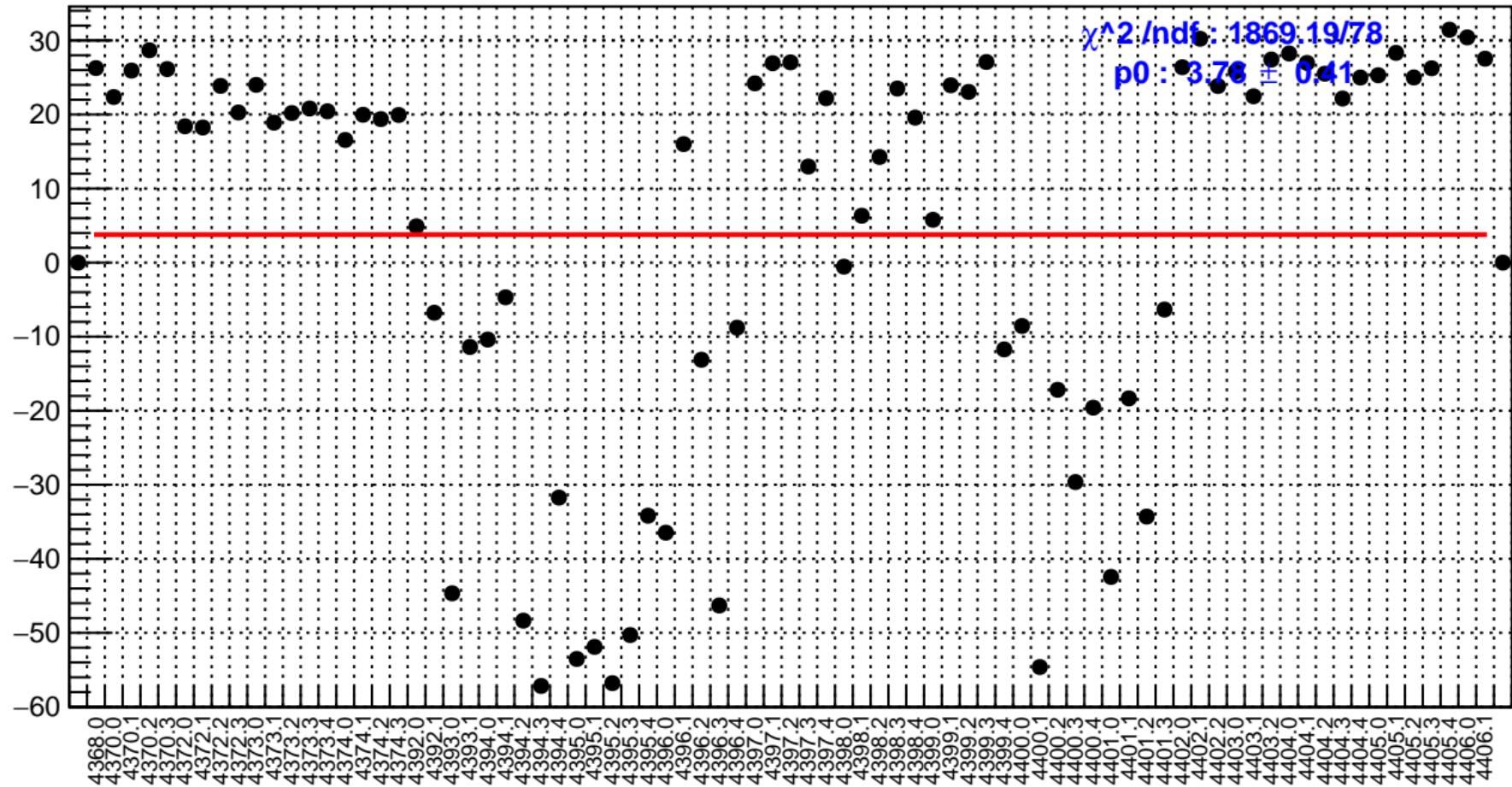
slug59: left_avg_bpm4aY/(ppb/nm)



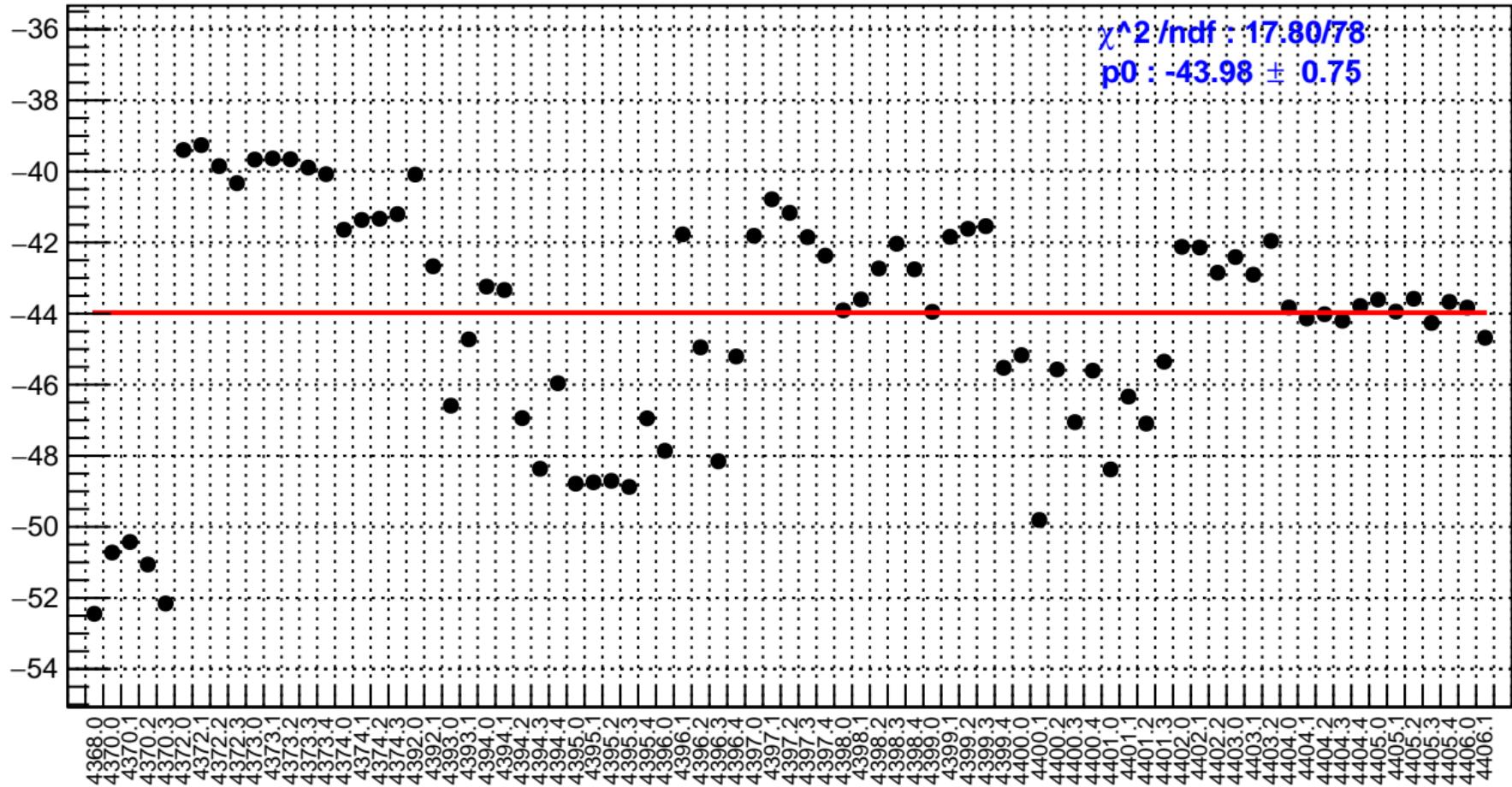
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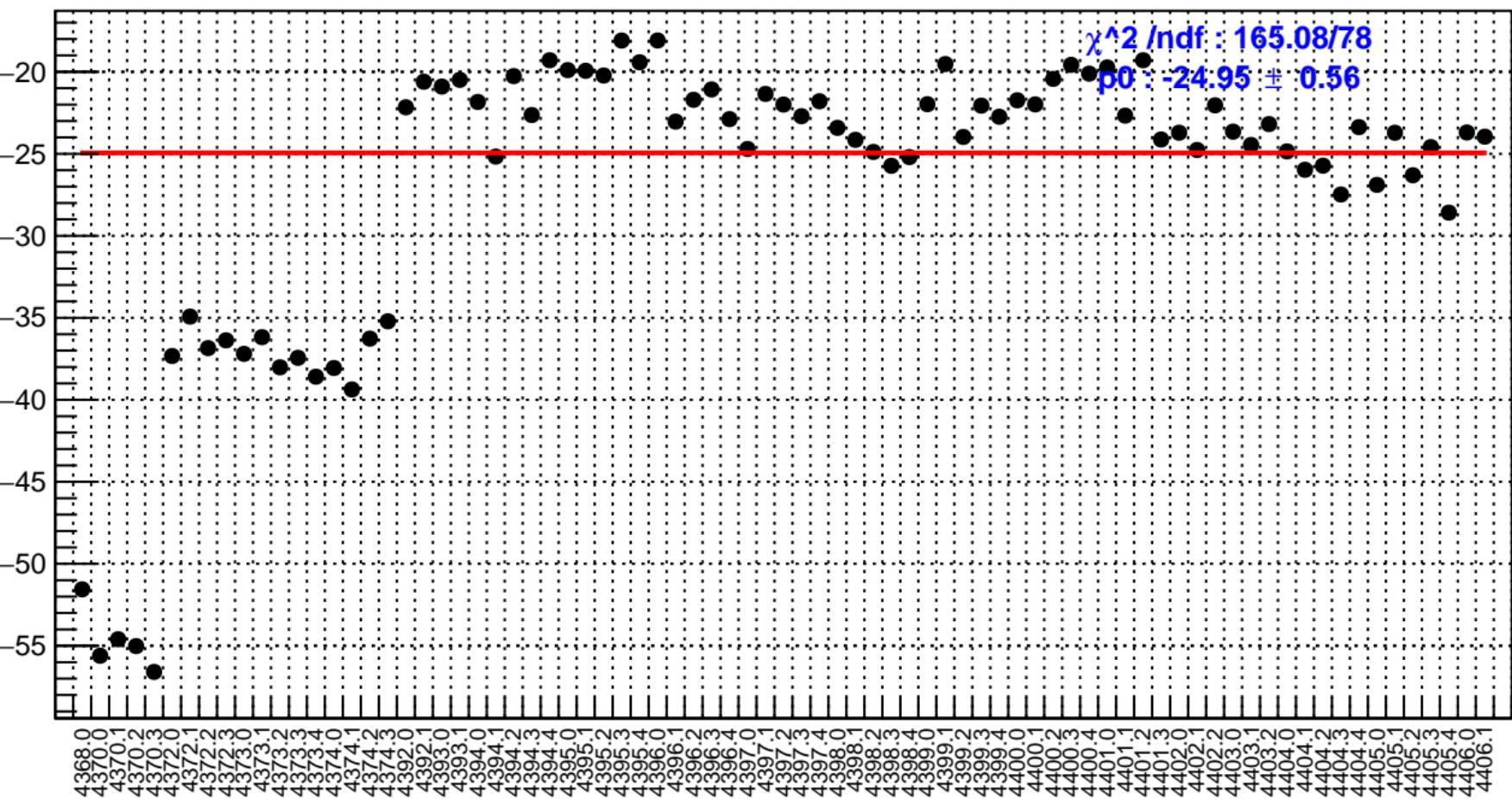
slug59: left_avg_bpm4eY/(ppb/nm)



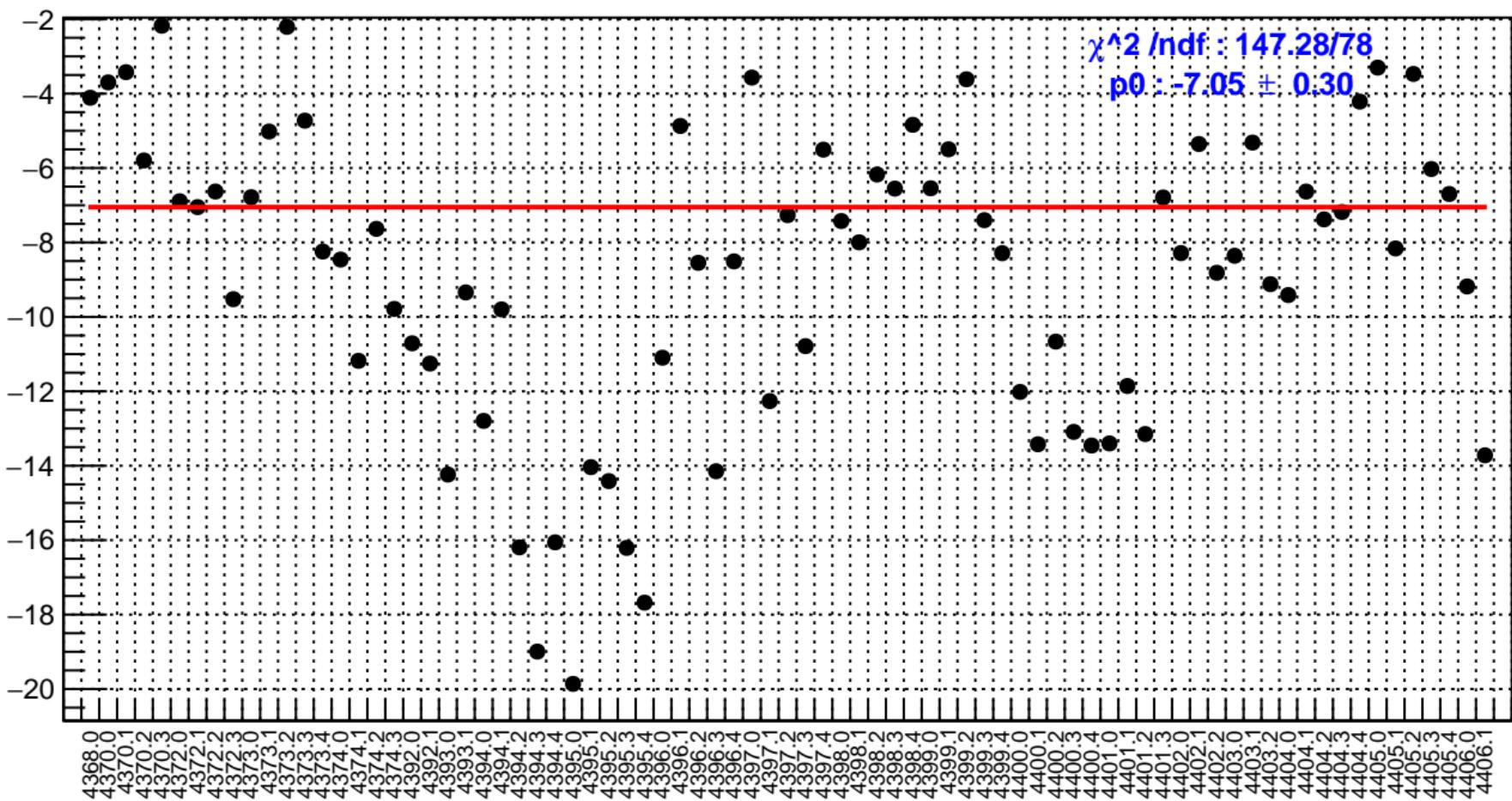
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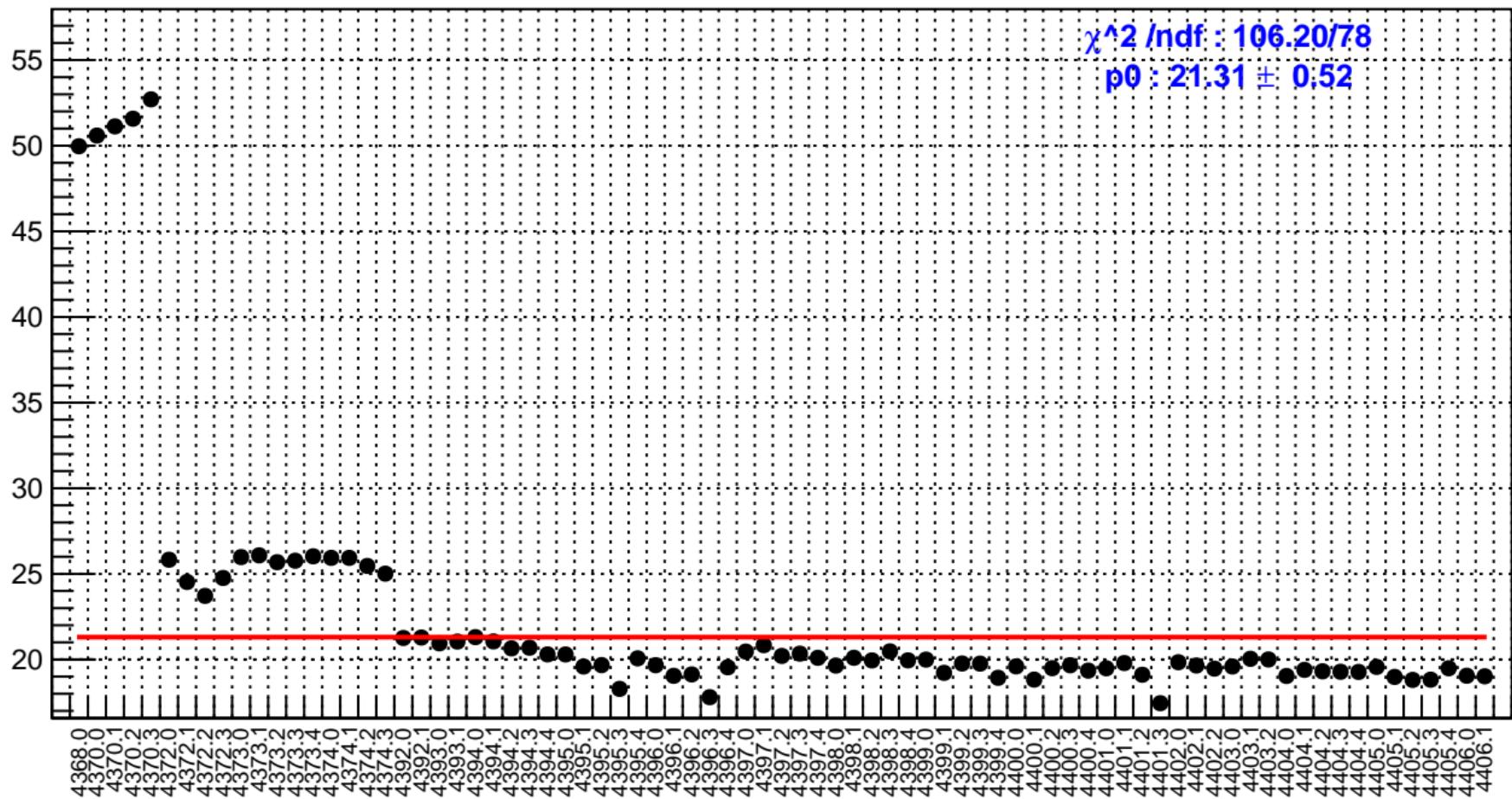
slug59: right_avg_bpm4aX/(ppb/nm)



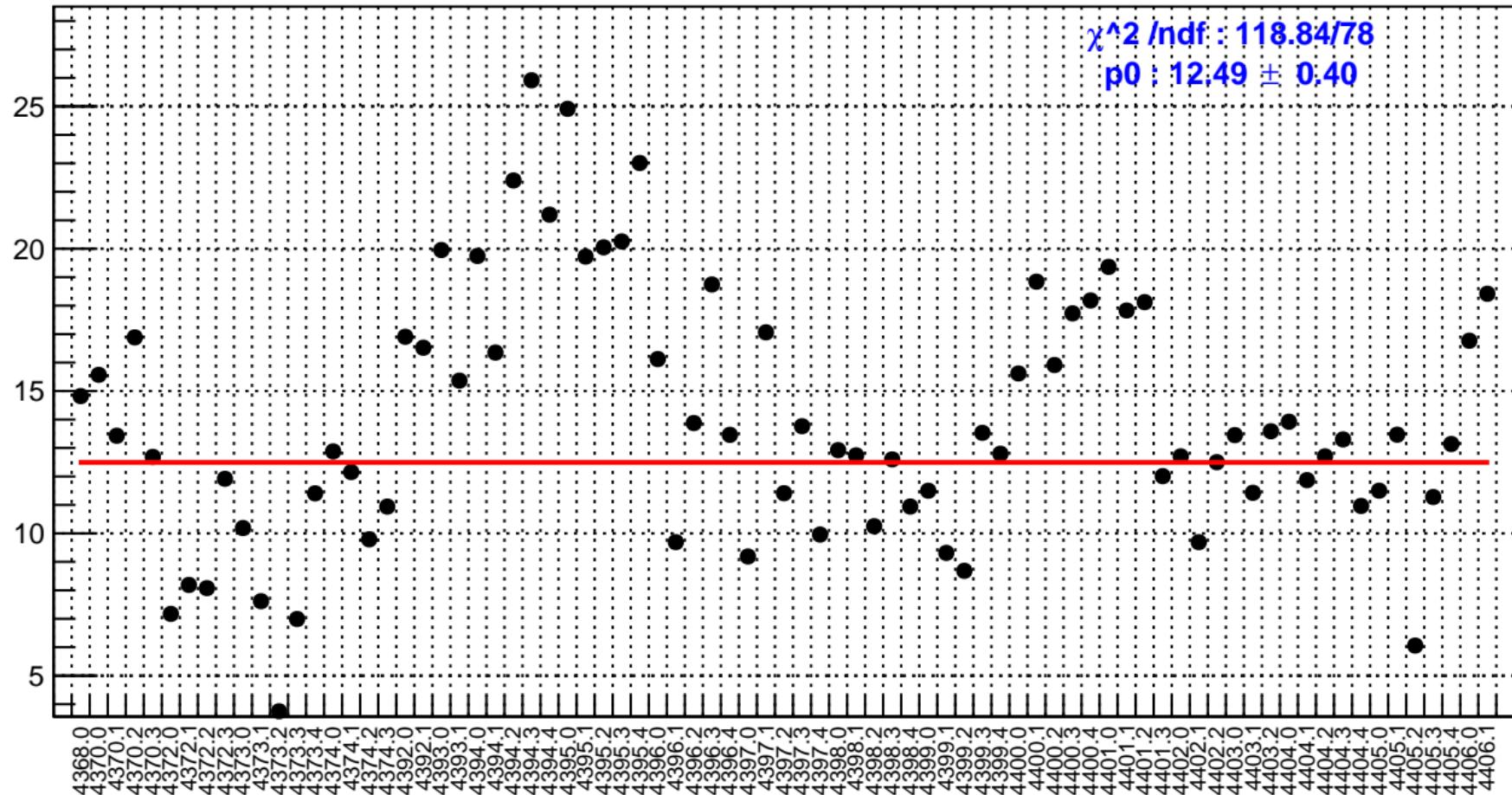
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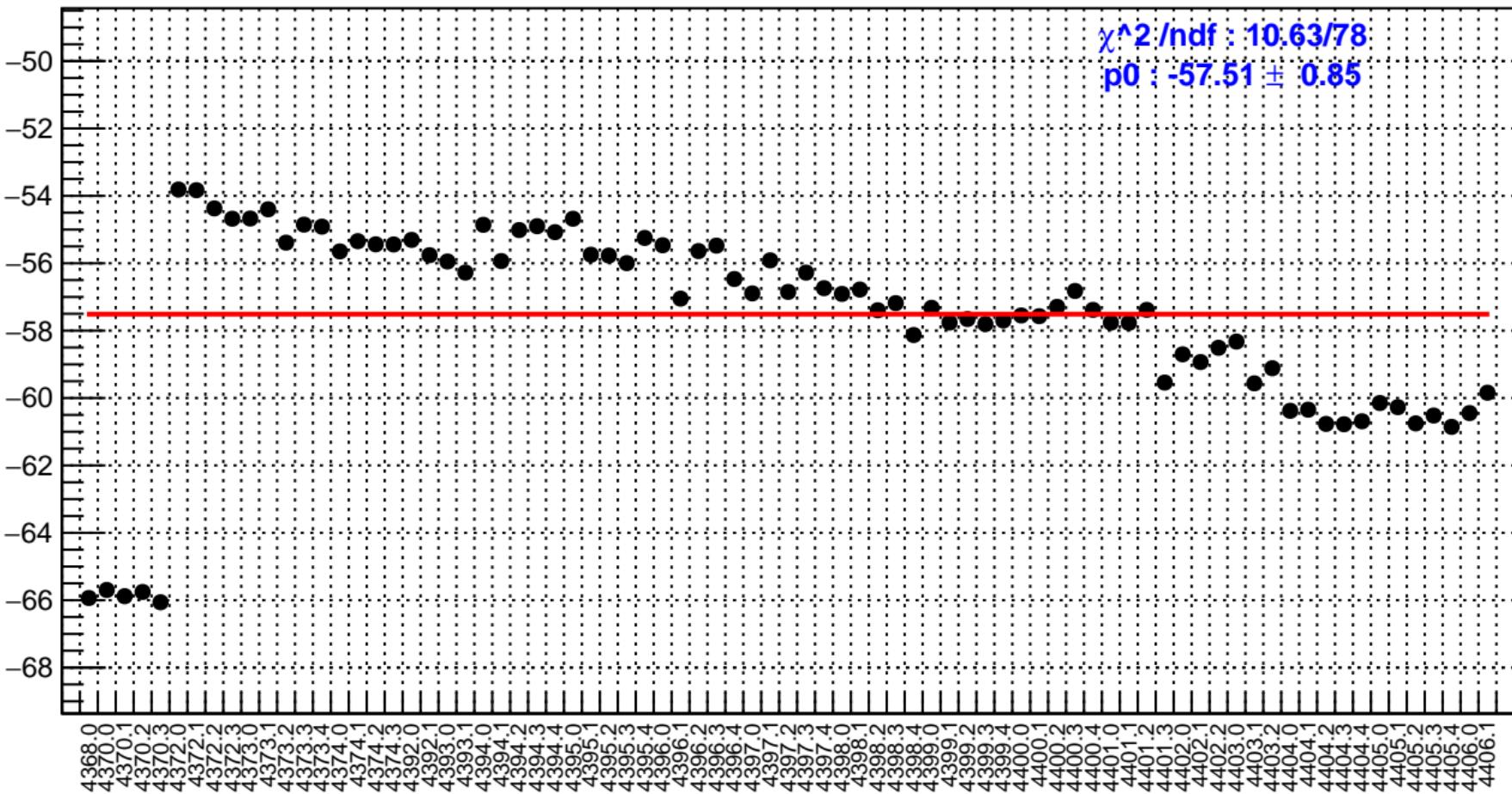
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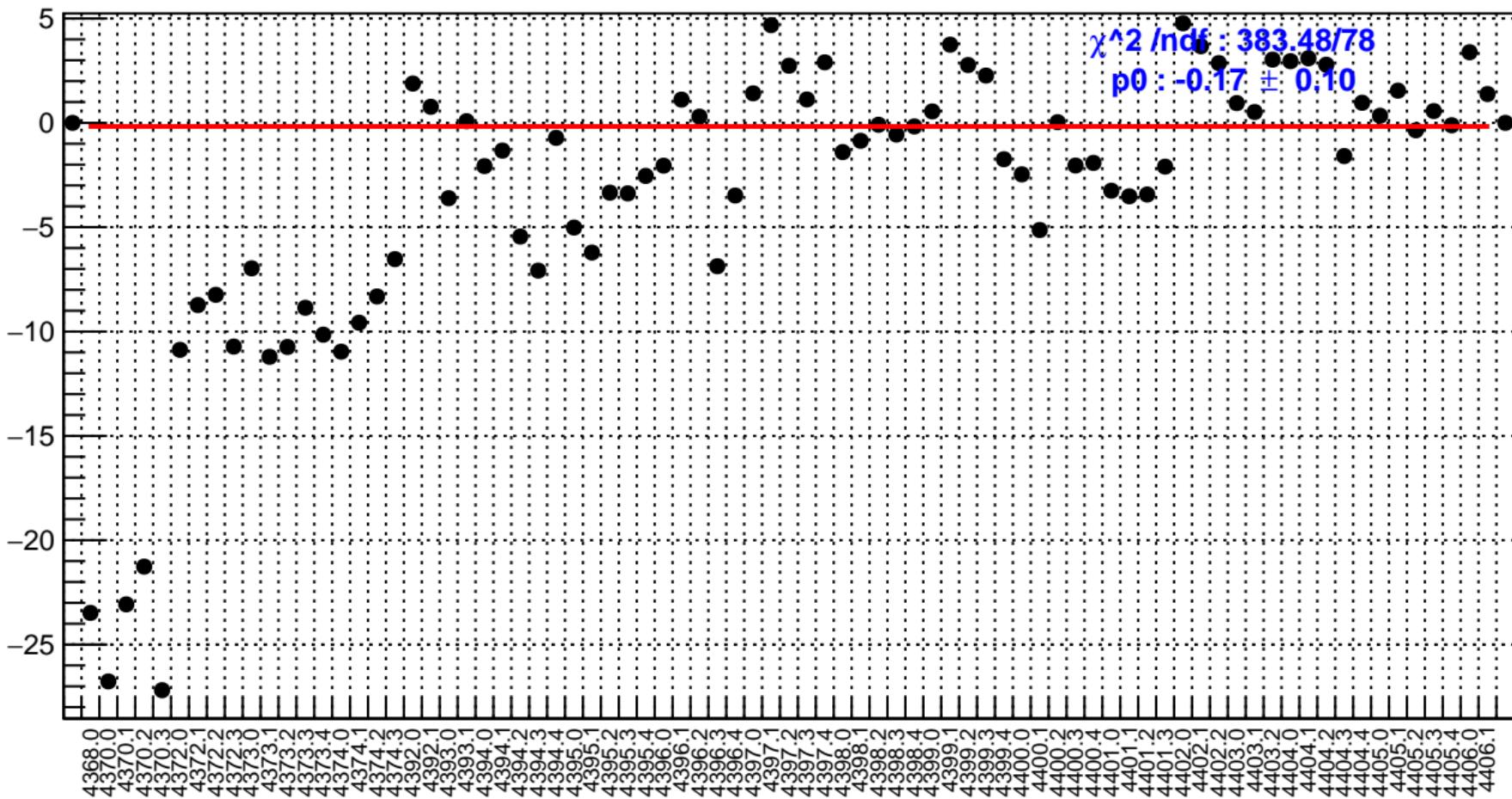
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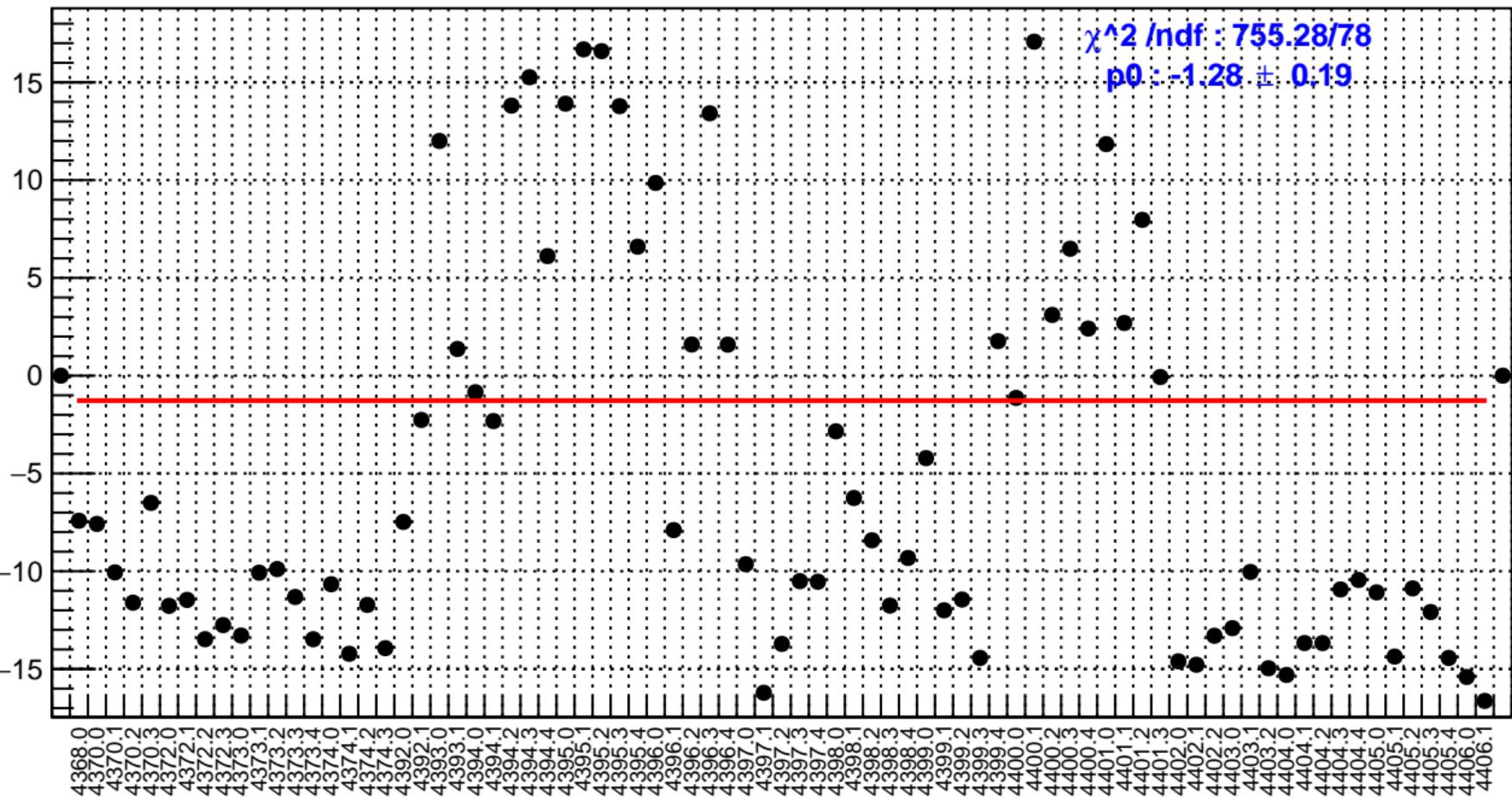
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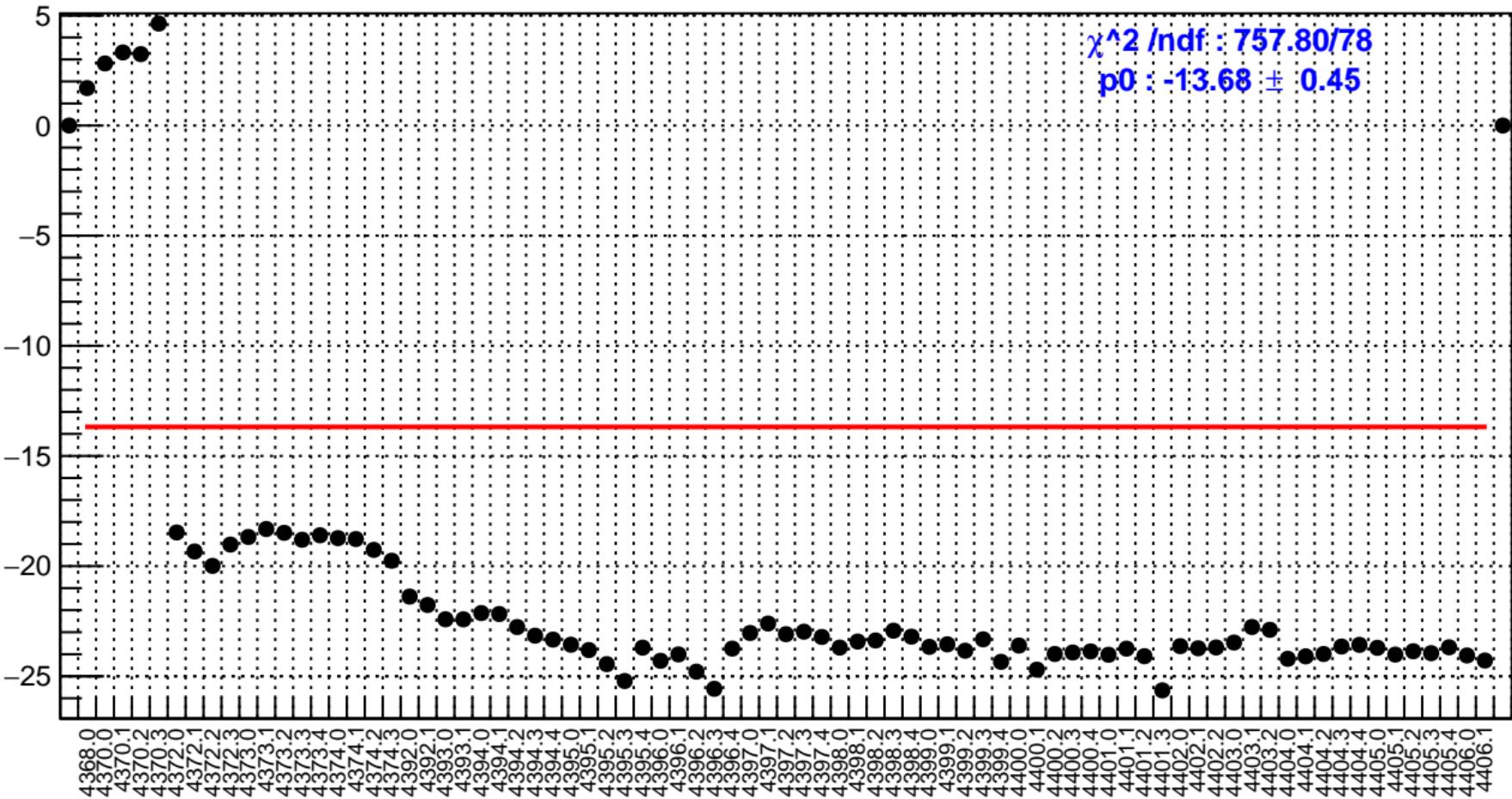
slug59: us_avg_bpm4aX/(ppb/nm)



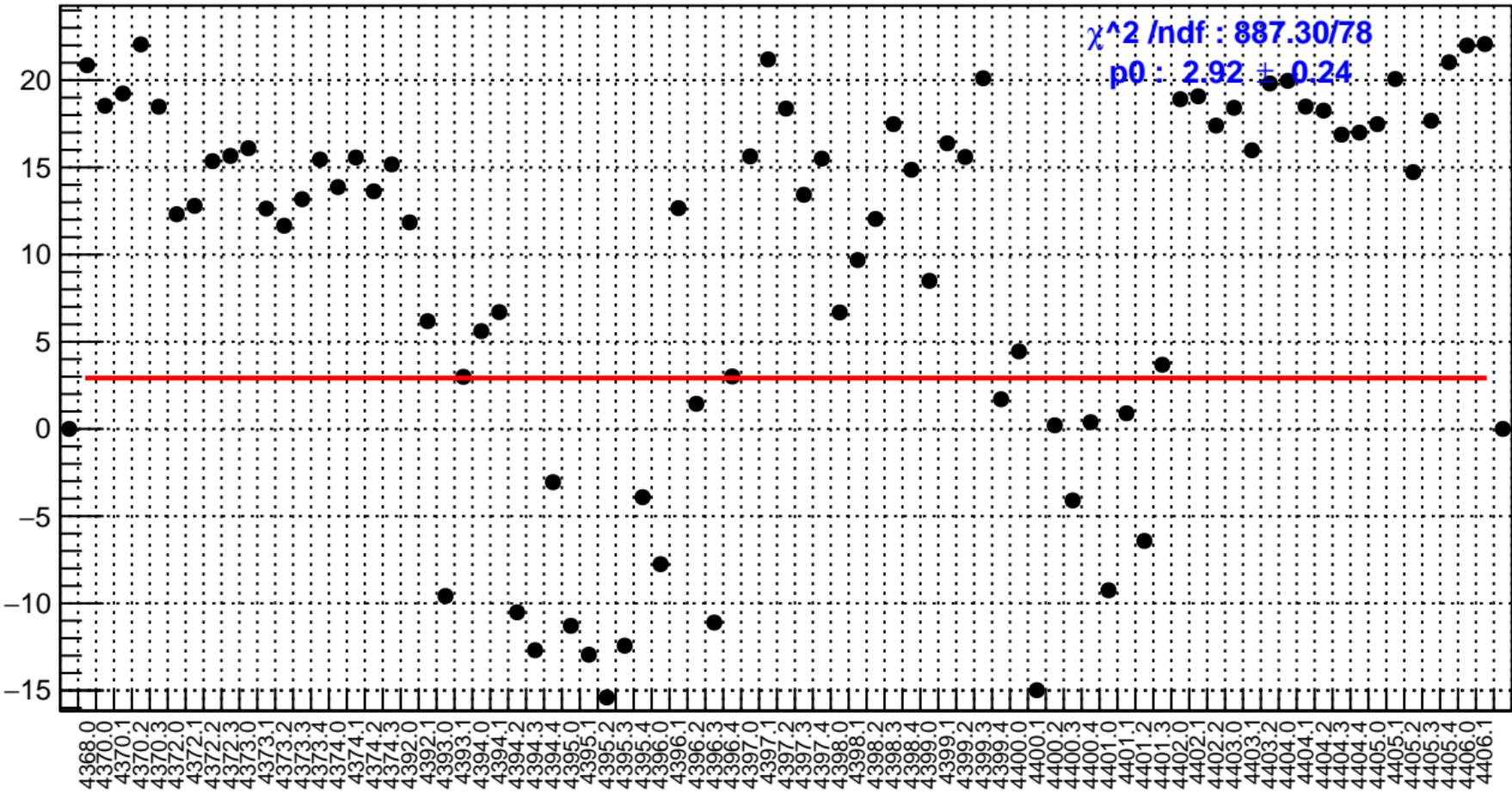
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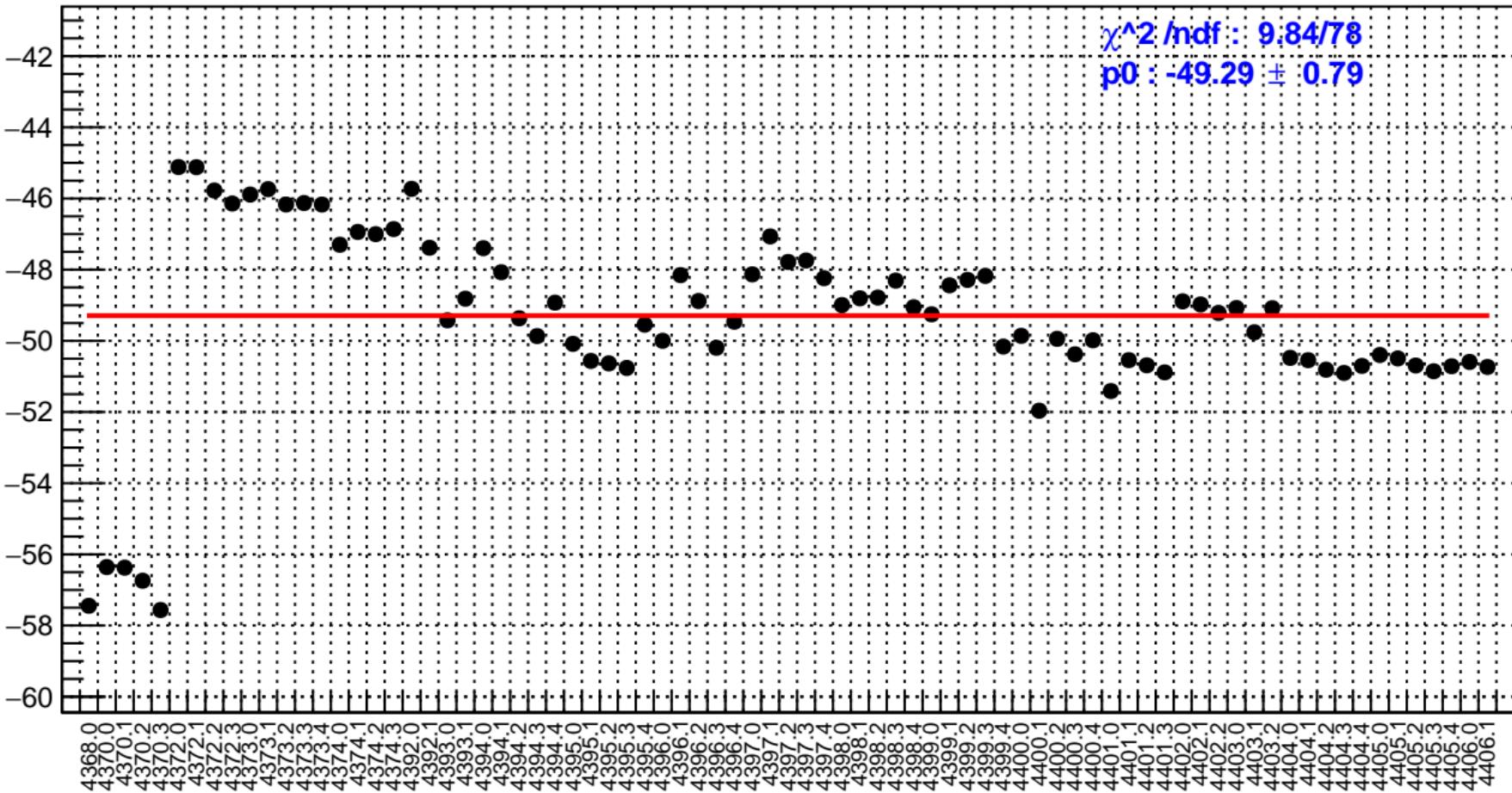
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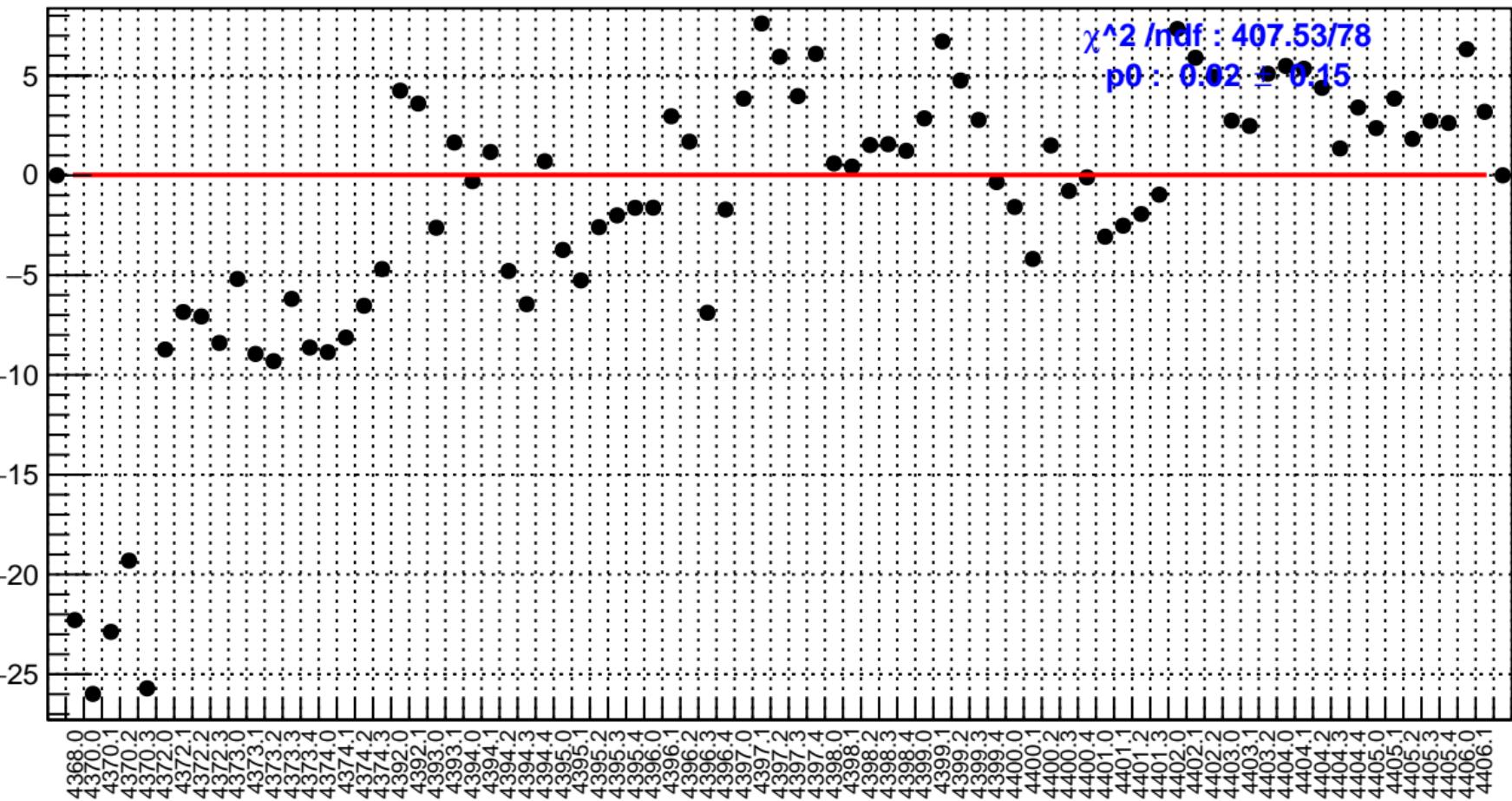
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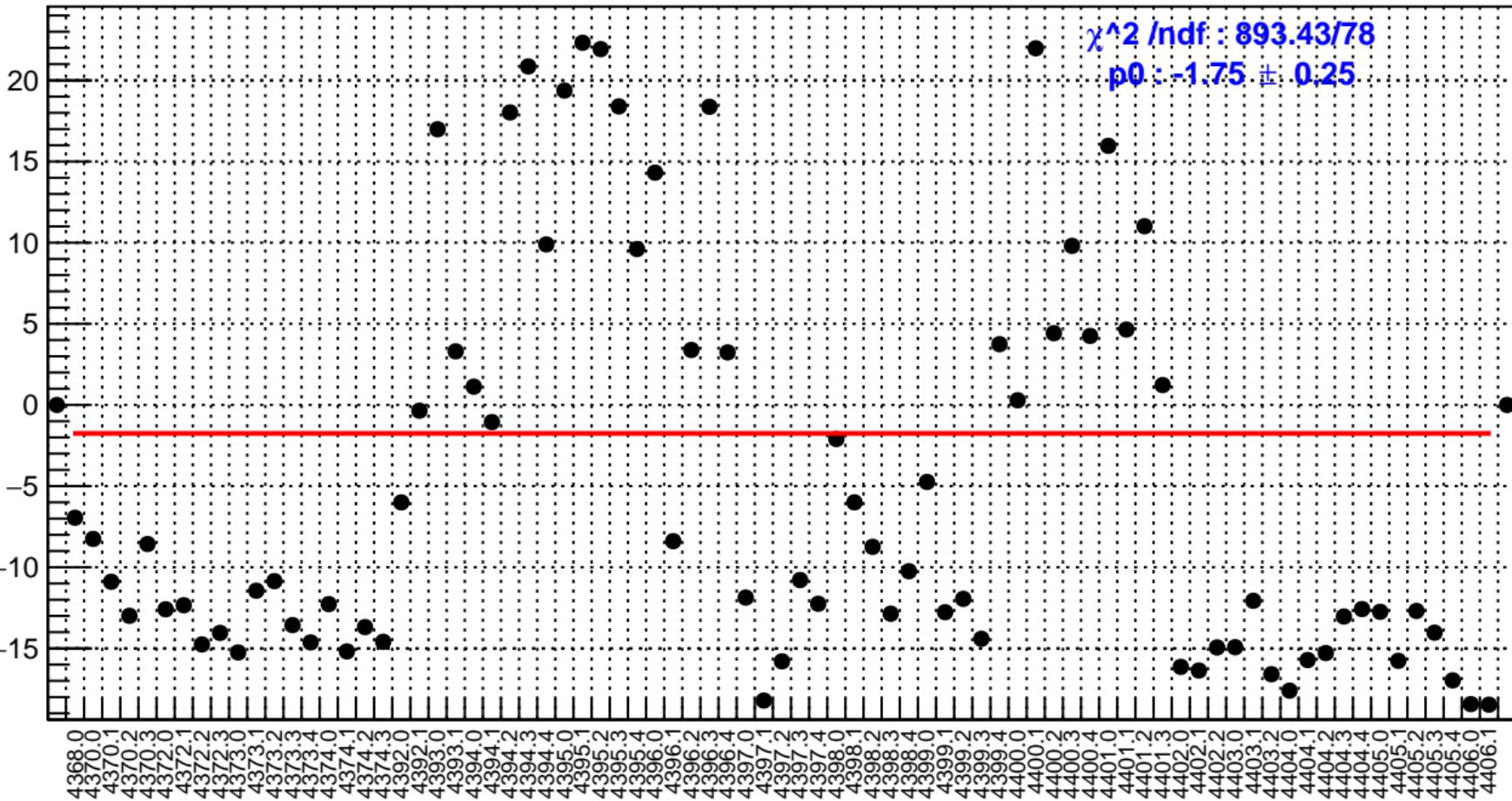
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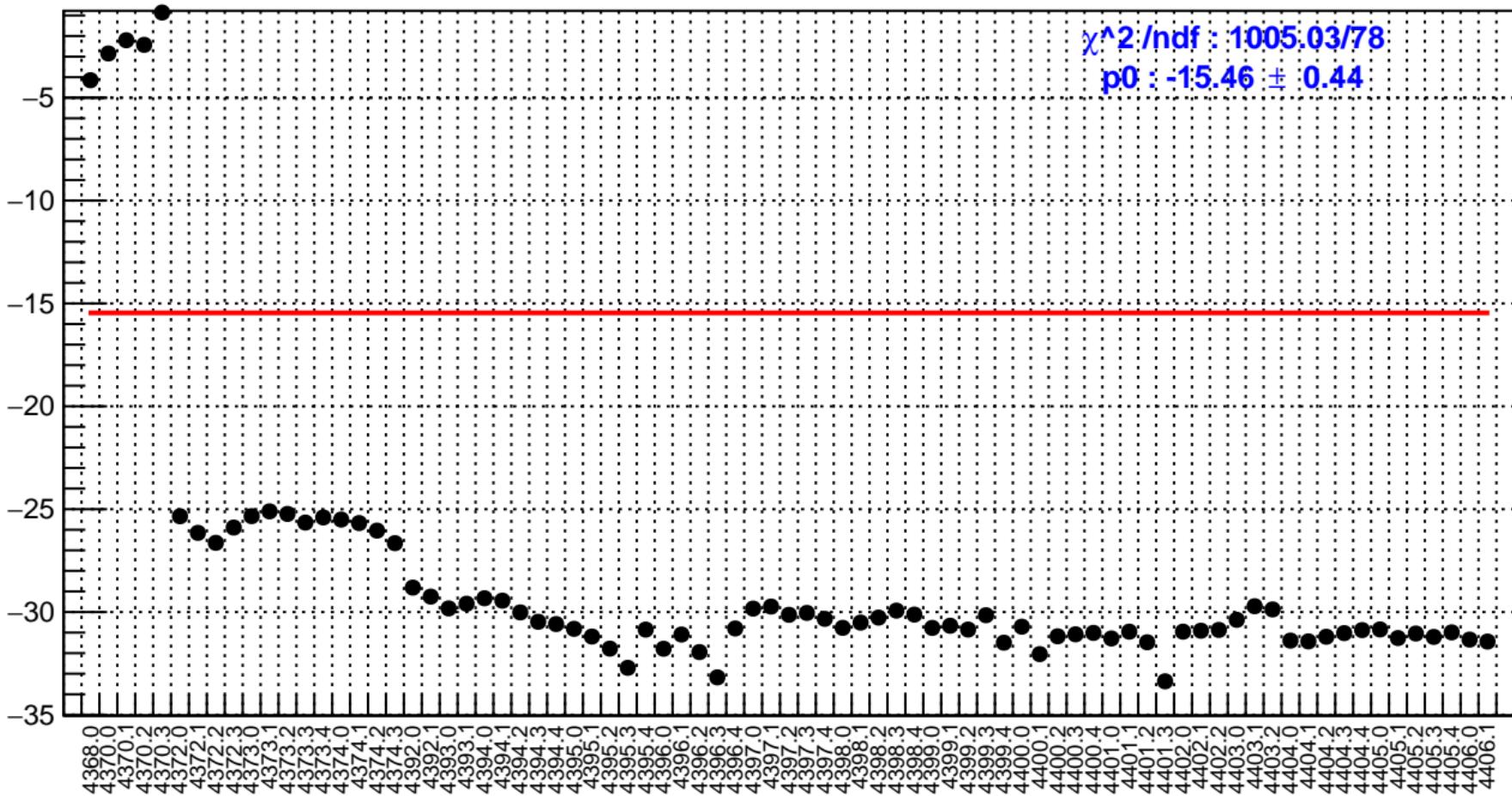
slug59: ds_avg_bpm4aX/(ppb/nm)



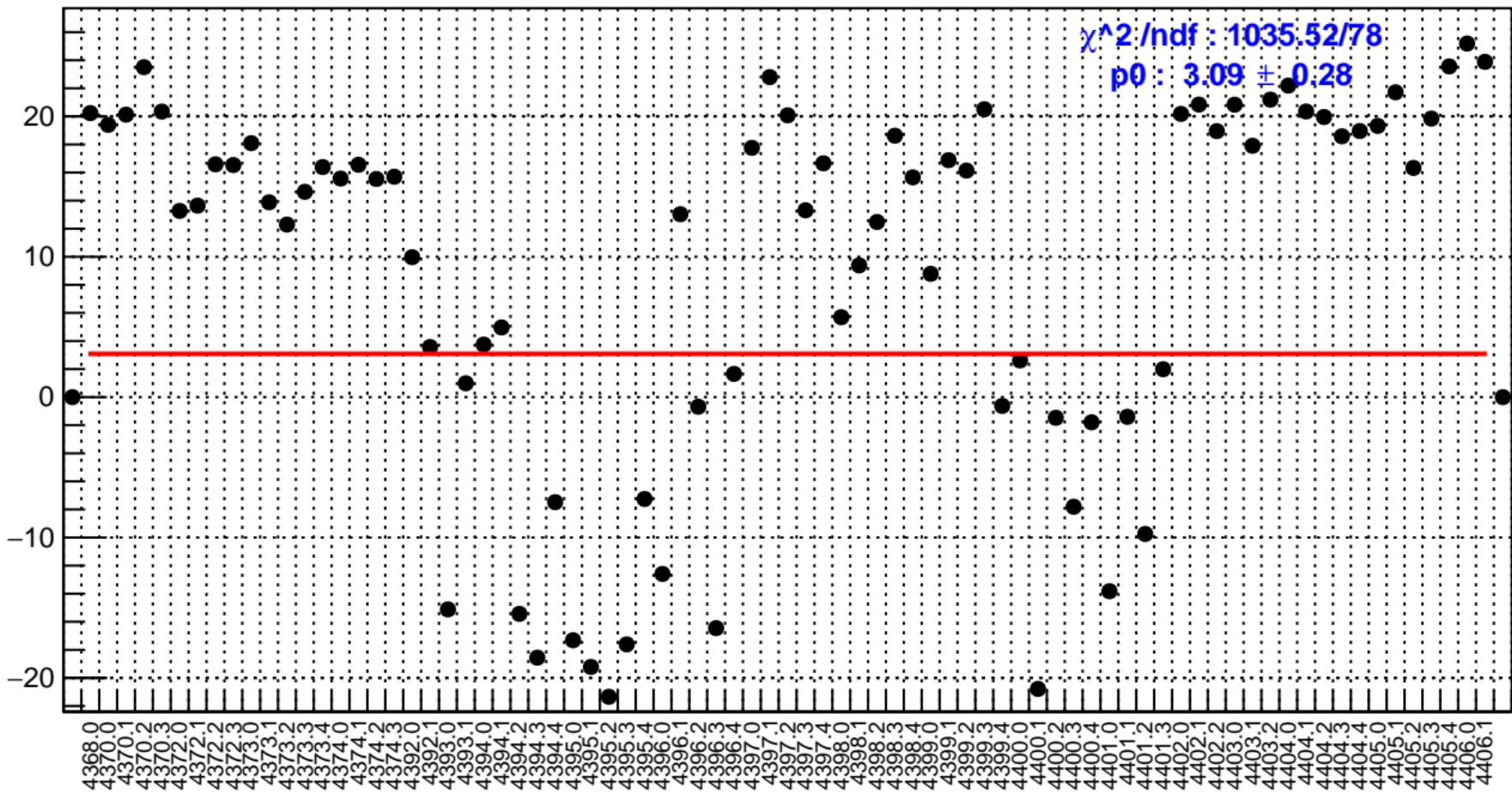
slug59: ds_avg_bpm4aY/(ppb/nm)



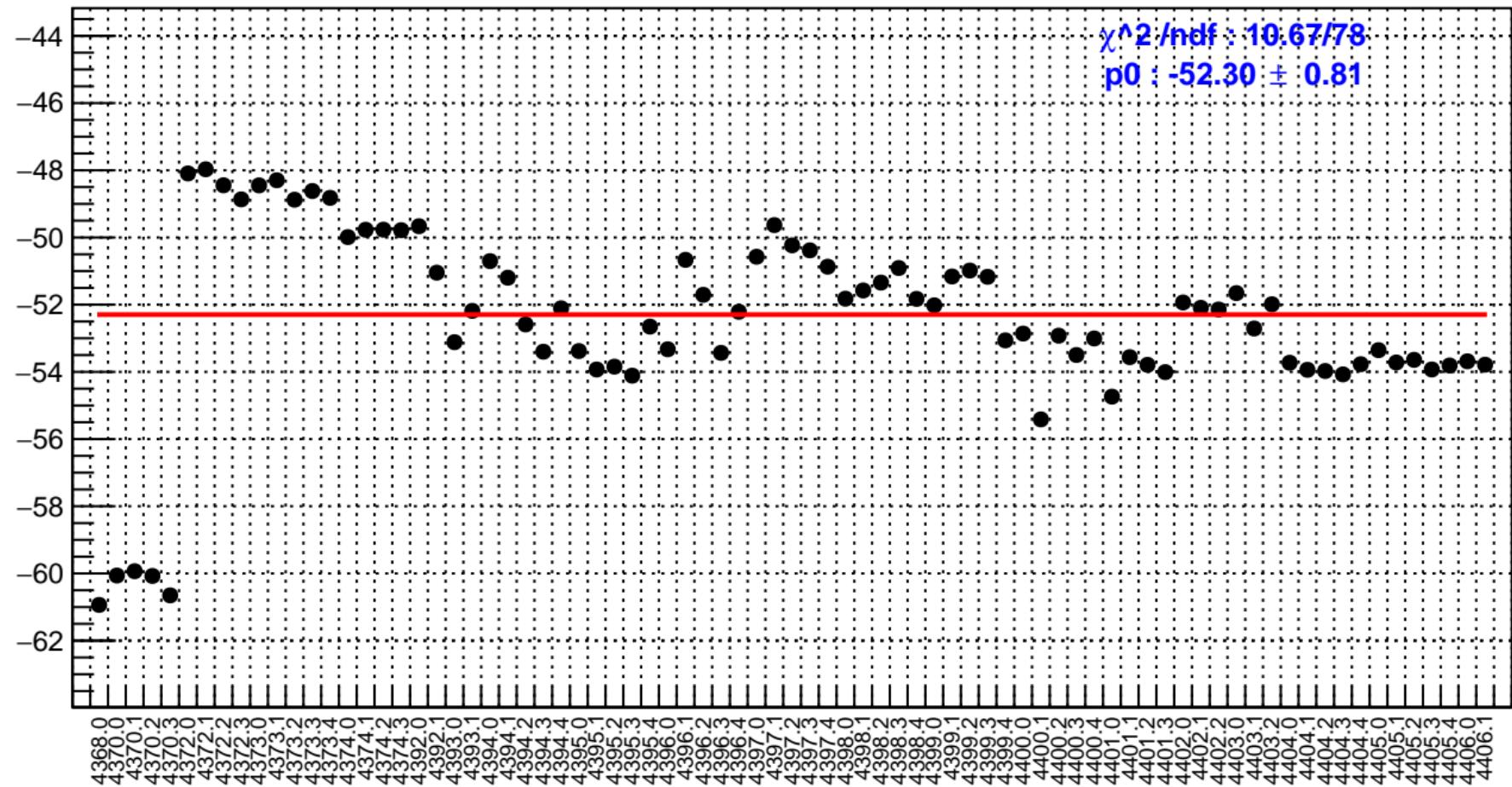
slug59: ds_avg_bpm4eX/(ppb/nm)



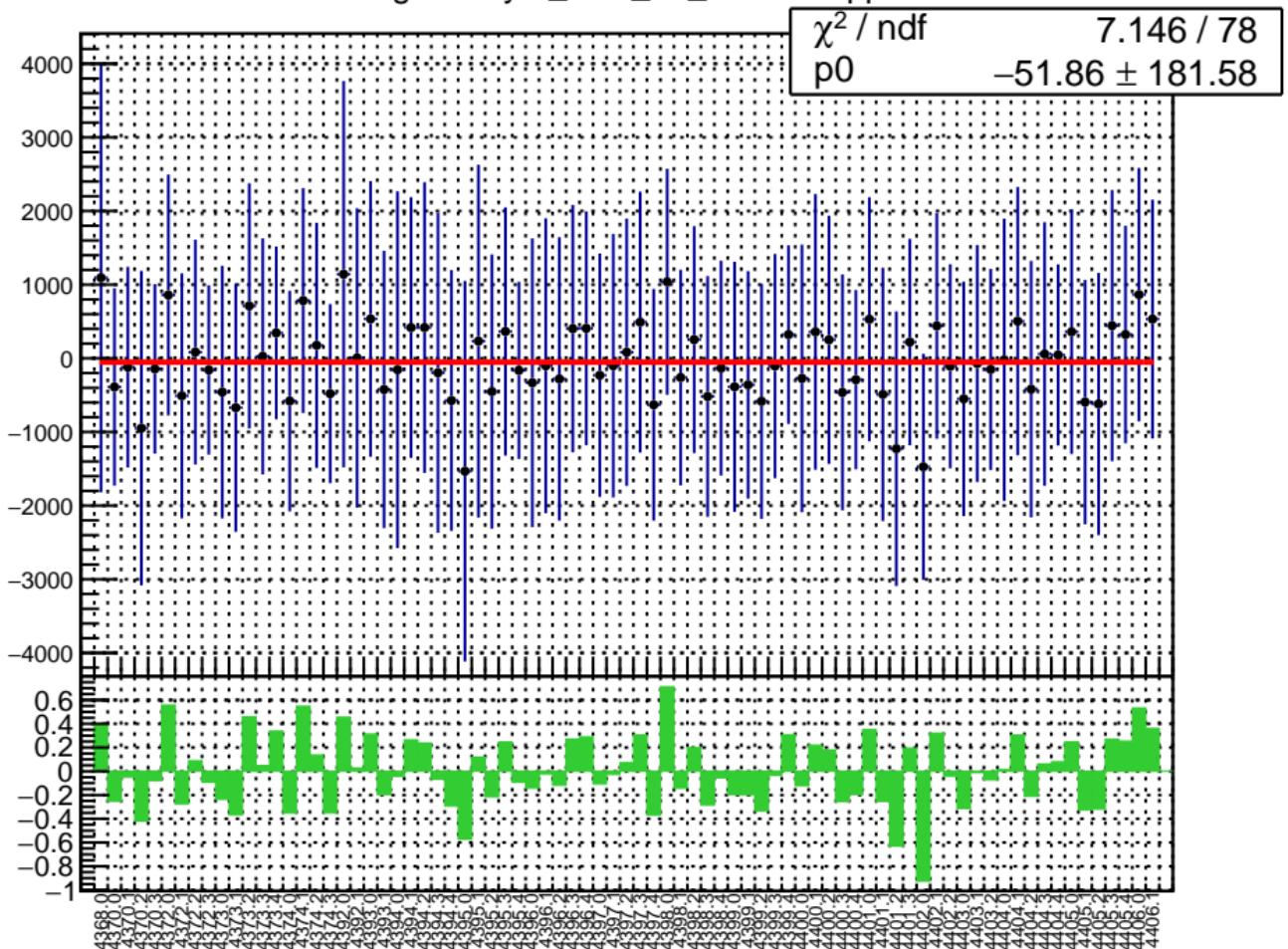
slug59: ds_avg_bpm4eY/(ppb/nm)



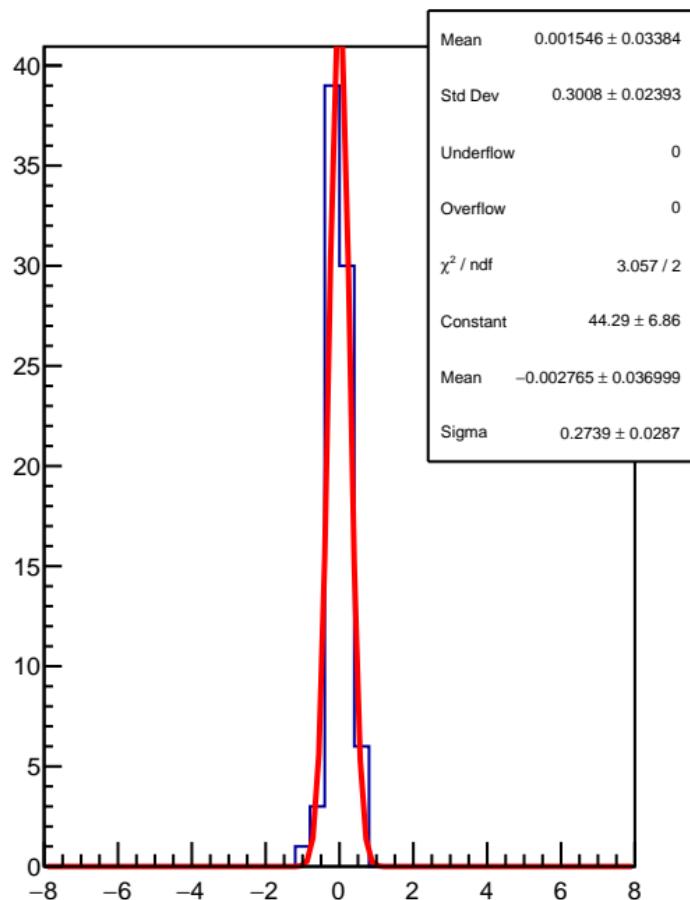
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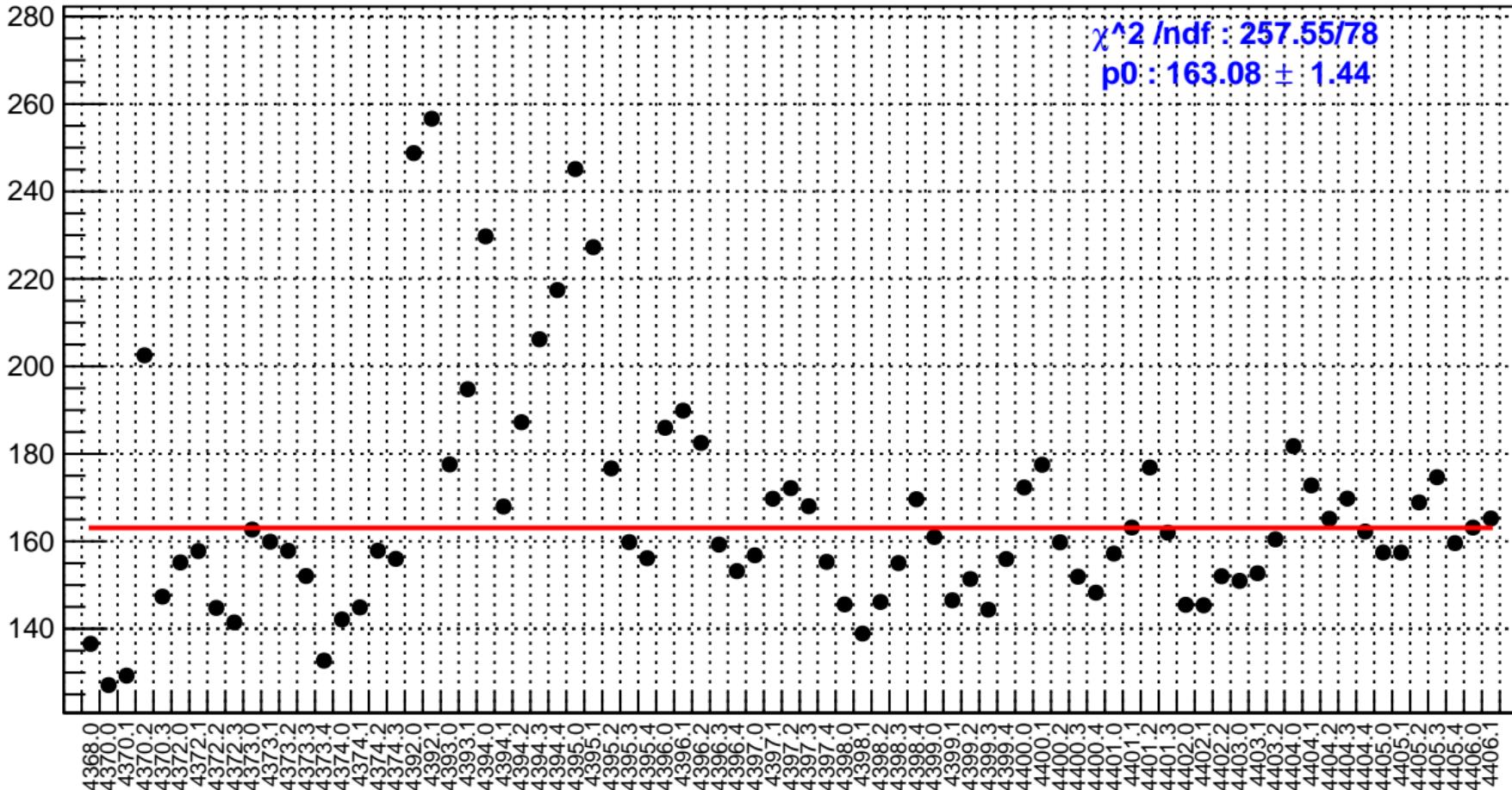
slug59: asym_bcm_an_ds.mean/ppb



1D pull distribution

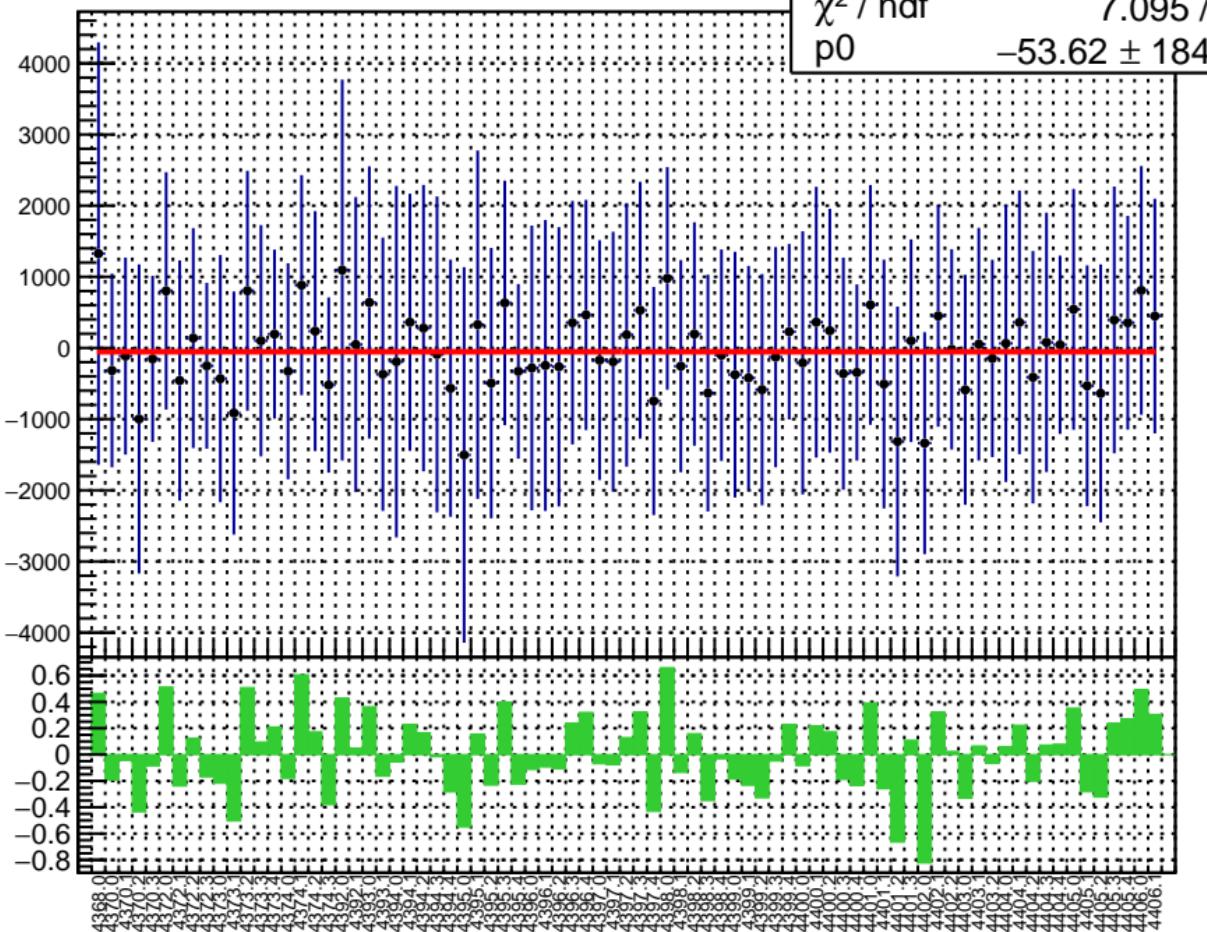


slug59: asym_bcm_an_ds.rms/ppm

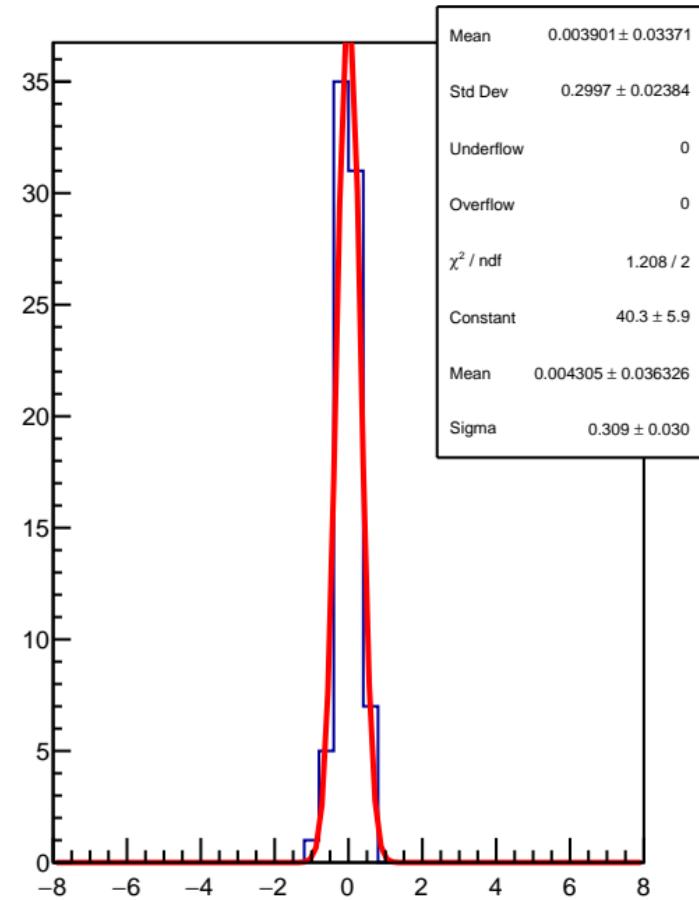


slug59: asym_bcm_an_ds3.mean/ppb

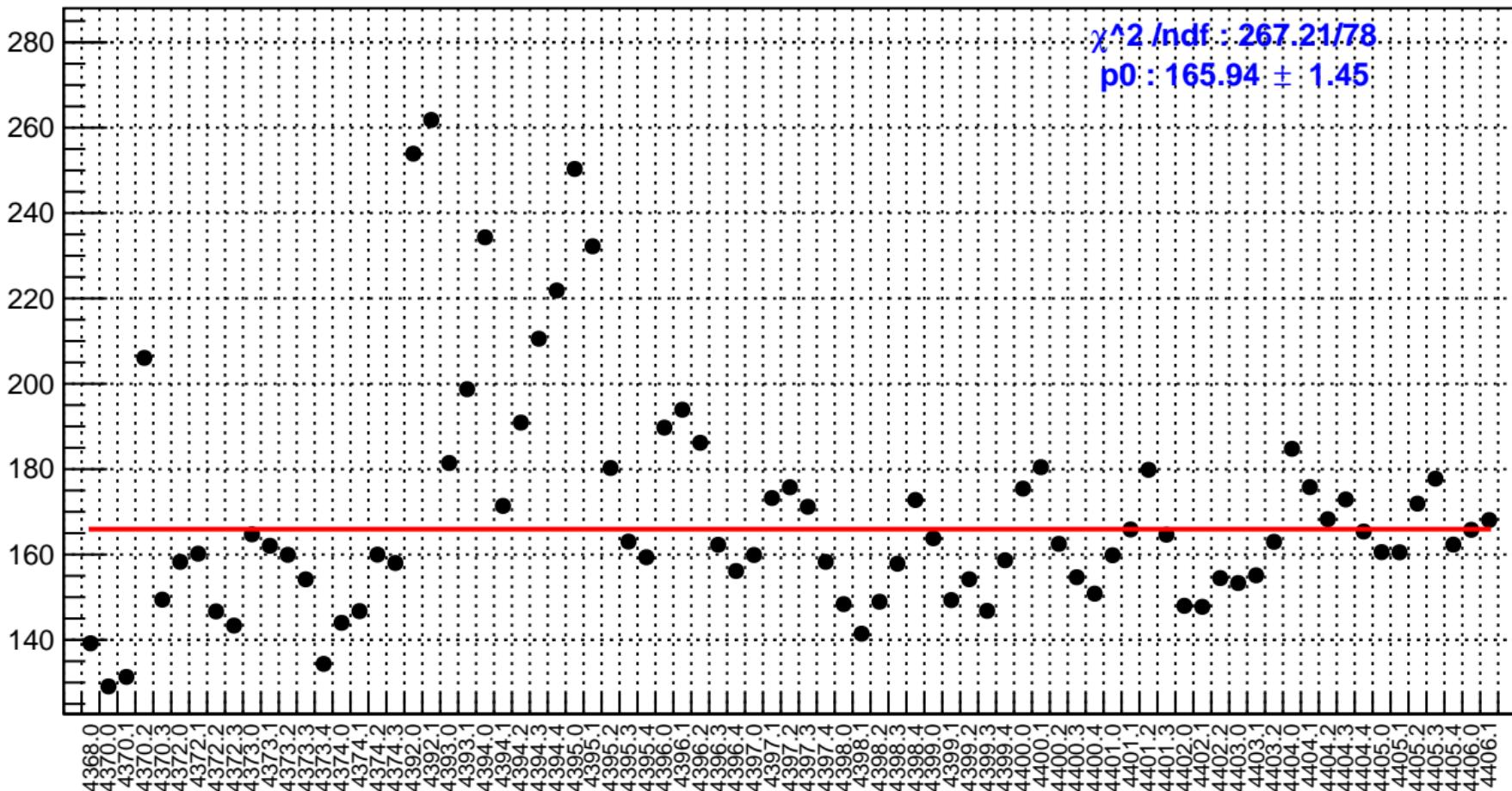
χ^2 / ndf 7.095 / 78
 p_0 -53.62 ± 184.72



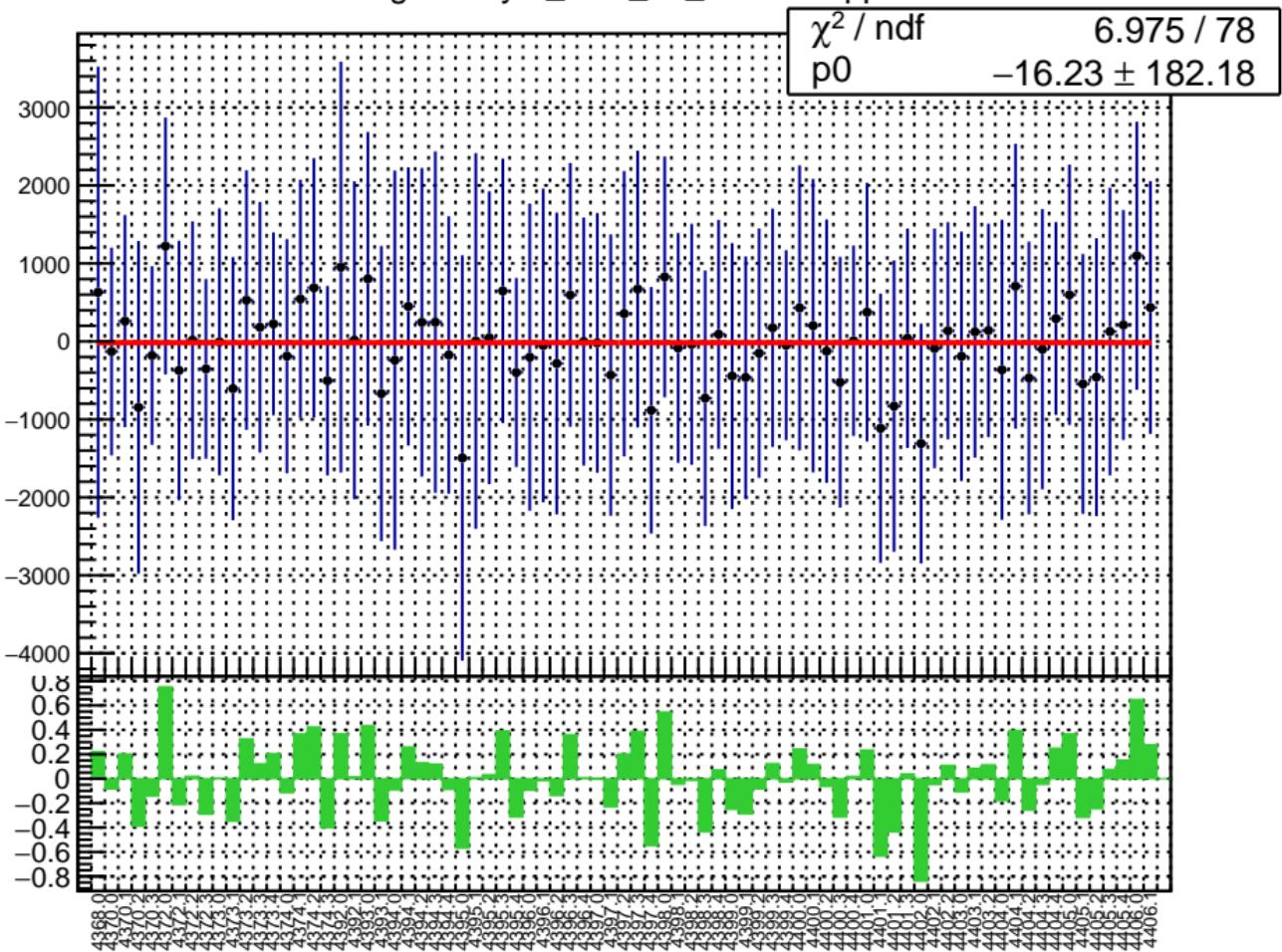
1D pull distribution



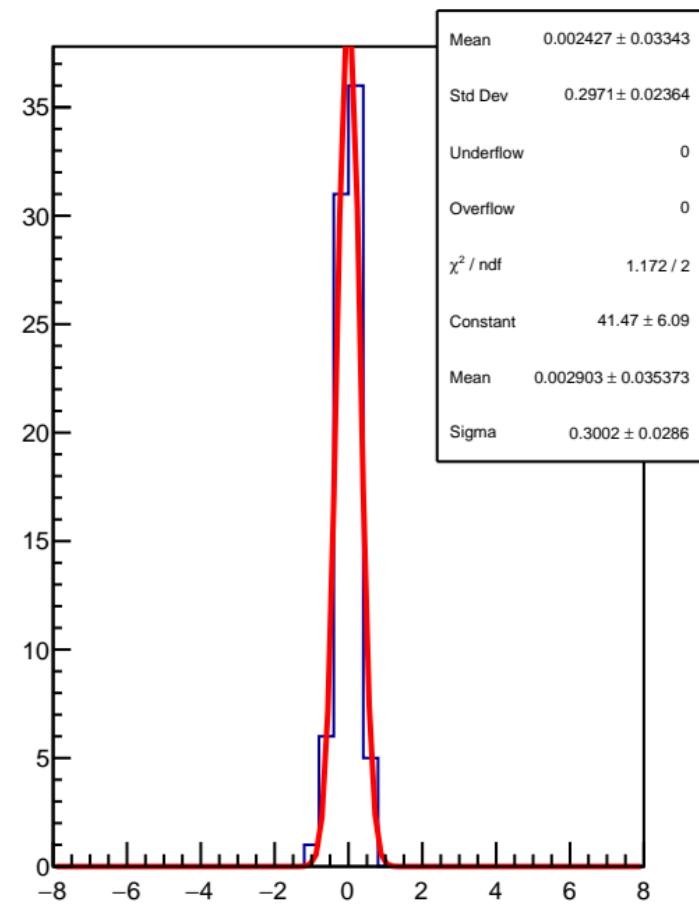
slug59: asym_bcm_an_ds3.rms/ppm



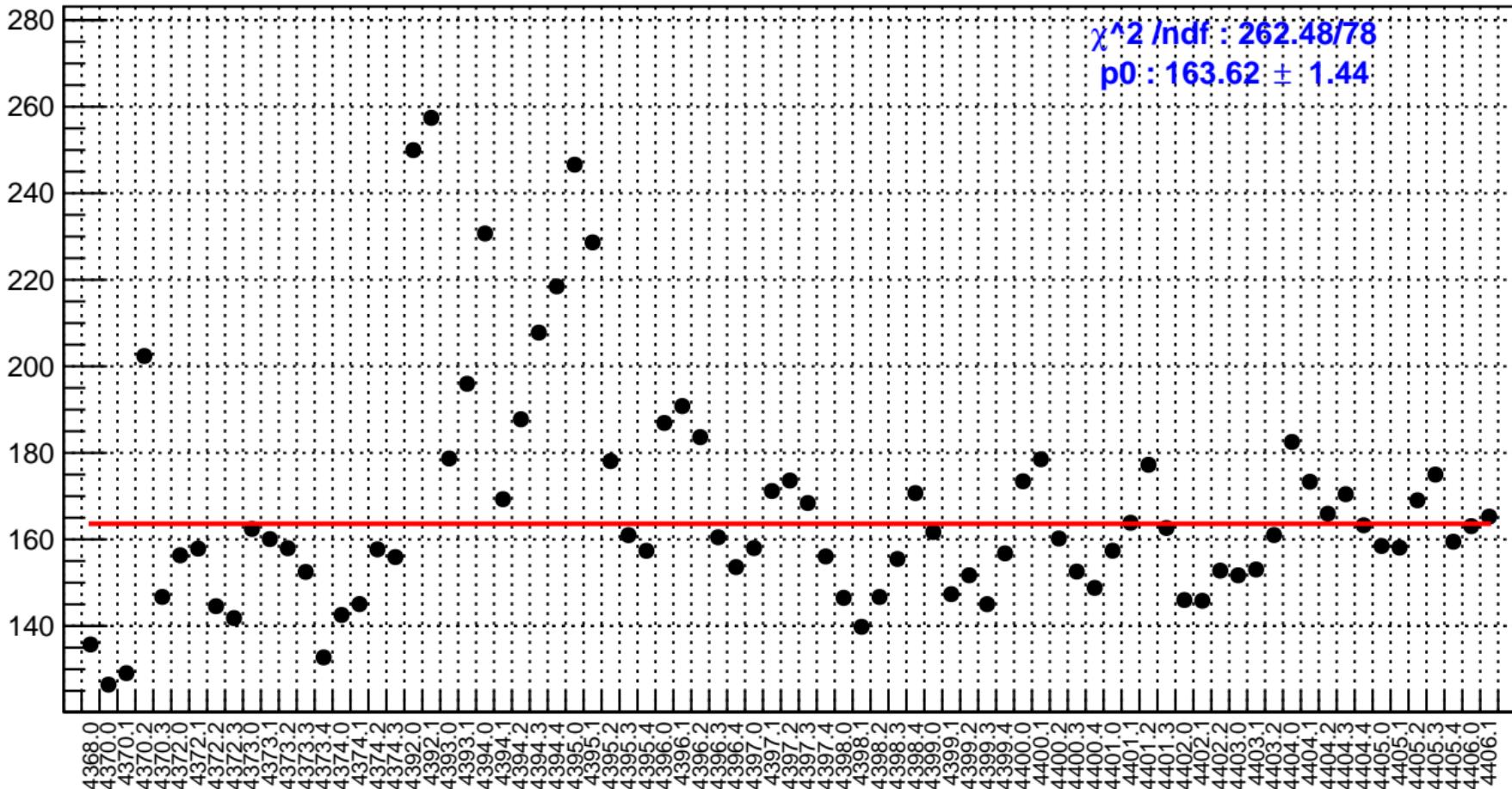
slug59: asym_bcm_an_us.mean/ppb



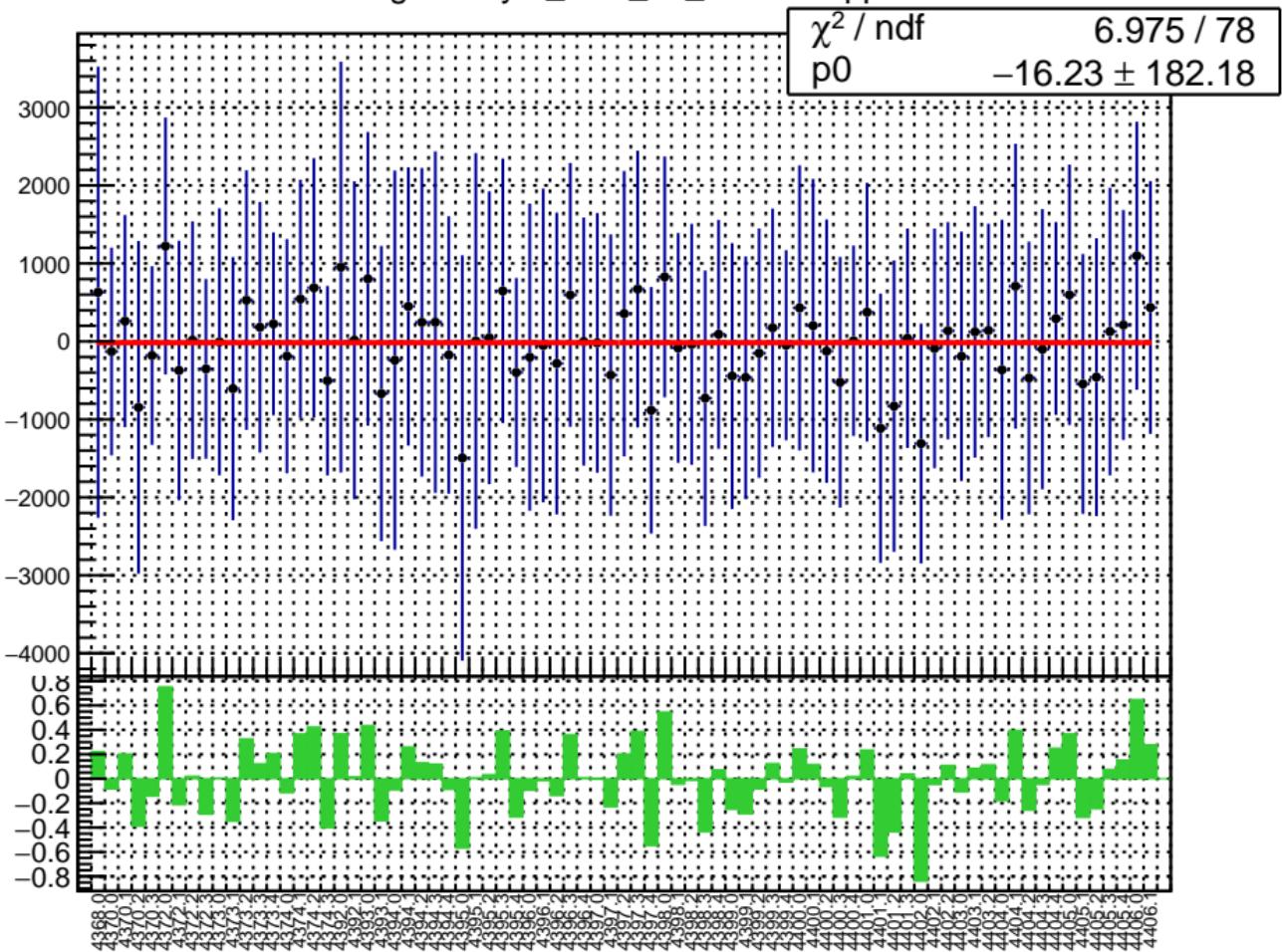
1D pull distribution



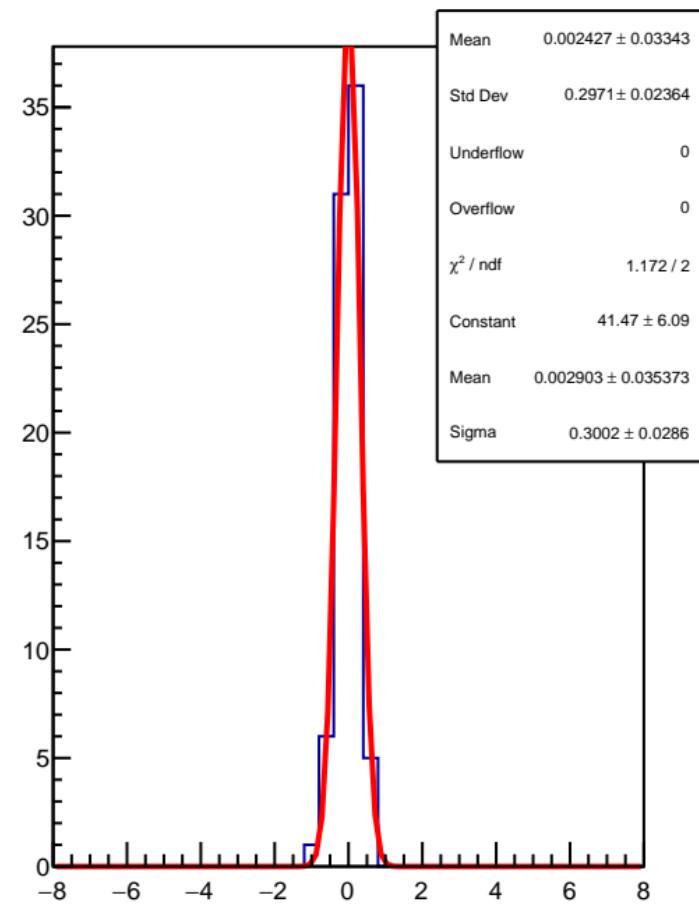
slug59: asym_bcm_an_us.rms/ppm



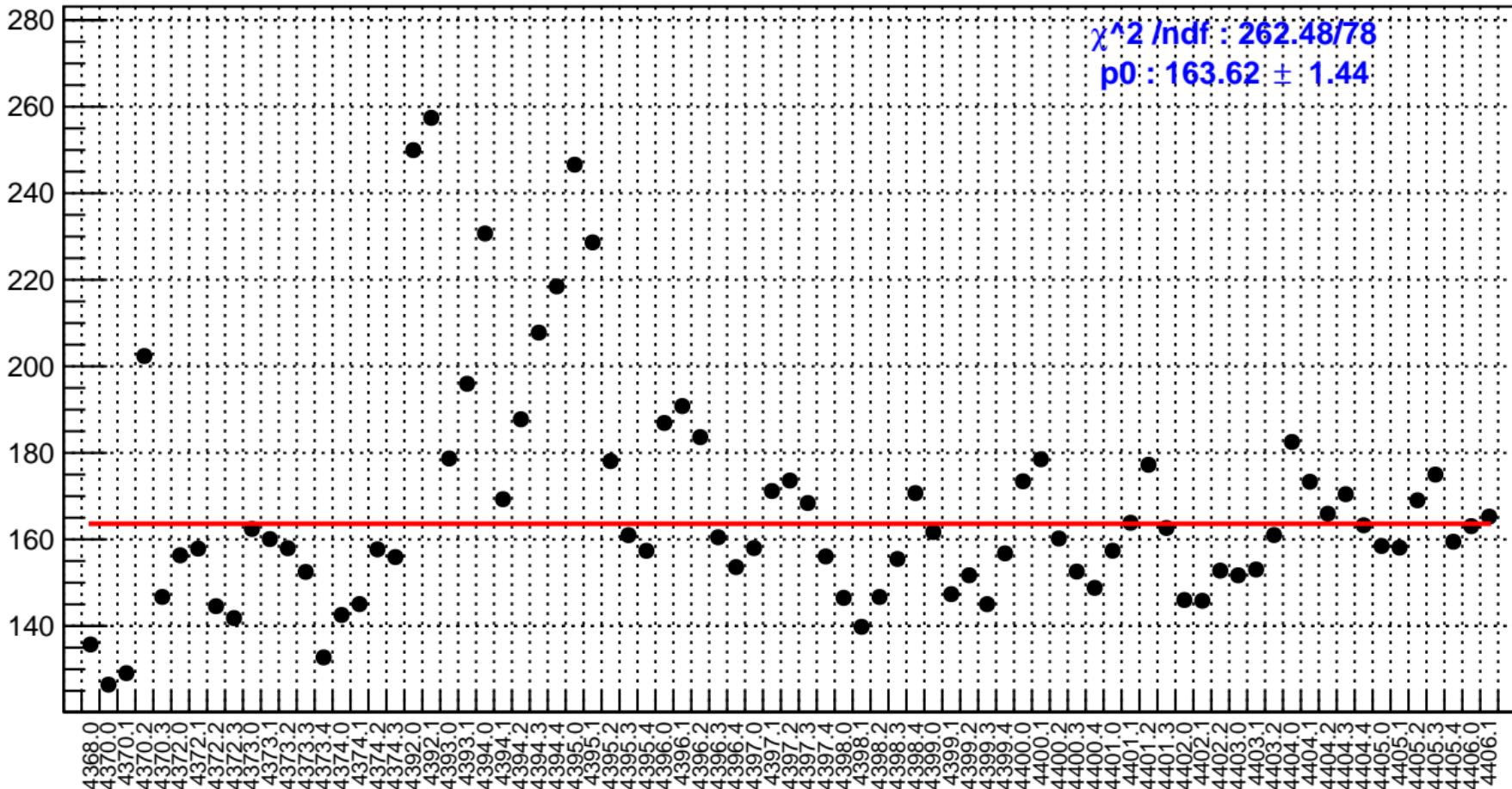
slug59: asym_bcm_an_us.mean/ppb



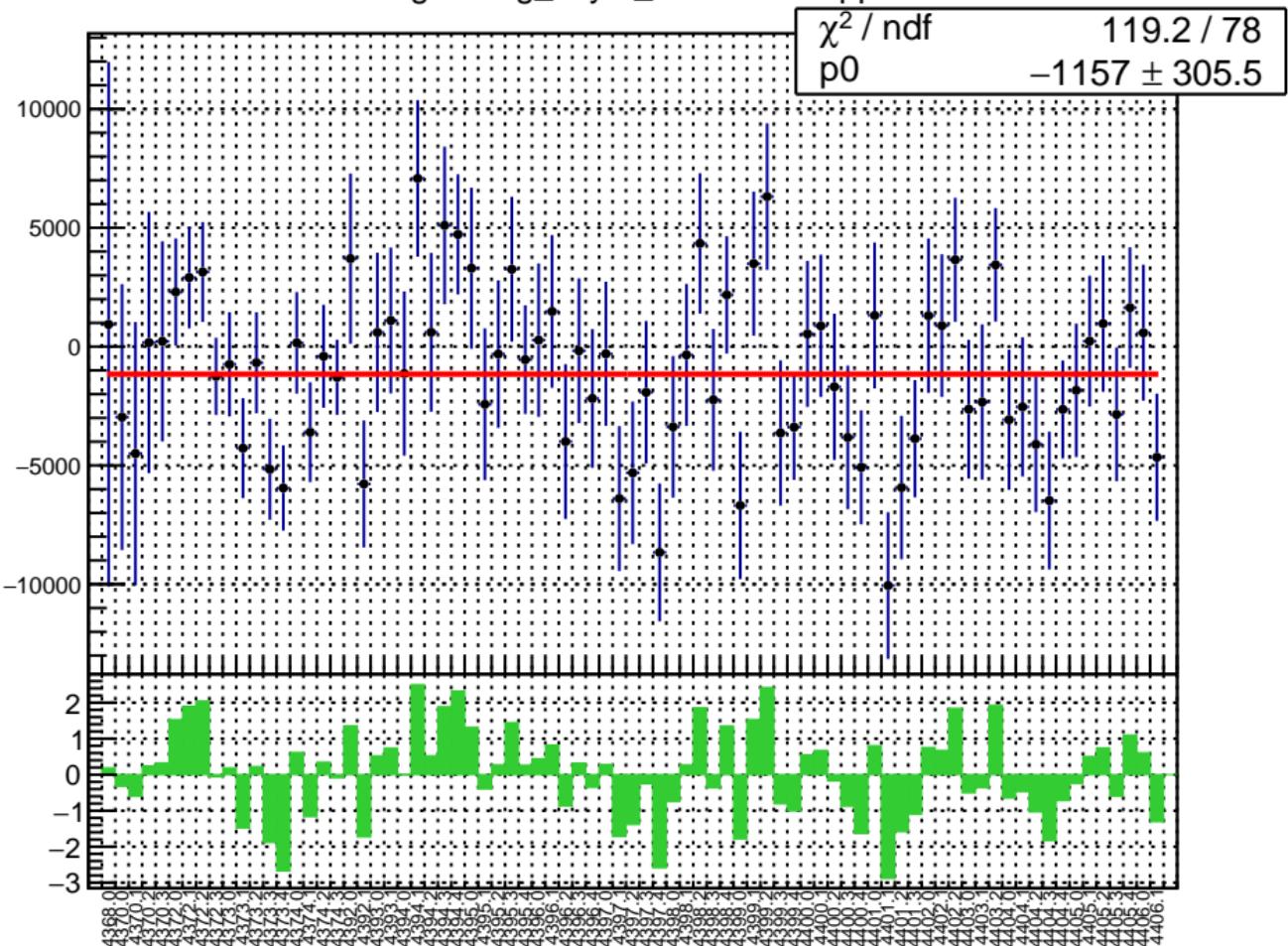
1D pull distribution



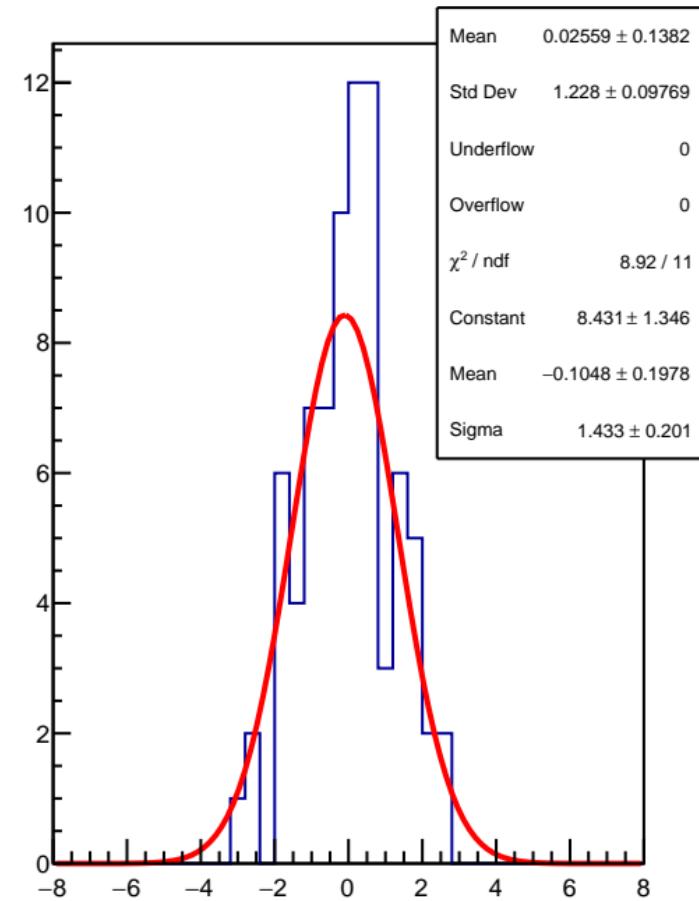
slug59: asym_bcm_an_us.rms/ppm



slug59: reg_asym_sam1.mean/ppb

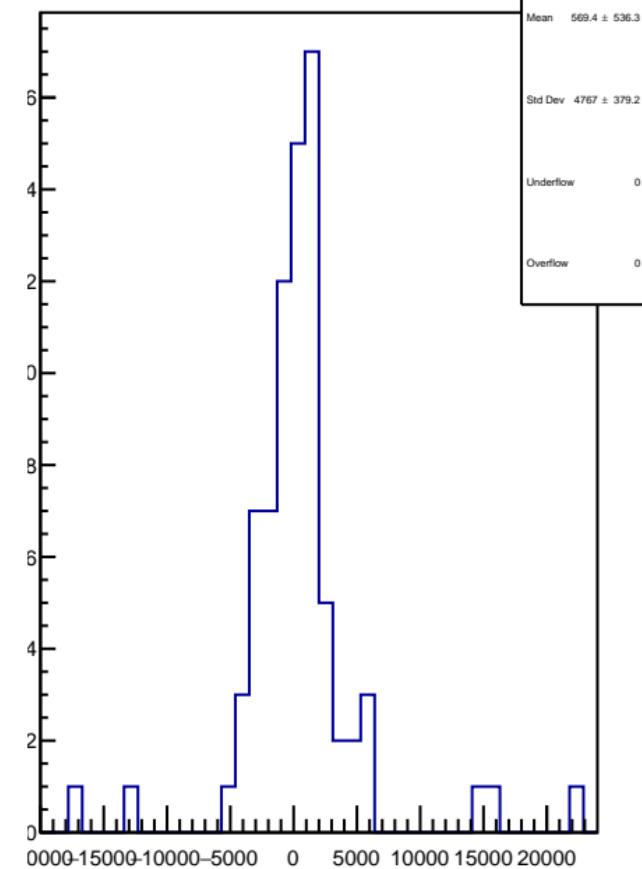
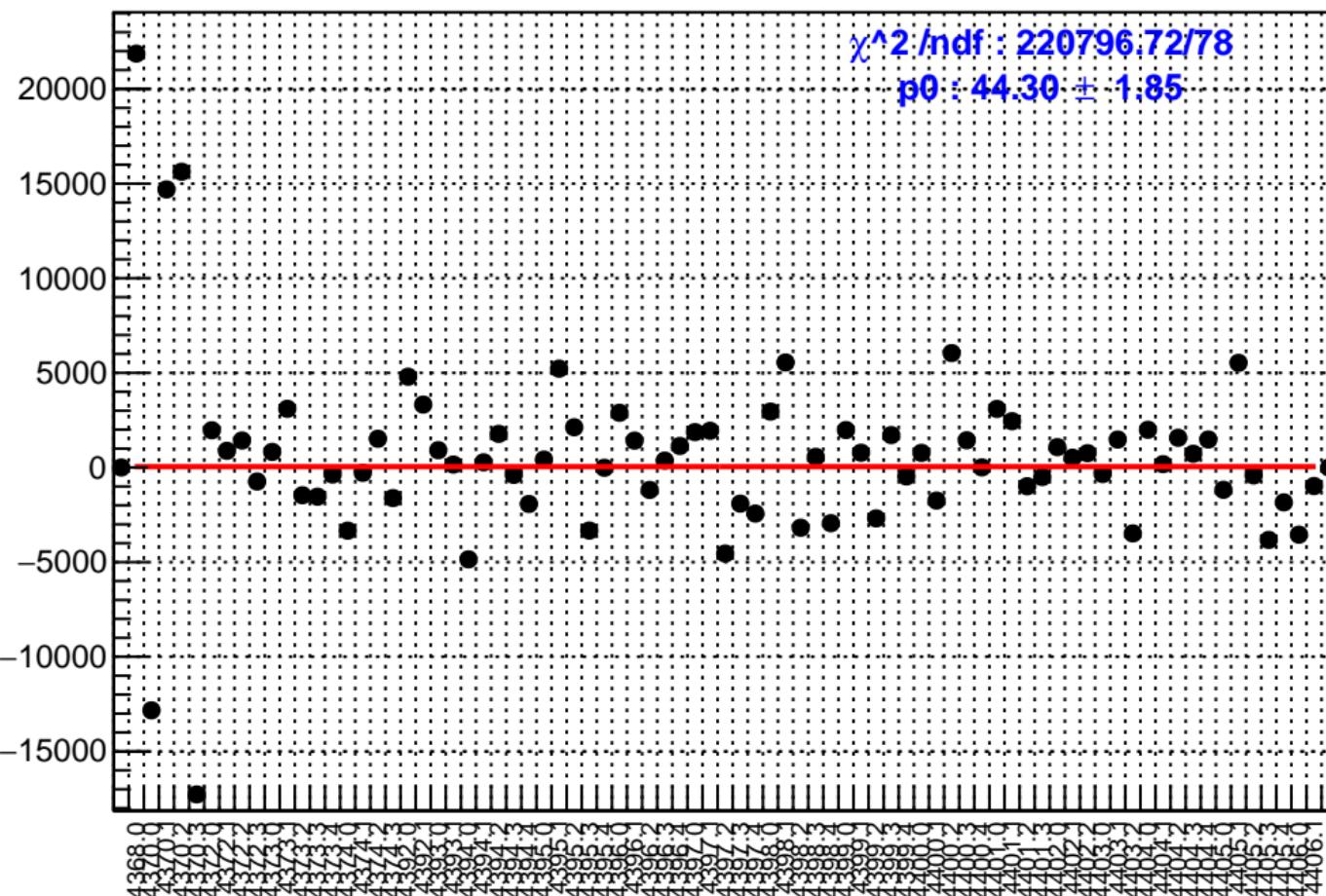


1D pull distribution

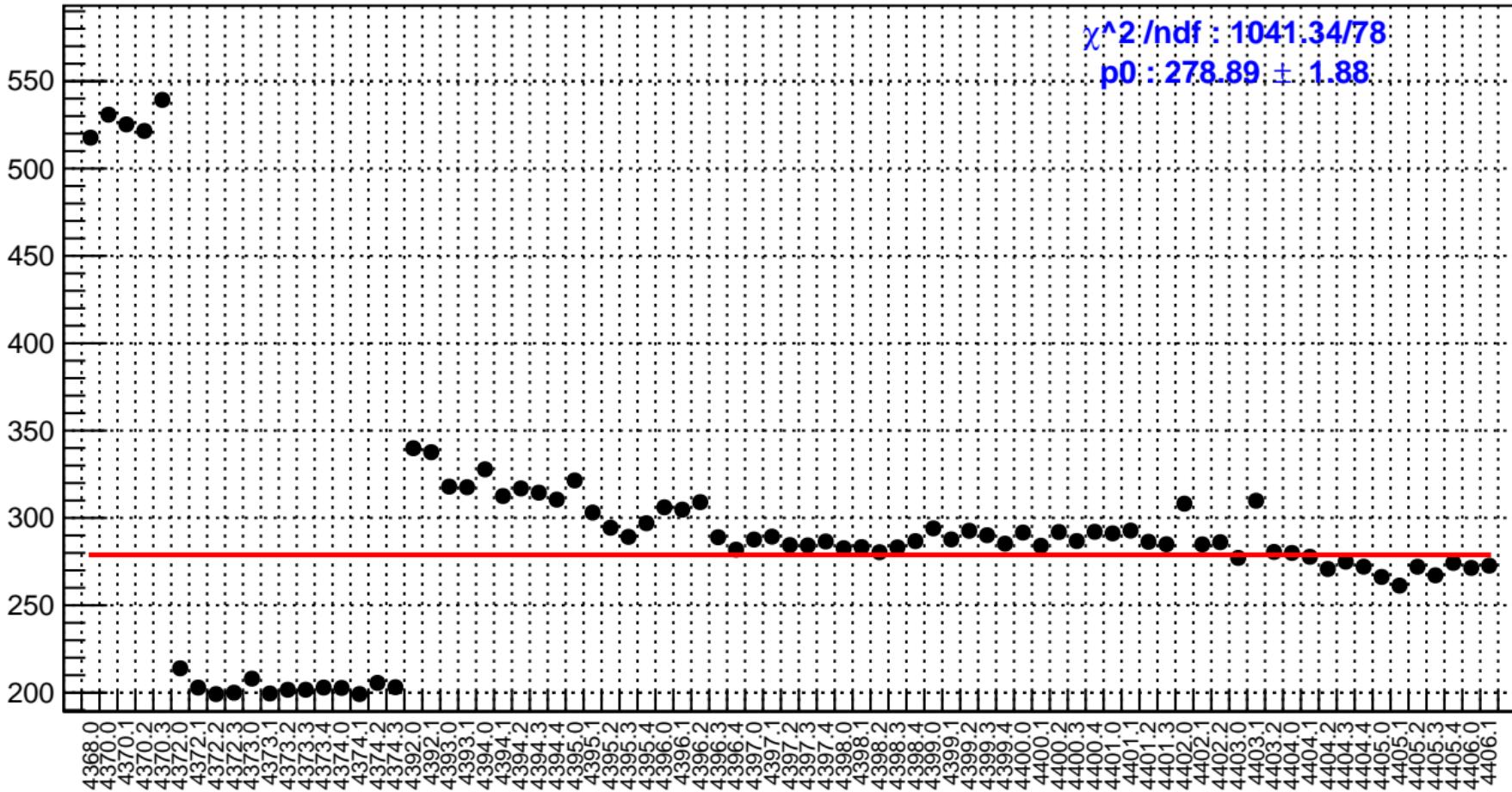


slug59: asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb

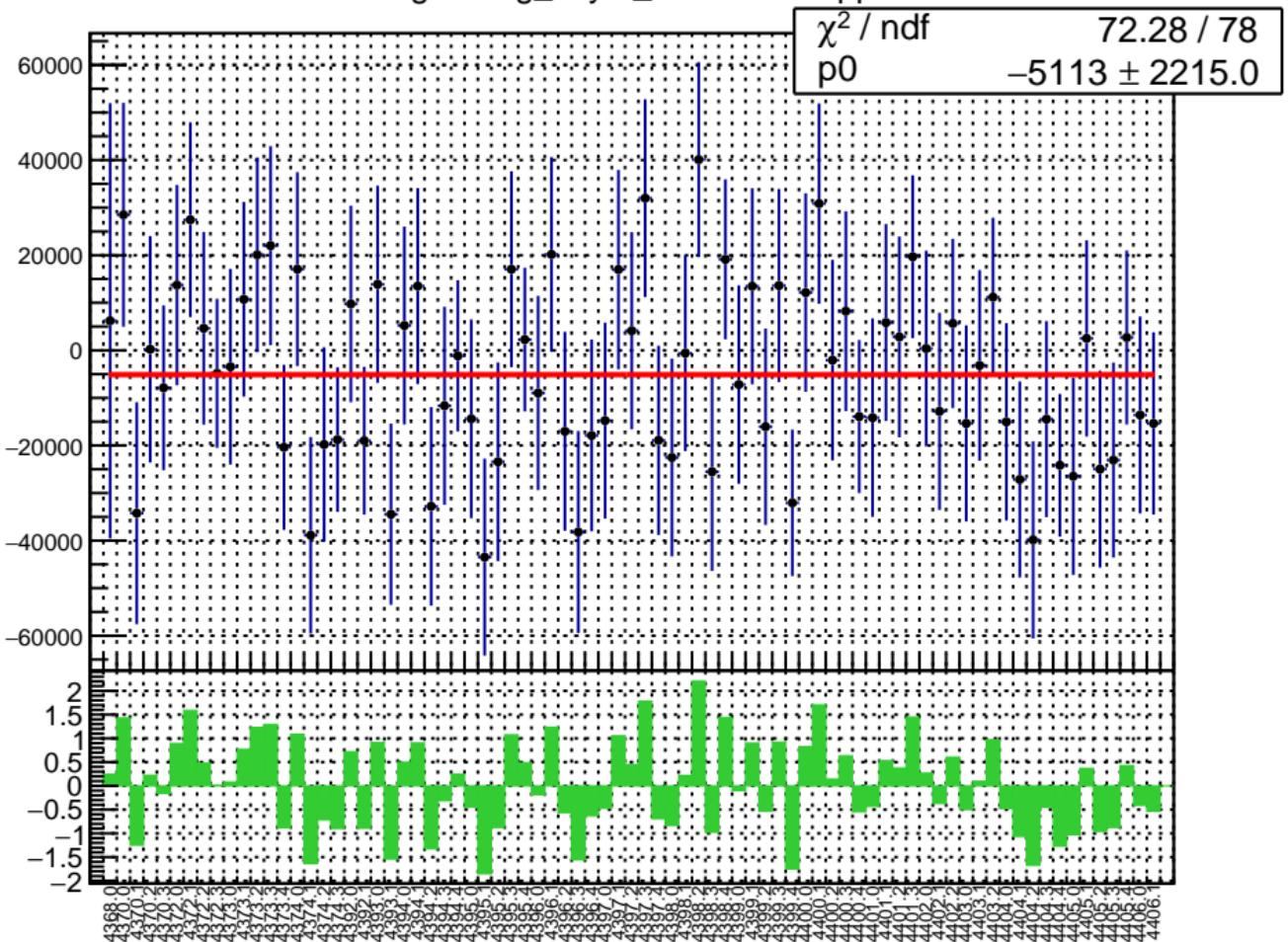
slug59: 1D Corr asym_sam1.mean/ppb-reg_asym_sam1.mean/ppb



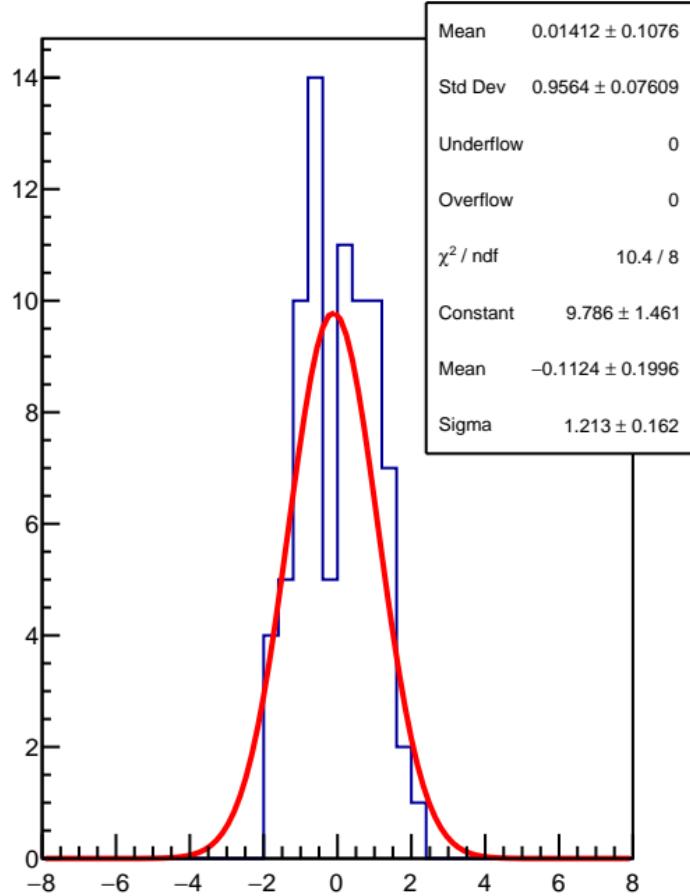
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slug59: reg_asym_sam2.mean/ppb

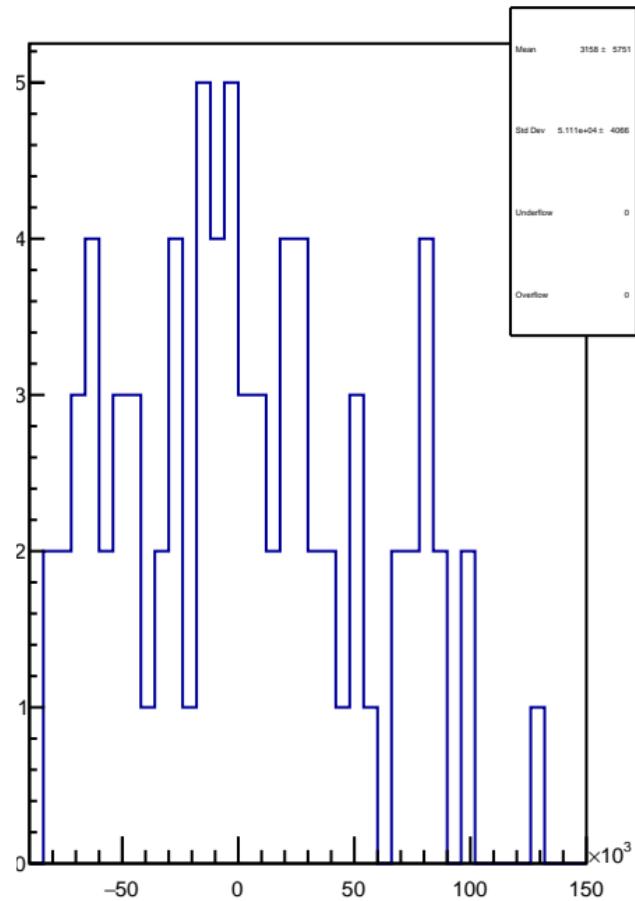
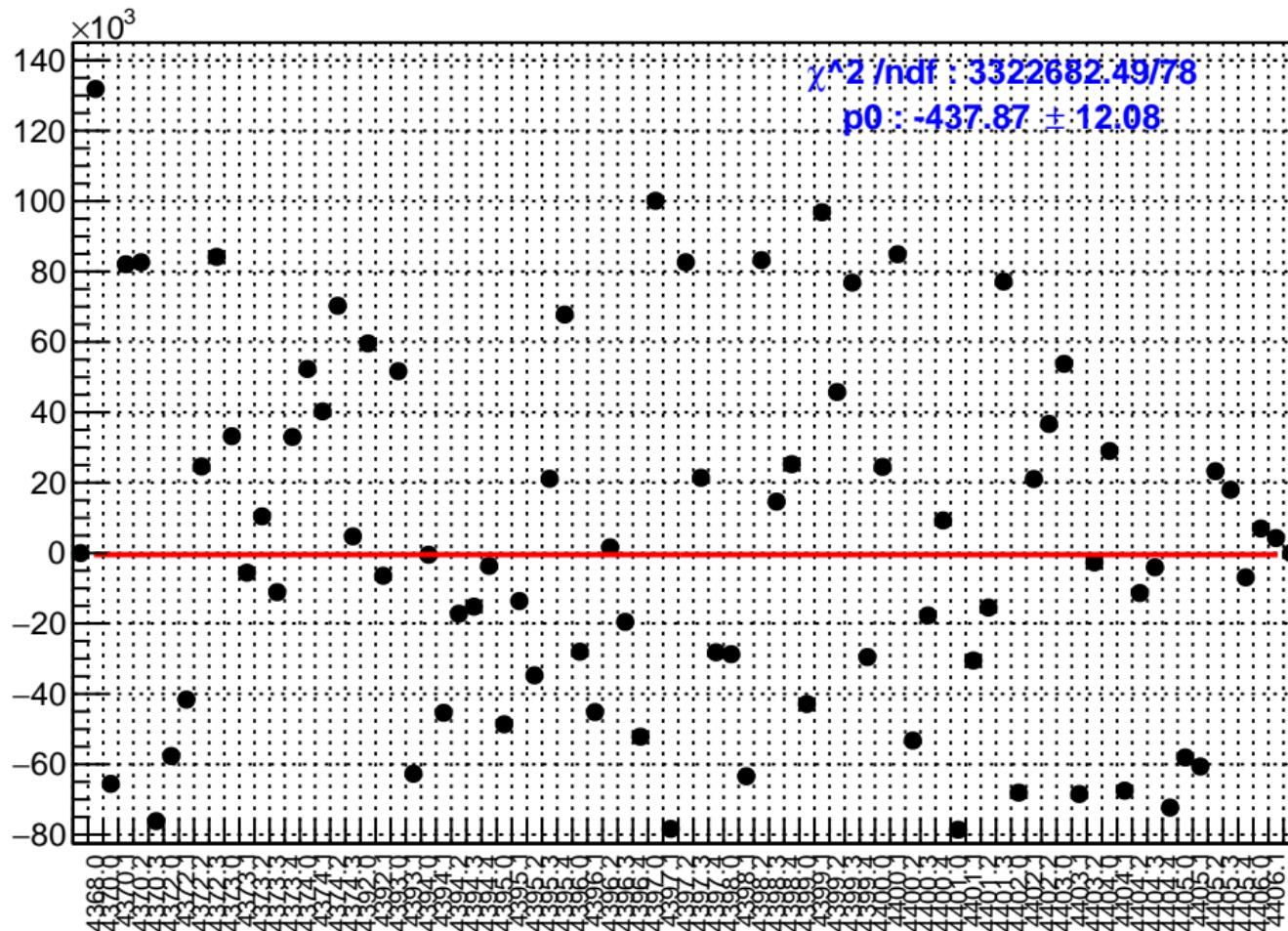


1D pull distribution

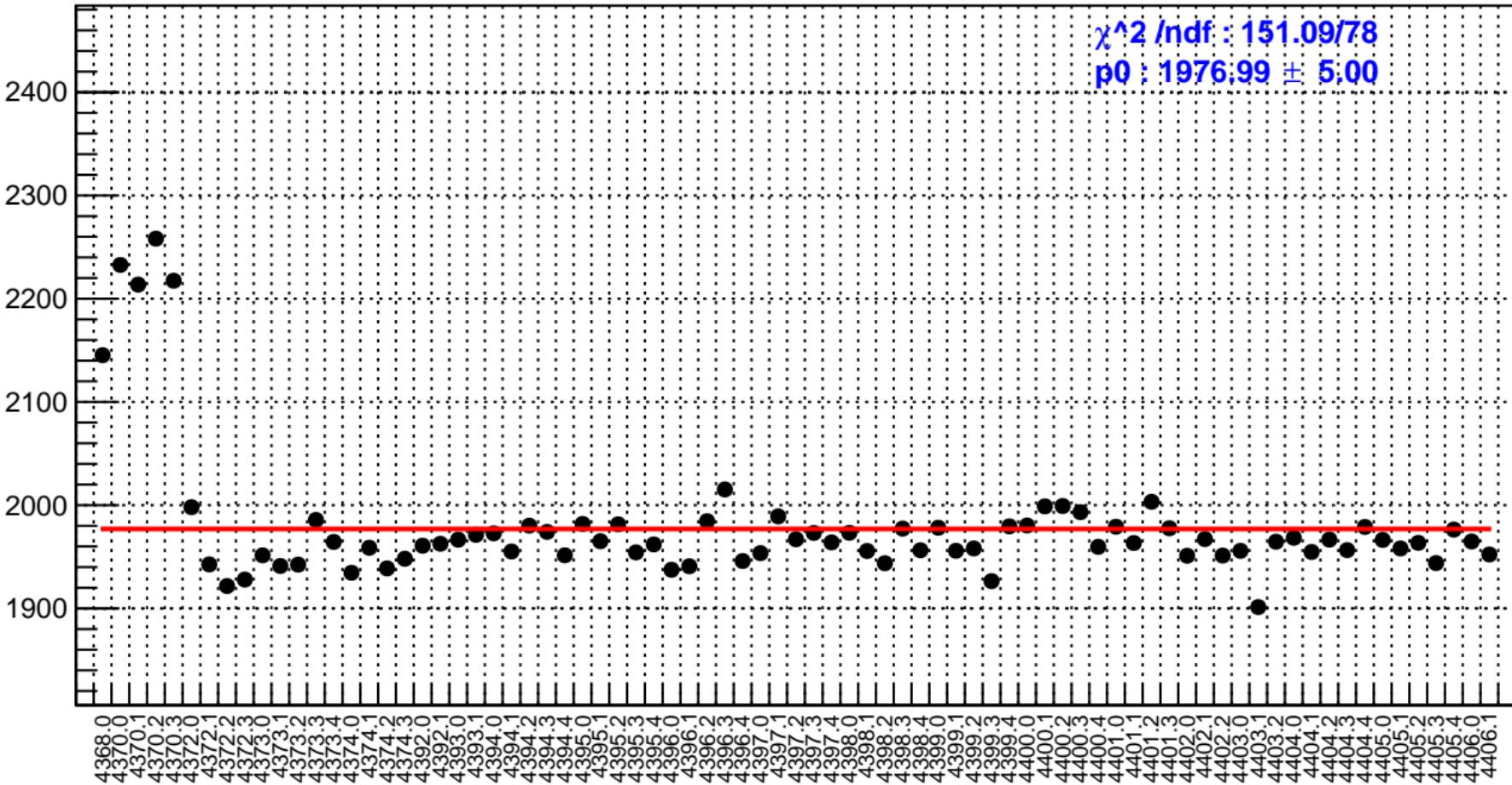


slug59: asym_sam2.mean/ppb-reg_asym_sam2.mean/ppb

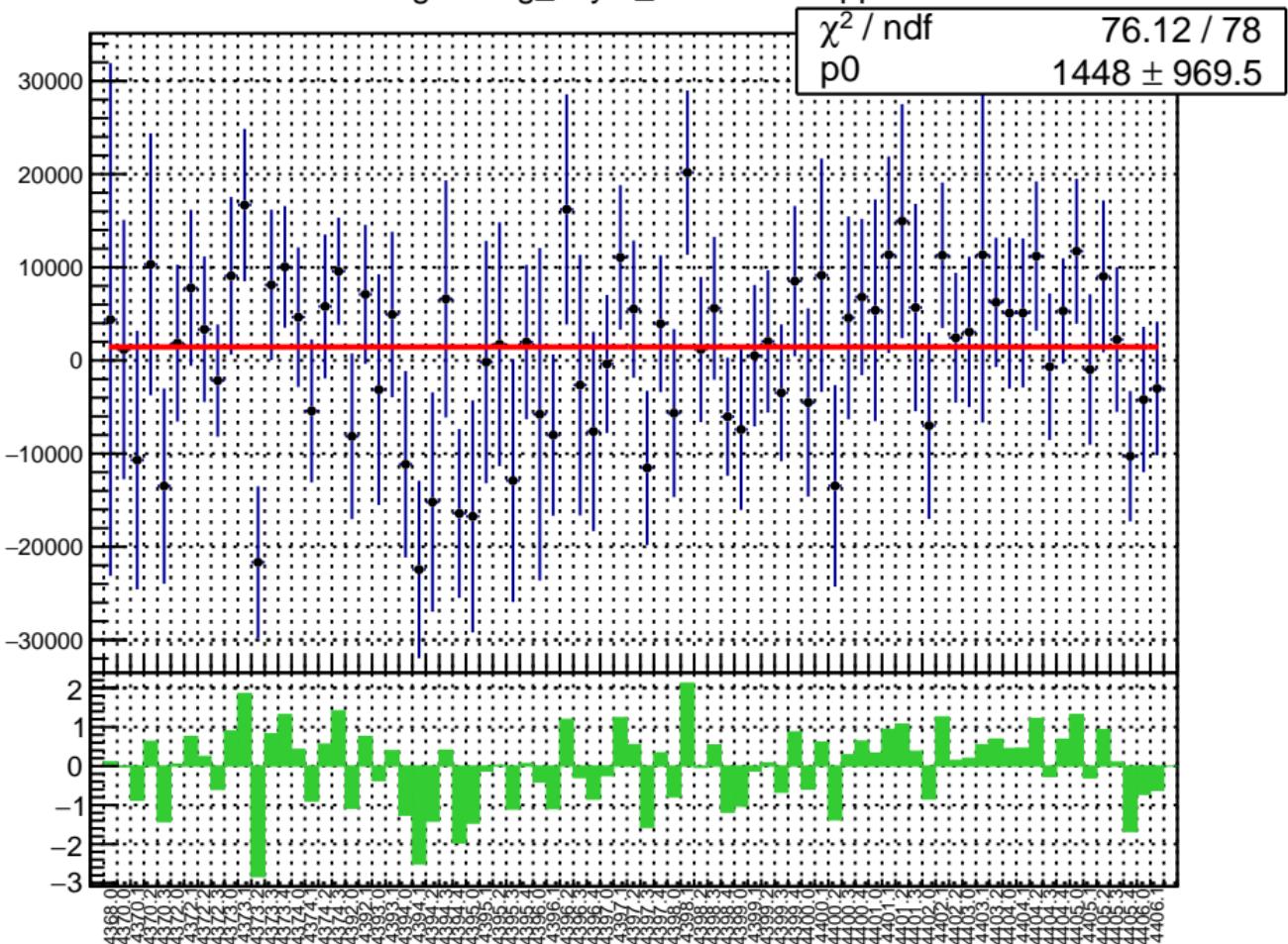
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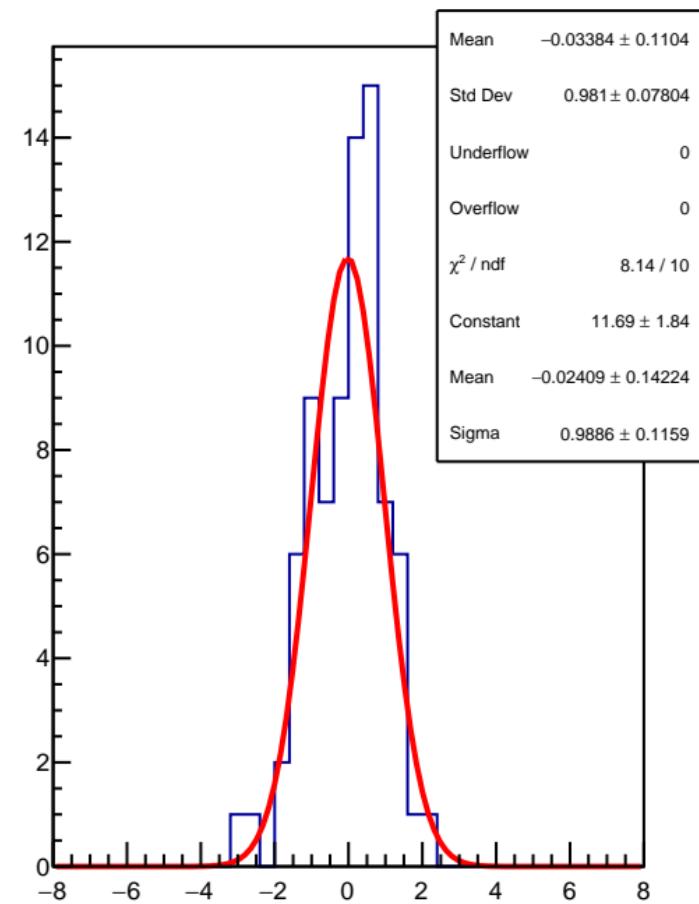
slug59: reg_asym_sam2.rms/ppm



slug59: reg_asym_sam3.mean/ppb

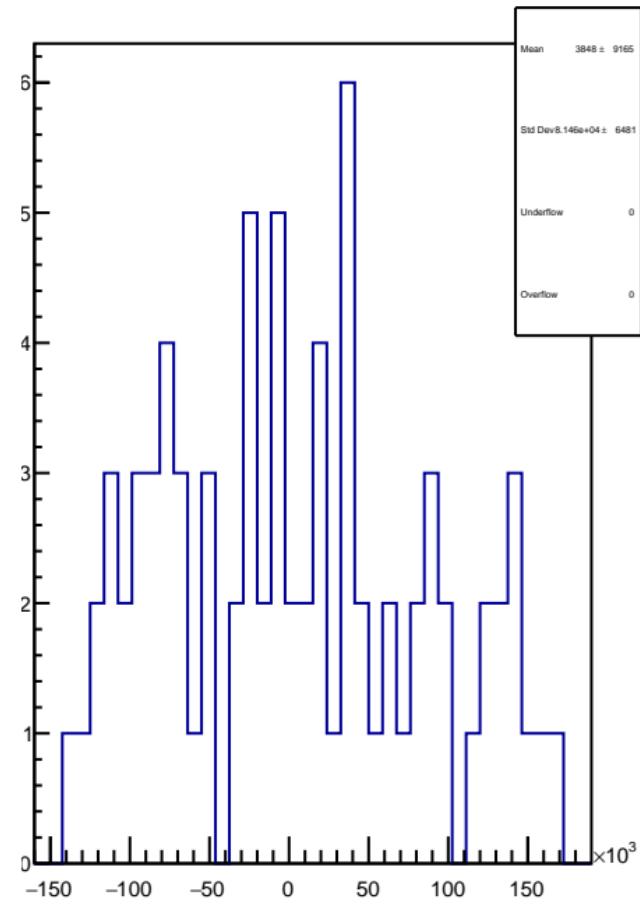
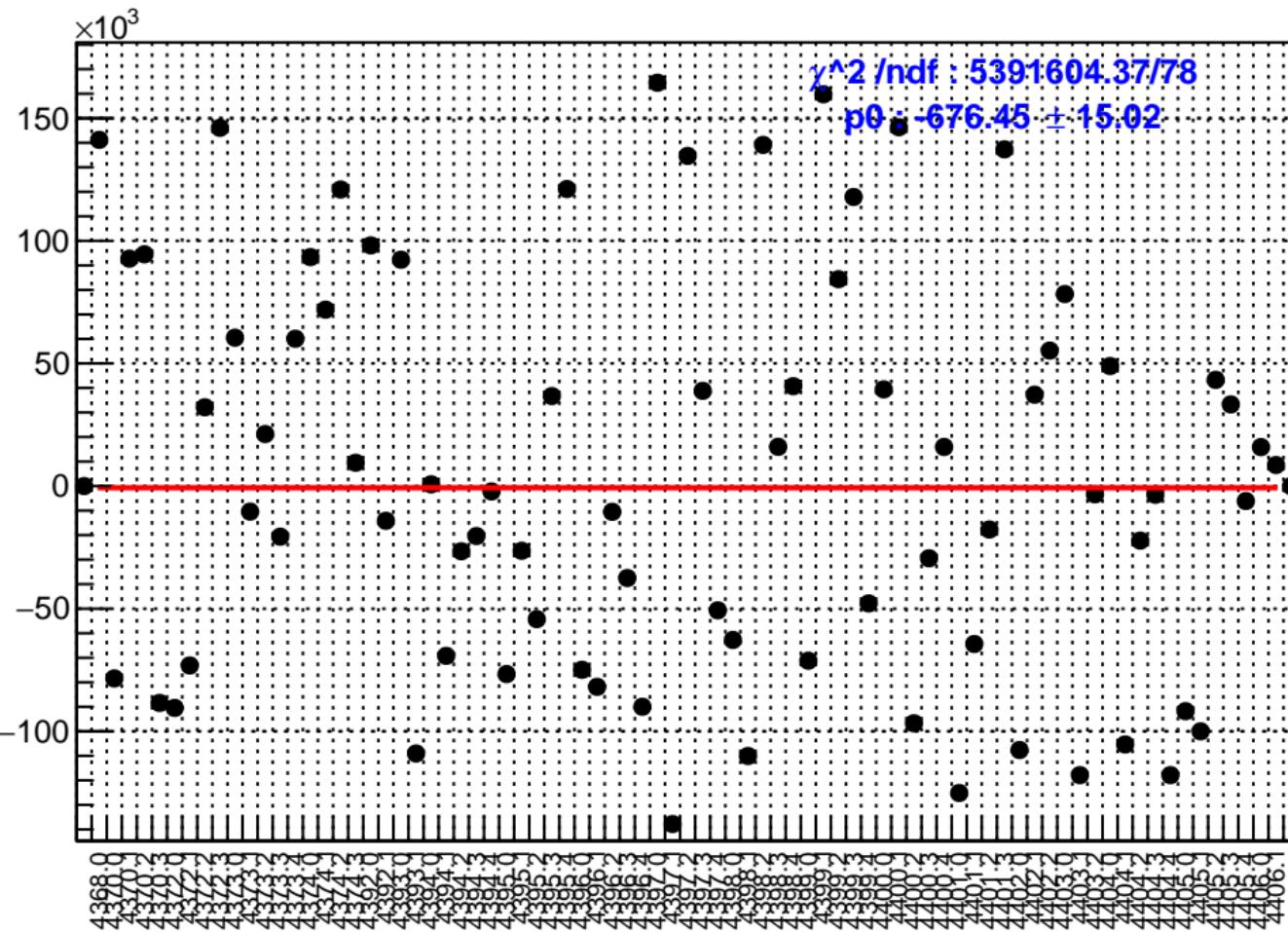


1D pull distribution

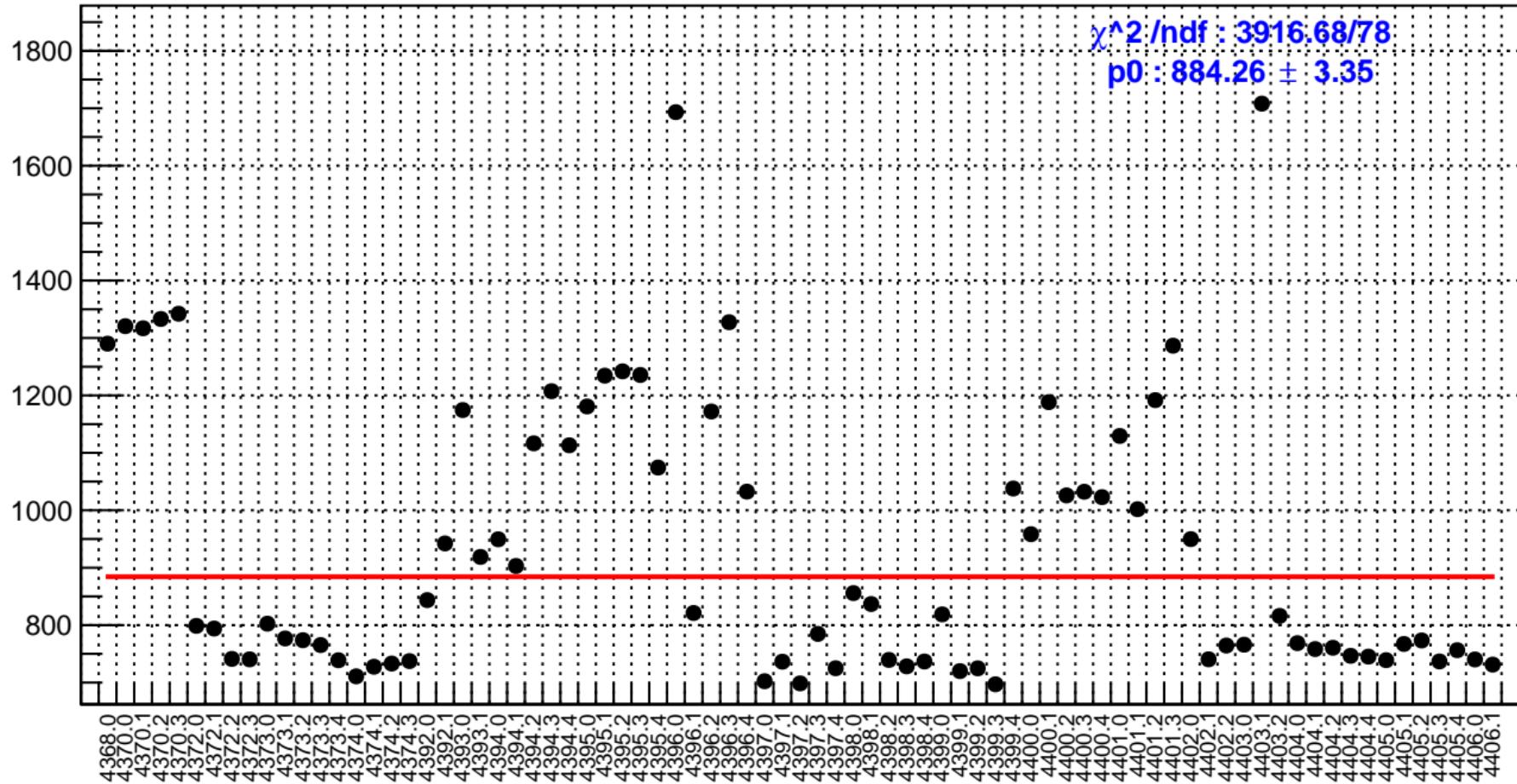


slug59: asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb

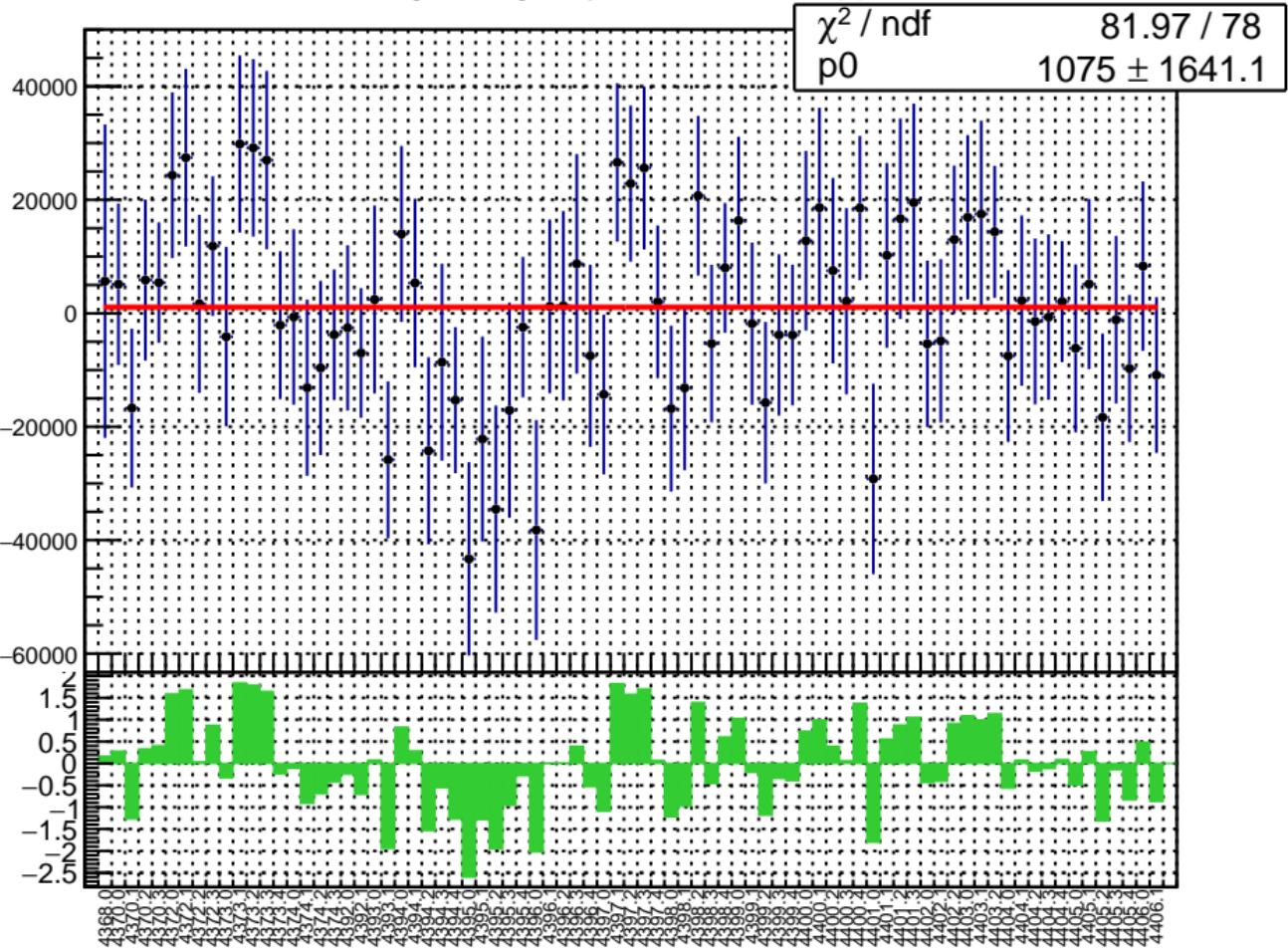
slug59: 1D Corr asym_sam3.mean/ppb-reg_asym_sam3.mean/ppb



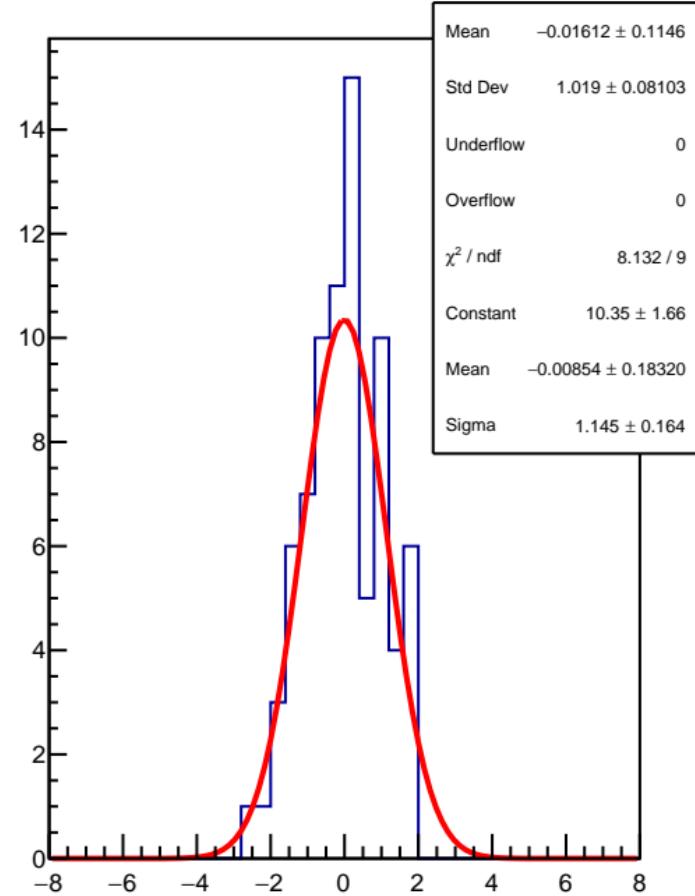
slug59: reg_asym_sam3.rms/ppm



slug59: reg_asym_sam4.mean/ppb

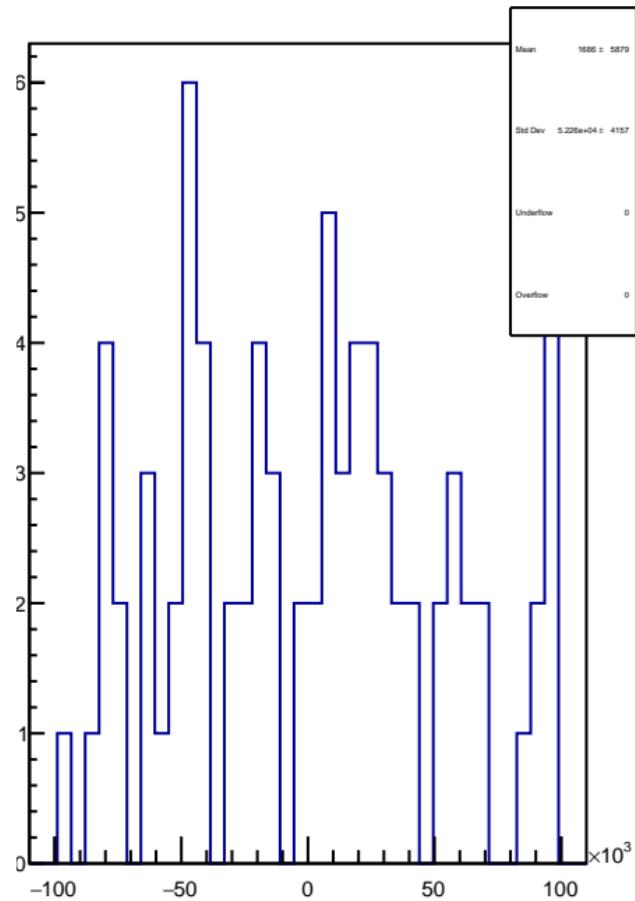
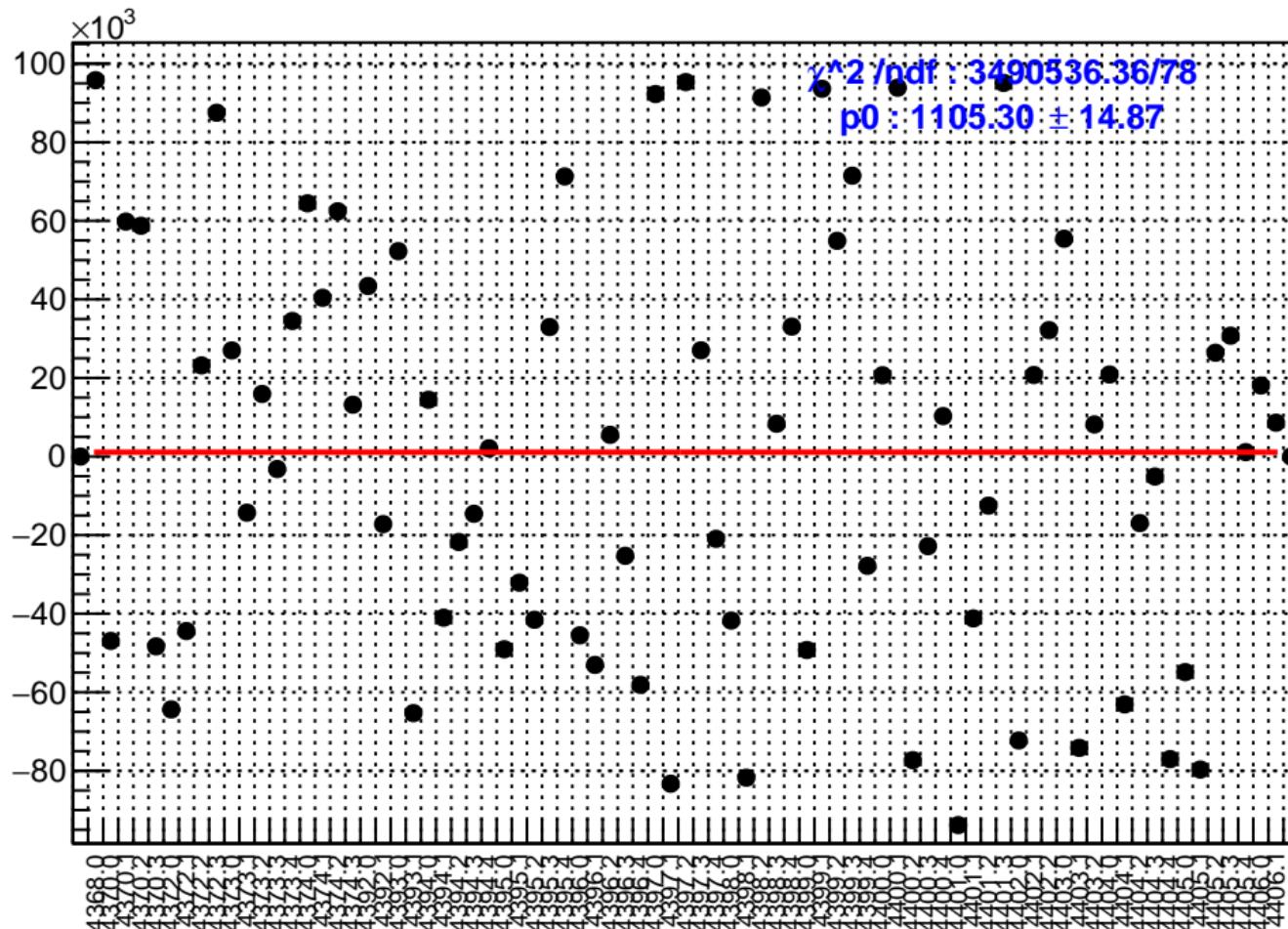


1D pull distribution

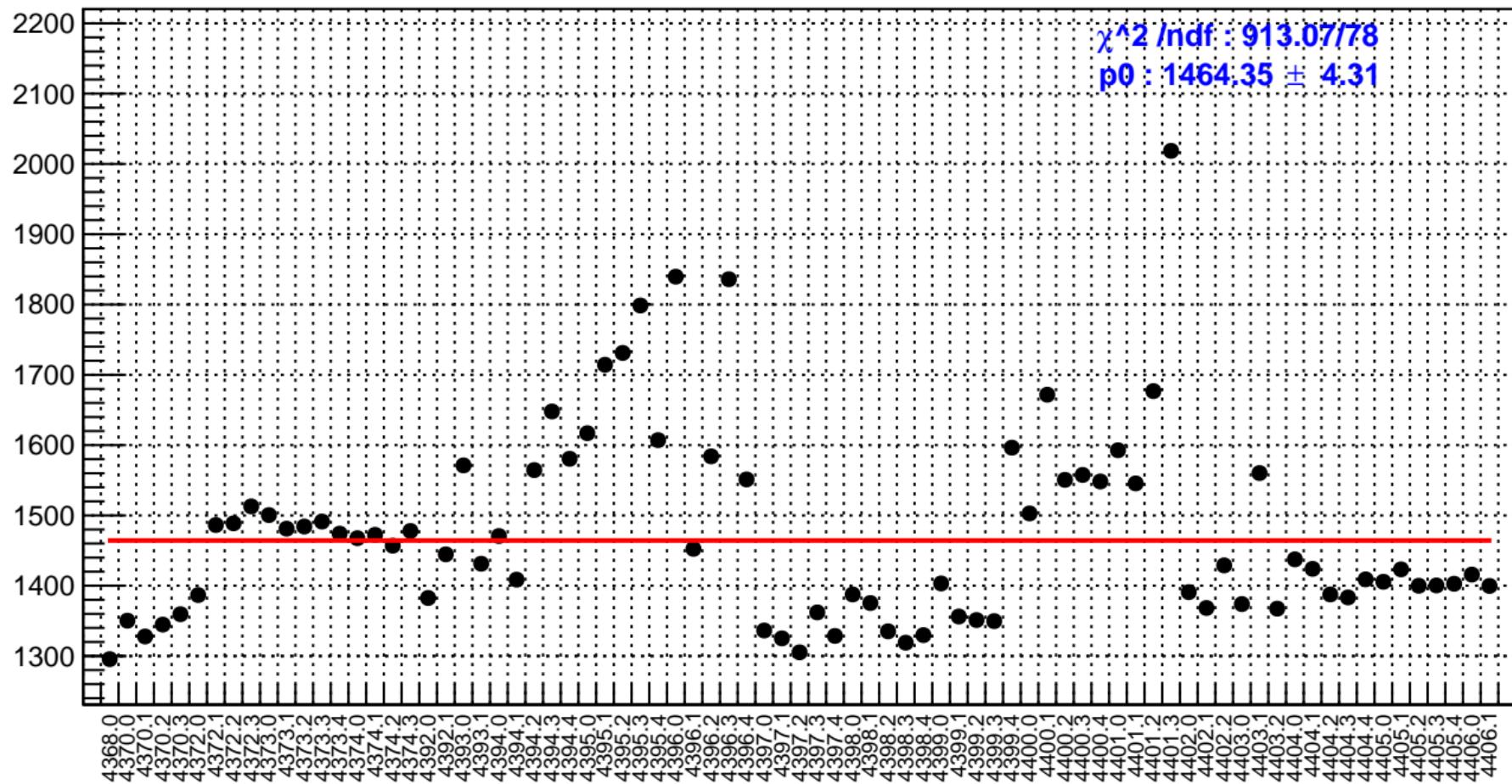


slug59: asym_sam4.mean/ppb-reg_asym_sam4.mean/ppb

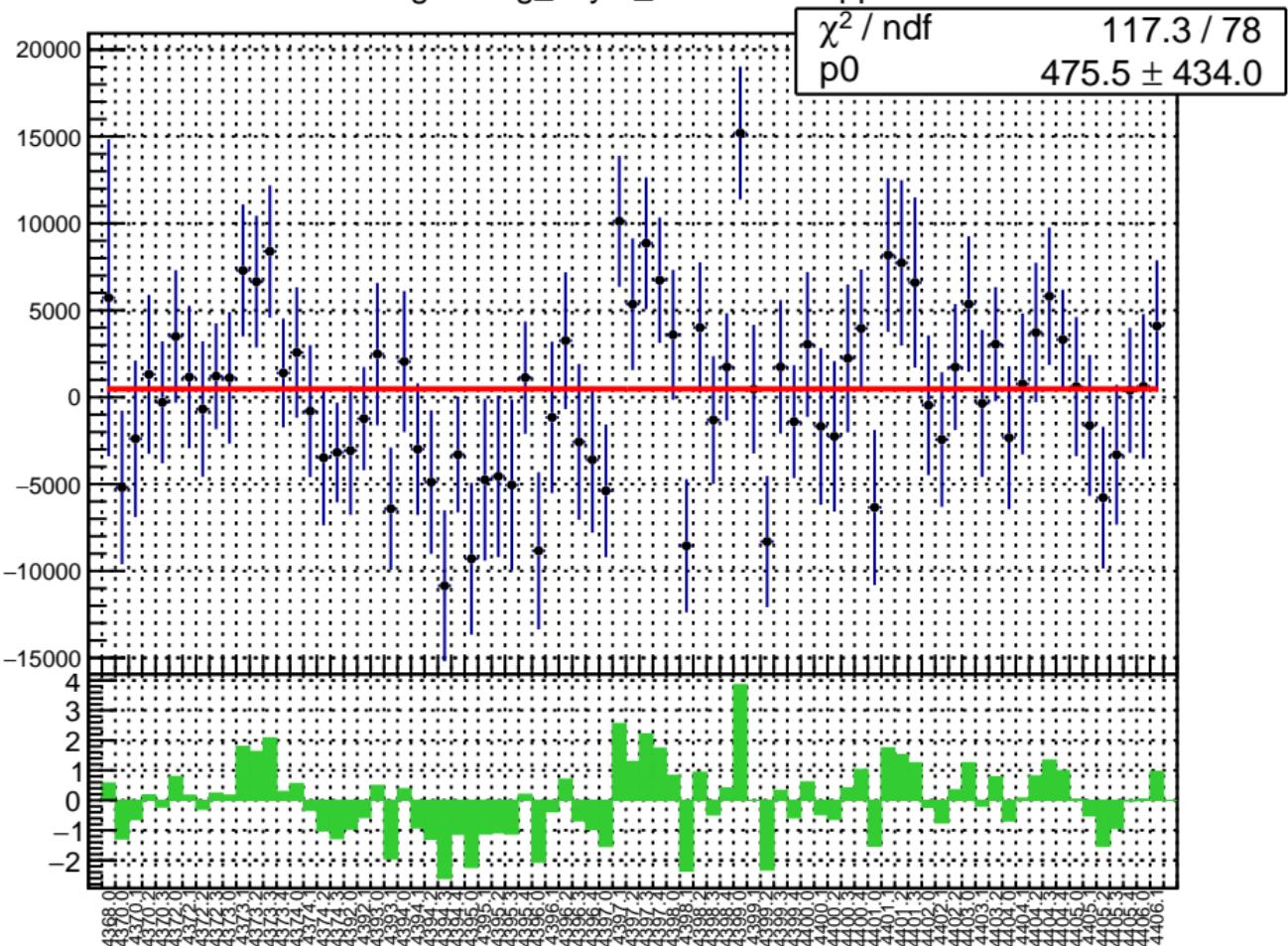
slug59: 1D Corr asym_sam4.mean/ppb-reg_asym_sam4.mean/ppb



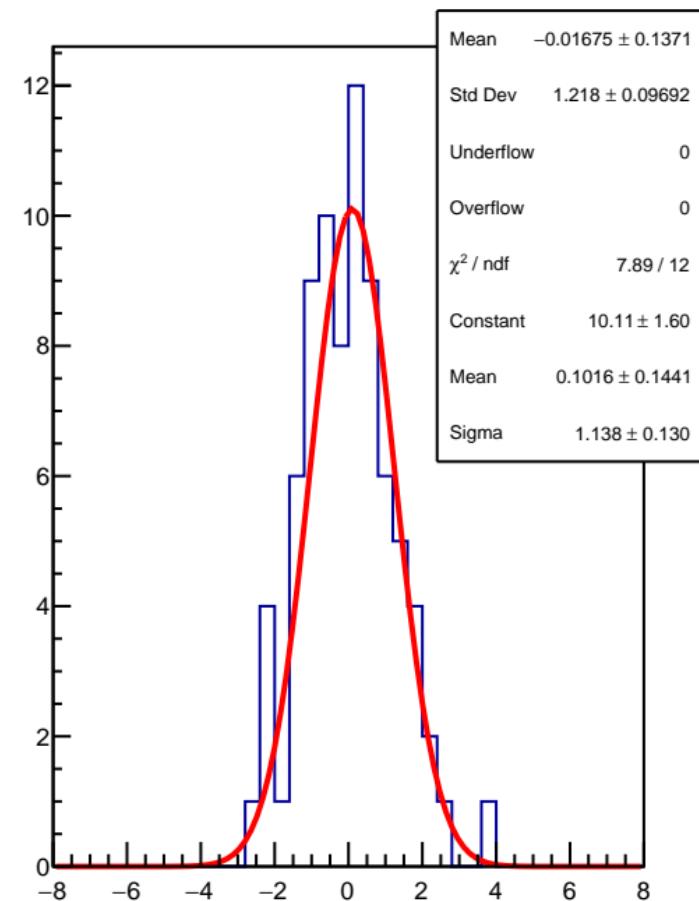
slug59: reg_asym_sam4.rms/ppm



slug59: reg_asym_sam5.mean/ppb

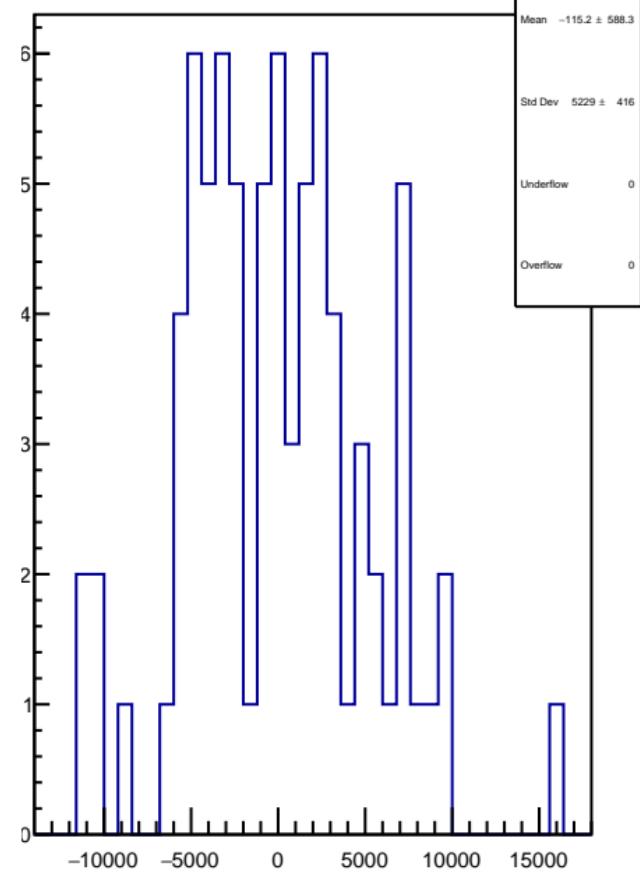
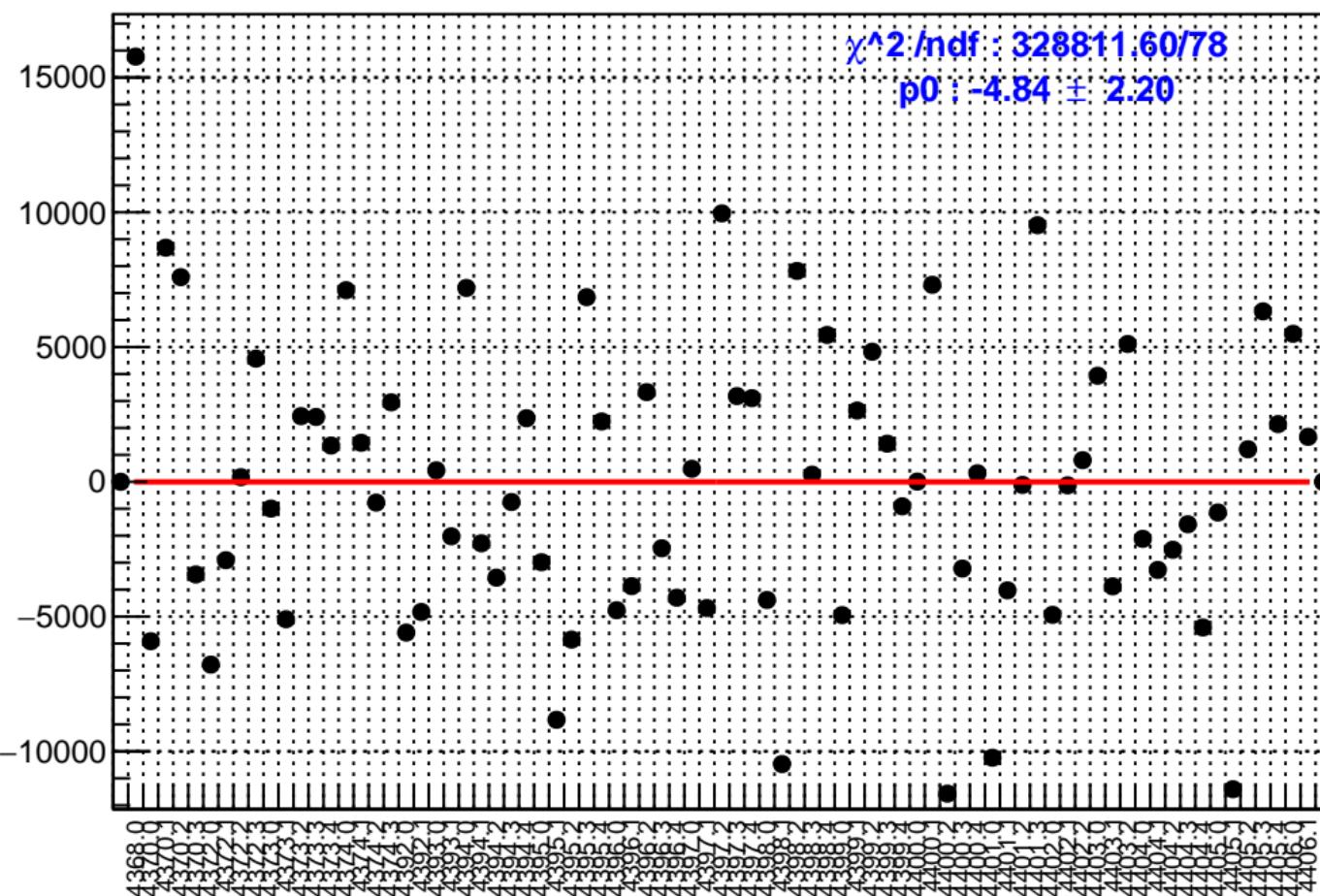


1D pull distribution

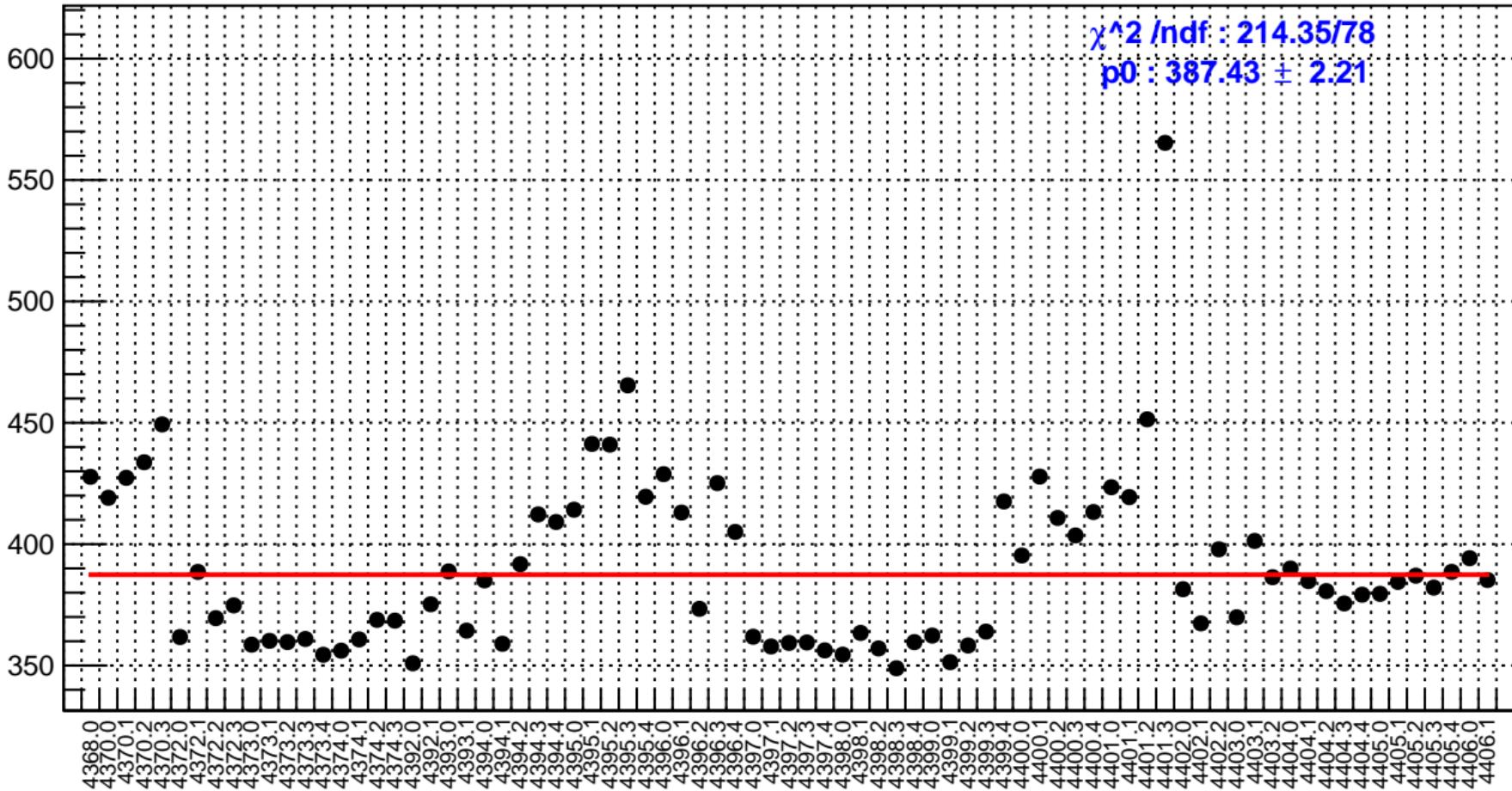


slug59: asym_sam5.mean/ppb-reg_asym_sam5.mean/ppb

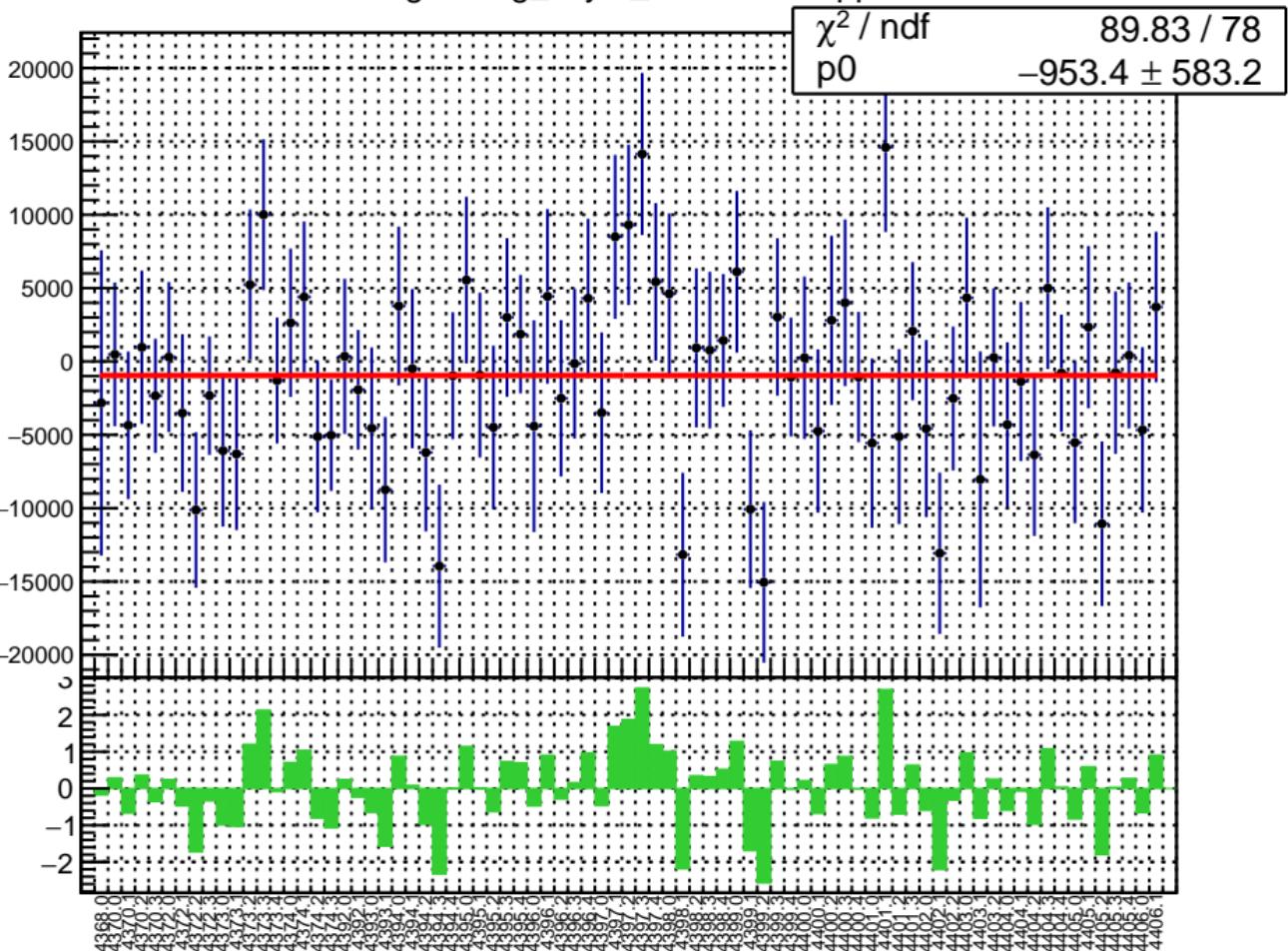
slug59: 1D Corr asym_sam5.mean/ppb-reg_asym_sam5.mean/ppb



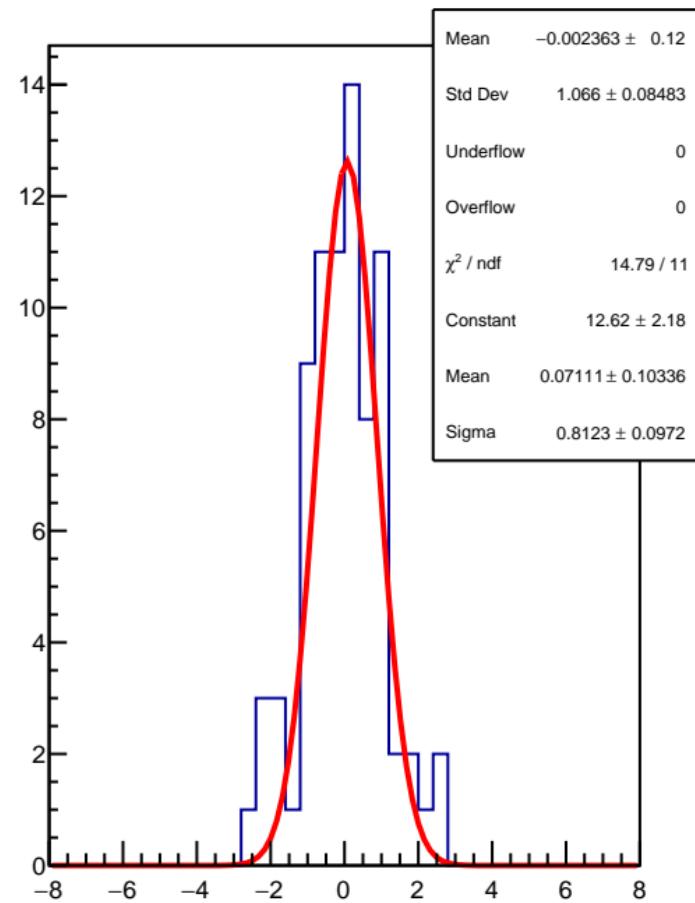
slug59: reg_asym_sam5.rms/ppm



slug59: reg_asym_sam6.mean/ppb

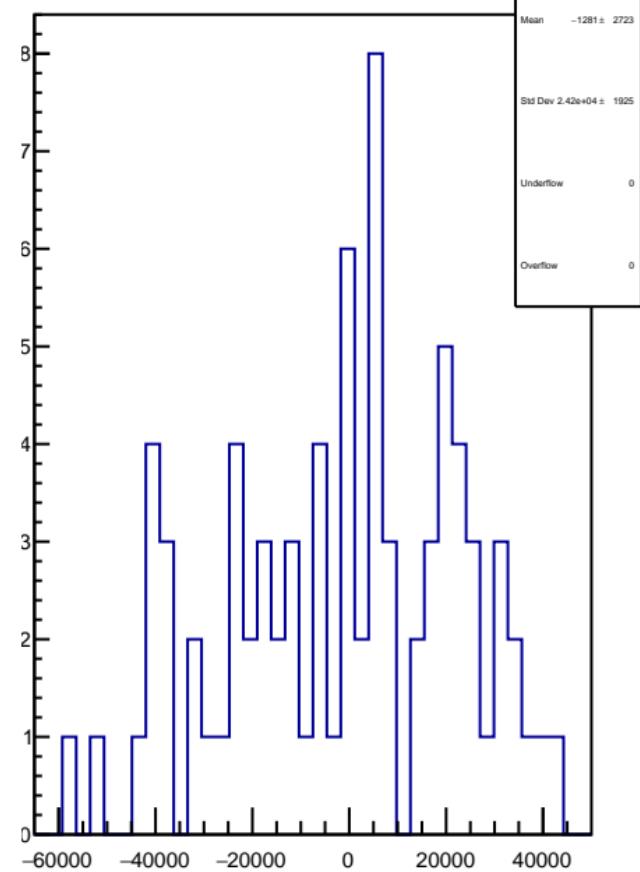
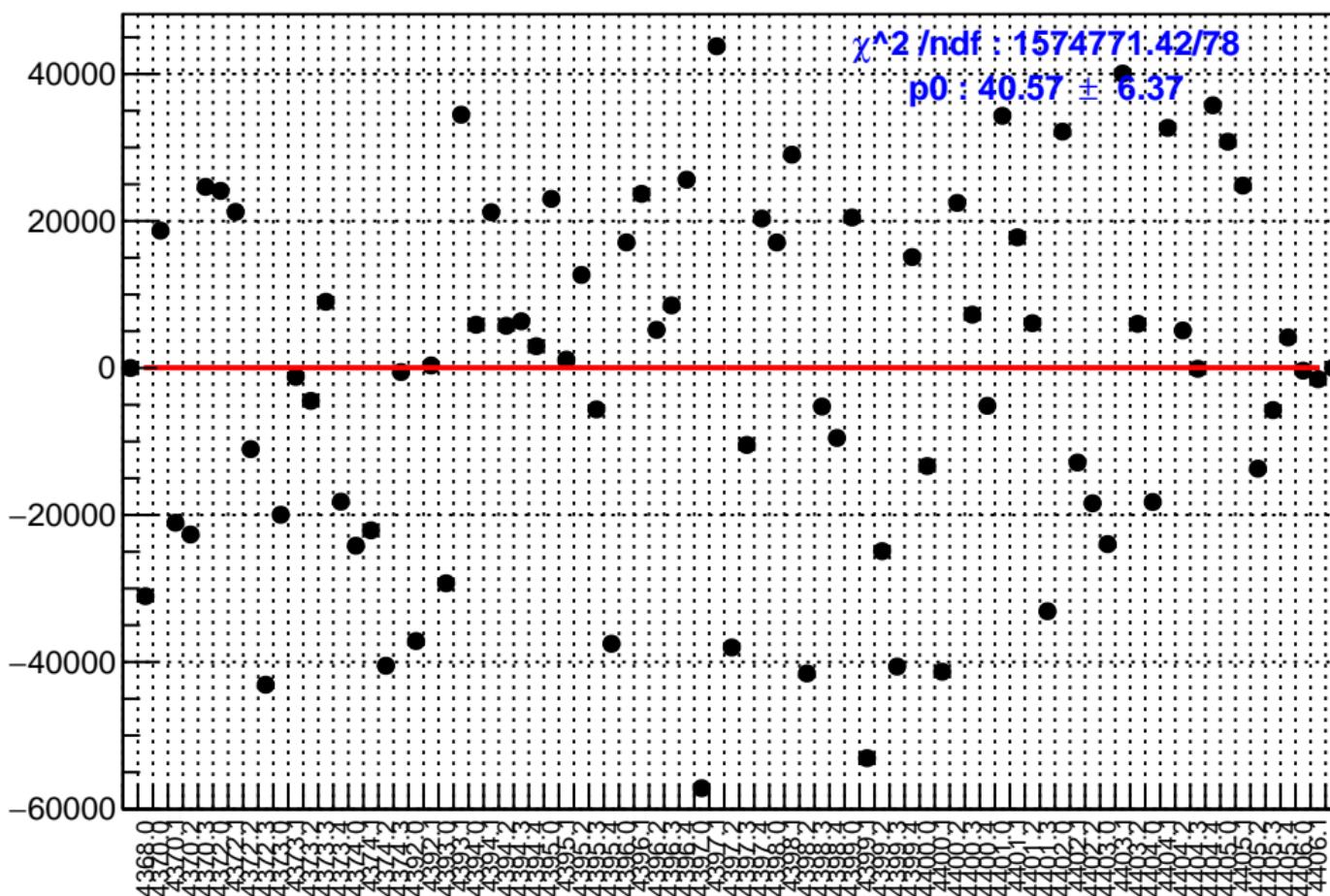


1D pull distribution

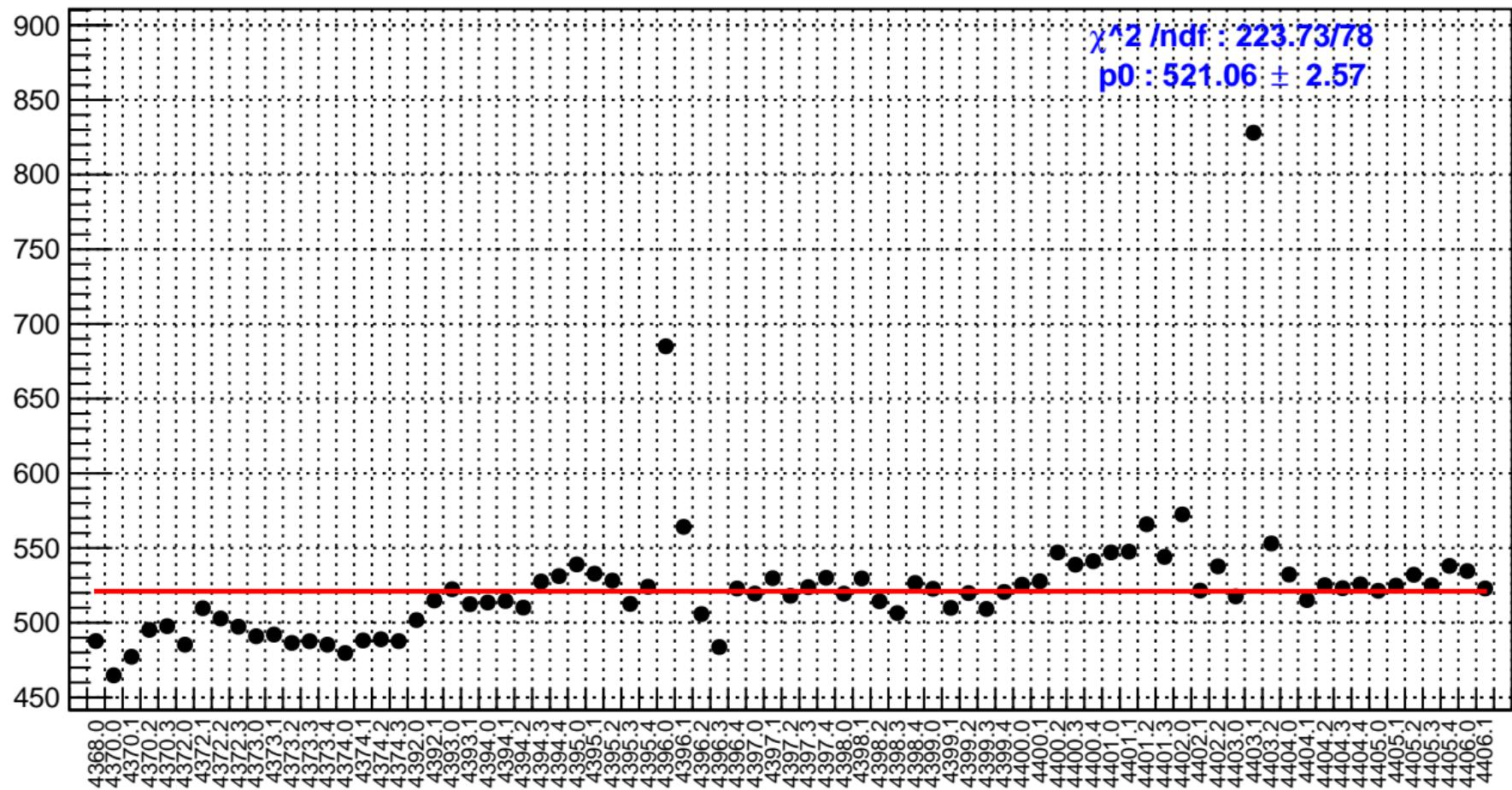


slug59: asym_sam6.mean/ppb-reg_asym_sam6.mean/ppb

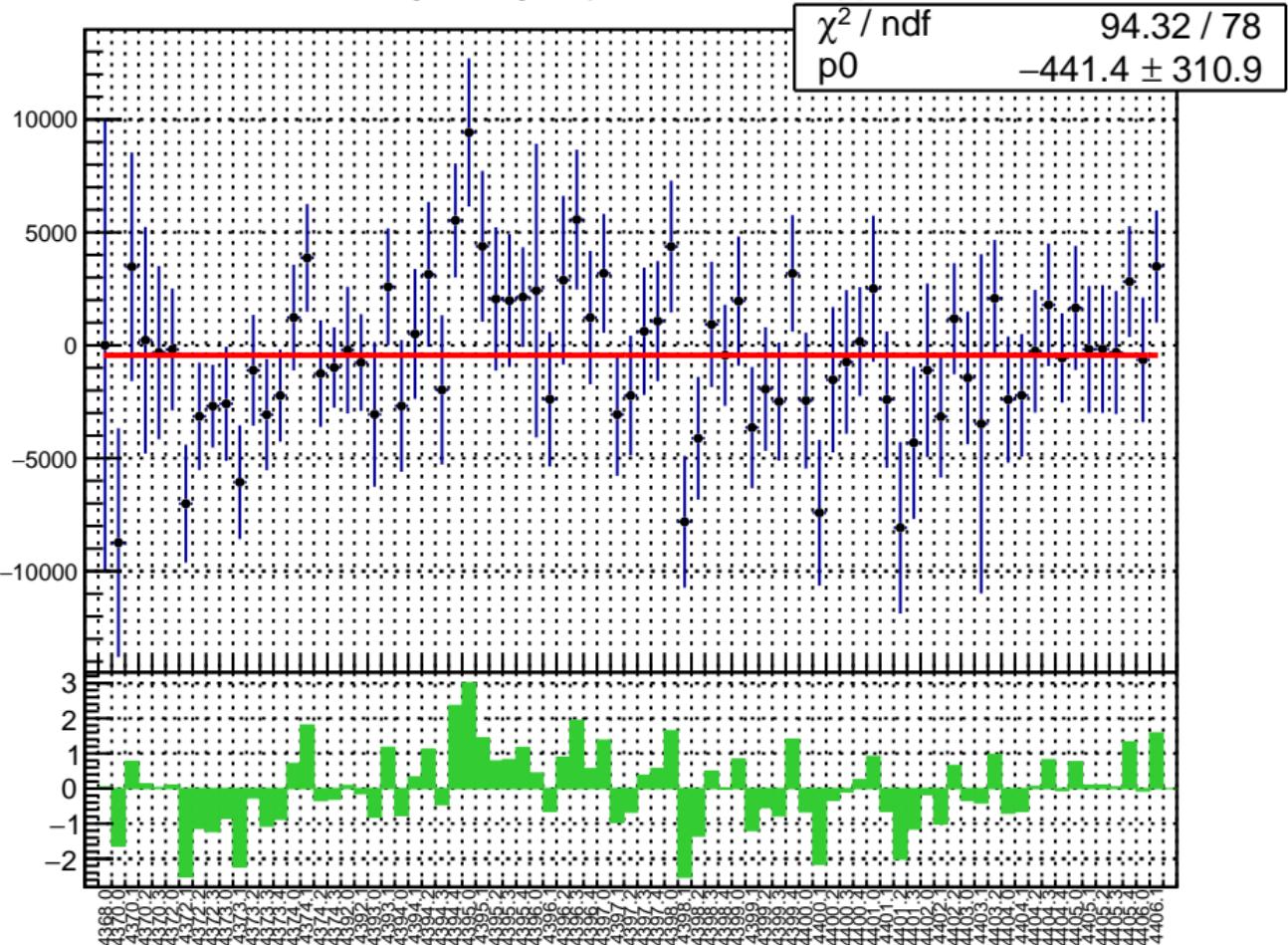
slug59: 1D Corr asym_sam6.mean/ppb-reg_asym_sam6.mean/ppb



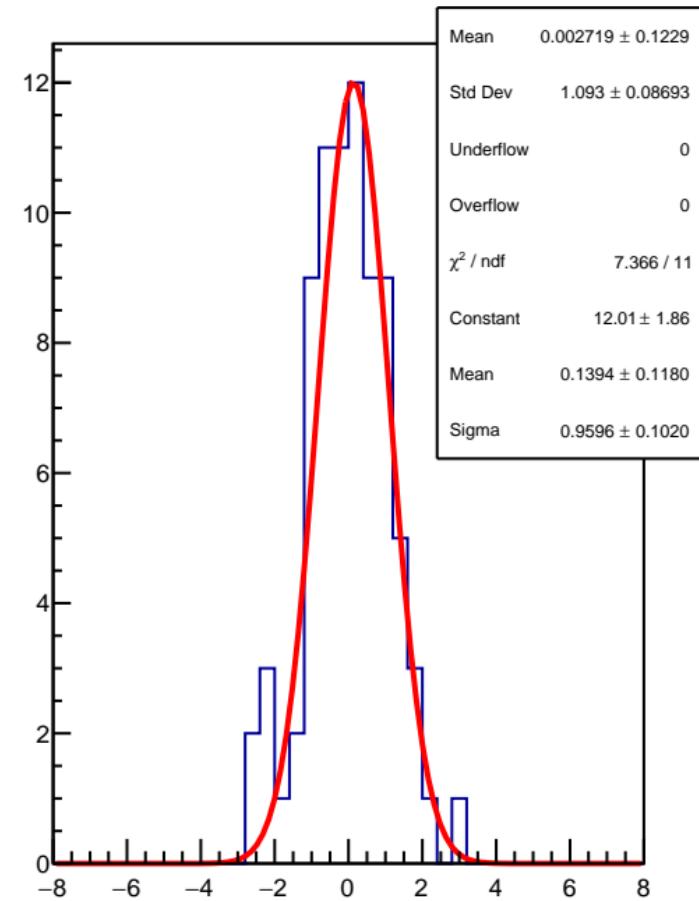
slug59: reg_asym_sam6.rms/ppm



slug59: reg_asym_sam7.mean/ppb

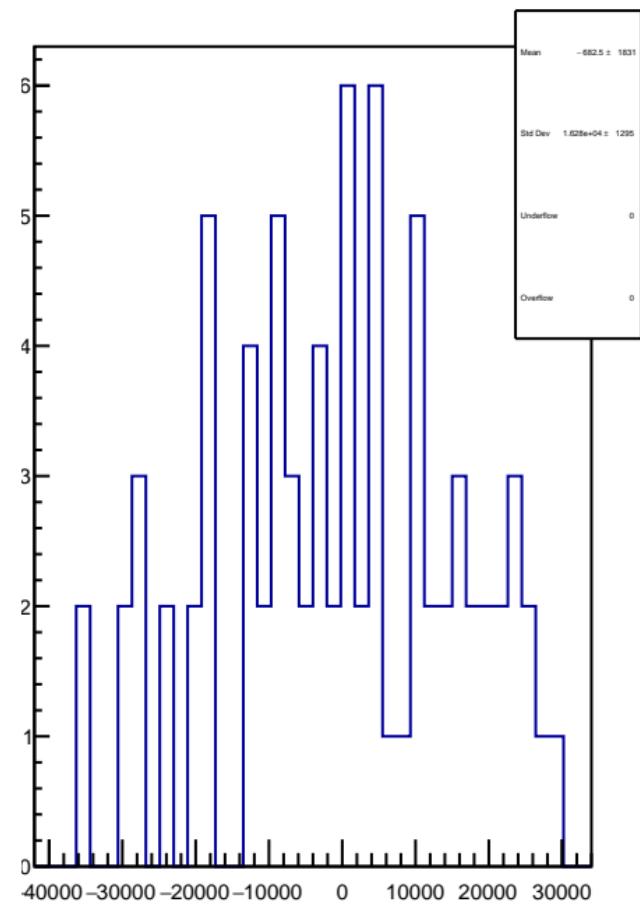
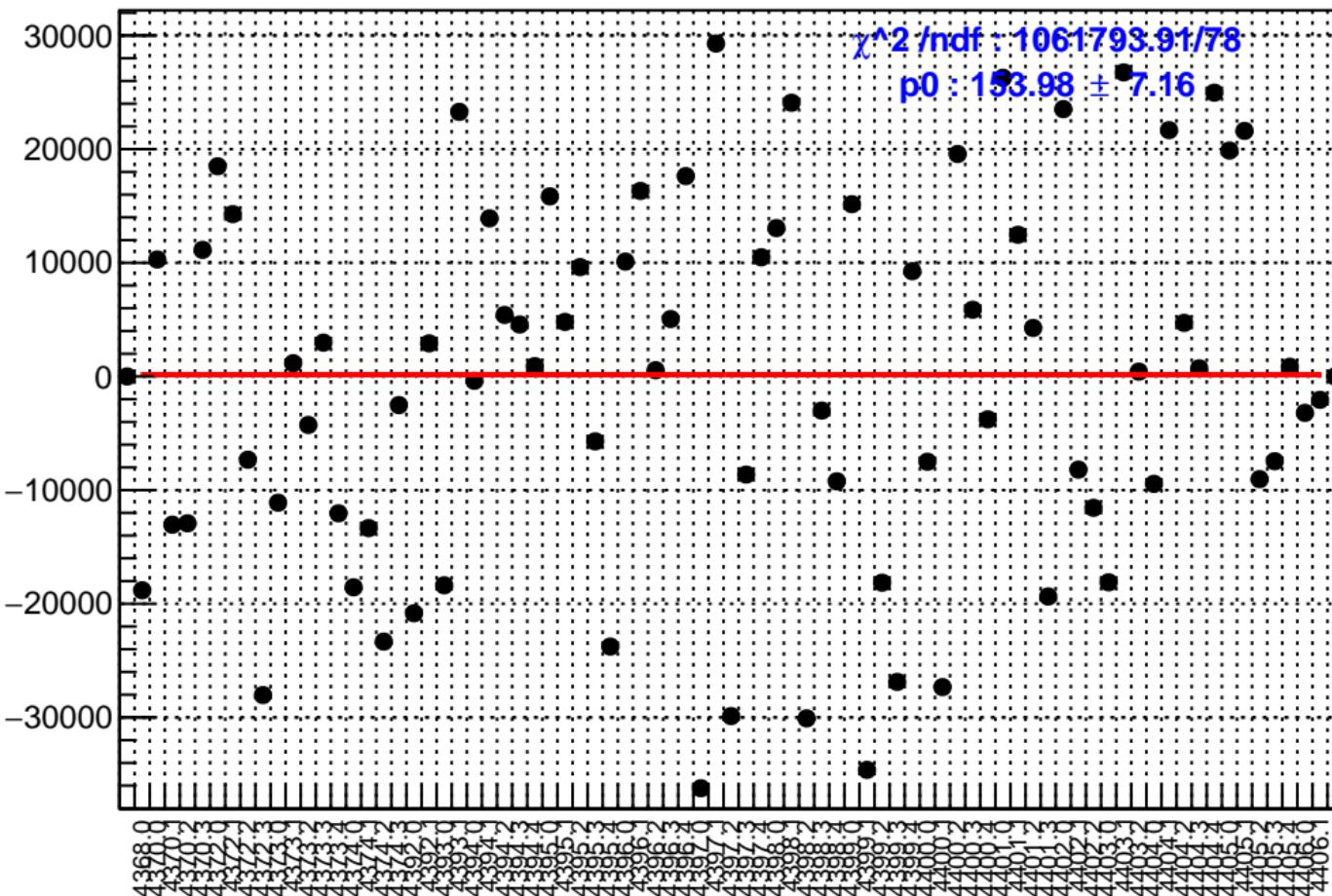


1D pull distribution

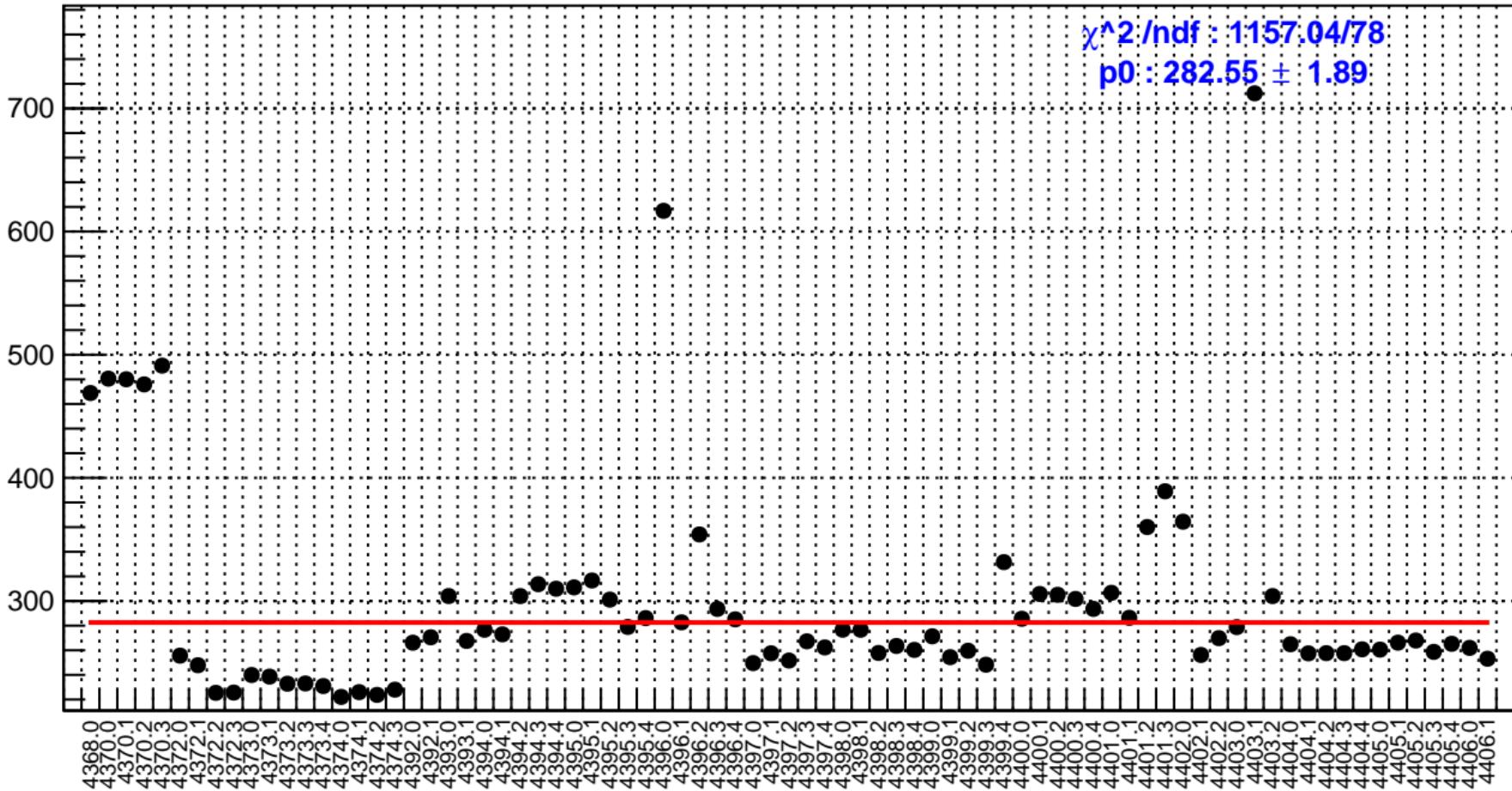


slug59: asym_sam7.mean/ppb-reg_asym_sam7.mean/ppb

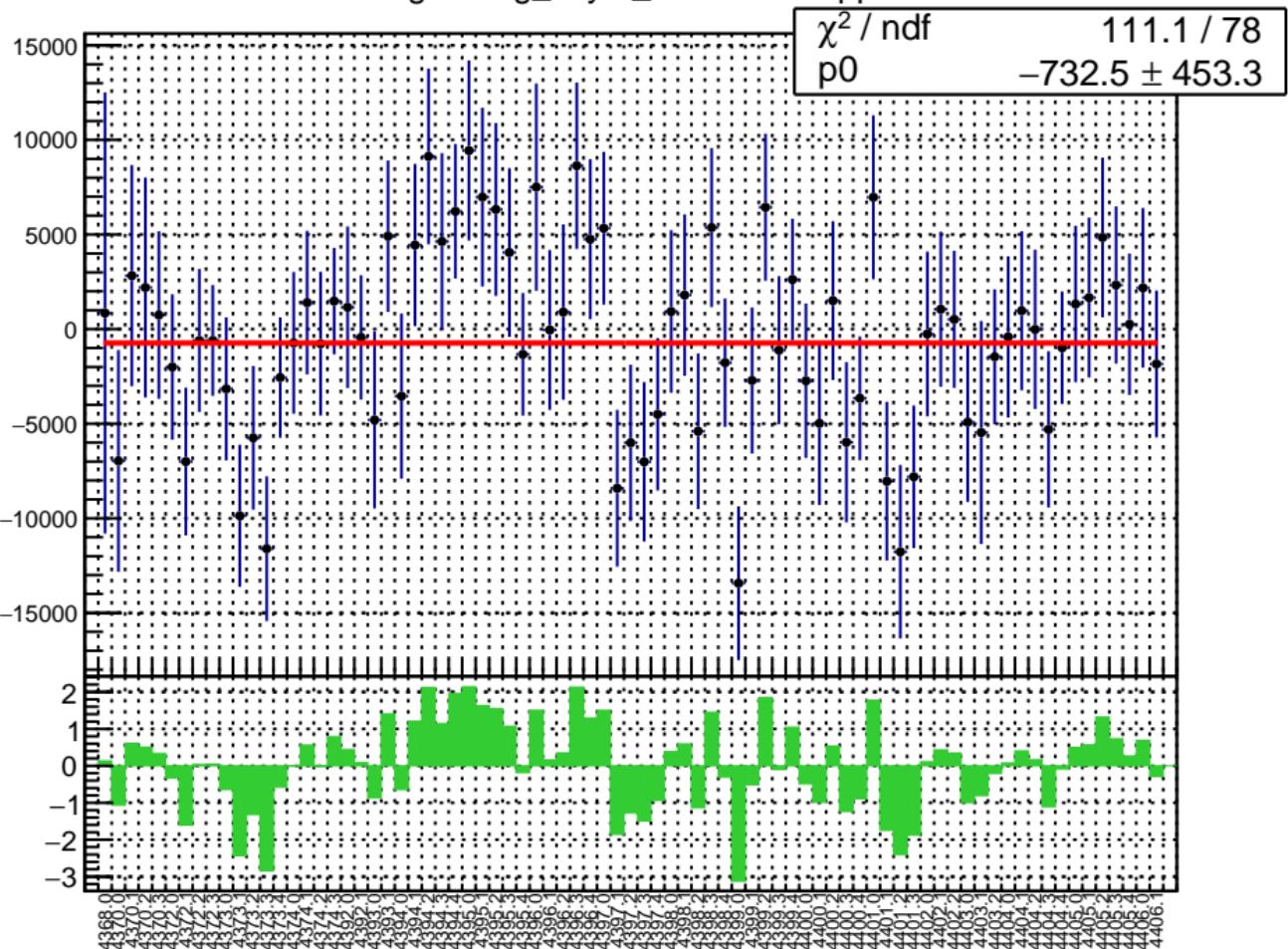
slug59: 1D Corr asym_sam7.mean/ppb-reg_asym_sam7.mean/ppb



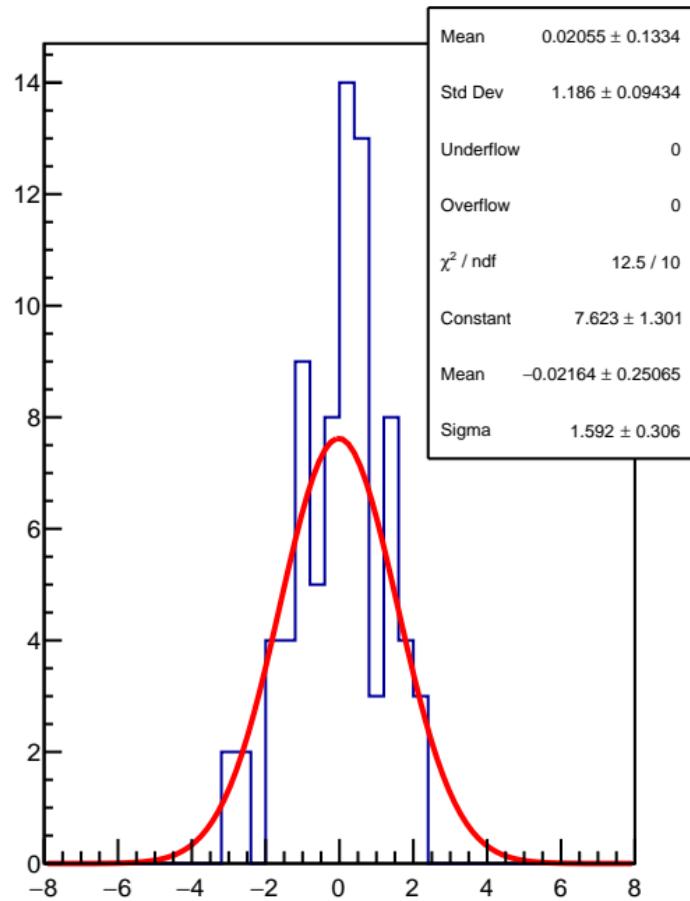
slug59: reg_asym_sam7.rms/ppm



slug59: reg_asym_sam8.mean/ppb

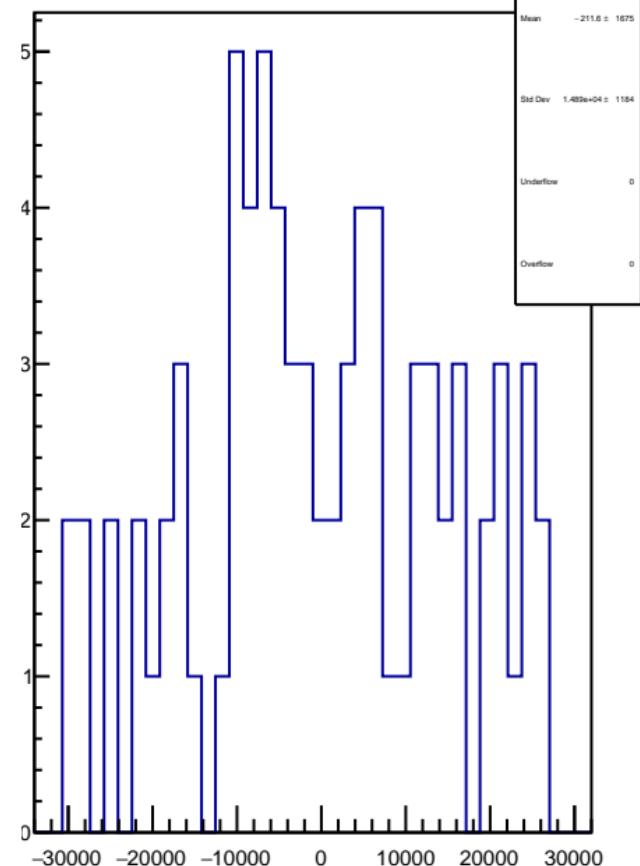
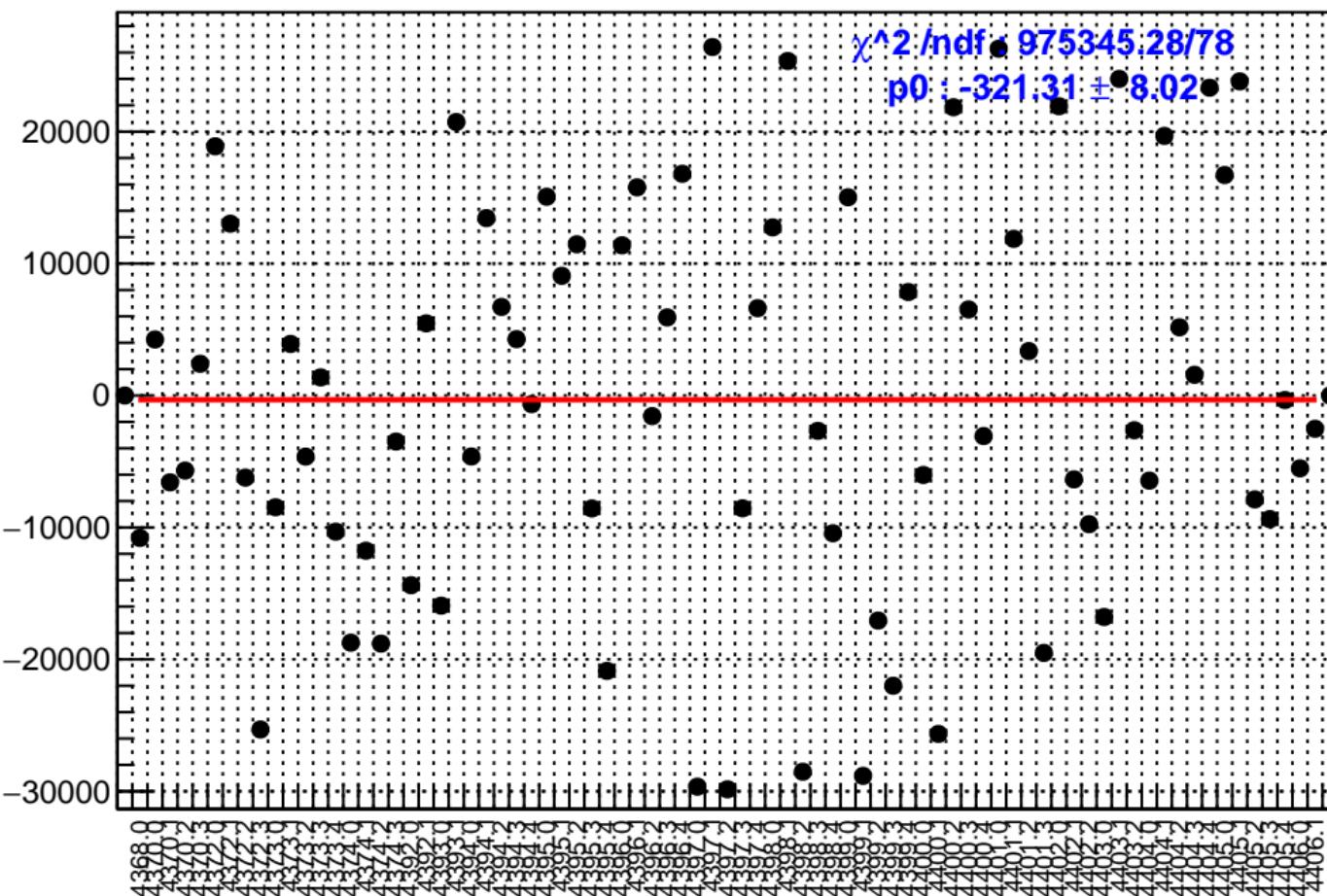


1D pull distribution



slug59: asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb

slug59: 1D Corr asym_sam8.mean/ppb-reg_asym_sam8.mean/ppb



slug59: reg_asym_sam8.rms/ppm

