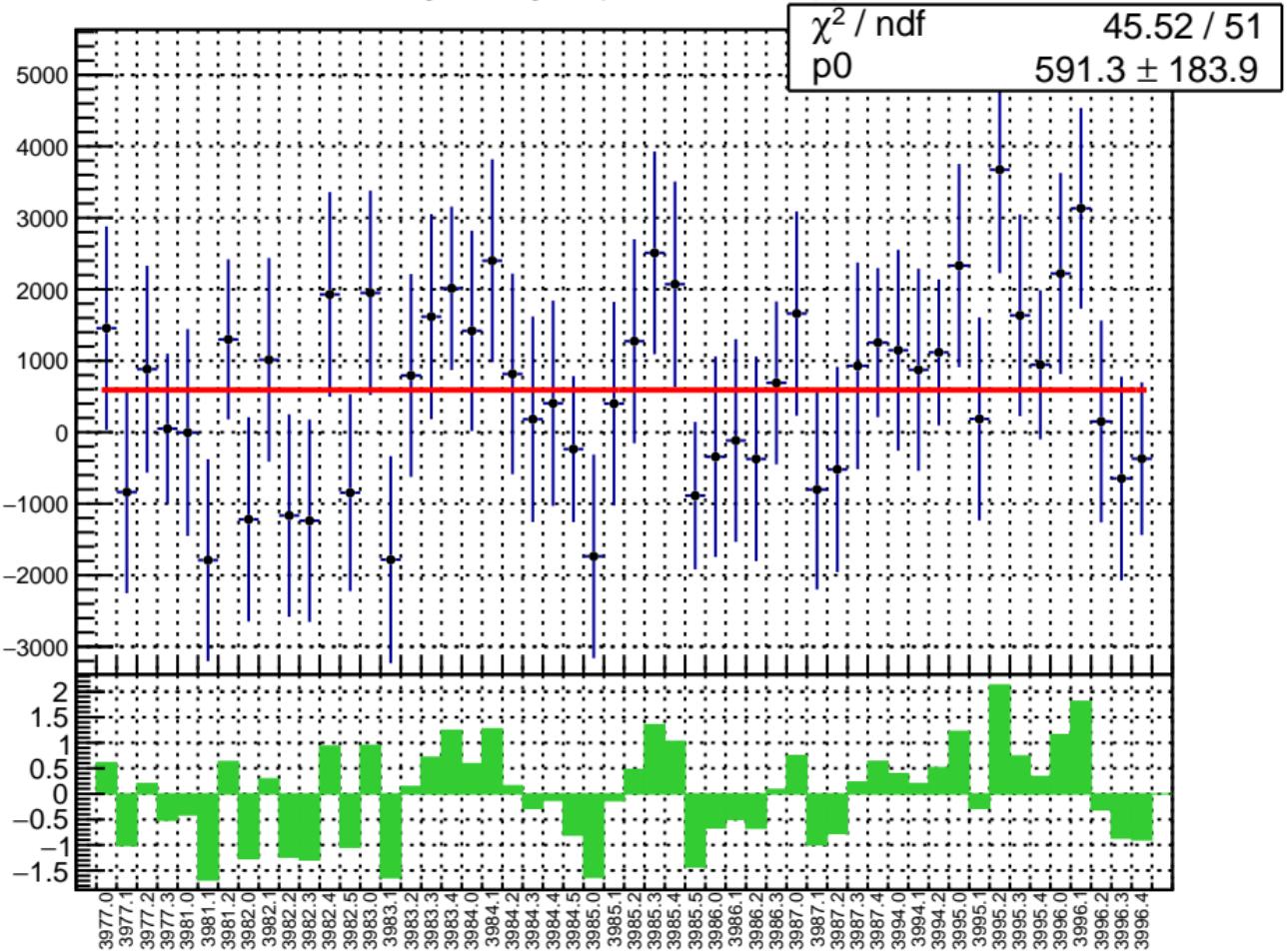
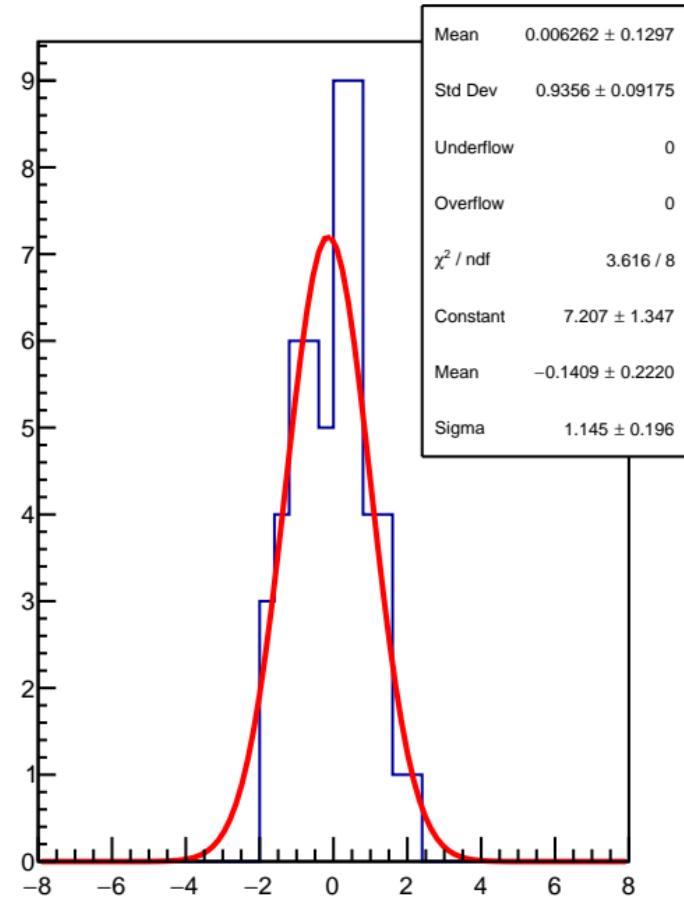


# slug37: reg\_asym\_usl.mean/ppb

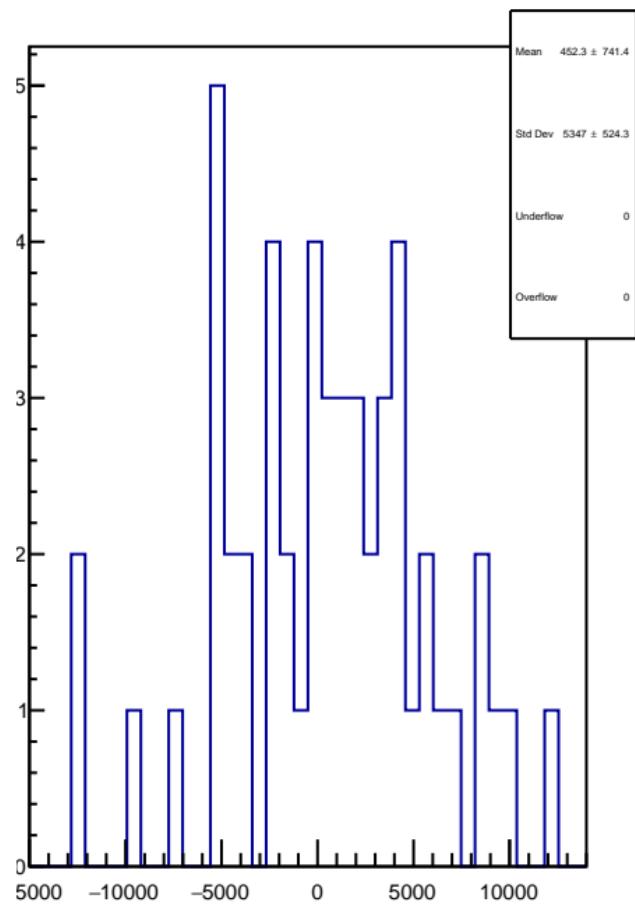
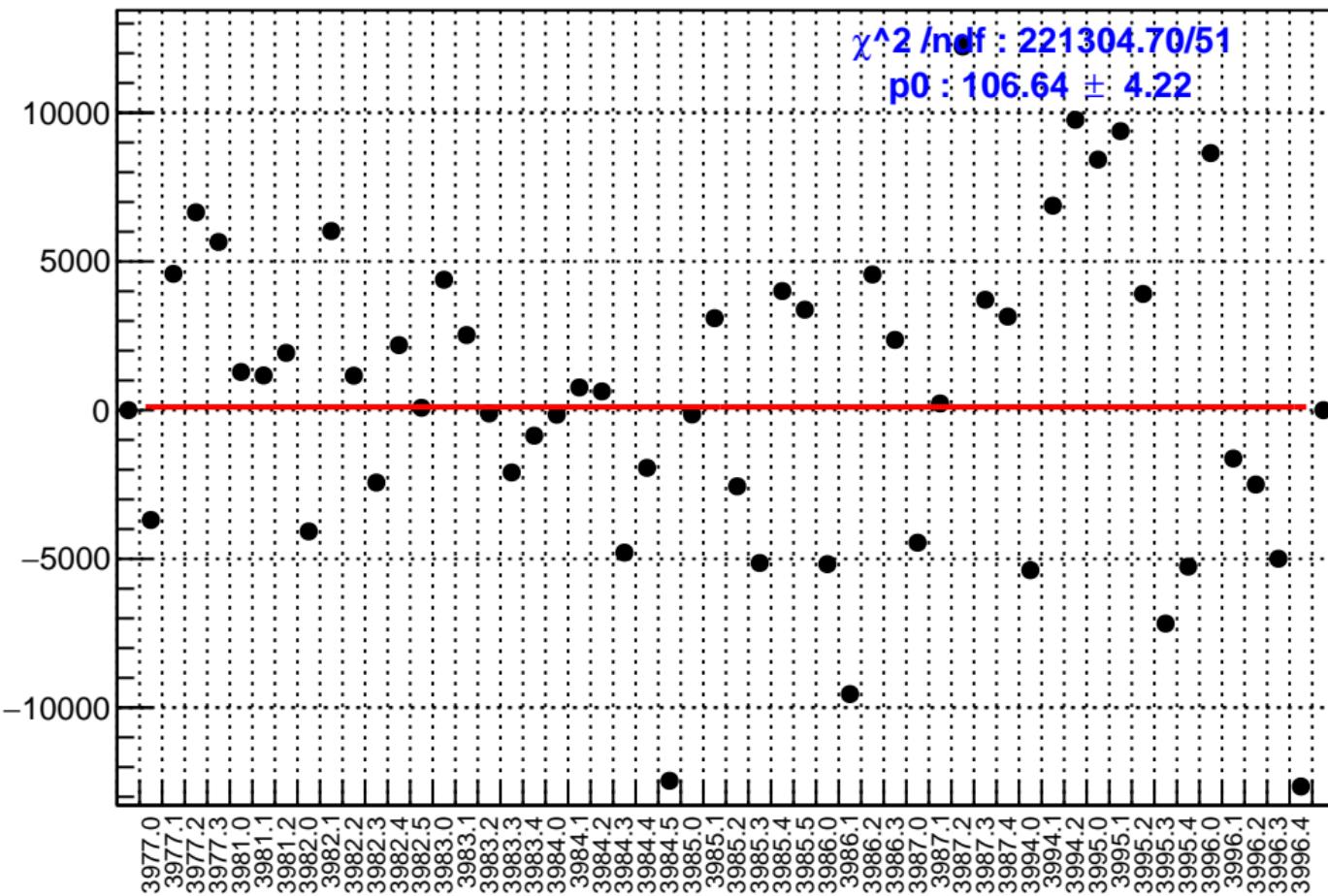


# 1D pull distribution

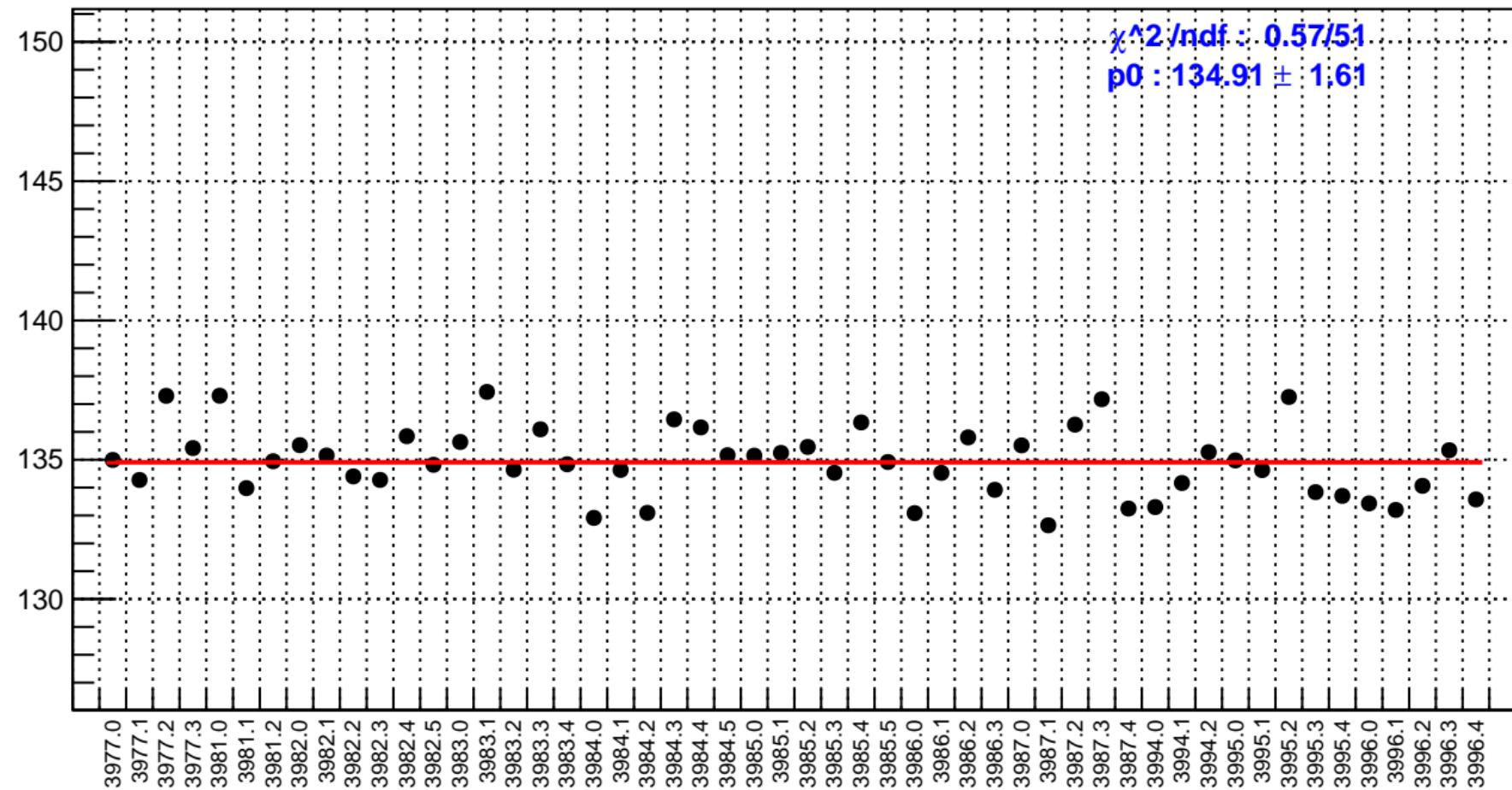


slug37: asym\_usl.mean/ppb-reg\_asym\_usl.mean/ppb

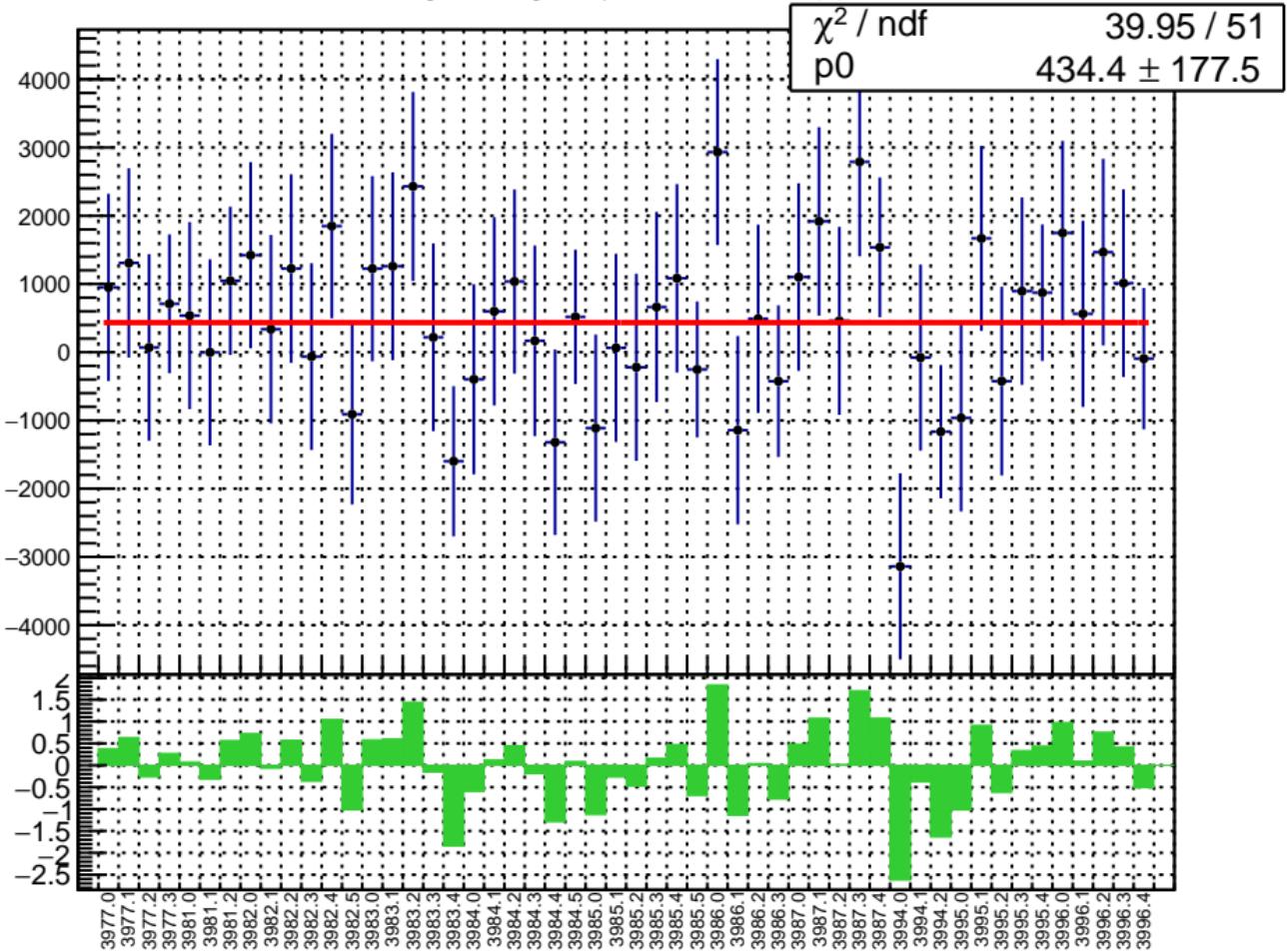
slug37: 1D Corr asym\_usl.mean/ppb-reg\_asym\_usl.mean/ppb



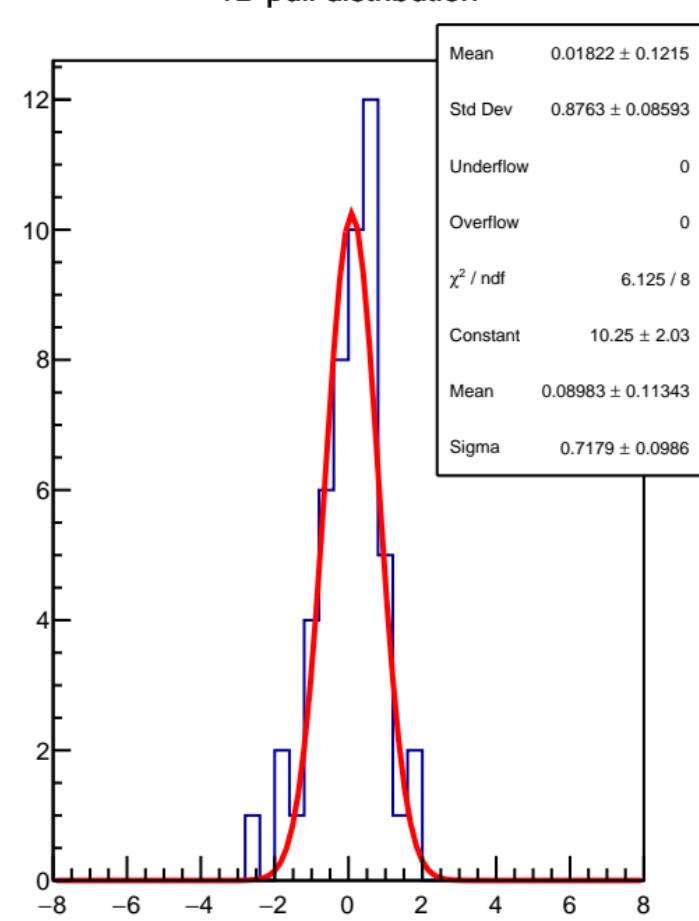
# slug37: reg\_asym\_usl.rms/ppm



## slug37: reg\_asym\_usr.mean/ppb

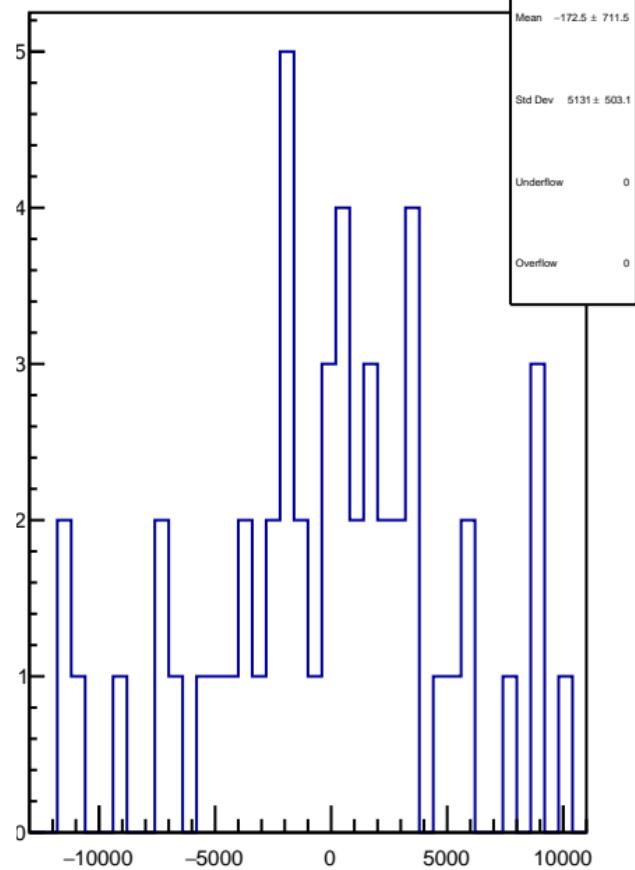
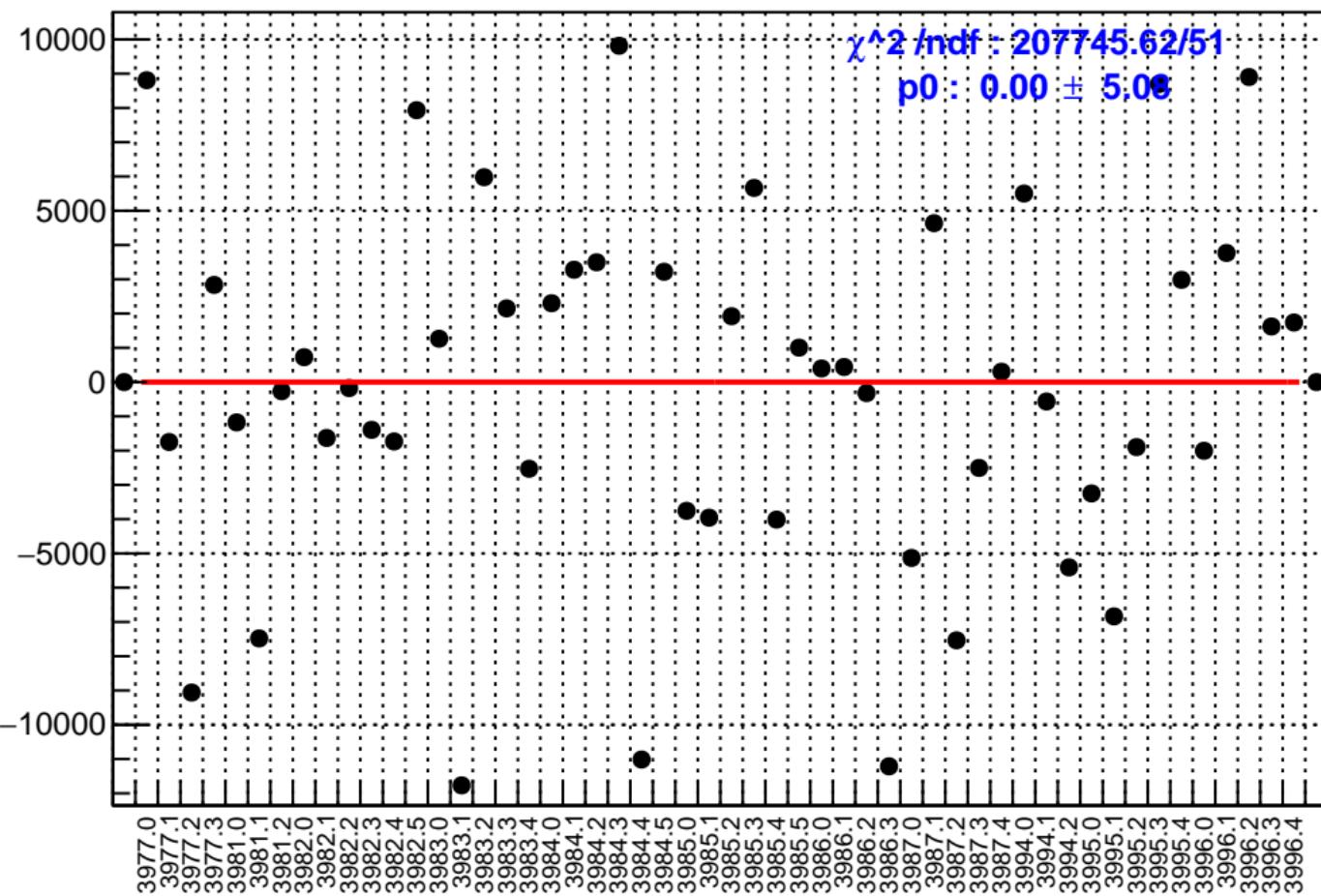


## 1D pull distribution

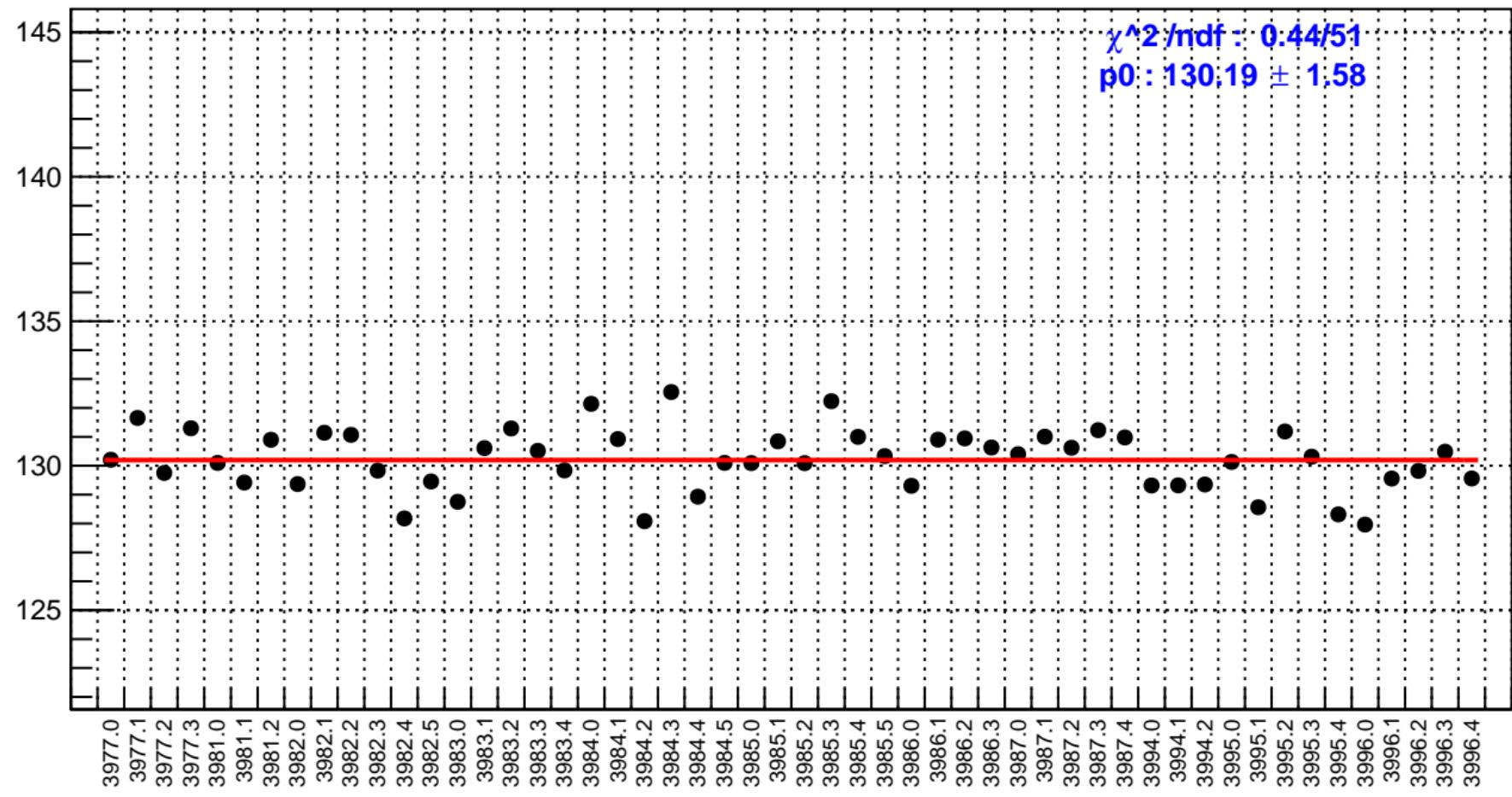


# slug37: asym\_usr.mean/ppb-reg\_asym\_usr.mean/ppb

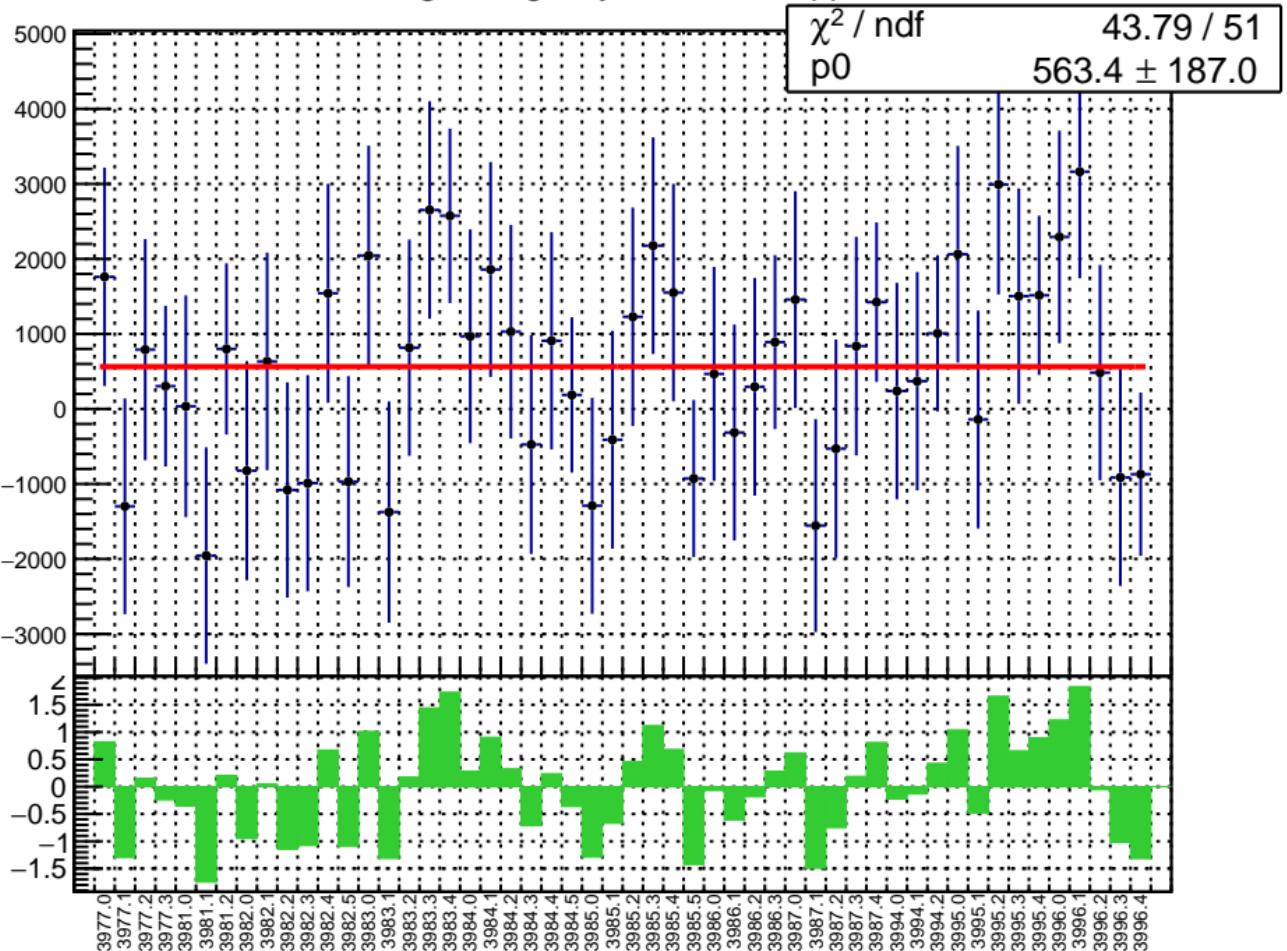
slug37: 1D Corr asym\_usr.mean/ppb-reg\_asym\_usr.mean/ppb



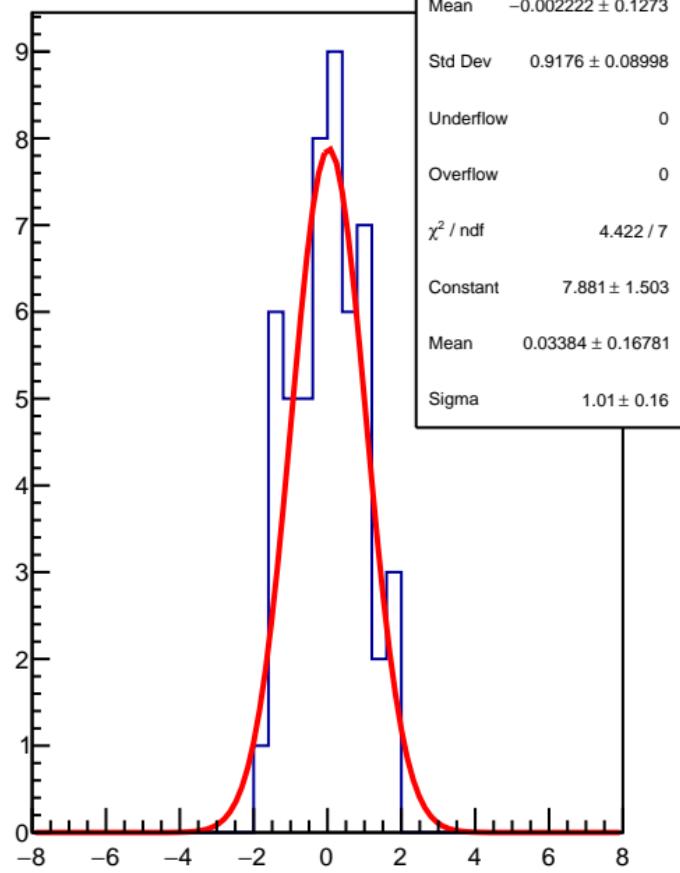
# slug37: reg\_asym\_usr.rms/ppm



## slug37: reg\_asym\_dsl.mean/ppb

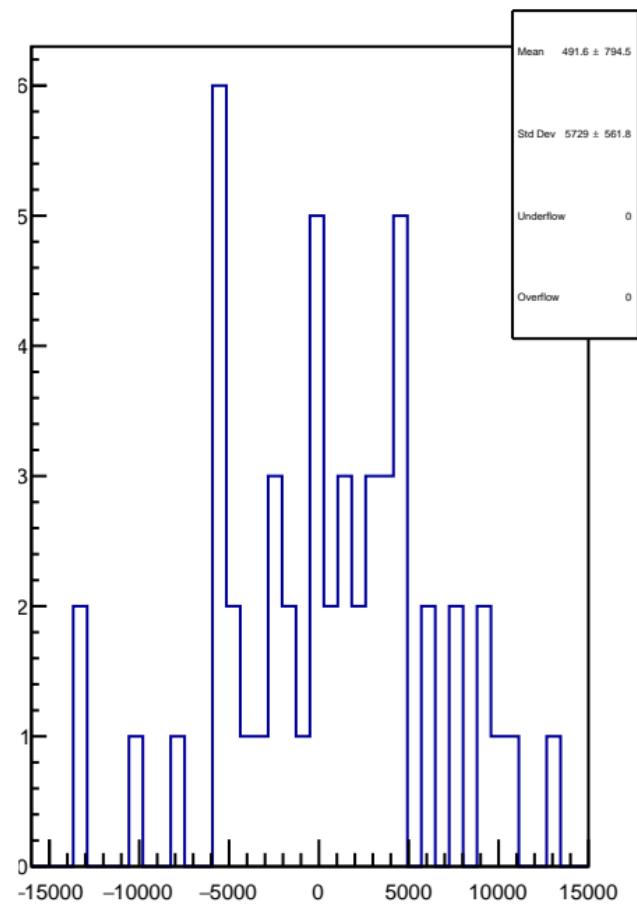
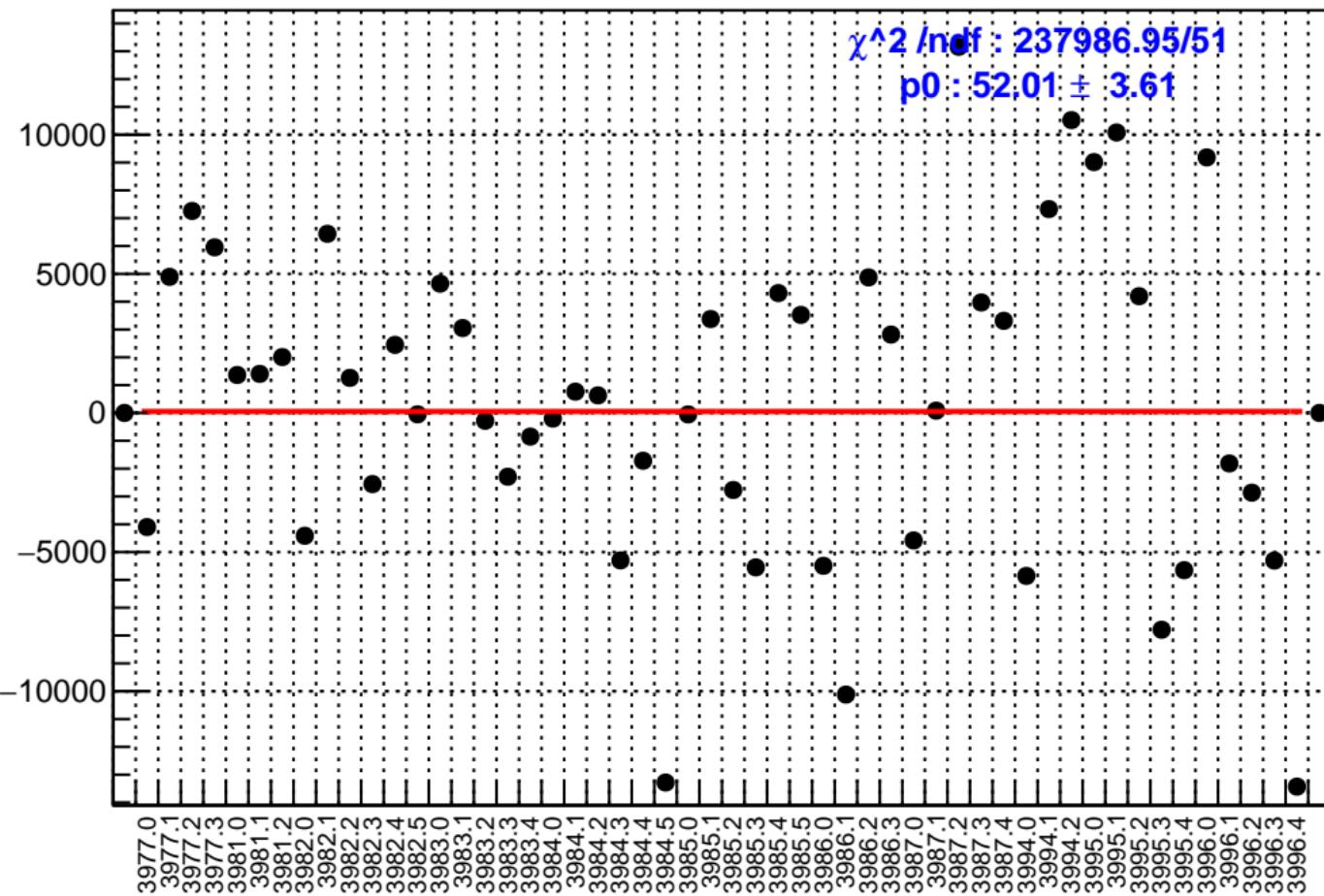


## 1D pull distribution



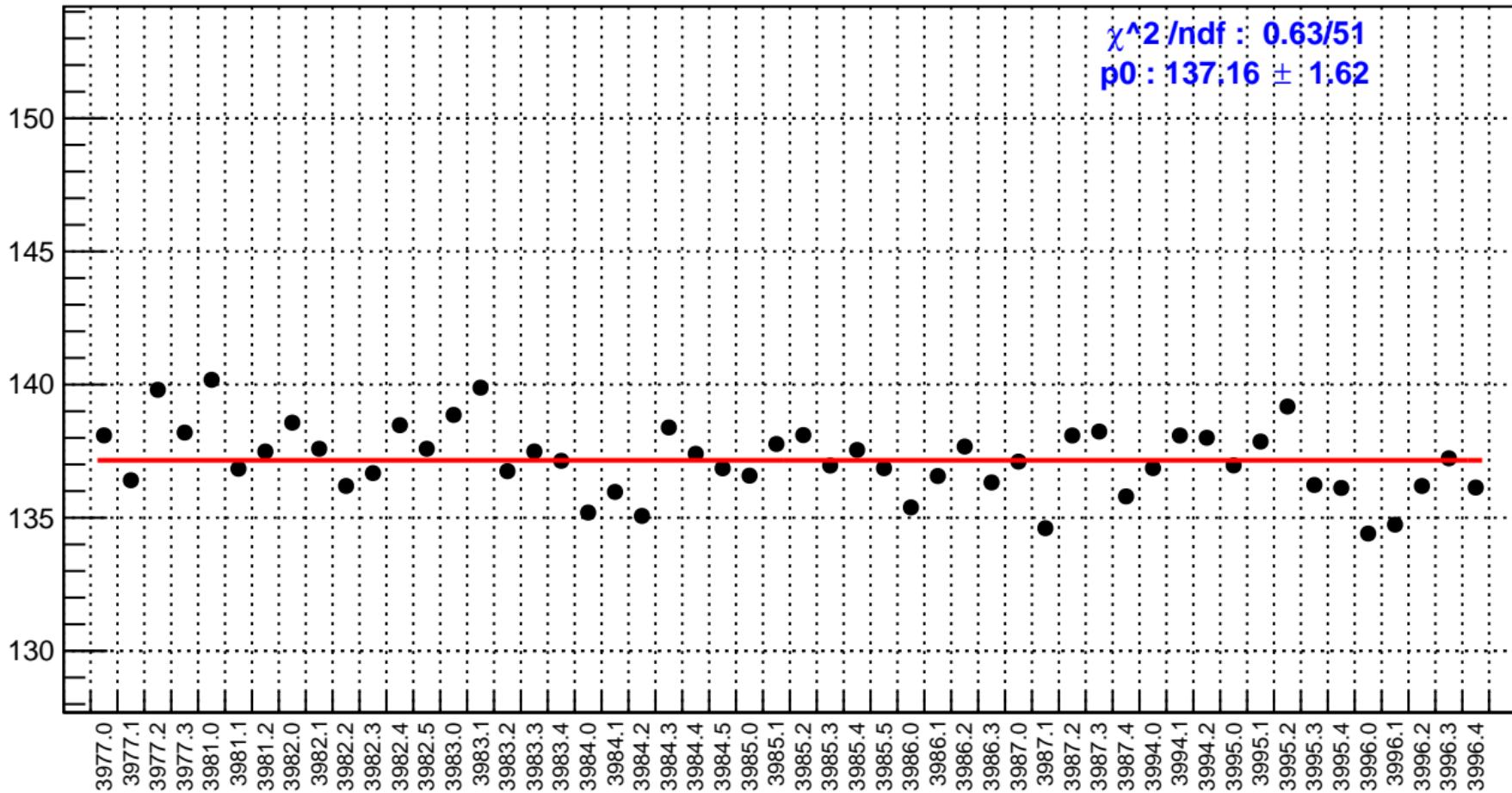
slug37: asym\_dsl.mean/ppb-reg\_asym\_dsl.mean/ppb

slug37: 1D Corr asym\_dsl.mean/ppb-reg\_asym\_dsl.mean/ppb

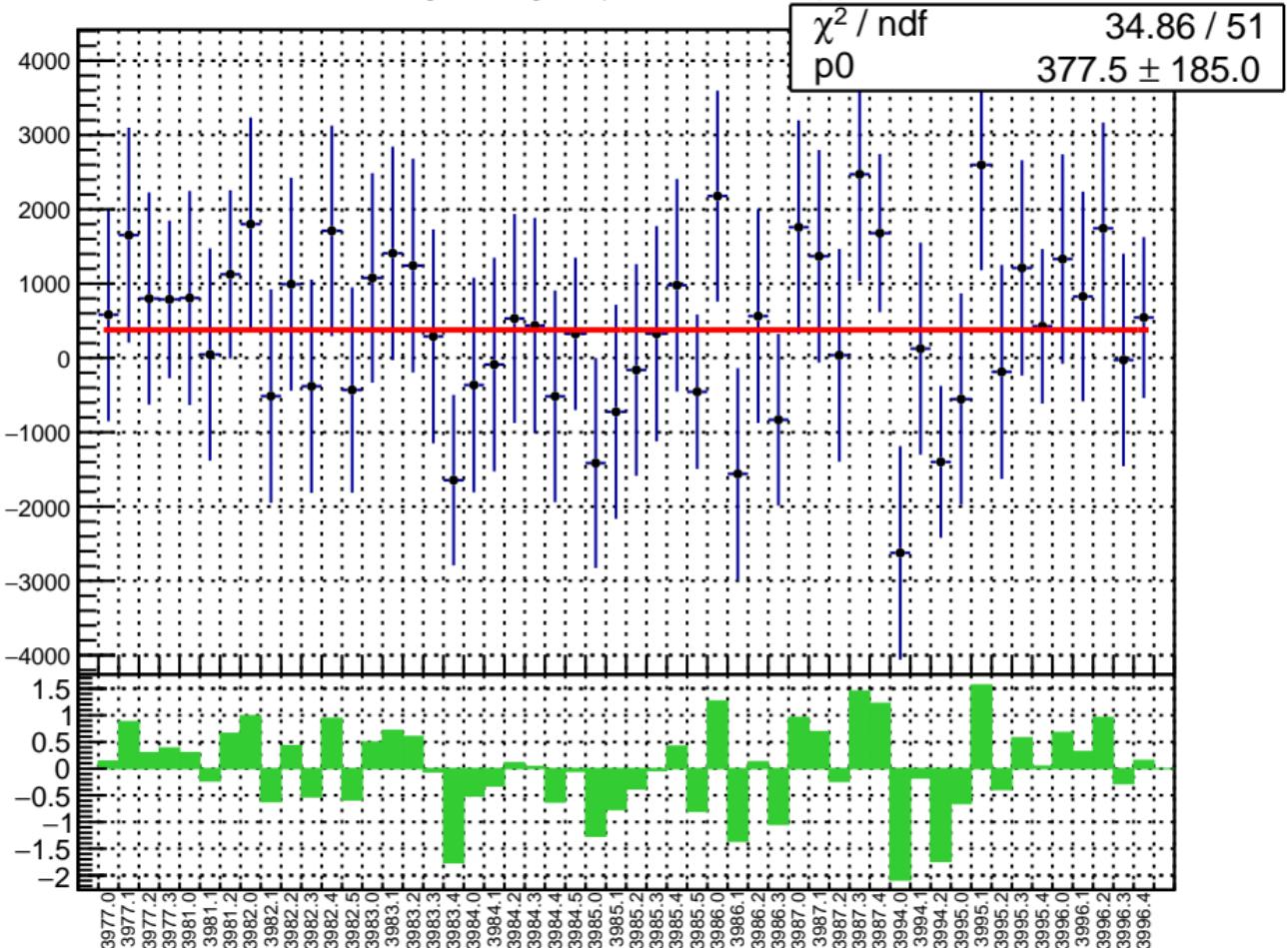


# slug37: reg\_asym\_dsl.rms/ppm

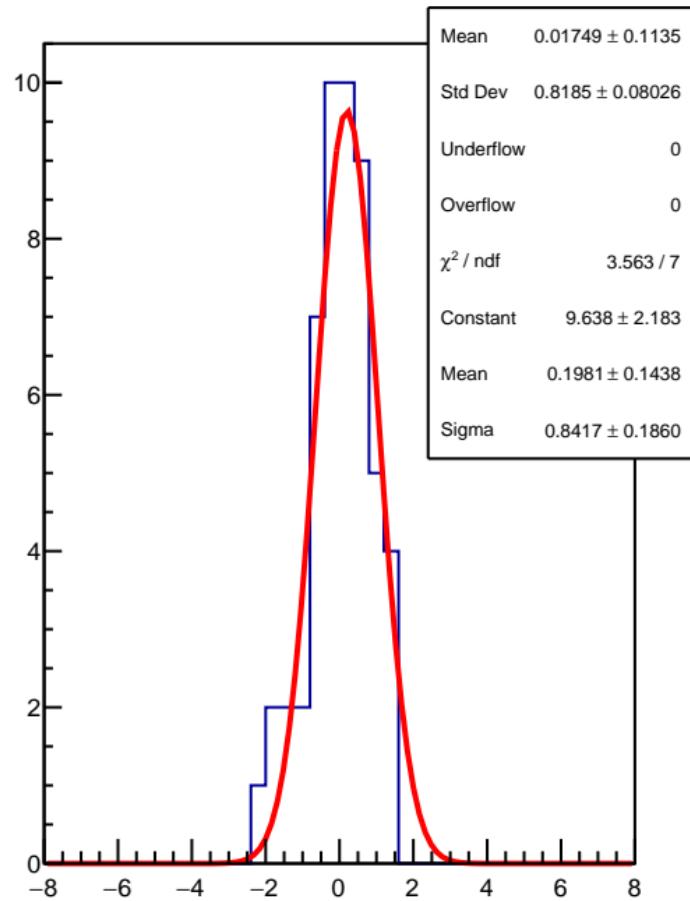
$\chi^2/\text{ndf} : 0.63/51$   
 $p0 : 137.16 \pm 1.62$



## slug37: reg\_asym\_dsr.mean/ppb

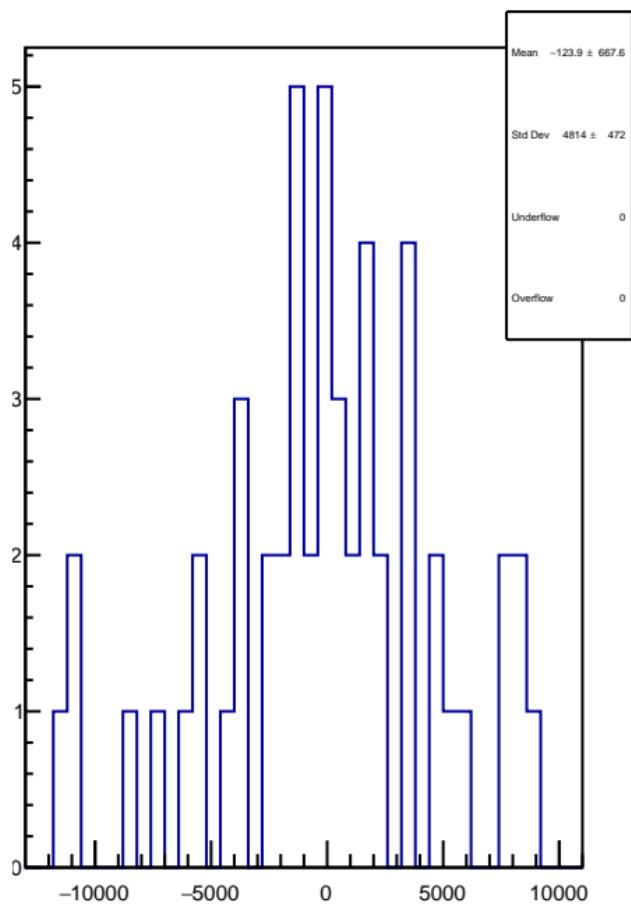
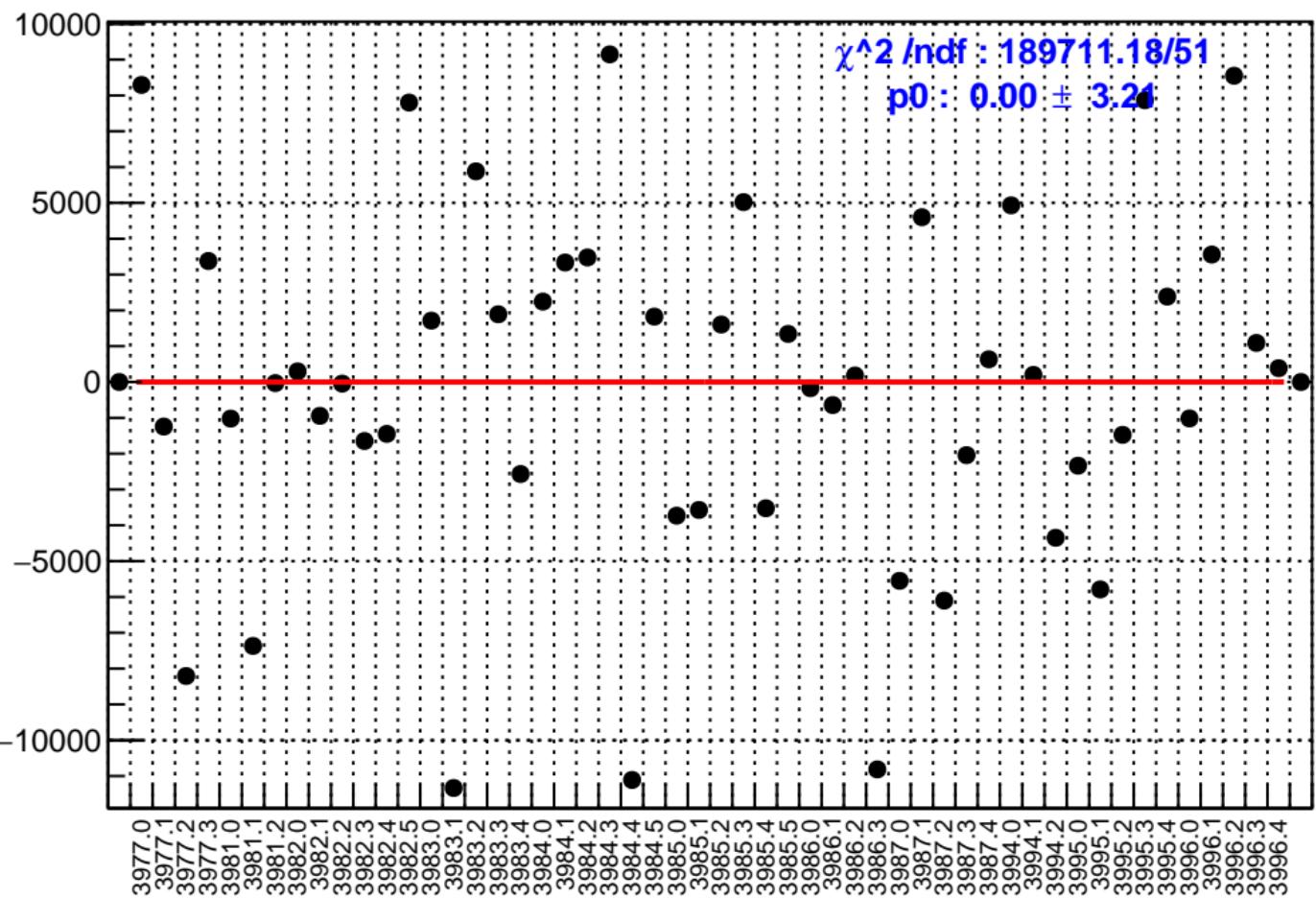


## 1D pull distribution

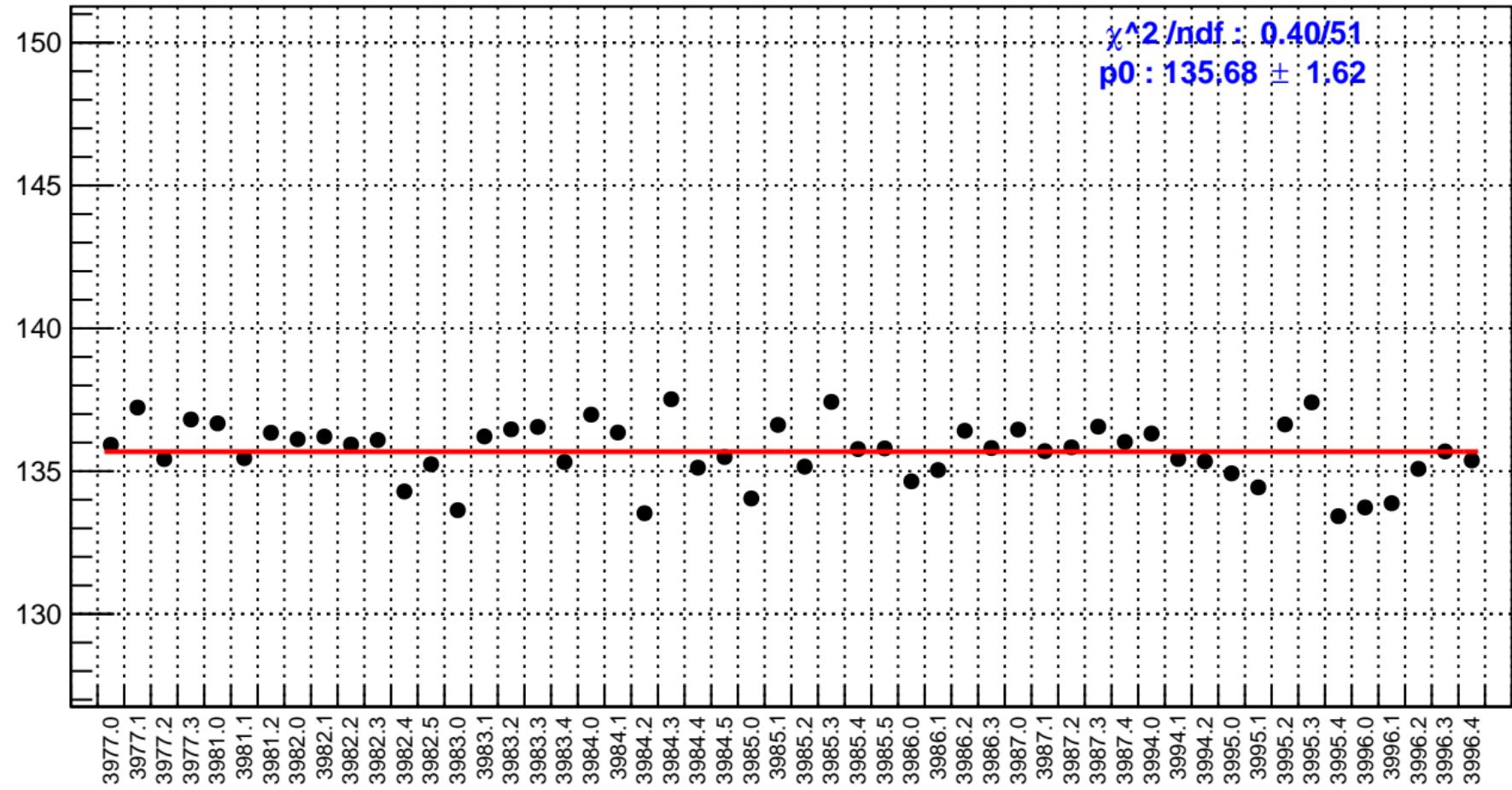


slug37: asym\_dsr.mean/ppb-reg\_asym\_dsr.mean/ppb

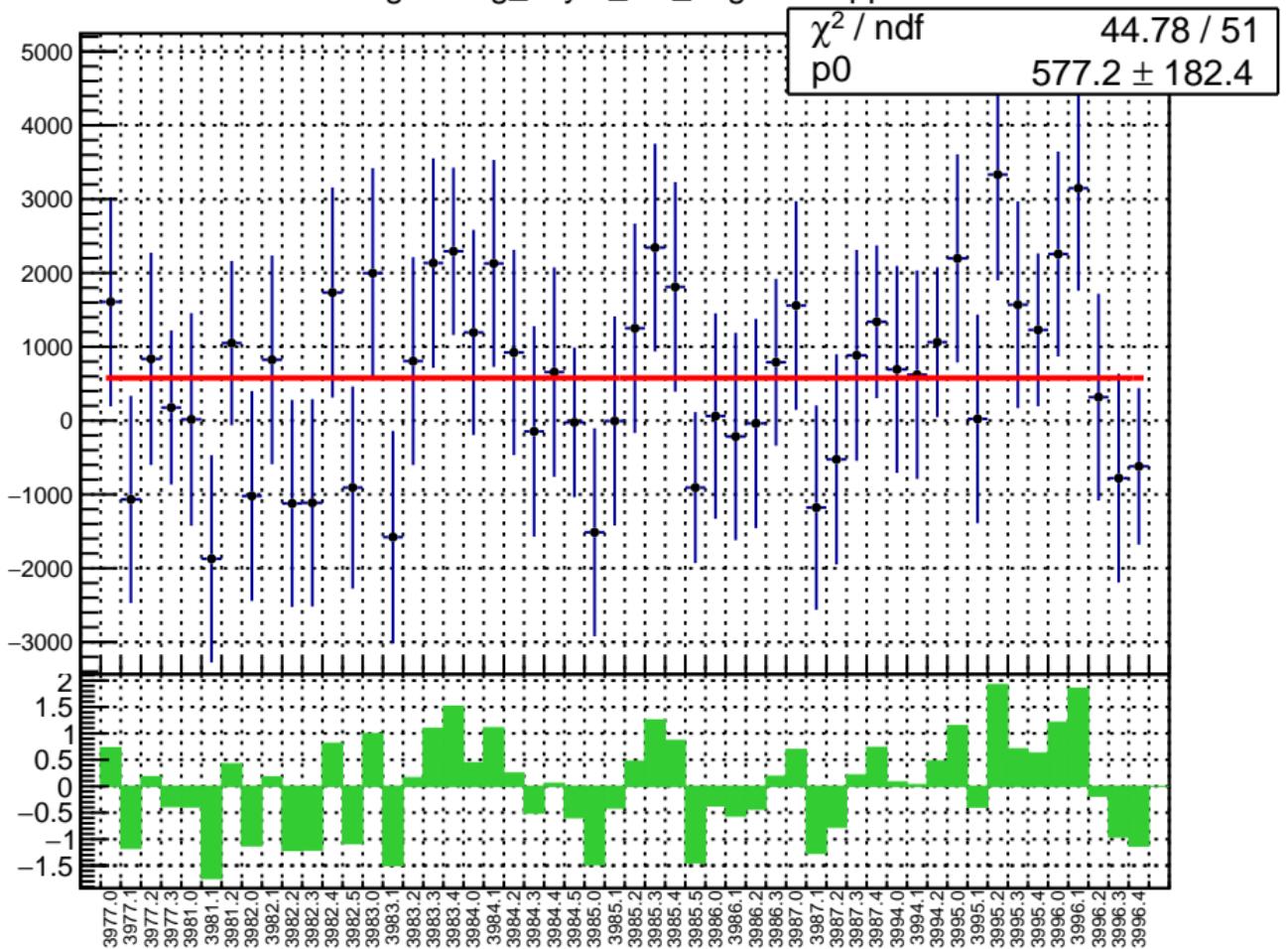
slug37: 1D Corr asym\_dsr.mean/ppb-reg\_asym\_dsr.mean/ppb



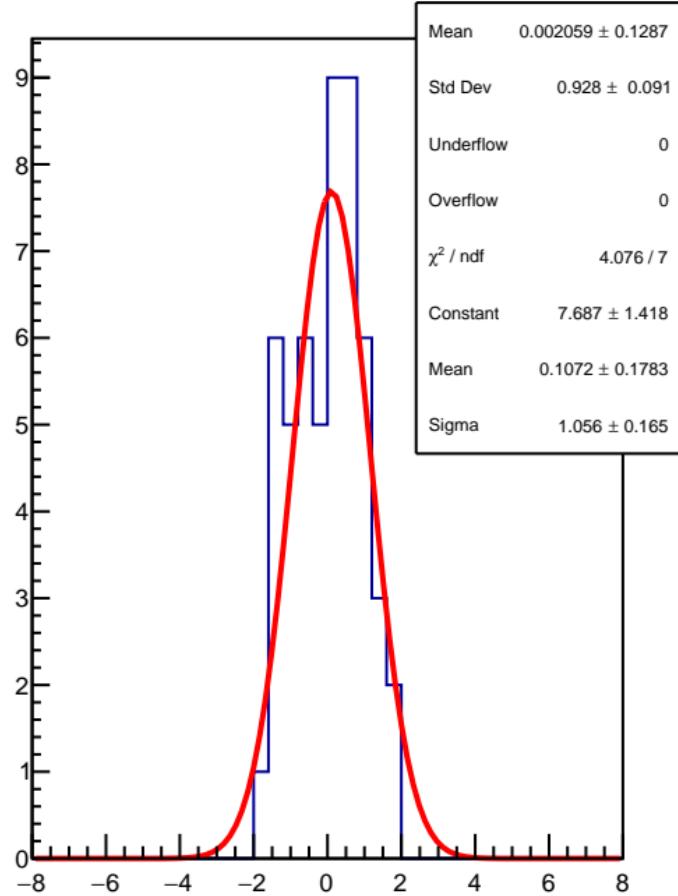
# slug37: reg\_asym\_dsr.rms/ppm



slug37: reg\_asym\_left\_avg.mean/ppb

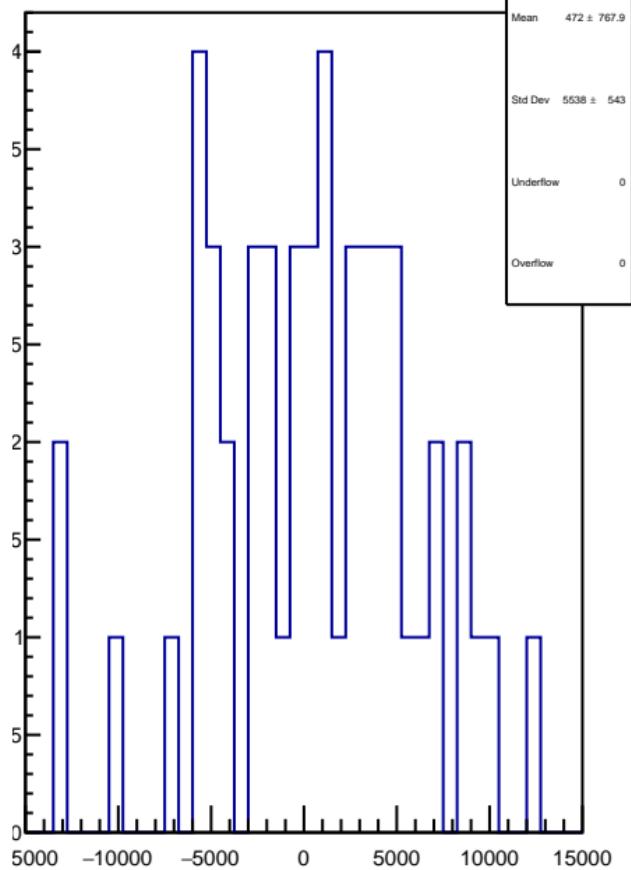
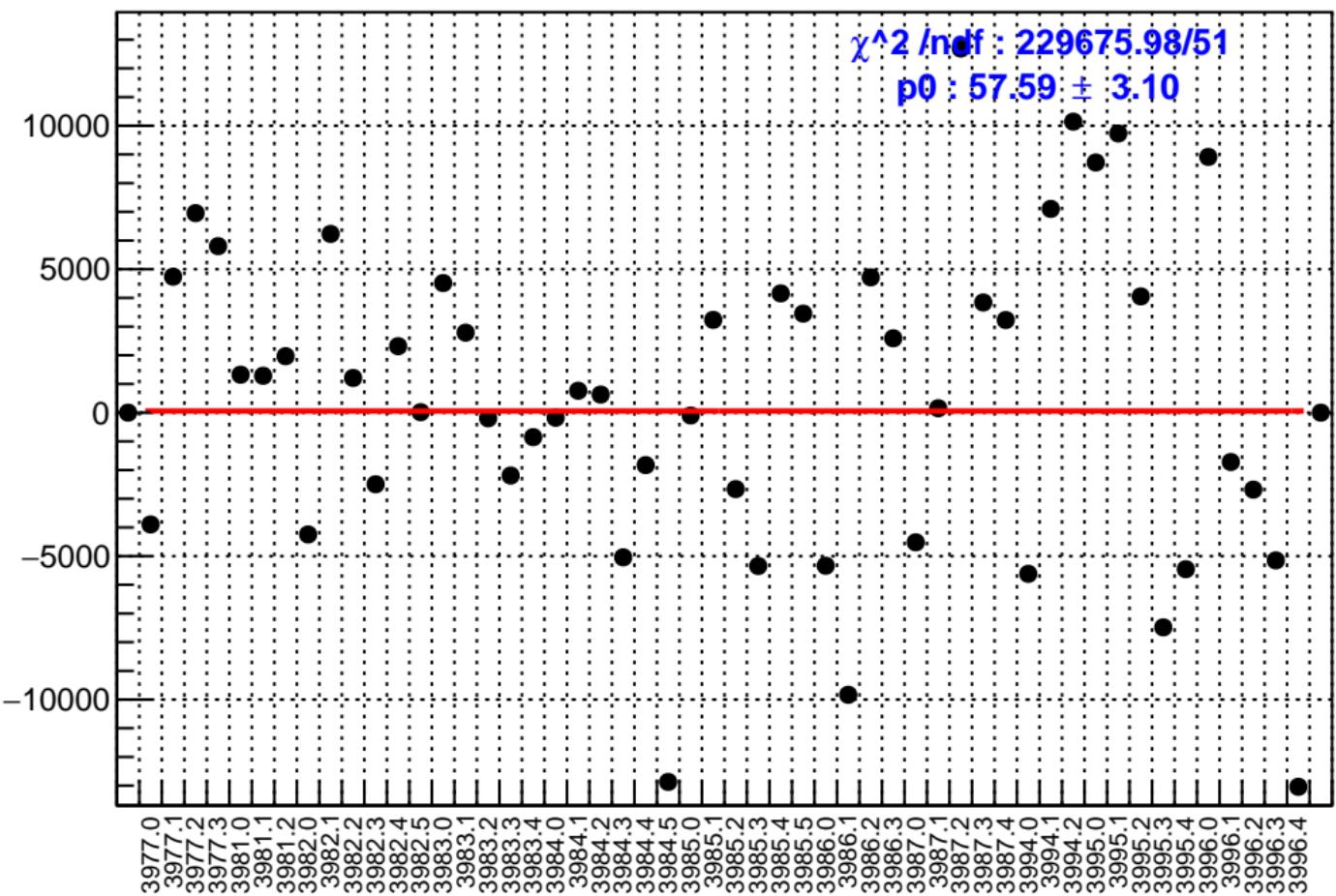


1D pull distribution

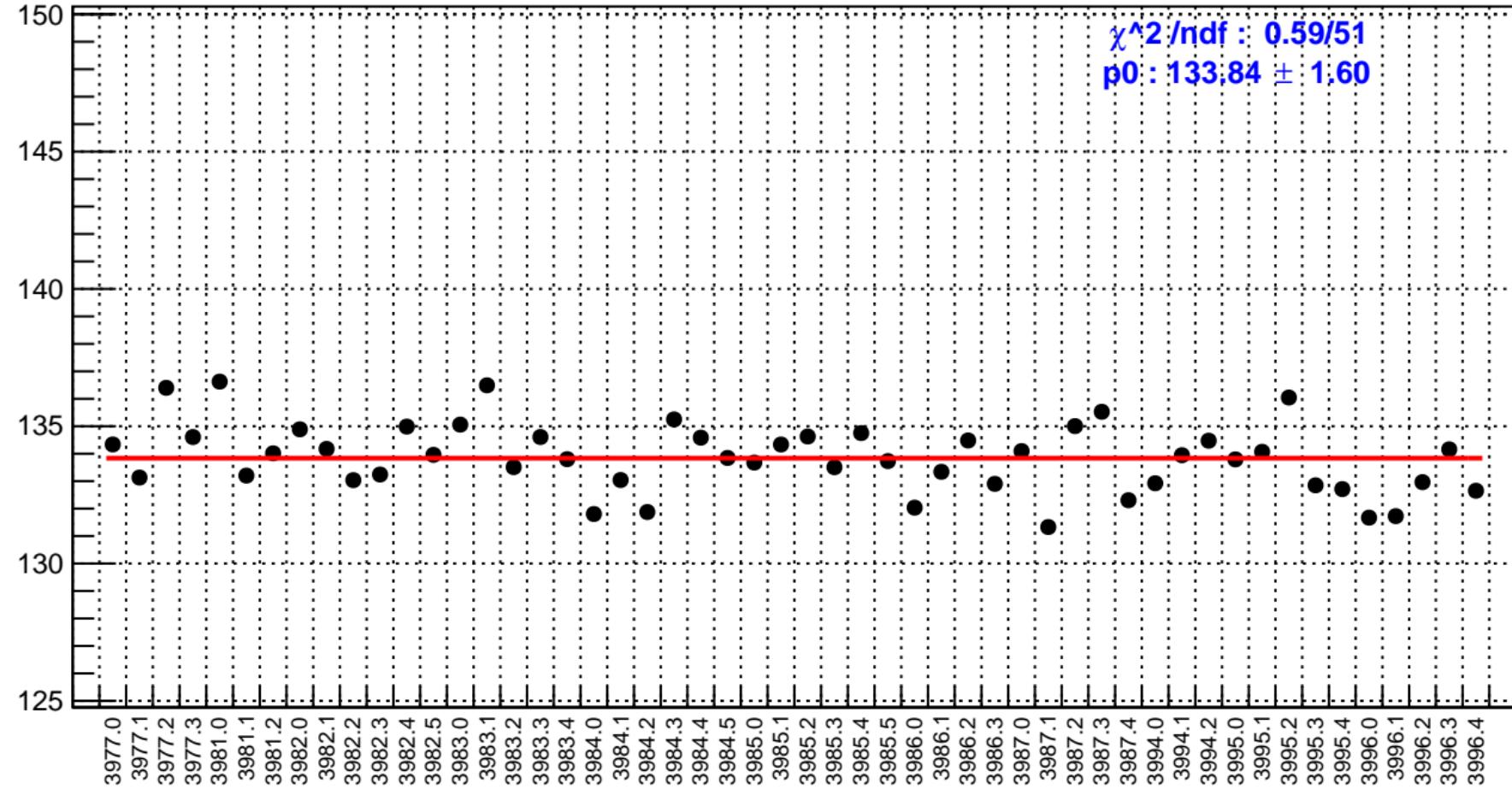


slug37: asym\_left\_avg.mean/ppb-reg\_asym\_left\_avg.mean/ppb

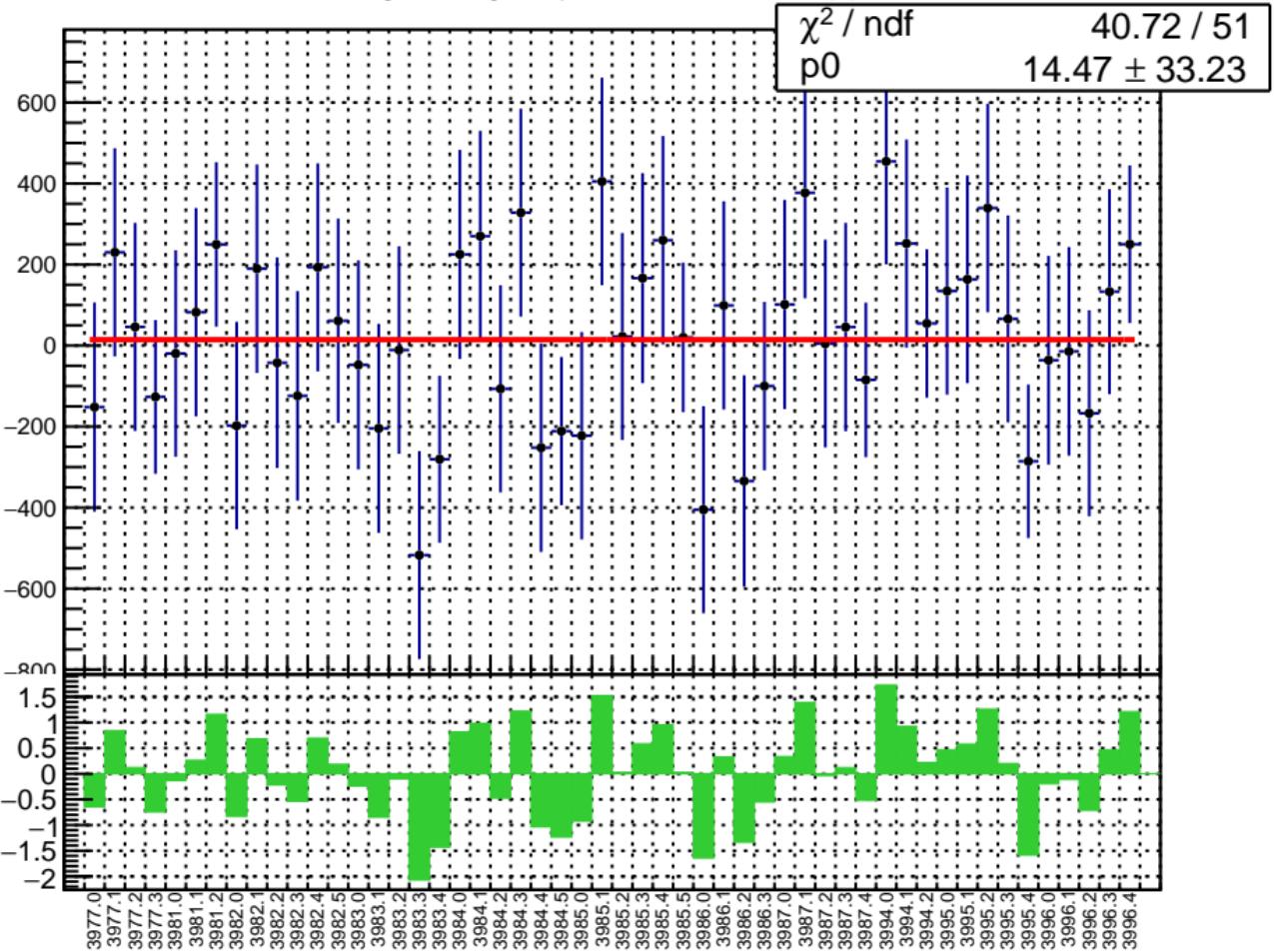
slug37: 1D Corr asym\_left\_avg.mean/ppb-reg\_asym\_left\_avg.mean/ppb



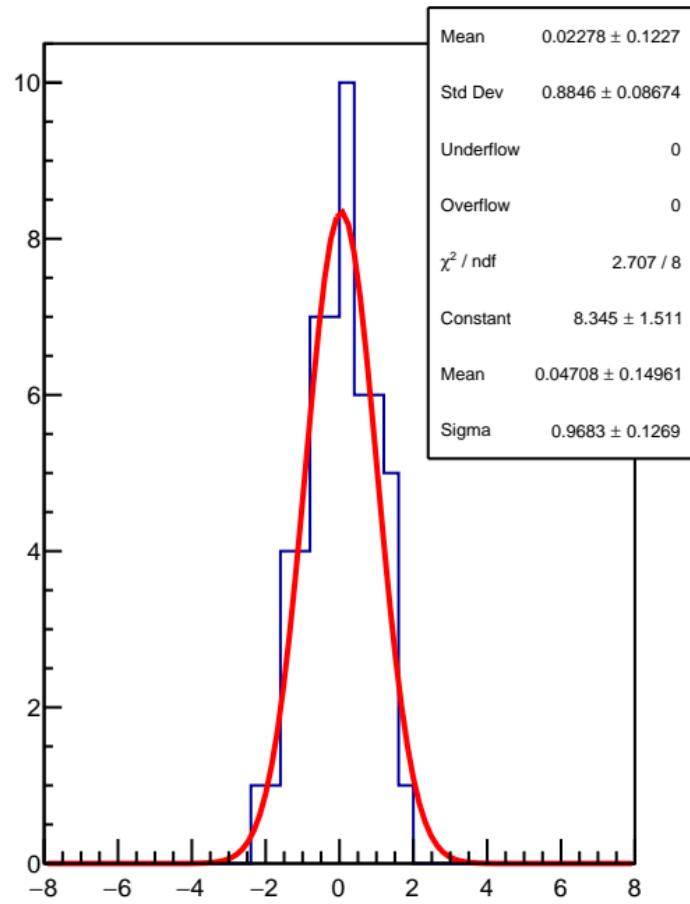
# slug37: reg\_asym\_left\_avg.rms/ppm



slug37: reg\_asym\_left\_dd.mean/ppb

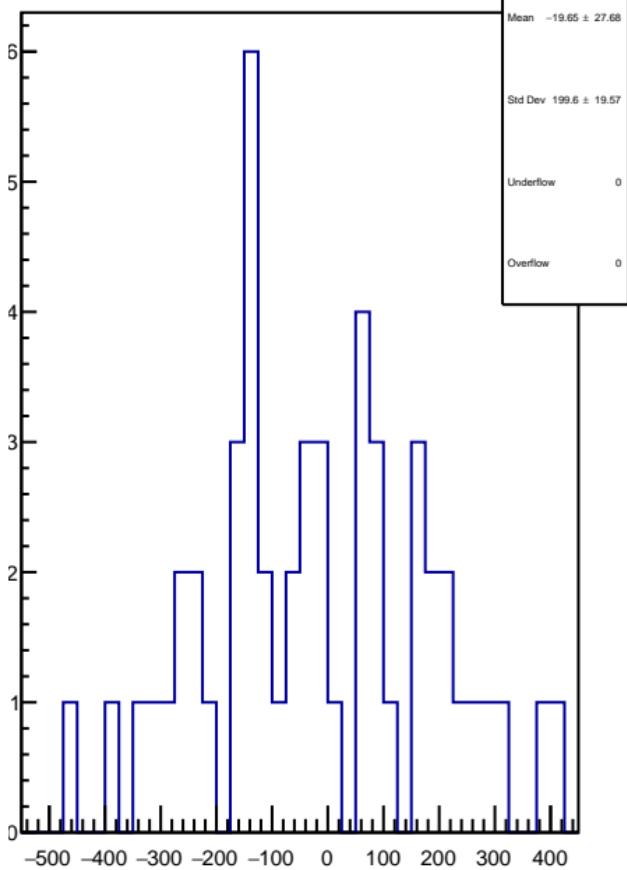
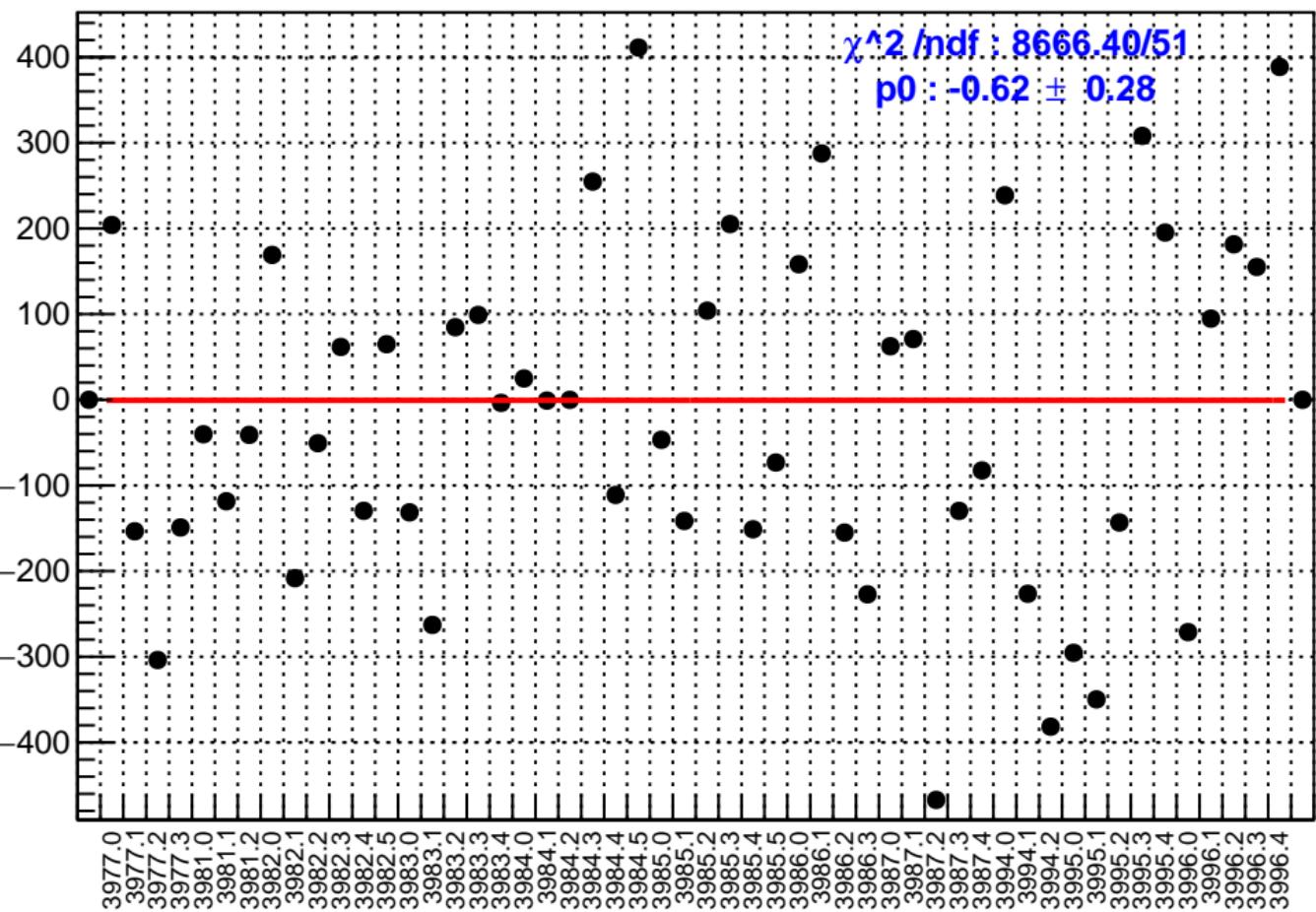


1D pull distribution

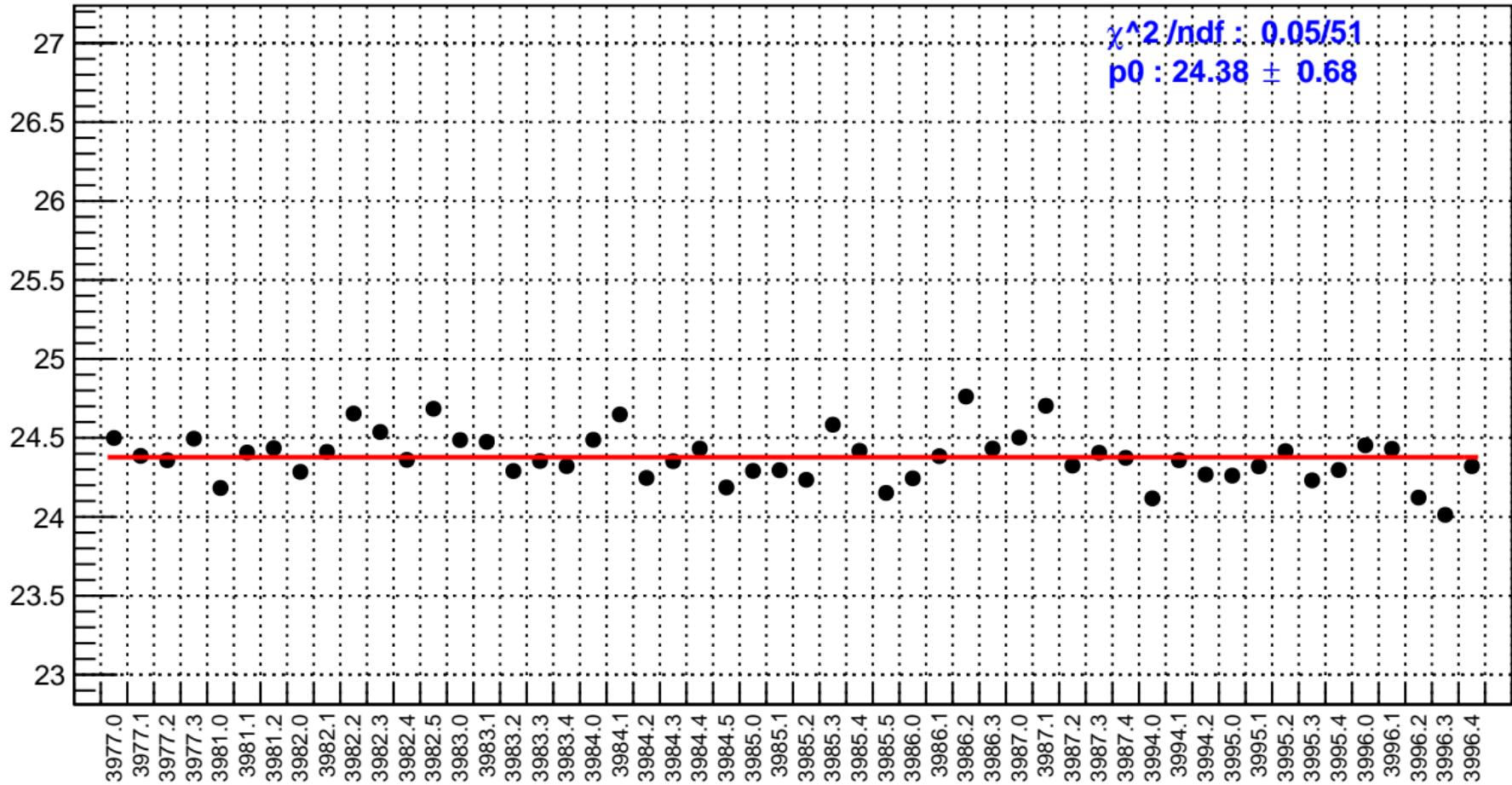


slug37: asym\_left\_dd.mean/ppb-reg\_asym\_left\_dd.mean/ppb

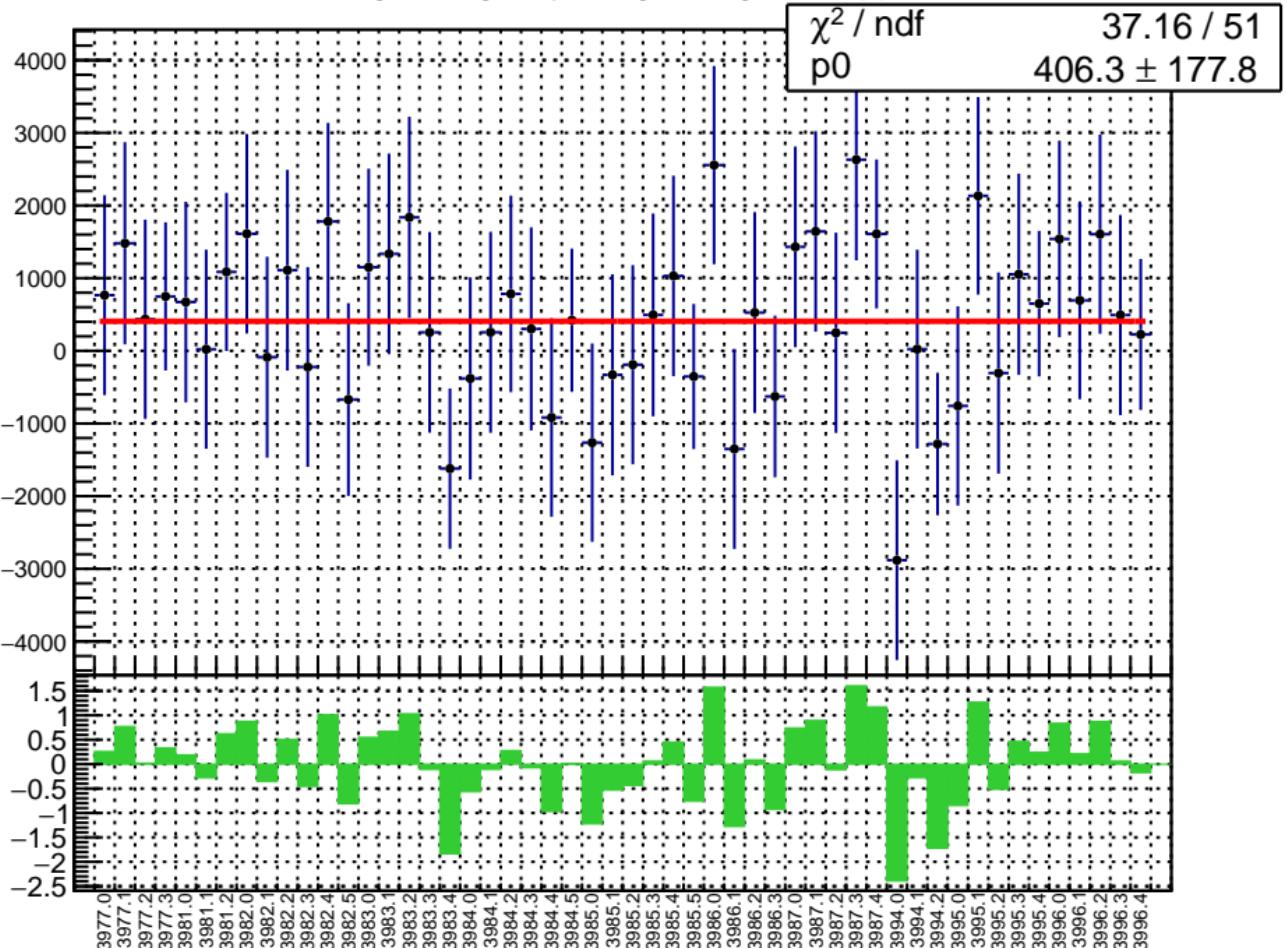
slug37: 1D Corr asym\_left\_dd.mean/ppb-reg\_asym\_left\_dd.mean/ppb



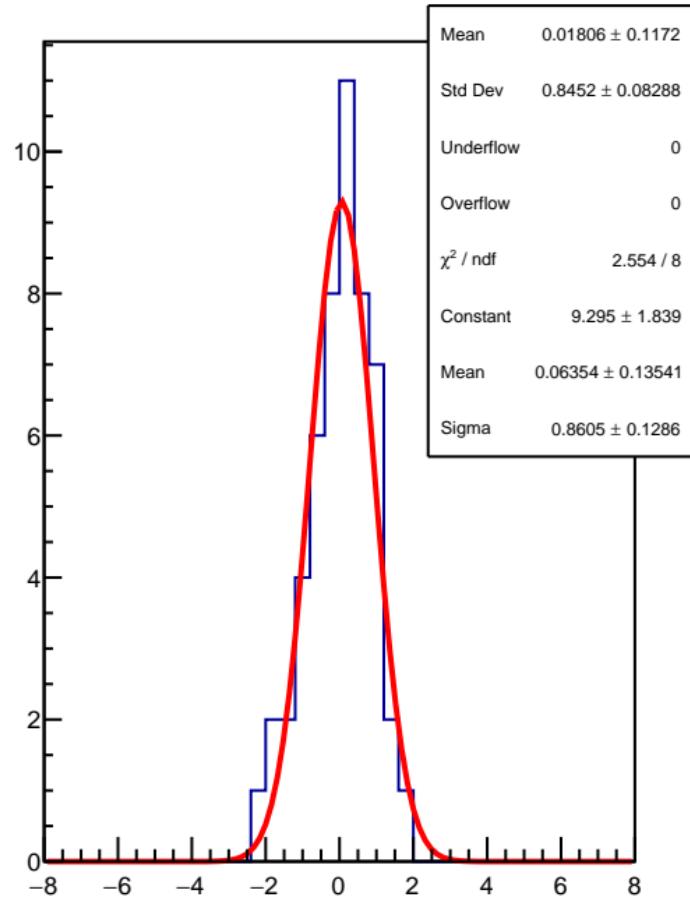
# slug37: reg\_asym\_left\_dd.rms/ppm



# slug37: reg\_asym\_right\_avg.mean/ppb

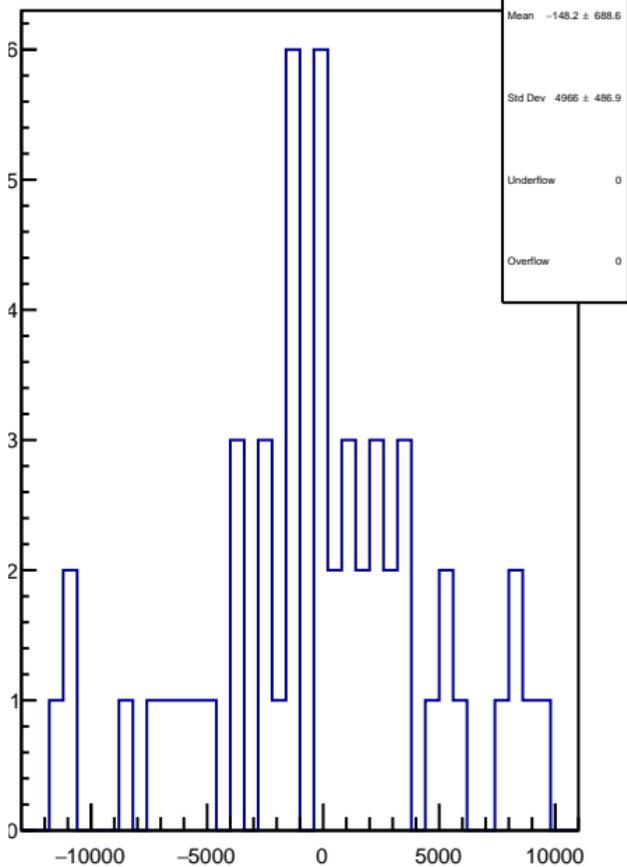
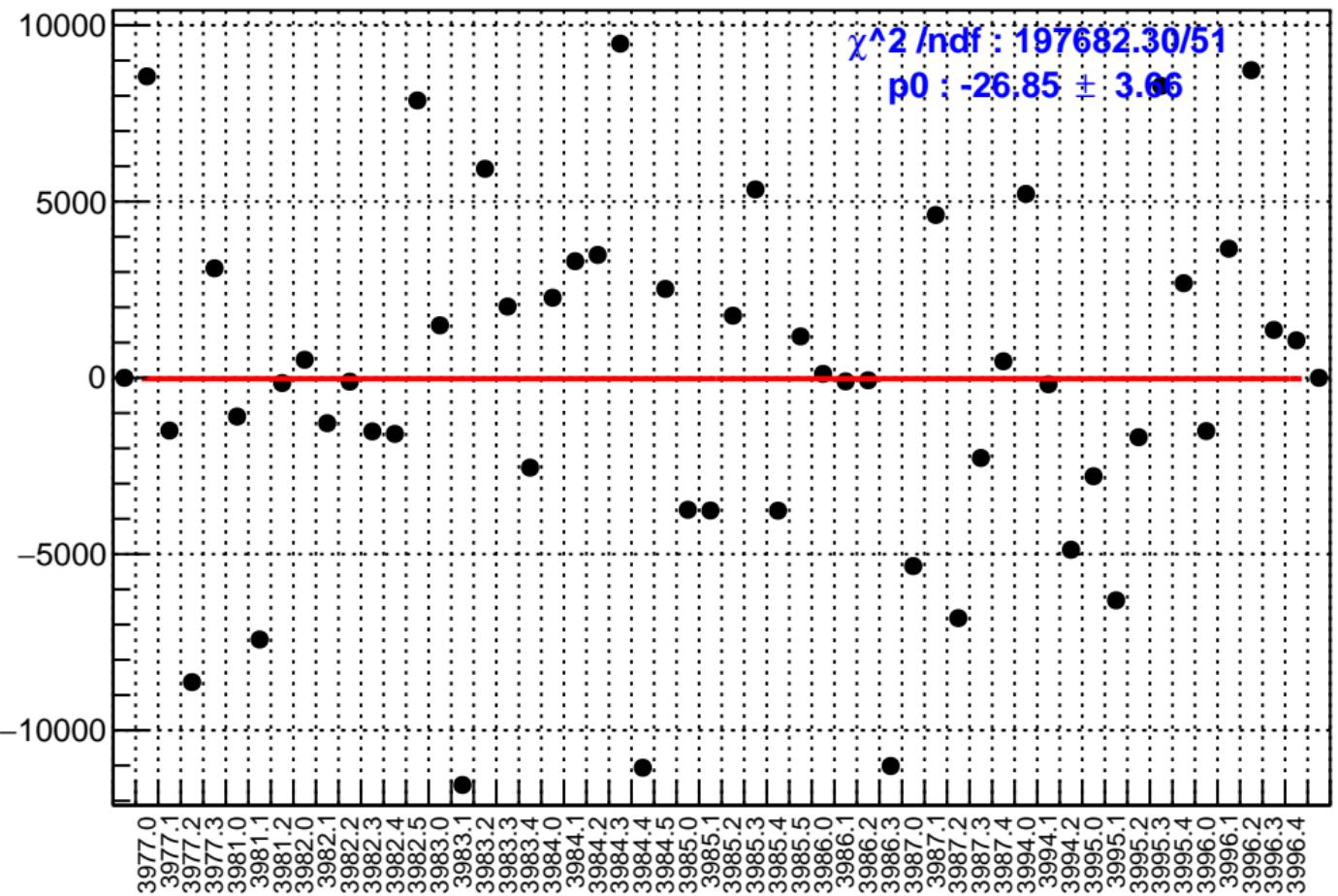


# 1D pull distribution

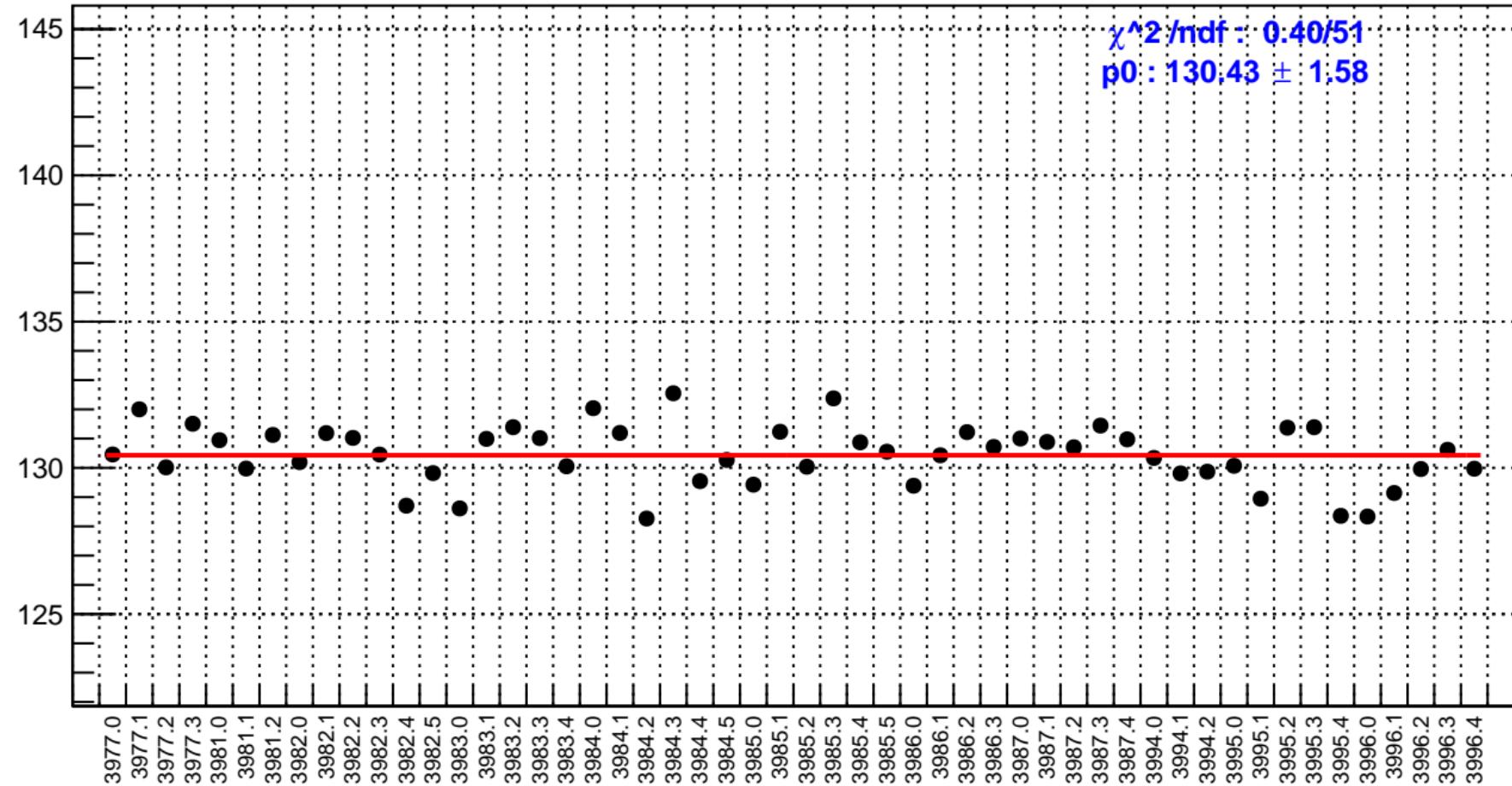


slug37: asym\_right\_avg.mean/ppb-reg\_asym\_right\_avg.mean/ppb

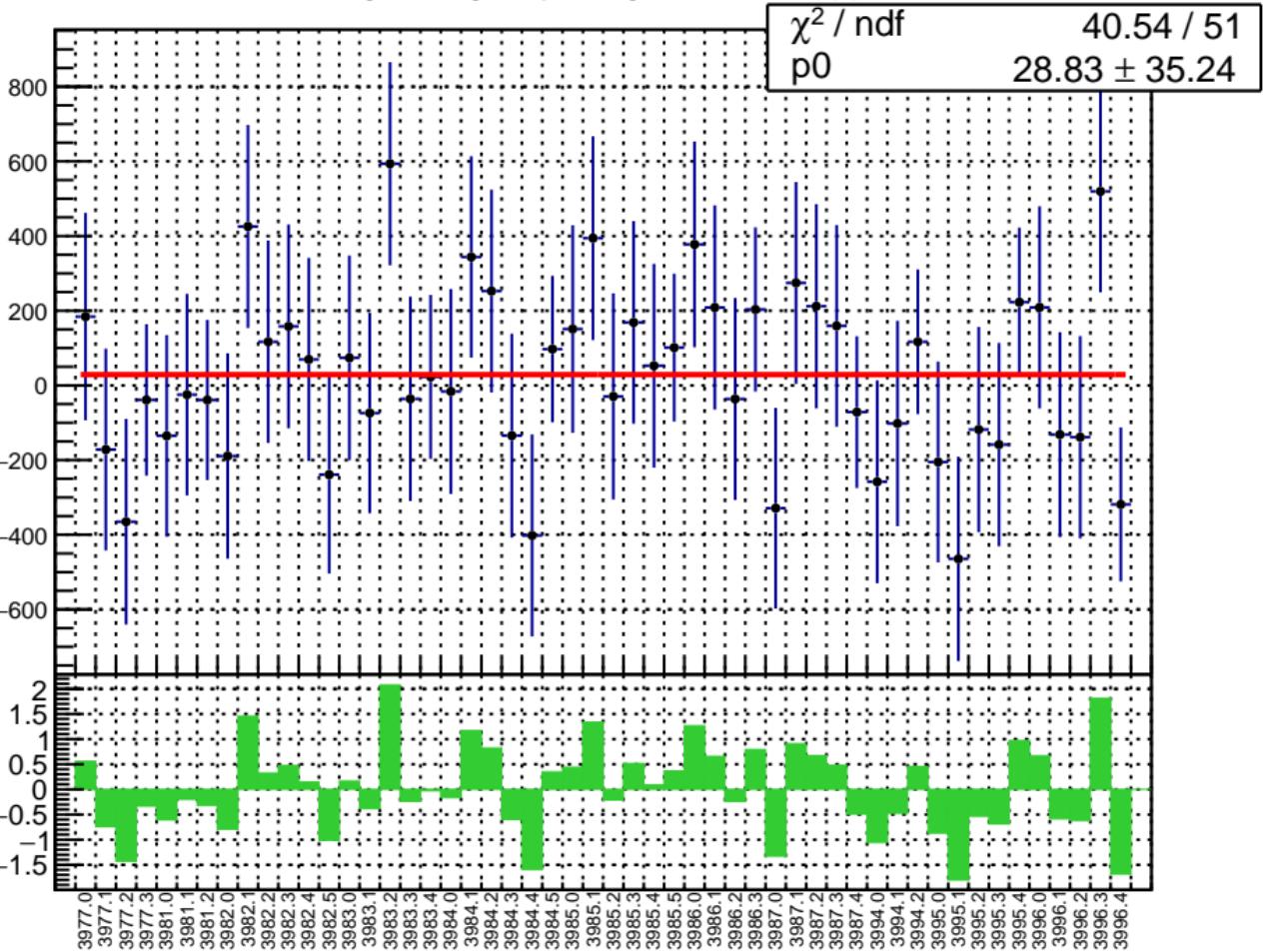
slug37: 1D Corr asym\_right\_avg.mean/ppb-reg\_asym\_right\_avg.mean/ppb



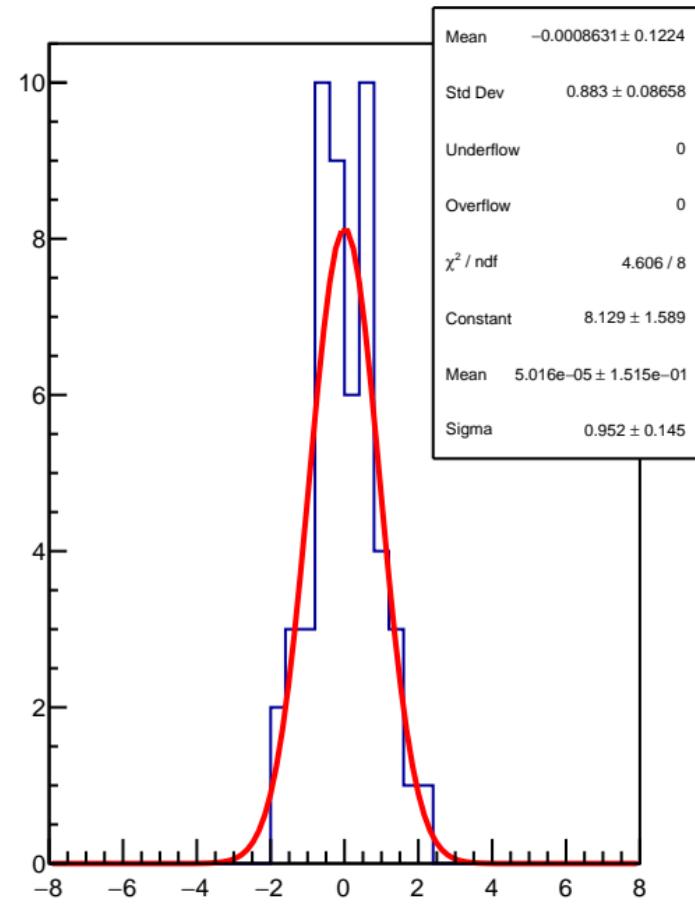
# slug37: reg\_asym\_right\_avg.rms/ppm



slug37: reg\_asym\_right\_dd.mean/ppb

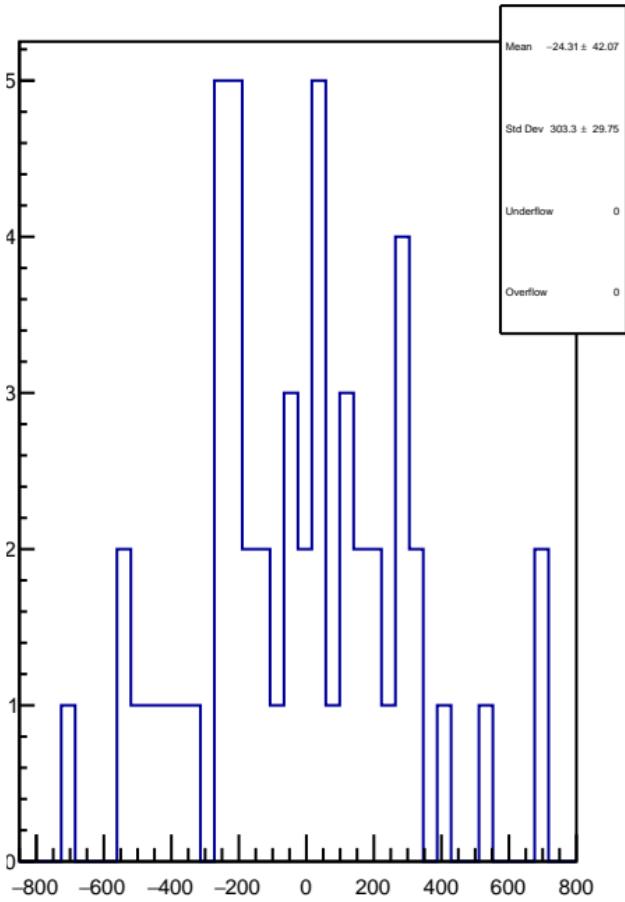
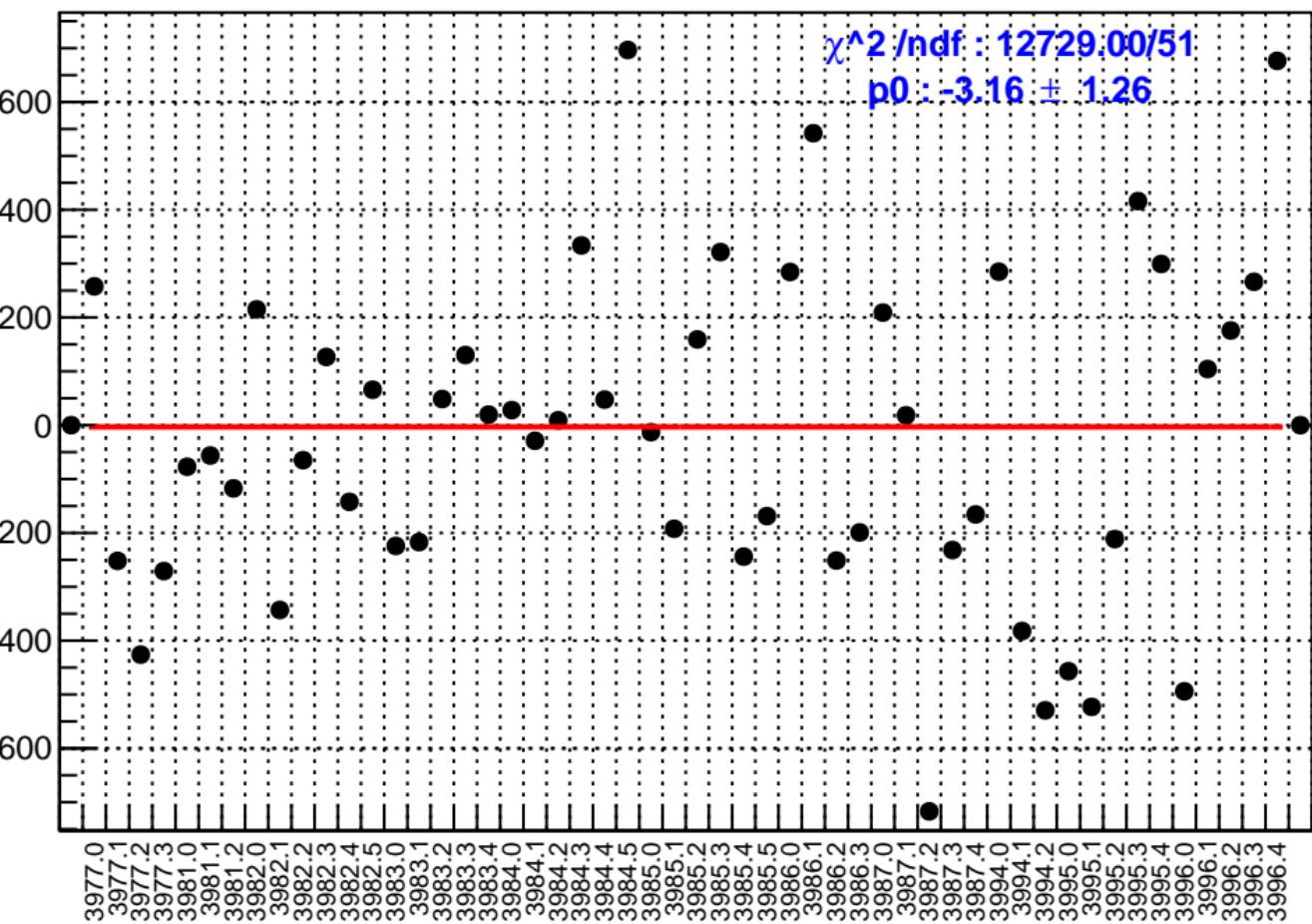


1D pull distribution

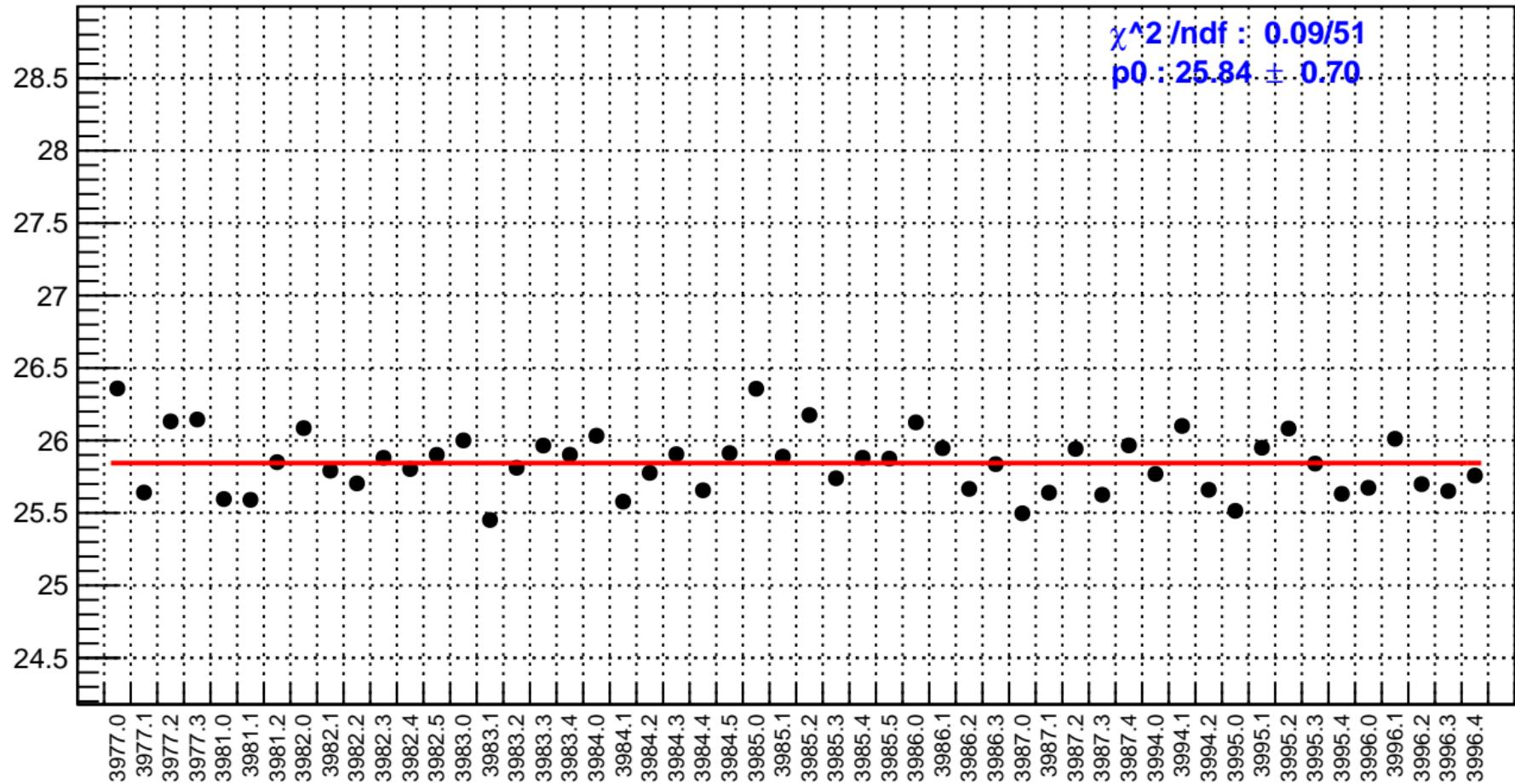


slug37: asym\_right\_dd.mean/ppb-reg\_asym\_right\_dd.mean/ppb

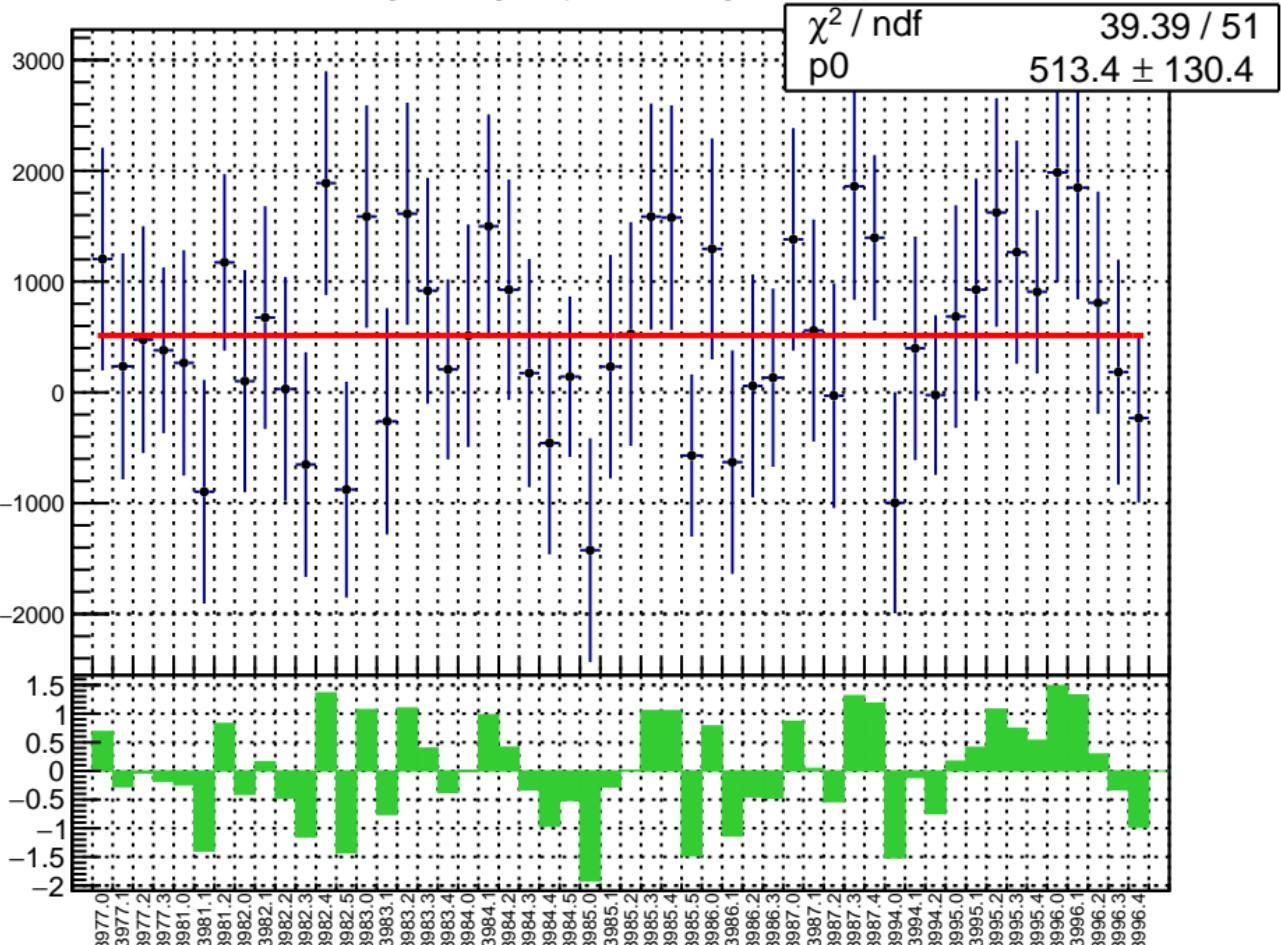
slug37: 1D Corr asym\_right\_dd.mean/ppb-reg\_asym\_right\_dd.mean/ppb



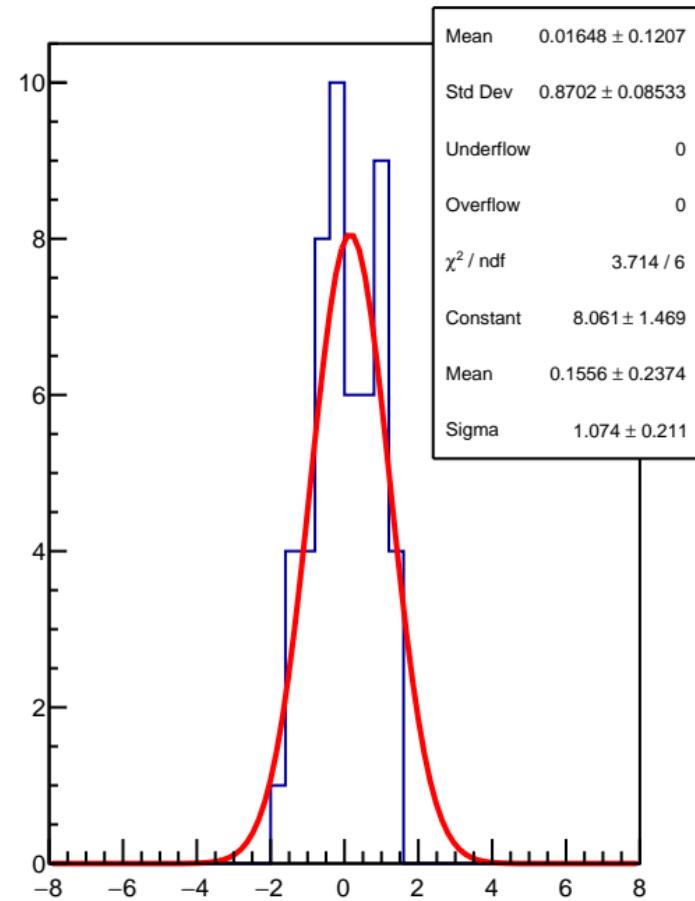
# slug37: reg\_asym\_right\_dd.rms/ppm



slug37: reg\_asym\_us\_avg.mean/ppb

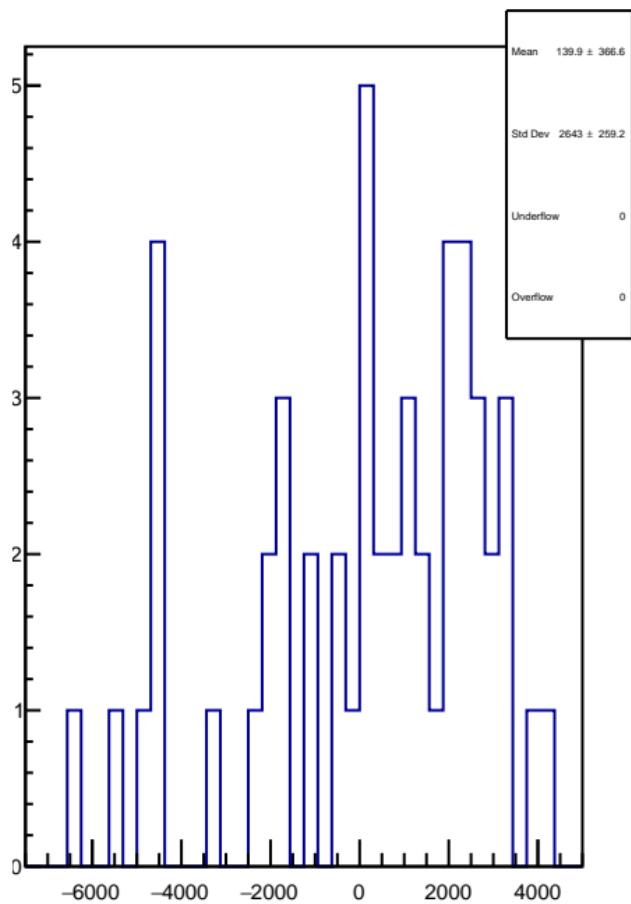
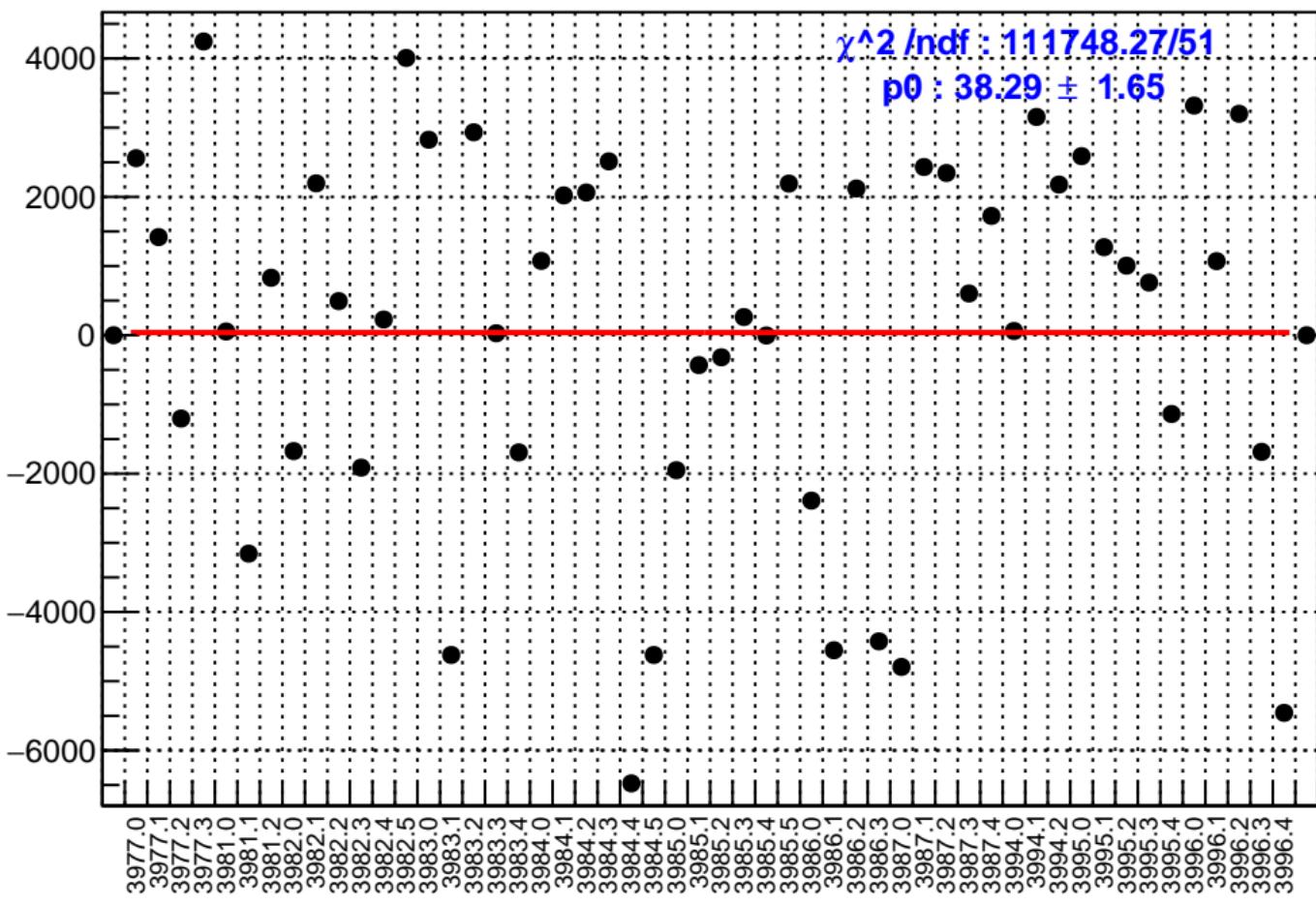


1D pull distribution



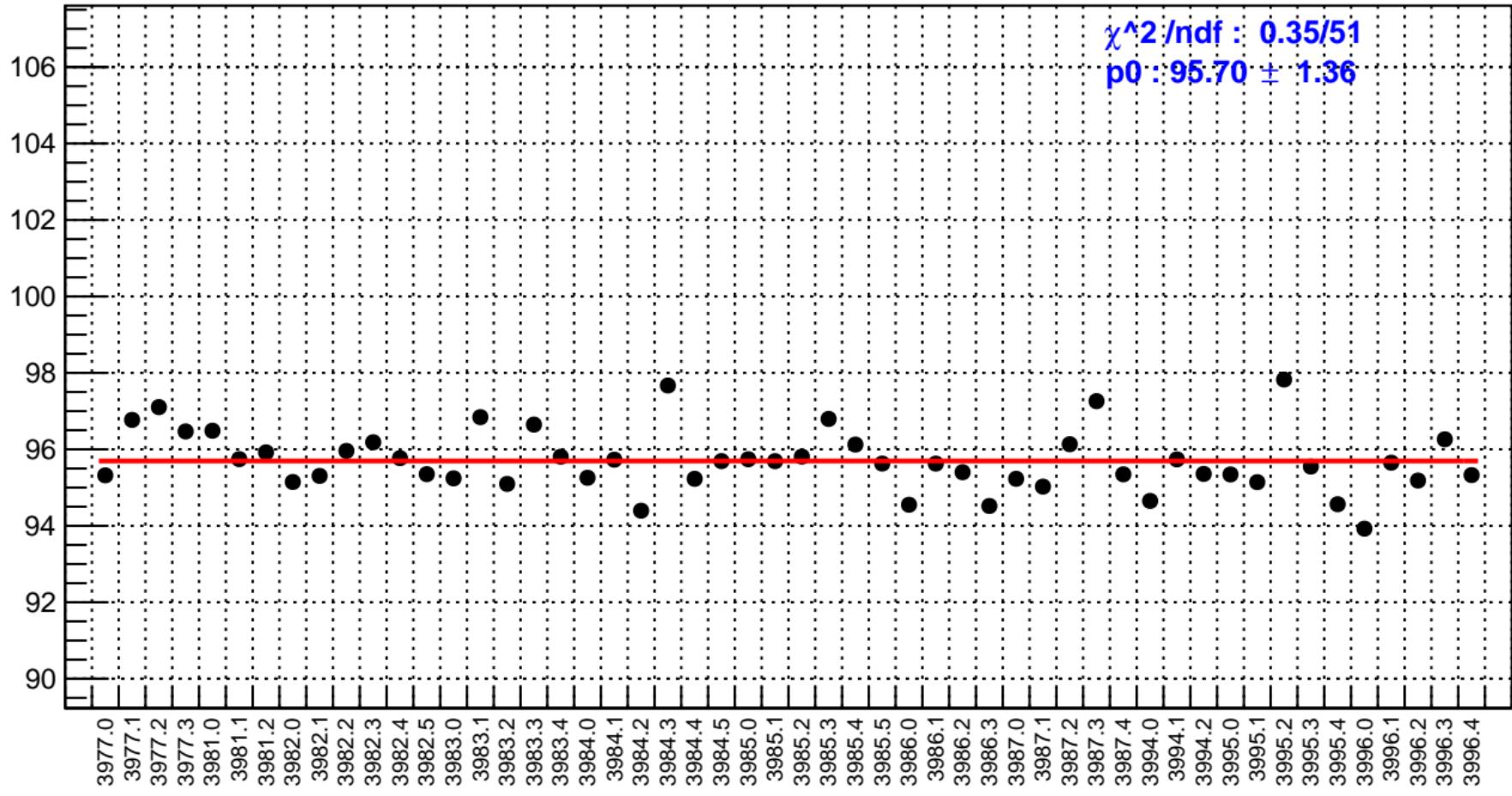
slug37: asym\_us\_avg.mean/ppb-reg\_asym\_us\_avg.mean/ppb

slug37: 1D Corr asym\_us\_avg.mean/ppb-reg\_asym\_us\_avg.mean/ppb

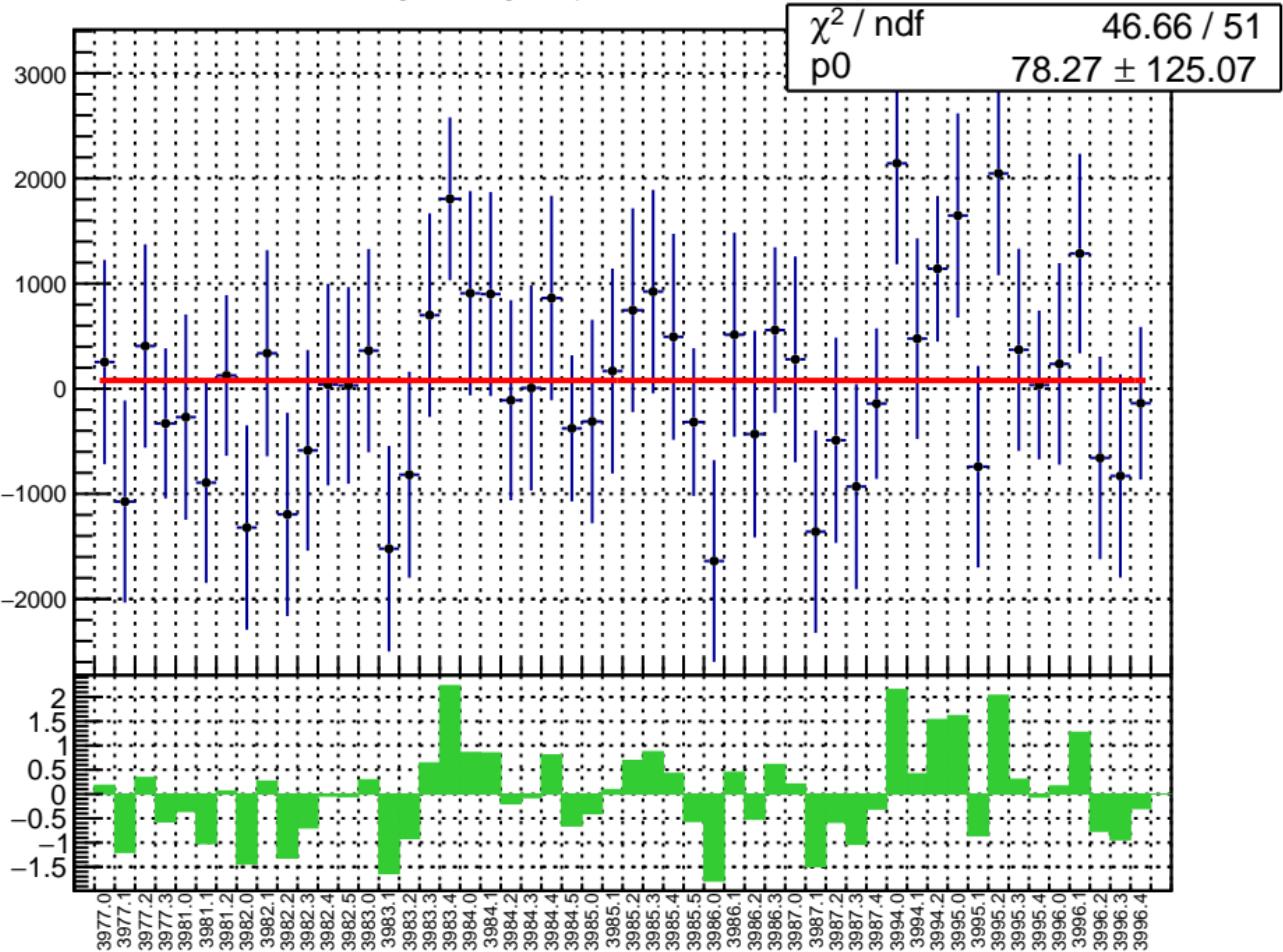


# slug37: reg\_asym\_us\_avg.rms/ppm

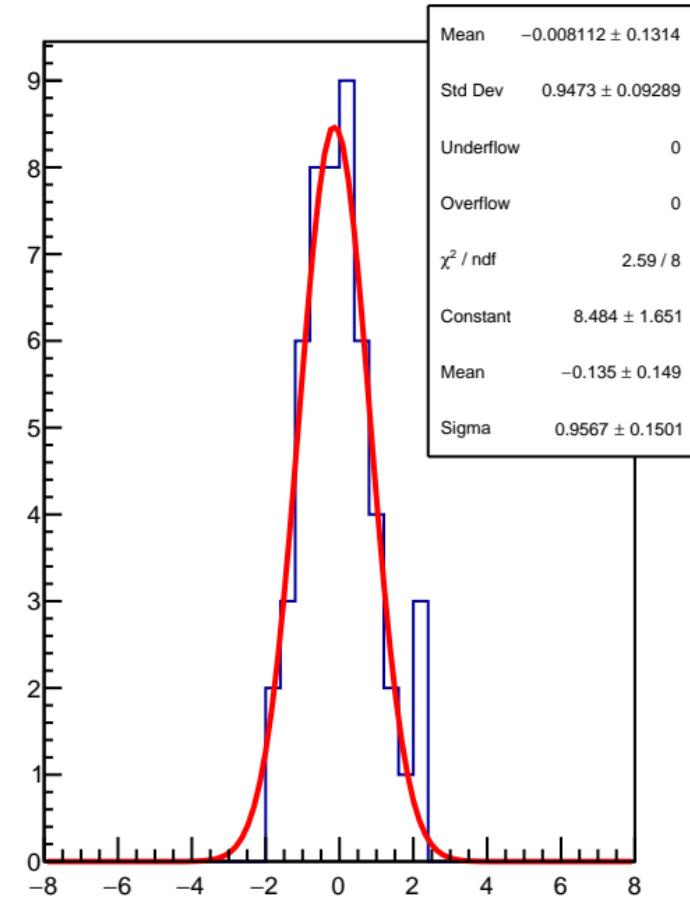
$\chi^2/\text{ndf} : 0.35/51$   
 $p_0 : 95.70 \pm 1.36$



slug37: reg\_asym\_us\_dd.mean/ppb

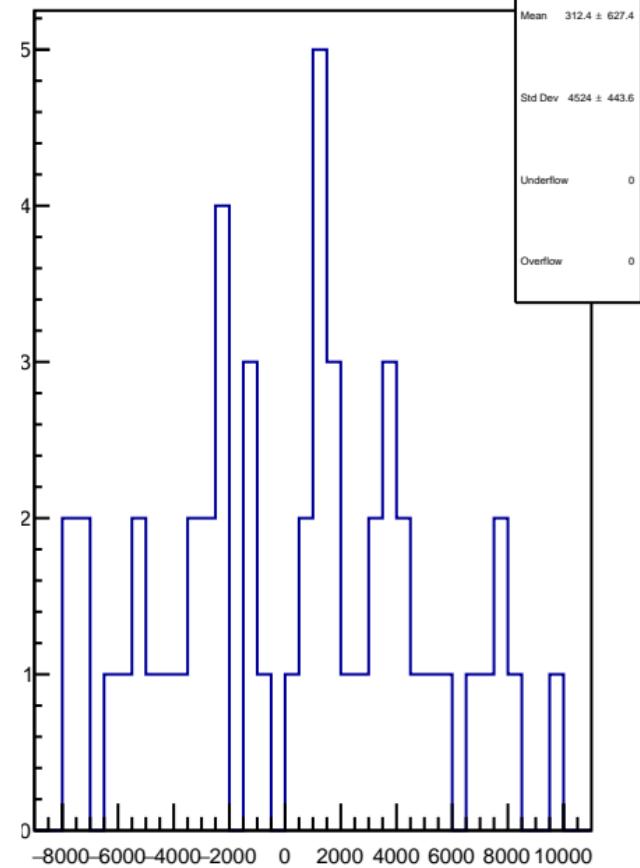
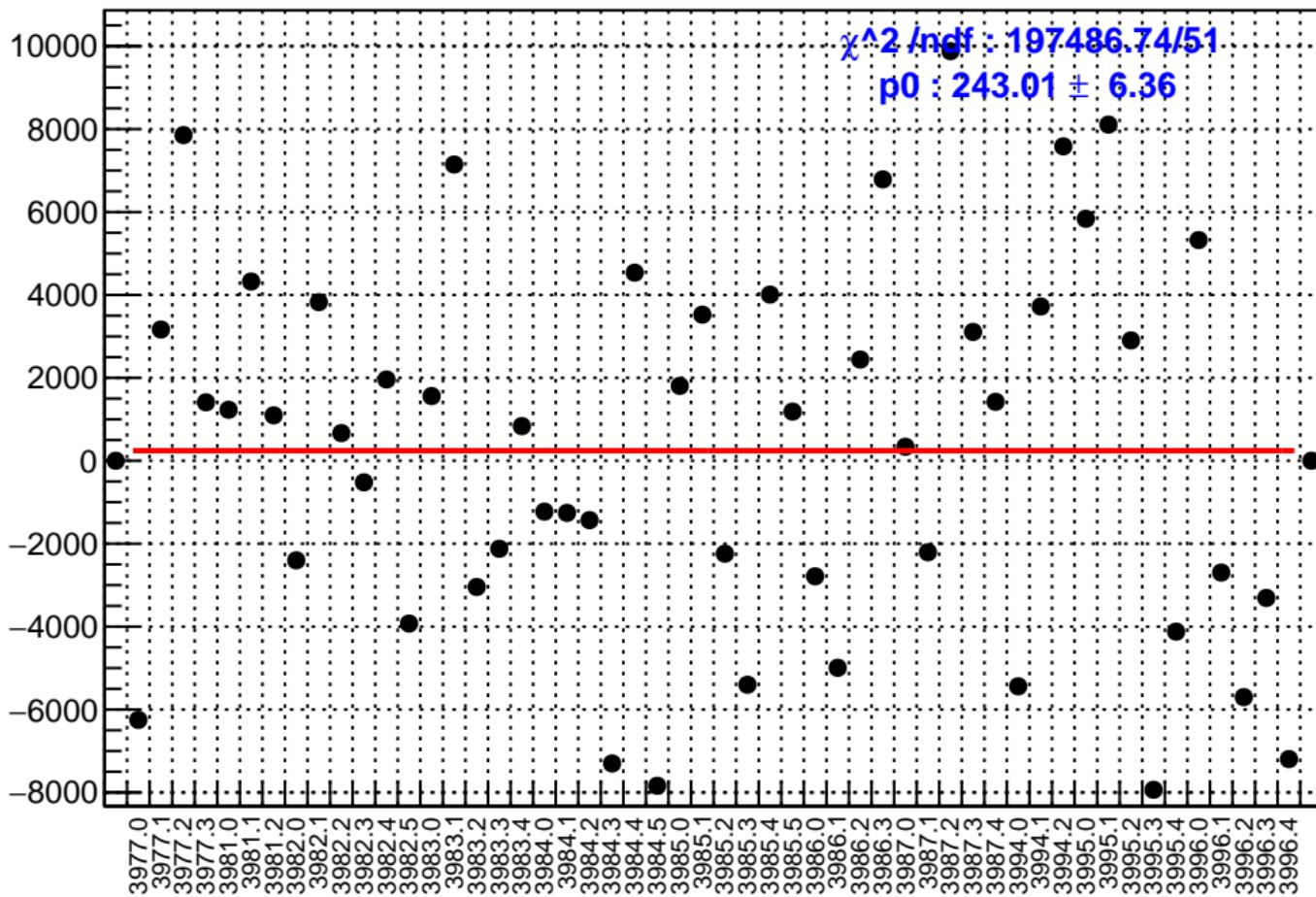


1D pull distribution

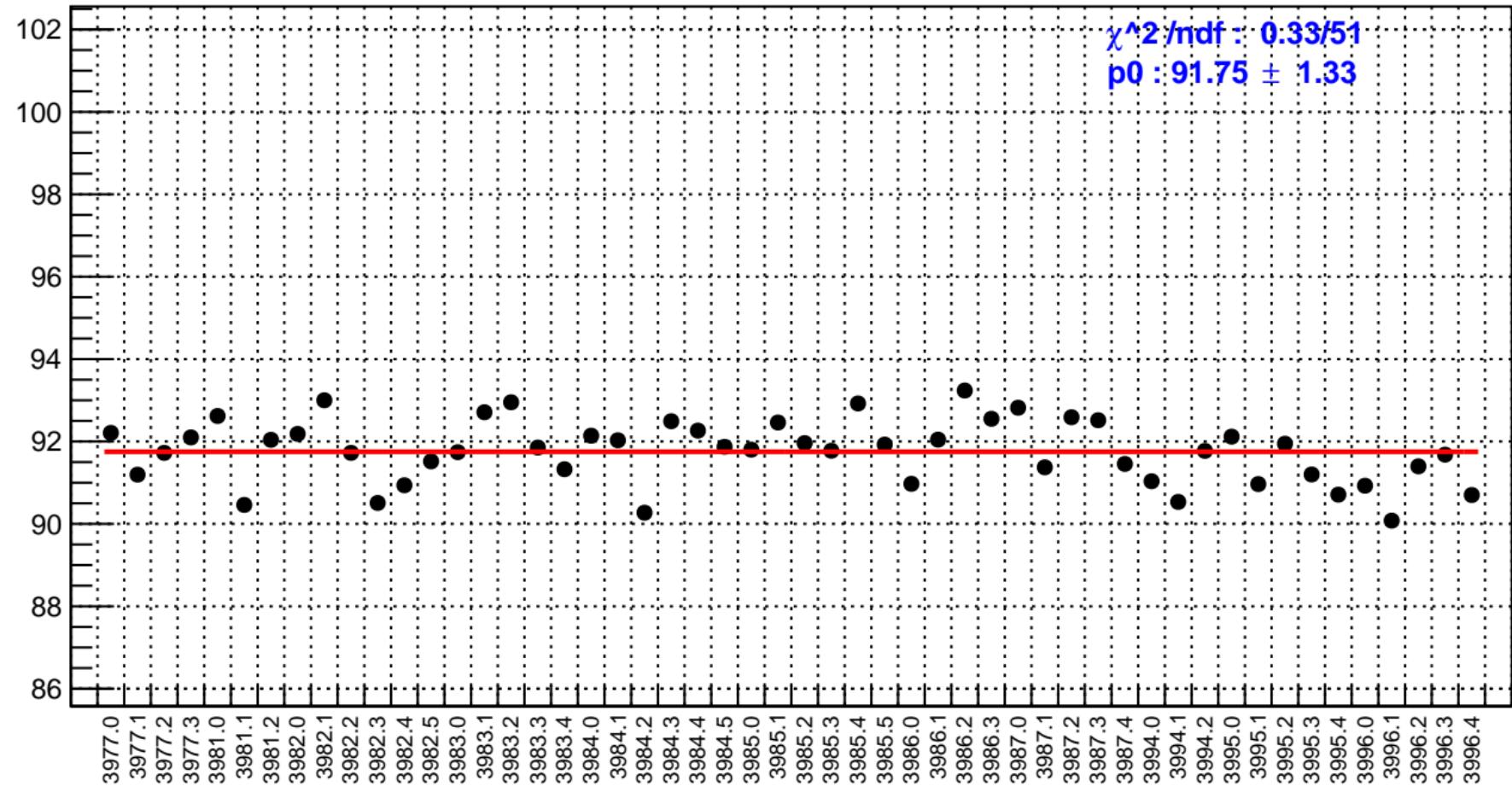


slug37: asym\_us\_dd.mean/ppb-reg\_asym\_us\_dd.mean/ppb

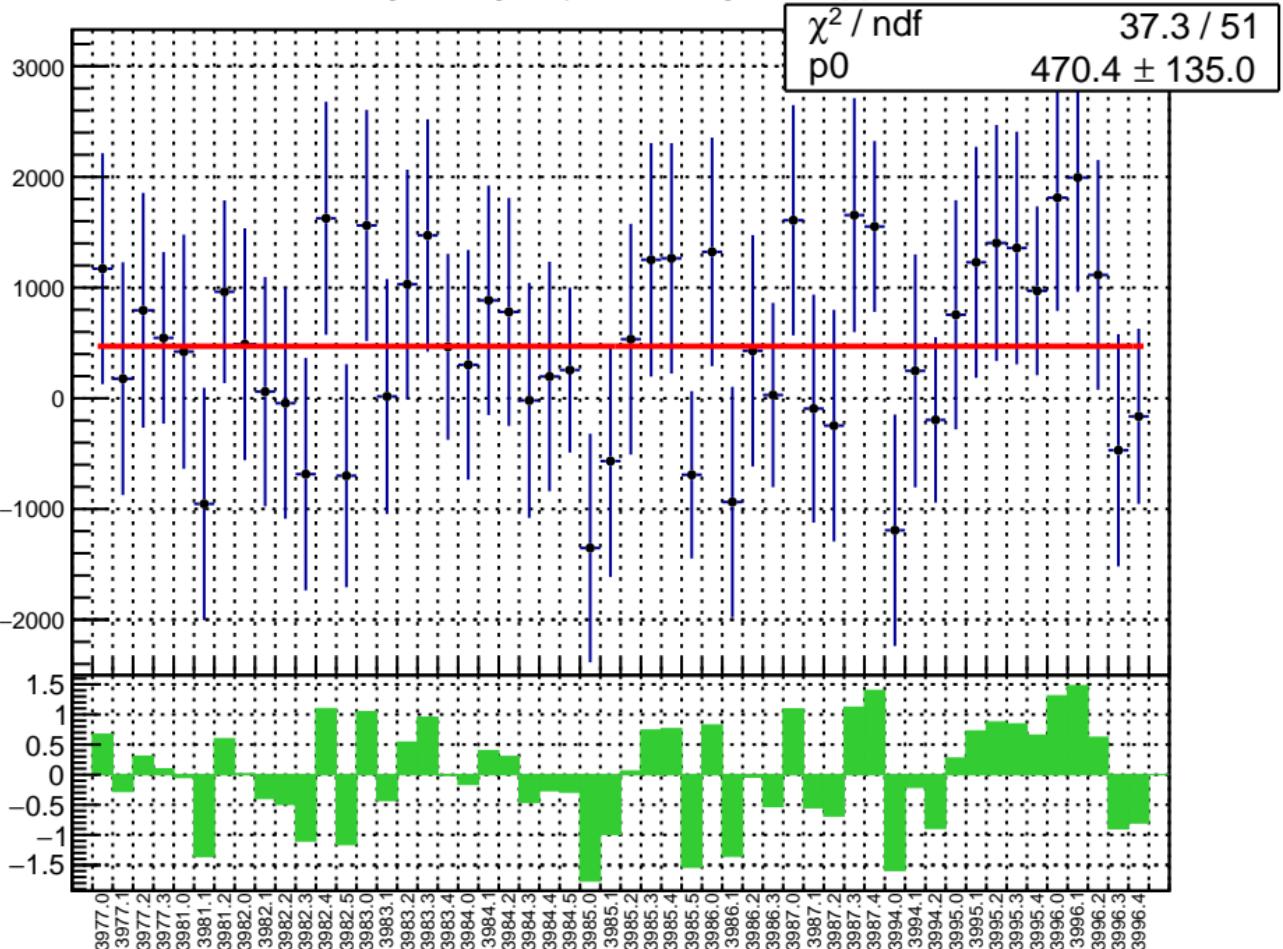
slug37: 1D Corr asym\_us\_dd.mean/ppb-reg\_asym\_us\_dd.mean/ppb



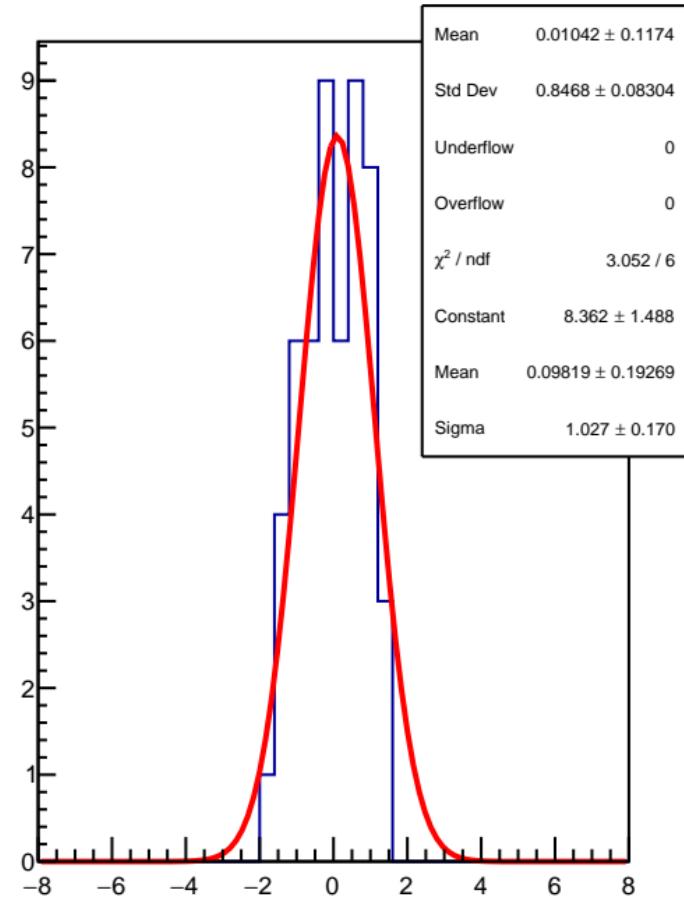
# slug37: reg\_asym\_us\_dd.rms/ppm



slug37: reg\_asym\_ds\_avg.mean/ppb

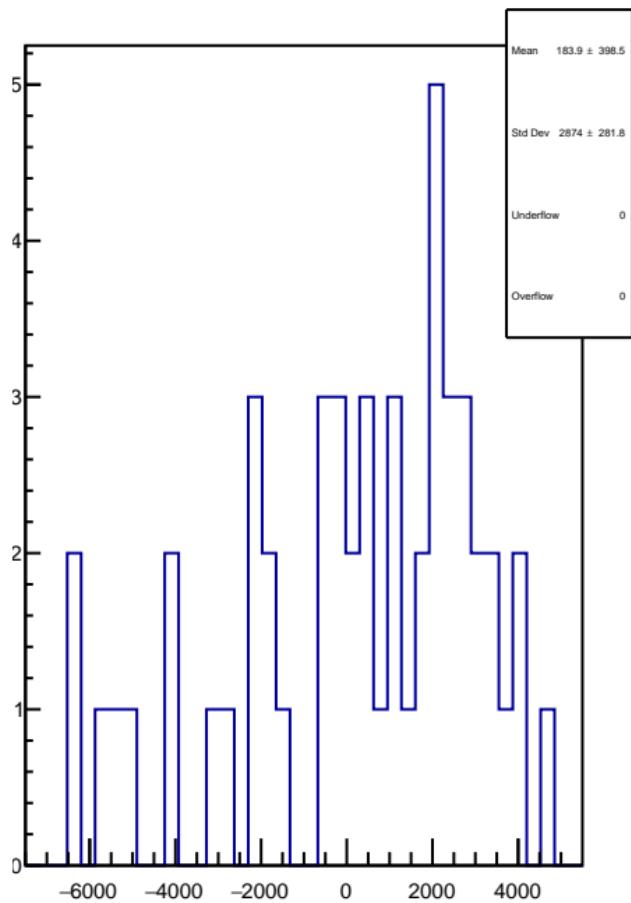
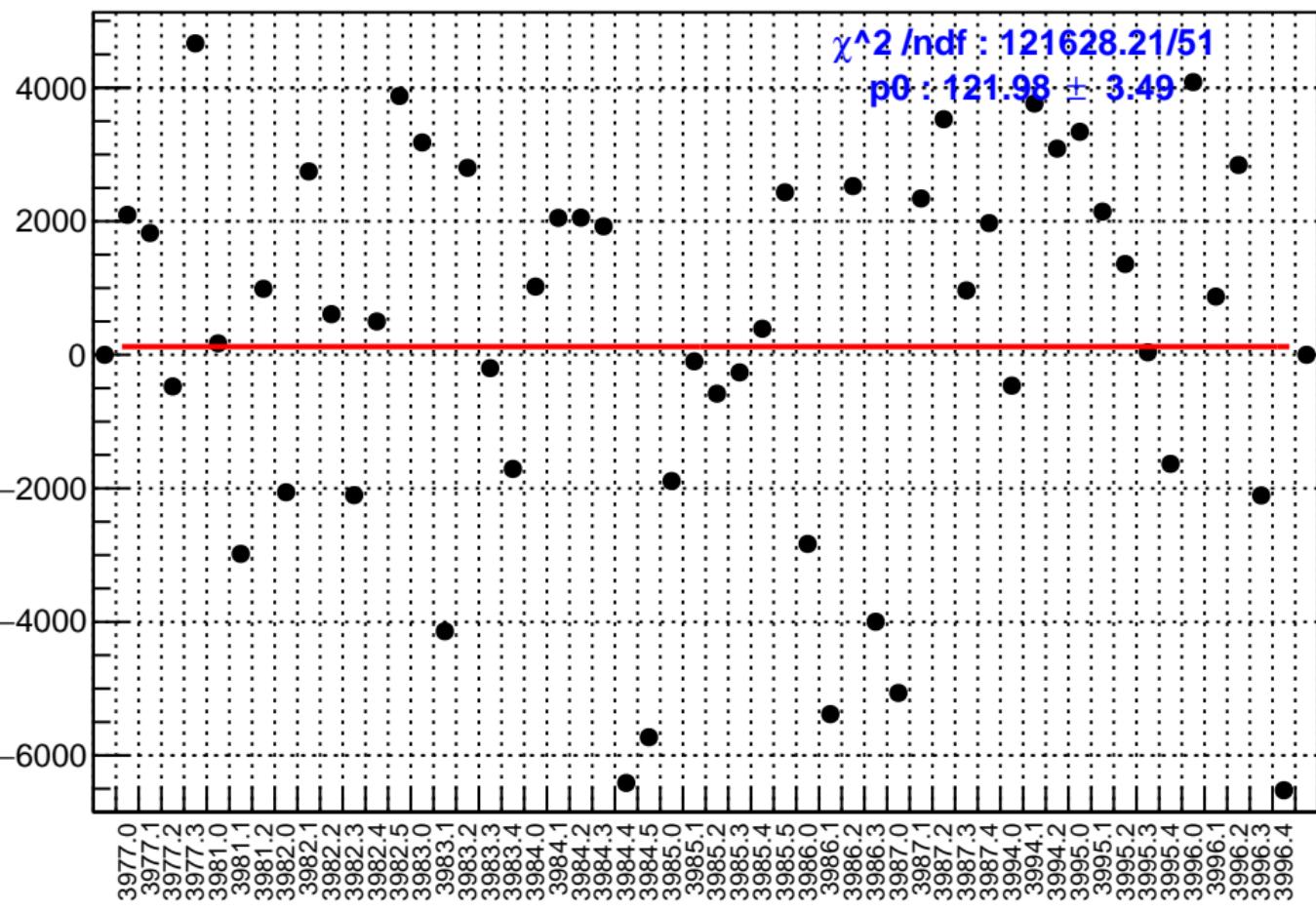


1D pull distribution



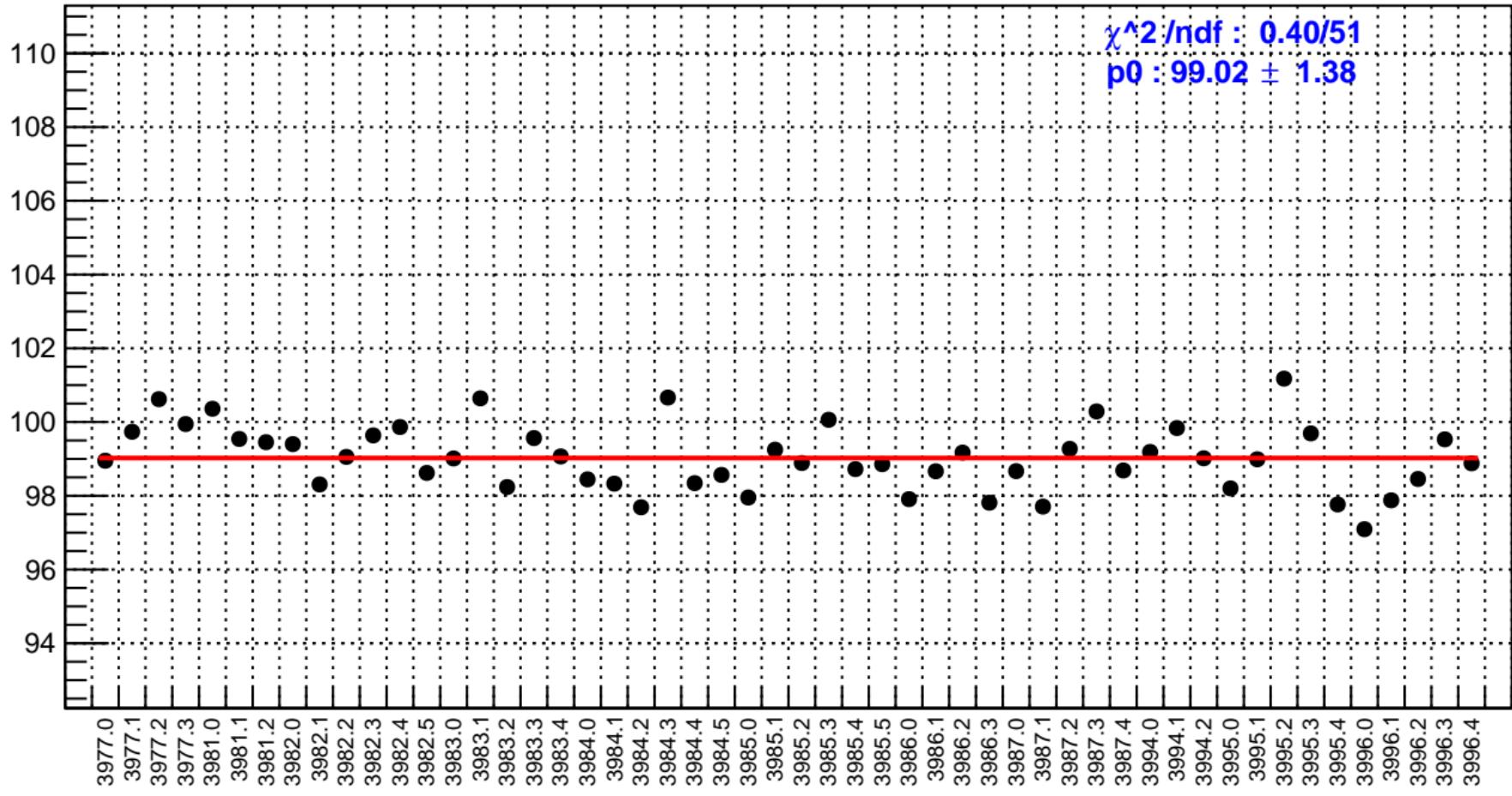
slug37: asym\_ds\_avg.mean/ppb-reg\_asym\_ds\_avg.mean/ppb

slug37: 1D Corr asym\_ds\_avg.mean/ppb-reg\_asym\_ds\_avg.mean/ppb

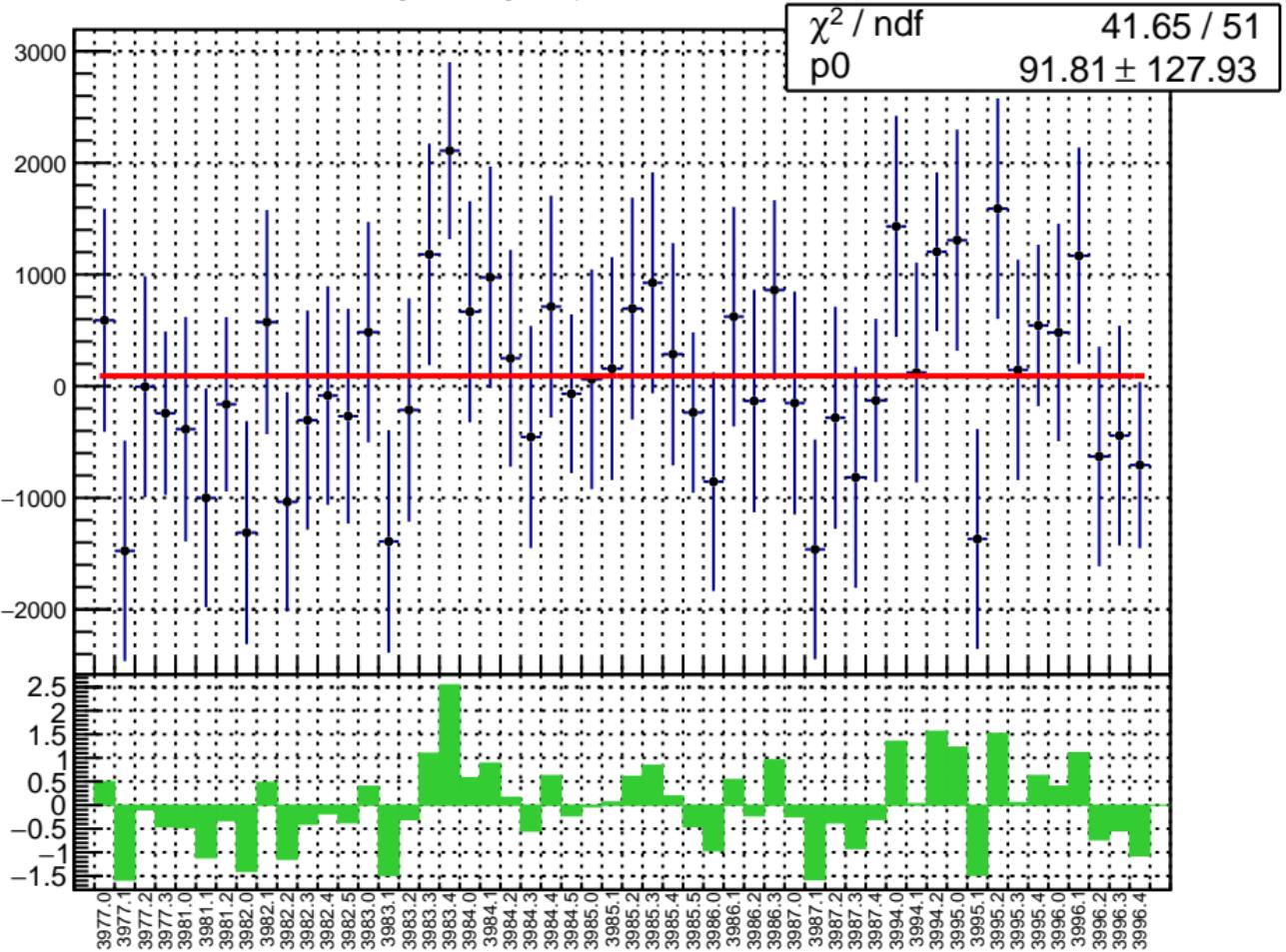


# slug37: reg\_asym\_ds\_avg.rms/ppm

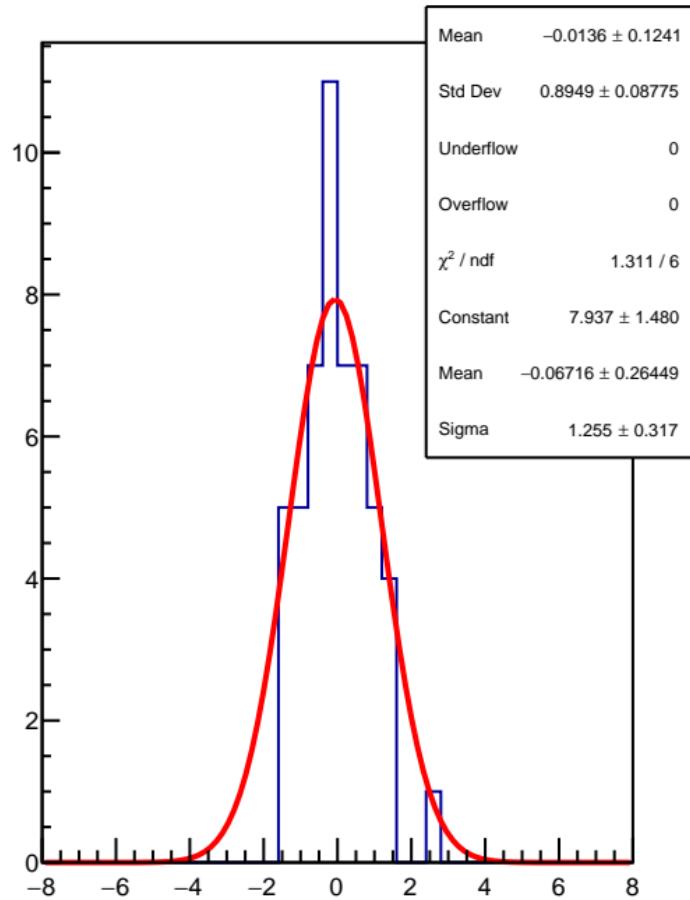
$\chi^2/\text{ndf} : 0.40/51$   
 $p_0 : 99.02 \pm 1.38$



## slug37: reg\_asym\_ds\_dd.mean/ppb

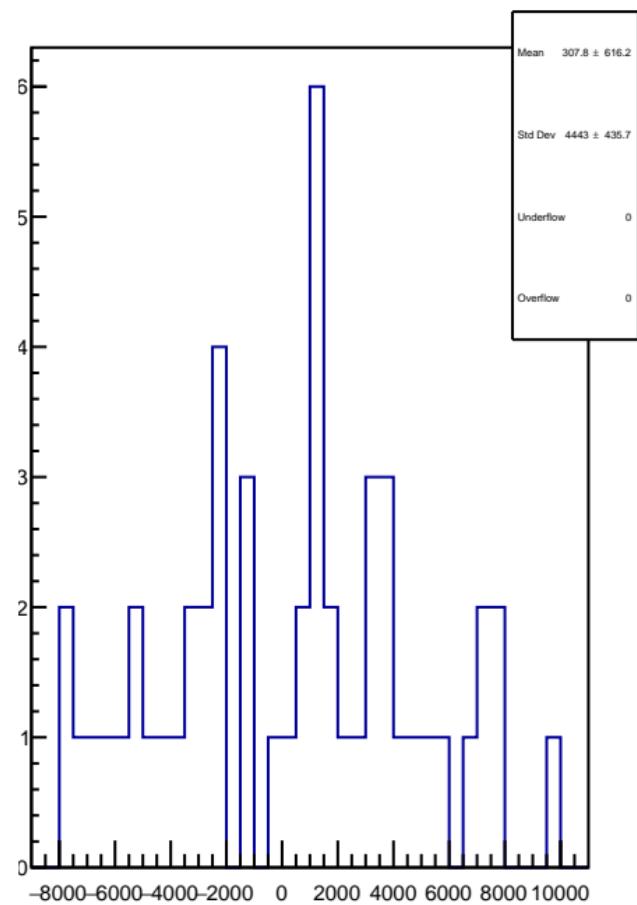
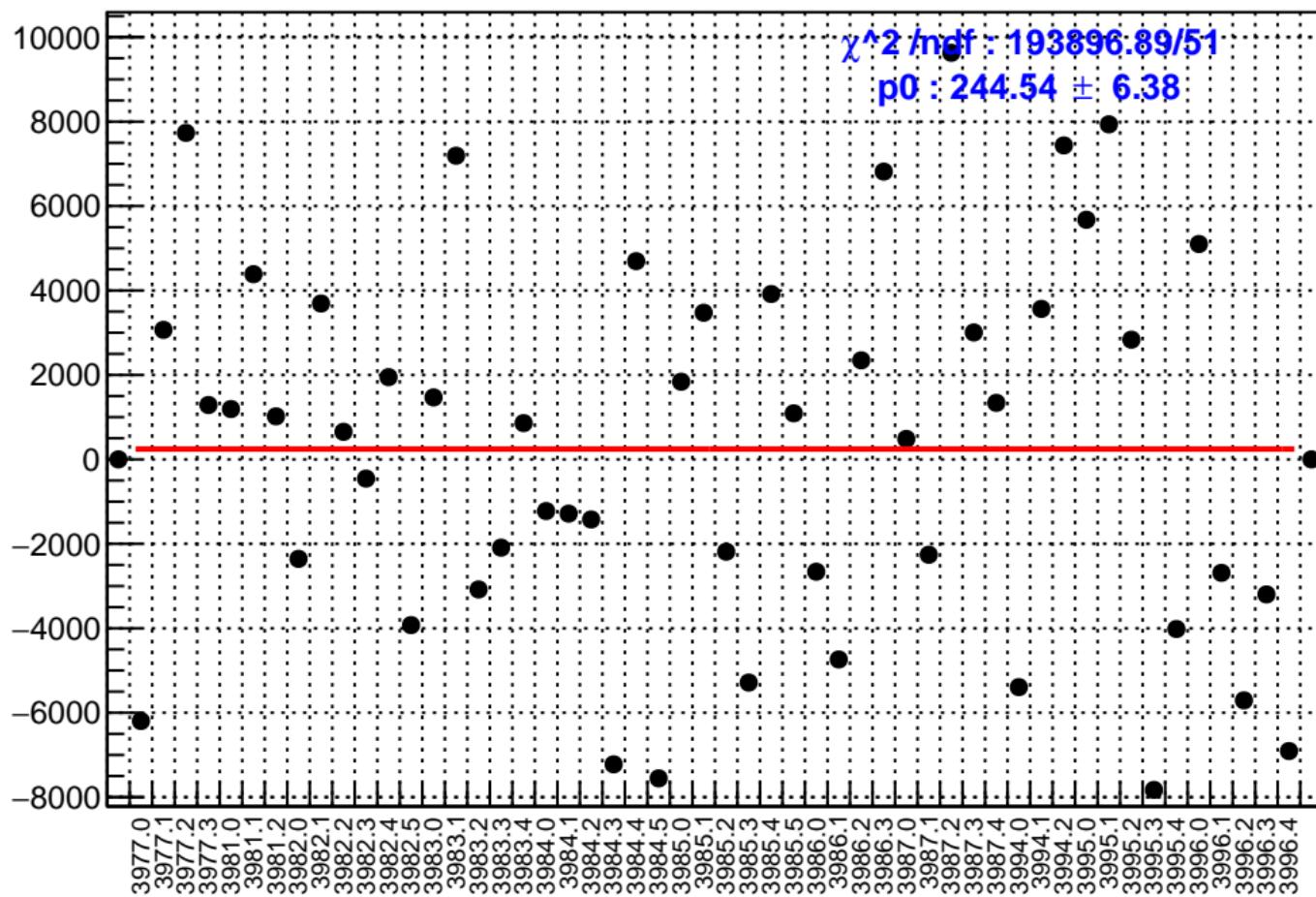


## 1D pull distribution

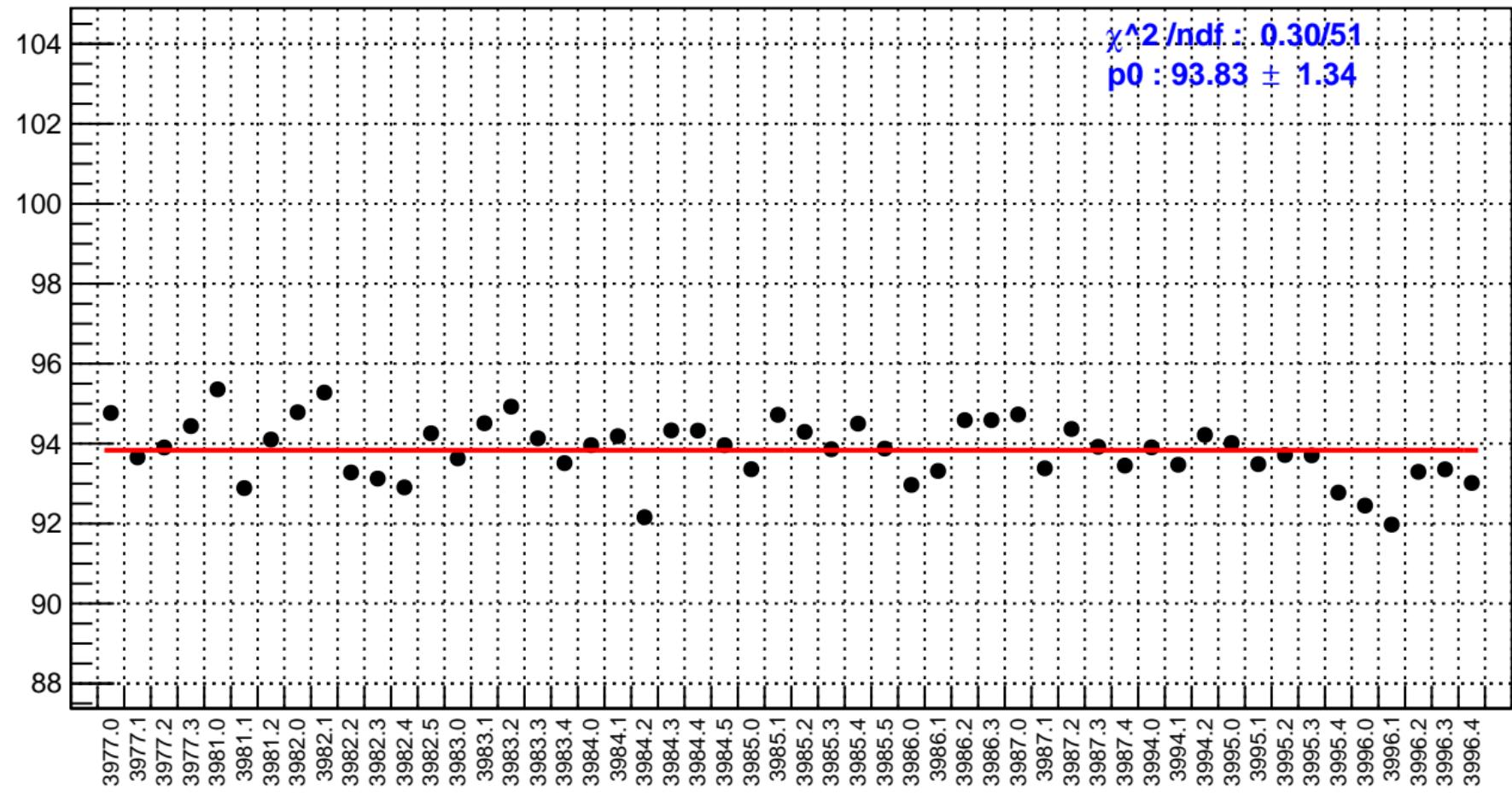


slug37: asym\_ds\_dd.mean/ppb-reg\_asym\_ds\_dd.mean/ppb

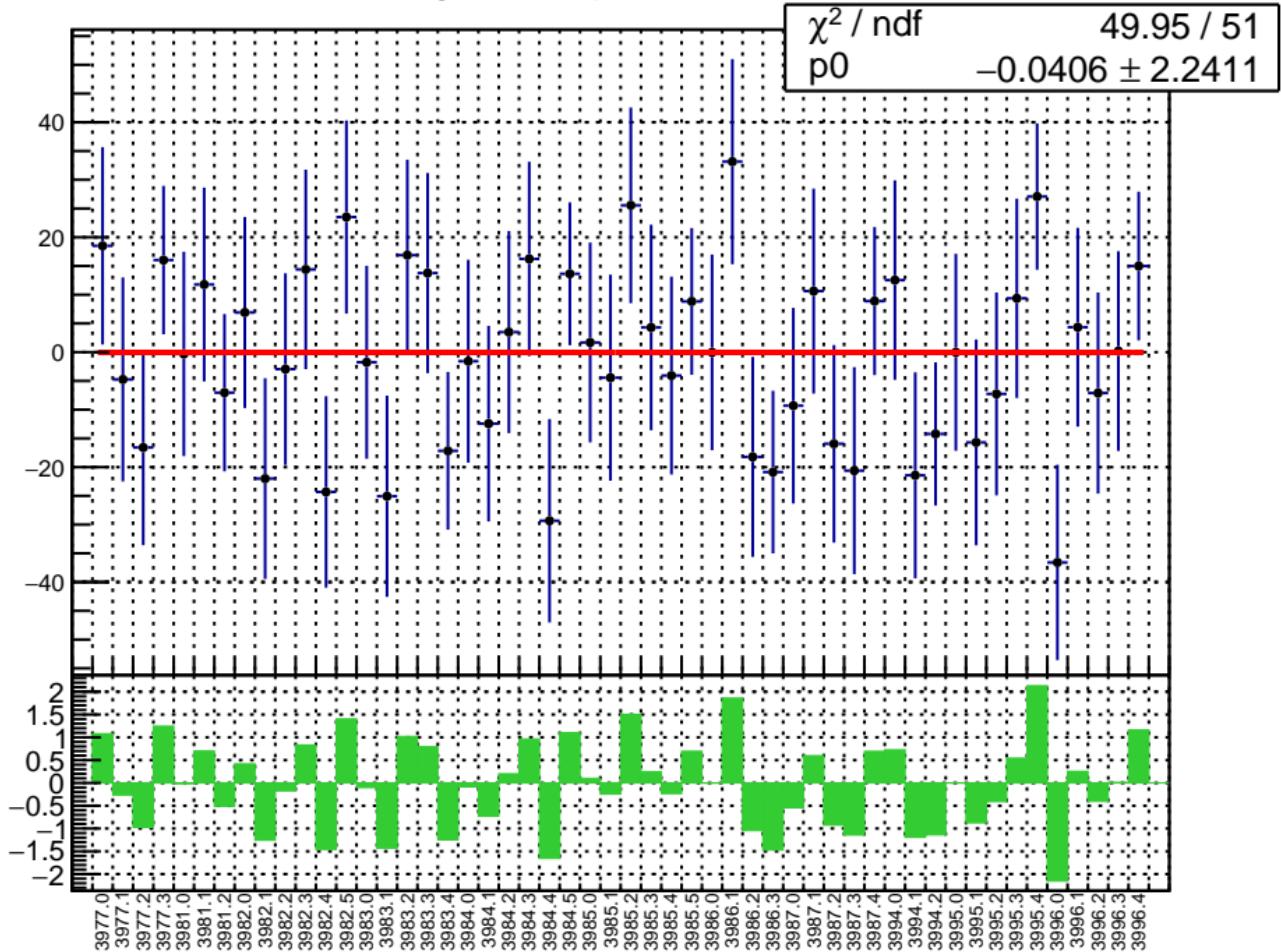
slug37: 1D Corr asym\_ds\_dd.mean/ppb-reg\_asym\_ds\_dd.mean/ppb



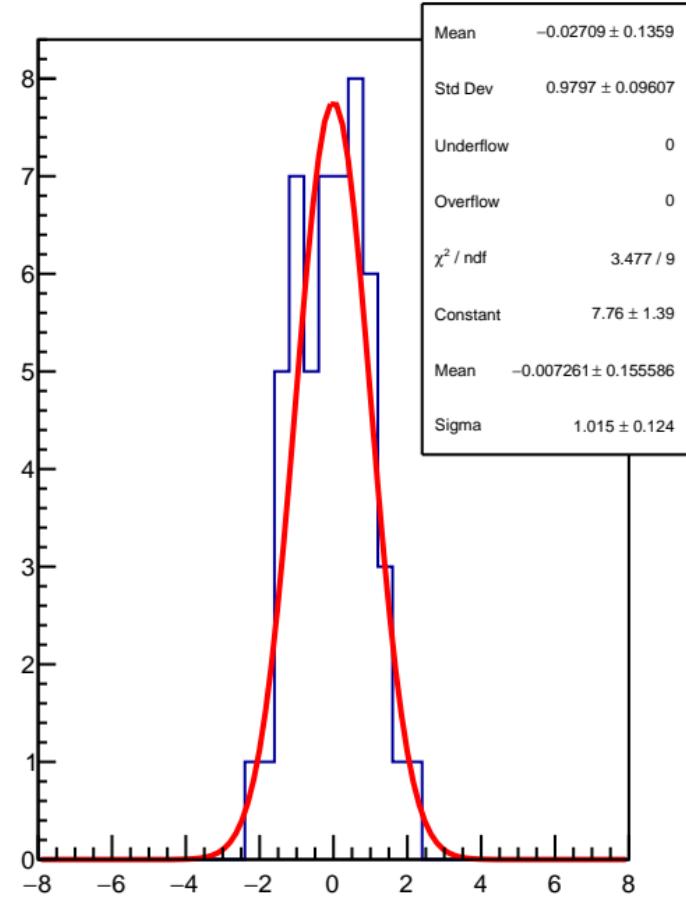
# slug37: reg\_asym\_ds\_dd.rms/ppm



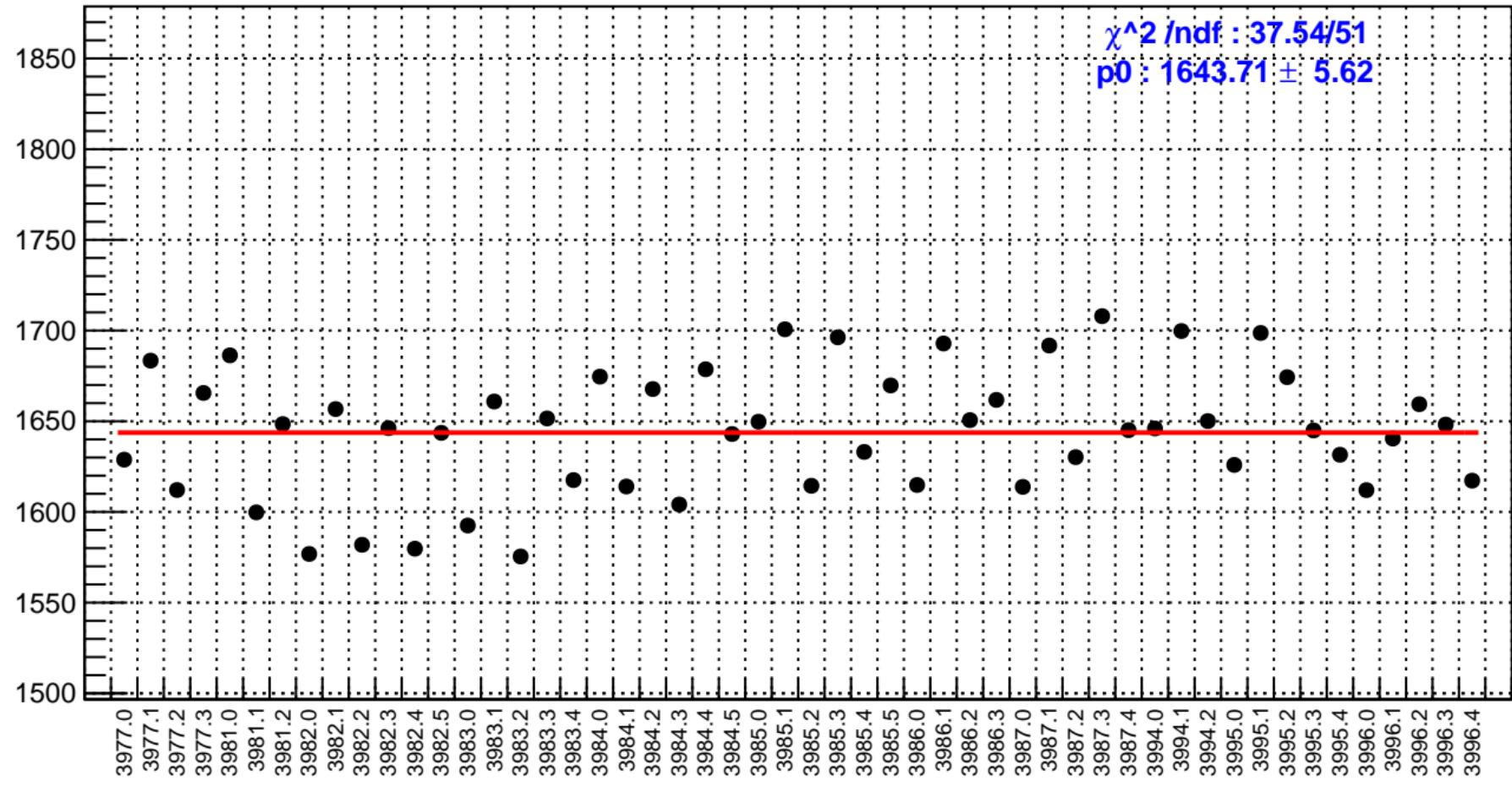
# slug37: diff\_bpm4aX.mean/nm



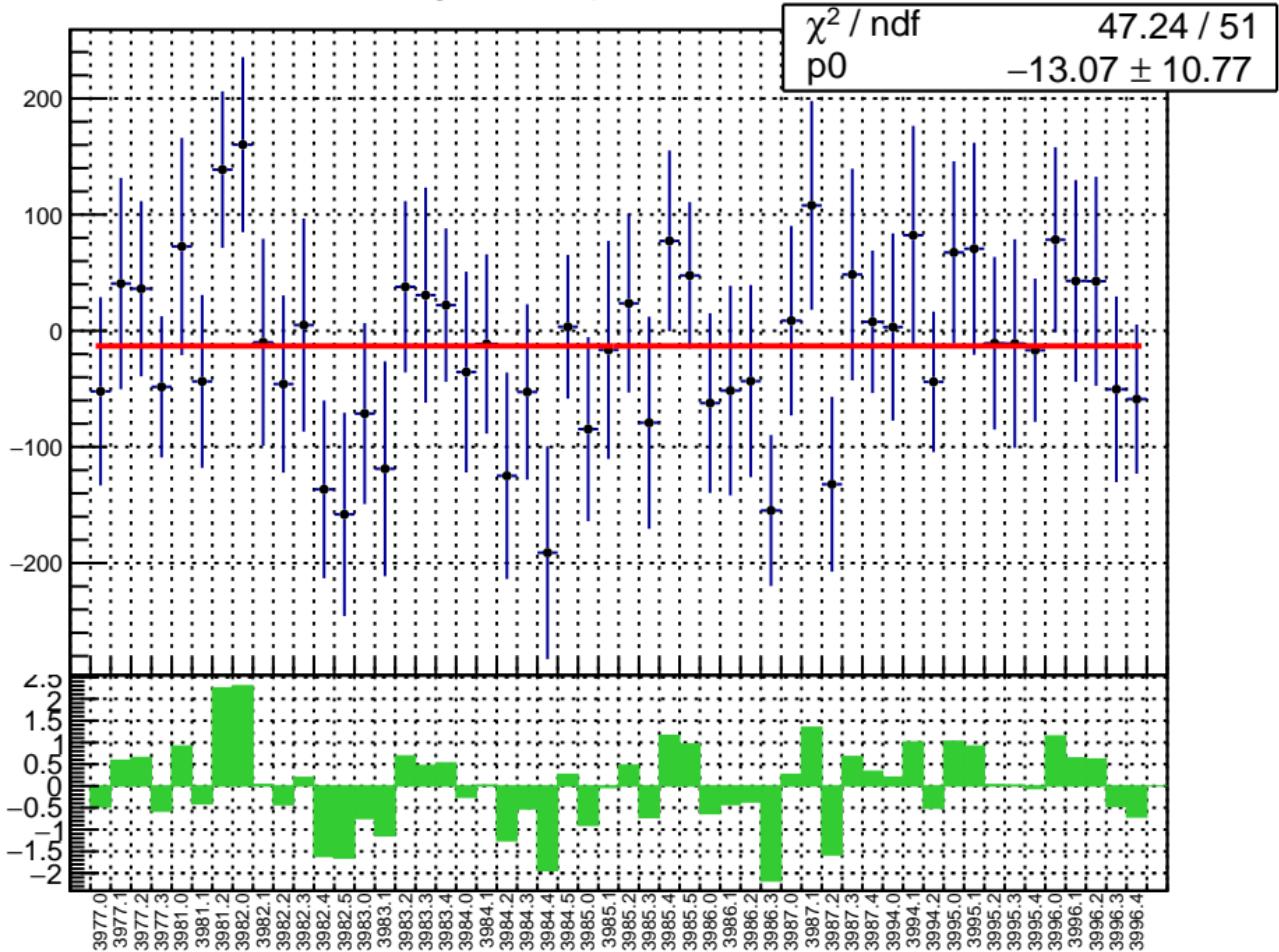
# 1D pull distribution



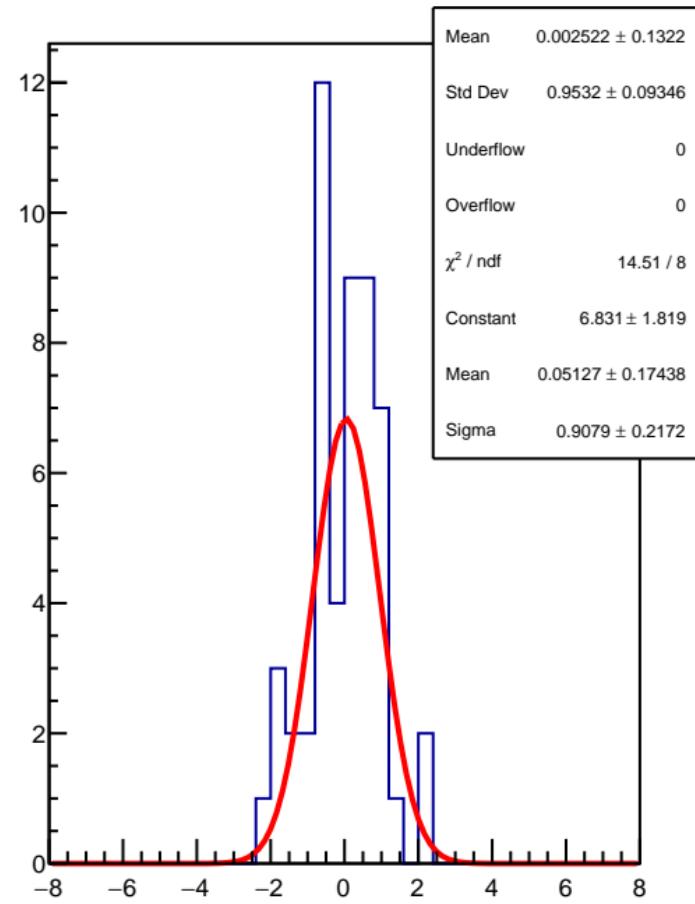
# slug37: diff\_bpm4aX.rms/nm



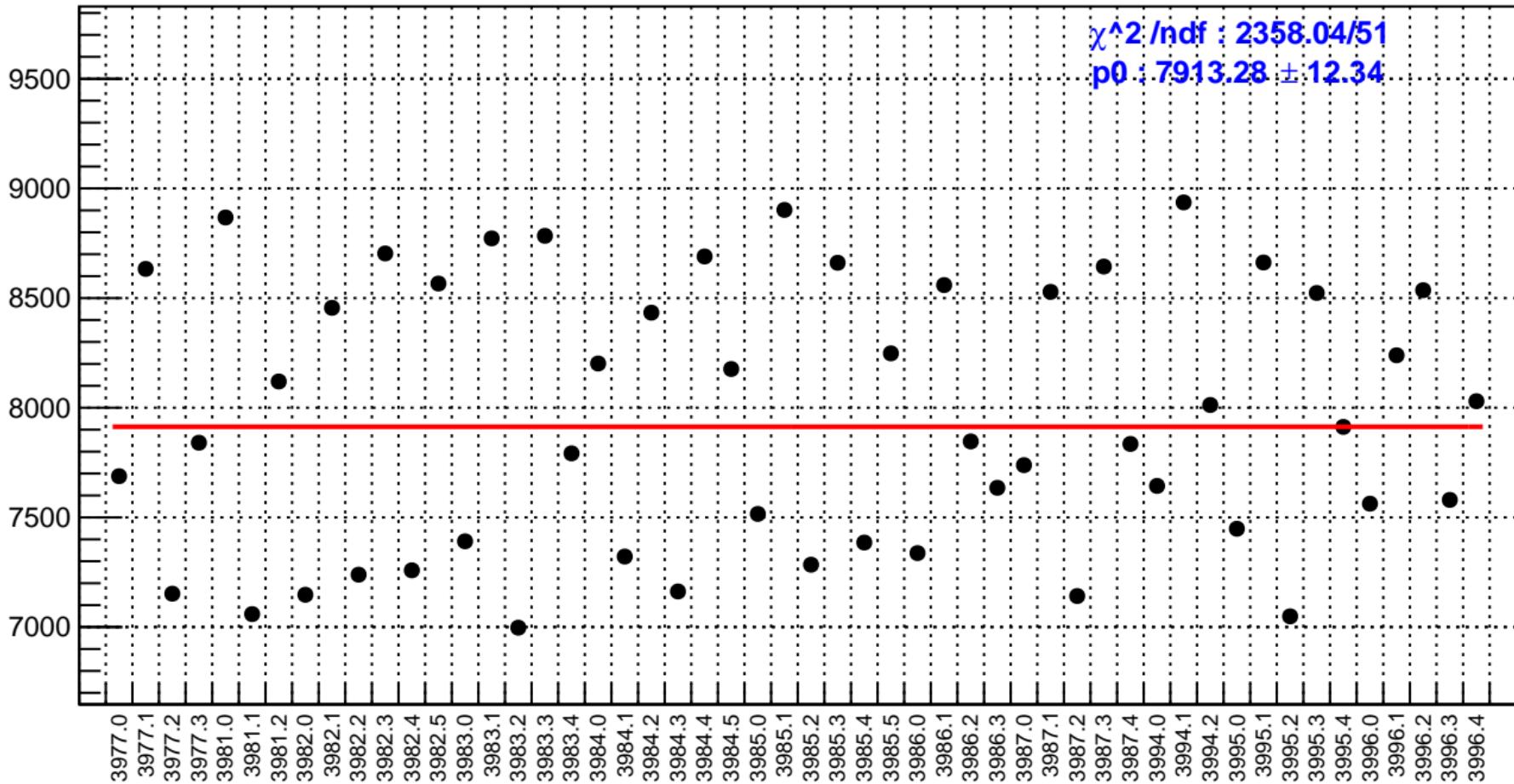
# slug37: diff\_bpm4aY.mean/nm



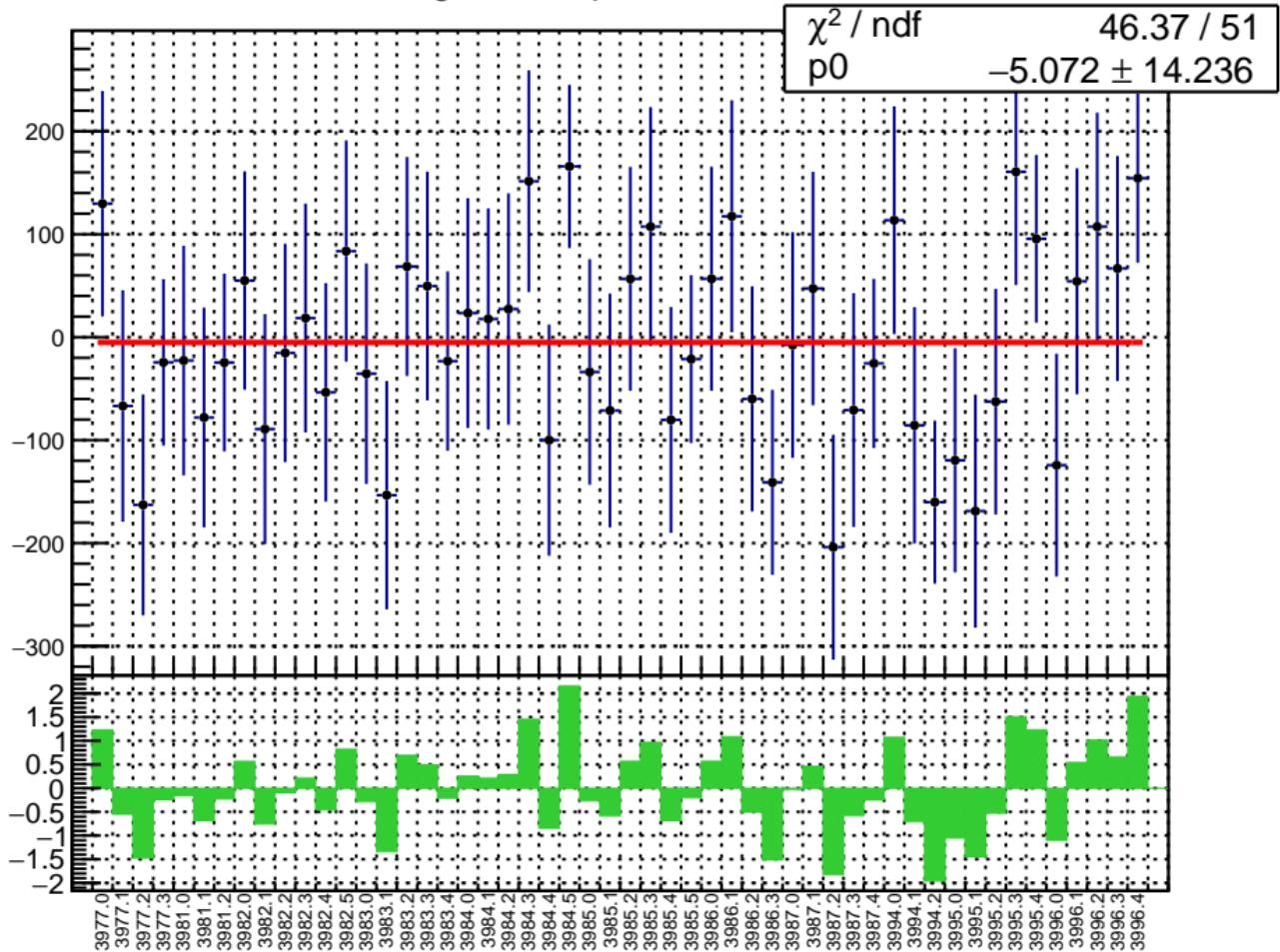
# 1D pull distribution



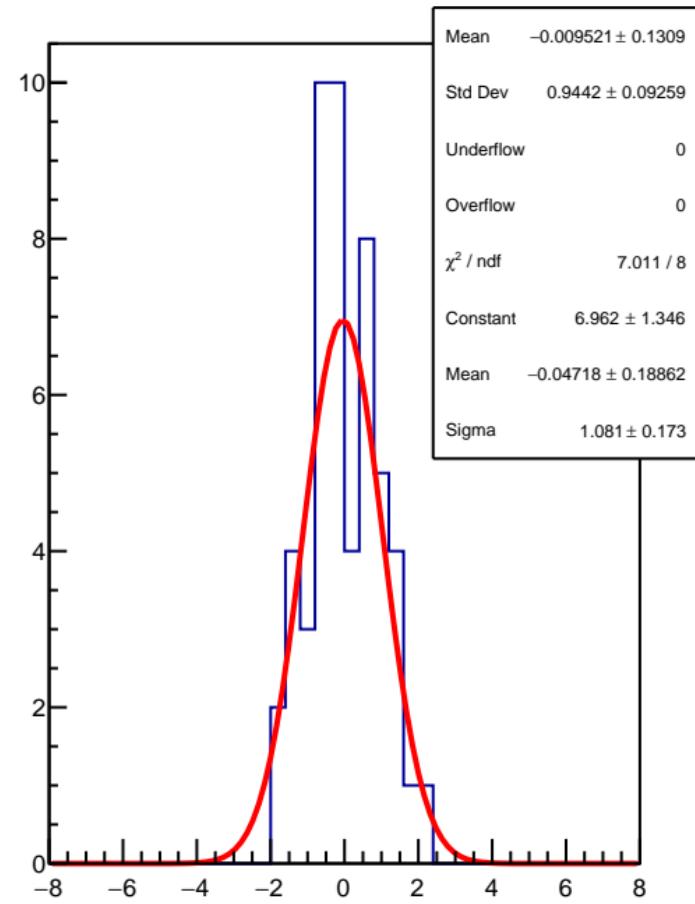
# slug37: diff\_bpm4aY.rms/nm



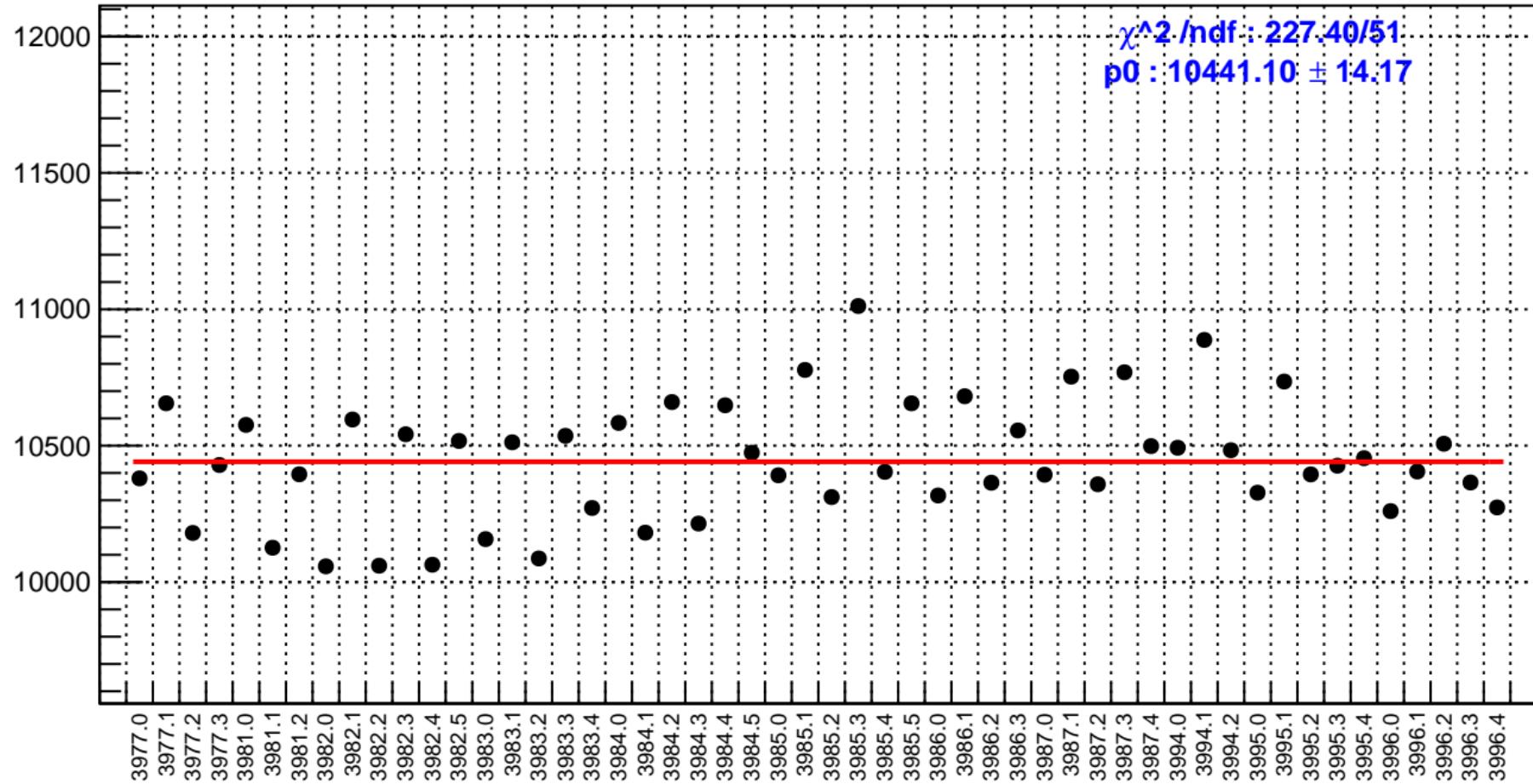
# slug37: diff\_bpm4eX.mean/nm



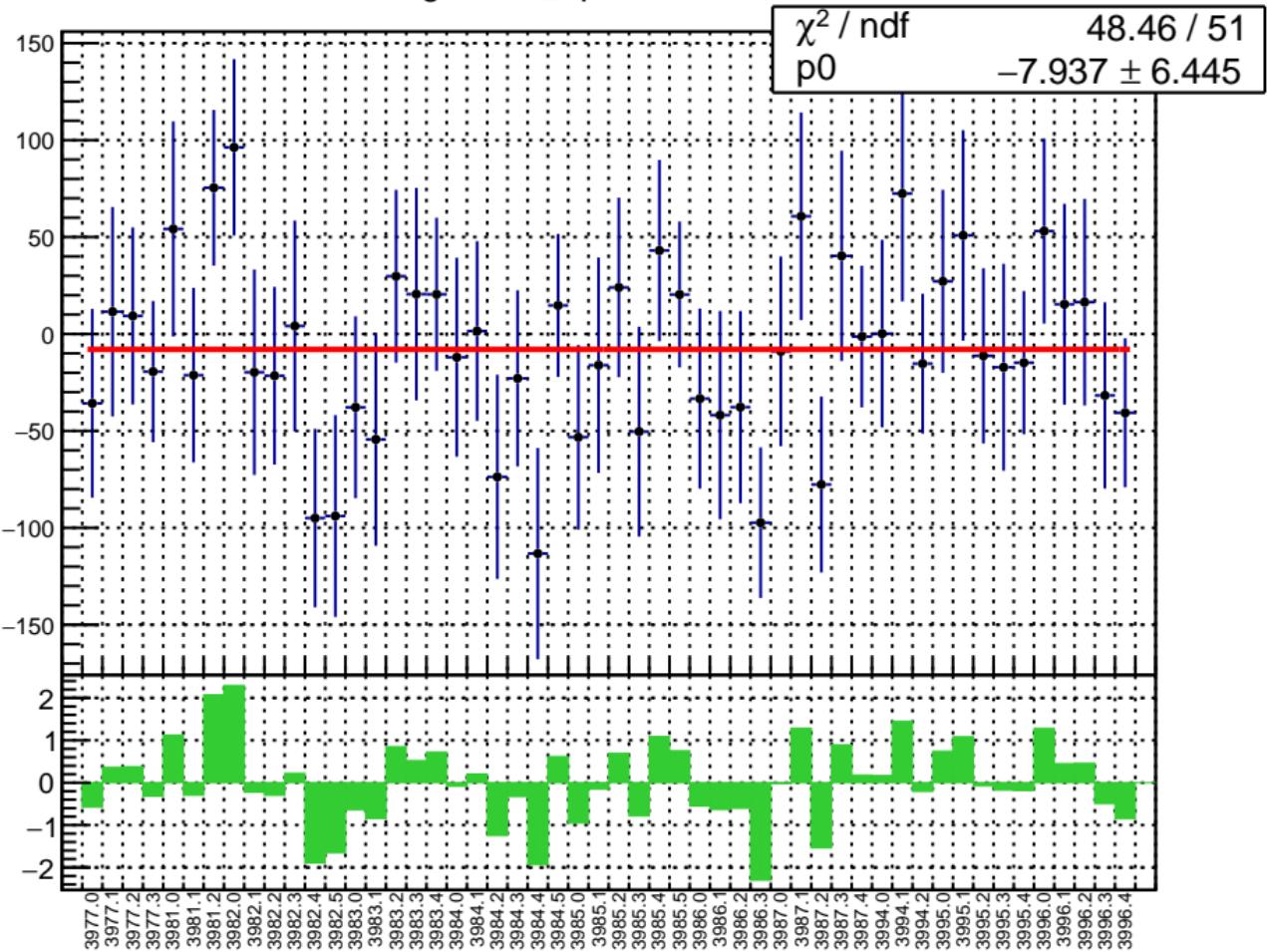
# 1D pull distribution



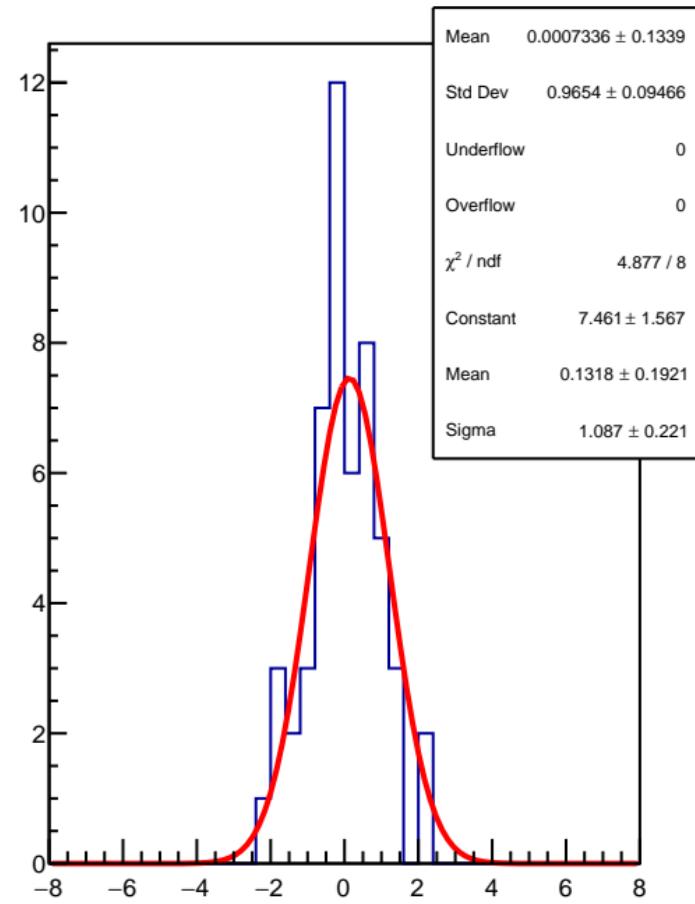
# slug37: diff\_bpm4eX.rms/nm



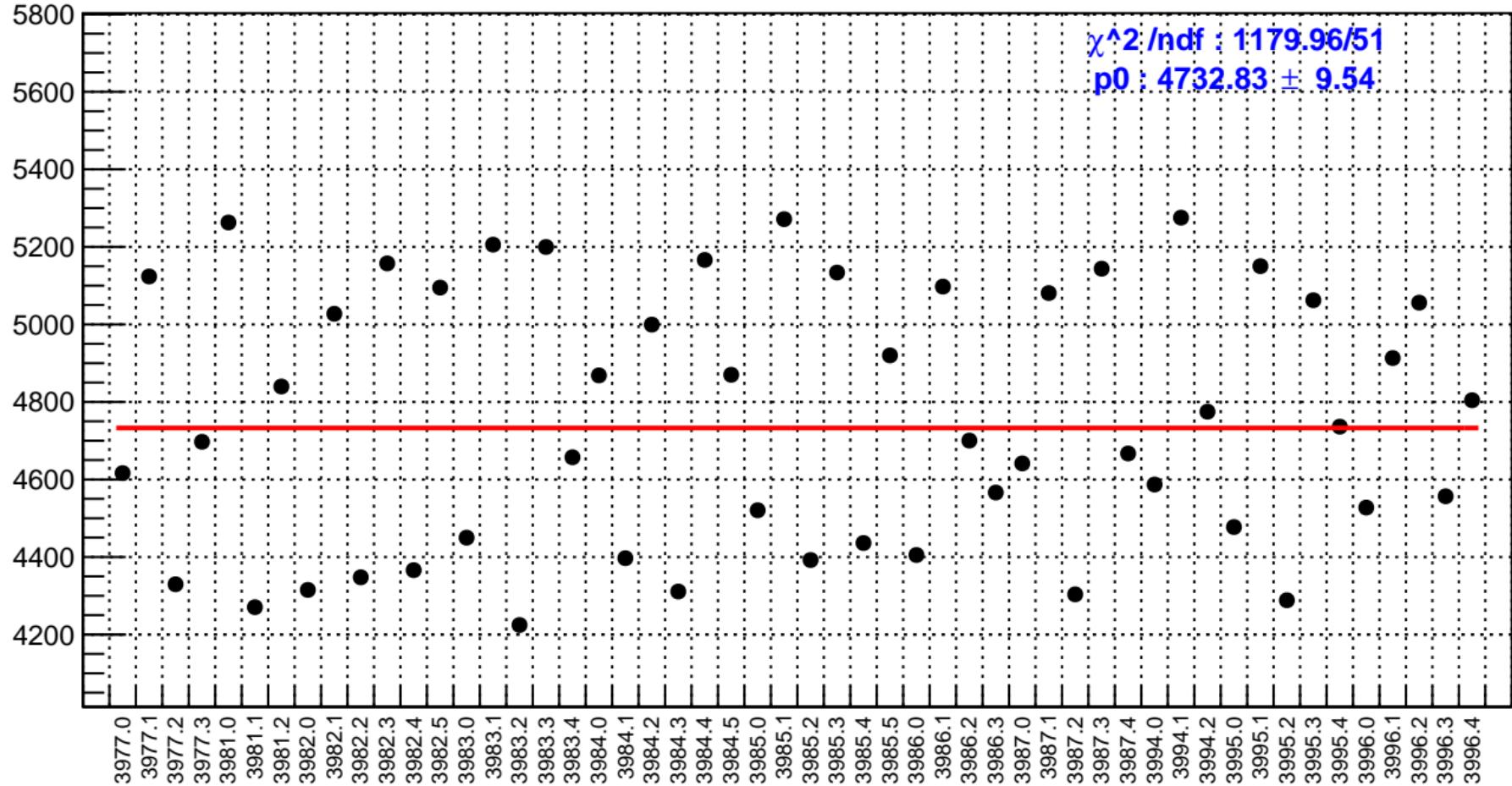
# slug37: diff\_bpm4eY.mean/nm



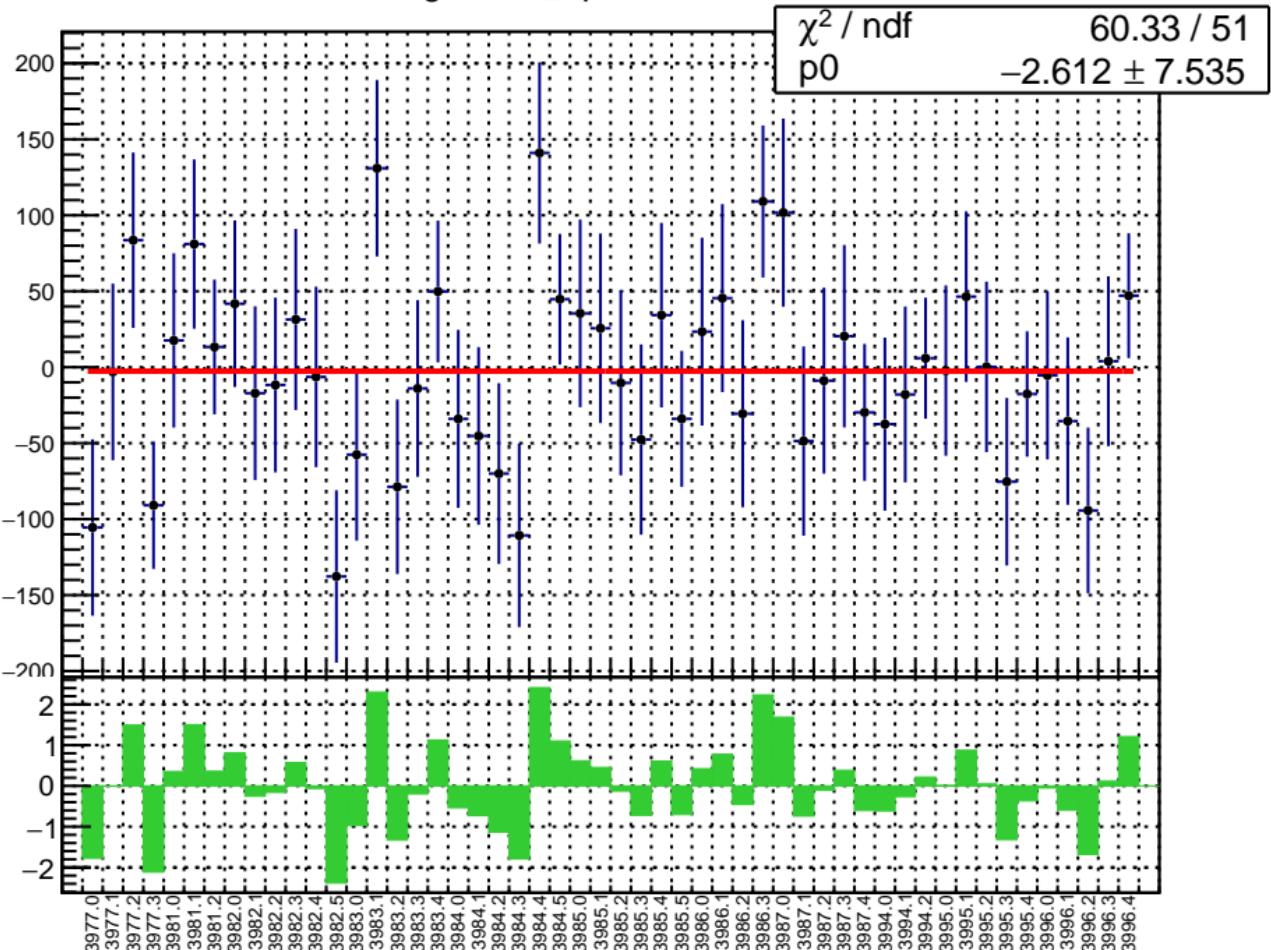
# 1D pull distribution



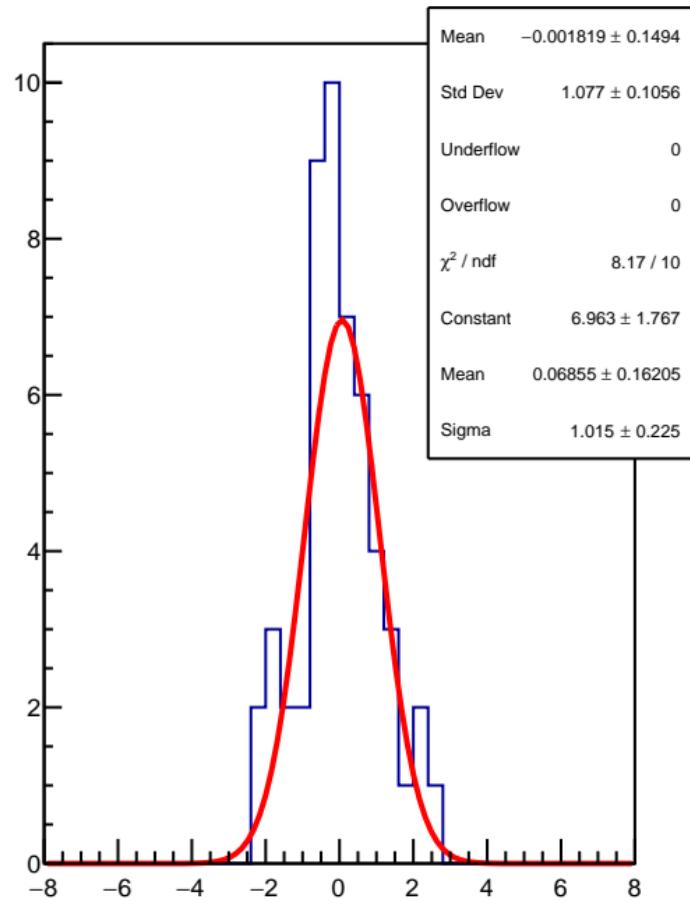
# slug37: diff\_bpm4eY.rms/nm



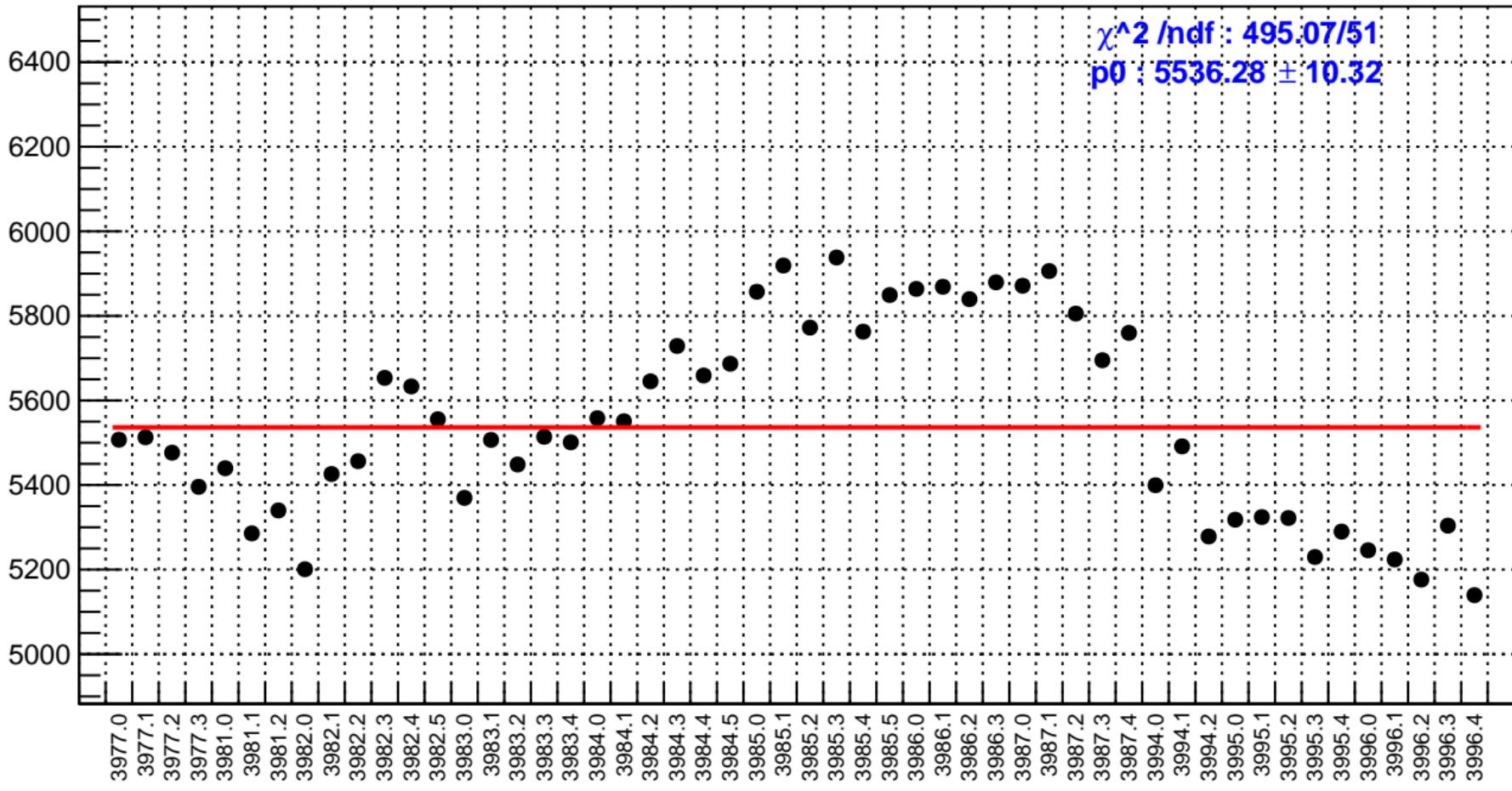
## slug37: diff\_bpm11X.mean/nm



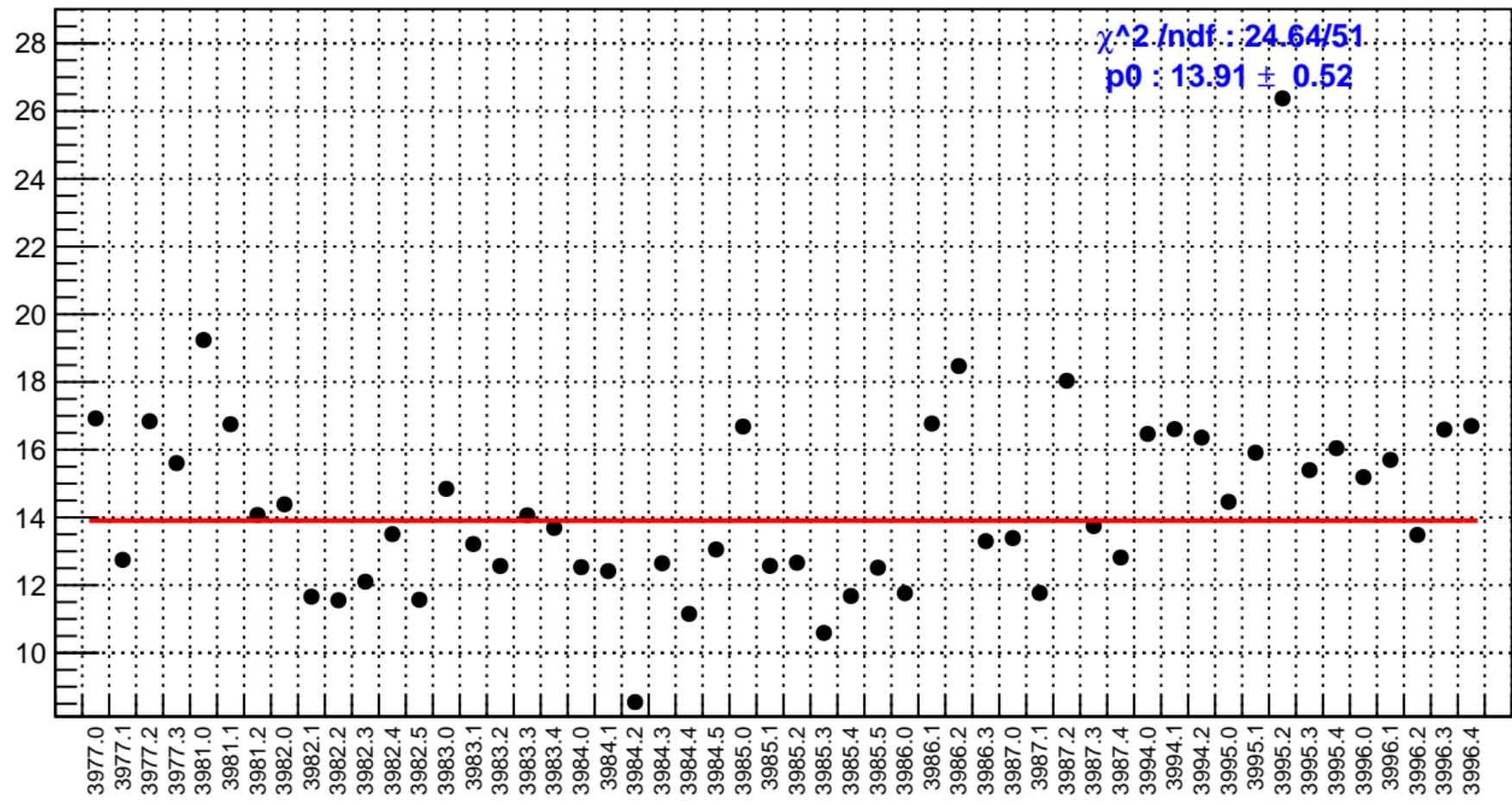
## 1D pull distribution



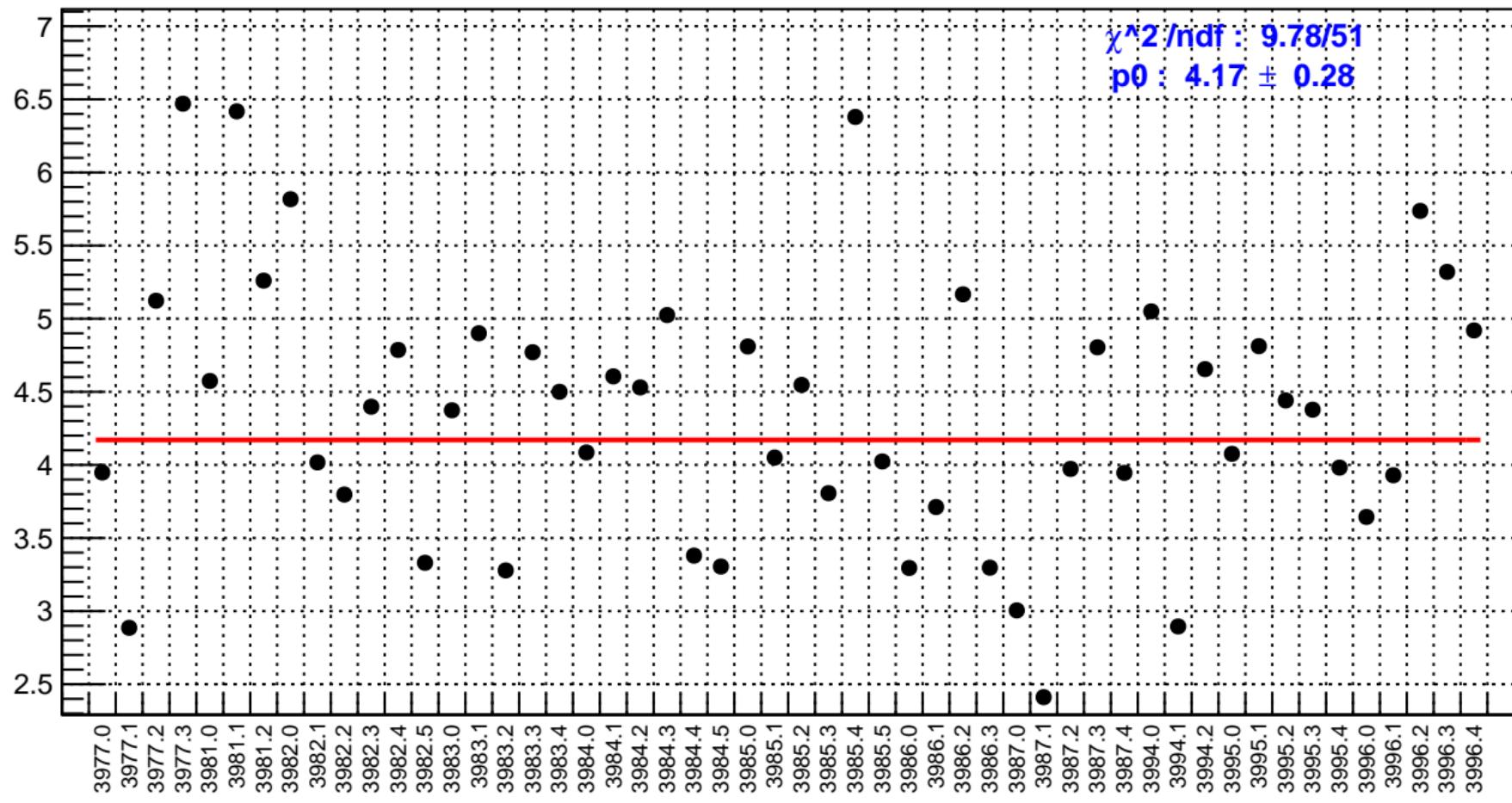
# slug37: diff\_bpm11X.rms/nm



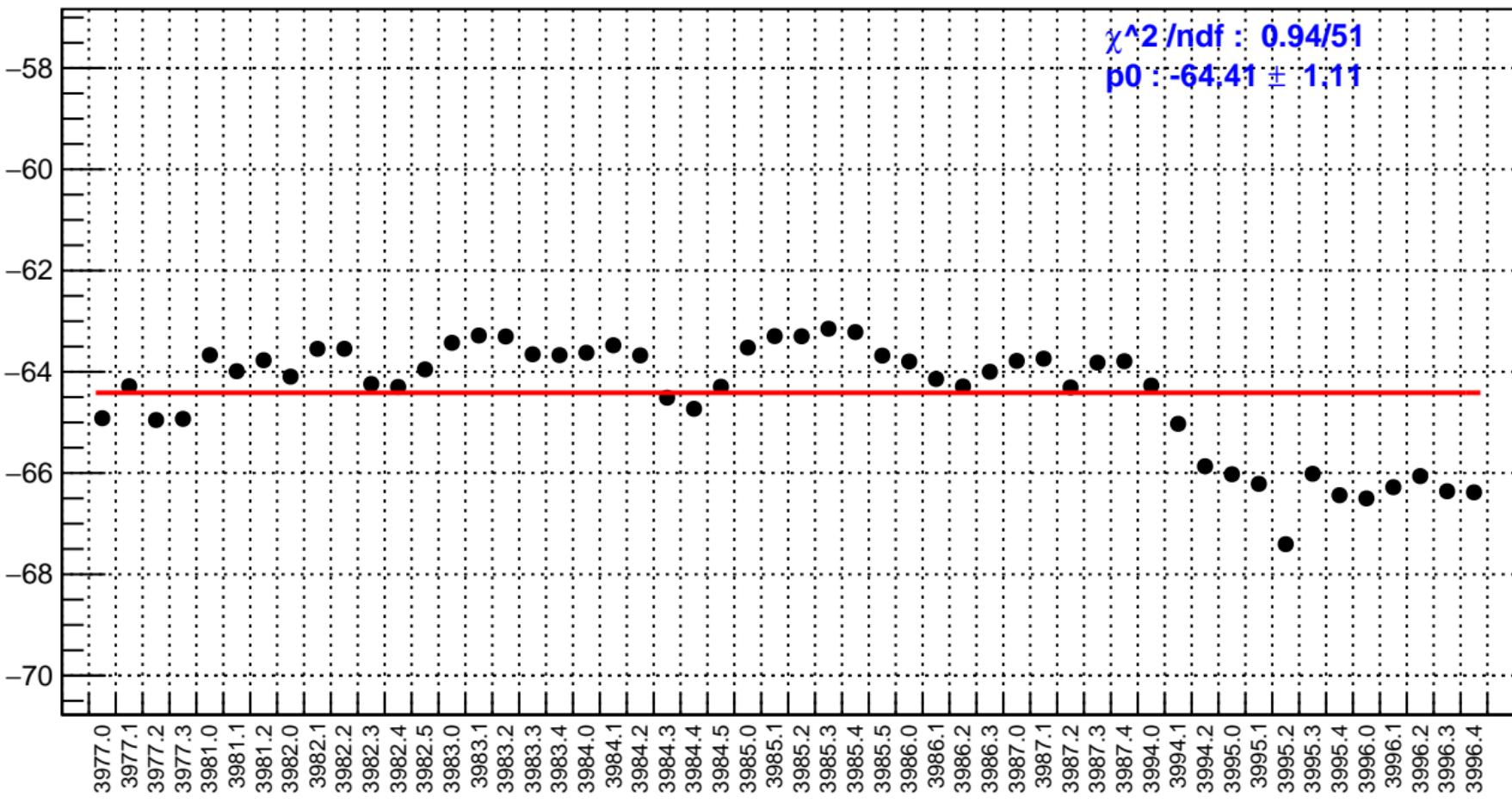
# slug37: usl\_bpm4aX/(ppb/nm)



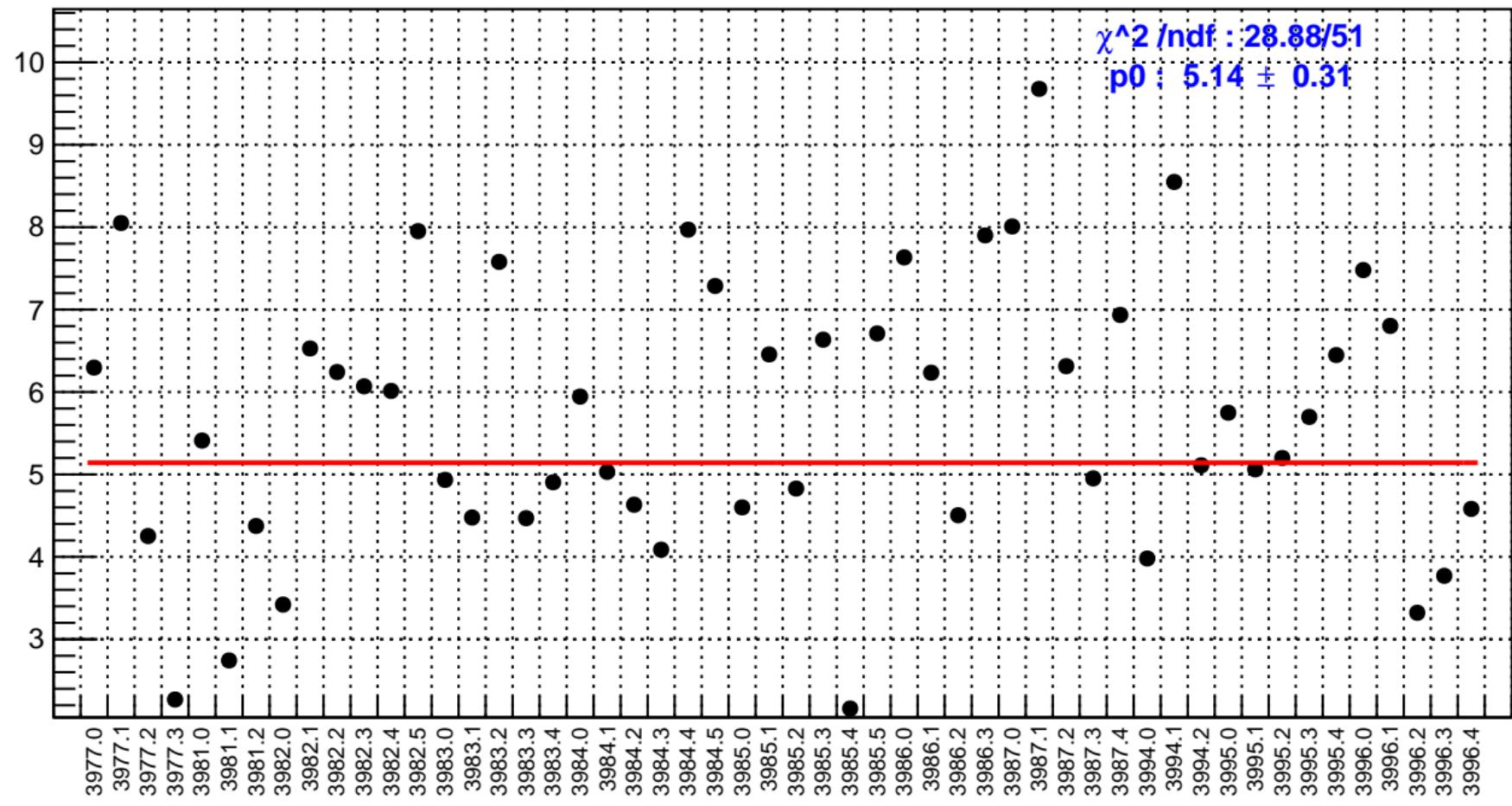
# slug37: usl\_bpm4aY/(ppb/nm)



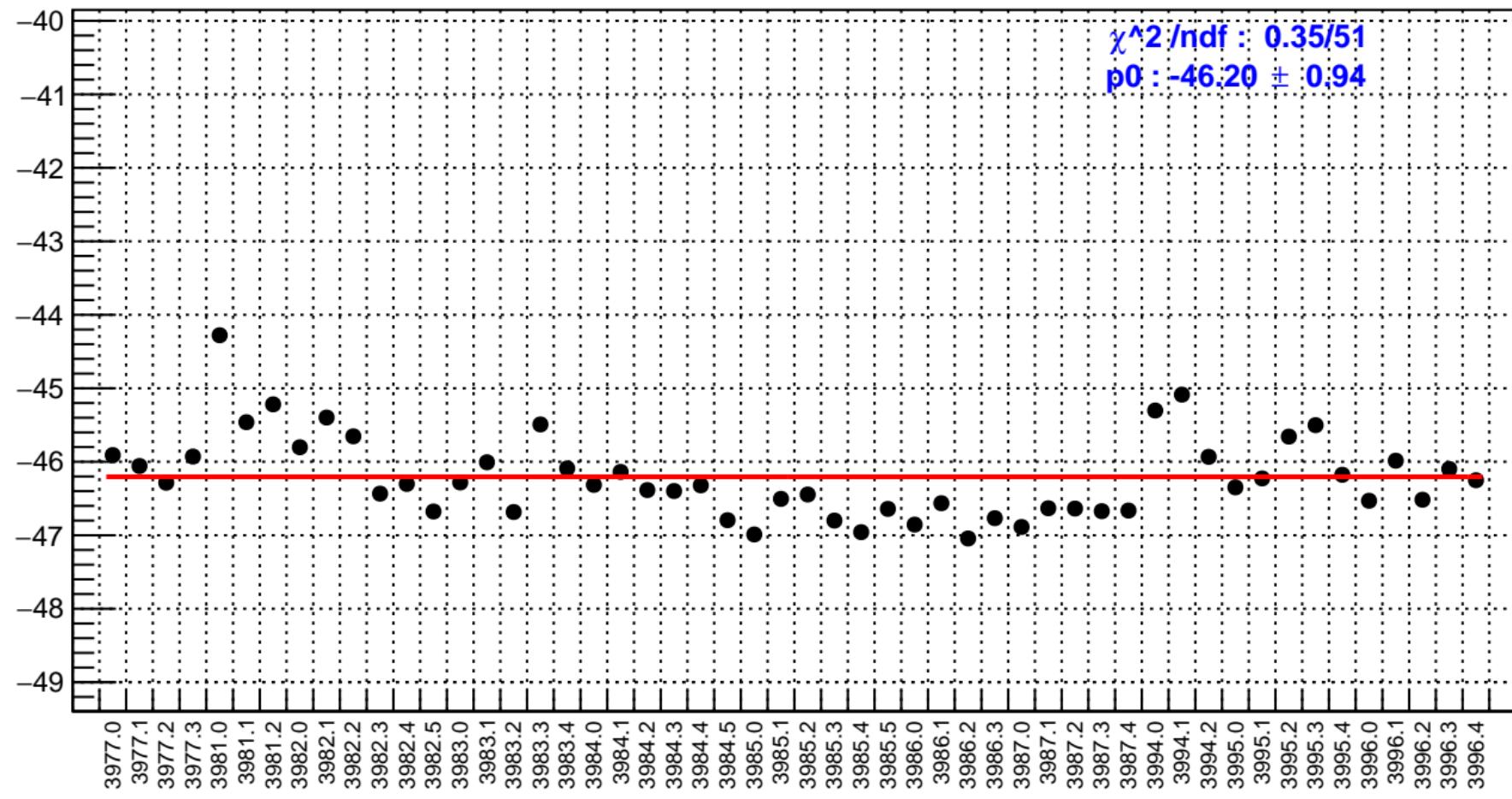
# slug37: usl\_bpm4eX/(ppb/nm)



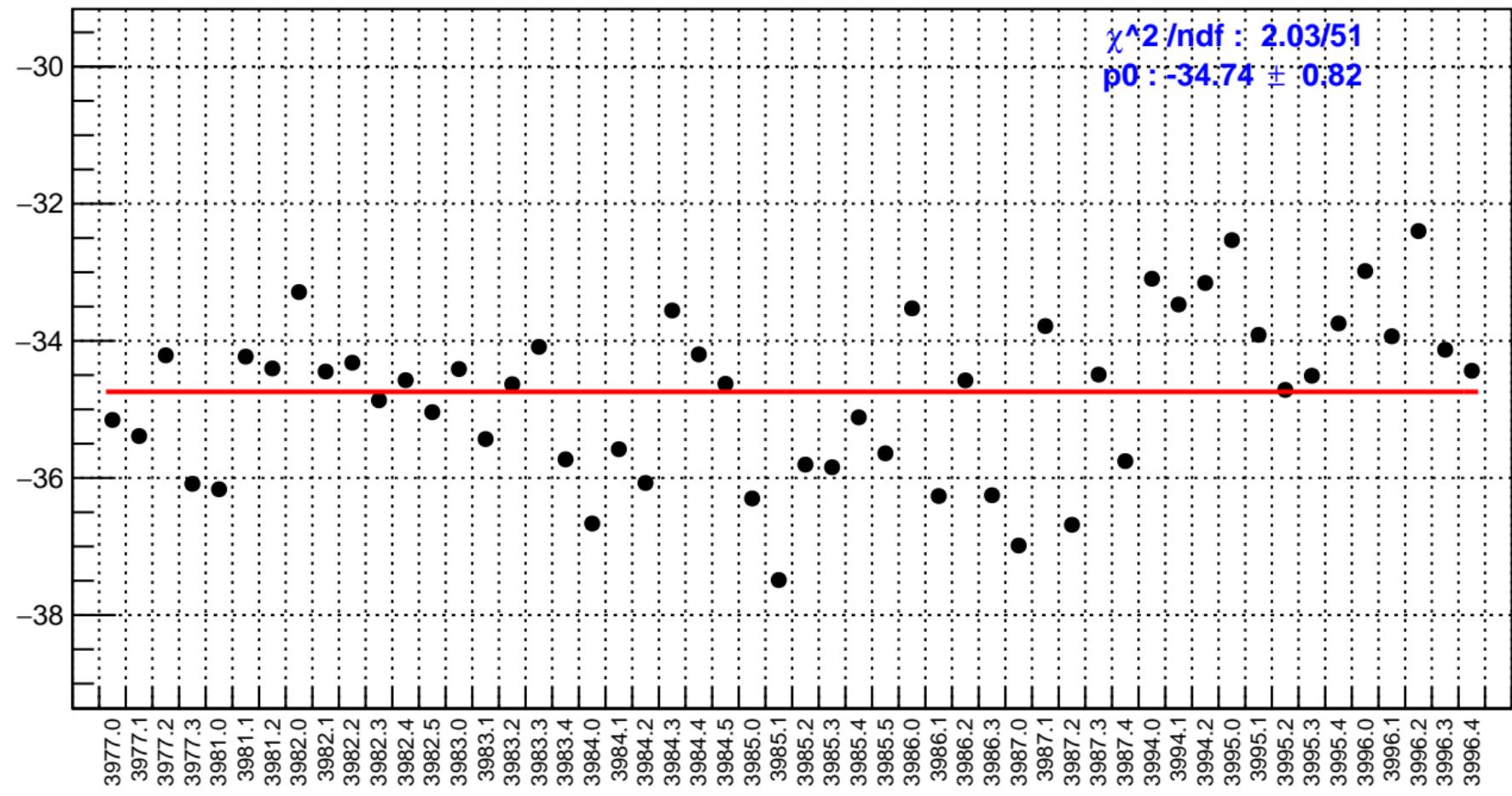
# slug37: usl\_bpm4eY/(ppb/nm)



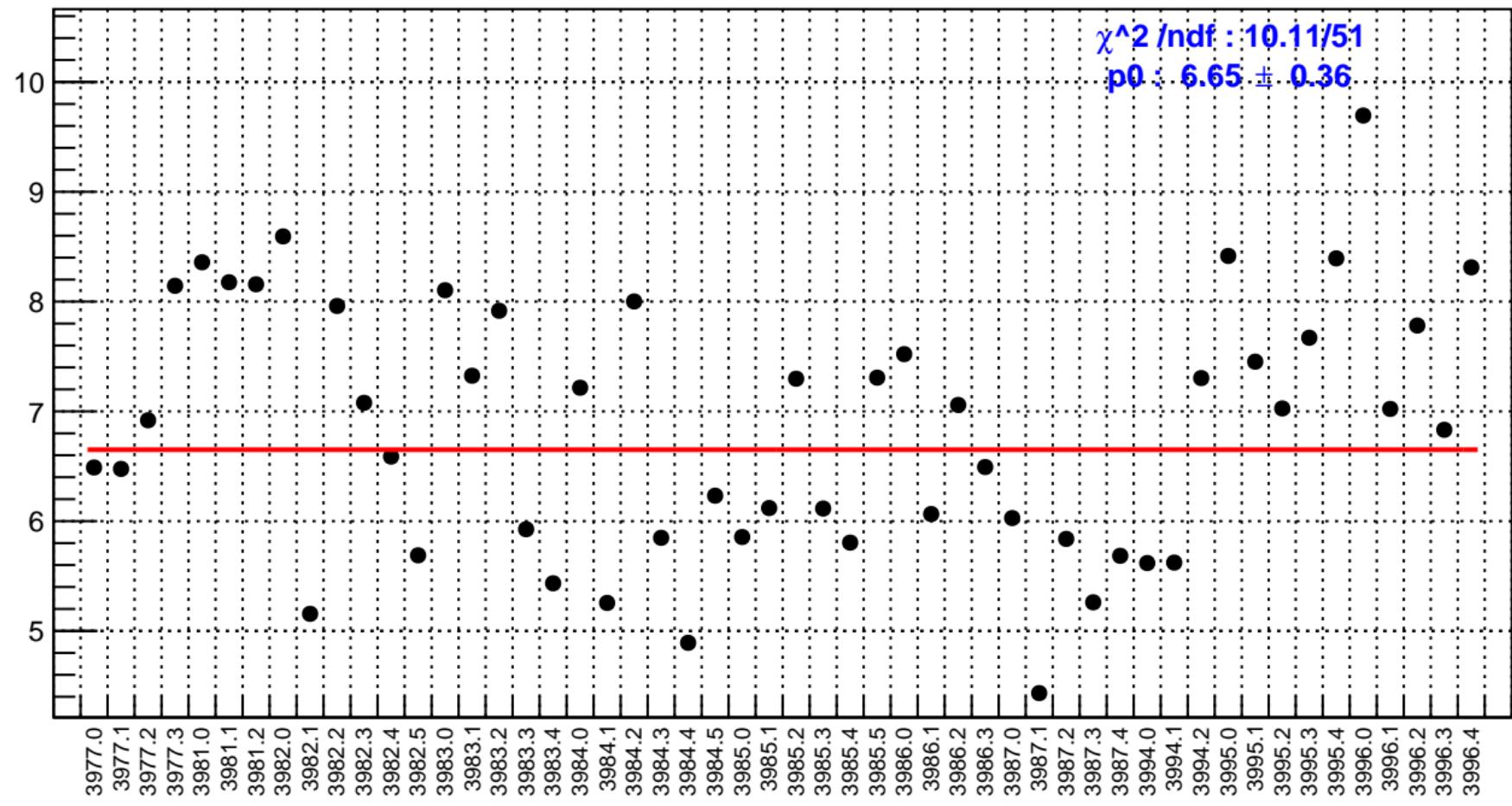
# slug37: usl\_bpm12X/(ppb/nm)



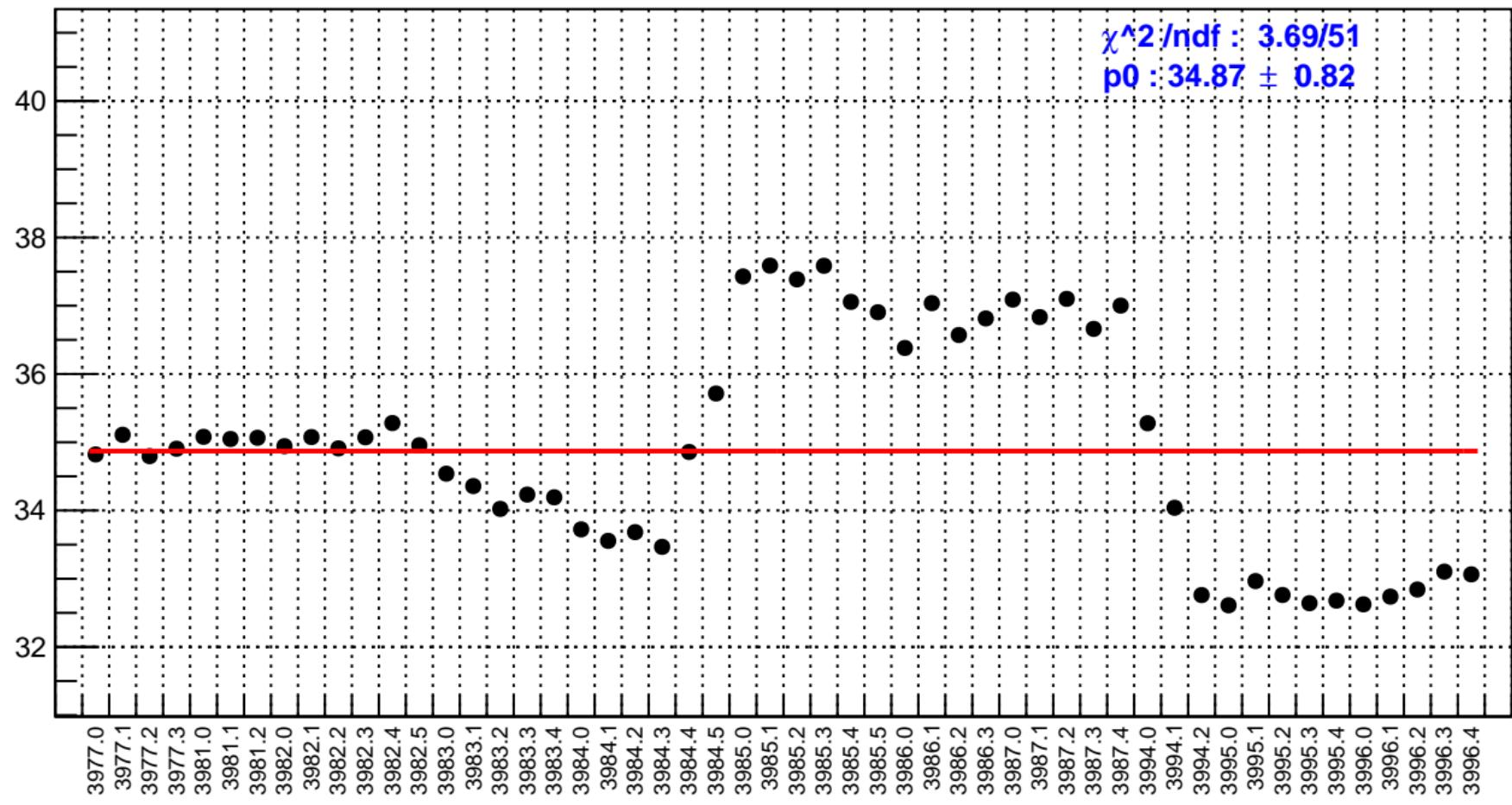
# slug37: usr\_bpm4aX/(ppb/nm)



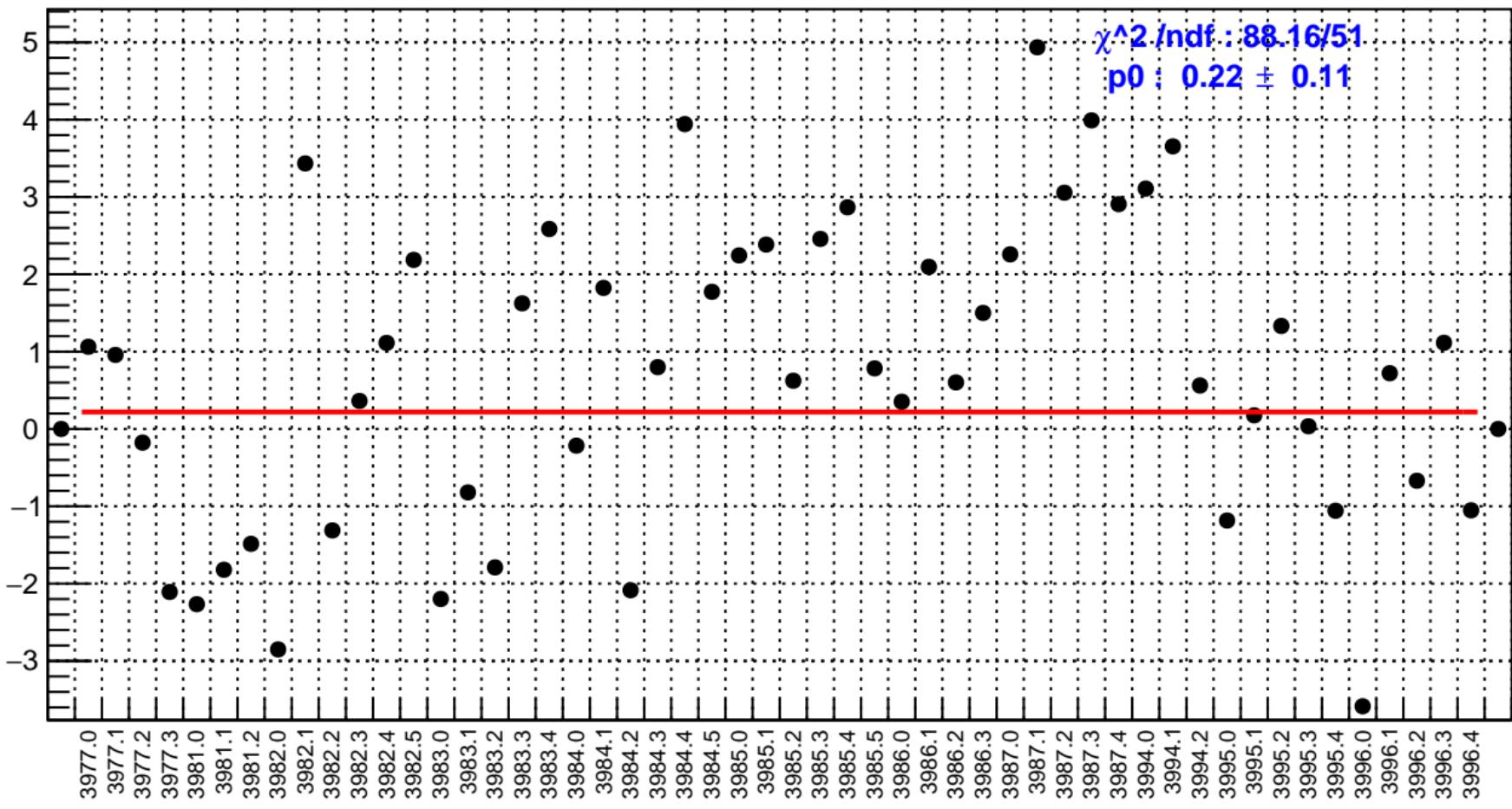
# slug37: usr\_bpm4aY/(ppb/nm)



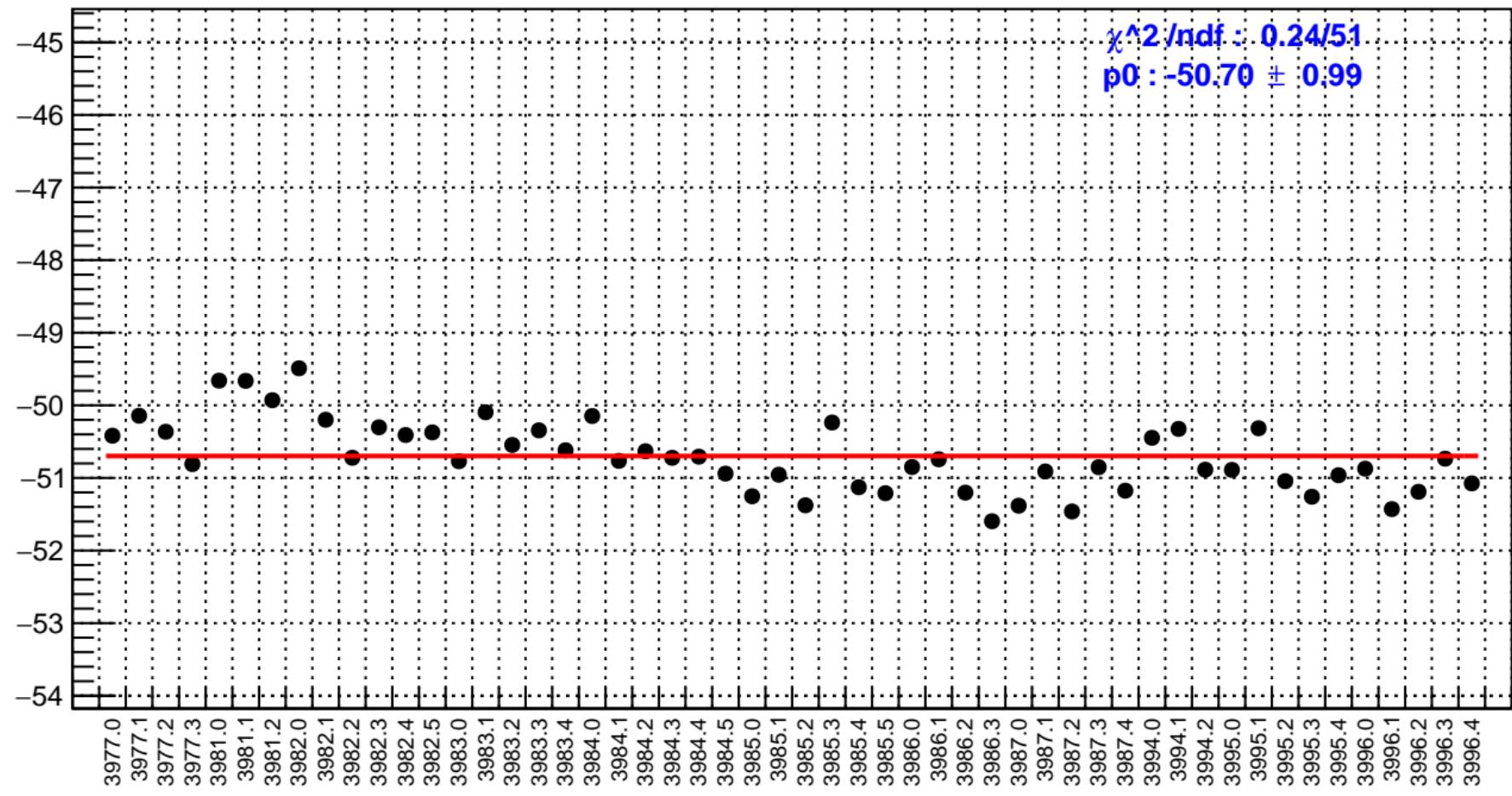
# slug37: usr\_bpm4eX/(ppb/nm)



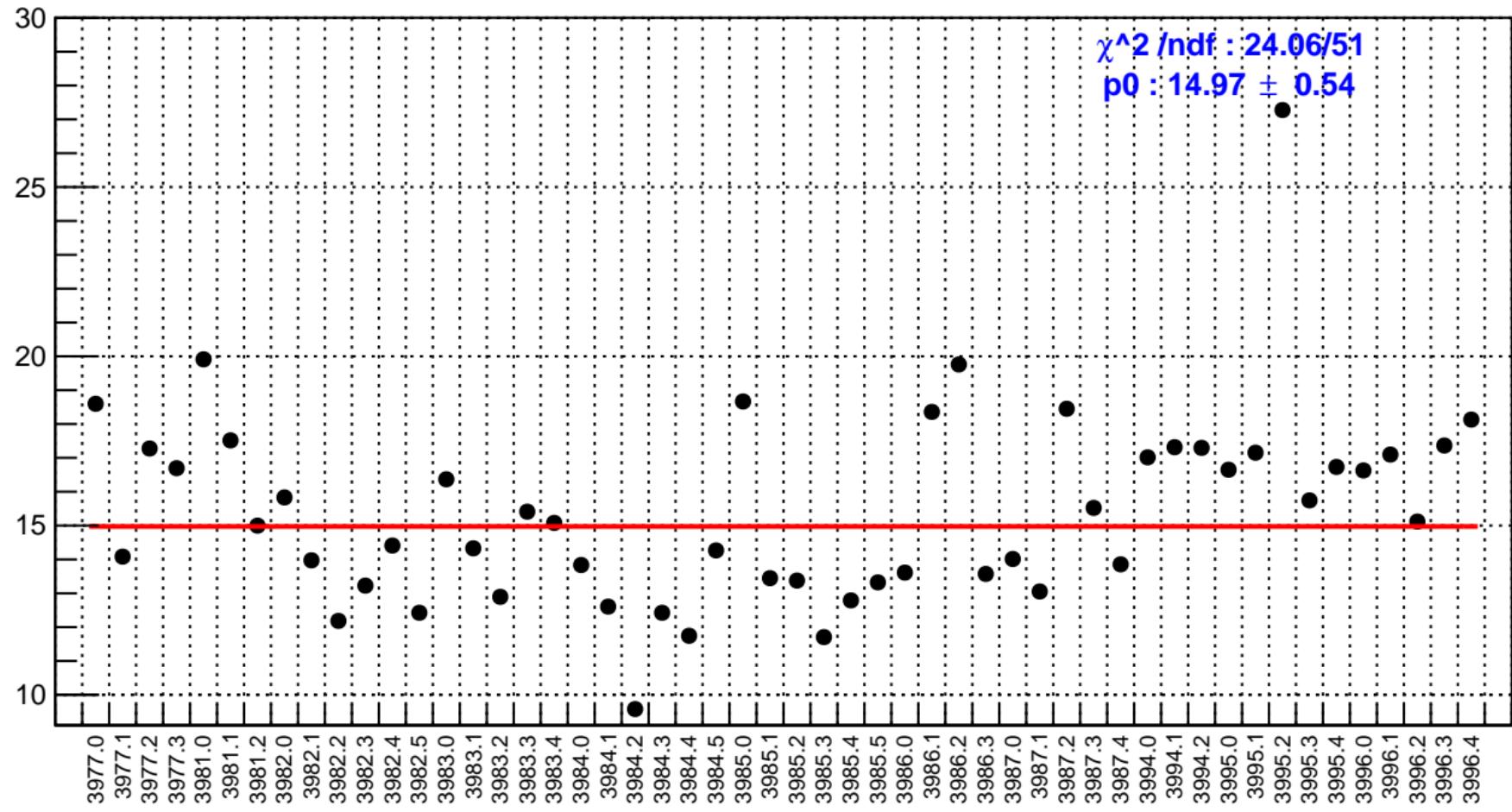
# slug37: usr\_bpm4eY/(ppb/nm)



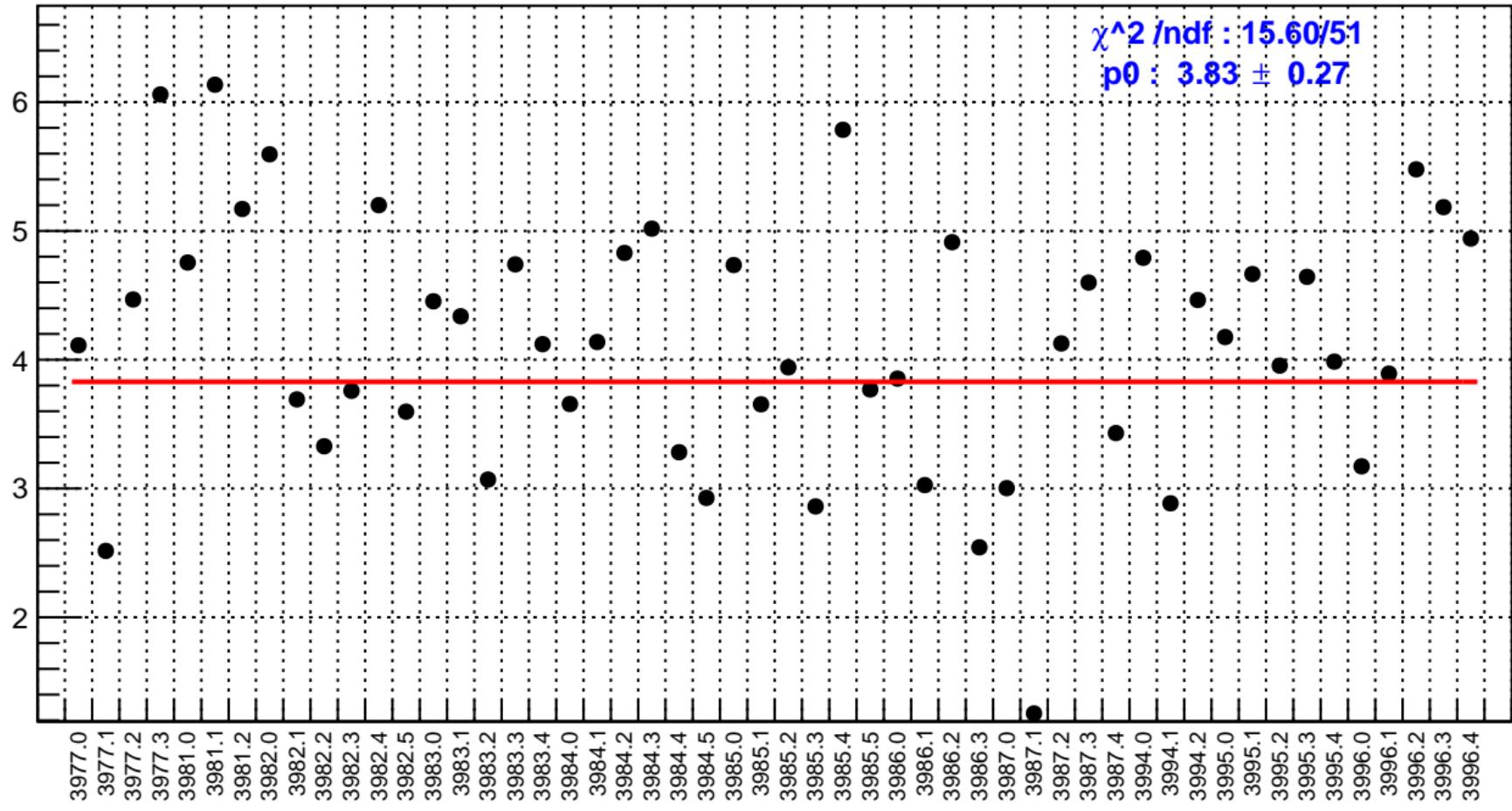
# slug37: usr\_bpm12X/(ppb/nm)



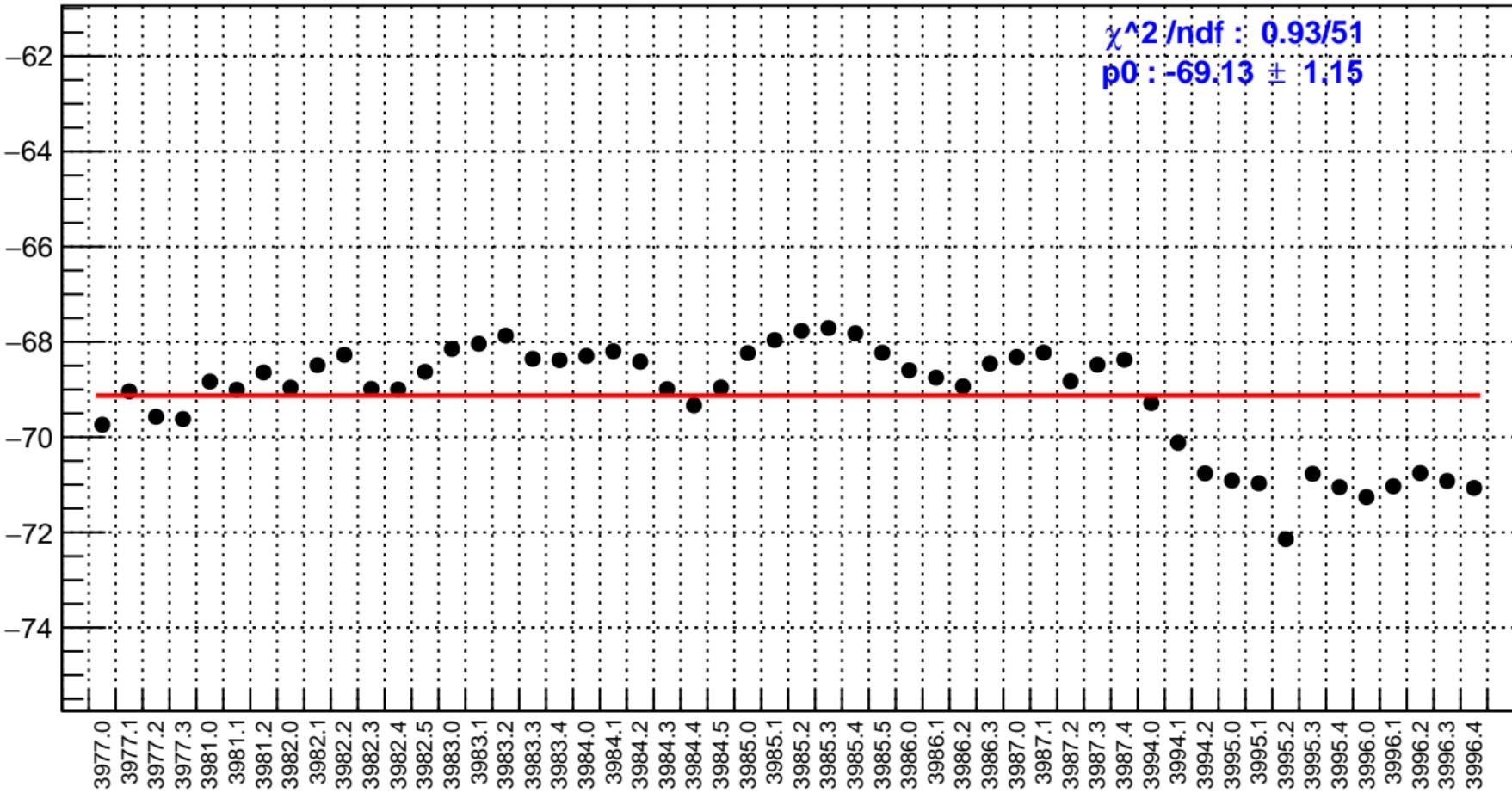
# slug37: dsl\_bpm4aX/(ppb/nm)



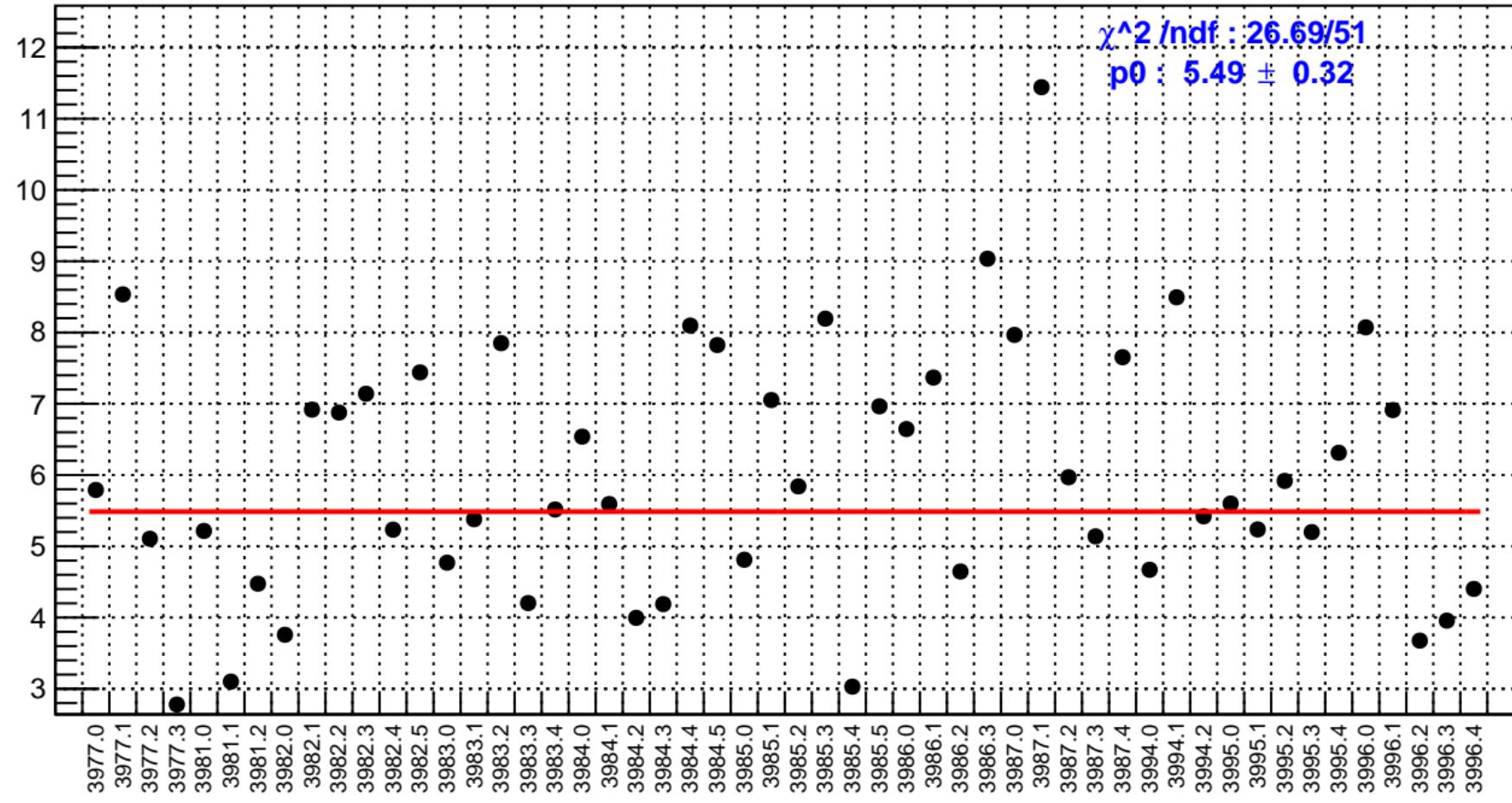
# slug37: dsl\_bpm4aY/(ppb/nm)



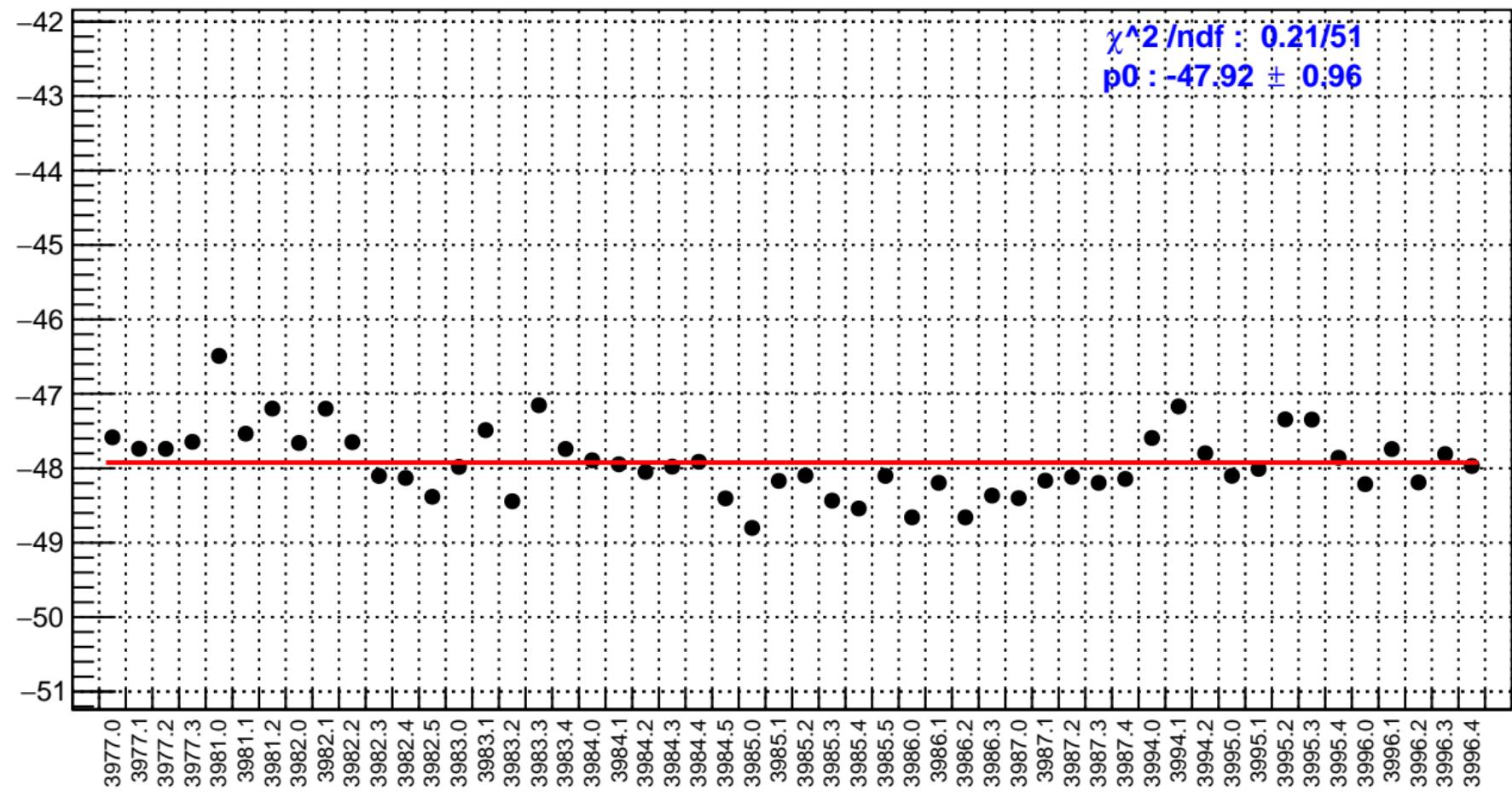
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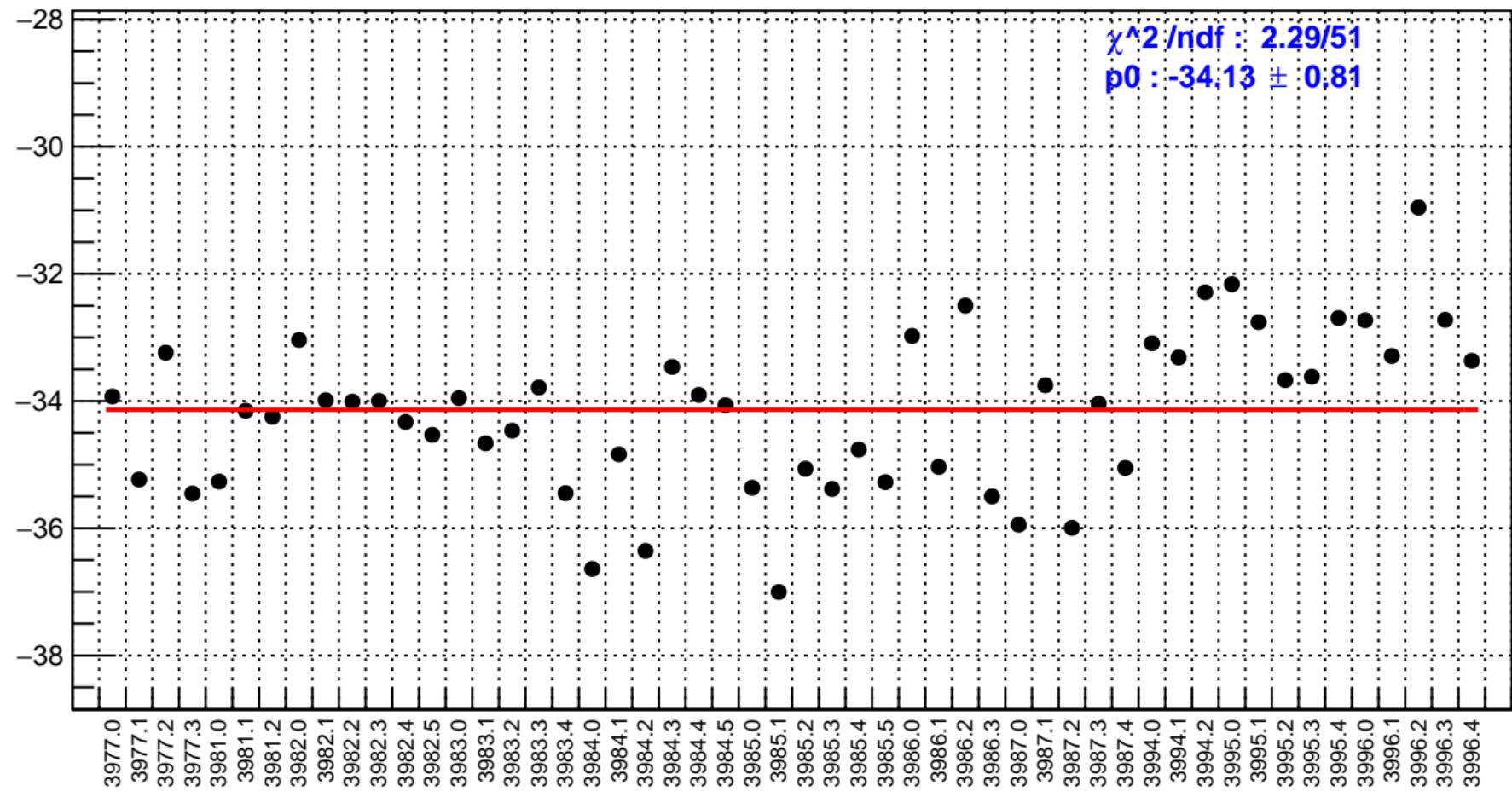
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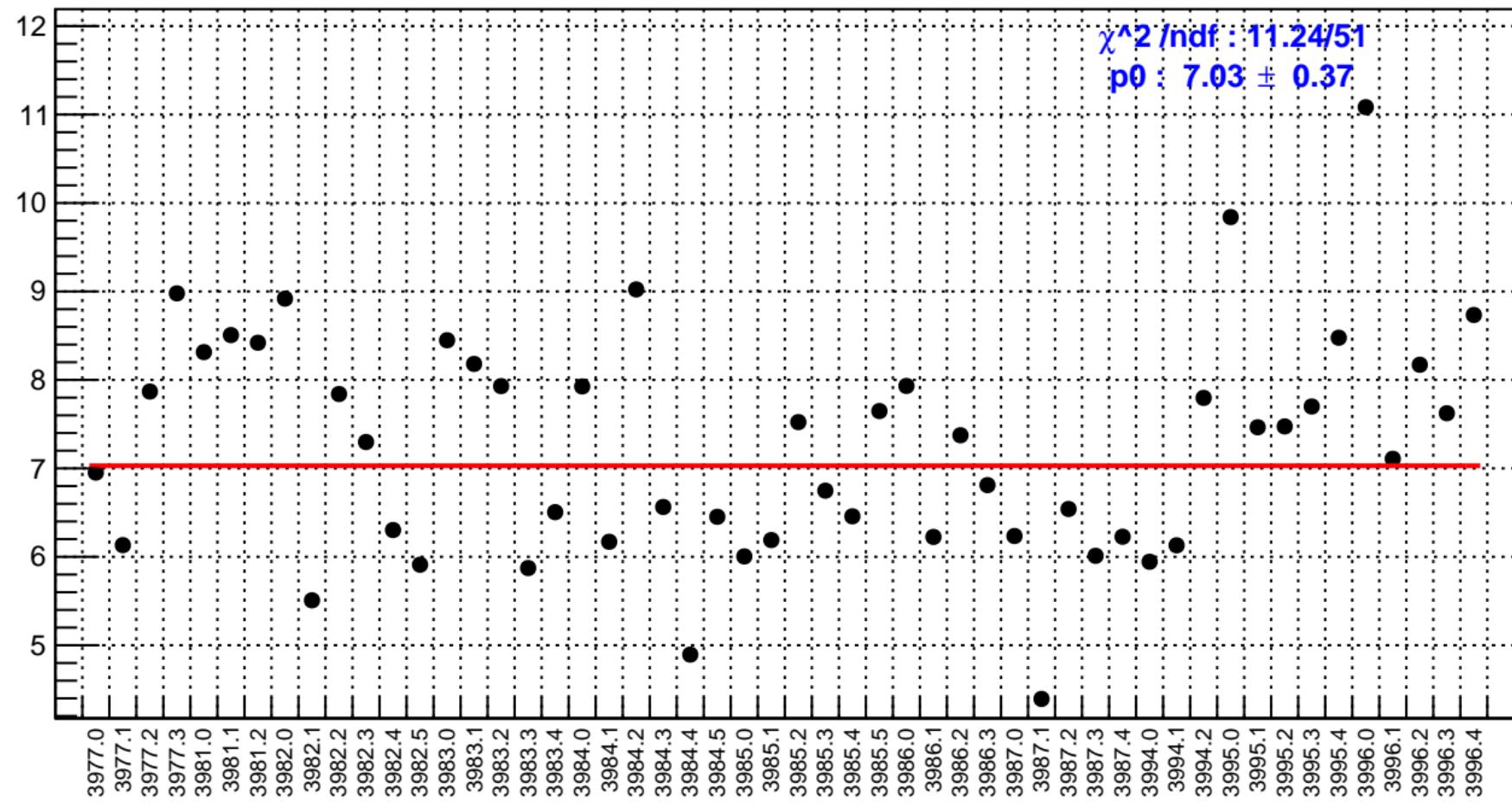
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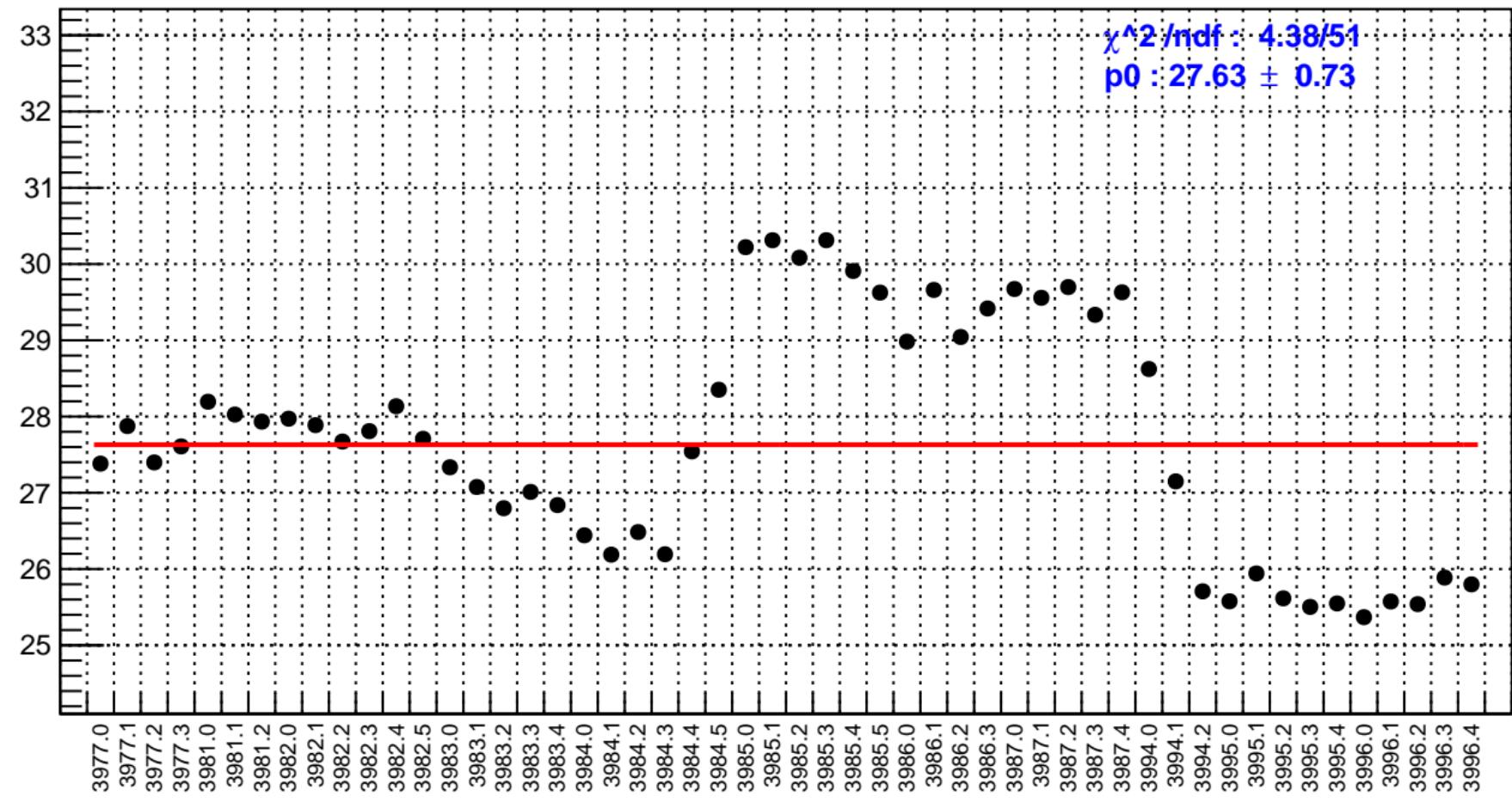
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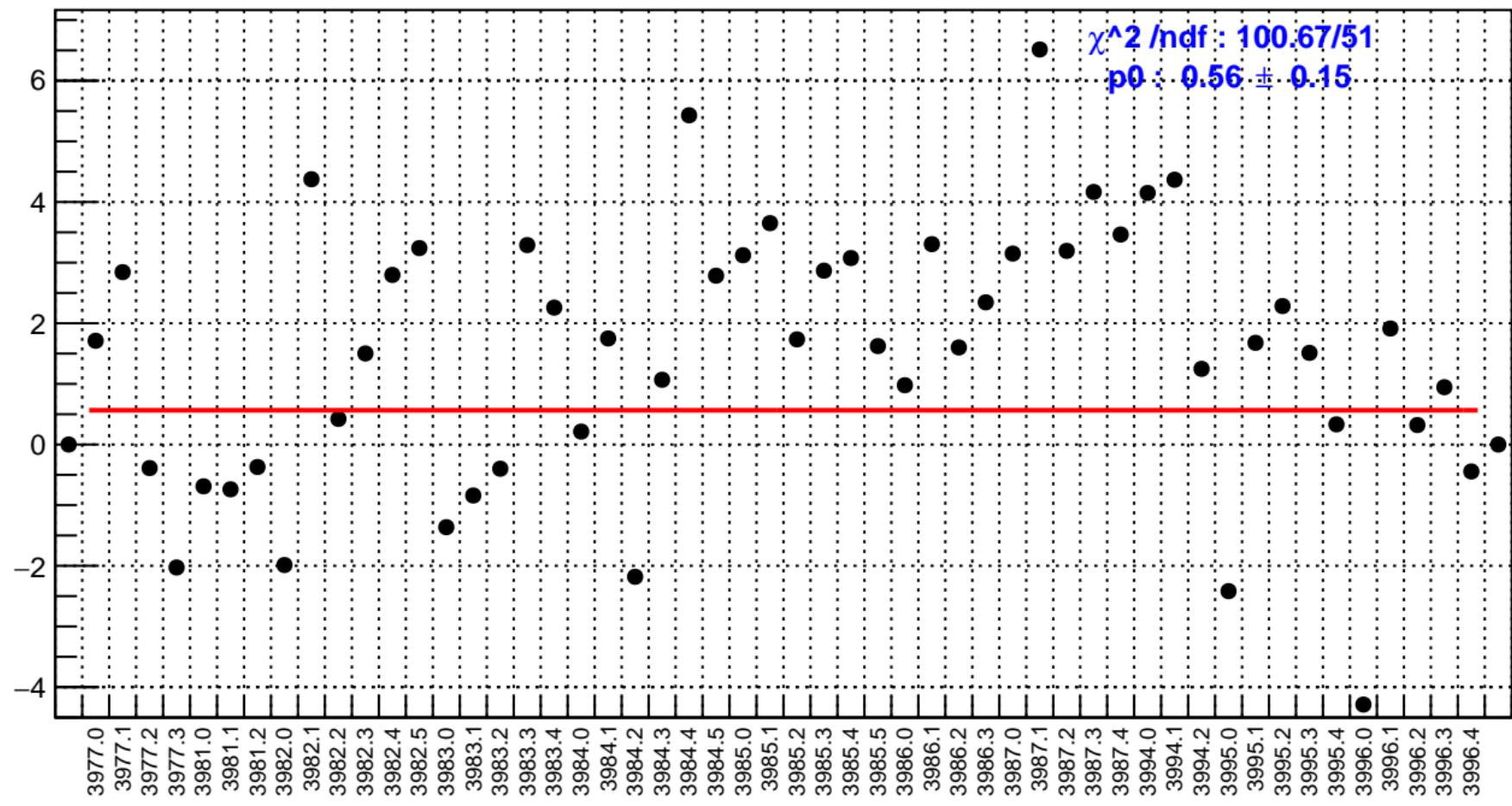
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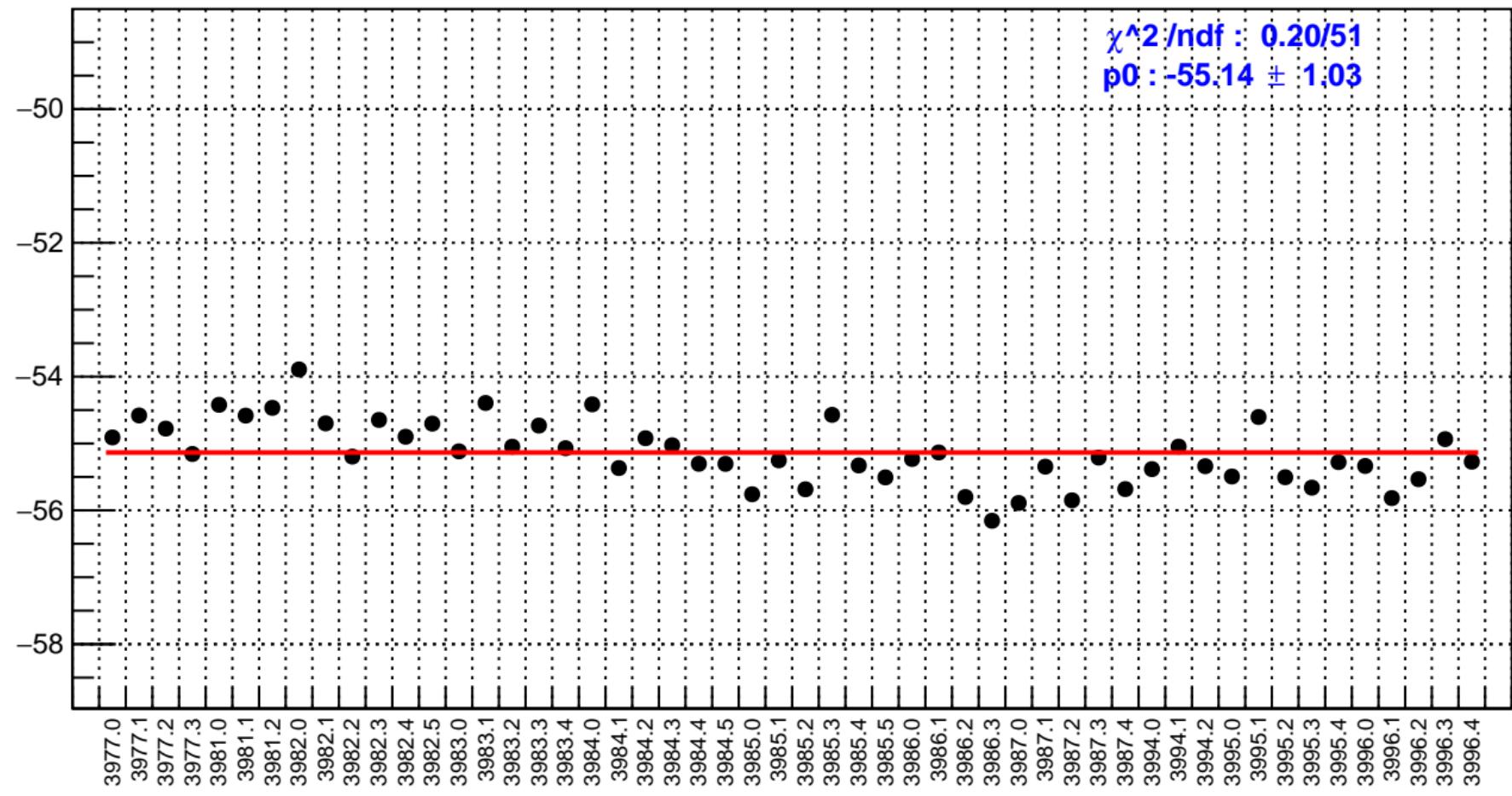
# slug37: dsr\_bpm4eX/(ppb/nm)



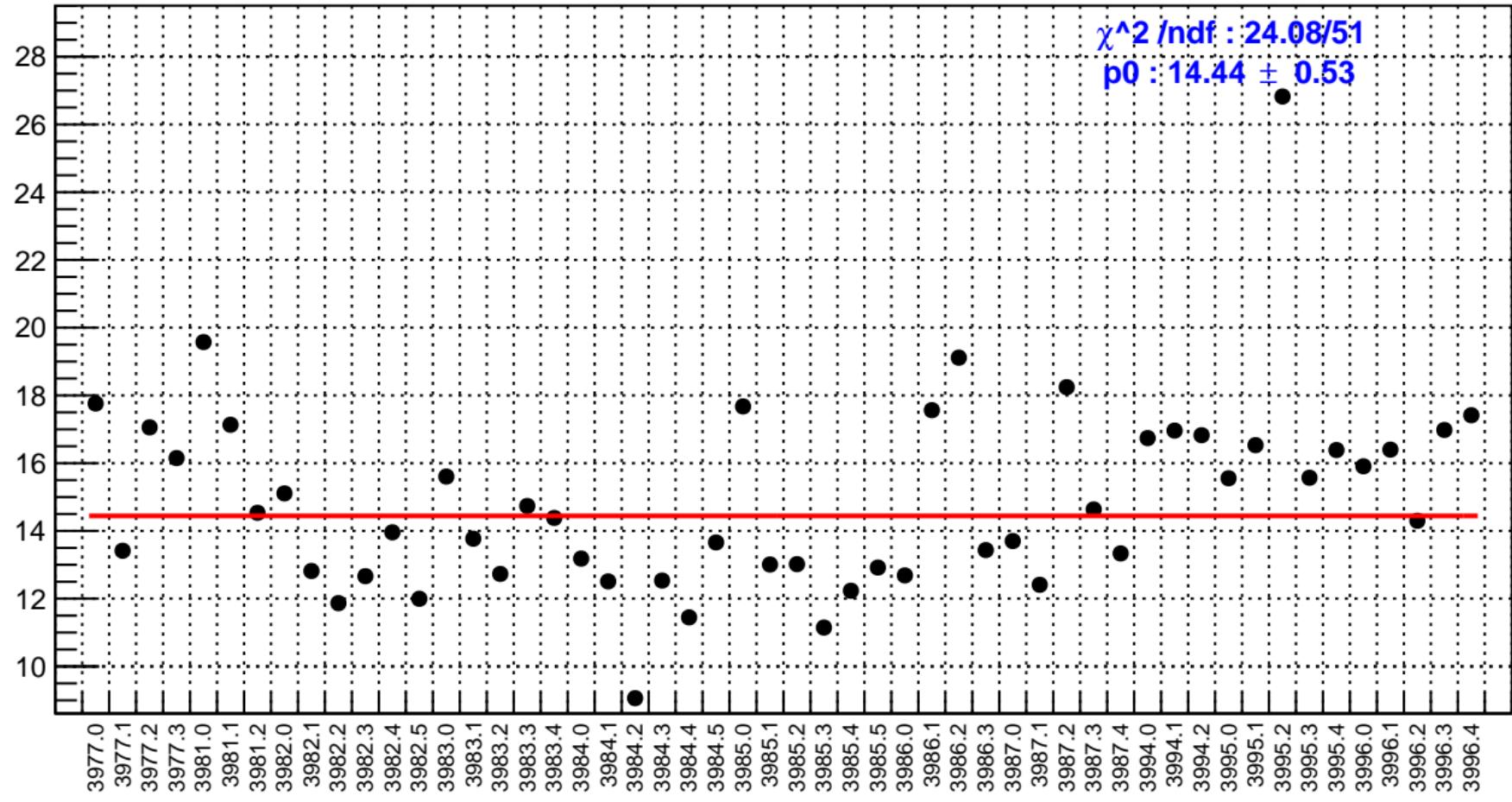
# slug37: dsr\_bpm4eY/(ppb/nm)



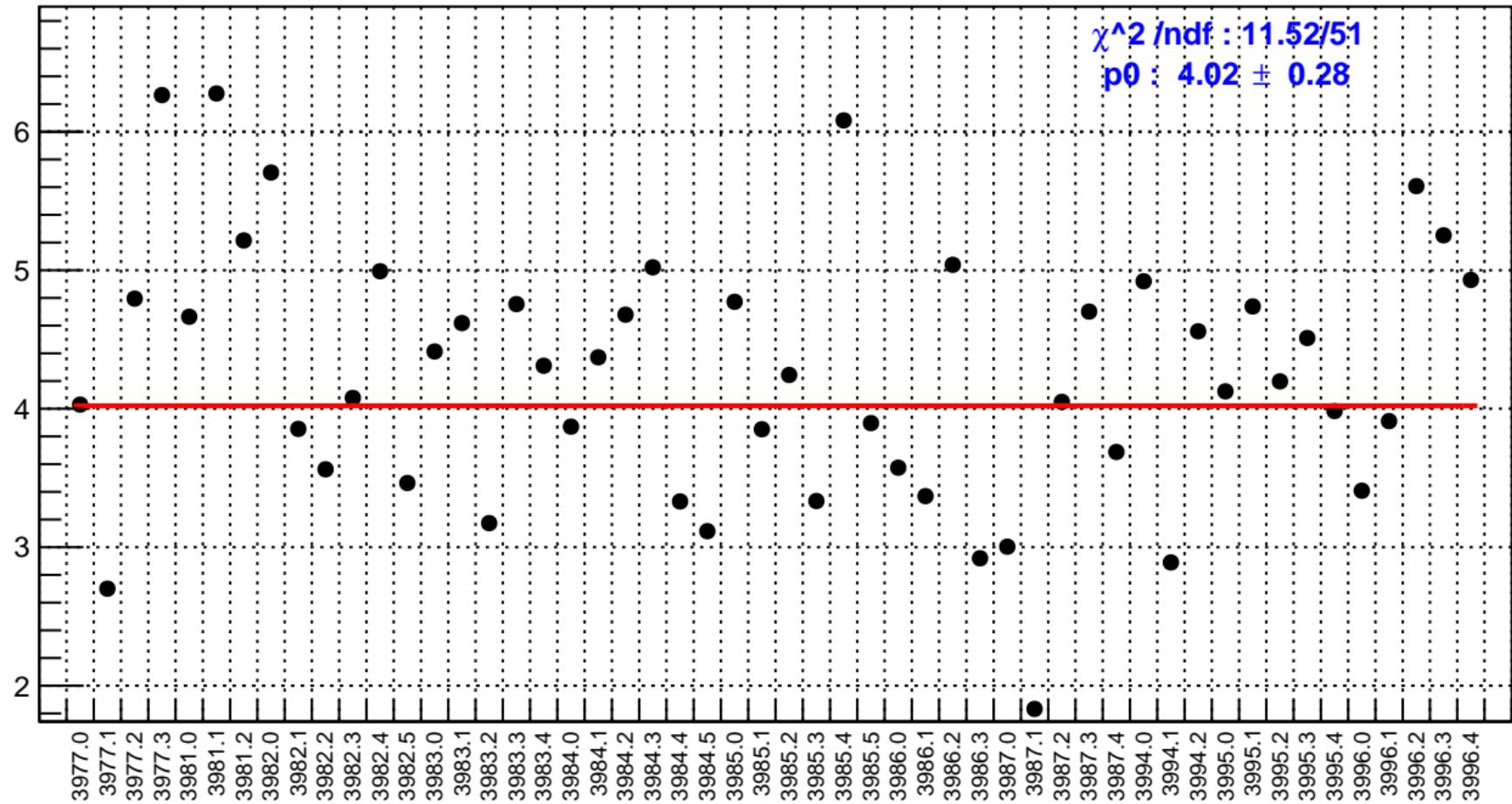
# slug37: dsr\_bpm12X/(ppb/nm)



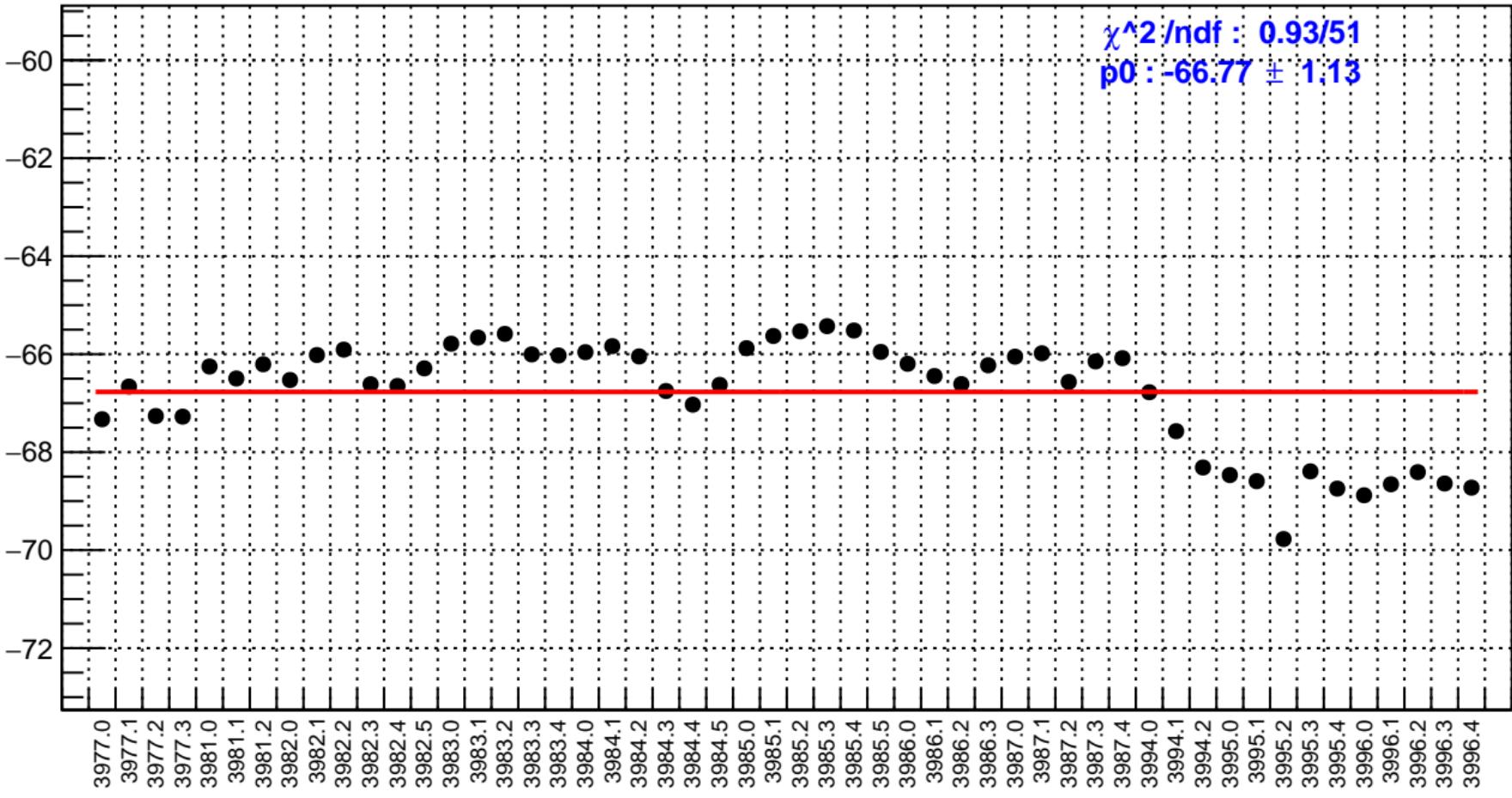
# slug37: left\_avg\_bpm4aX(ppb/nm)



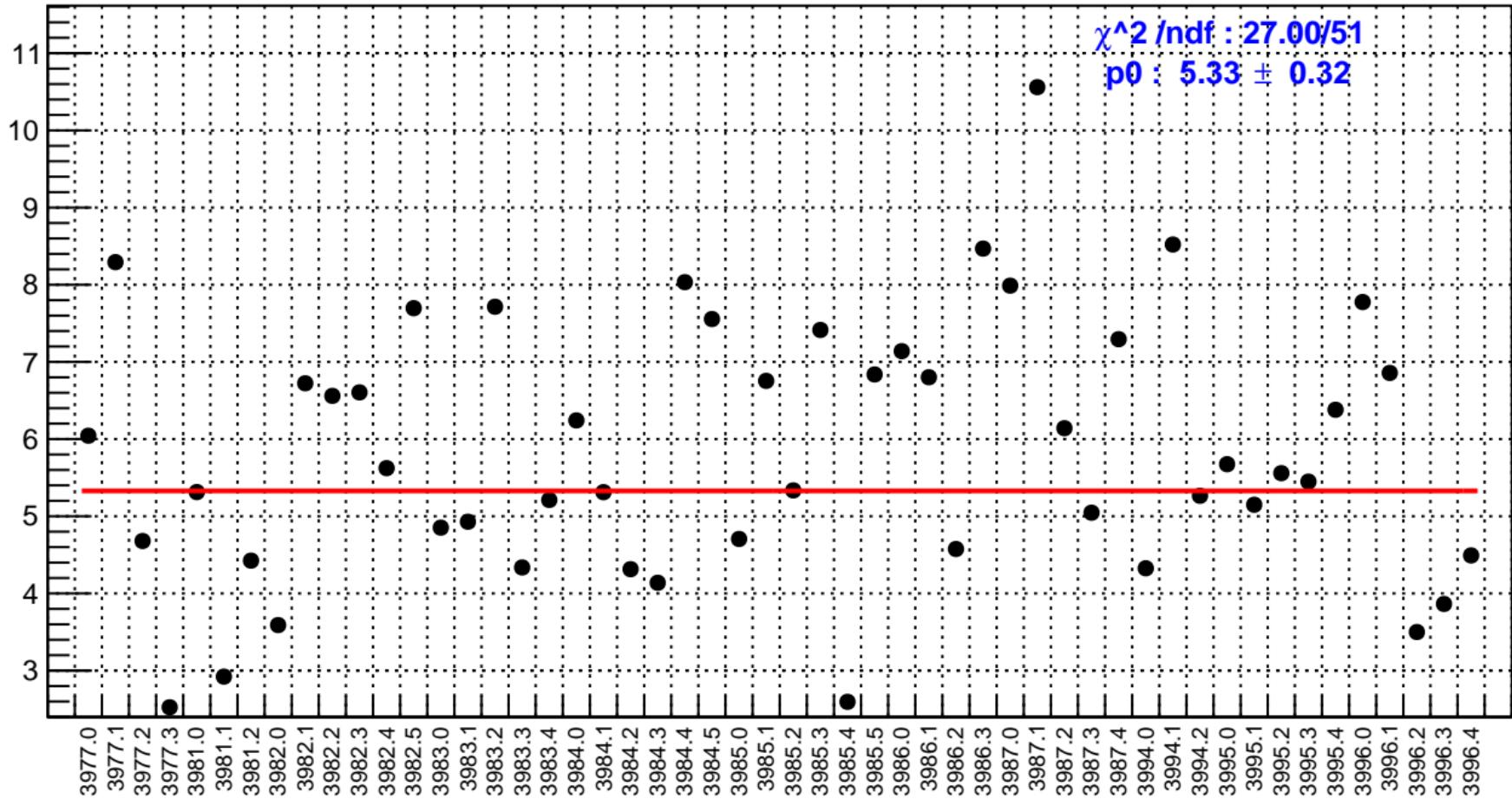
# slug37: left\_avg\_bpm4aY/(ppb/nm)



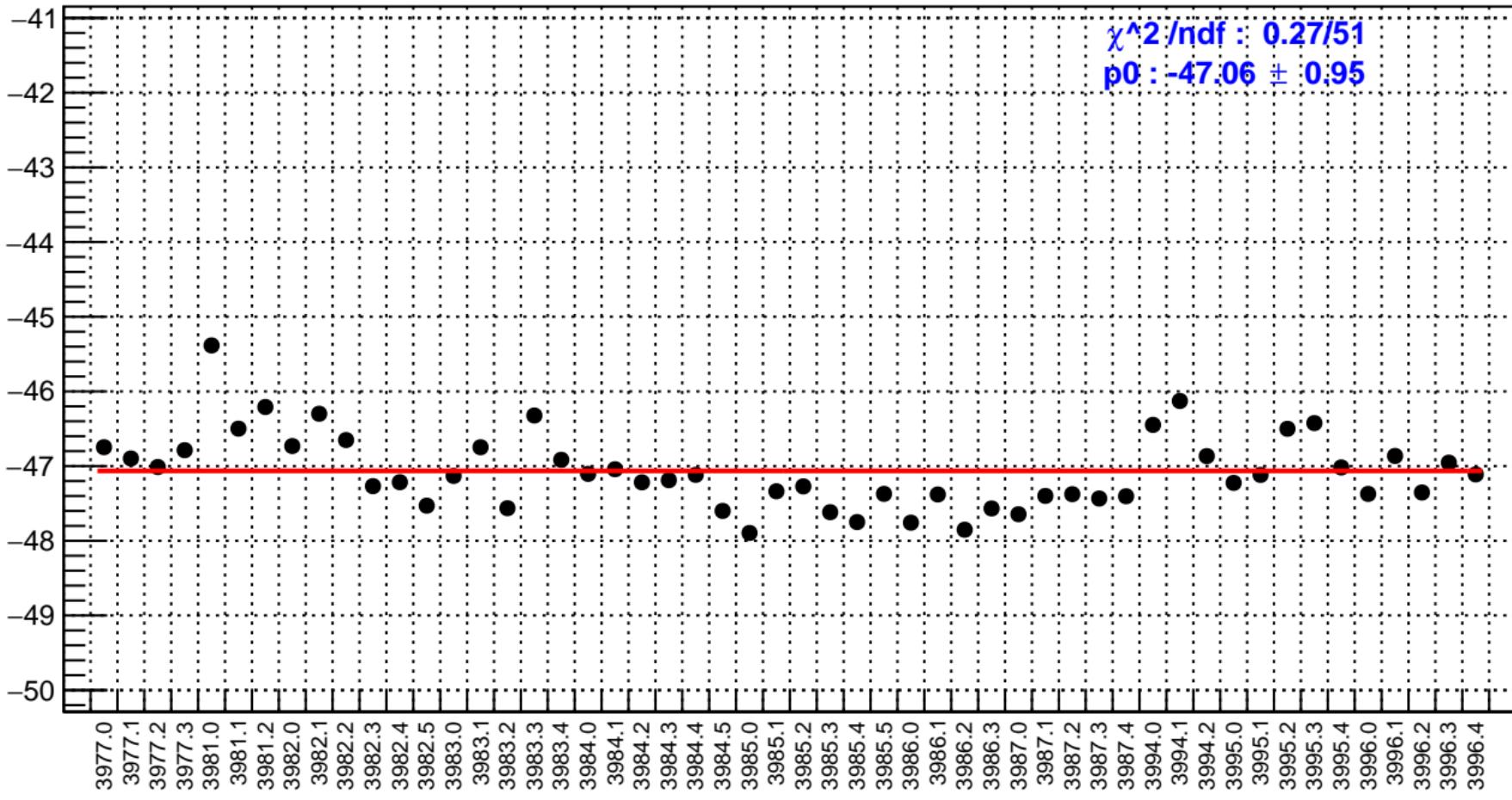
# slug37: left\_avg\_bpm4eX/(ppb/nm)



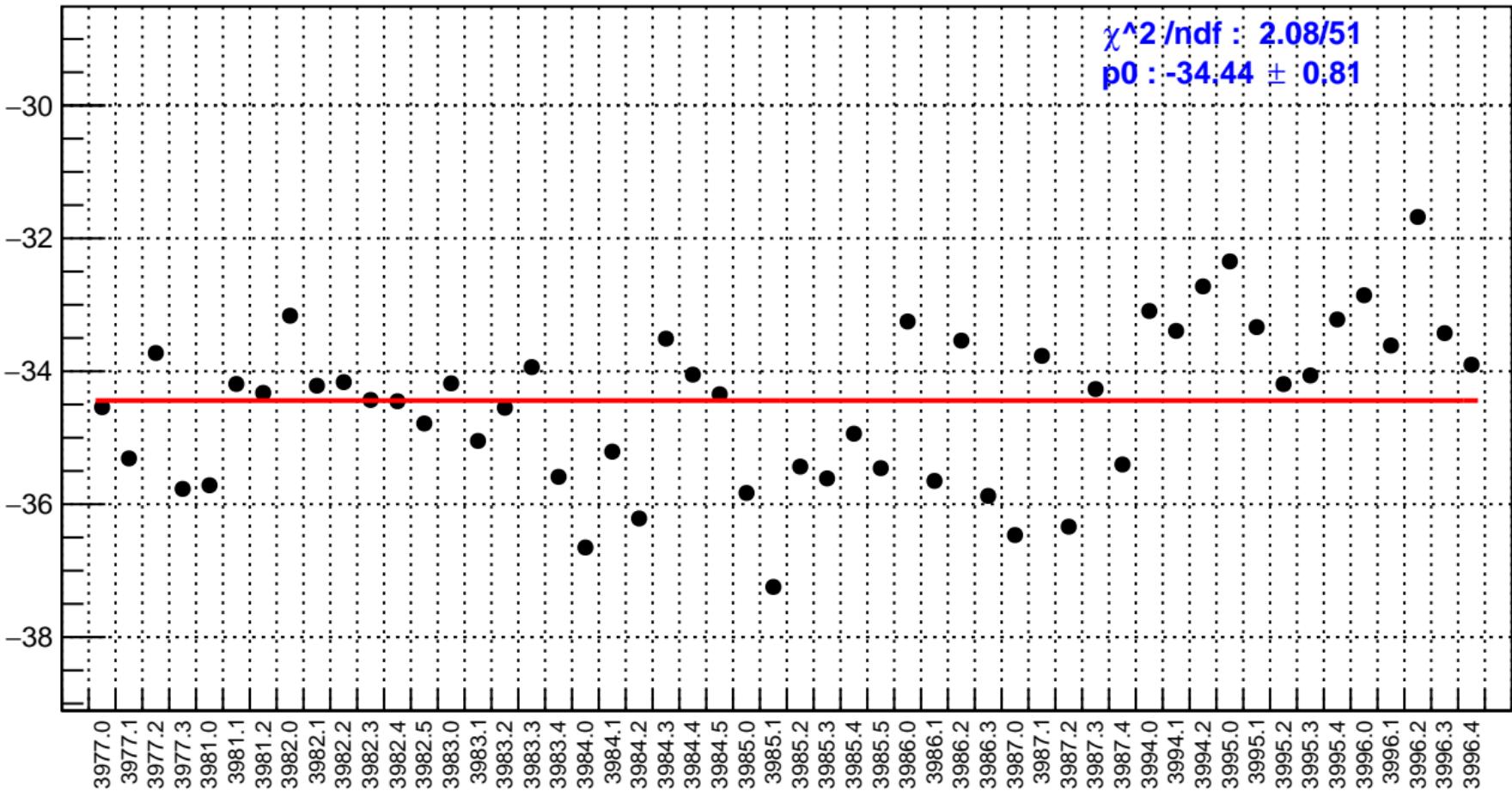
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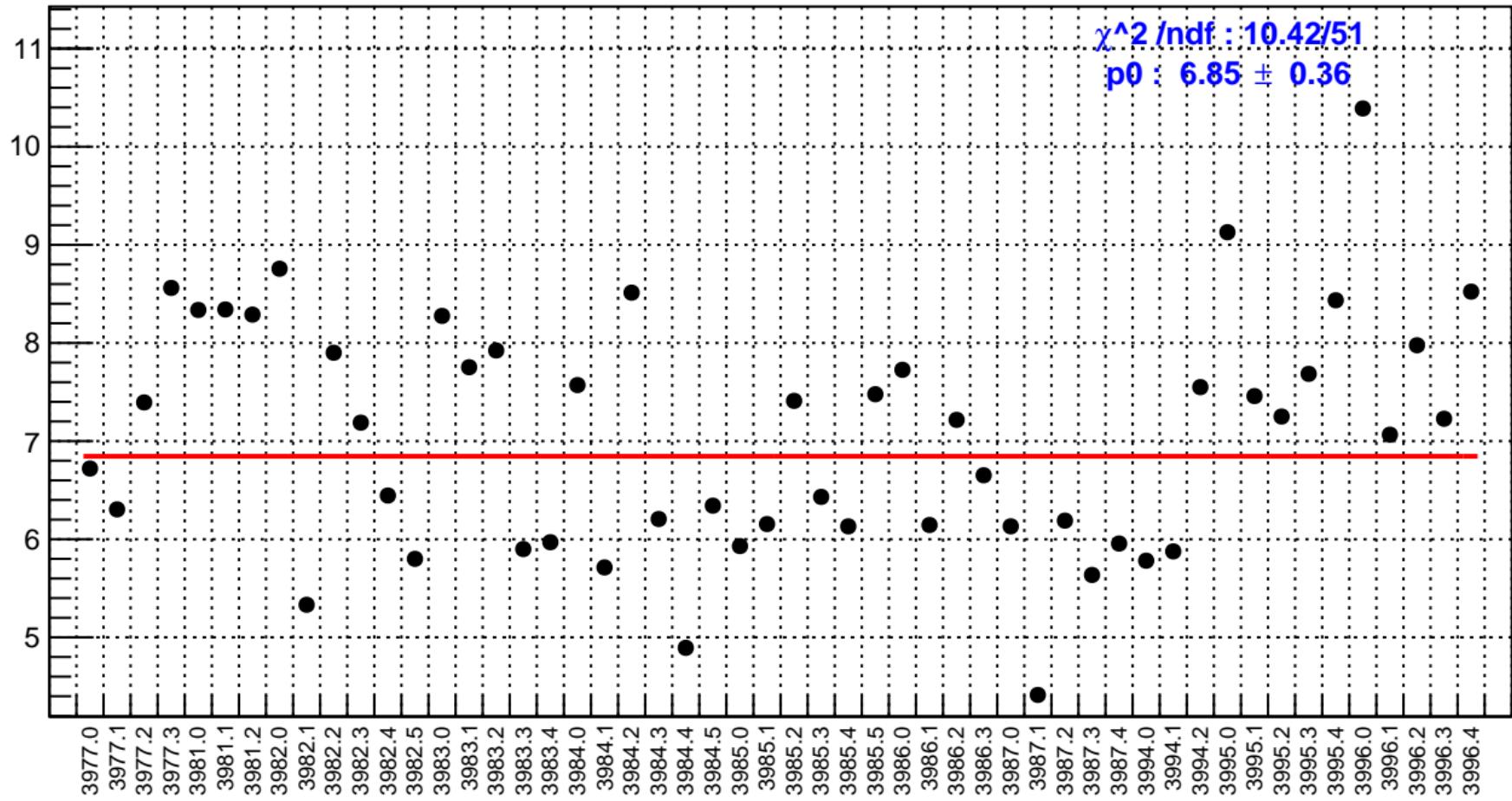
# slug37: left\_avg\_bpm12X(ppb/nm)



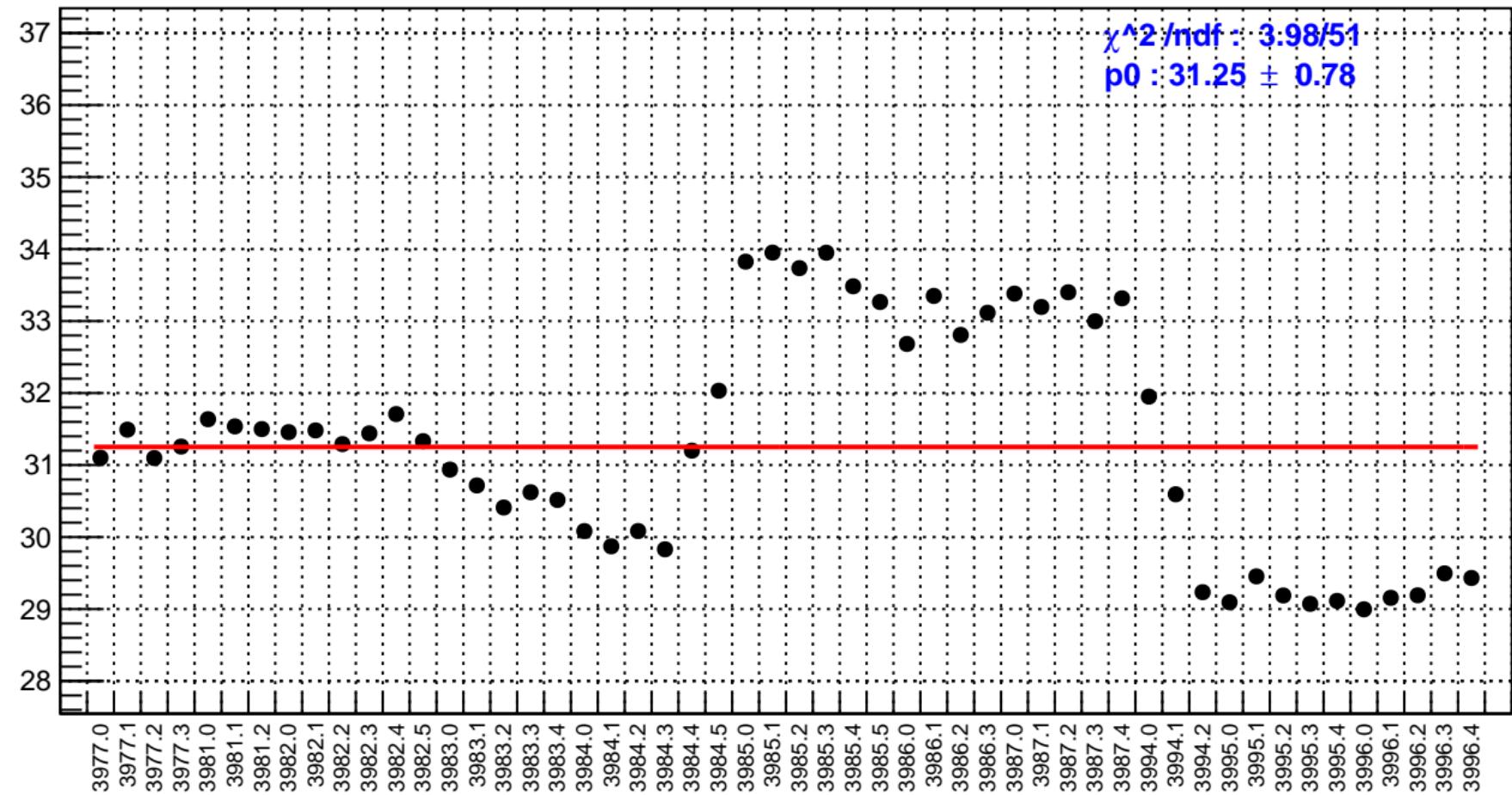
# slug37: right\_avg\_bpm4aX/(ppb/nm)



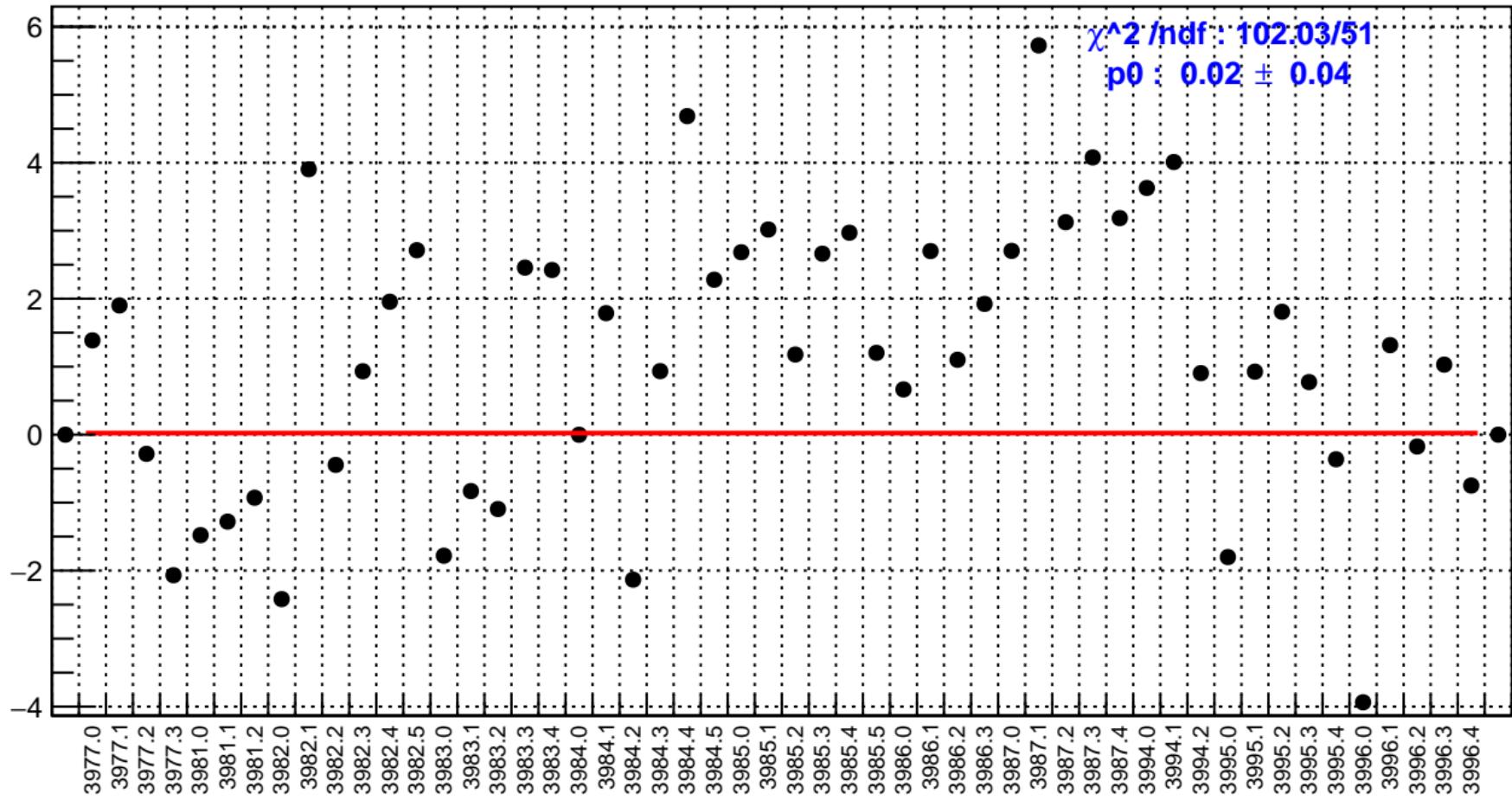
# slug37: right\_avg\_bpm4aY/(ppb/nm)



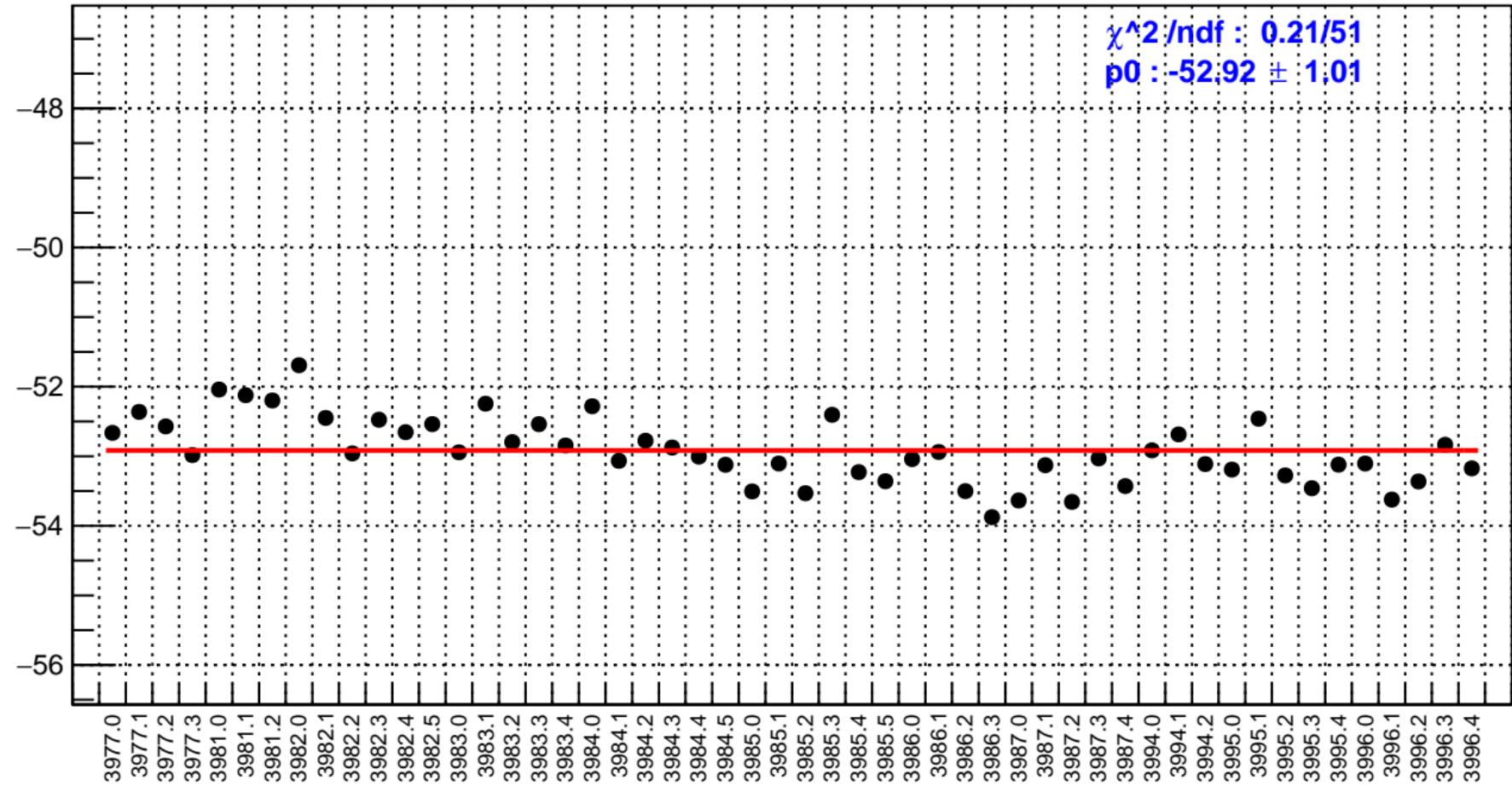
# slug37: right\_avg\_bpm4eX/(ppb/nm)



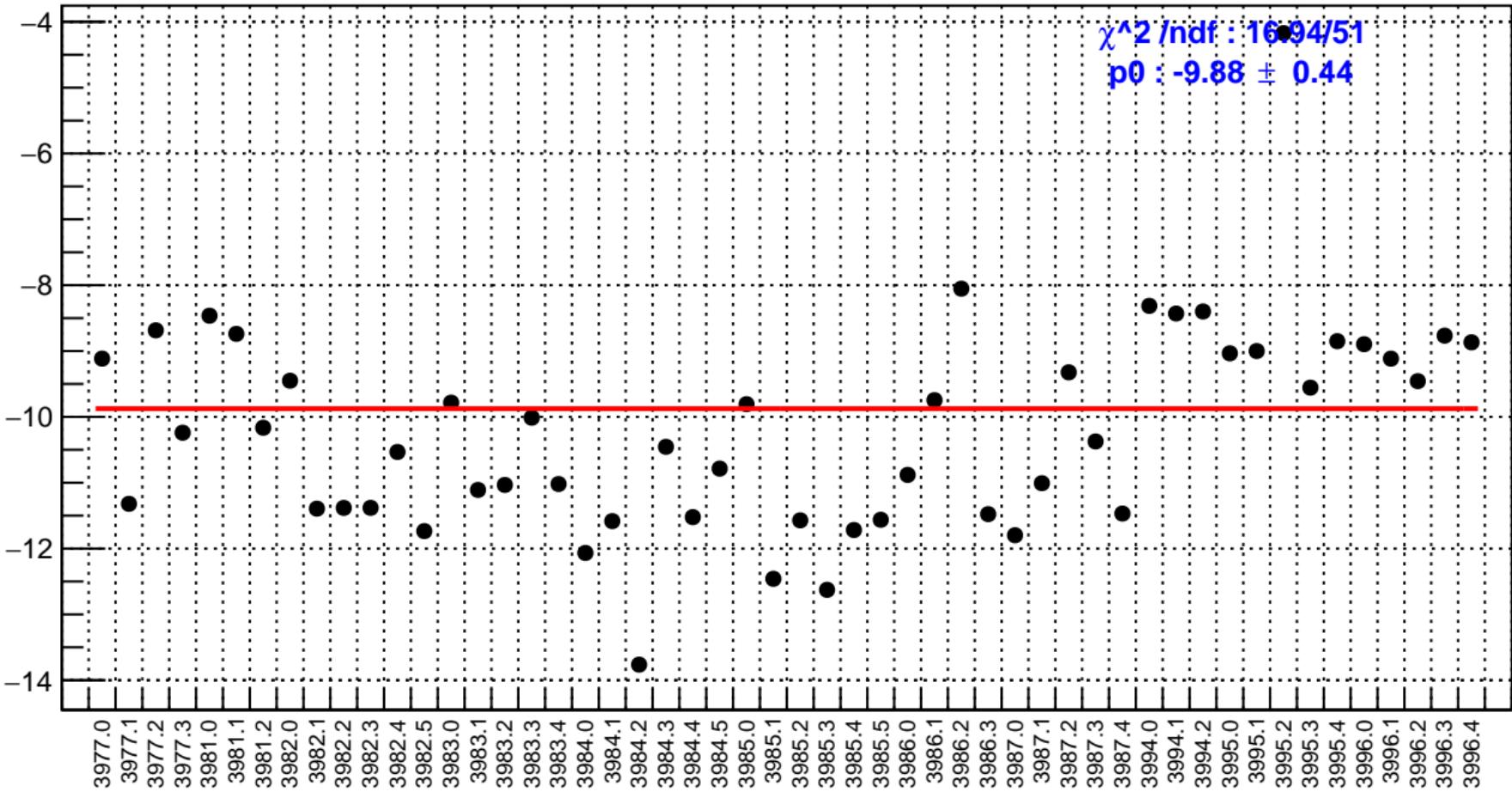
# slug37: right\_avg\_bpm4eY/(ppb/nm)



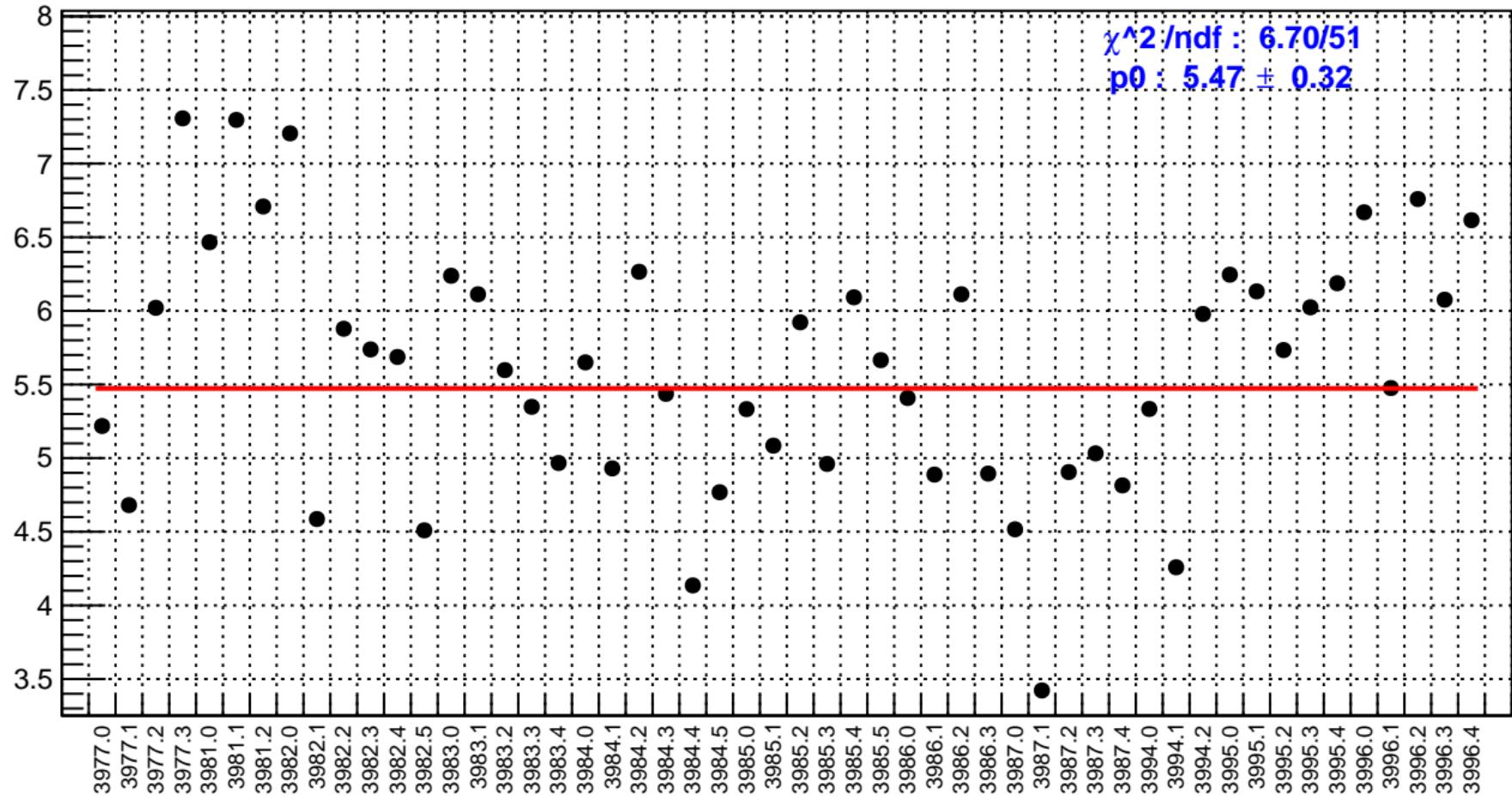
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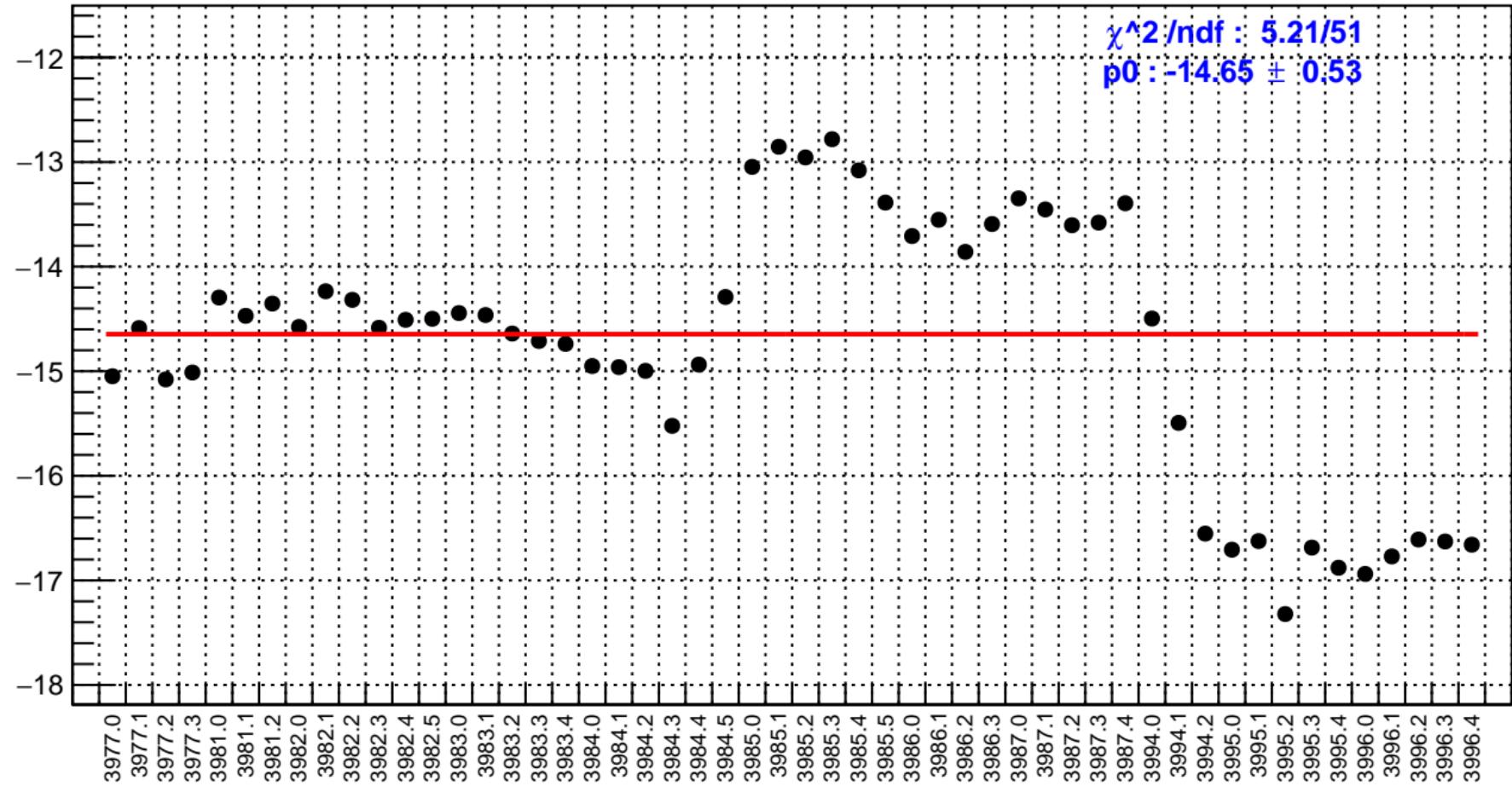
# slug37: us\_avg\_bpm4aX/(ppb/nm)



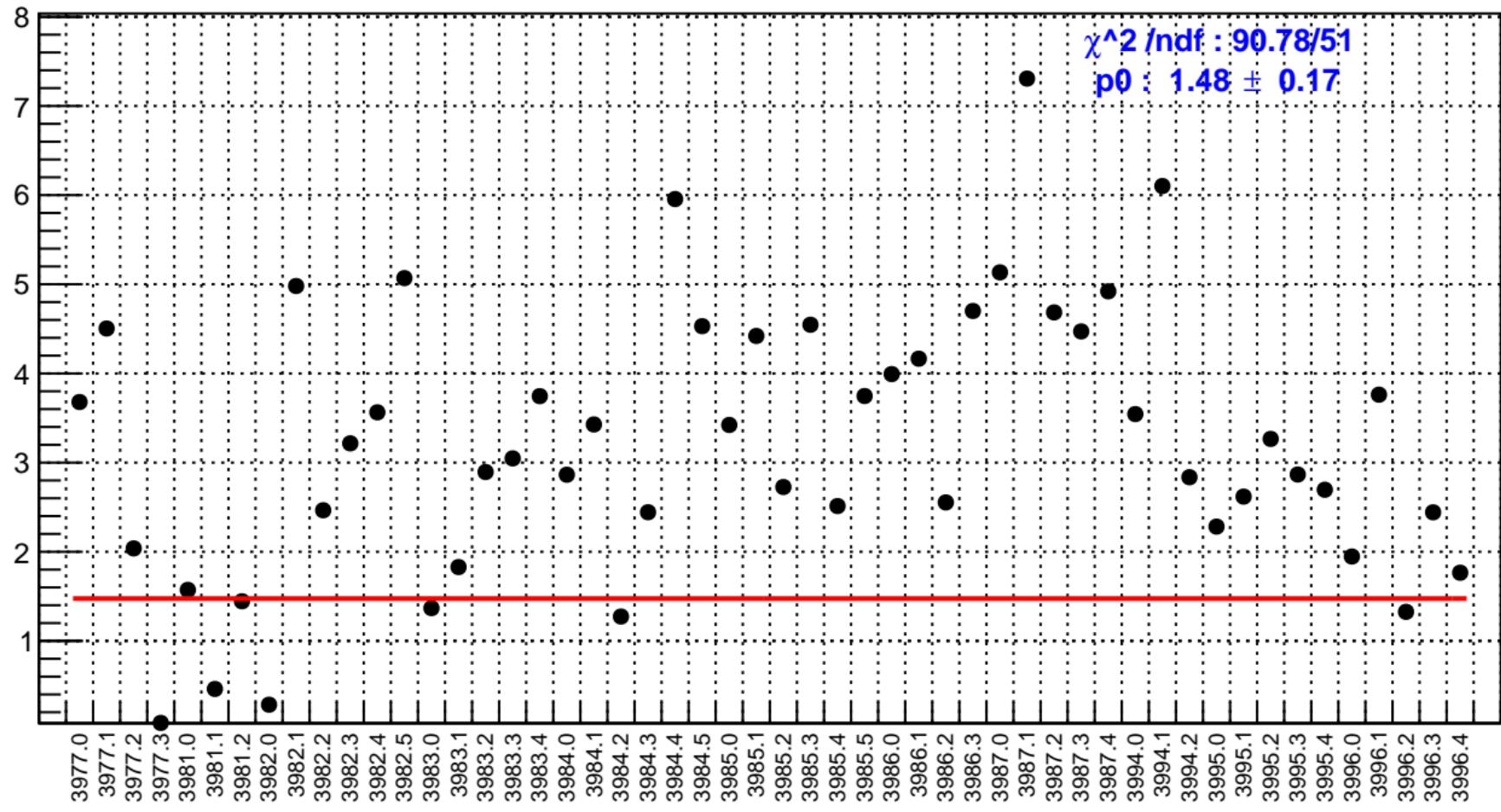
# slug37: us\_avg\_bpm4aY/(ppb/nm)



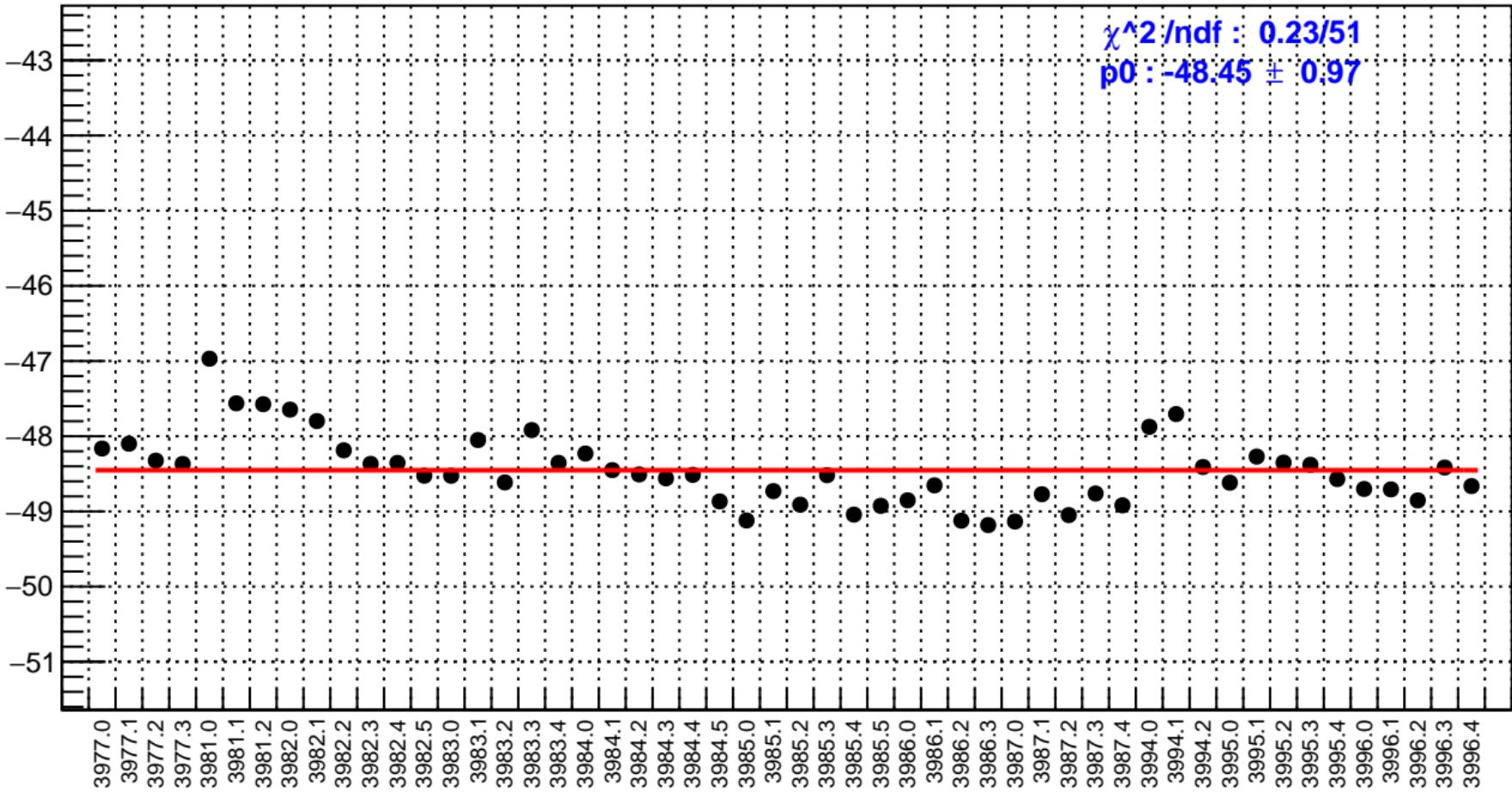
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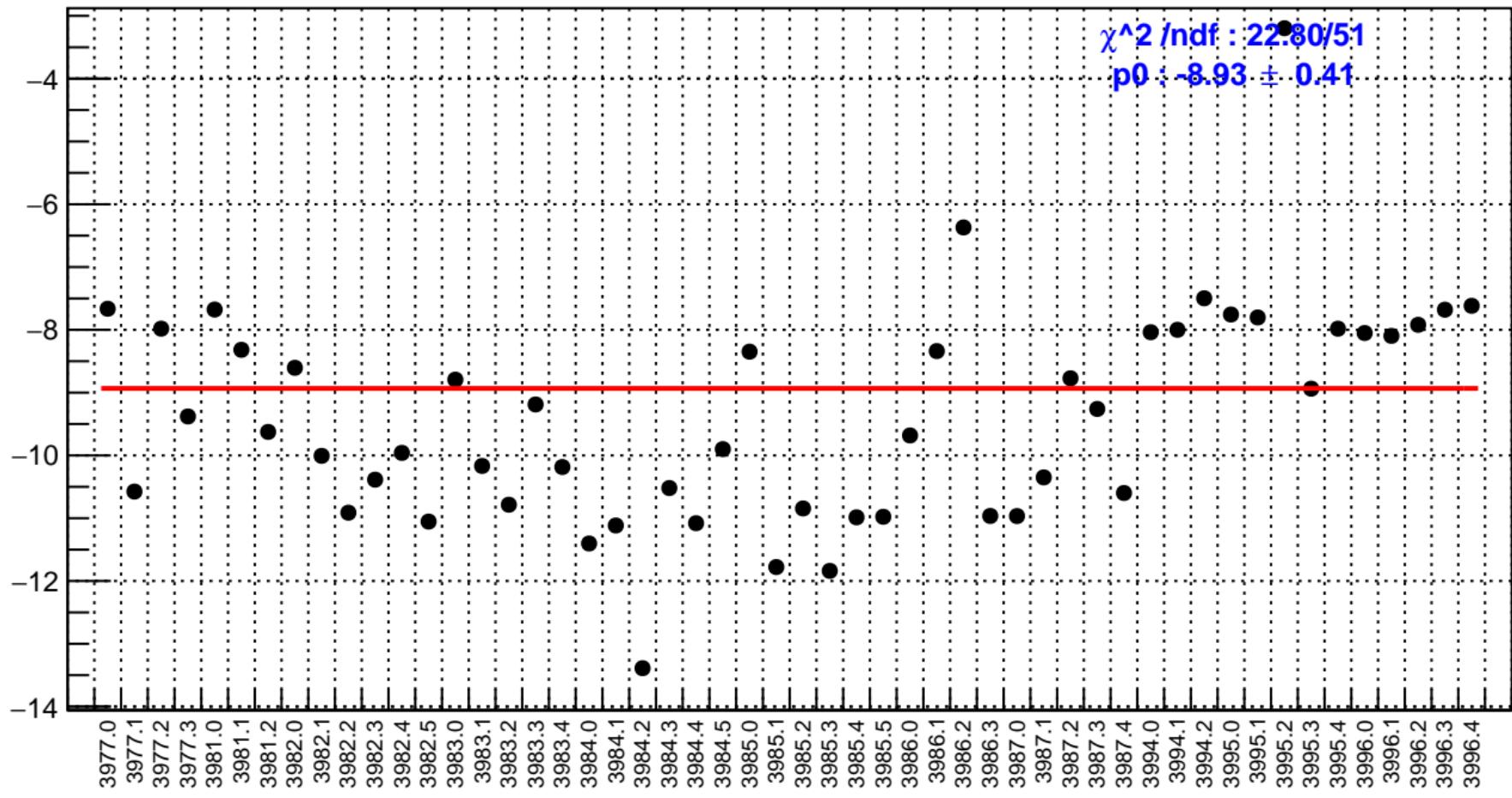
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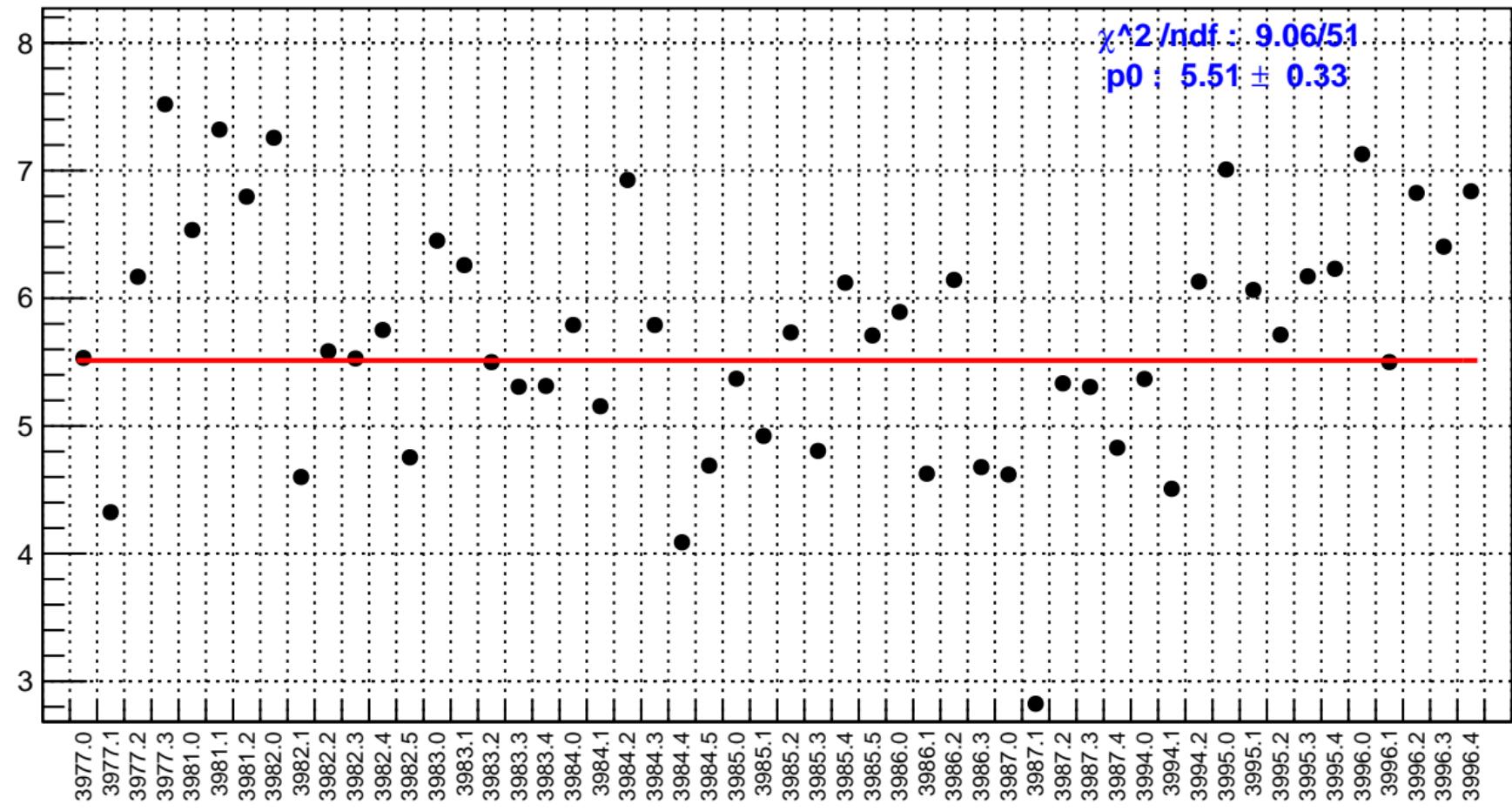
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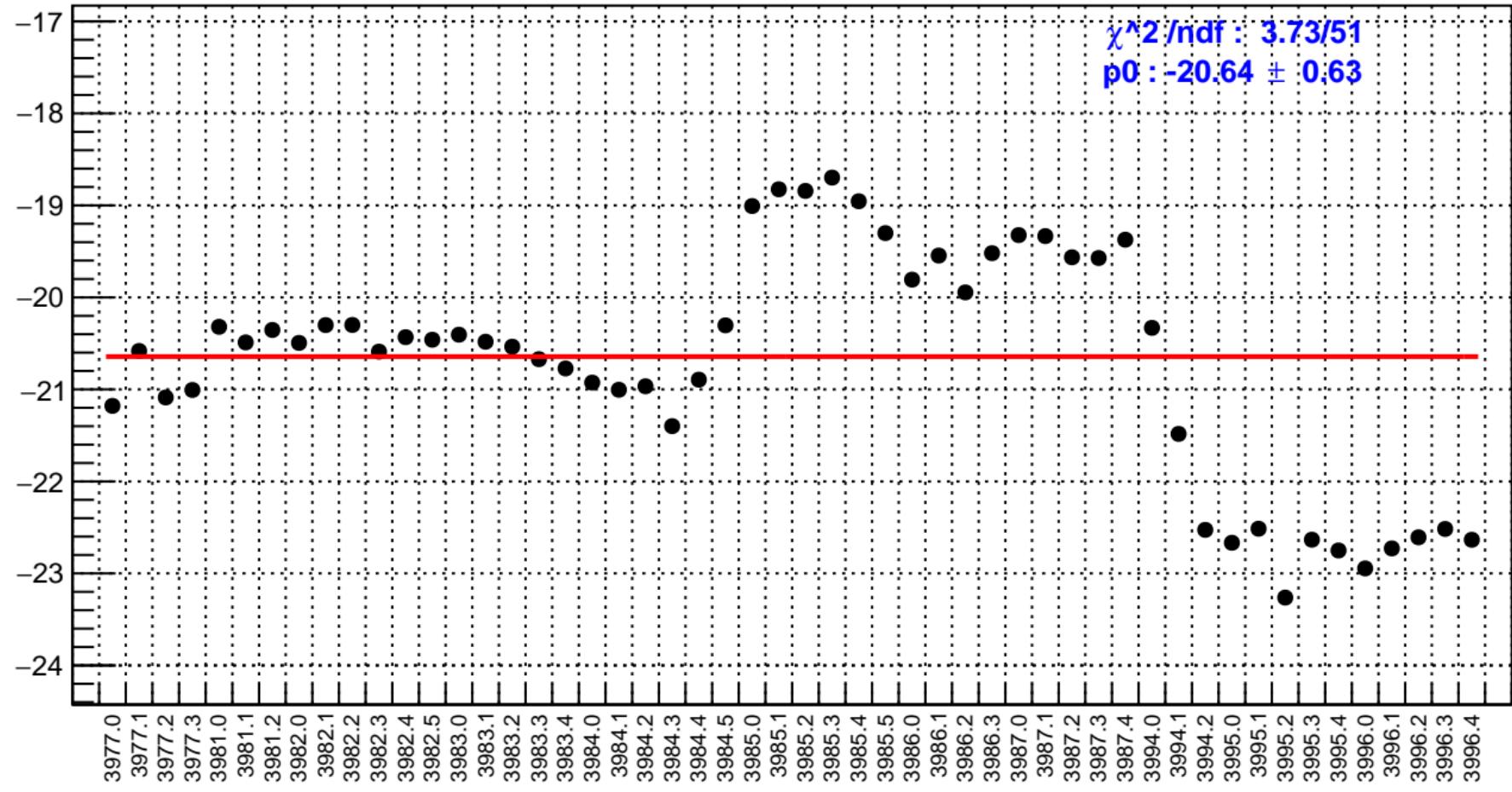
# slug37: ds\_avg\_bpm4aX/(ppb/nm)



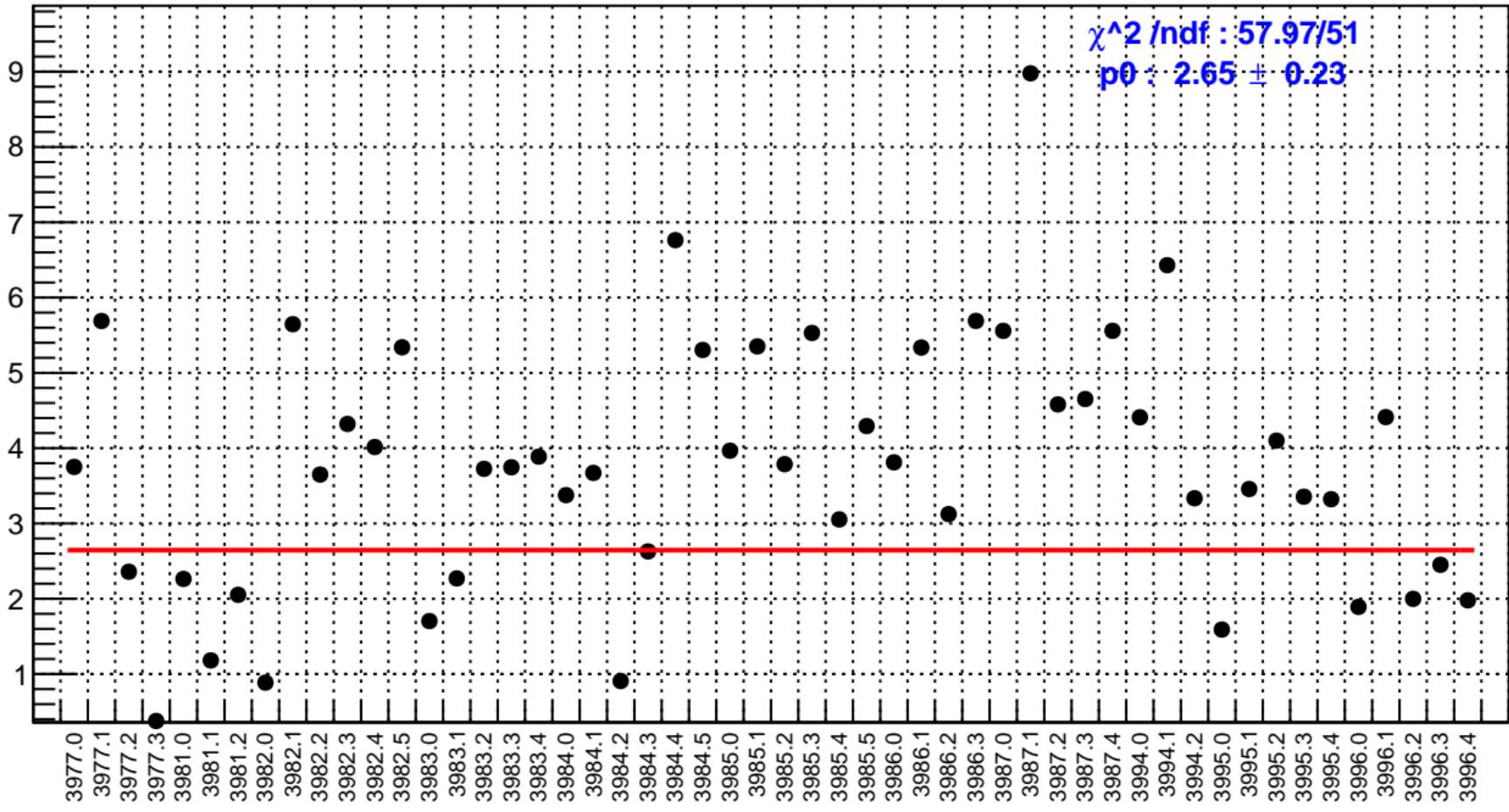
# slug37: ds\_avg\_bpm4aY/(ppb/nm)



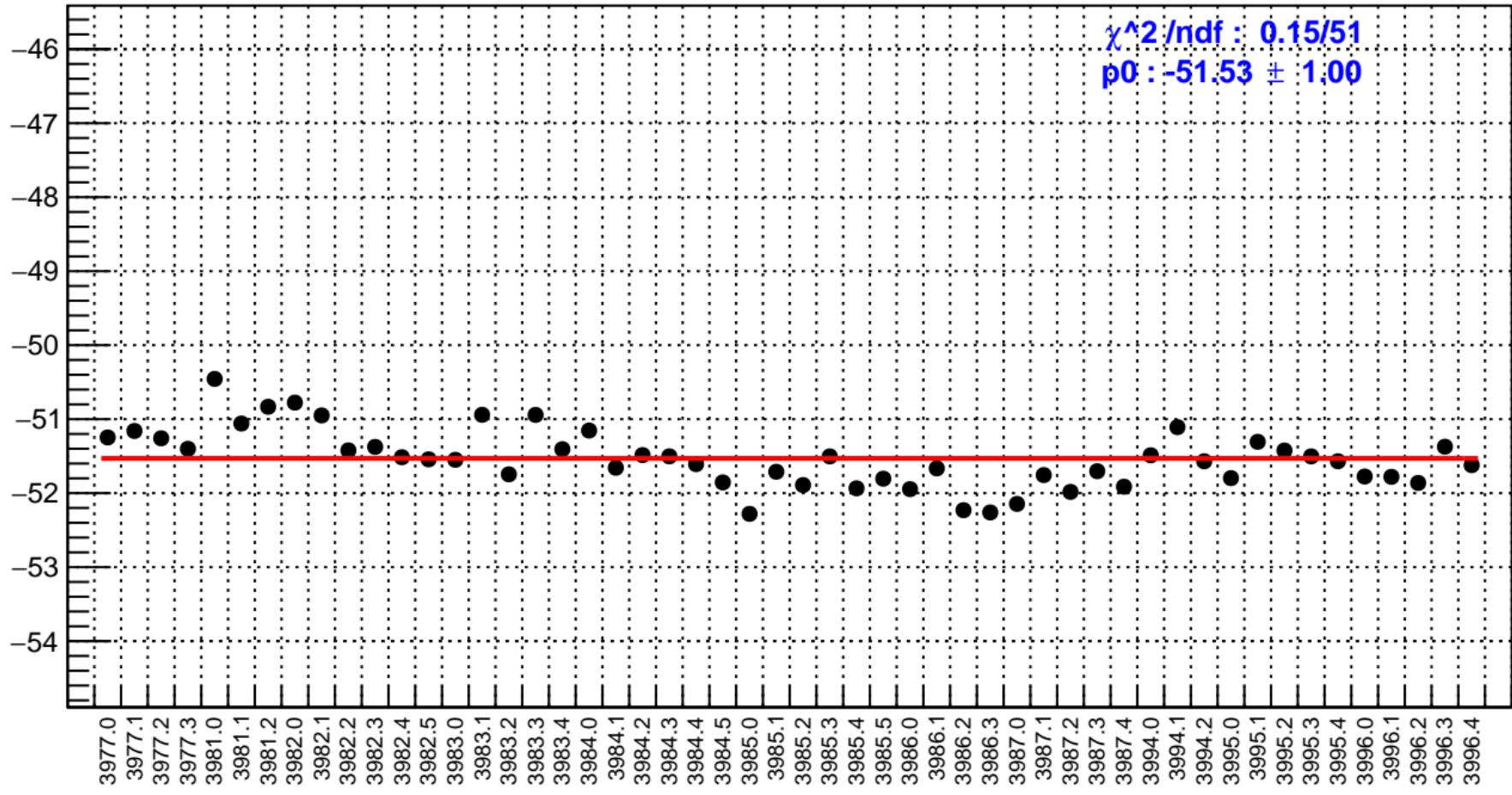
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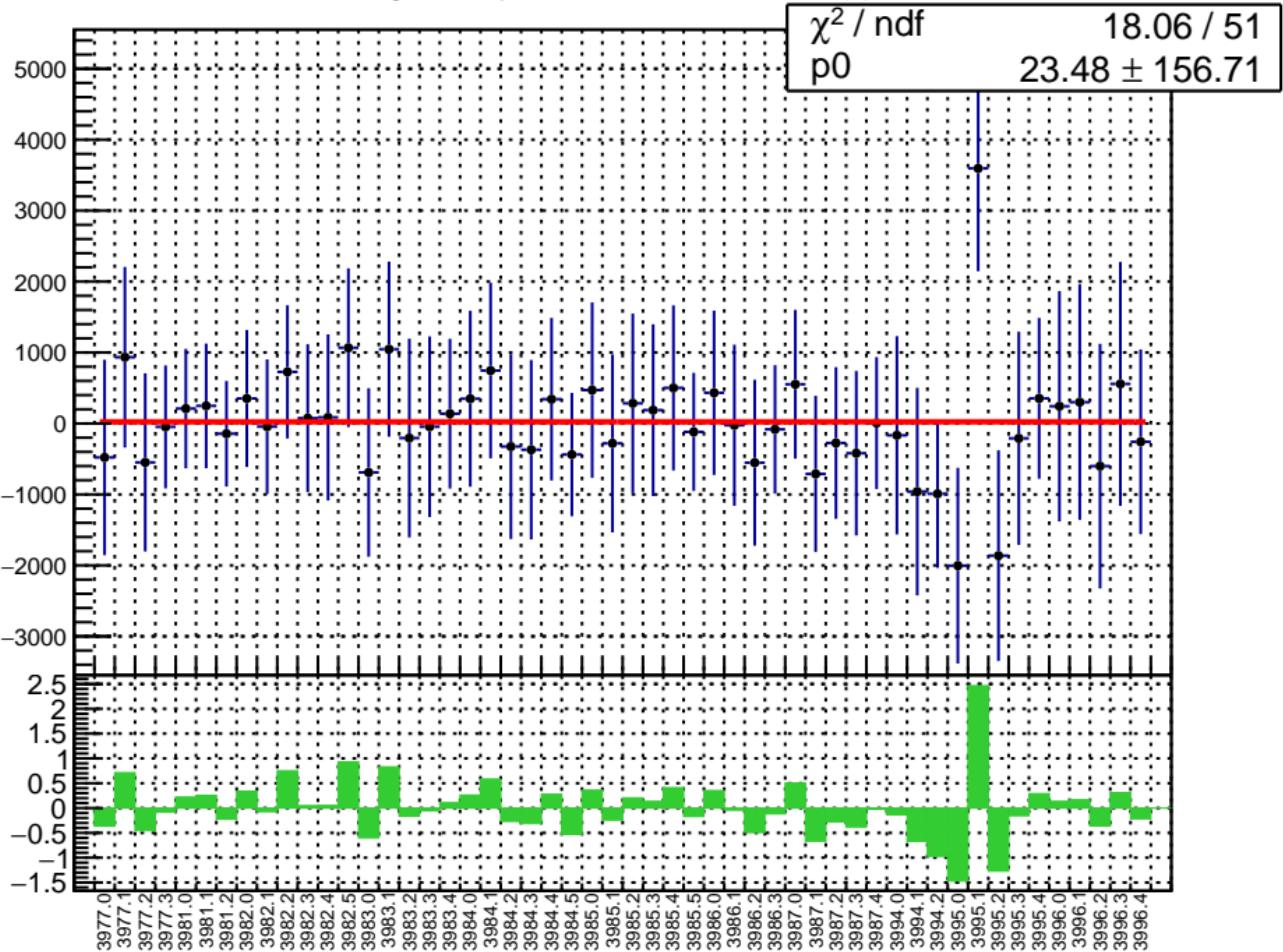
# slug37: ds\_avg\_bpm4eY/(ppb/nm)



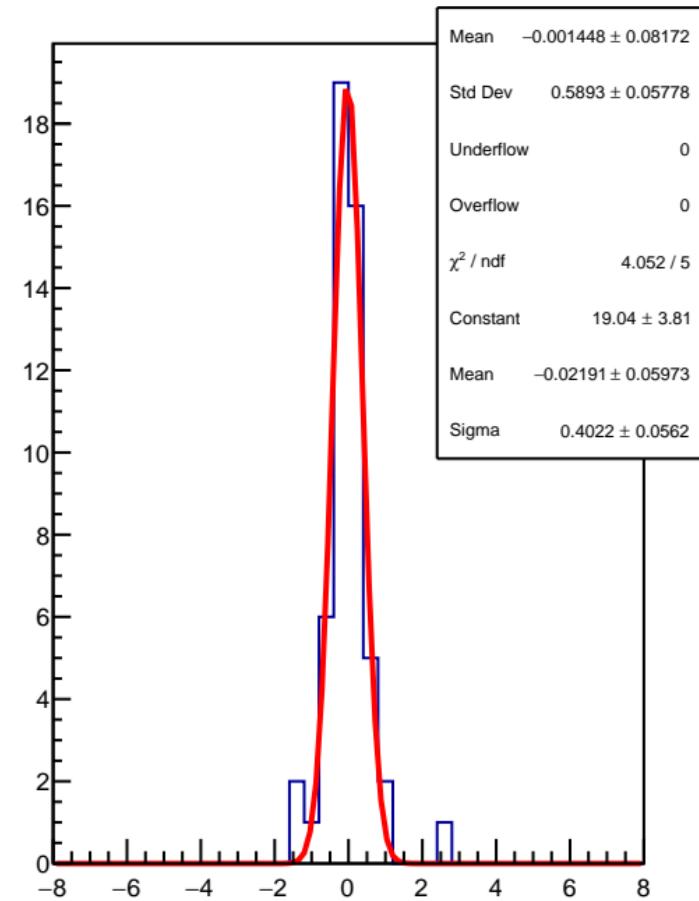
# slug37: ds\_avg\_bpm12X/(ppb/nm)



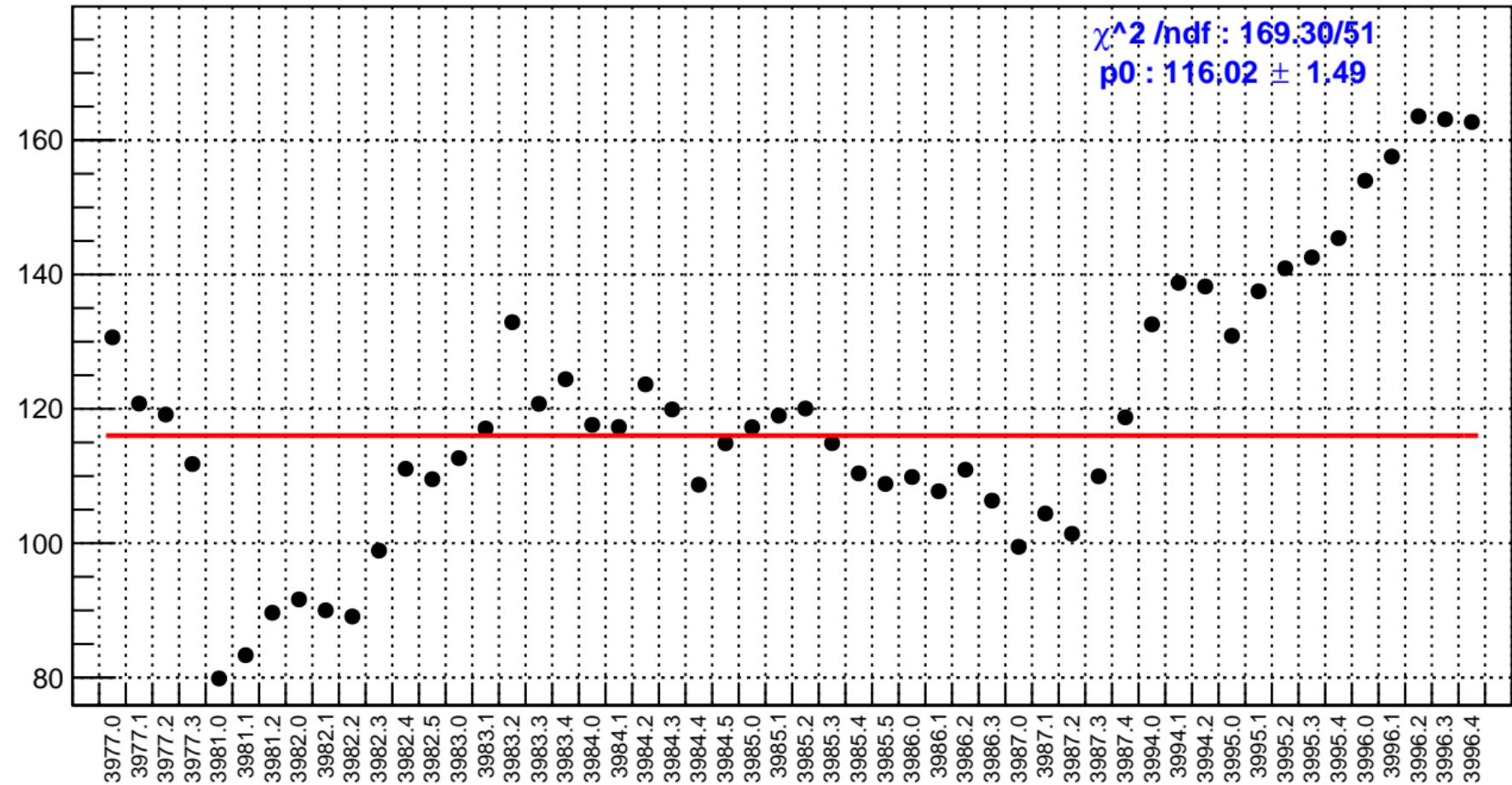
slug37: asym\_bcm\_an\_ds.mean/ppb



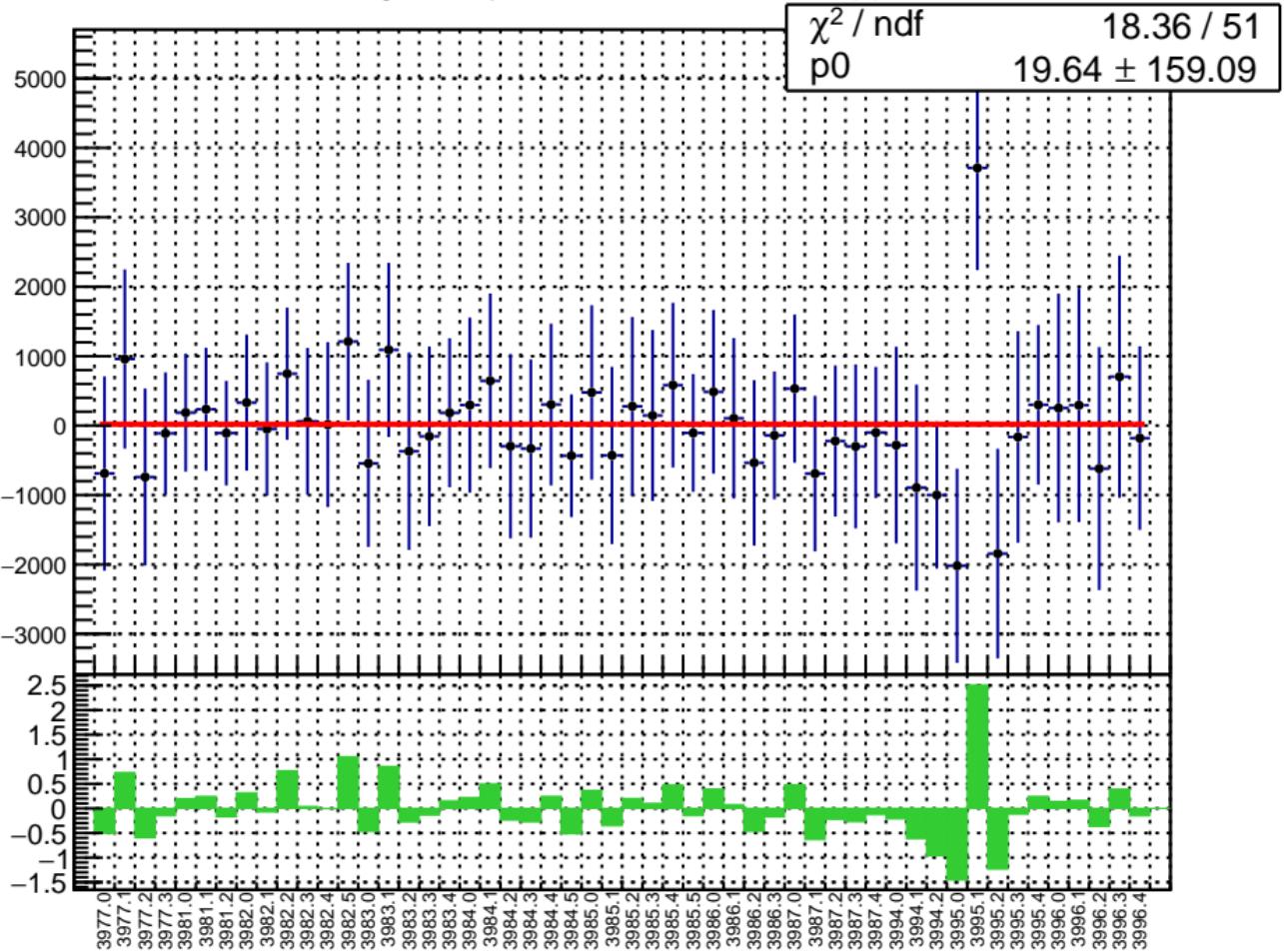
1D pull distribution



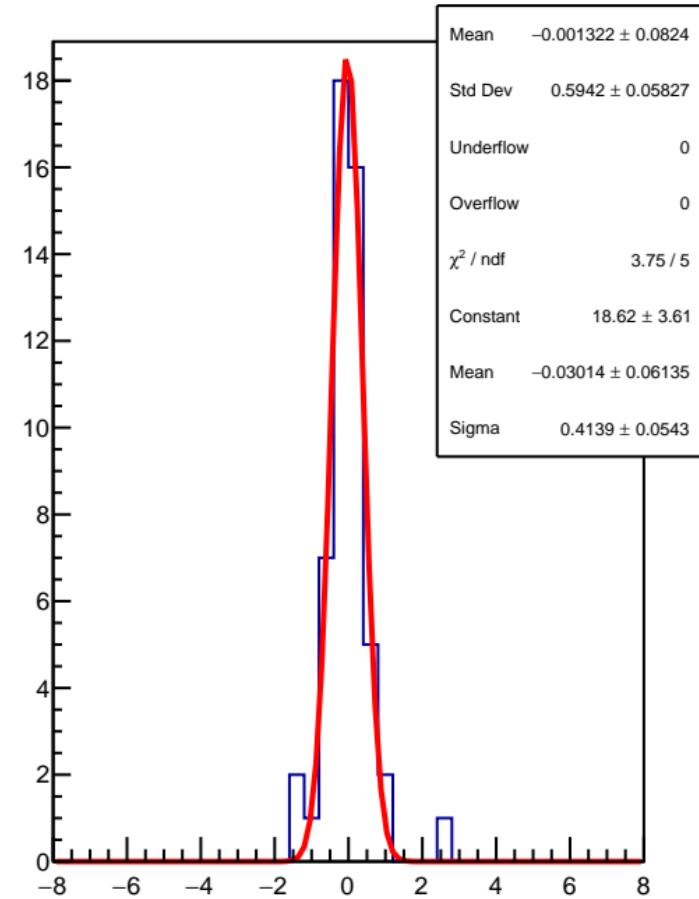
# slug37: asym\_bcm\_an\_ds.rms/ppm



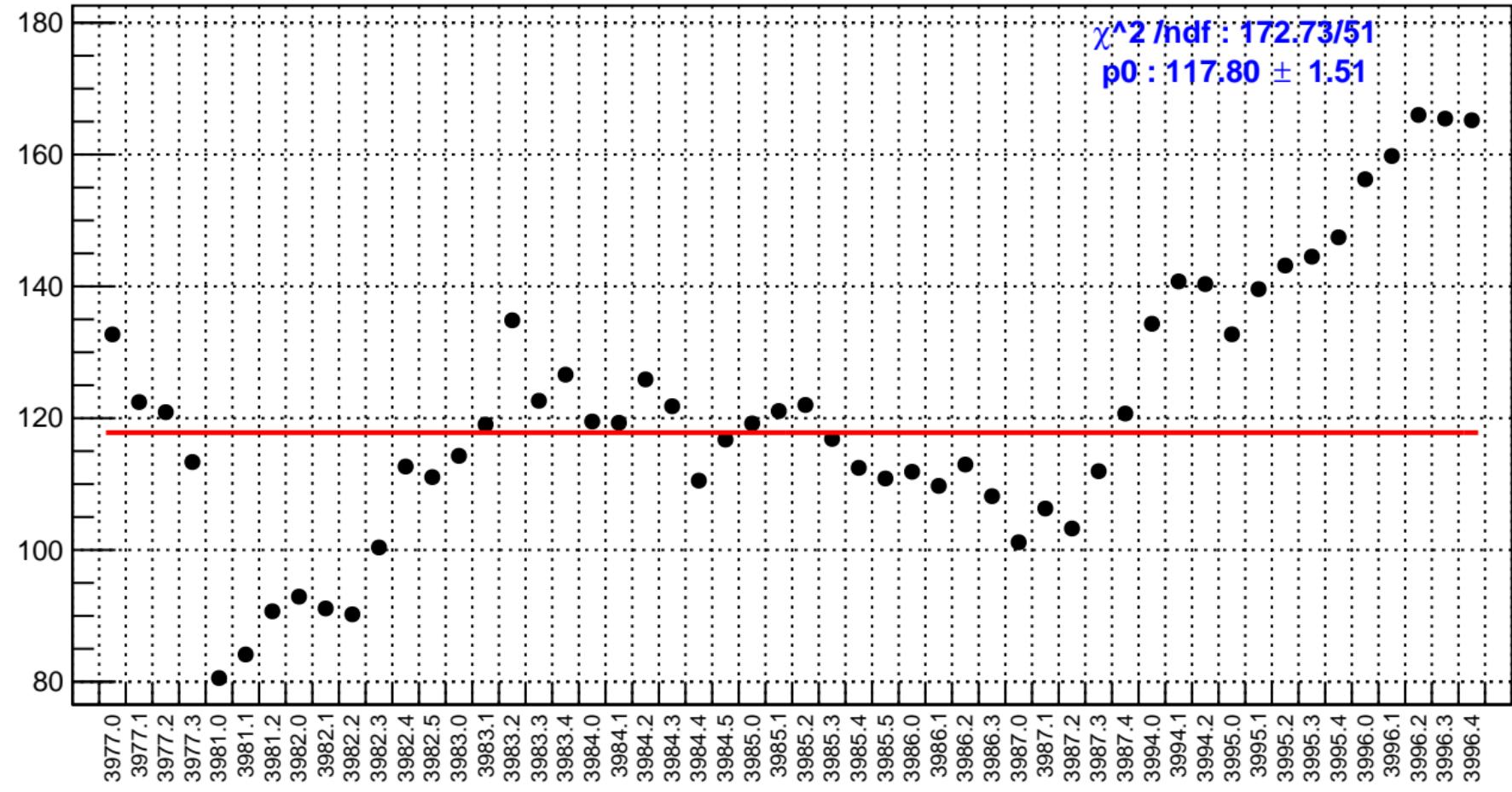
## slug37: asym\_bcm\_an\_ds3.mean/ppb



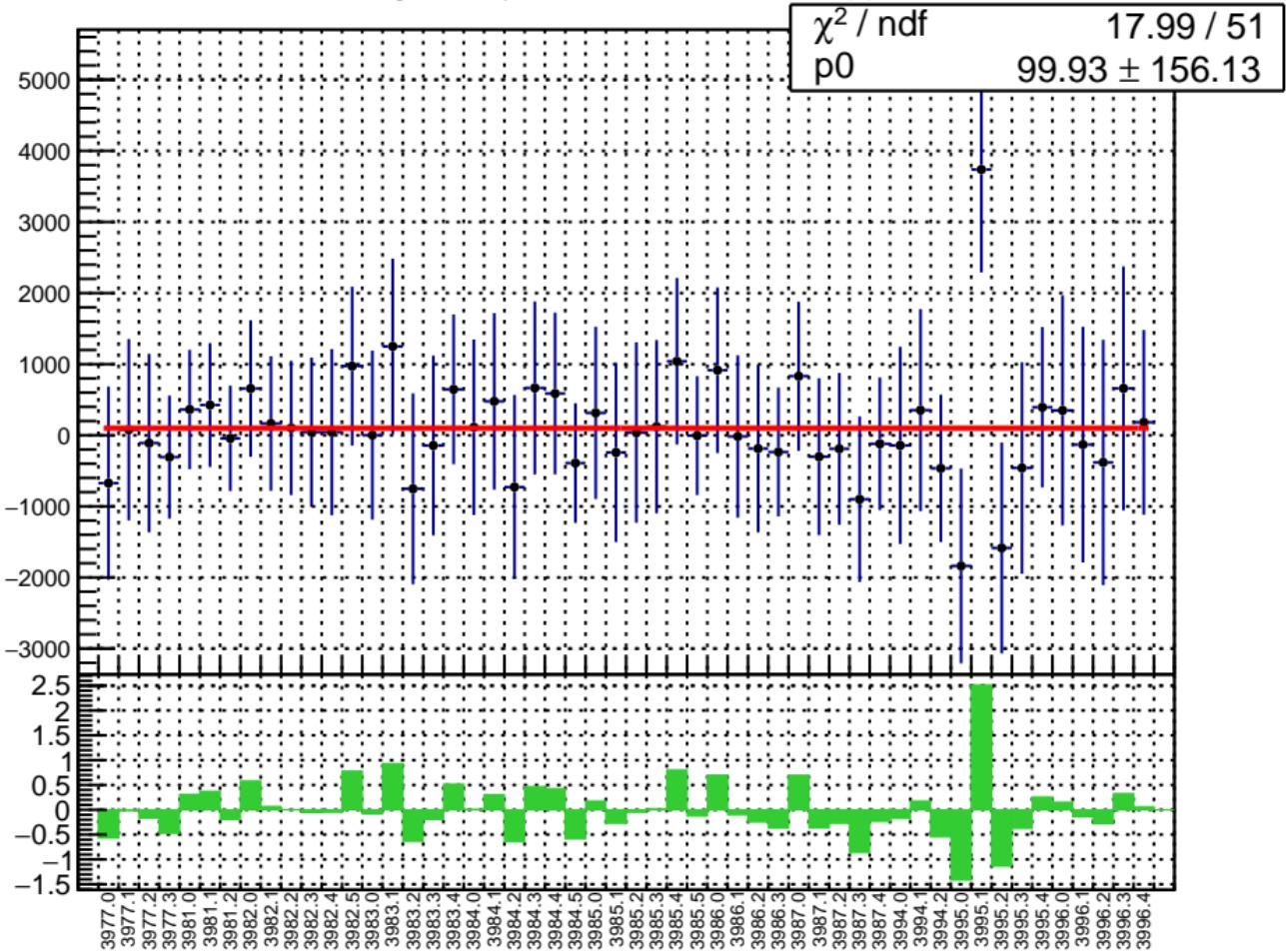
## 1D pull distribution



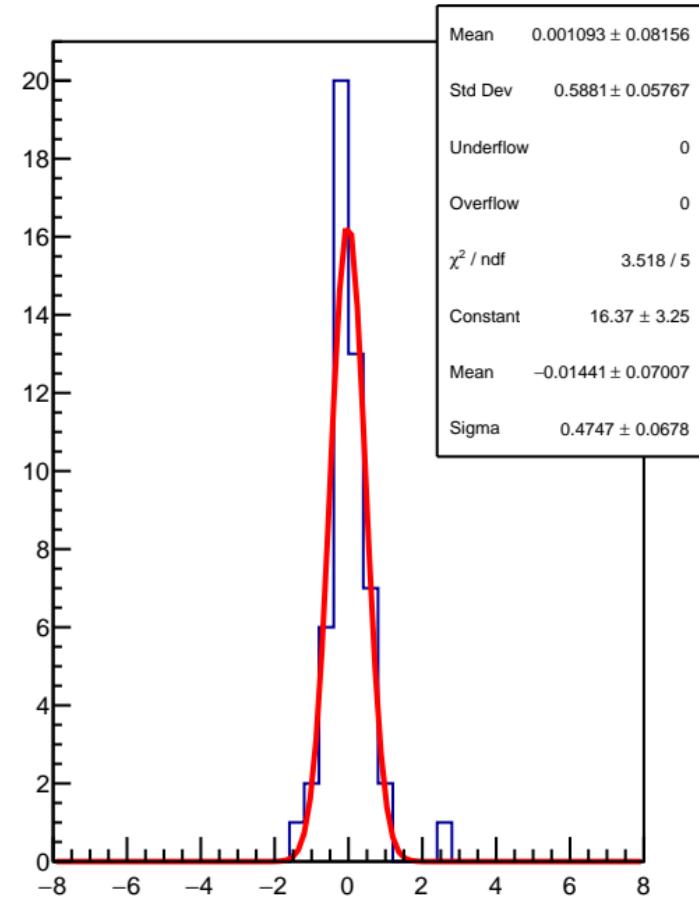
# slug37: asym\_bcm\_an\_ds3.rms/ppm



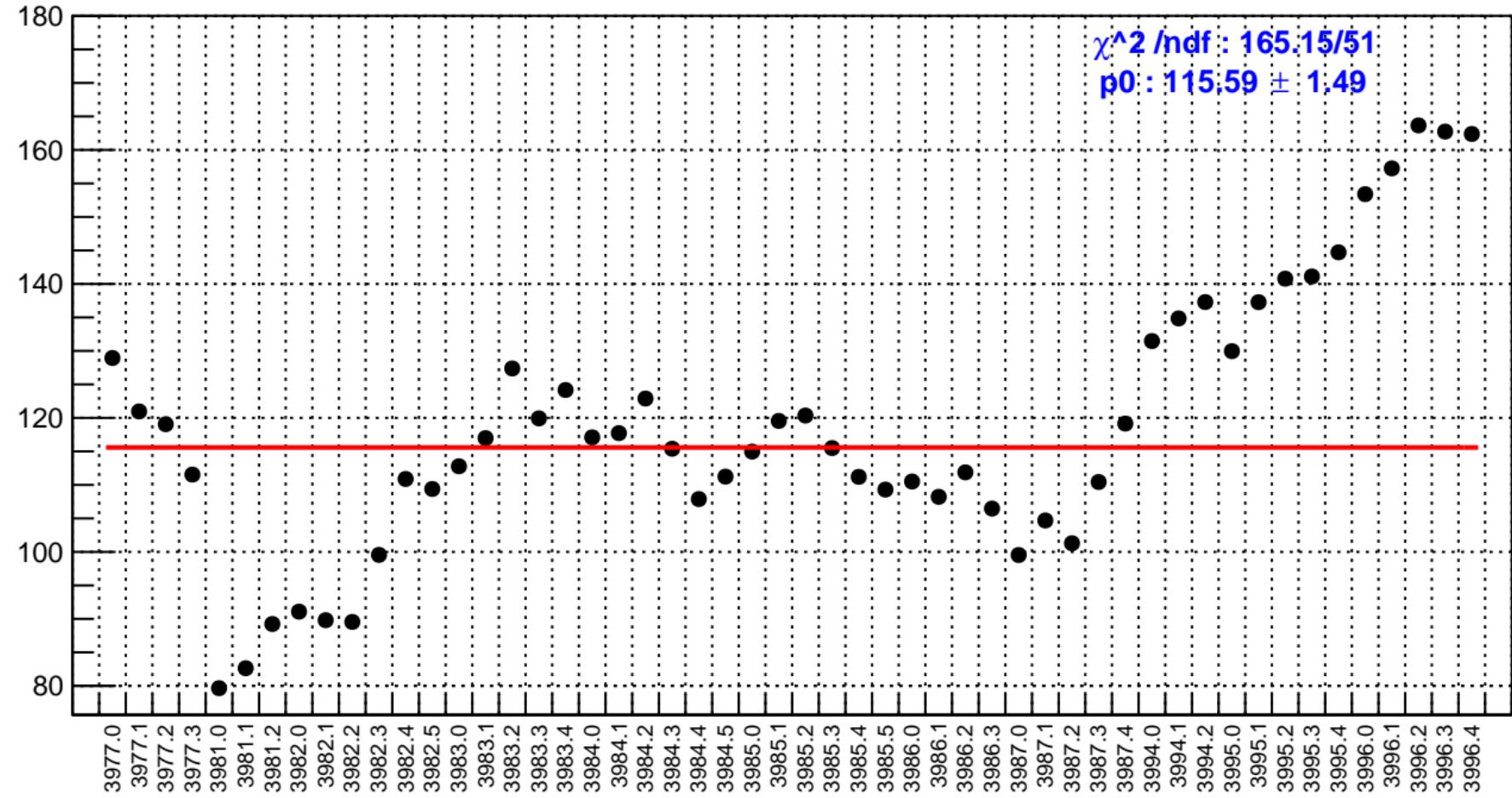
slug37: asym\_bcm\_an\_us.mean/ppb

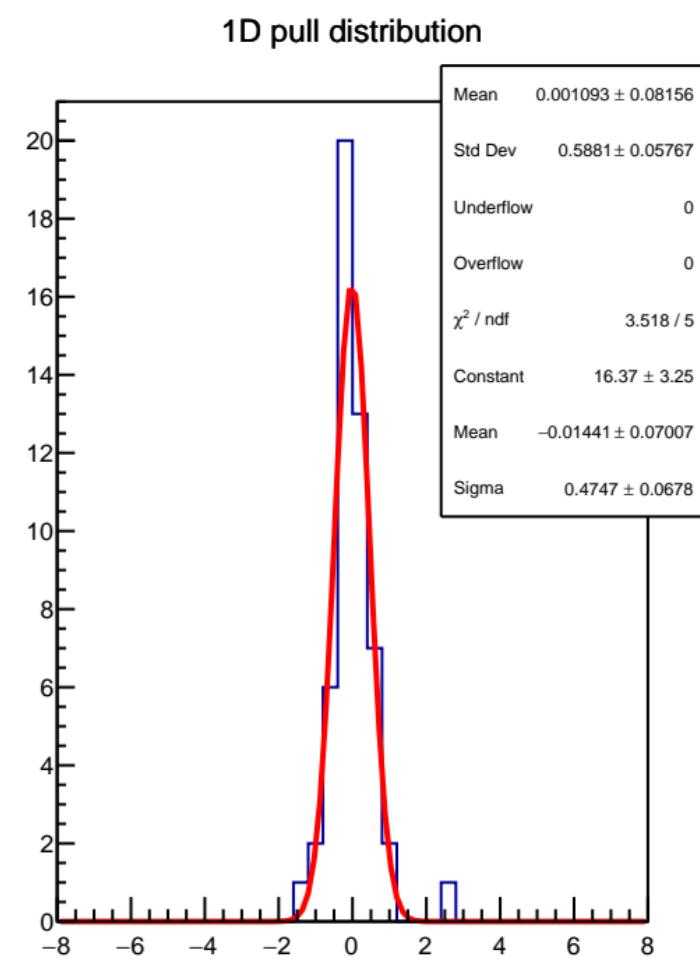
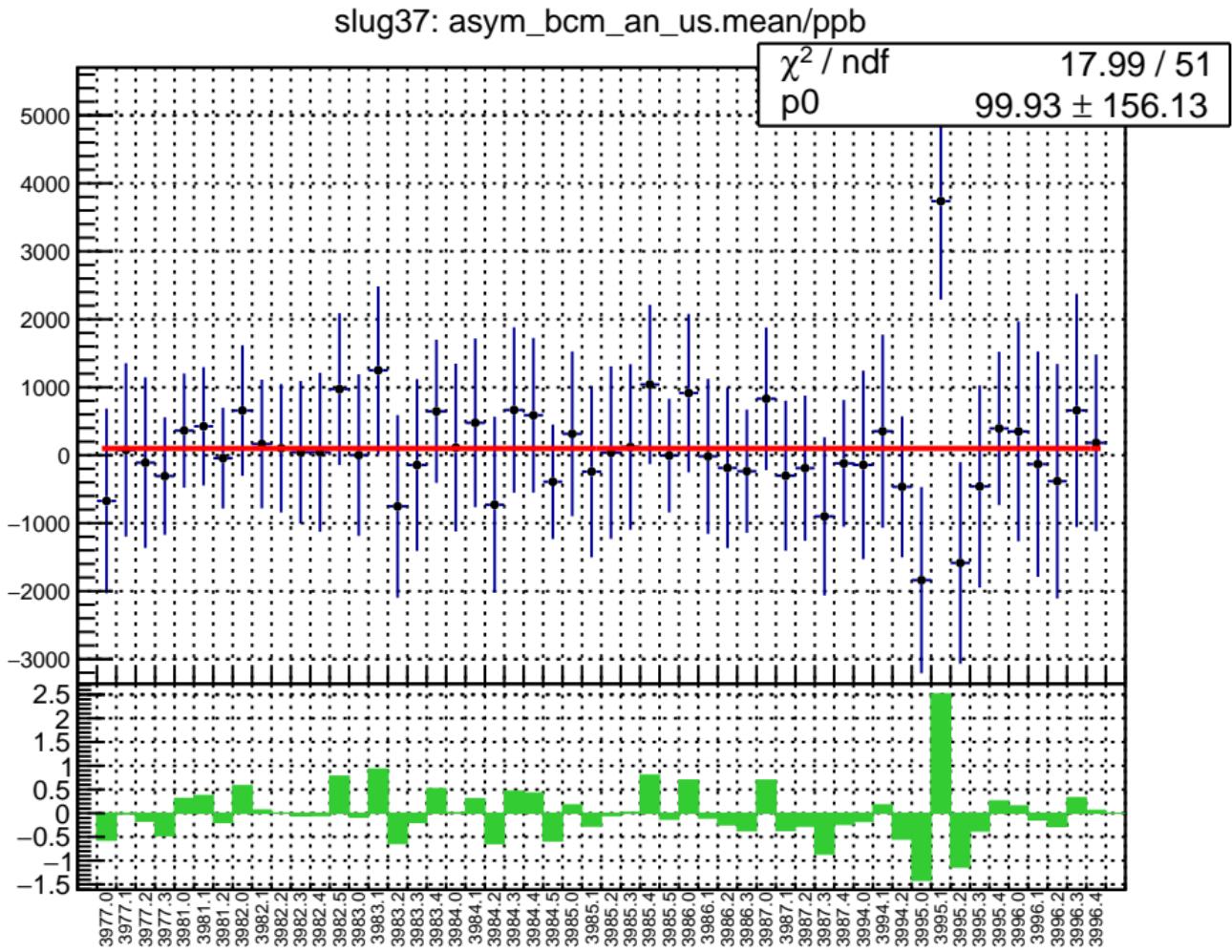


1D pull distribution

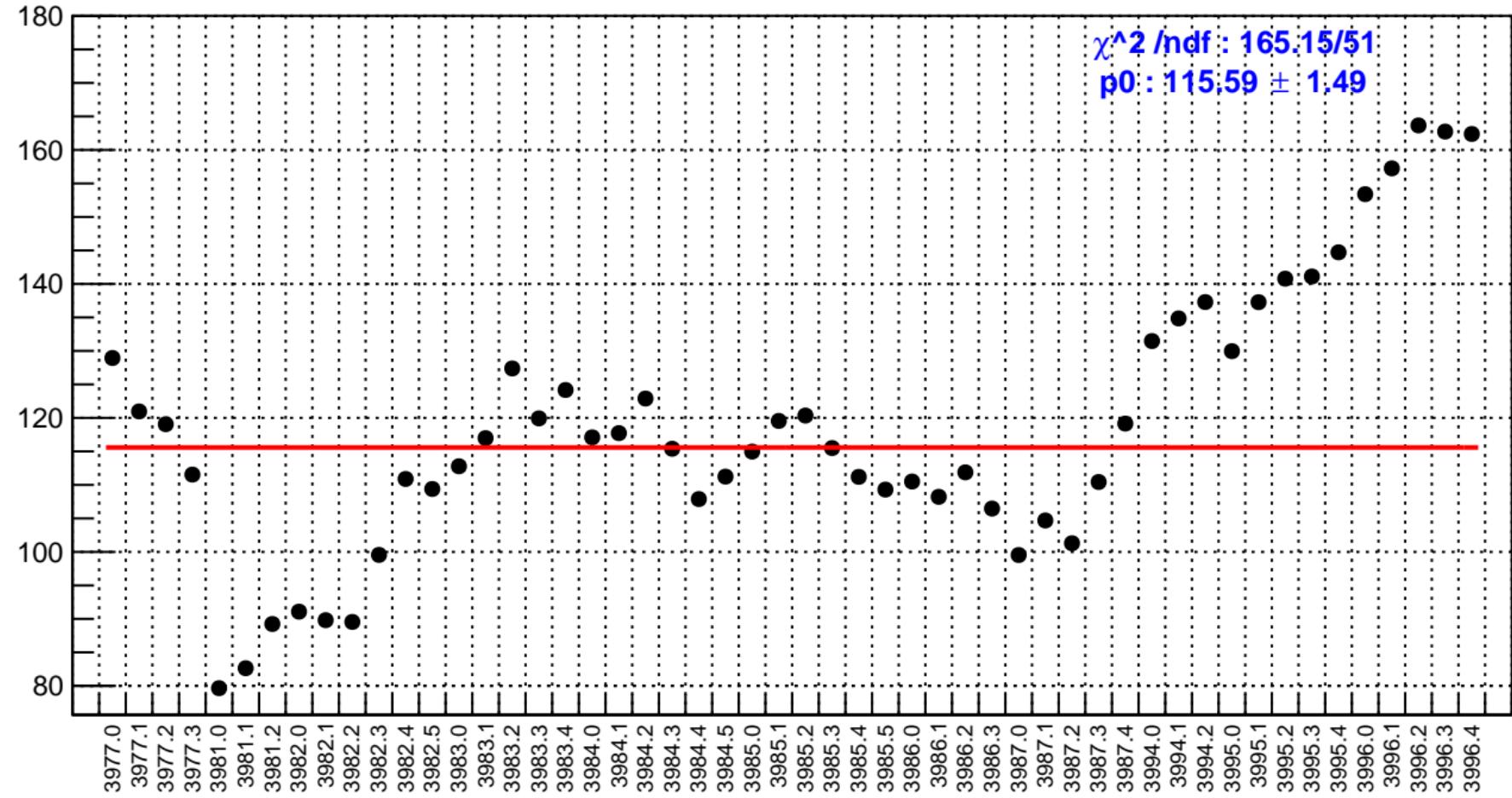


# slug37: asym\_bcm\_an\_us.rms/ppm

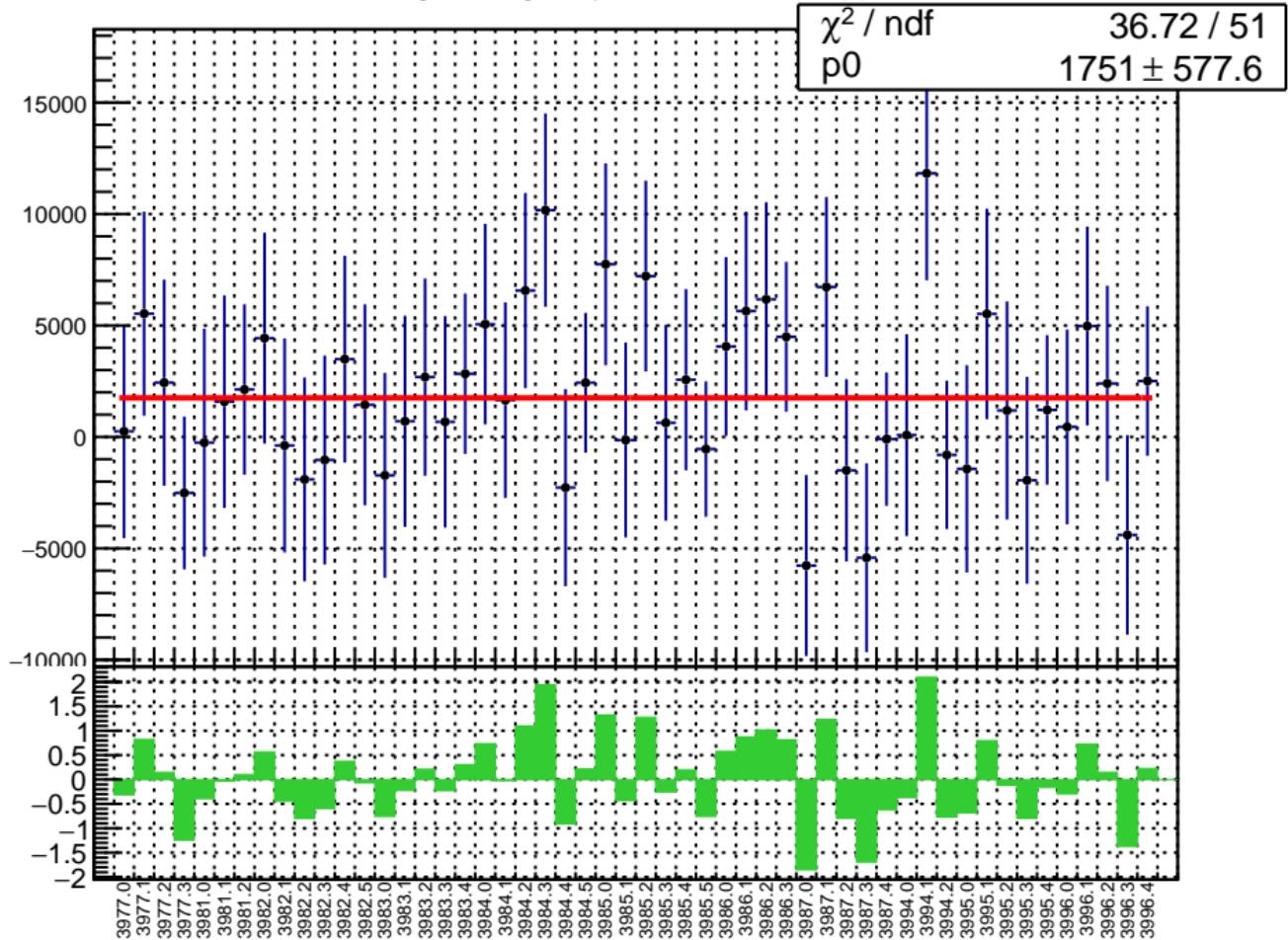




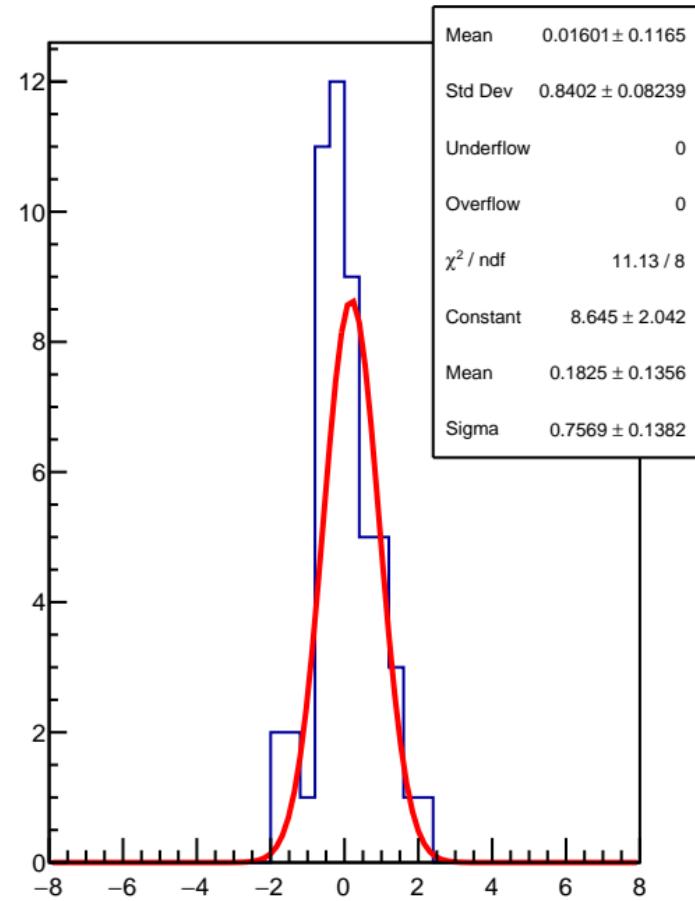
# slug37: asym\_bcm\_an\_us.rms/ppm



slug37: reg\_asym\_sam1.mean/ppb

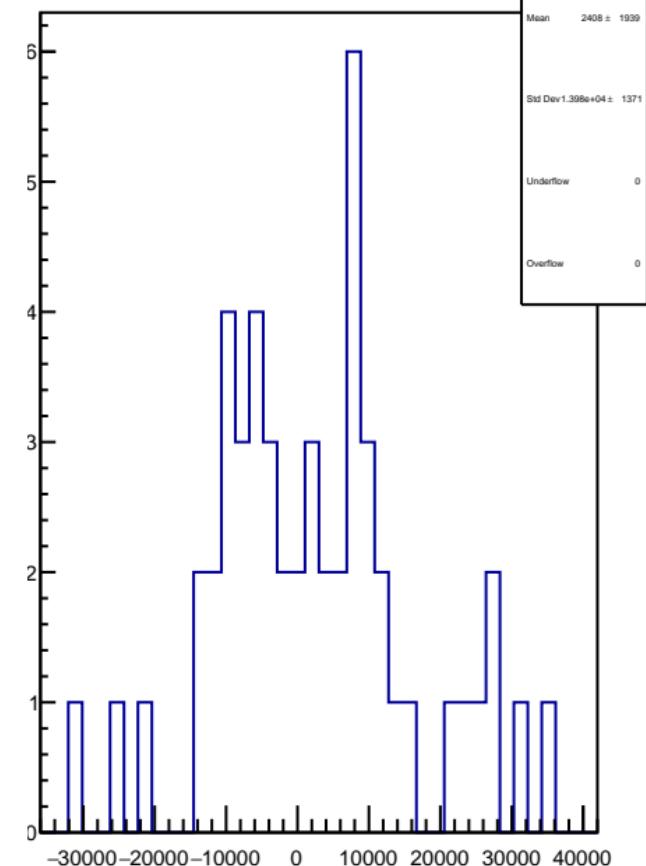
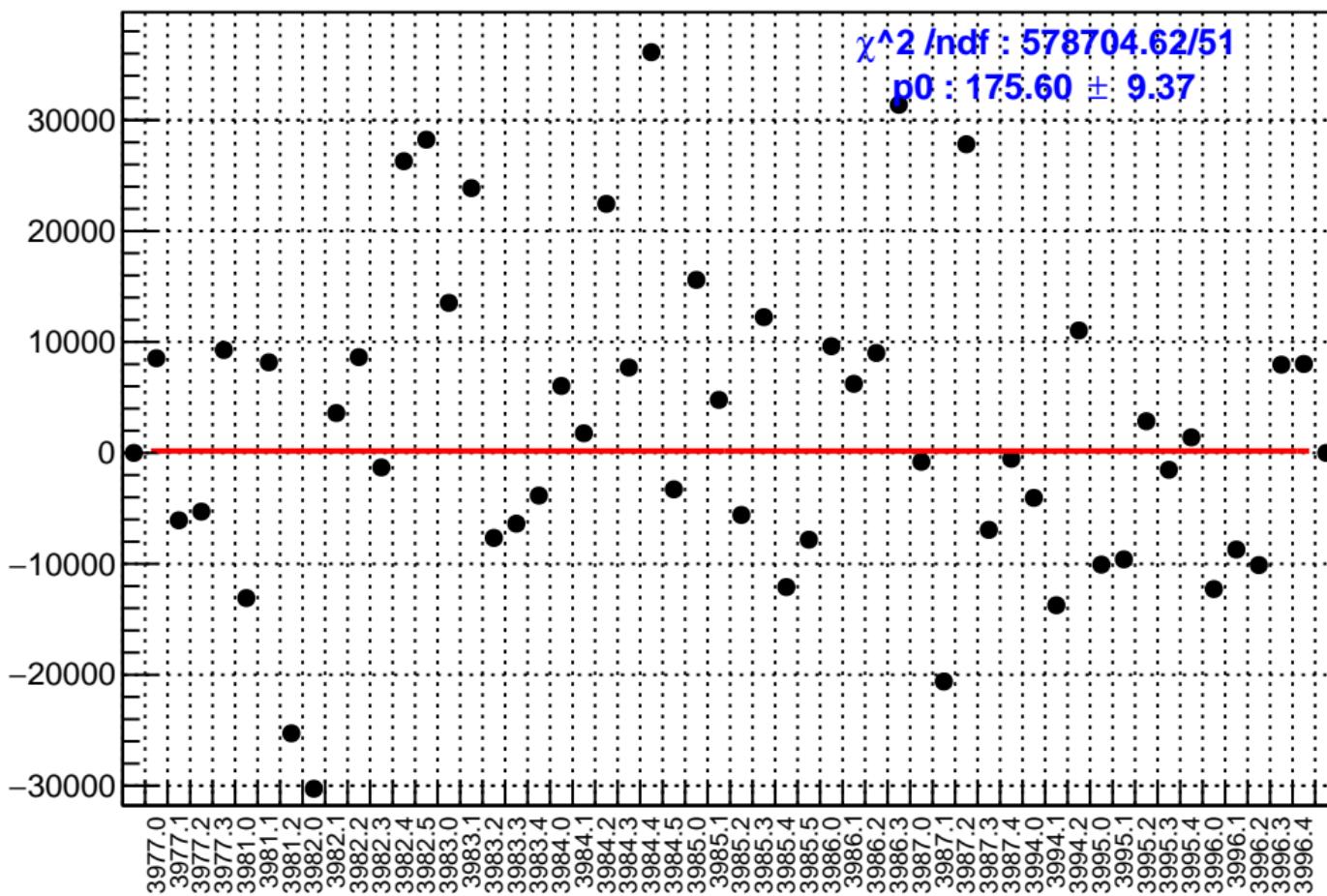


1D pull distribution

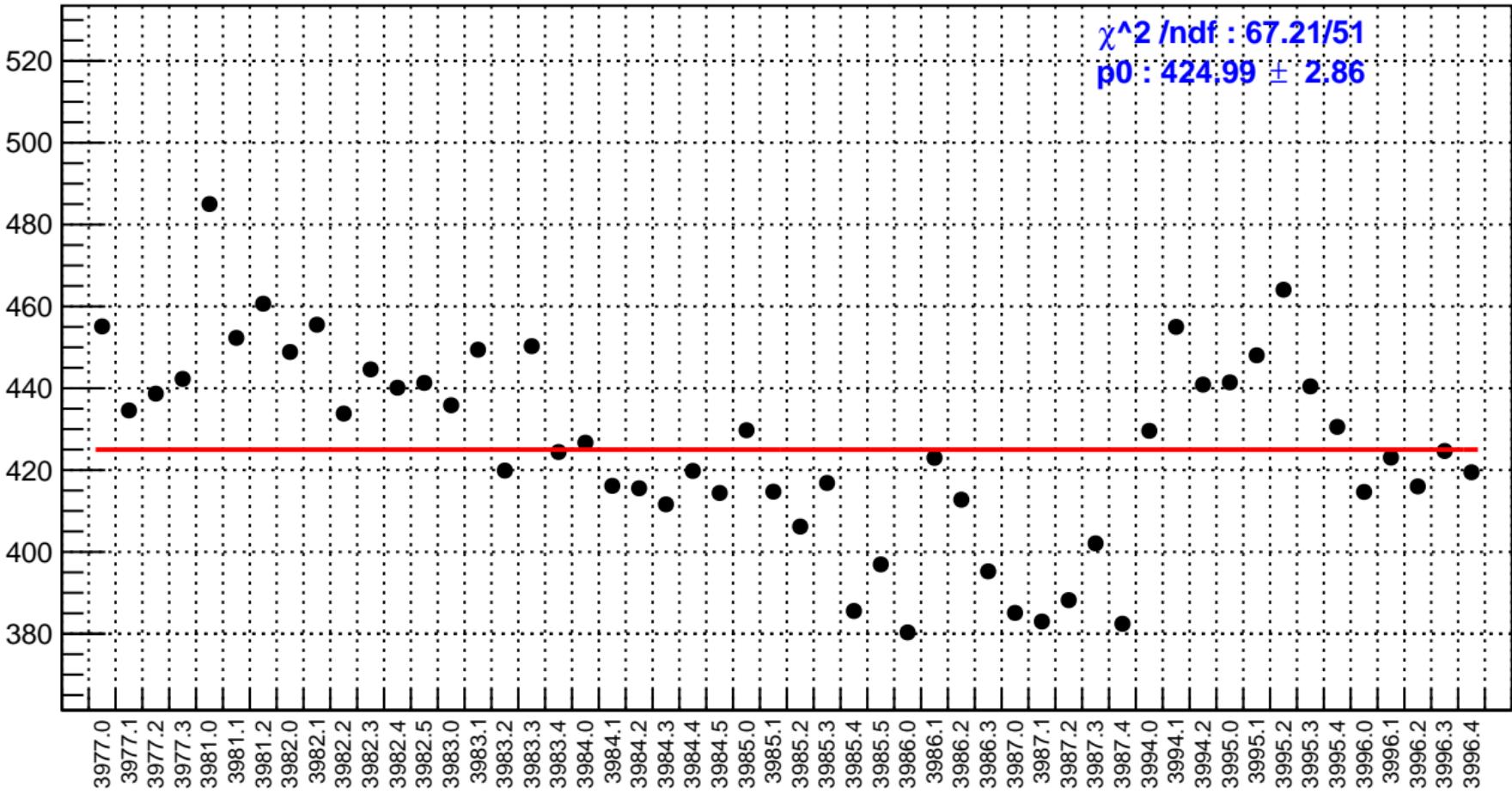


slug37: asym\_sam1.mean/ppb-reg\_asym\_sam1.mean/ppb

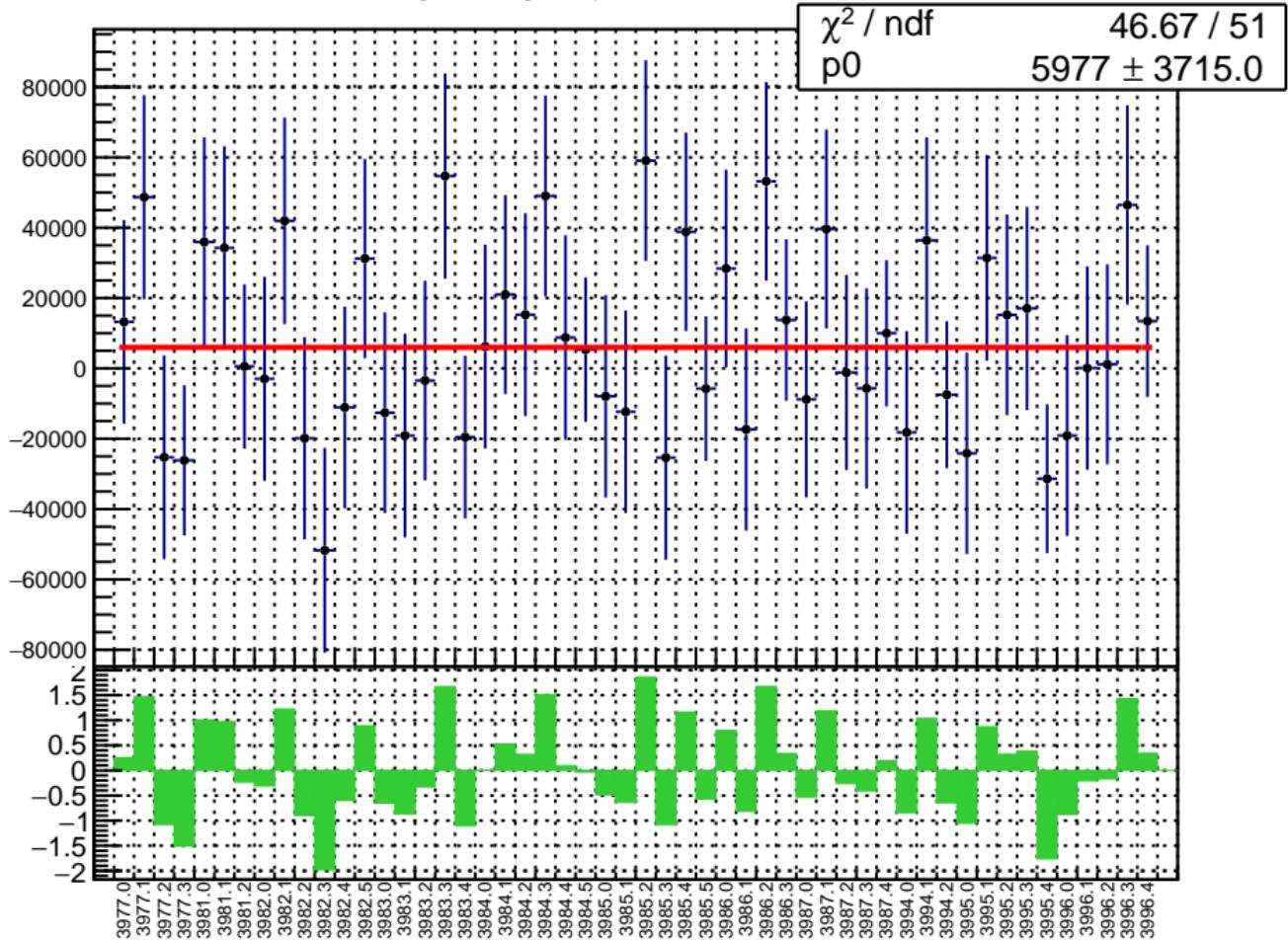
slug37: 1D Corr asym\_sam1.mean/ppb-reg\_asym\_sam1.mean/ppb



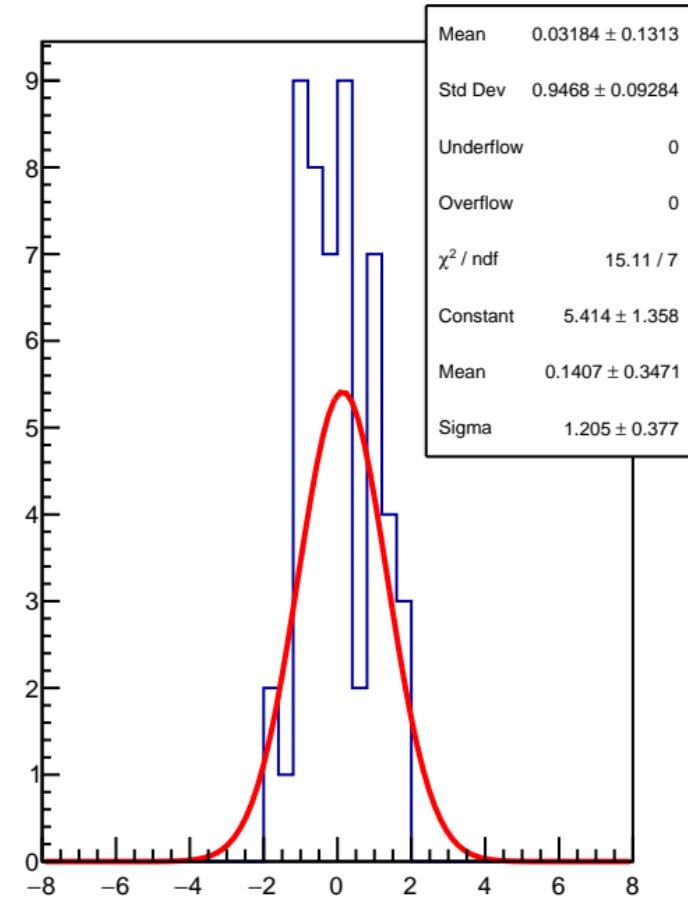
# slug37: reg\_asym\_sam1.rms/ppm



# slug37: reg\_asym\_sam2.mean/ppb

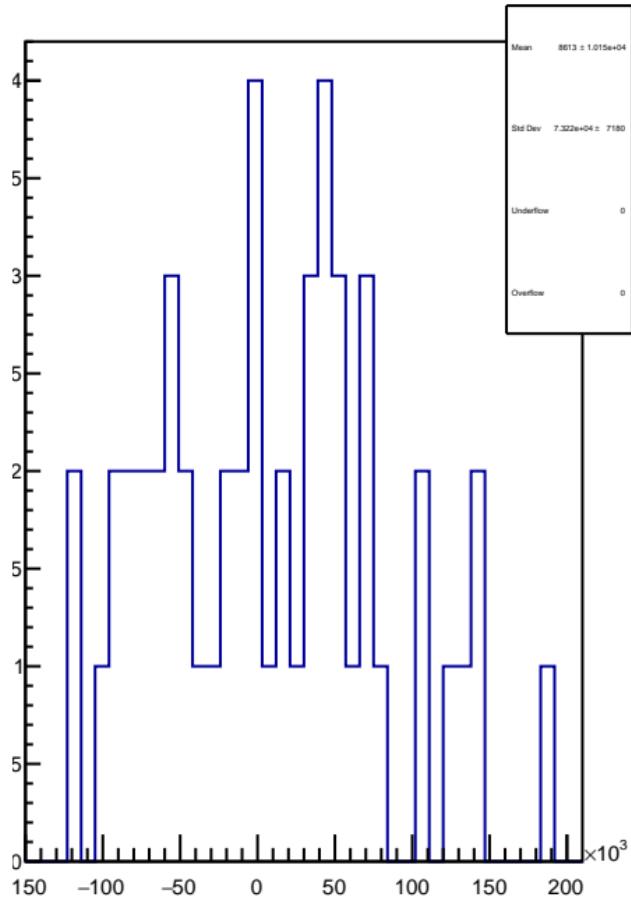
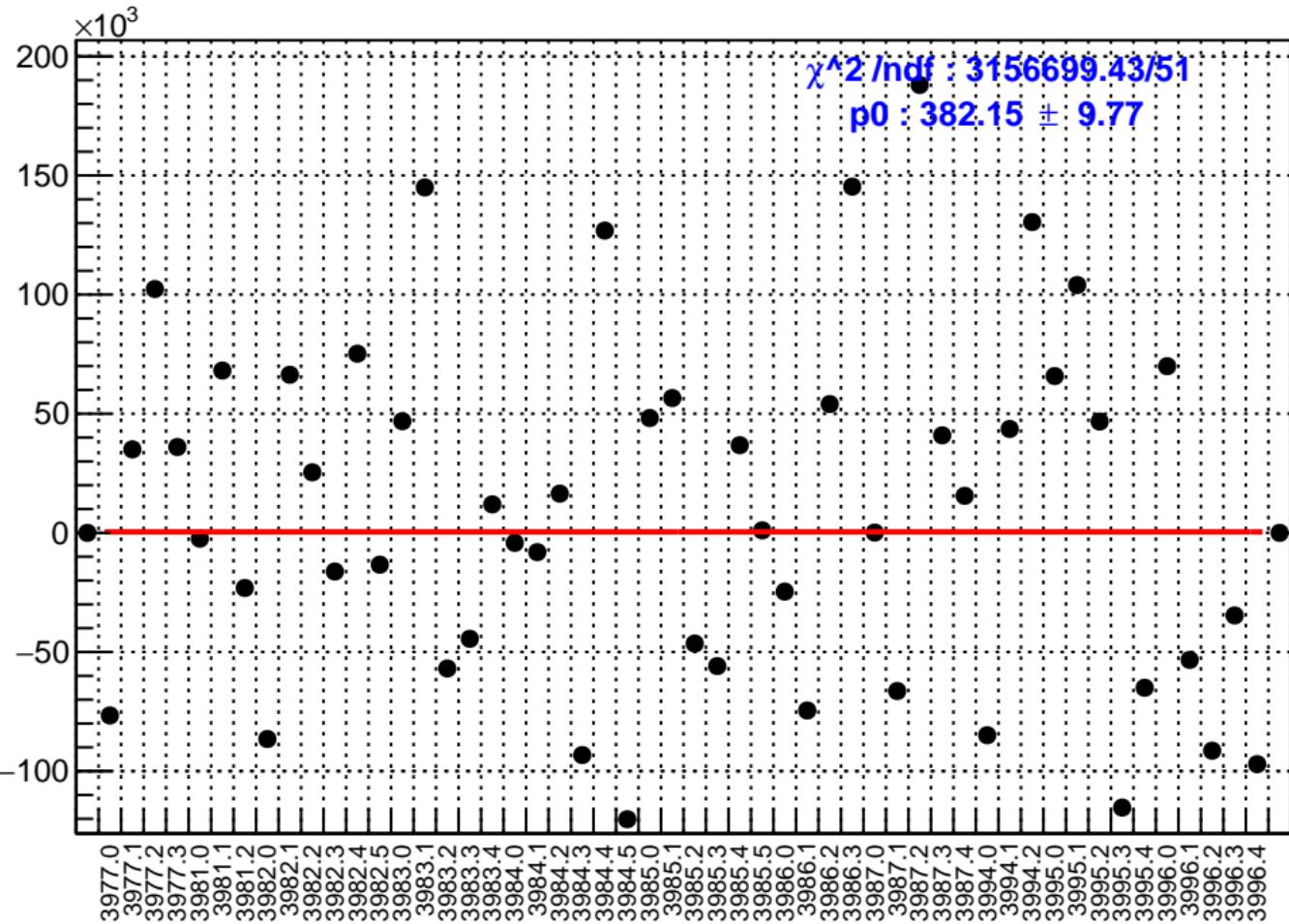


# 1D pull distribution

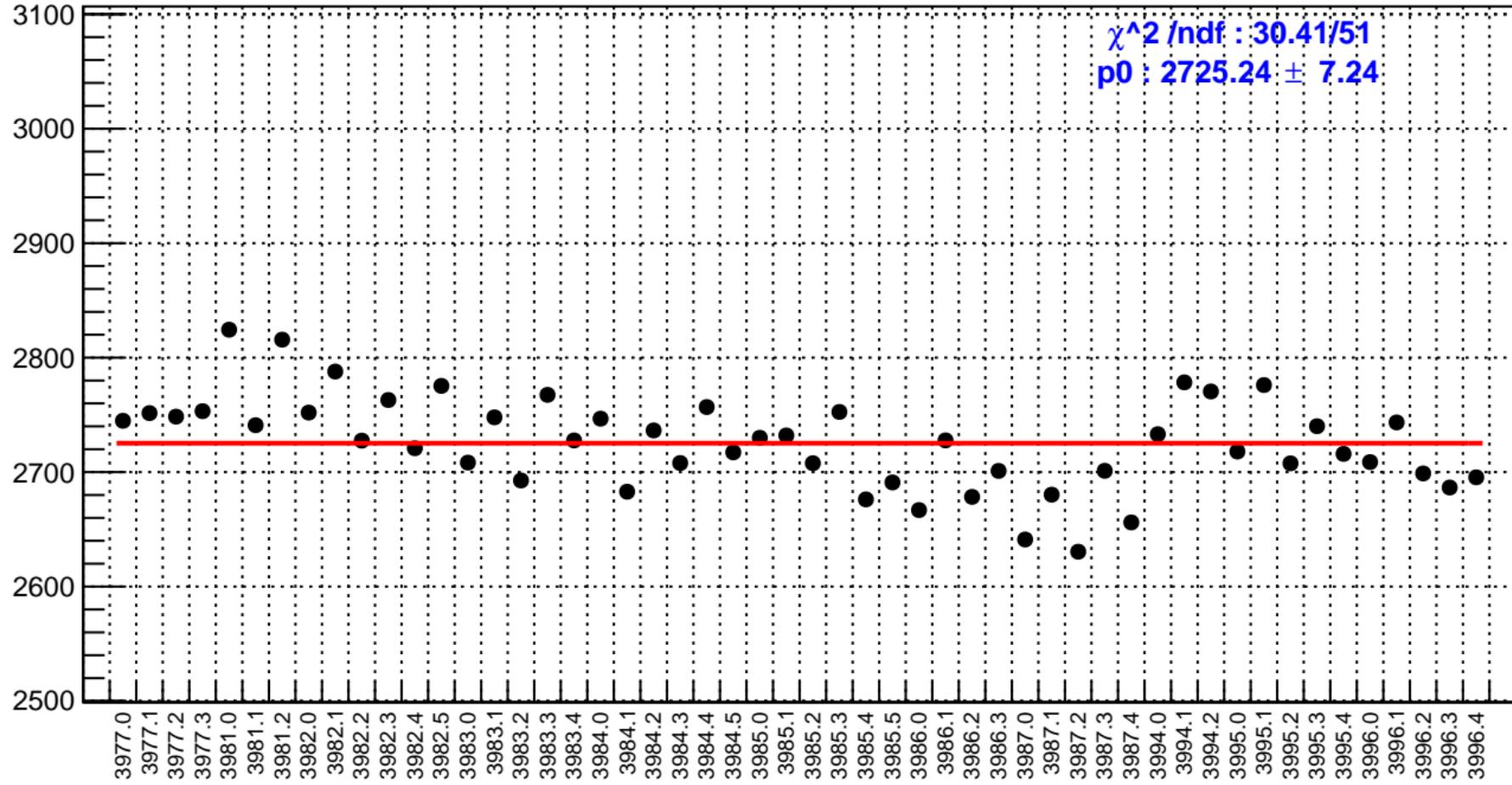


slug37: asym\_sam2.mean/ppb-reg\_asym\_sam2.mean/ppb

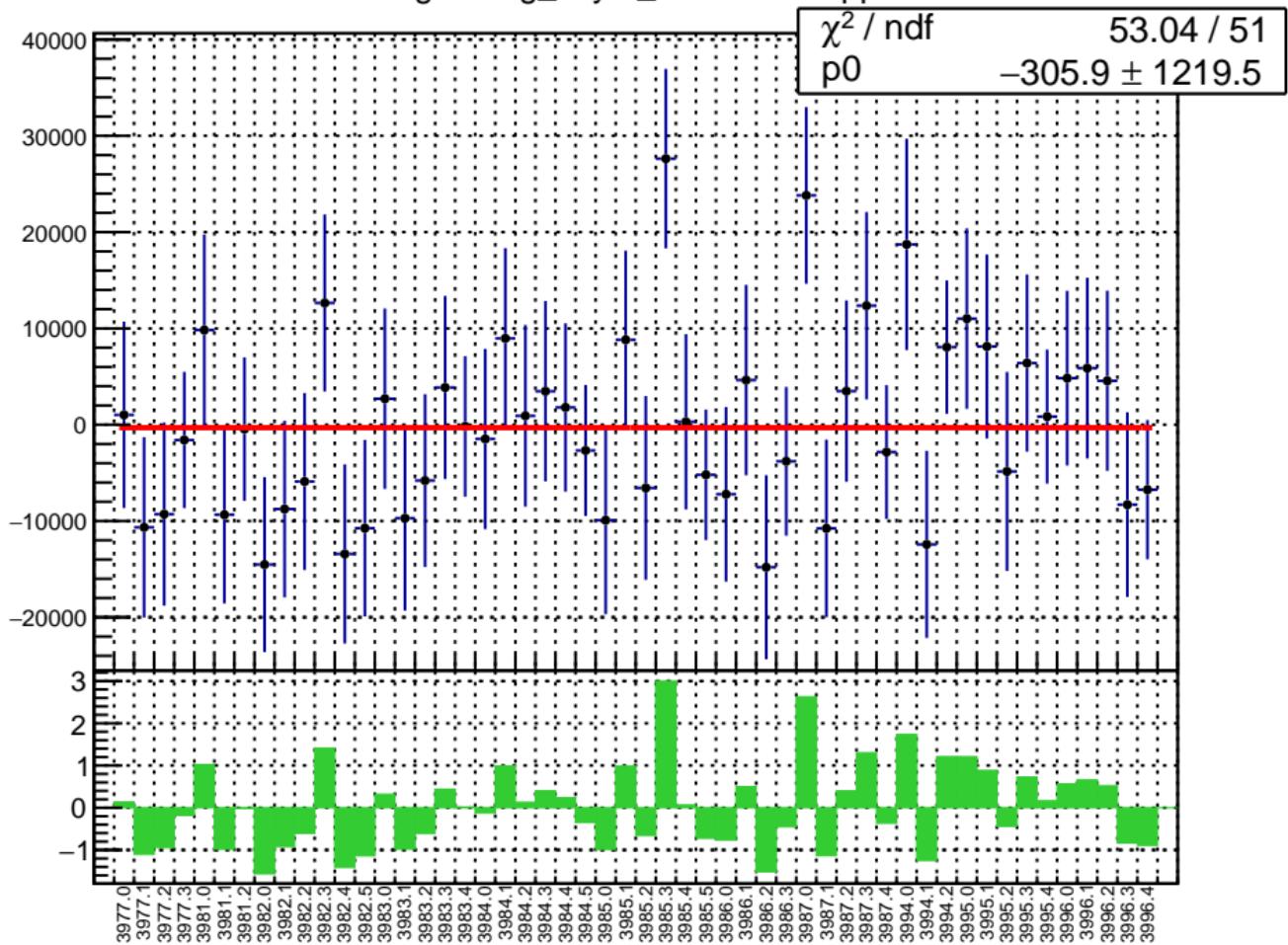
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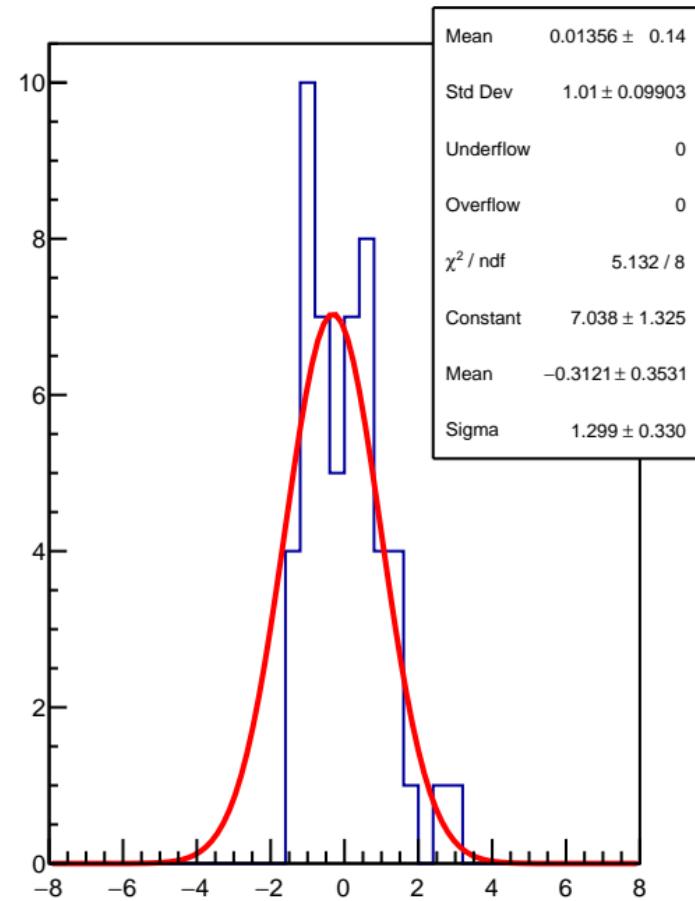
# slug37: reg\_asym\_sam2.rms/ppm



## slug37: reg\_asym\_sam3.mean/ppb

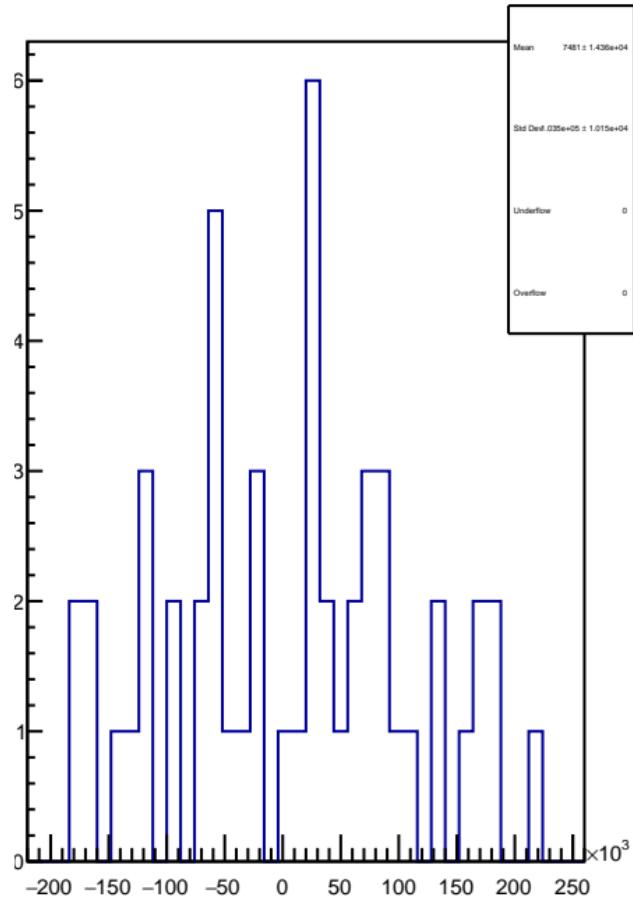
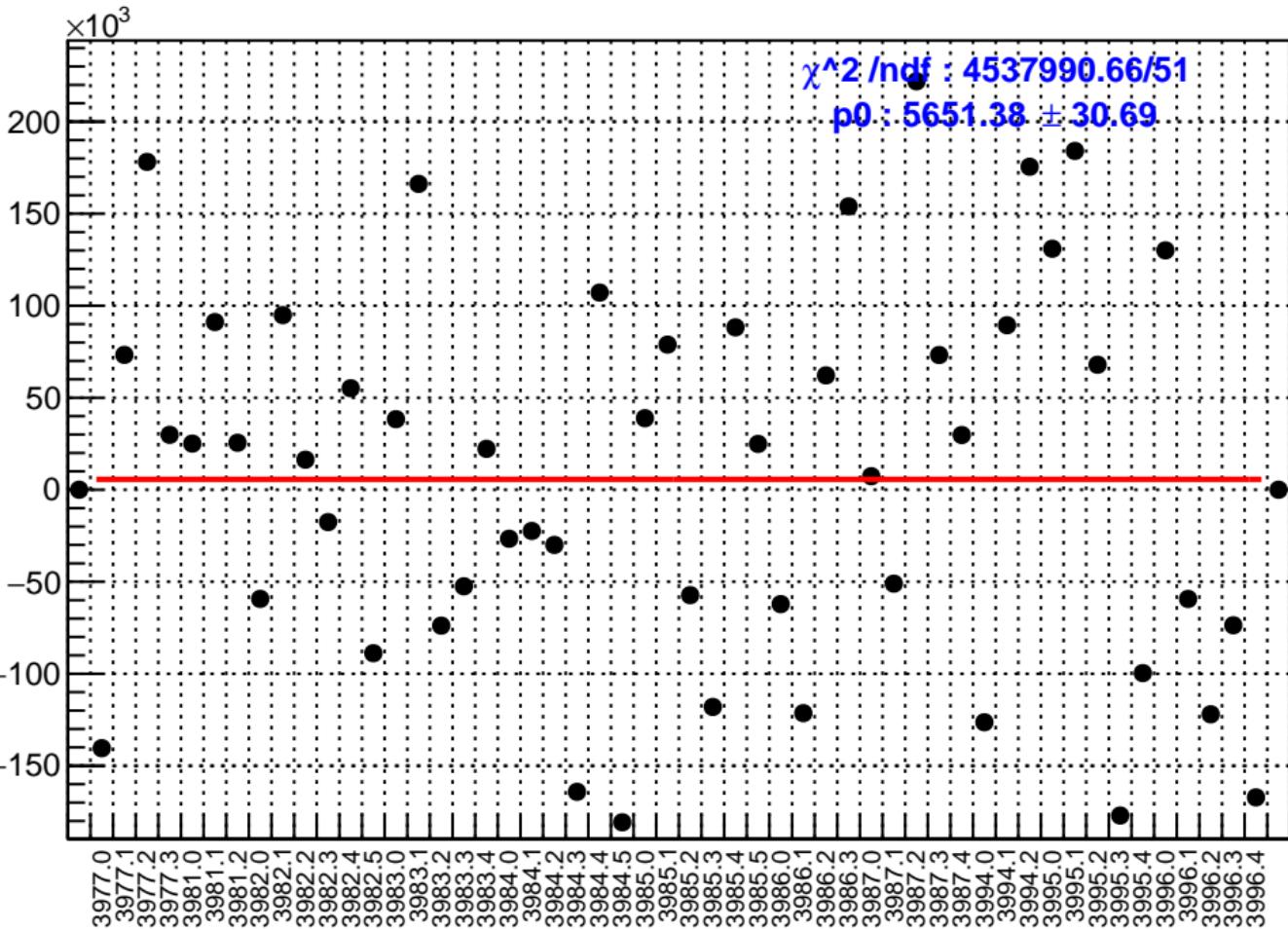


## 1D pull distribution

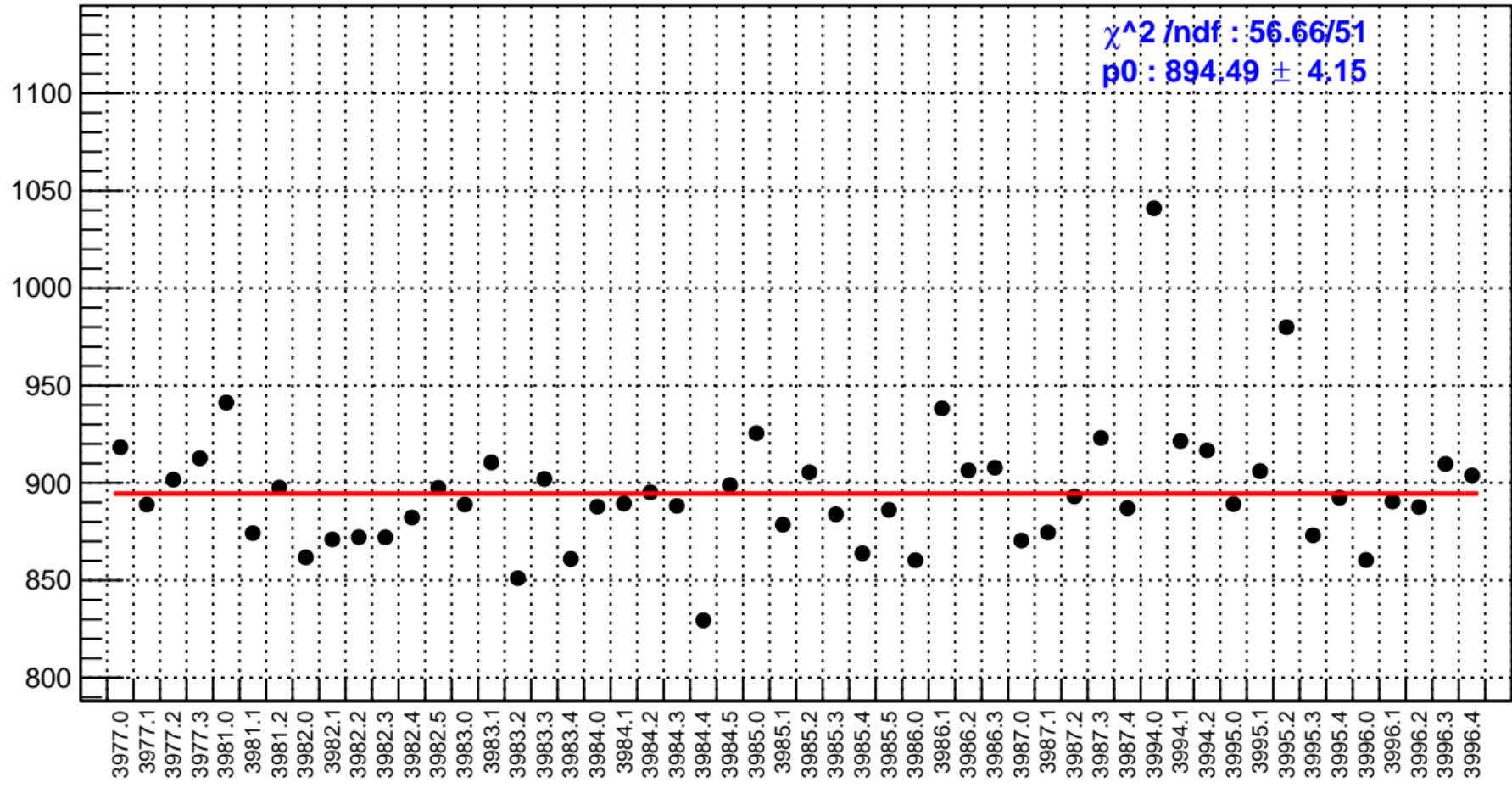


slug37: asym\_sam3.mean/ppb-reg\_asym\_sam3.mean/ppb

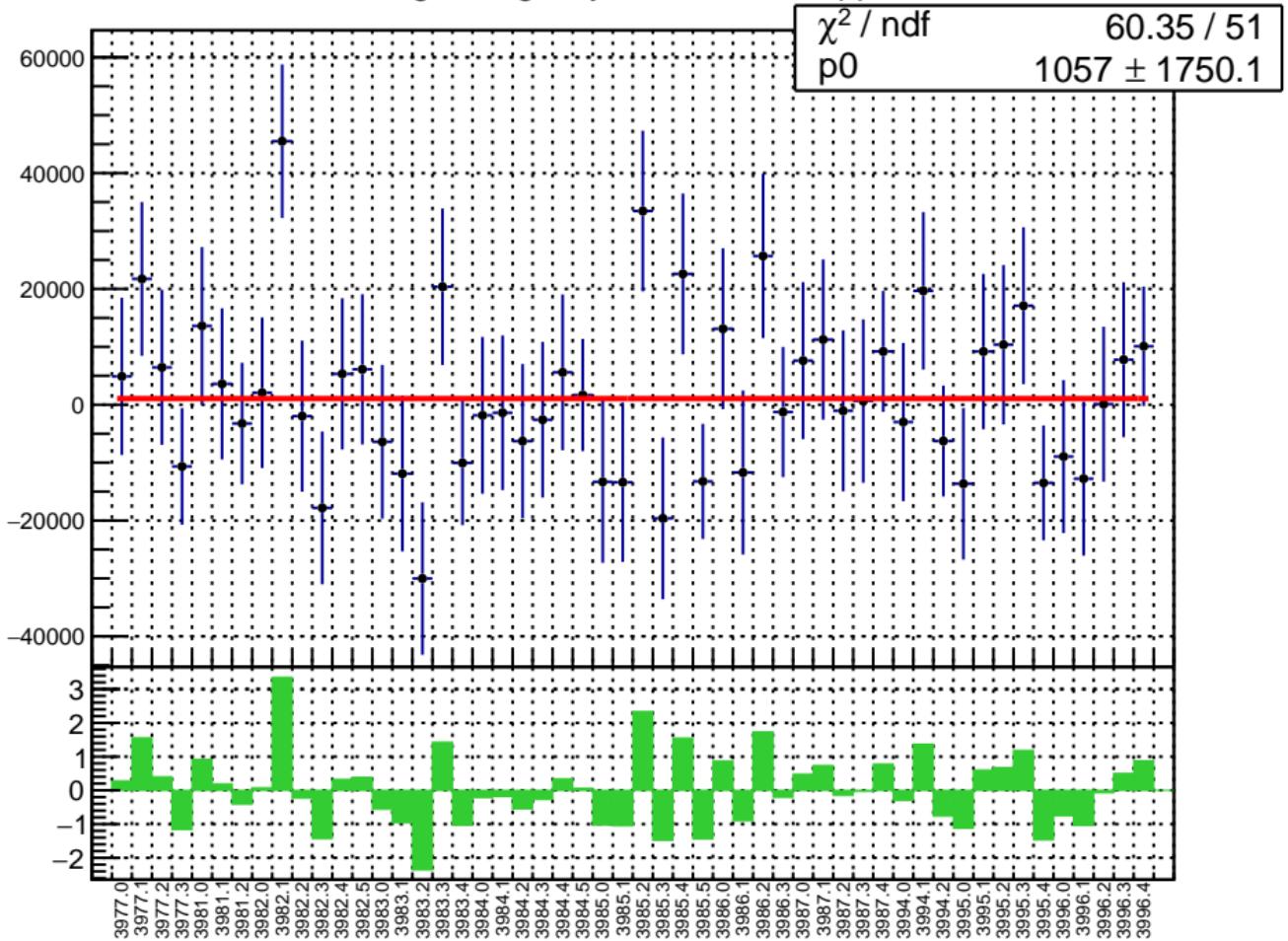
slug37: 1D Corr asym\_sam3.mean/ppb-reg\_asym\_sam3.mean/ppb



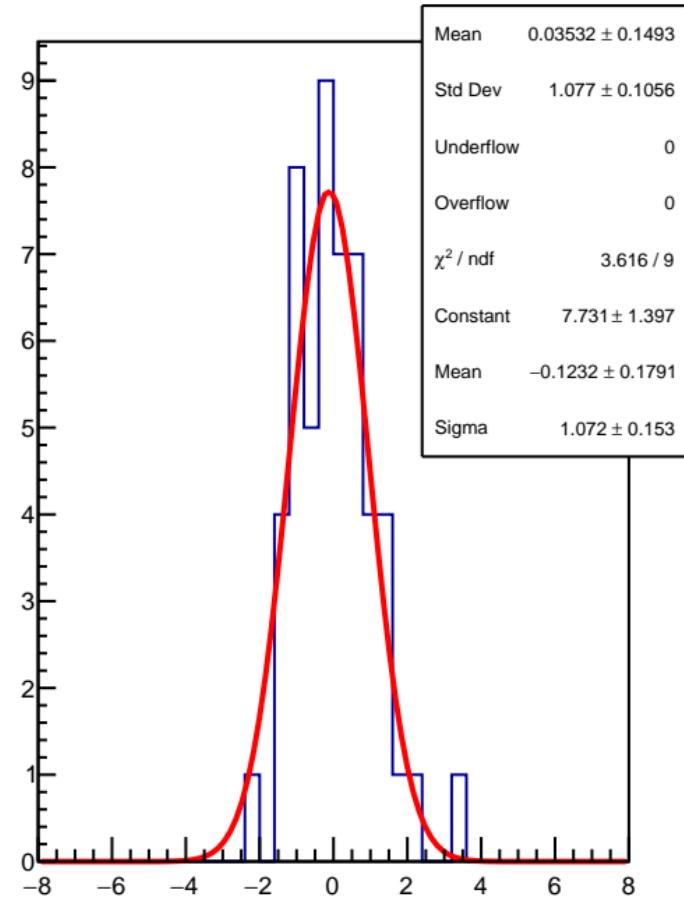
# slug37: reg\_asym\_sam3.rms/ppm



# slug37: reg\_asym\_sam4.mean/ppb

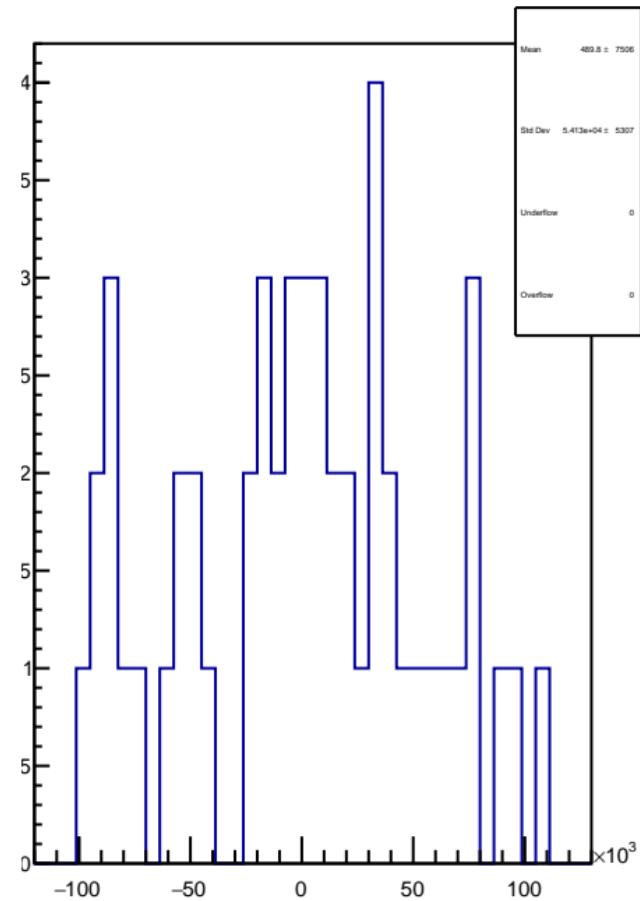
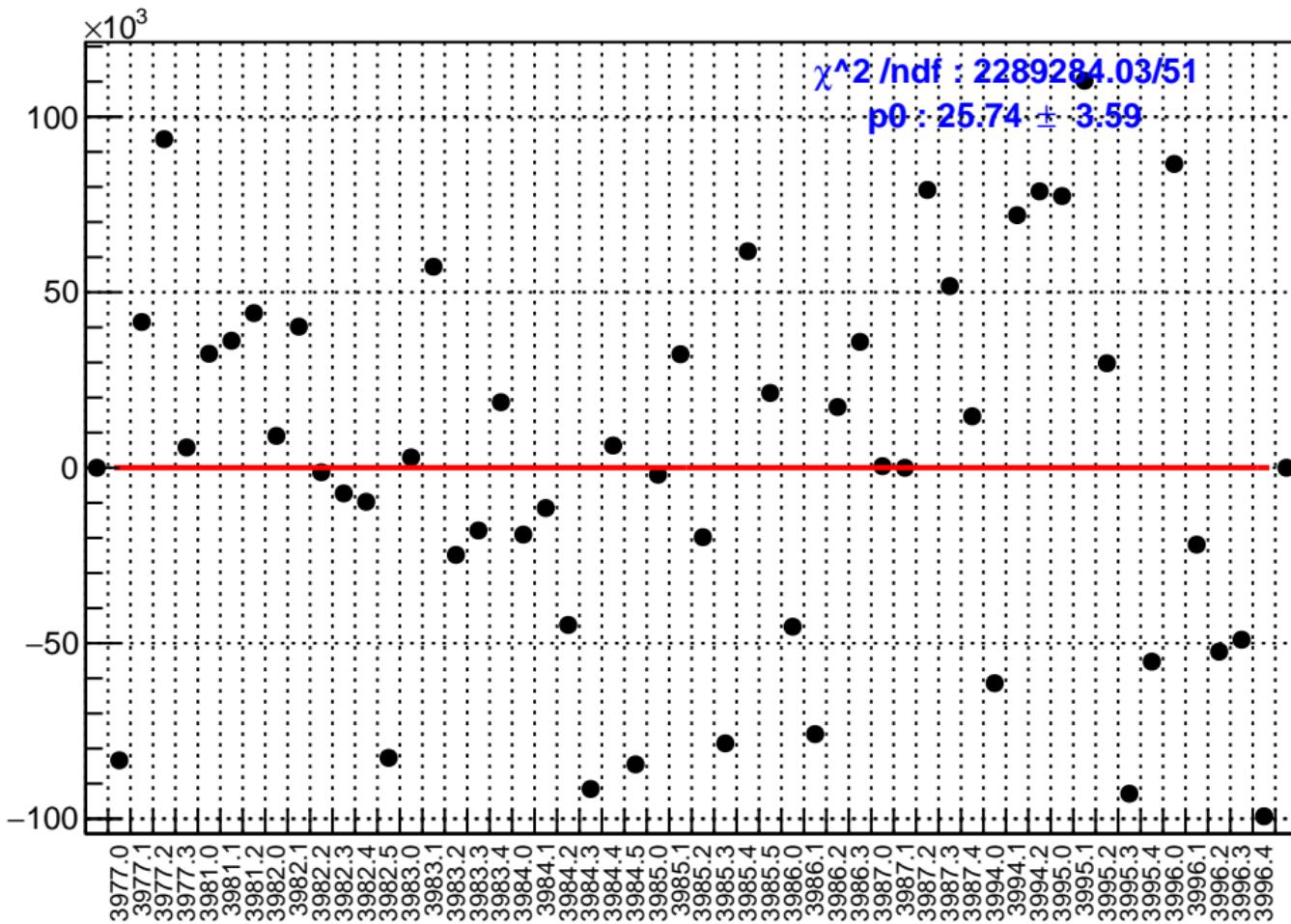


# 1D pull distribution

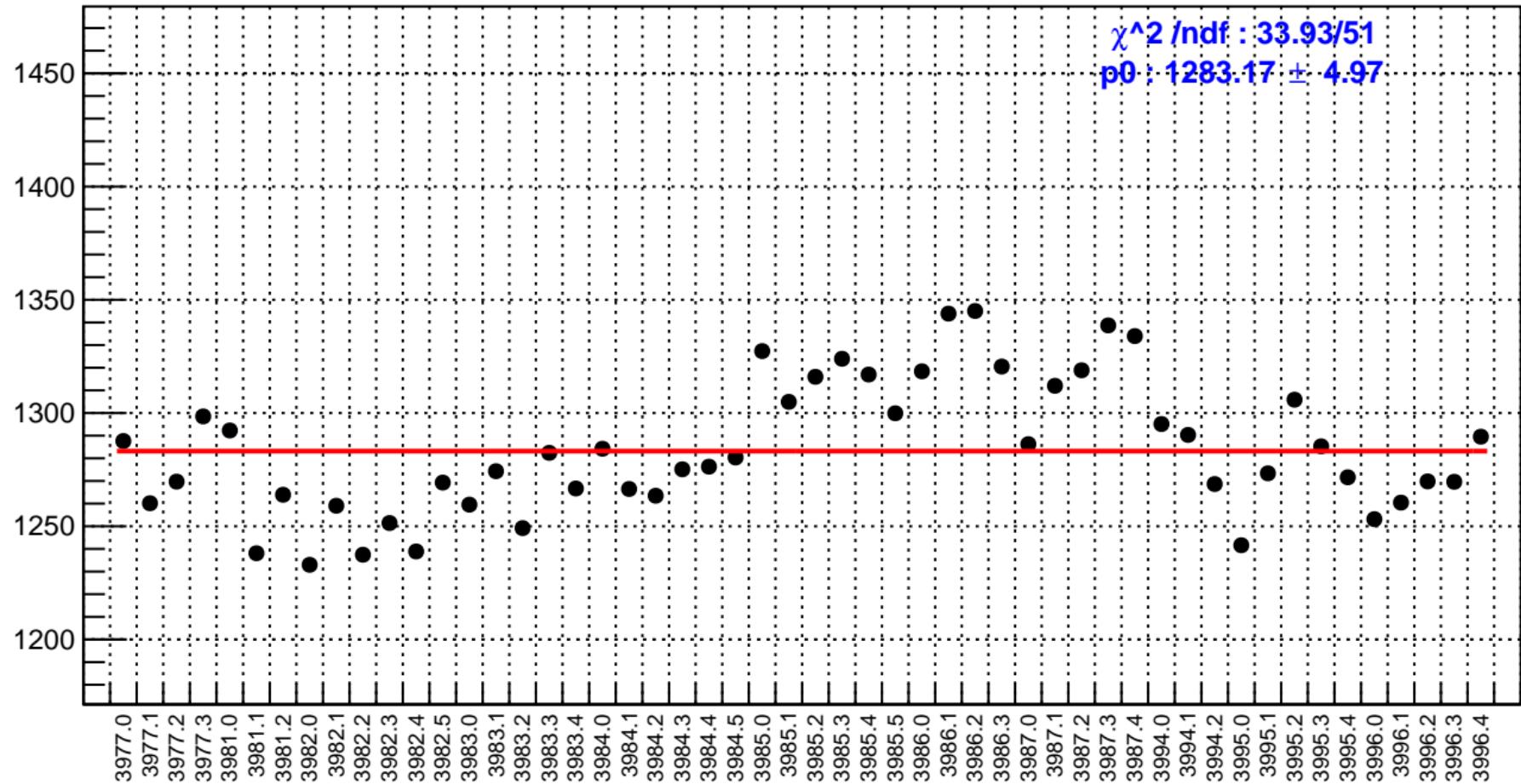


slug37: asym\_sam4.mean/ppb-reg\_asym\_sam4.mean/ppb

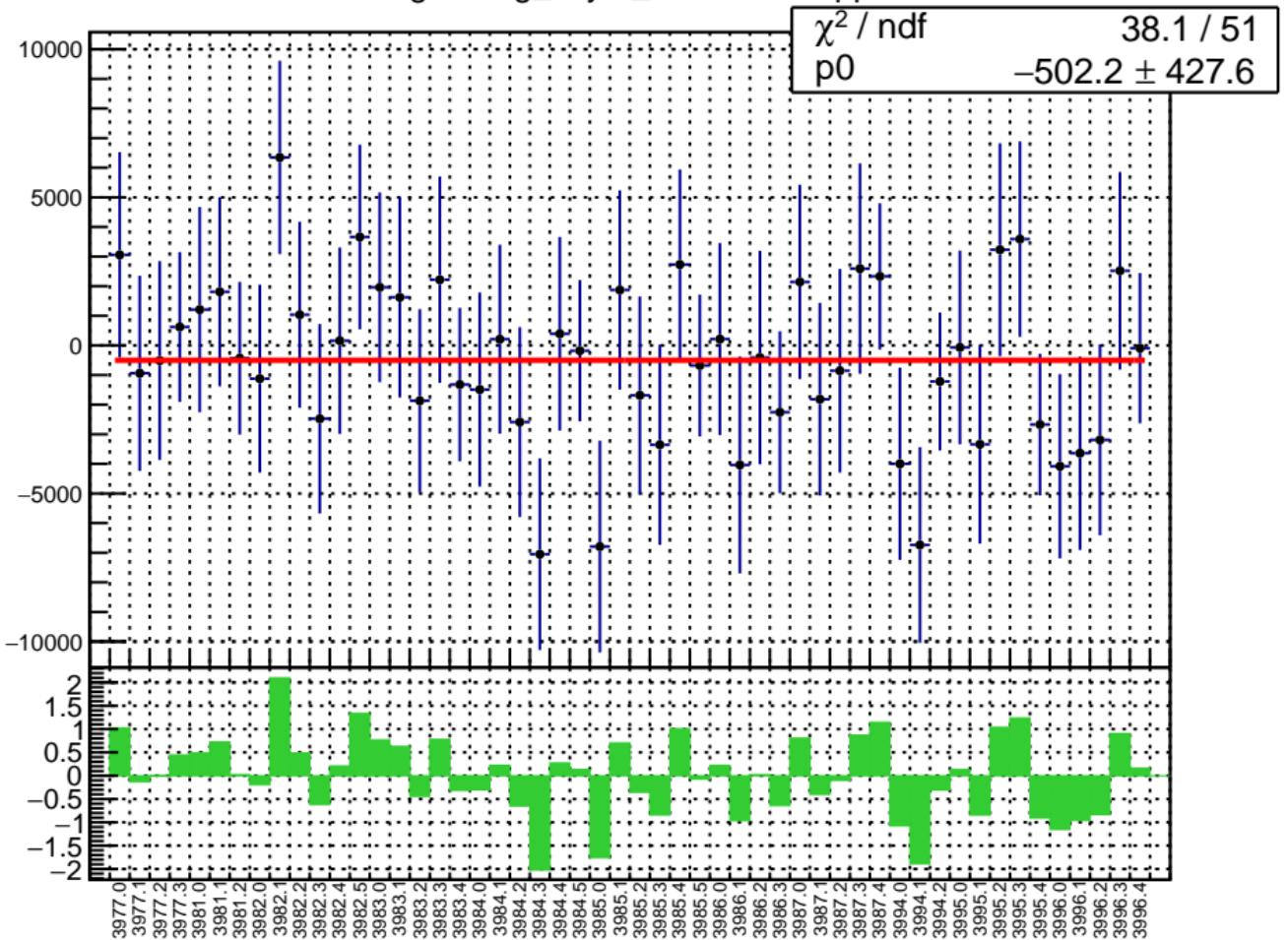
slug37: 1D Corr asym\_sam4.mean/ppb-reg\_asym\_sam4.mean/ppb



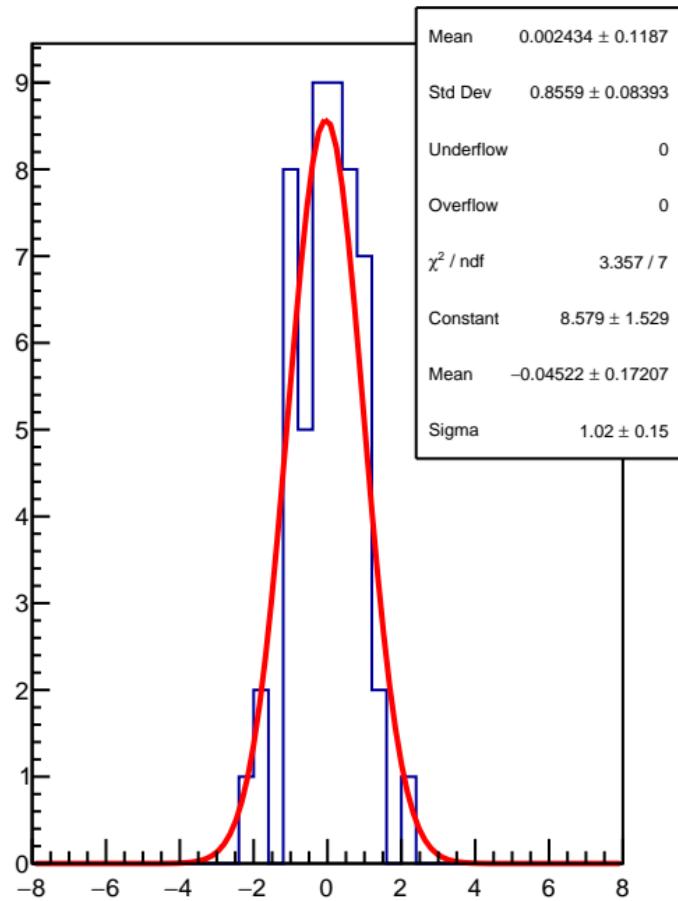
# slug37: reg\_asym\_sam4.rms/ppm



# slug37: reg\_asym\_sam5.mean/ppb

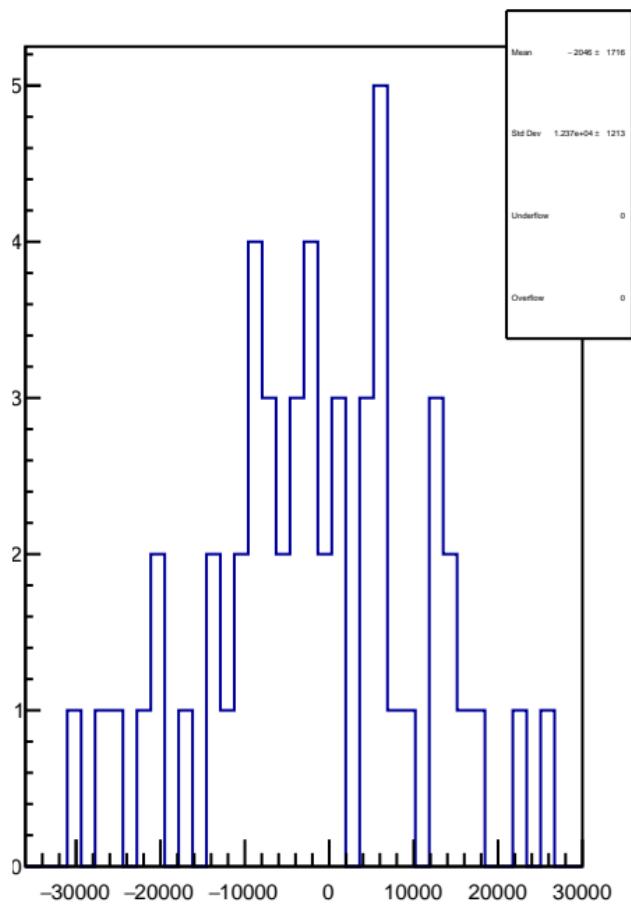
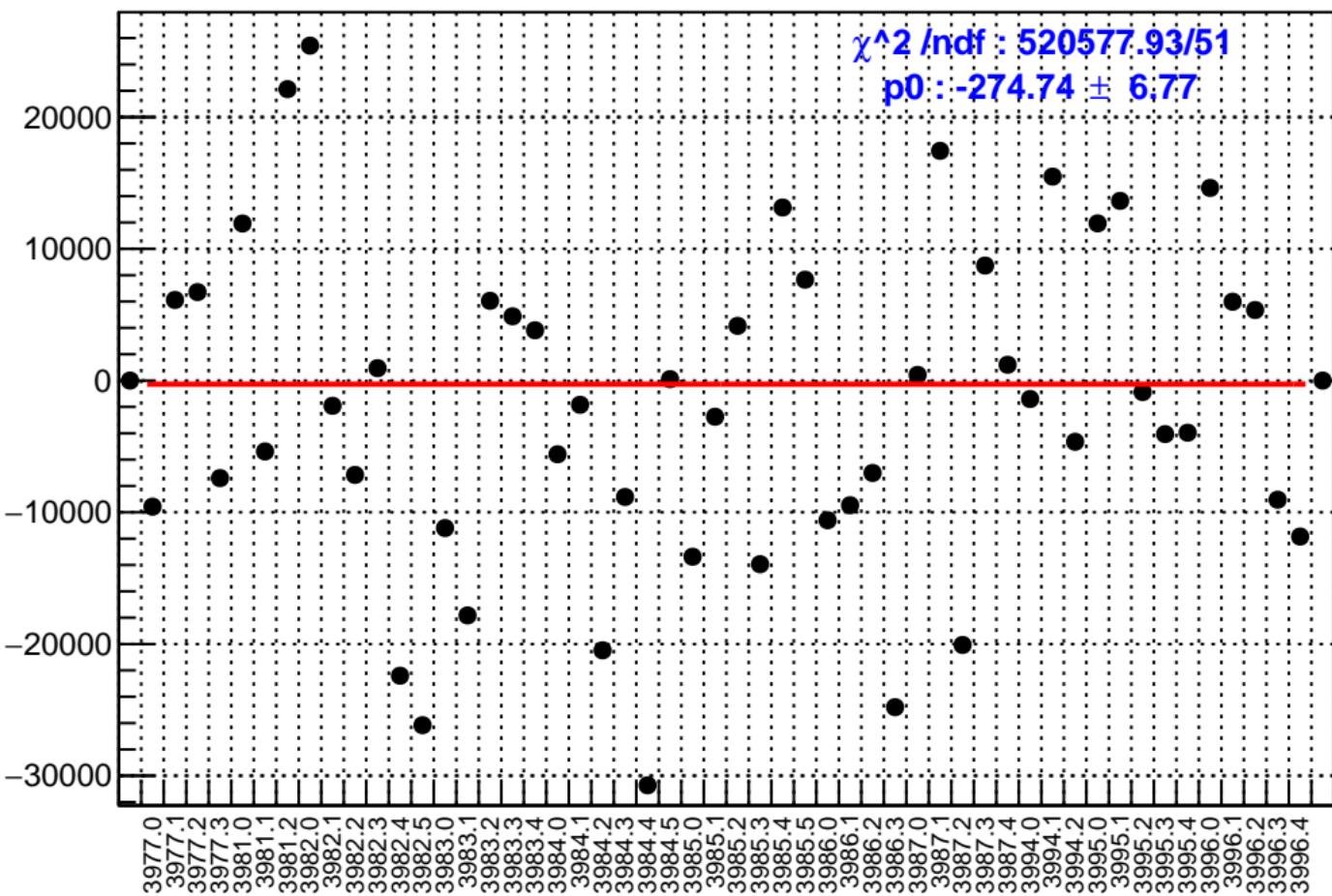


# 1D pull distribution

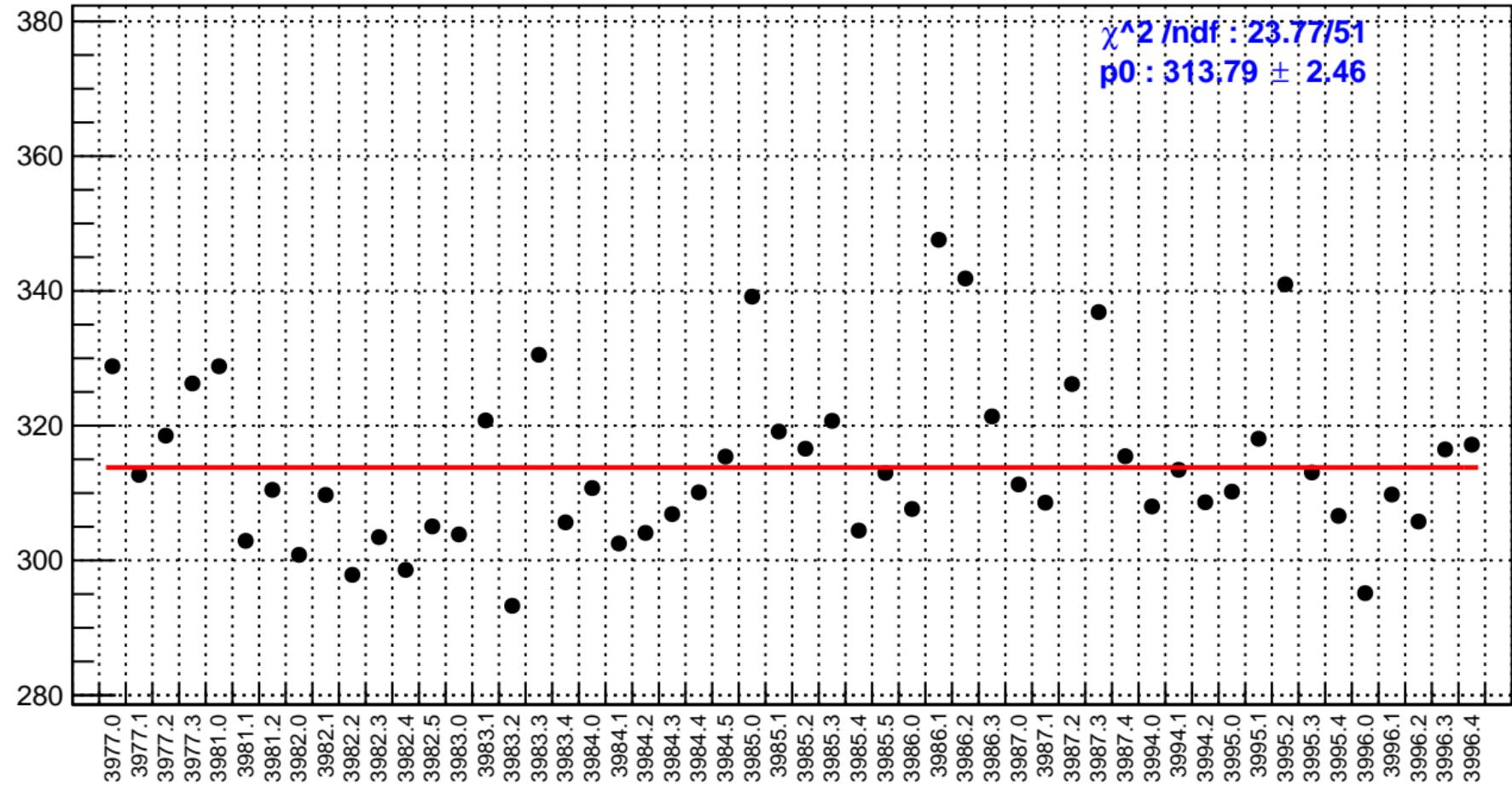


slug37: asym\_sam5.mean/ppb-reg\_asym\_sam5.mean/ppb

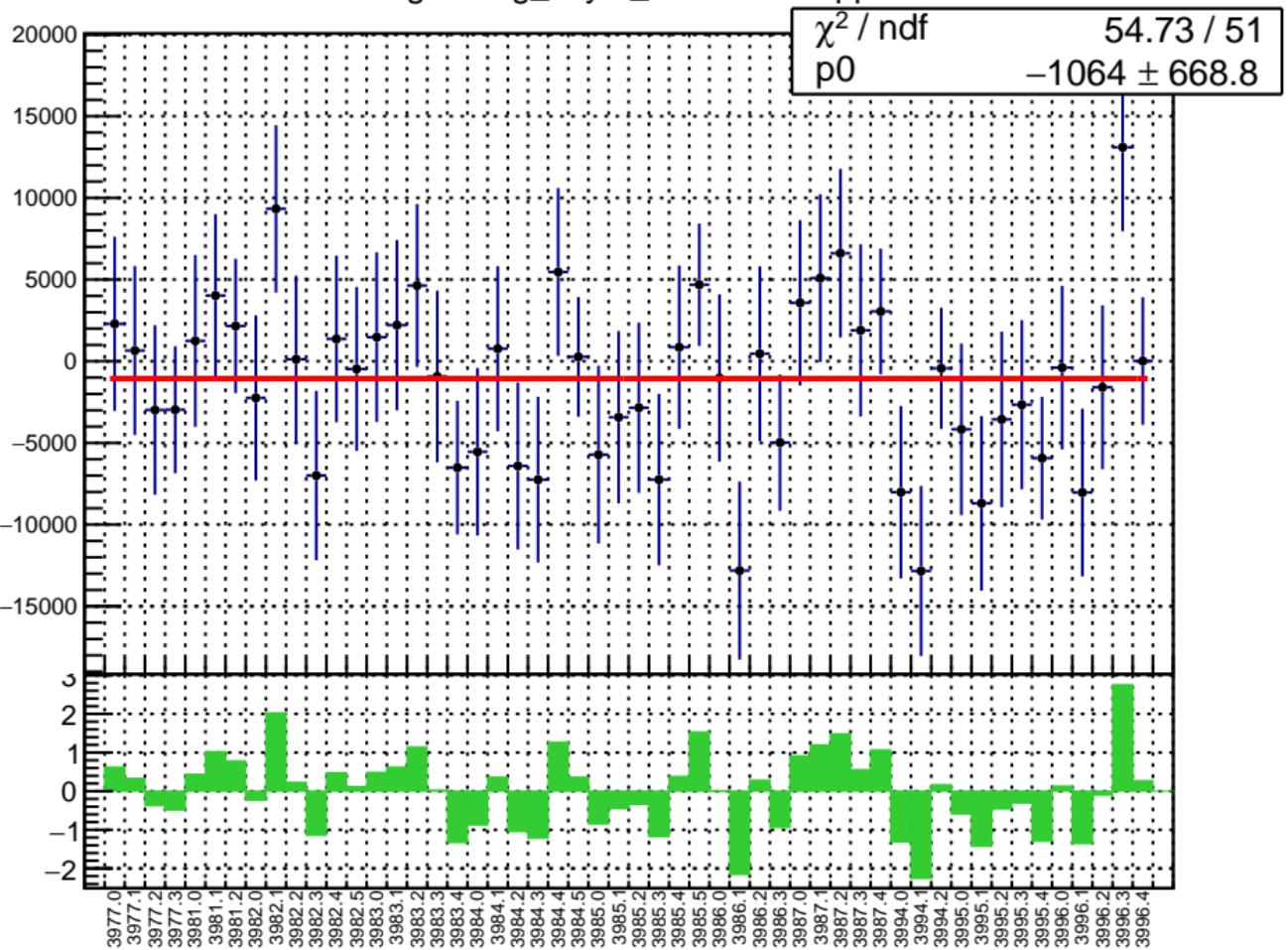
slug37: 1D Corr asym\_sam5.mean/ppb-reg\_asym\_sam5.mean/ppb



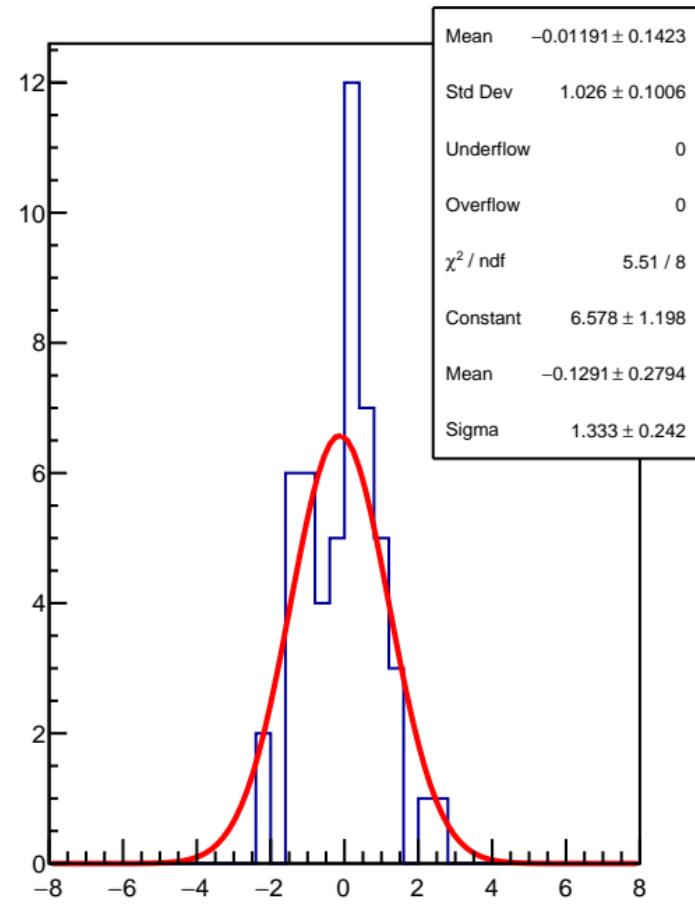
# slug37: reg\_asym\_sam5.rms/ppm



# slug37: reg\_asym\_sam6.mean/ppb

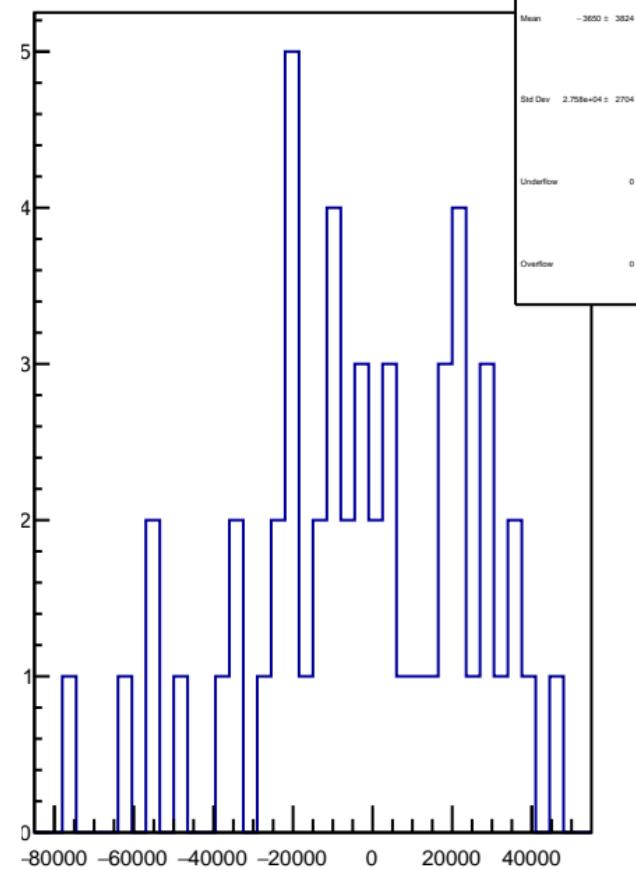
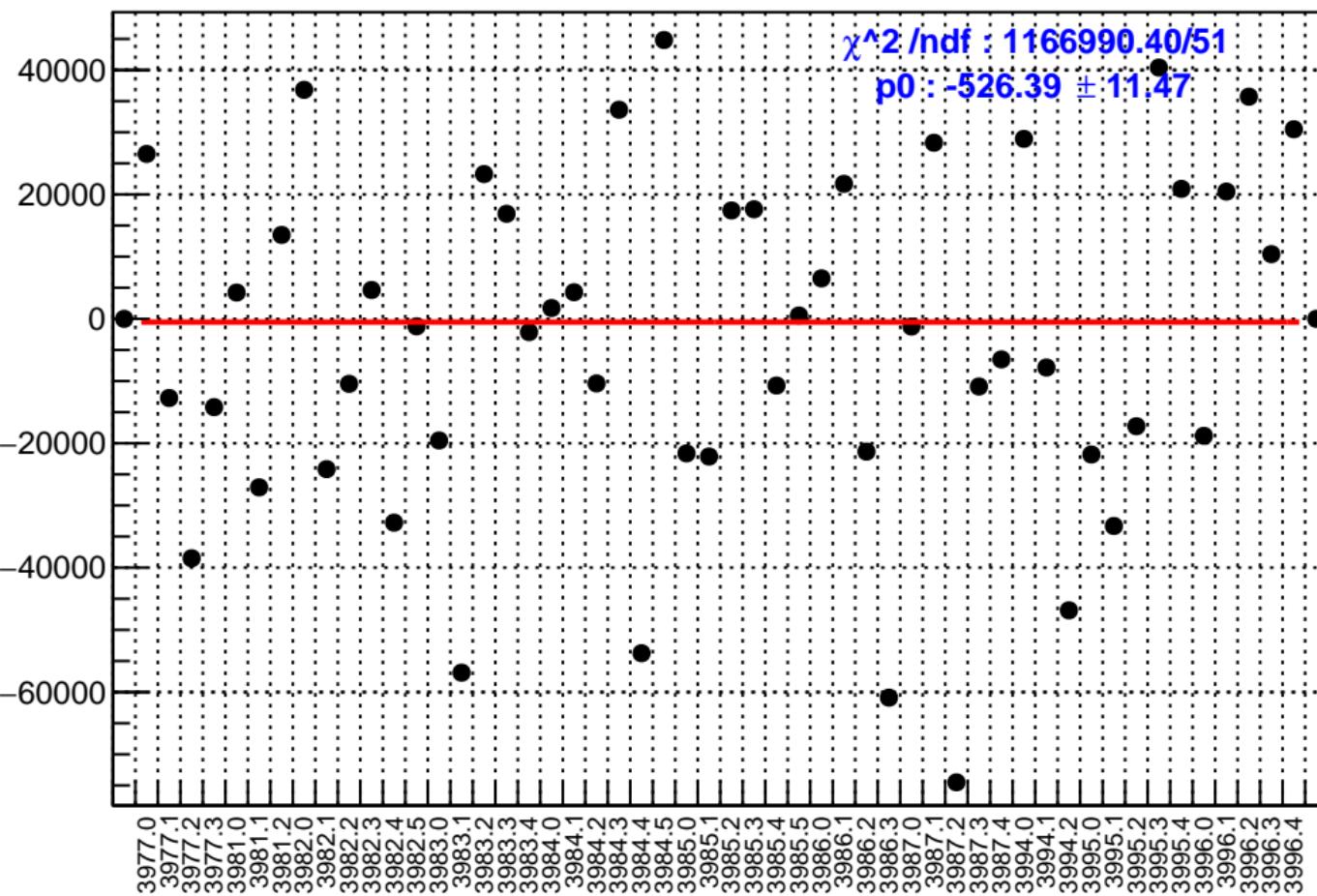


# 1D pull distribution

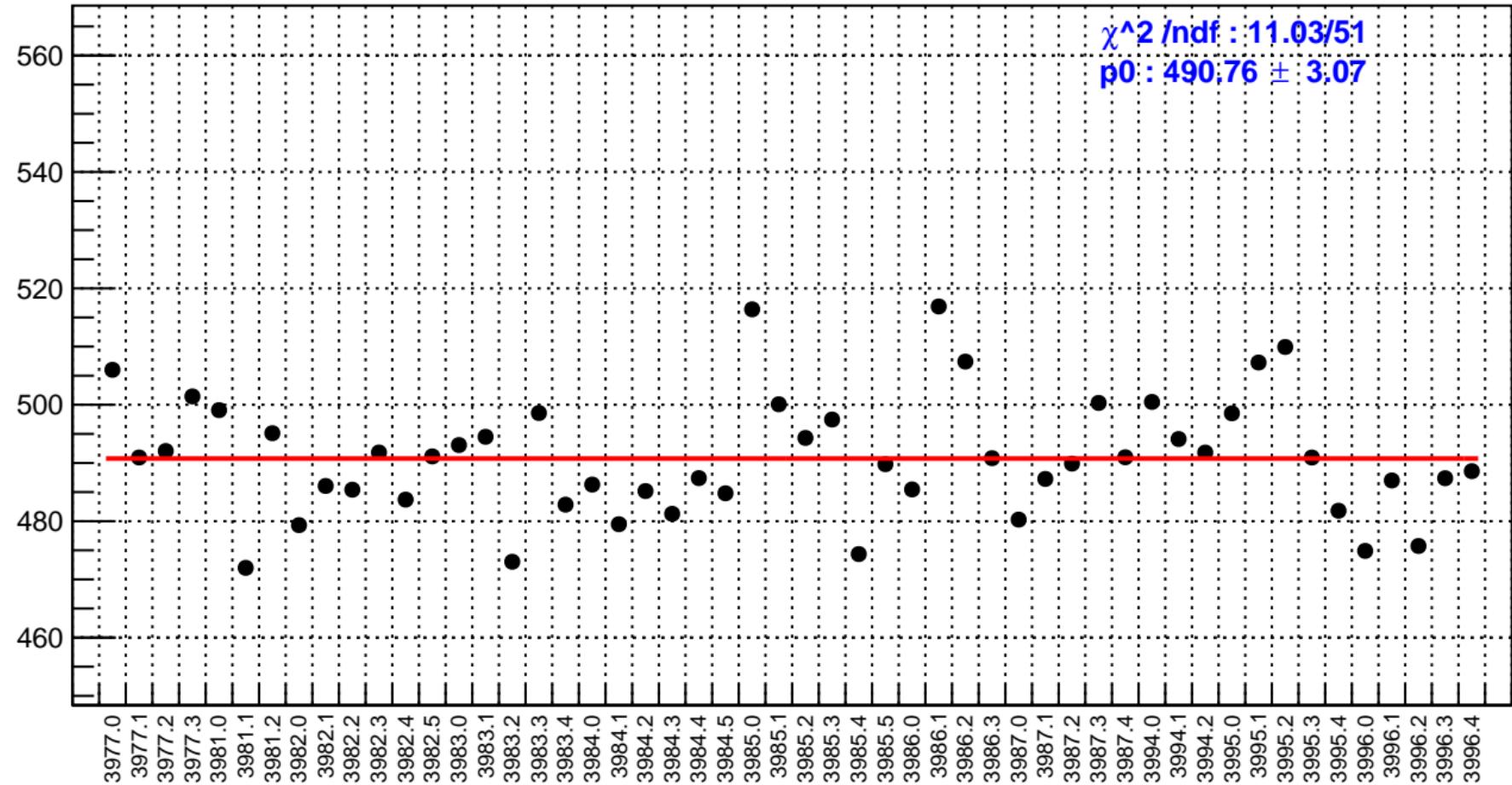


slug37: asym\_sam6.mean/ppb-reg\_asym\_sam6.mean/ppb

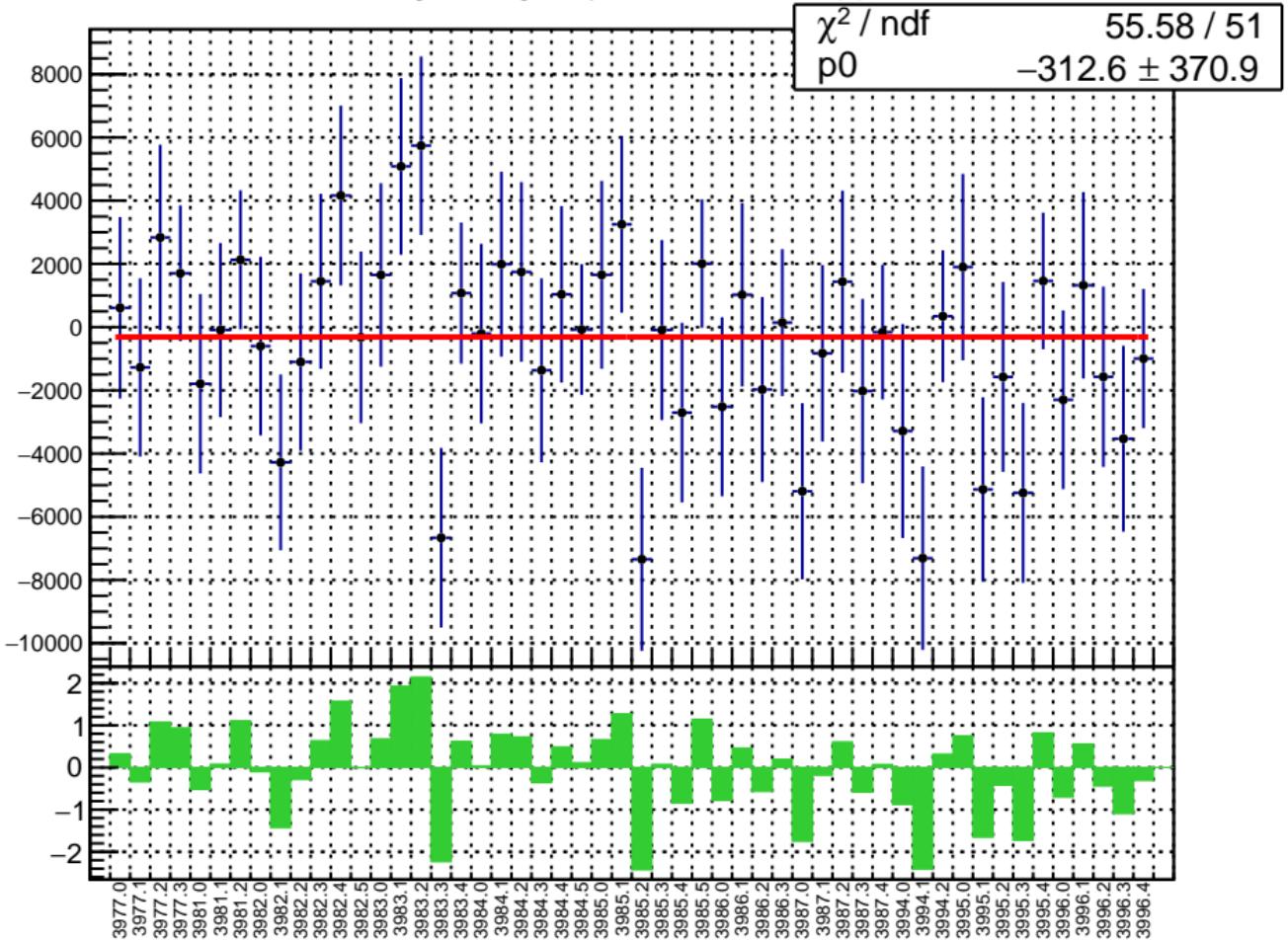
slug37: 1D Corr asym\_sam6.mean/ppb-reg\_asym\_sam6.mean/ppb



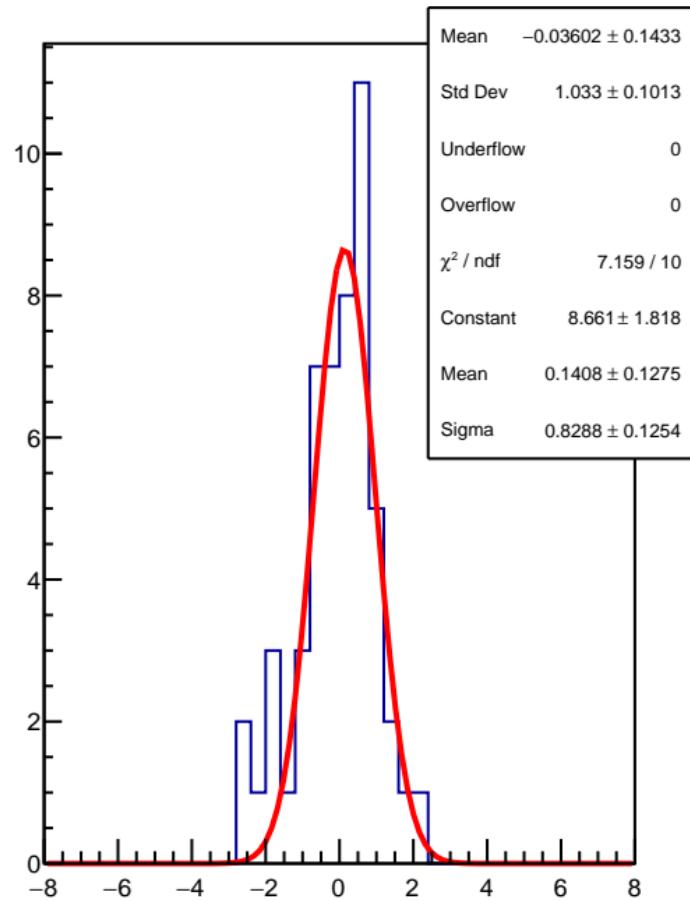
# slug37: reg\_asym\_sam6.rms/ppm



# slug37: reg\_asym\_sam7.mean/ppb

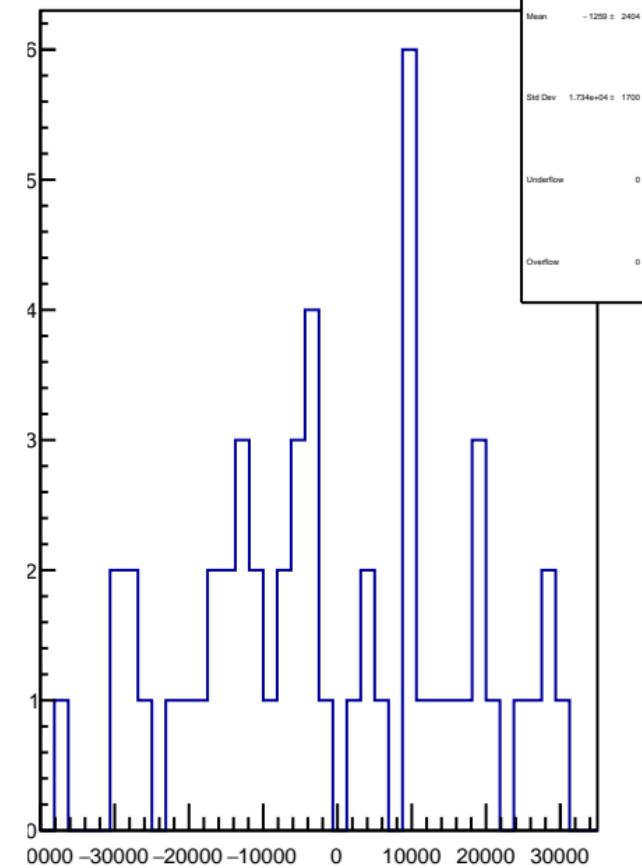
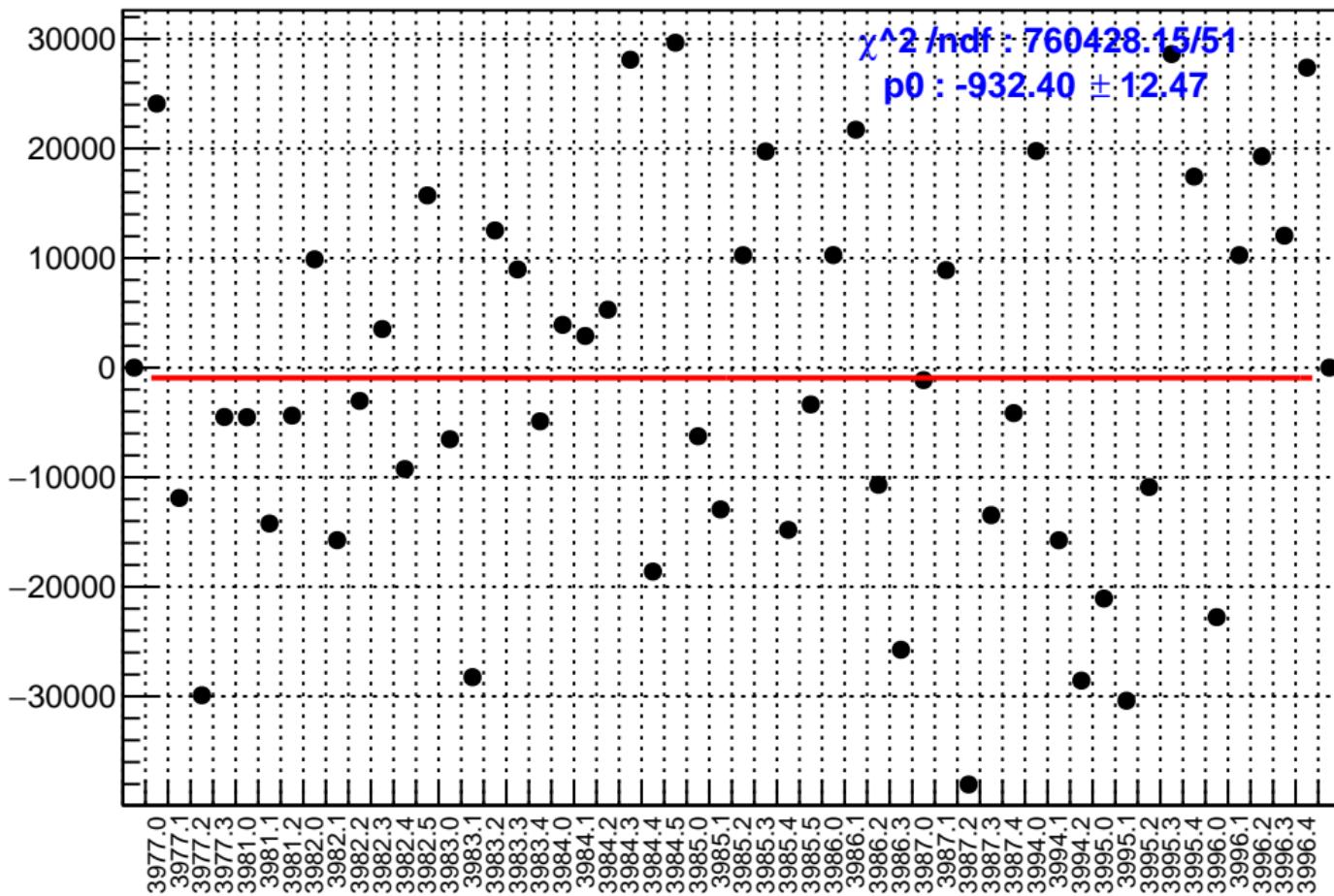


# 1D pull distribution

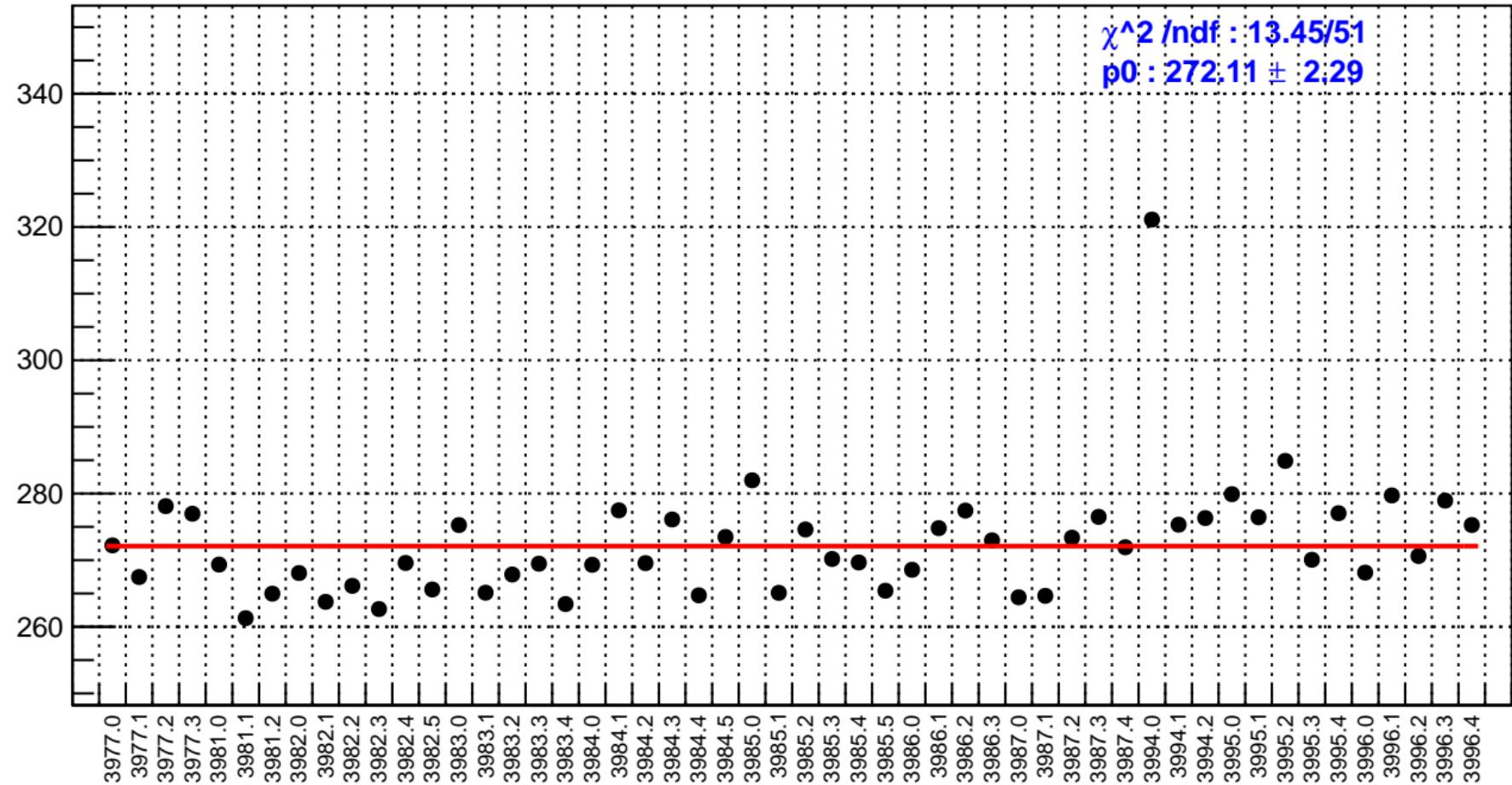


slug37: asym\_sam7.mean/ppb-reg\_asym\_sam7.mean/ppb

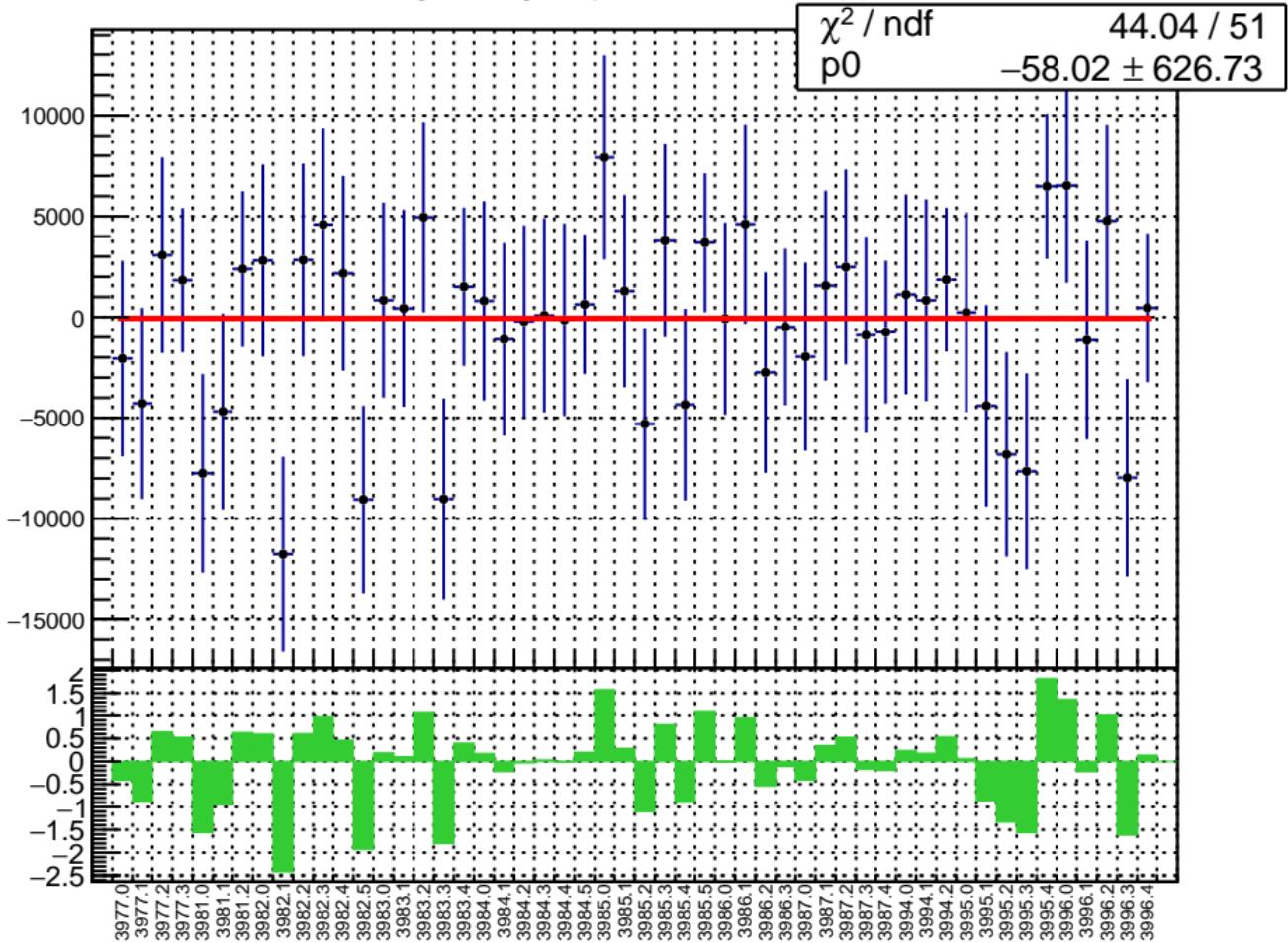
slug37: 1D Corr asym\_sam7.mean/ppb-reg\_asym\_sam7.mean/ppb



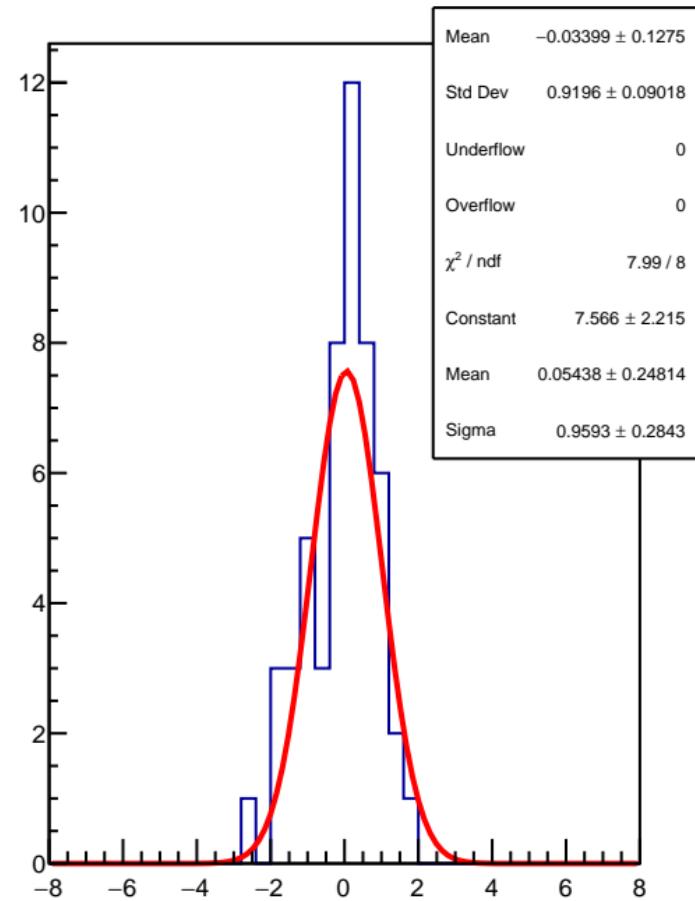
# slug37: reg\_asym\_sam7.rms/ppm



slug37: reg\_asym\_sam8.mean/ppb

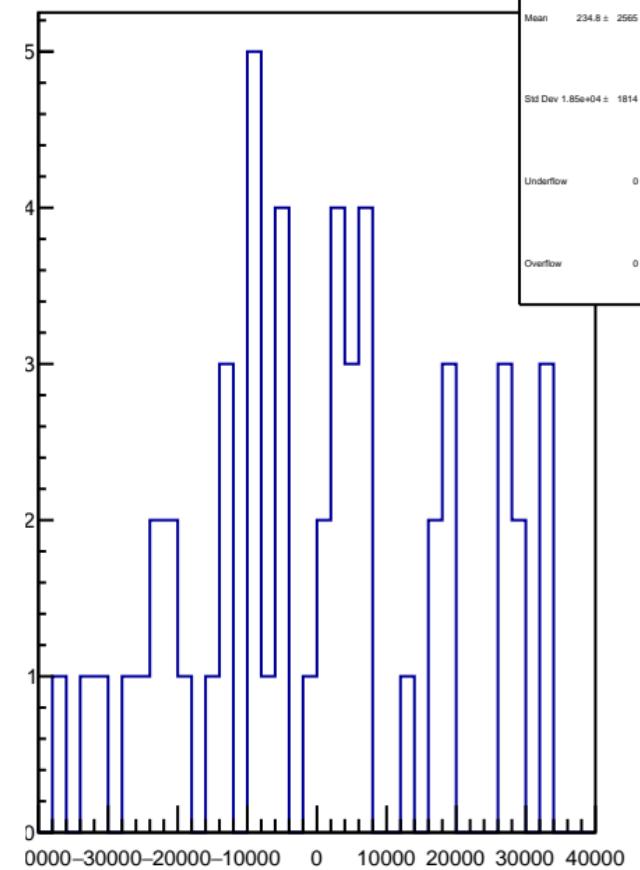
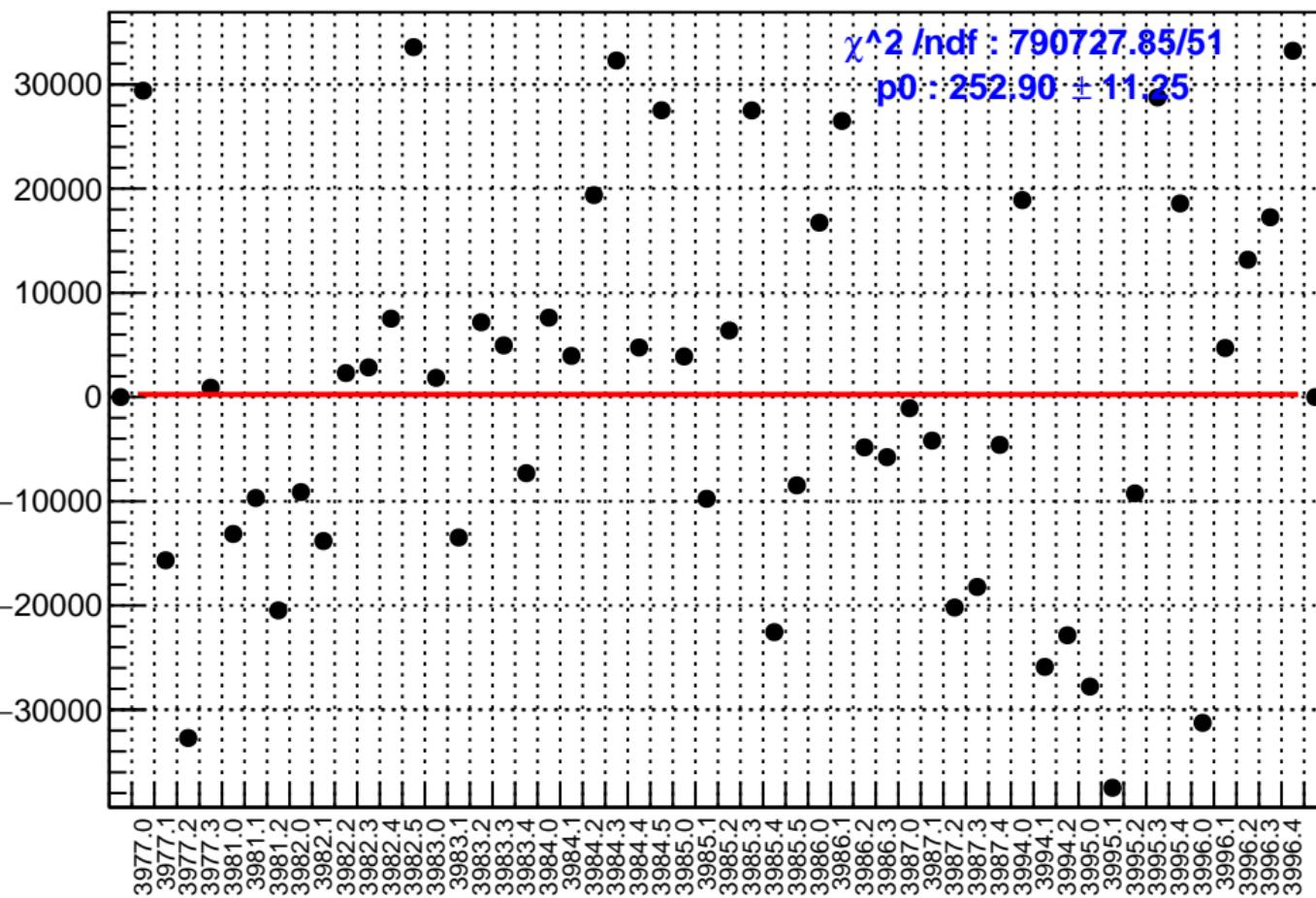


1D pull distribution



slug37: asym\_sam8.mean/ppb-reg\_asym\_sam8.mean/ppb

slug37: 1D Corr asym\_sam8.mean/ppb-reg\_asym\_sam8.mean/ppb



# slug37: reg\_asym\_sam8.rms/ppm

