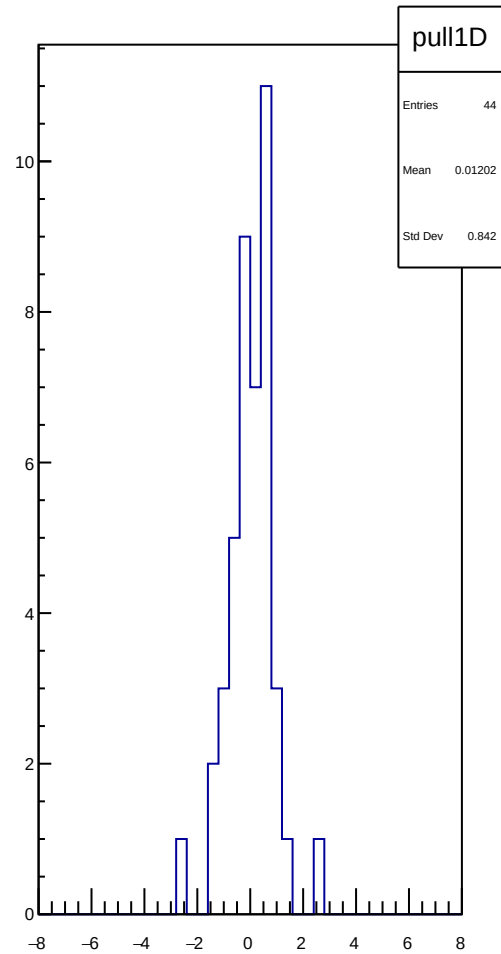
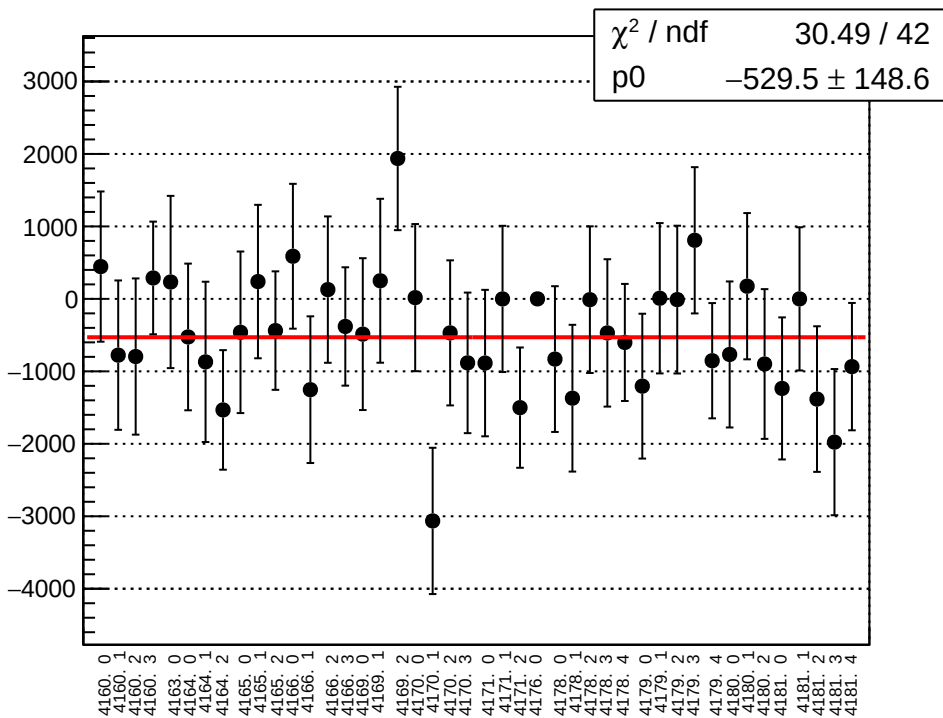
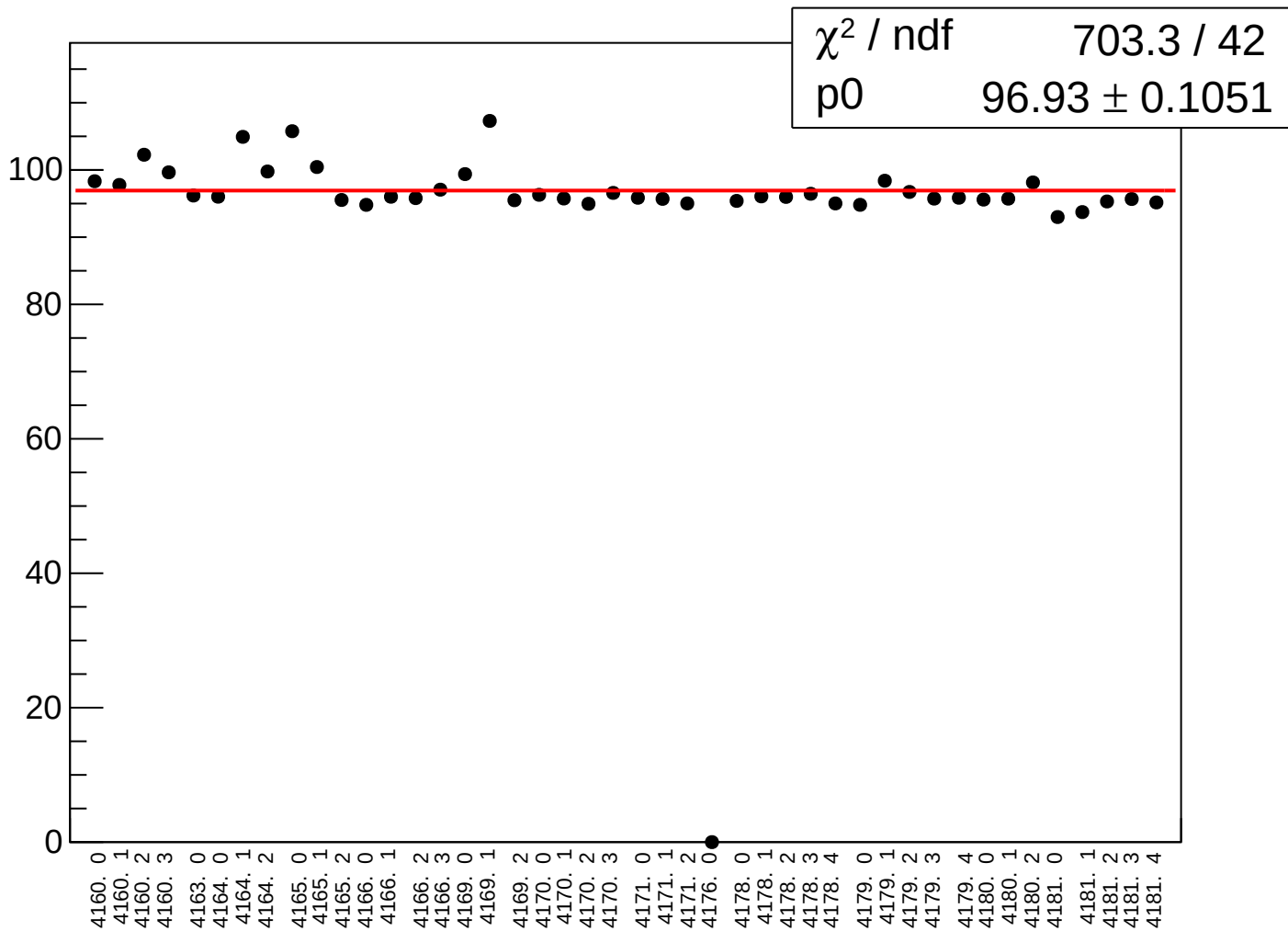


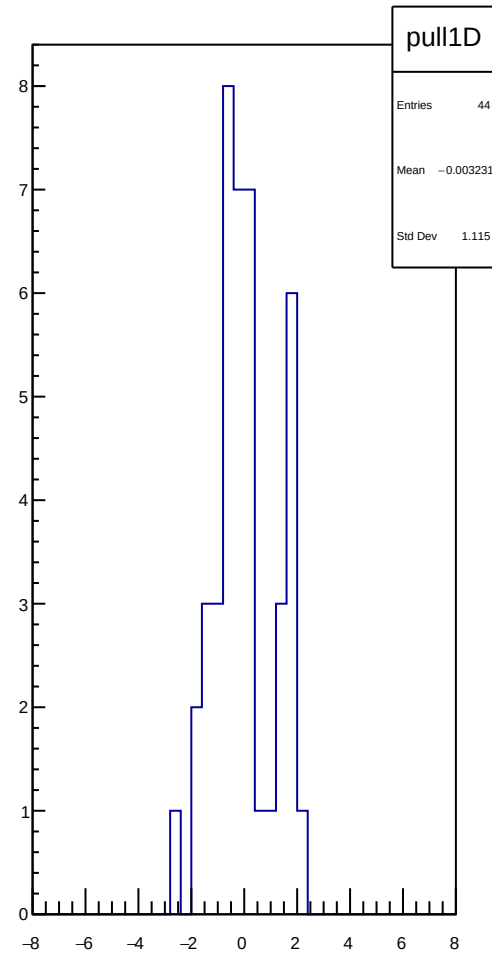
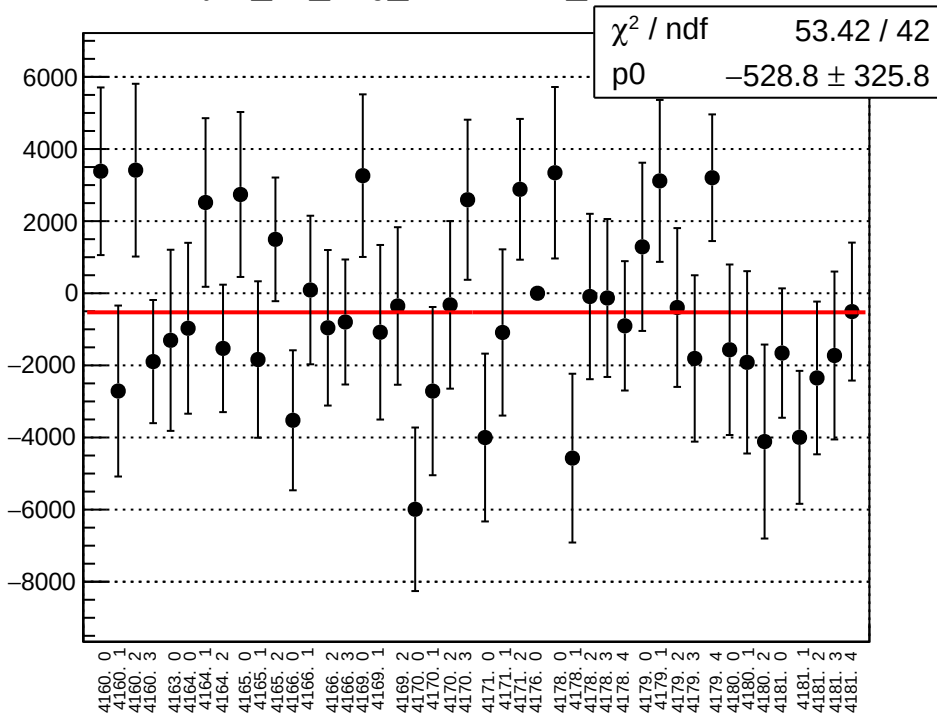
reg\_asym\_us\_avg\_mean vs run



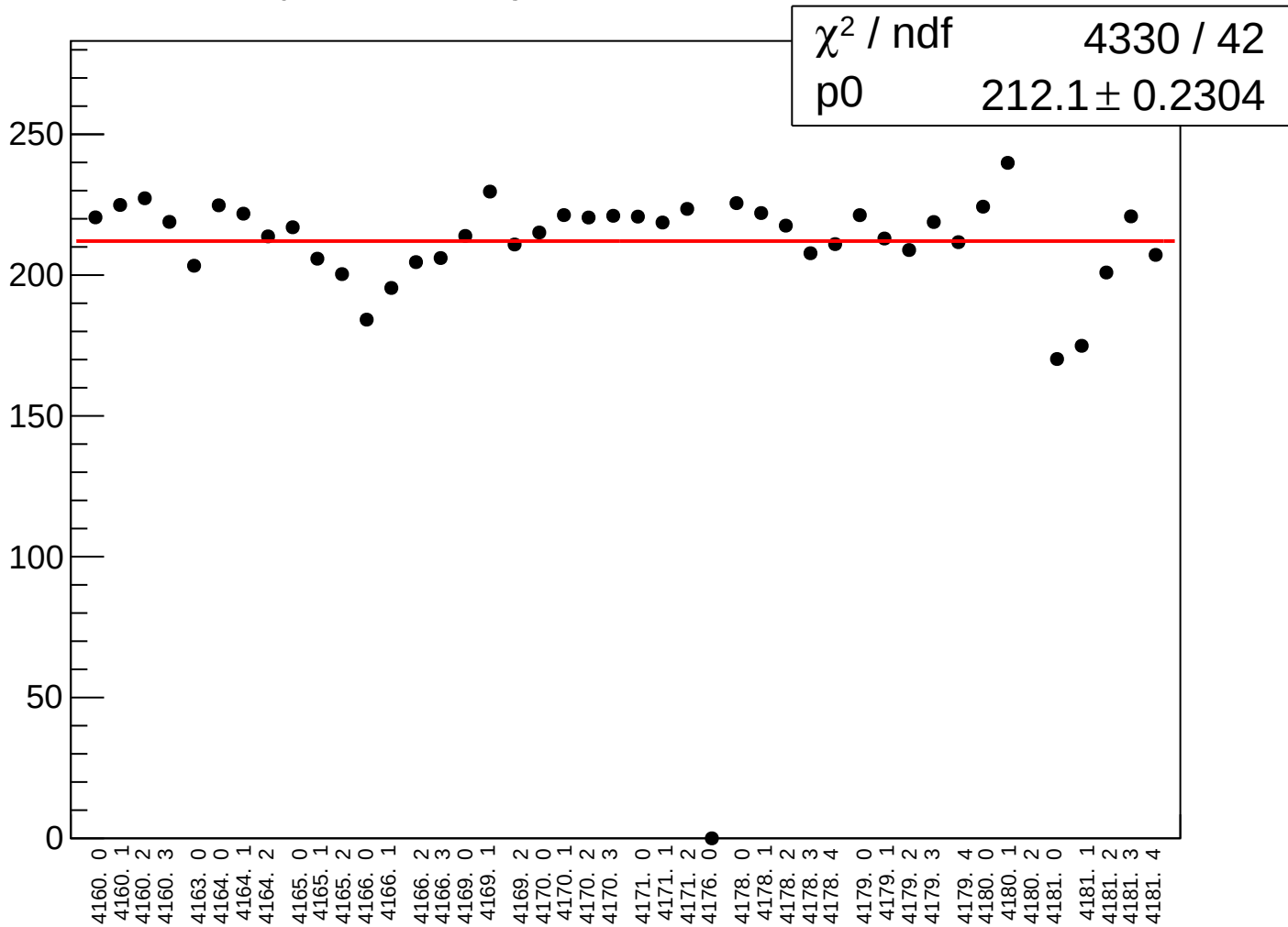
reg\_asym\_us\_avg\_rms vs run



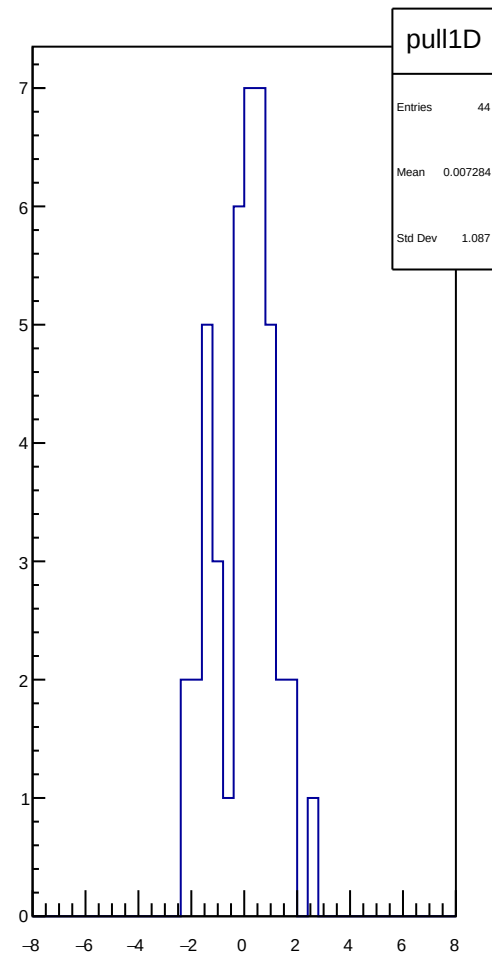
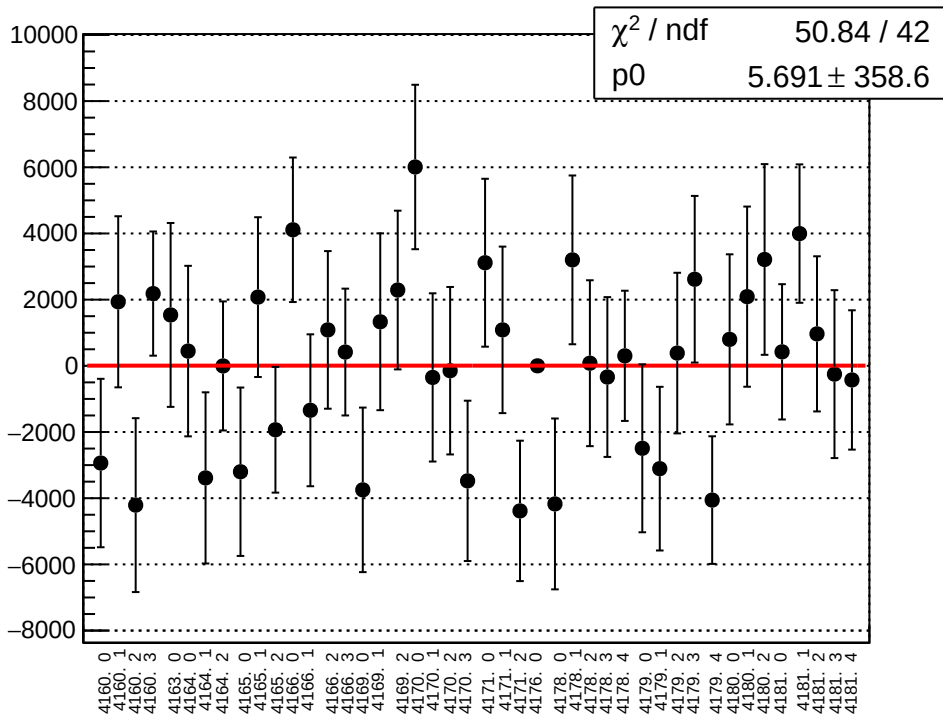
asym\_us\_avg\_correction\_mean vs run



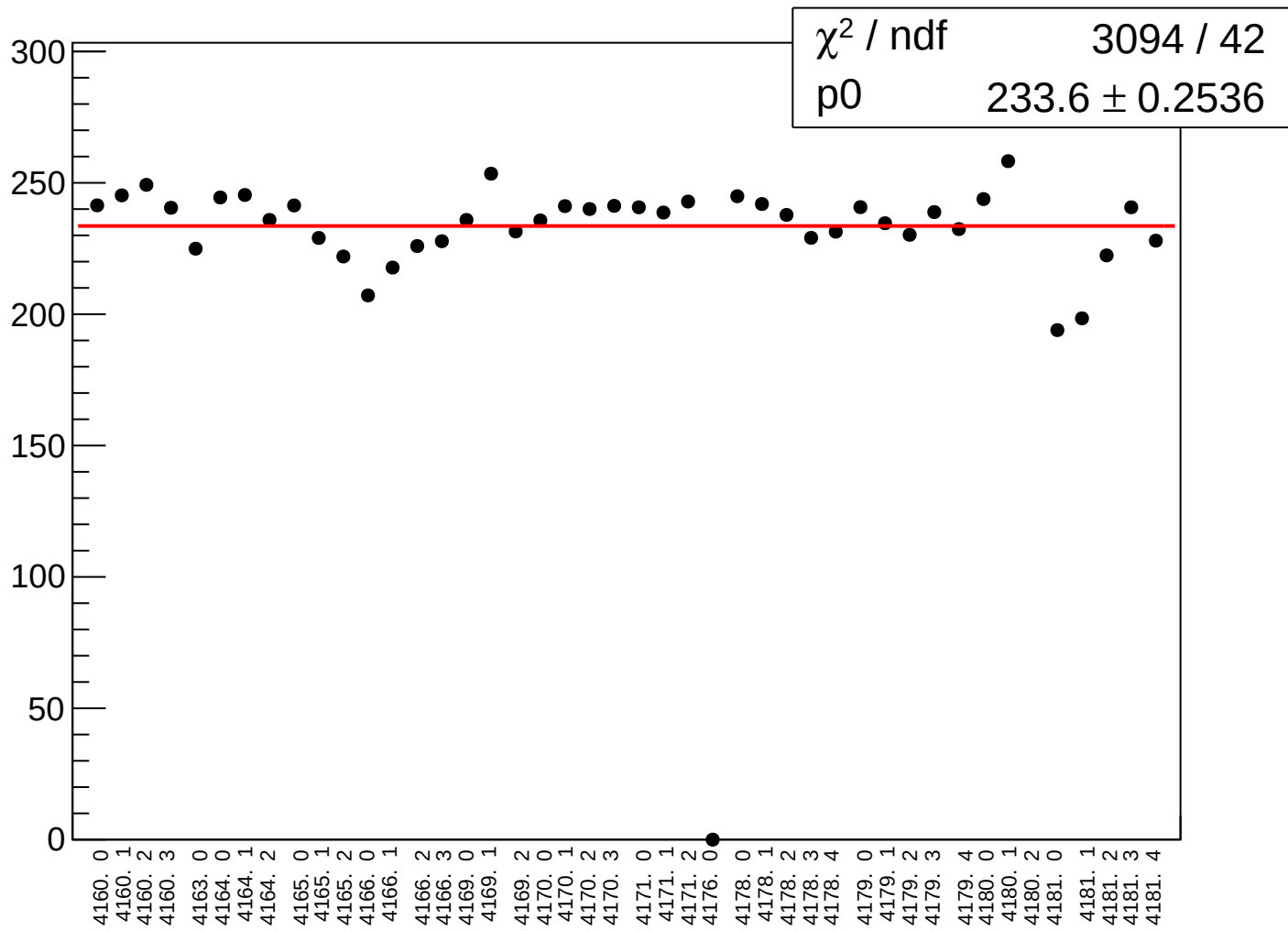
# asym\_us\_avg\_correction\_rms vs run



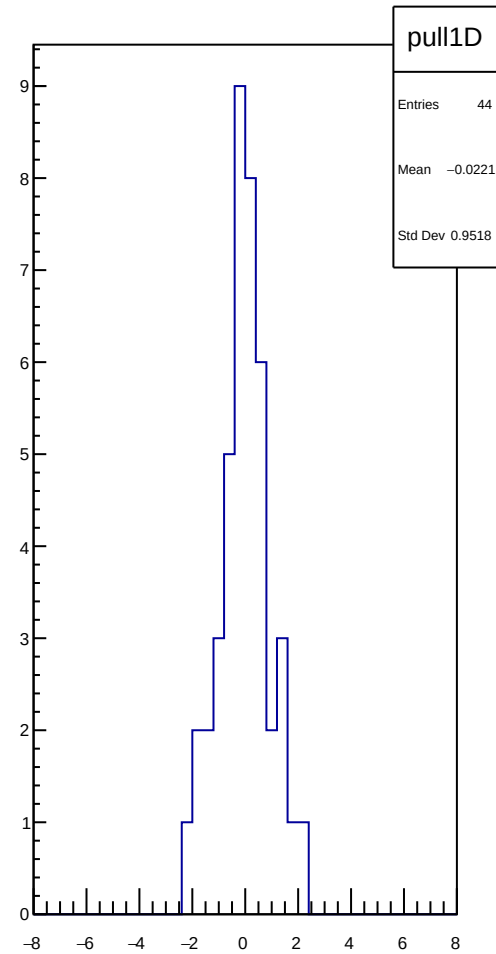
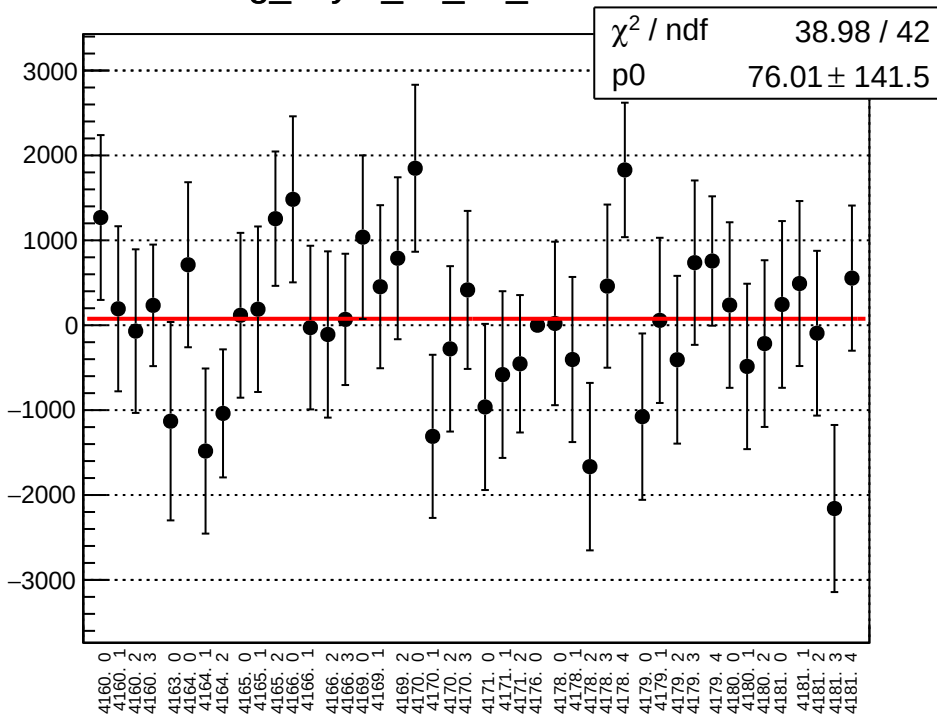
# asym\_us\_avg\_mean vs run



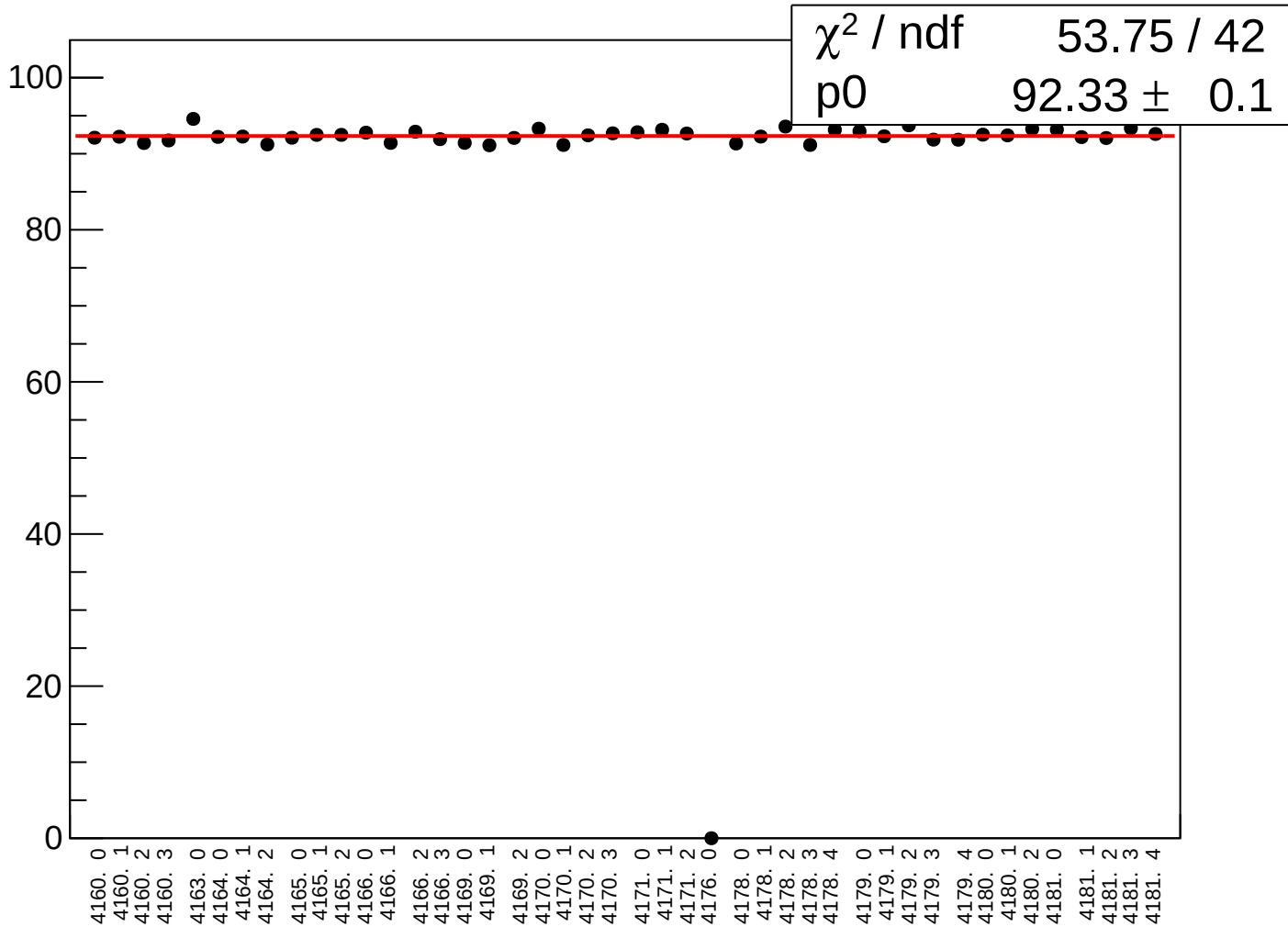
asym\_us\_avg\_rms vs run



# reg\_asym\_us\_dd\_mean vs run

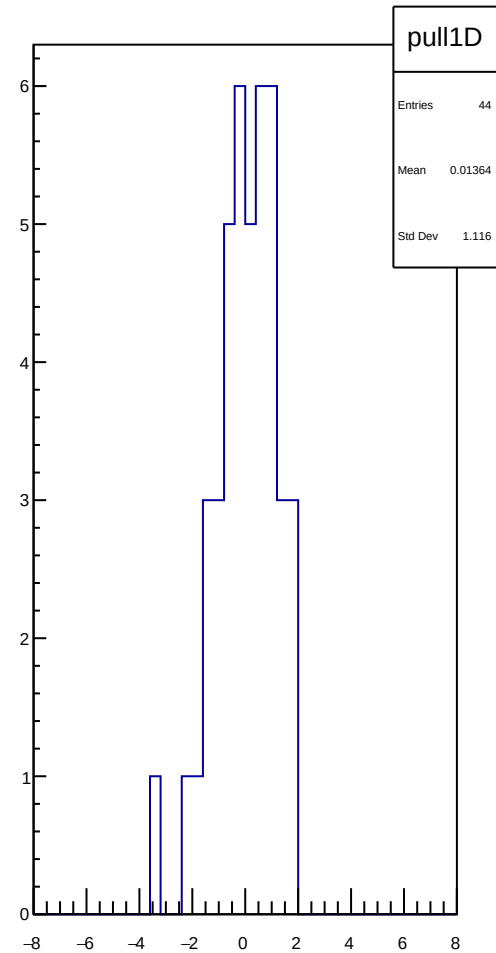
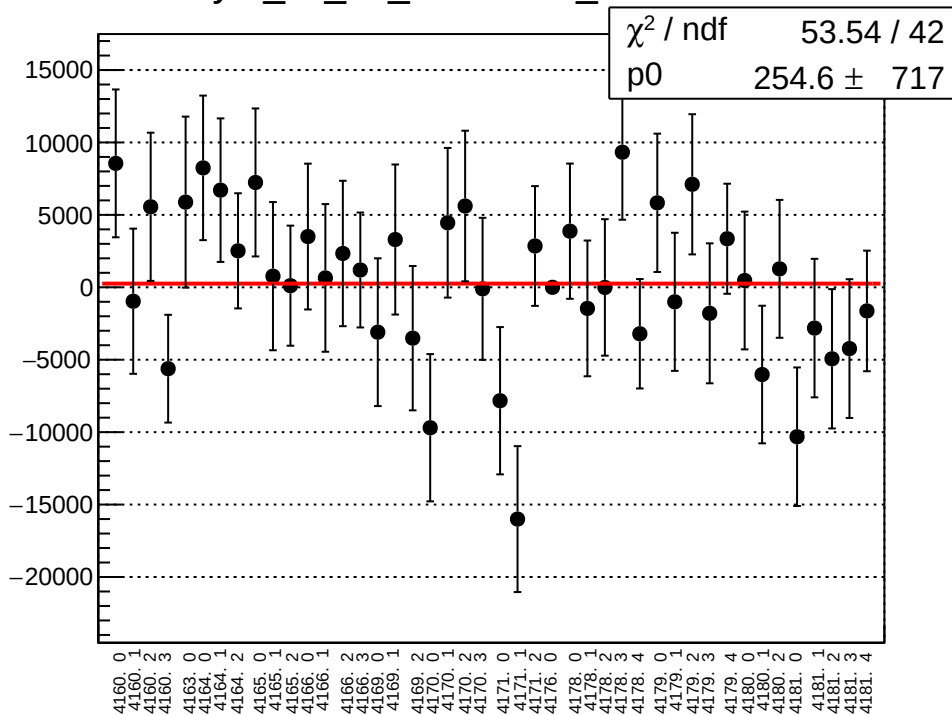


# reg\_asym\_us\_dd\_rms vs run

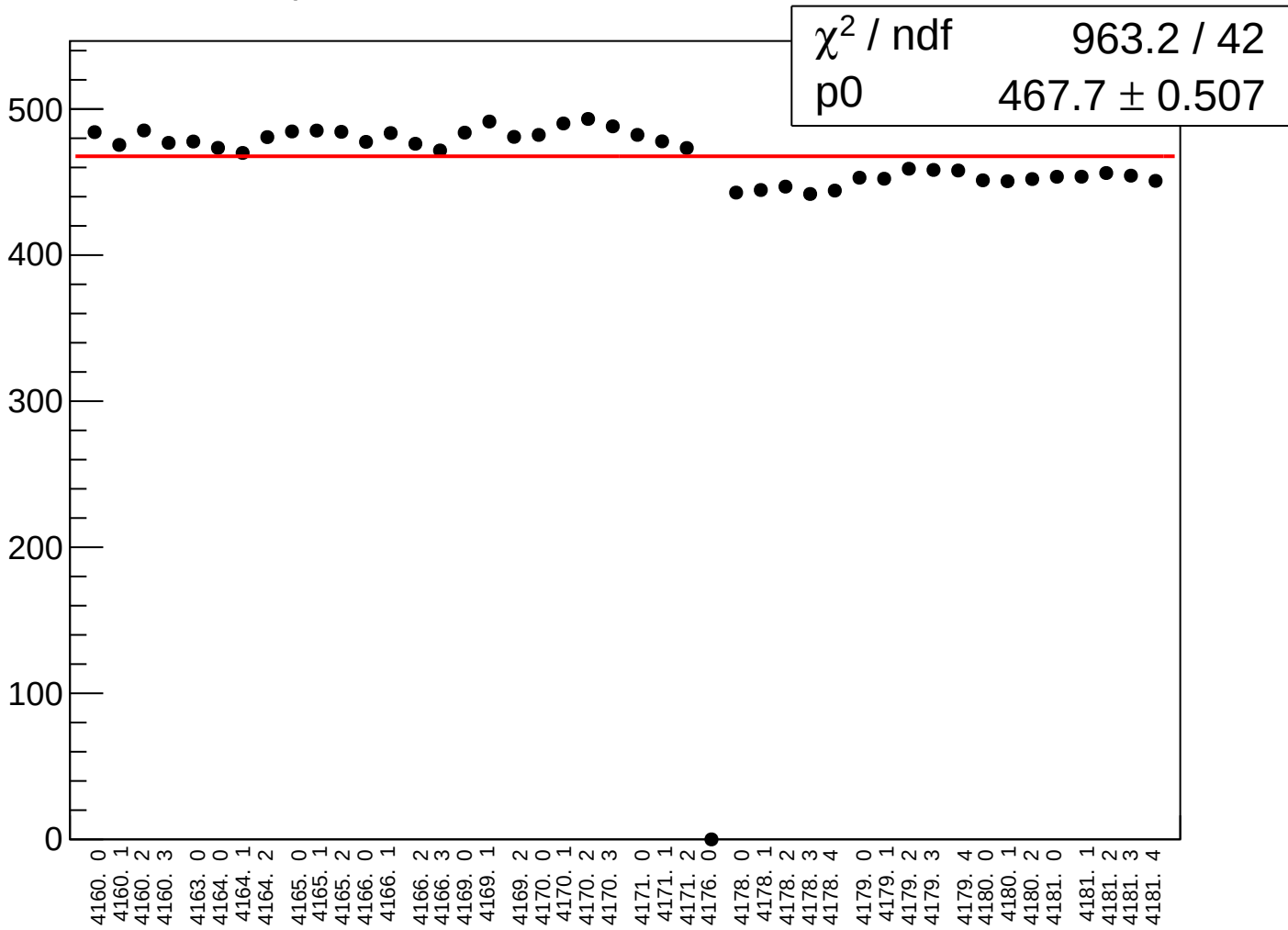




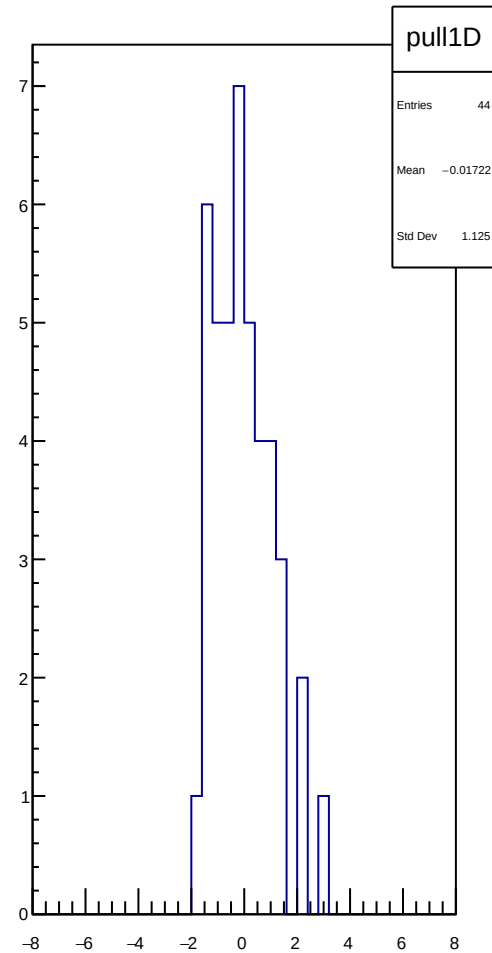
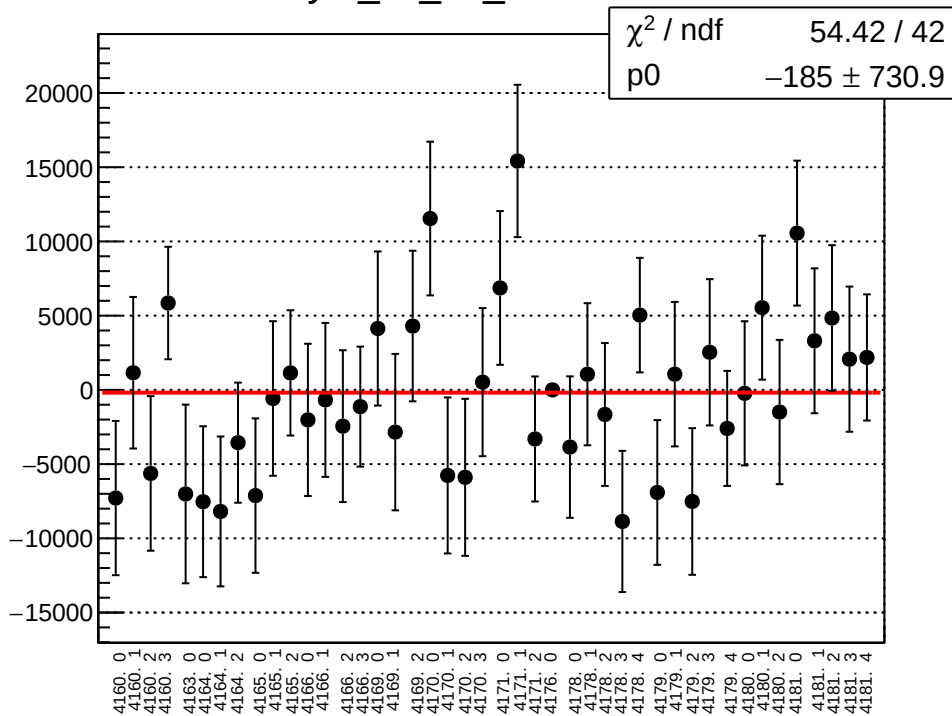
asym\_us\_dd\_correction\_mean vs run



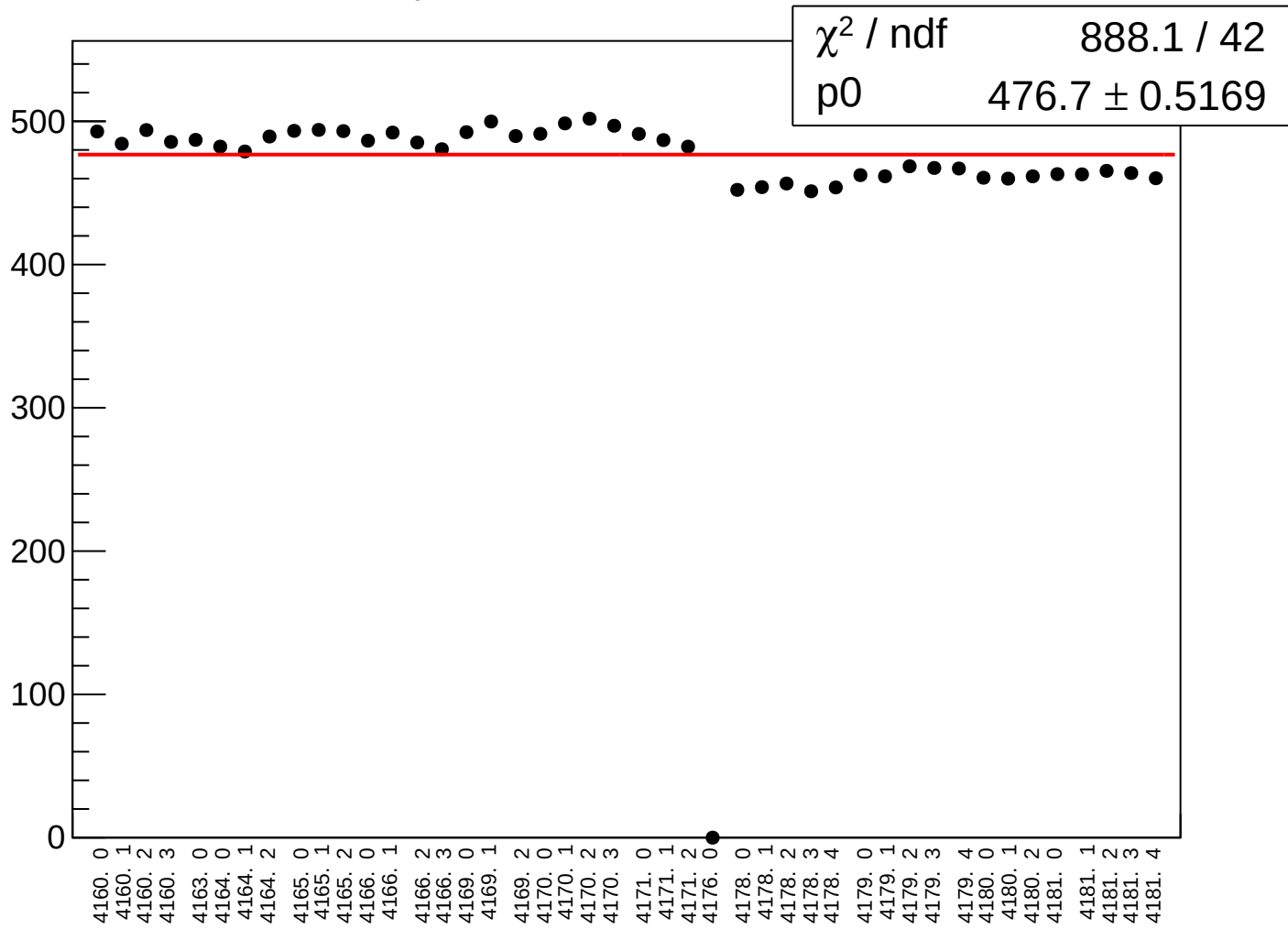
# asym\_us\_dd\_correction\_rms vs run



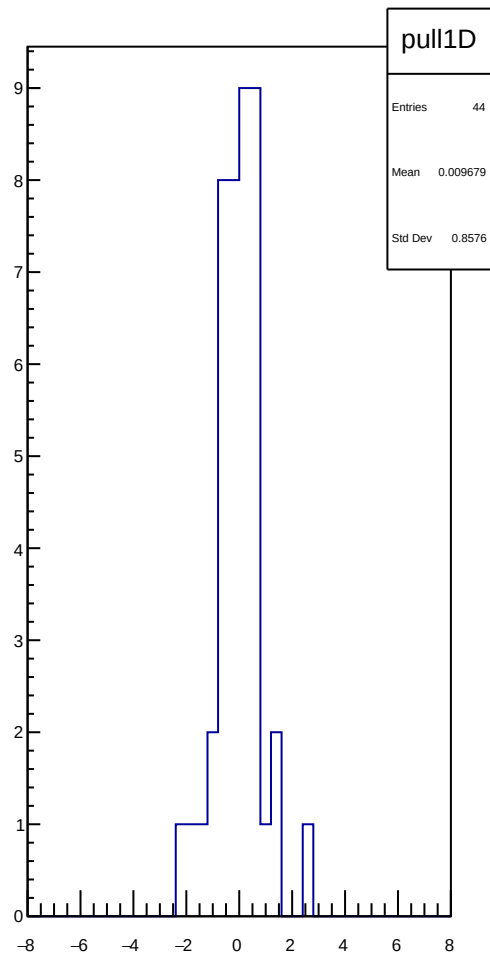
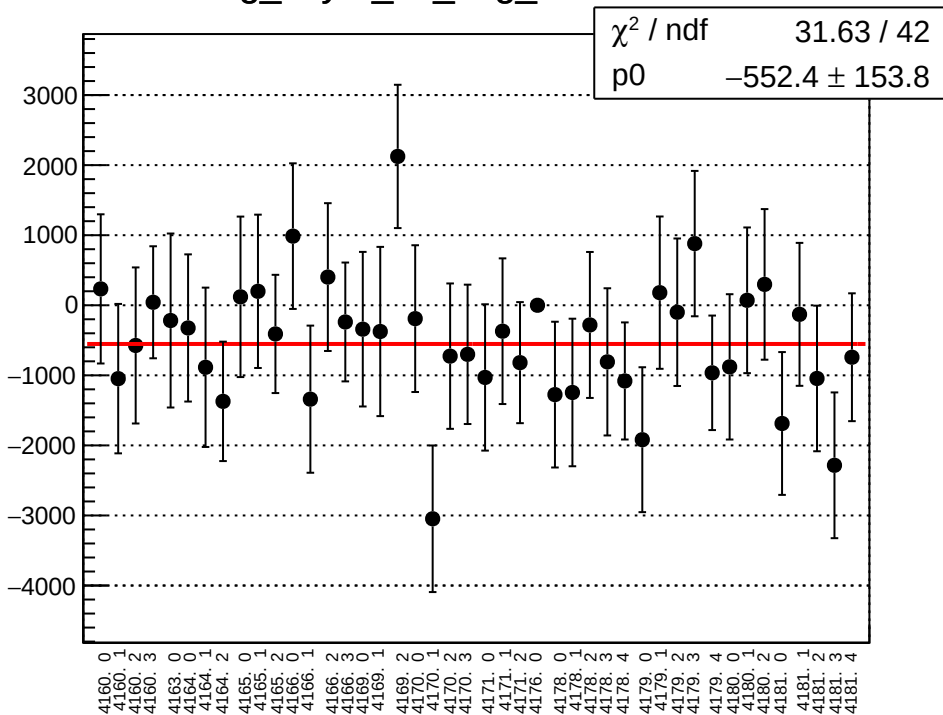
asym\_us\_dd\_mean vs run



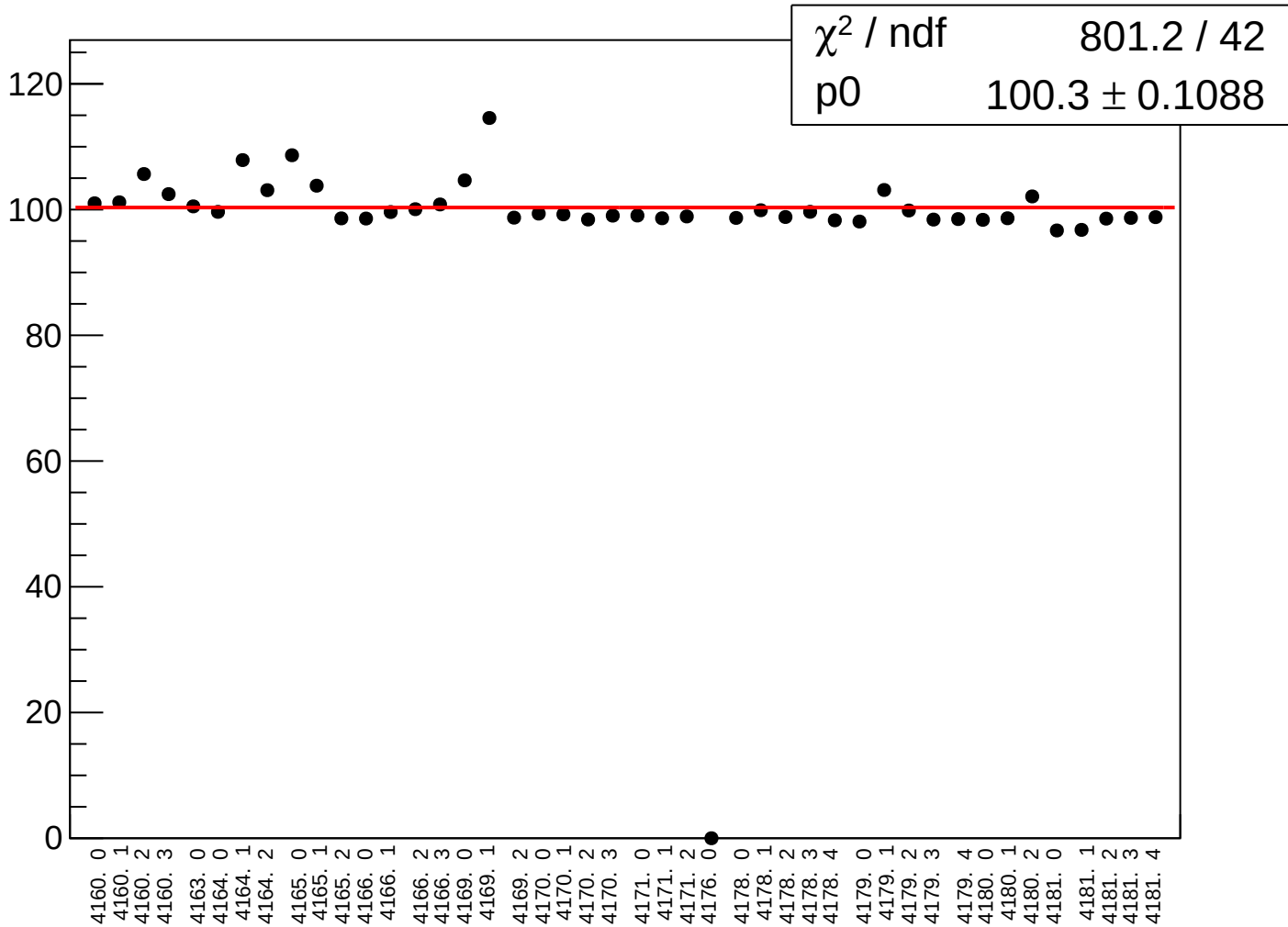
# asym\_us\_dd\_rms vs run



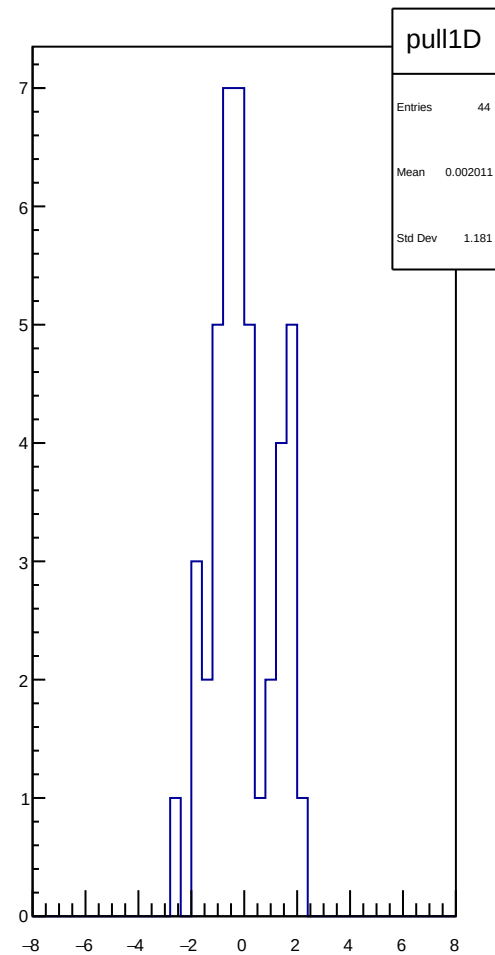
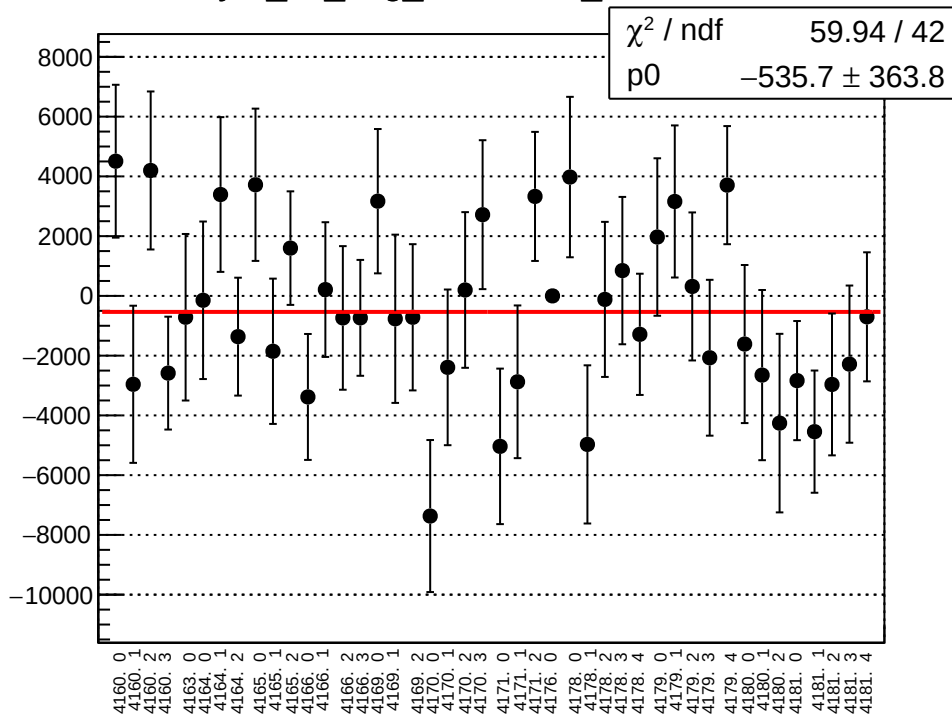
# reg\_asym\_ds\_avg\_mean vs run



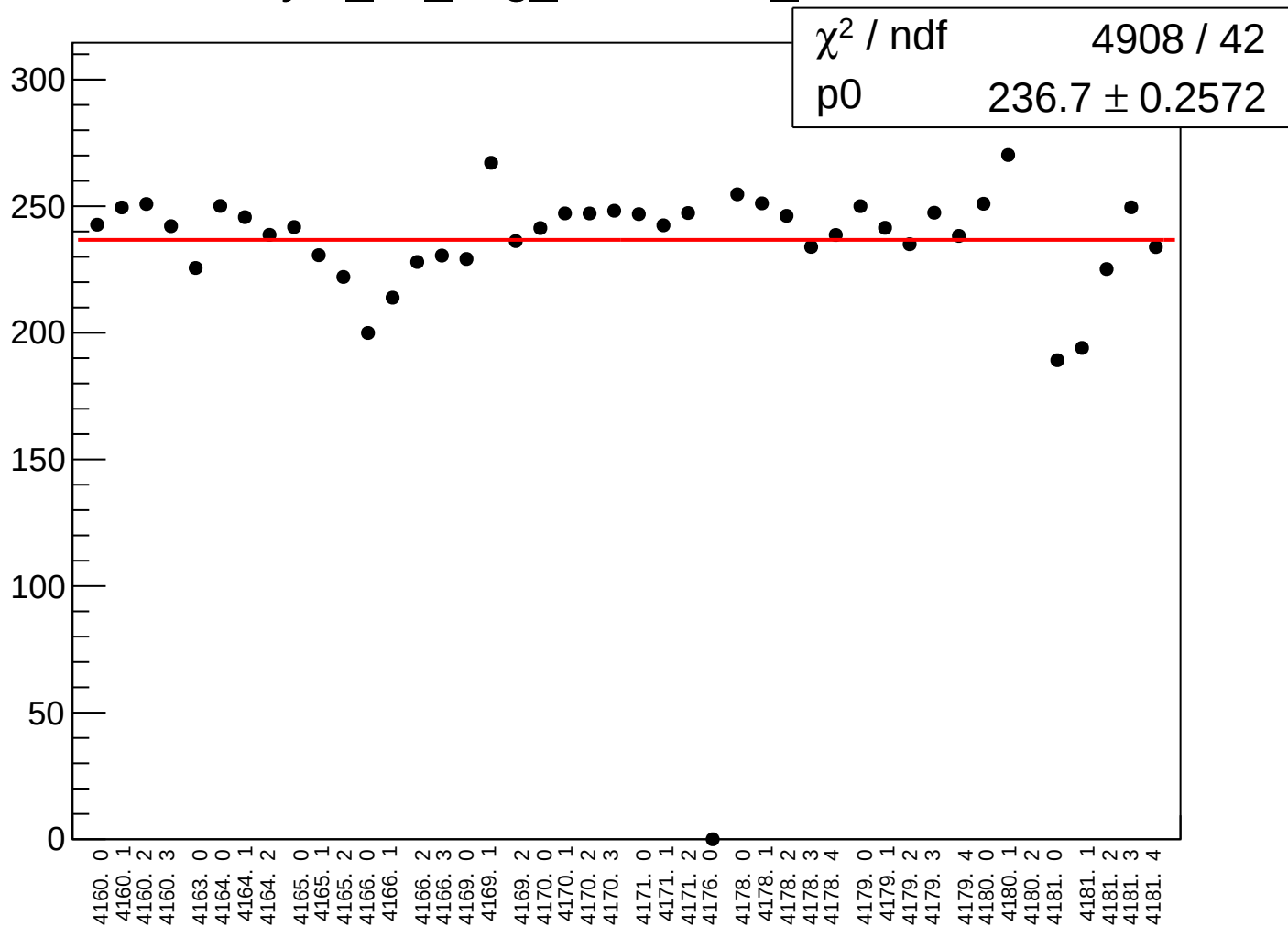
# reg\_asym\_ds\_avg\_rms vs run



asym\_ds\_avg\_correction\_mean vs run

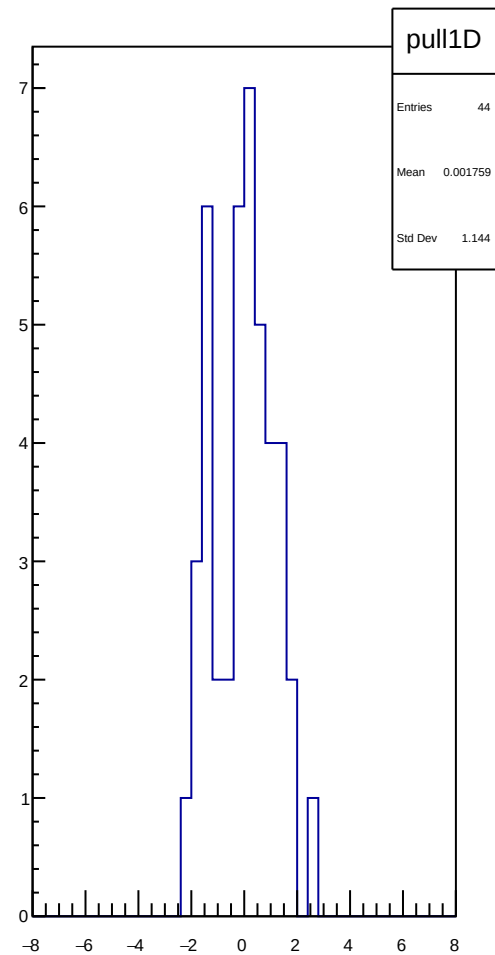
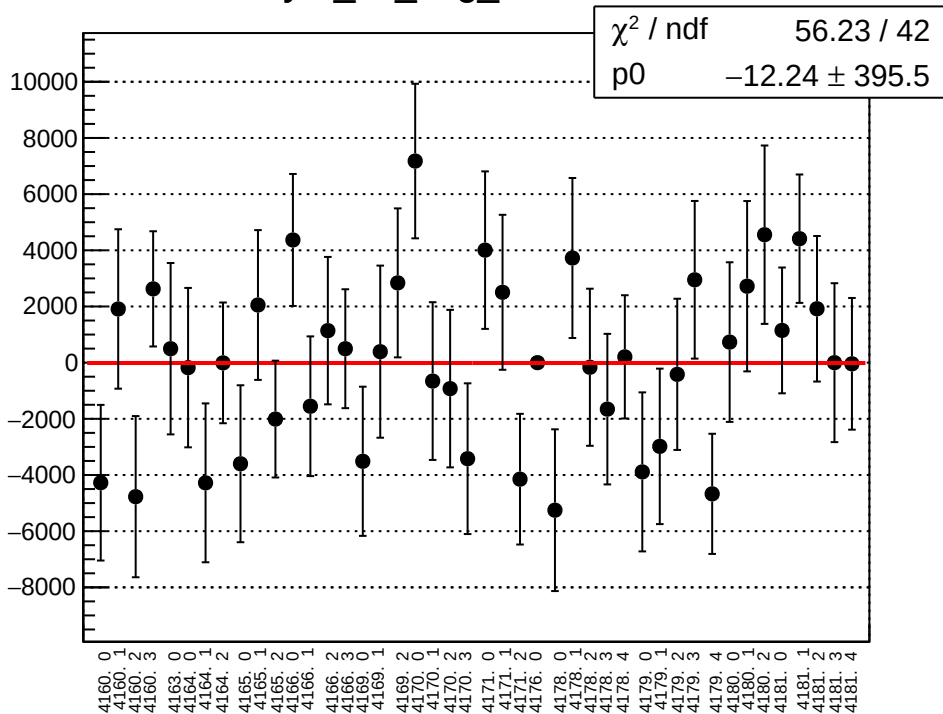


# asym\_ds\_avg\_correction\_rms vs run

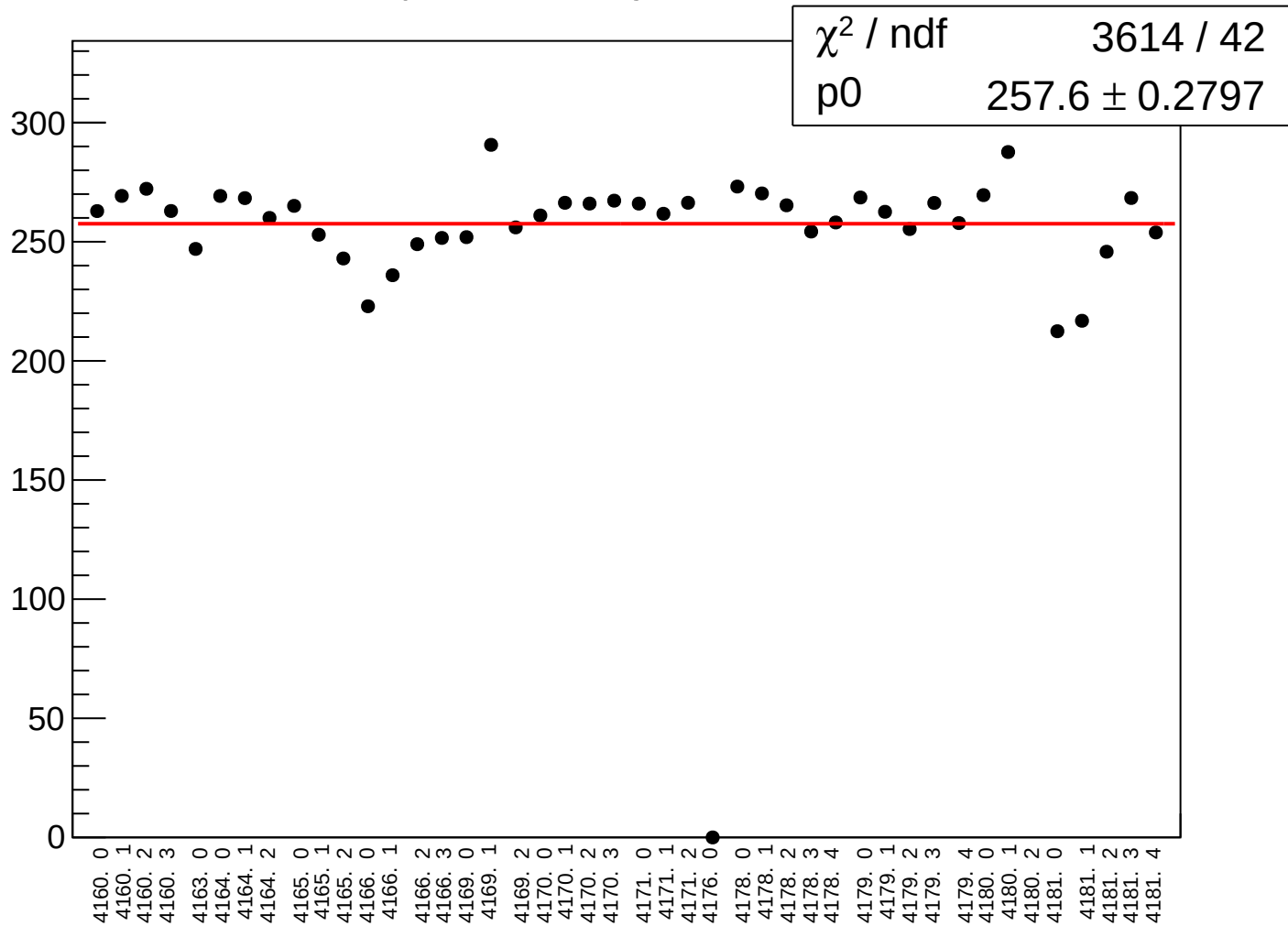




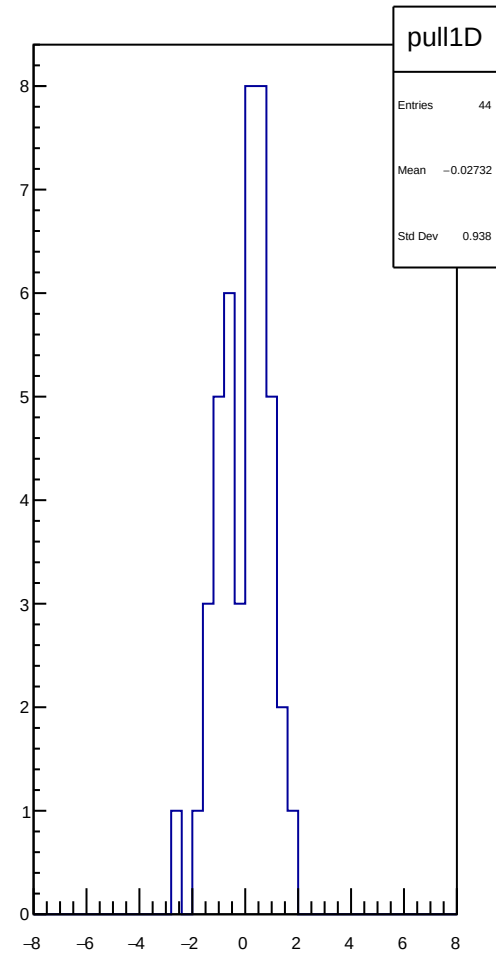
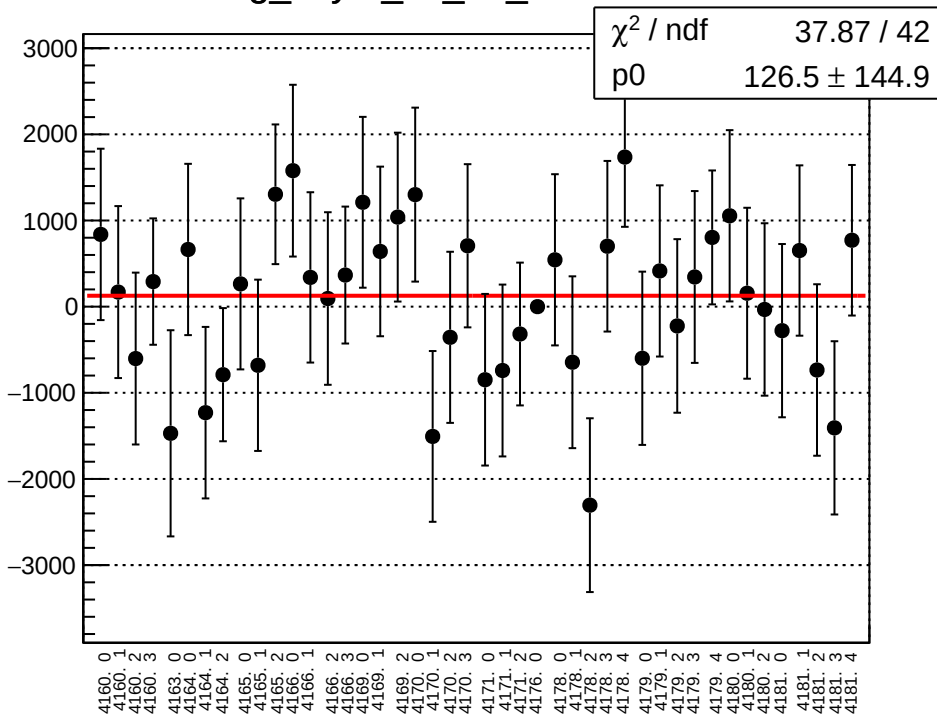
# asym\_ds\_avg\_mean vs run



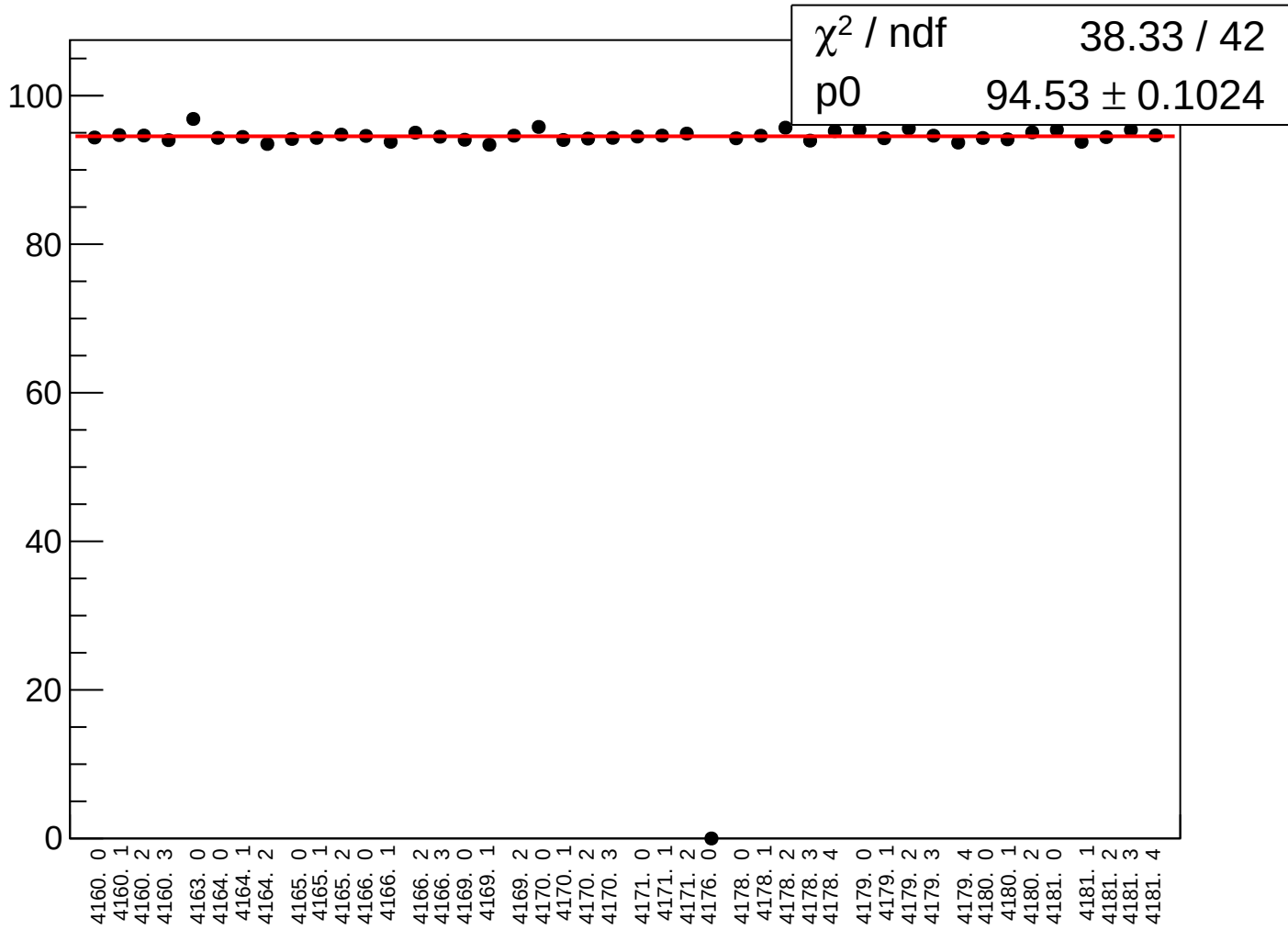
# asym\_ds\_avg\_rms vs run



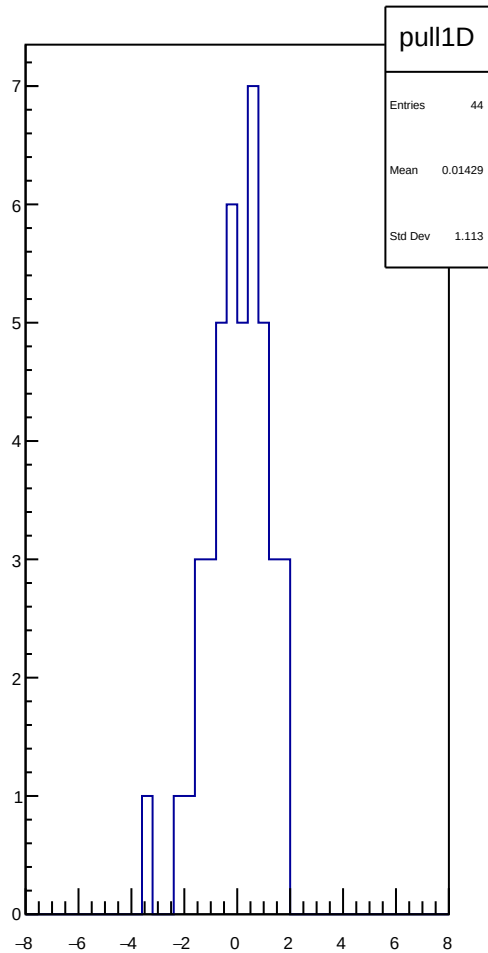
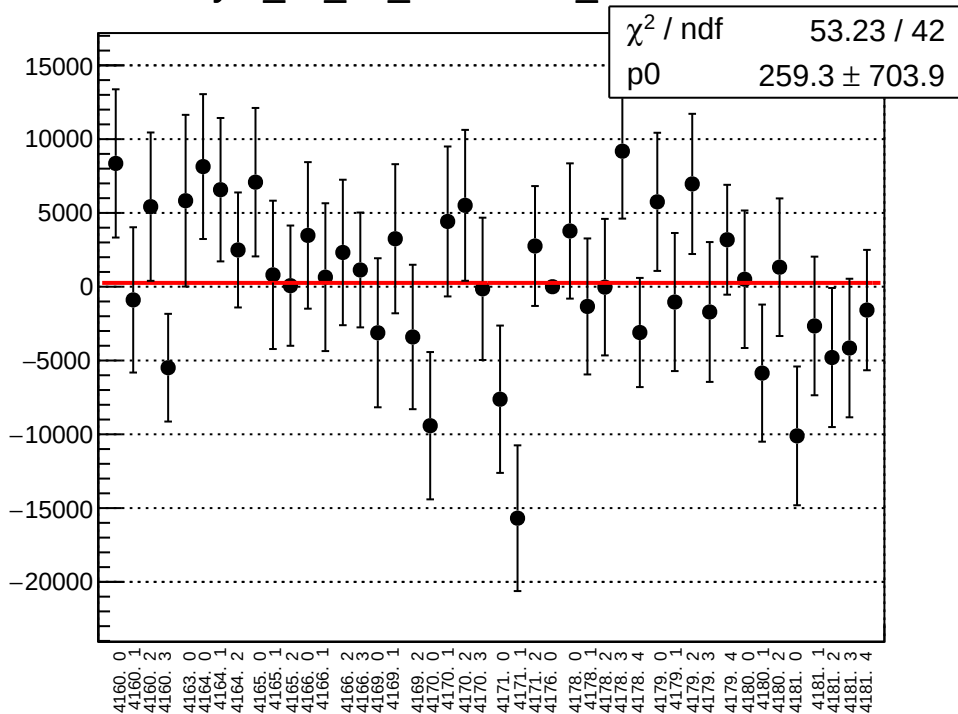
# reg\_asym\_ds\_dd\_mean vs run



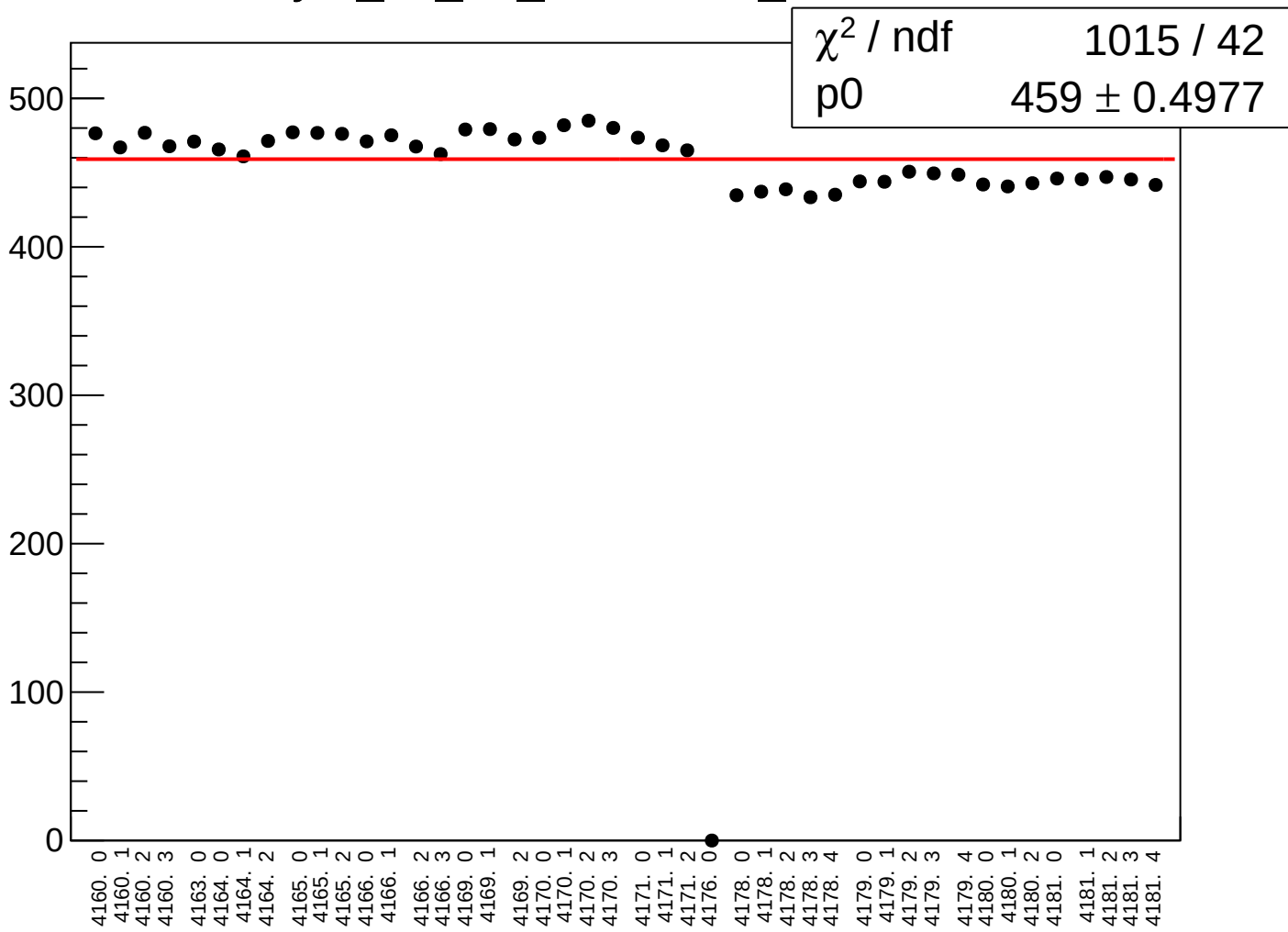
# reg\_asym\_ds\_dd\_rms vs run



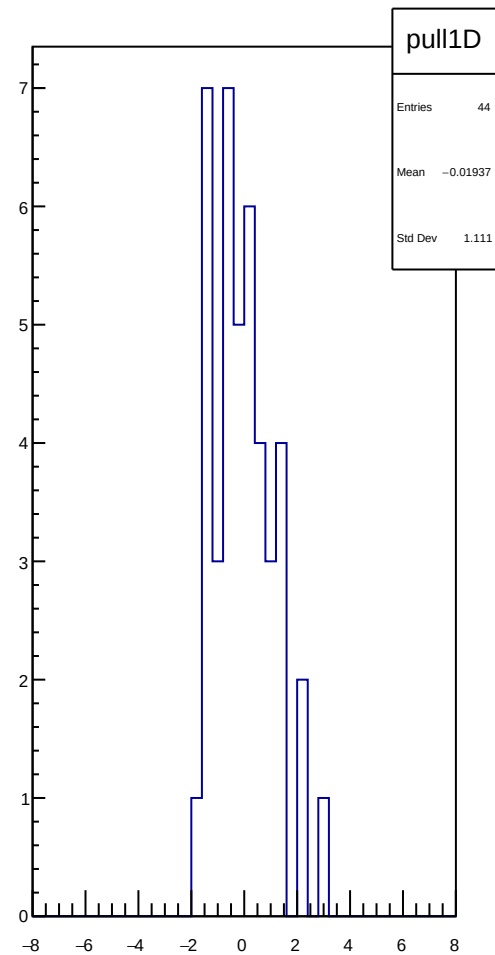
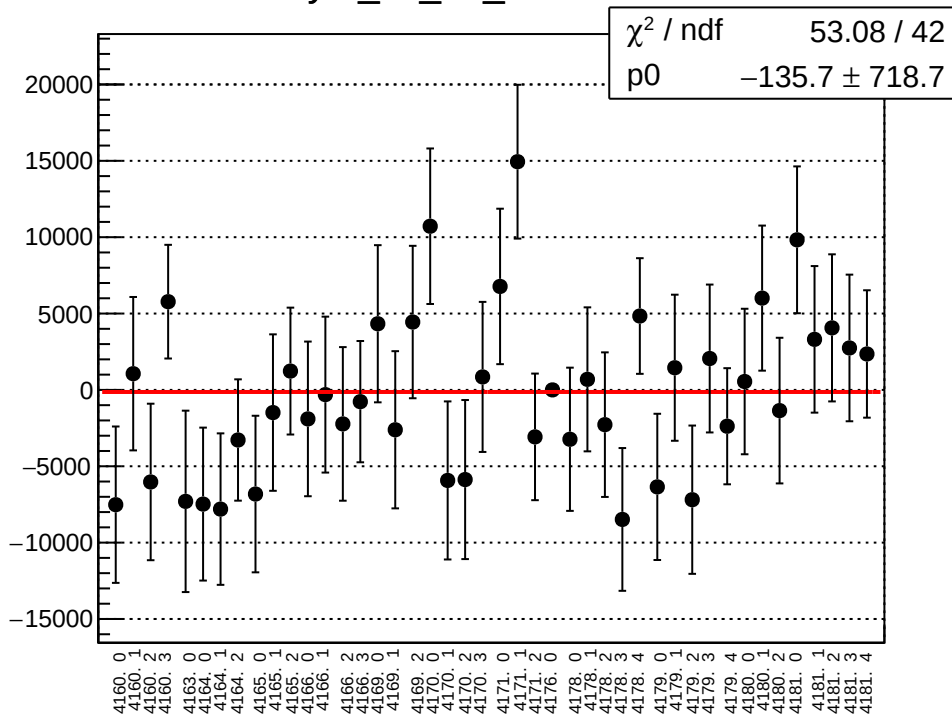
asym\_ds\_dd\_correction\_mean vs run



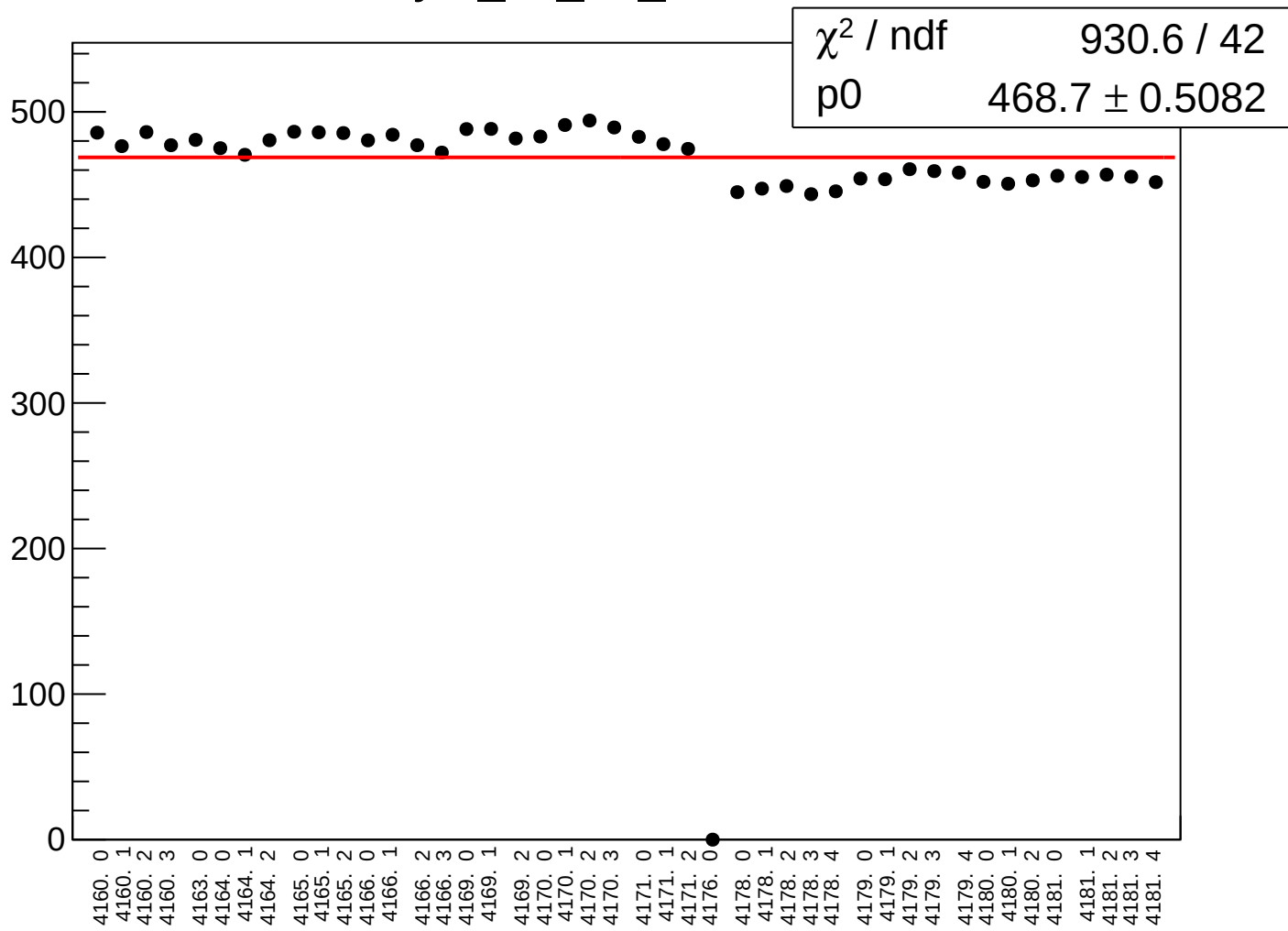
# asym\_ds\_dd\_correction\_rms vs run



asym\_ds\_dd\_mean vs run

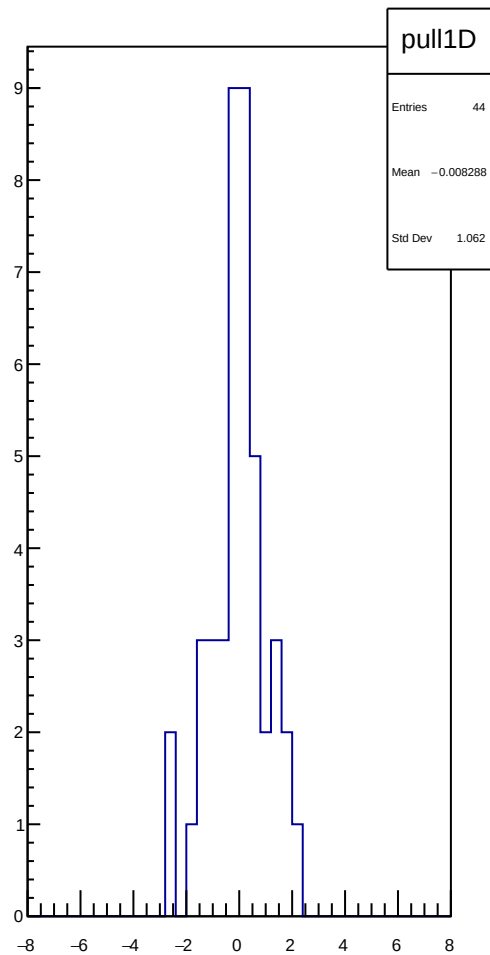
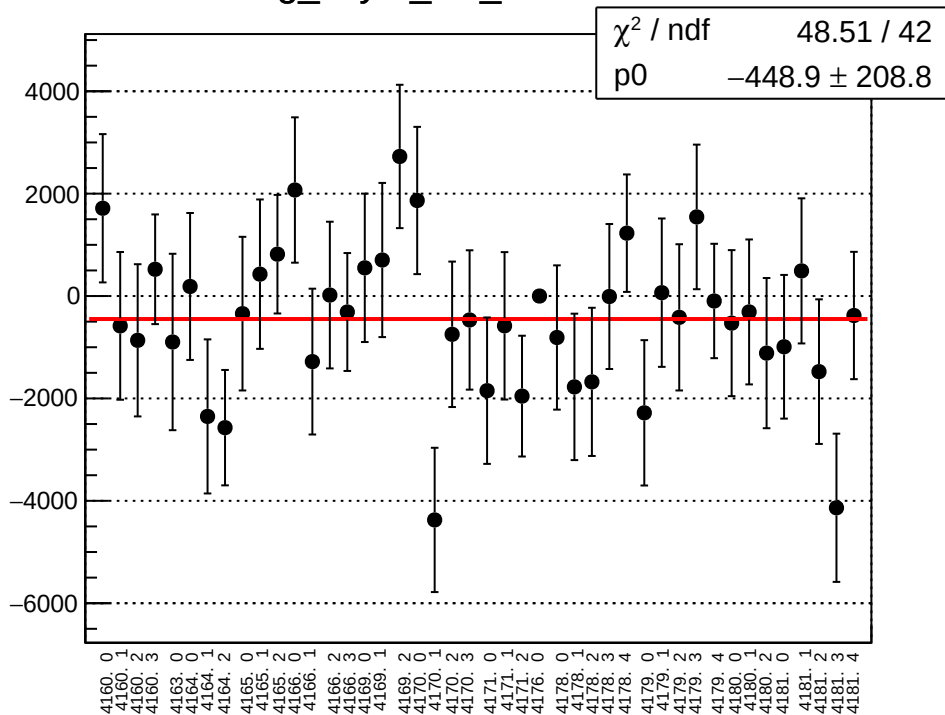


# asym\_ds\_dd\_rms vs run

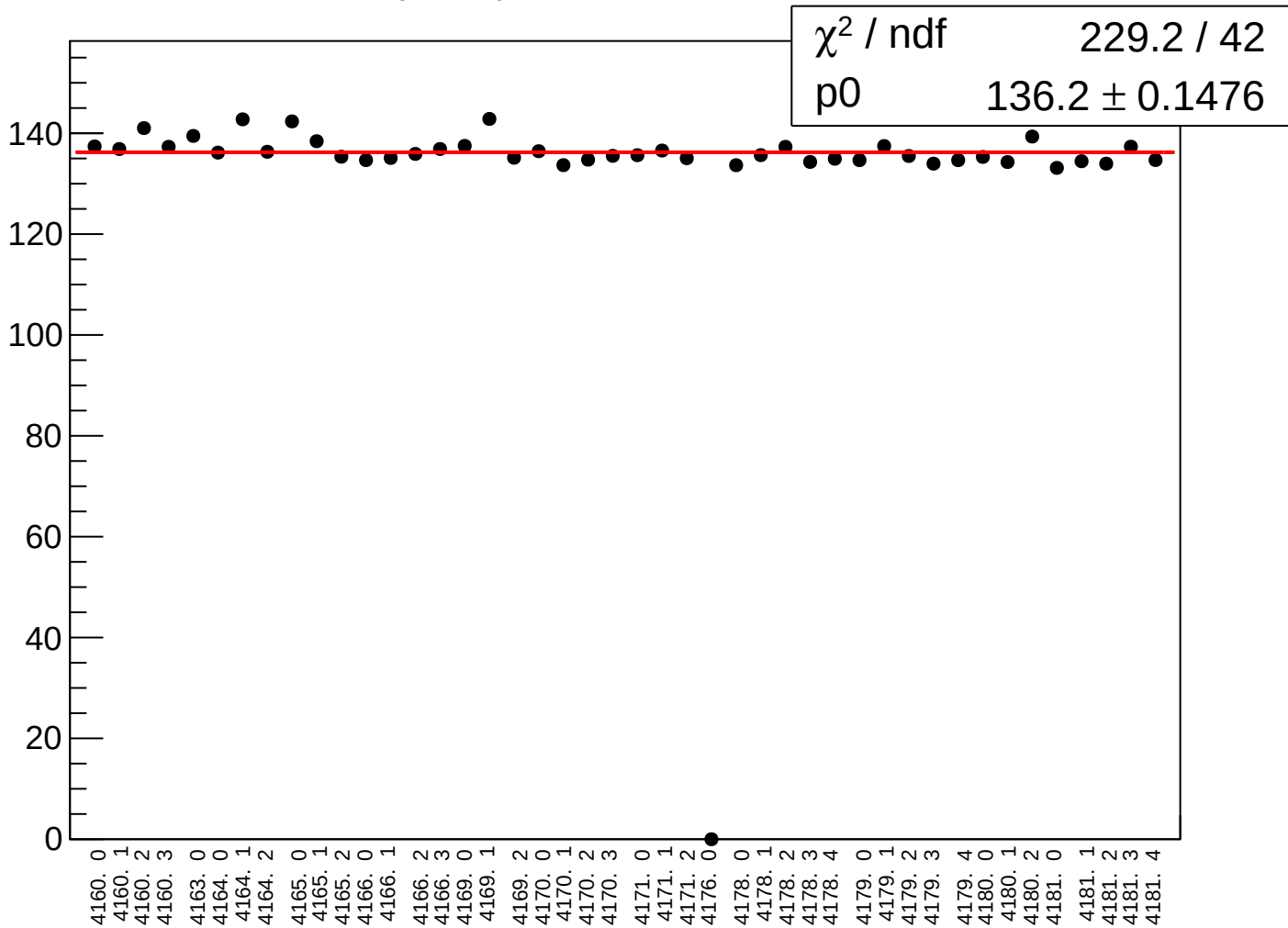




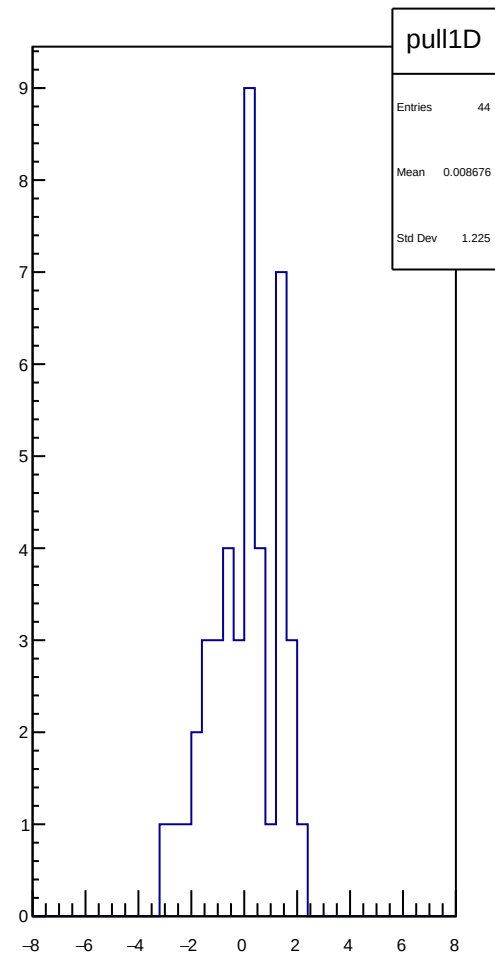
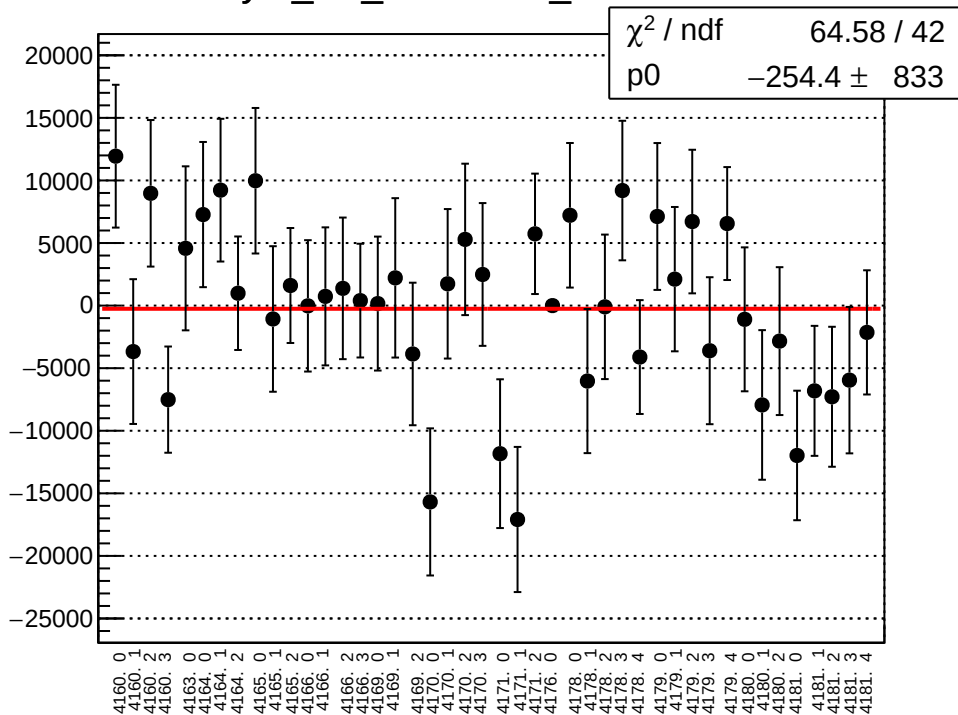
# reg\_asym\_usl\_mean vs run



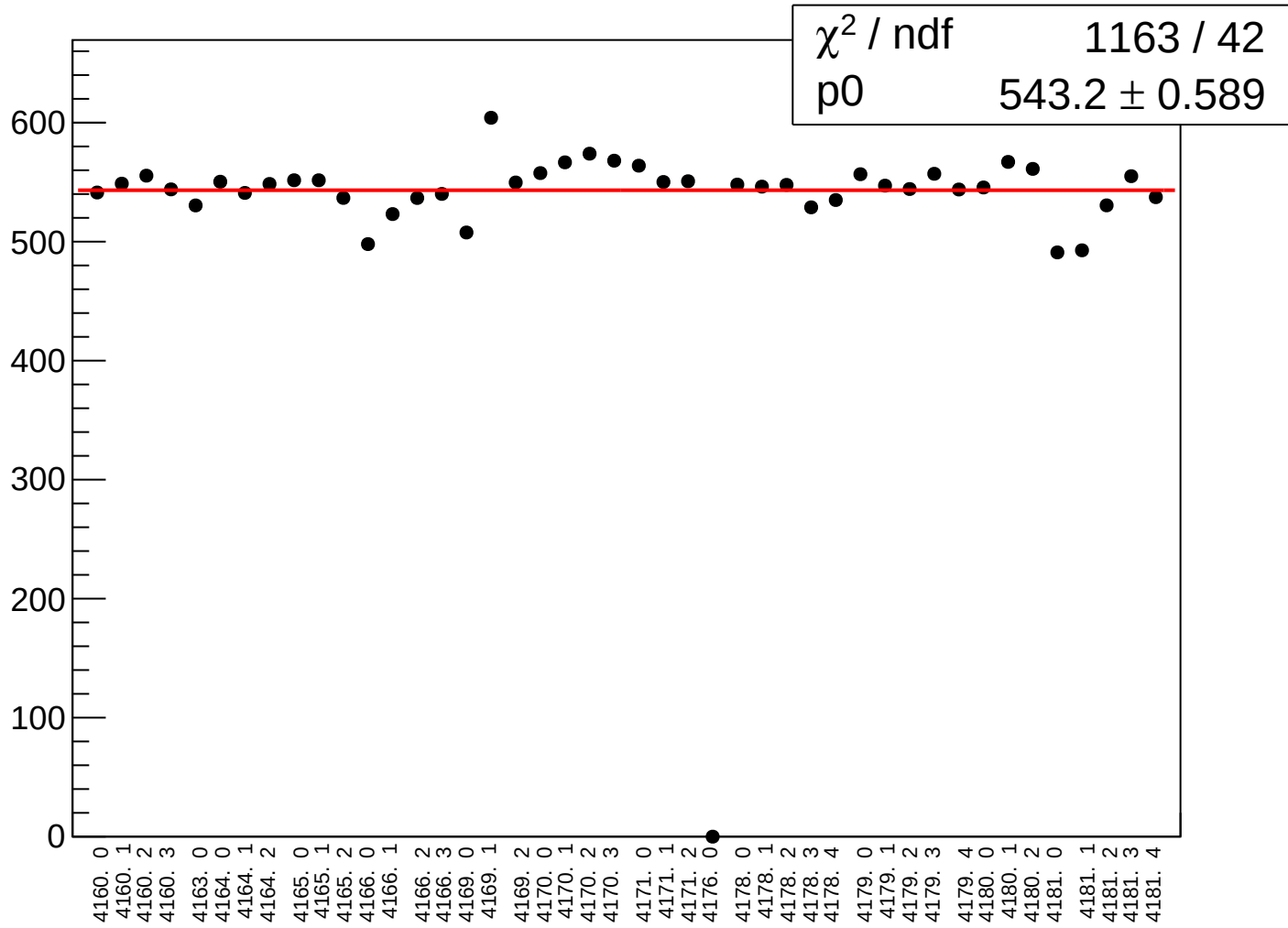
# reg\_asym\_usl\_rms vs run



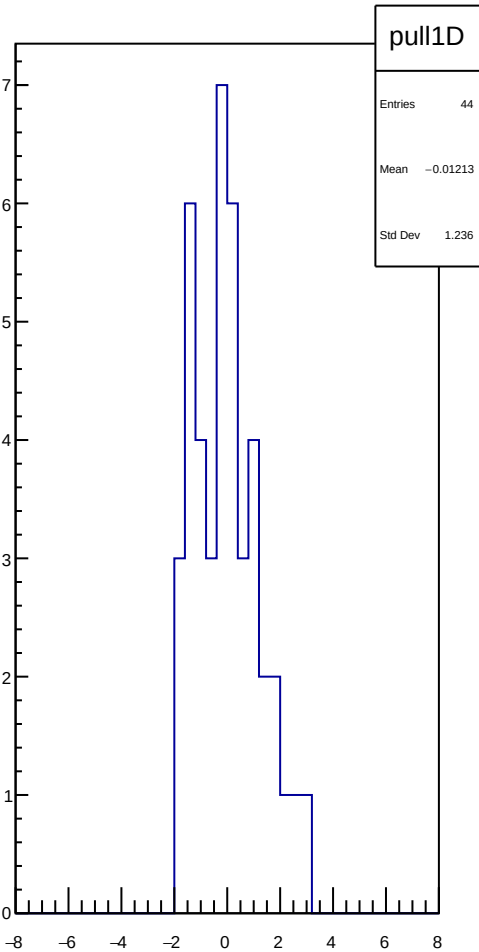
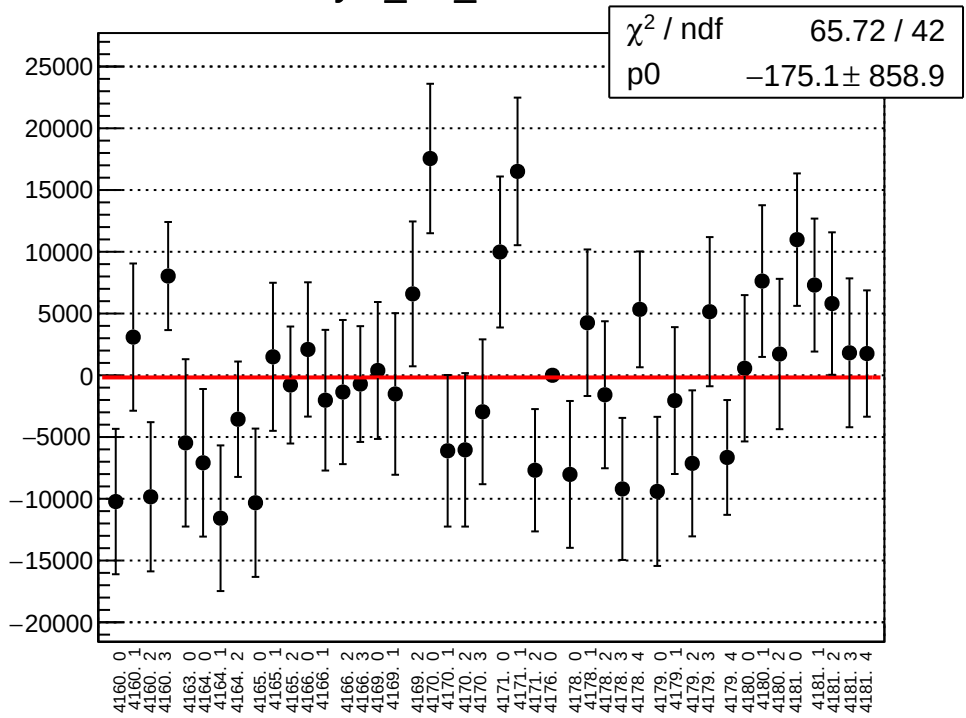
# asym\_usl\_correction\_mean vs run



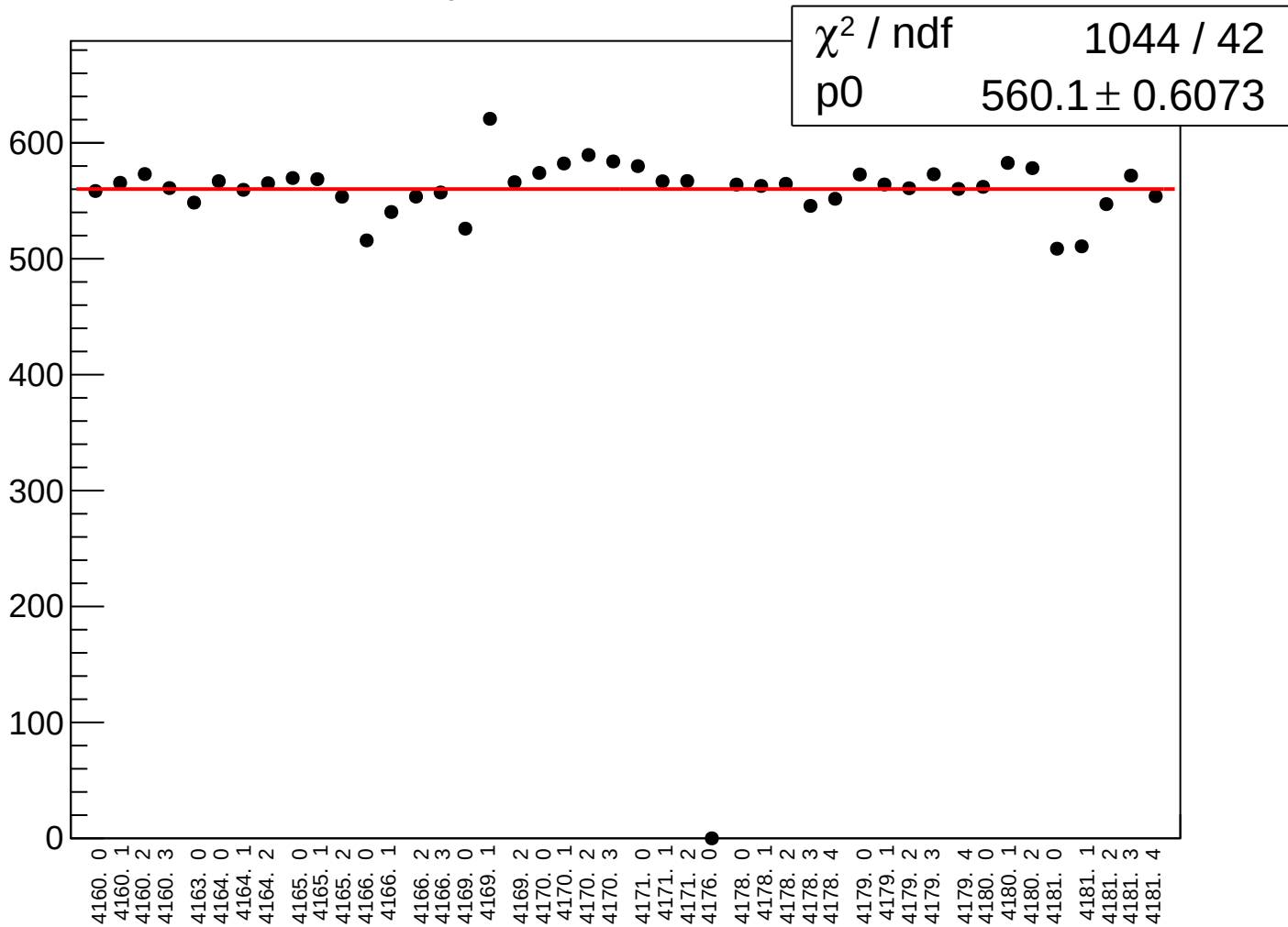
# asym\_usl\_correction\_rms vs run



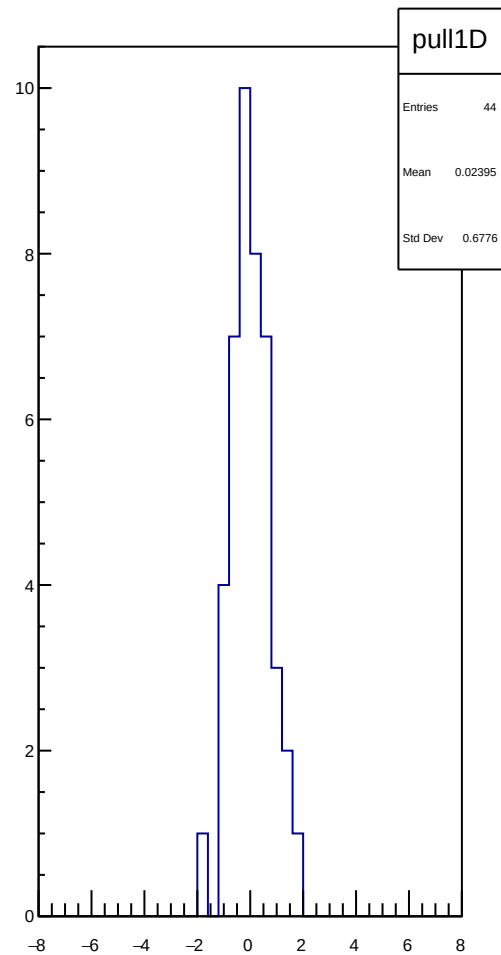
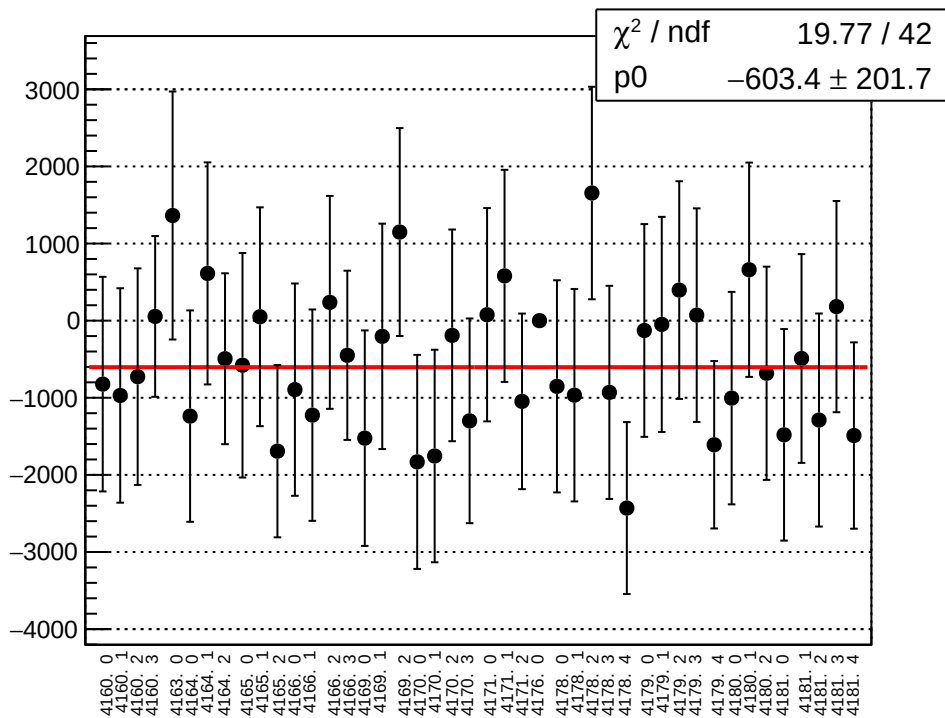
asym\_usl\_mean vs run



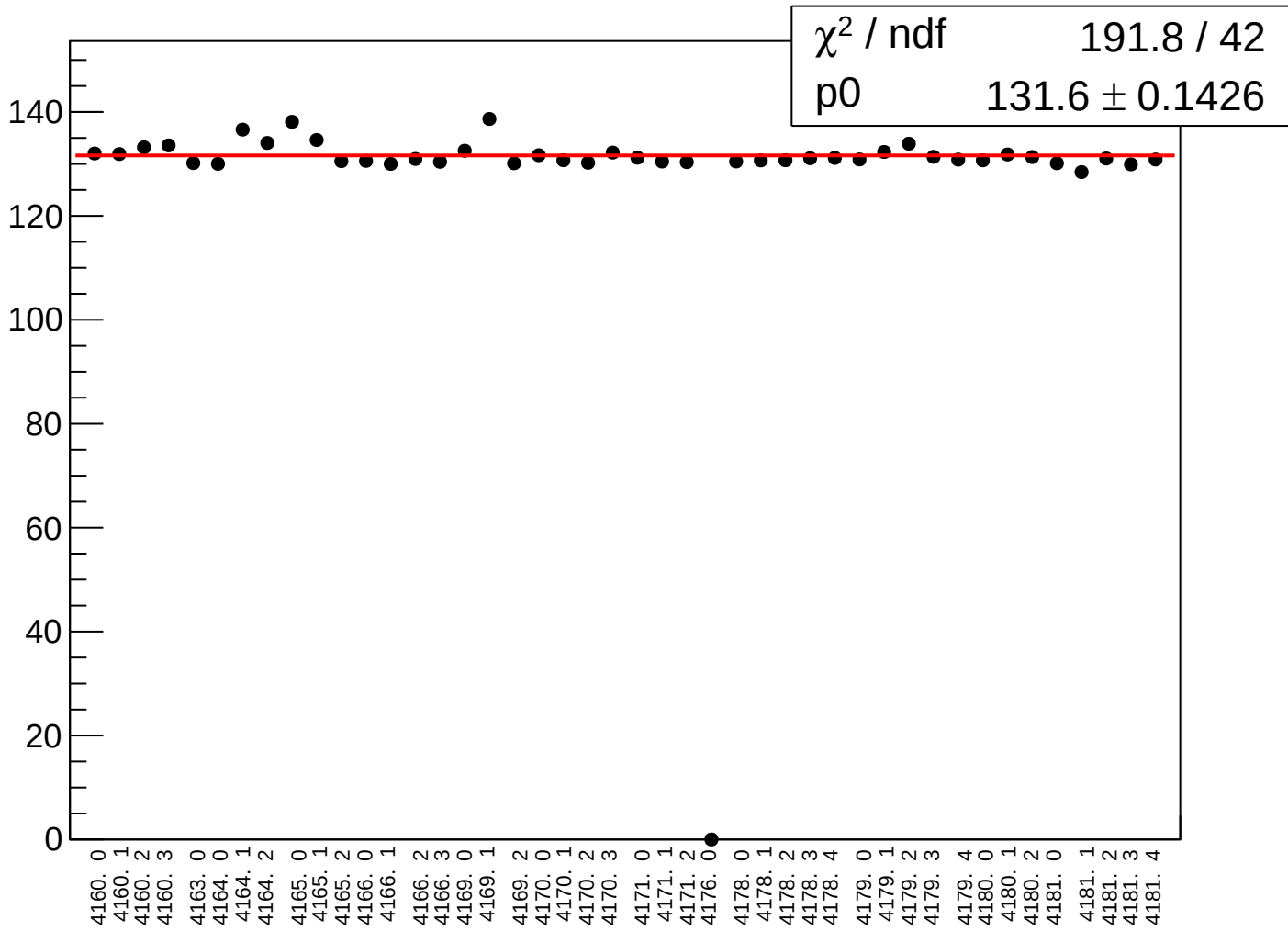
# asym\_usl\_rms vs run



reg\_asym\_usr\_mean vs run

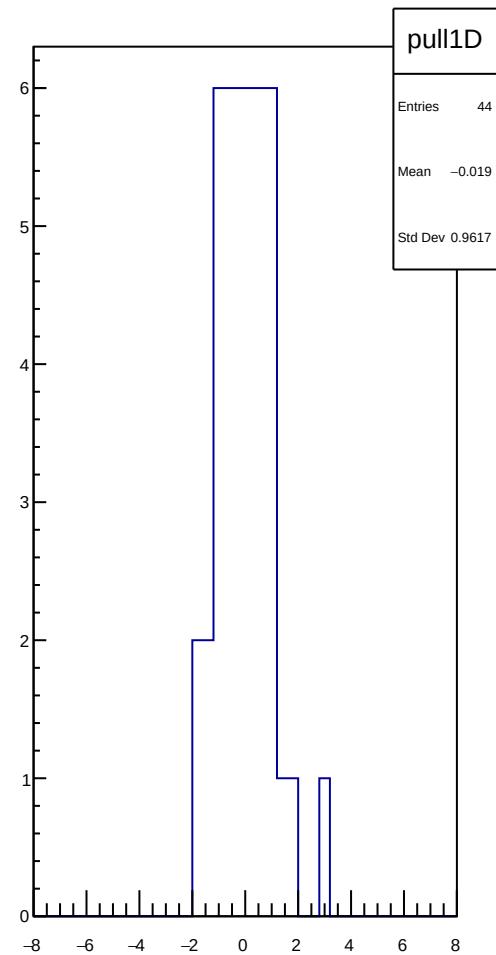
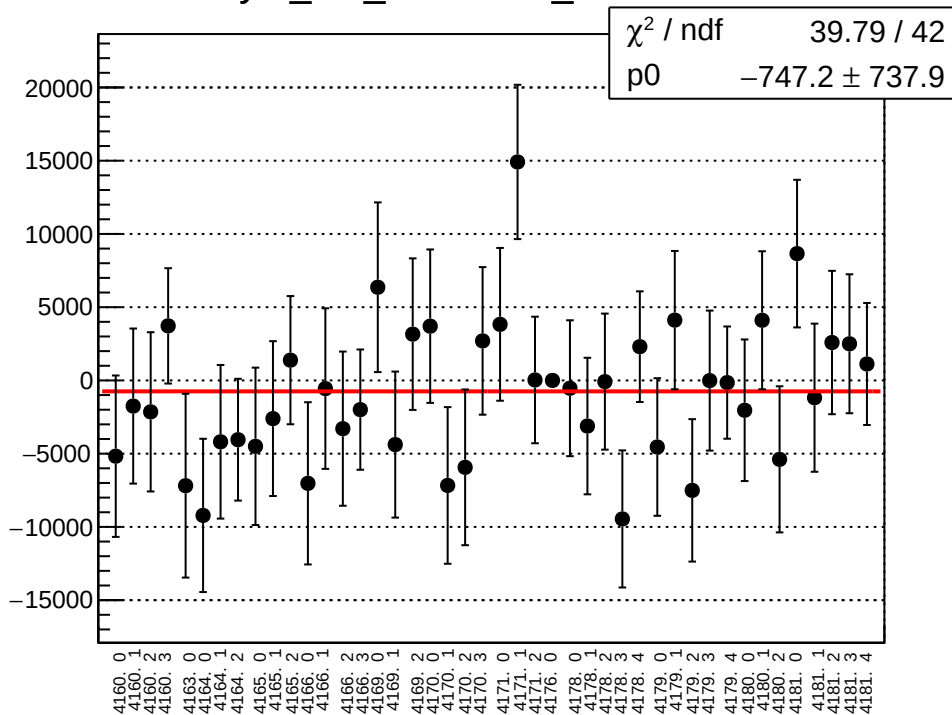


reg\_asym\_usr\_rms vs run

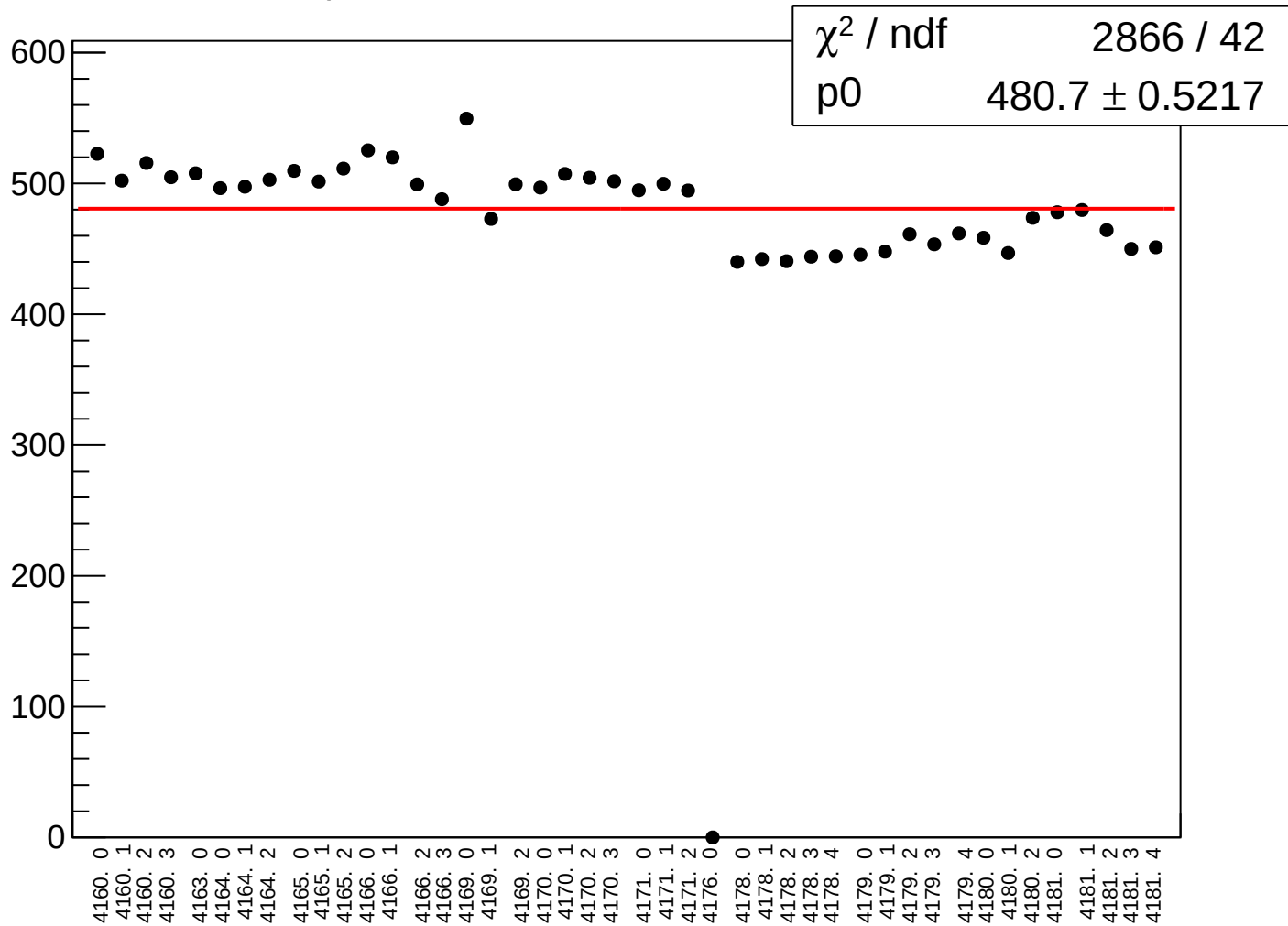




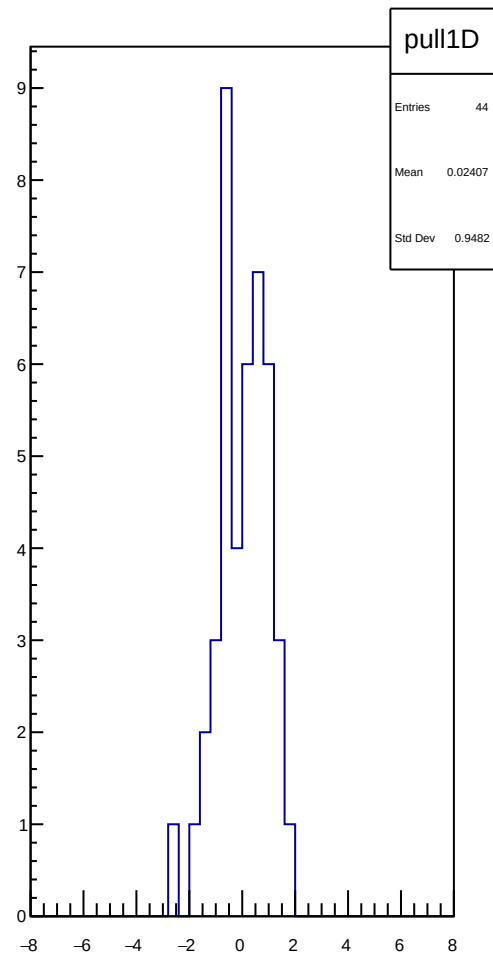
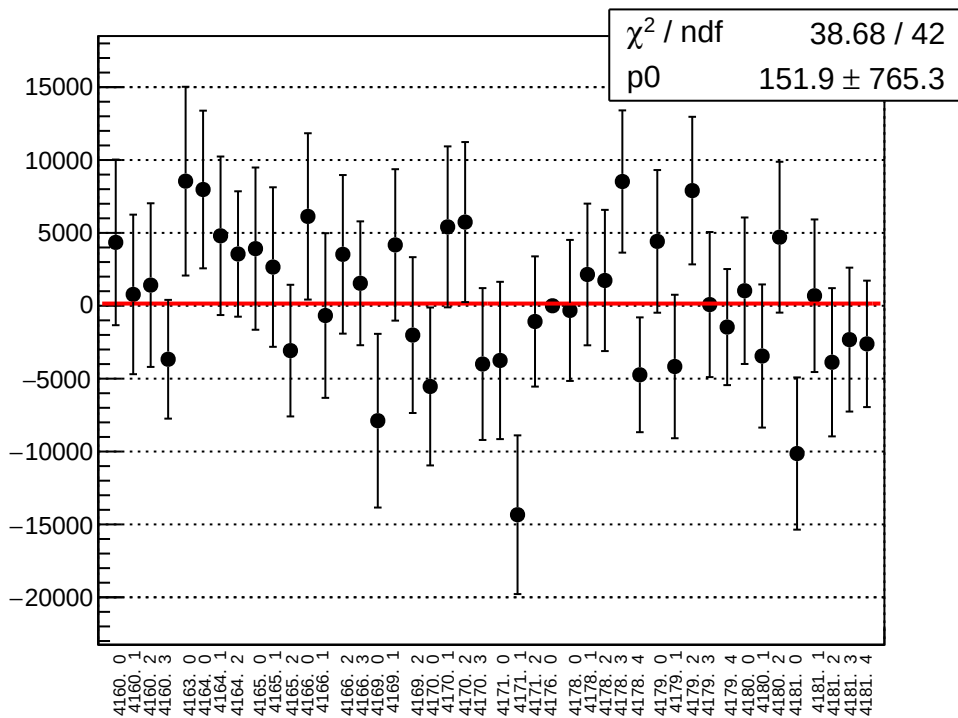
asym\_usr\_correction\_mean vs run



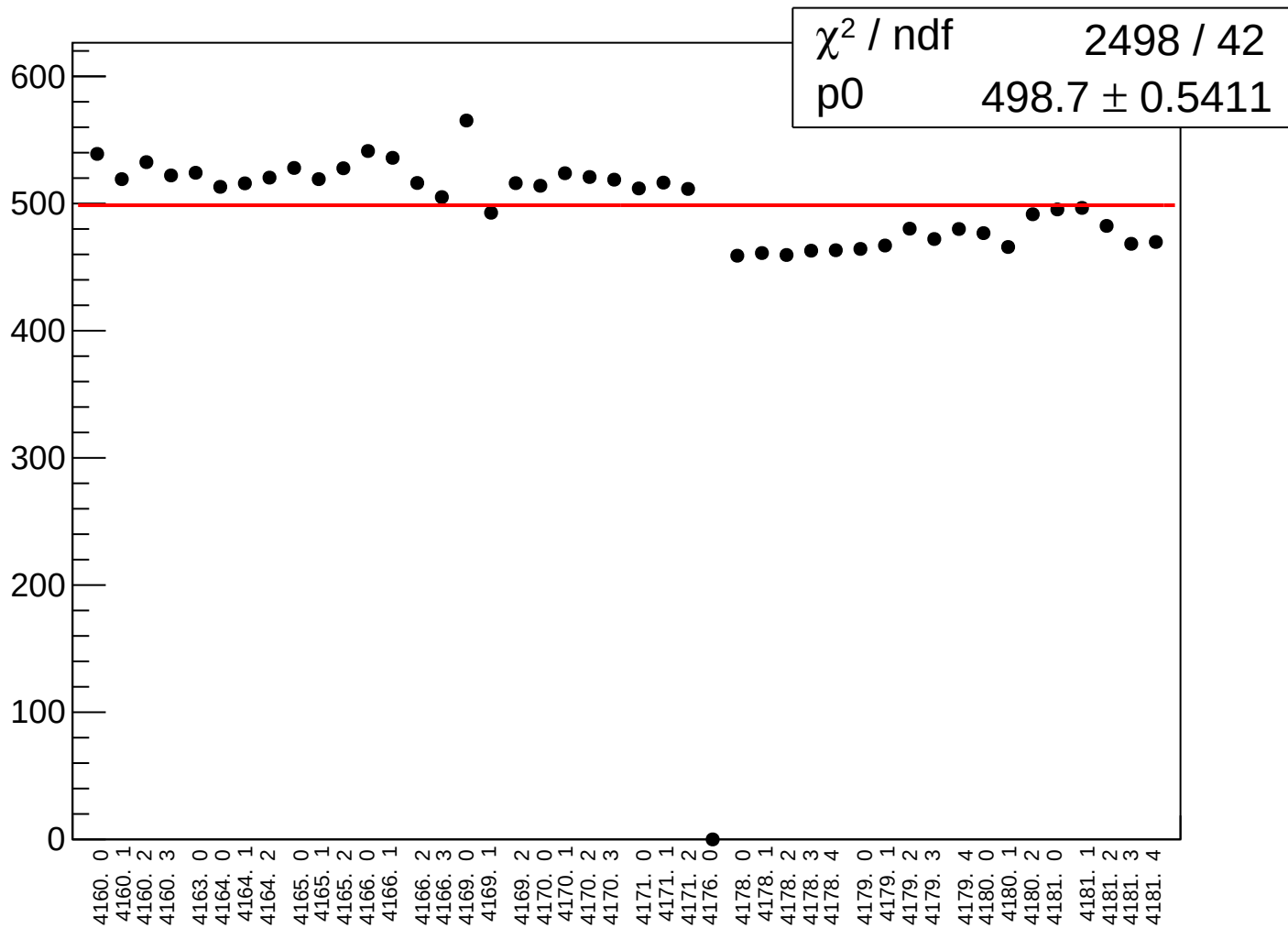
# asym\_usr\_correction\_rms vs run



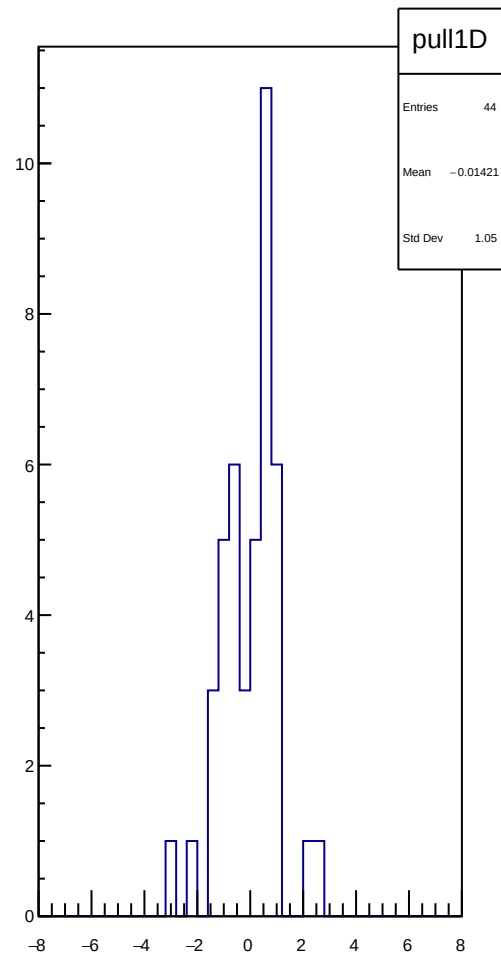
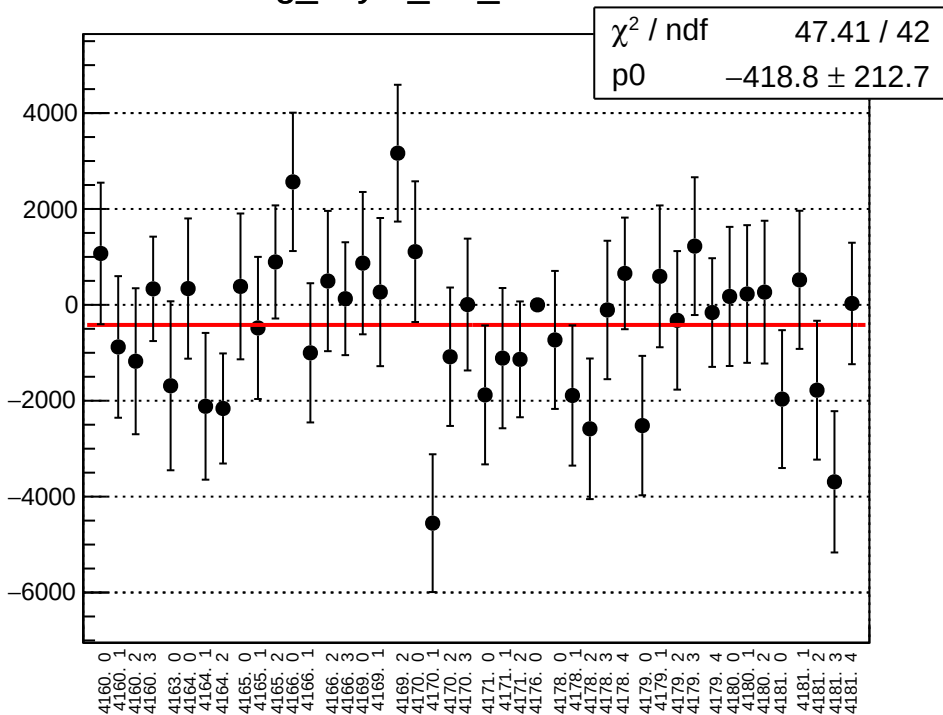
asym\_usr\_mean vs run



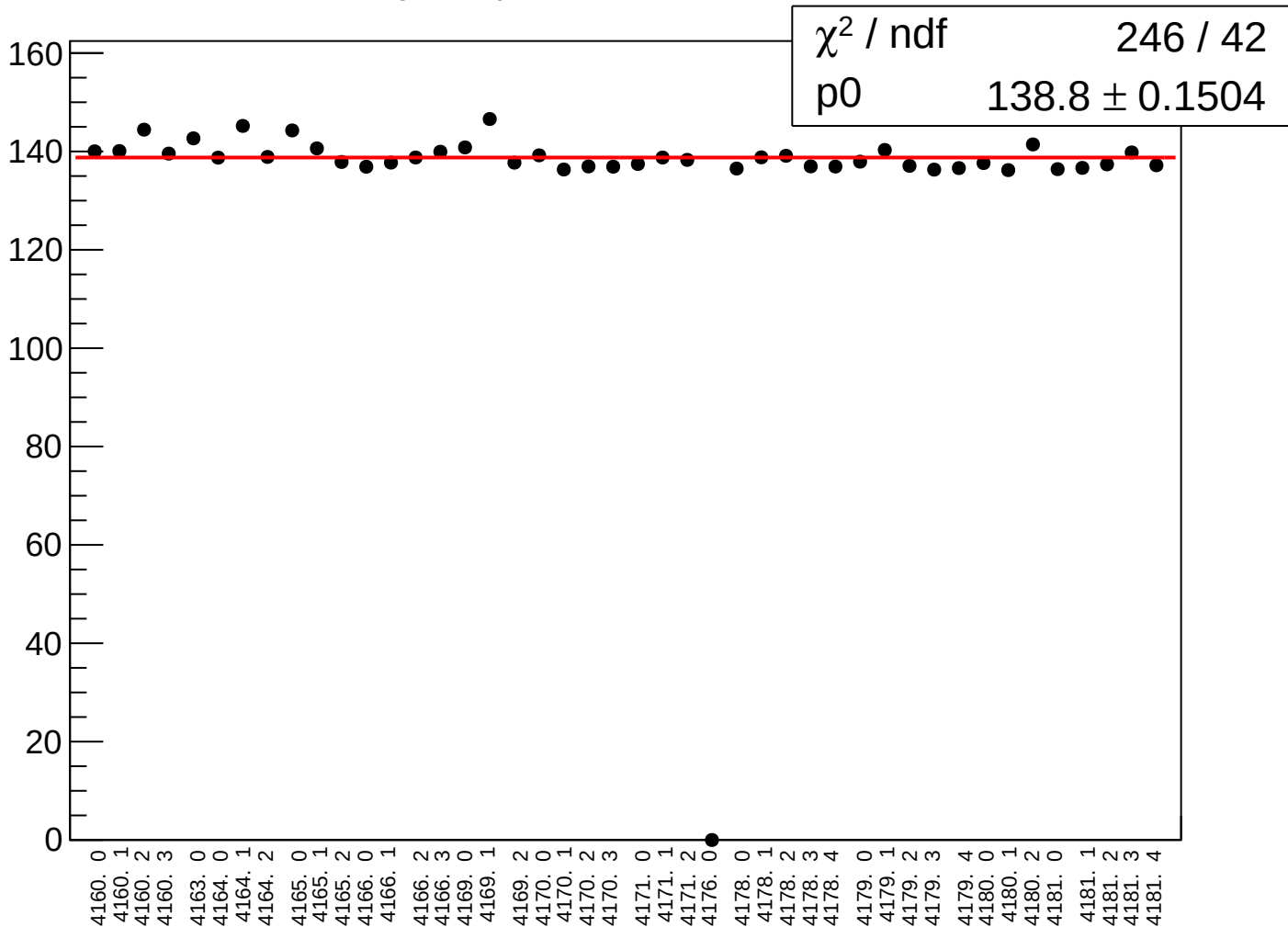
# asym\_usr\_rms vs run



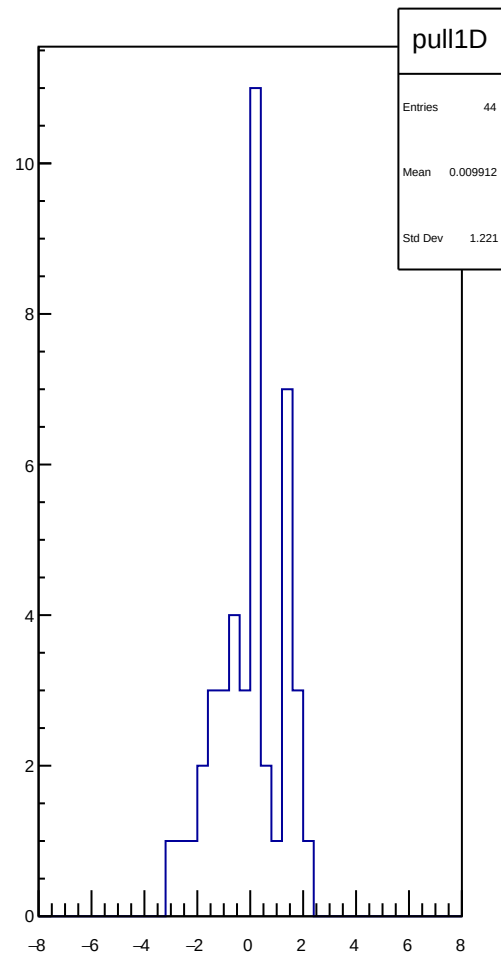
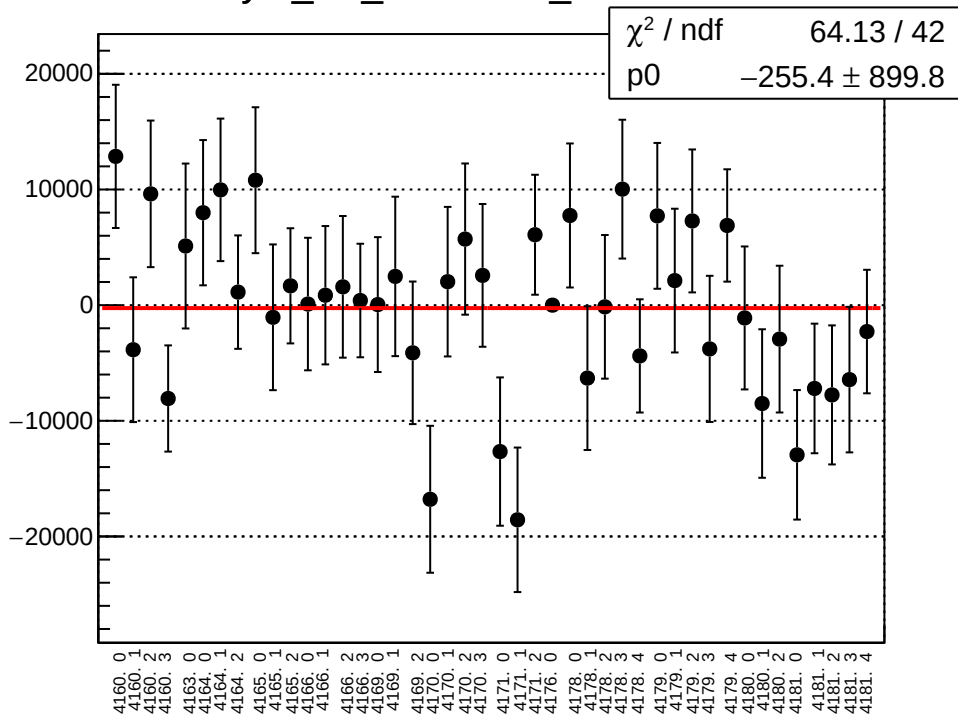
# reg\_asym\_dsl\_mean vs run



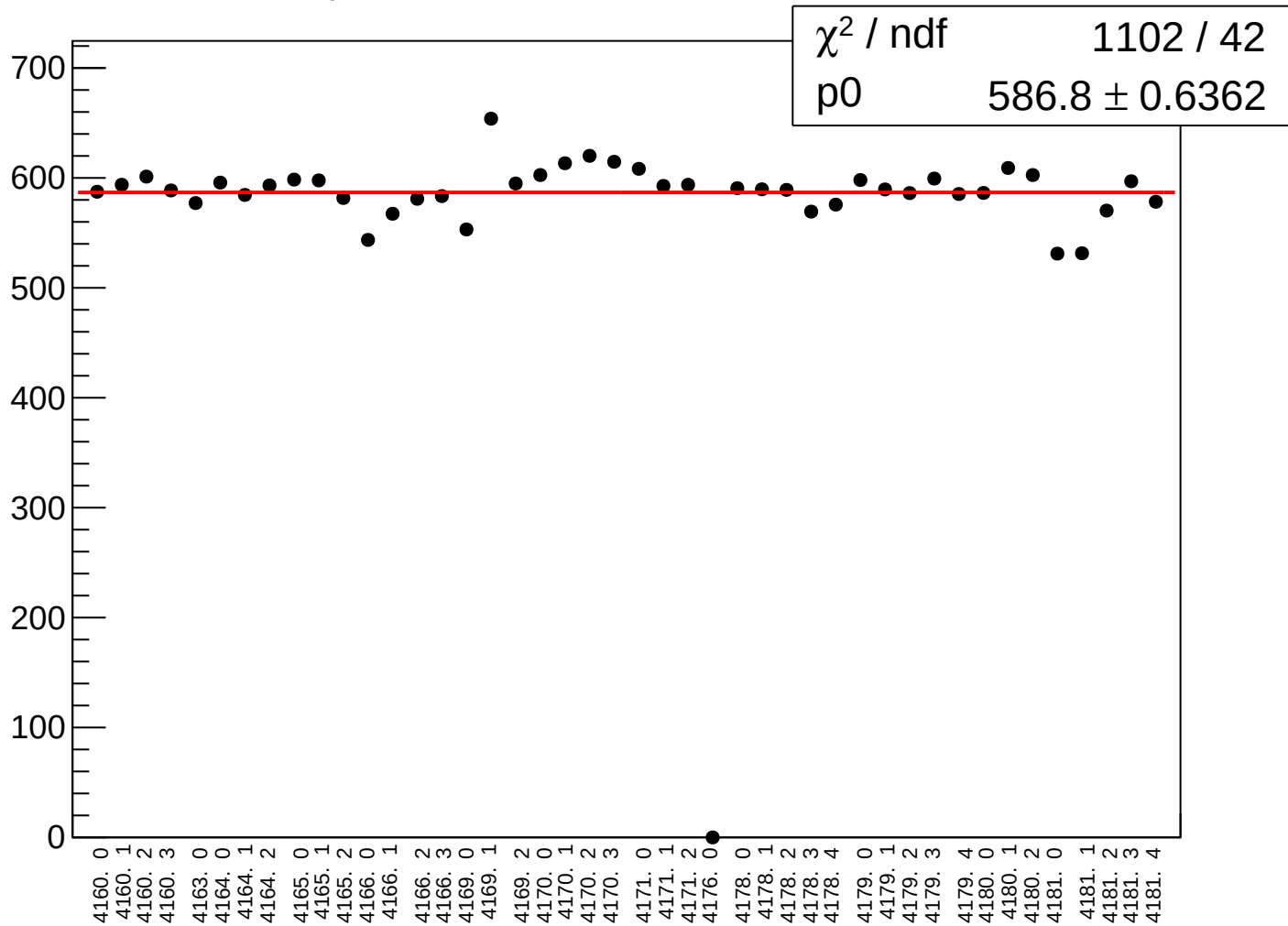
# reg\_asym\_dsl\_rms vs run



asym\_dsl\_correction\_mean vs run

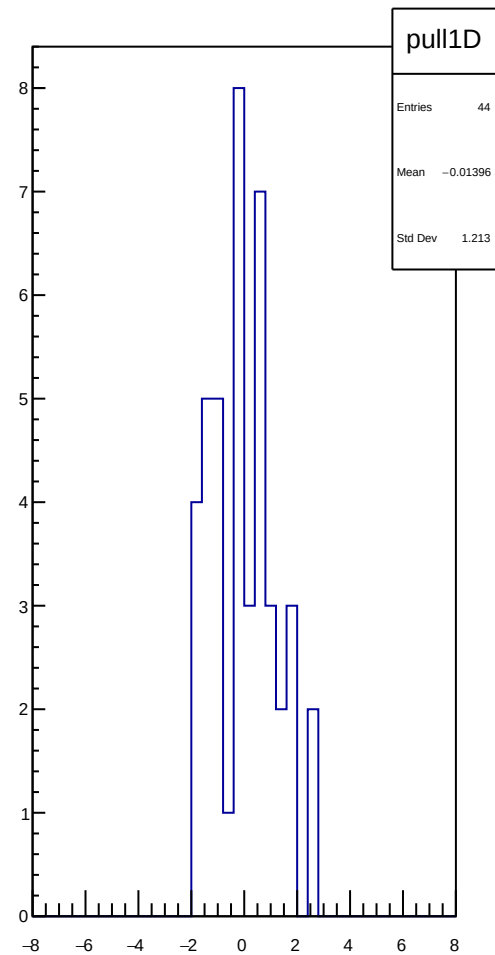
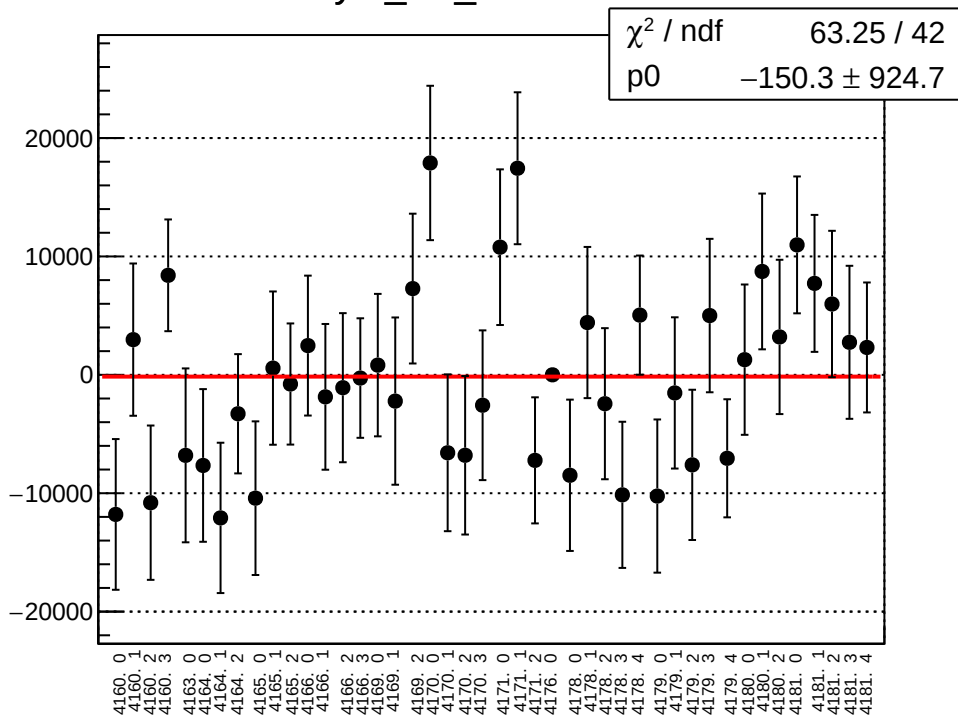


# asym\_dsl\_correction\_rms vs run

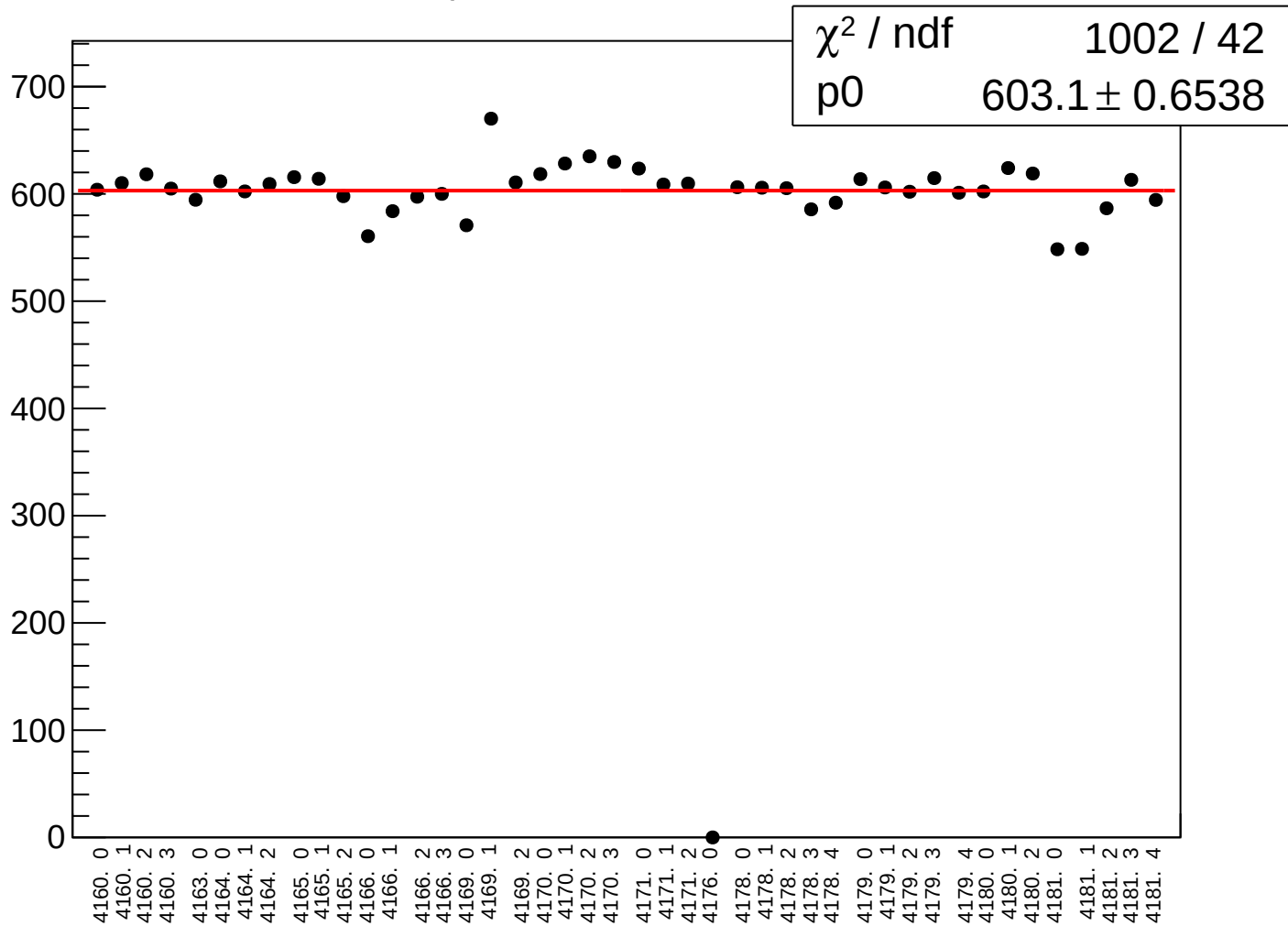




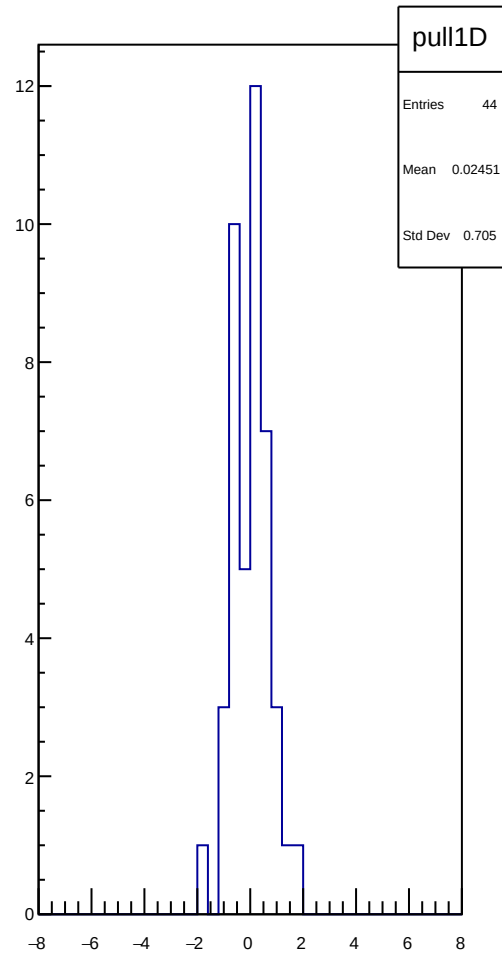
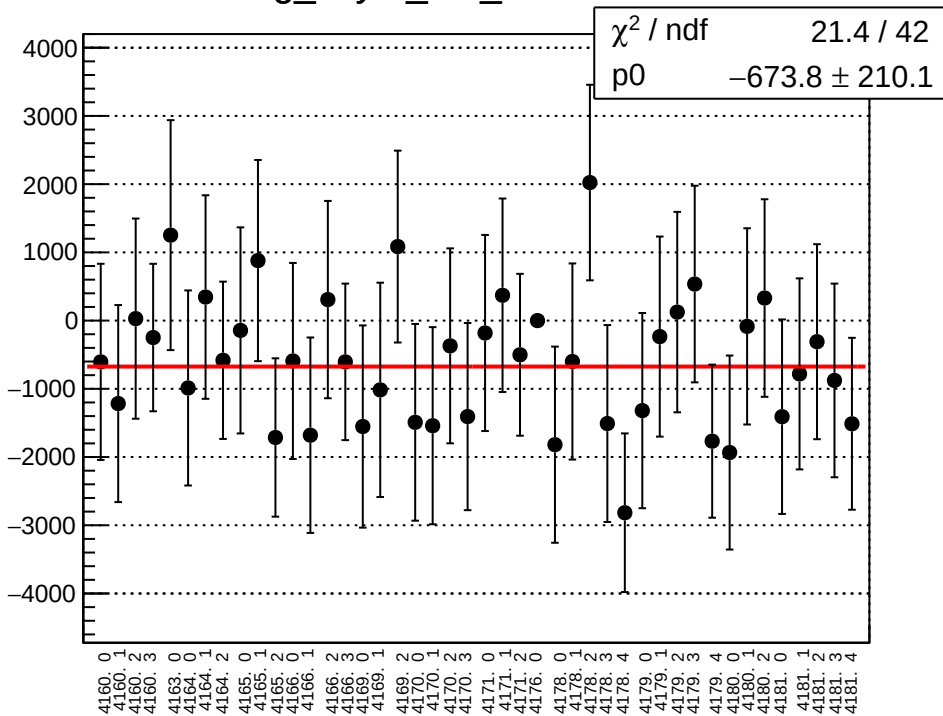
asym\_dsl\_mean vs run



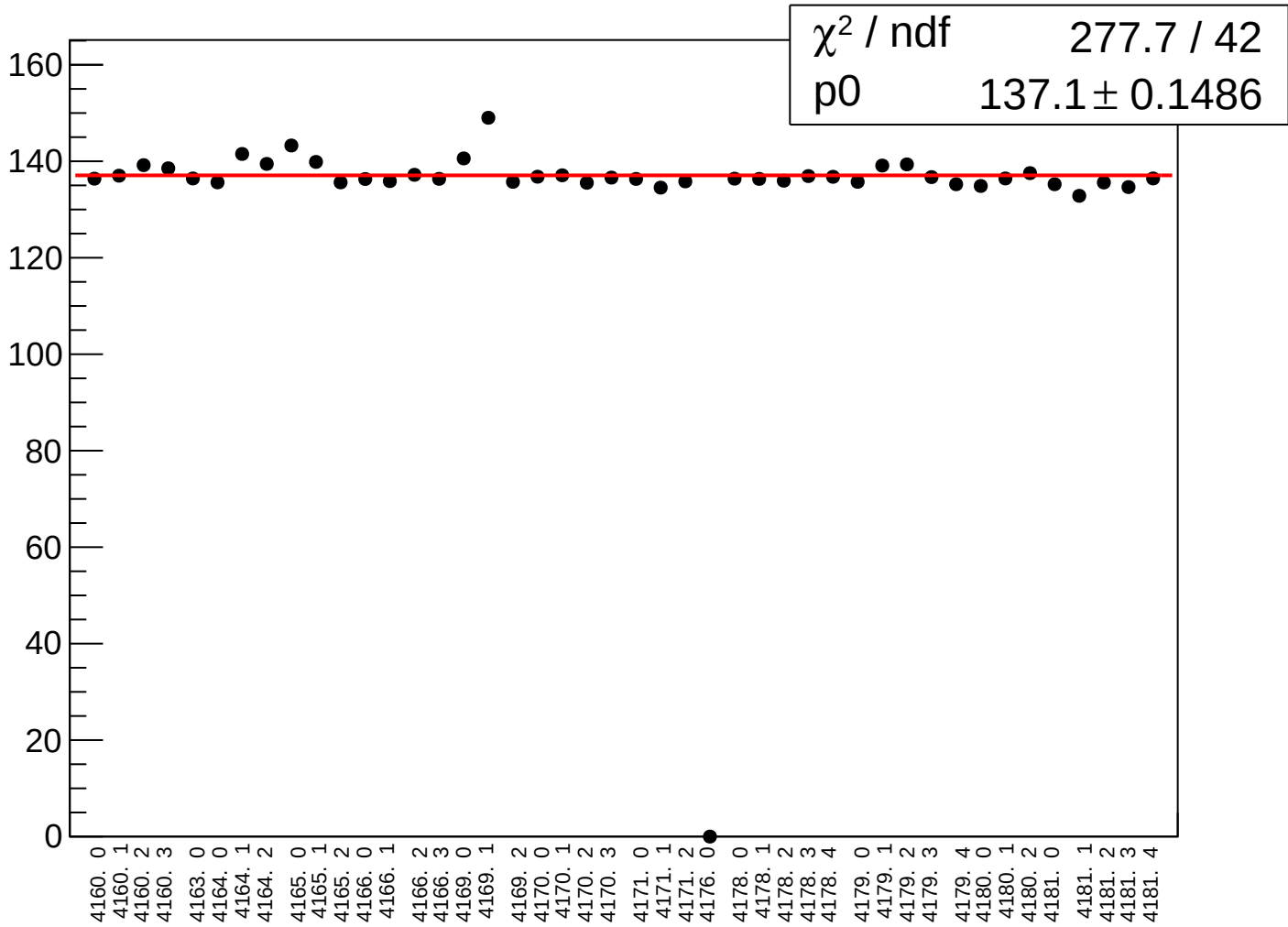
# asym\_dsl\_rms vs run



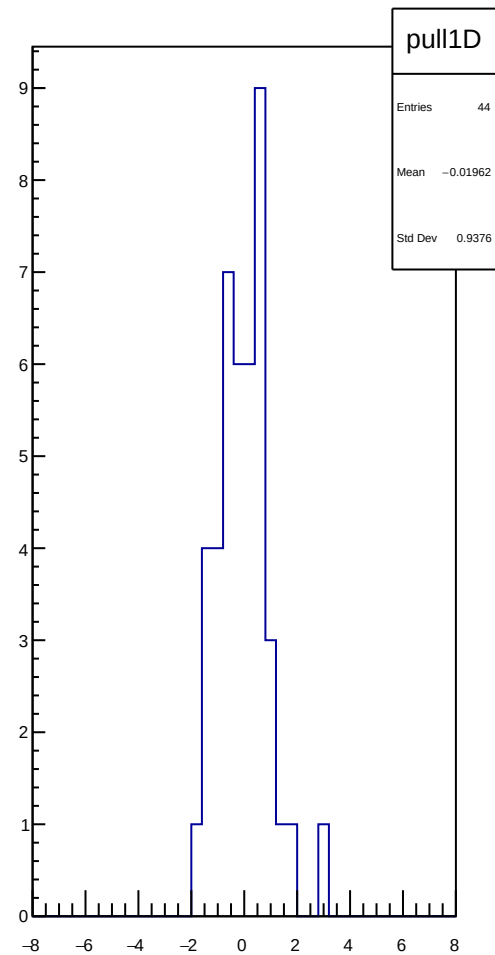
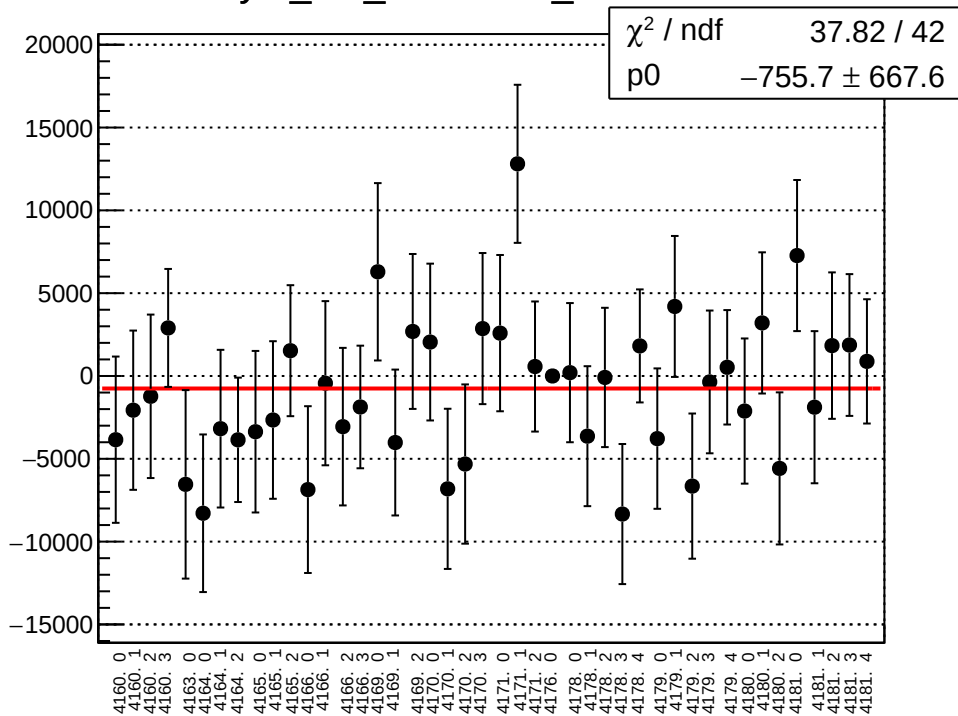
# reg\_asym\_dsr\_mean vs run



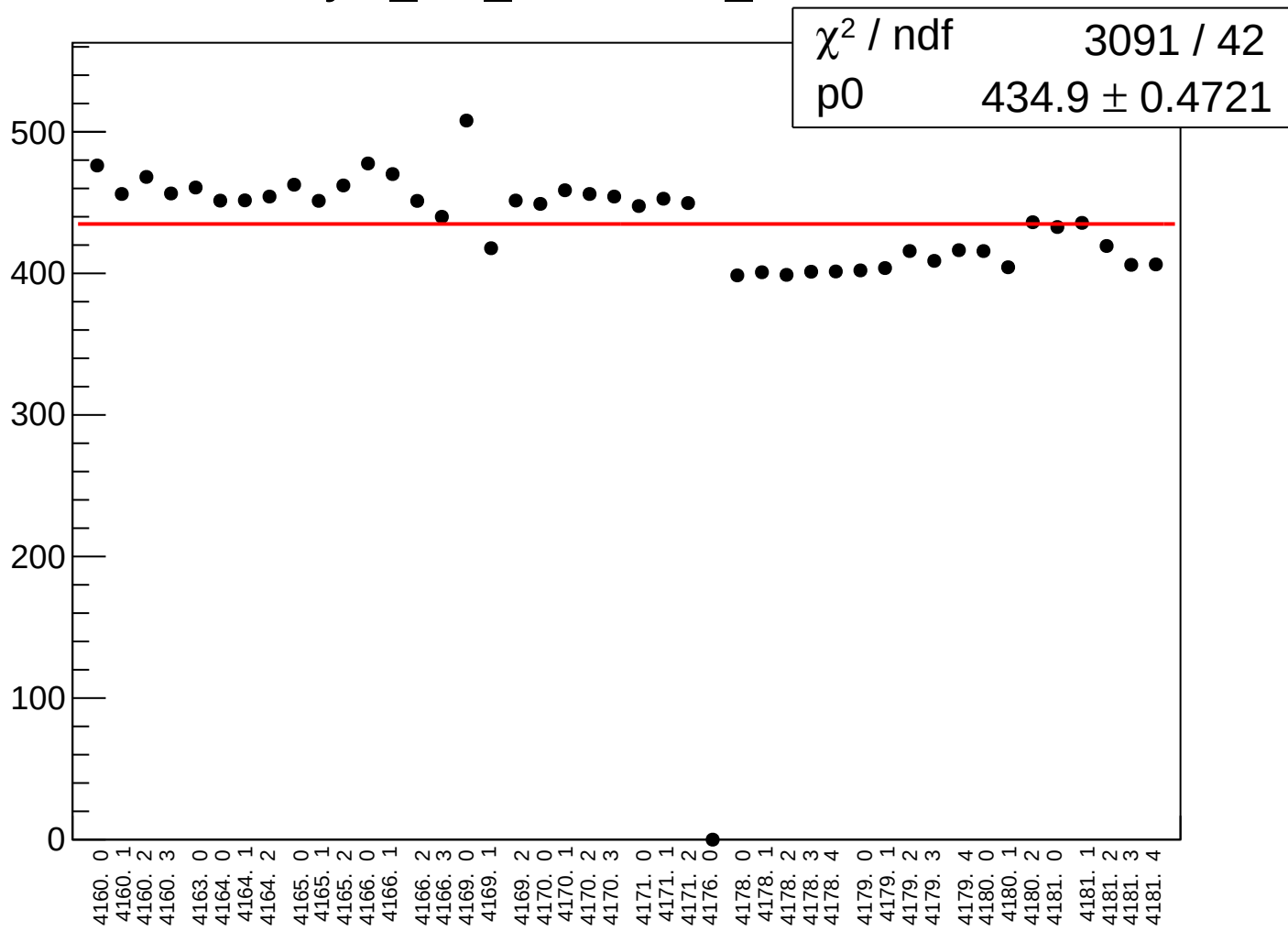
# reg\_asym\_dsr\_rms vs run



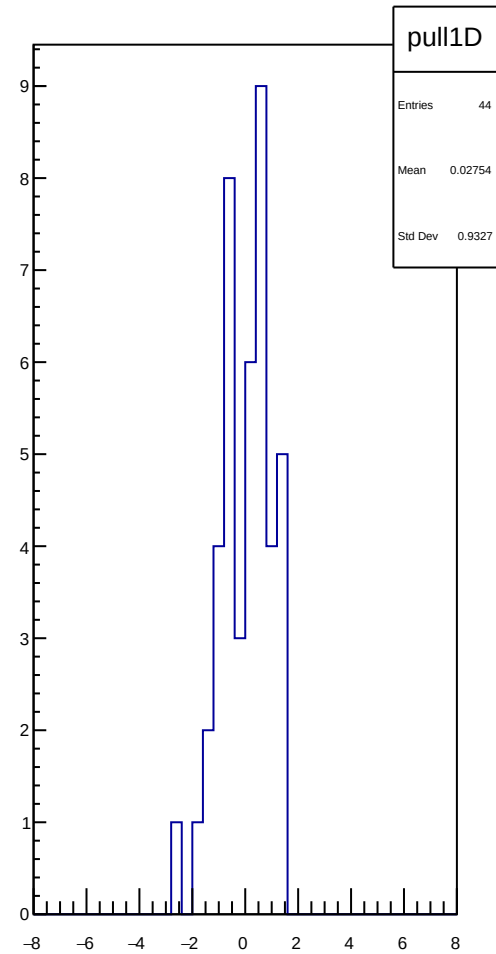
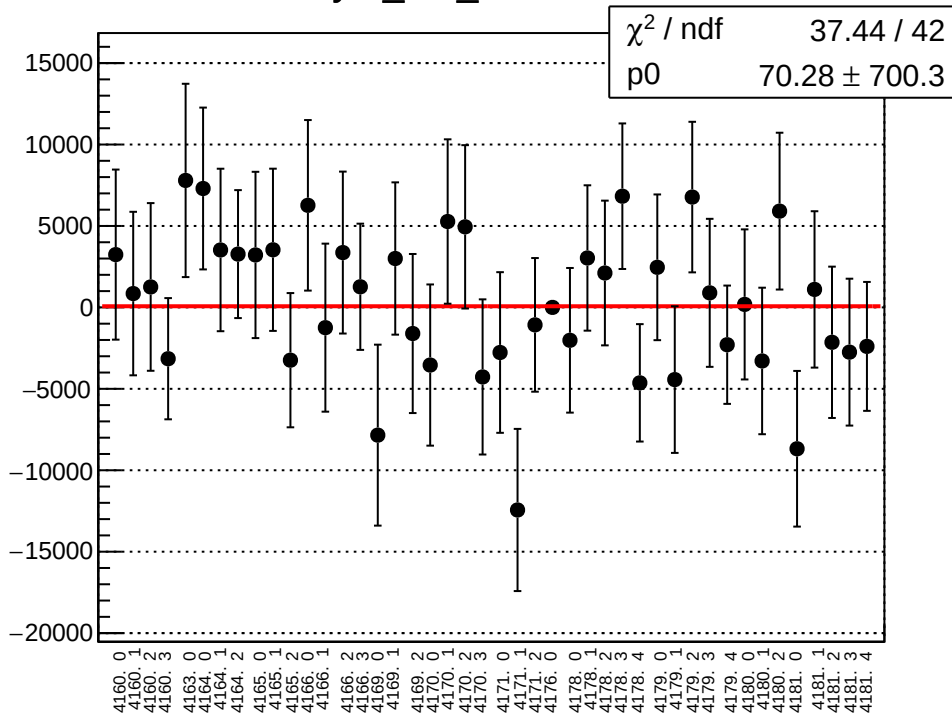
asym\_dsr\_correction\_mean vs run



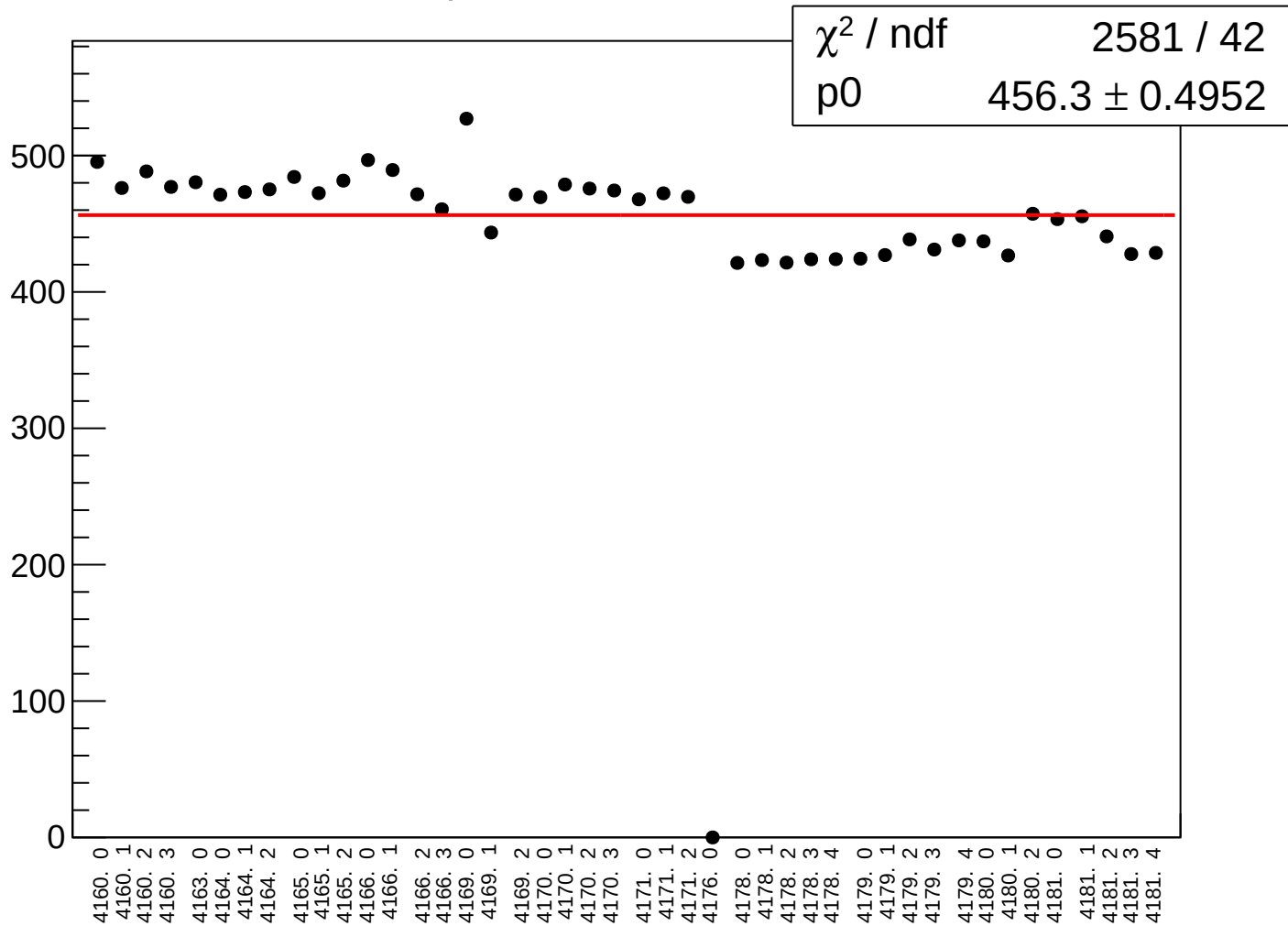
# asym\_dsr\_correction\_rms vs run



# asym\_dsr\_mean vs run

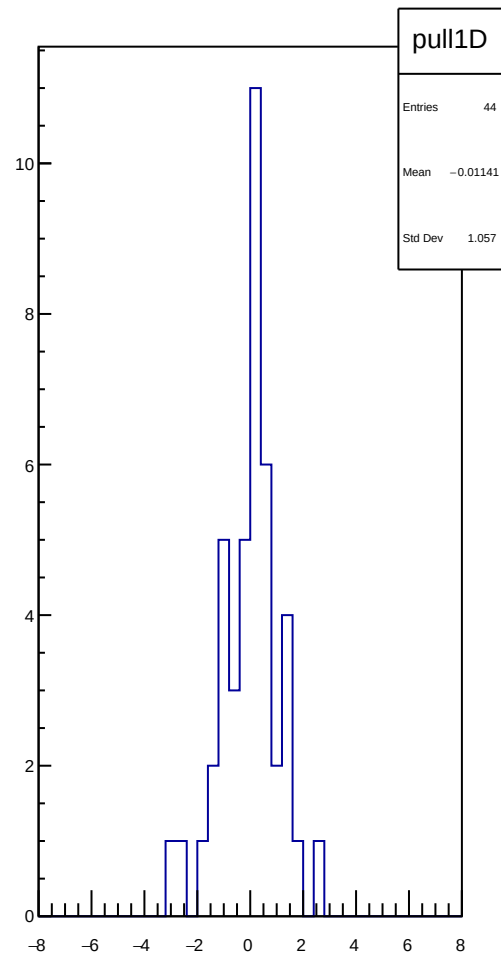
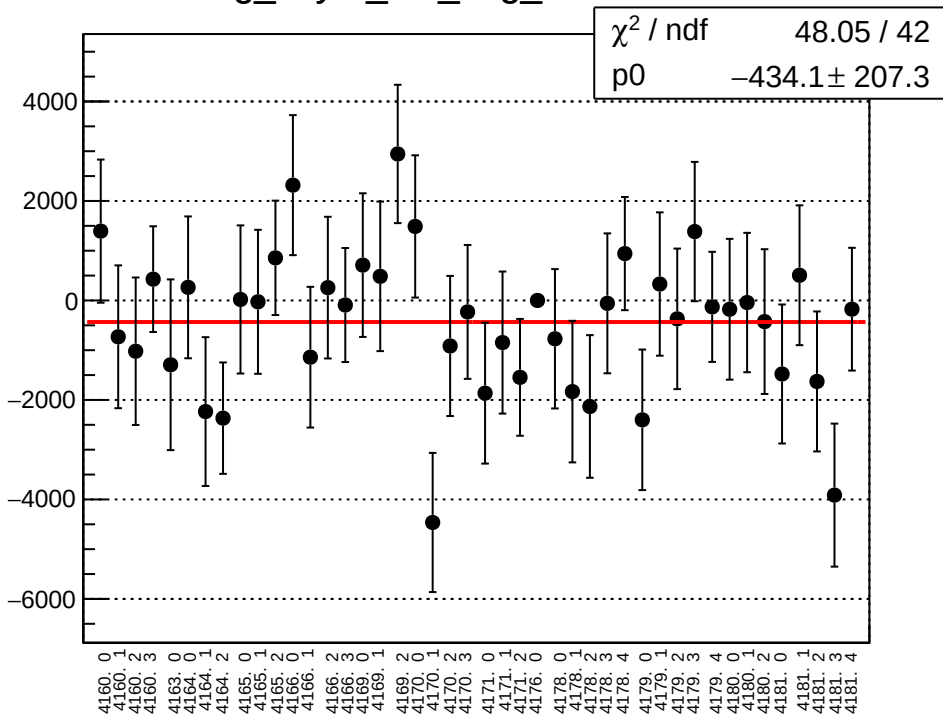


# asym\_dsr\_rms vs run

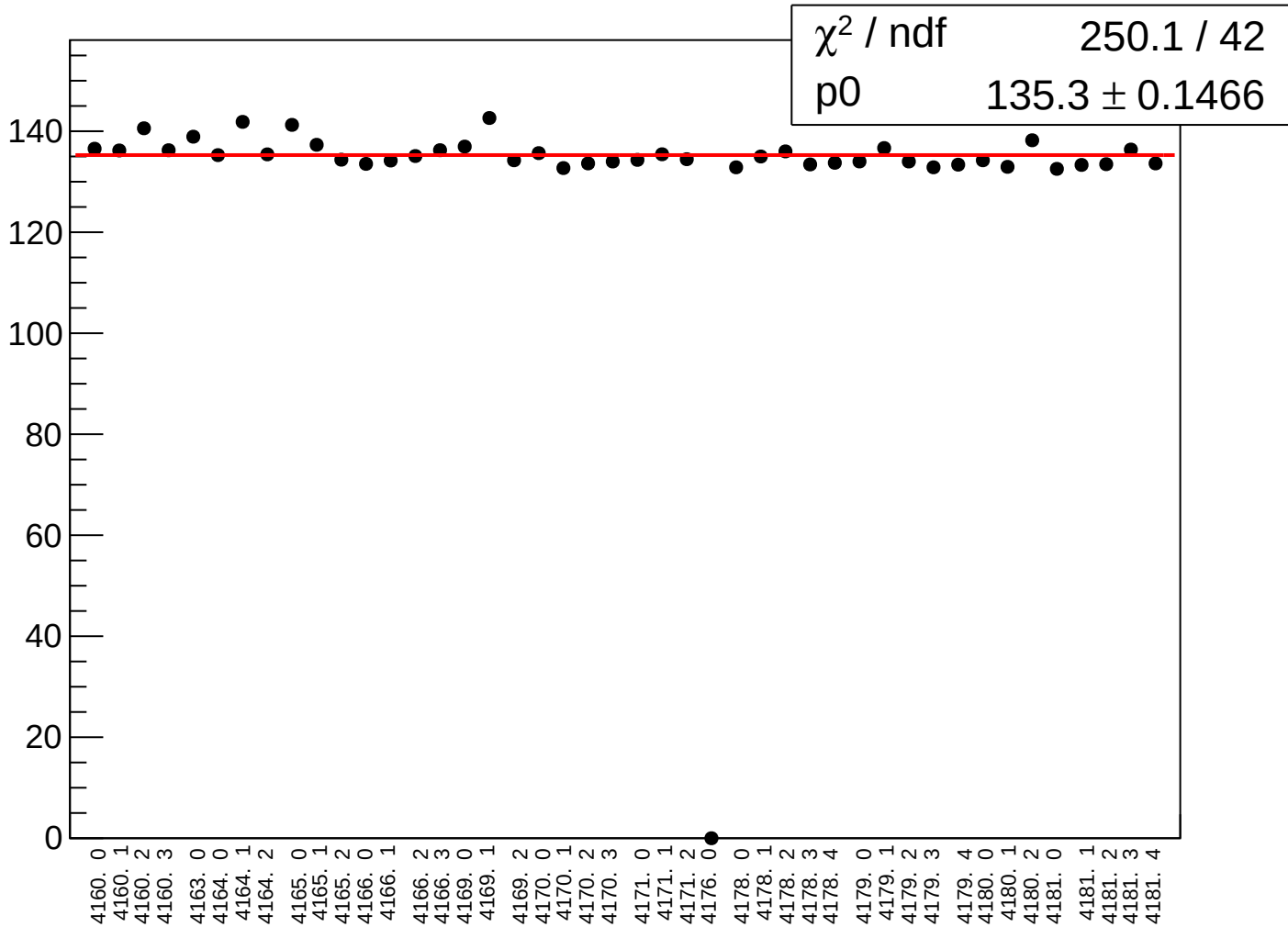




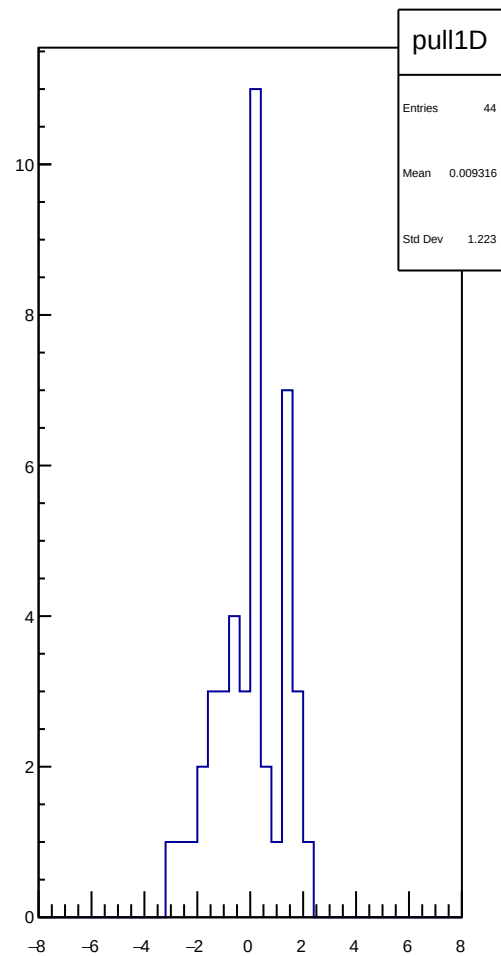
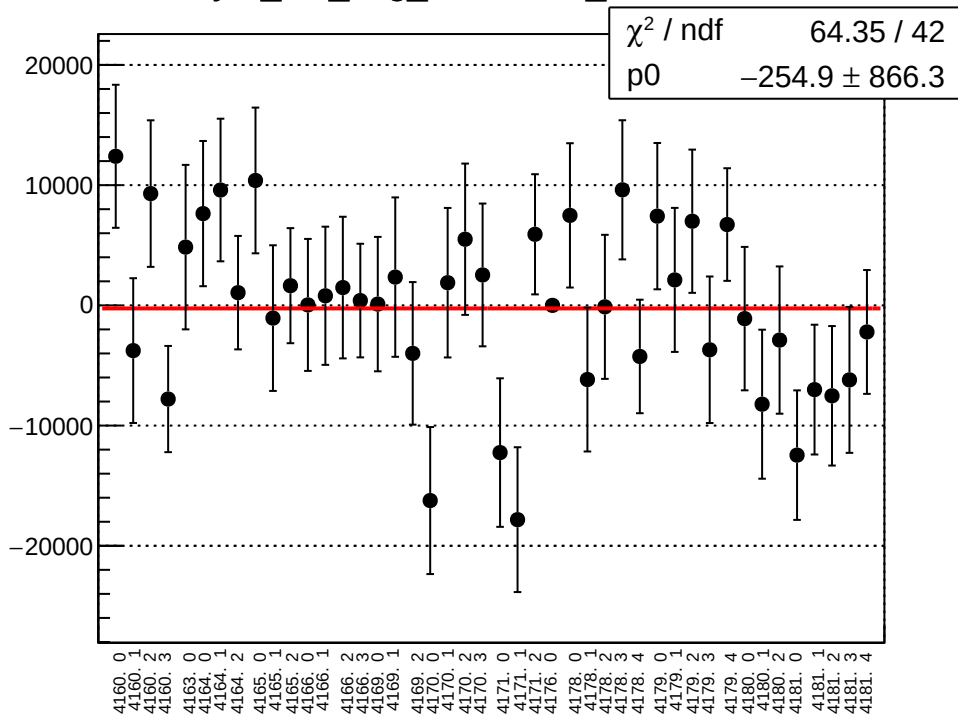
# reg\_asym\_left\_avg\_mean vs run



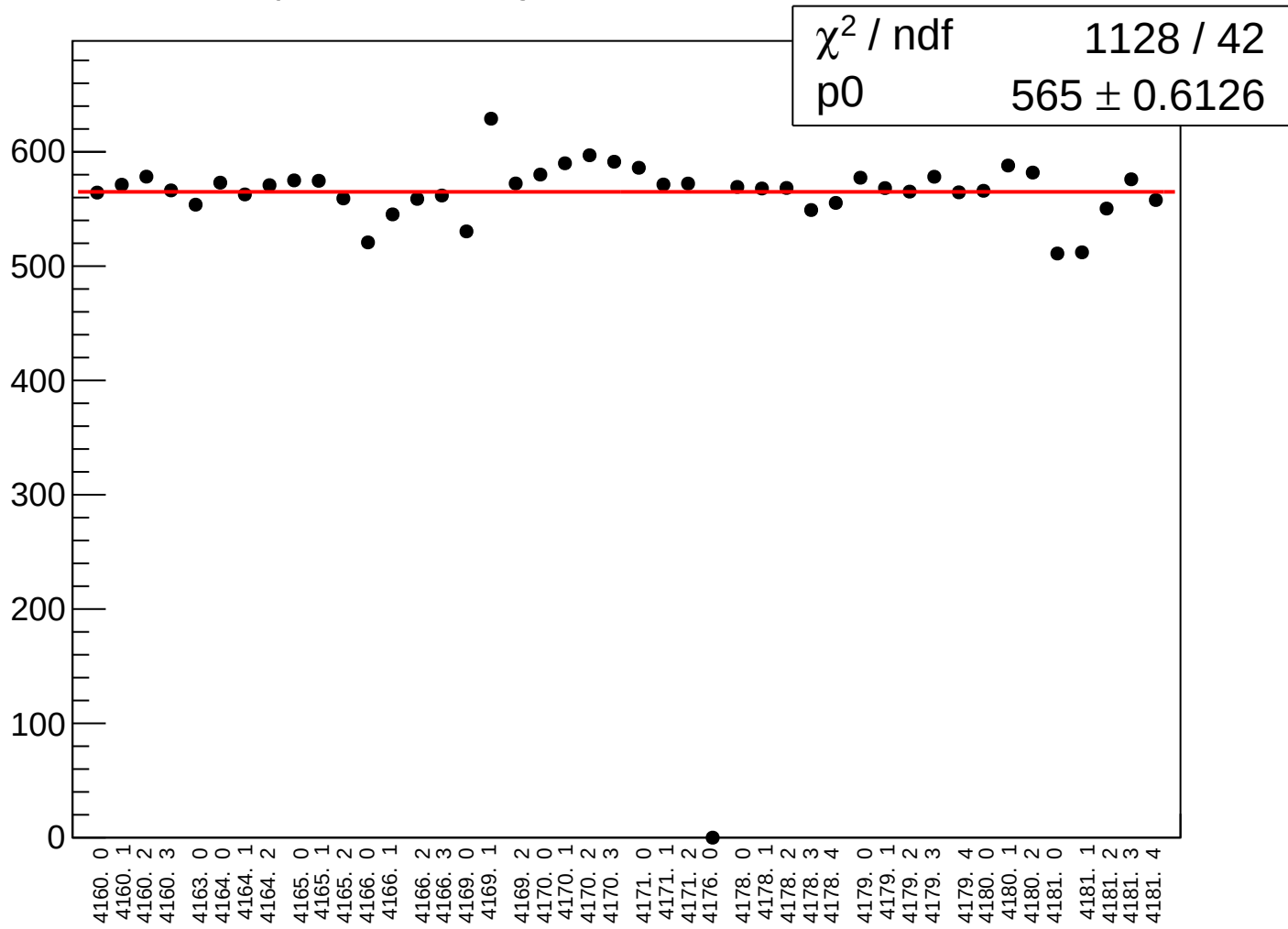
# reg\_asym\_left\_avg\_rms vs run



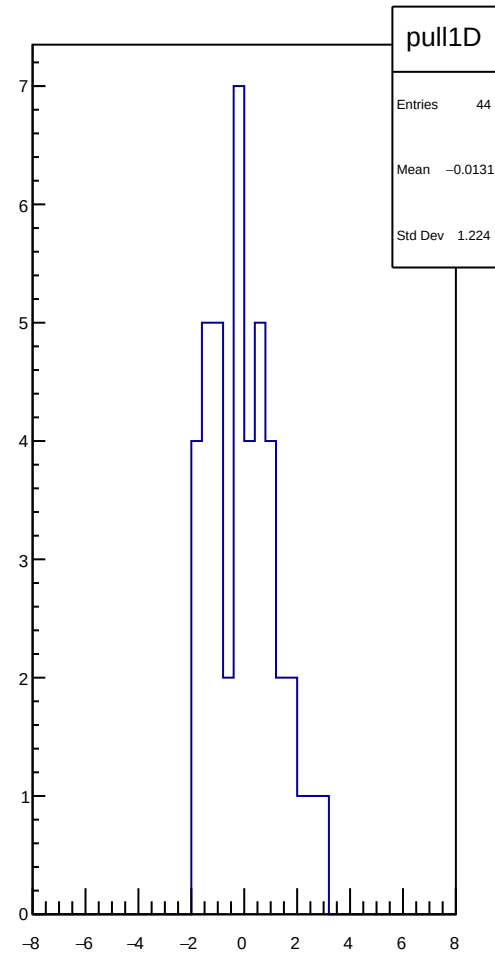
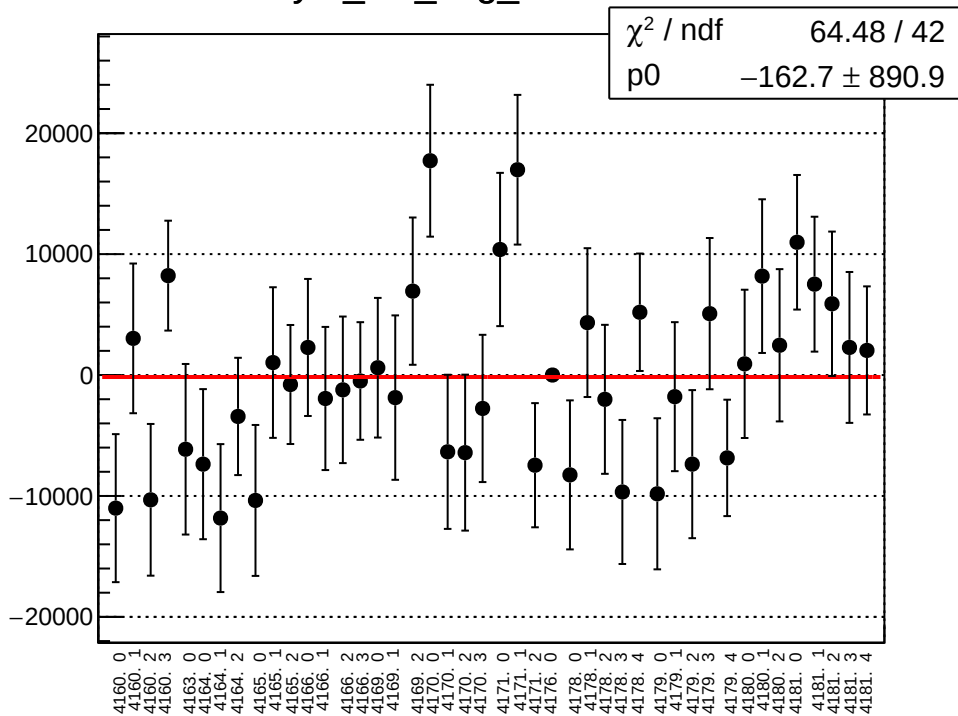
asym\_left\_avg\_correction\_mean vs run



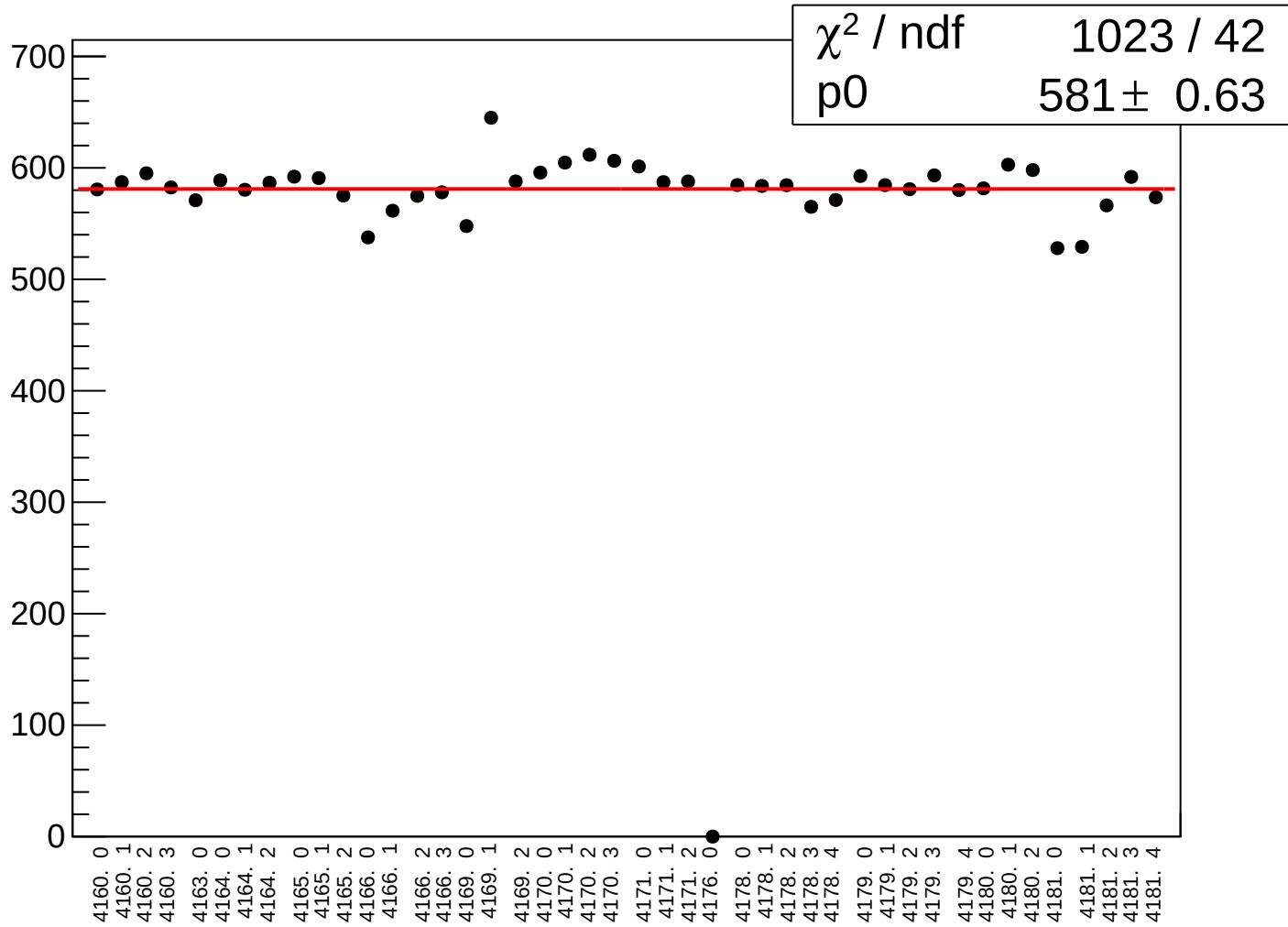
# asym\_left\_avg\_correction\_rms vs run



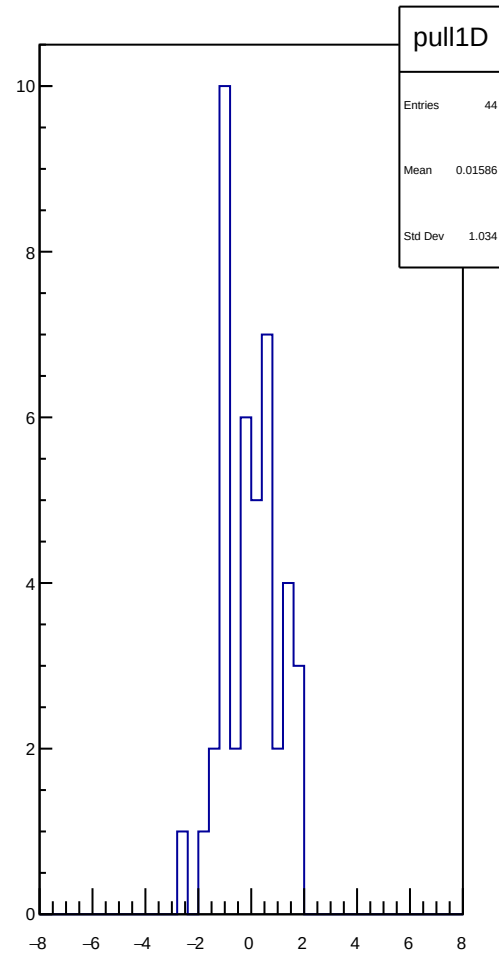
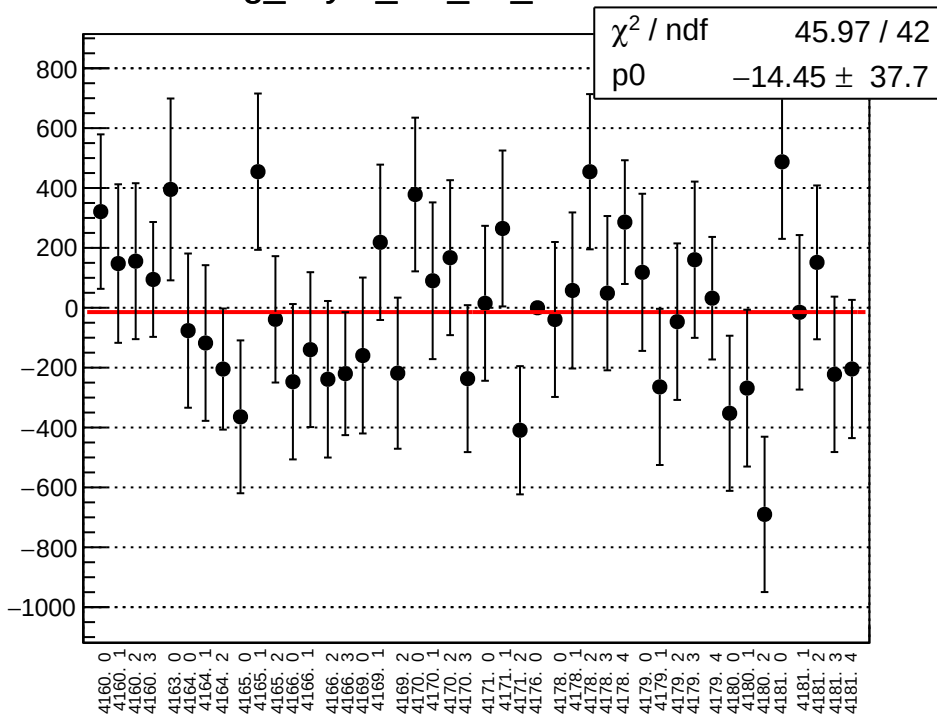
asym\_left\_avg\_mean vs run



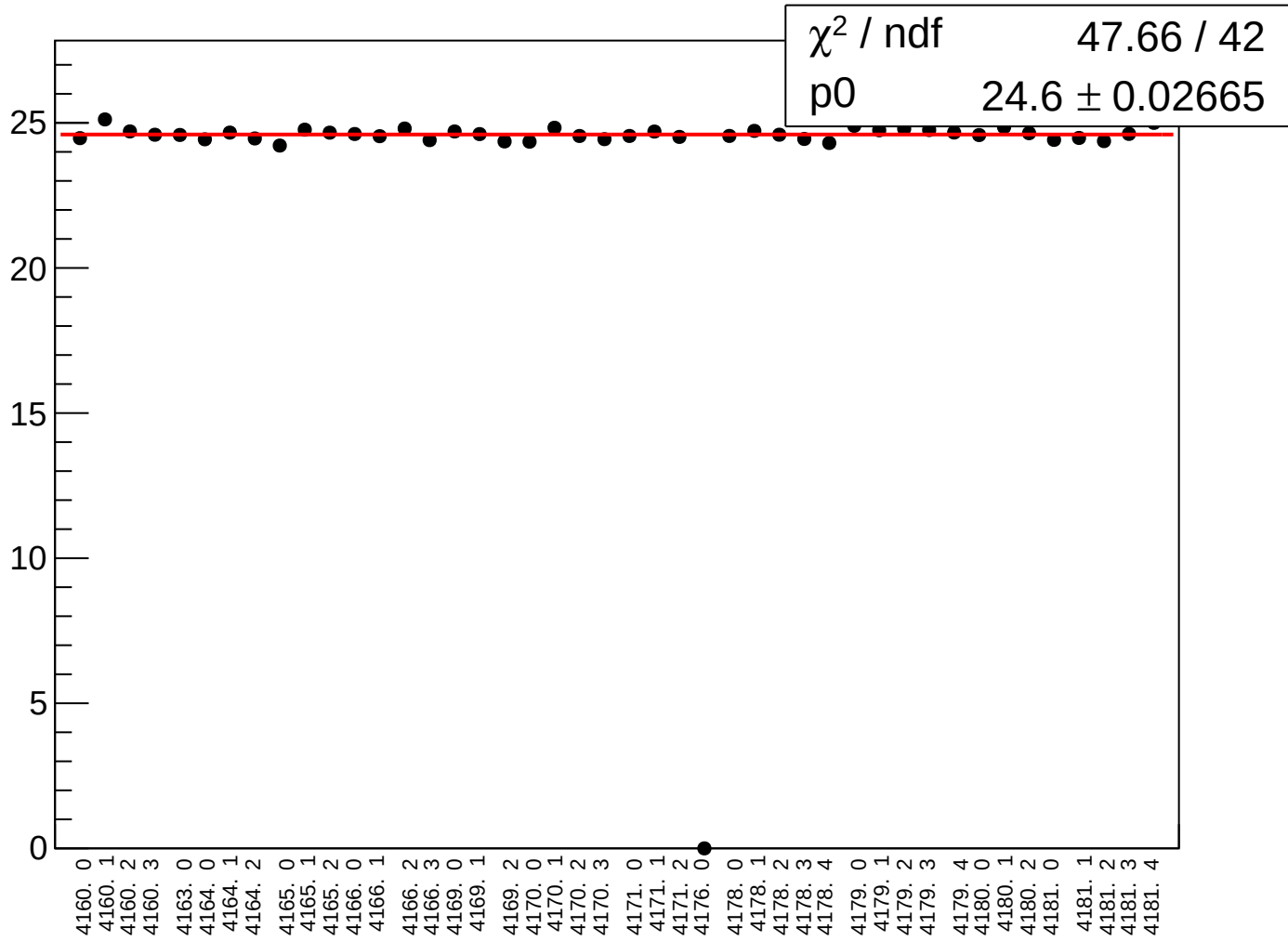
# asym\_left\_avg\_rms vs run



# reg\_asym\_left\_dd\_mean vs run

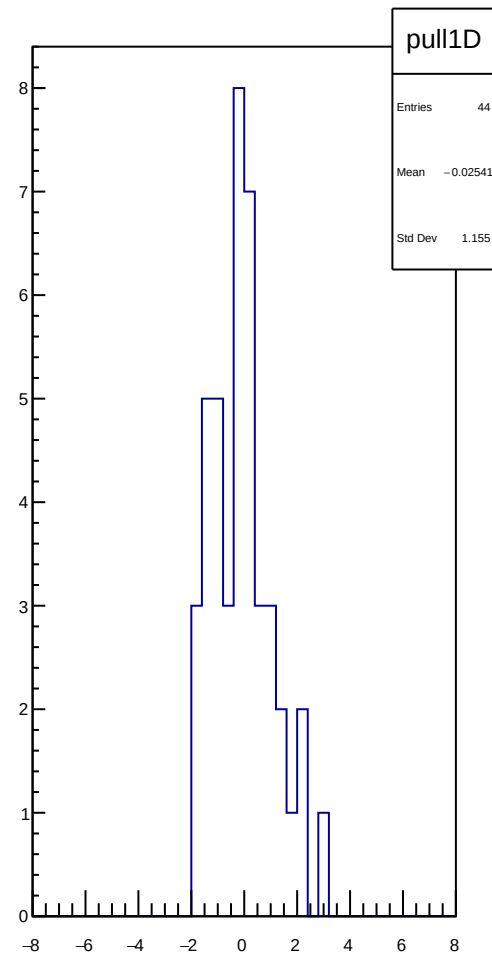
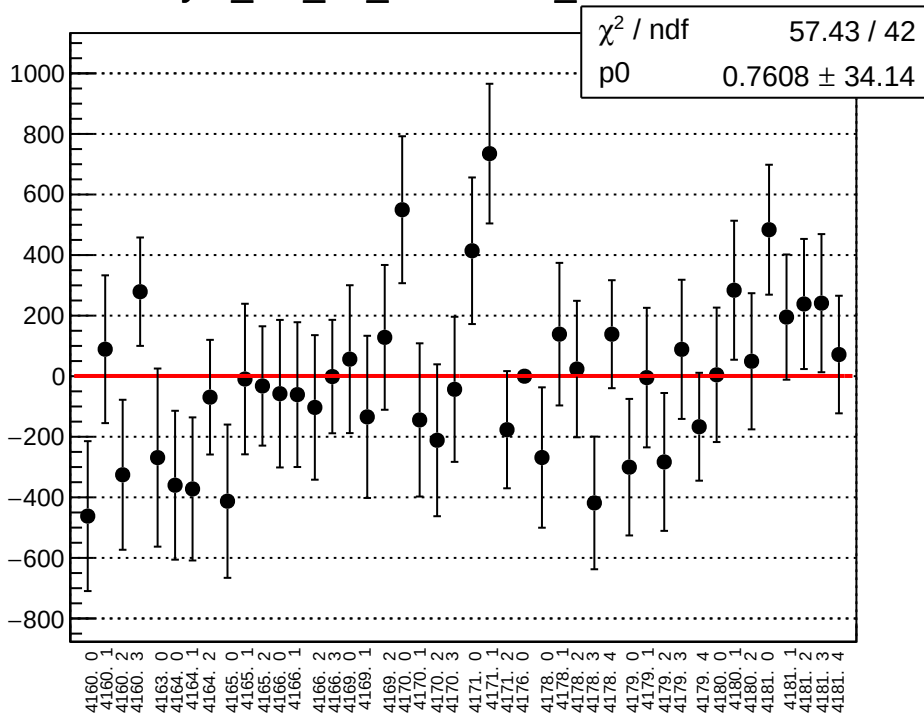


# reg\_asym\_left\_dd\_rms vs run





# asym\_left\_dd\_correction\_mean vs run

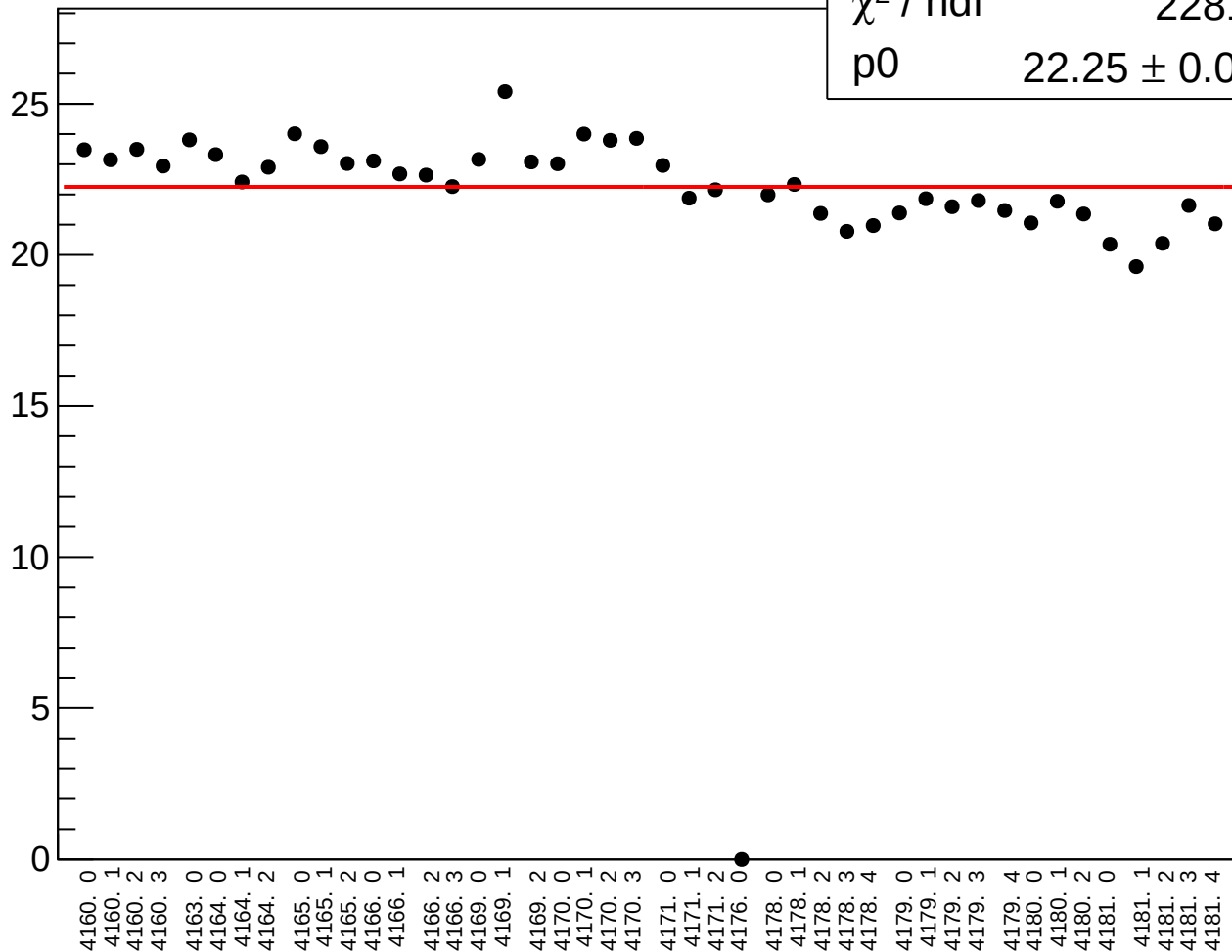


# asym\_left\_dd\_correction\_rms vs run

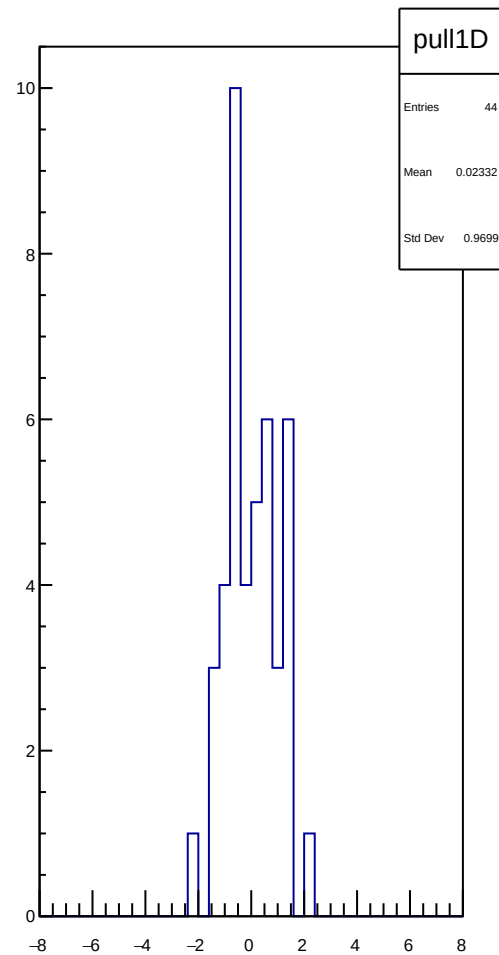
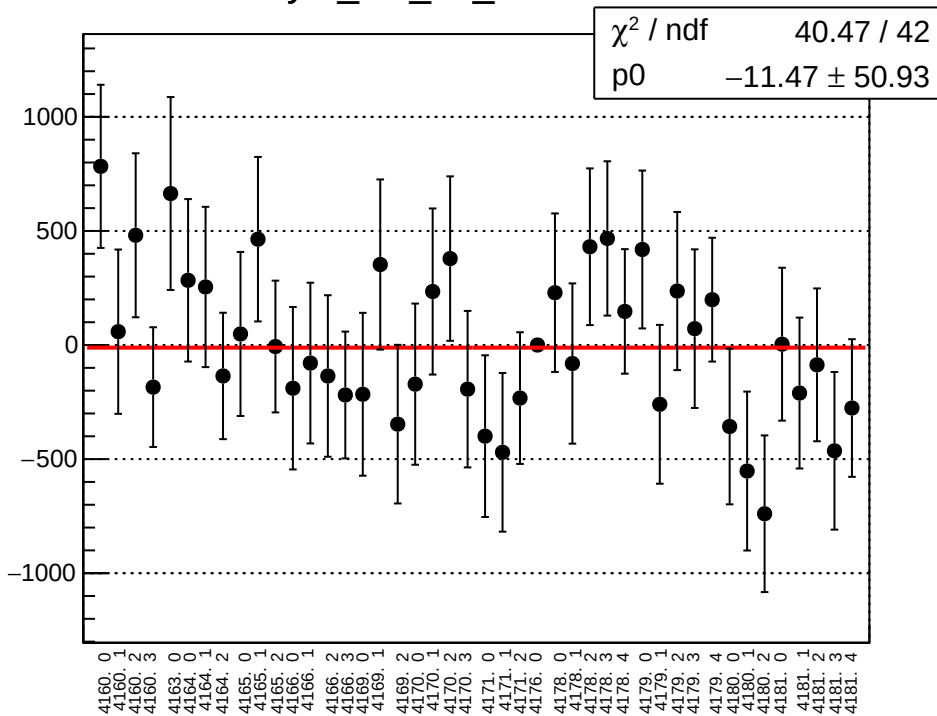
 $\chi^2 / \text{ndf}$ 

2281 / 42

p0

 $22.25 \pm 0.02414$ 


asym\_left\_dd\_mean vs run

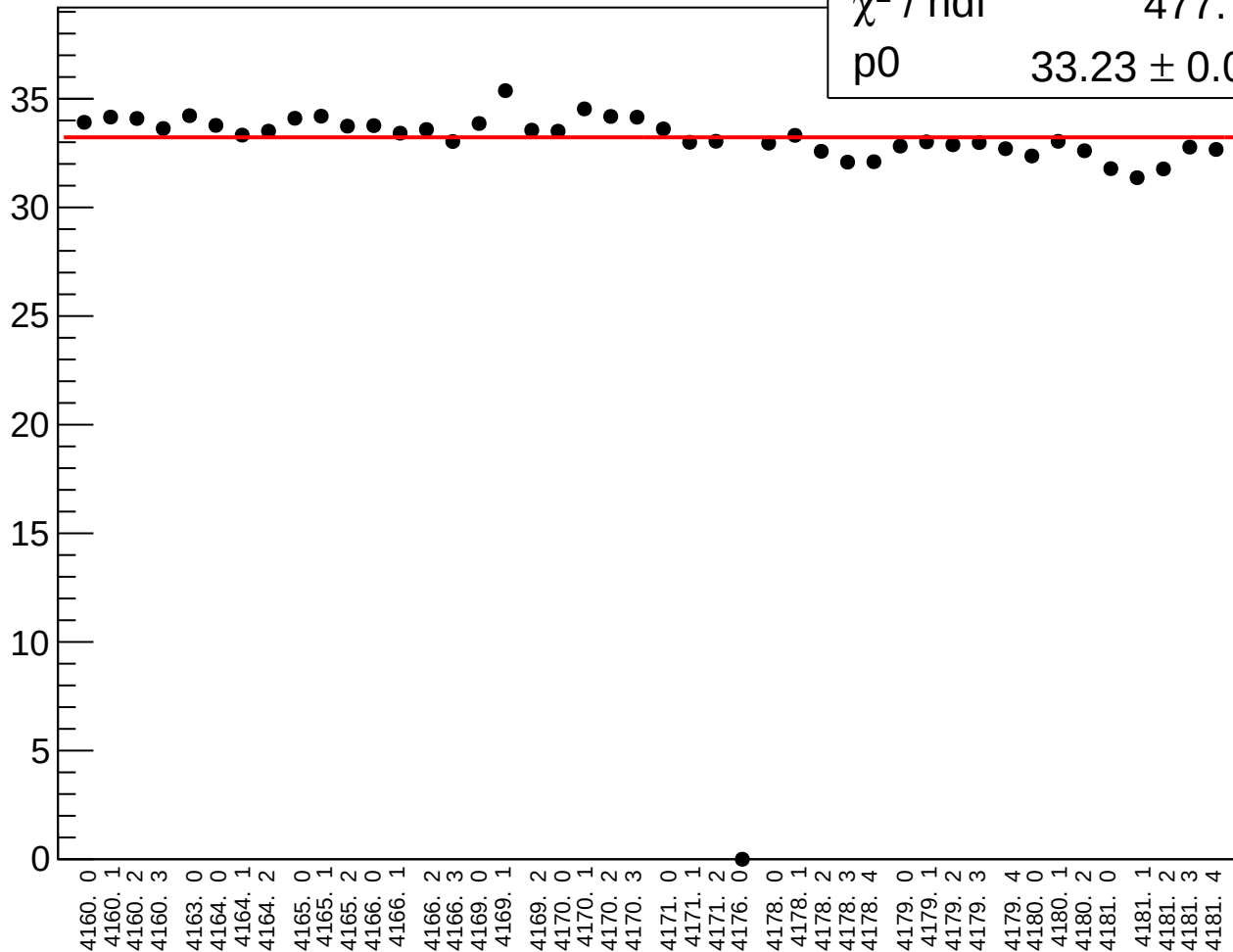


# asym\_left\_dd\_rms vs run

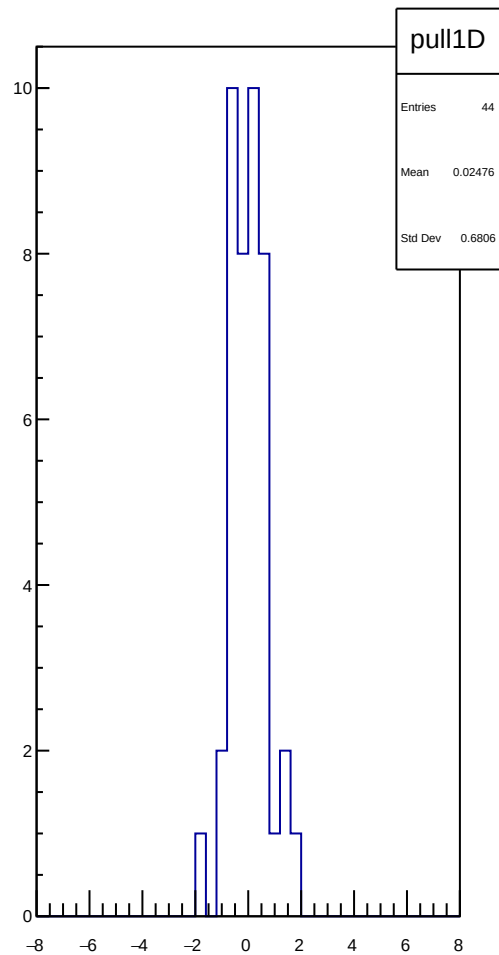
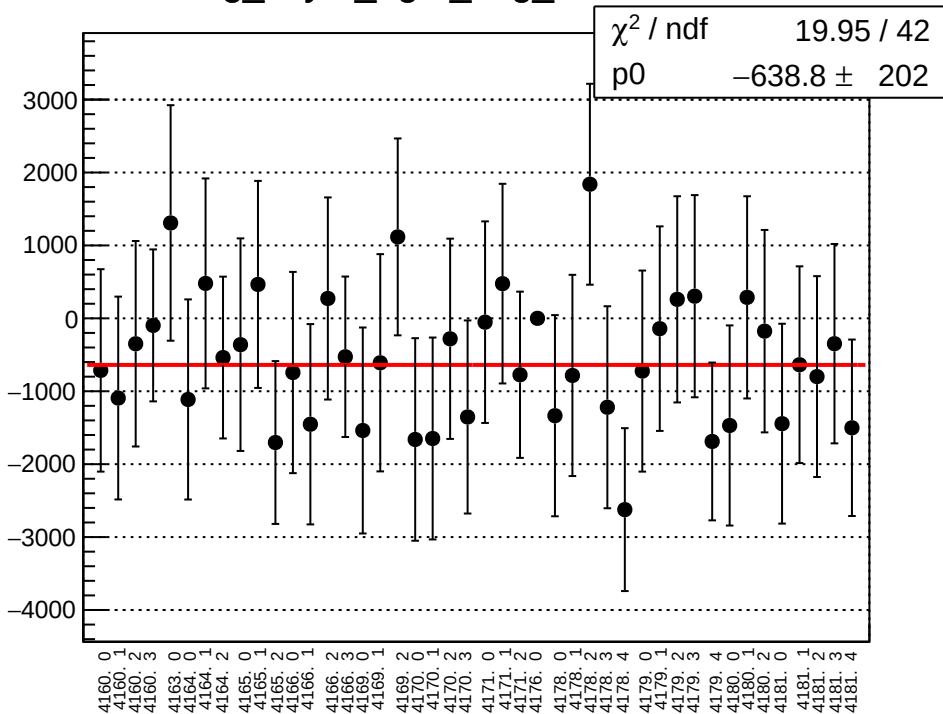
 $\chi^2 / \text{ndf}$ 

477.7 / 42

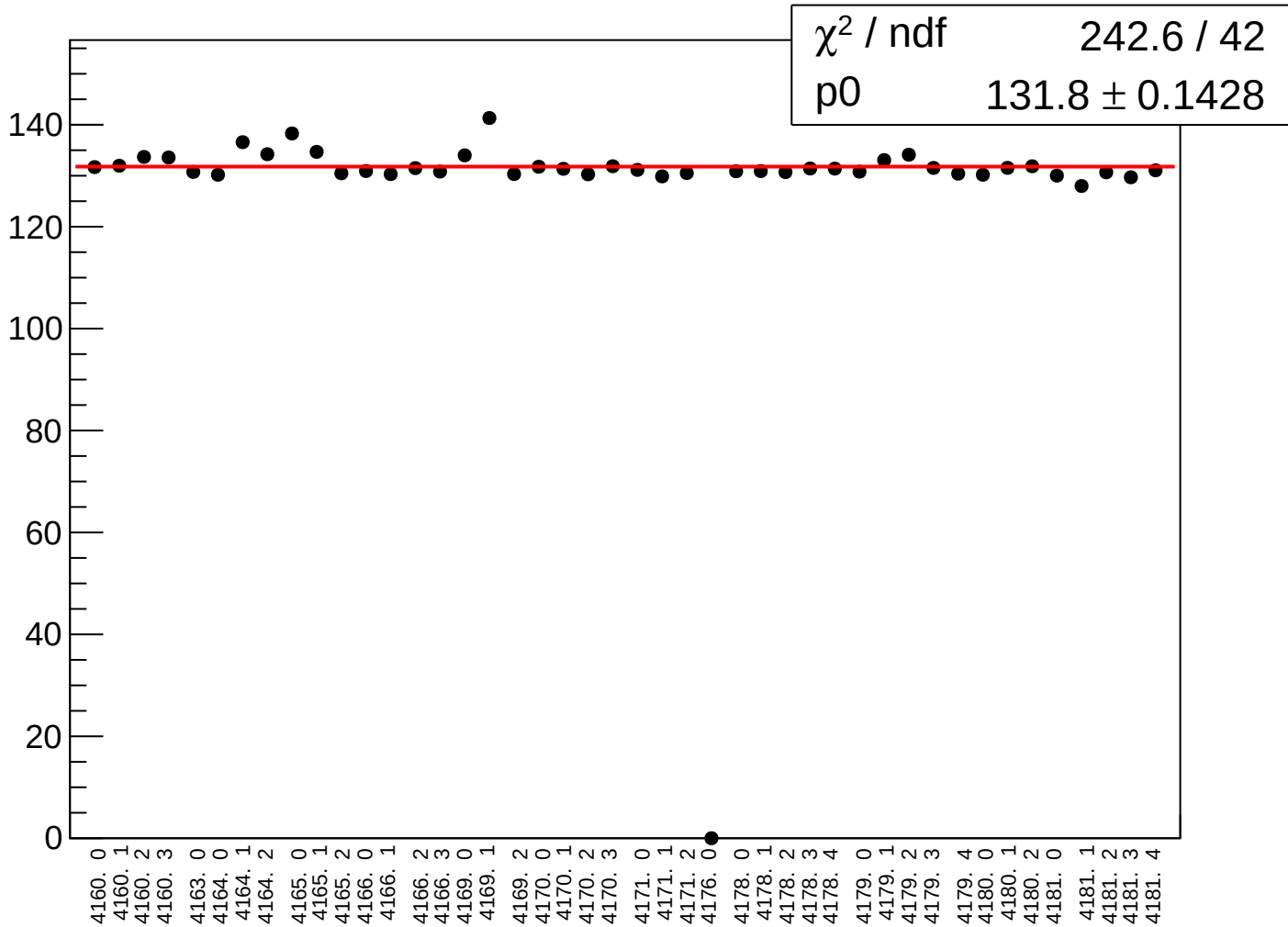
p0

 $33.23 \pm 0.03601$ 


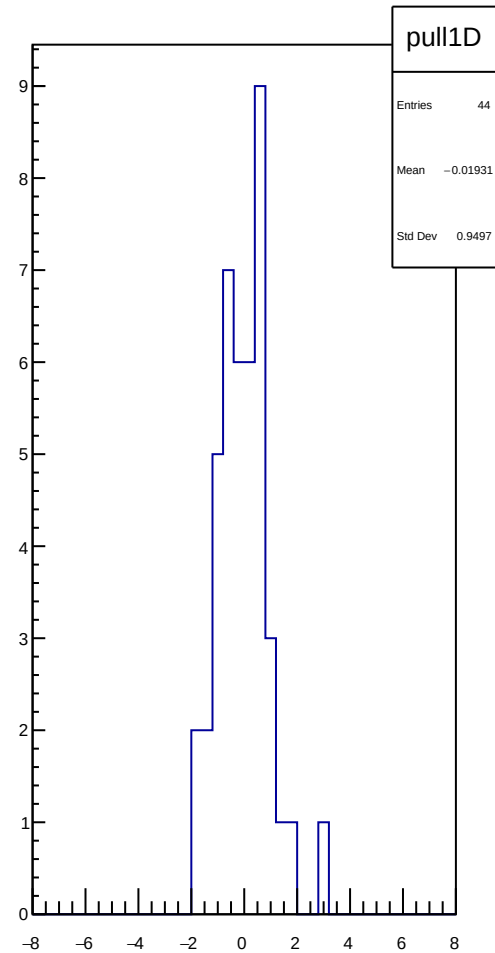
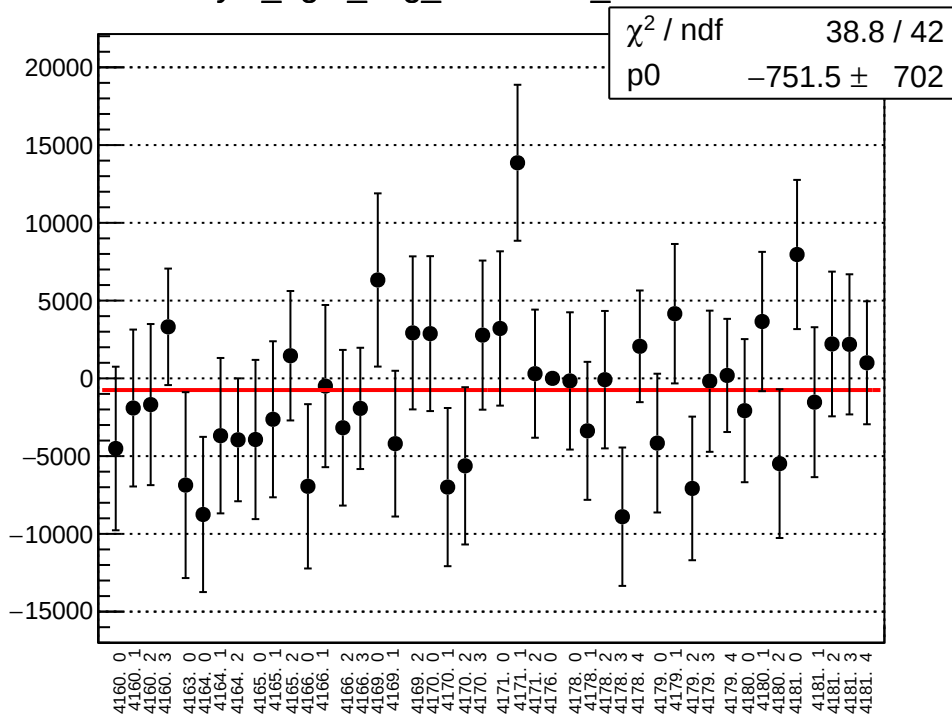
reg\_asym\_right\_avg\_mean vs run



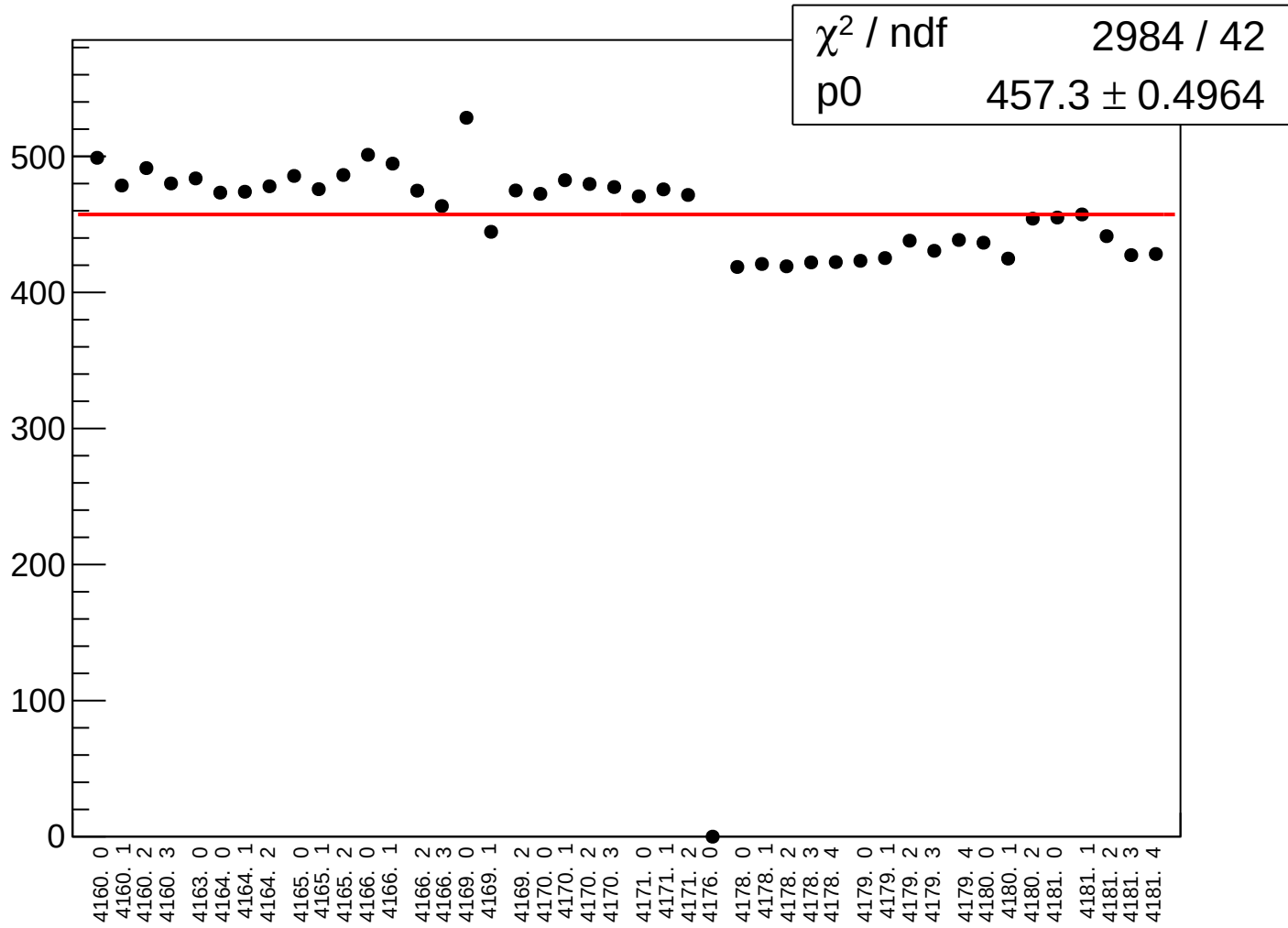
reg\_asym\_right\_avg\_rms vs run



asym\_right\_avg\_correction\_mean vs run

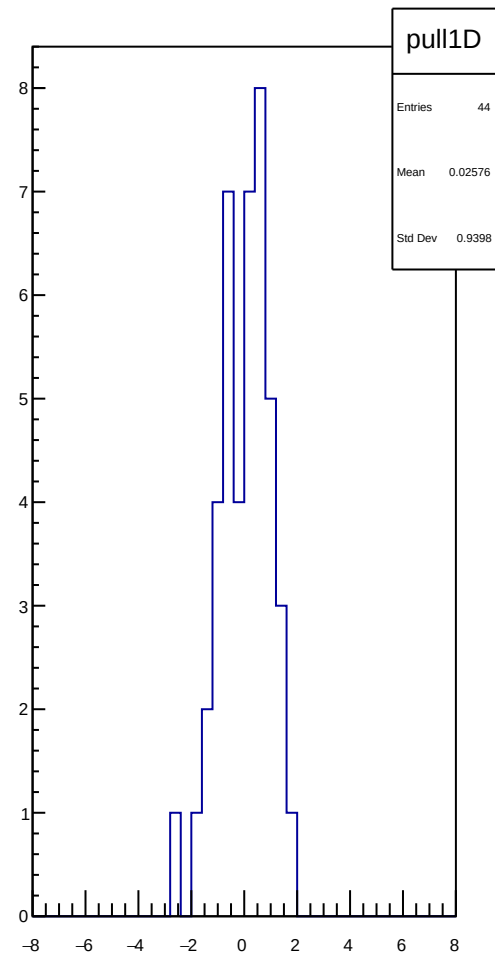
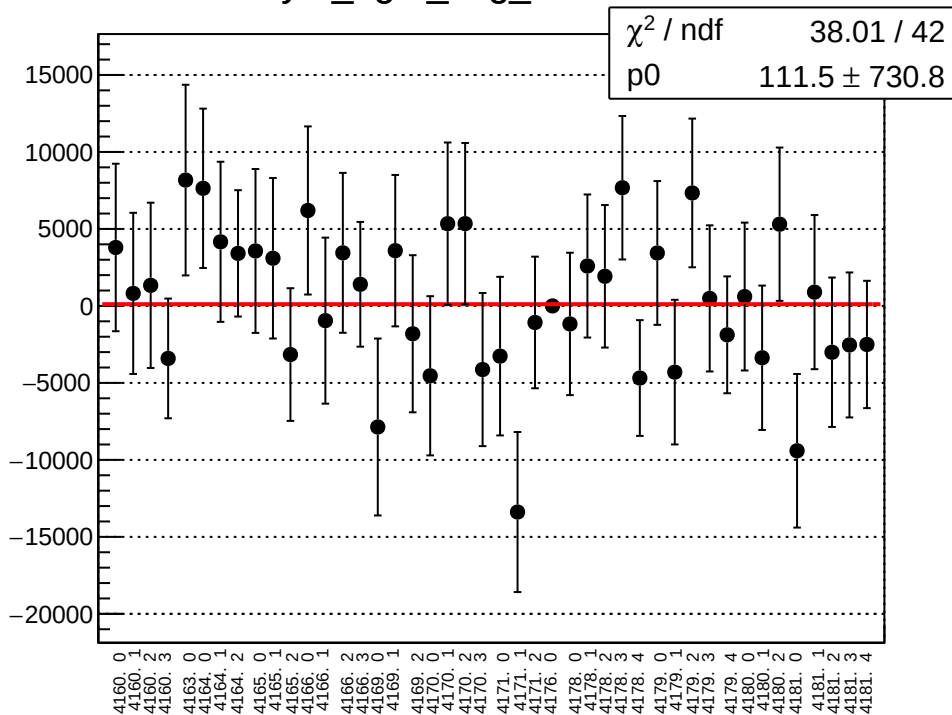


# asym\_right\_avg\_correction\_rms vs run

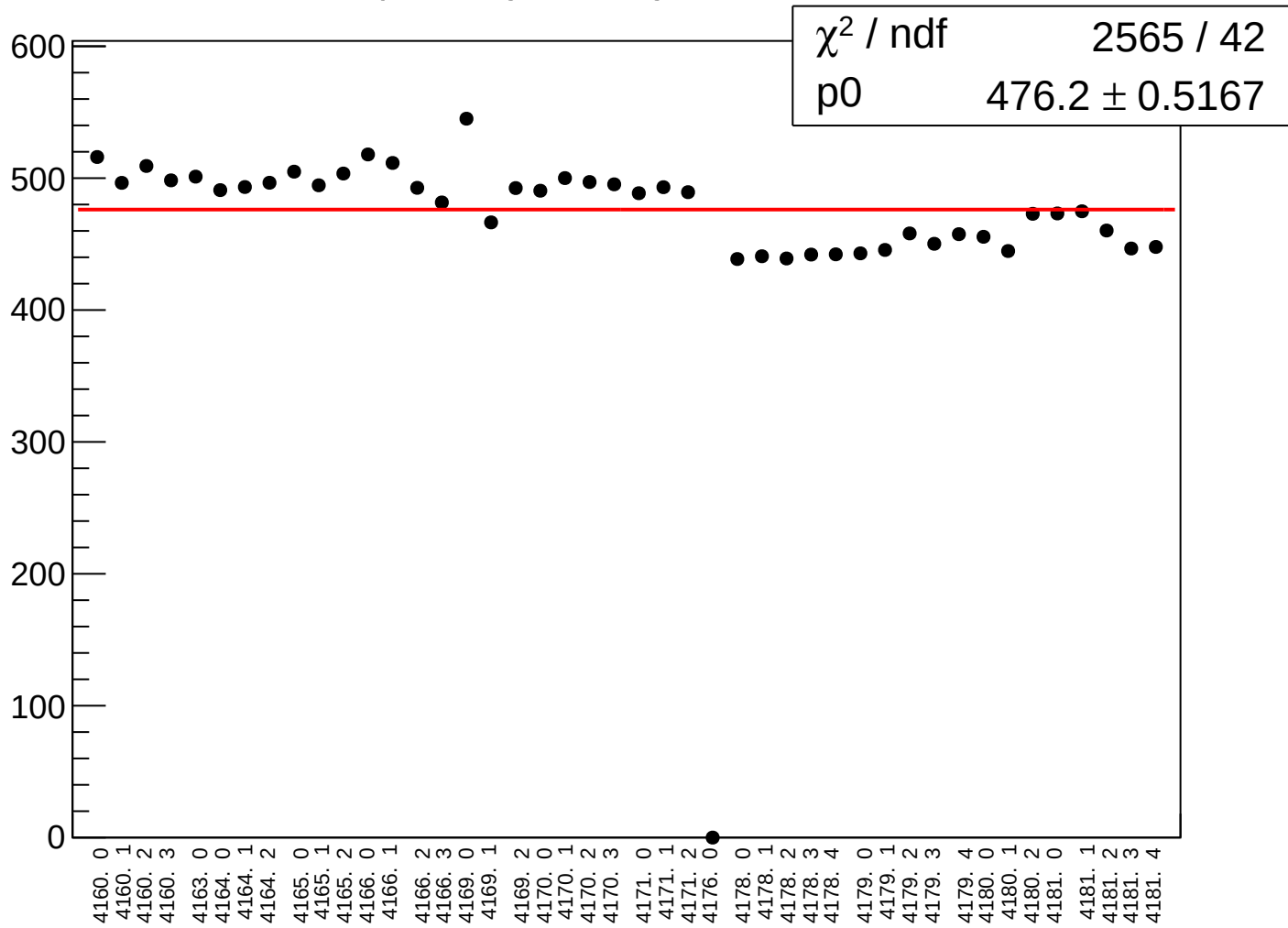




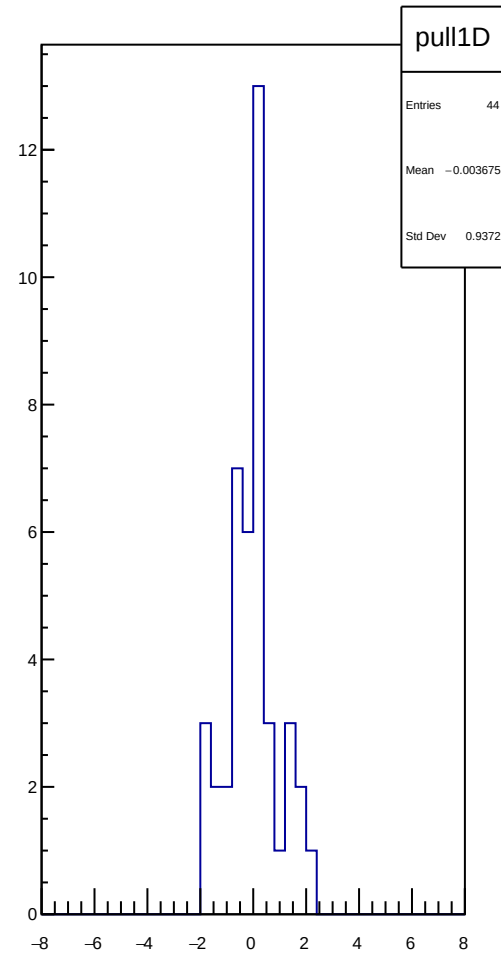
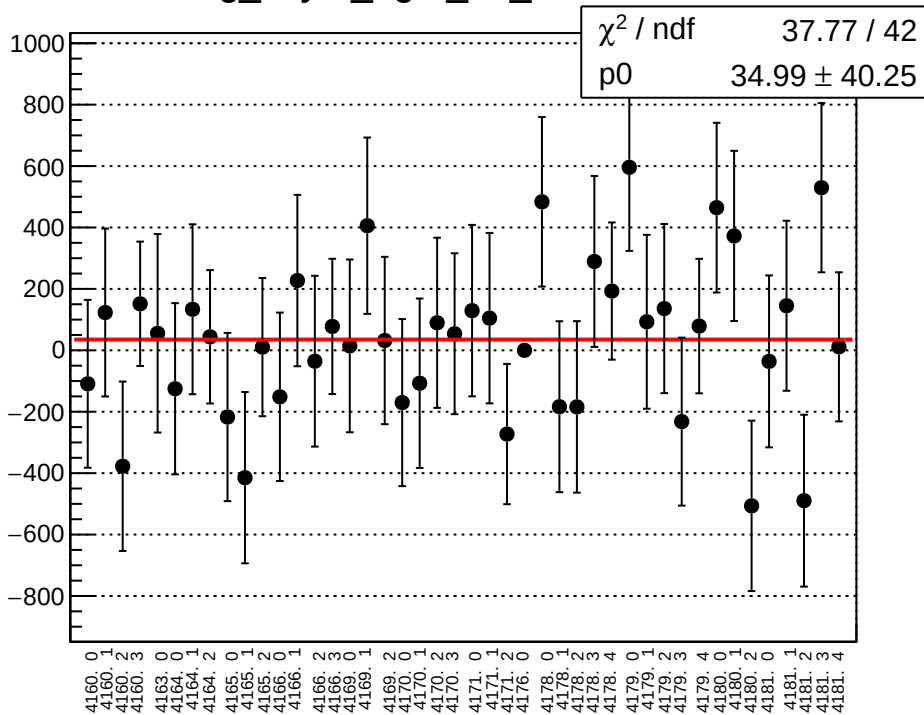
asym\_right\_avg\_mean vs run



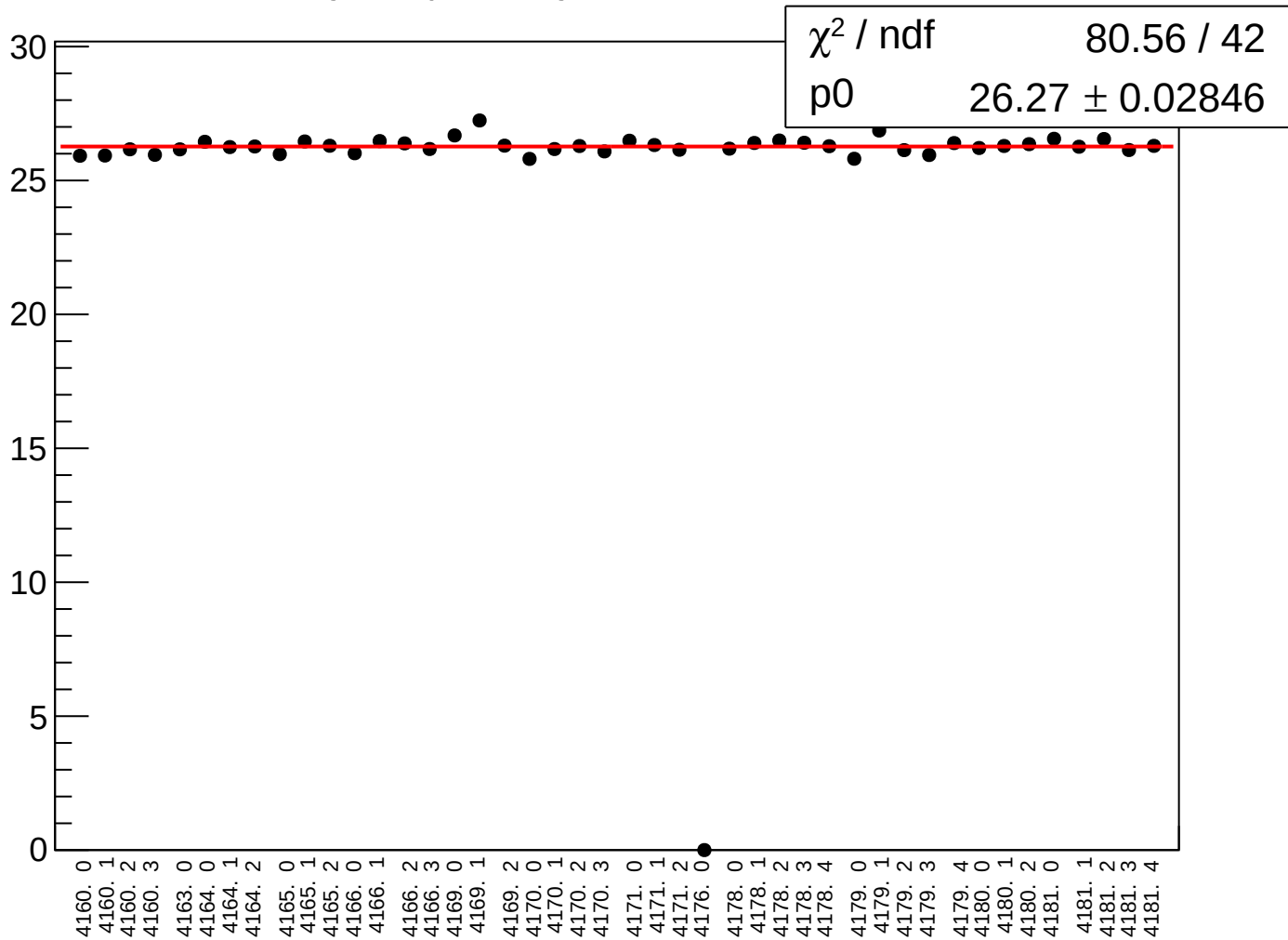
# asym\_right\_avg\_rms vs run



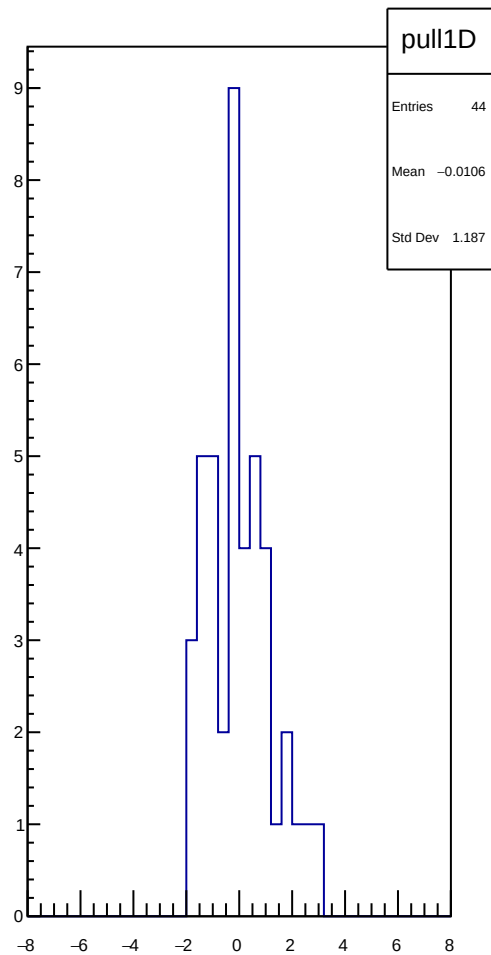
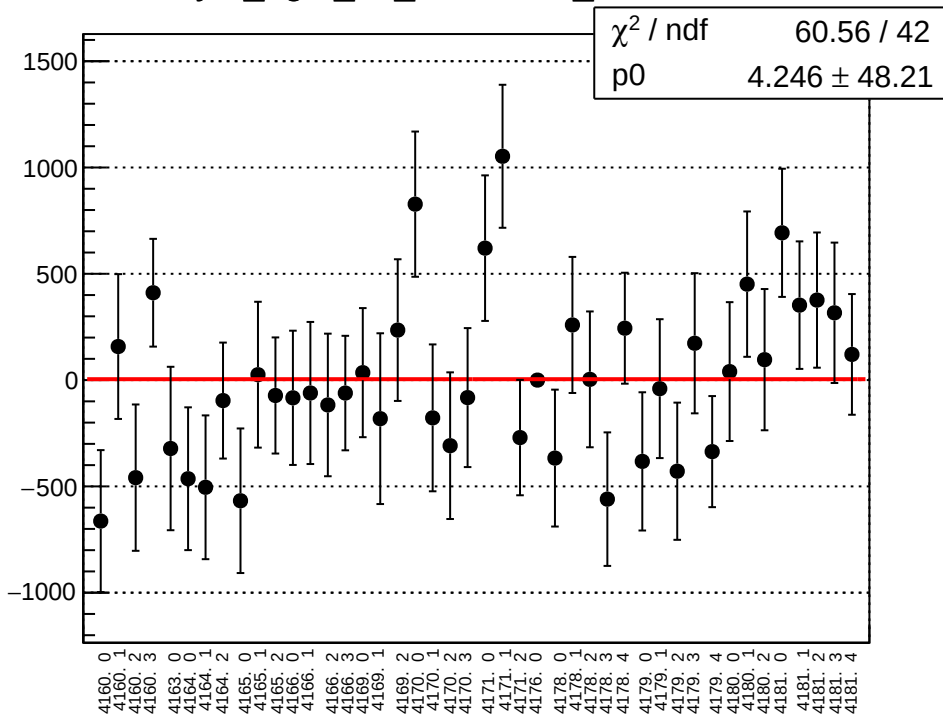
# reg\_asym\_right\_dd\_mean vs run



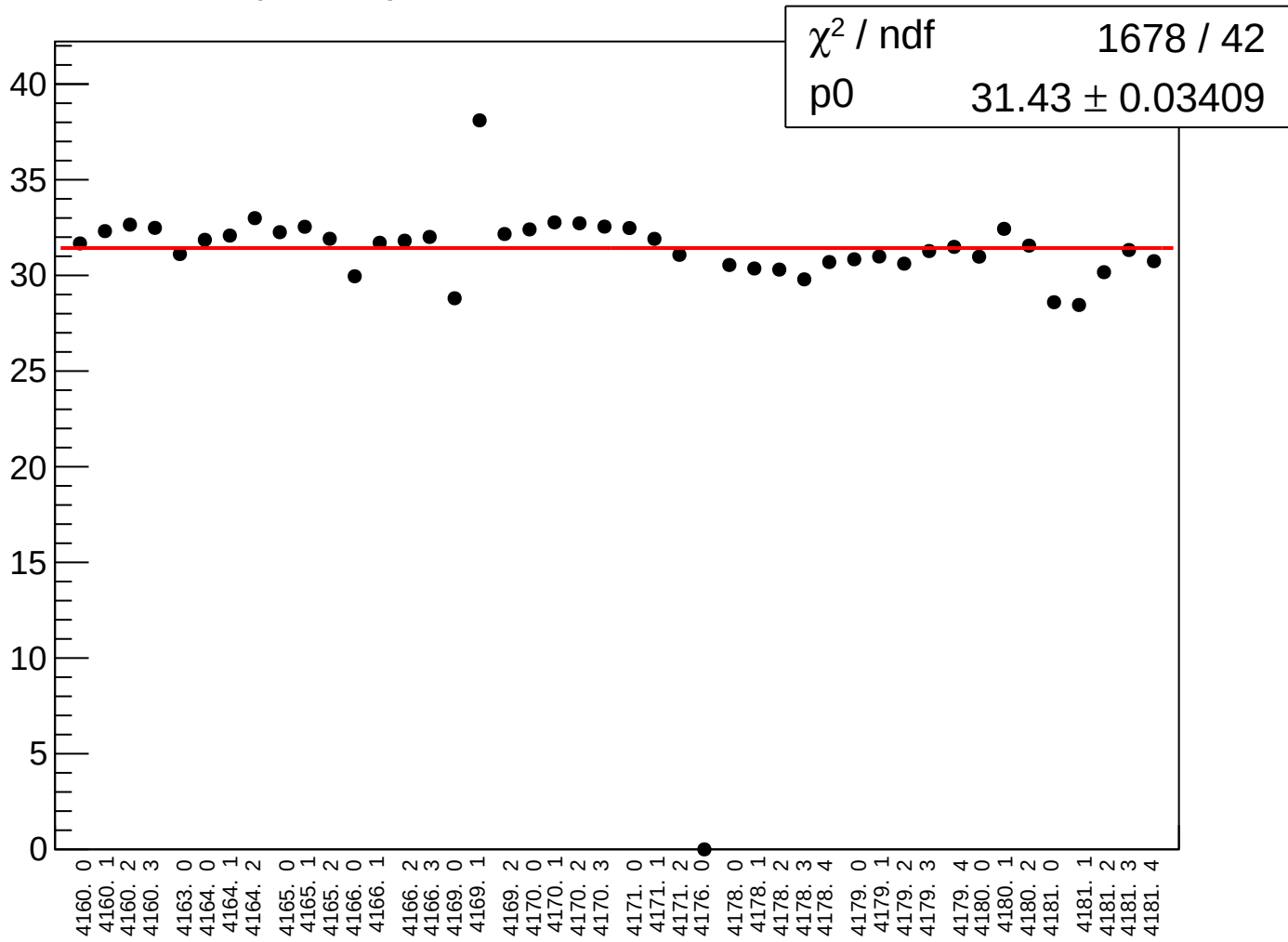
# reg\_asym\_right\_dd\_rms vs run



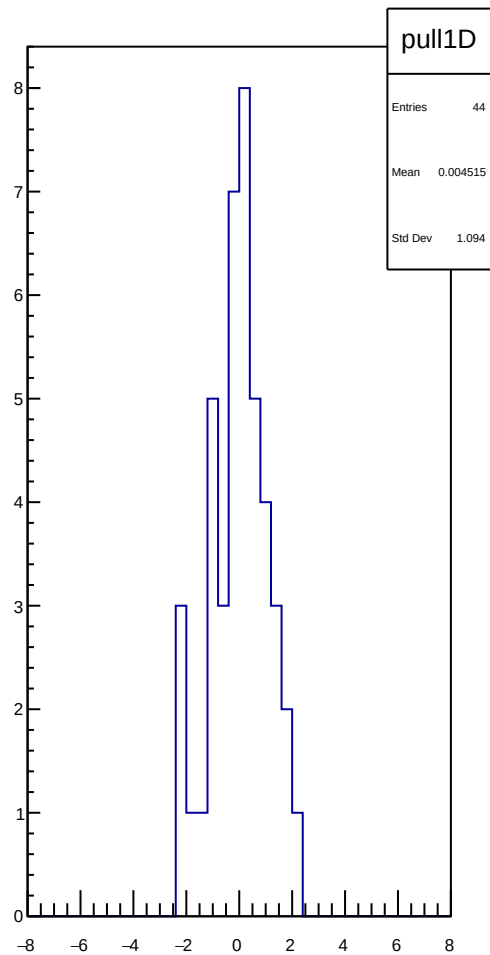
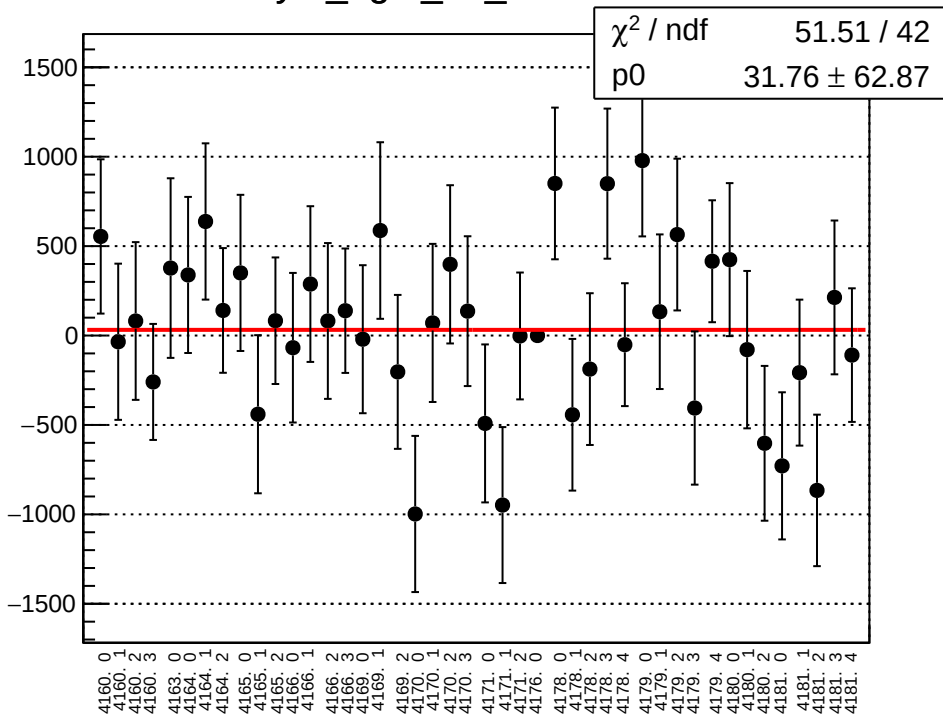
asym\_right\_dd\_correction\_mean vs run



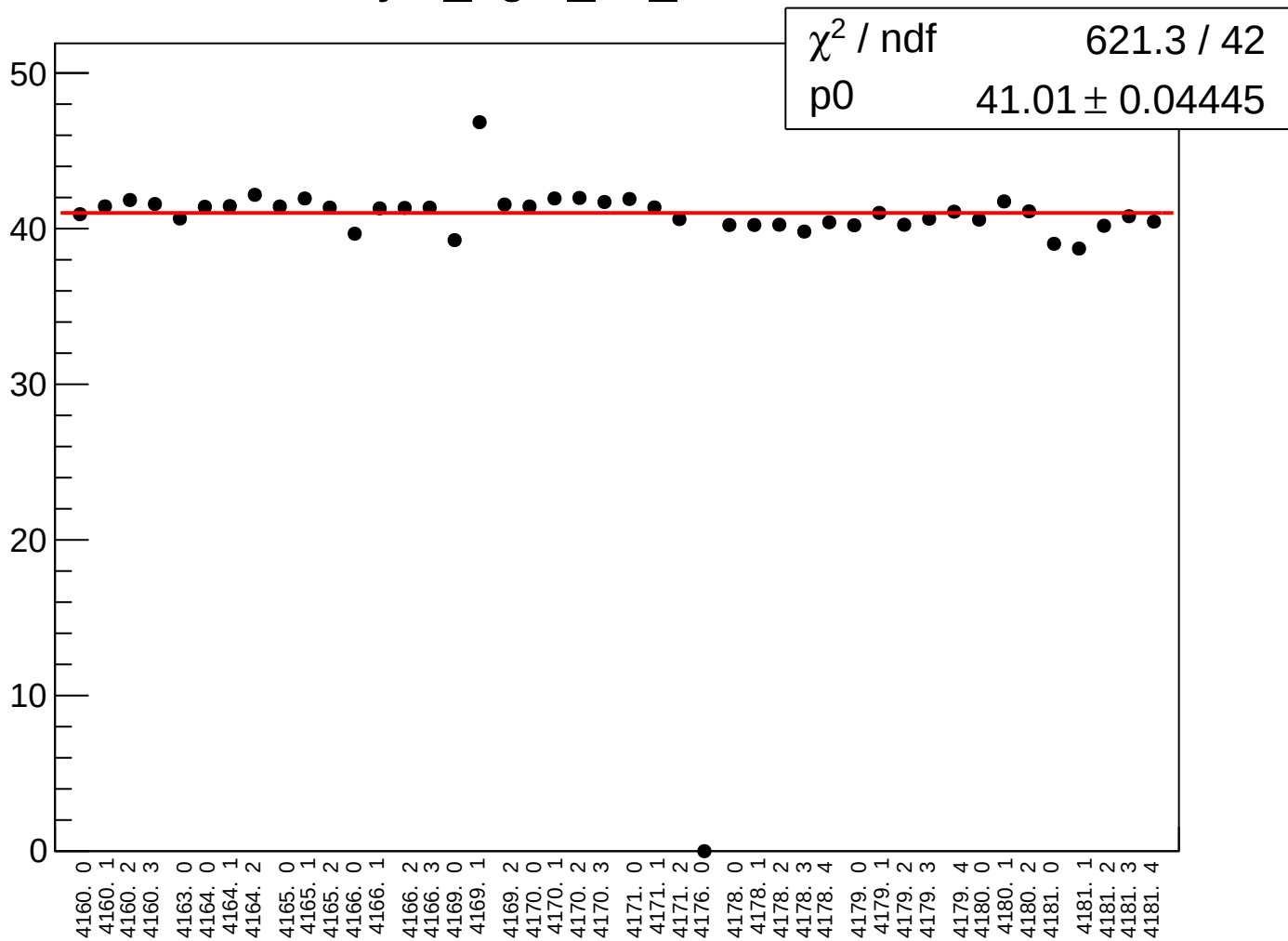
# asym\_right\_dd\_correction\_rms vs run



asym\_right\_dd\_mean vs run

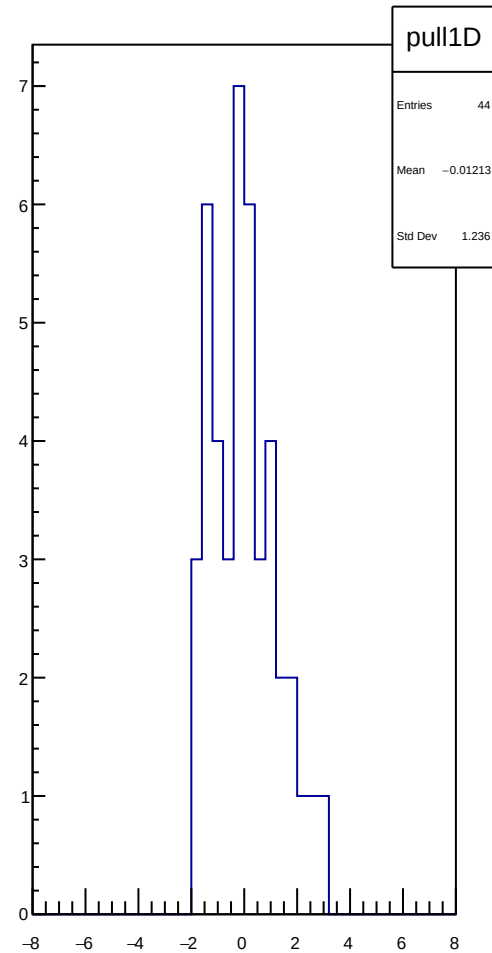
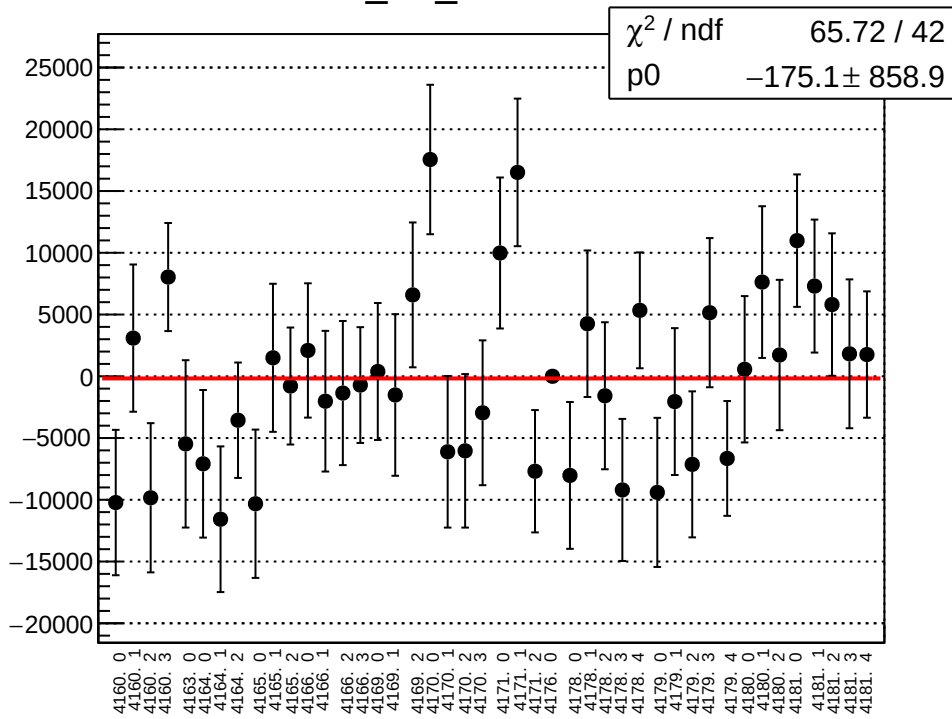


# asym\_right\_dd\_rms vs run

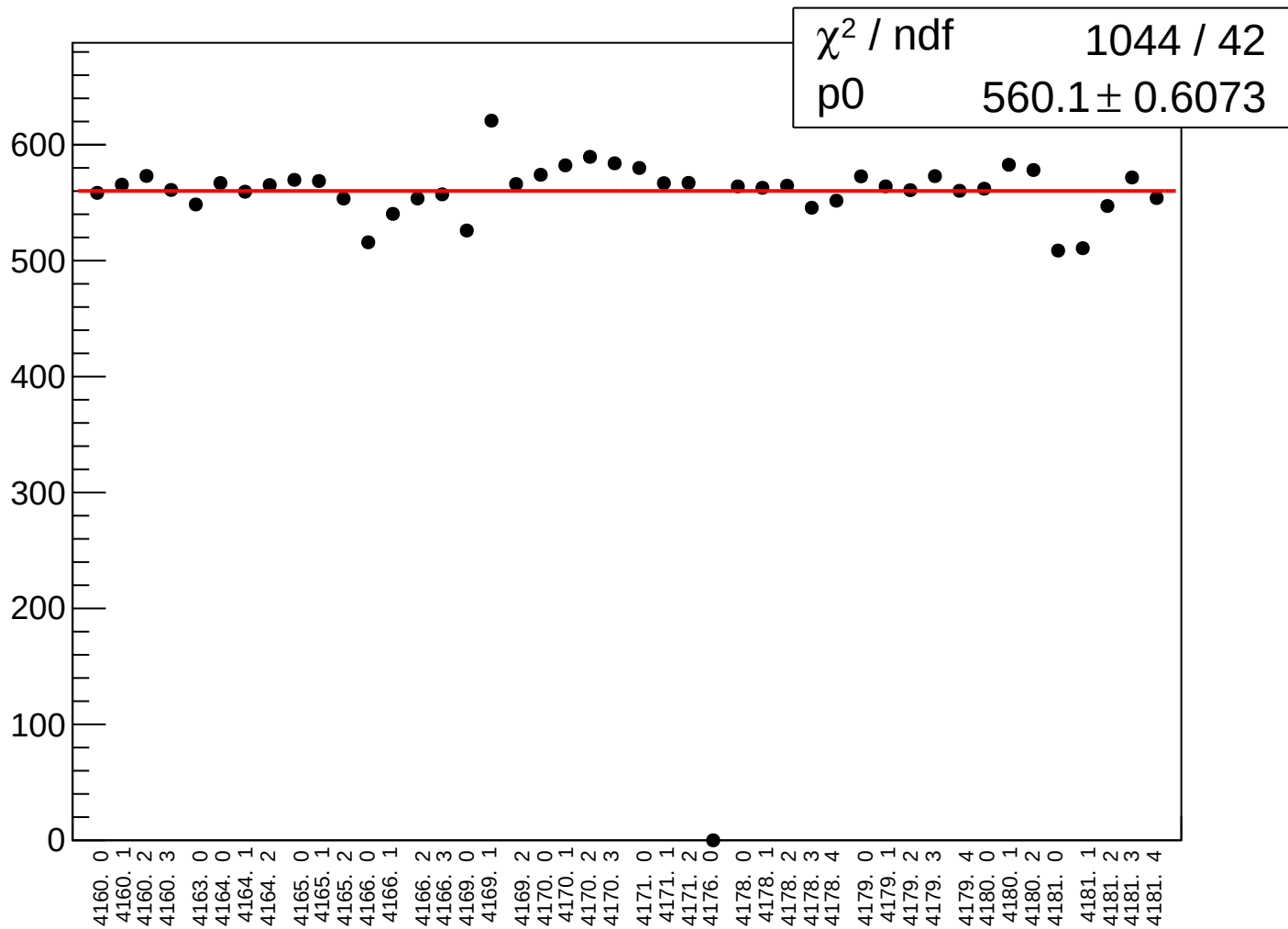




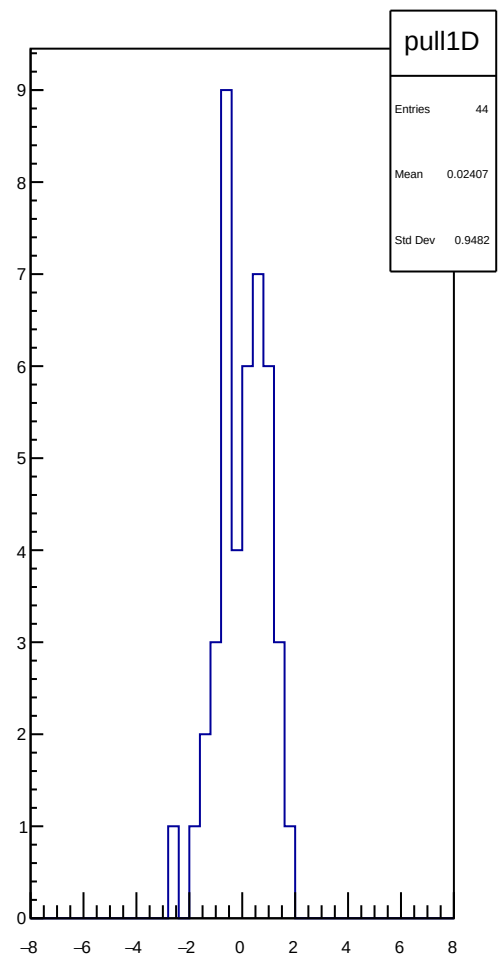
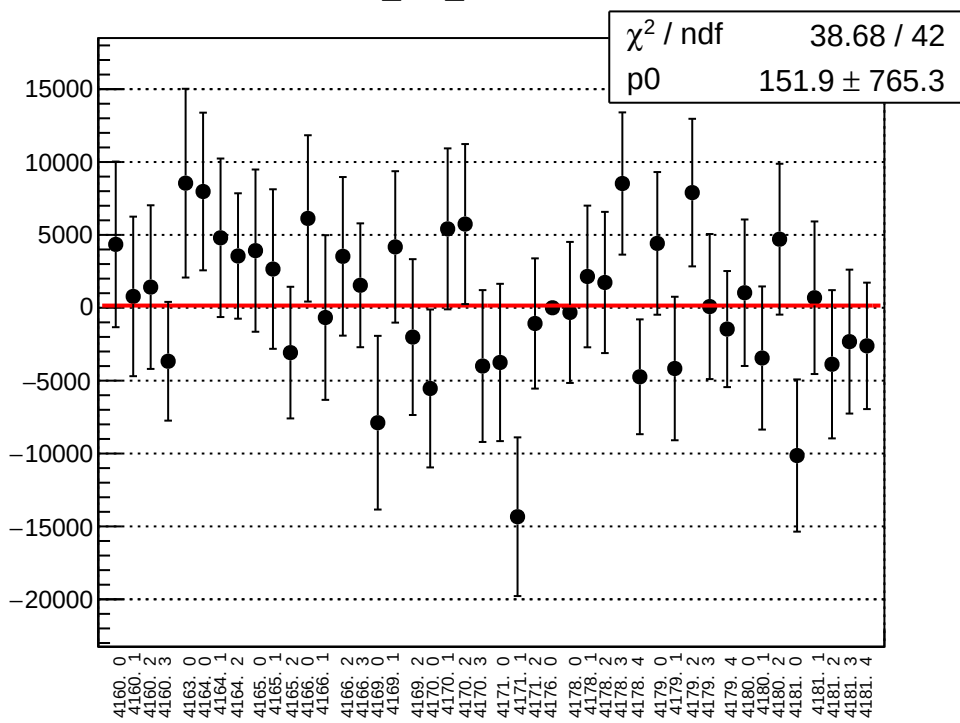
# cor\_usl\_mean vs run



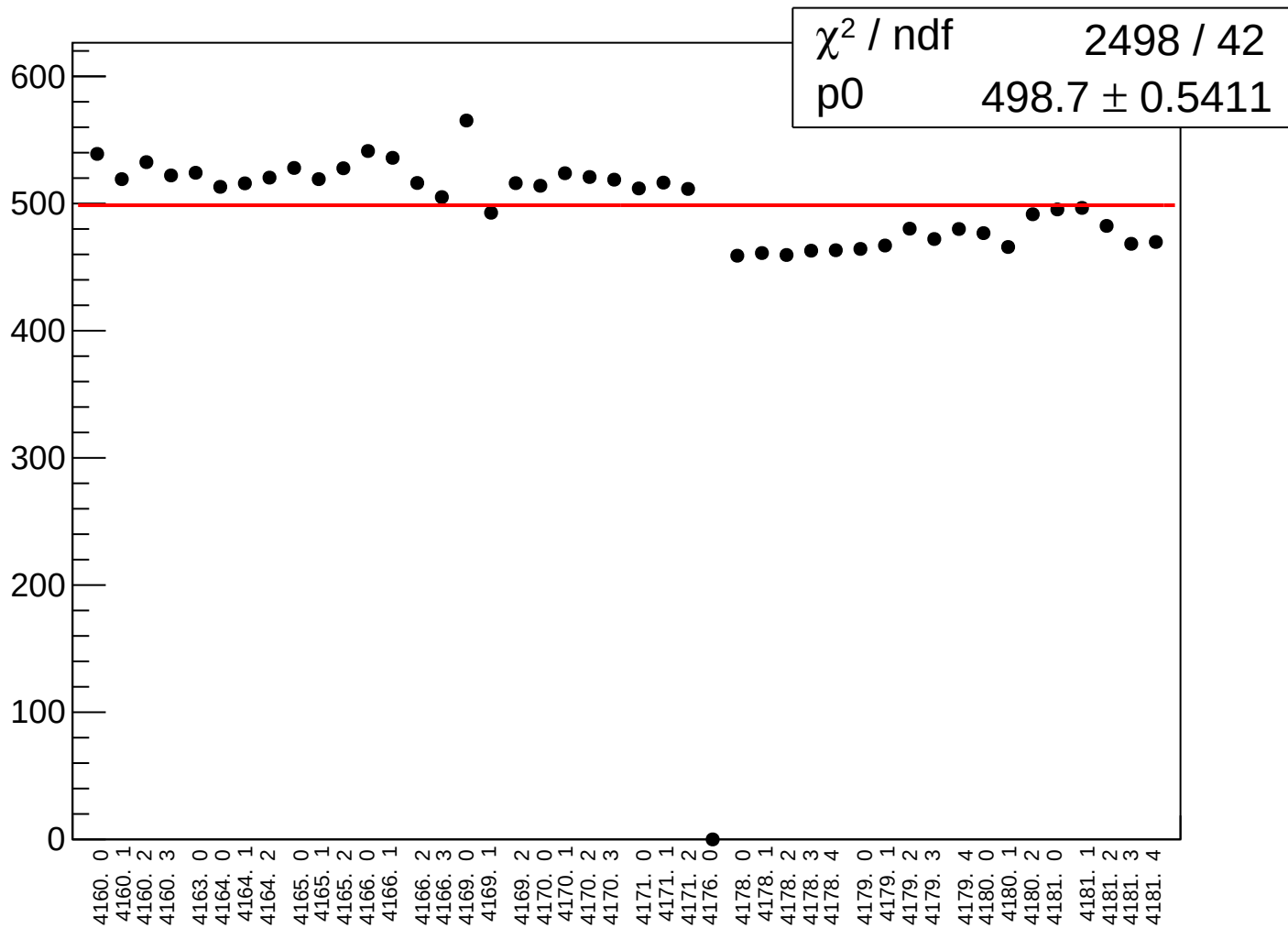
cor\_usl\_rms vs run



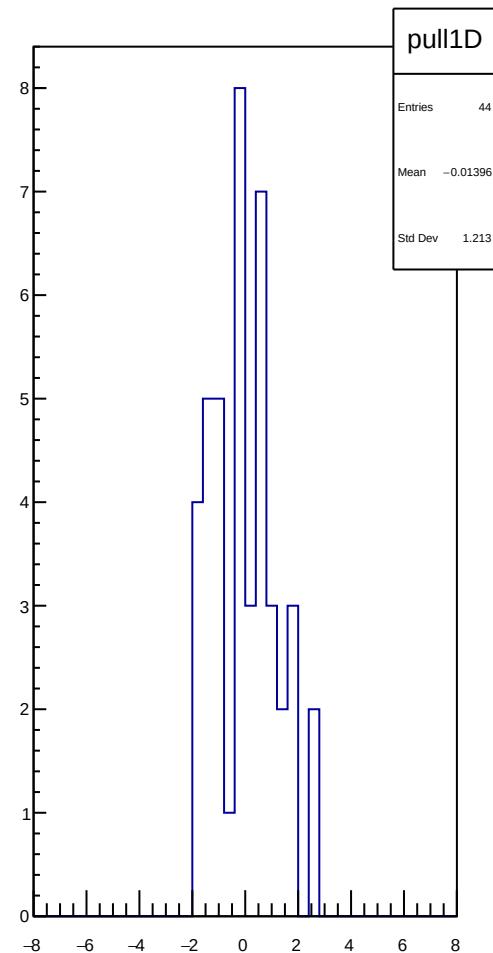
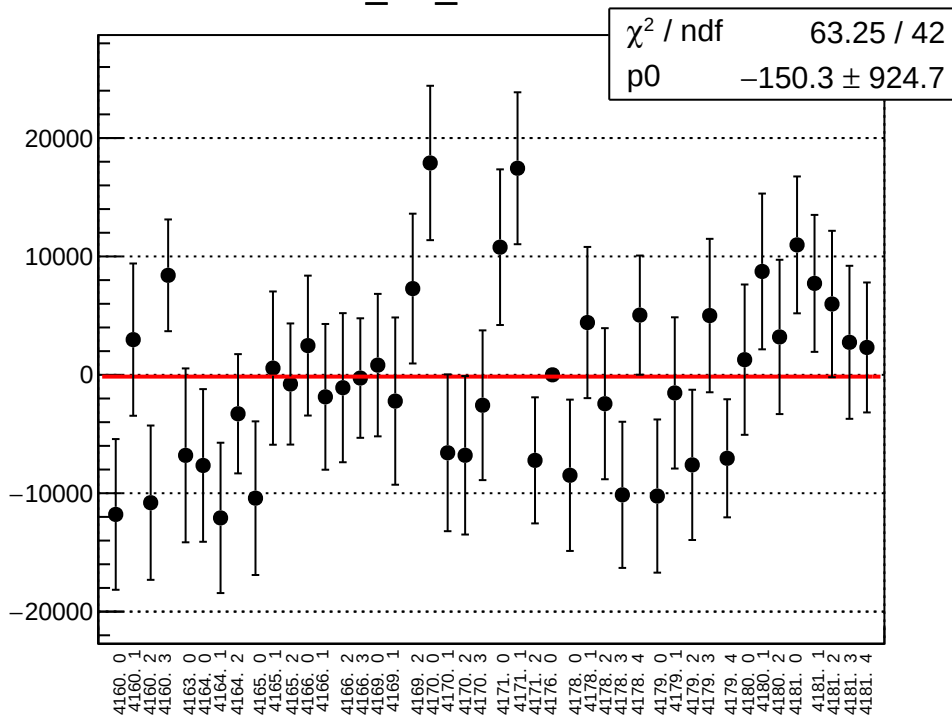
cor\_usr\_mean vs run



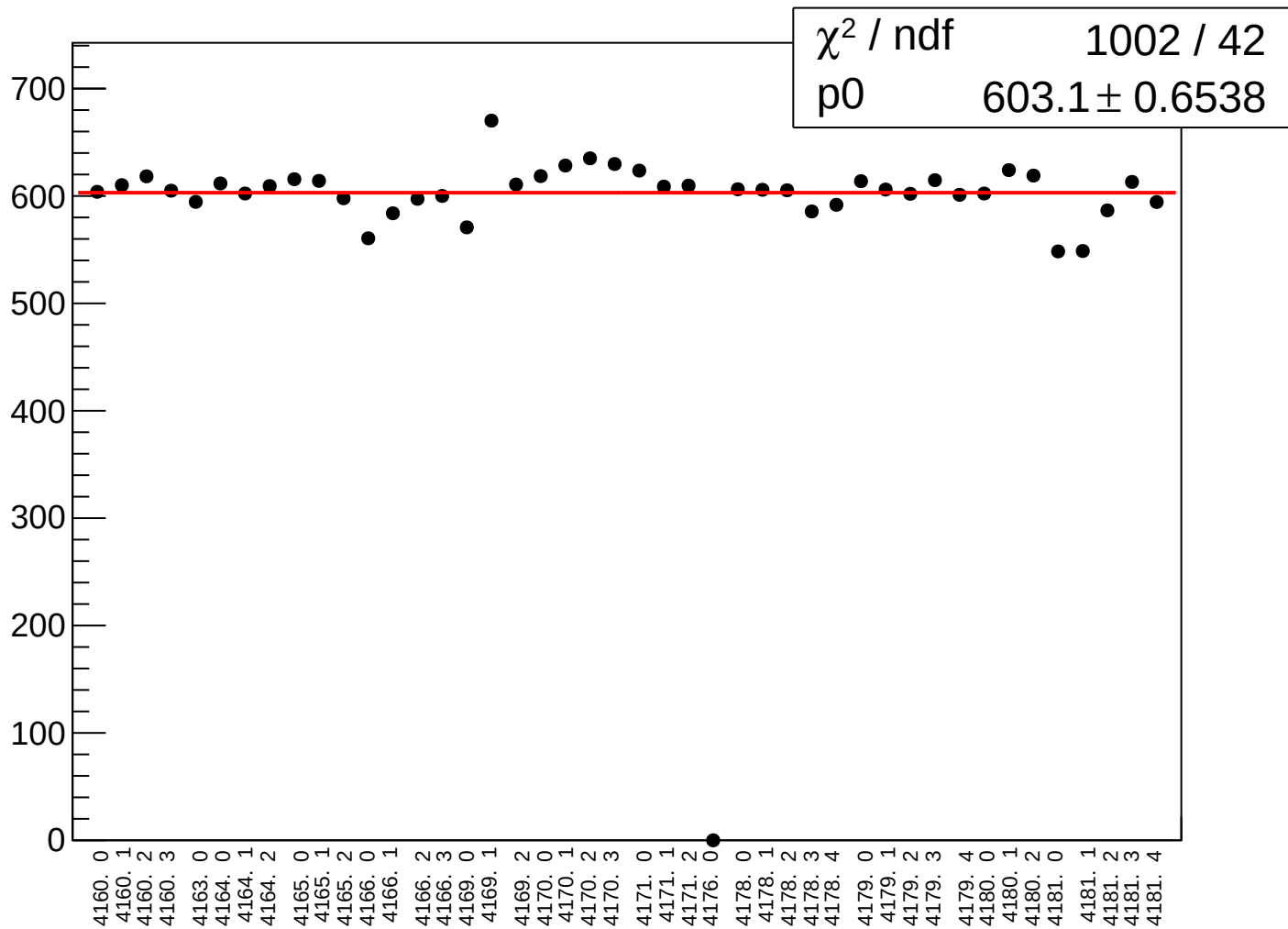
cor\_usr\_rms vs run



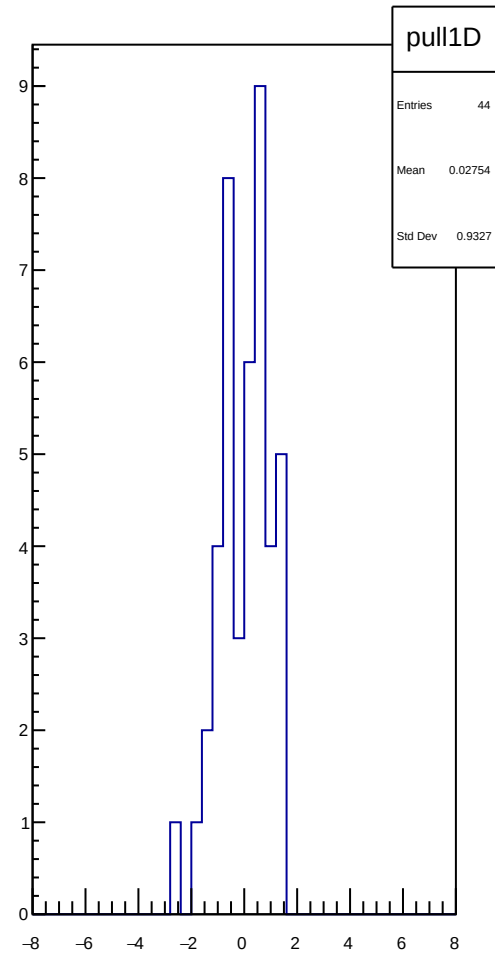
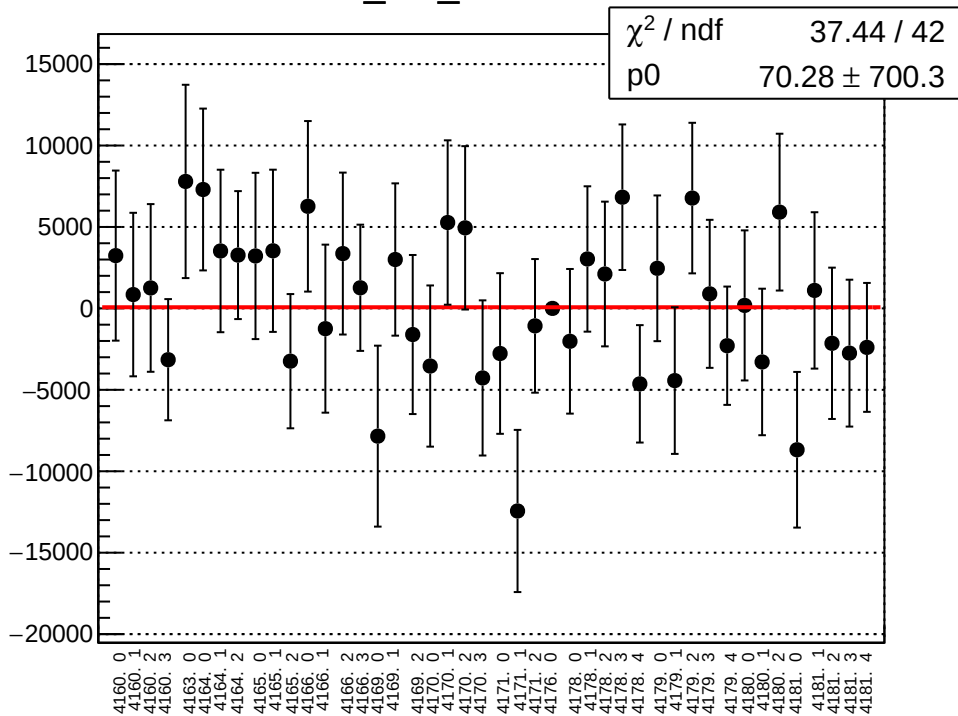
# cor\_dsl\_mean vs run



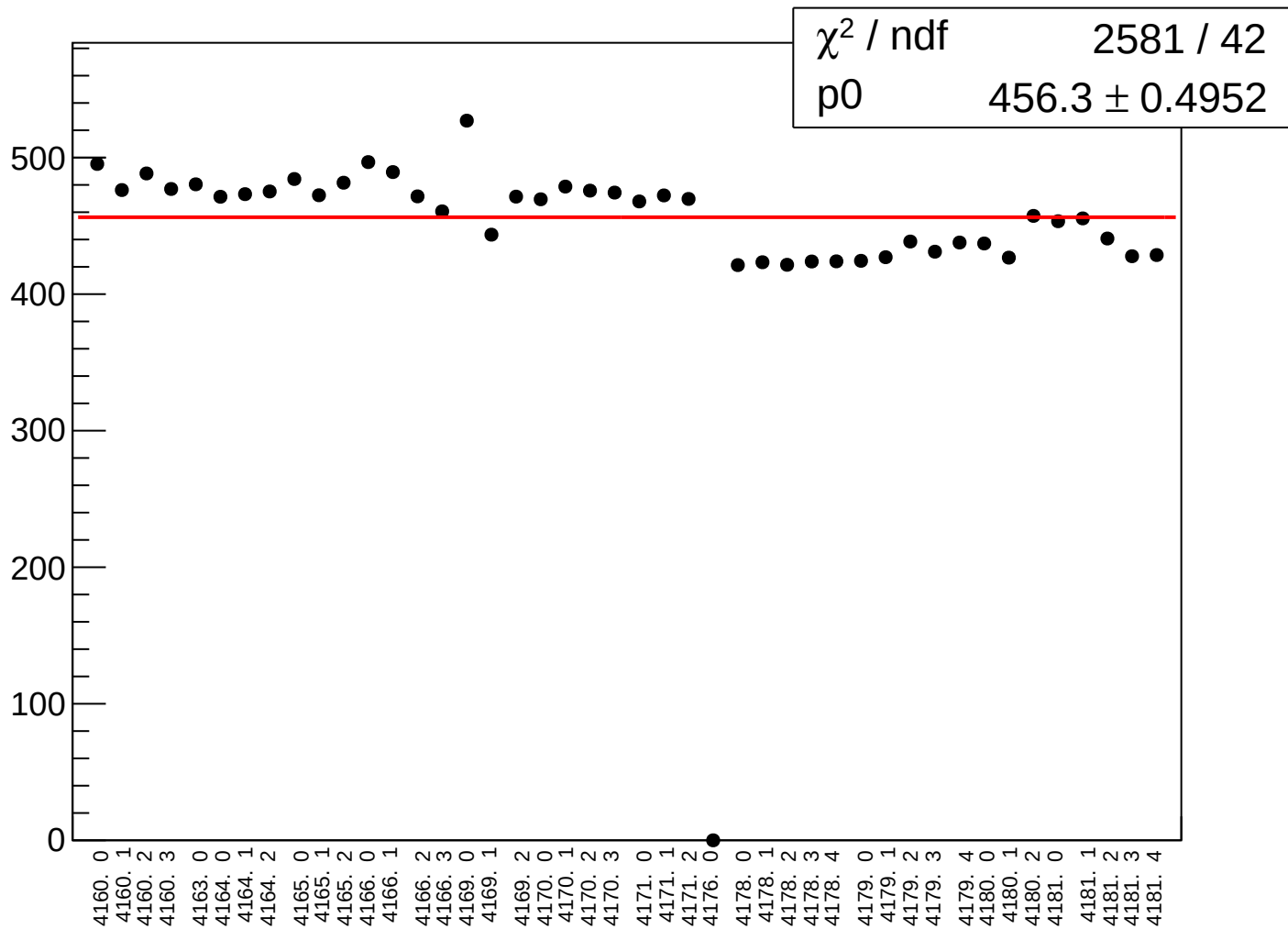
cor\_dsl\_rms vs run



cor\_dsr\_mean vs run

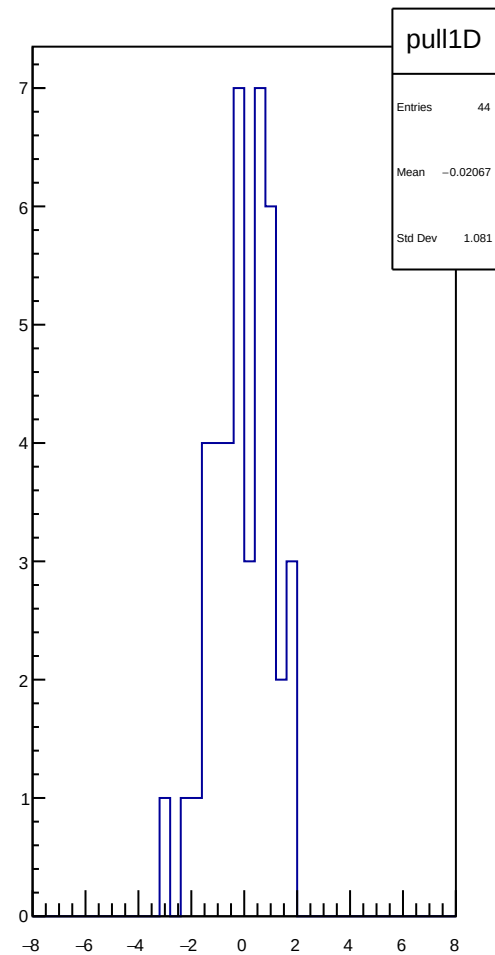
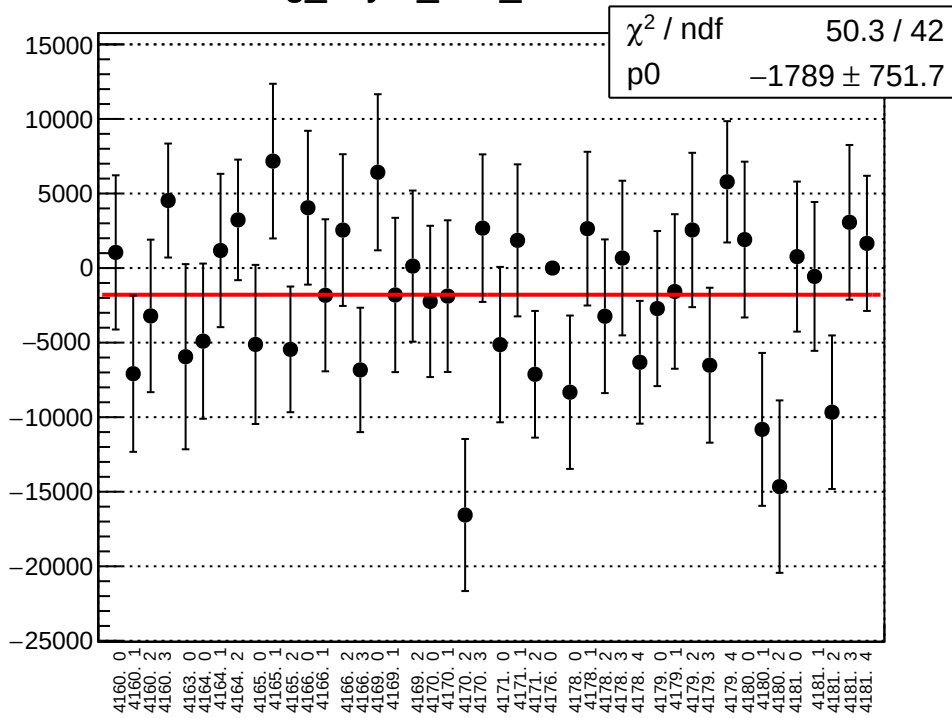


cor\_dsr\_rms vs run

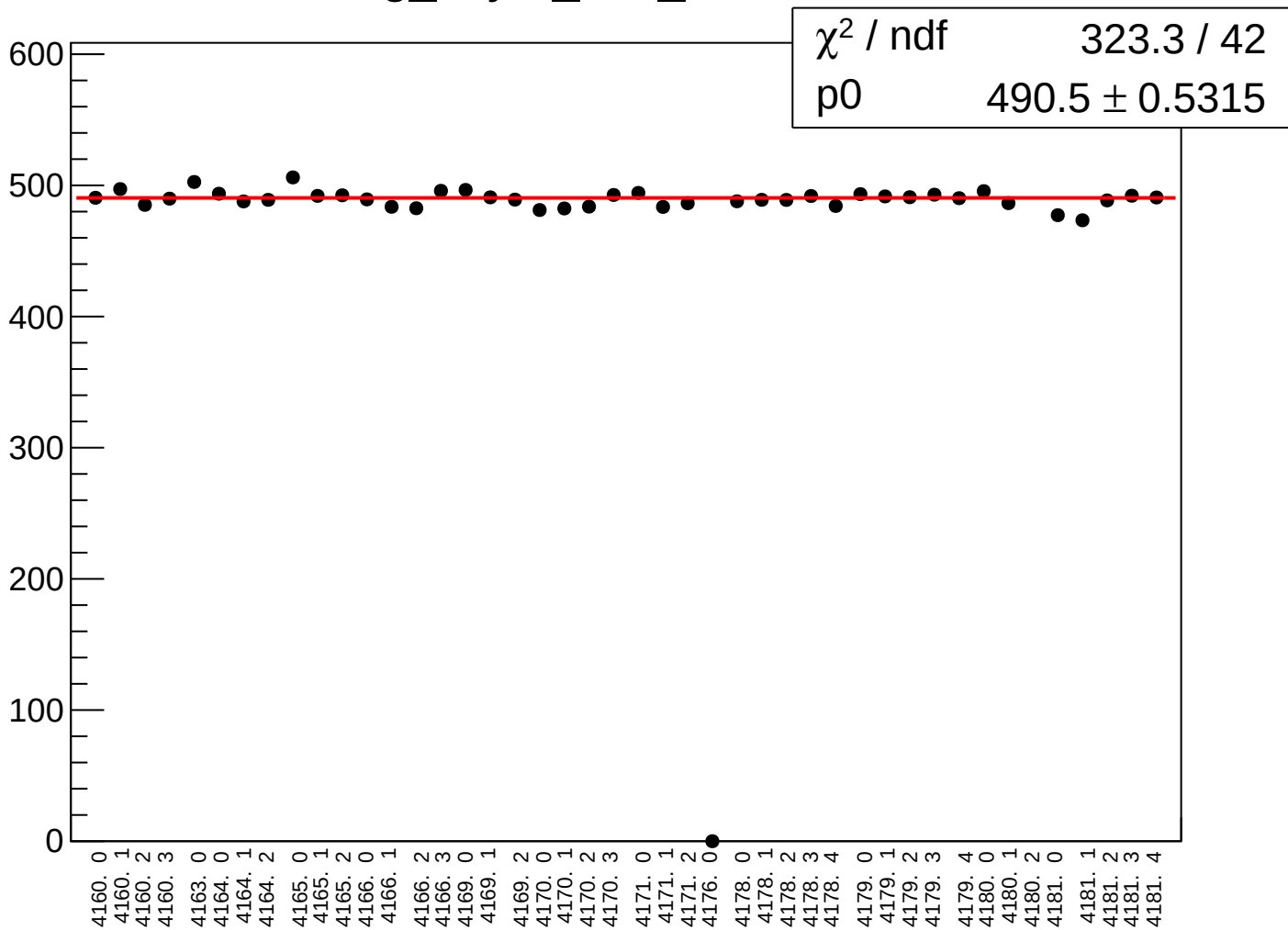




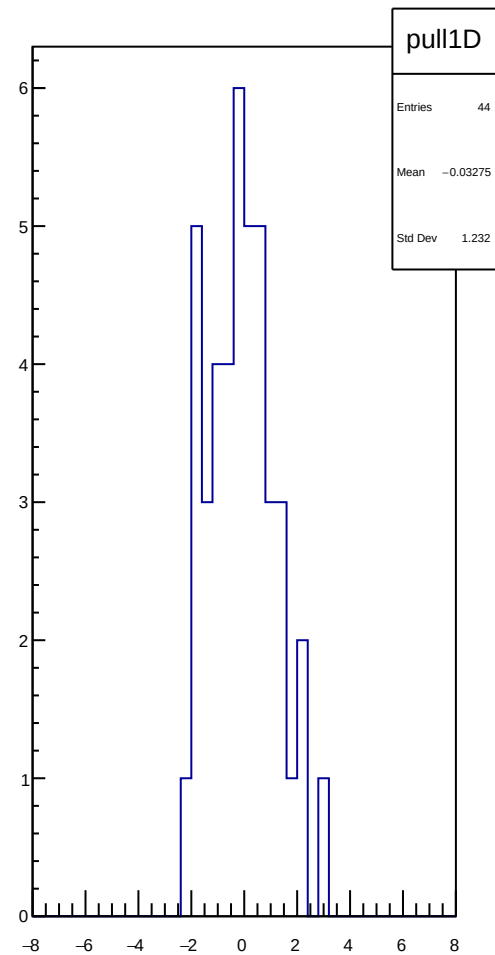
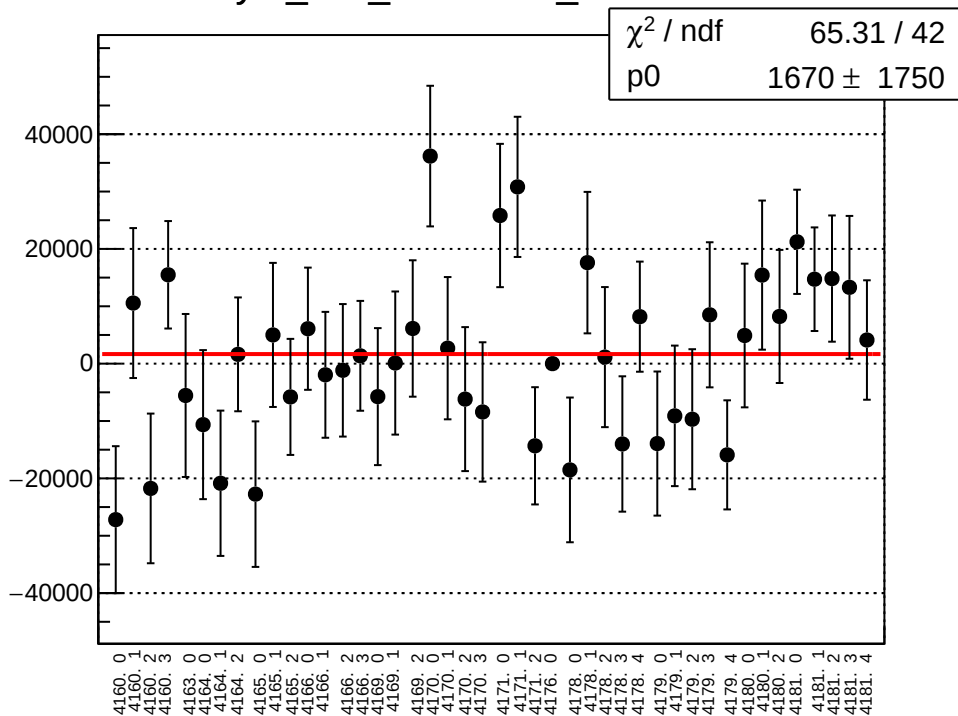
# reg\_asym\_atl1\_mean vs run



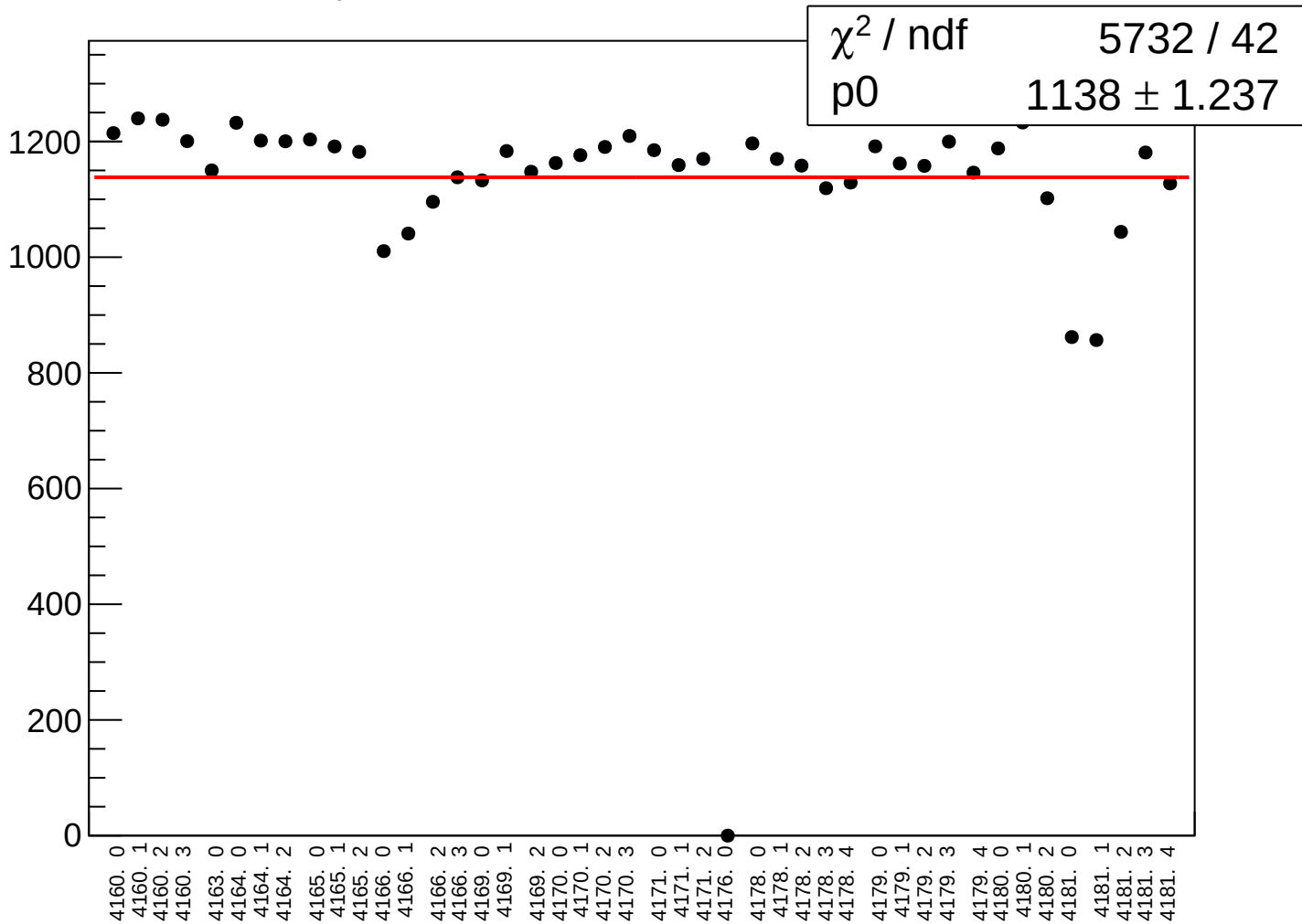
reg\_asym\_atl1\_rms vs run



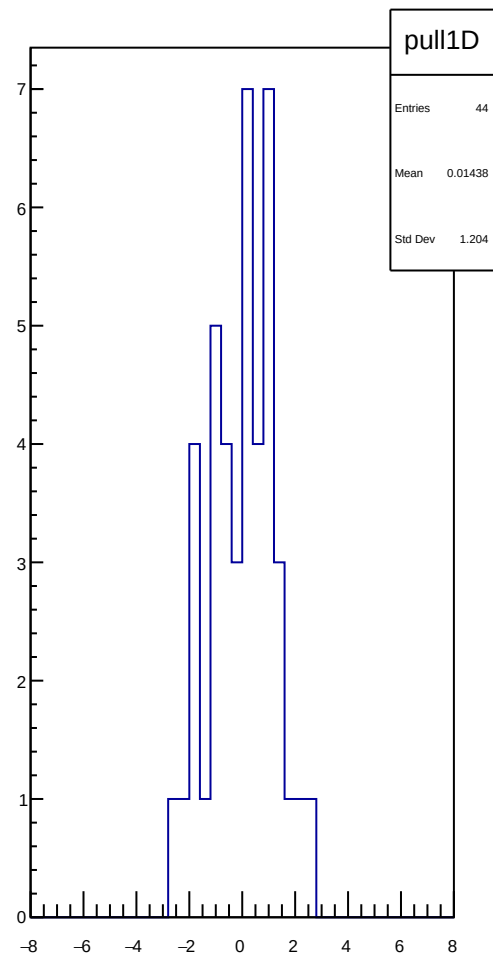
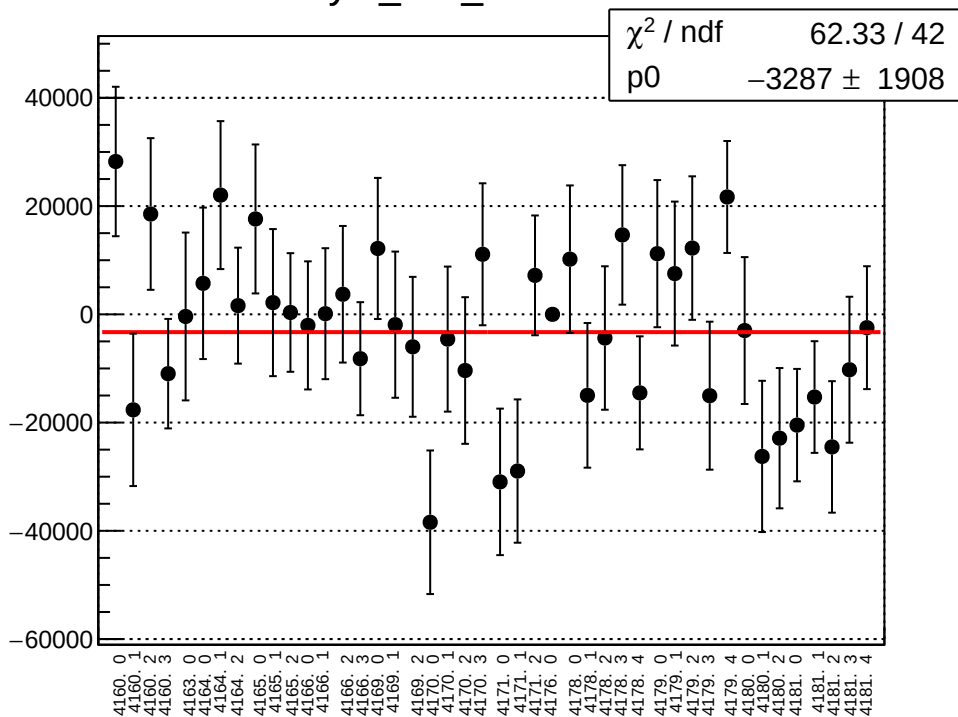
asym\_atl1\_correction\_mean vs run



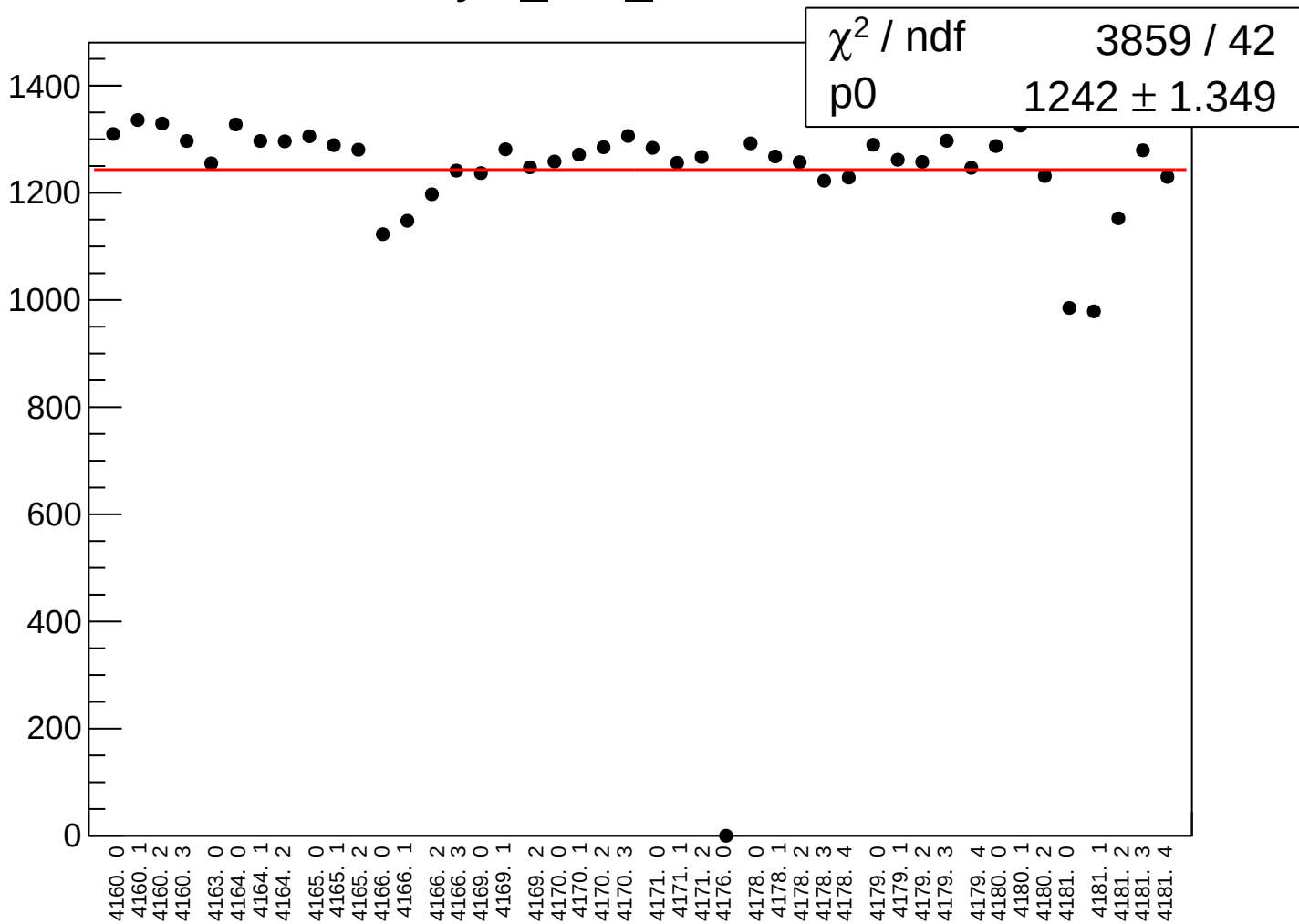
# asym\_atl1\_correction\_rms vs run



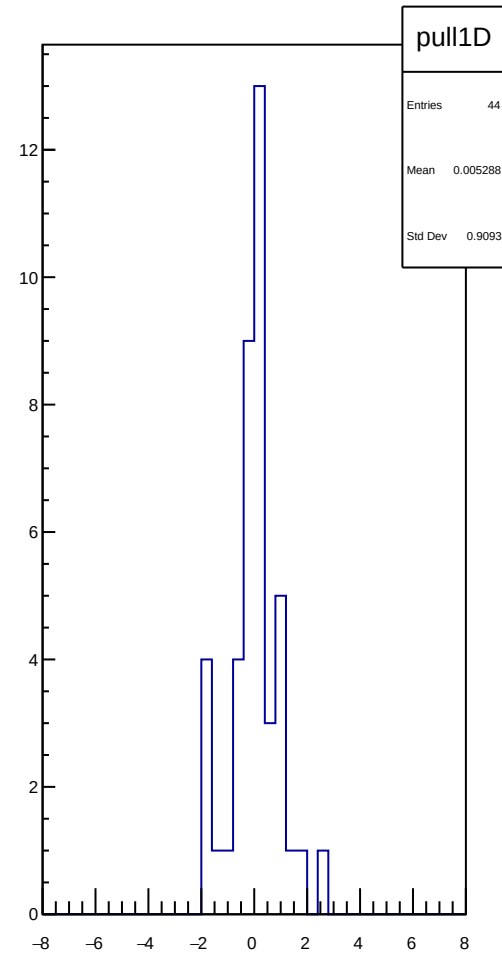
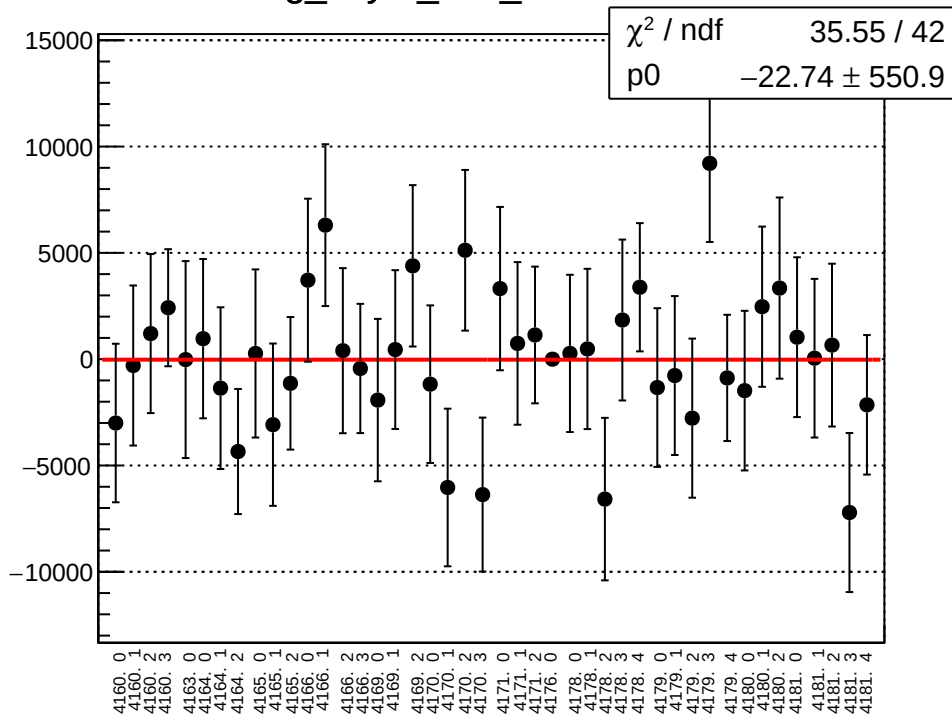
# asym\_atl1\_mean vs run



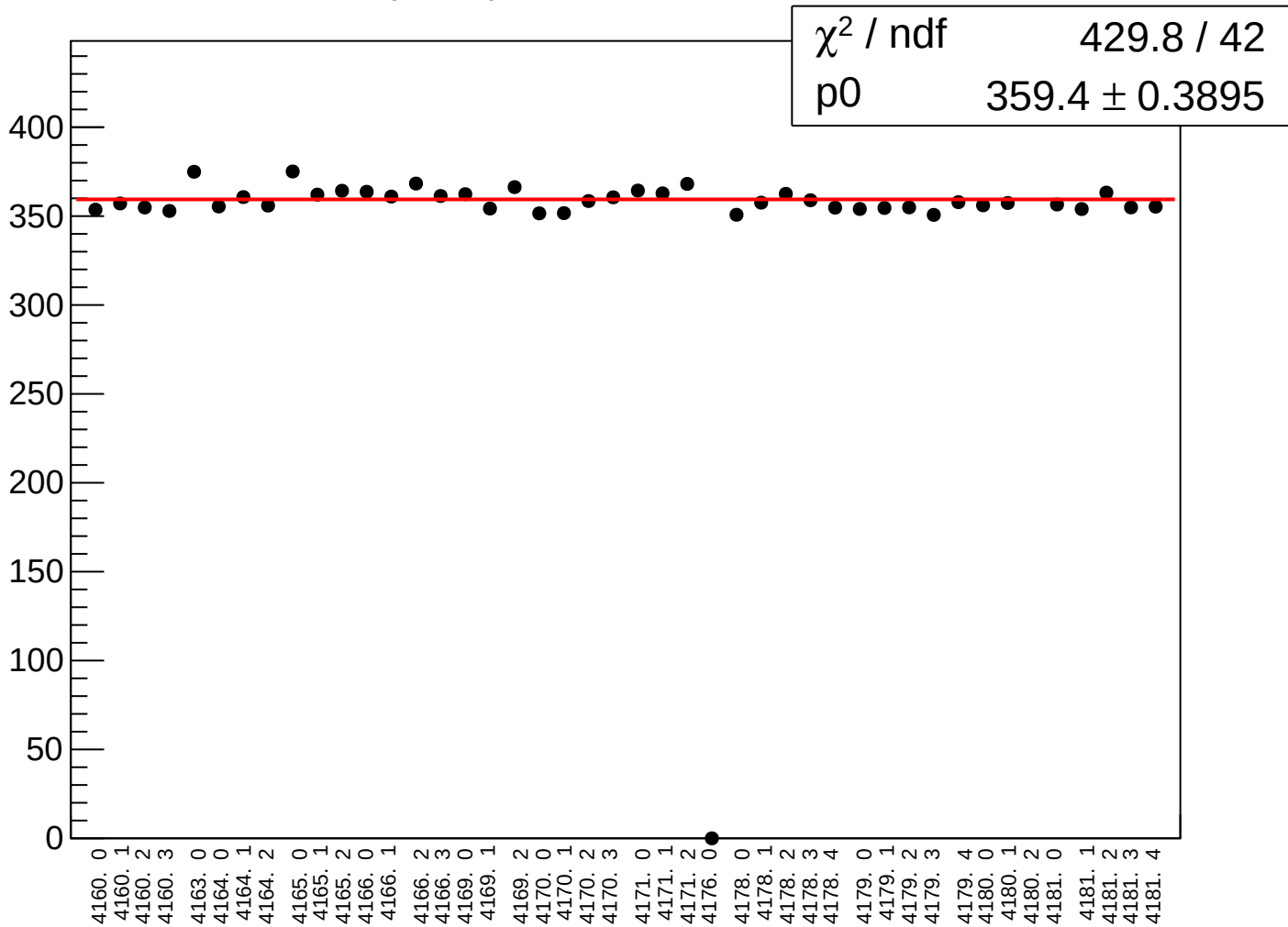
# asym\_atl1\_rms vs run



# reg\_asym\_atl2\_mean vs run

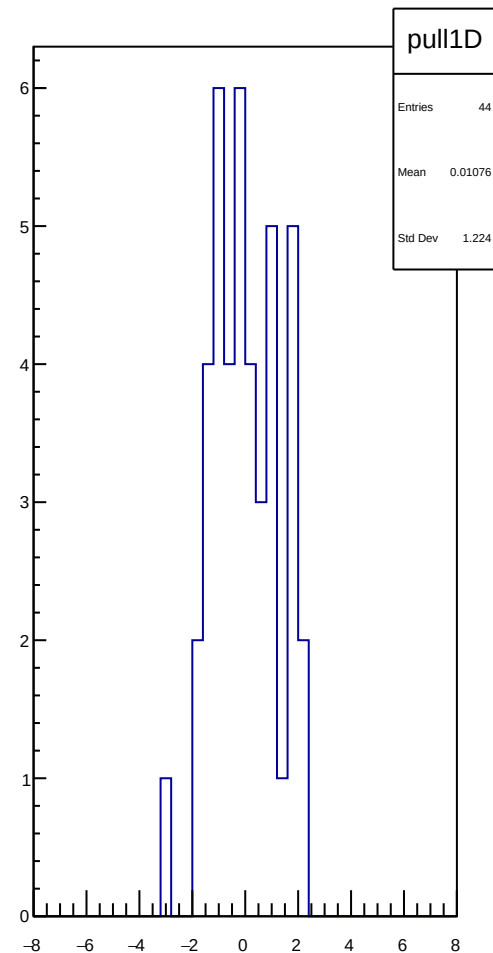
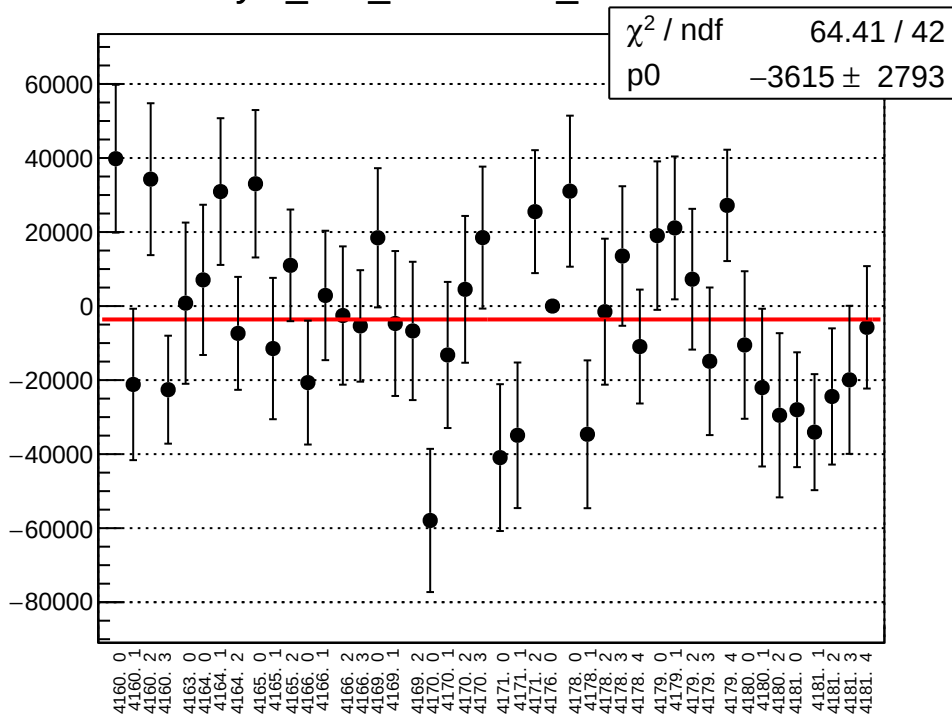


# reg\_asym\_atl2\_rms vs run

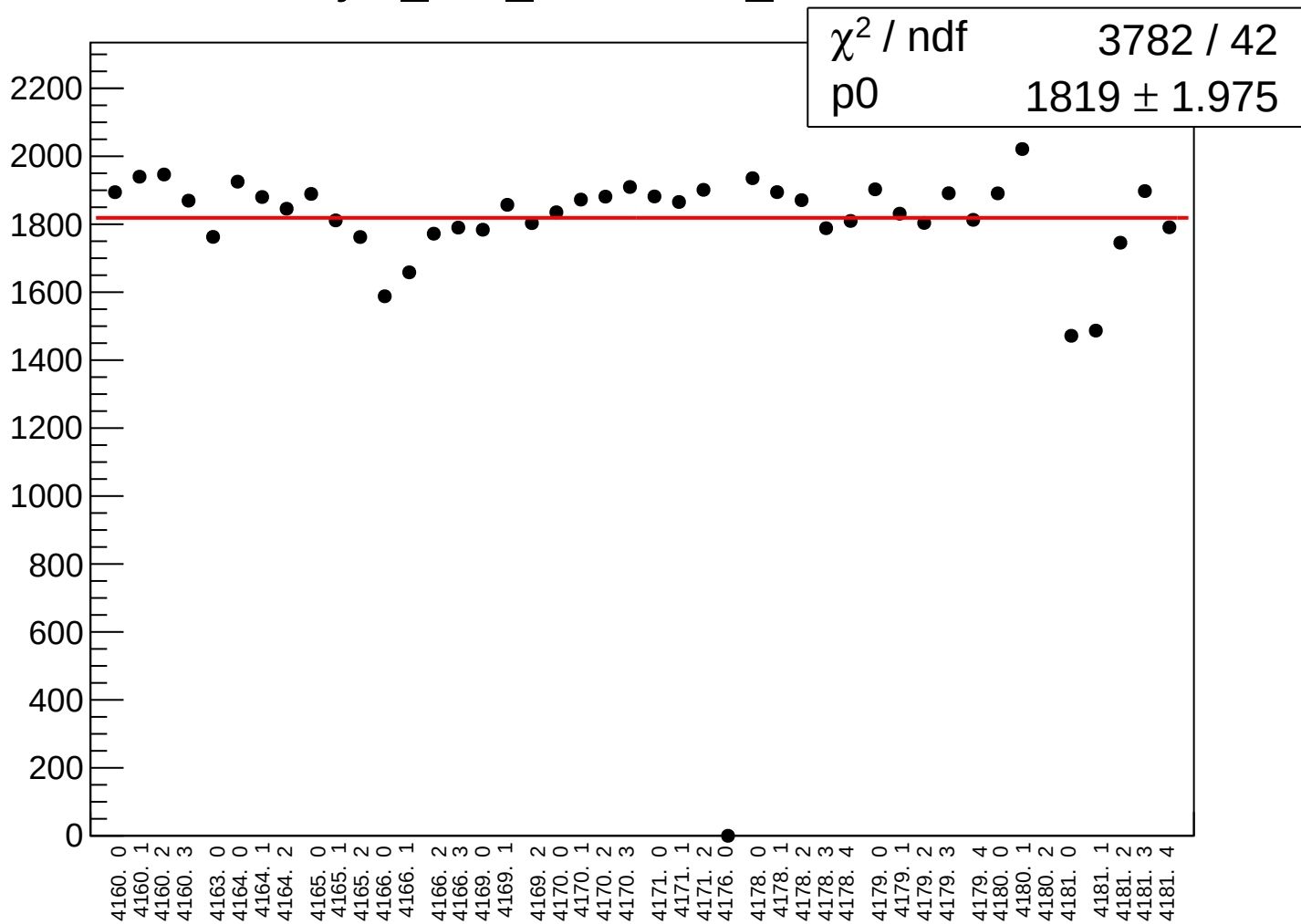




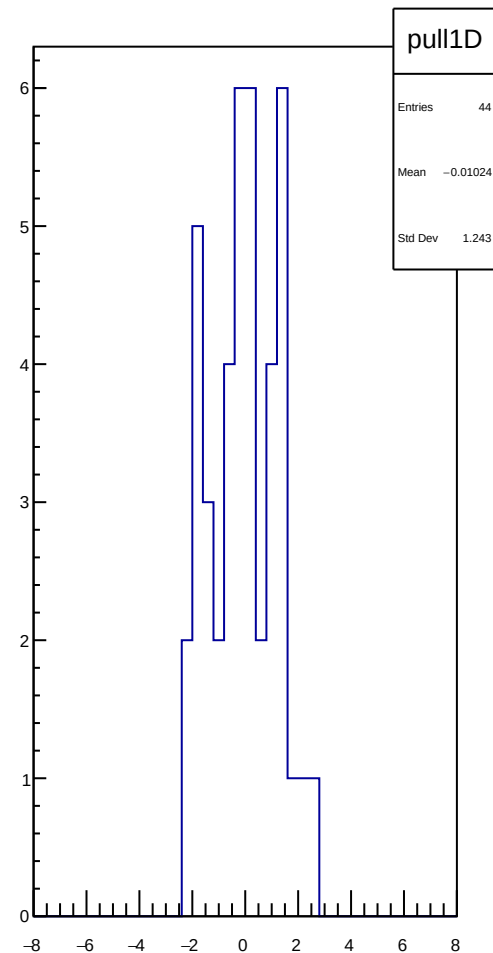
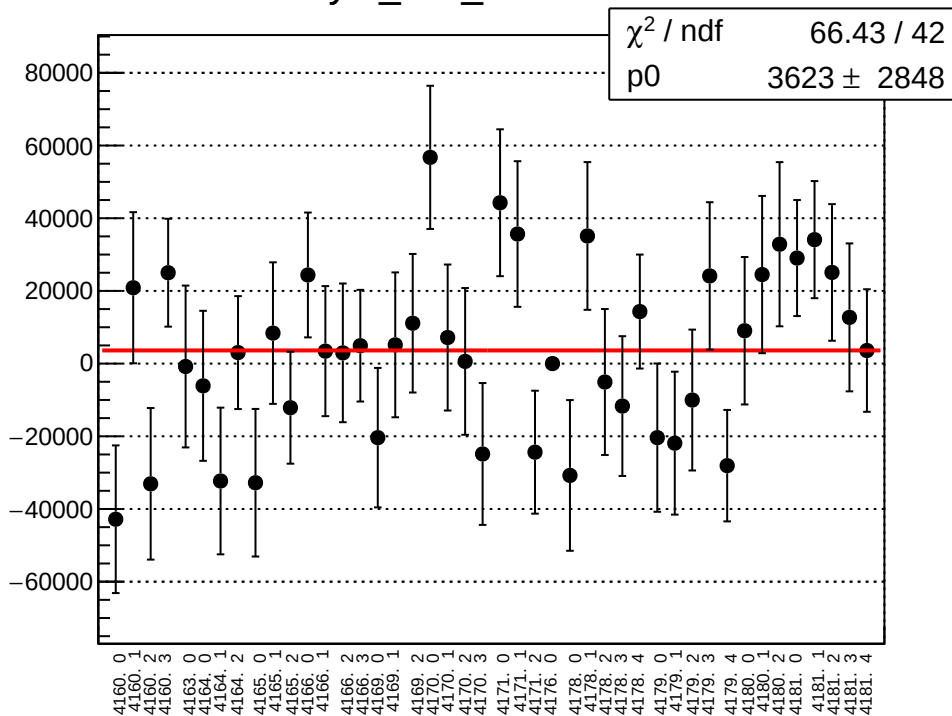
# asym\_atl2\_correction\_mean vs run



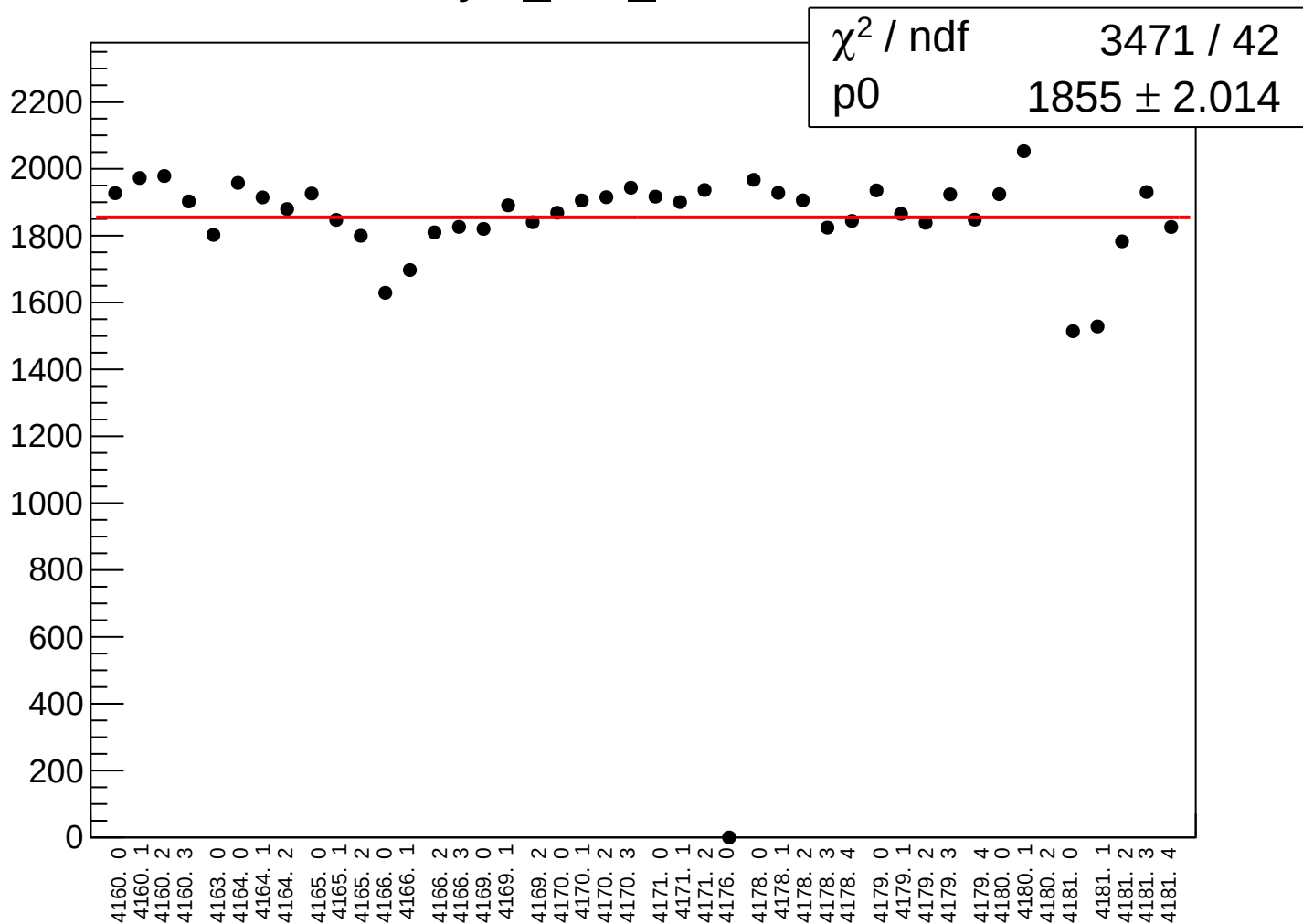
# asym\_atl2\_correction\_rms vs run



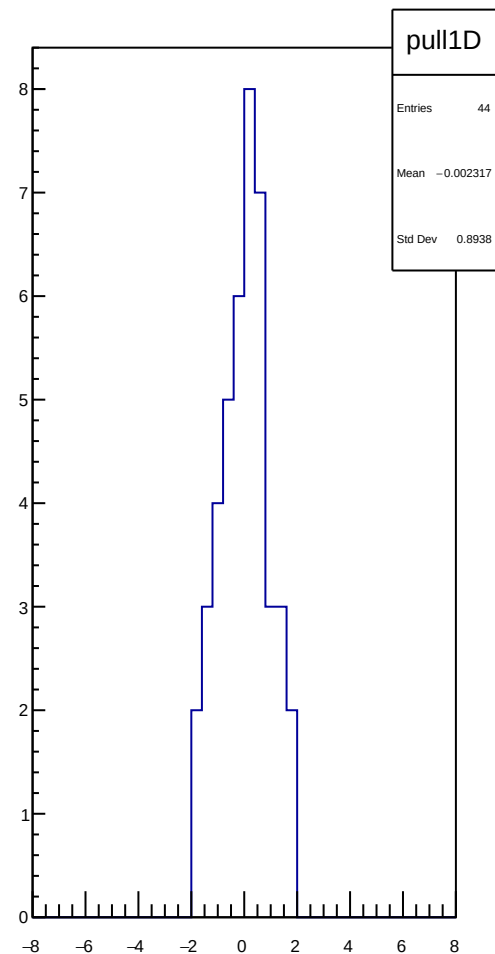
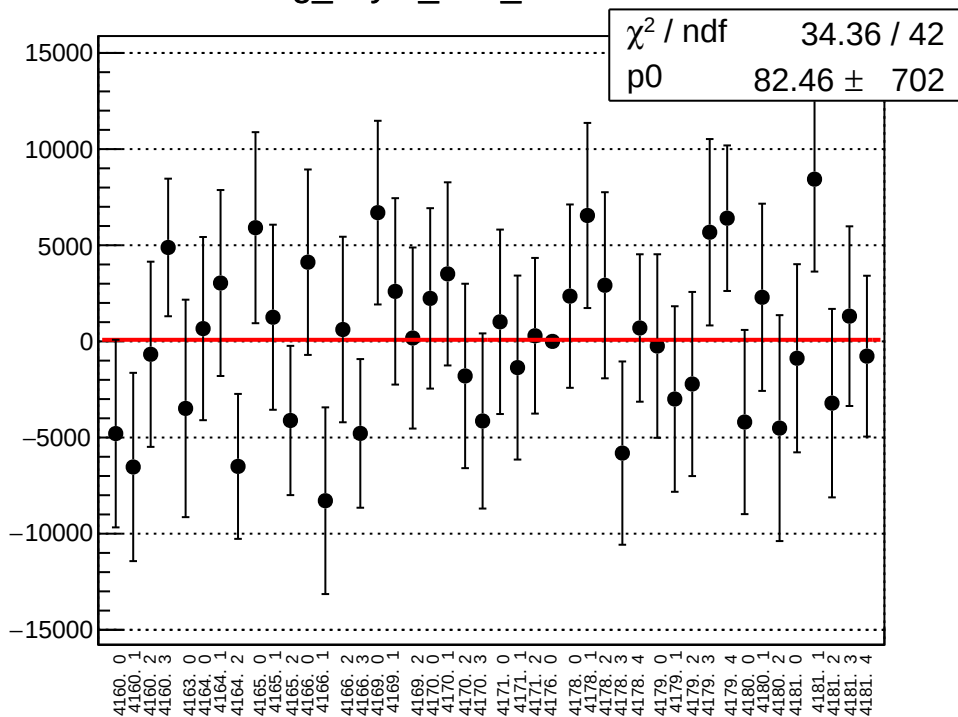
# asym\_atl2\_mean vs run



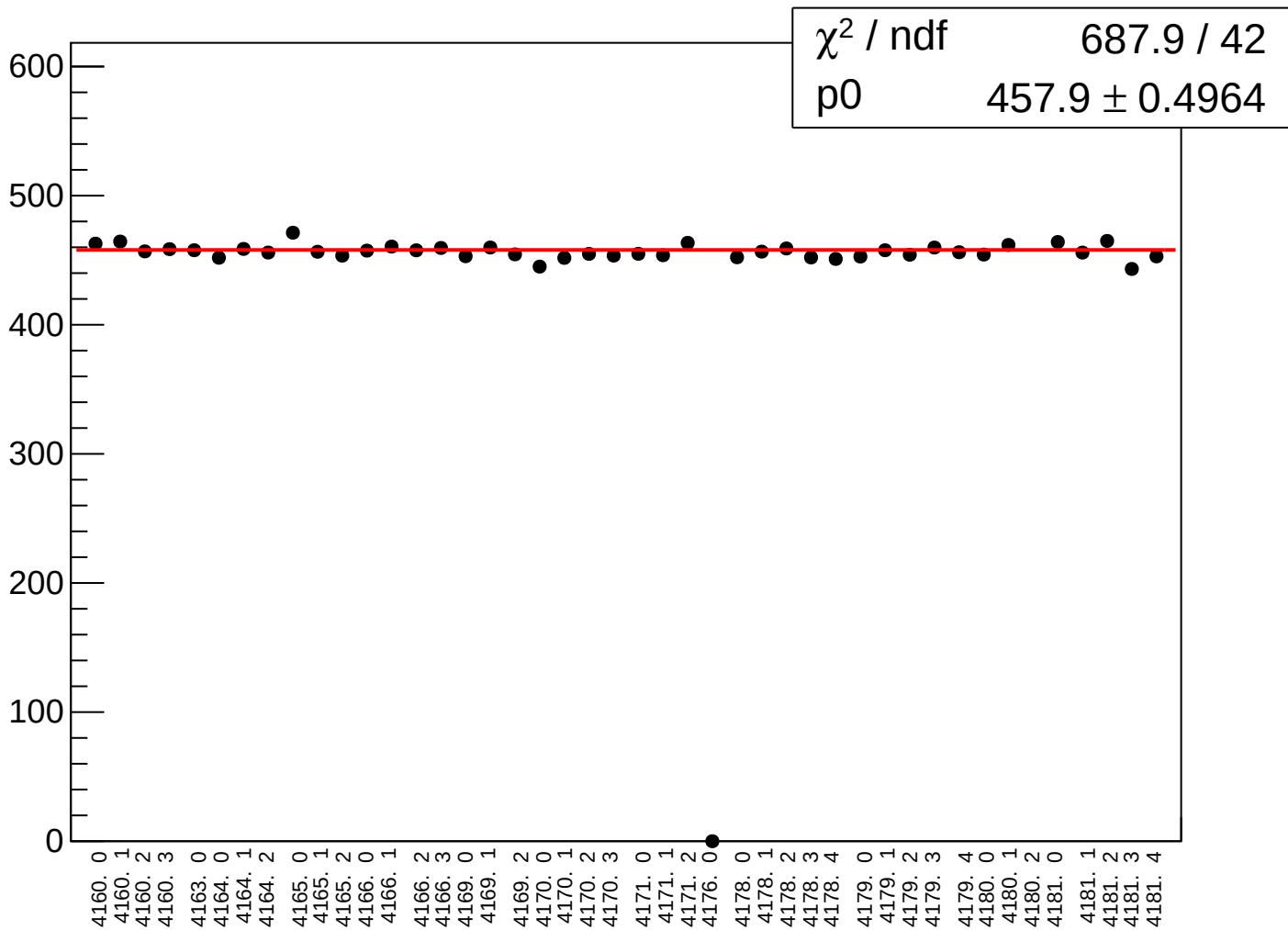
# asym\_atl2\_rms vs run



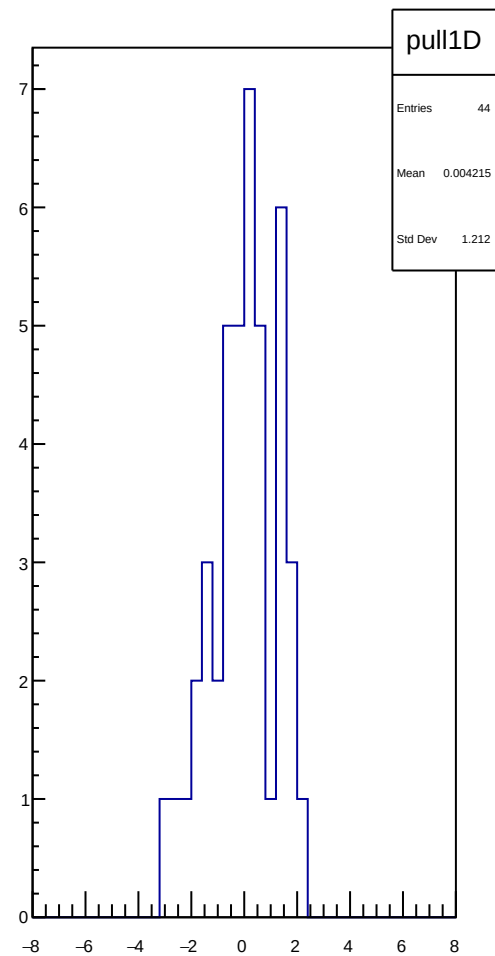
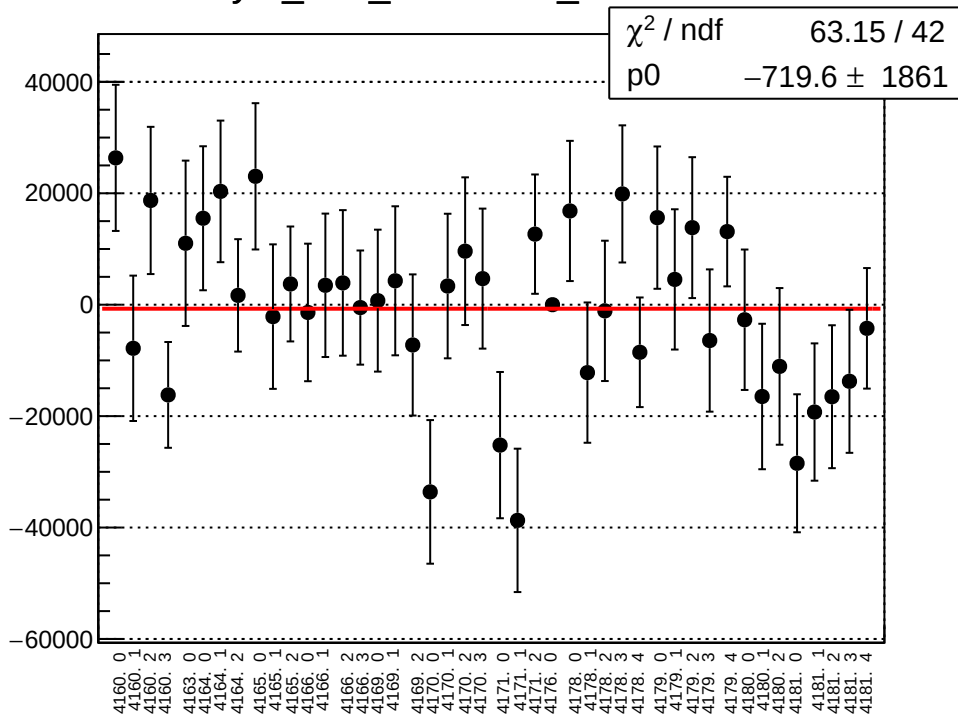
# reg\_asym\_atr1\_mean vs run



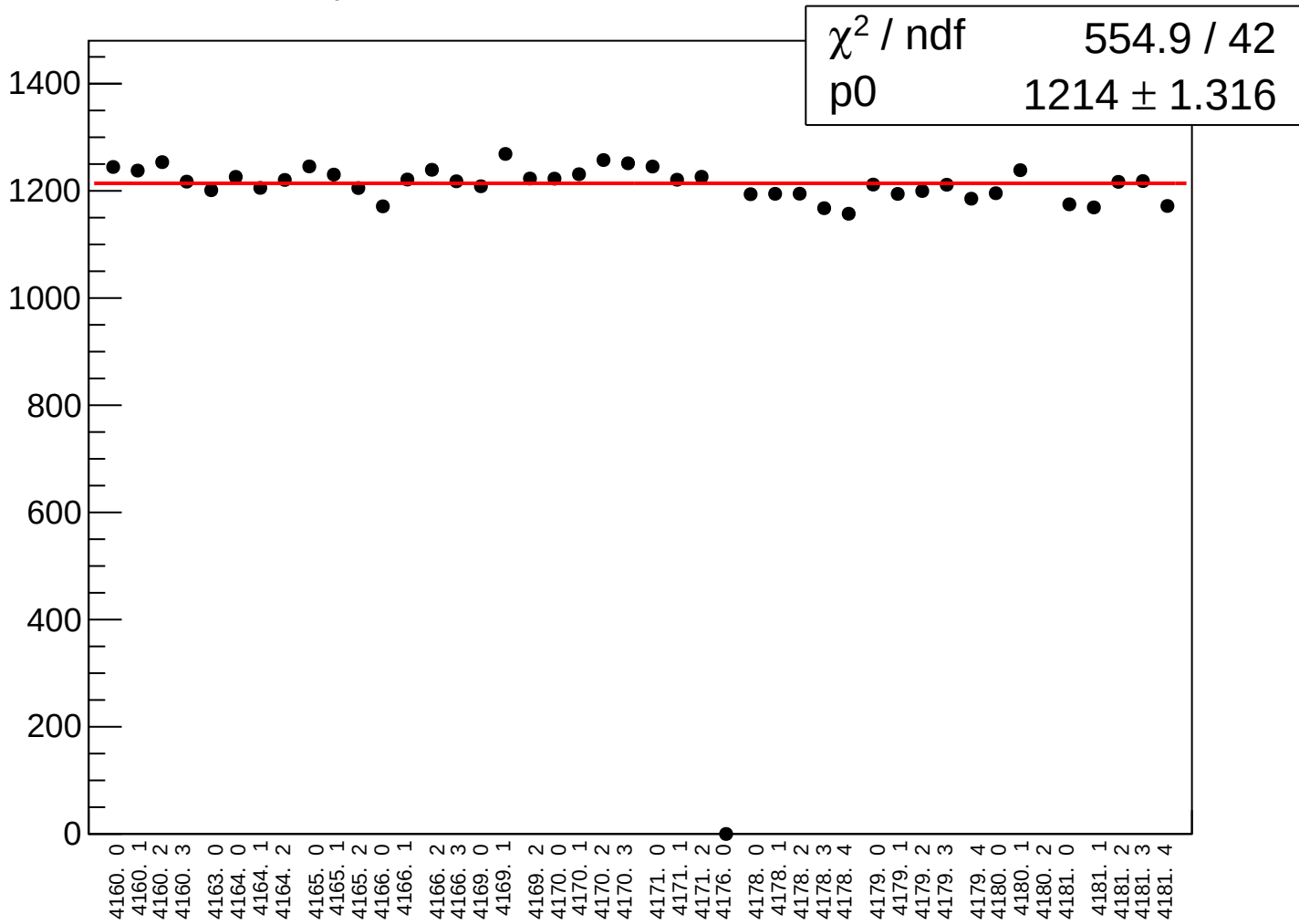
reg\_asym\_atr1\_rms vs run



# asym\_atr1\_correction\_mean vs run

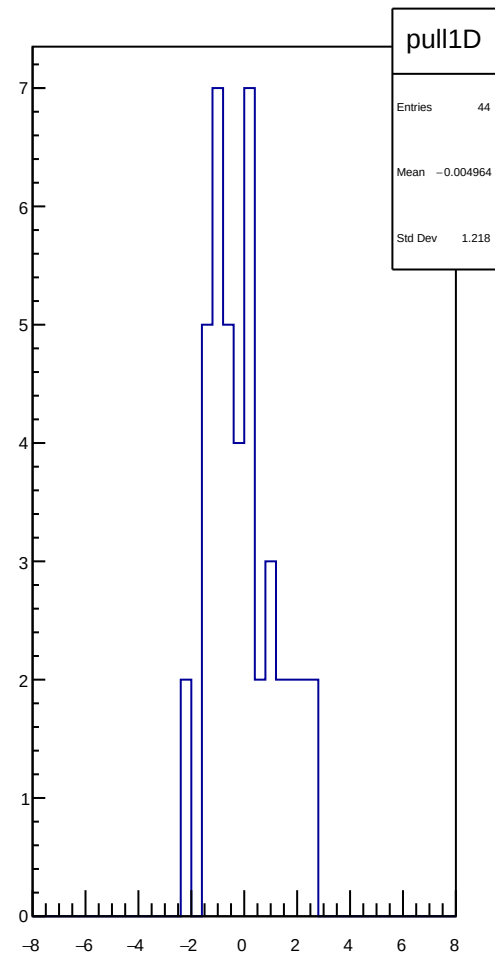
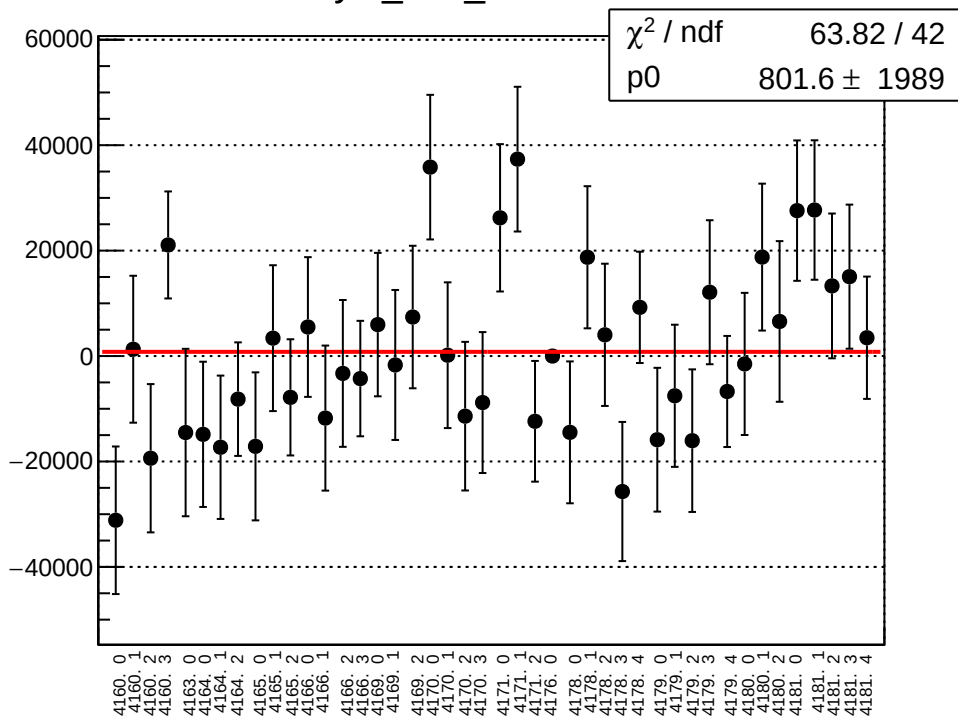


# asym\_atr1\_correction\_rms vs run

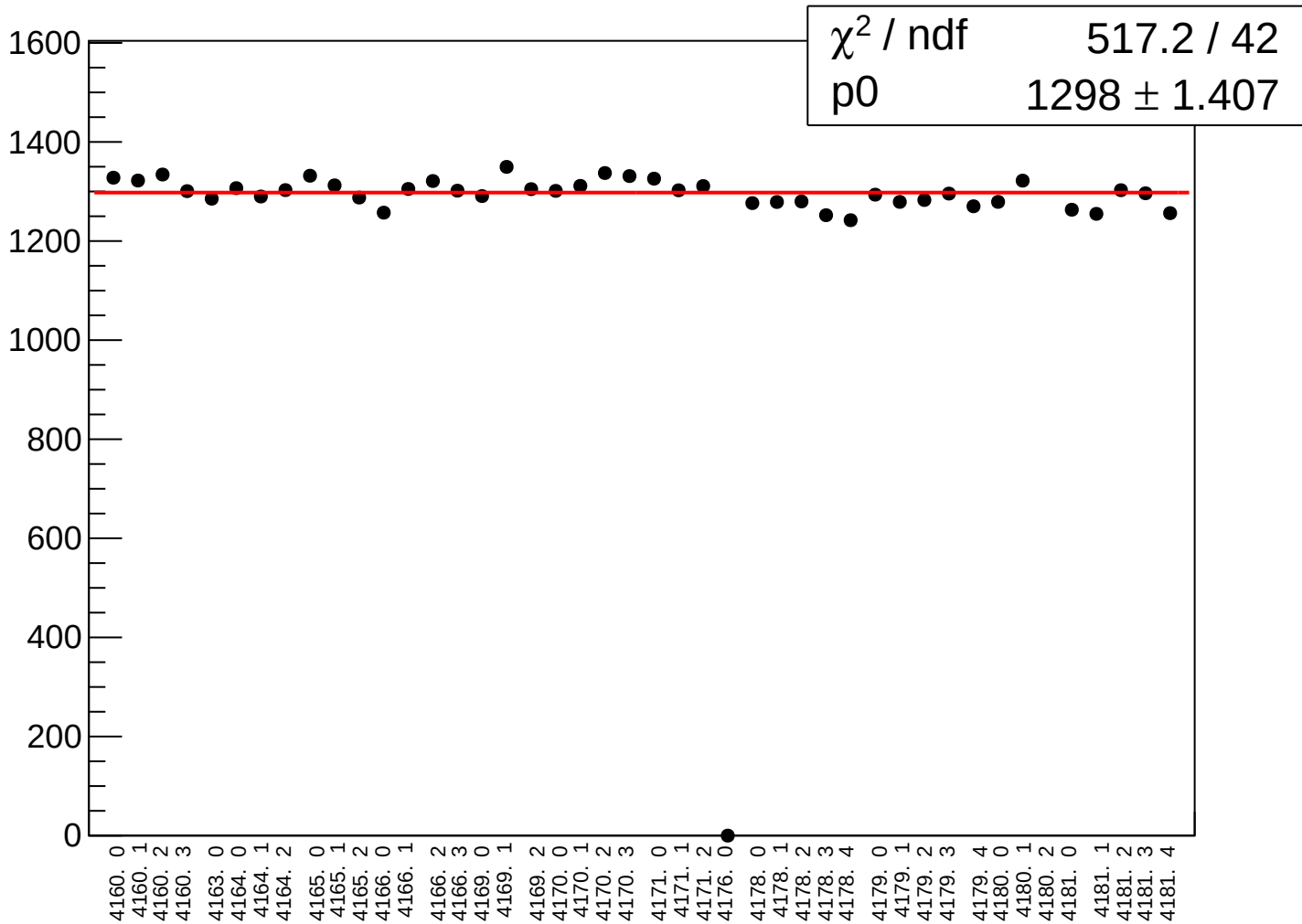




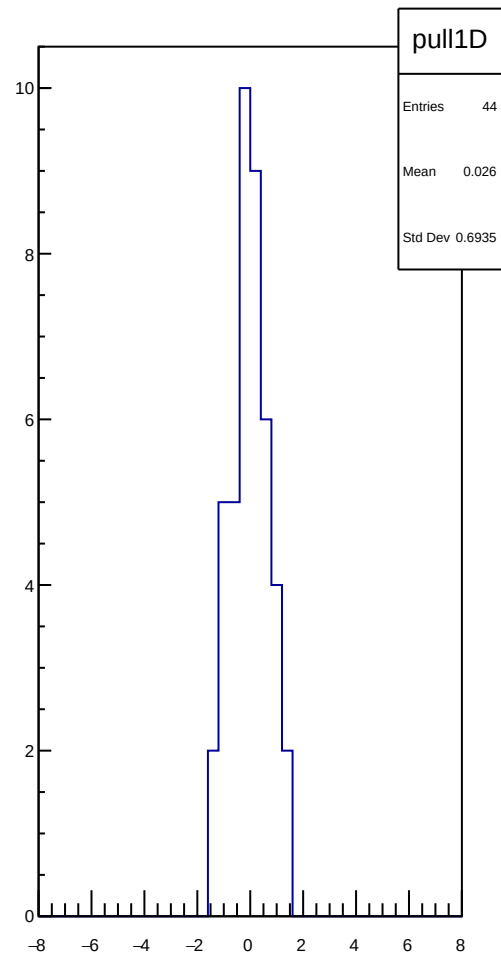
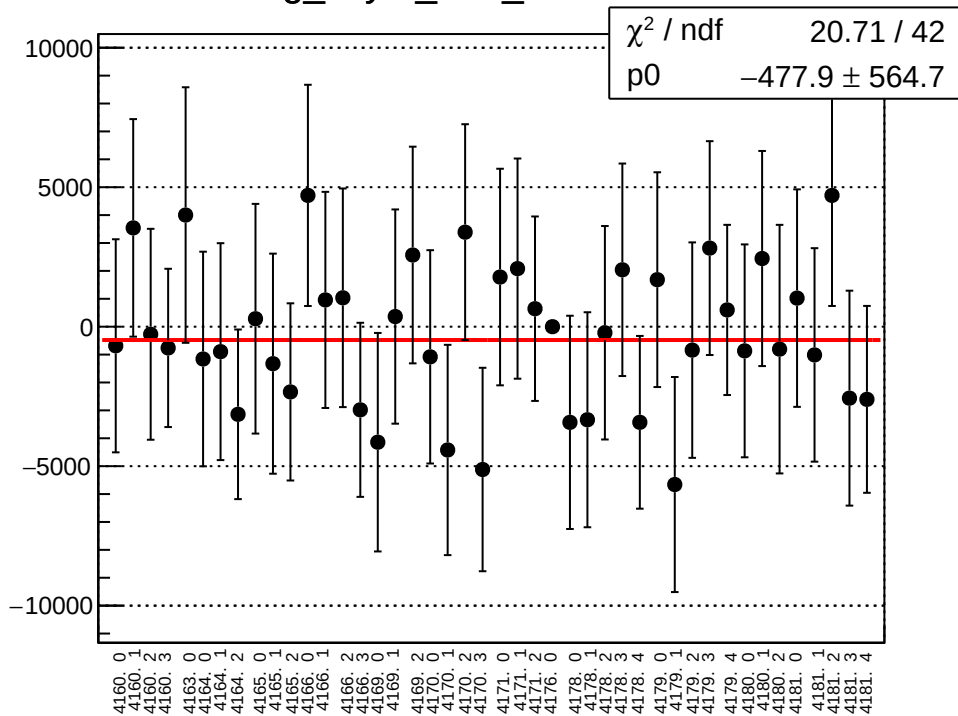
asym\_atr1\_mean vs run



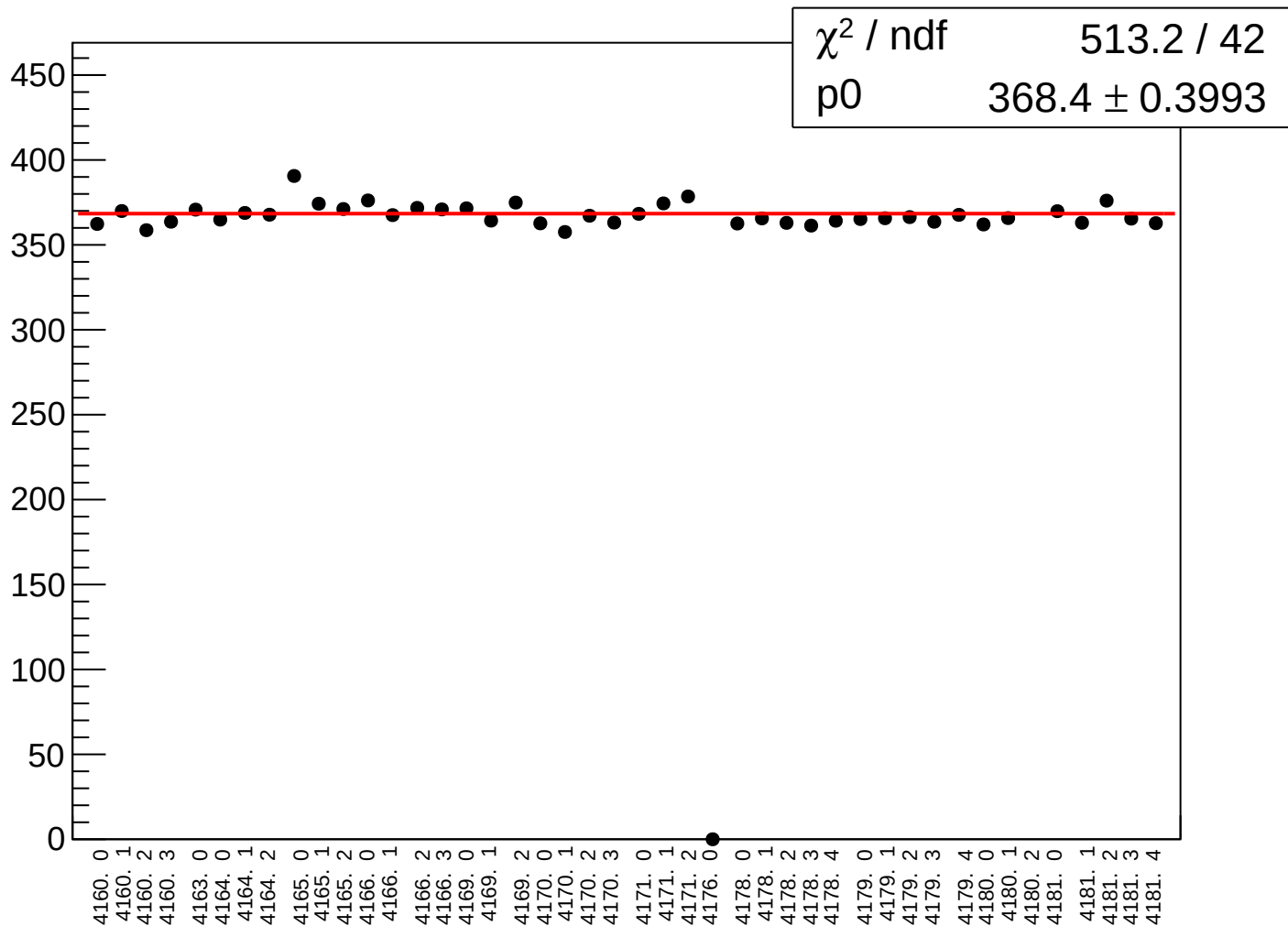
# asym\_atr1\_rms vs run



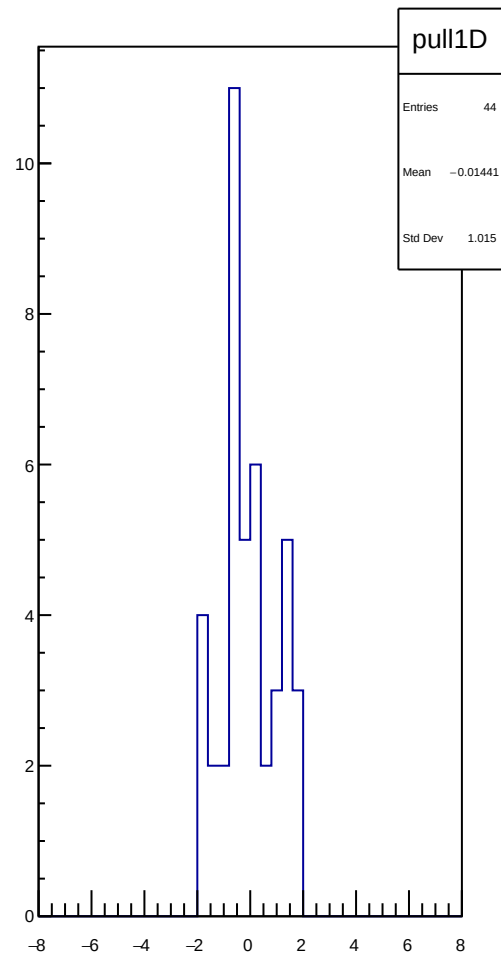
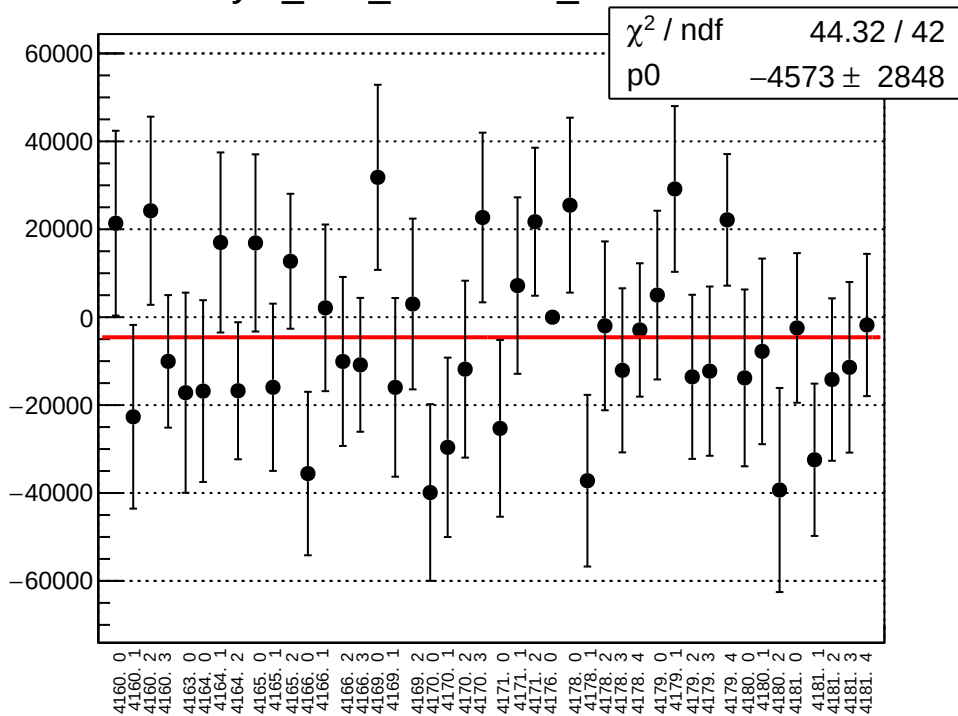
reg\_asym\_atr2\_mean vs run



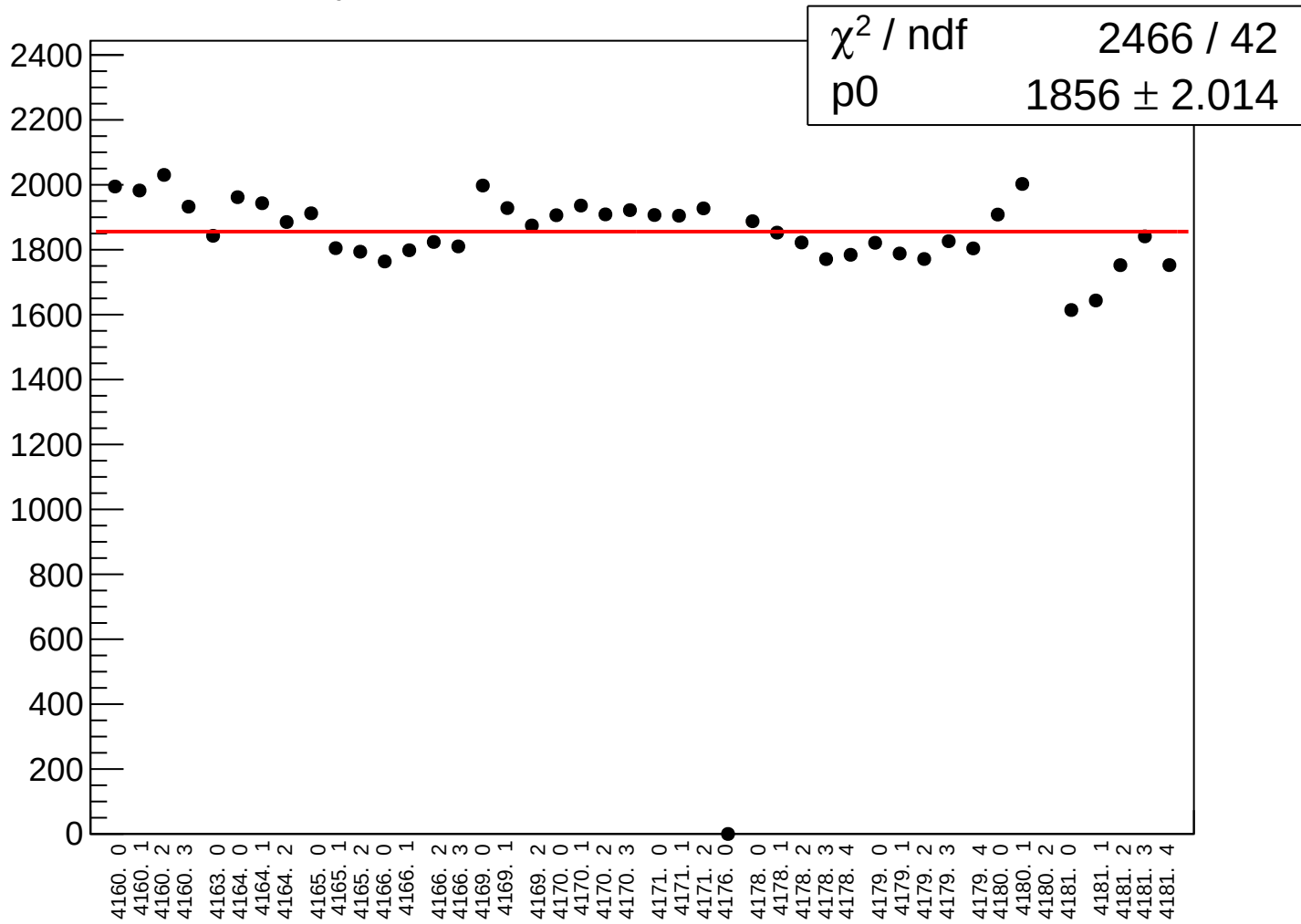
# reg\_asym\_atr2\_rms vs run



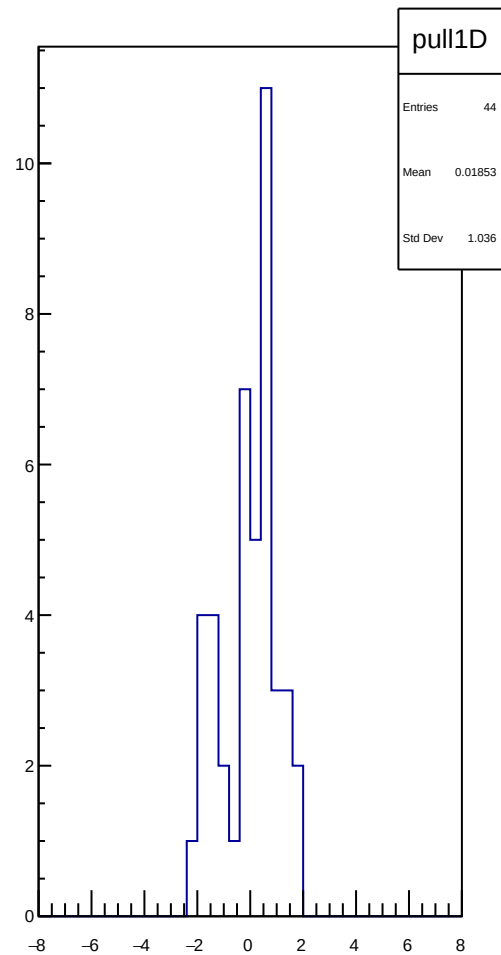
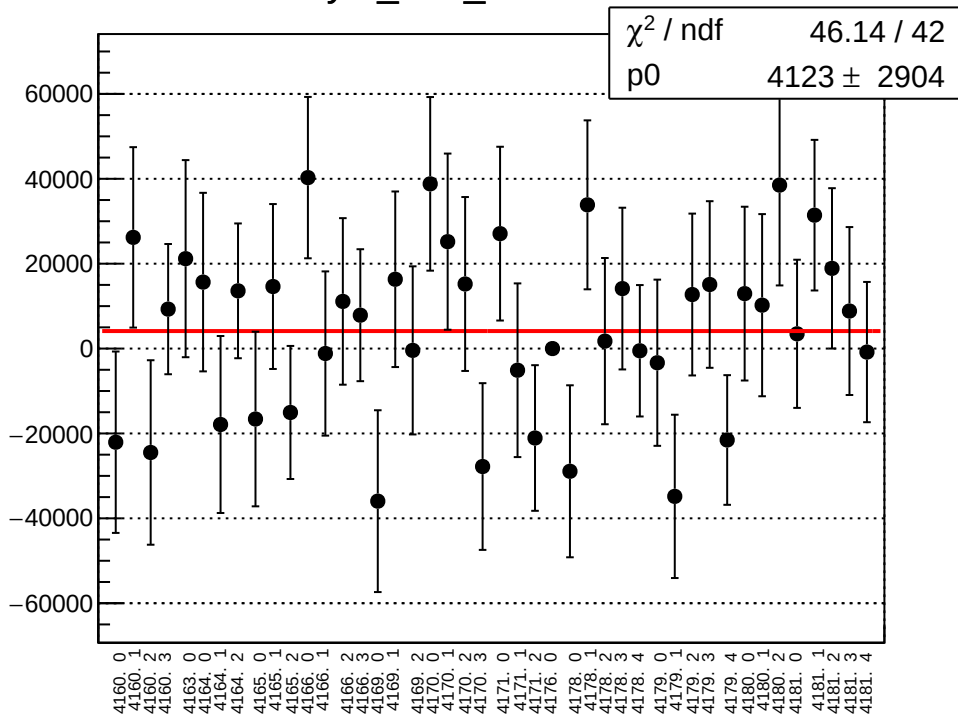
asym\_atr2\_correction\_mean vs run



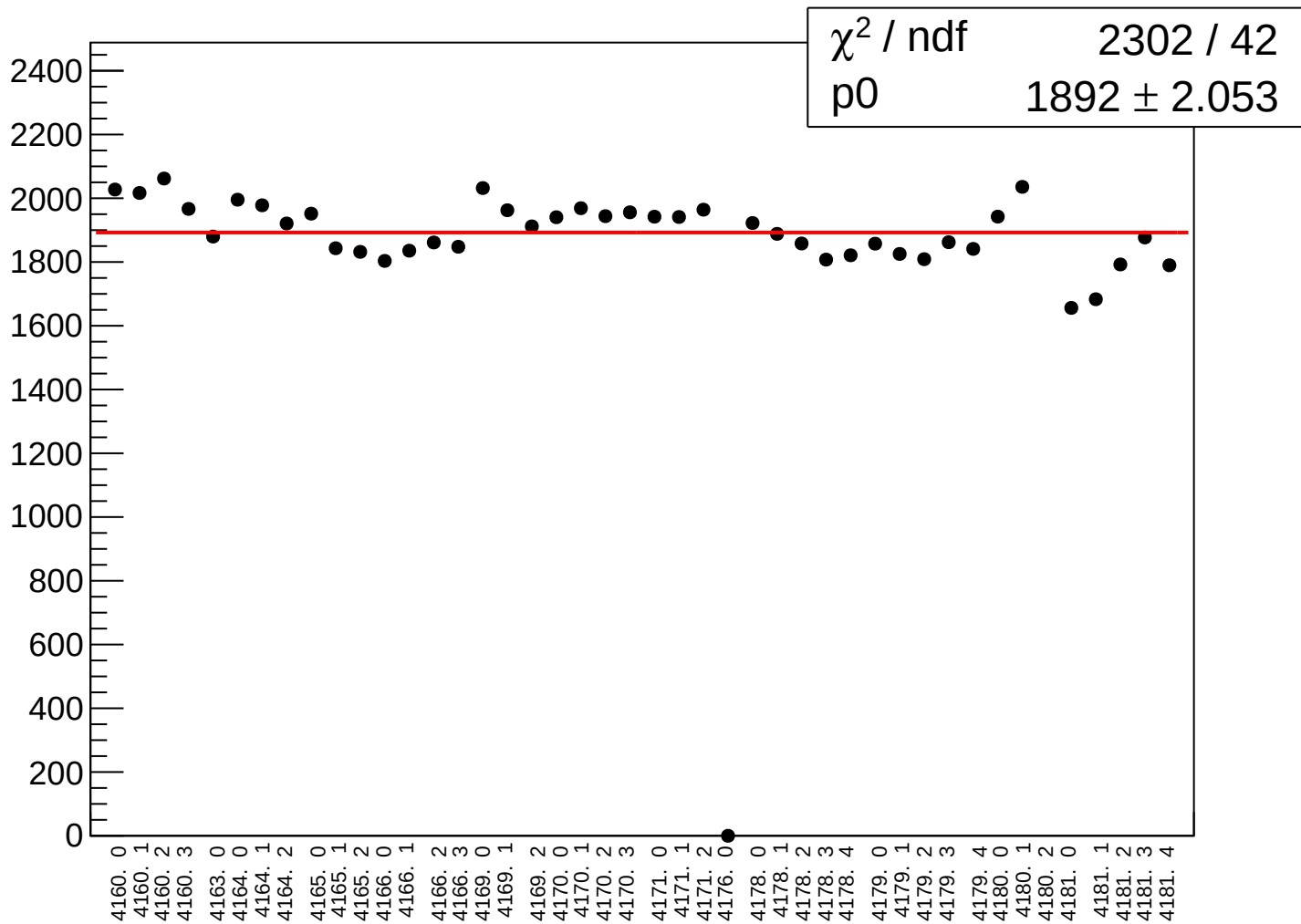
# asym\_atr2\_correction\_rms vs run



asym\_atr2\_mean vs run

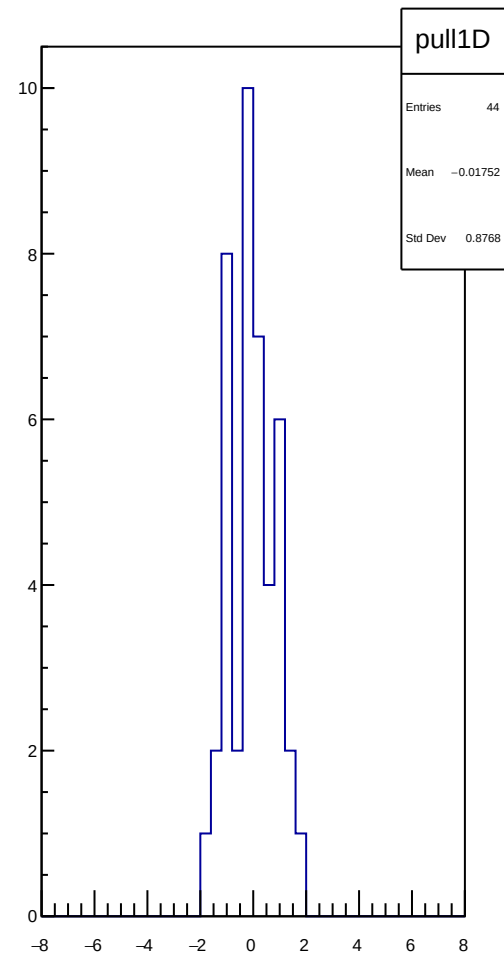
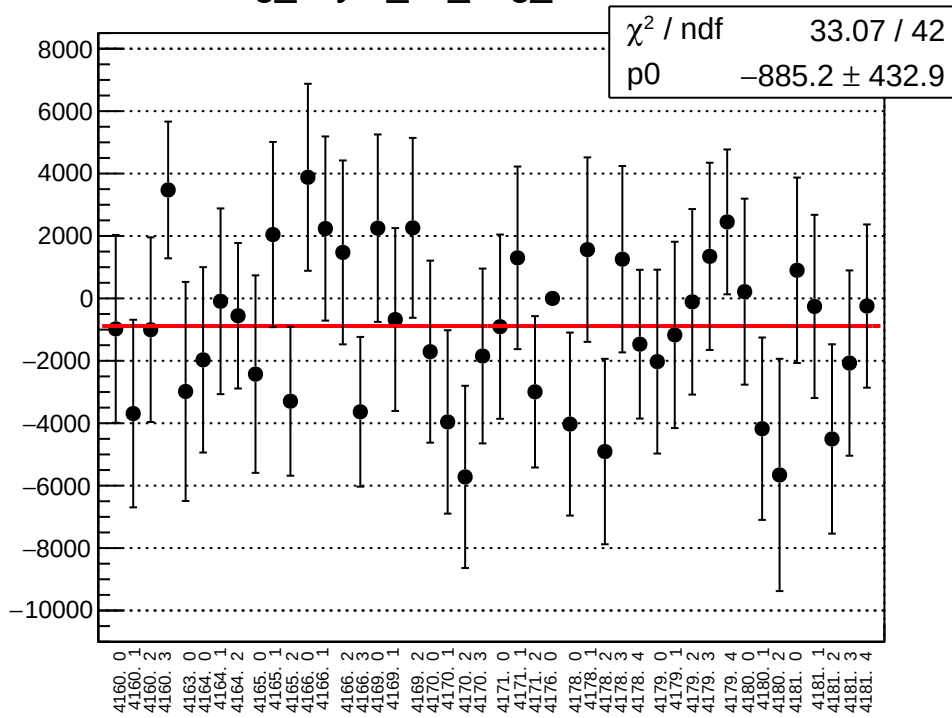


# asym\_atr2\_rms vs run

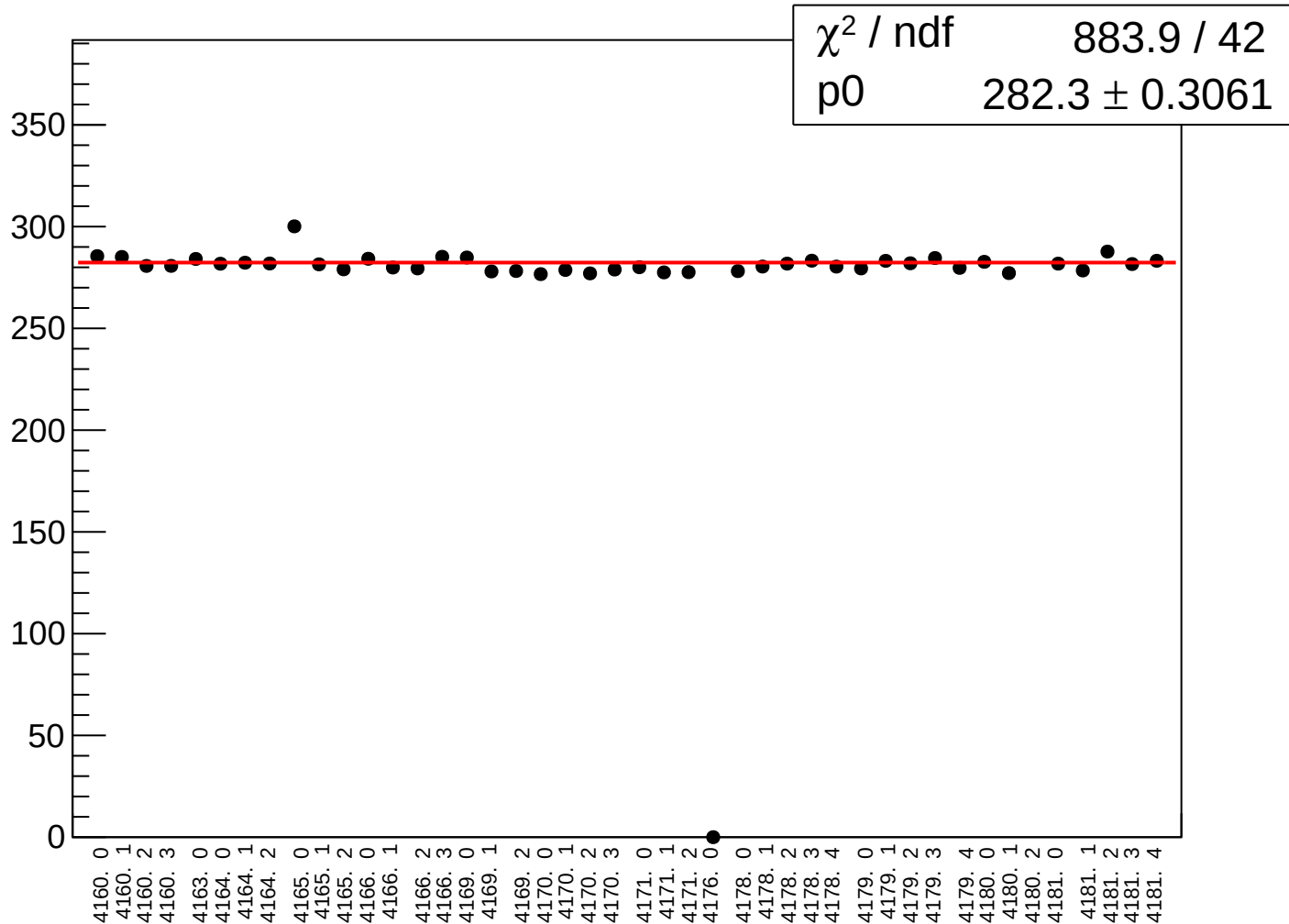




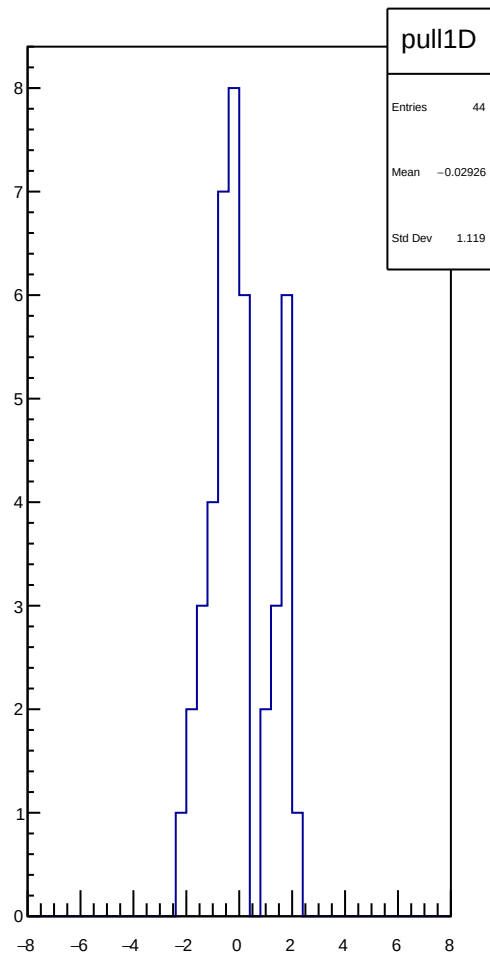
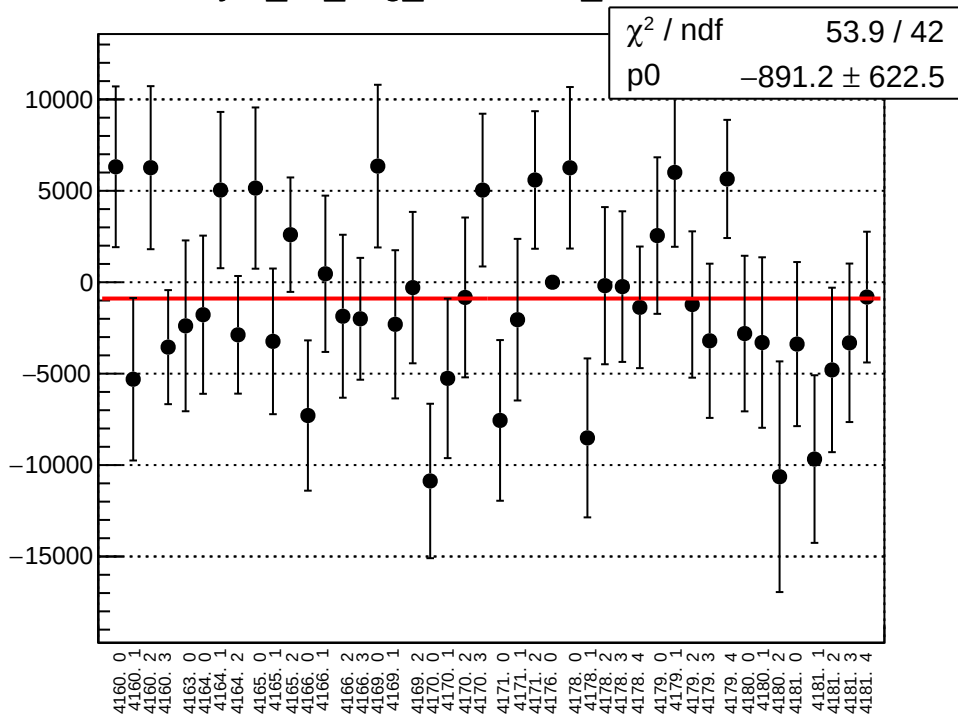
# reg\_asym\_atl\_avg\_mean vs run



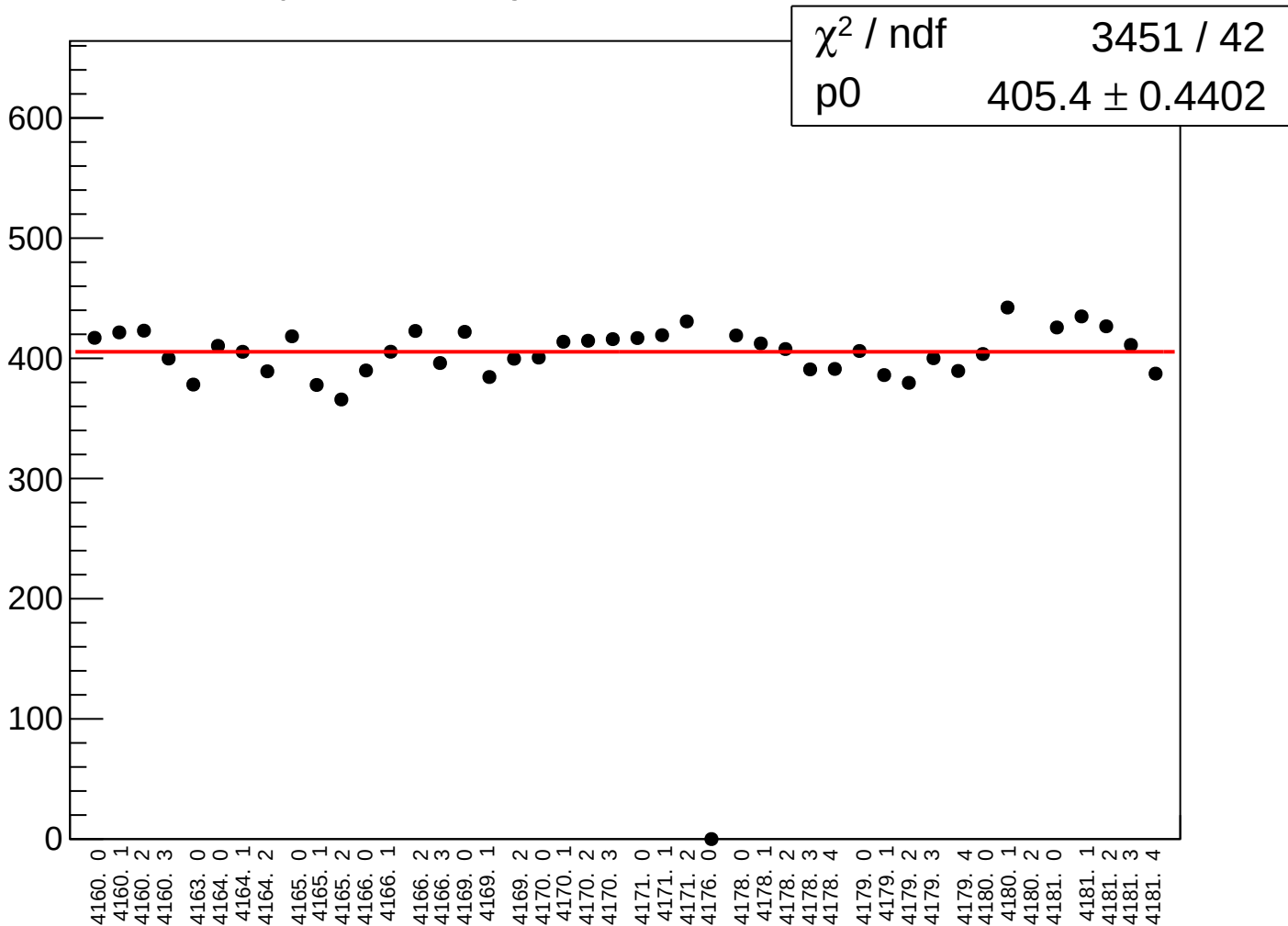
# reg\_asym\_atl\_avg\_rms vs run



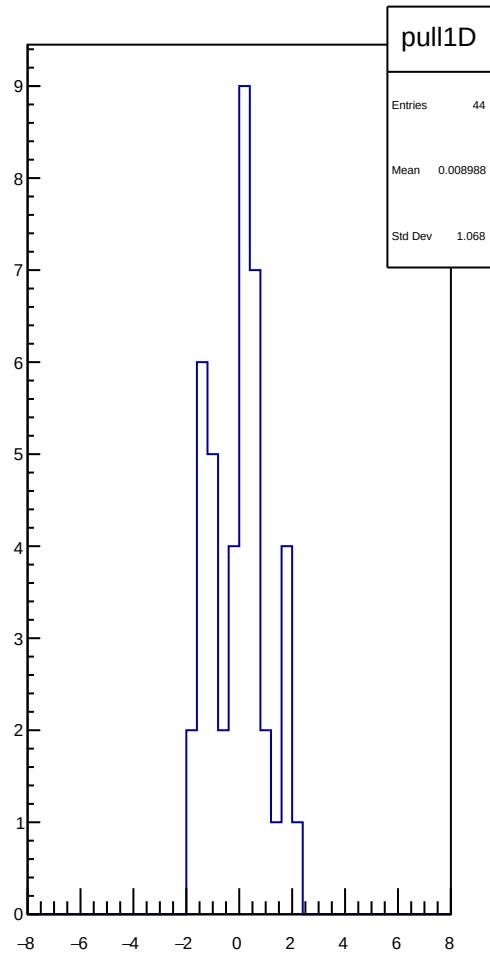
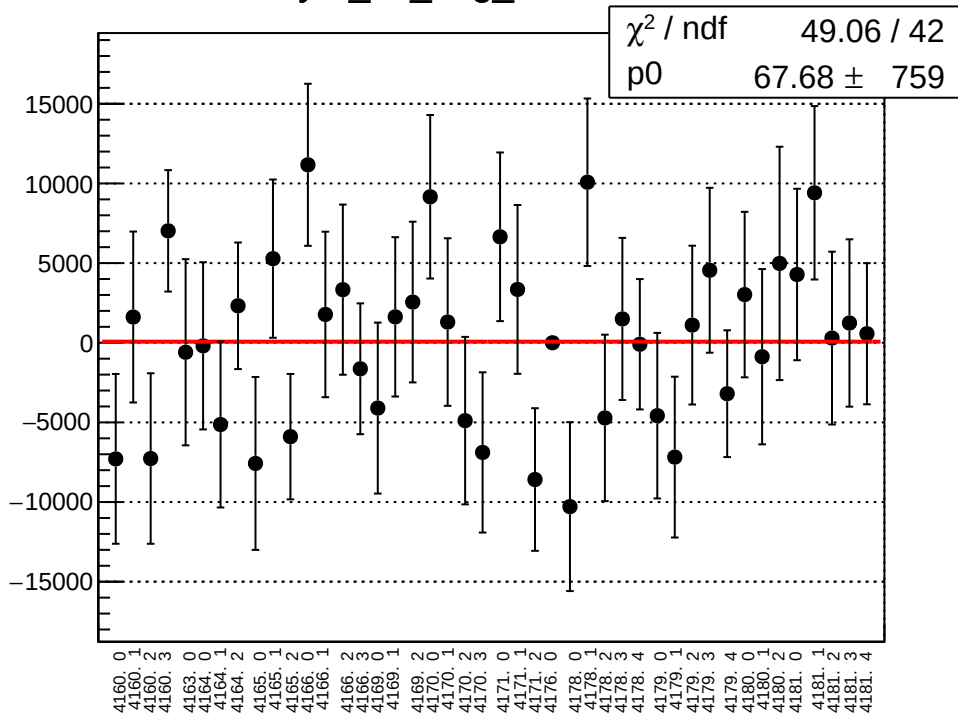
asym\_atl\_avg\_correction\_mean vs run



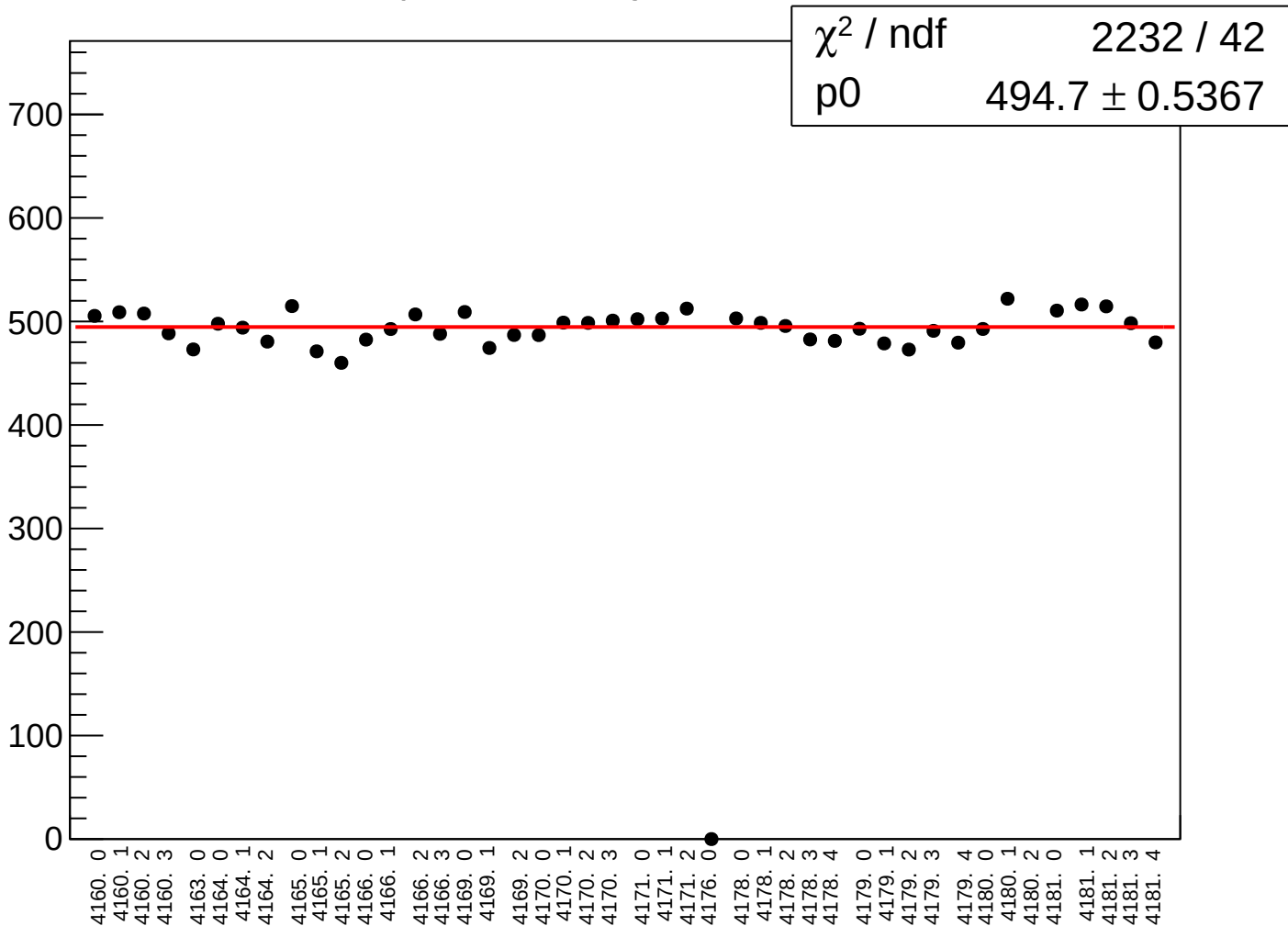
# asym\_atl\_avg\_correction\_rms vs run



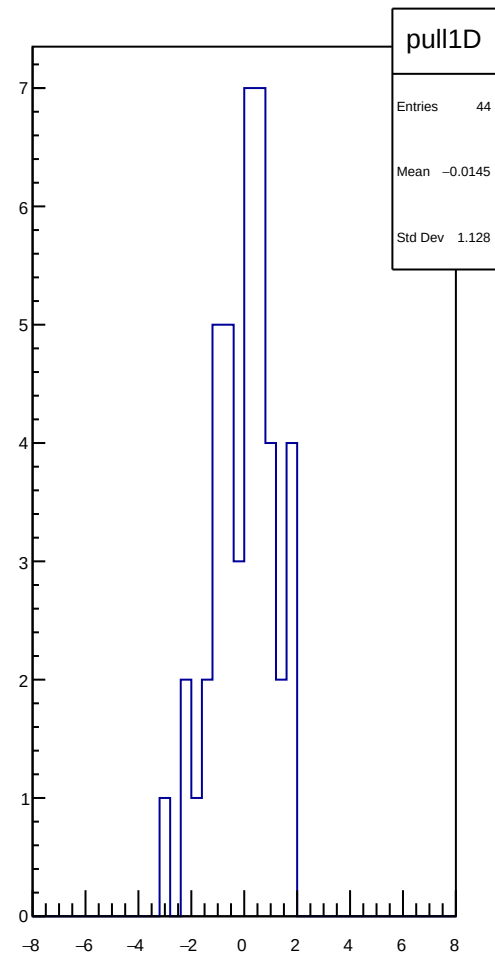
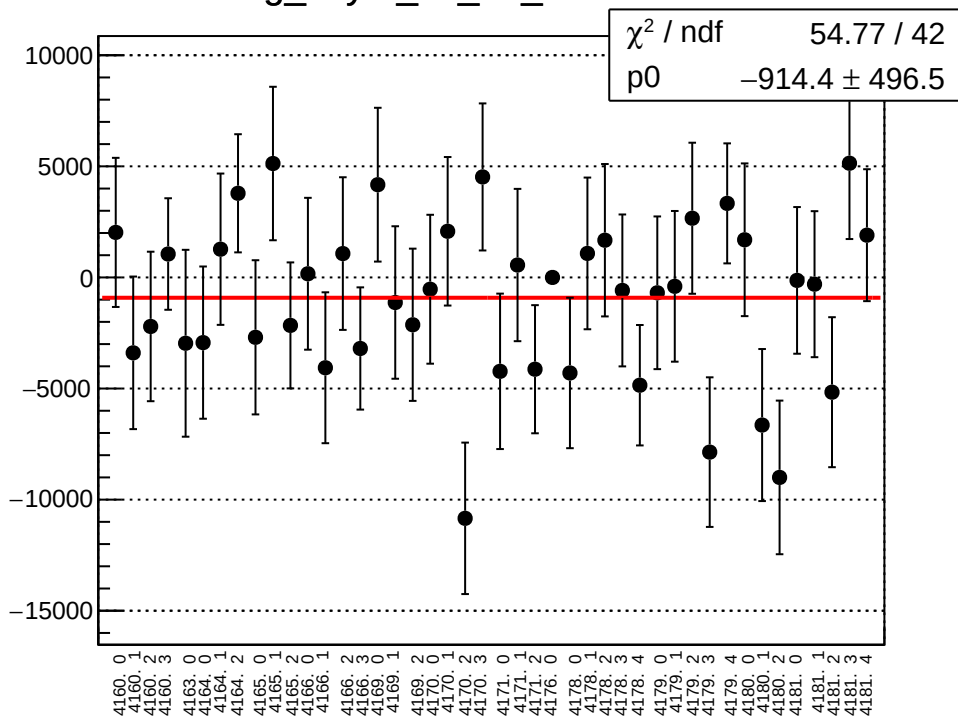
asym\_atl\_avg\_mean vs run



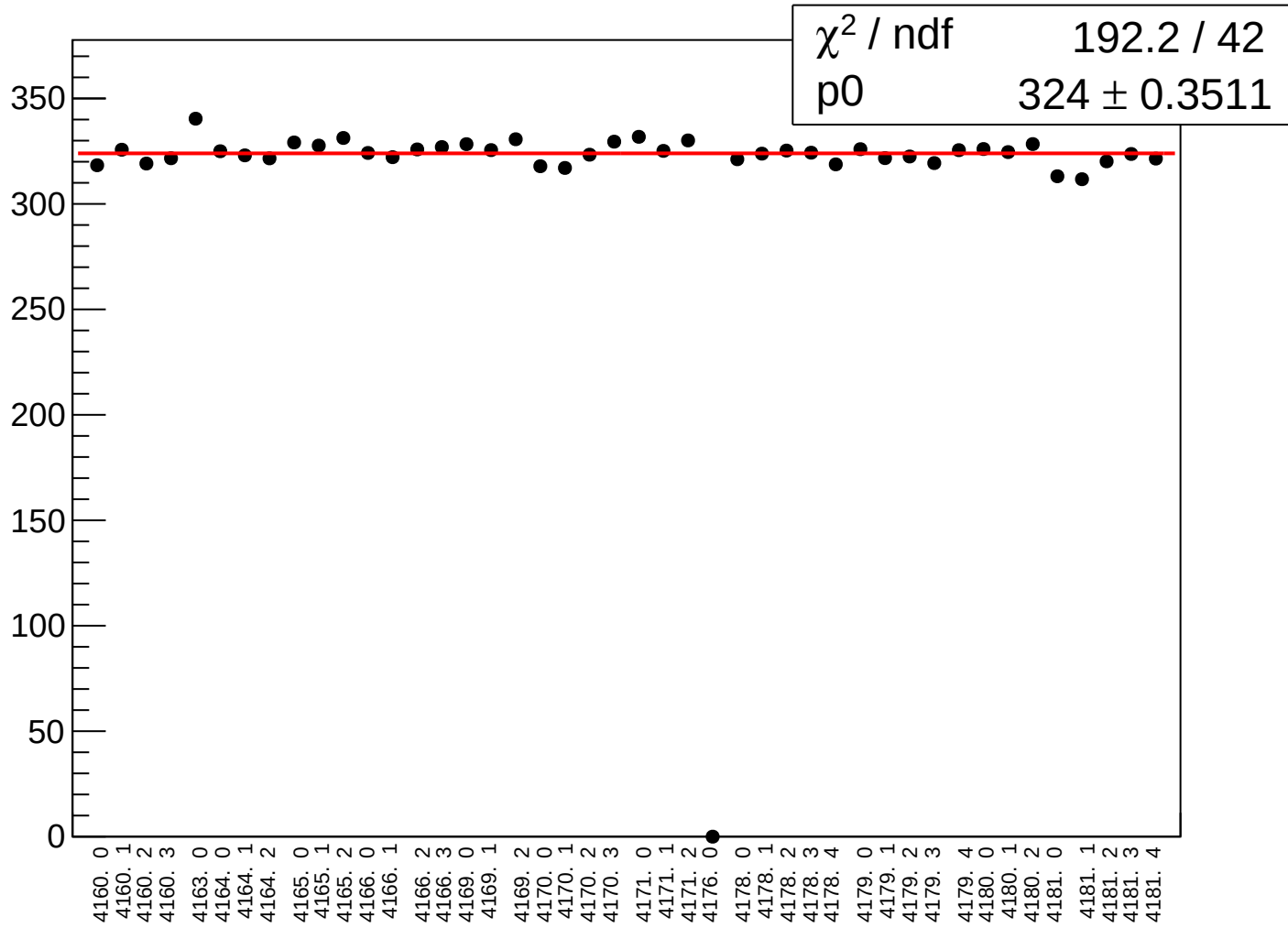
# asym\_atl\_avg\_rms vs run



# reg\_asym\_atl\_dd\_mean vs run

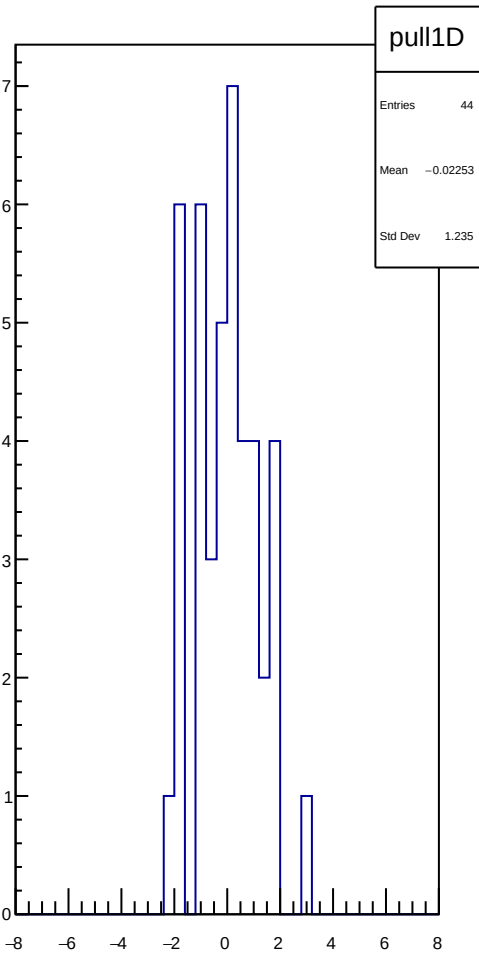
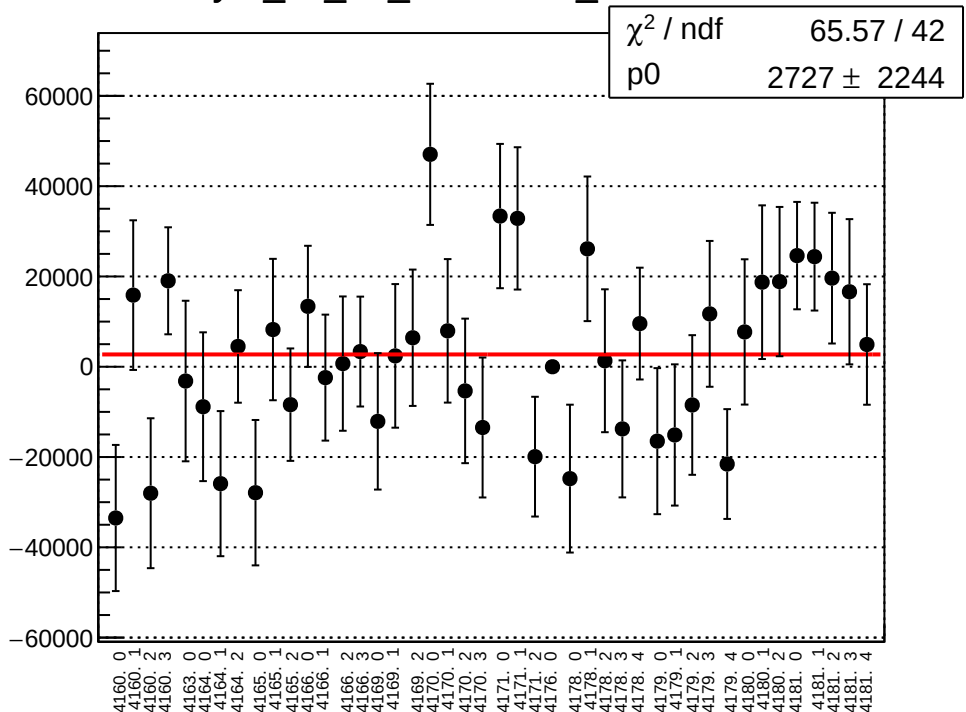


# reg\_asym\_atl\_dd\_rms vs run

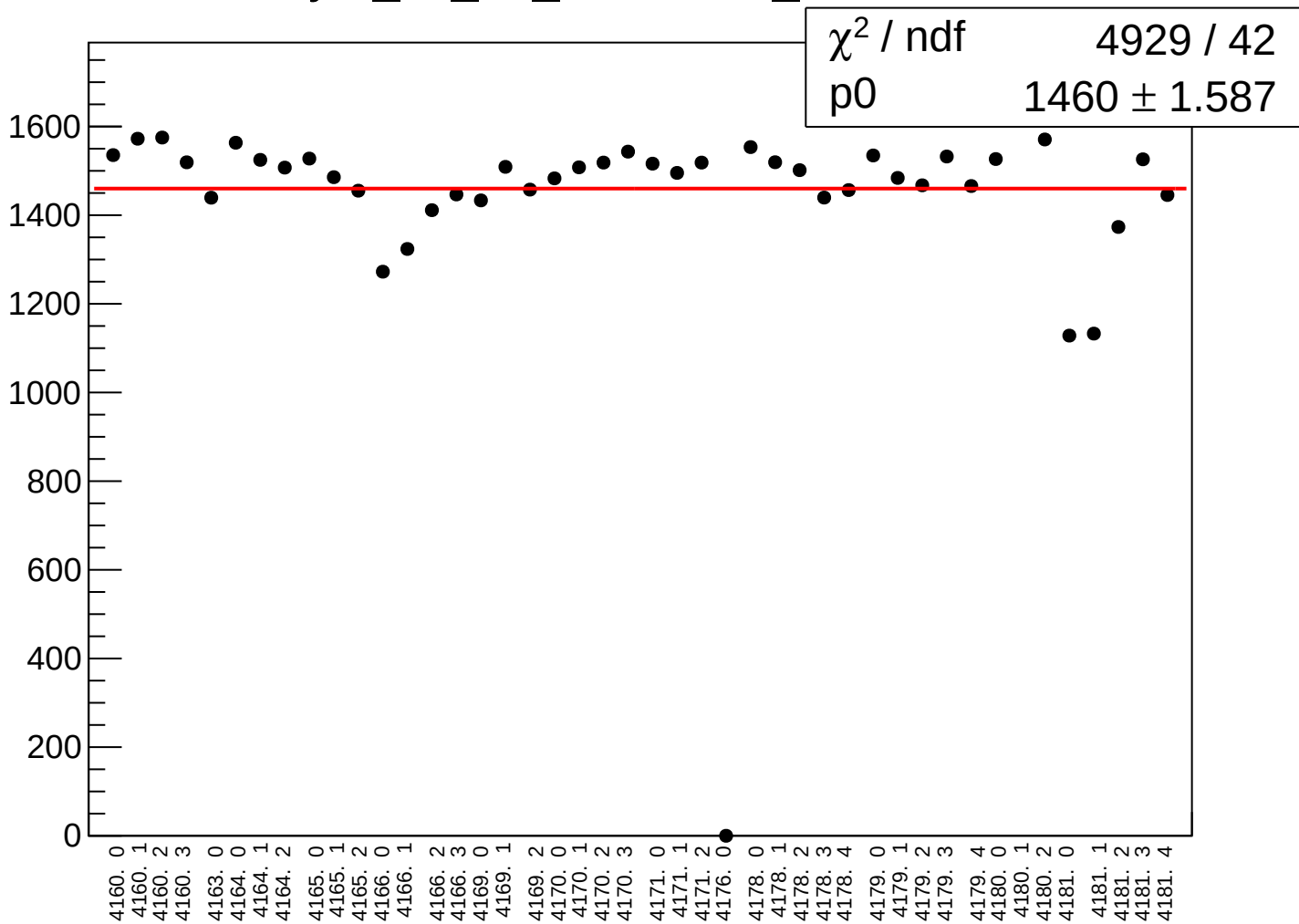




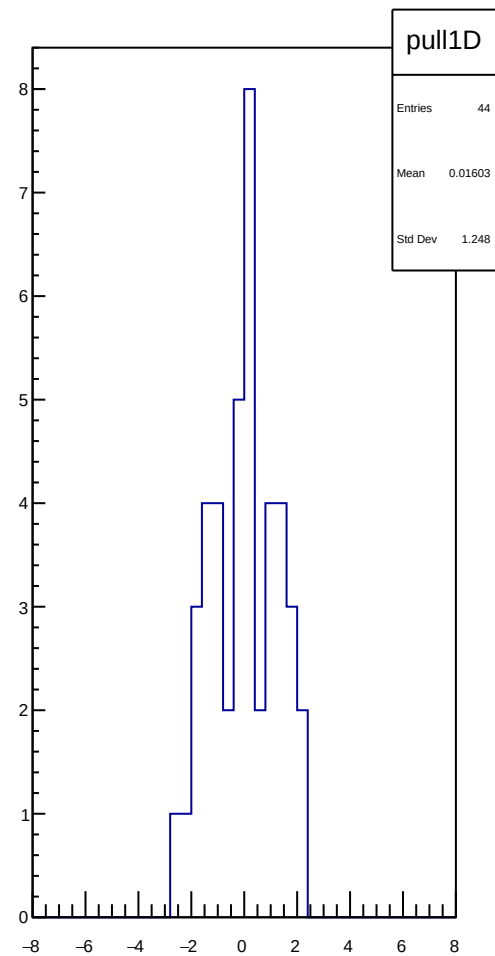
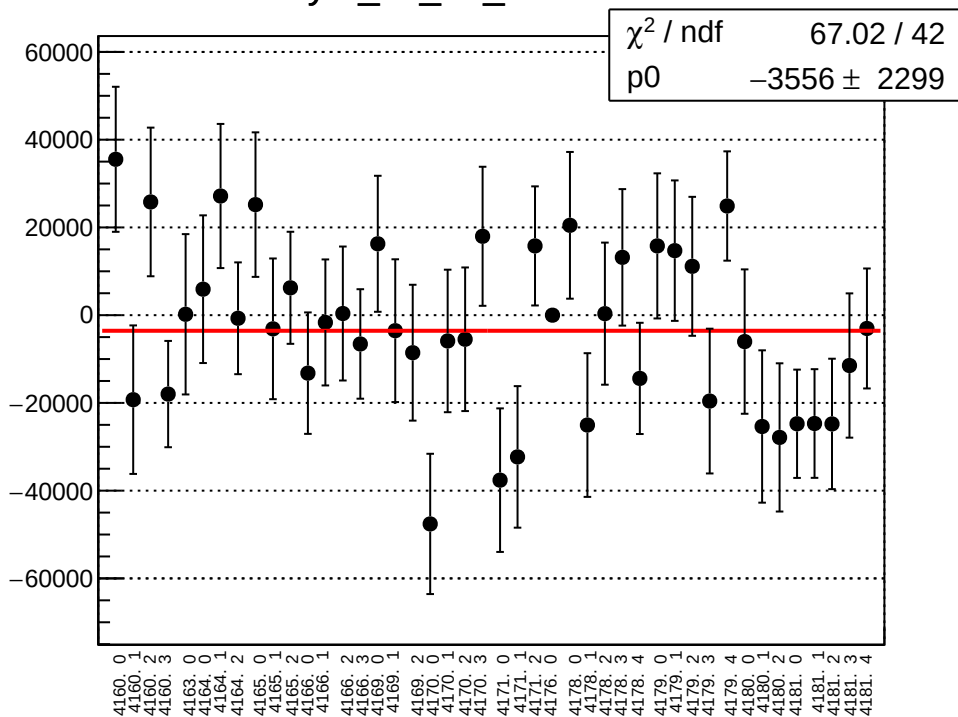
asym\_atl\_dd\_correction\_mean vs run



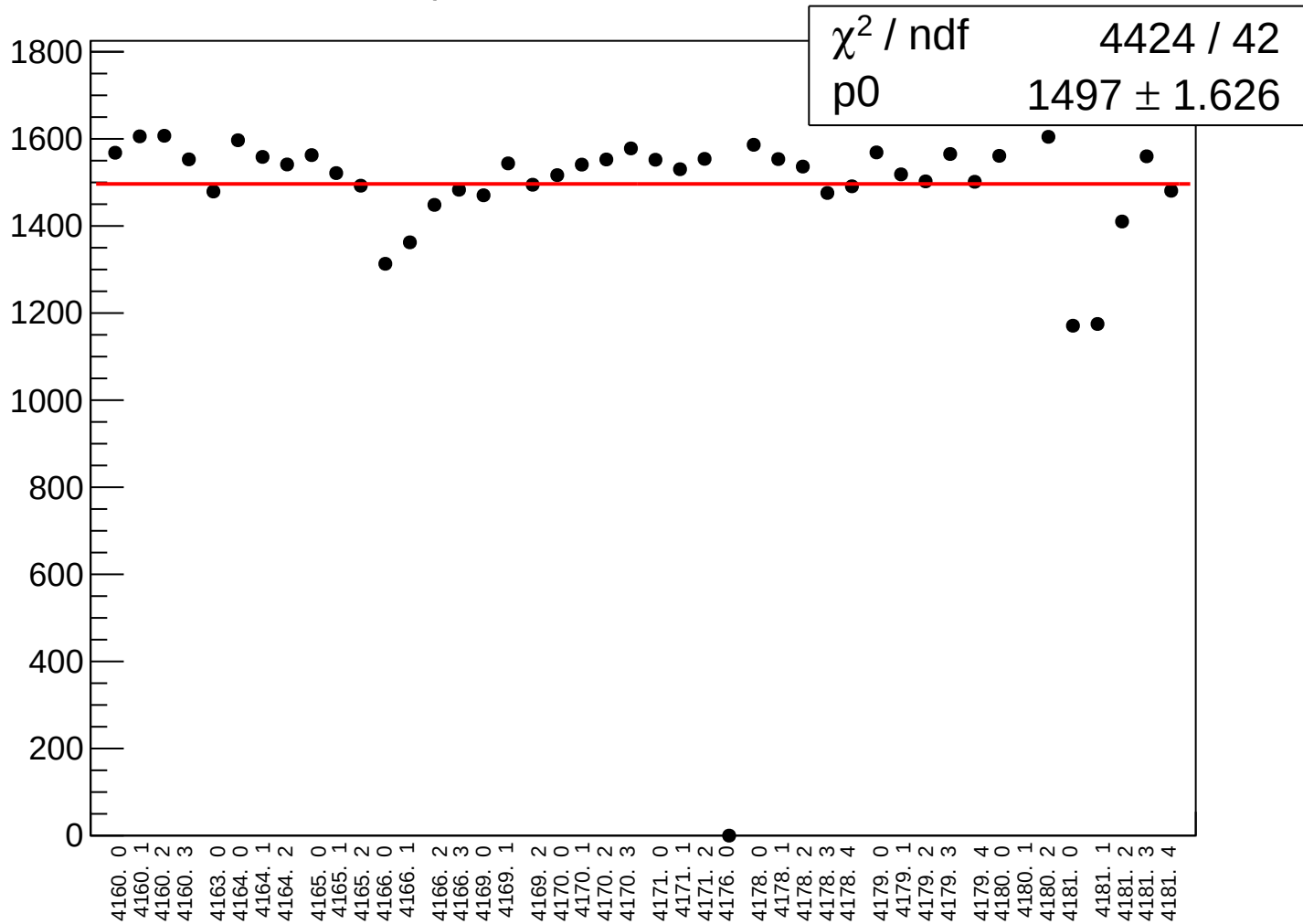
# asym\_atl\_dd\_correction\_rms vs run



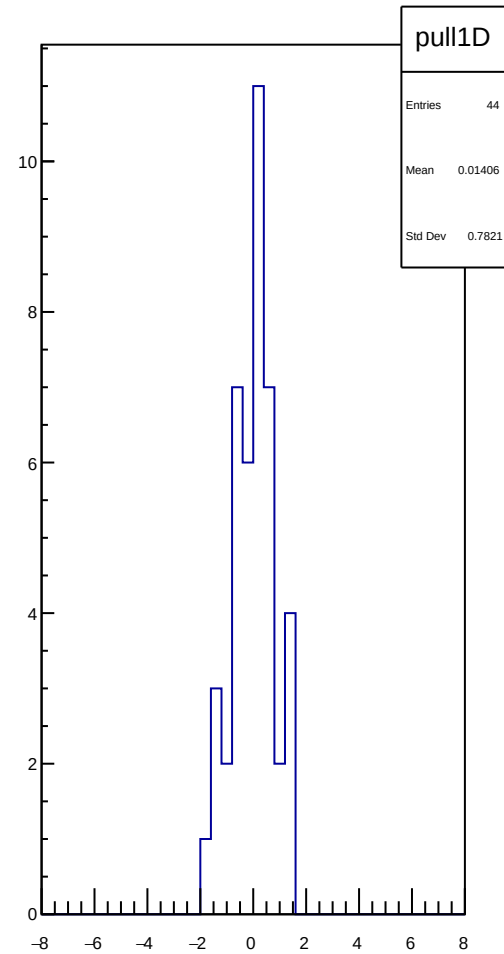
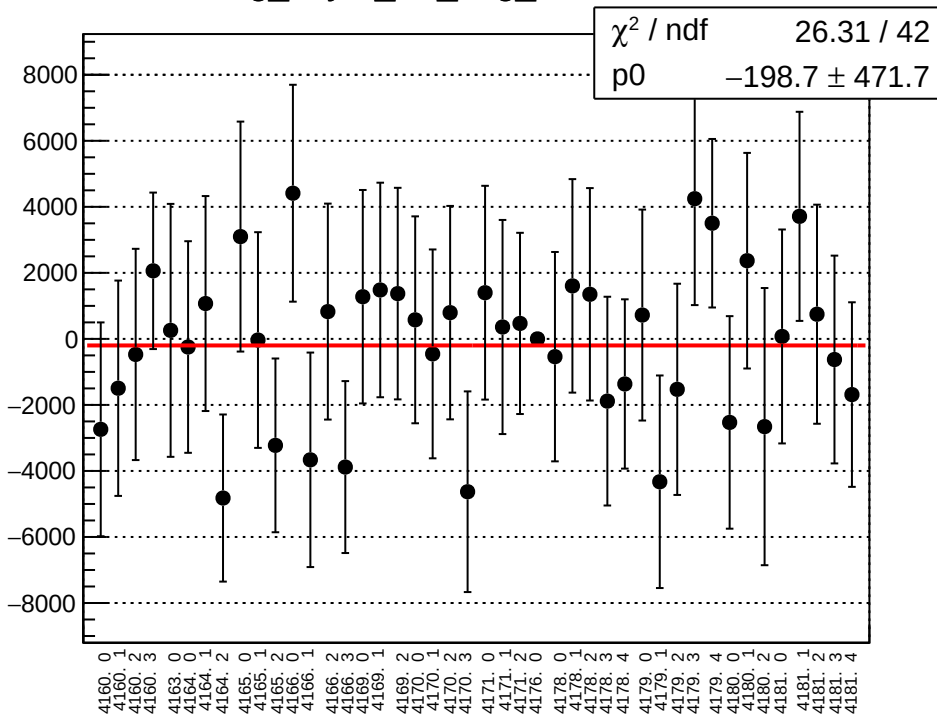
asym\_atl\_dd\_mean vs run



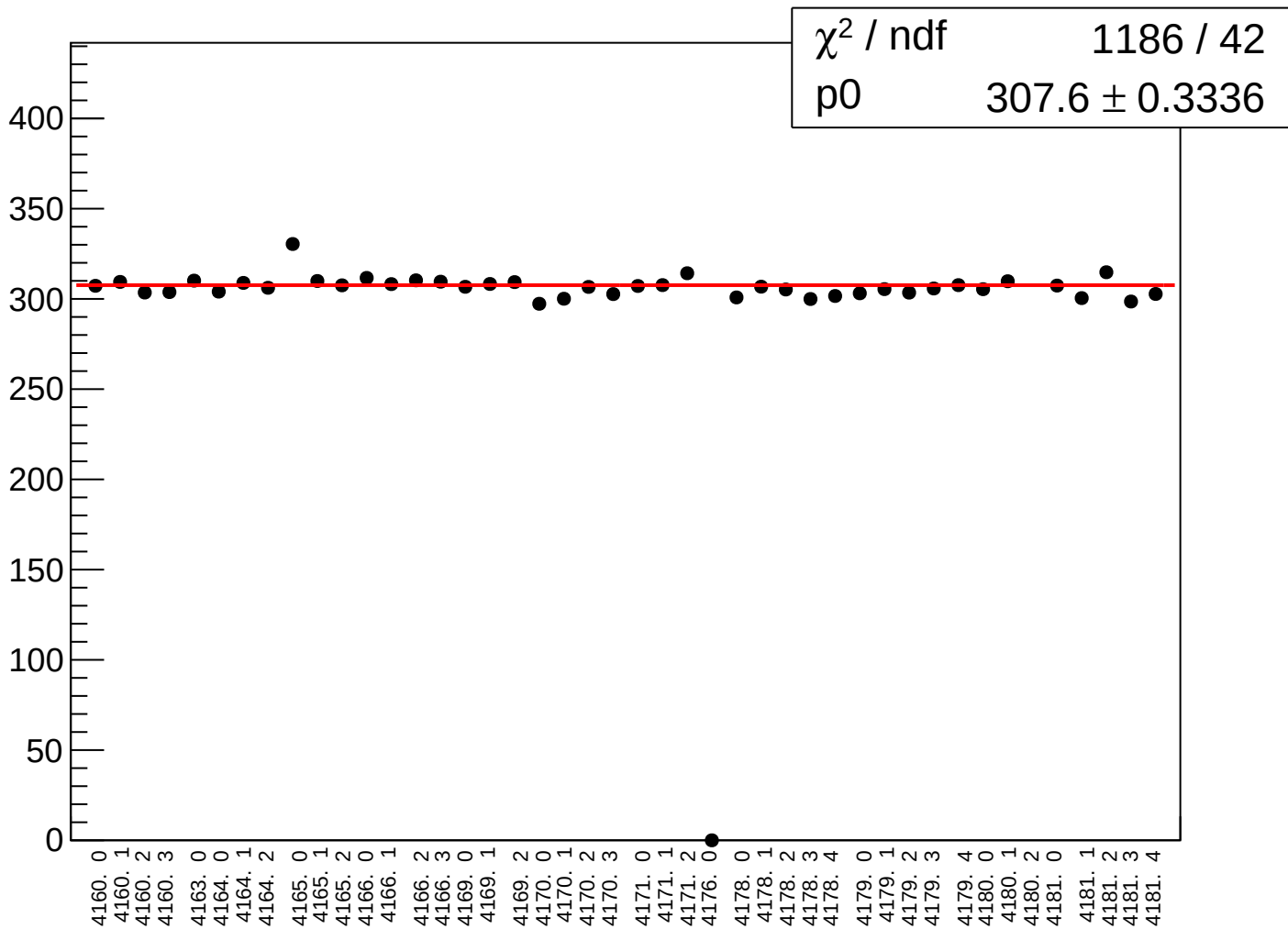
# asym\_atl\_dd\_rms vs run



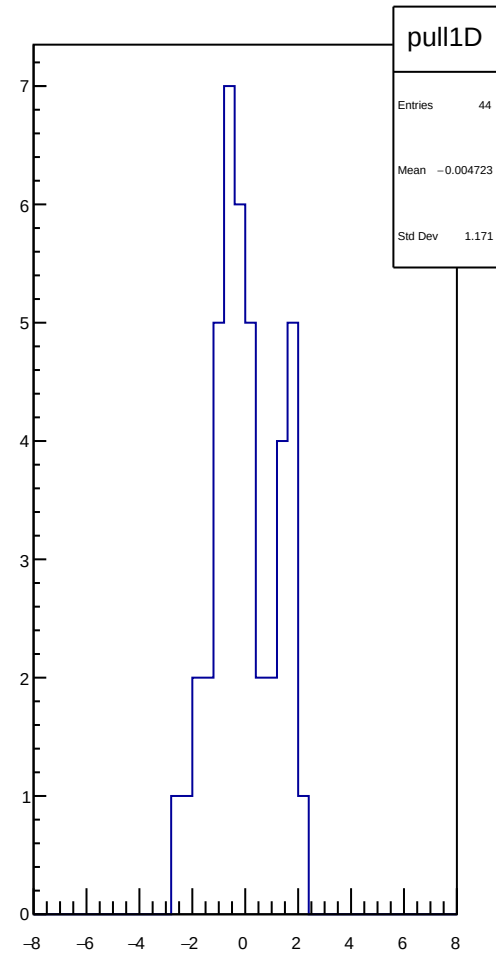
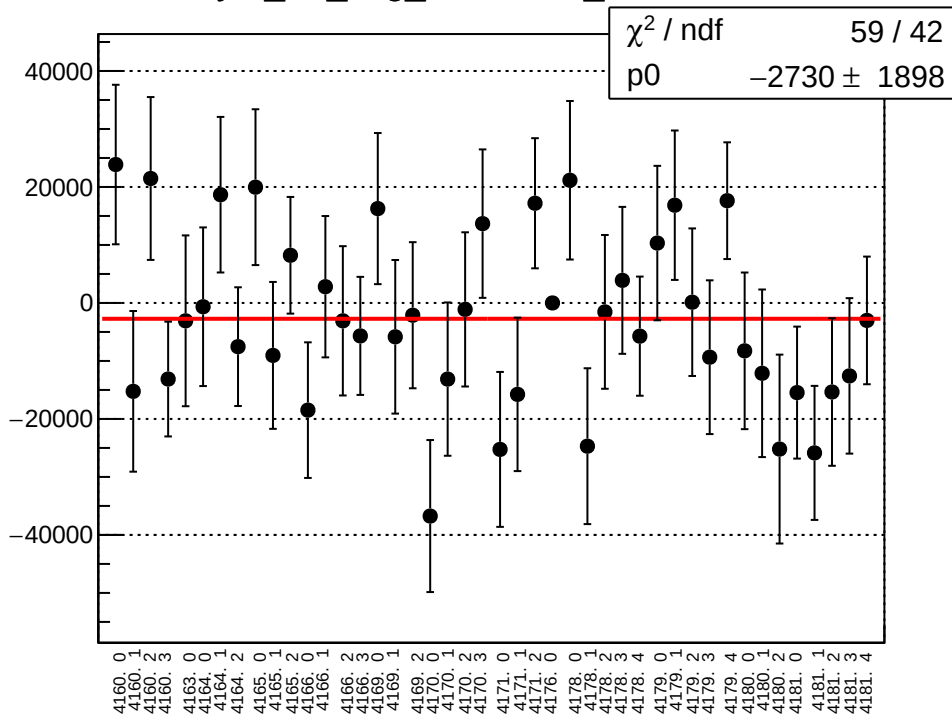
reg\_asym\_atr\_avg\_mean vs run



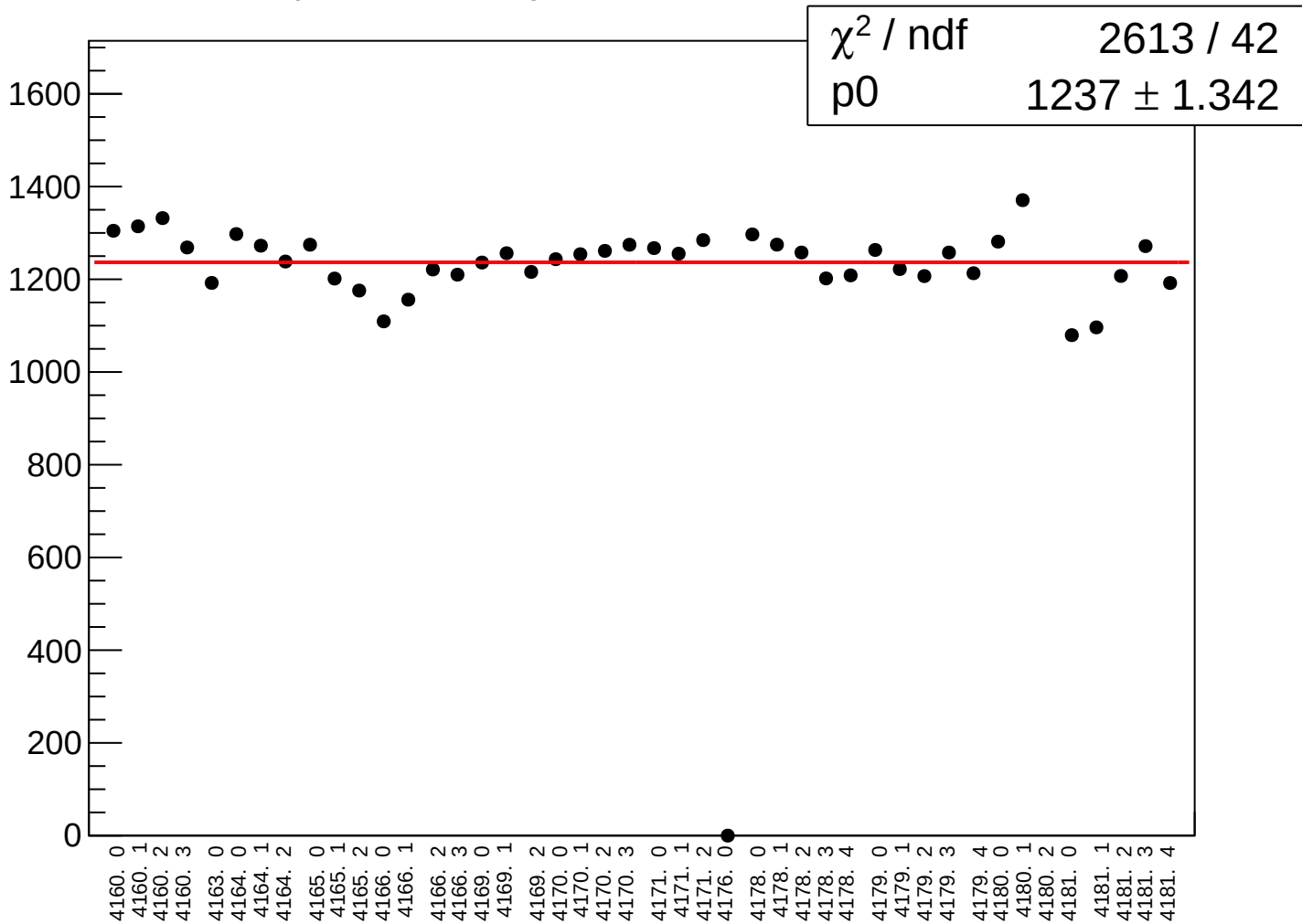
reg\_asym\_atr\_avg\_rms vs run



asym\_atr\_avg\_correction\_mean vs run

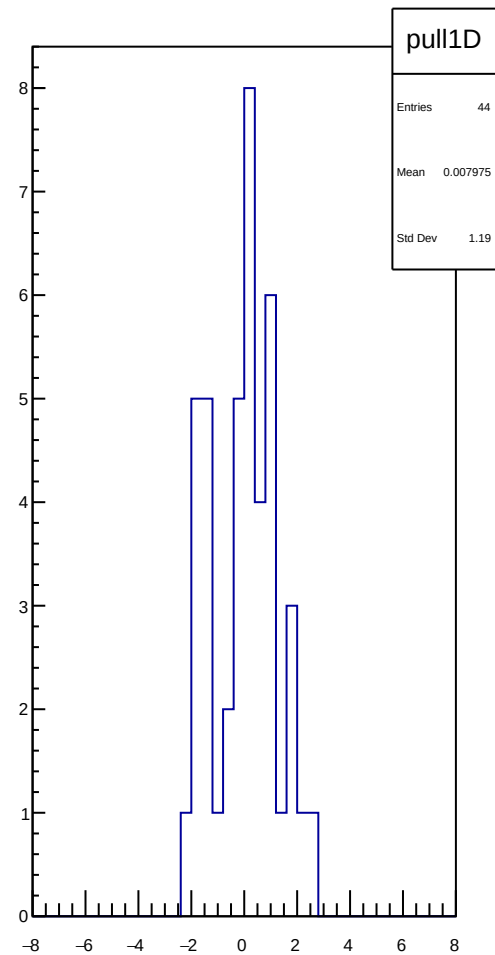
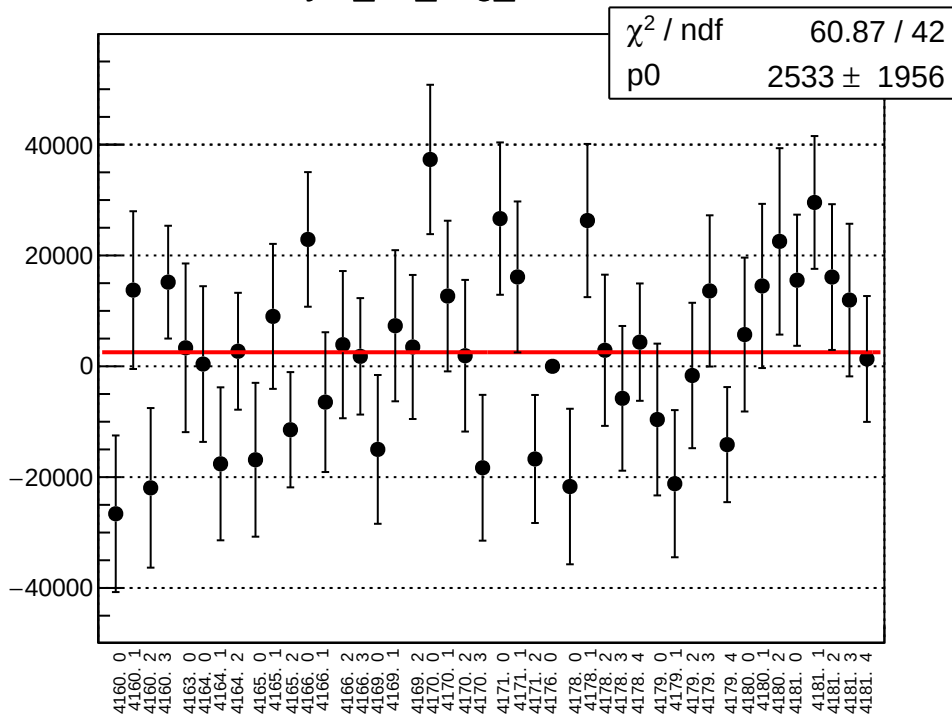


# asym\_atr\_avg\_correction\_rms vs run

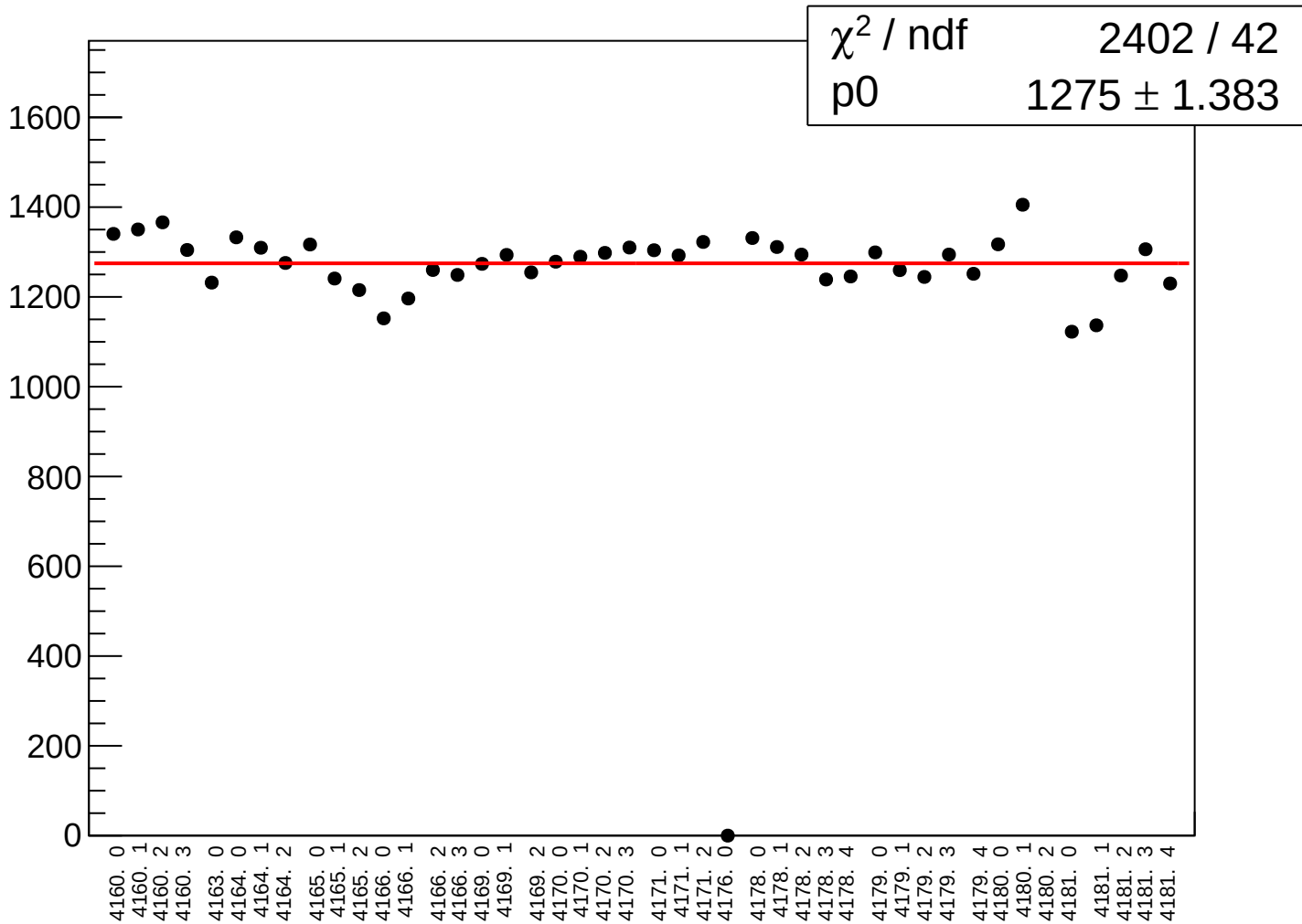




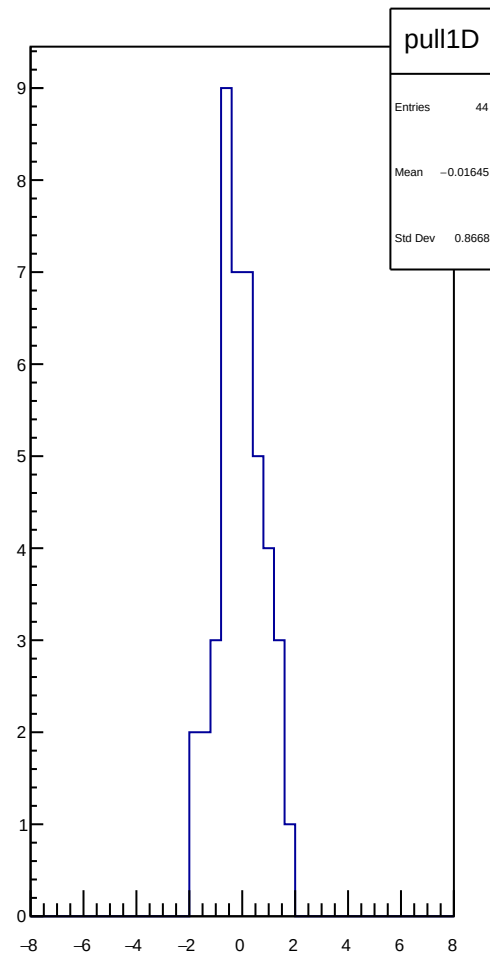
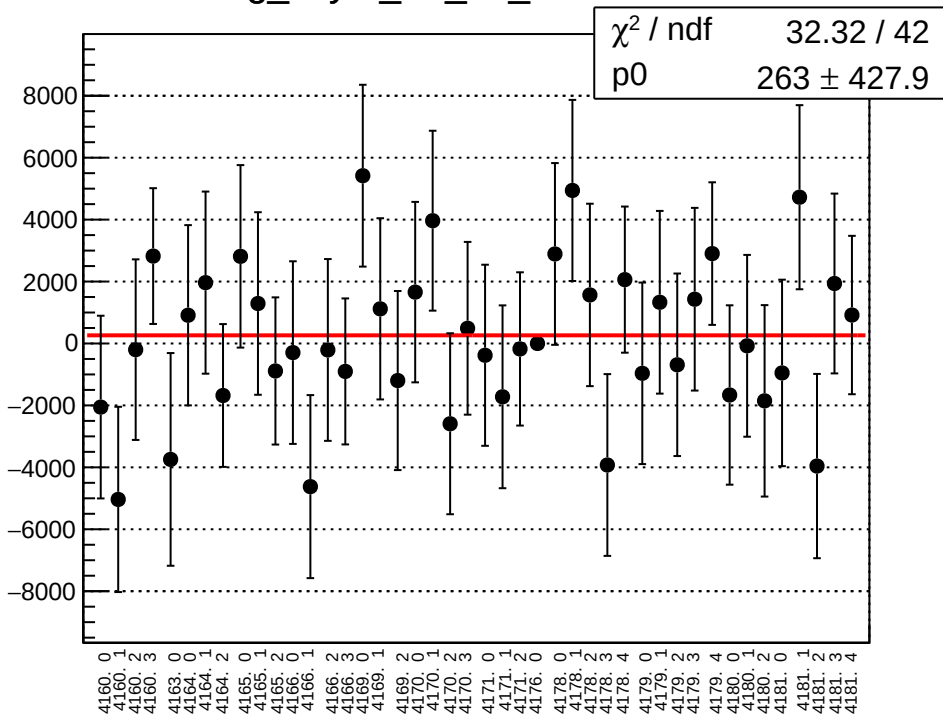
asym\_atr\_avg\_mean vs run



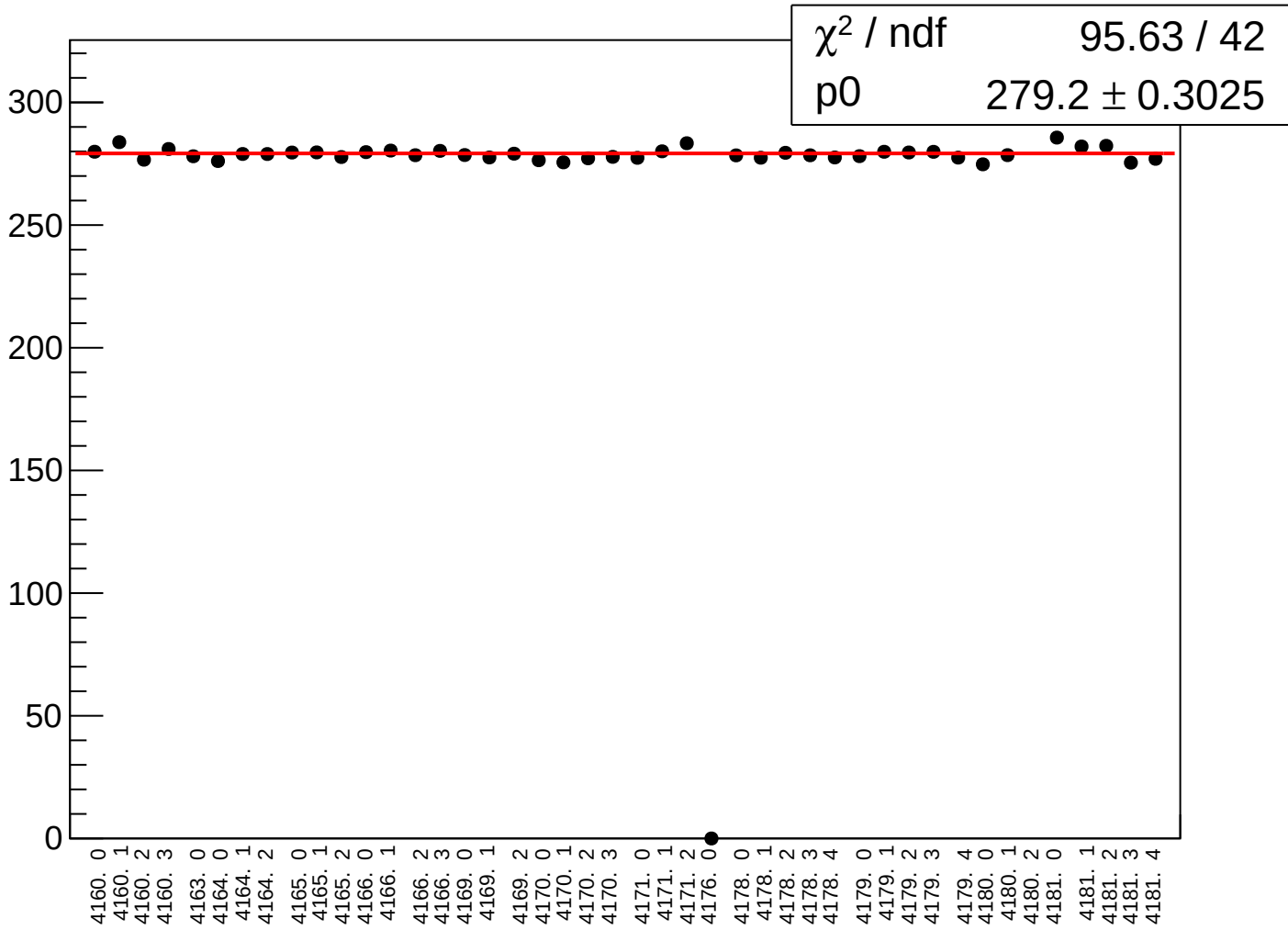
# asym\_atr\_avg\_rms vs run



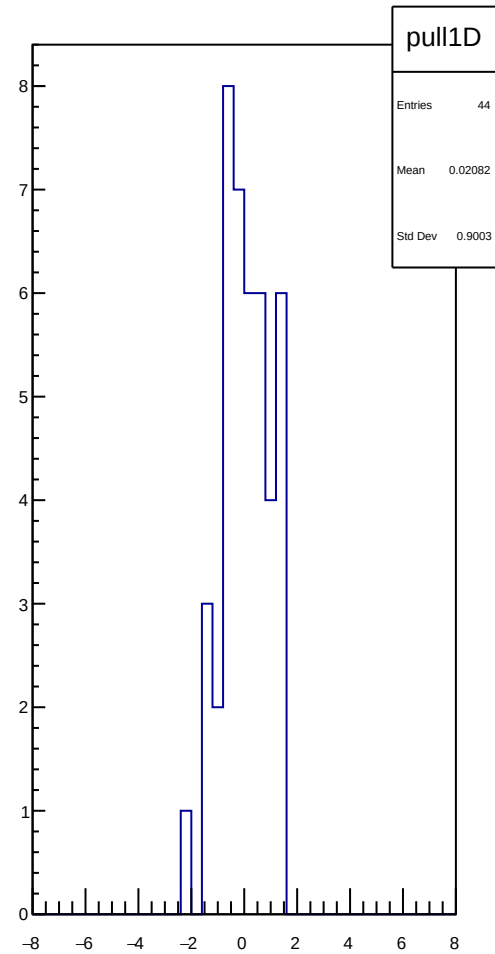
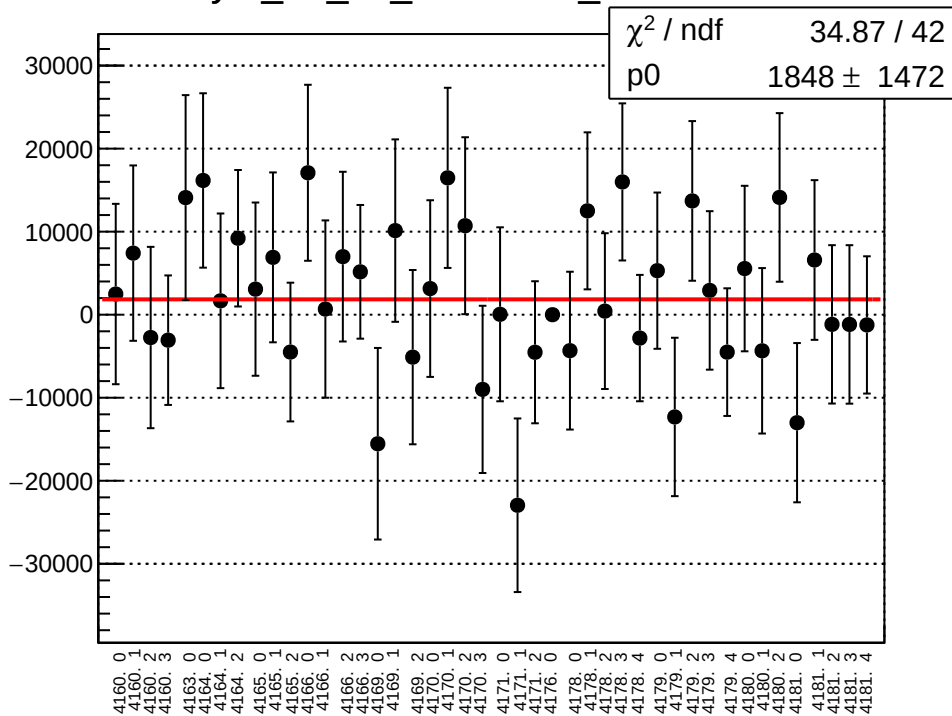
# reg\_asym\_atr\_dd\_mean vs run



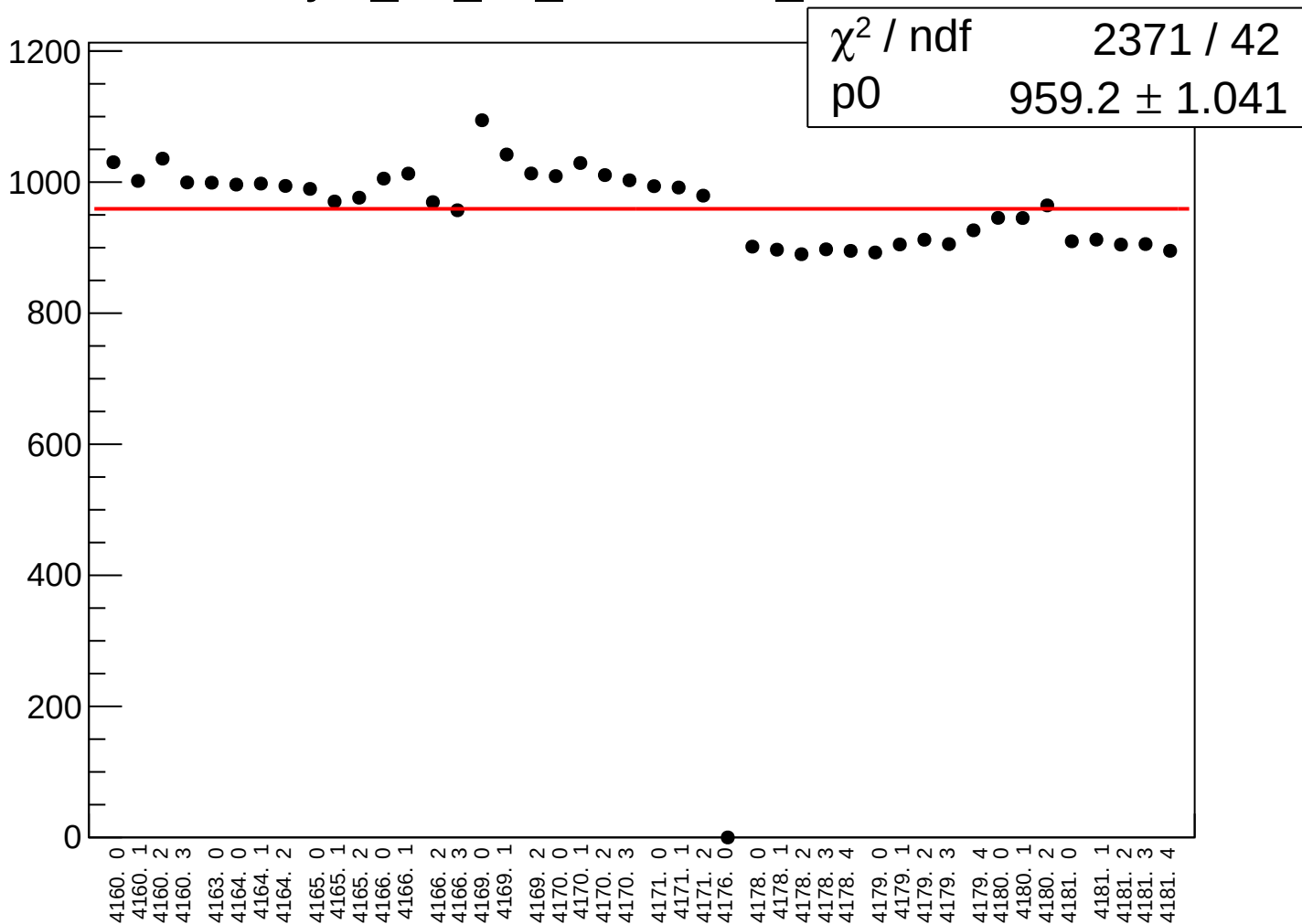
# reg\_asym\_atr\_dd\_rms vs run



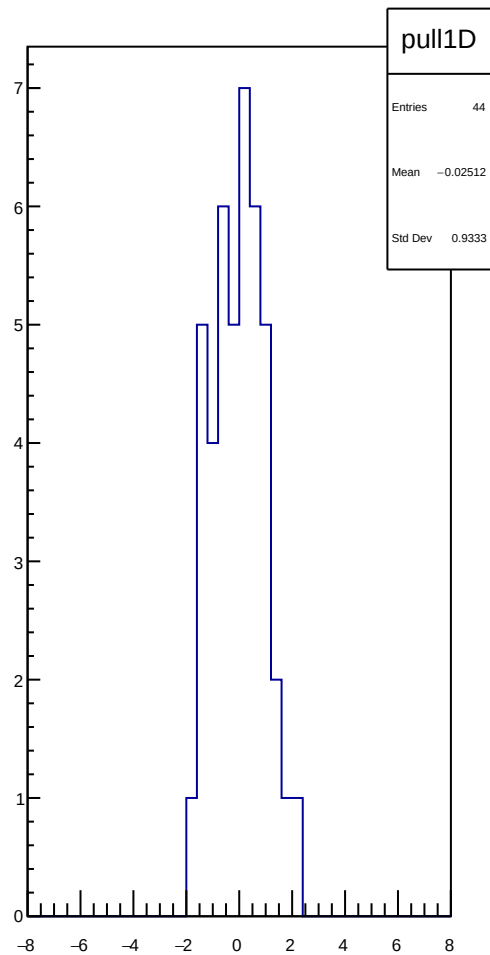
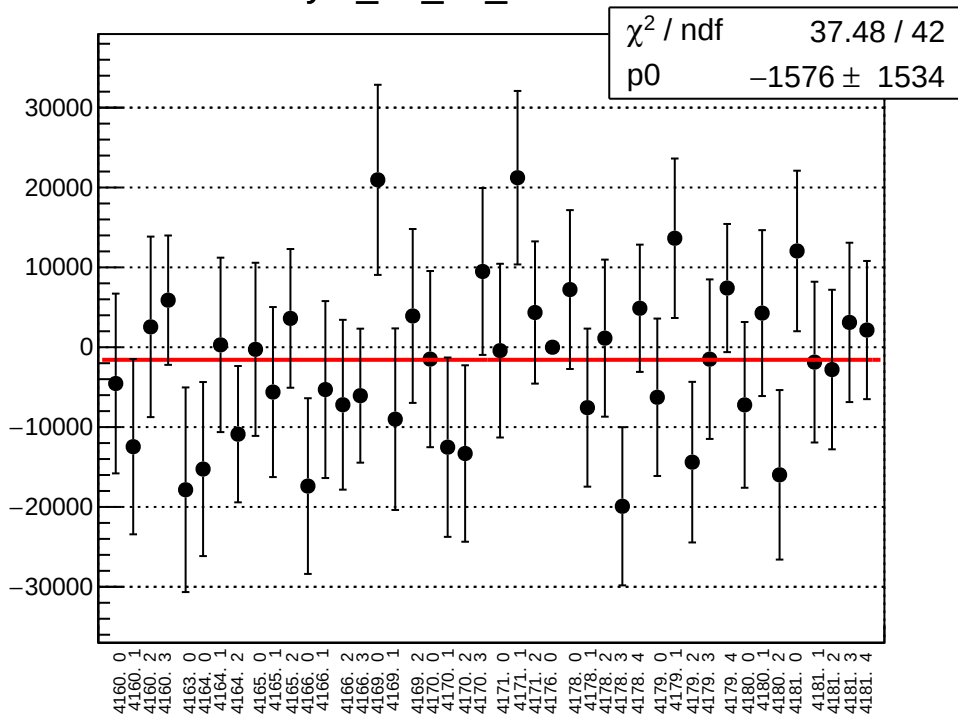
# asym\_atr\_dd\_correction\_mean vs run



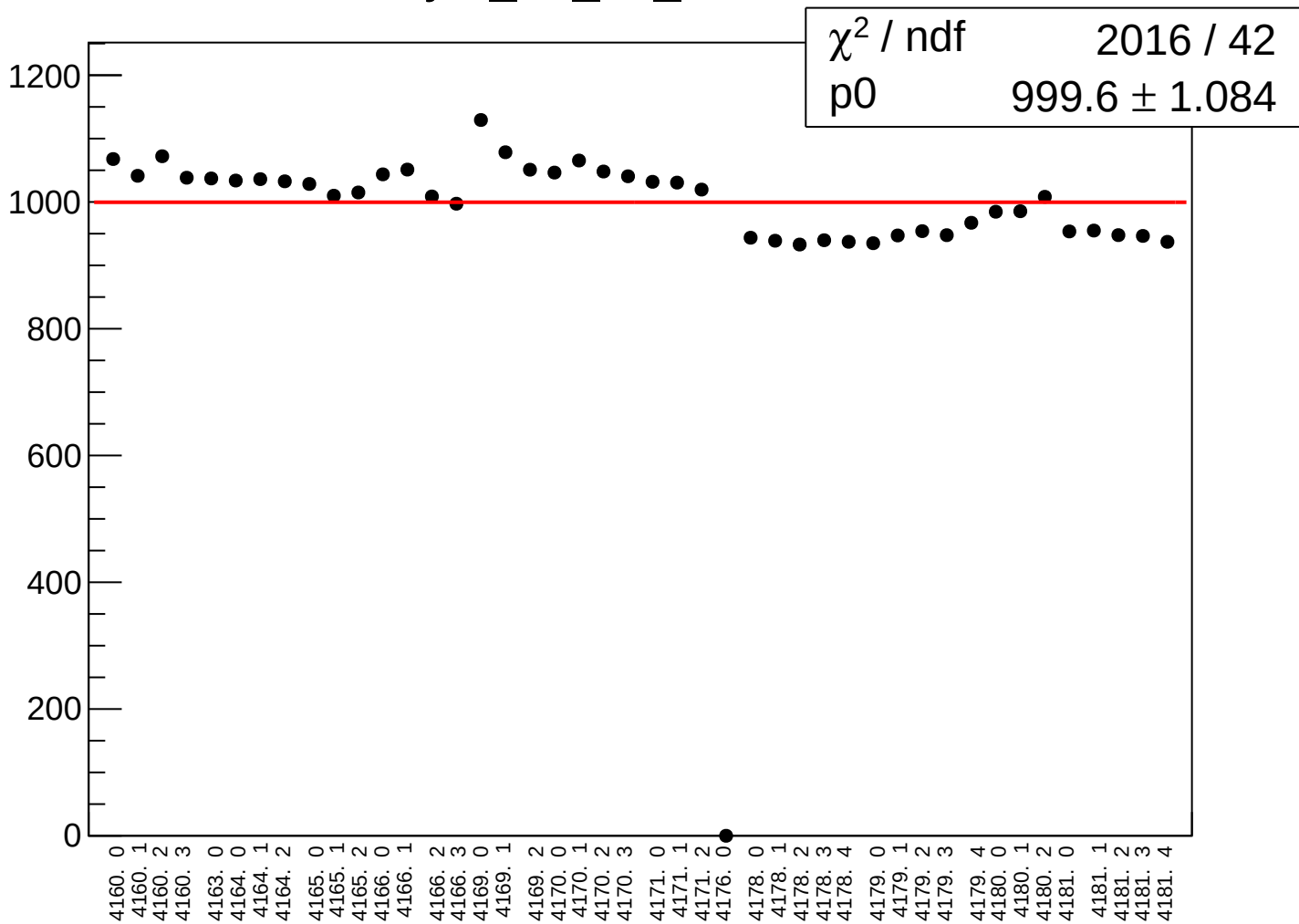
# asym\_atr\_dd\_correction\_rms vs run



asym\_atr\_dd\_mean vs run

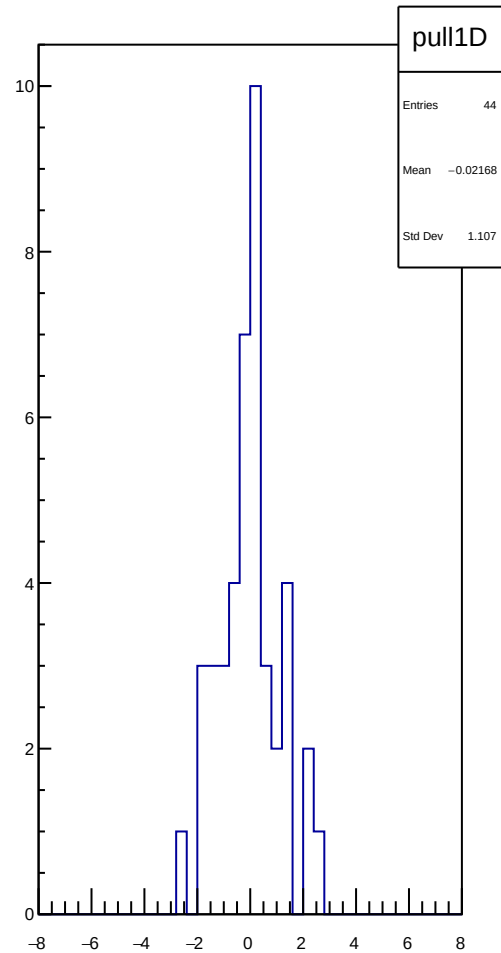
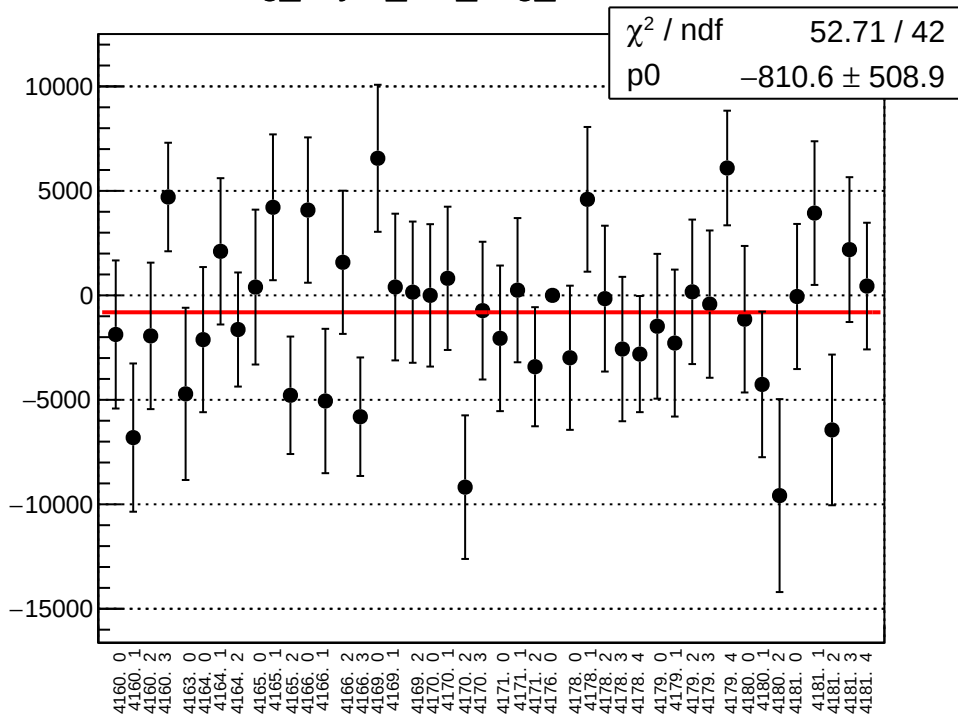


# asym\_atr\_dd\_rms vs run

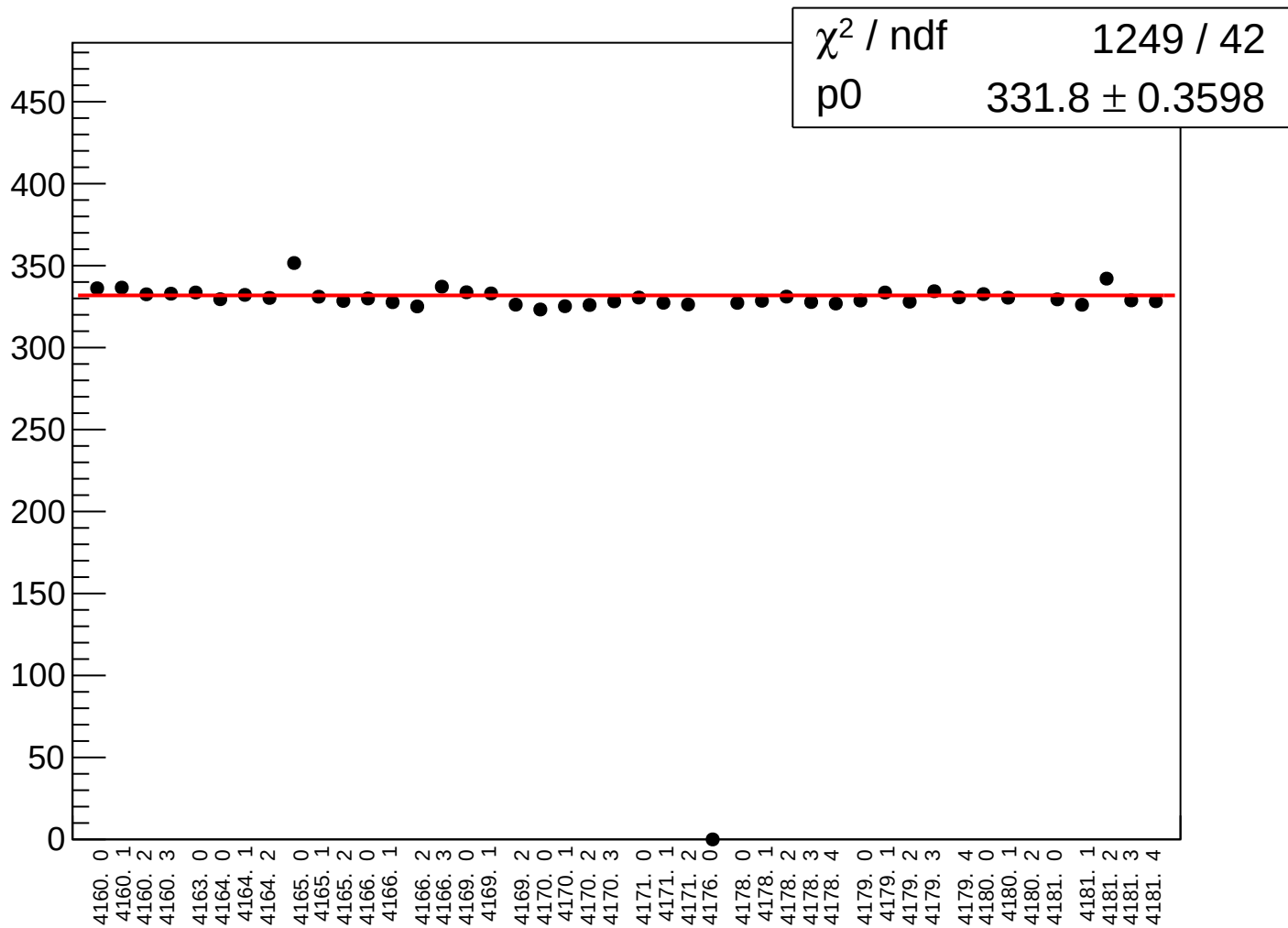




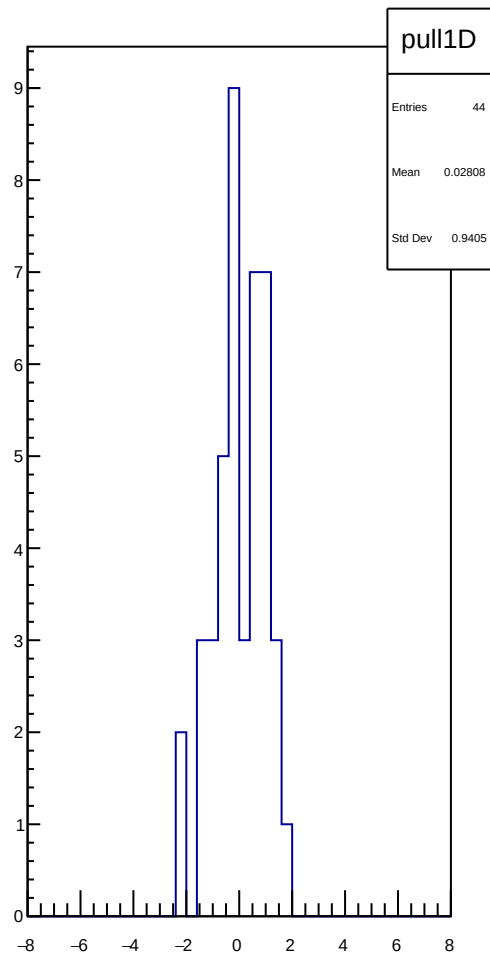
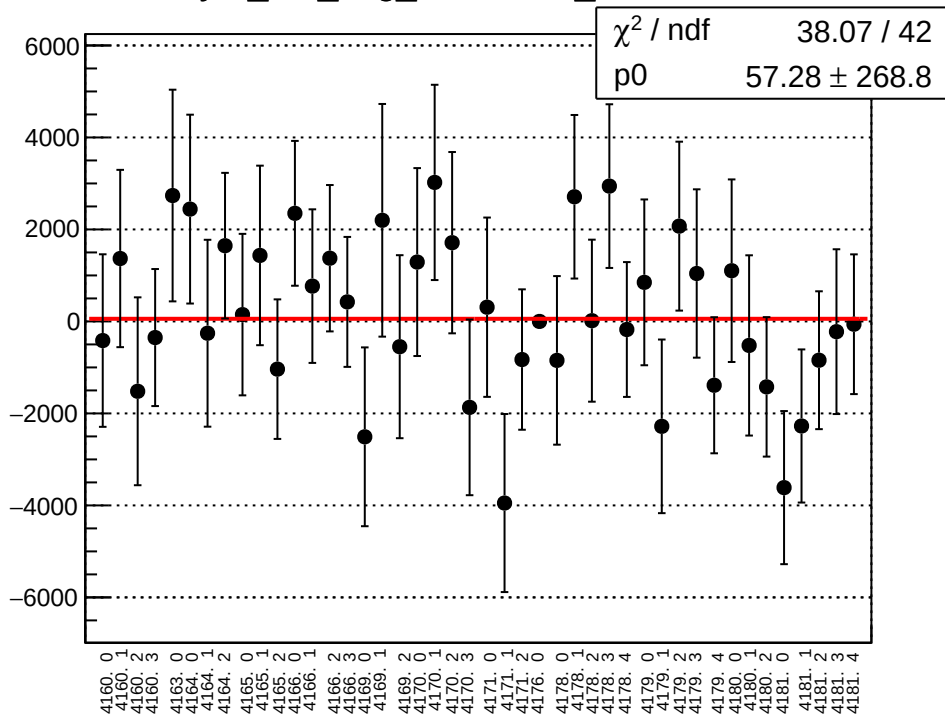
reg\_asym\_at1\_avg\_mean vs run



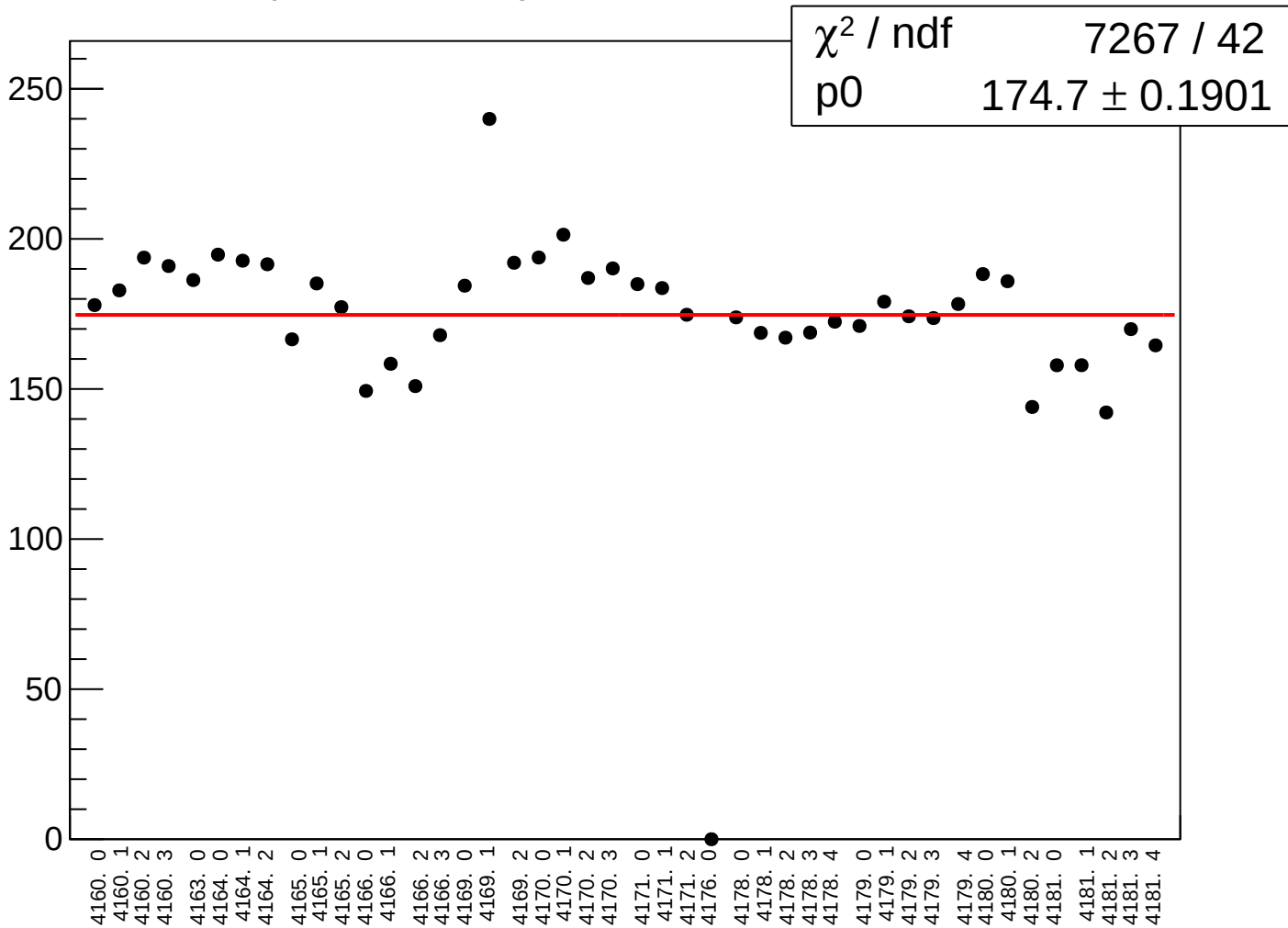
reg\_asym\_at1\_avg\_rms vs run



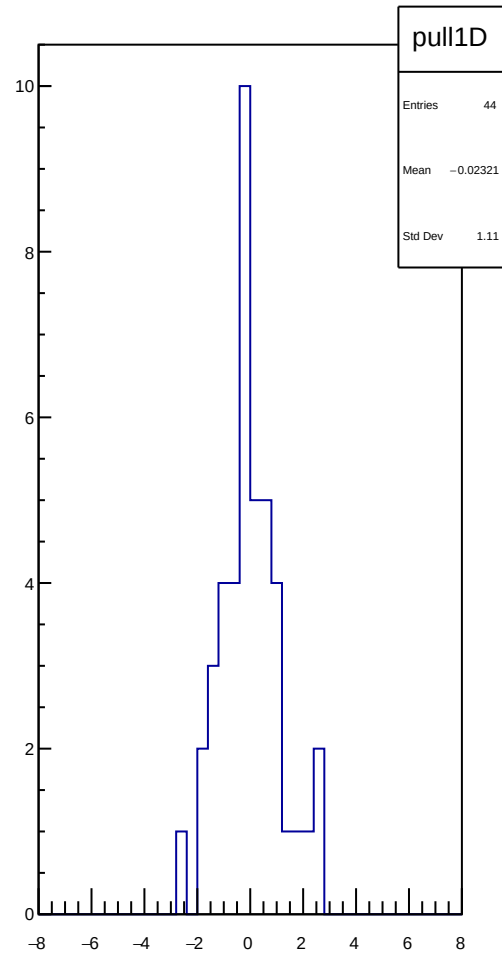
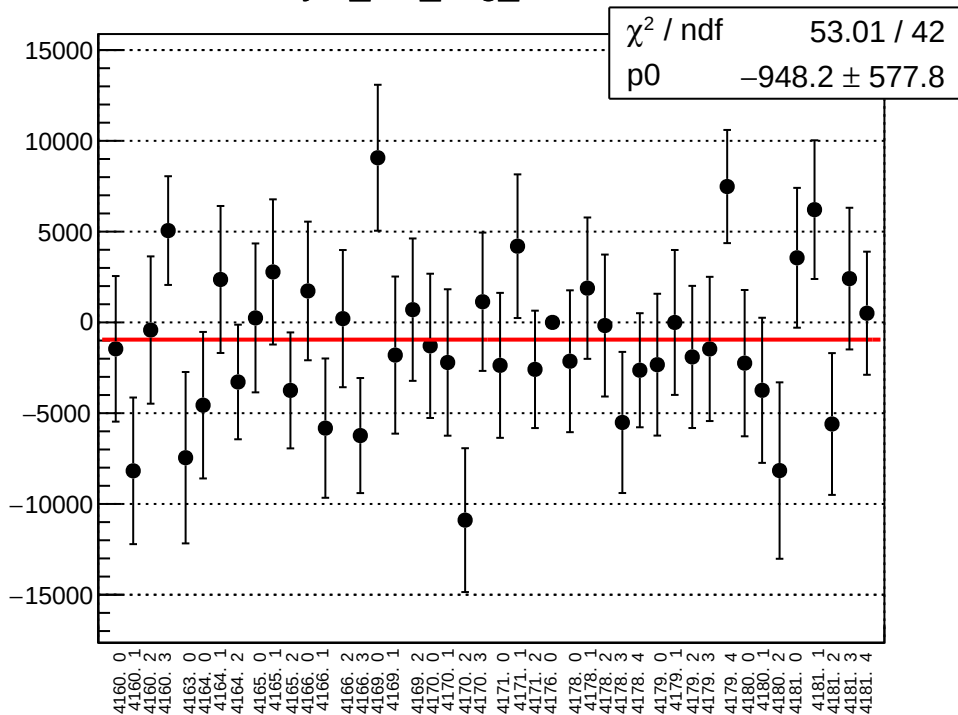
asym\_at1\_avg\_correction\_mean vs run



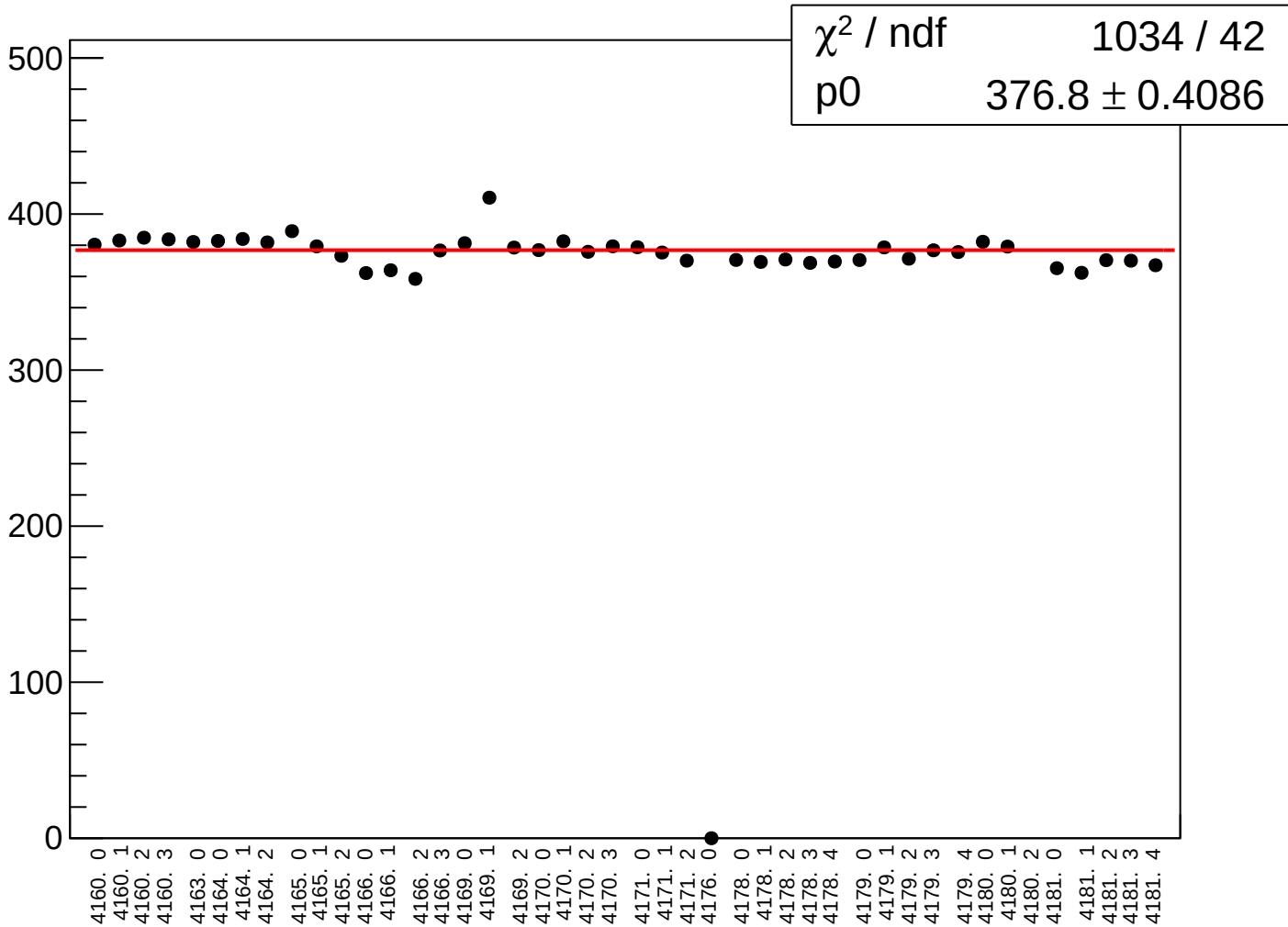
# asym\_at1\_avg\_correction\_rms vs run



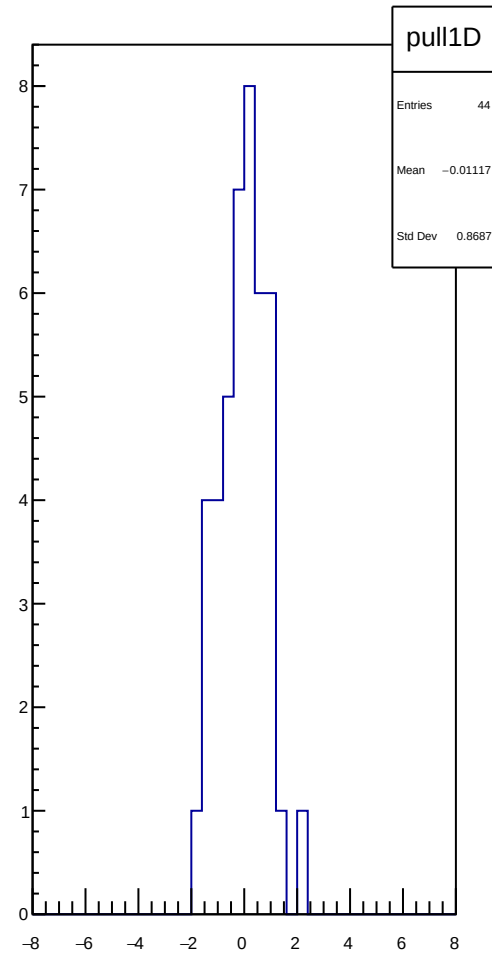
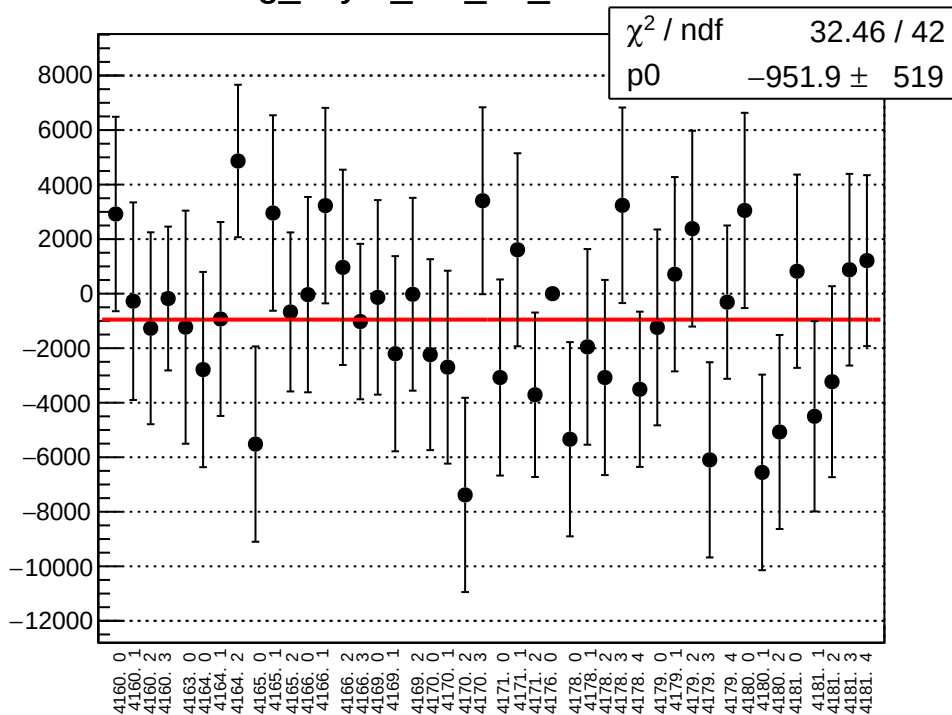
asym\_at1\_avg\_mean vs run



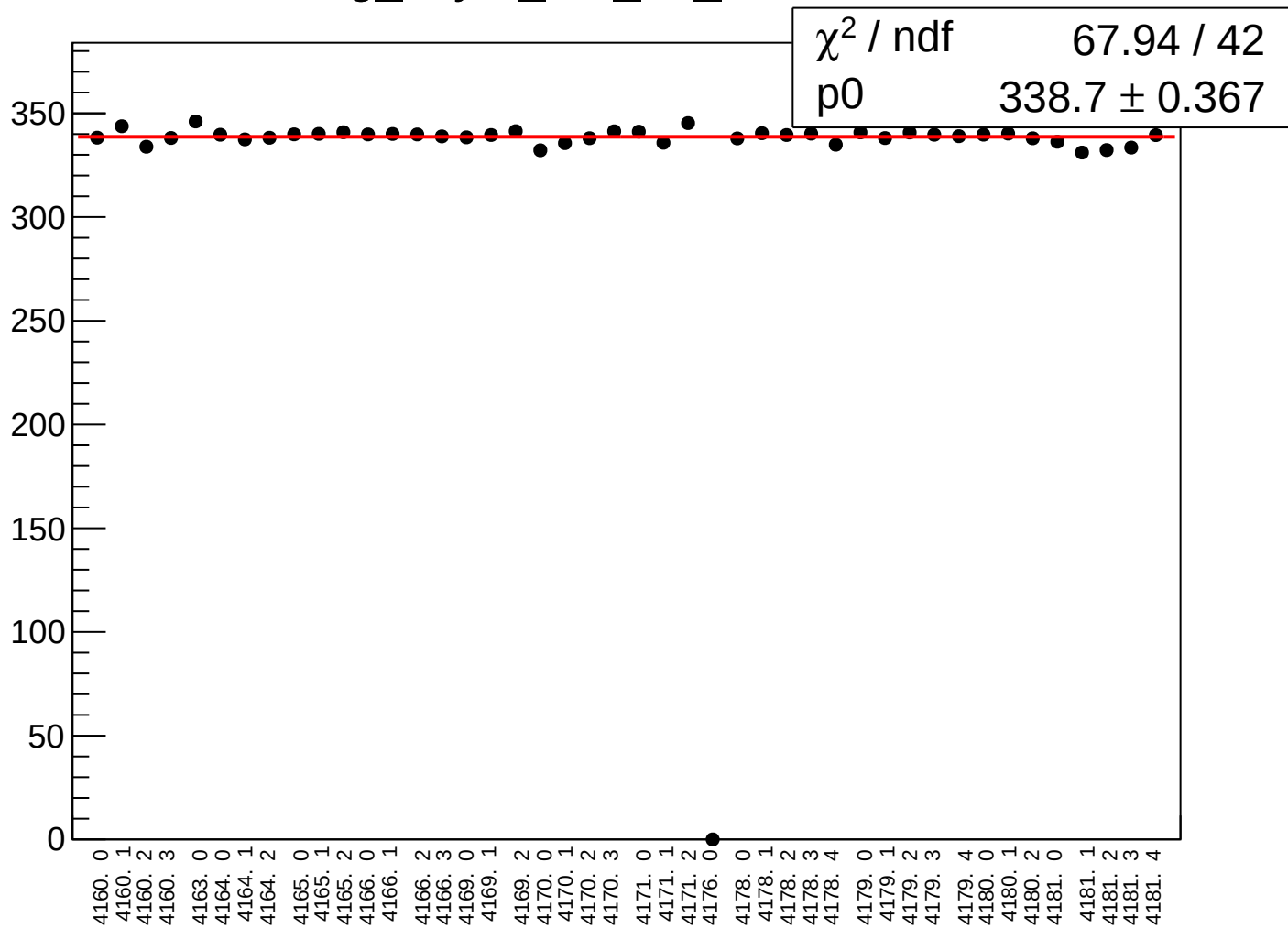
# asym\_at1\_avg\_rms vs run



# reg\_asym\_at1\_dd\_mean vs run

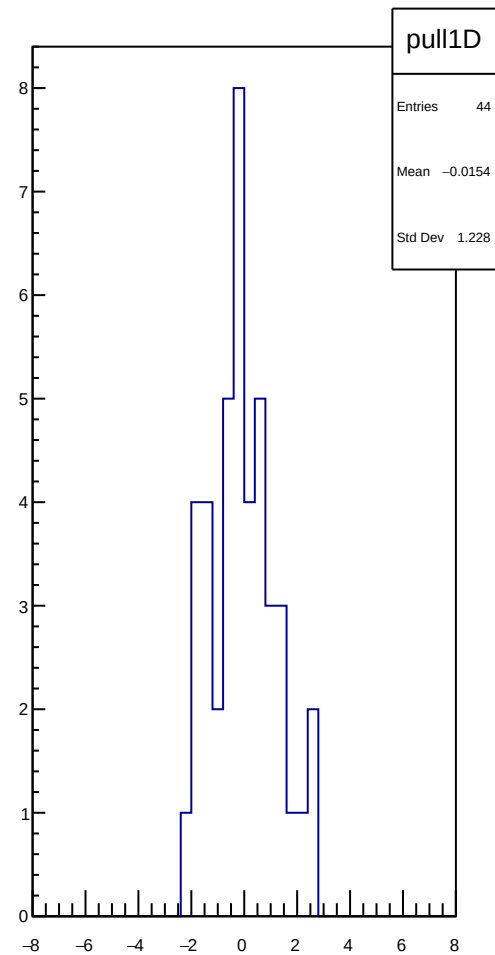
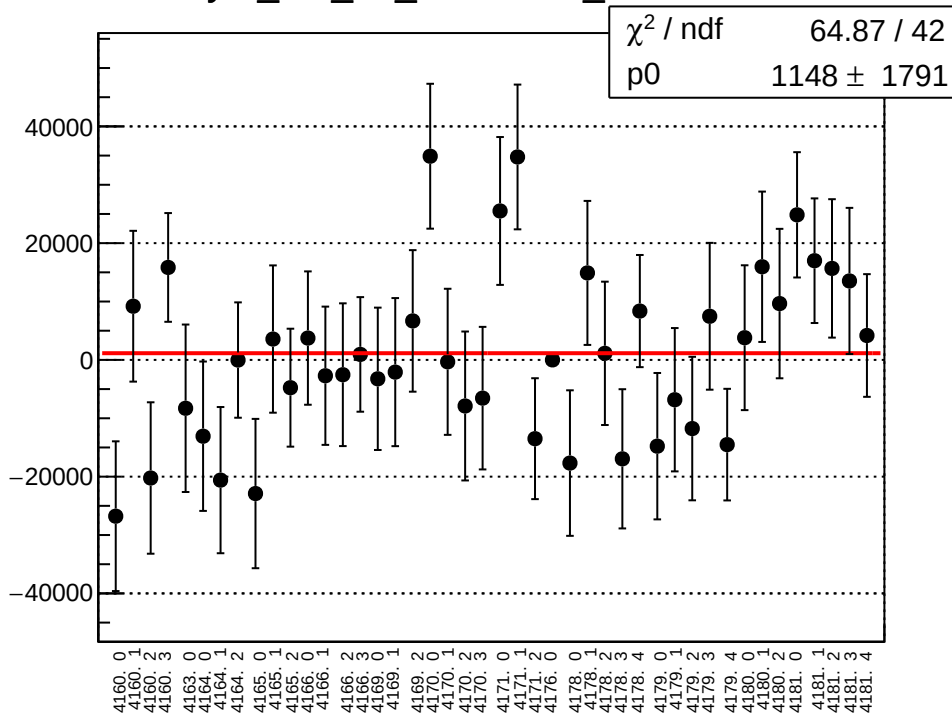


# reg\_asym\_at1\_dd\_rms vs run

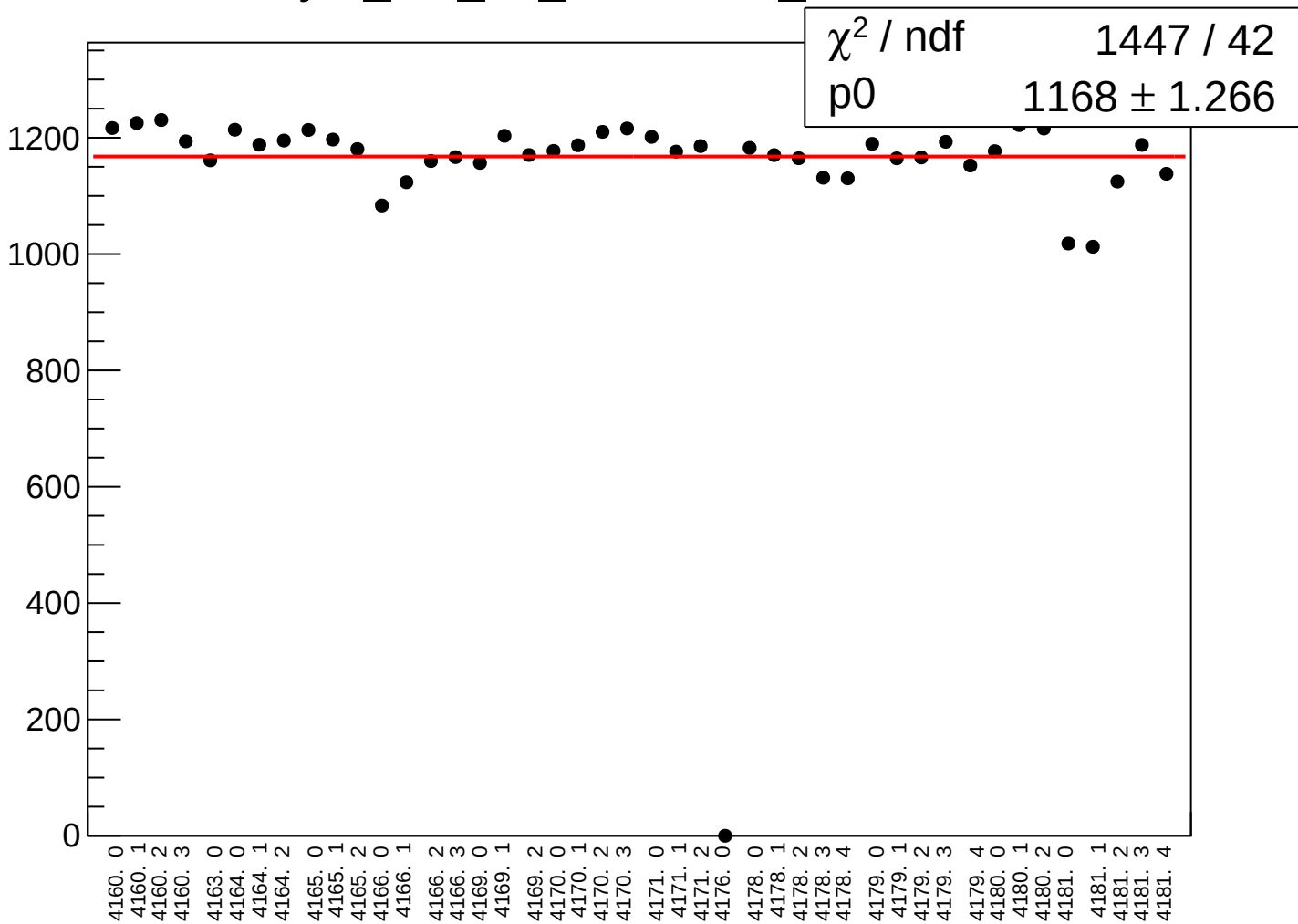




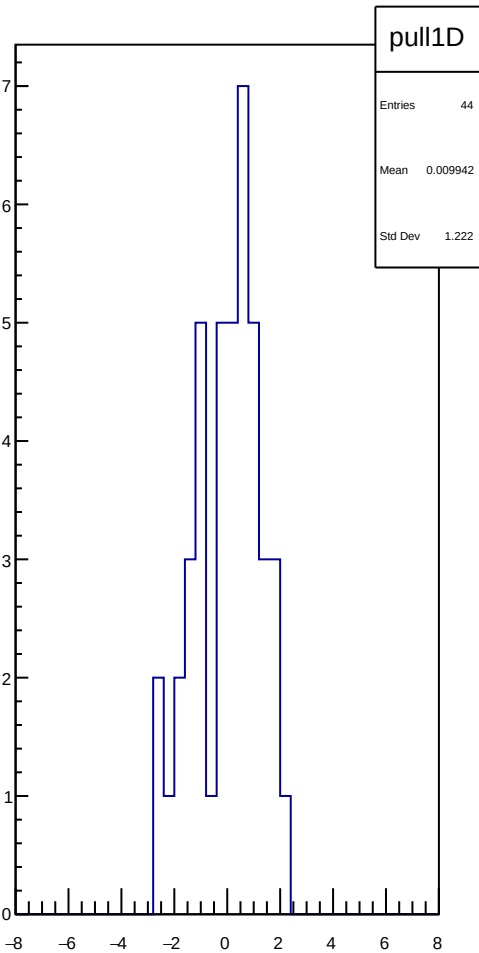
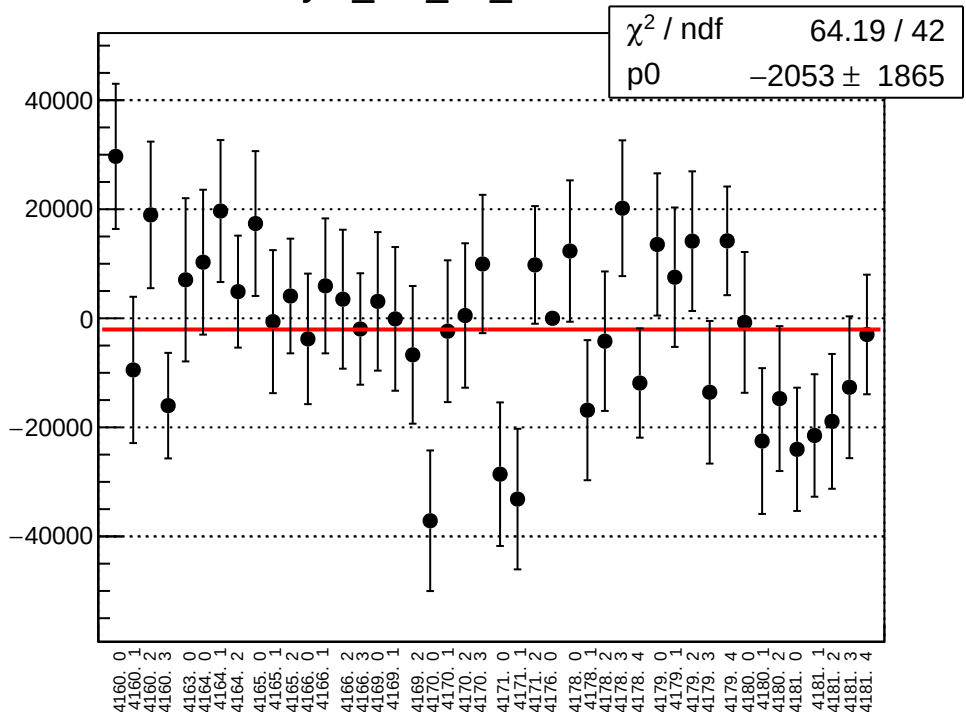
asym\_at1\_dd\_correction\_mean vs run



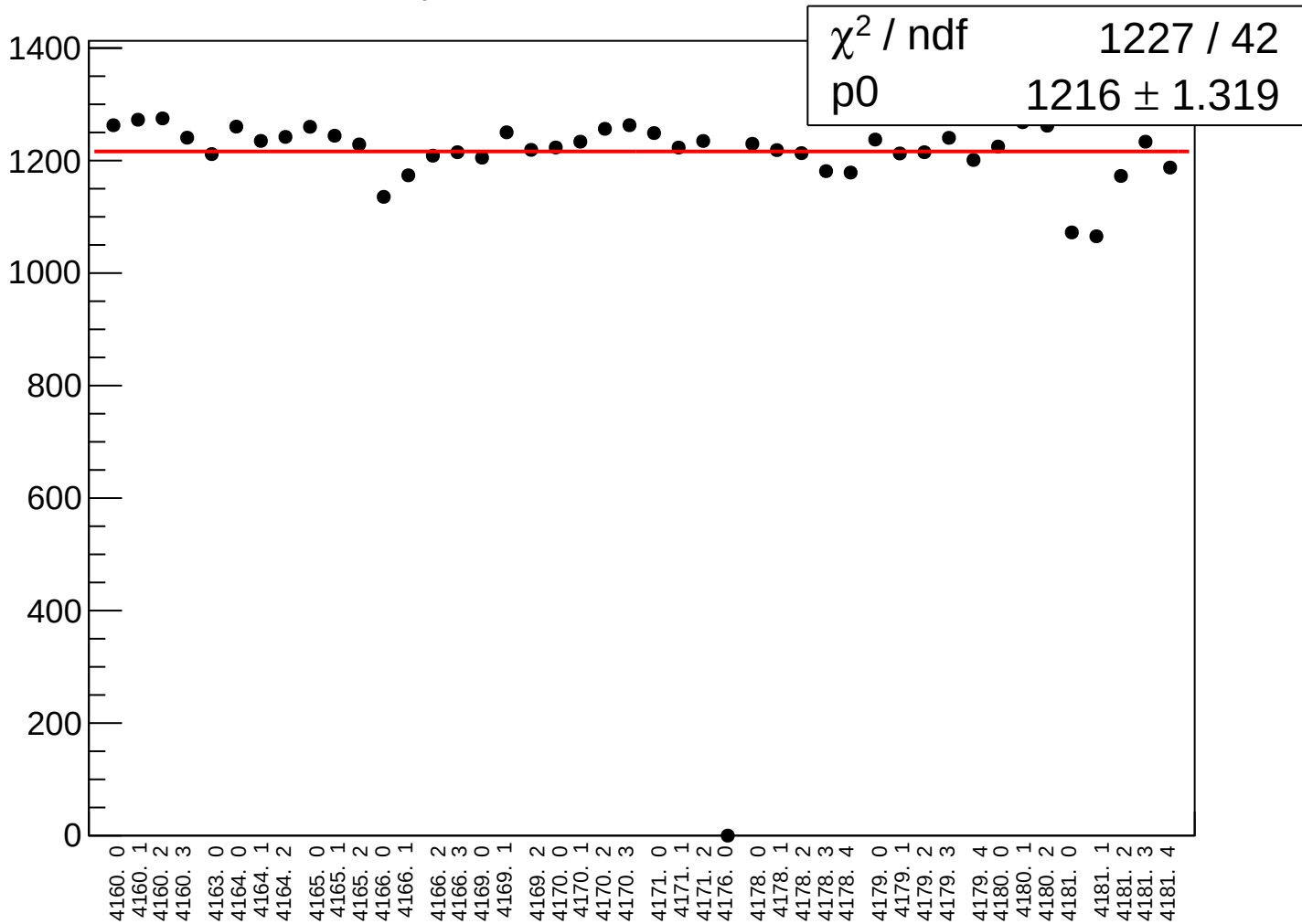
# asym\_at1\_dd\_correction\_rms vs run



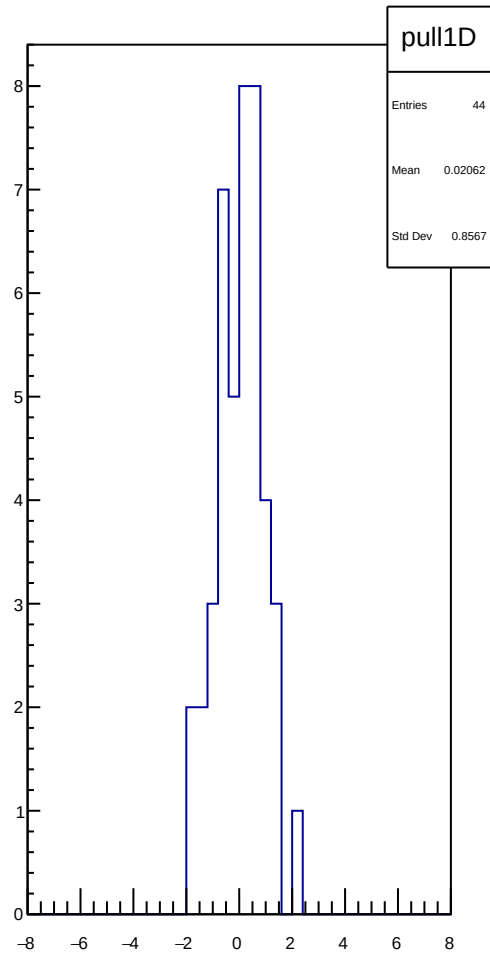
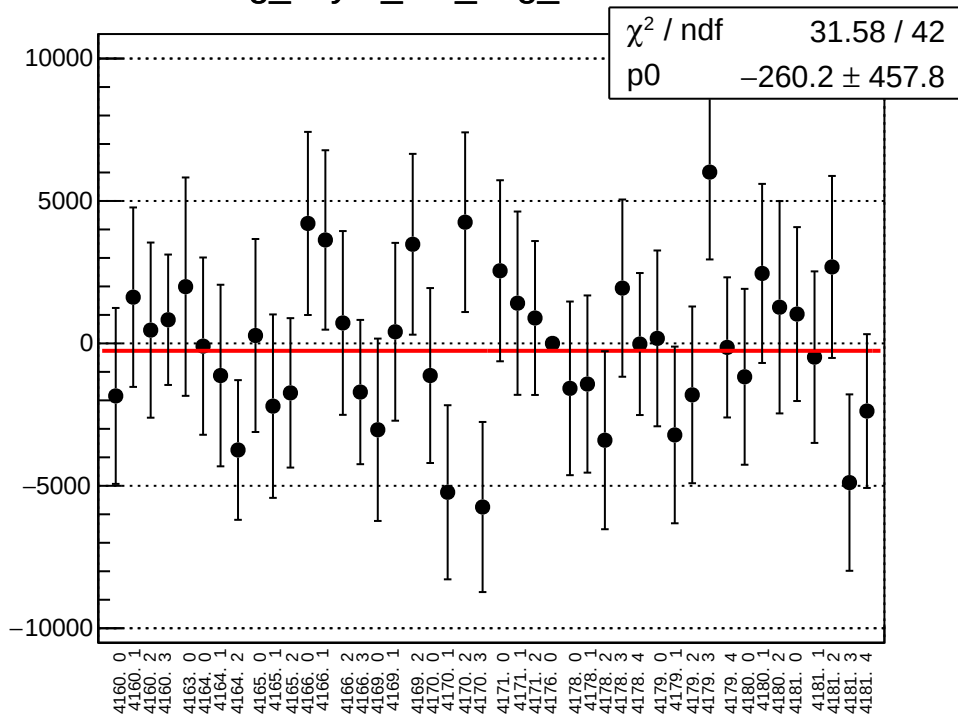
asym\_at1\_dd\_mean vs run



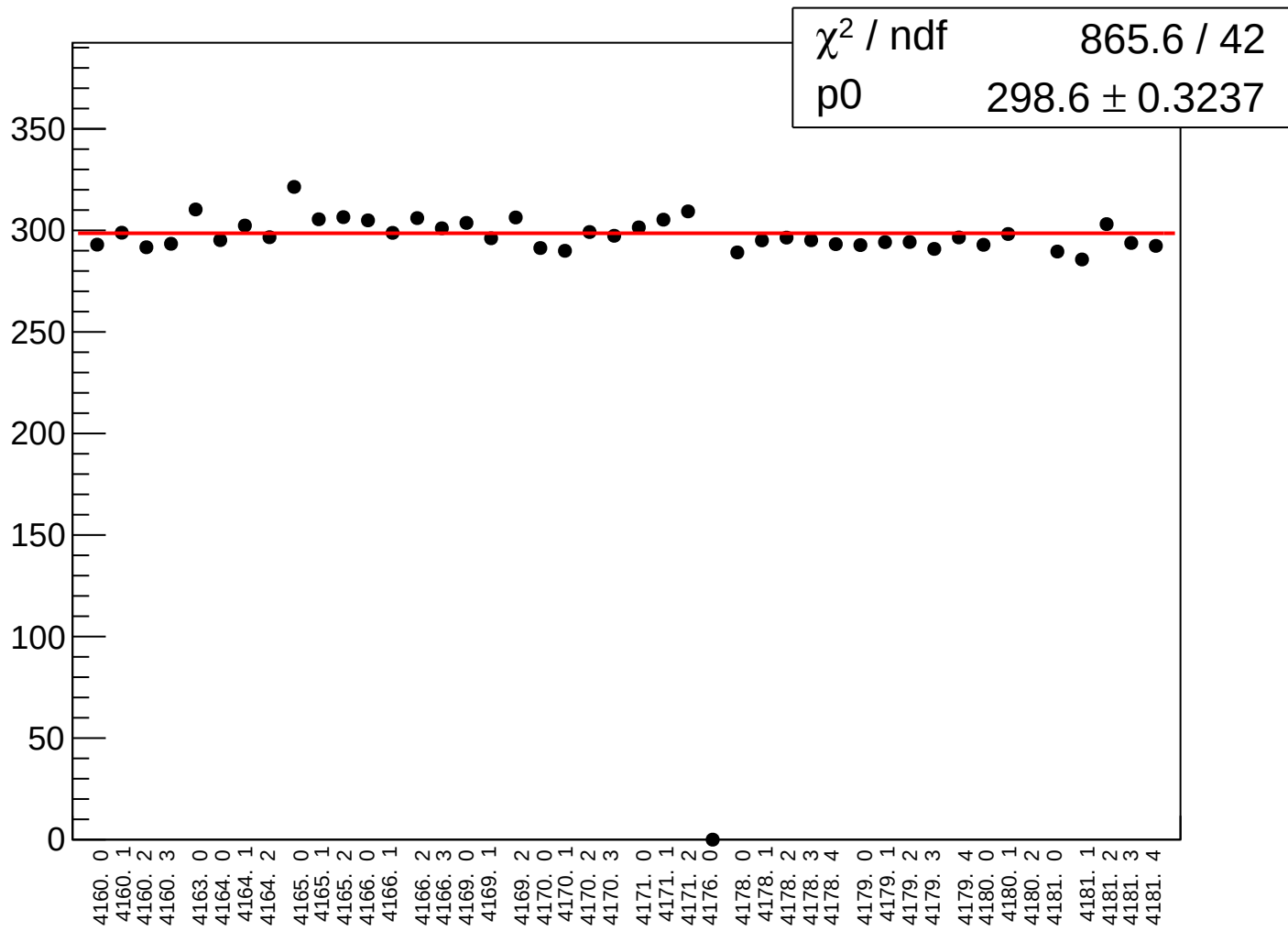
# asym\_at1\_dd\_rms vs run



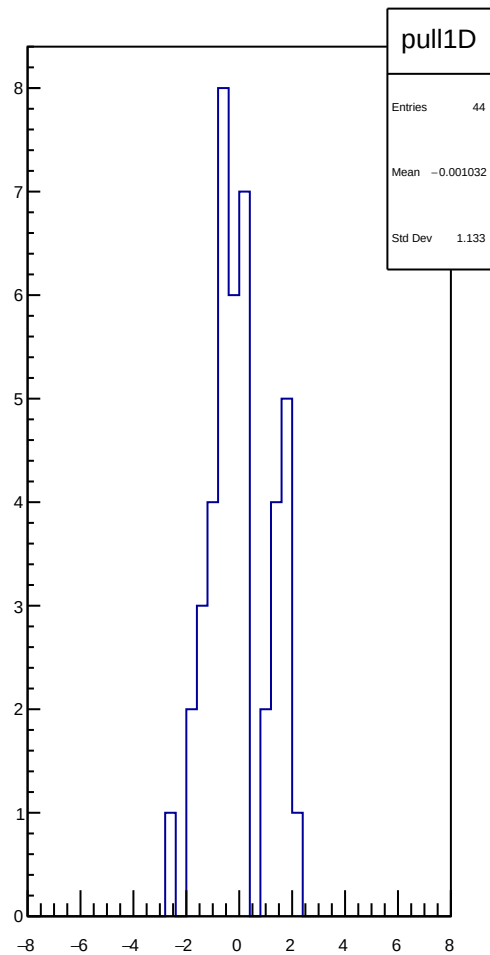
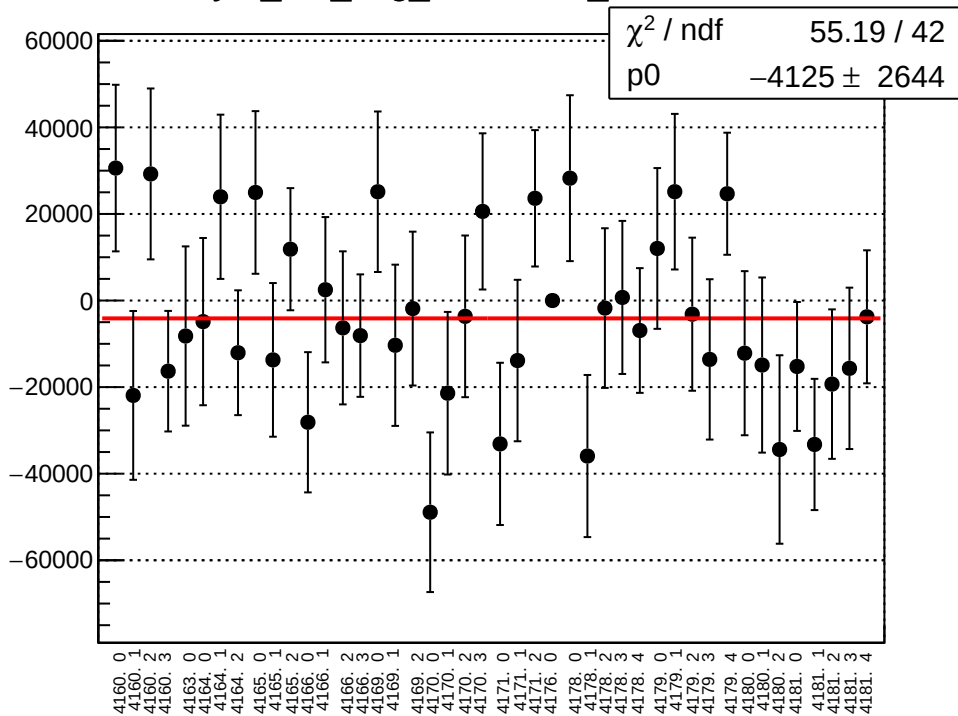
reg\_asym\_at2\_avg\_mean vs run



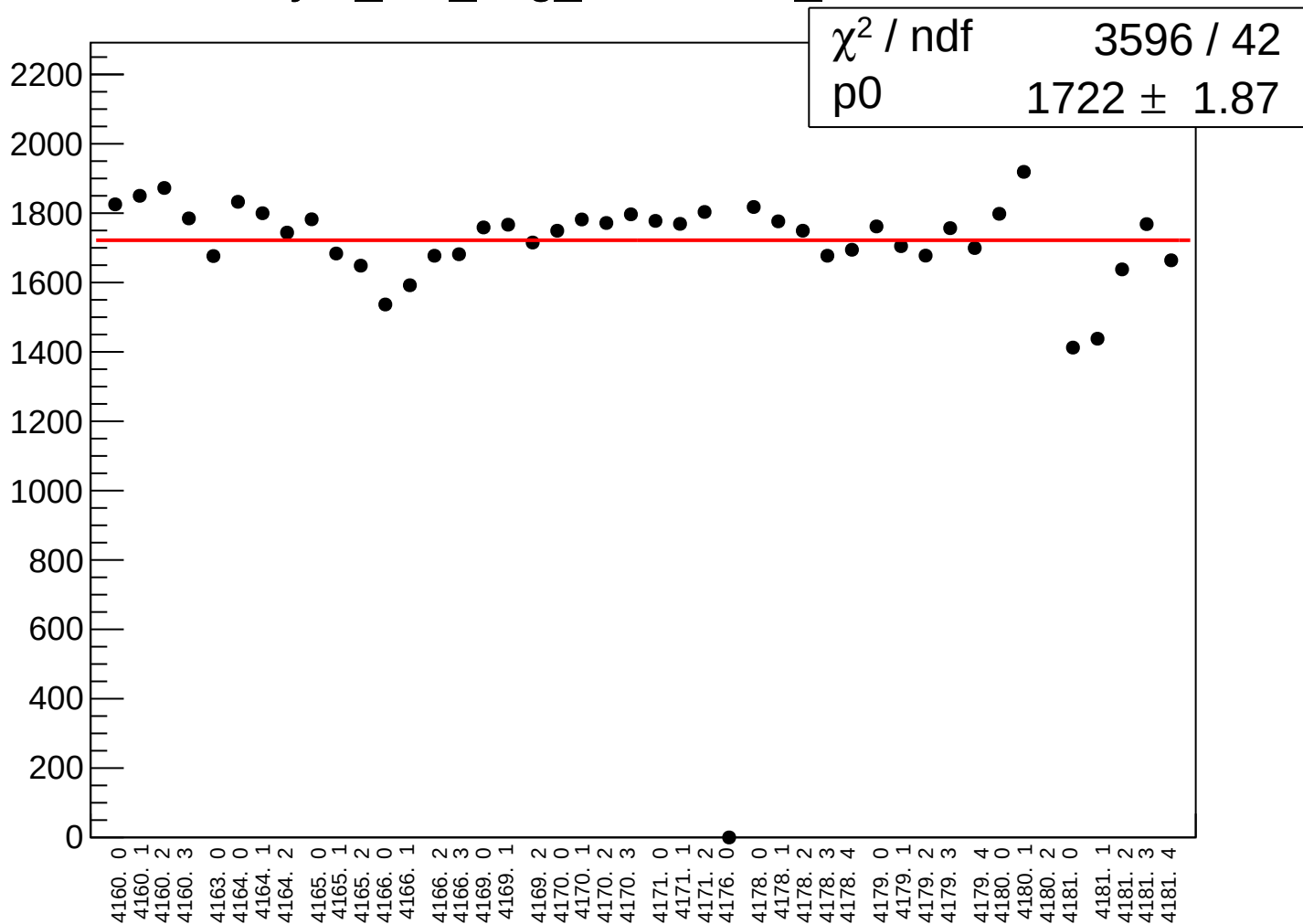
reg\_asym\_at2\_avg\_rms vs run



asym\_at2\_avg\_correction\_mean vs run

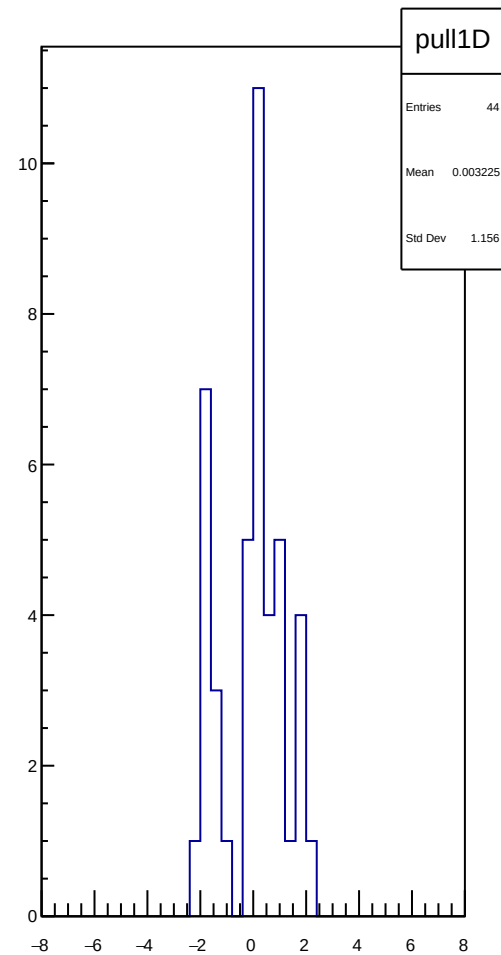
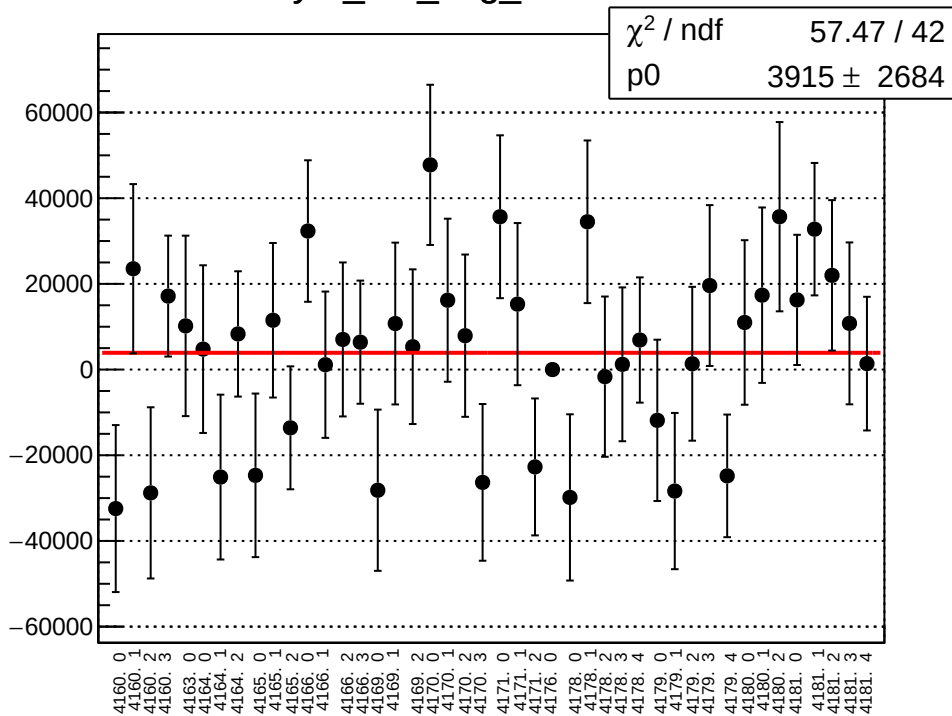


# asym\_at2\_avg\_correction\_rms vs run

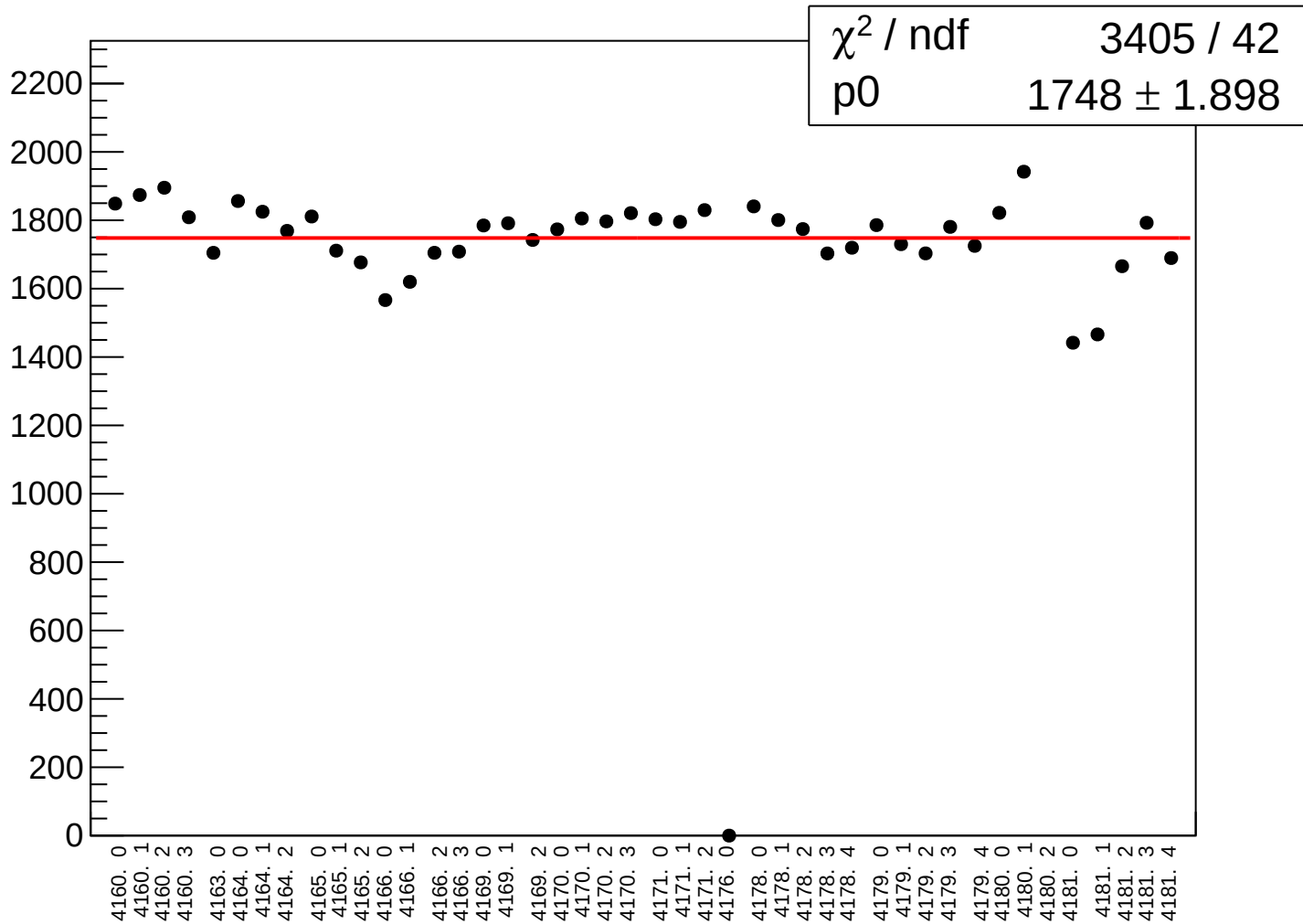




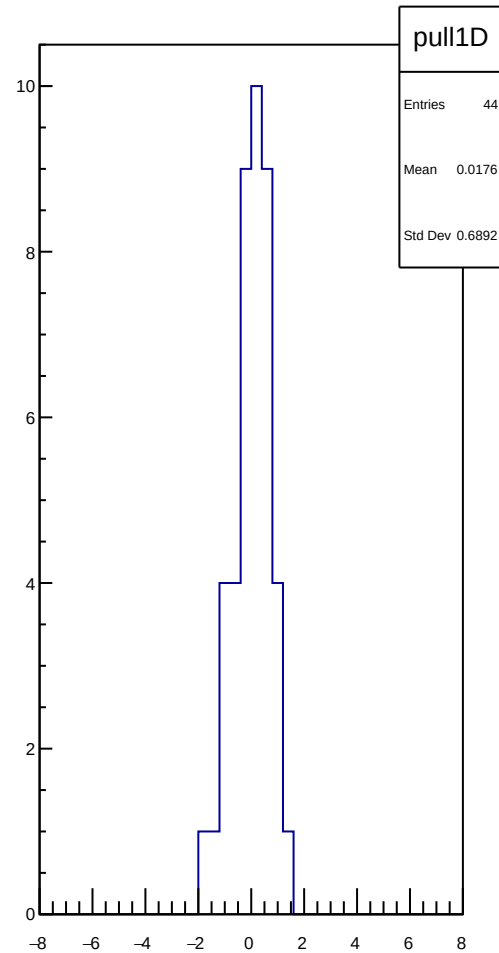
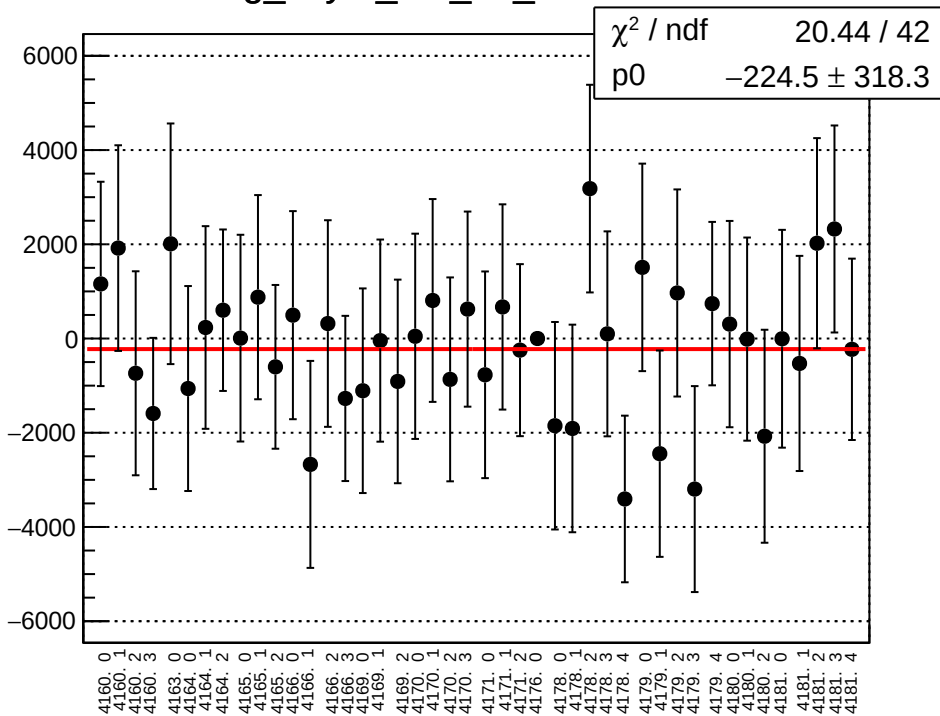
# asym\_at2\_avg\_mean vs run



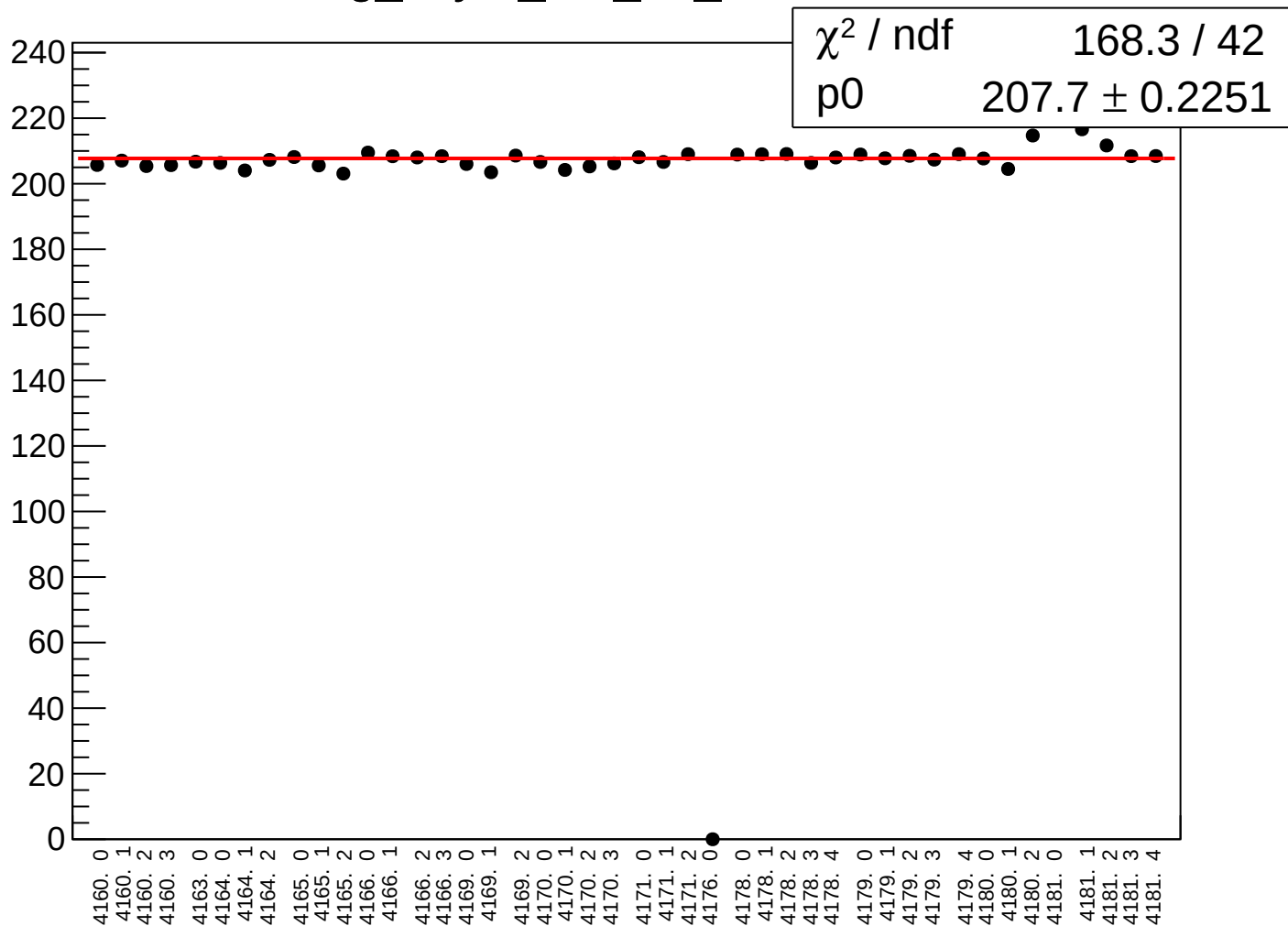
# asym\_at2\_avg\_rms vs run



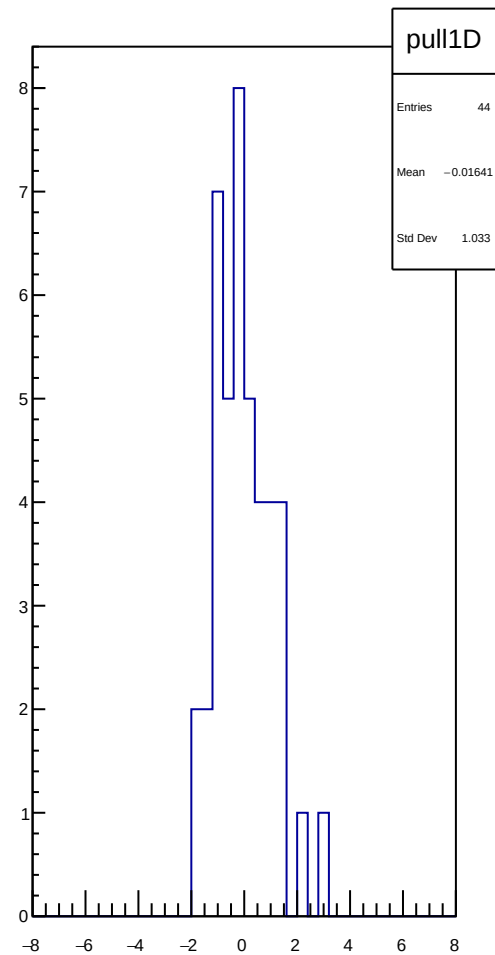
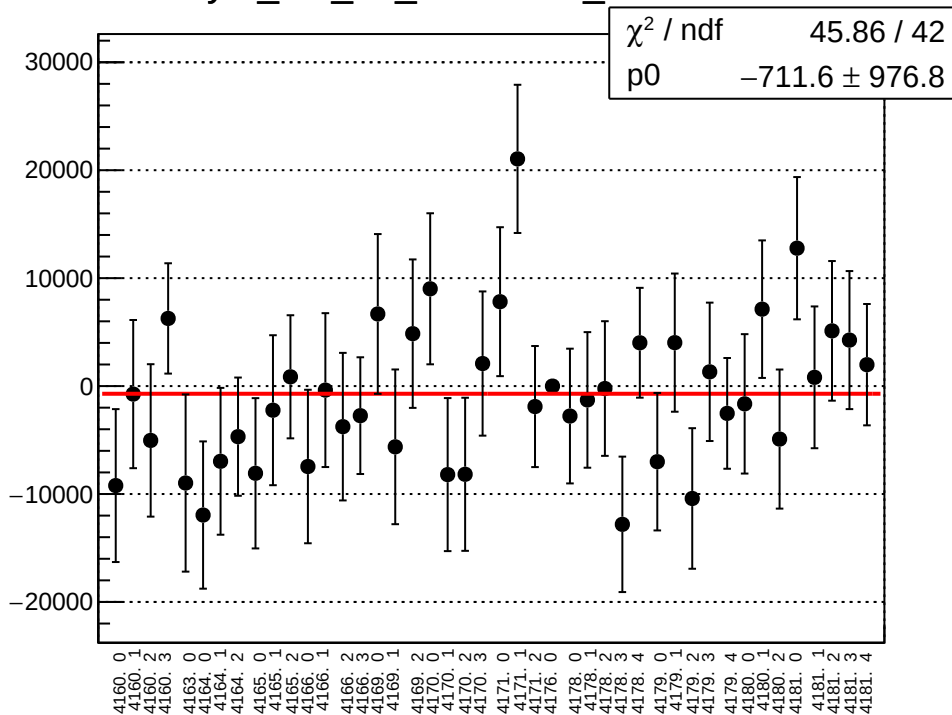
# reg\_asym\_at2\_dd\_mean vs run



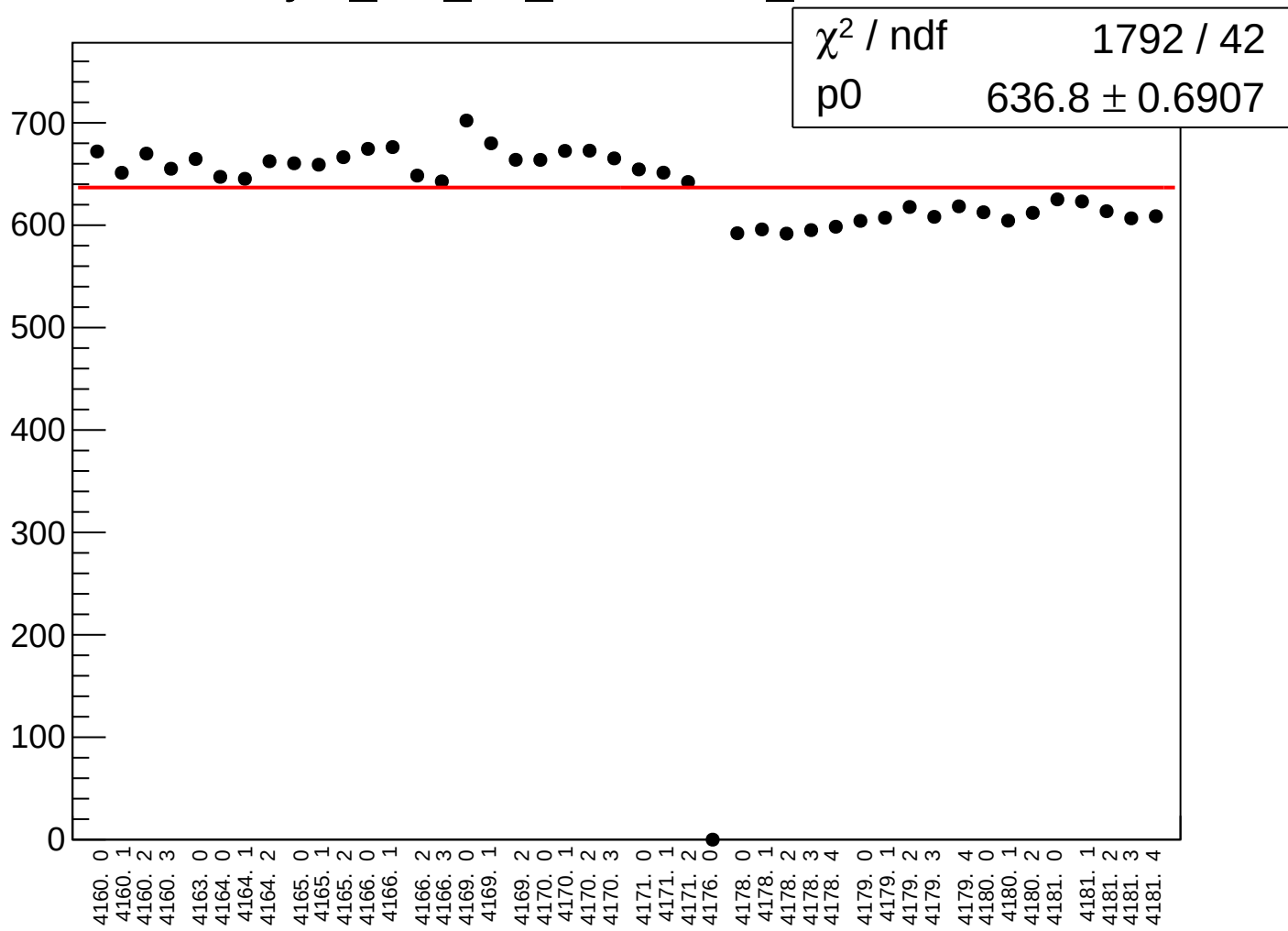
# reg\_asym\_at2\_dd\_rms vs run



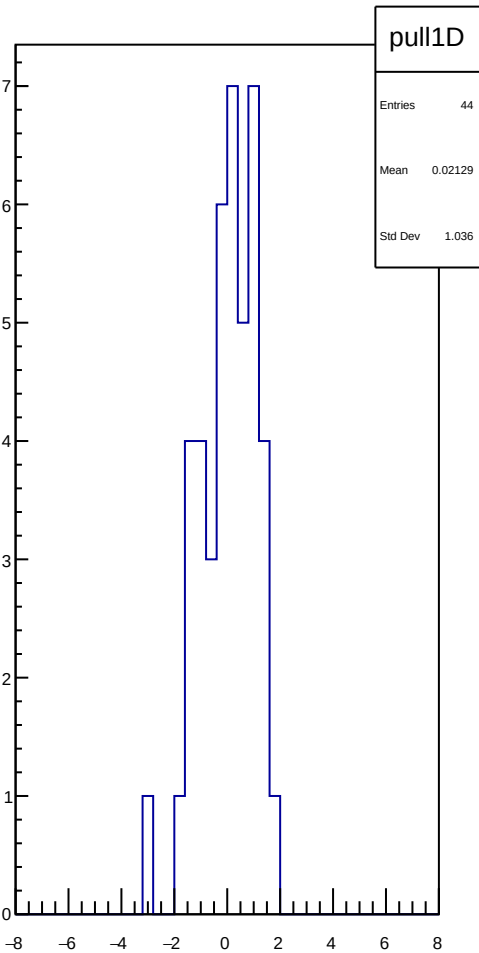
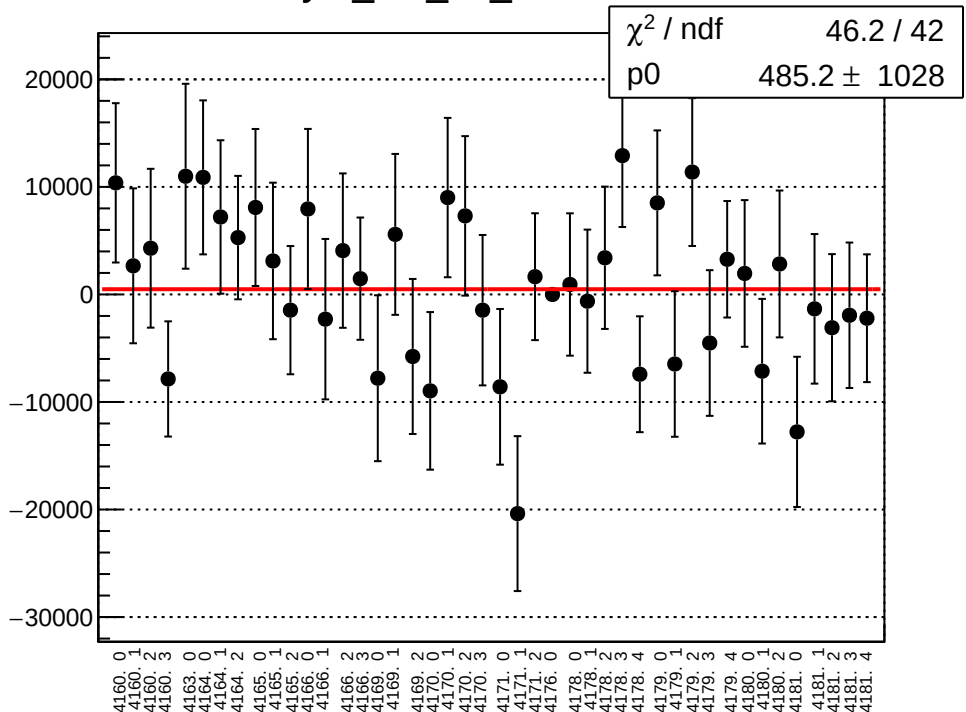
asym\_at2\_dd\_correction\_mean vs run



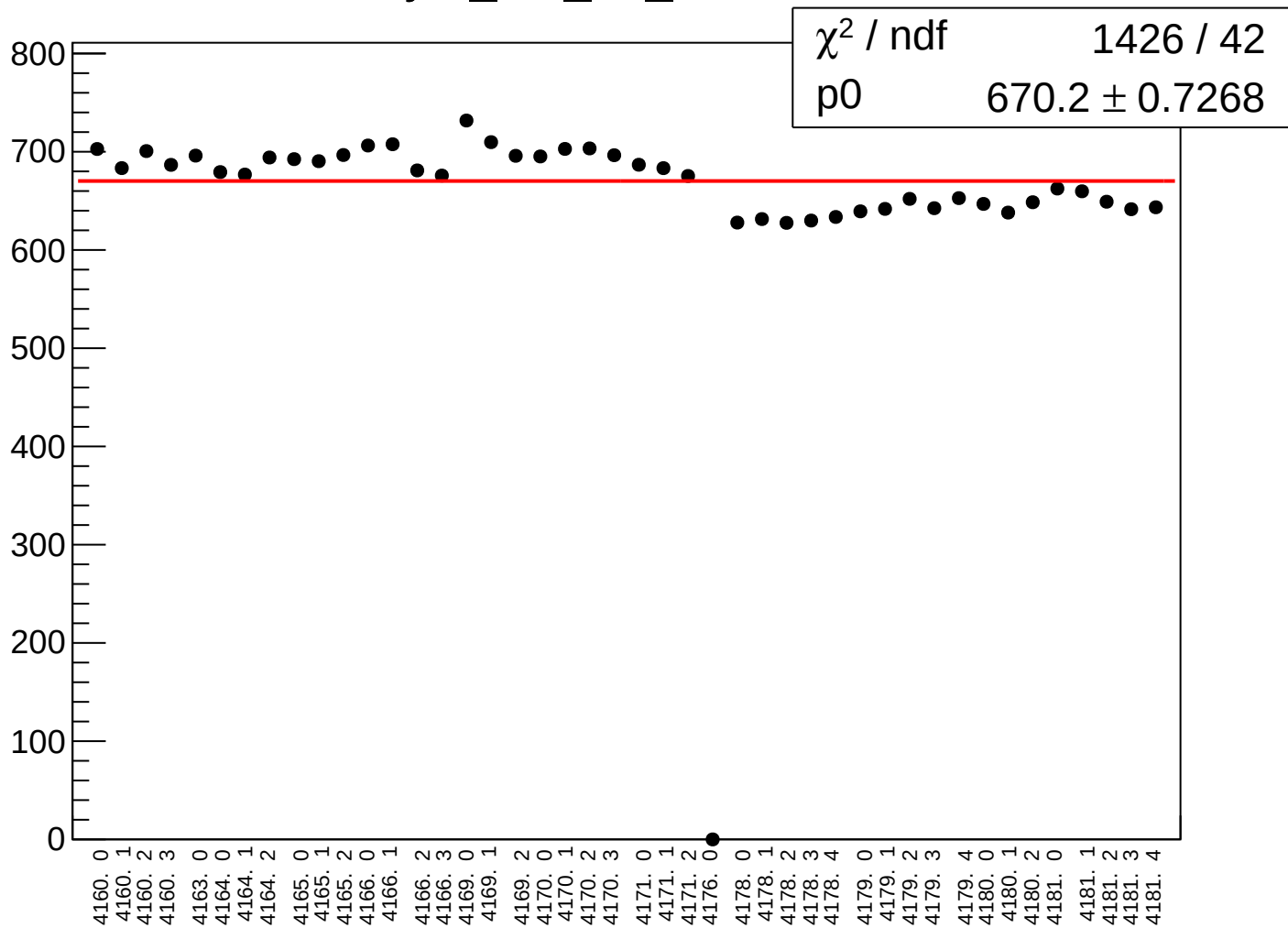
# asym\_at2\_dd\_correction\_rms vs run



asym\_at2\_dd\_mean vs run

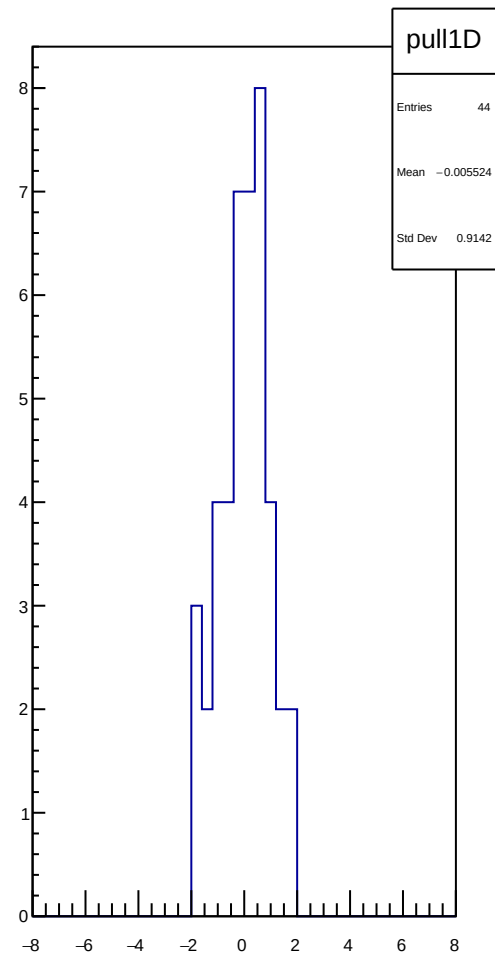
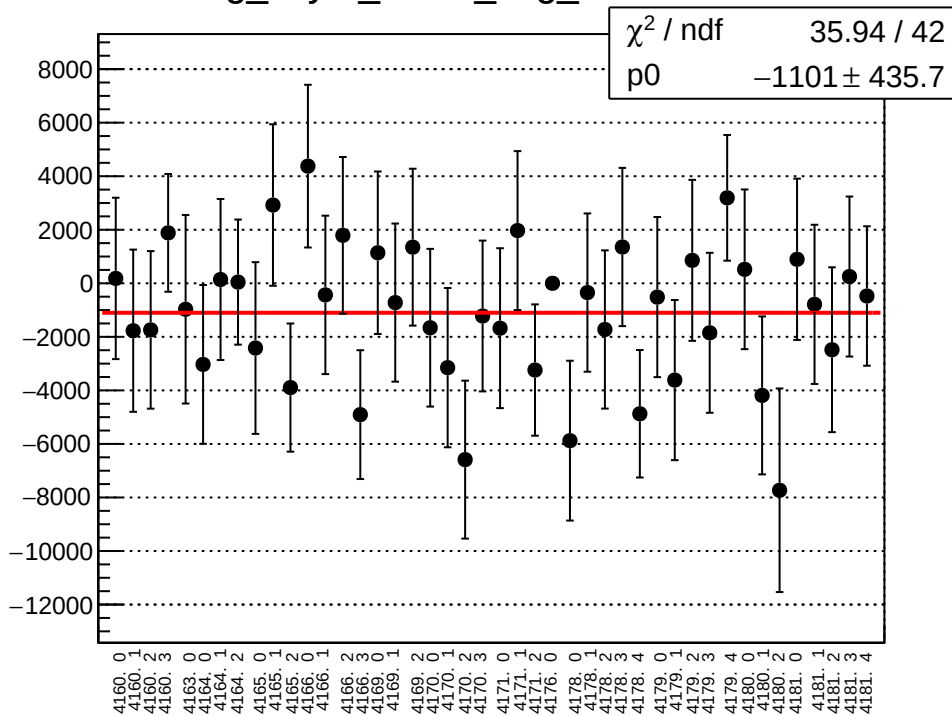


# asym\_at2\_dd\_rms vs run

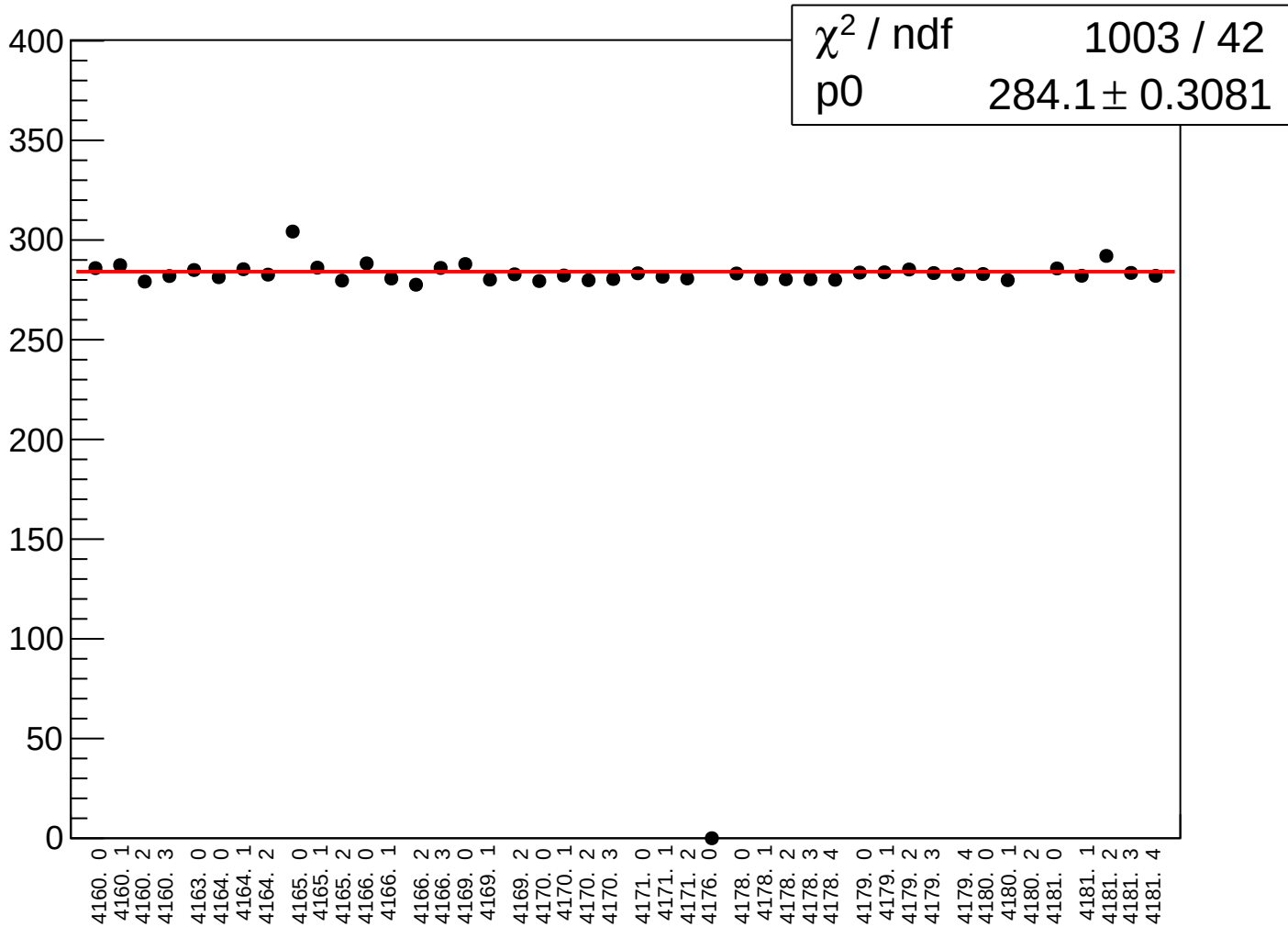




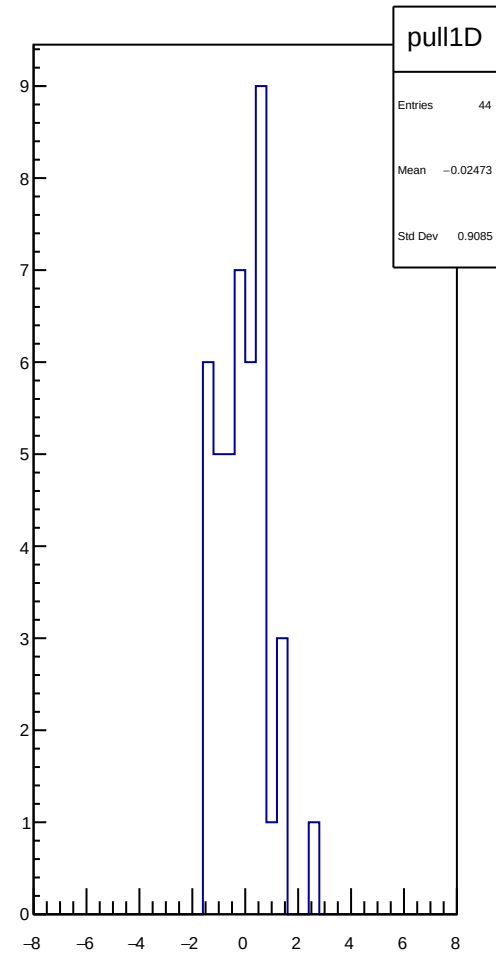
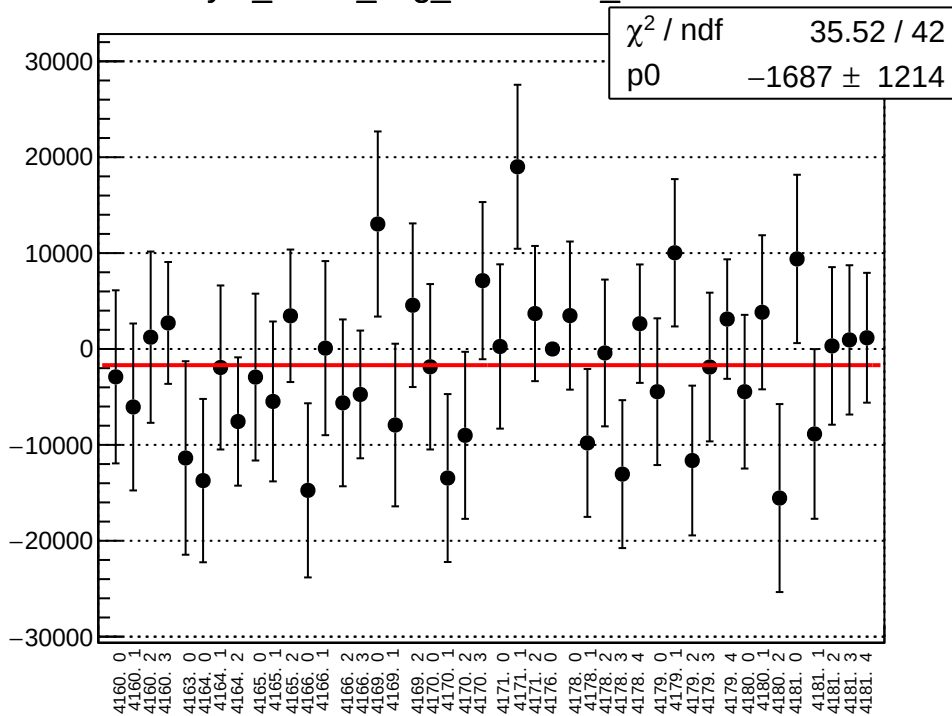
reg\_asym\_atl1r2\_avg\_mean vs run



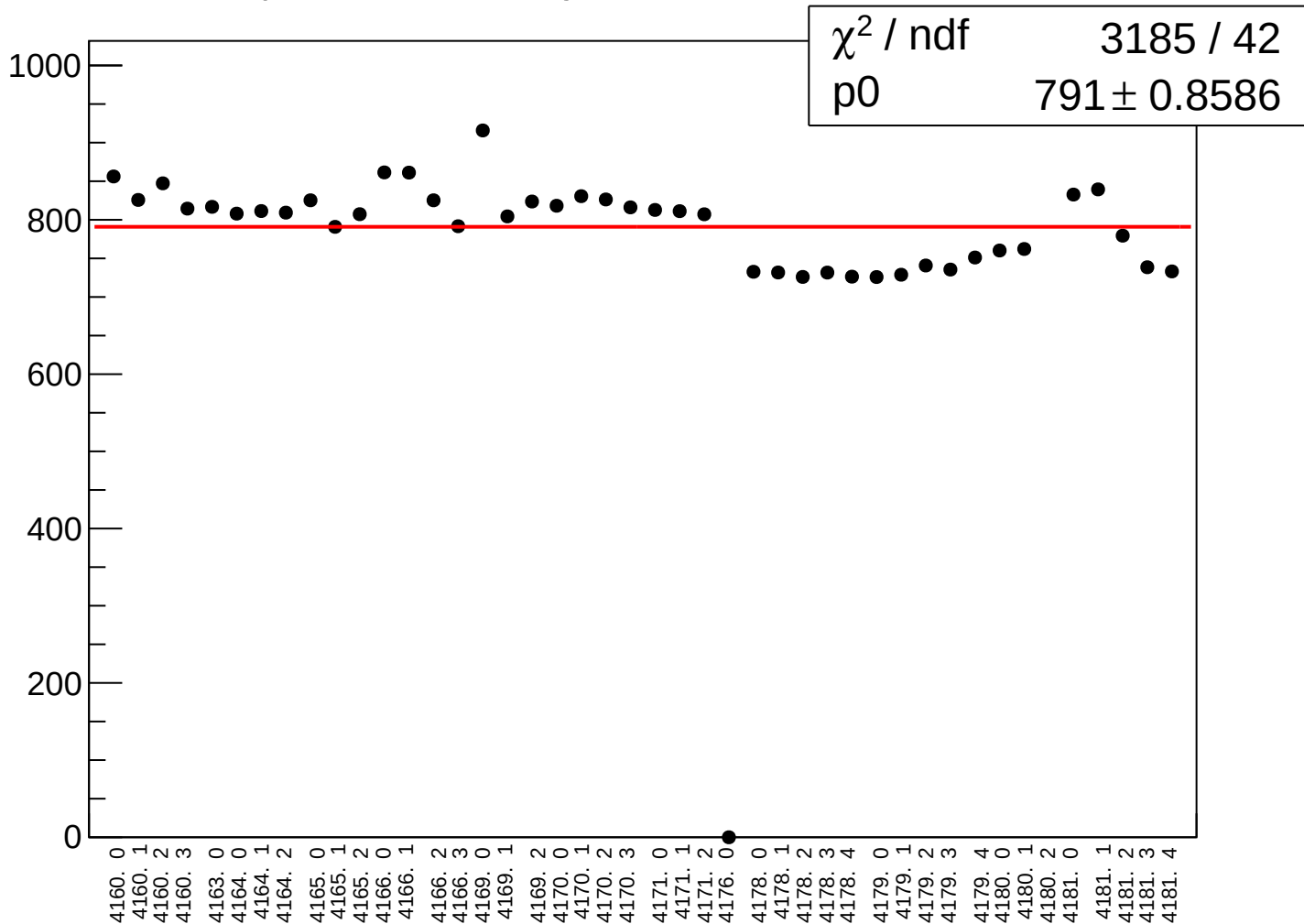
# reg\_asym\_atl1r2\_avg\_rms vs run



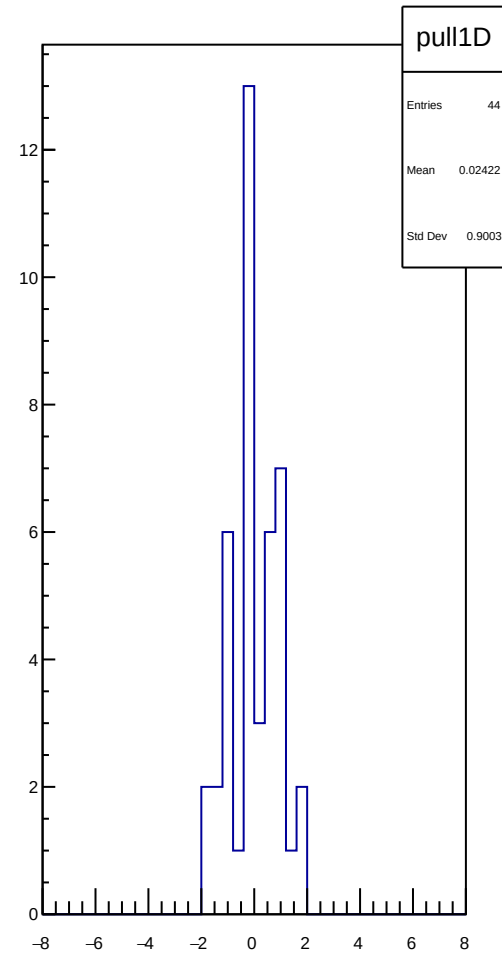
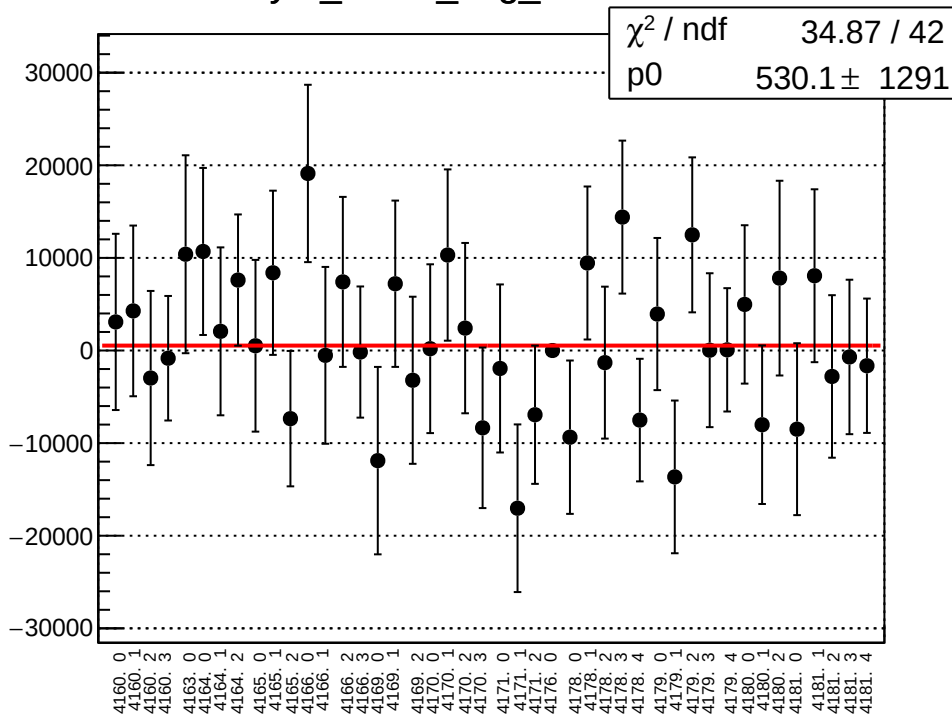
asym\_atl1r2\_avg\_correction\_mean vs run



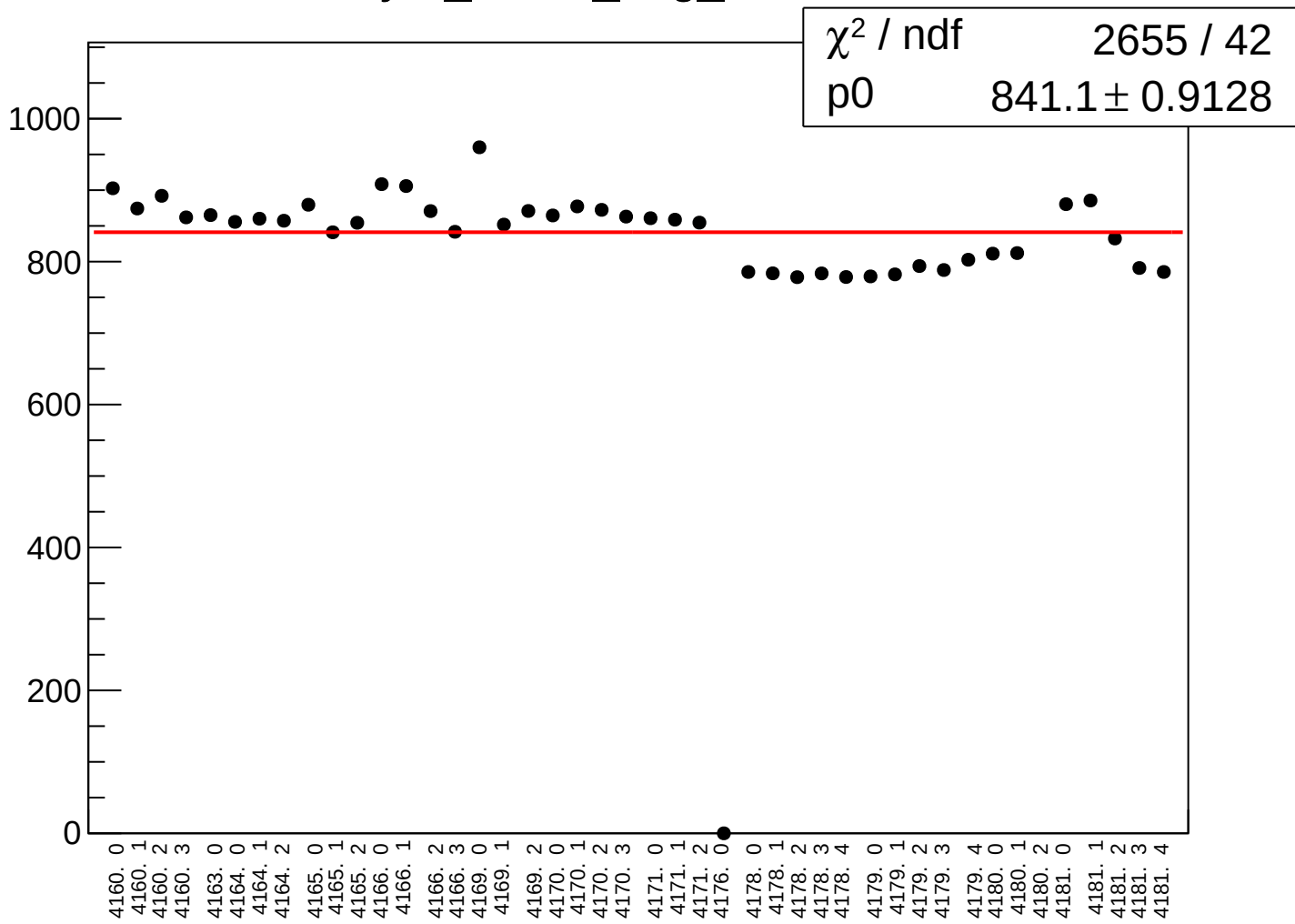
# asym\_atl1r2\_avg\_correction\_rms vs run



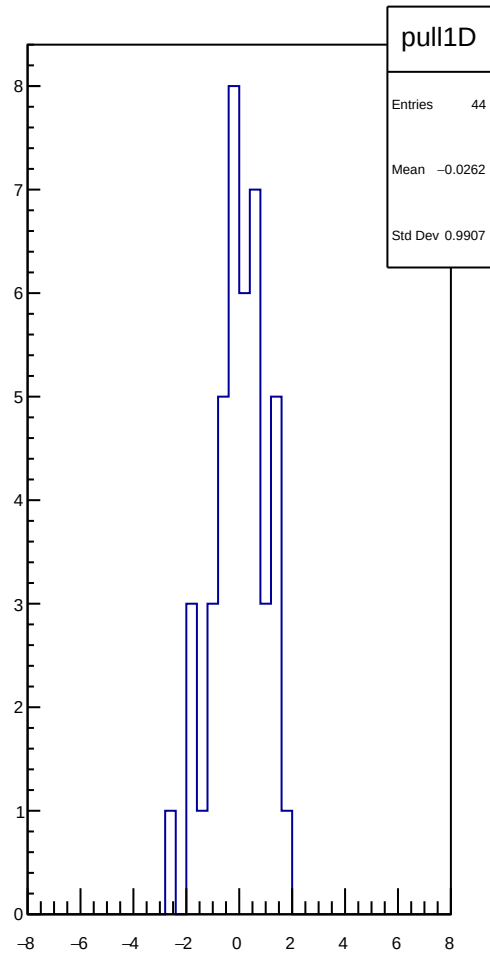
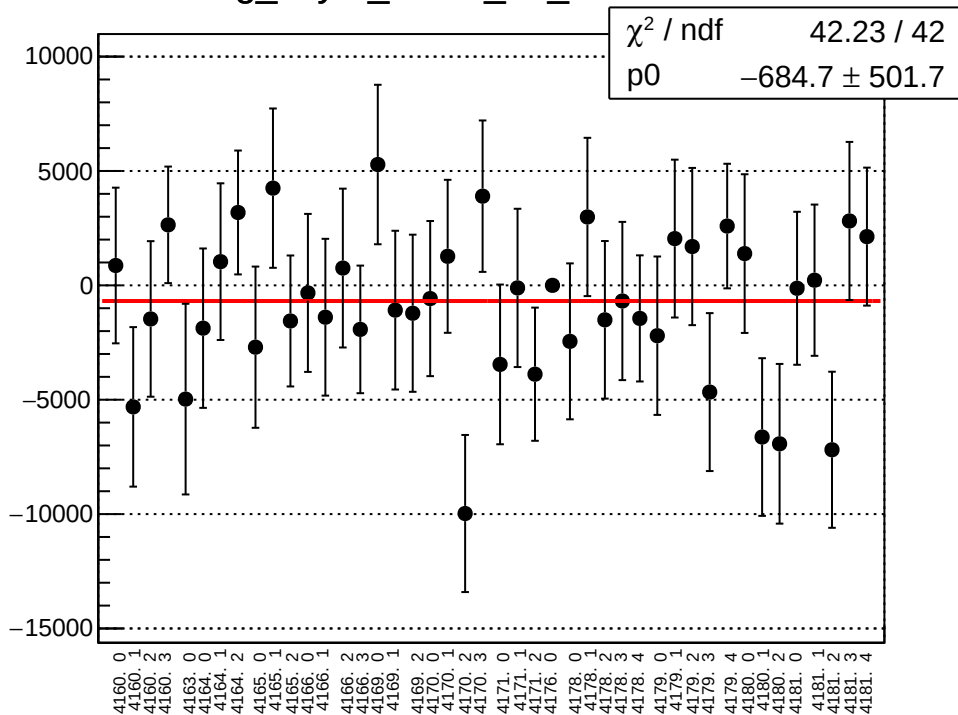
asym\_atl1r2\_avg\_mean vs run



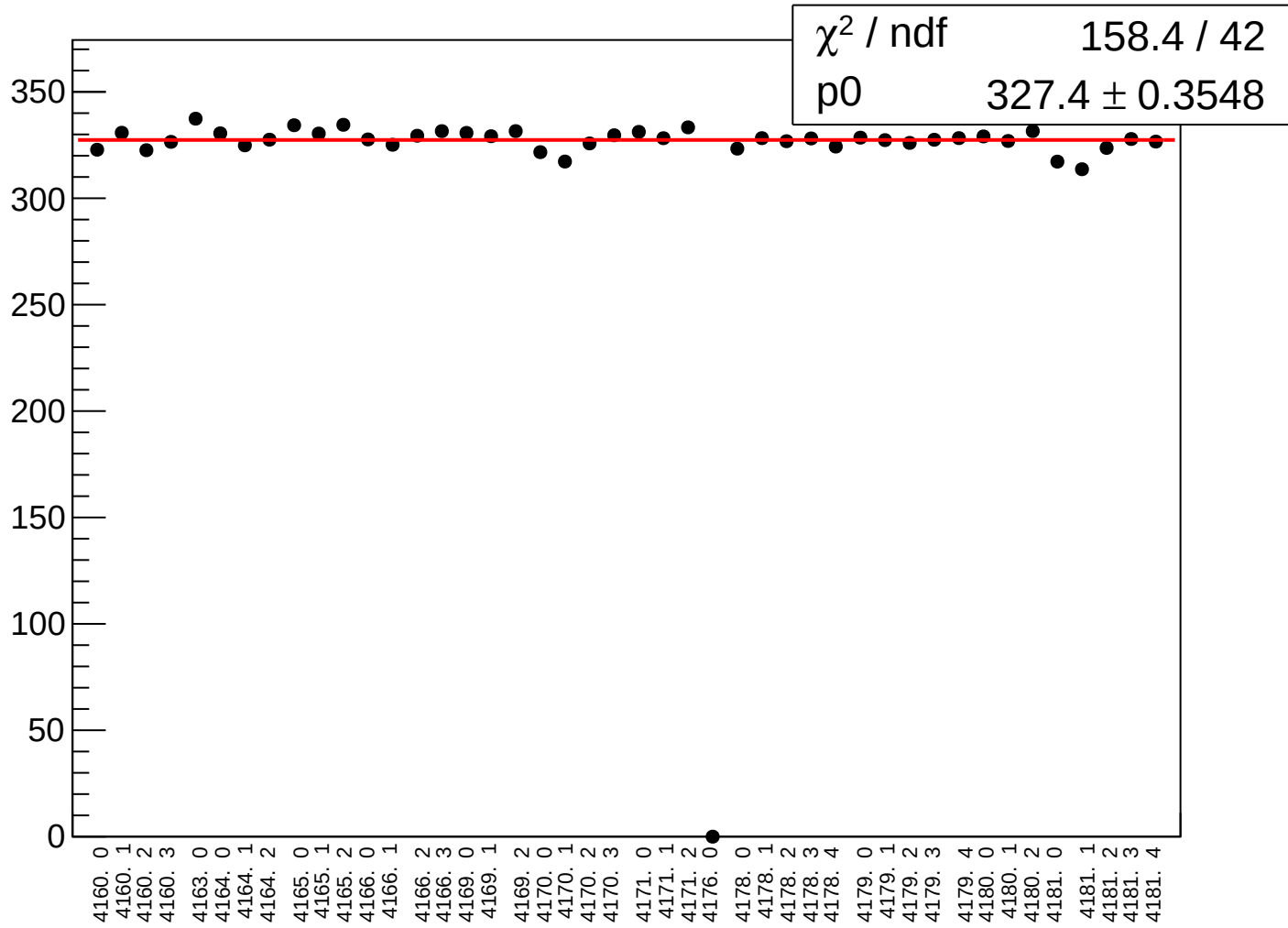
# asym\_atl1r2\_avg\_rms vs run



reg\_asym\_atl1r2\_dd\_mean vs run

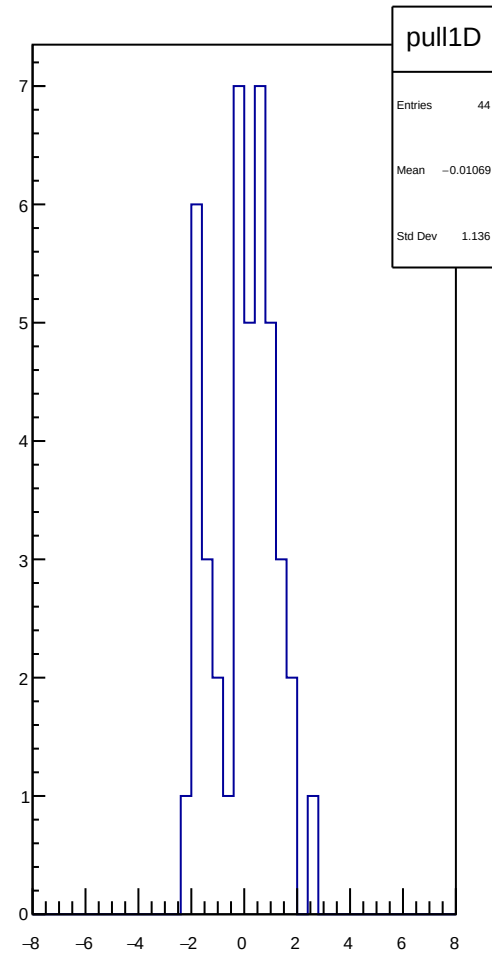
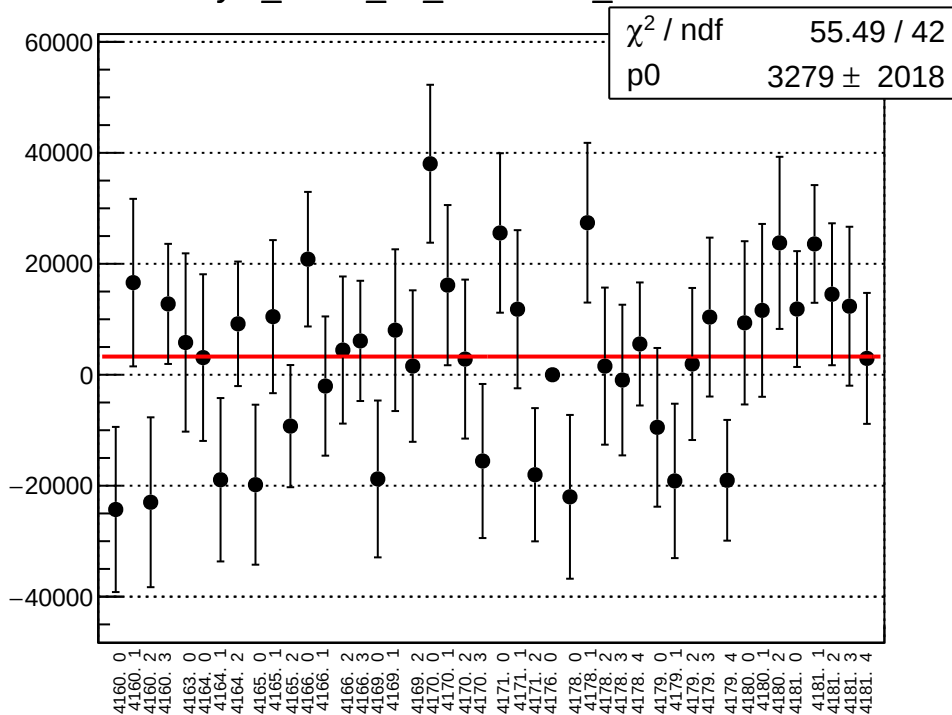


# reg\_asym\_atl1r2\_dd\_rms vs run

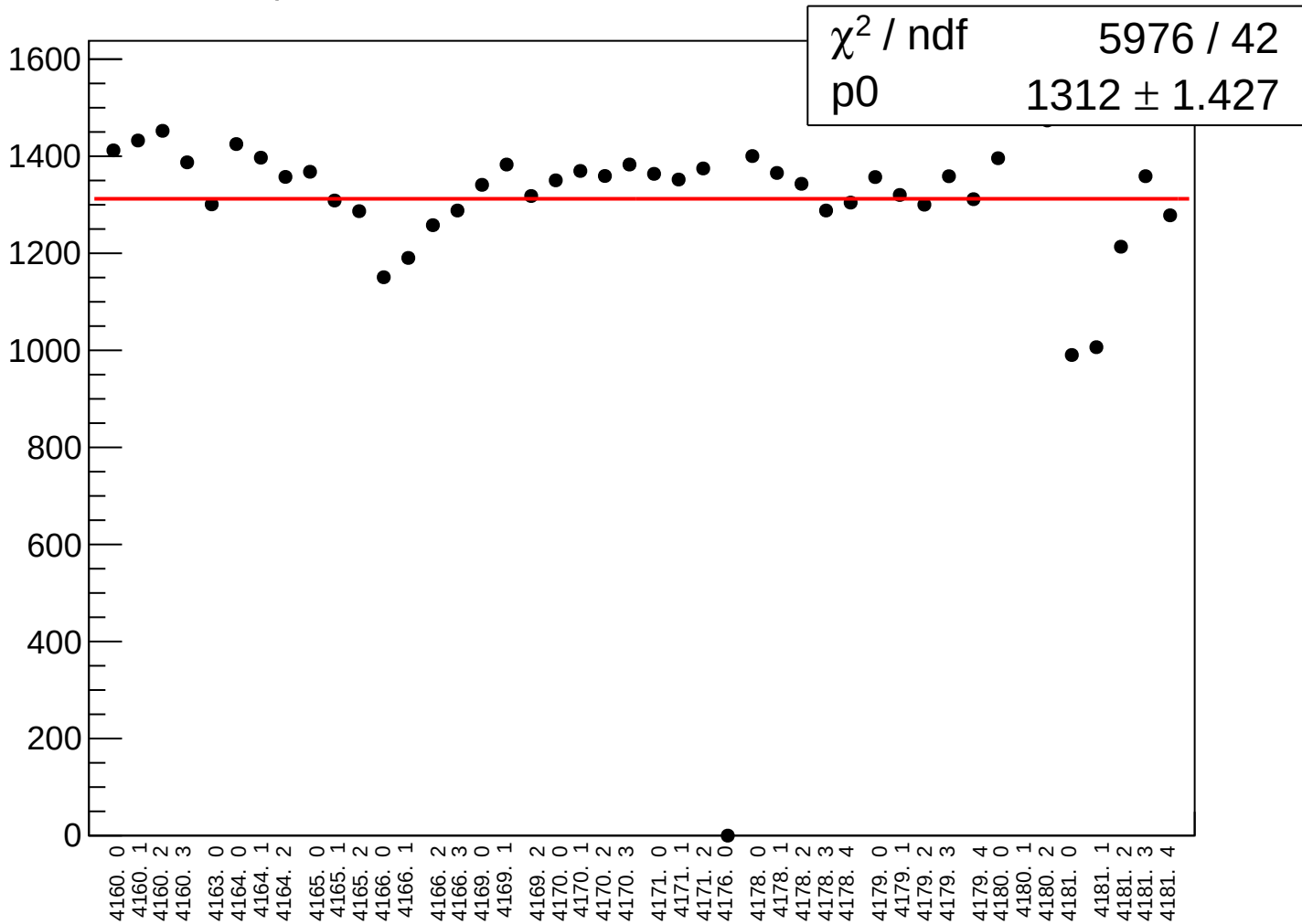




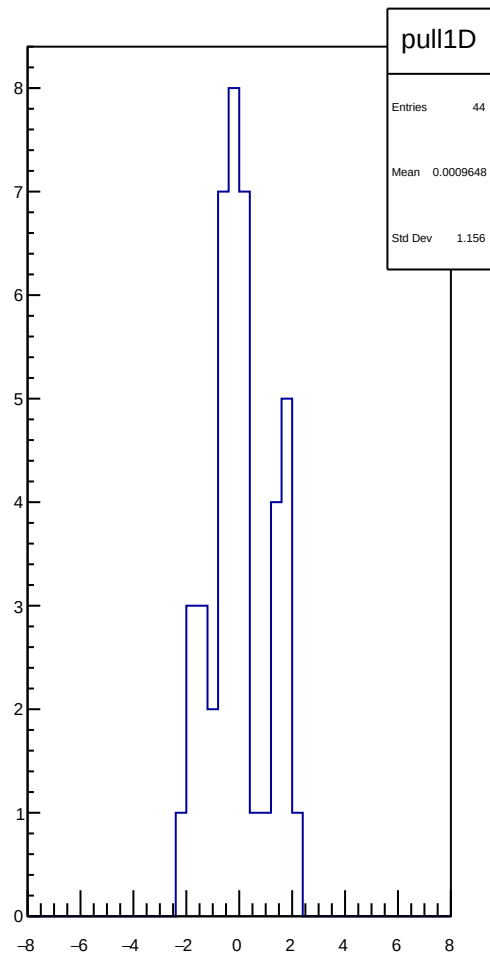
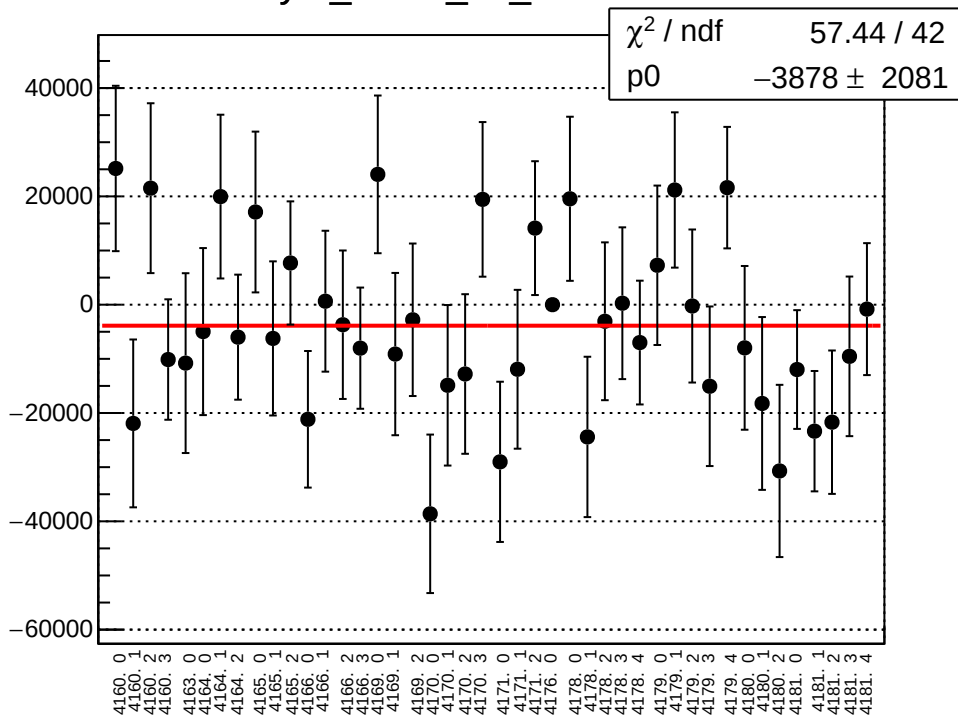
asym\_atl1r2\_dd\_correction\_mean vs run



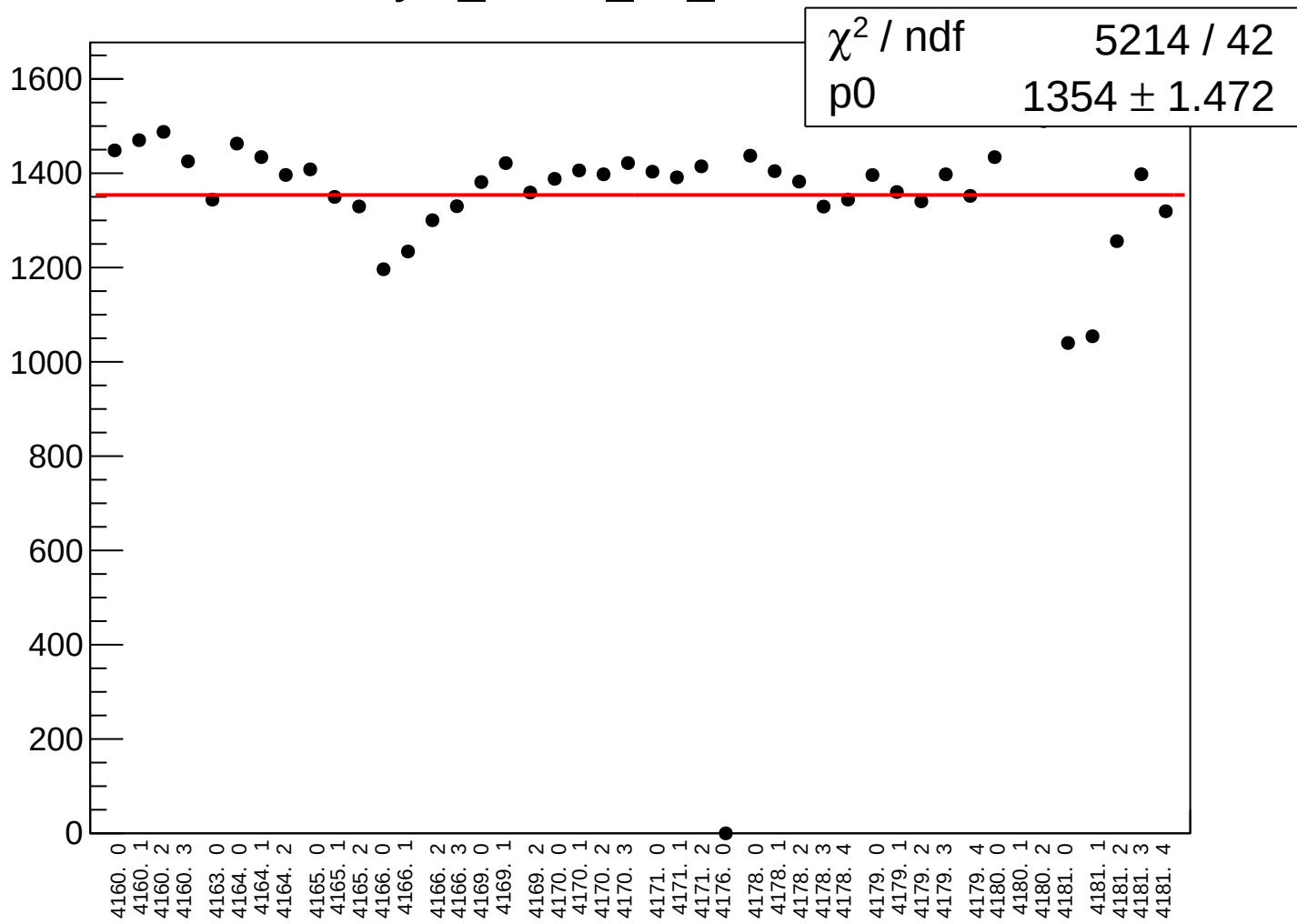
# asym\_atl1r2\_dd\_correction\_rms vs run



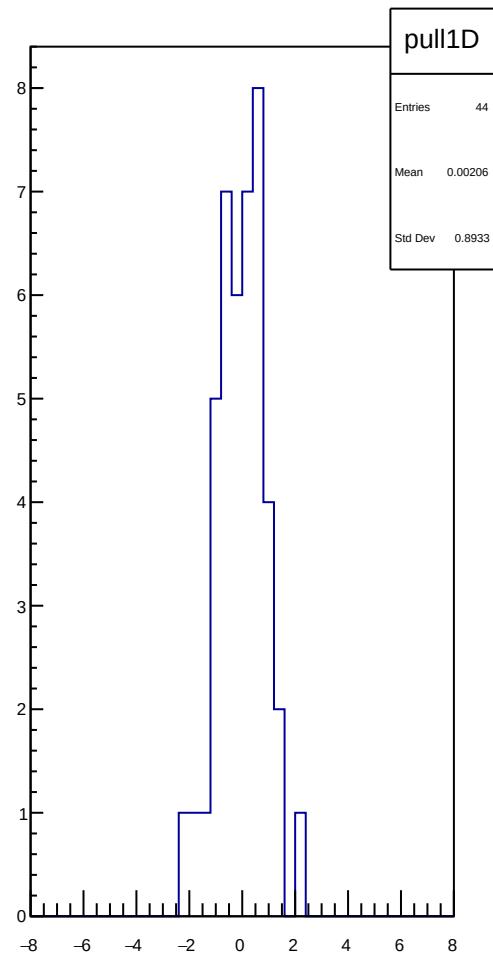
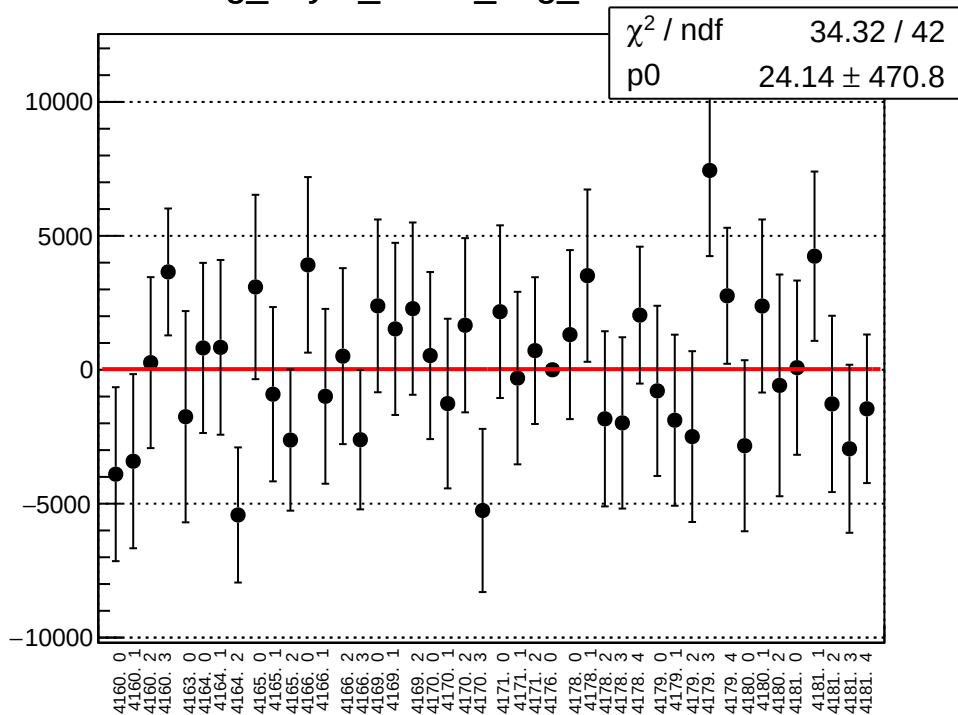
asym\_atl1r2\_dd\_mean vs run



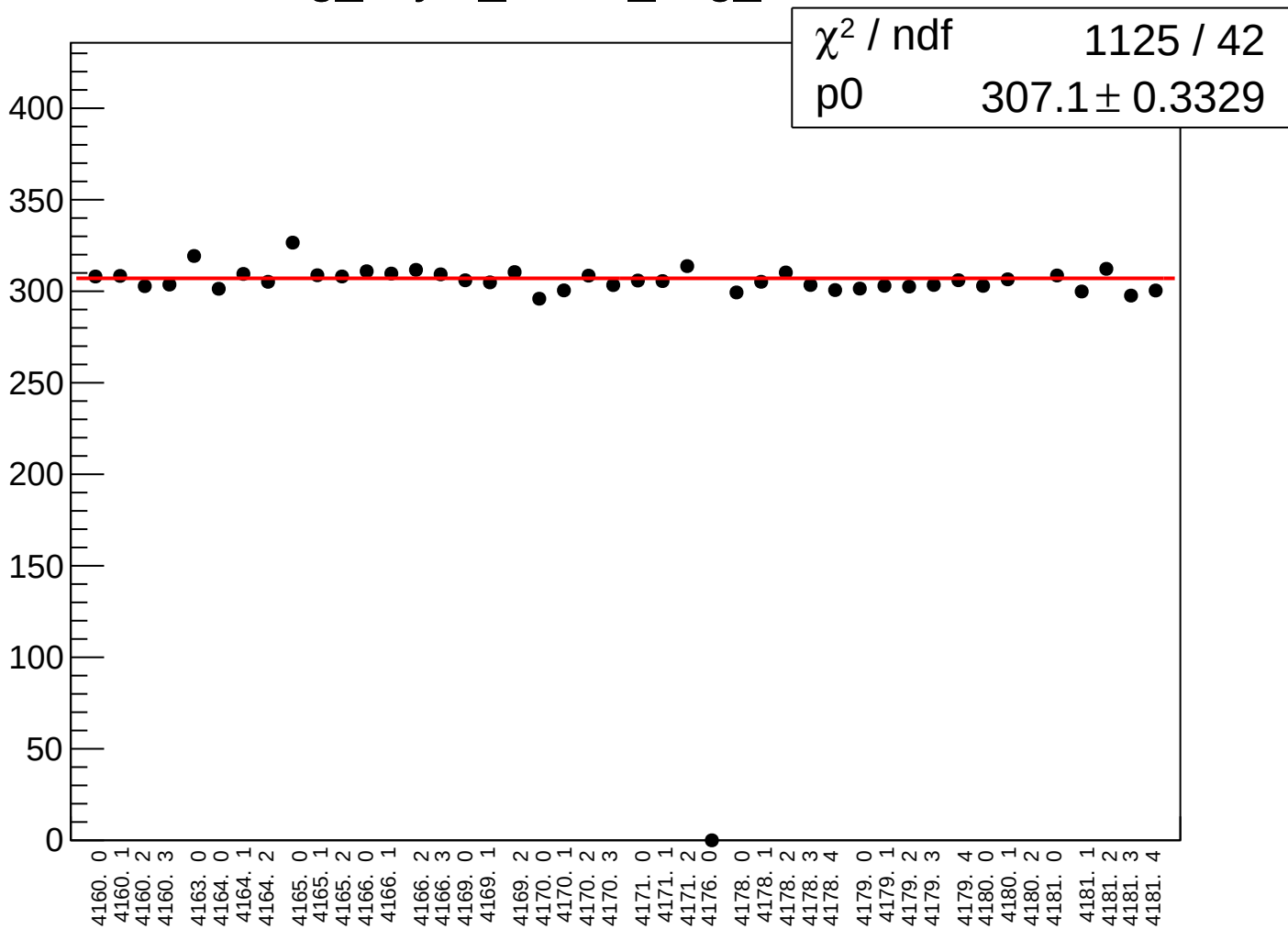
# asym\_atl1r2\_dd\_rms vs run



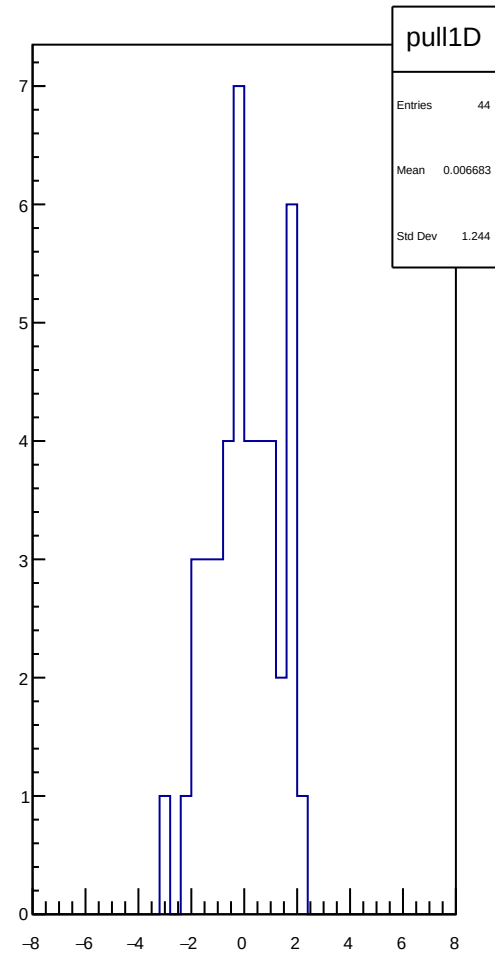
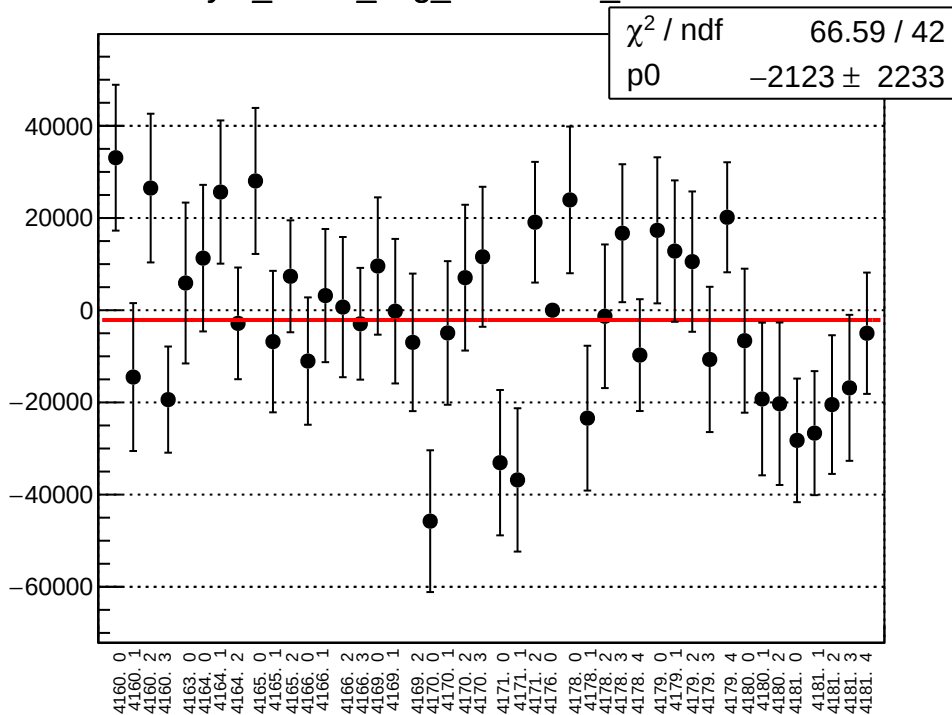
reg\_asym\_atr1l2\_avg\_mean vs run



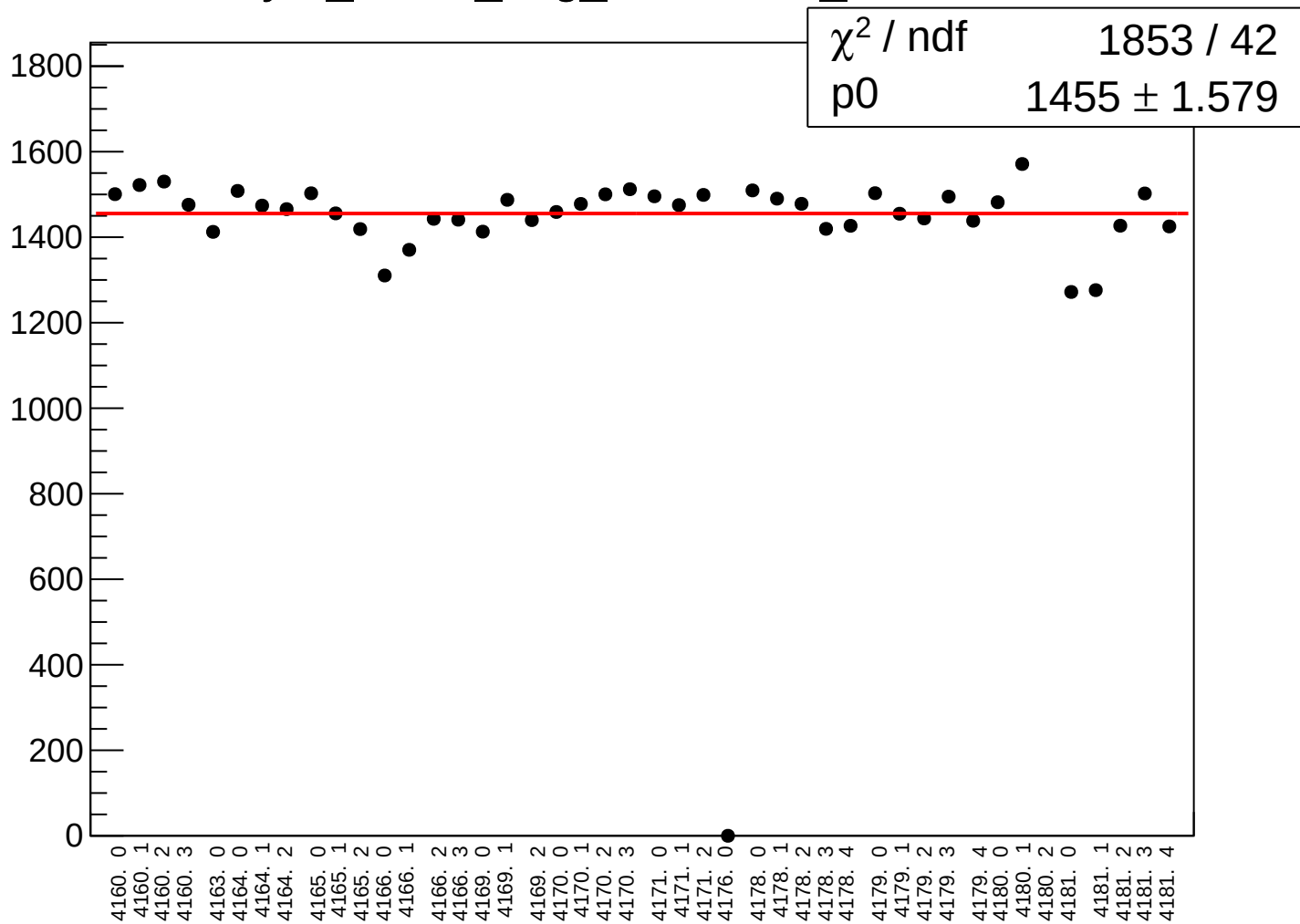
# reg\_asym\_atr1l2\_avg\_rms vs run



asym\_atr1l2\_avg\_correction\_mean vs run

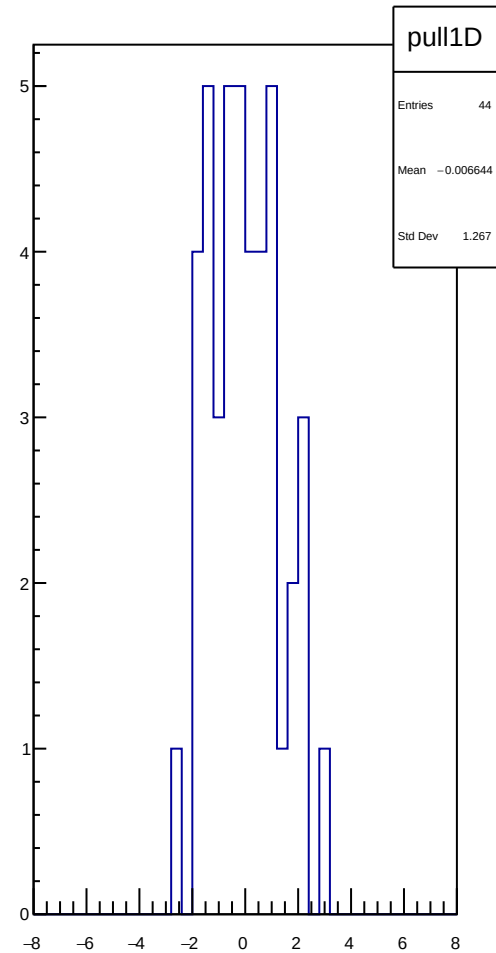
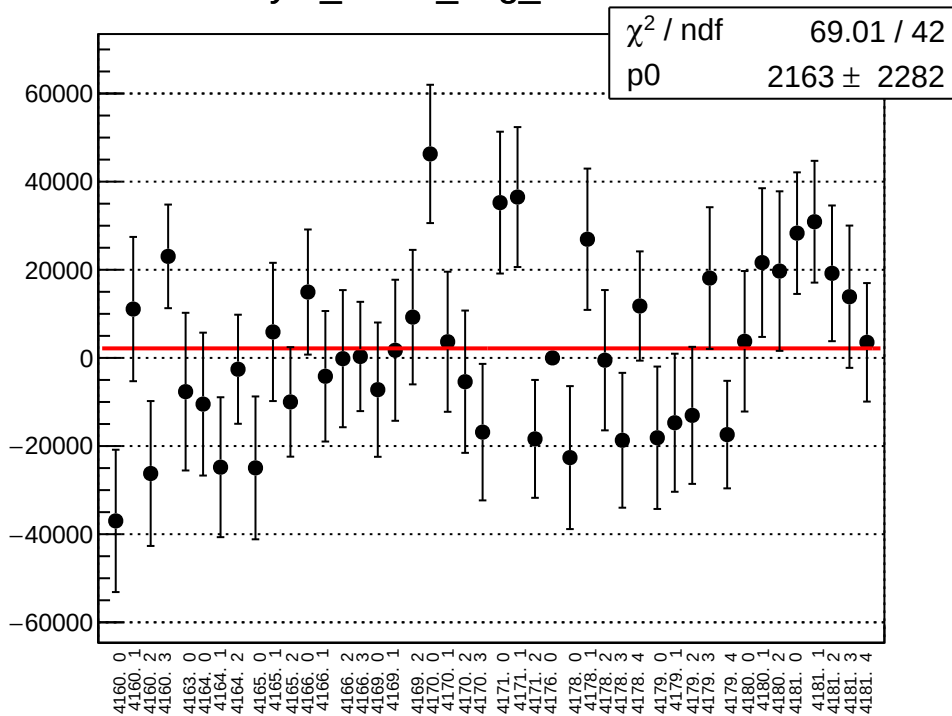


# asym\_atr1l2\_avg\_correction\_rms vs run

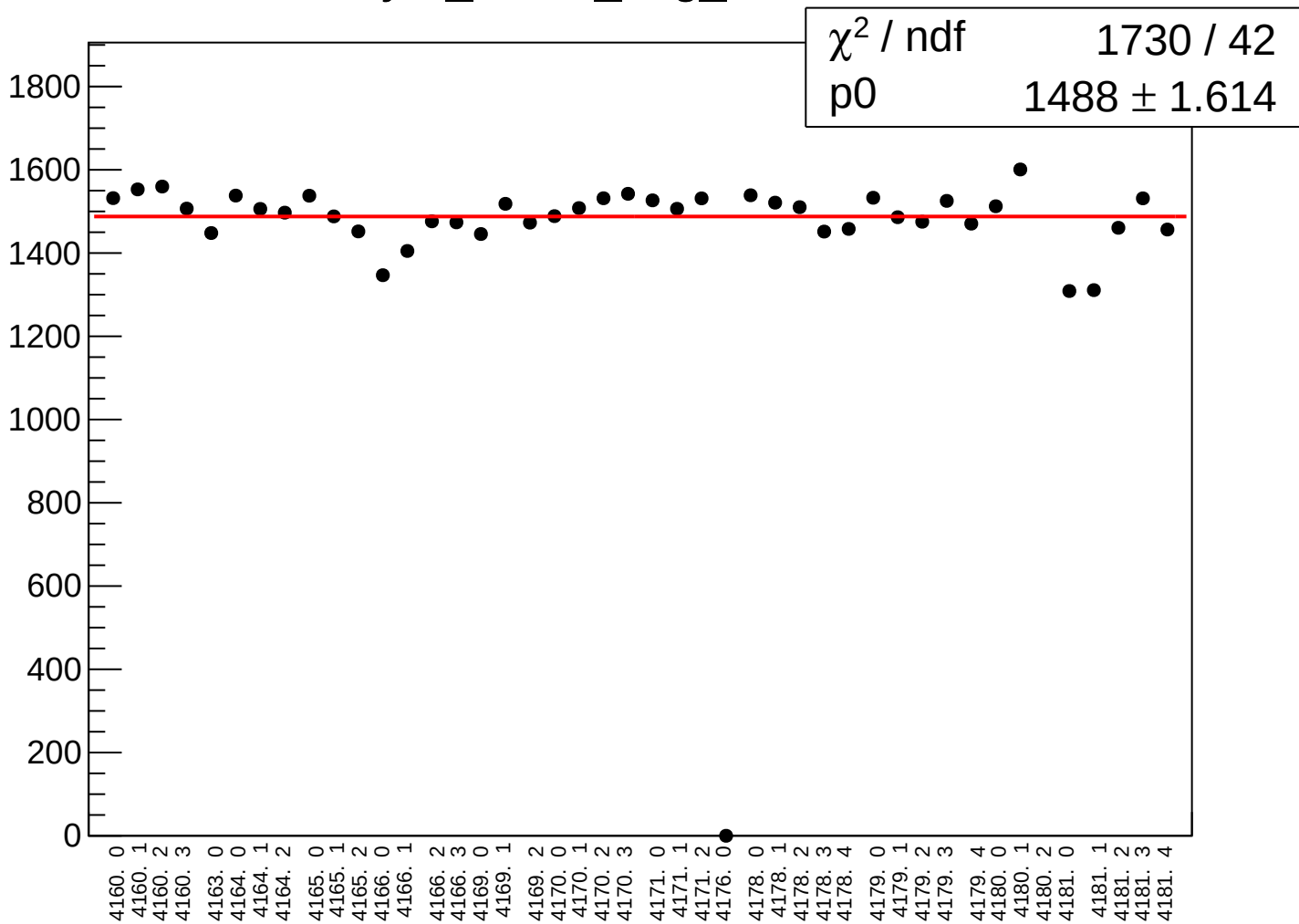




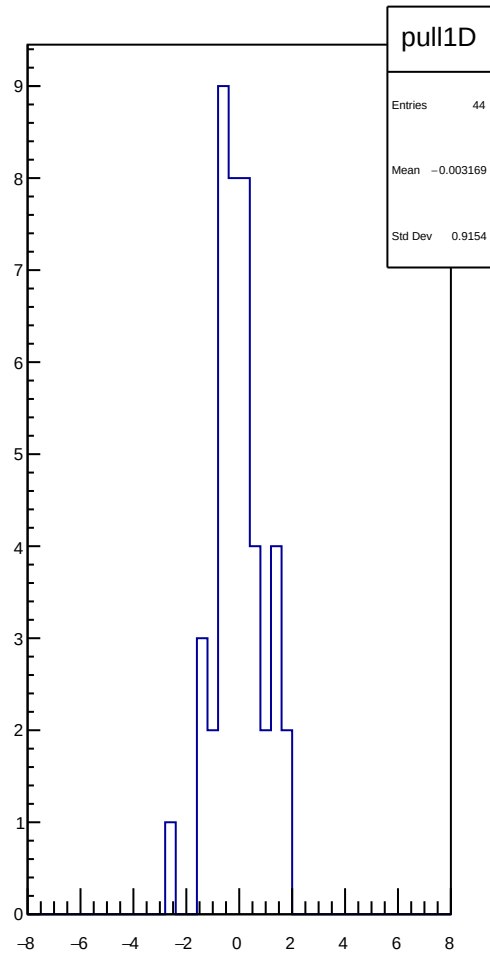
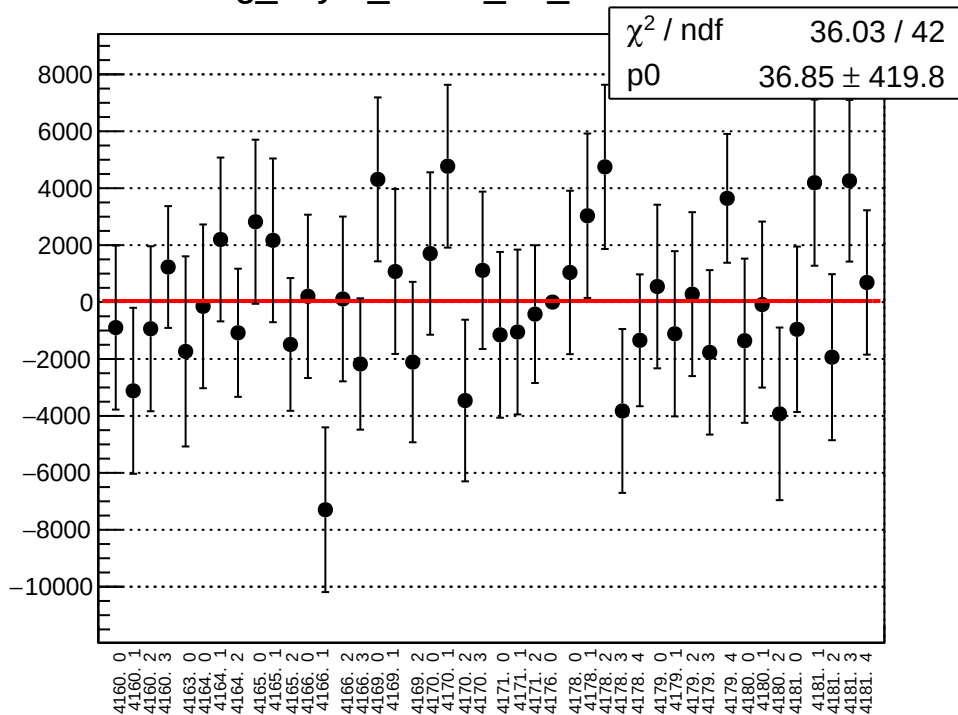
asym\_atr1l2\_avg\_mean vs run



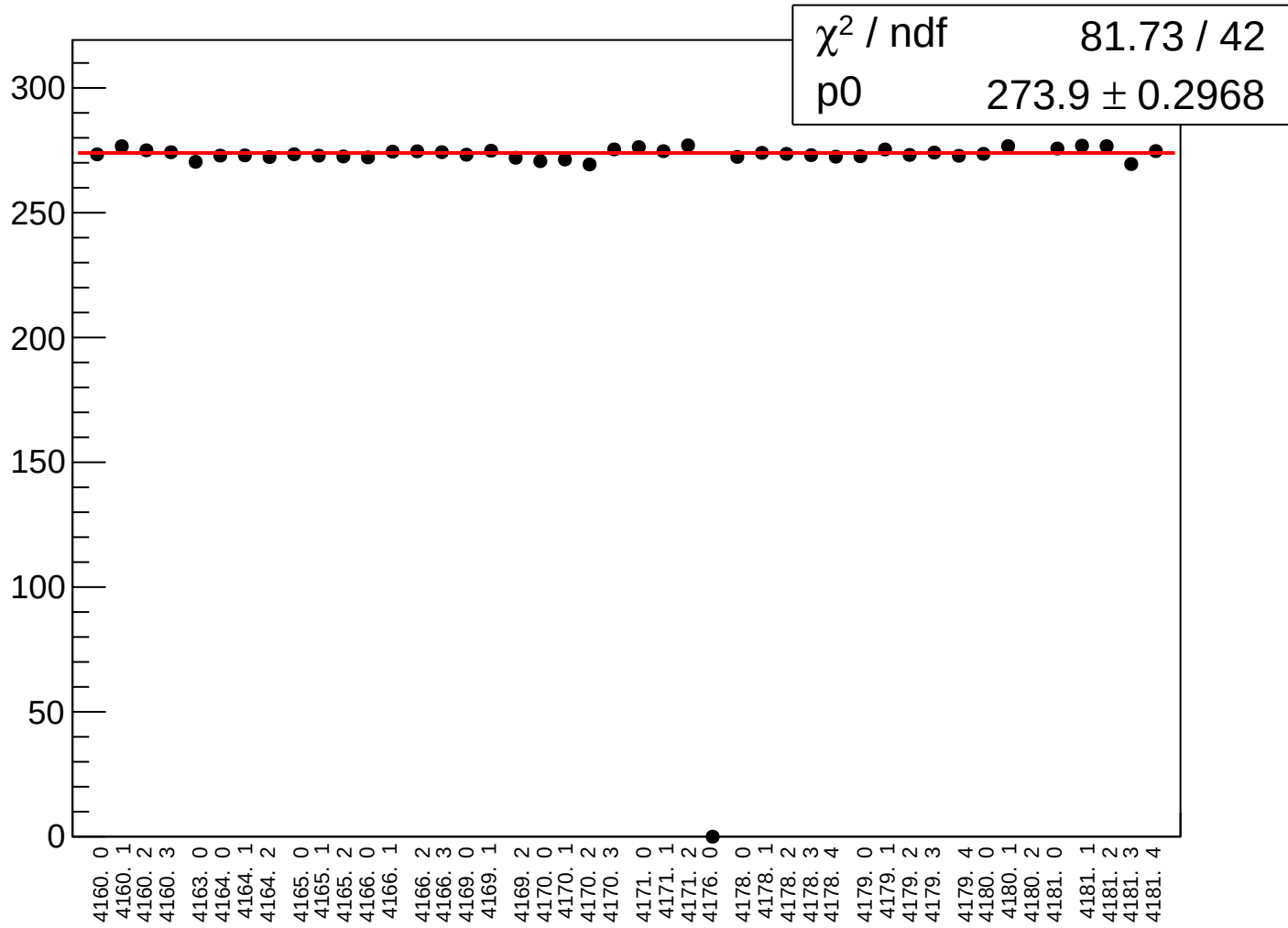
# asym\_atr1l2\_avg\_rms vs run



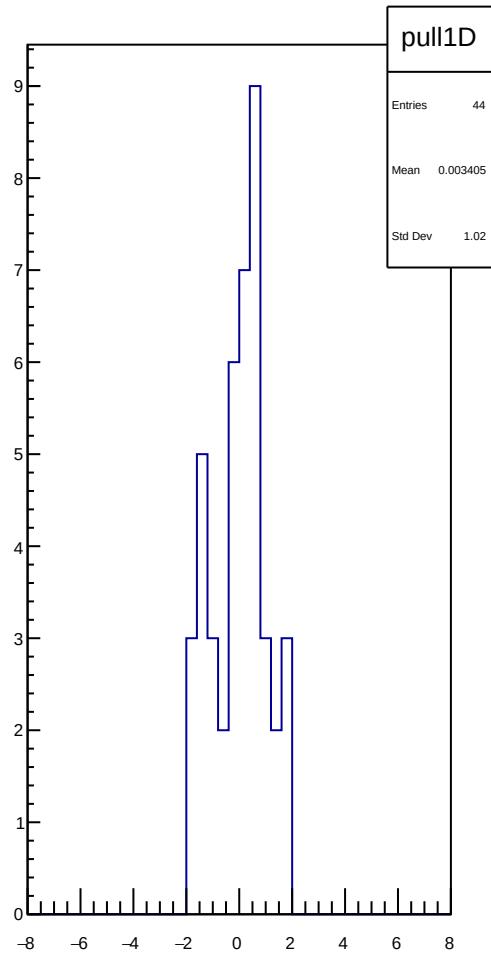
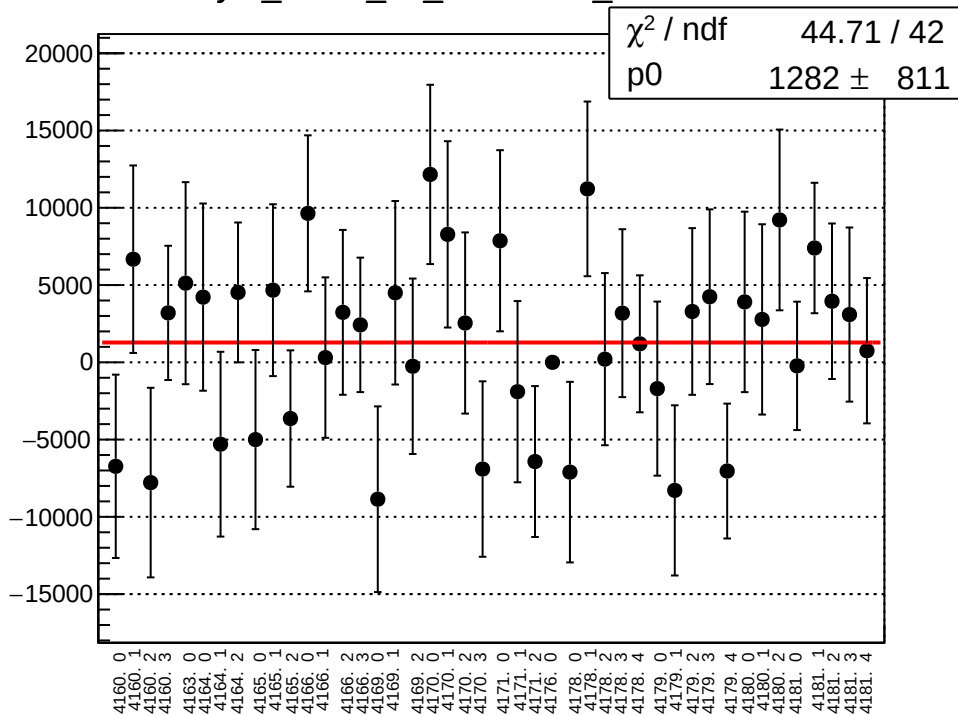
reg\_asym\_atr1l2\_dd\_mean vs run



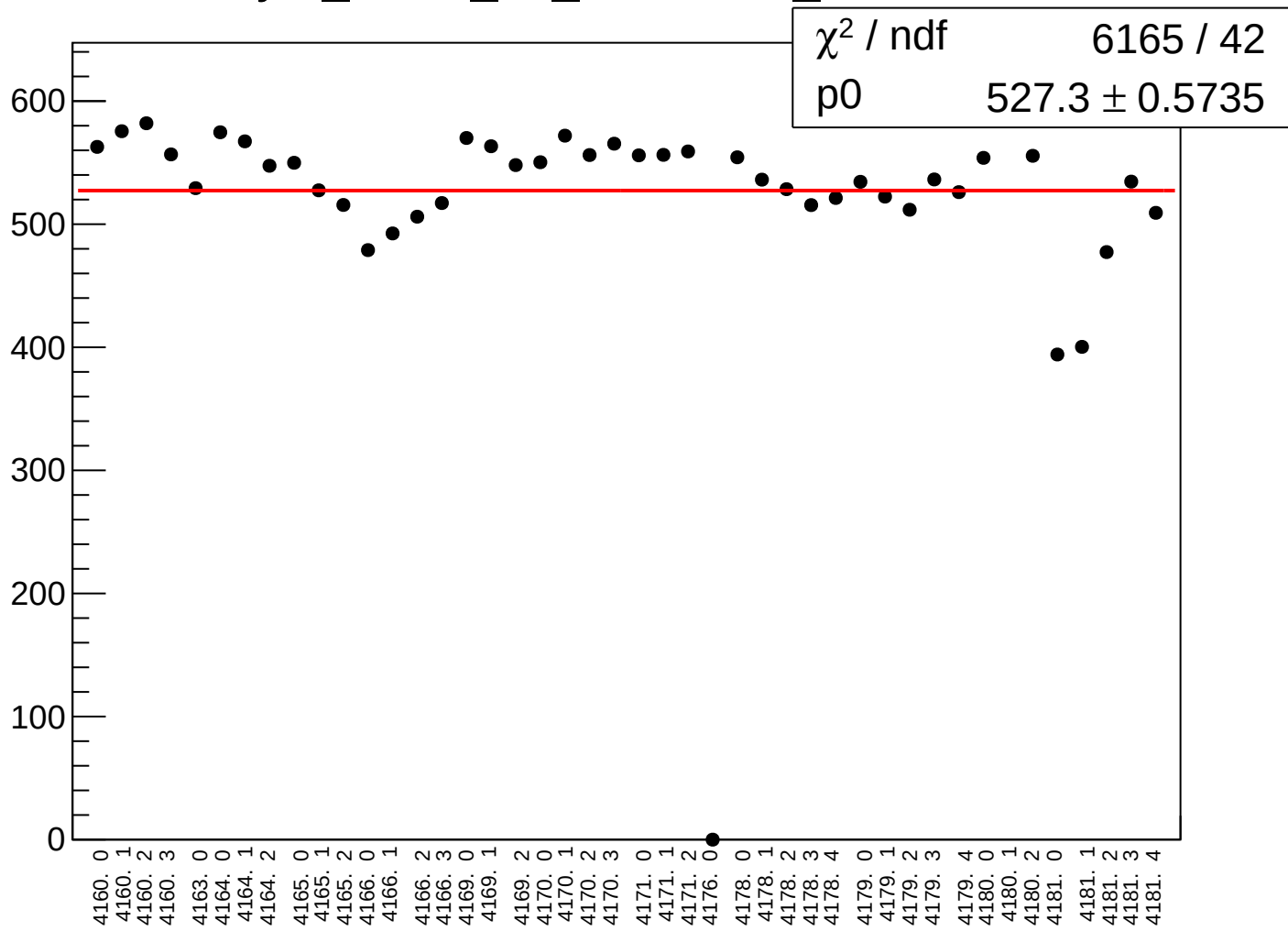
# reg\_asym\_atr1l2\_dd\_rms vs run



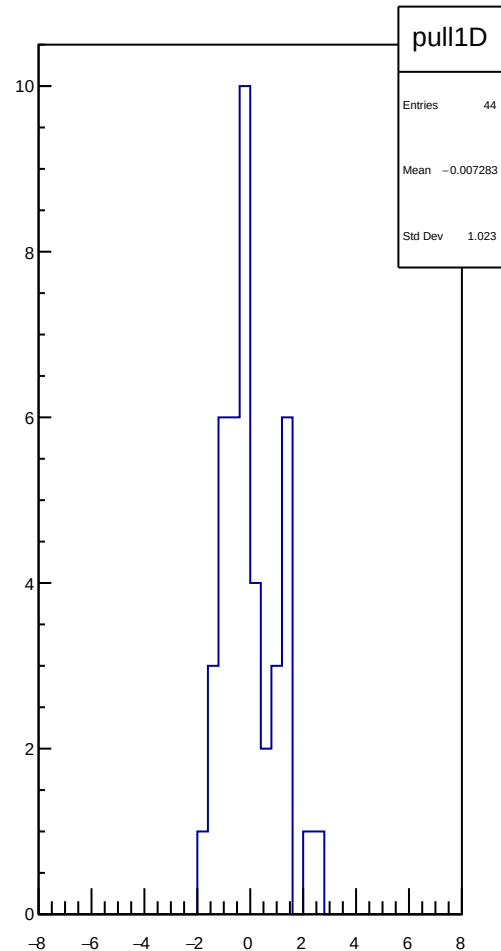
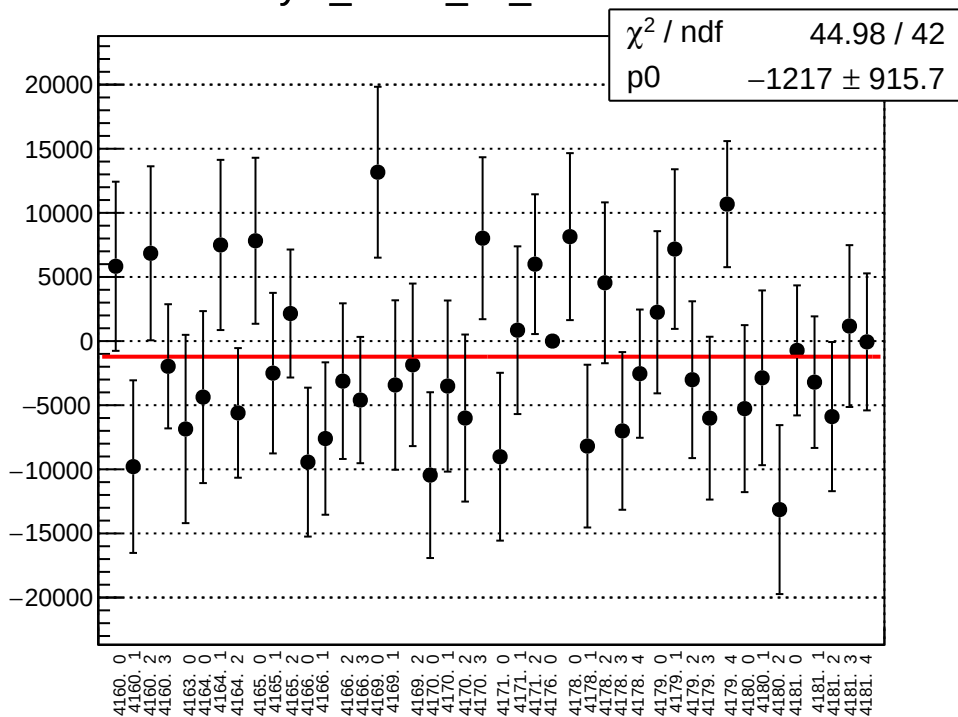
asym\_atr1l2\_dd\_correction\_mean vs run



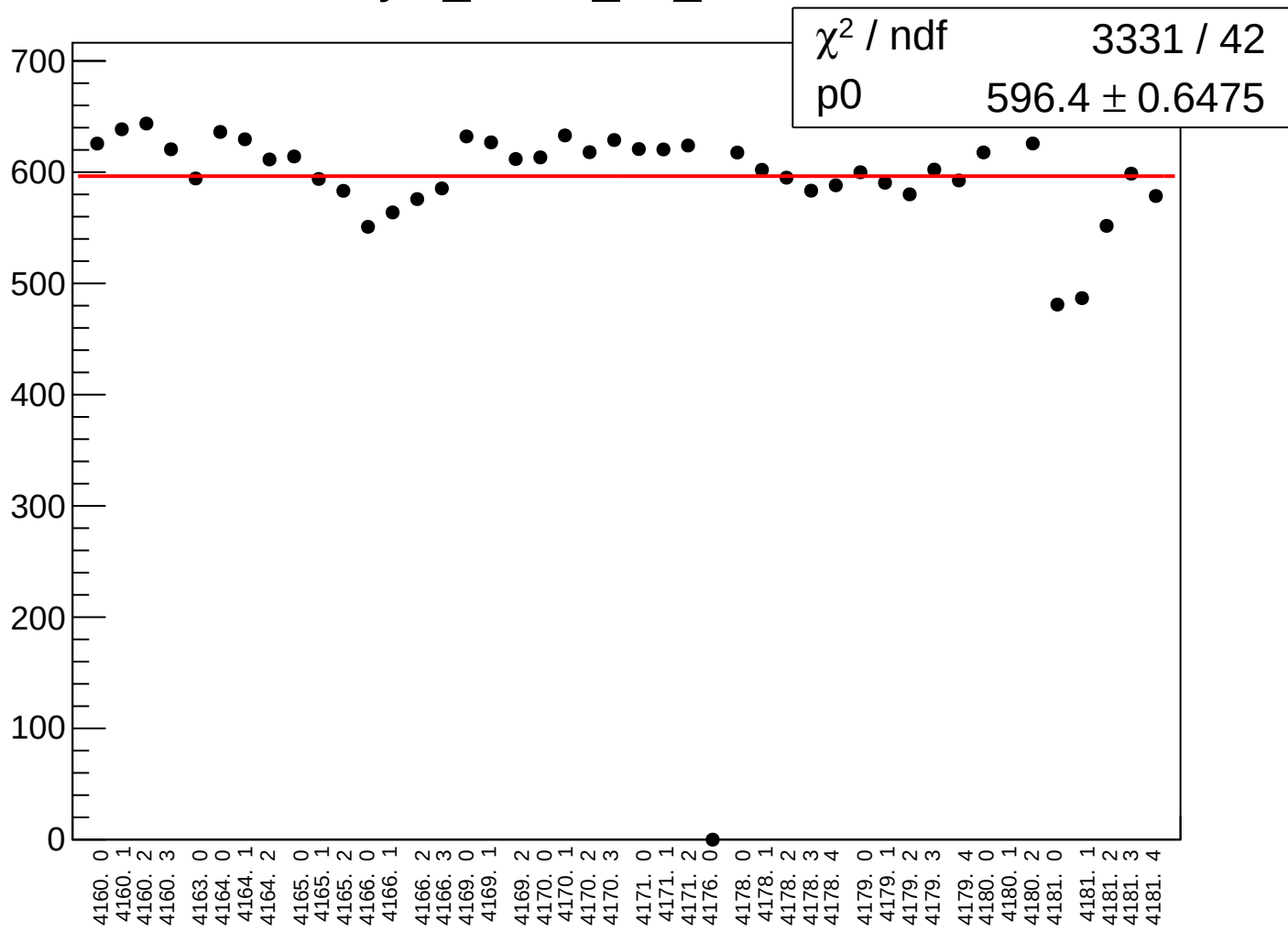
# asym\_atr1l2\_dd\_correction\_rms vs run



asym\_atr1l2\_dd\_mean vs run

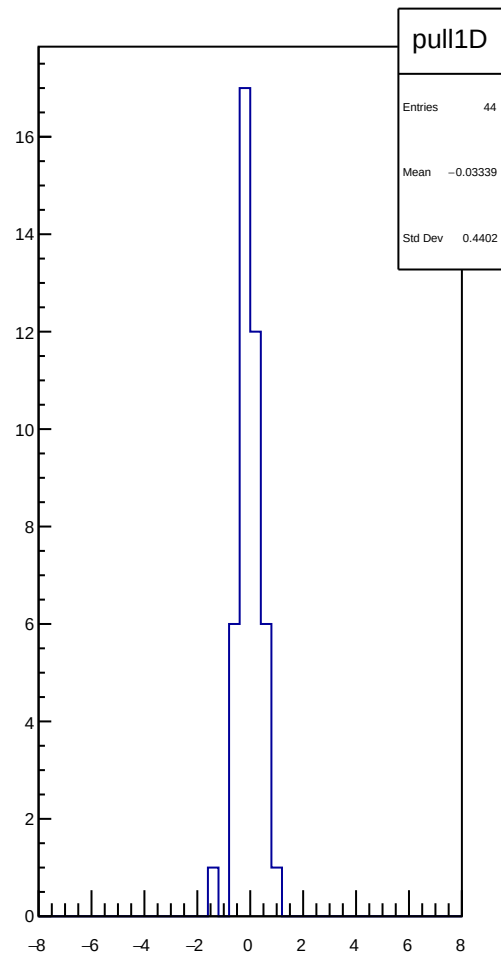
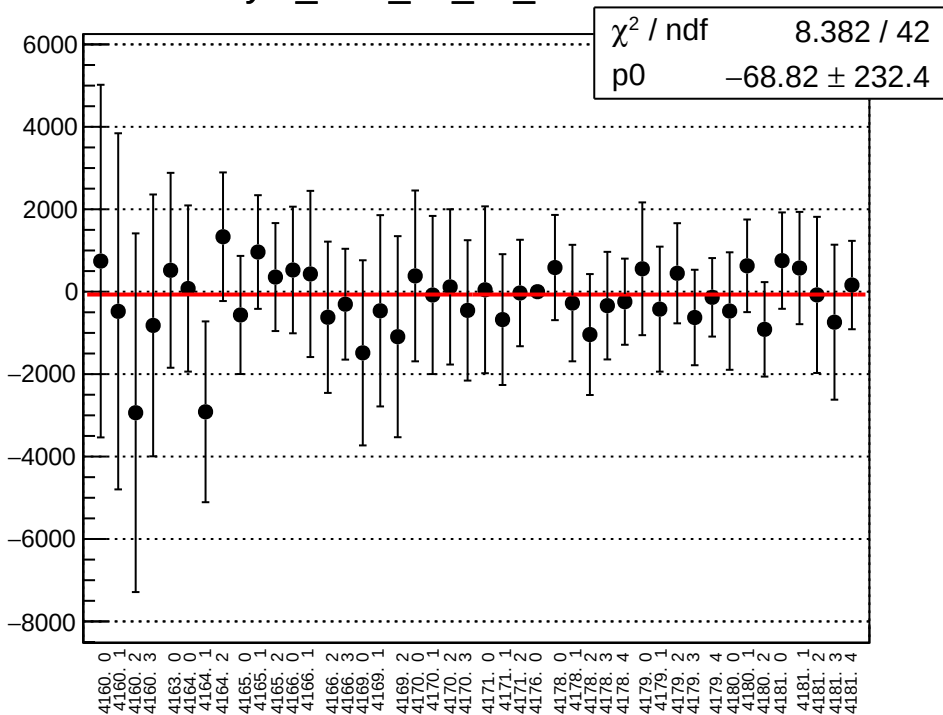


# asym\_atr1l2\_dd\_rms vs run

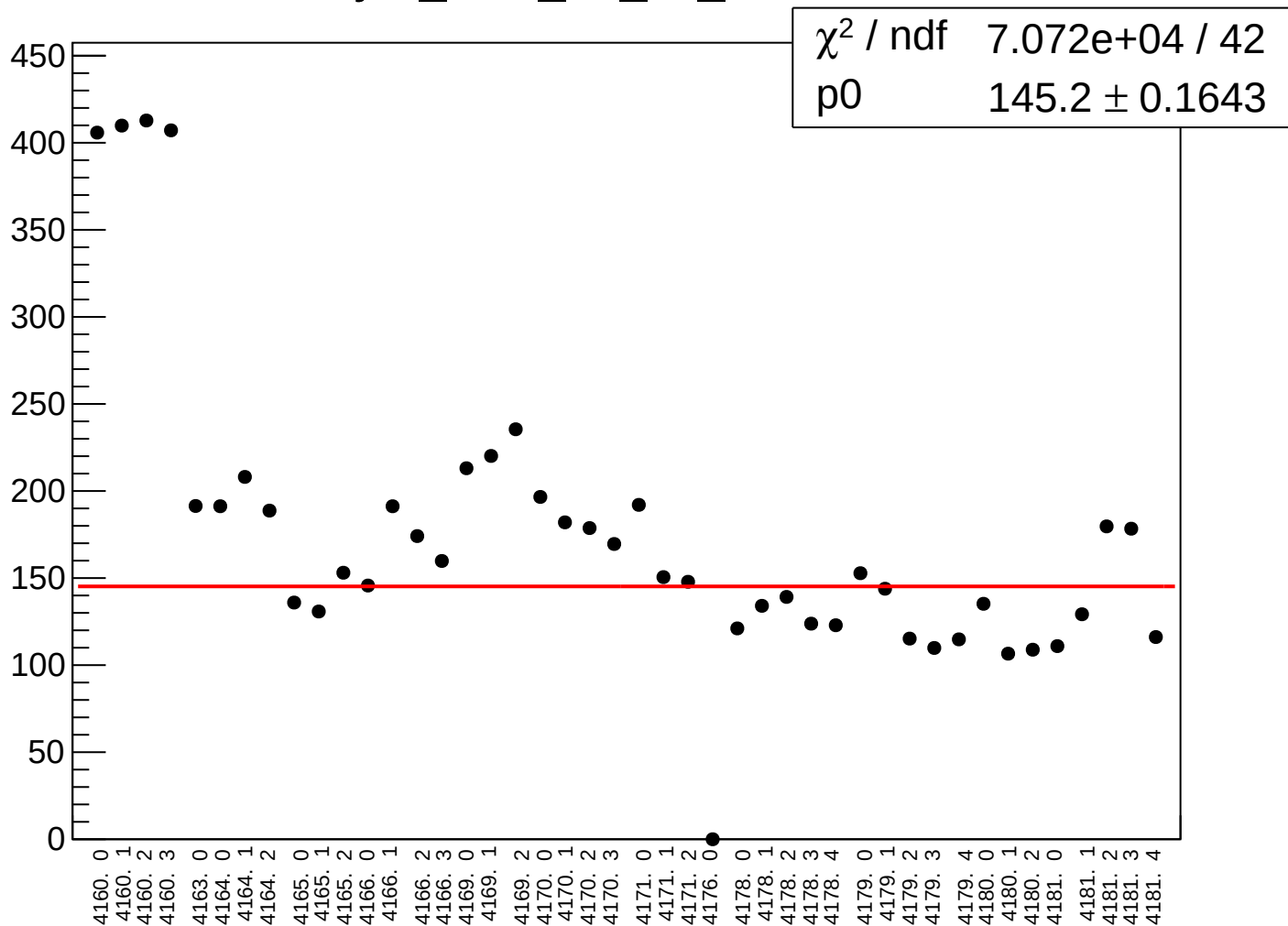




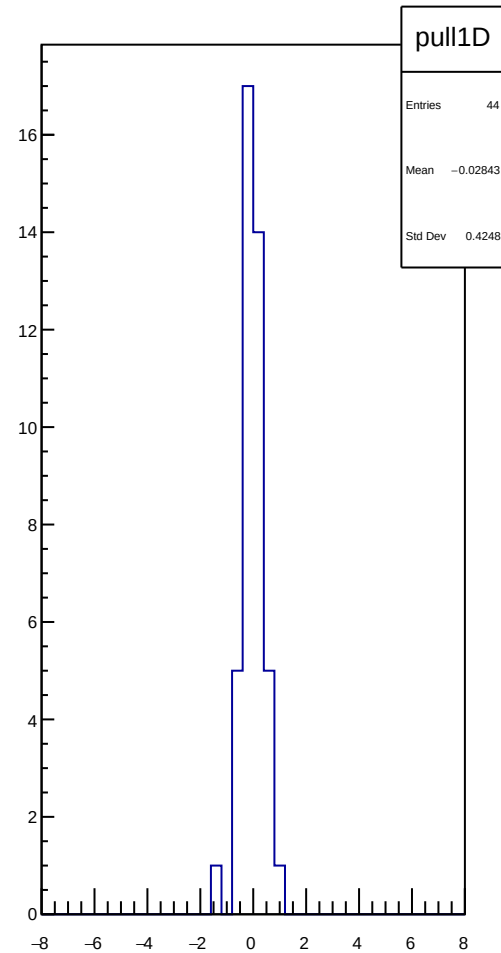
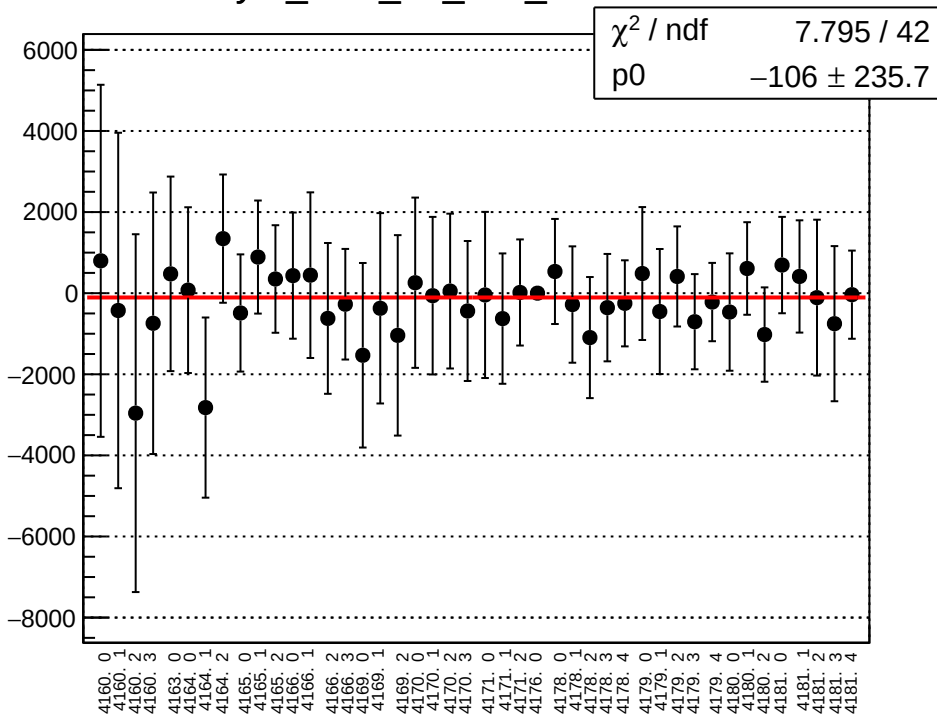
asym\_bcm\_an\_ds\_mean vs run



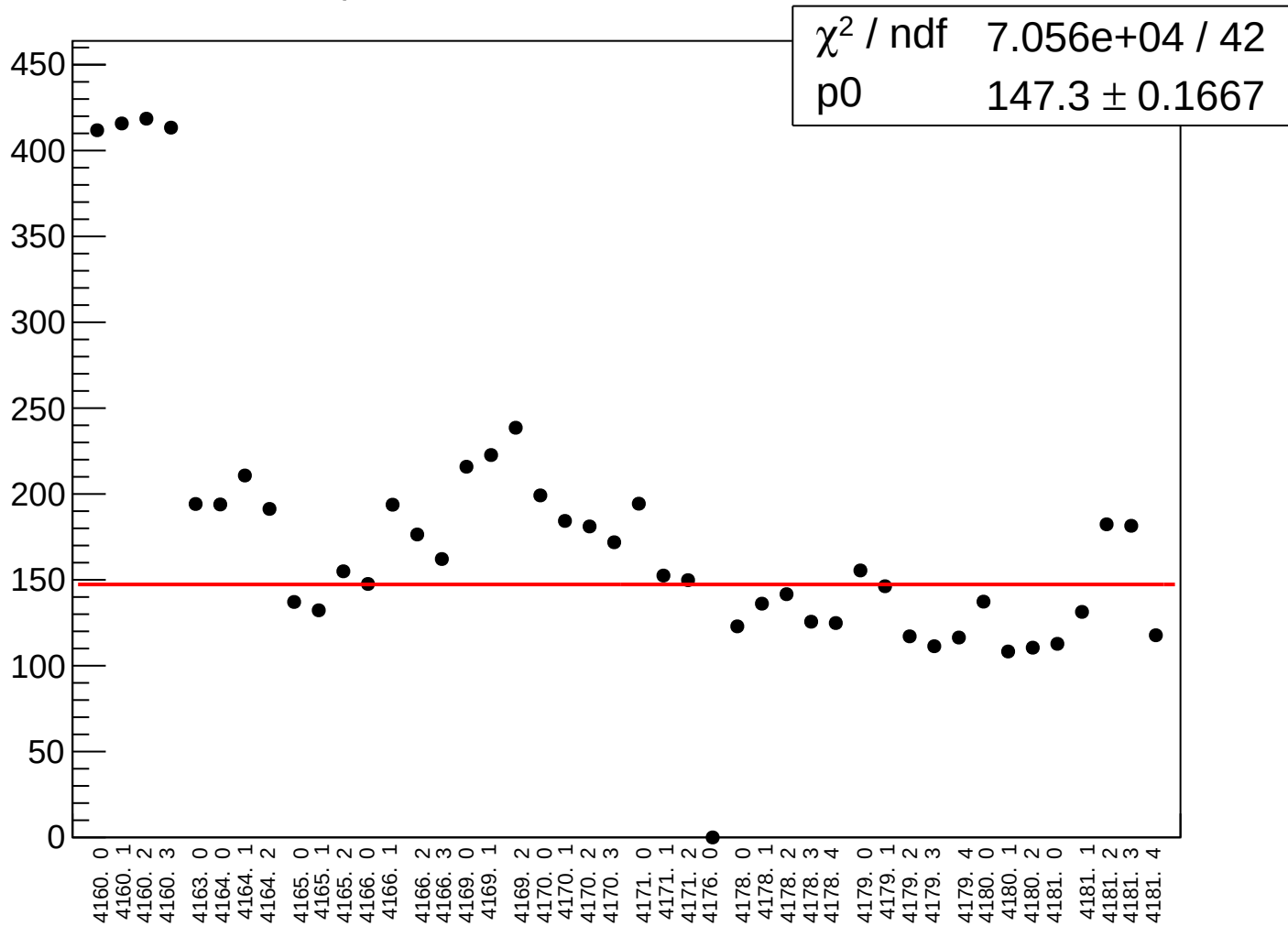
# asym\_bcm\_an\_ds\_rms vs run



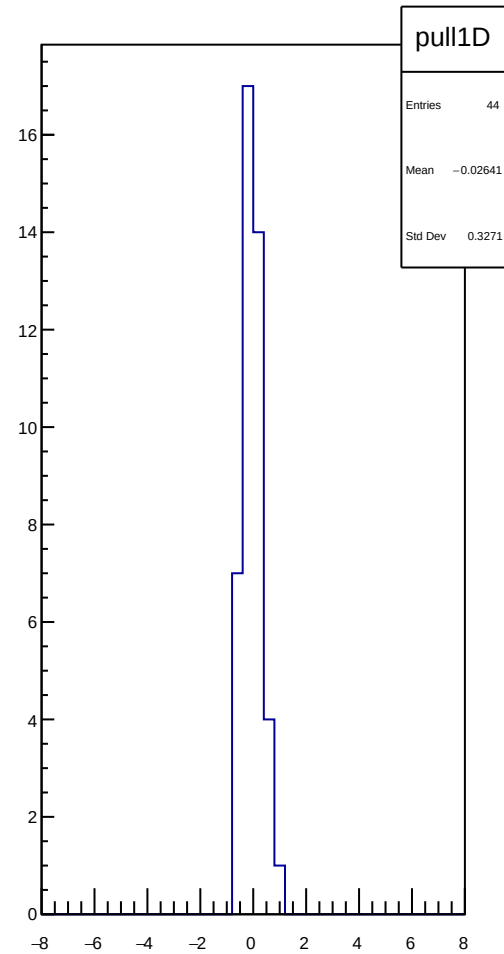
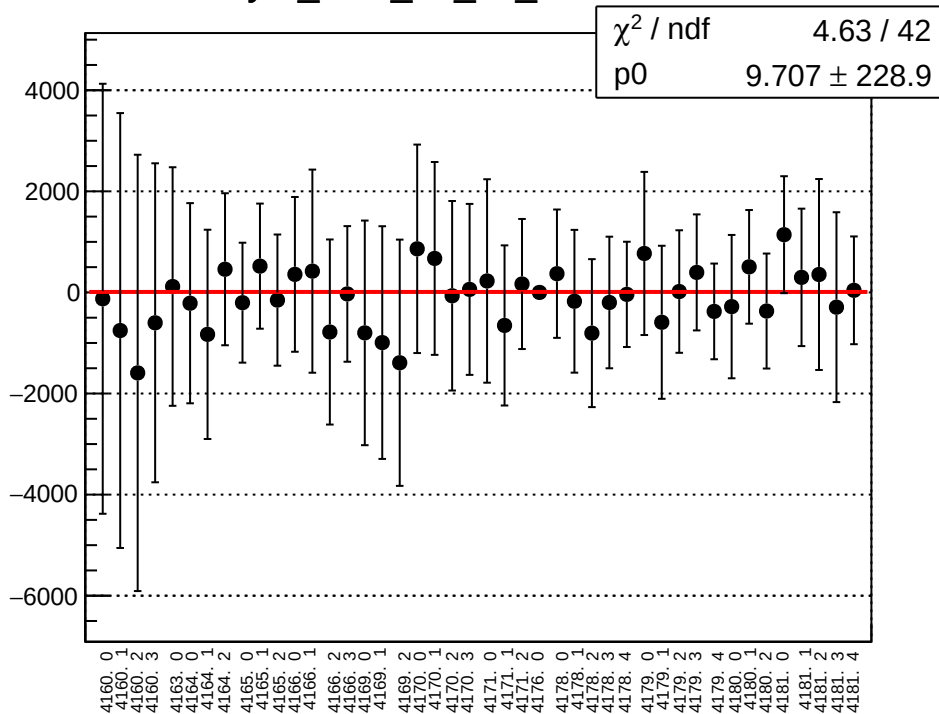
asym\_bcm\_an\_ds3\_mean vs run



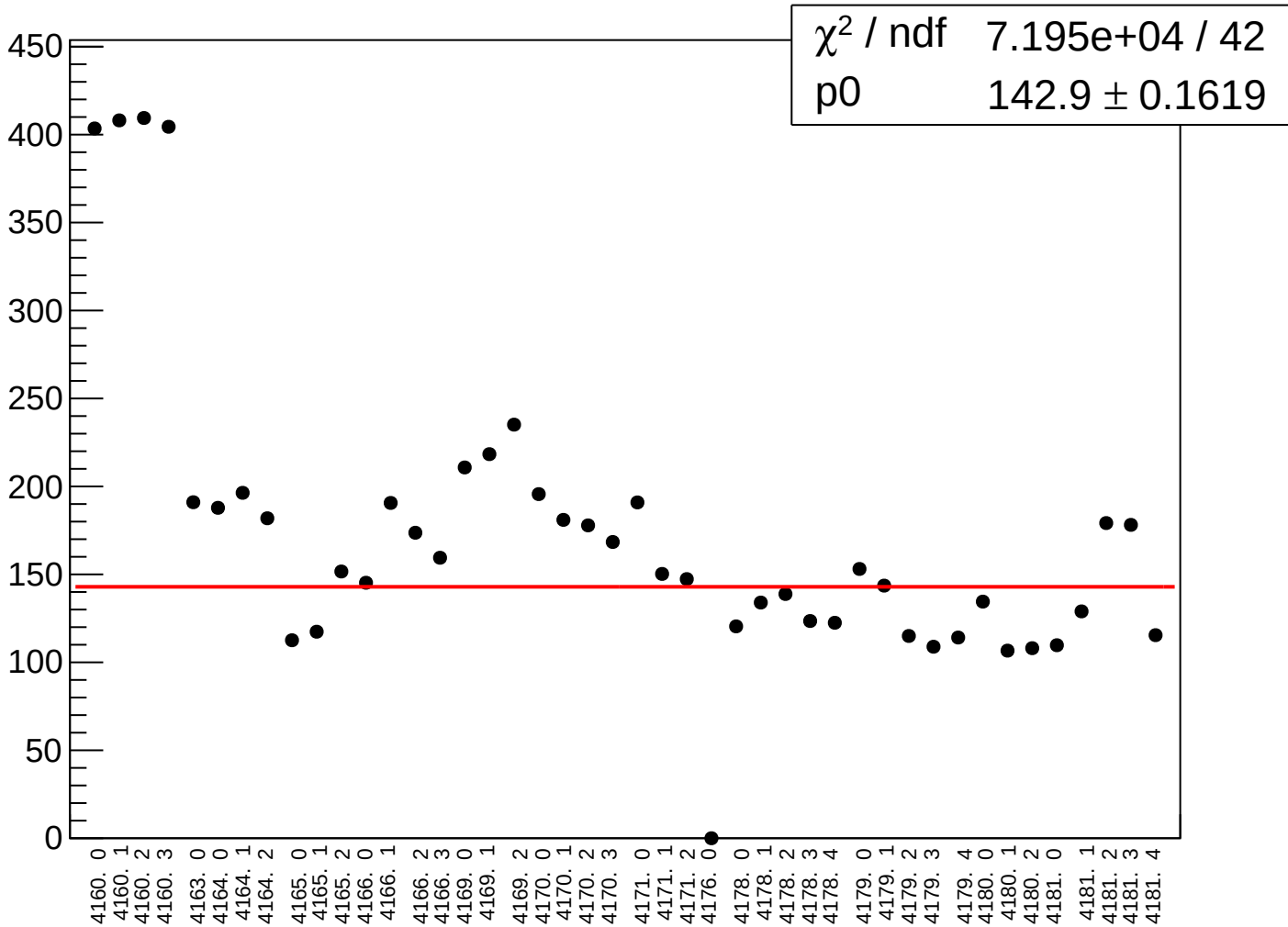
# asym\_bcm\_an\_ds3\_rms vs run



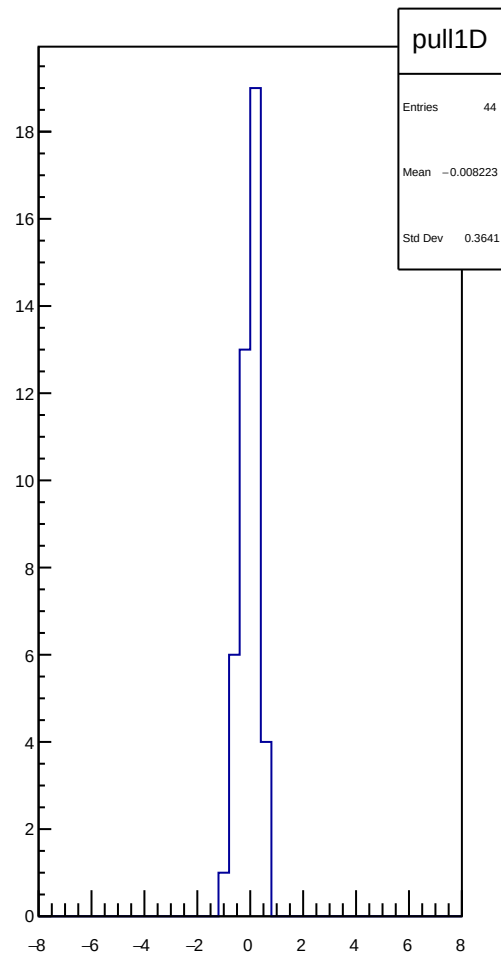
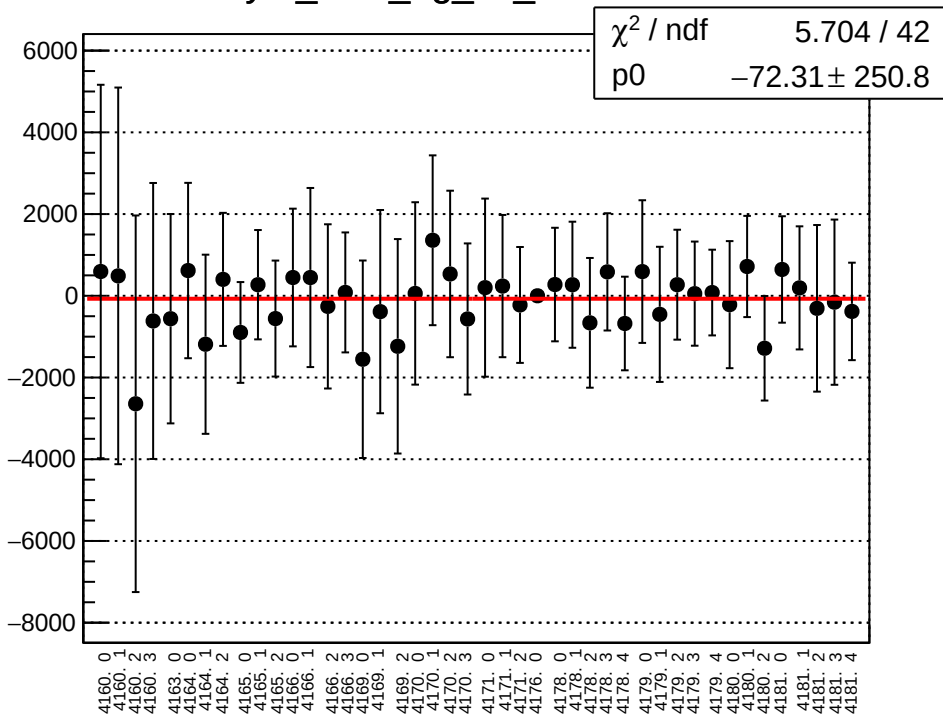
asym\_bcm\_an\_us\_mean vs run



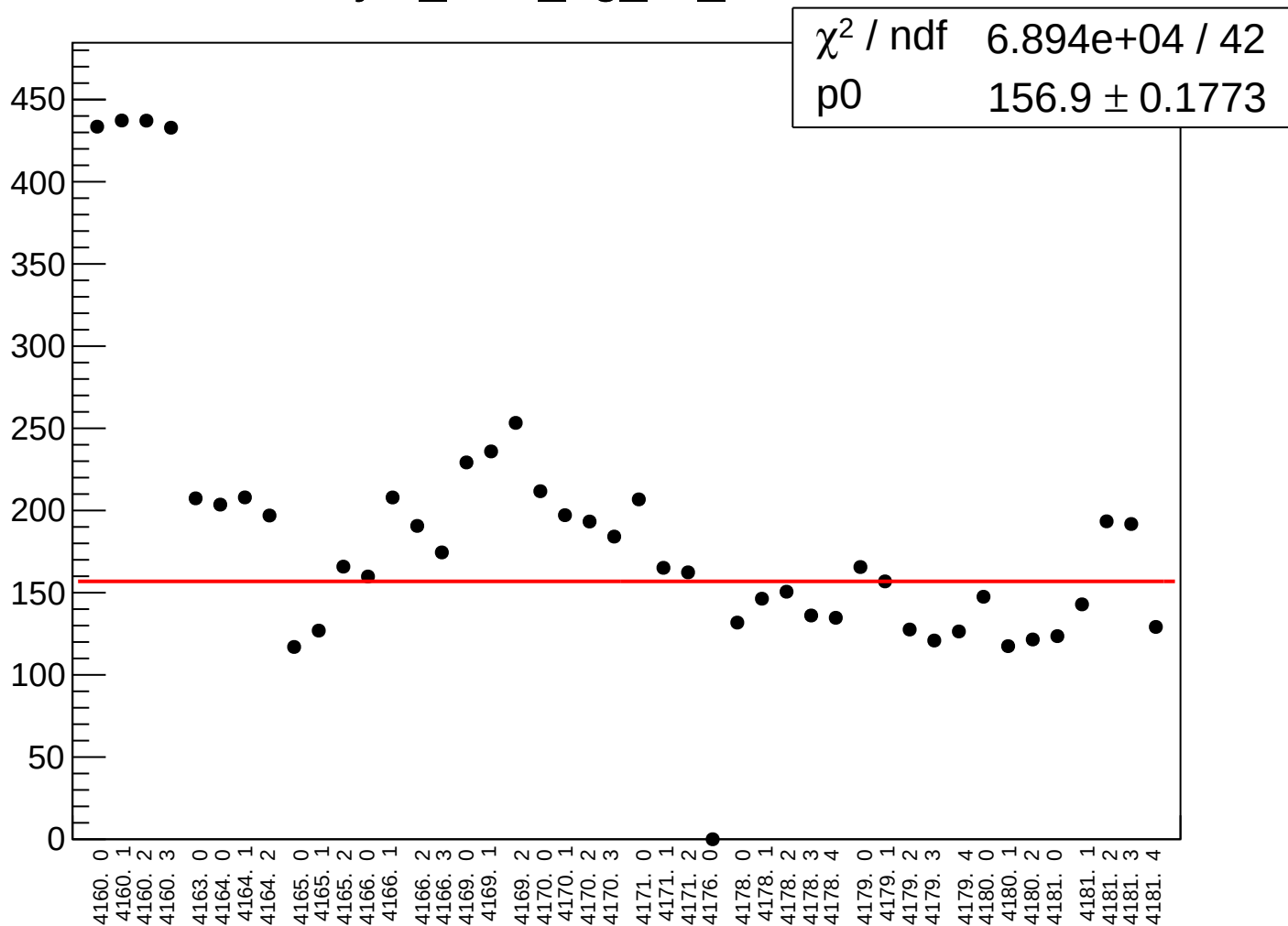
# asym\_bcm\_an\_us\_rms vs run



# asym\_bcm\_dg\_us\_mean vs run

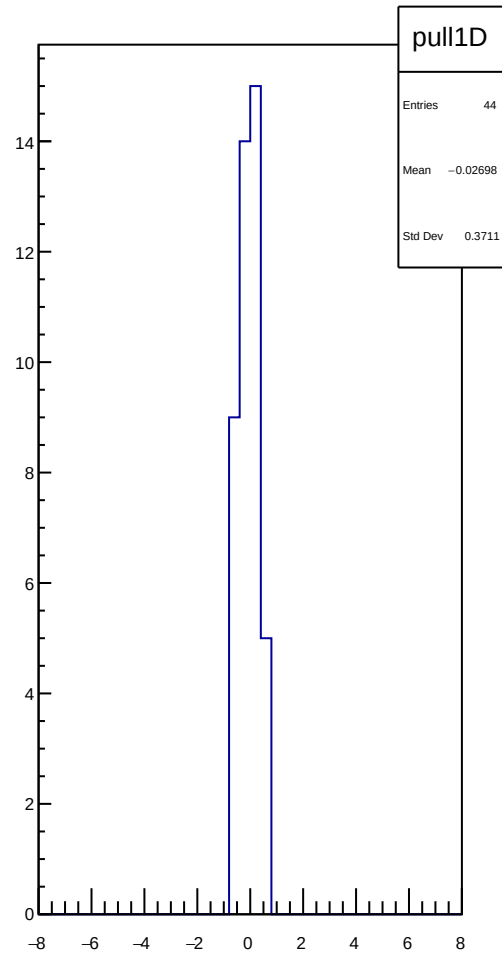
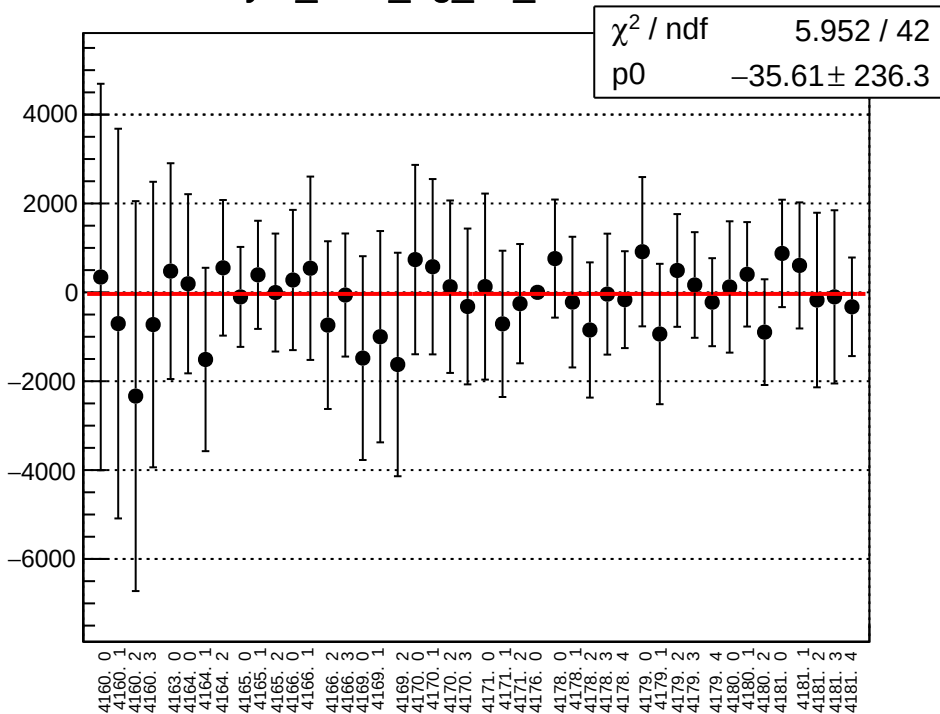


# asym\_bcm\_dg\_us\_rms vs run

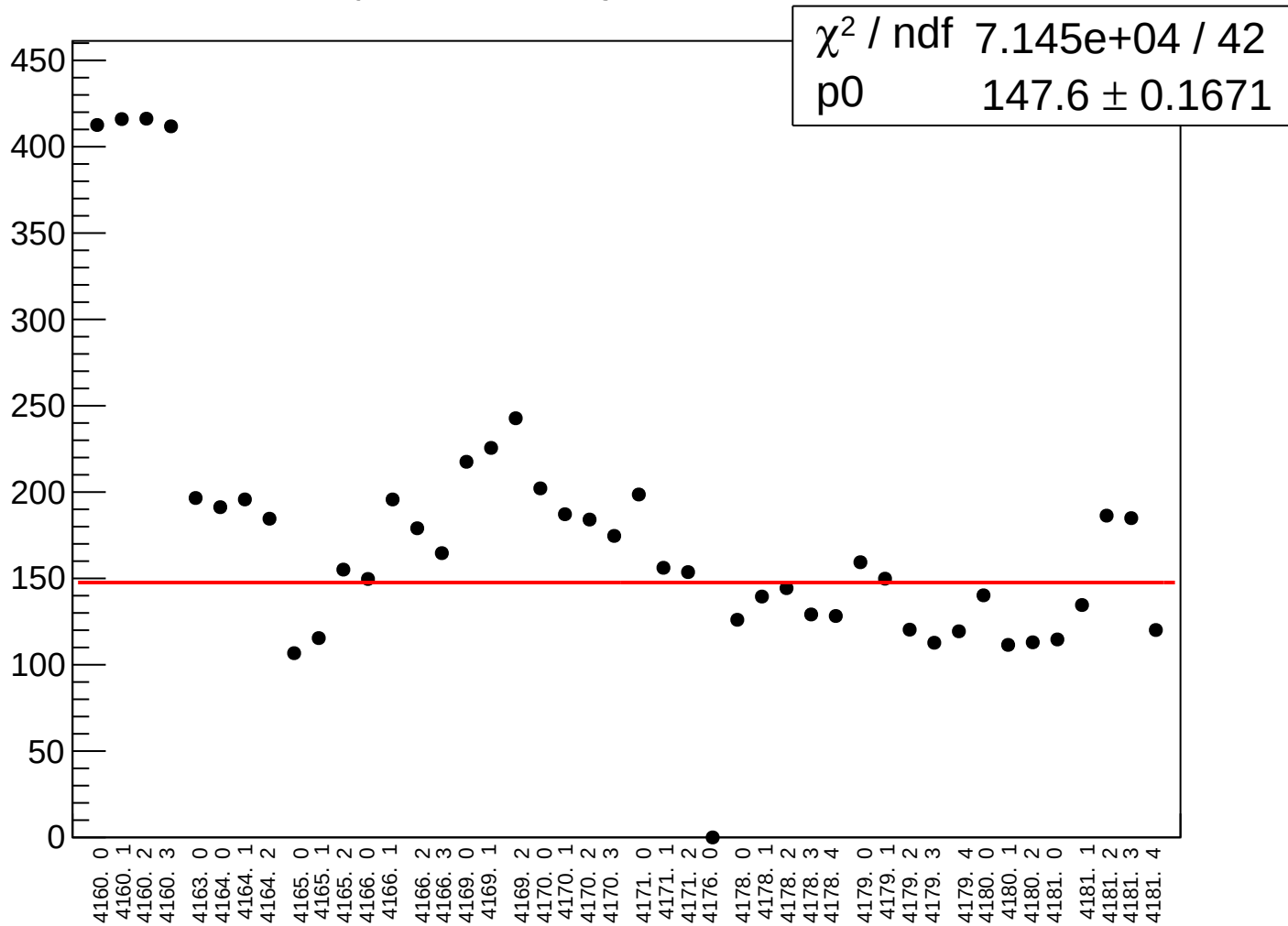




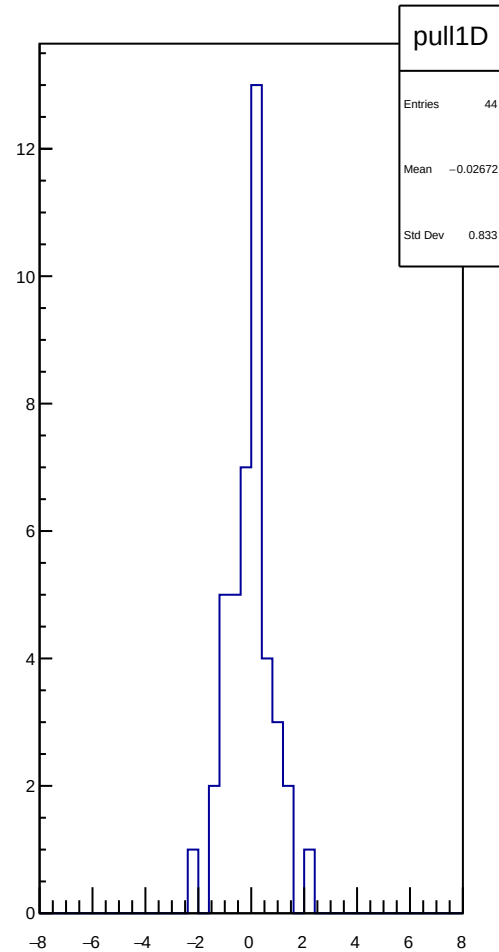
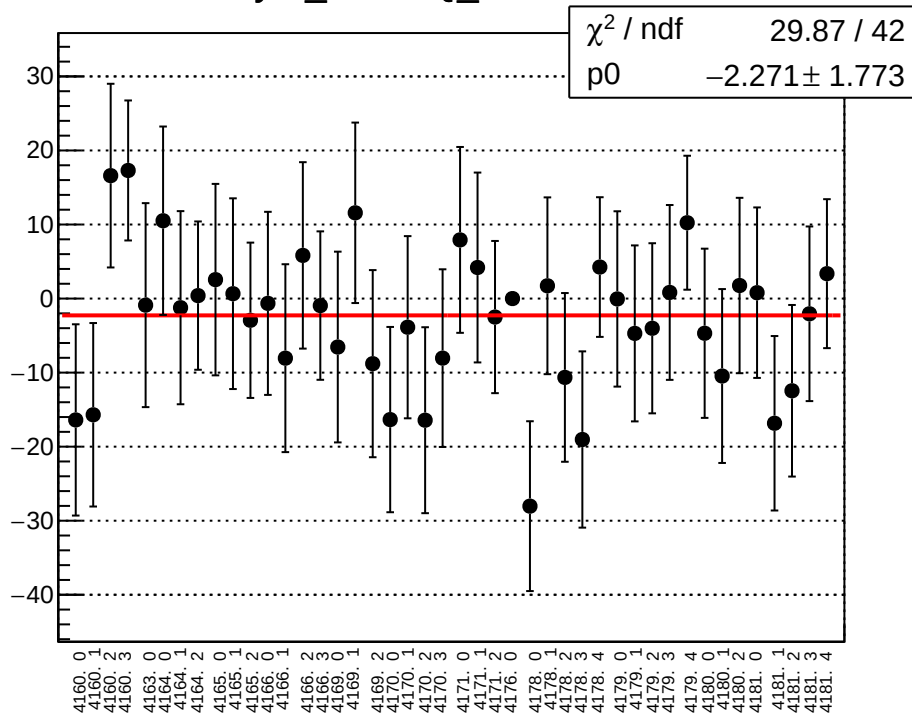
# asym\_bcm\_dg\_ds\_mean vs run



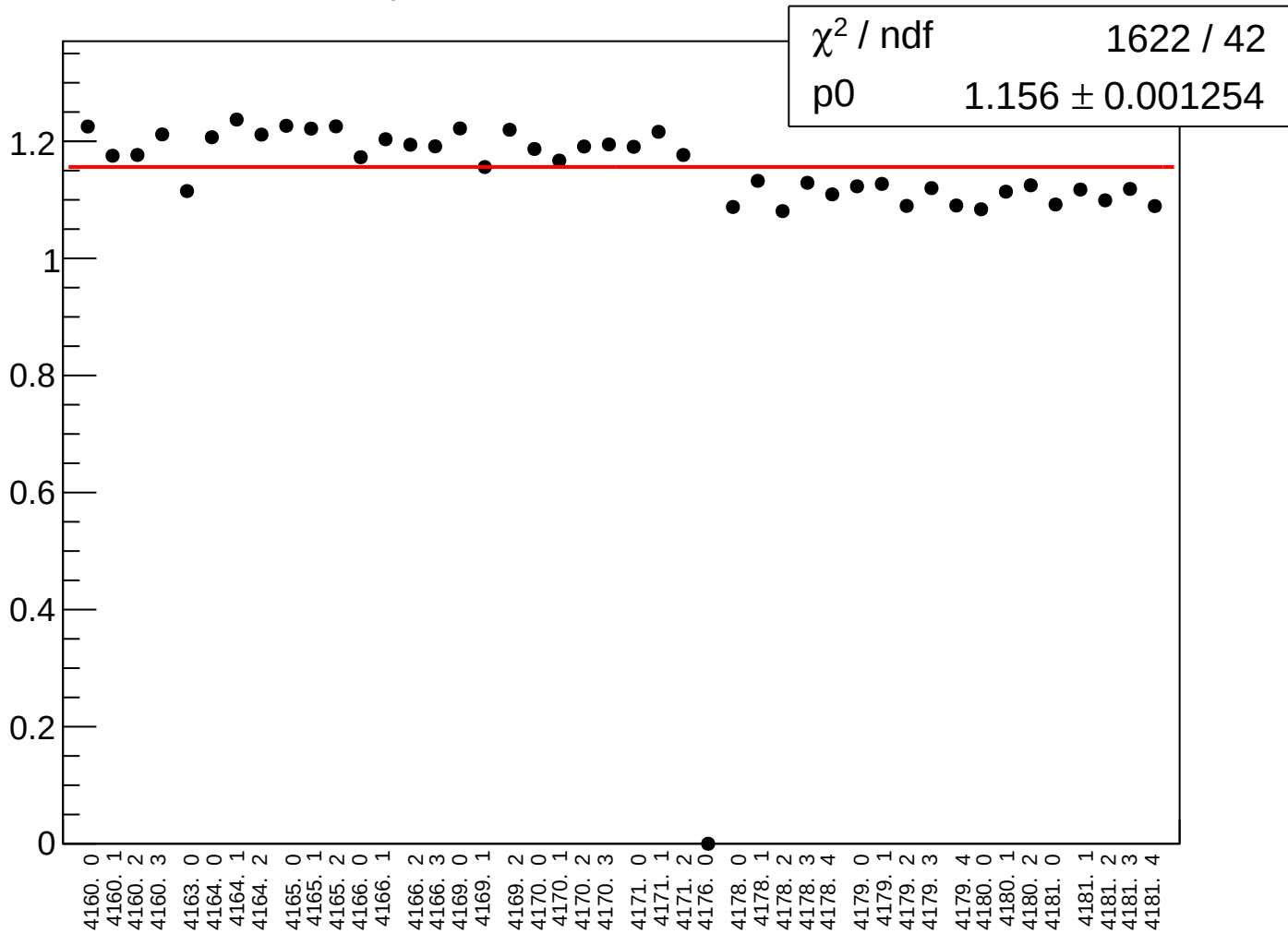
# asym\_bcm\_dg\_ds\_rms vs run



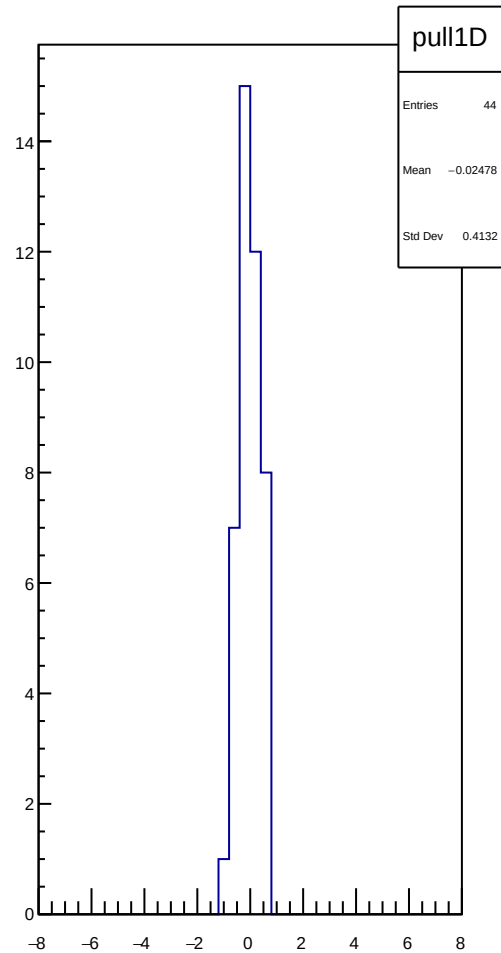
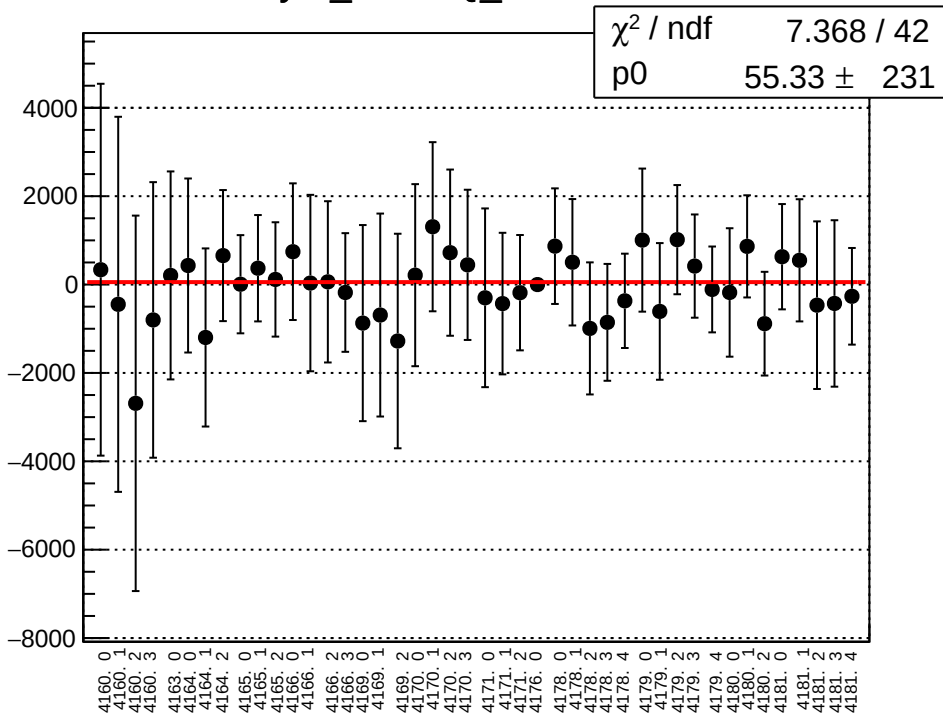
asym\_cav4bQ\_mean vs run



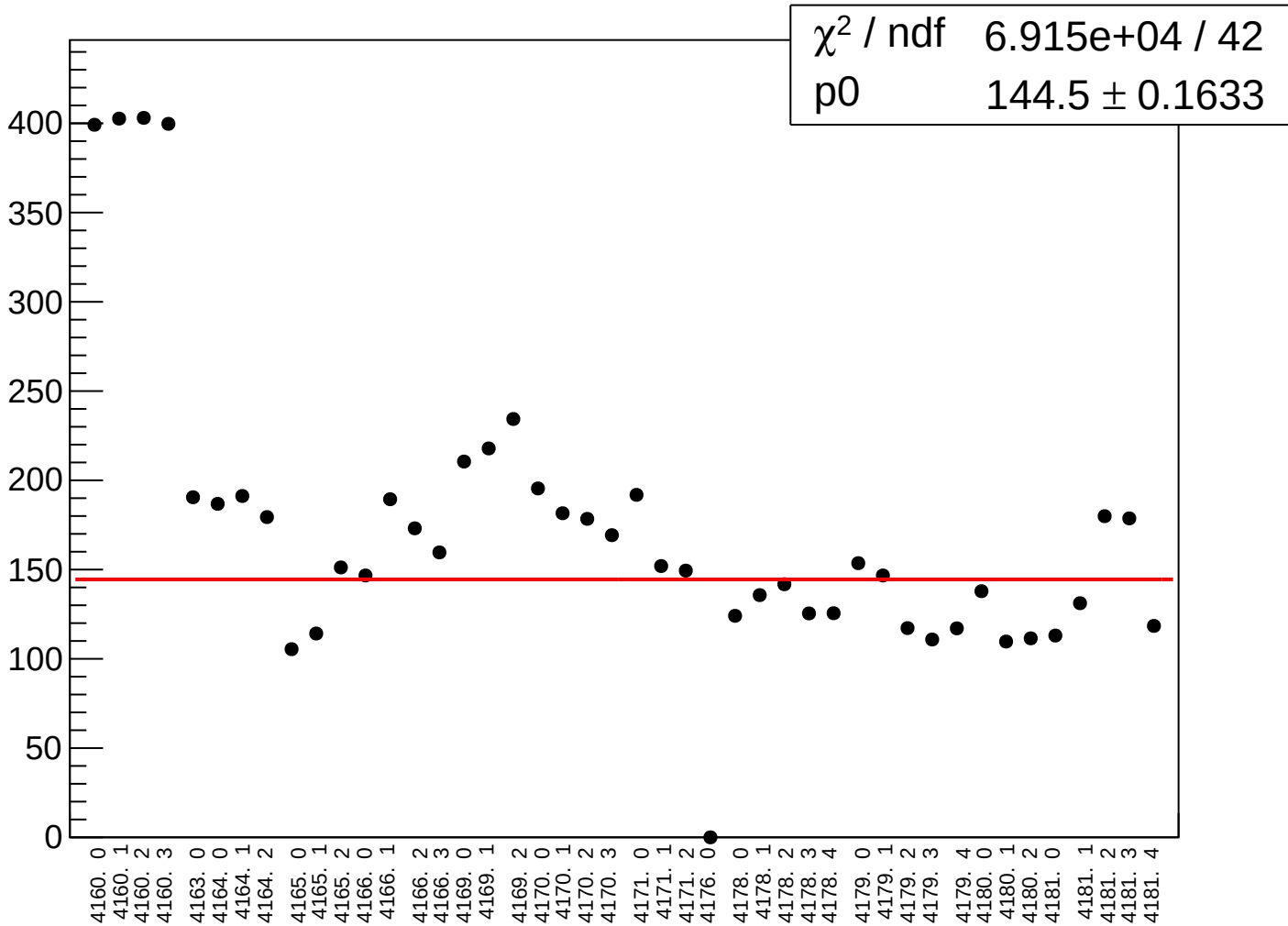
# asym\_cav4bQ\_rms vs run



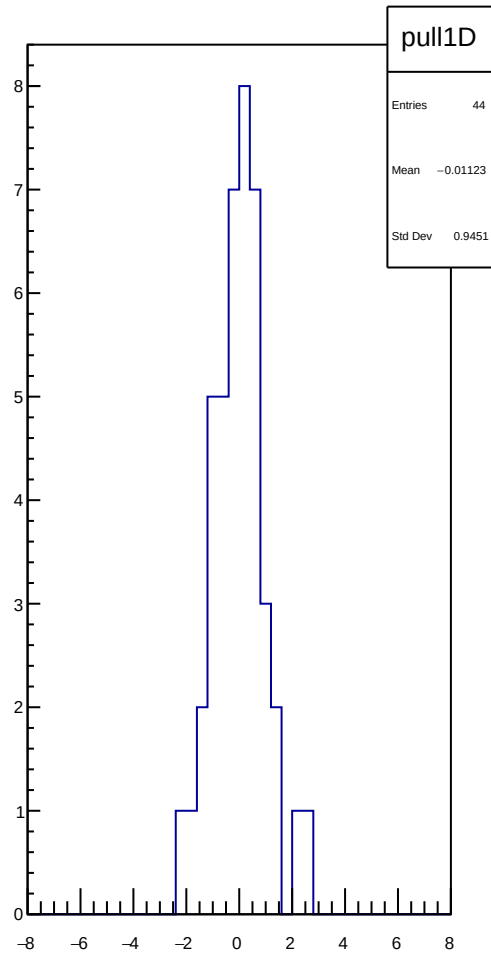
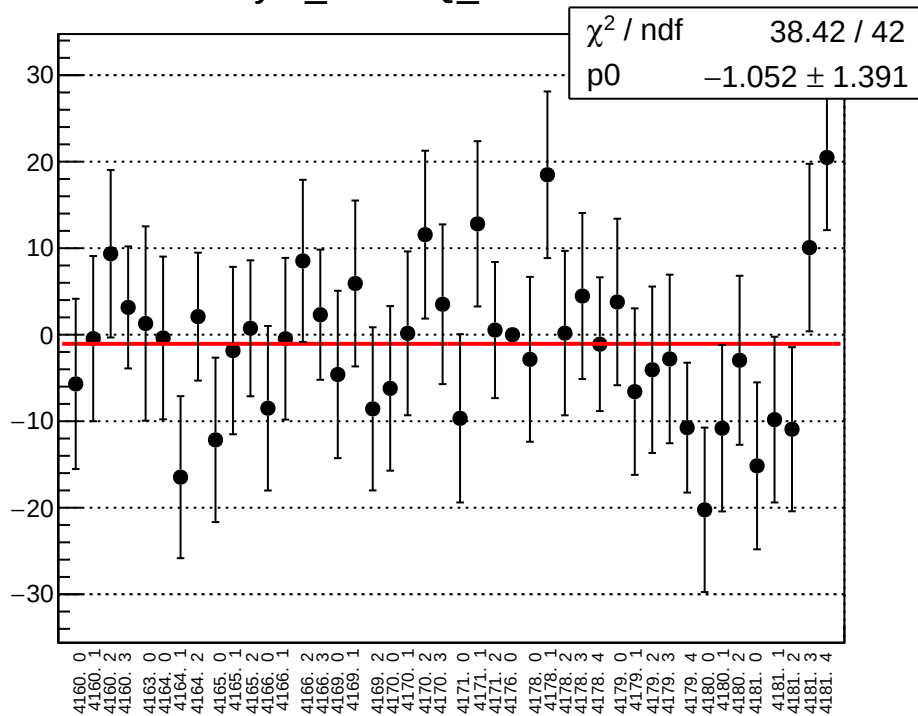
asym\_cav4cQ\_mean vs run



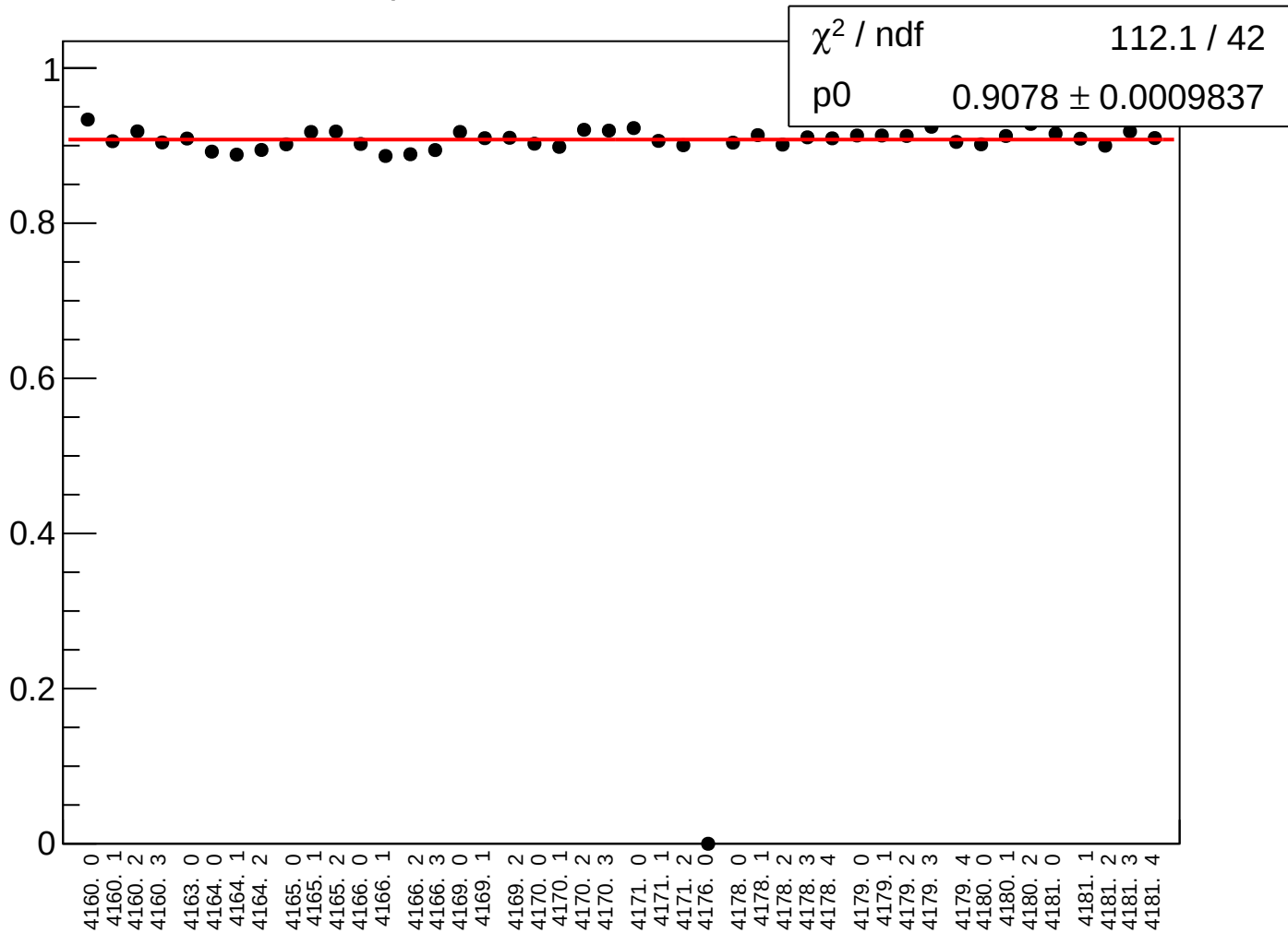
# asym\_cav4cQ\_rms vs run



asym\_cav4dQ\_mean vs run

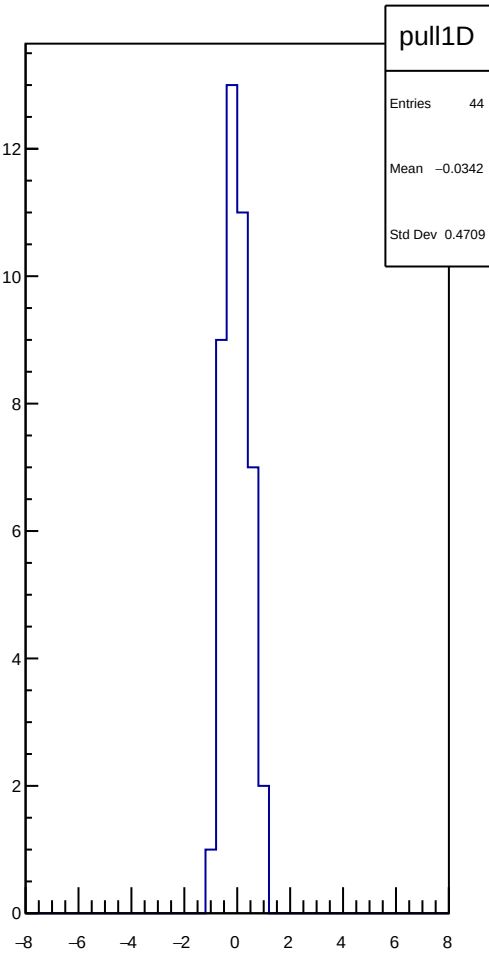
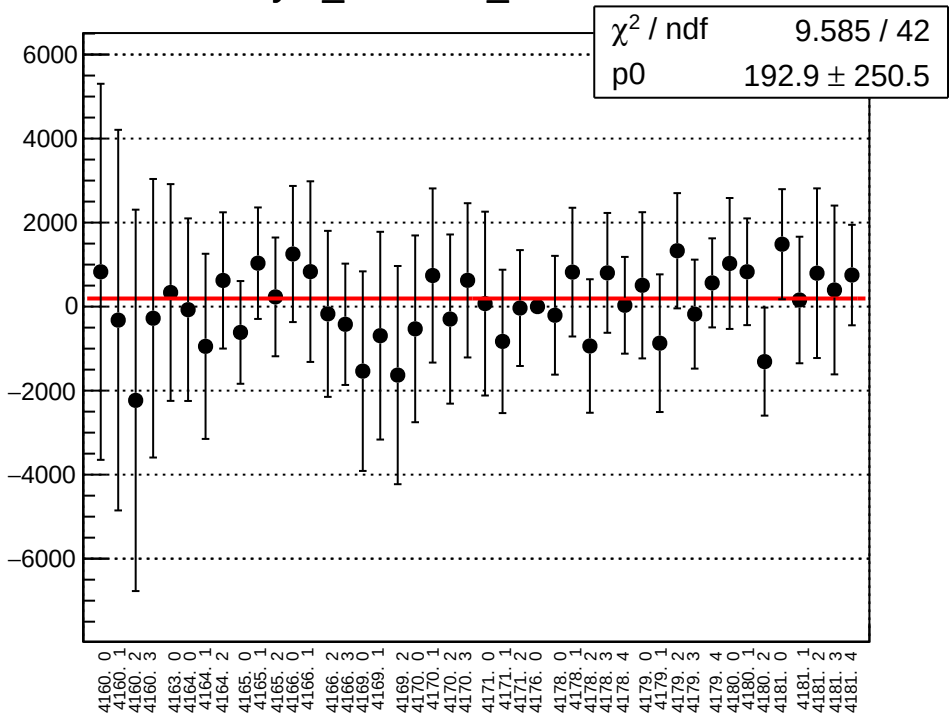


# asym\_cav4dQ\_rms vs run

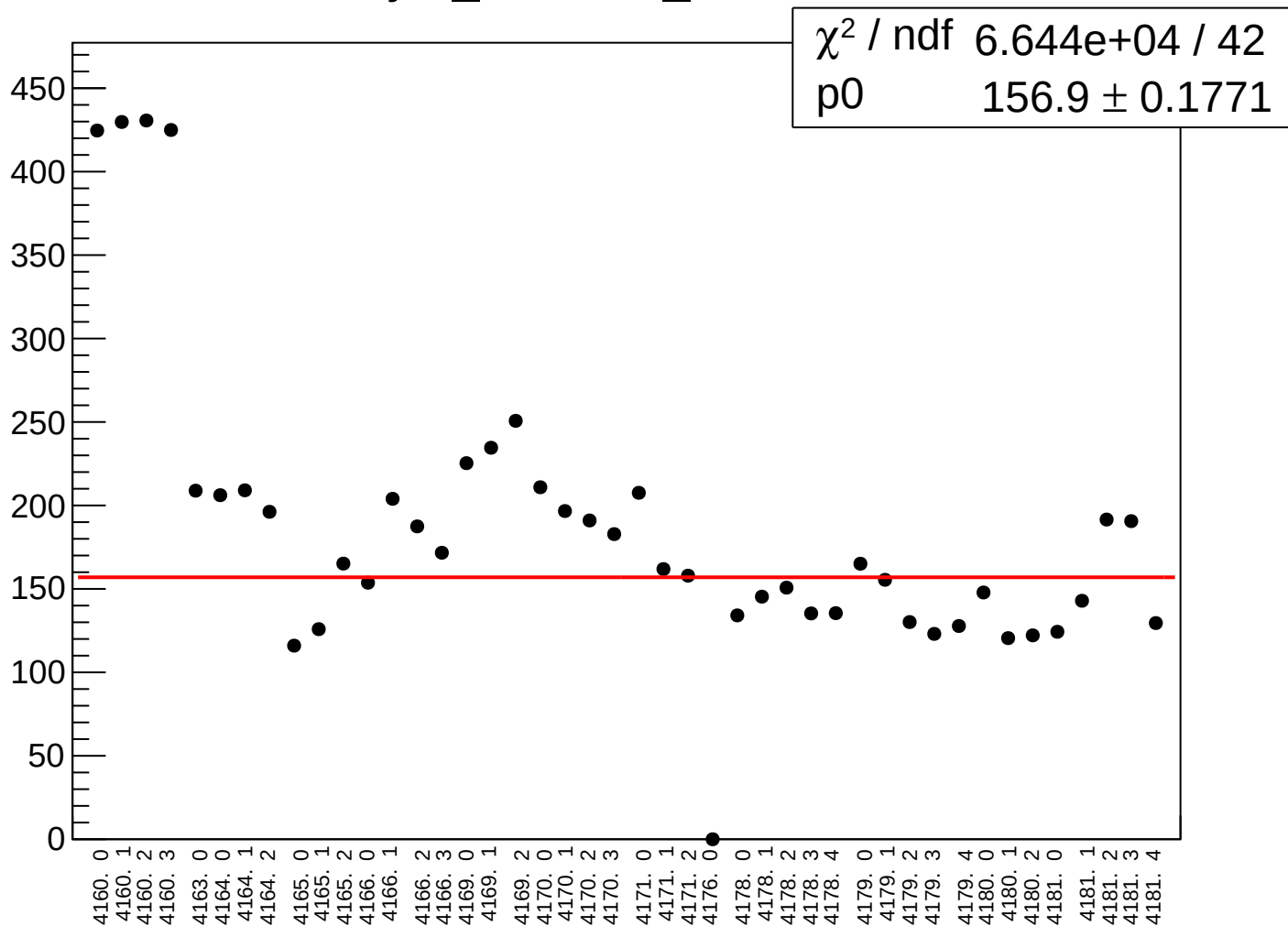




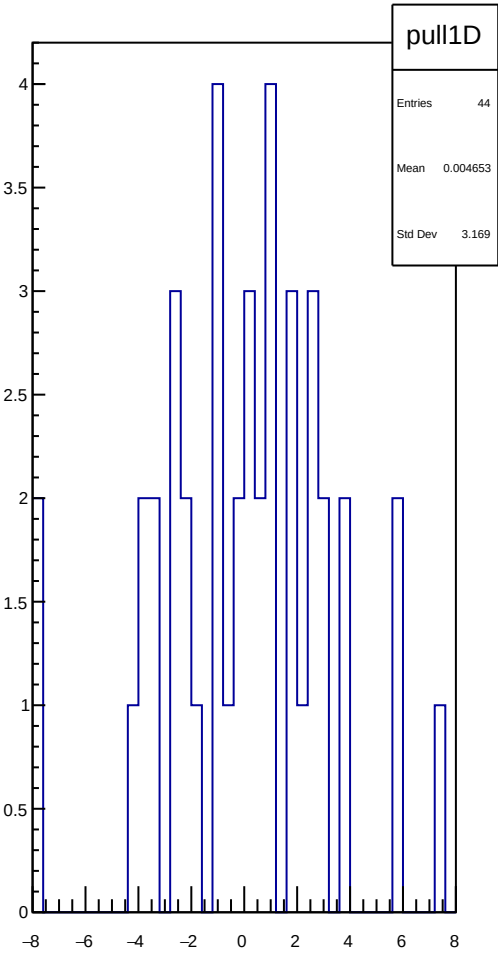
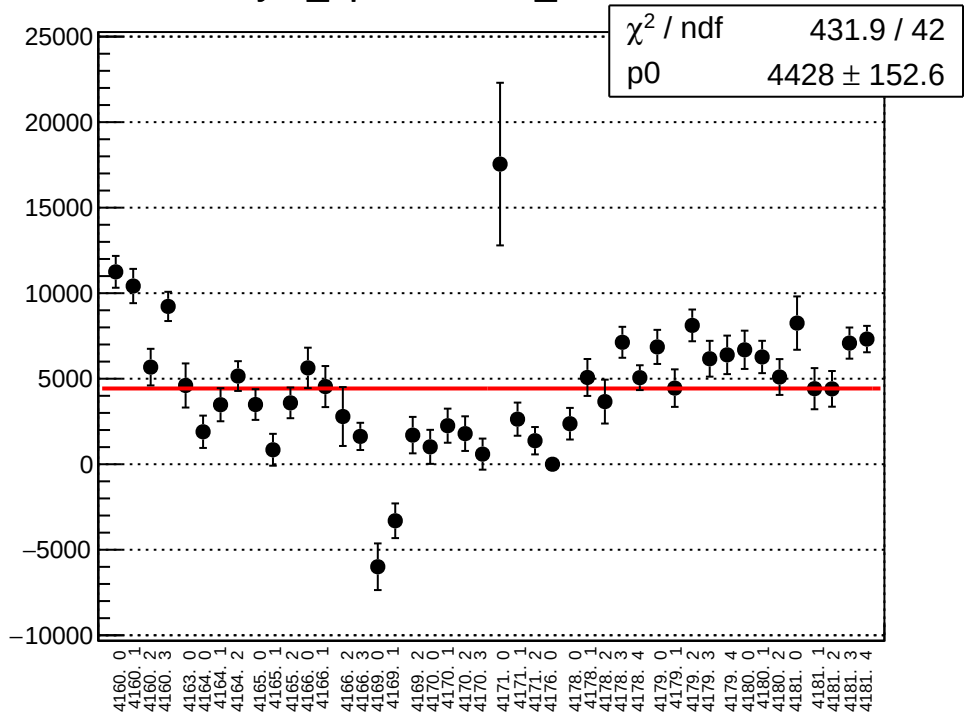
asym\_bcm0l02\_mean vs run



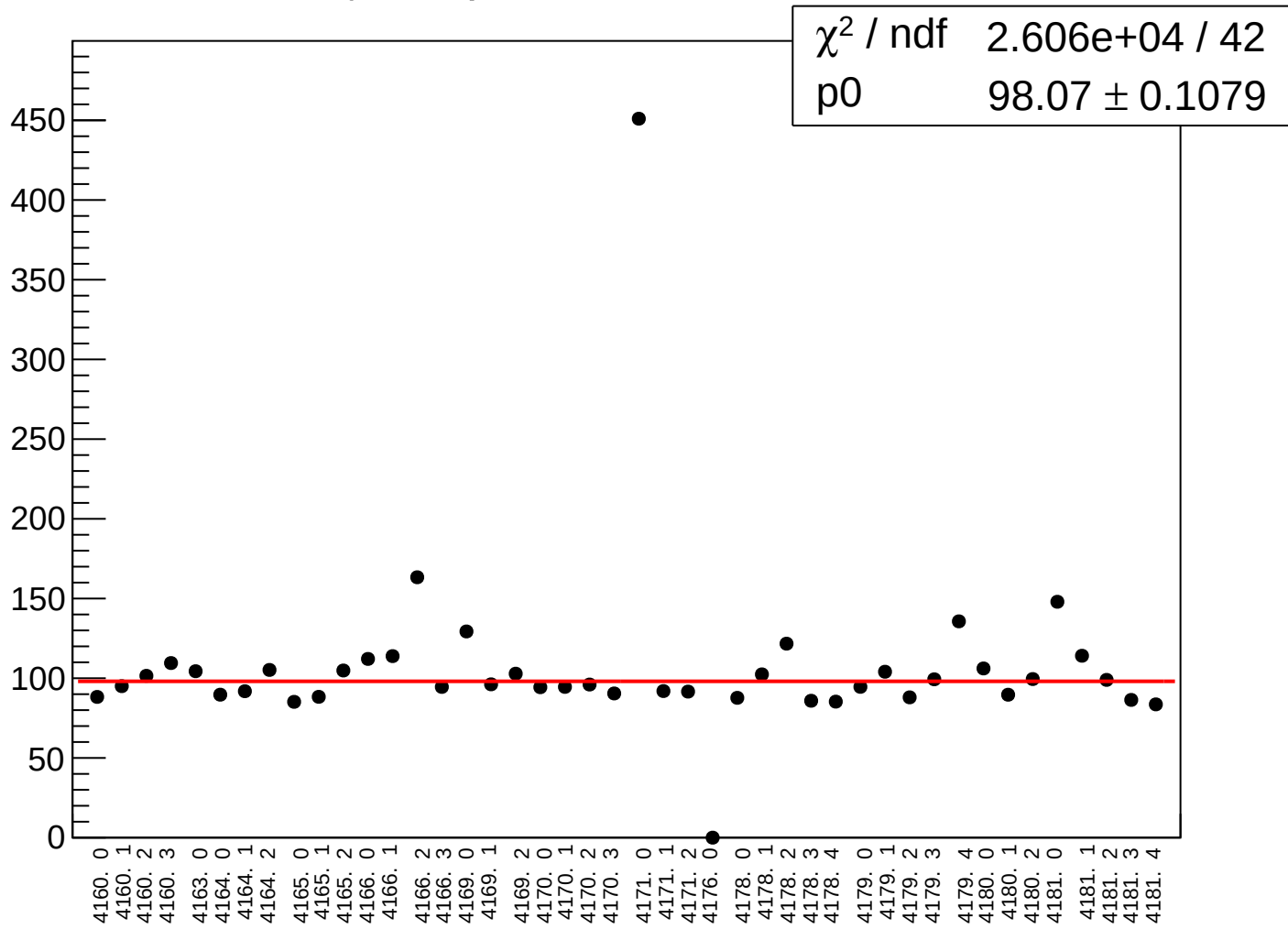
# asym\_bcm0l02\_rms vs run



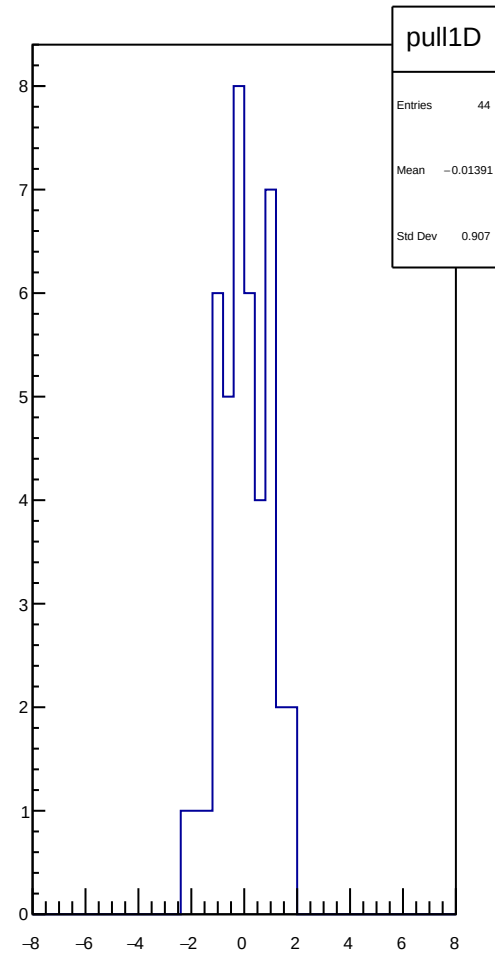
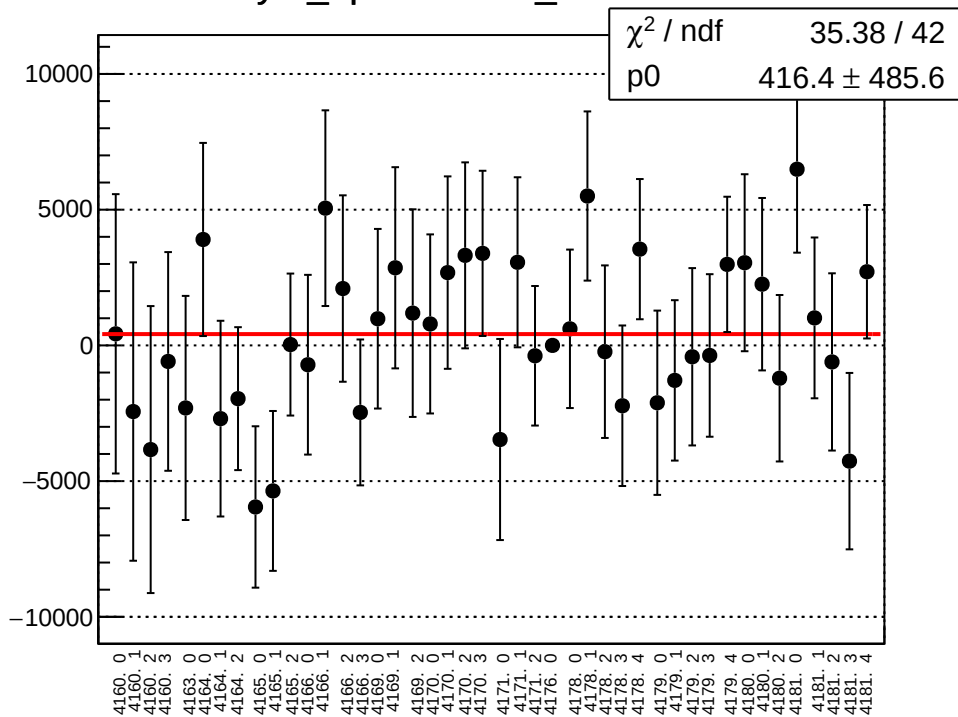
asym\_bpm2i01WS\_mean vs run



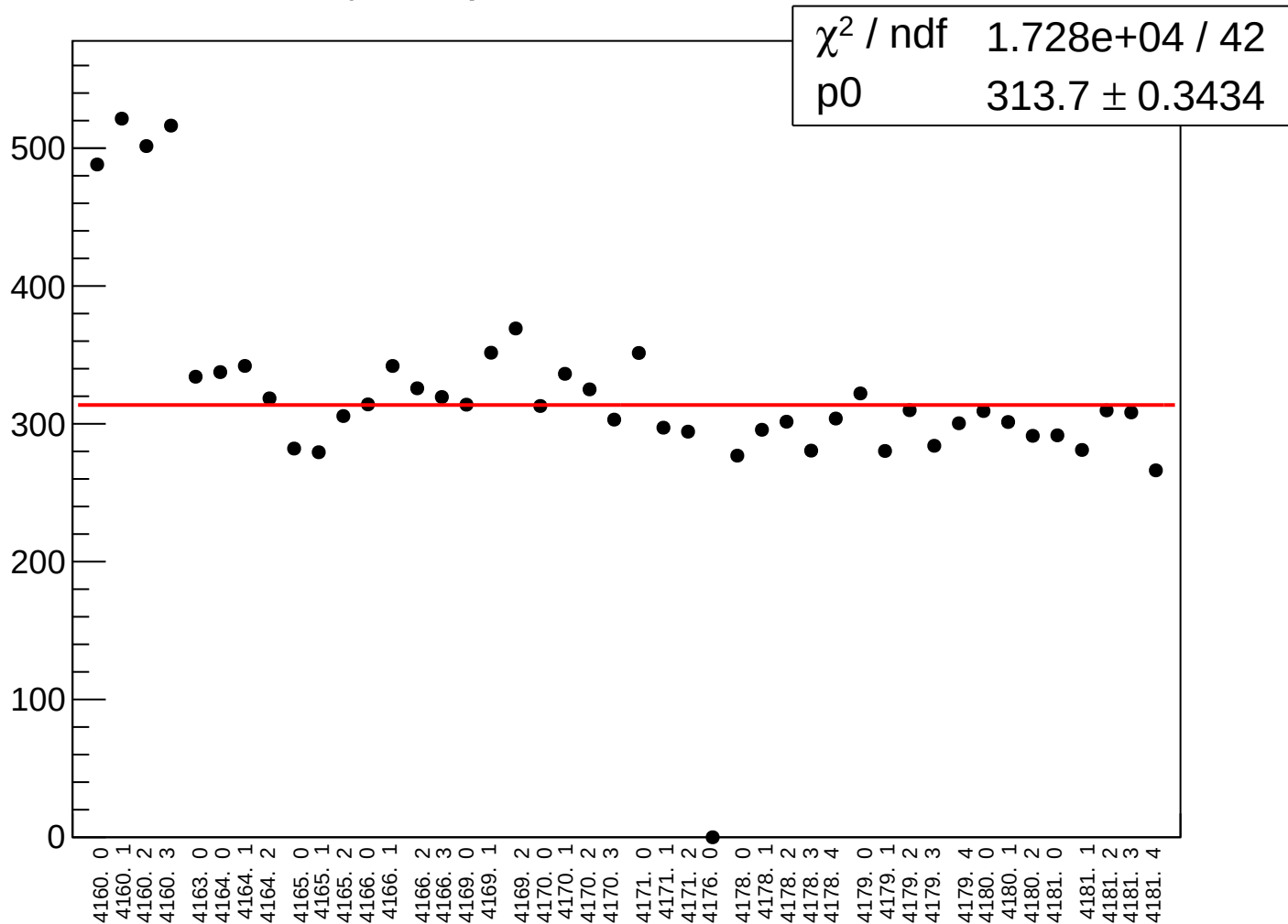
# asym\_bpm2i01WS\_rms vs run



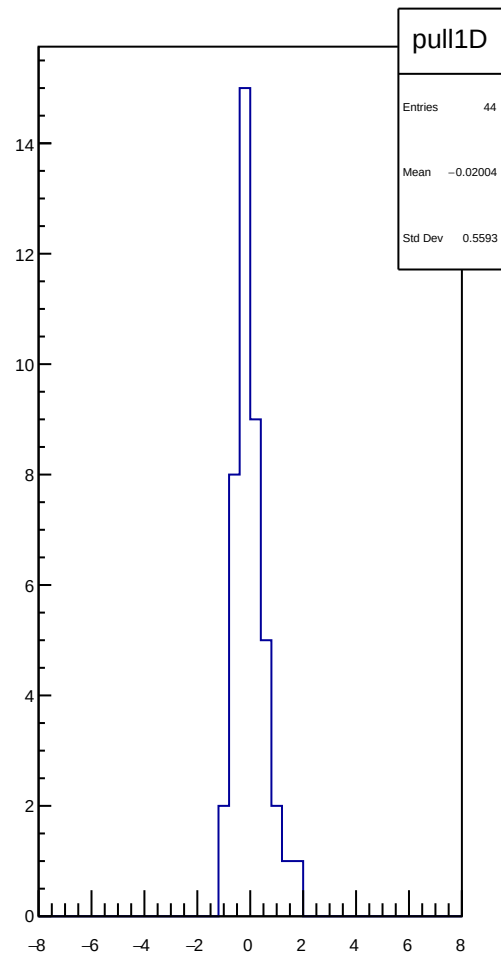
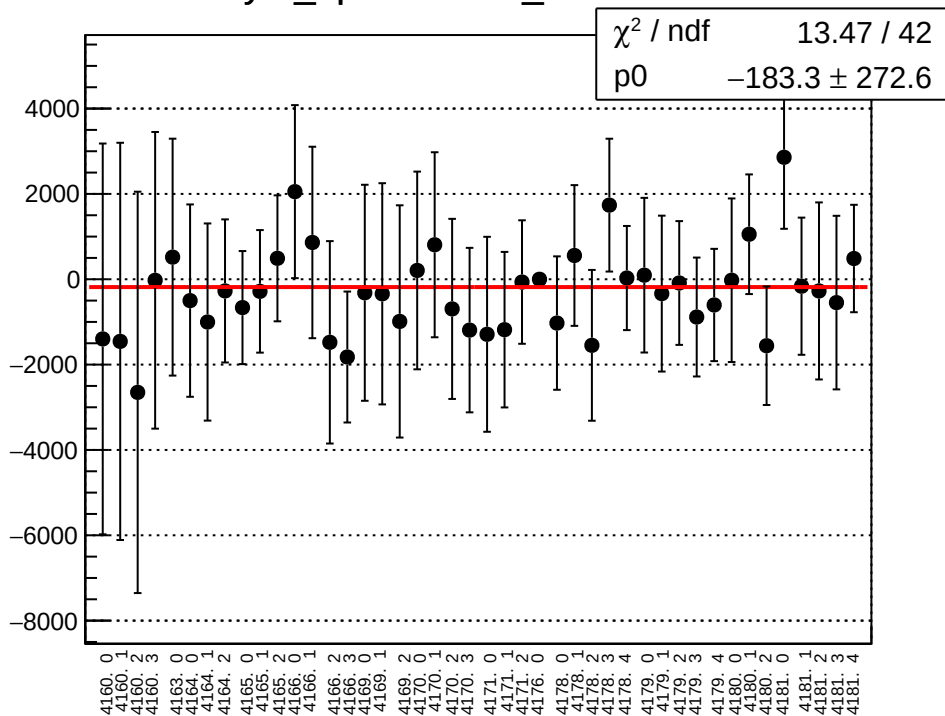
asym\_bpm0i07WS\_mean vs run



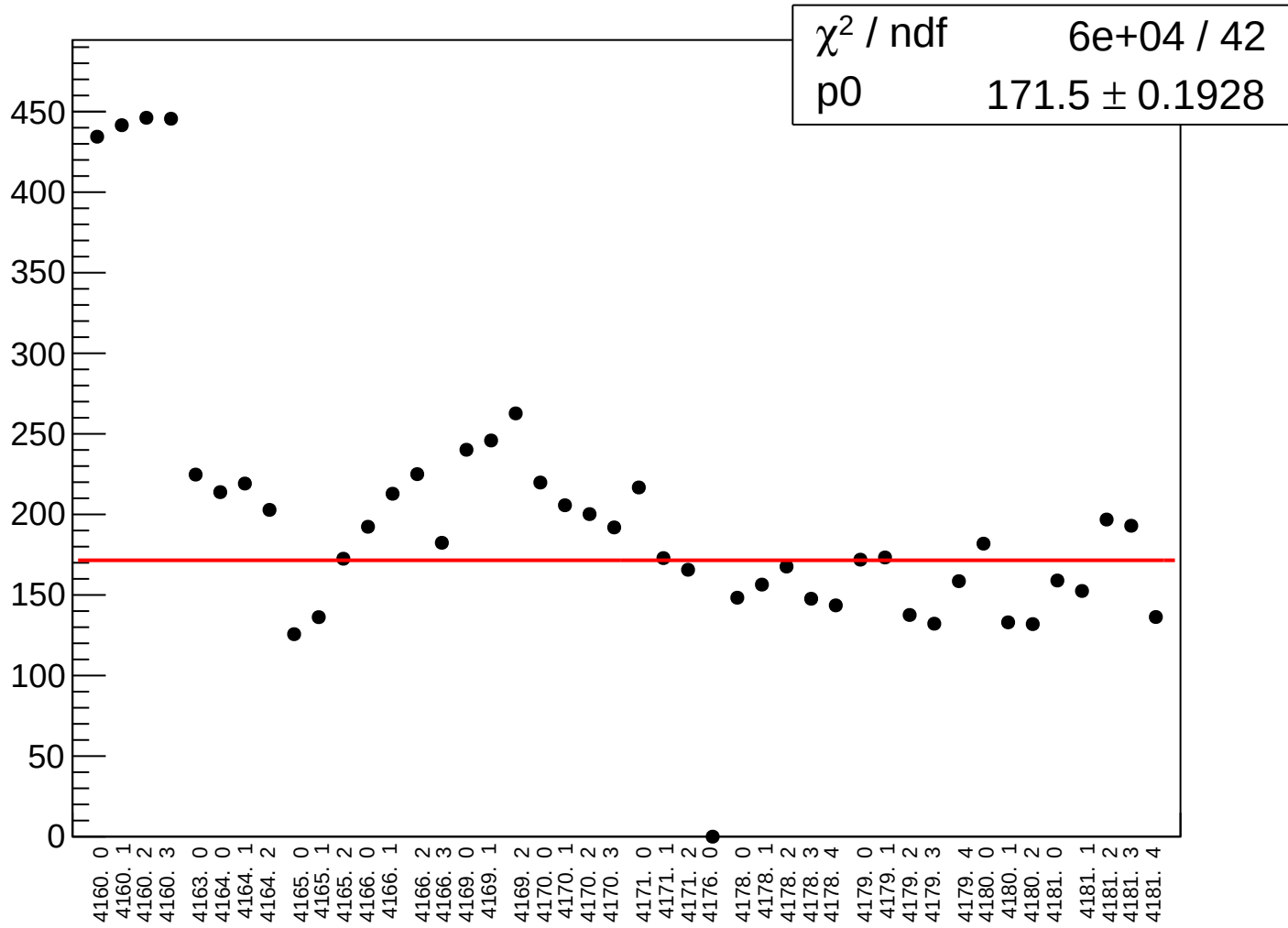
# asym\_bpm0i07WS\_rms vs run



asym\_bpm0l01WS\_mean vs run

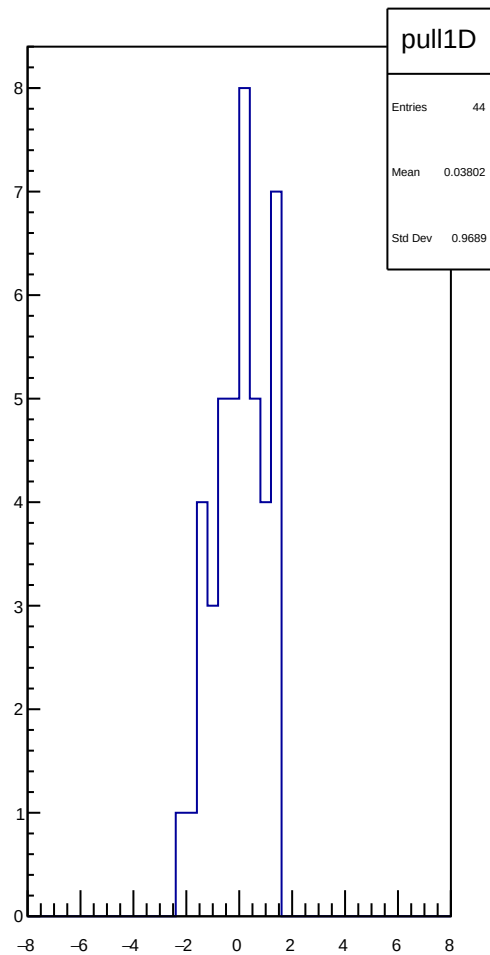
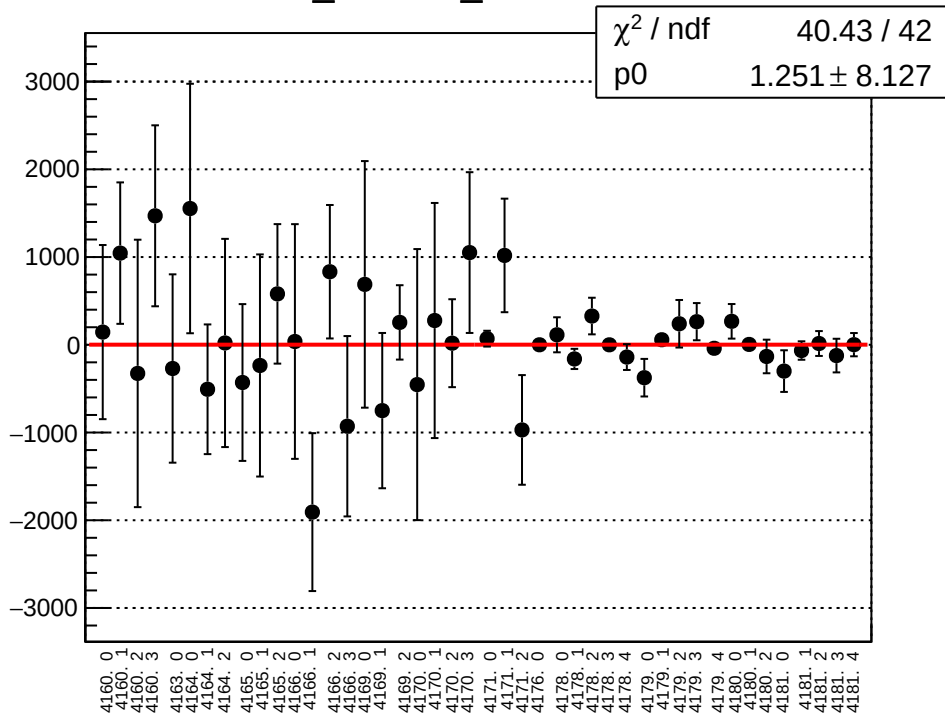


# asym\_bpm0l01WS\_rms vs run

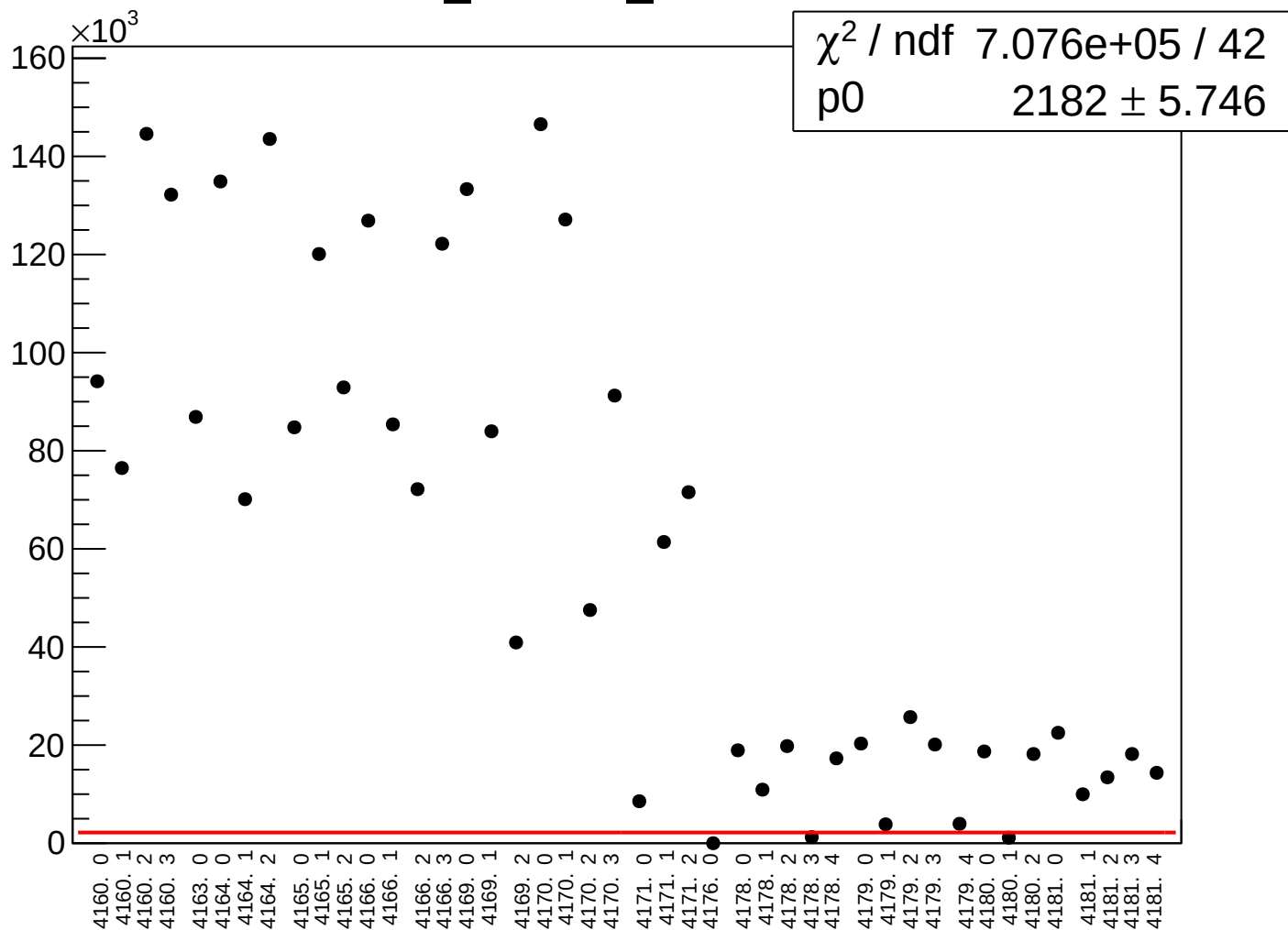




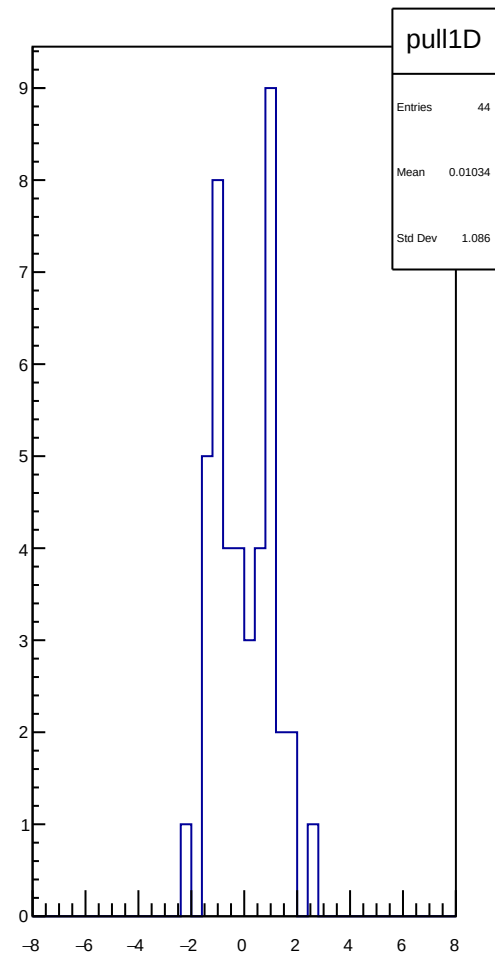
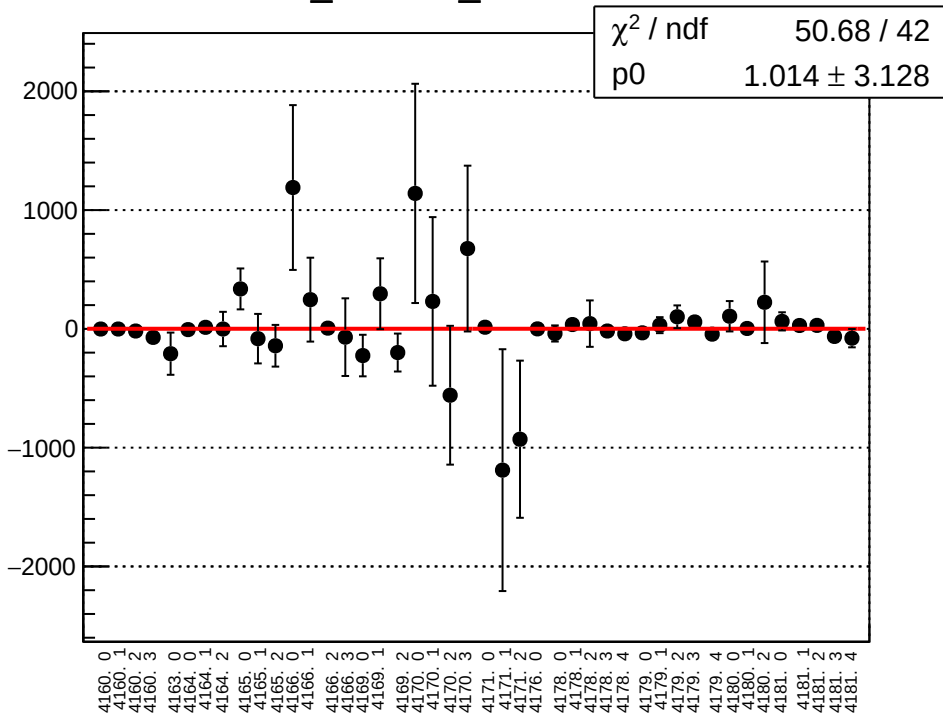
diff\_cav4bX\_mean vs run



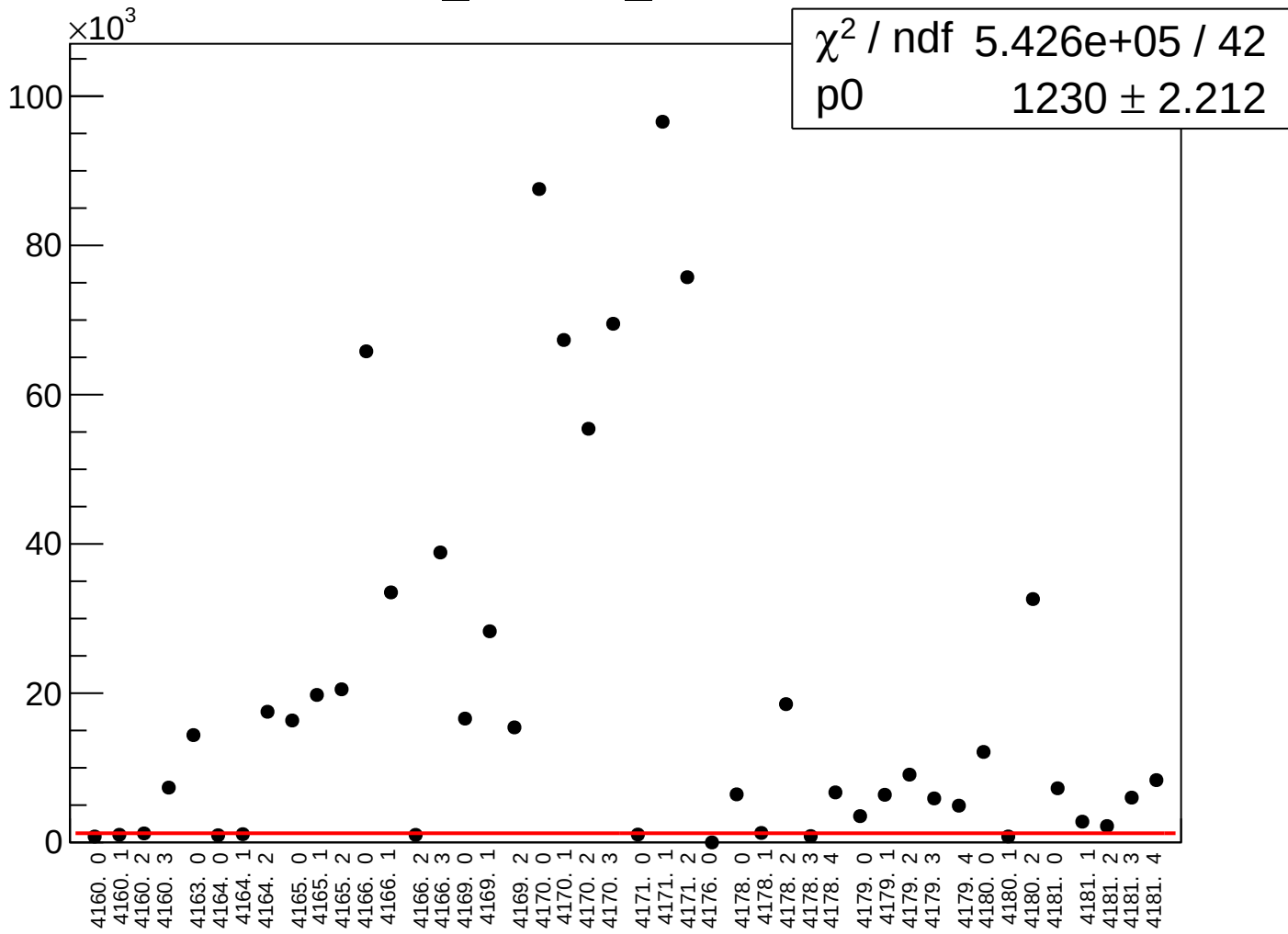
diff\_cav4bX\_rms vs run



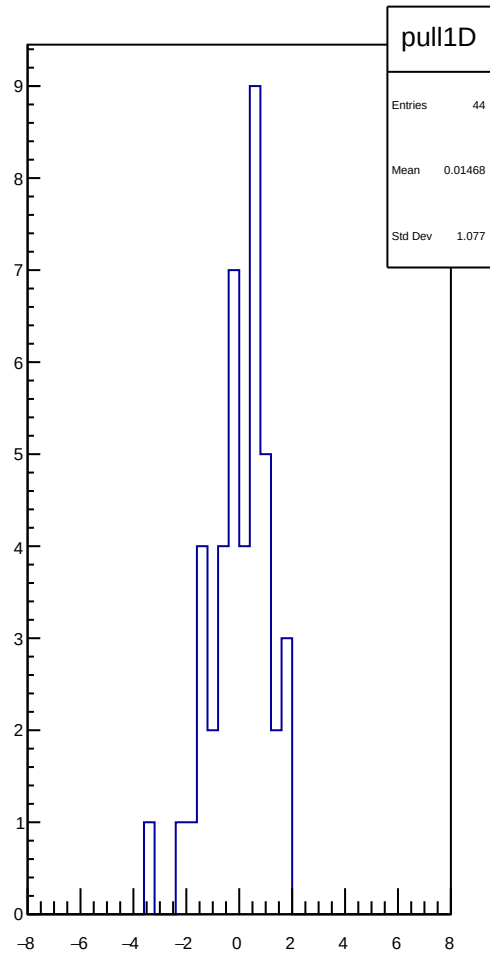
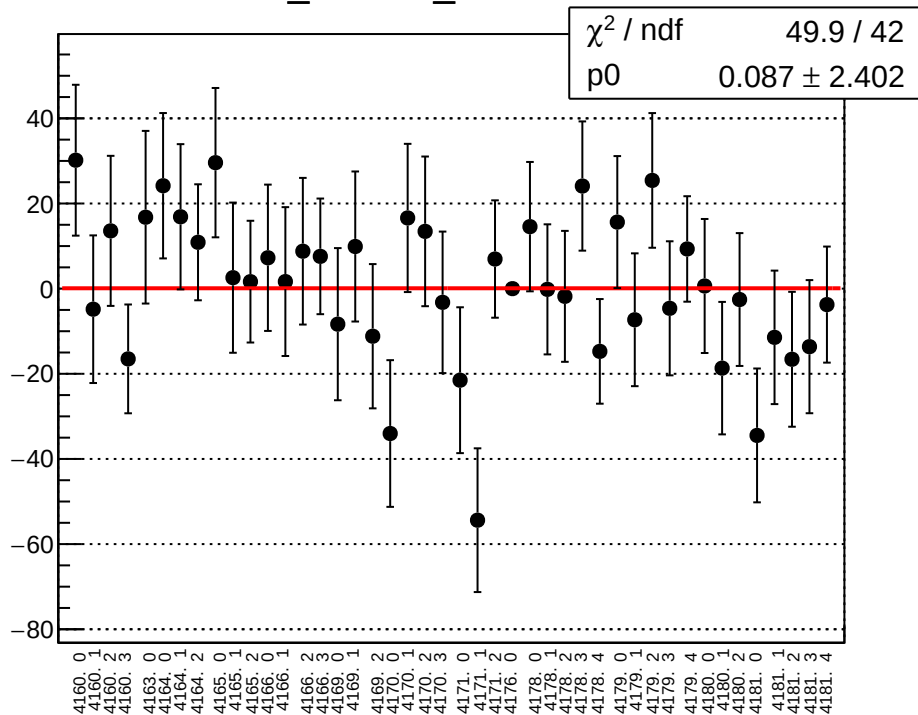
diff\_cav4bY\_mean vs run



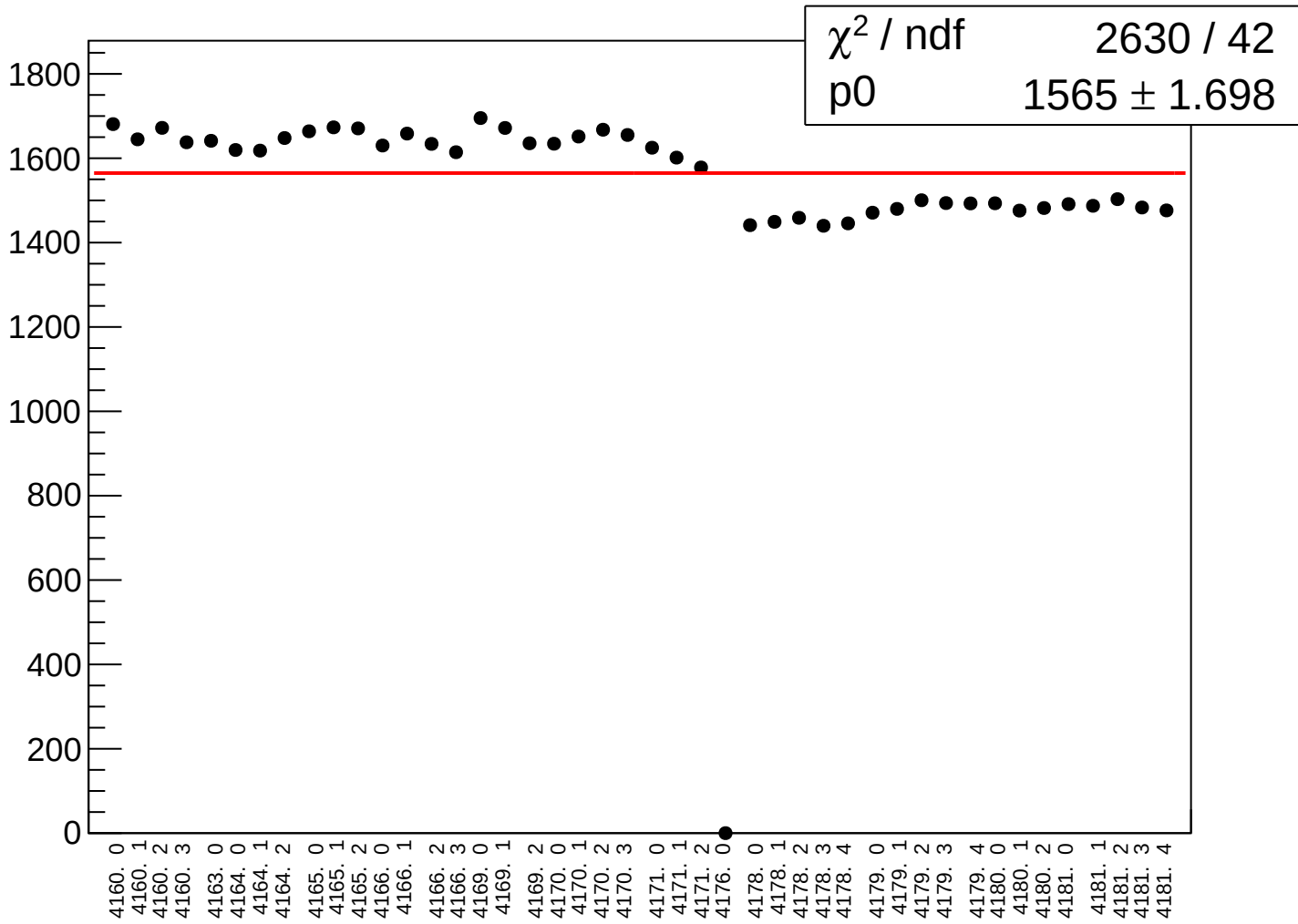
diff\_cav4bY\_rms vs run



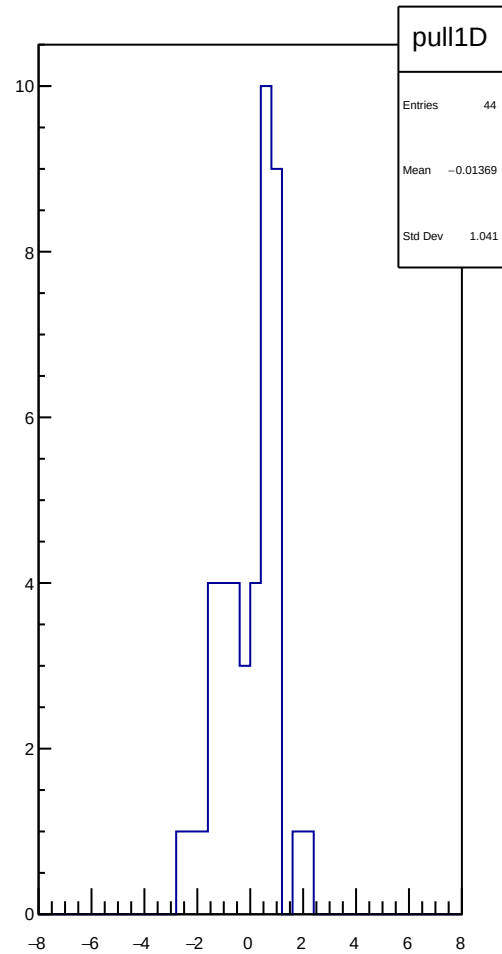
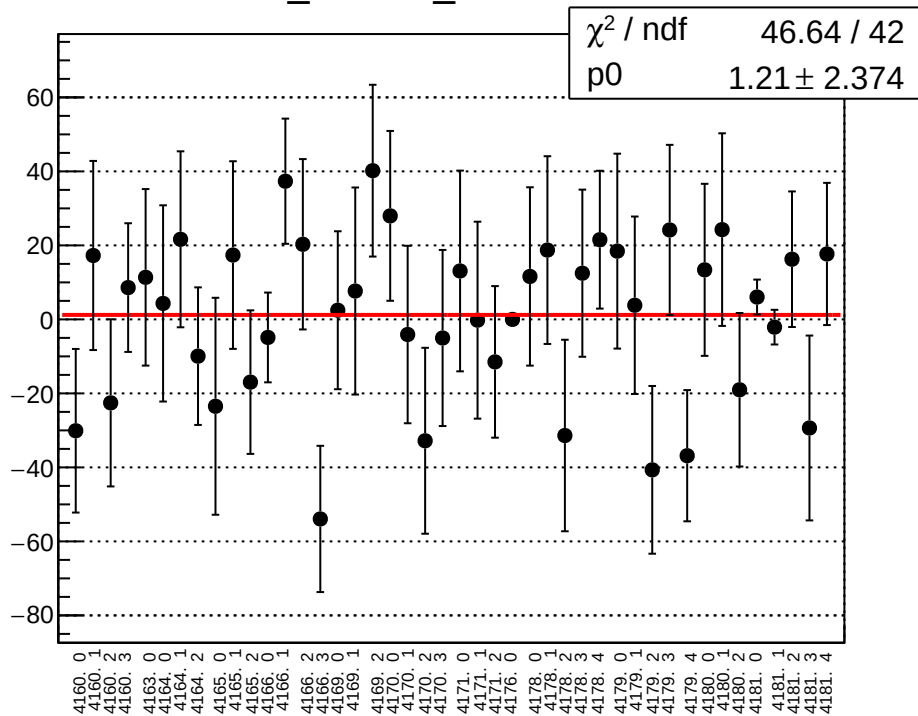
diff\_cav4cX\_mean vs run



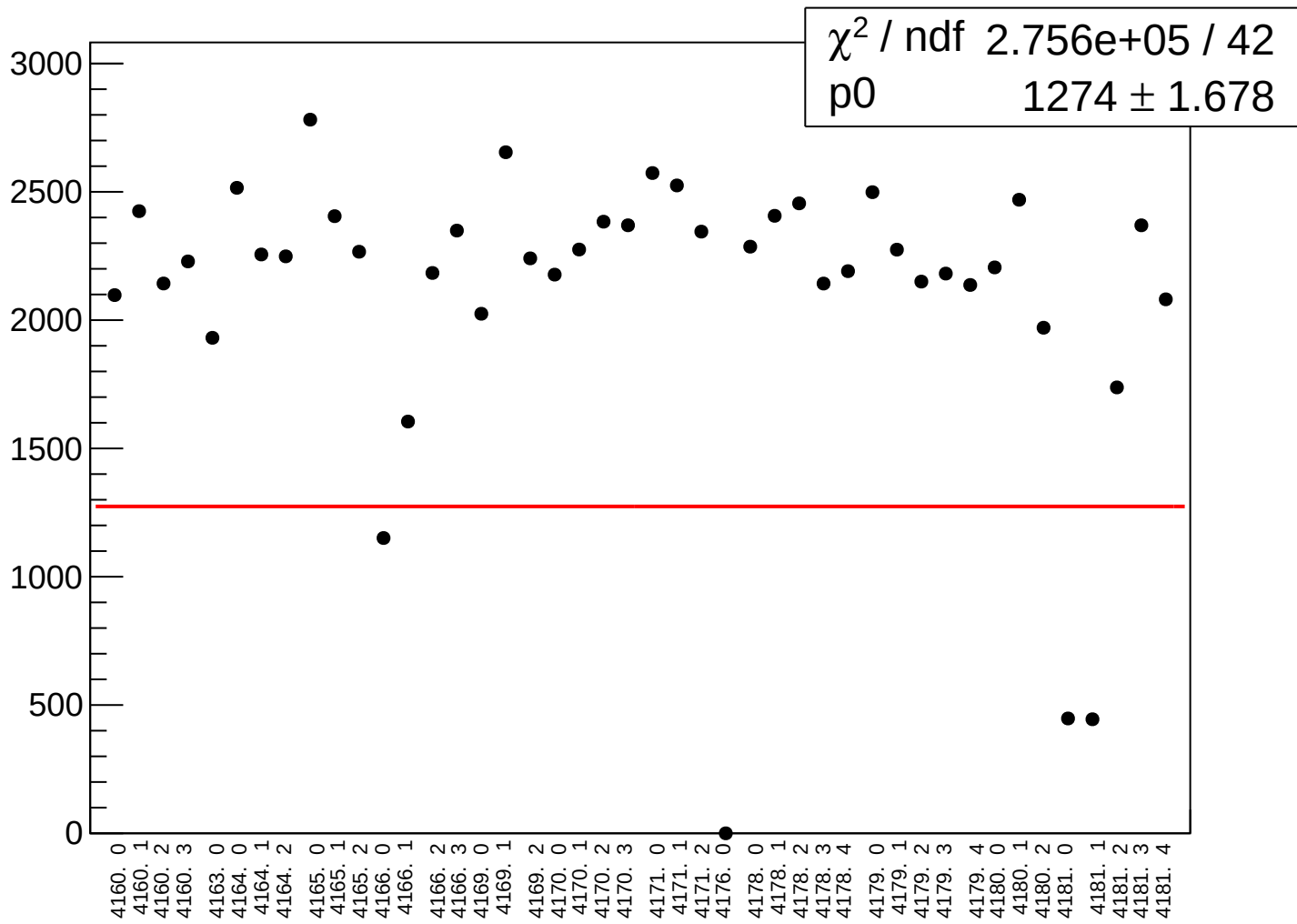
# diff\_cav4cX\_rms vs run



diff\_cav4cY\_mean vs run

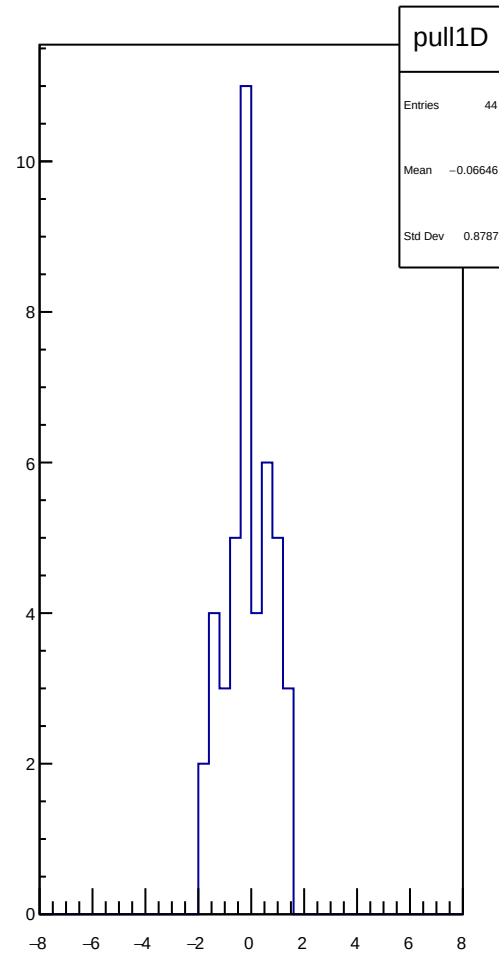
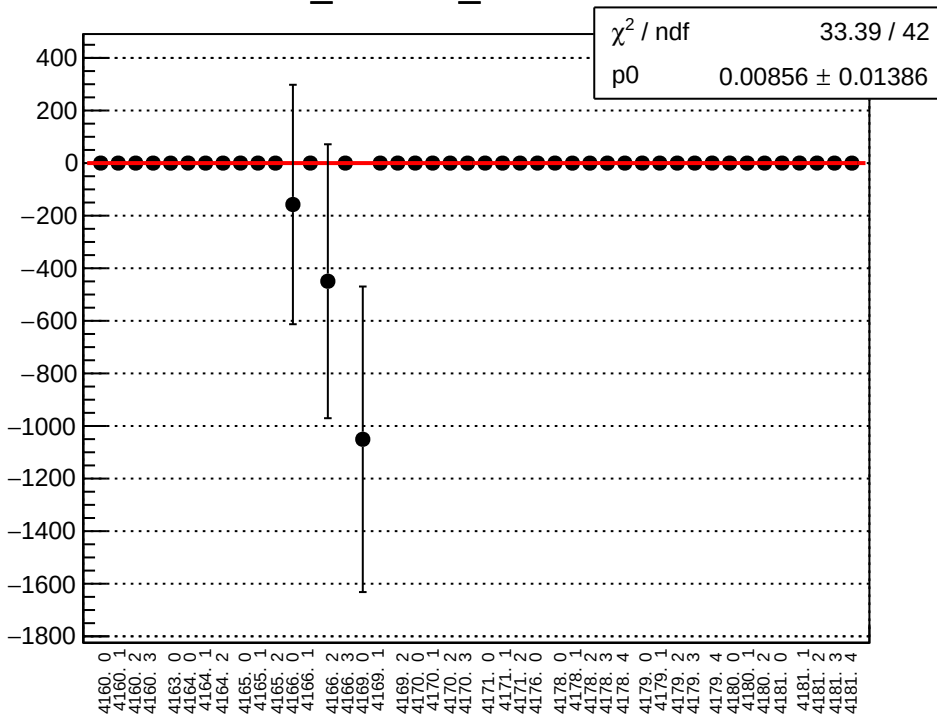


diff\_cav4cY\_rms vs run

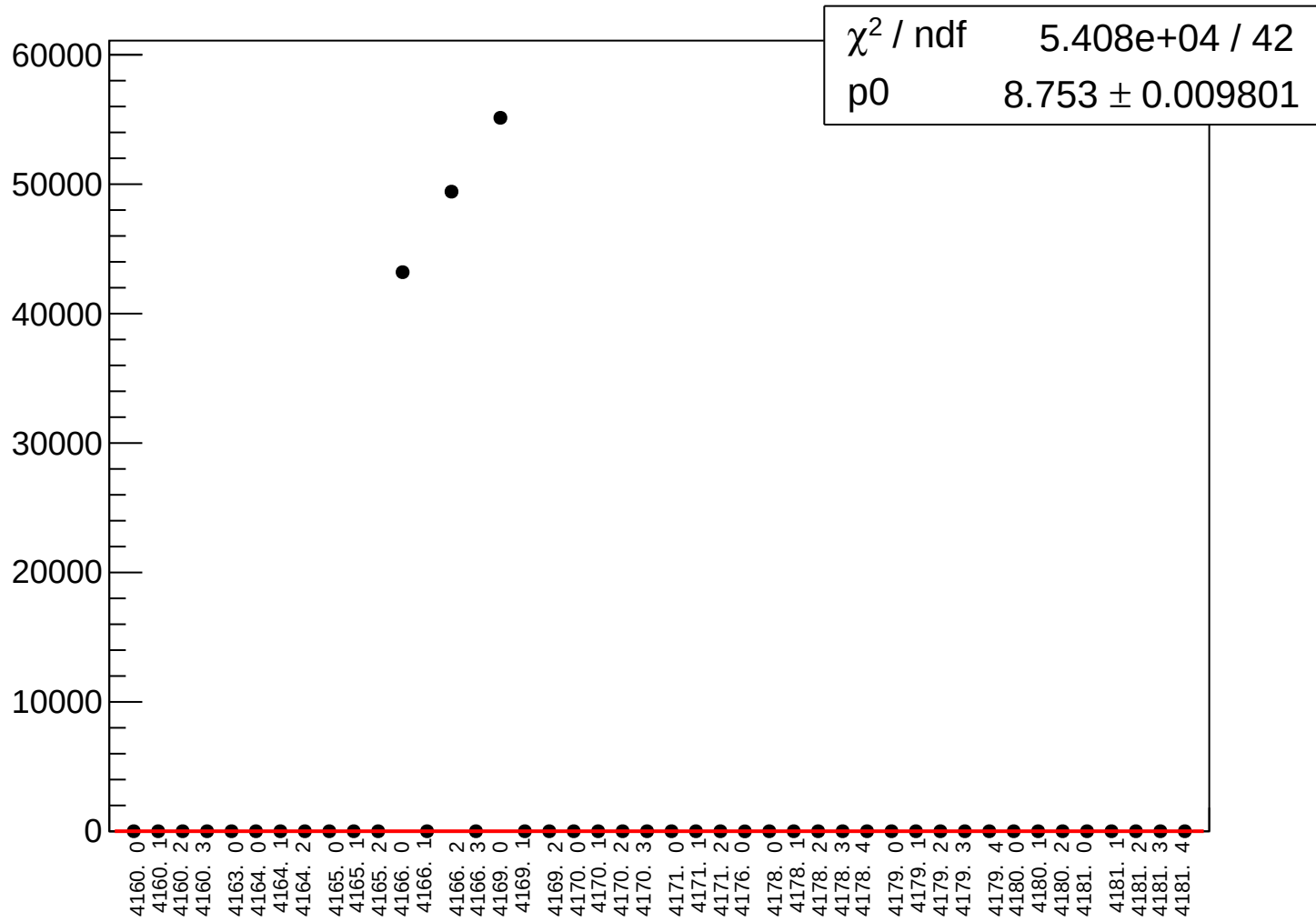




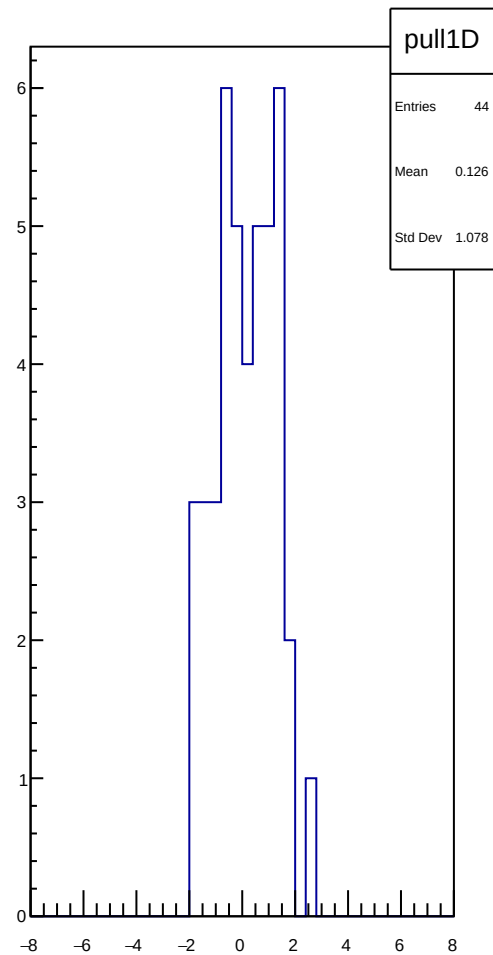
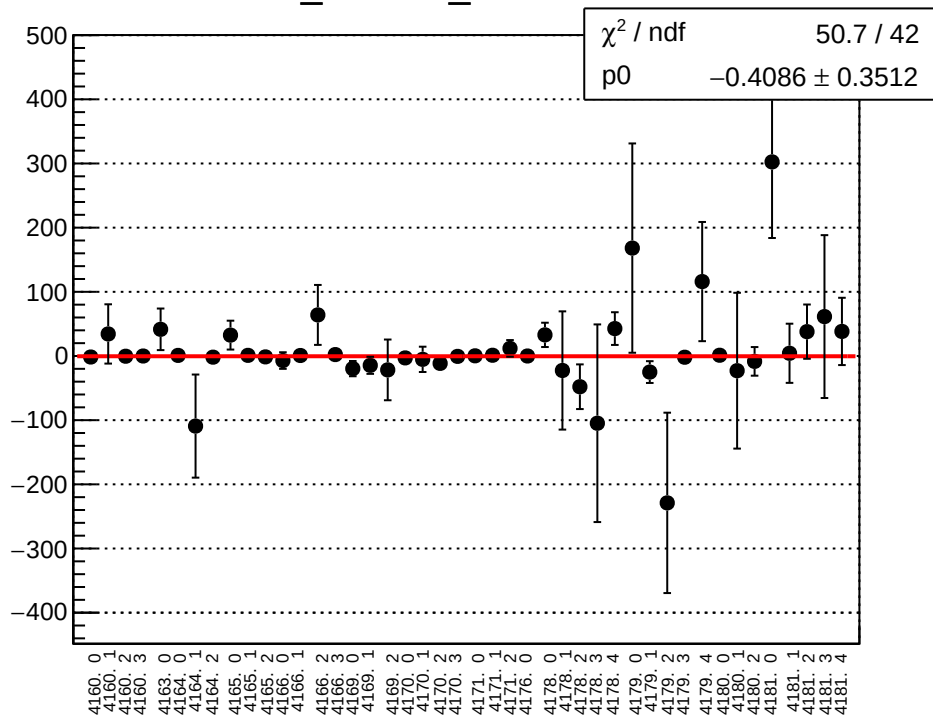
diff\_cav4dX\_mean vs run



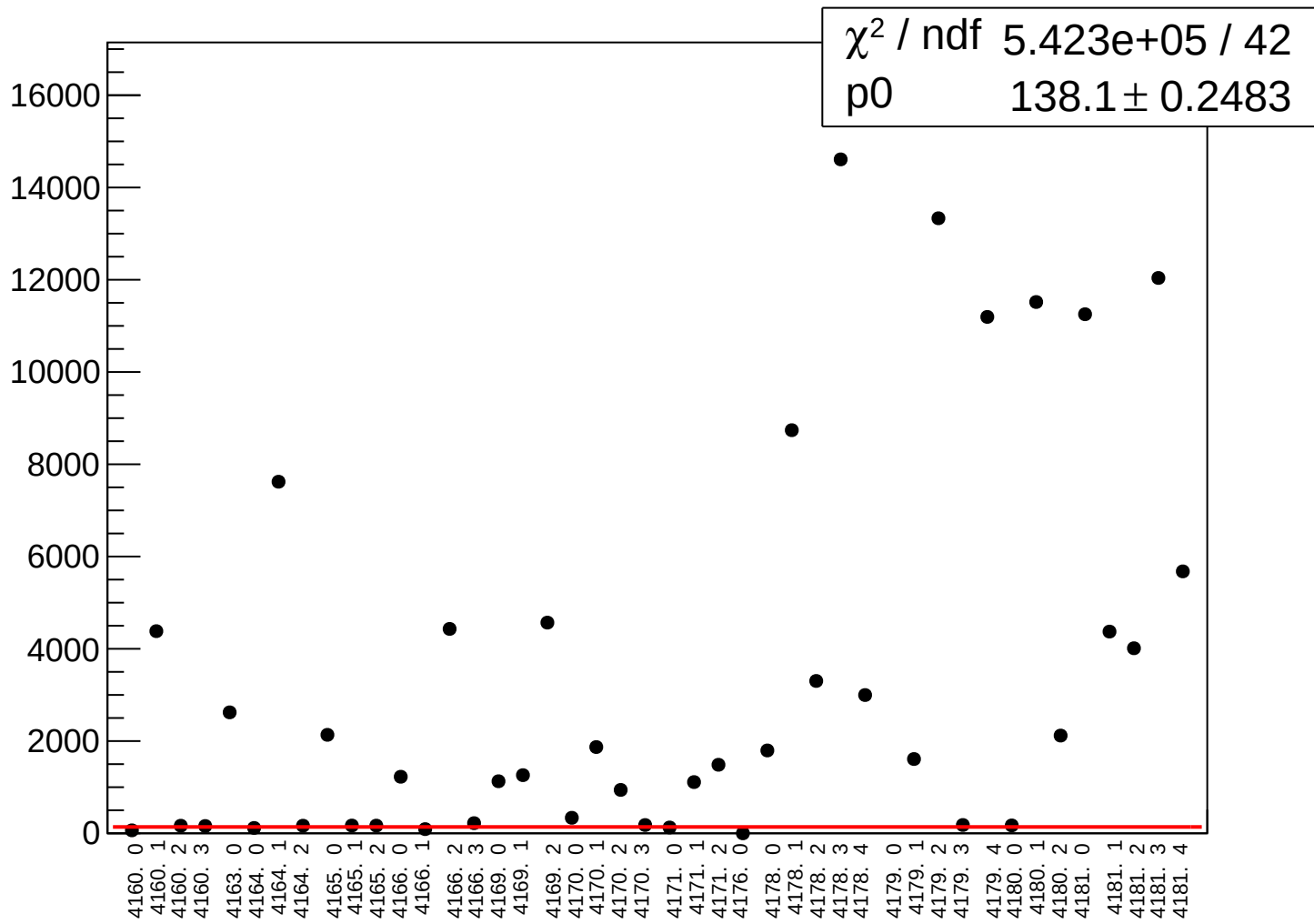
diff\_cav4dX\_rms vs run



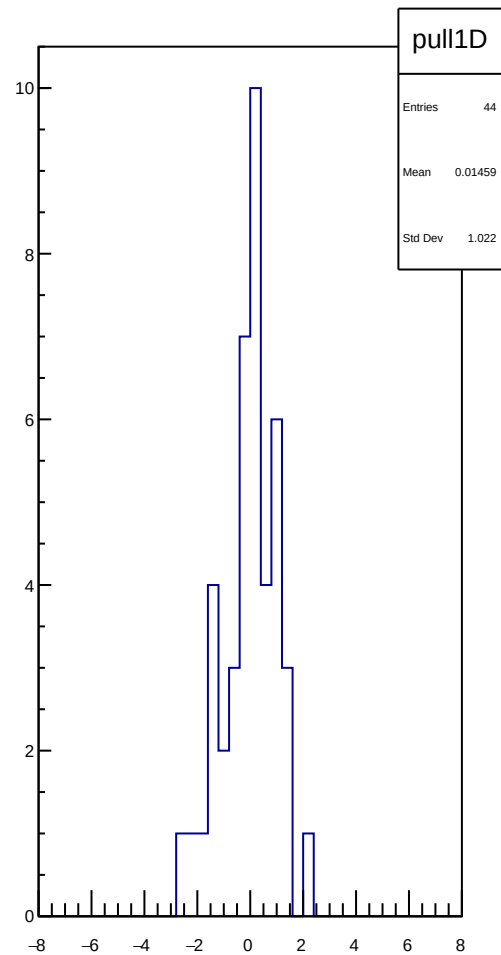
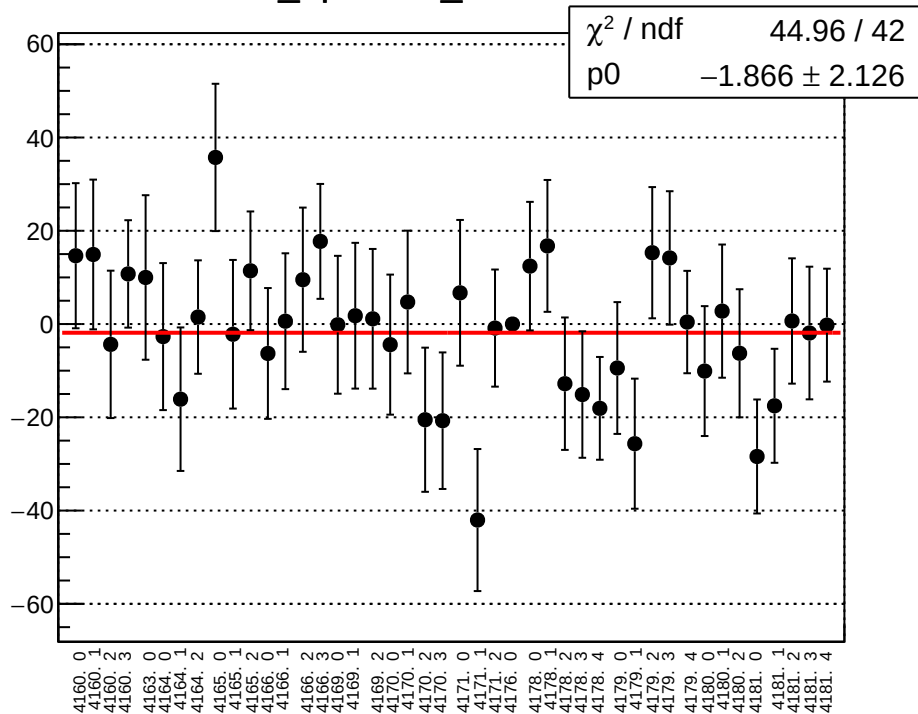
diff\_cav4dY\_mean vs run



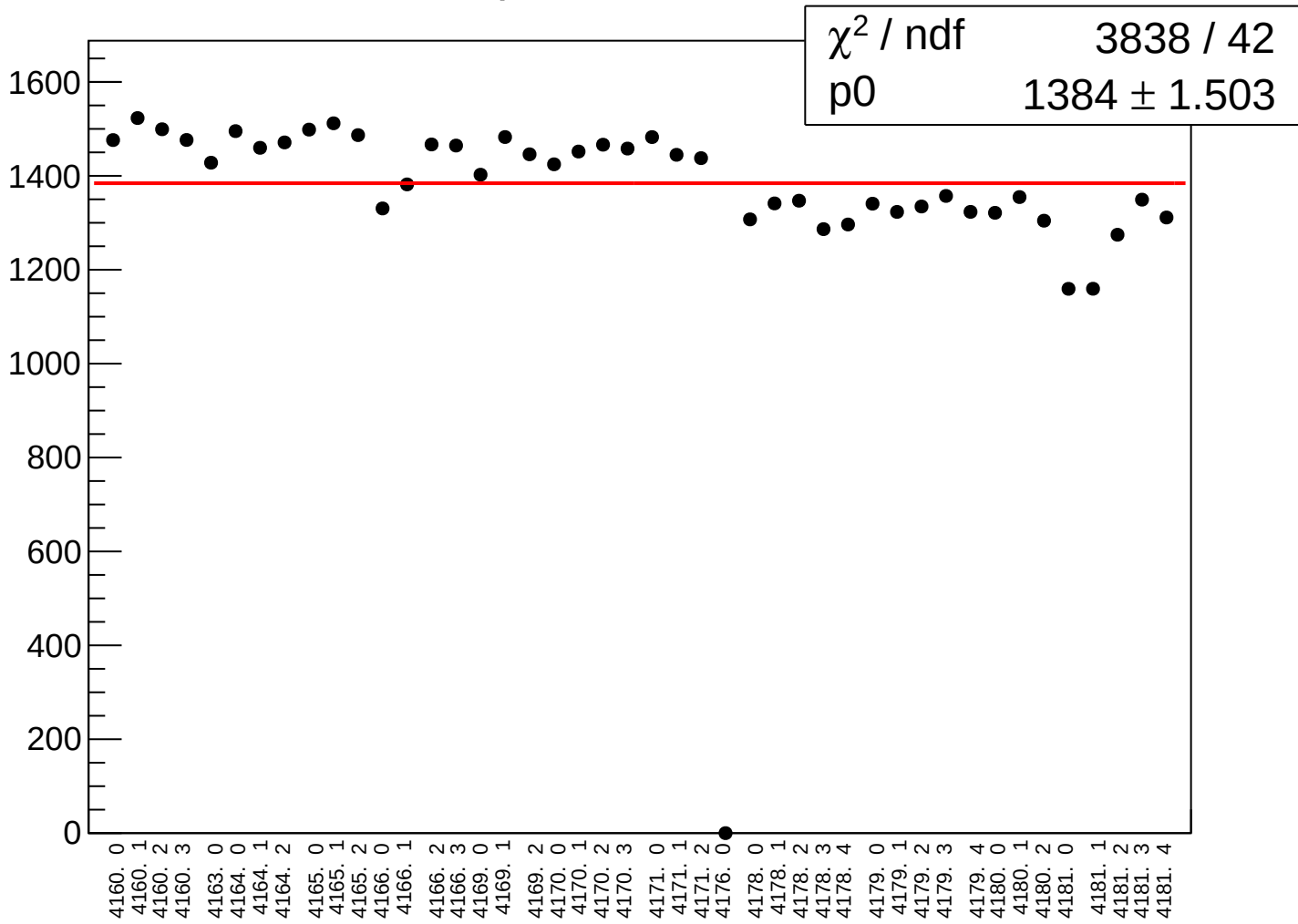
diff\_cav4dY\_rms vs run



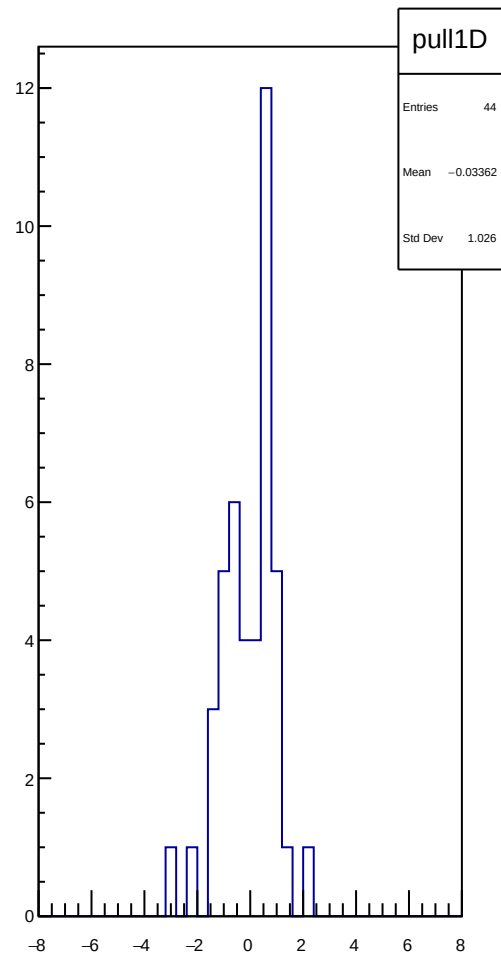
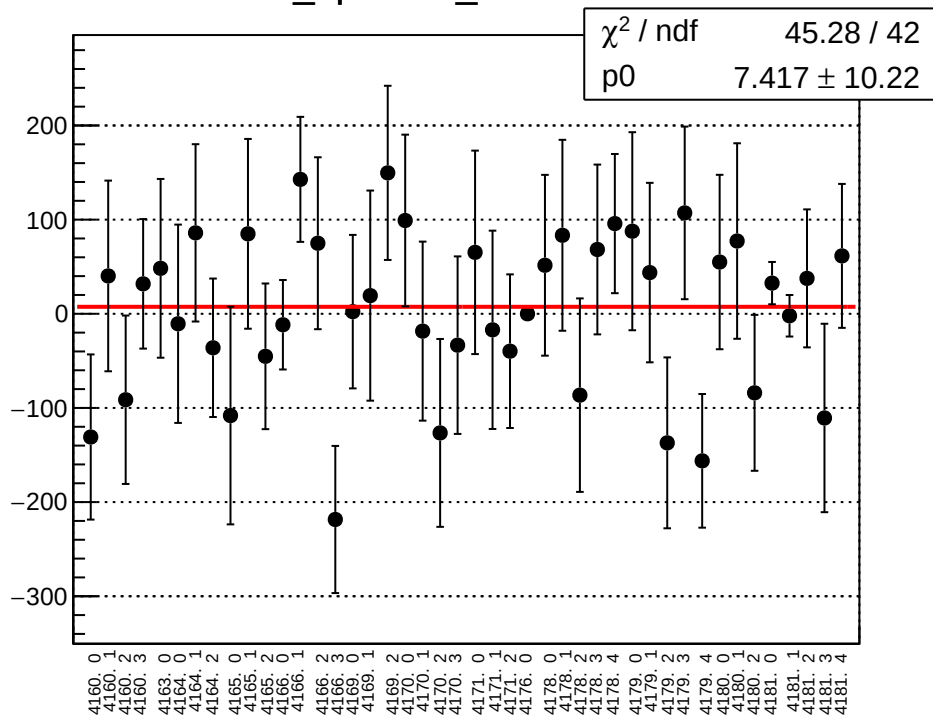
diff\_bpm4aX\_mean vs un



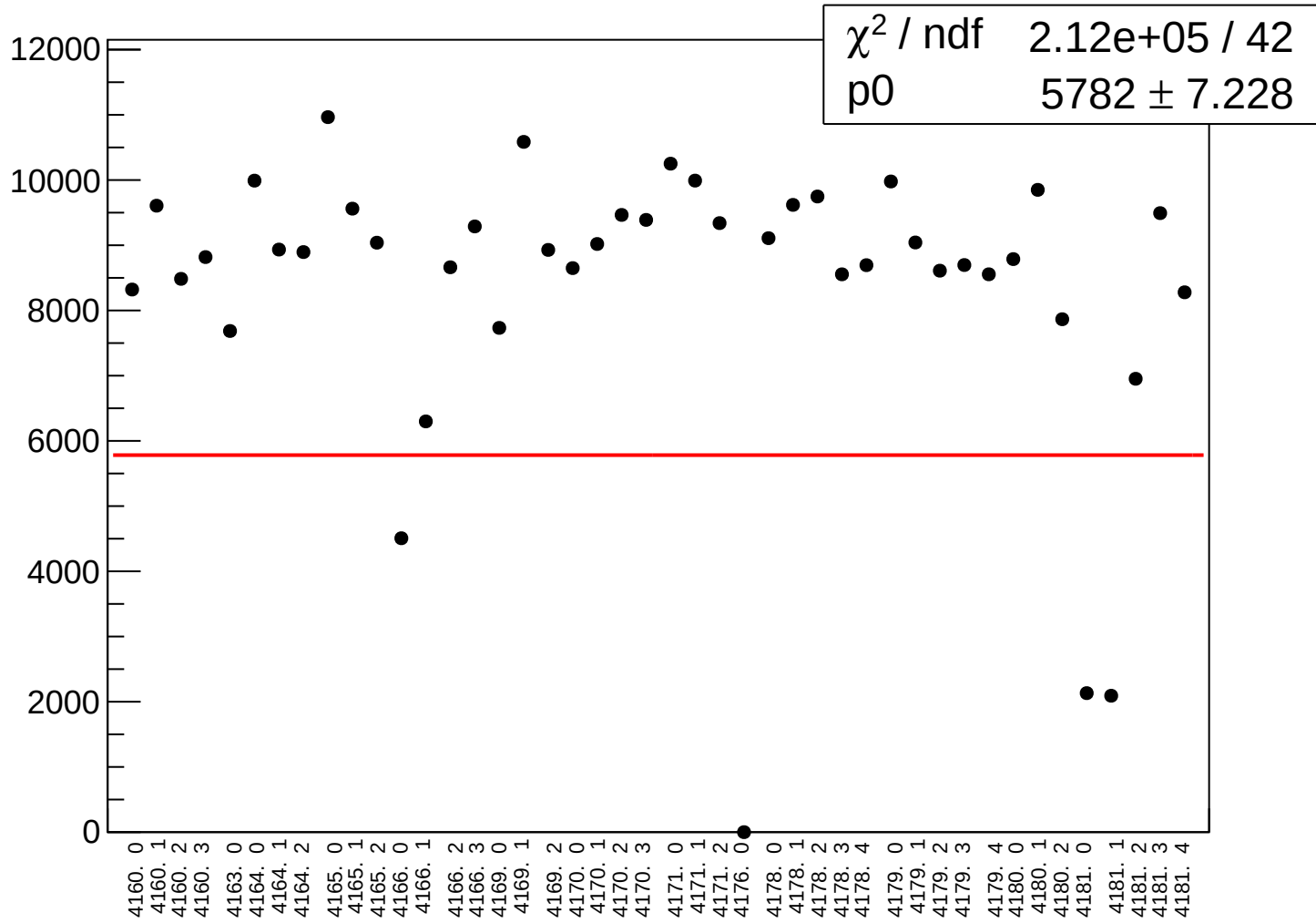
# diff\_bpm4aX\_rms vs run



diff\_bpm4aY\_mean vs un

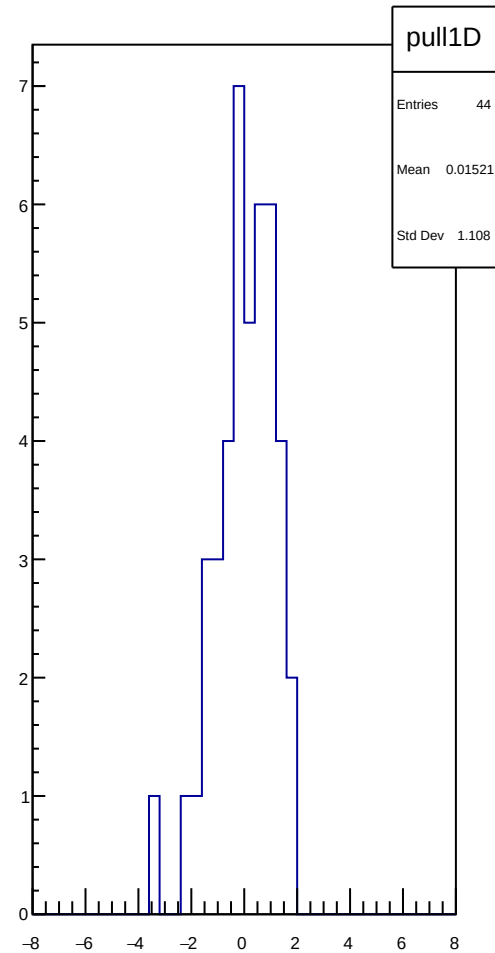
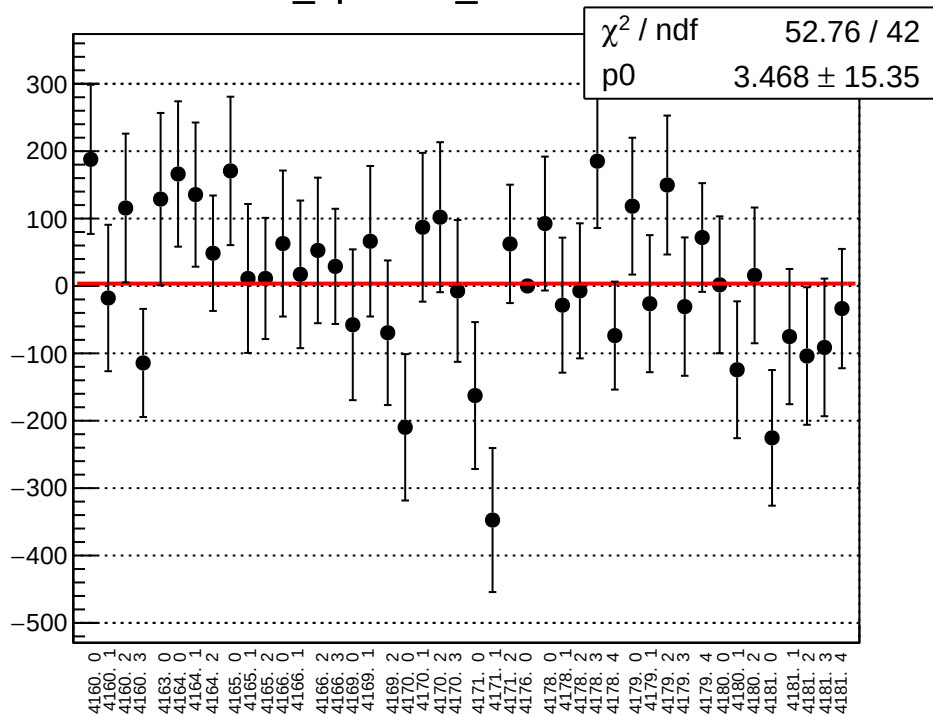


diff\_bpm4aY\_rms vs run

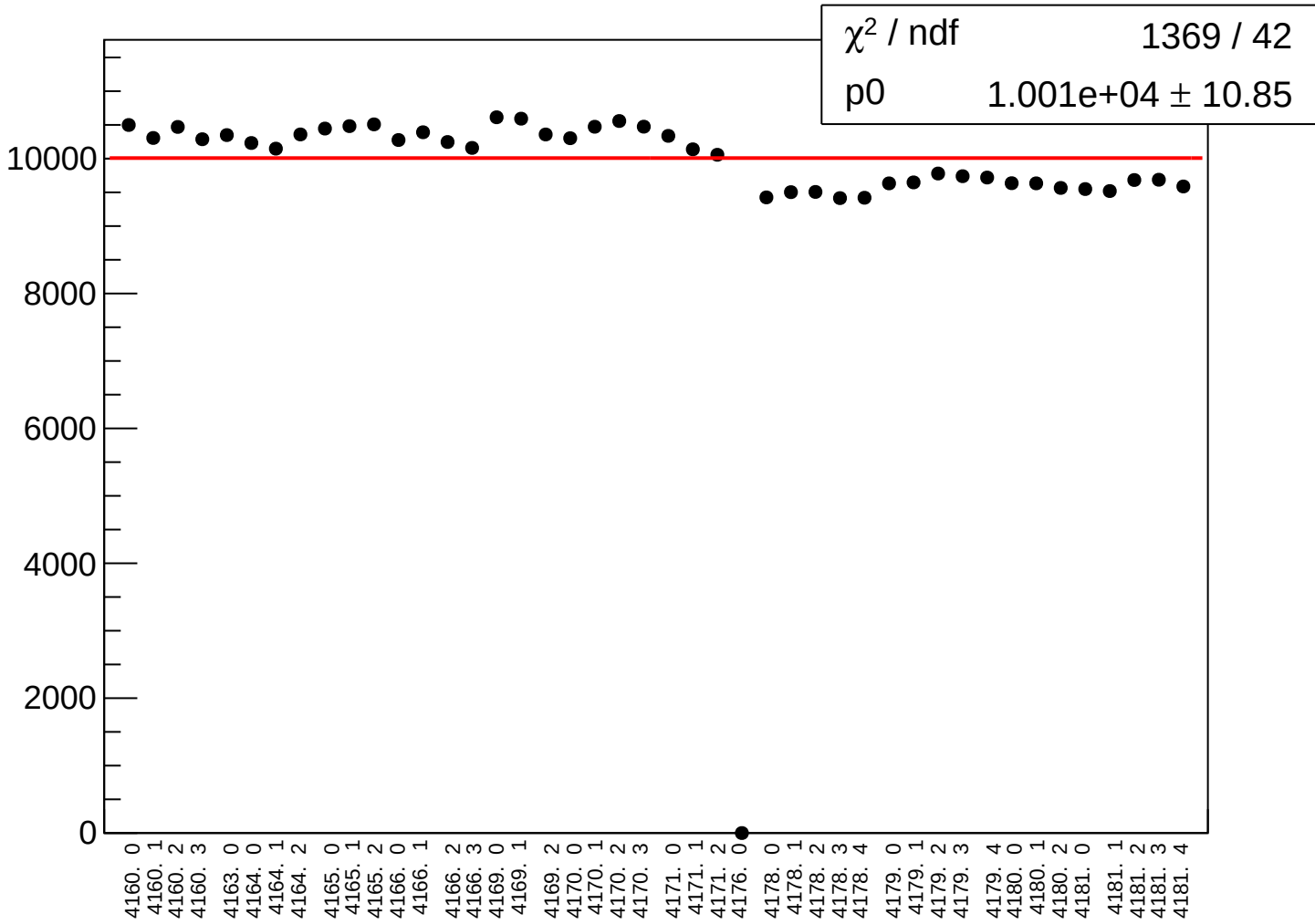




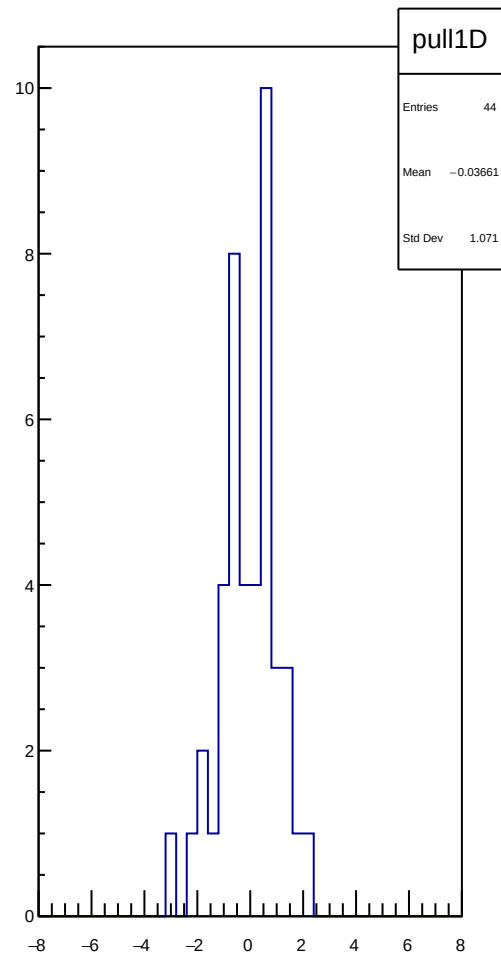
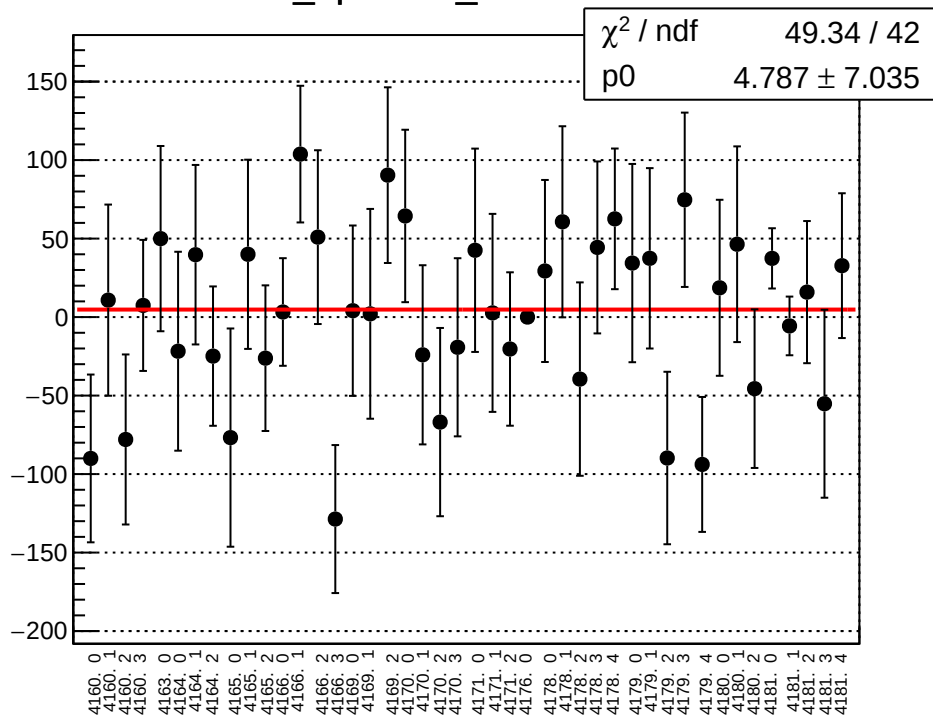
diff\_bpm4eX\_mean vs run



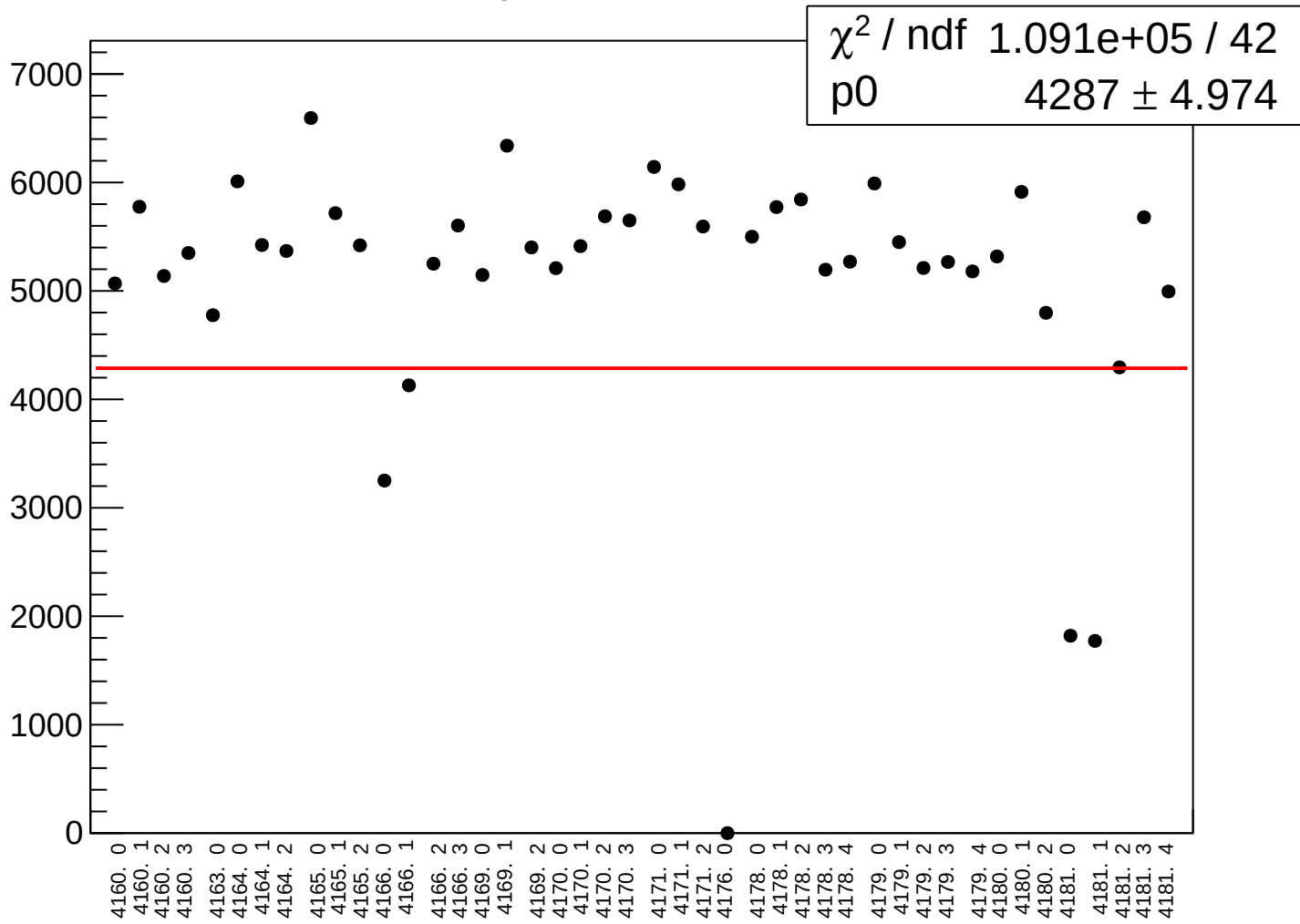
# diff\_bpm4eX\_rms vs run



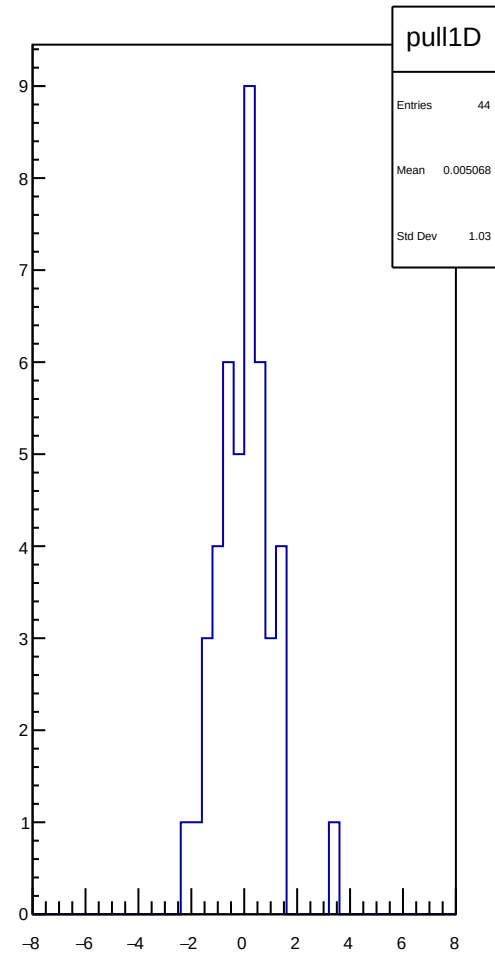
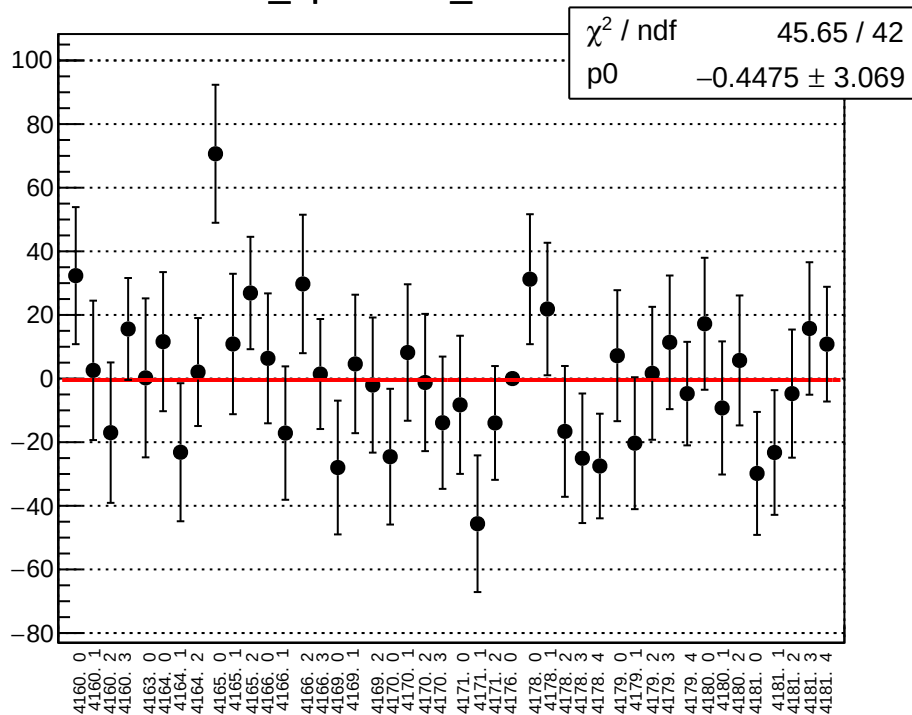
diff\_bpm4eY\_mean vs run



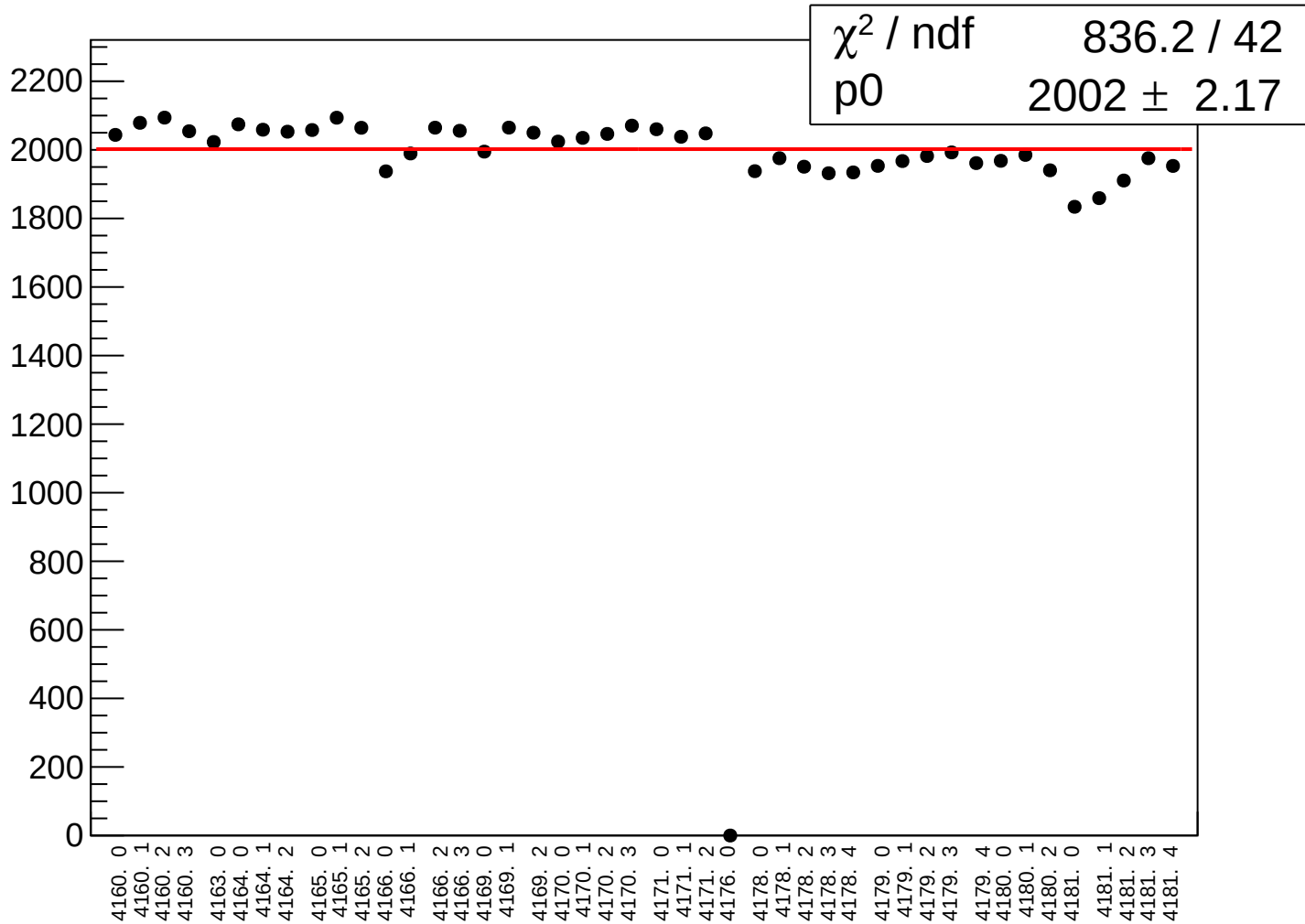
diff\_bpm4eY\_rms vs run



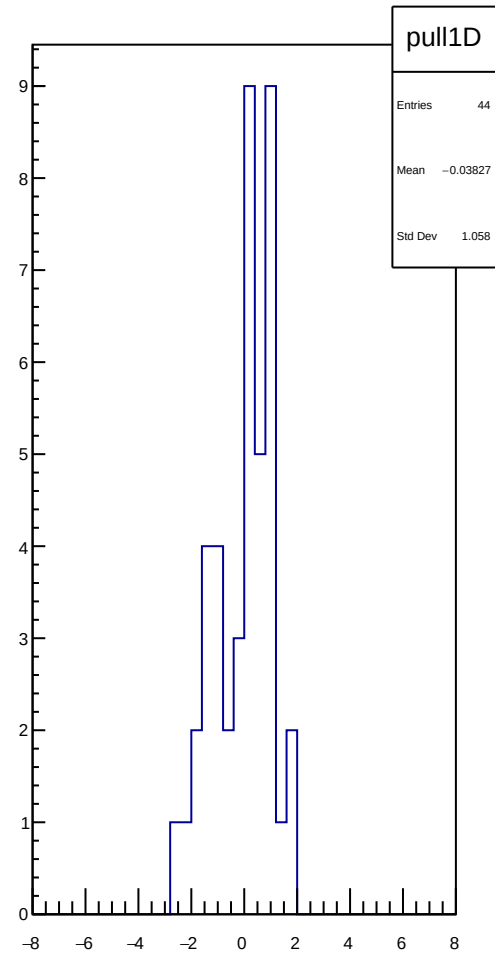
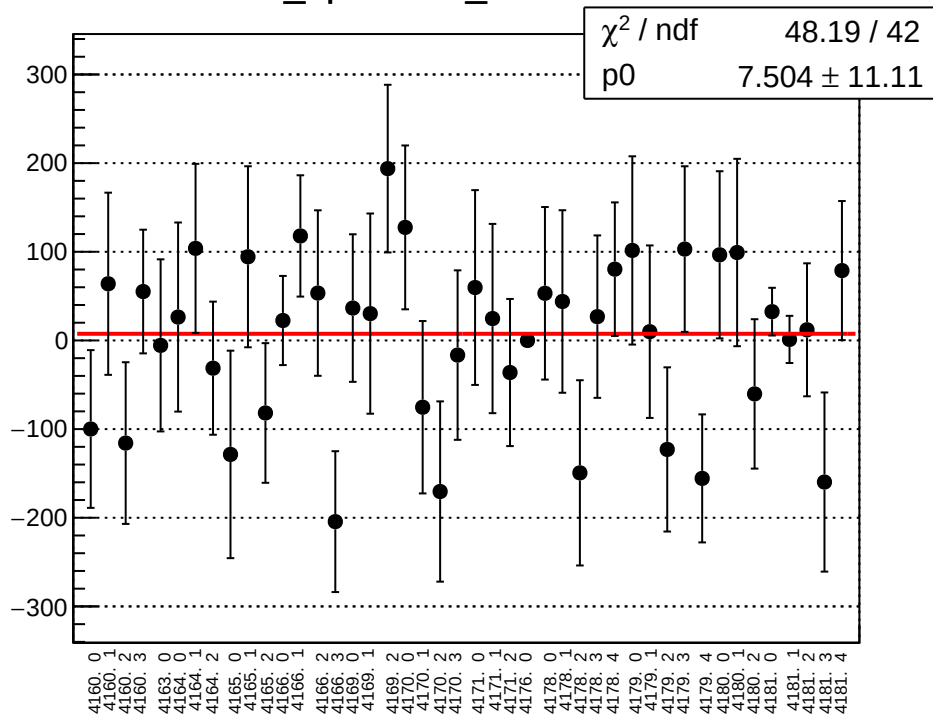
diff\_bpm4acX\_mean vs run



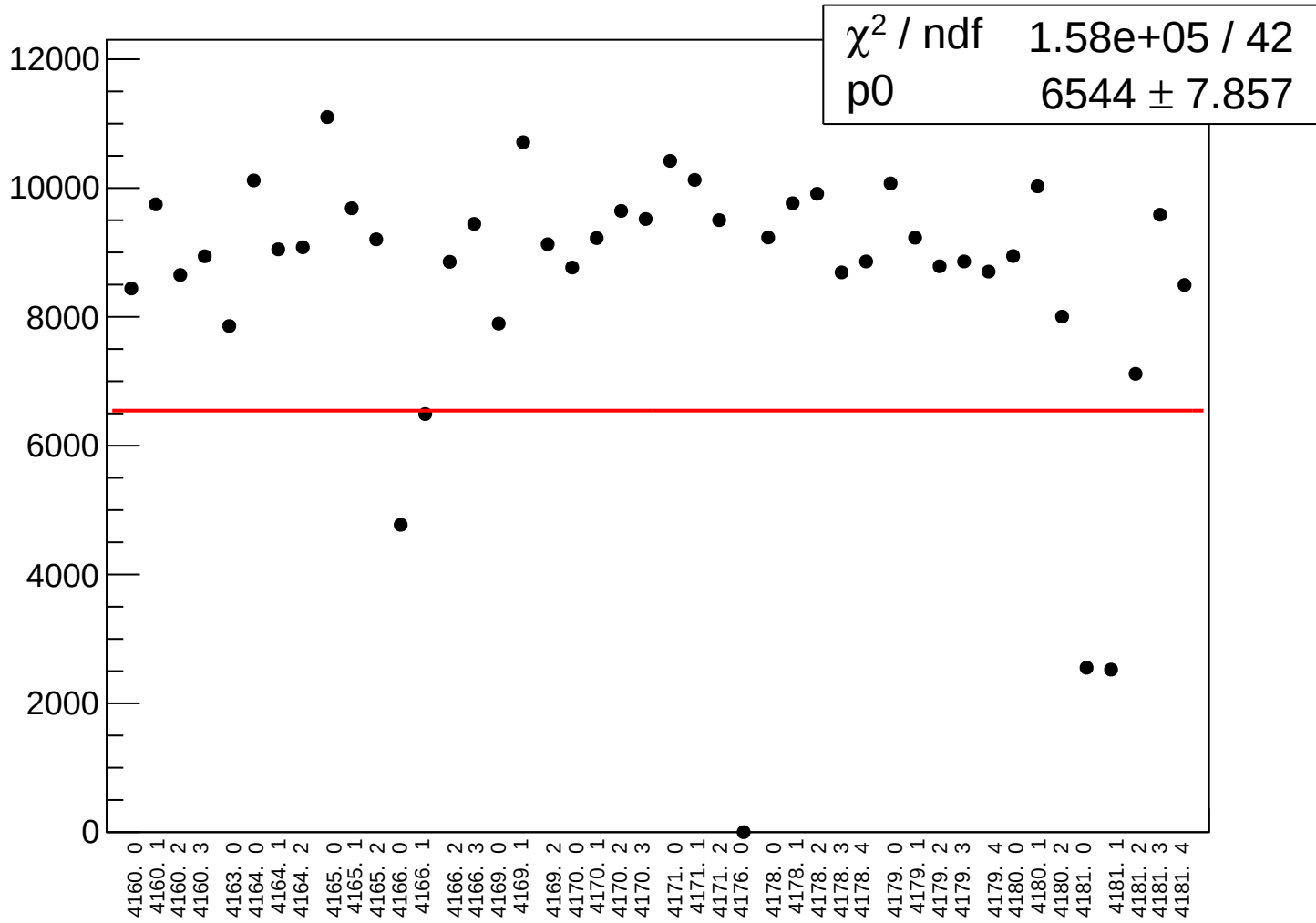
# diff\_bpm4acX\_rms vs run



diff\_bpm4acY\_mean vs run

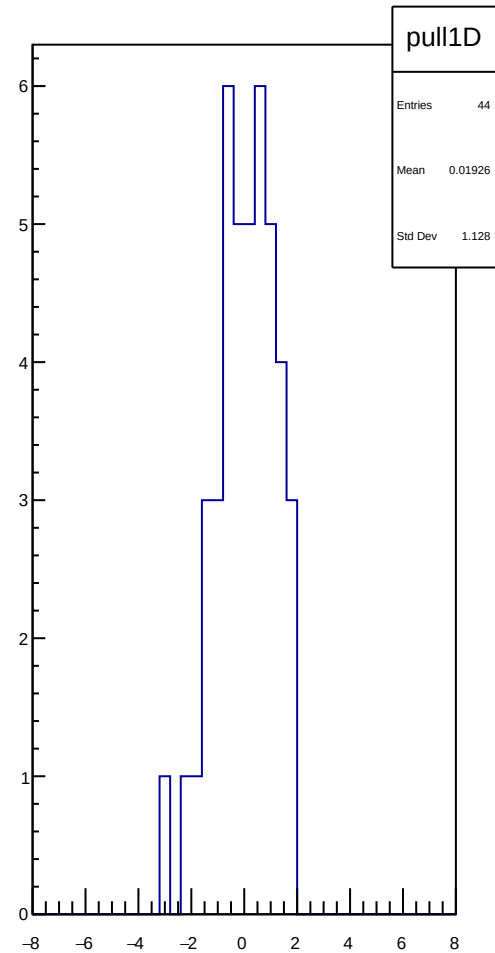
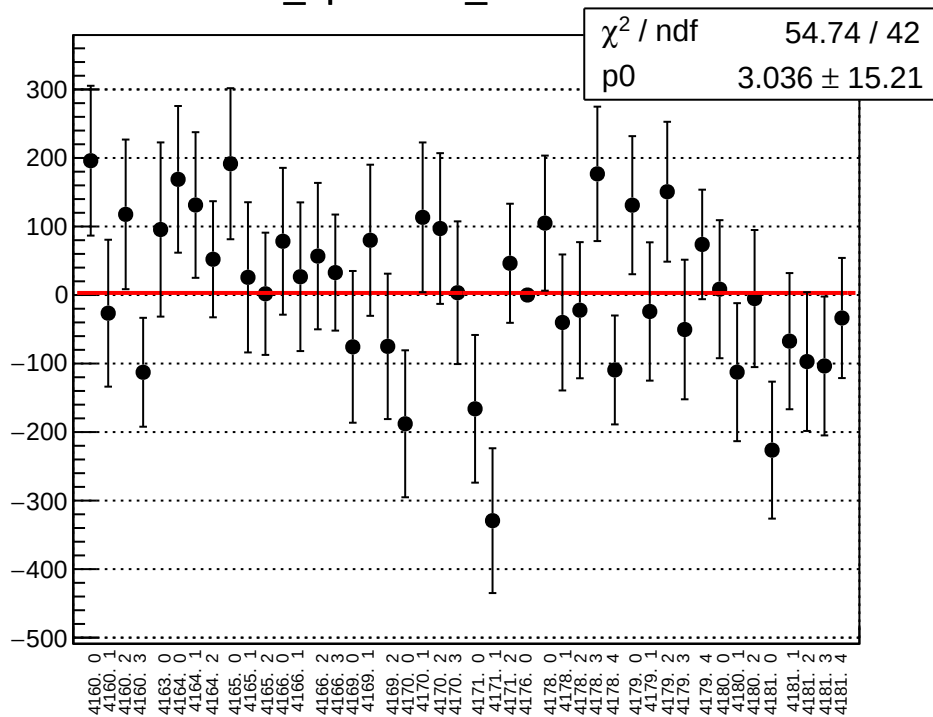


diff\_bpm4acY\_rms vs run

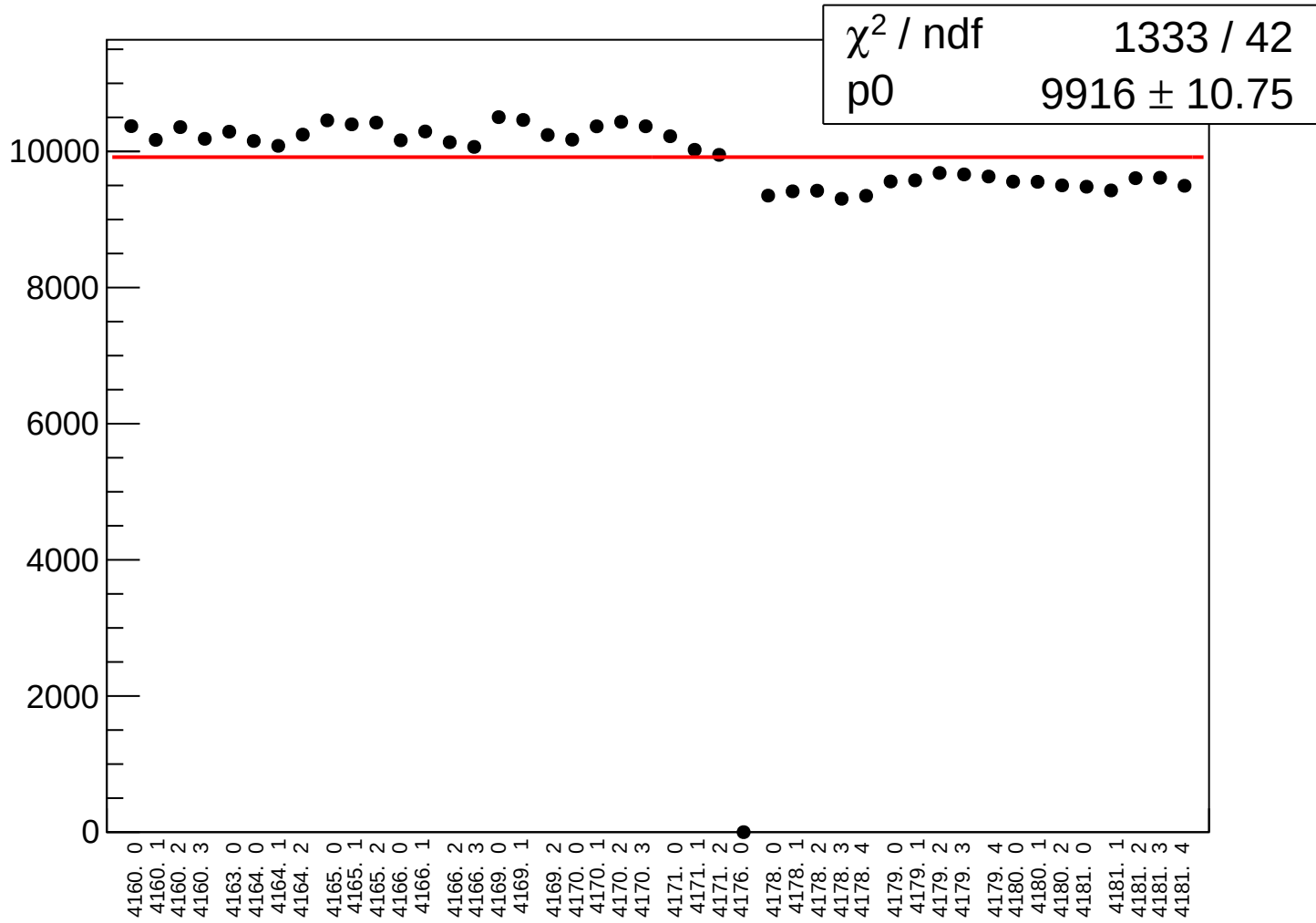




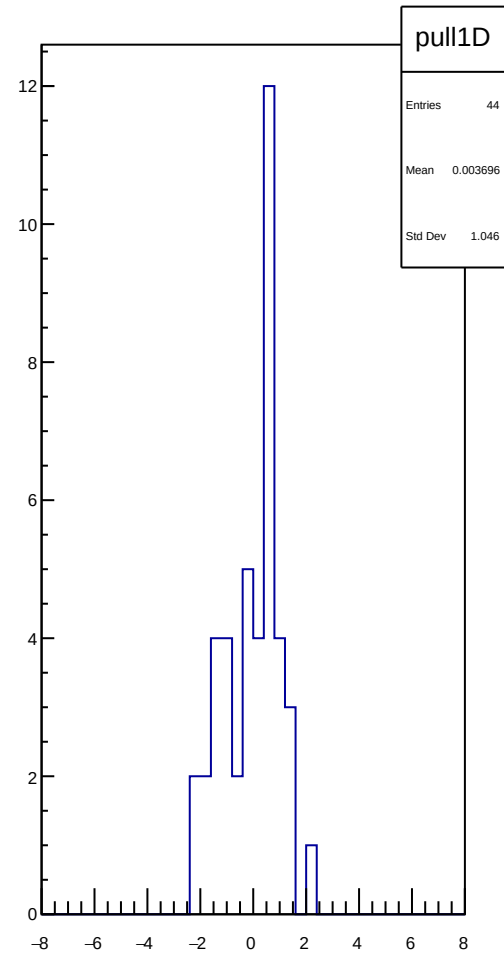
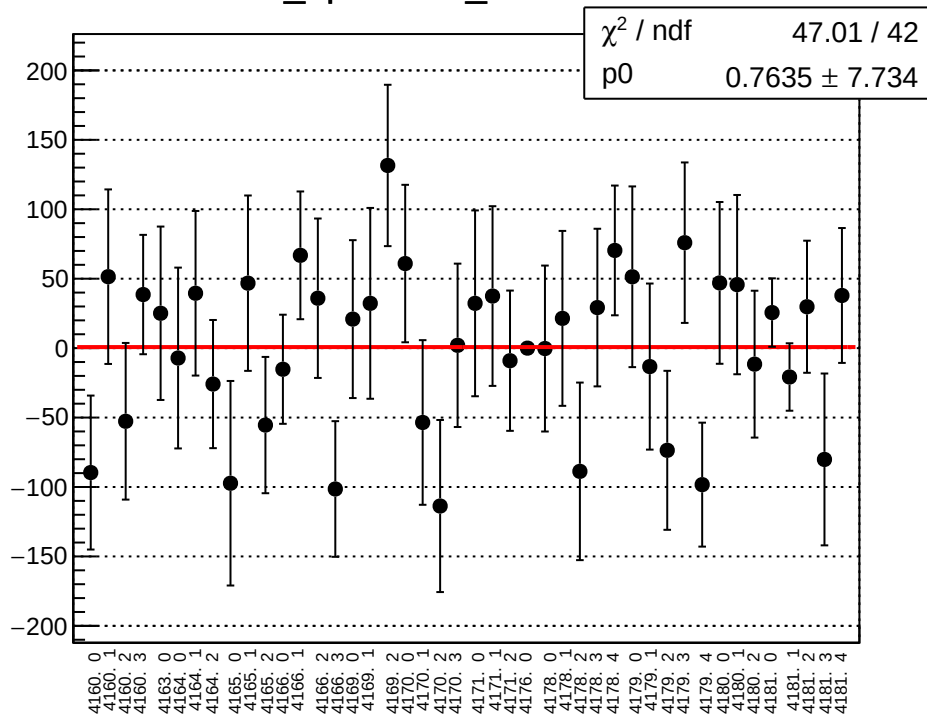
diff\_bpm4ecX\_mean vs run



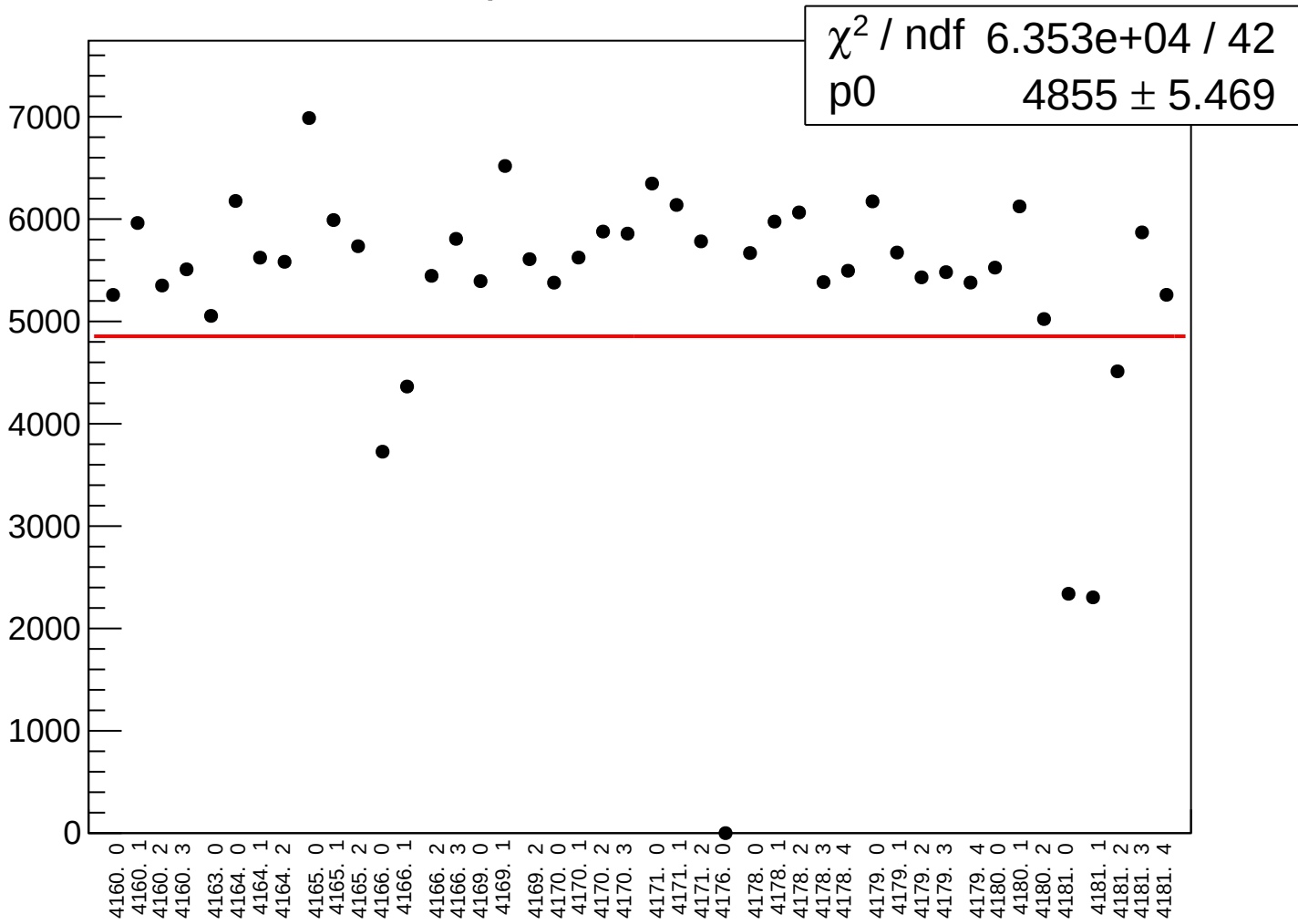
# diff\_bpm4ecX\_rms vs run



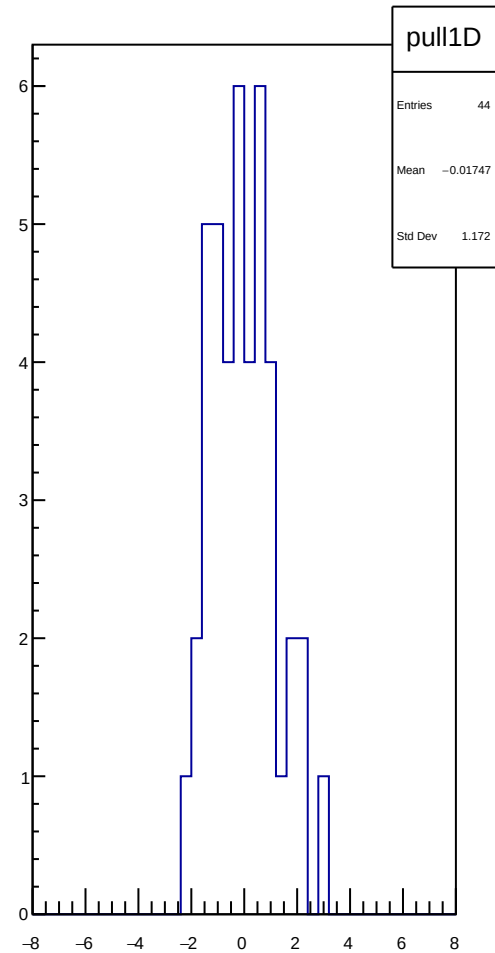
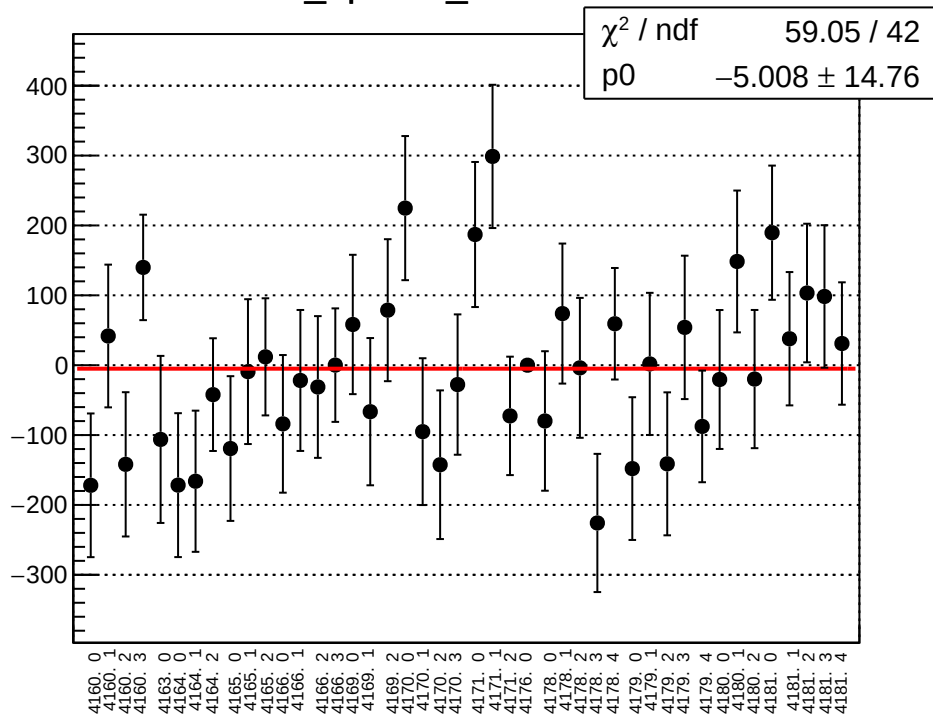
diff\_bpm4ecY\_mean vs run



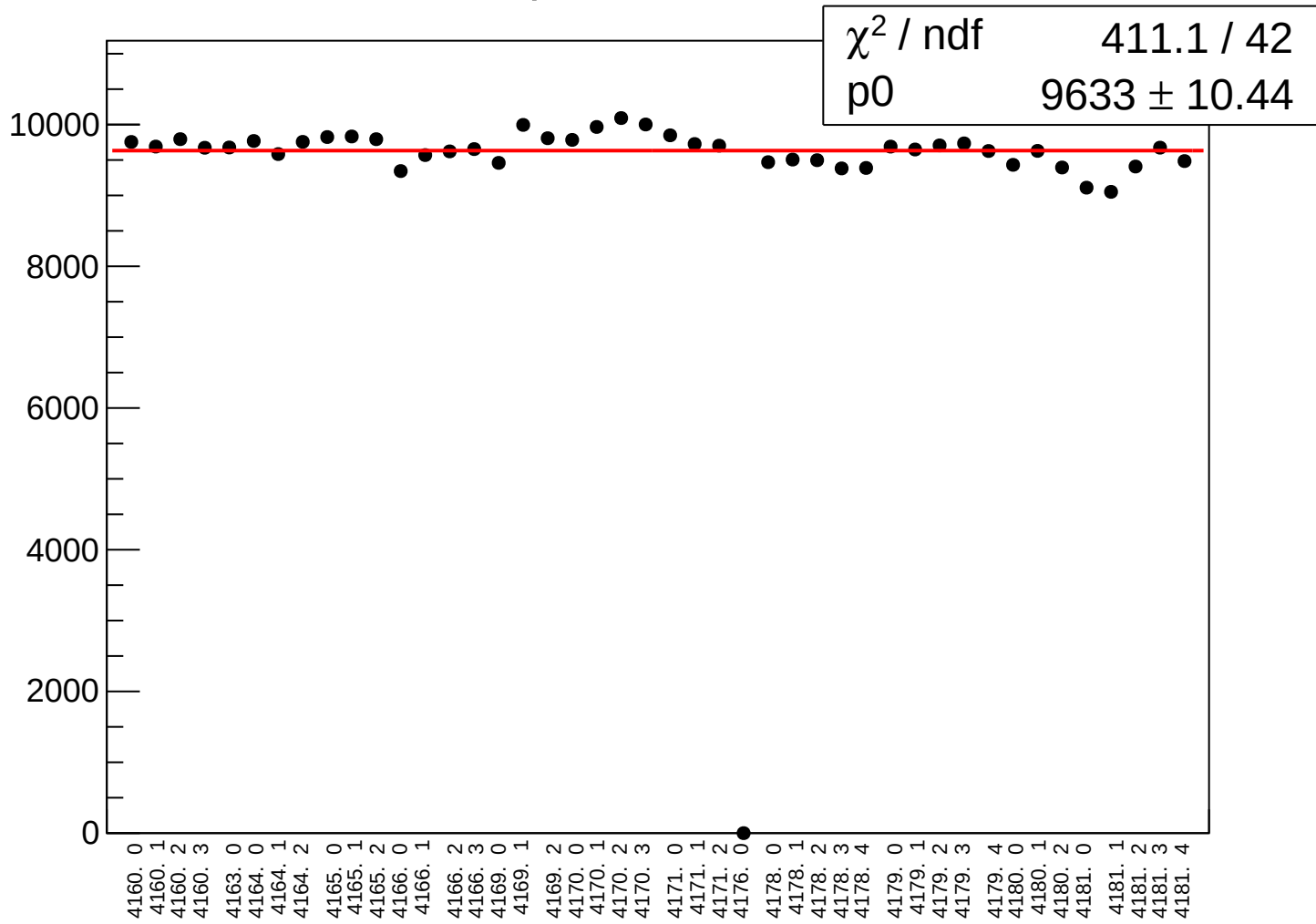
diff\_bpm4ecY\_rms vs run



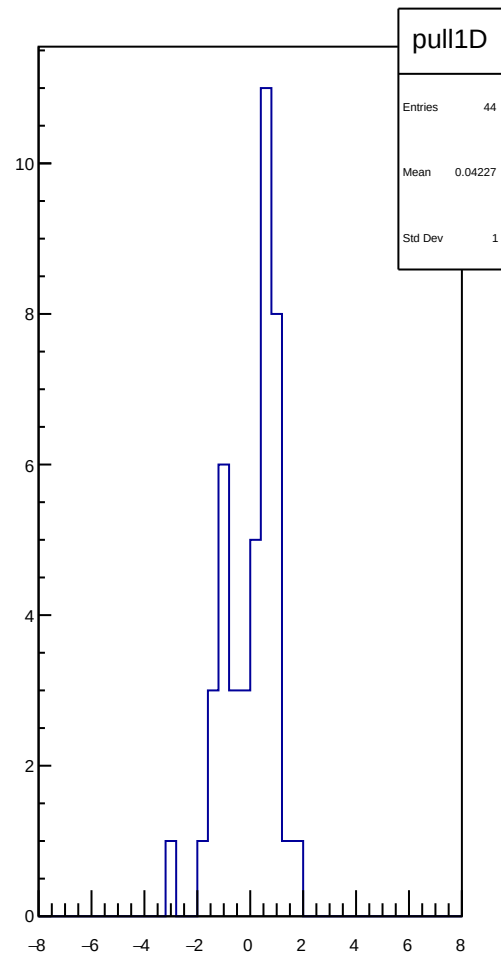
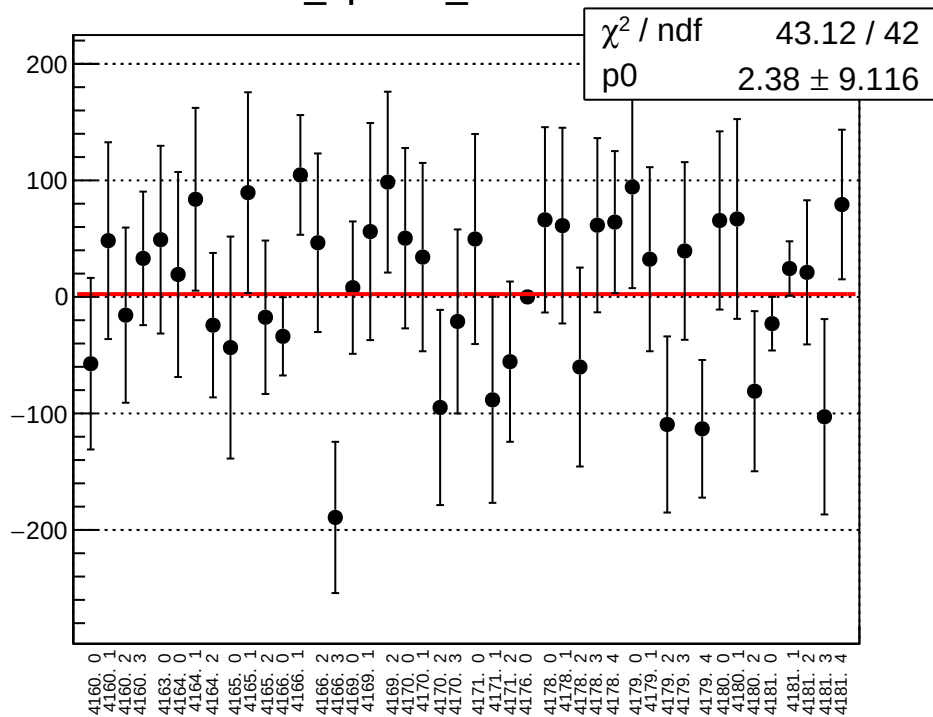
diff\_bpm1X\_mean vs run



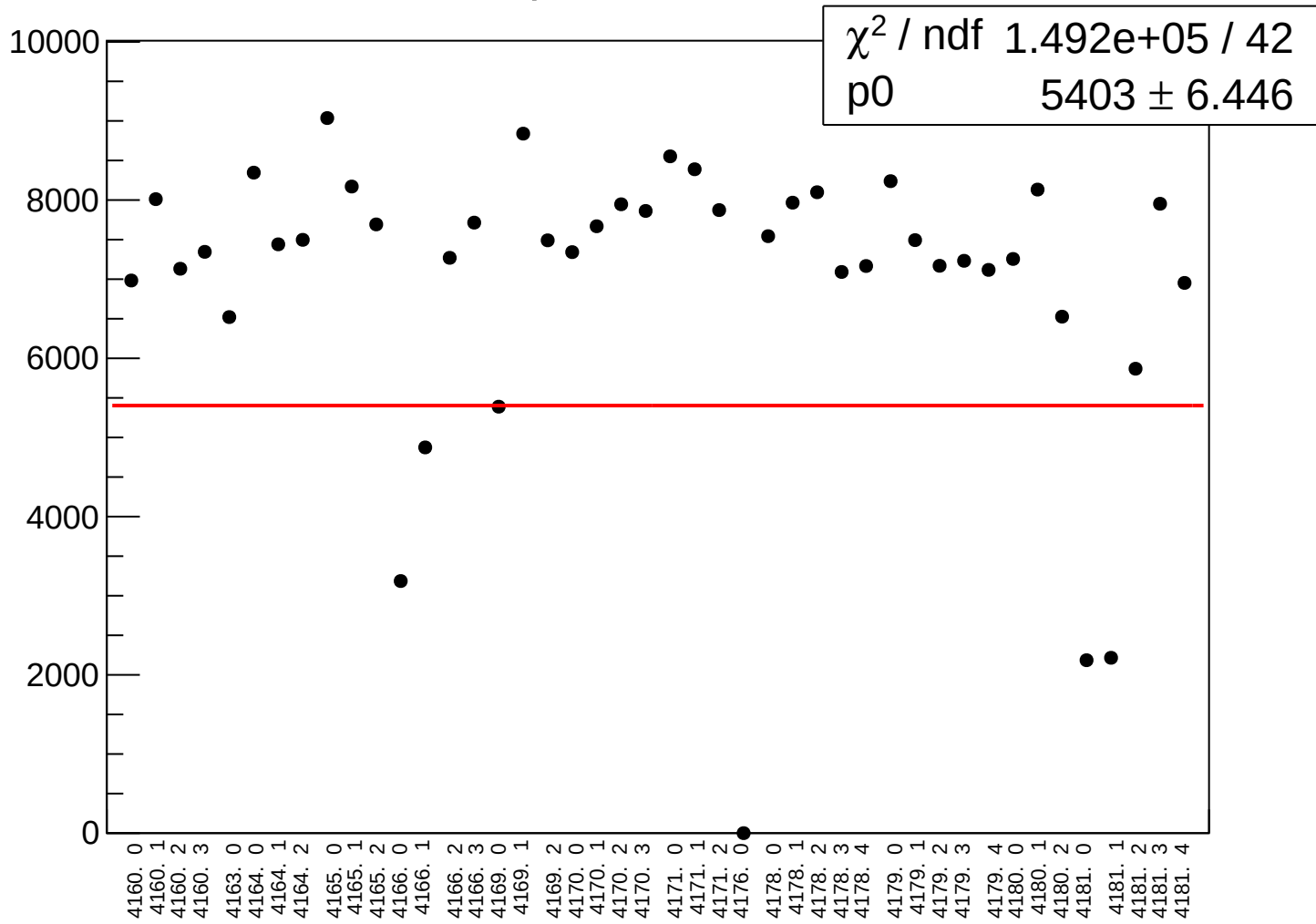
diff\_bpm1X\_rms vs run



diff\_bpm1Y\_mean vs run

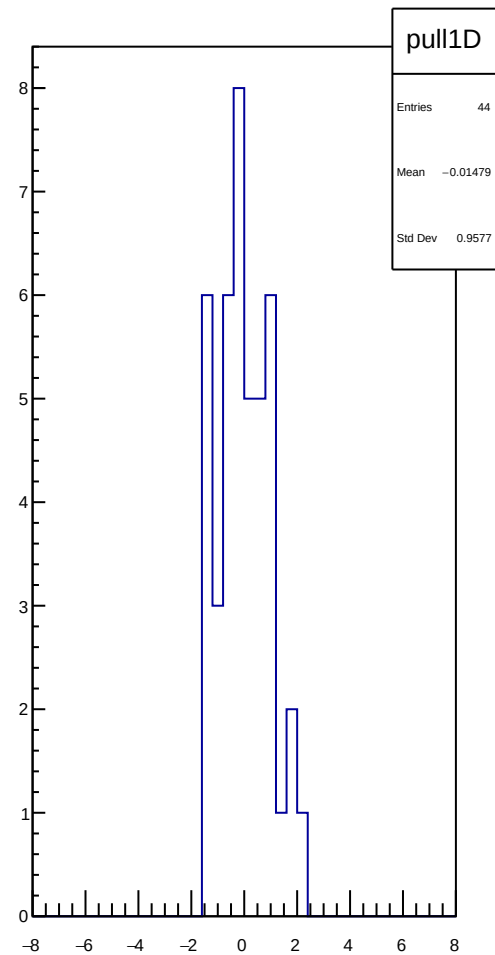
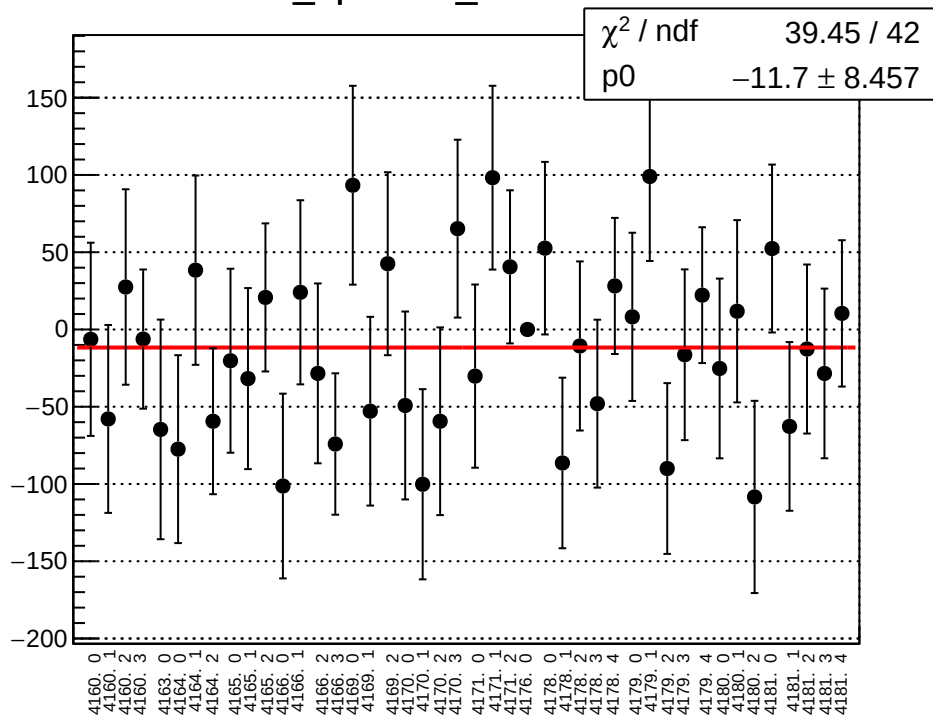


diff\_bpm1Y\_rms vs run

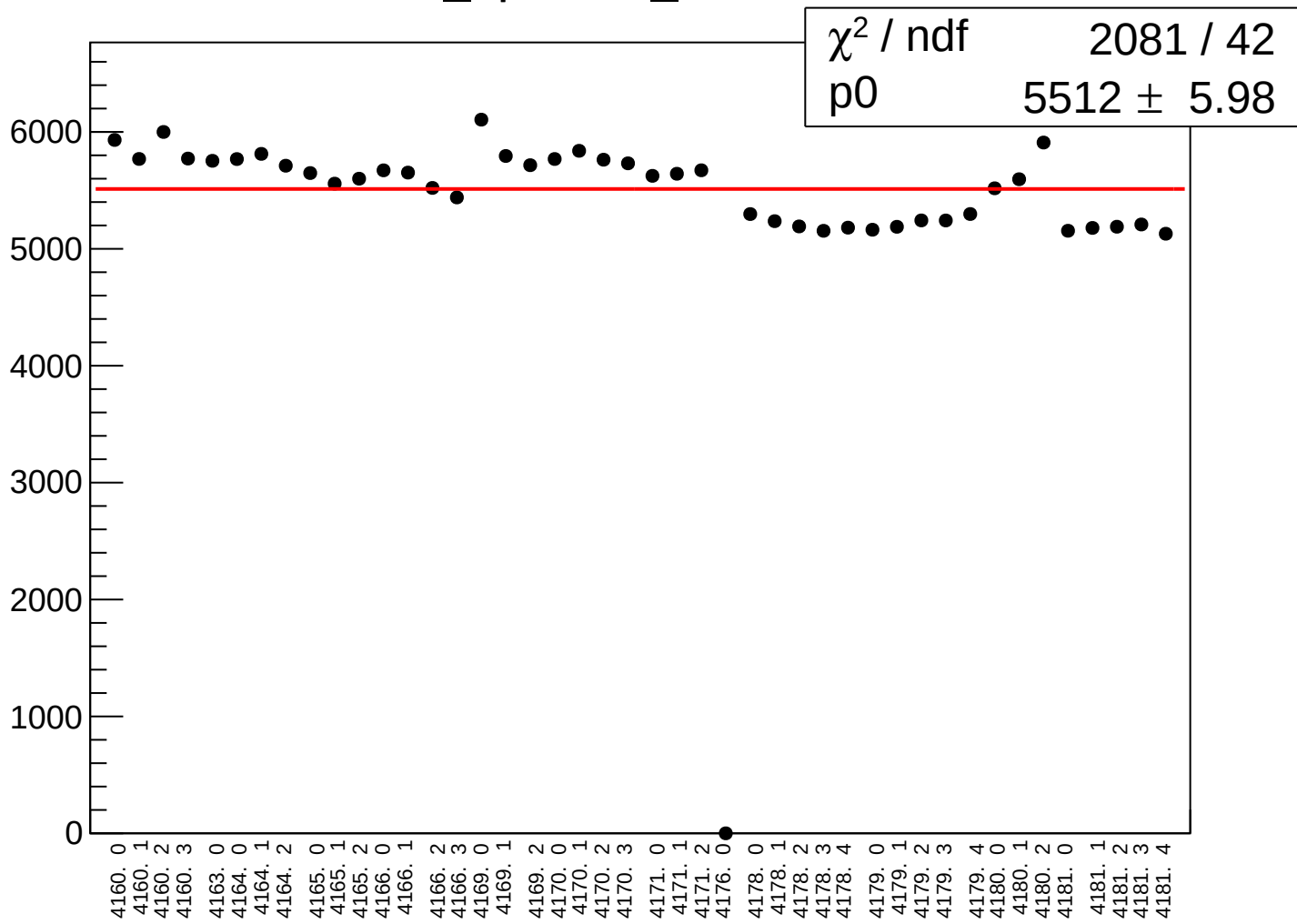




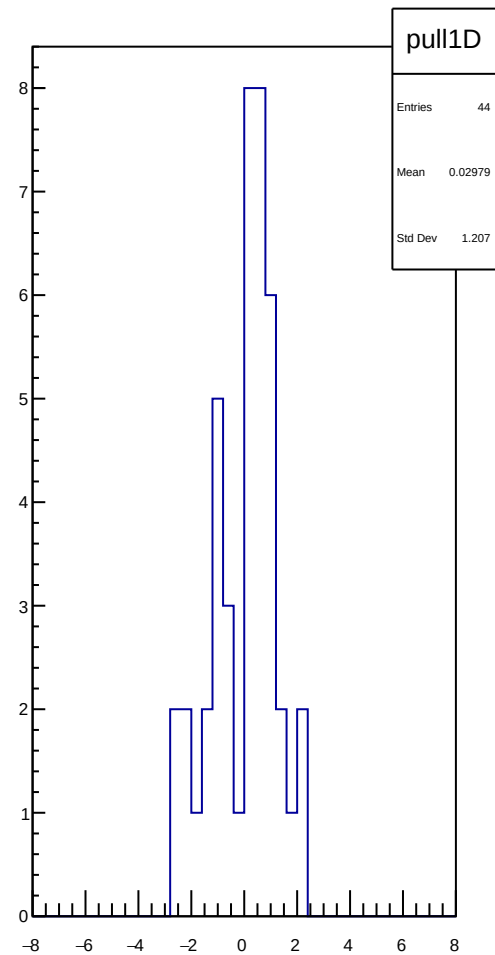
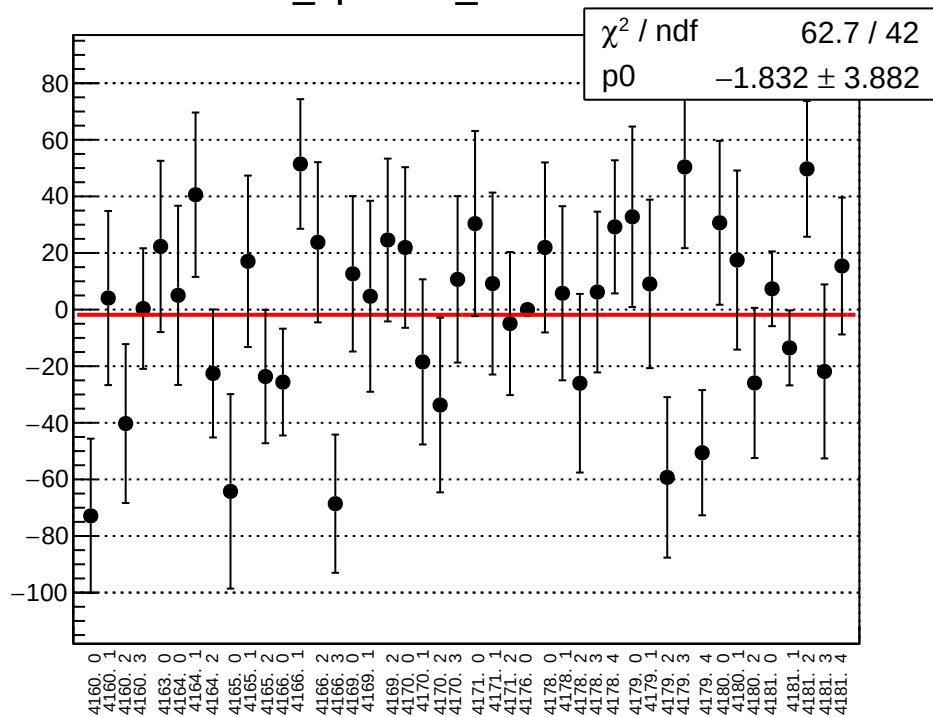
diff\_bpm11X\_mean vs un



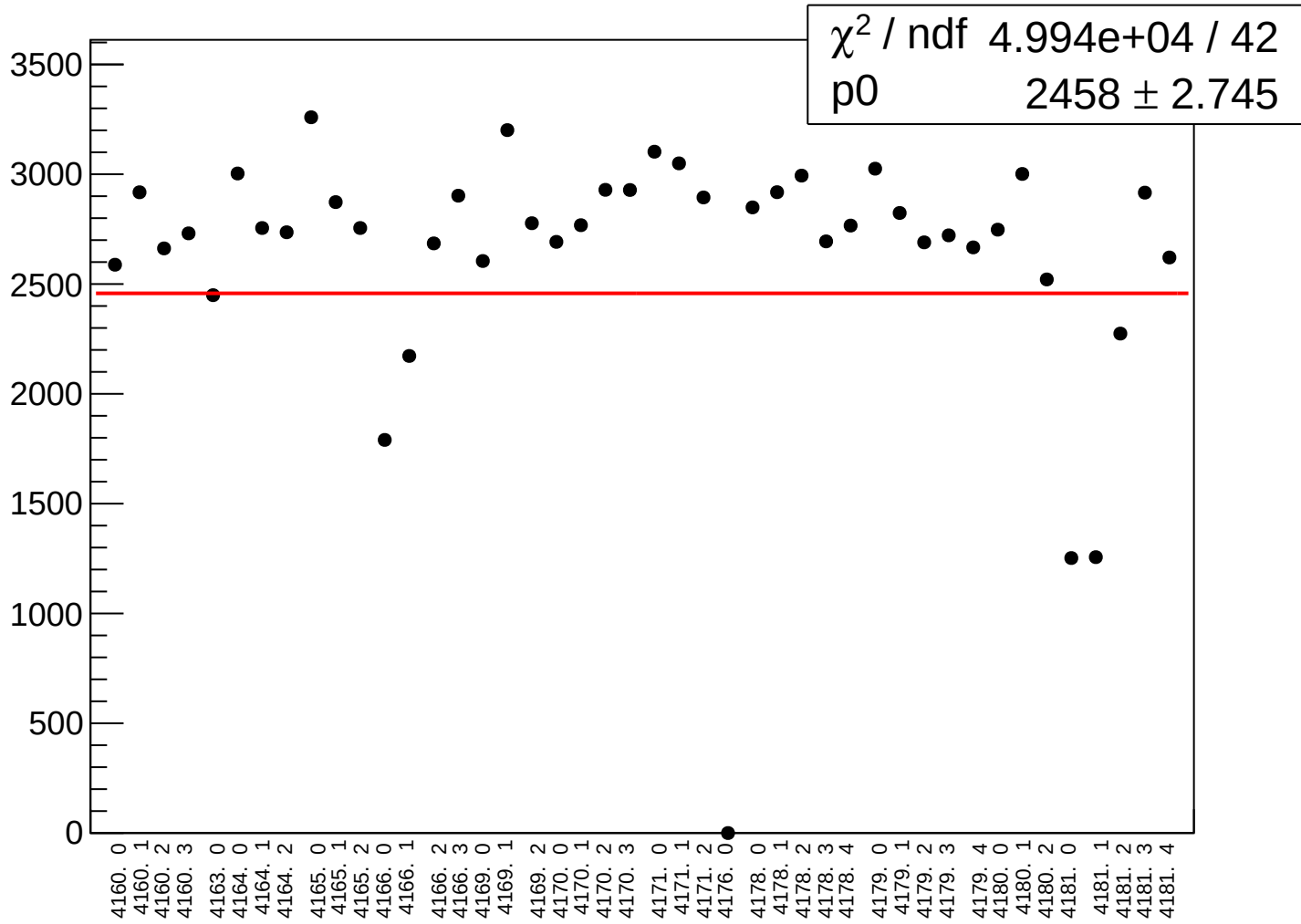
# diff\_bpm11X\_rms vs run



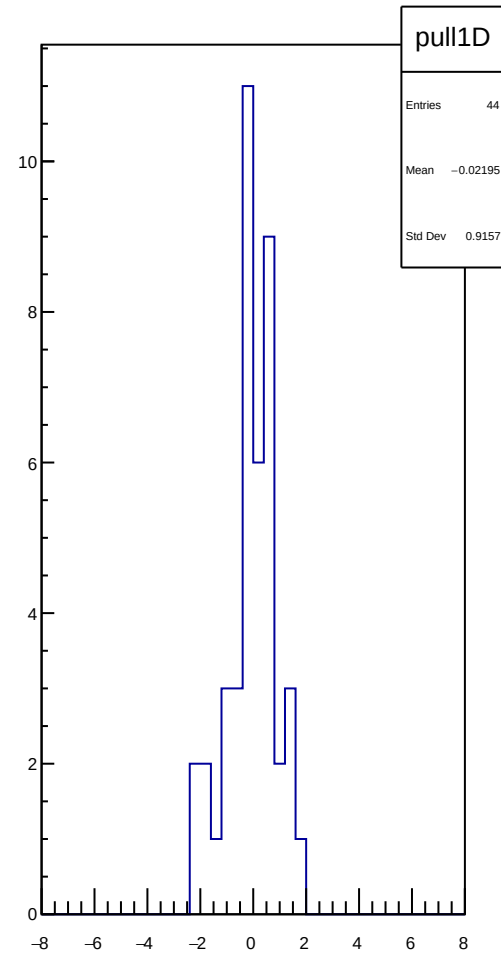
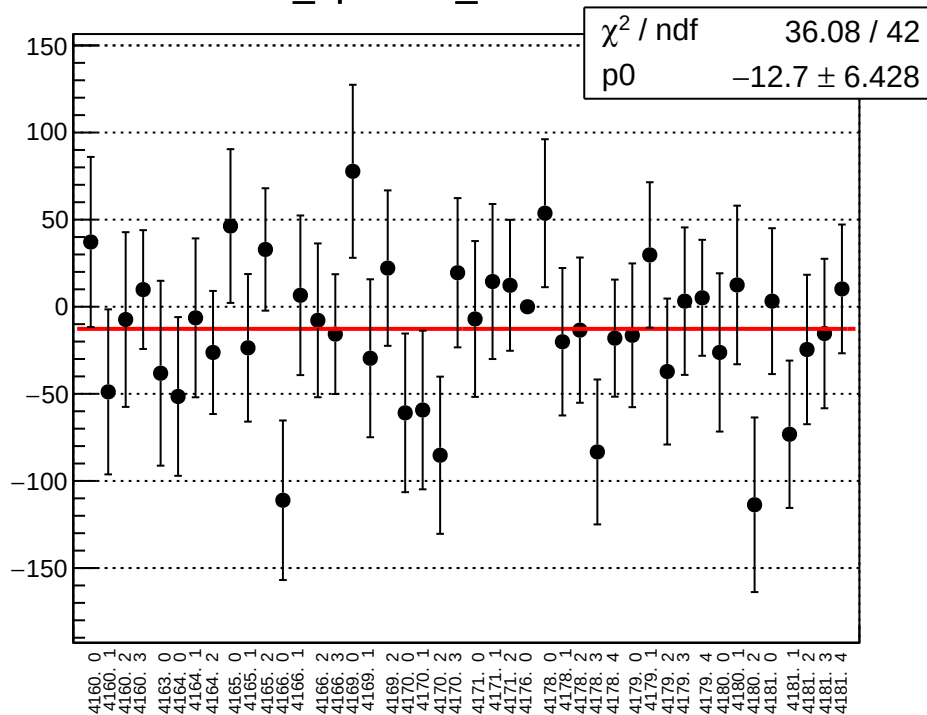
diff\_bpm11Y\_mean vs uen



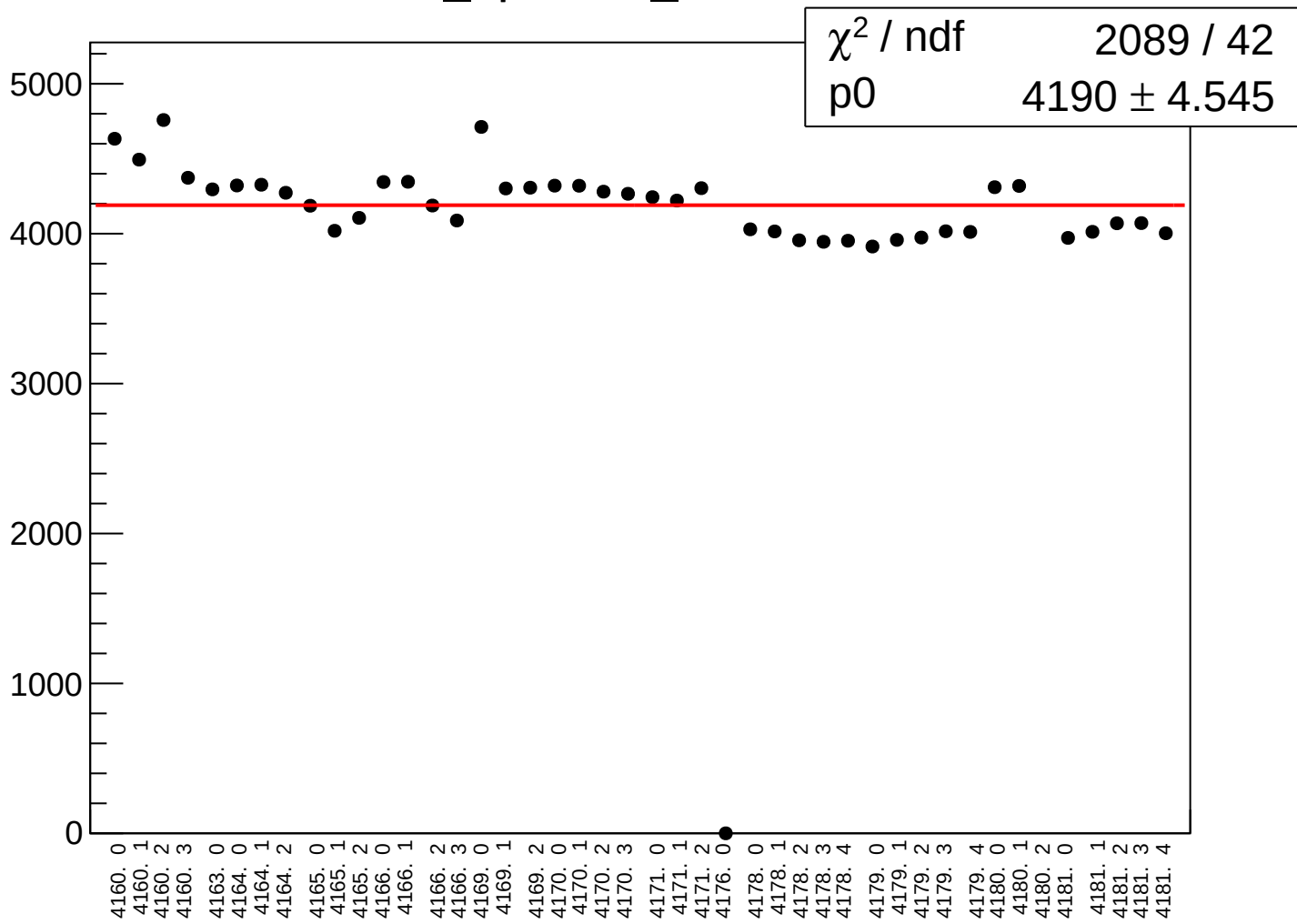
diff\_bpm11Y\_rms vs run



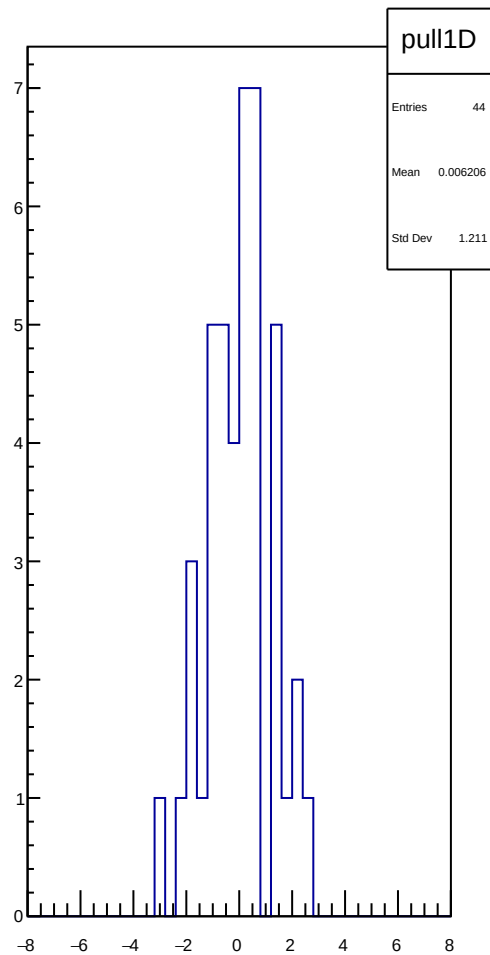
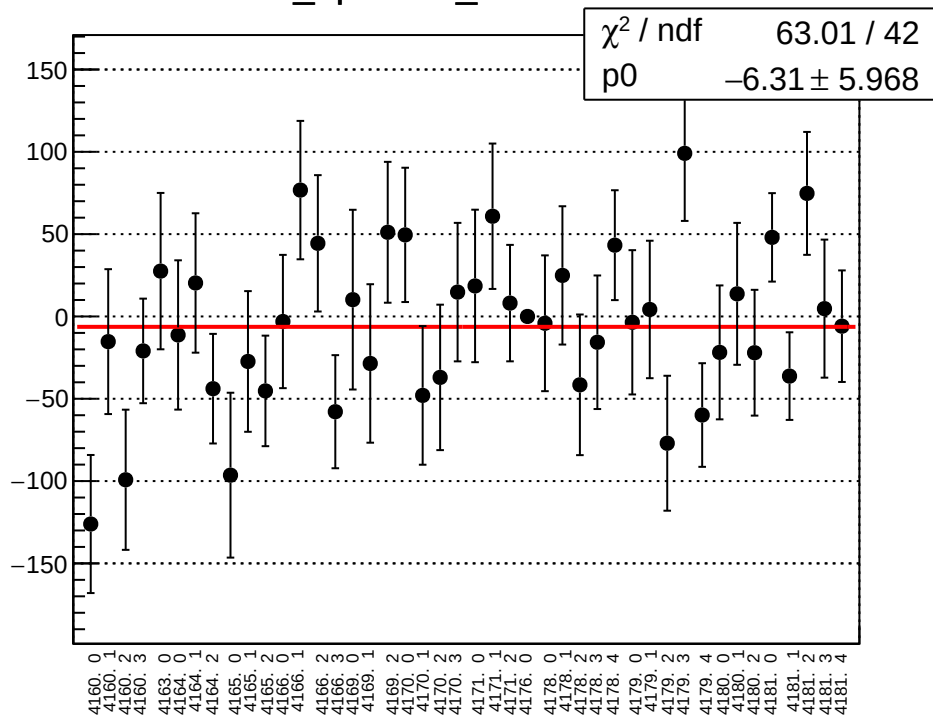
diff\_bpm12X\_mean vs run



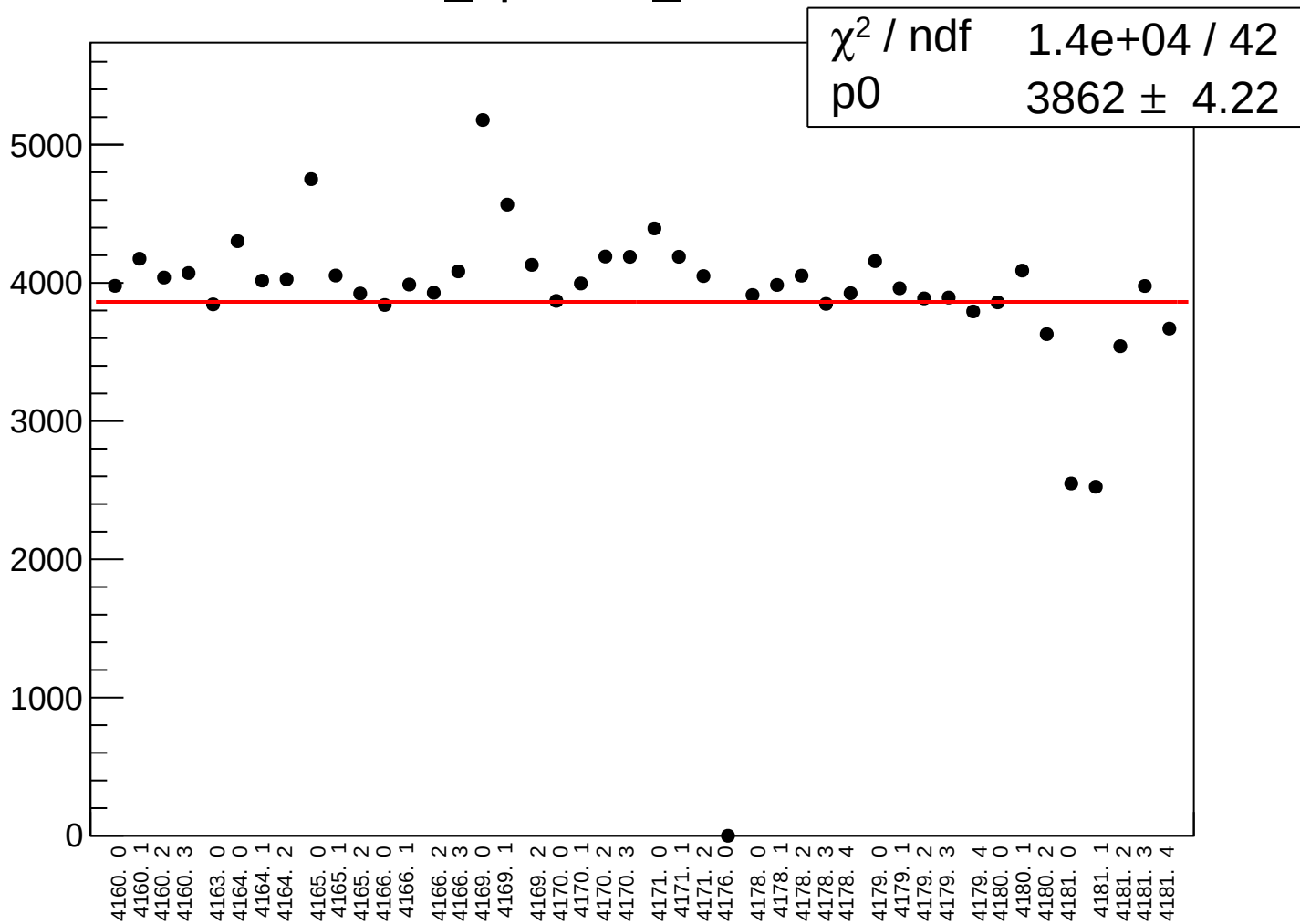
# diff\_bpm12X\_rms vs run



diff\_bpm12Y\_mean vs un

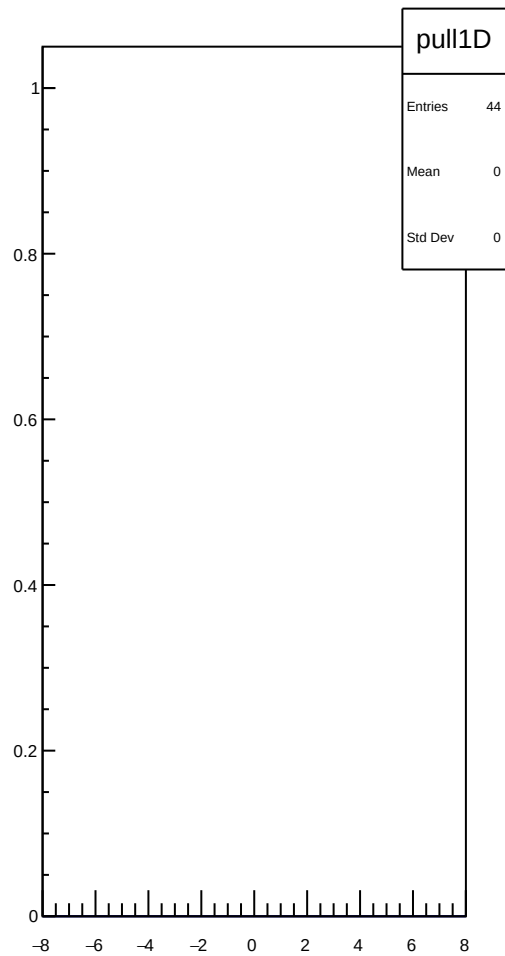
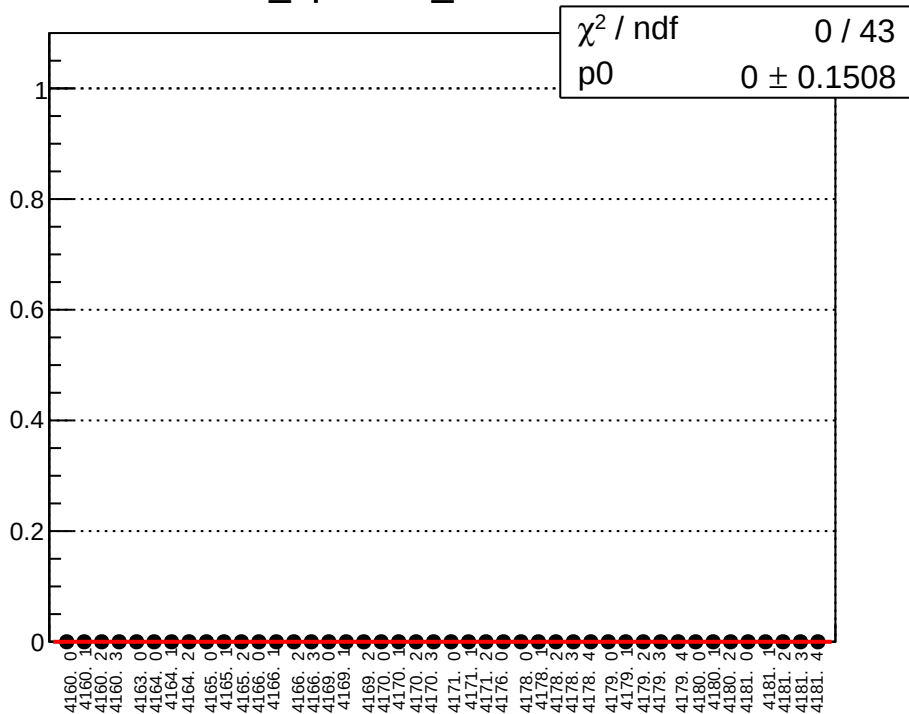


diff\_bpm12Y\_rms vs run

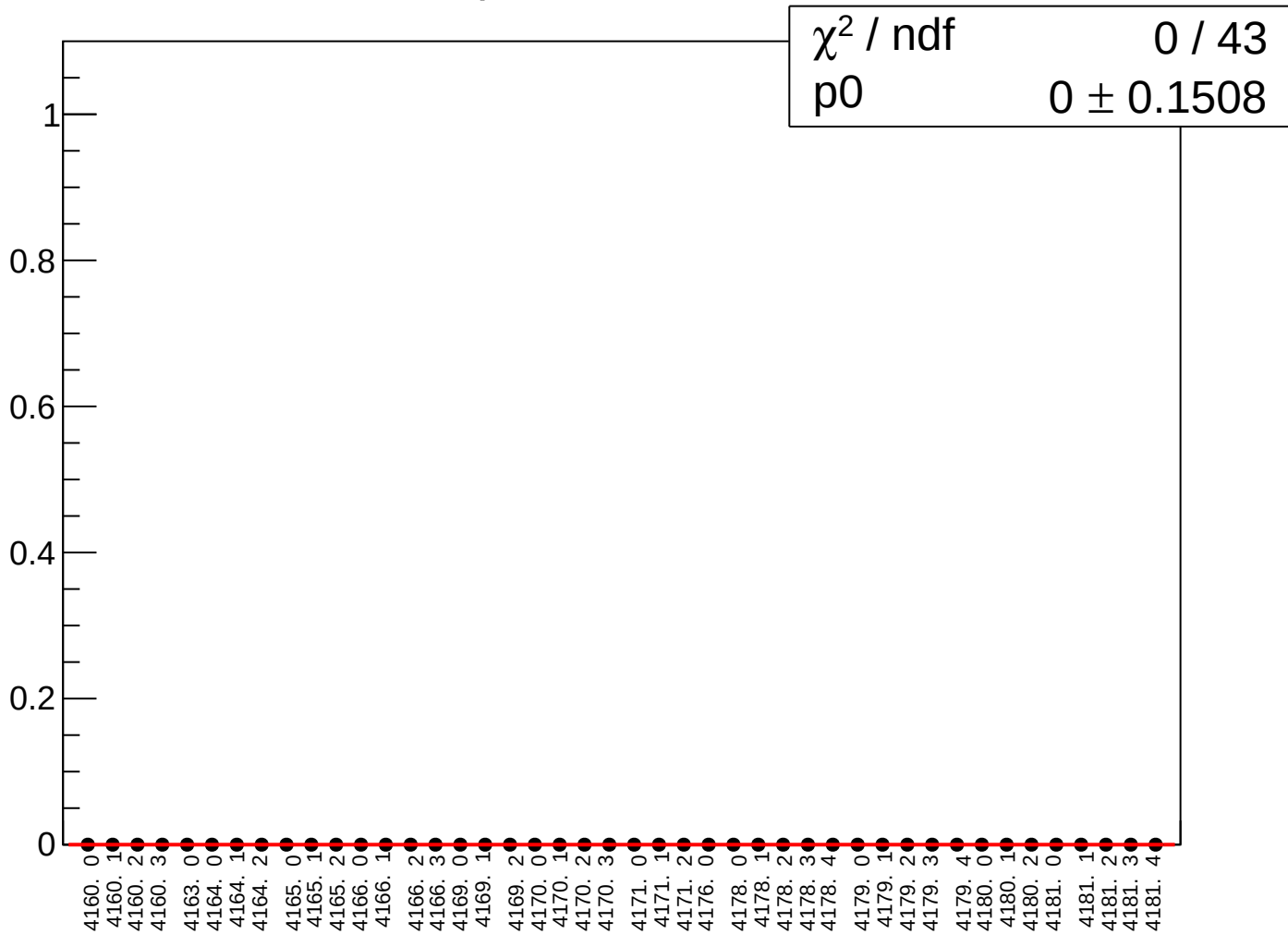




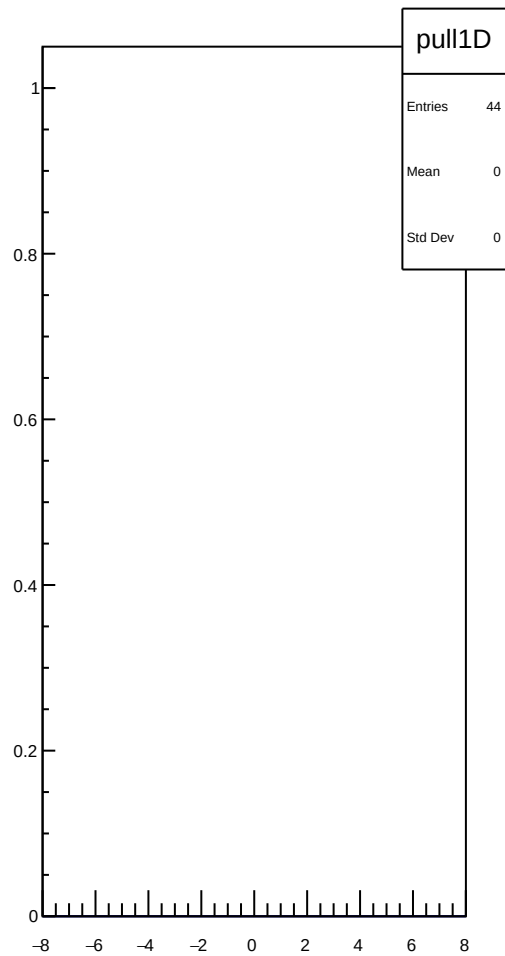
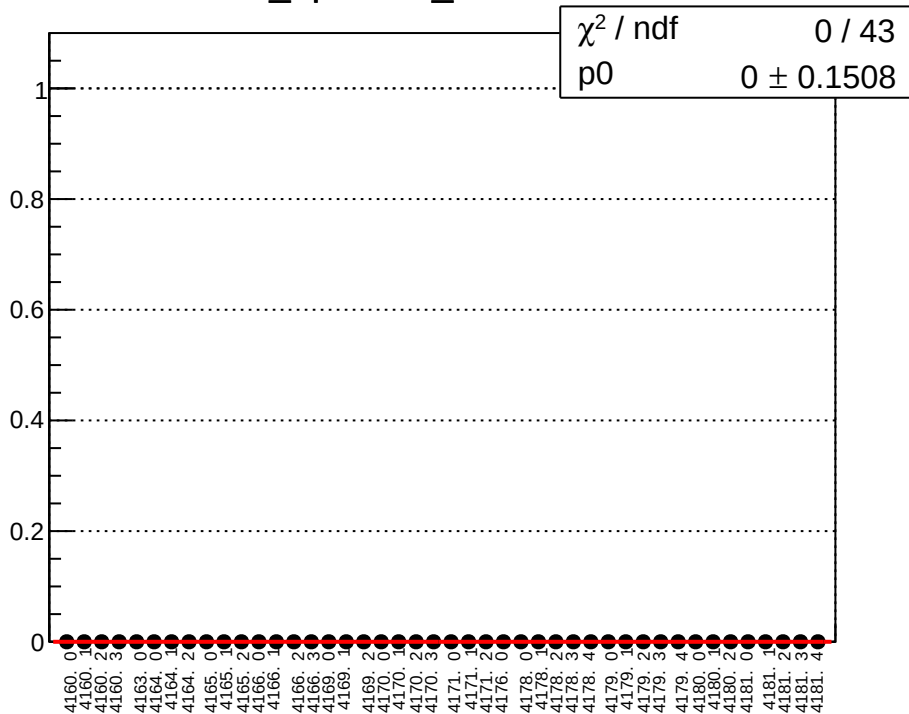
diff\_bpm14X\_mean vs un



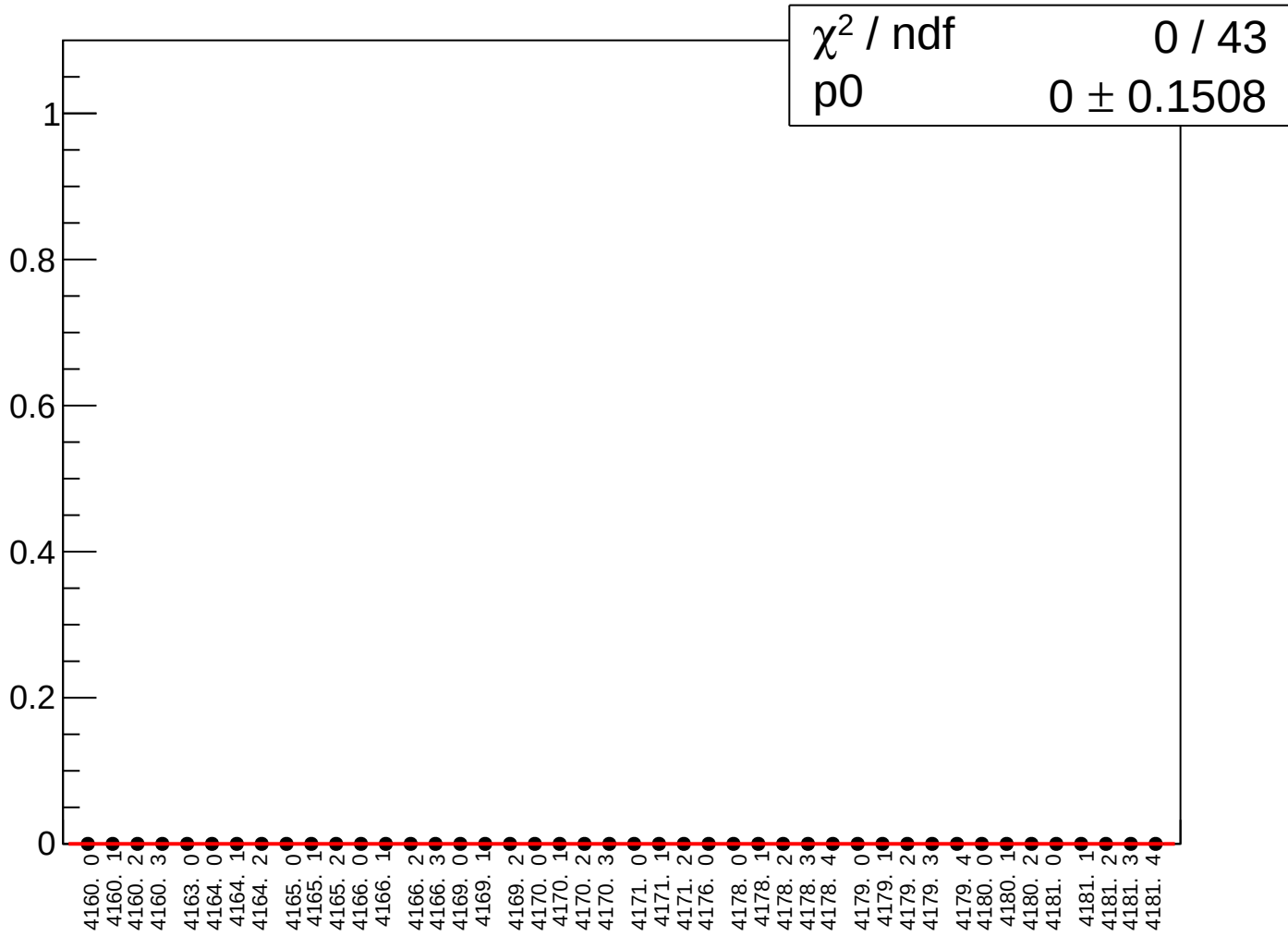
# diff\_bpm14X\_rms vs run



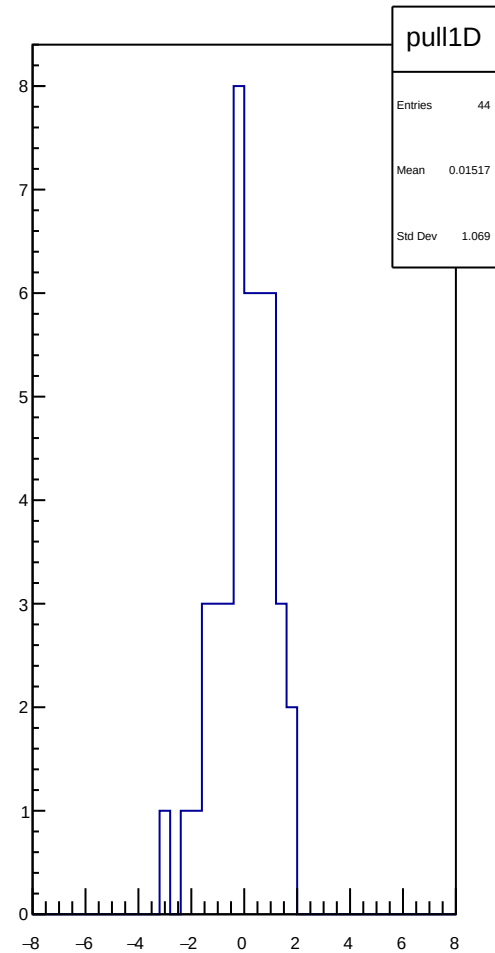
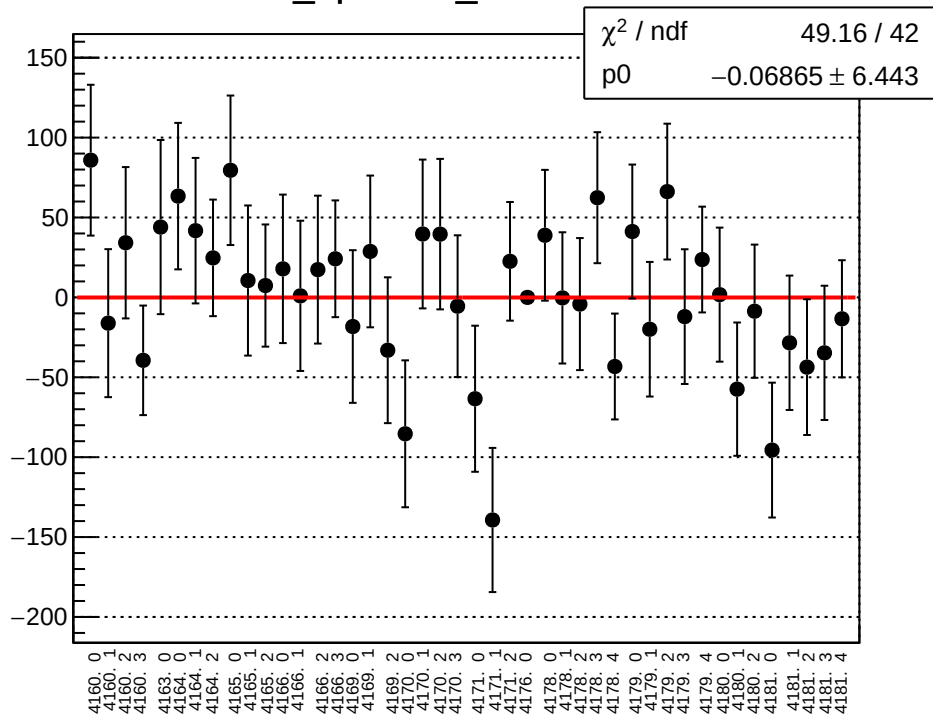
diff\_bpm14Y\_mean vs un



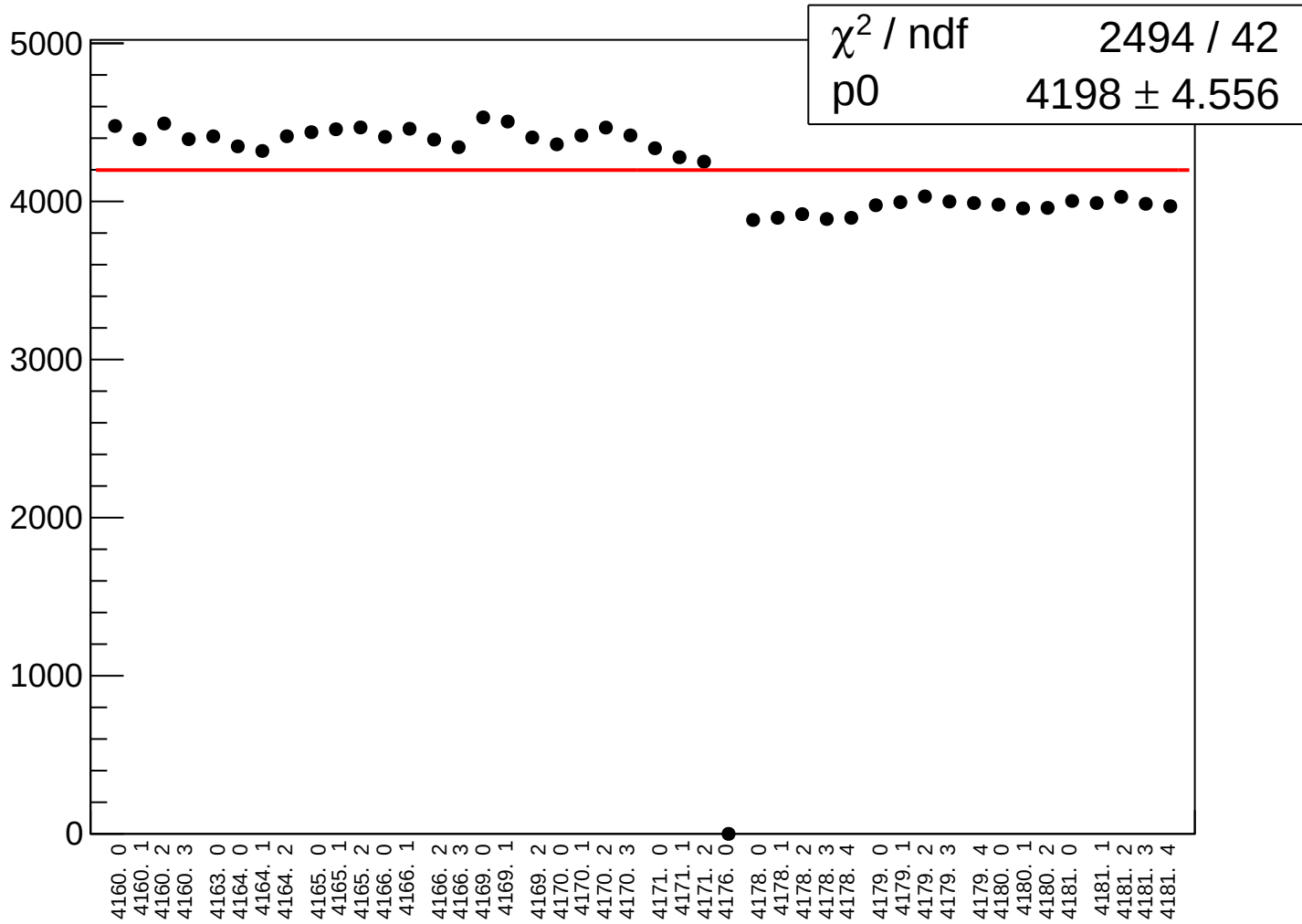
# diff\_bpm14Y\_rms vs run



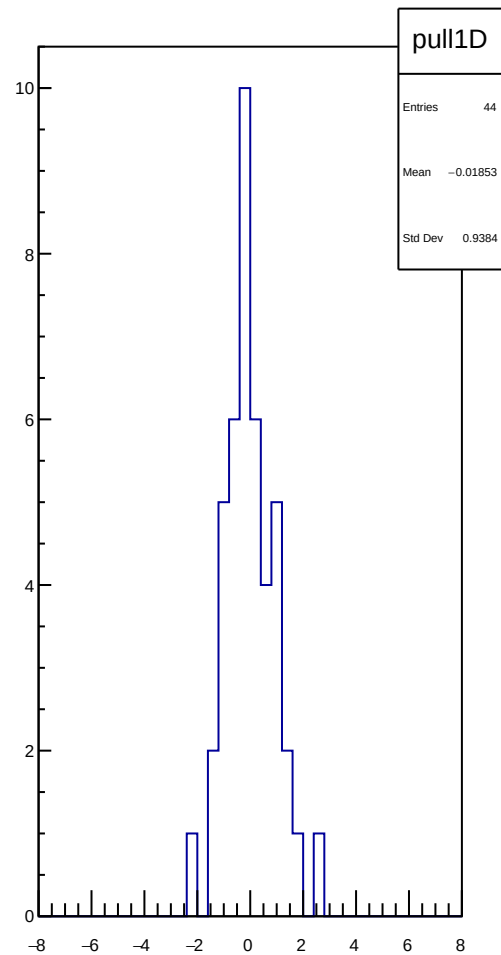
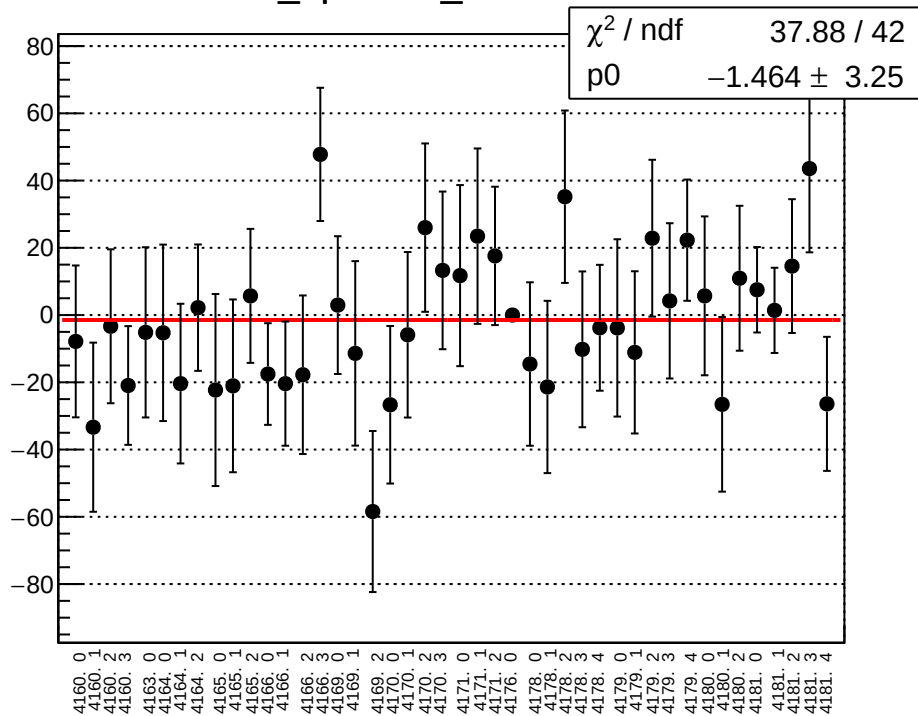
diff\_bpm16X\_mean vs run



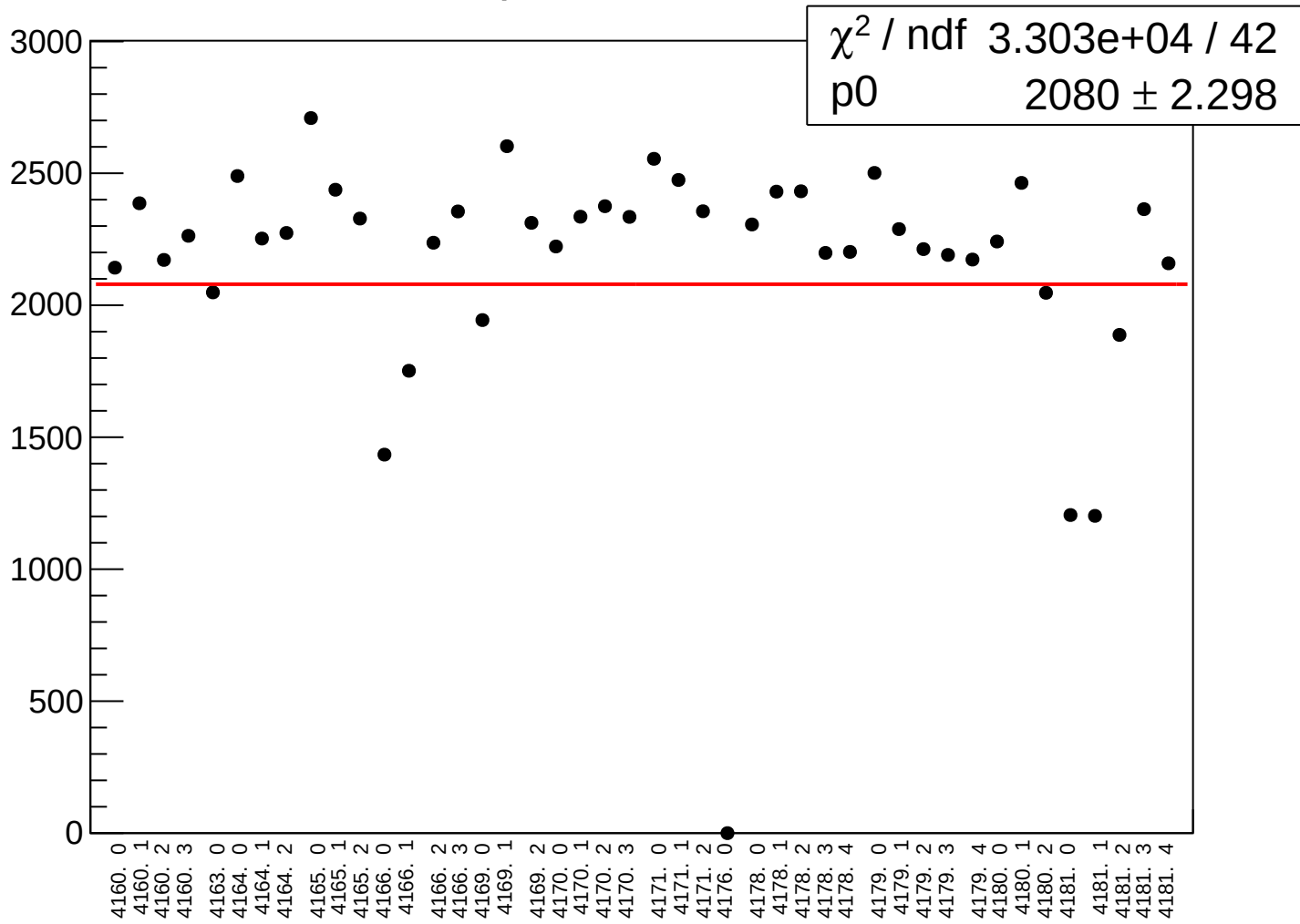
# diff\_bpm16X\_rms vs run



diff\_bpm16Y\_mean vs run

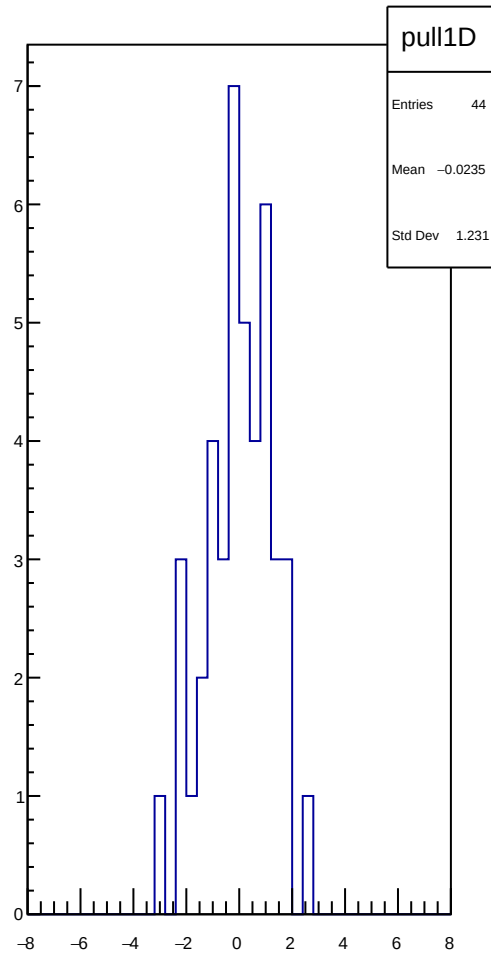
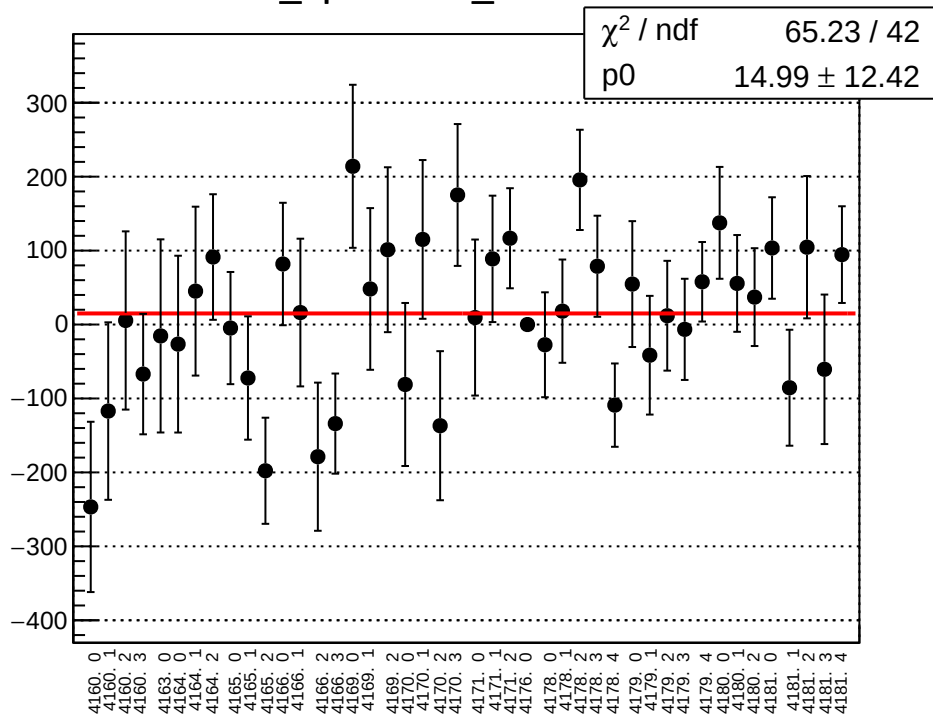


diff\_bpm16Y\_rms vs run

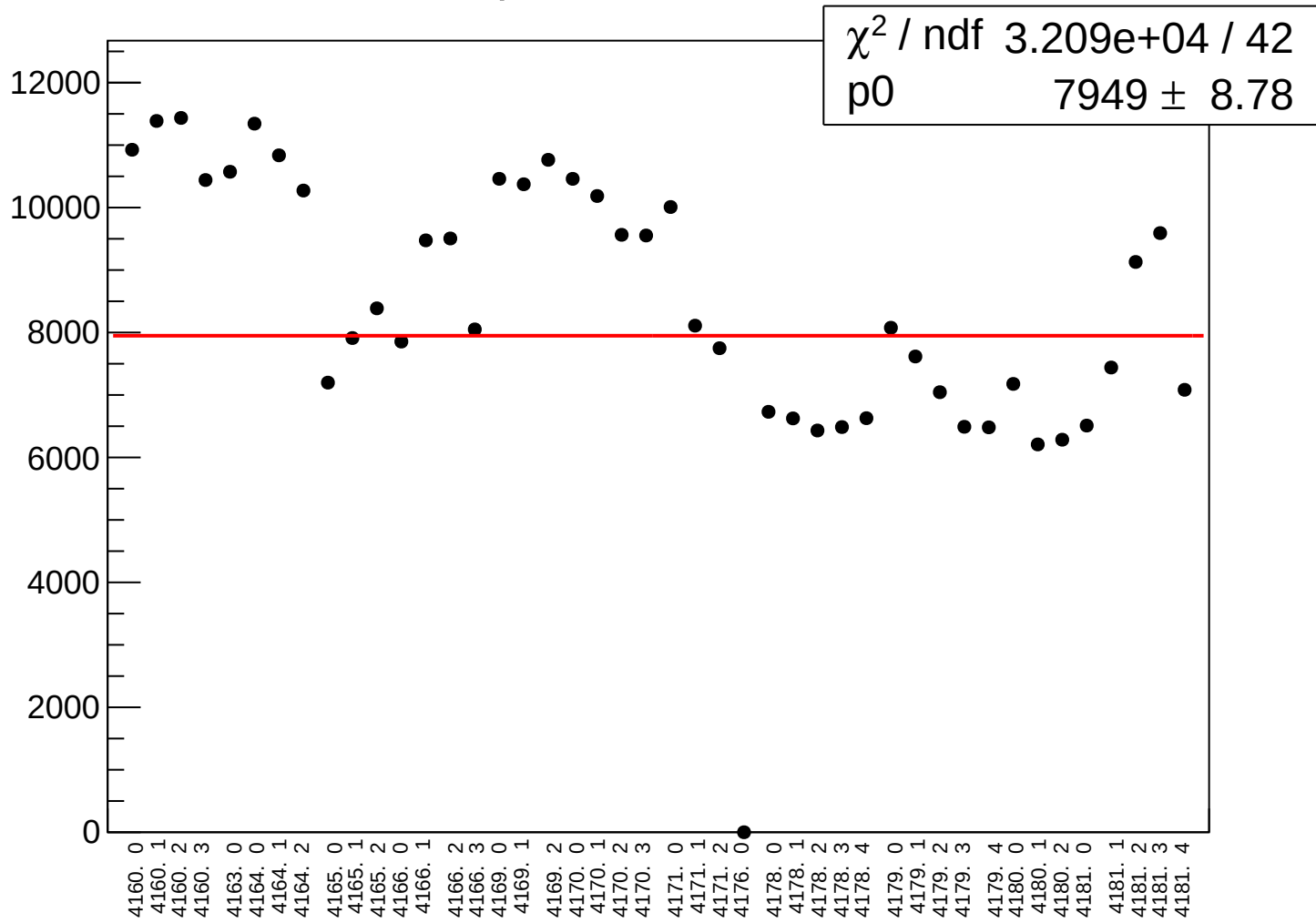




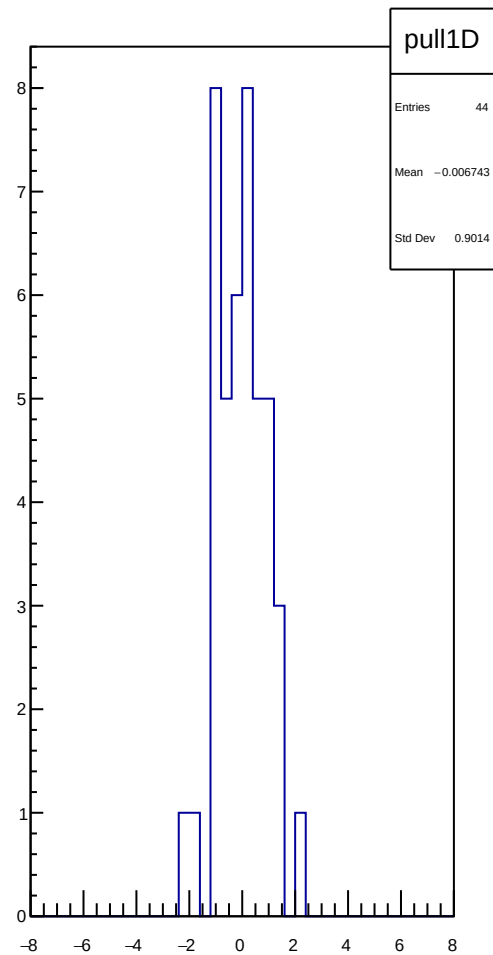
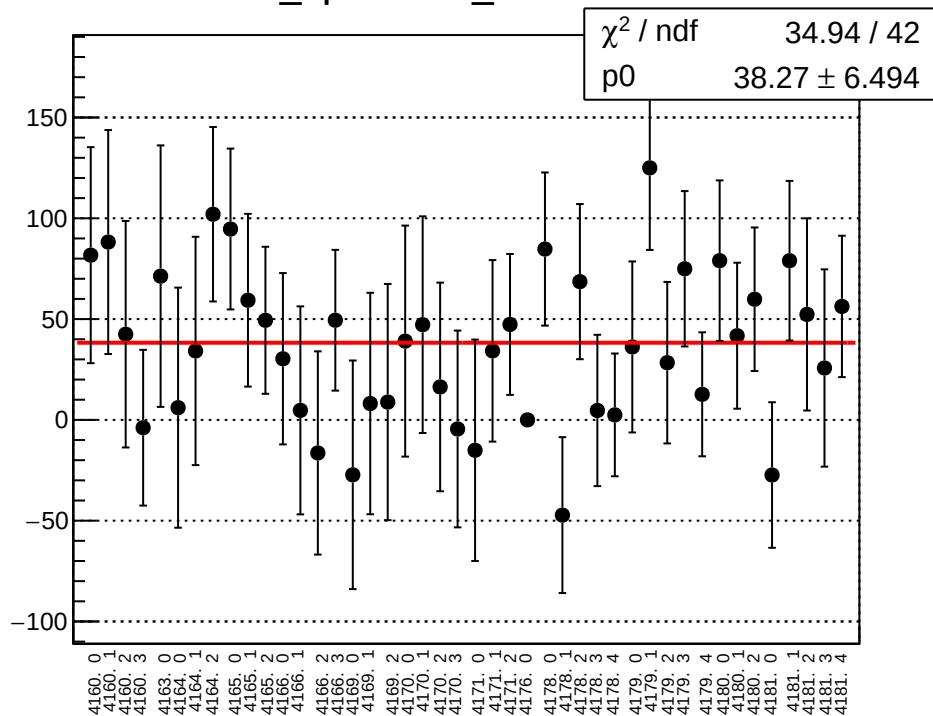
diff\_bpm0l01X\_mean vs run



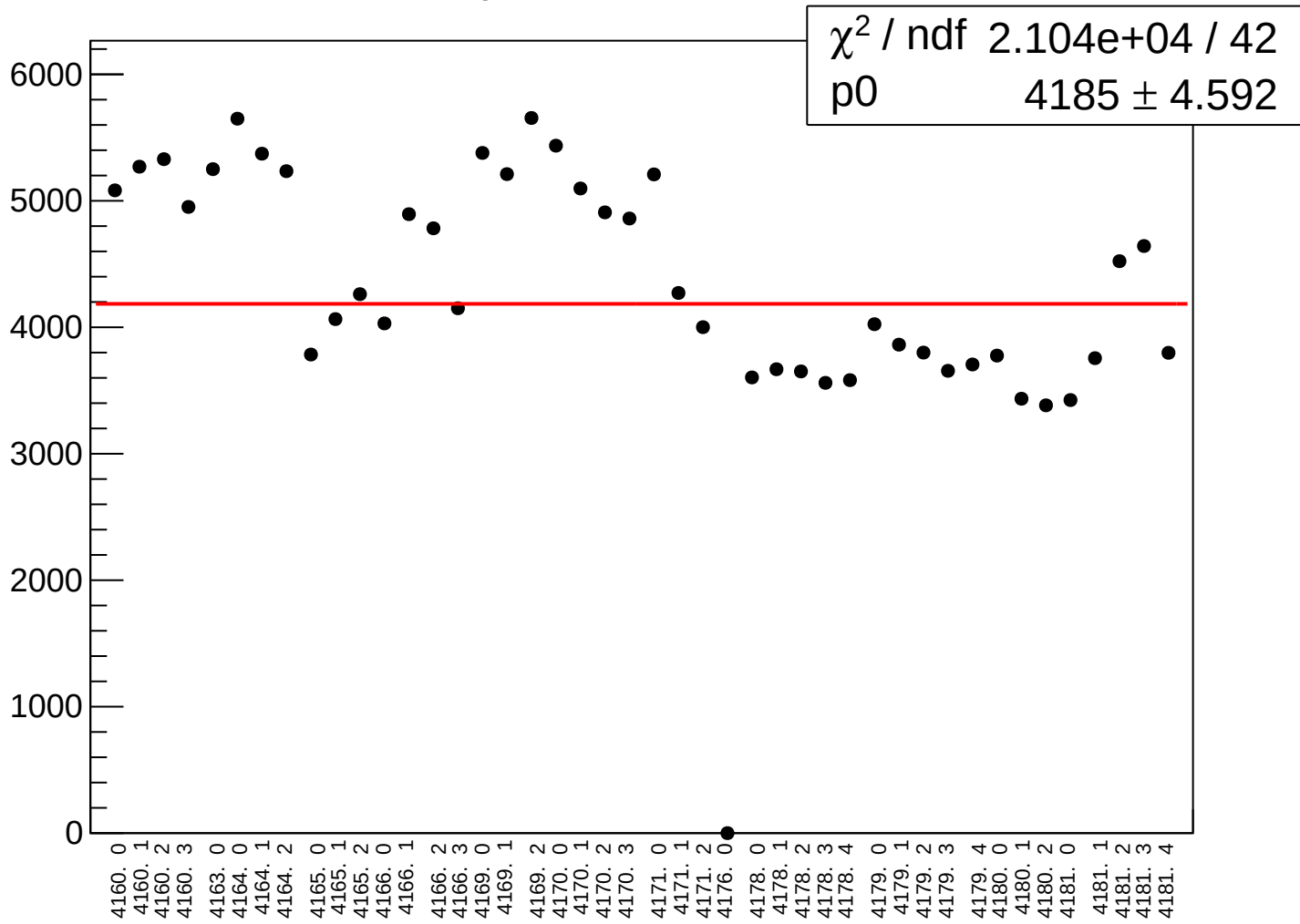
diff\_bpm0l01X\_rms vs run



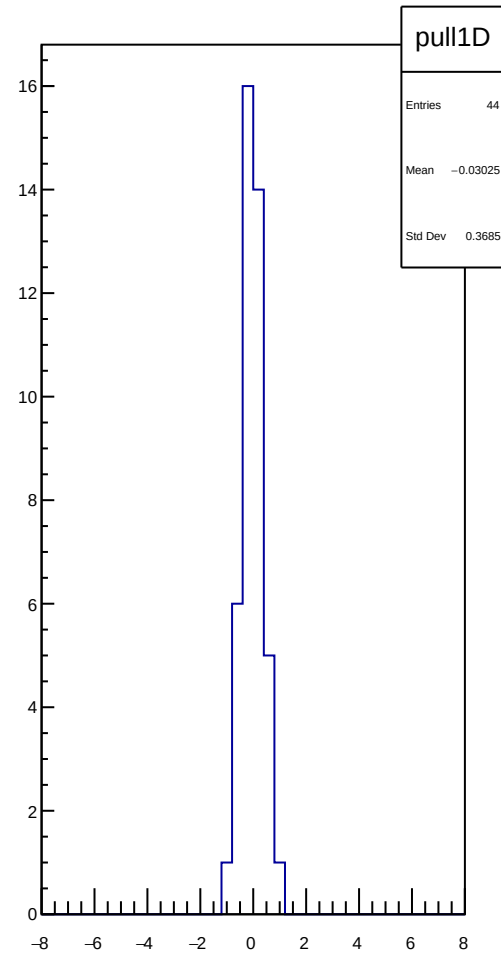
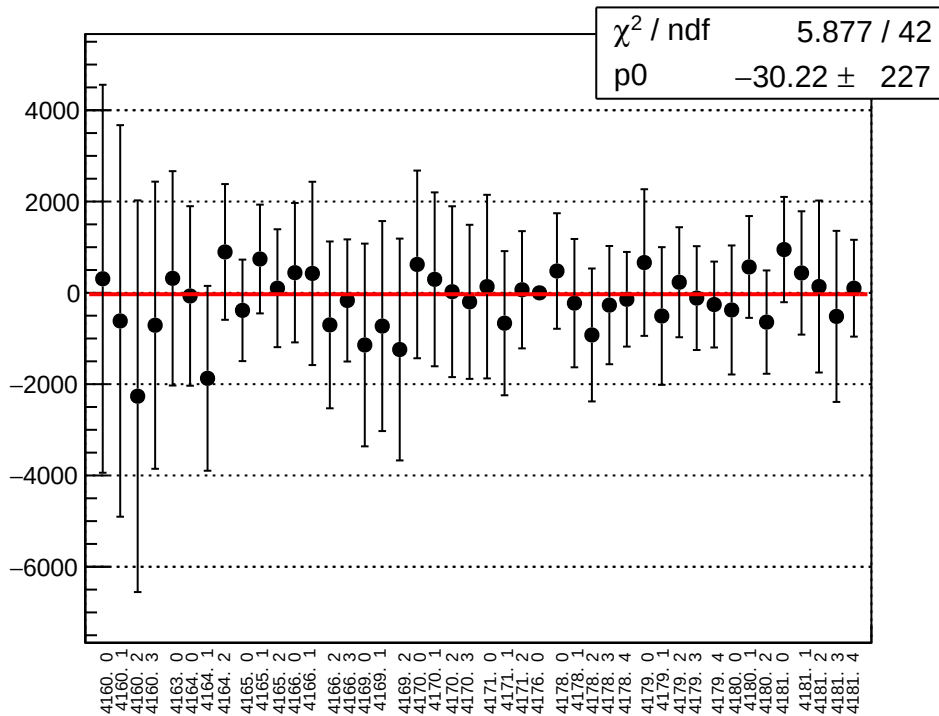
diff\_bpm0l01Y\_mean vs run



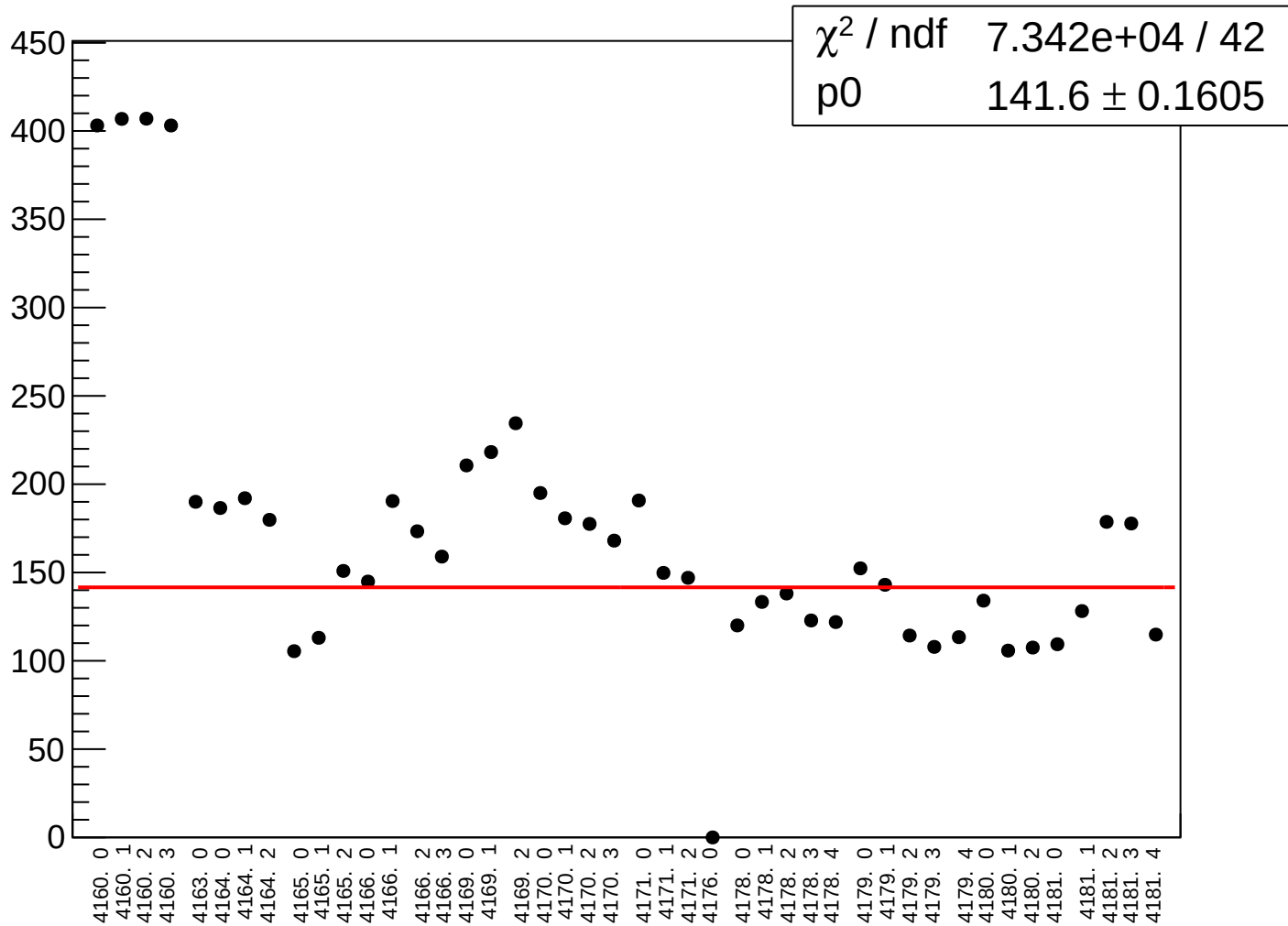
diff\_bpm0l01Y\_rms vs run



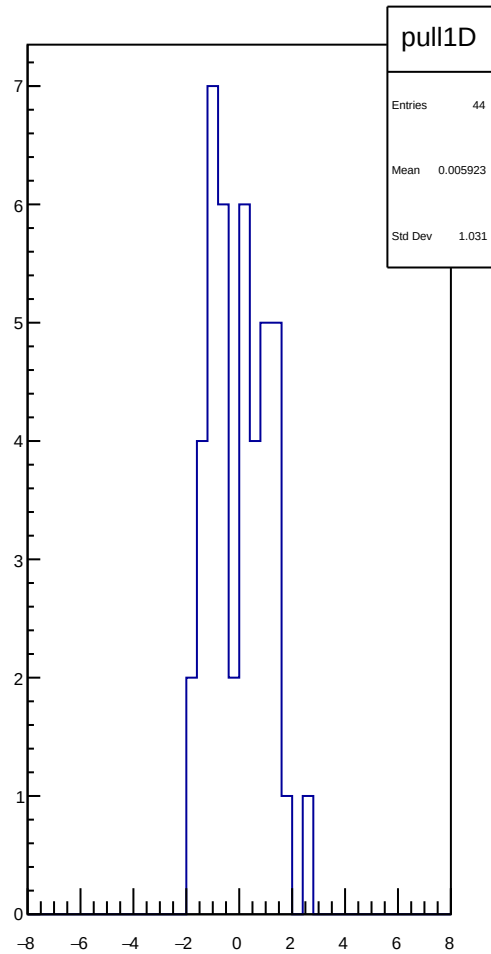
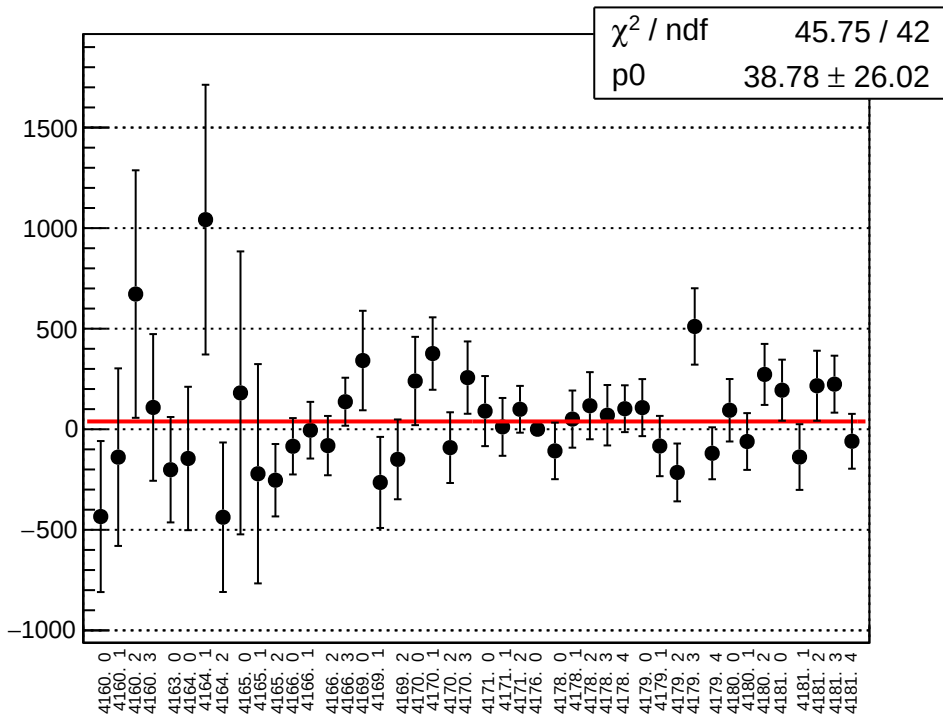
asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



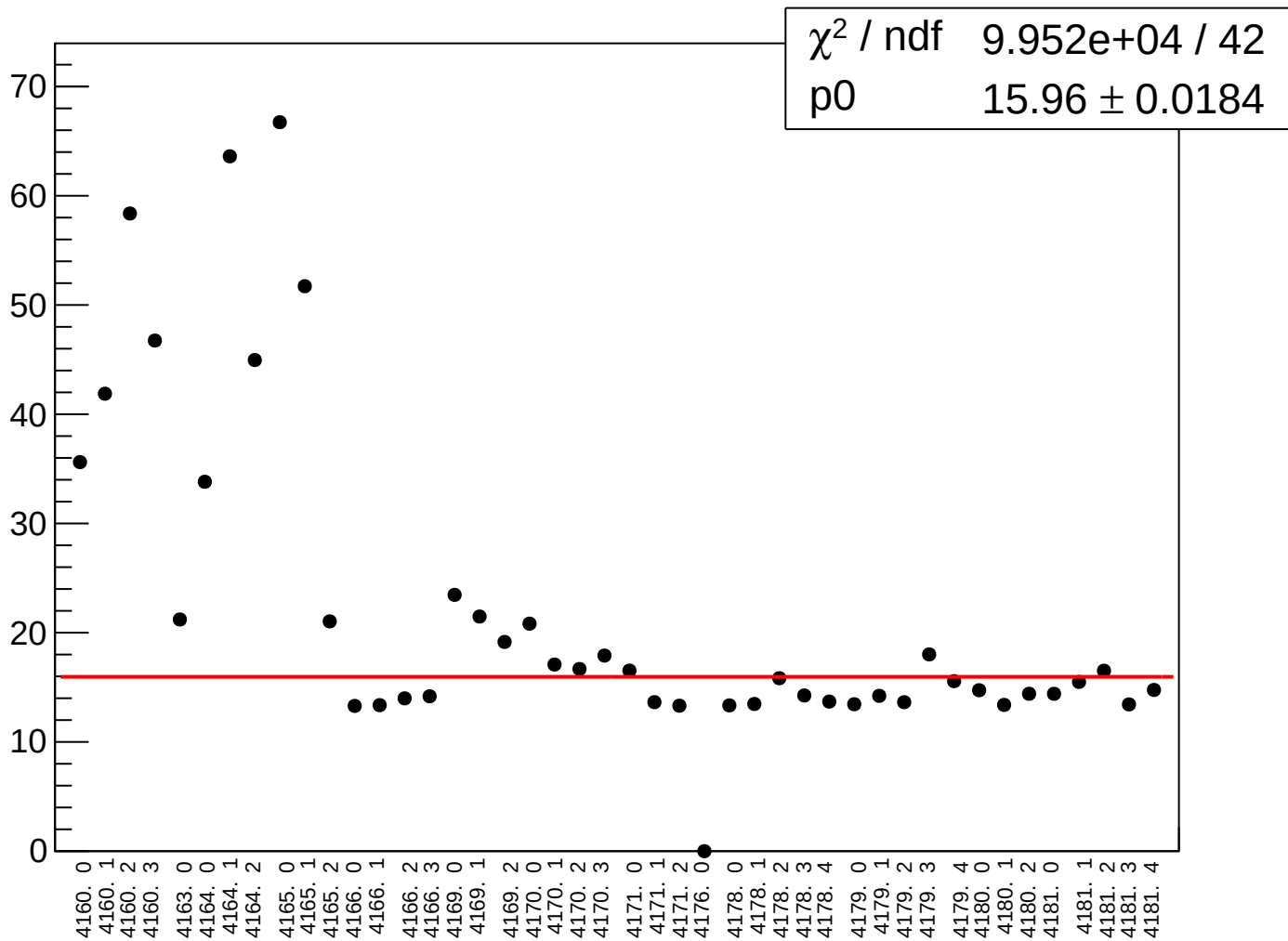
asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_rms vs run



asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run

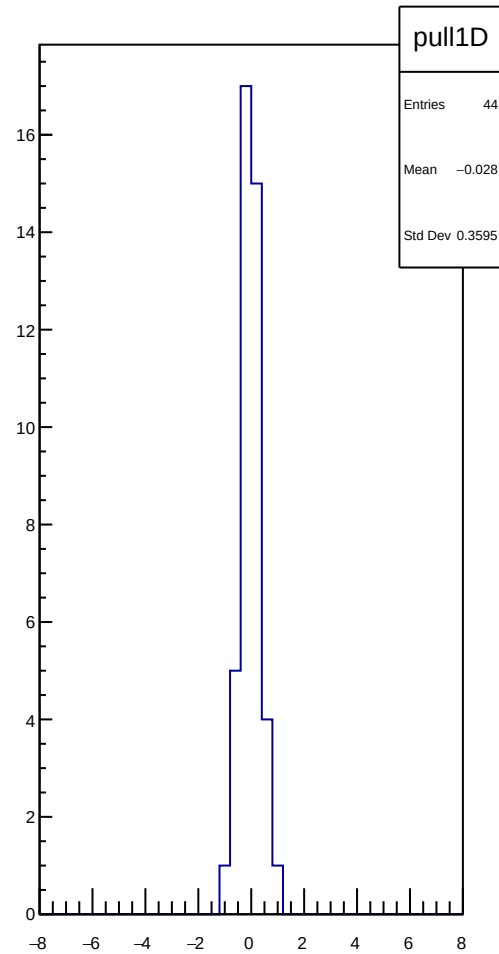
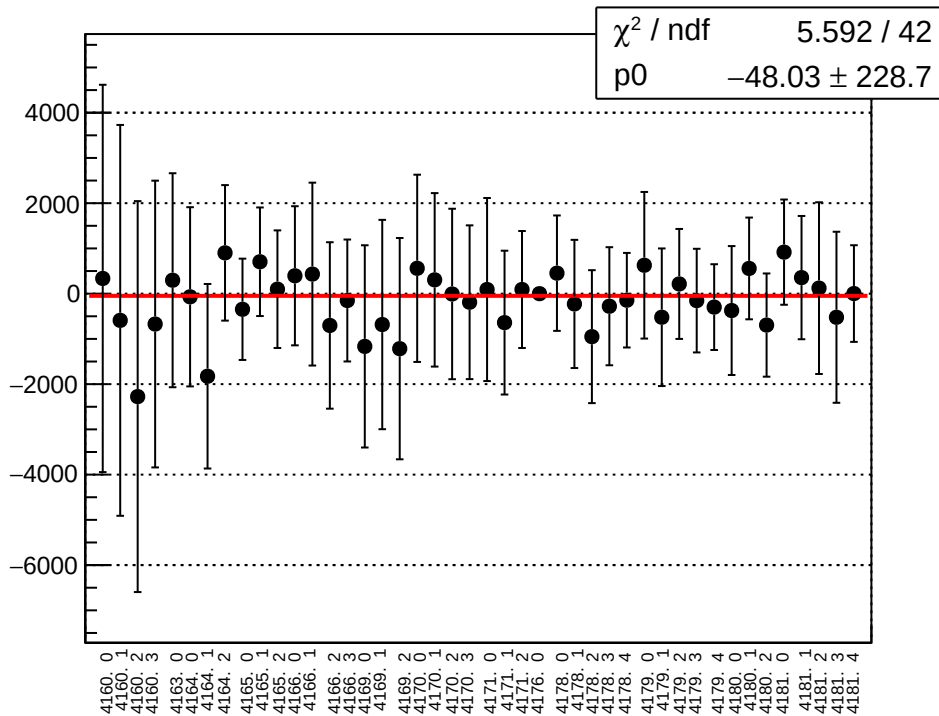


asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run

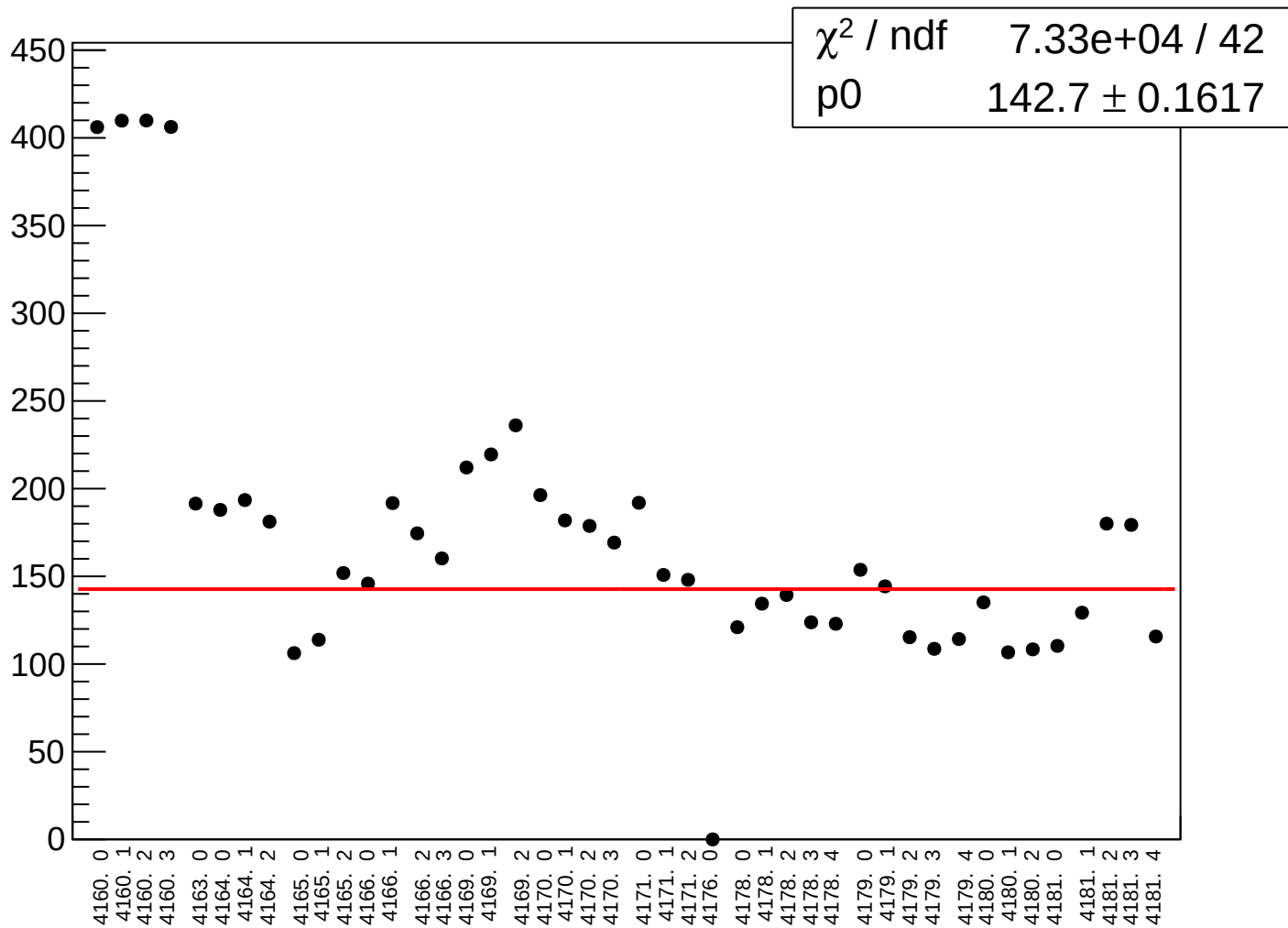




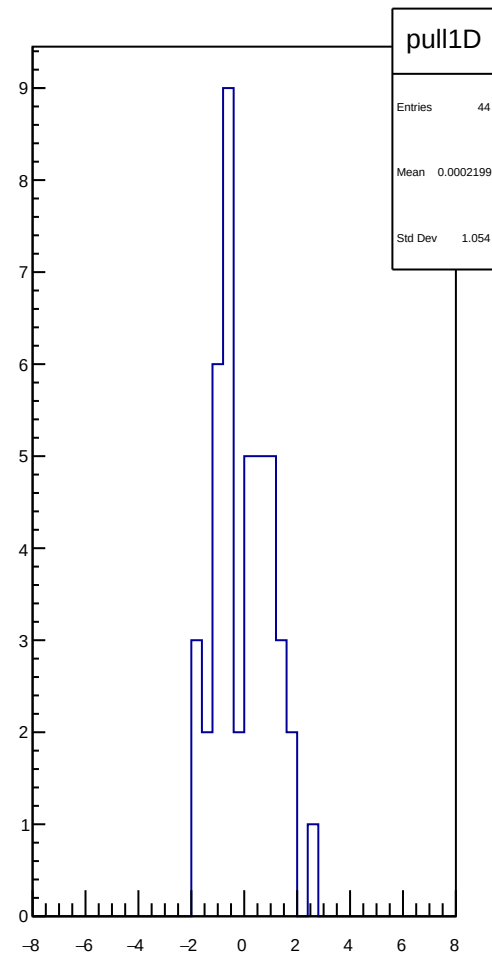
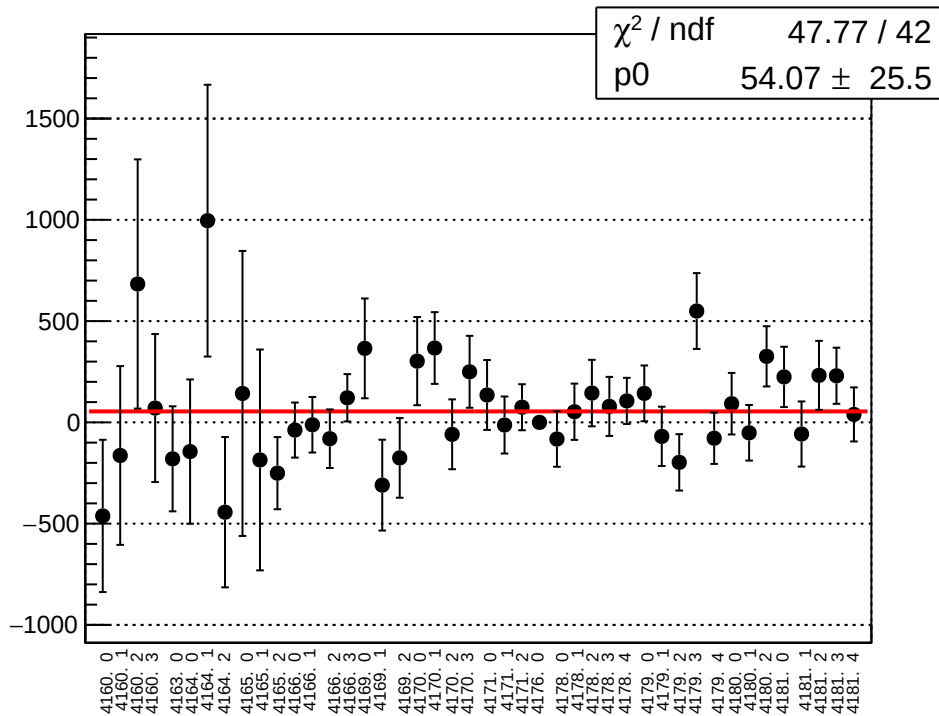
asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_mean vs run



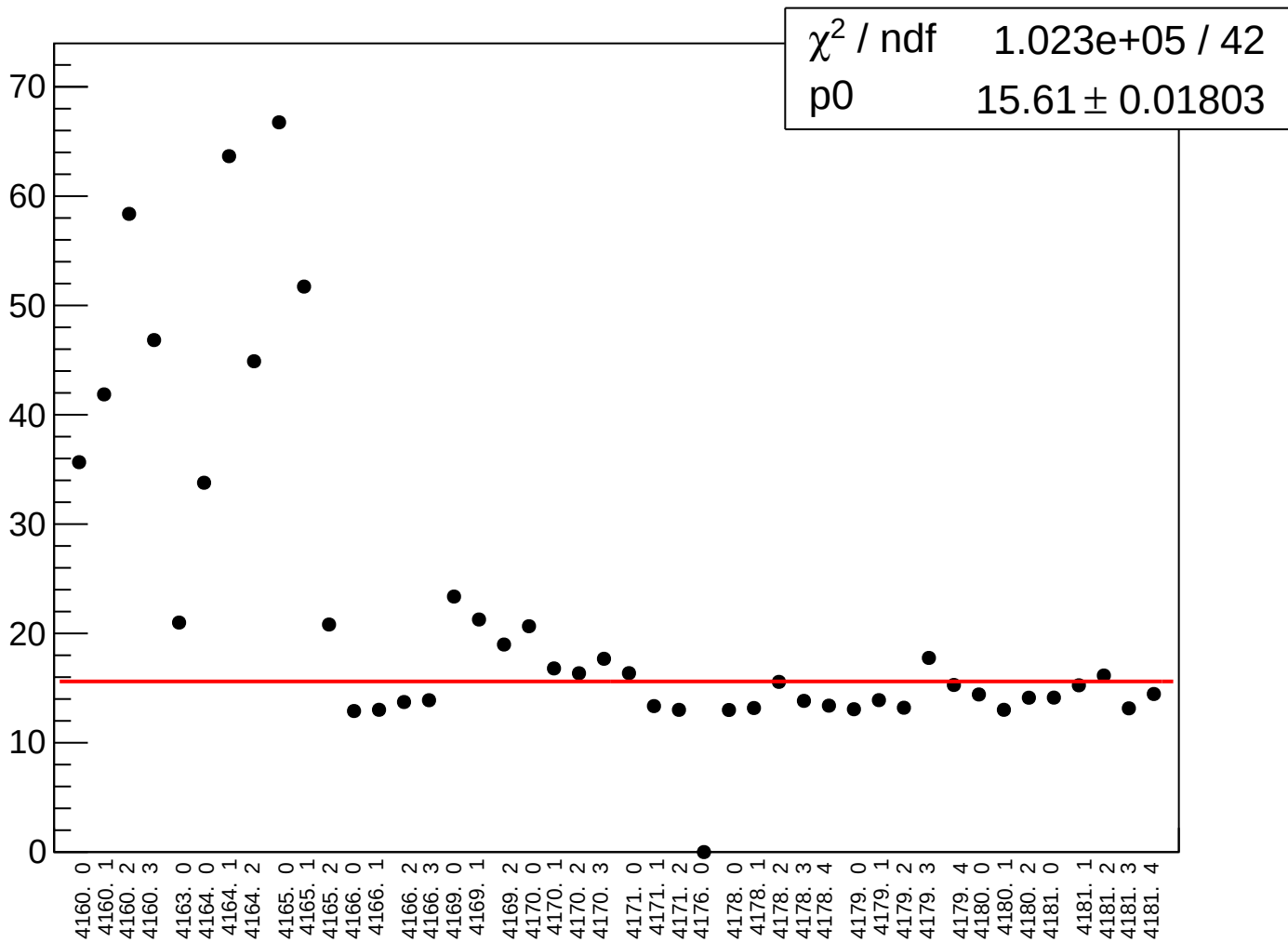
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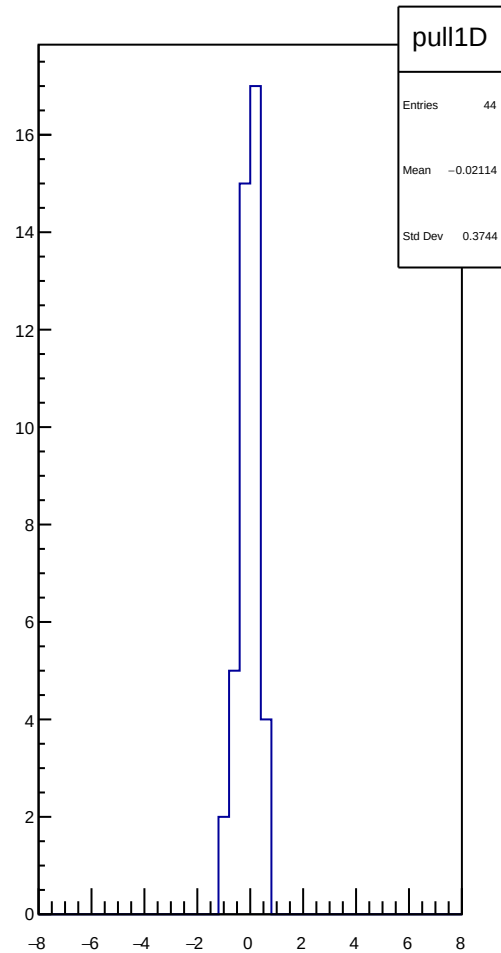
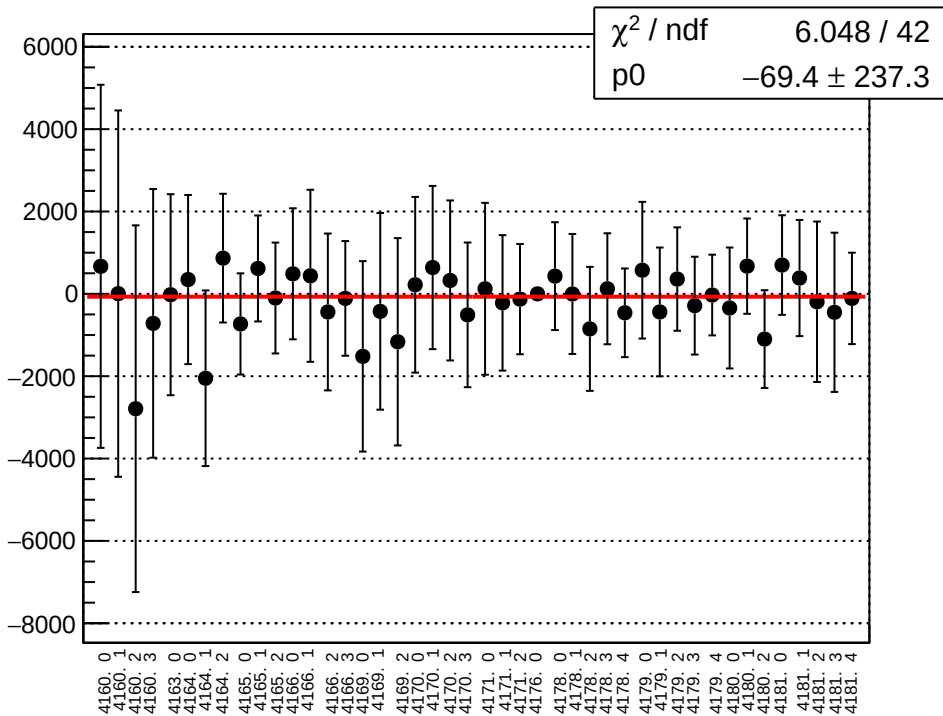
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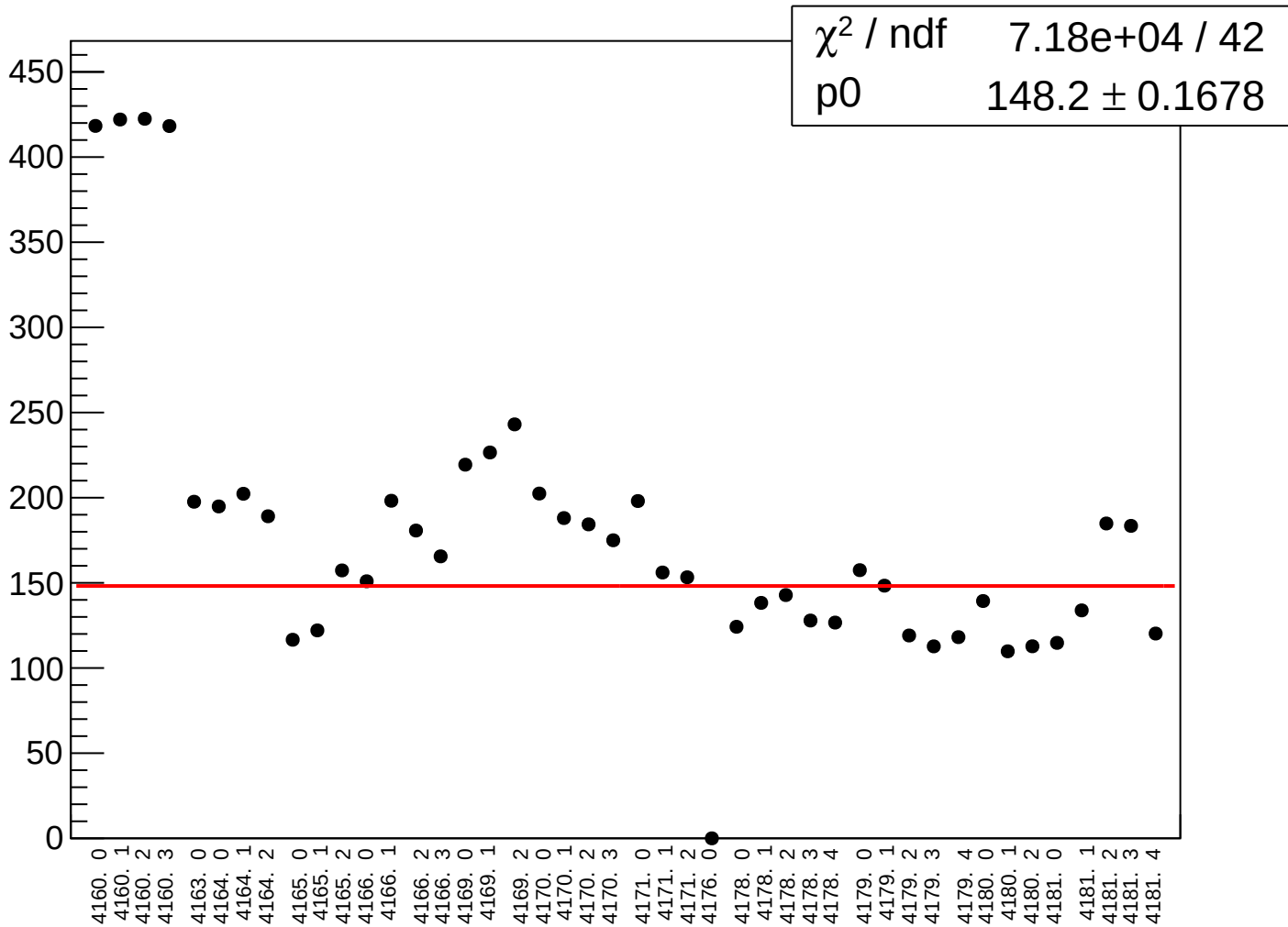
asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_rms vs run



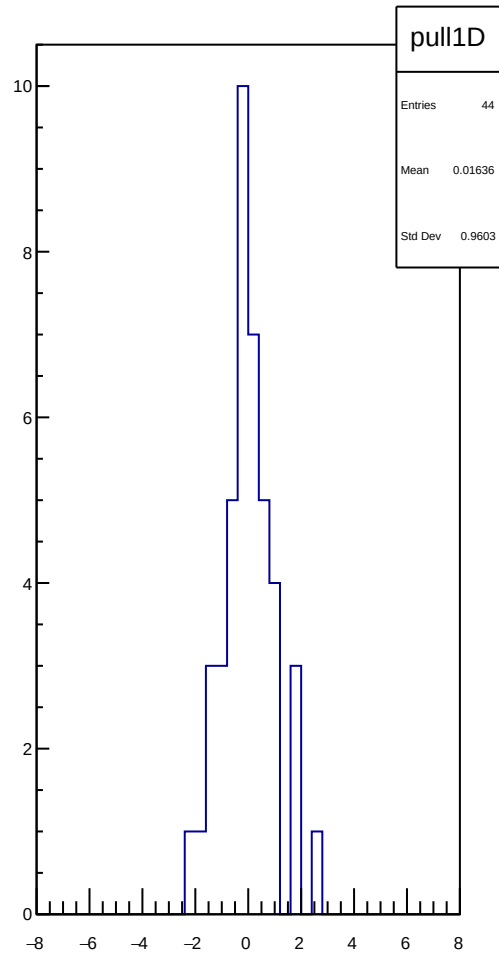
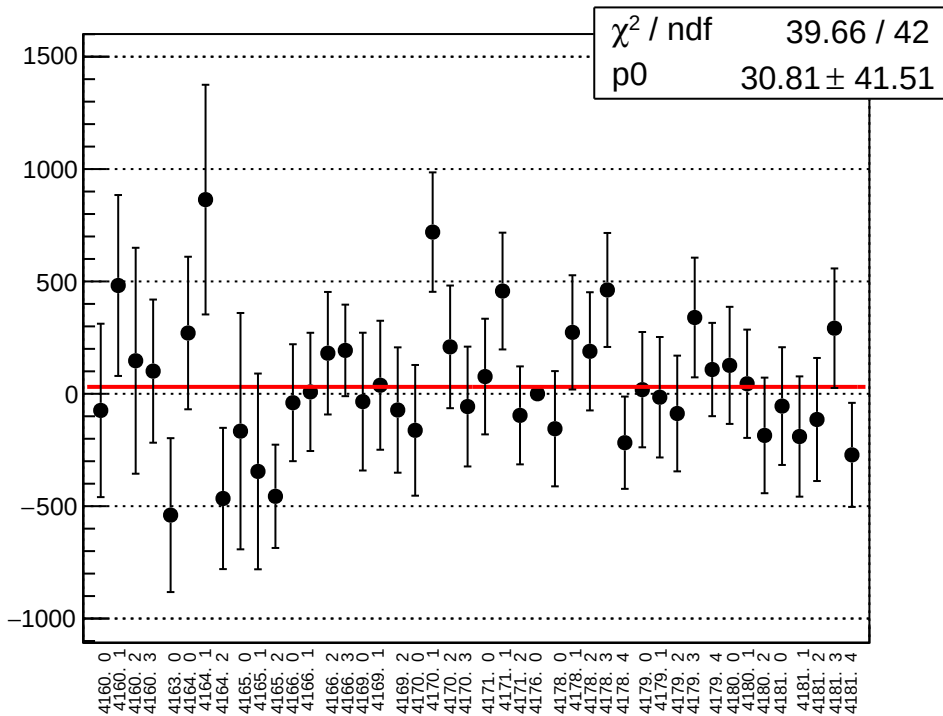
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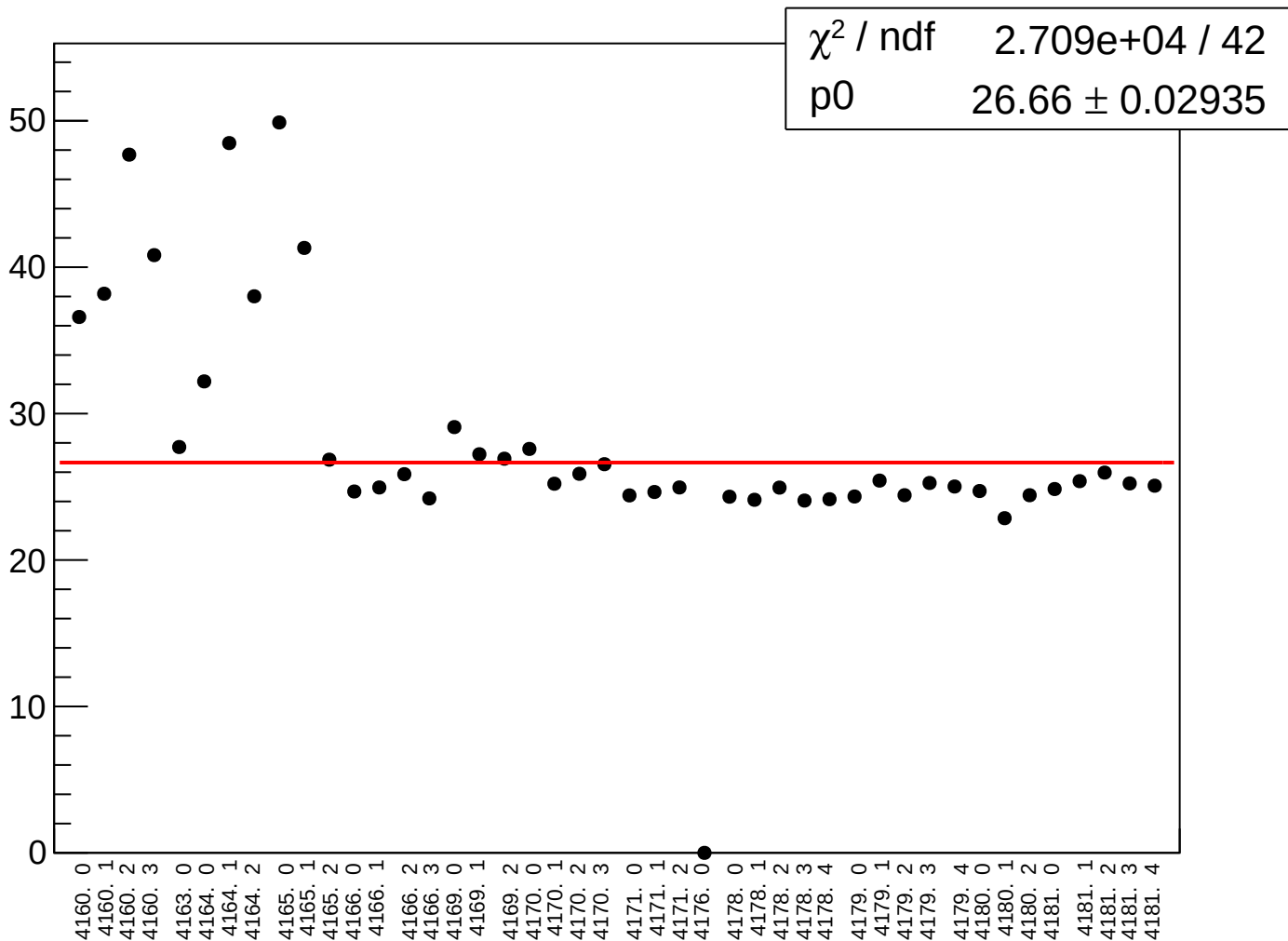
asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_rms vs run



asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_mean vs run

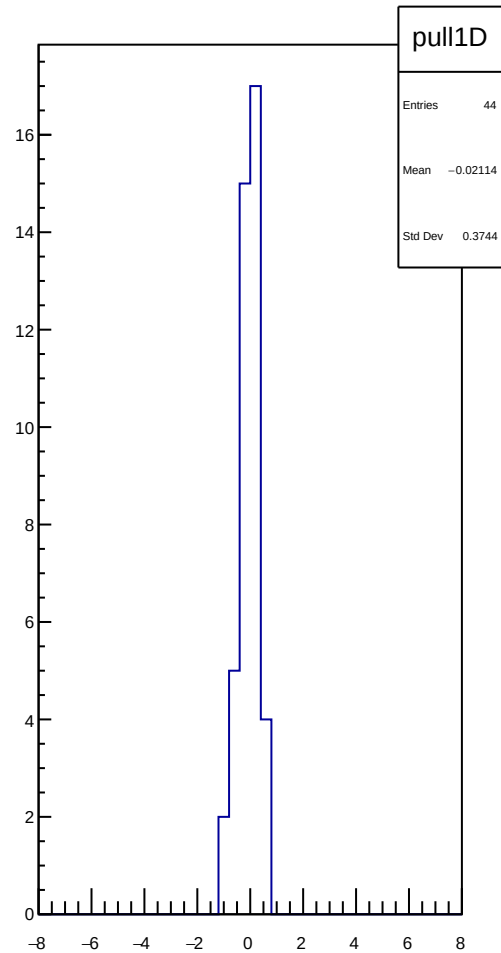
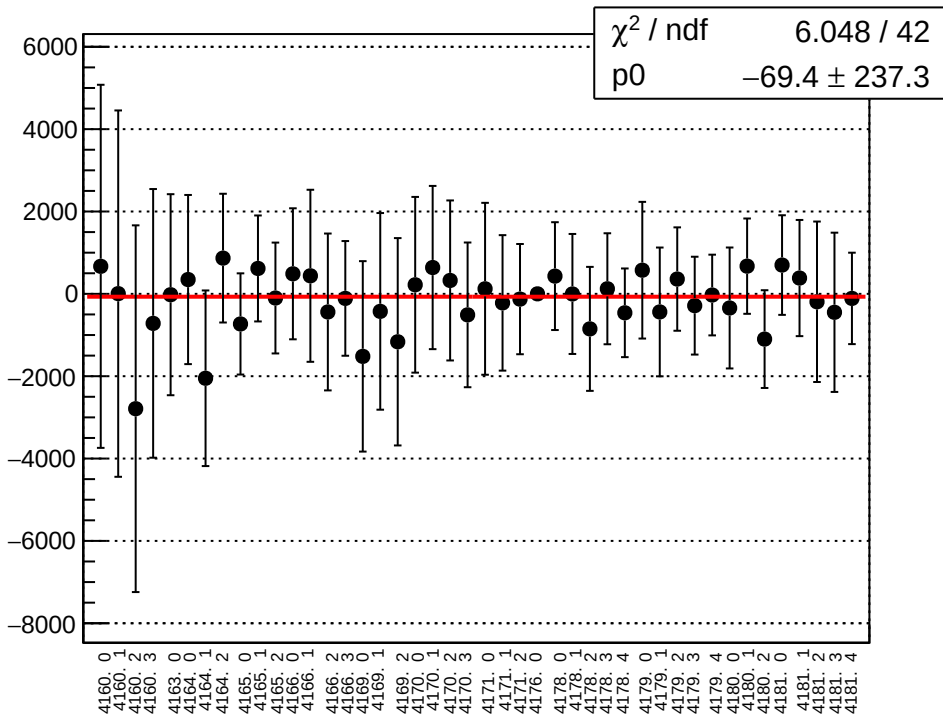


asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_rms vs run

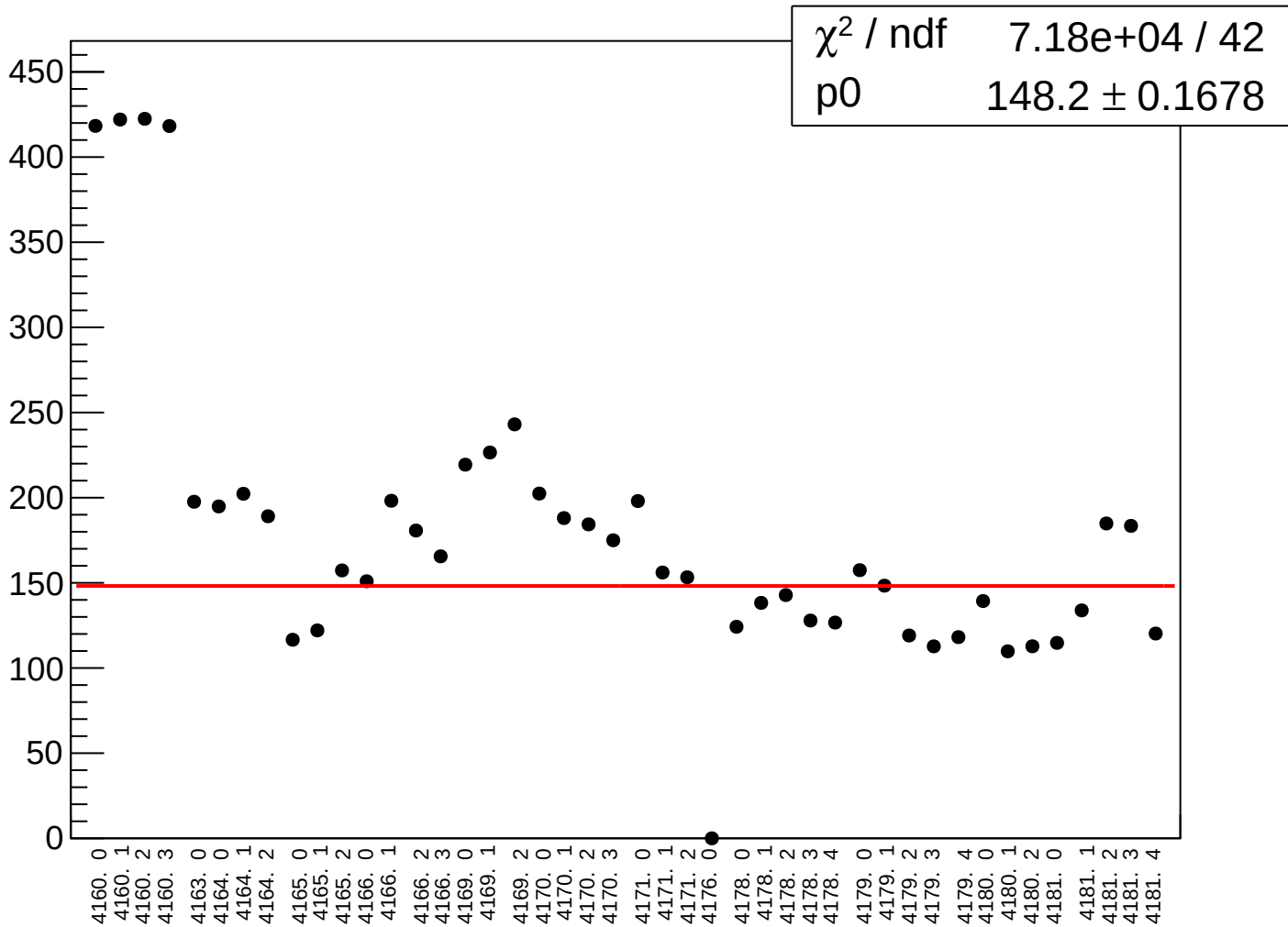




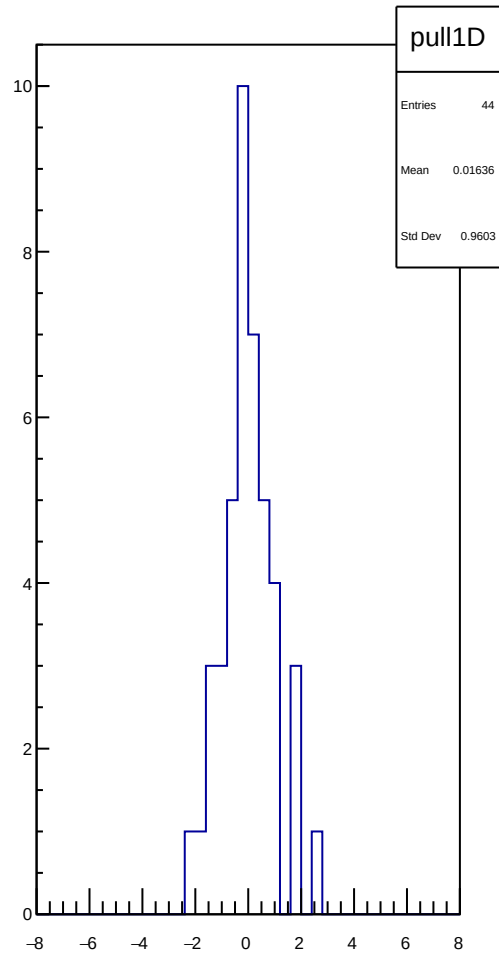
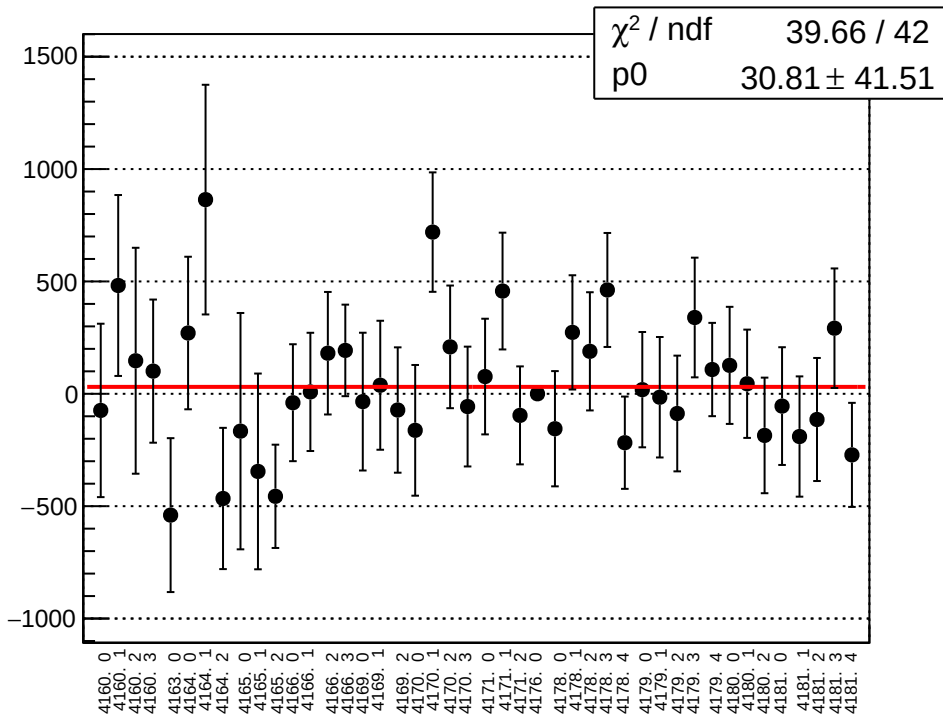
asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



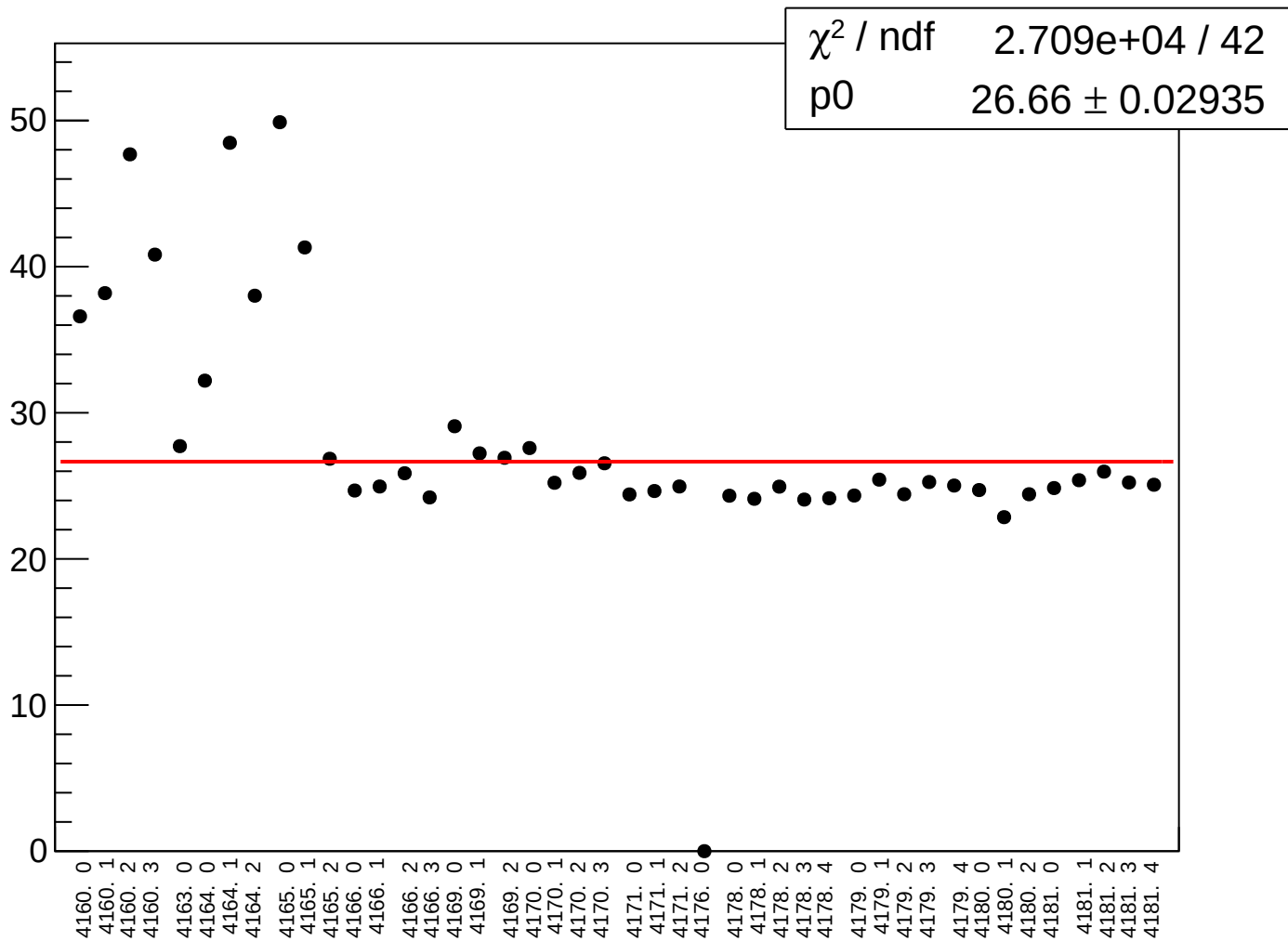
asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_rms vs run



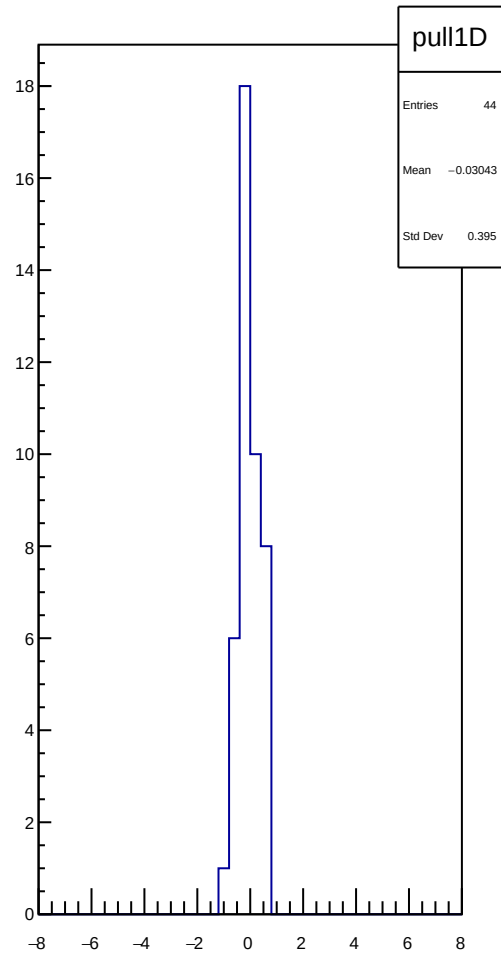
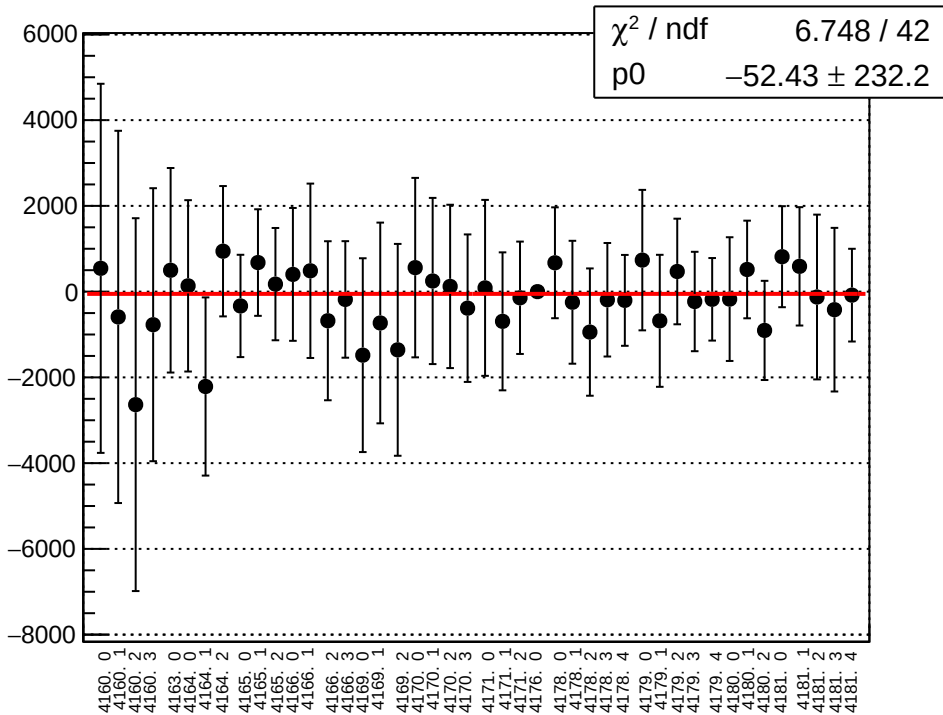
asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



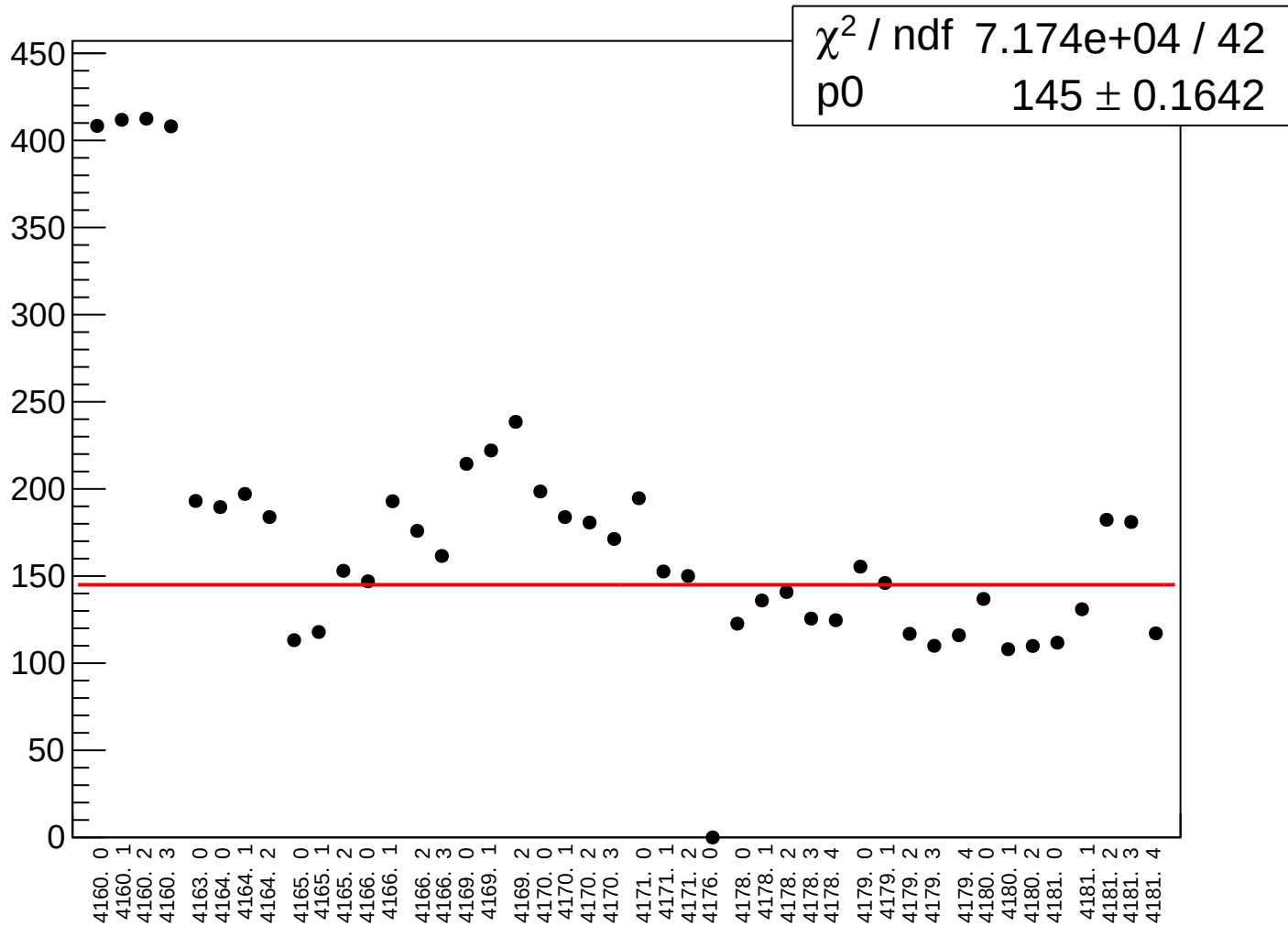
asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run



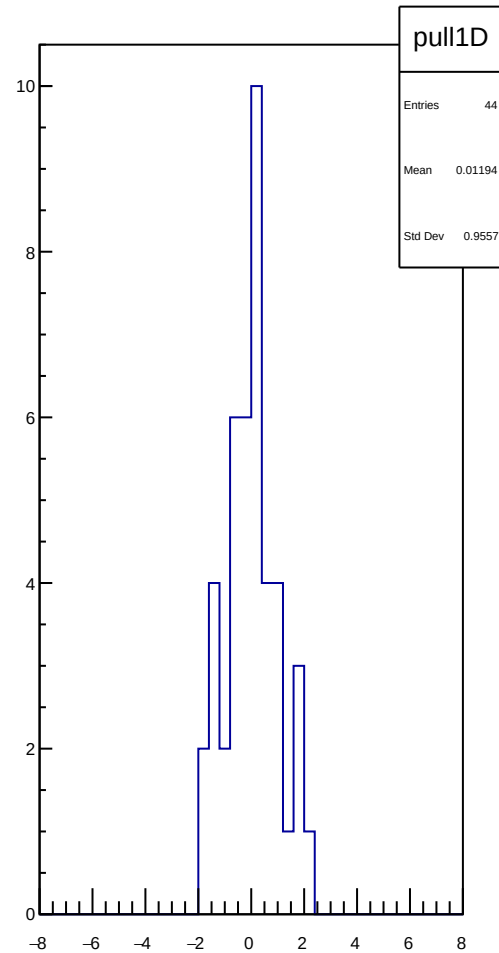
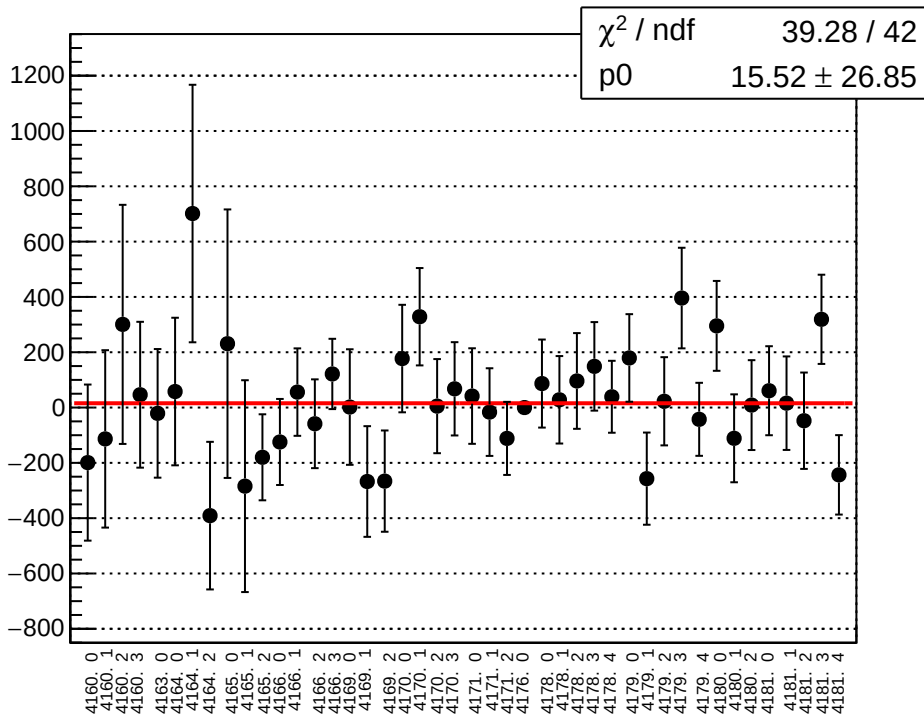
asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_mean vs run



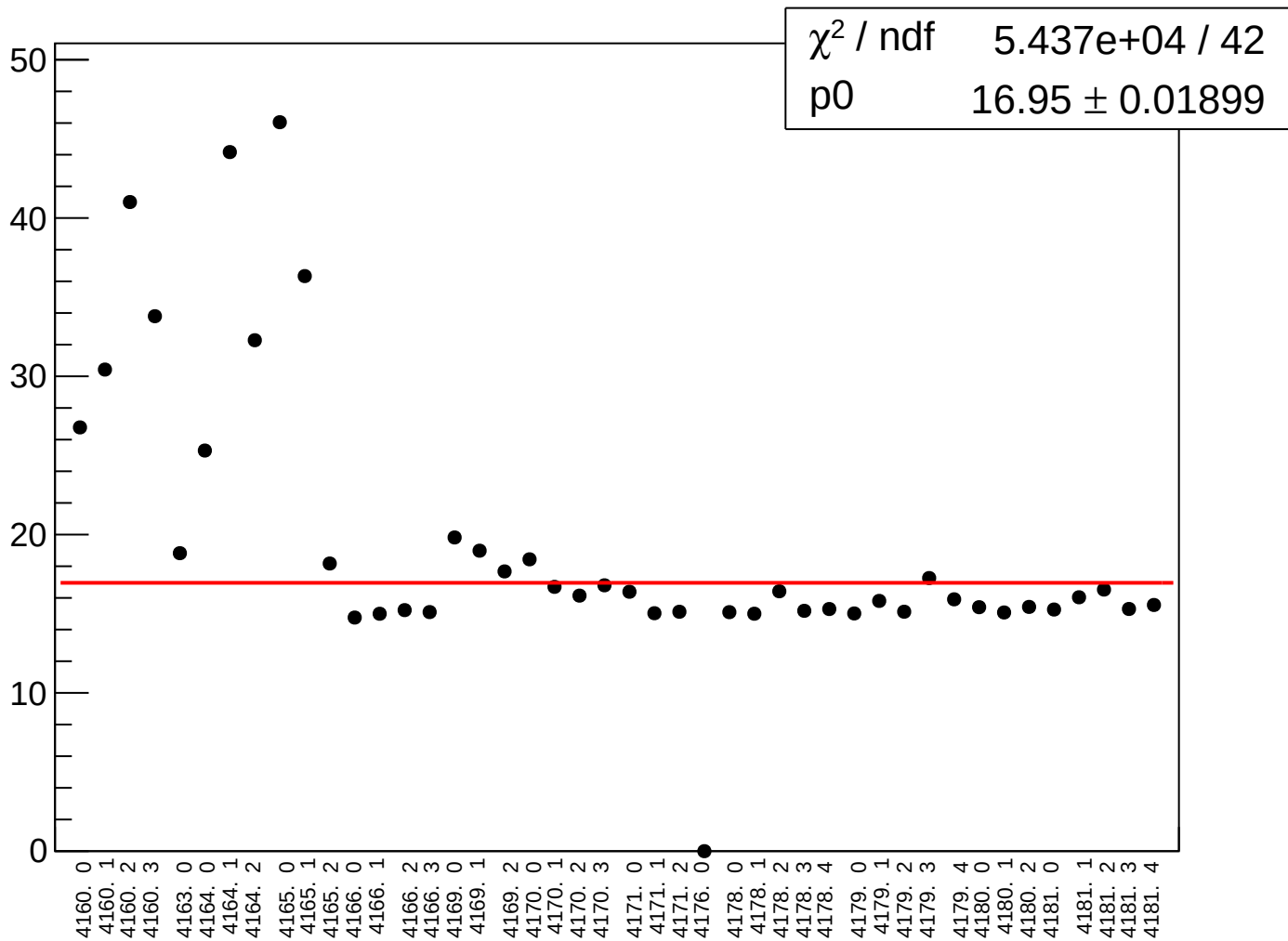
asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_rms vs run



asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_mean vs run

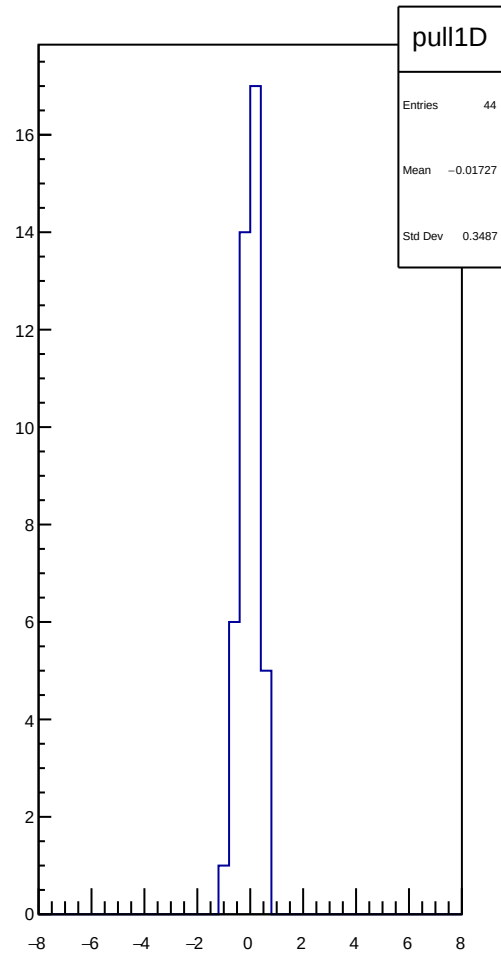
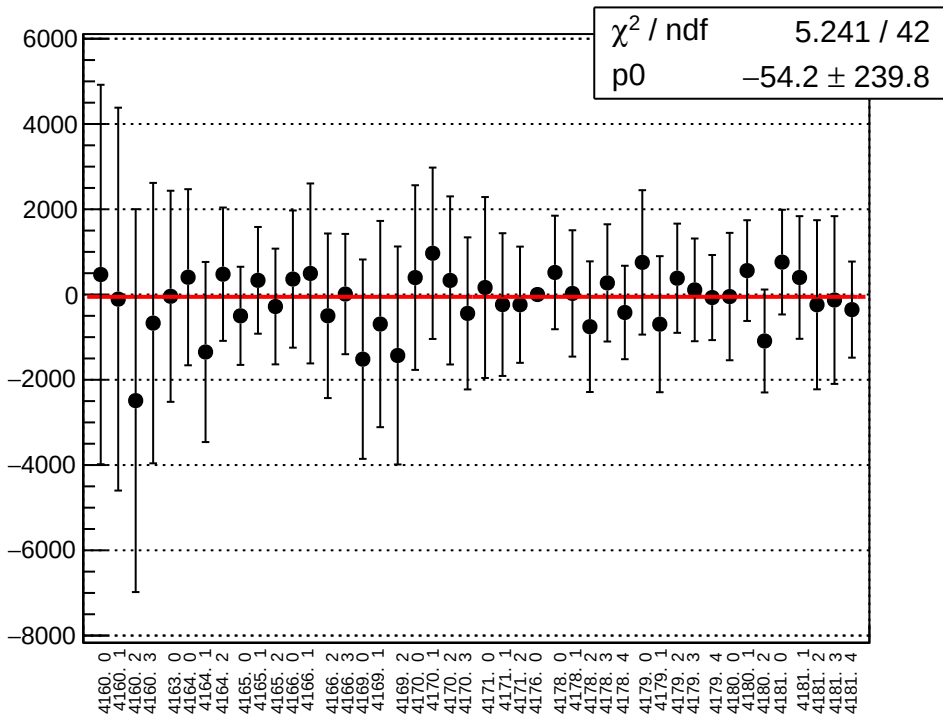


asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_rms vs run

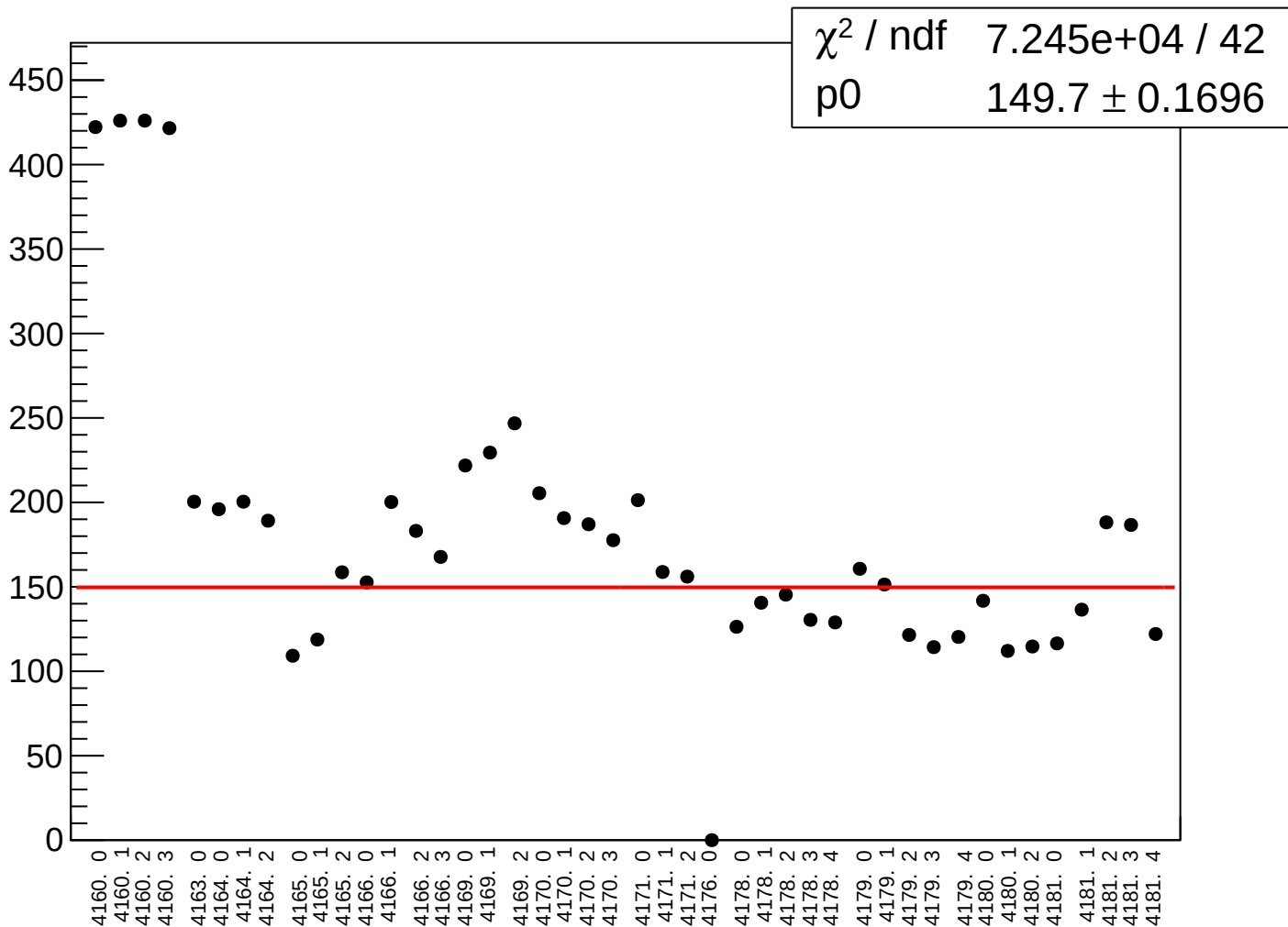




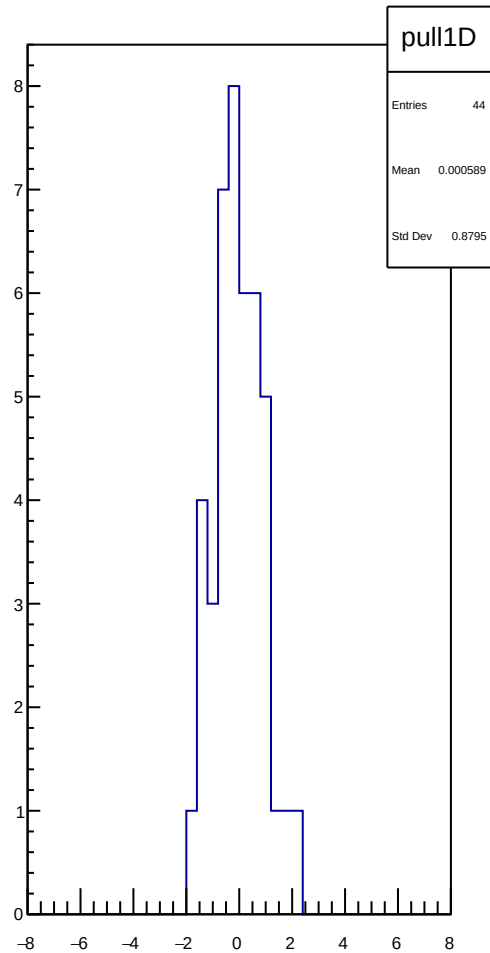
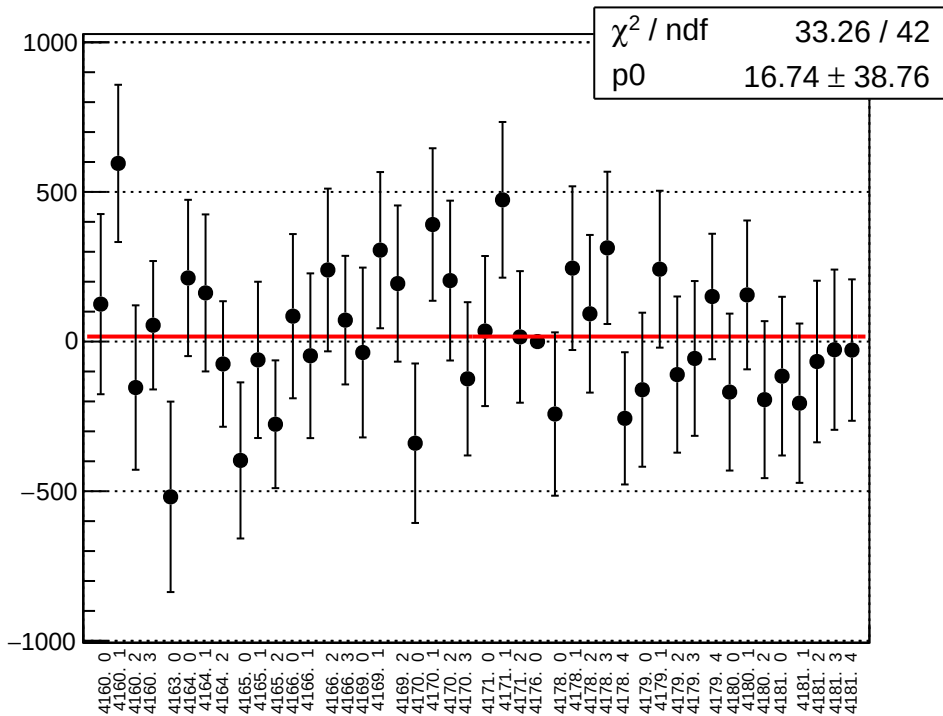
asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_mean vs run



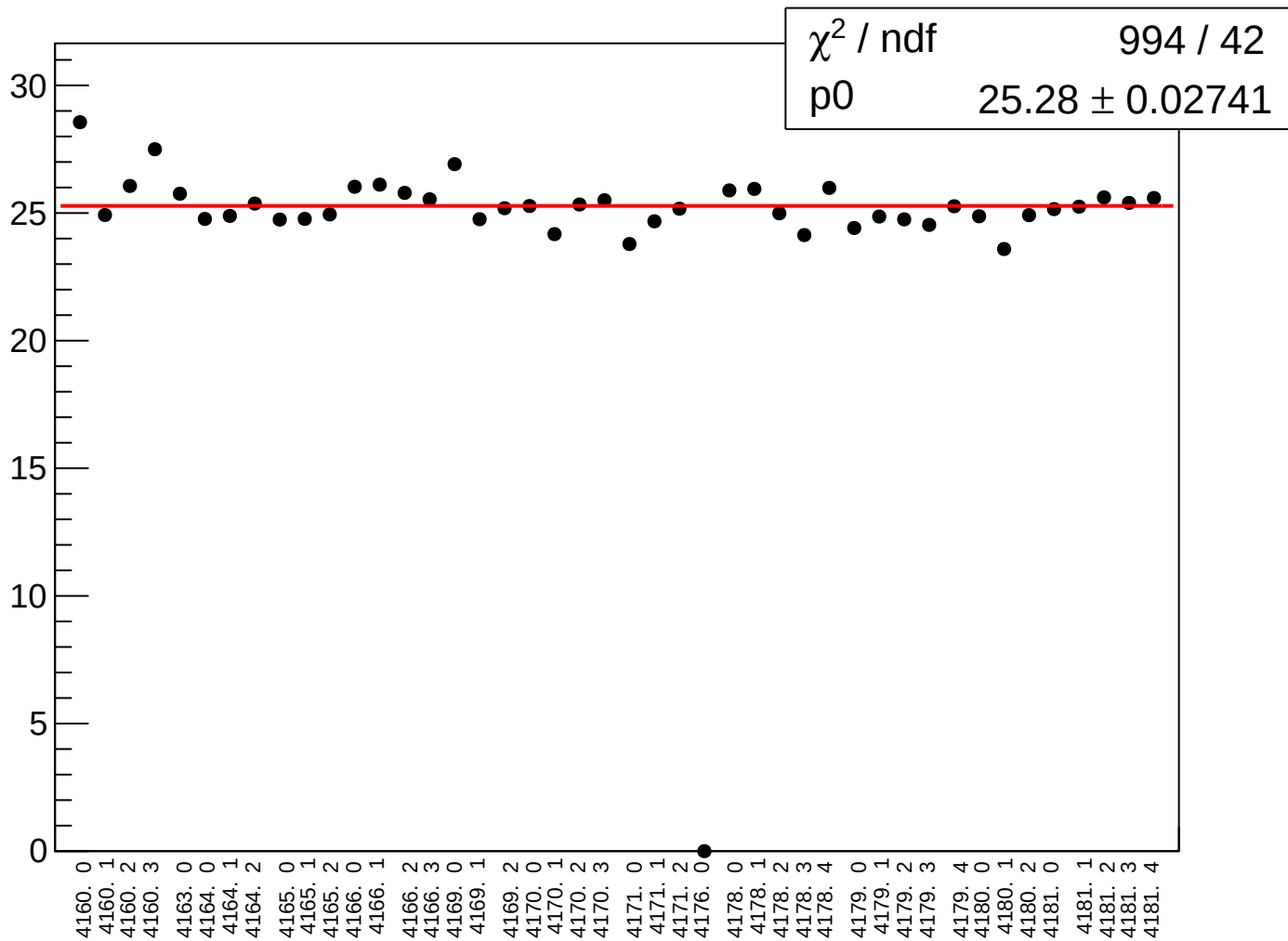
asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_rms vs run



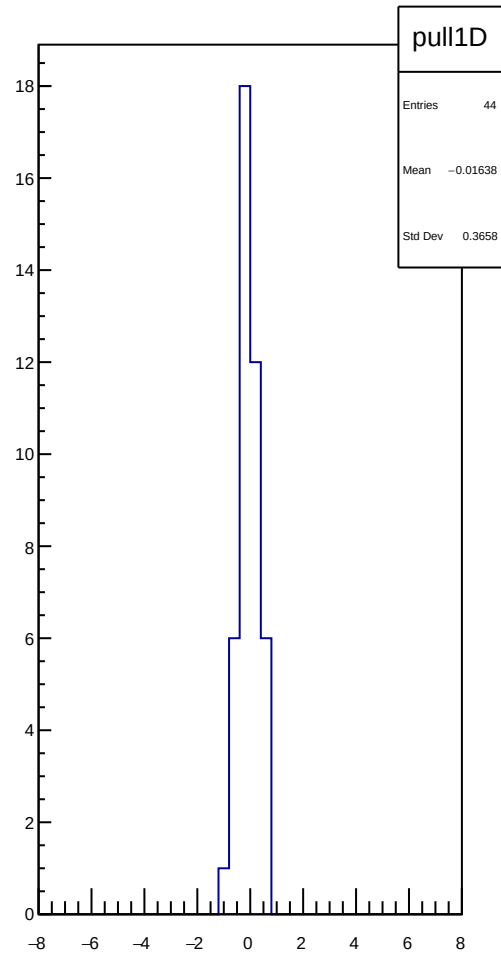
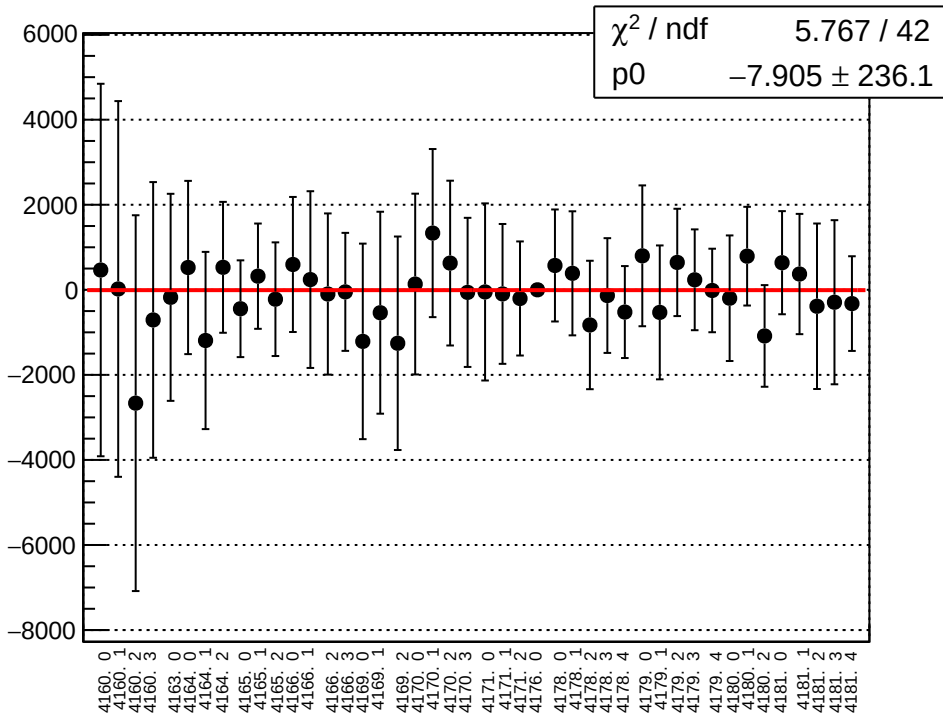
asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_mean vs run



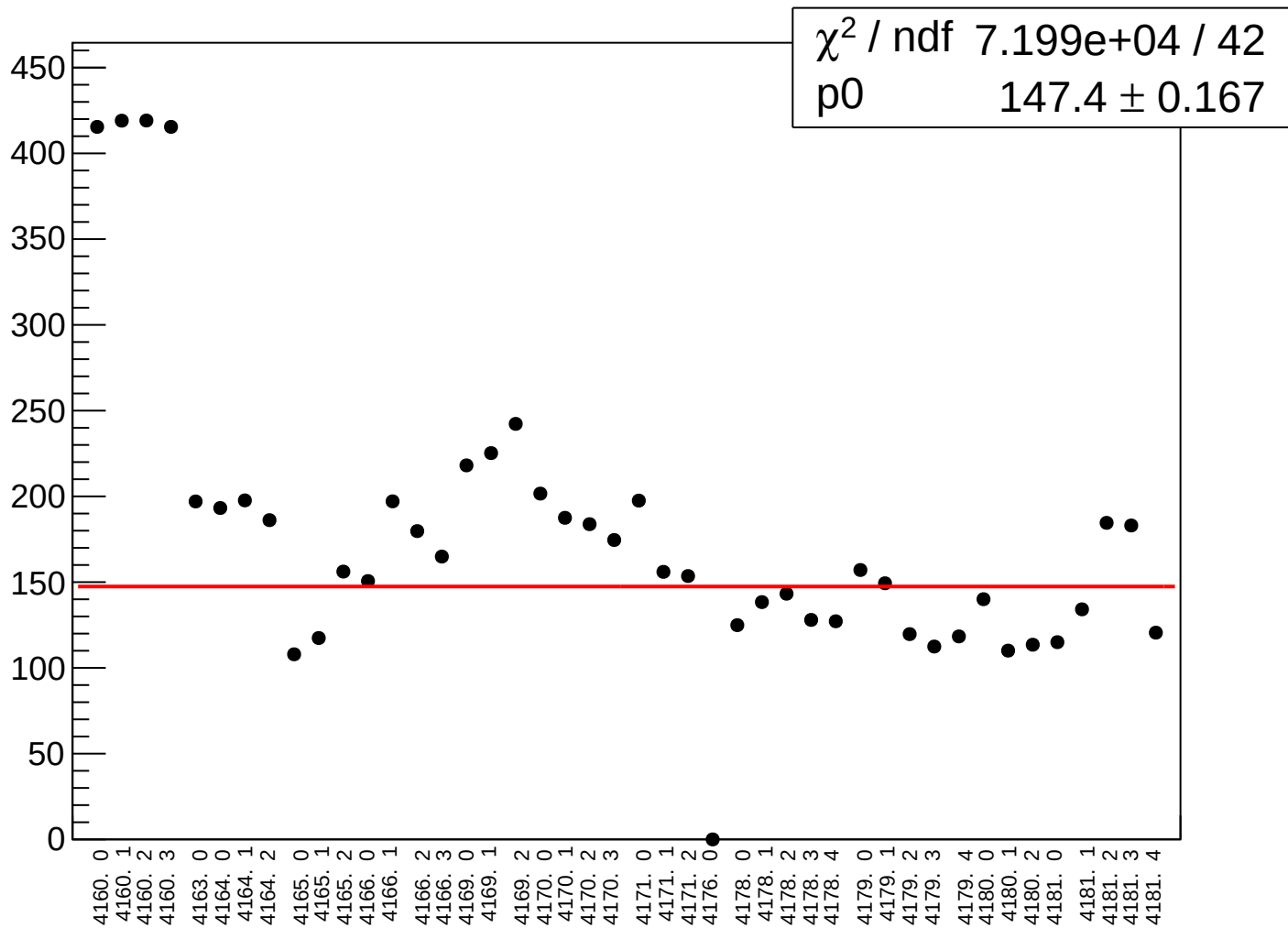
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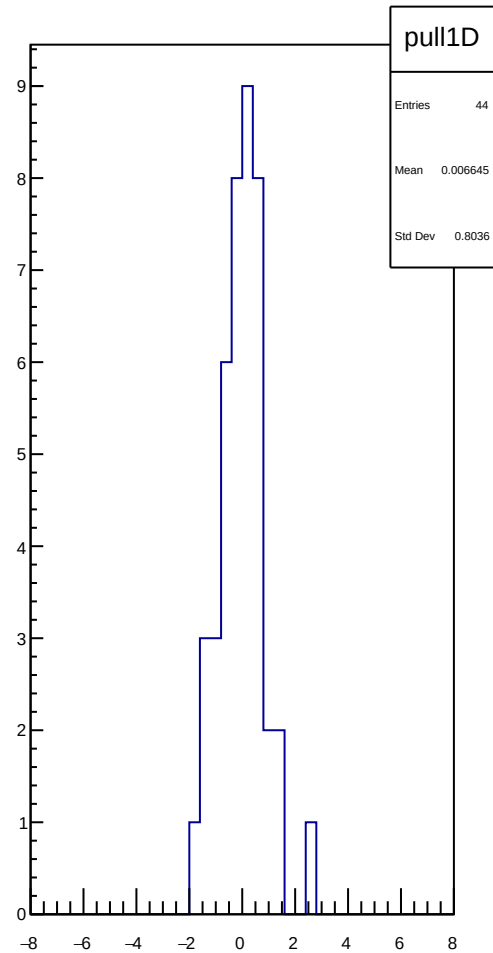
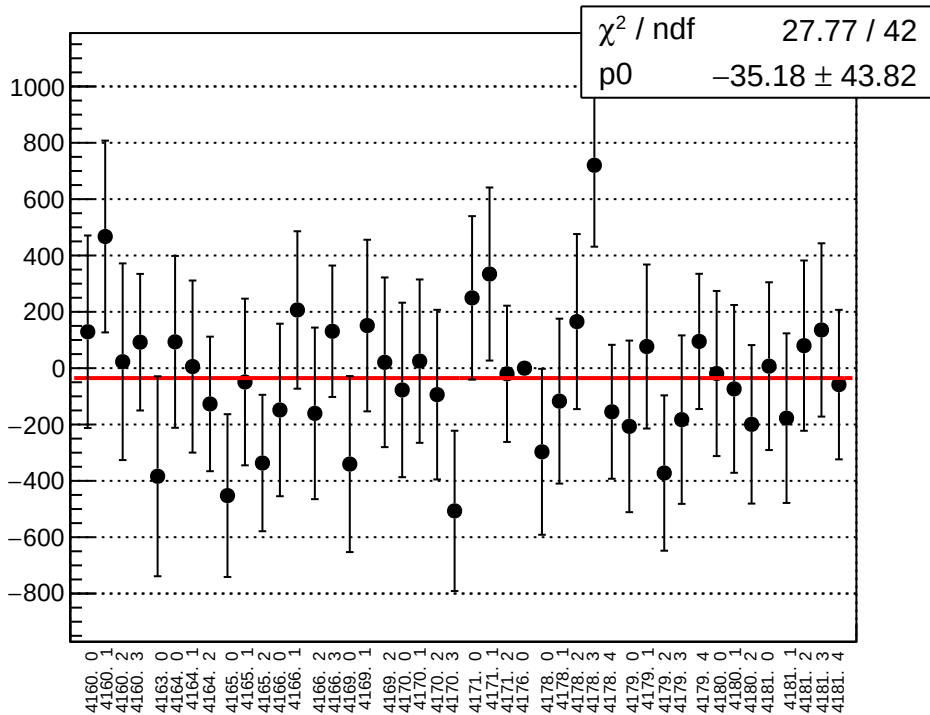
asym\_bcm\_dg\_us\_cav4cQ\_agg\_avg\_mean vs run



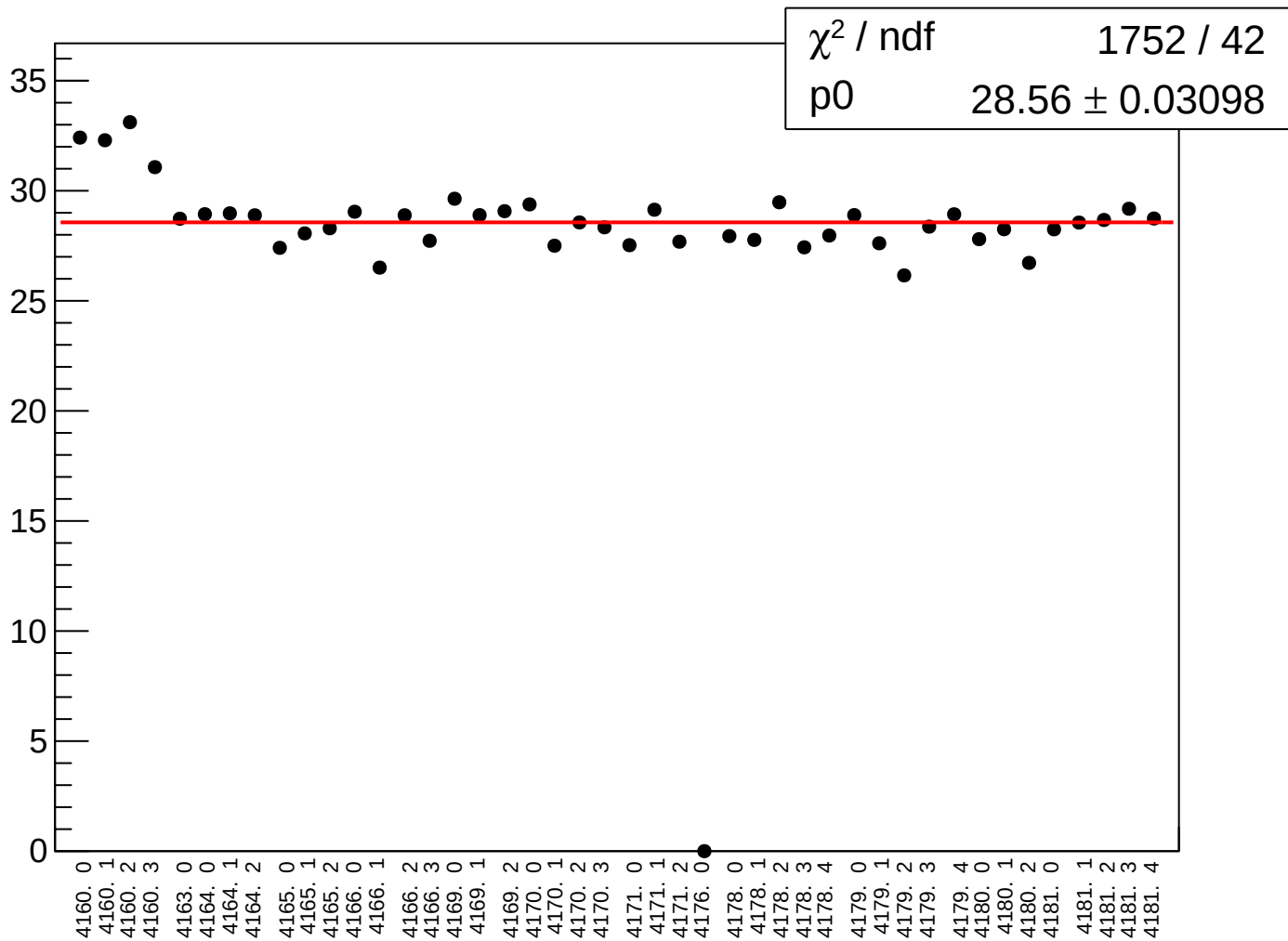
asym\_bcm\_dg\_us\_cav4cQ\_agg\_avg\_rms vs run



asym\_bcm\_dg\_us\_cav4cQ\_agg\_dd\_mean vs run

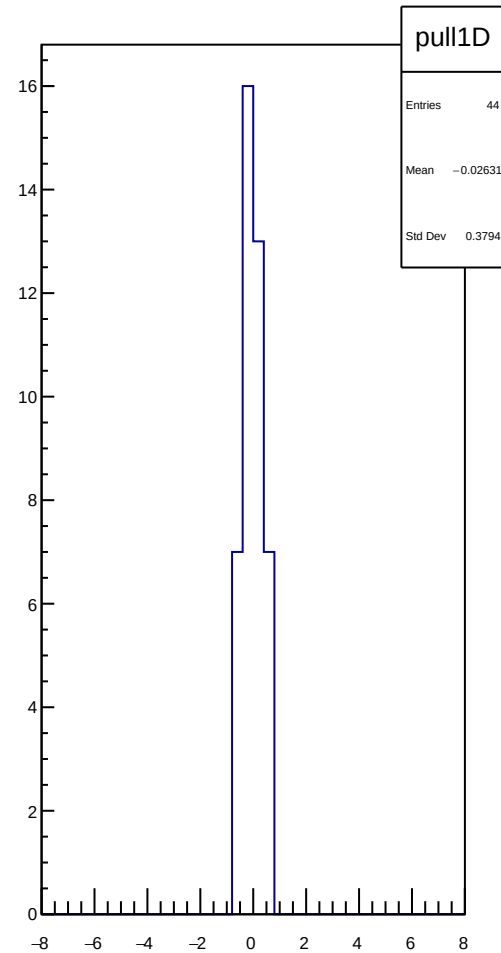
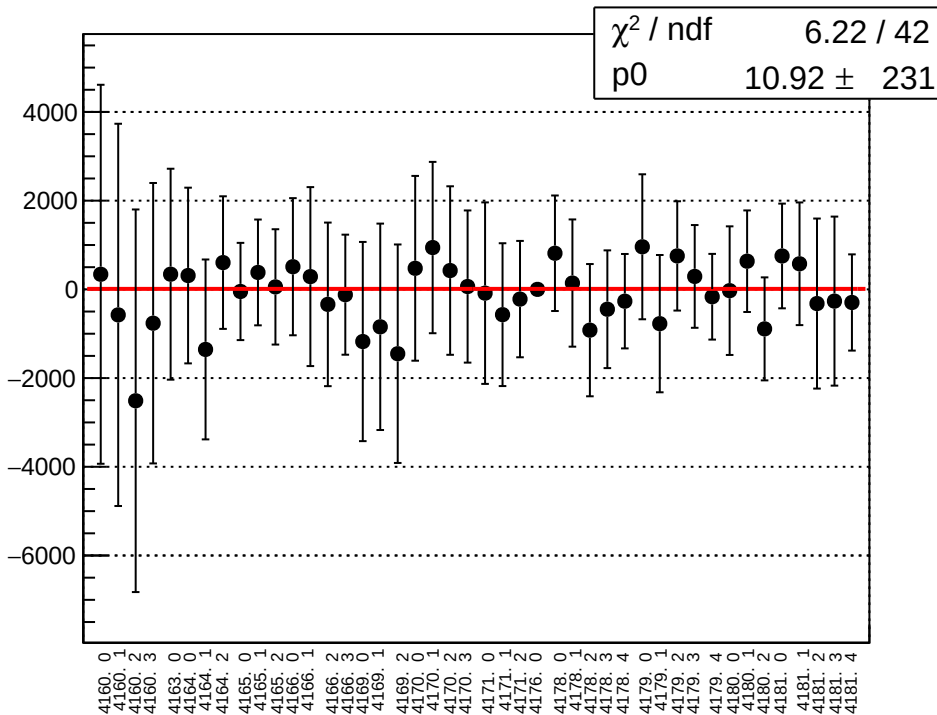


asym\_bcm\_dg\_us\_cav4cQ\_agg\_dd\_rms vs run

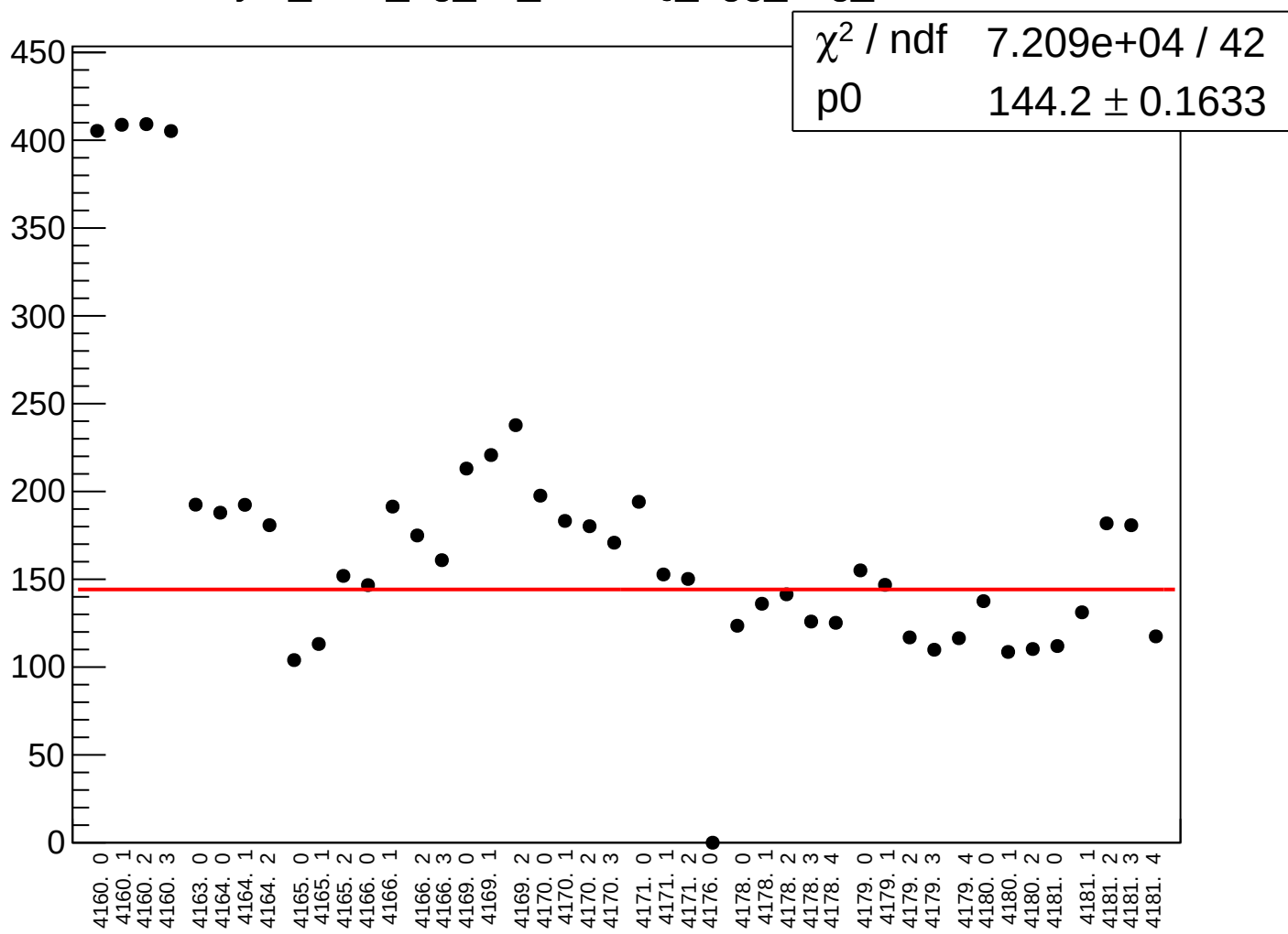




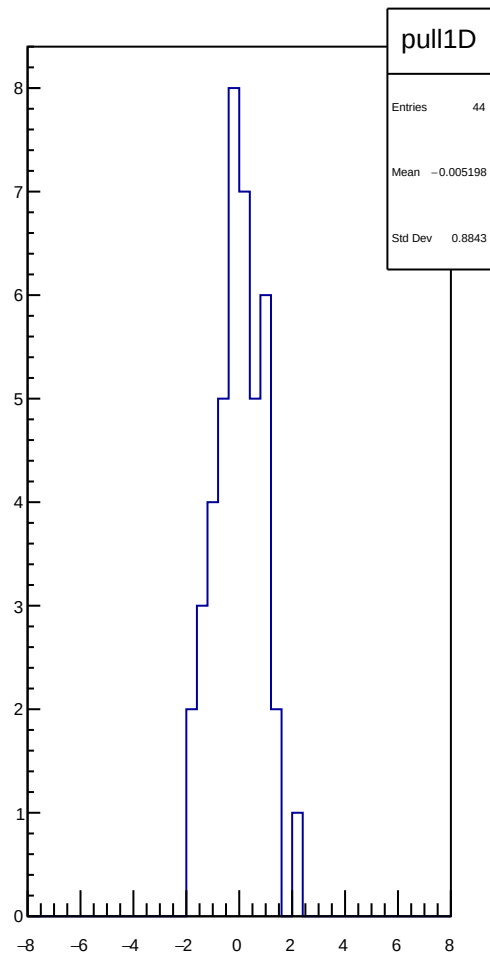
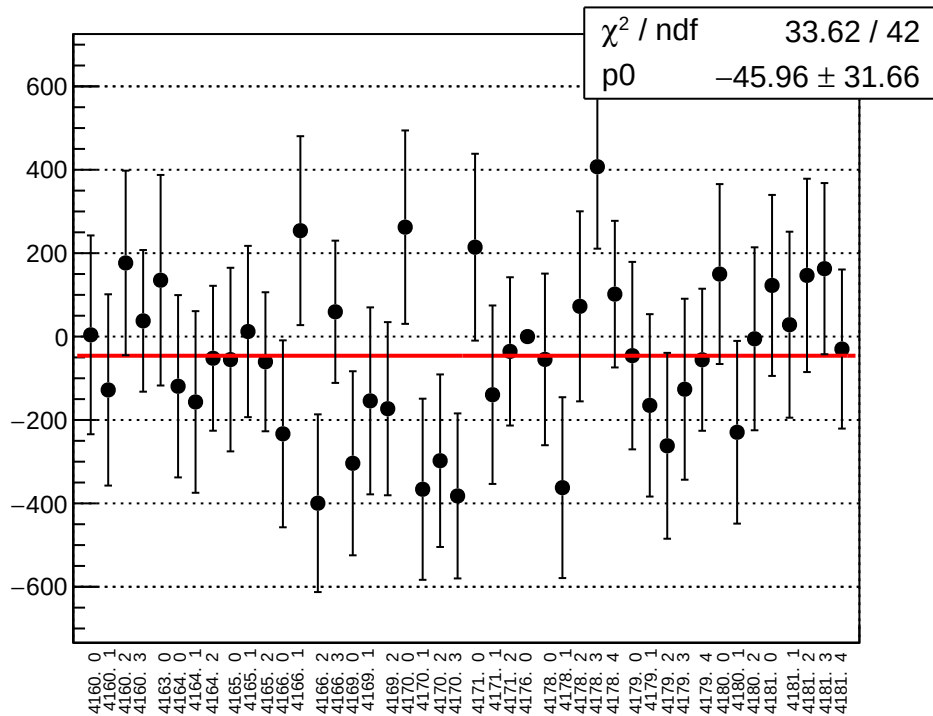
asym\_bcm\_dg\_ds\_cav4cQ\_agg\_avg\_mean vs run



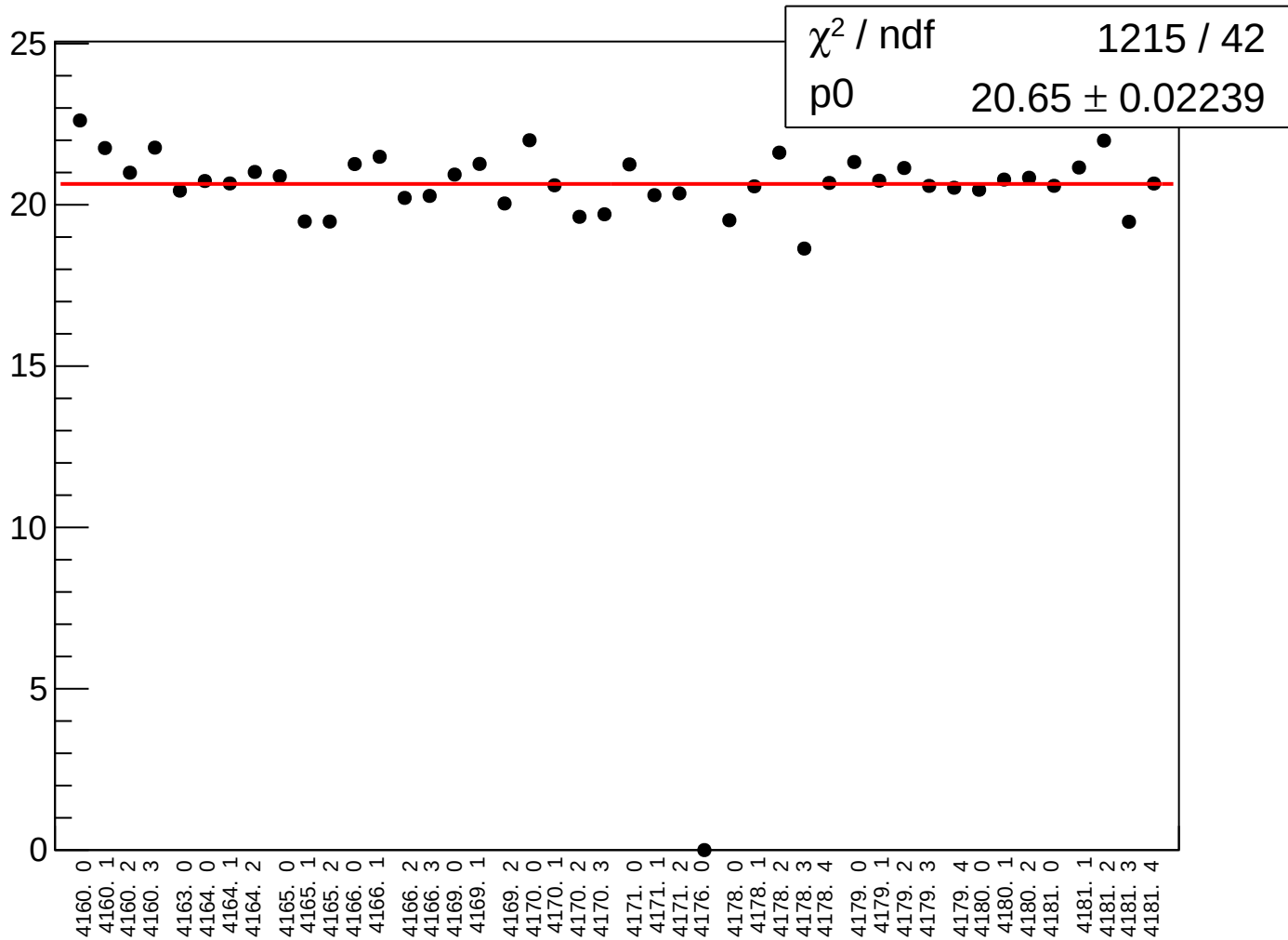
asym\_bcm\_dg\_ds\_cav4cQ\_agg\_avg\_rms vs run



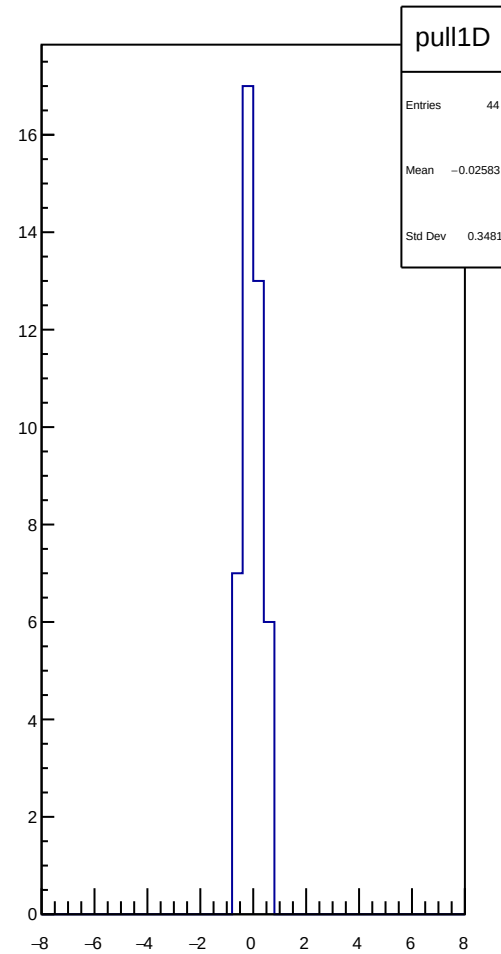
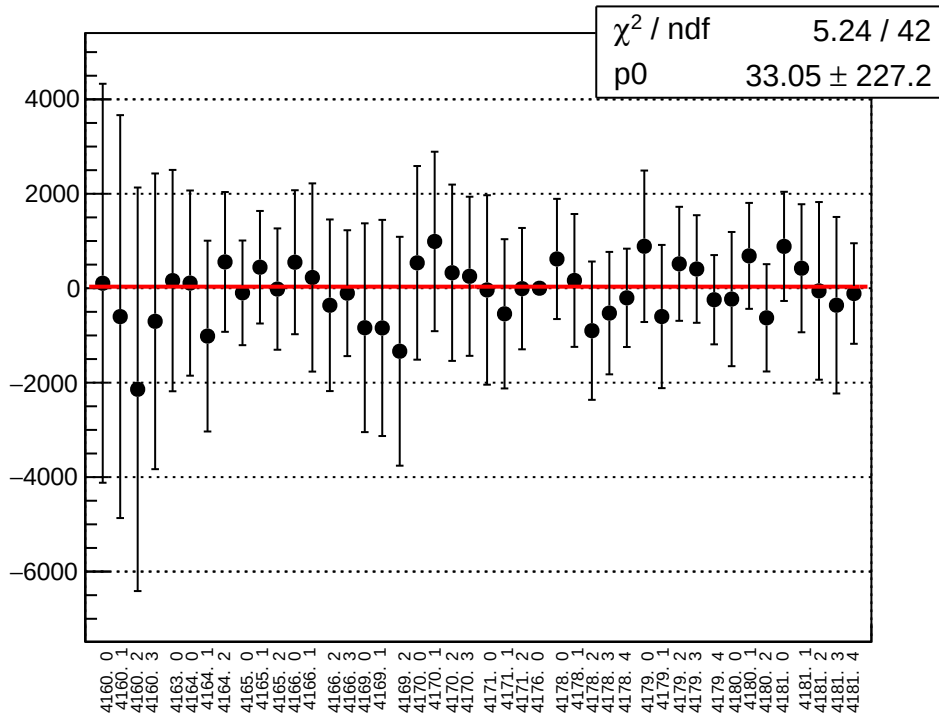
asym\_bcm\_dg\_ds\_cav4cQ\_agg\_dd\_mean vs run



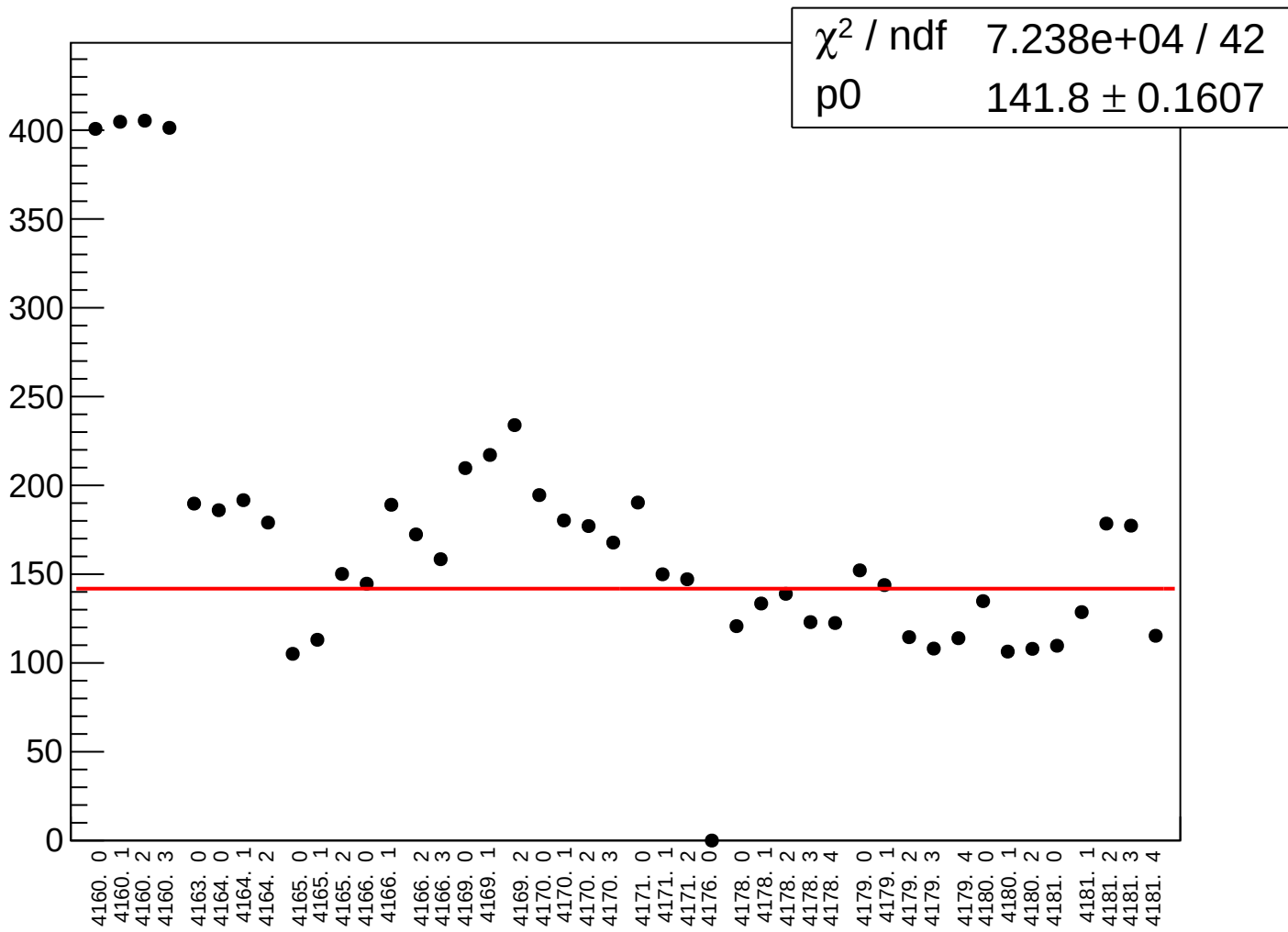
asym\_bcm\_dg\_ds\_cav4cQ\_agg\_dd\_rms vs run



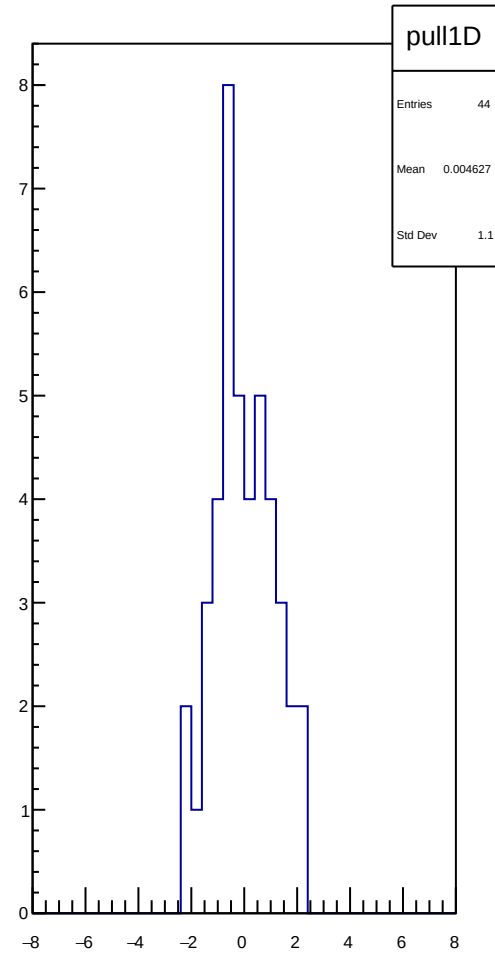
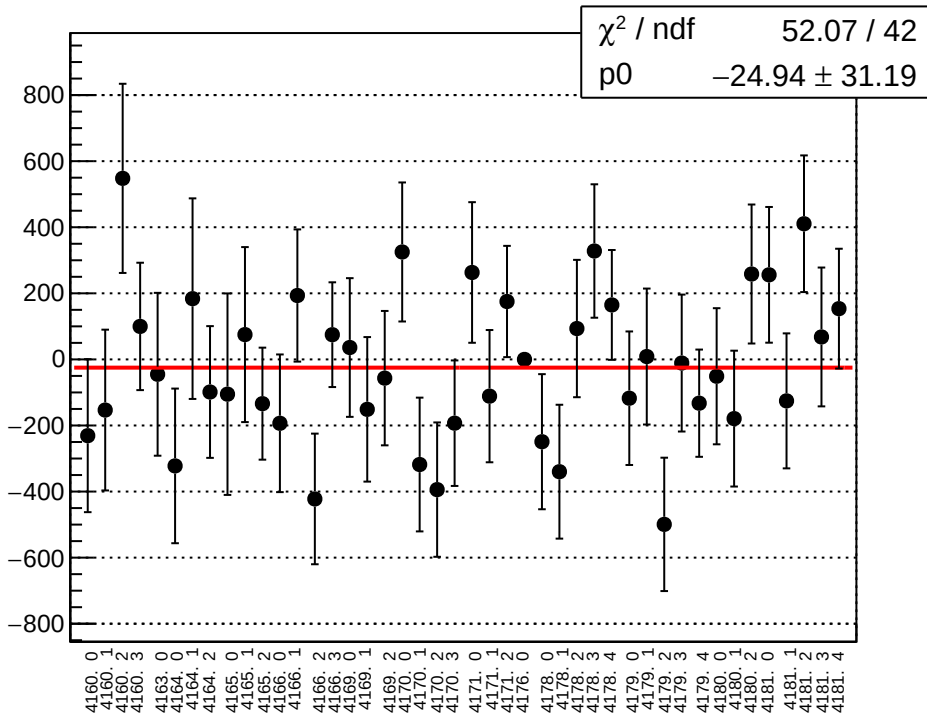
asym\_bcm\_an\_us\_cav4cQ\_agg\_avg\_mean vs run



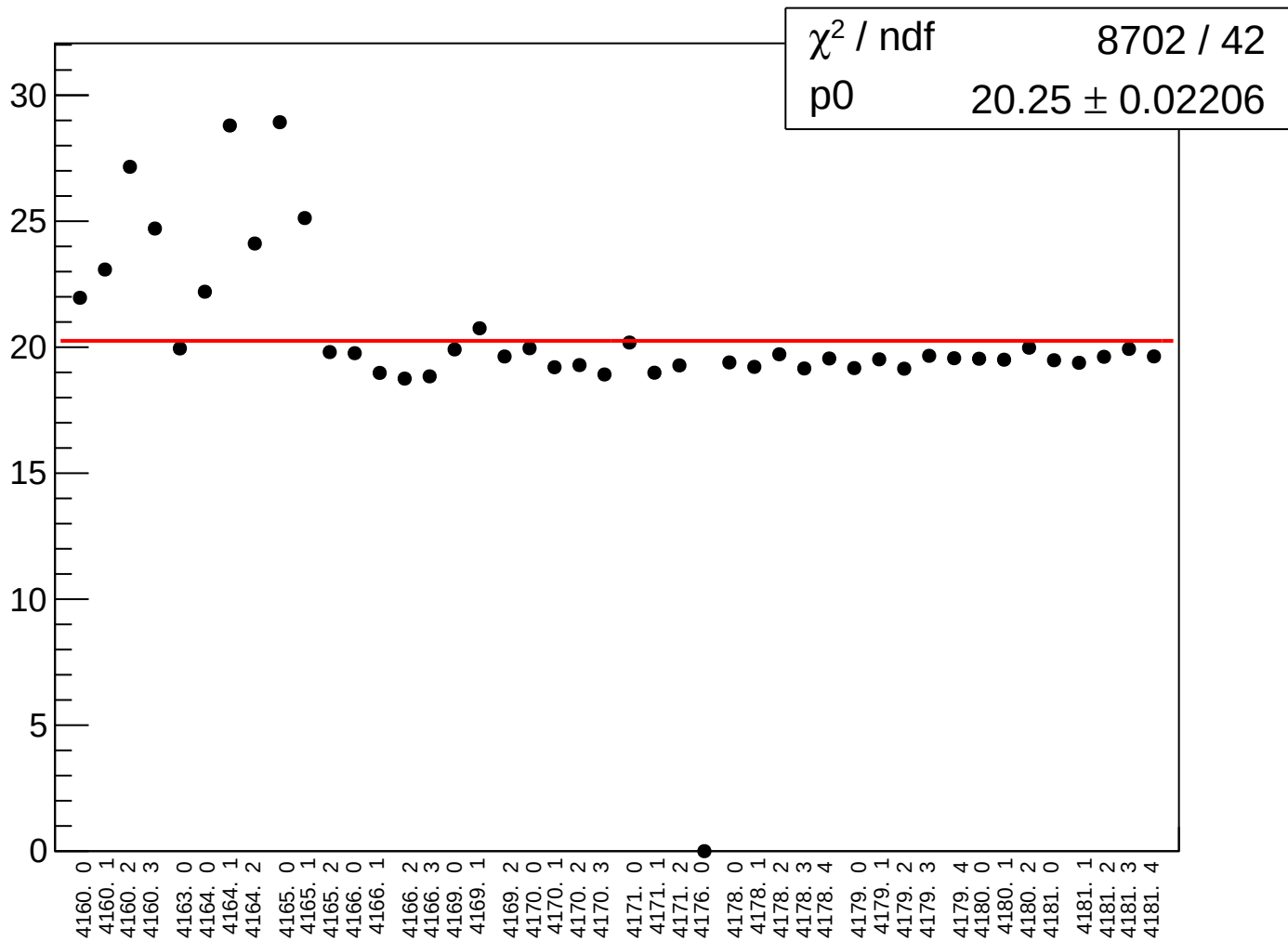
asym\_bcm\_an\_us\_cav4cQ\_agg\_avg\_rms vs run



asym\_bcm\_an\_us\_cav4cQ\_agg\_dd\_mean vs run

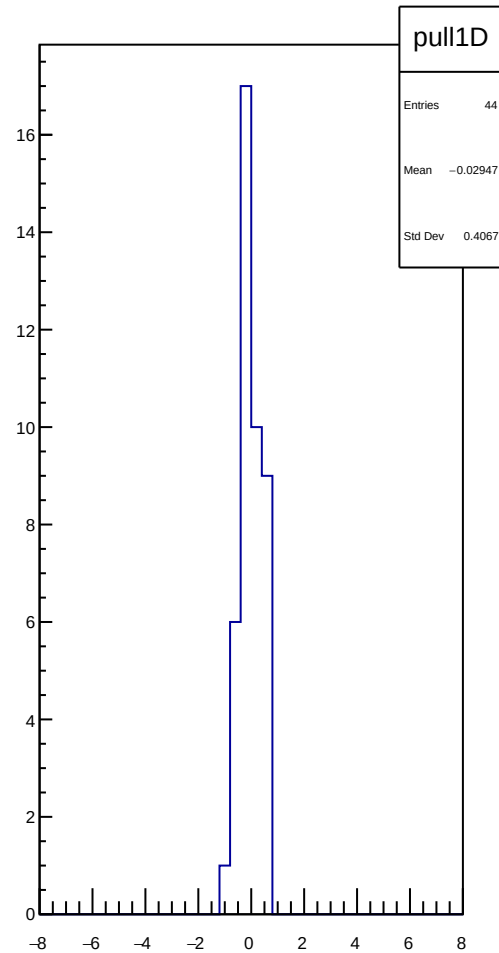
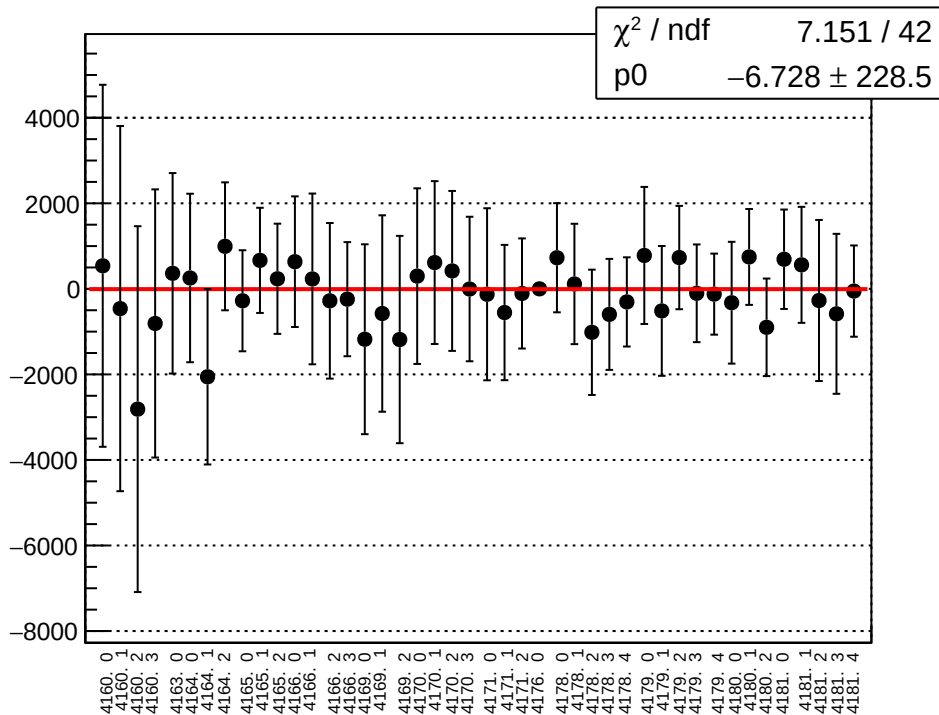


asym\_bcm\_an\_us\_cav4cQ\_agg\_dd\_rms vs run

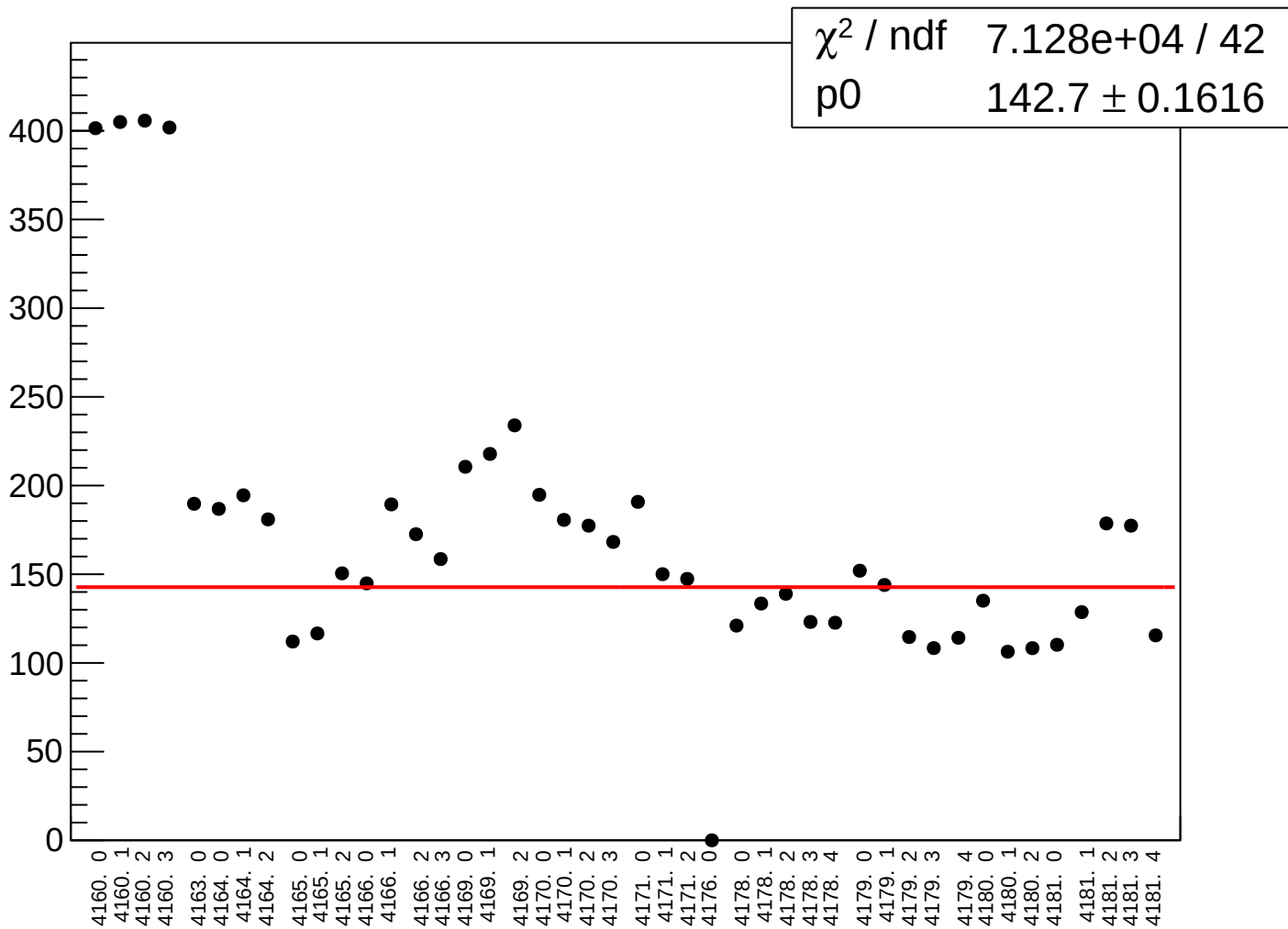




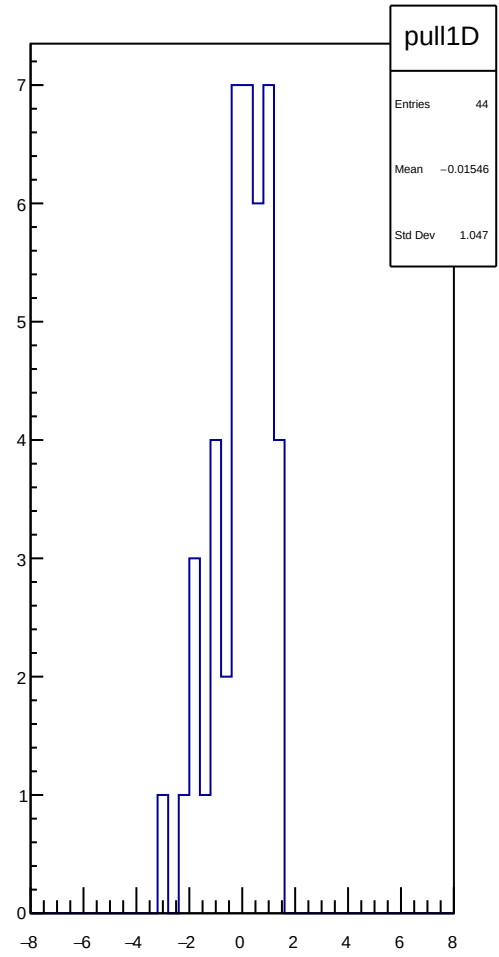
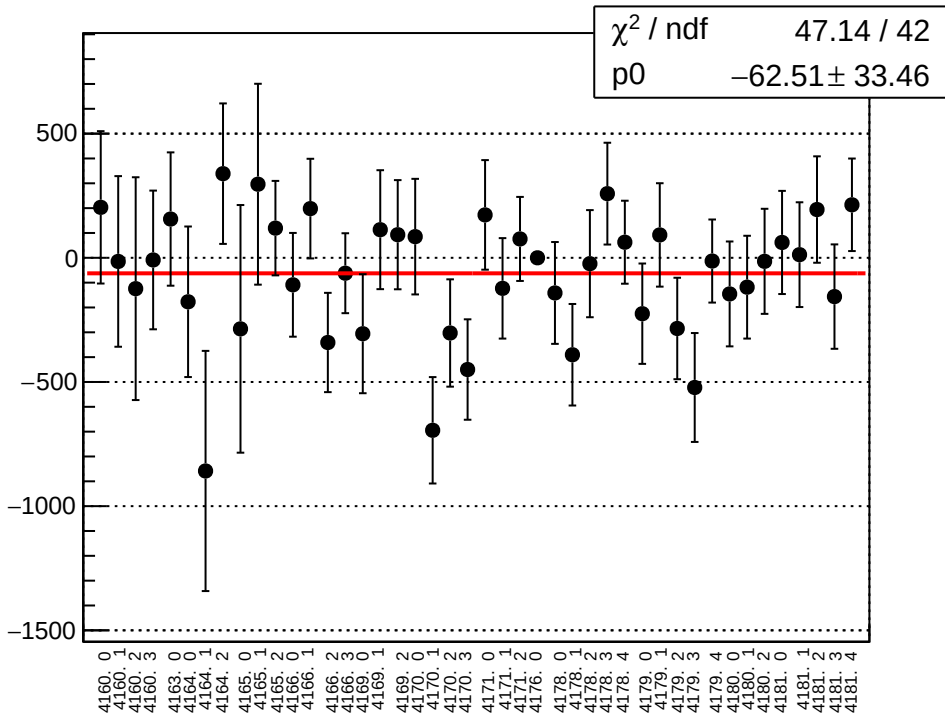
asym\_bcm\_an\_ds\_cav4cQ\_agg\_avg\_mean vs run



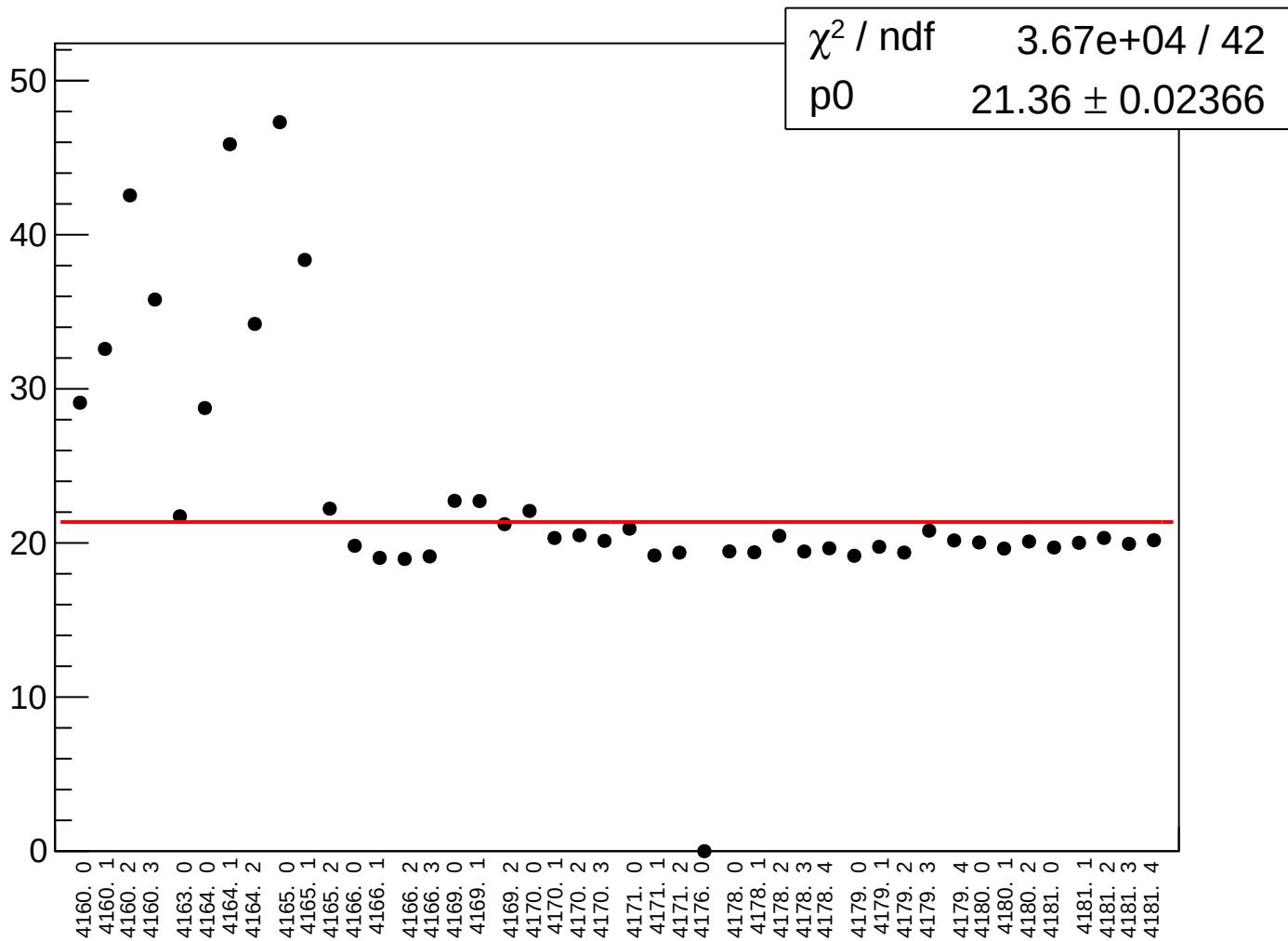
asym\_bcm\_an\_ds\_cav4cQ\_agg\_avg\_rms vs run



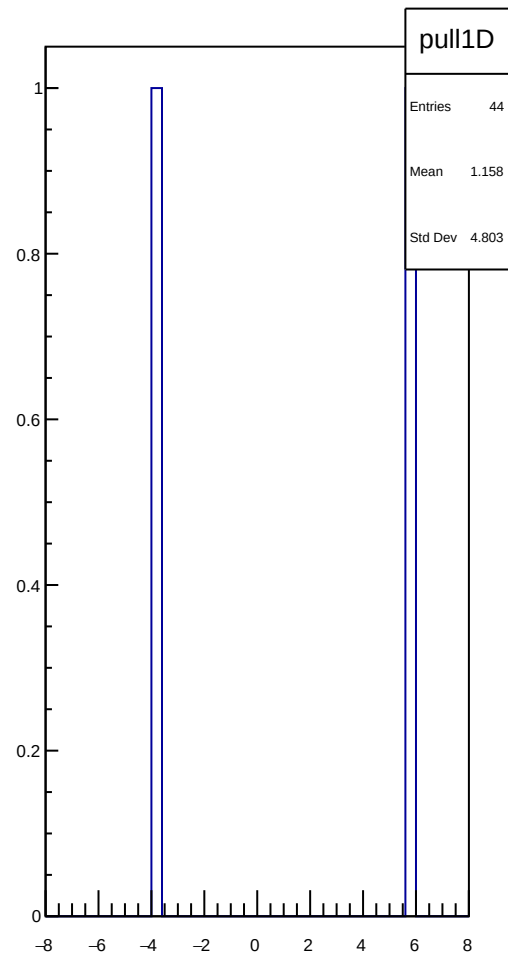
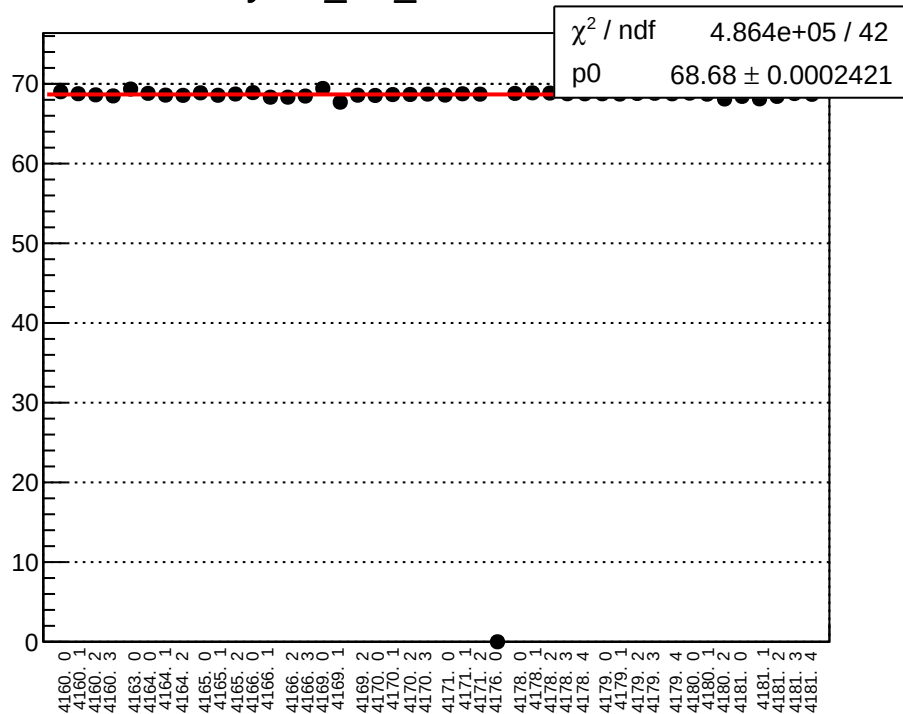
asym\_bcm\_an\_ds\_cav4cQ\_agg\_dd\_mean vs run



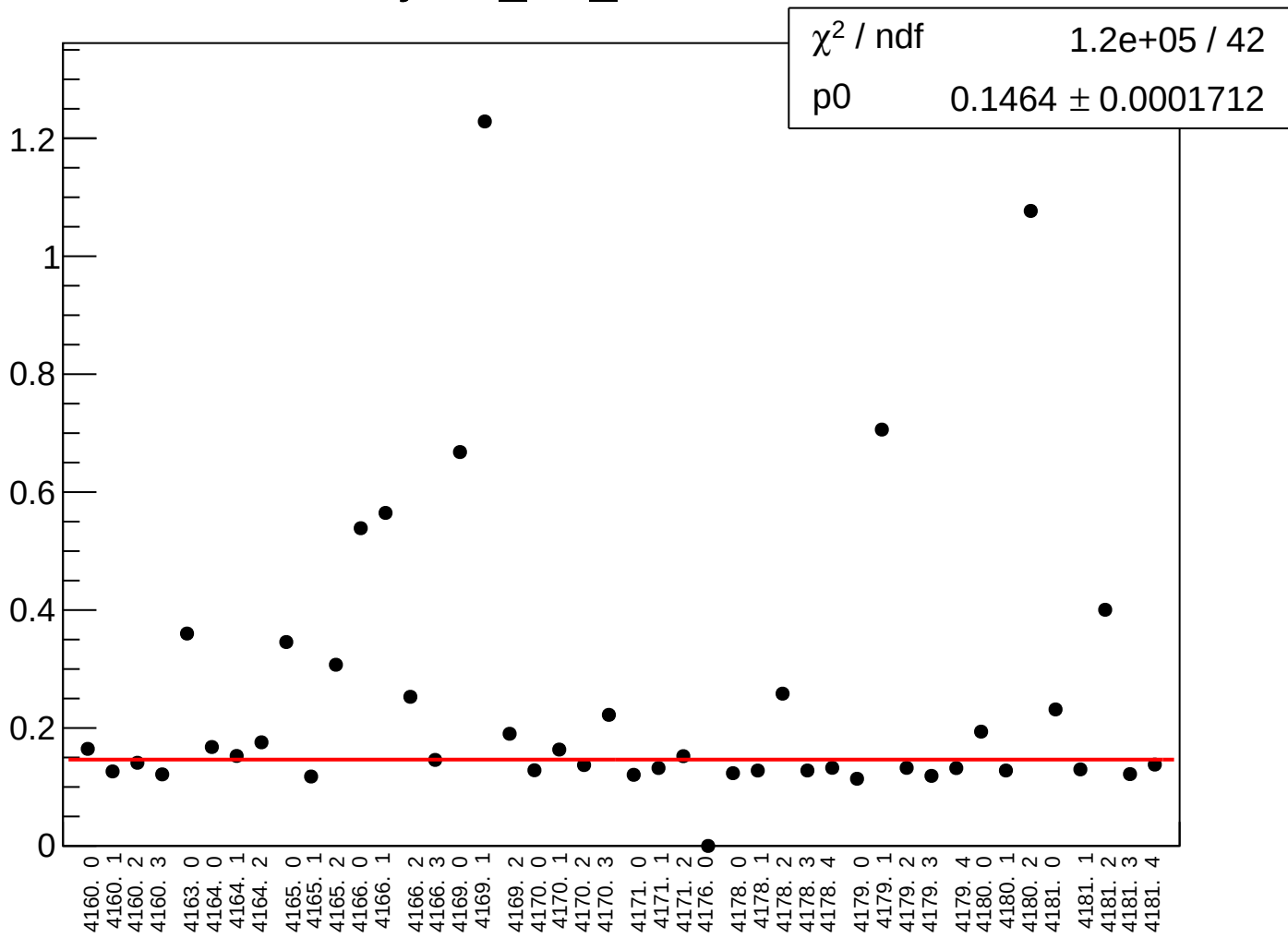
asym\_bcm\_an\_ds\_cav4cQ\_agg\_dd\_rms vs run



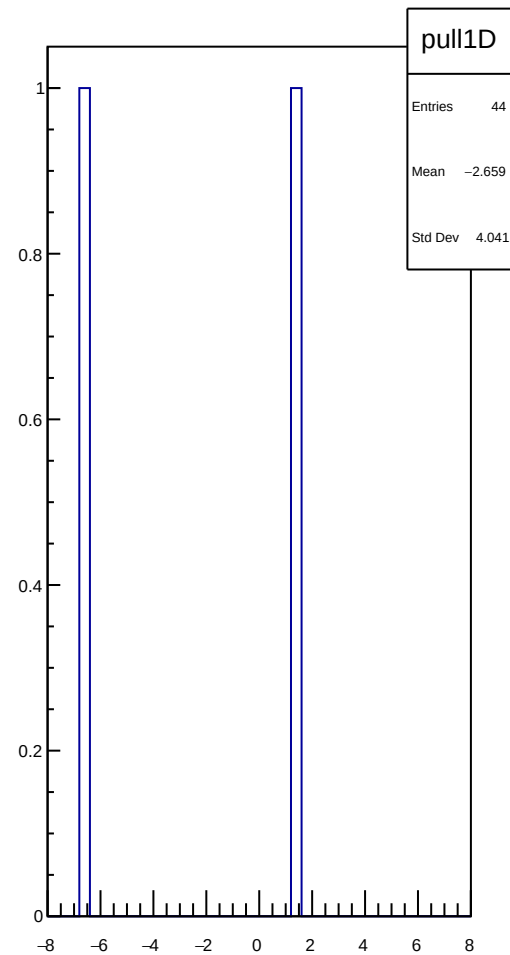
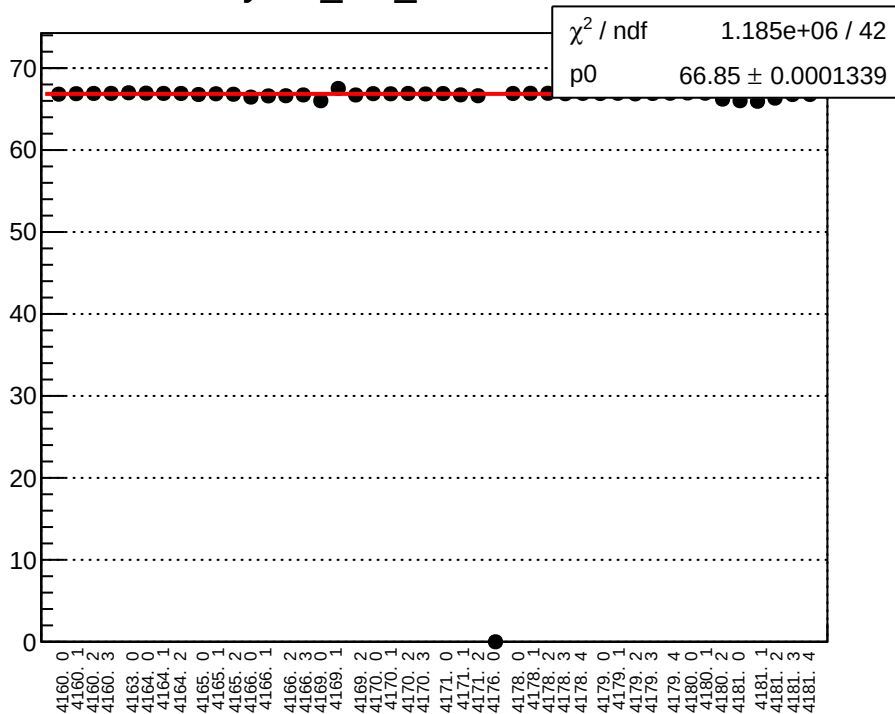
# yield\_usl\_mean vs run



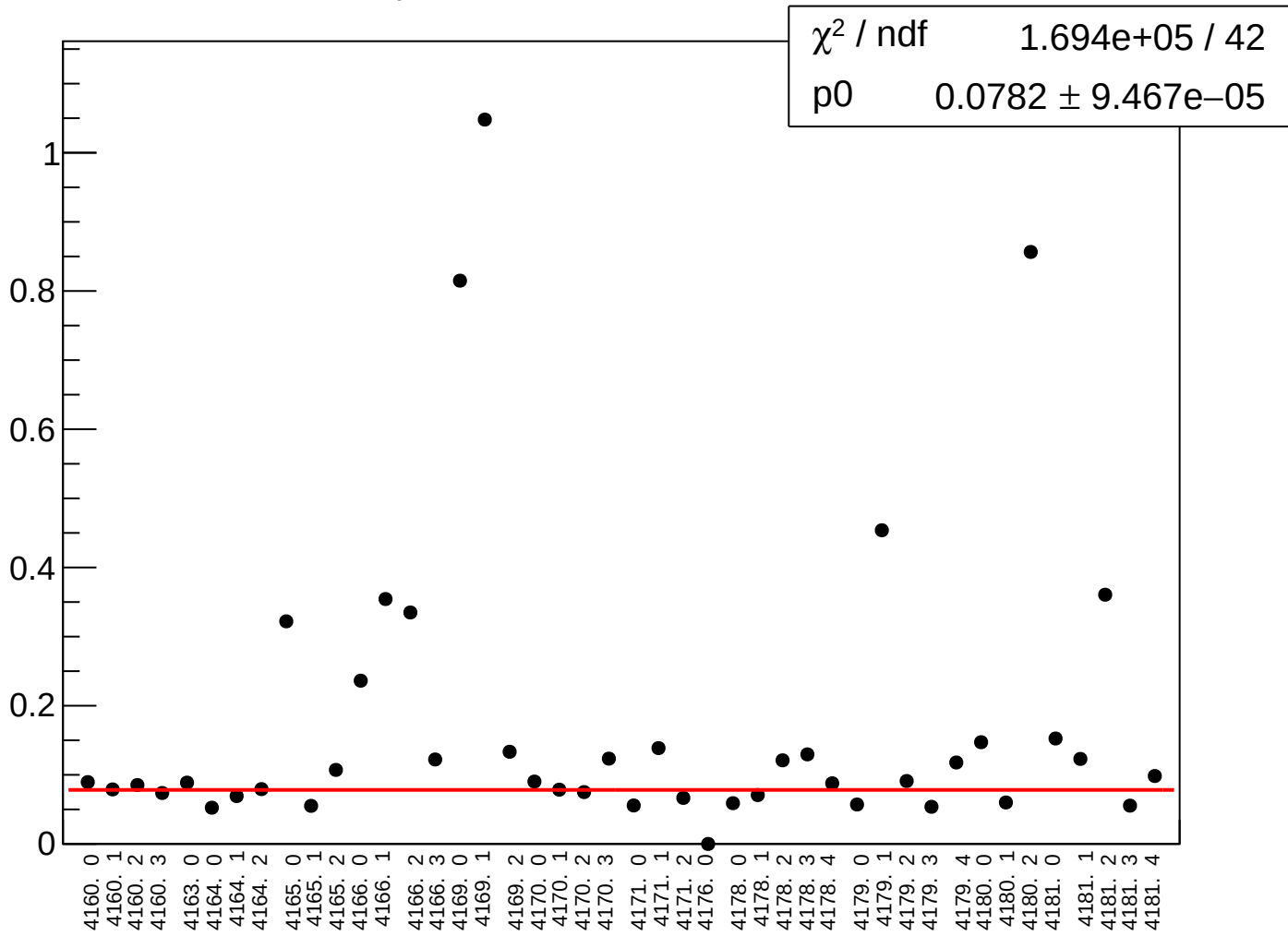
# yield\_usl\_rms vs run



# yield\_usr\_mean vs run

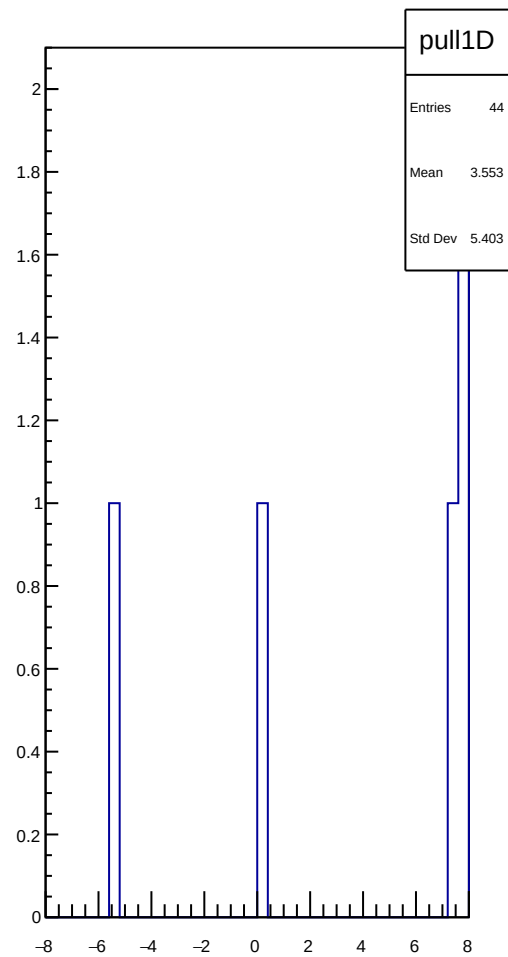
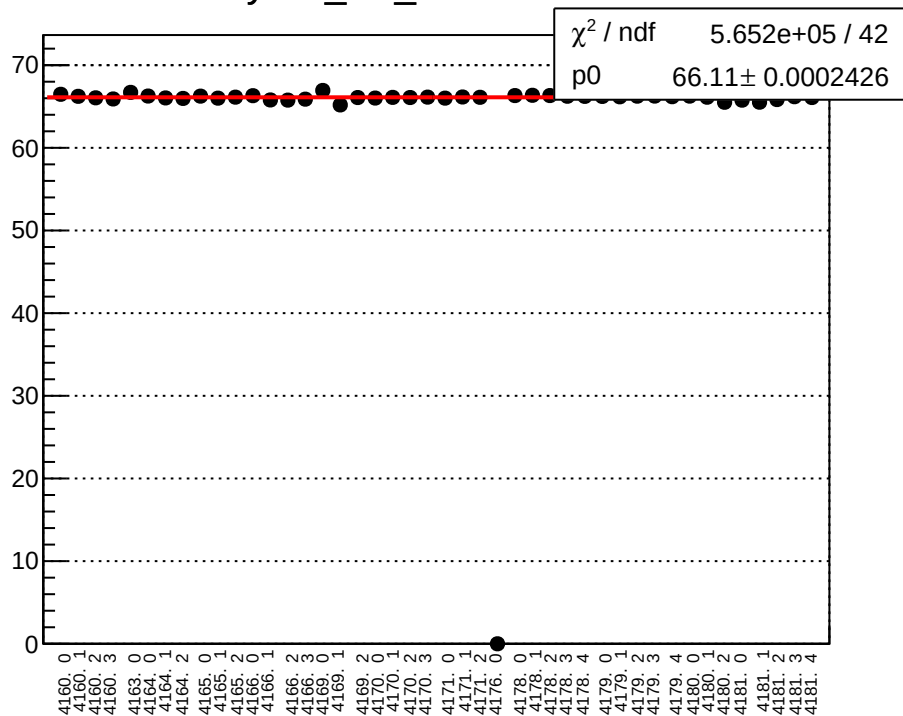


# yield\_usr\_rms vs run

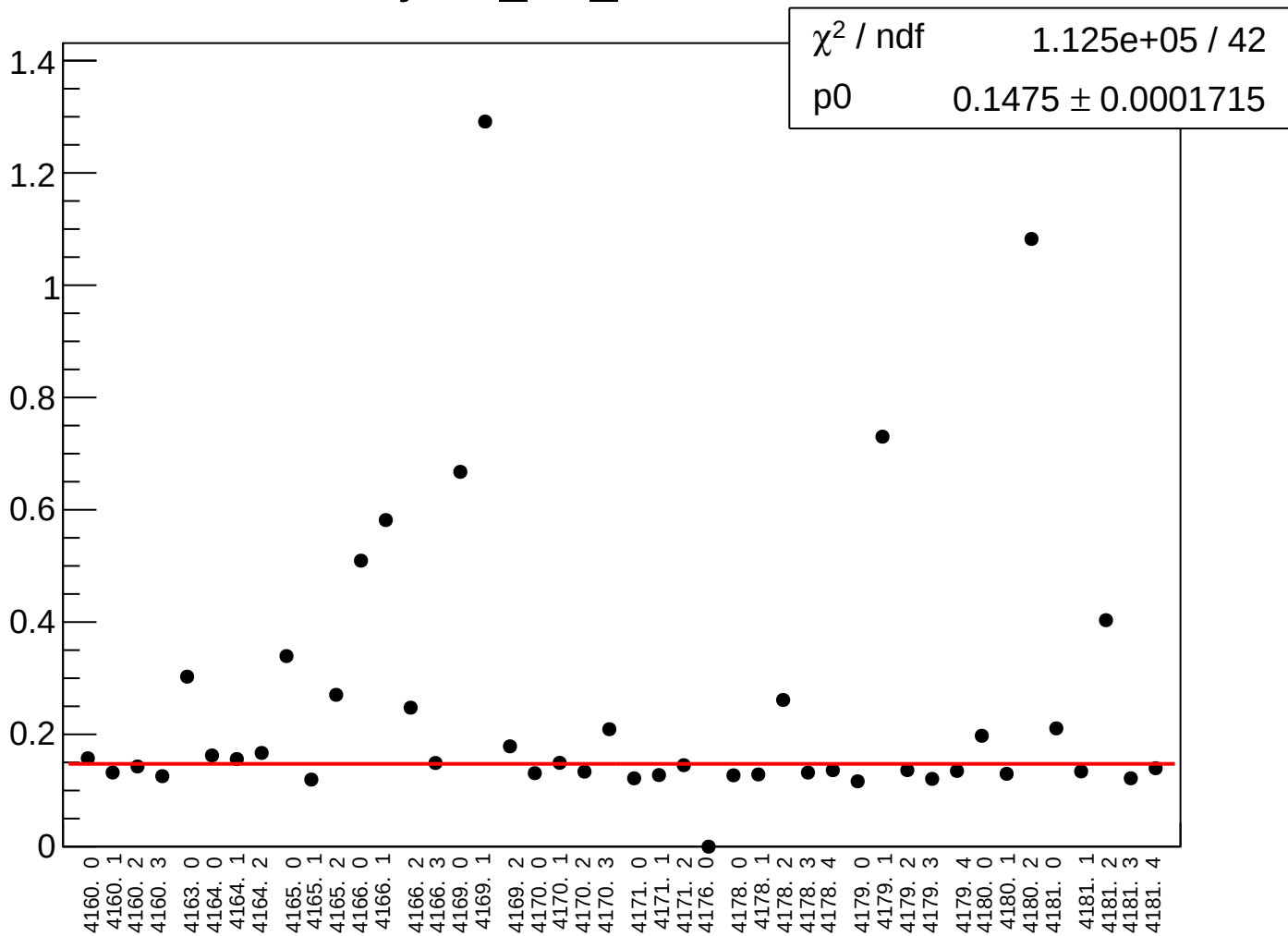




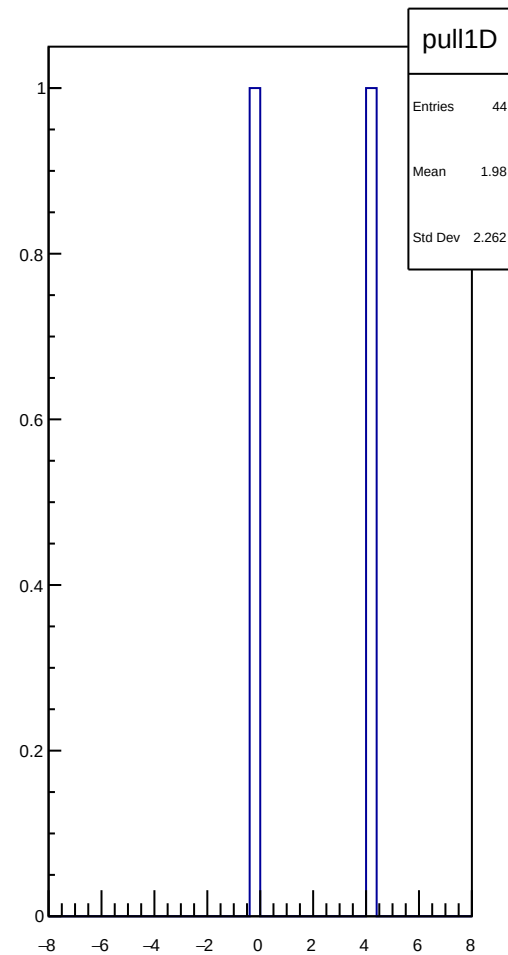
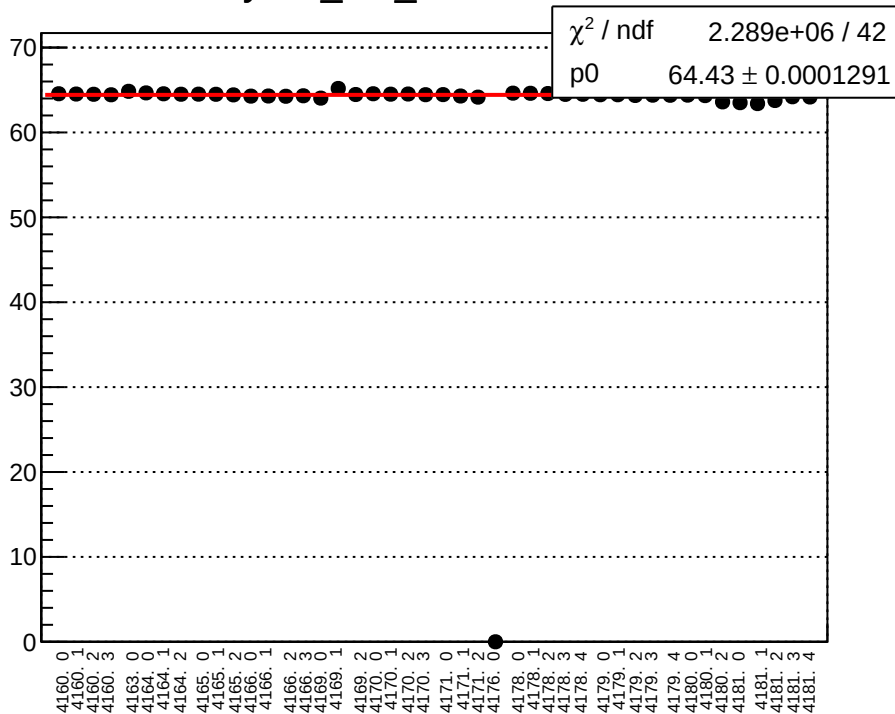
# yield\_dsl\_mean vs run



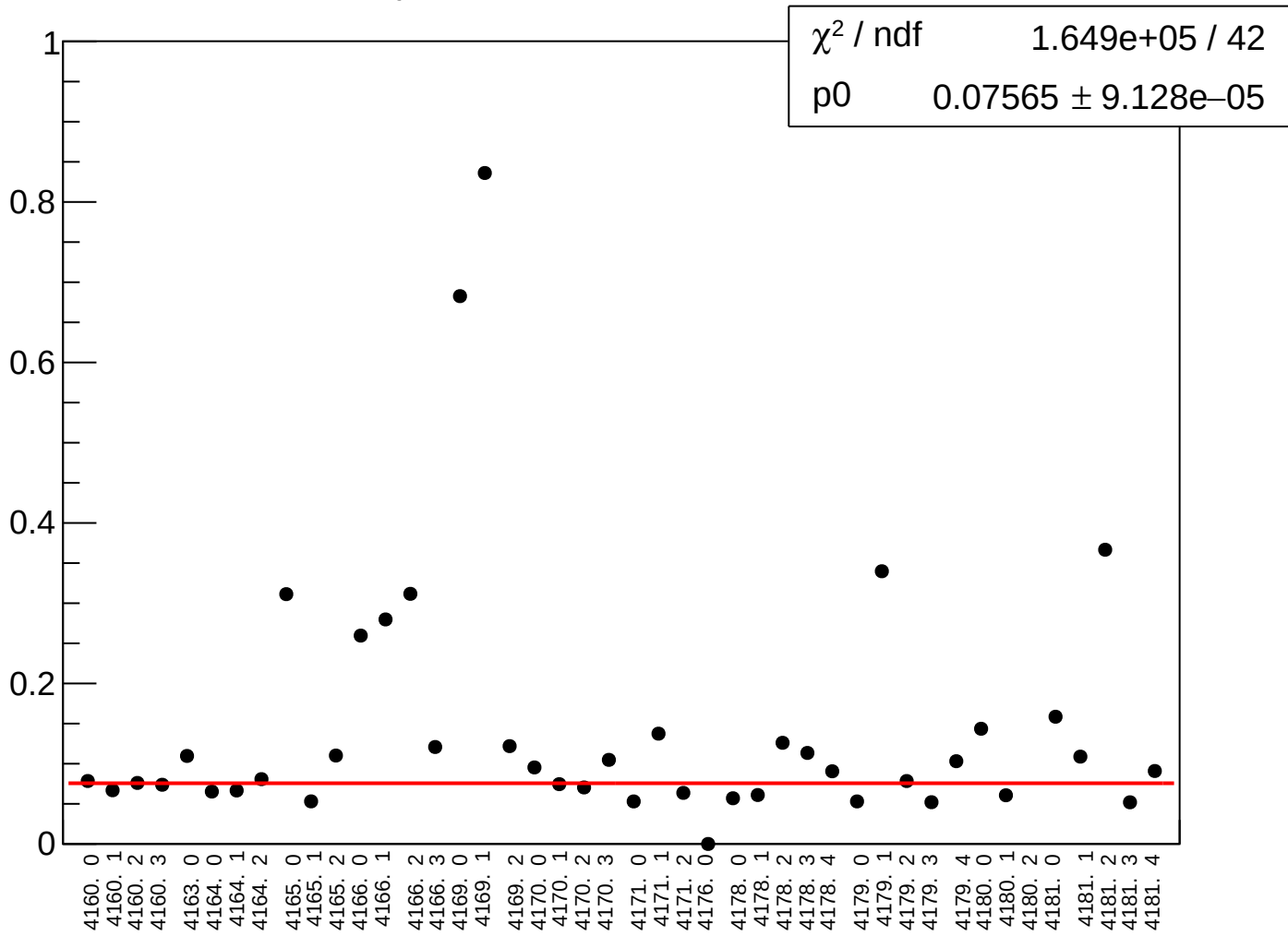
# yield\_dsl\_rms vs run



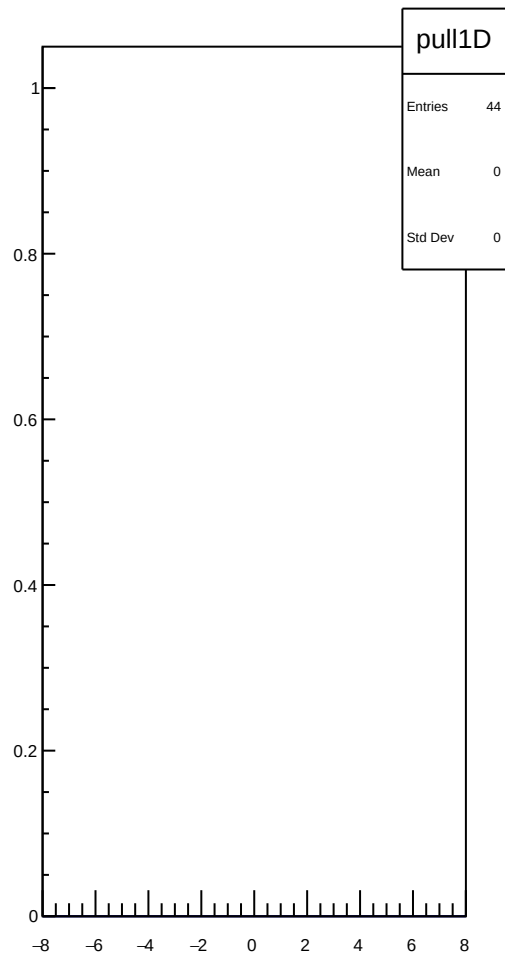
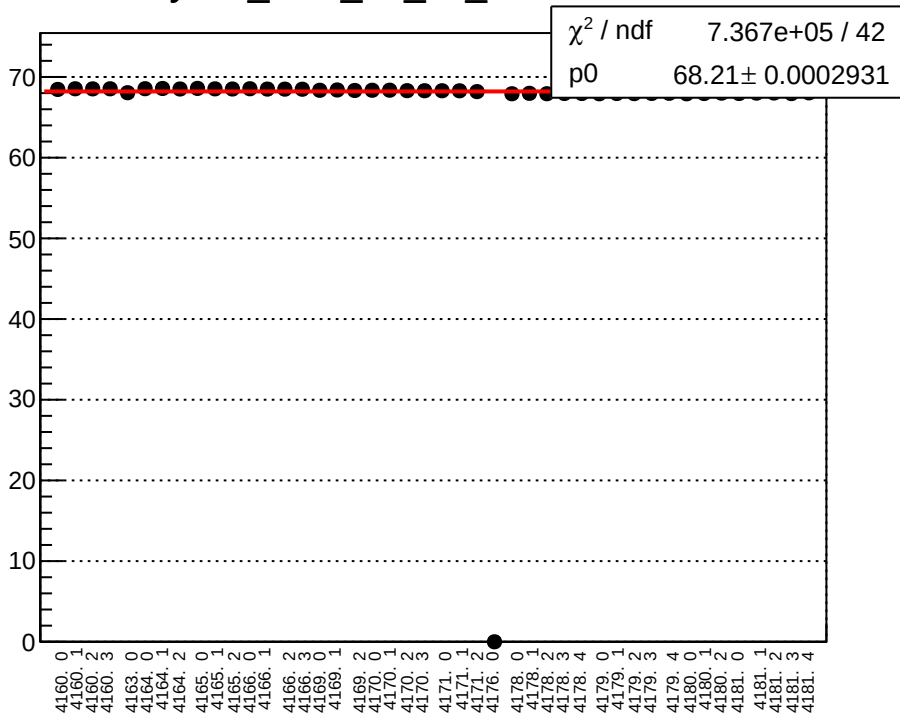
# yield\_dsr\_mean vs run



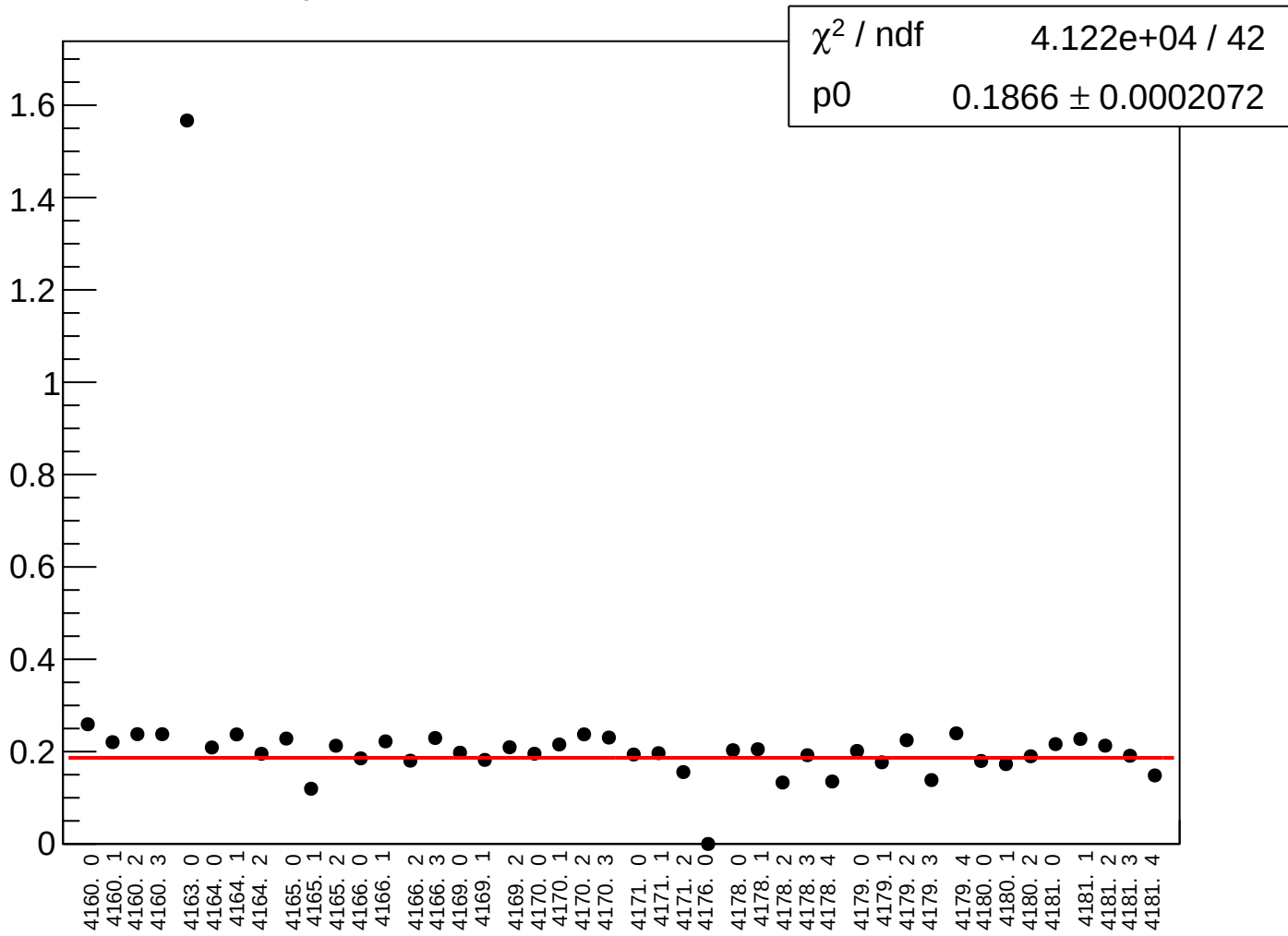
# yield\_dsr\_rms vs run



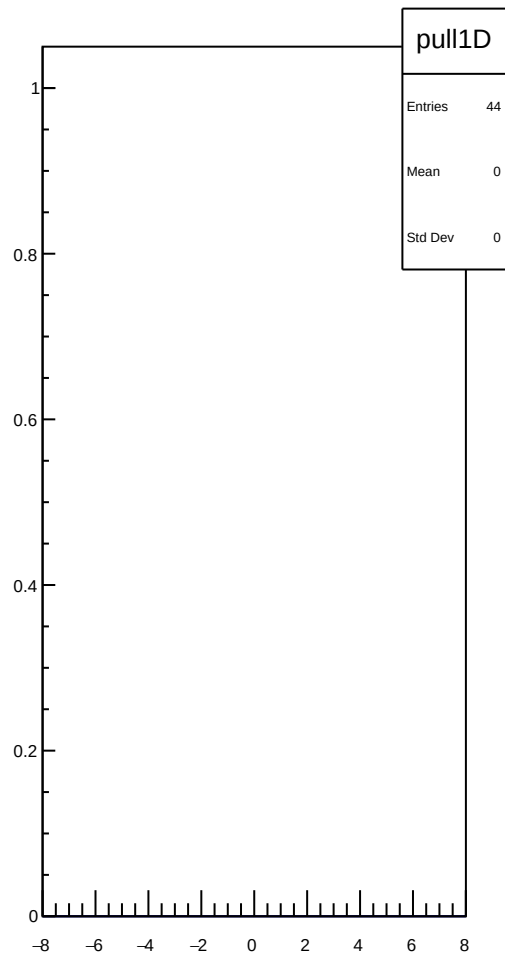
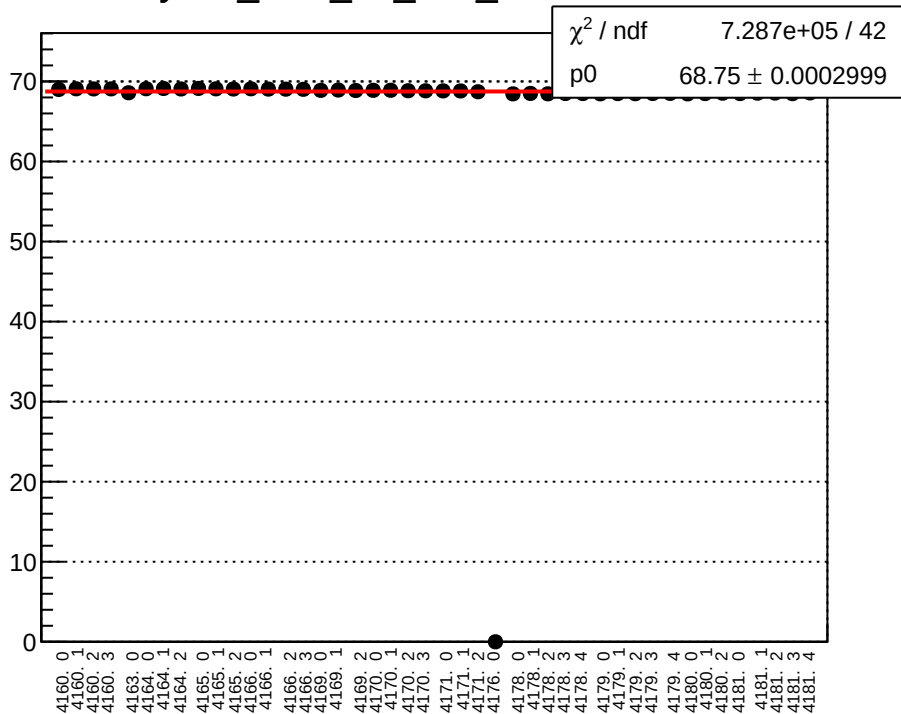
# yield\_bcm\_an\_ds\_mean vs run



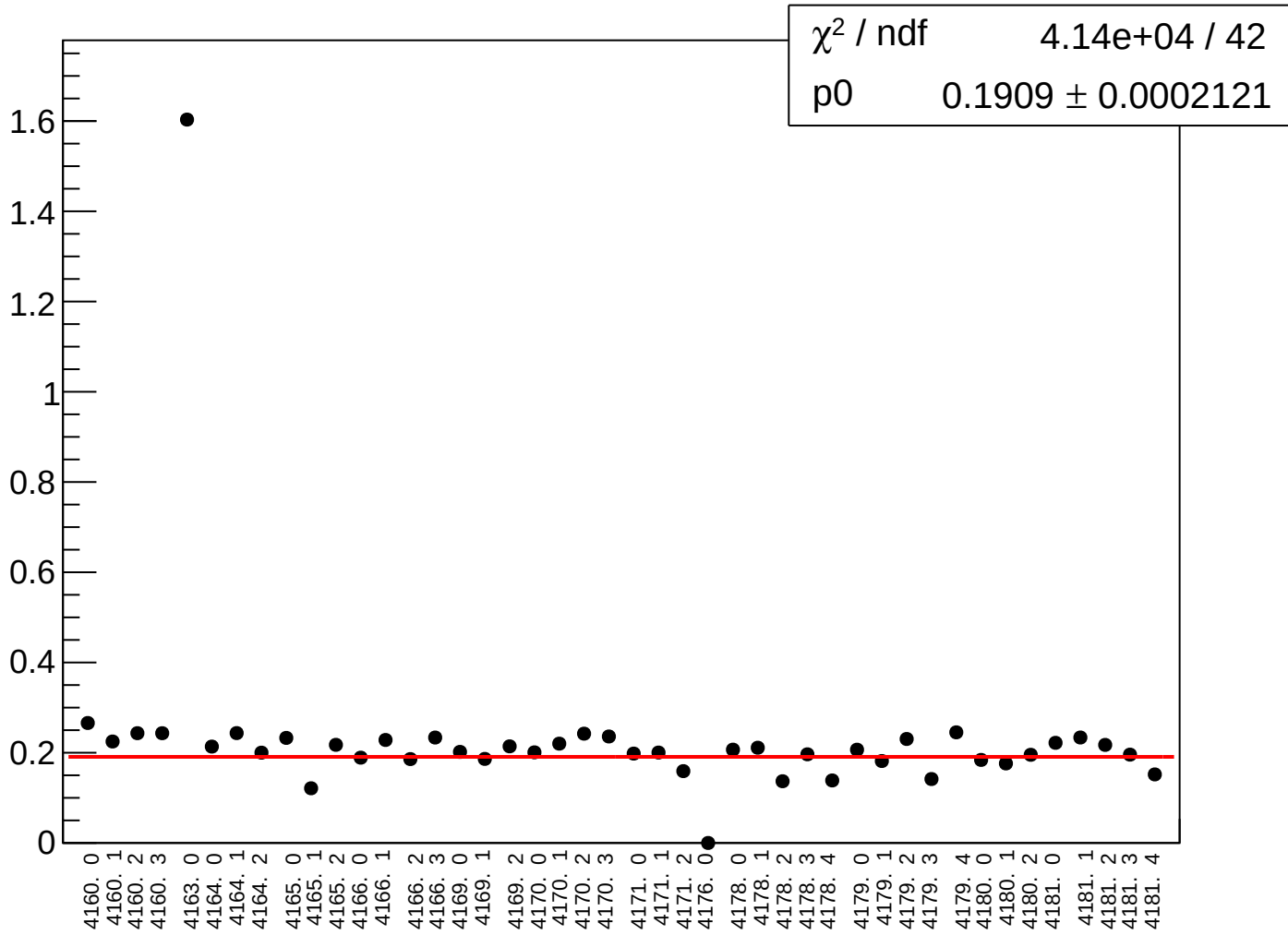
# yield\_bcm\_an\_ds\_rms vs run



yield\_bcm\_an\_ds3\_mean vs run

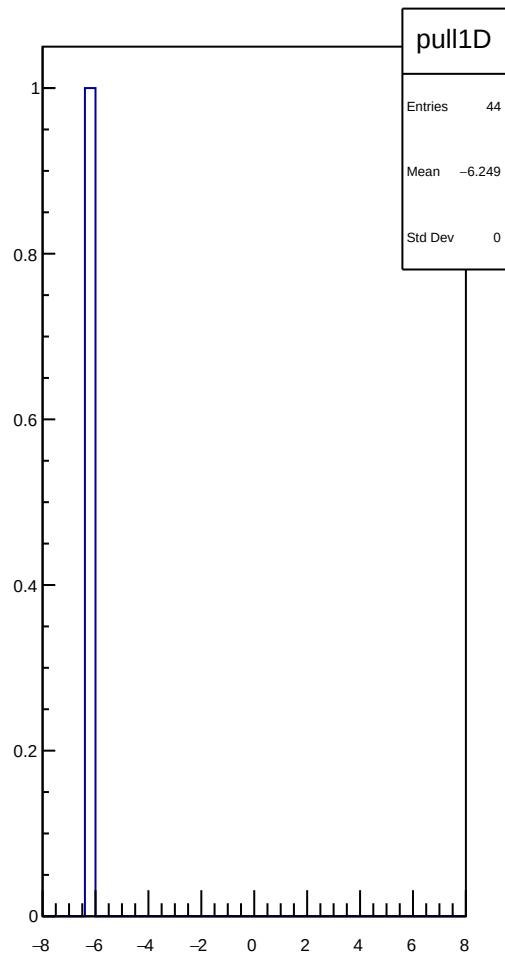
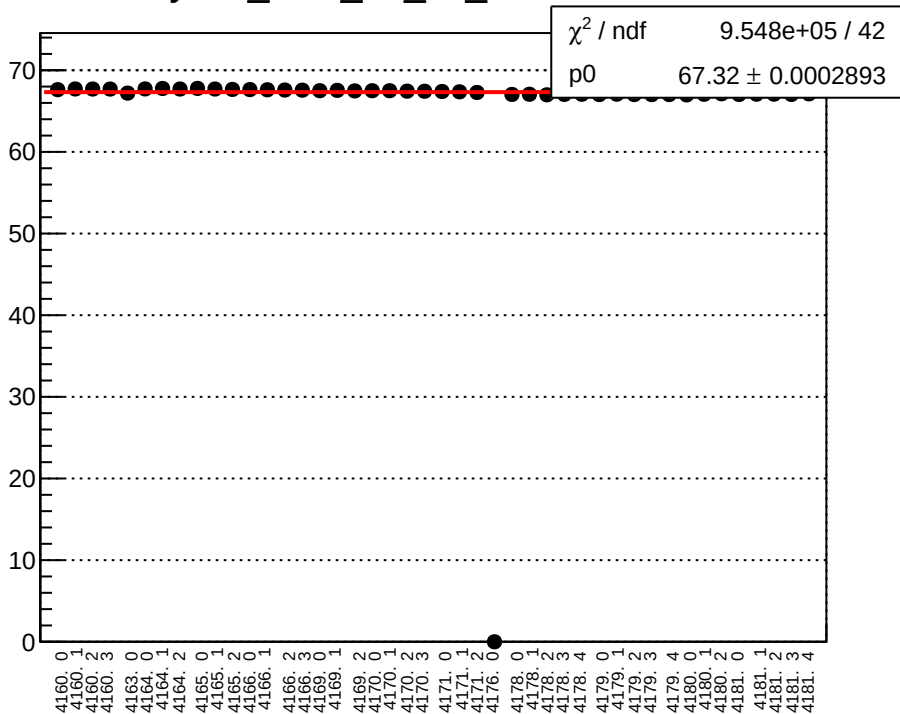


# yield\_bcm\_an\_ds3\_rms vs run

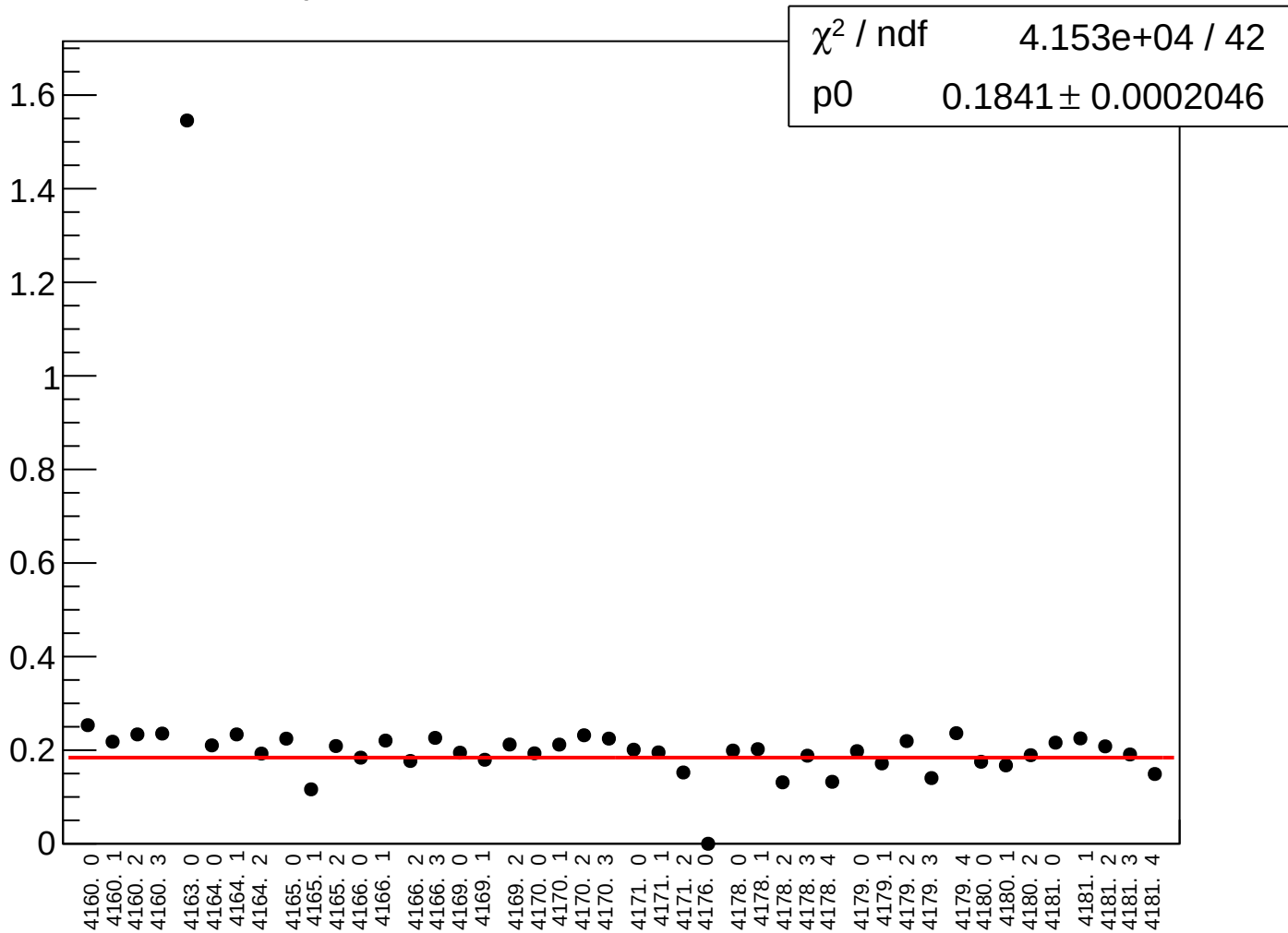




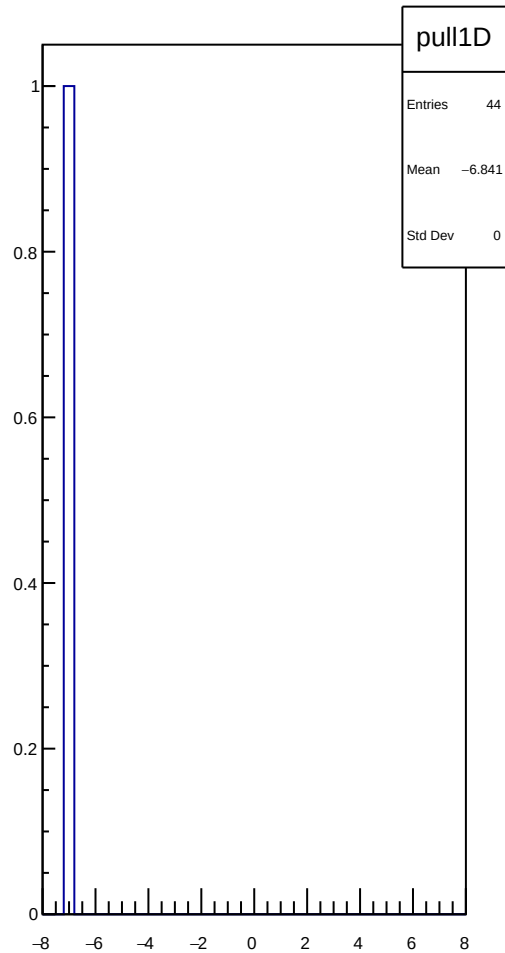
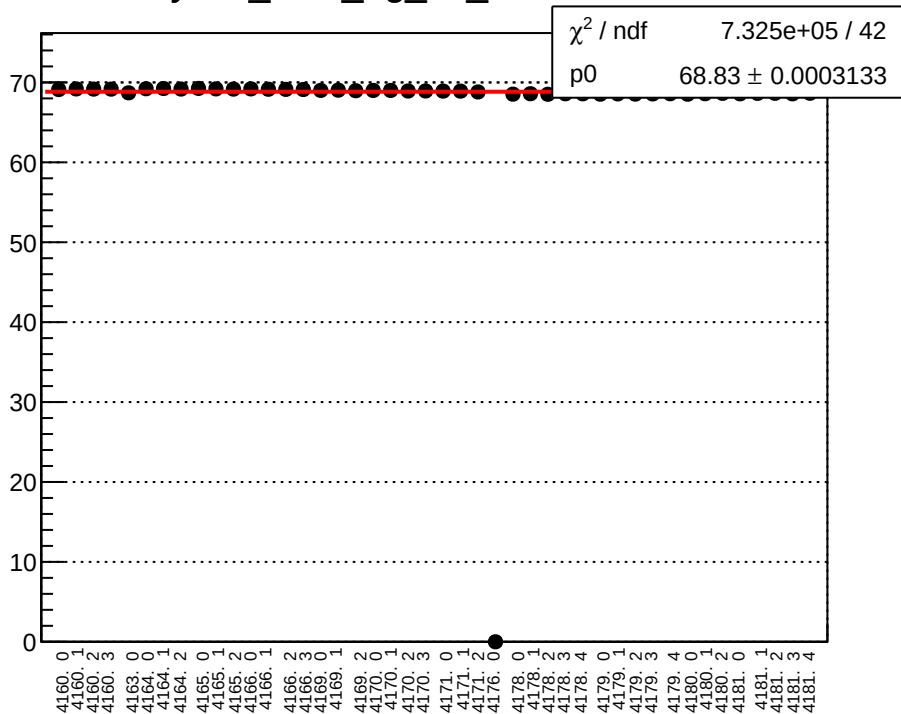
# yield\_bcm\_an\_us\_mean vs run



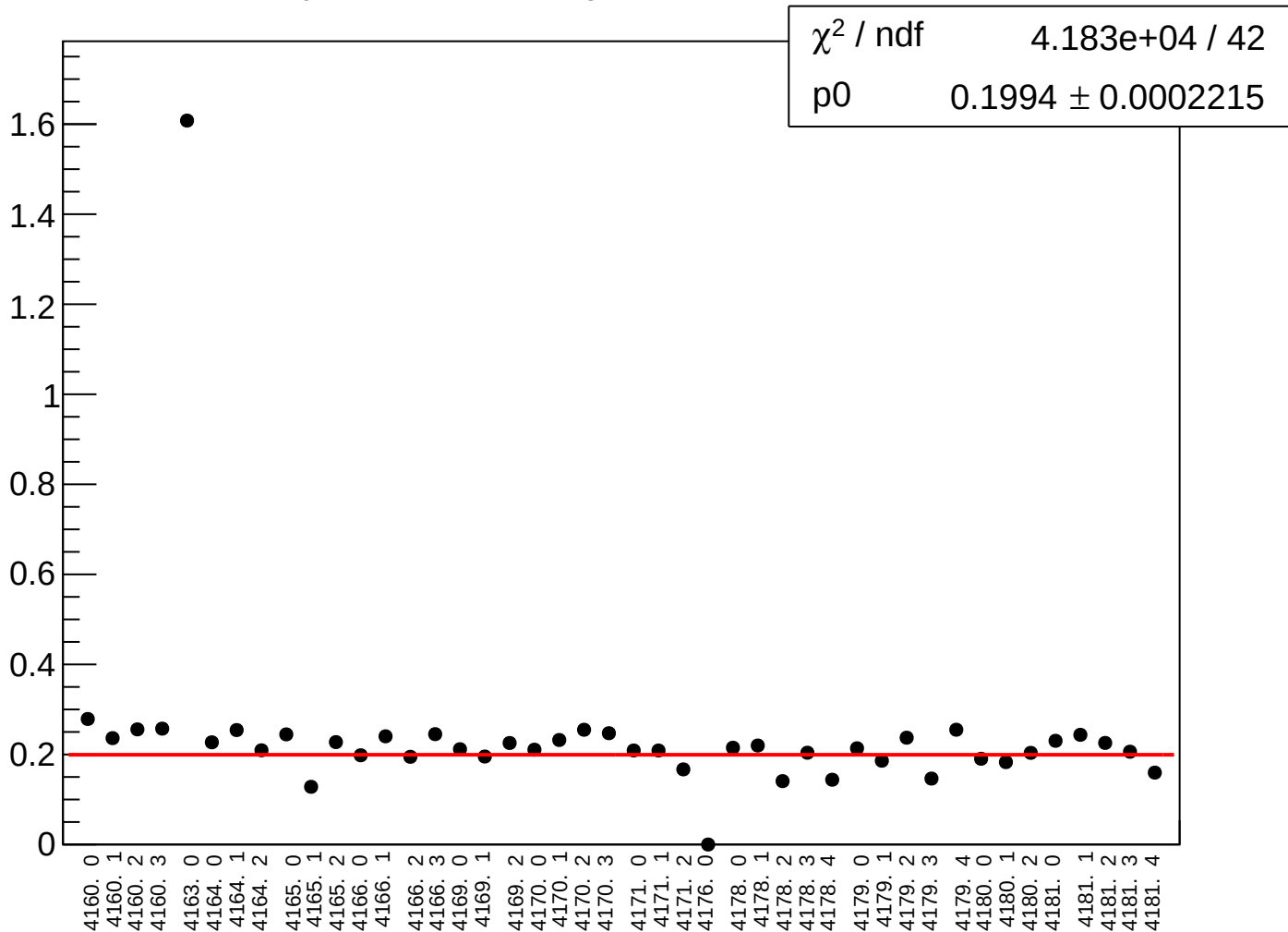
# yield\_bcm\_an\_us\_rms vs run



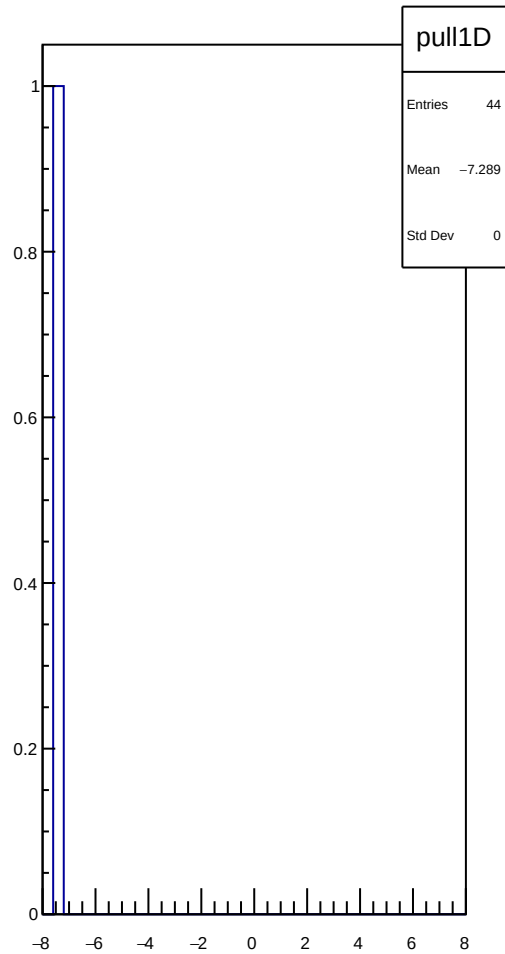
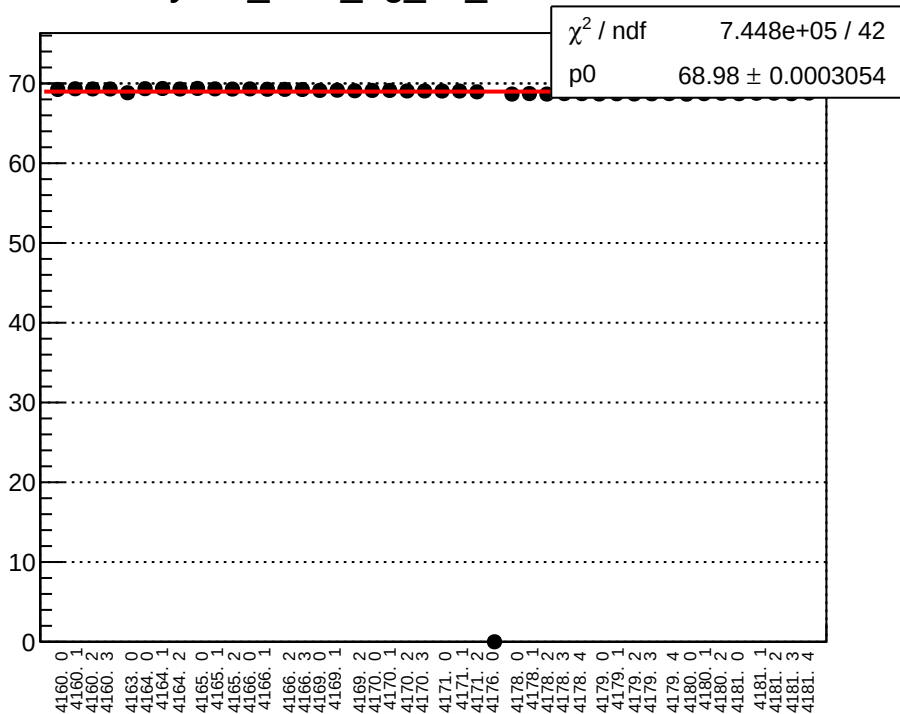
# yield\_bcm\_dg\_us\_mean vs run



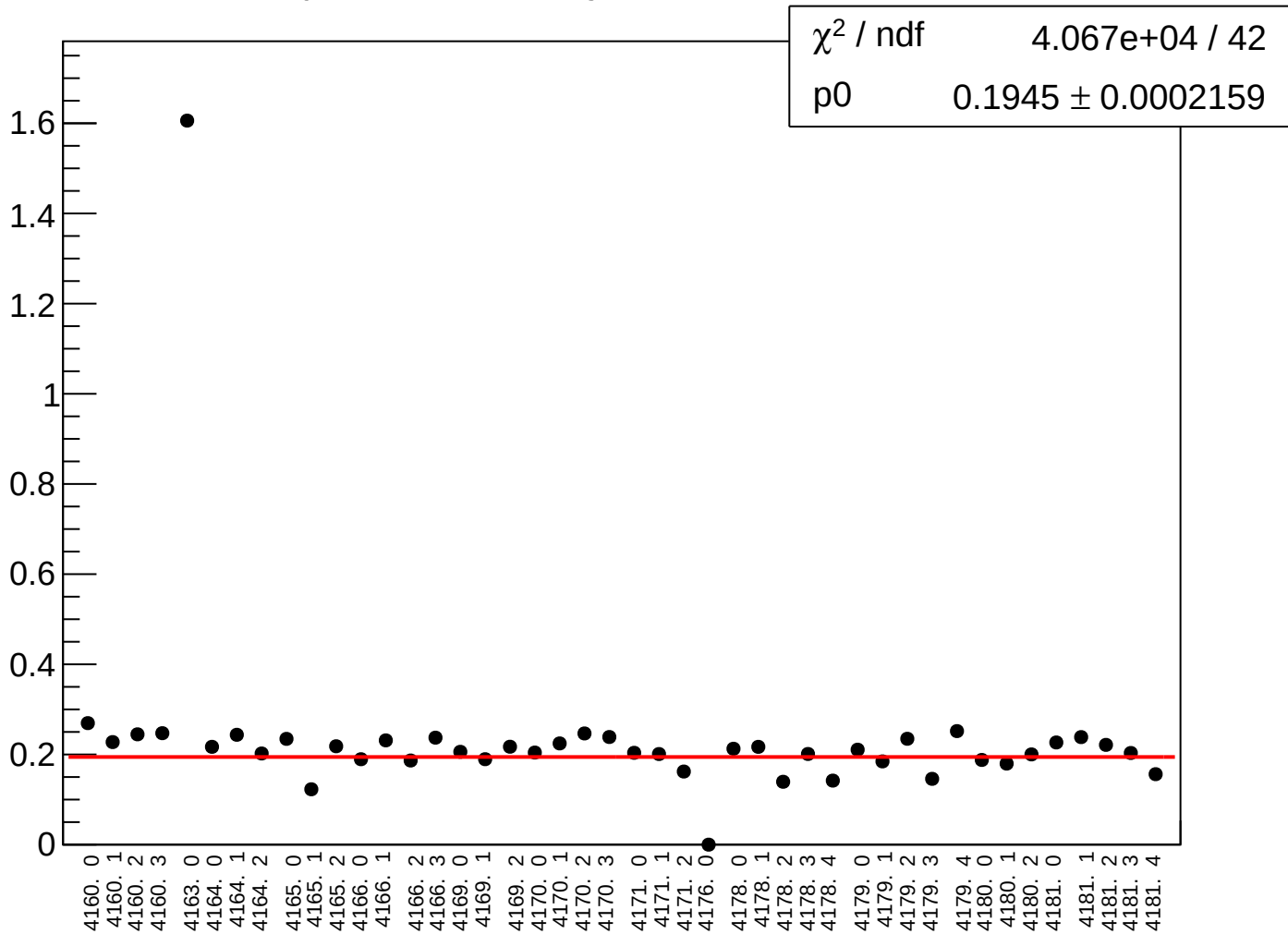
# yield\_bcm\_dg\_us\_rms vs run



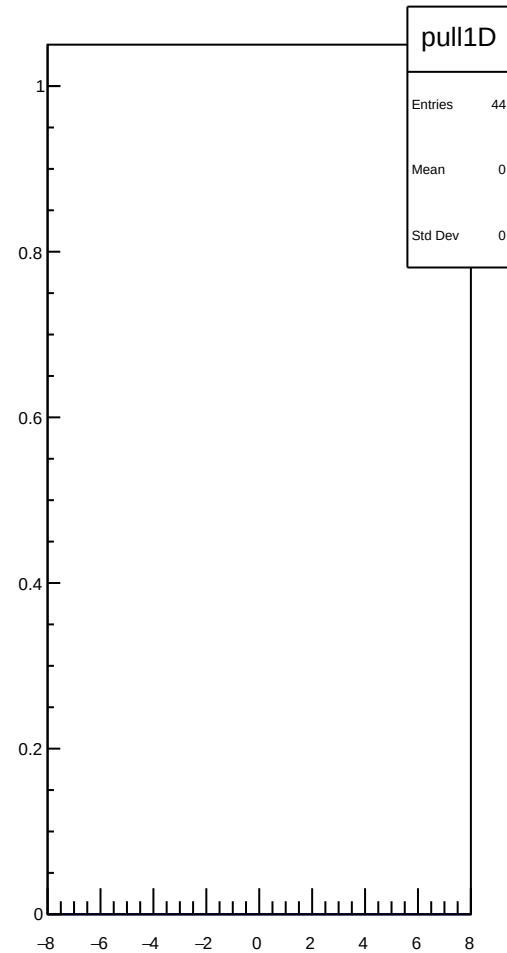
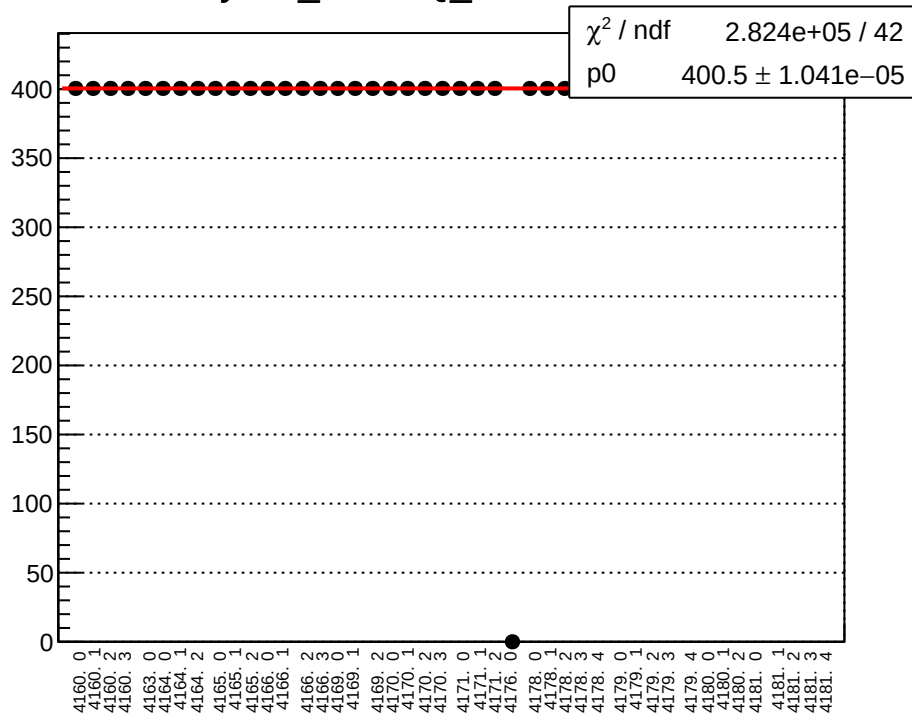
# yield\_bcm\_dg\_ds\_mean vs run



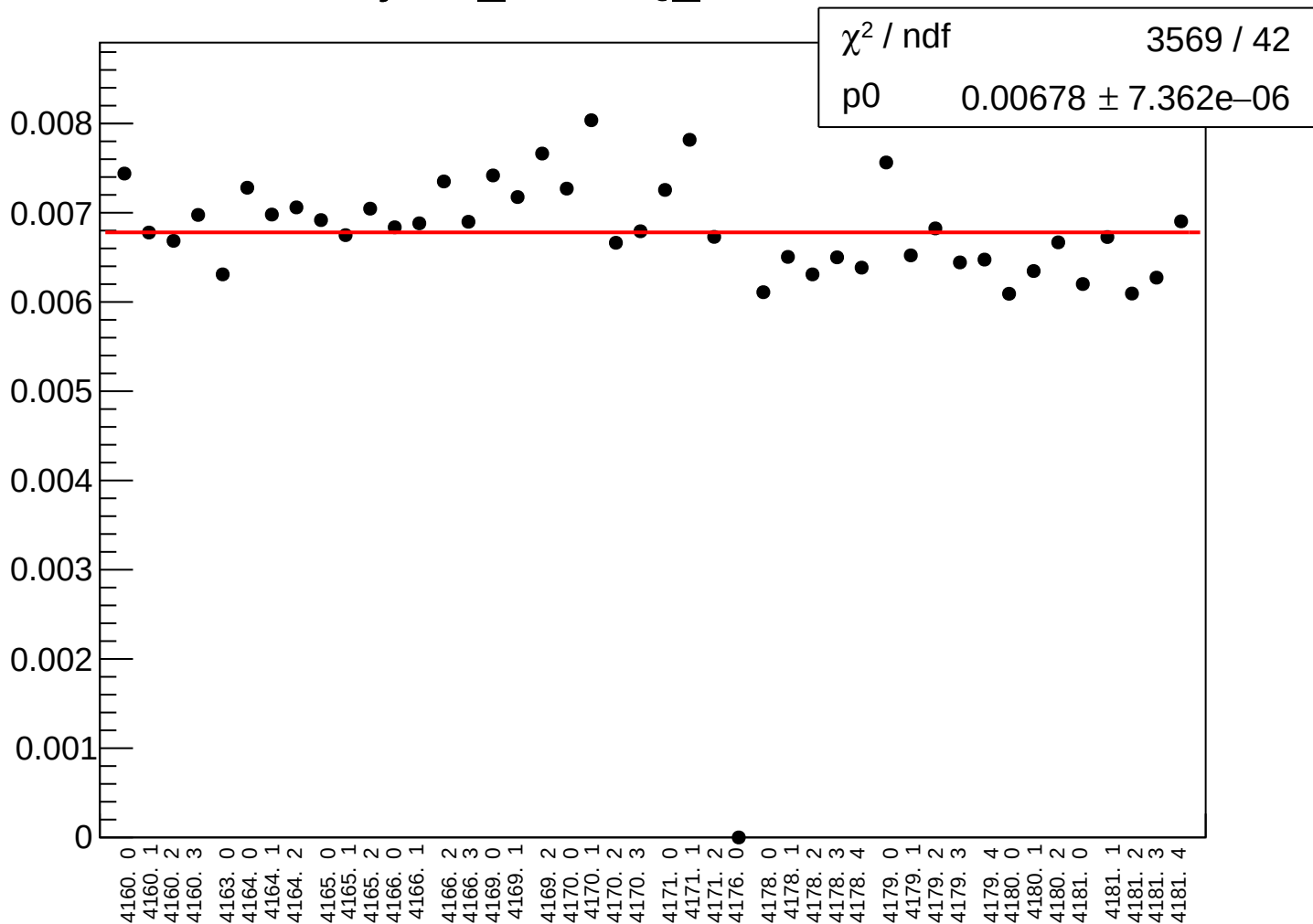
# yield\_bcm\_dg\_ds\_rms vs run



# yield\_cav4bQ\_mean vs run

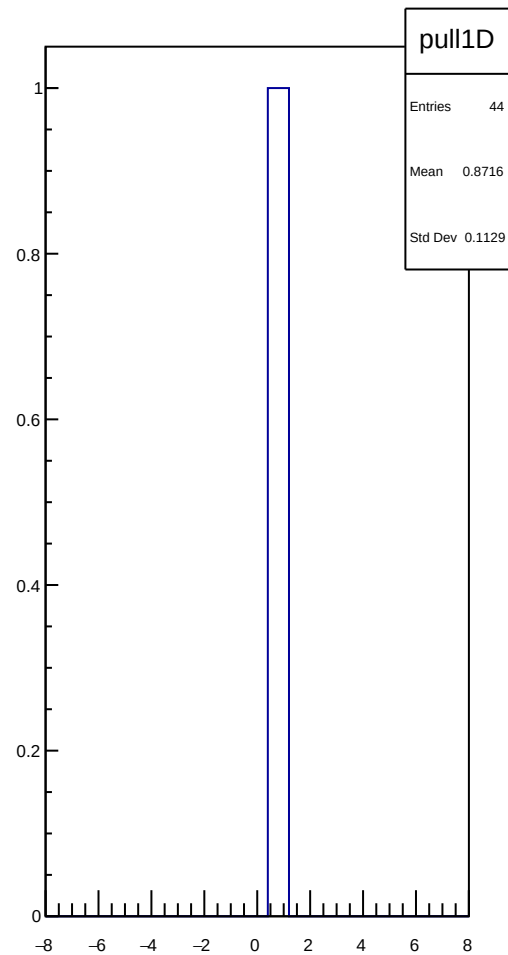
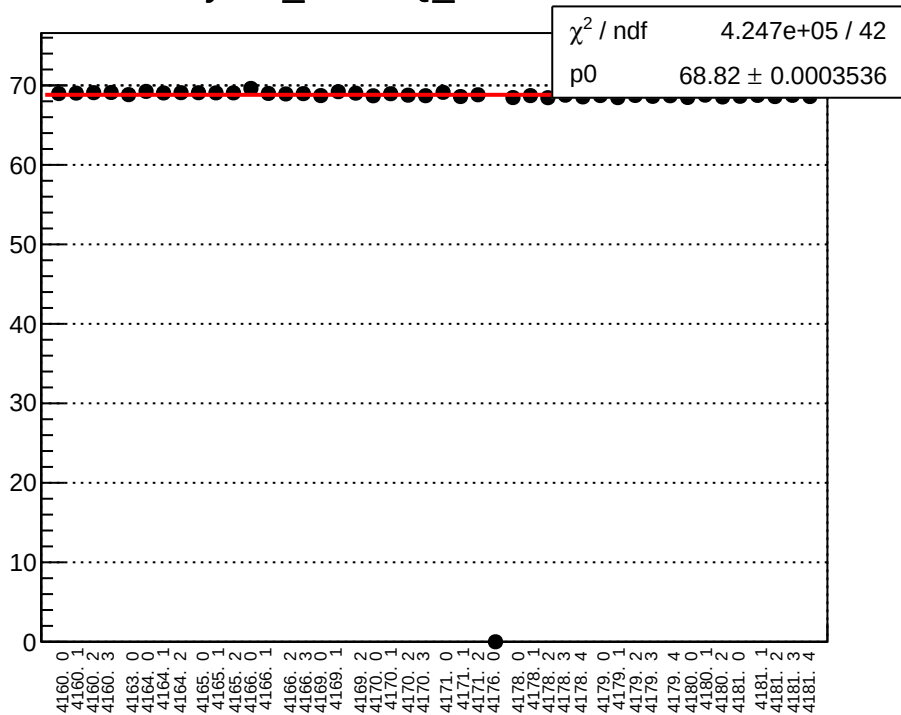


# yield\_cav4bQ\_rms vs run

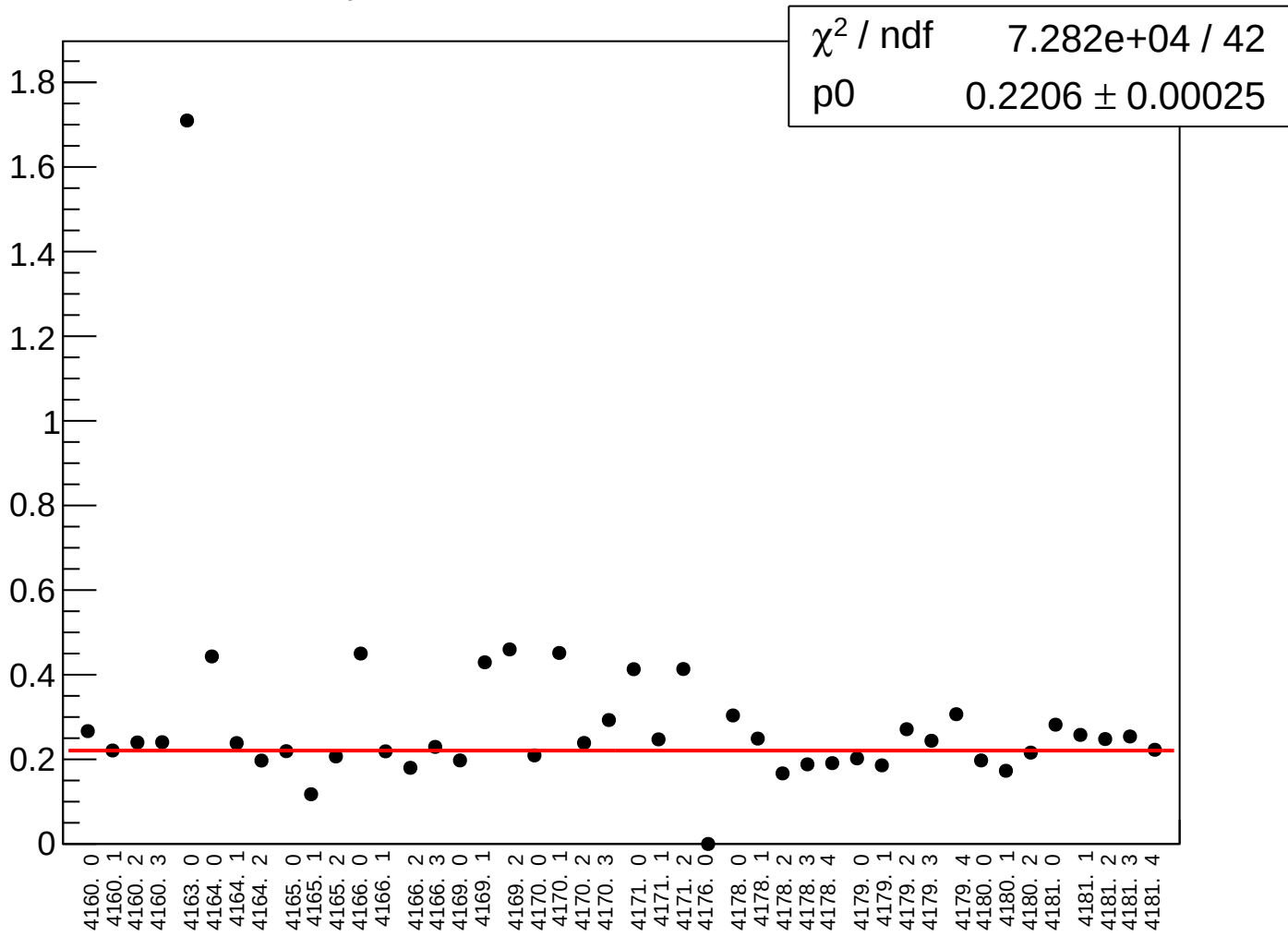




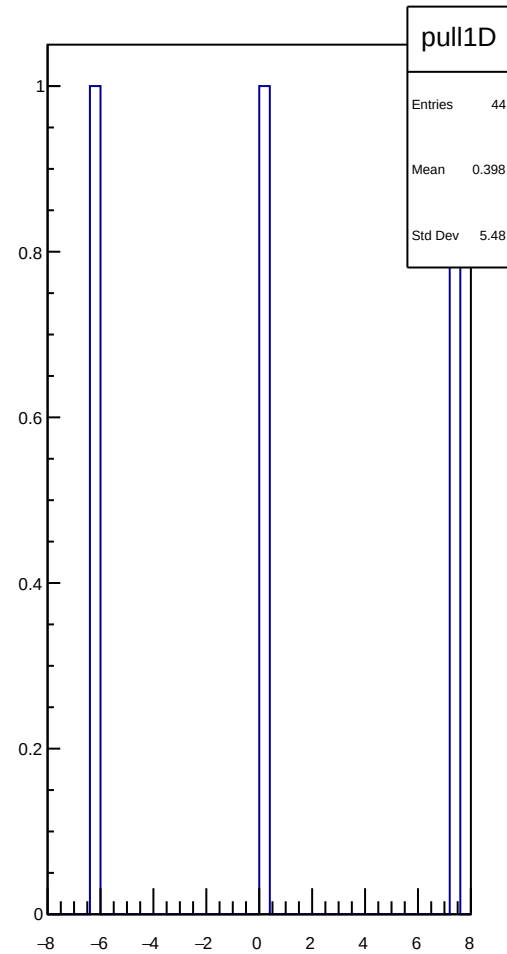
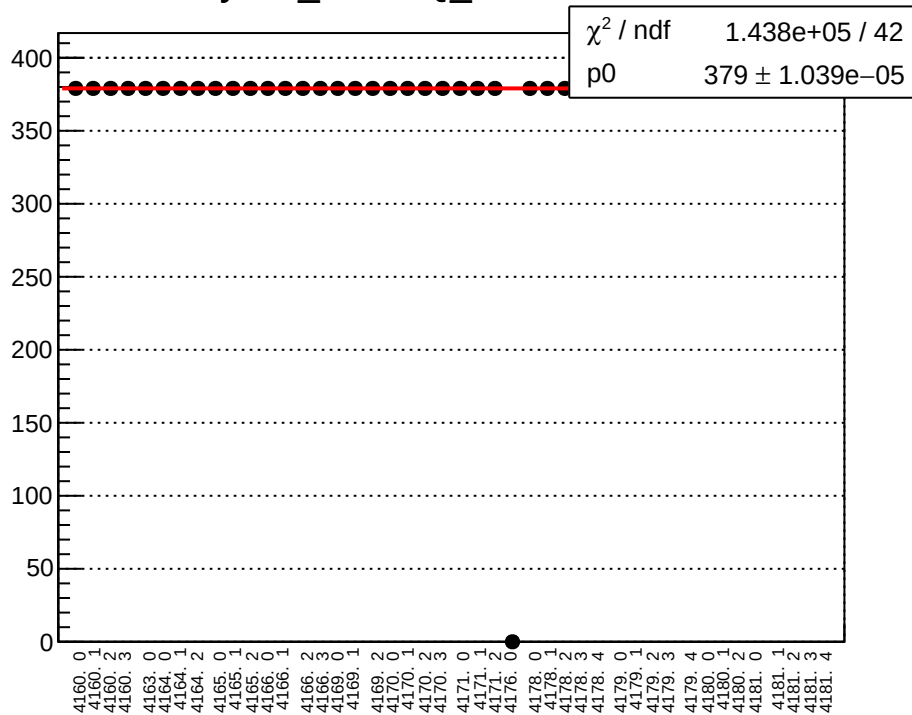
# yield\_cav4cQ\_mean vs run



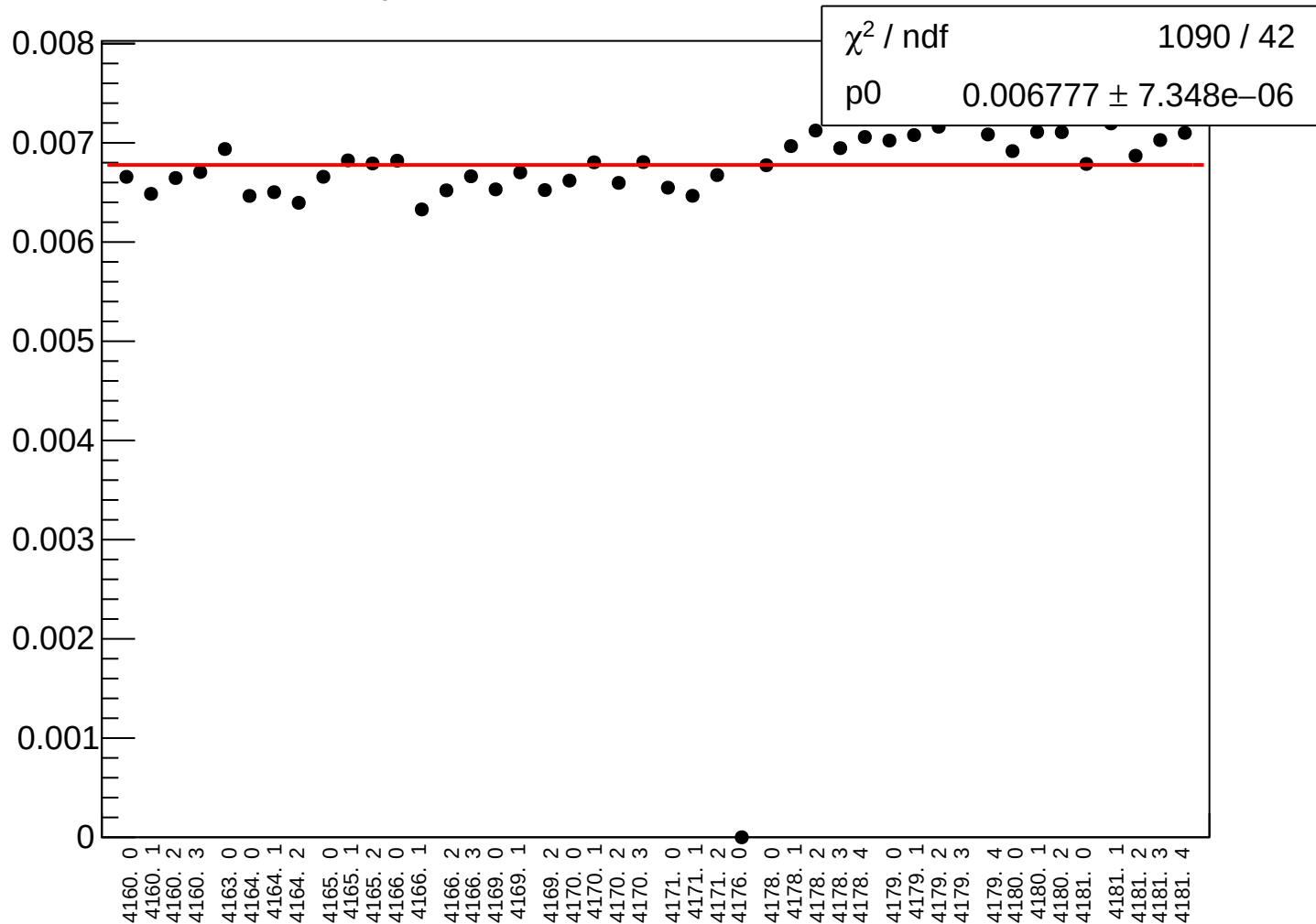
# yield\_cav4cQ\_rms vs run



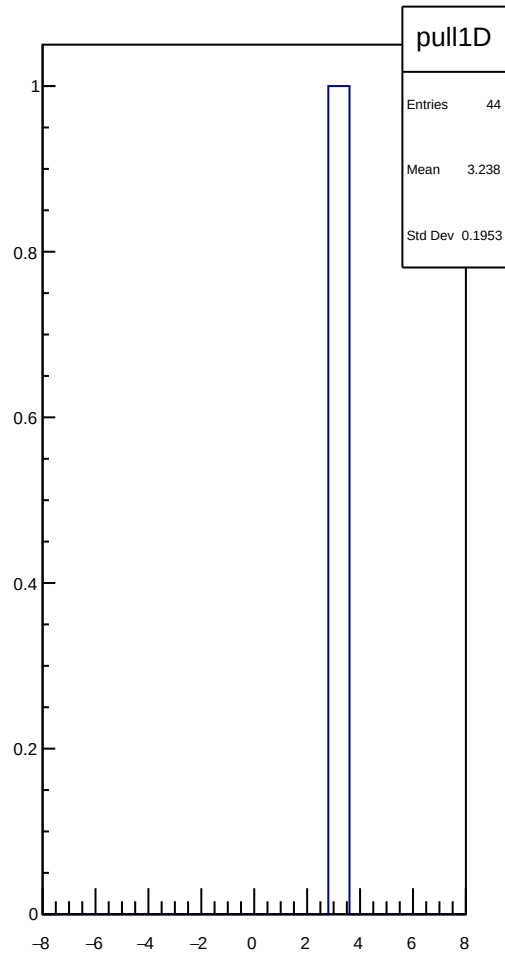
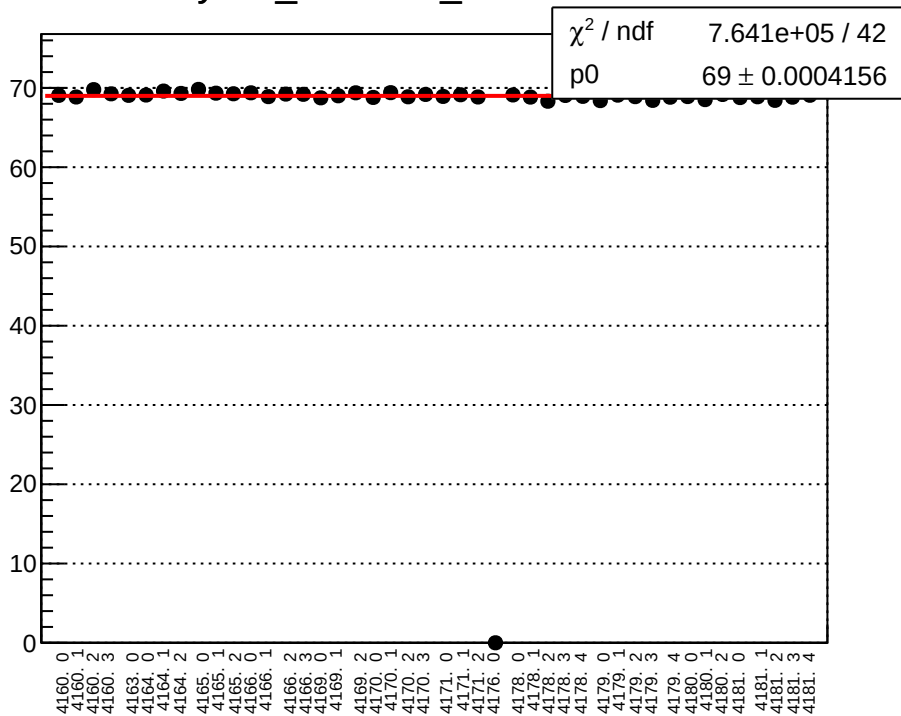
# yield\_cav4dQ\_mean vs run



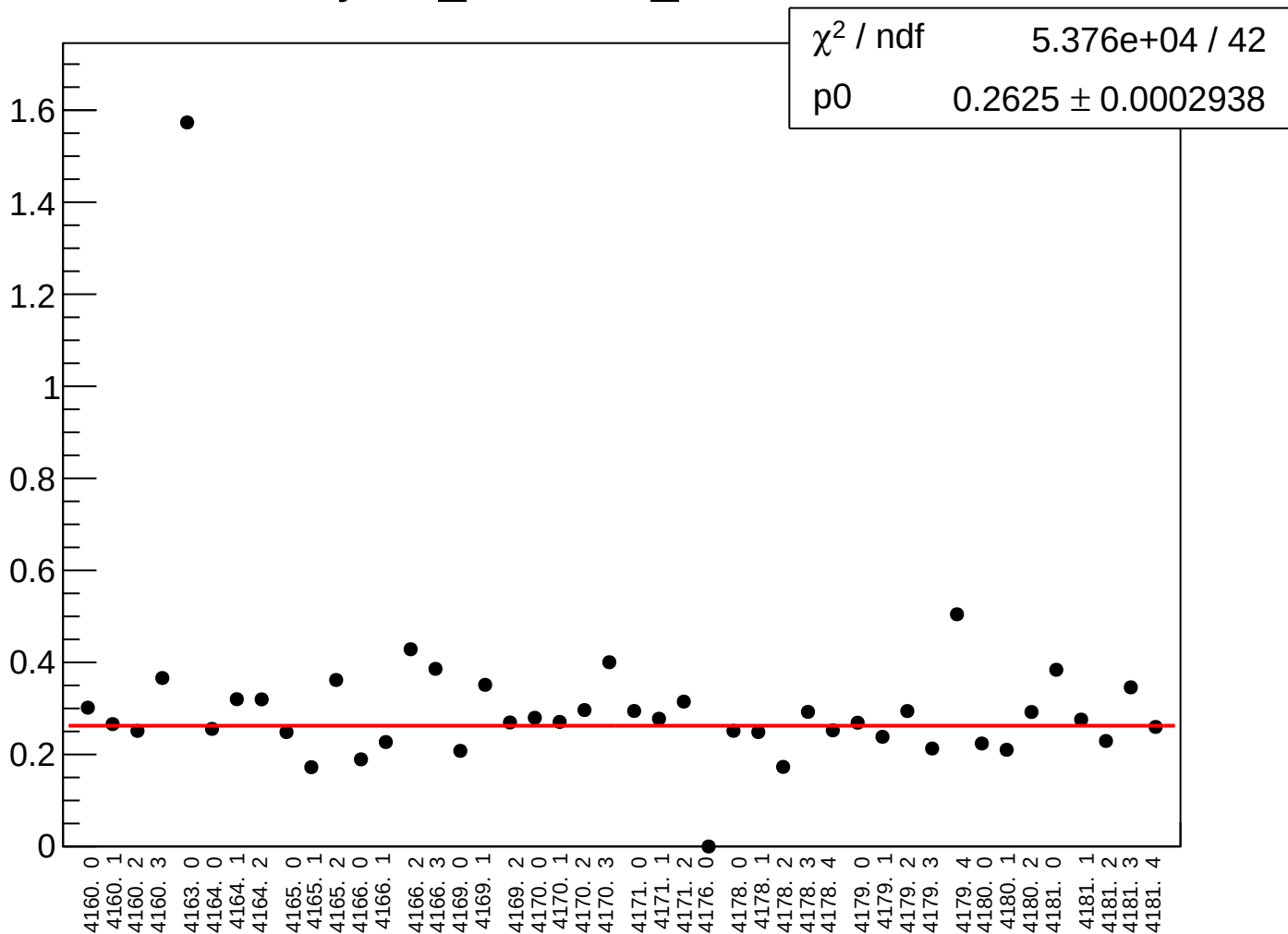
# yield\_cav4dQ\_rms vs run



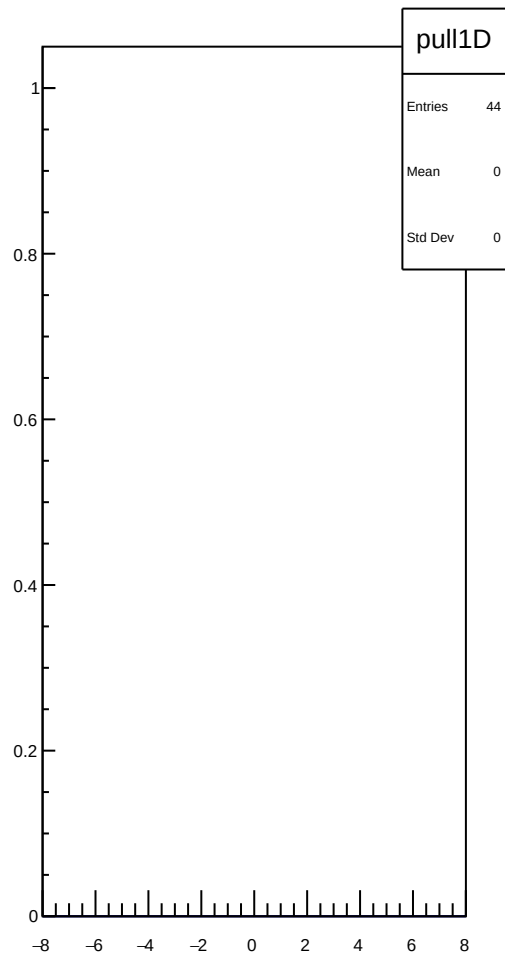
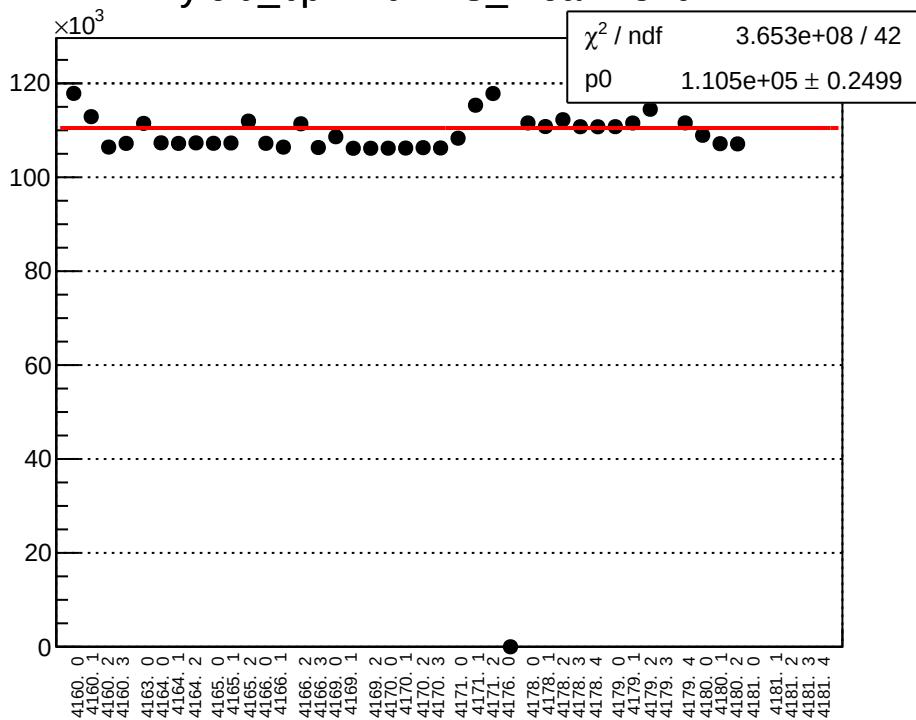
yield\_bcm0l02\_mean vs run



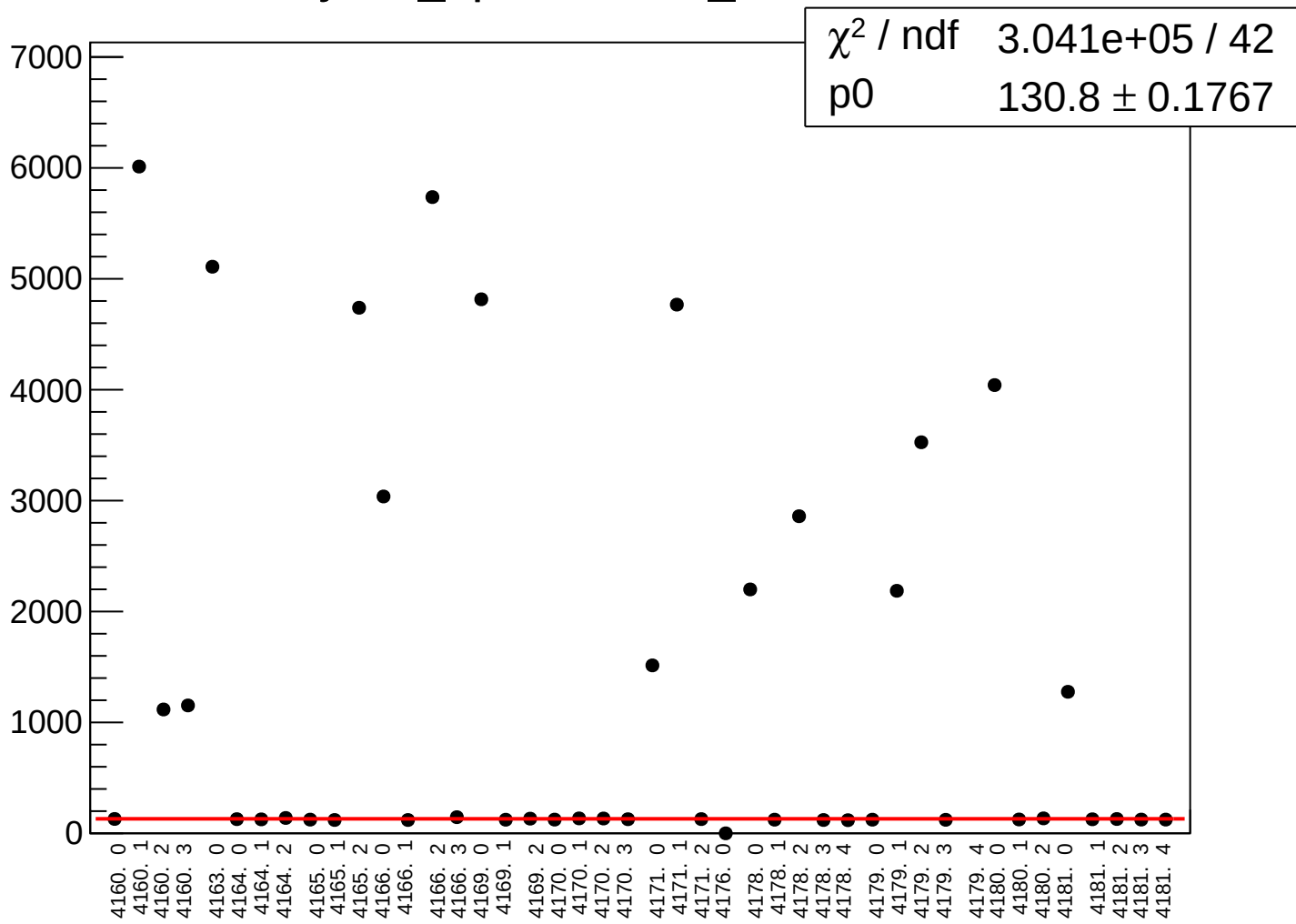
# yield\_bcm0l02\_rms vs run



yield\_bpm2i01WS\_mean vs run

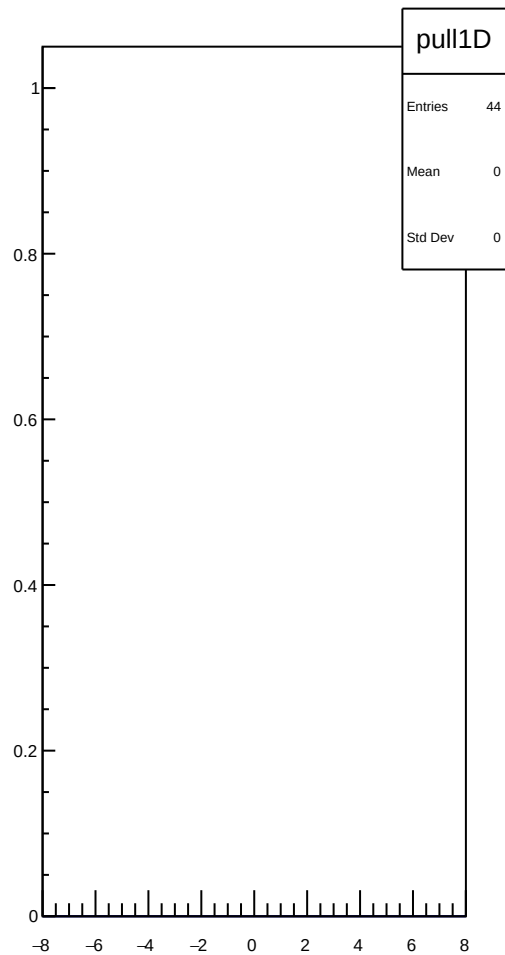
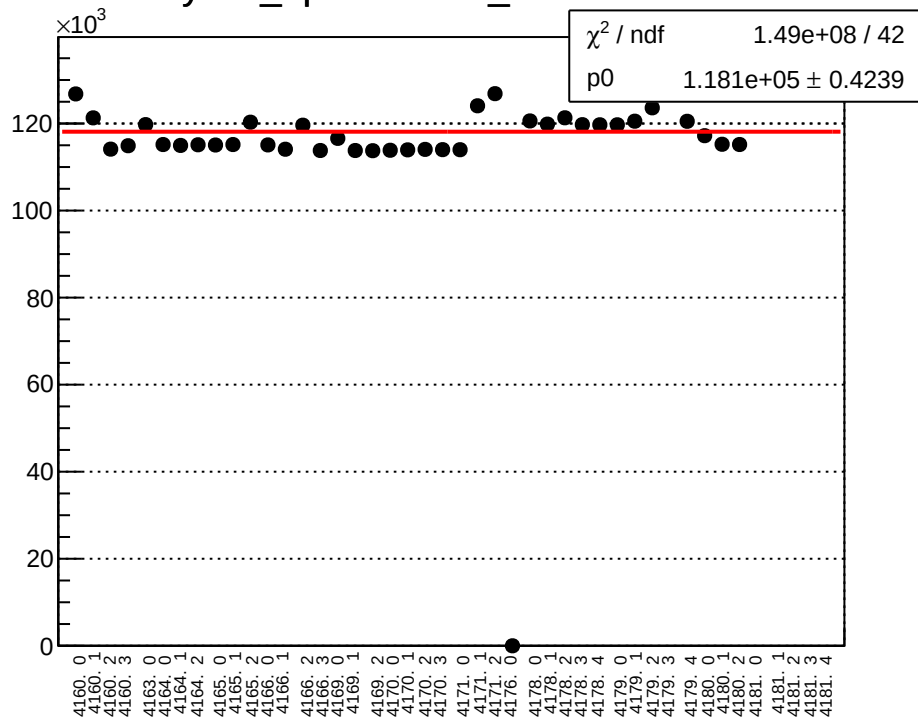


yield\_bpm2i01WS\_rms vs run

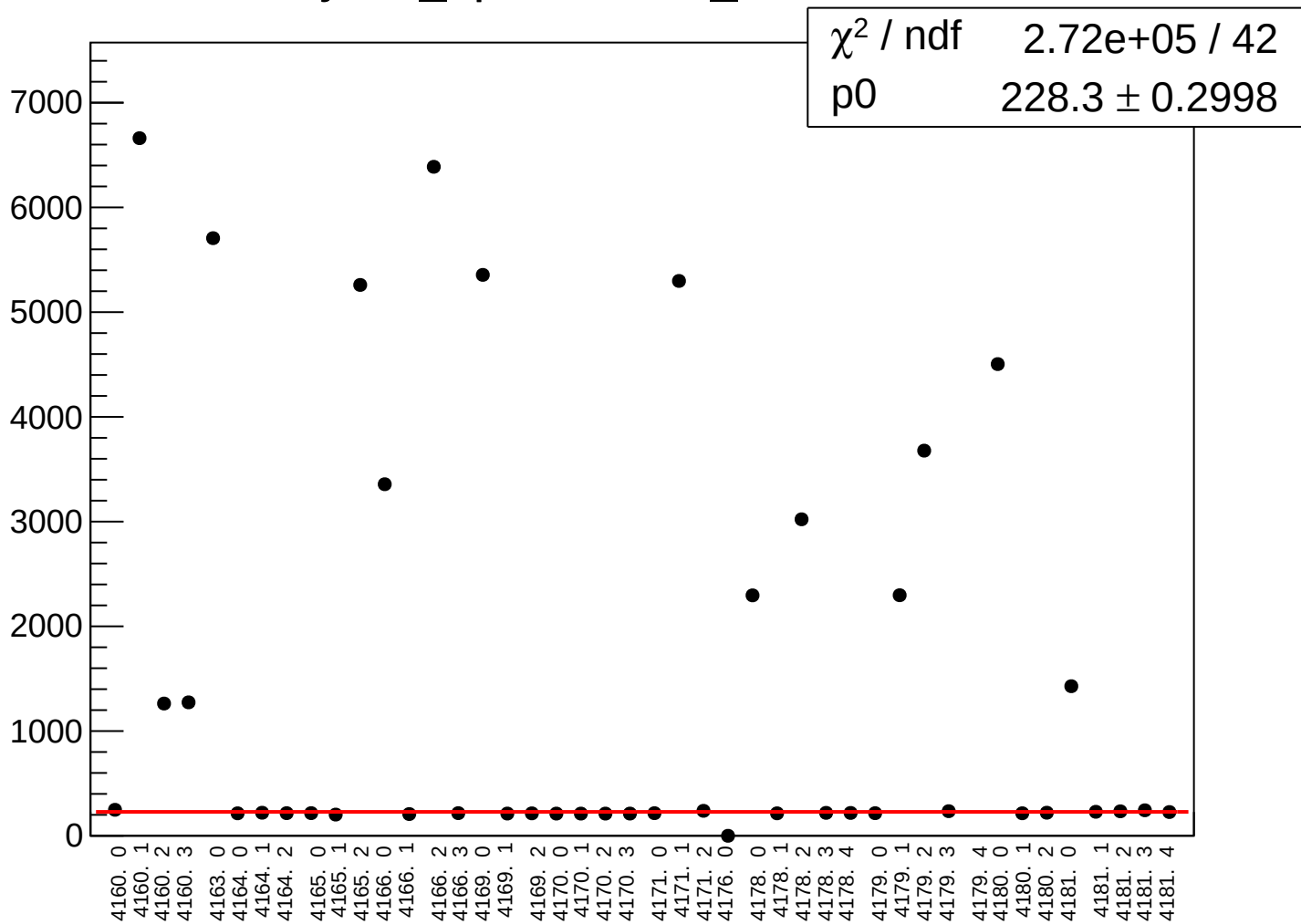




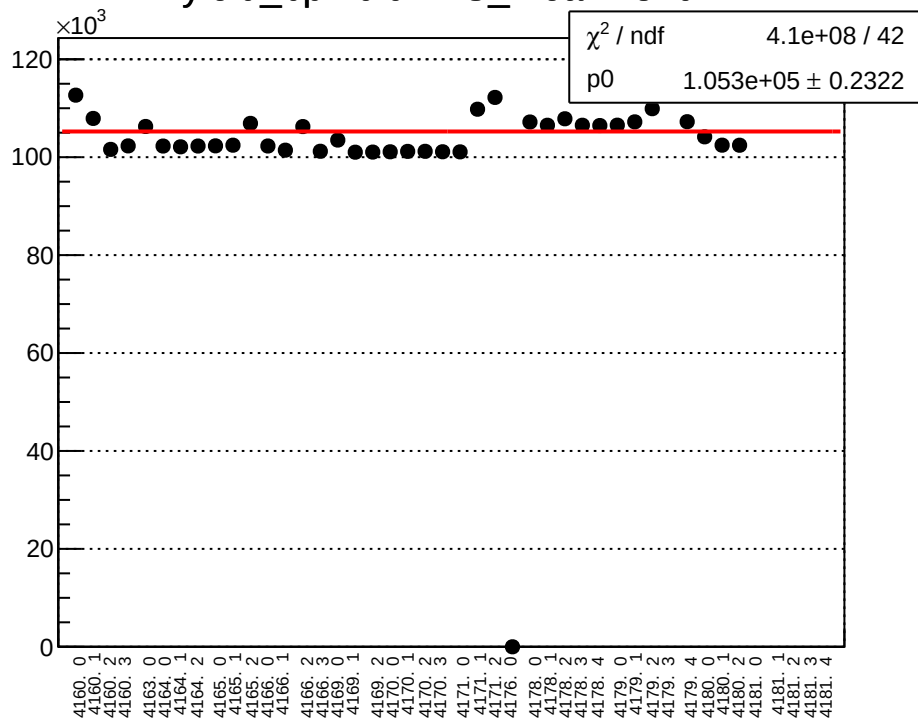
# yield\_bpm0i07WS\_mean vs run



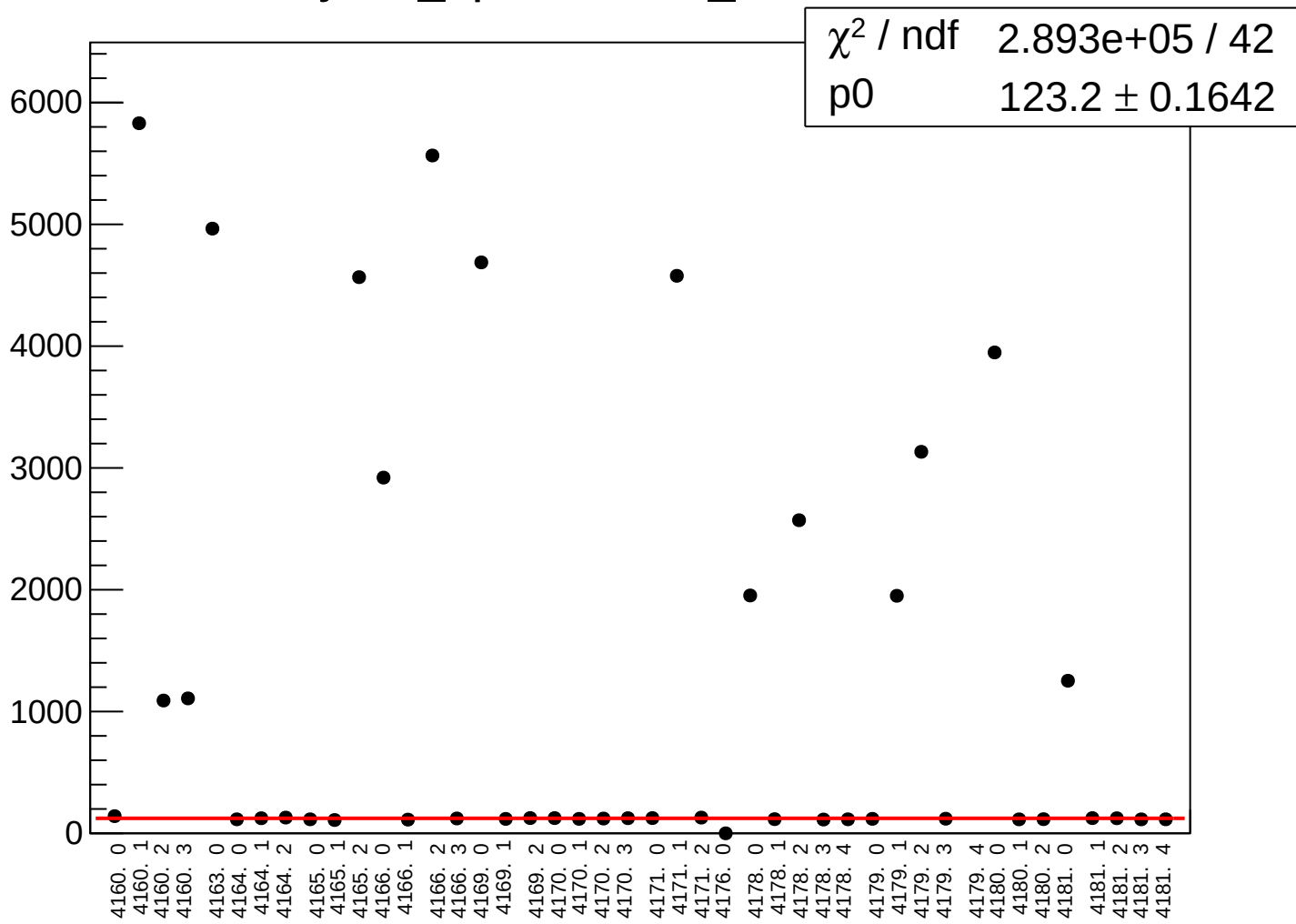
# yield\_bpm0i07WS\_rms vs run



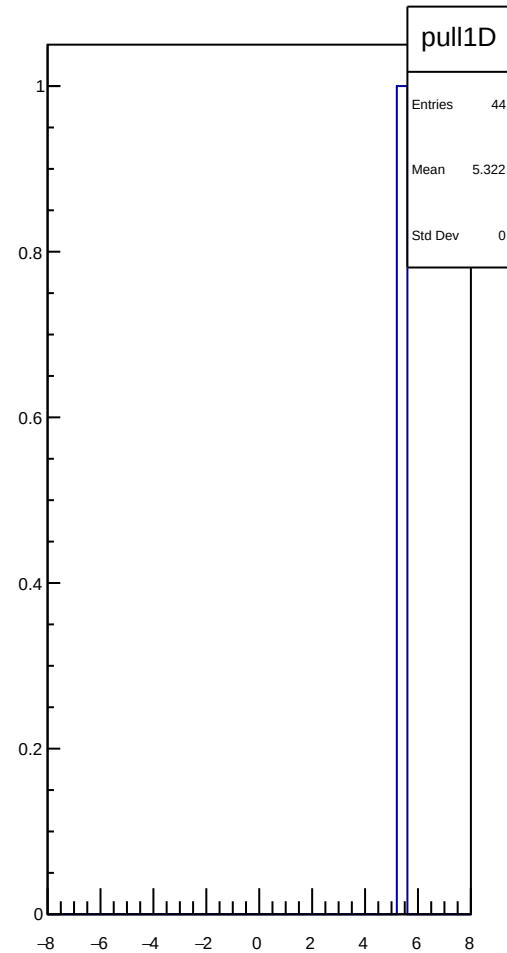
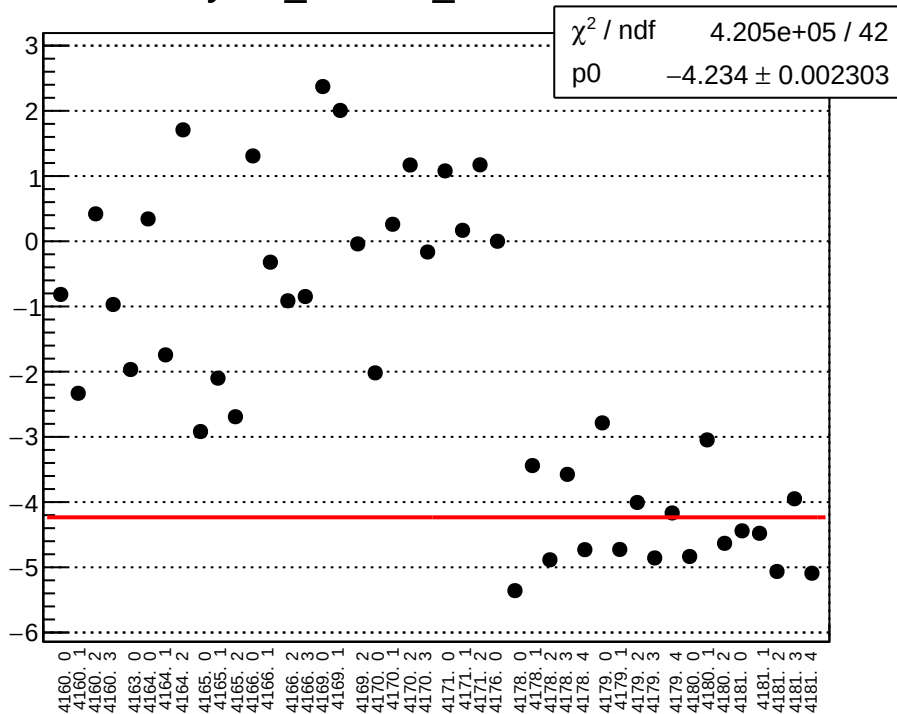
# yield\_bpm0l01WS\_mean vs run



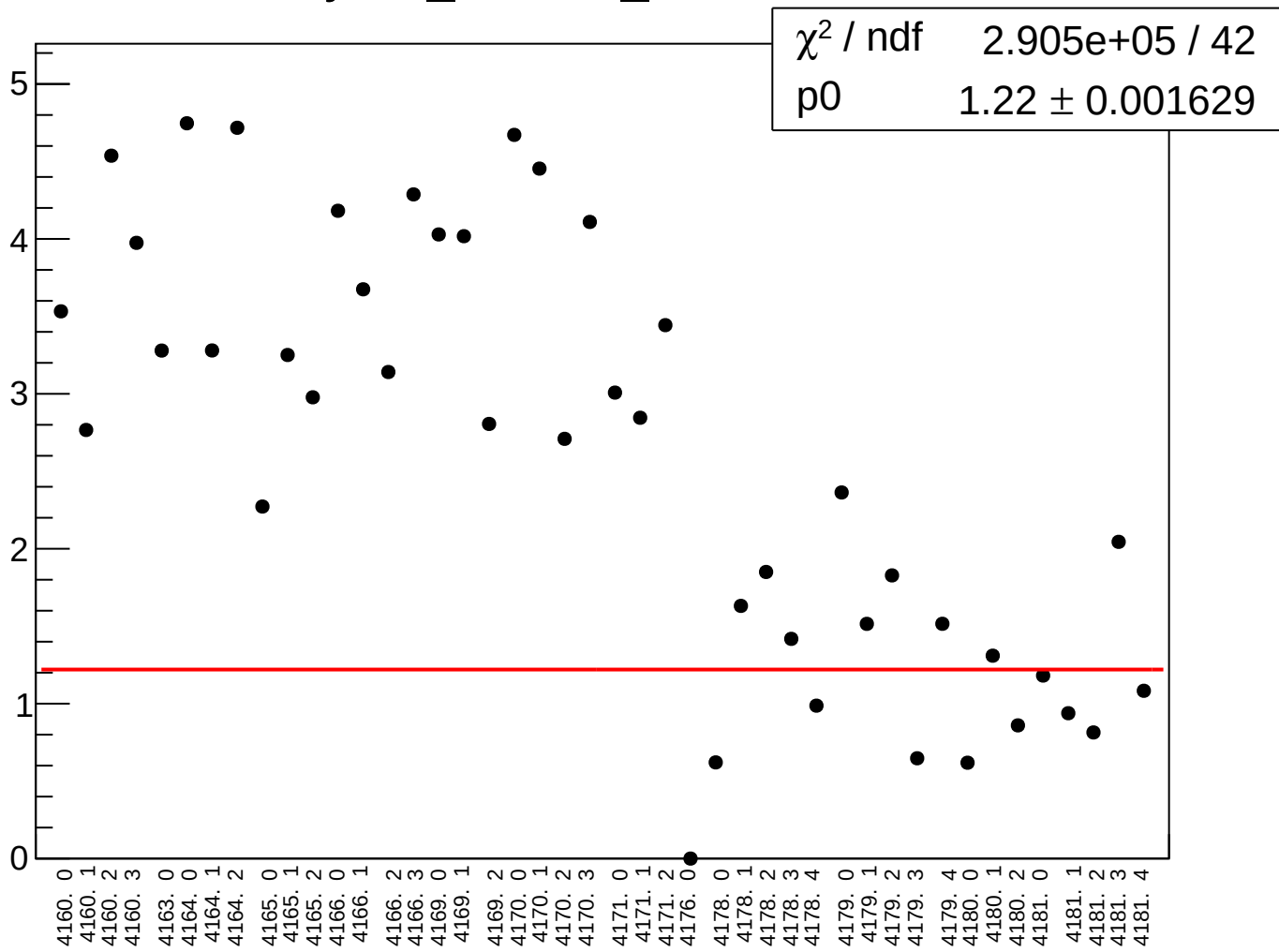
yield\_bpm0l01WS\_rms vs run



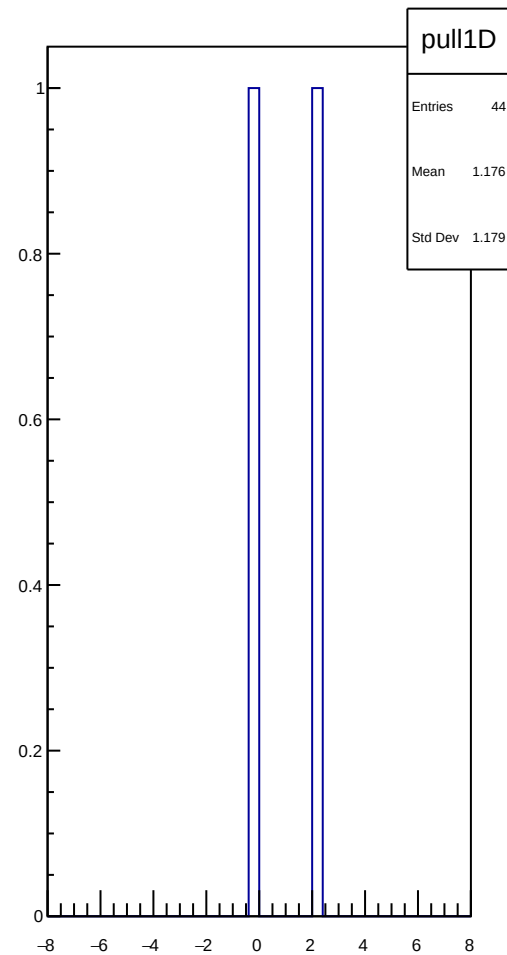
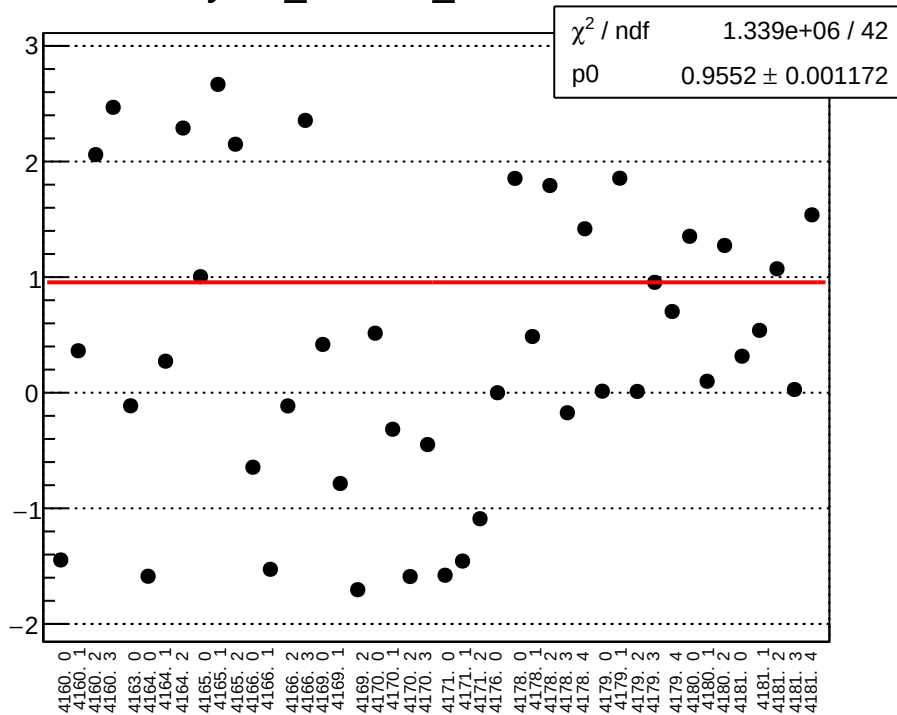
yield\_cav4bX\_mean vs run



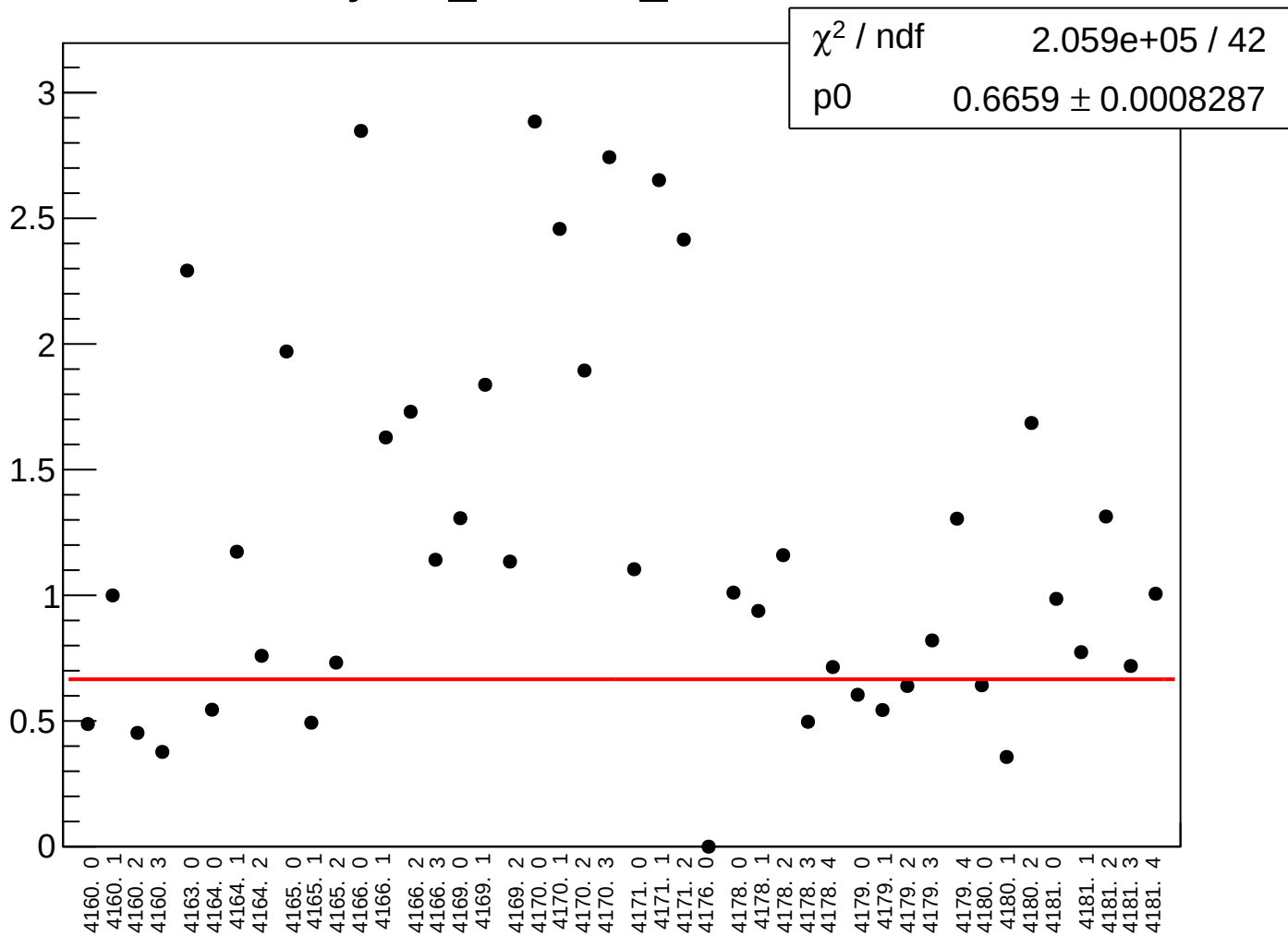
# yield\_cav4bX\_rms vs run



# yield\_cav4bY\_mean vs run

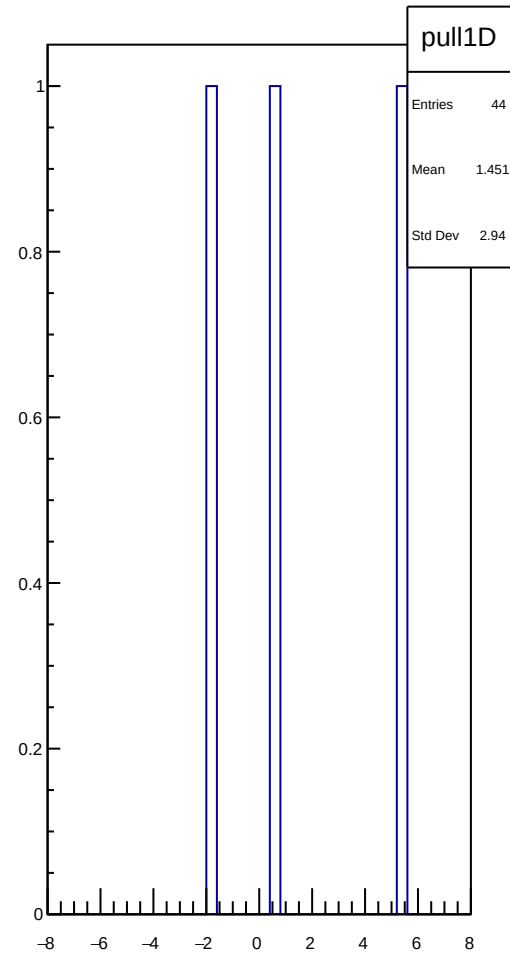
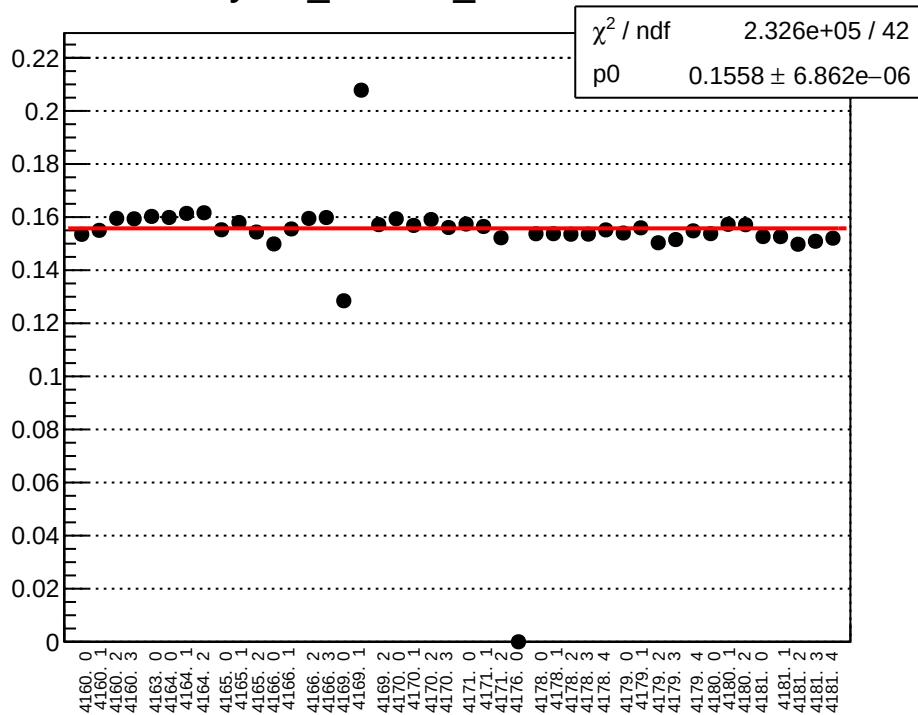


# yield\_cav4bY\_rms vs run

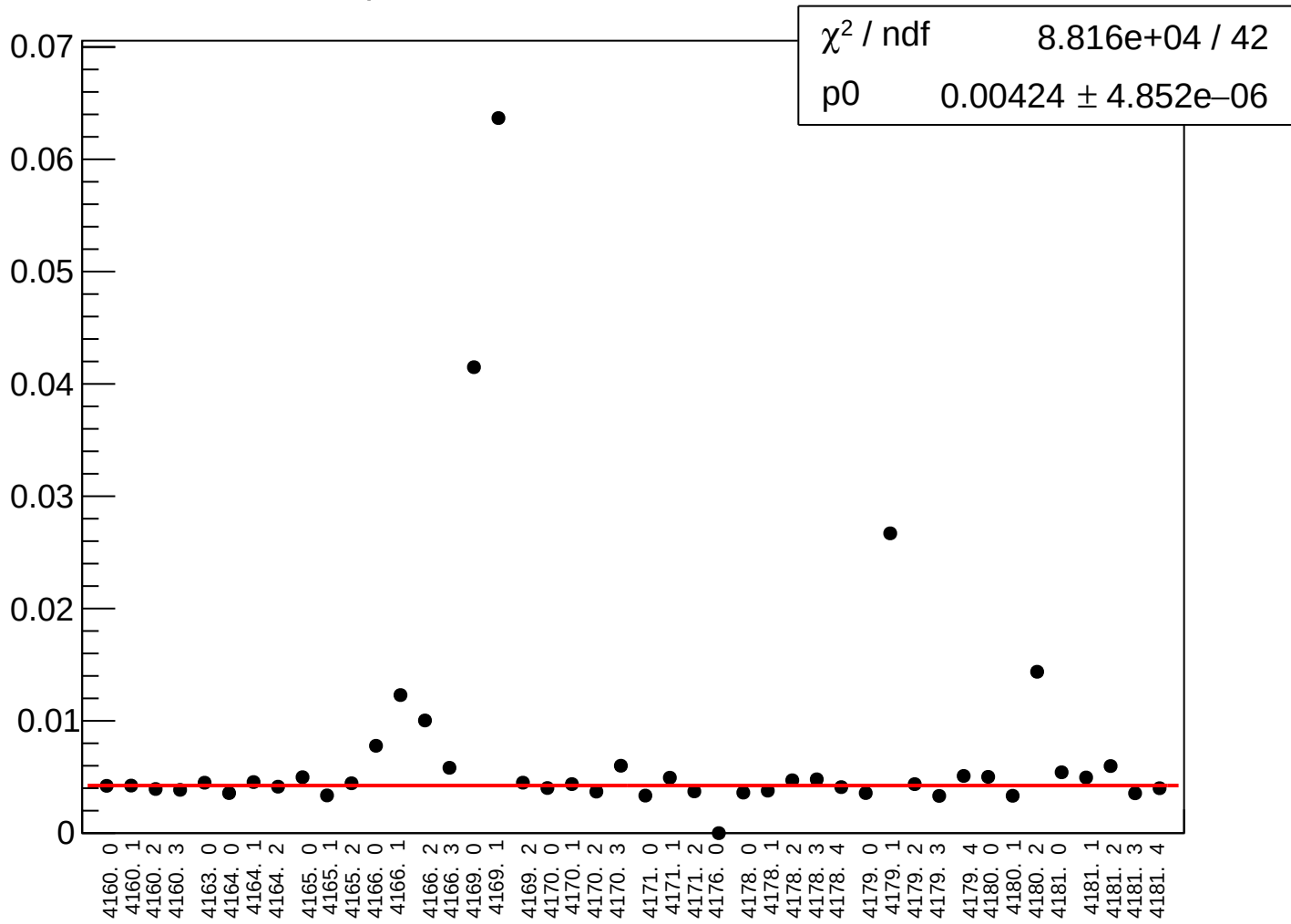




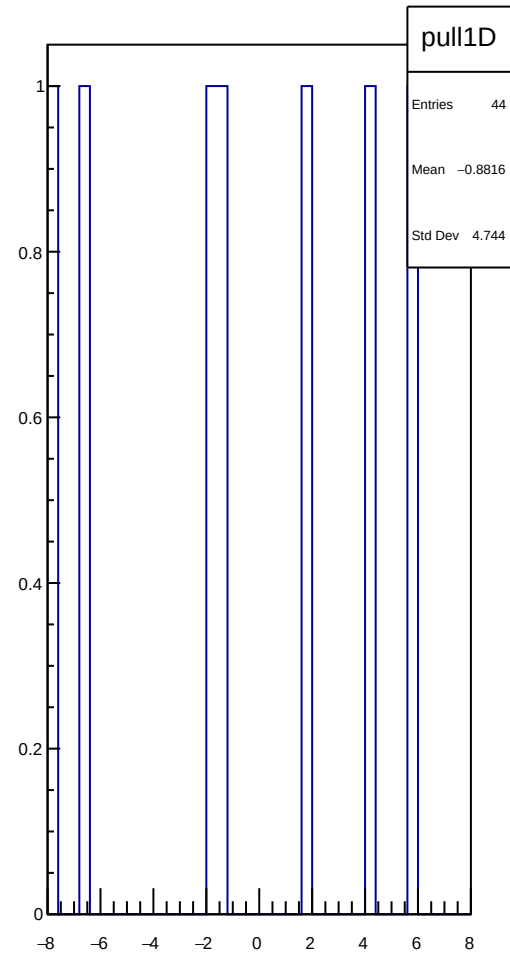
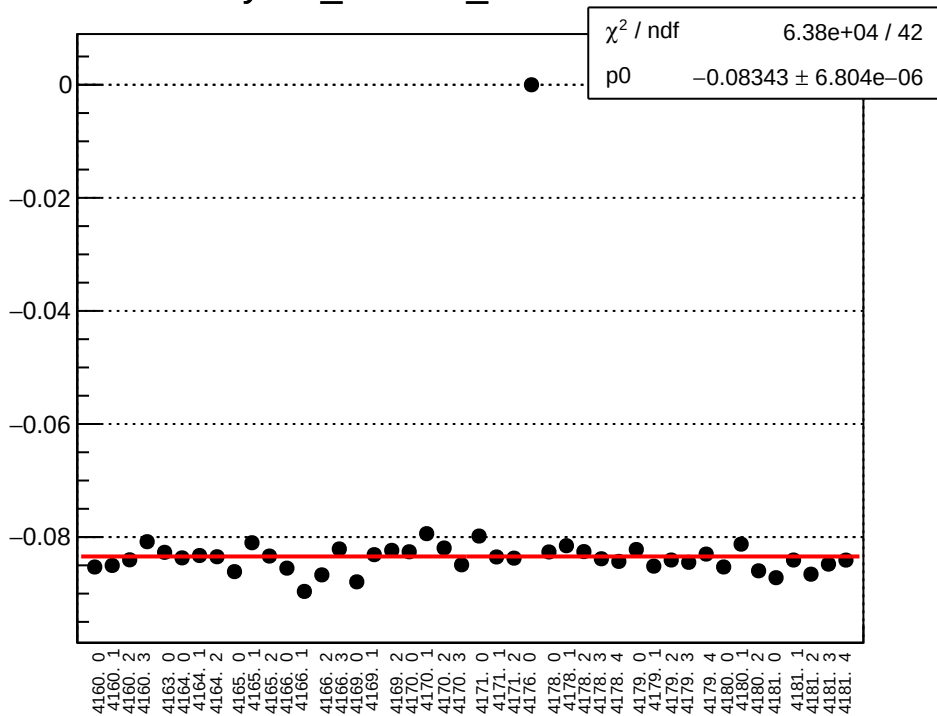
yield\_cav4cX\_mean vs run



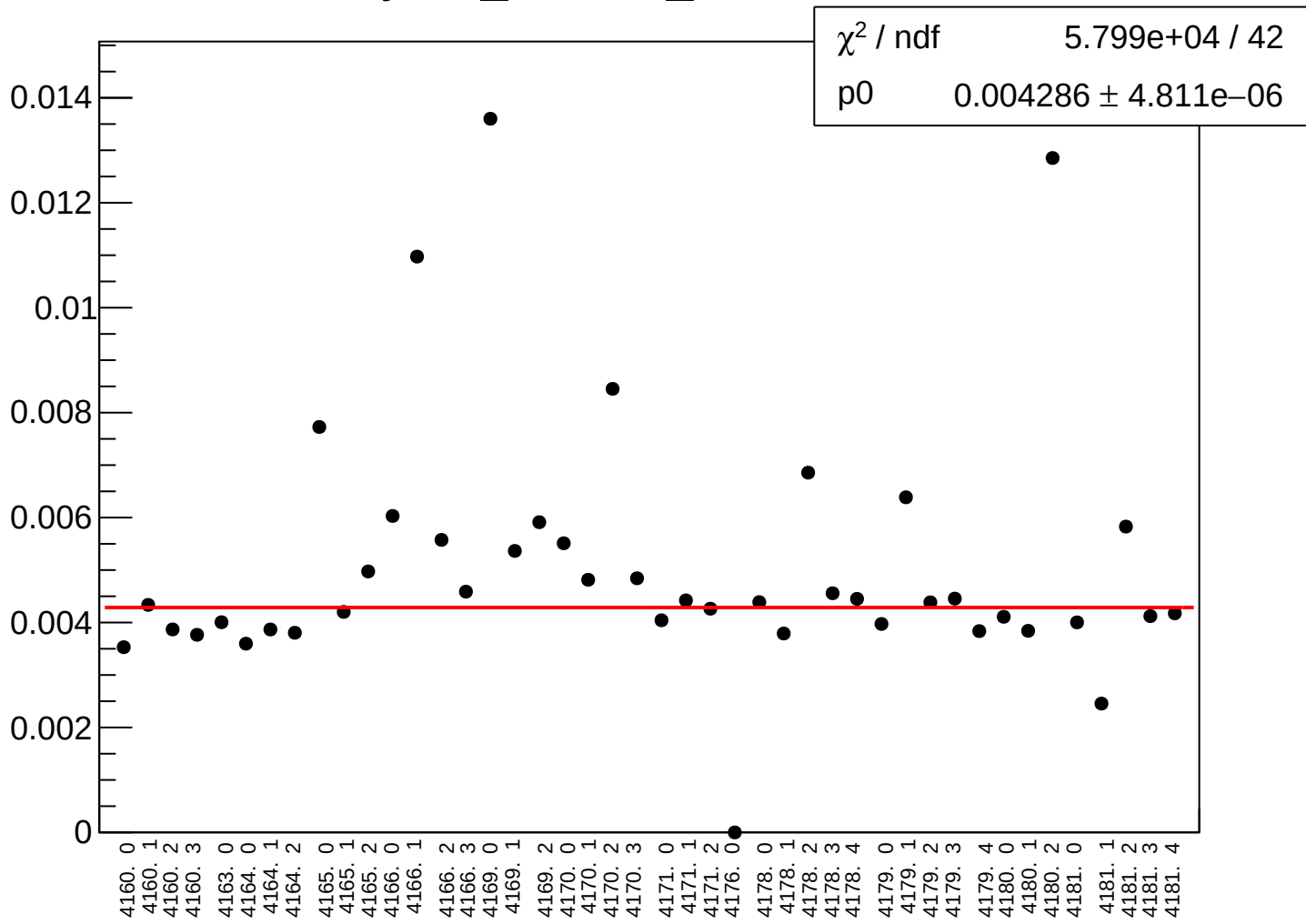
# yield\_cav4cX\_rms vs run



# yield\_cav4cY\_mean vs run

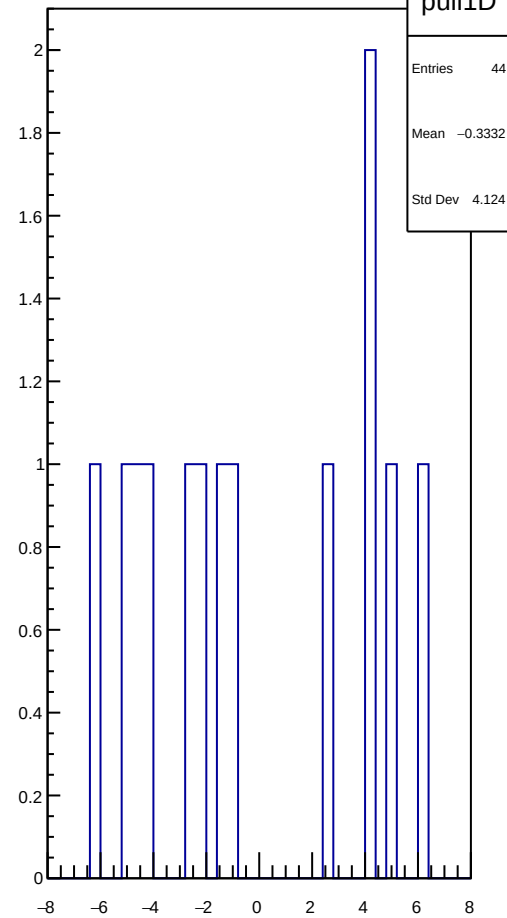
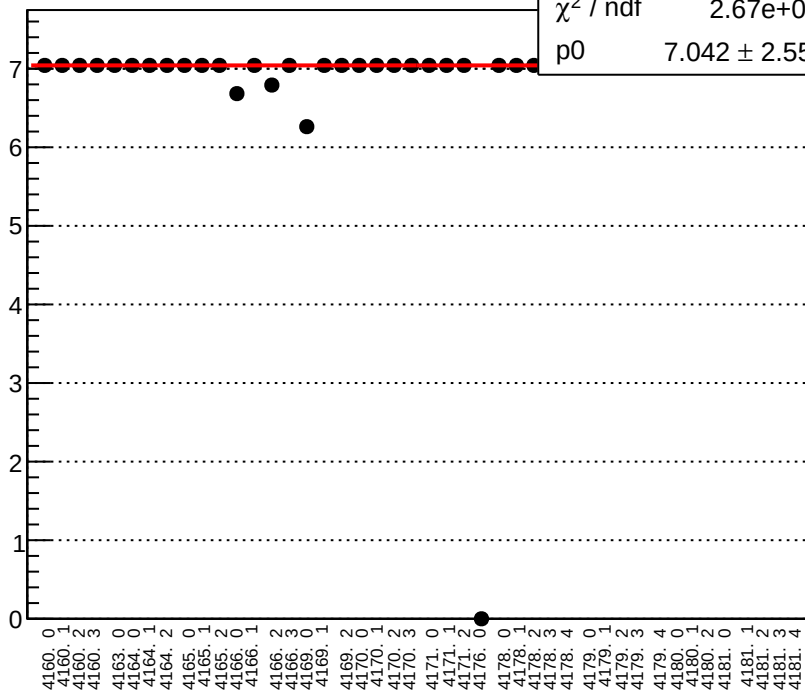


# yield\_cav4cY\_rms vs run

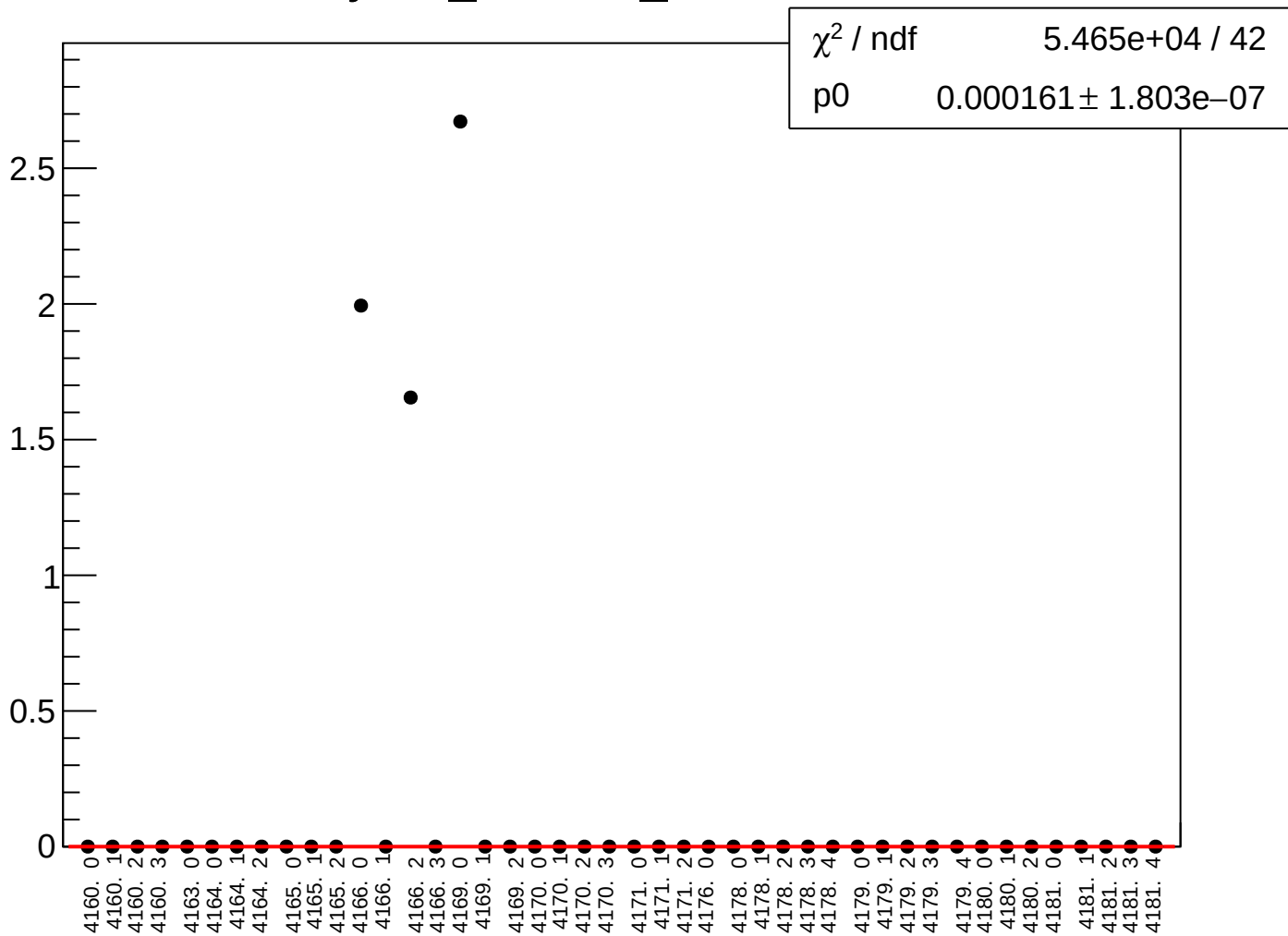


# yield\_cav4dX\_mean vs run

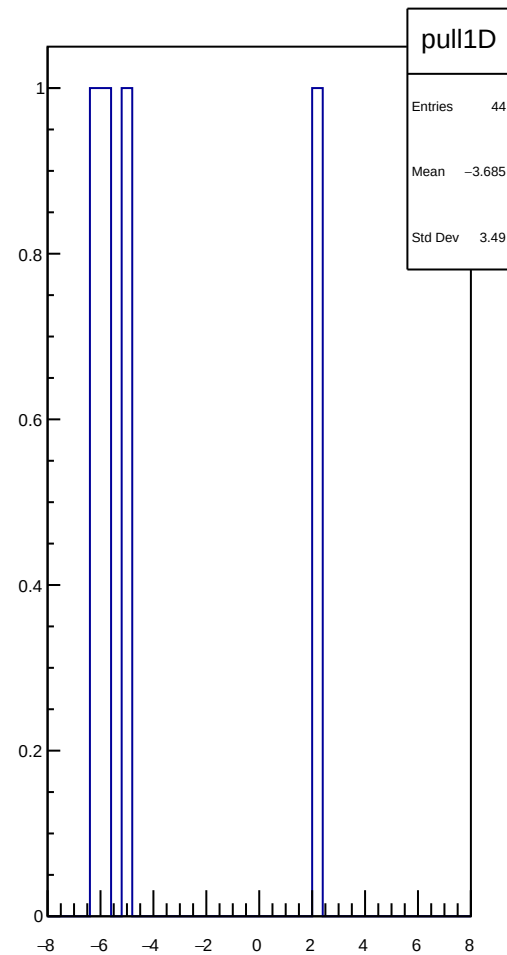
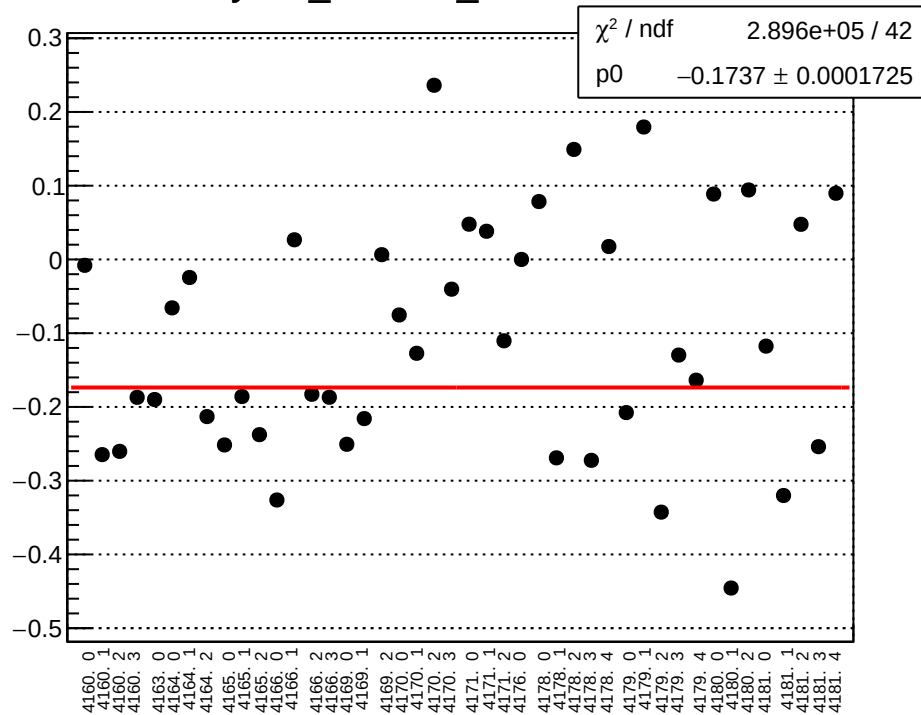
$\chi^2 / \text{ndf}$  2.67e+04 / 42  
p0  $7.042 \pm 2.55\text{e-}07$



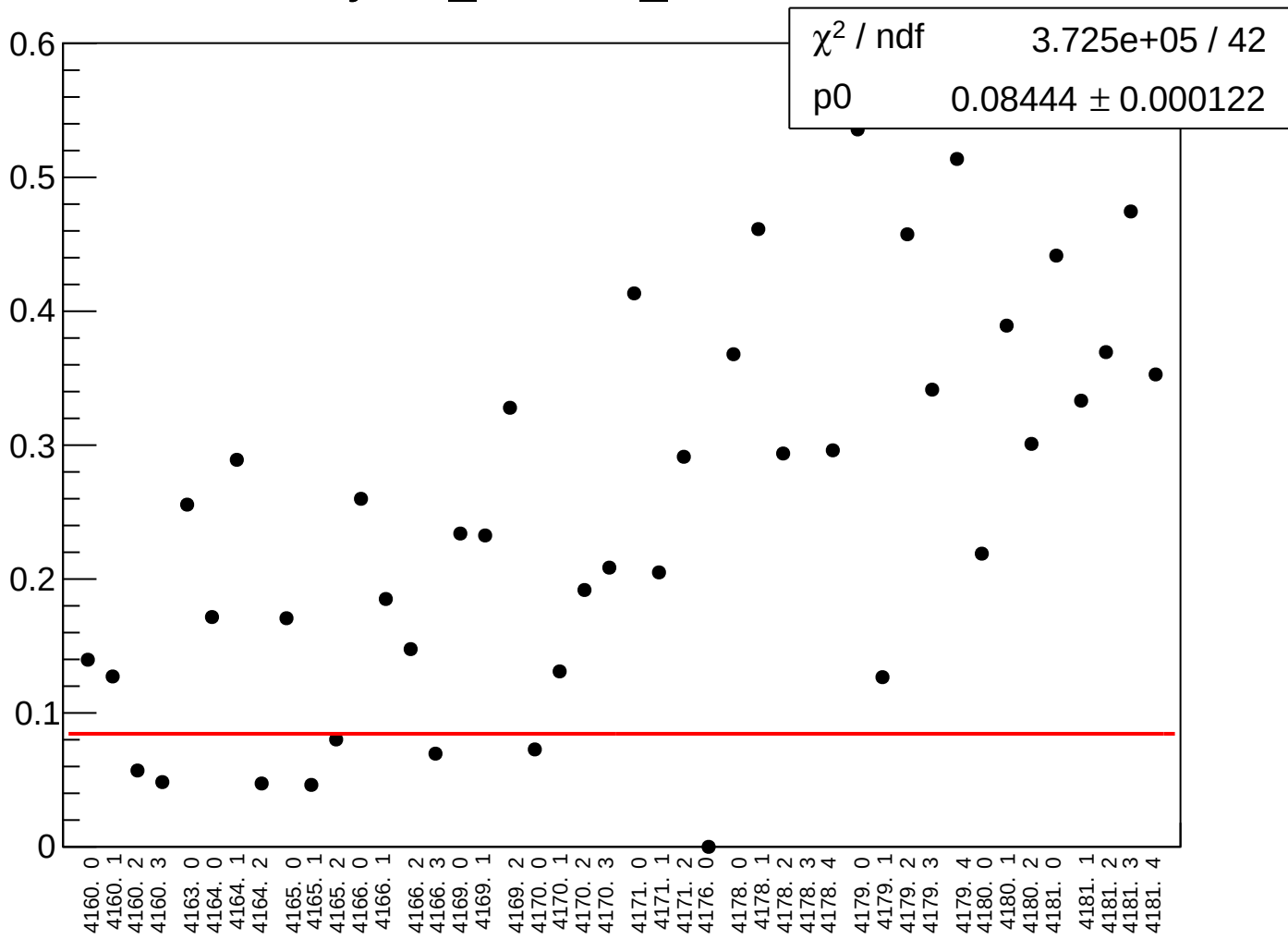
# yield\_cav4dX\_rms vs run



# yield\_cav4dY\_mean vs run

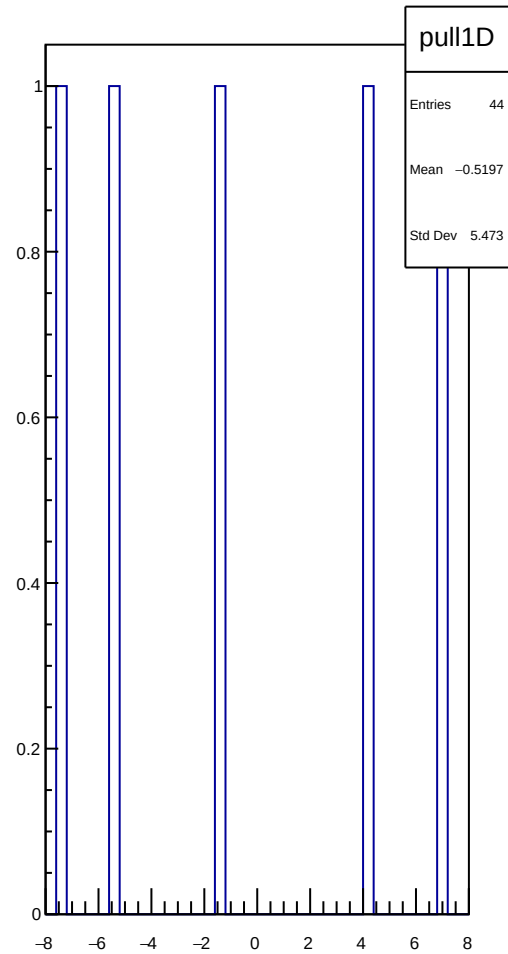
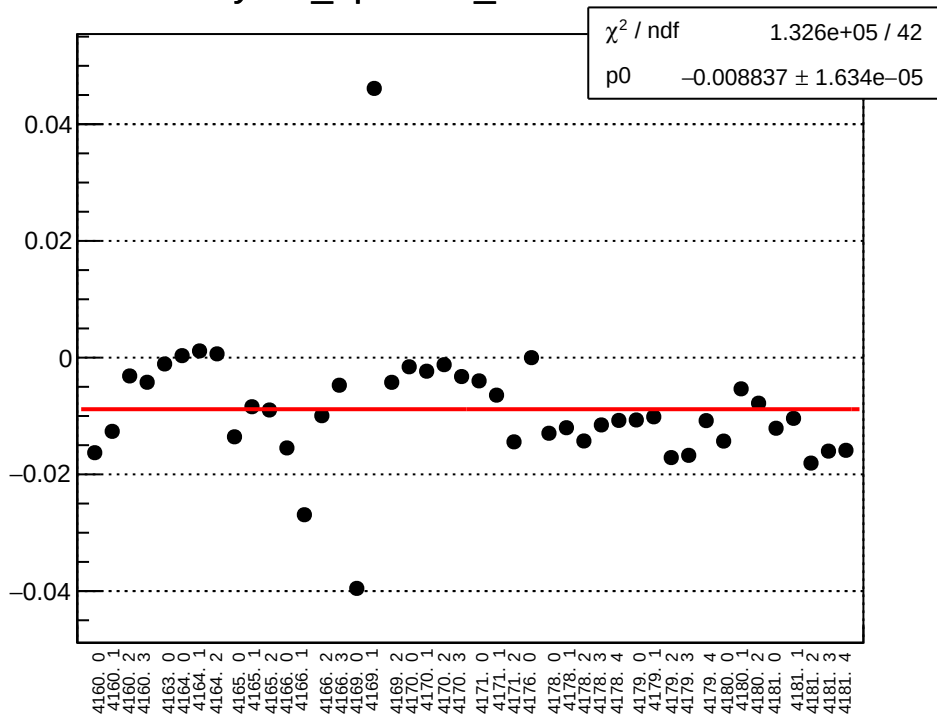


# yield\_cav4dY\_rms vs run

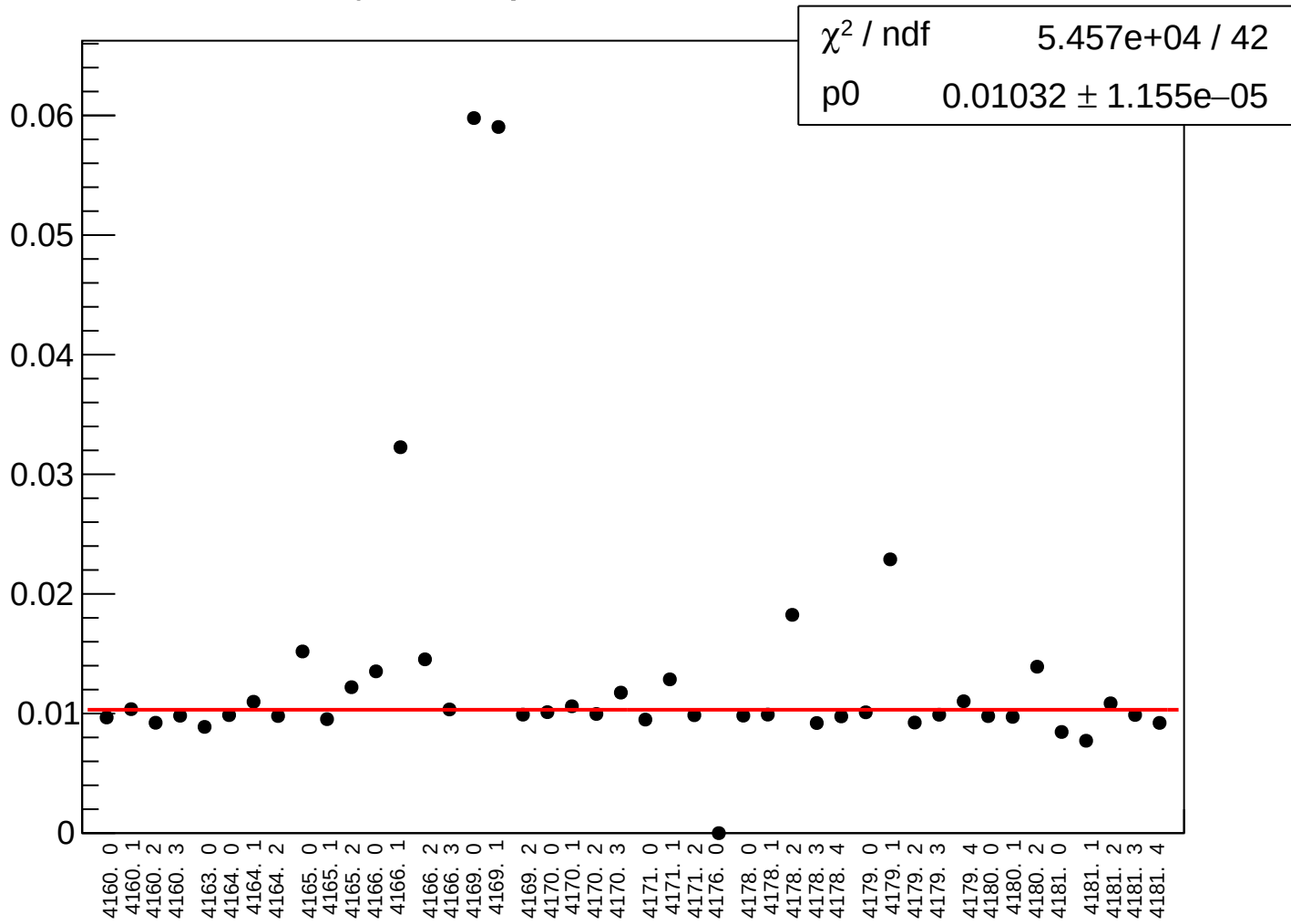




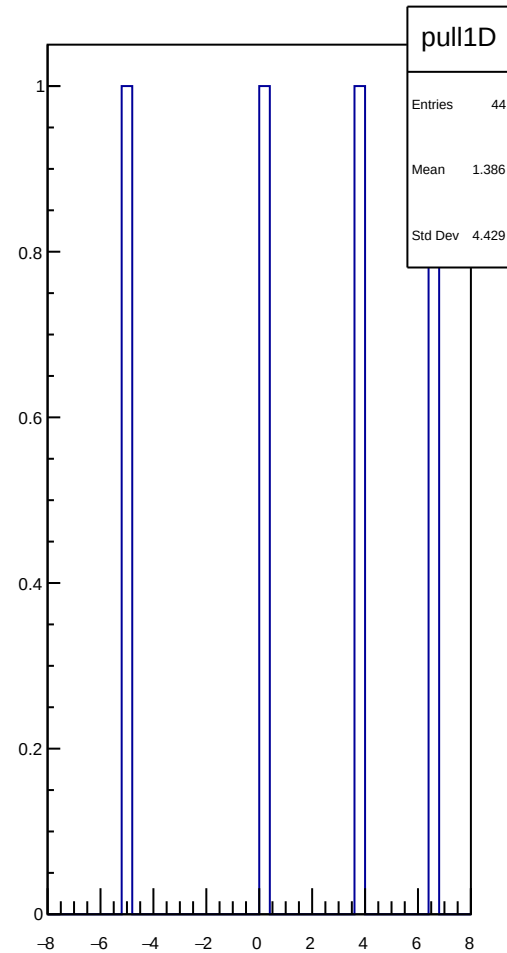
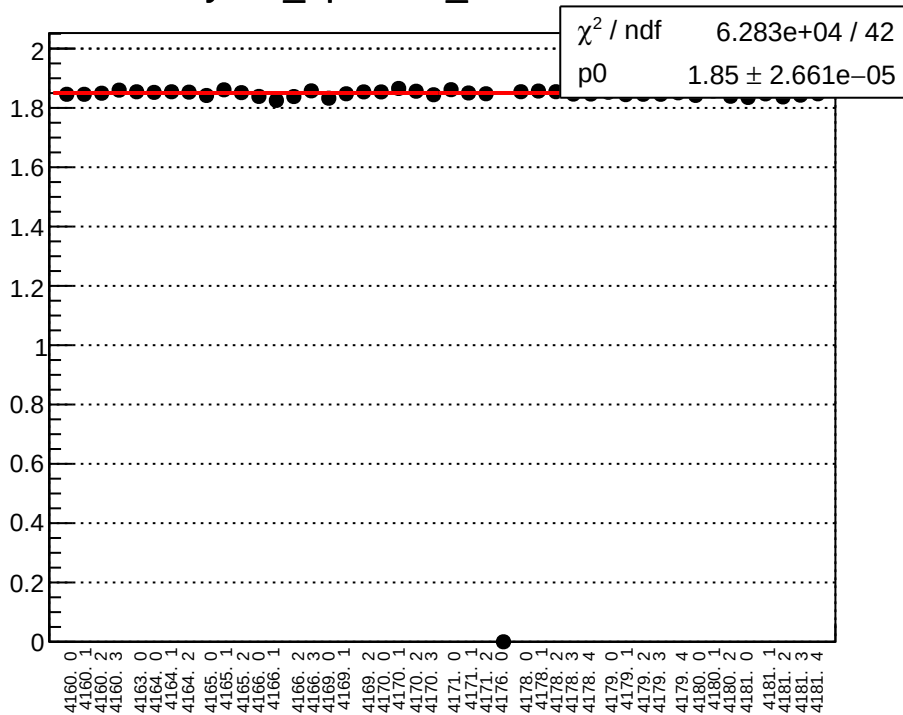
yield\_bpm4aX\_mean vs run



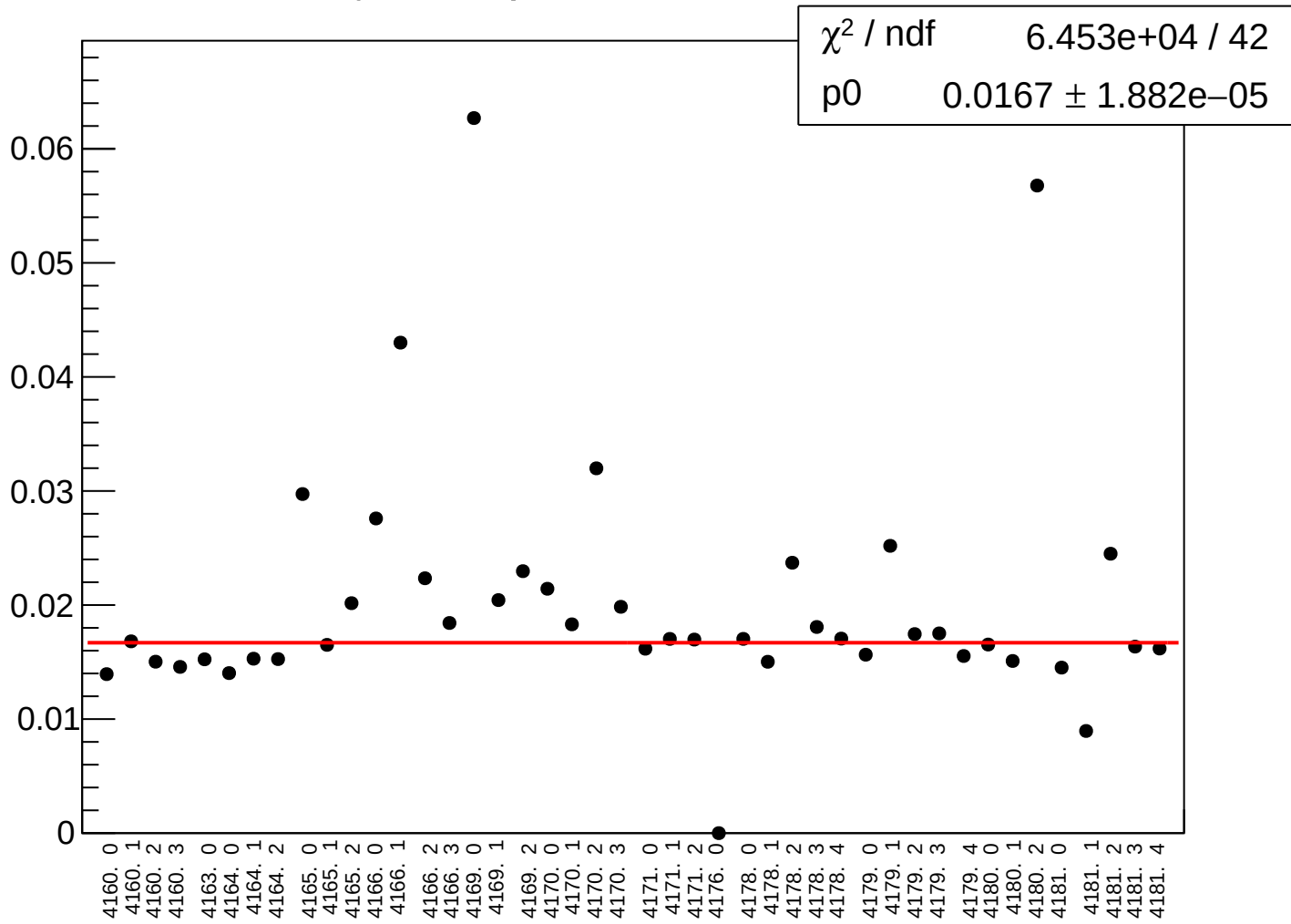
# yield\_bpm4aX\_rms vs run



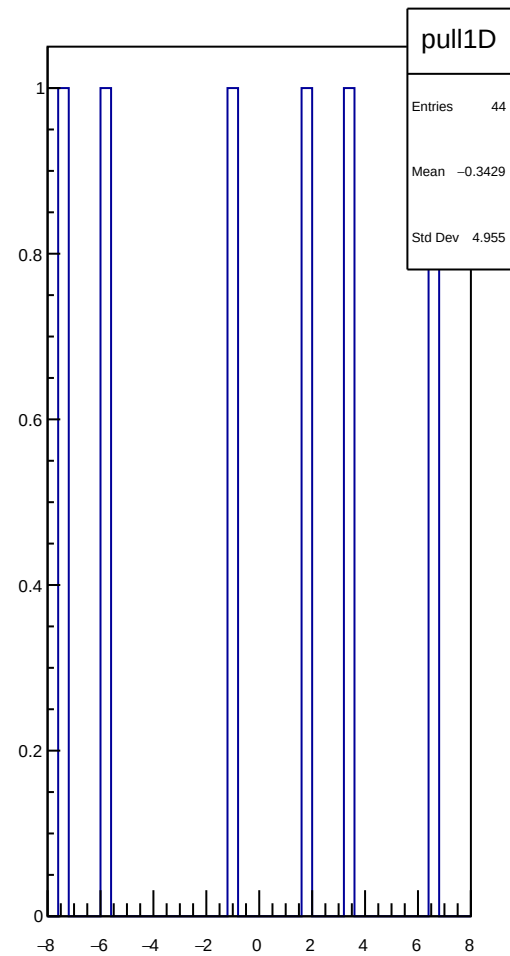
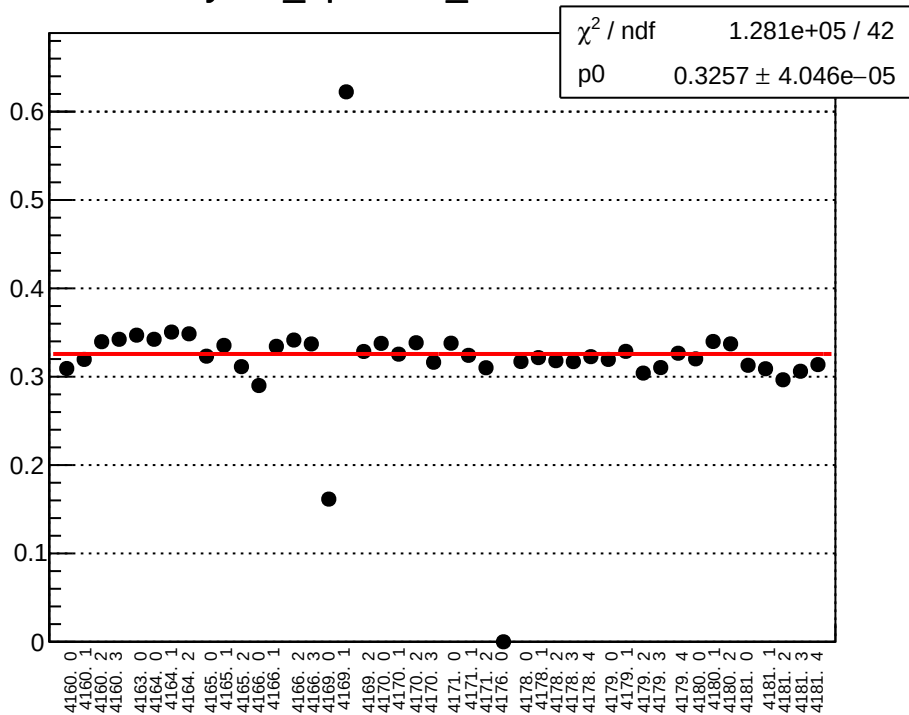
# yield\_bpm4aY\_mean vs run



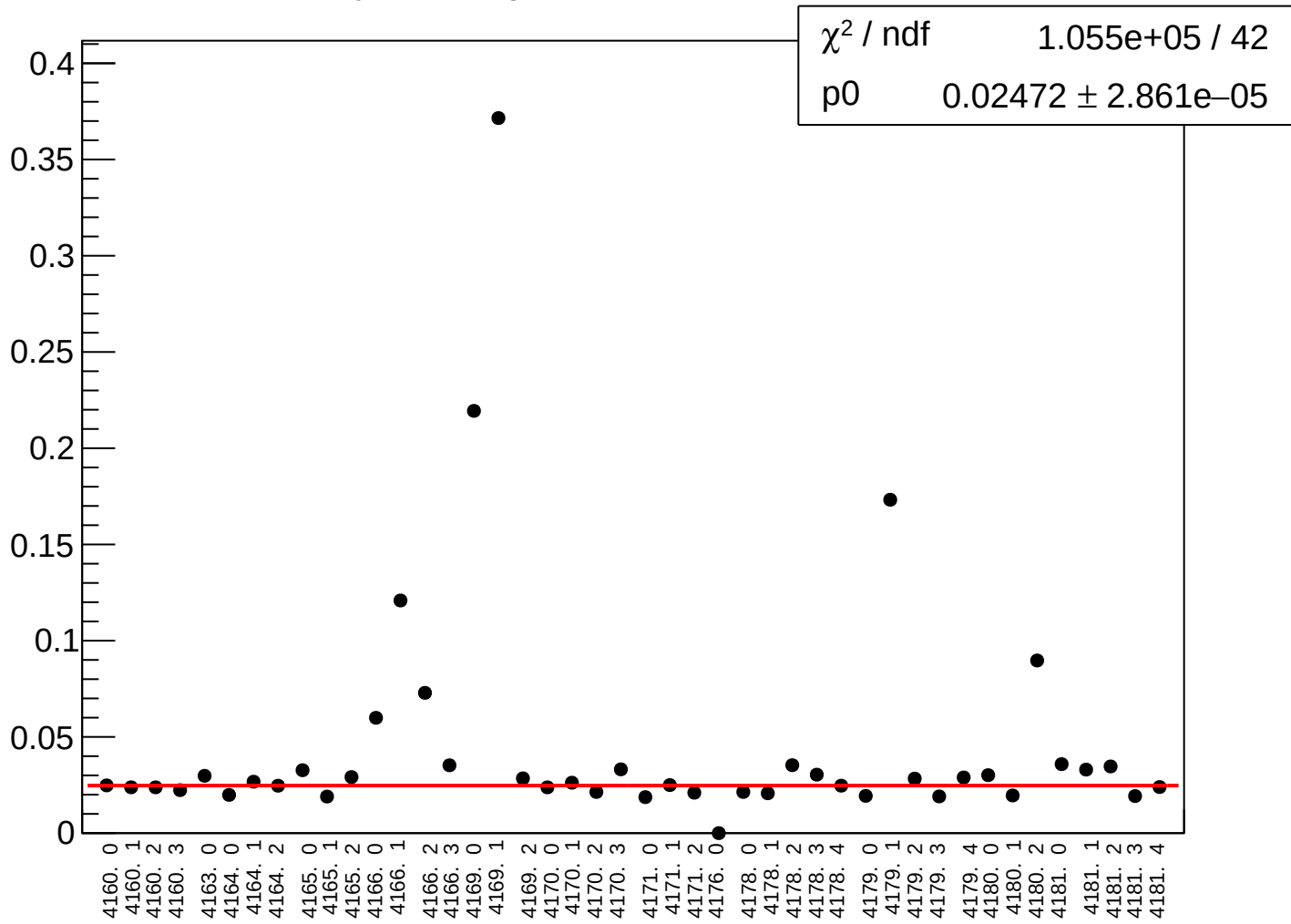
# yield\_bpm4aY\_rms vs run



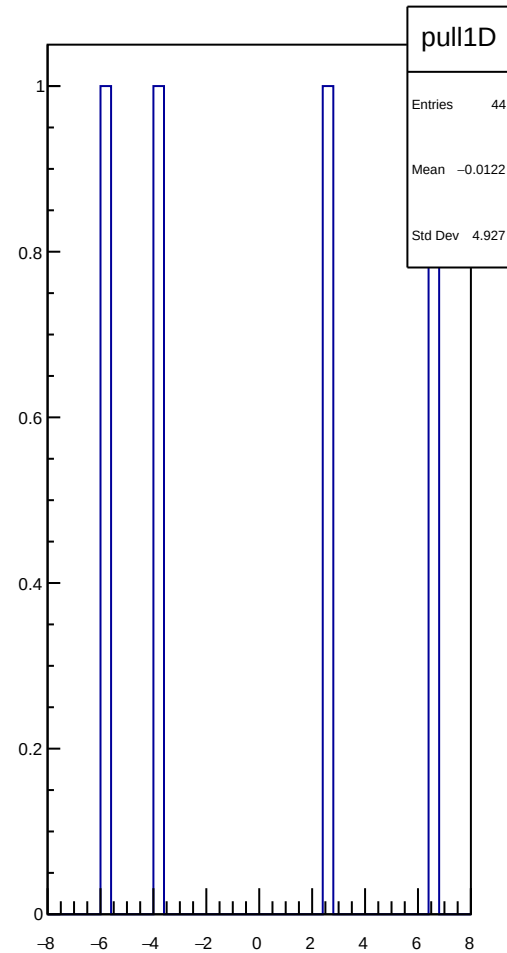
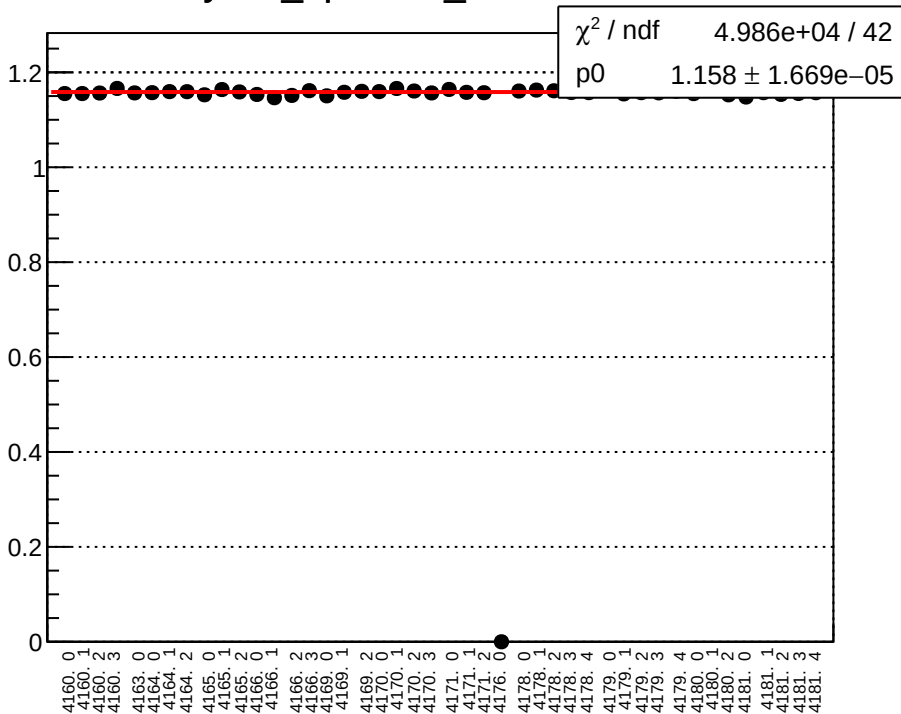
yield\_bpm4eX\_mean vs run



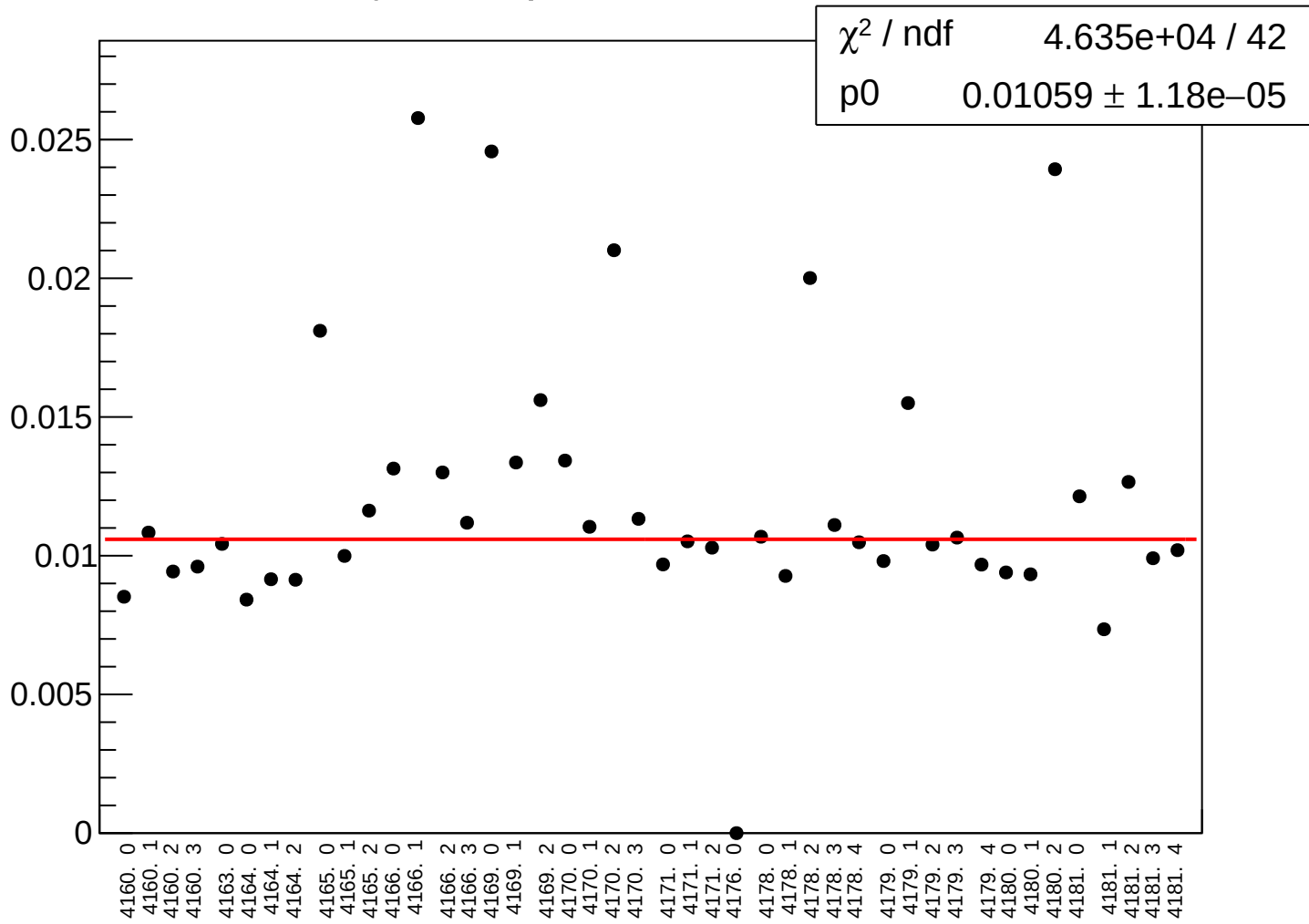
# yield\_bpm4eX\_rms vs run



yield\_bpm4eY\_mean vs run

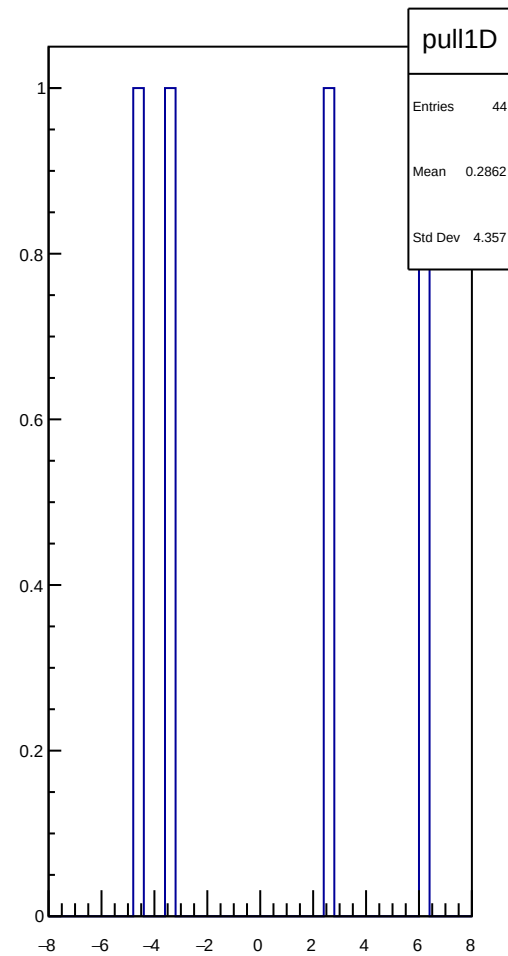
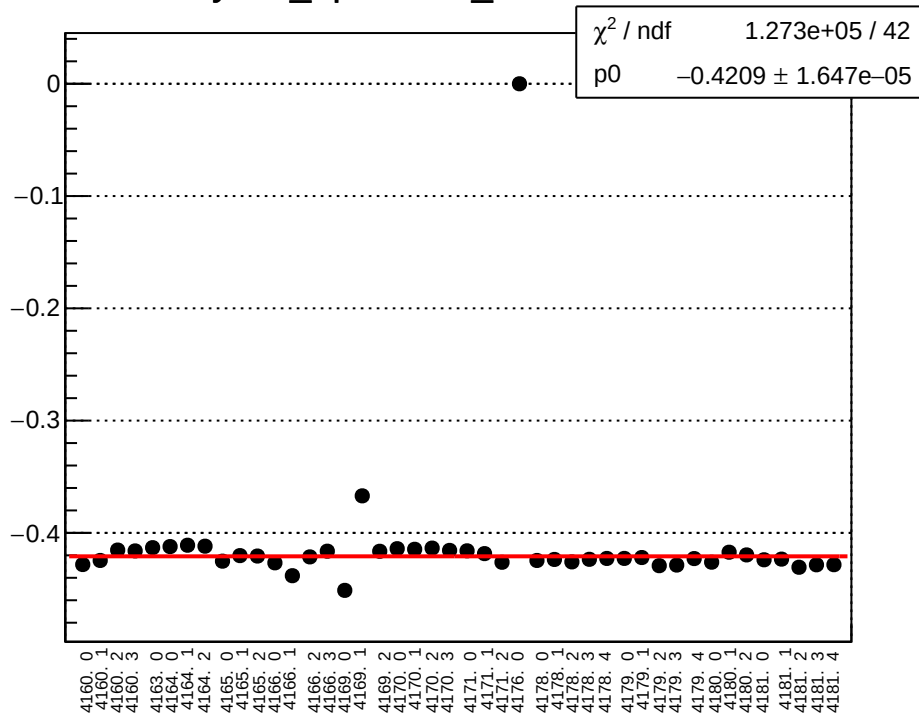


# yield\_bpm4eY\_rms vs run

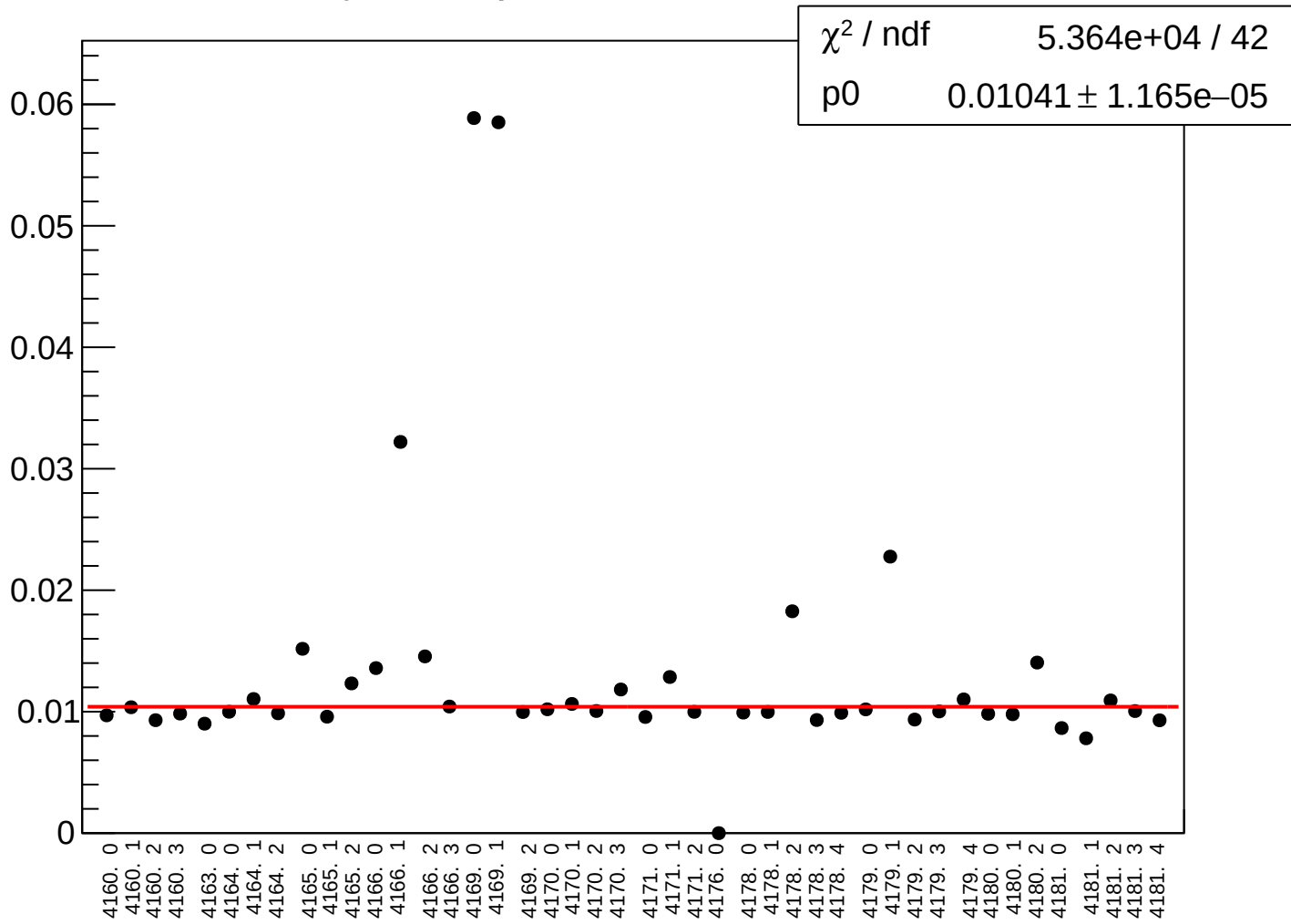




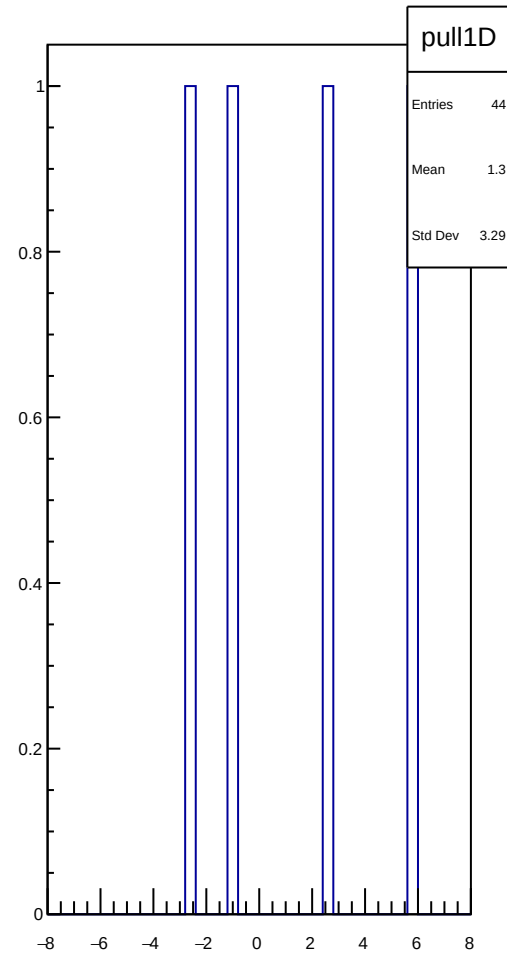
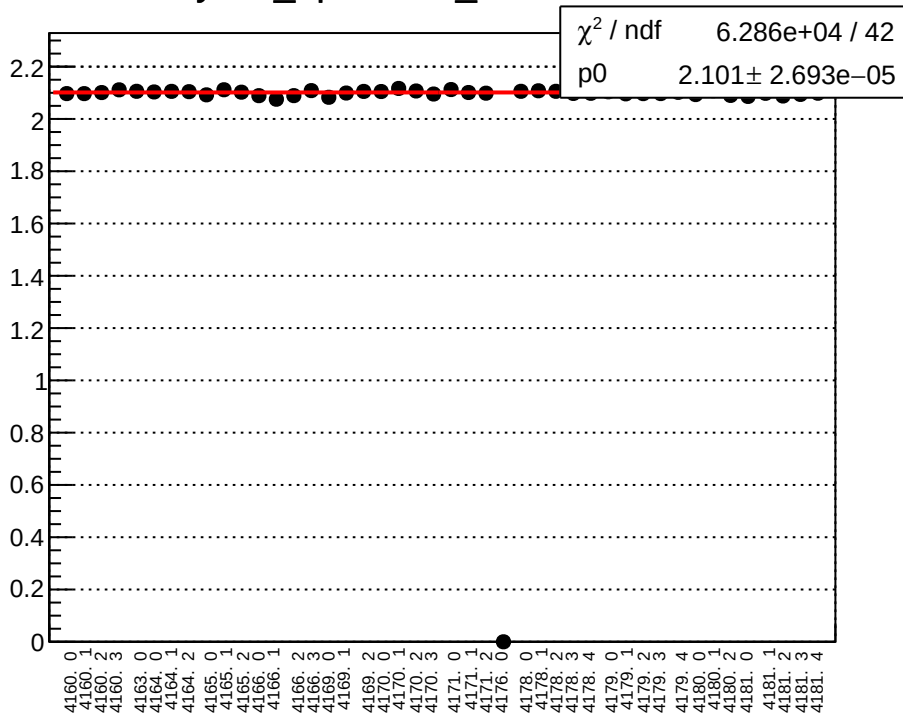
# yield\_bpm4acX\_mean vs run



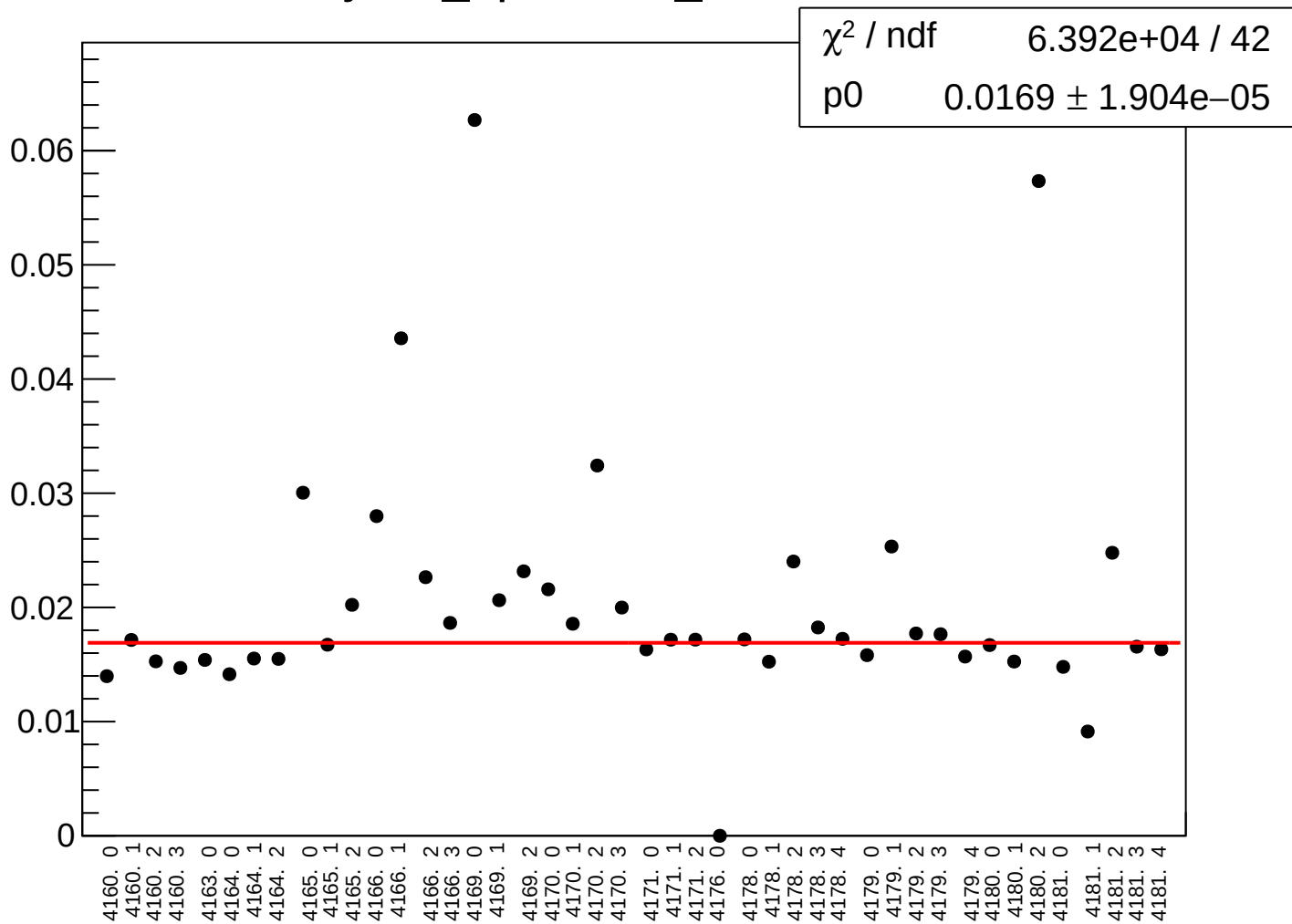
# yield\_bpm4acX\_rms vs run



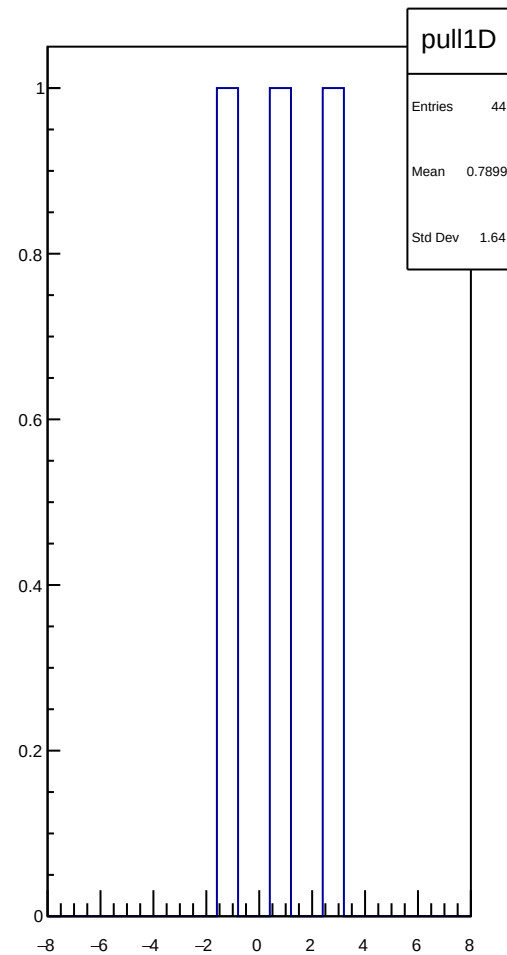
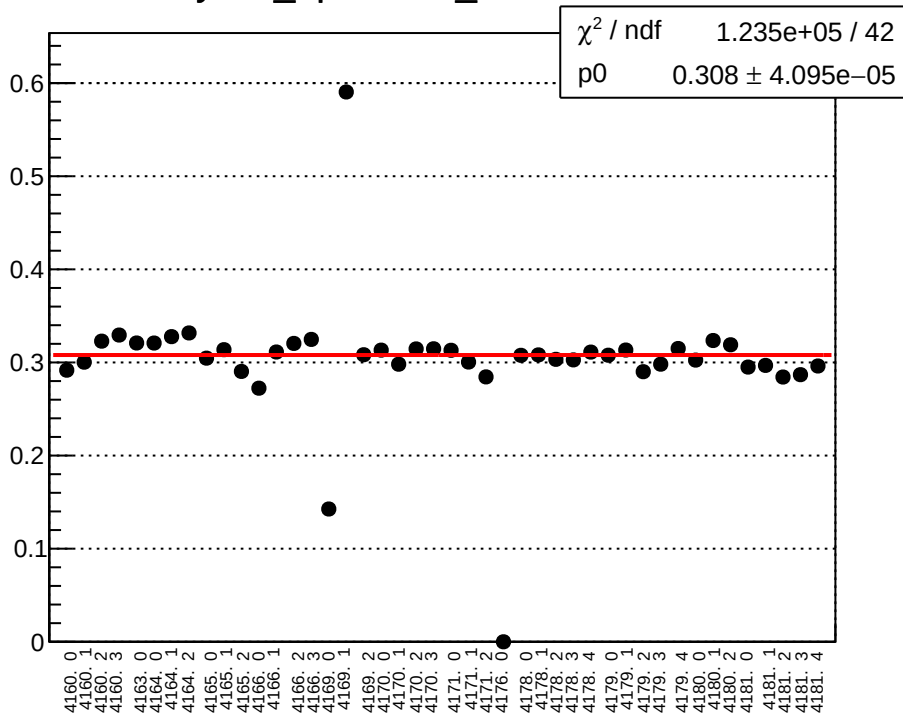
# yield\_bpm4acY\_mean vs run



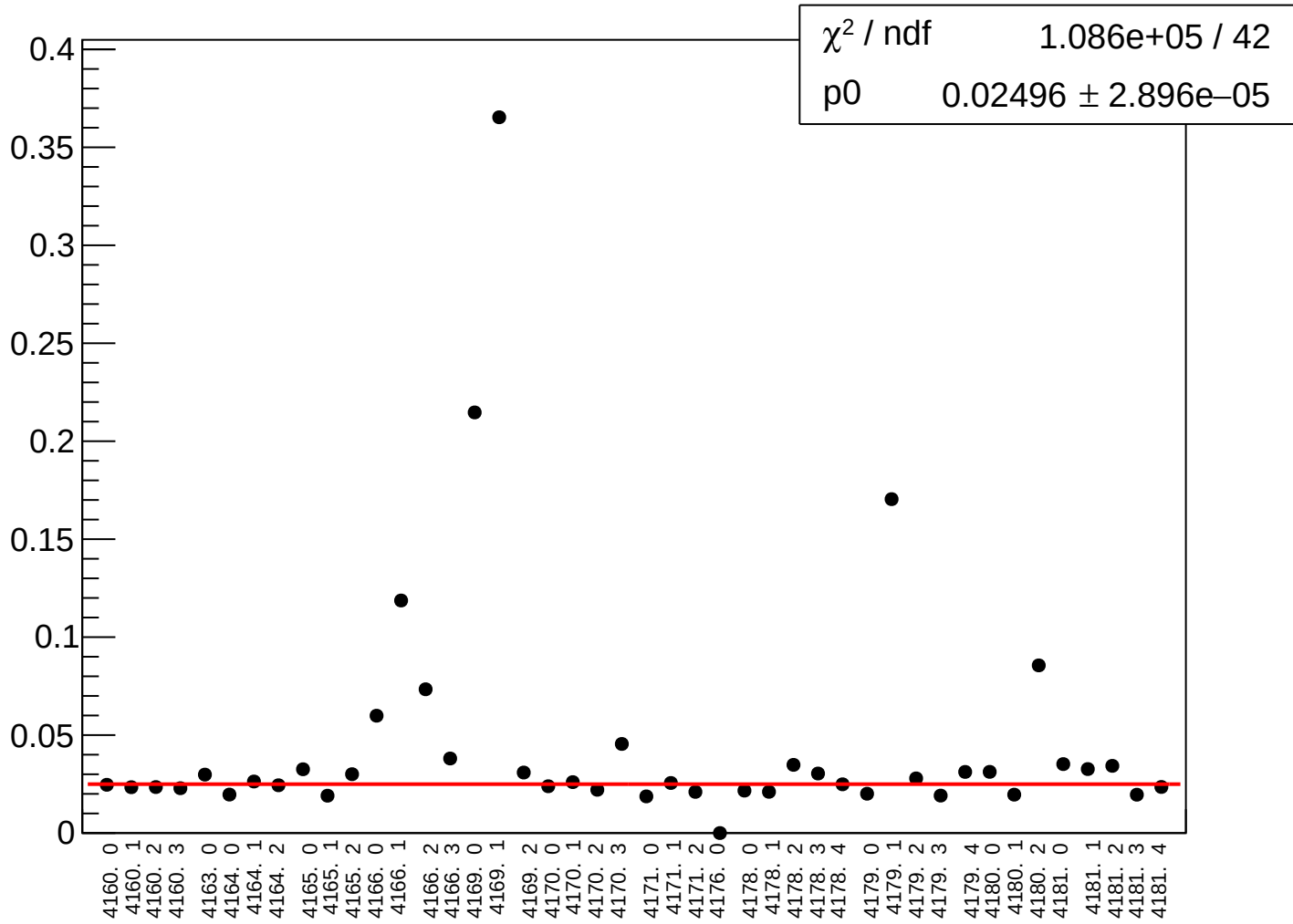
# yield\_bpm4acY\_rms vs run



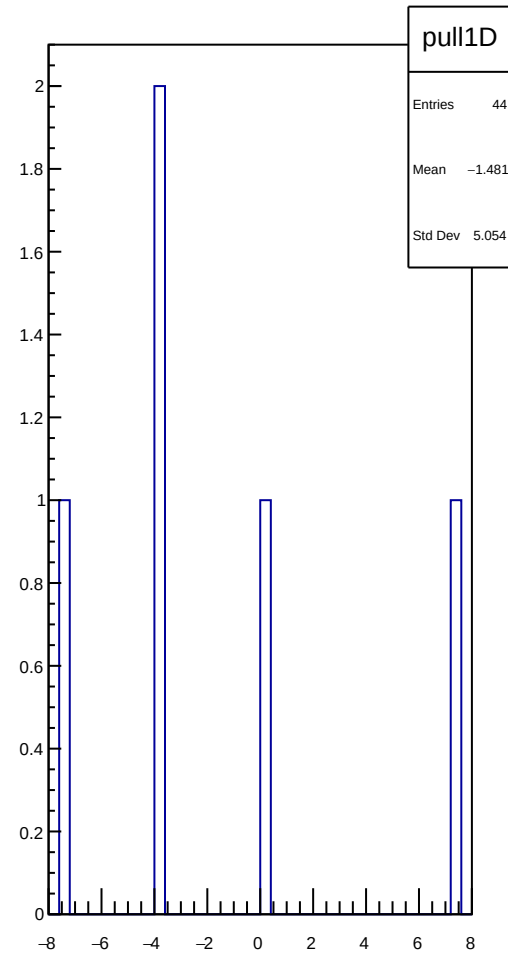
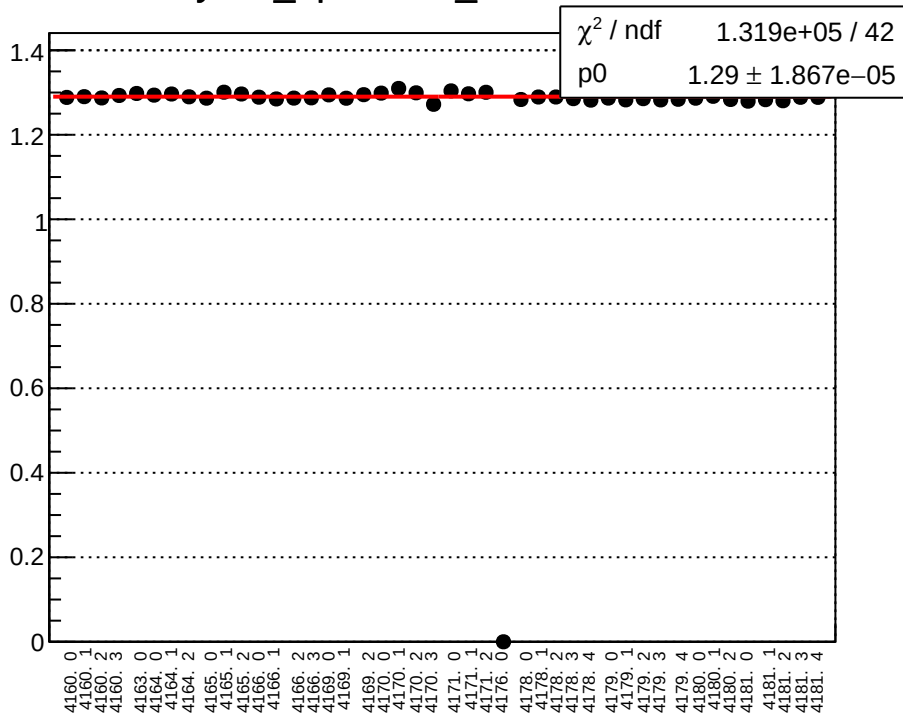
yield\_bpm4ecX\_mean vs run



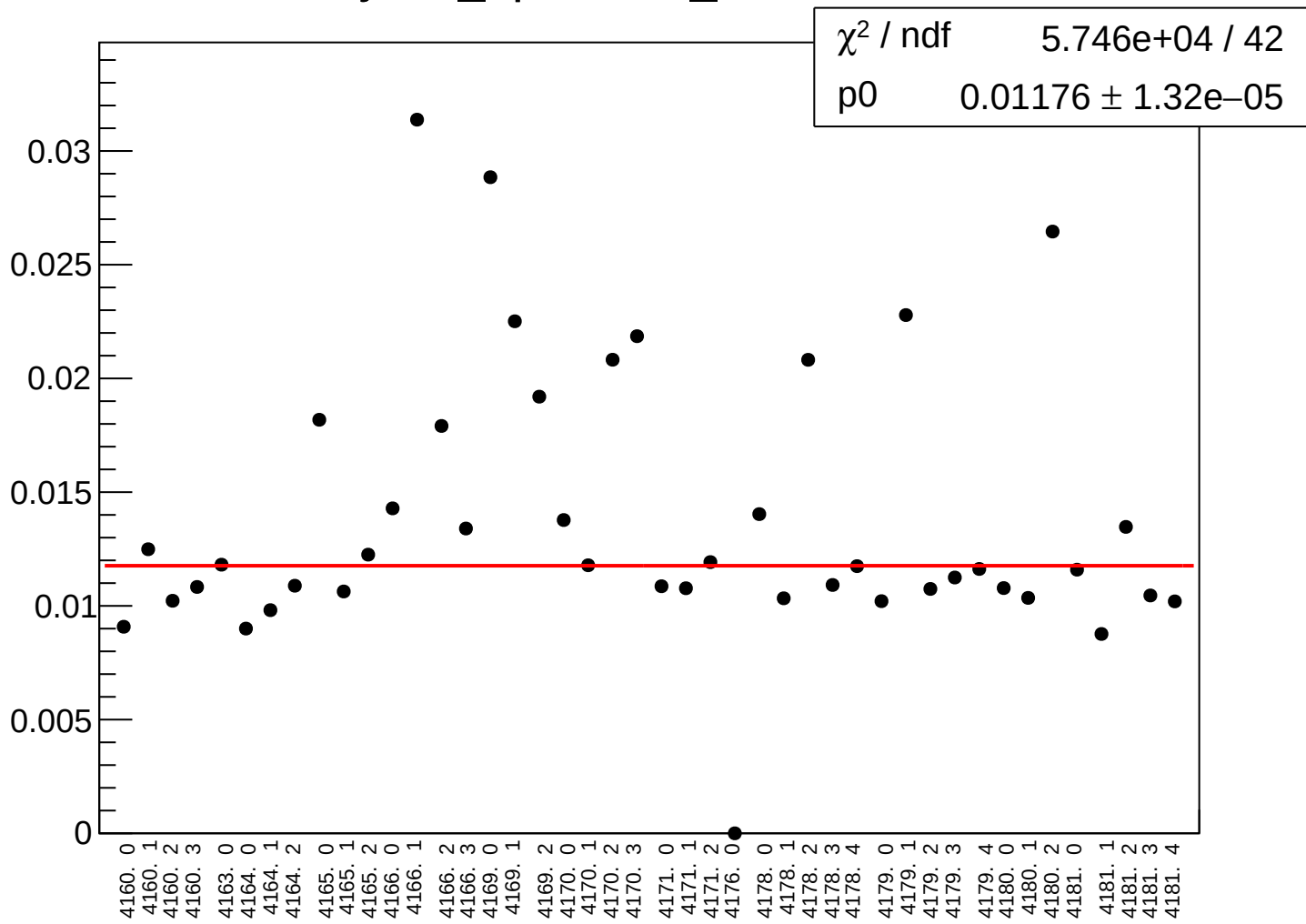
# yield\_bpm4ecX\_rms vs run



# yield\_bpm4ecY\_mean vs run

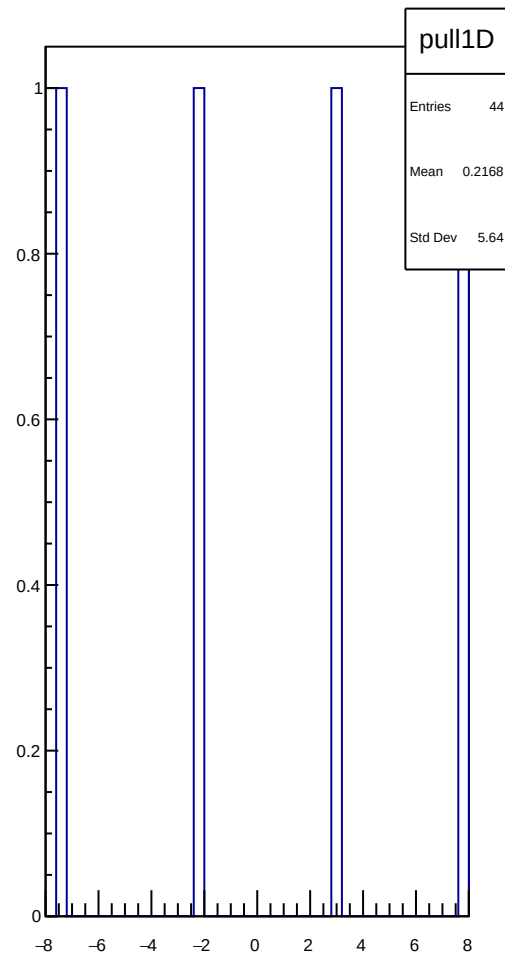
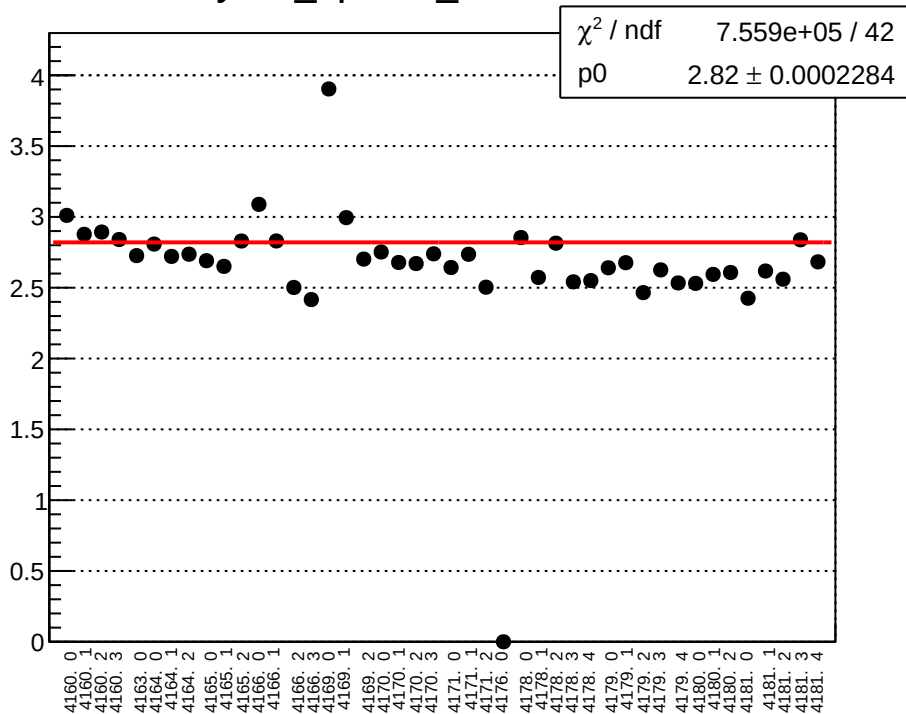


# yield\_bpm4ecY\_rms vs run

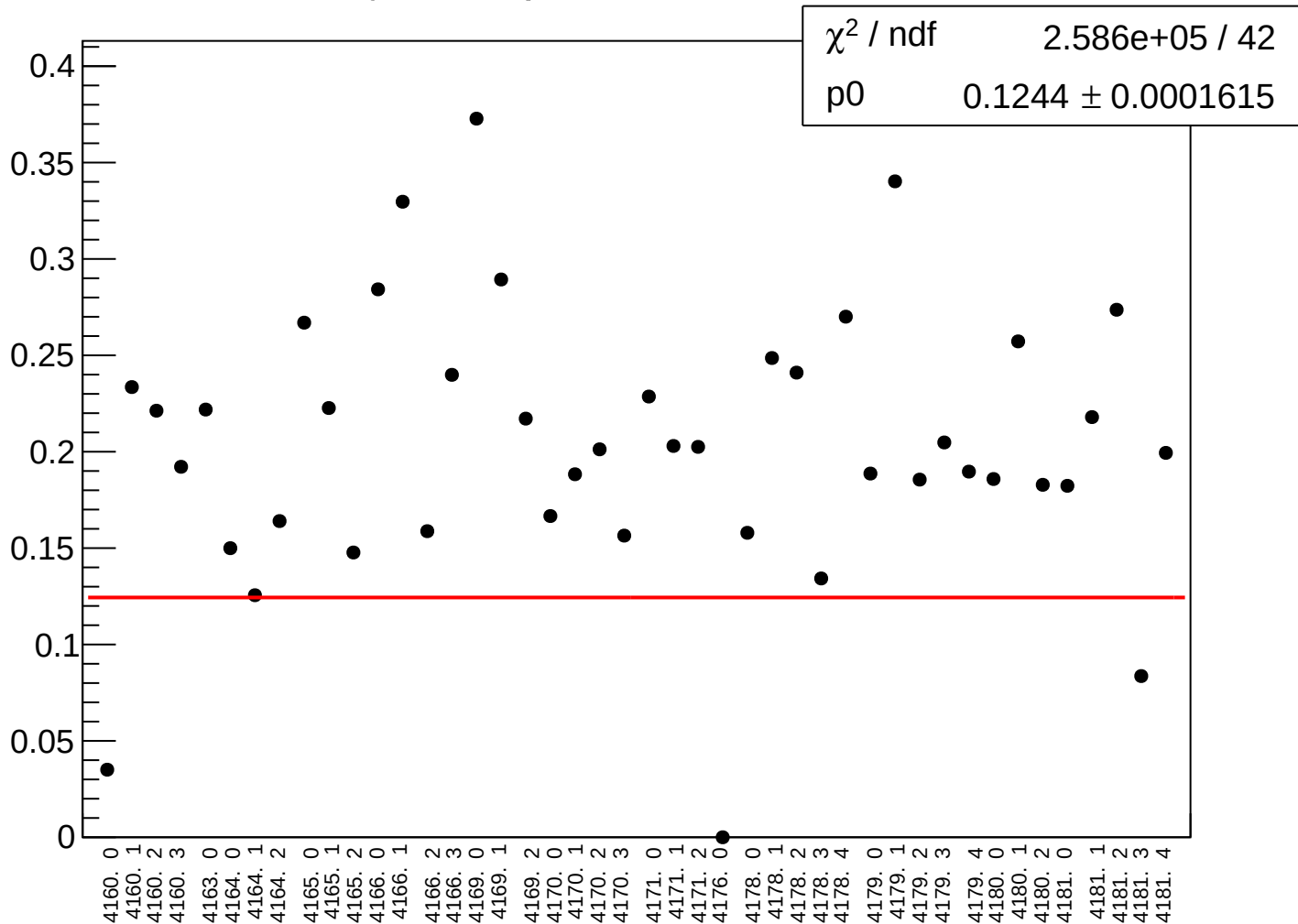




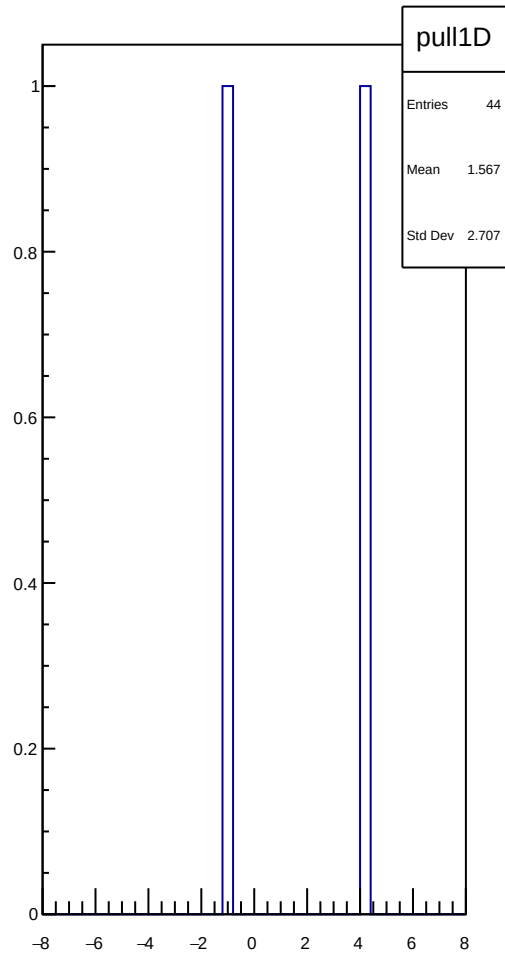
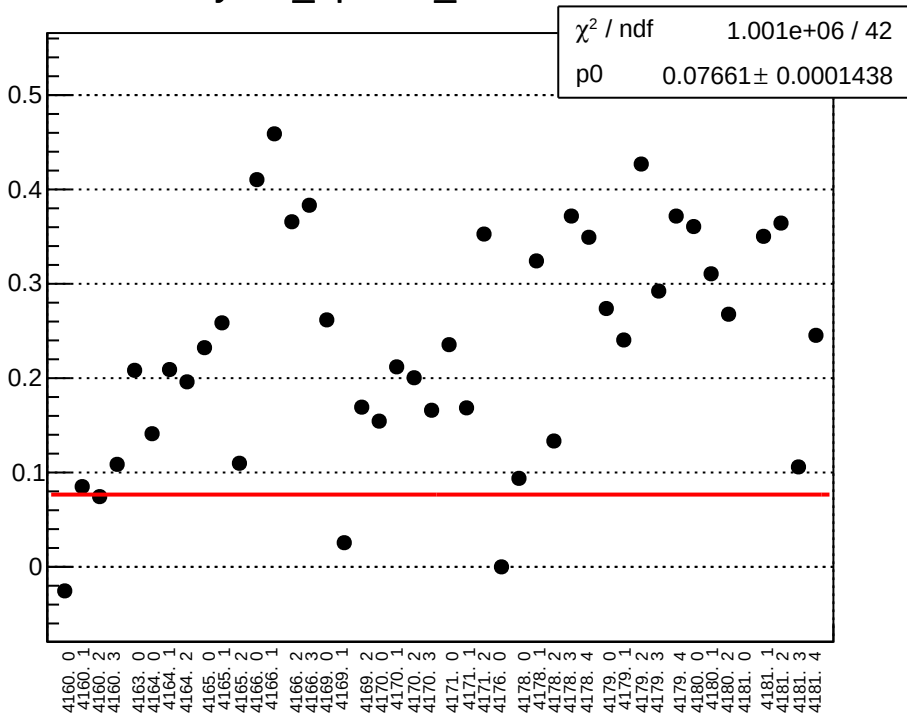
# yield\_bpm1X\_mean vs run



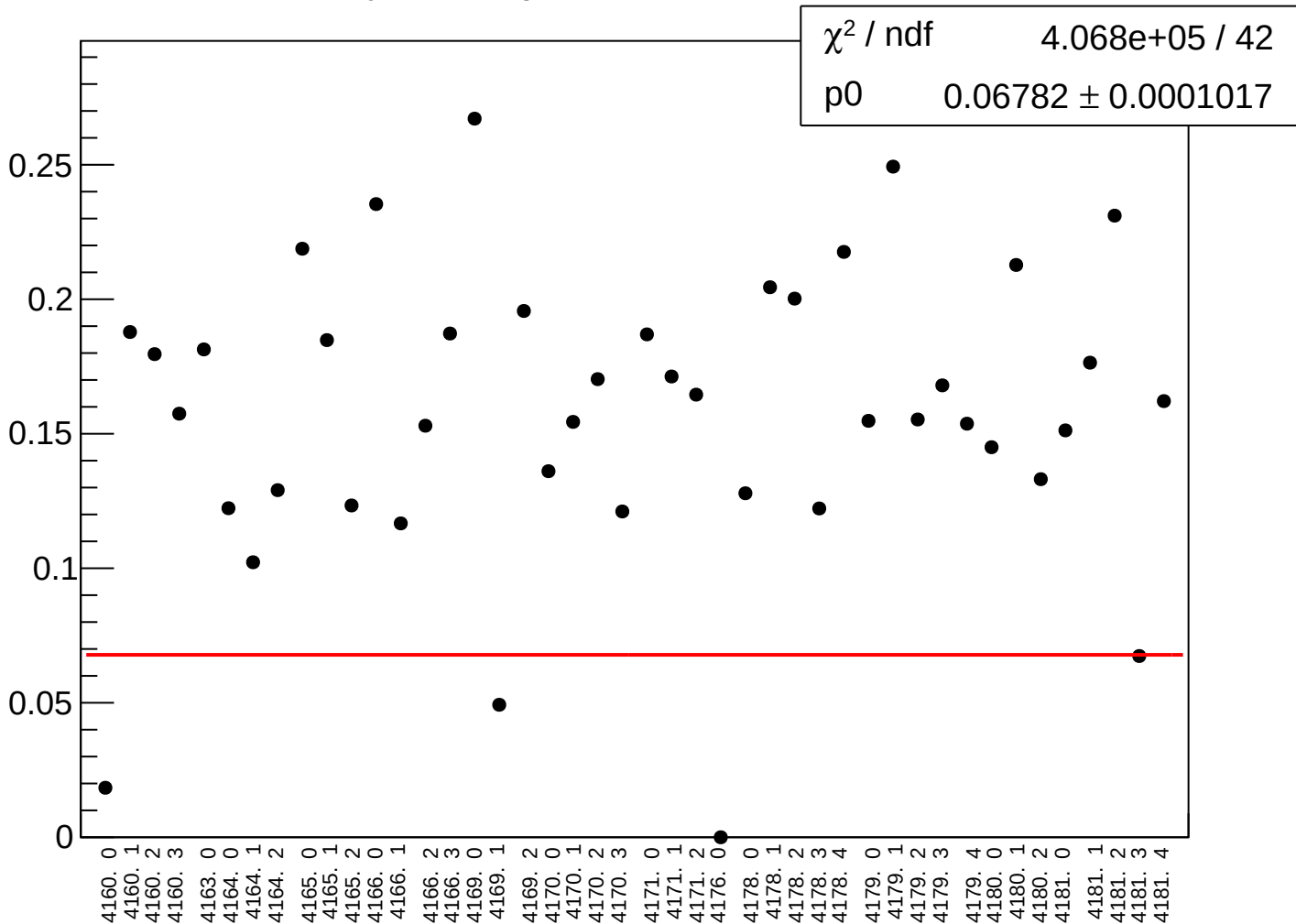
# yield\_bpm1X\_rms vs run



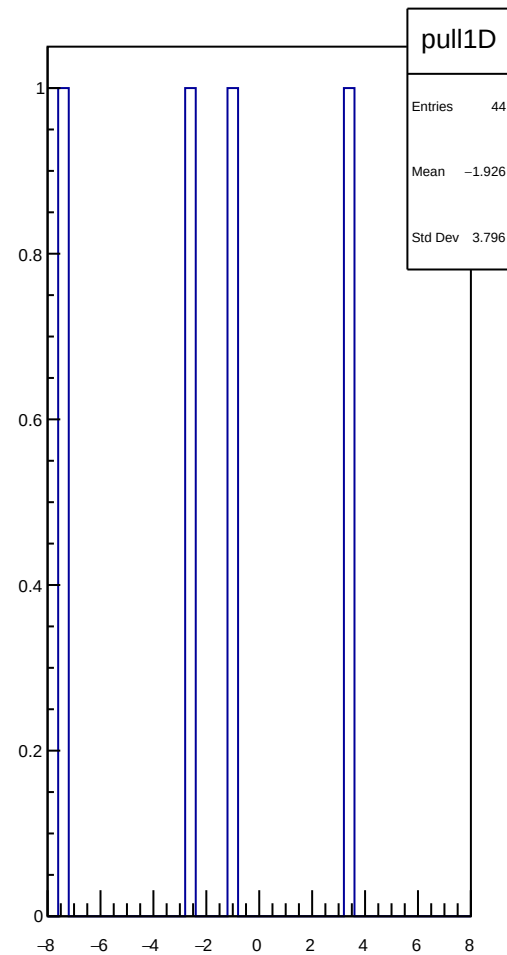
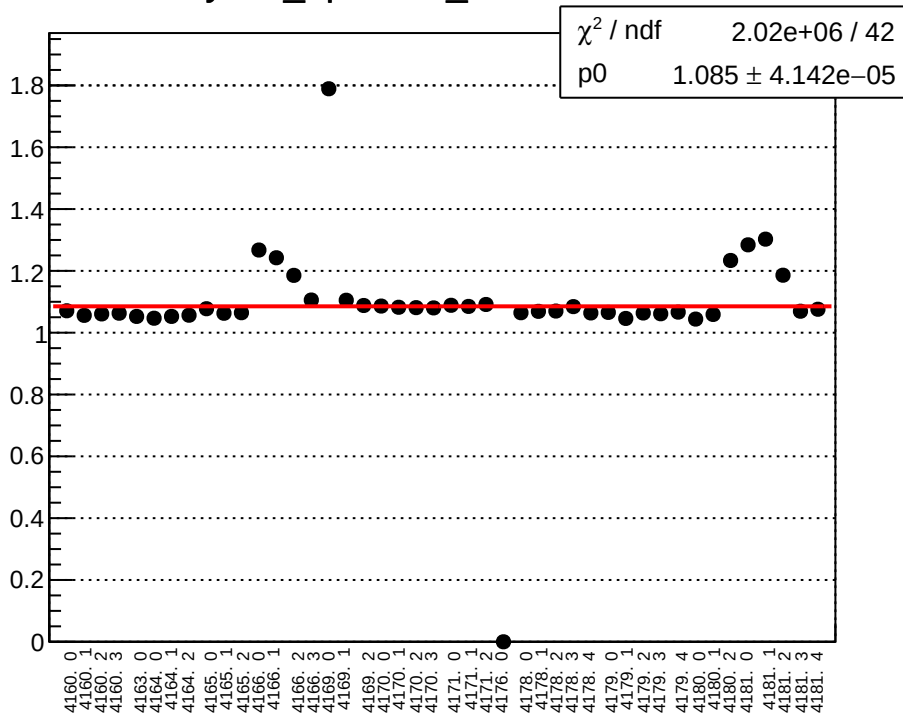
yield\_bpm1Y\_mean vs run



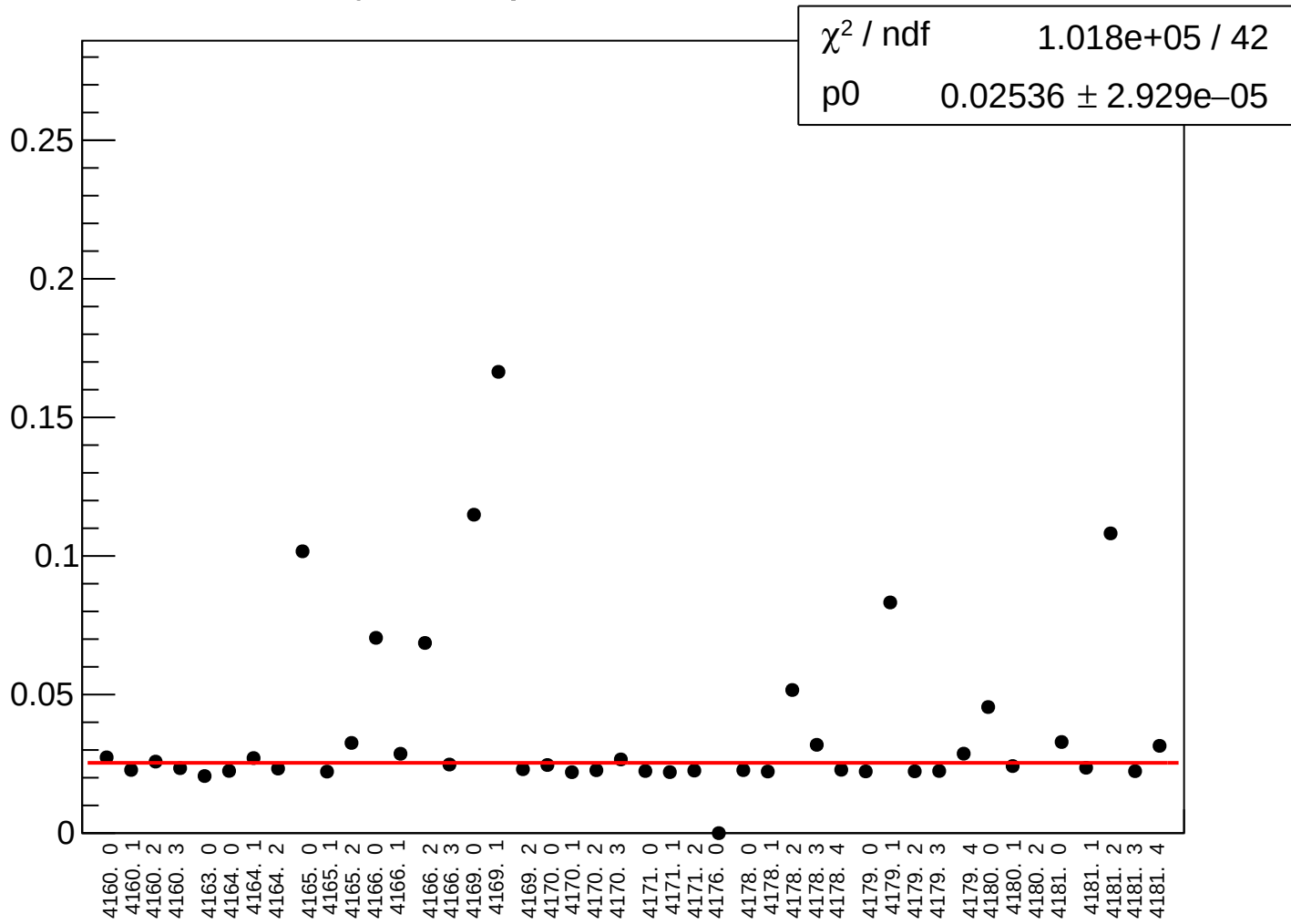
# yield\_bpm1Y\_rms vs run



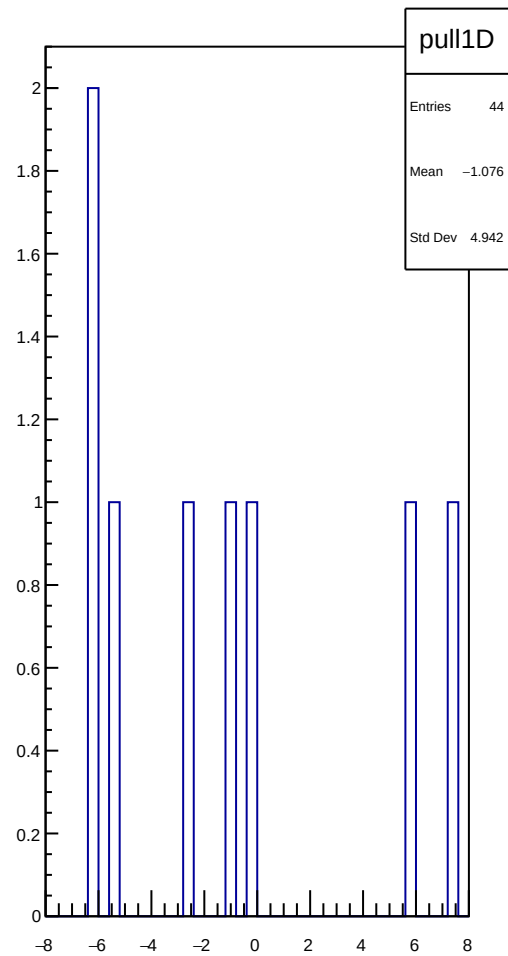
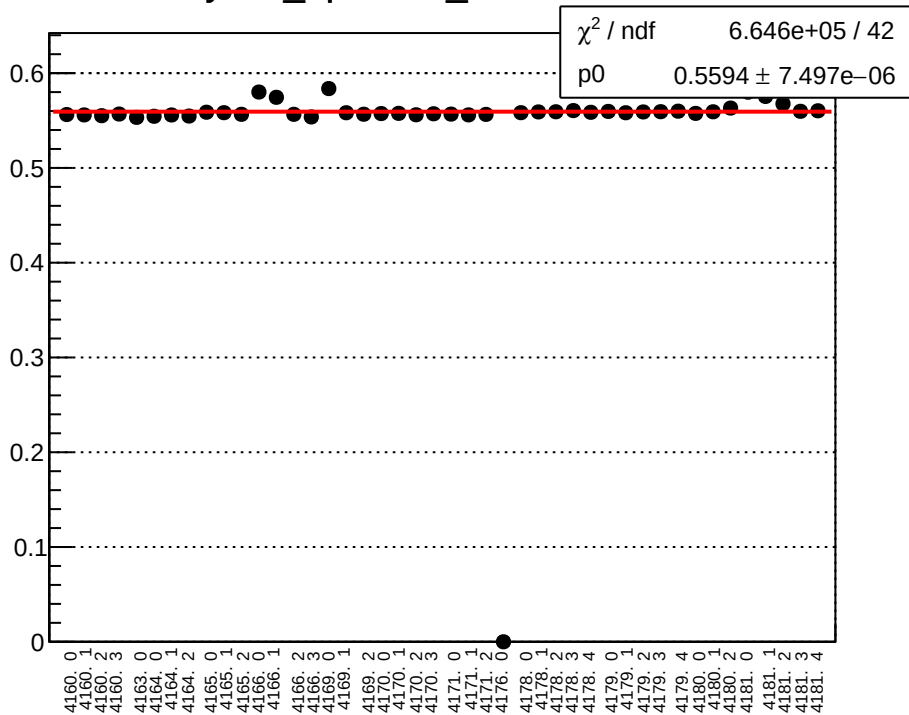
# yield\_bpm11X\_mean vs run



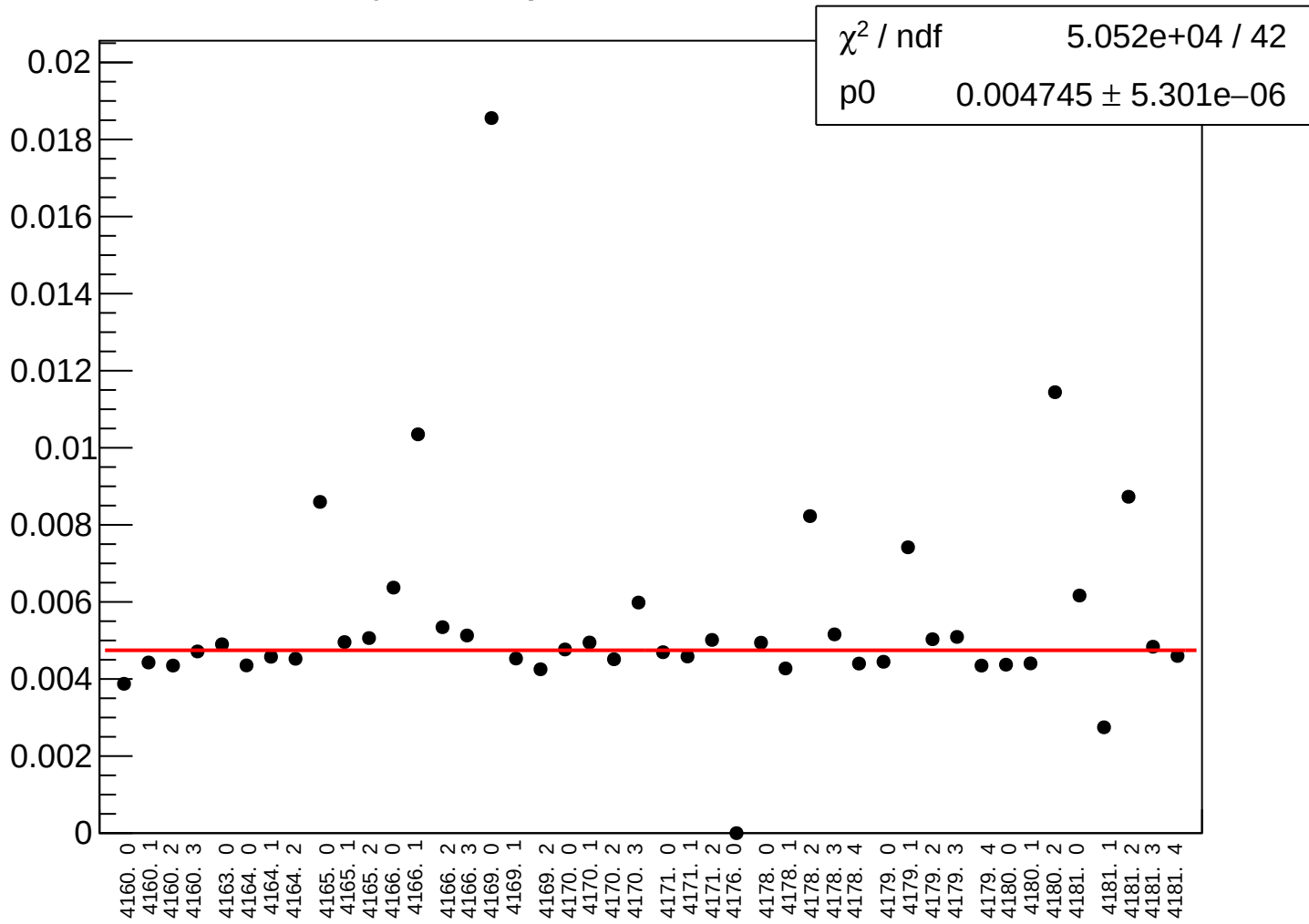
# yield\_bpm11X\_rms vs run



# yield\_bpm11Y\_mean vs run

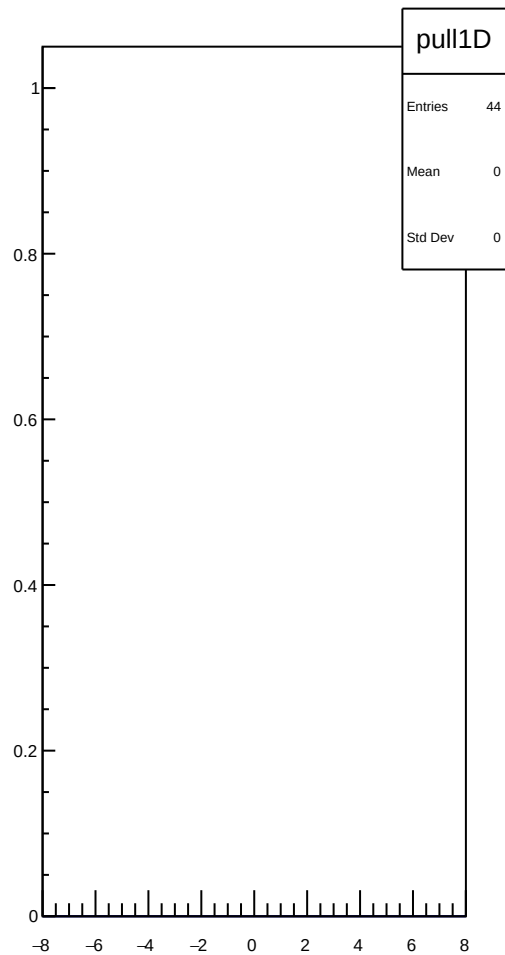
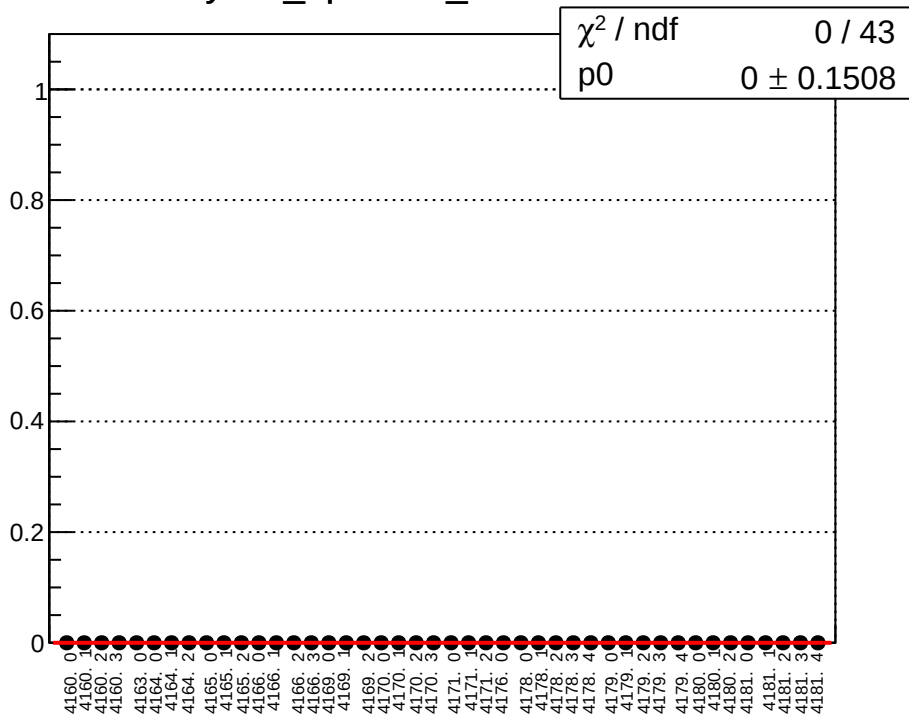


# yield\_bpm11Y\_rms vs run

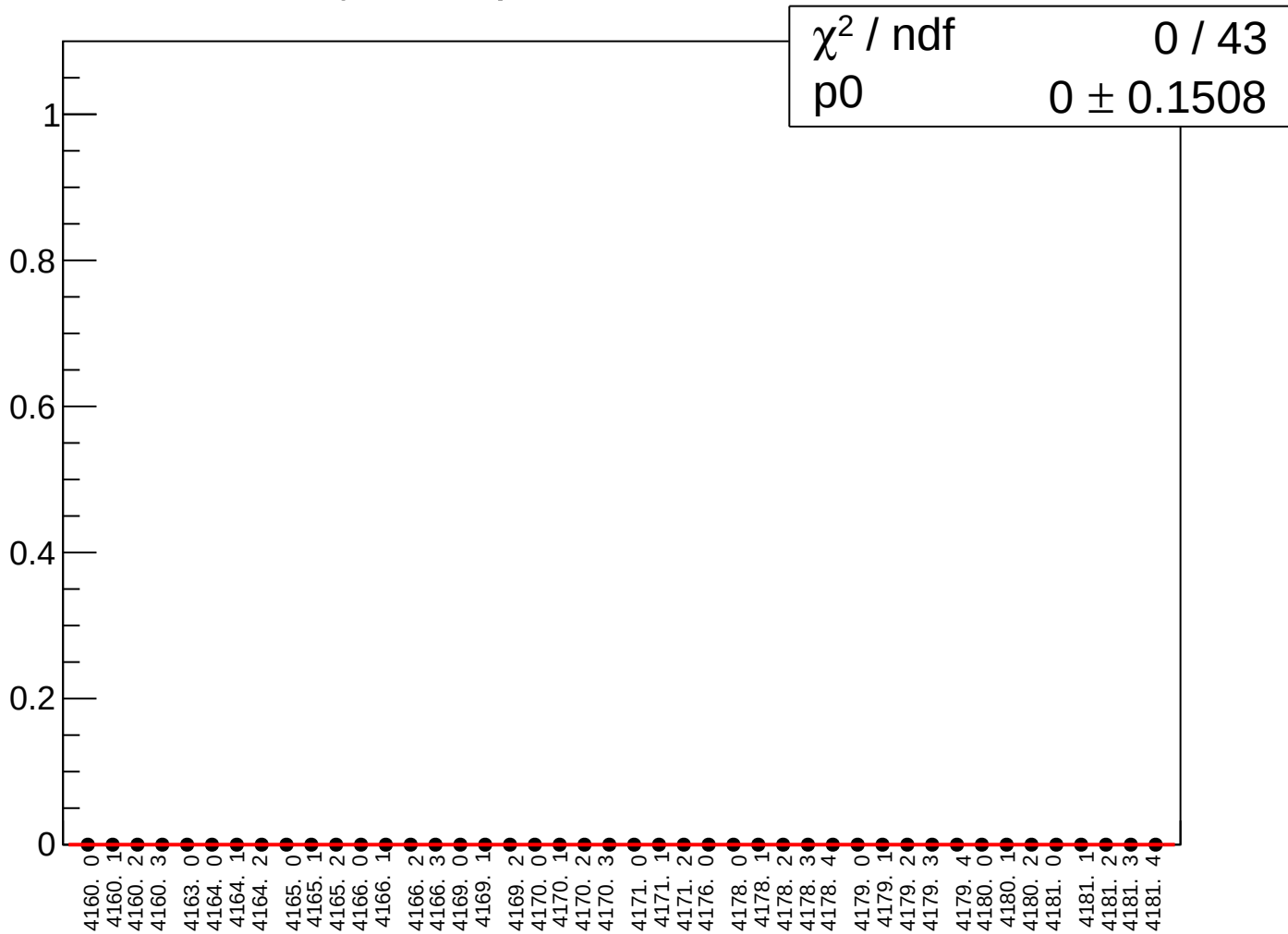




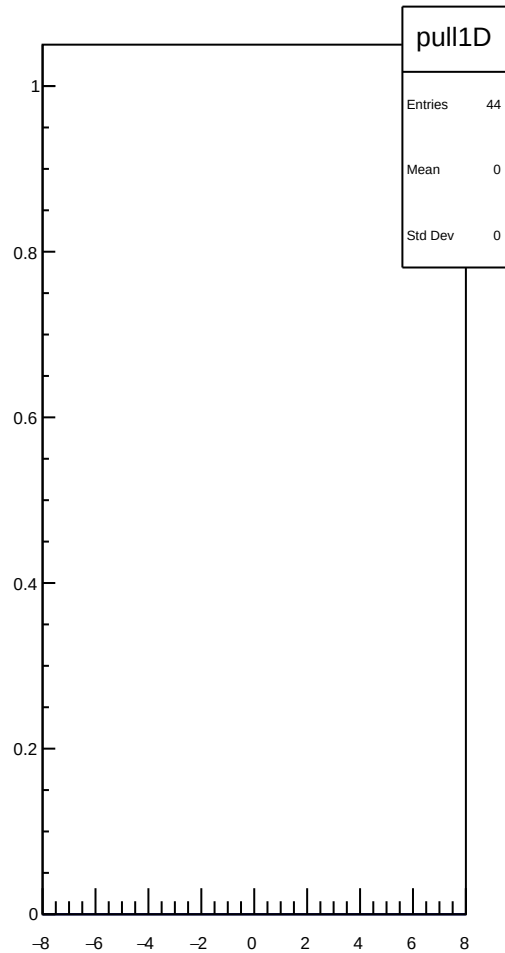
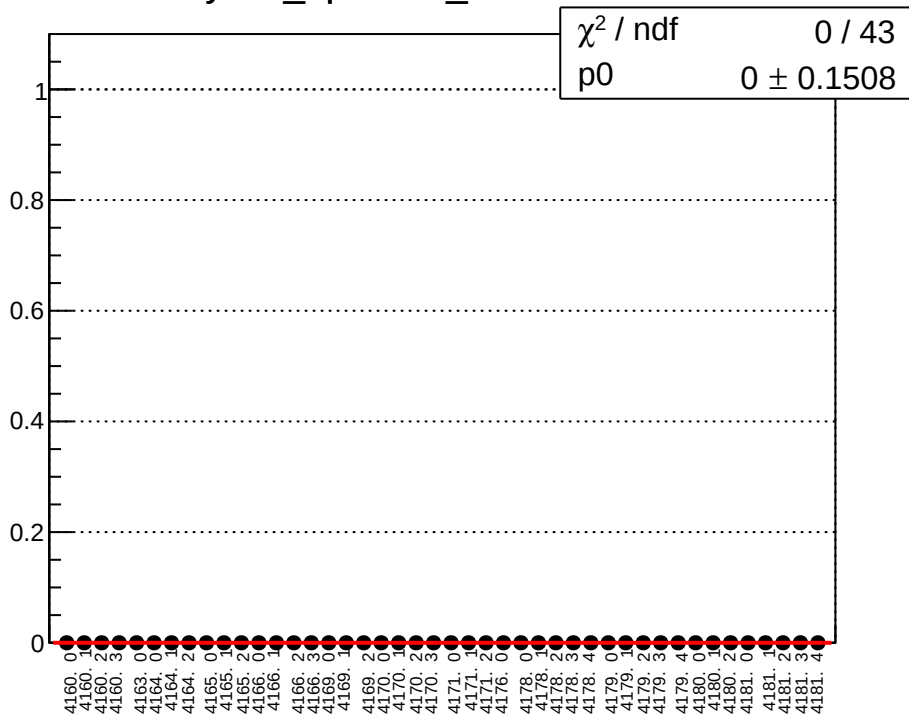
yield\_bpm14X\_mean vs run



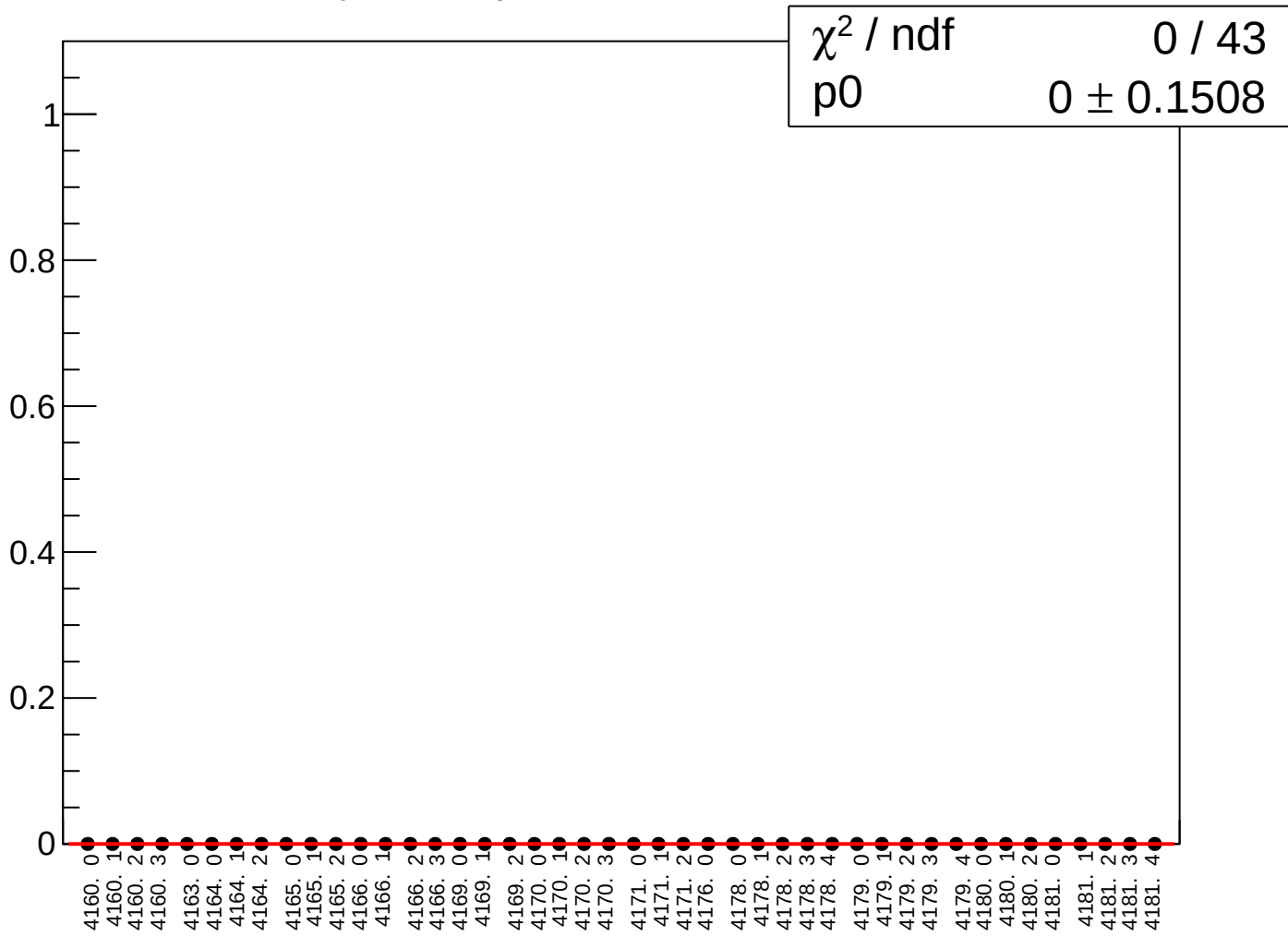
# yield\_bpm14X\_rms vs run



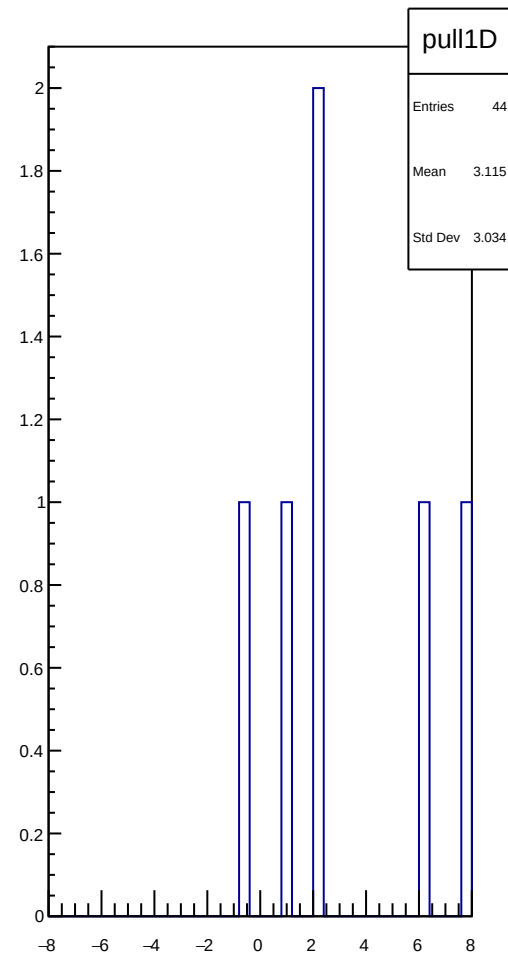
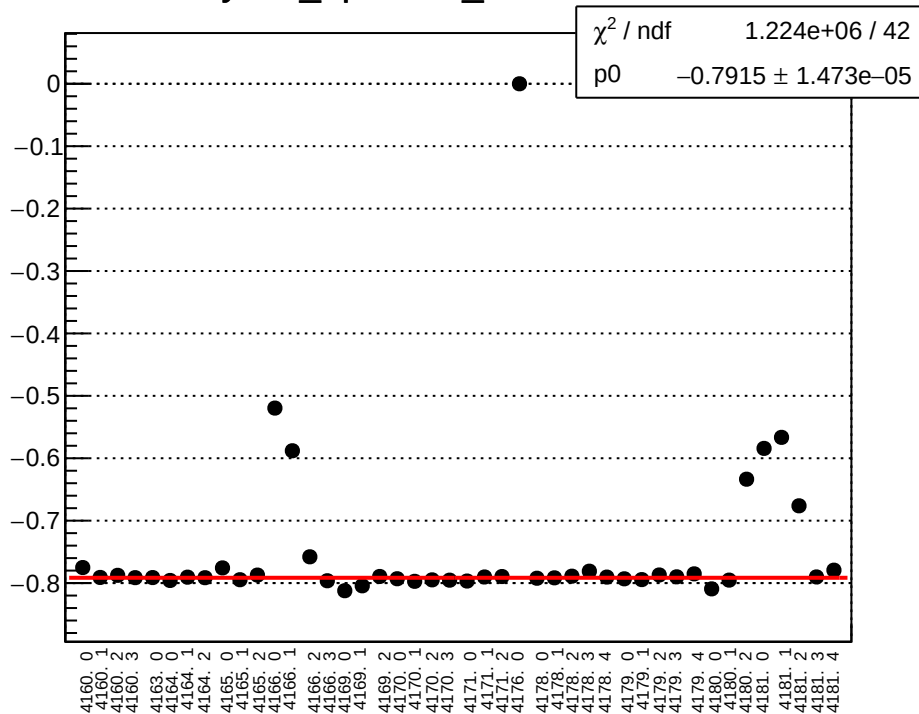
yield\_bpm14Y\_mean vs run



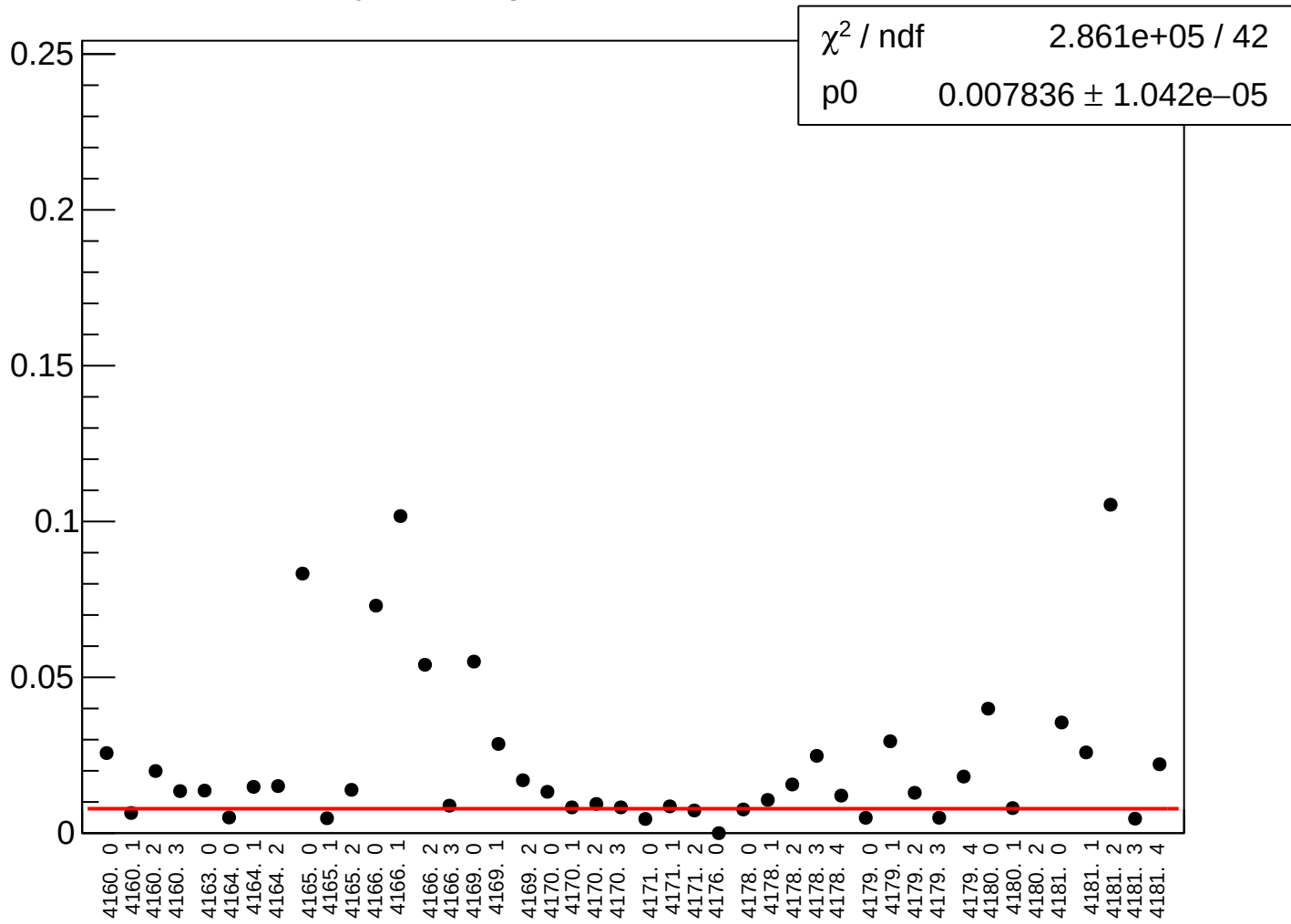
# yield\_bpm14Y\_rms vs run



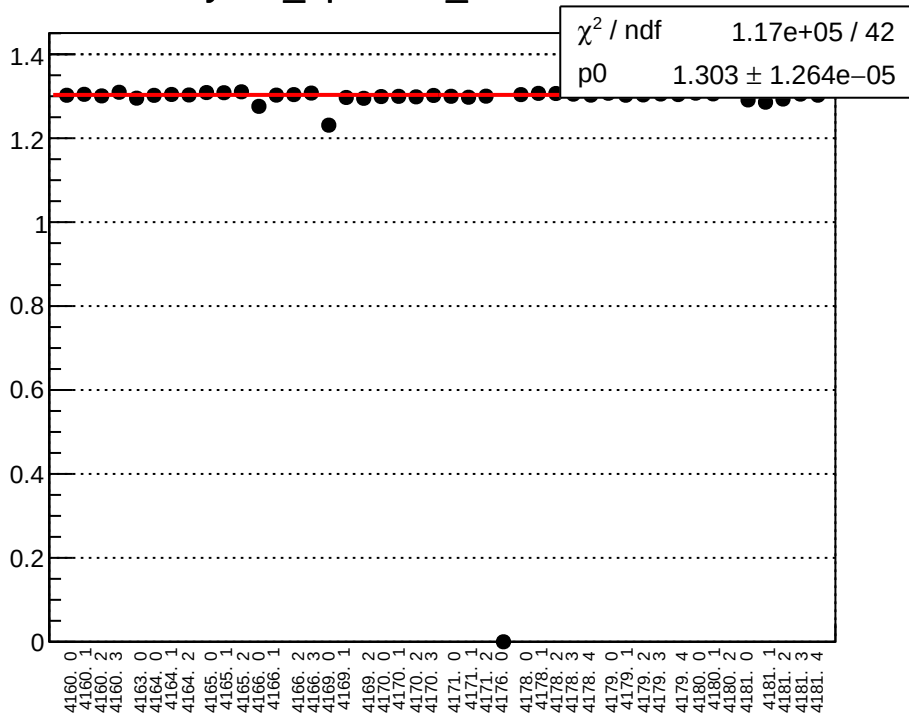
# yield\_bpm12X\_mean vs run



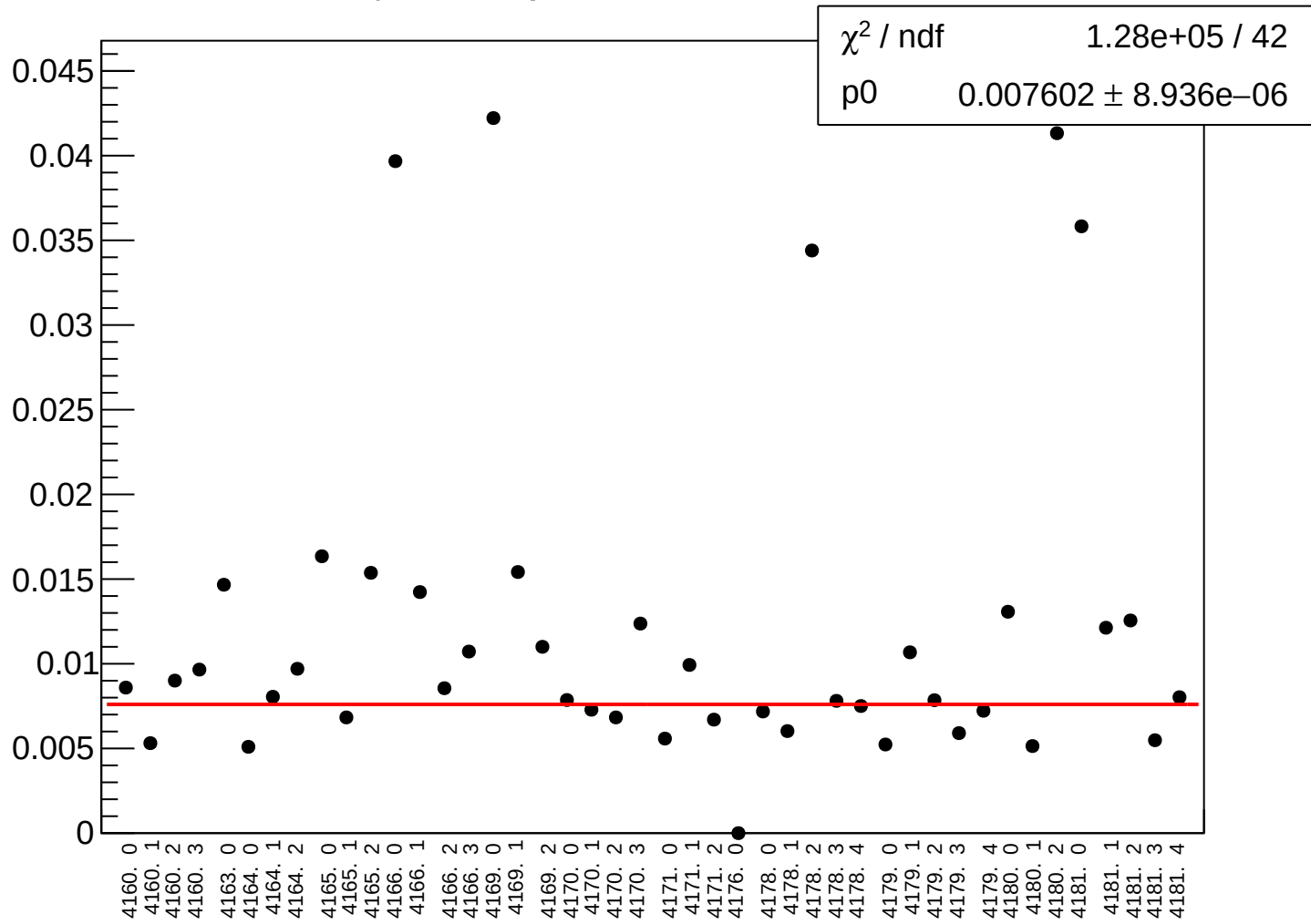
# yield\_bpm12X\_rms vs run



# yield\_bpm12Y\_mean vs run

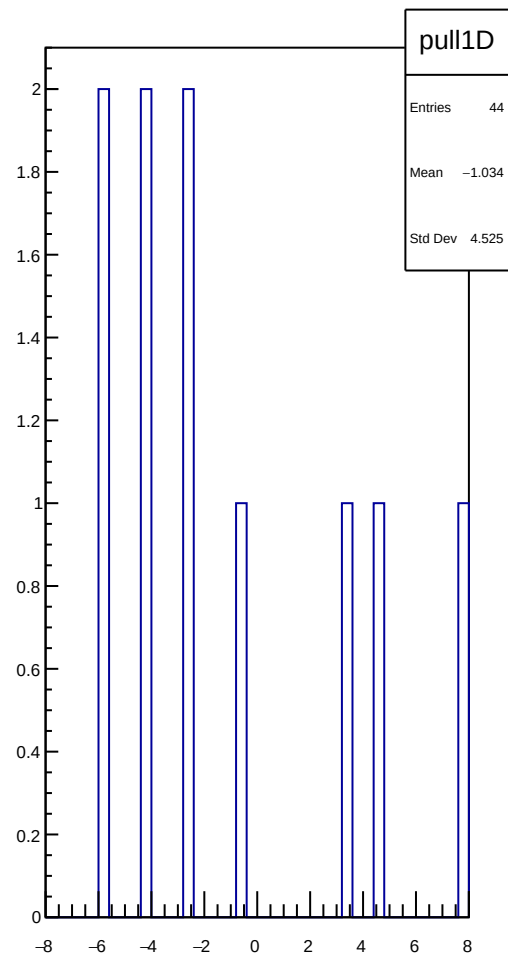
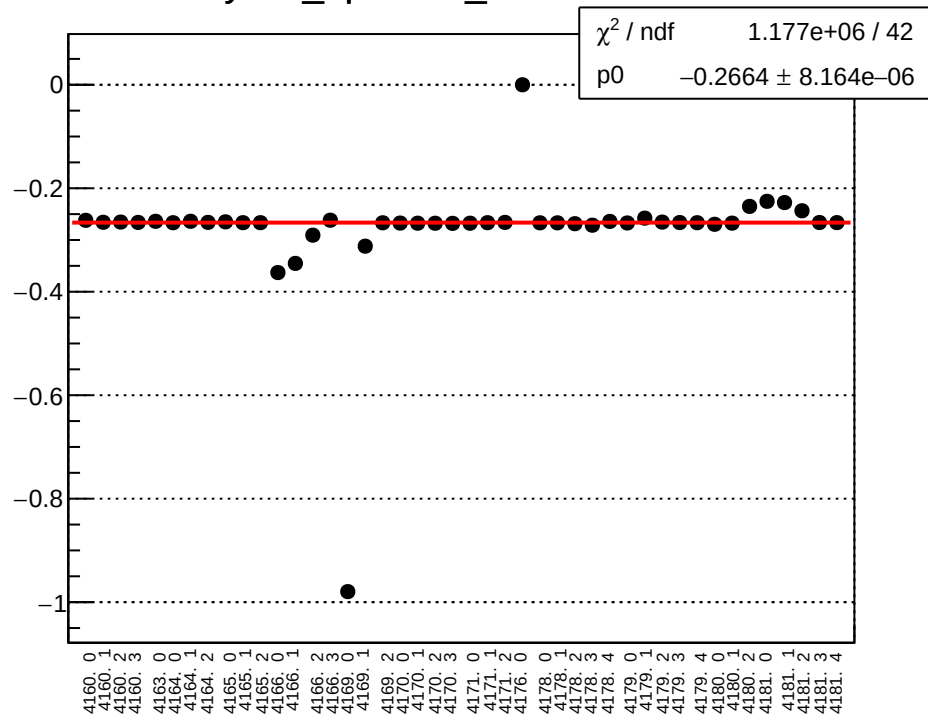


# yield\_bpm12Y\_rms vs run

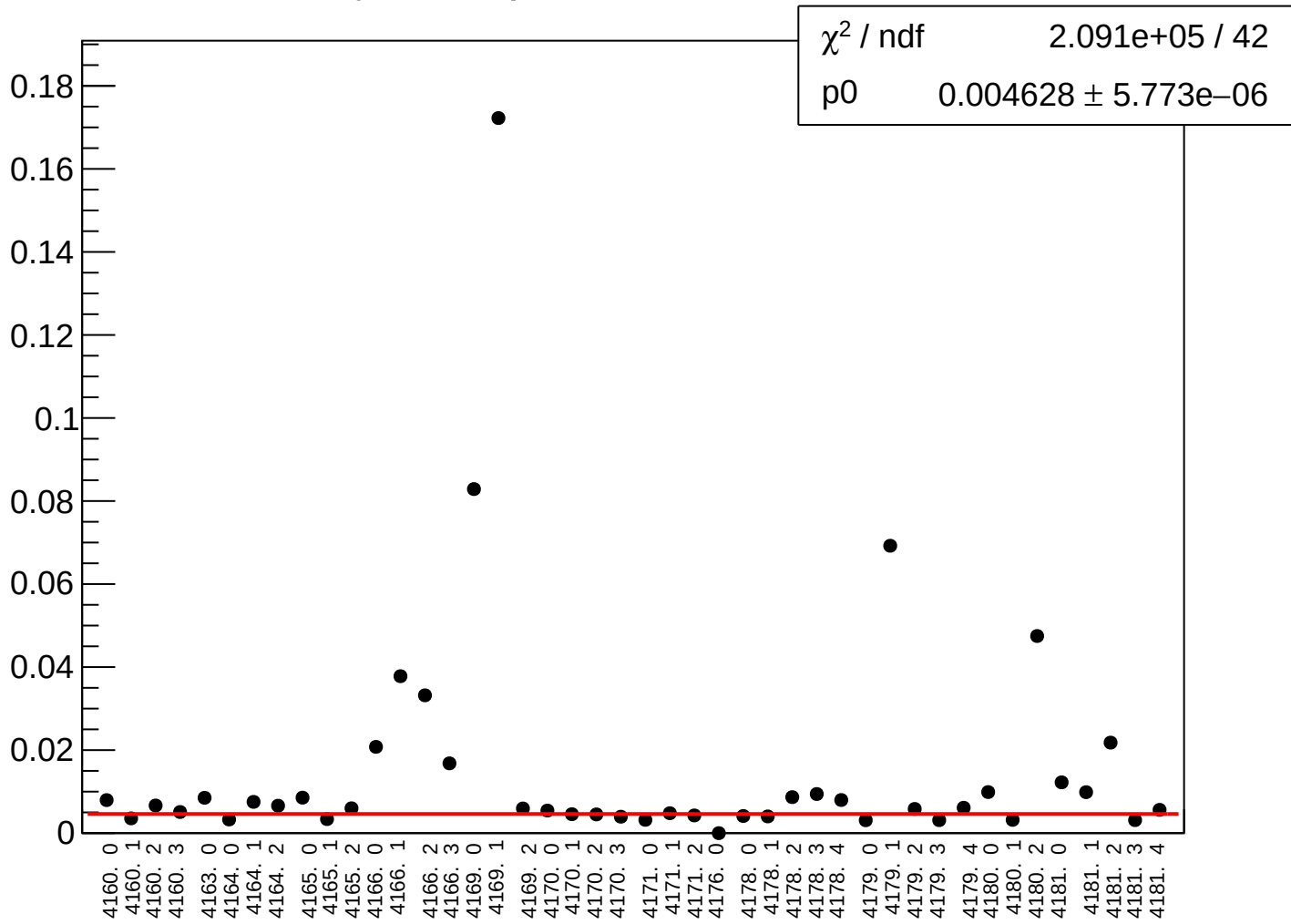




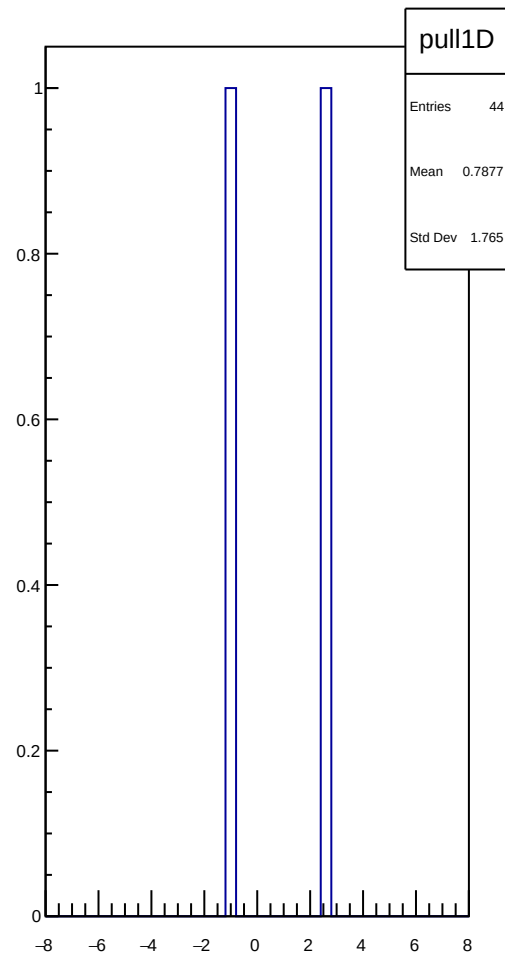
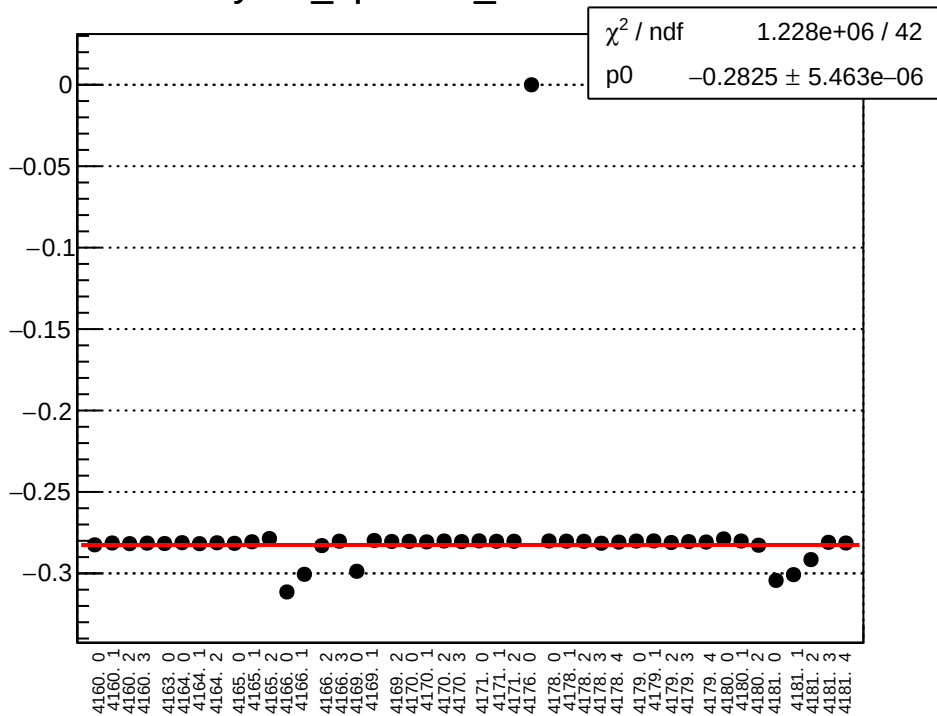
# yield\_bpm16X\_mean vs run



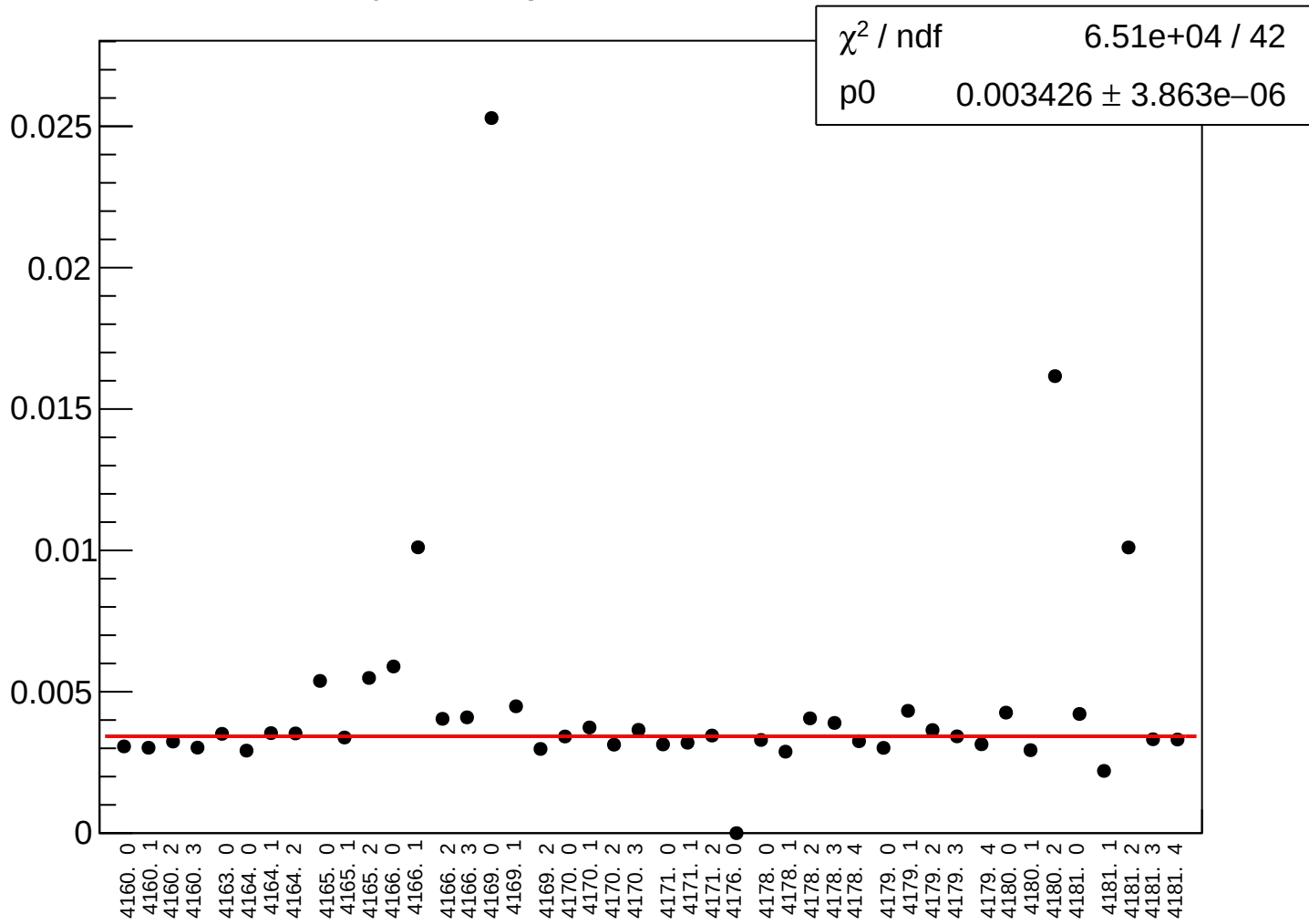
# yield\_bpm16X\_rms vs run



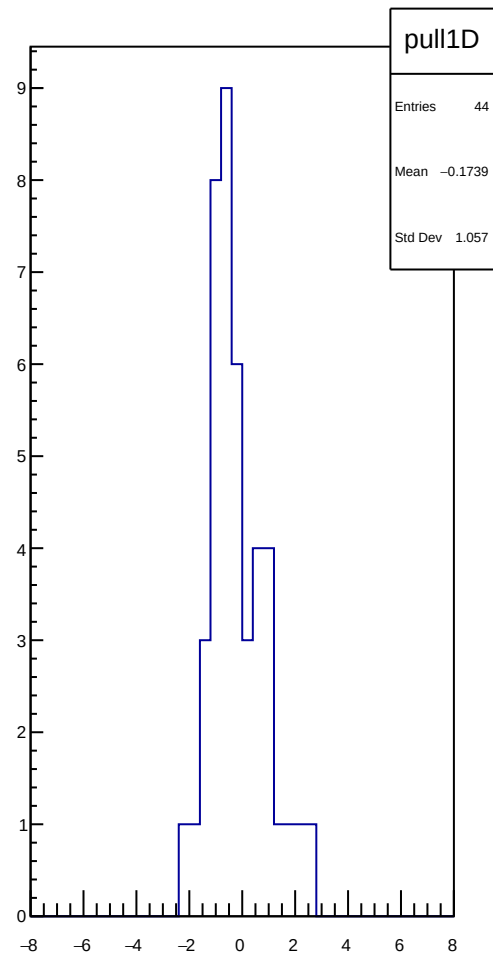
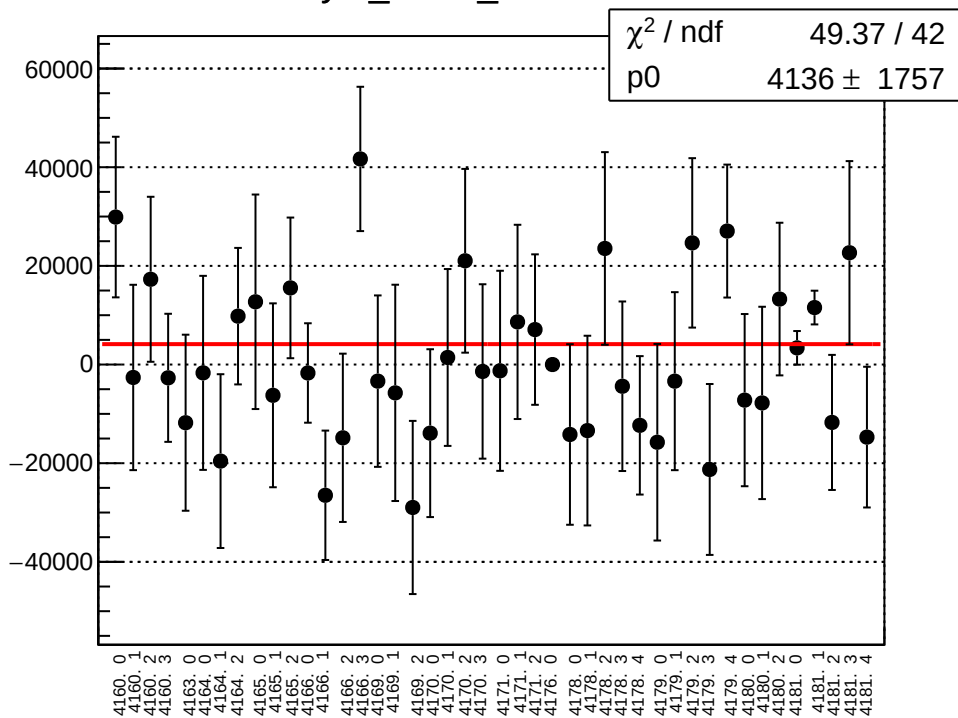
# yield\_bpm16Y\_mean vs run



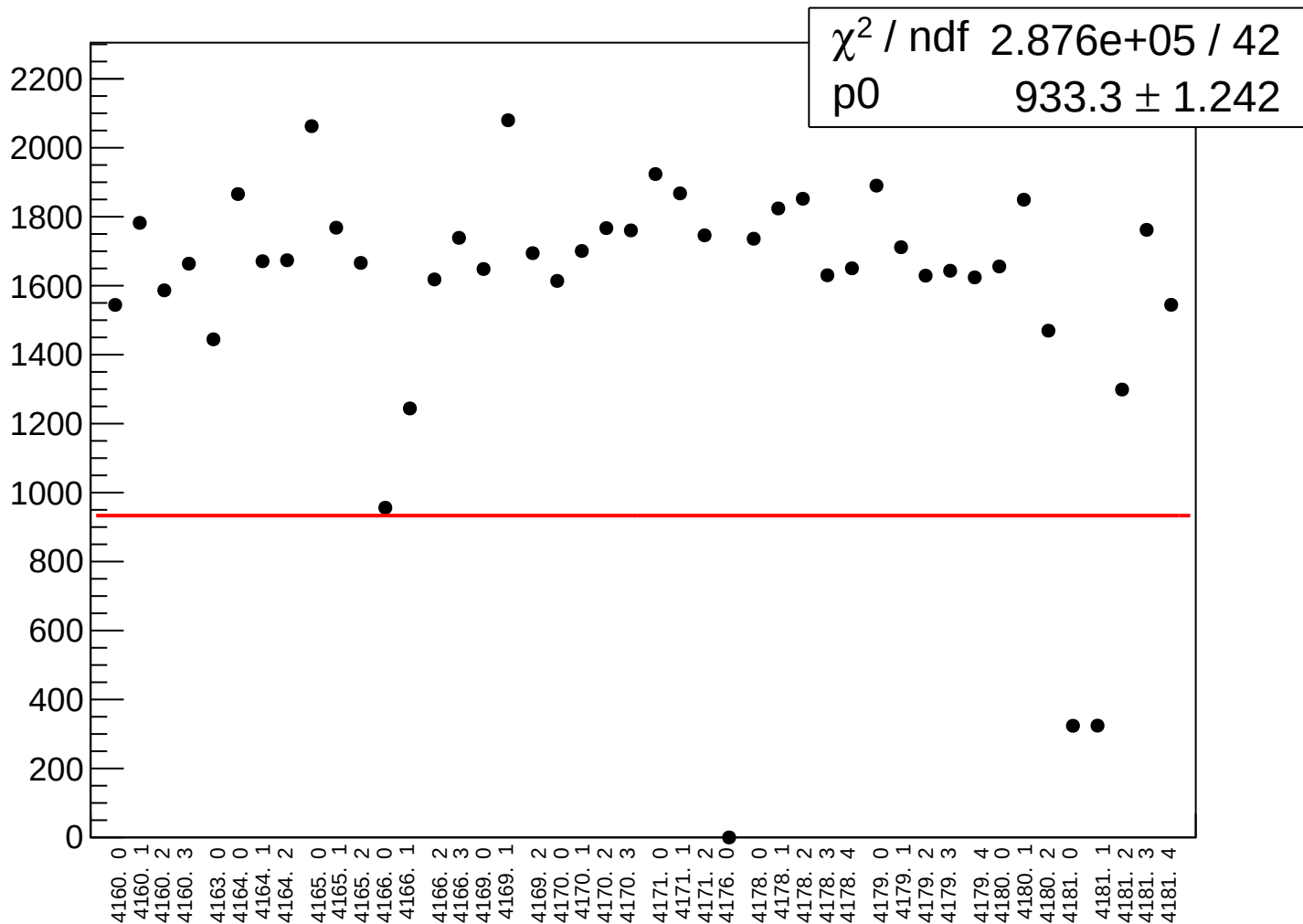
# yield\_bpm16Y\_rms vs run



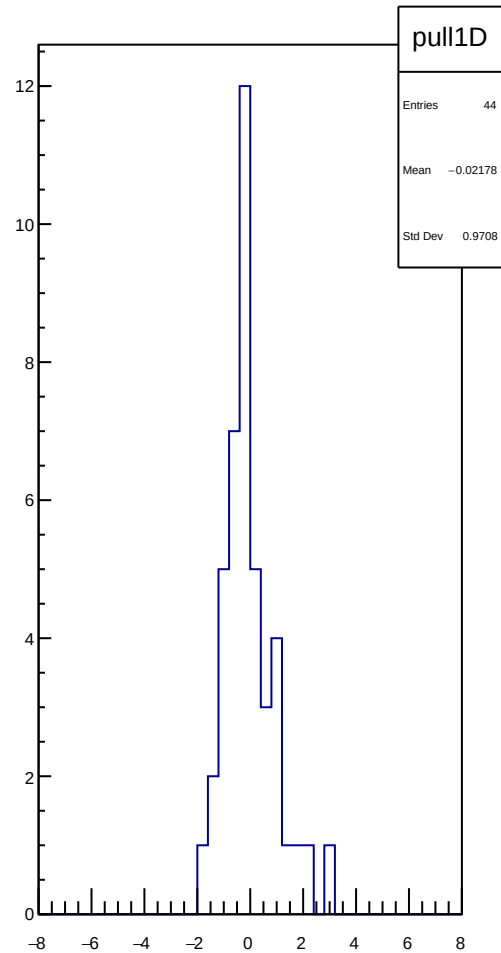
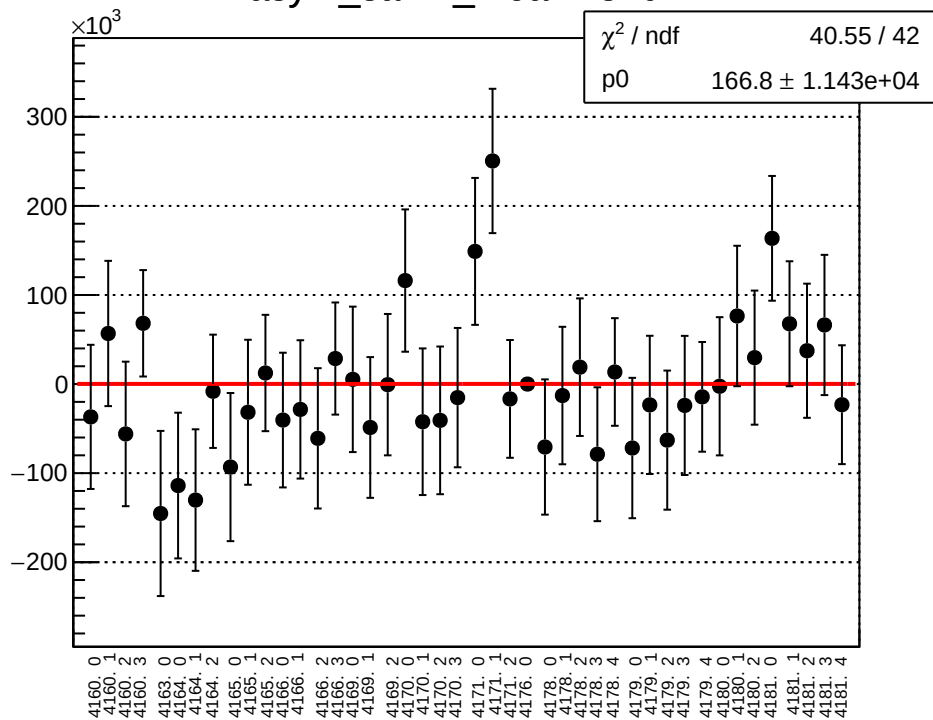
# asym\_sam1\_mean vs run



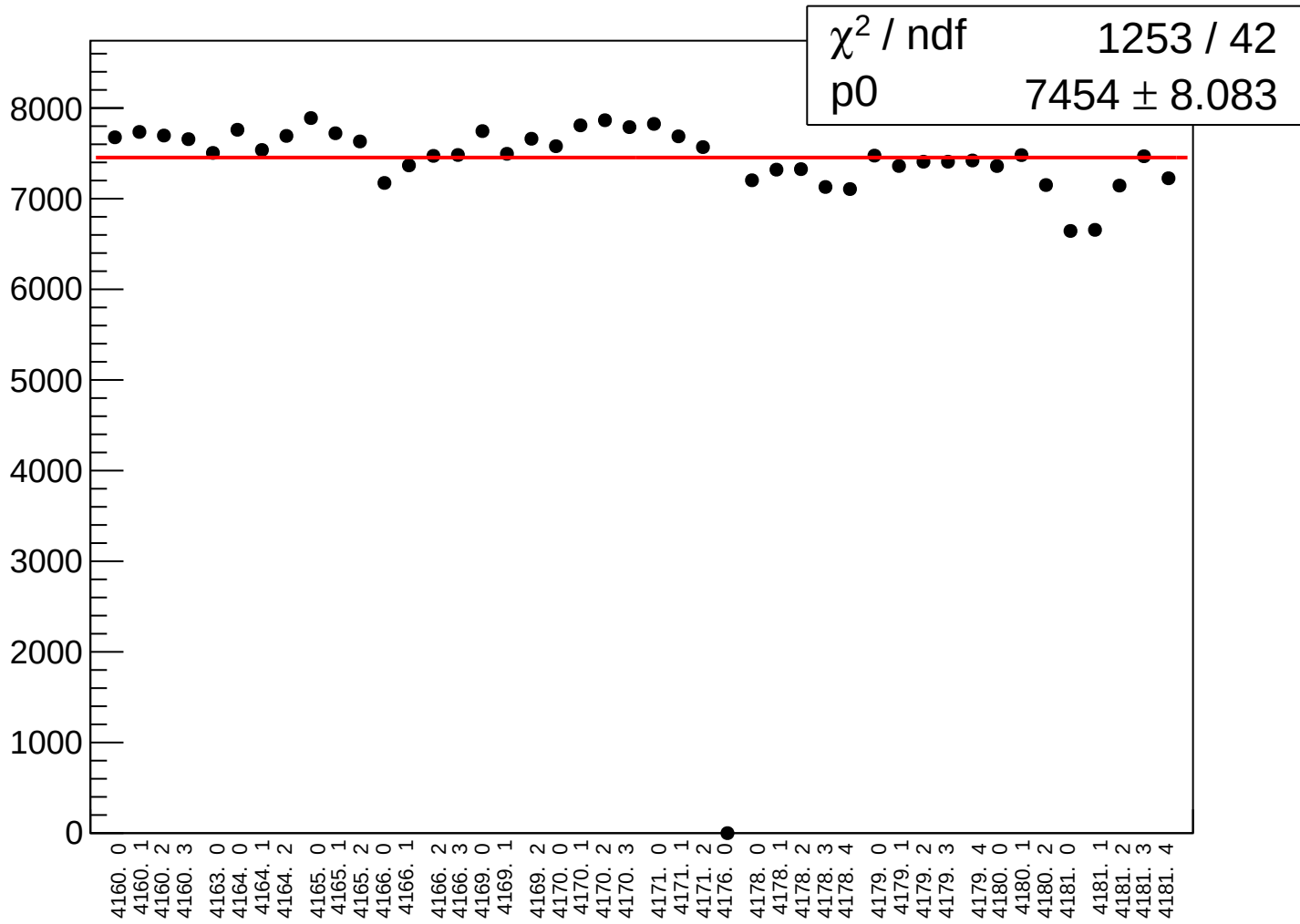
# asym\_sam1\_rms vs run



# asym\_sam2\_mean vs run

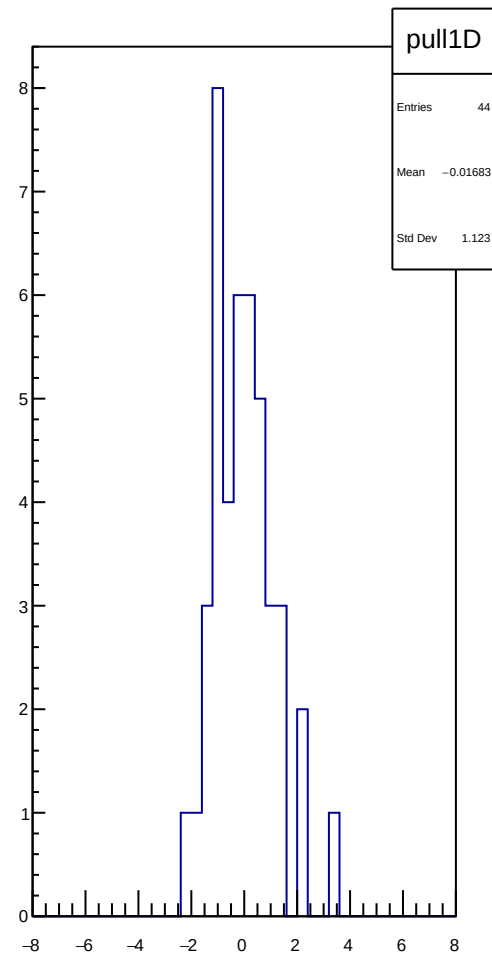
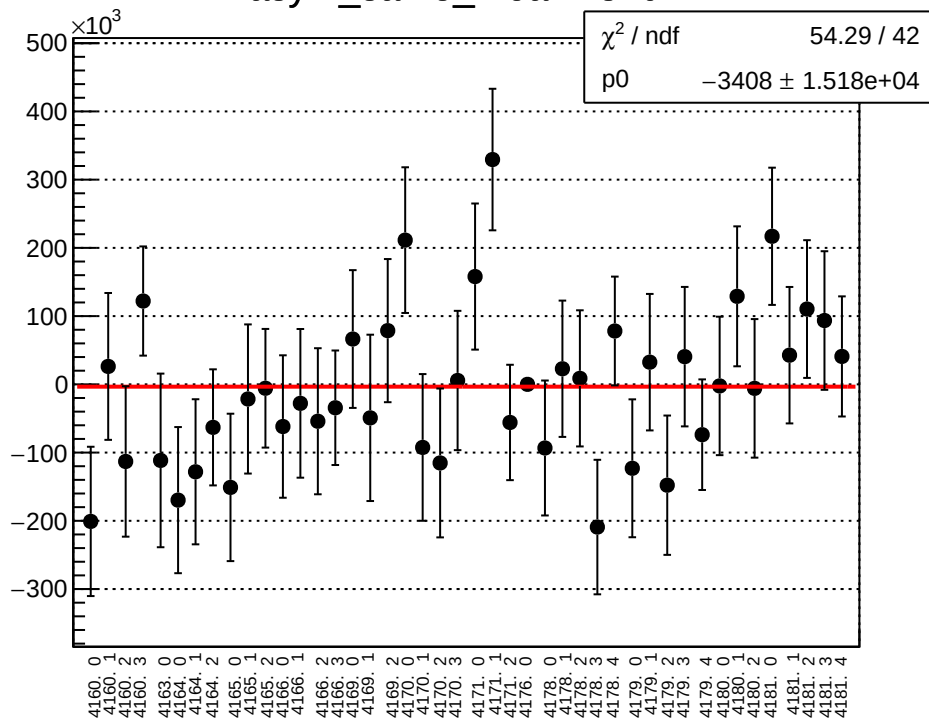


# asym\_sam2\_rms vs run

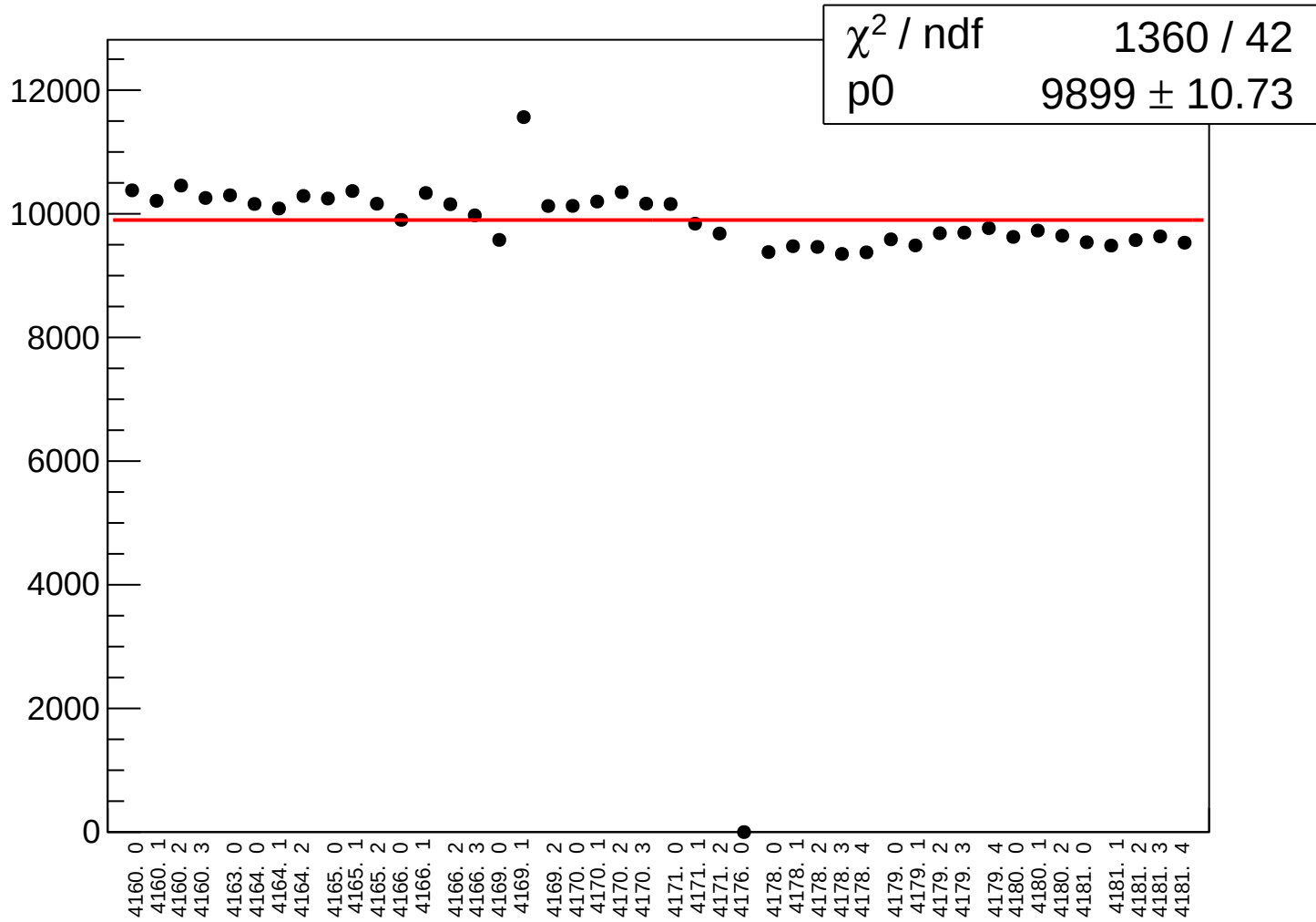




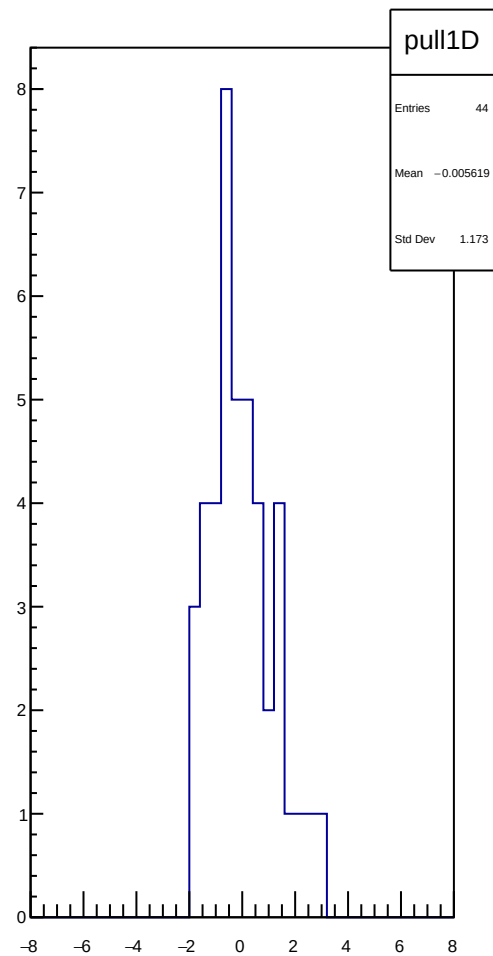
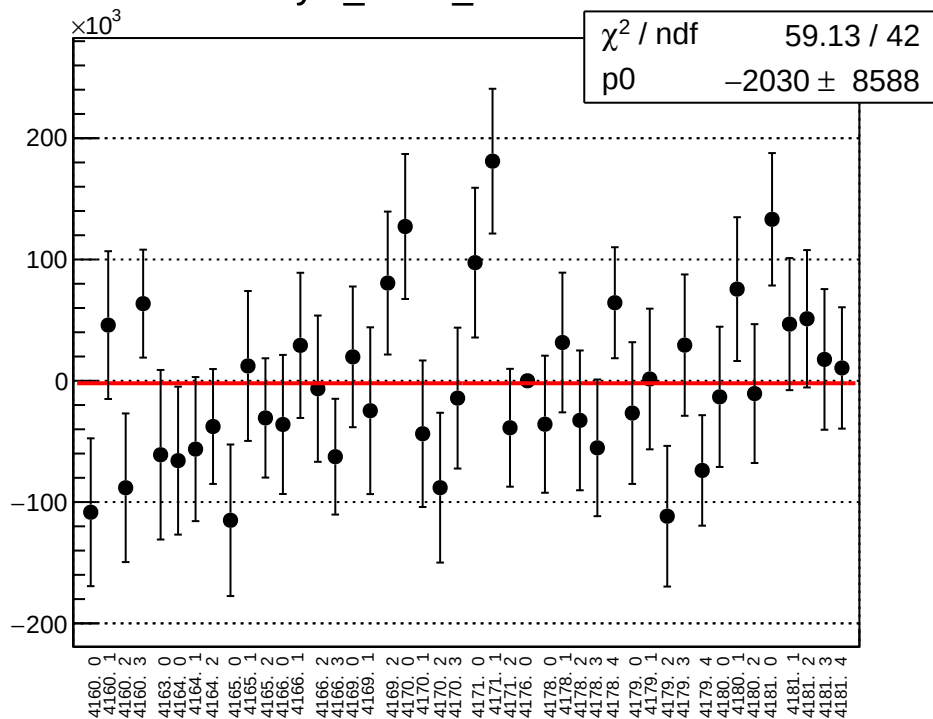
# asym\_sam3\_mean vs run



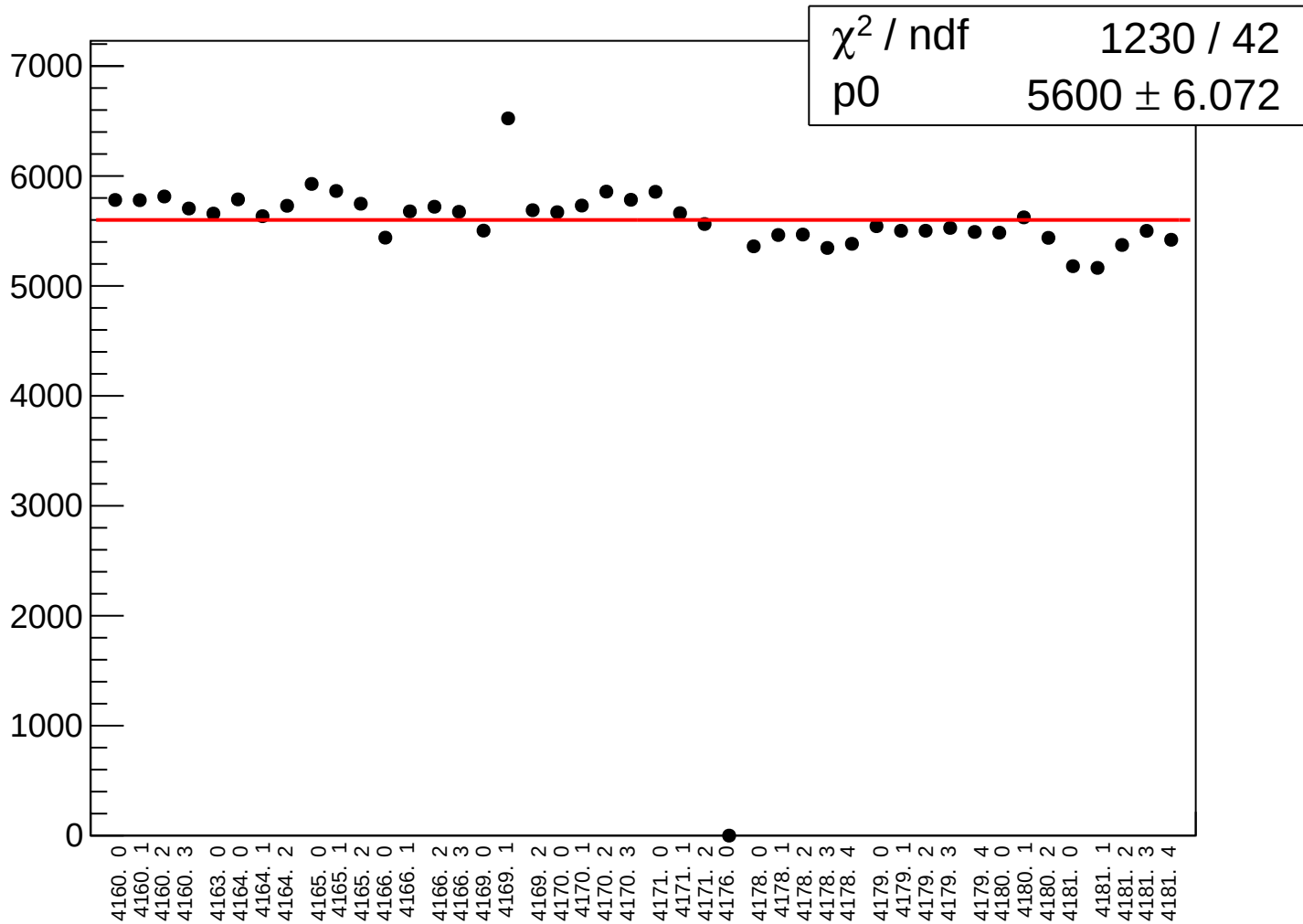
# asym\_sam3\_rms vs run



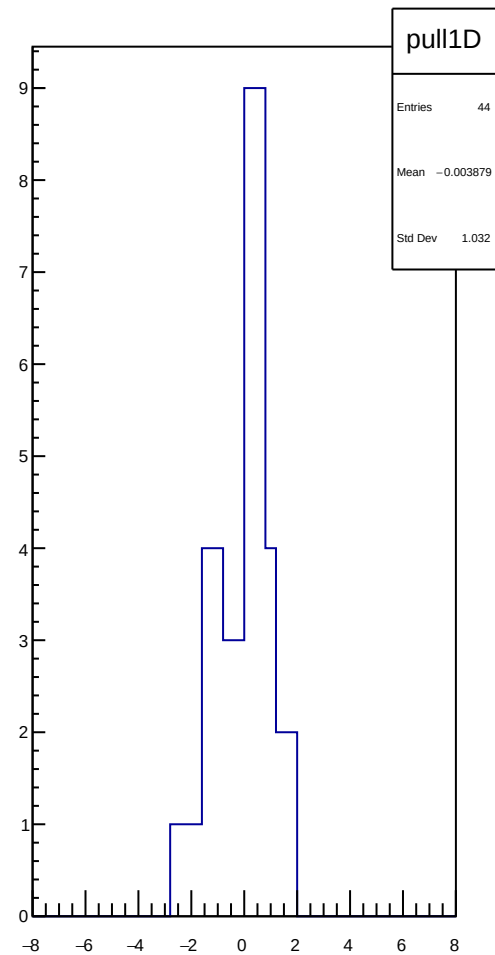
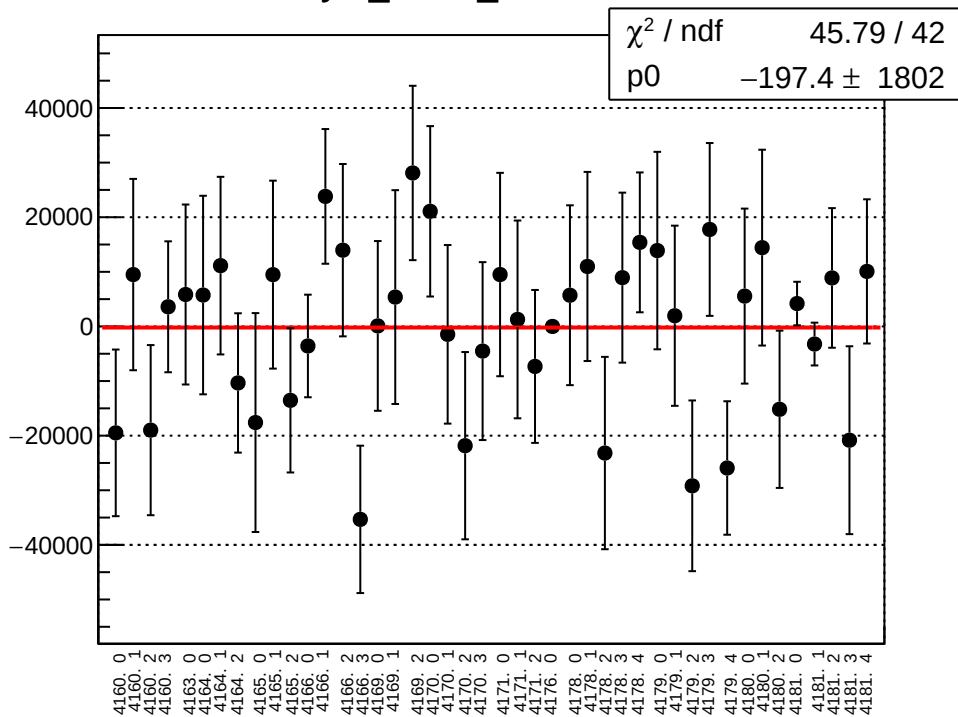
asym\_sam4\_mean vs run



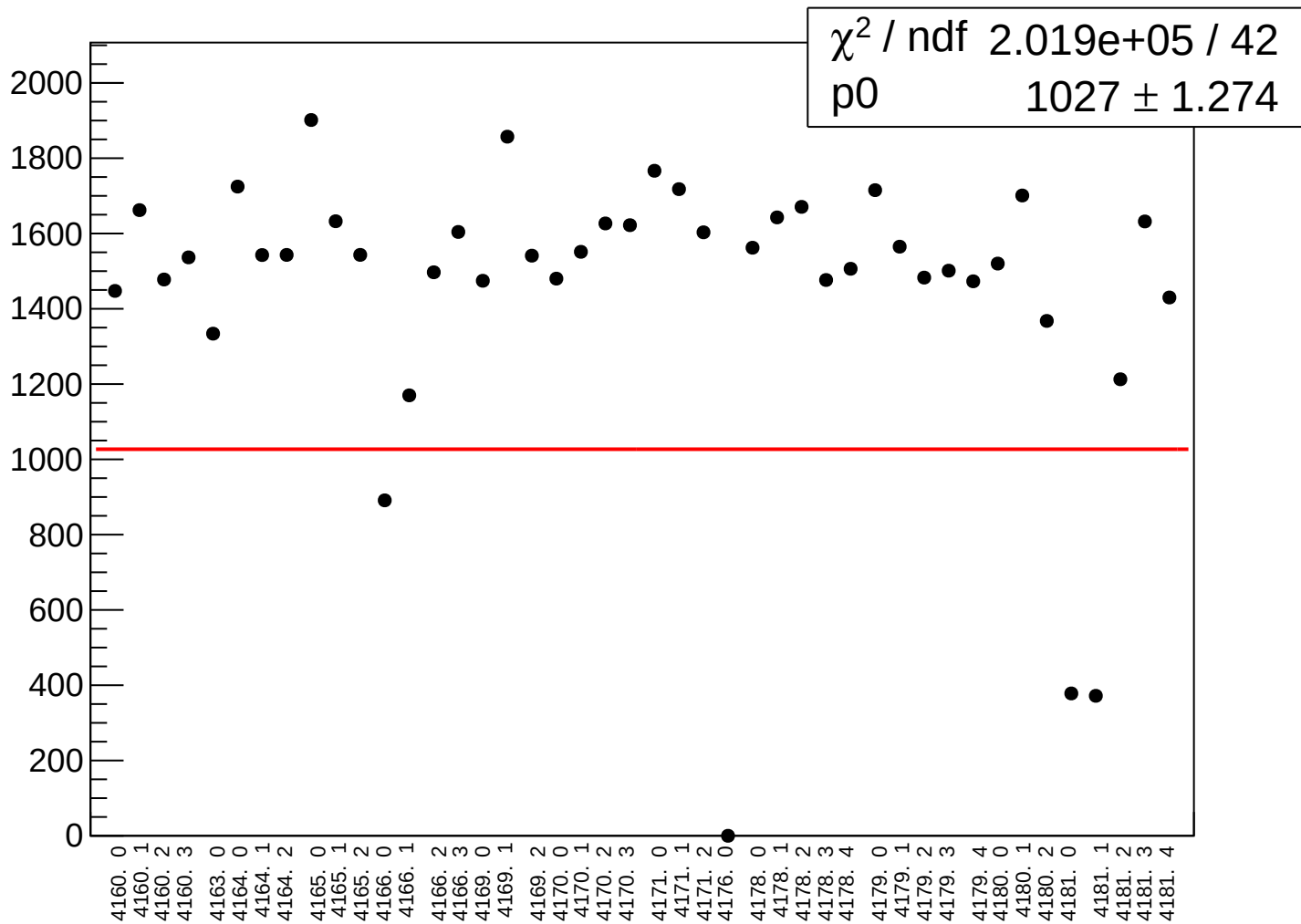
# asym\_sam4\_rms vs run



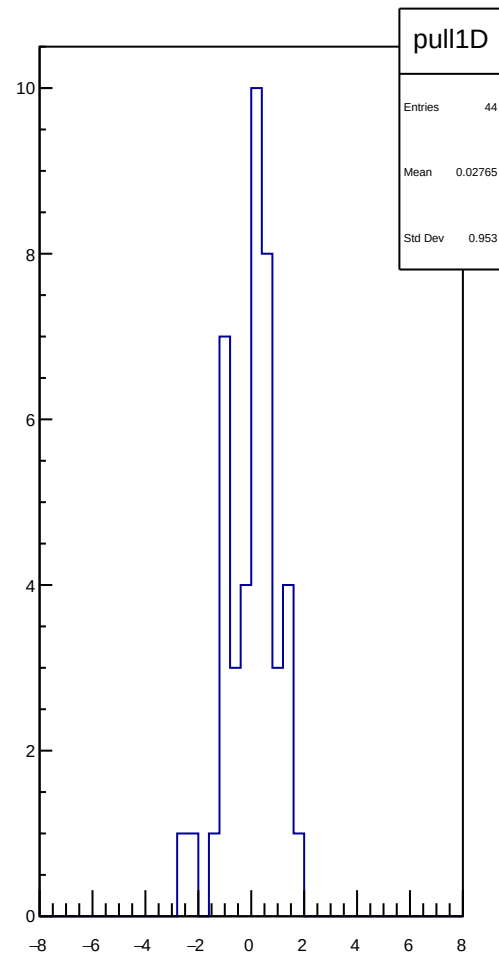
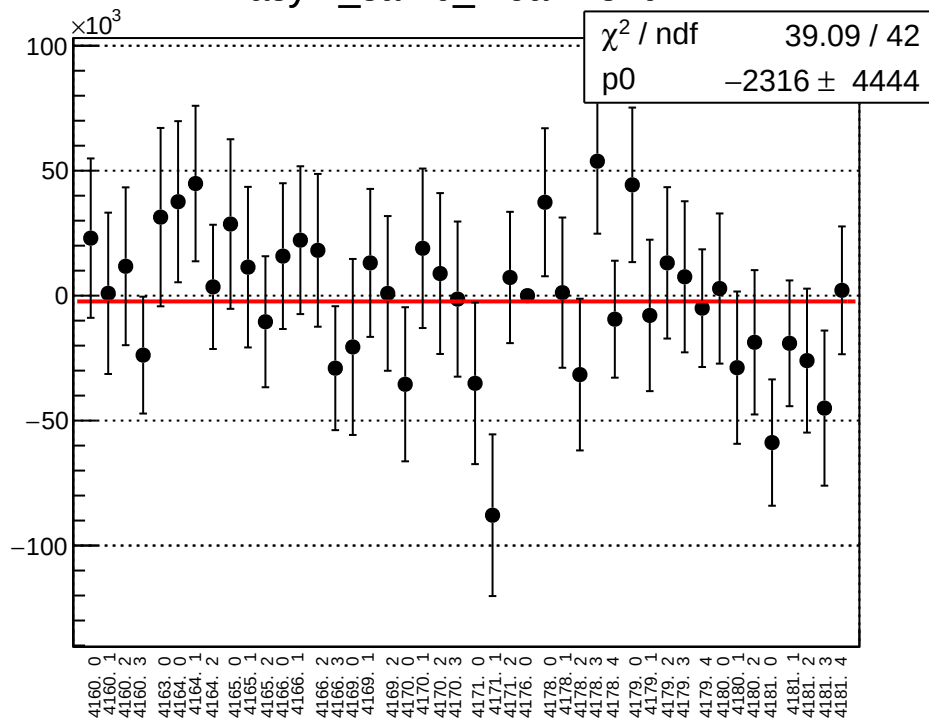
asym\_sam5\_mean vs run



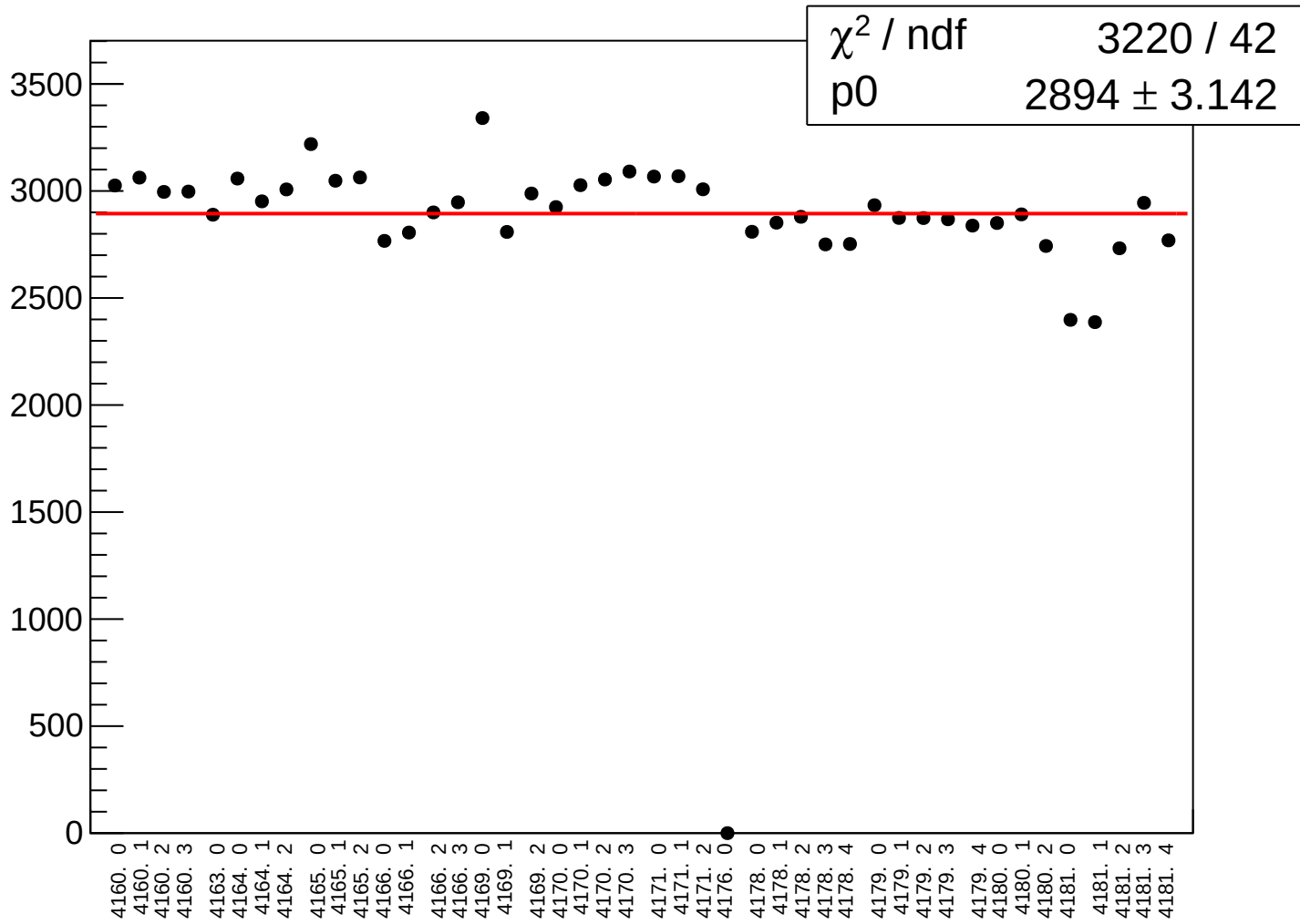
# asym\_sam5\_rms vs run



asym\_sam6\_mean vs run

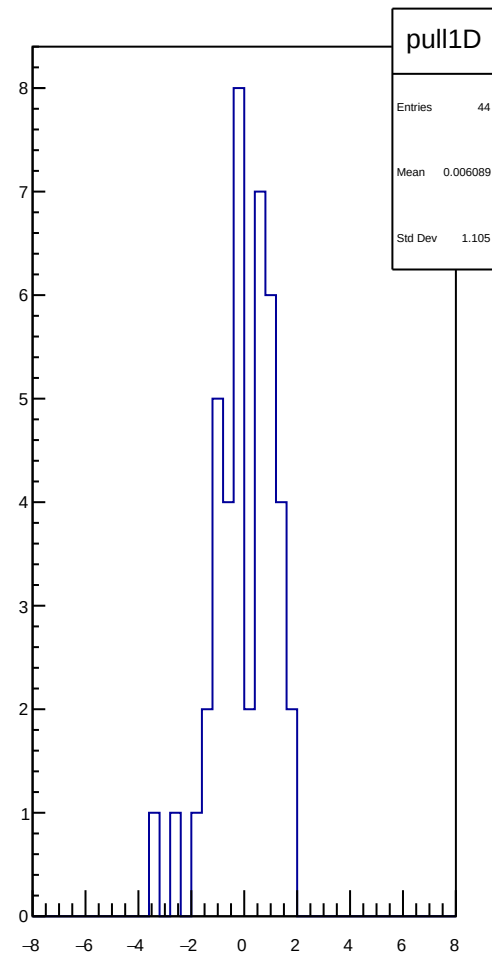
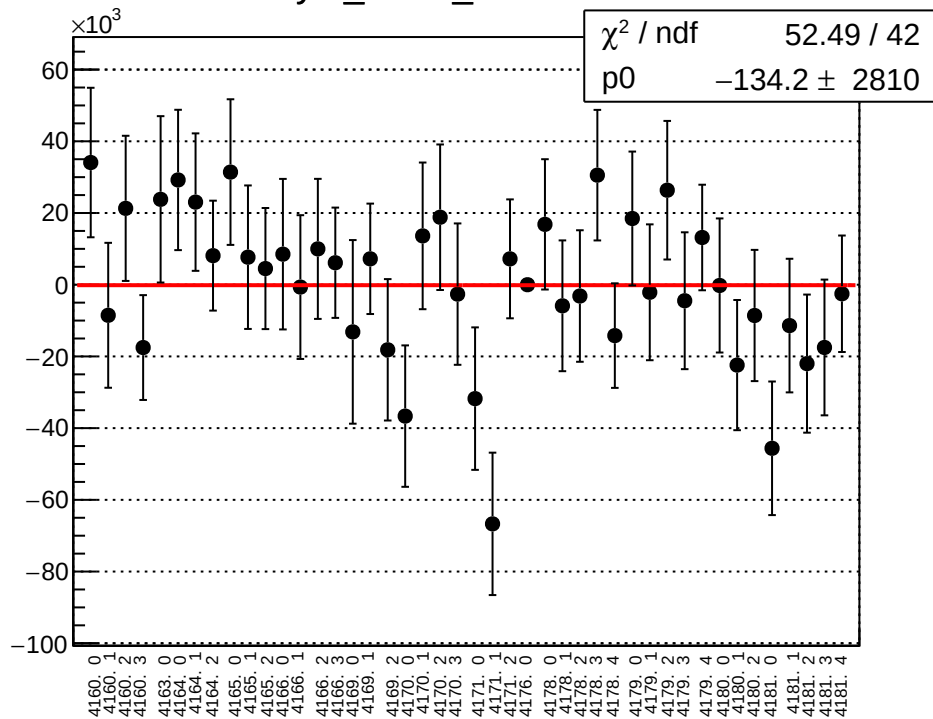


asym\_sam6\_rms vs run

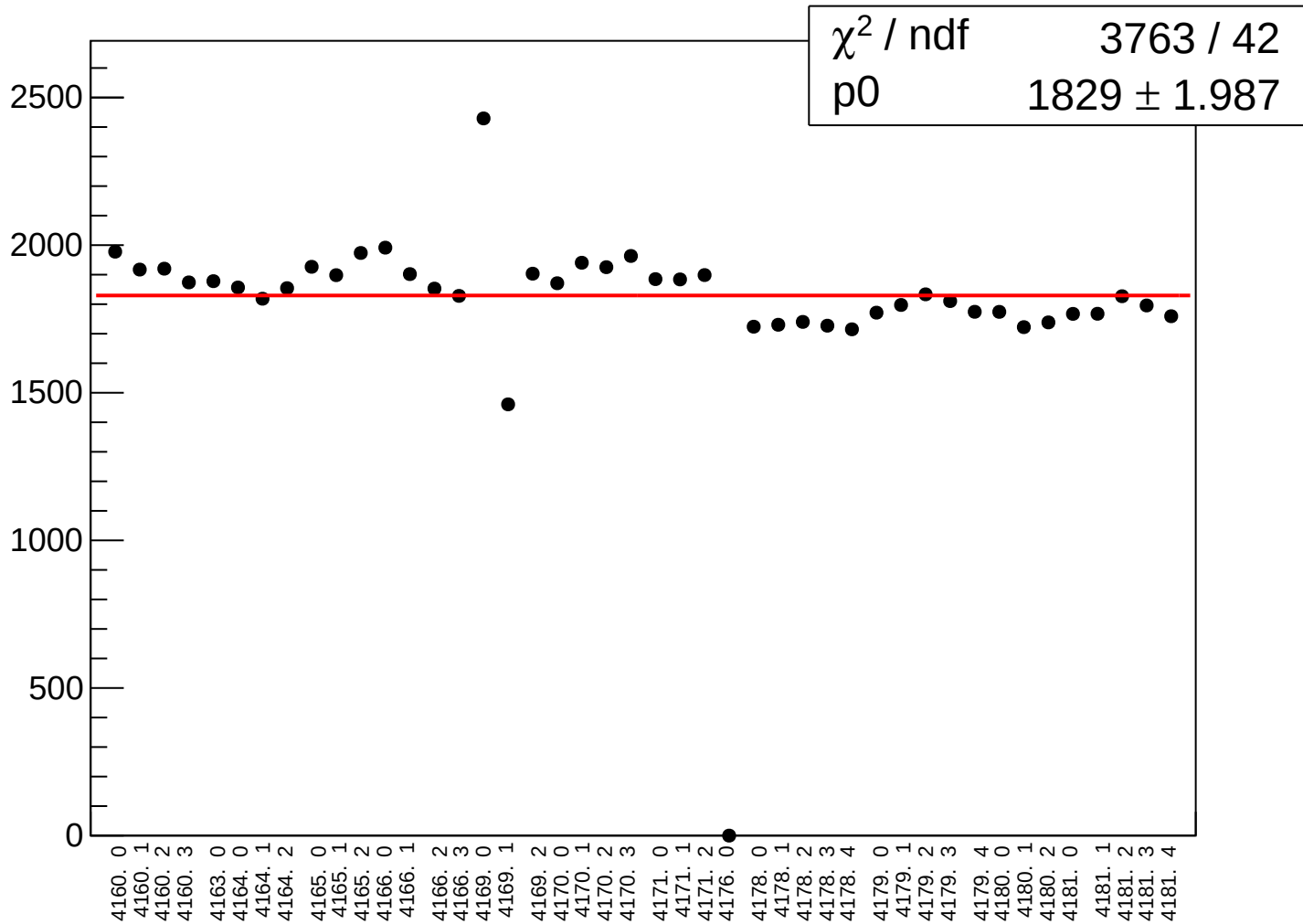




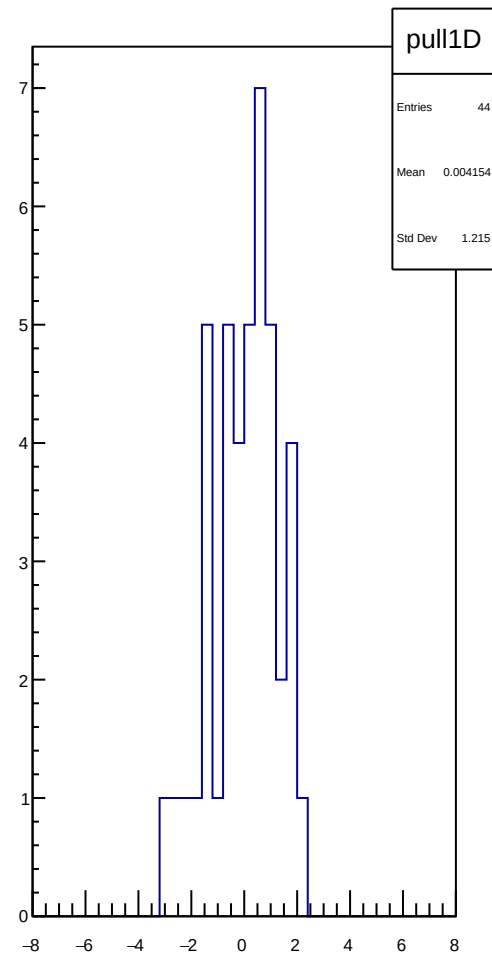
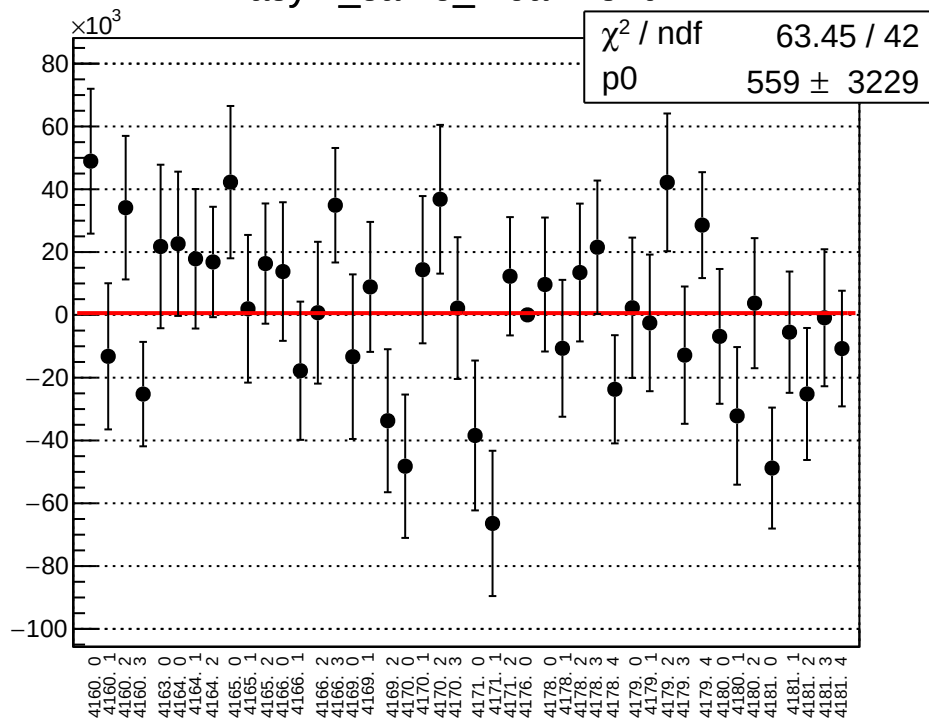
asym\_sam7\_mean vs run



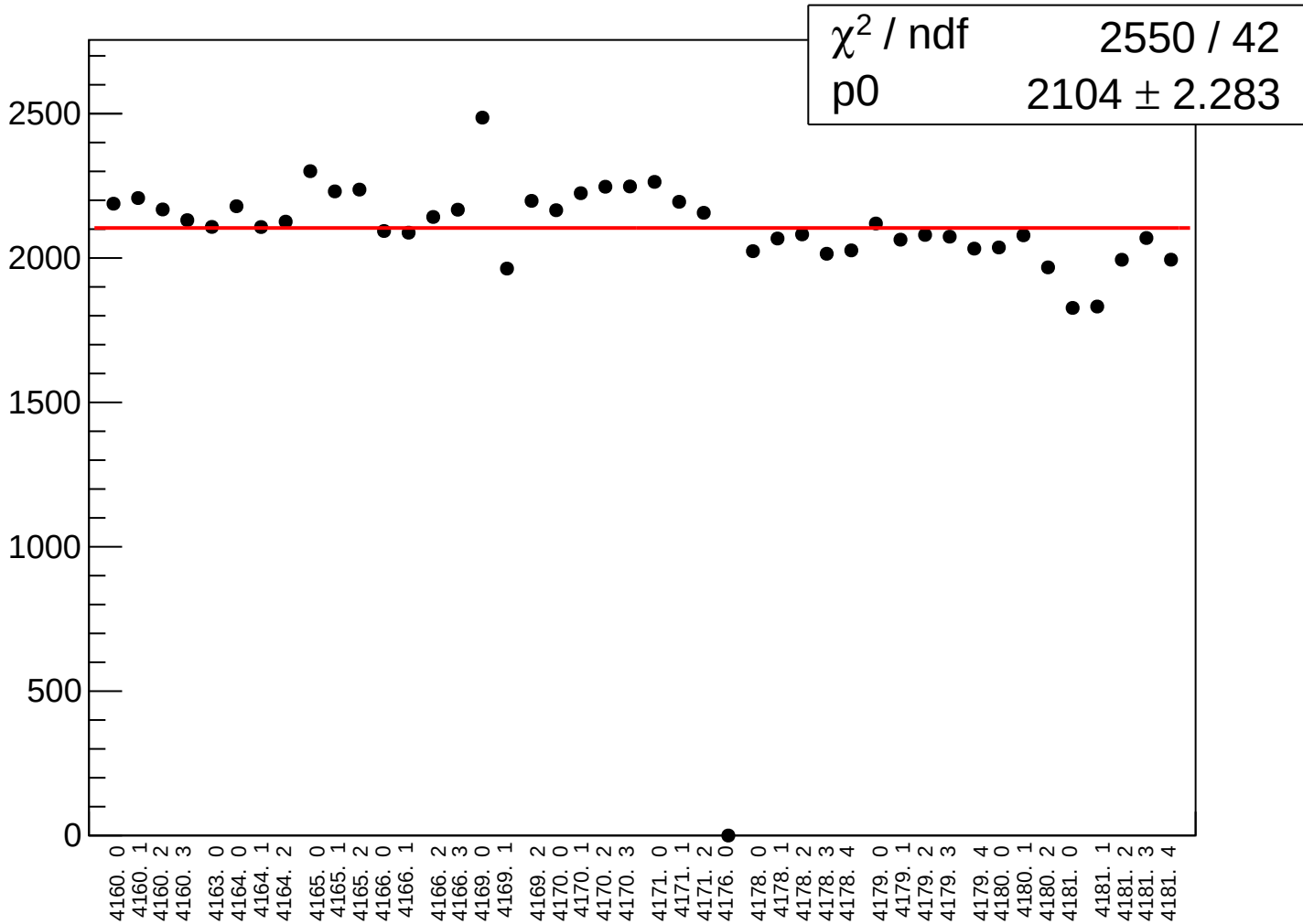
# asym\_sam7\_rms vs run



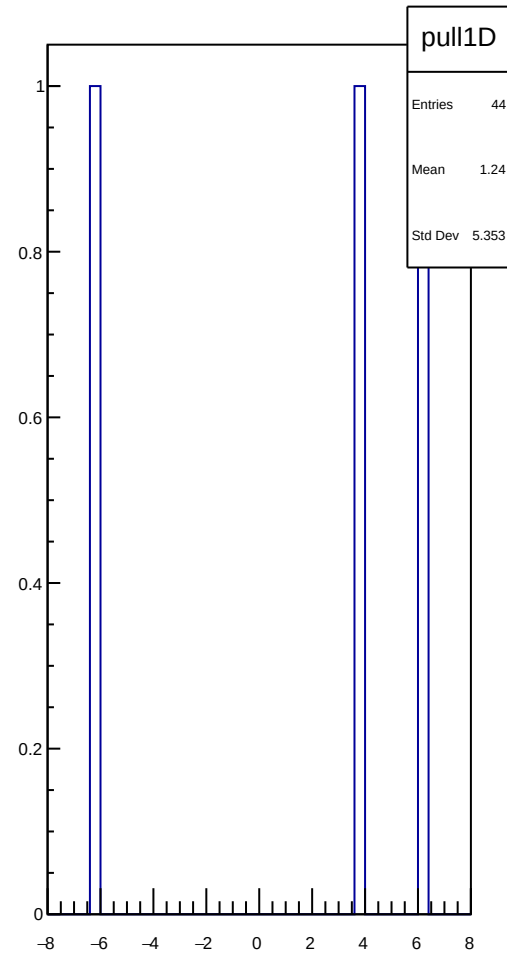
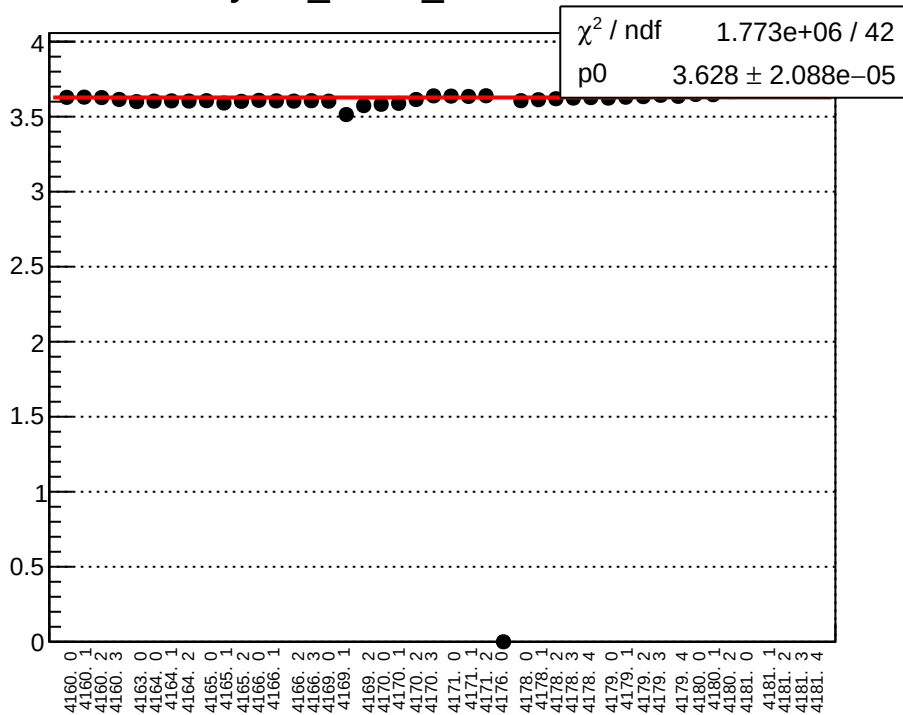
# asym\_sam8\_mean vs run



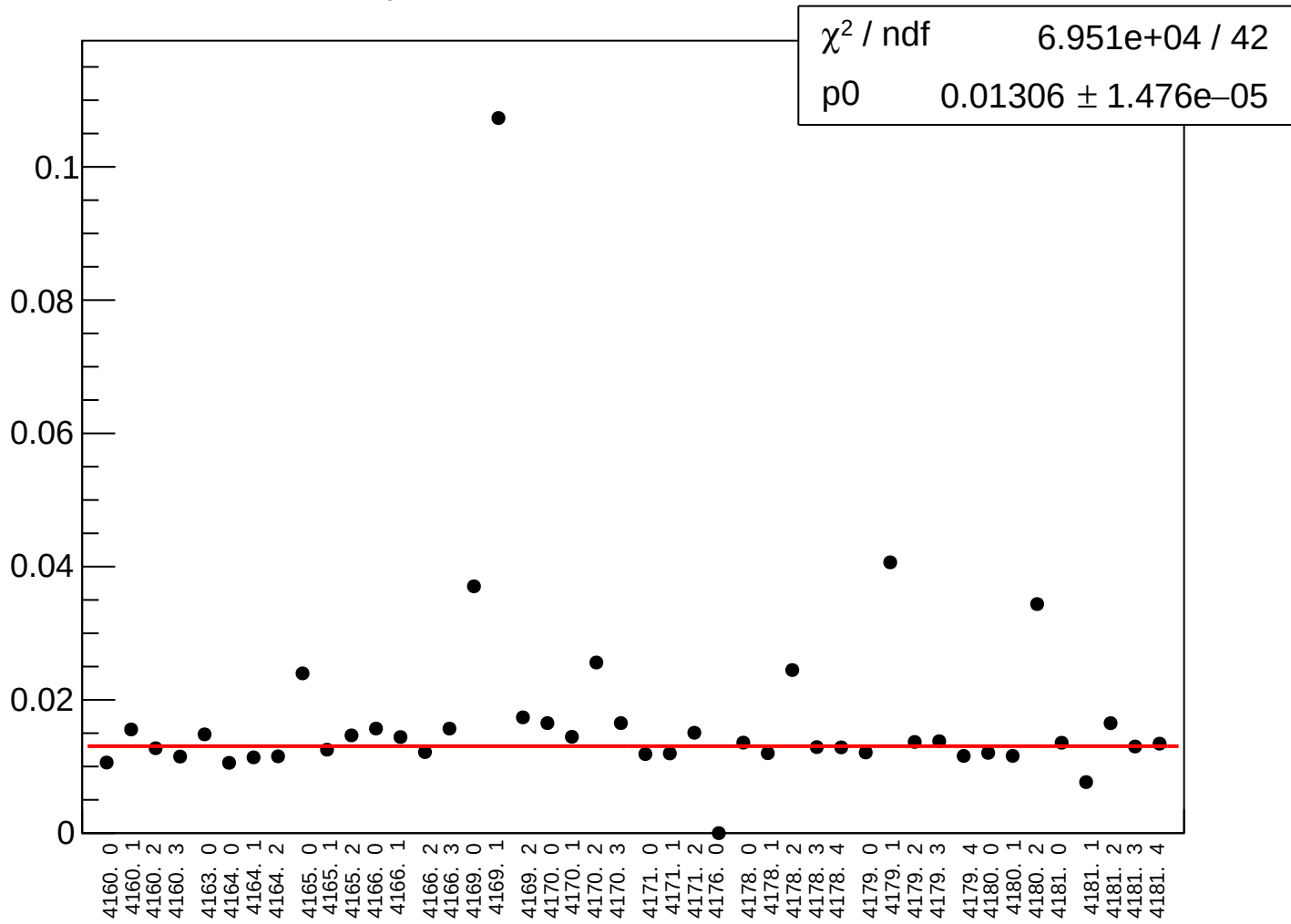
# asym\_sam8\_rms vs run



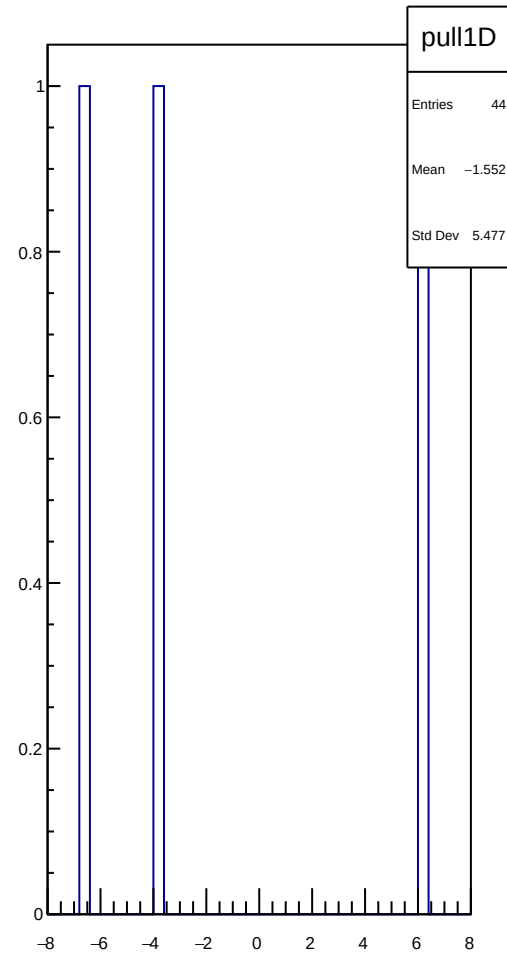
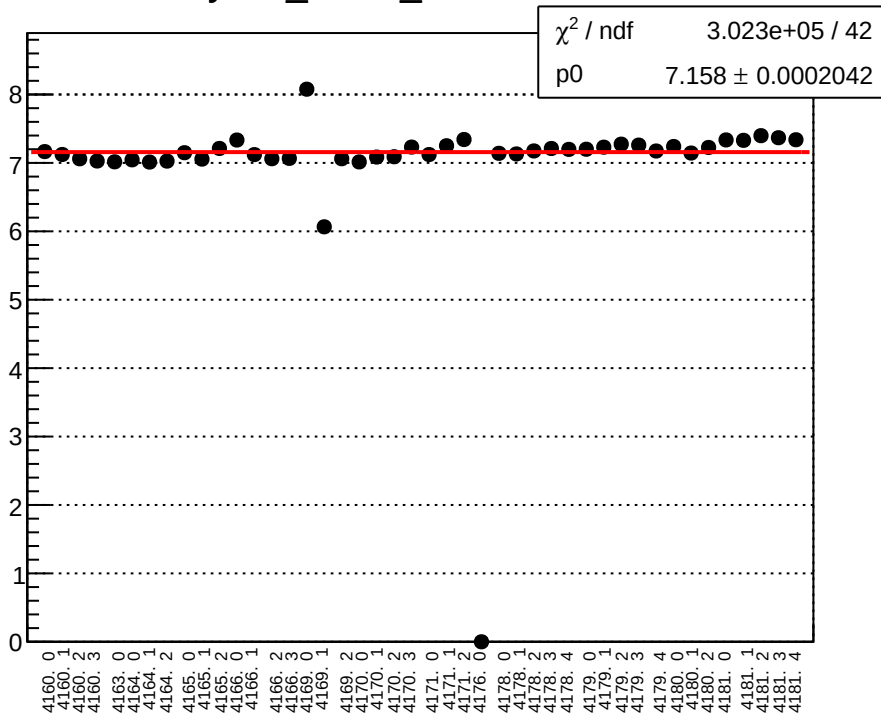
# yield\_sam1\_mean vs run



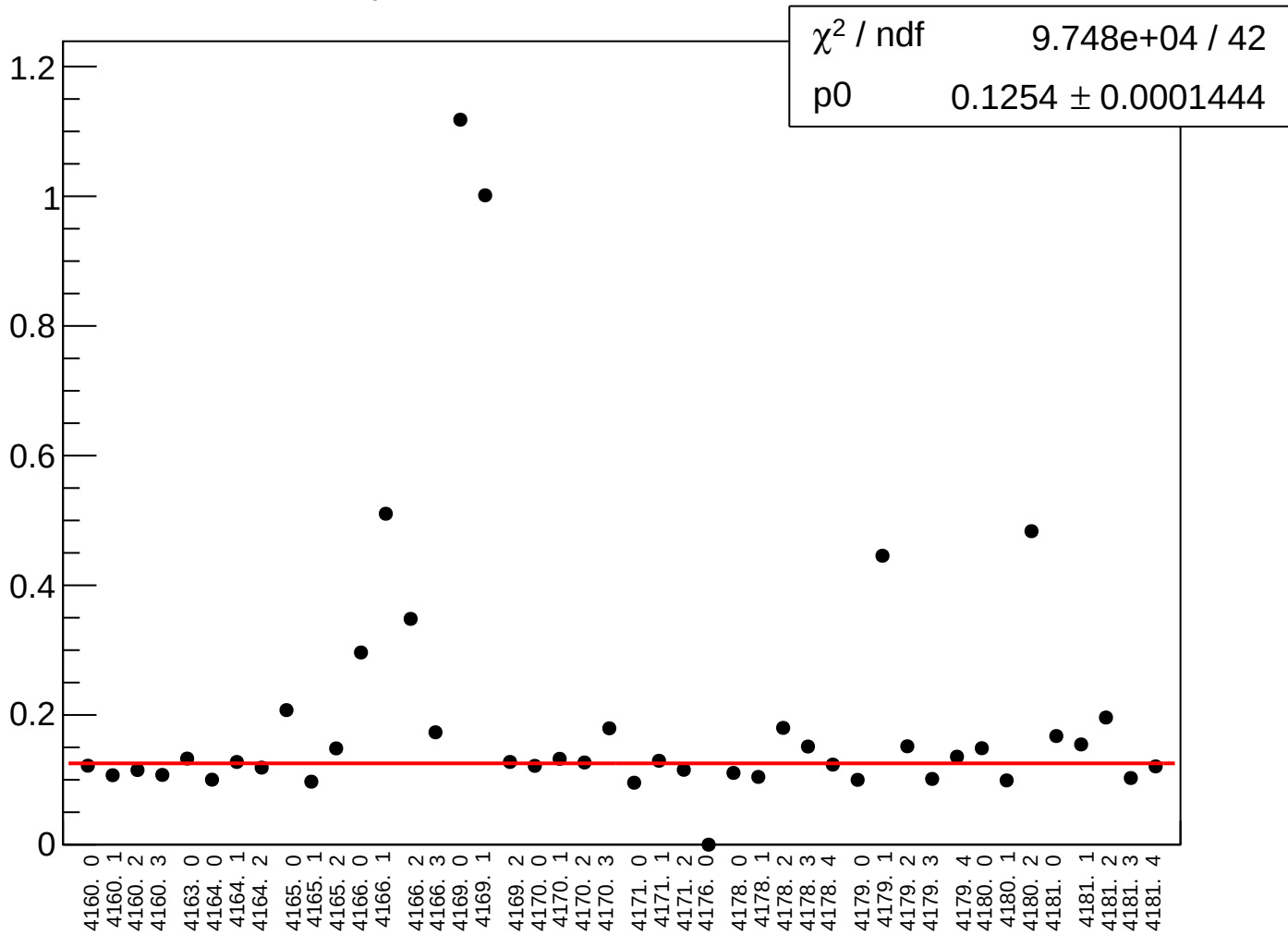
# yield\_sam1\_rms vs run



# yield\_sam2\_mean vs run

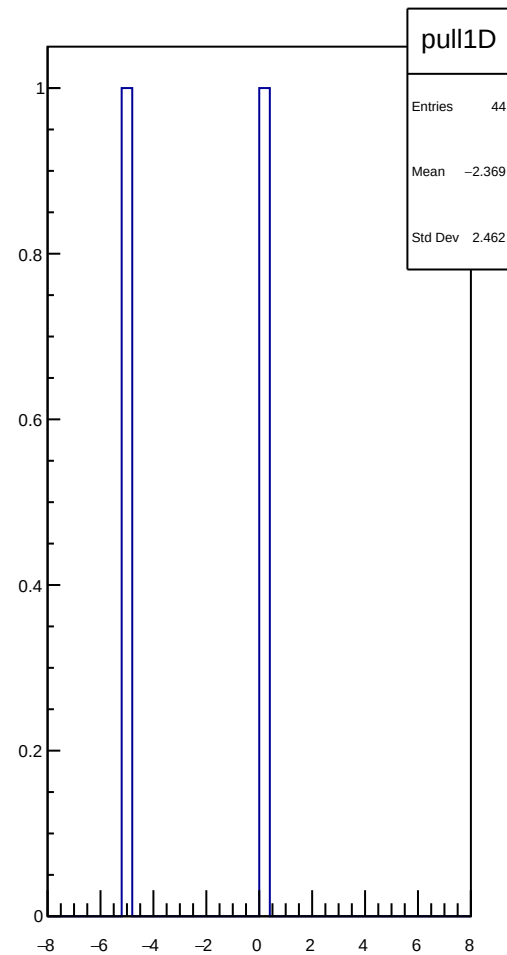
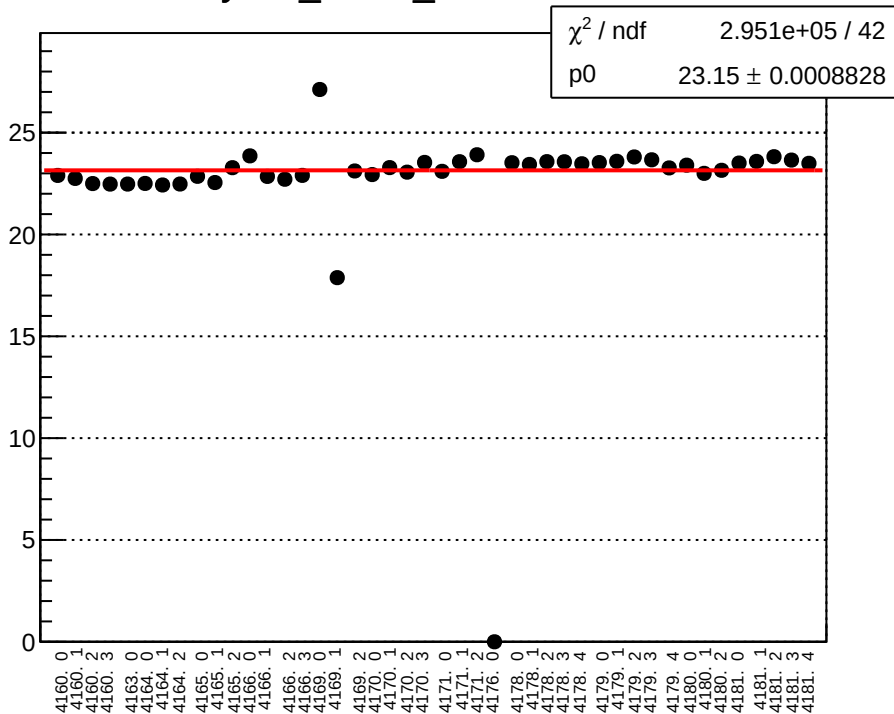


# yield\_sam2\_rms vs run

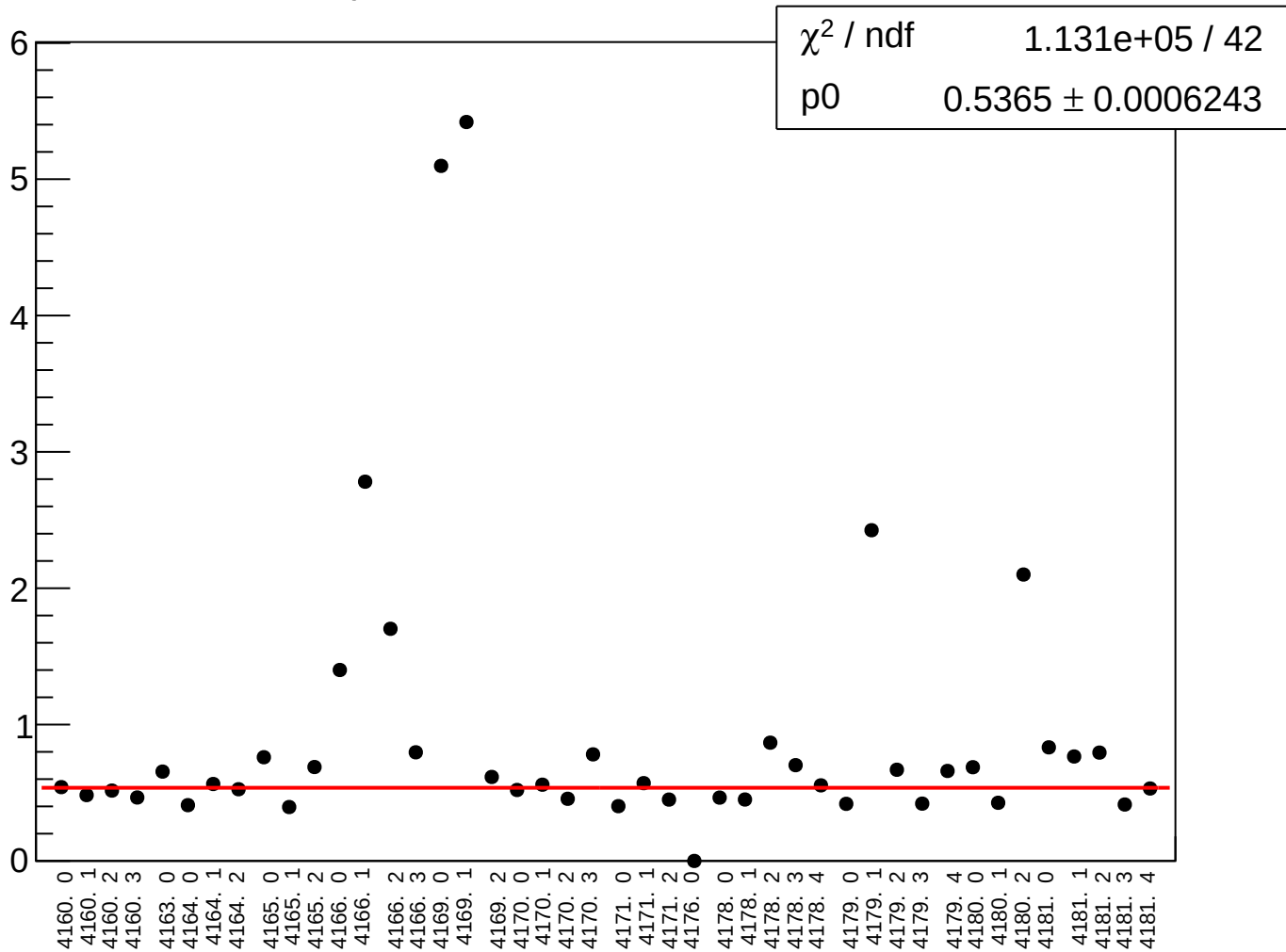




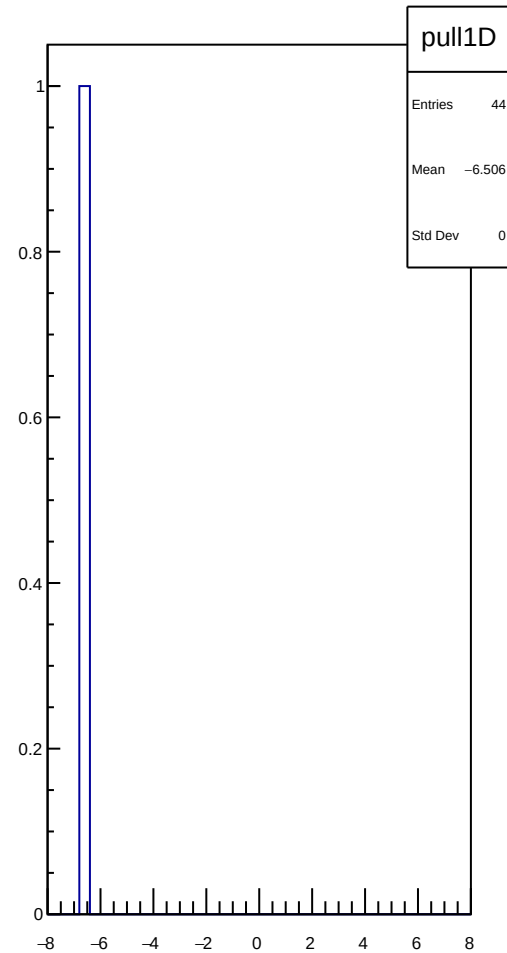
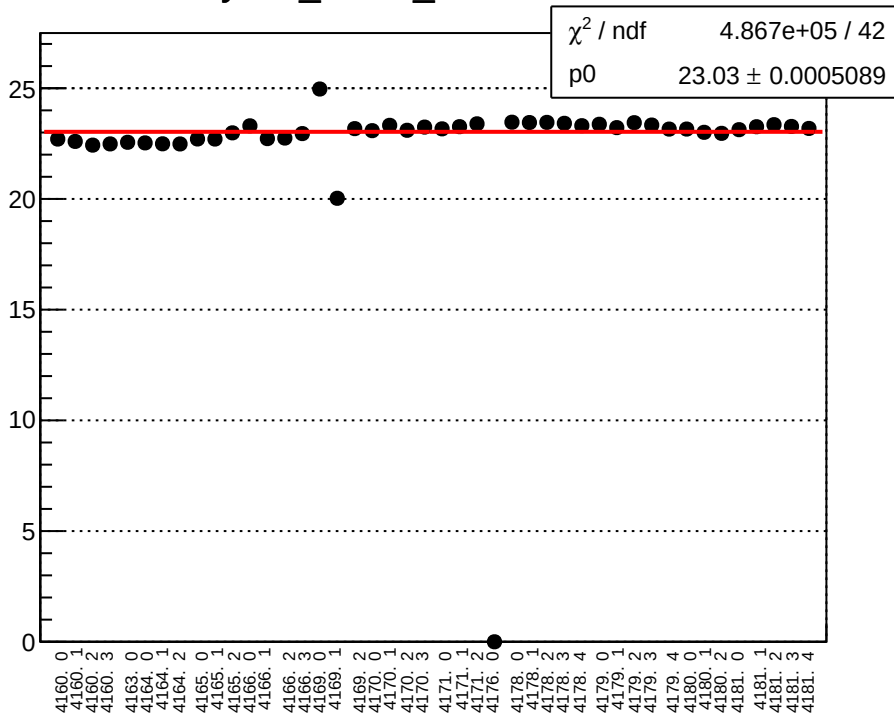
# yield\_sam3\_mean vs run



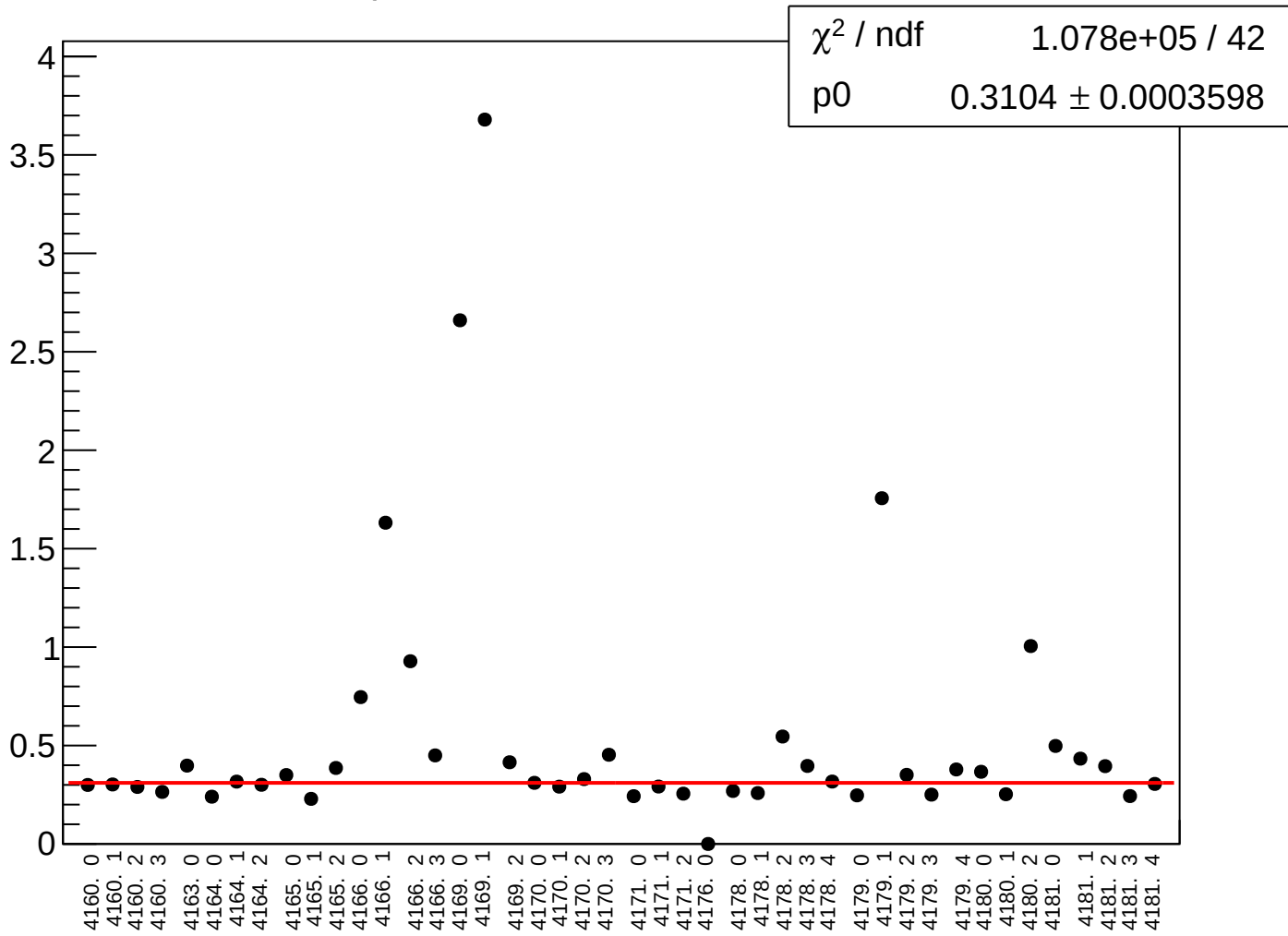
# yield\_sam3\_rms vs run



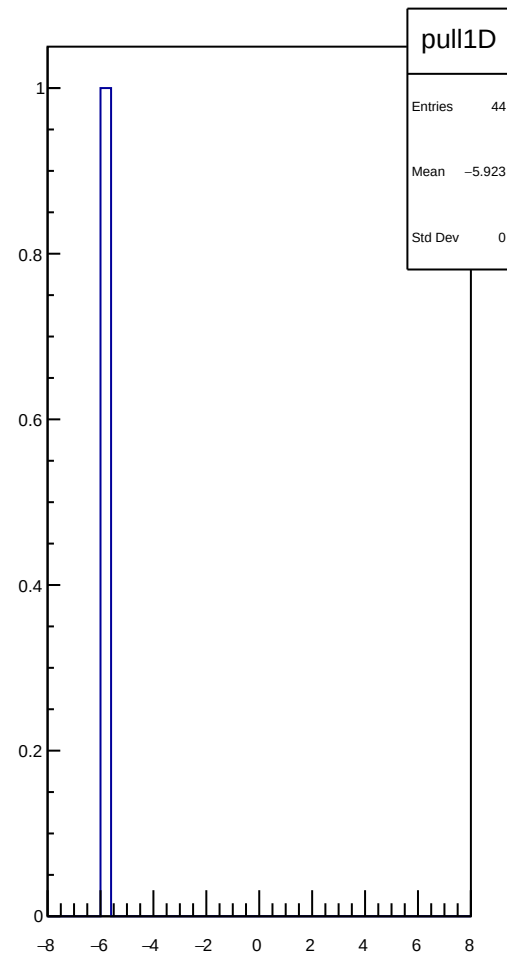
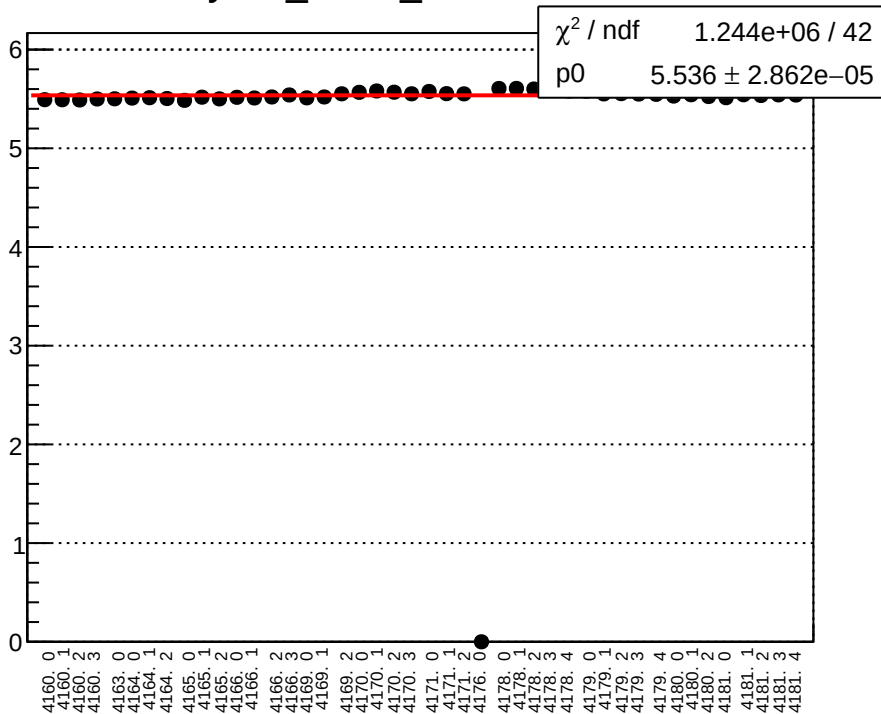
# yield\_sam4\_mean vs run



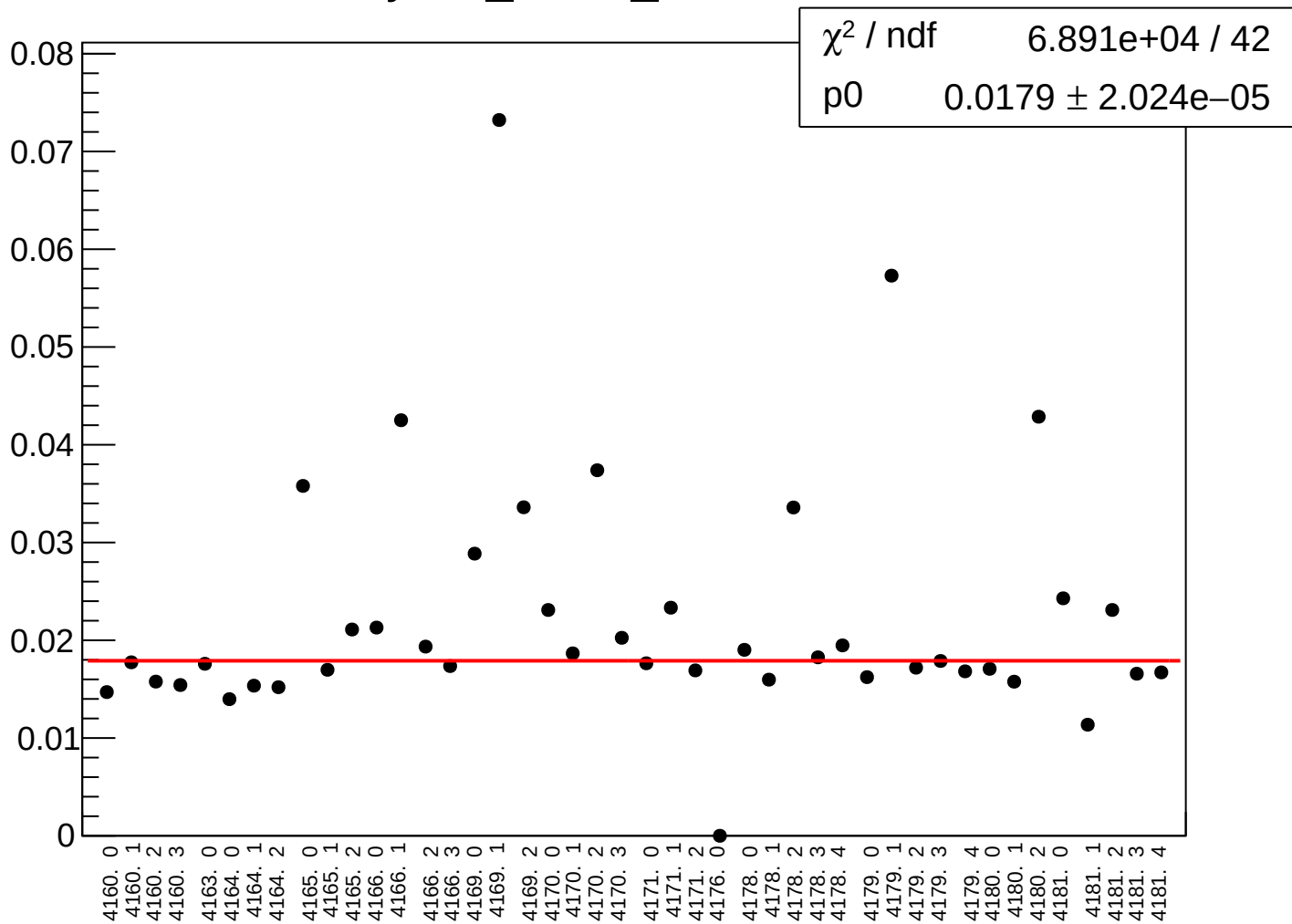
# yield\_sam4\_rms vs run



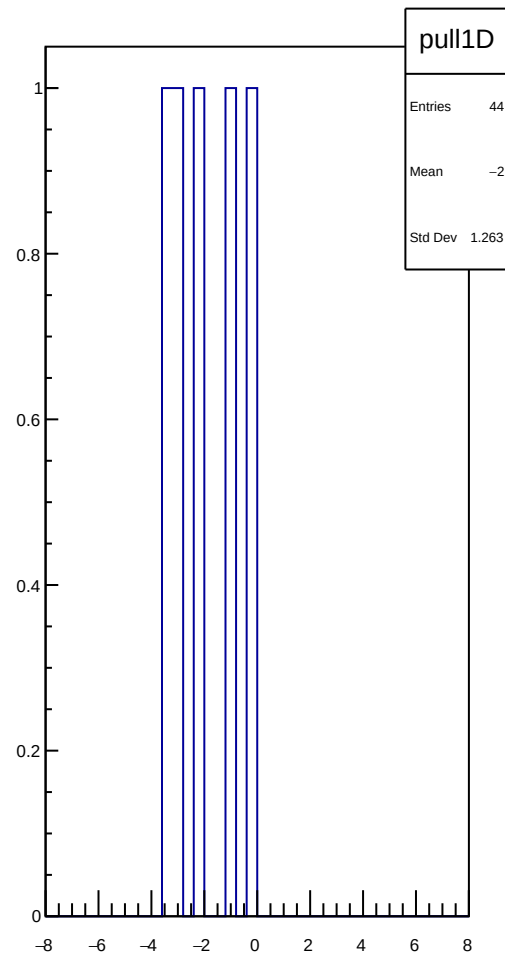
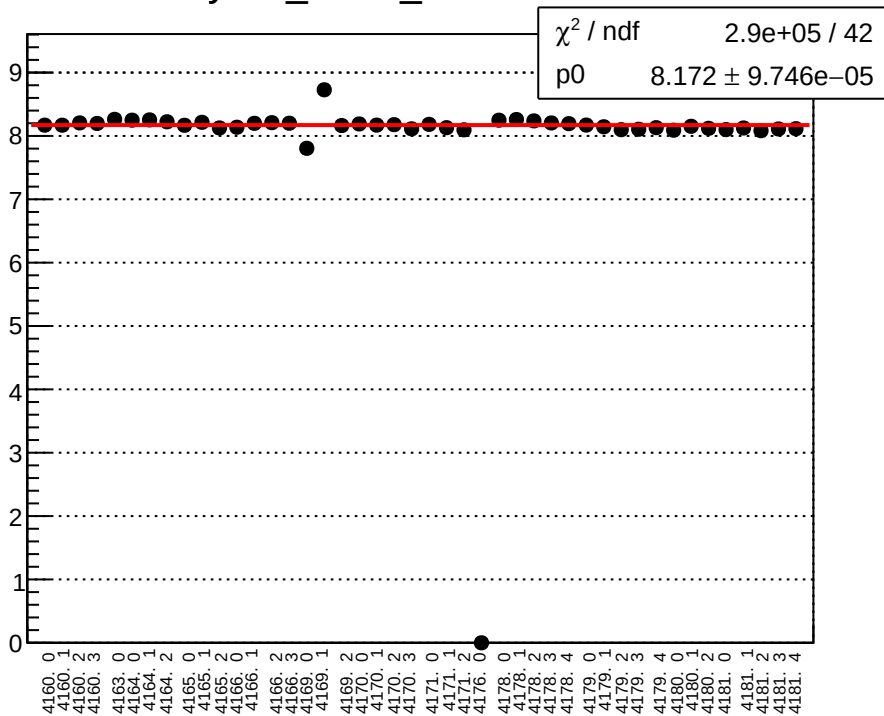
# yield\_sam5\_mean vs run



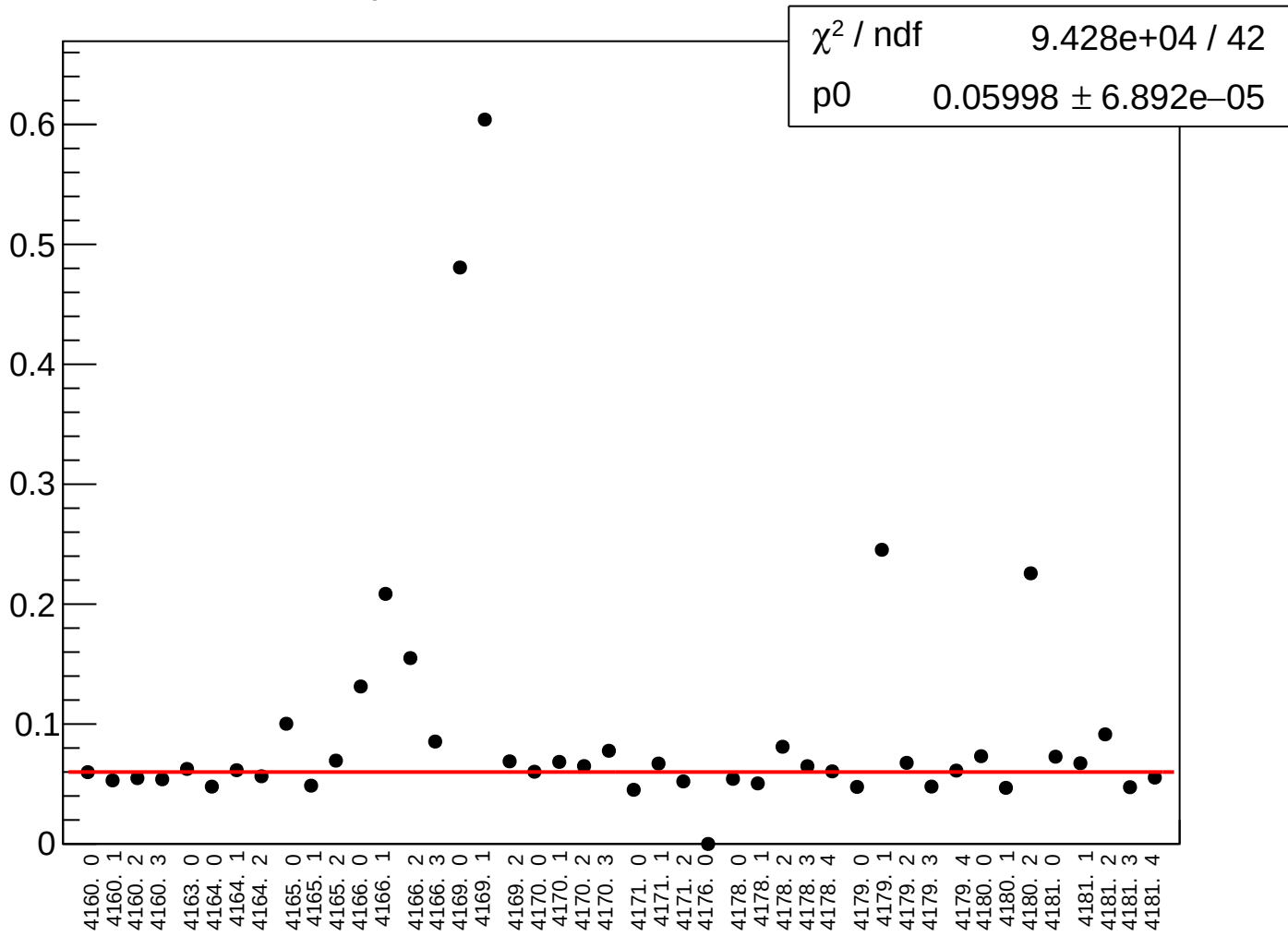
# yield\_sam5\_rms vs run



# yield\_sam6\_mean vs run

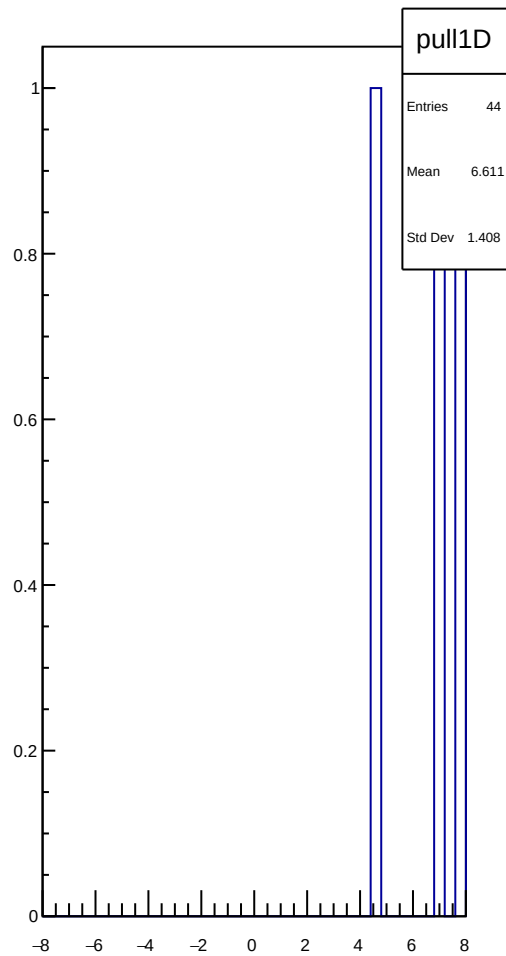
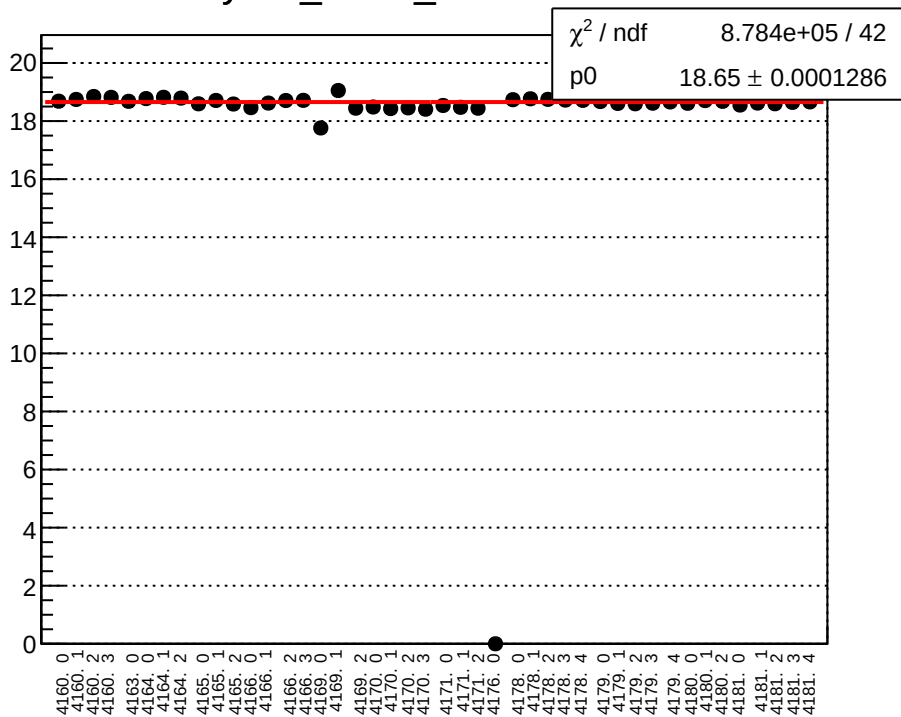


# yield\_sam6\_rms vs run

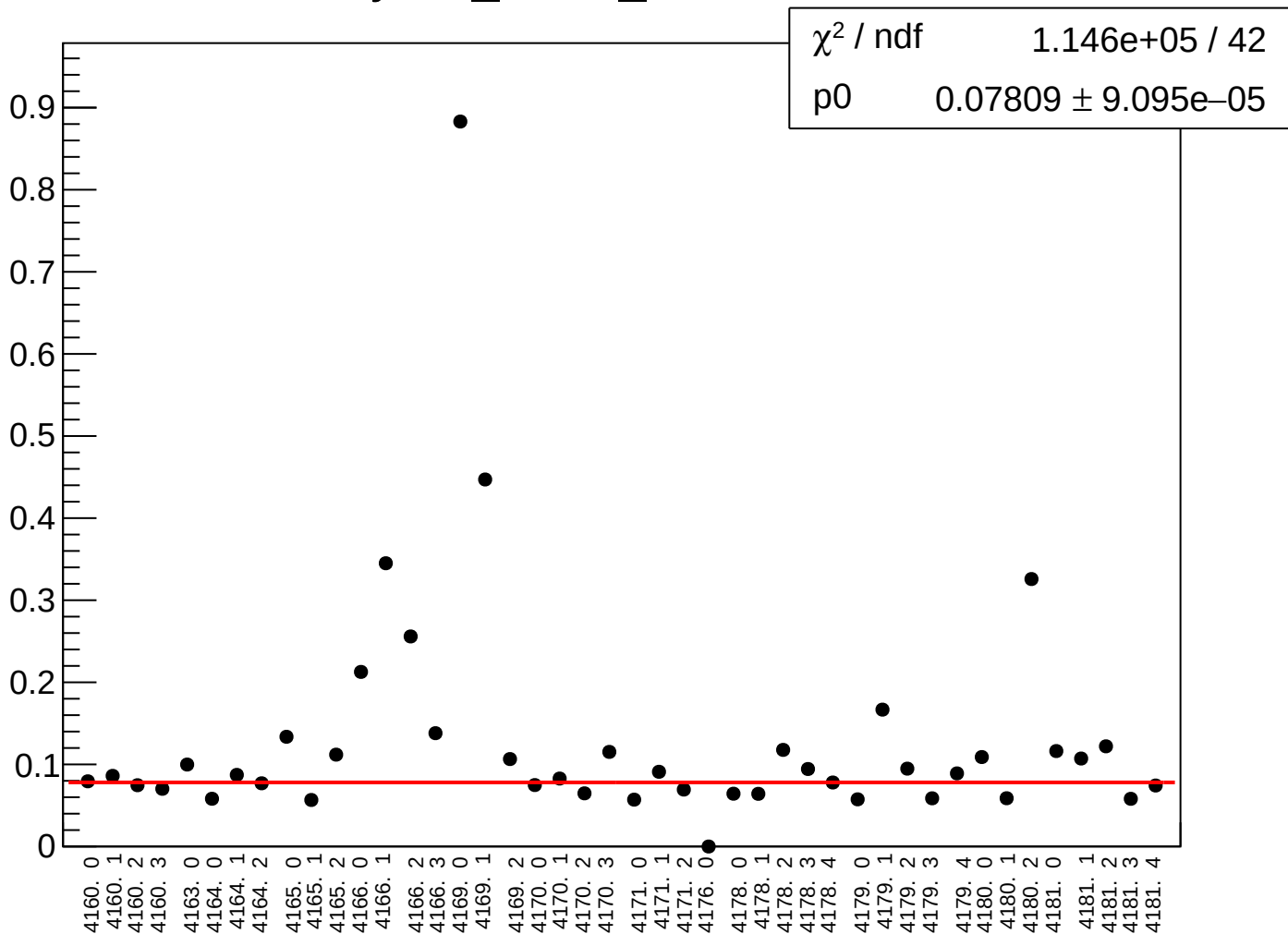




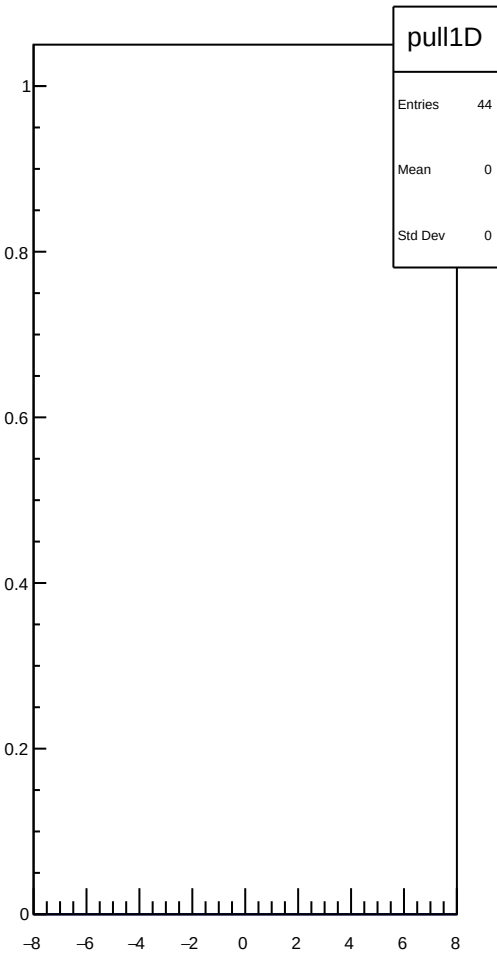
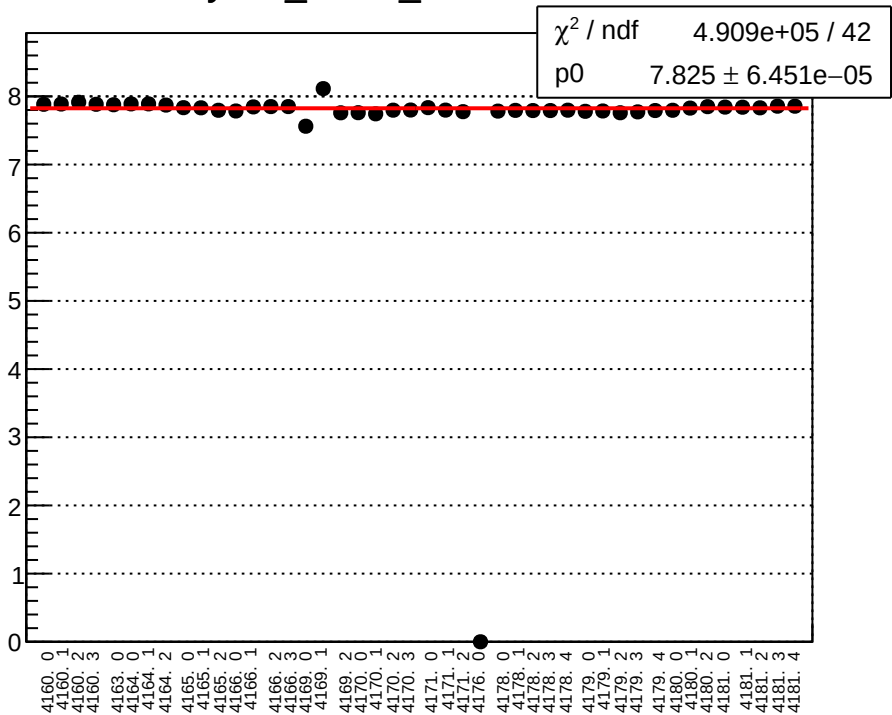
yield\_sam7\_mean vs run



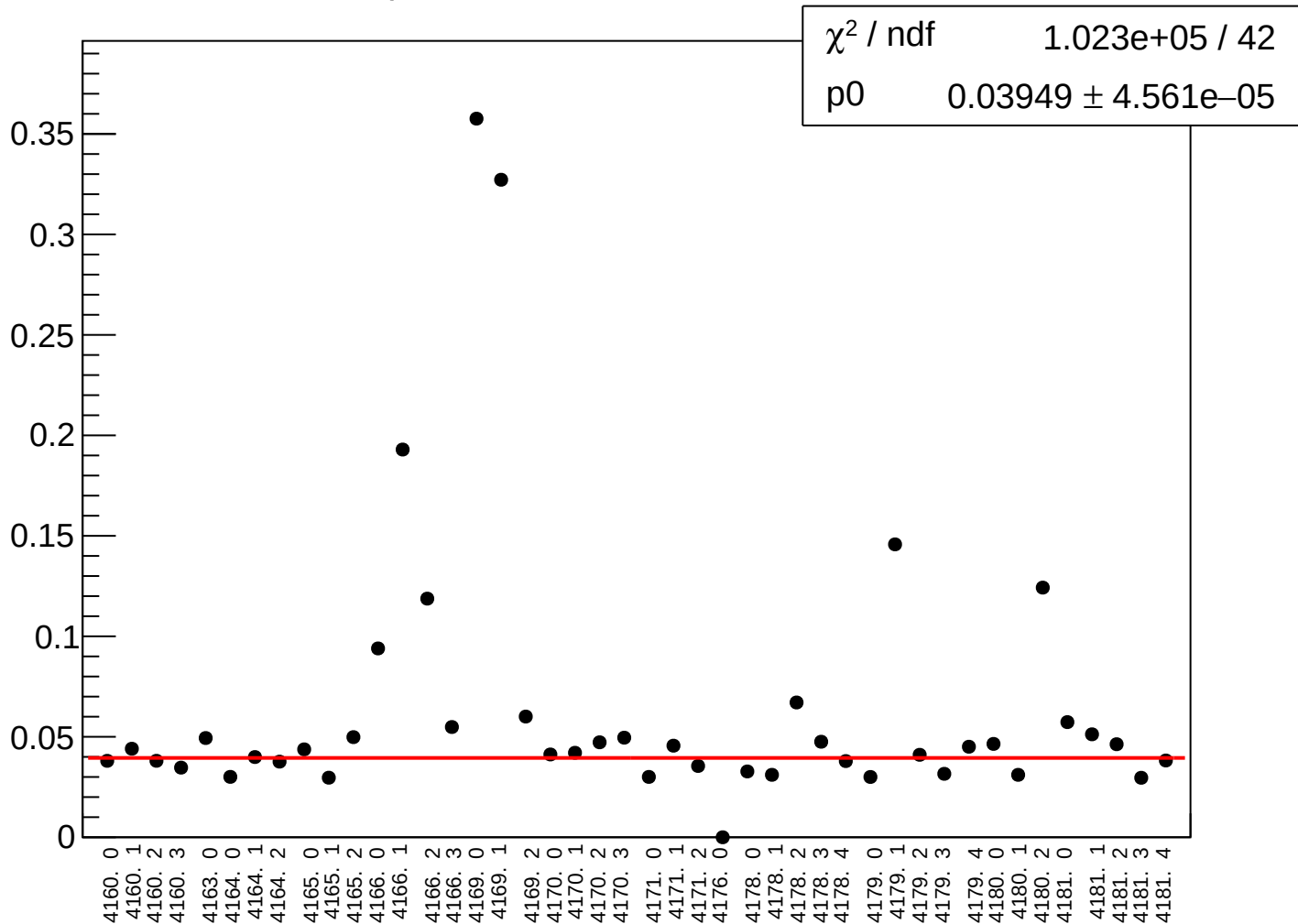
# yield\_sam7\_rms vs run



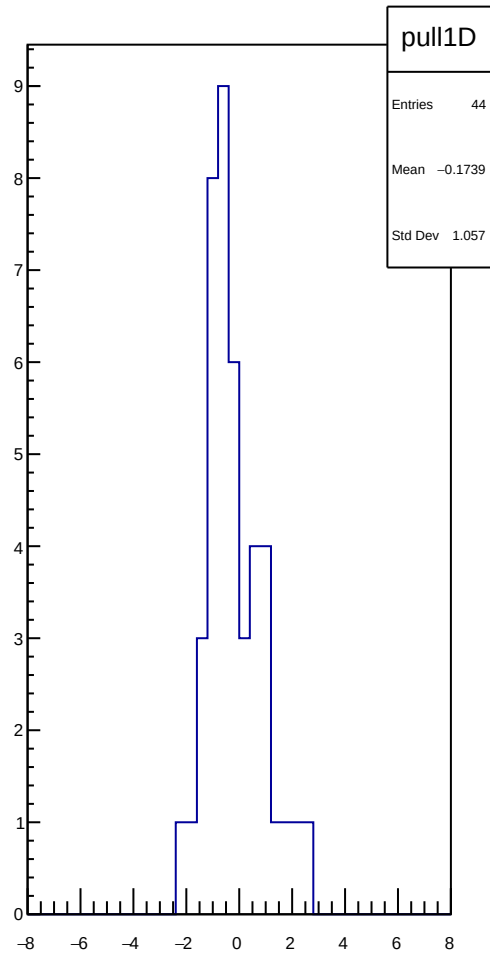
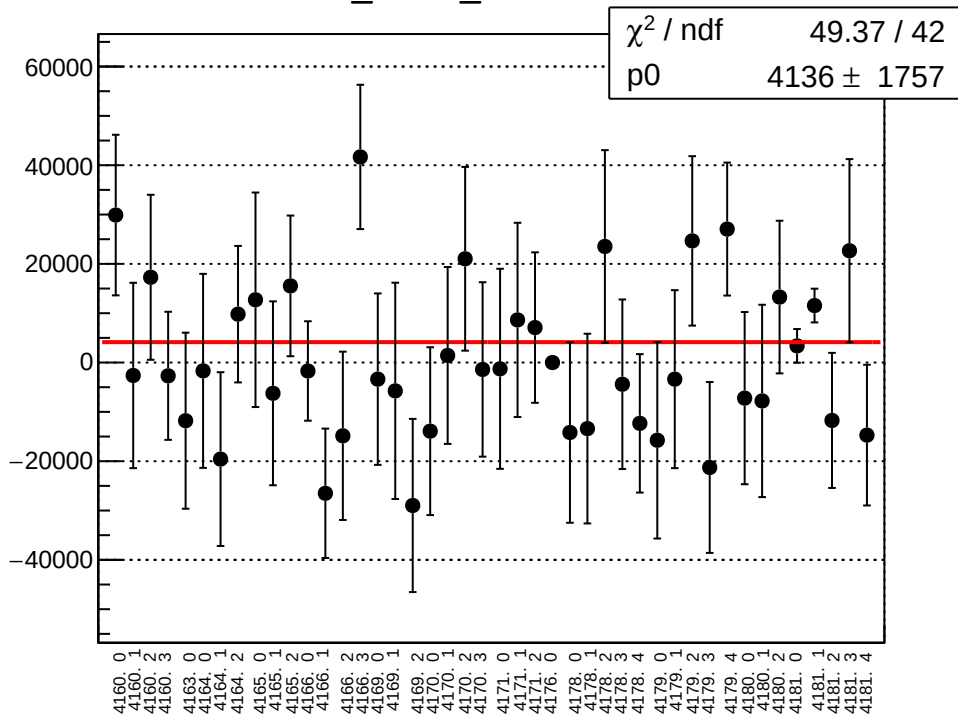
yield\_sam8\_mean vs run



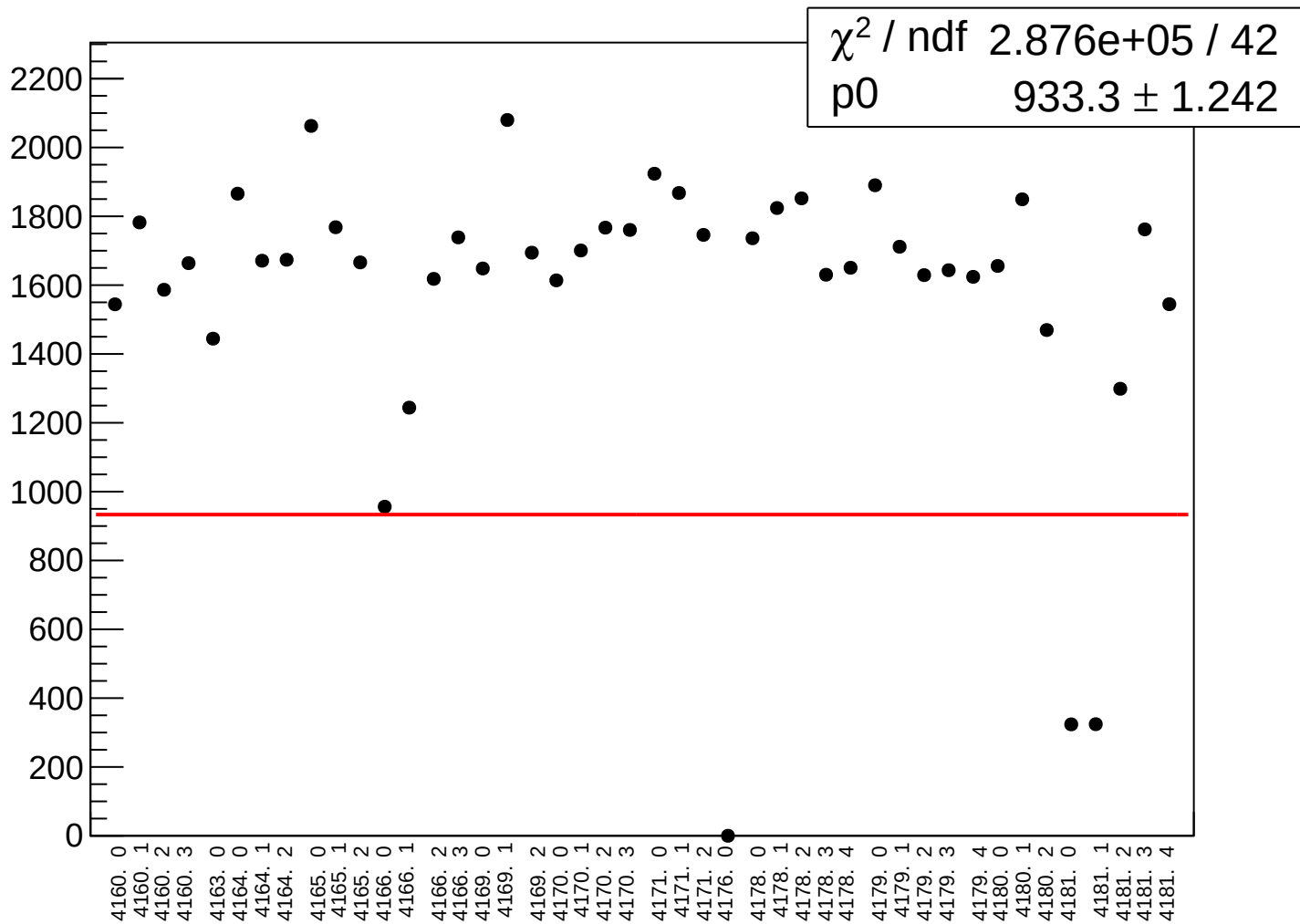
# yield\_sam8\_rms vs run



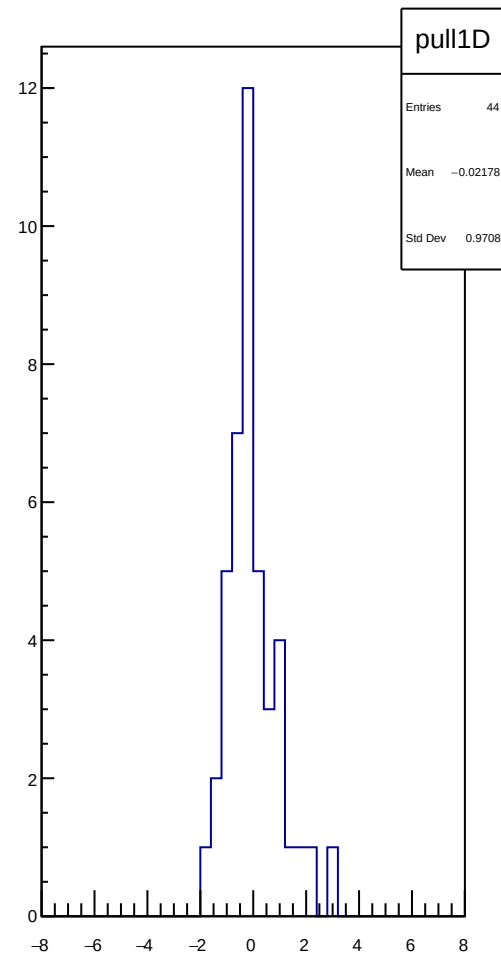
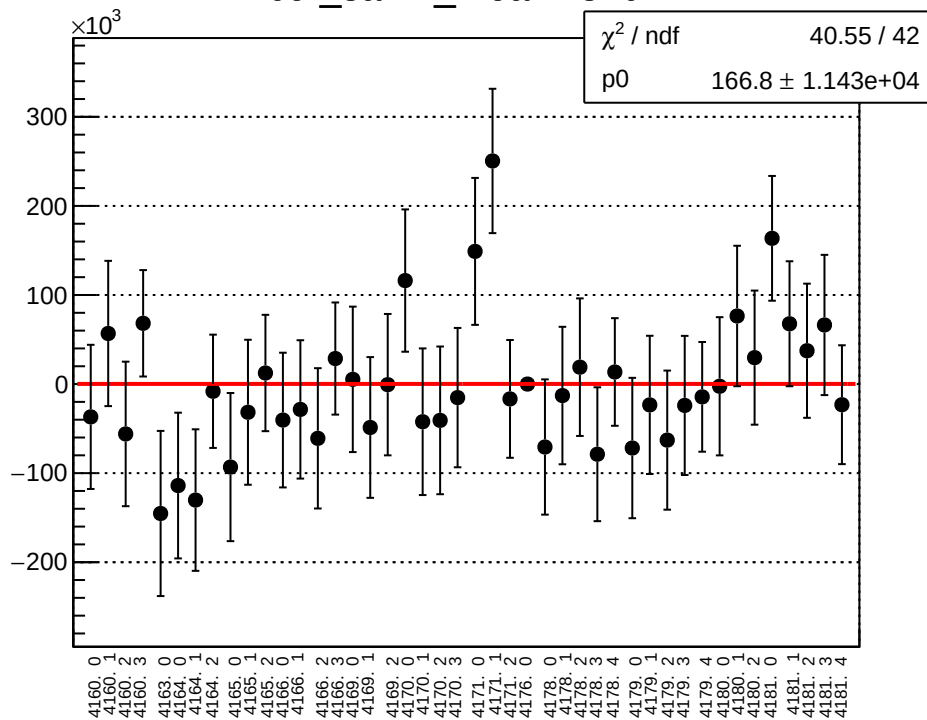
cor\_sam1\_mean vs run



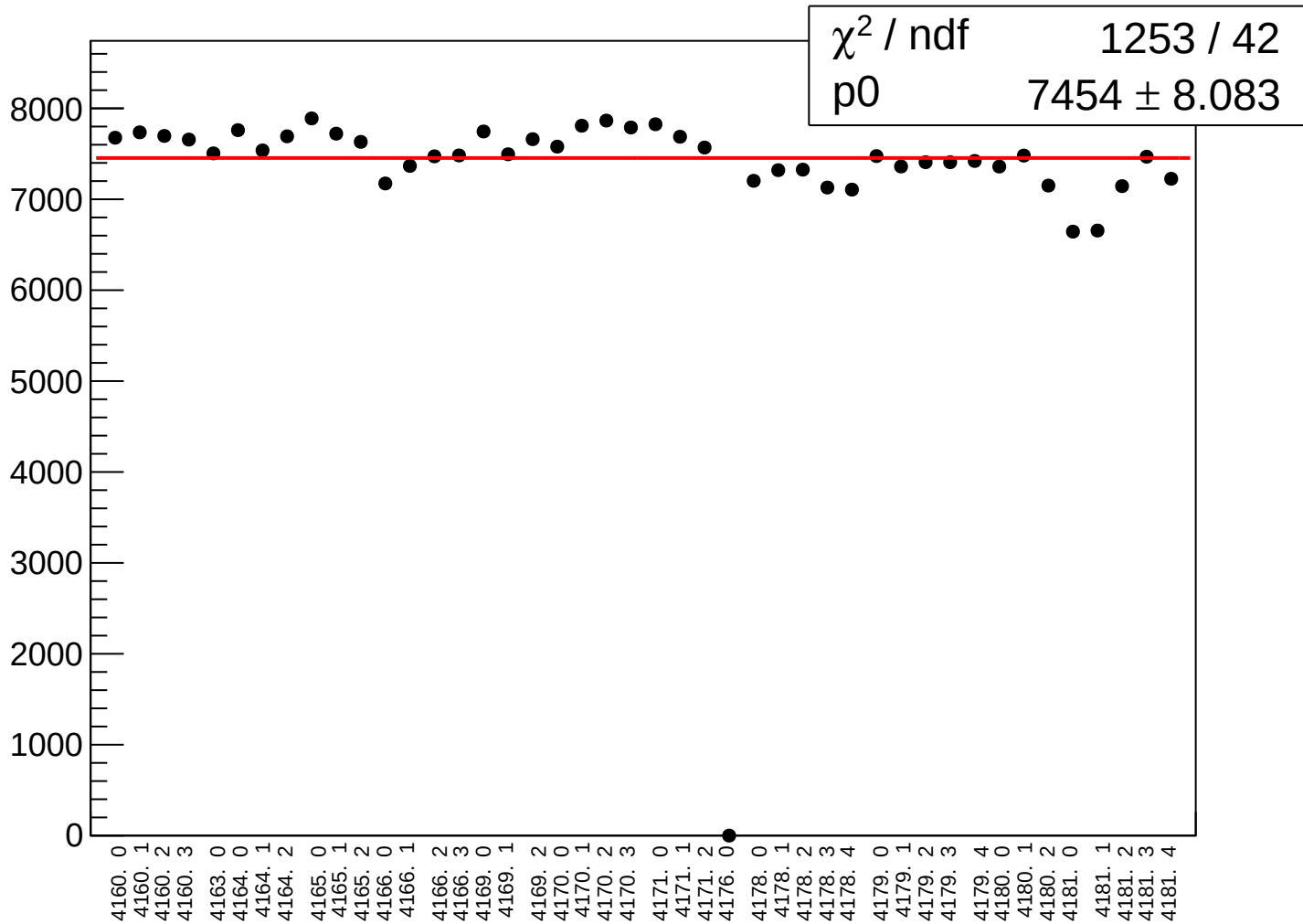
cor\_sam1\_rms vs run



# cor\_sam2\_mean vs run

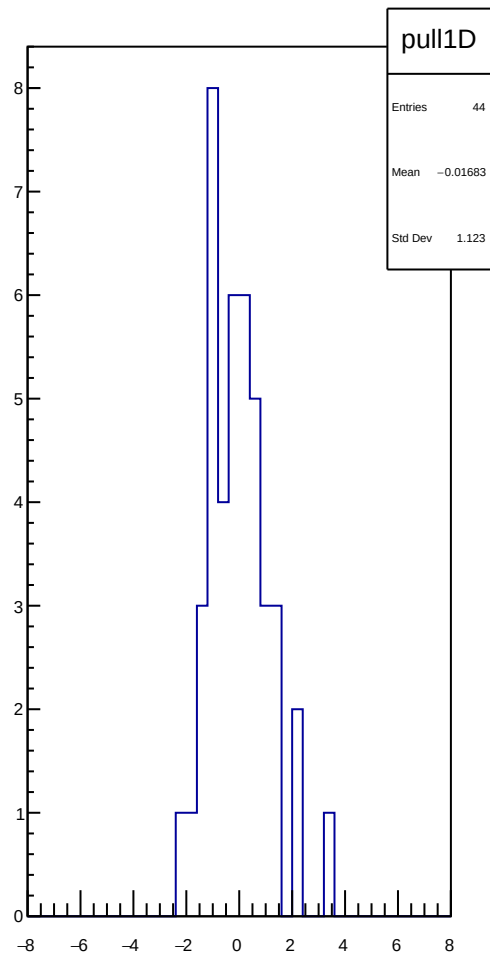
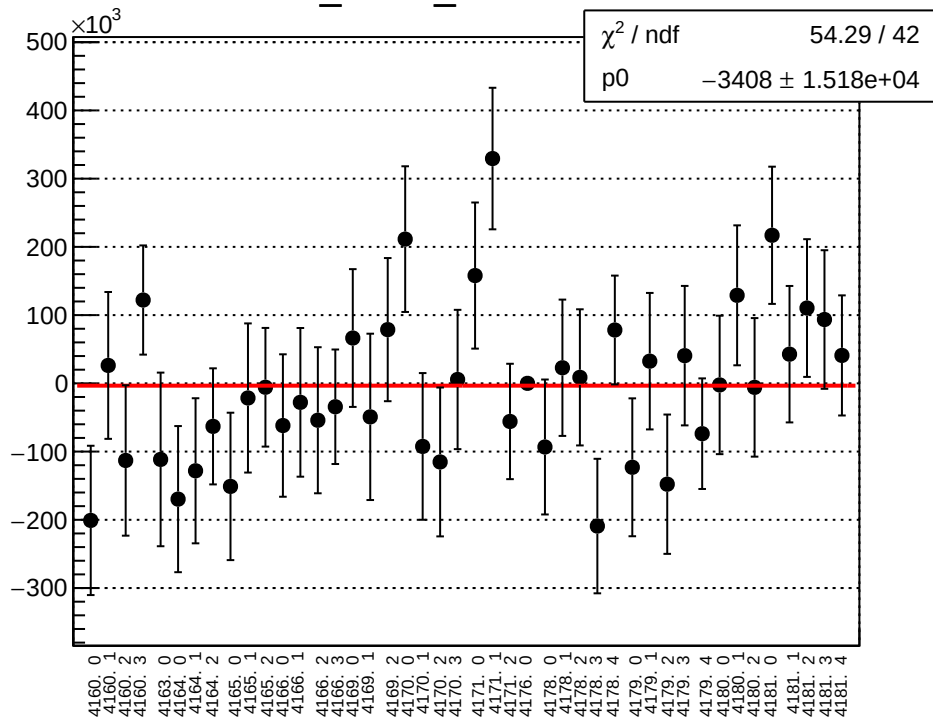


# cor\_sam2\_rms vs run

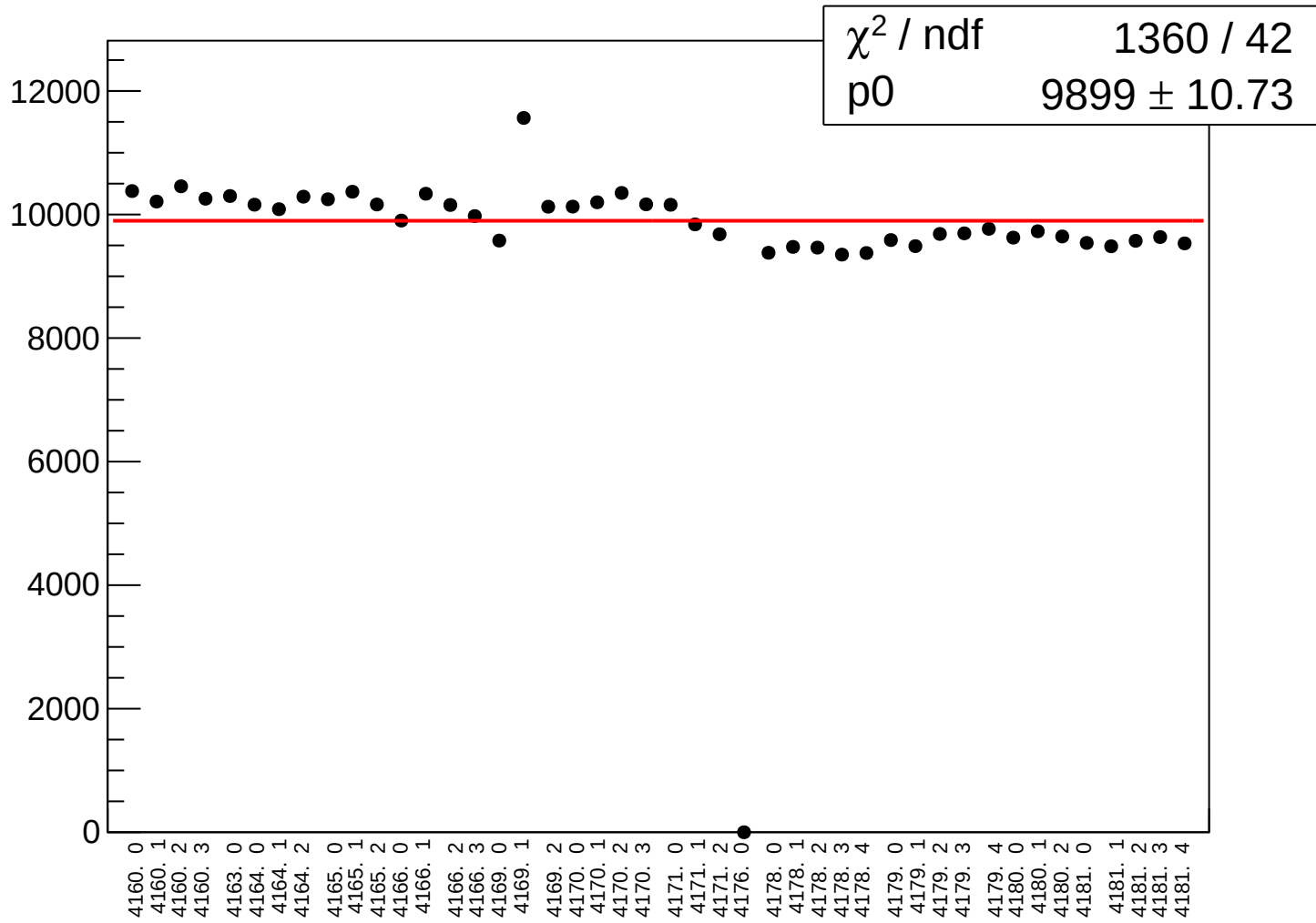




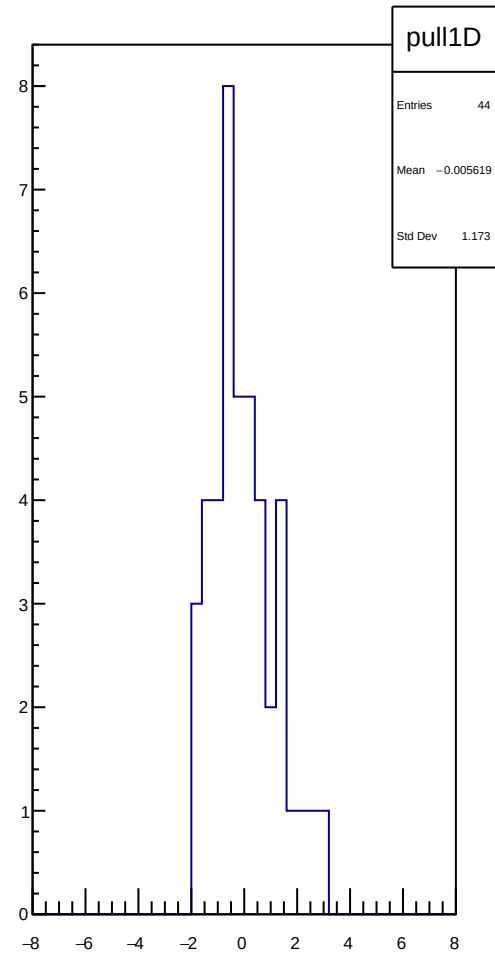
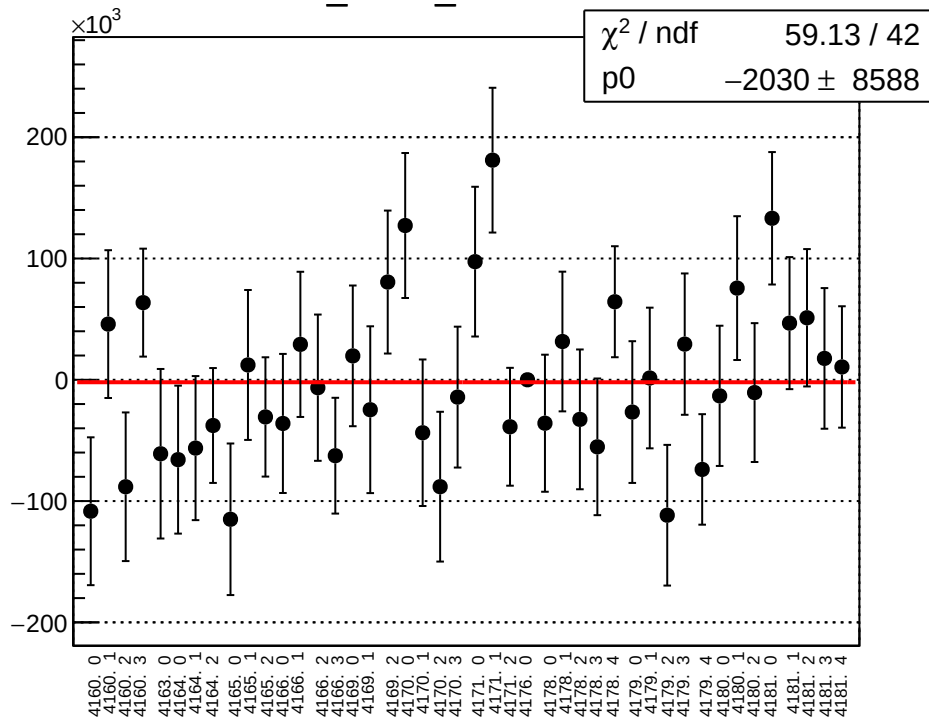
cor\_sam3\_mean vs run



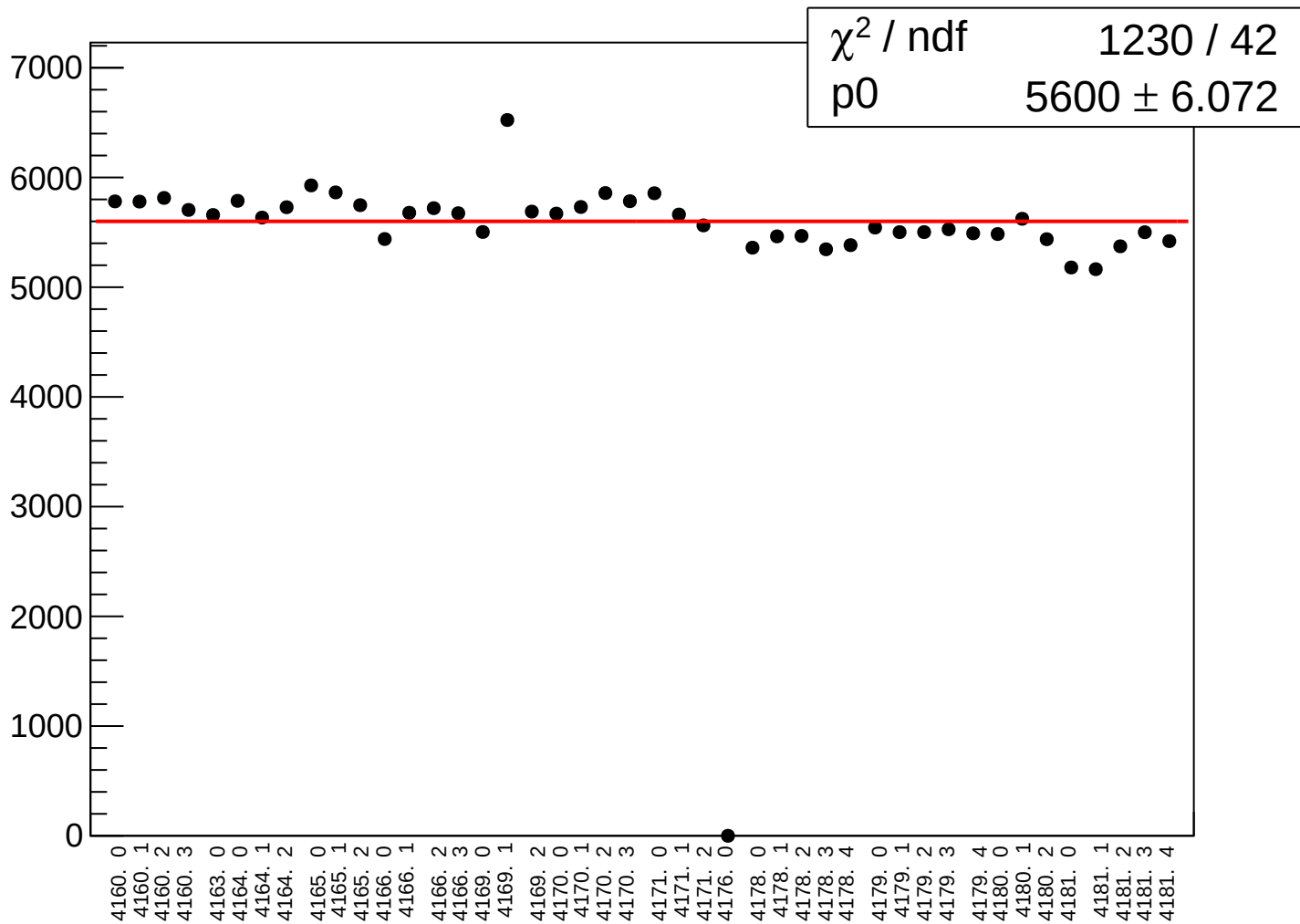
cor\_sam3\_rms vs run



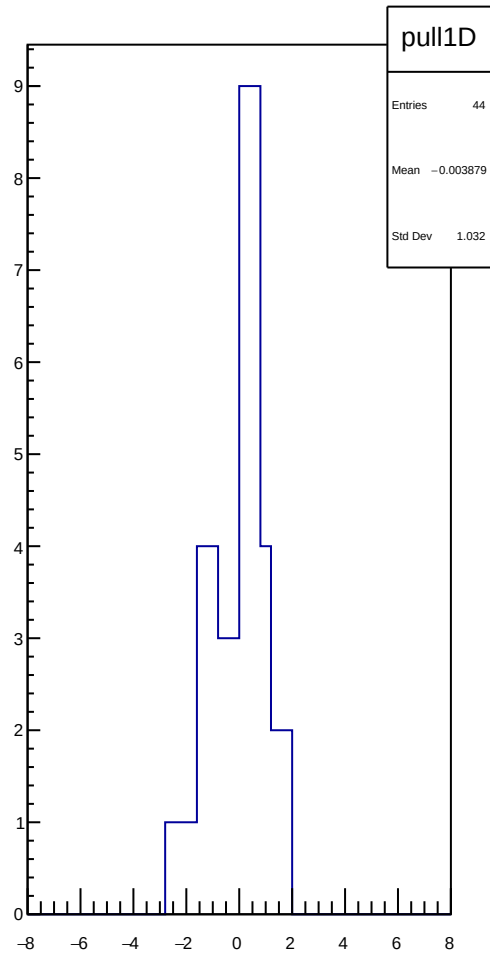
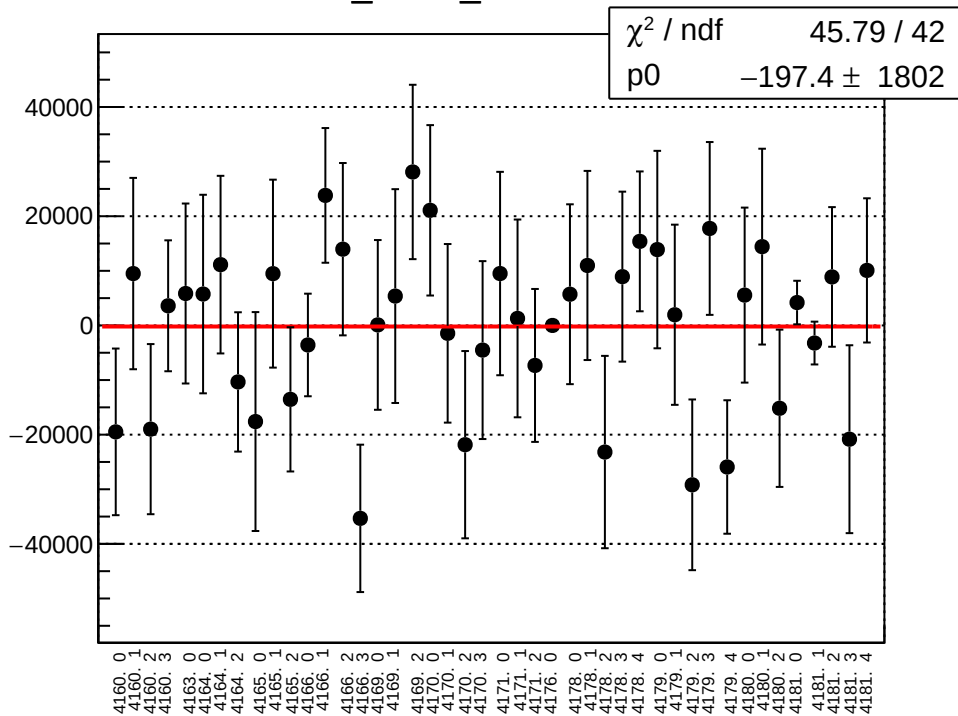
cor\_sam4\_mean vs run



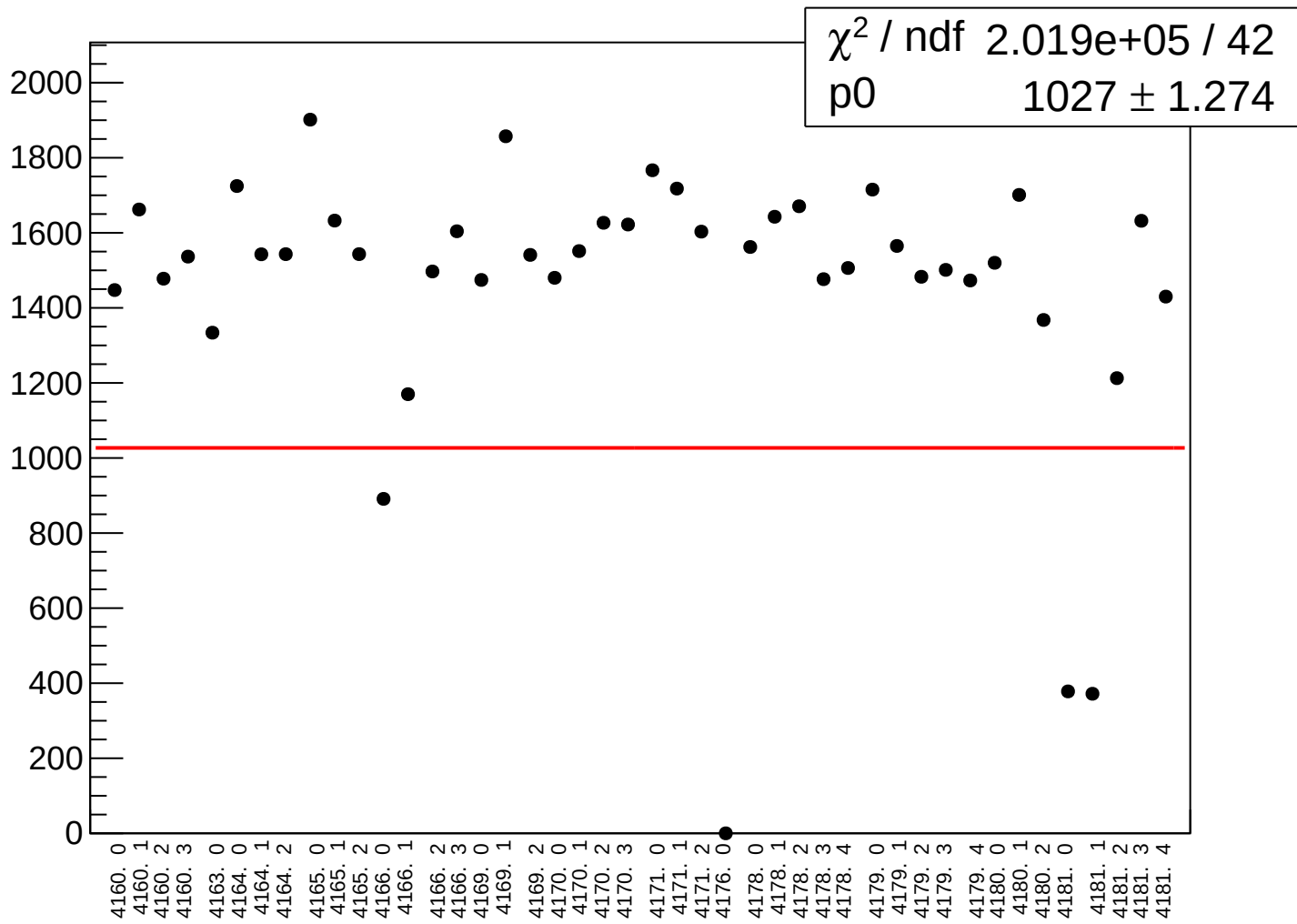
cor\_sam4\_rms vs run



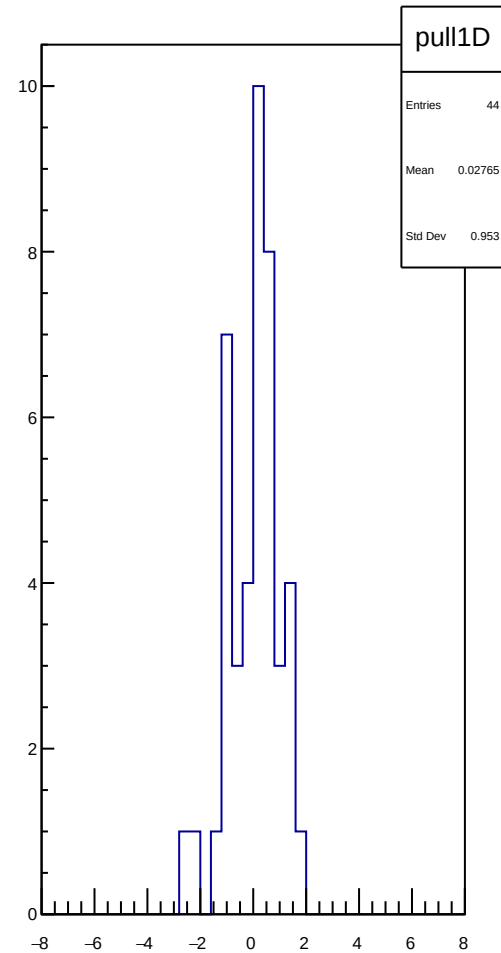
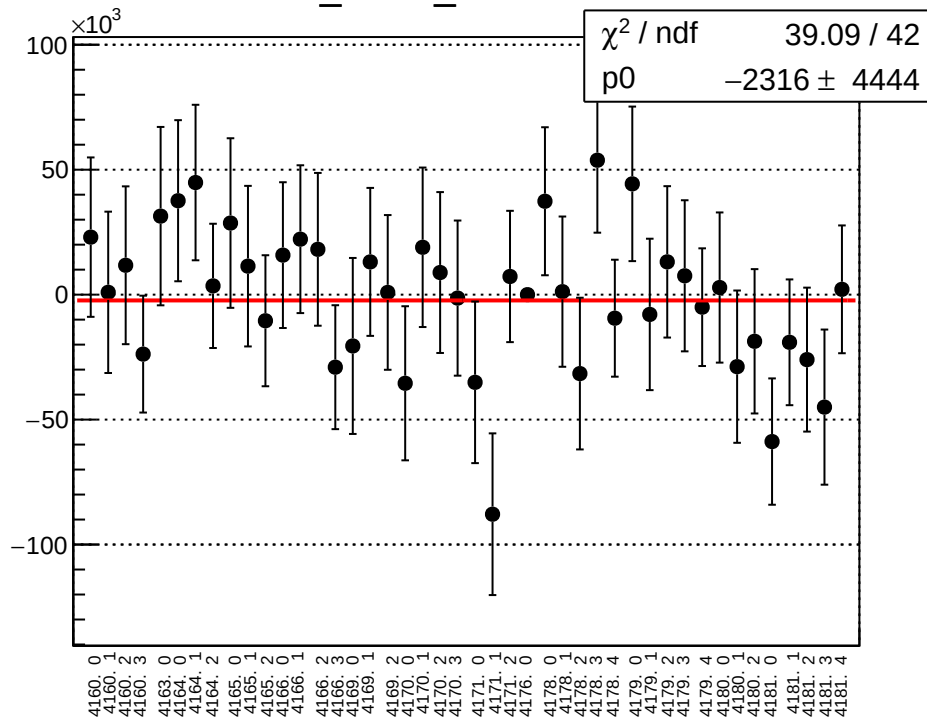
cor\_sam5\_mean vs run



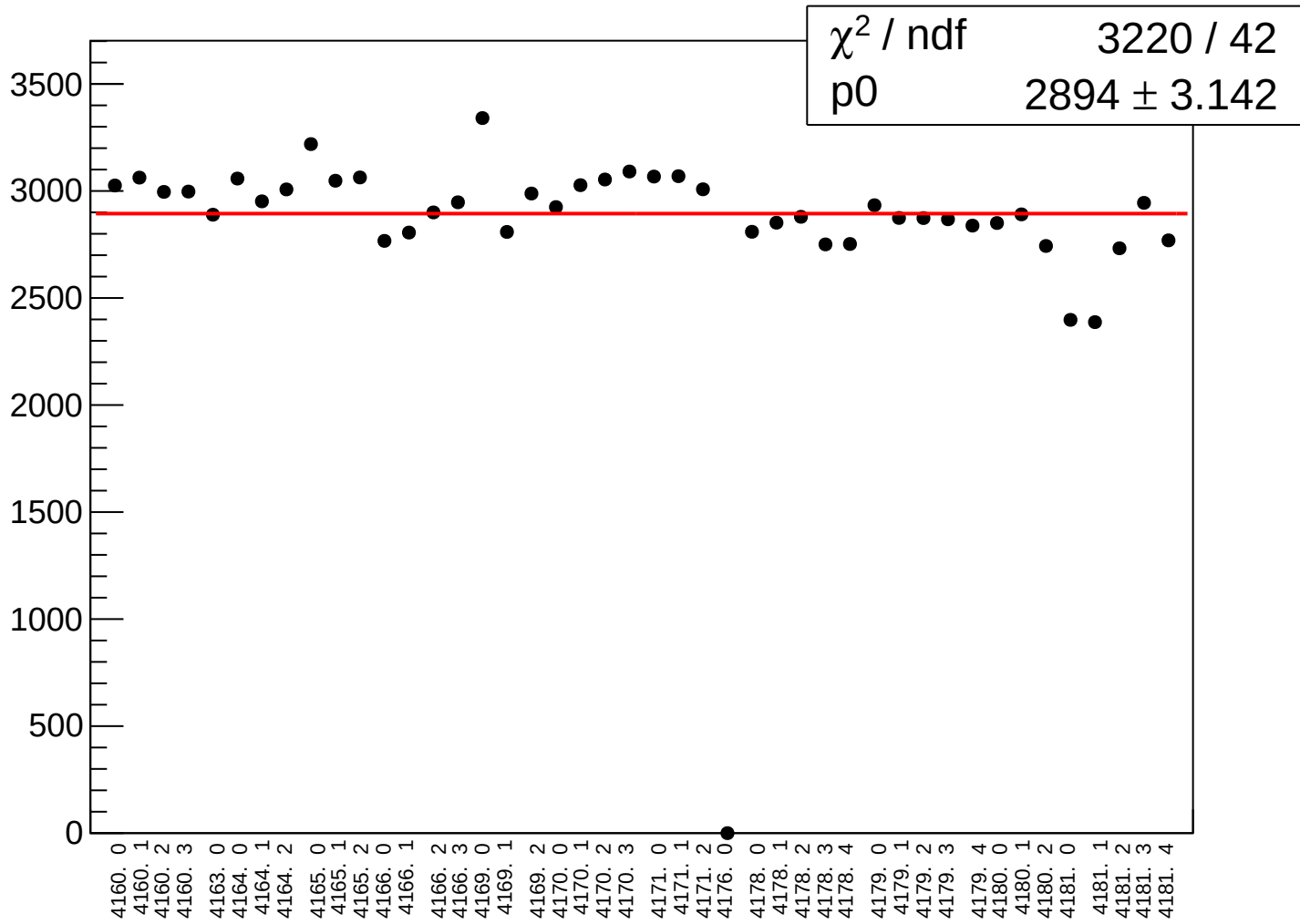
cor\_sam5\_rms vs run



cor\_sam6\_mean vs run

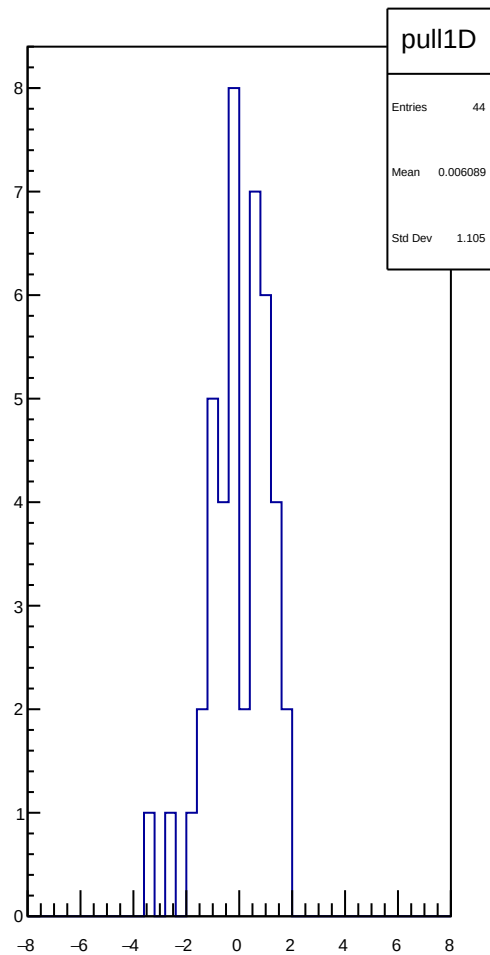
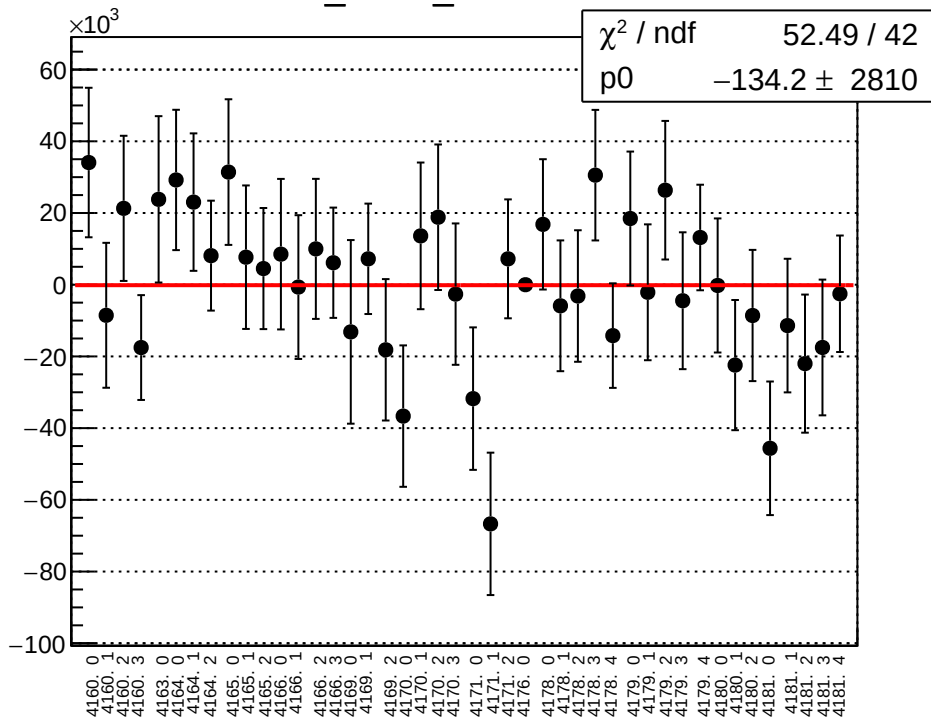


cor\_sam6\_rms vs run

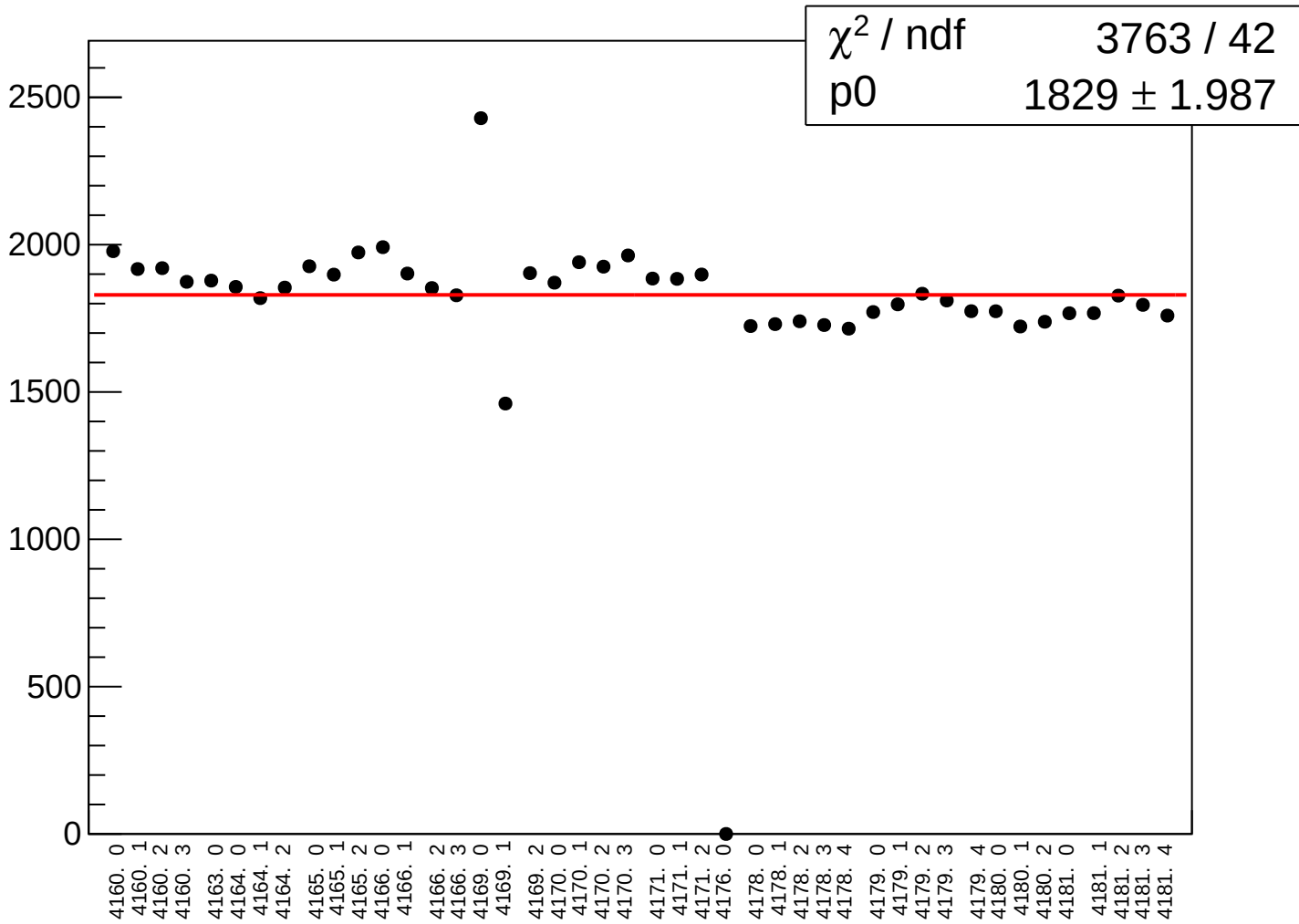




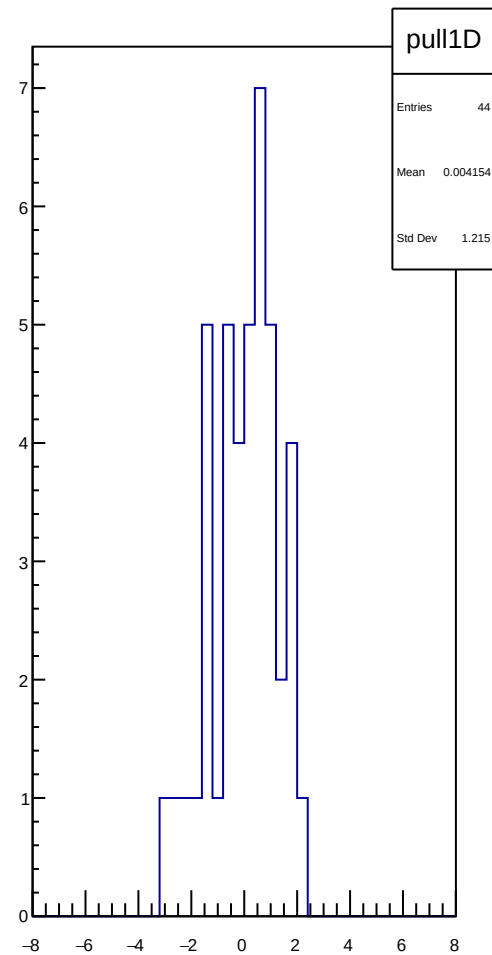
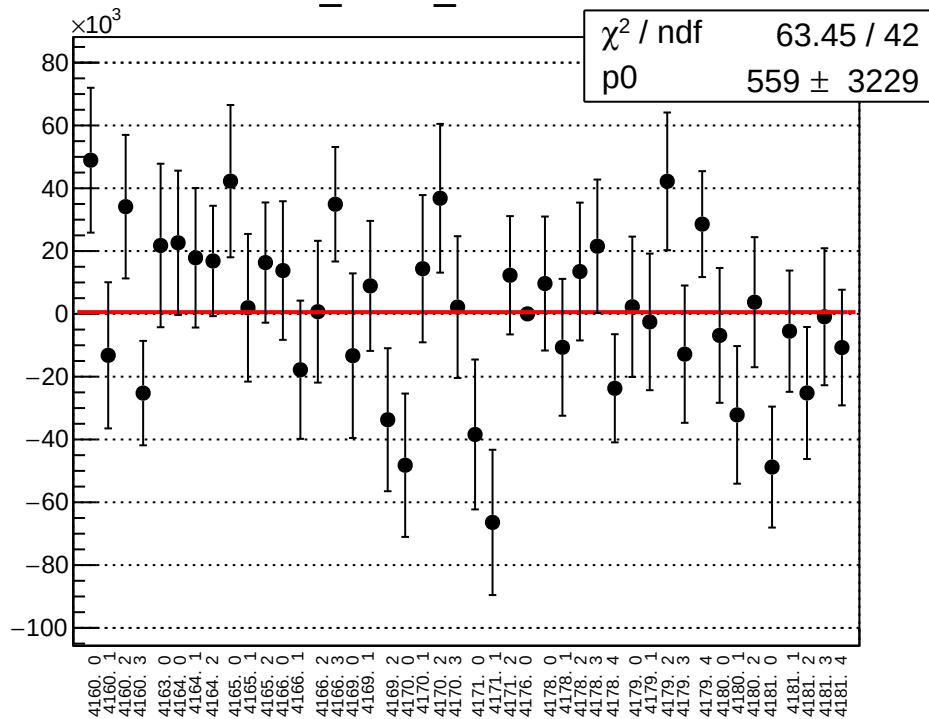
cor\_sam7\_mean vs run



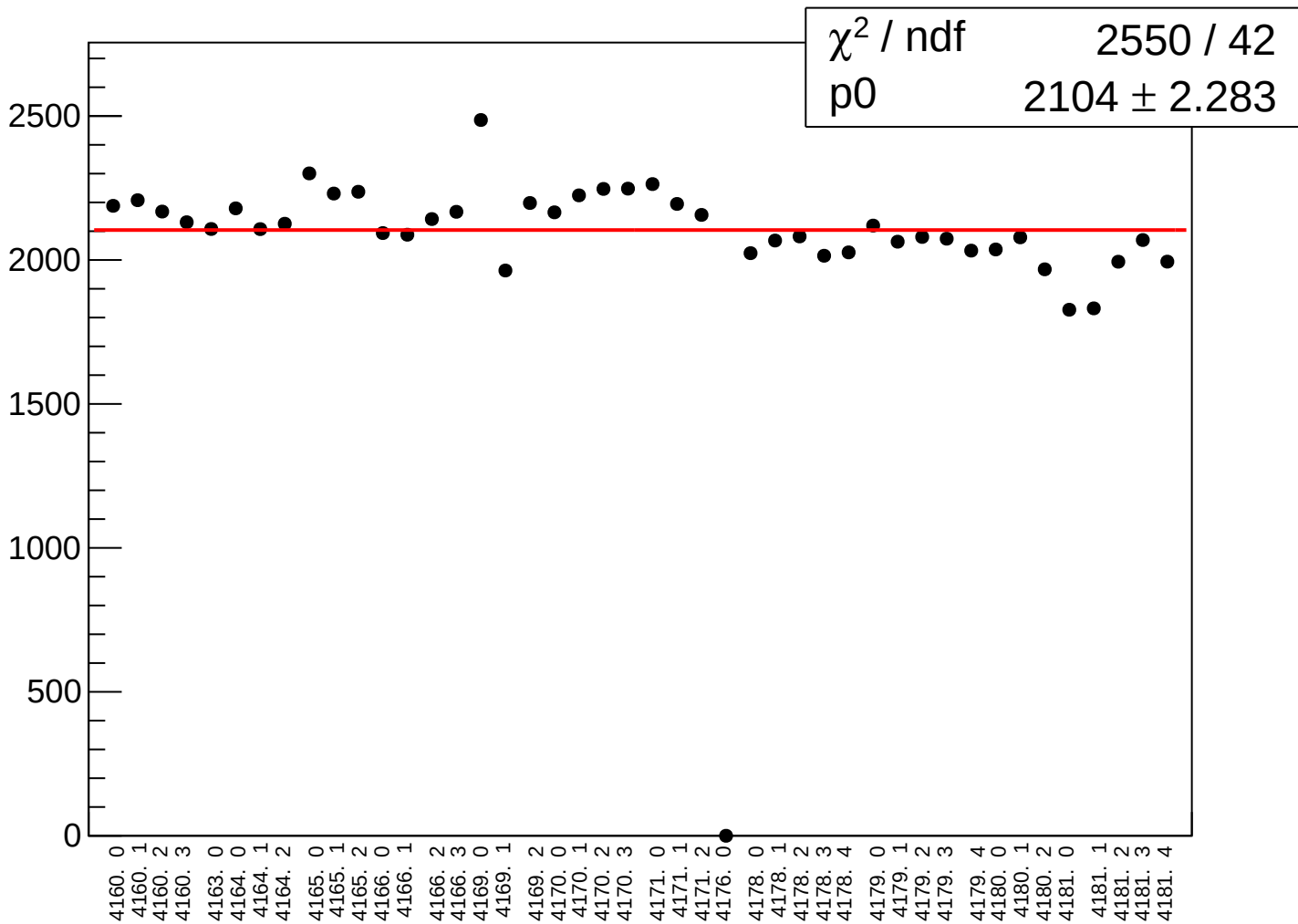
cor\_sam7\_rms vs run



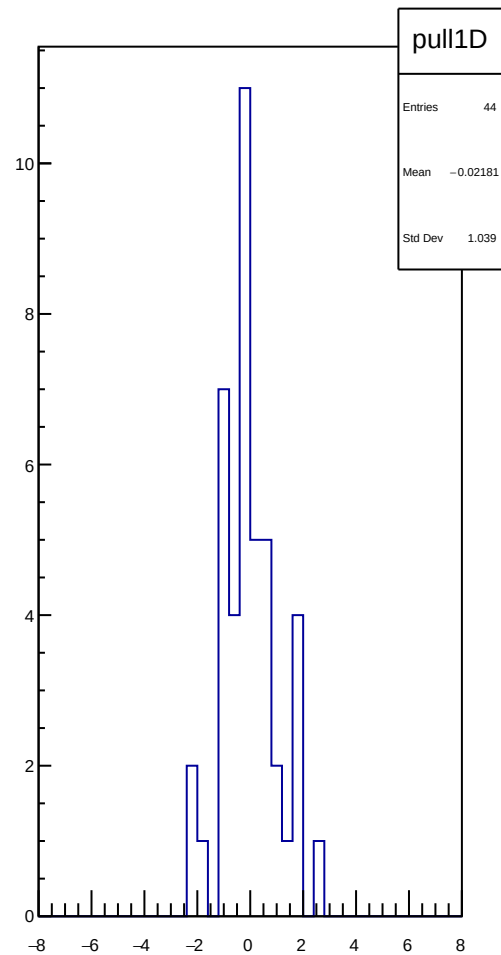
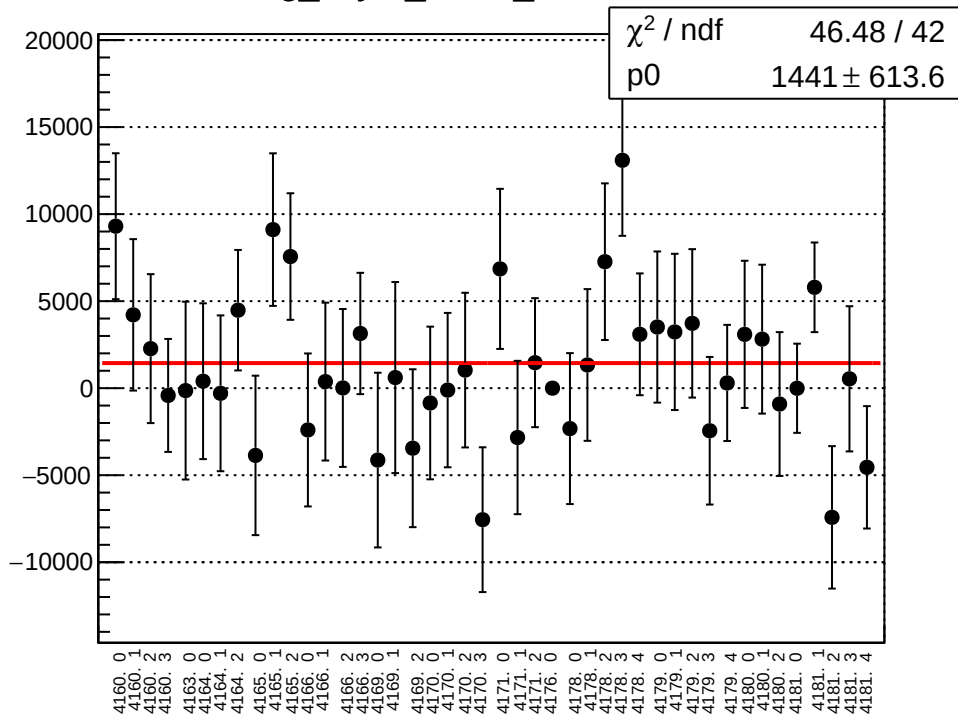
cor\_sam8\_mean vs run



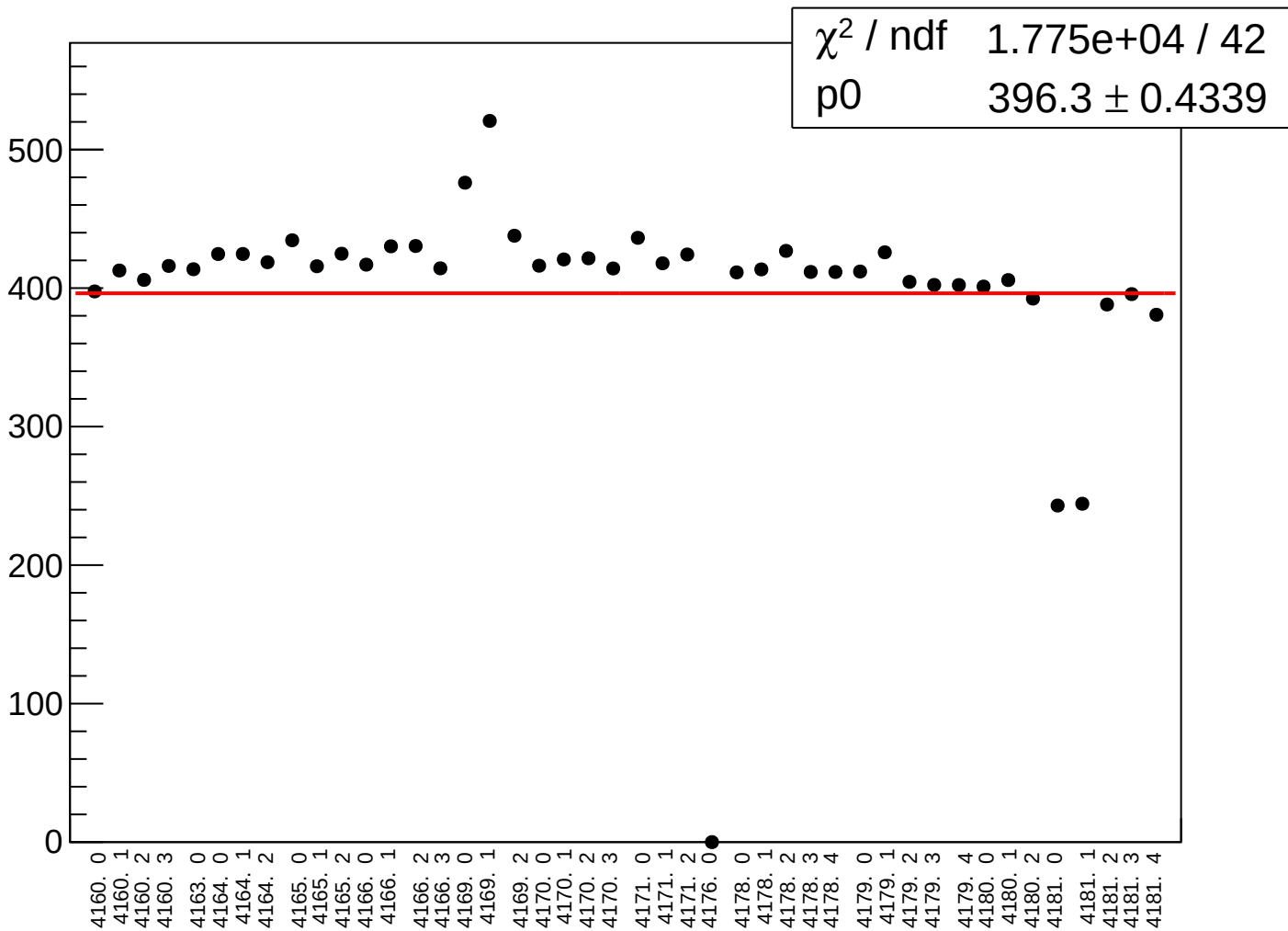
cor\_sam8\_rms vs run



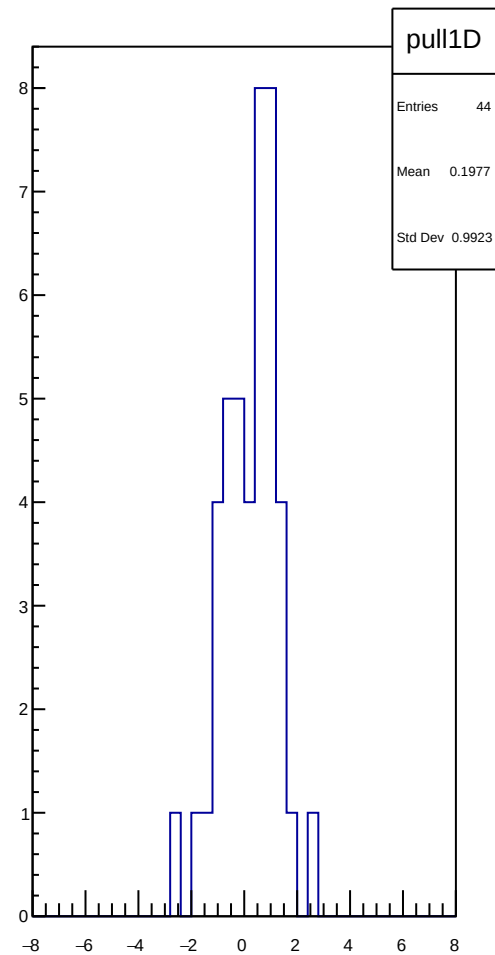
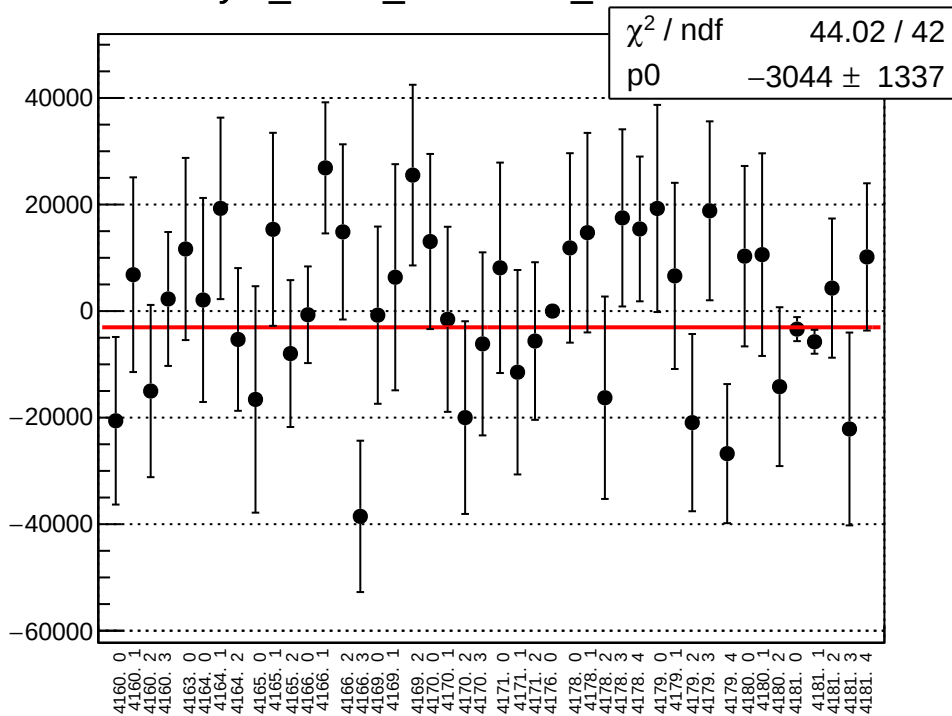
reg\_asym\_sam1\_mean vs run



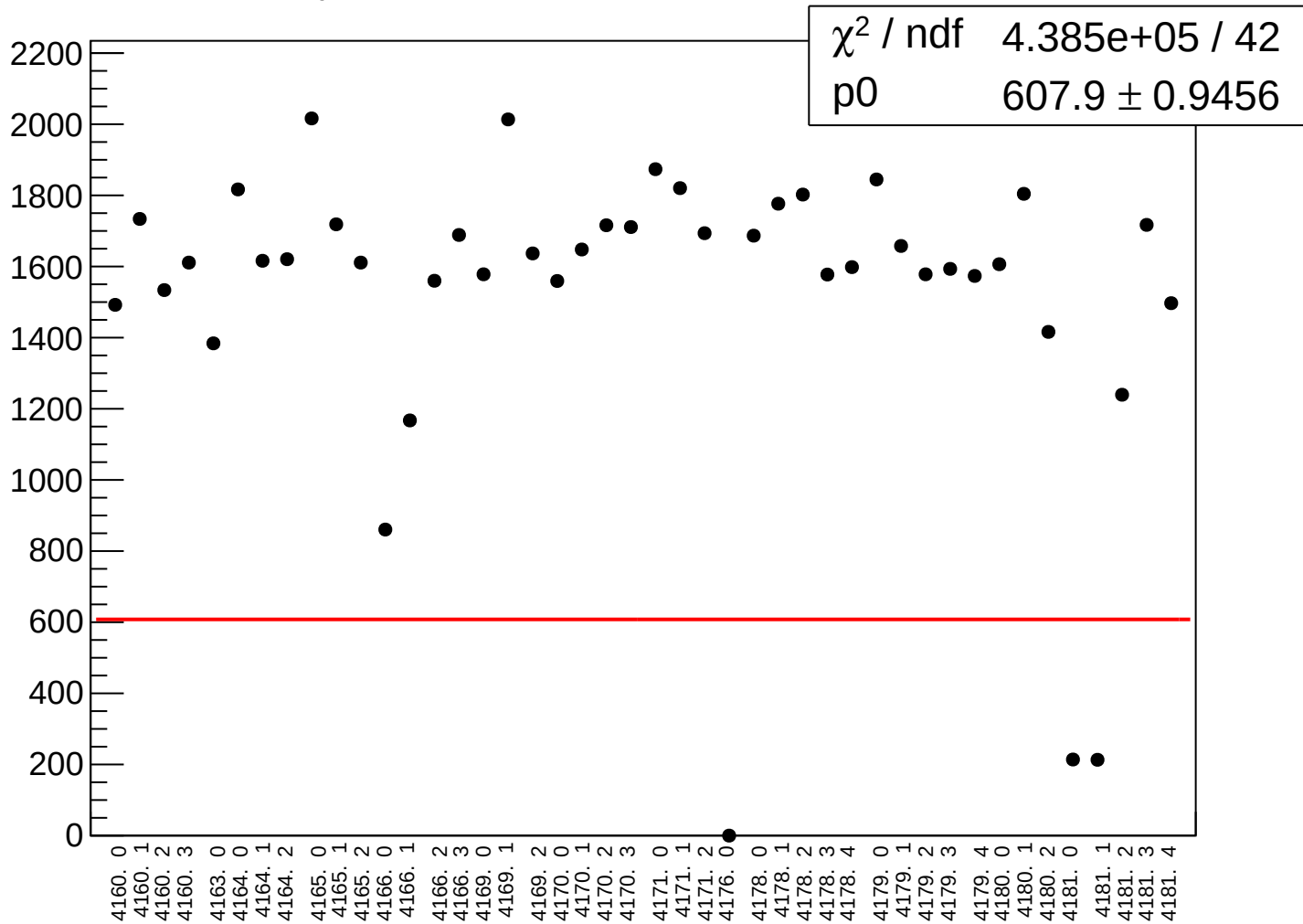
reg\_asym\_sam1\_rms vs run



# asym\_sam1\_correction\_mean vs run

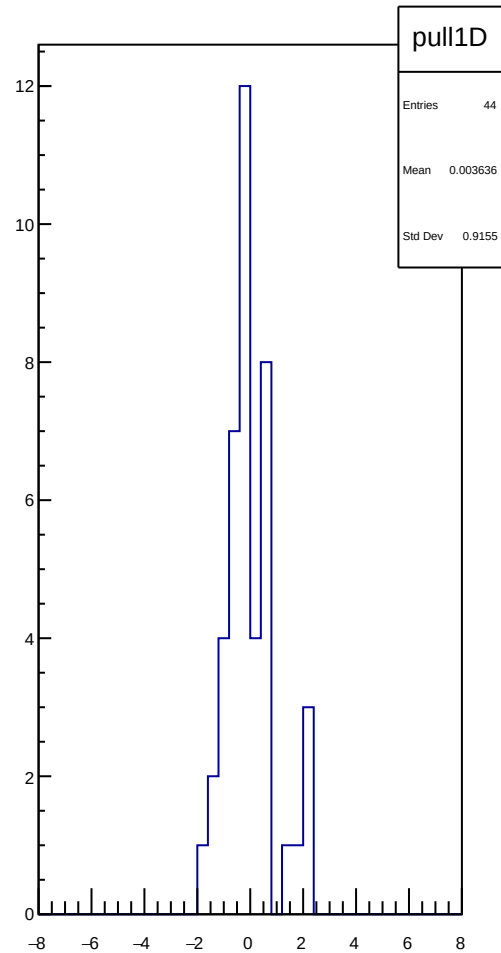
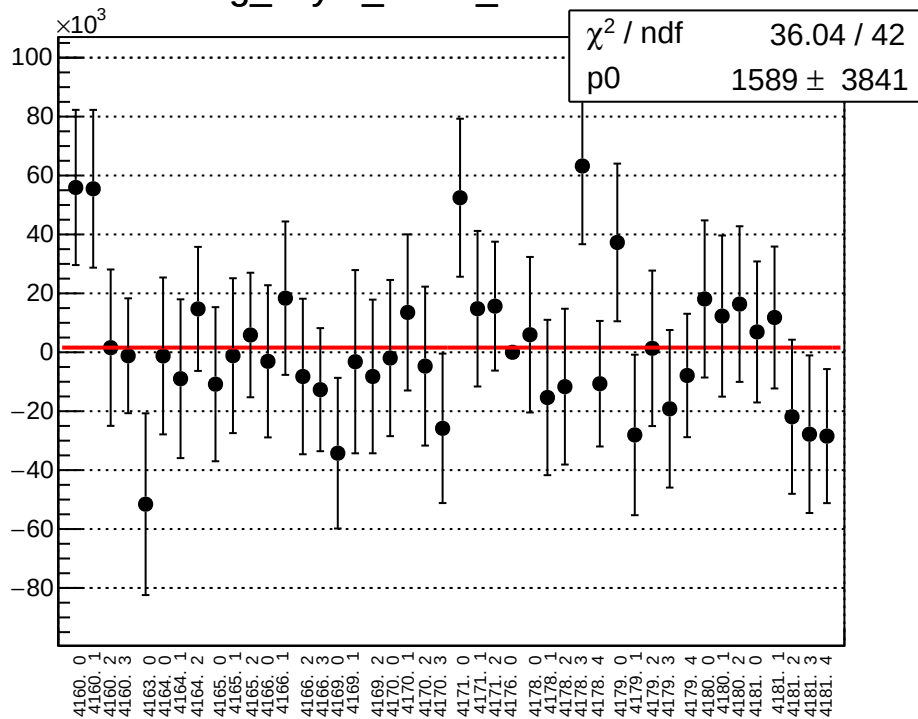


# asym\_sam1\_correction\_rms vs run

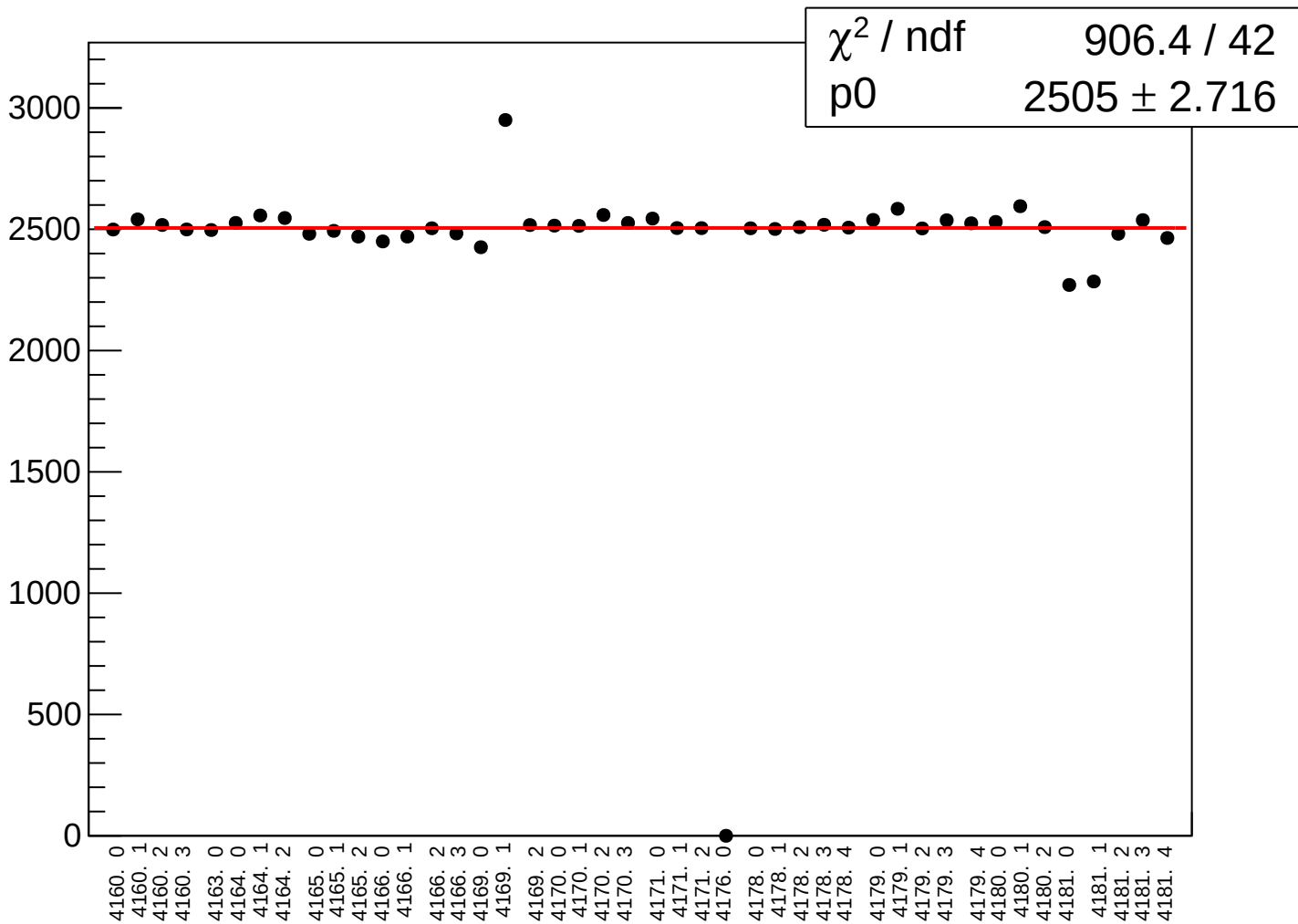




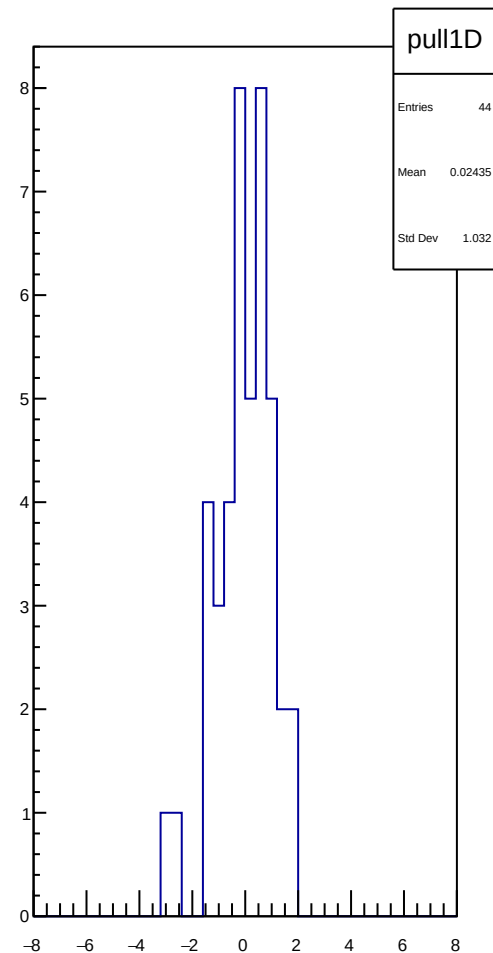
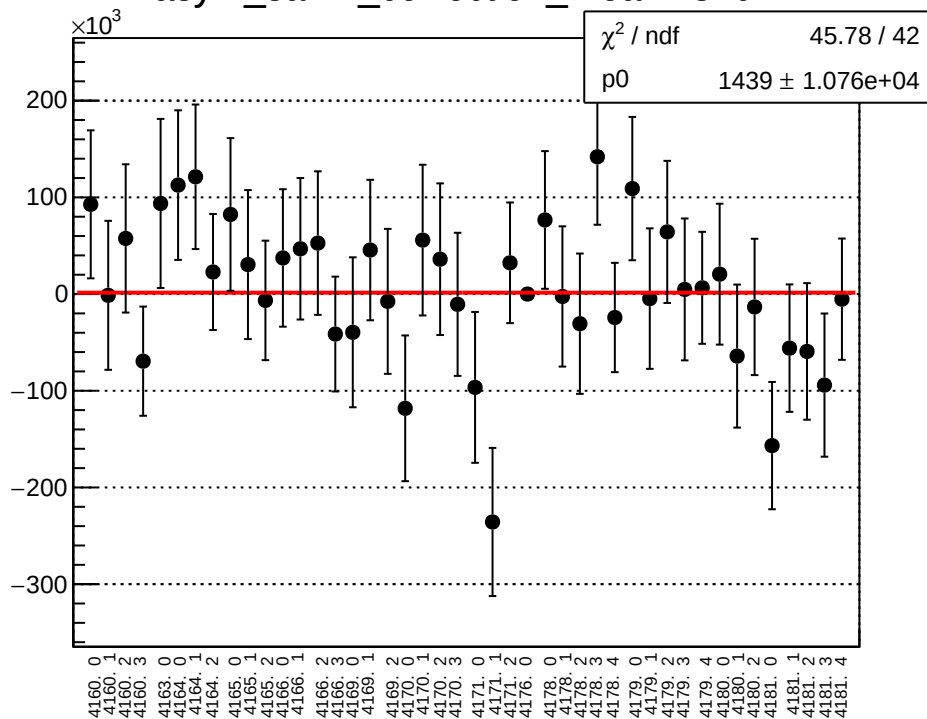
reg\_asym\_sam2\_mean vs run



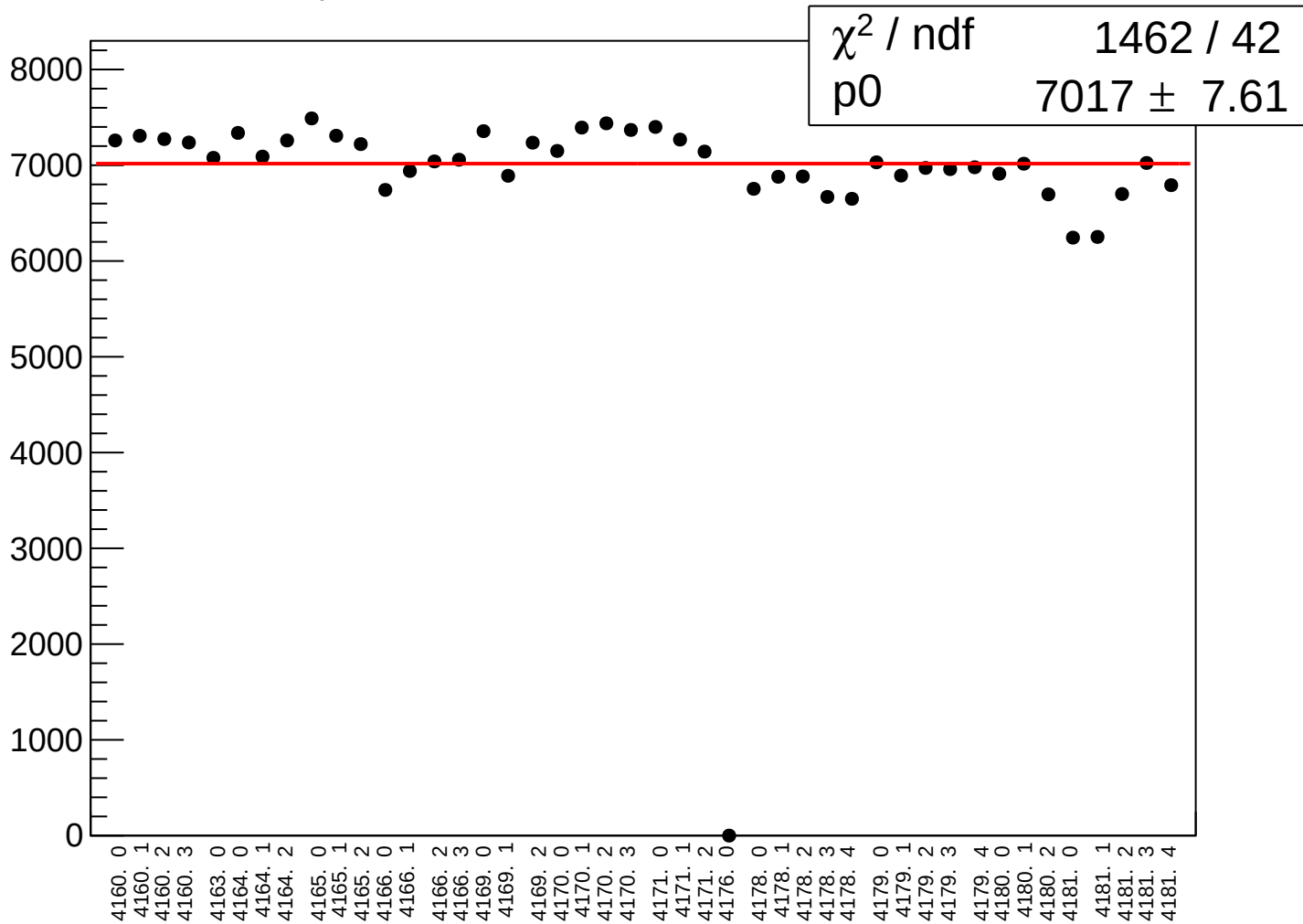
reg\_asym\_sam2\_rms vs run



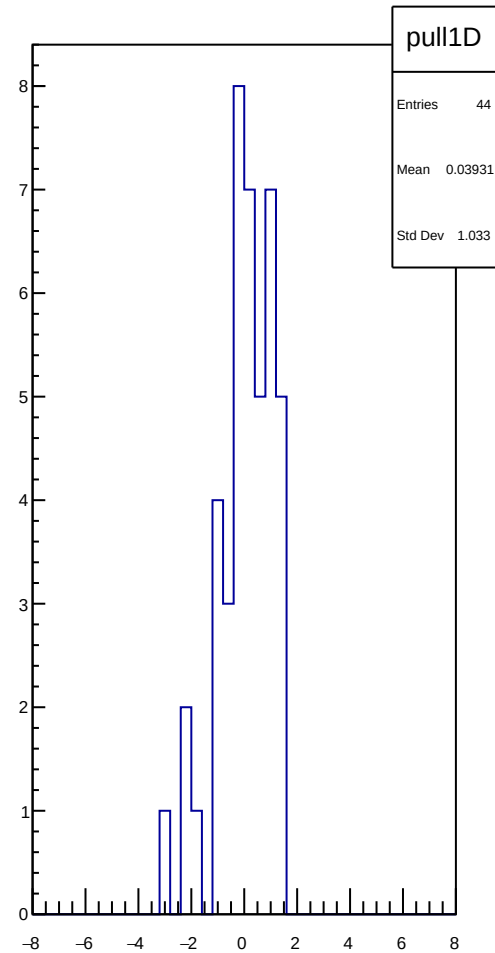
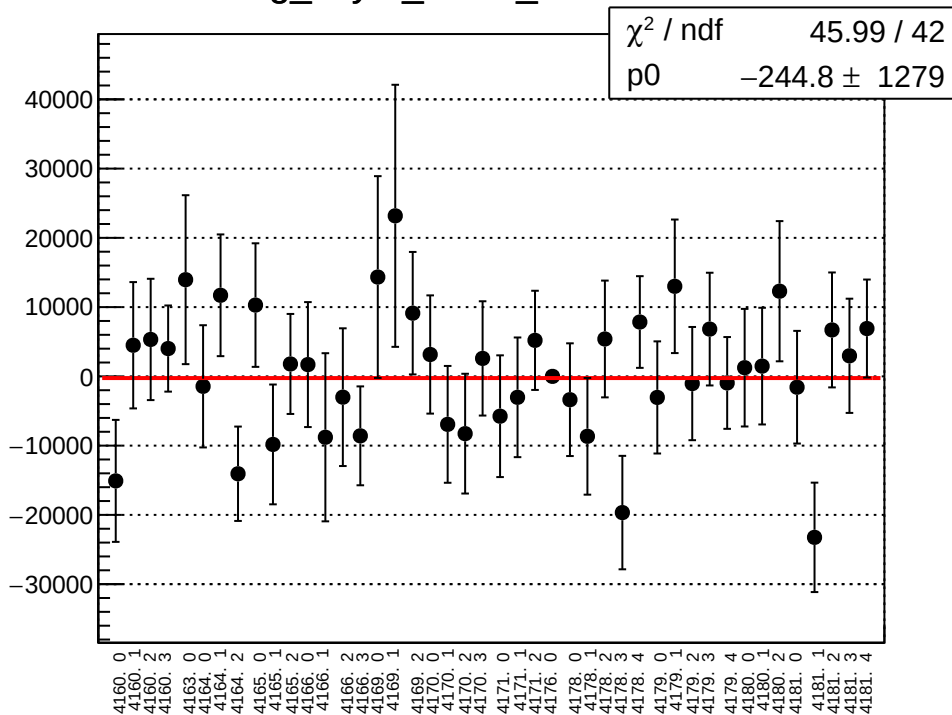
# asym\_sam2\_correction\_mean vs run



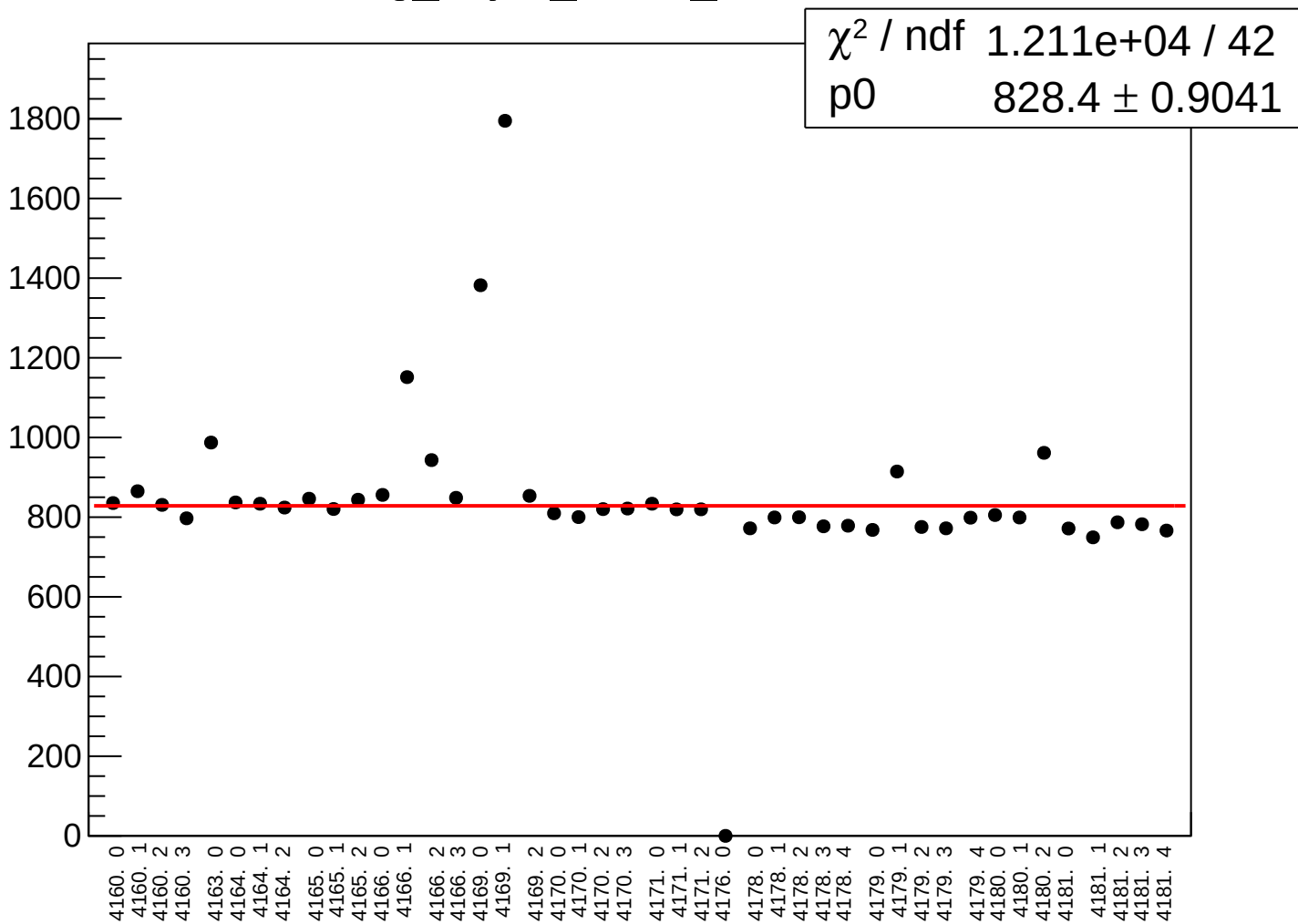
# asym\_sam2\_correction\_rms vs run



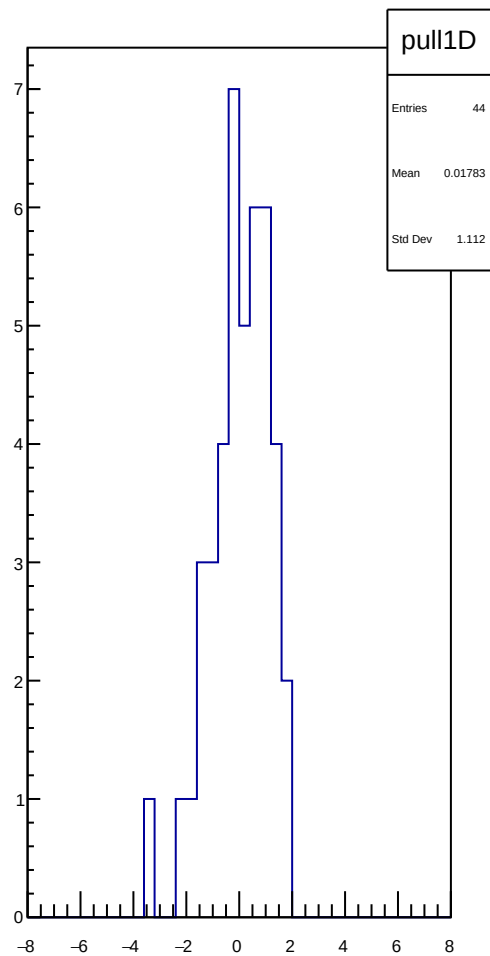
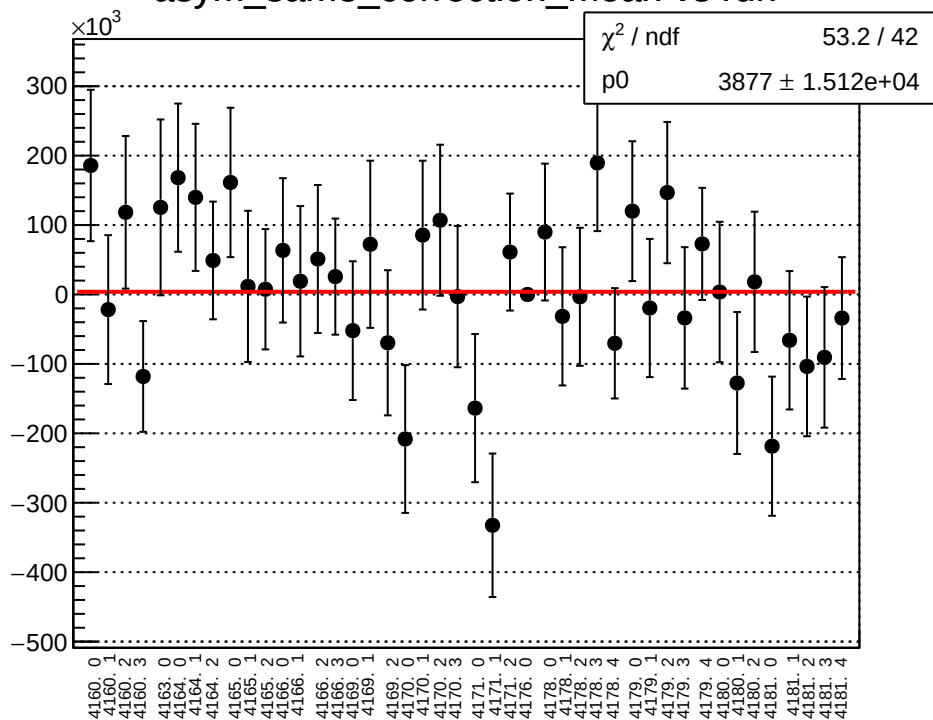
# reg\_asym\_sam3\_mean vs run



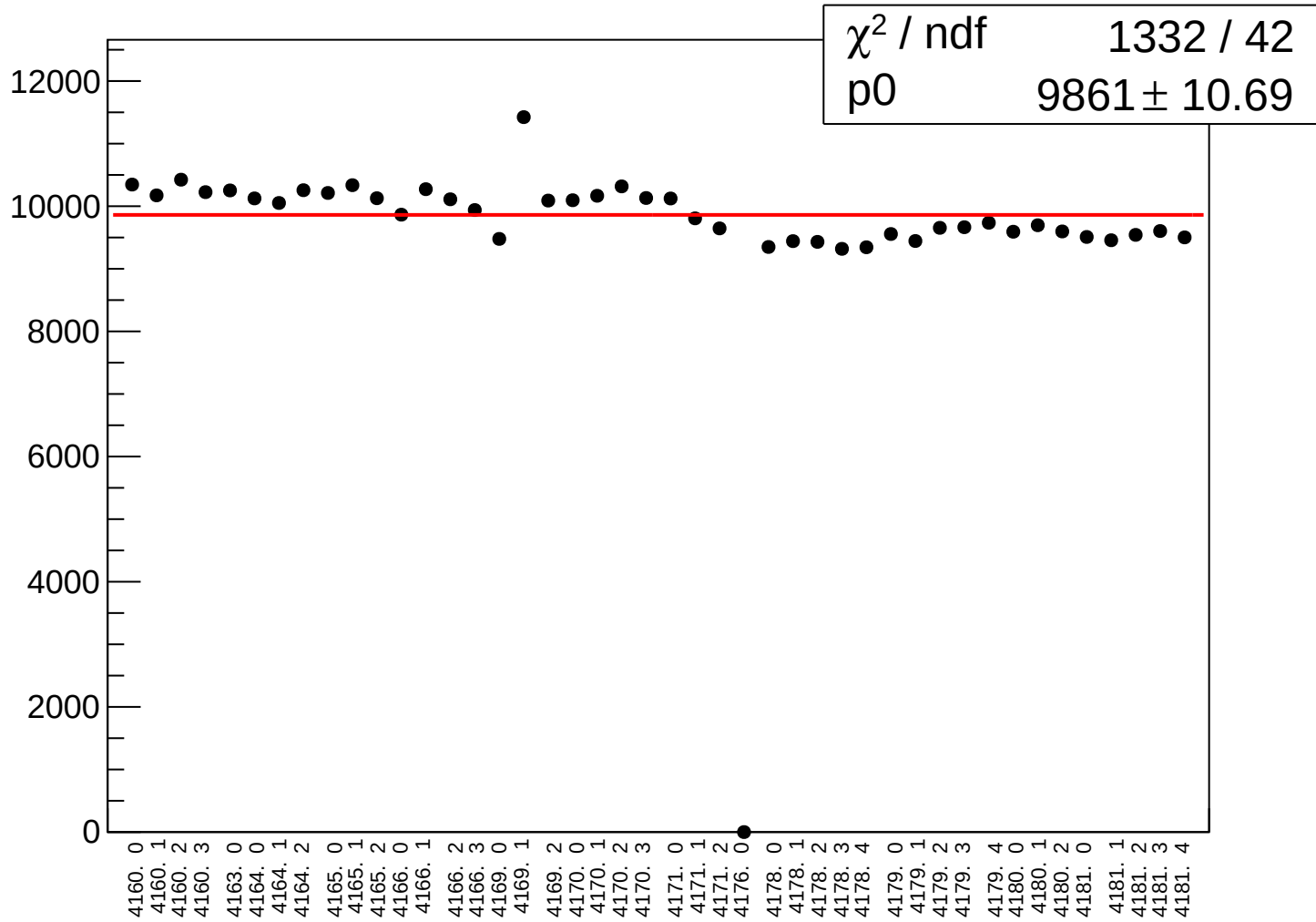
reg\_asym\_sam3\_rms vs run



# asym\_sam3\_correction\_mean vs run

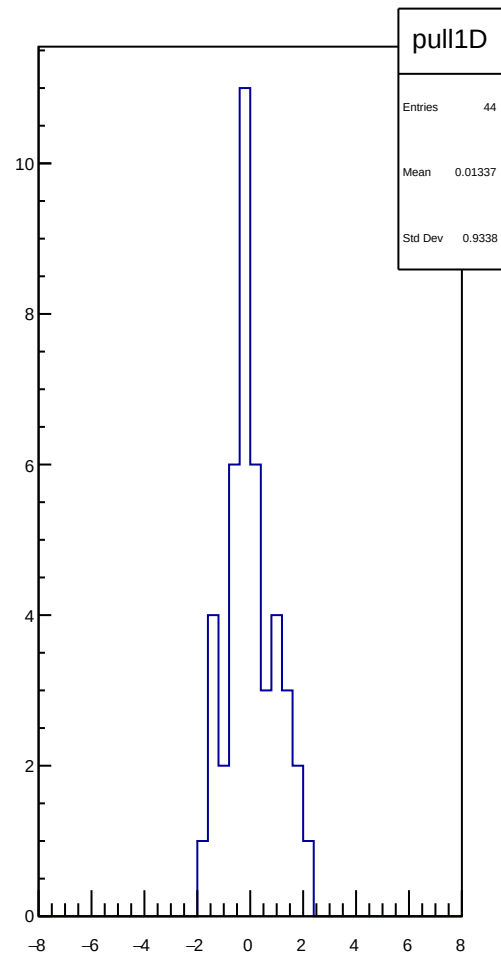
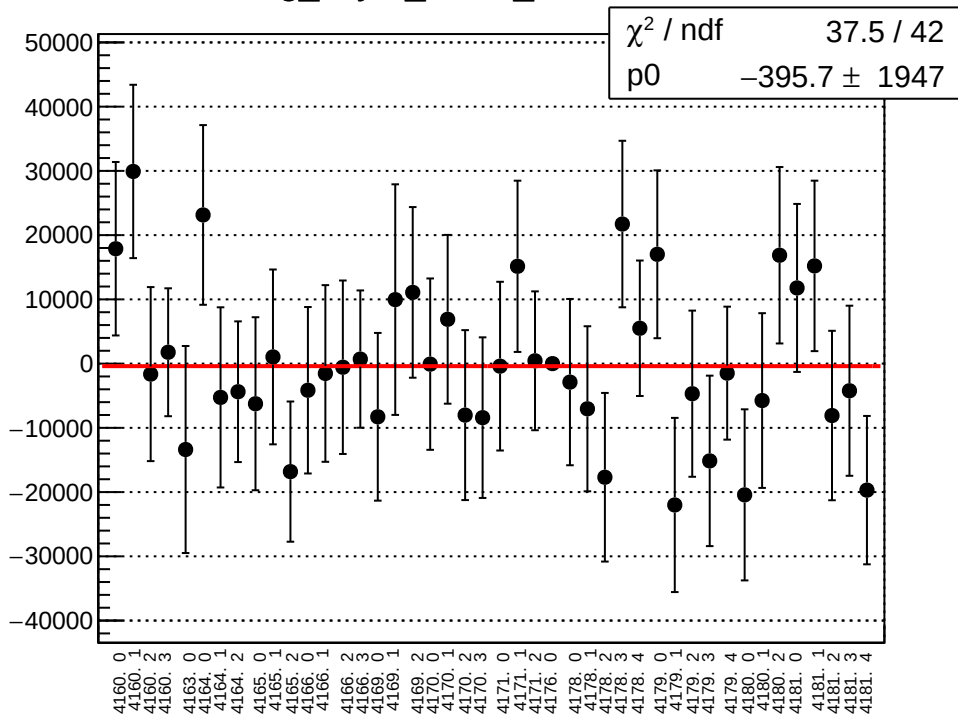


# asym\_sam3\_correction\_rms vs run

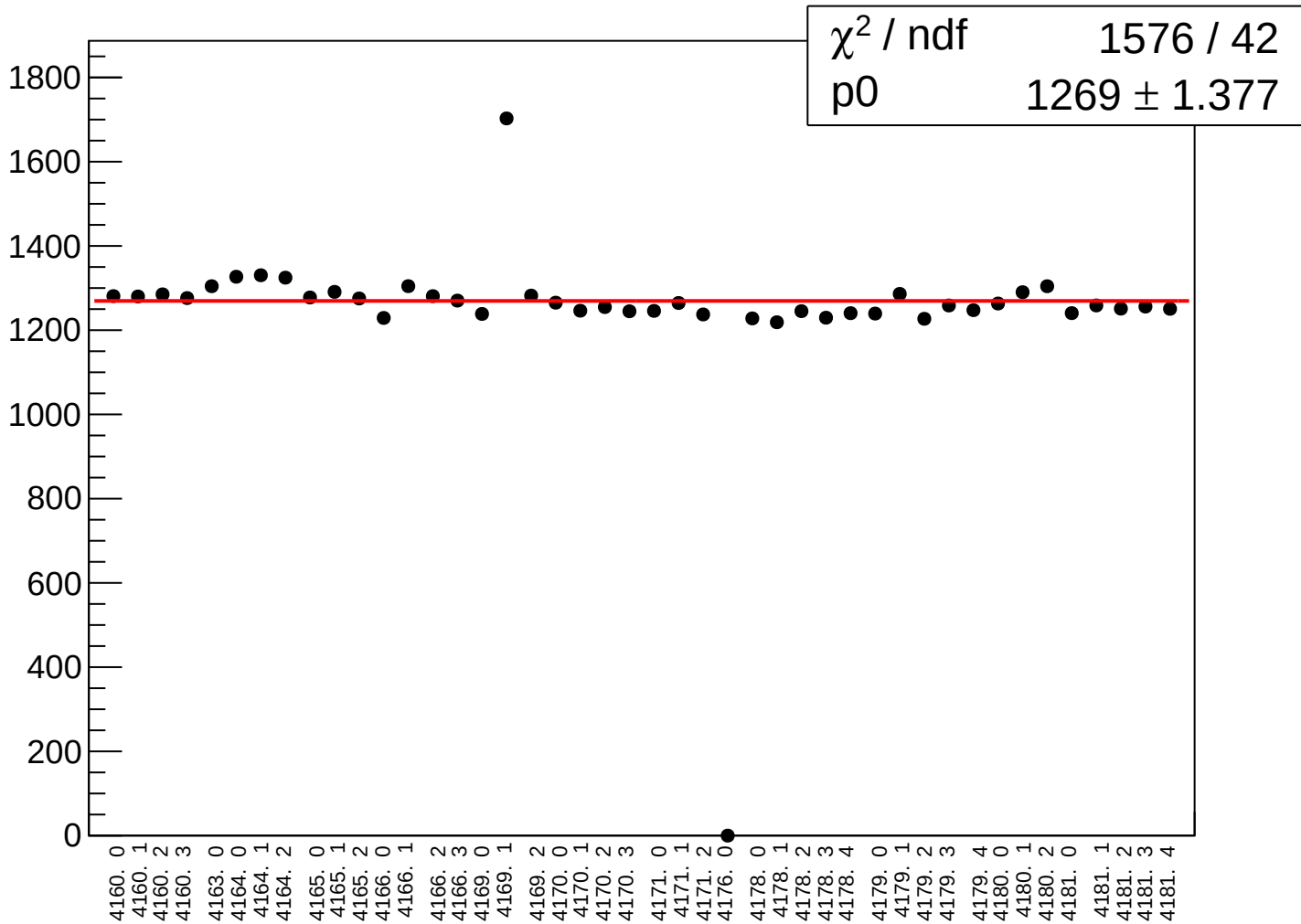




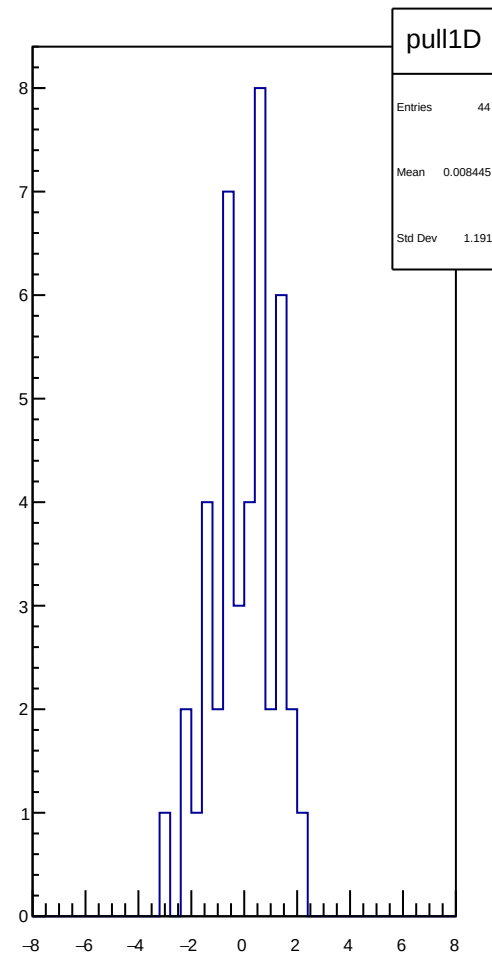
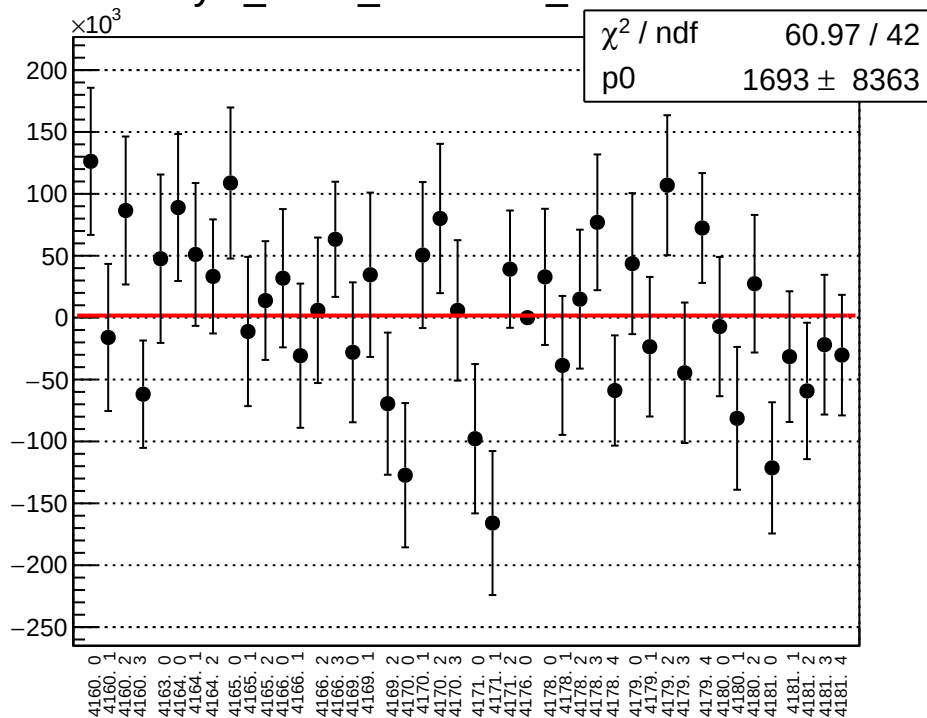
reg\_asym\_sam4\_mean vs run



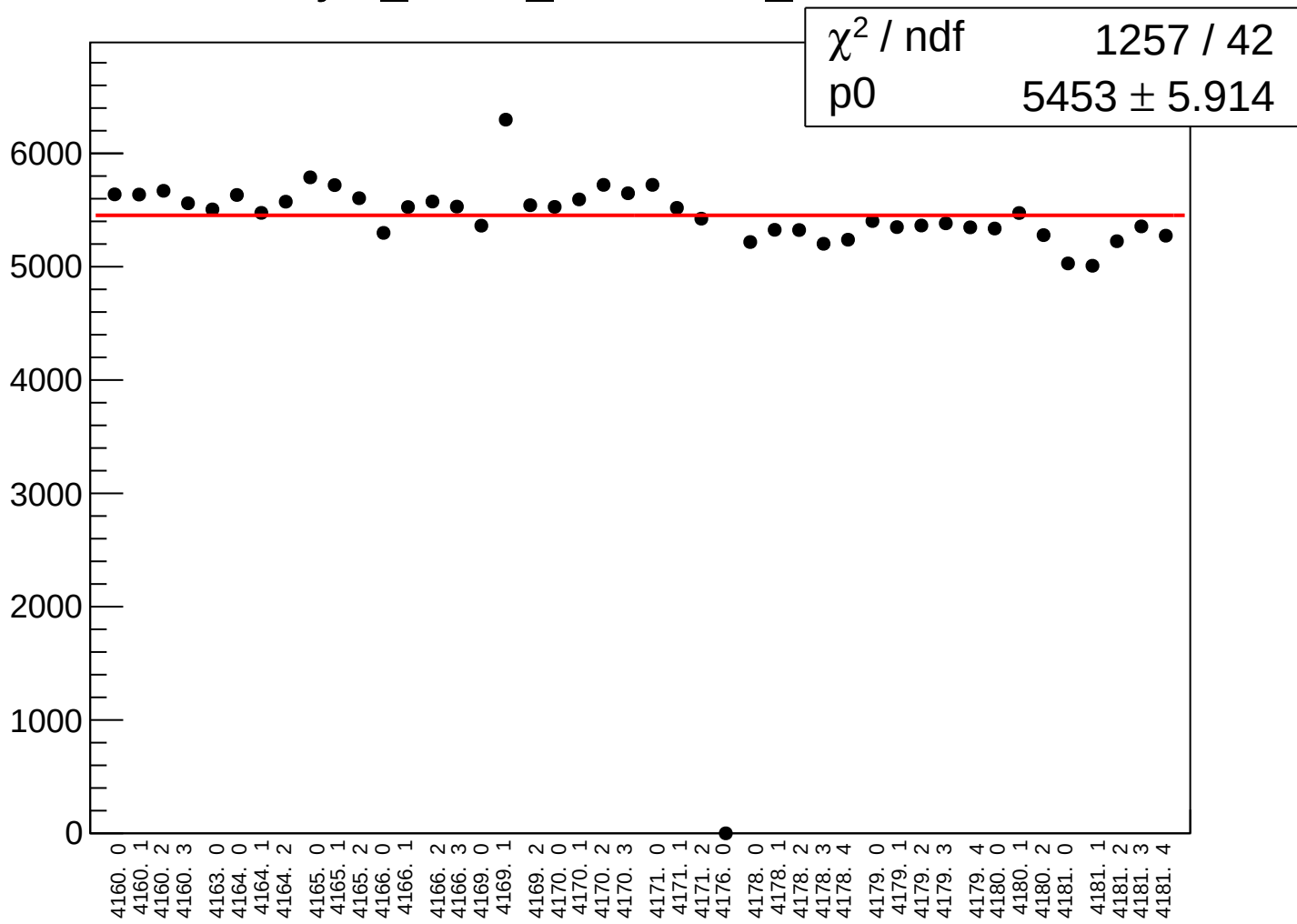
reg\_asym\_sam4\_rms vs run



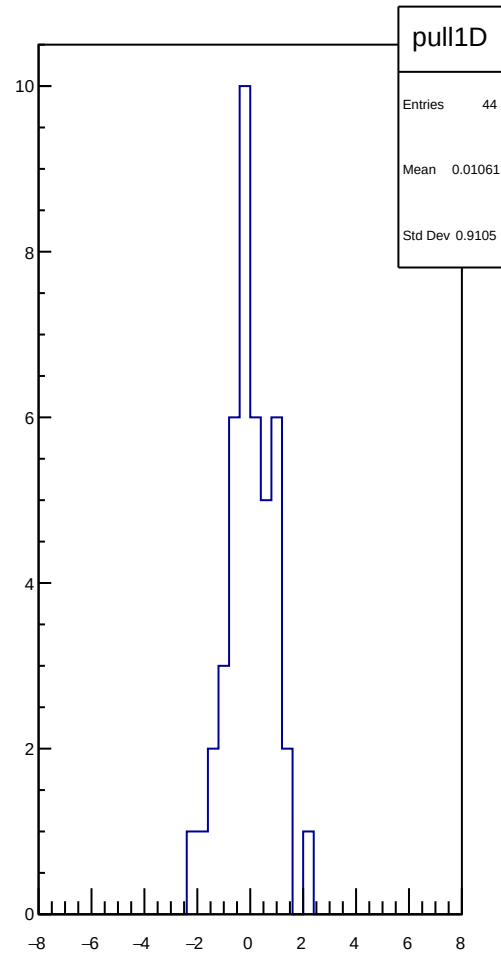
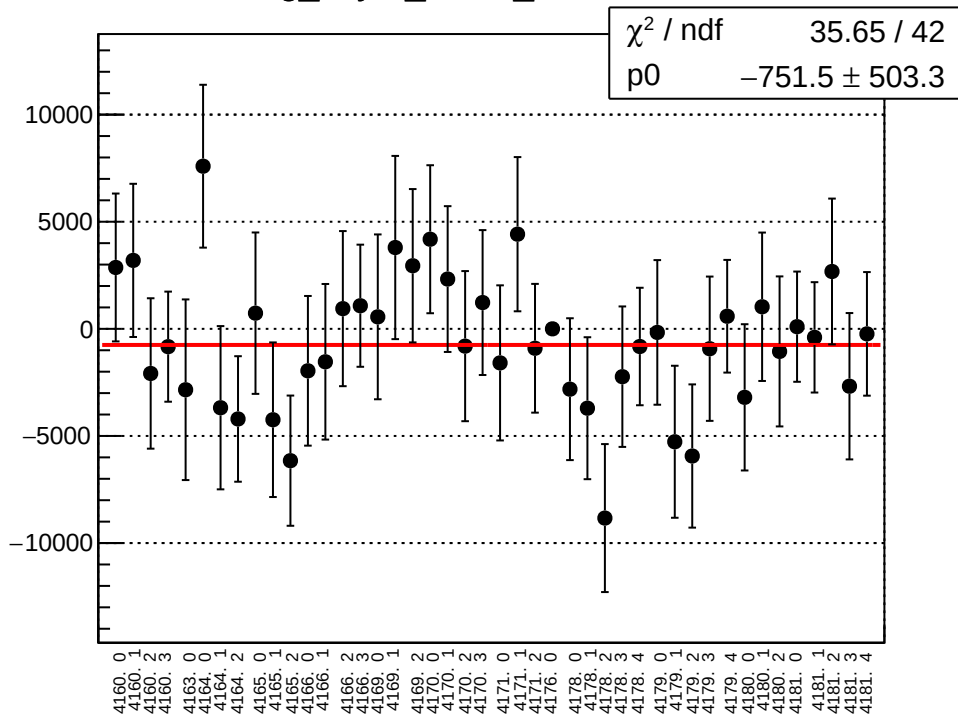
asym\_sam4\_correction\_mean vs run



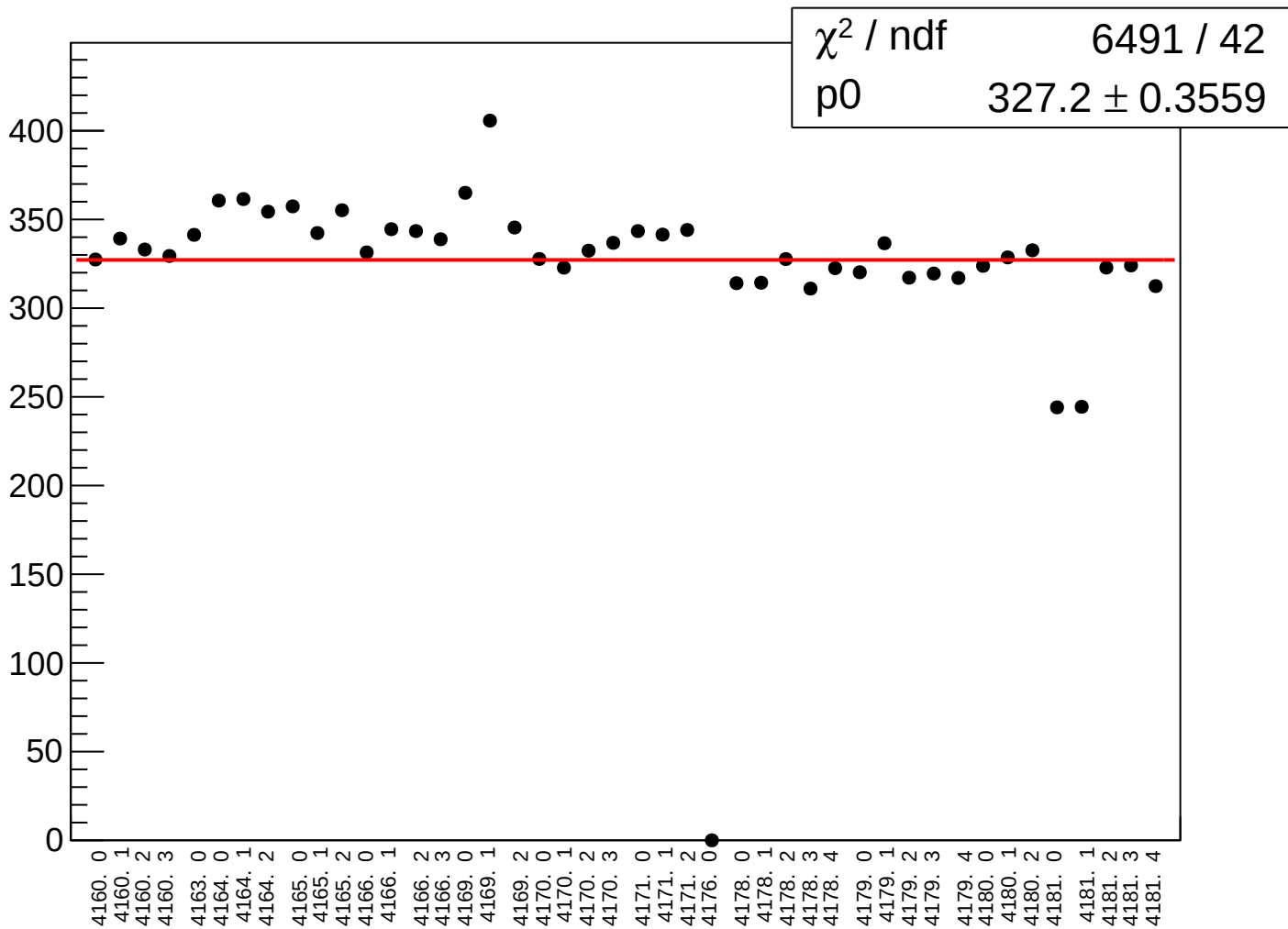
# asym\_sam4\_correction\_rms vs run



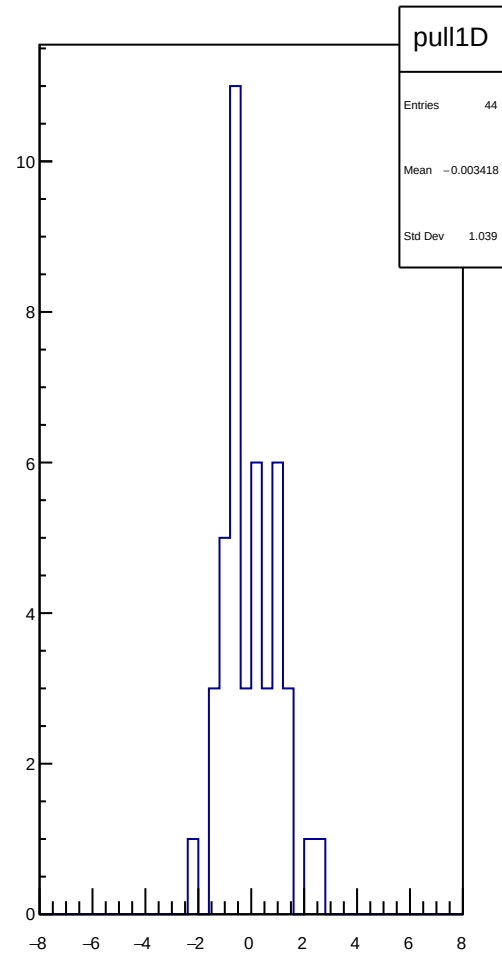
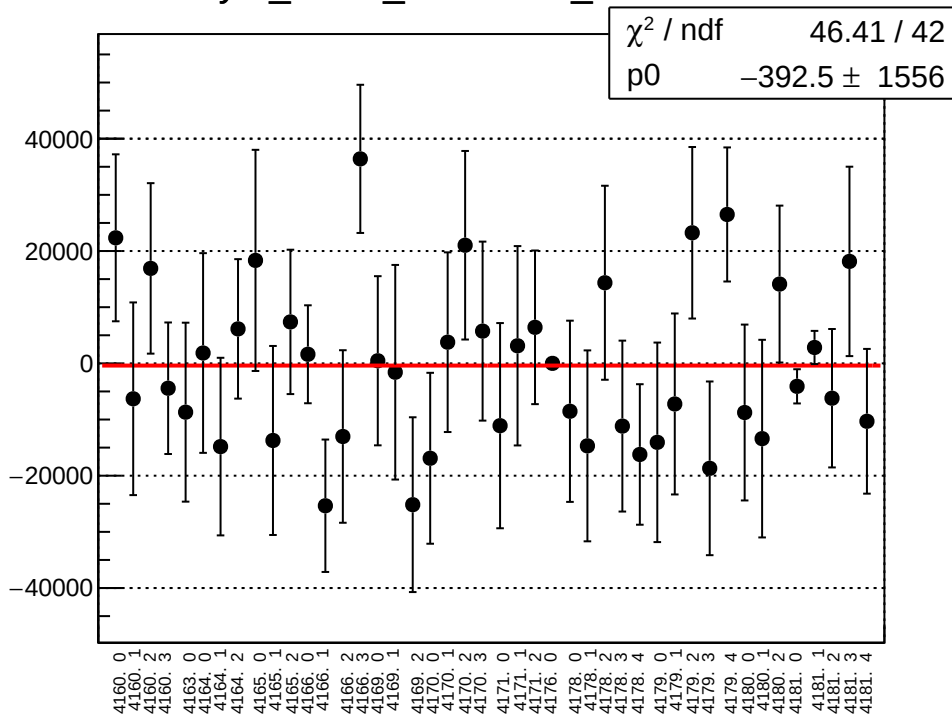
reg\_asym\_sam5\_mean vs run



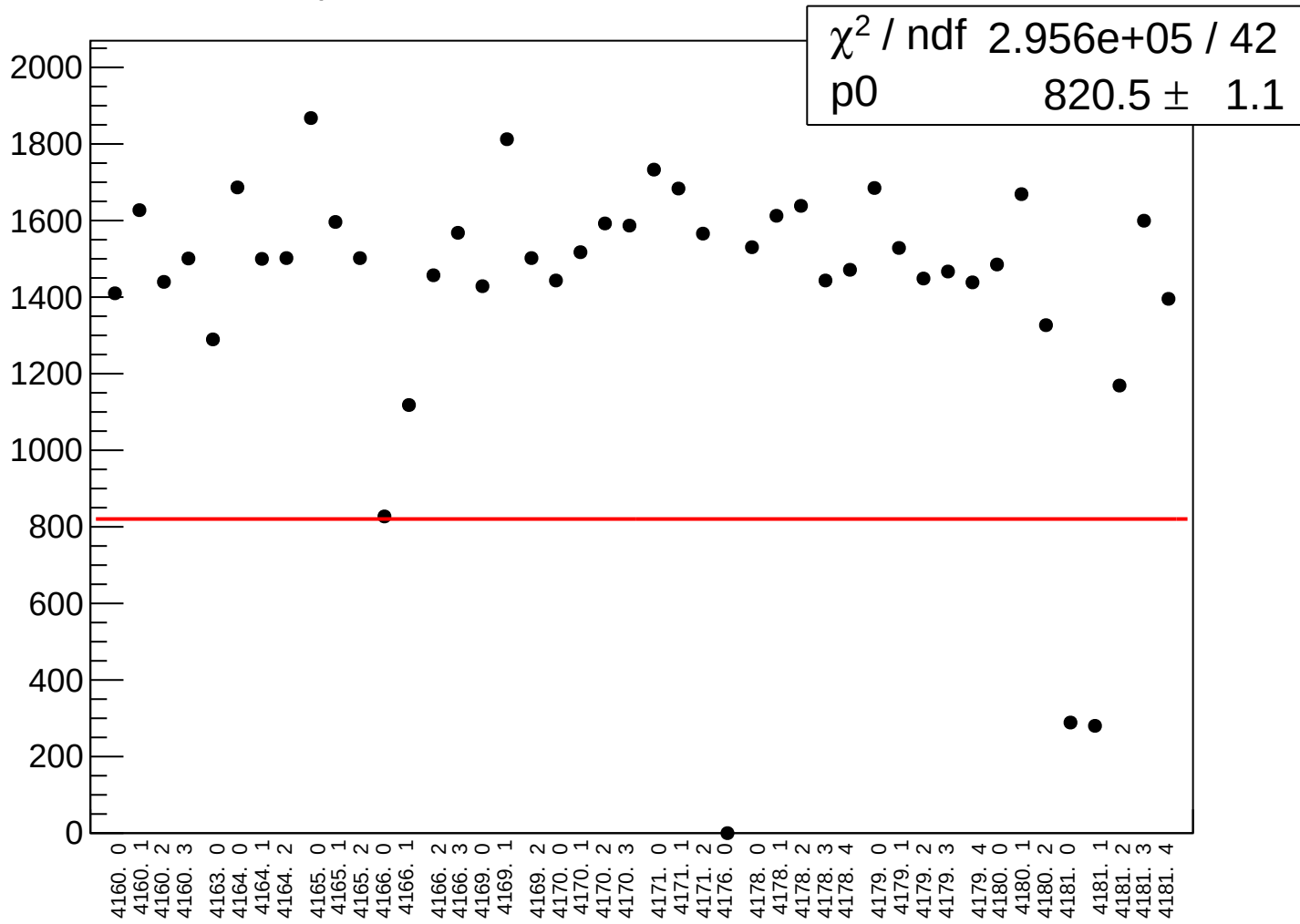
# reg\_asym\_sam5\_rms vs run



asym\_sam5\_correction\_mean vs run

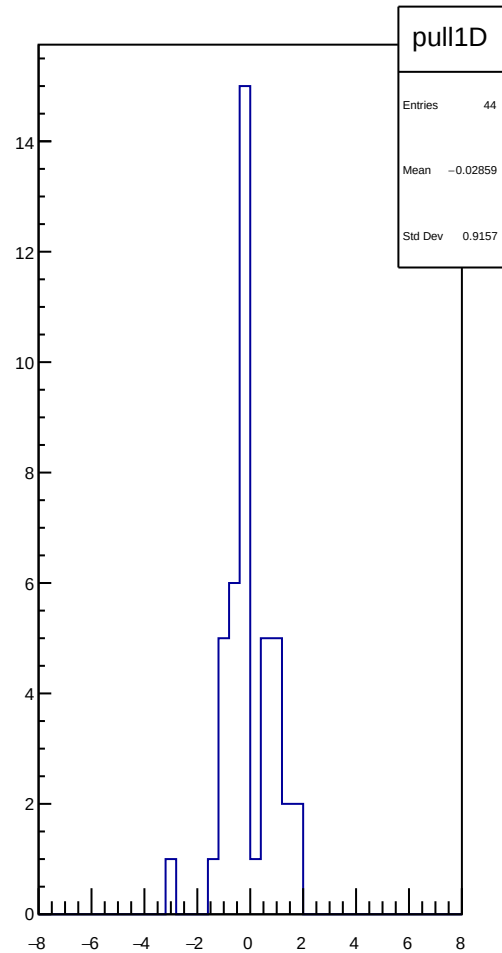
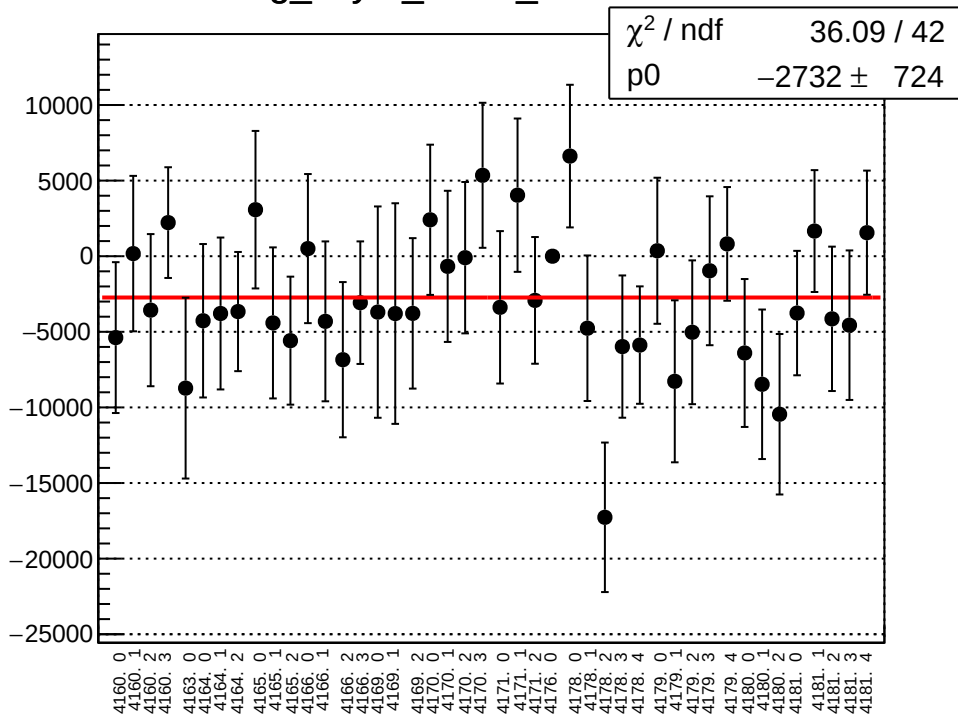


# asym\_sam5\_correction\_rms vs run

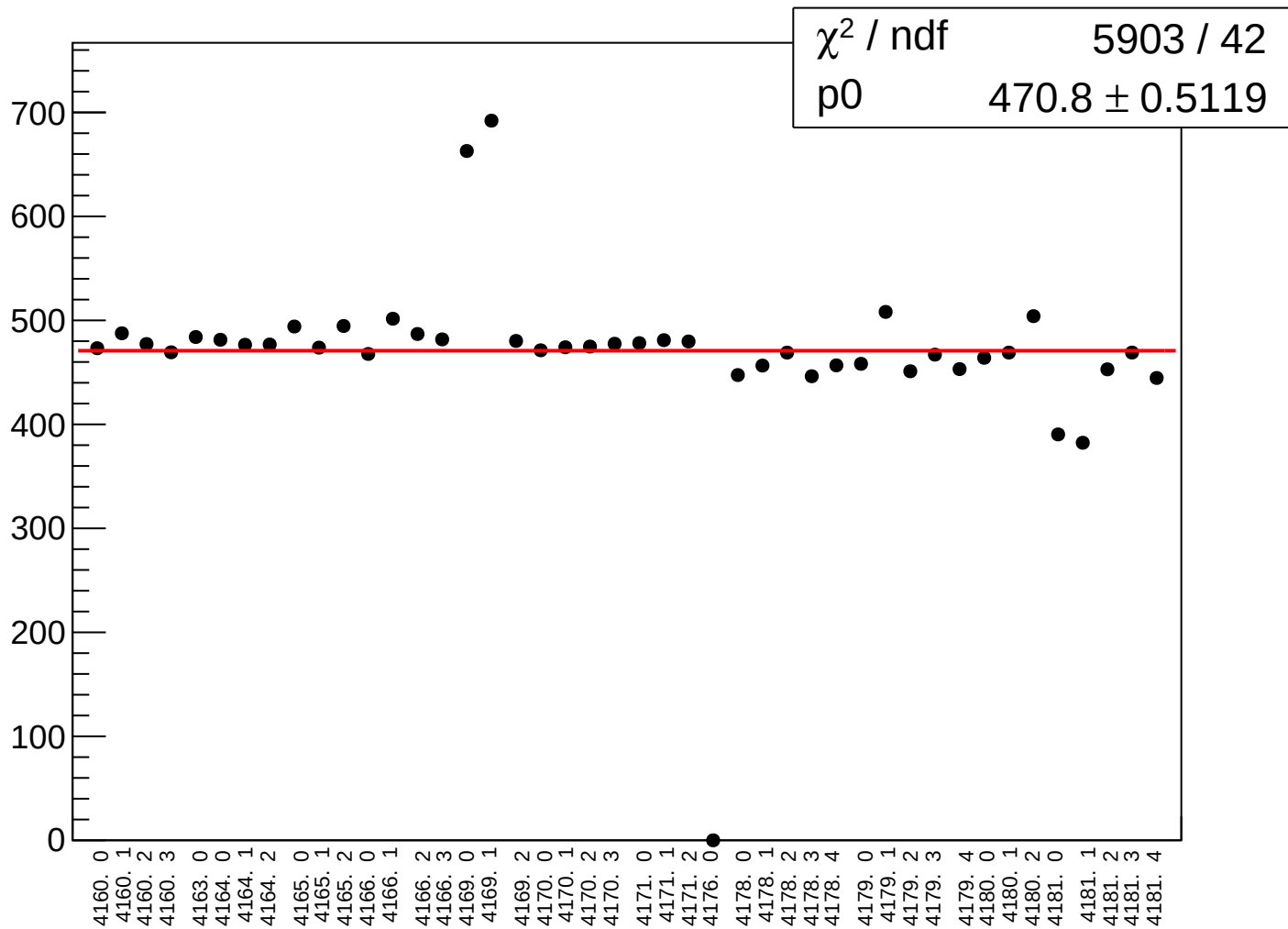




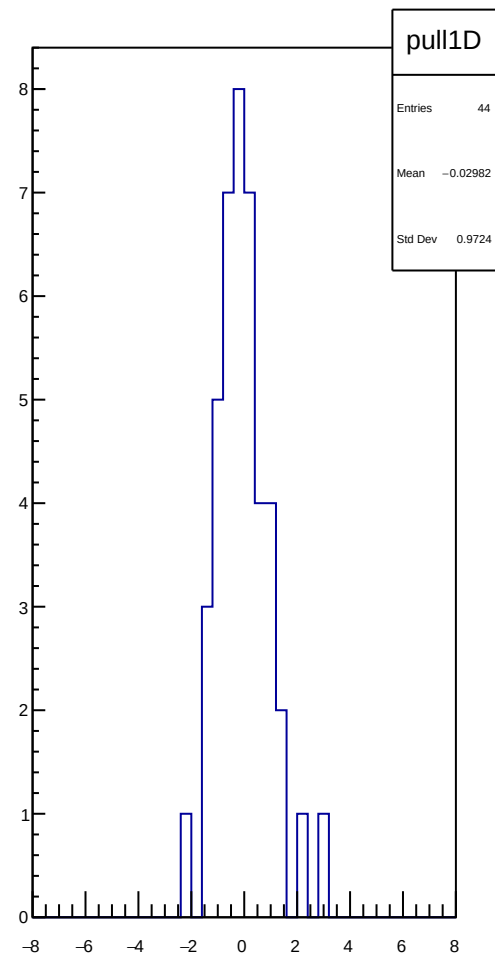
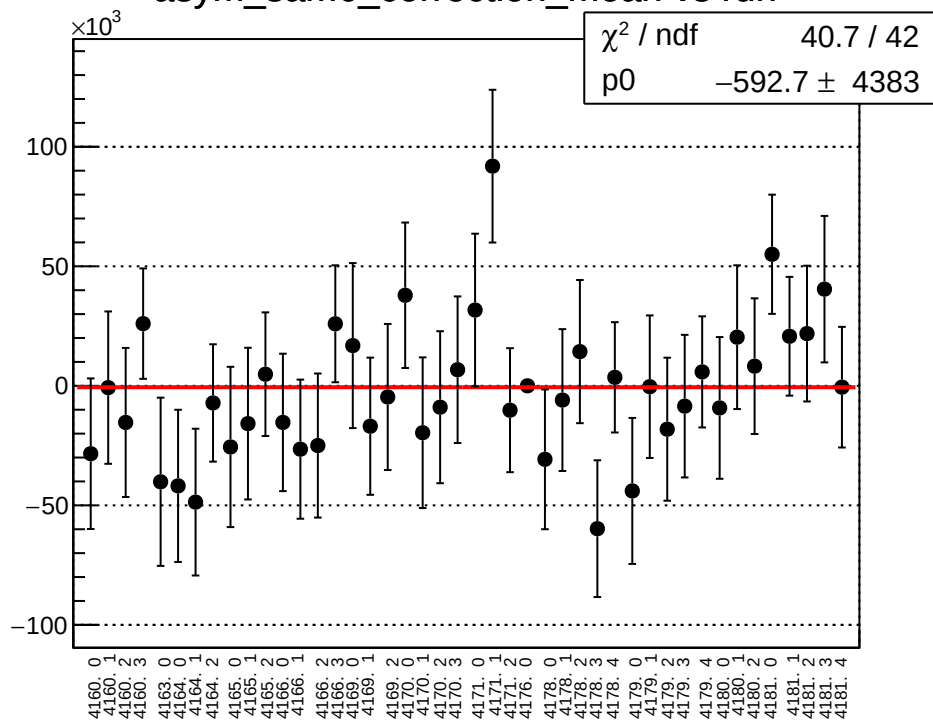
# reg\_asym\_sam6\_mean vs run



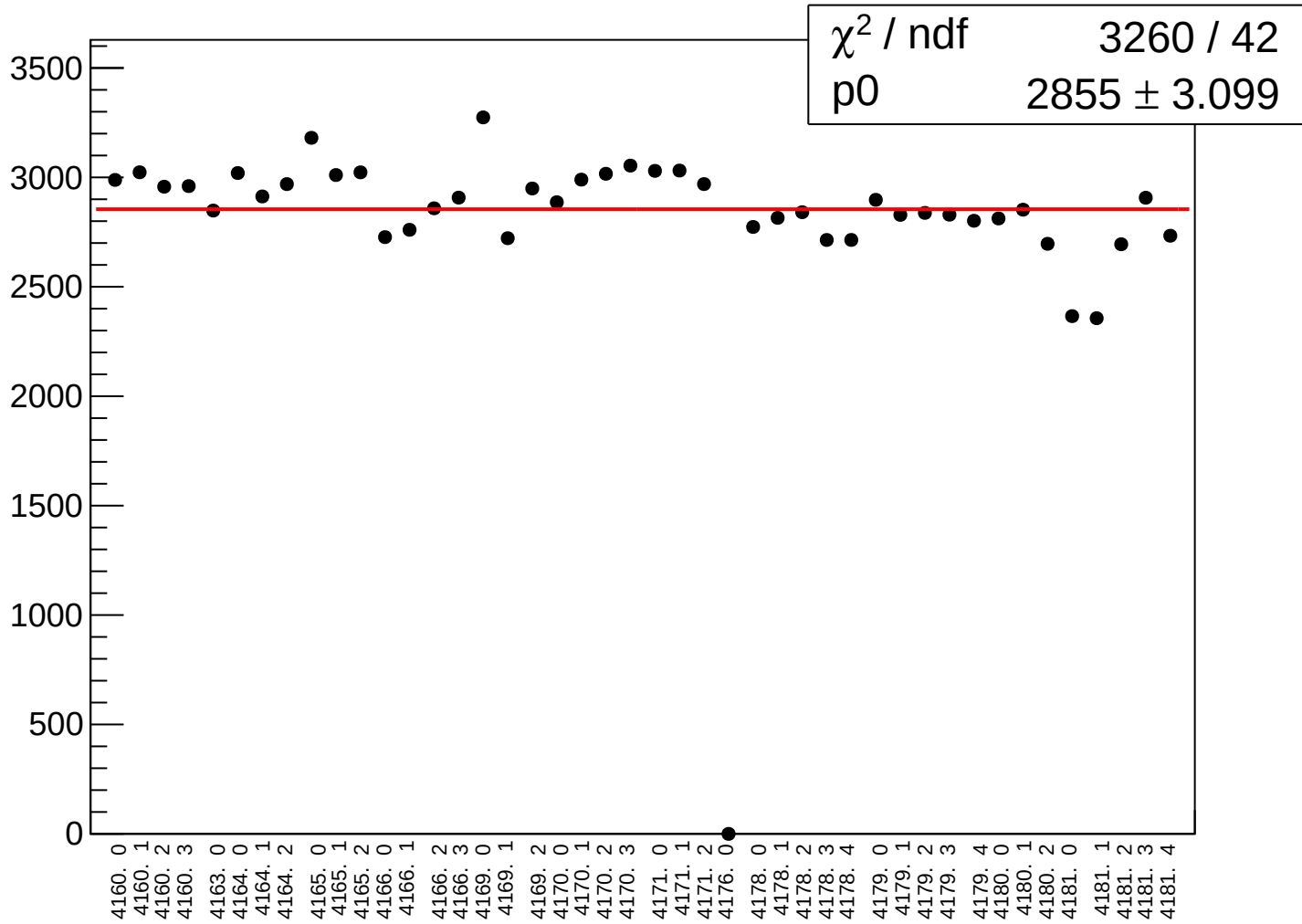
reg\_asym\_sam6\_rms vs run



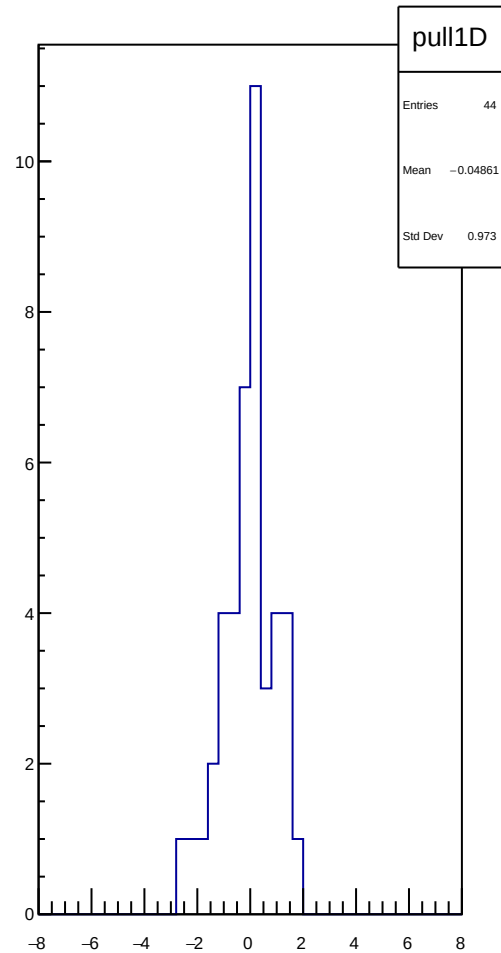
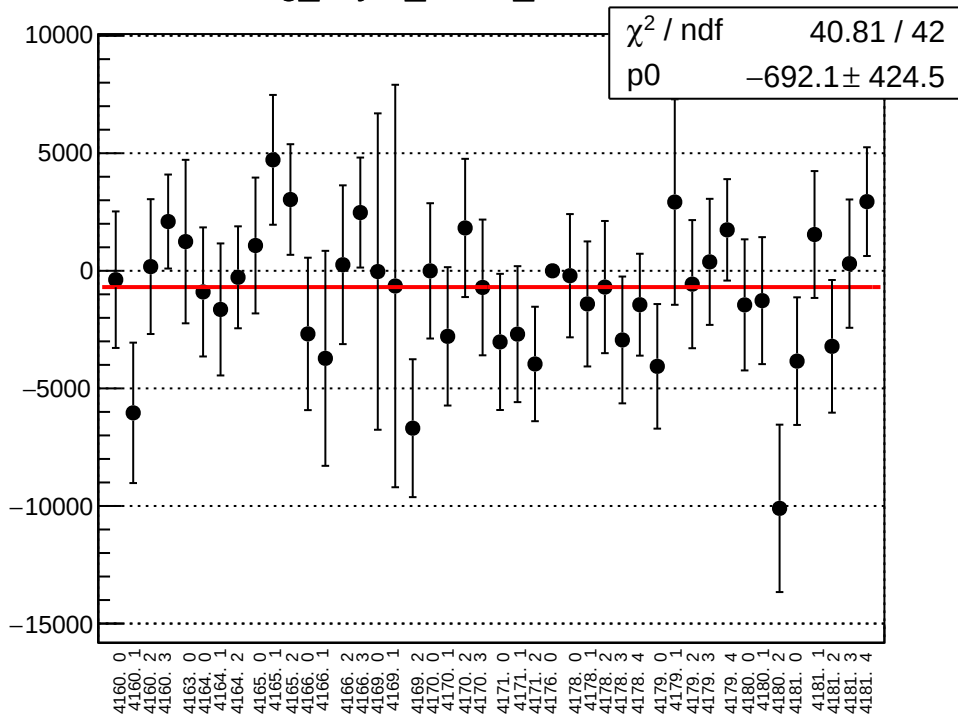
# asym\_sam6\_correction\_mean vs run



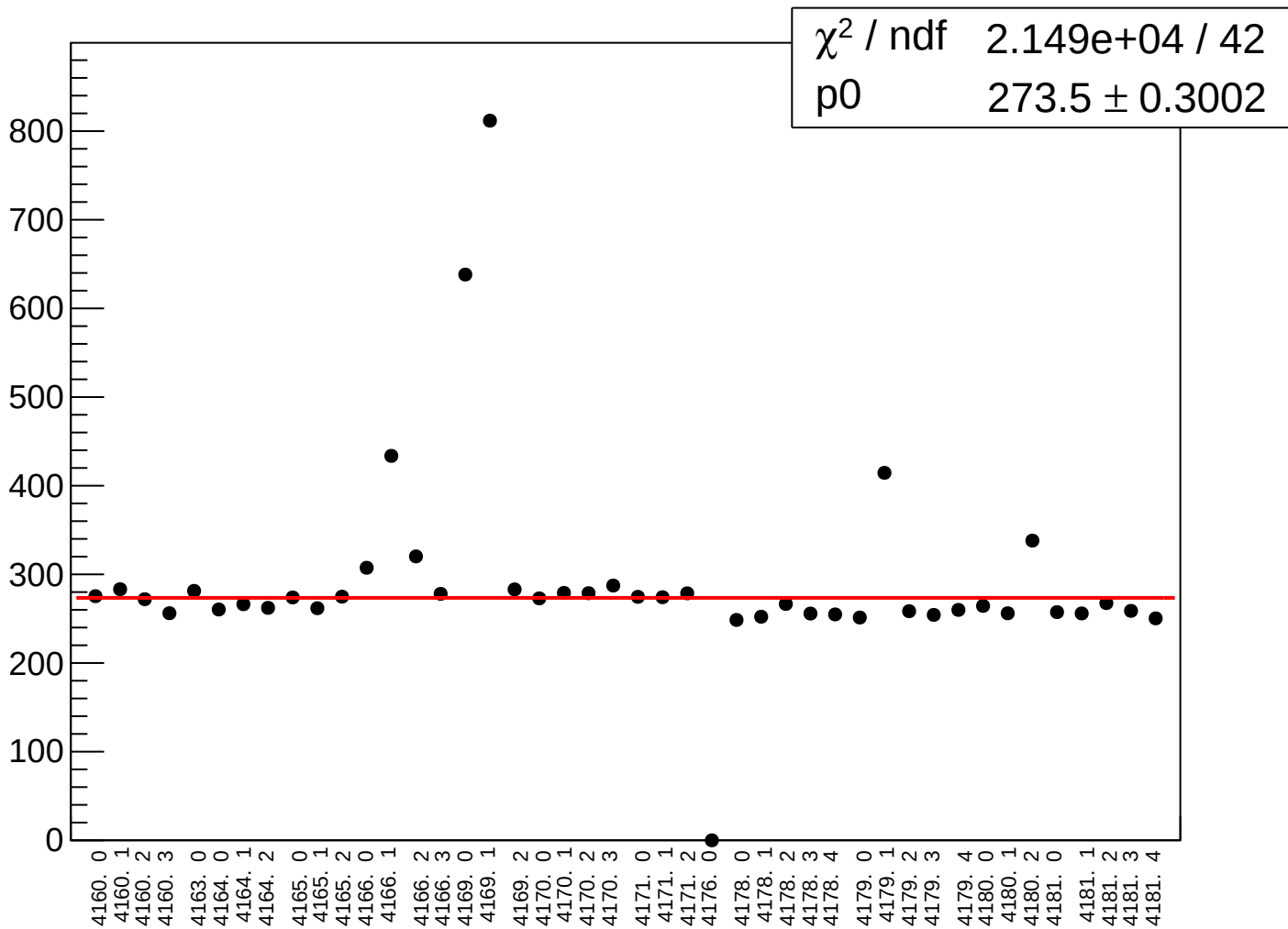
# asym\_sam6\_correction\_rms vs run



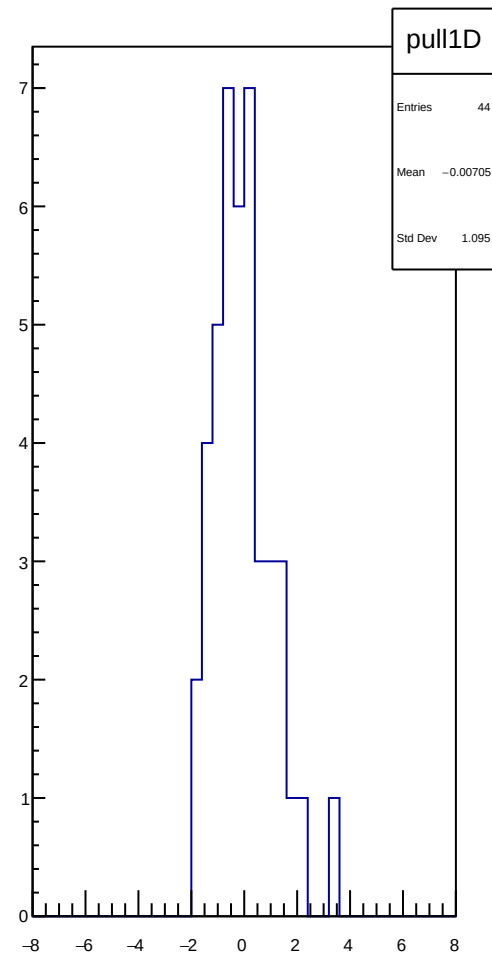
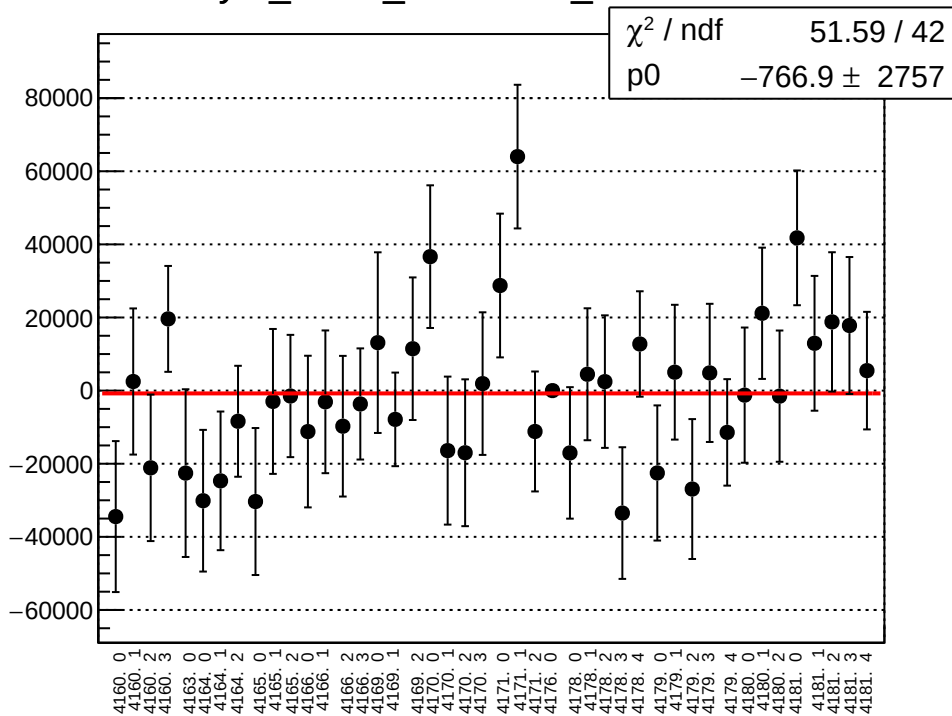
reg\_asym\_sam7\_mean vs run



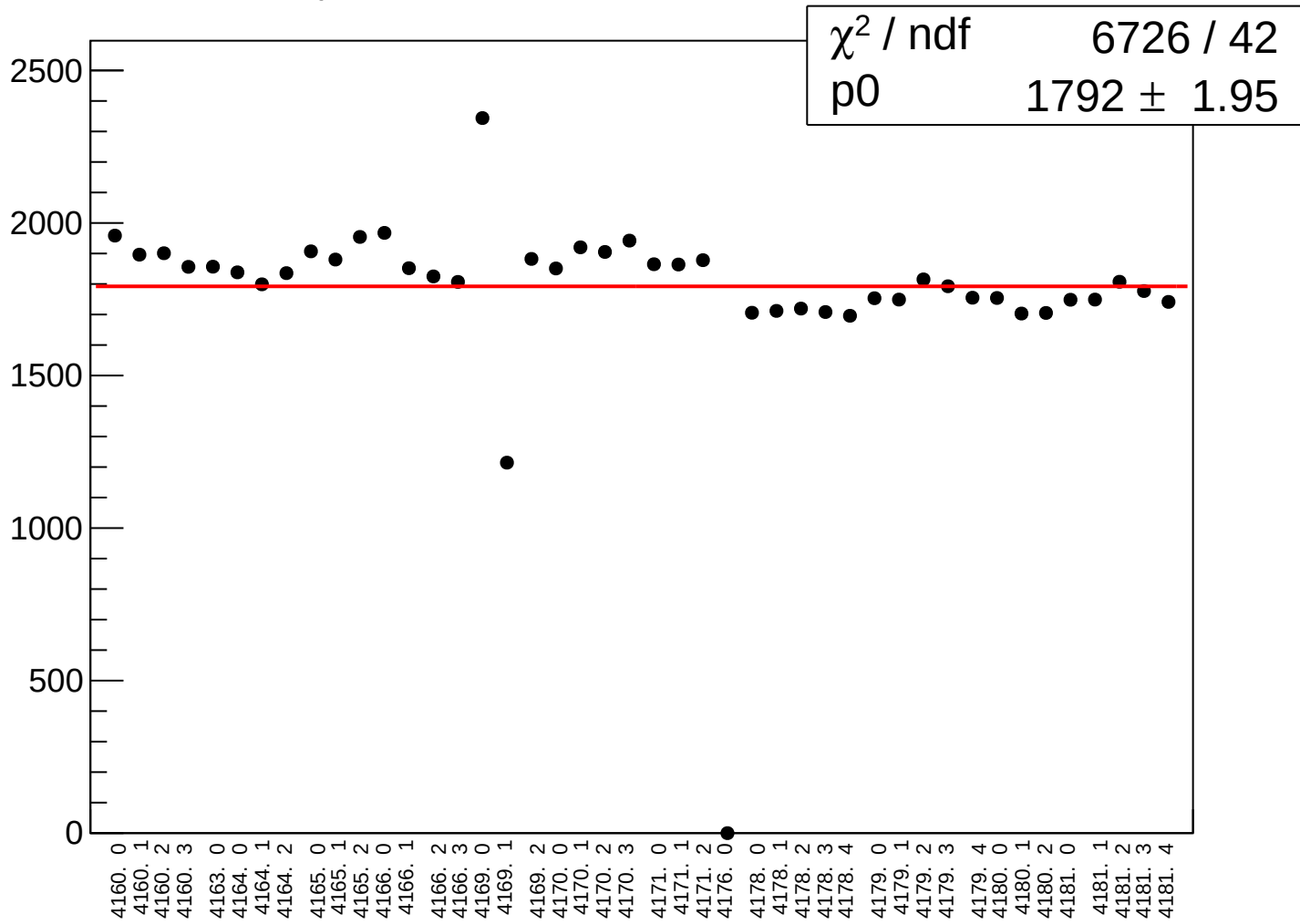
reg\_asym\_sam7\_rms vs run



asym\_sam7\_correction\_mean vs run

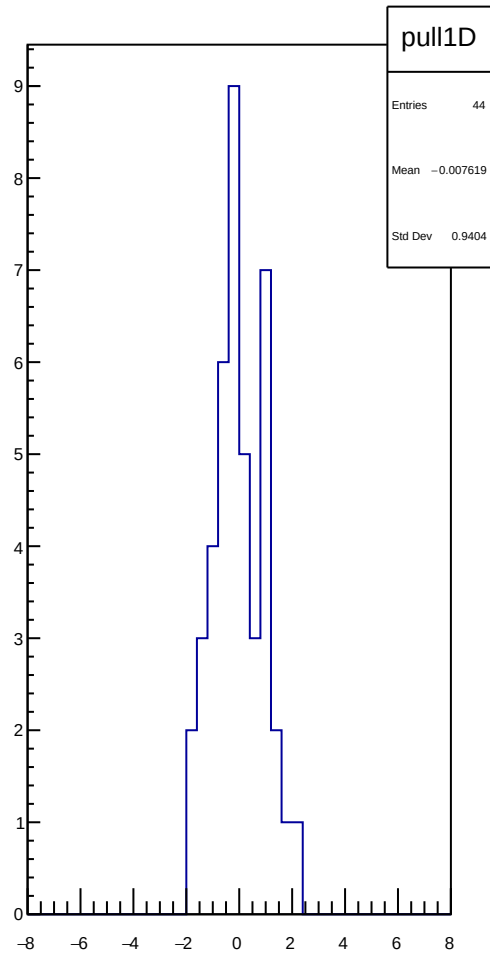
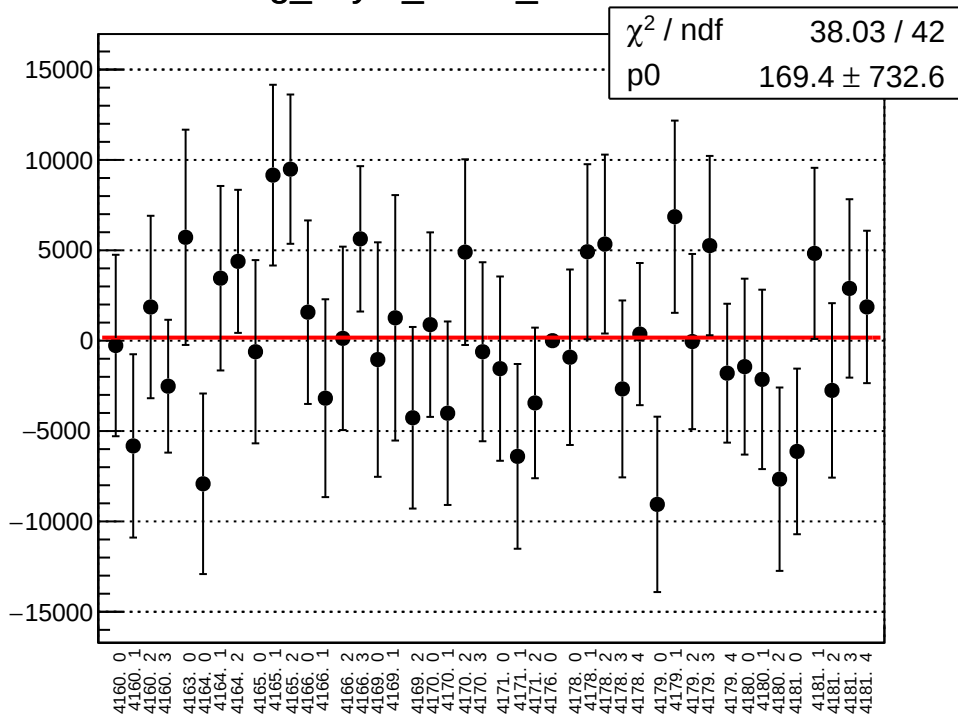


# asym\_sam7\_correction\_rms vs run

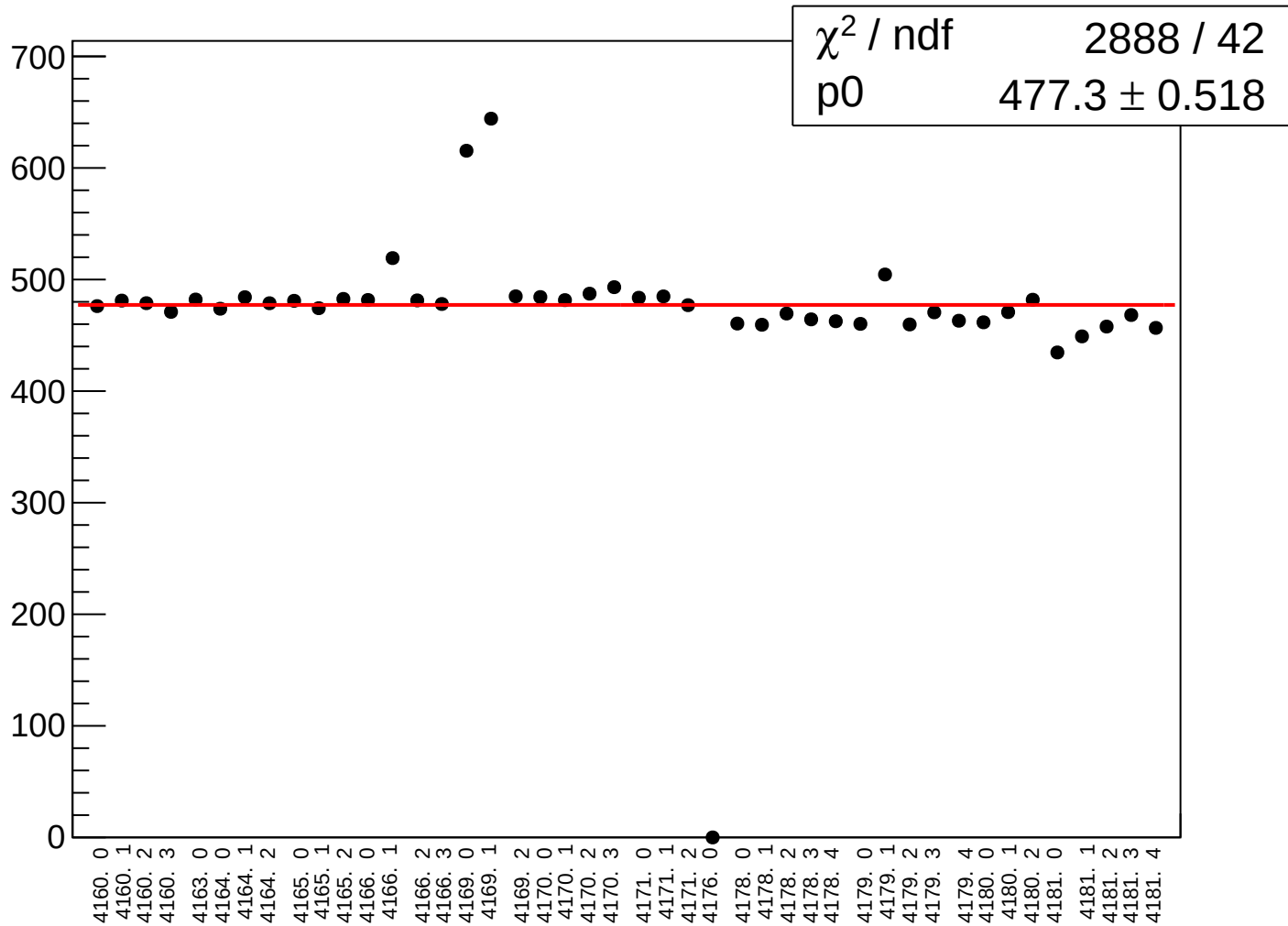




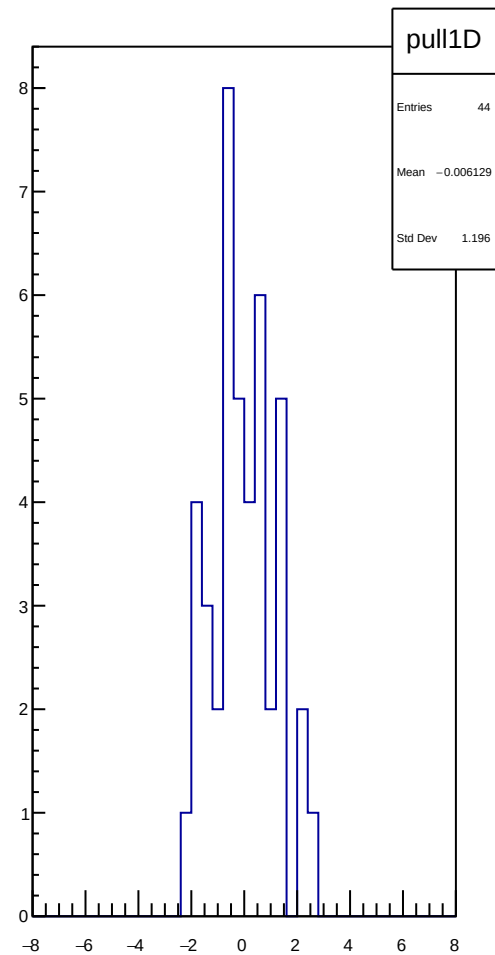
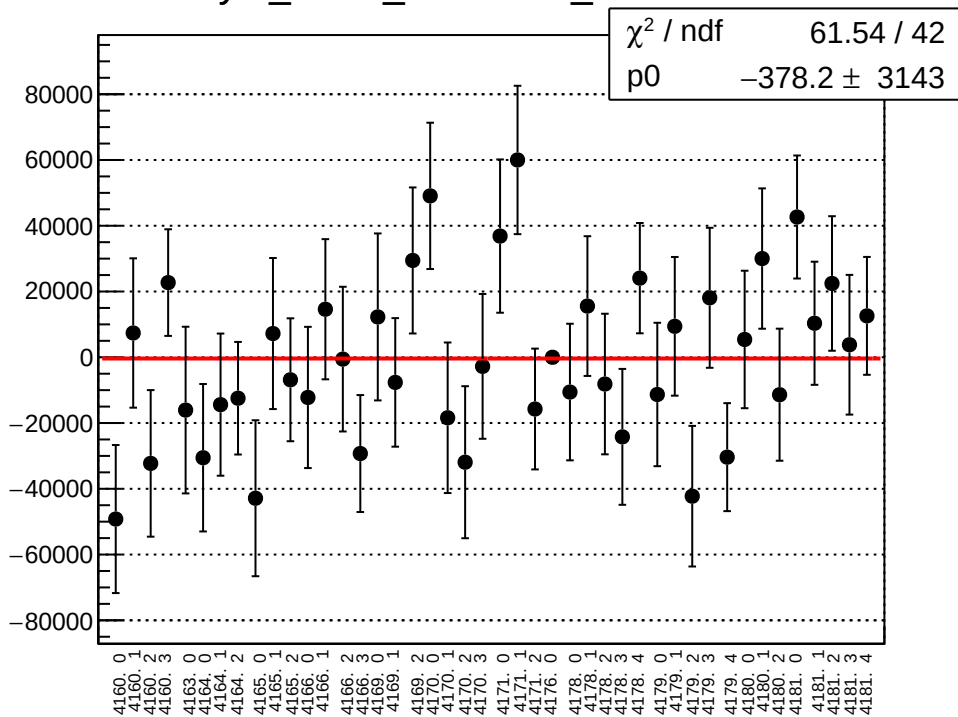
reg\_asym\_sam8\_mean vs run



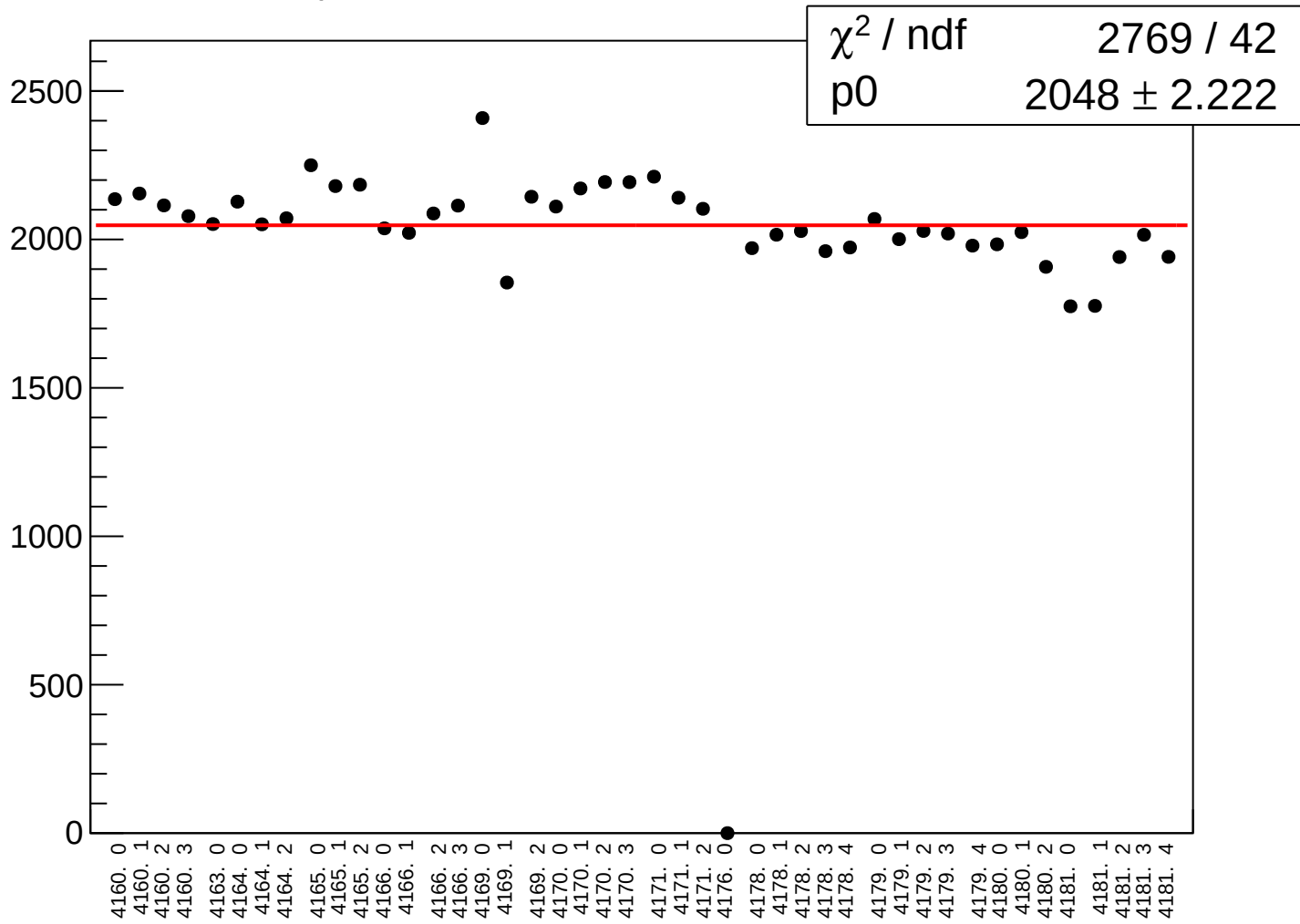
# reg\_asym\_sam8\_rms vs run



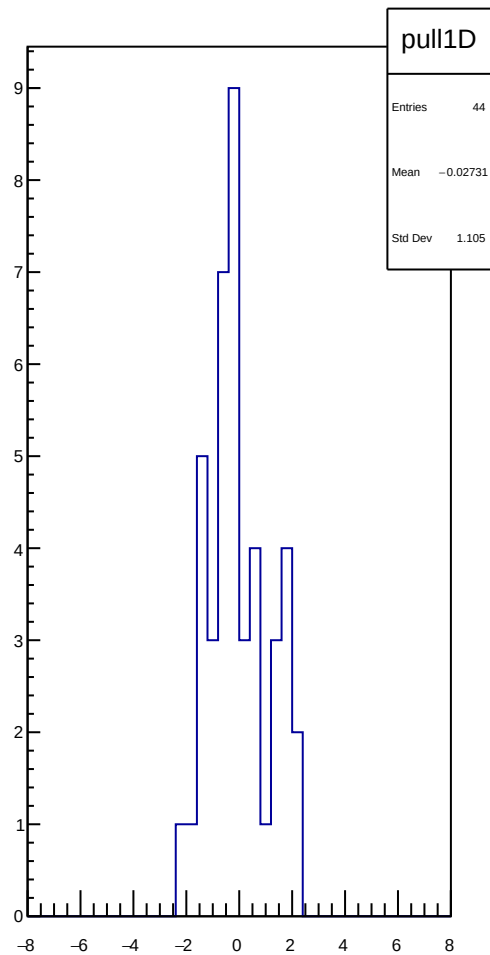
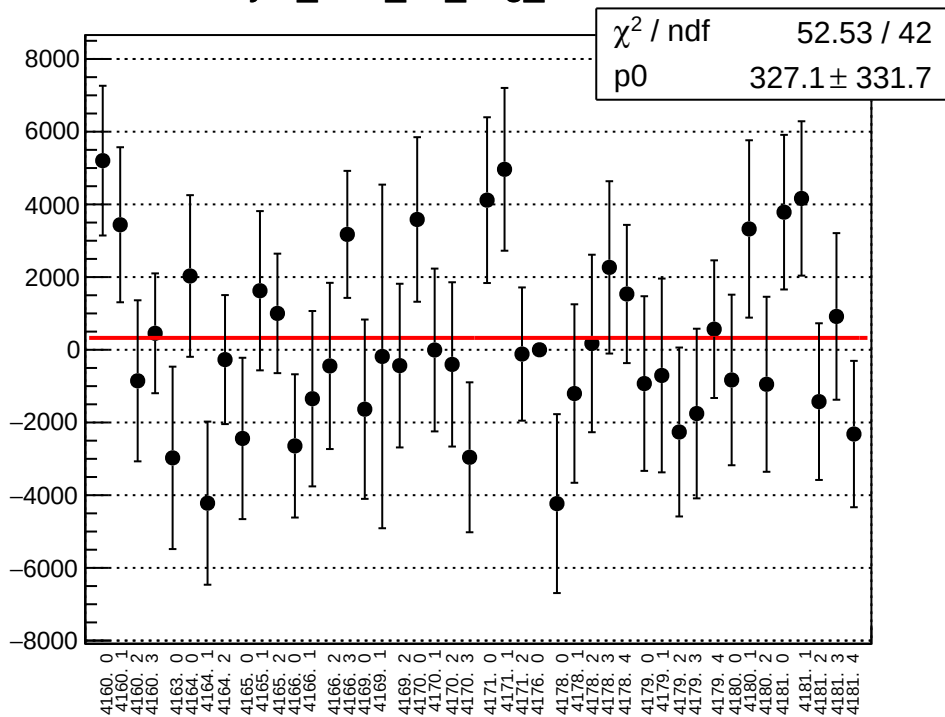
asym\_sam8\_correction\_mean vs run



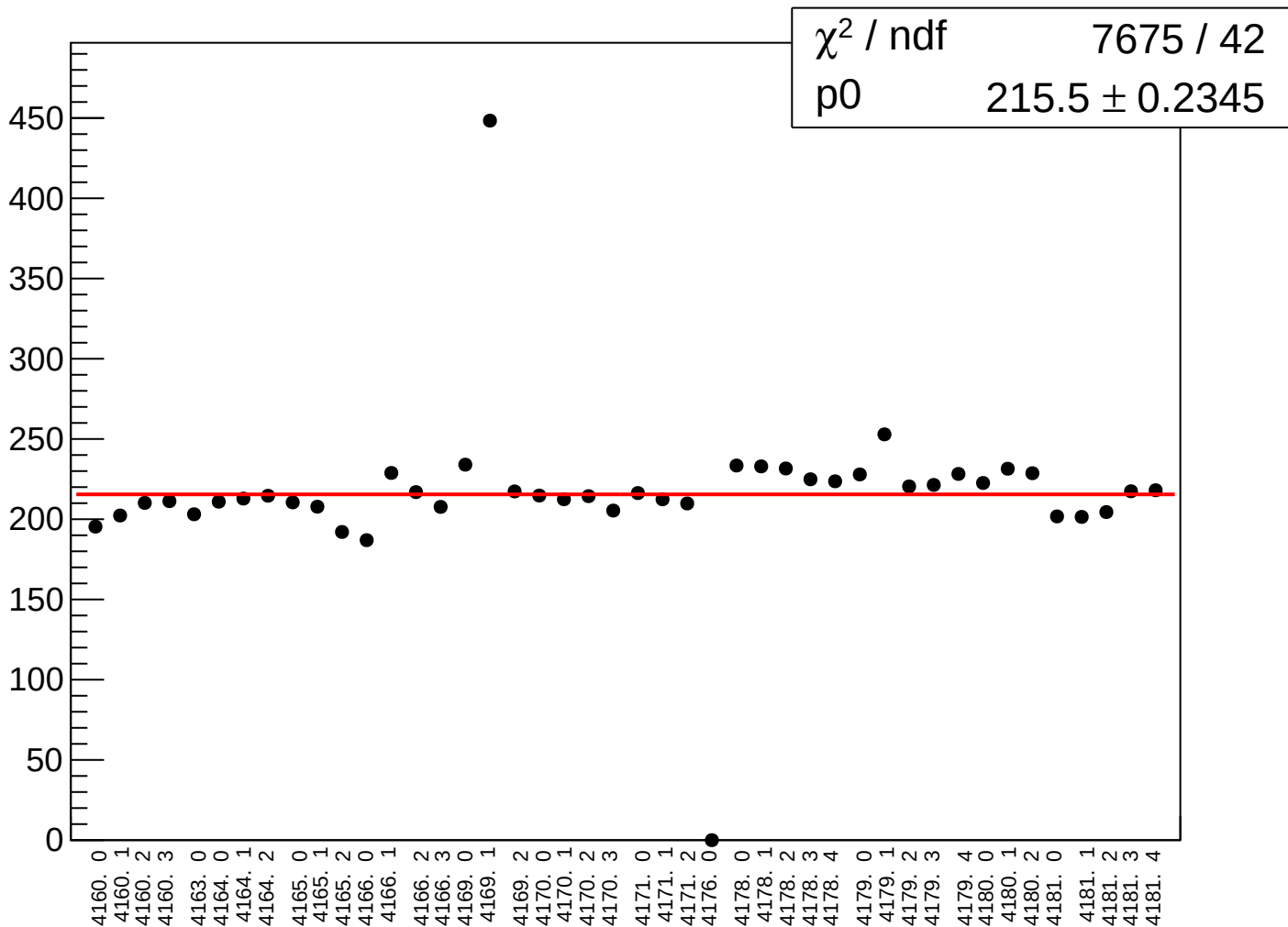
# asym\_sam8\_correction\_rms vs run



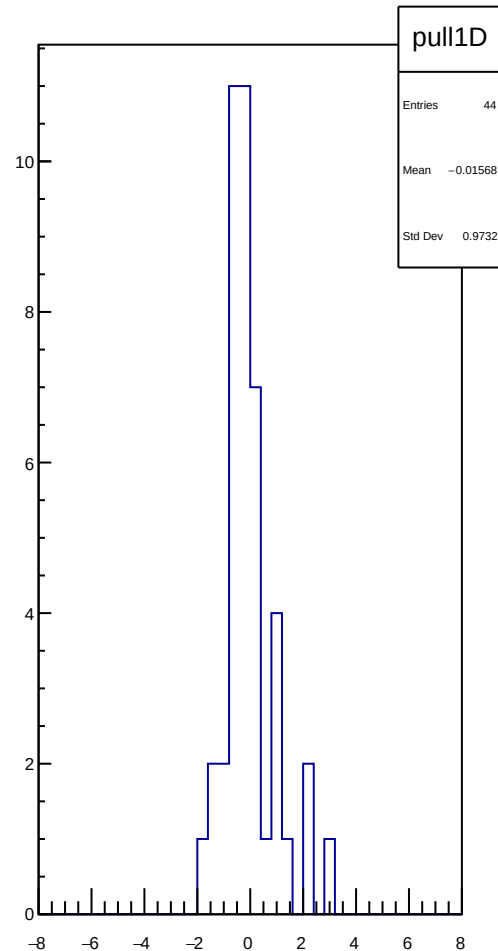
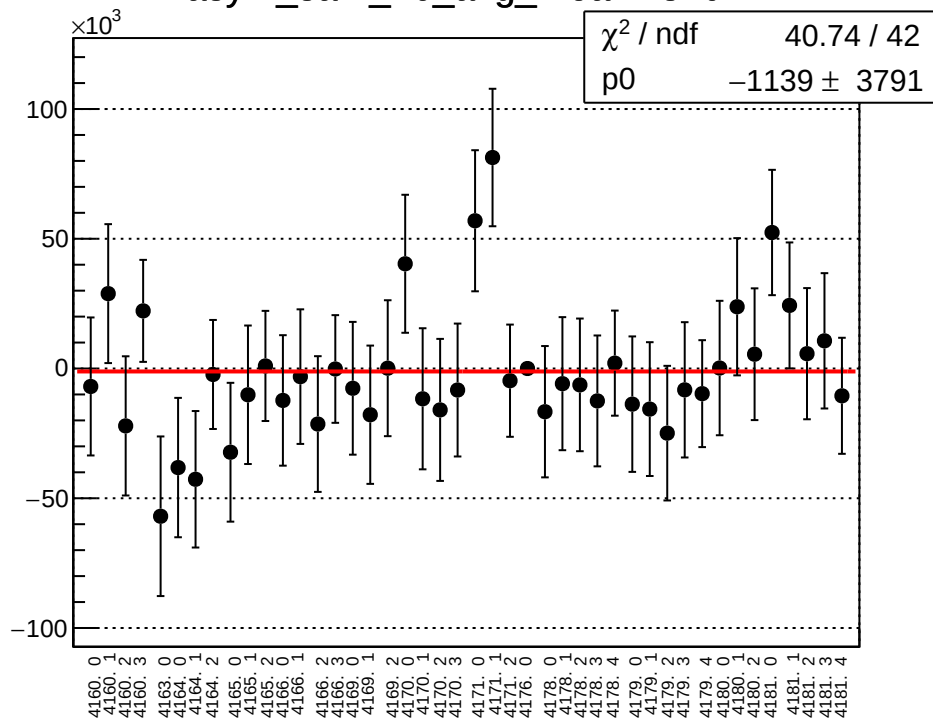
asym\_sam\_15\_avg\_mean vs run



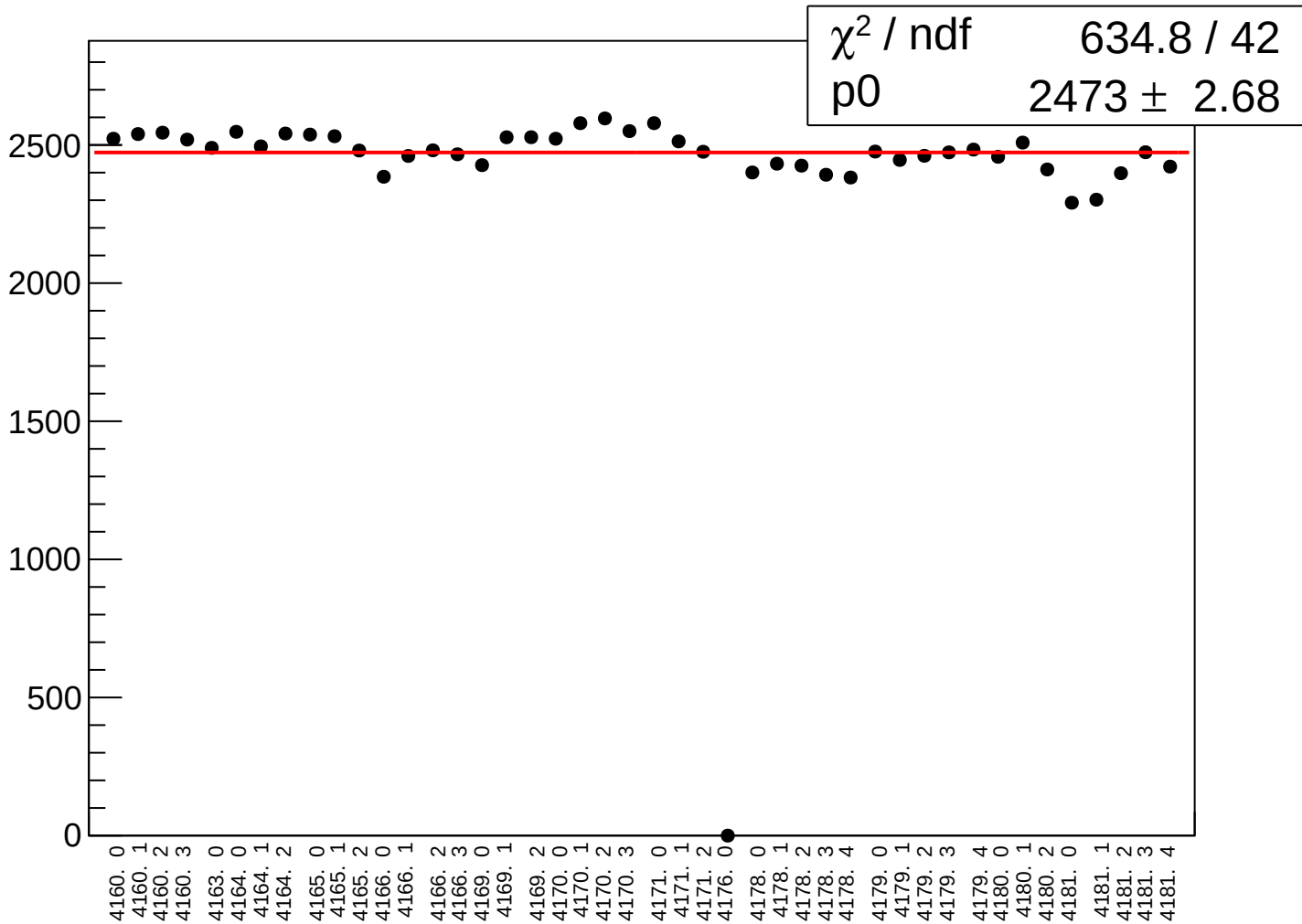
# asym\_sam\_15\_avg\_rms vs run



# asym\_sam\_26\_avg\_mean vs run

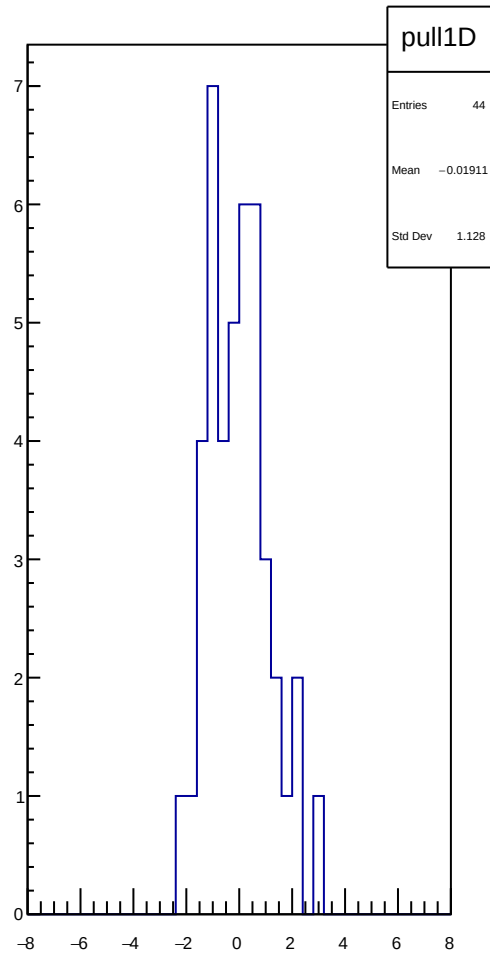
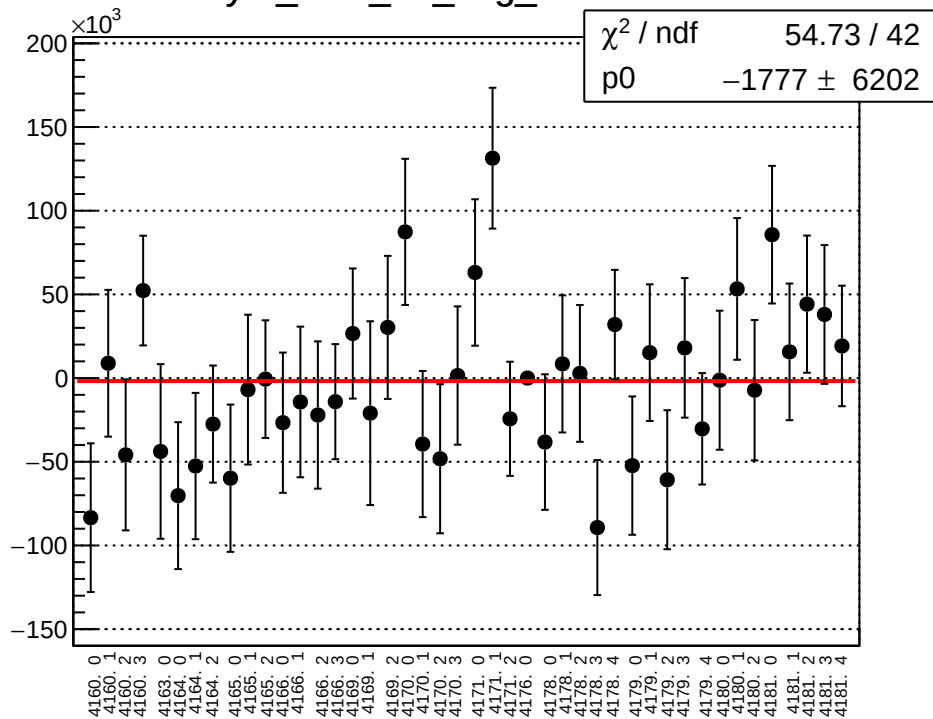


# asym\_sam\_26\_avg\_rms vs run

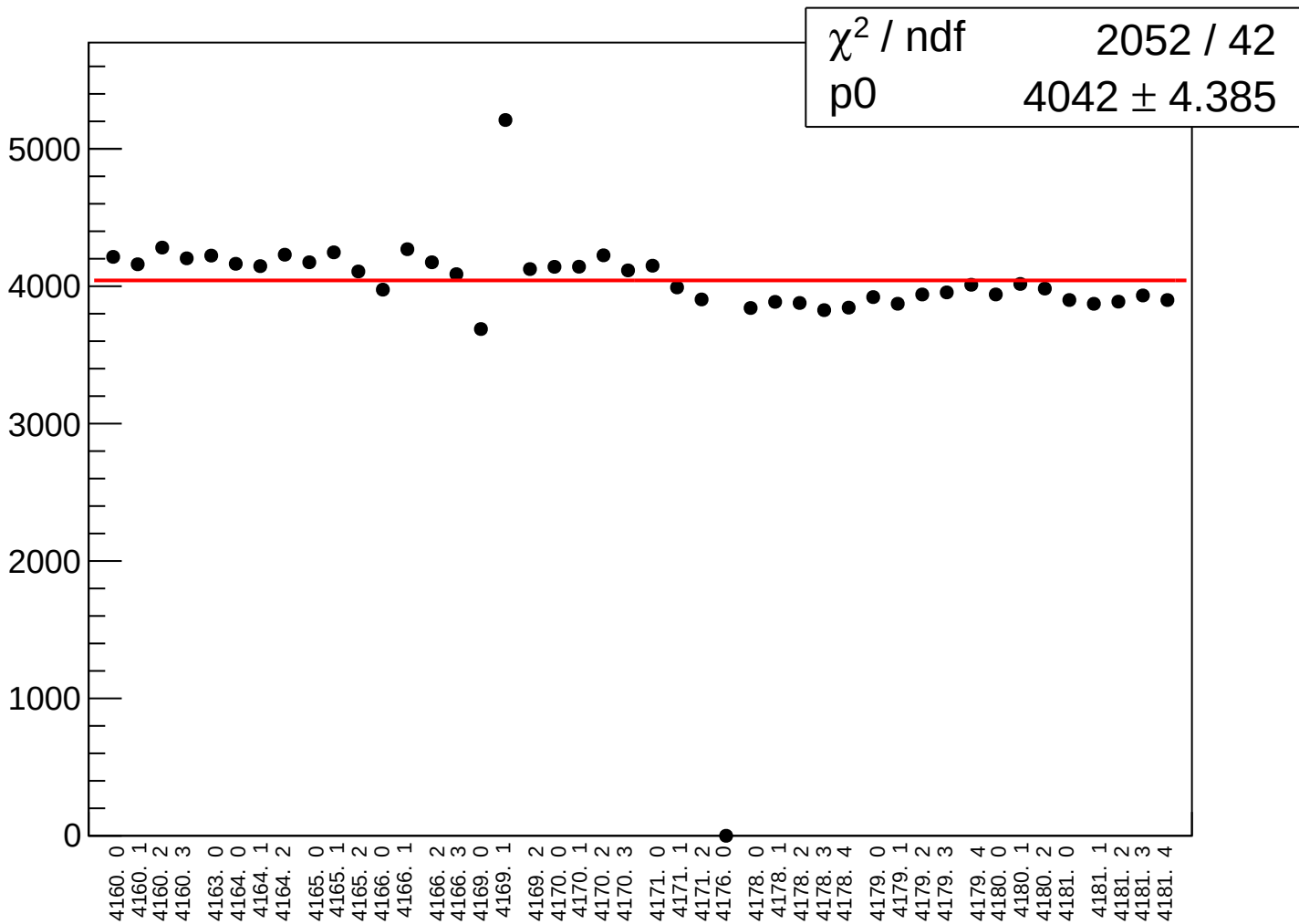




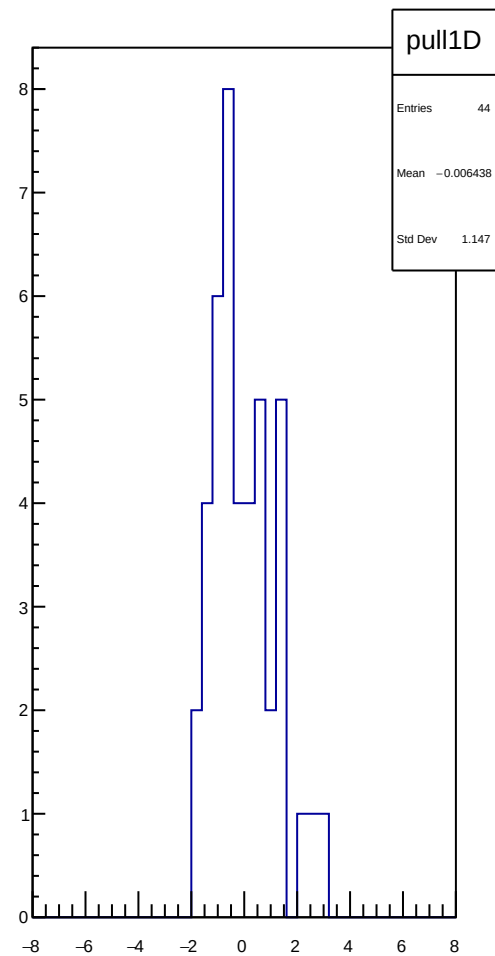
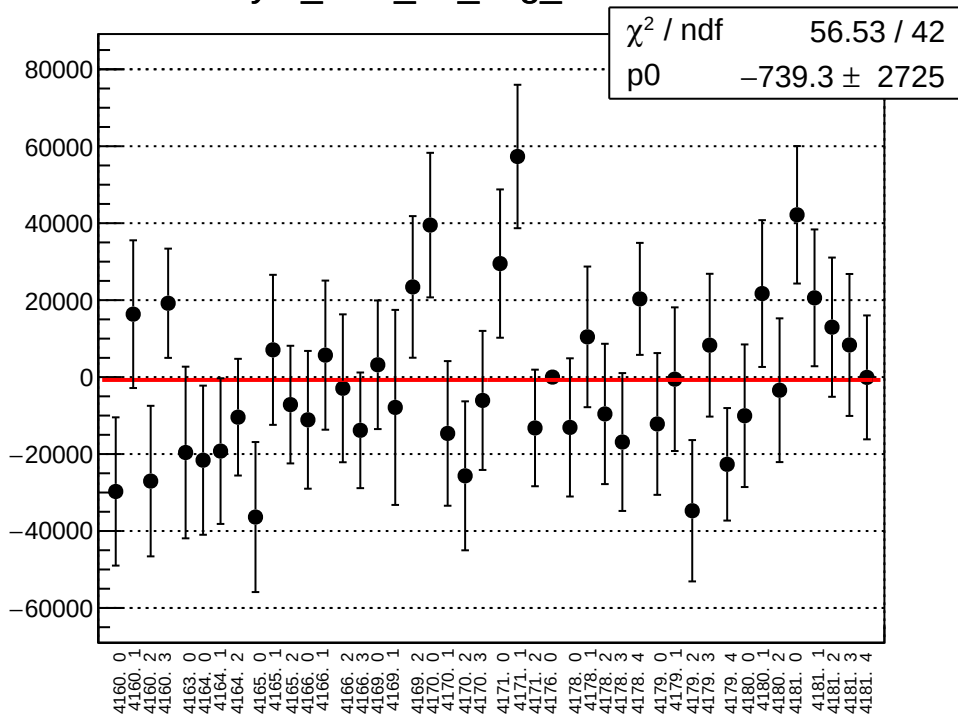
asym\_sam\_37\_avg\_mean vs run



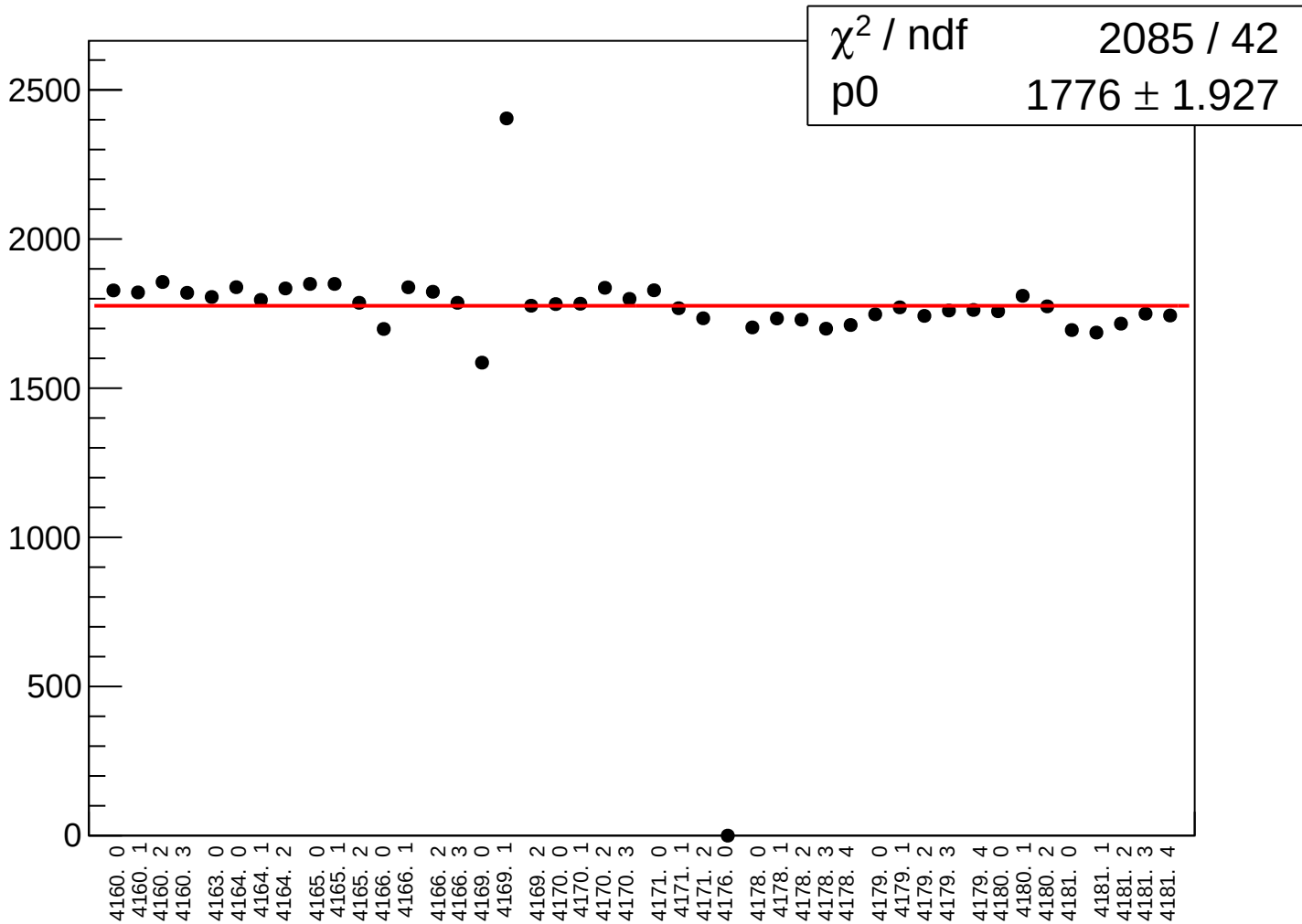
asym\_sam\_37\_avg\_rms vs run



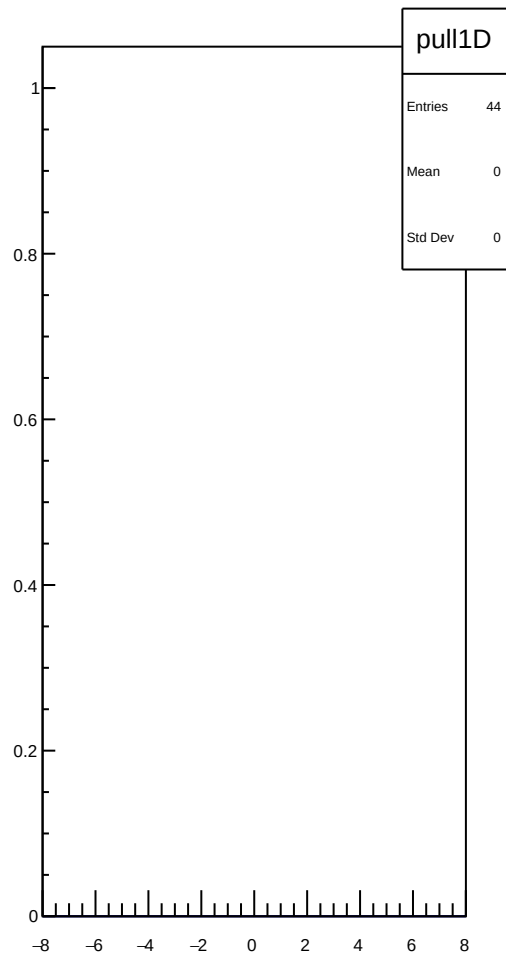
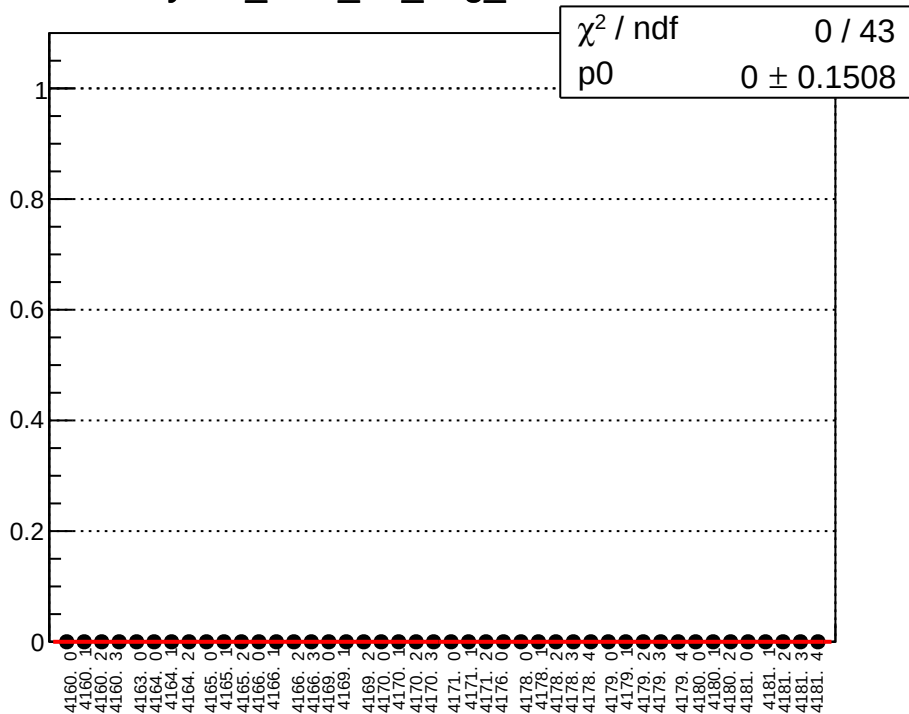
asym\_sam\_48\_avg\_mean vs run



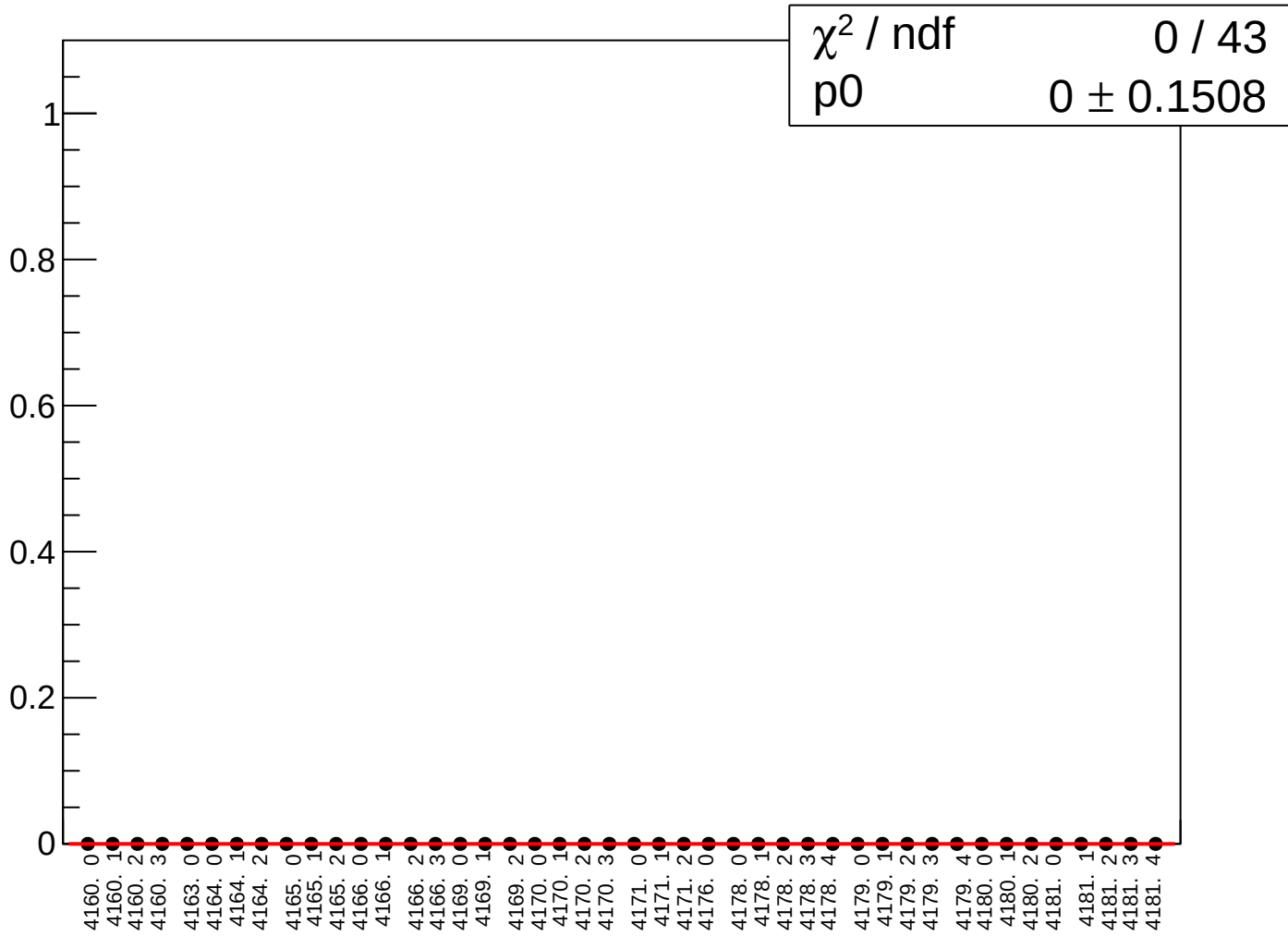
# asym\_sam\_48\_avg\_rms vs run



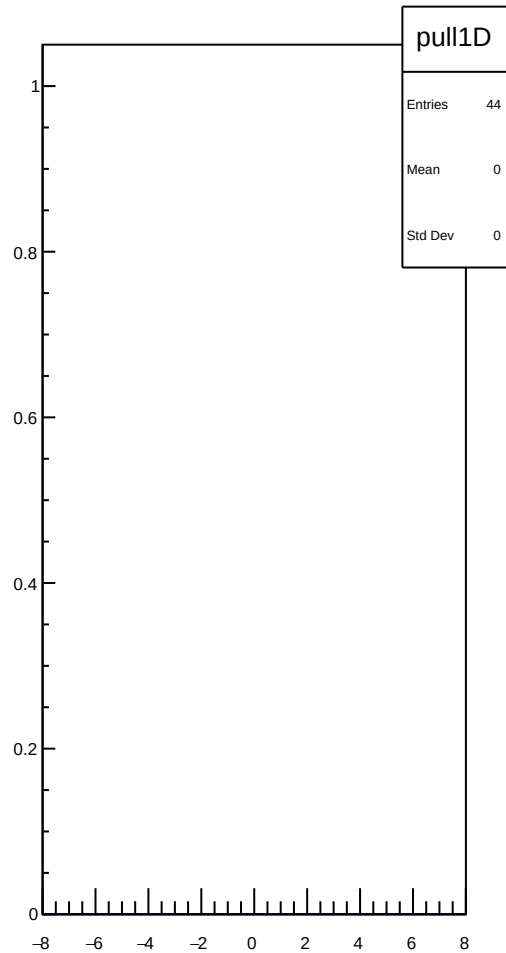
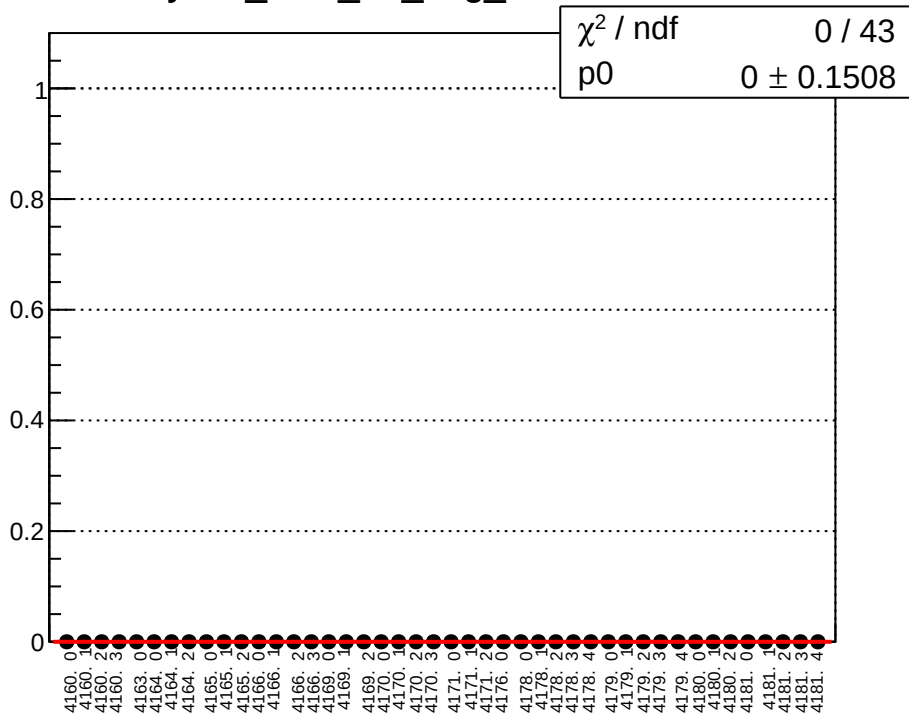
yield\_sam\_15\_avg\_mean vs run



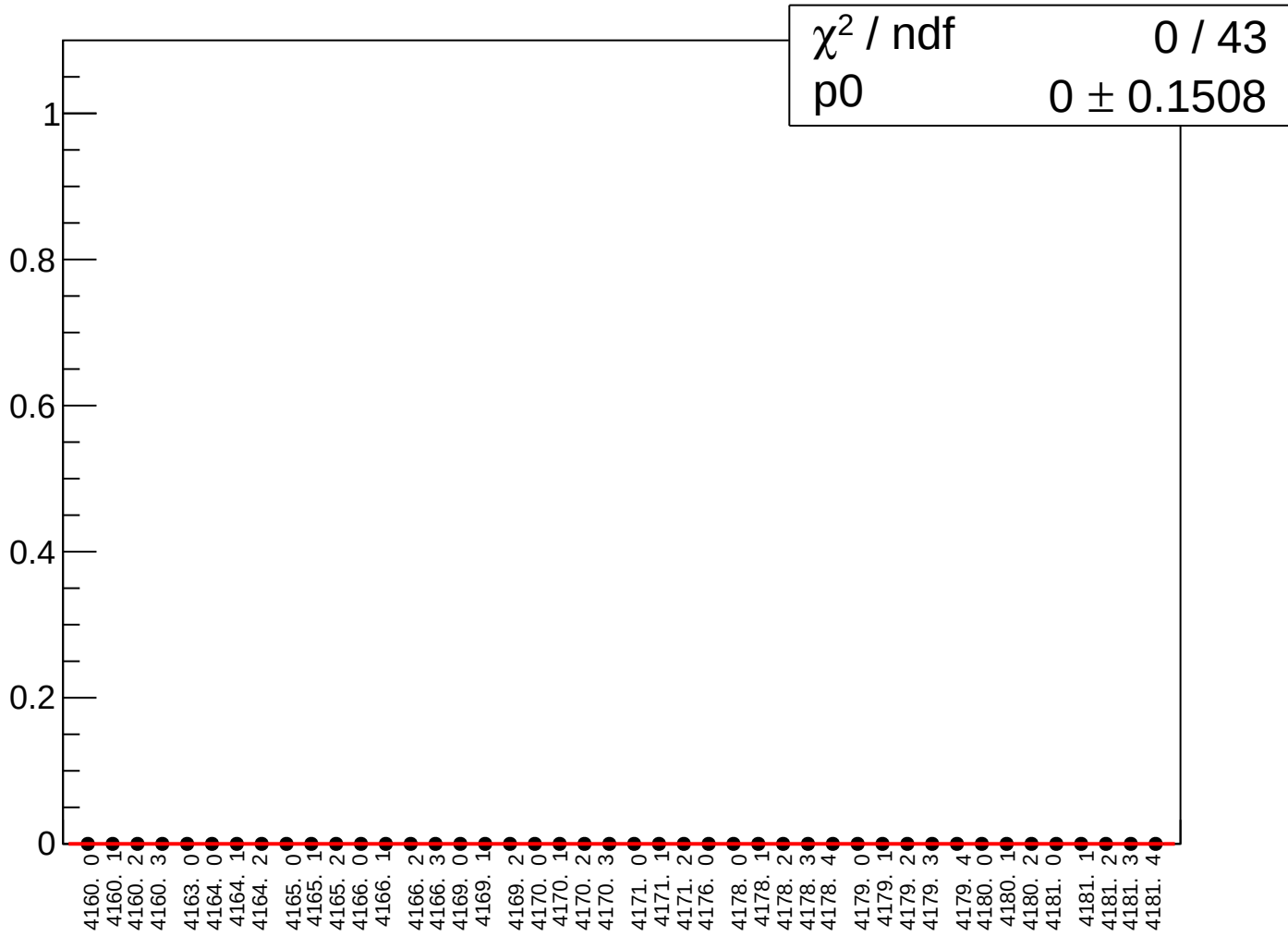
# yield\_sam\_15\_avg\_rms vs run



yield\_sam\_26\_avg\_mean vs run

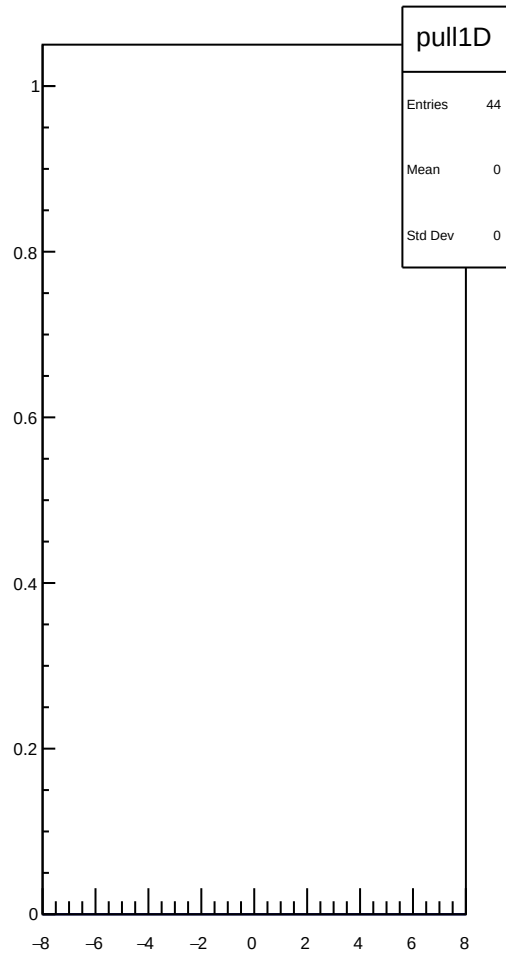
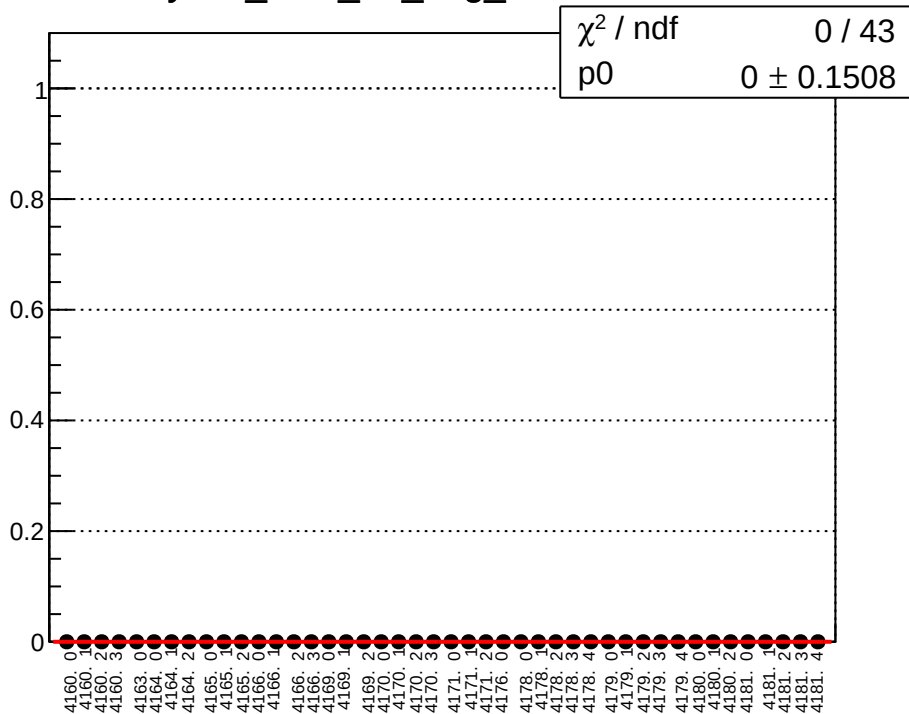


# yield\_sam\_26\_avg\_rms vs run

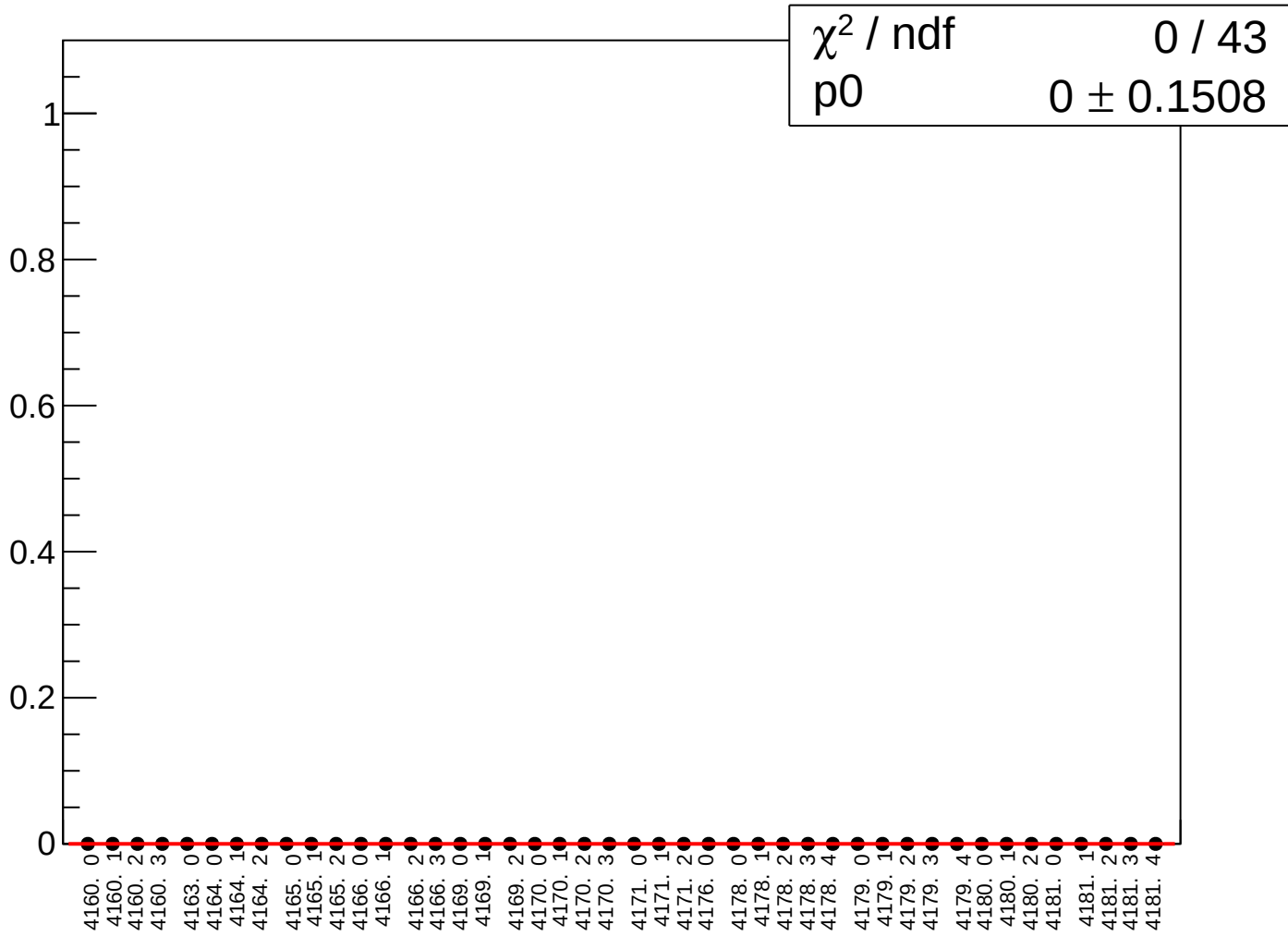




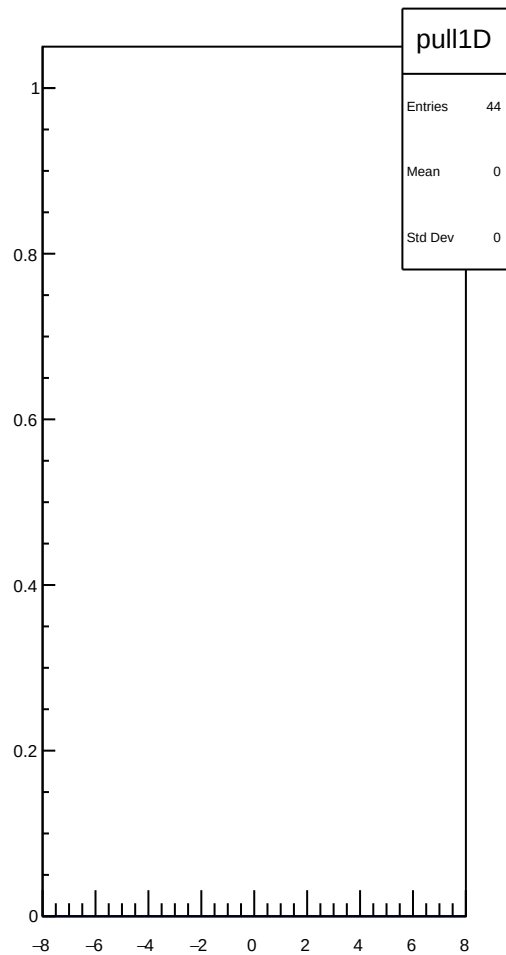
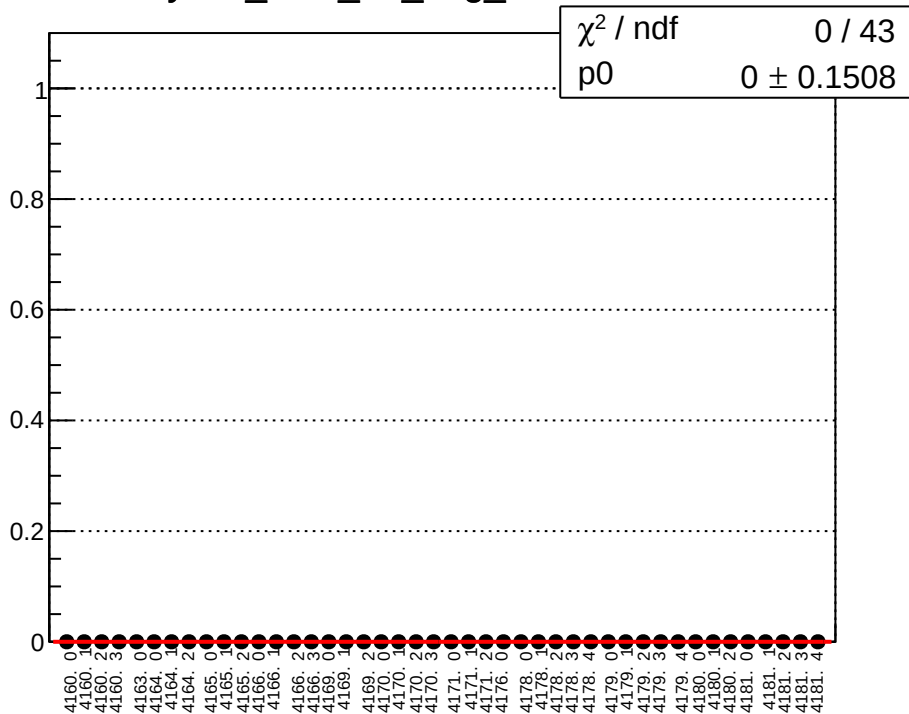
yield\_sam\_37\_avg\_mean vs run



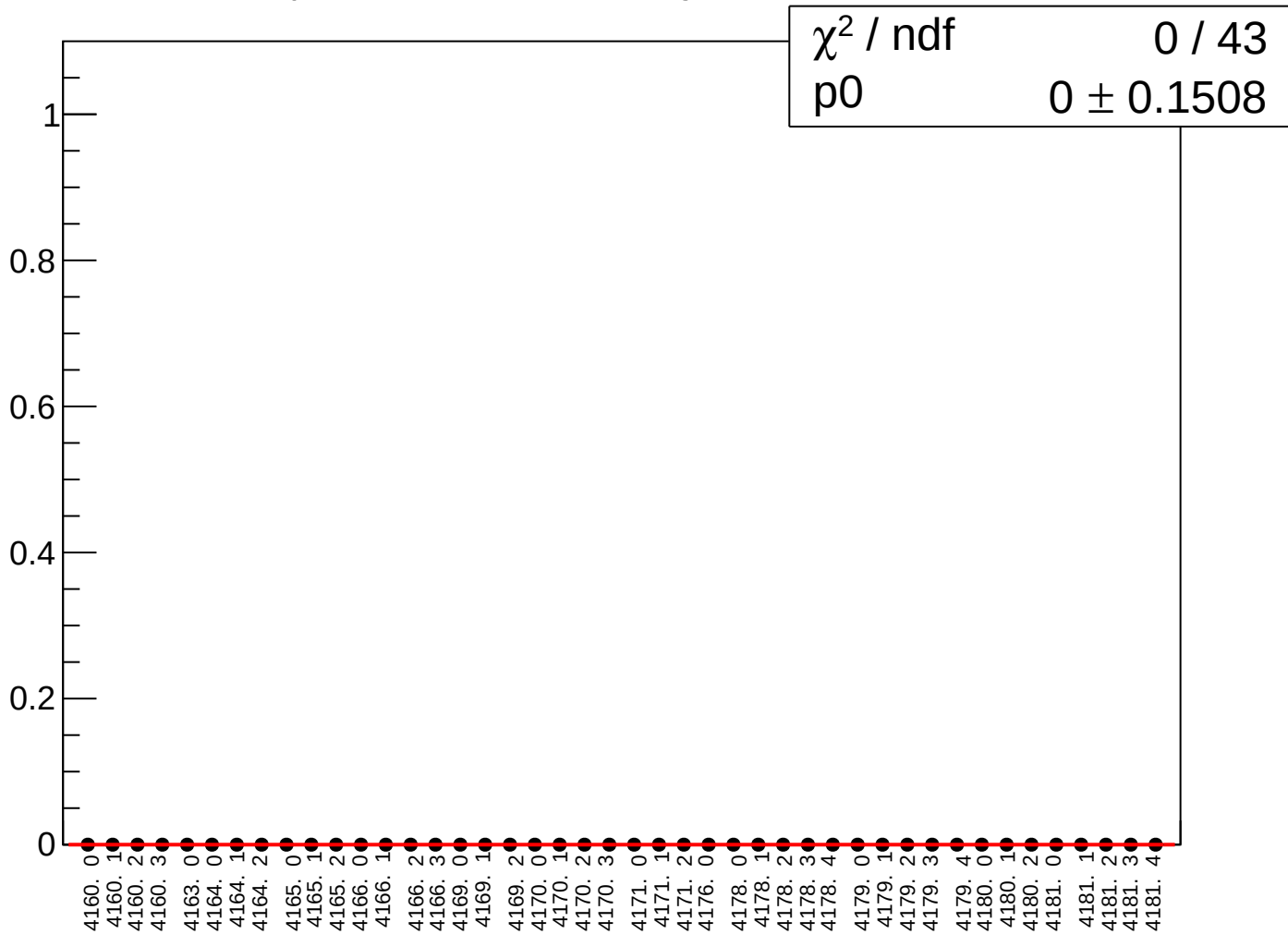
# yield\_sam\_37\_avg\_rms vs run



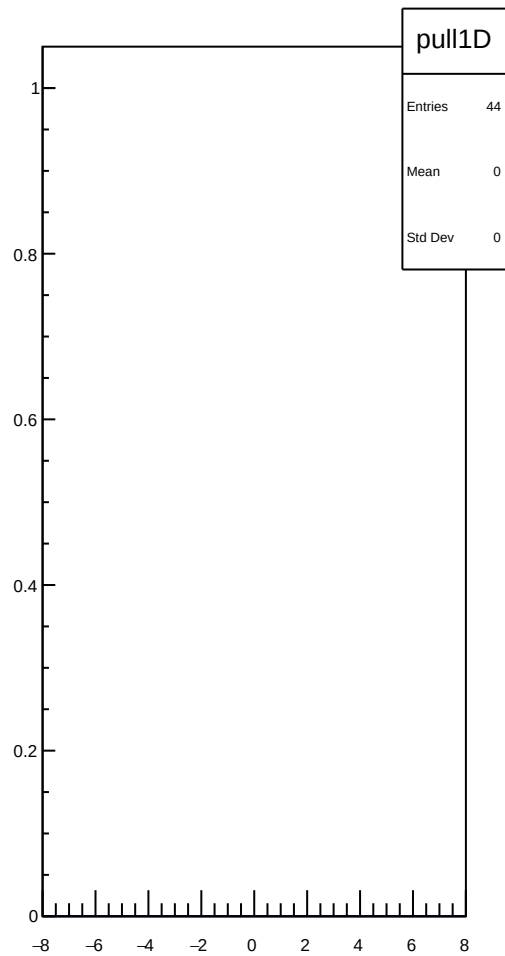
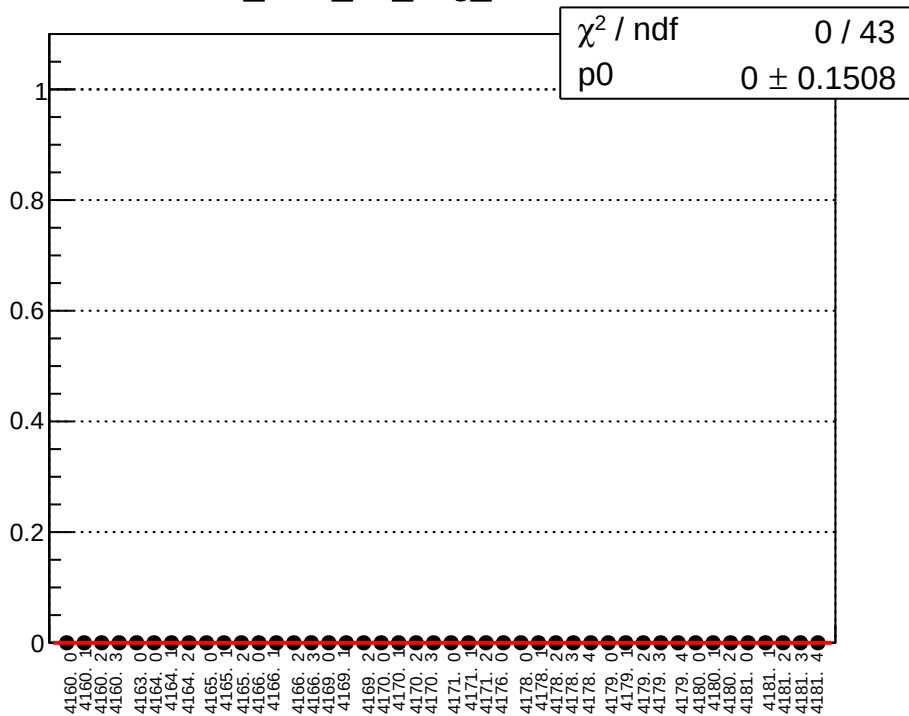
yield\_sam\_48\_avg\_mean vs run



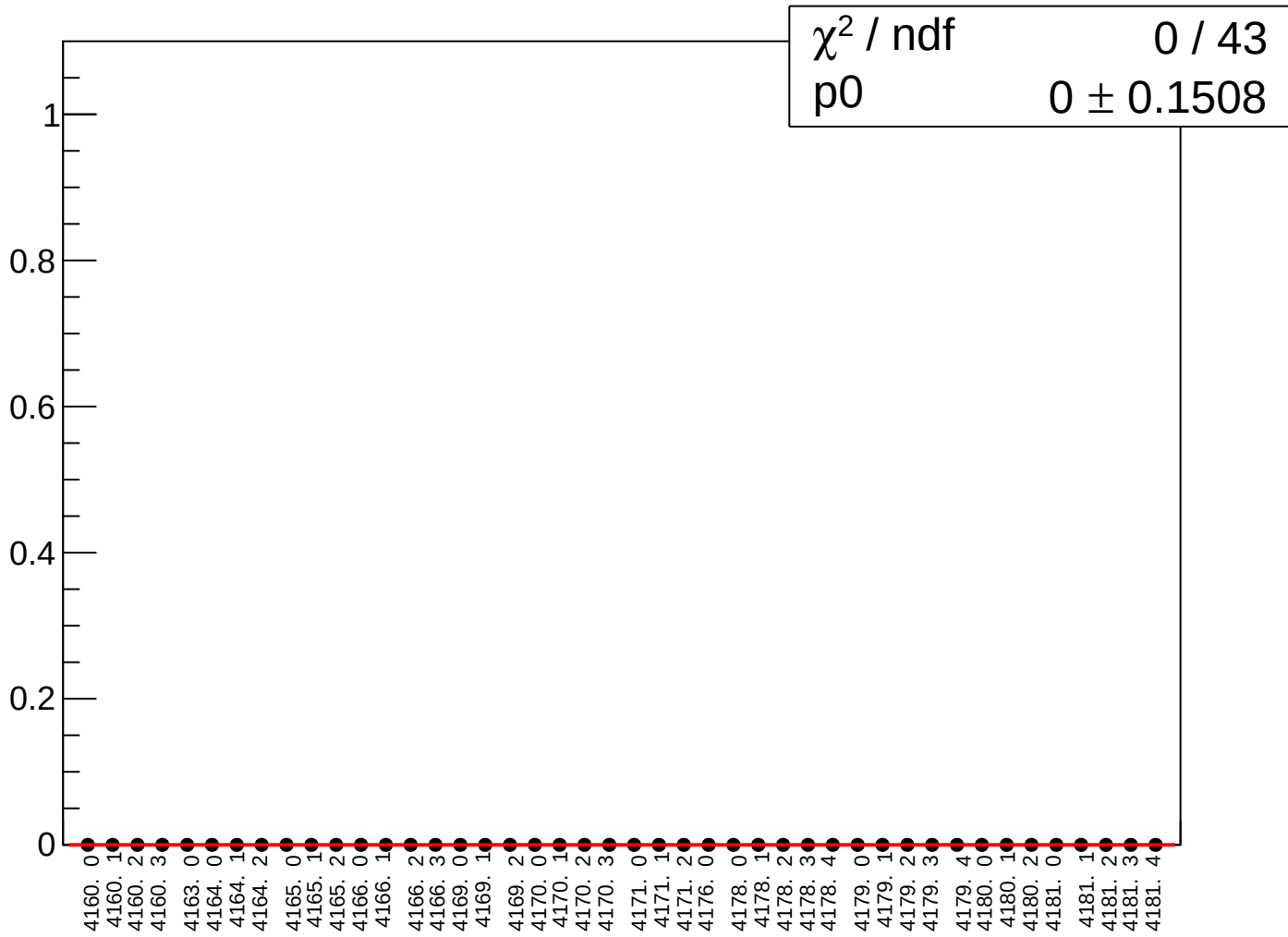
# yield\_sam\_48\_avg\_rms vs run



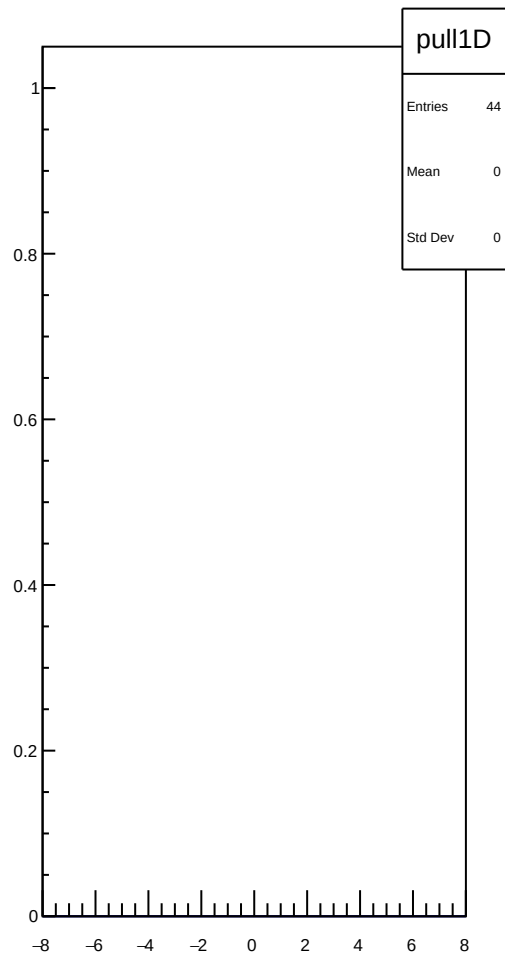
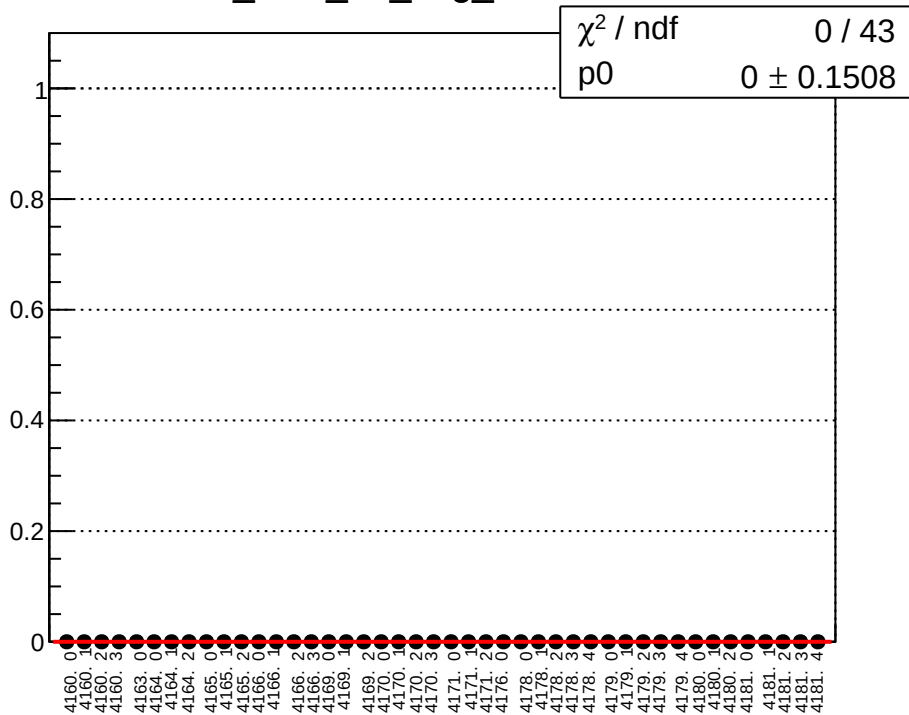
cor\_sam\_15\_avg\_mean vs run



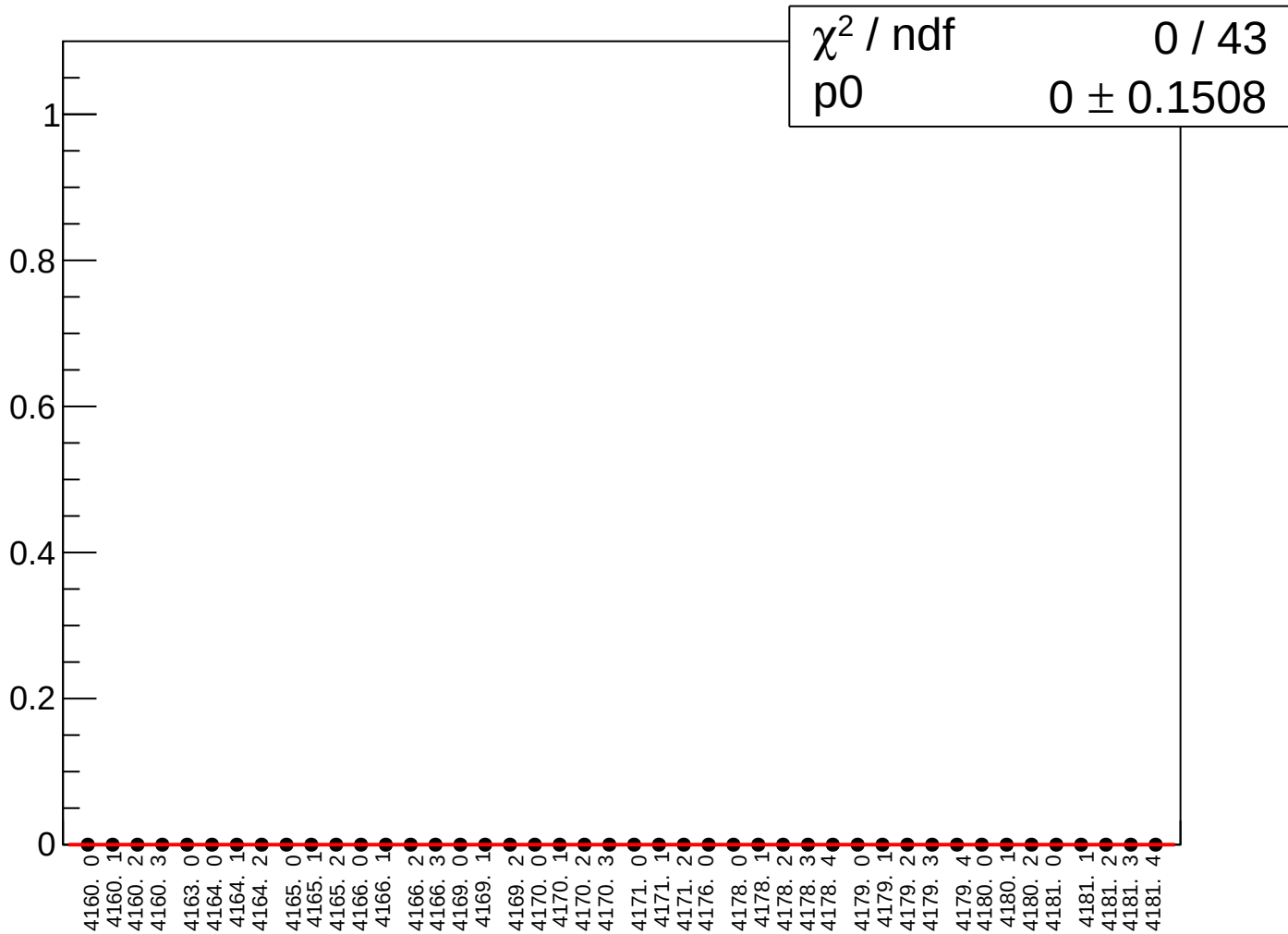
# cor\_sam\_15\_avg\_rms vs run



cor\_sam\_26\_avg\_mean vs run

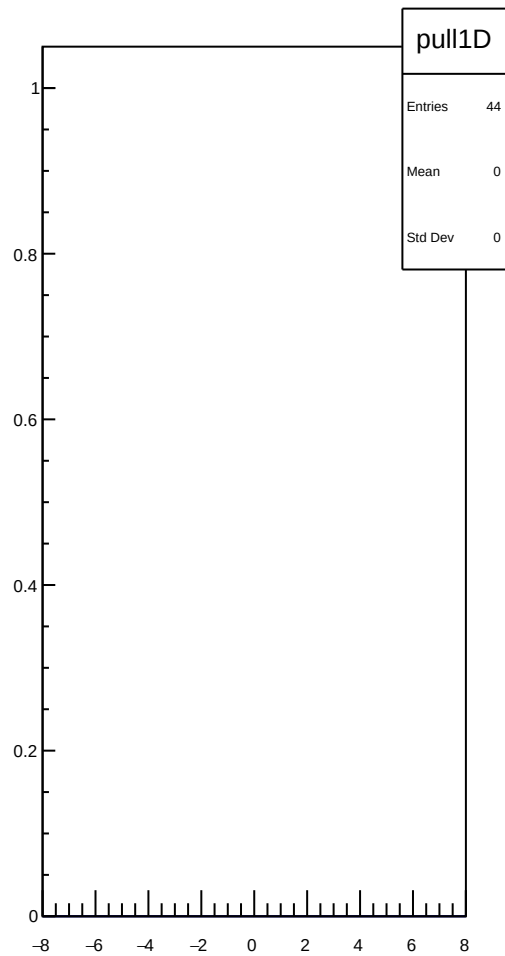
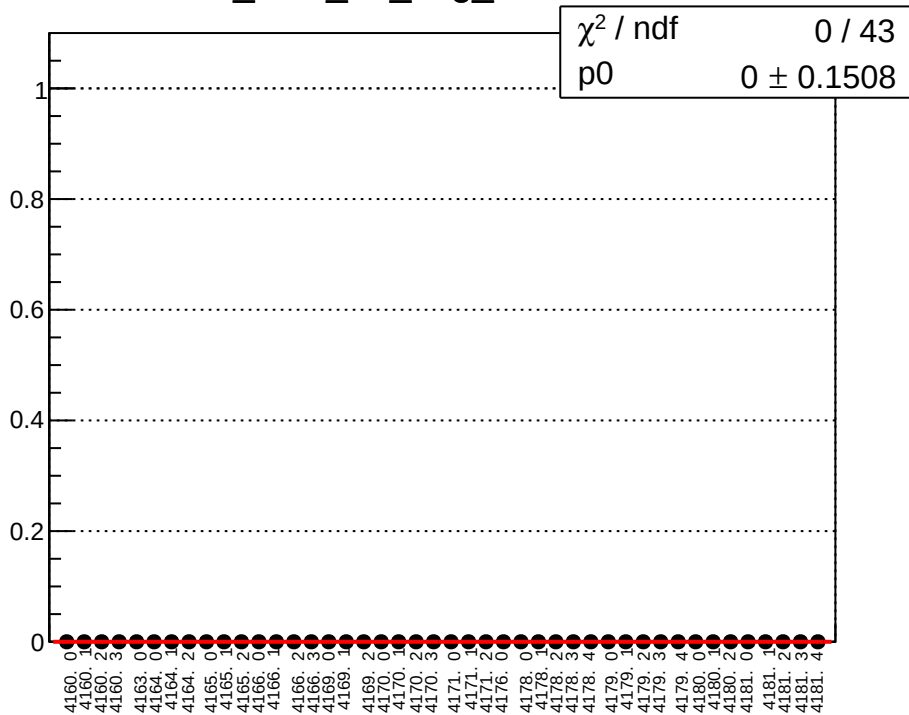


# cor\_sam\_26\_avg\_rms vs run

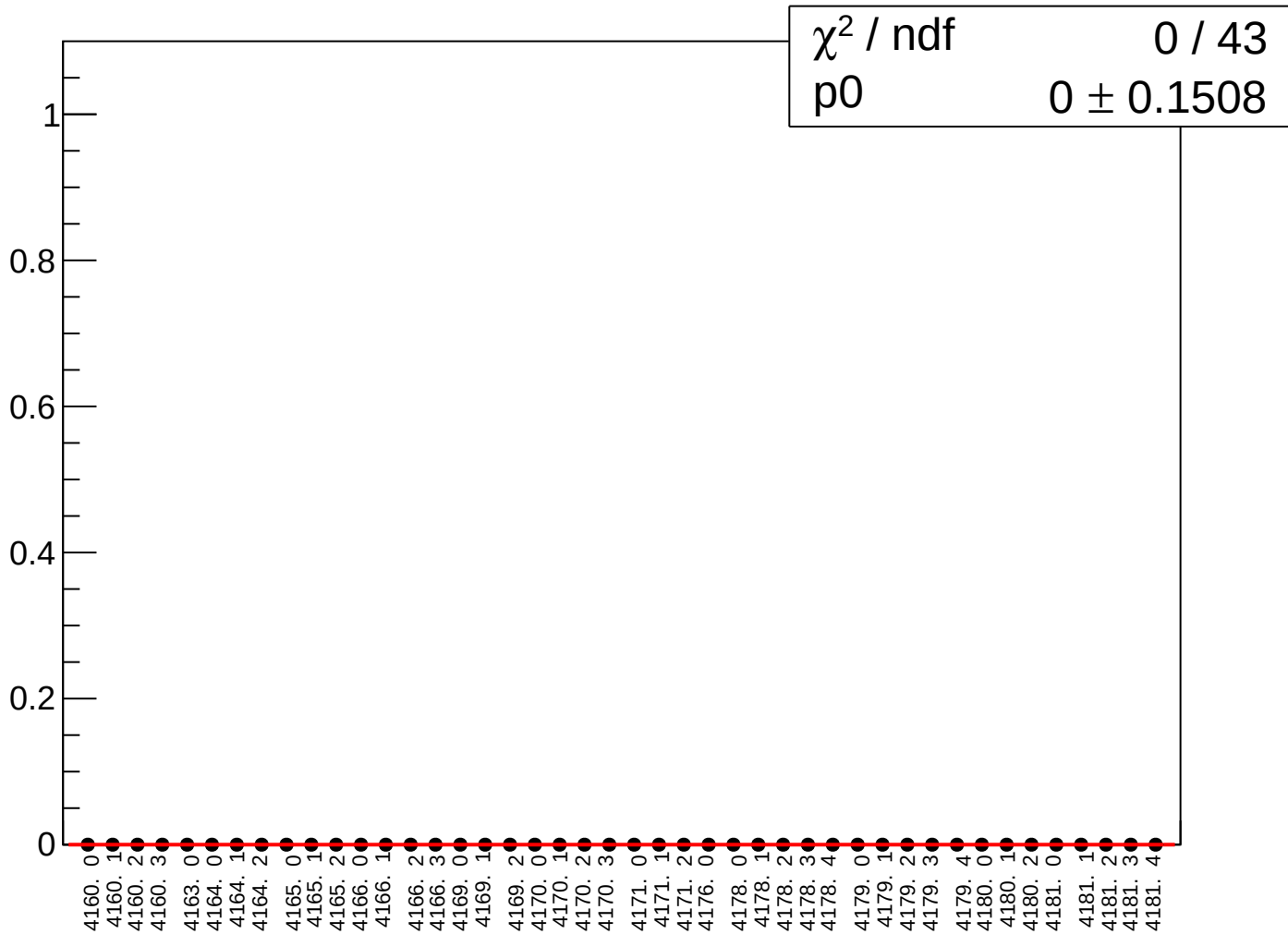




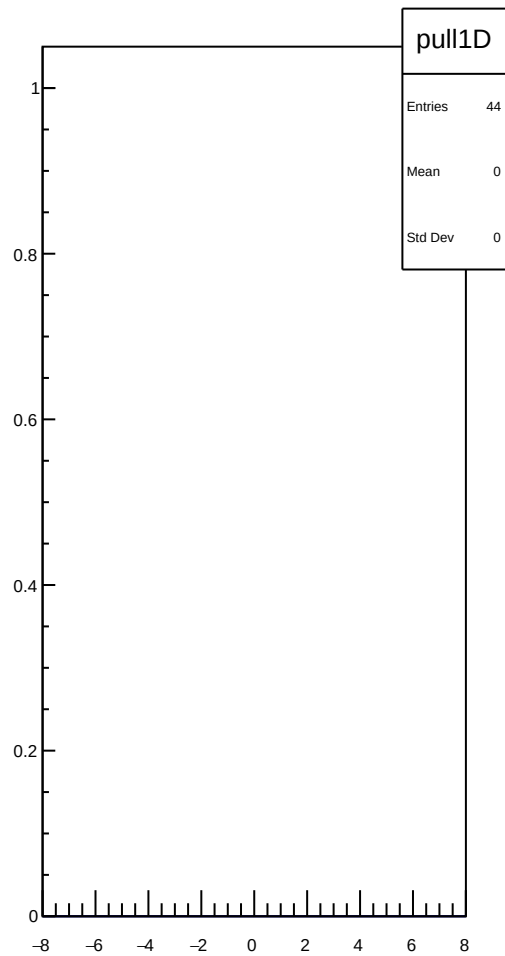
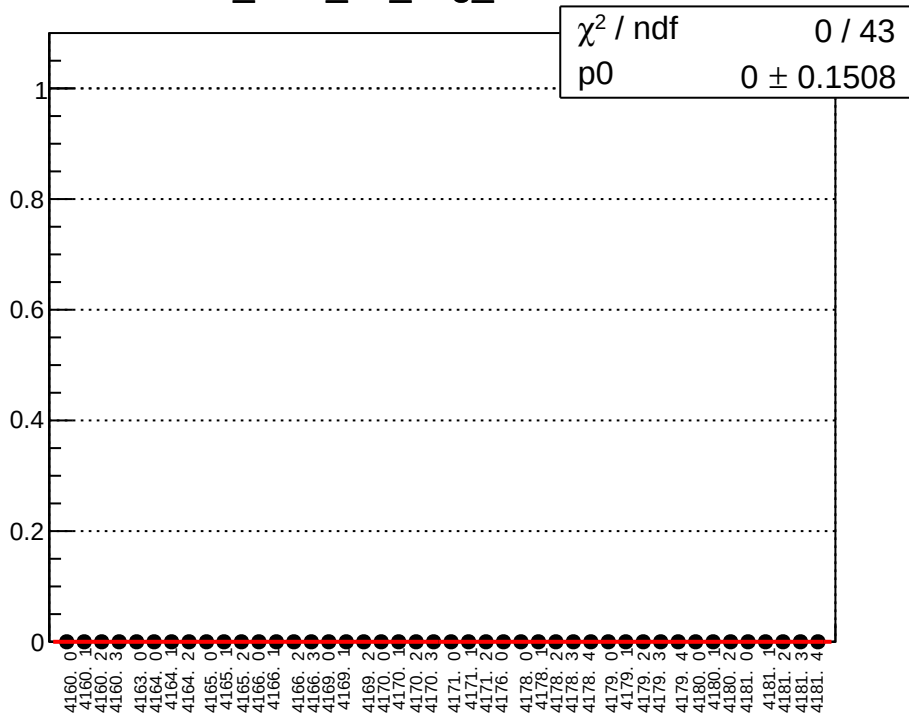
cor\_sam\_37\_avg\_mean vs run



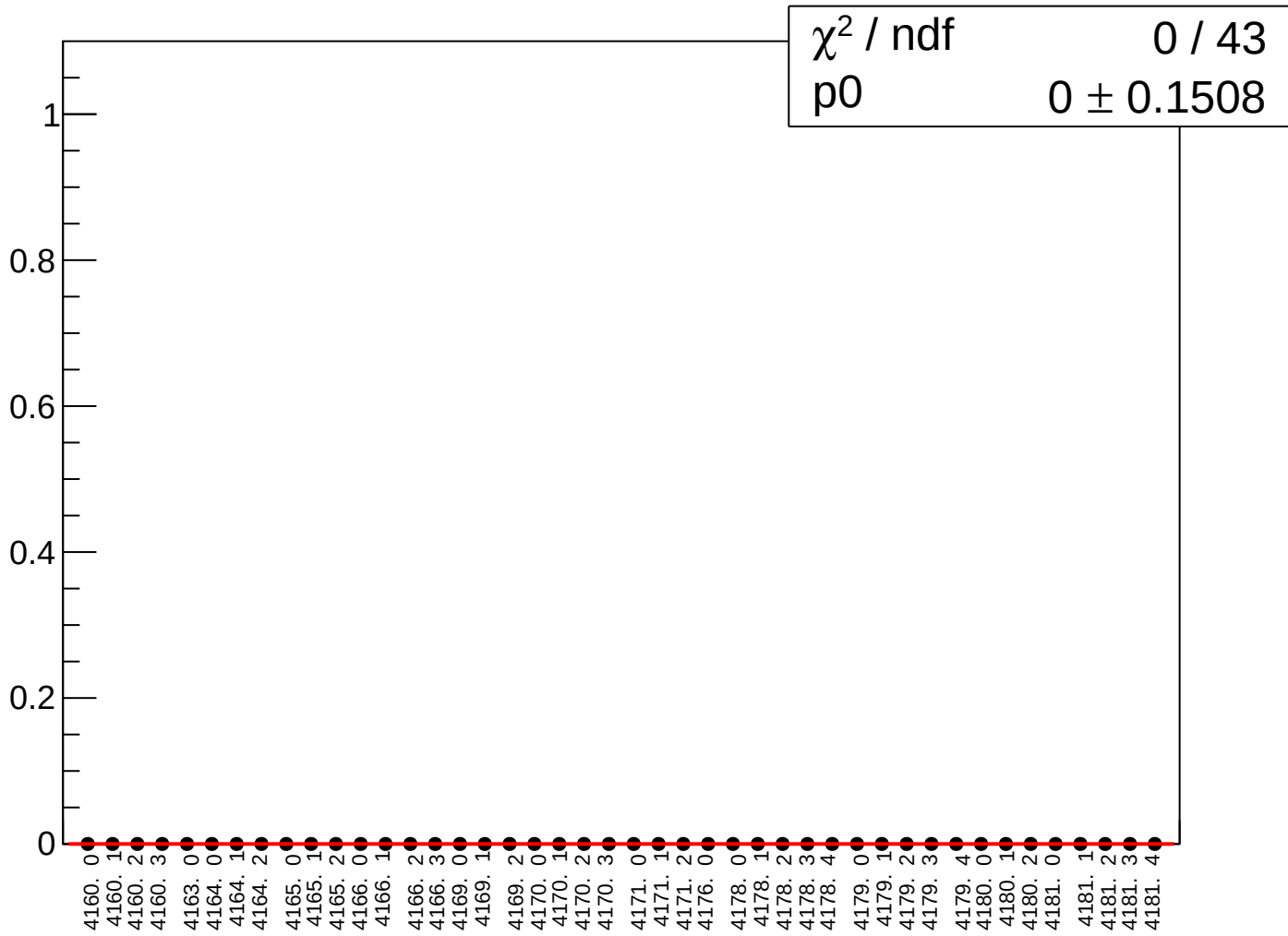
# cor\_sam\_37\_avg\_rms vs run



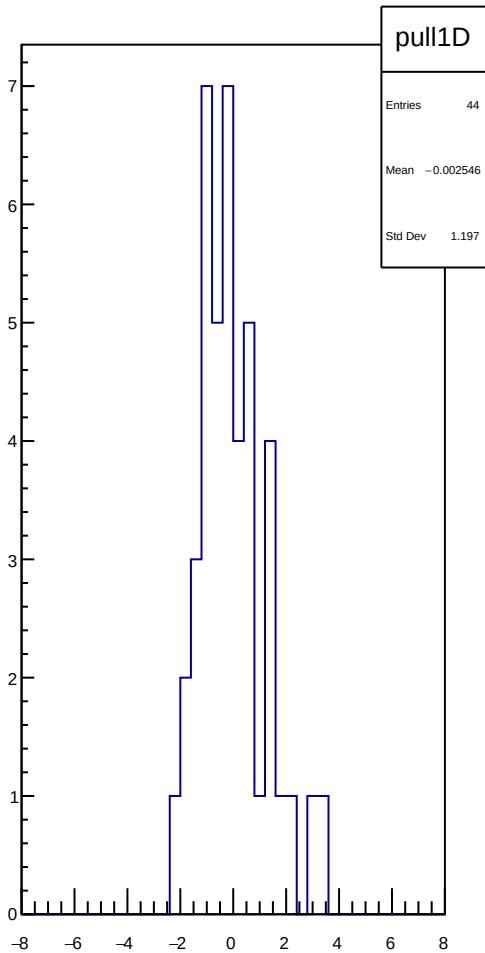
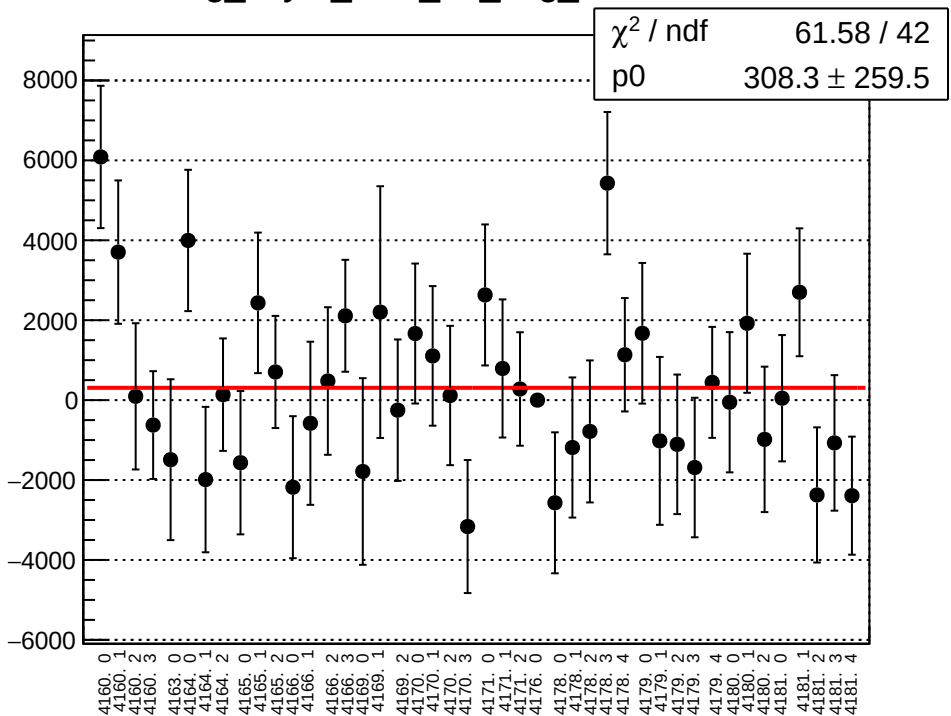
cor\_sam\_48\_avg\_mean vs run



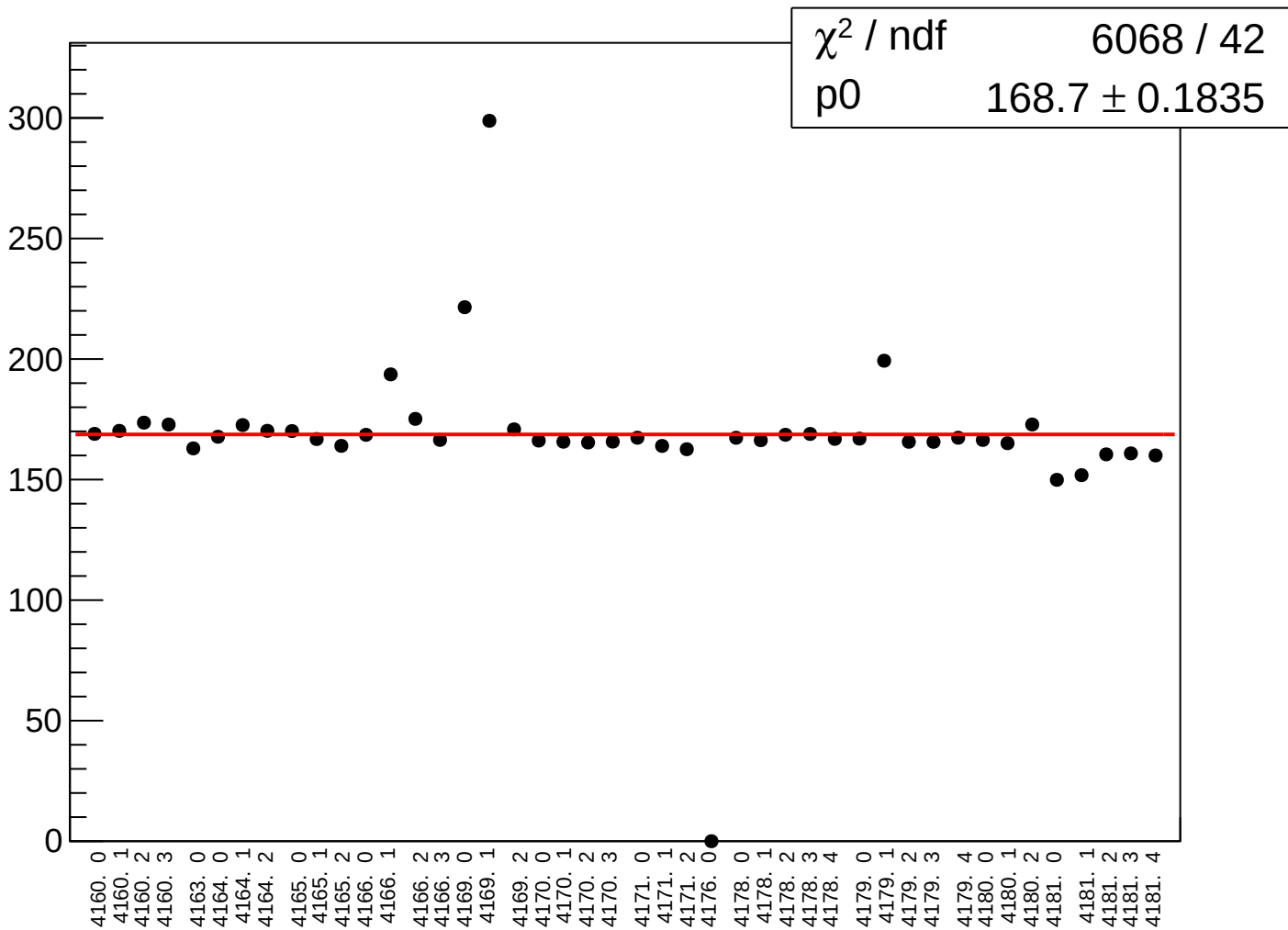
# cor\_sam\_48\_avg\_rms vs run



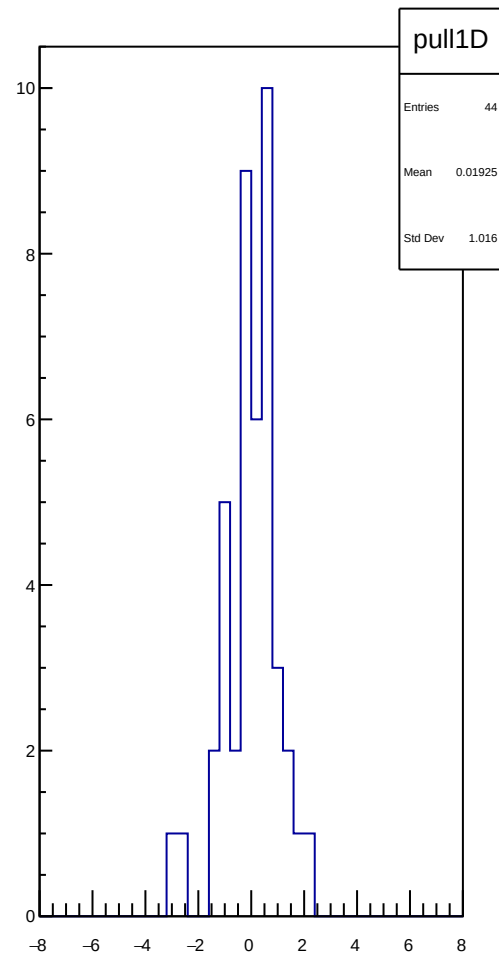
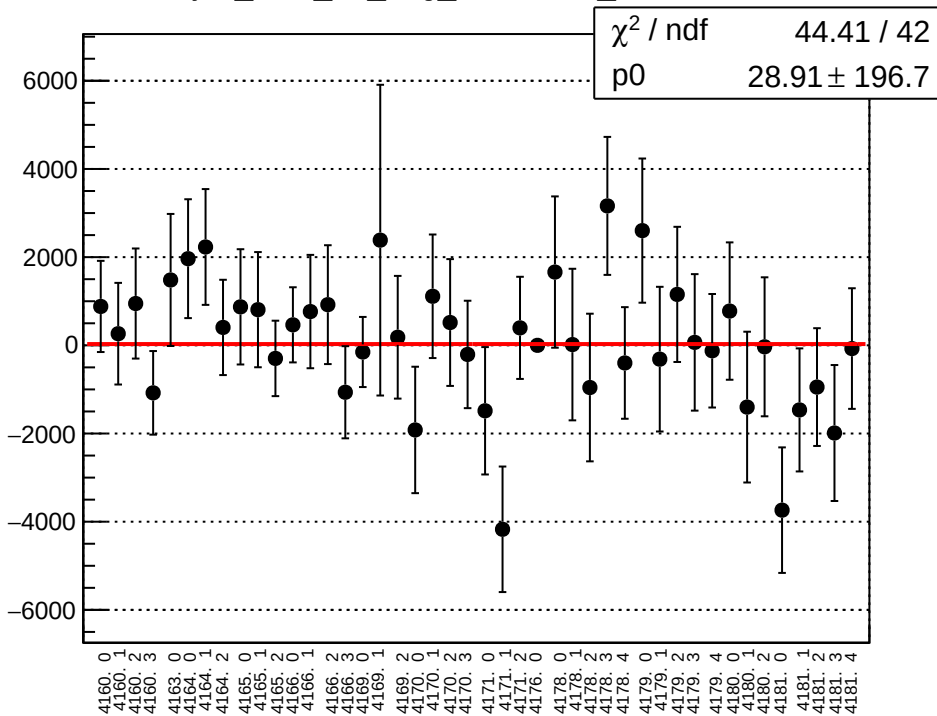
reg\_asym\_sam\_15\_avg\_mean vs run



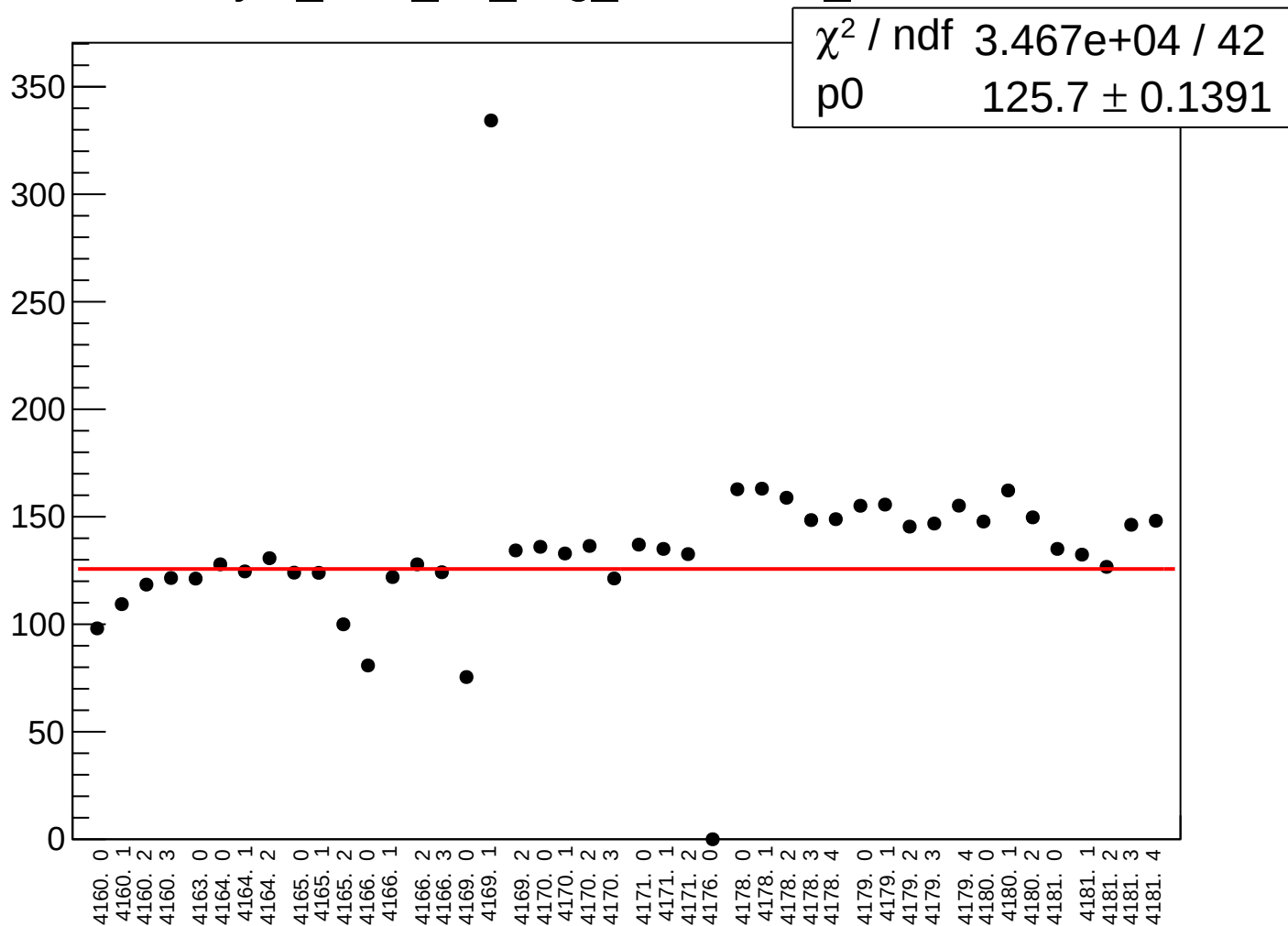
# reg\_asym\_sam\_15\_avg\_rms vs run



asym\_sam\_15\_avg\_correction\_mean vs run

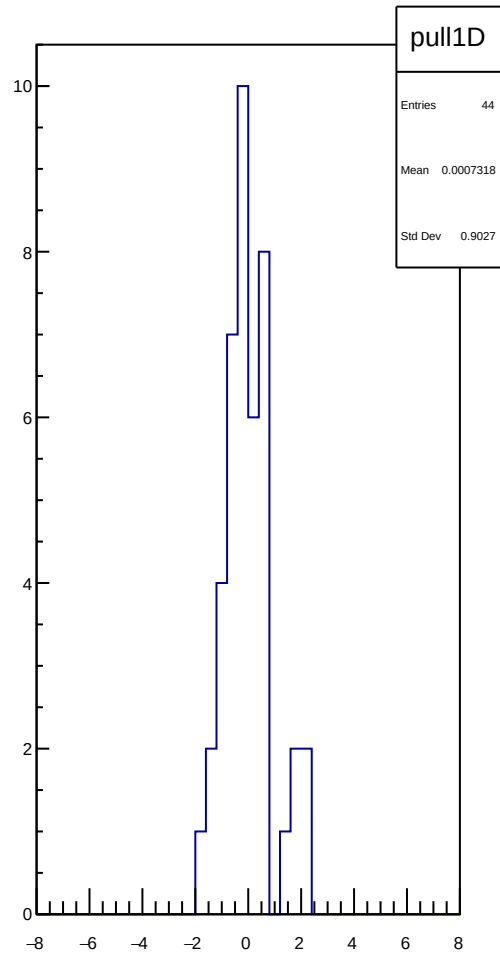
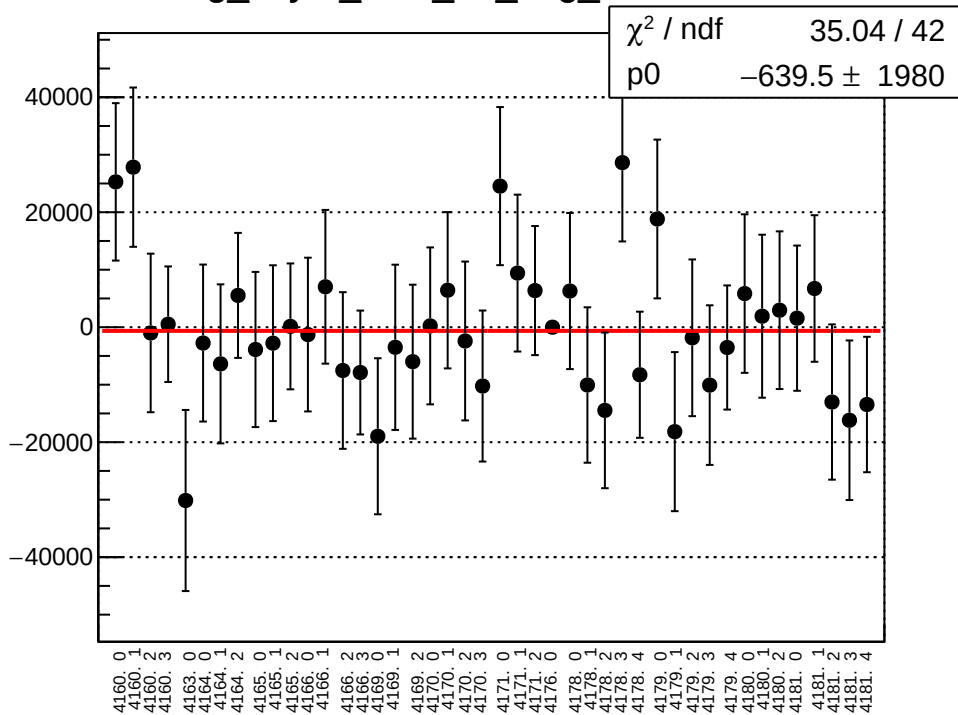


# asym\_sam\_15\_avg\_correction\_rms vs run

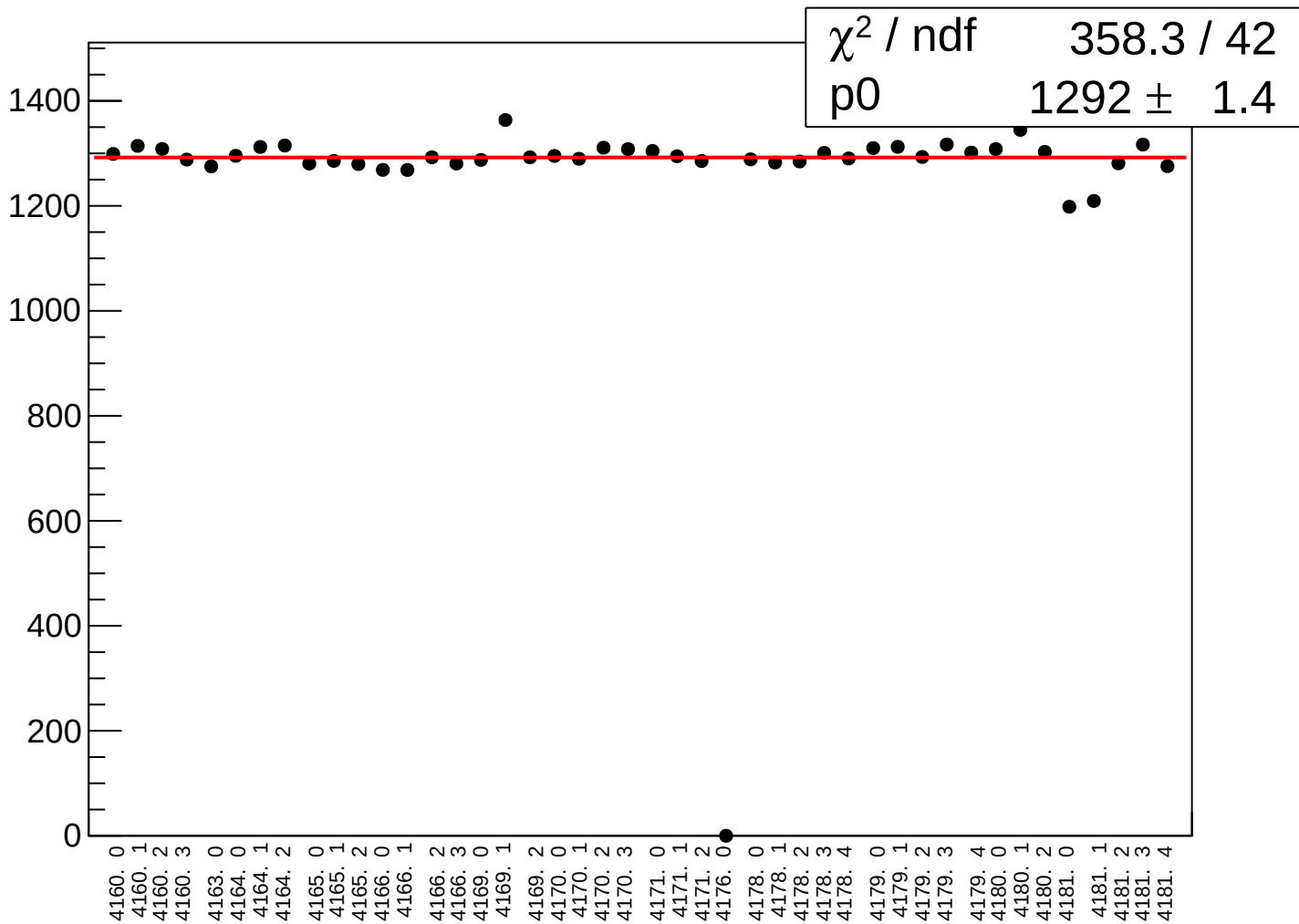




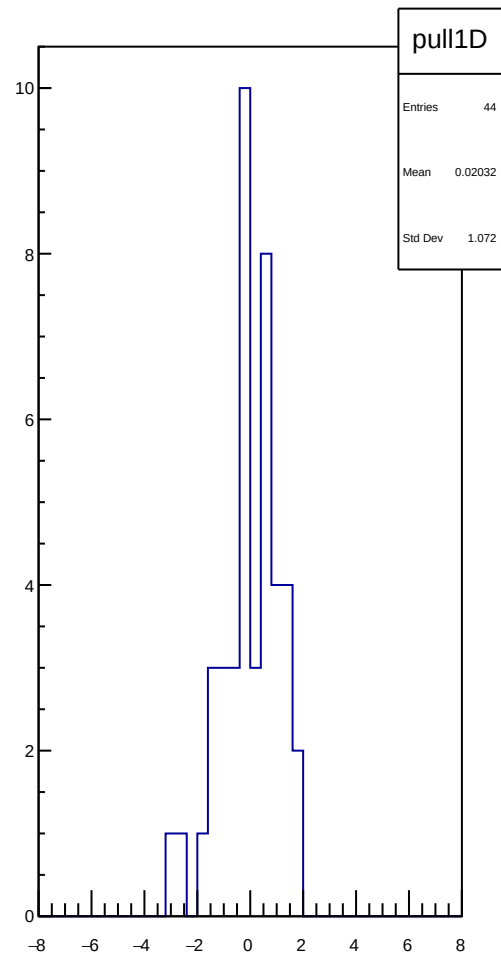
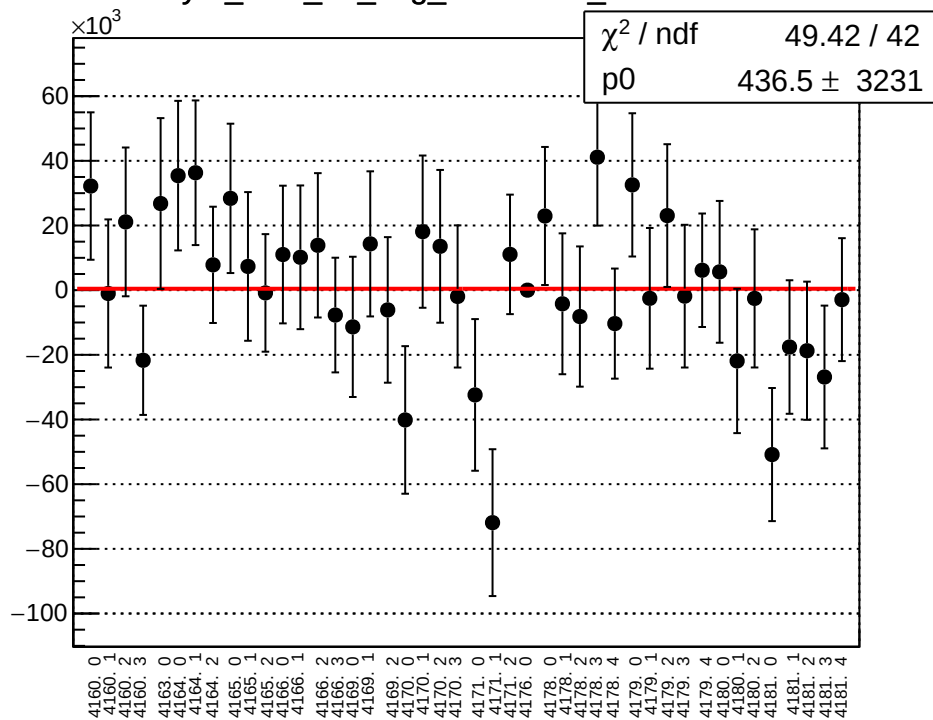
reg\_asym\_sam\_26\_avg\_mean vs run



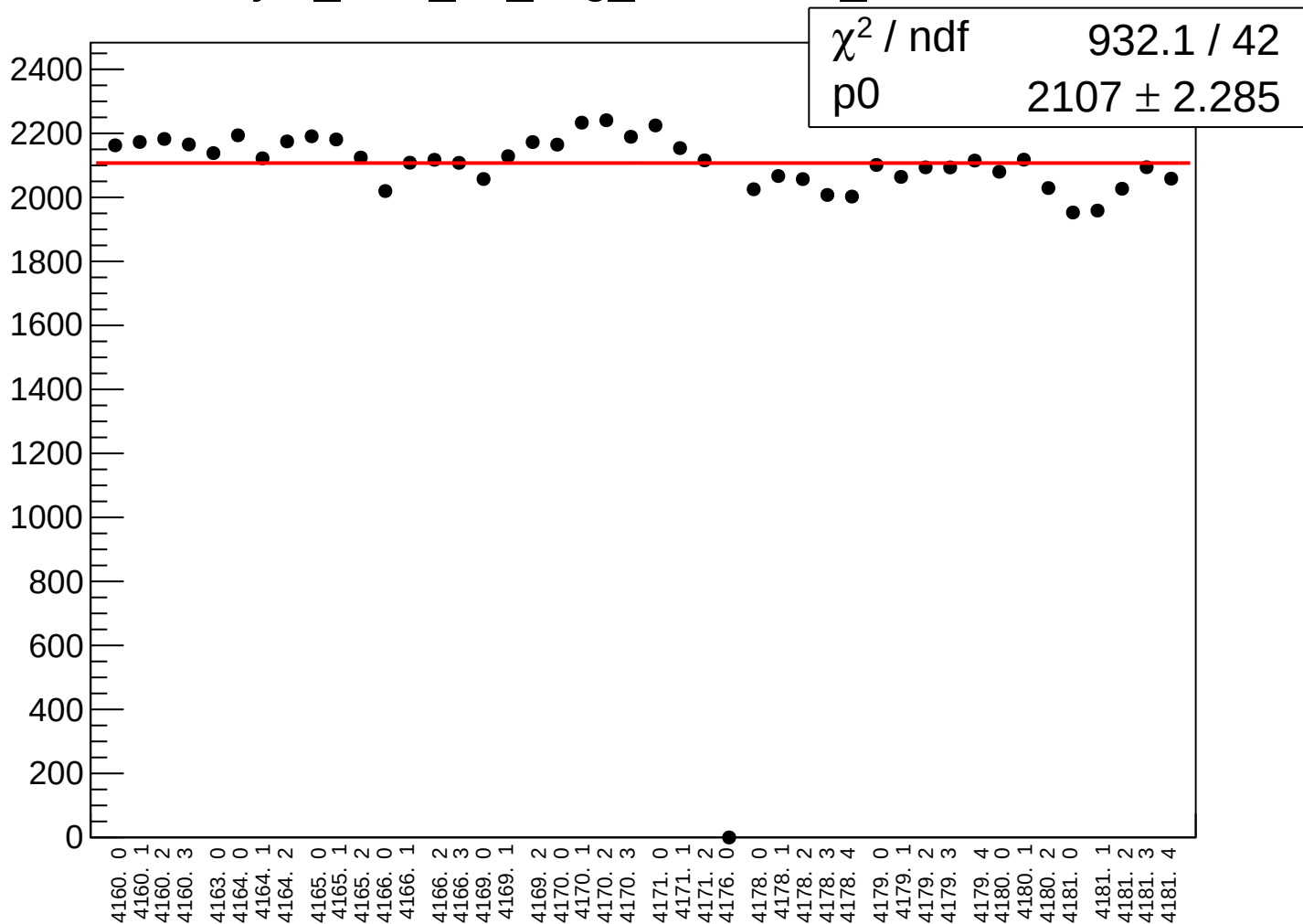
# reg\_asym\_sam\_26\_avg\_rms vs run



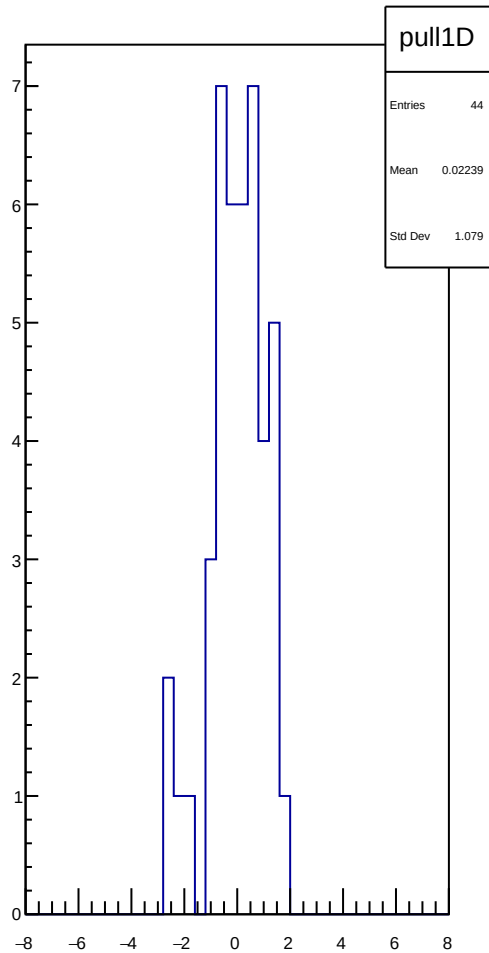
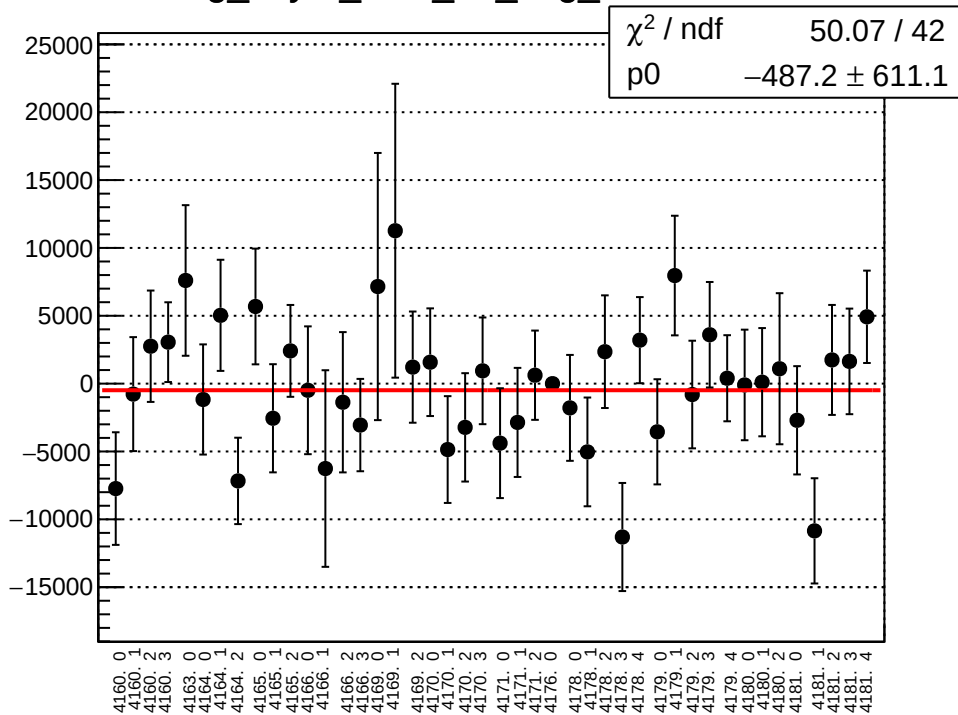
asym\_sam\_26\_avg\_correction\_mean vs run



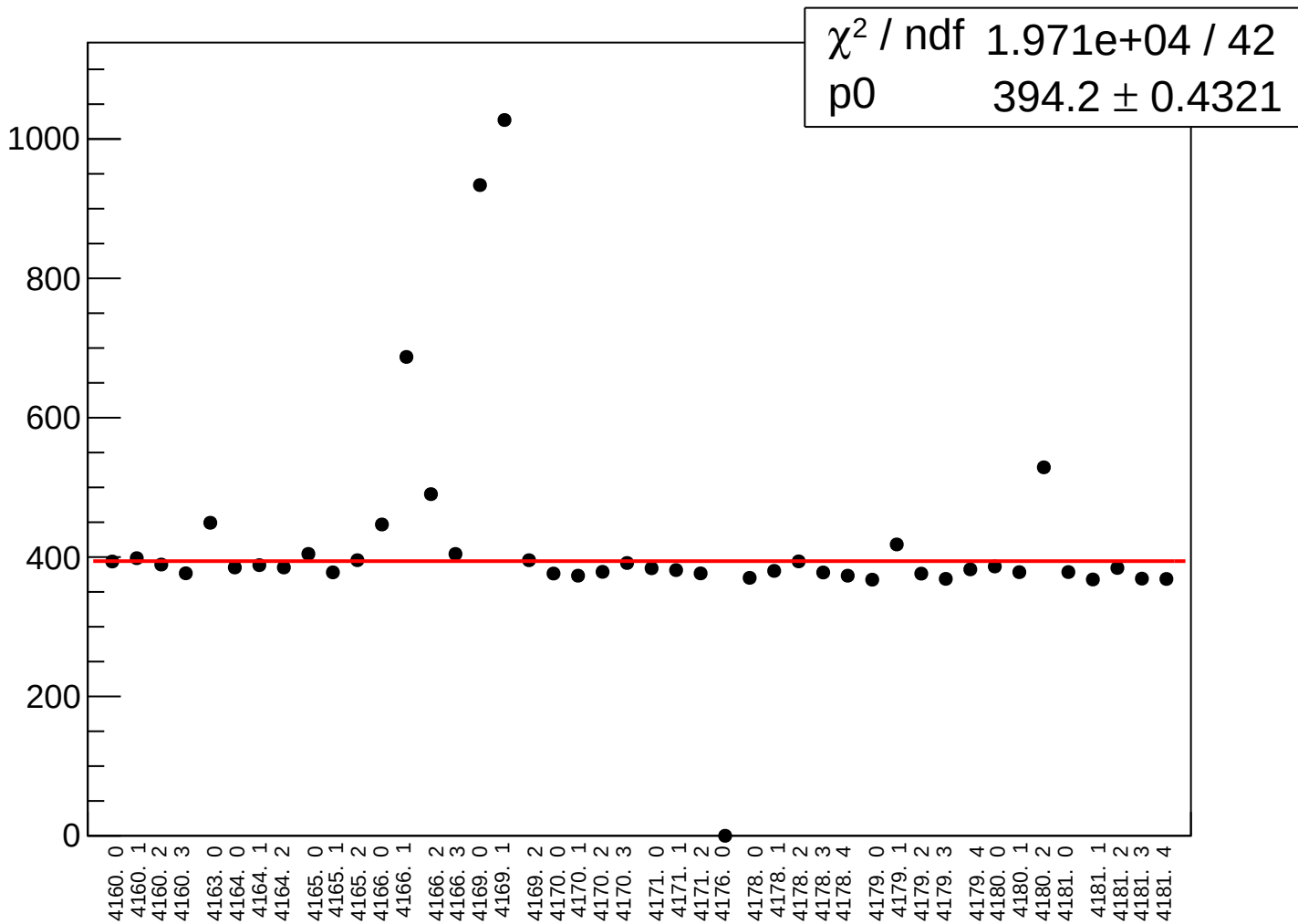
# asym\_sam\_26\_avg\_correction\_rms vs run



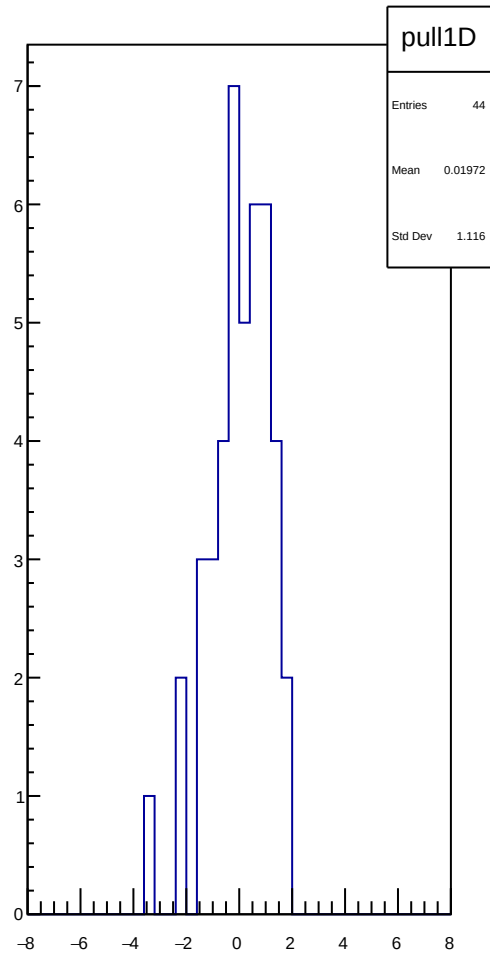
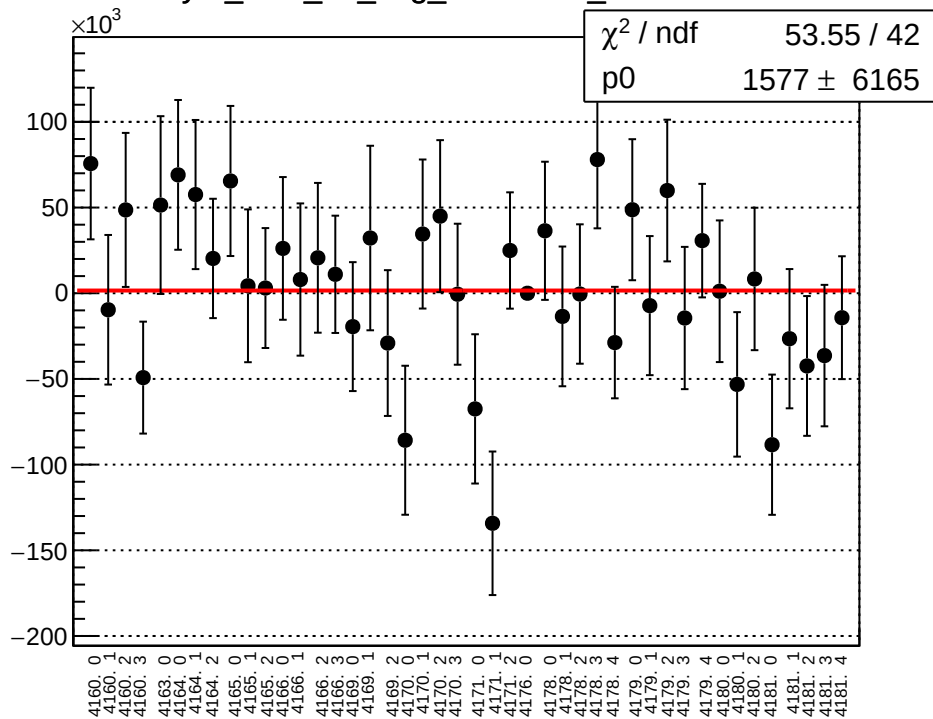
reg\_asym\_sam\_37\_avg\_mean vs run



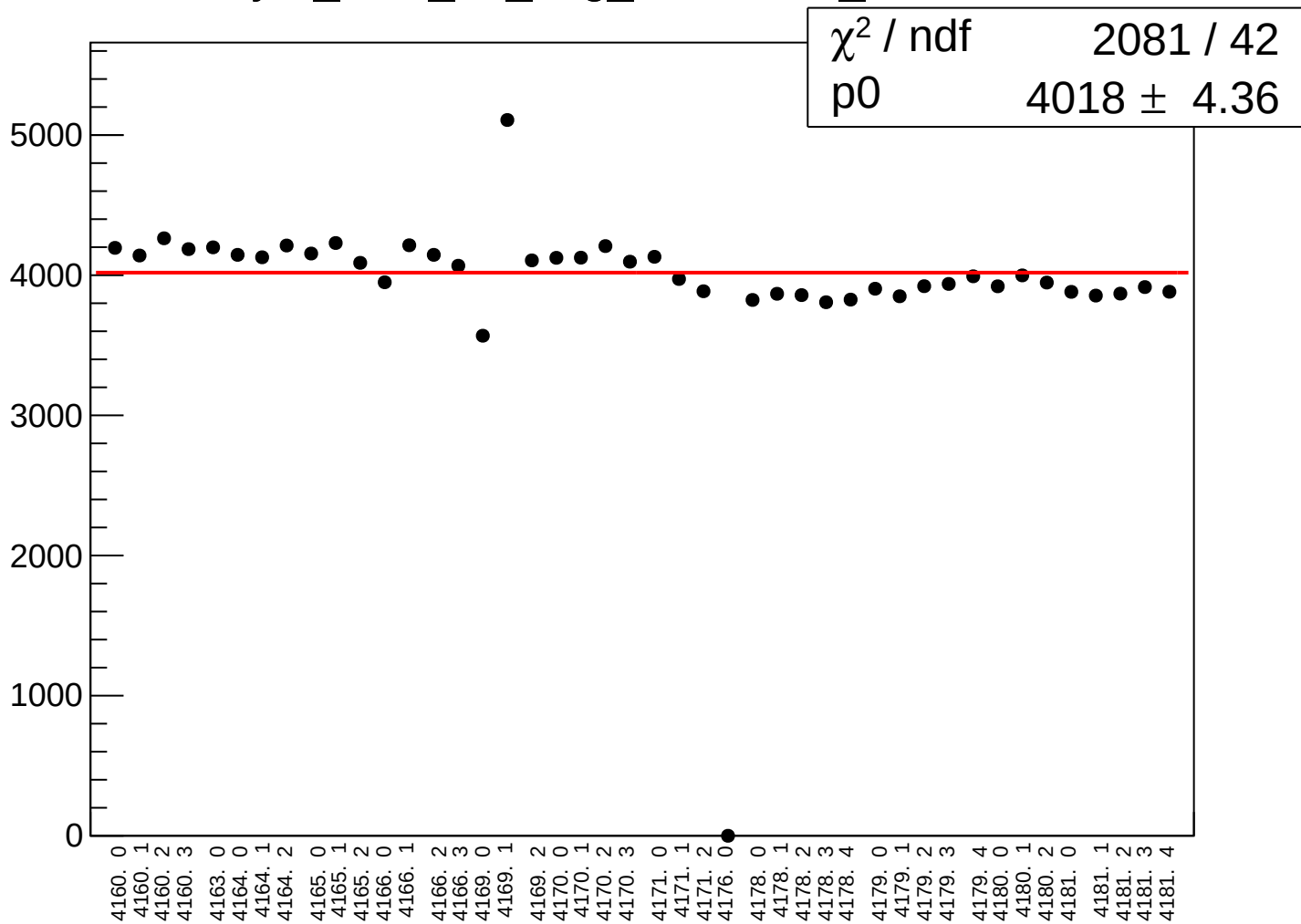
# reg\_asym\_sam\_37\_avg\_rms vs run



asym\_sam\_37\_avg\_correction\_mean vs run

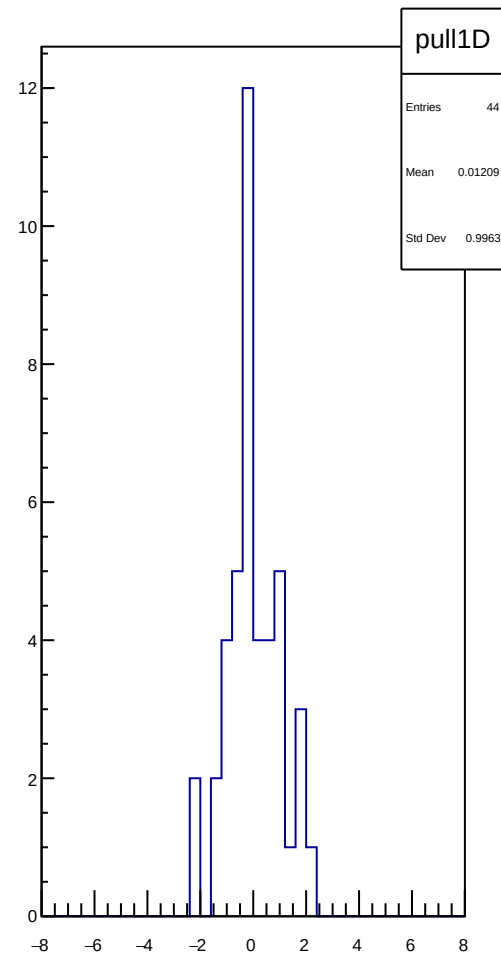
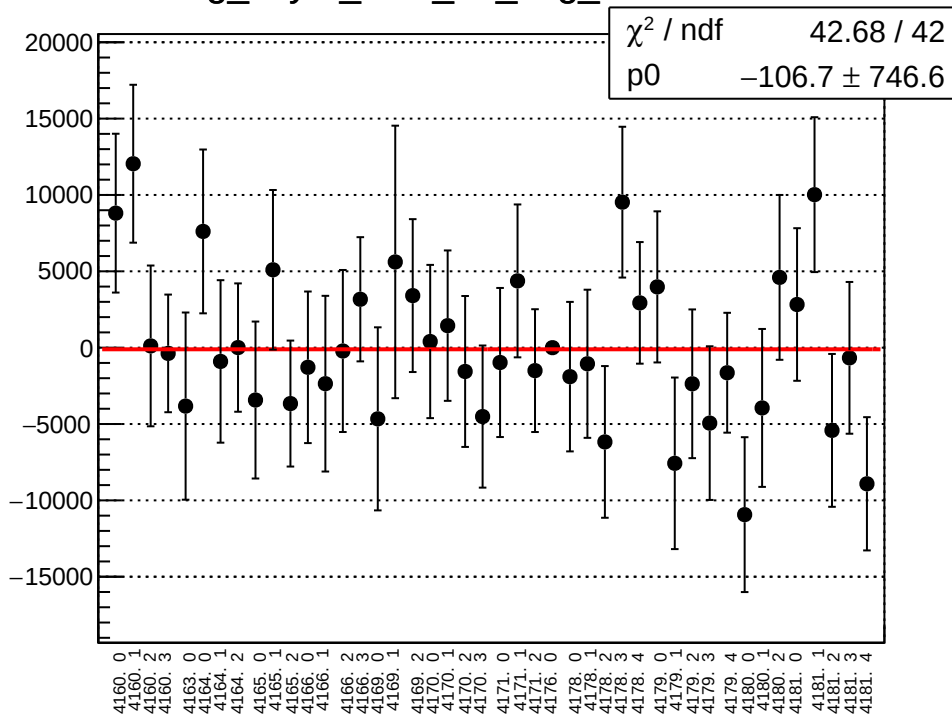


asym\_sam\_37\_avg\_correction\_rms vs run

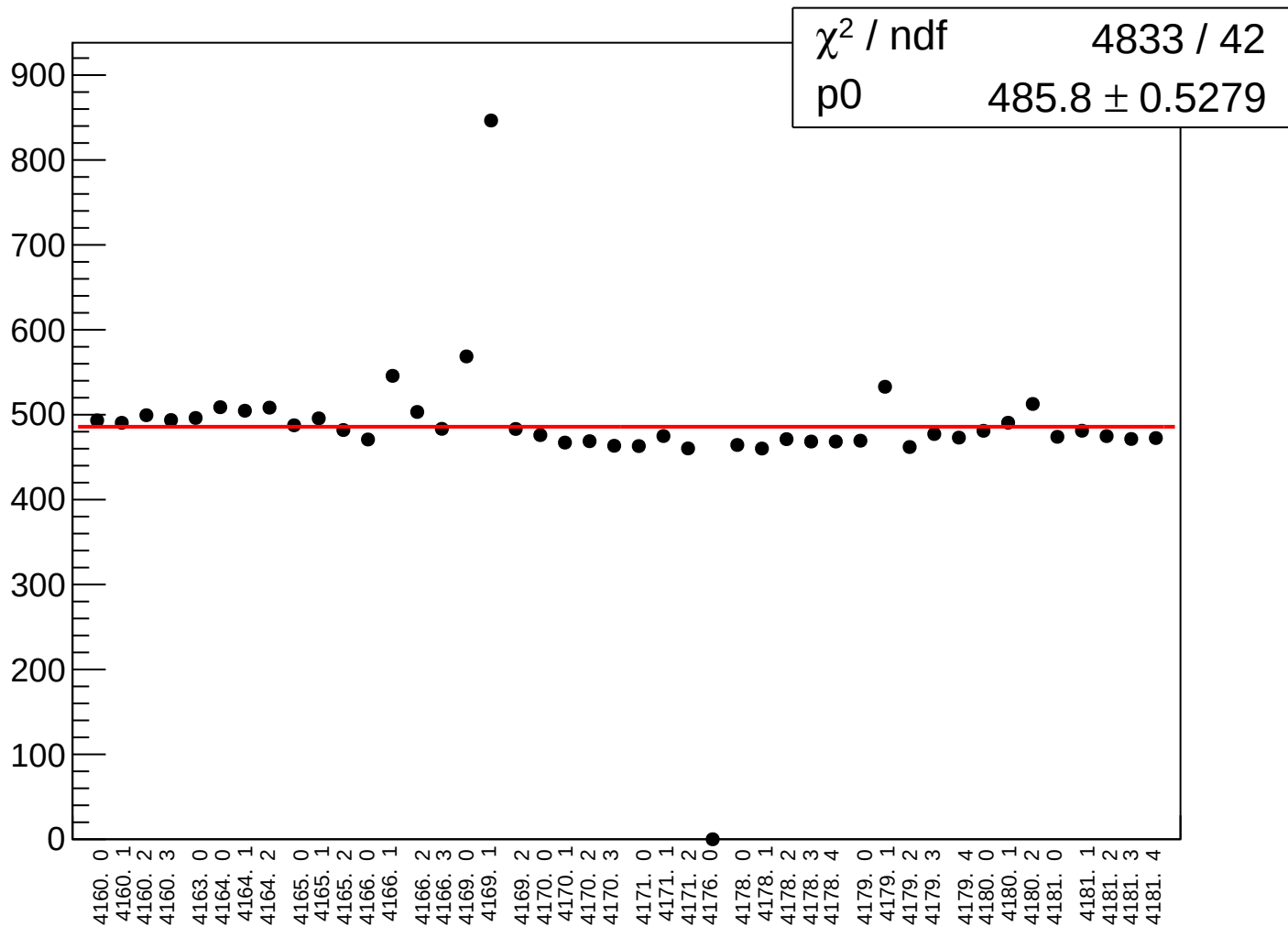




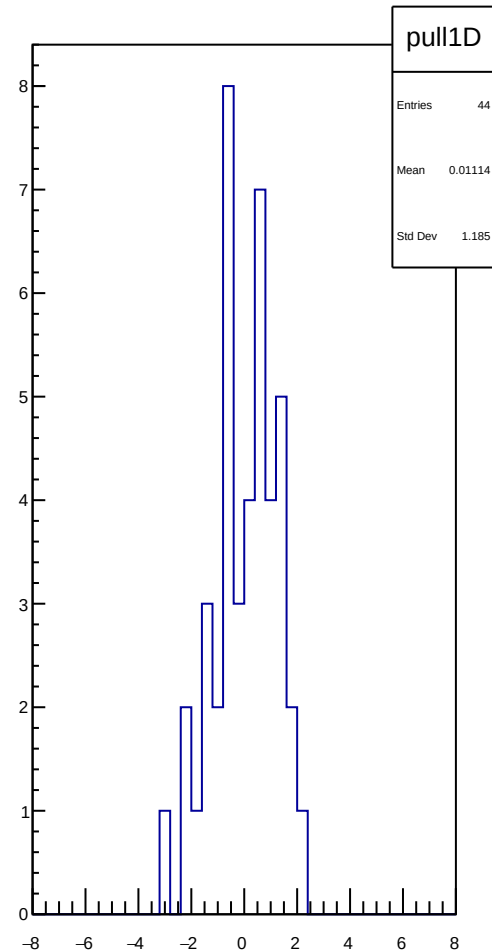
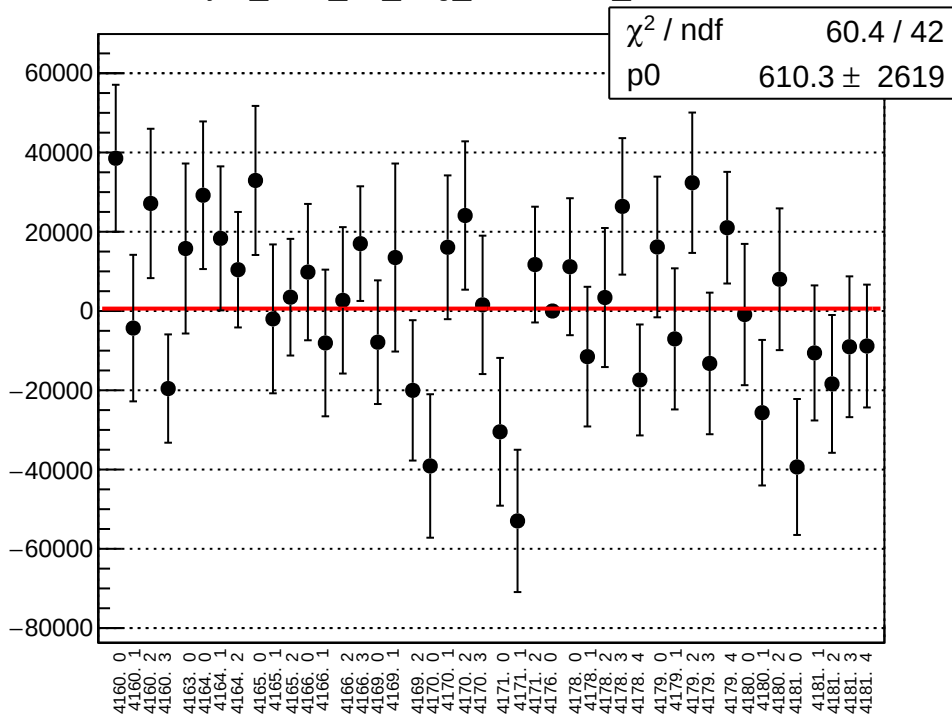
# reg\_asym\_sam\_48\_avg\_mean vs run



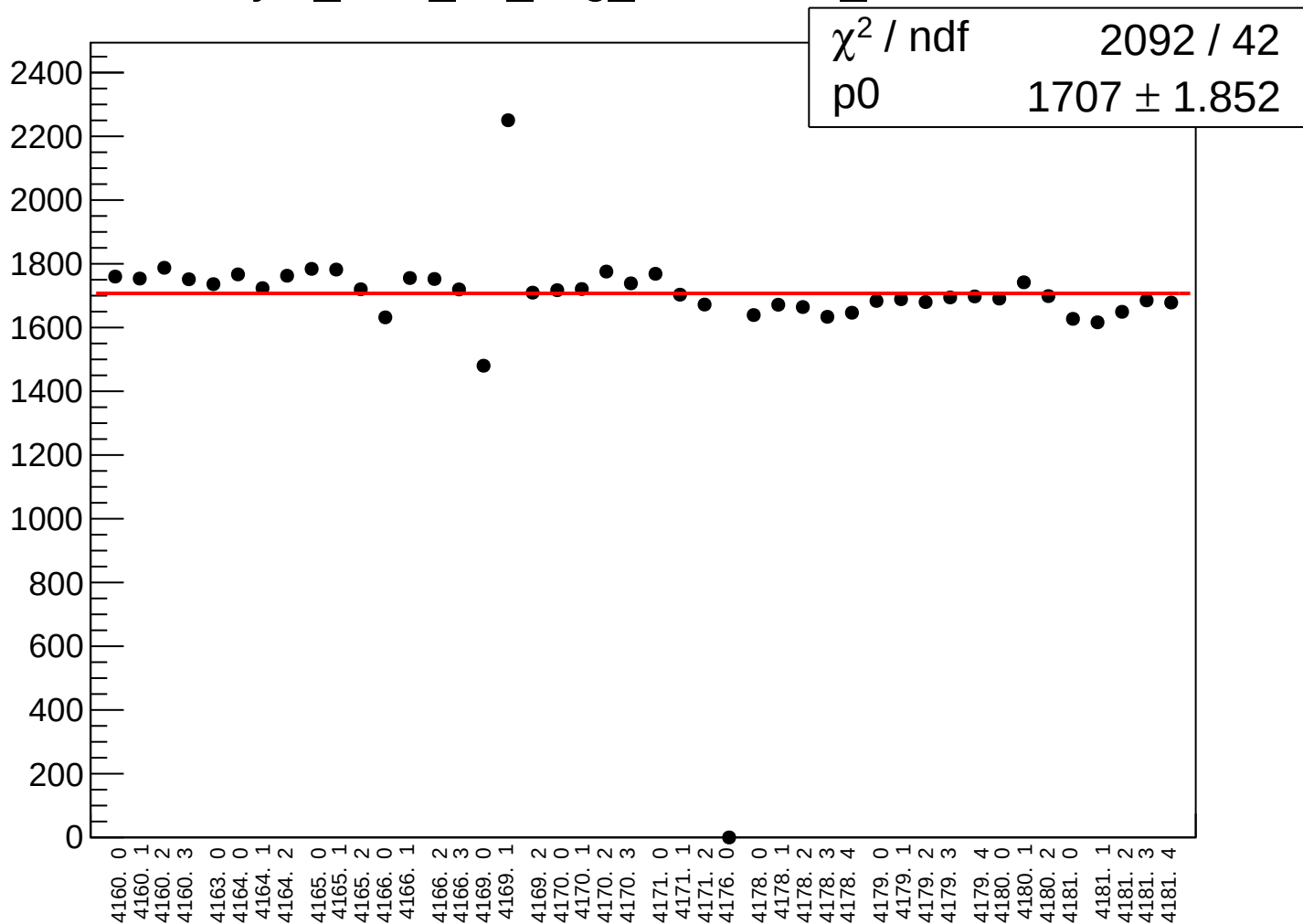
# reg\_asym\_sam\_48\_avg\_rms vs run



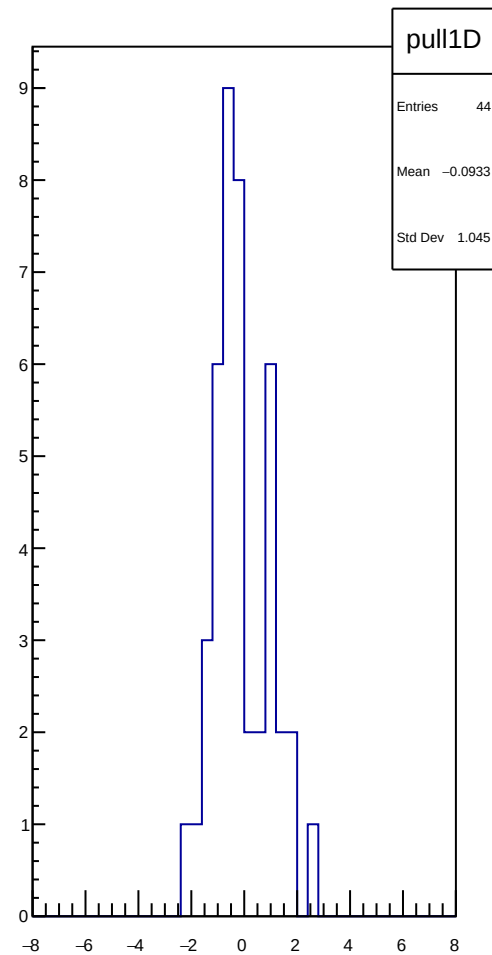
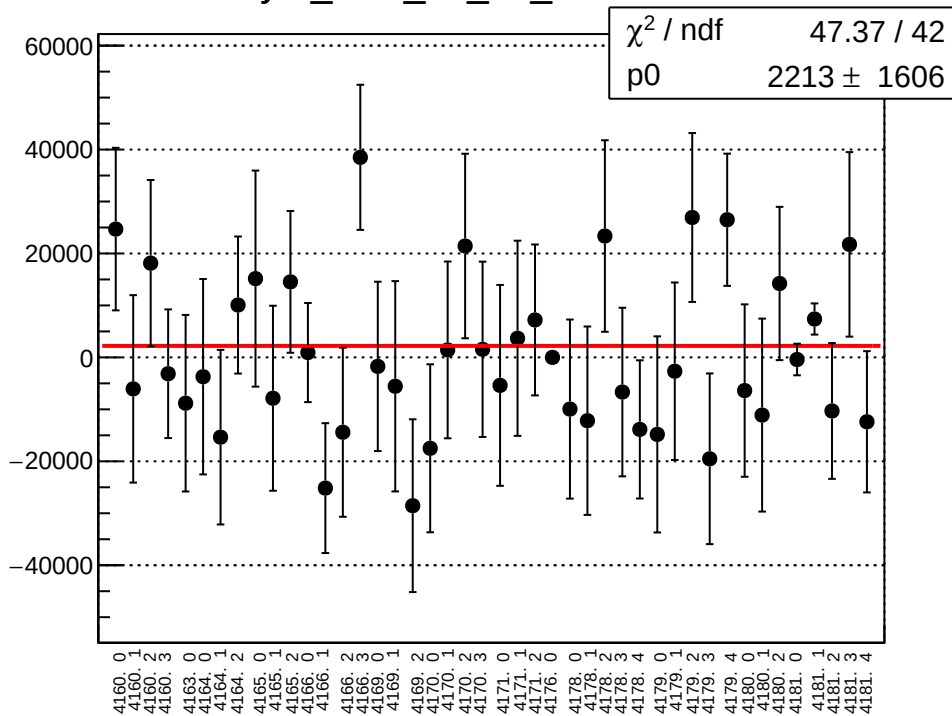
asym\_sam\_48\_avg\_correction\_mean vs run



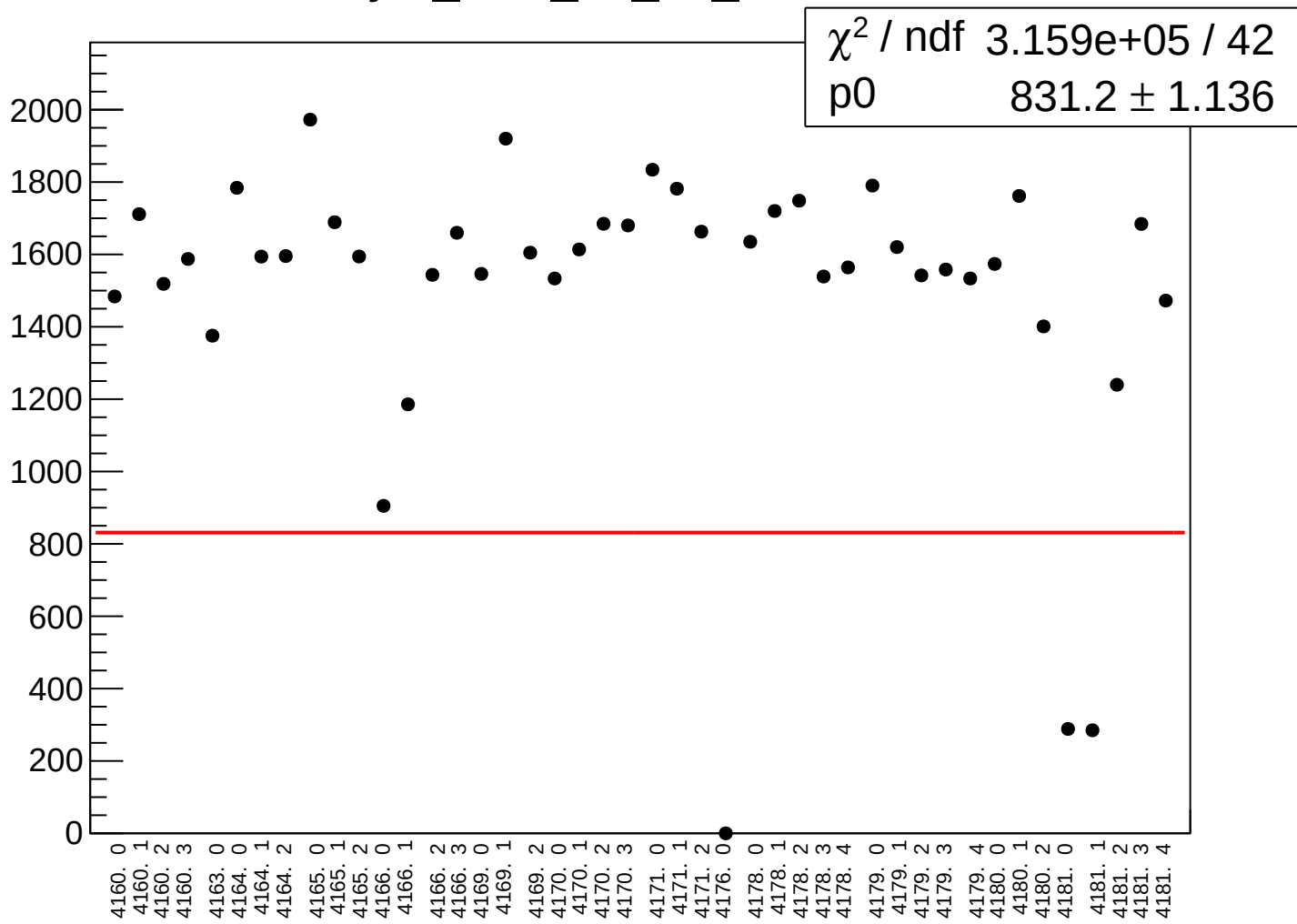
# asym\_sam\_48\_avg\_correction\_rms vs run



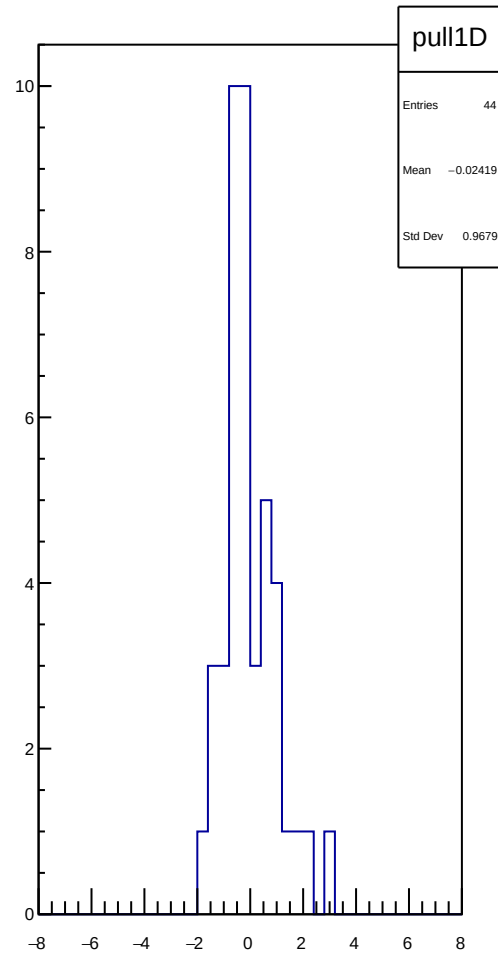
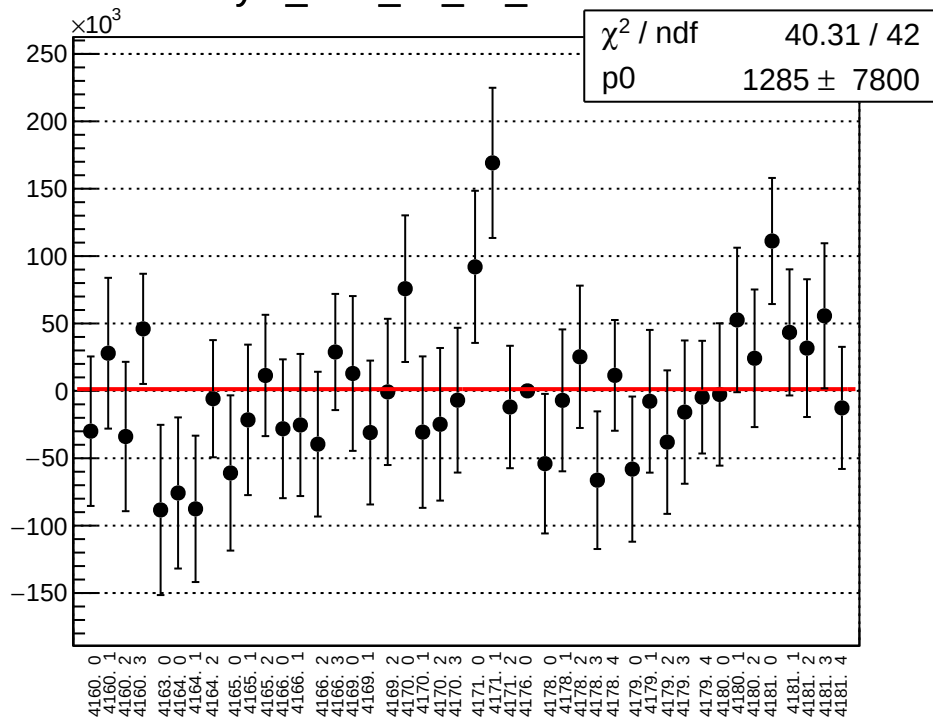
# asym\_sam\_15\_dd\_mean vs run



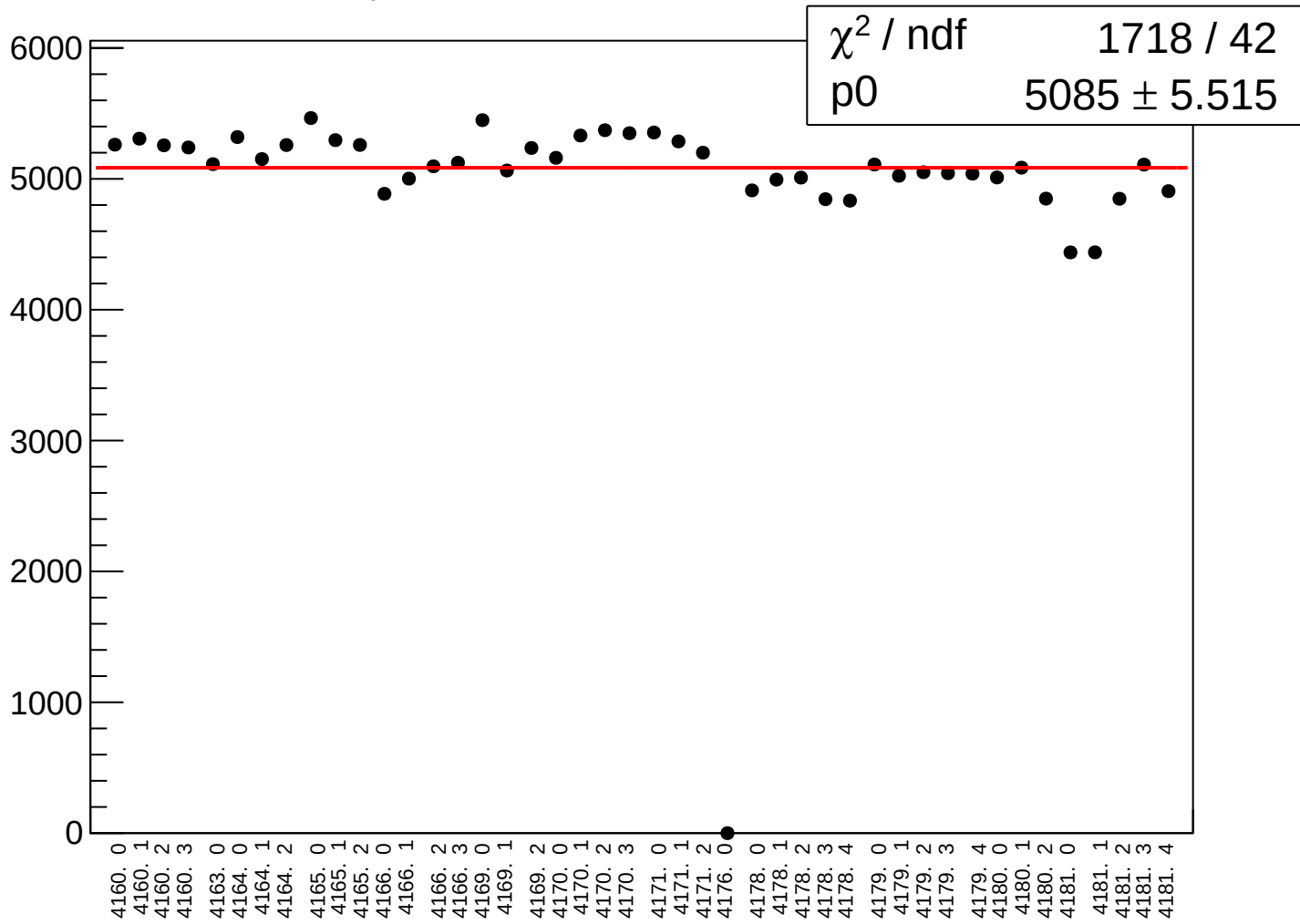
# asym\_sam\_15\_dd\_rms vs run



asym\_sam\_26\_dd\_mean vs run

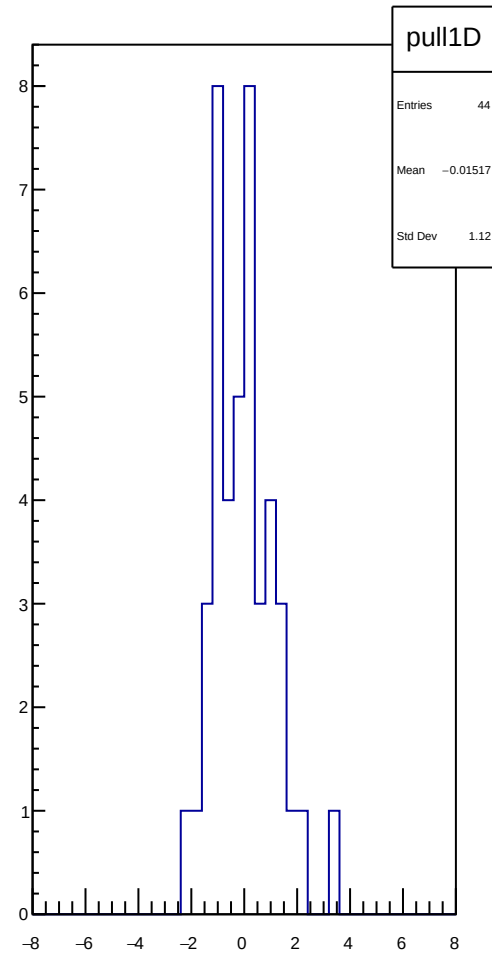
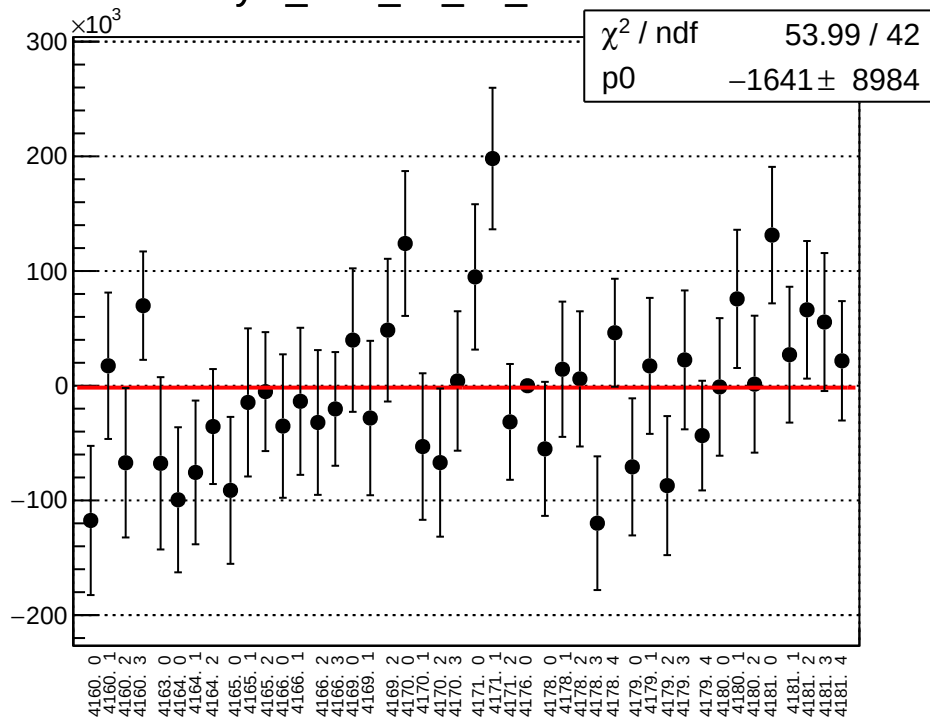


# asym\_sam\_26\_dd\_rms vs run

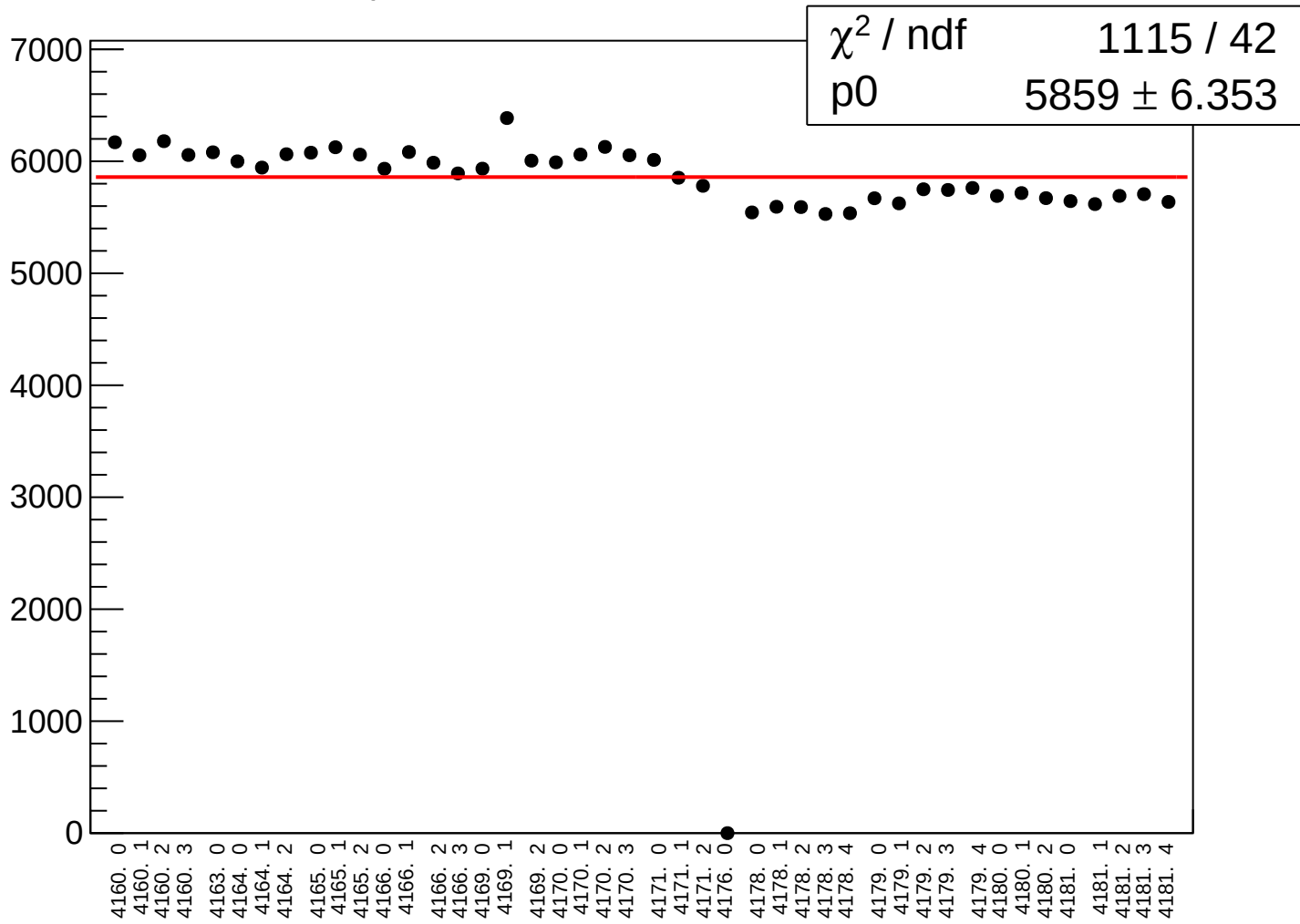




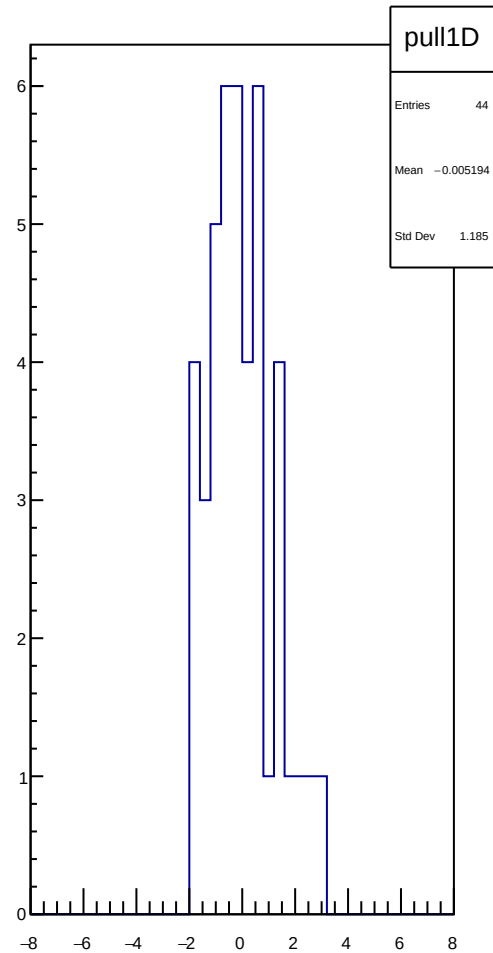
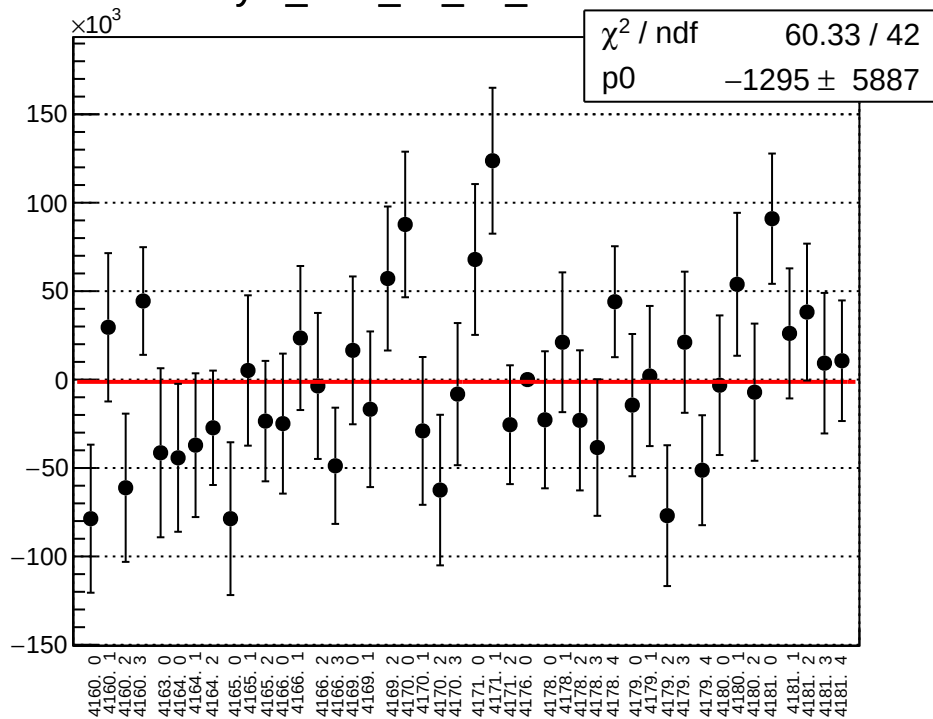
asym\_sam\_37\_dd\_mean vs run



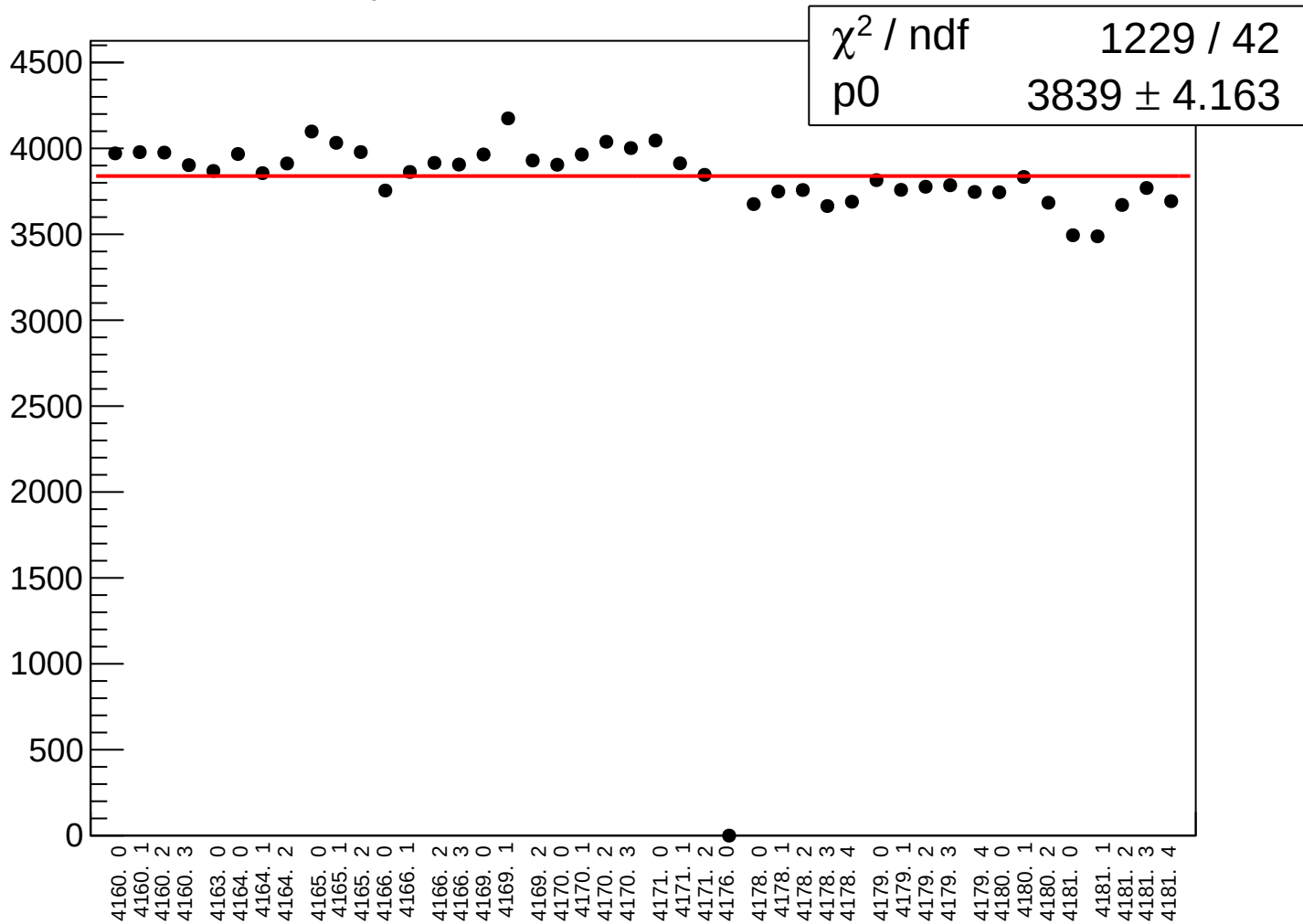
# asym\_sam\_37\_dd\_rms vs run



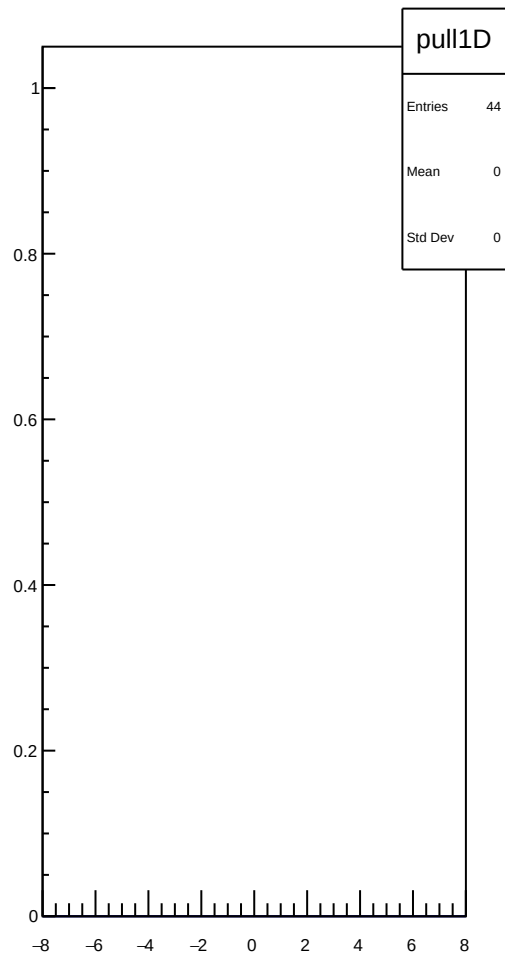
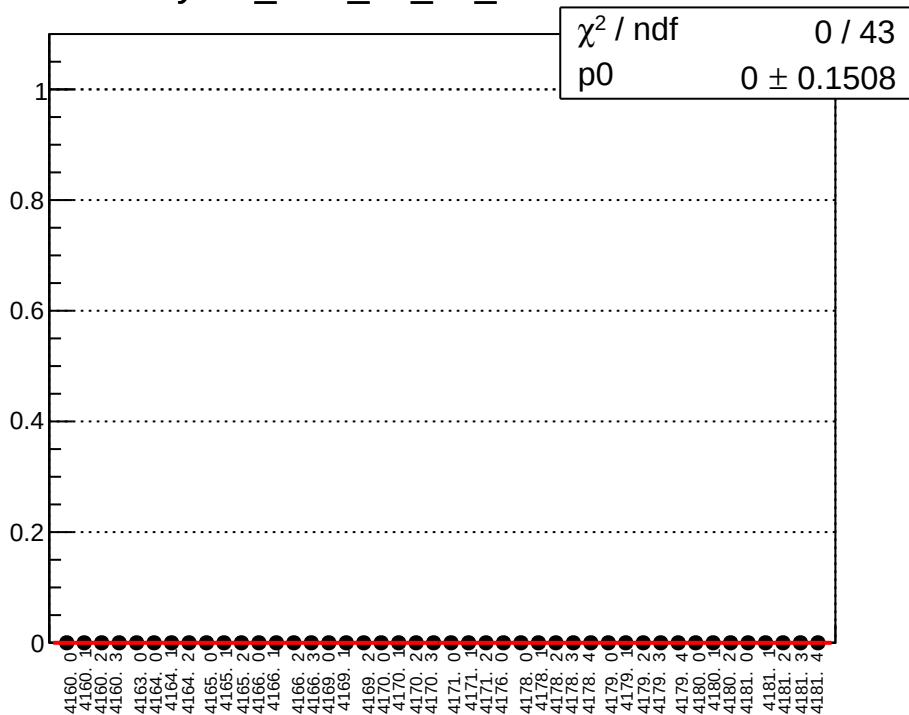
# asym\_sam\_48\_dd\_mean vs run



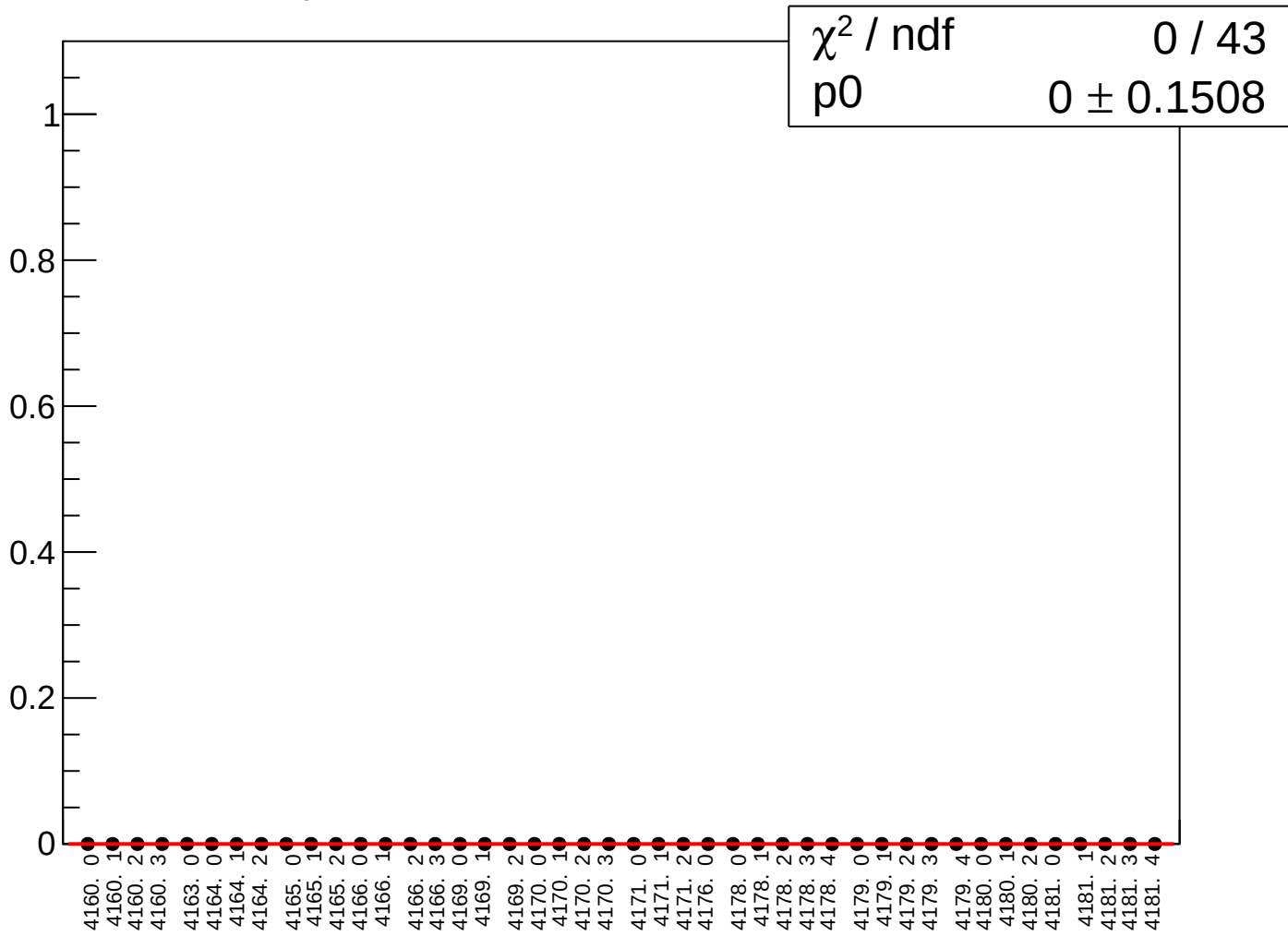
# asym\_sam\_48\_dd\_rms vs run



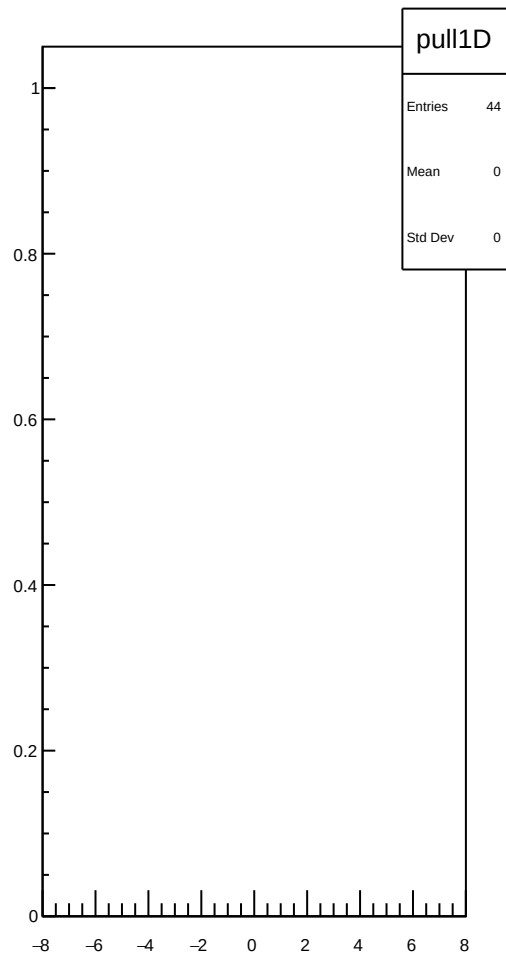
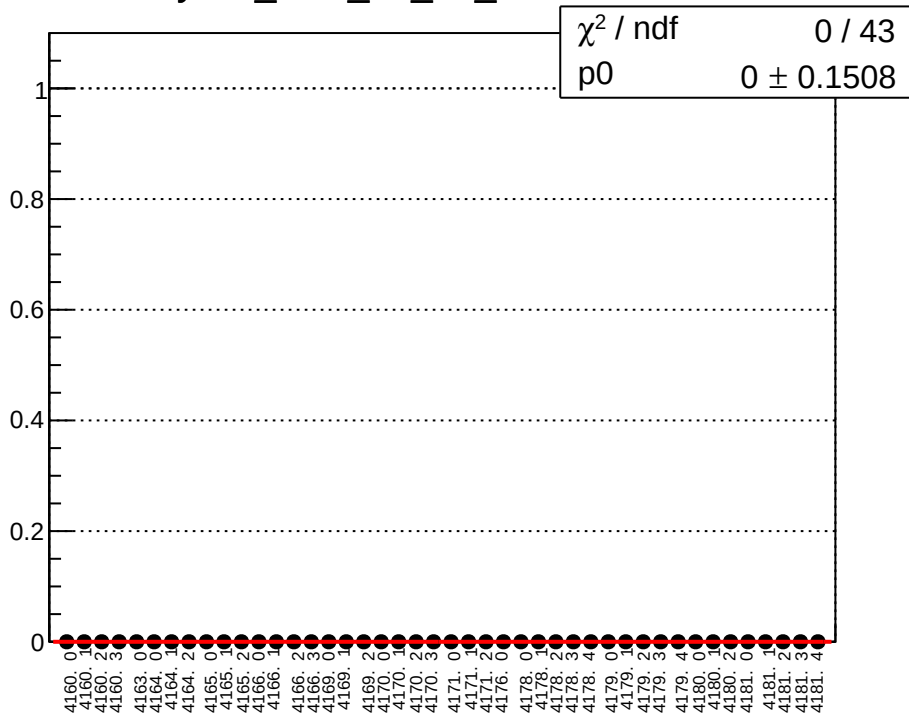
yield\_sam\_15\_dd\_mean vs run



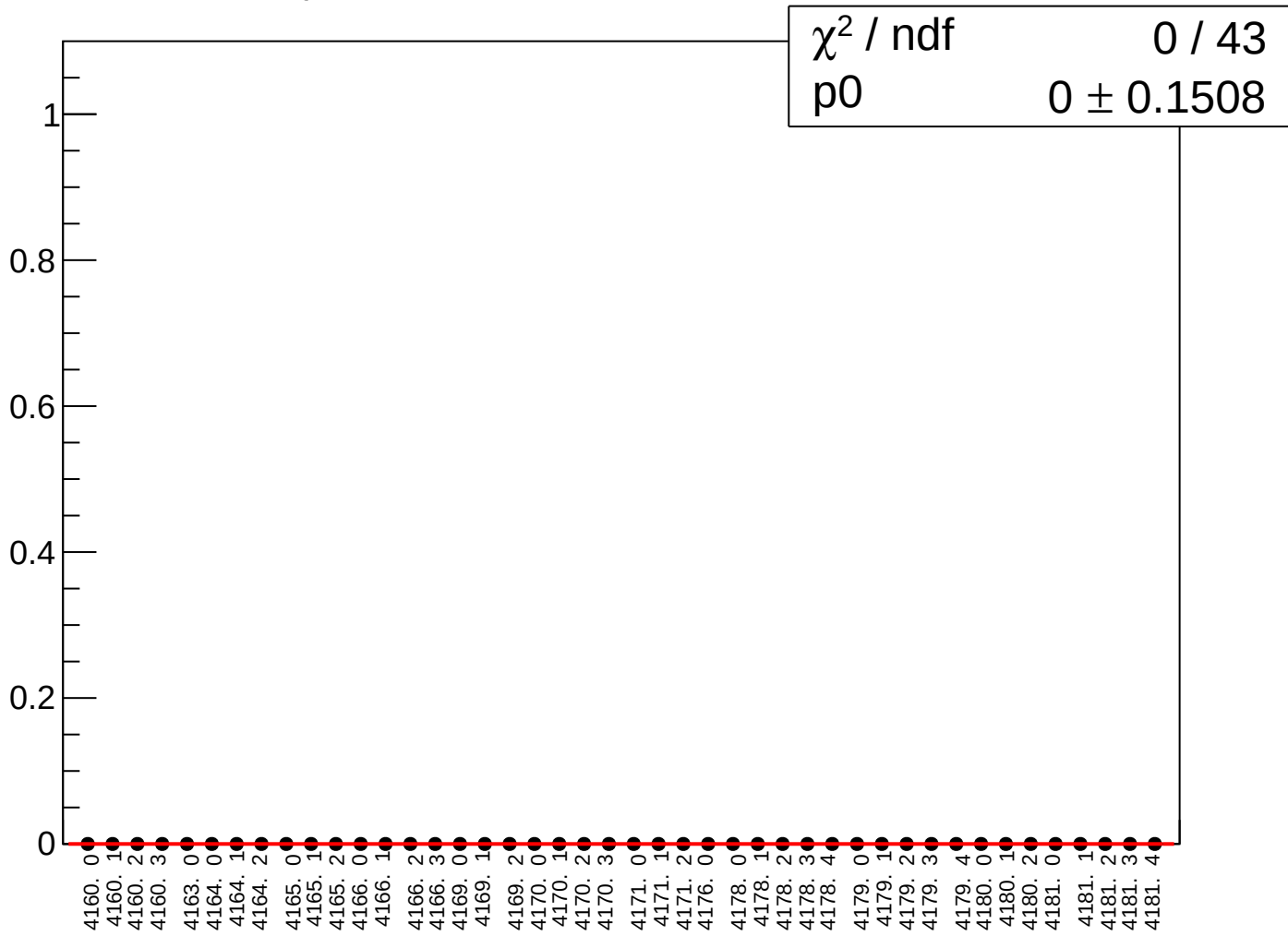
# yield\_sam\_15\_dd\_rms vs run



yield\_sam\_26\_dd\_mean vs run

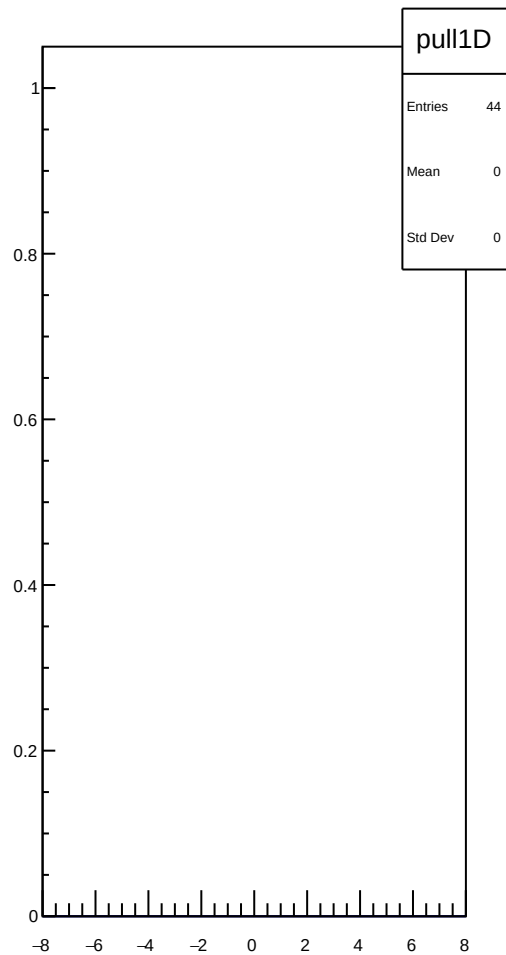
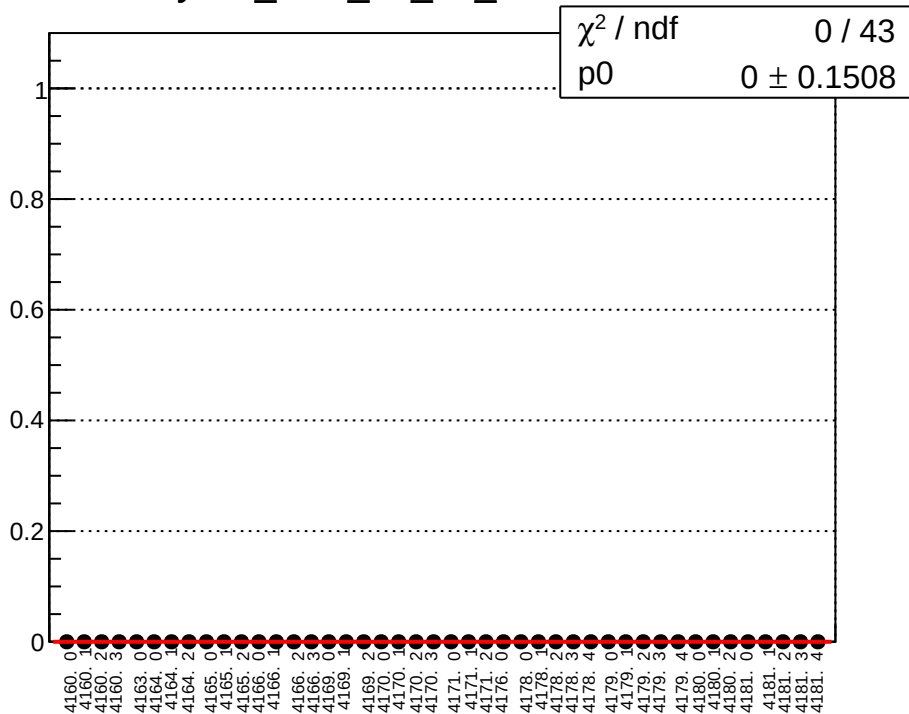


# yield\_sam\_26\_dd\_rms vs run

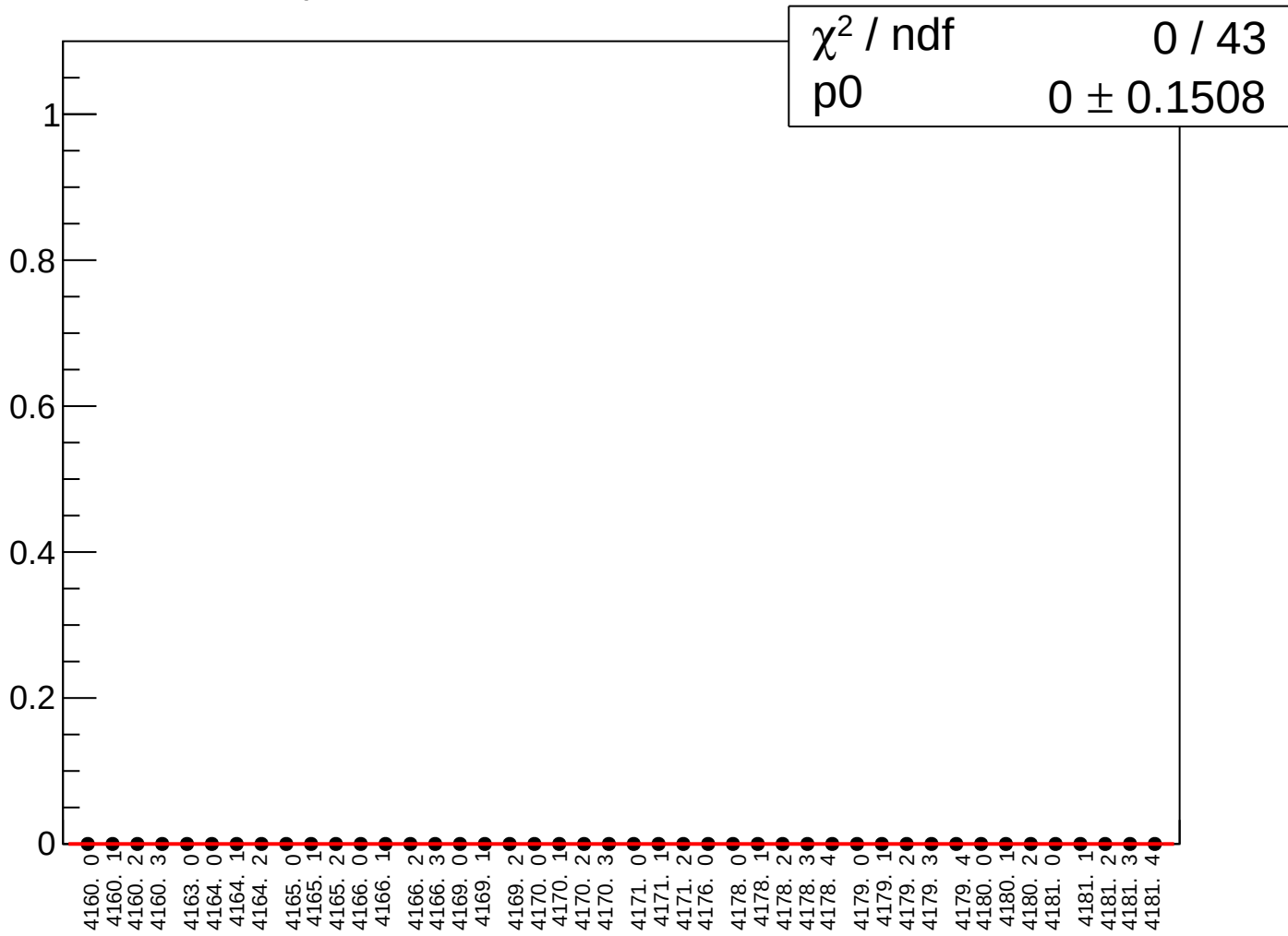




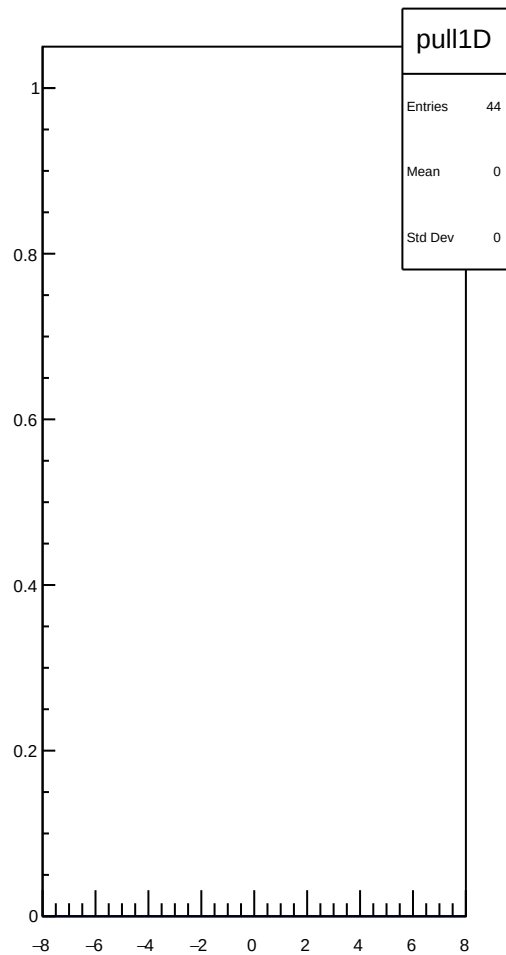
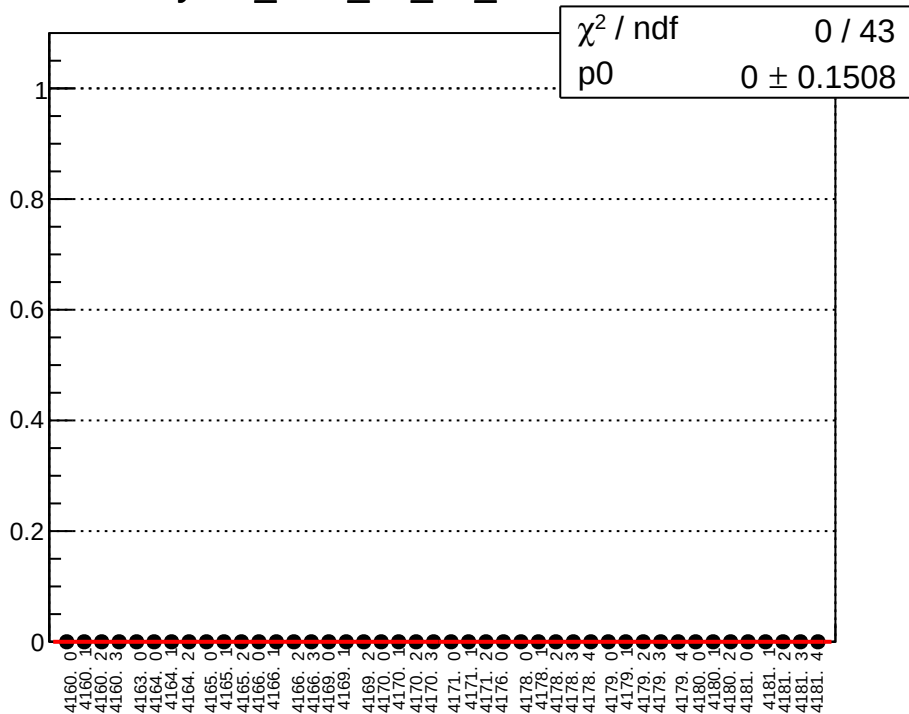
yield\_sam\_37\_dd\_mean vs run



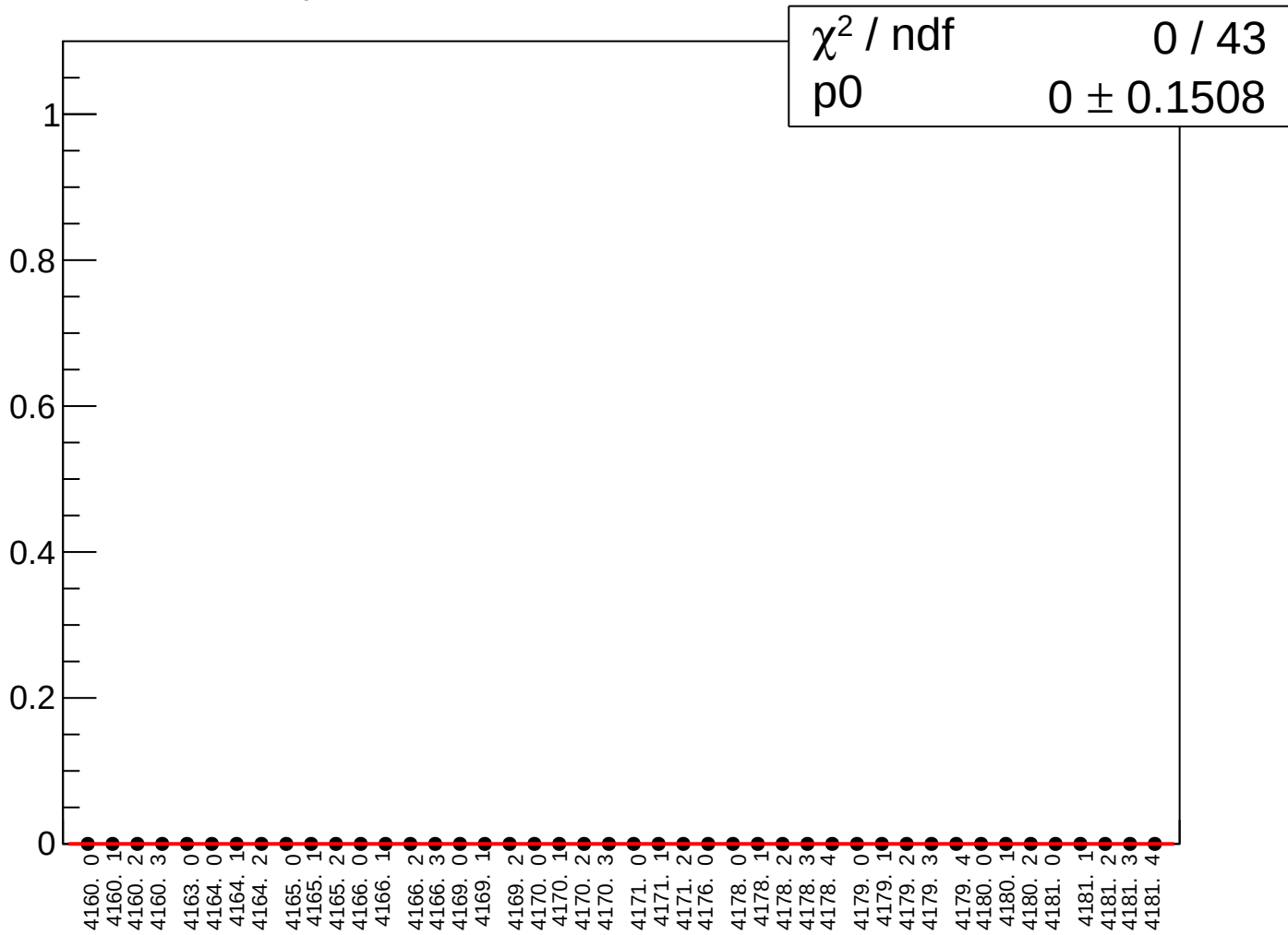
# yield\_sam\_37\_dd\_rms vs run



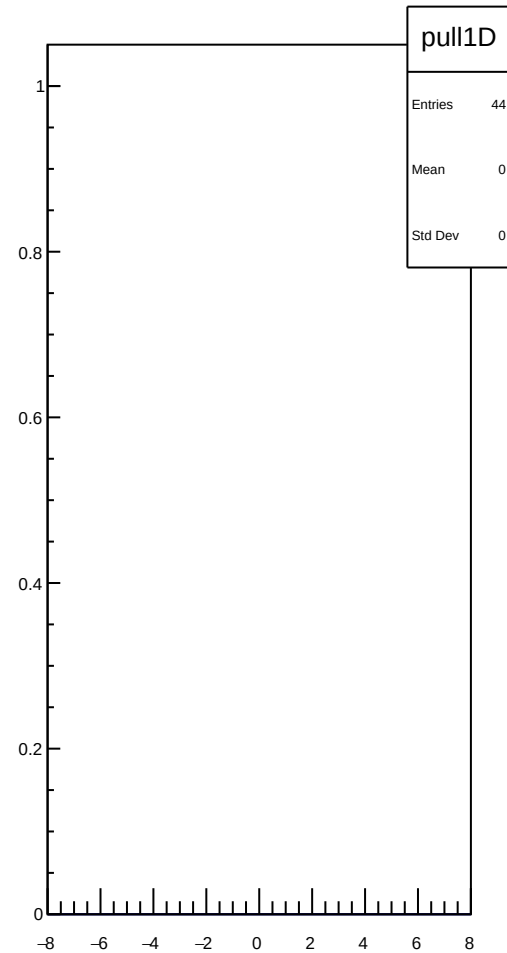
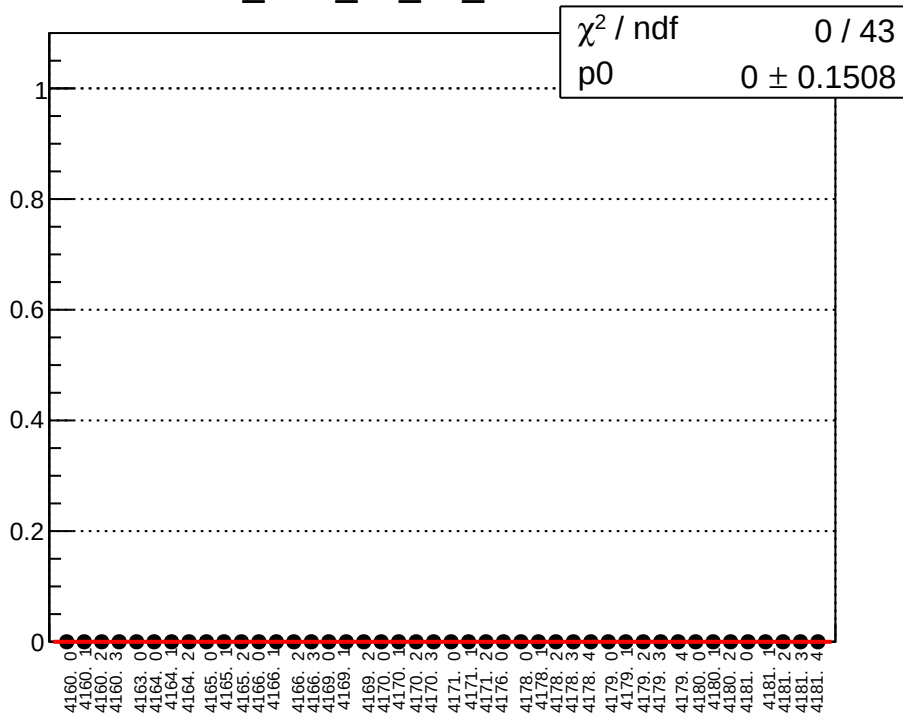
yield\_sam\_48\_dd\_mean vs run



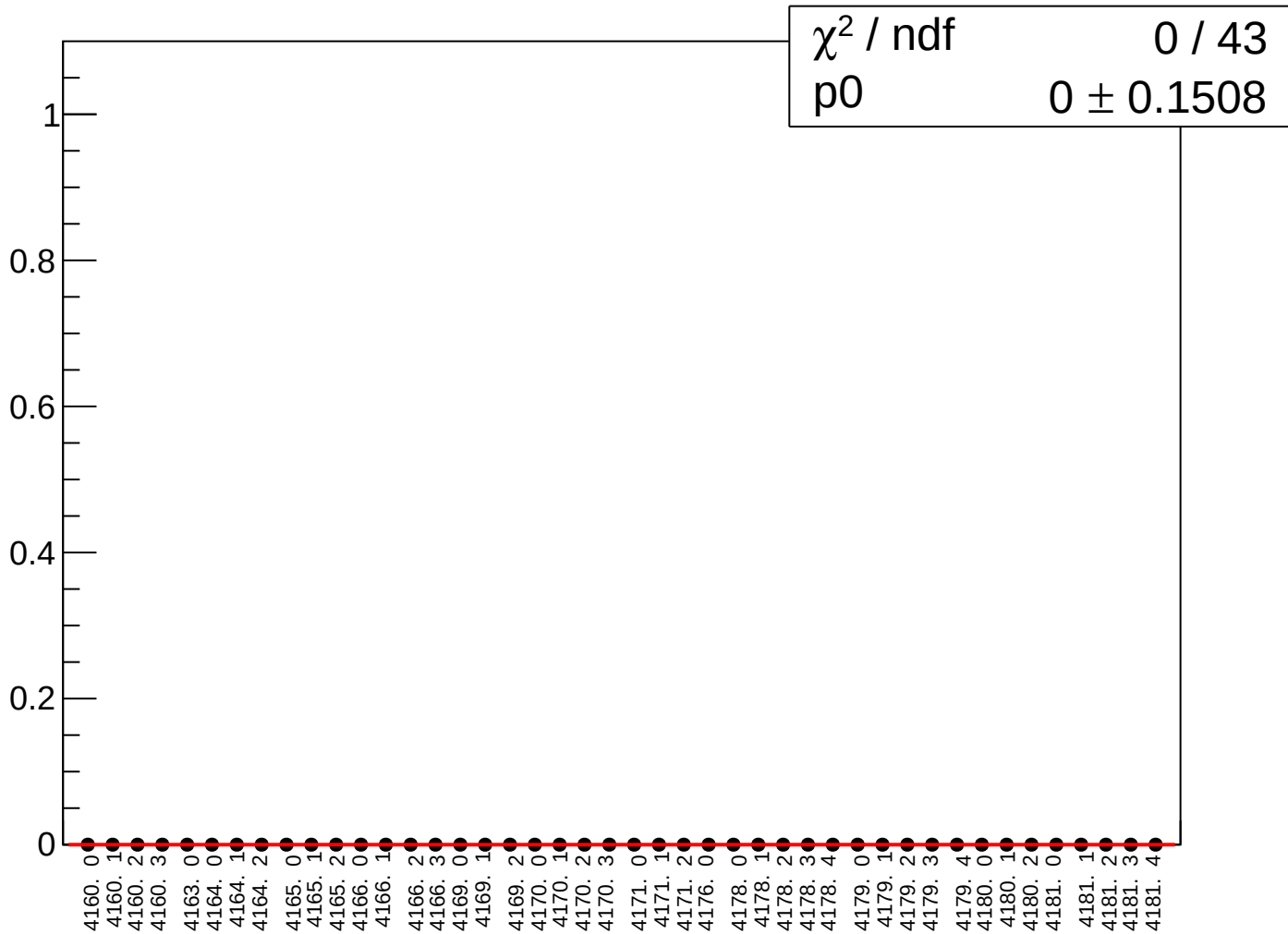
# yield\_sam\_48\_dd\_rms vs run



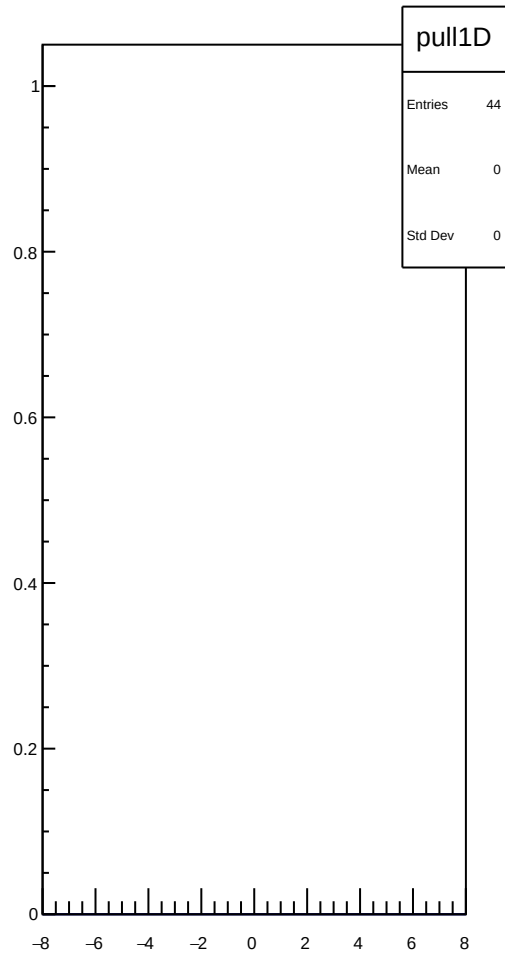
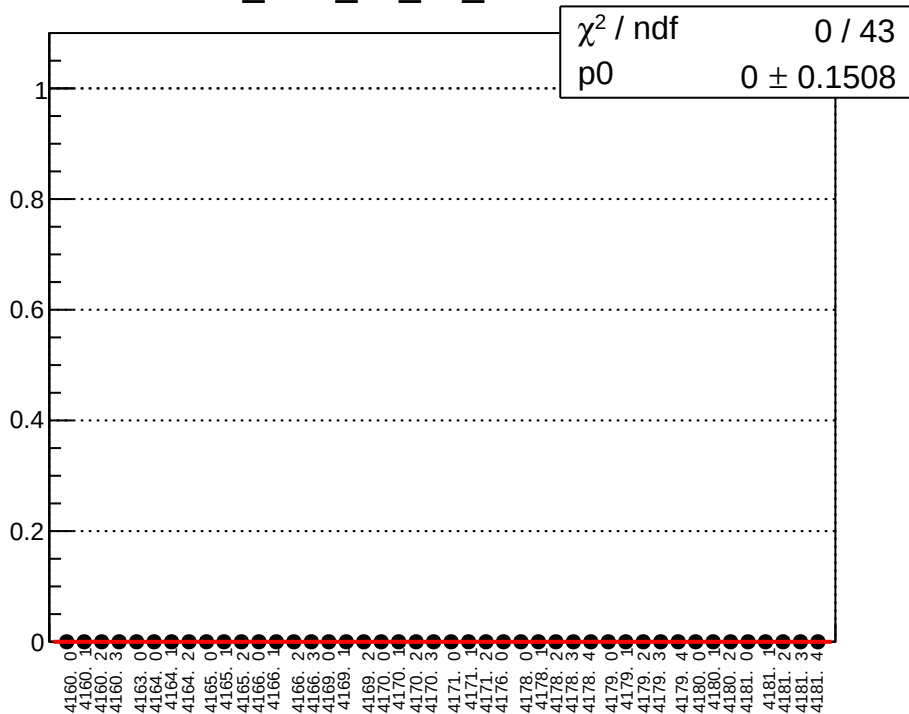
cor\_sam\_15\_dd\_mean vs run



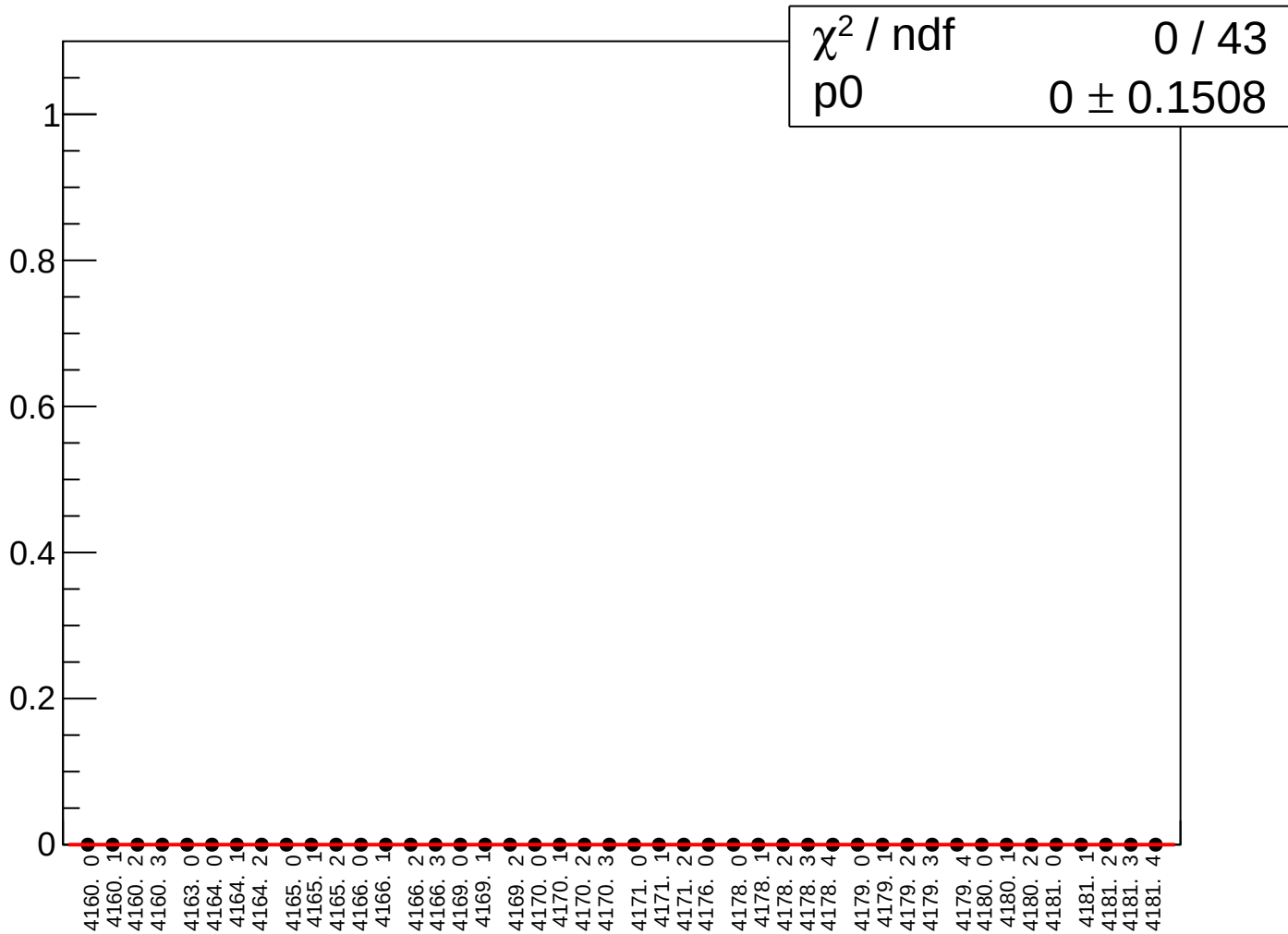
# cor\_sam\_15\_dd\_rms vs run



cor\_sam\_26\_dd\_mean vs run

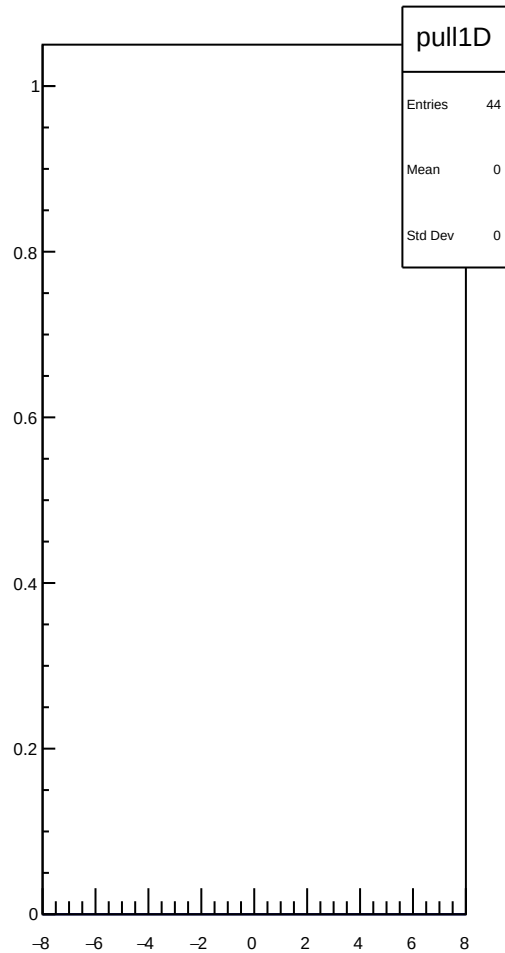
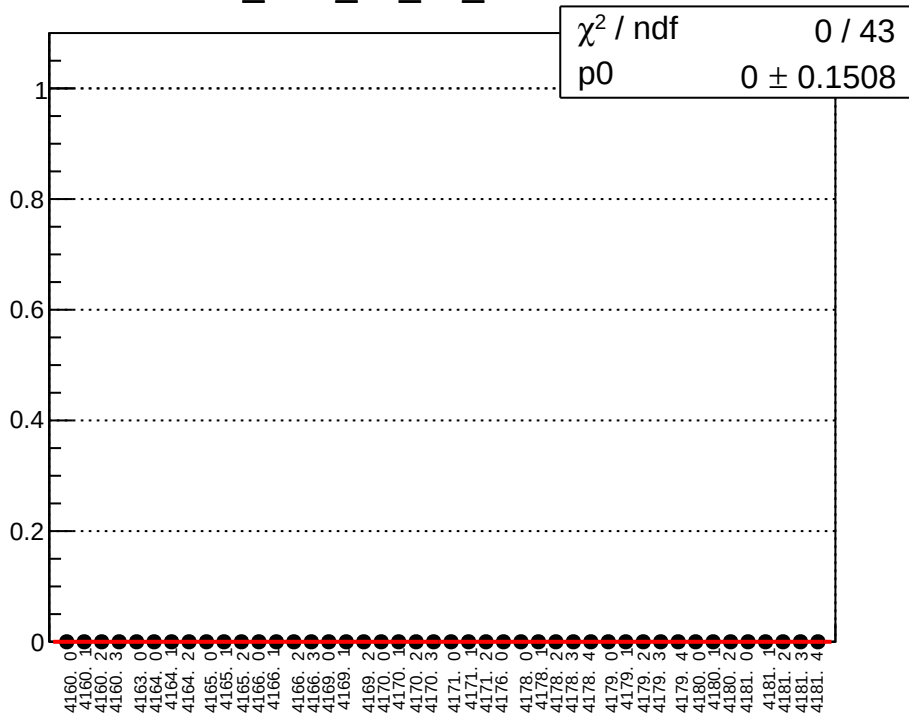


# cor\_sam\_26\_dd\_rms vs run

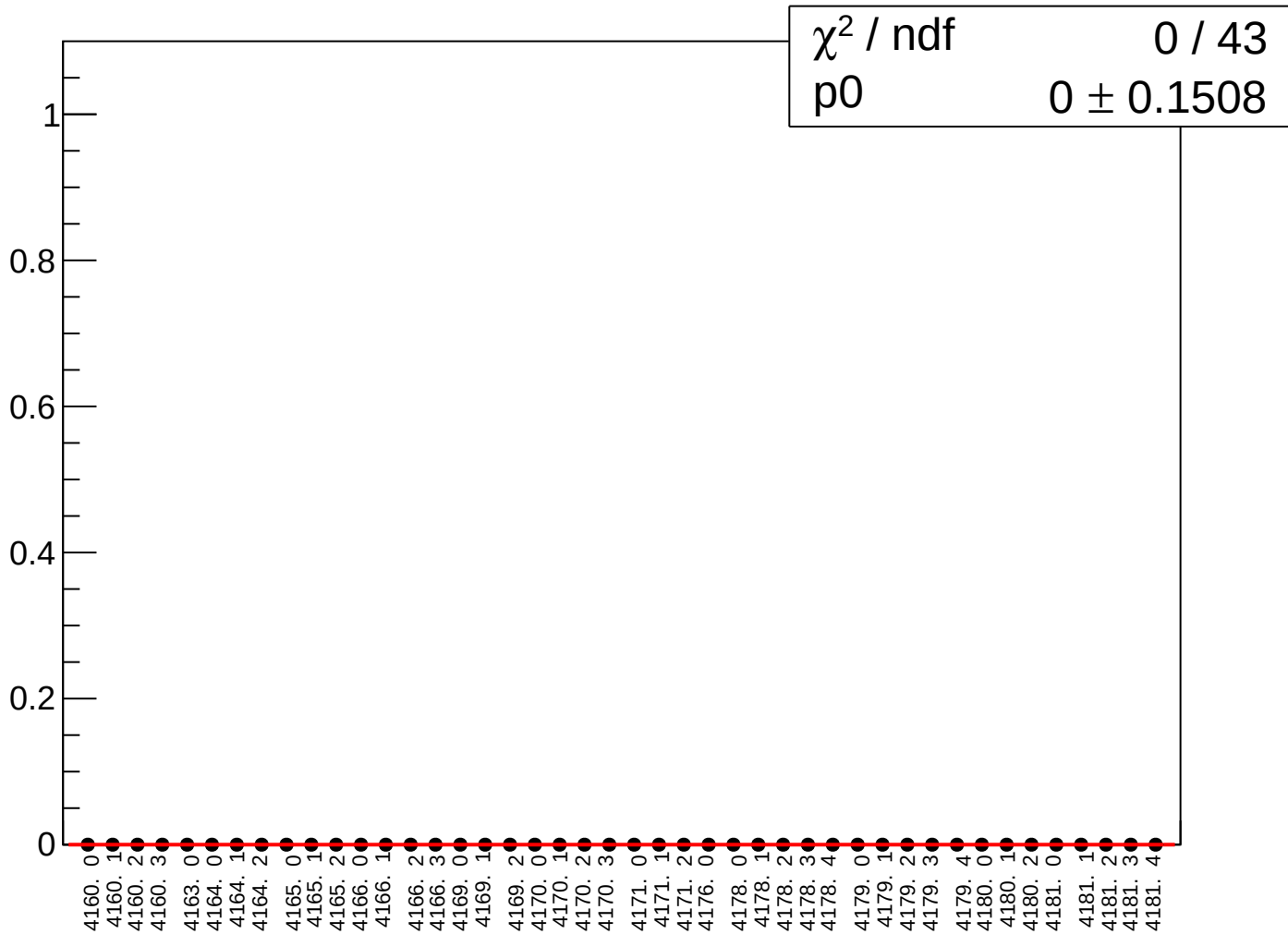




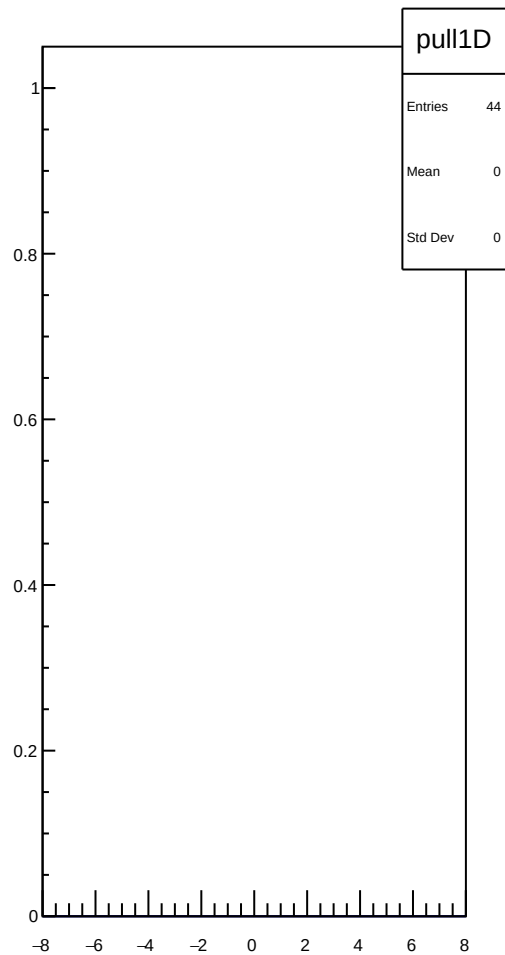
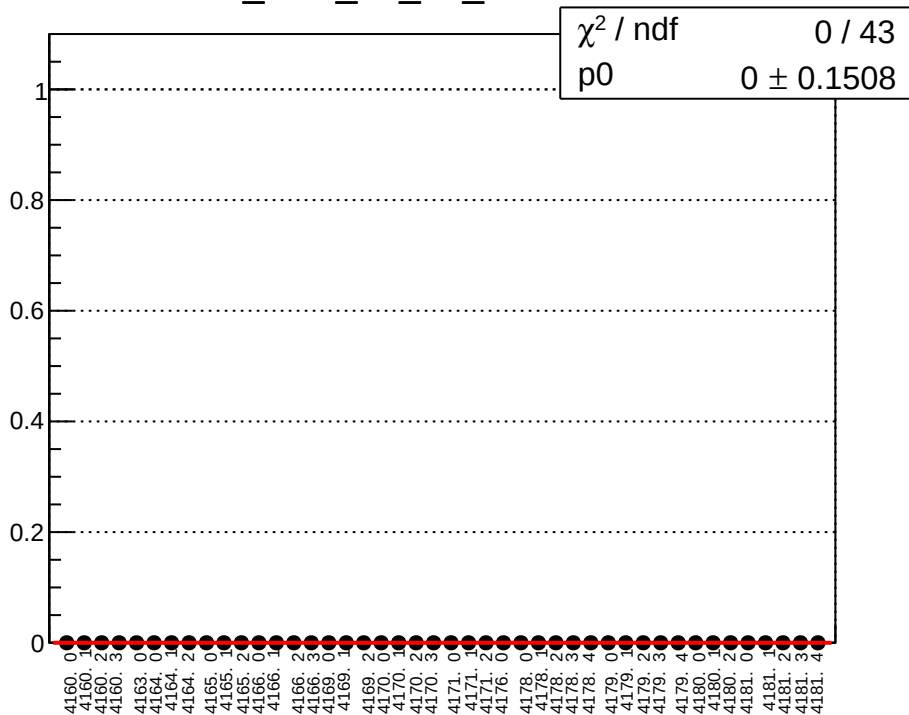
cor\_sam\_37\_dd\_mean vs run



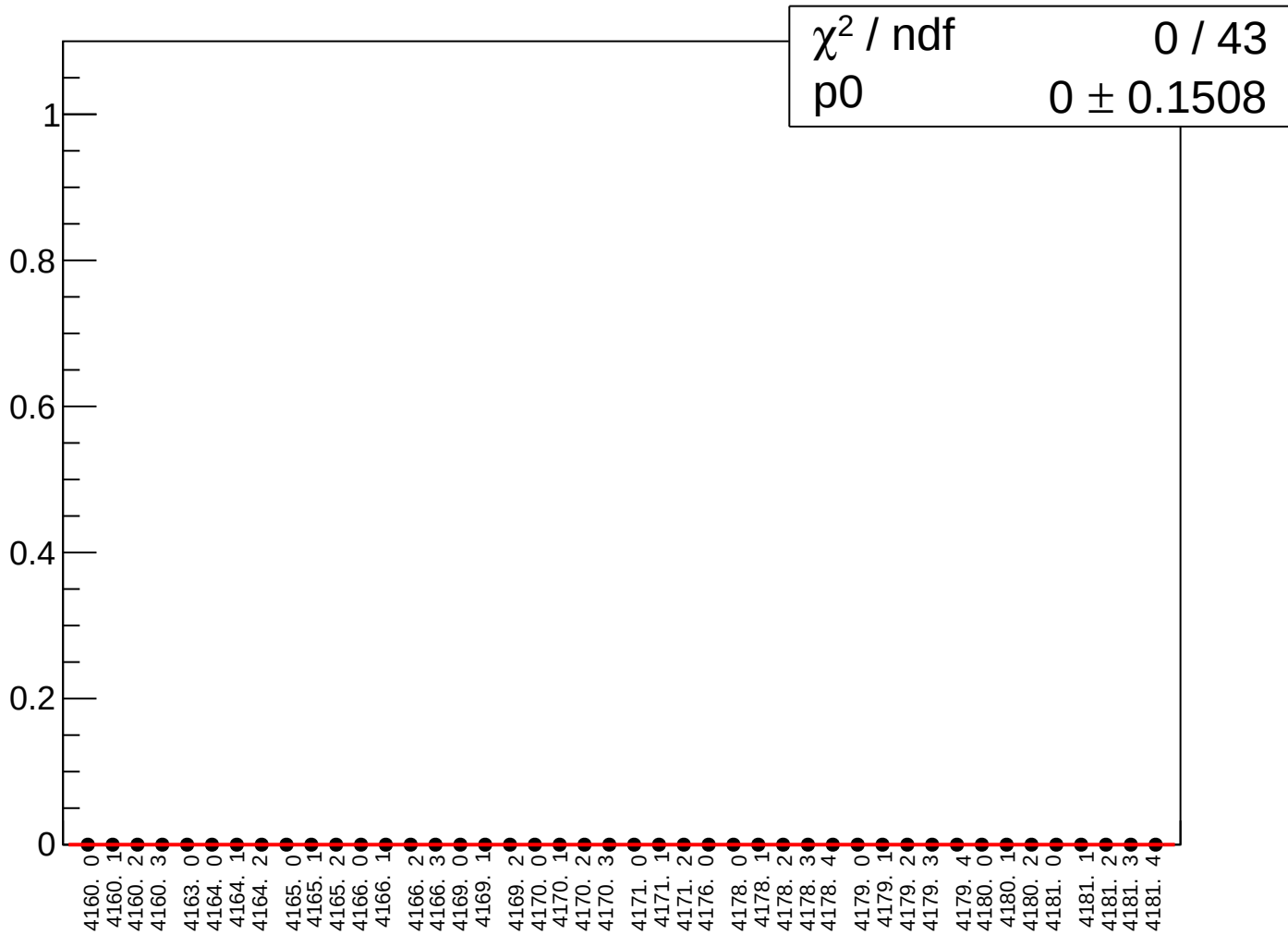
# cor\_sam\_37\_dd\_rms vs run



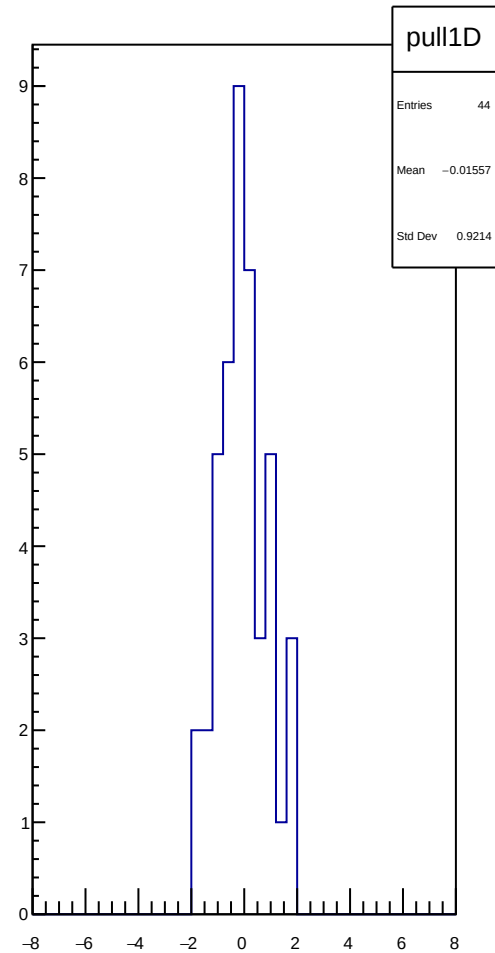
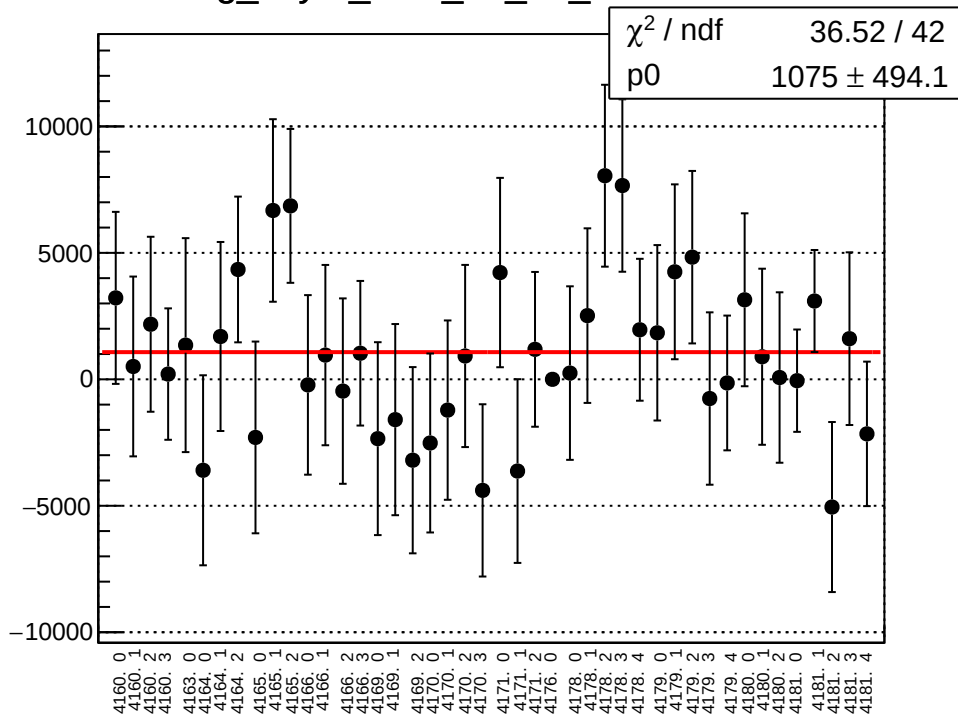
cor\_sam\_48\_dd\_mean vs run



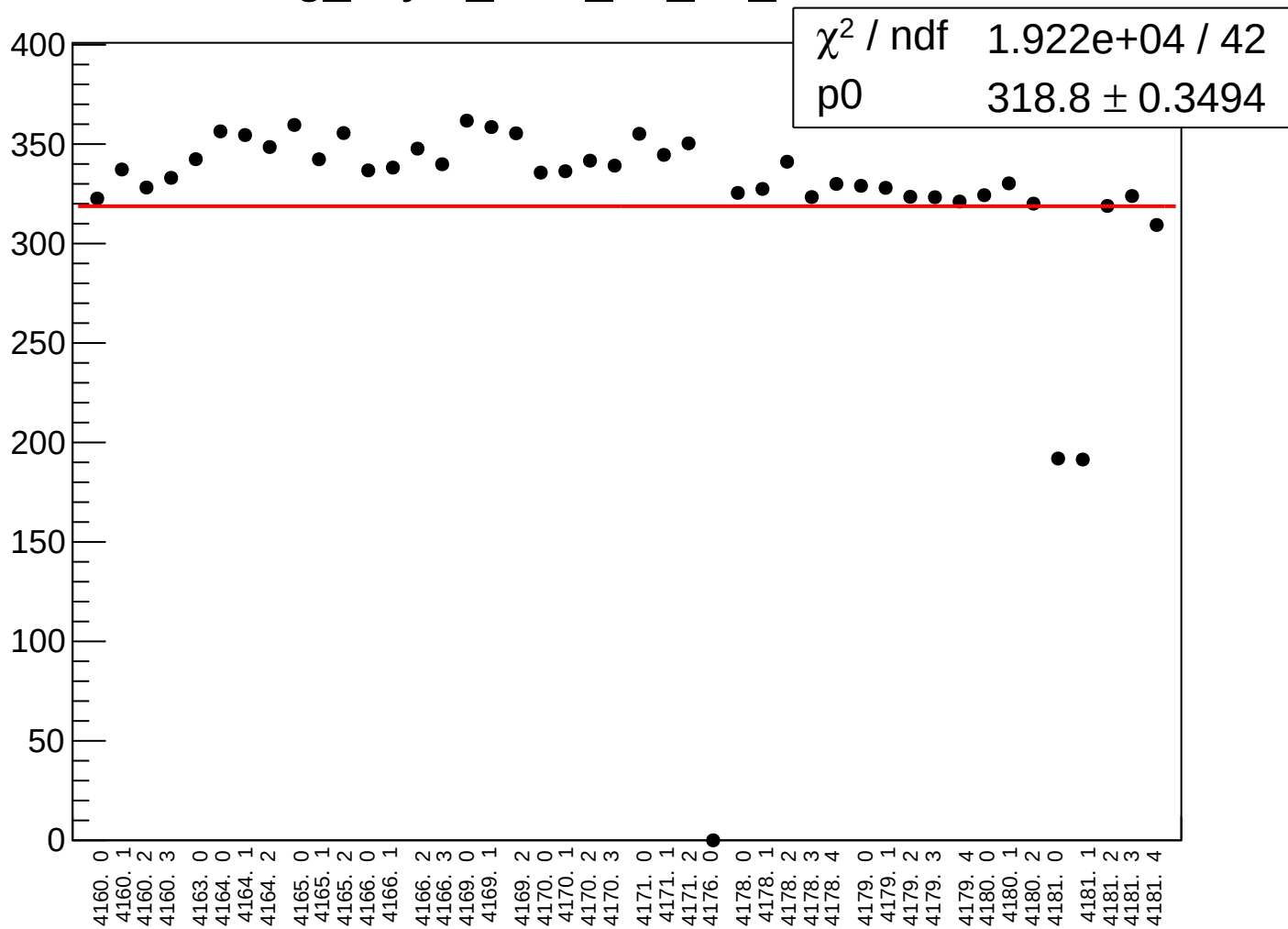
# cor\_sam\_48\_dd\_rms vs run



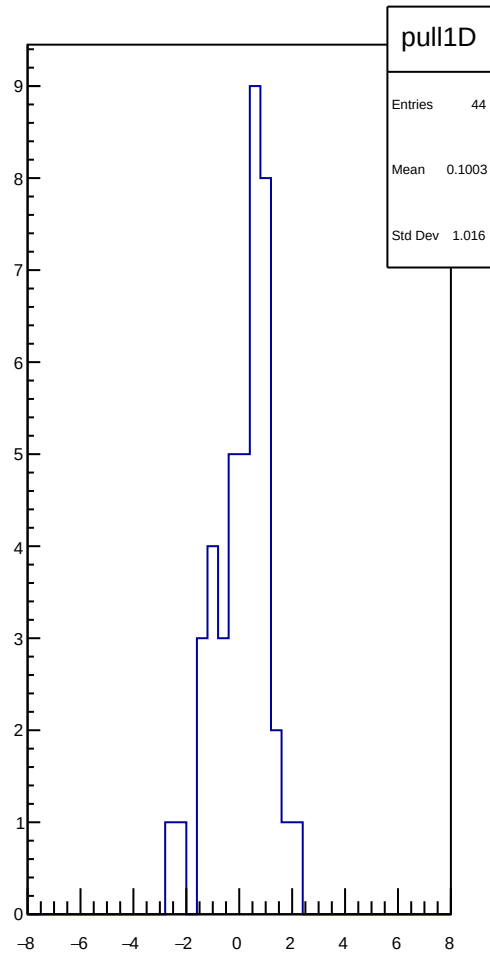
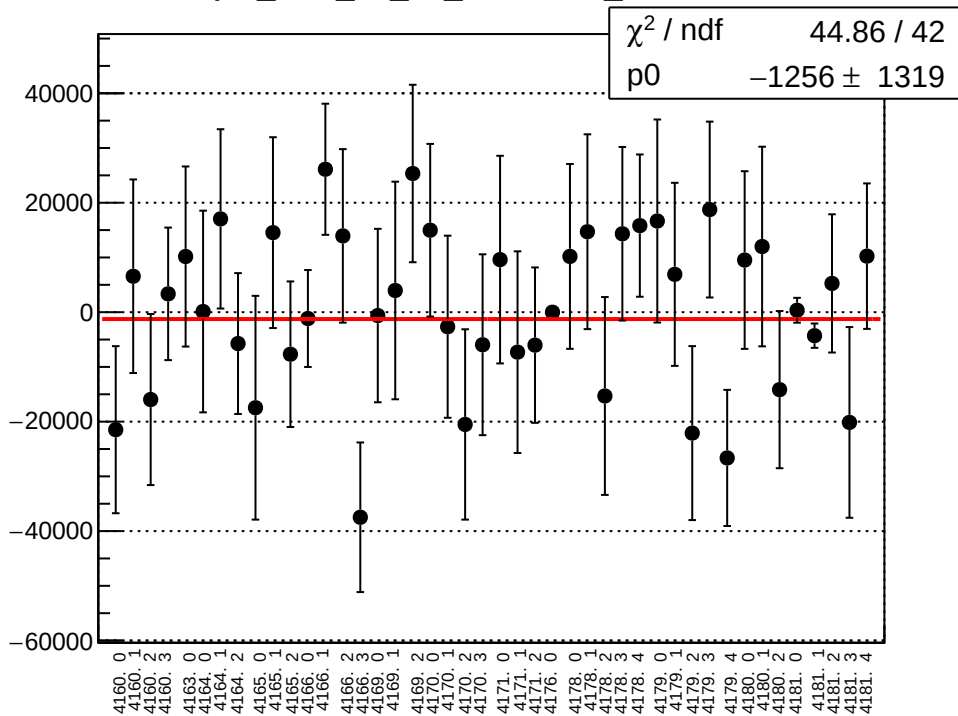
# reg\_asym\_sam\_15\_dd\_mean vs run



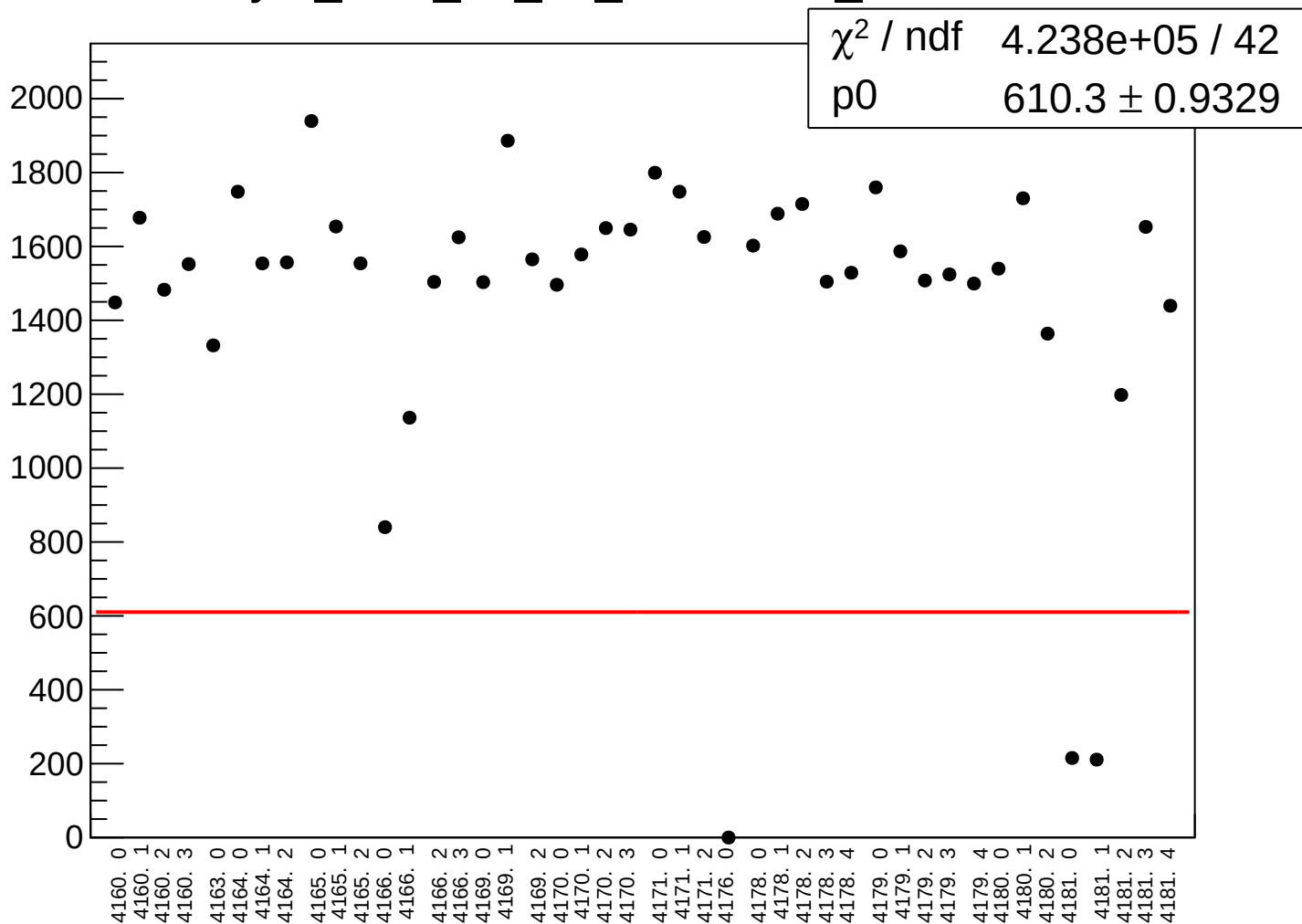
reg\_asym\_sam\_15\_dd\_rms vs run



asym\_sam\_15\_dd\_correction\_mean vs run

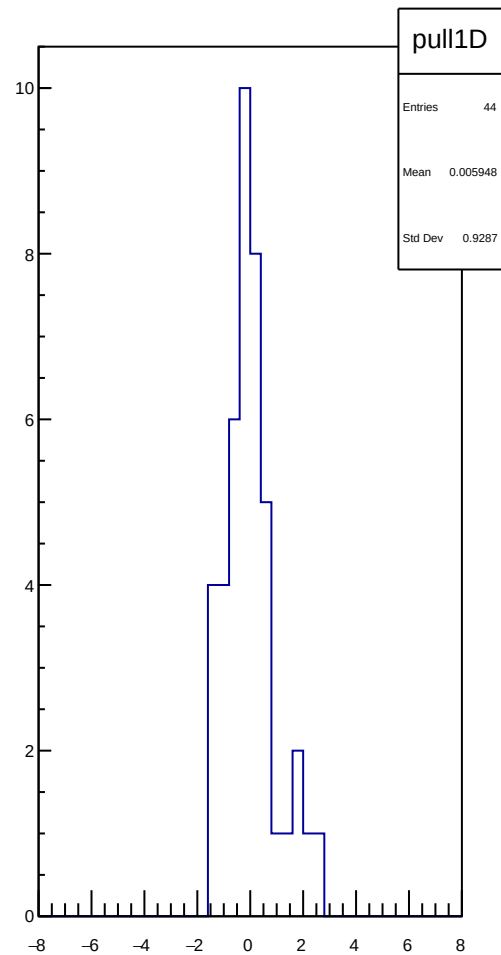
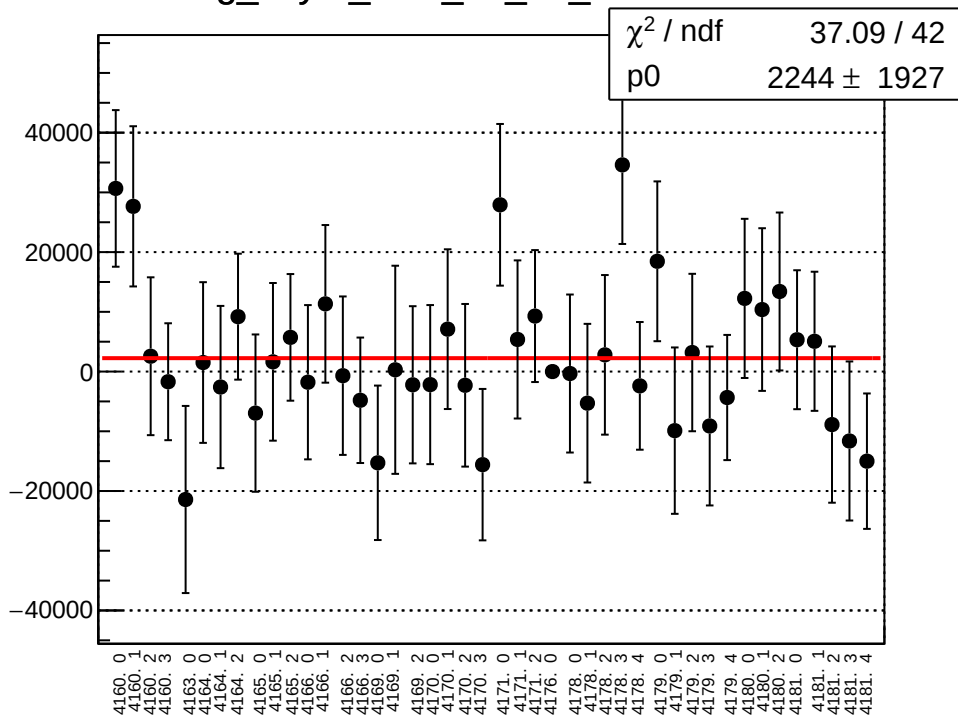


# asym\_sam\_15\_dd\_correction\_rms vs run

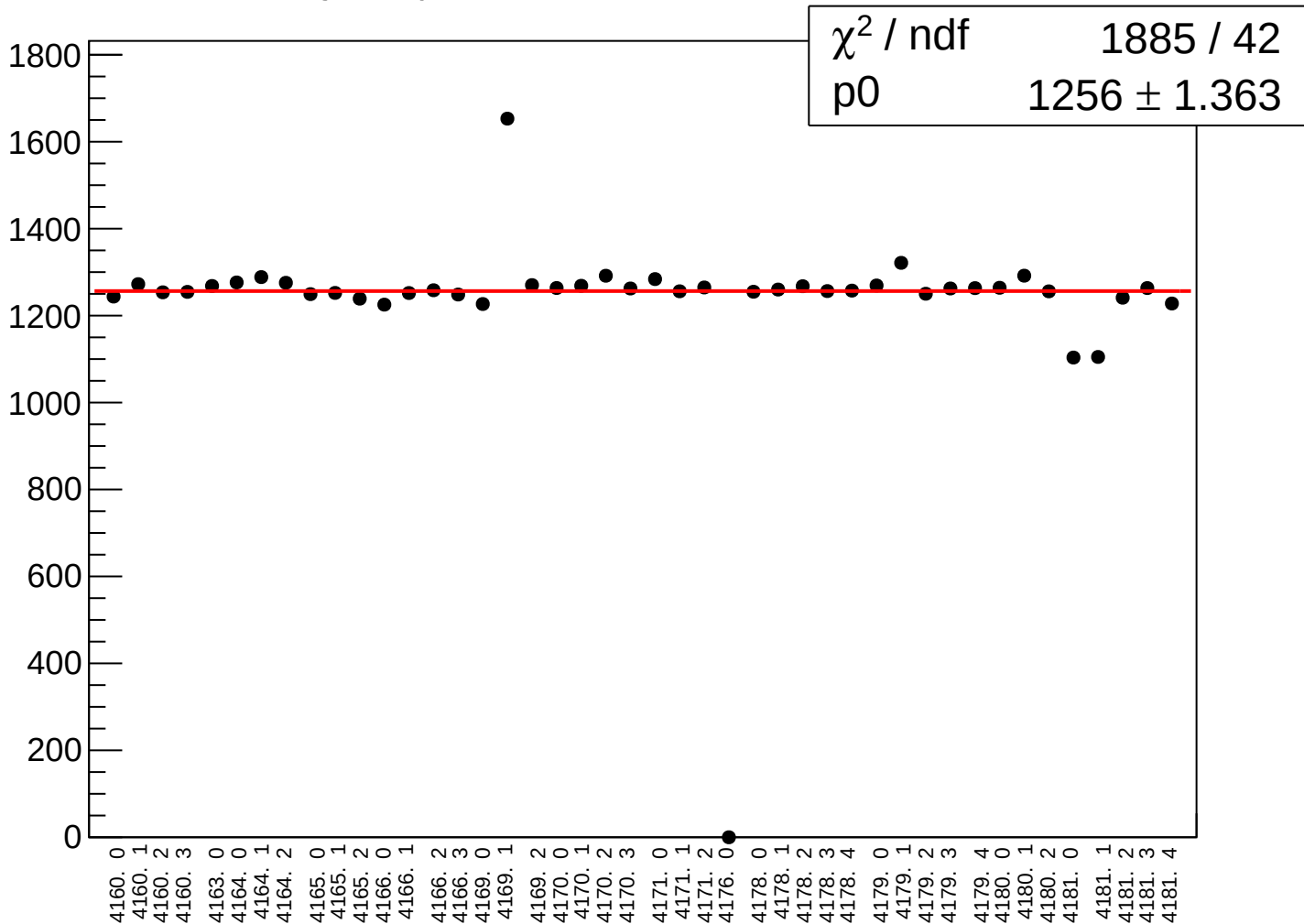




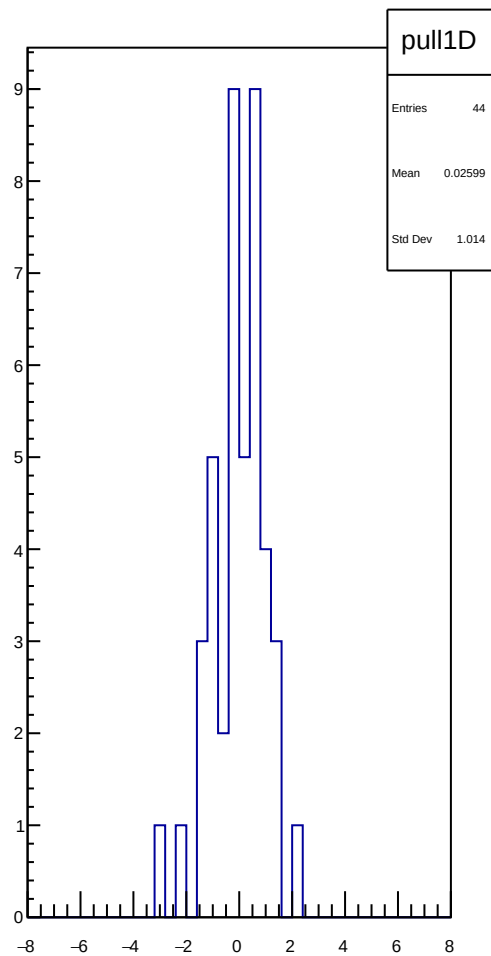
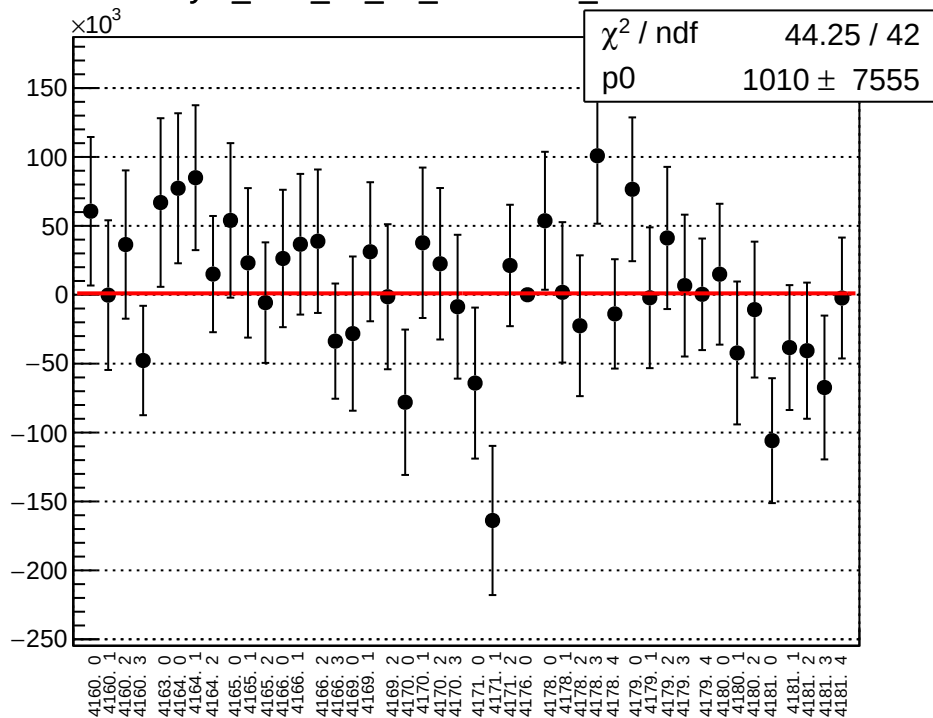
reg\_asym\_sam\_26\_dd\_mean vs run



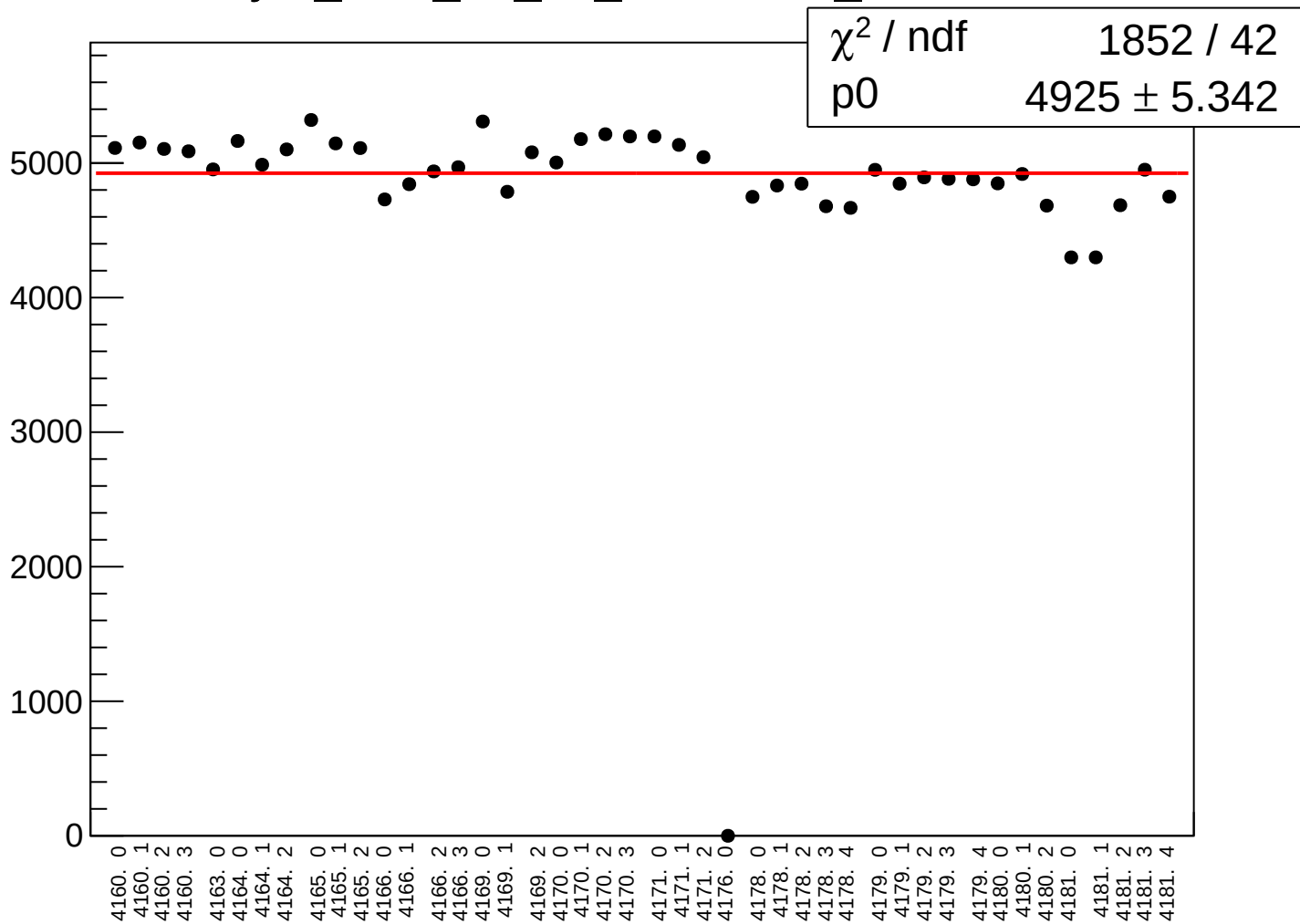
# reg\_asym\_sam\_26\_dd\_rms vs run



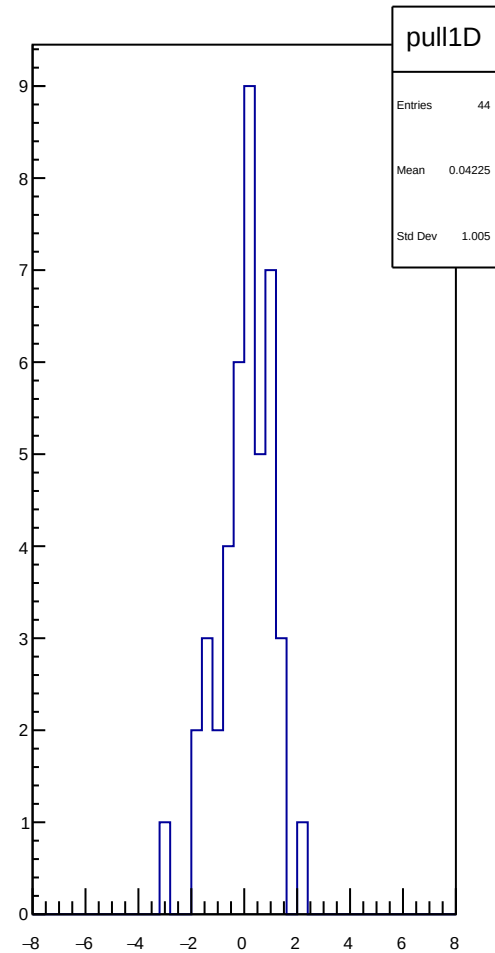
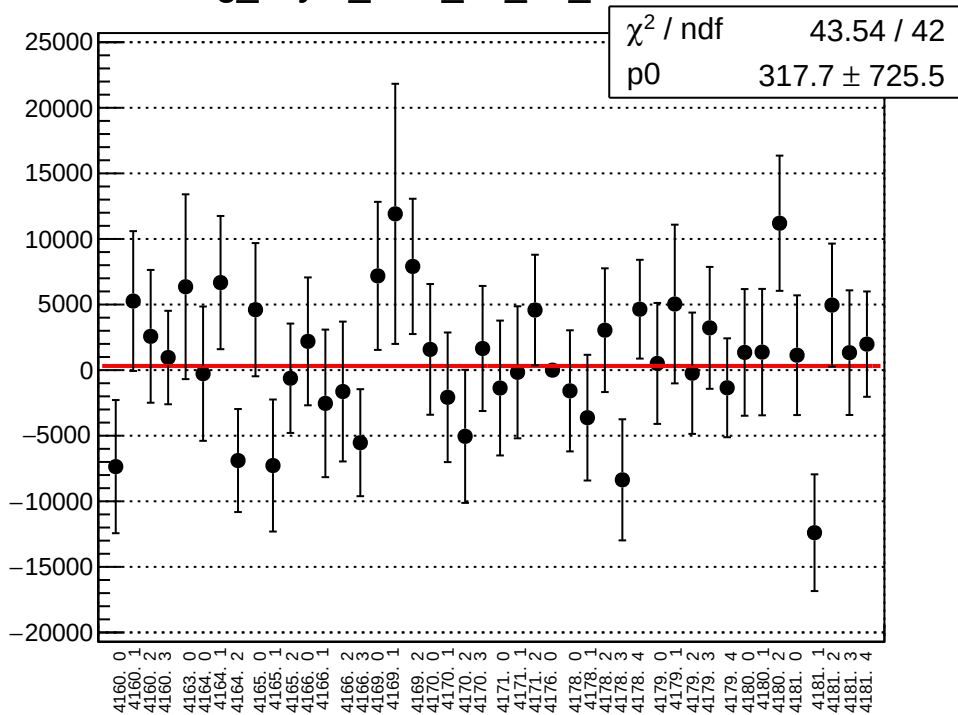
asym\_sam\_26\_dd\_correction\_mean vs run



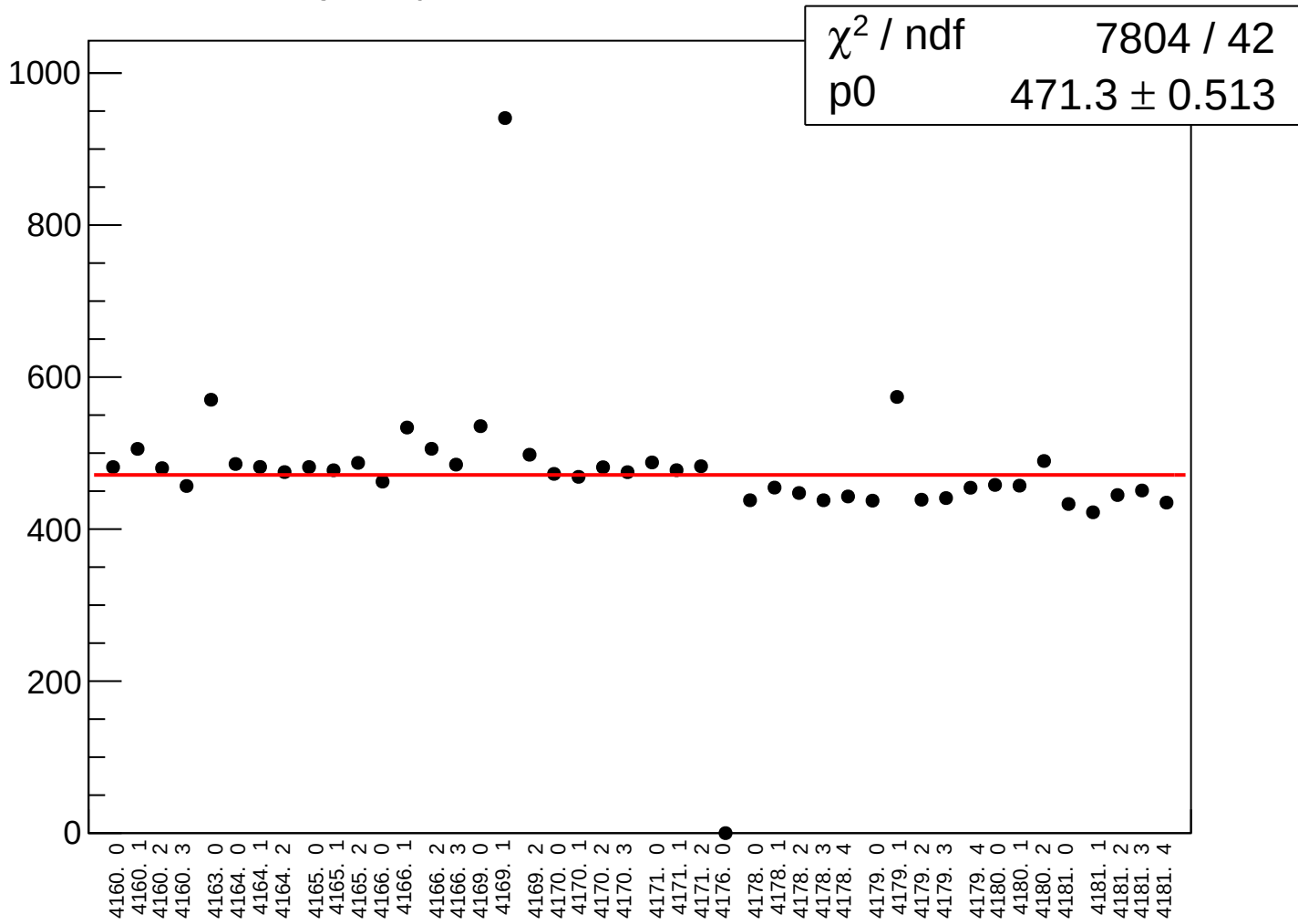
# asym\_sam\_26\_dd\_correction\_rms vs run



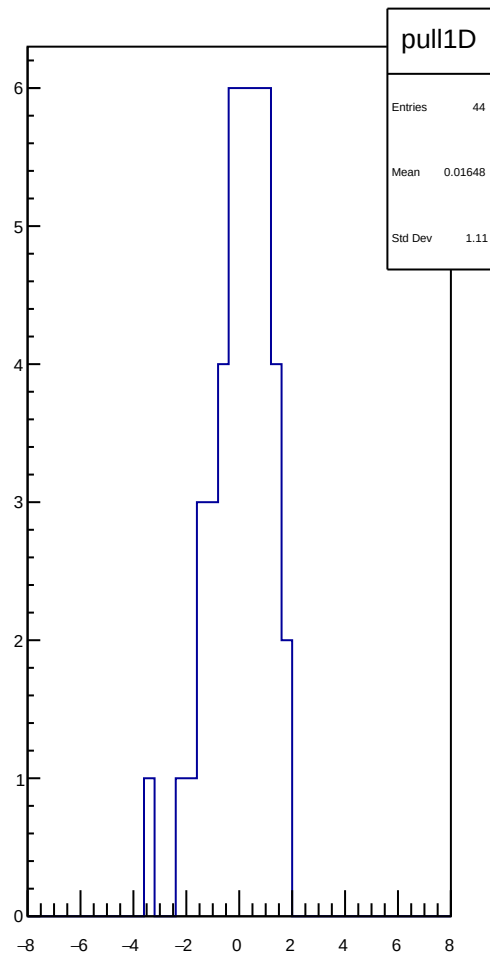
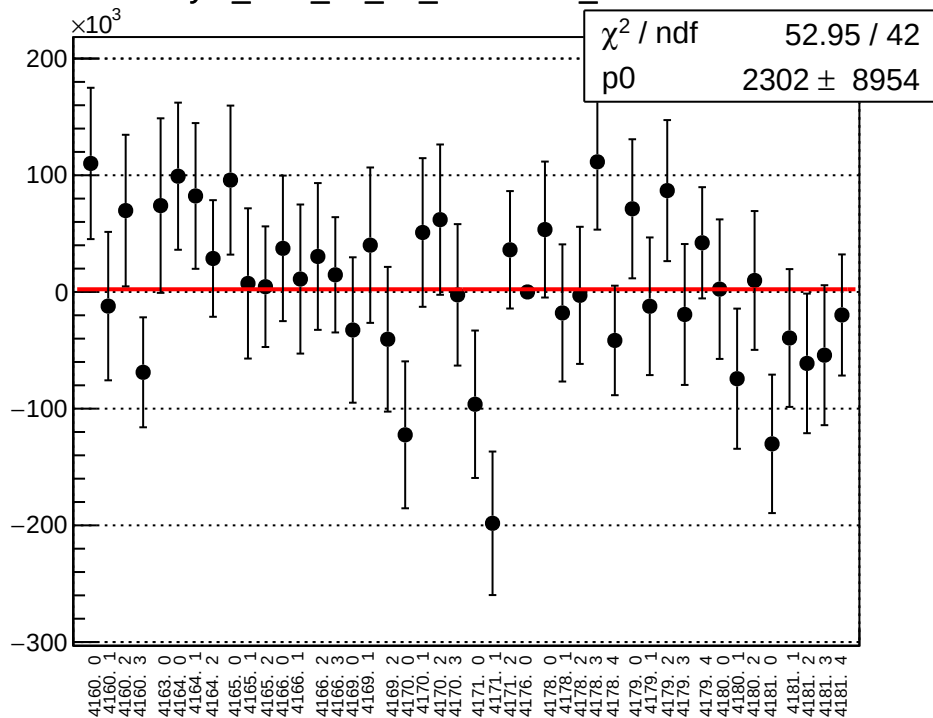
# reg\_asym\_sam\_37\_dd\_mean vs run



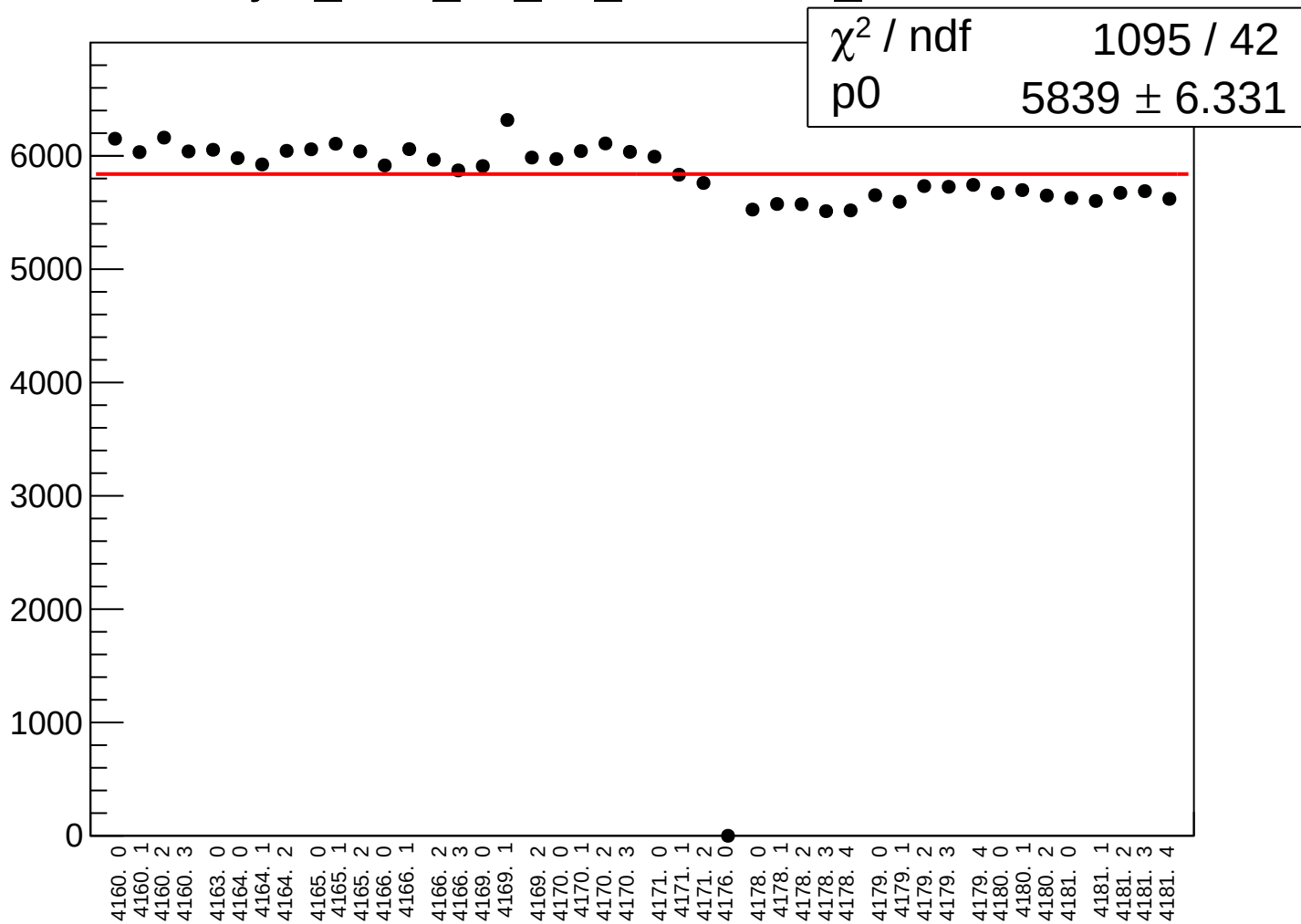
# reg\_asym\_sam\_37\_dd\_rms vs run



asym\_sam\_37\_dd\_correction\_mean vs run

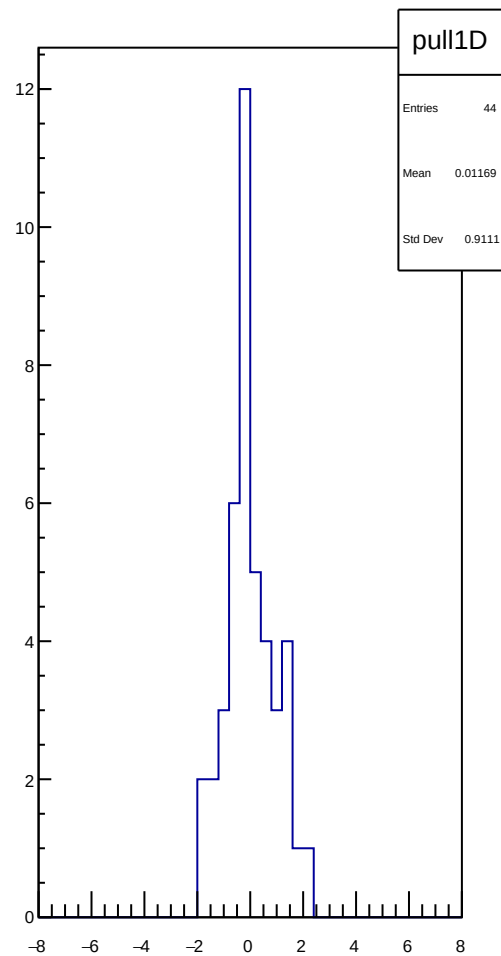
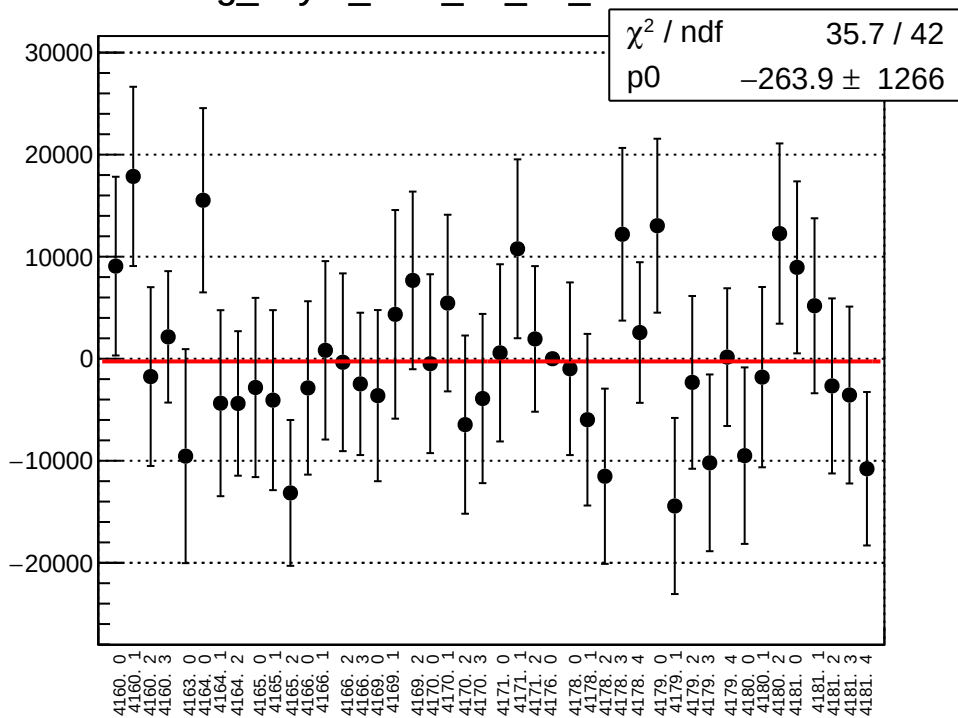


# asym\_sam\_37\_dd\_correction\_rms vs run

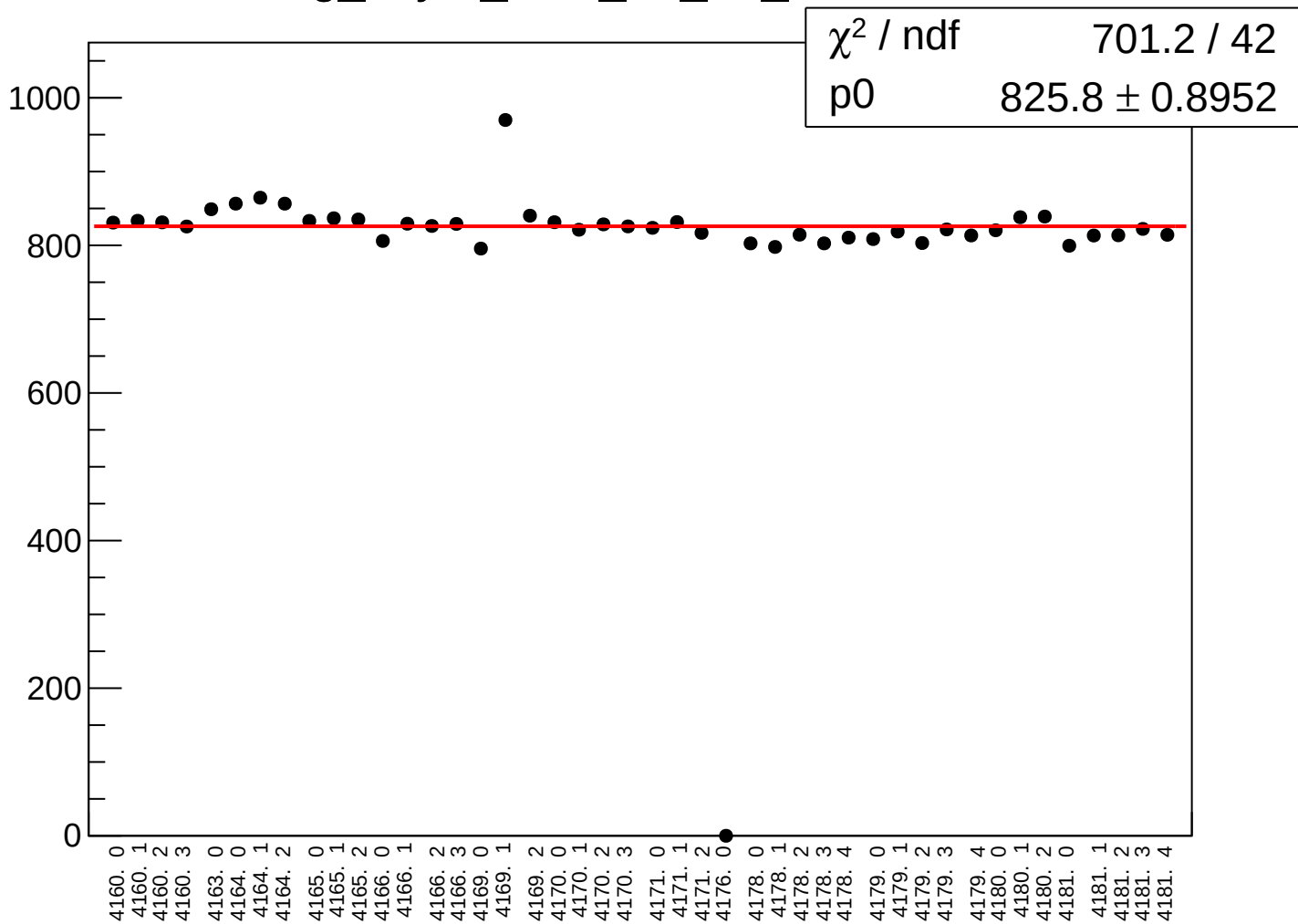




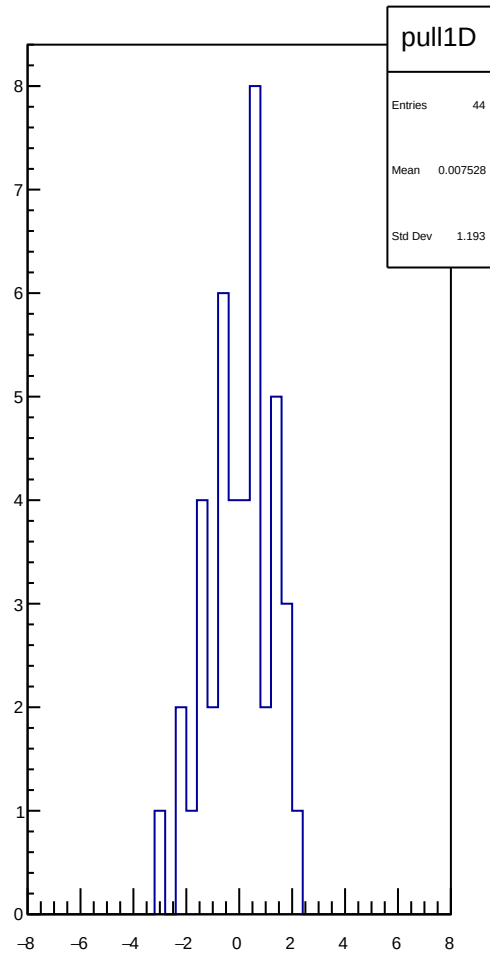
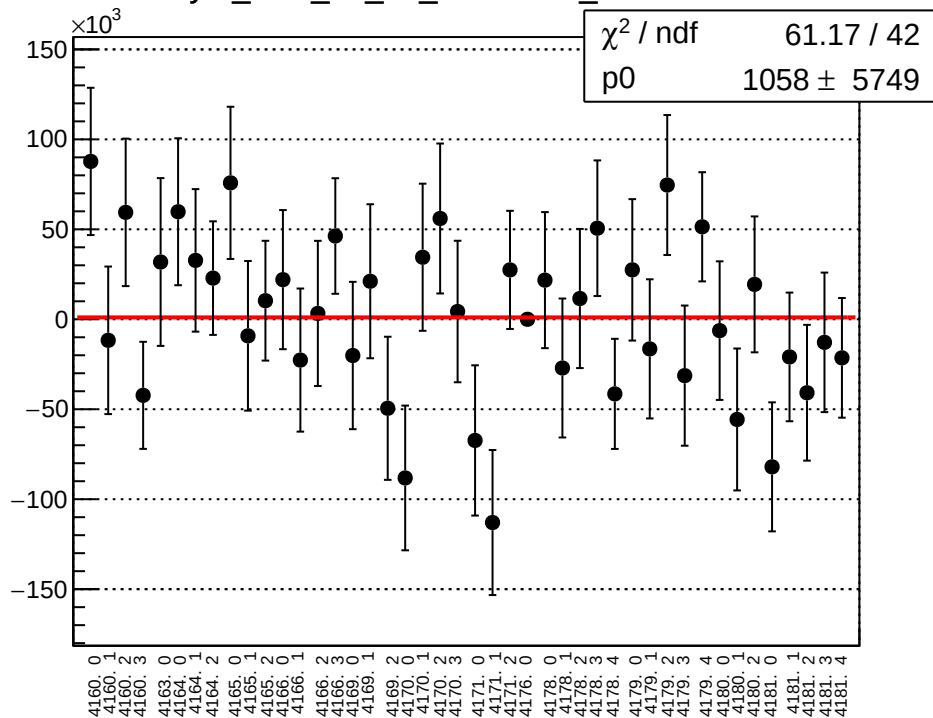
reg\_asym\_sam\_48\_dd\_mean vs run



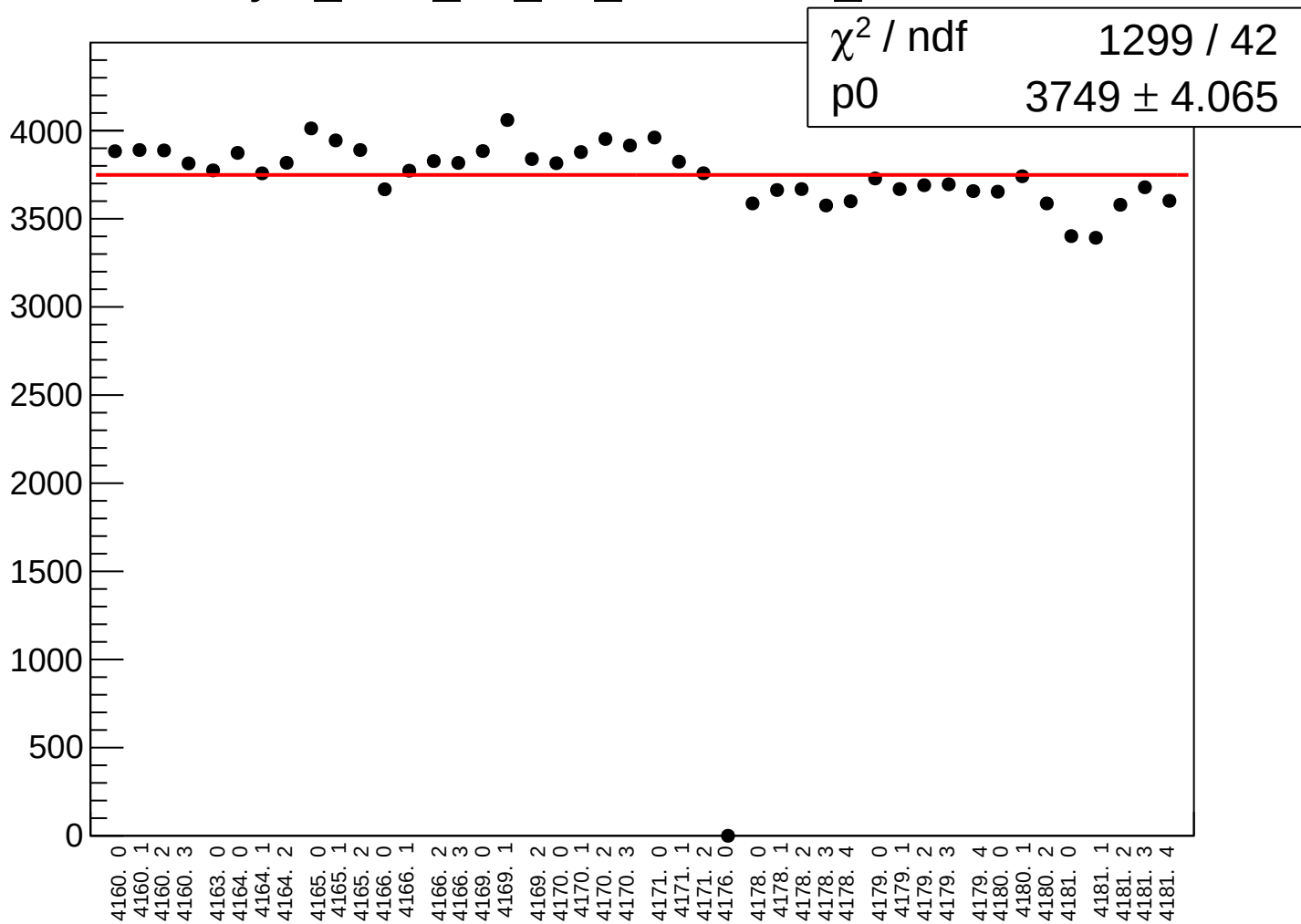
reg\_asym\_sam\_48\_dd\_rms vs run



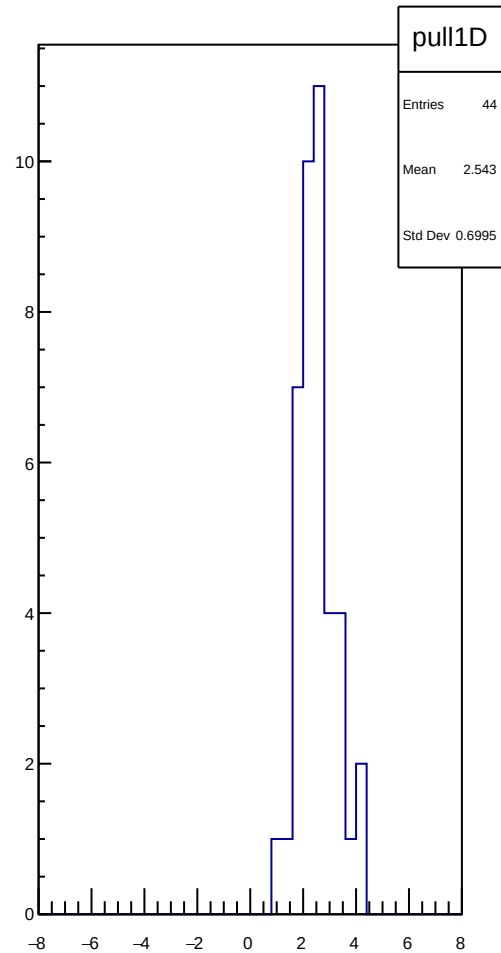
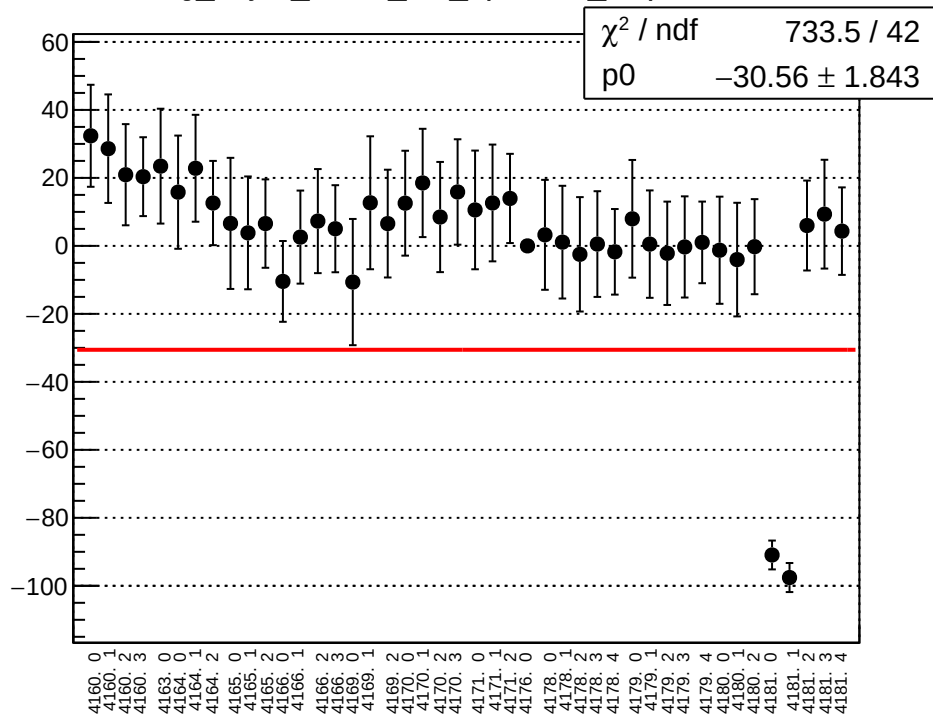
asym\_sam\_48\_dd\_correction\_mean vs run



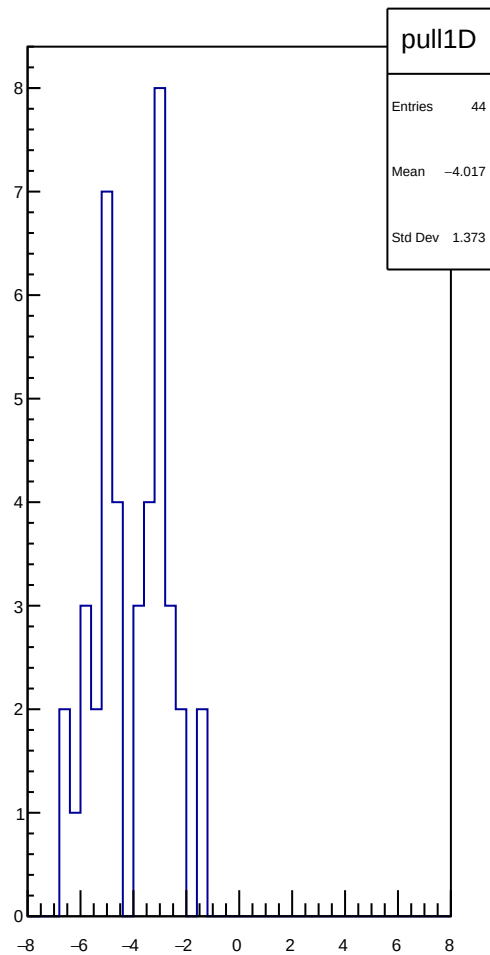
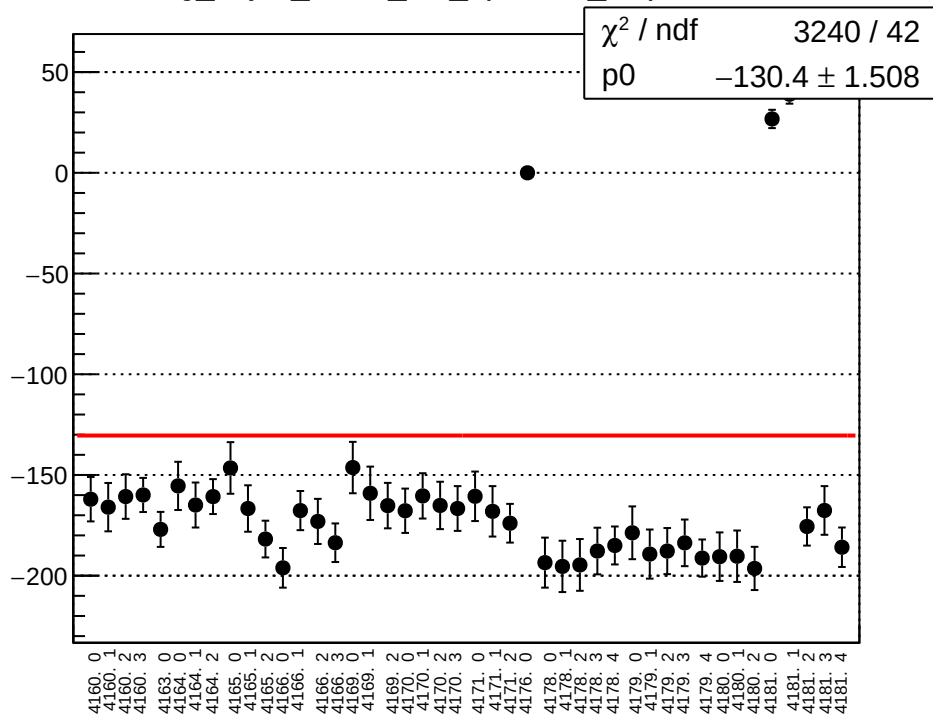
# asym\_sam\_48\_dd\_correction\_rms vs run



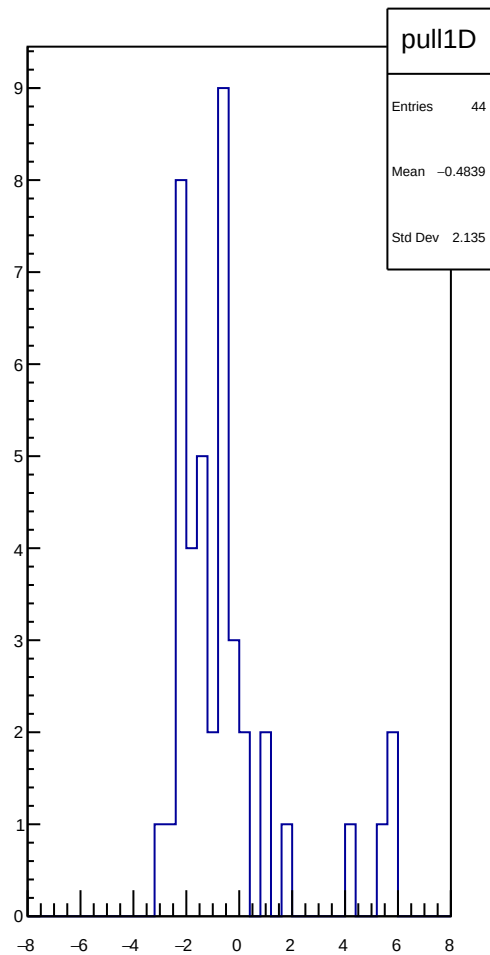
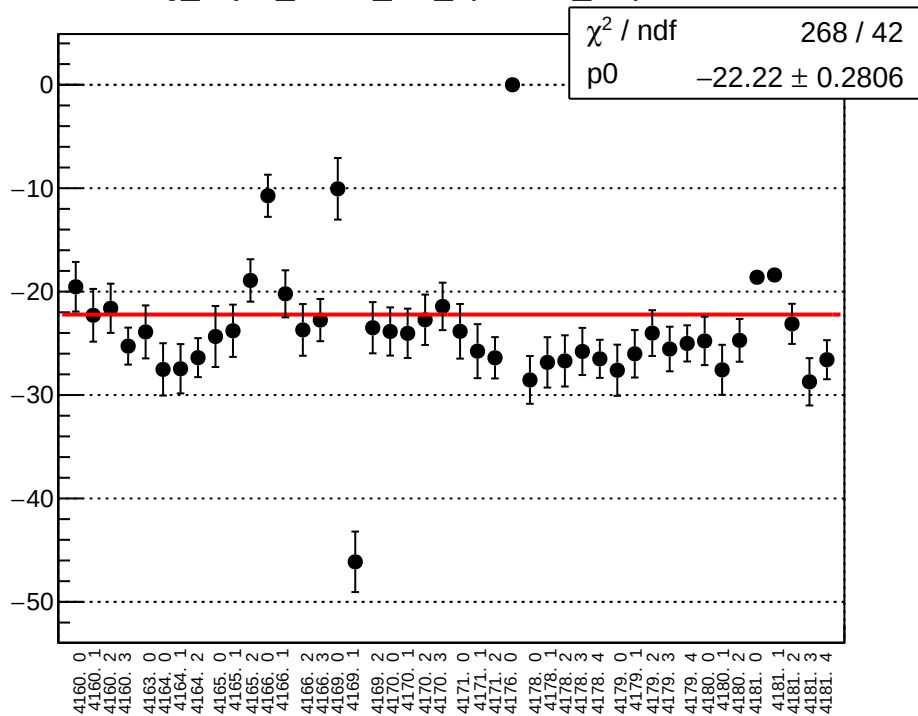
reg\_asym\_sam1\_diff\_bpm4aX\_slope vs run



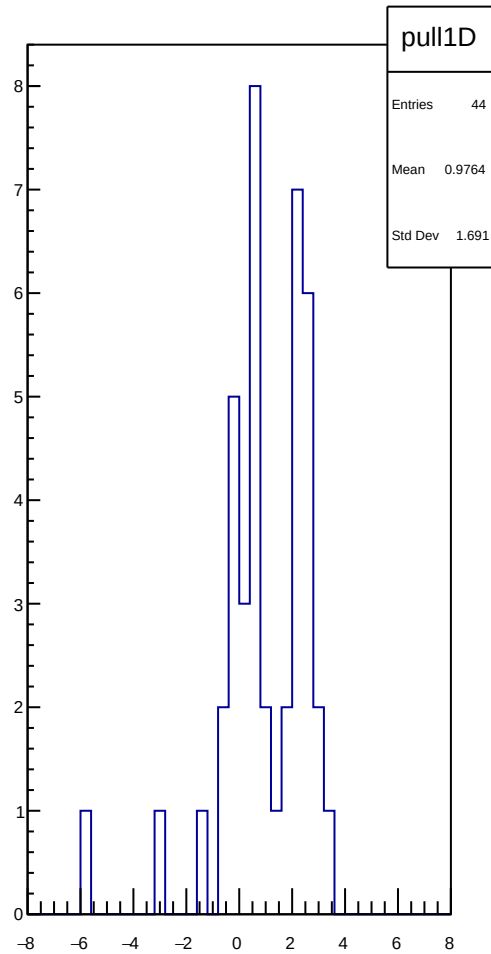
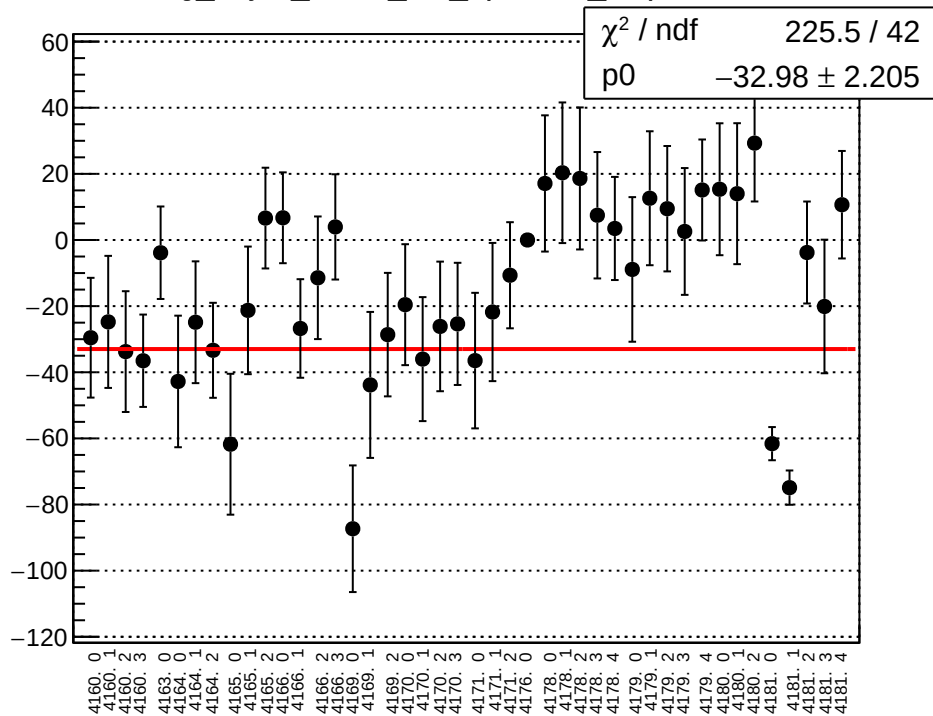
reg\_asym\_sam1\_diff\_bpm4aY\_slope vs run



reg\_asym\_sam1\_diff\_bpm4eX\_slope vs run

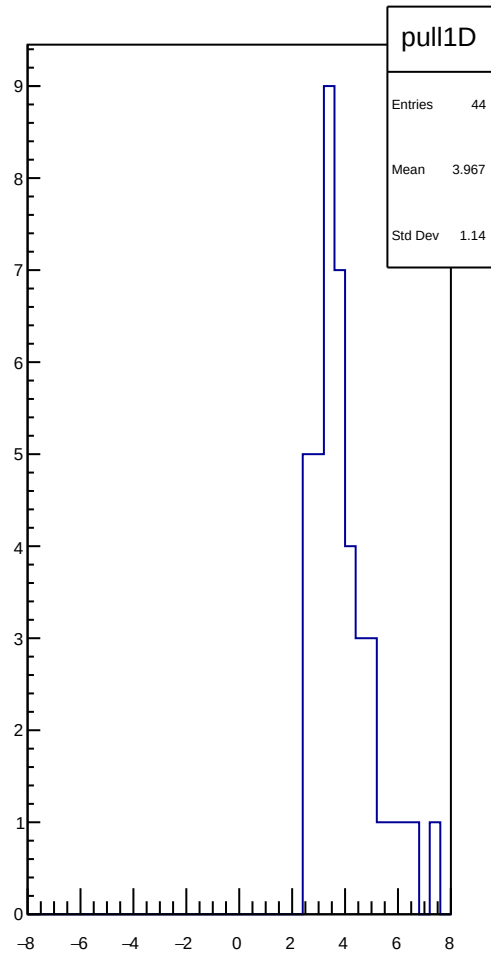
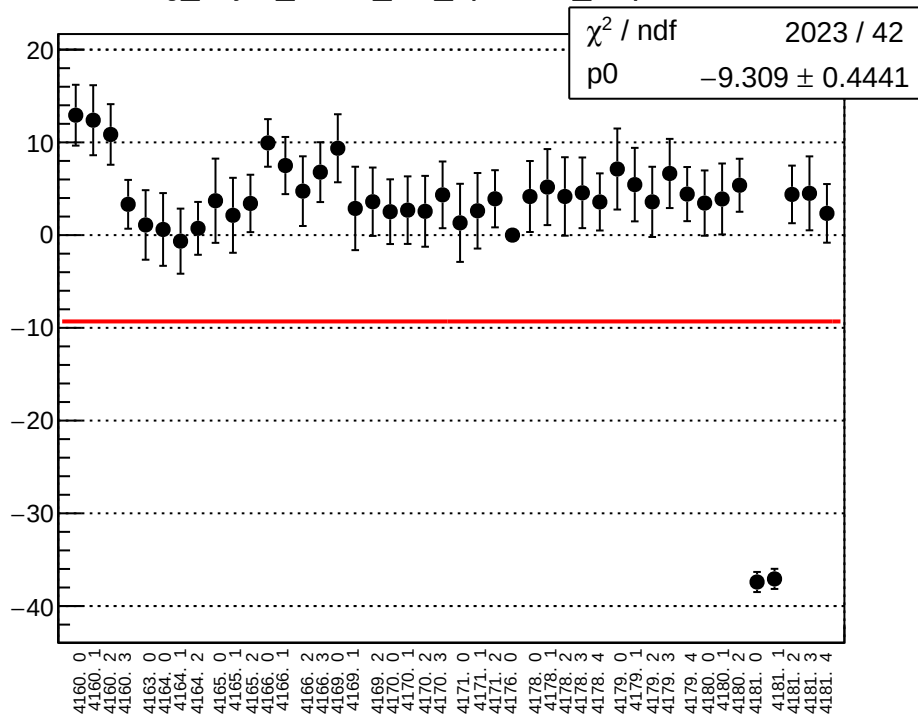


reg\_asym\_sam1\_diff\_bpm4eY\_slope vs run

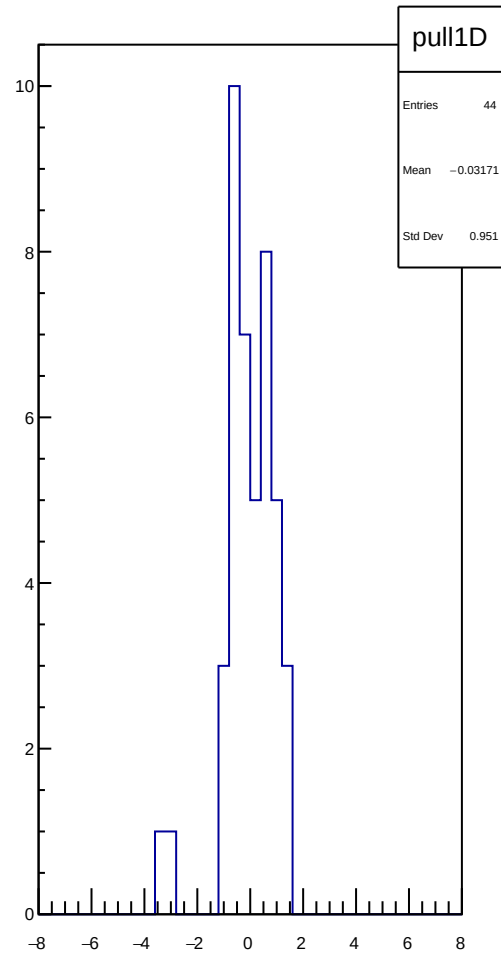
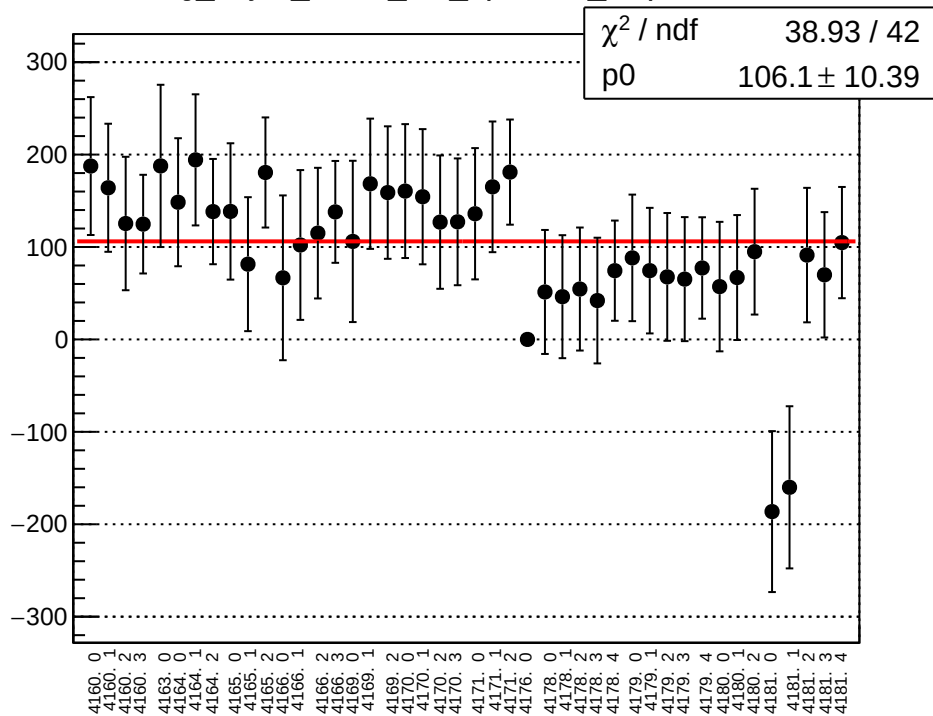




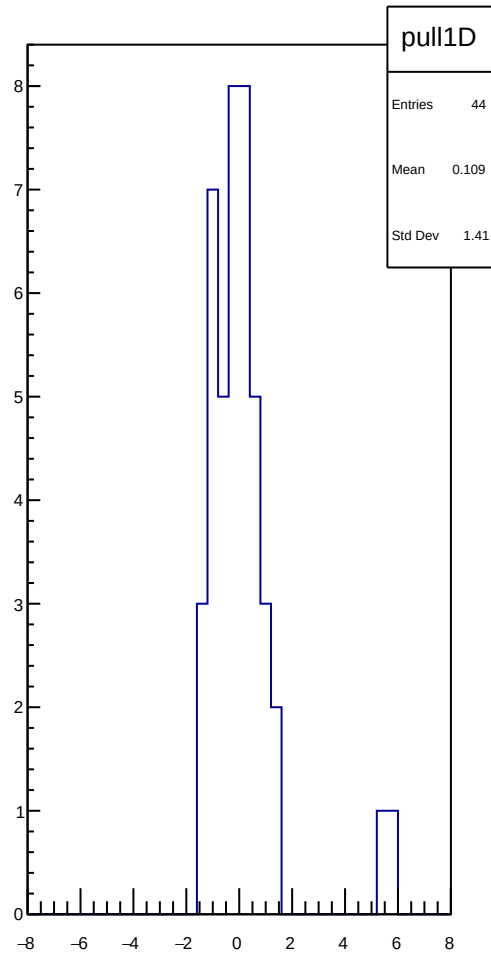
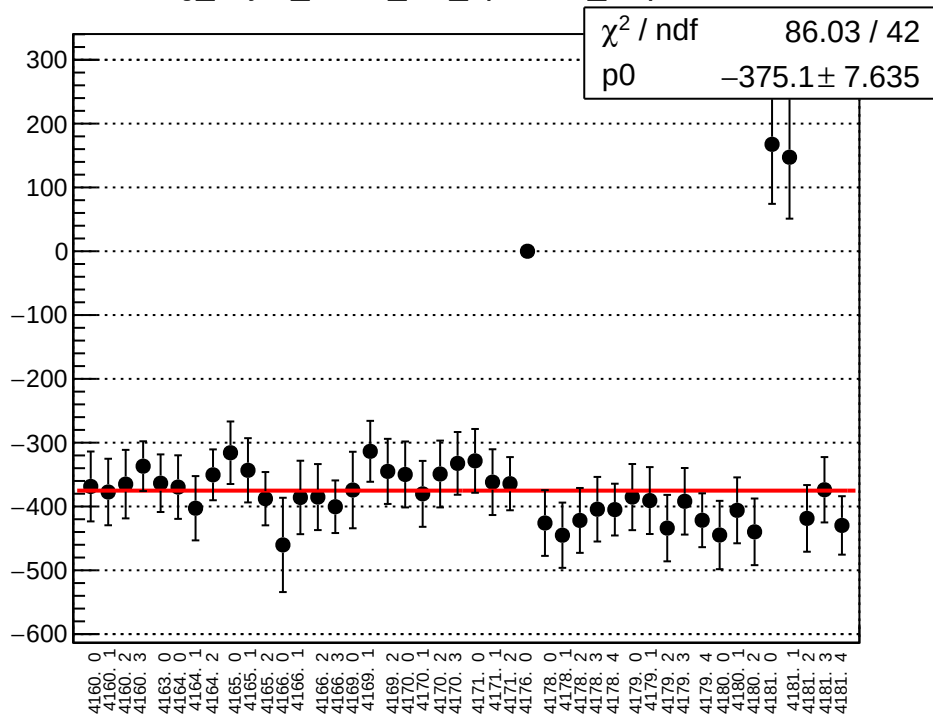
reg\_asym\_sam1\_diff\_bpm11X\_slope vs run



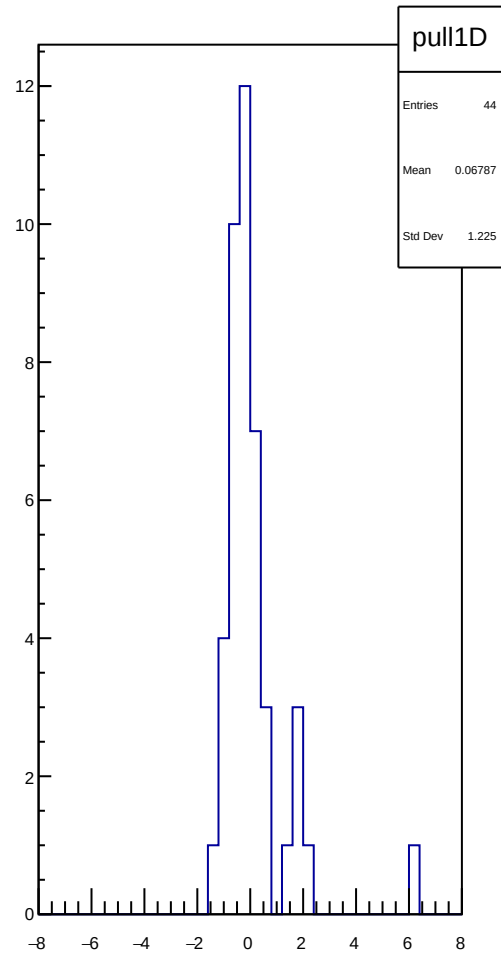
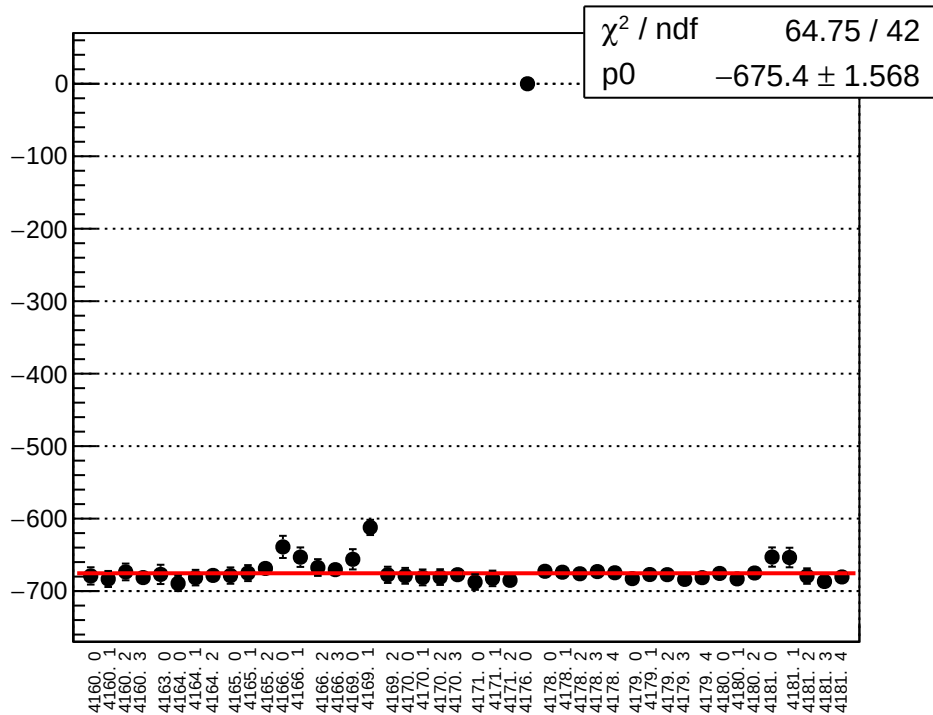
reg\_asym\_sam2\_diff\_bpm4aX\_slope vs run



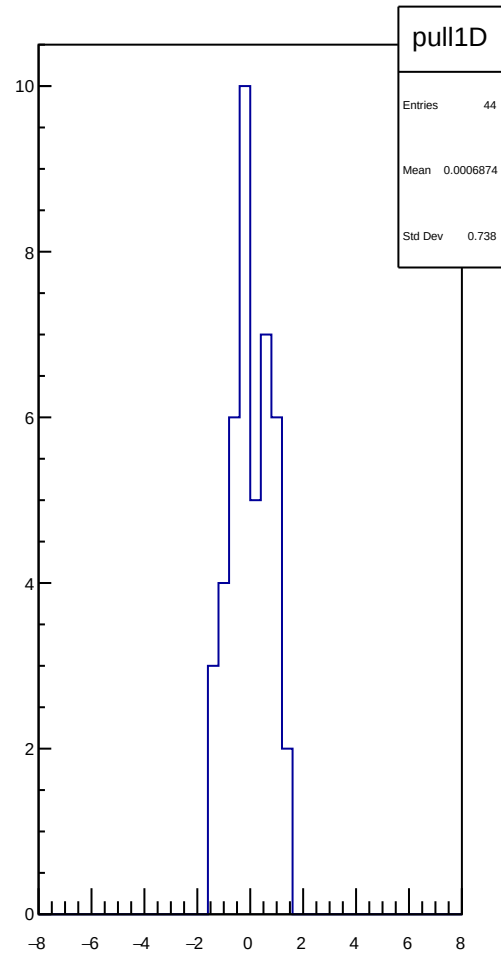
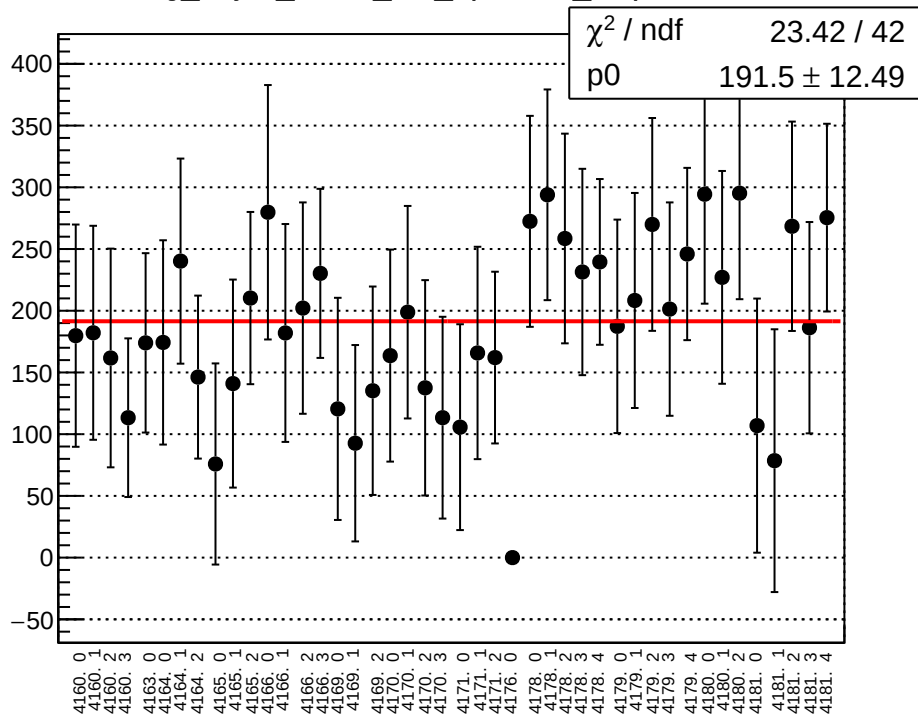
reg\_asym\_sam2\_diff\_bpm4aY\_slope vs run



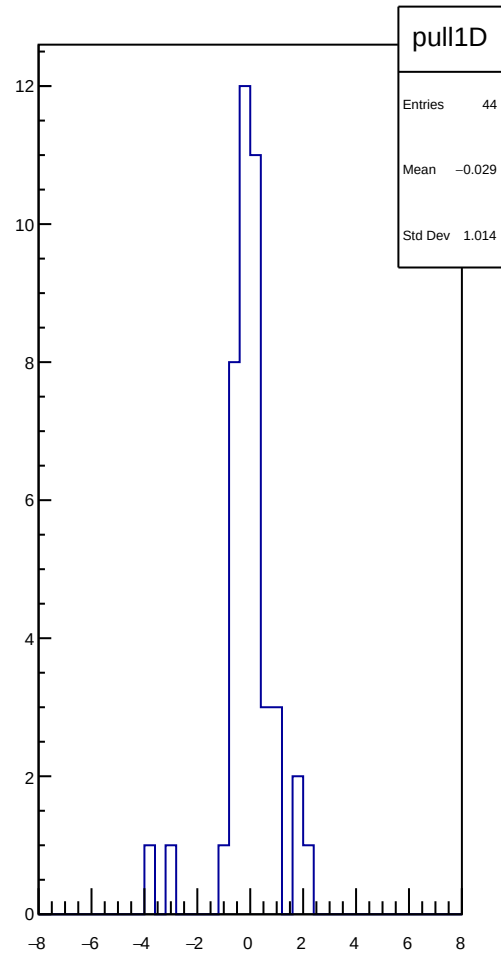
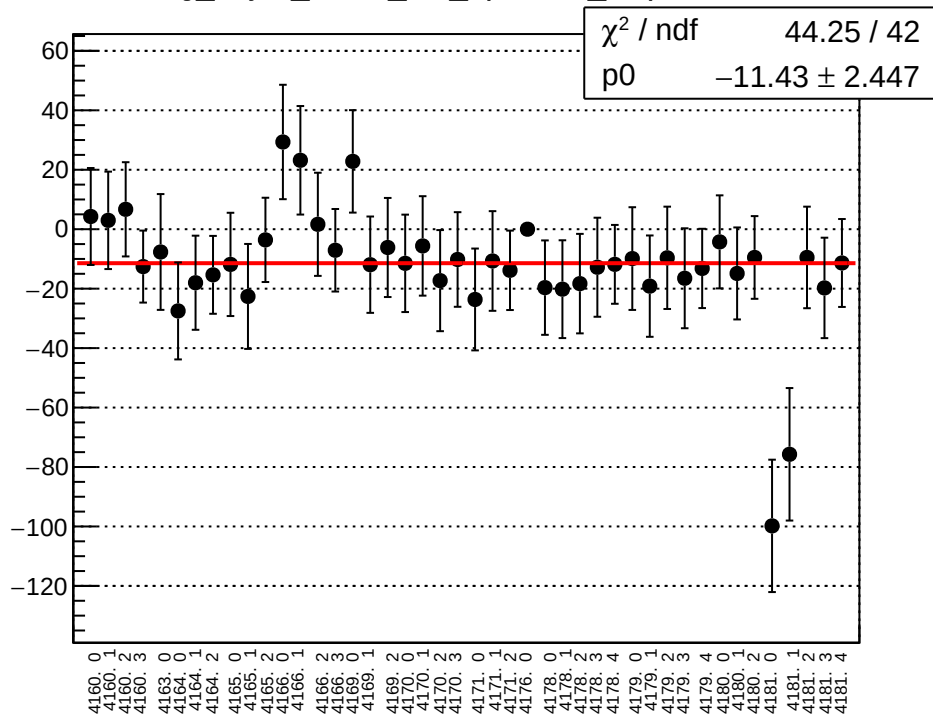
reg\_asym\_sam2\_diff\_bpm4eX\_slope vs run



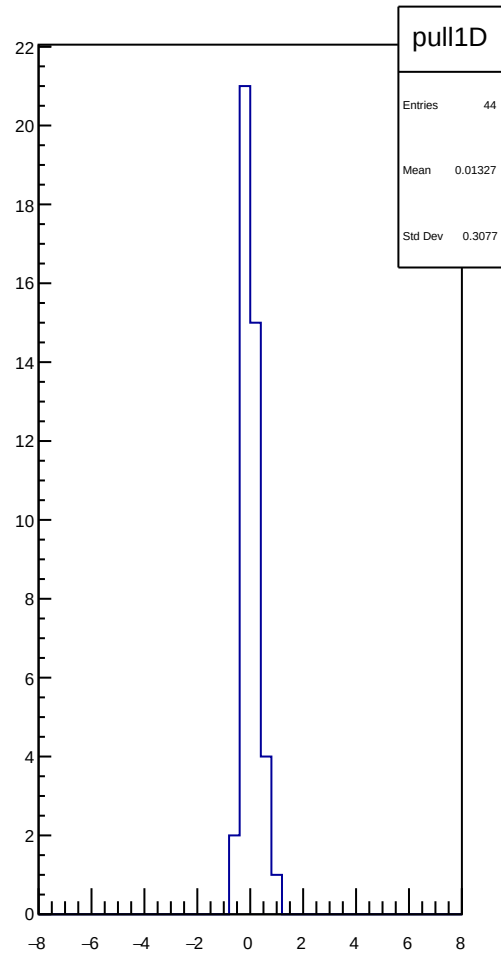
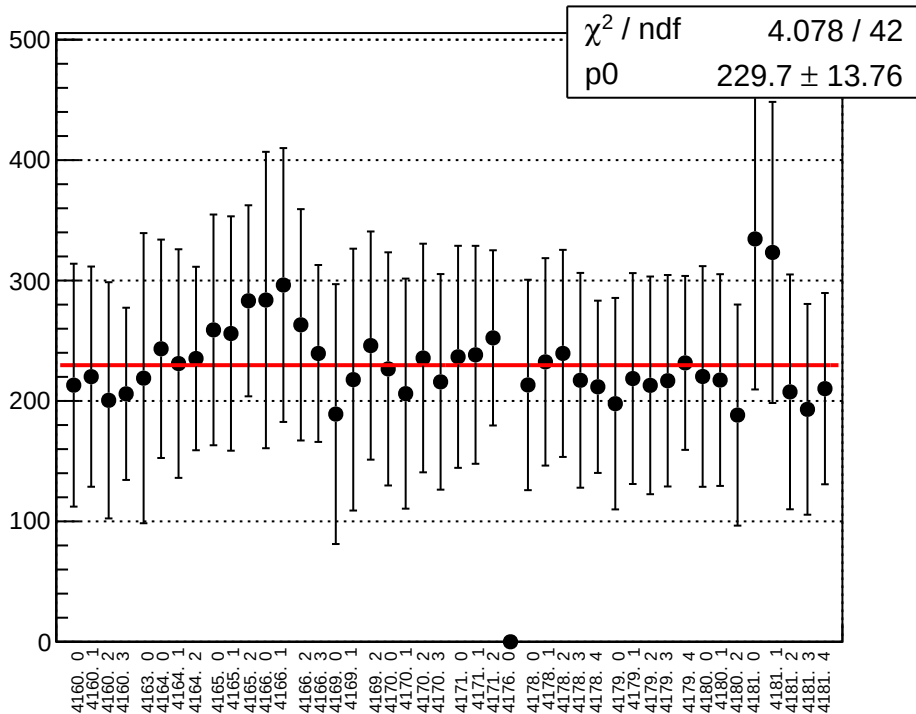
reg\_asym\_sam2\_diff\_bpm4eY\_slope vs run



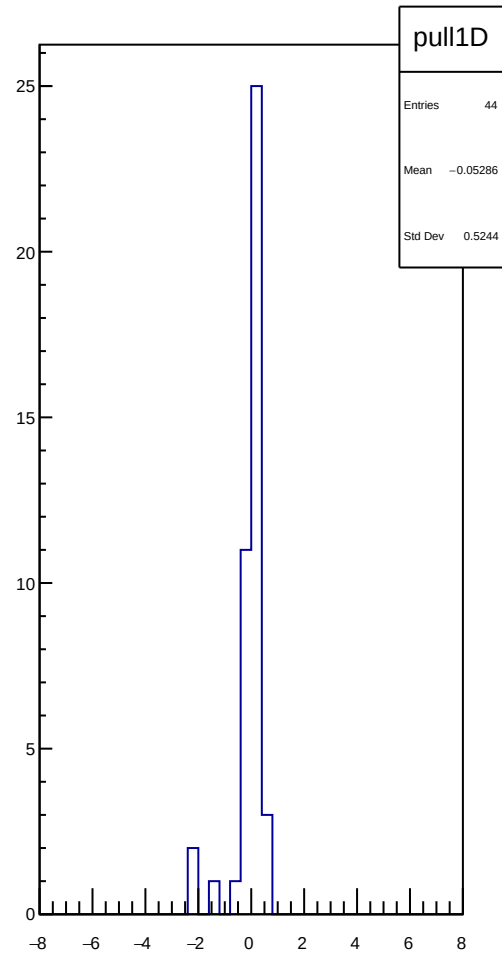
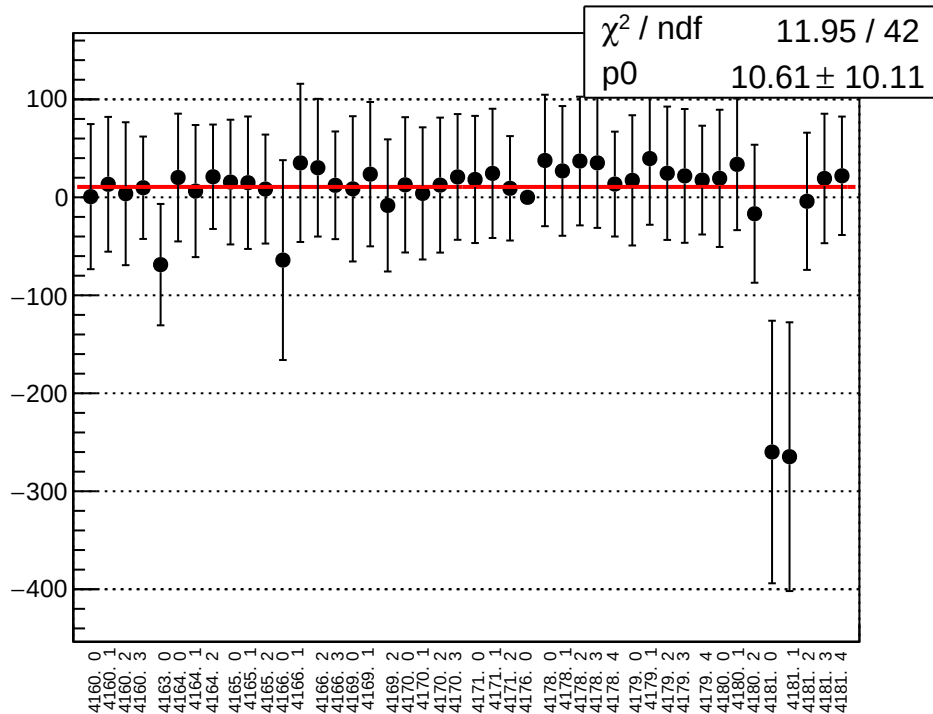
reg\_asym\_sam2\_diff\_bpm11X\_slope vs run



reg\_asym\_sam3\_diff\_bpm4aX\_slope vs run

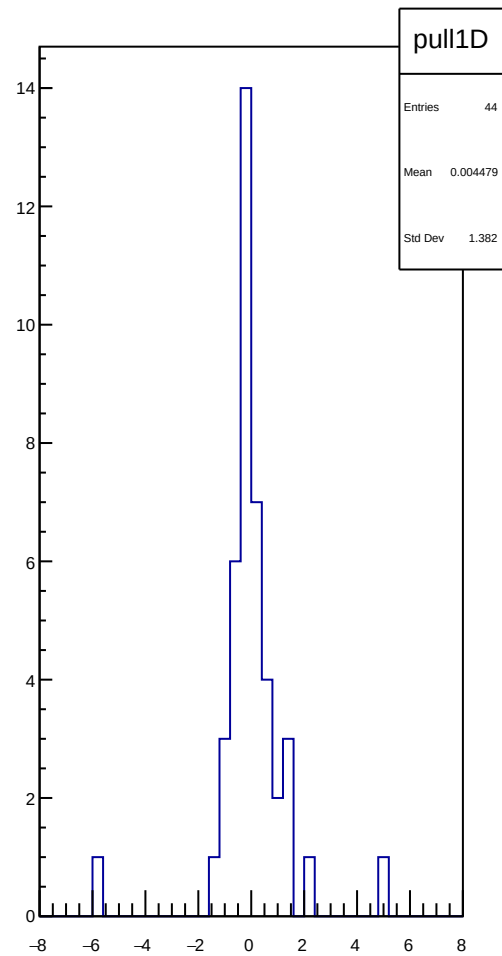
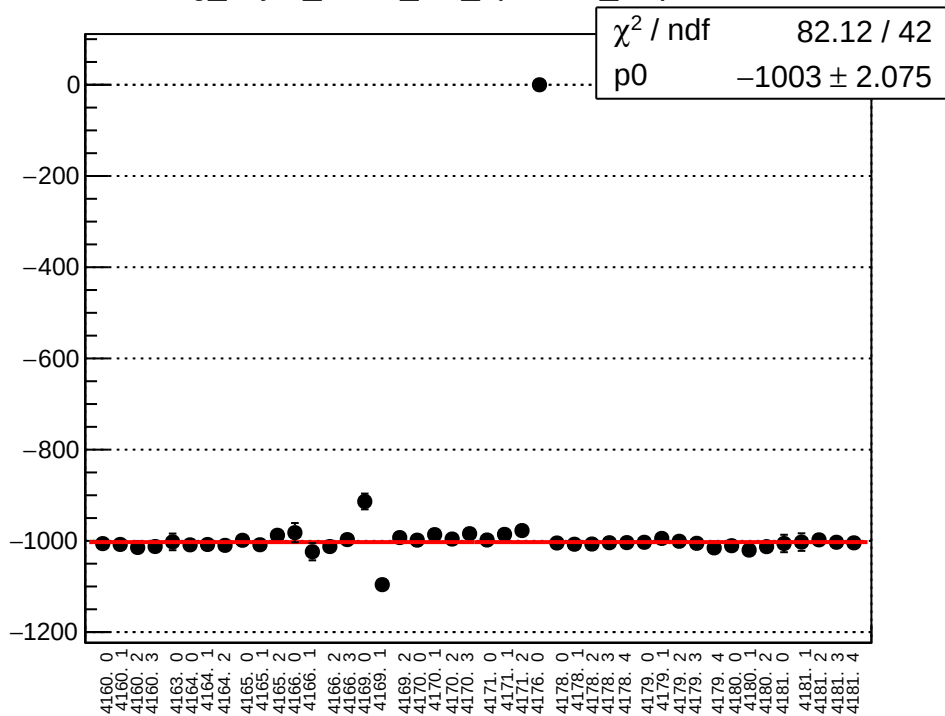


reg\_asym\_sam3\_diff\_bpm4aY\_slope vs run

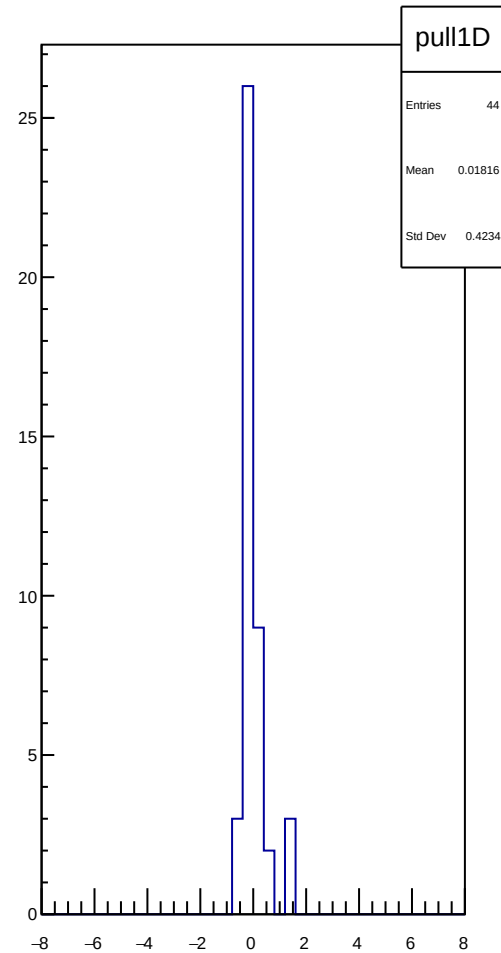
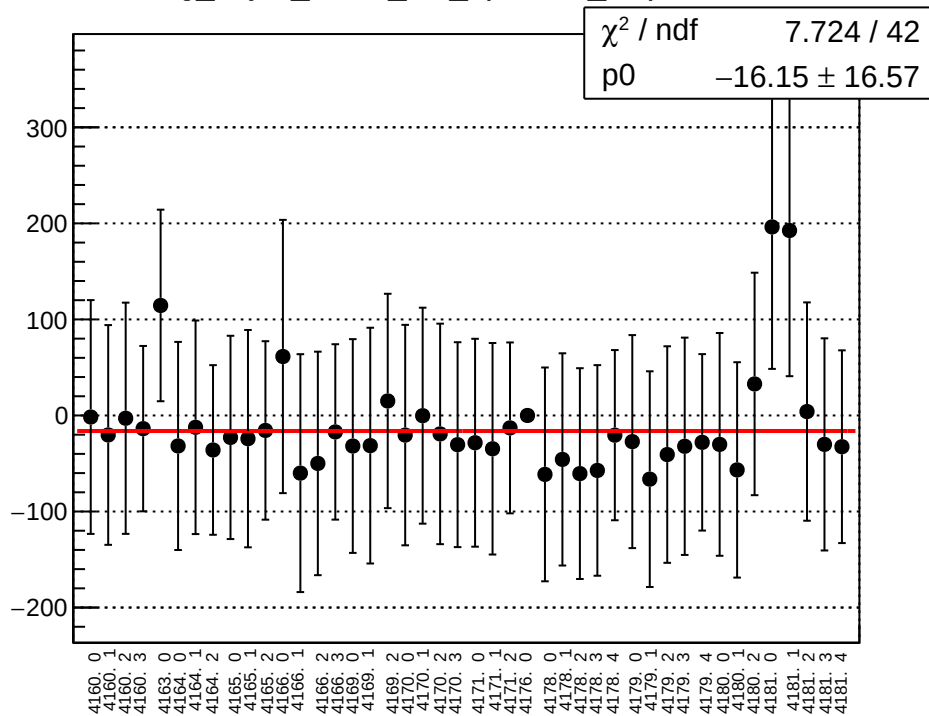




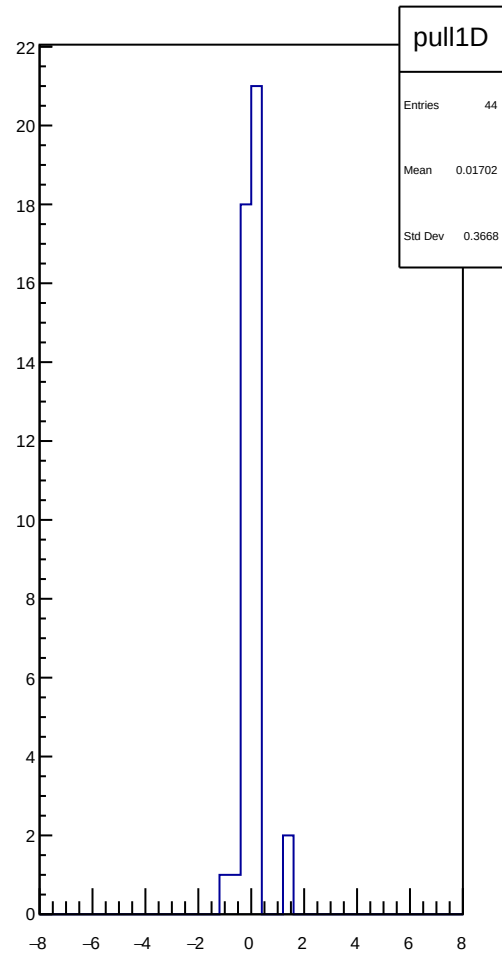
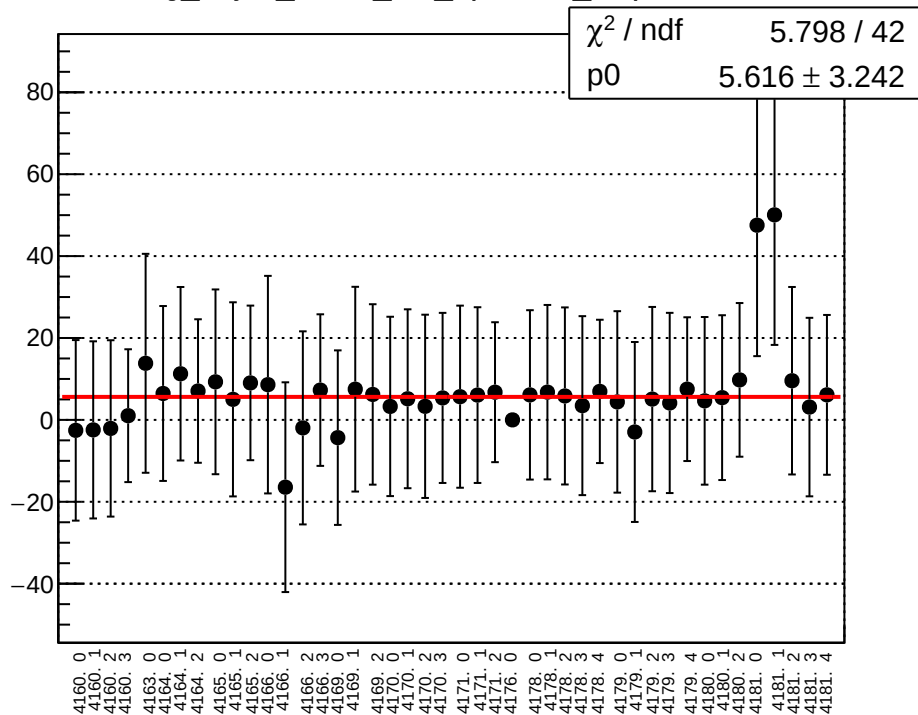
reg\_asym\_sam3\_diff\_bpm4eX\_slope vs run



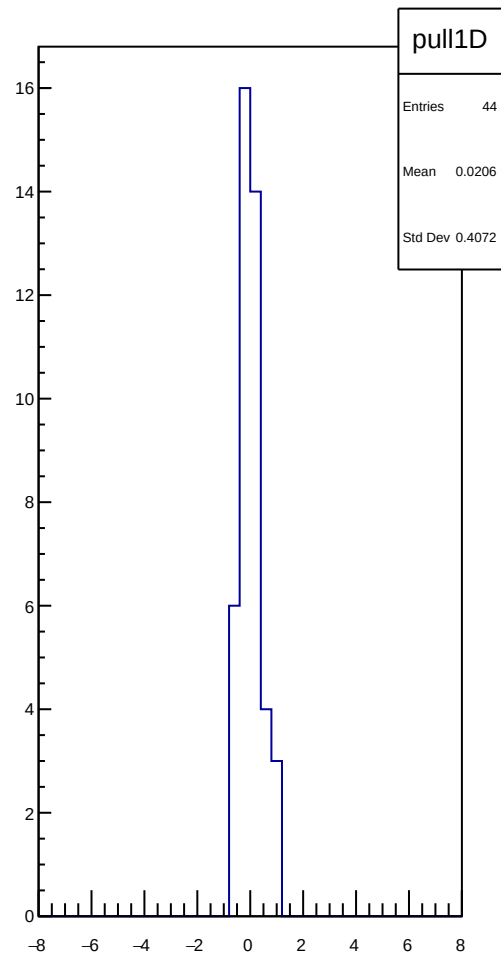
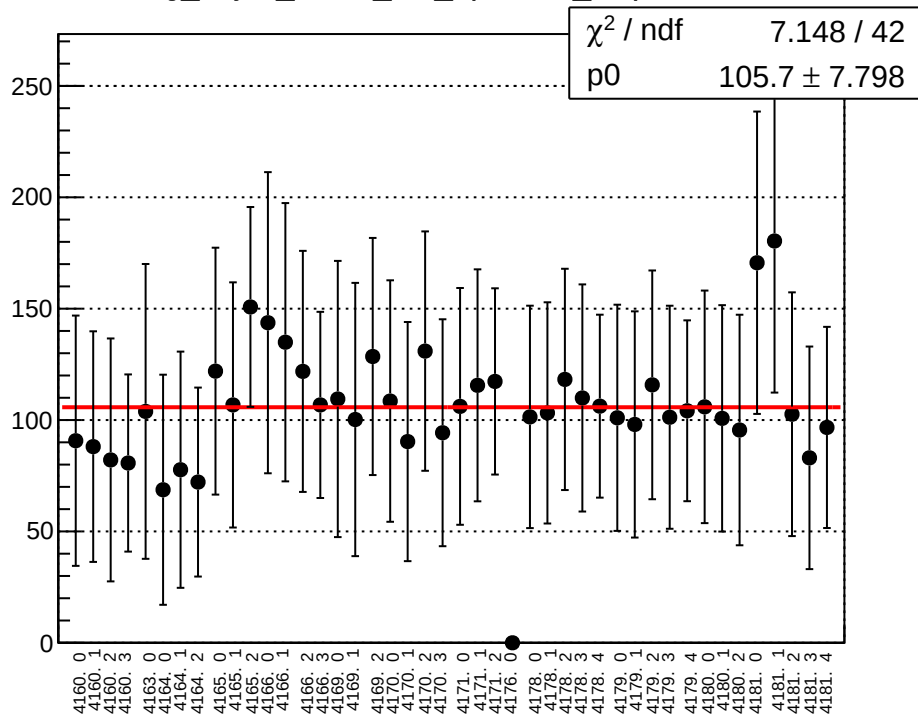
reg\_asym\_sam3\_diff\_bpm4eY\_slope vs run



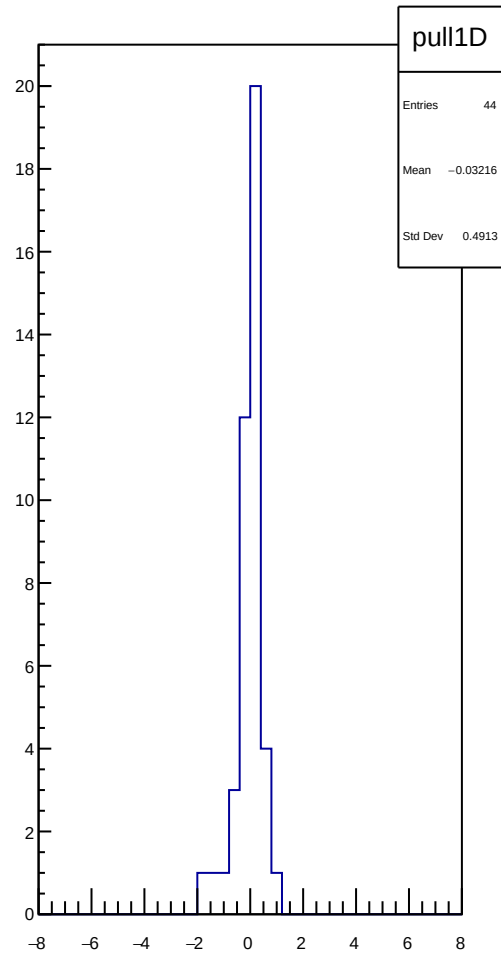
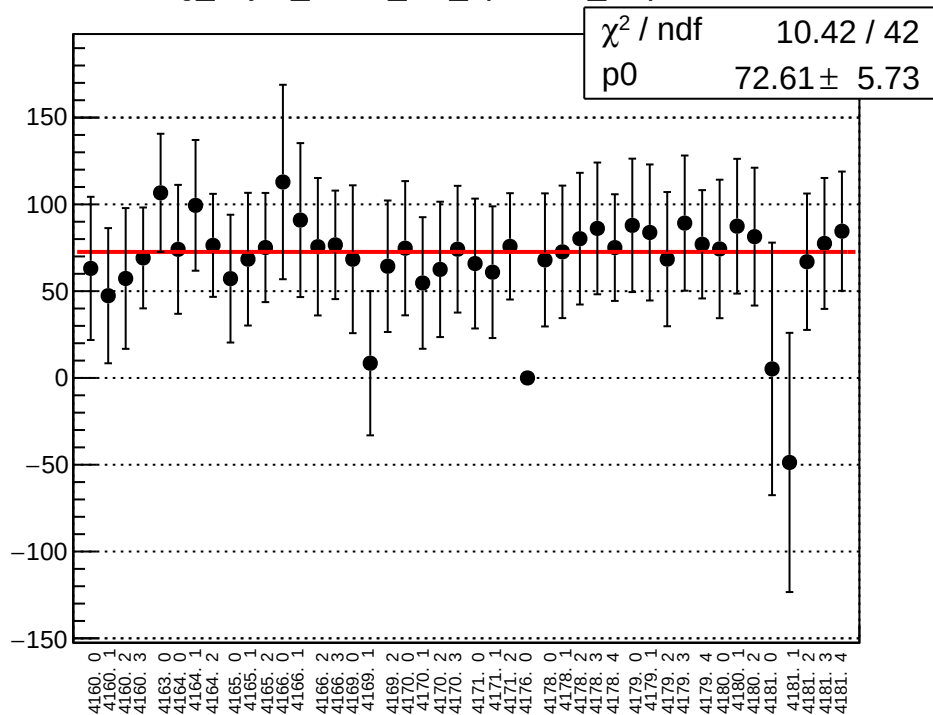
reg\_asym\_sam3\_diff\_bpm11X\_slope vs run



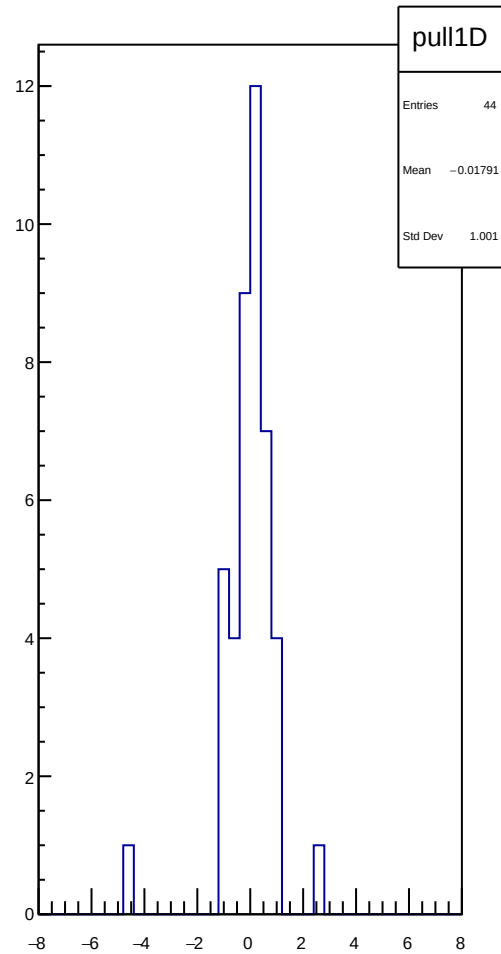
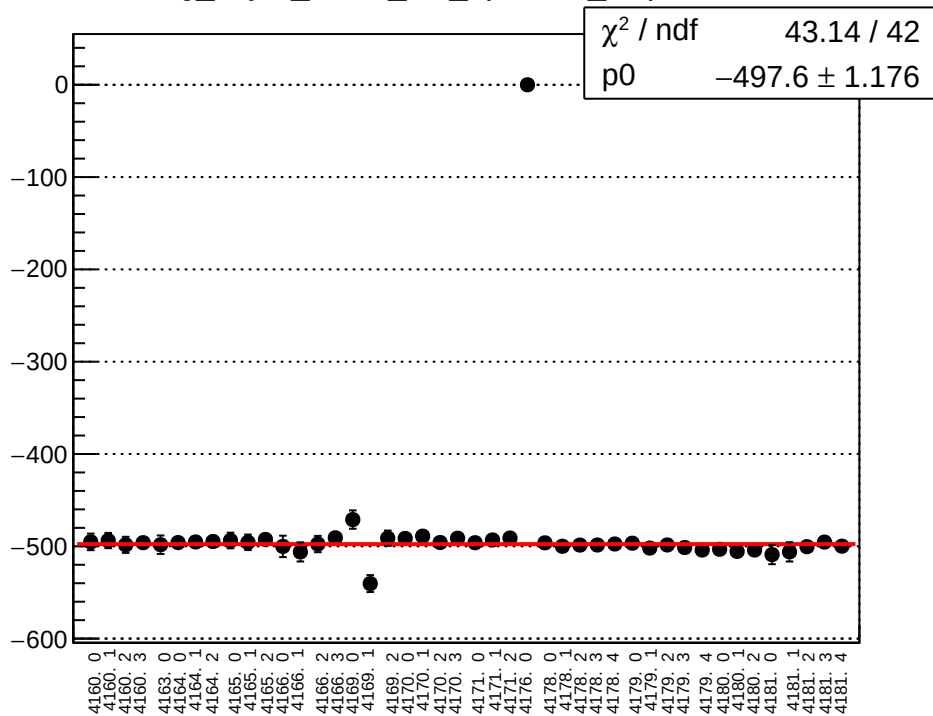
reg\_asym\_sam4\_diff\_bpm4aX\_slope vs run



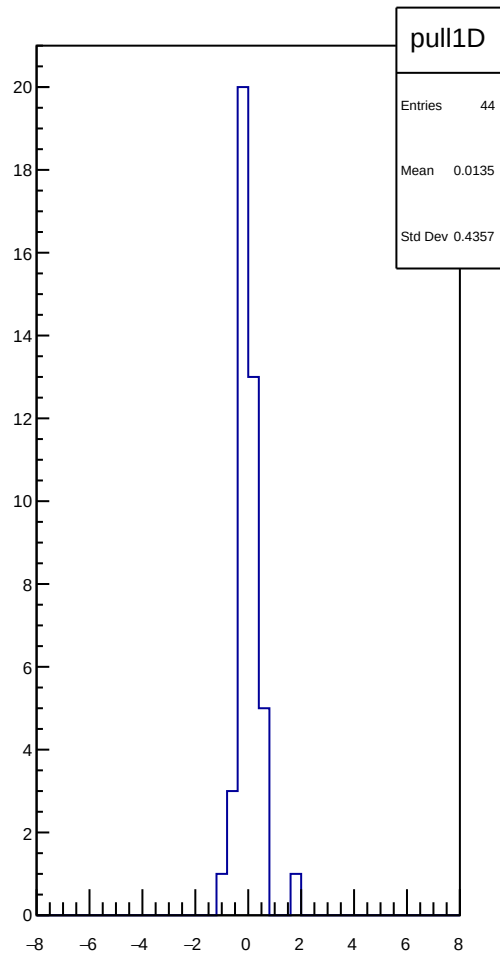
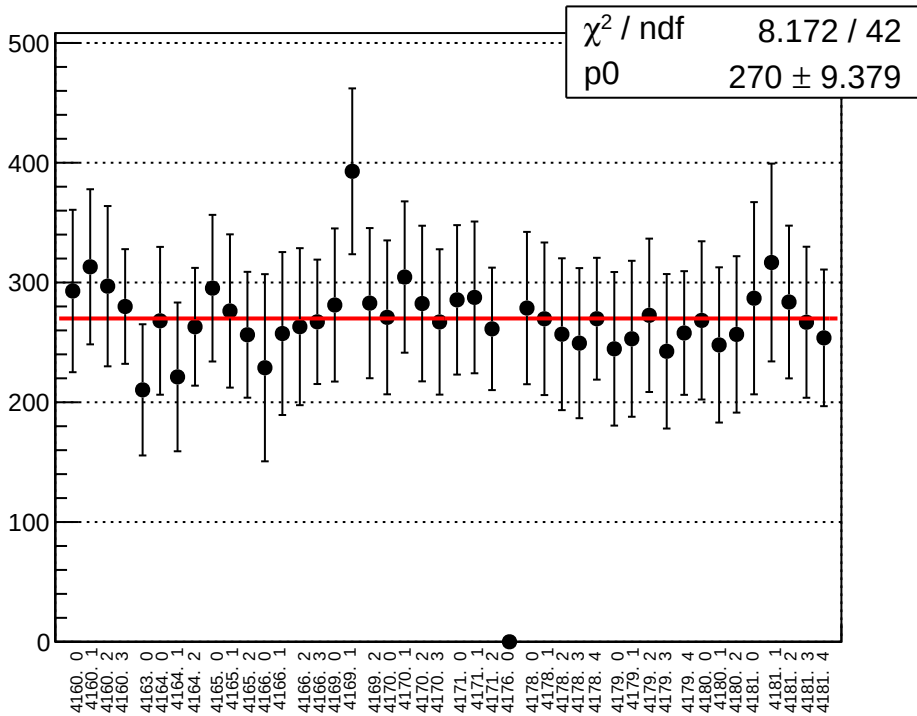
reg\_asym\_sam4\_diff\_bpm4aY\_slope vs run



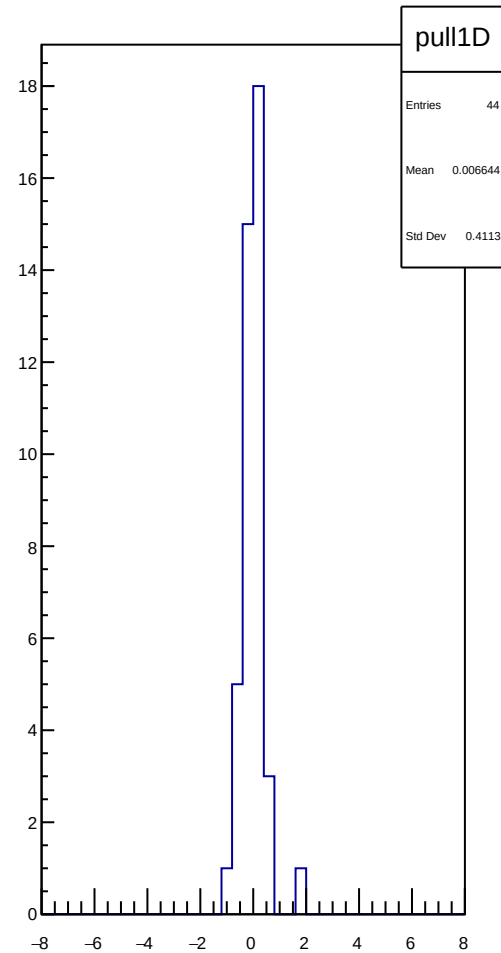
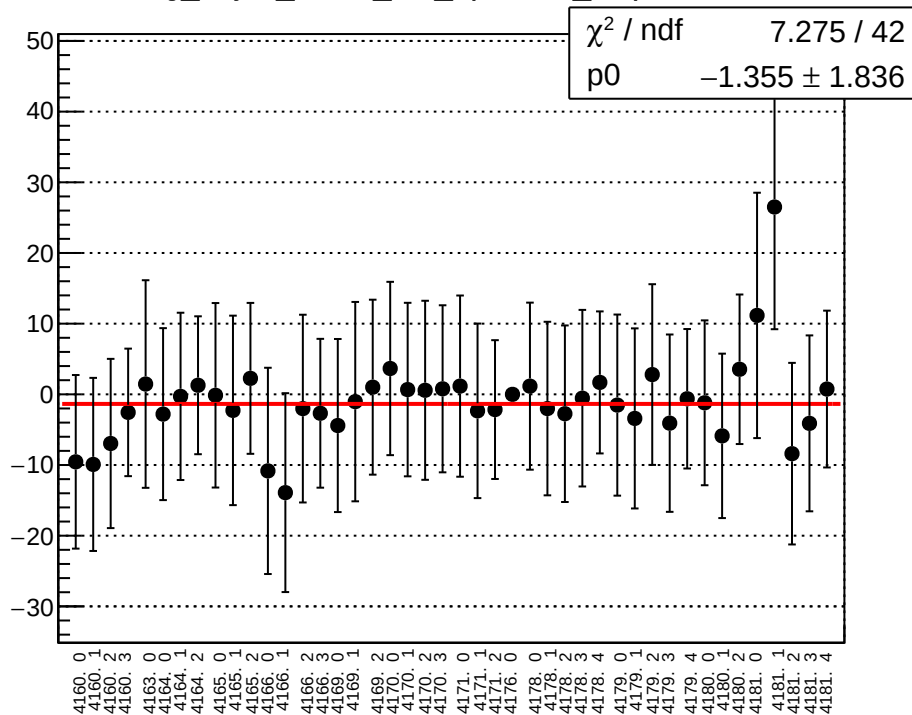
reg\_asym\_sam4\_diff\_bpm4eX\_slope vs run



reg asym sam4 diff bpm4eY slope vs run

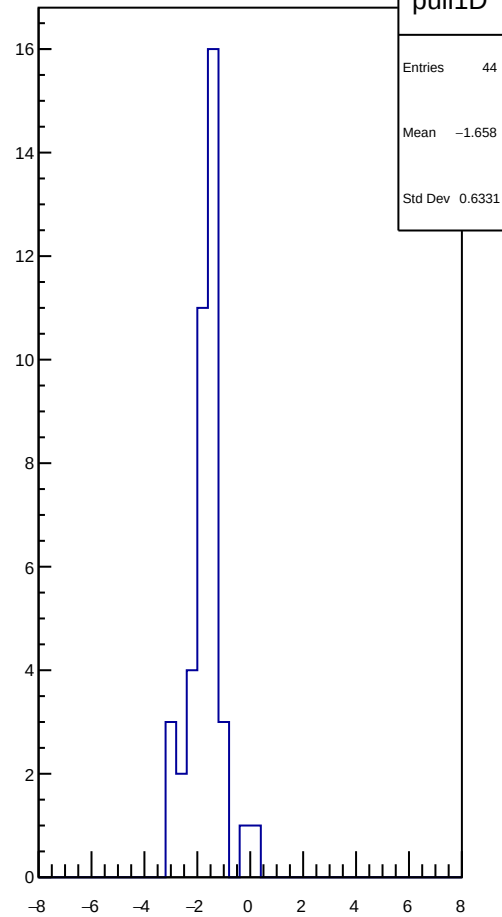
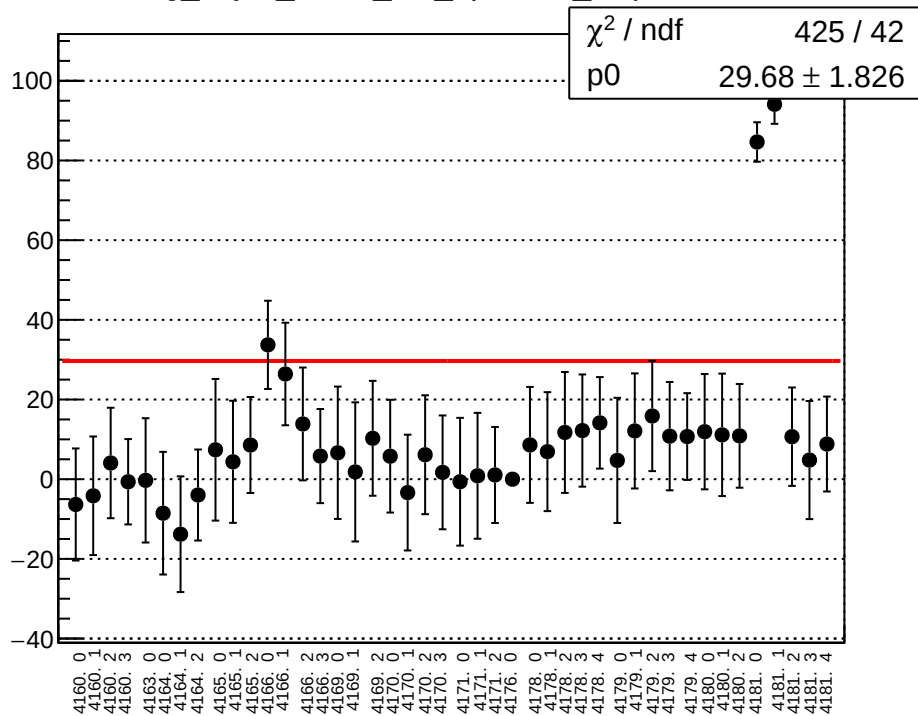


reg\_asym\_sam4\_diff\_bpm11X\_slope vs run

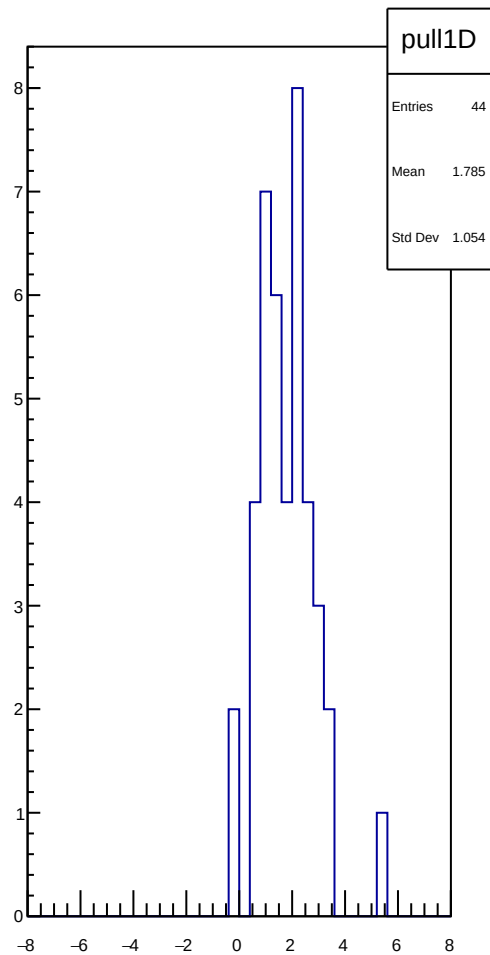
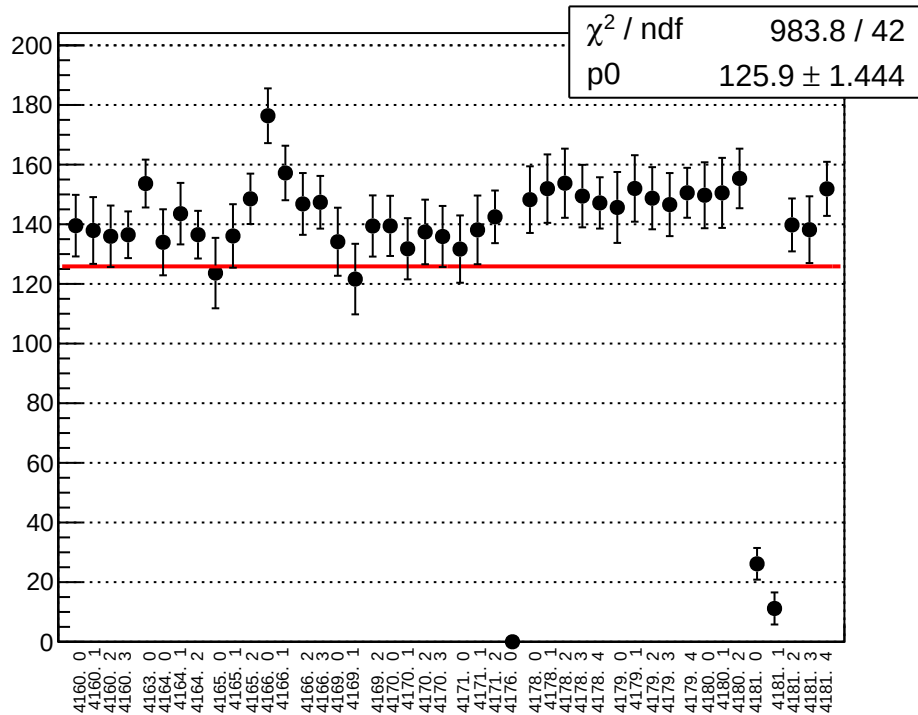




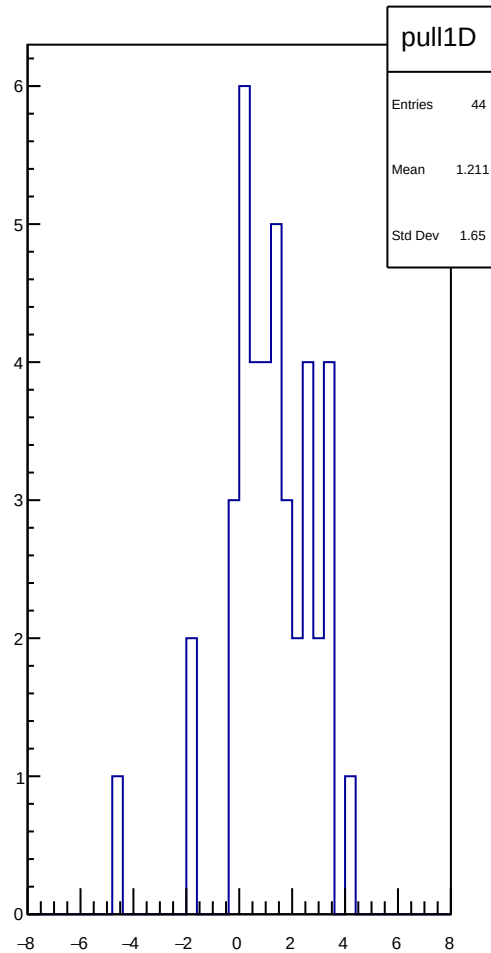
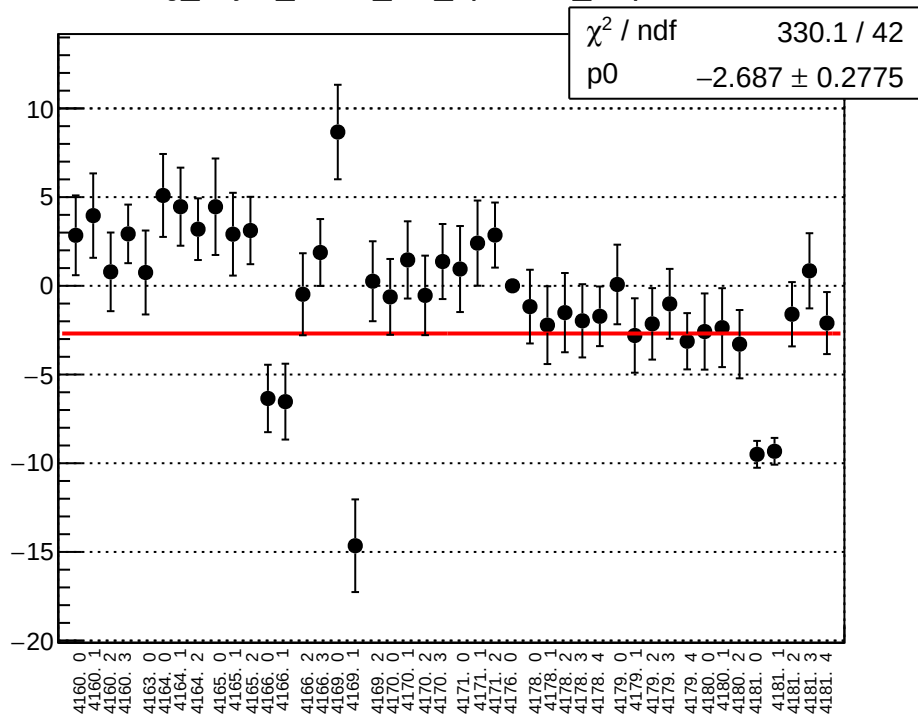
reg\_asym\_sam5\_diff\_bpm4aX\_slope vs run



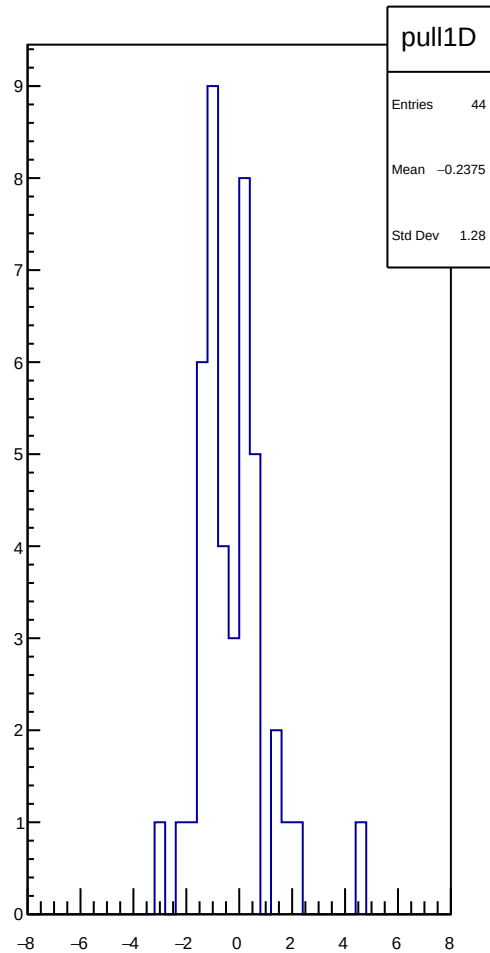
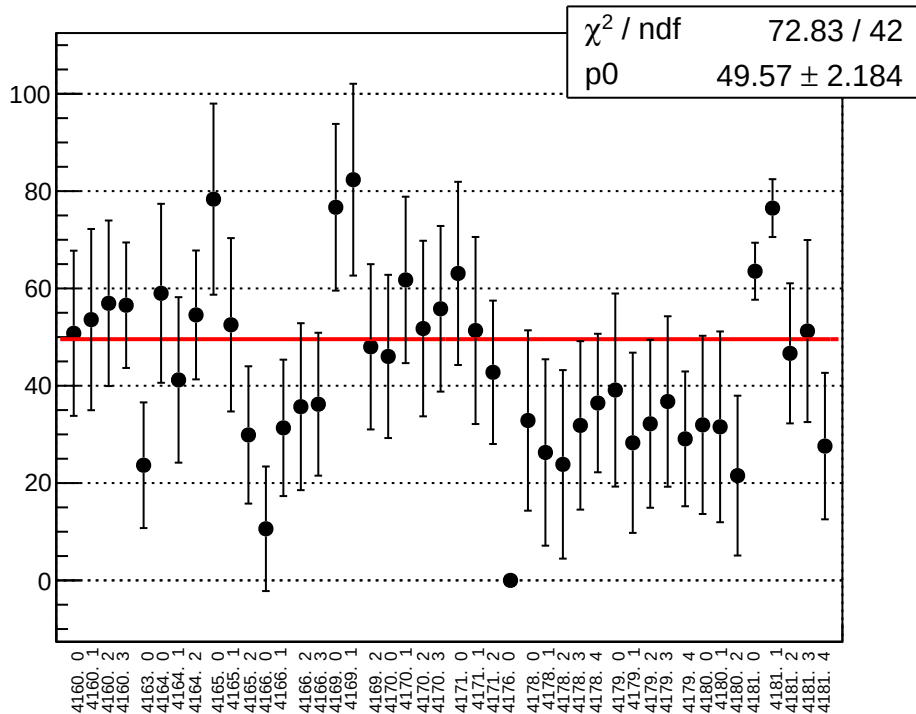
reg\_asym\_sam5\_diff\_bpm4aY\_slope vs run



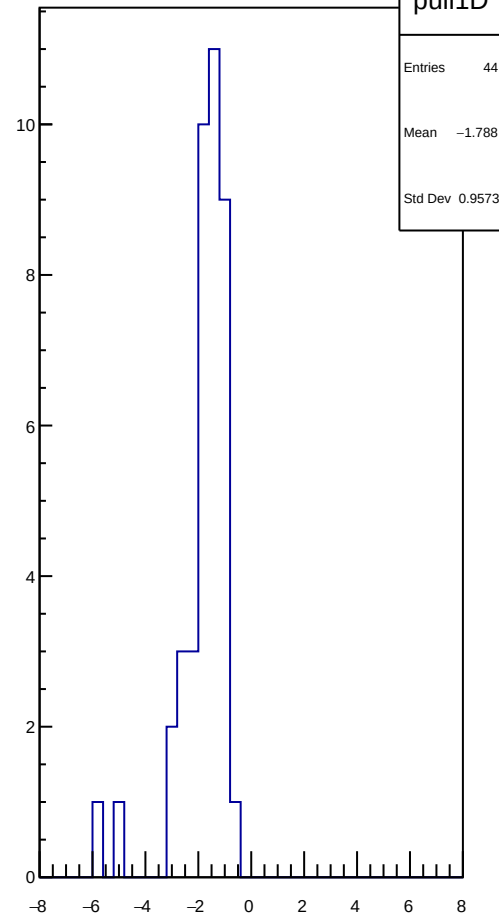
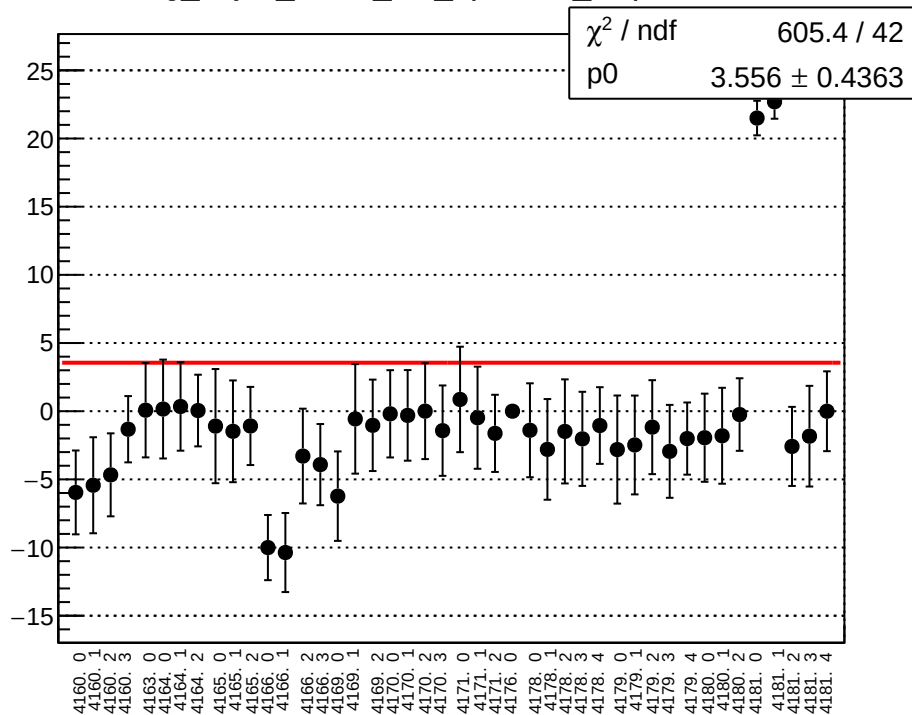
reg\_asym\_sam5\_diff\_bpm4eX\_slope vs run



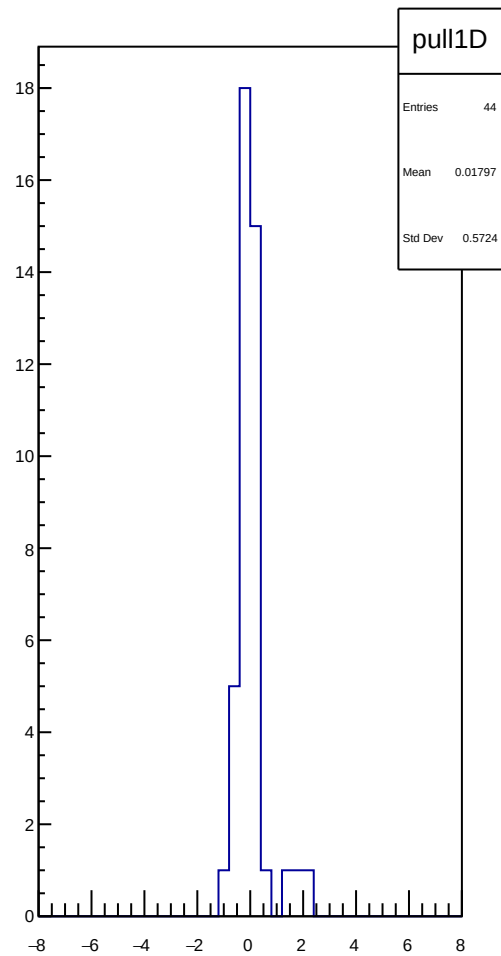
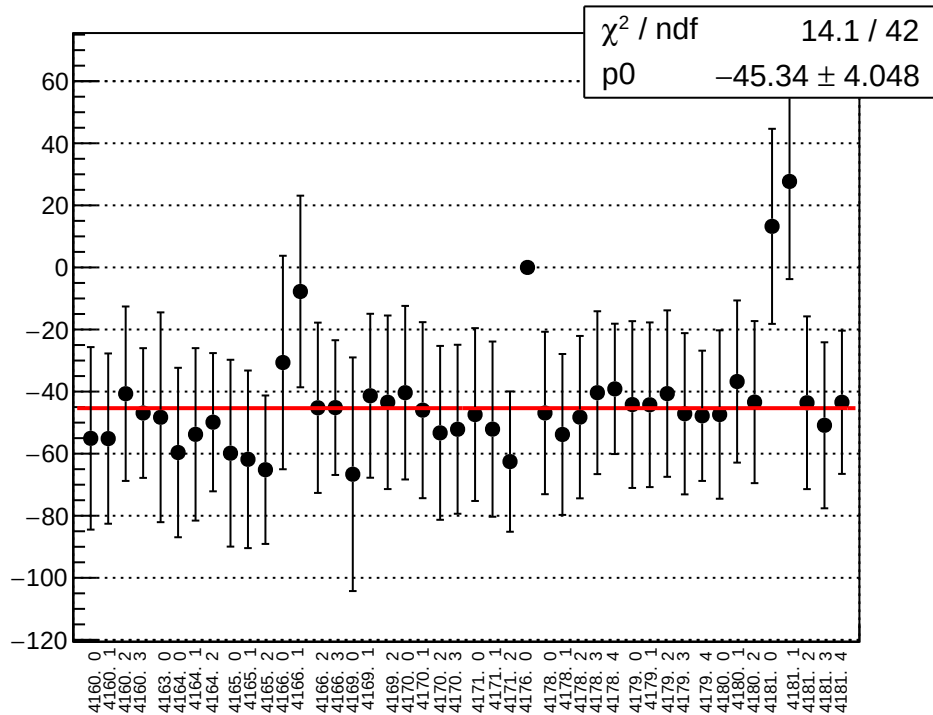
reg\_asym\_sam5\_diff\_bpm4eY\_slope vs run



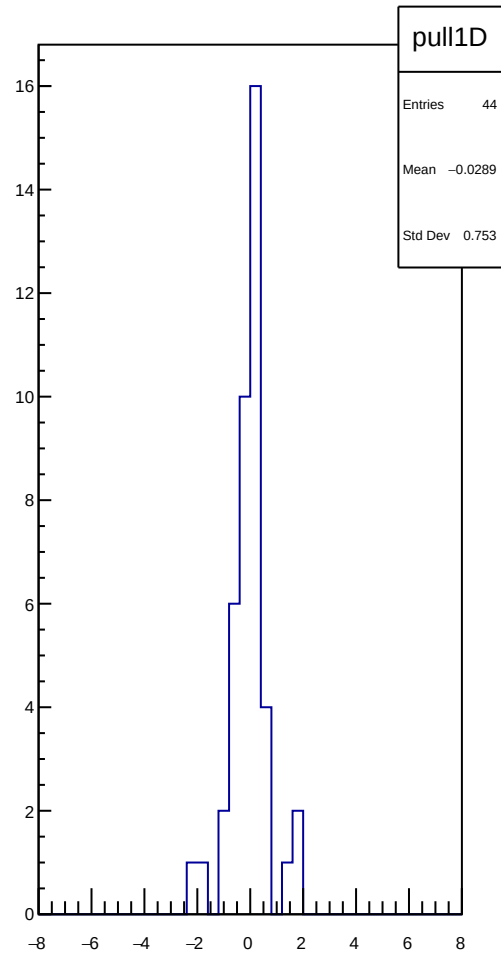
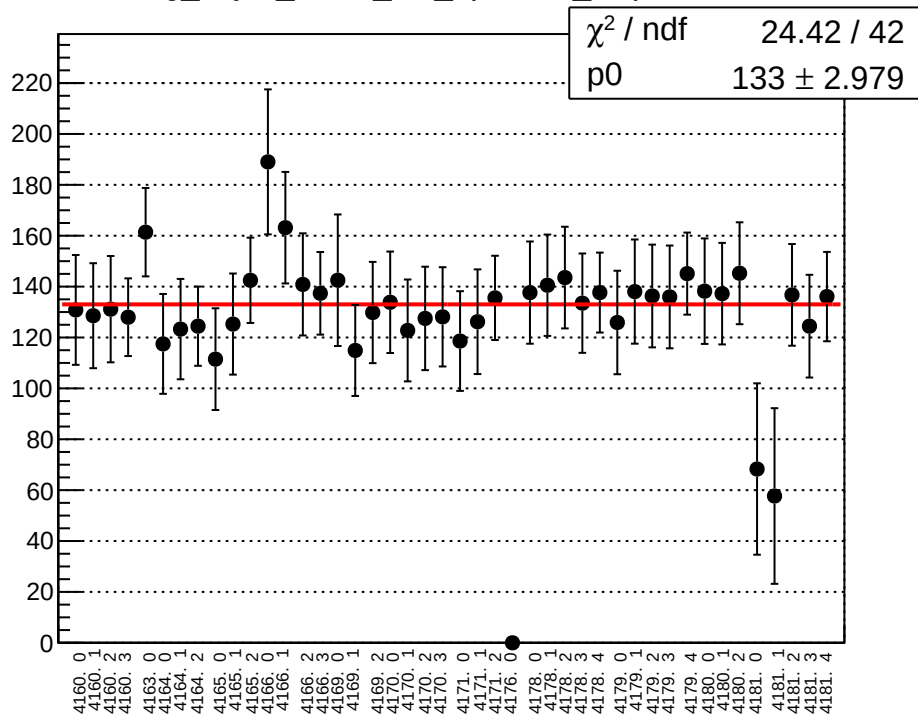
reg\_asym\_sam5\_diff\_bpm11X\_slope vs run



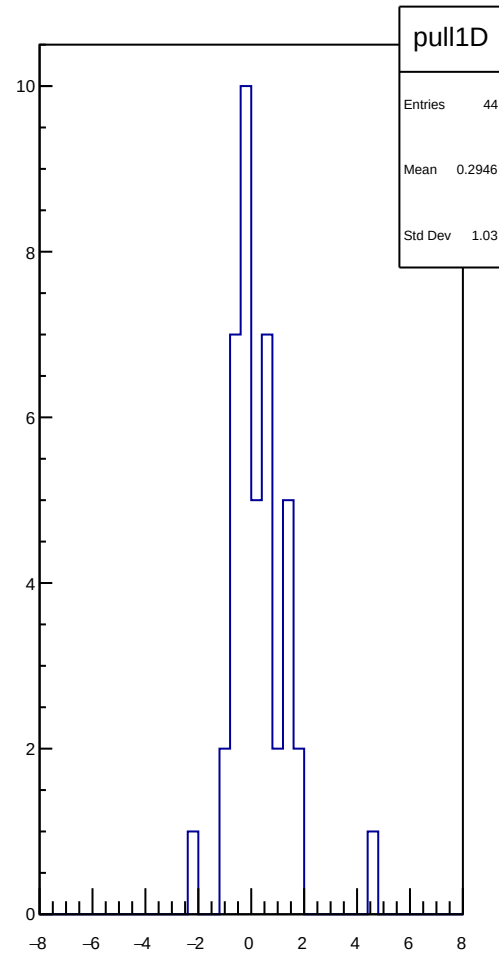
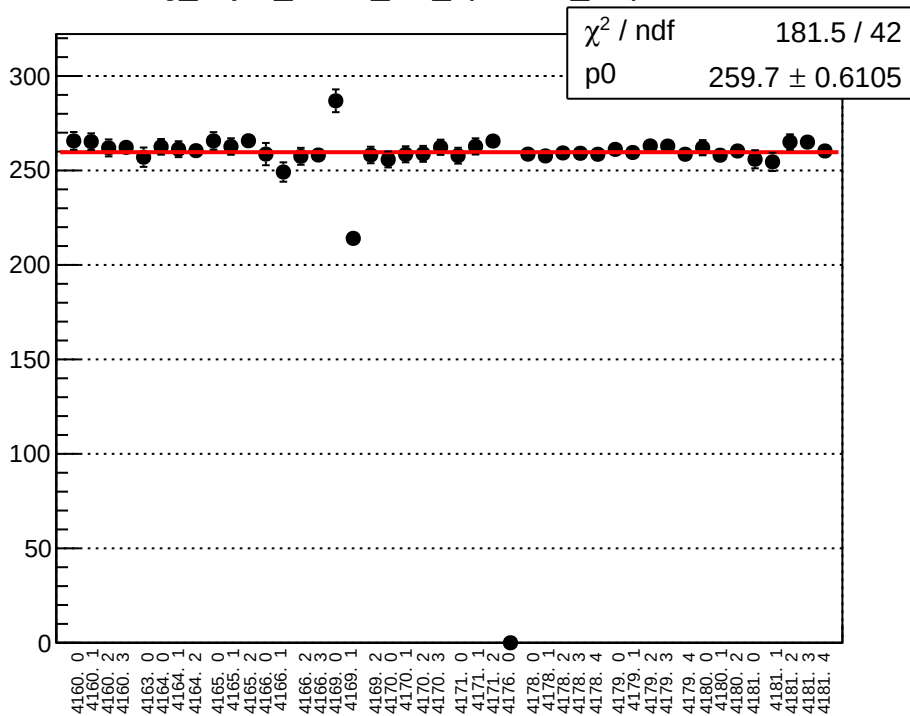
reg\_asym\_sam6\_diff\_bpm4aX\_slope vs run



reg\_asym\_sam6\_diff\_bpm4aY\_slope vs run

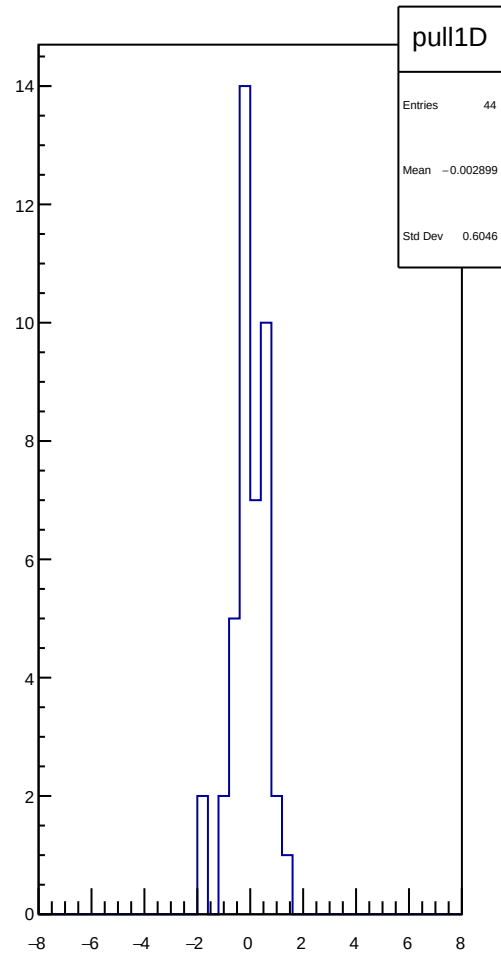
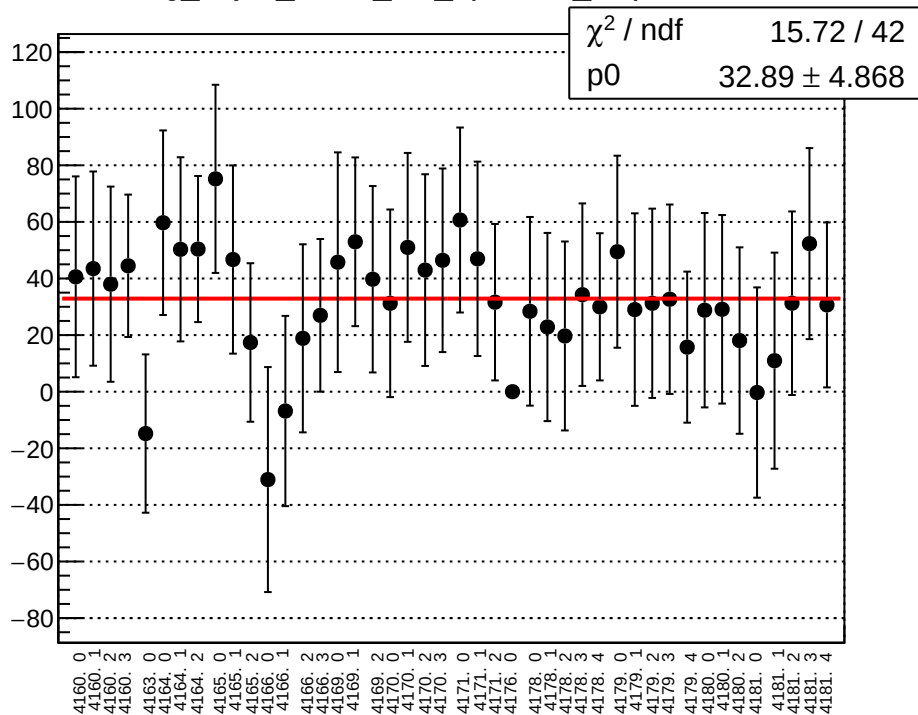


reg\_asym\_sam6\_diff\_bpm4eX\_slope vs run

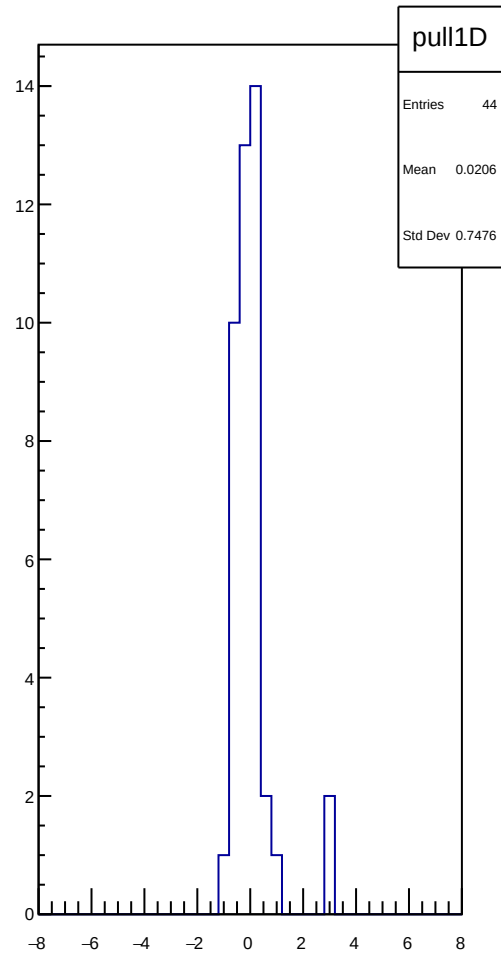
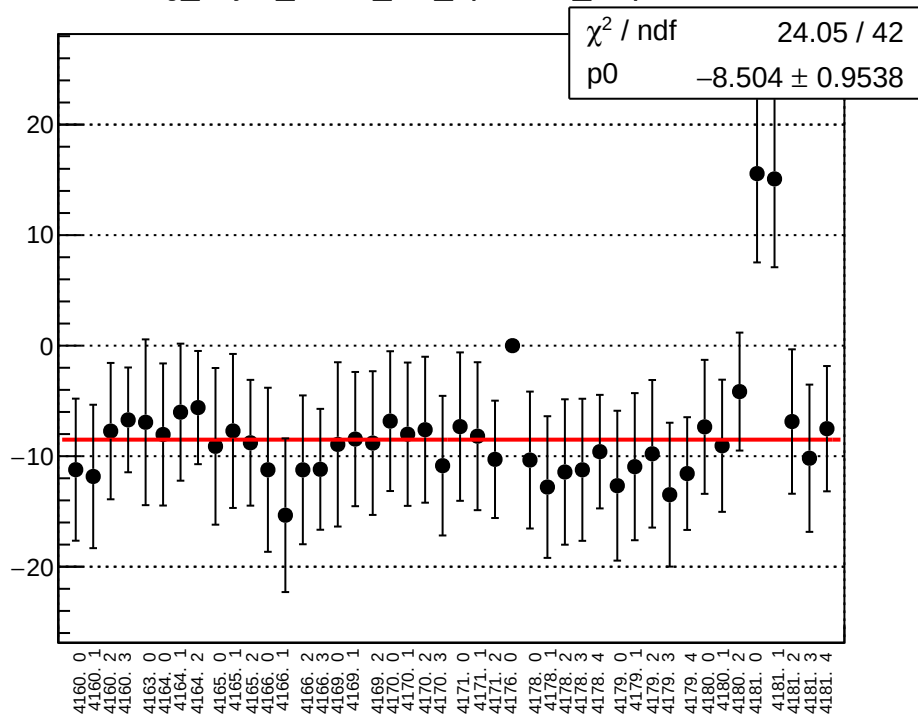




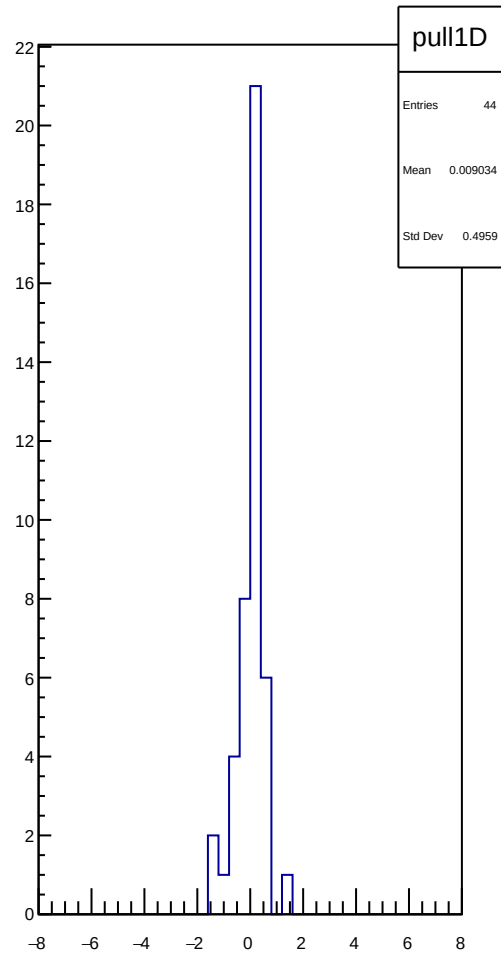
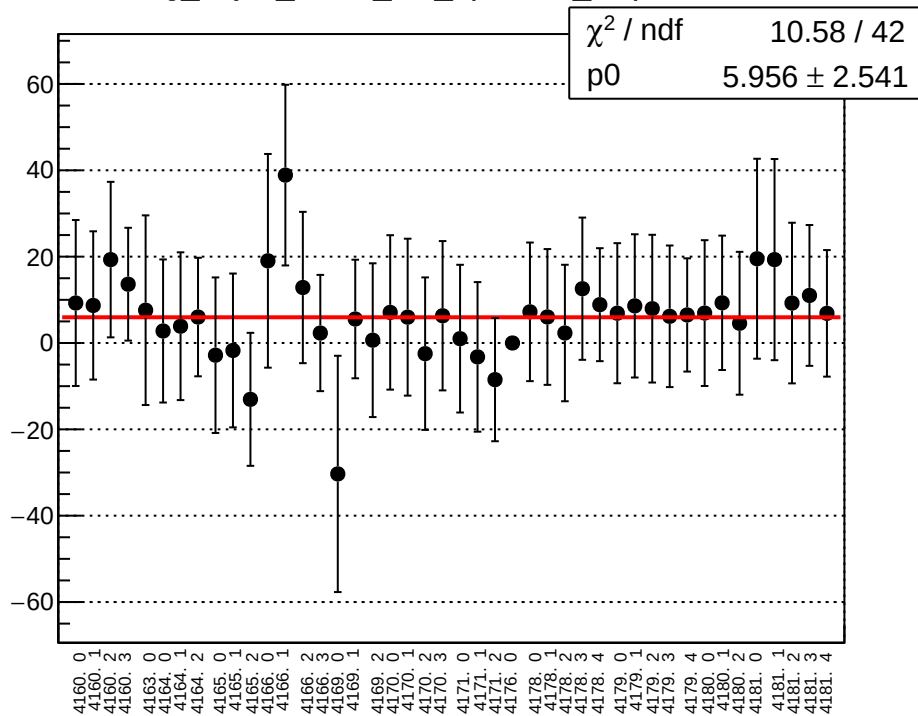
reg\_asym\_sam6\_diff\_bpm4eY\_slope vs run



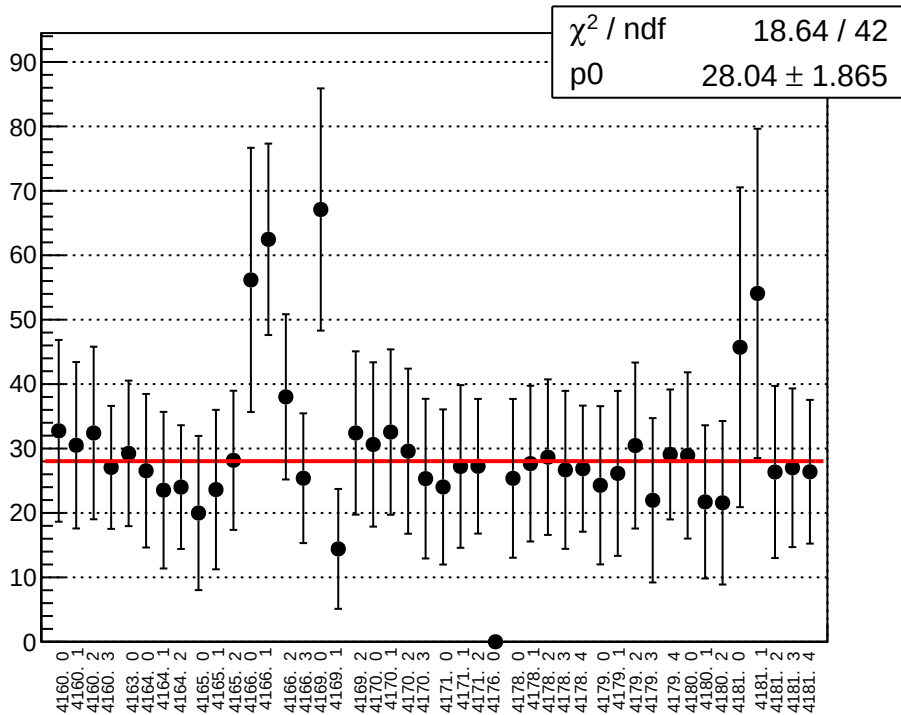
reg\_asym\_sam6\_diff\_bpm11X\_slope vs run



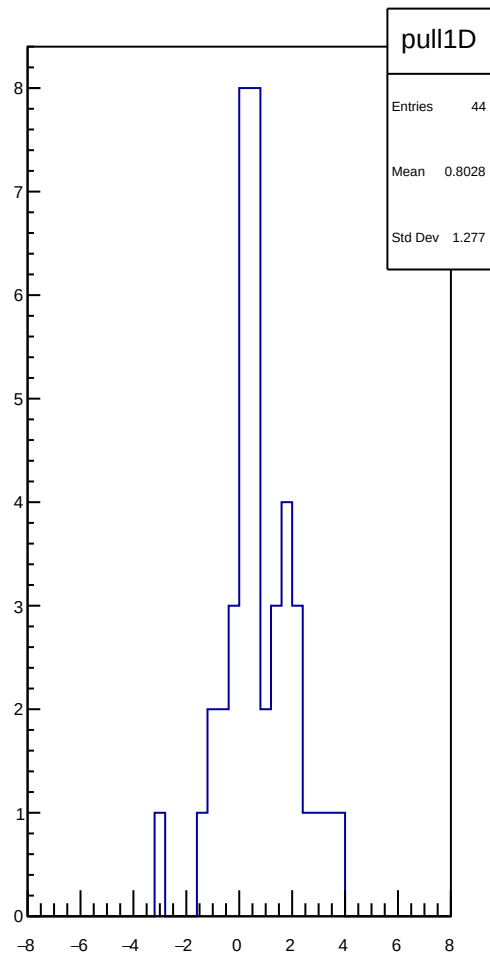
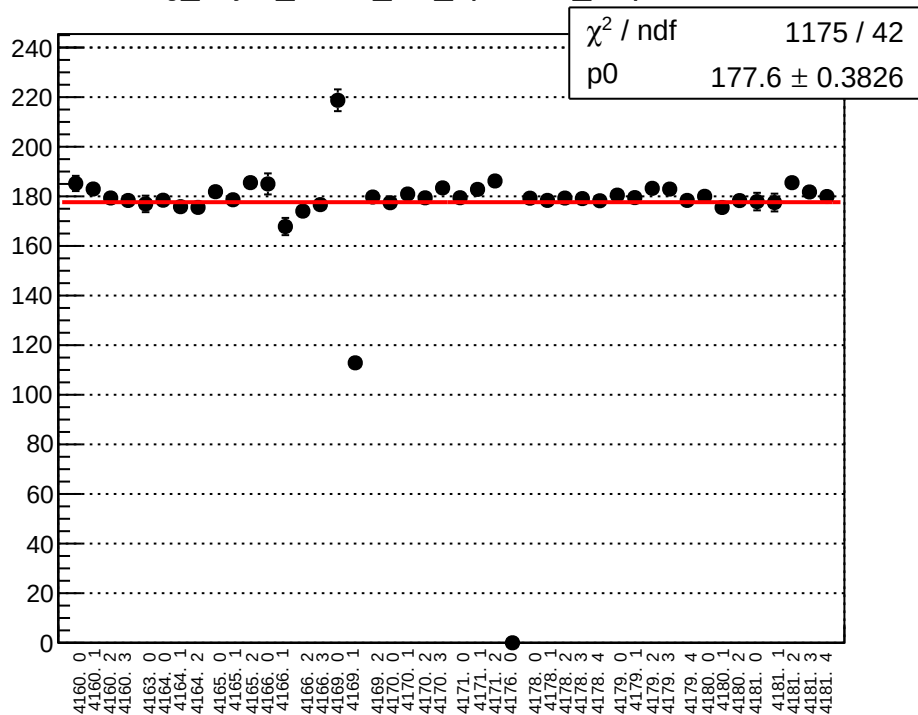
reg\_asym\_sam7\_diff\_bpm4aX\_slope vs run



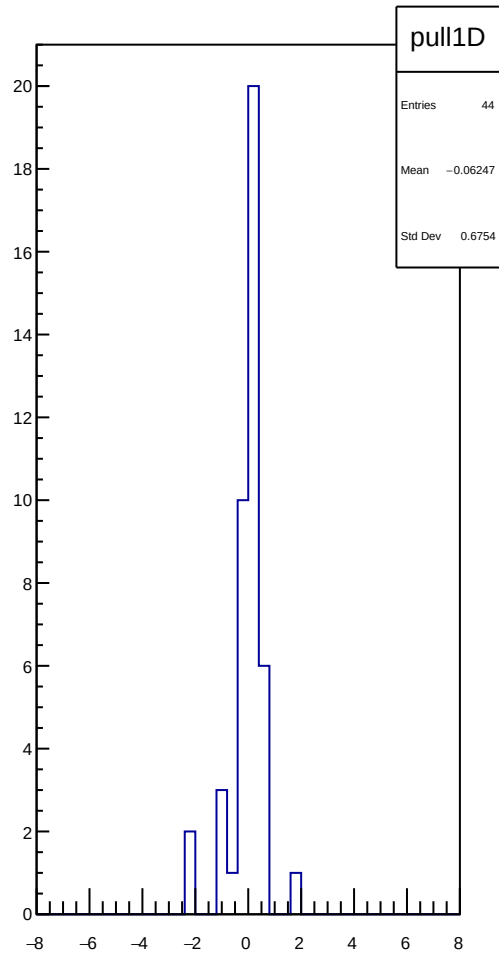
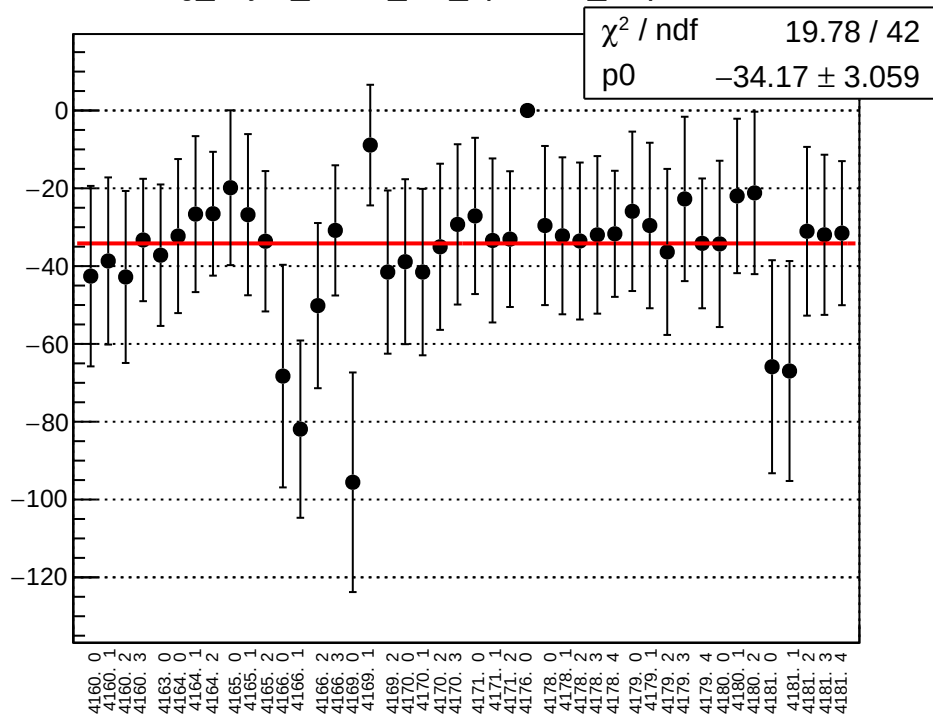
reg\_asym\_sam7\_diff\_bpm4aY\_slope vs run



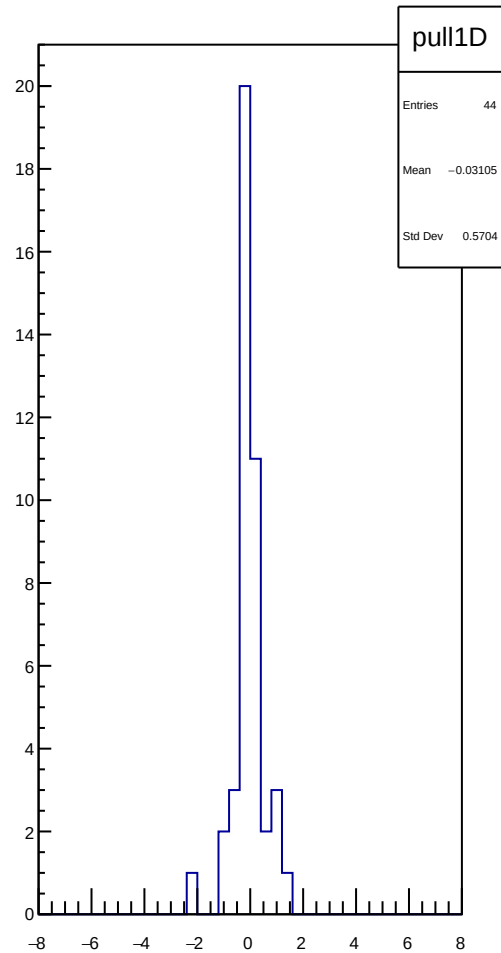
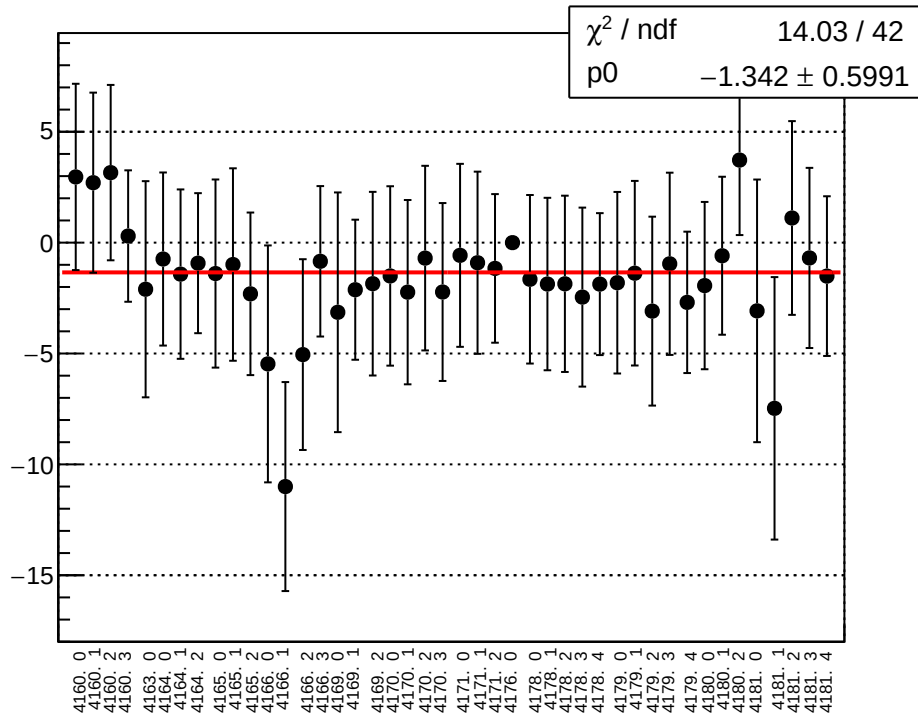
reg\_asym\_sam7\_diff\_bpm4eX\_slope vs run



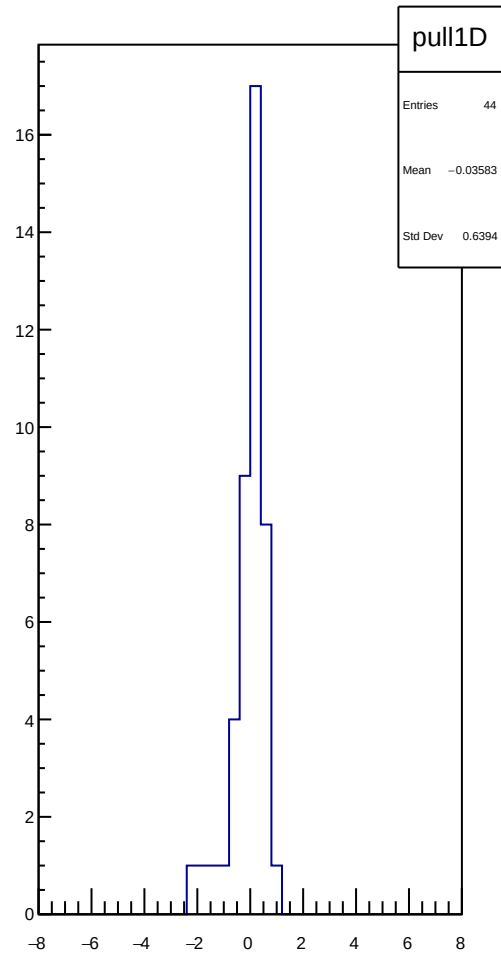
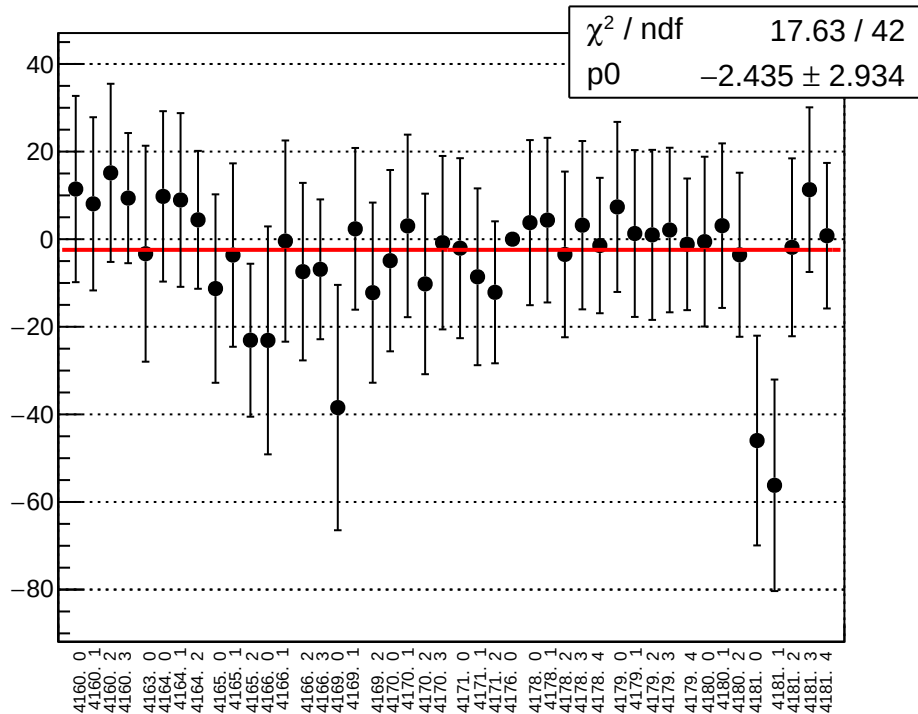
reg\_asym\_sam7\_diff\_bpm4eY\_slope vs run



reg\_asym\_sam7\_diff\_bpm11X\_slope vs run

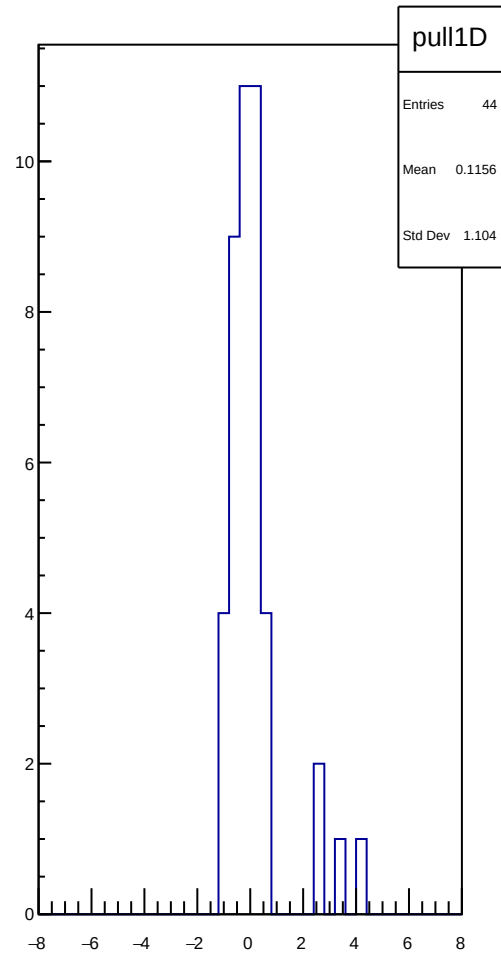
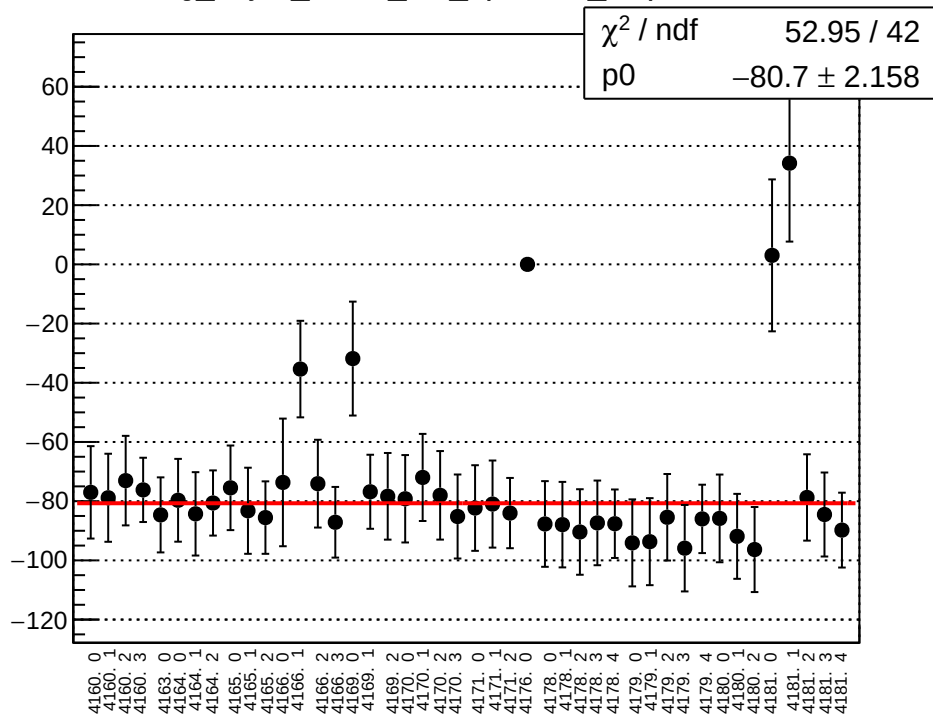


reg\_asym\_sam8\_diff\_bpm4aX\_slope vs run

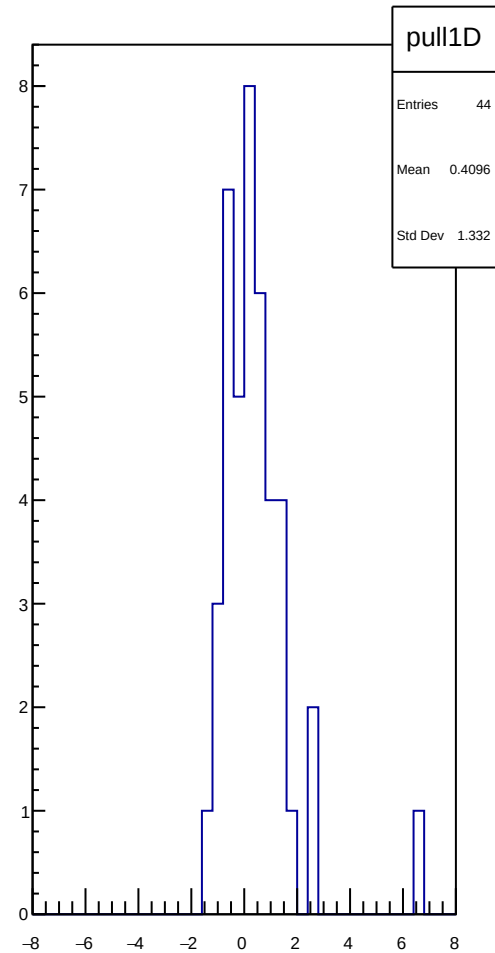
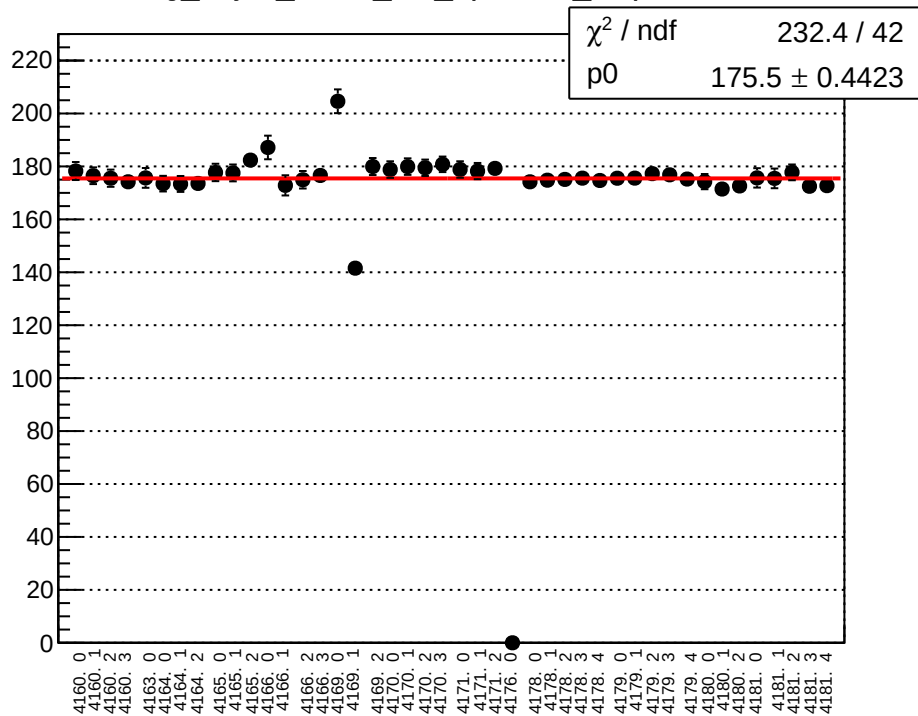




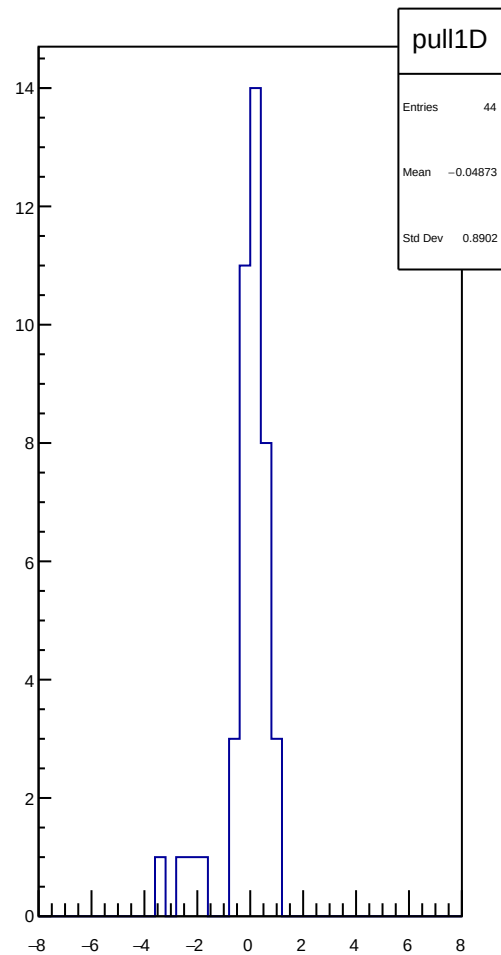
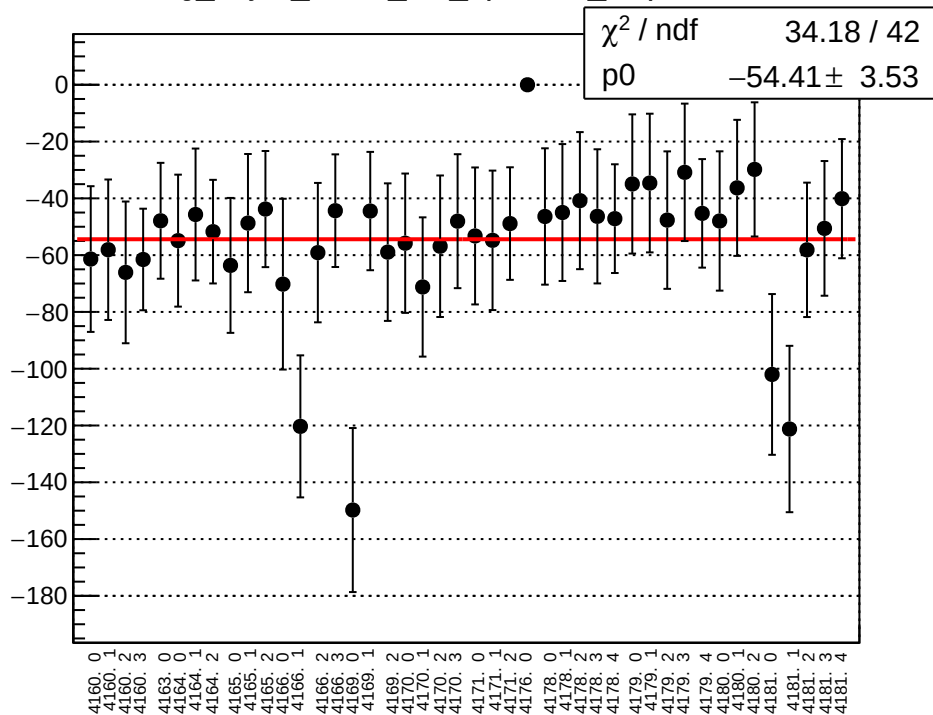
reg\_asym\_sam8\_diff\_bpm4aY\_slope vs run



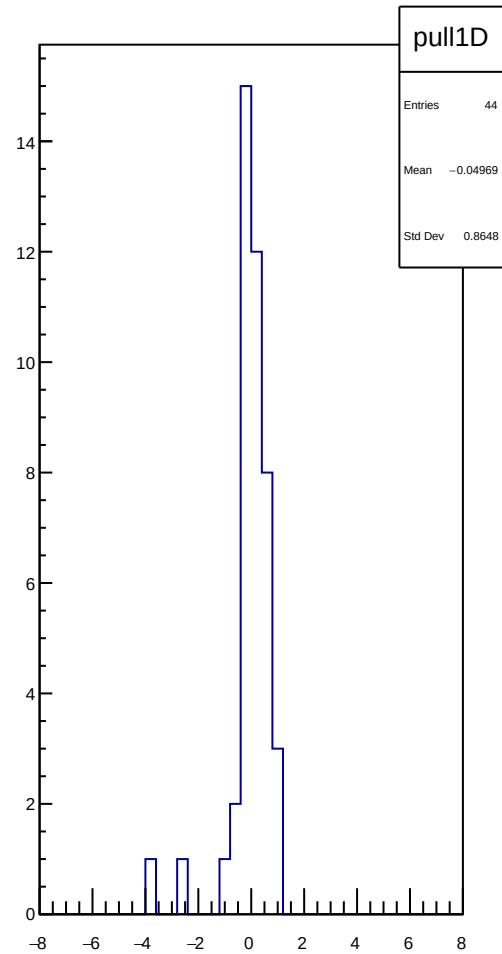
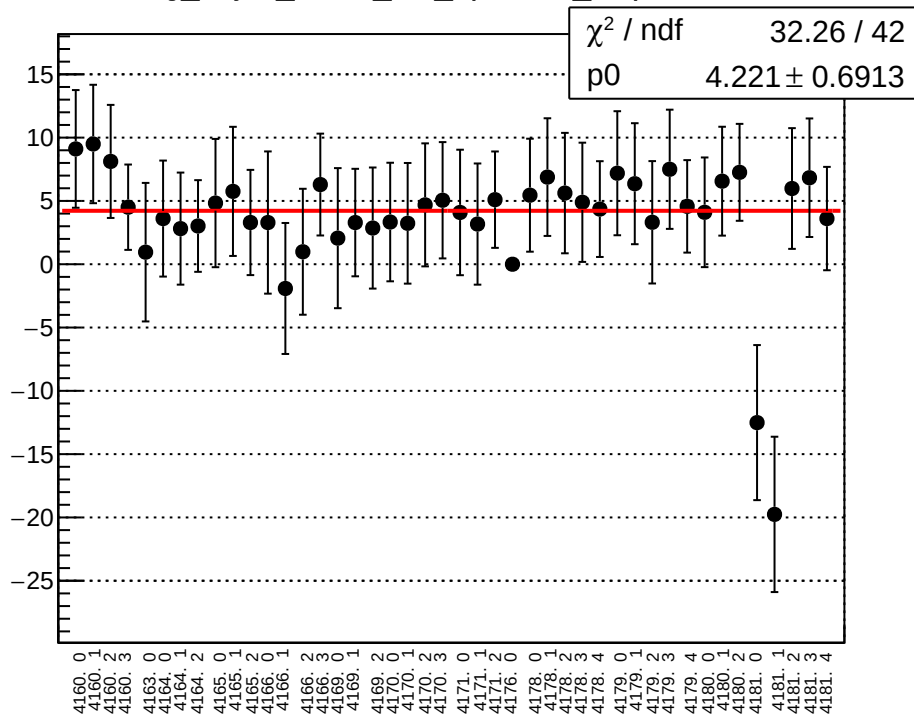
reg\_asym\_sam8\_diff\_bpm4eX\_slope vs run



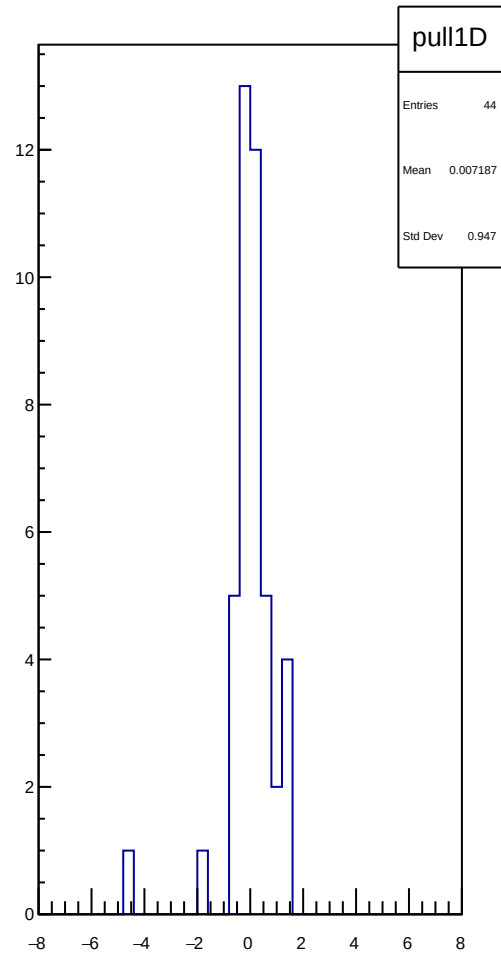
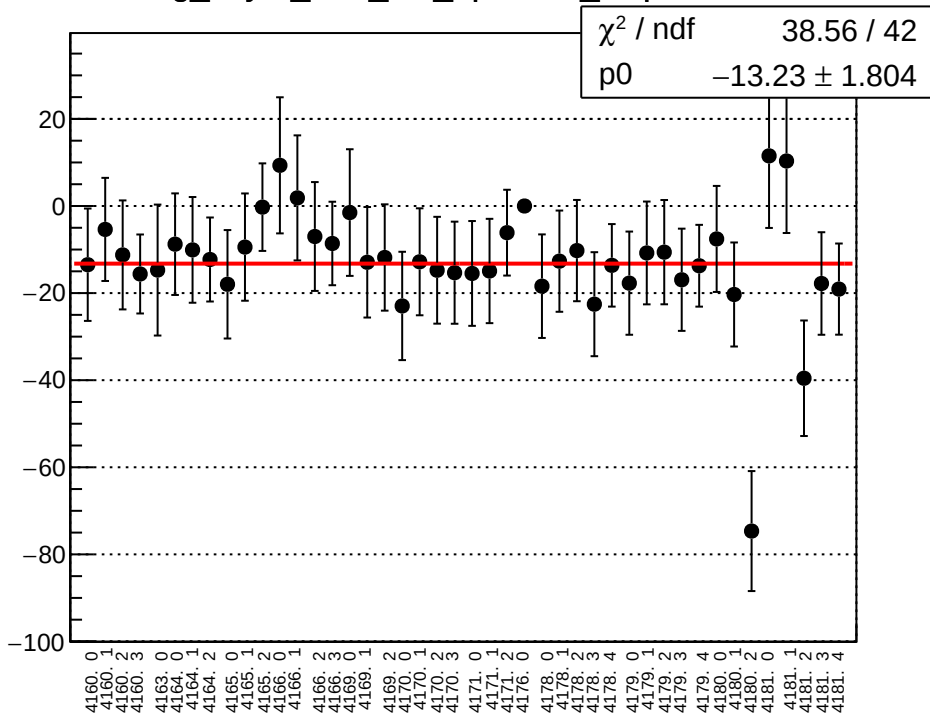
reg\_asym\_sam8\_diff\_bpm4eY\_slope vs run



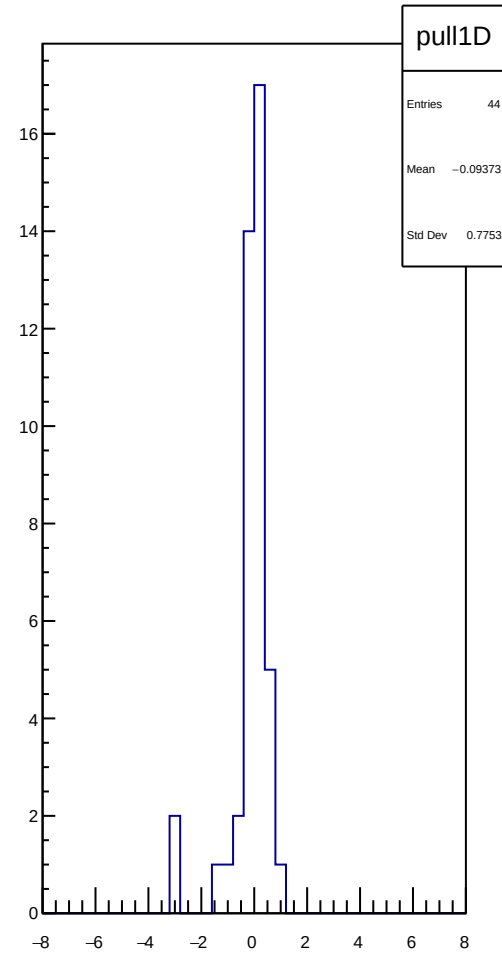
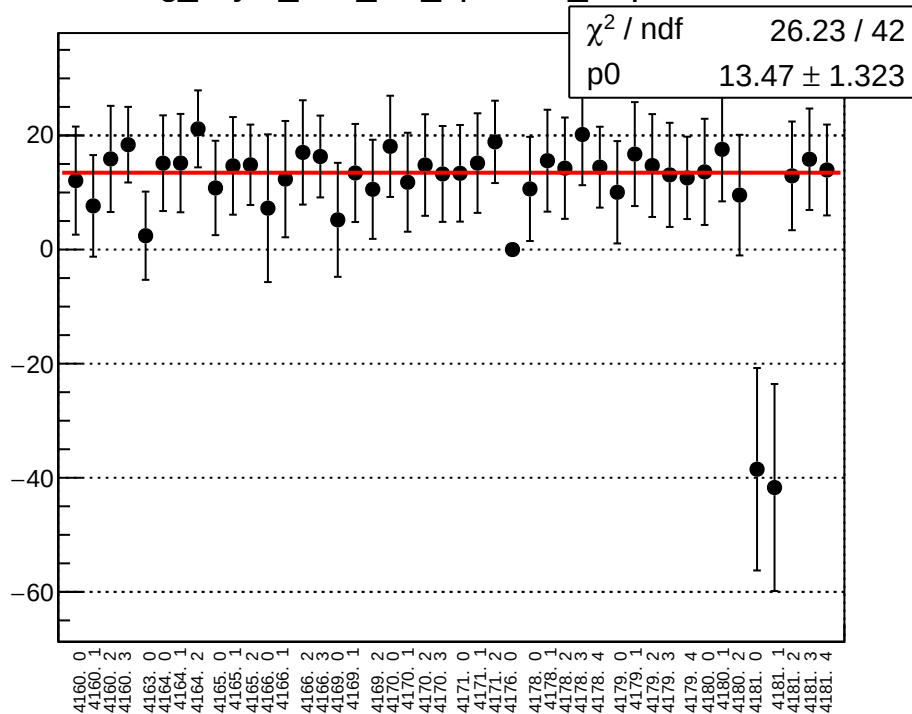
reg\_asym\_sam8\_diff\_bpm11X\_slope vs run



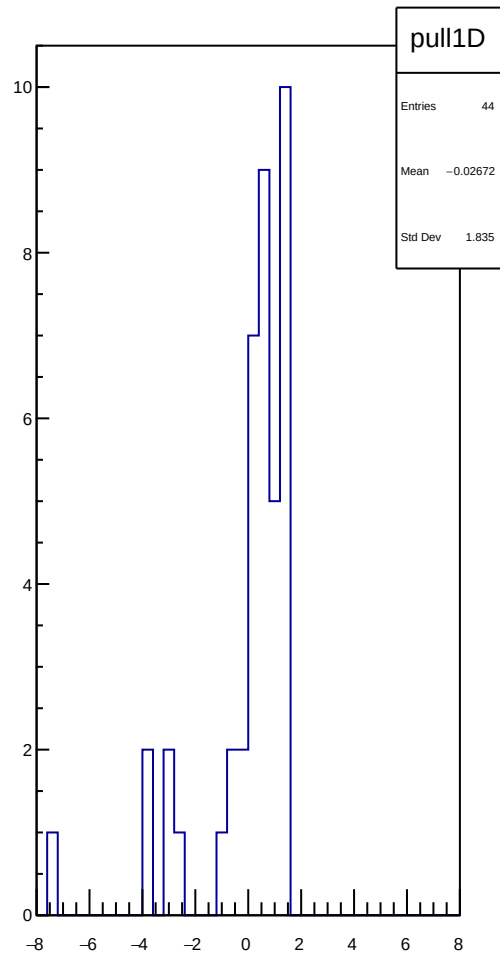
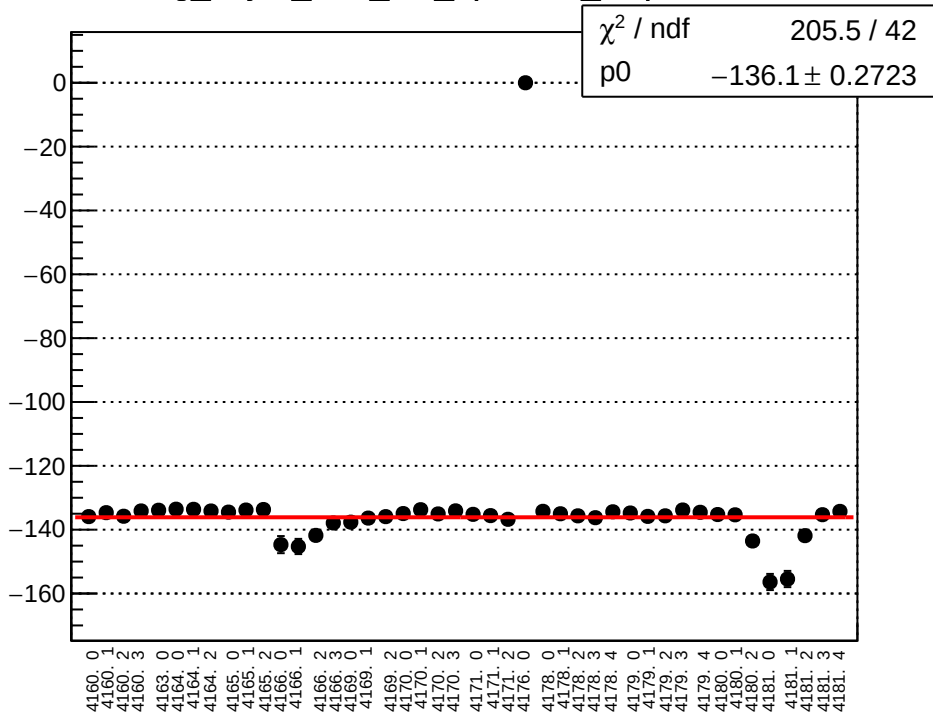
reg\_asym\_atr1\_diff\_bpm4aX\_slope vs run



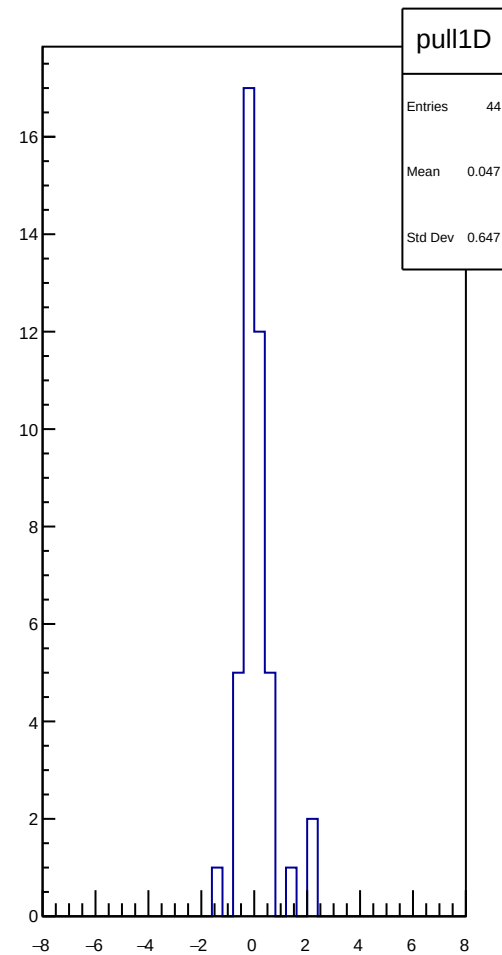
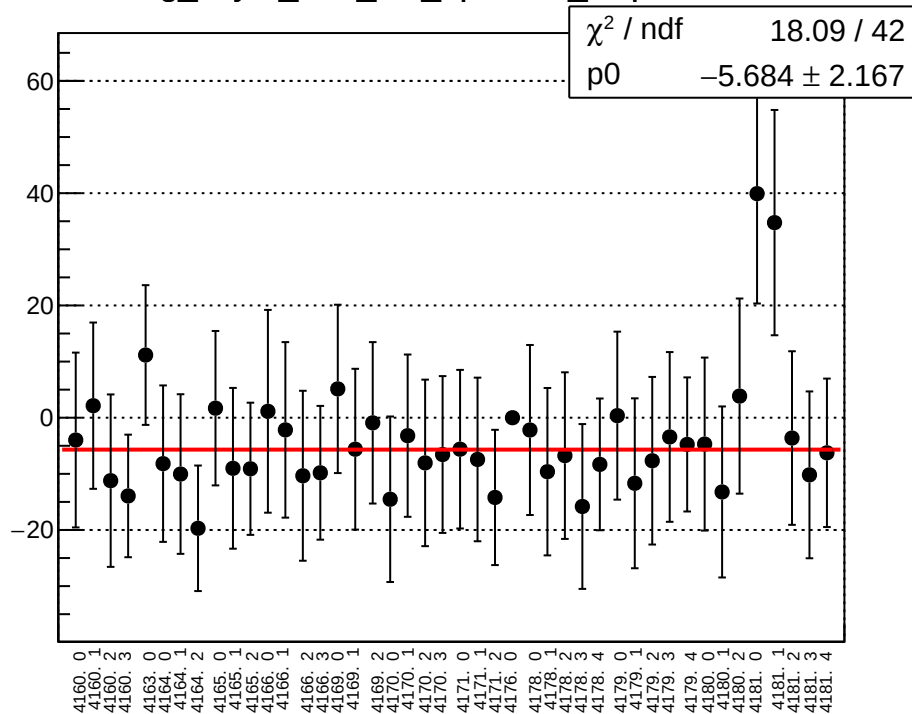
reg\_asym\_atr1\_diff\_bpm4aY\_slope vs run



## reg\_asym\_atr1\_diff\_bpm4eX\_slope vs run

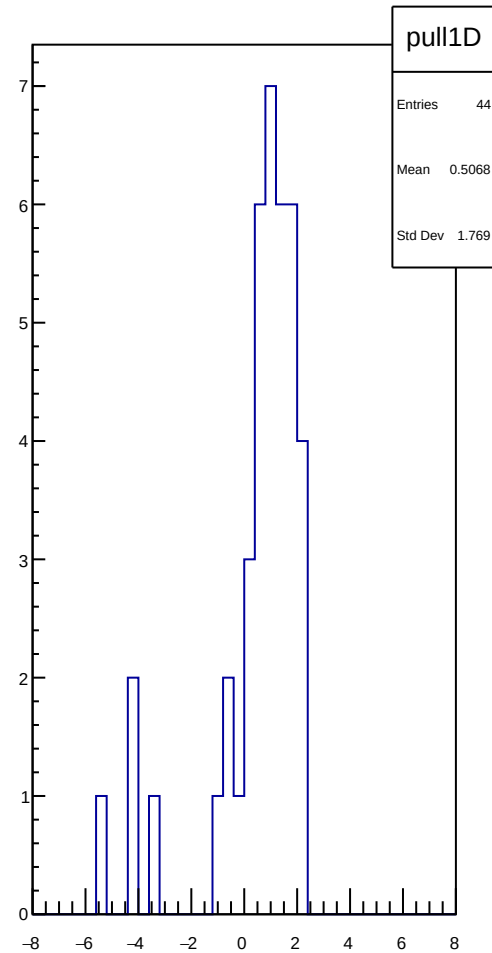
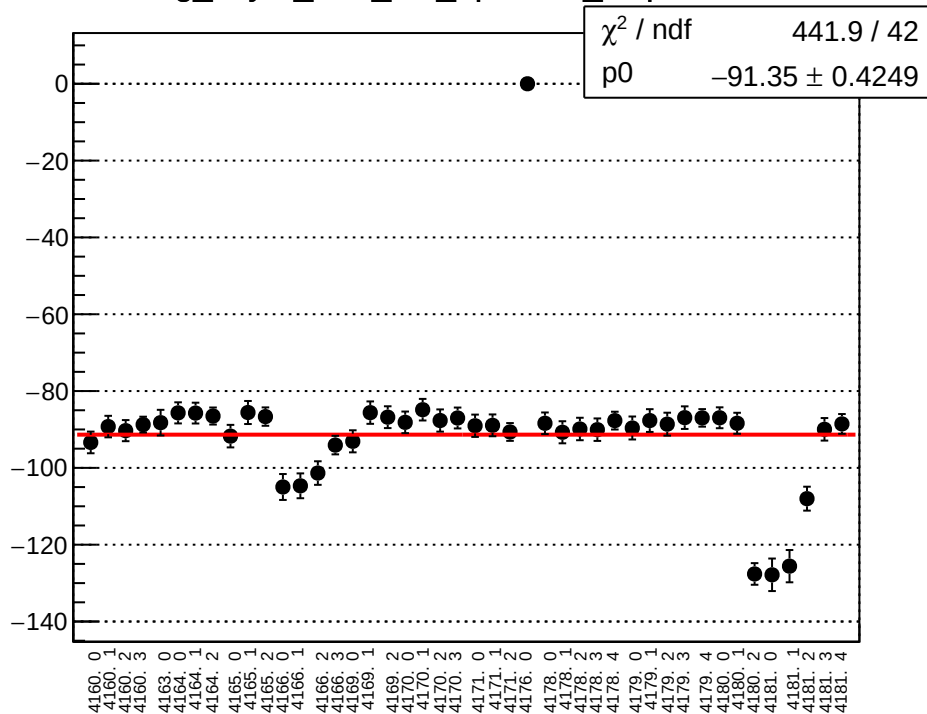


reg\_asym\_atr1\_diff\_bpm4eY\_slope vs run

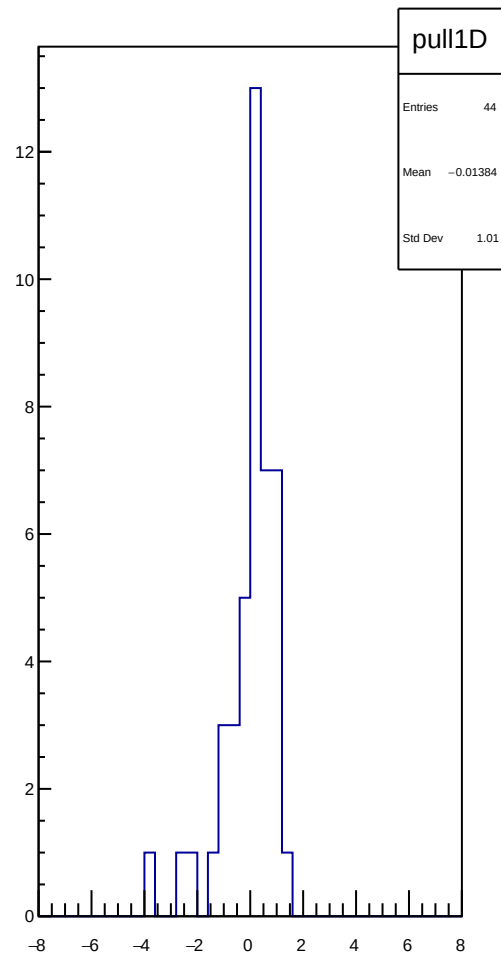
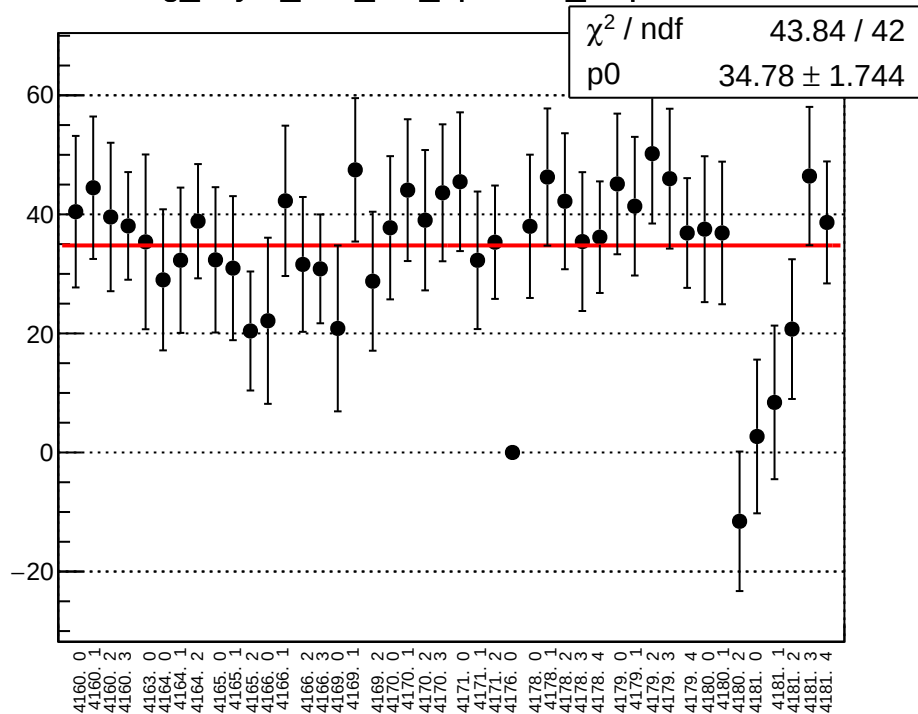




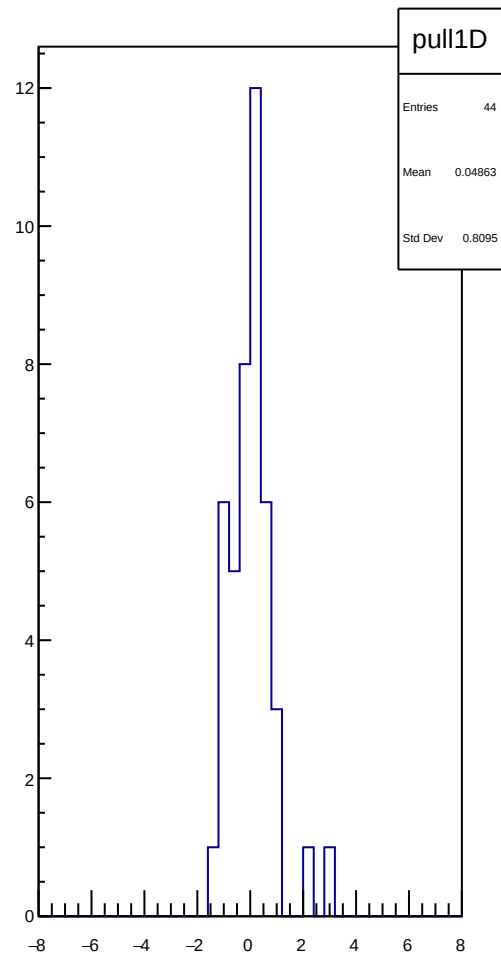
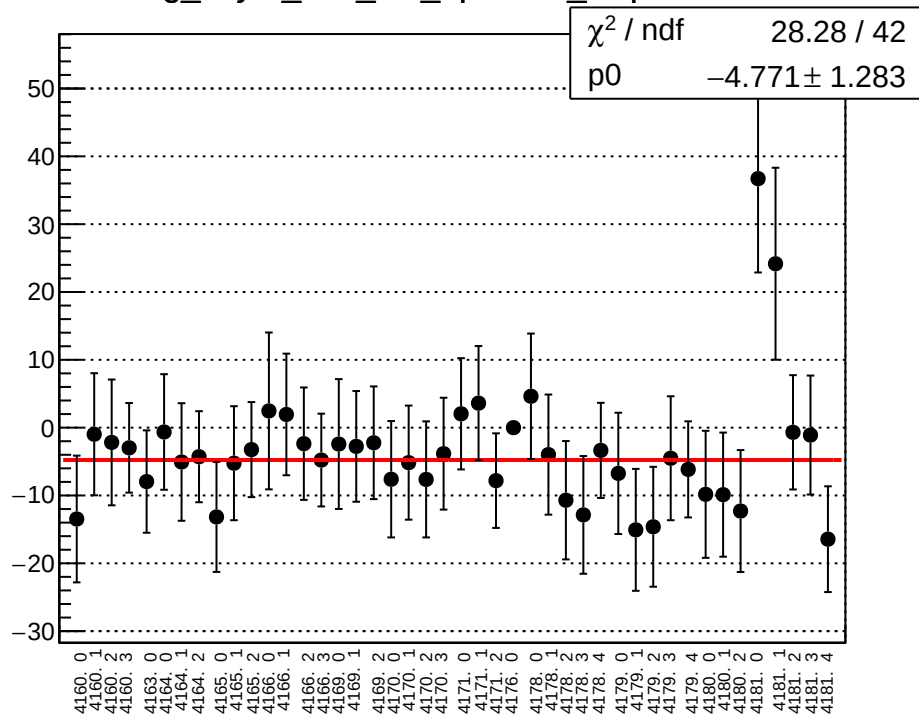
reg\_asym\_atr1\_diff\_bpm11X\_slope vs run



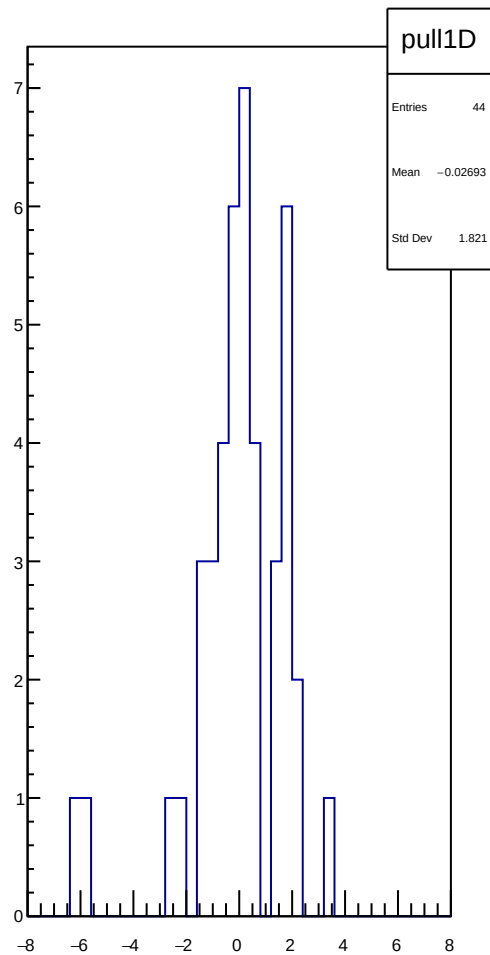
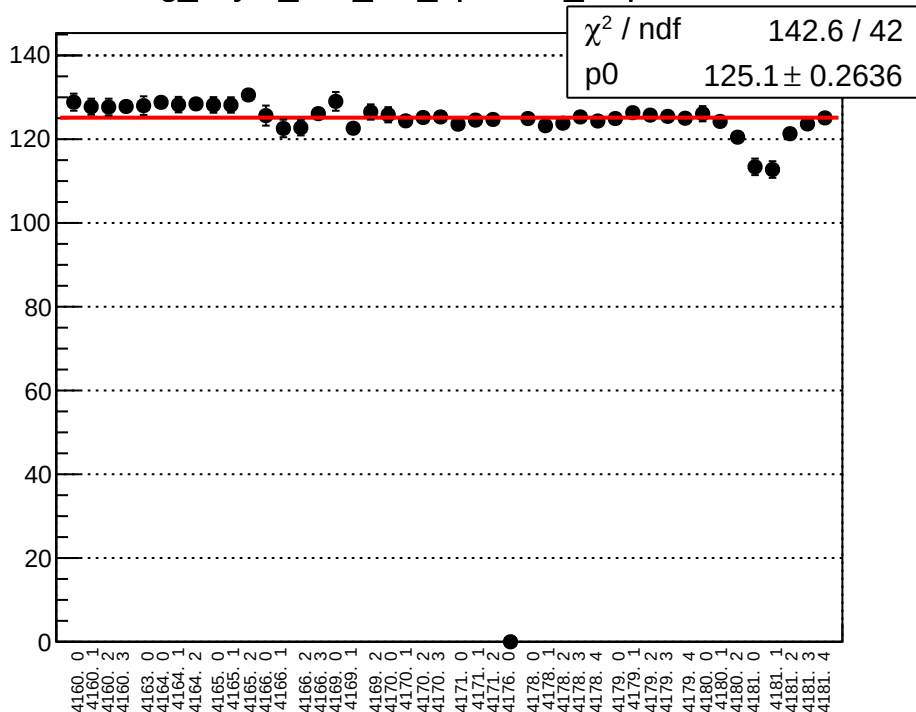
reg\_asym\_atl1\_diff\_bpm4aX\_slope vs run



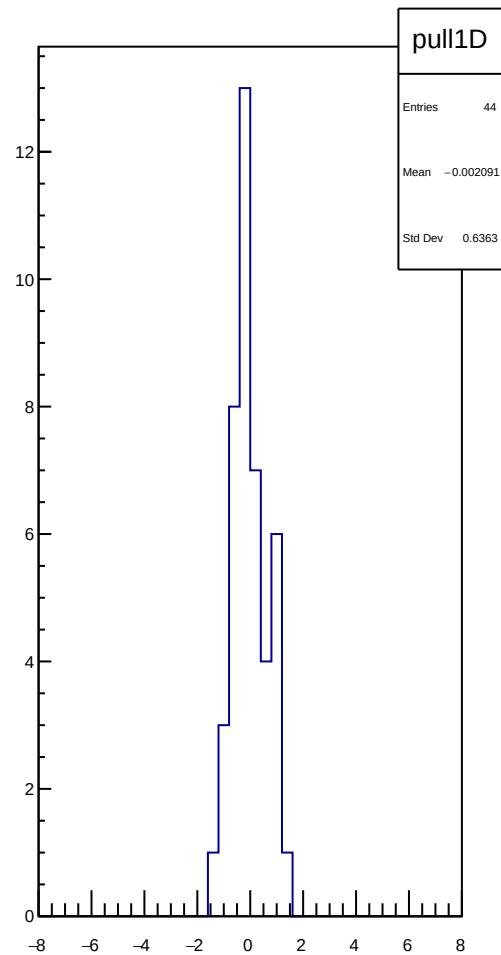
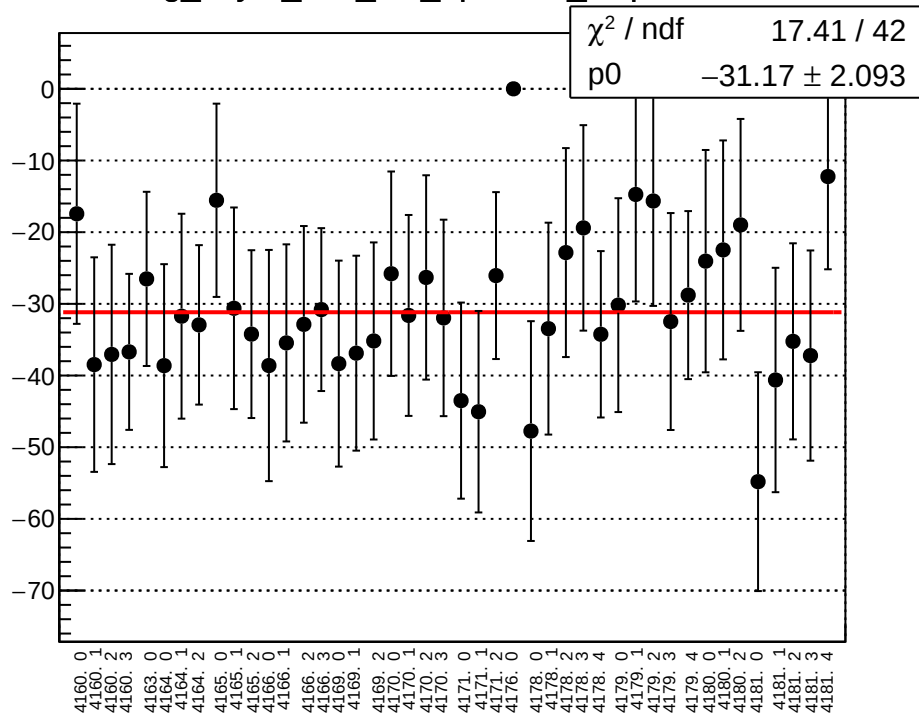
reg\_asym\_atl1\_diff\_bpm4aY\_slope vs run



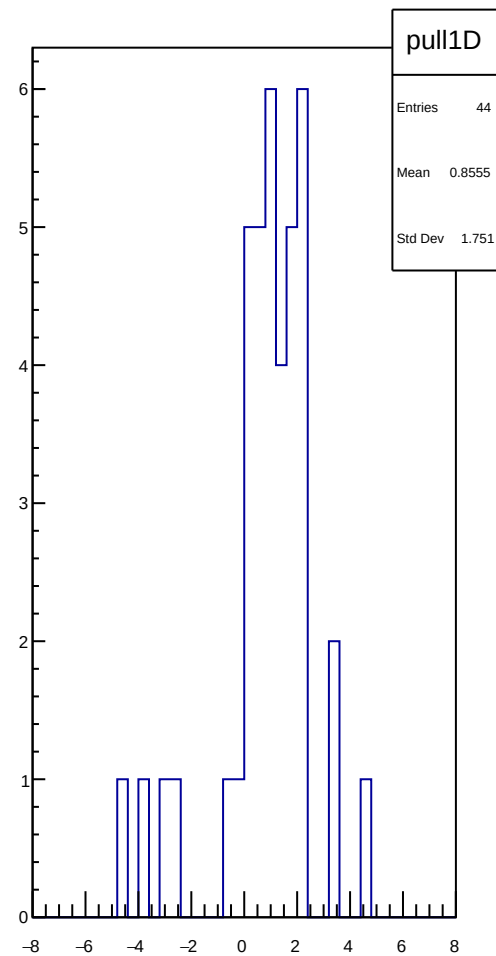
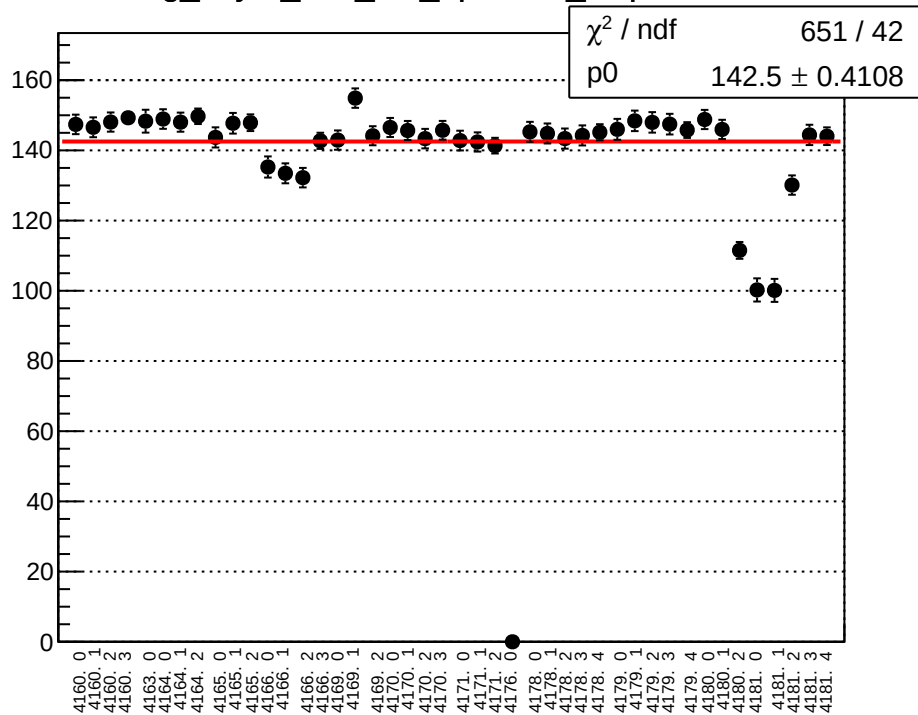
reg\_asym\_atl1\_diff\_bpm4eX\_slope vs run



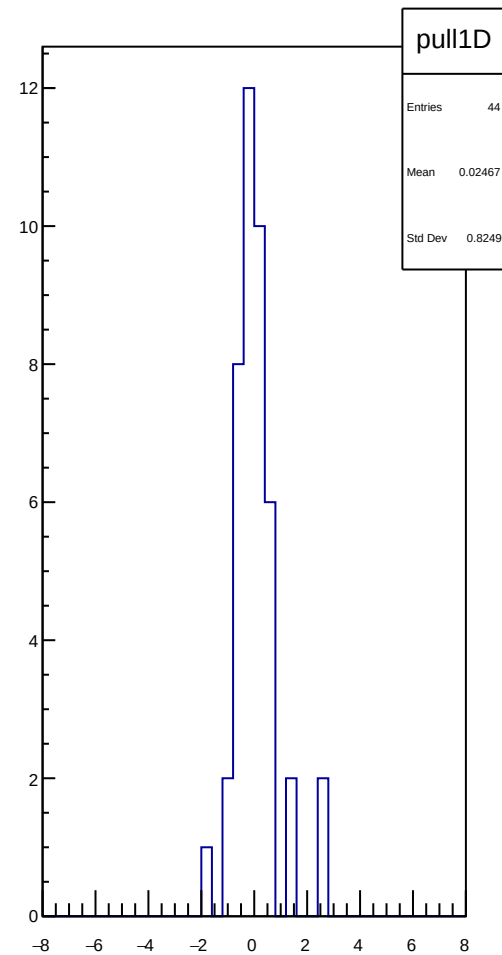
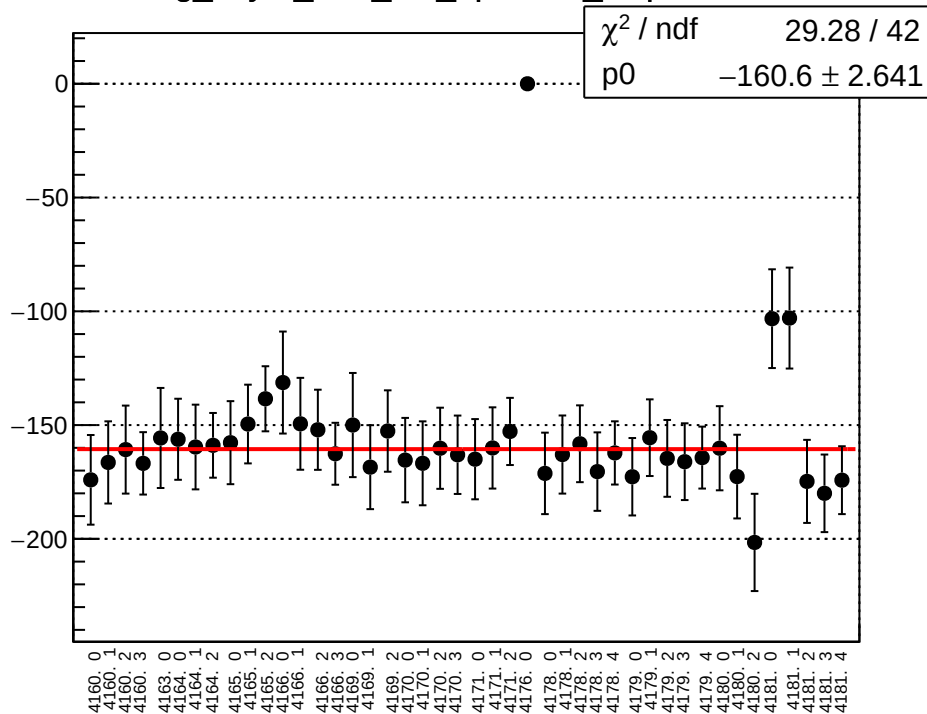
reg\_asym\_atl1\_diff\_bpm4eY\_slope vs run



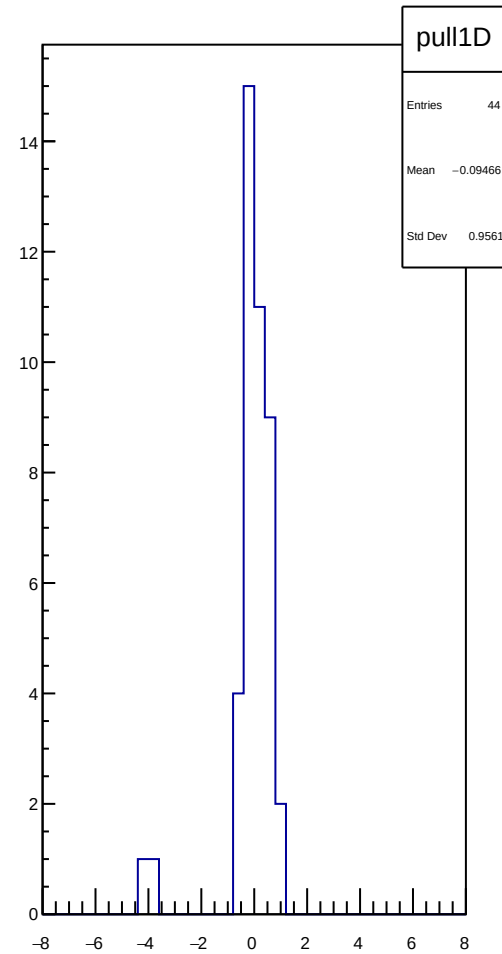
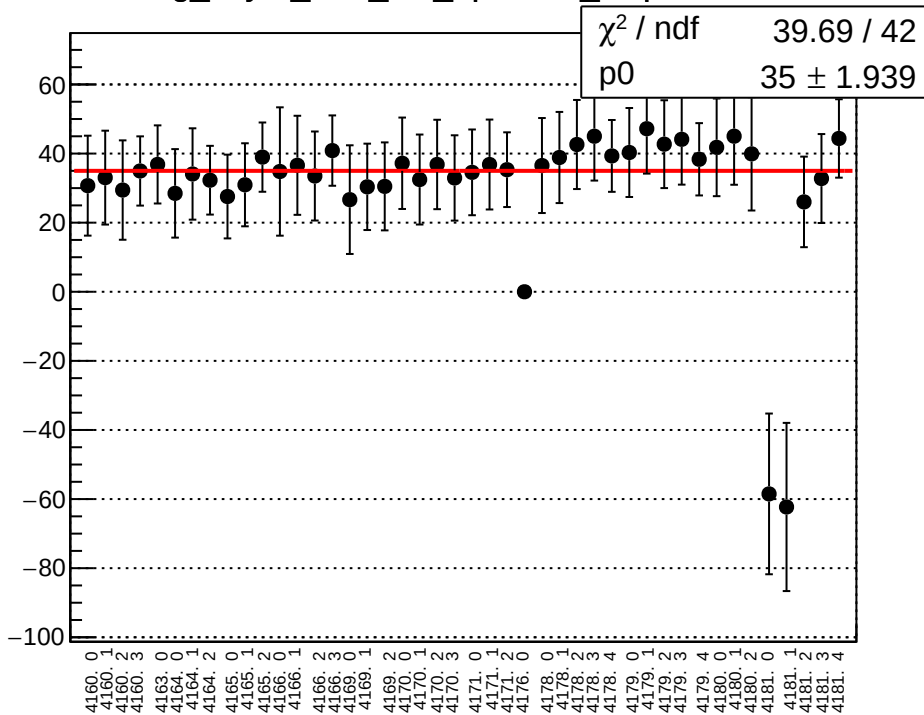
reg\_asym\_atl1\_diff\_bpm11X\_slope vs run



reg\_asym\_atr2\_diff\_bpm4aX\_slope vs run

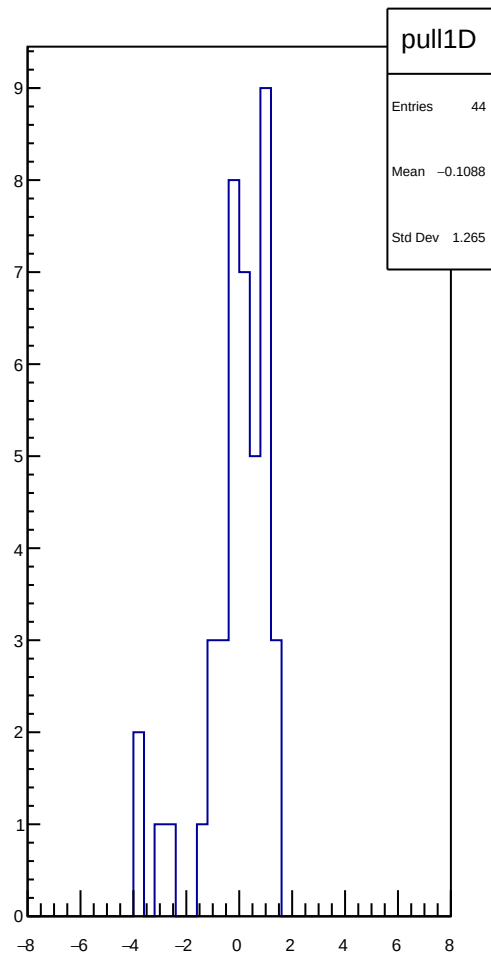
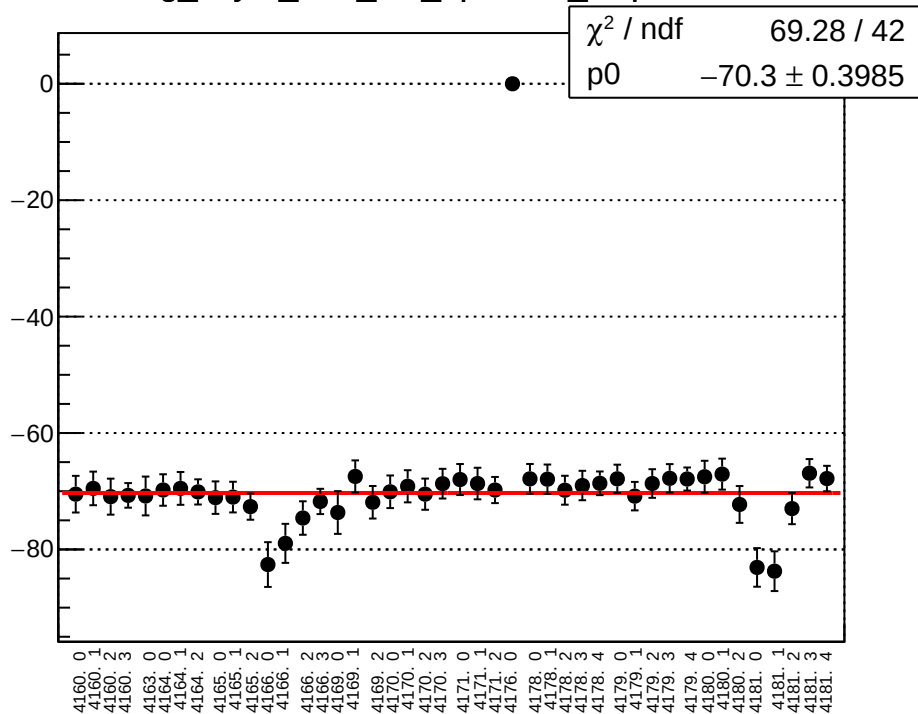


reg\_asym\_atr2\_diff\_bpm4aY\_slope vs run

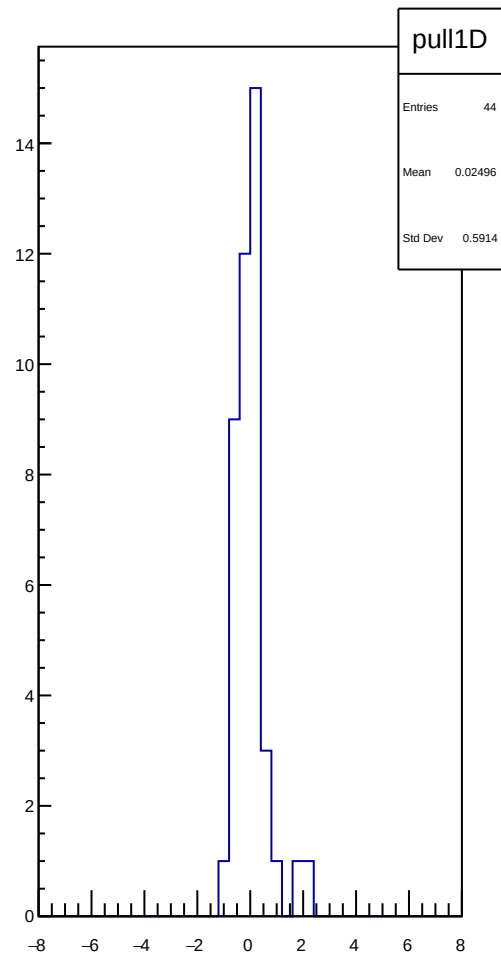
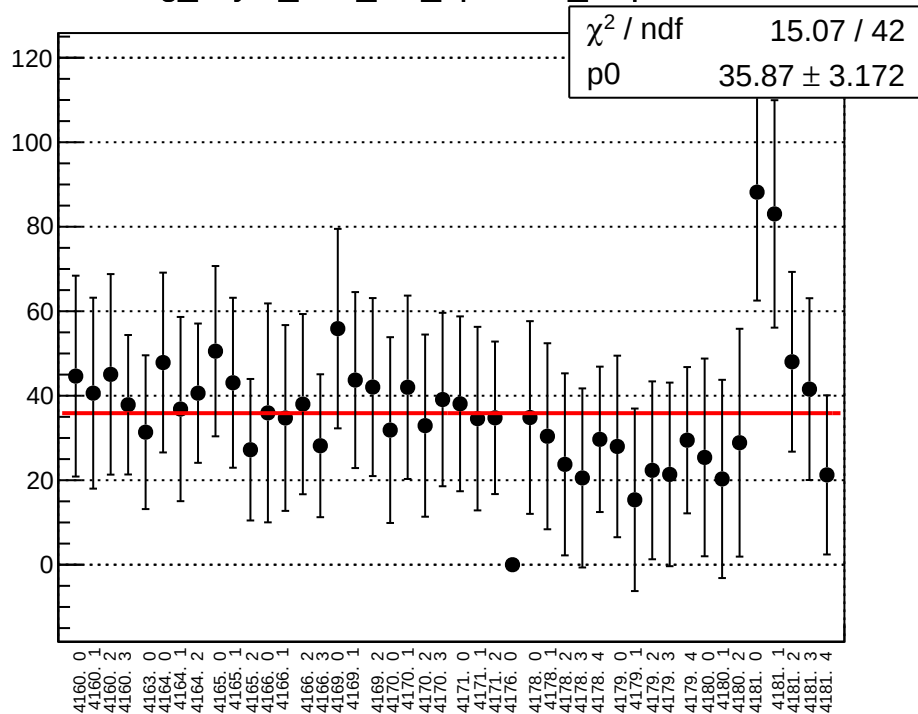




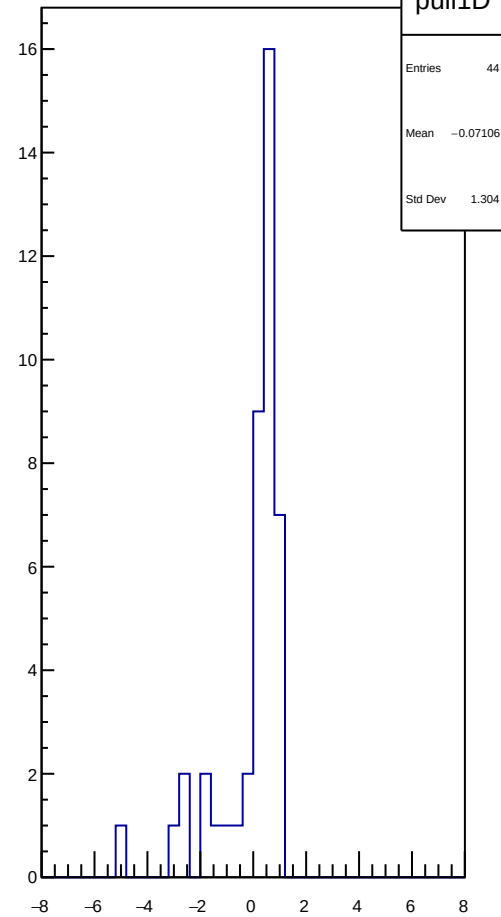
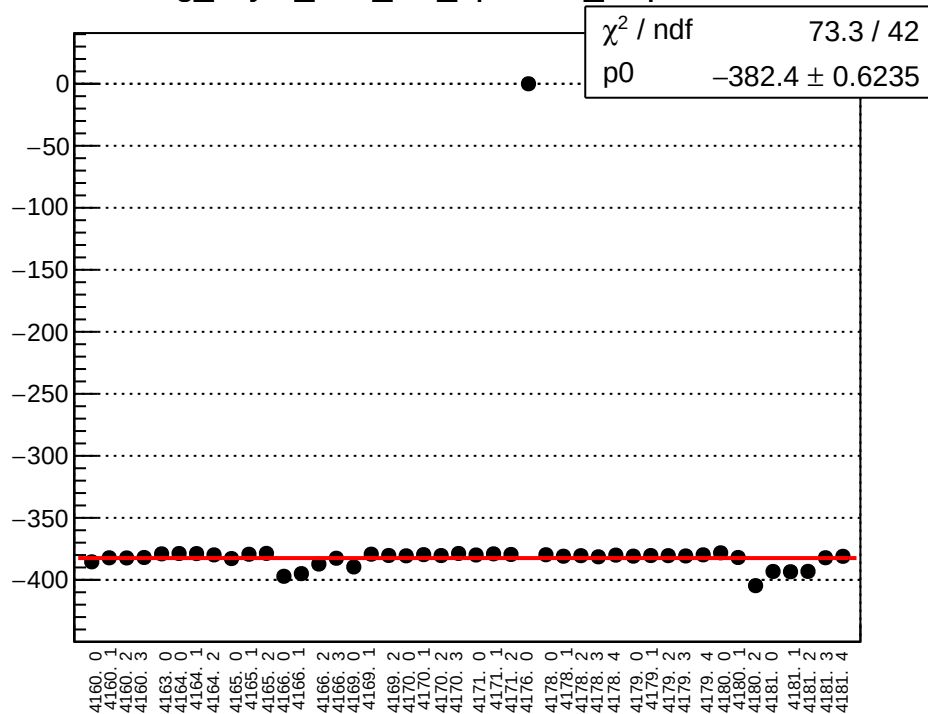
reg\_asym\_atr2\_diff\_bpm4eX\_slope vs run



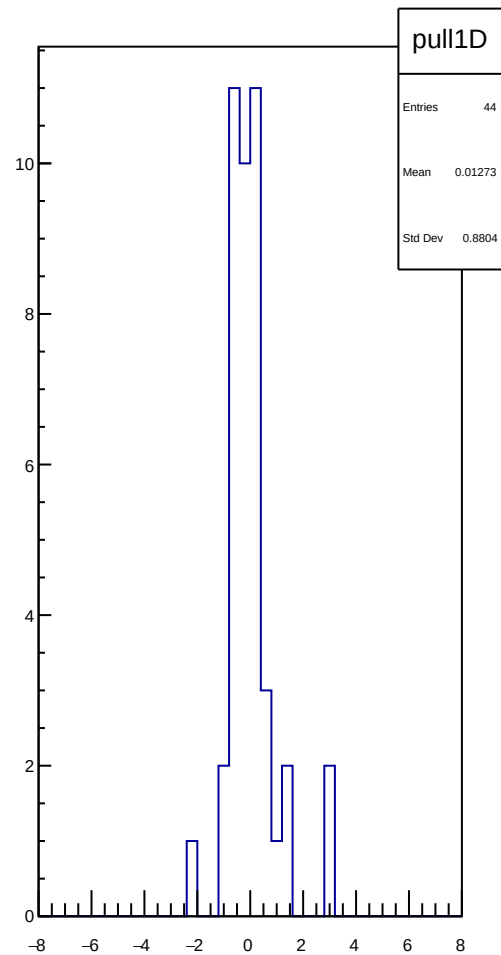
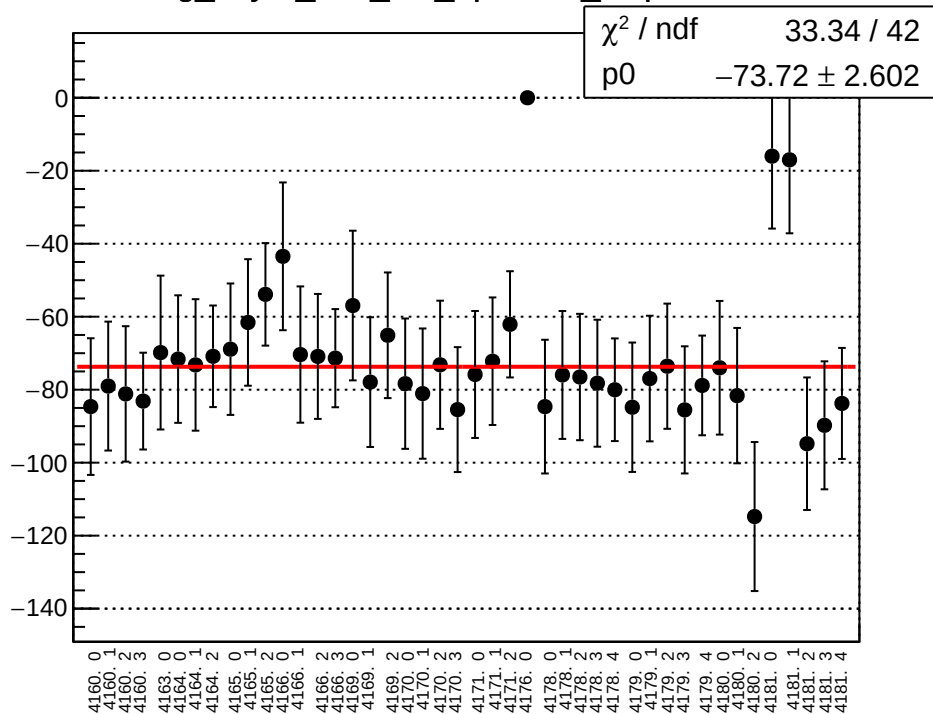
reg\_asym\_atr2\_diff\_bpm4eY\_slope vs run



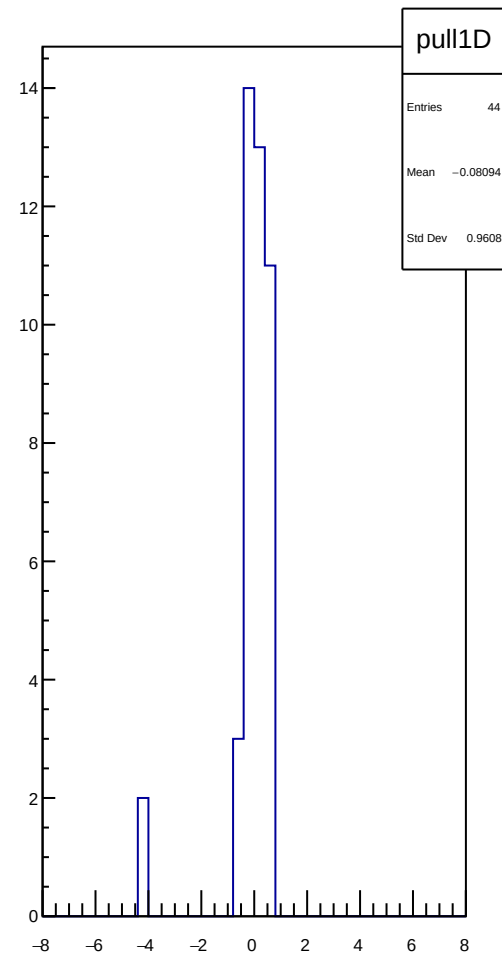
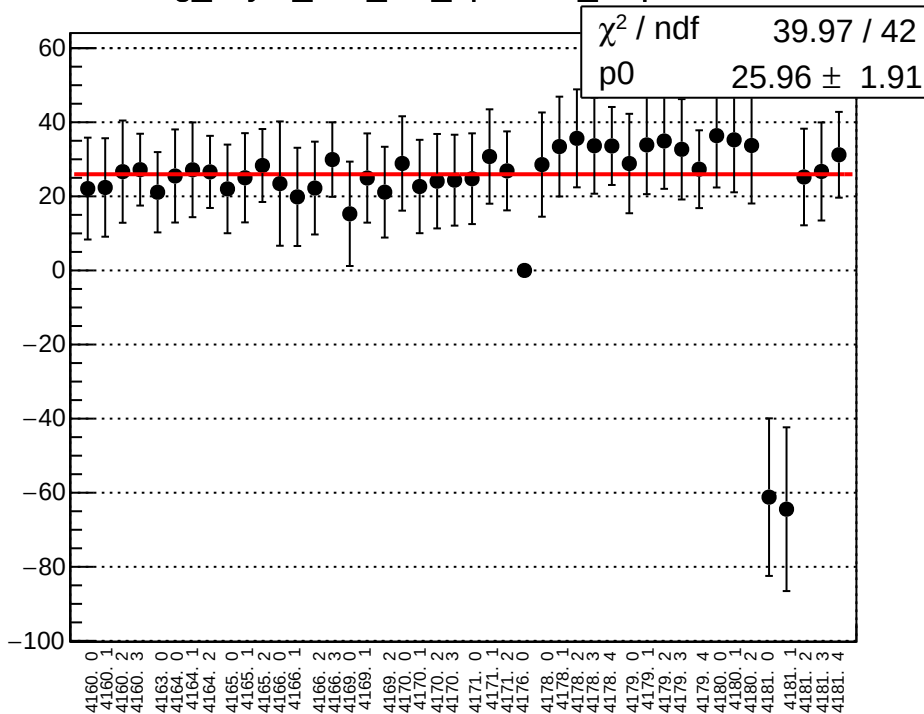
reg\_asym\_atr2\_diff\_bpm11X\_slope vs run



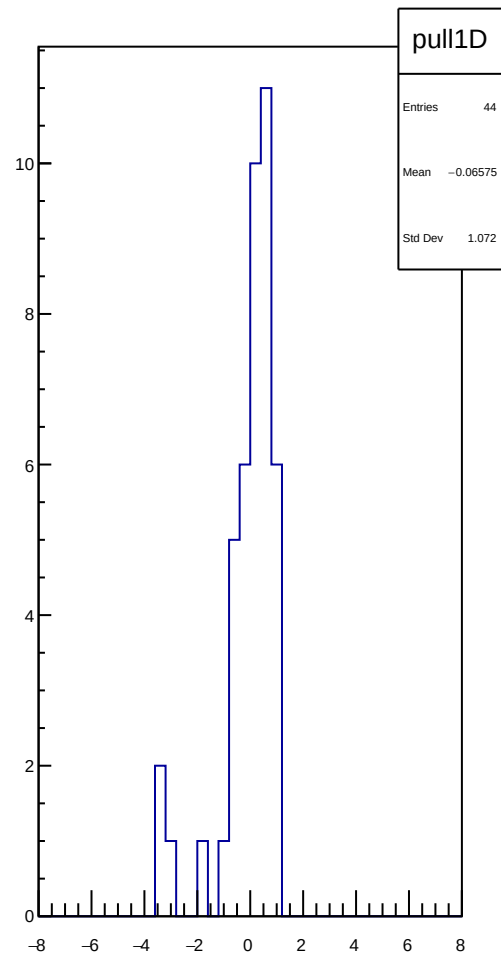
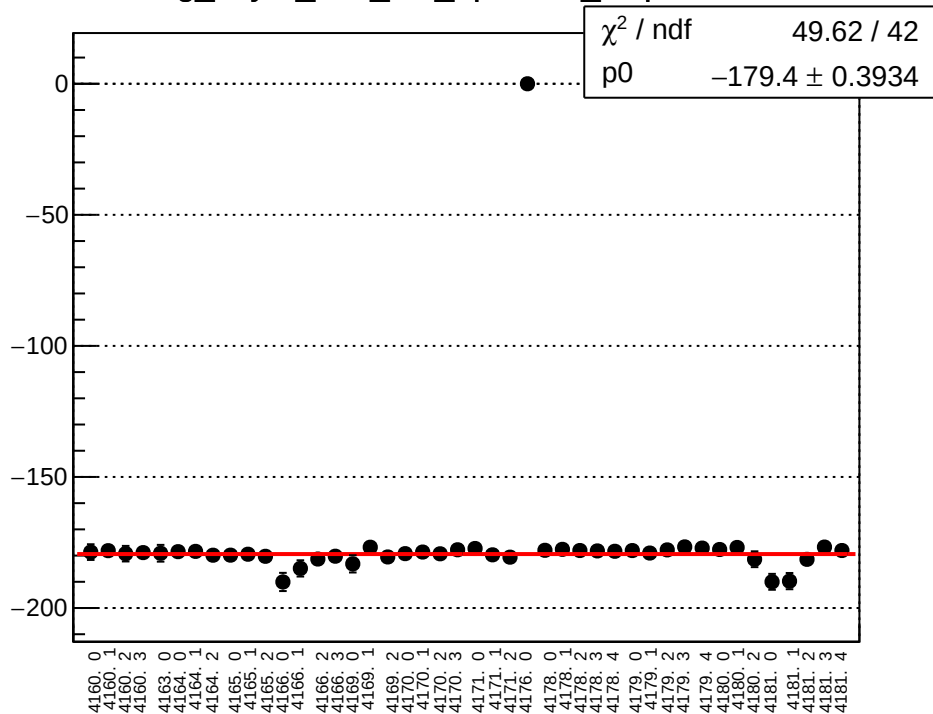
reg\_asym\_atl2\_diff\_bpm4aX\_slope vs run



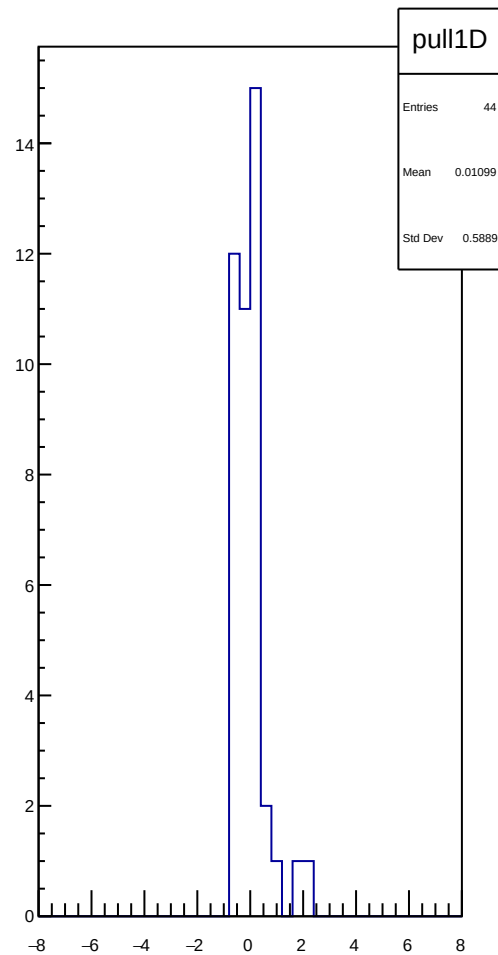
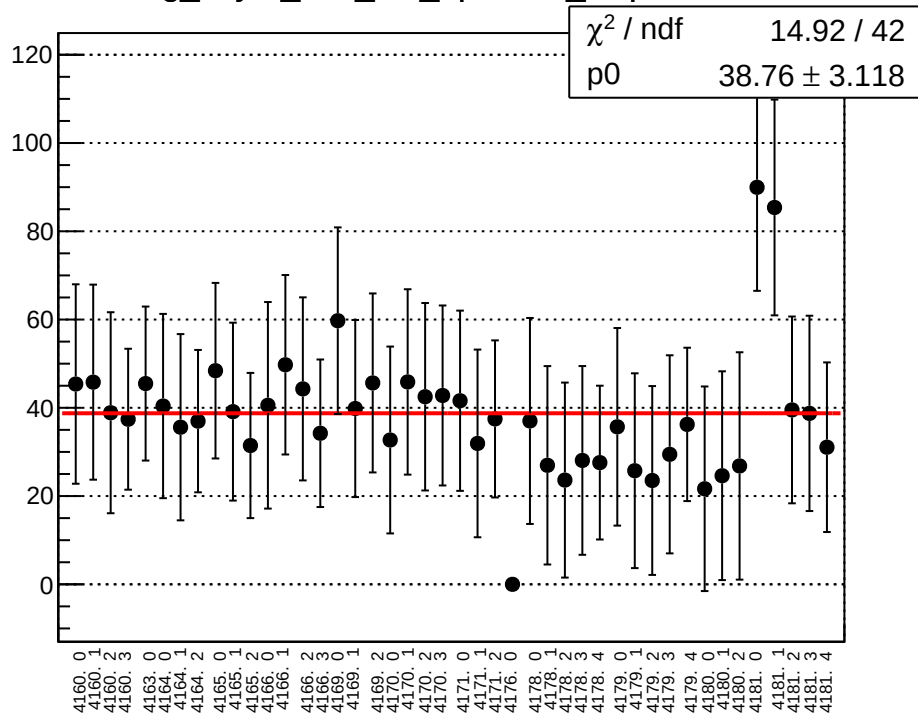
reg\_asym\_atl2\_diff\_bpm4aY\_slope vs run



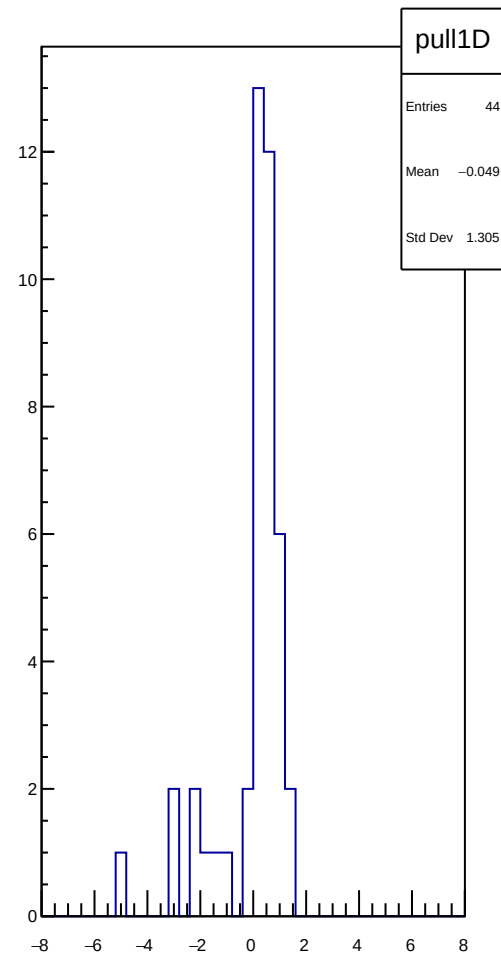
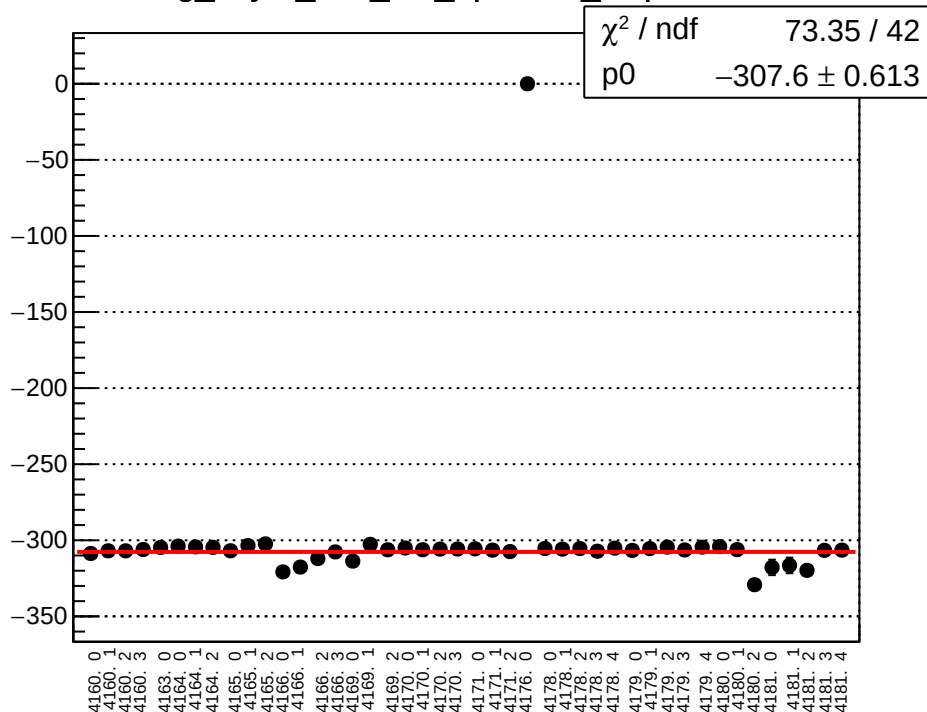
reg\_asym\_atl2\_diff\_bpm4eX\_slope vs run



reg\_asym\_atl2\_diff\_bpm4eY\_slope vs run

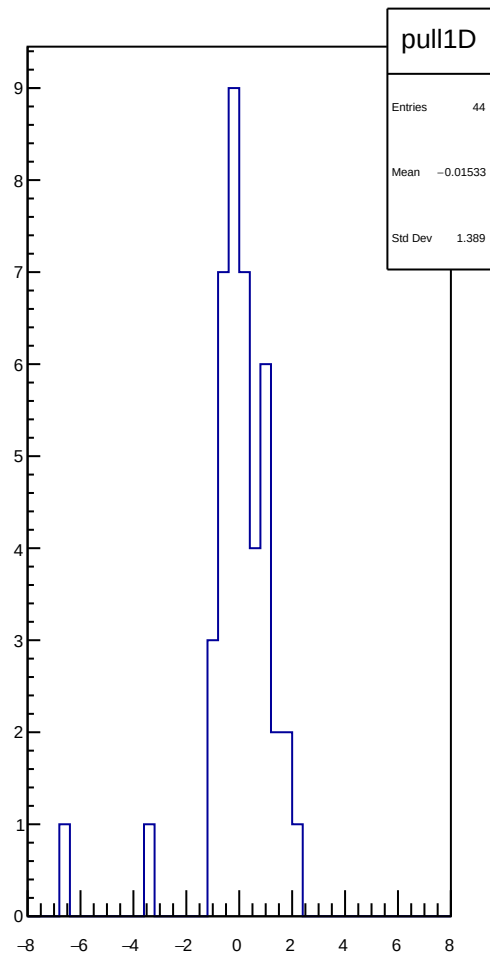
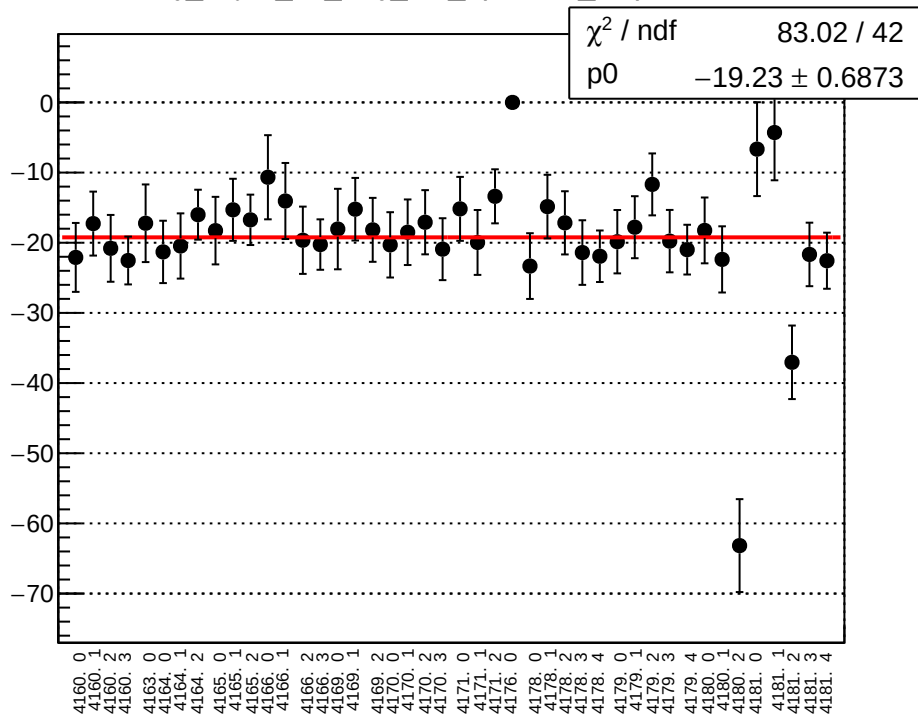


reg\_asym\_atl2\_diff\_bpm11X\_slope vs run

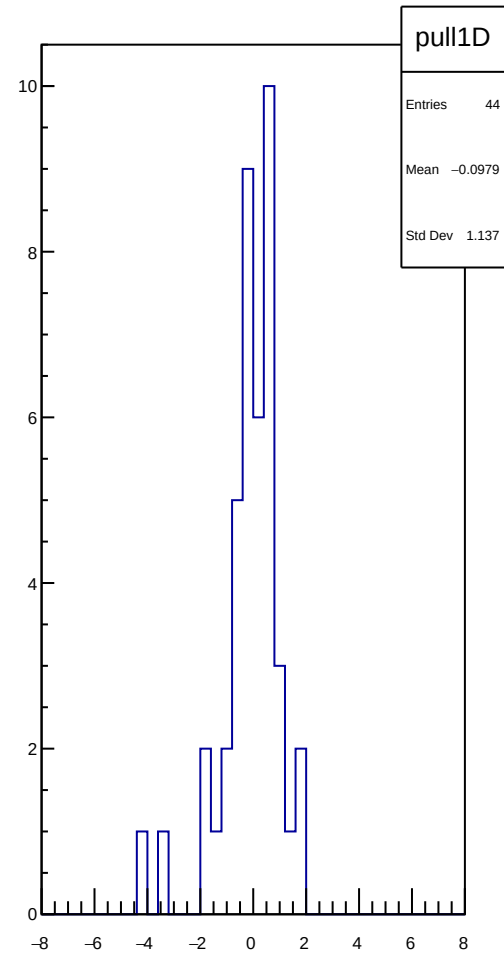
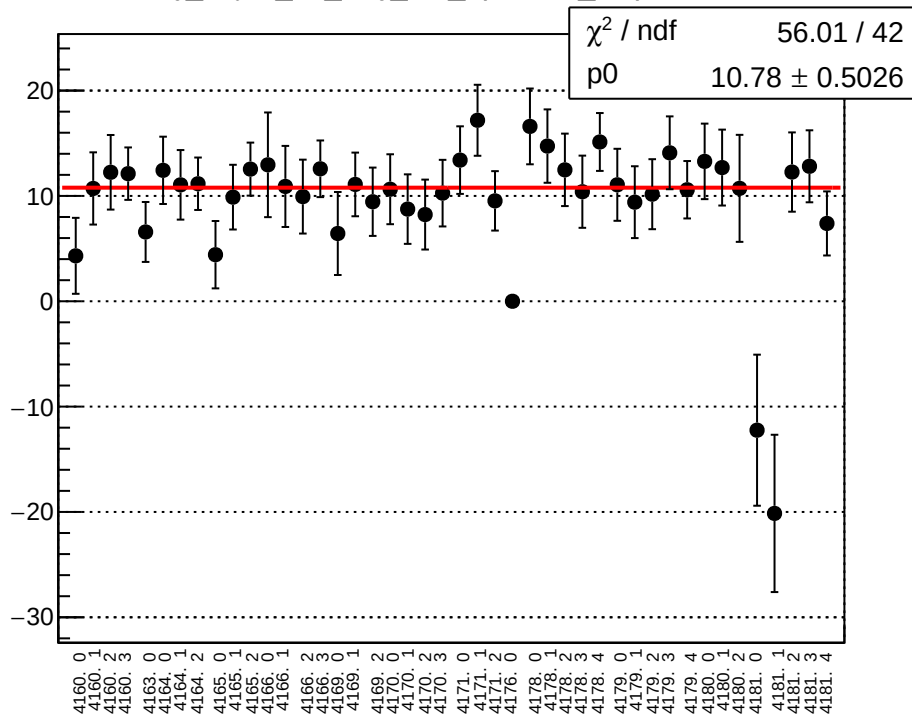




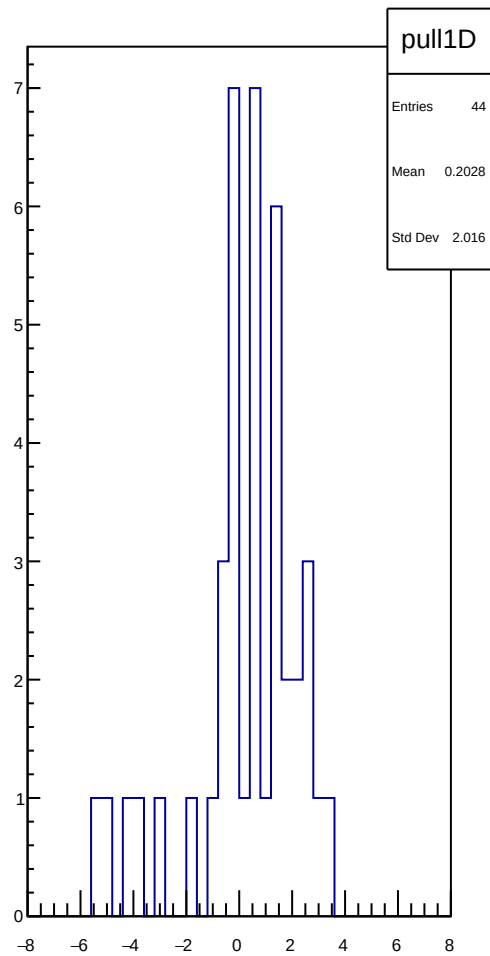
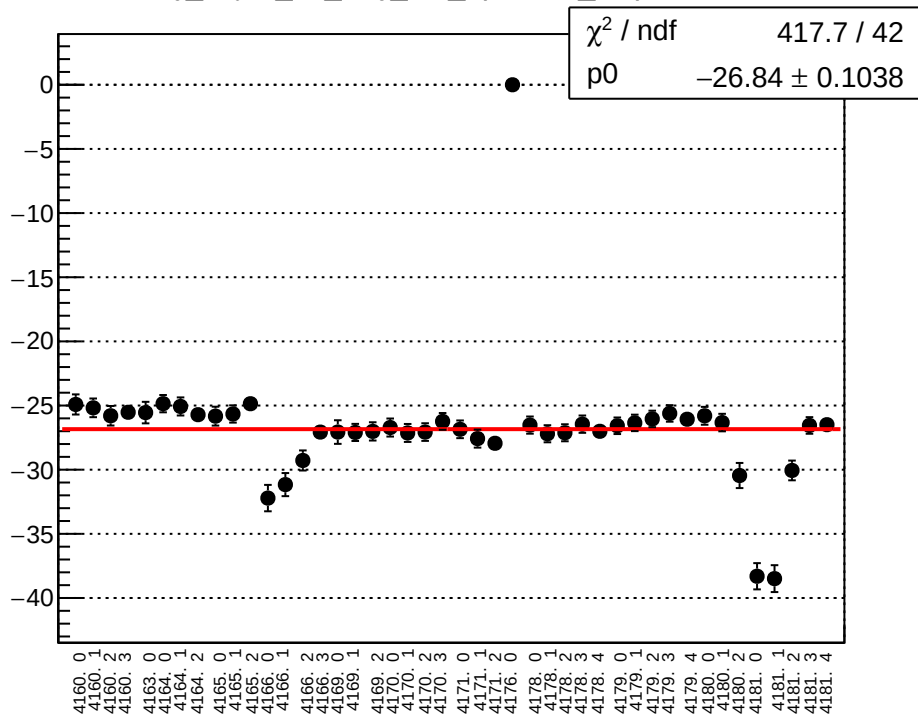
reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs run



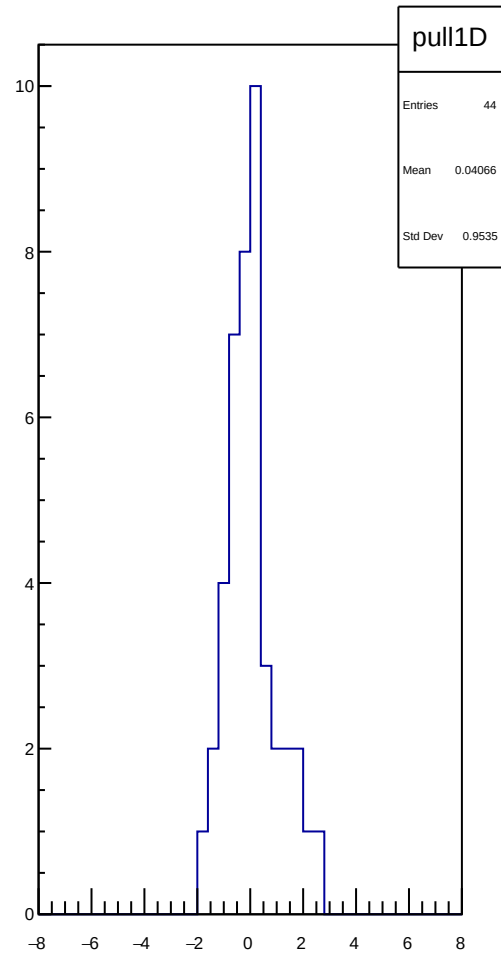
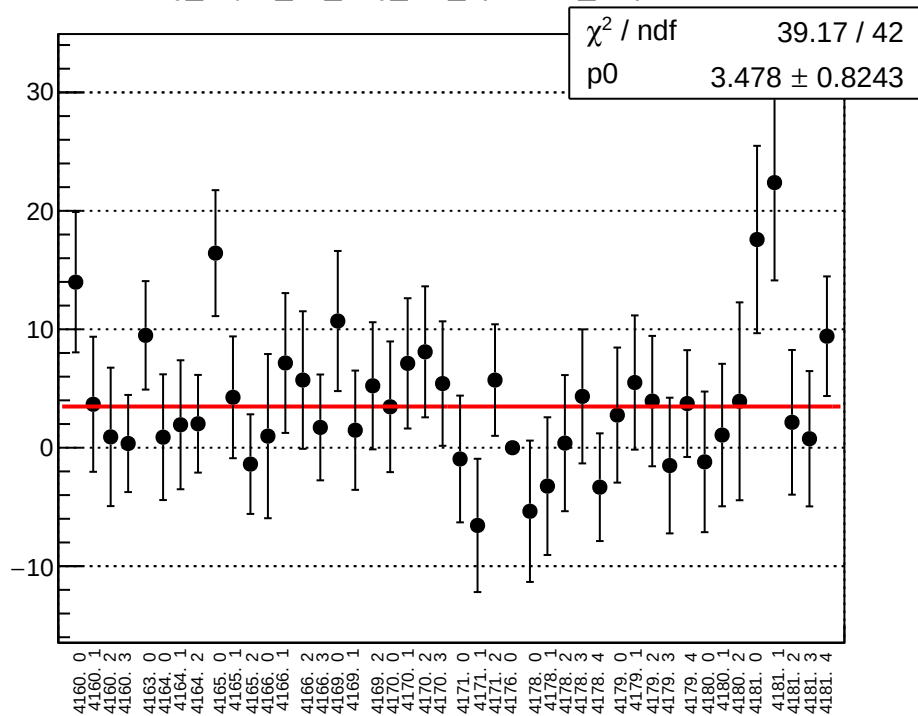
reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs run



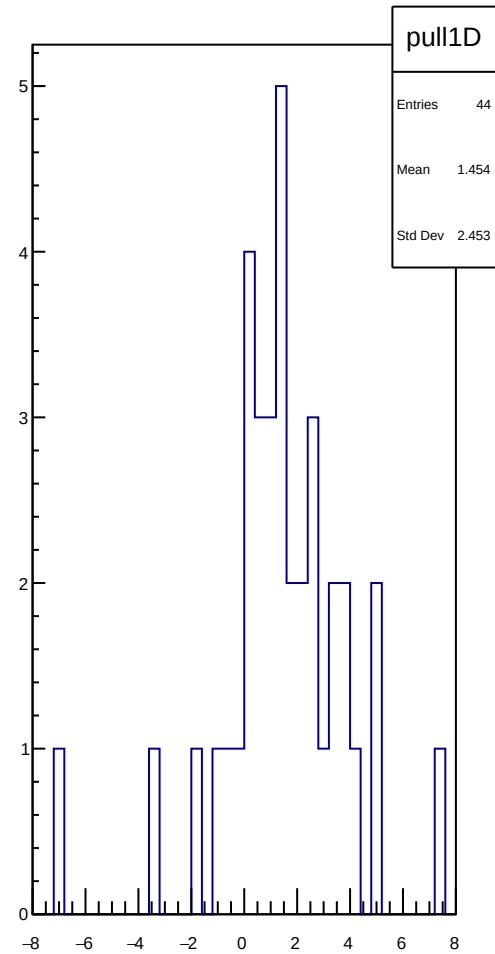
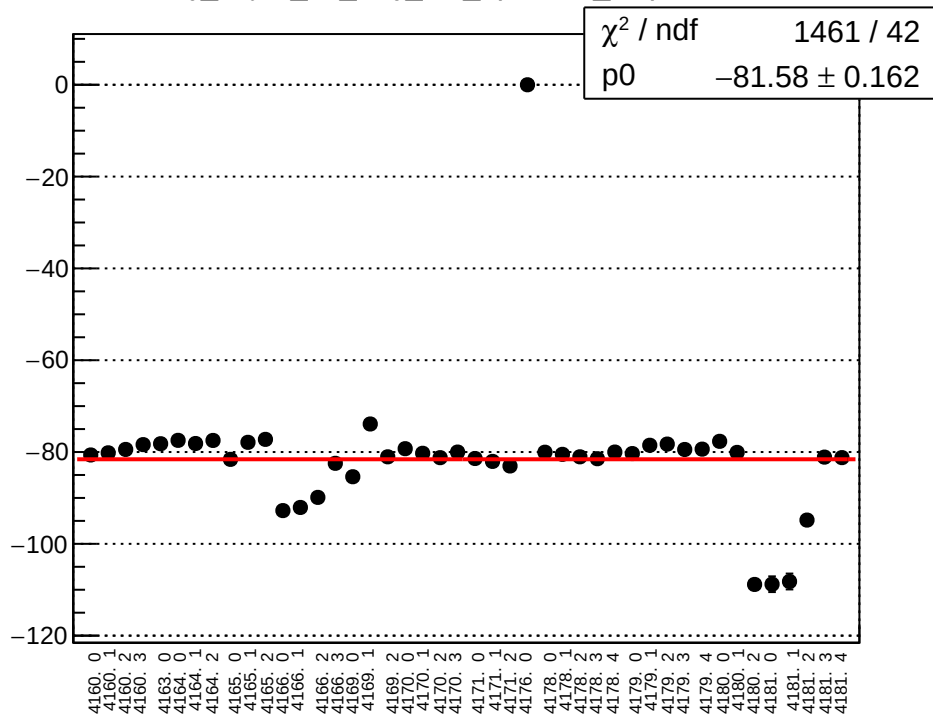
reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs run



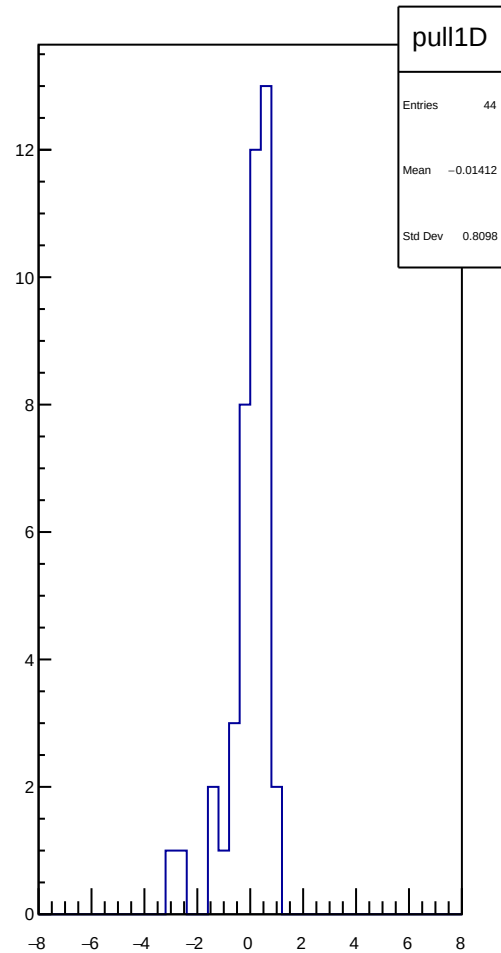
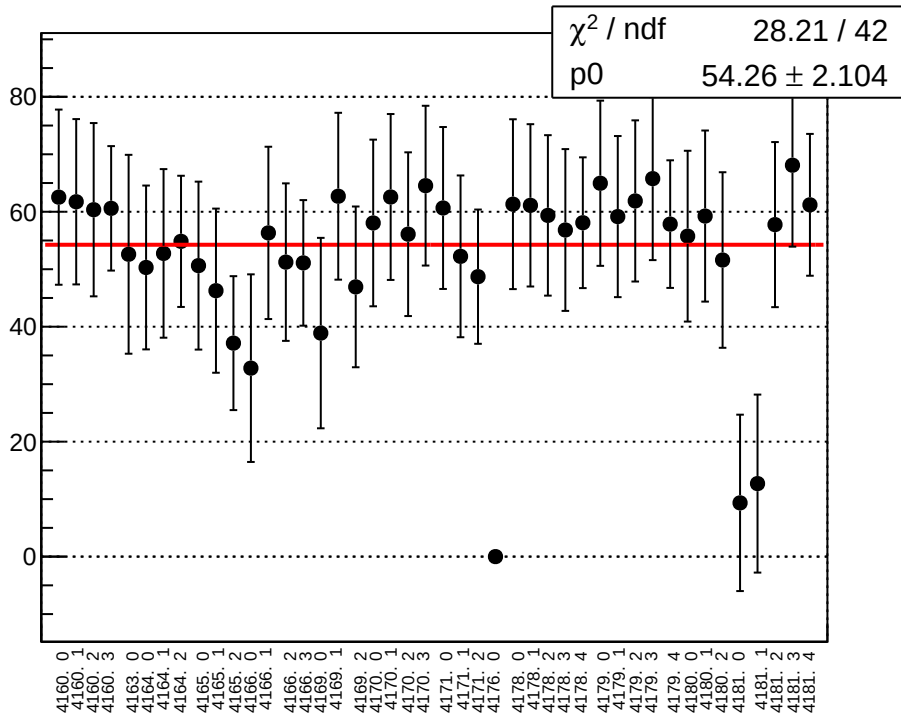
reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs run



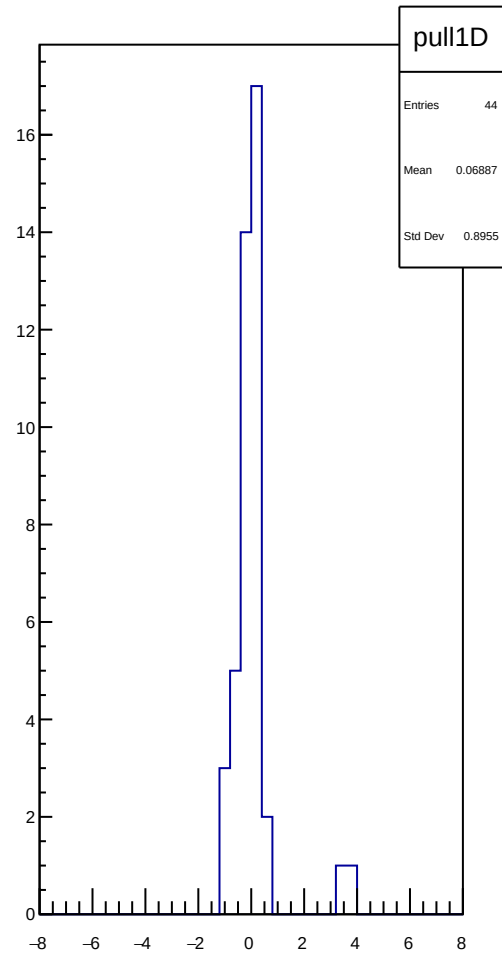
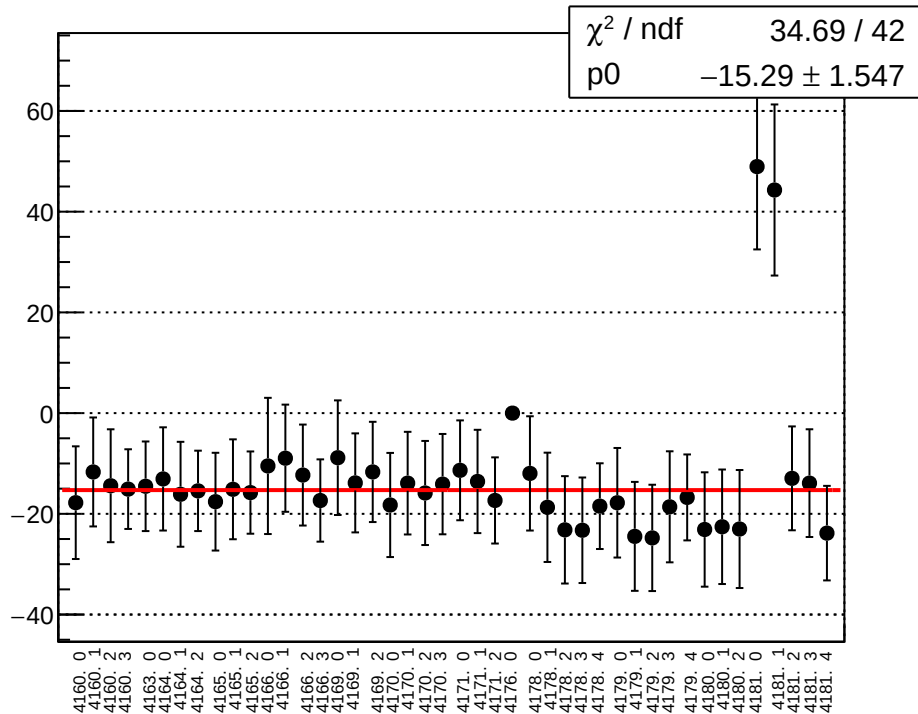
reg\_asym\_atl\_avg\_diff\_bpm11X\_slope vs run



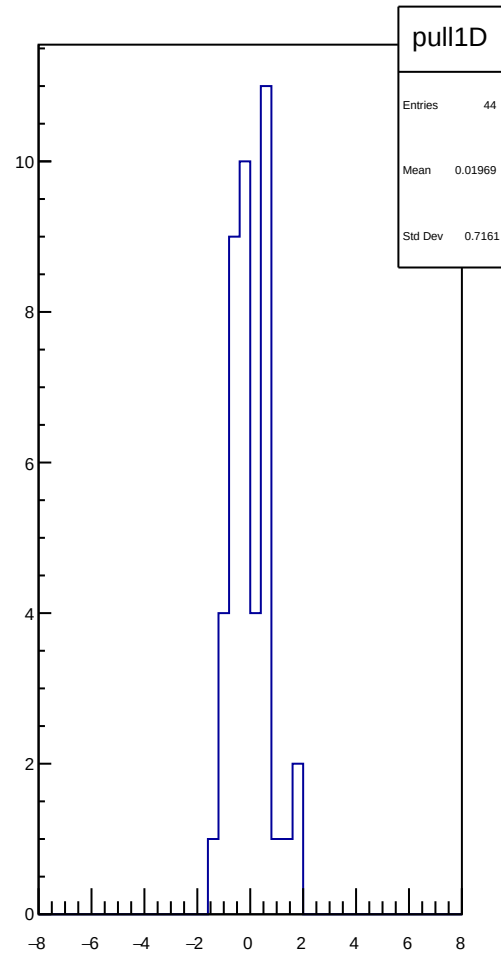
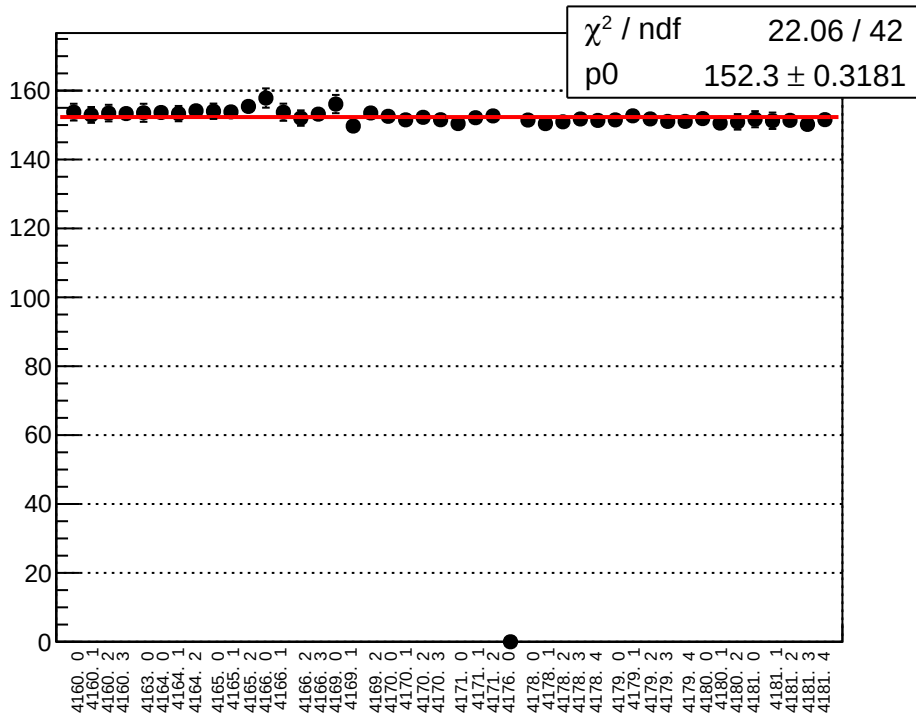
reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs run



reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs run

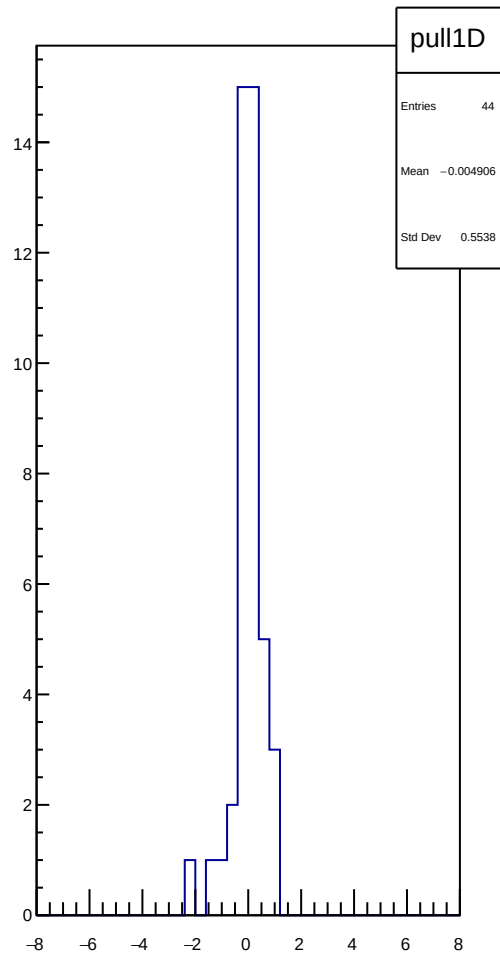
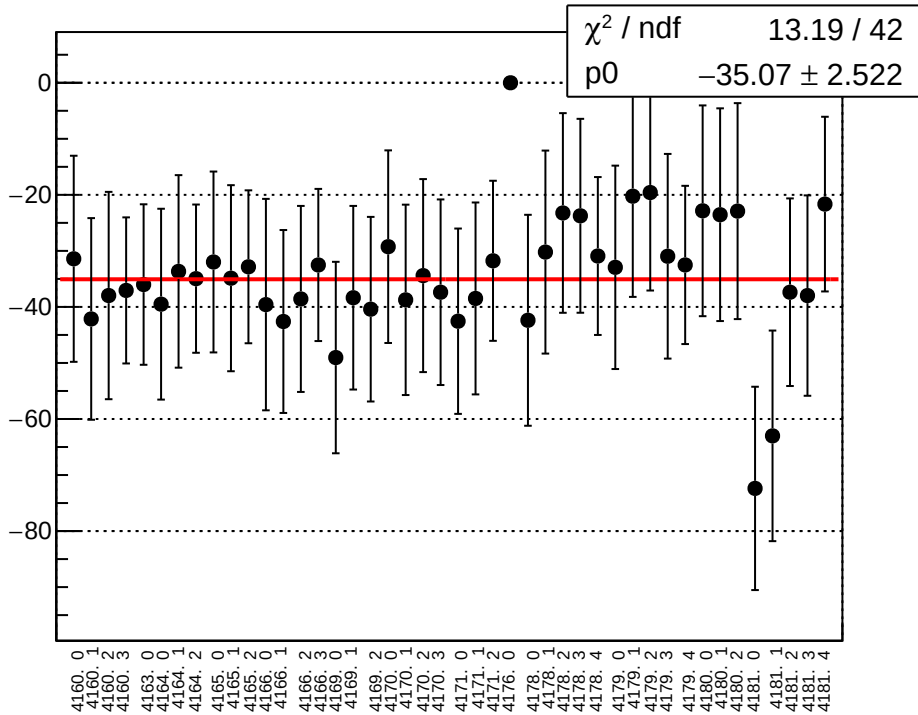


reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs run

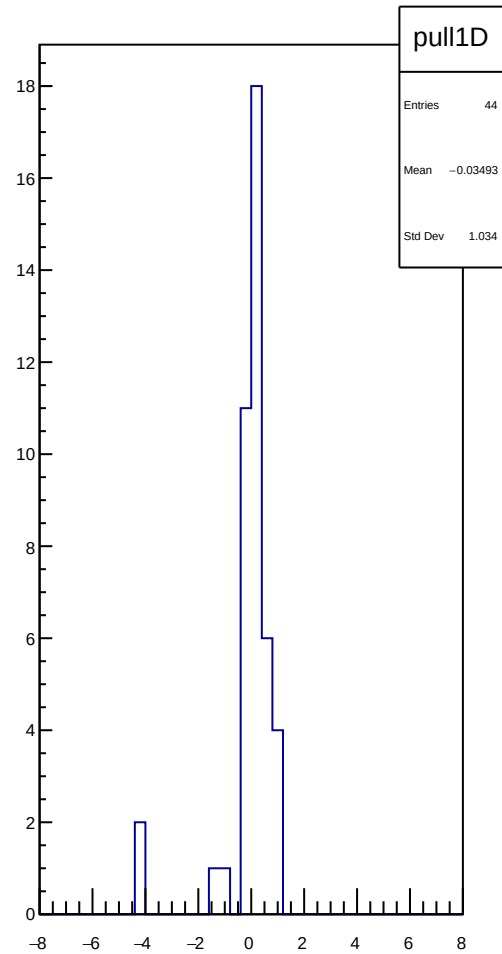
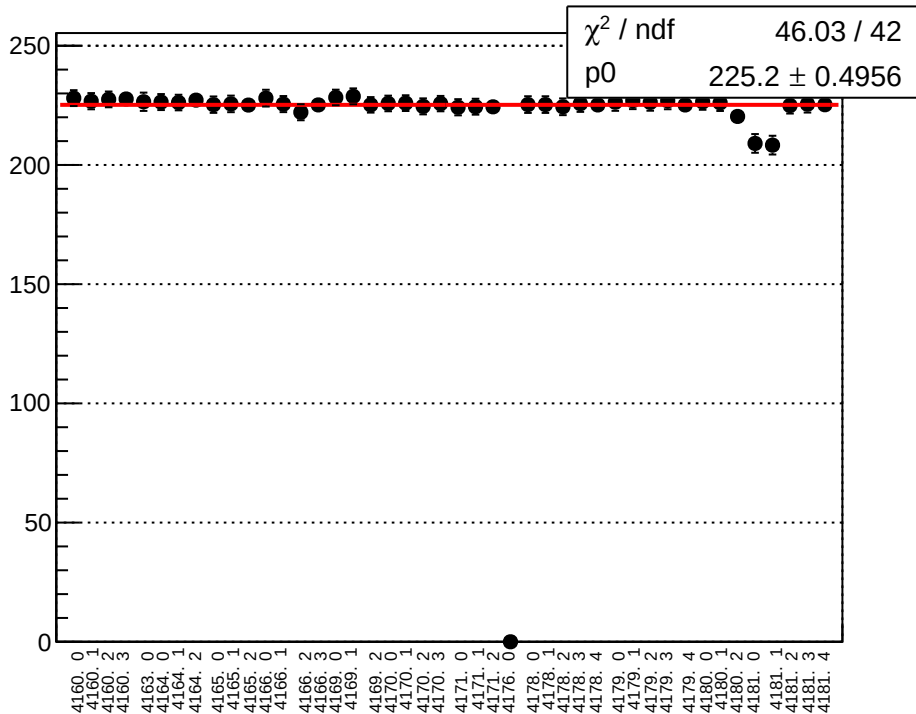




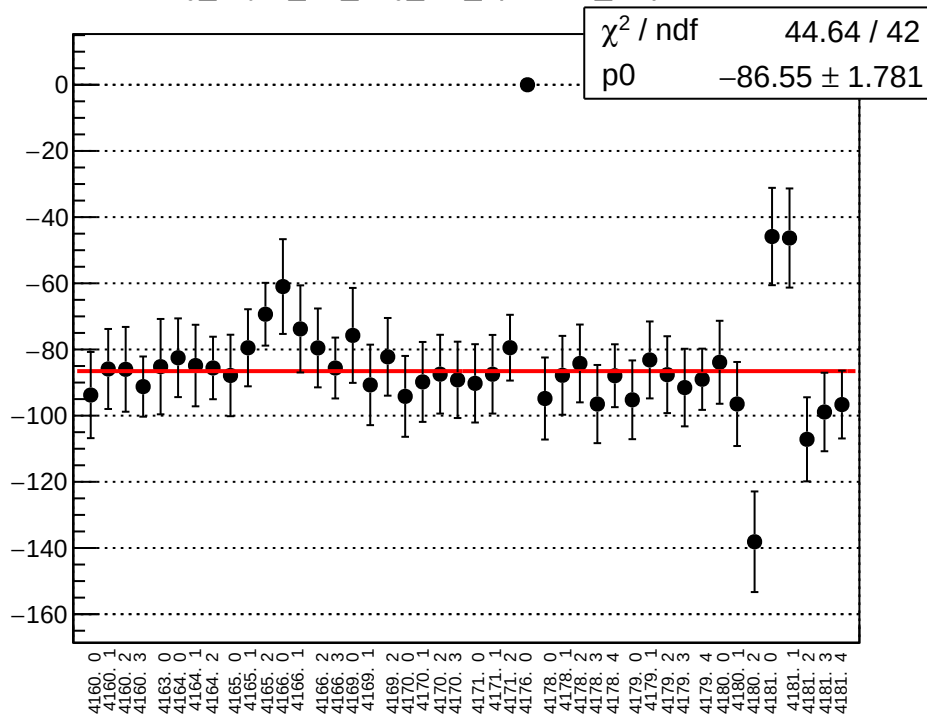
reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs run



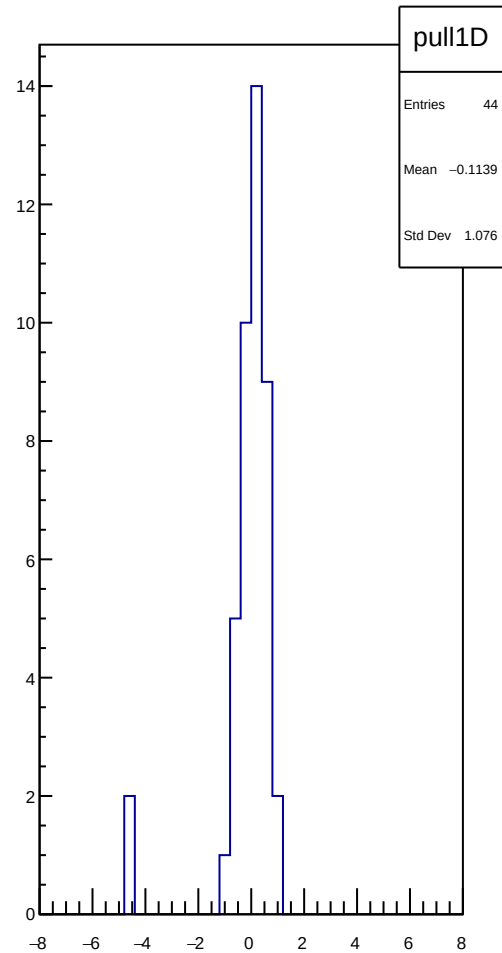
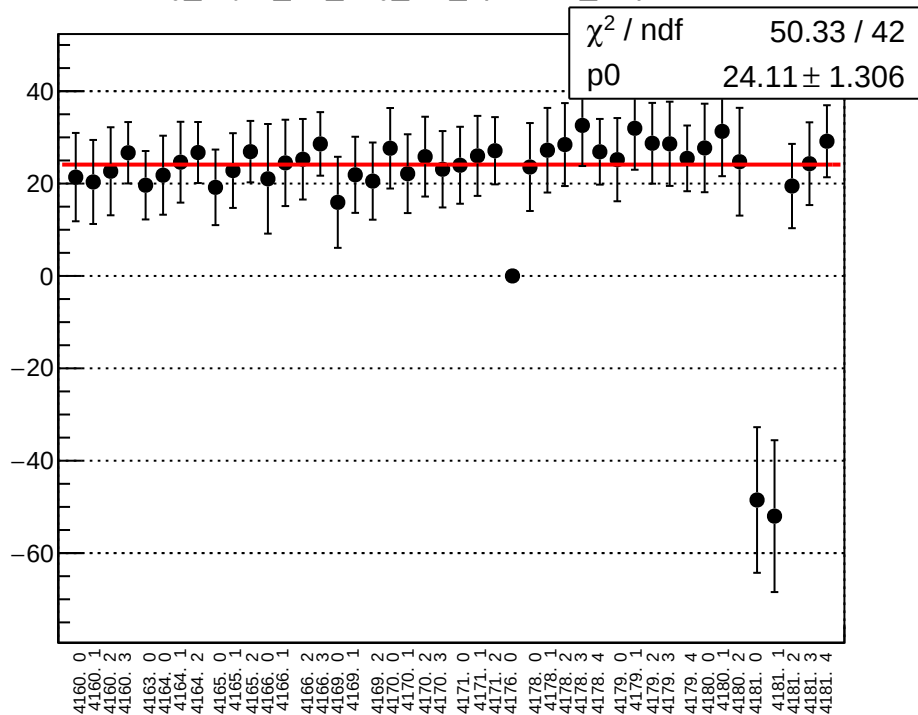
reg\_asym\_atl\_dd\_diff\_bpm11X\_slope vs run



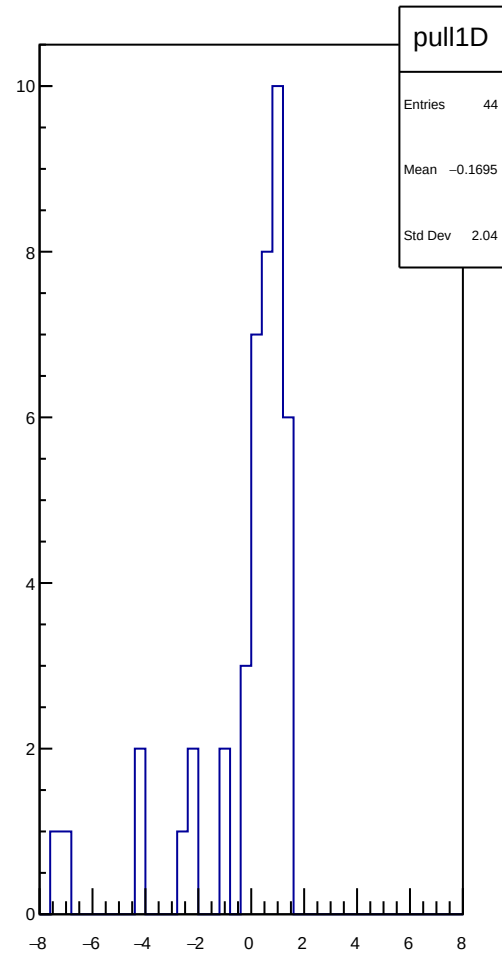
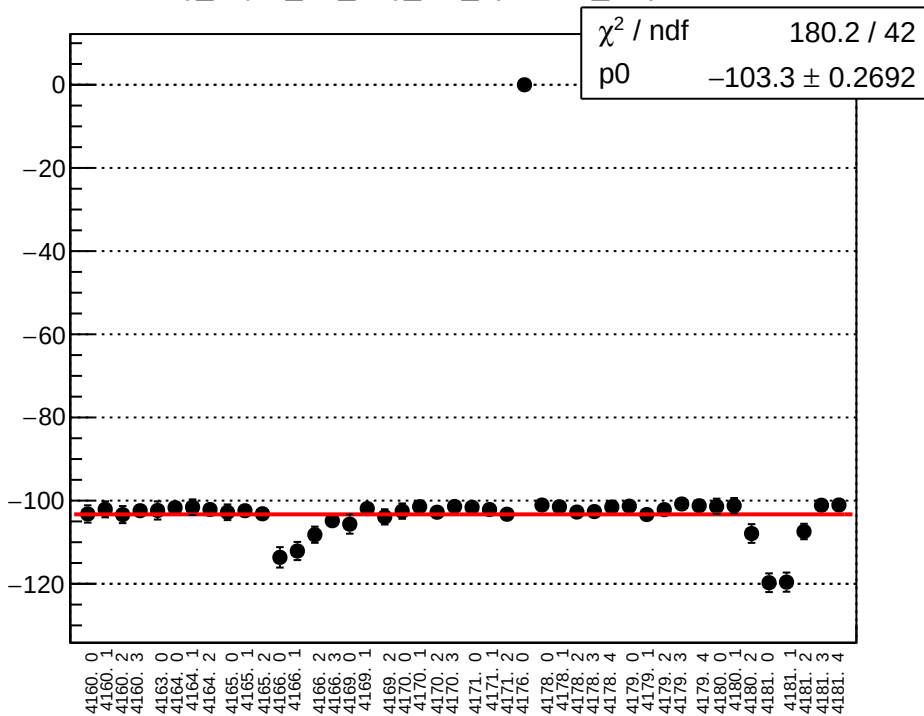
reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs run



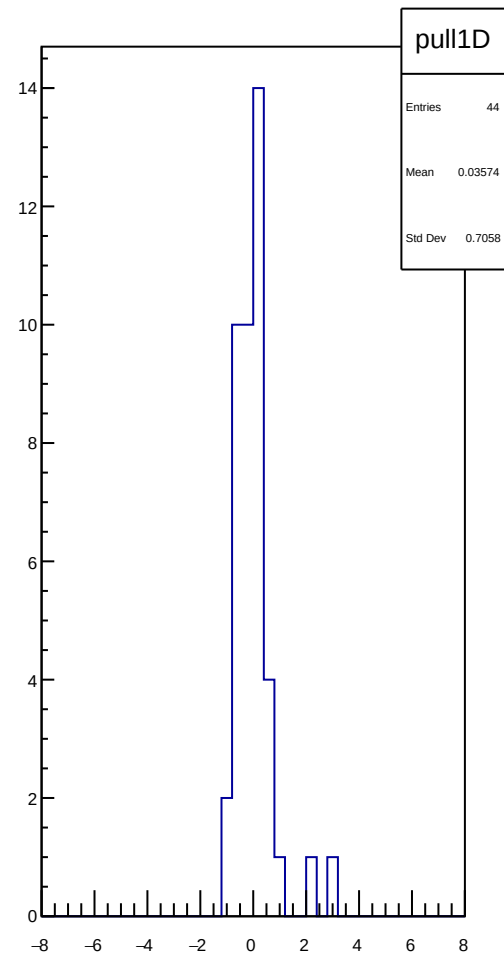
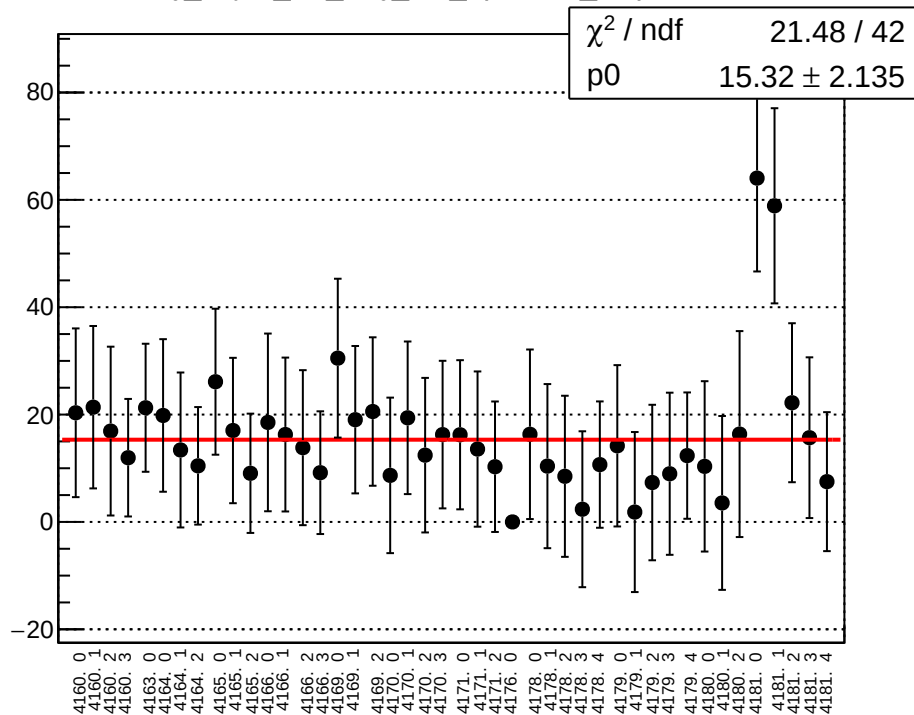
reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs run



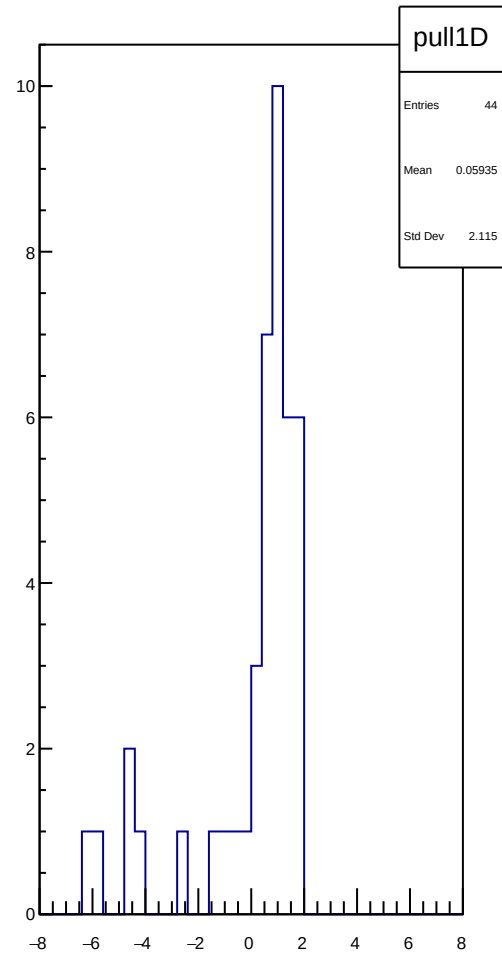
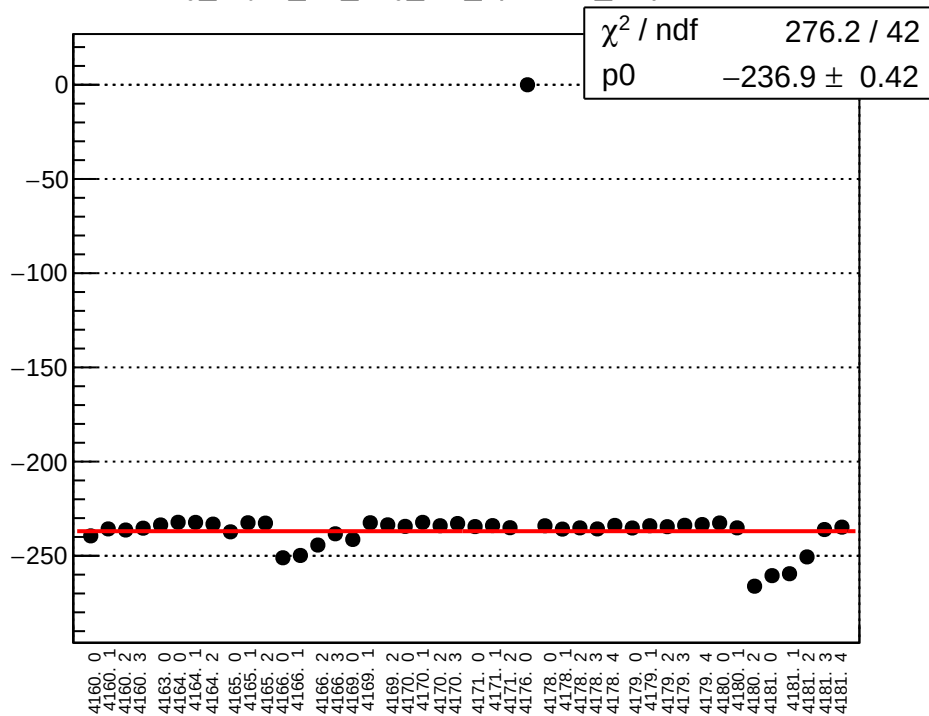
reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs run



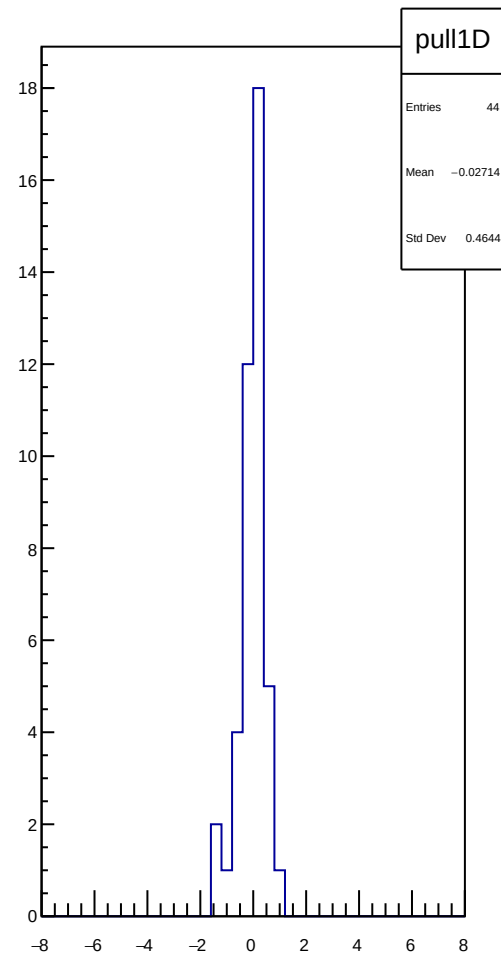
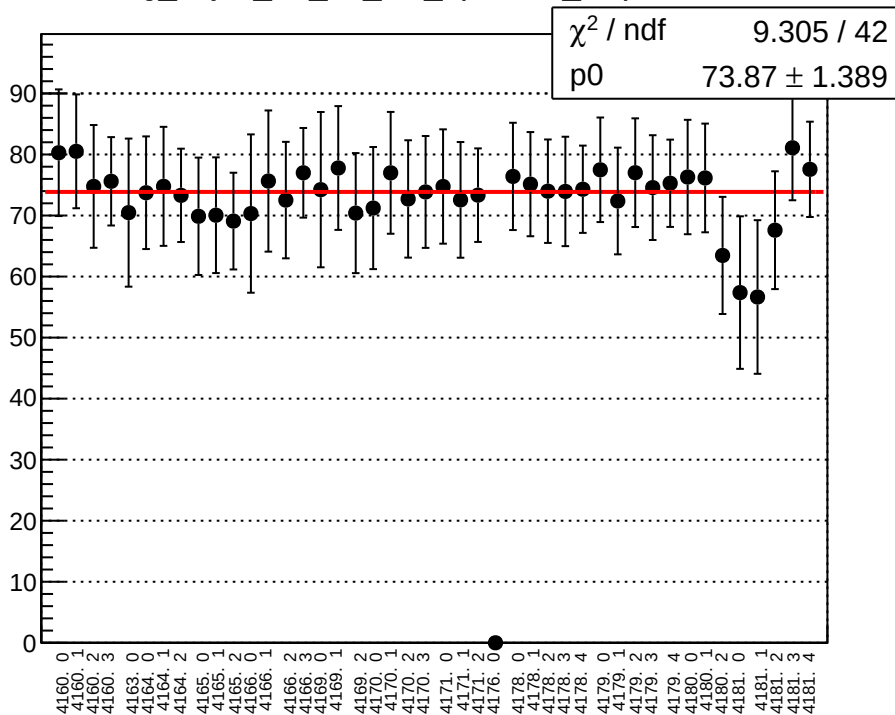
reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs run



reg\_asym\_atr\_avg\_diff\_bpm11X\_slope vs run

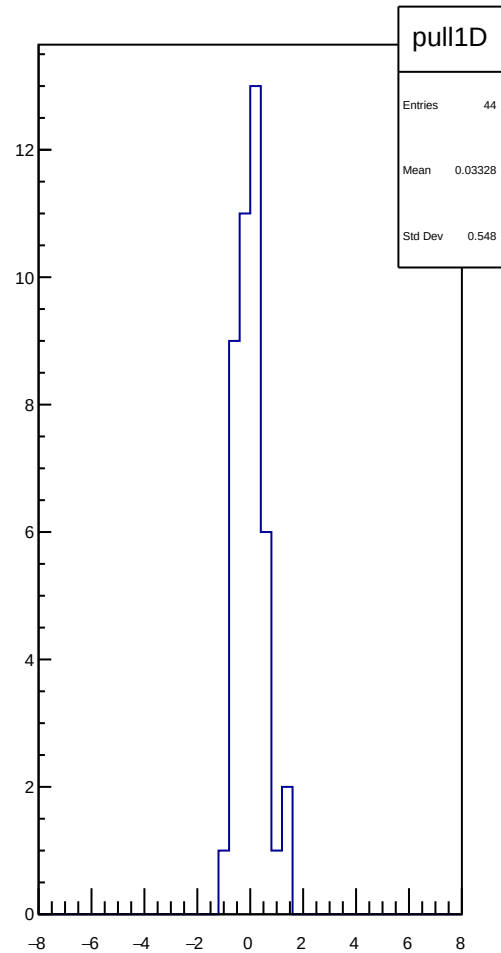
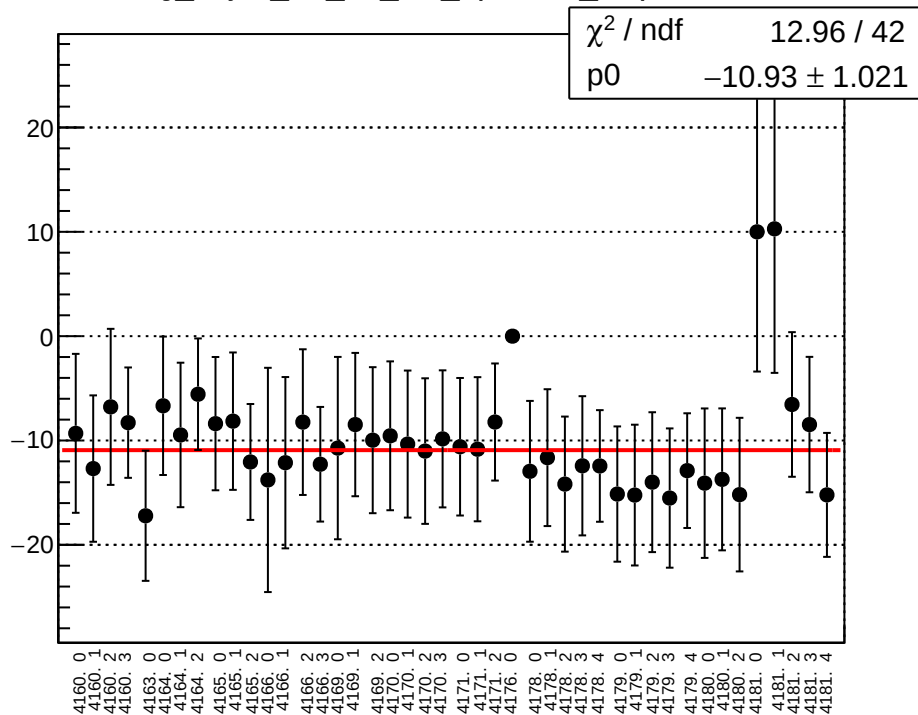


reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs run

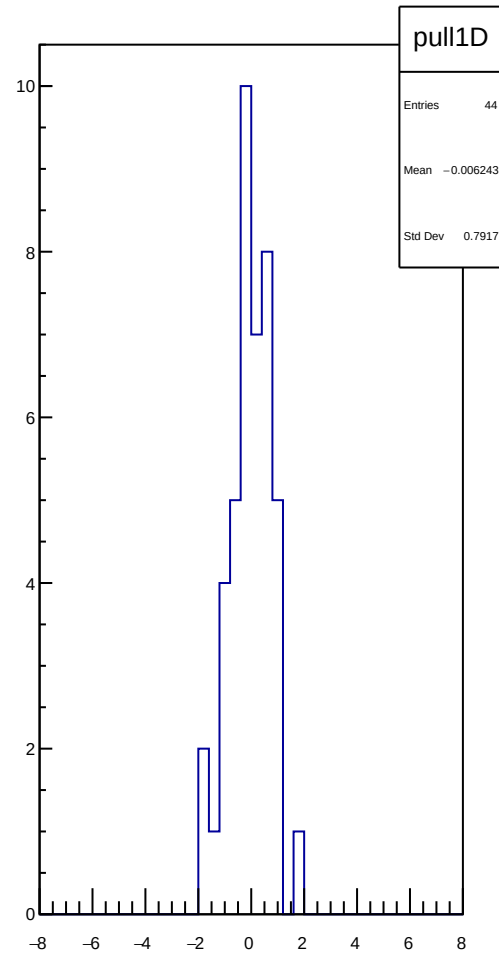
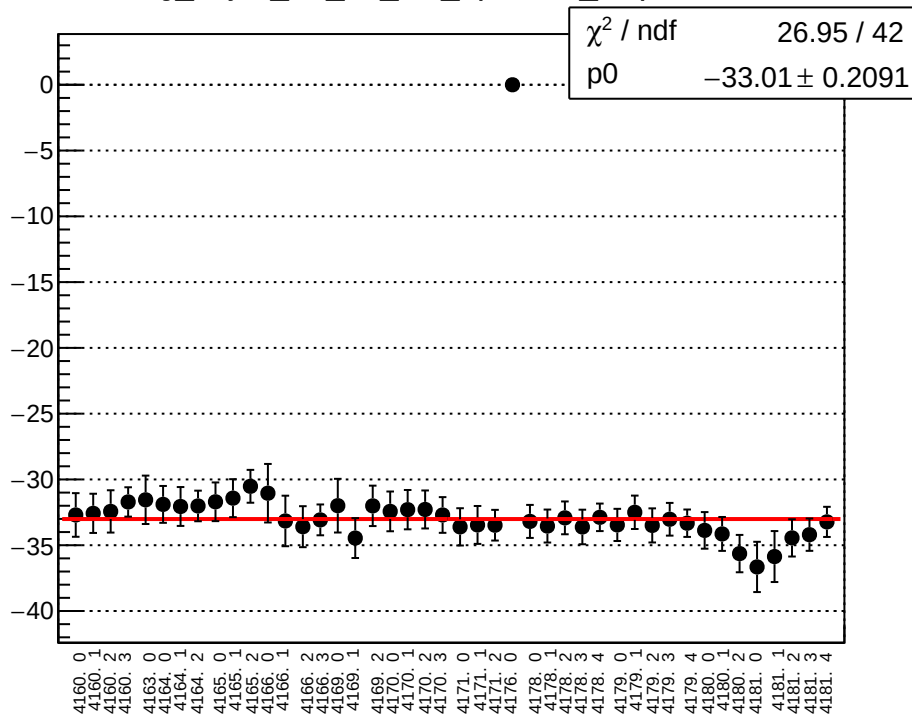




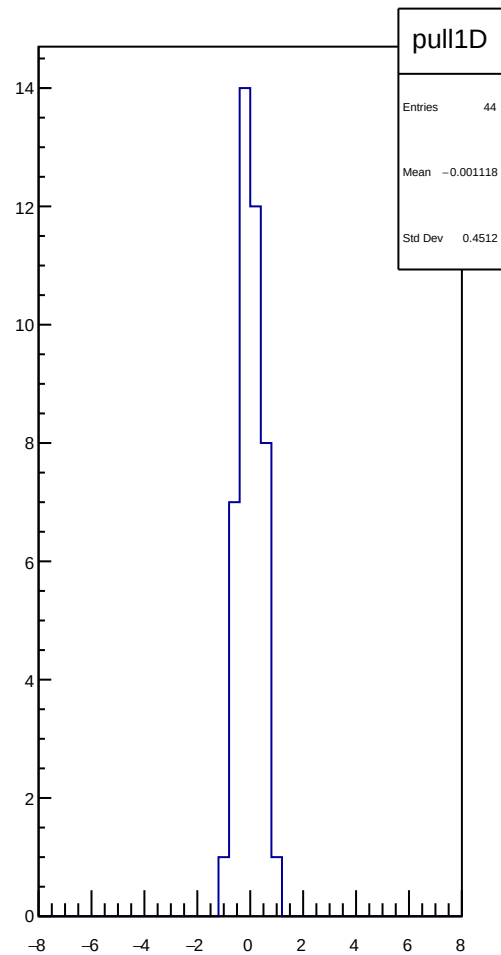
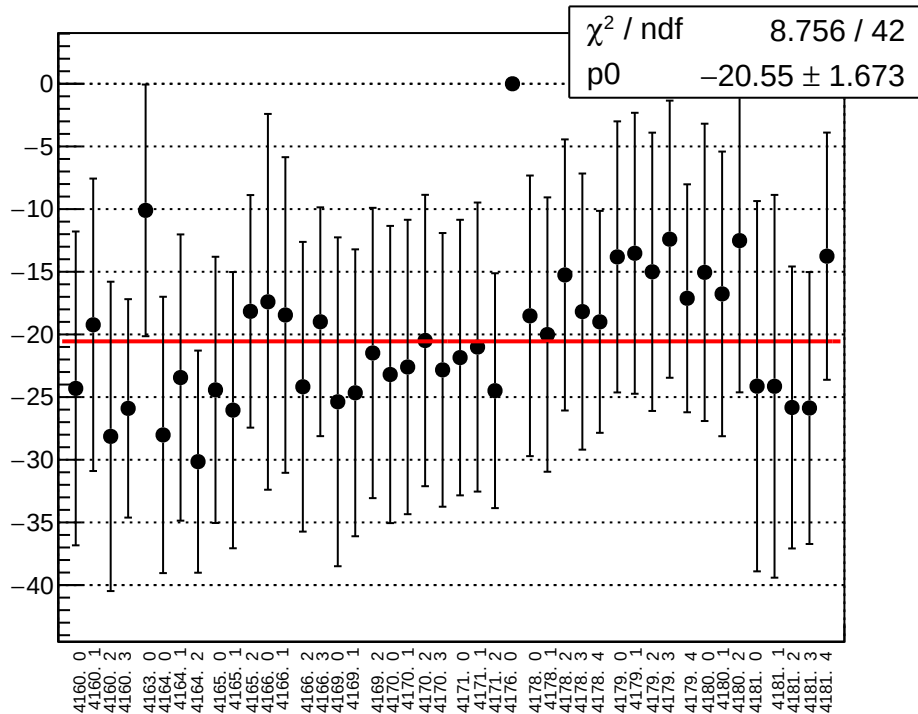
reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs run



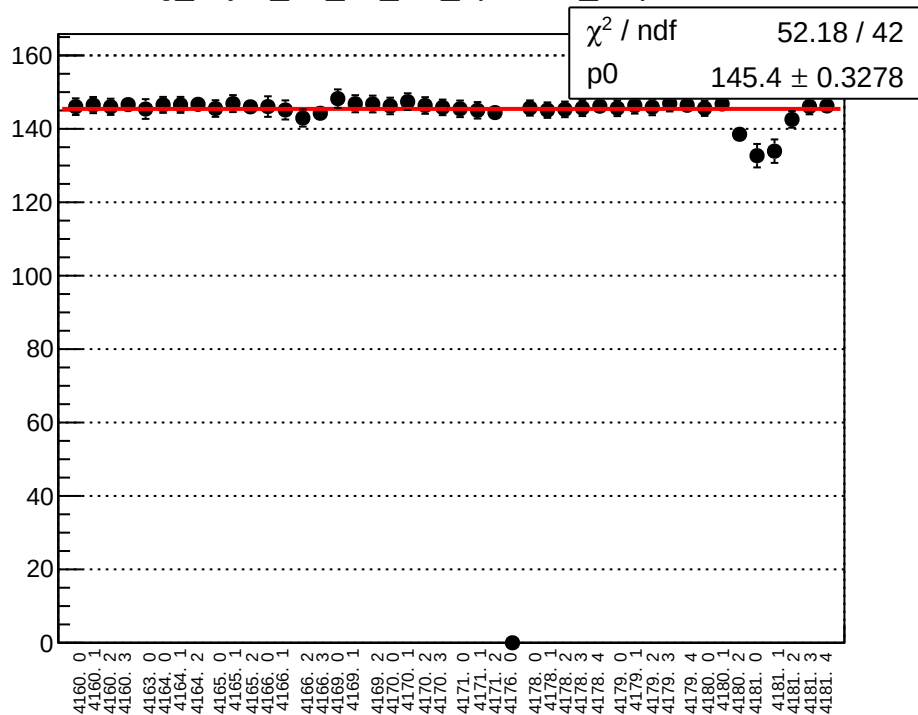
reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs run



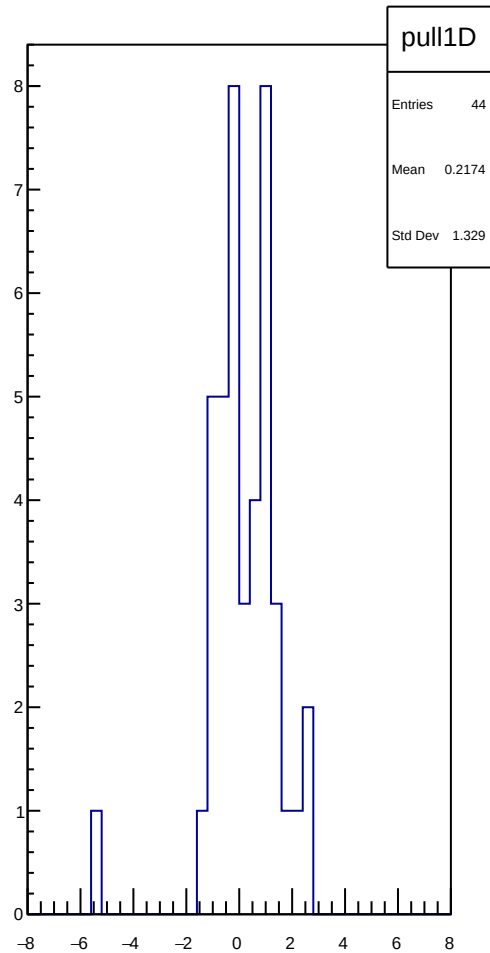
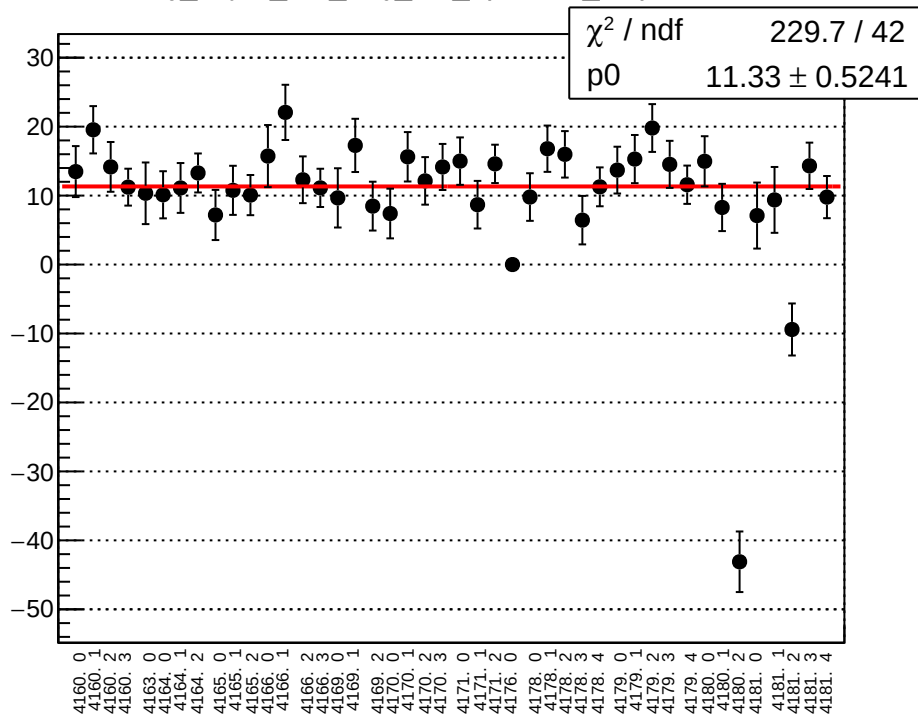
reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs run



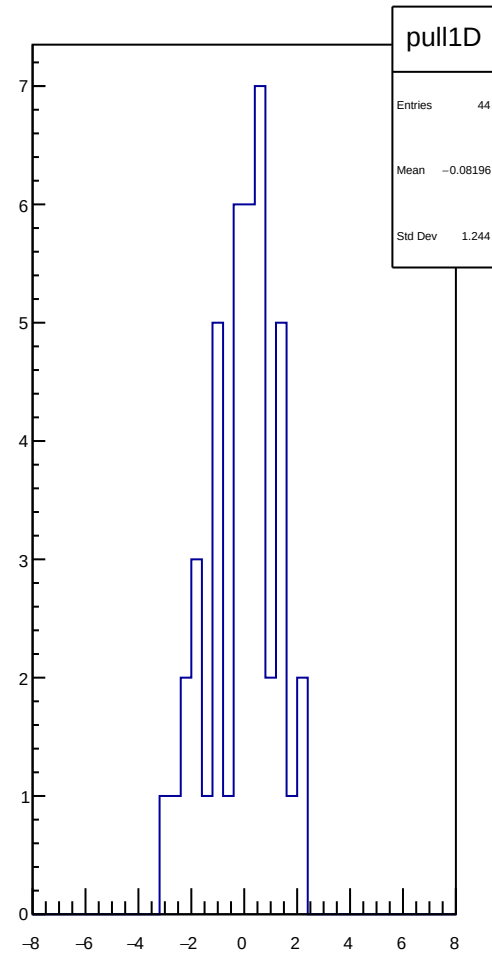
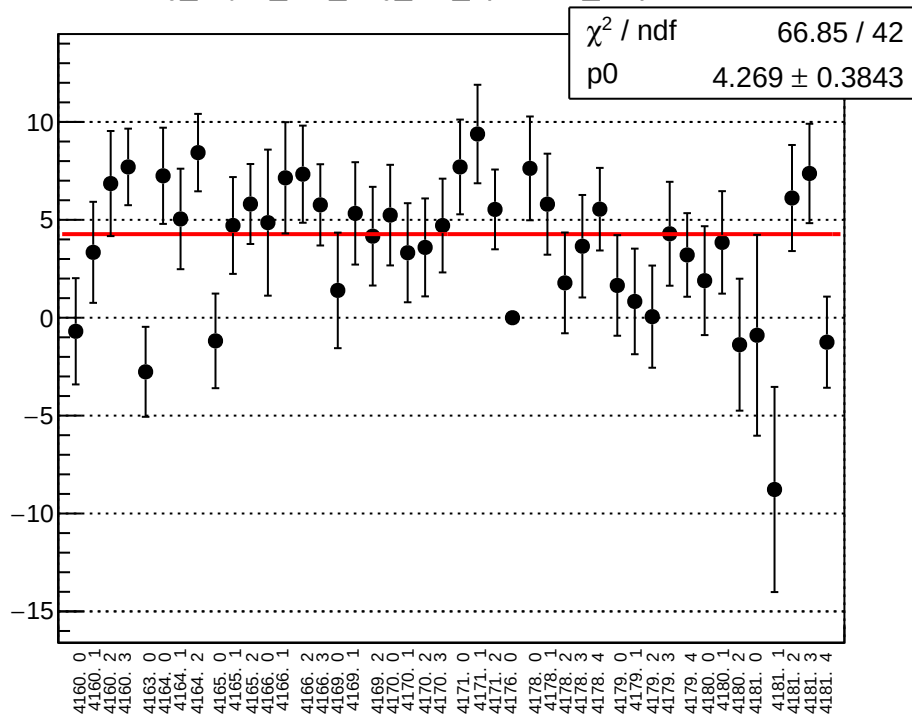
reg\_asym\_atr\_dd\_diff\_bpm11X\_slope vs run



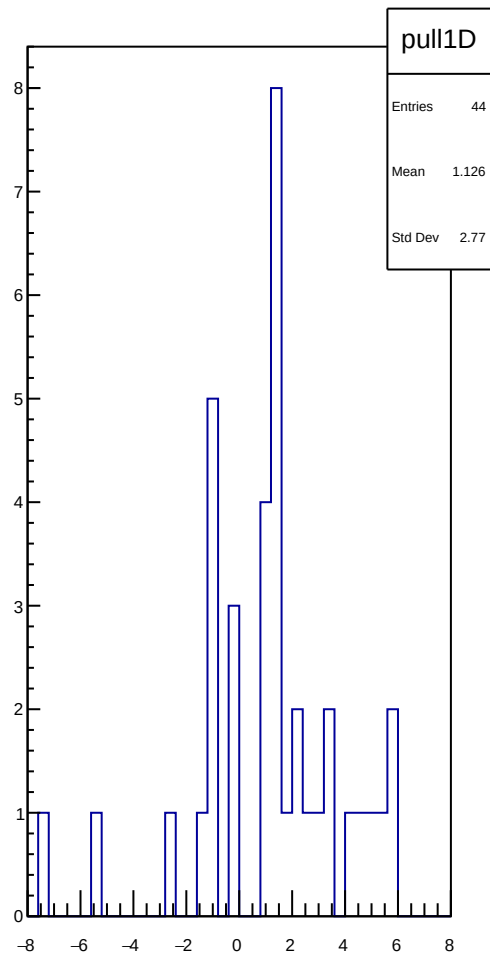
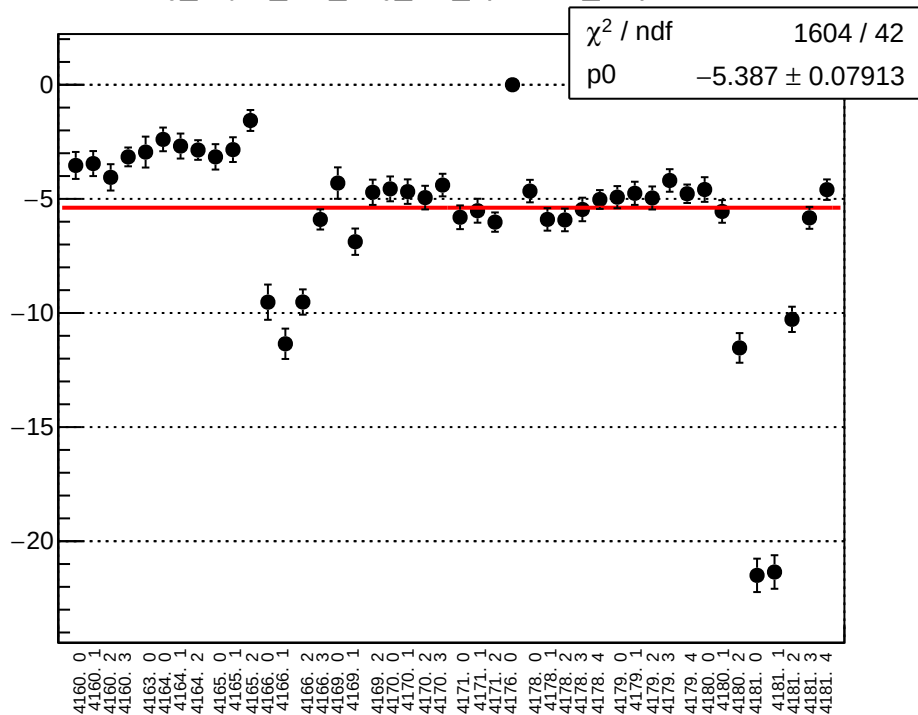
reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs run



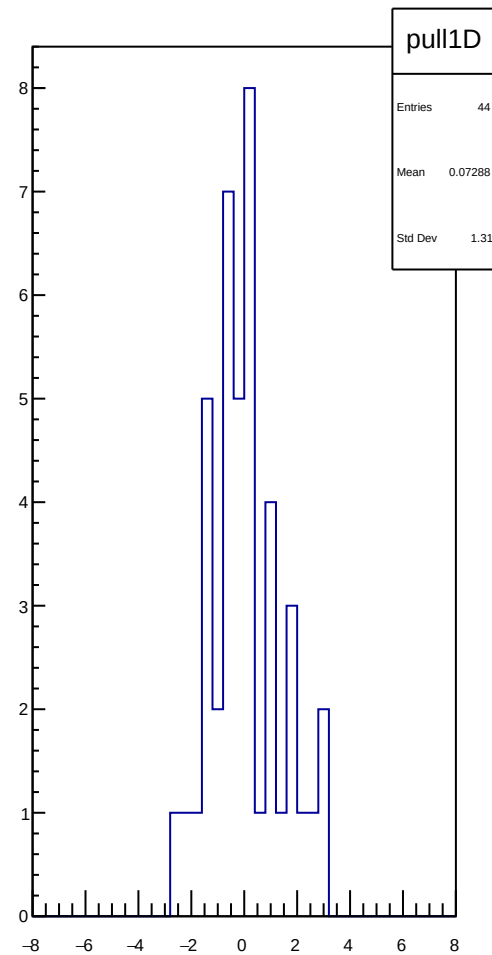
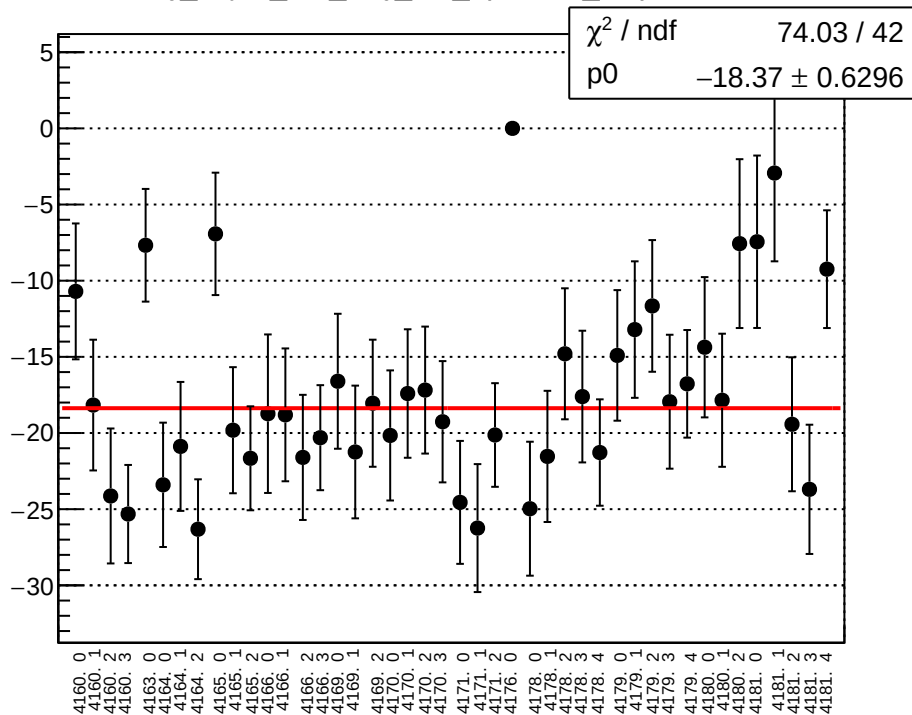
reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs run



reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs run

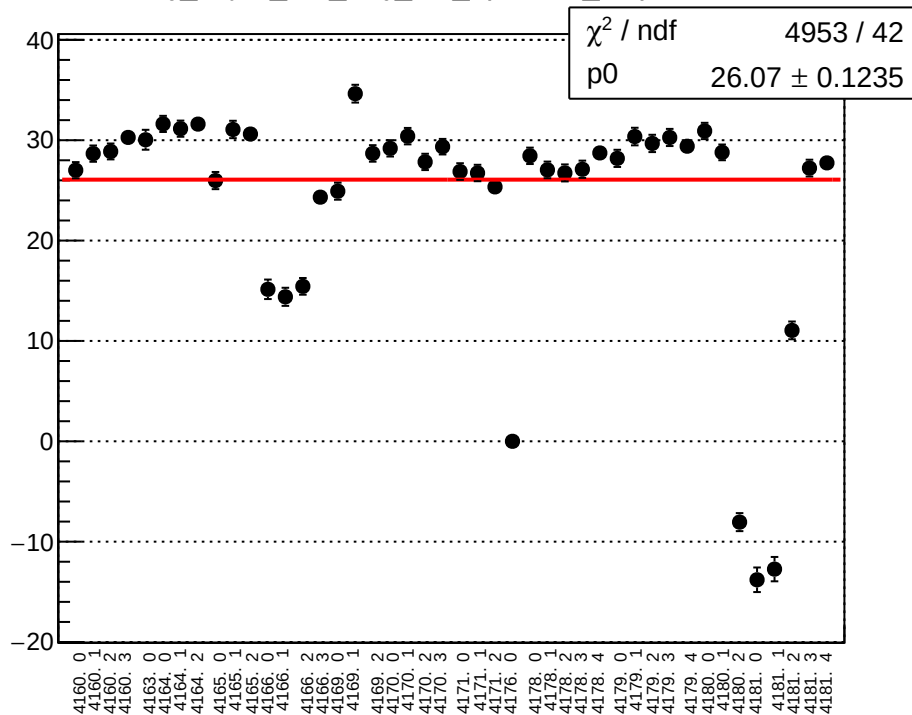


reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs run

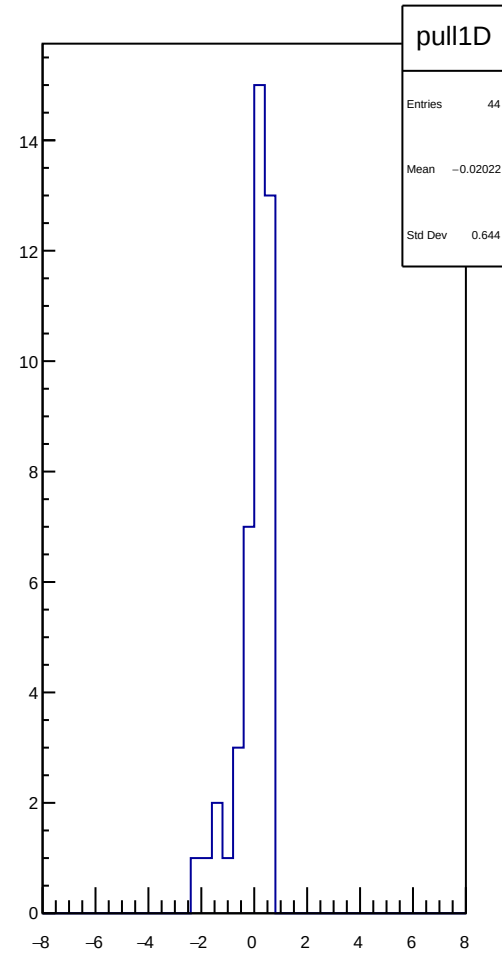
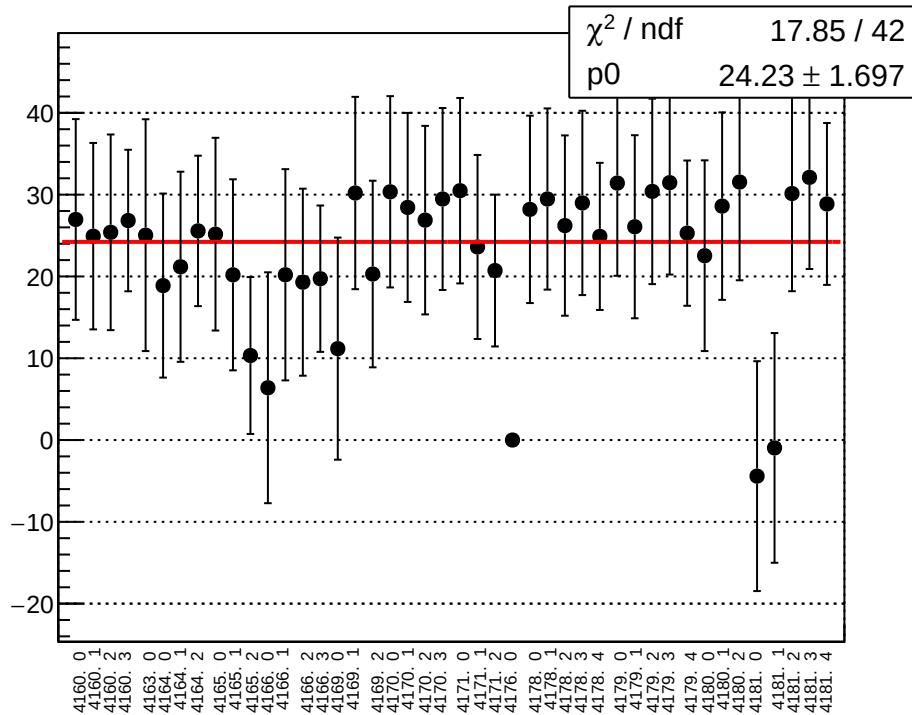




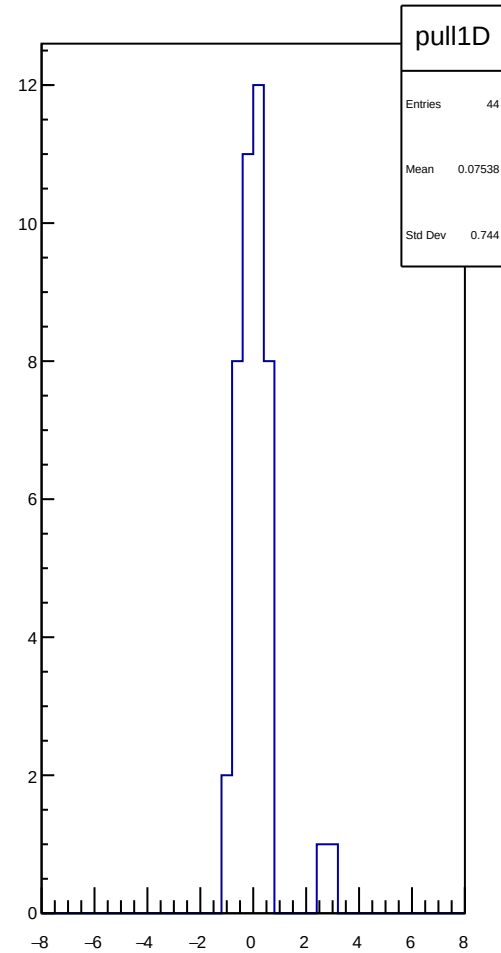
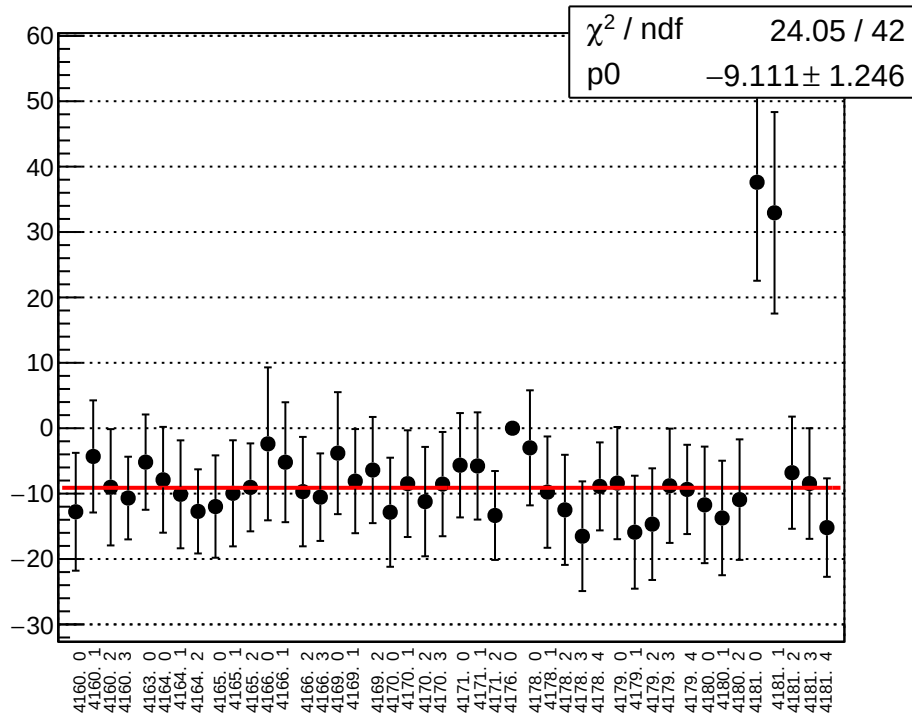
reg\_asym\_at1\_avg\_diff\_bpm11X\_slope vs run



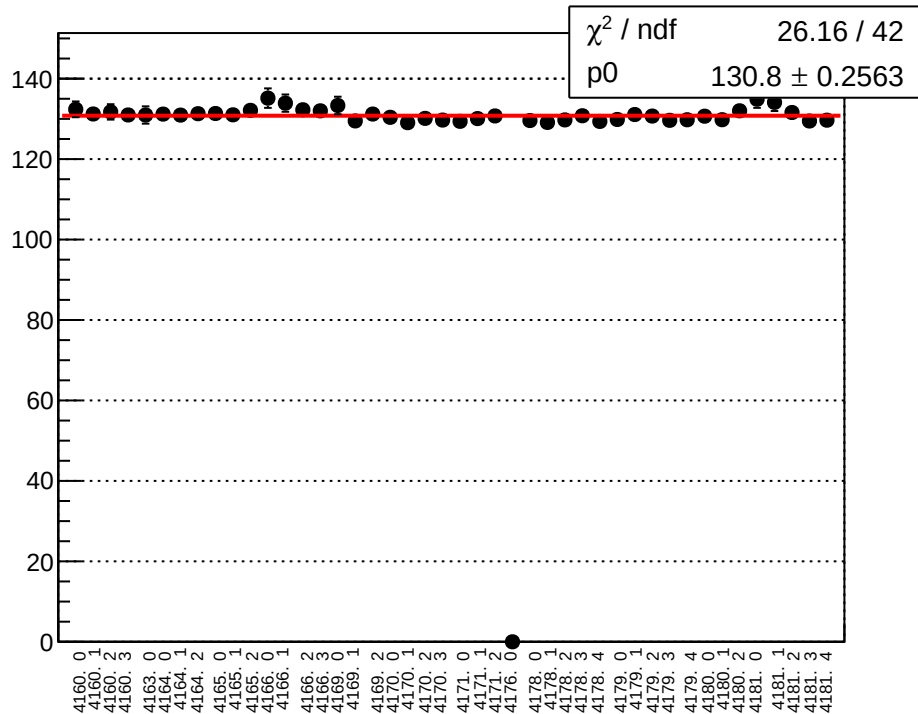
reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs run



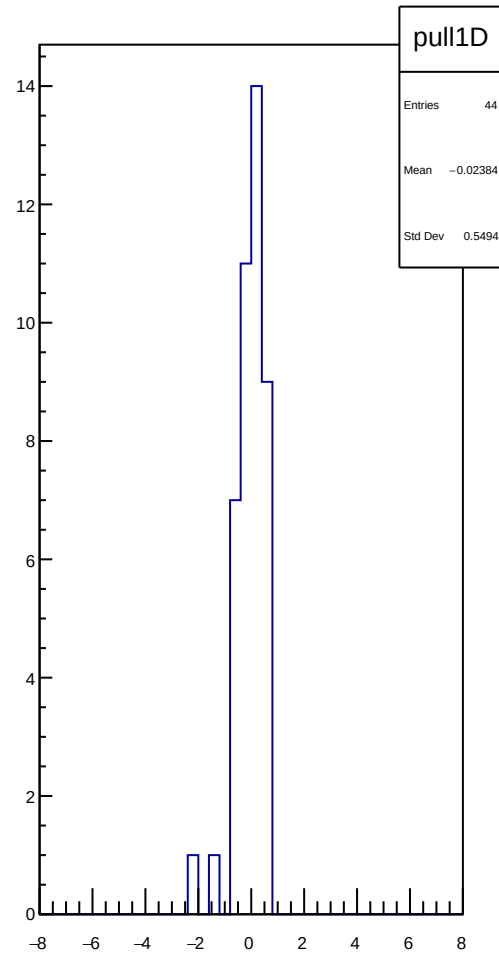
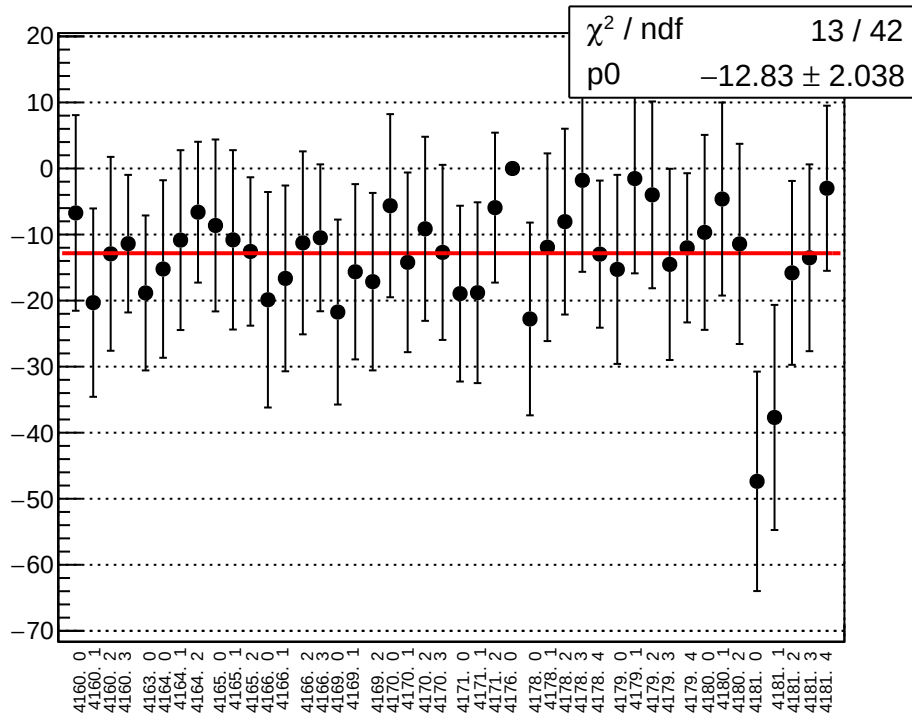
reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs run



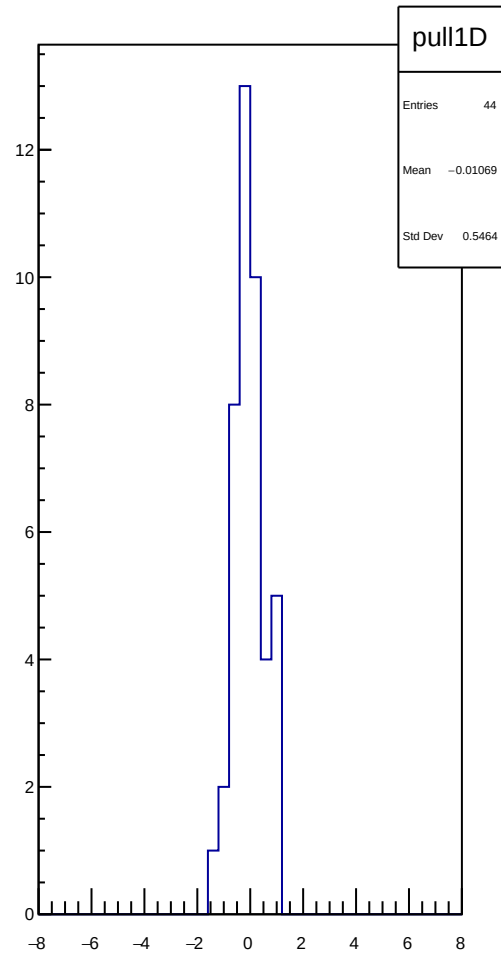
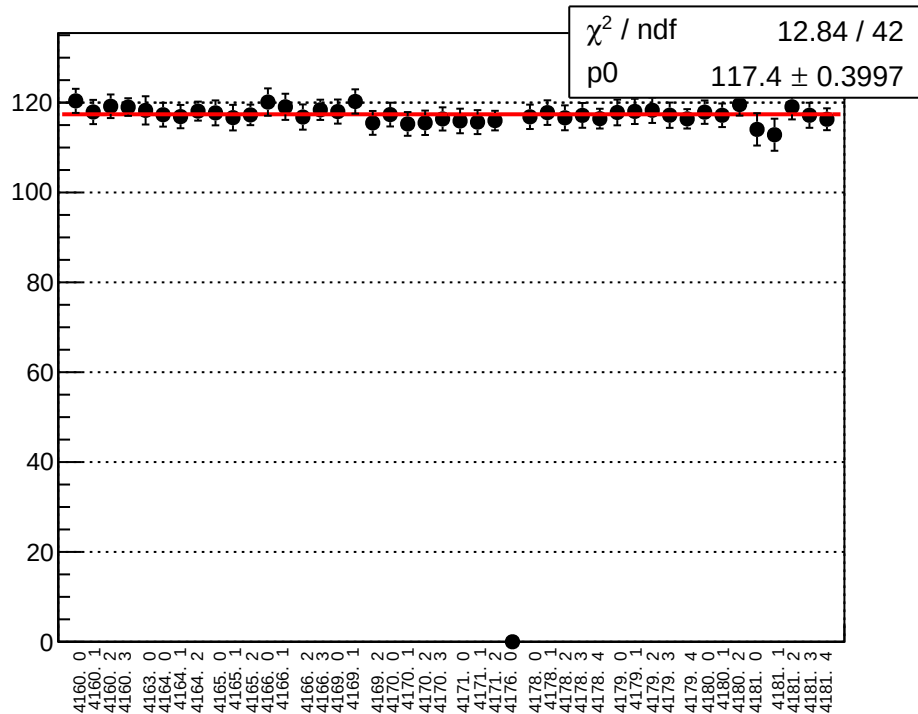
reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs run



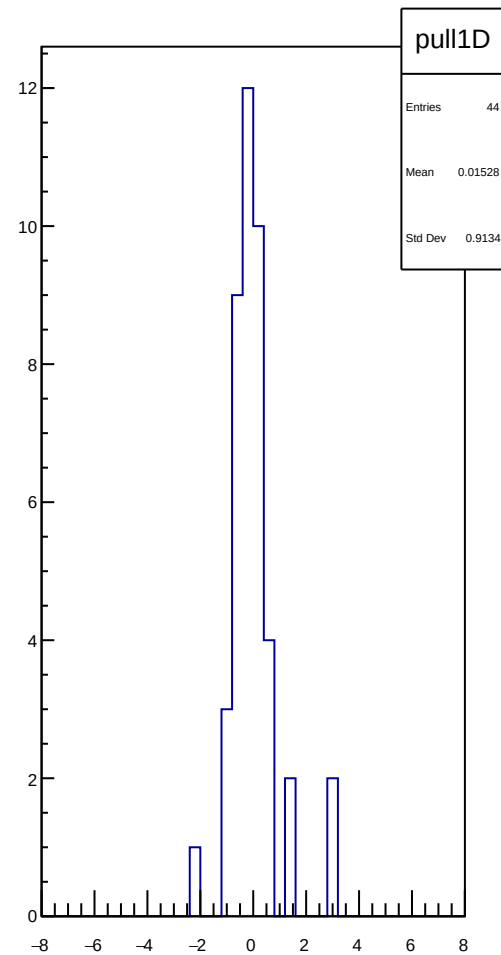
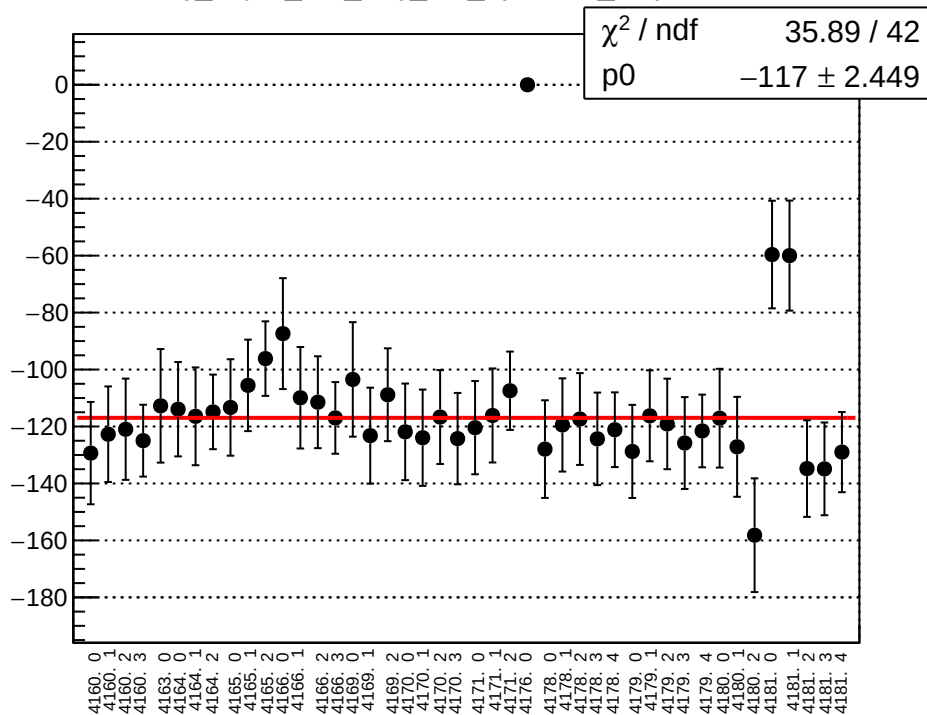
reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs run



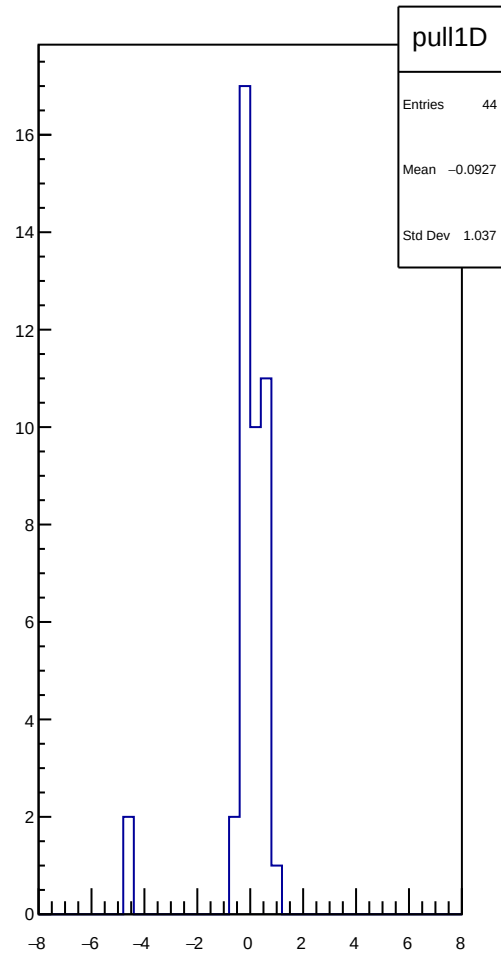
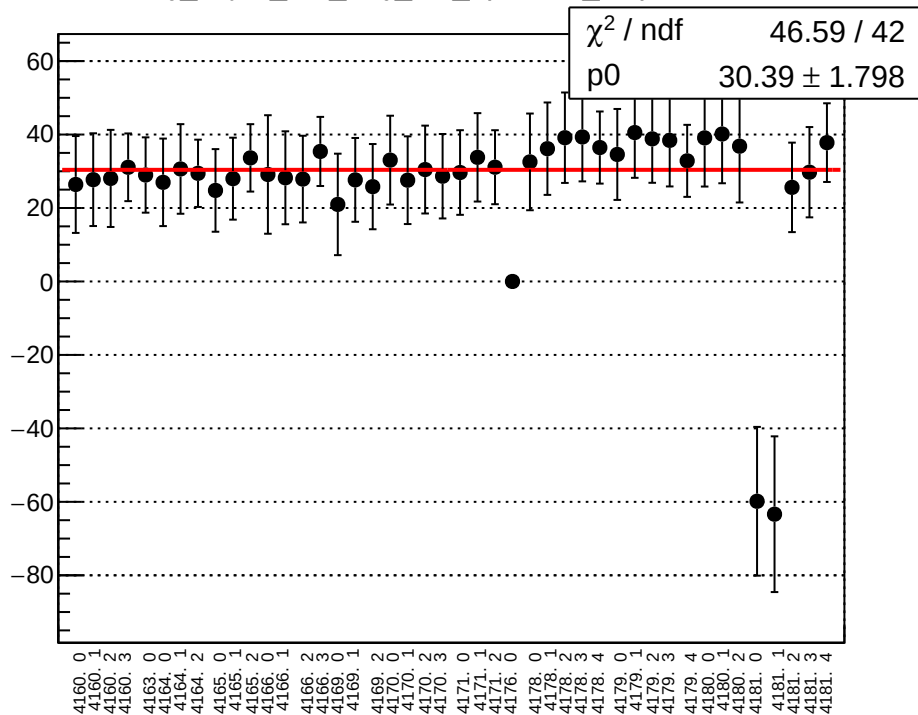
reg\_asym\_at1\_dd\_diff\_bpm11X\_slope vs run



reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs run

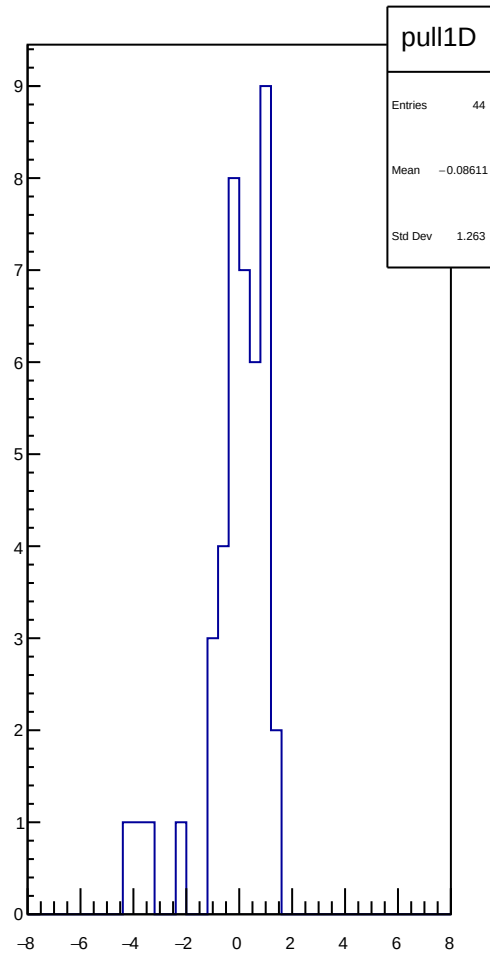
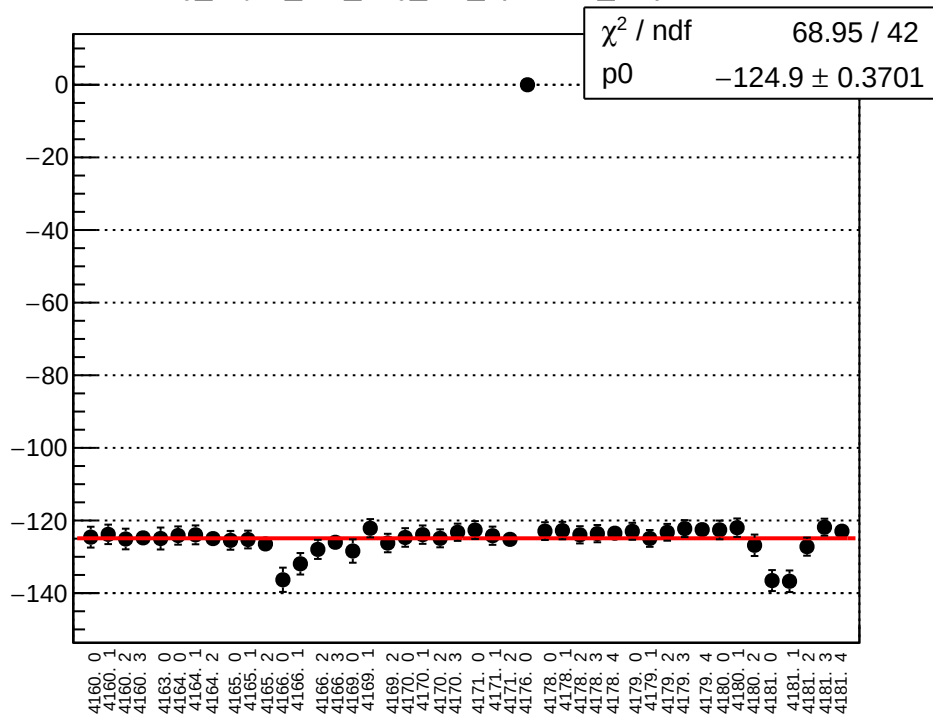


reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs run

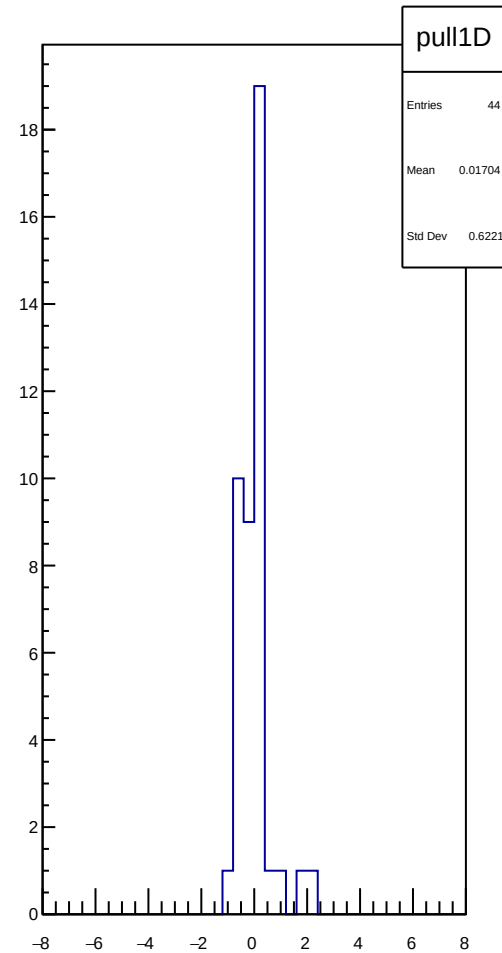
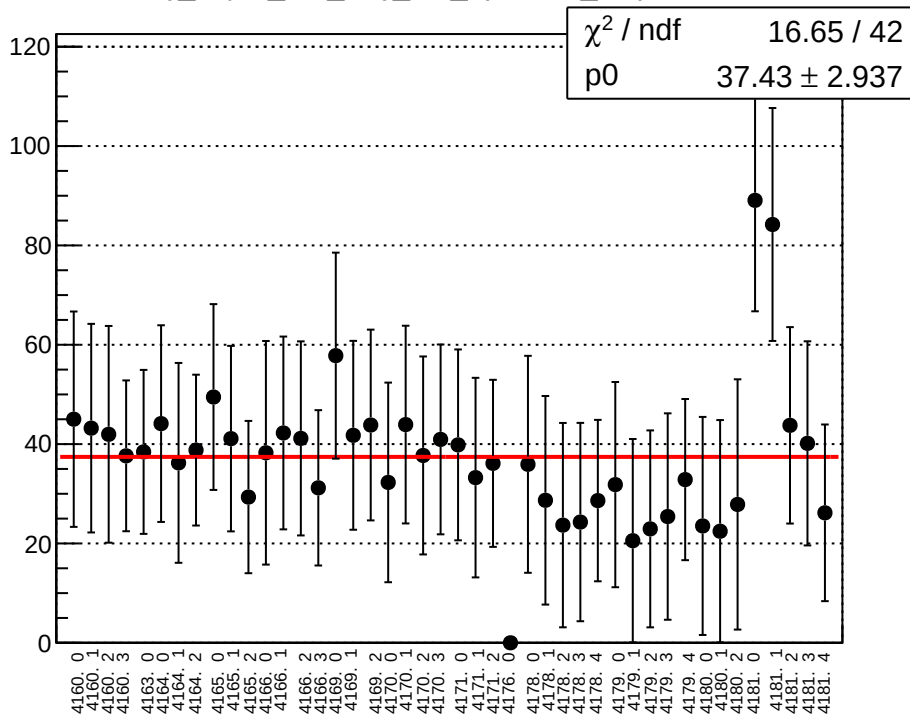




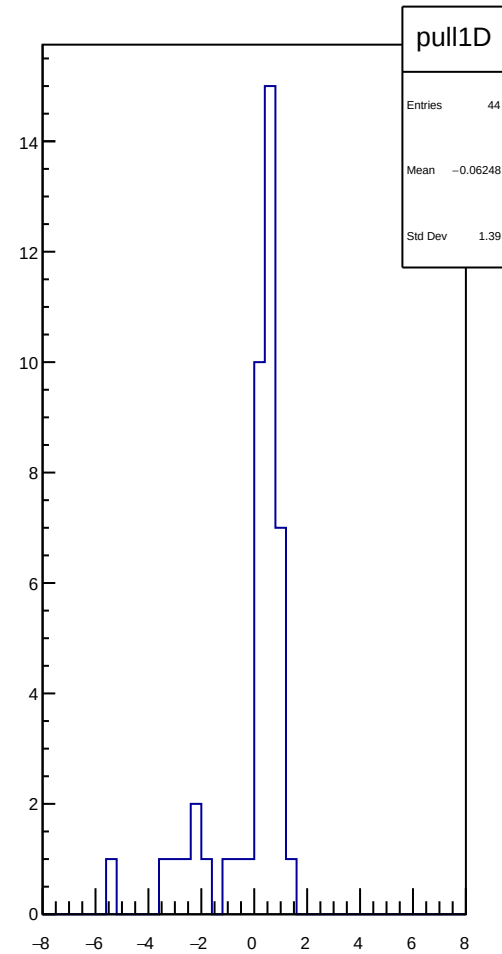
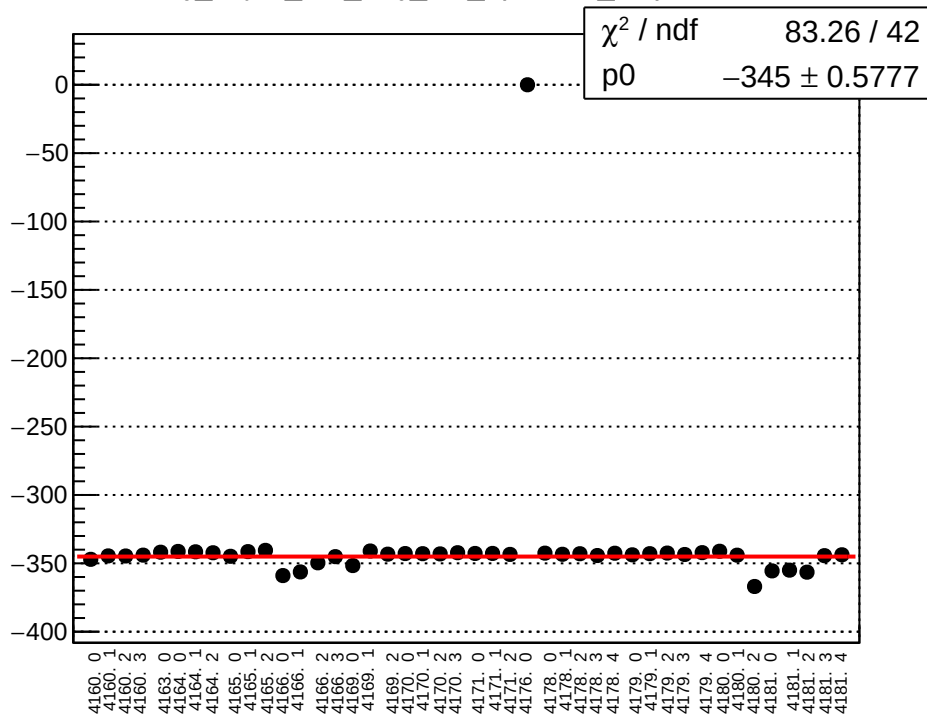
reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs run



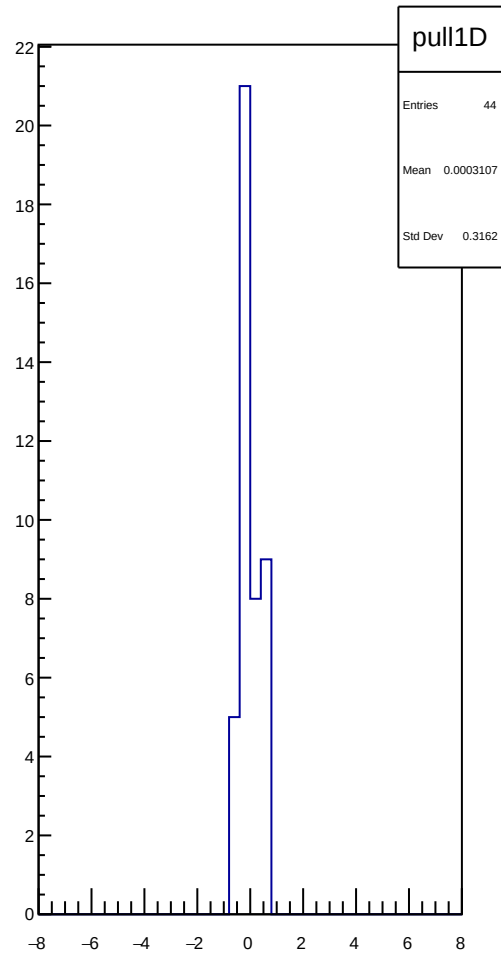
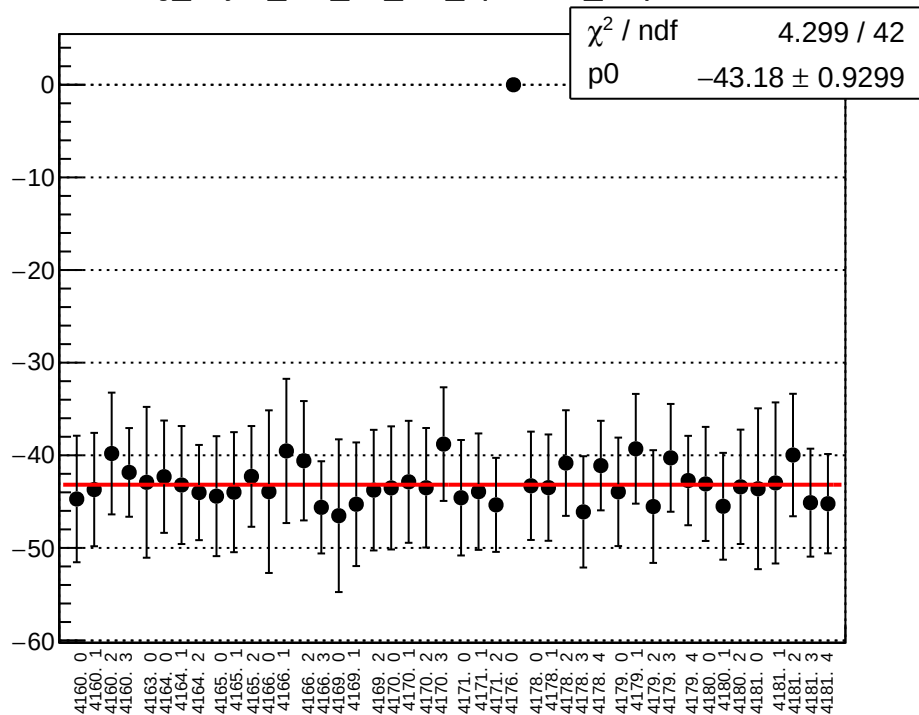
reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs run



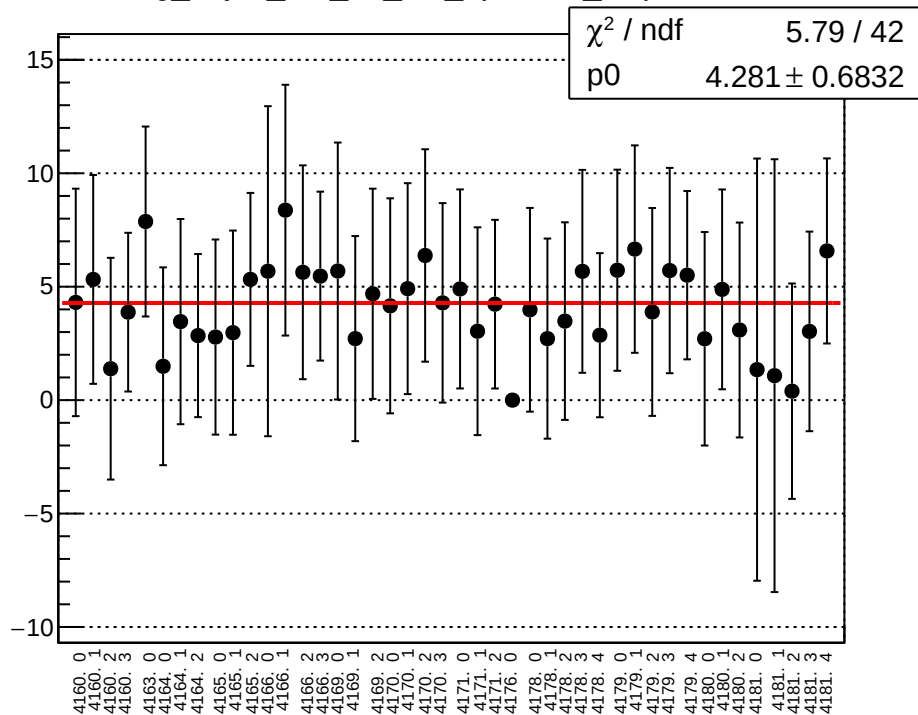
reg\_asym\_at2\_avg\_diff\_bpm11X\_slope vs run



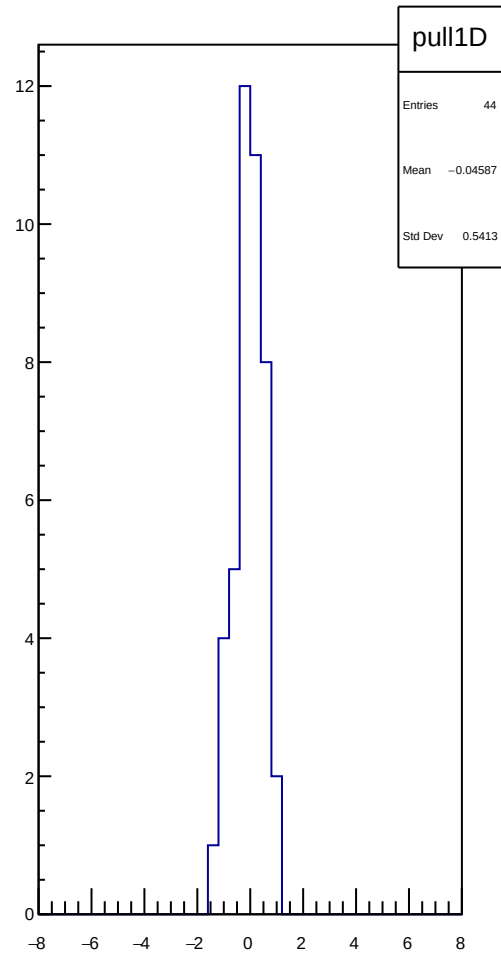
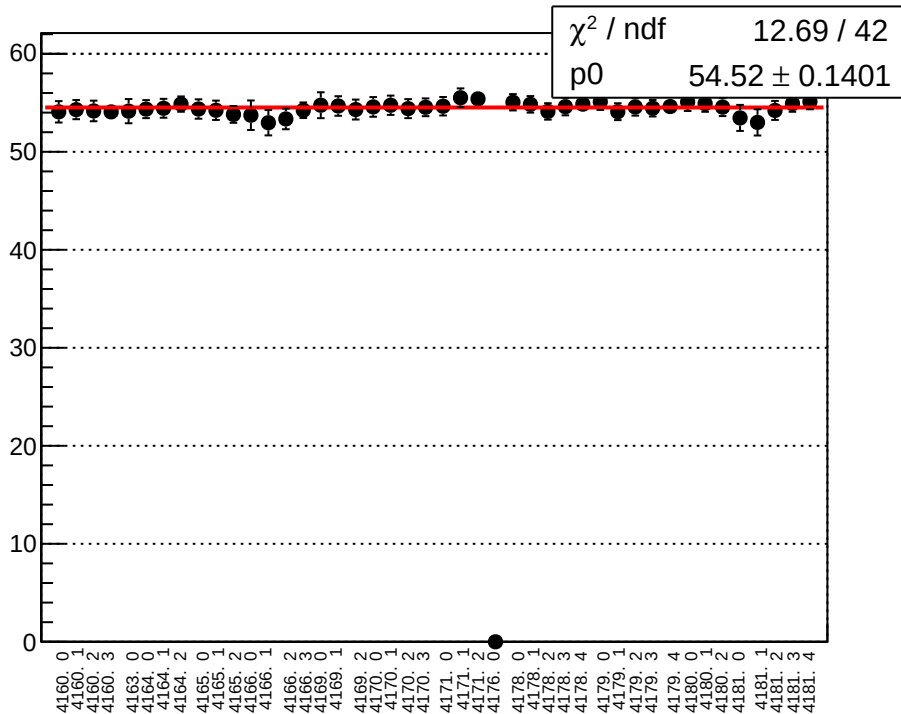
reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs run



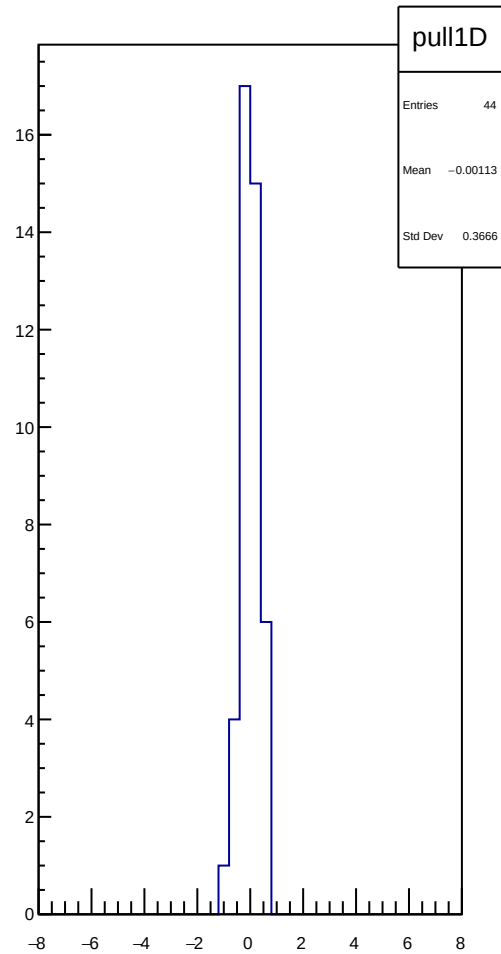
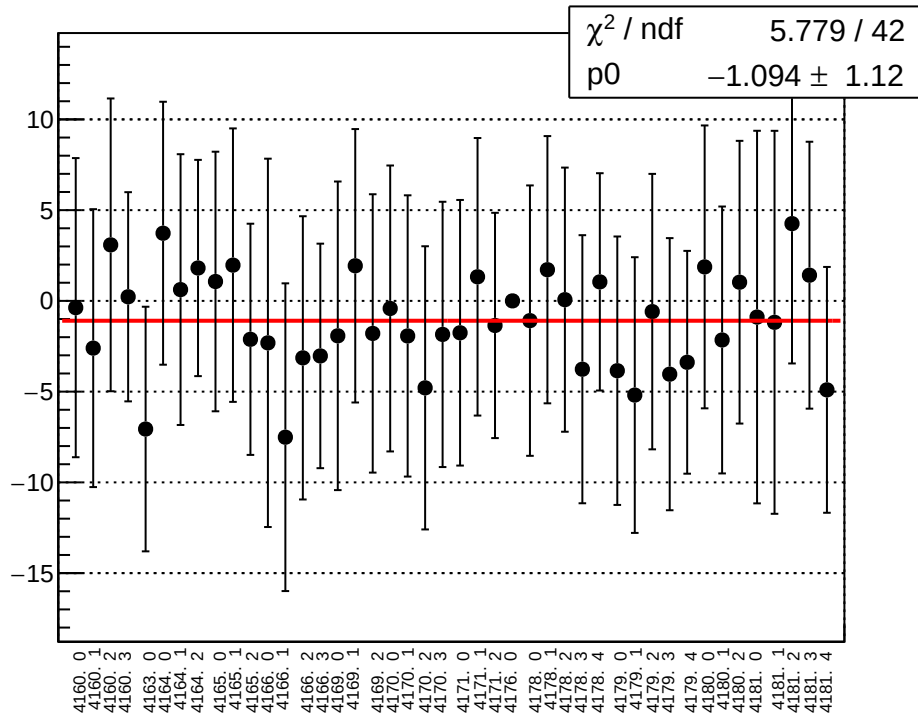
reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs run



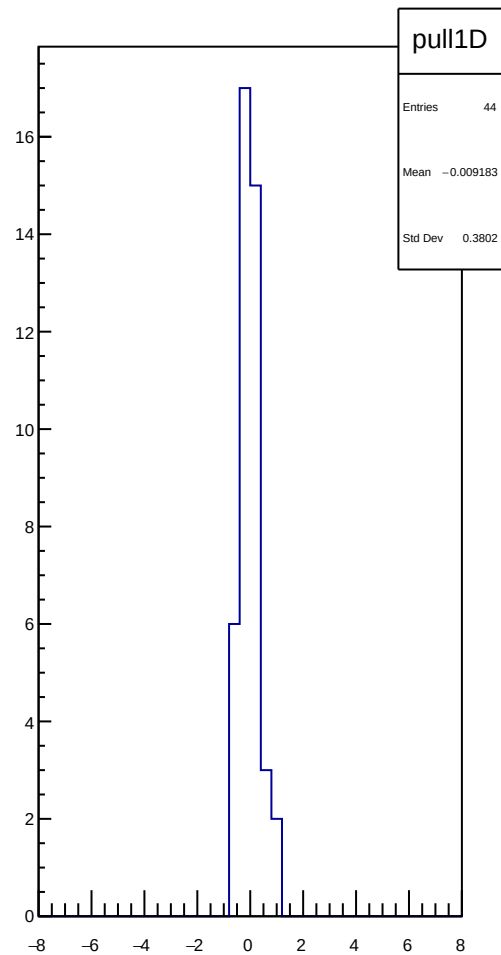
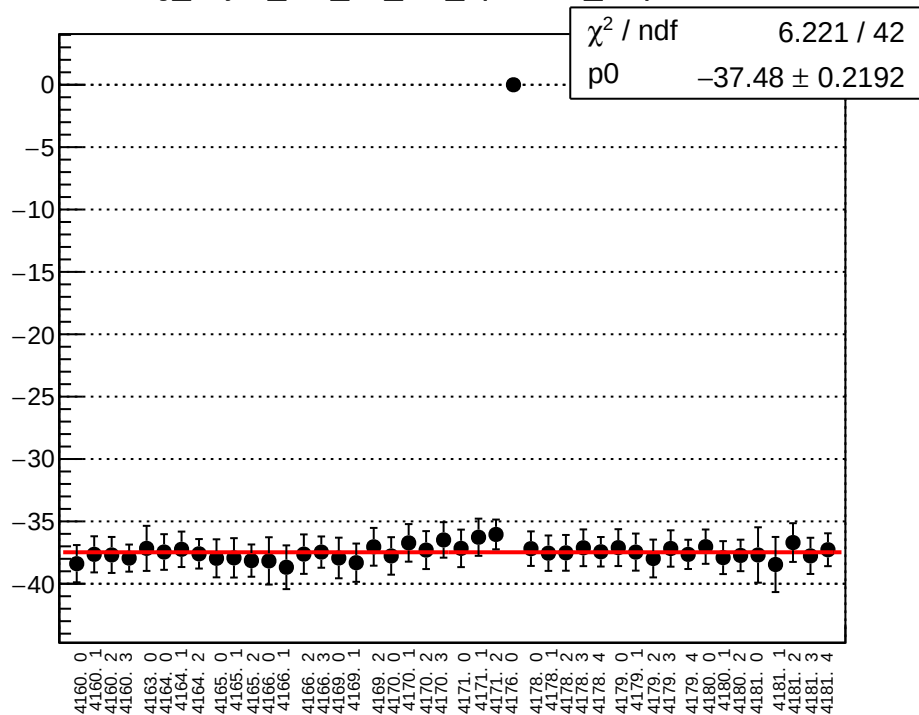
reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs run



reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs run

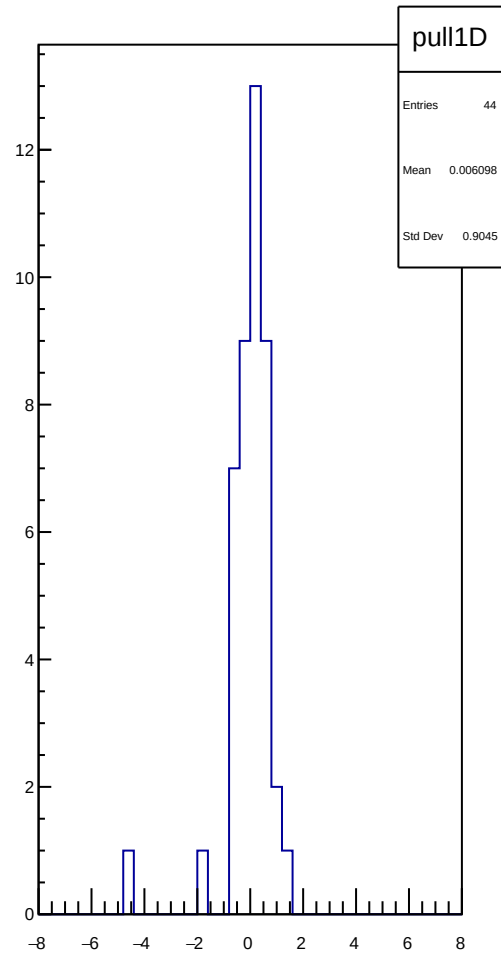
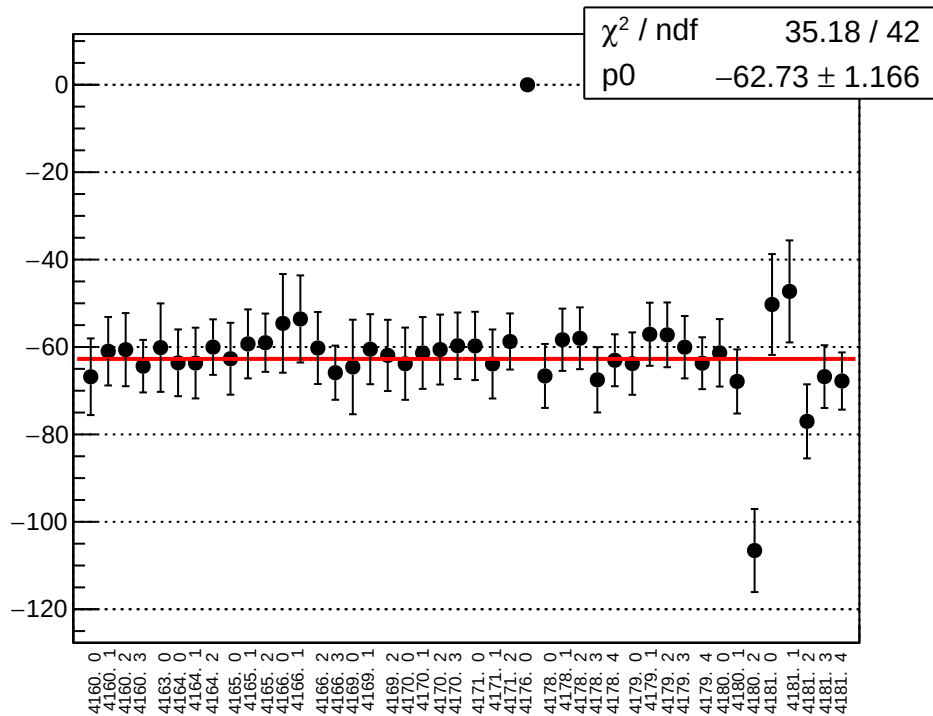


reg\_asym\_at2\_dd\_diff\_bpm11X\_slope vs run

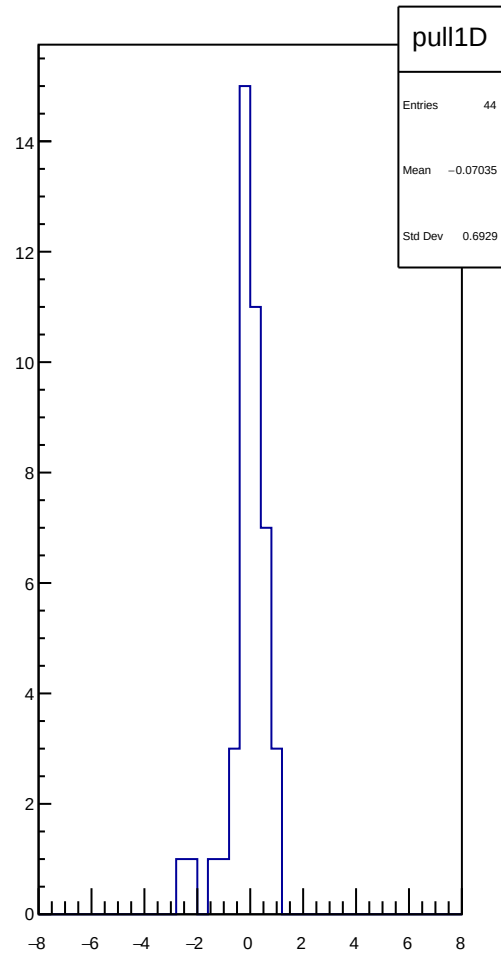
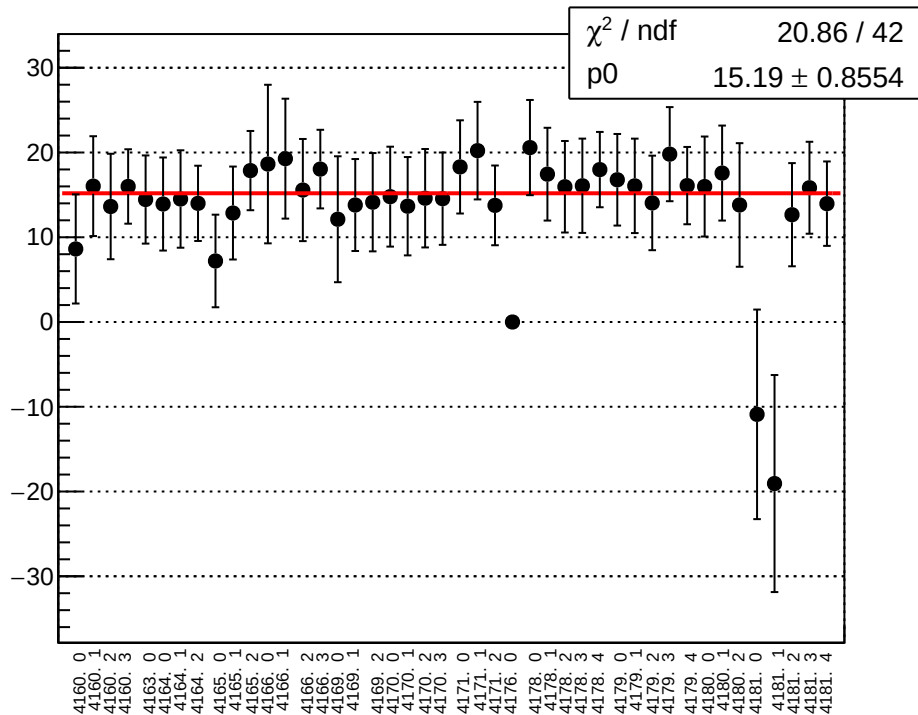




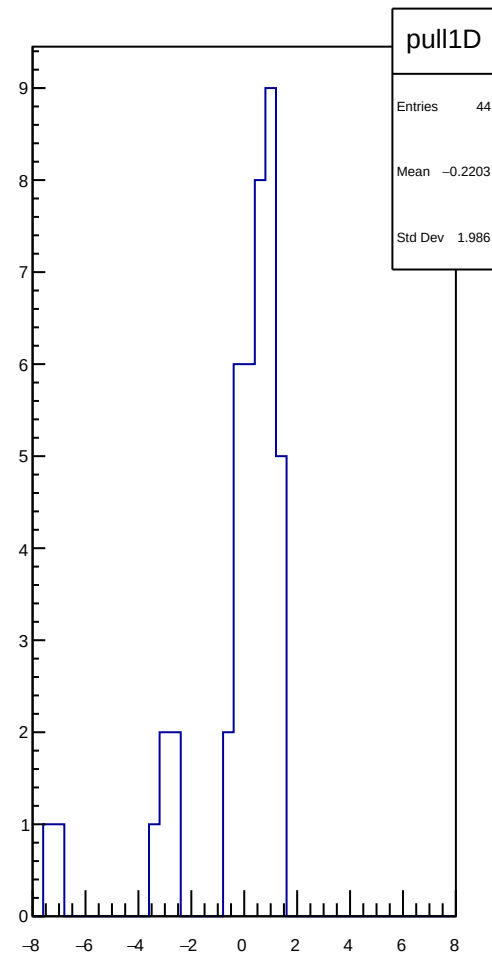
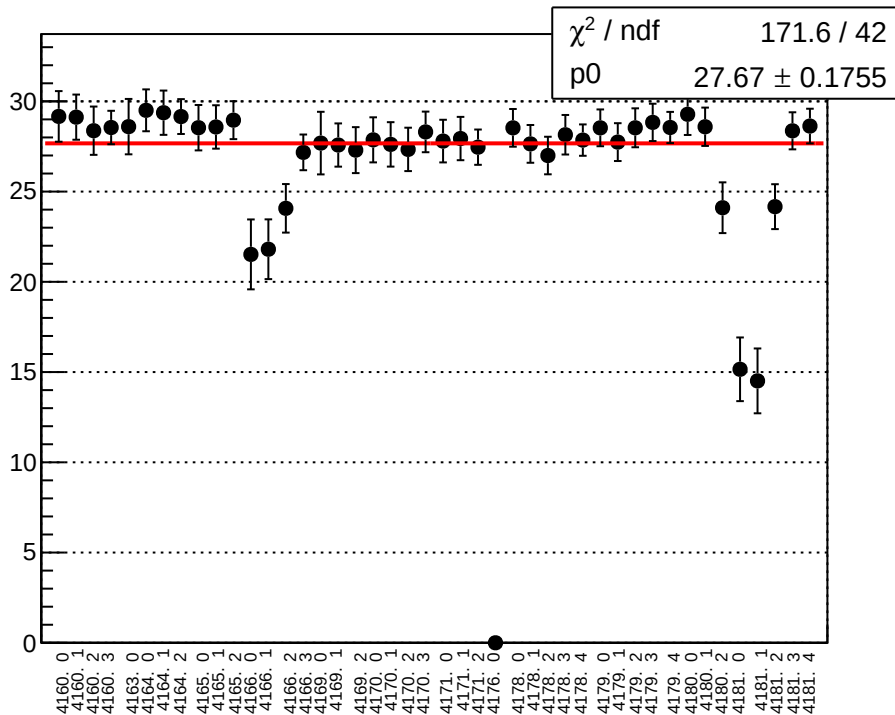
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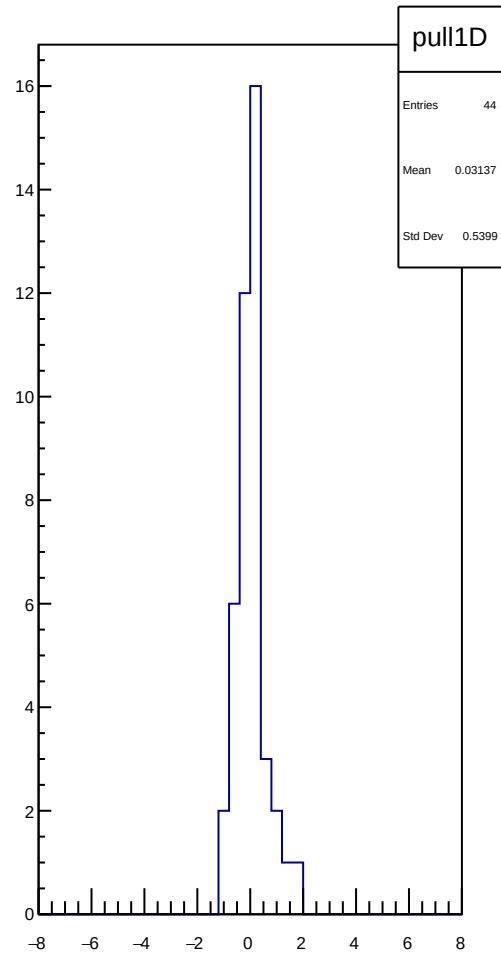
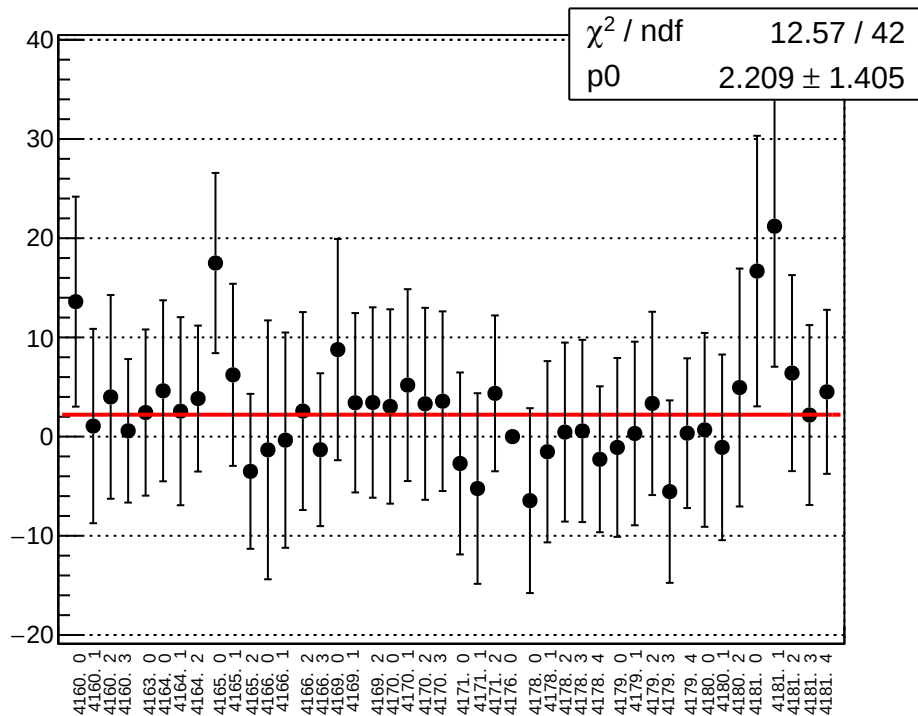
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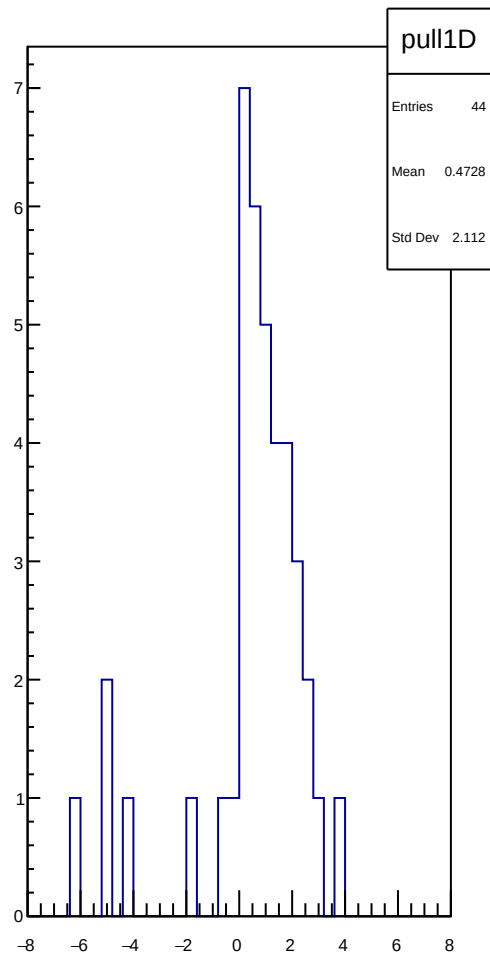
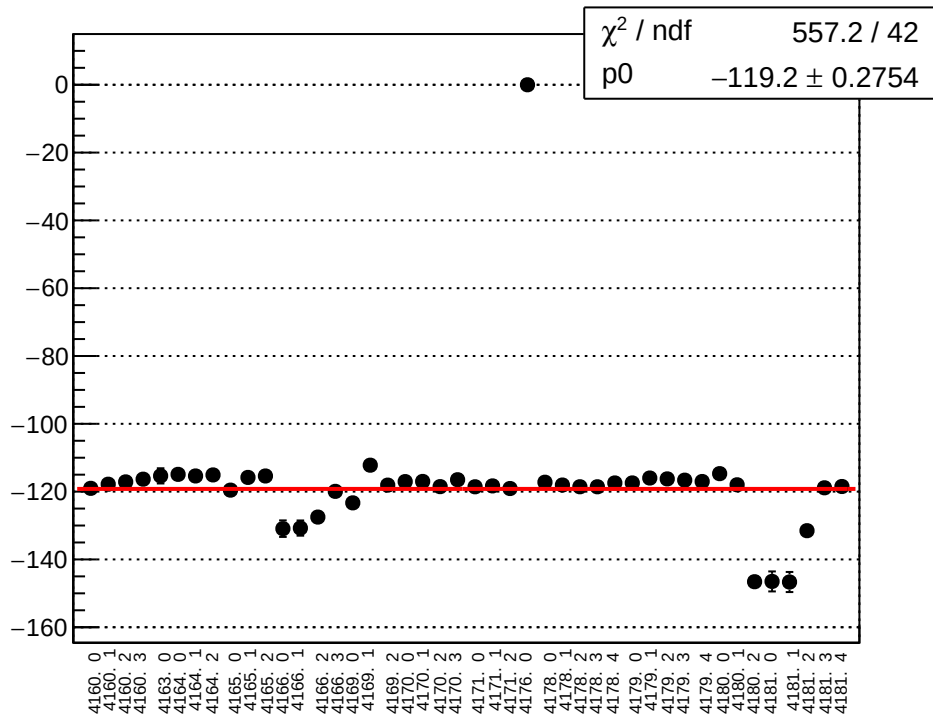
reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs run



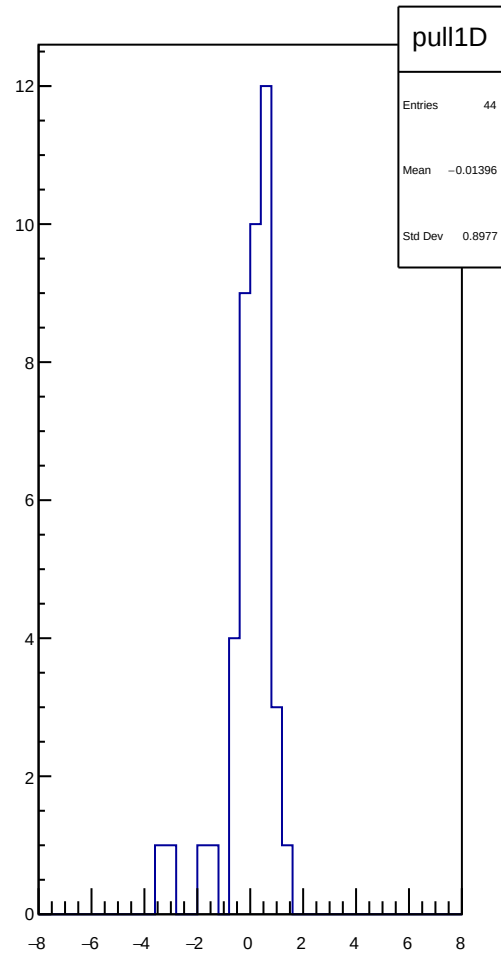
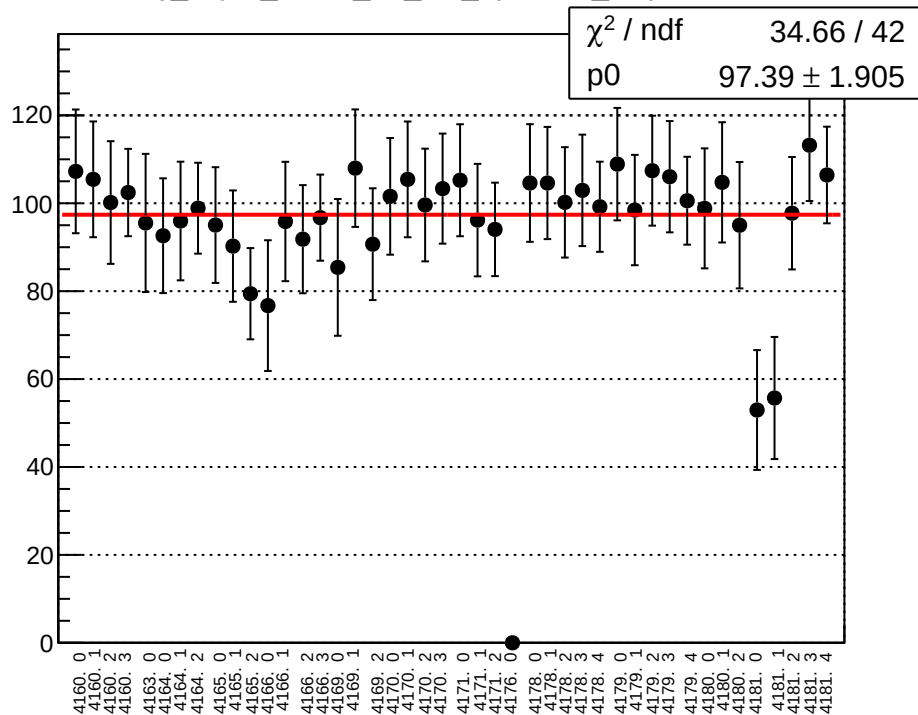
reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs run



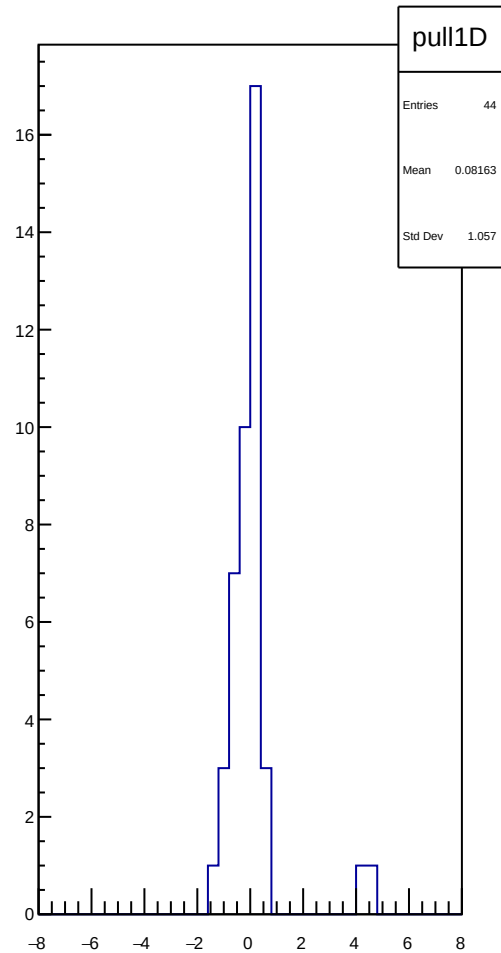
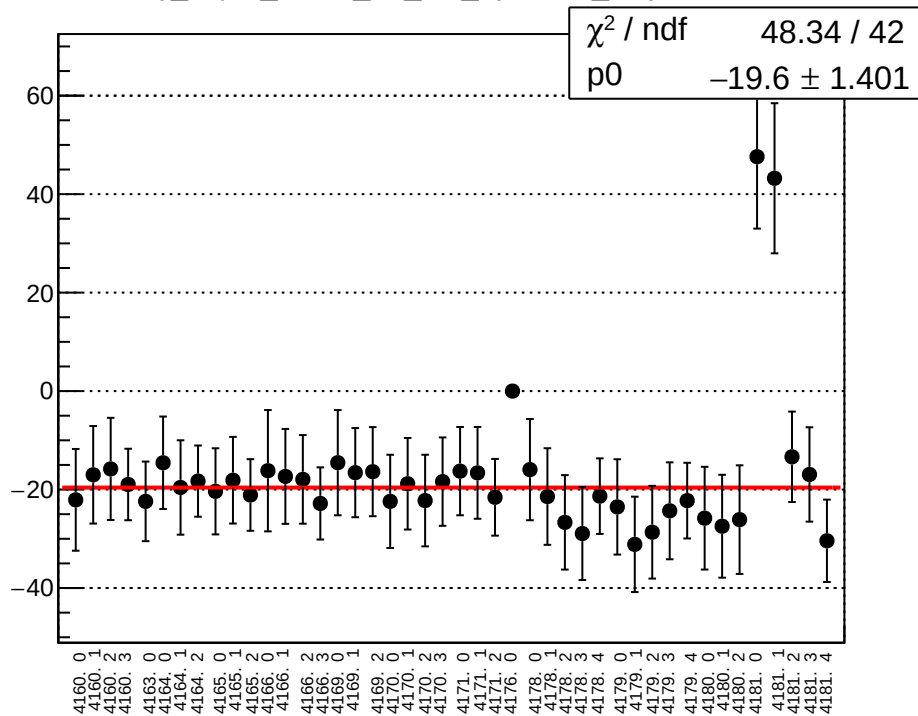
reg\_asym\_atl1r2\_avg\_diff\_bpm11X\_slope vs run



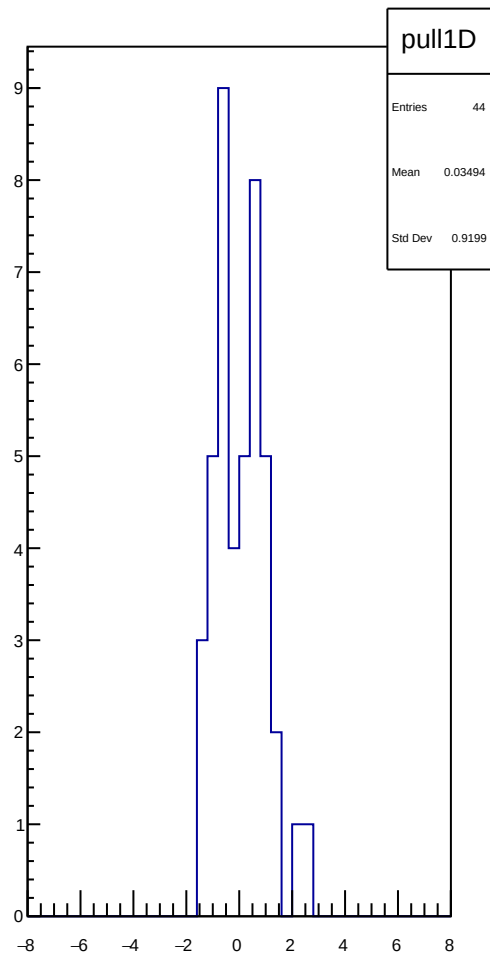
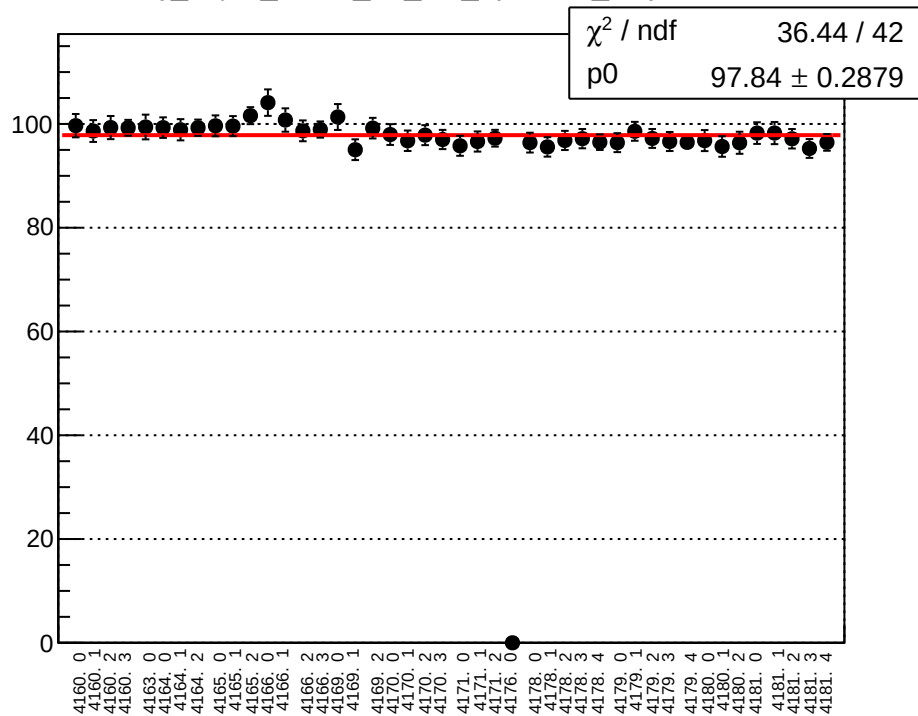
reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs run



reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs run

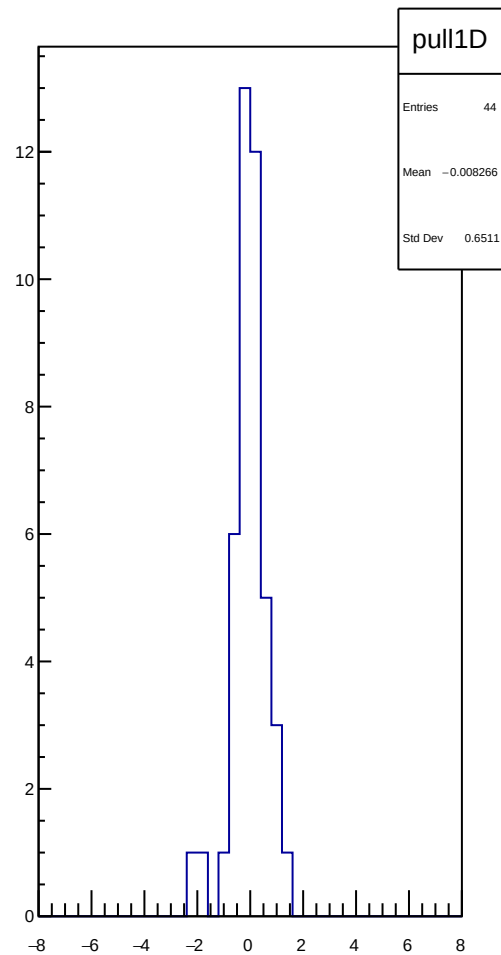
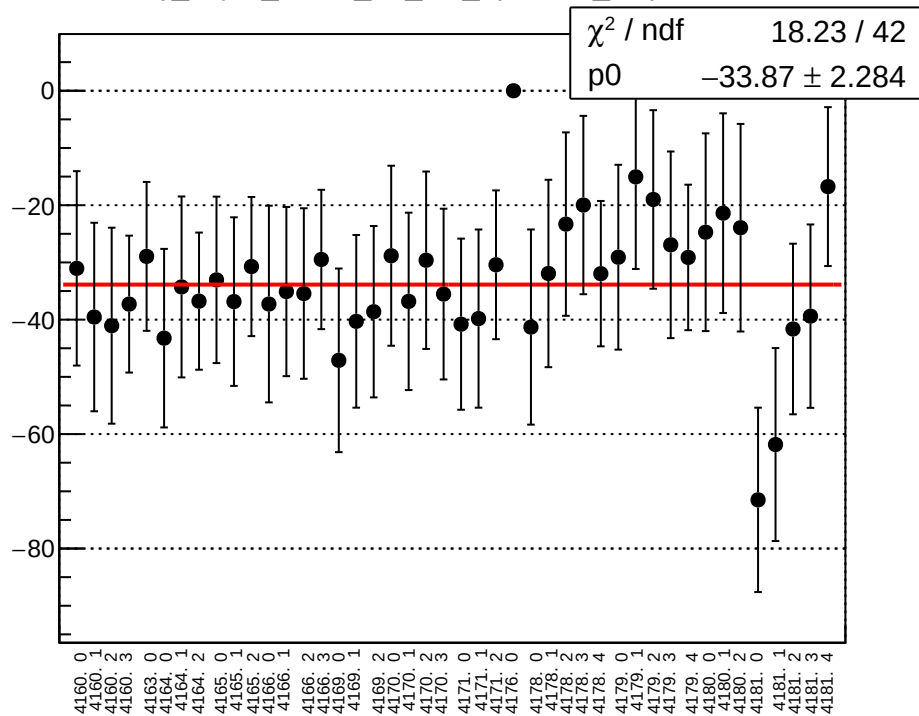


reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs run

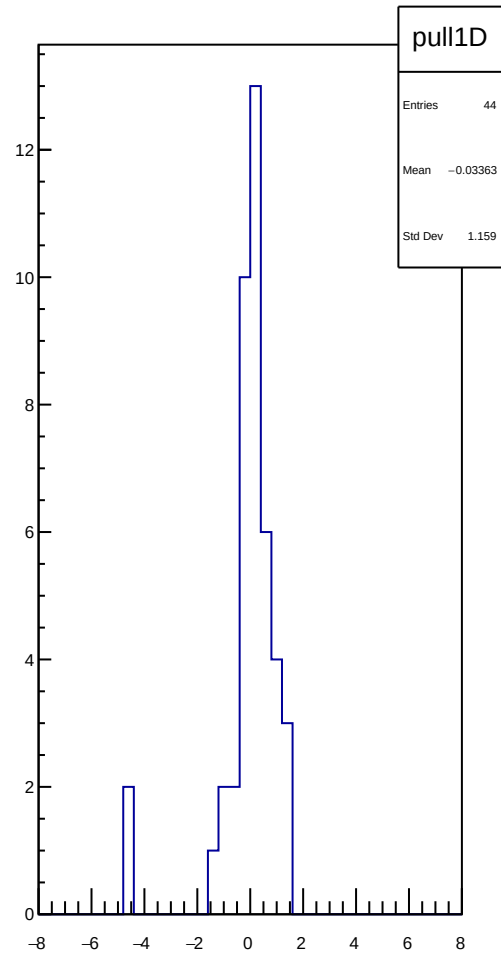
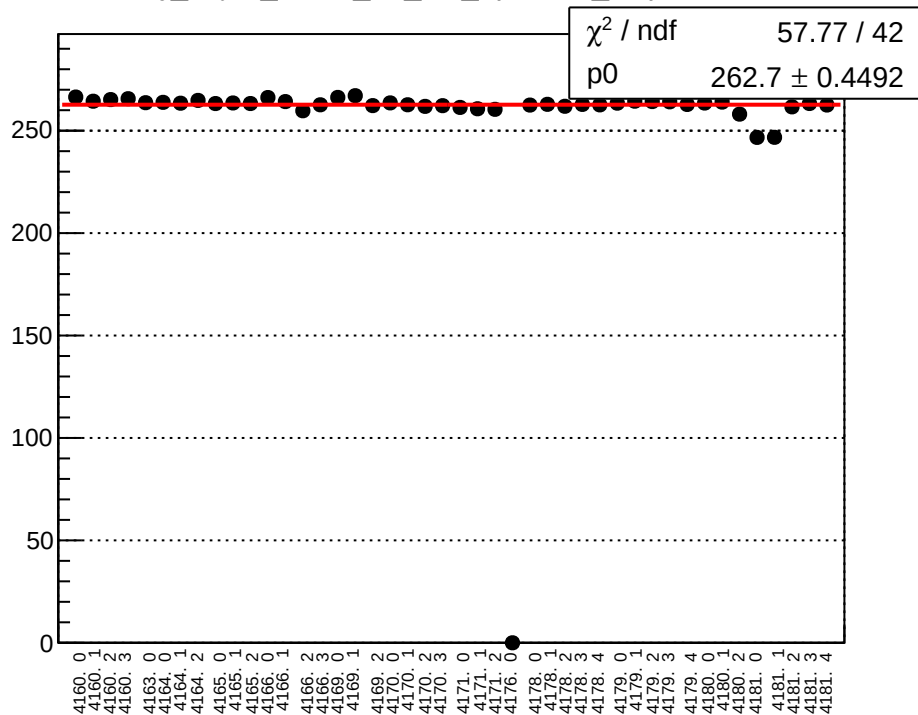




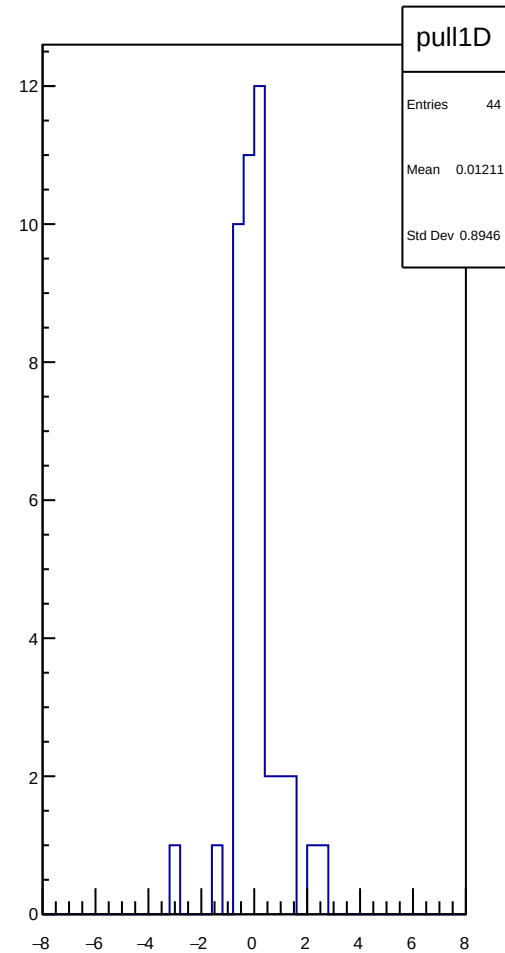
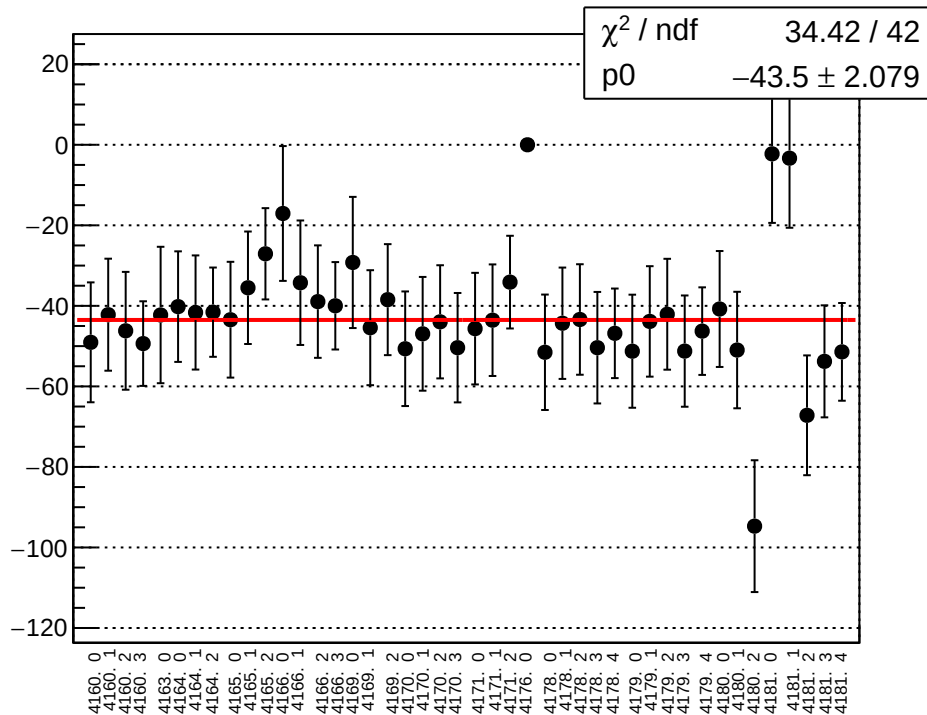
reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs run



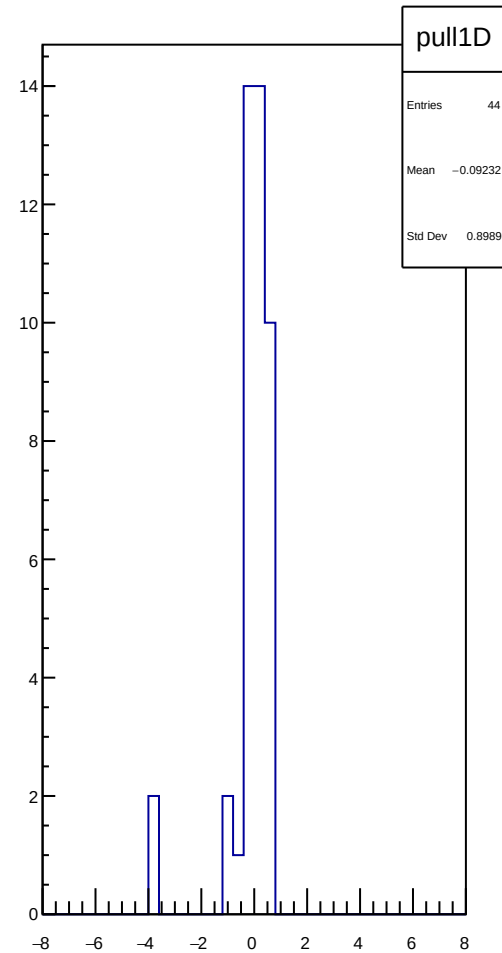
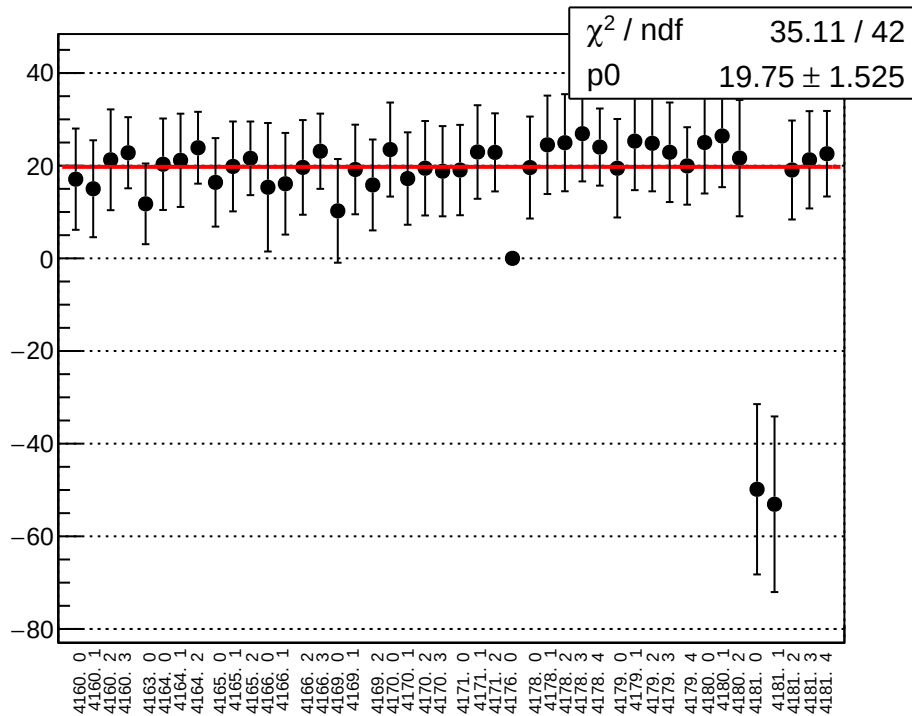
reg\_asym\_atl1r2\_dd\_diff\_bpm11X\_slope vs run



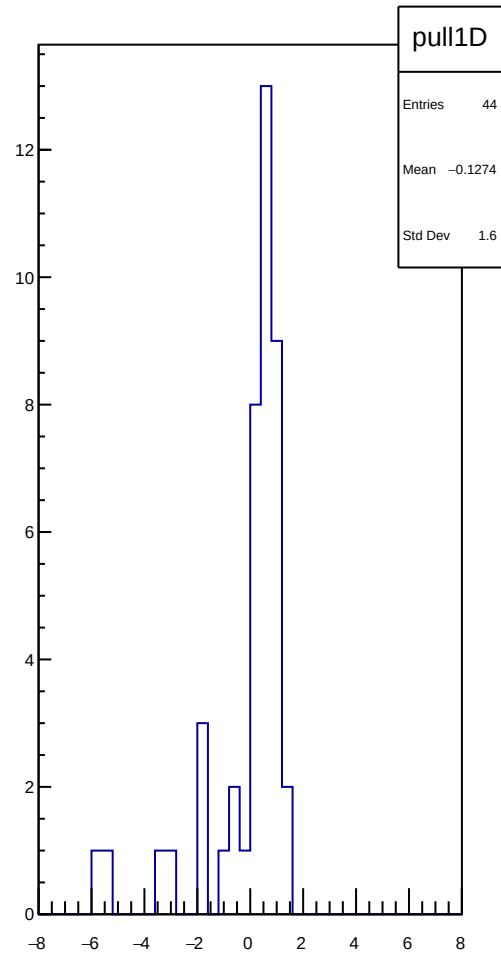
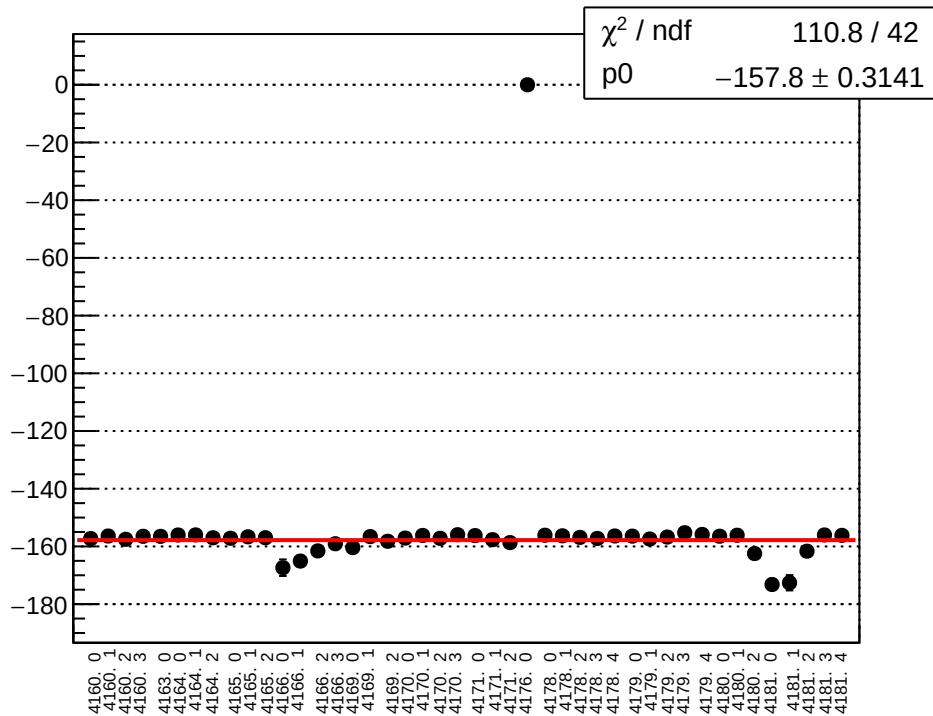
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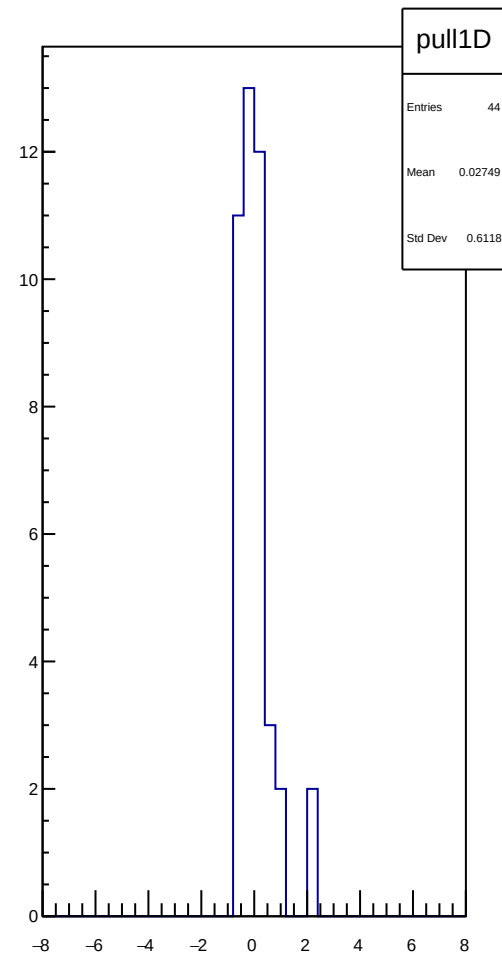
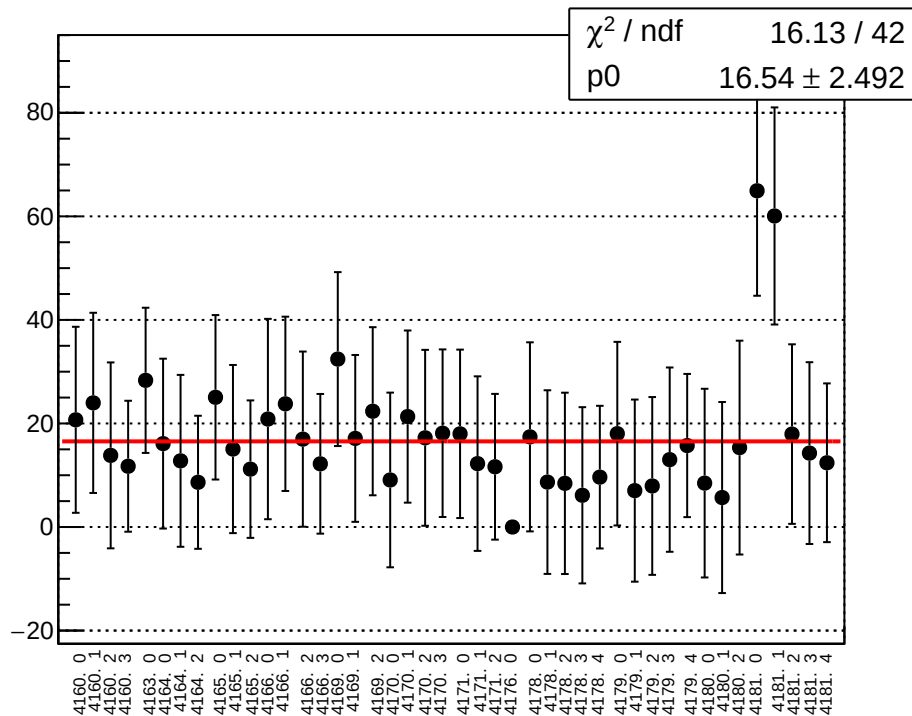
reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs run



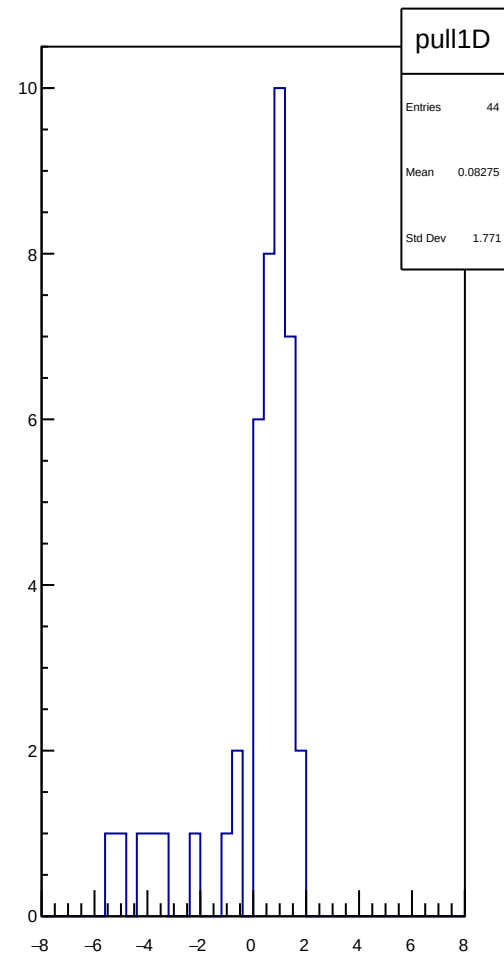
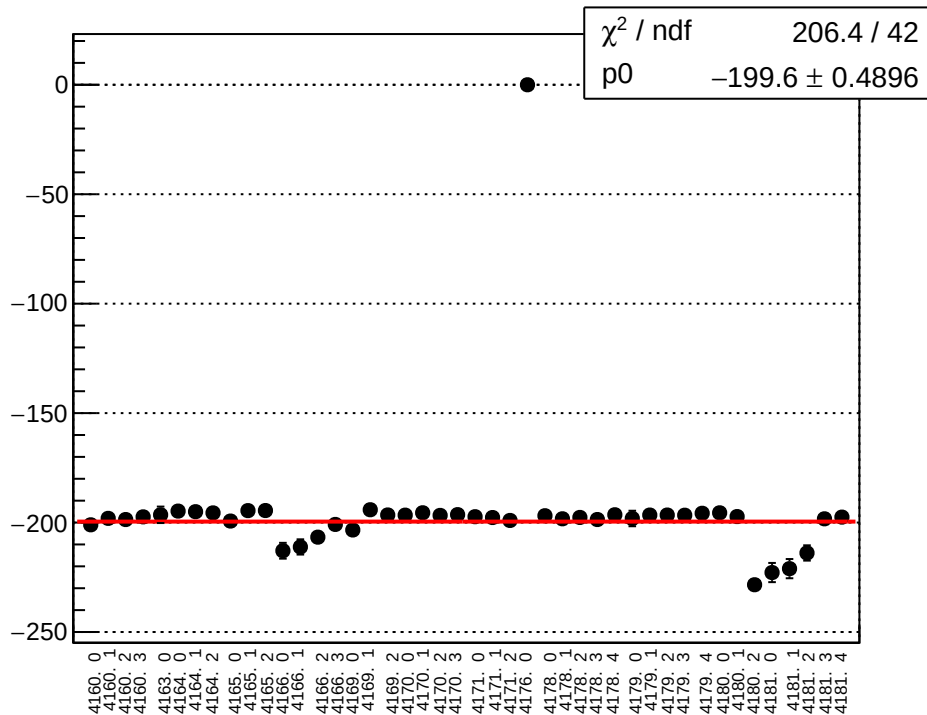
reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs run



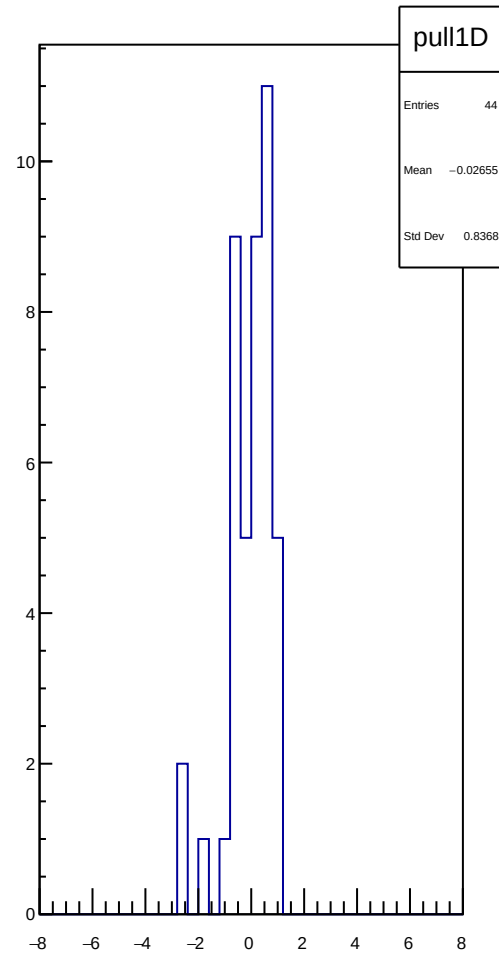
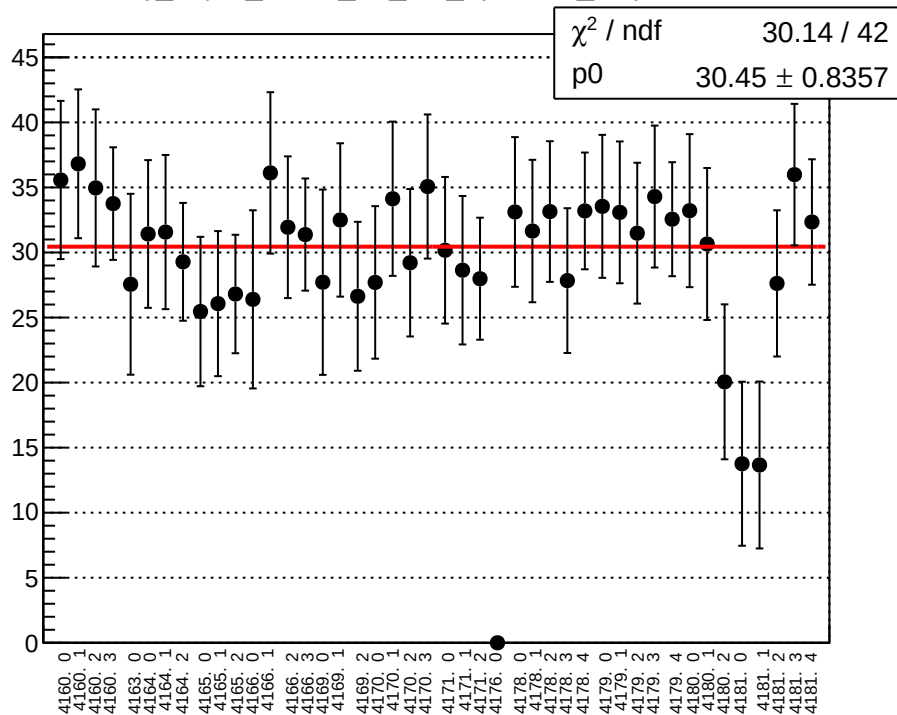
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reg\_asym\_atr1l2\_avg\_diff\_bpm11X\_slope vs run

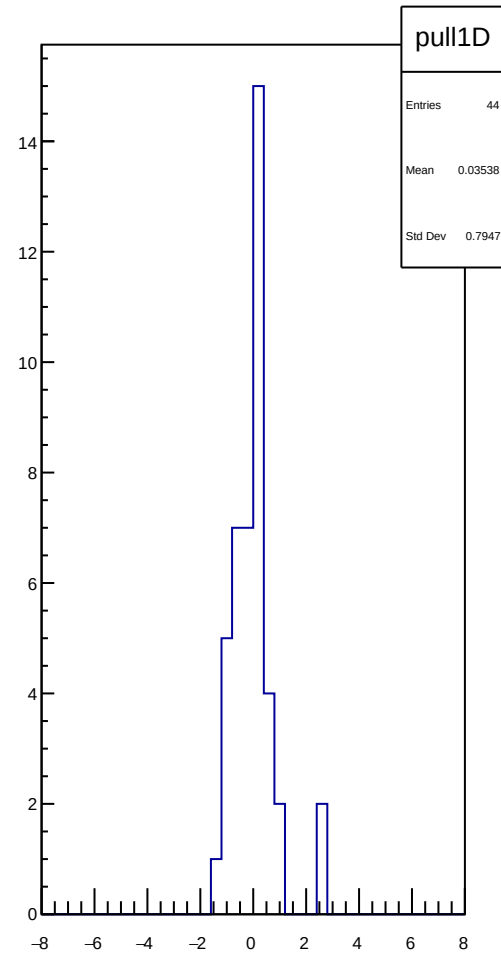
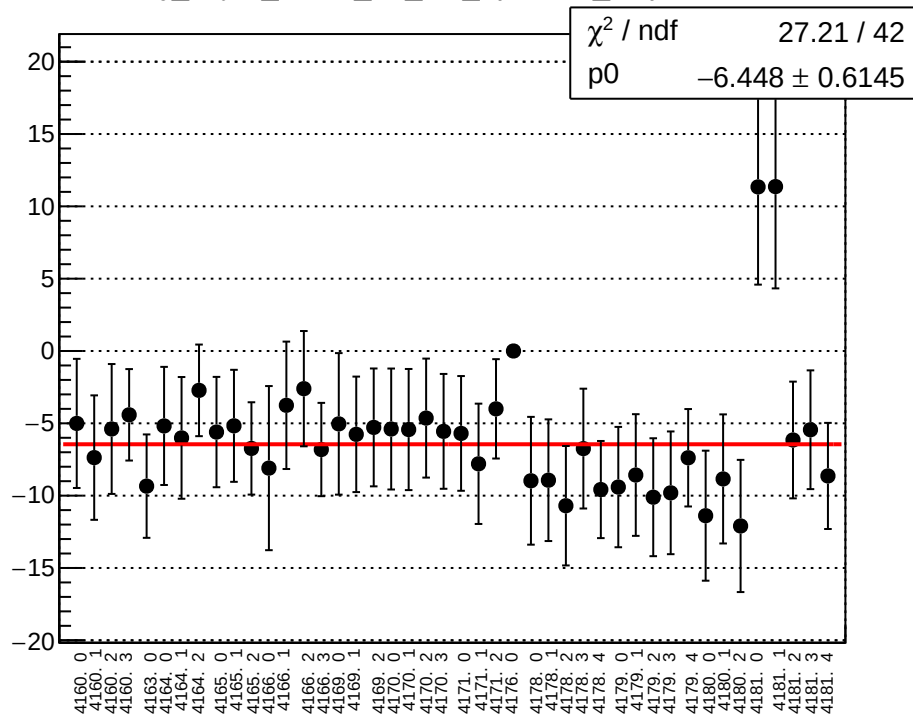


reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs run

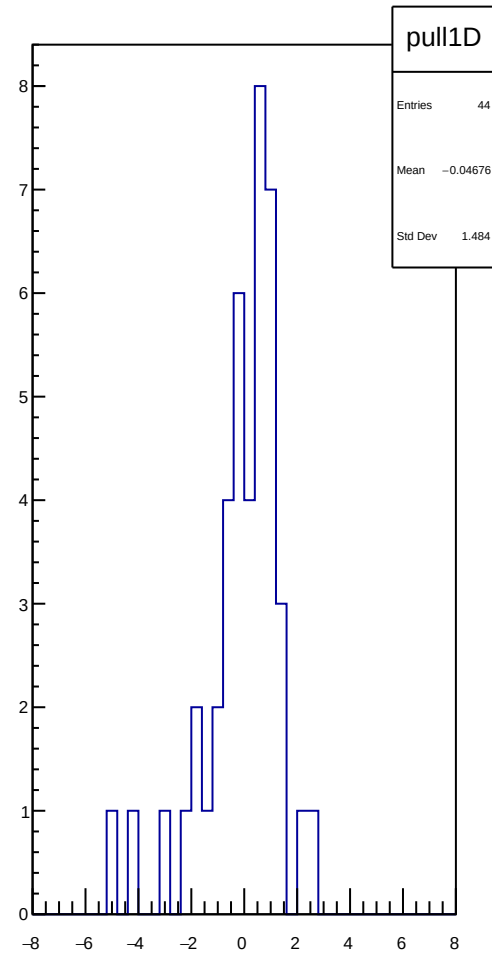
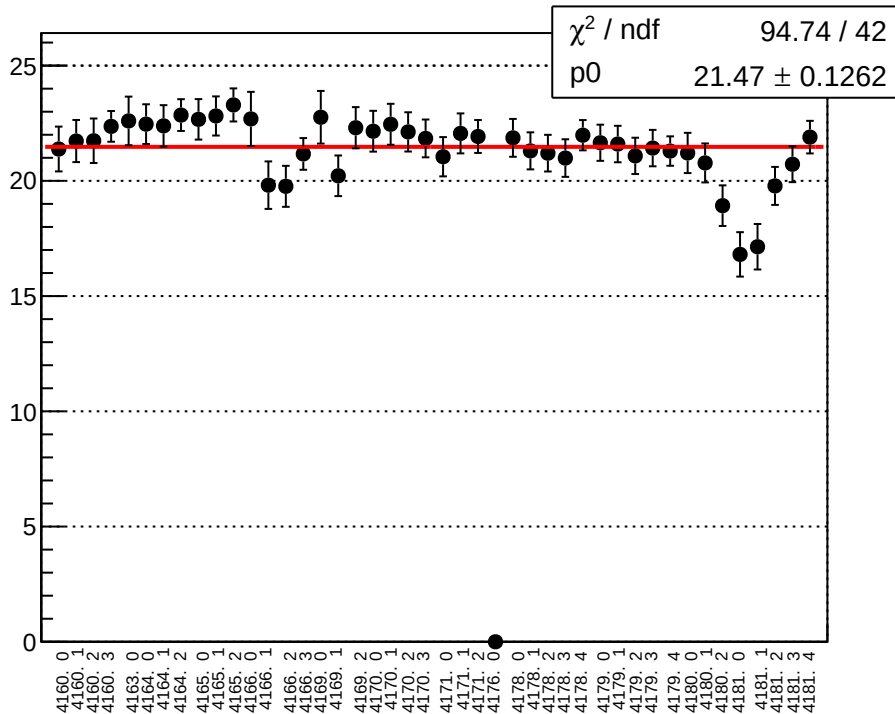




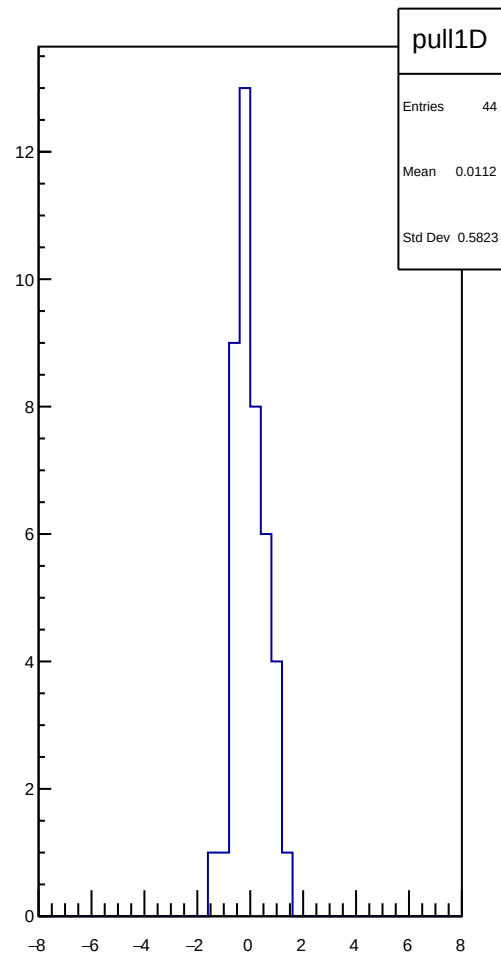
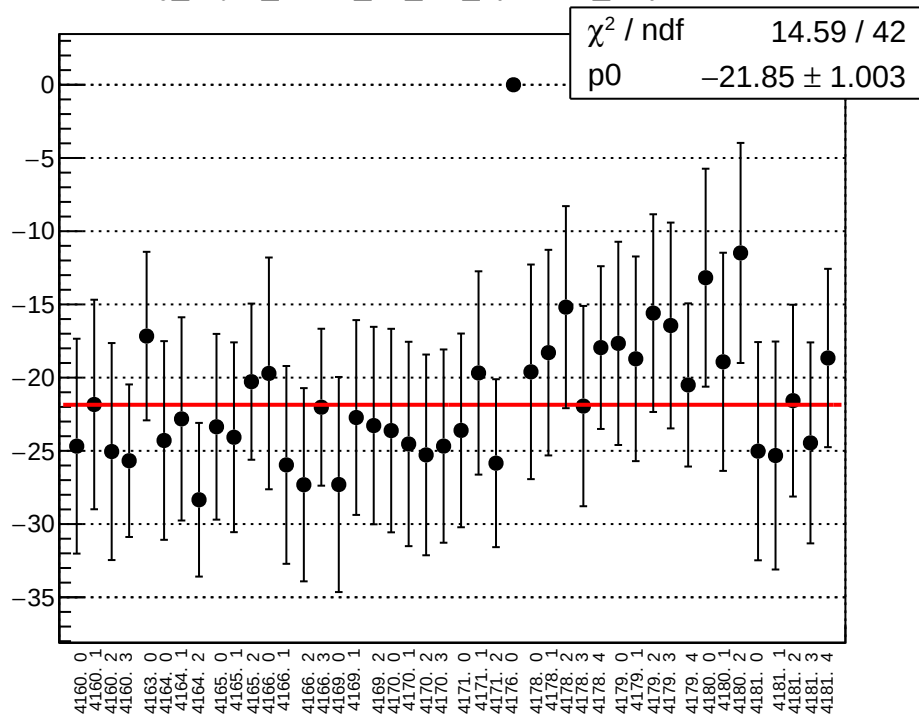
reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs run



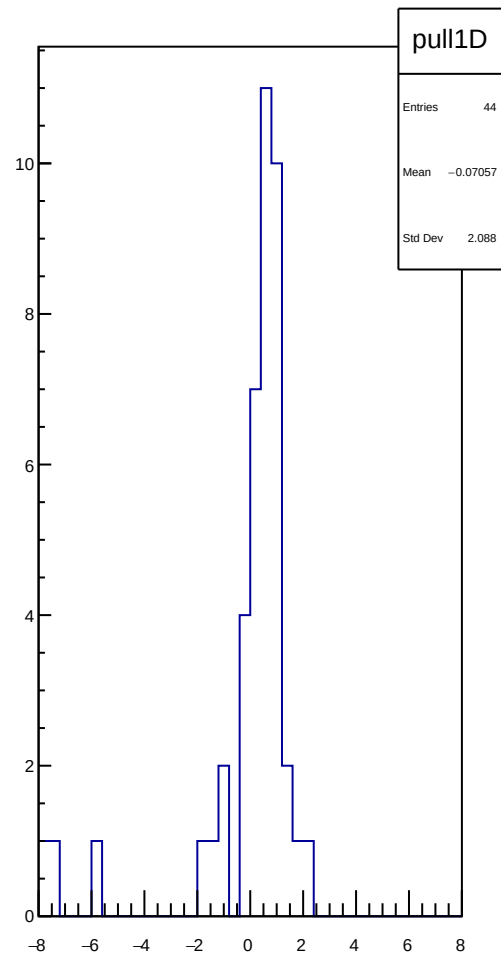
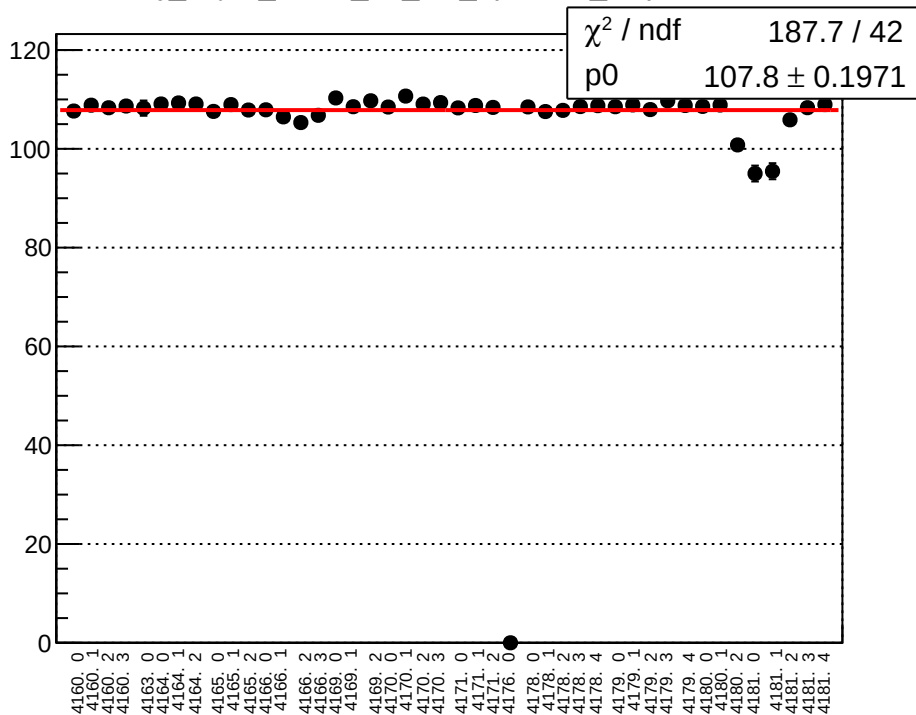
reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs run



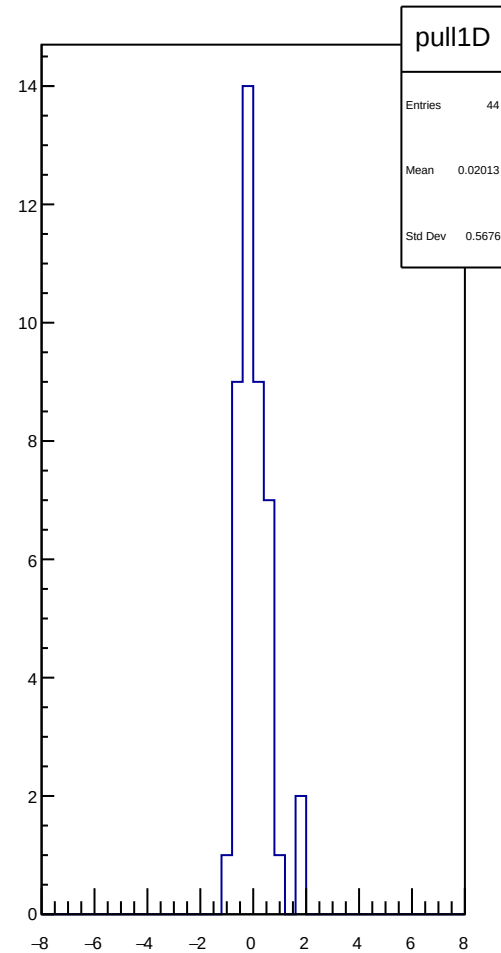
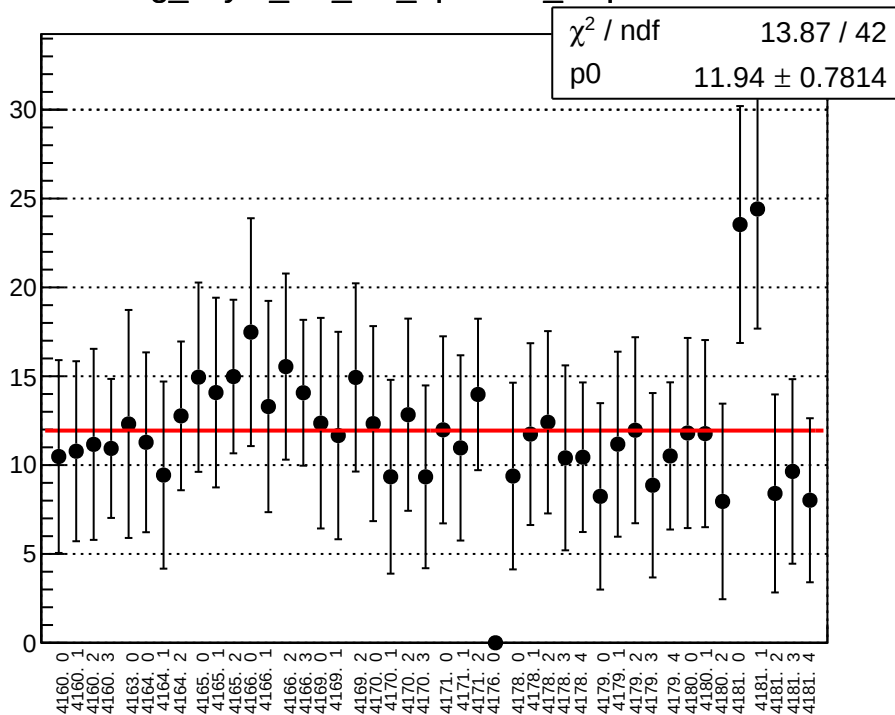
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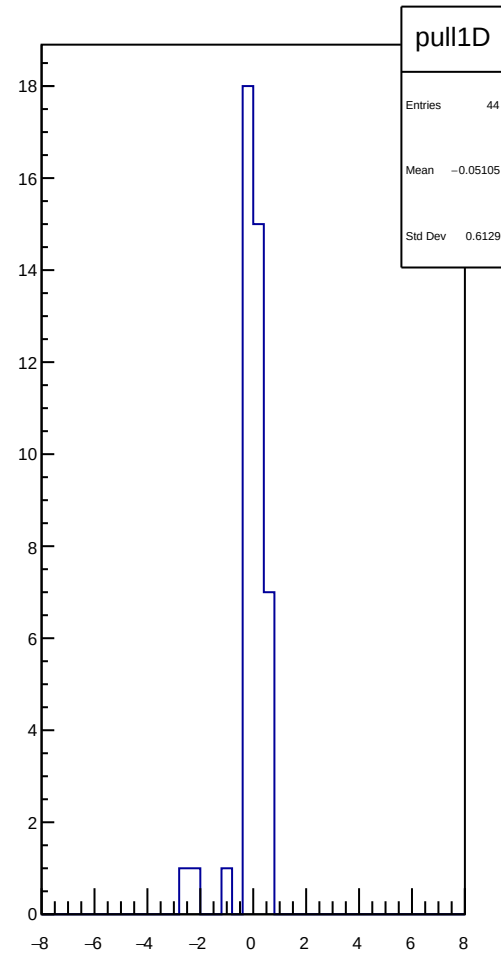
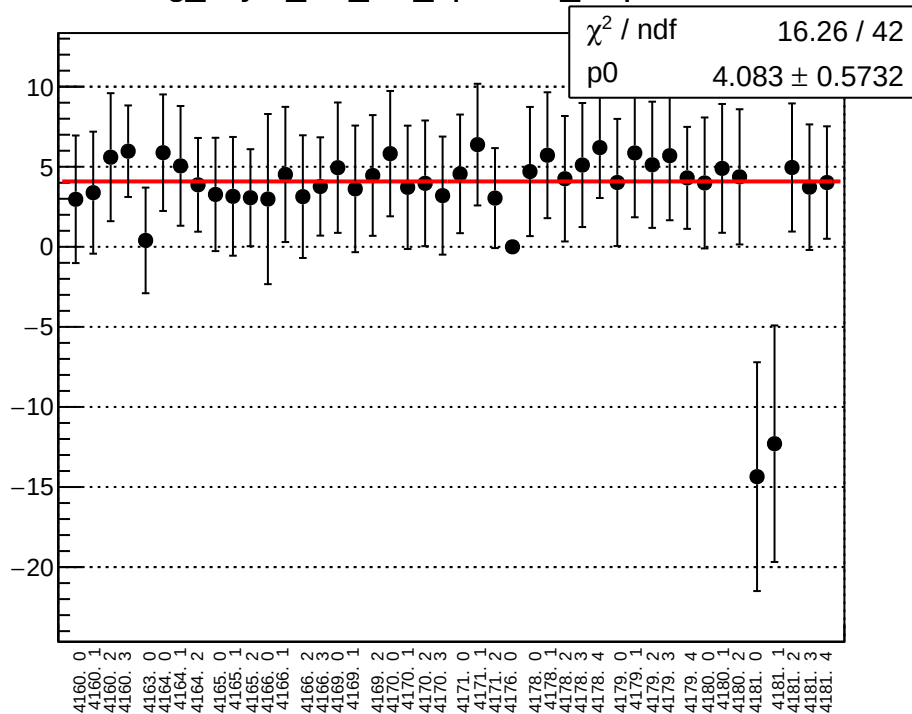
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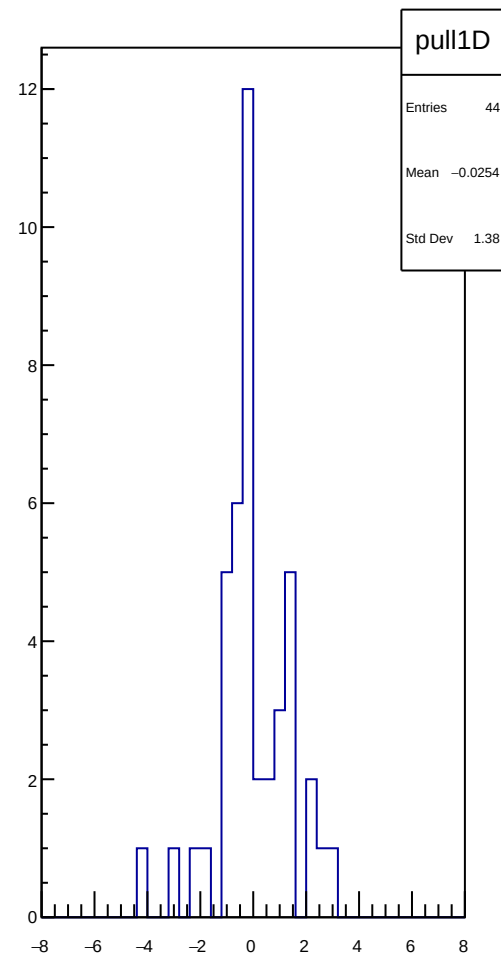
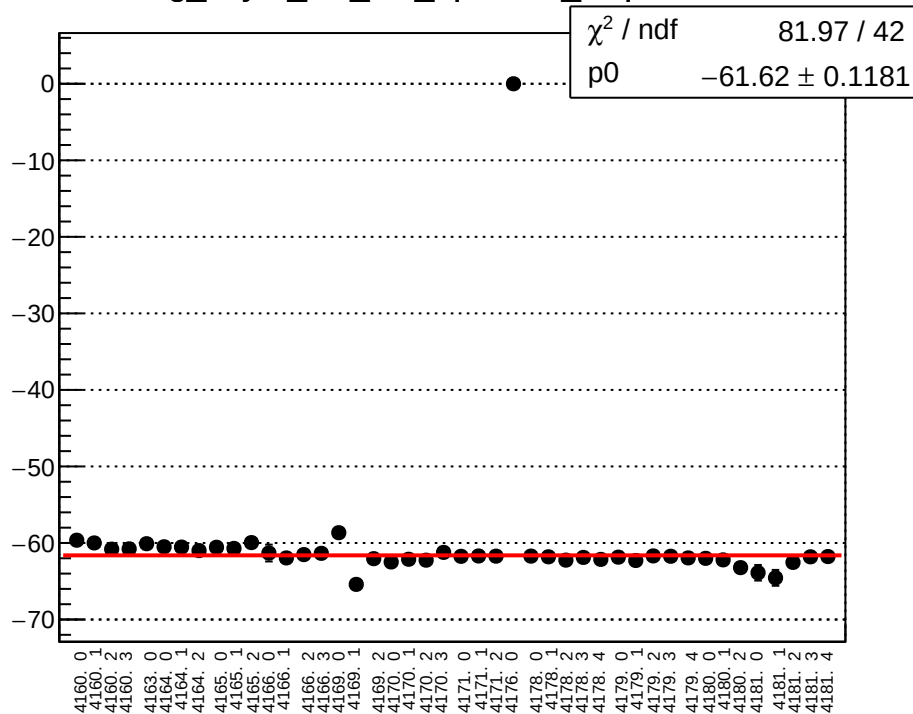
reg\_asym\_usl\_diff\_bpm4aX\_slope vs run



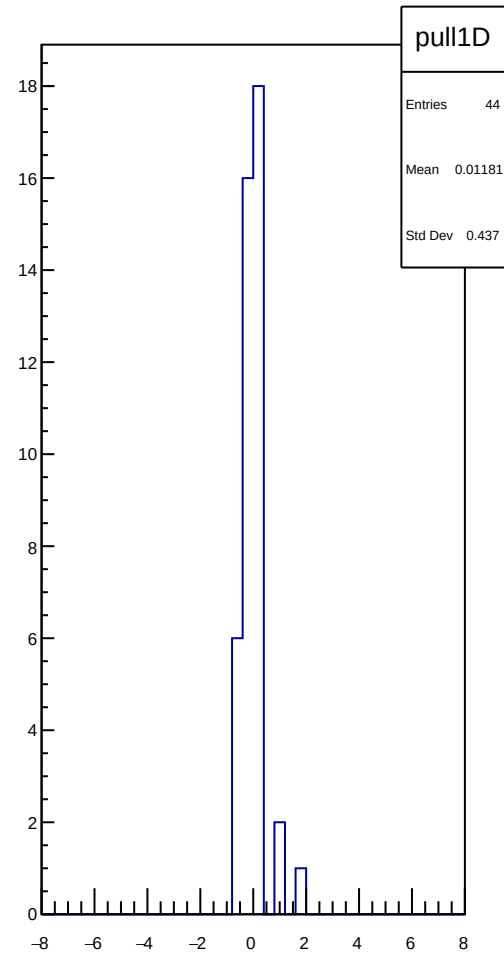
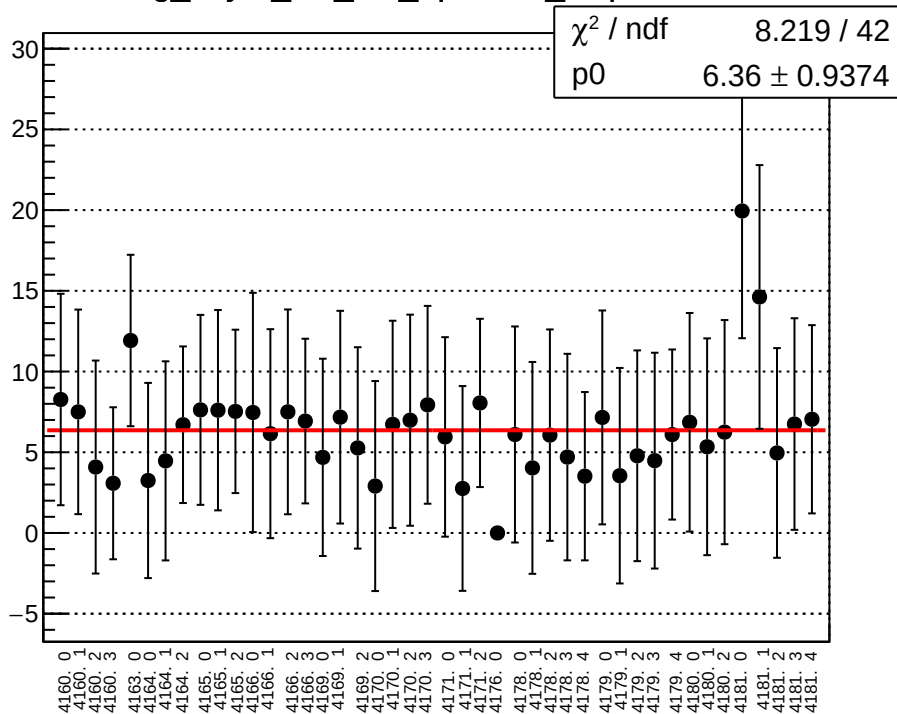
reg\_asym\_usl\_diff\_bpm4aY\_slope vs run



reg\_asym\_usl\_diff\_bpm4eX\_slope vs run

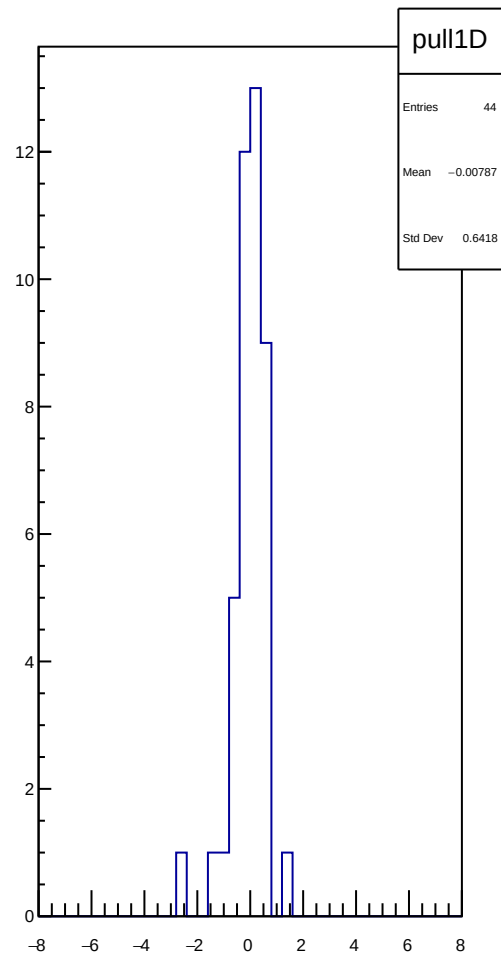
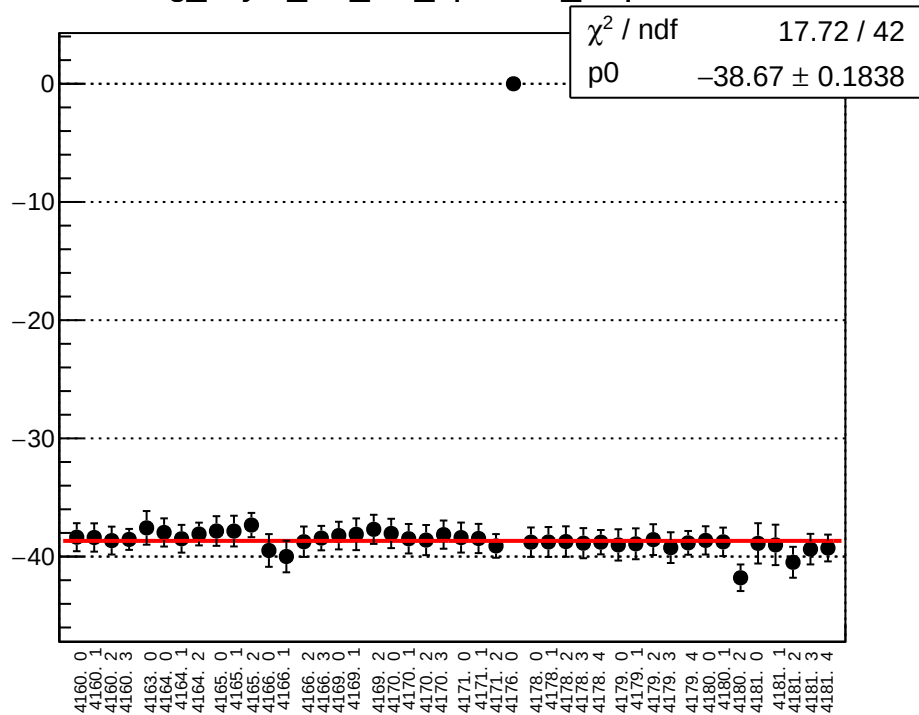


reg\_asym\_usl\_diff\_bpm4eY\_slope vs run

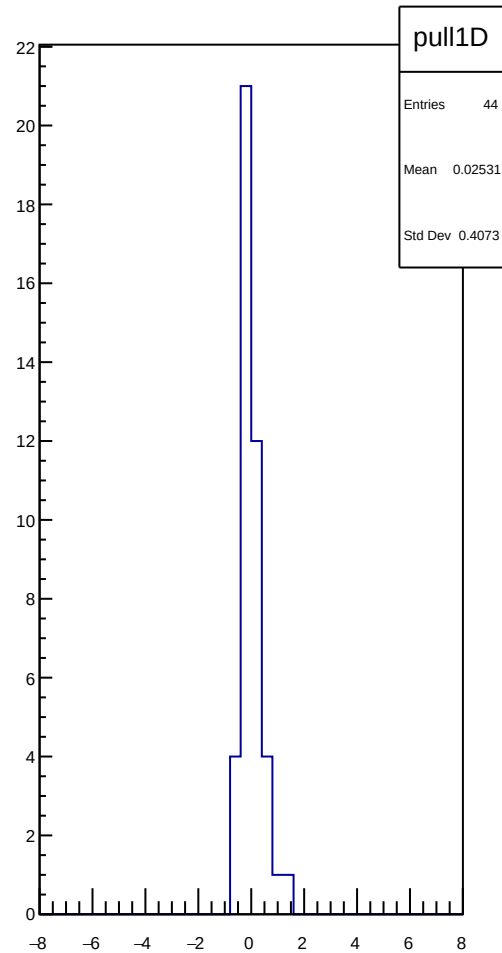
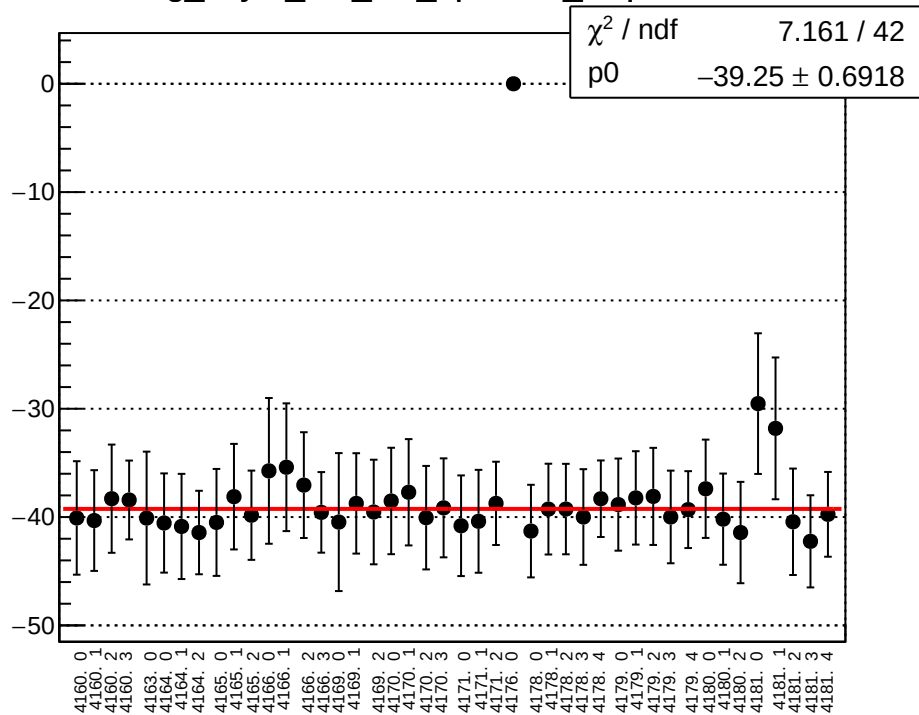




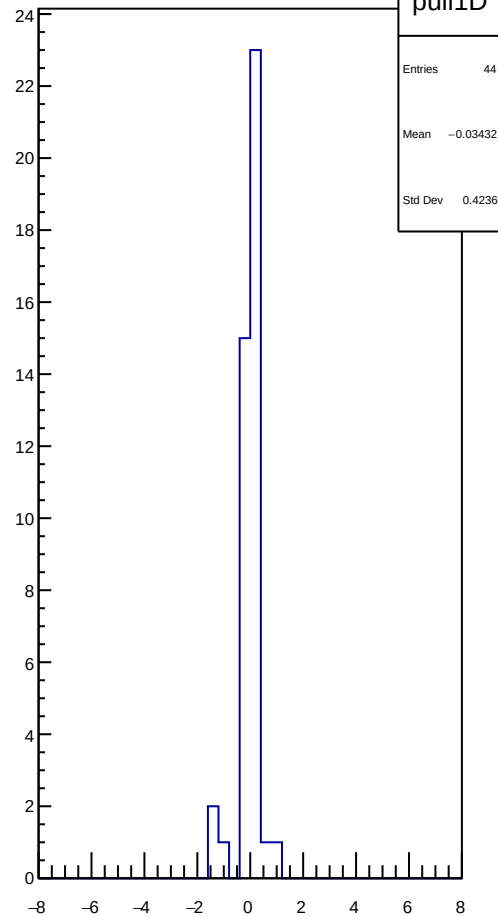
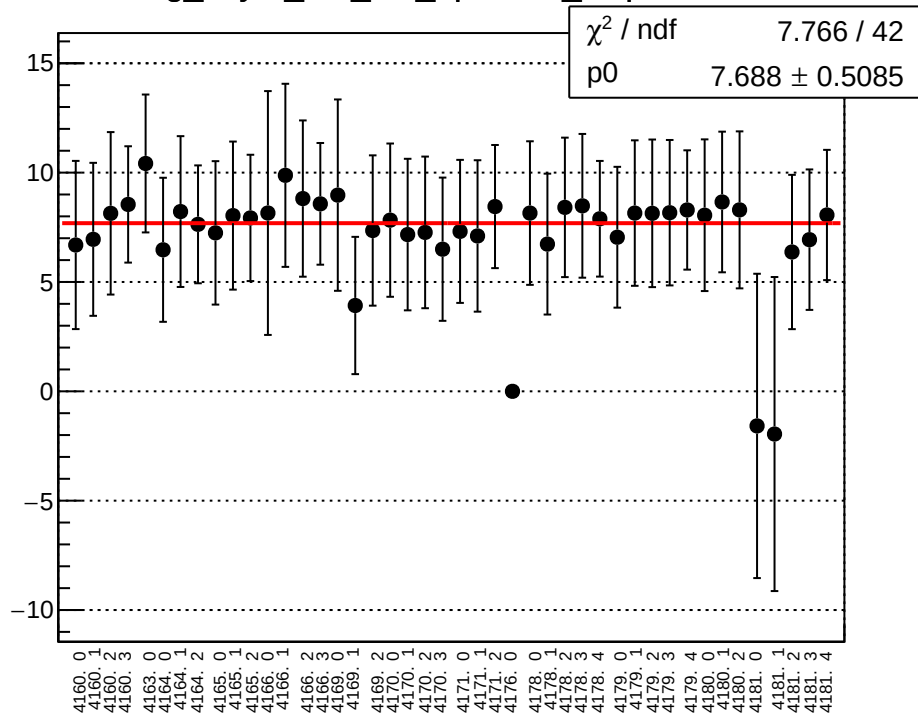
### reg\_asym\_usl\_diff\_bpm11X\_slope vs run



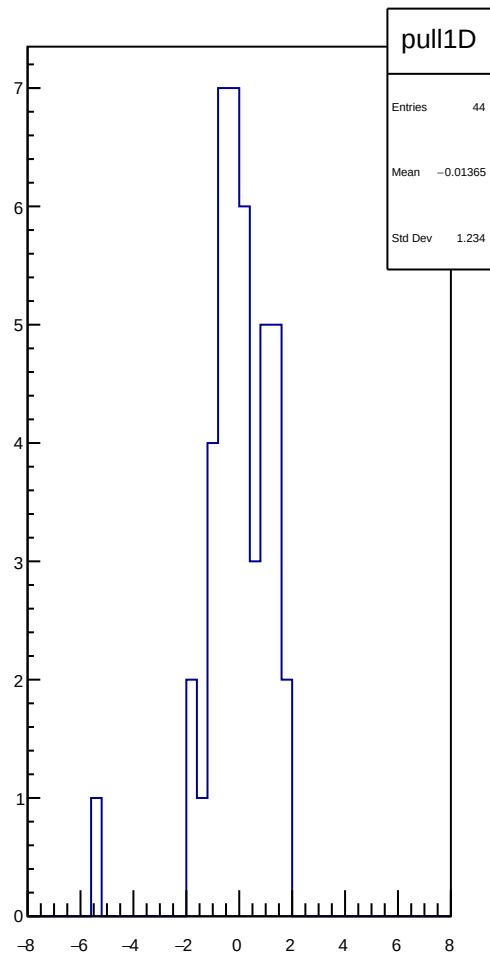
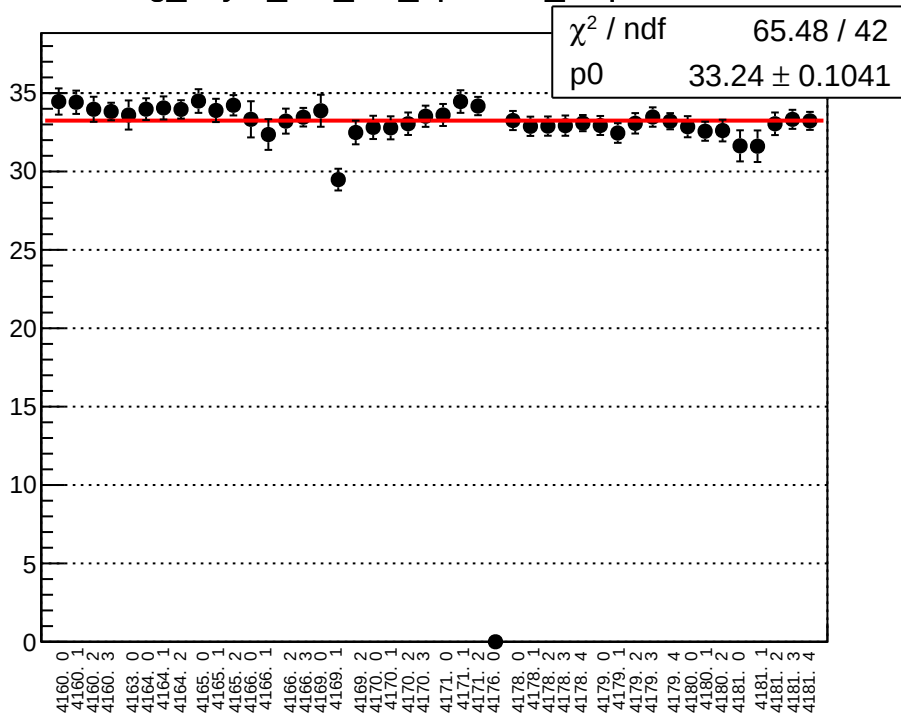
reg\_asym\_usr\_diff\_bpm4aX\_slope vs run



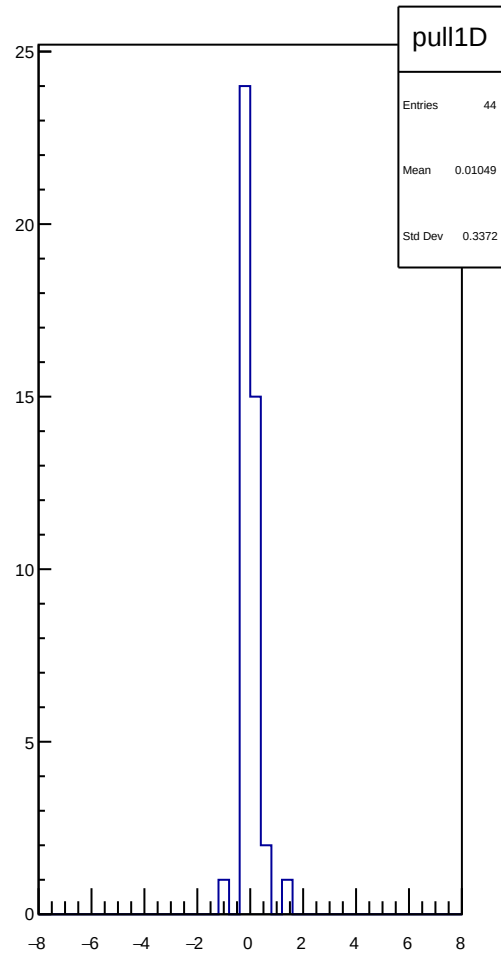
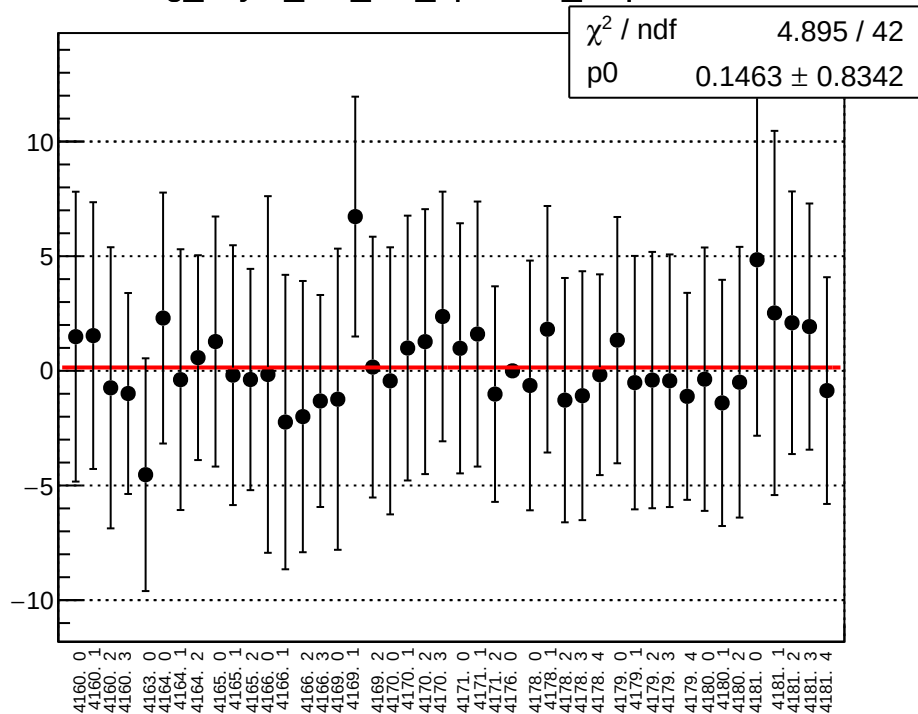
reg\_asym\_usr\_diff\_bpm4aY\_slope vs run



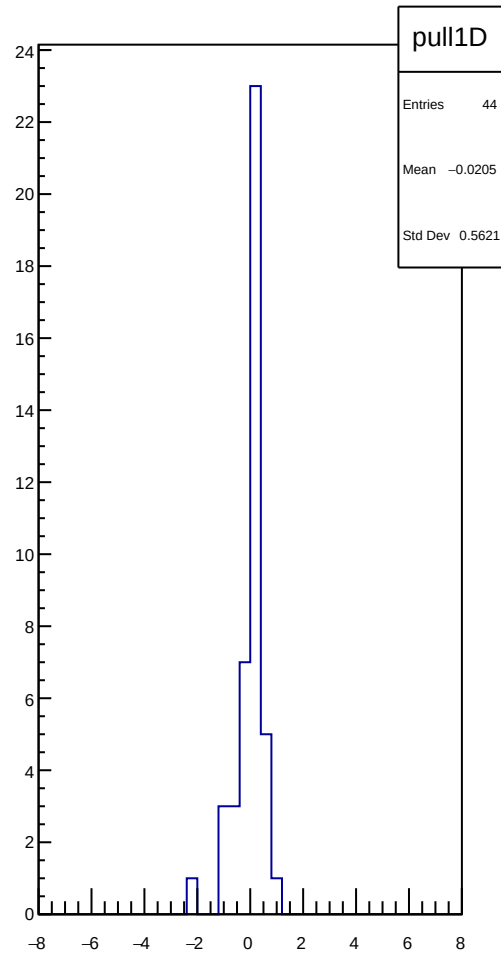
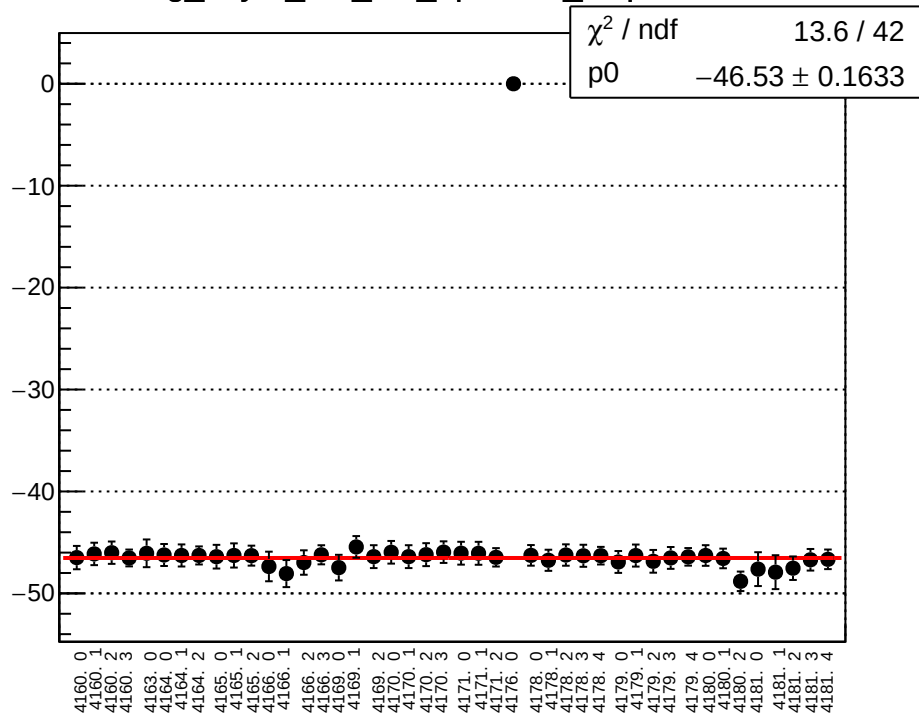
reg\_asym\_usr\_diff\_bpm4eX\_slope vs run



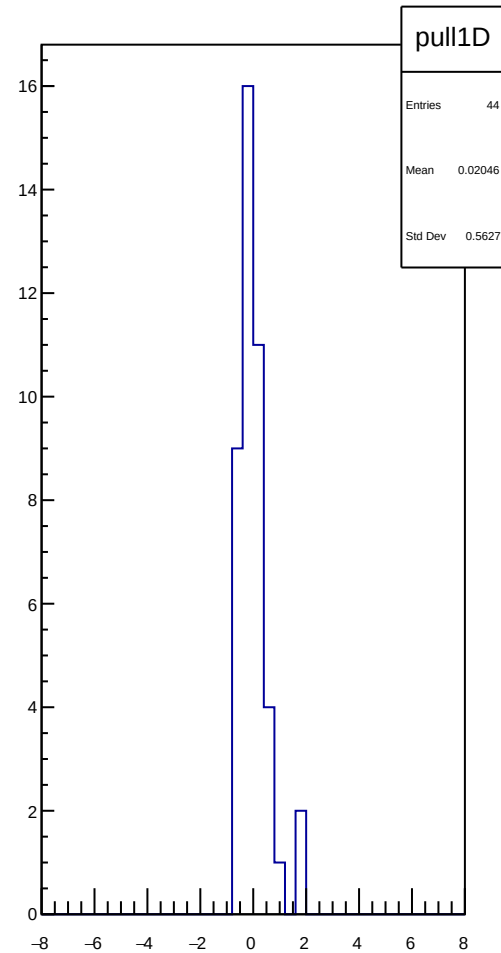
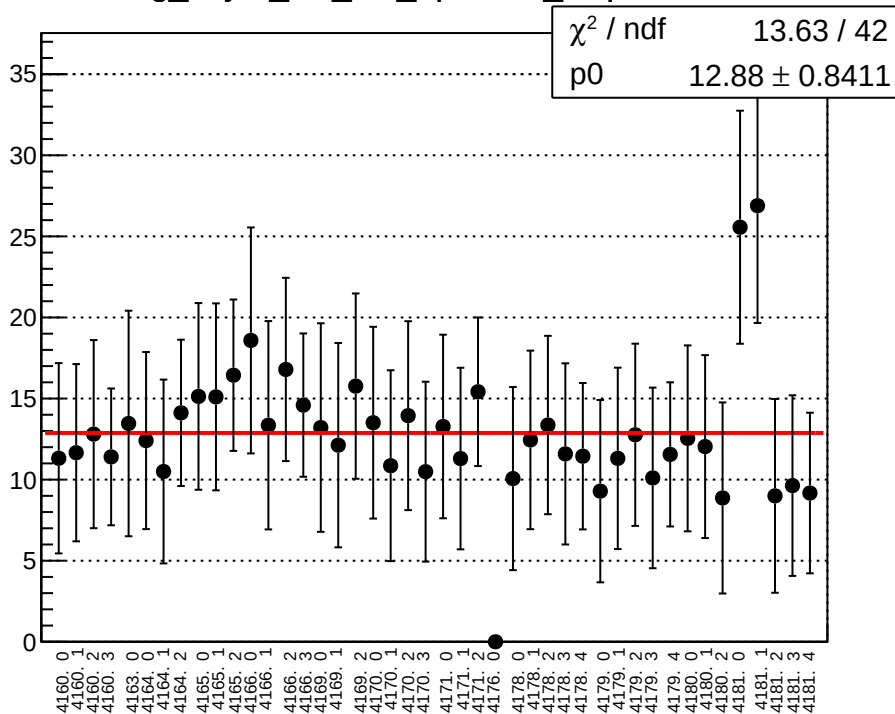
reg\_asym\_usr\_diff\_bpm4eY\_slope vs run



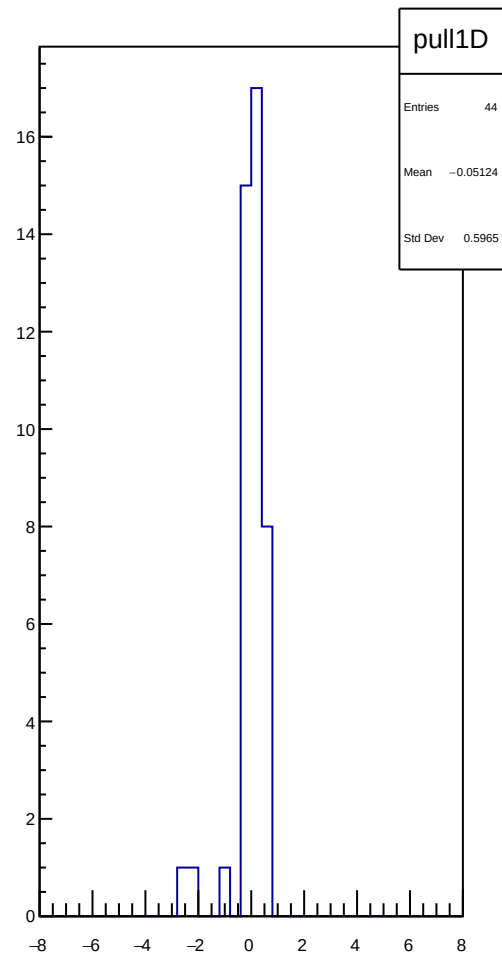
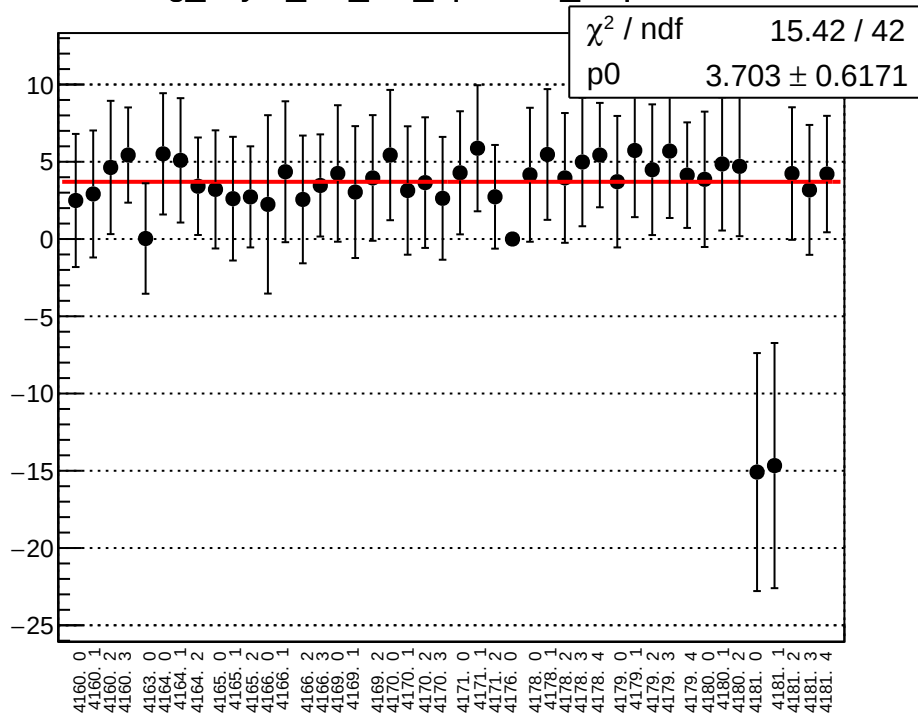
reg\_asym\_usr\_diff\_bpm11X\_slope vs run



reg\_asym\_dsl\_diff\_bpm4aX\_slope vs run

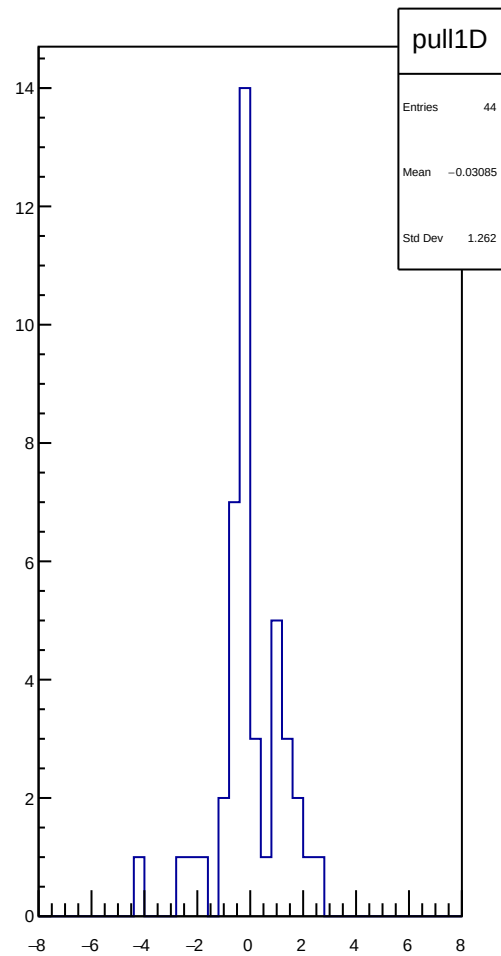
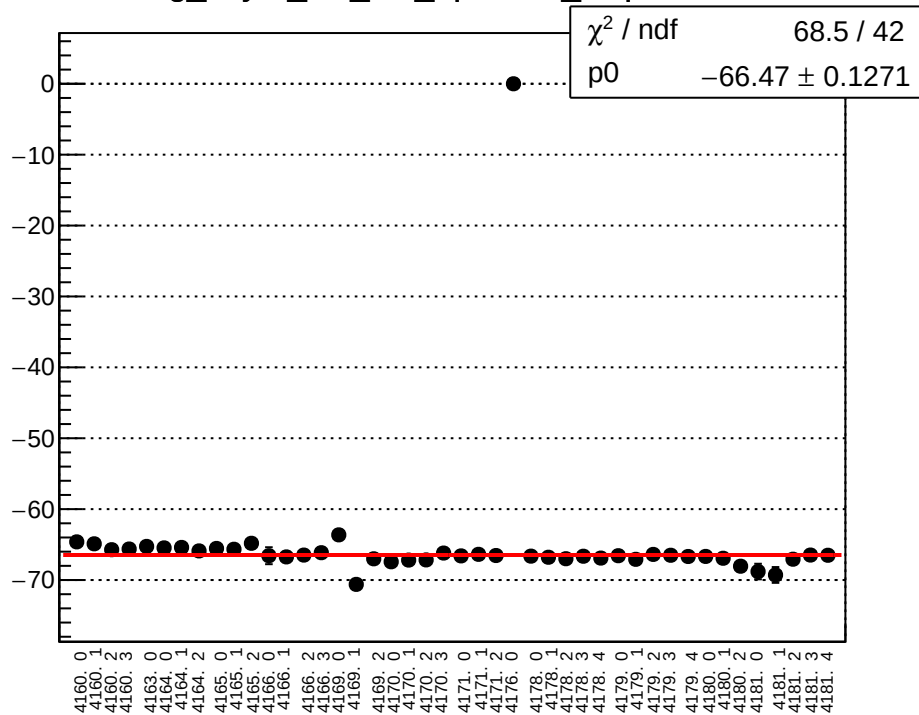


reg\_asym\_dsl\_diff\_bpm4aY\_slope vs run

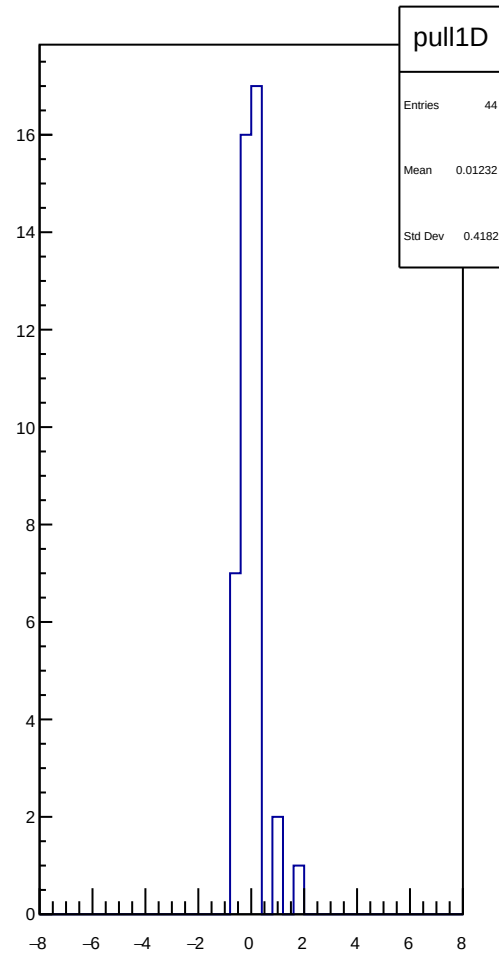
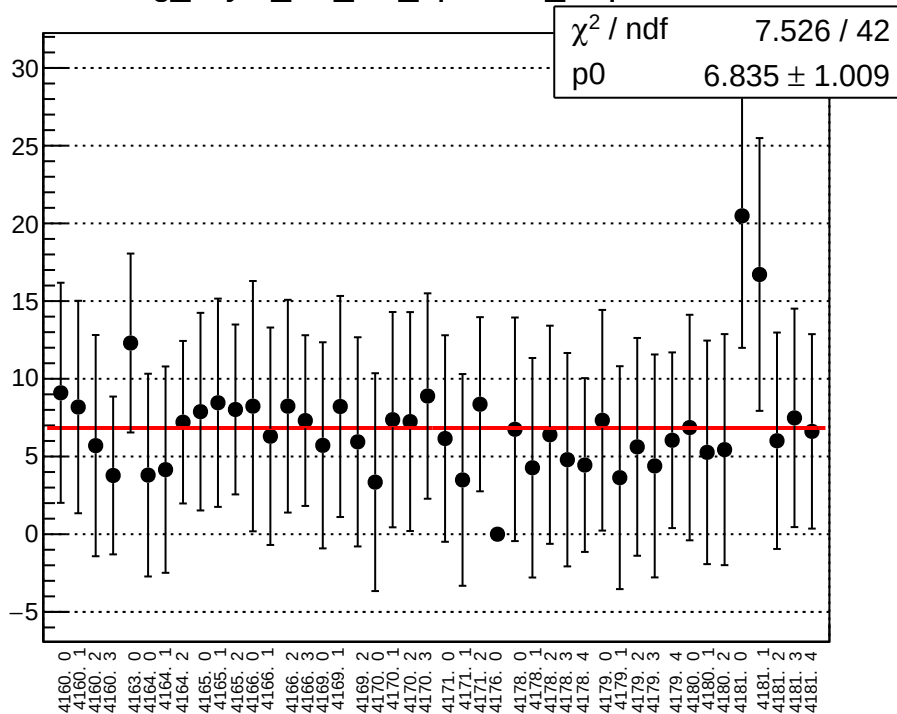




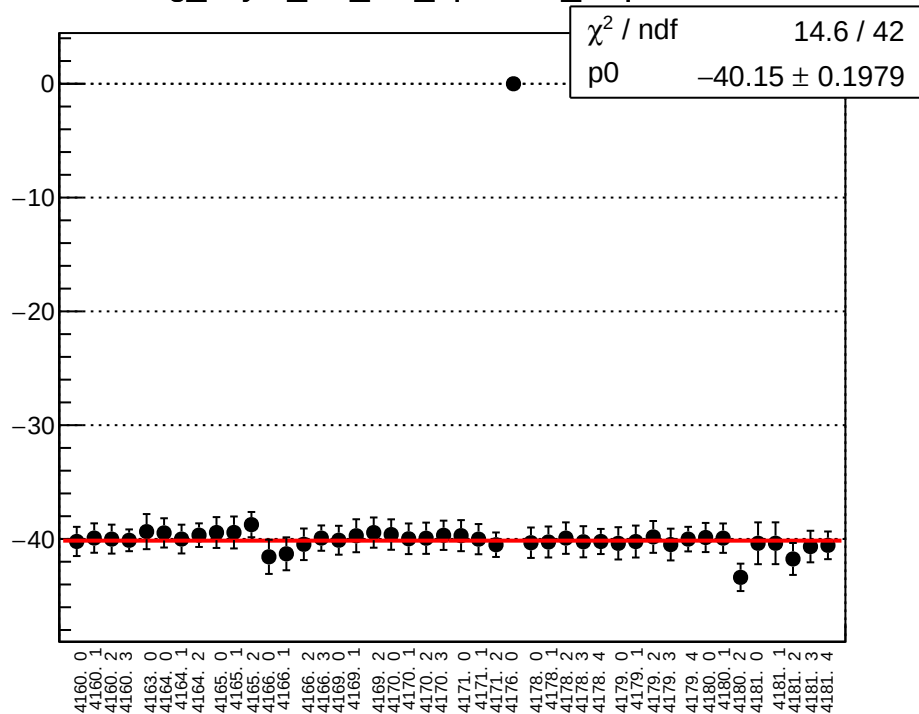
reg\_asym\_dsl\_diff\_bpm4eX\_slope vs run



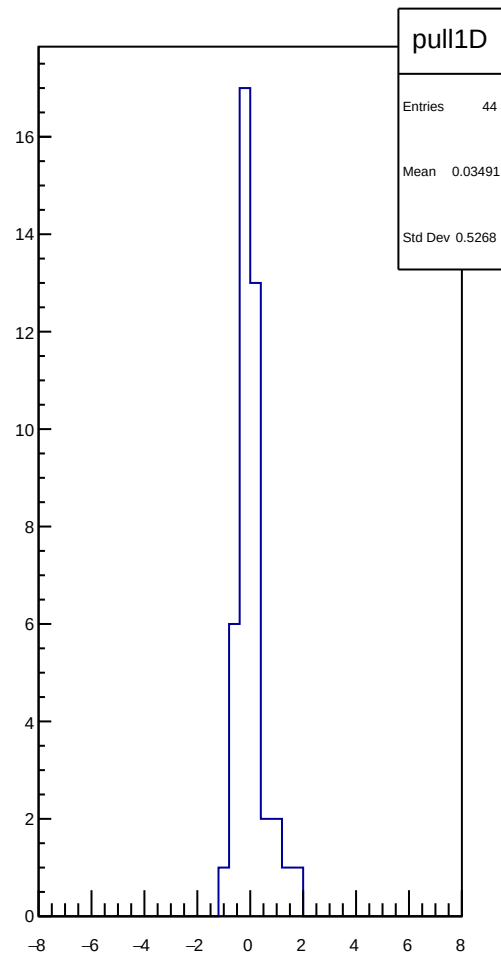
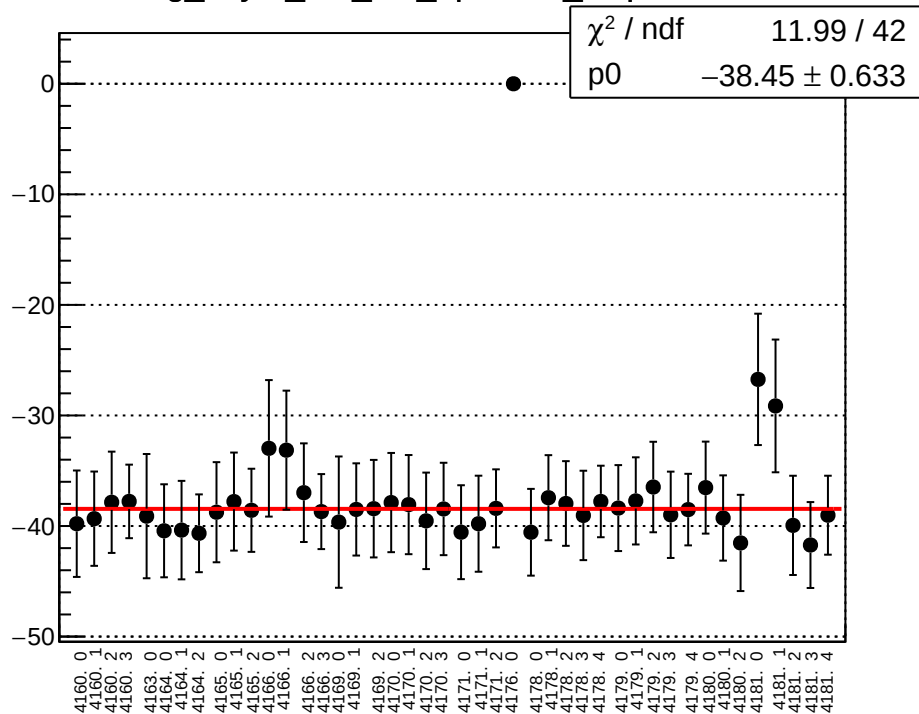
reg\_asym\_dsl\_diff\_bpm4eY\_slope vs run



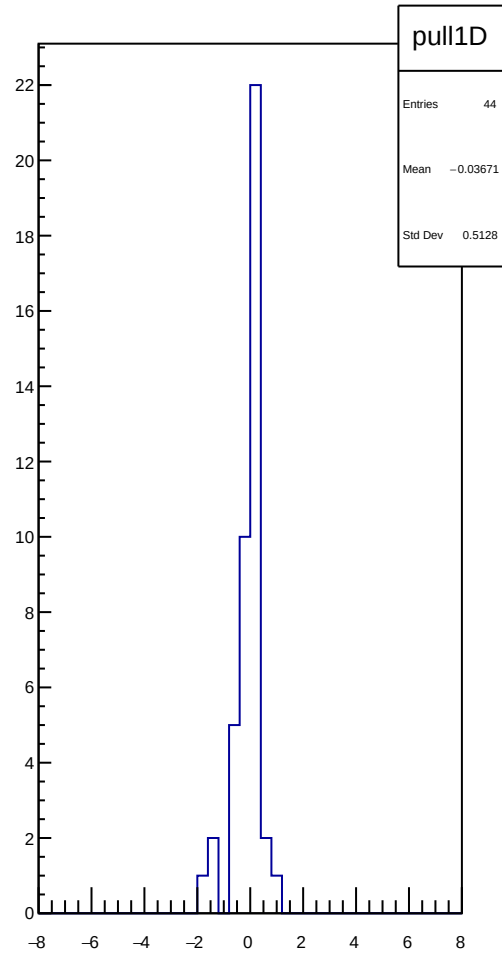
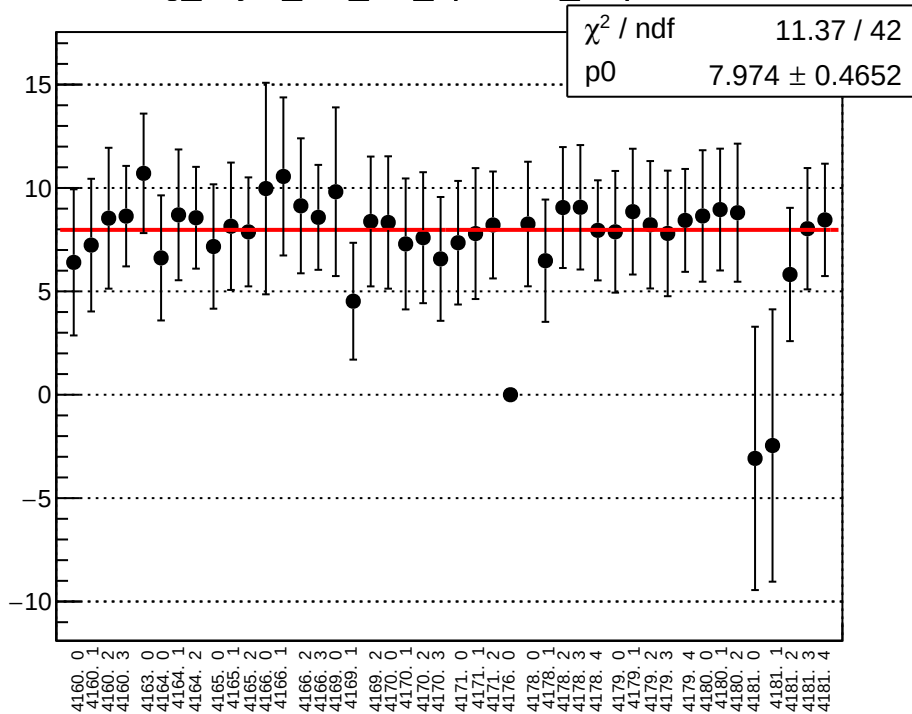
reg\_asym\_dsl\_diff\_bpm11X\_slope vs run



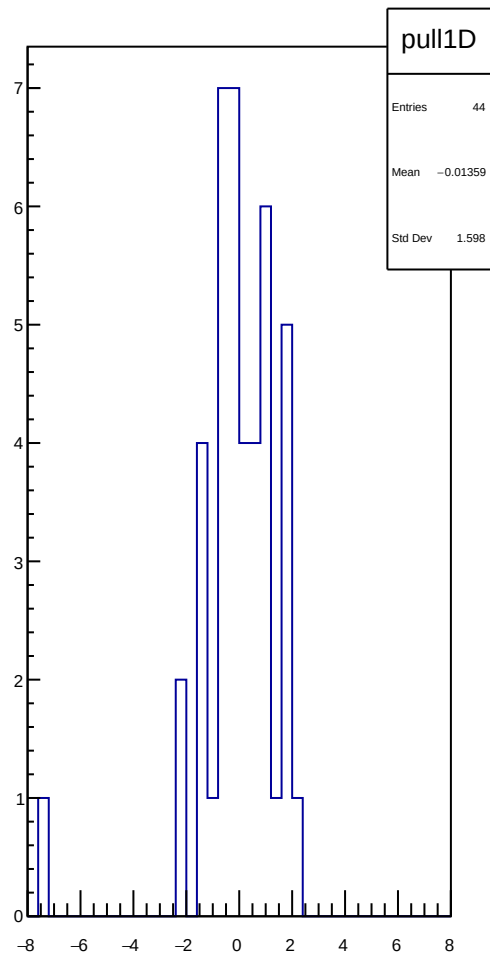
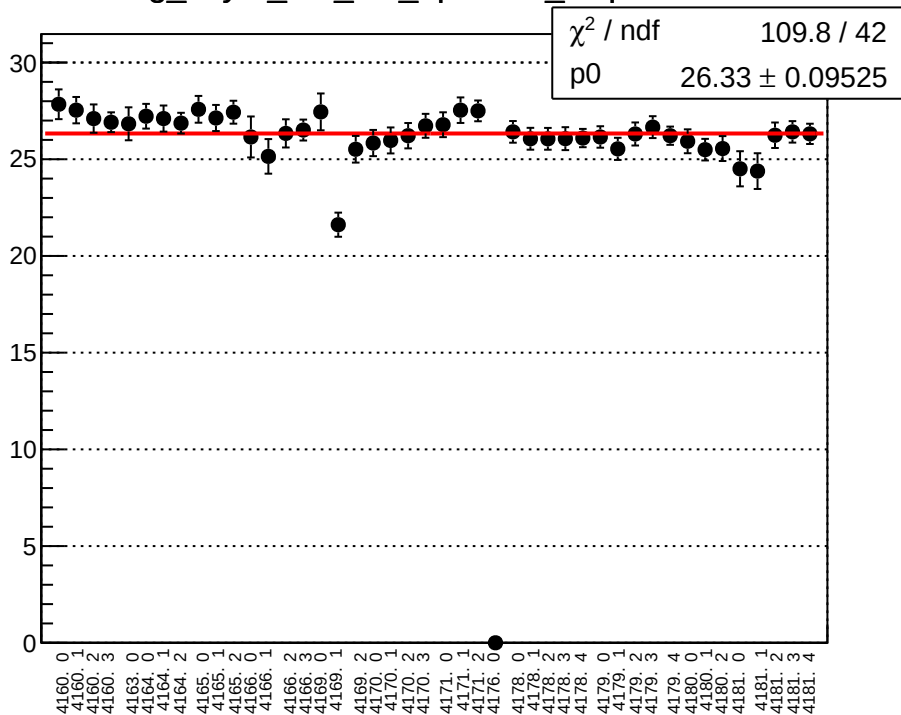
reg\_asym\_dsr\_diff\_bpm4aX\_slope vs run



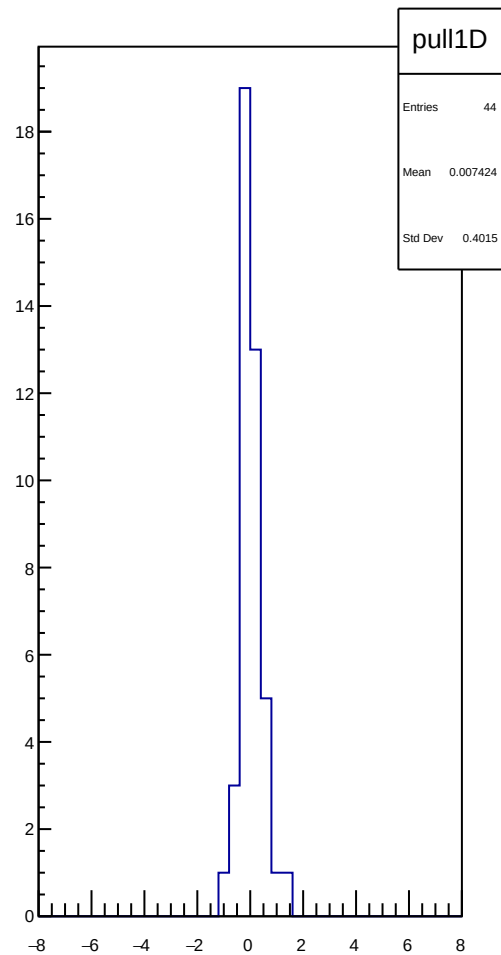
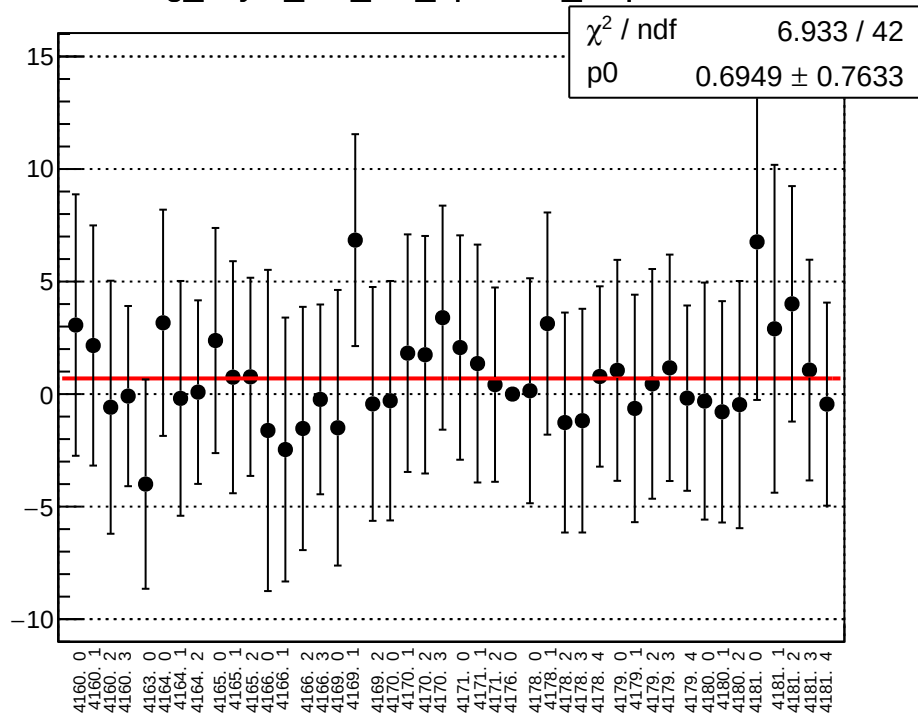
reg\_asym\_dsr\_diff\_bpm4aY\_slope vs run



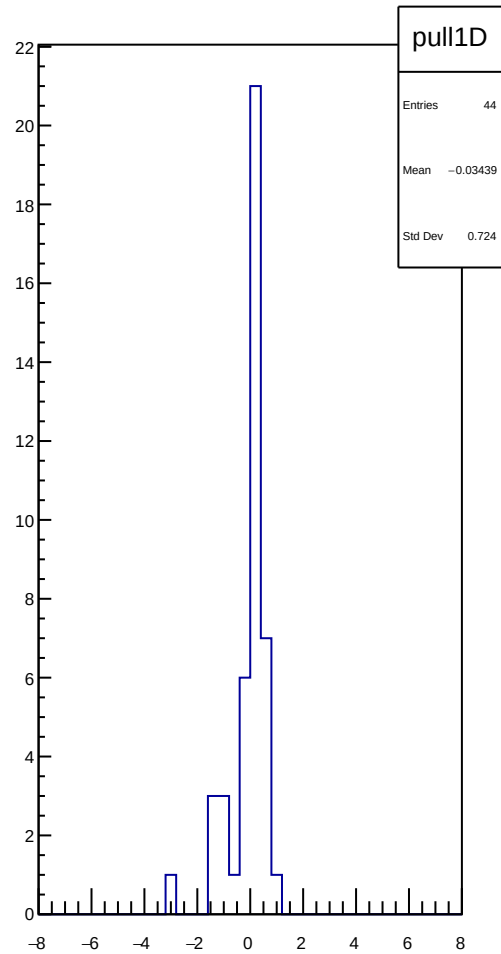
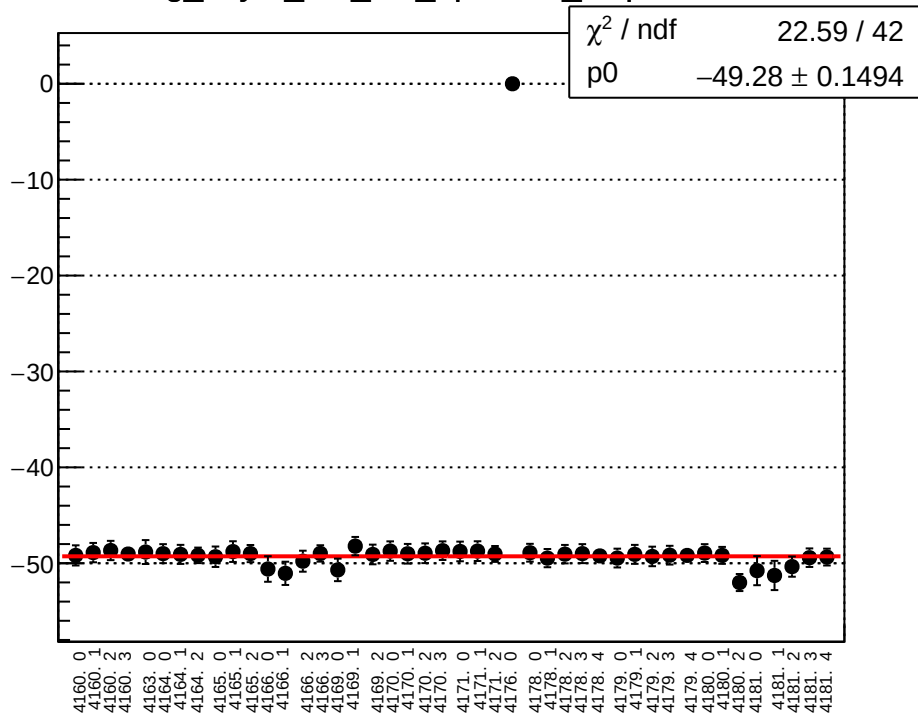
reg\_asym\_dsr\_diff\_bpm4eX\_slope vs run



reg\_asym\_dsr\_diff\_bpm4eY\_slope vs run

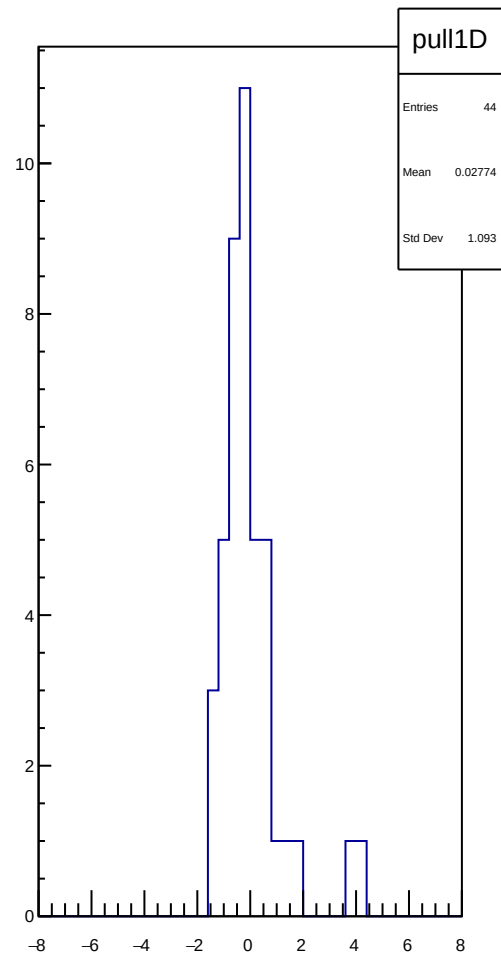
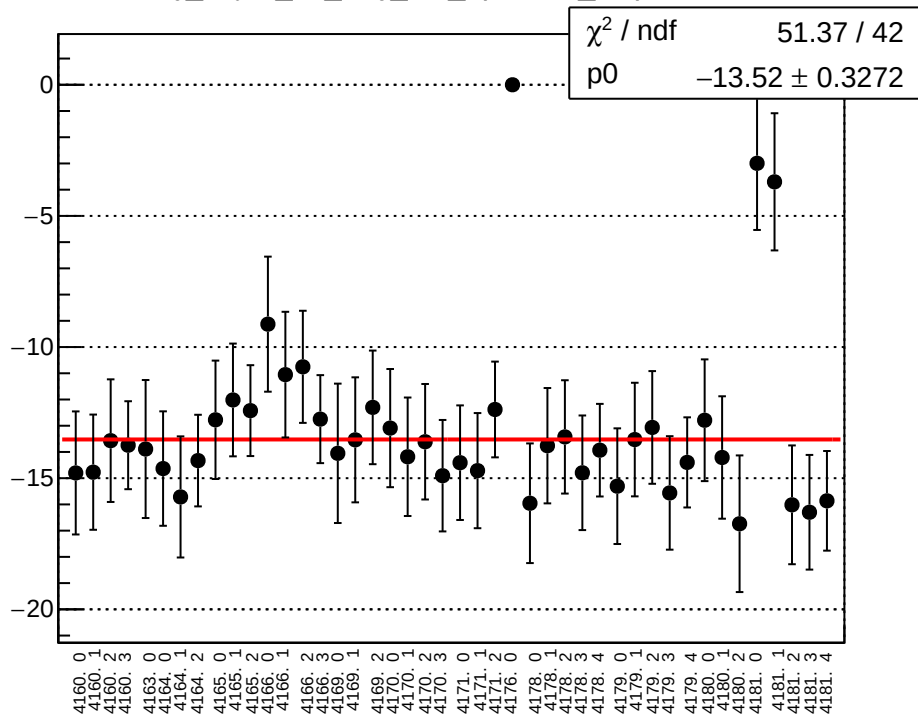


reg\_asym\_dsr\_diff\_bpm11X\_slope vs run

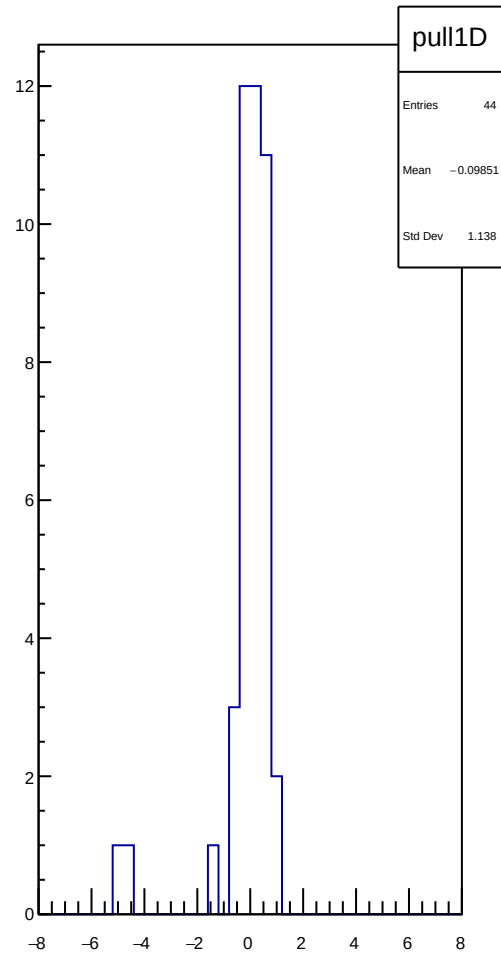
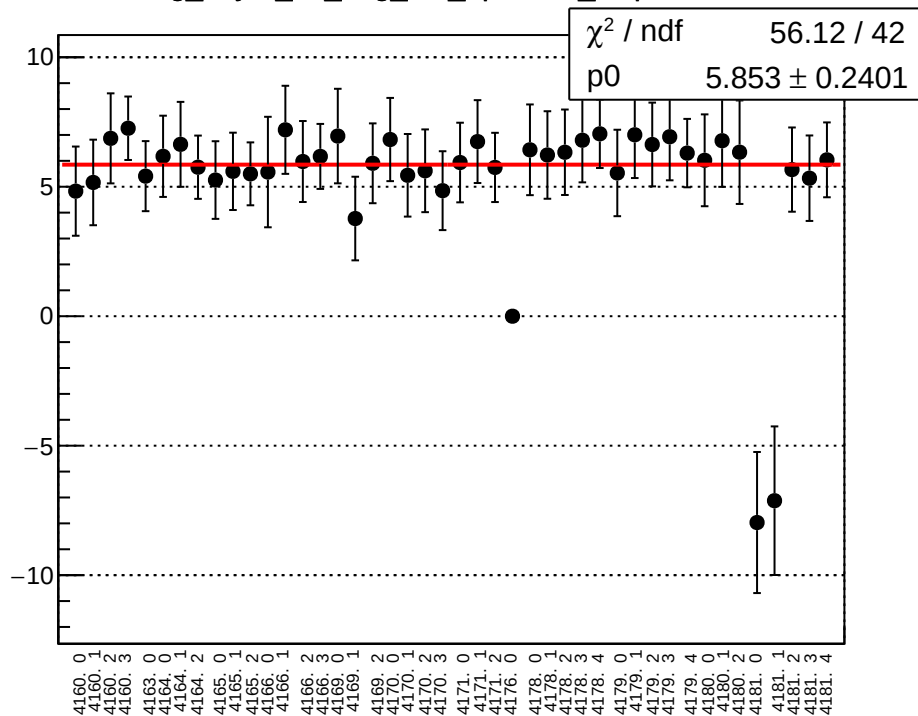




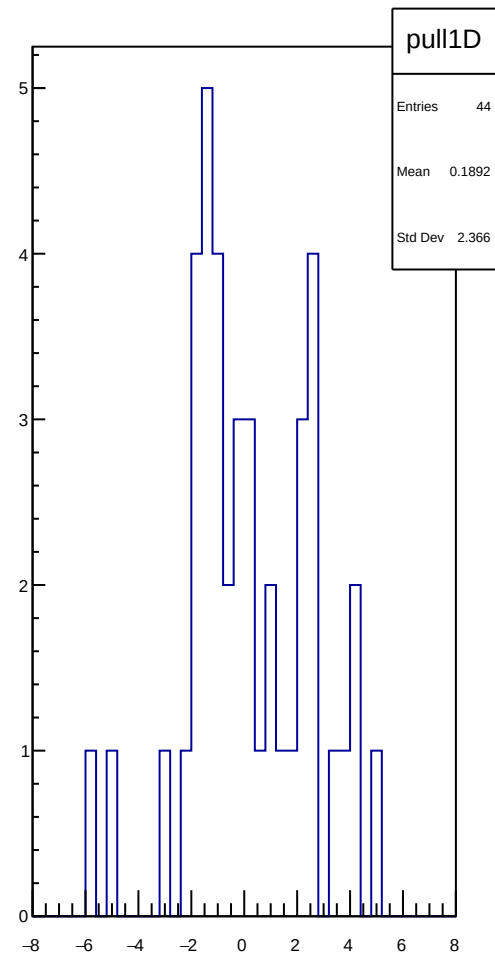
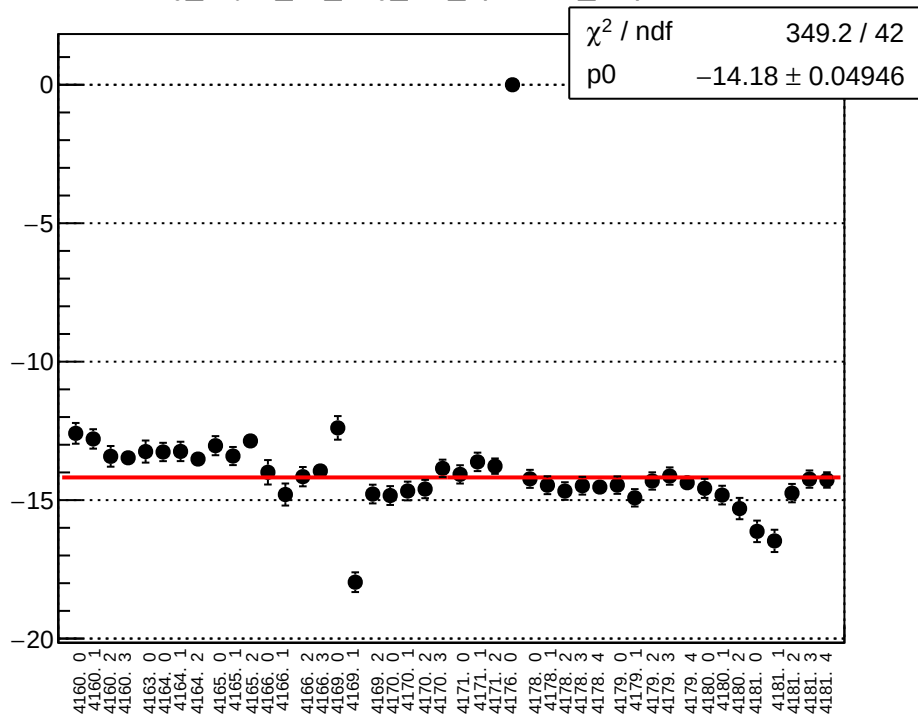
reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs run



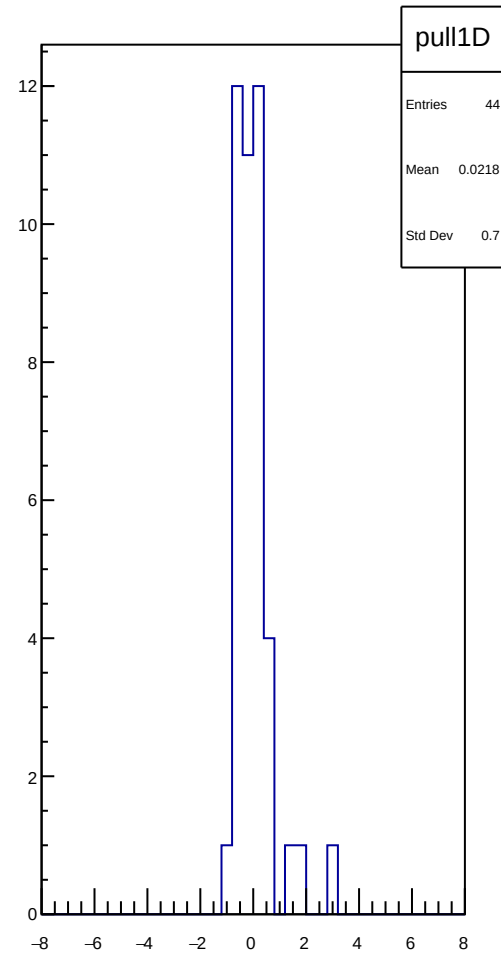
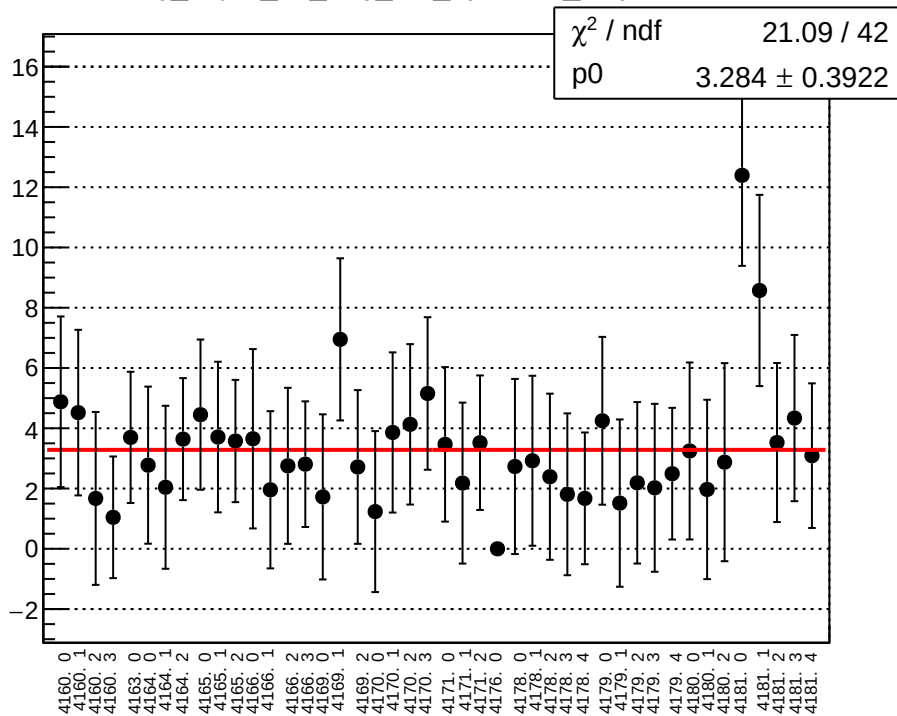
reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs run



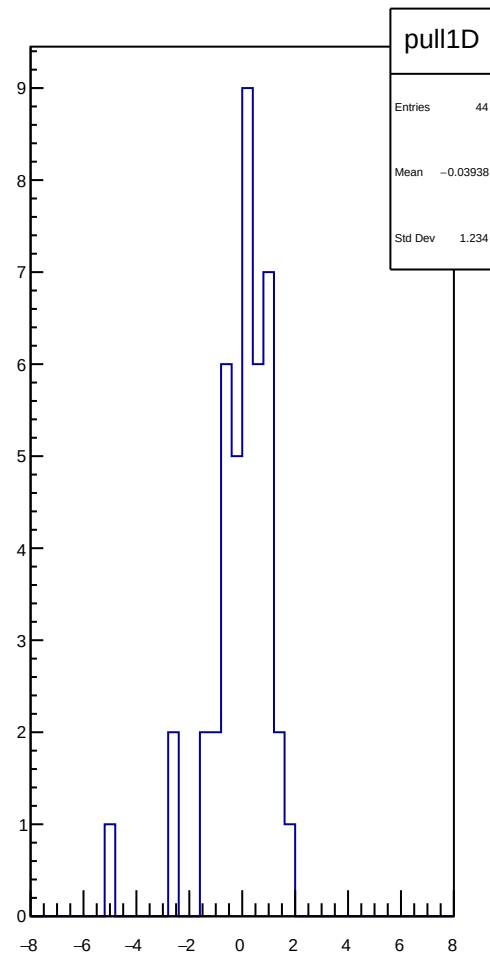
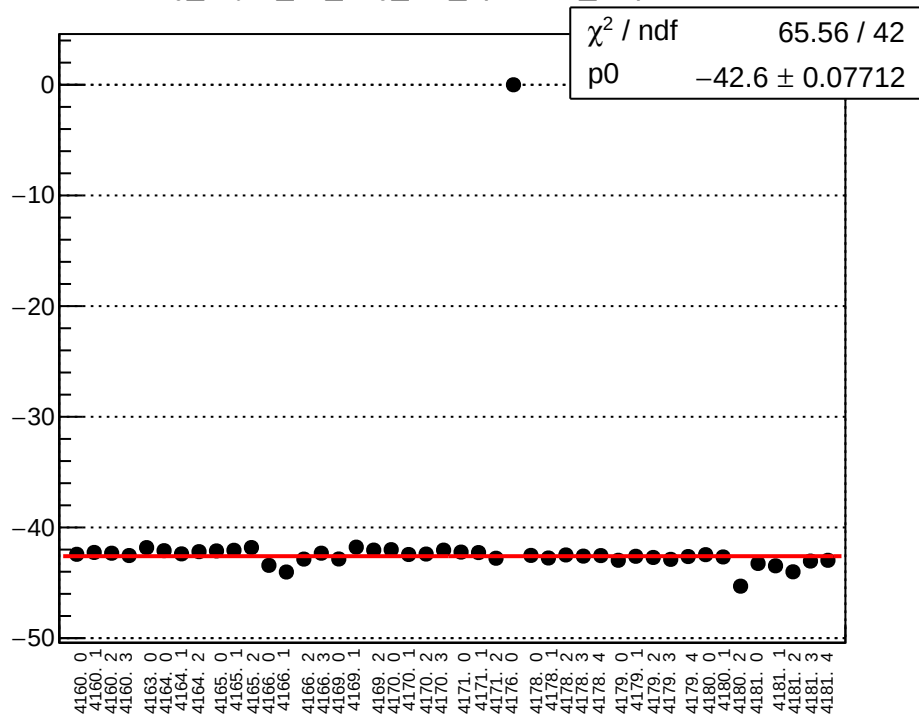
reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs run



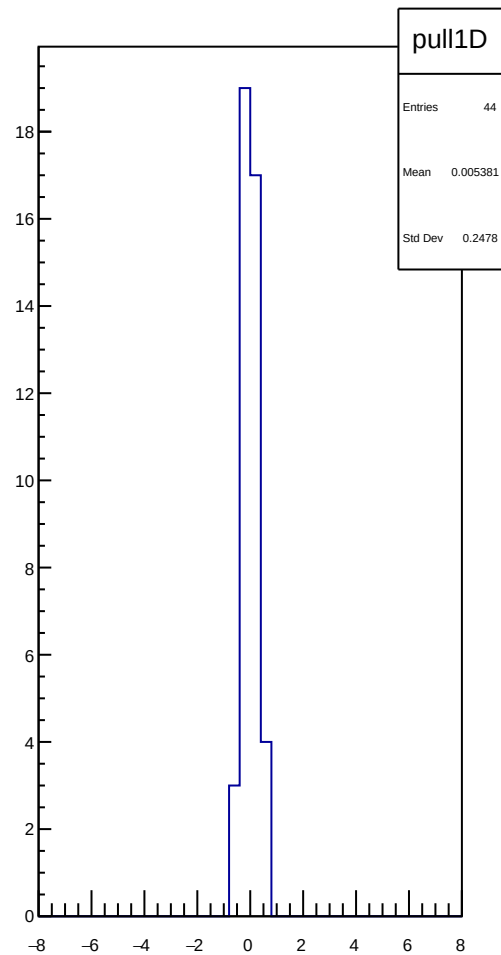
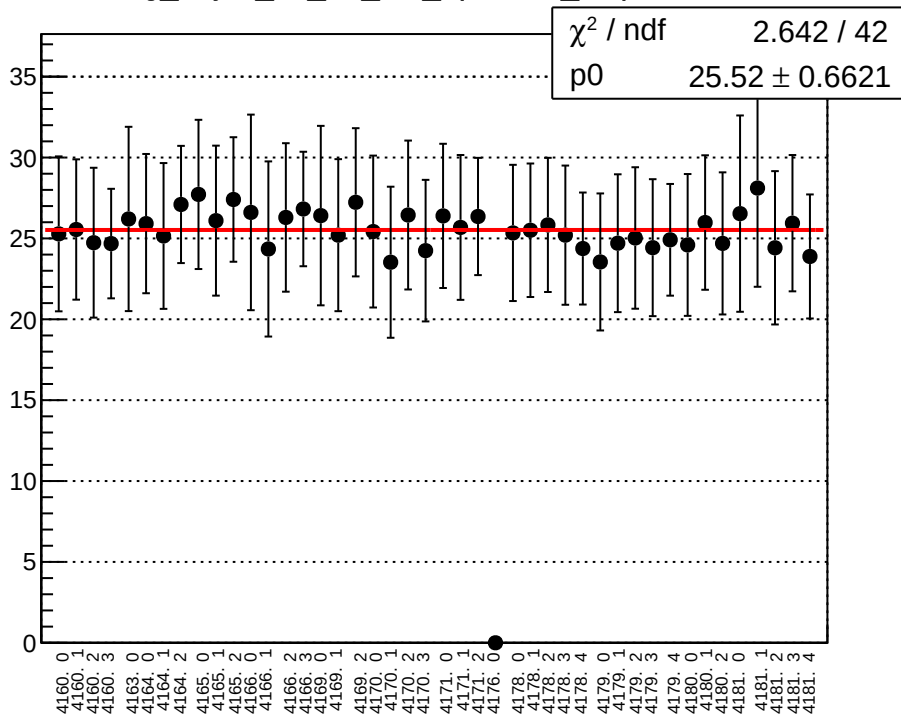
reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs run



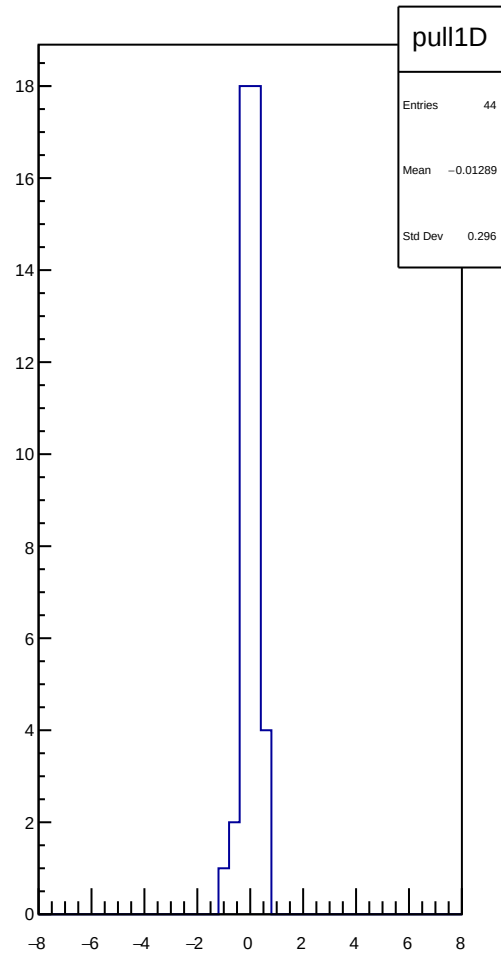
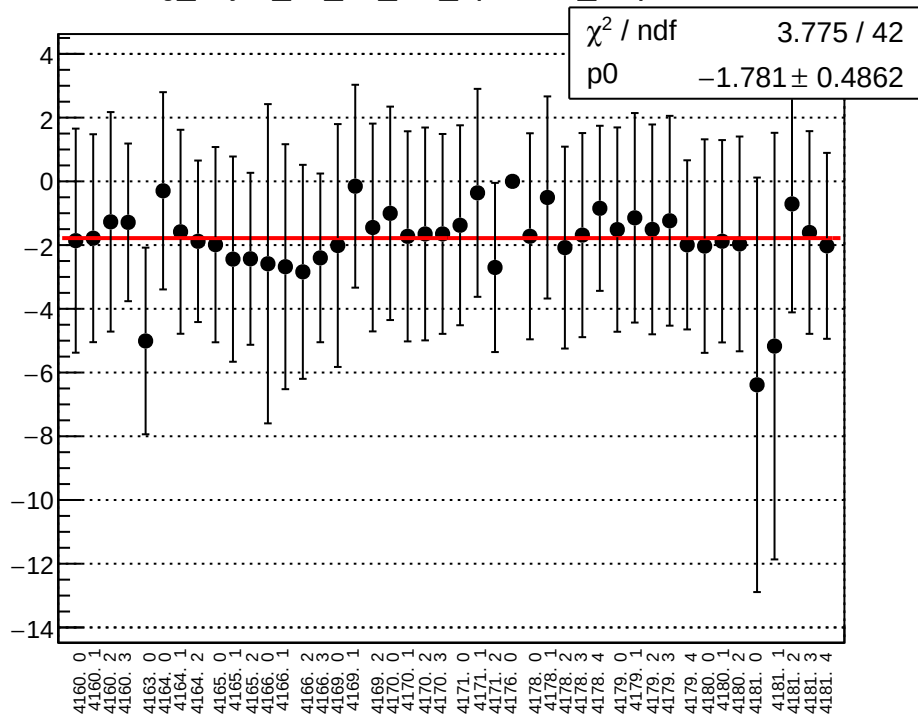
reg\_asym\_us\_avg\_diff\_bpm11X\_slope vs run



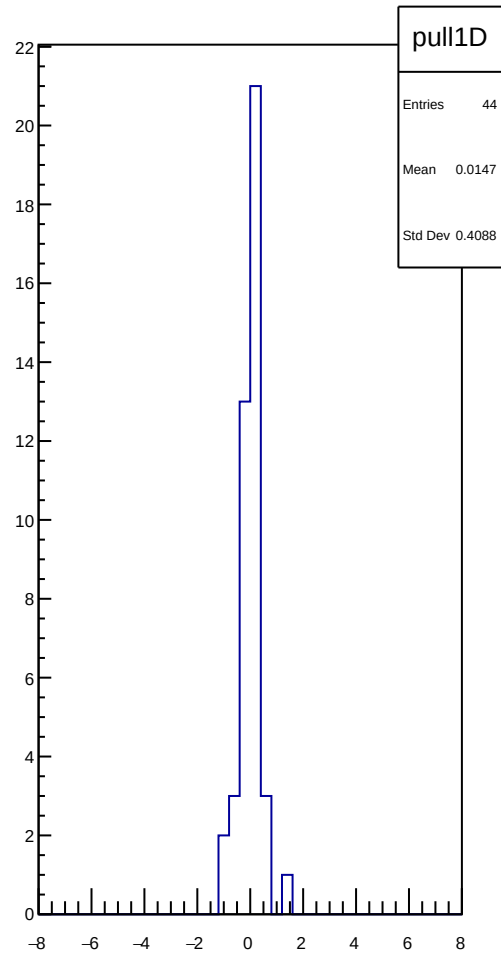
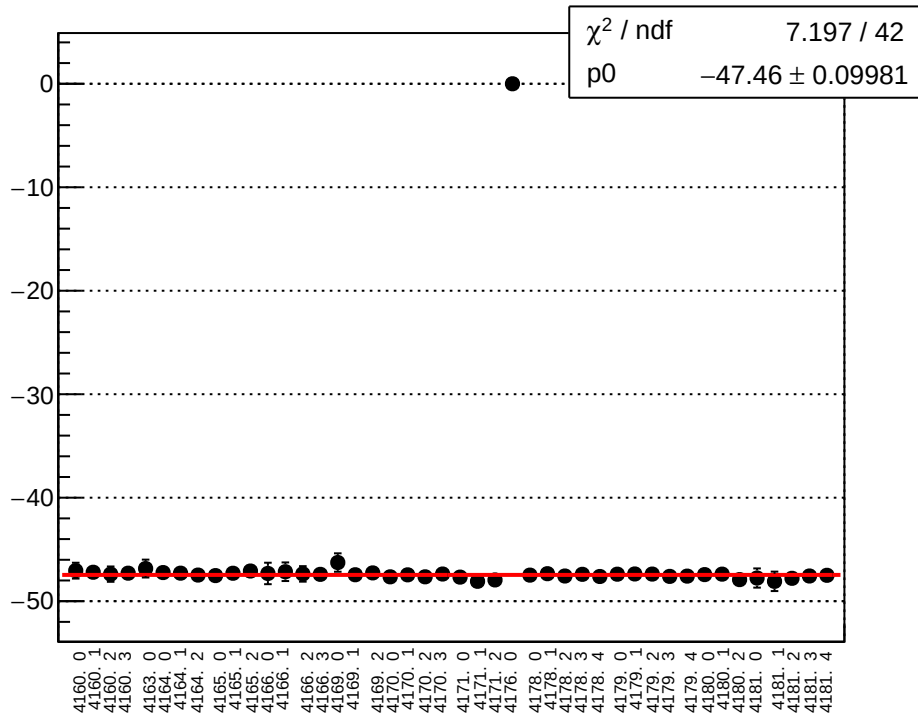
reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs run



reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs run

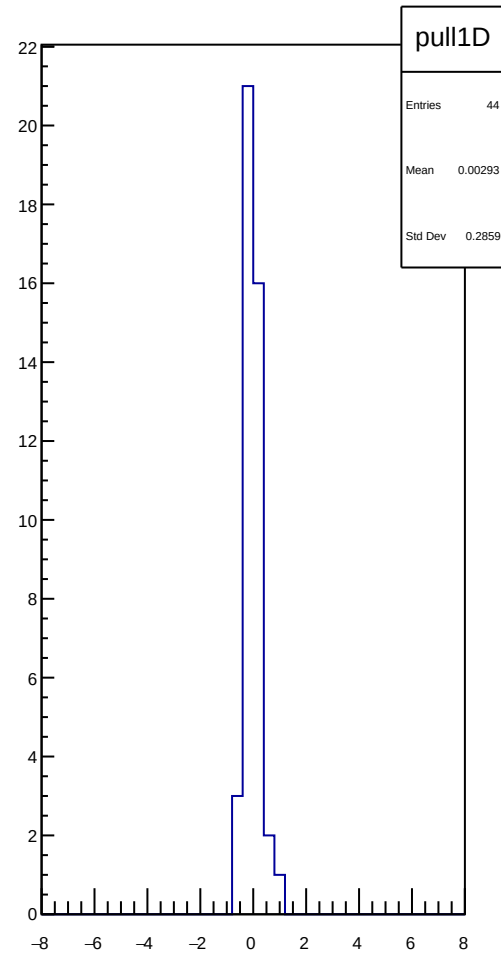
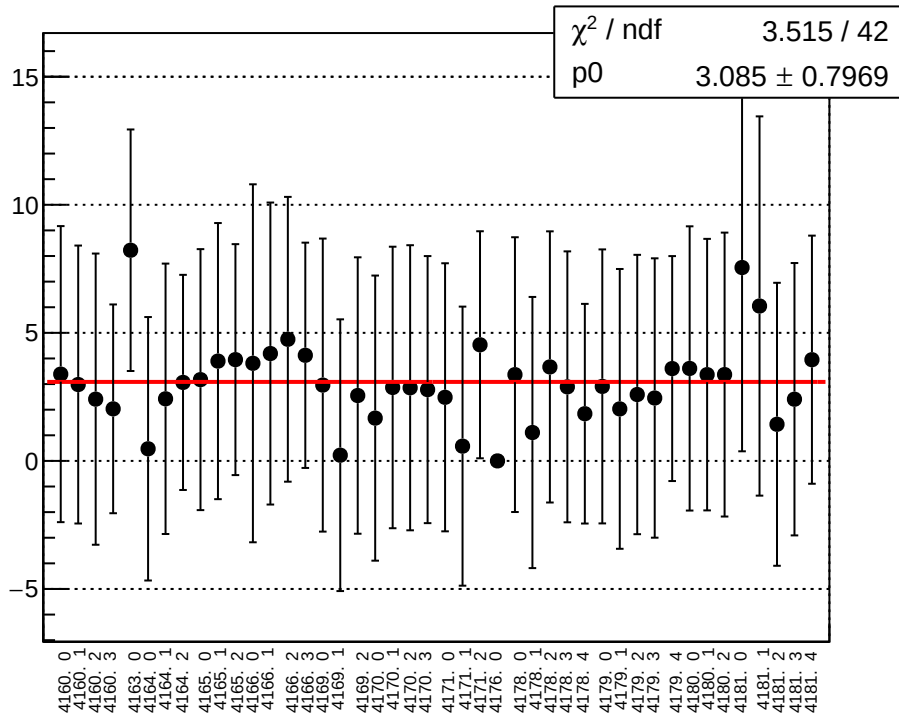


reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs run

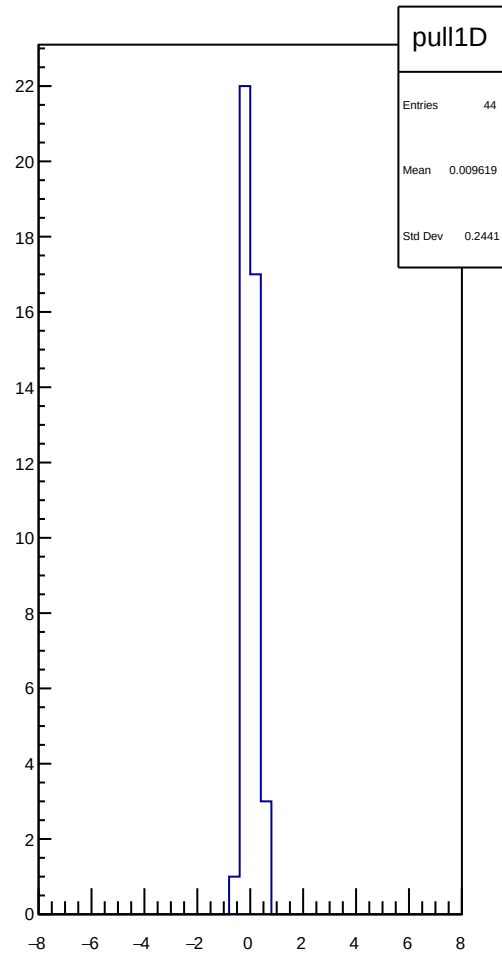
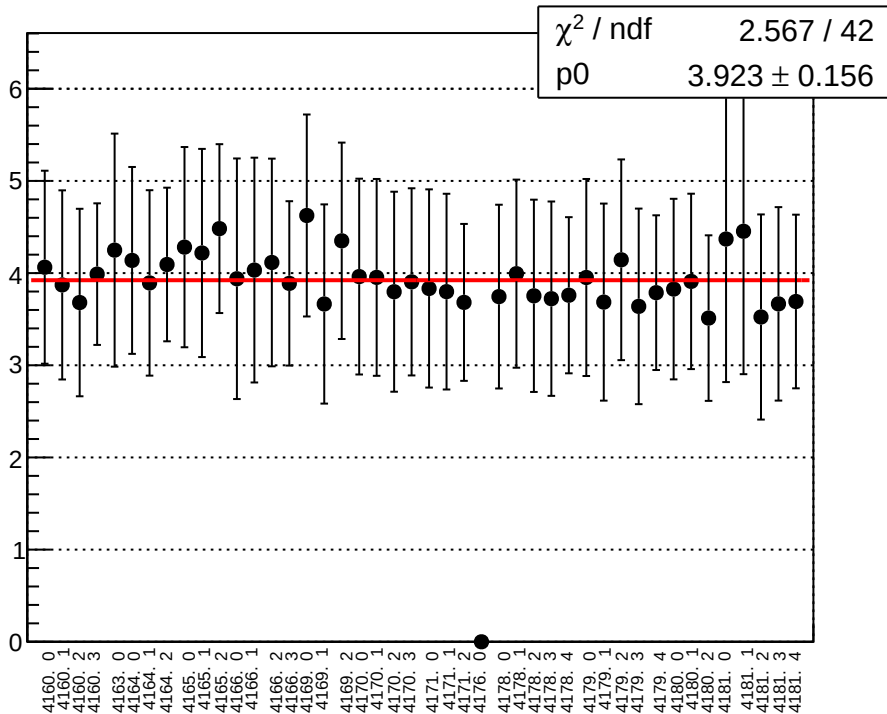




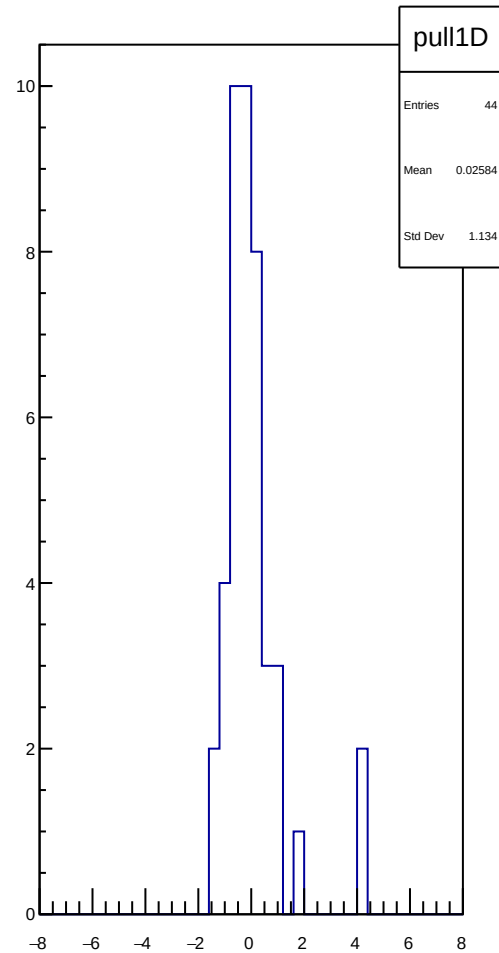
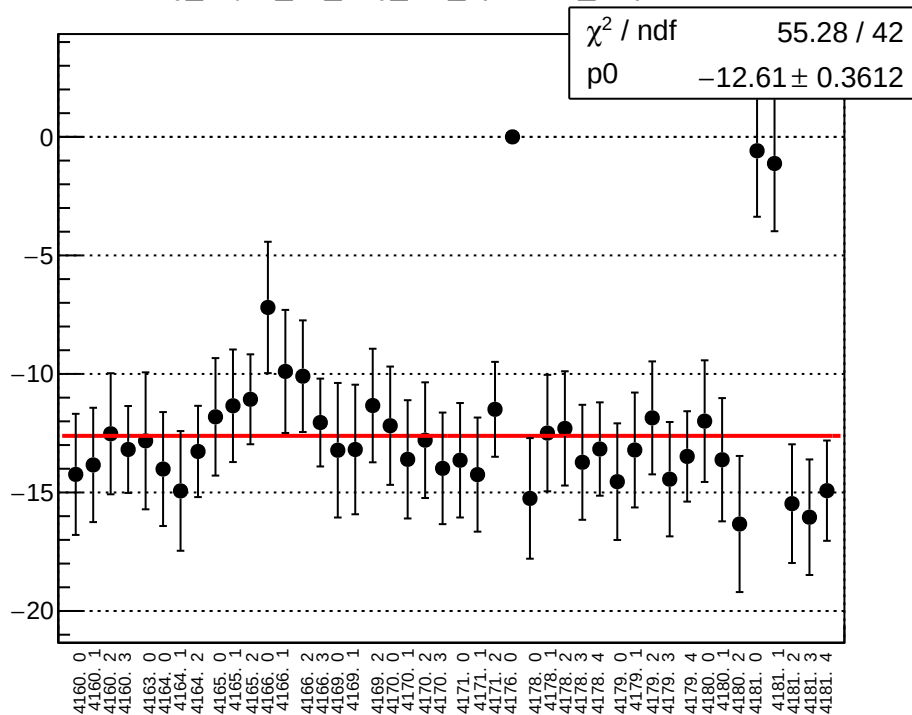
reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs run



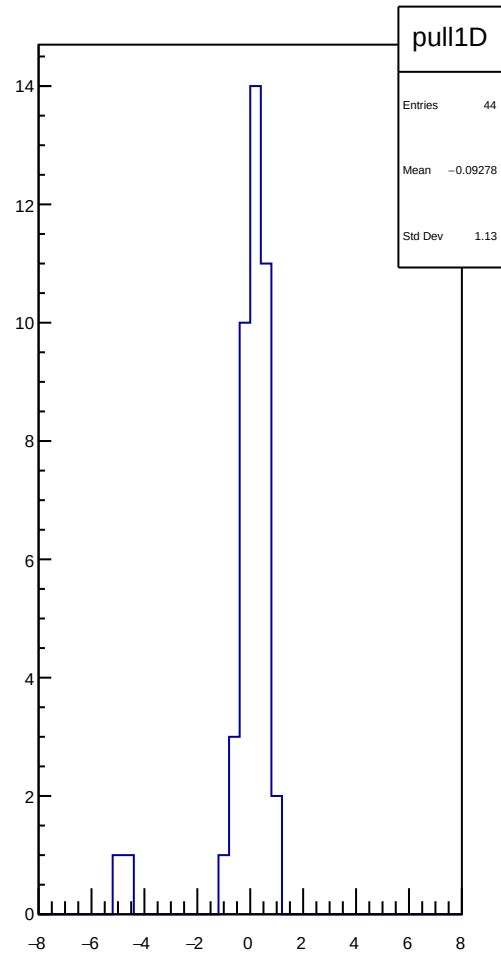
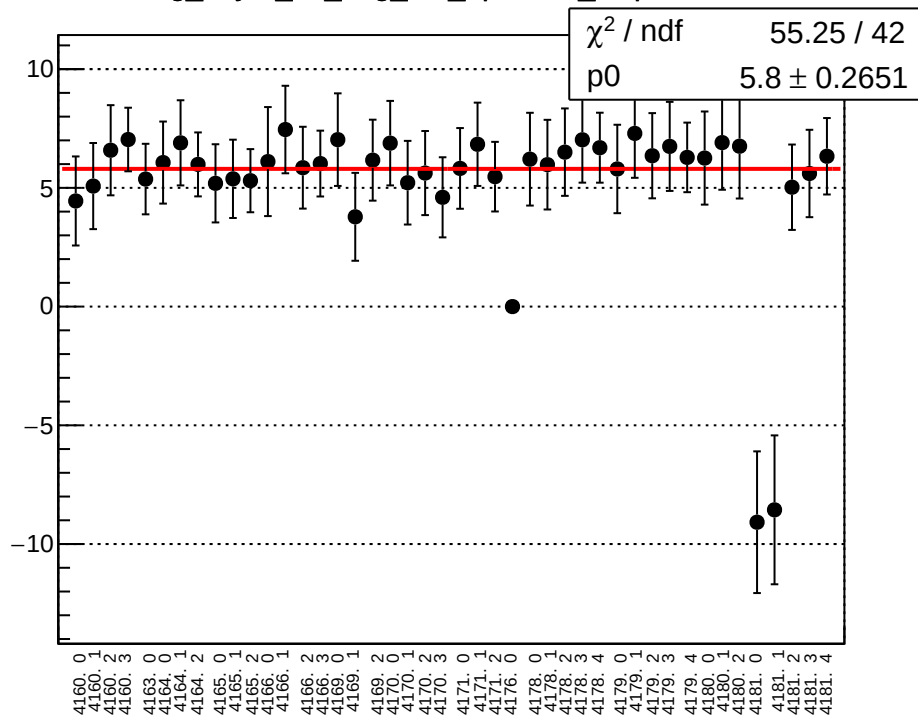
reg\_asym\_us\_dd\_diff\_bpm11X\_slope vs run



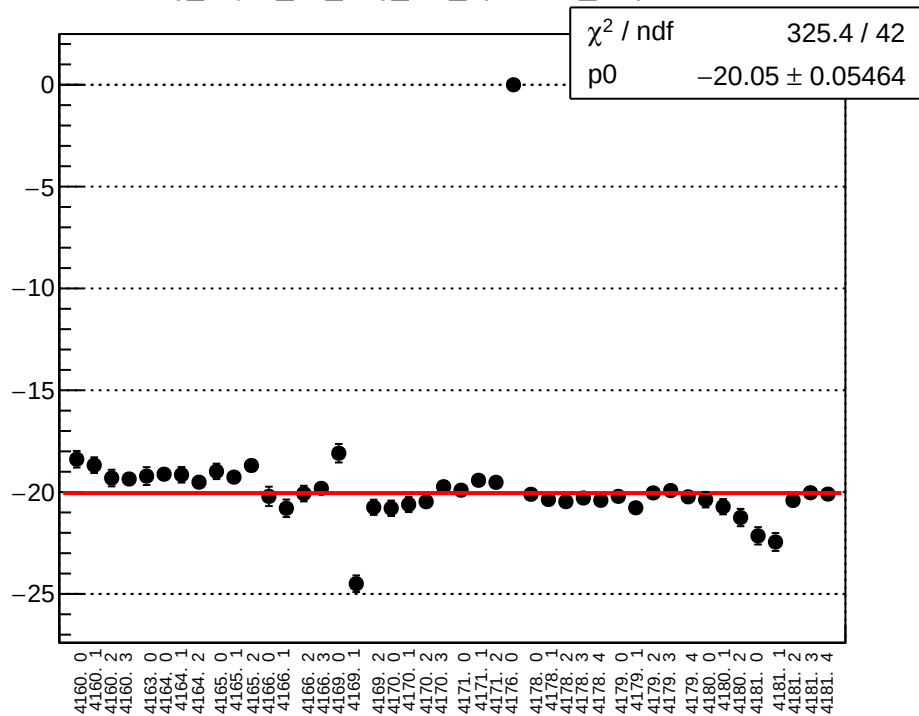
reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs run



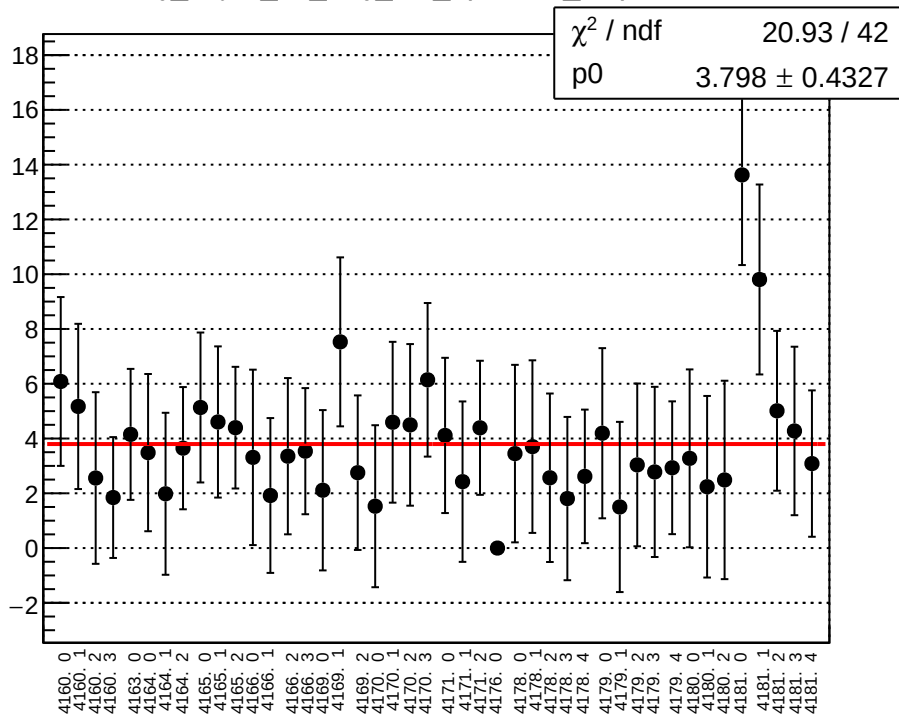
reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs run



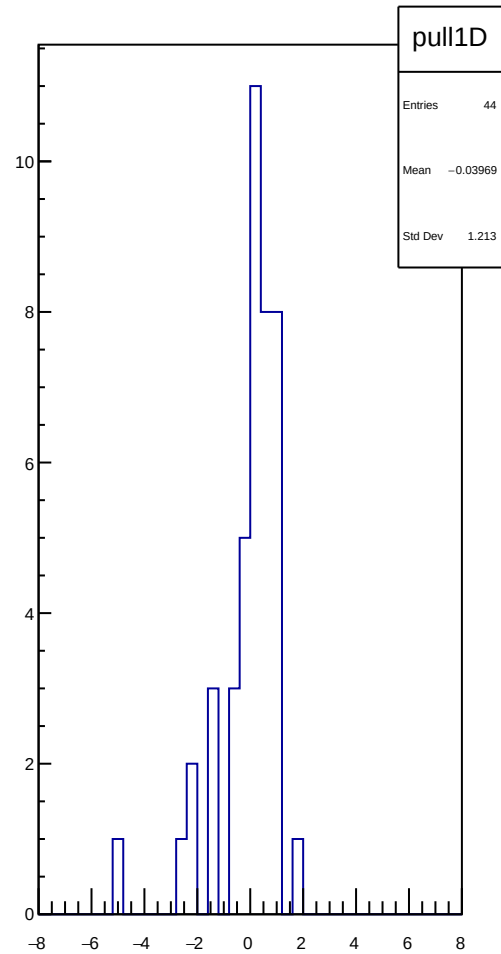
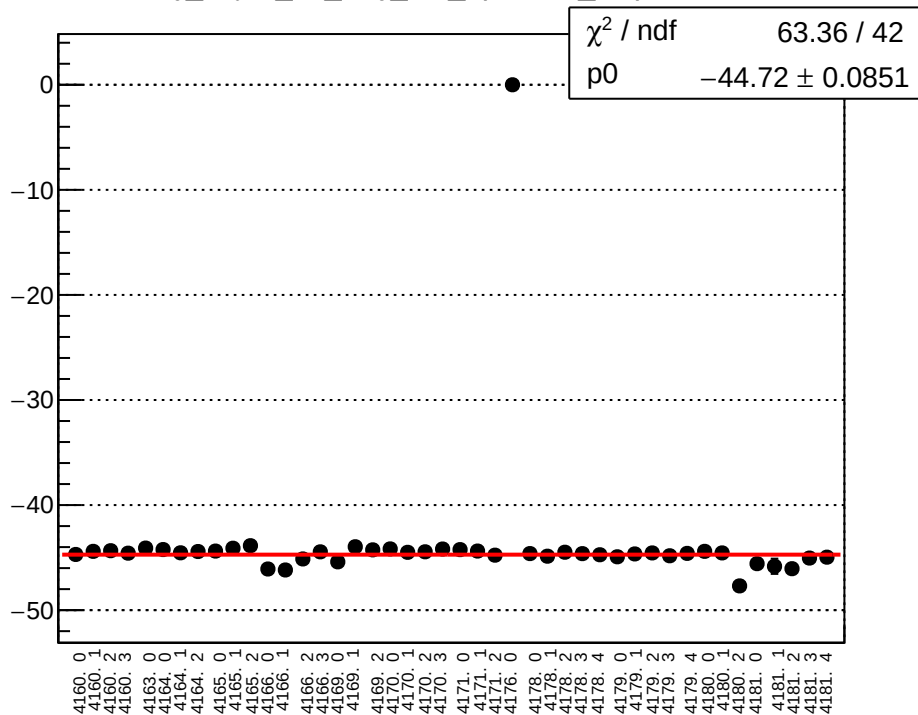
reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs run



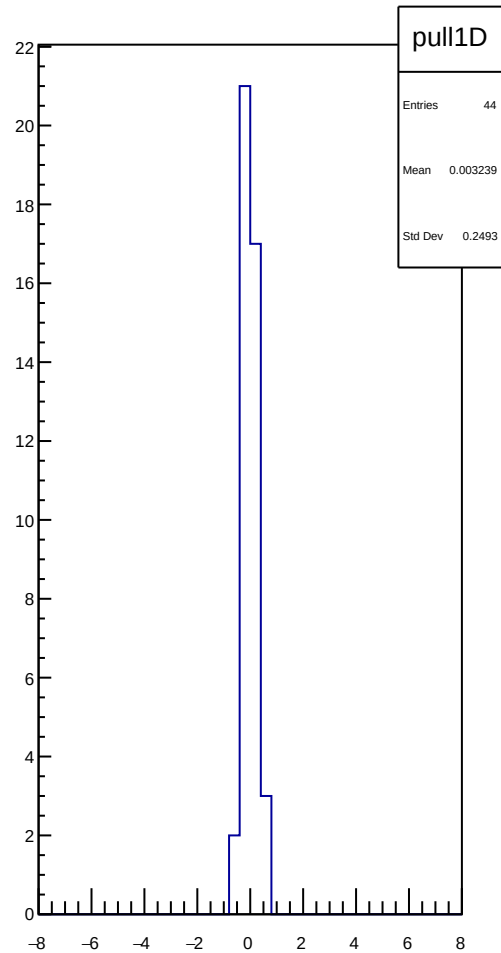
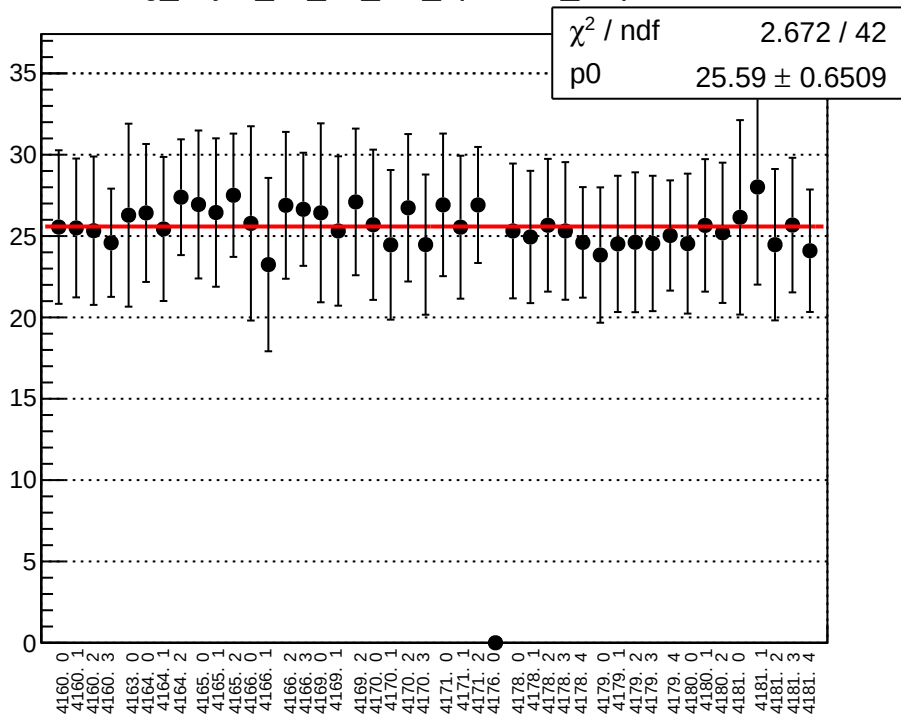
reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs run



reg\_asym\_ds\_avg\_diff\_bpm11X\_slope vs run

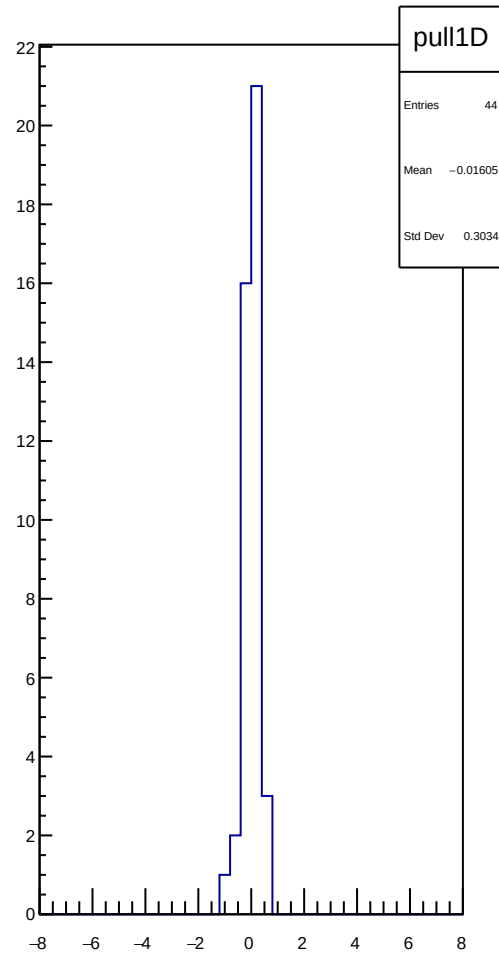
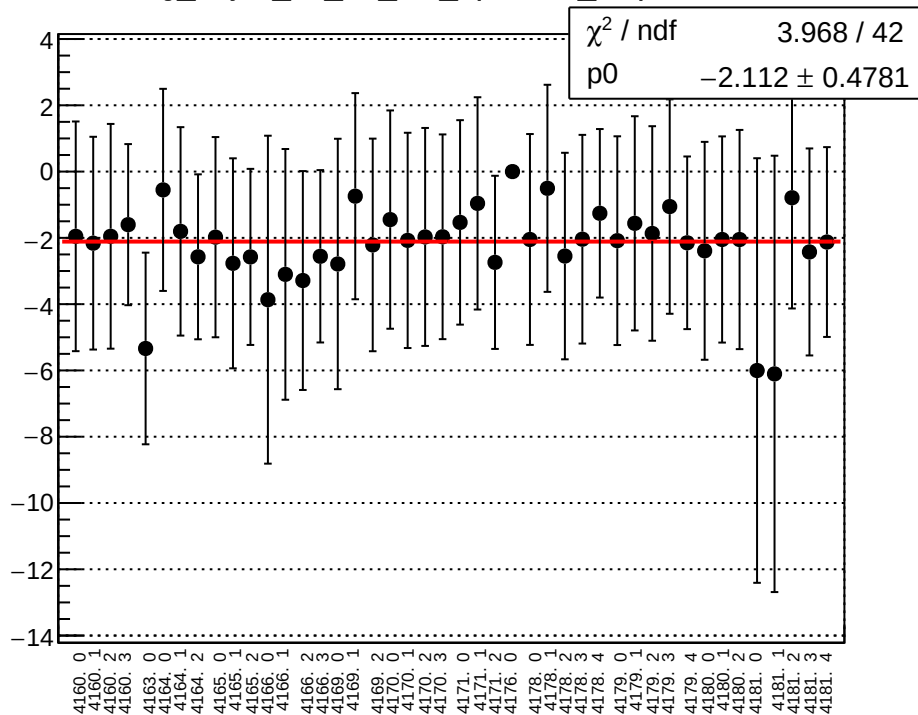


reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs run

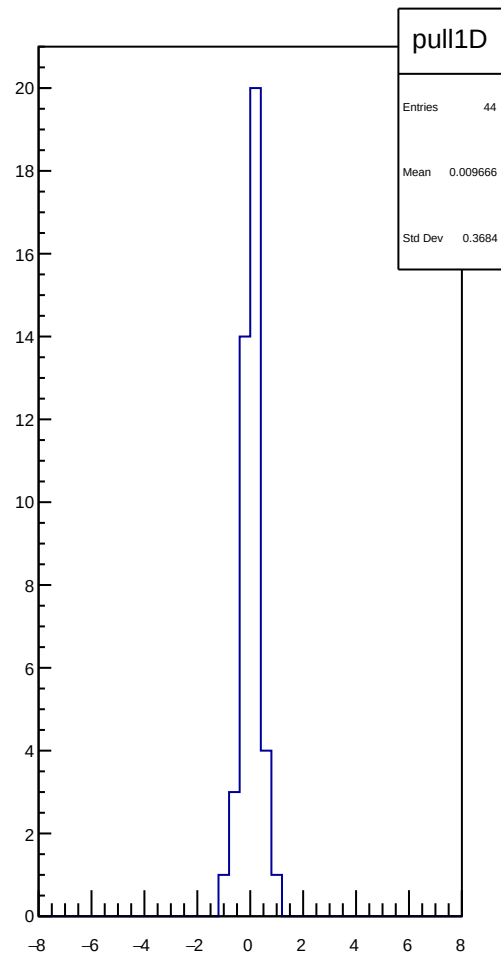
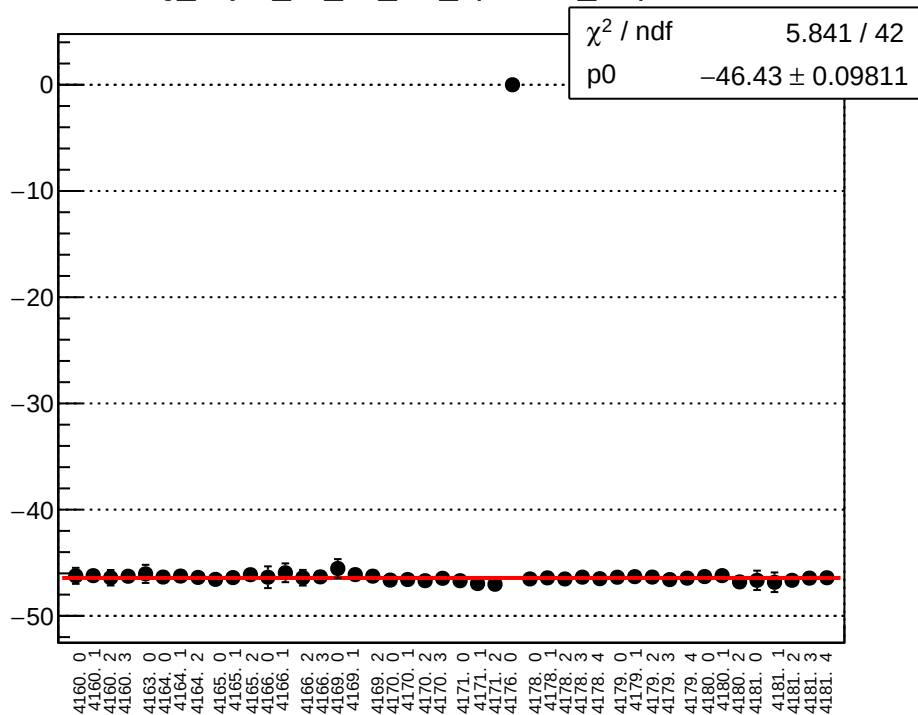




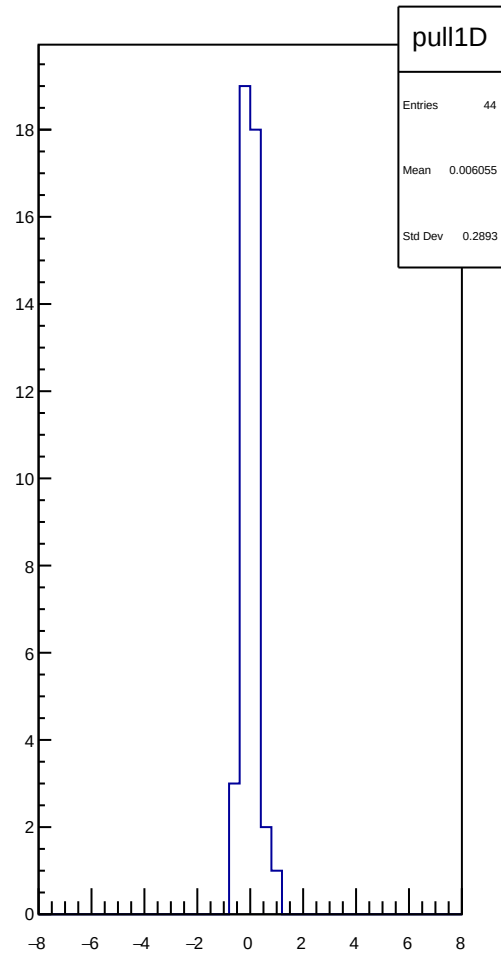
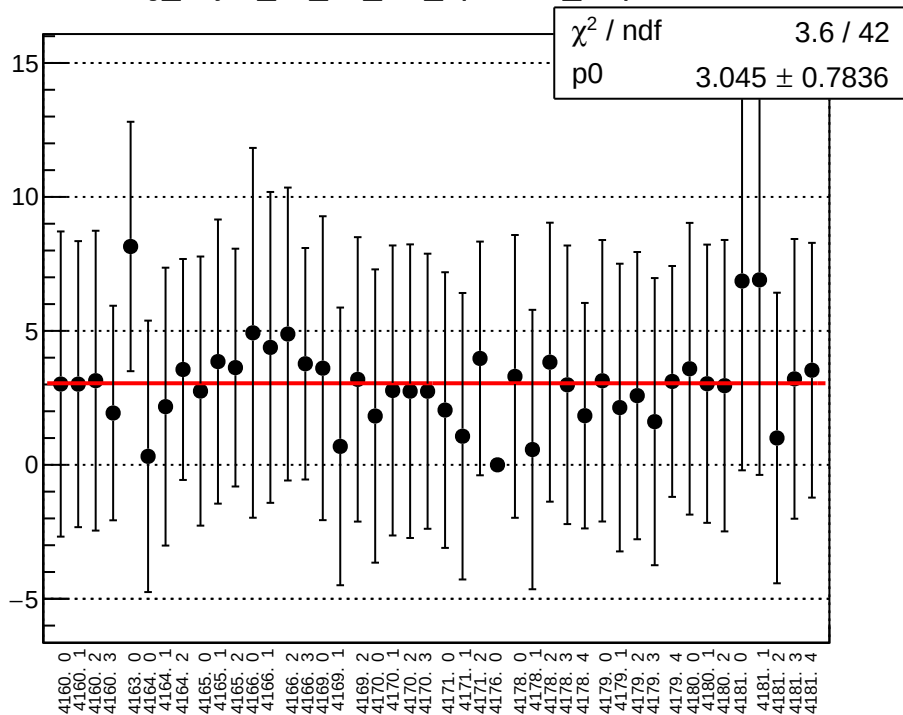
reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs run



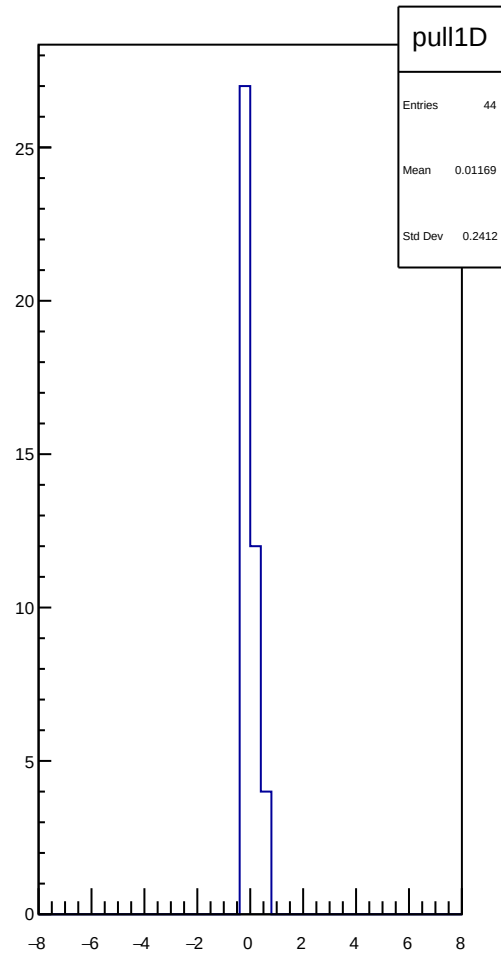
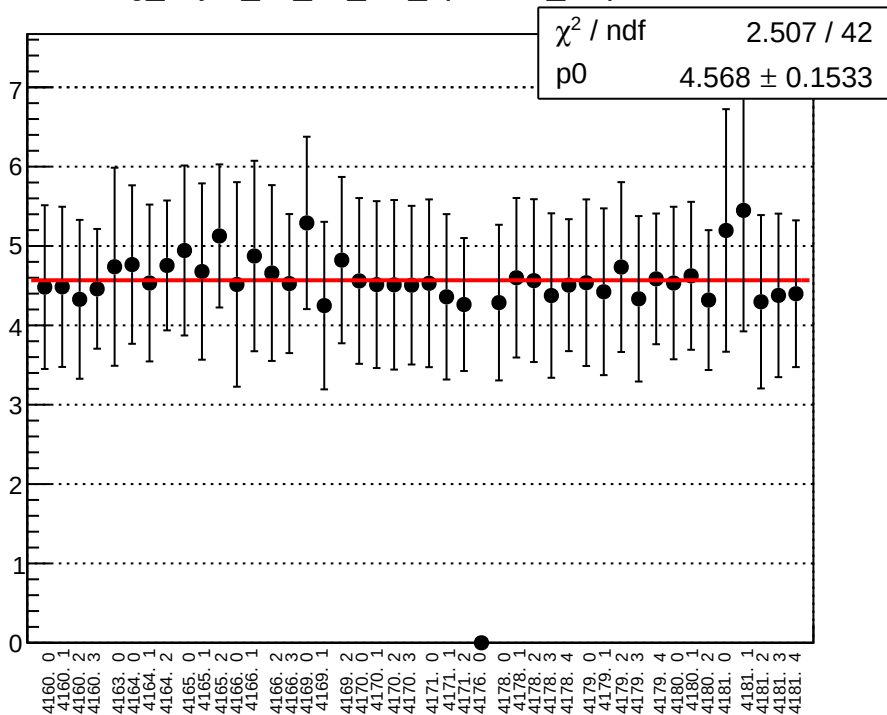
reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs run



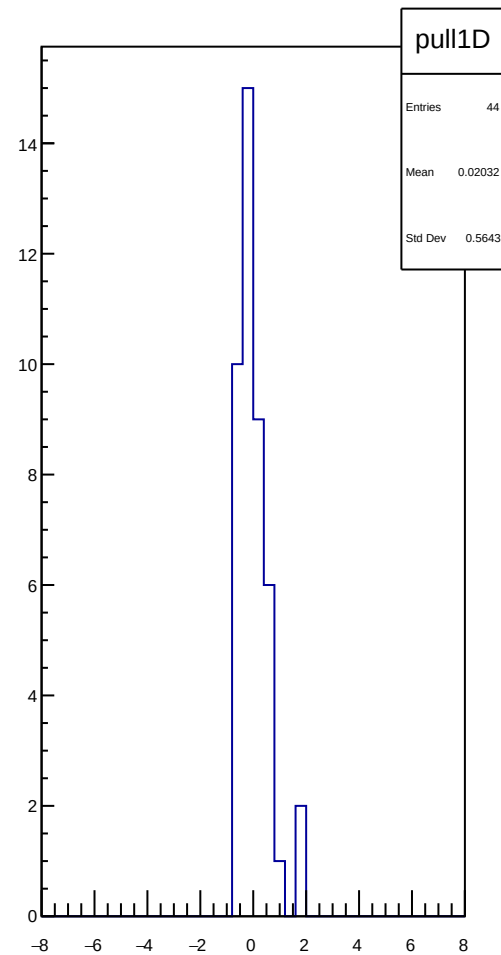
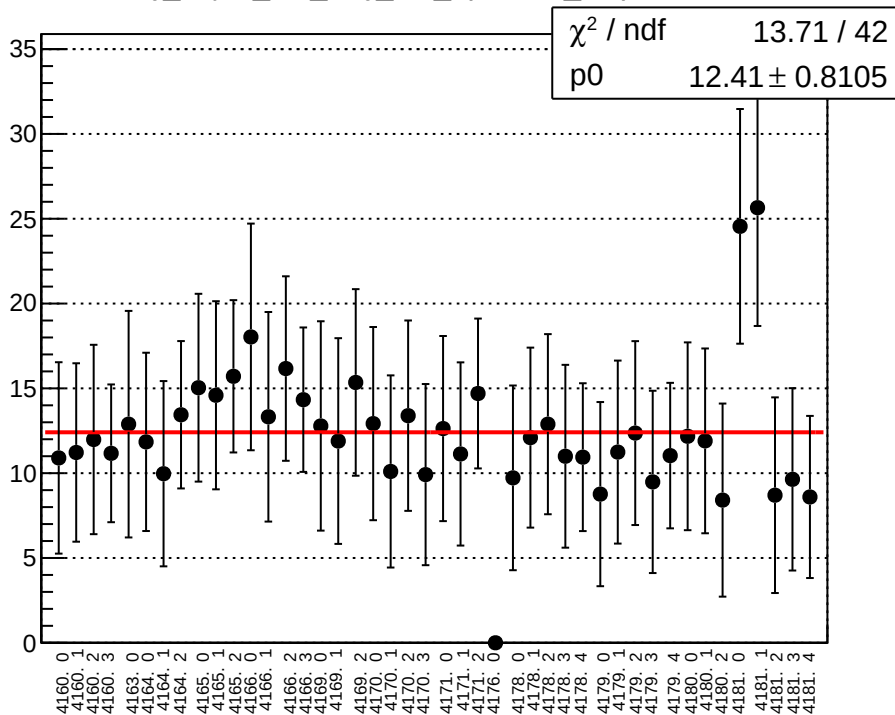
reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs run



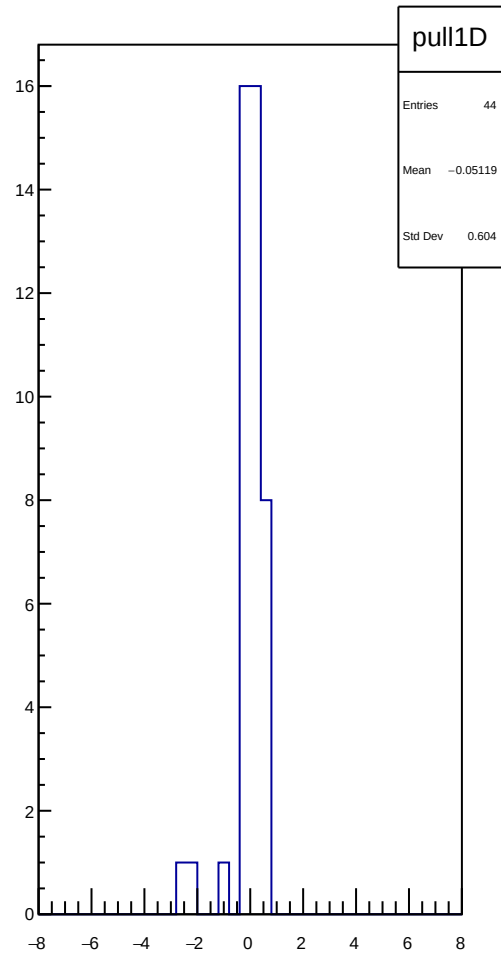
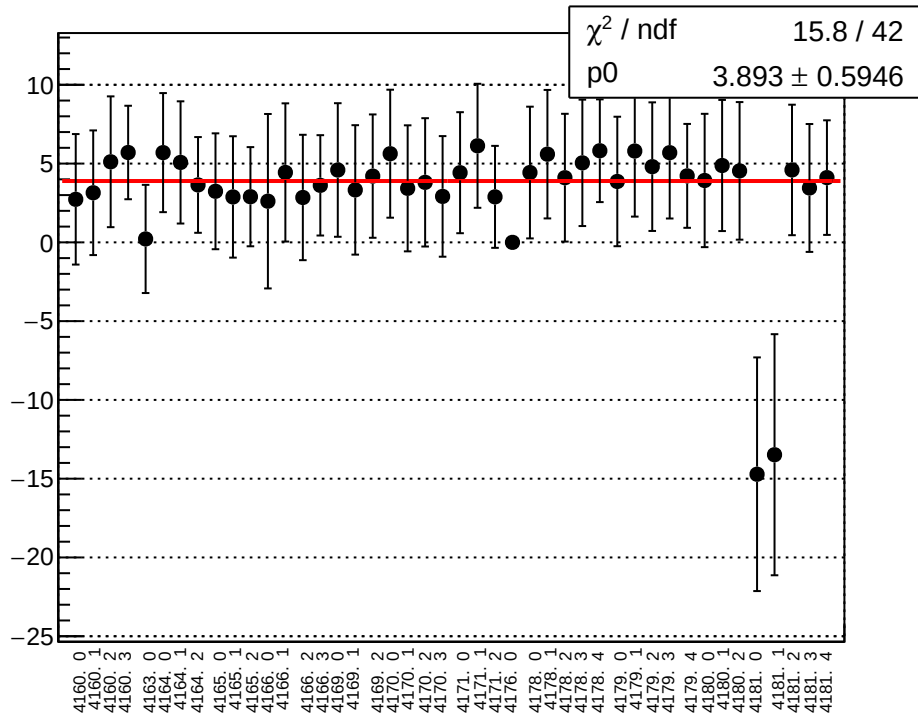
reg\_asym\_ds\_dd\_diff\_bpm11X\_slope vs run



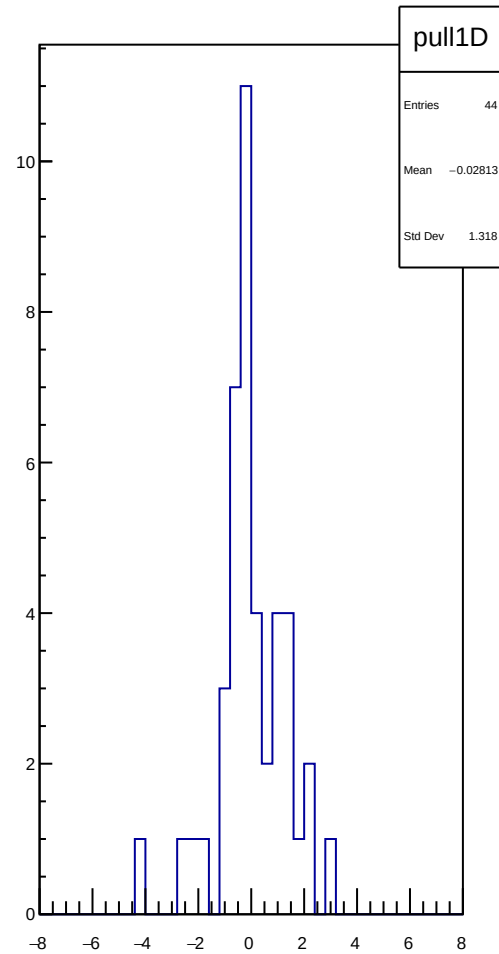
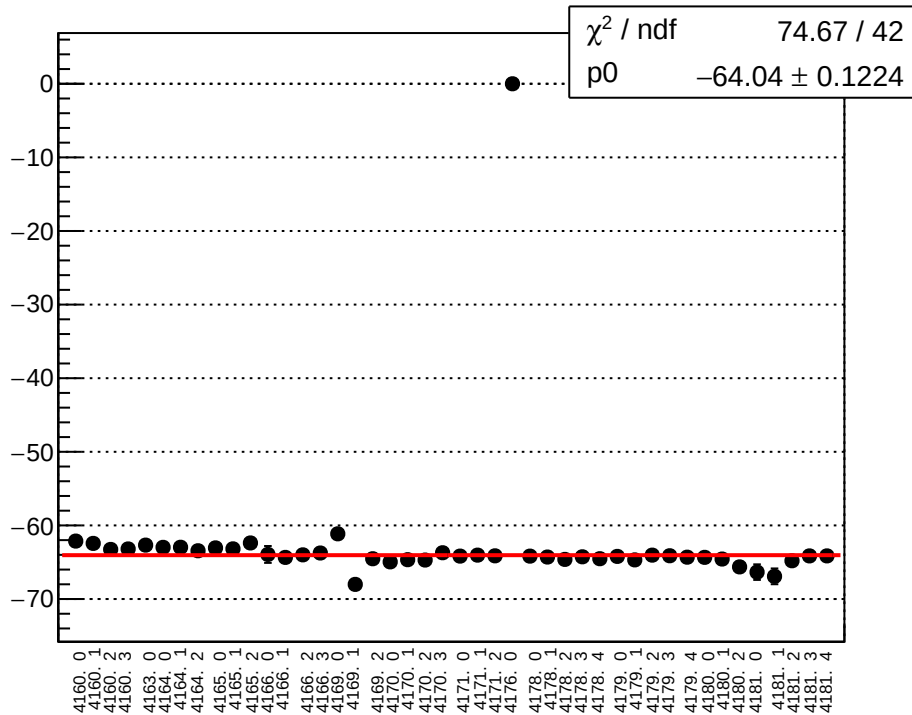
reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs run



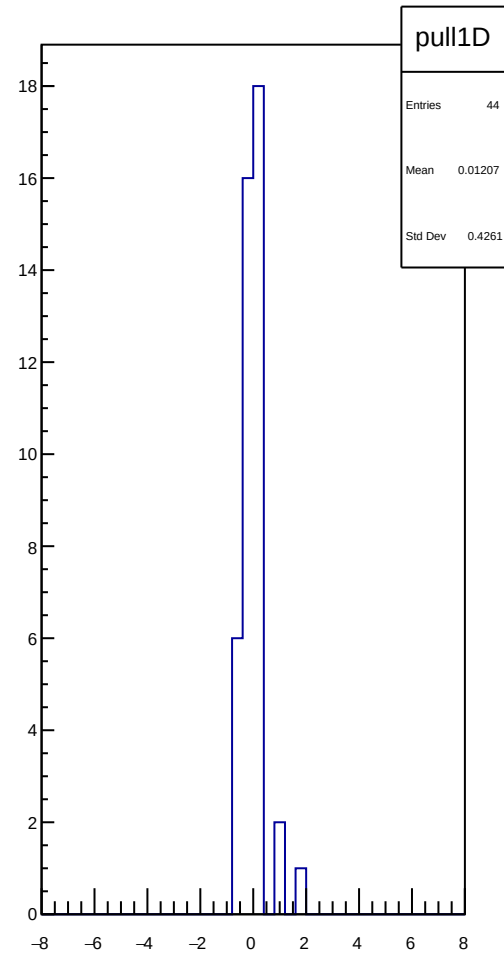
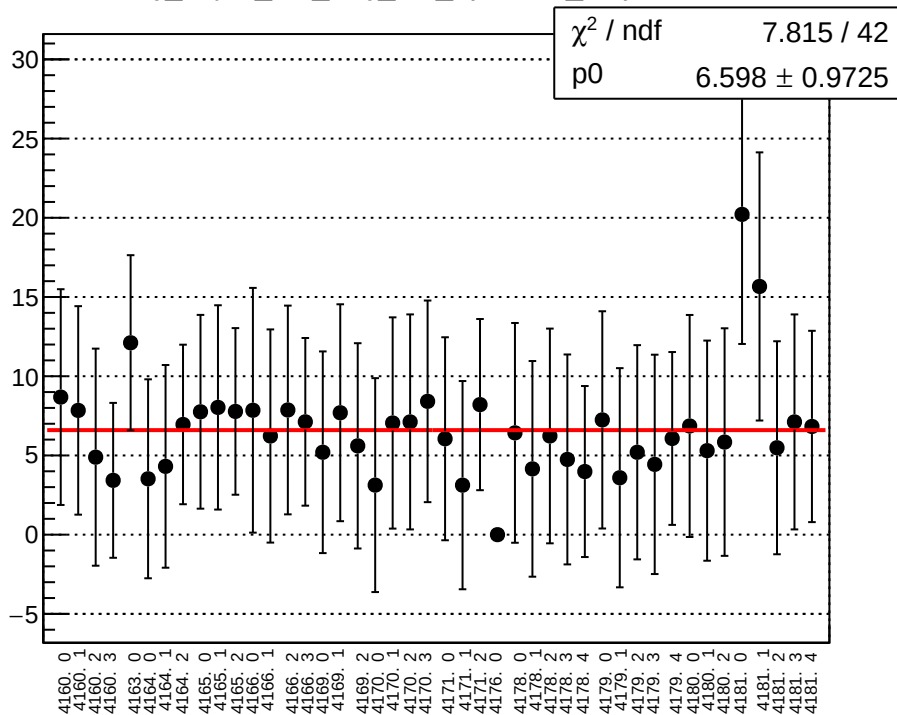
reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs run



reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs run

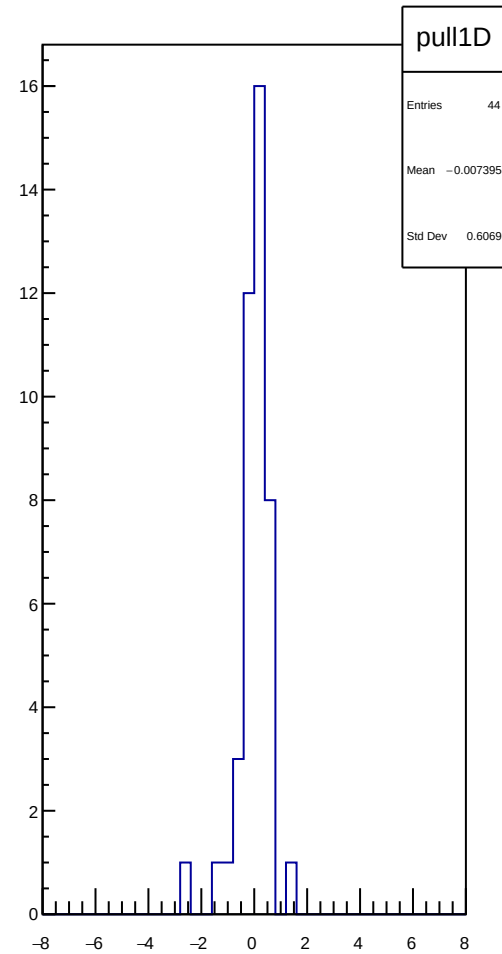
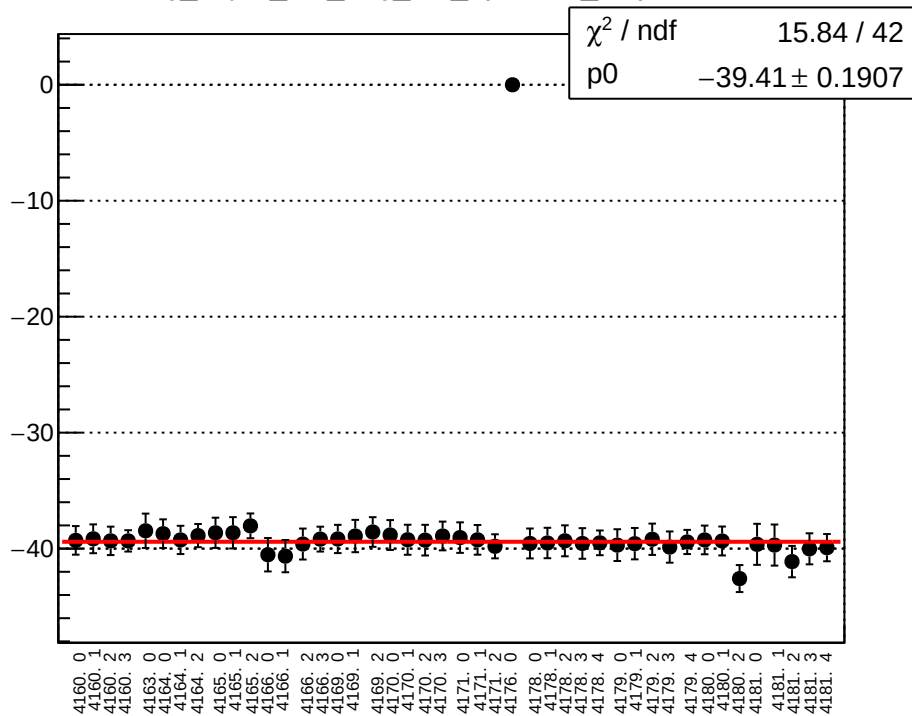


reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs run

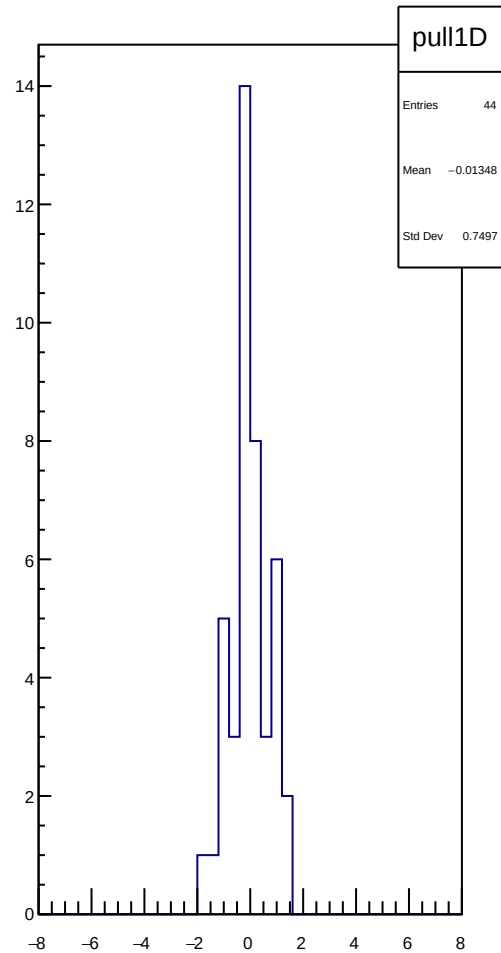
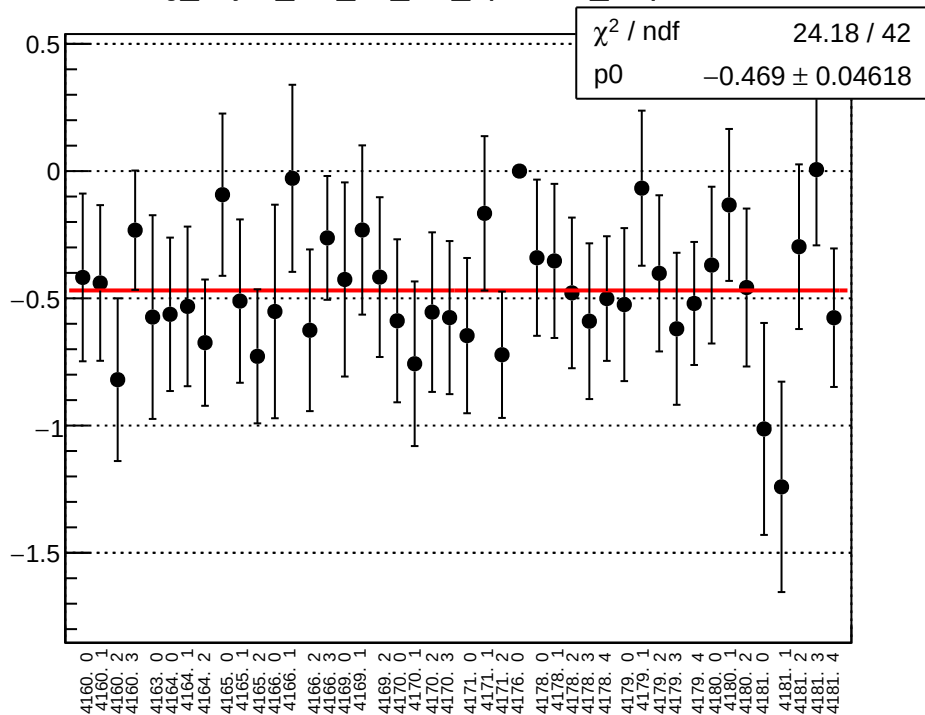




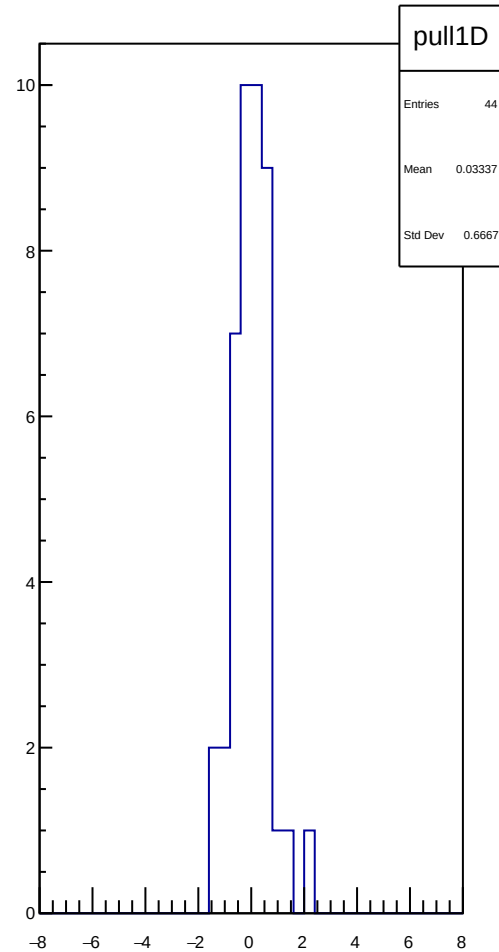
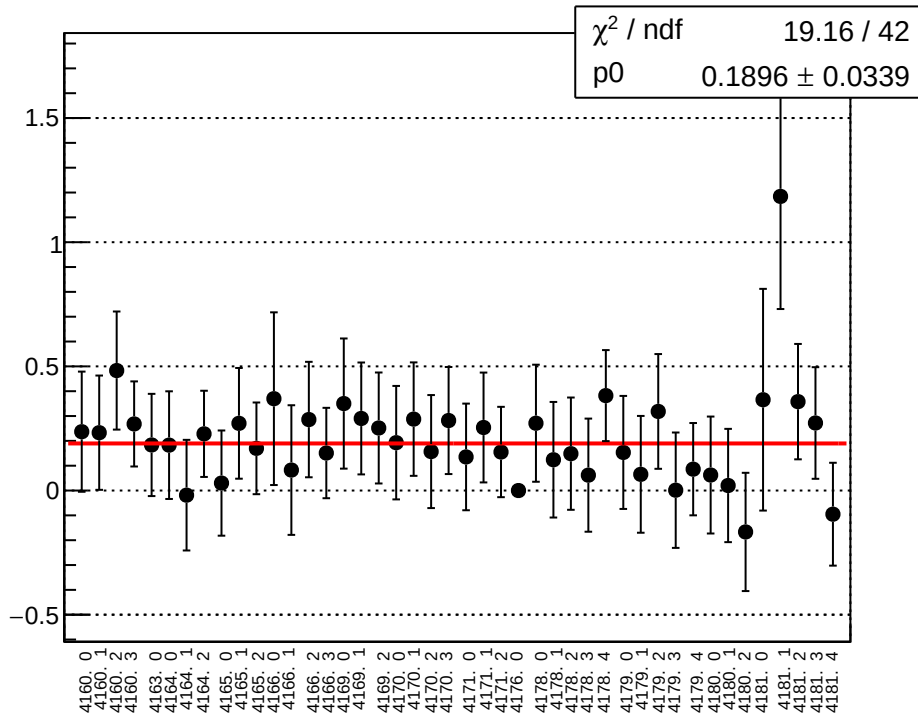
reg\_asym\_left\_avg\_diff\_bpm11X\_slope vs run



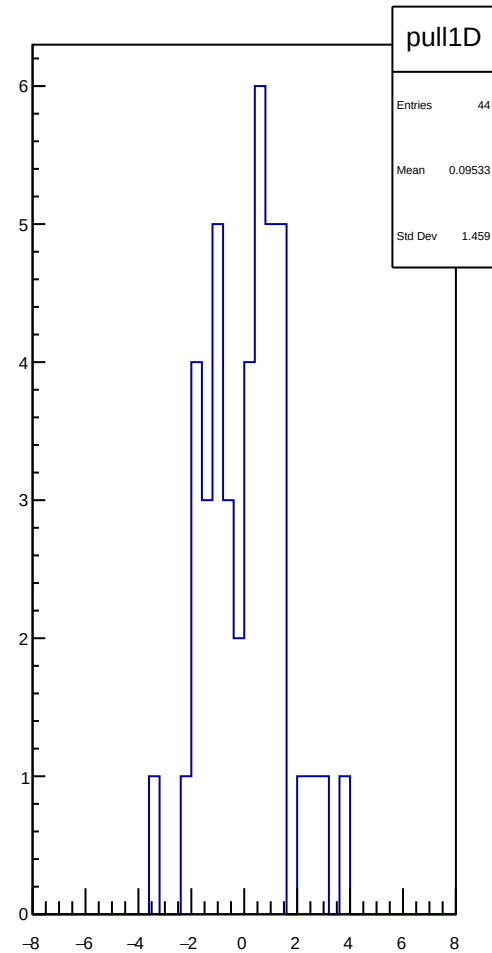
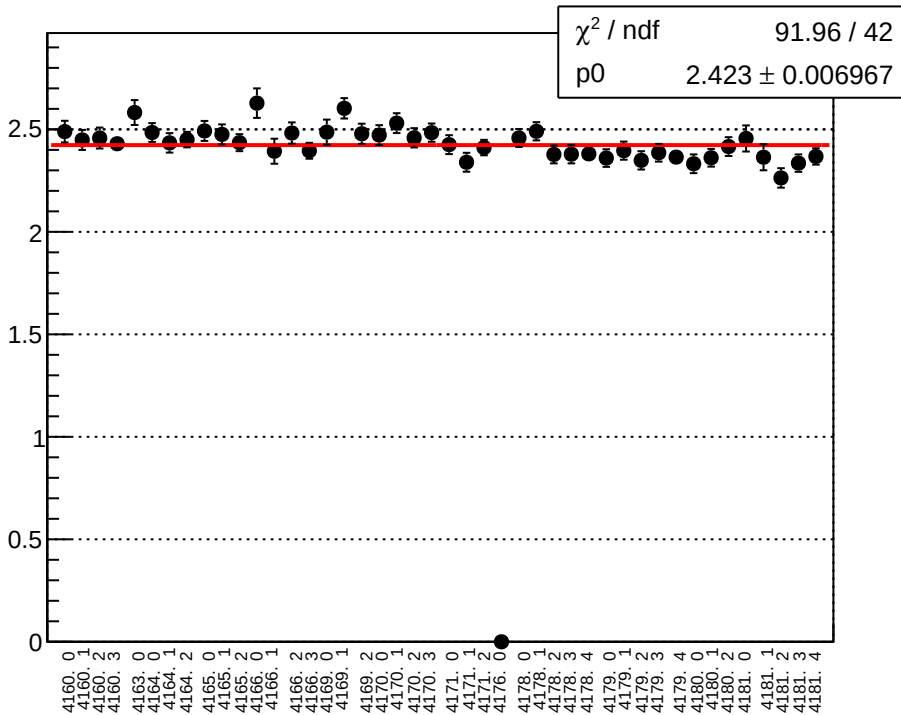
reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs run



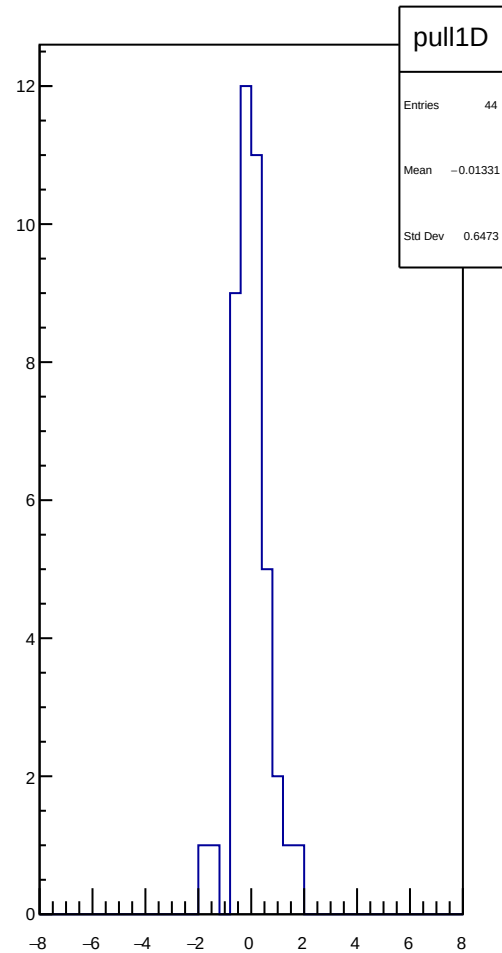
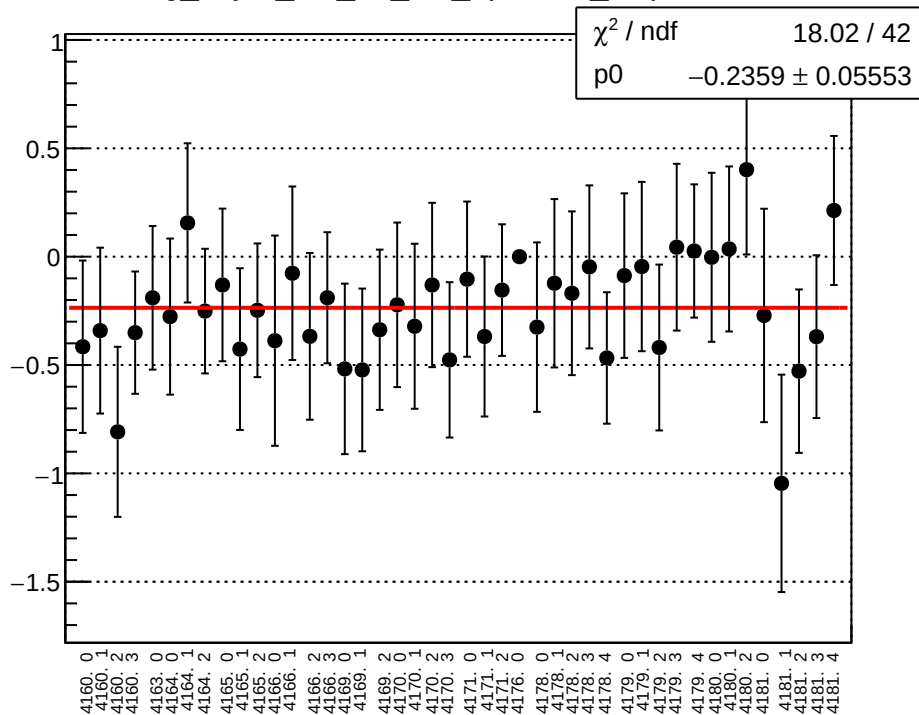
reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs run



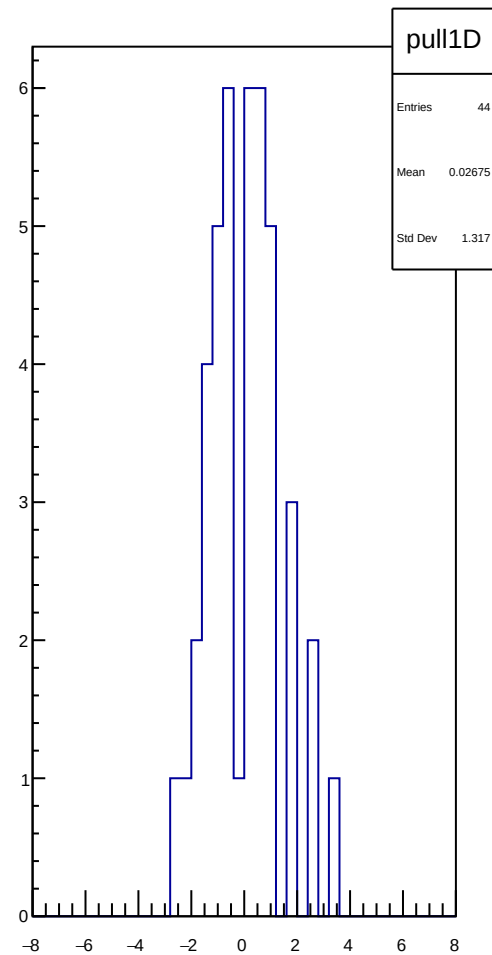
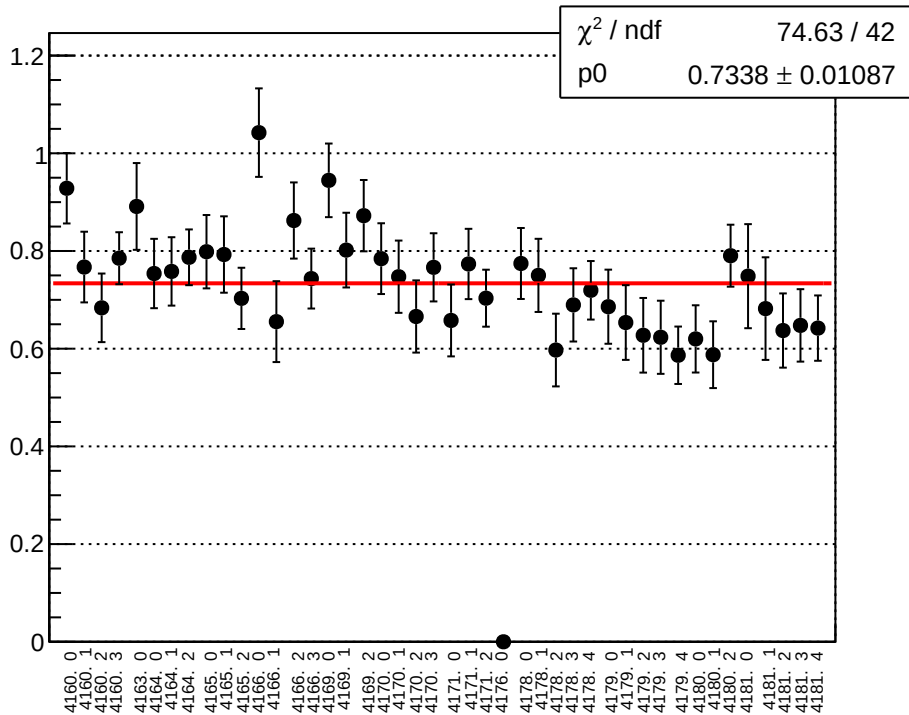
reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs run



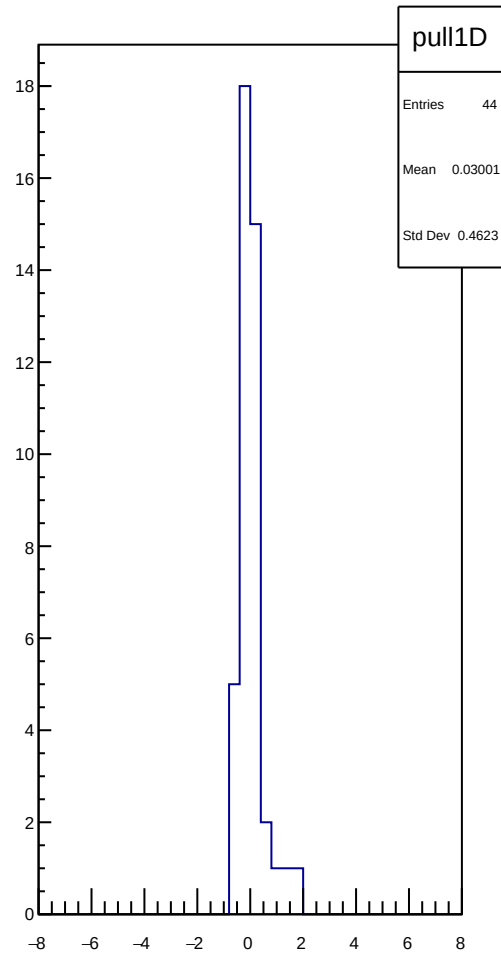
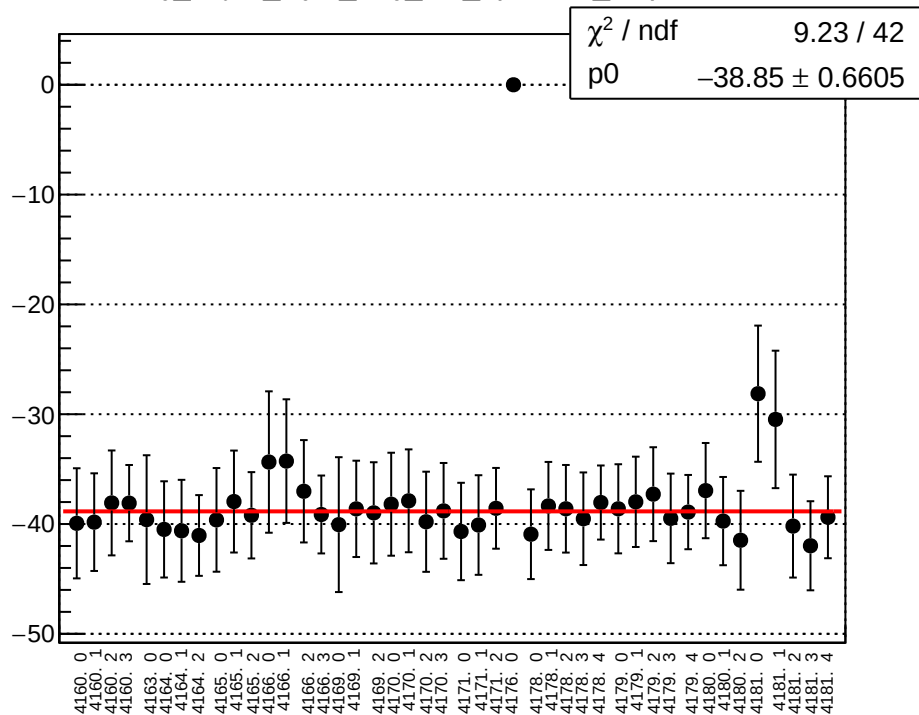
reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs run



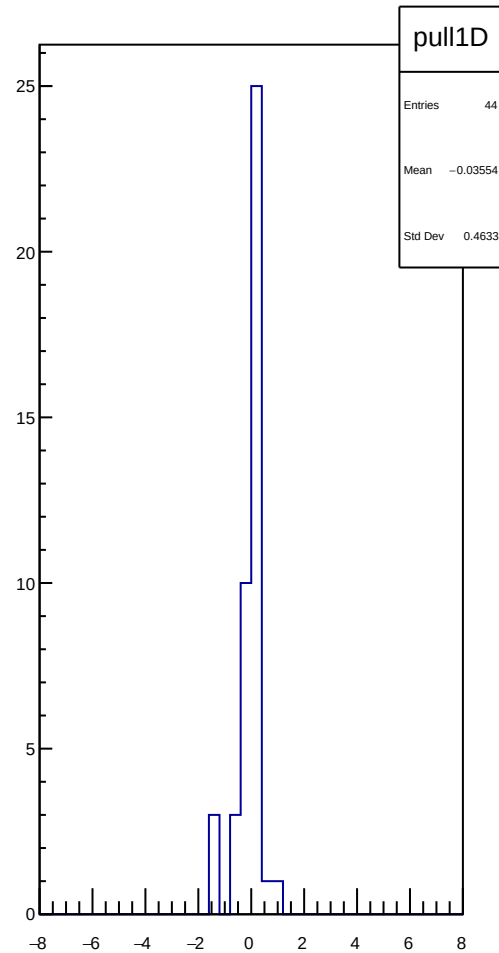
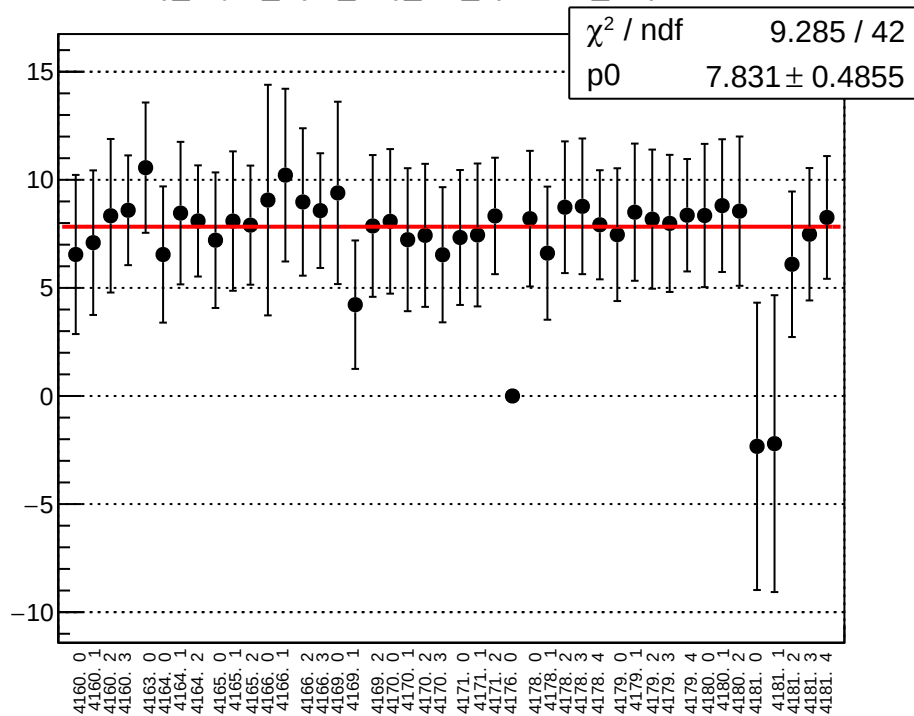
reg\_asym\_left\_dd\_diff\_bpm11X\_slope vs run



reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs run

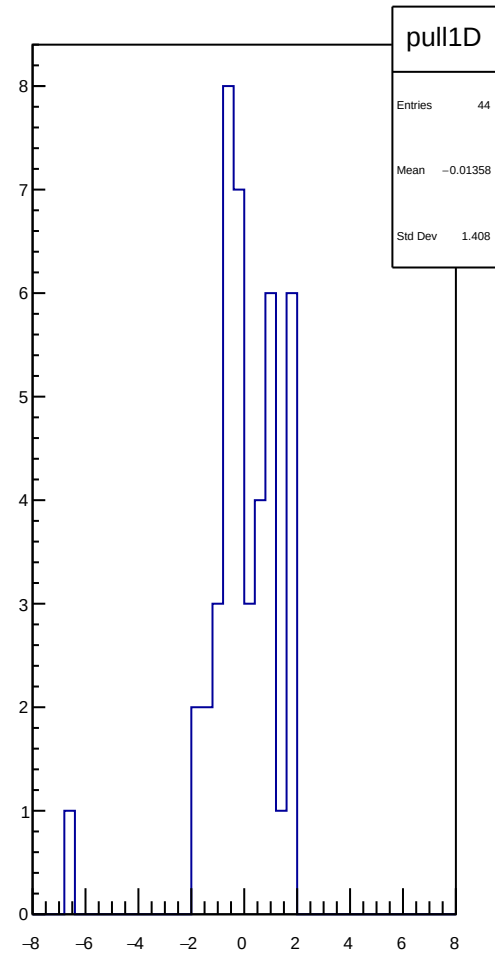
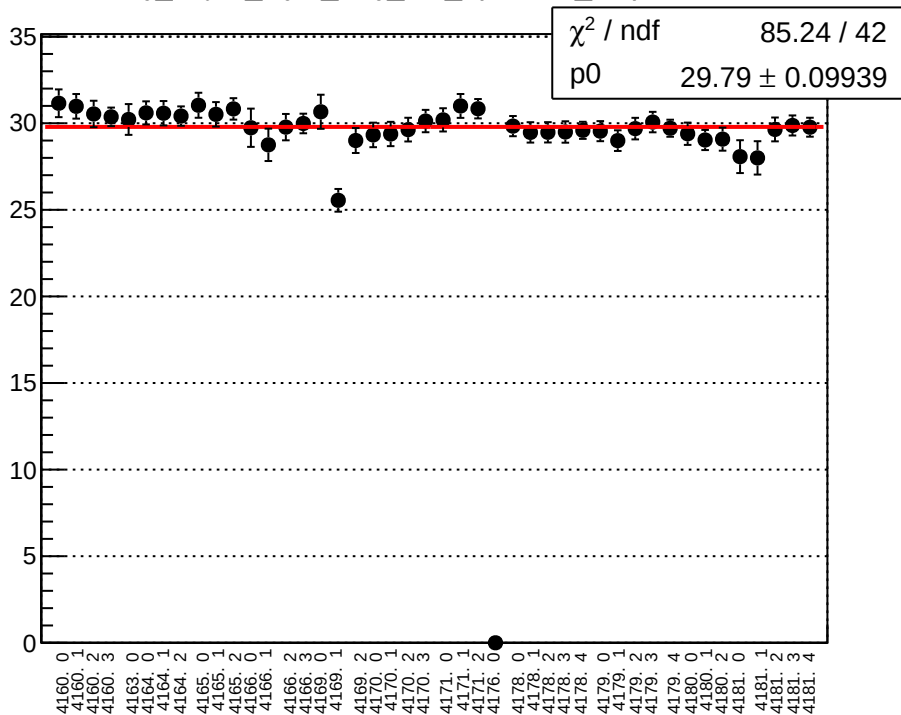


reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs run

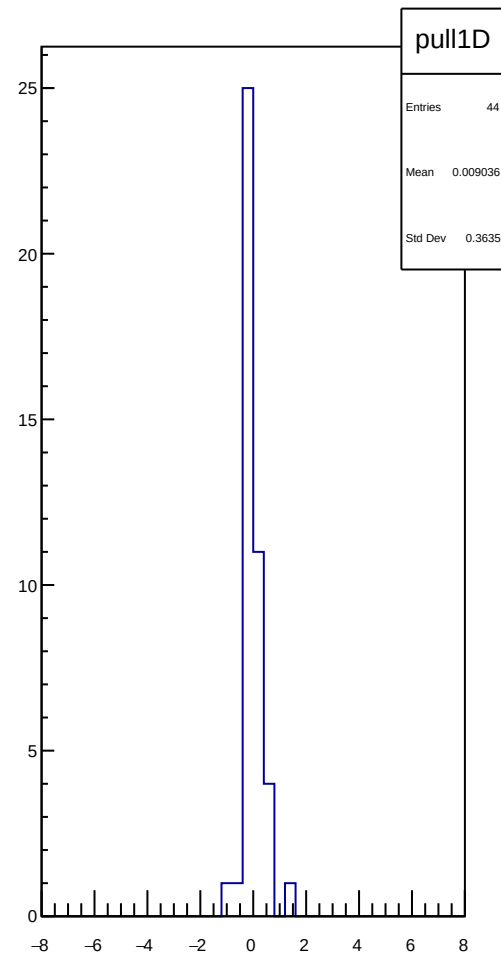
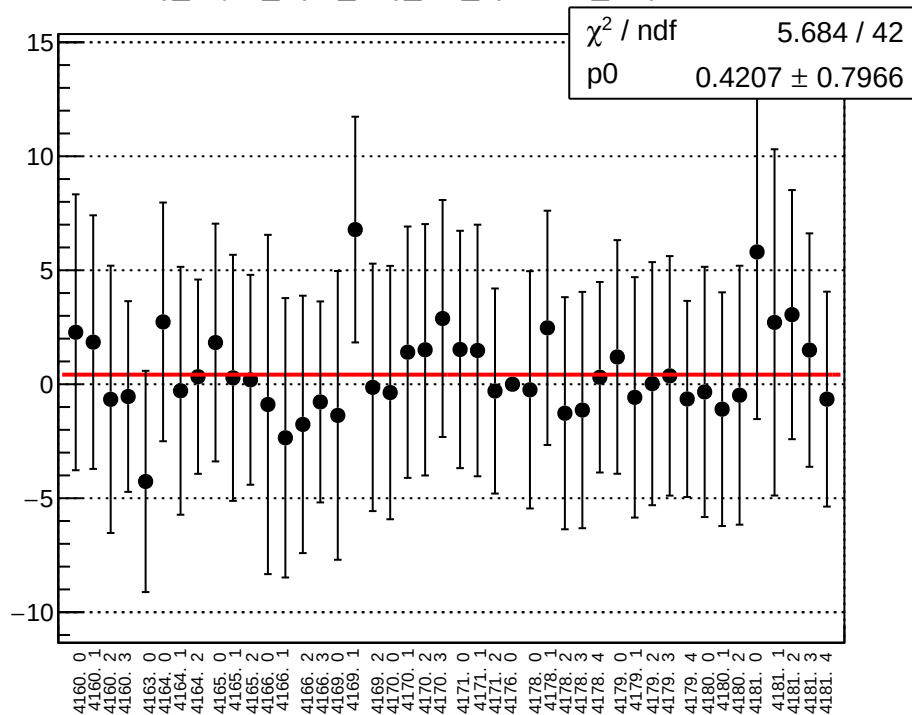




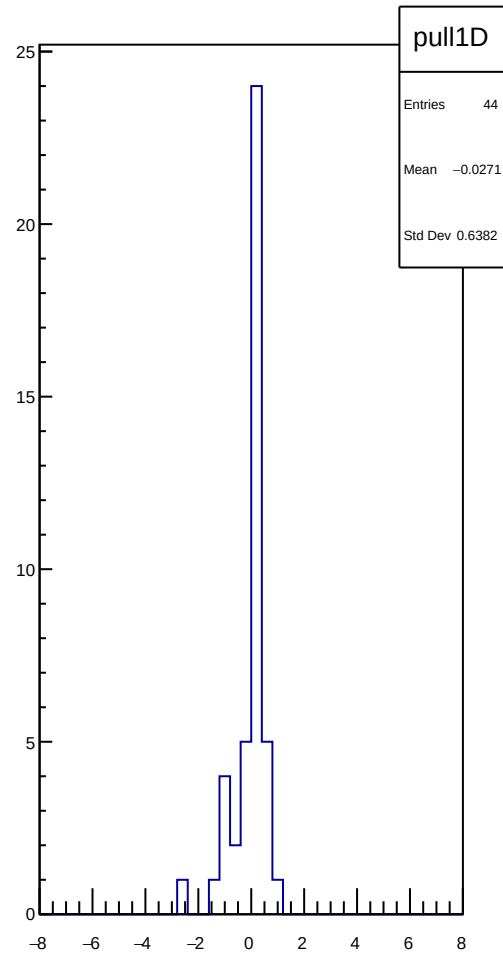
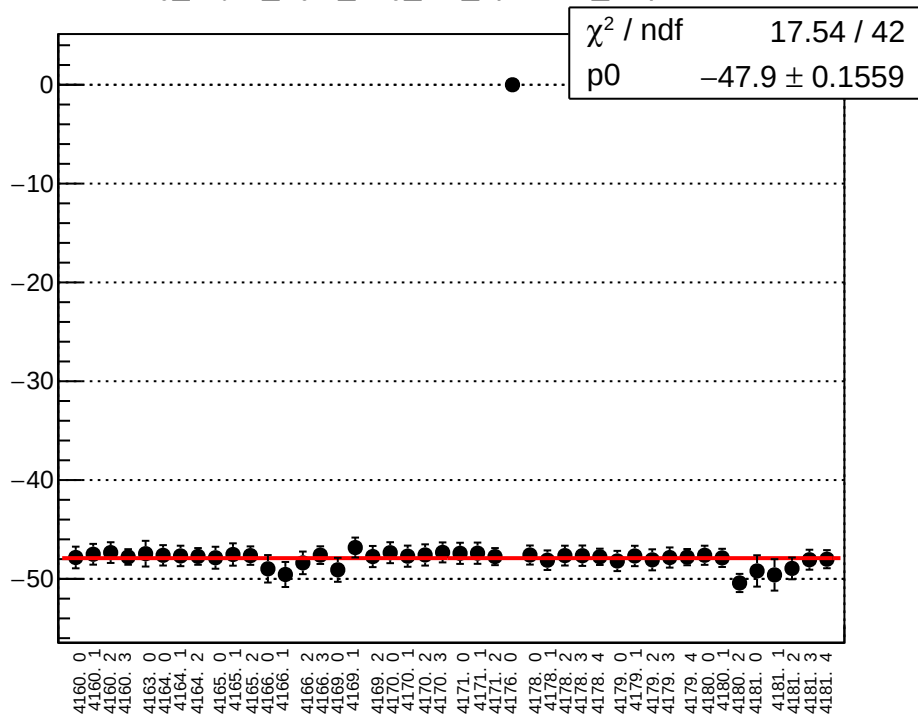
reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs run



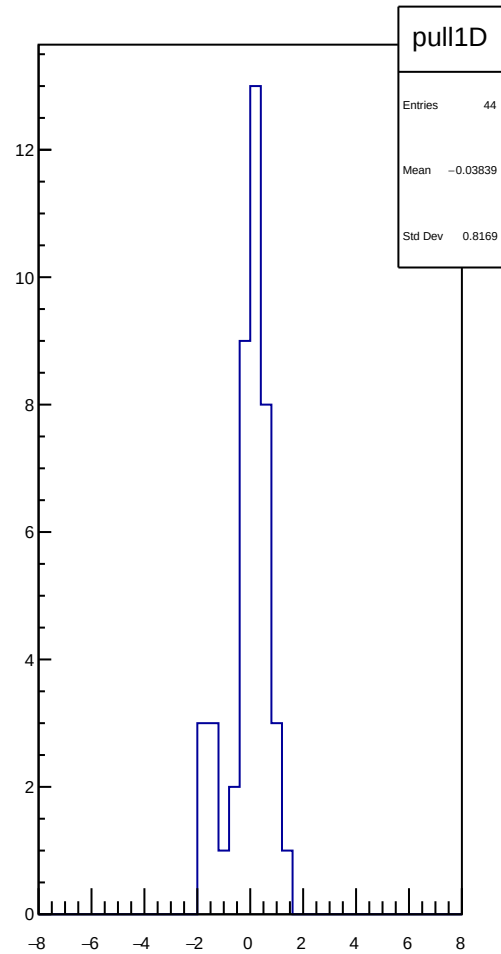
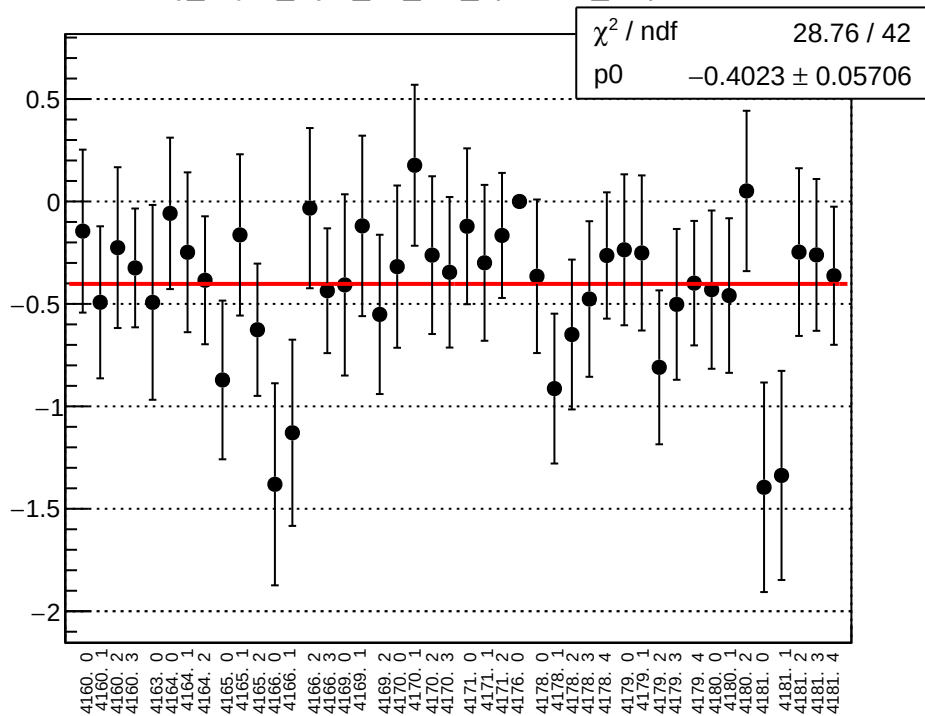
reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs run



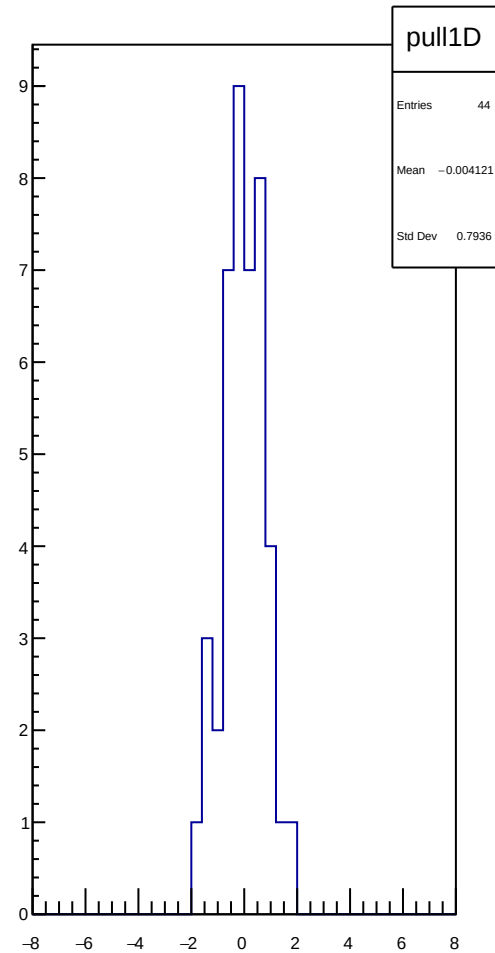
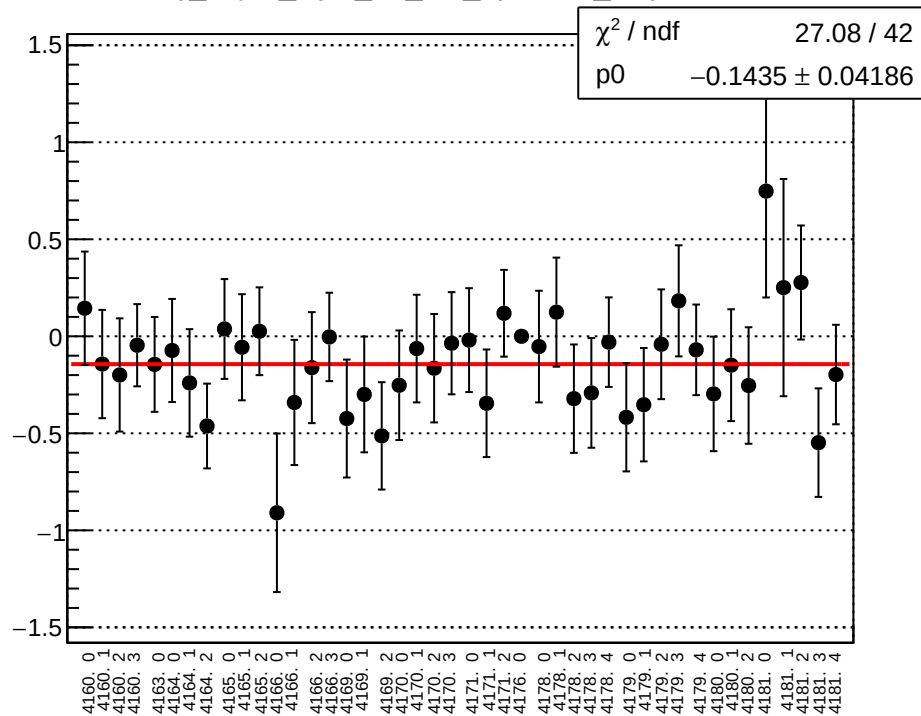
reg\_asym\_right\_avg\_diff\_bpm11X\_slope vs run



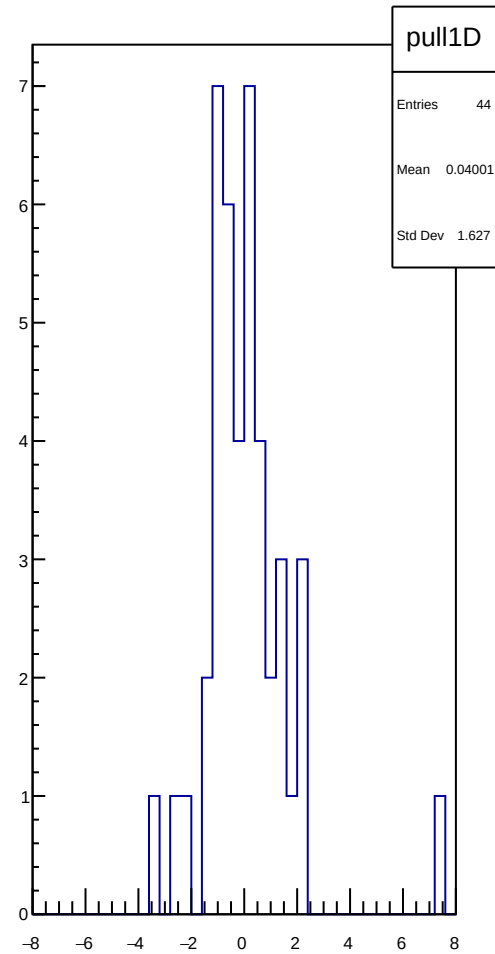
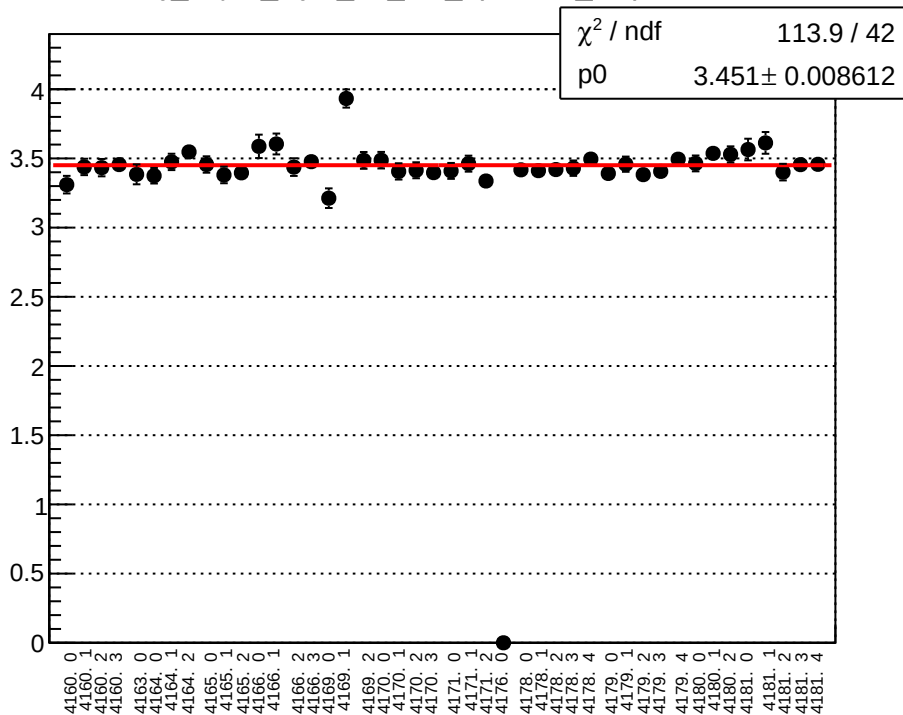
reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs run



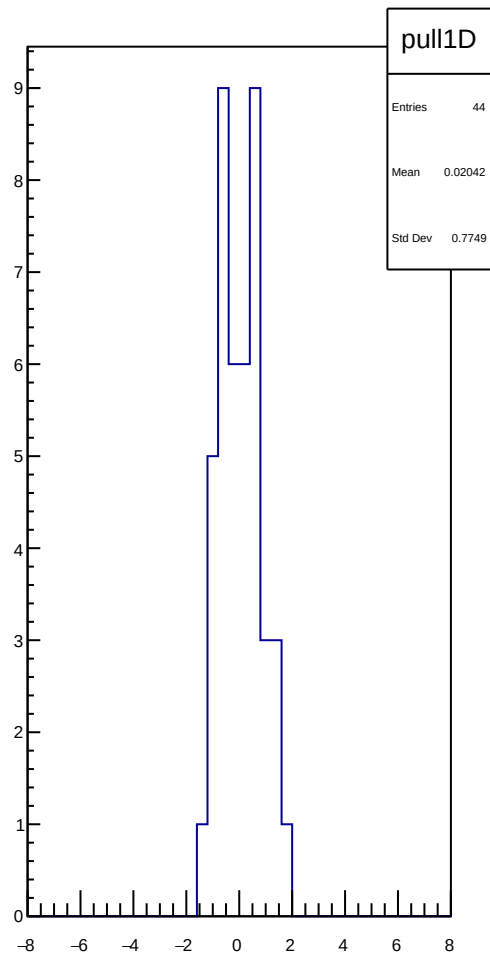
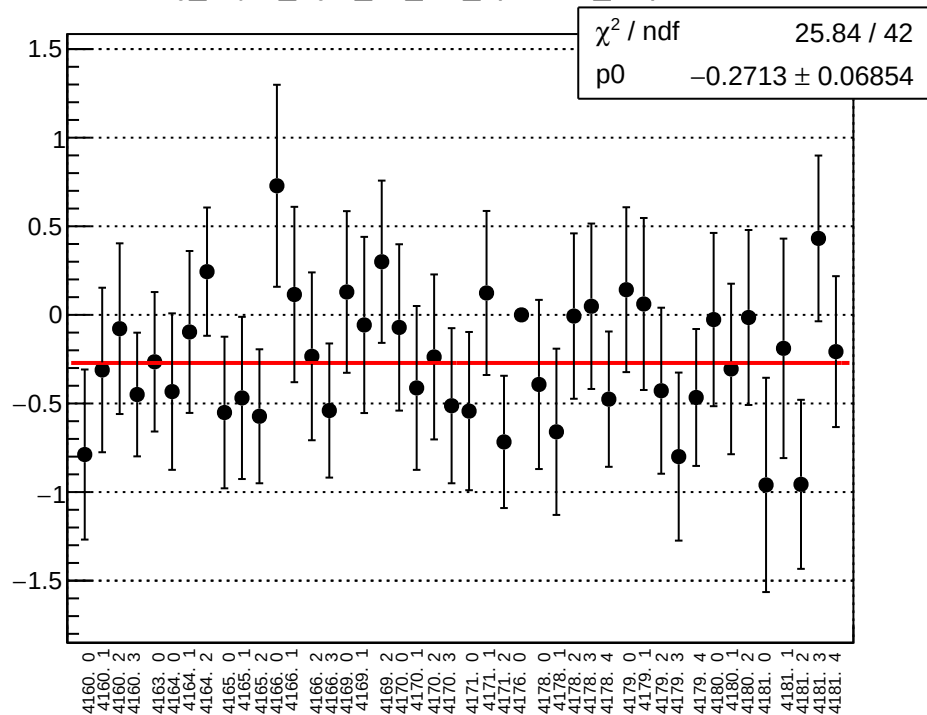
reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs run



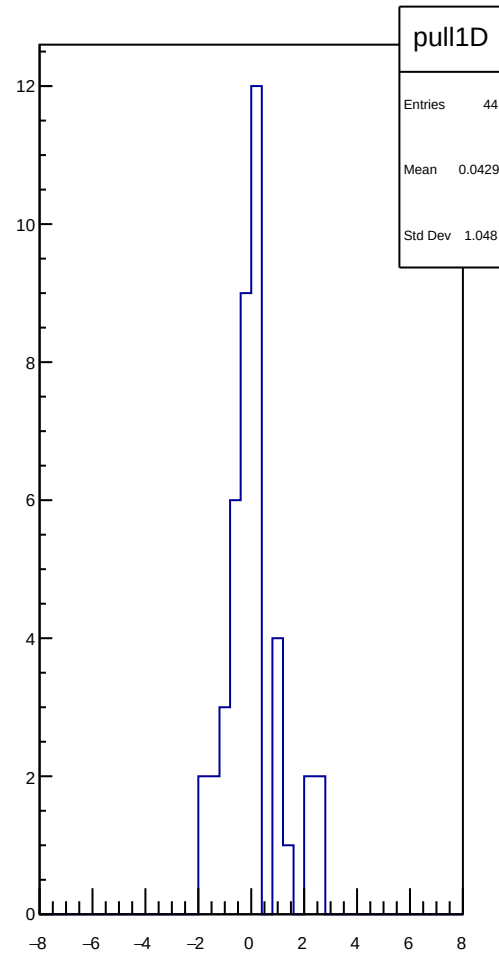
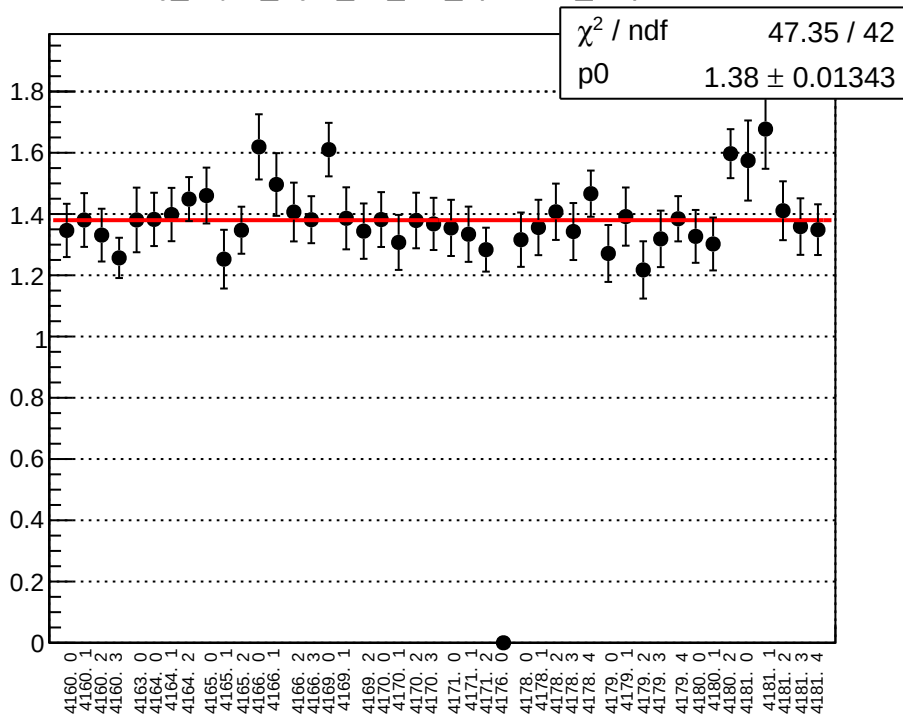
reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs run



reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs run

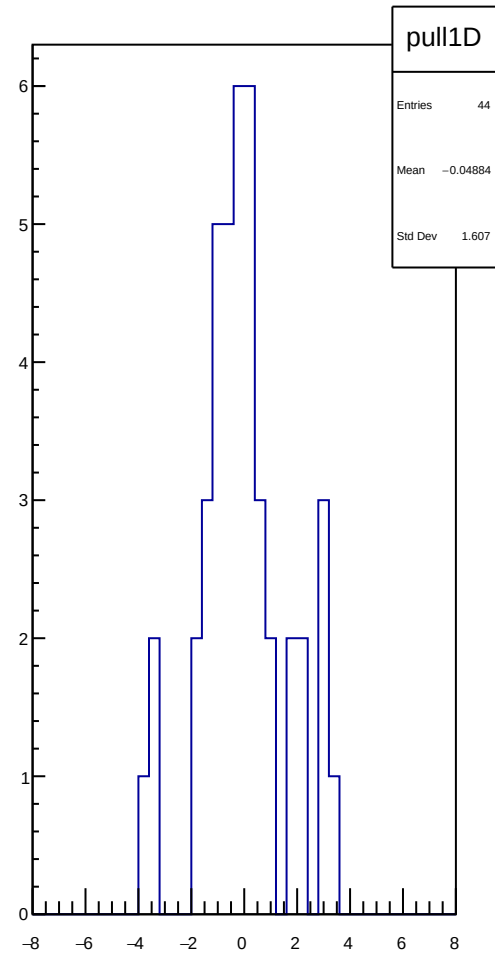
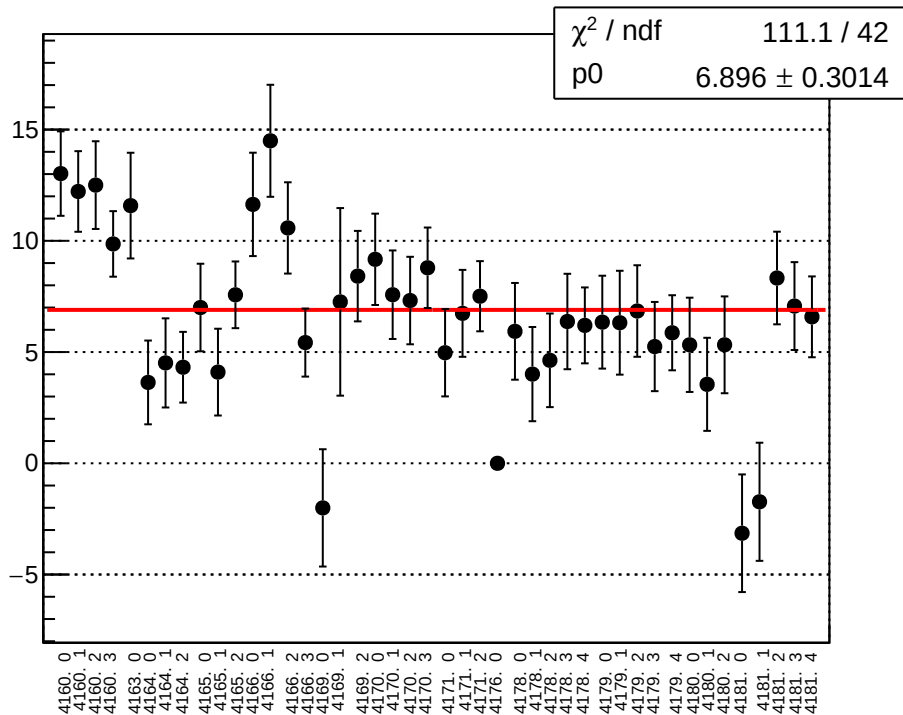


reg\_asym\_right\_dd\_diff\_bpm11X\_slope vs run

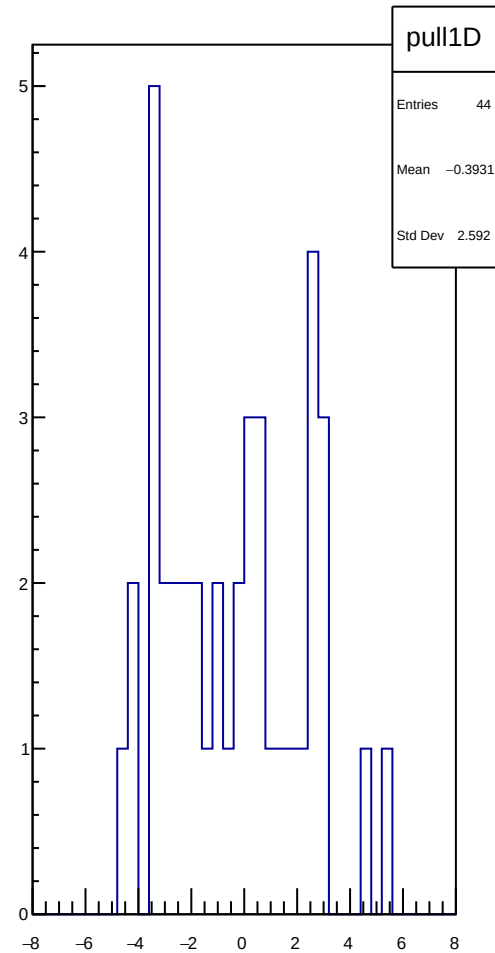
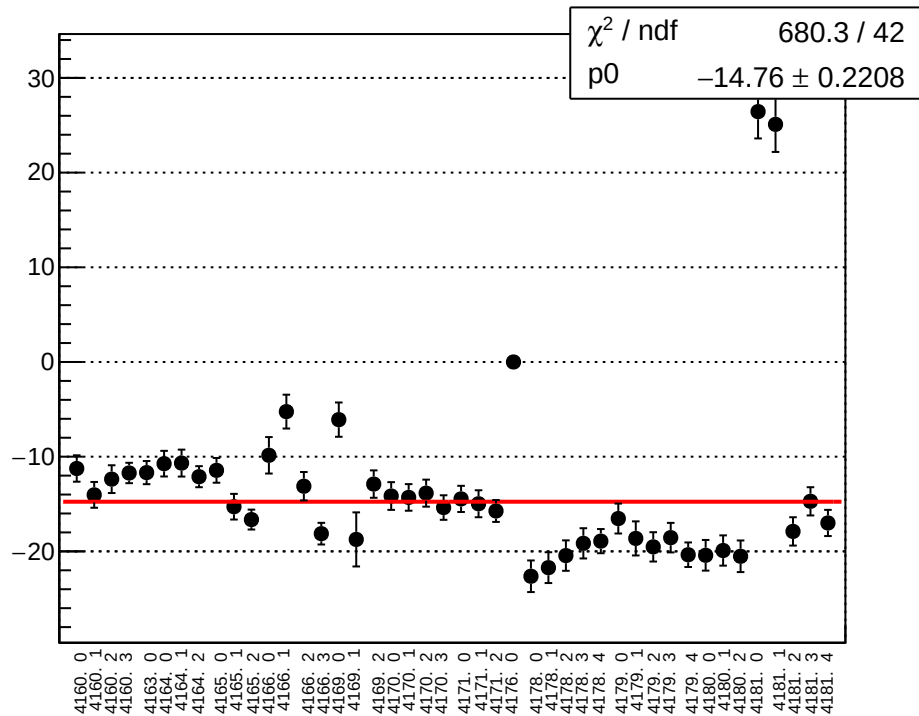




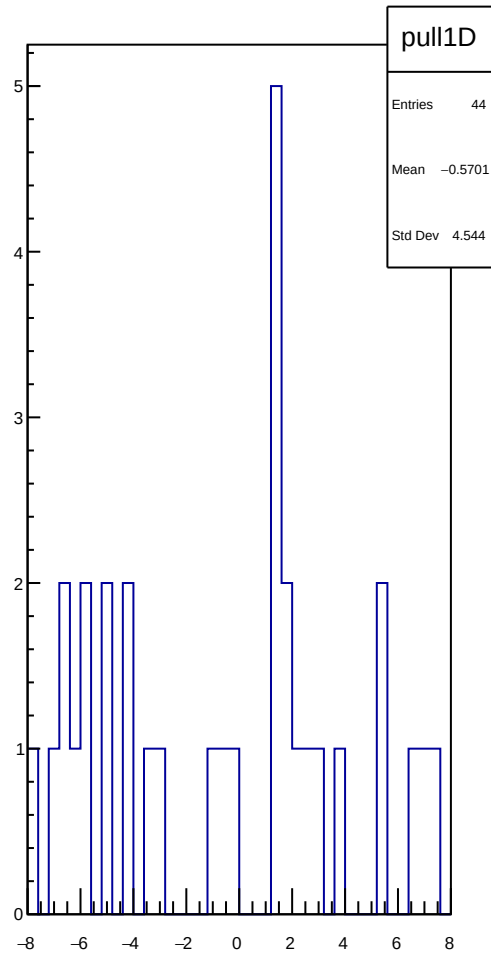
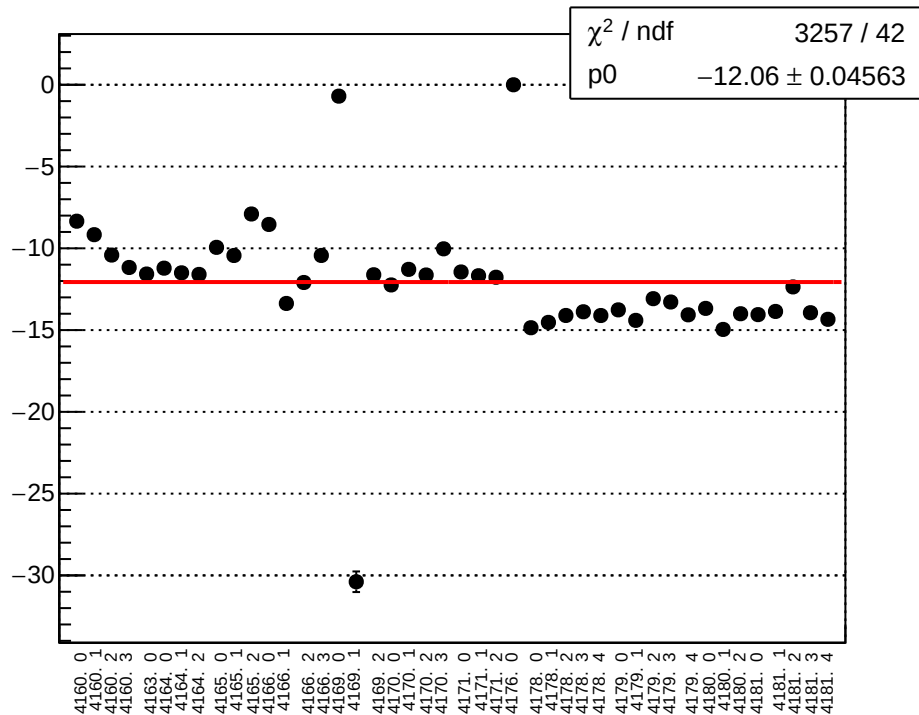
reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs run



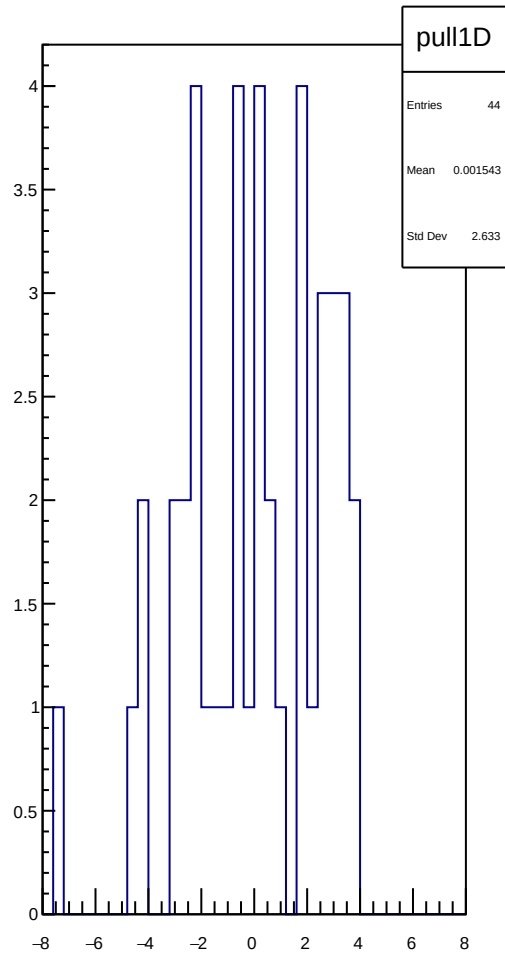
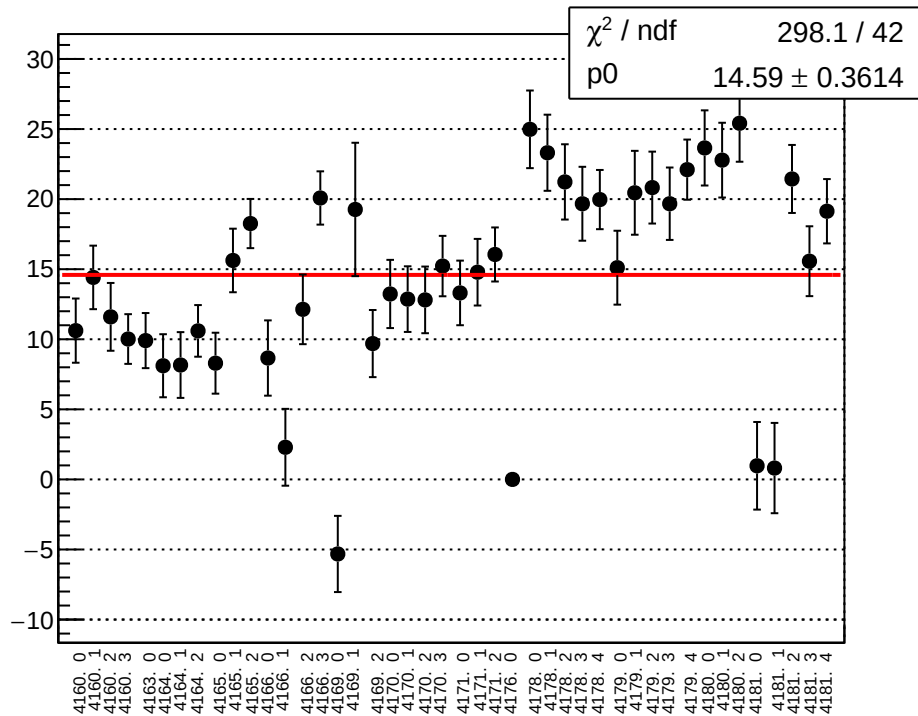
reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs run



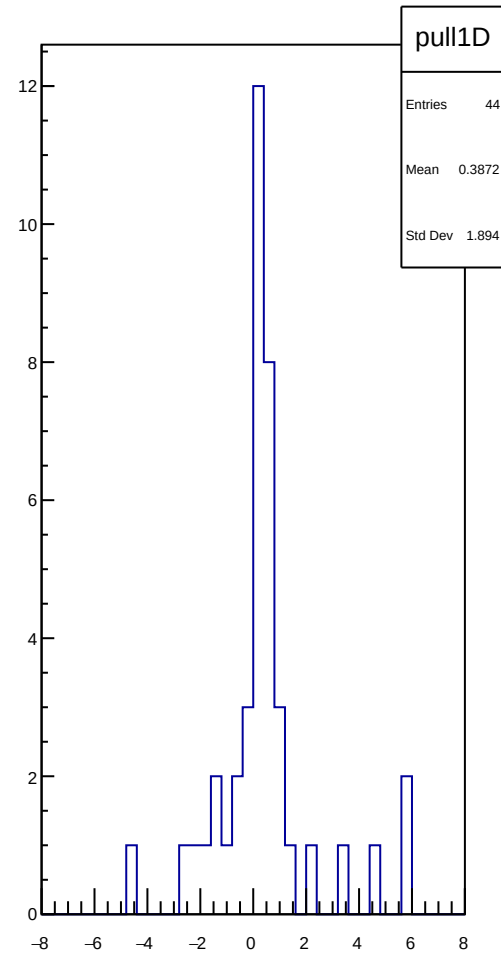
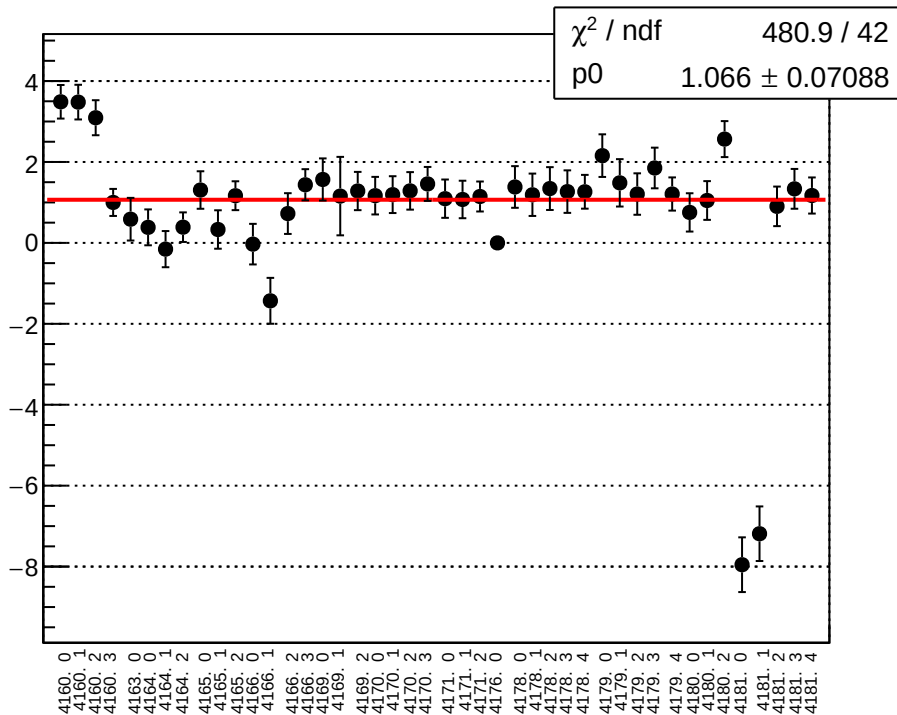
reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs run



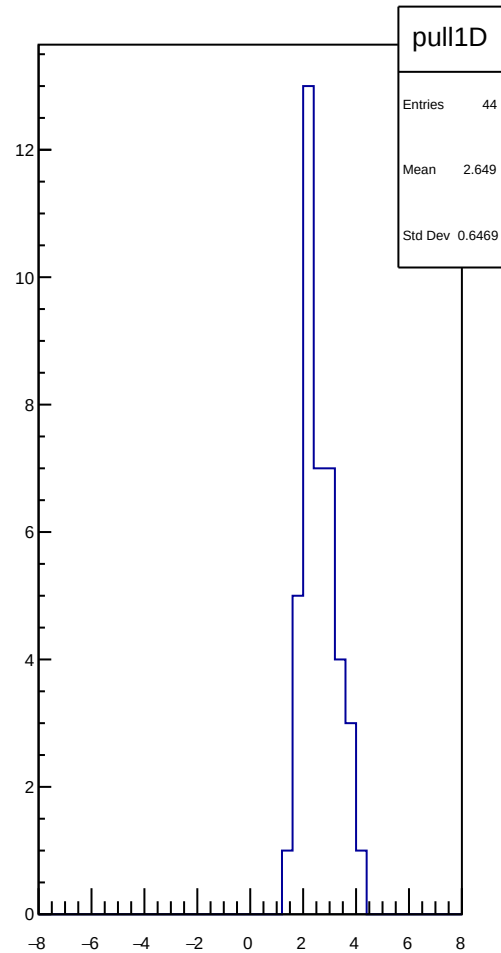
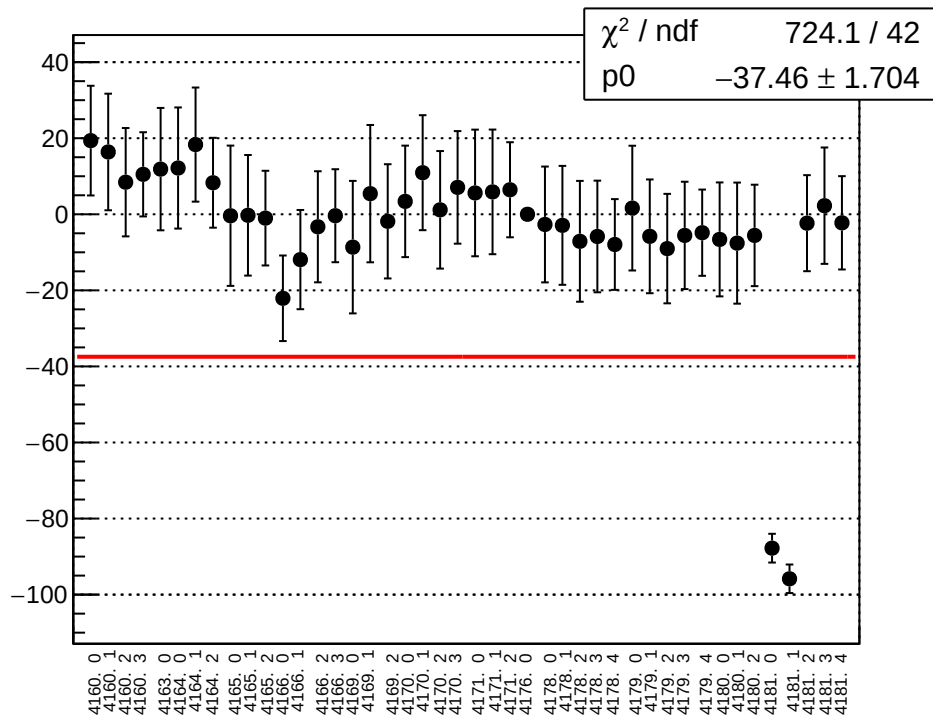
reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs run



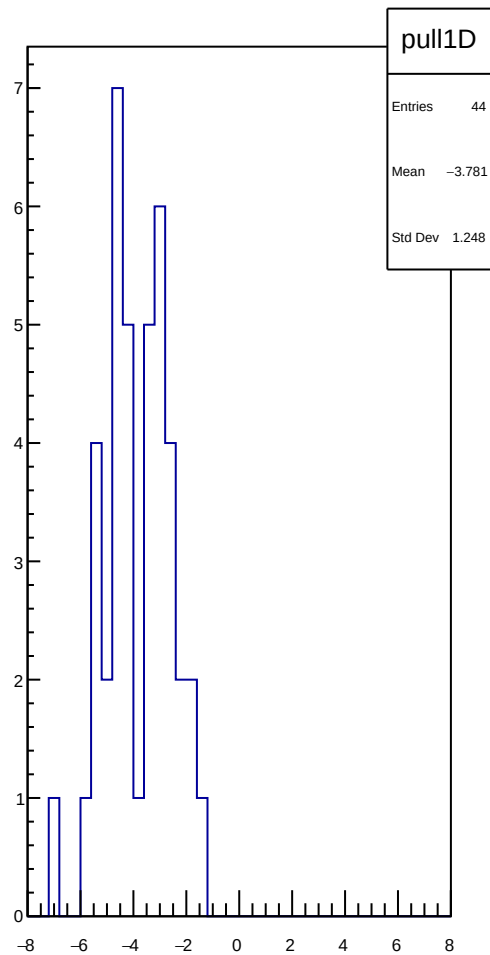
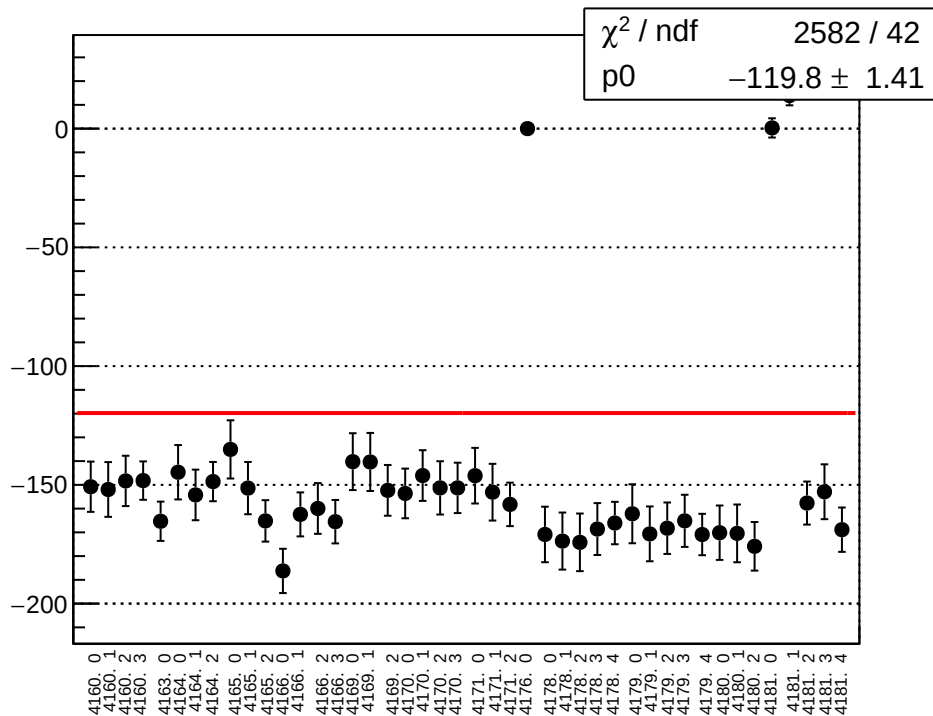
reg\_asym\_sam\_15\_avg\_diff\_bpm11X\_slope vs run



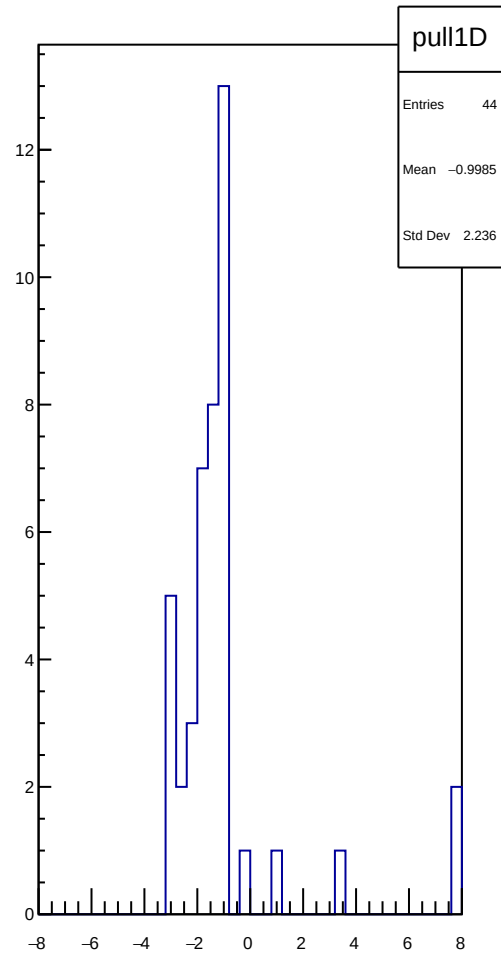
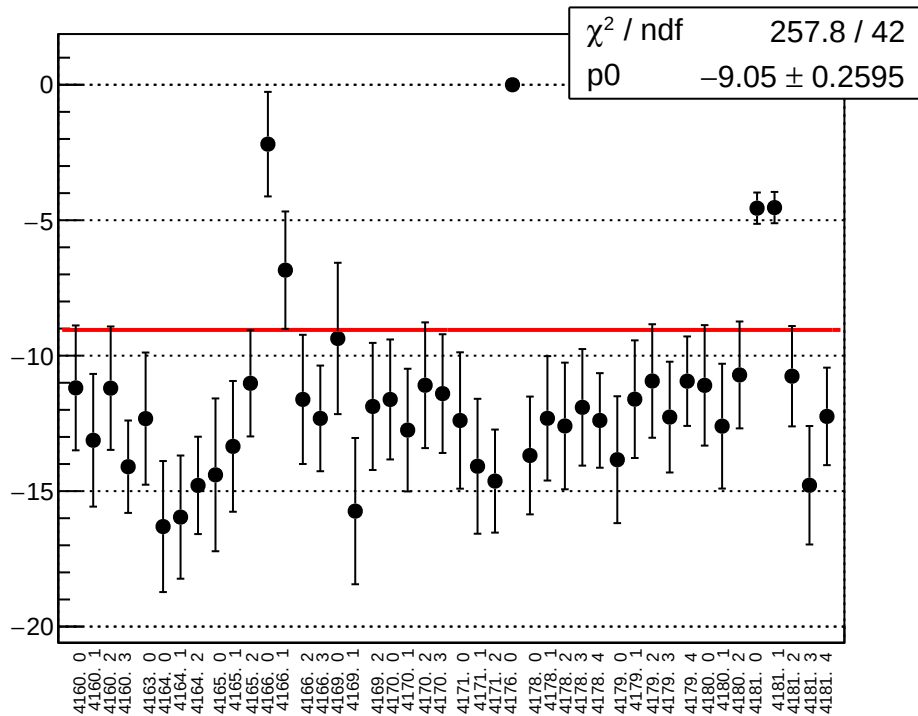
reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs run



reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs run

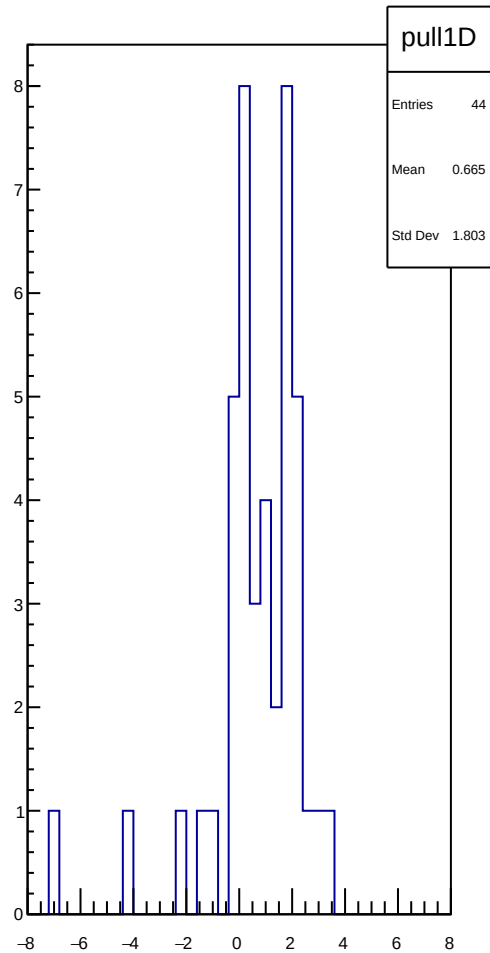
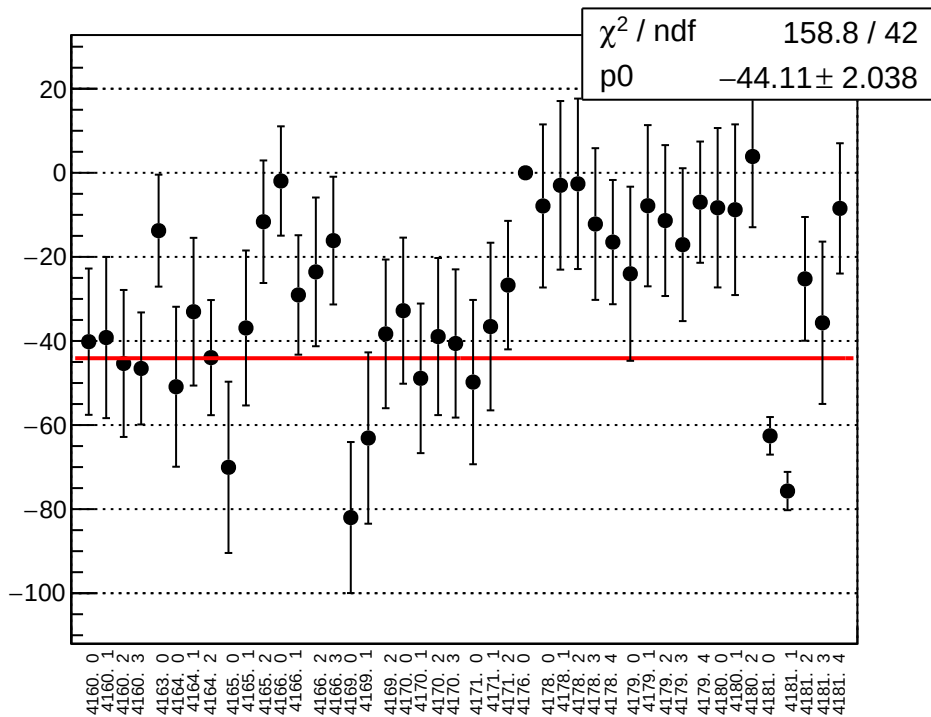


reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs run

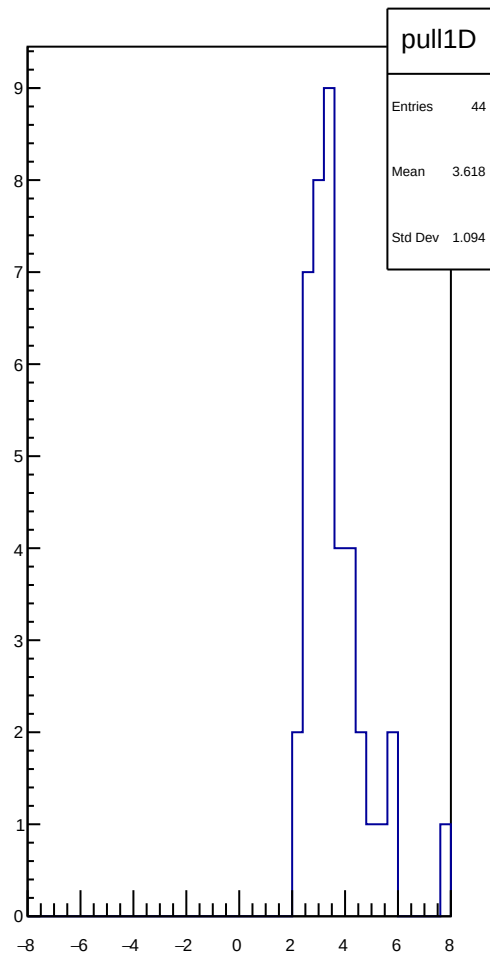
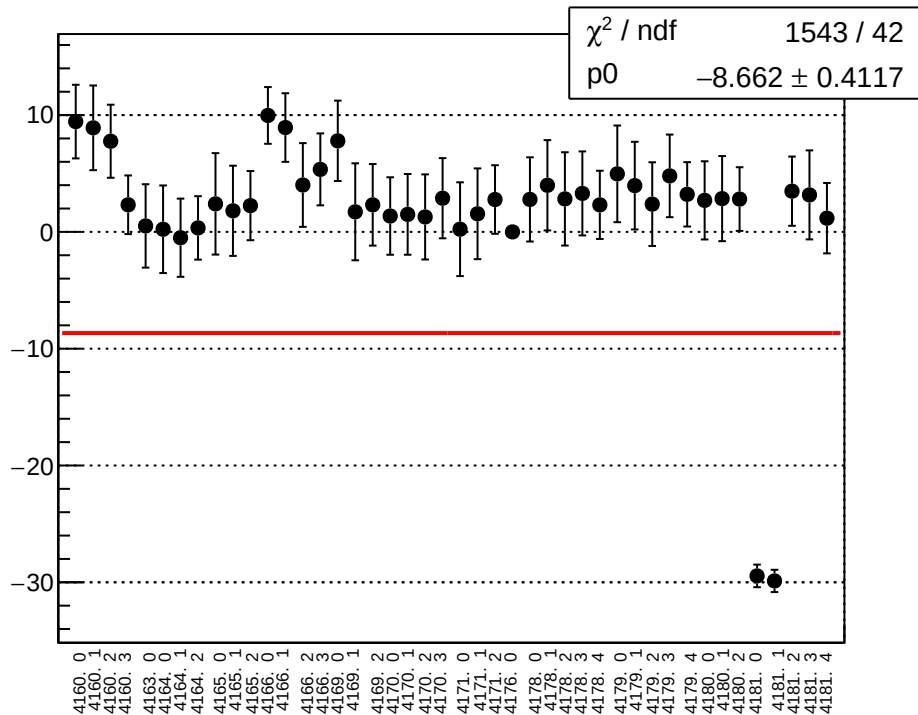




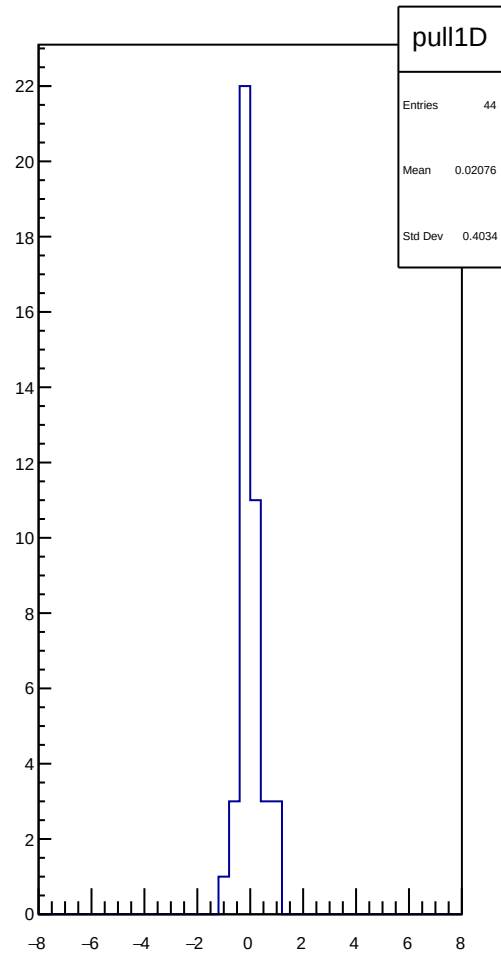
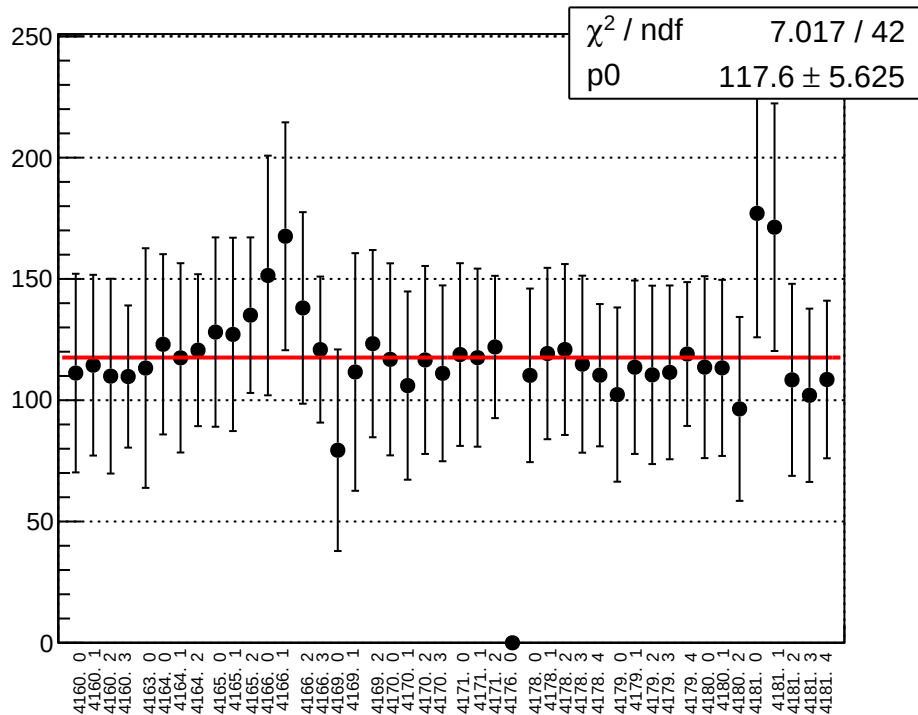
reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs run



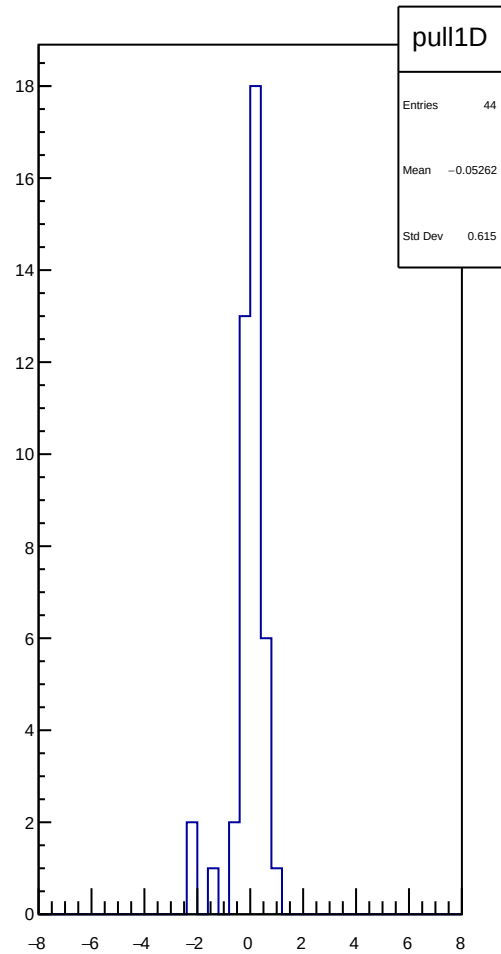
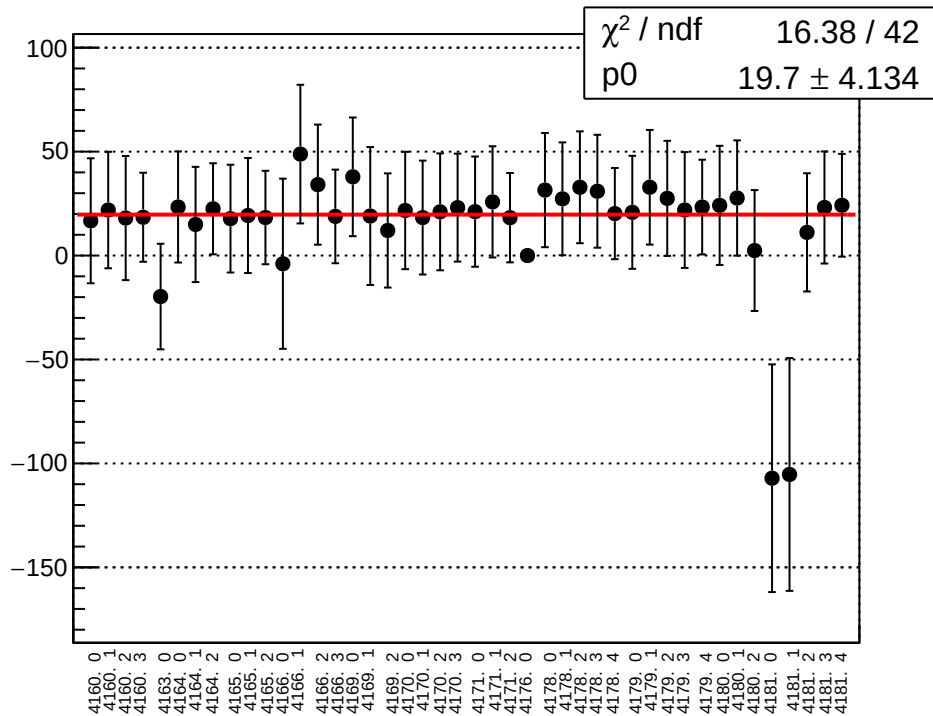
reg\_asym\_sam\_15\_dd\_diff\_bpm11X\_slope vs run



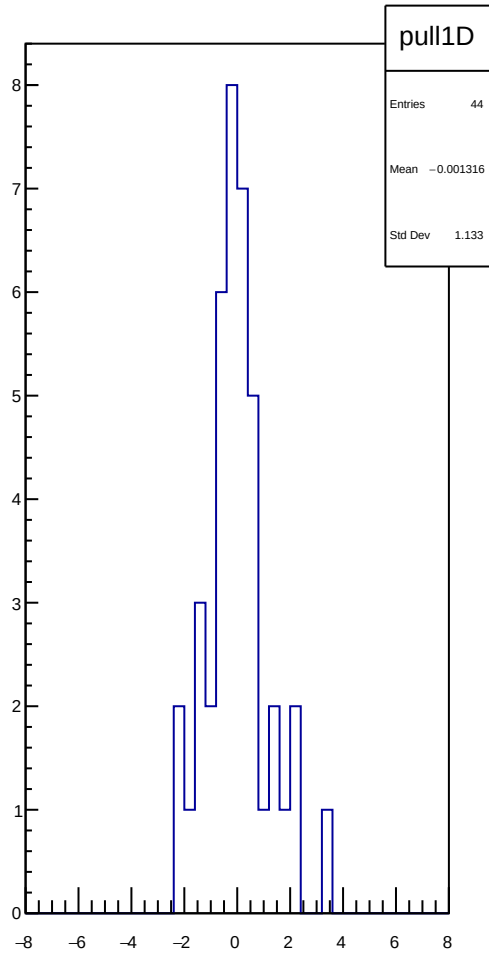
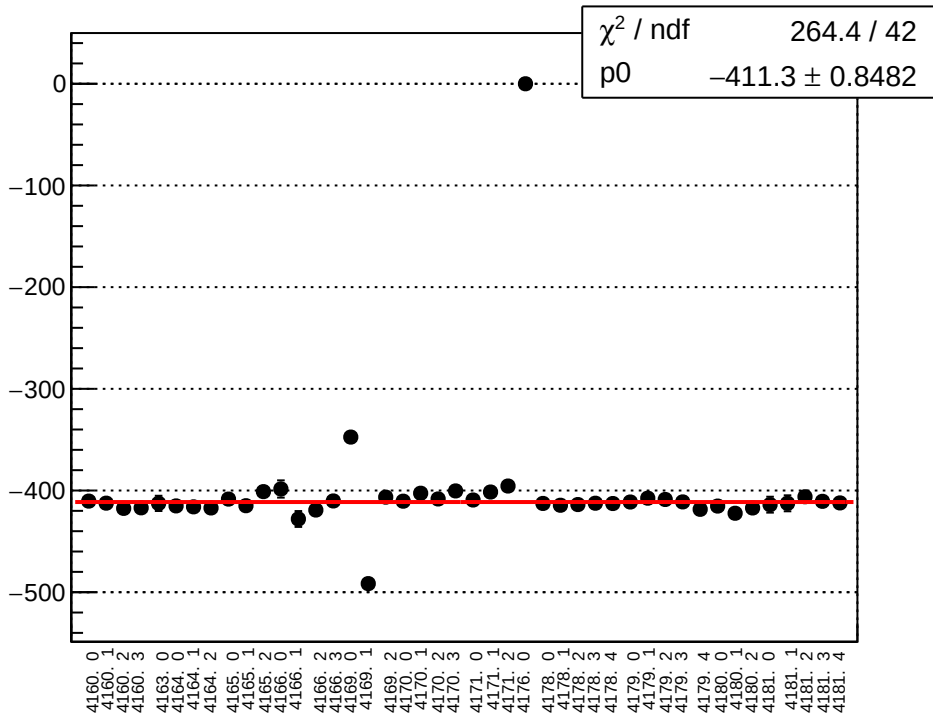
reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs run



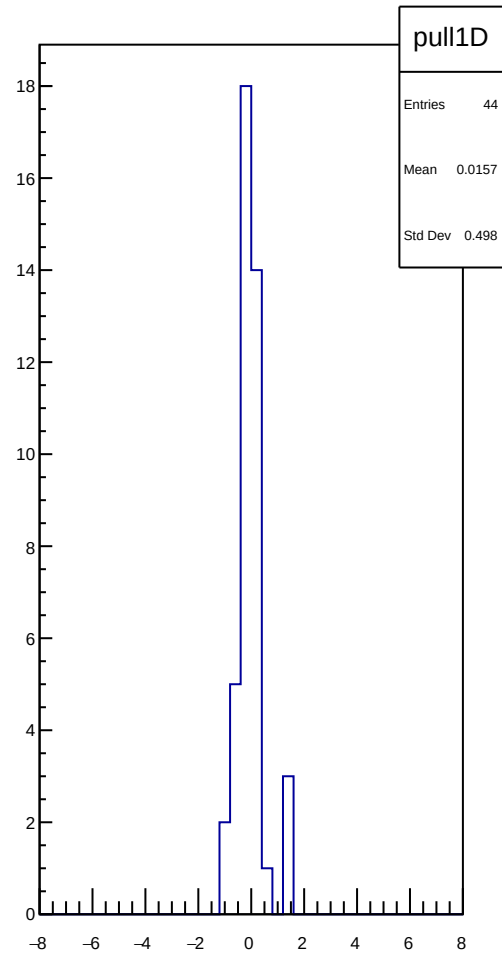
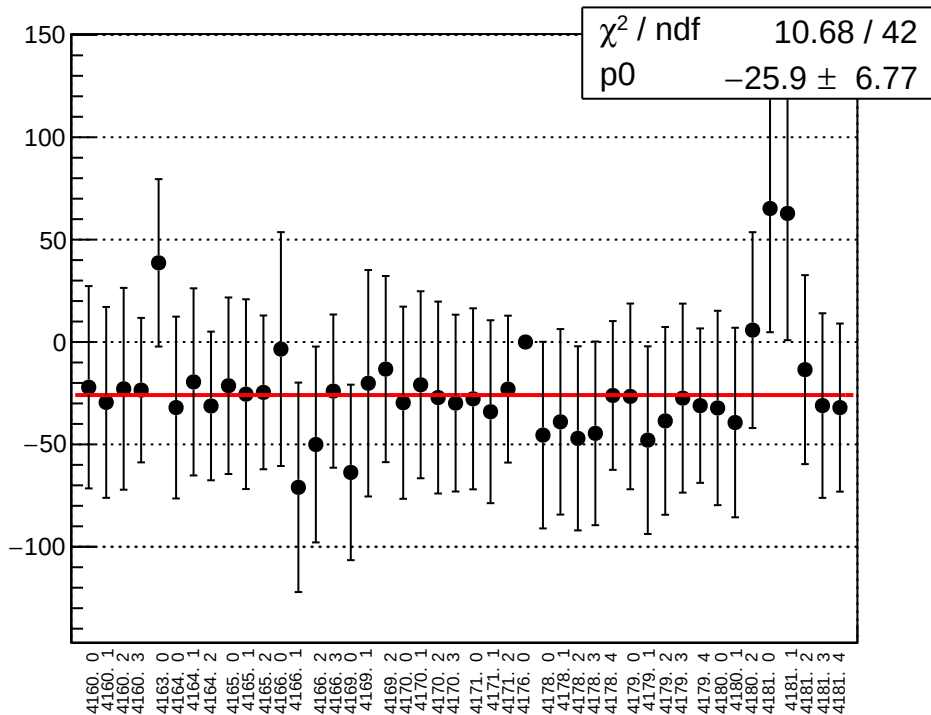
reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs run



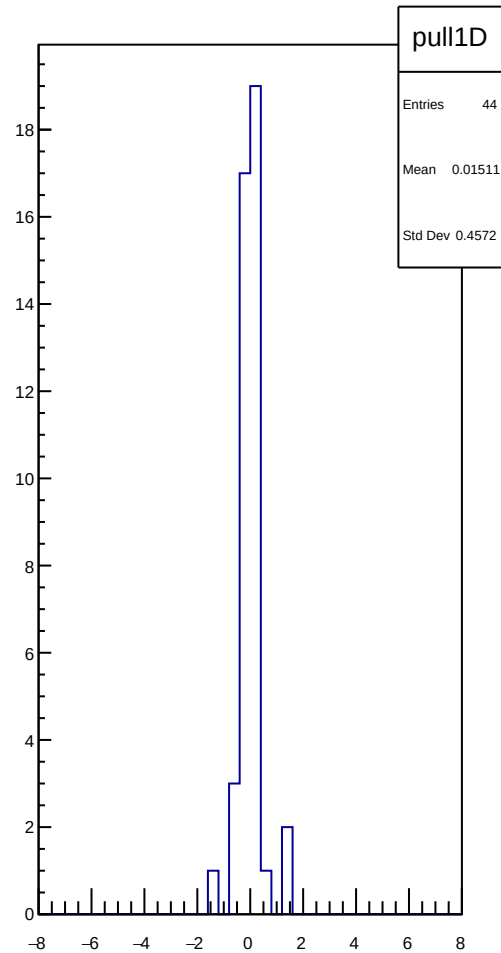
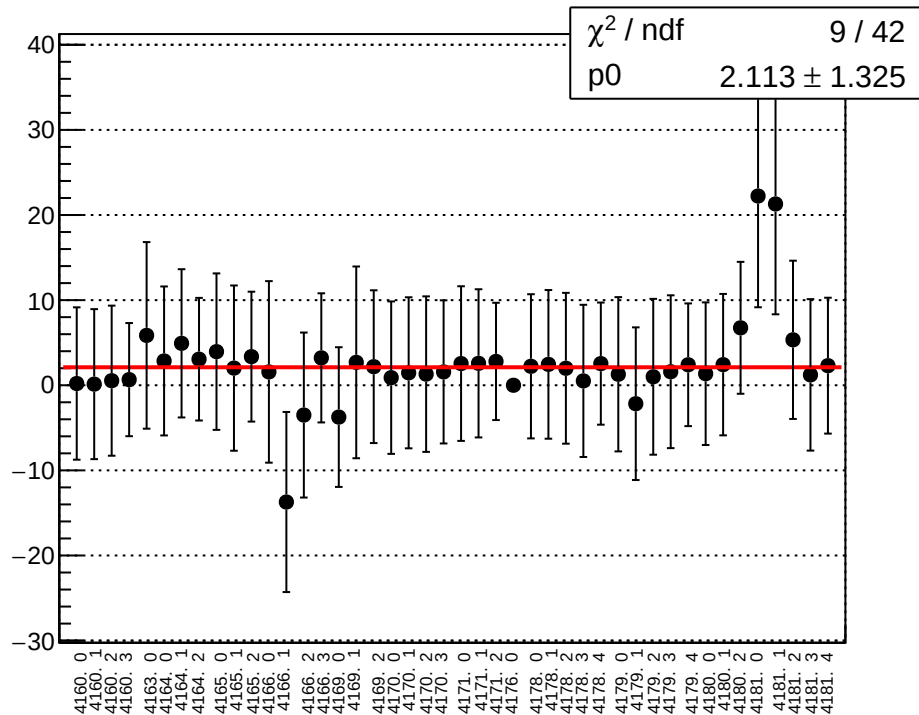
reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs run



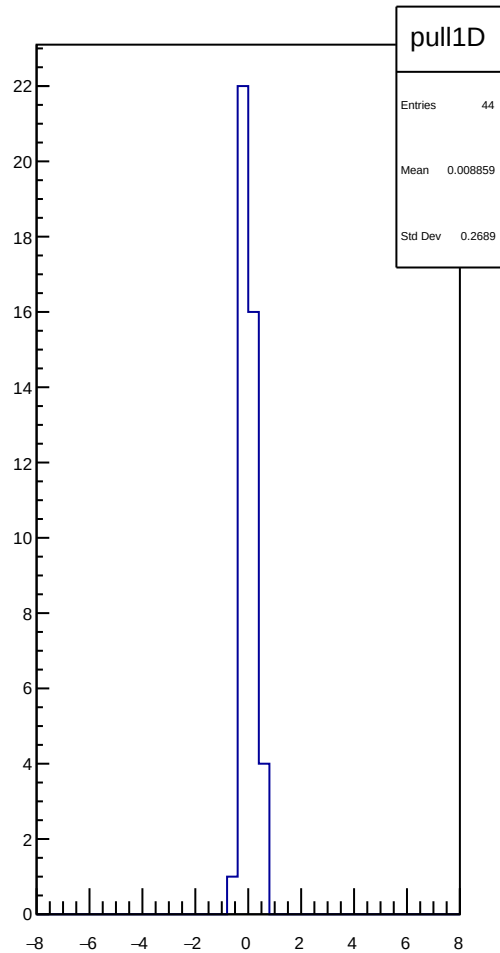
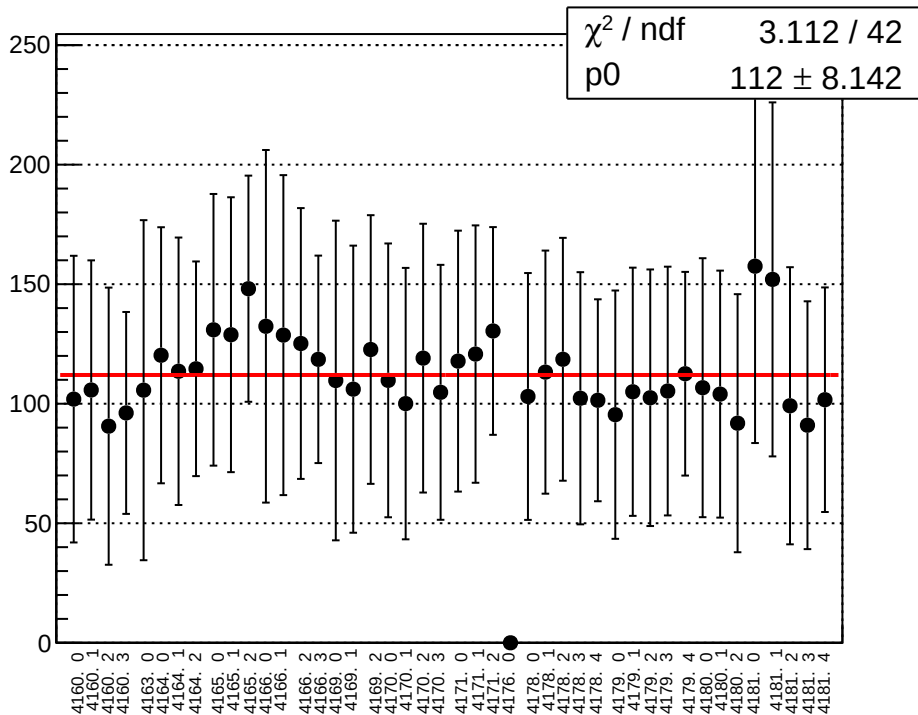
reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs run



reg\_asym\_sam\_37\_avg\_diff\_bpm11X\_slope vs run

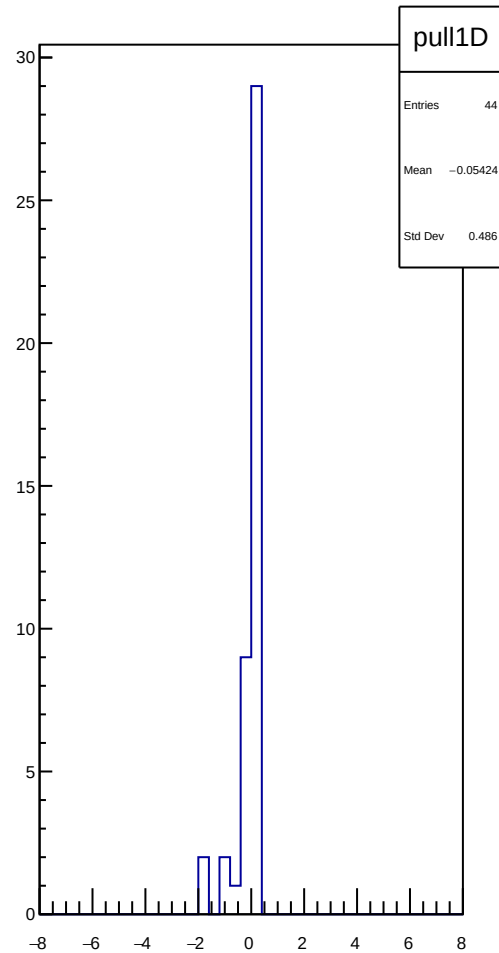
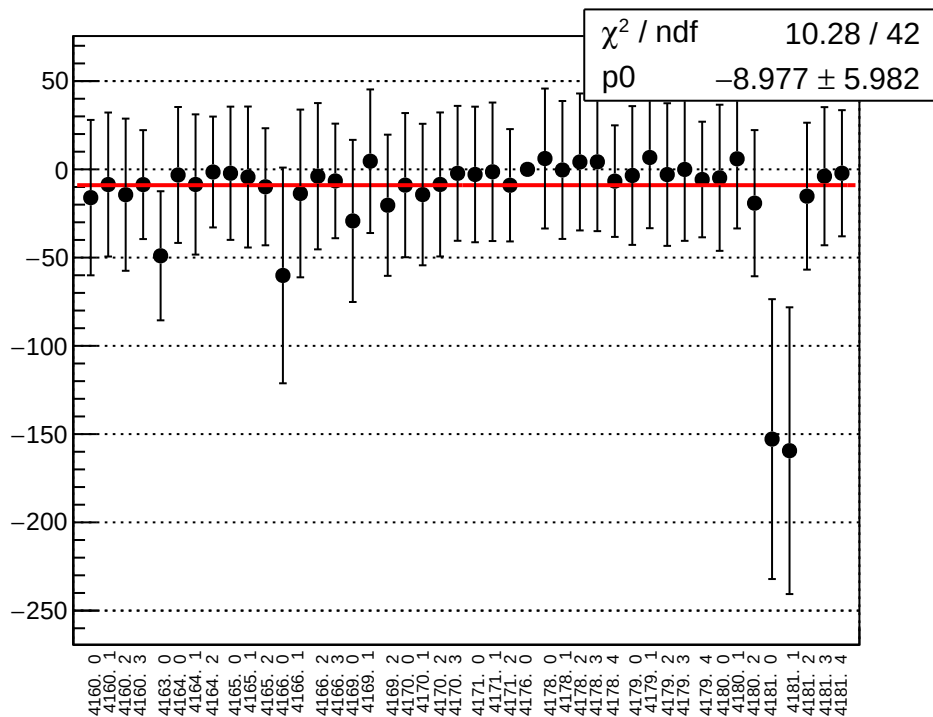


reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs run

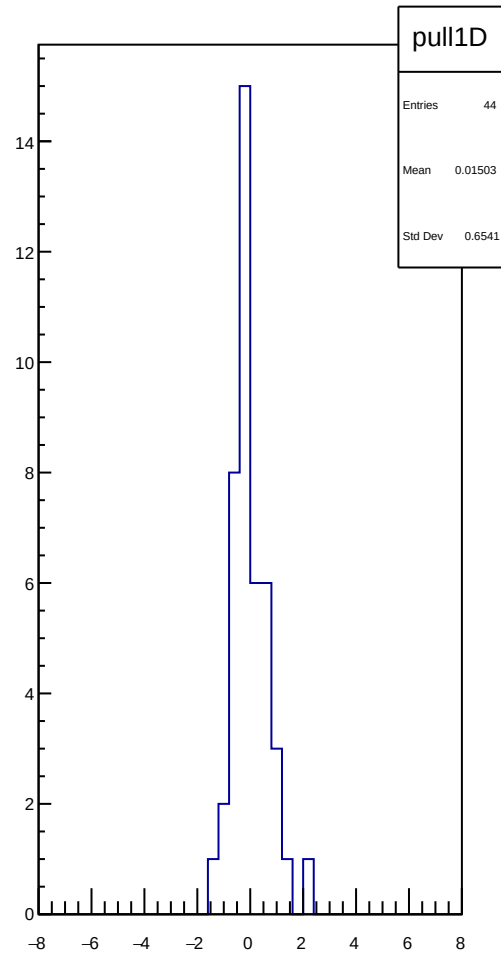
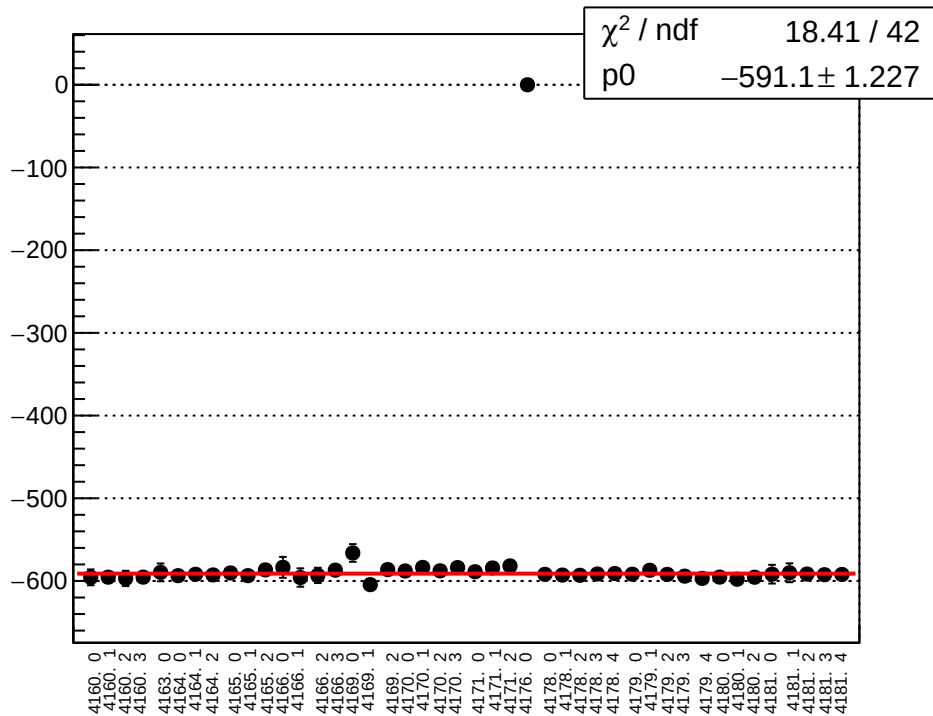




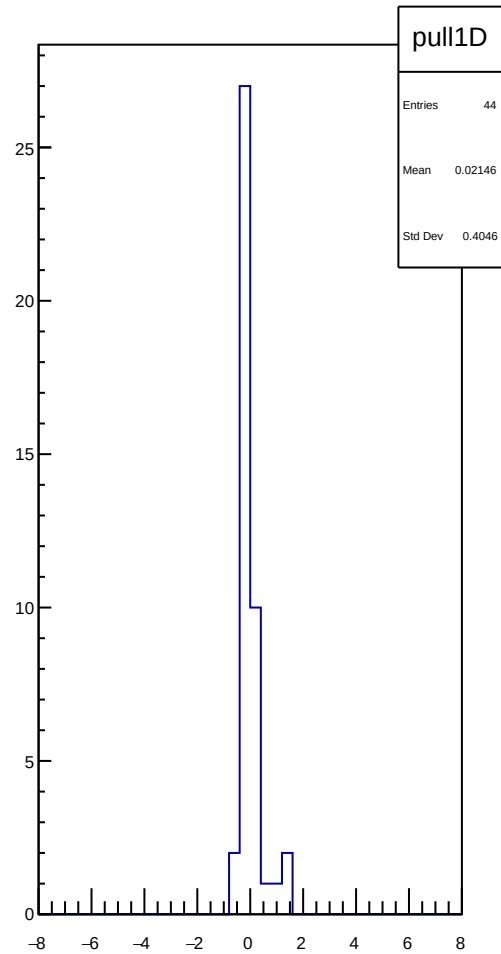
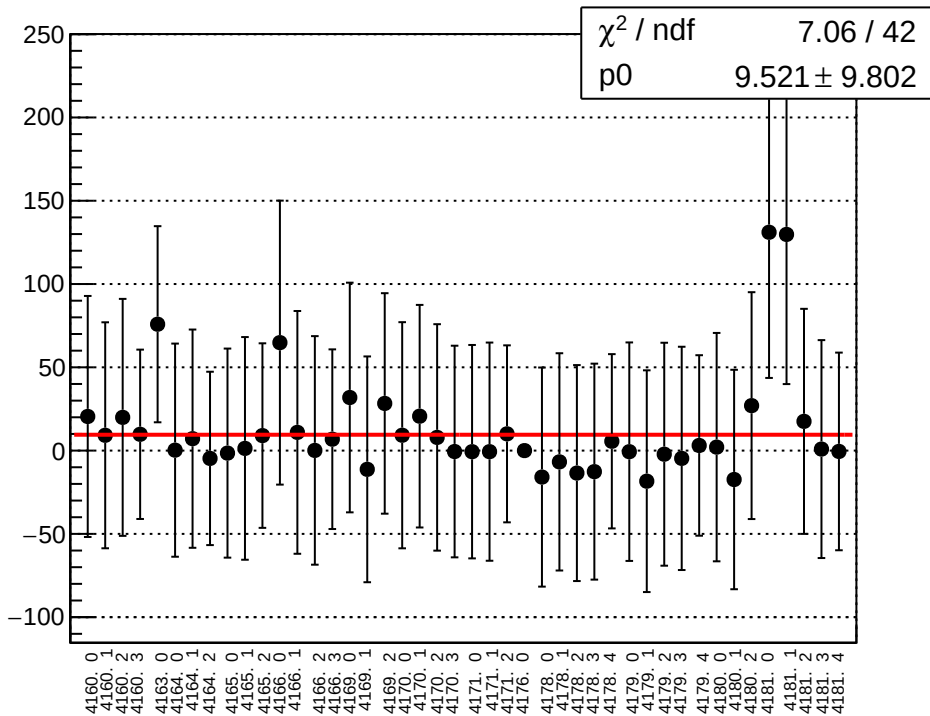
reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs run



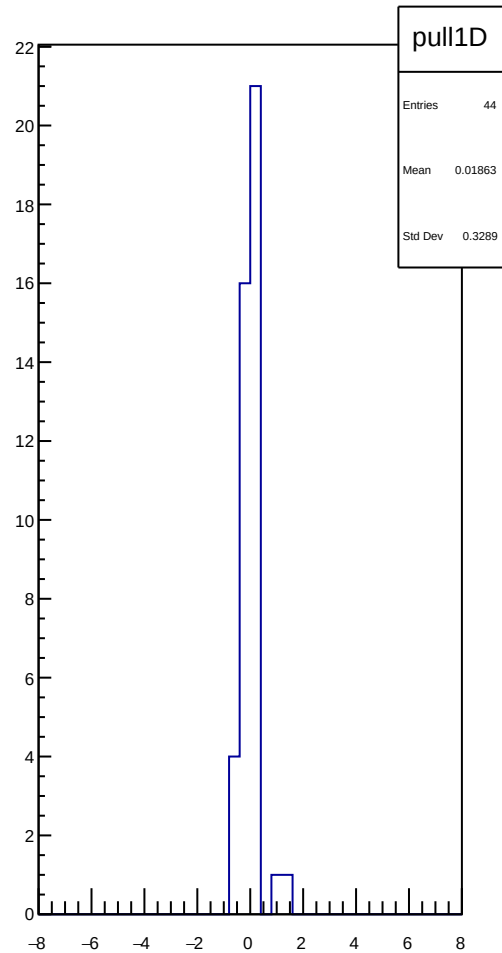
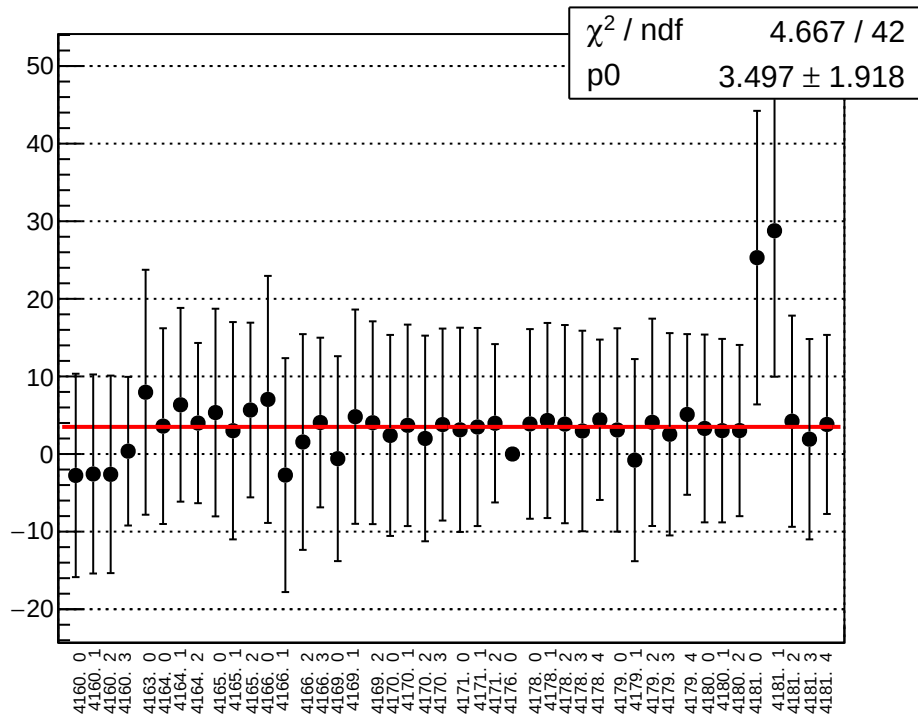
reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs run



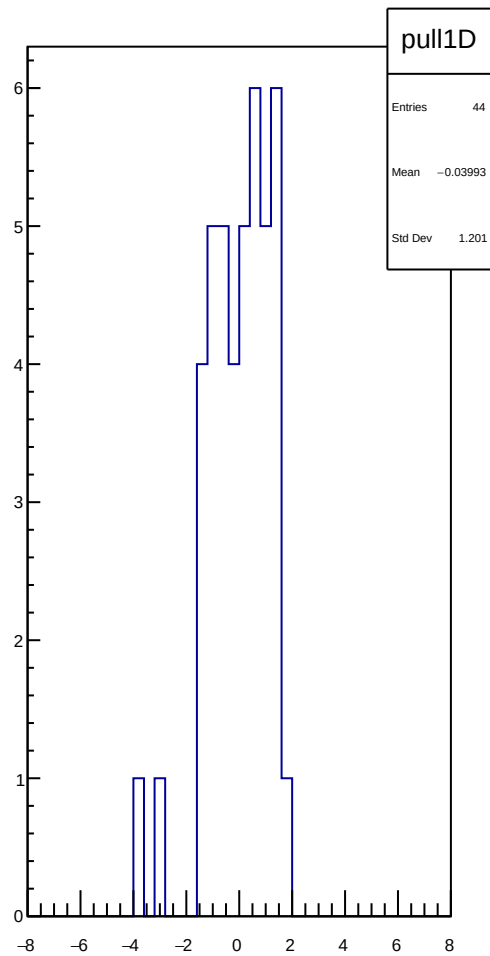
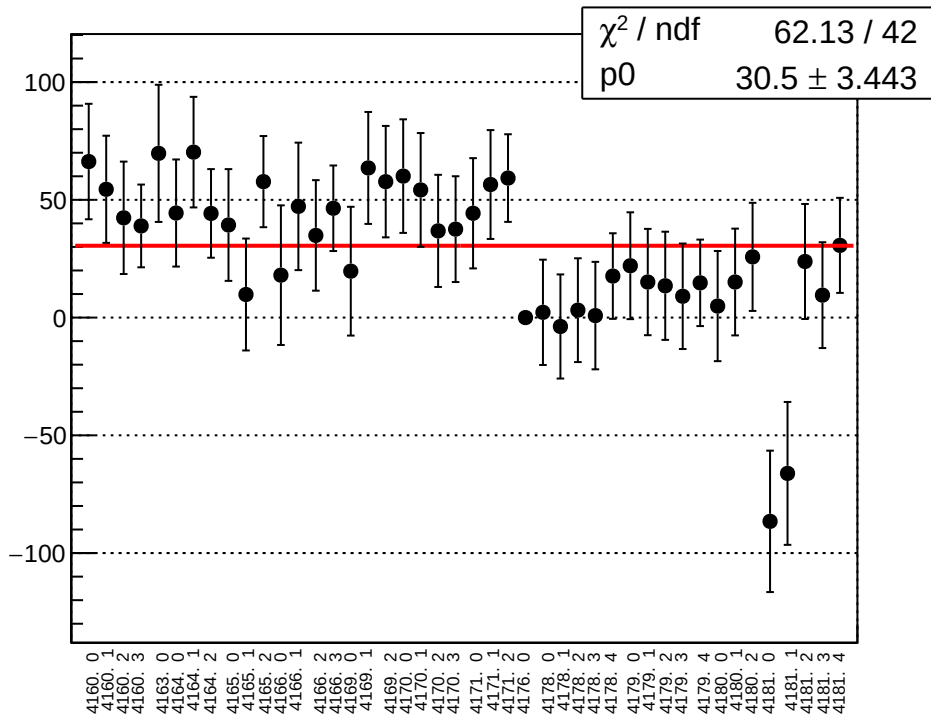
reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs run



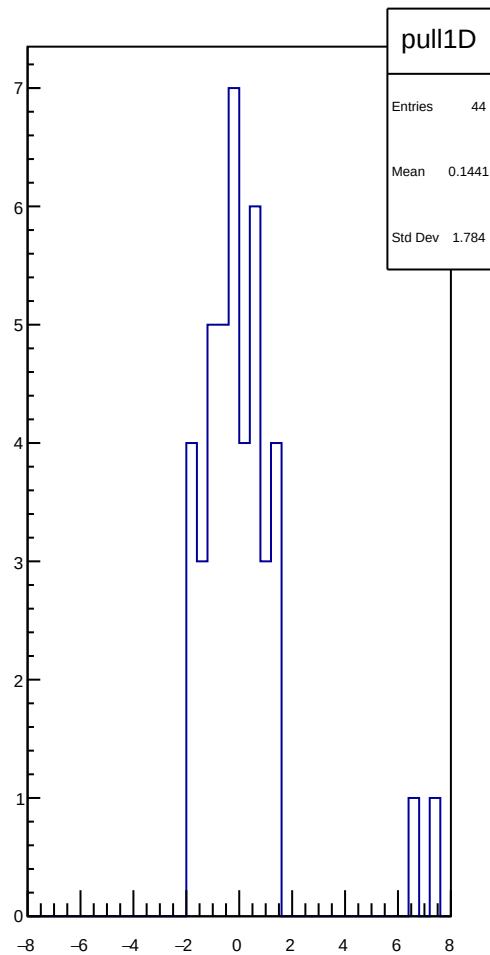
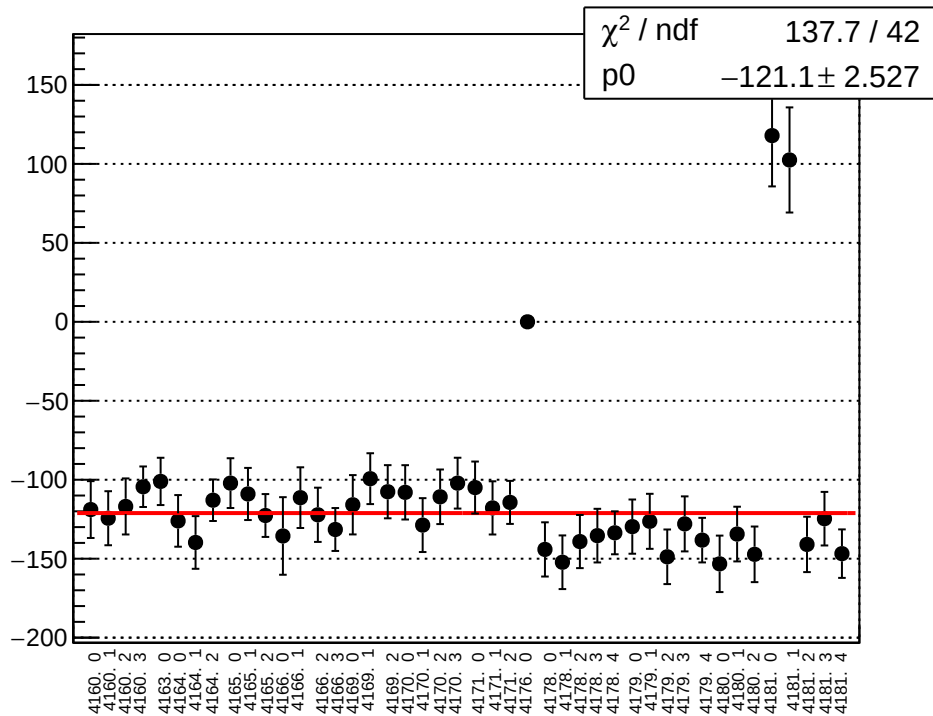
reg\_asym\_sam\_37\_dd\_diff\_bpm11X\_slope vs run



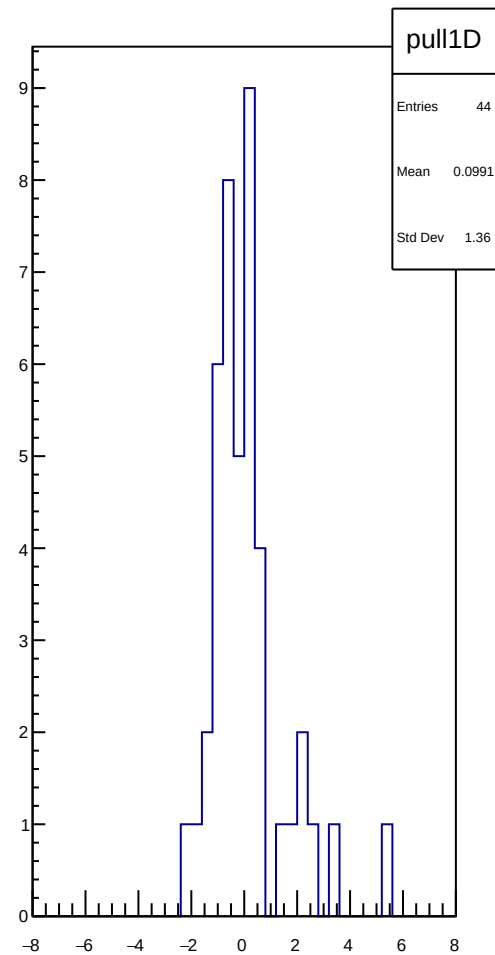
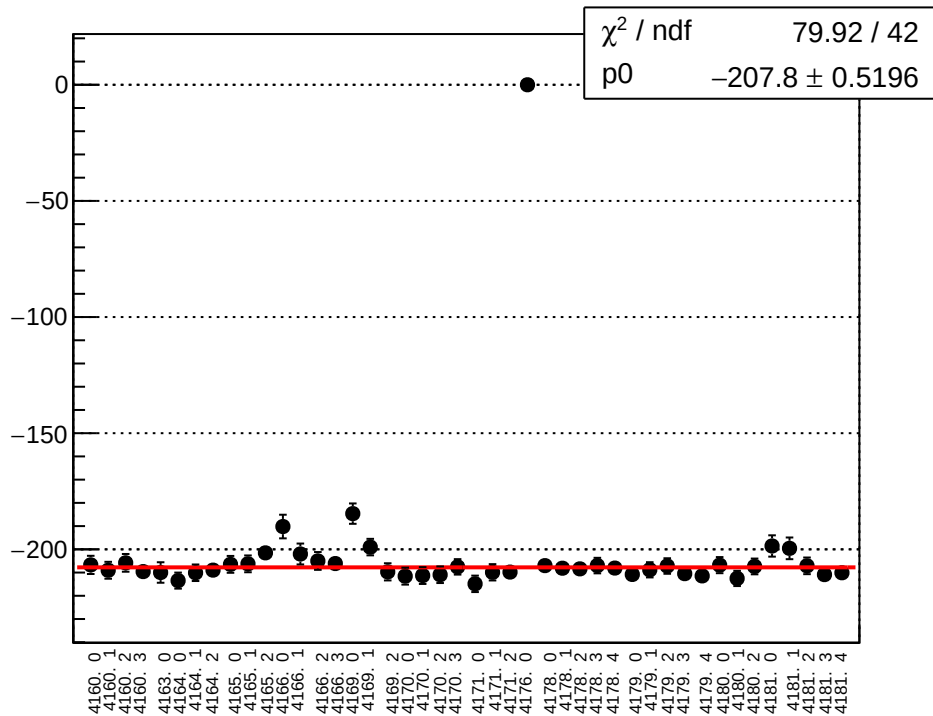
reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs run



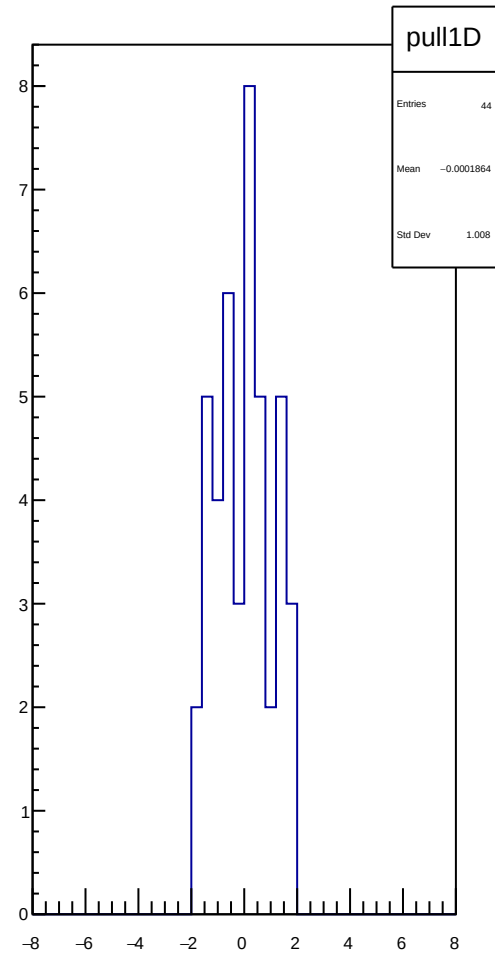
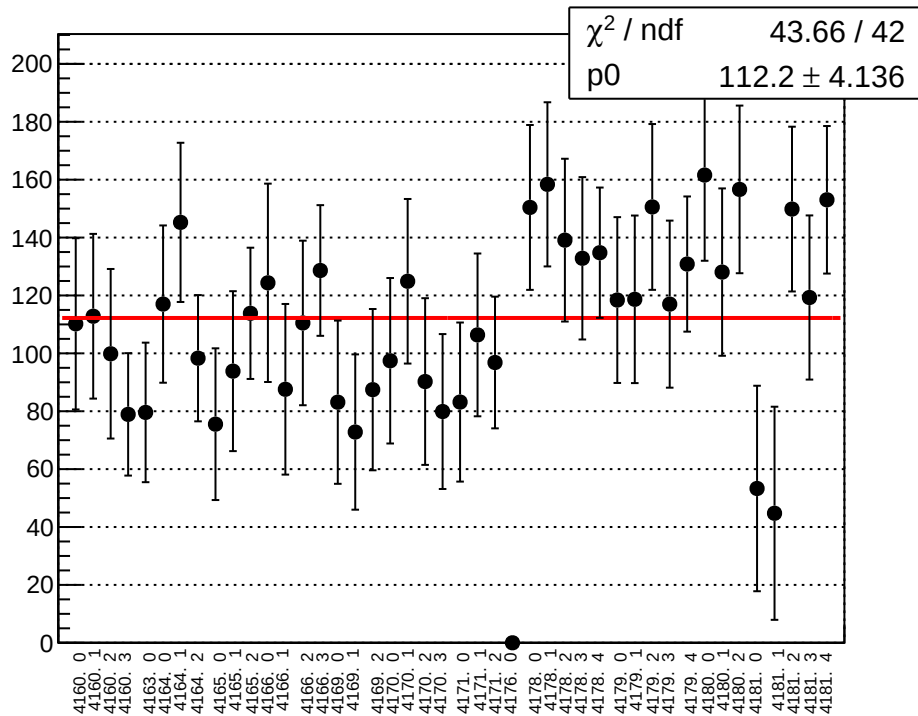
reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs run



reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs run

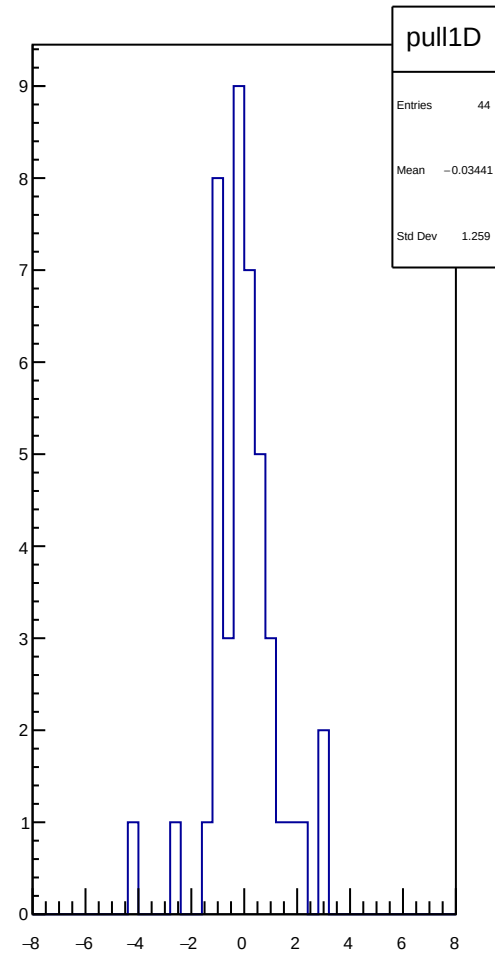
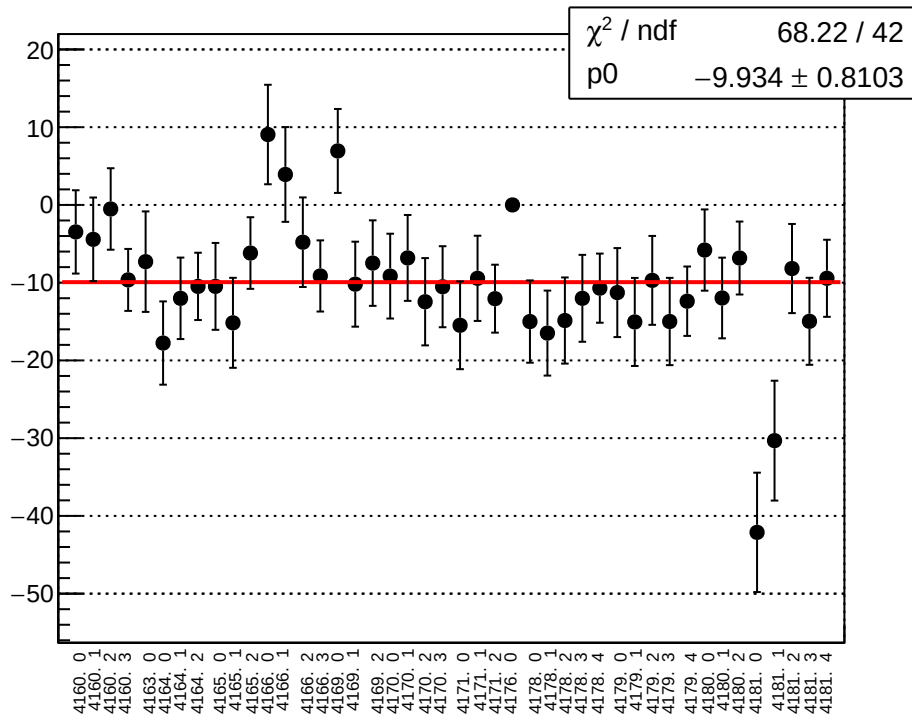


reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs run

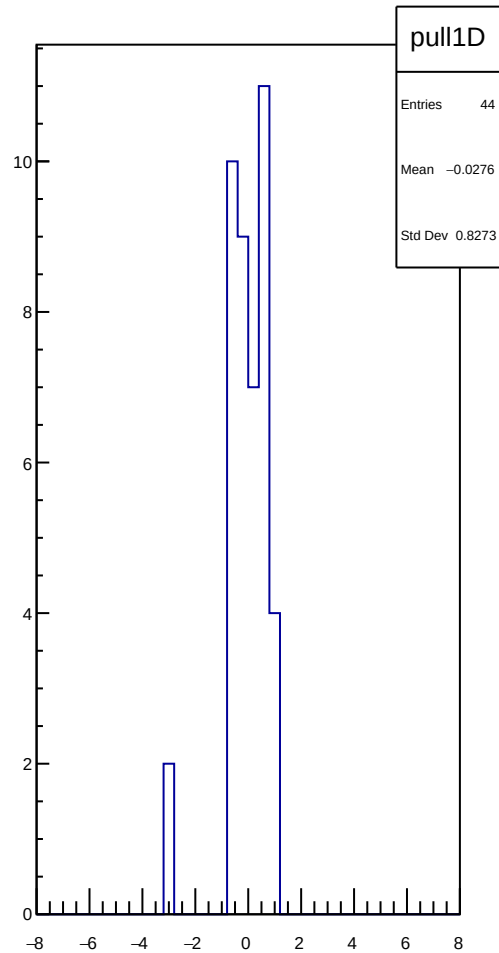
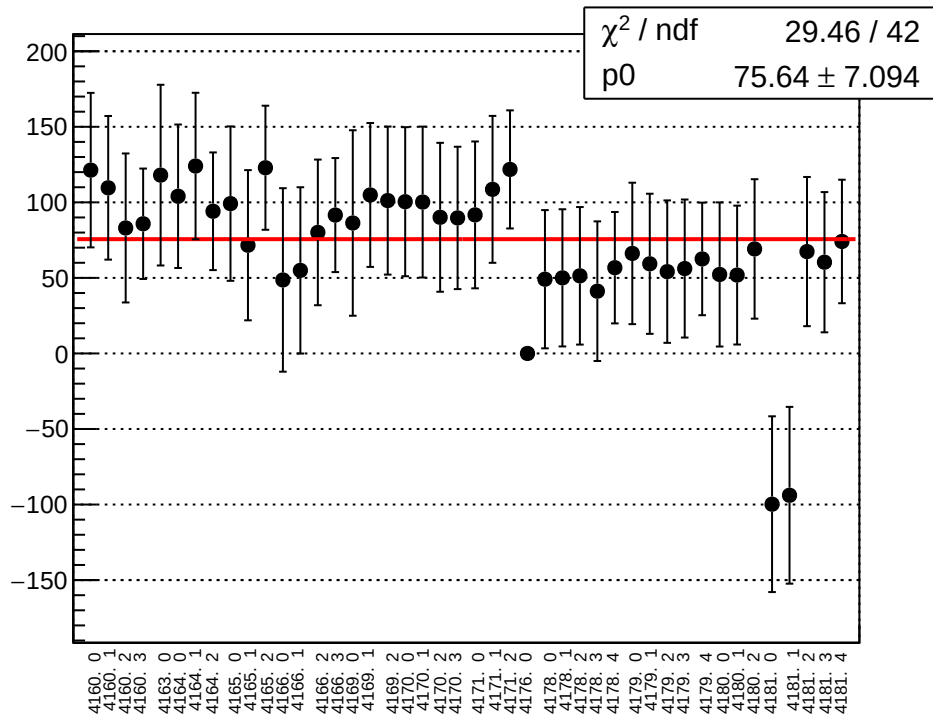




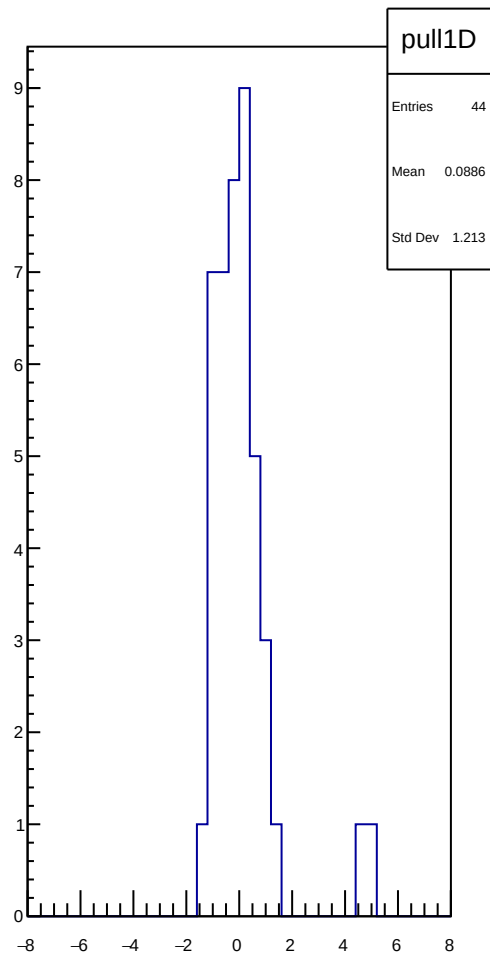
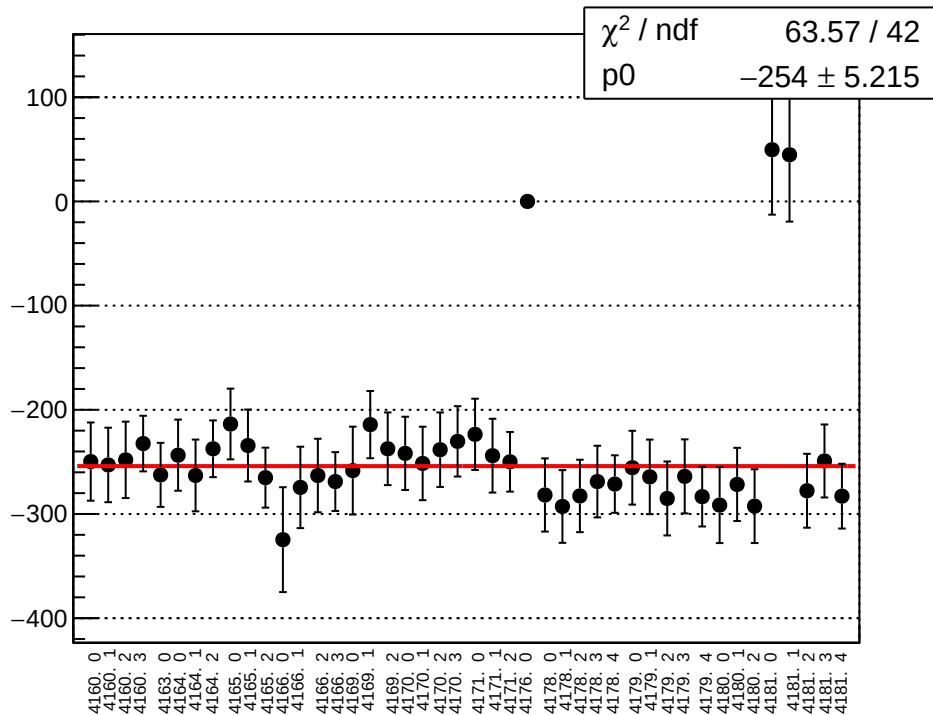
reg\_asym\_sam\_26\_avg\_diff\_bpm11X\_slope vs run



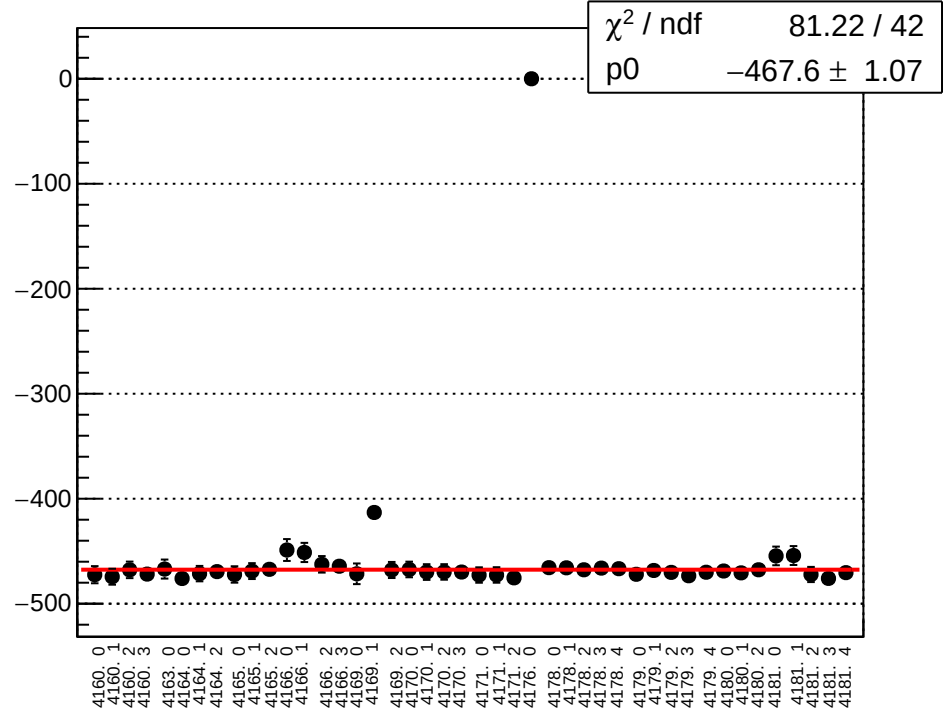
reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs run



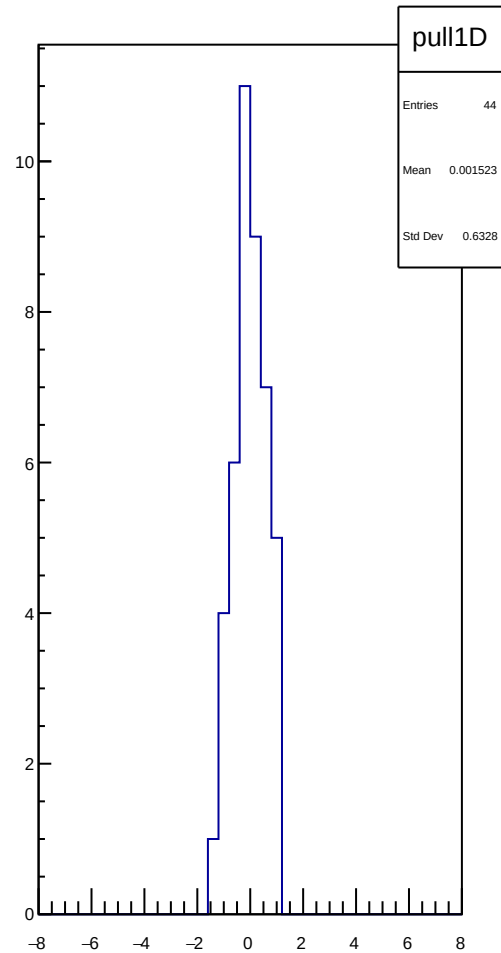
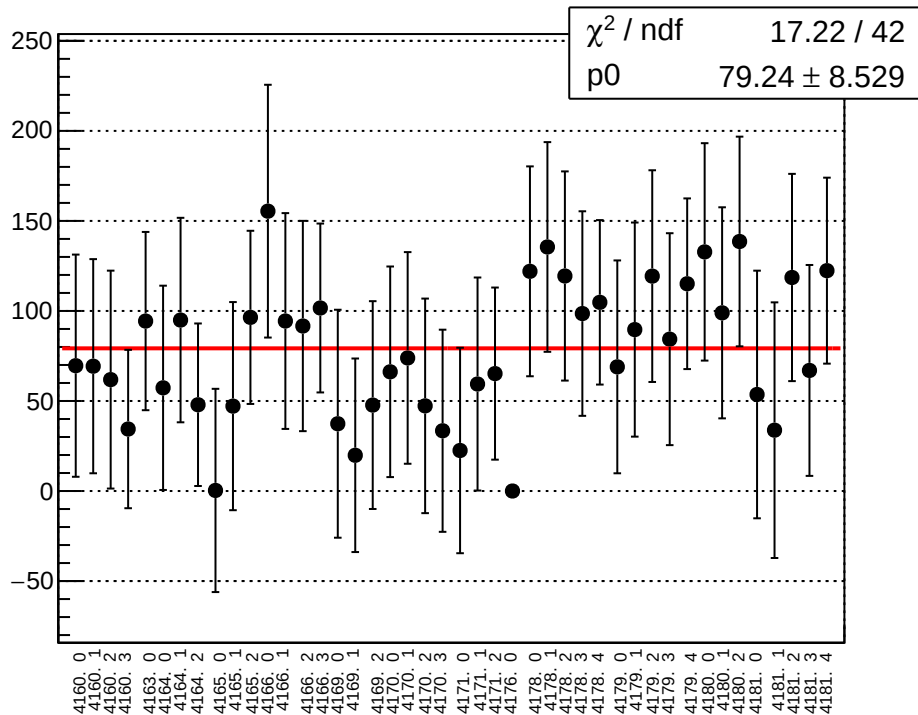
reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs run



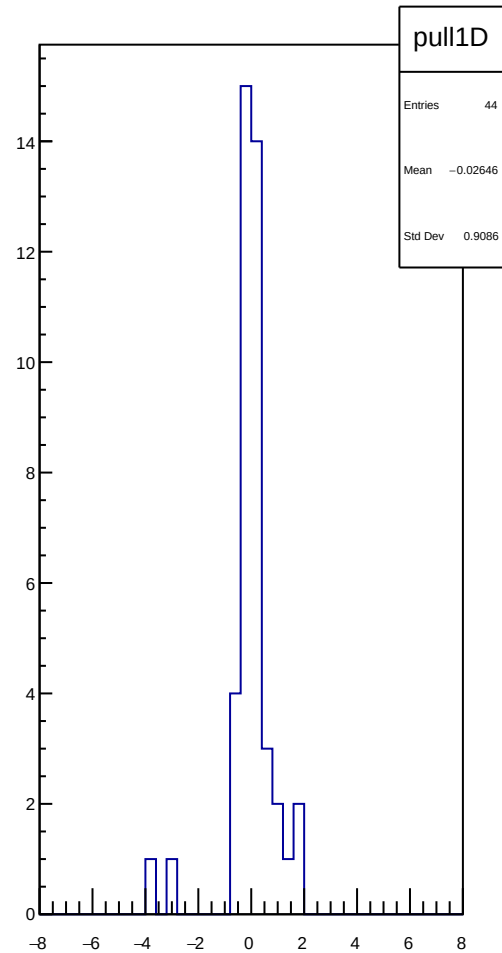
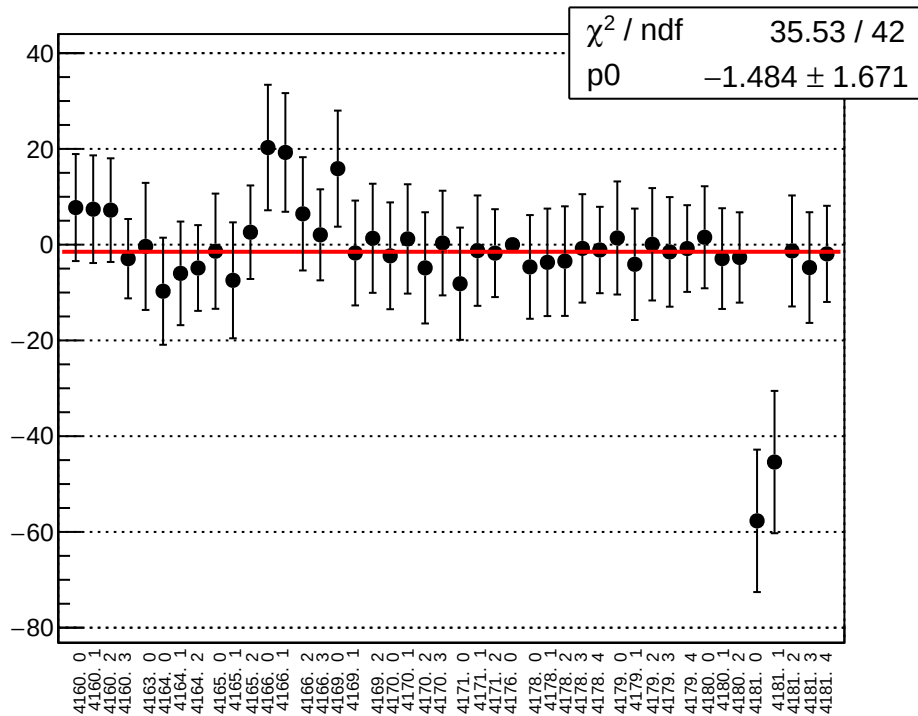
reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs run



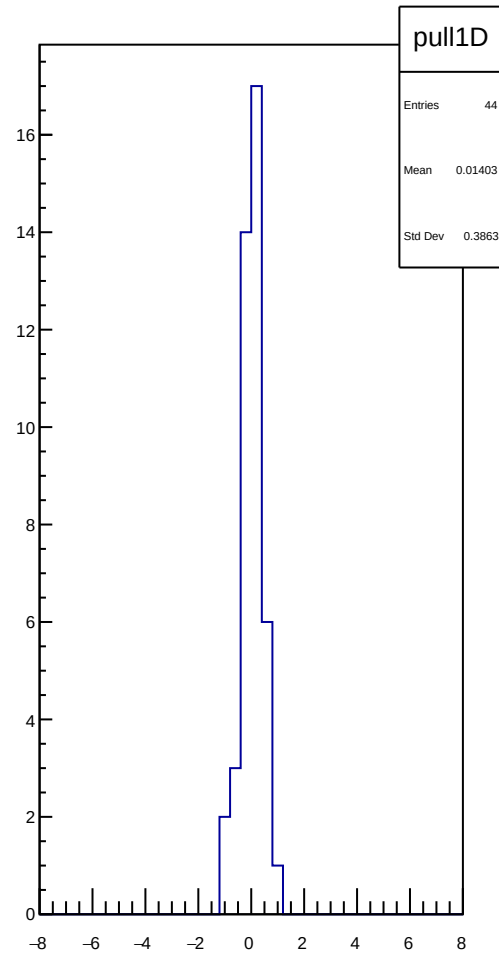
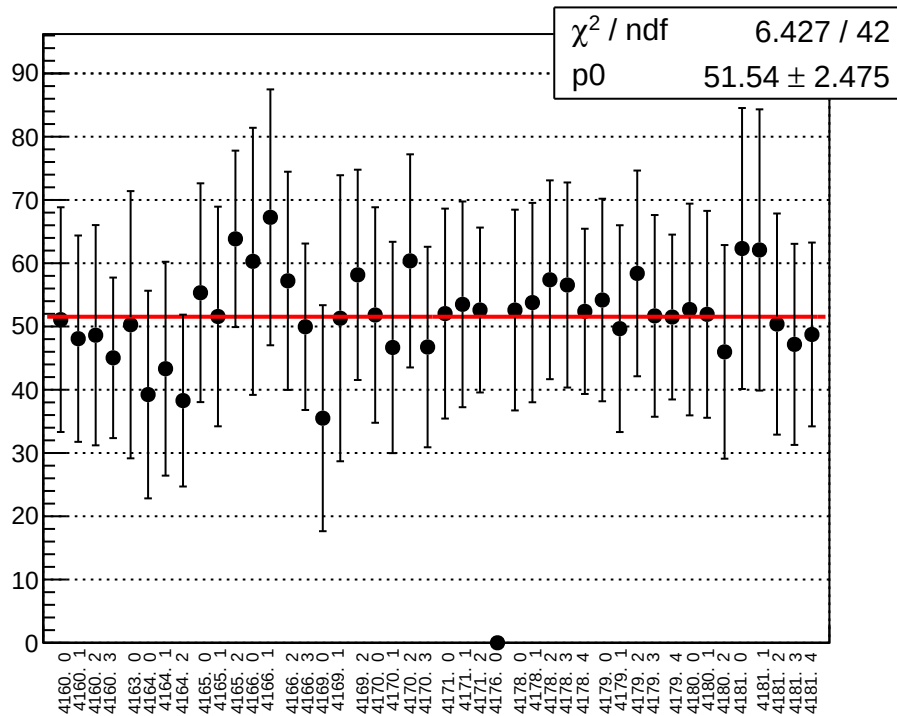
reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs run



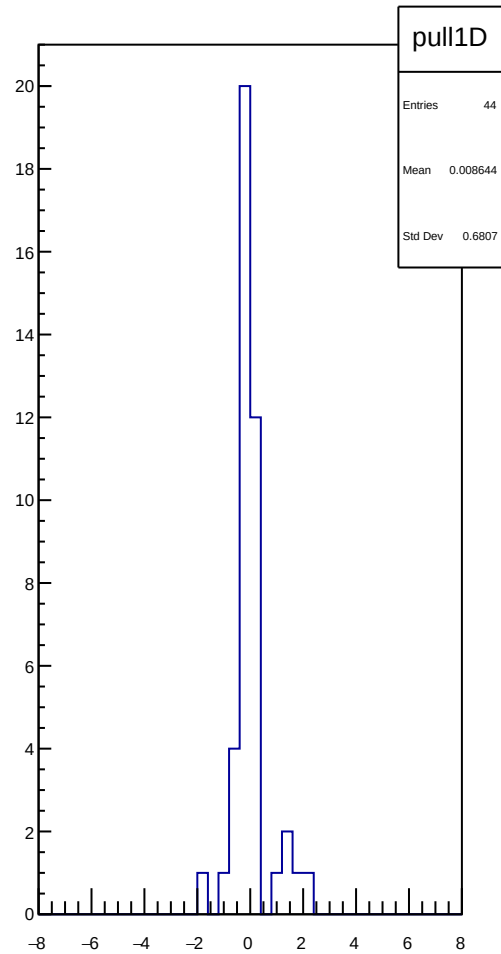
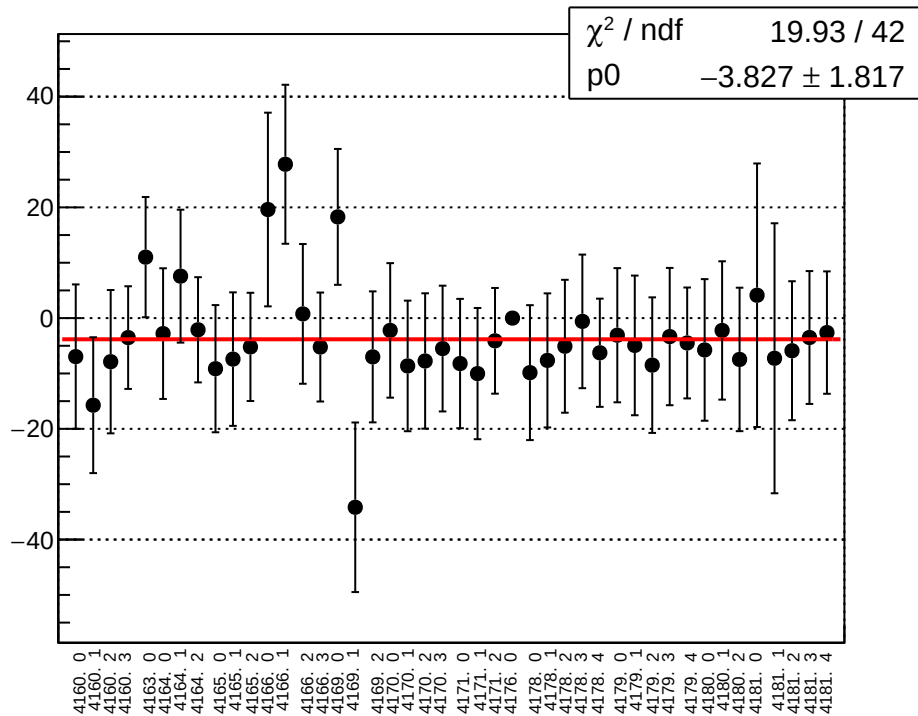
reg\_asym\_sam\_26\_dd\_diff\_bpm11X\_slope vs run



reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs run

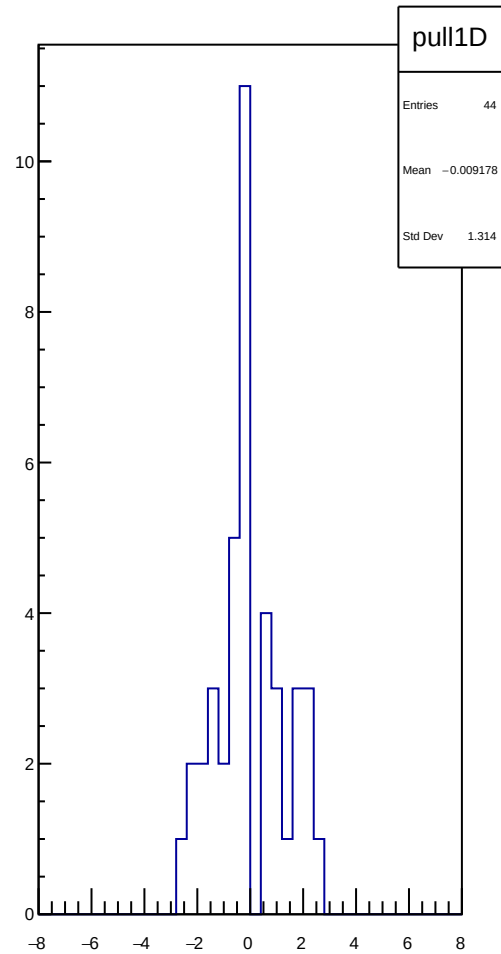
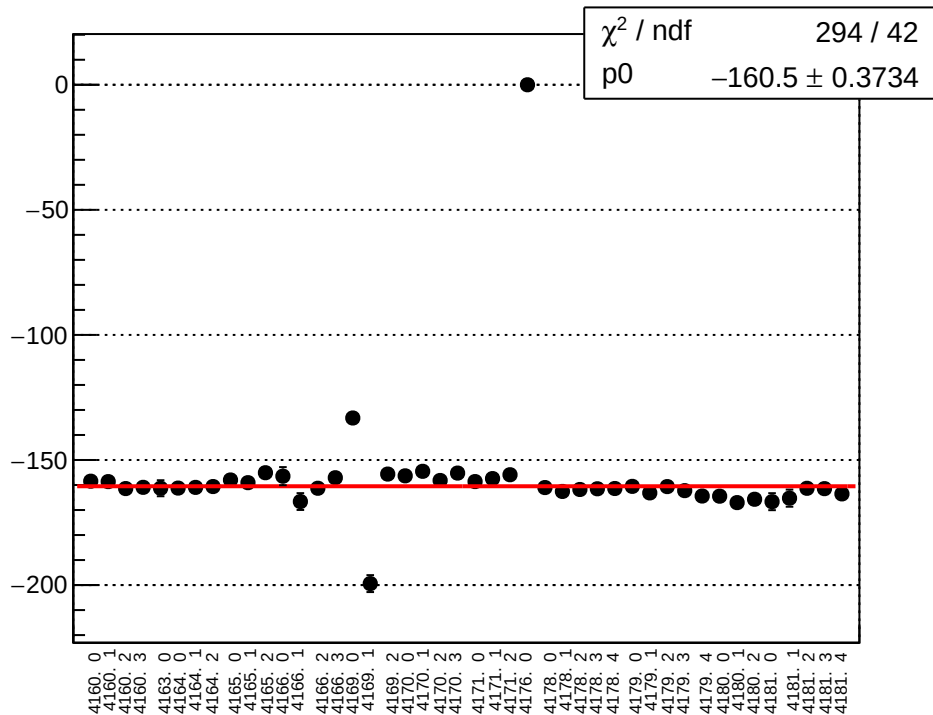


reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs run

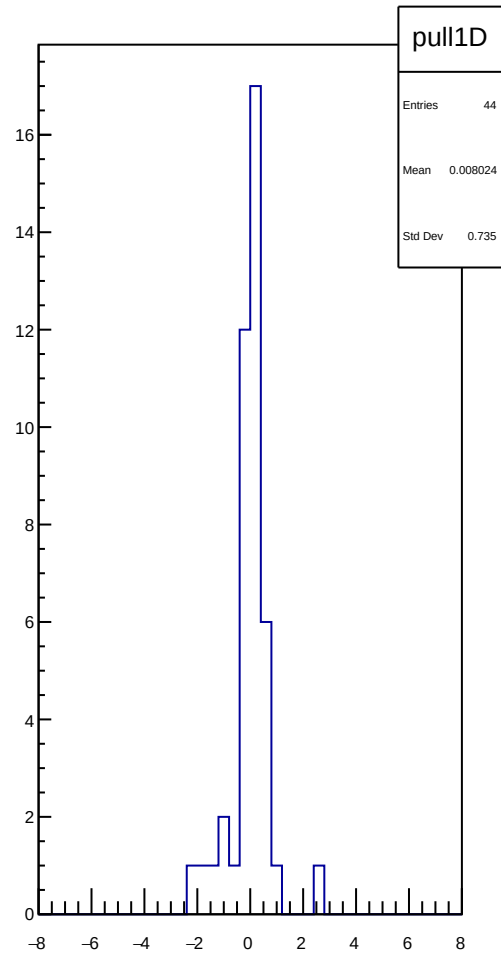
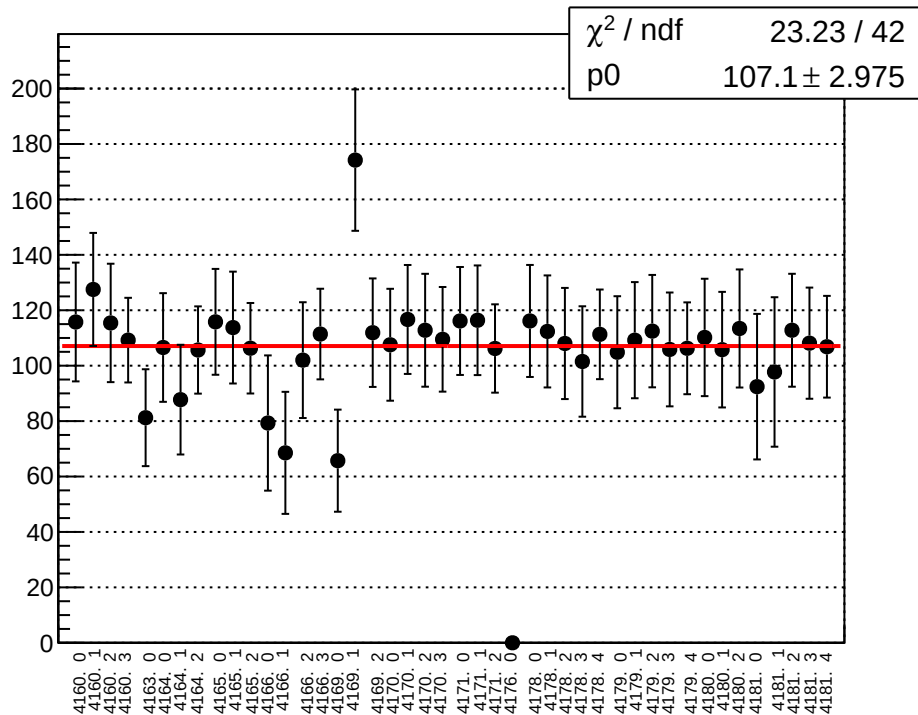




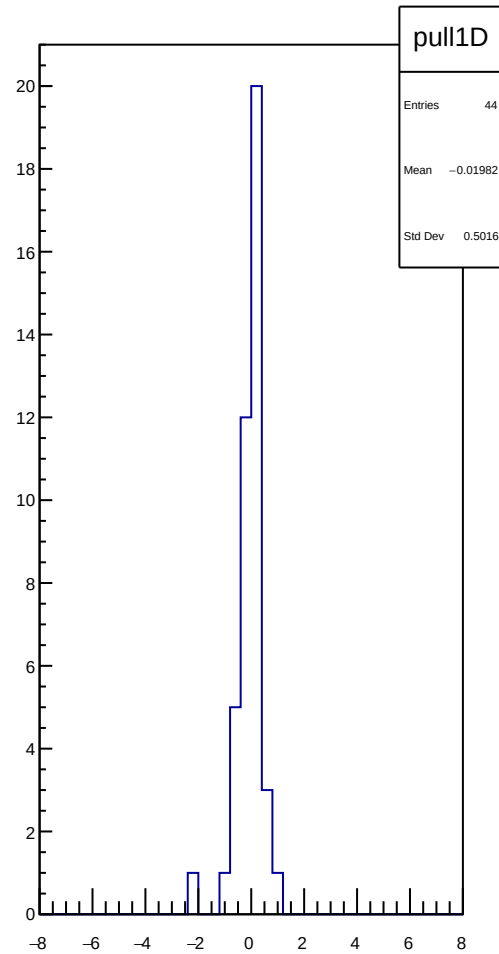
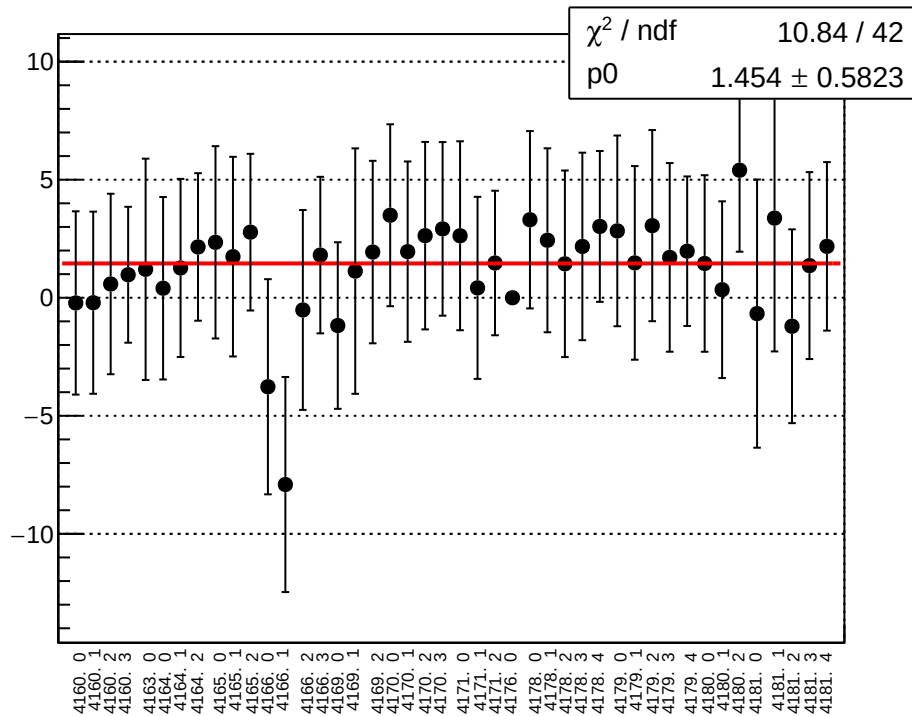
reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs run



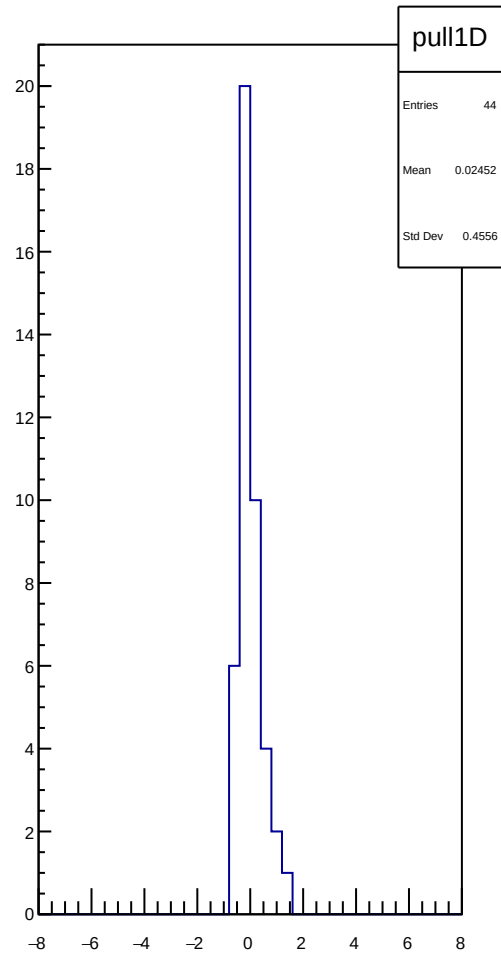
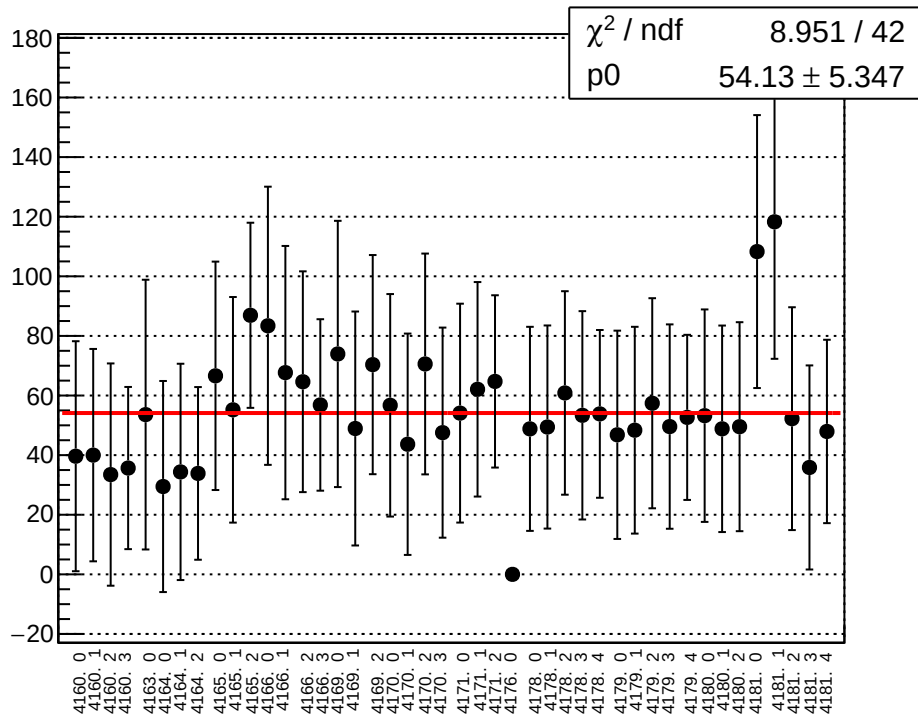
reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs run



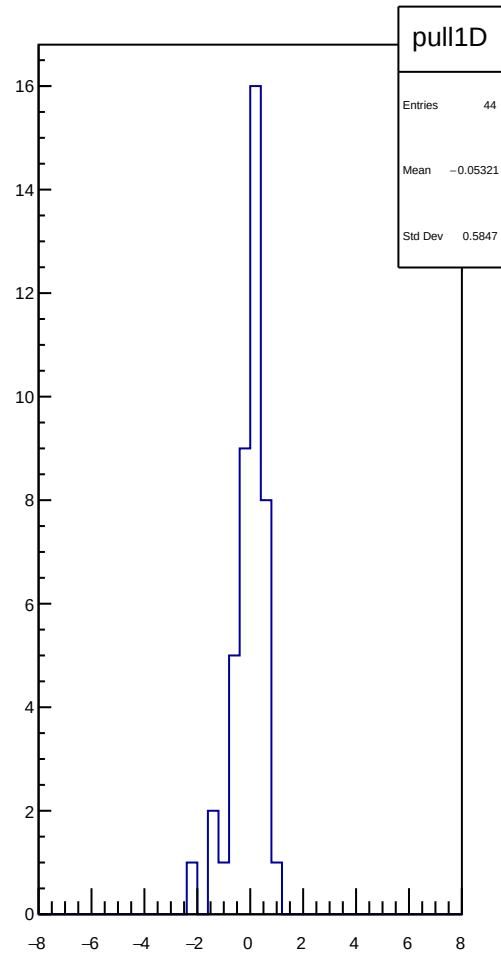
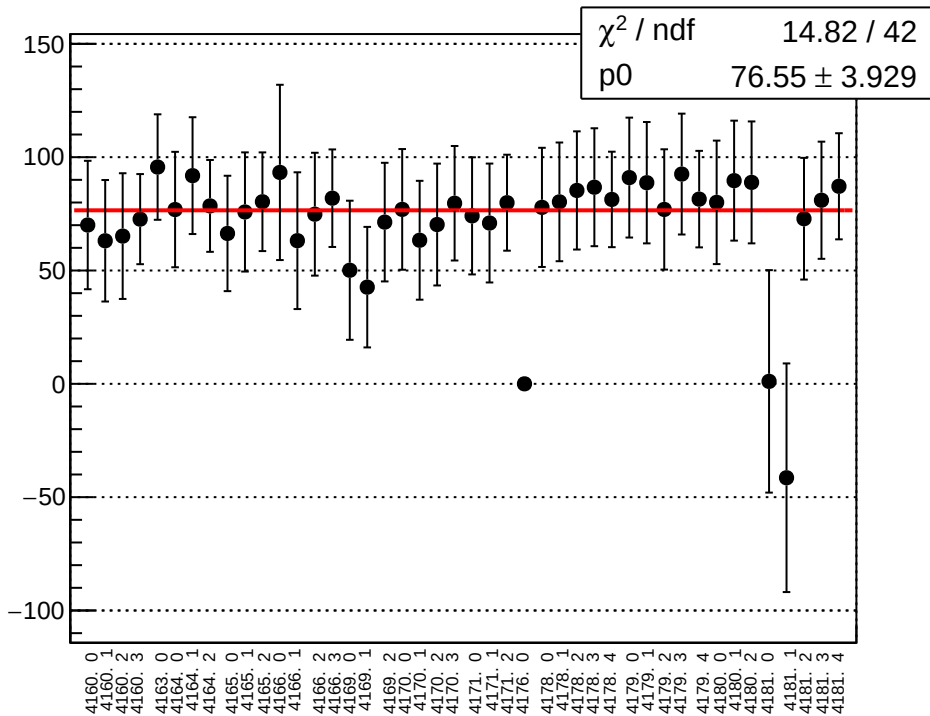
reg\_asym\_sam\_48\_avg\_diff\_bpm11X\_slope vs run



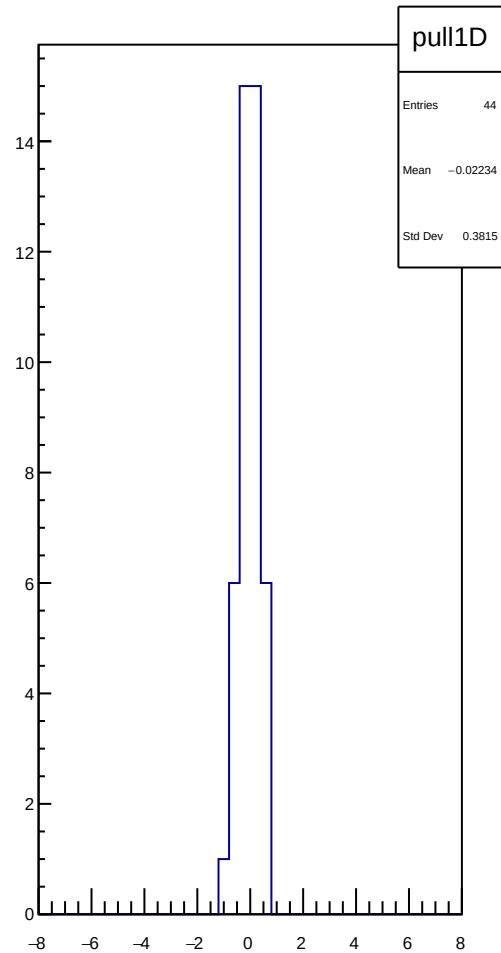
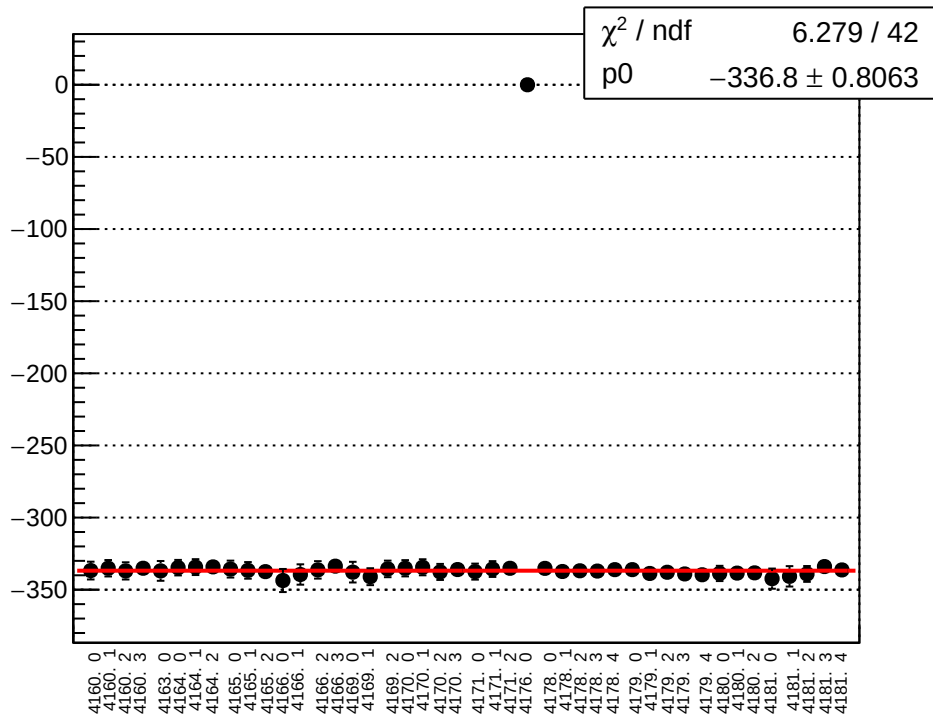
reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs run



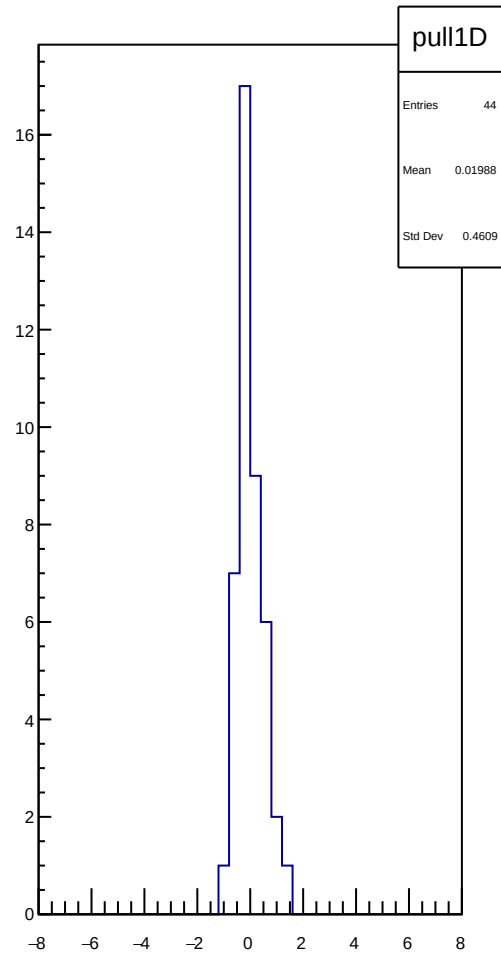
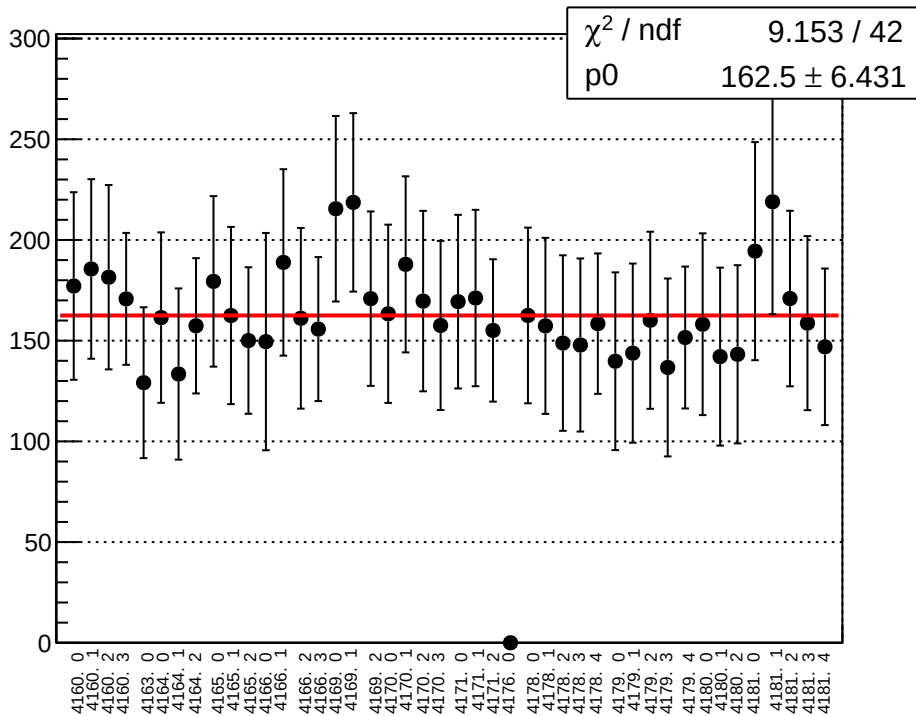
reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs run



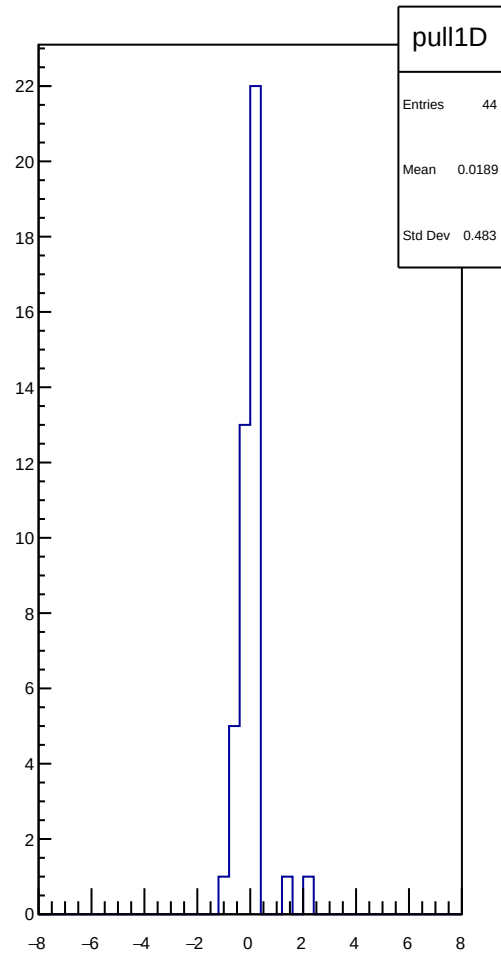
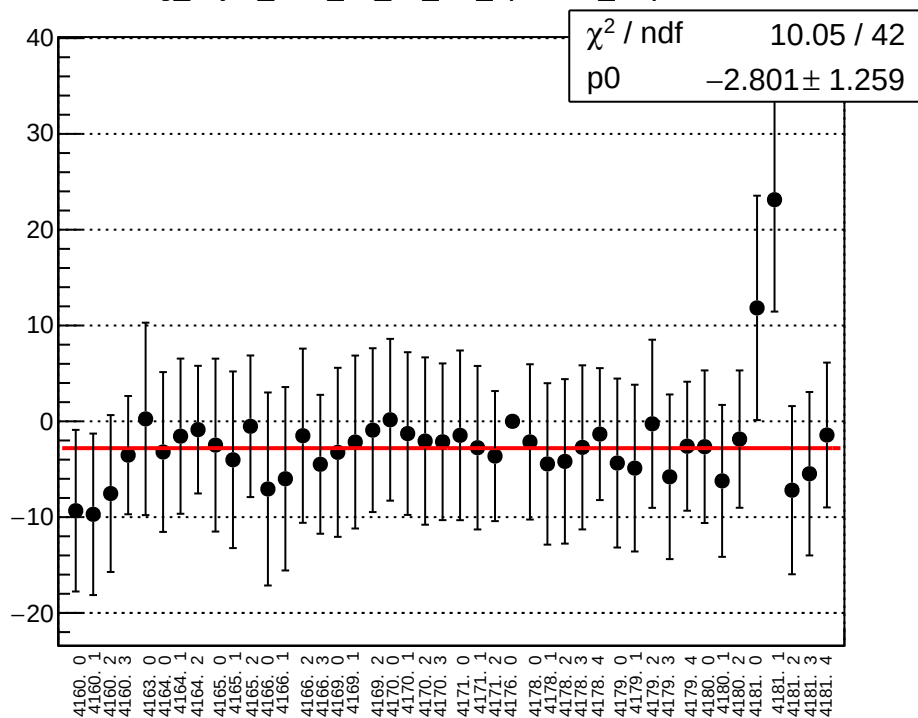
reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs run



reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs run

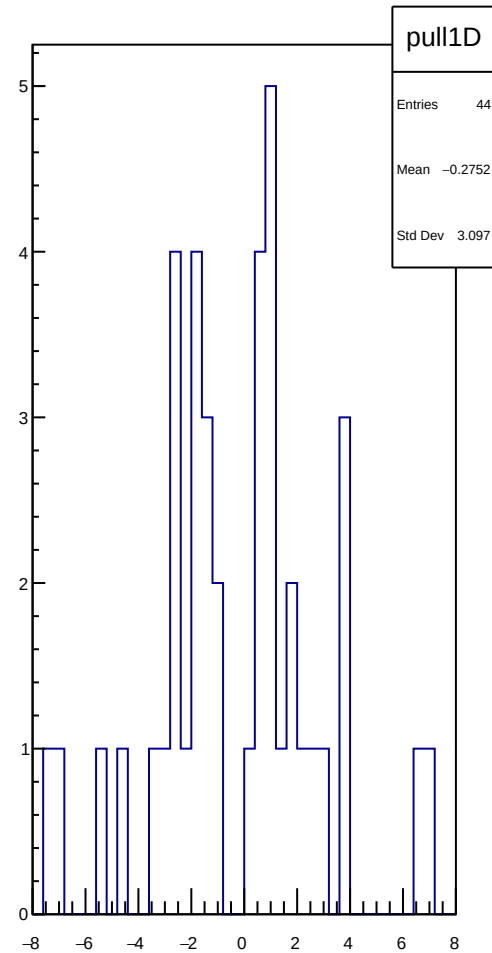
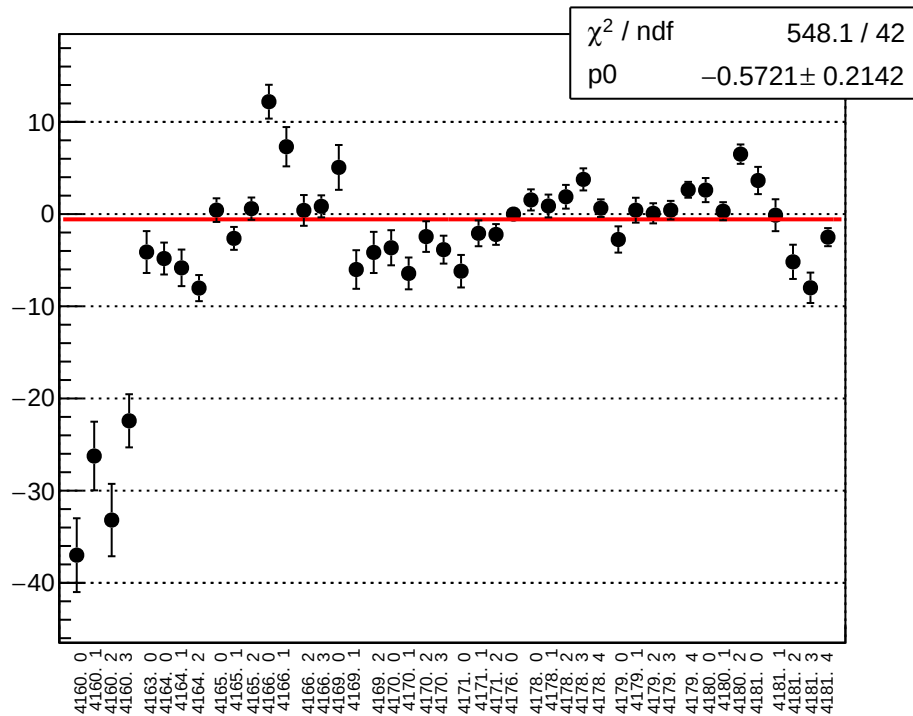


reg\_asym\_sam\_48\_dd\_diff\_bpm11X\_slope vs run

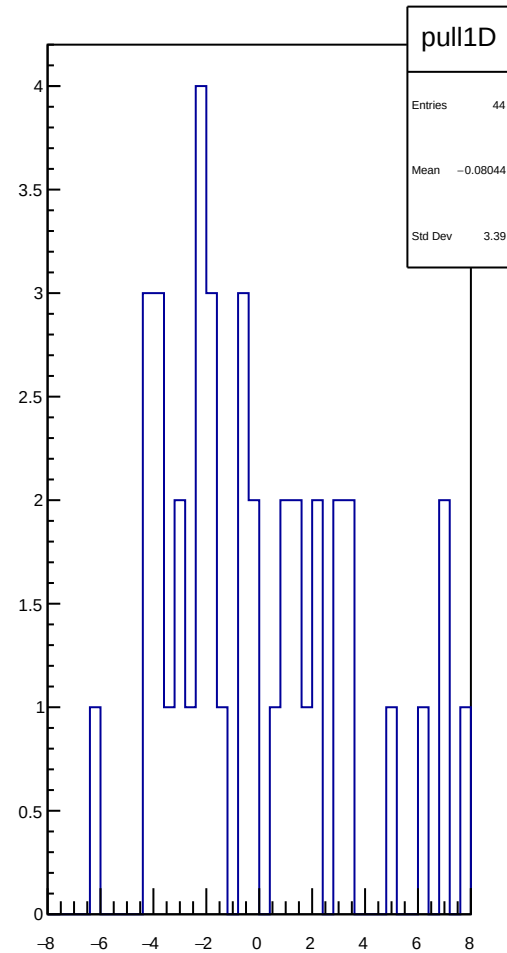
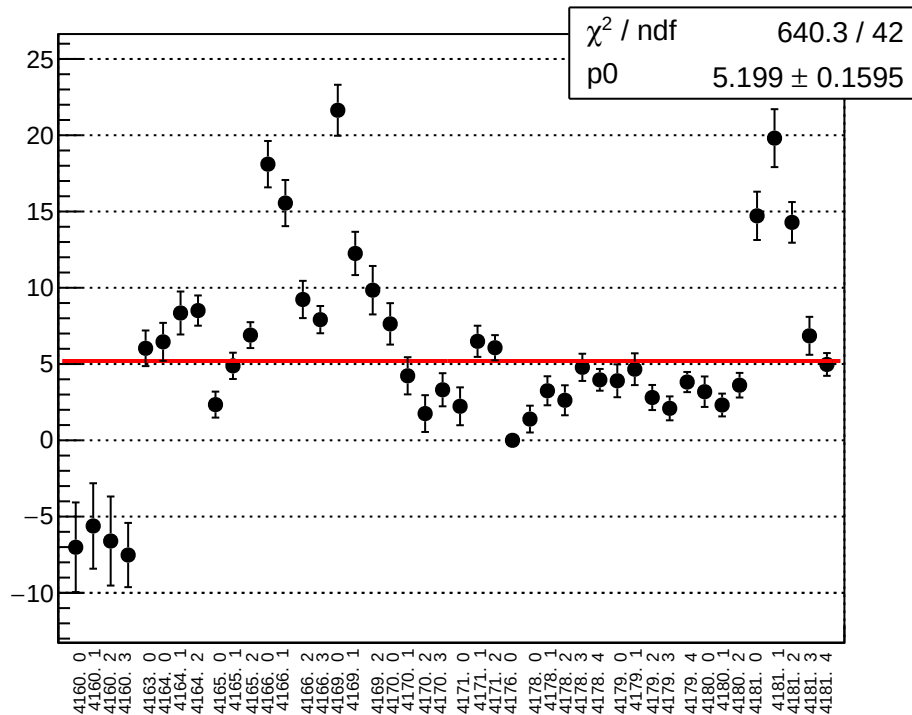




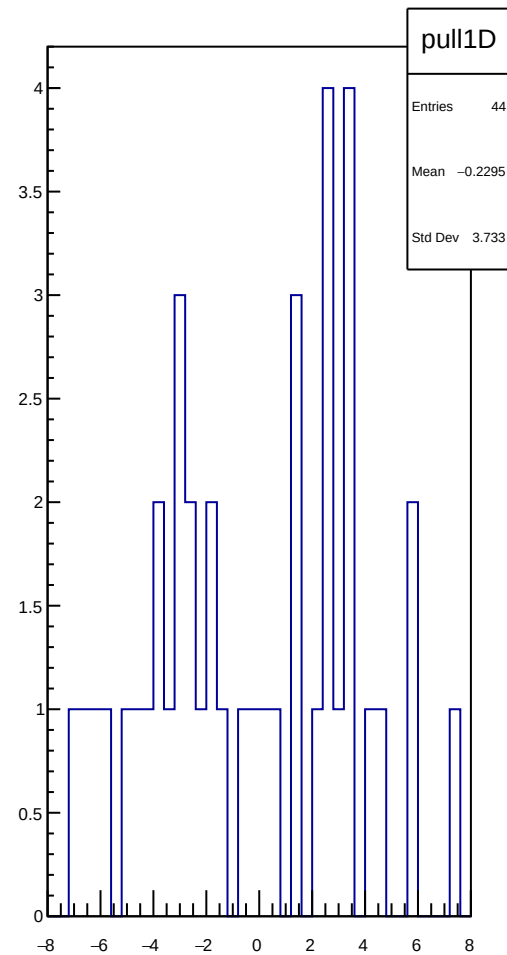
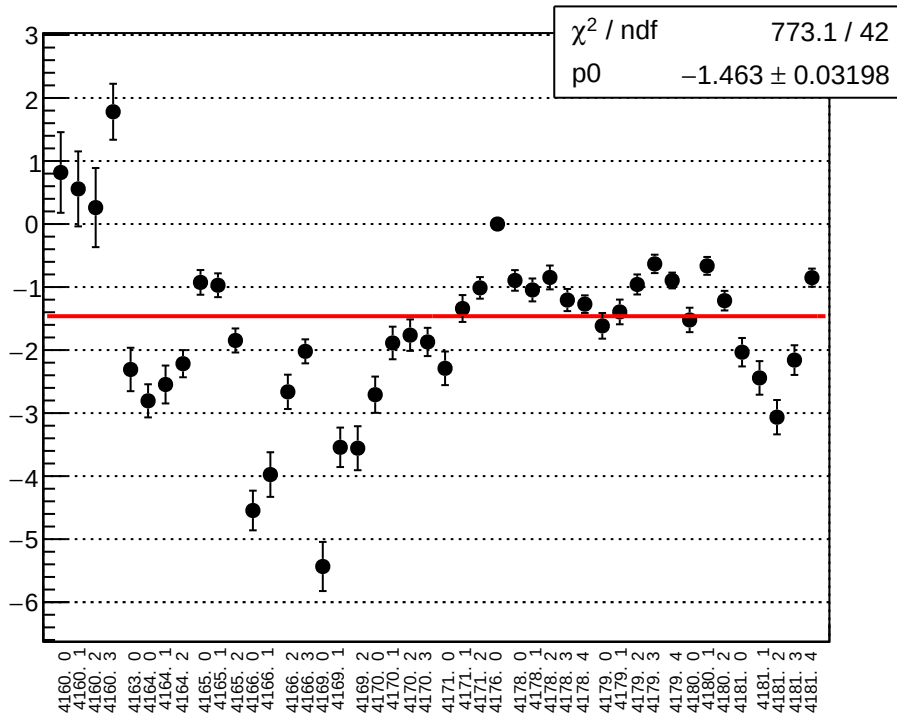
reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs run



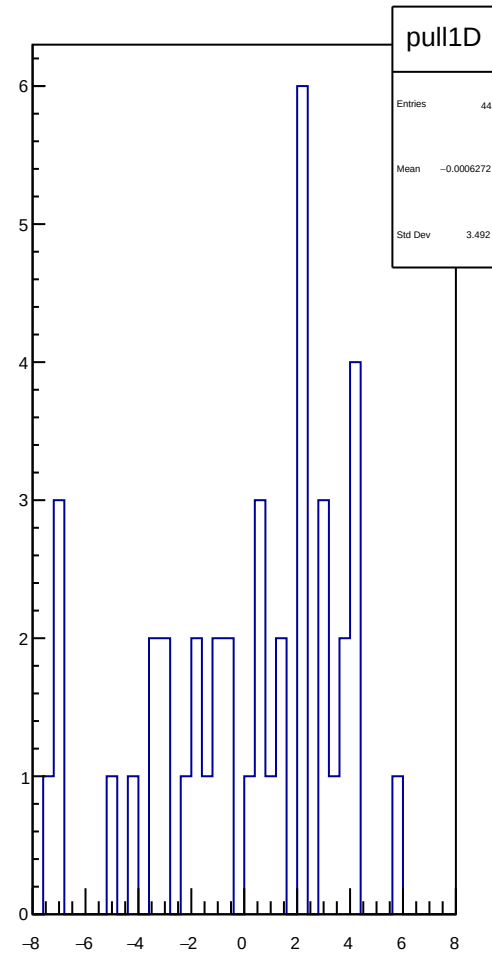
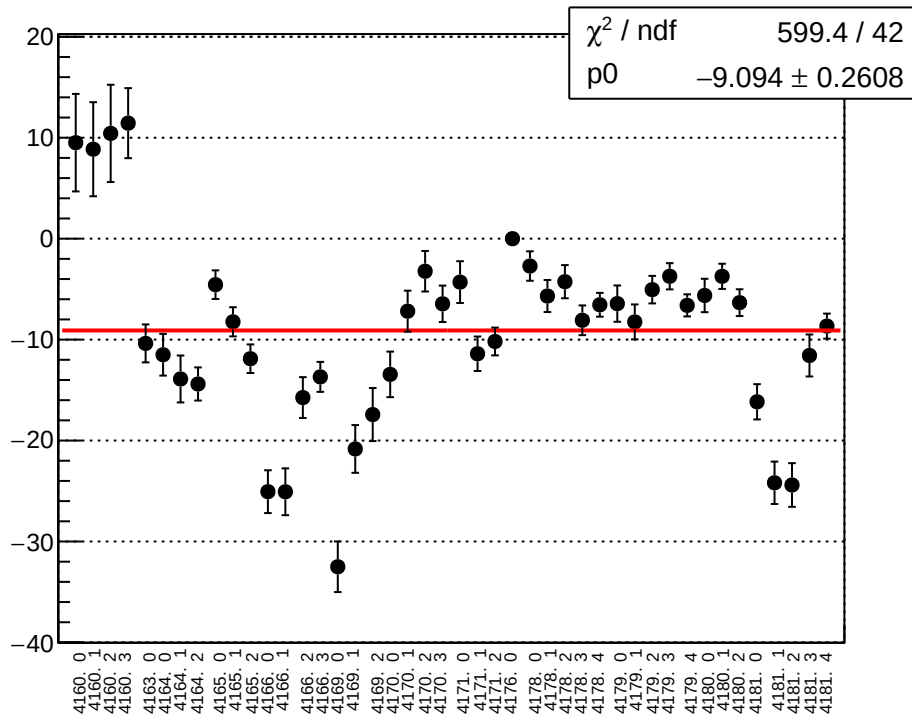
reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs run



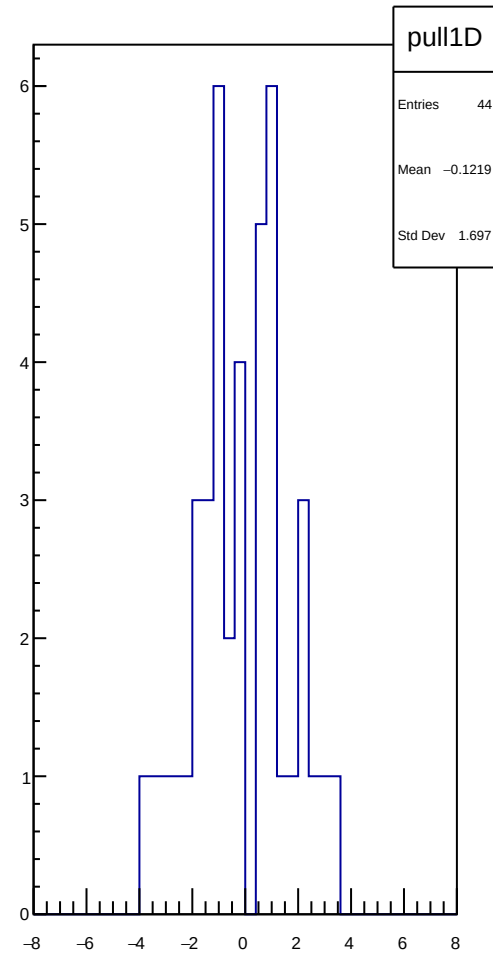
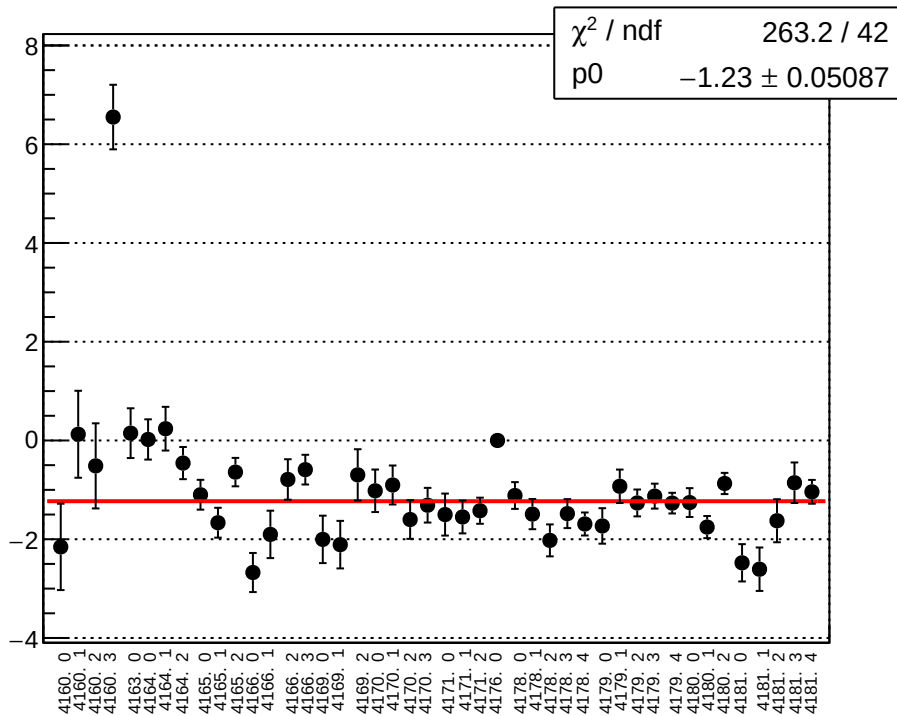
reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs run



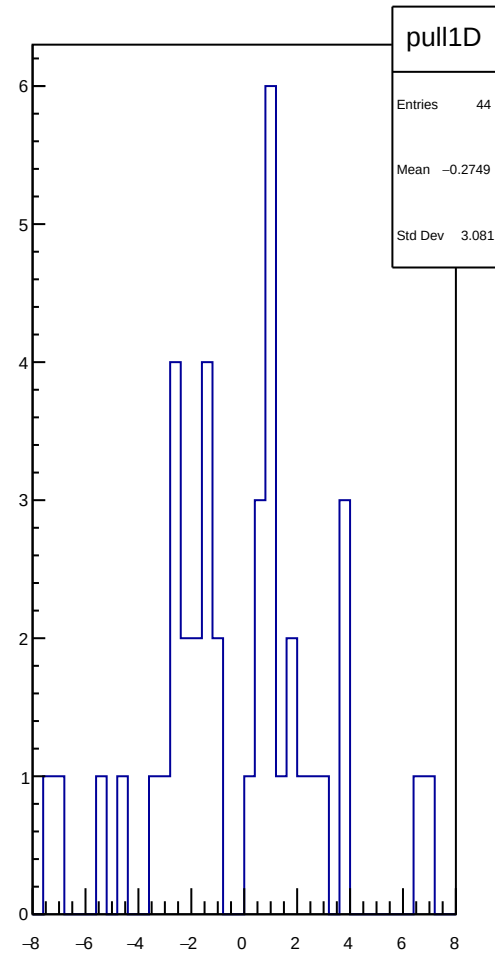
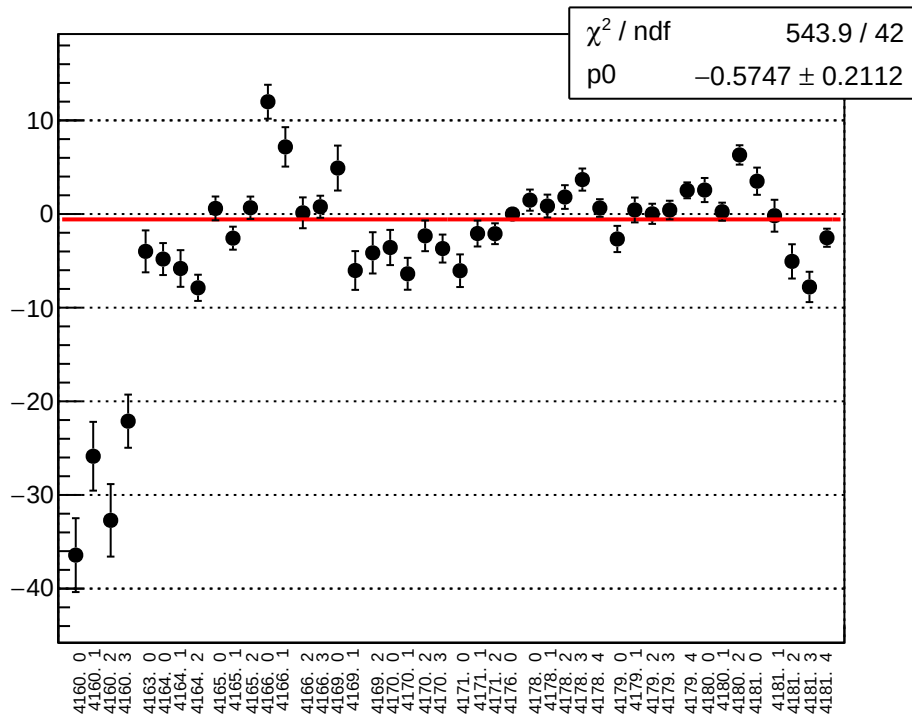
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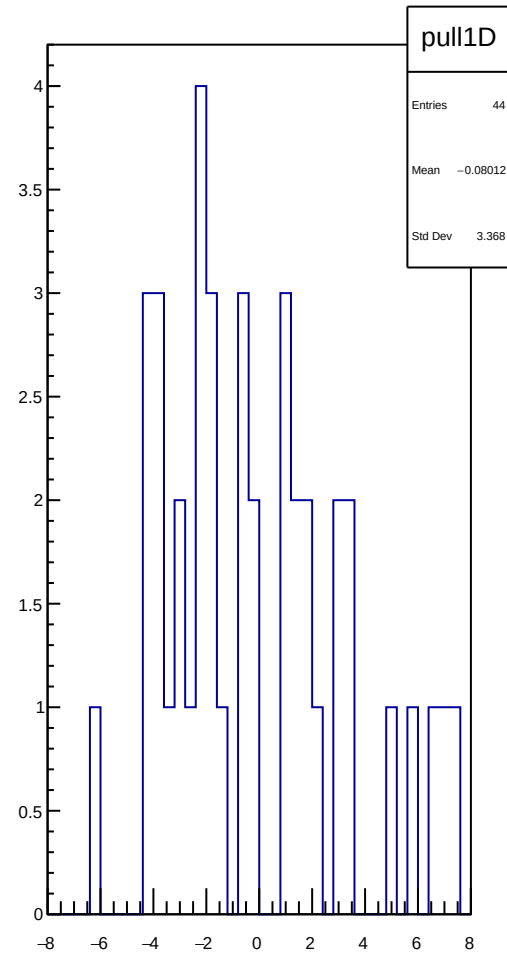
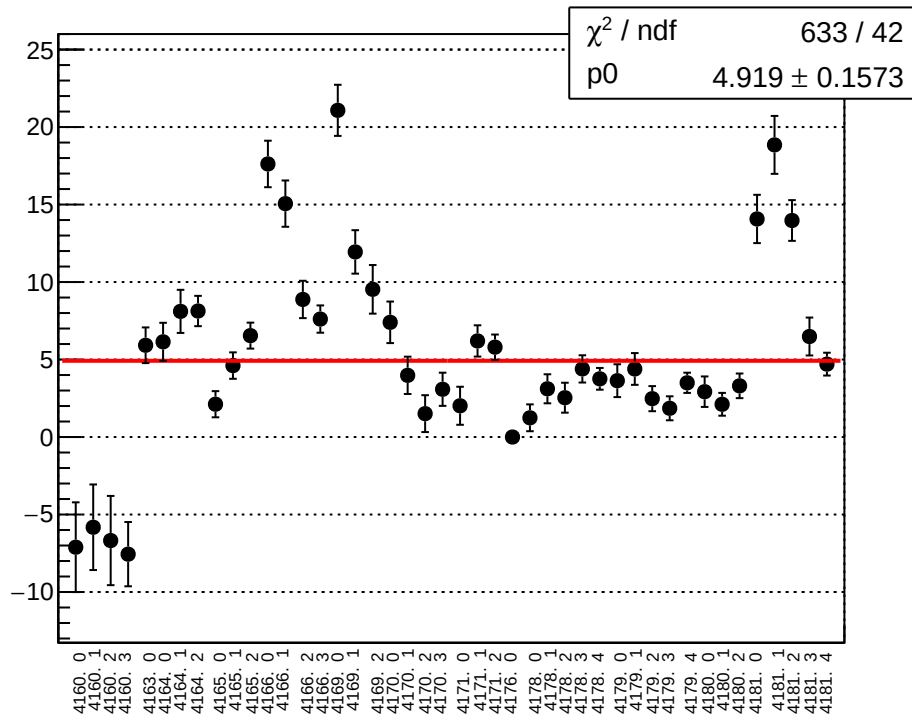
reg\_asym\_bcm\_an\_ds3\_diff\_bpm11X\_slope vs run



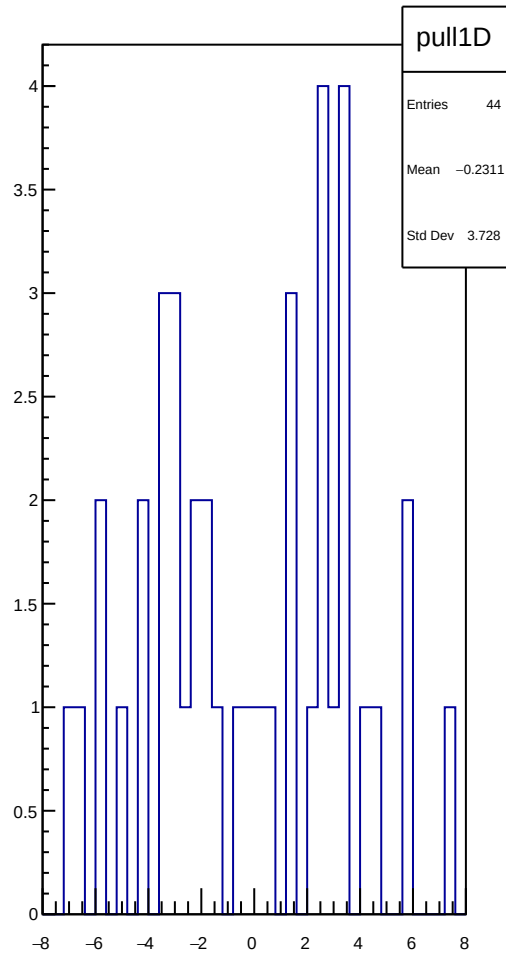
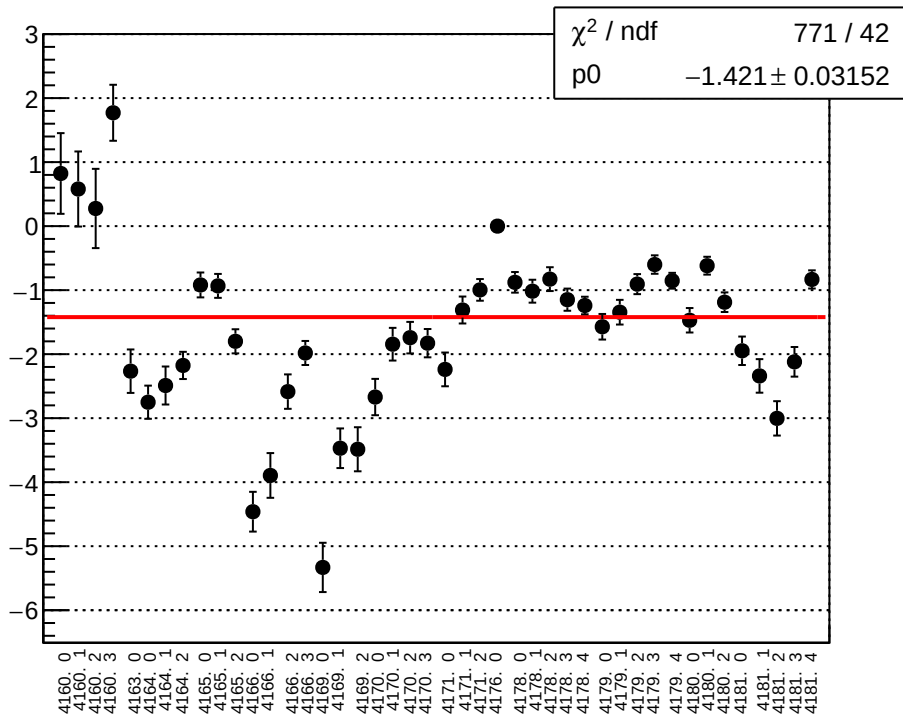
reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs run



reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs run

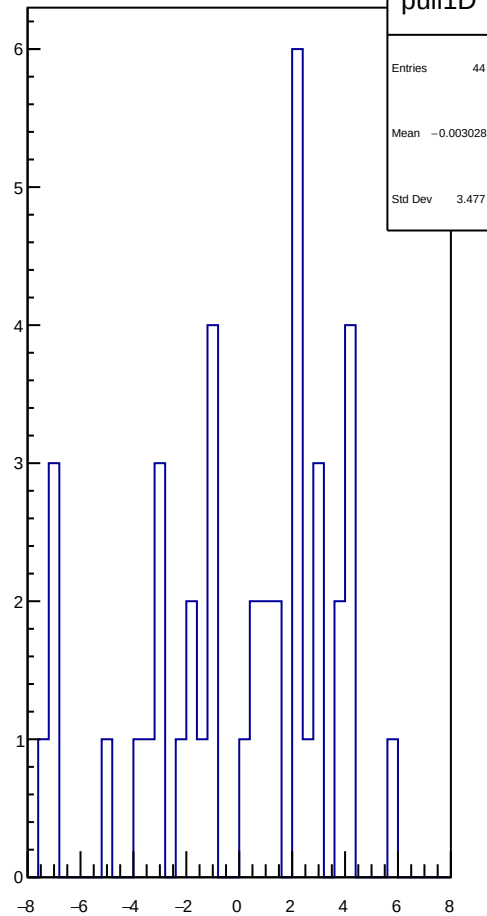
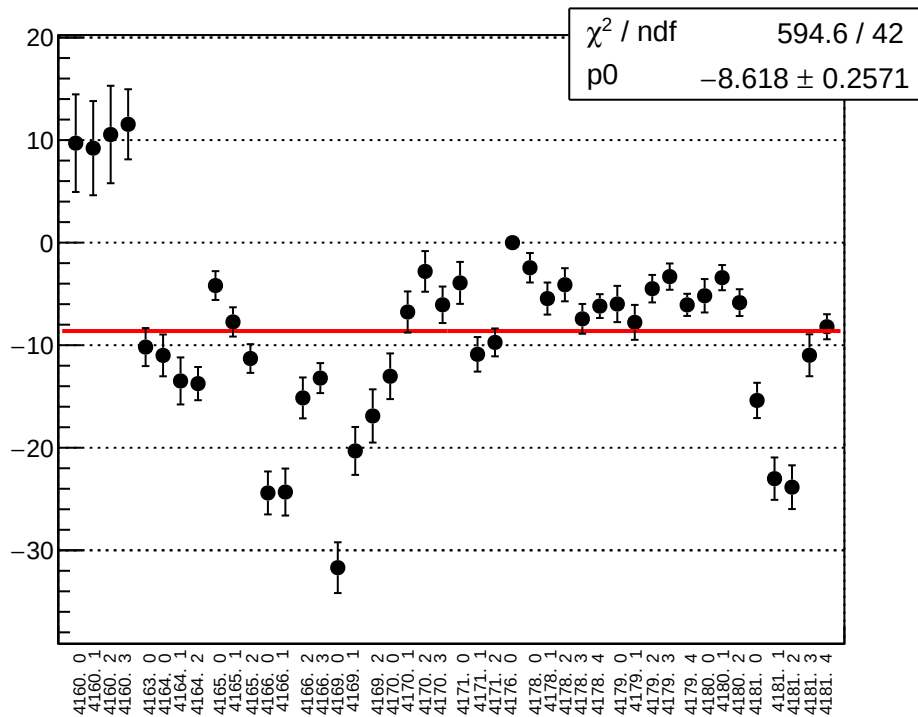


reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs run

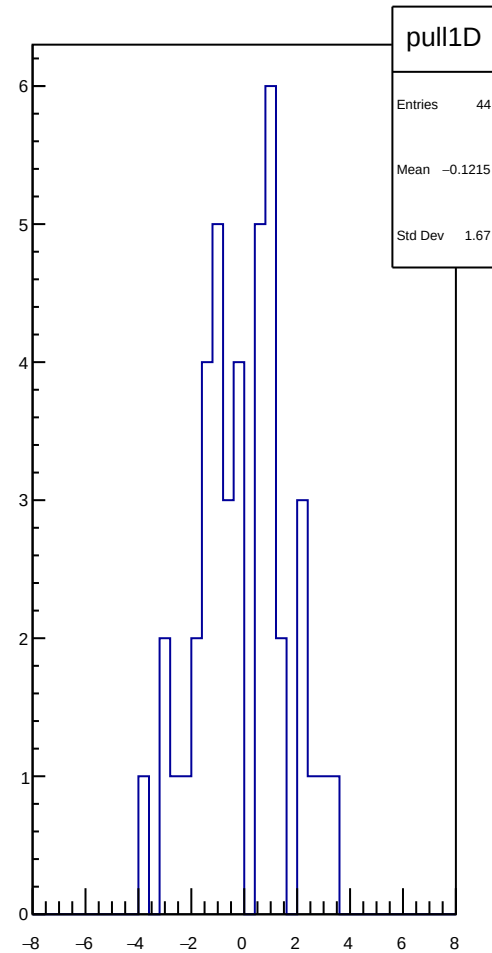
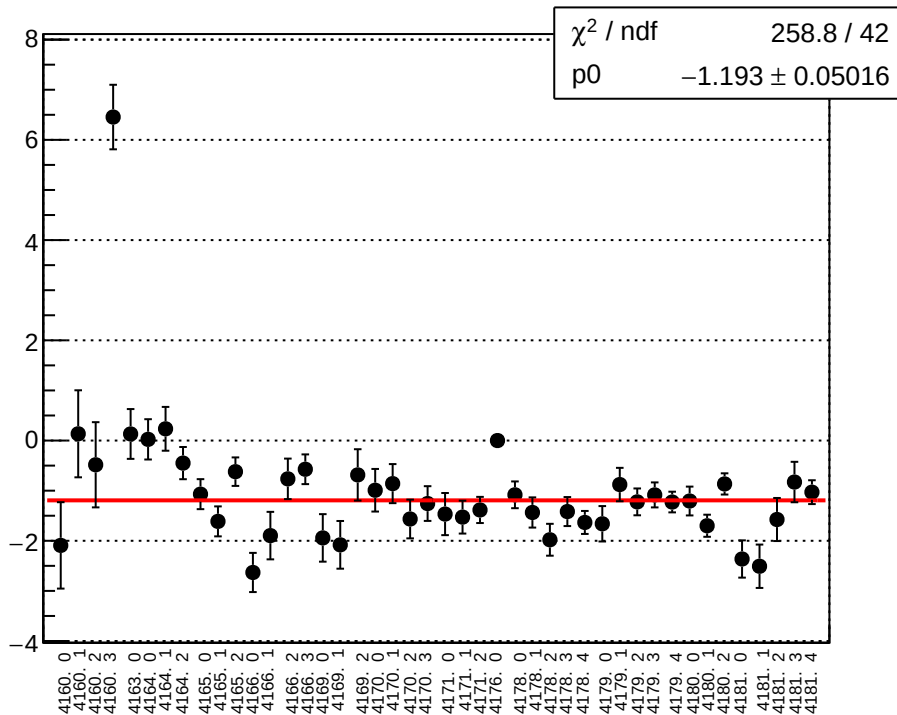




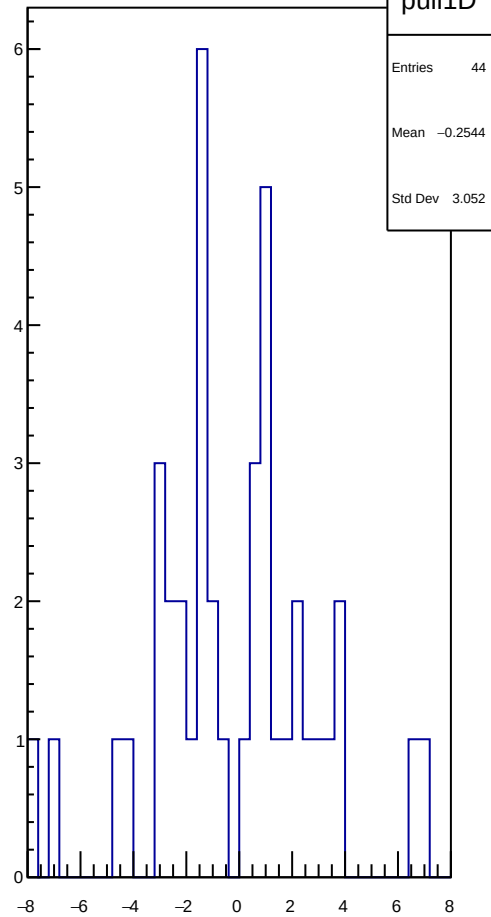
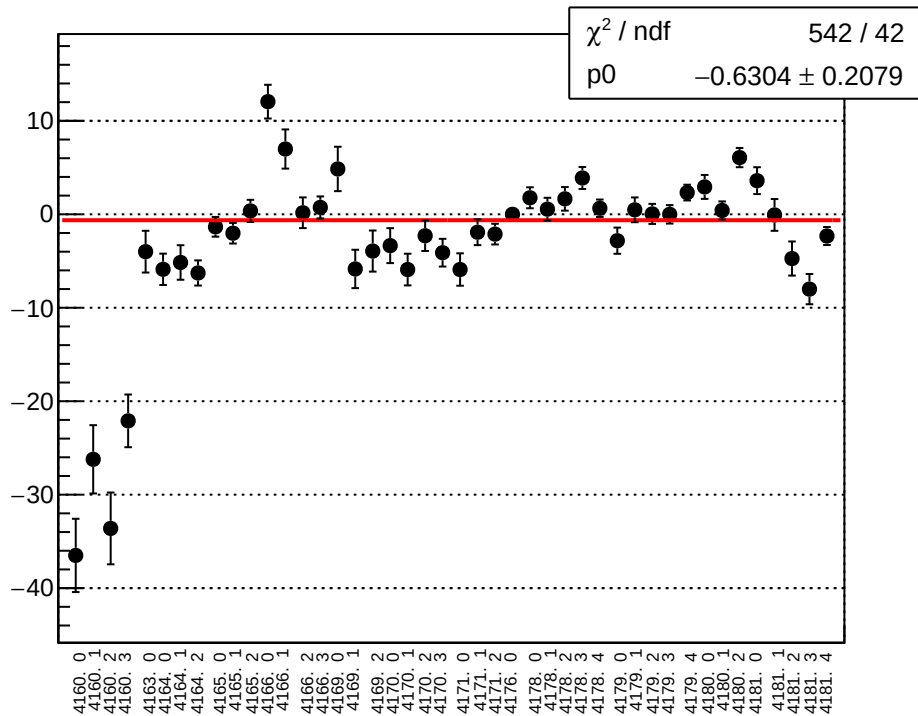
reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs run



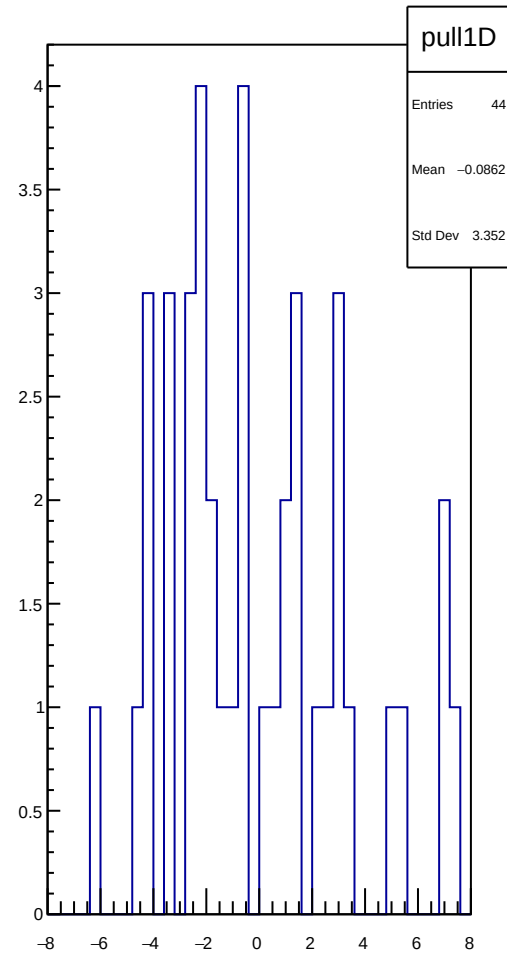
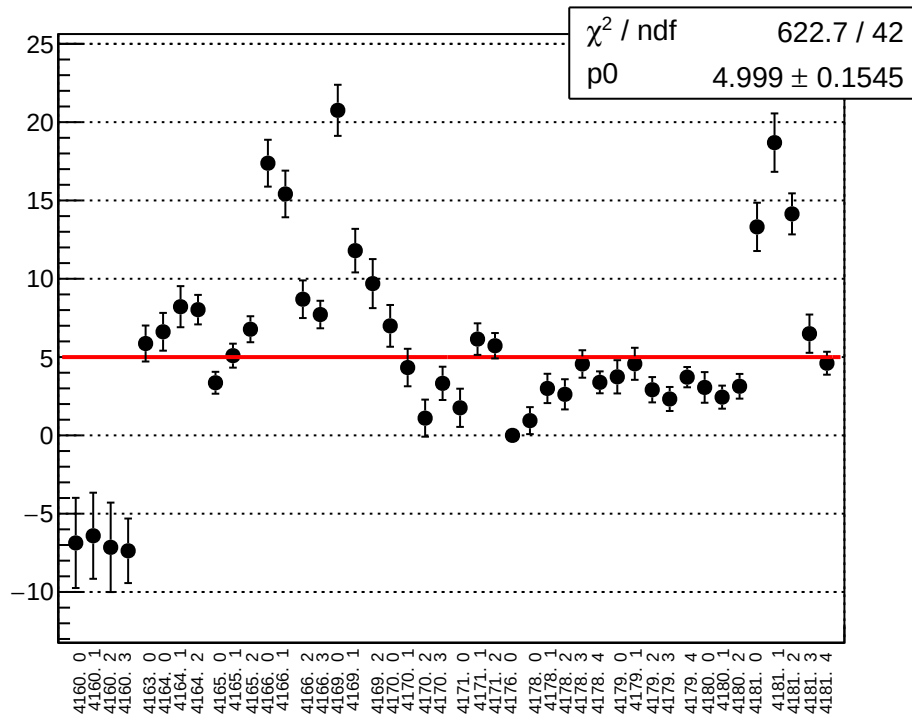
reg\_asym\_bcm\_an\_ds\_diff\_bpm11X\_slope vs run



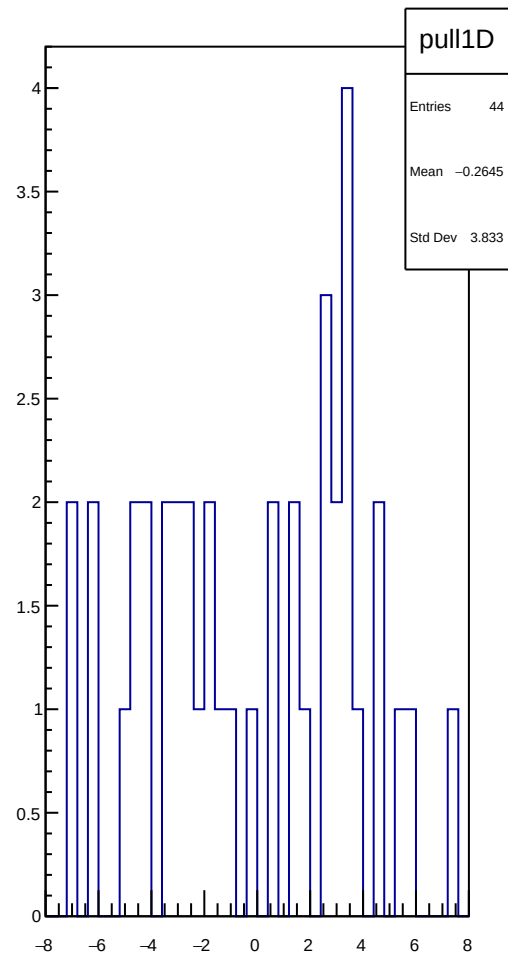
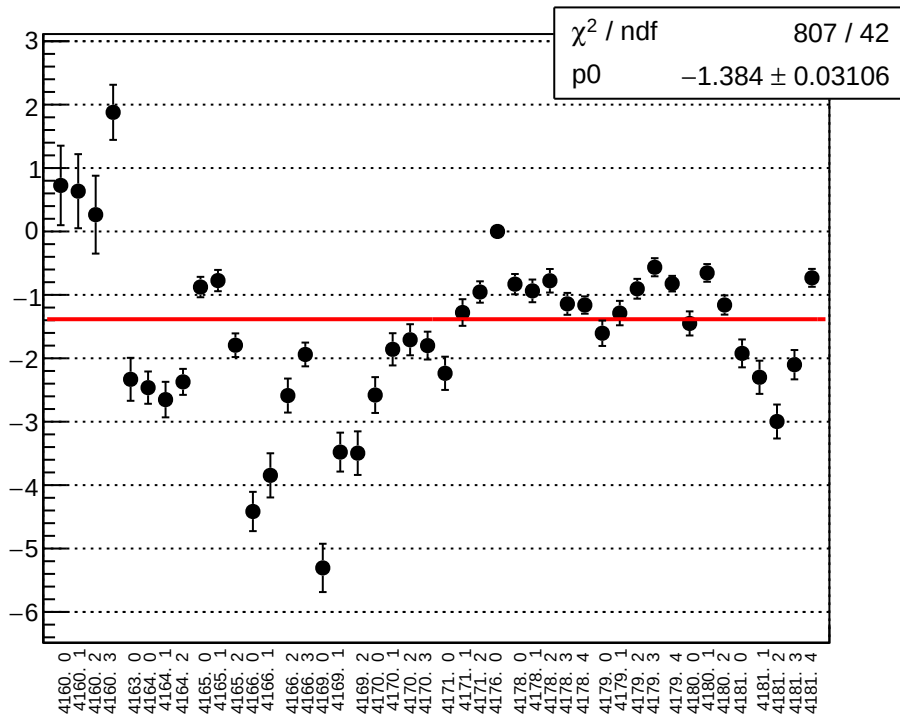
reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs run



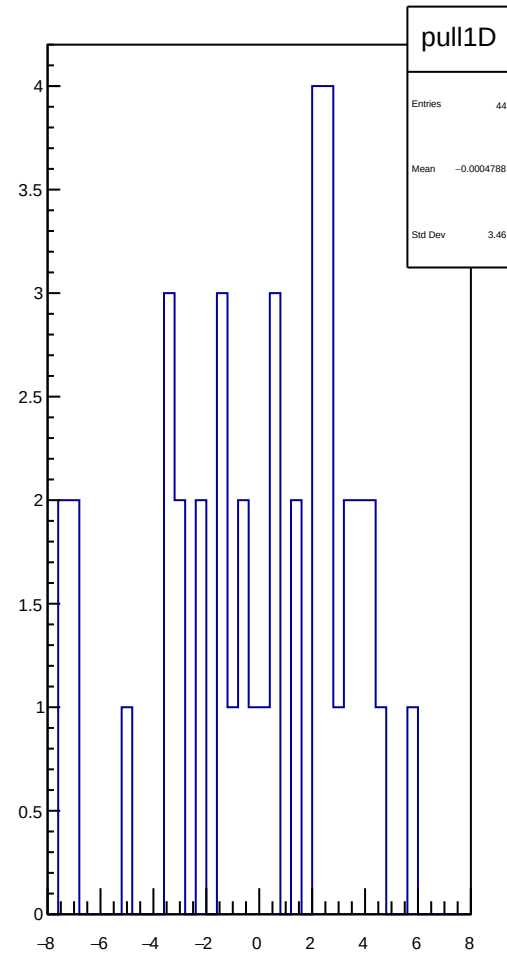
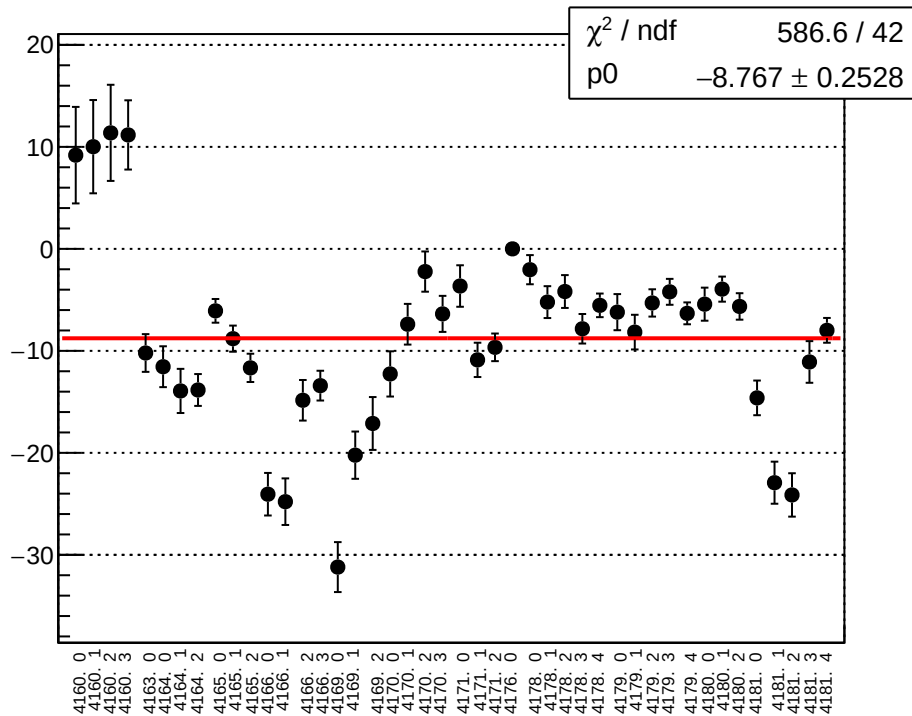
reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs run



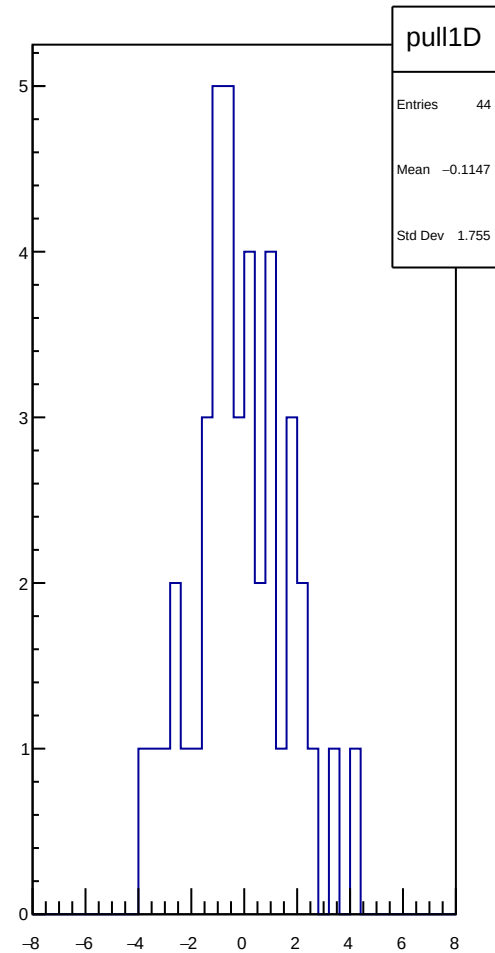
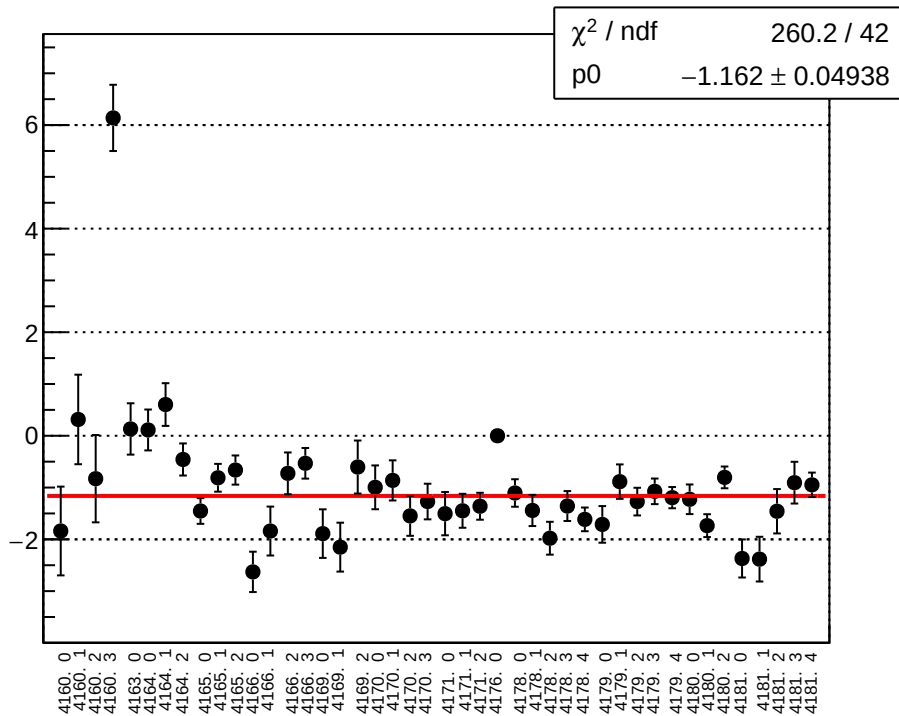
reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs run



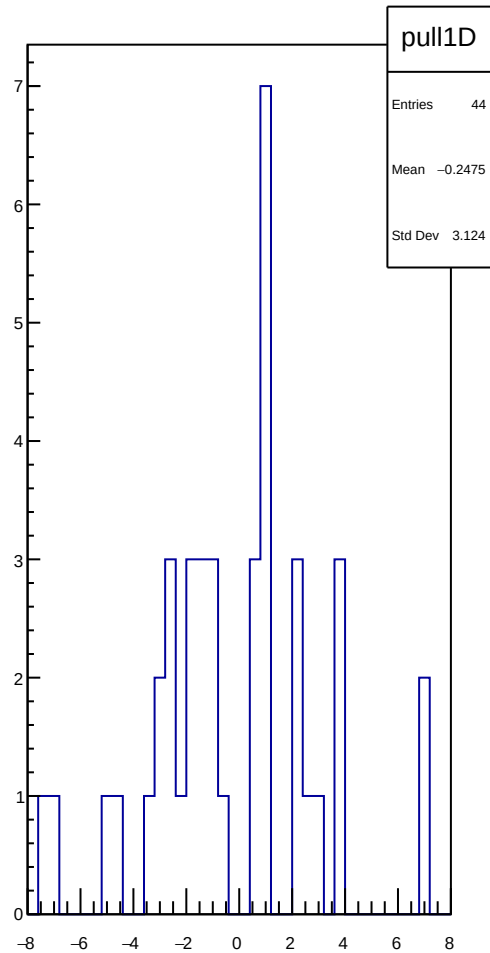
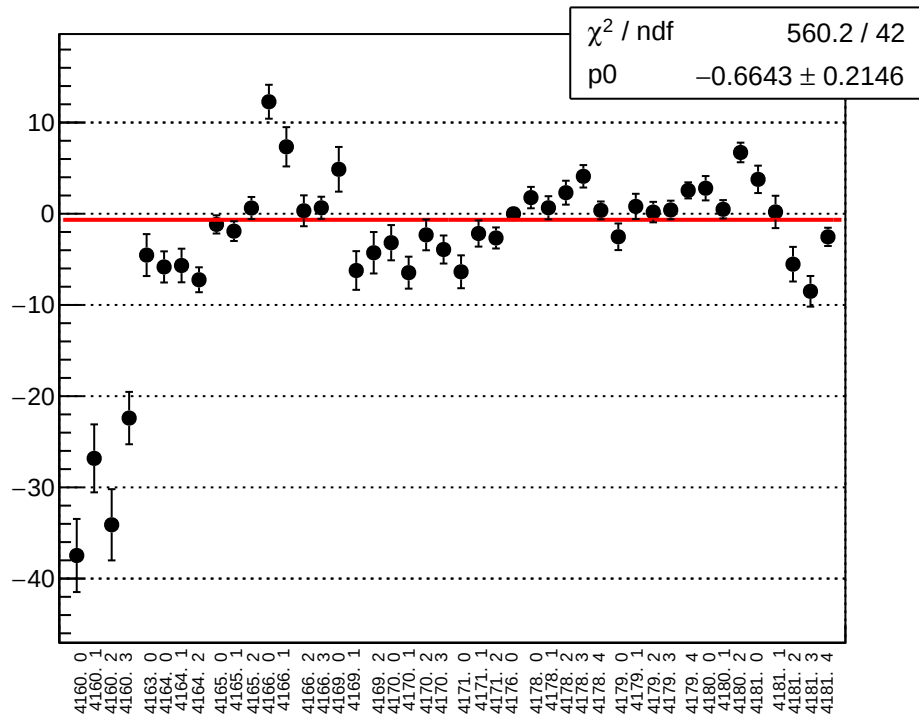
reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs run



reg\_asym\_bcm\_an\_us\_diff\_bpm11X\_slope vs run

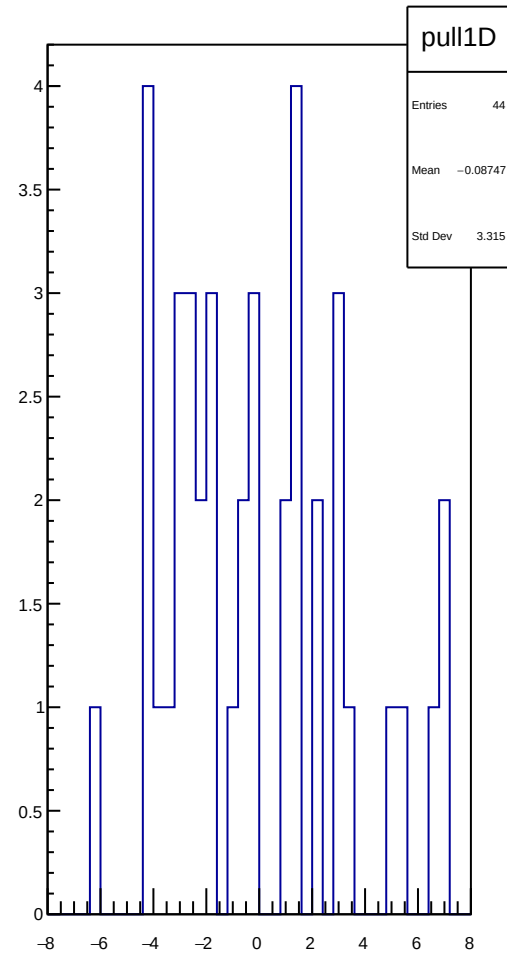
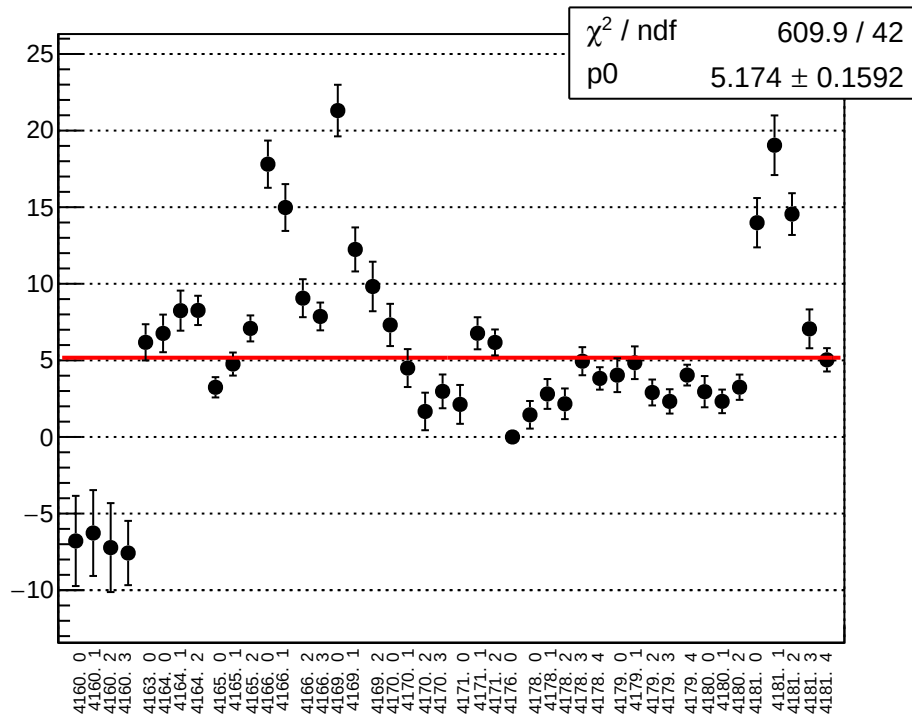


reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs run

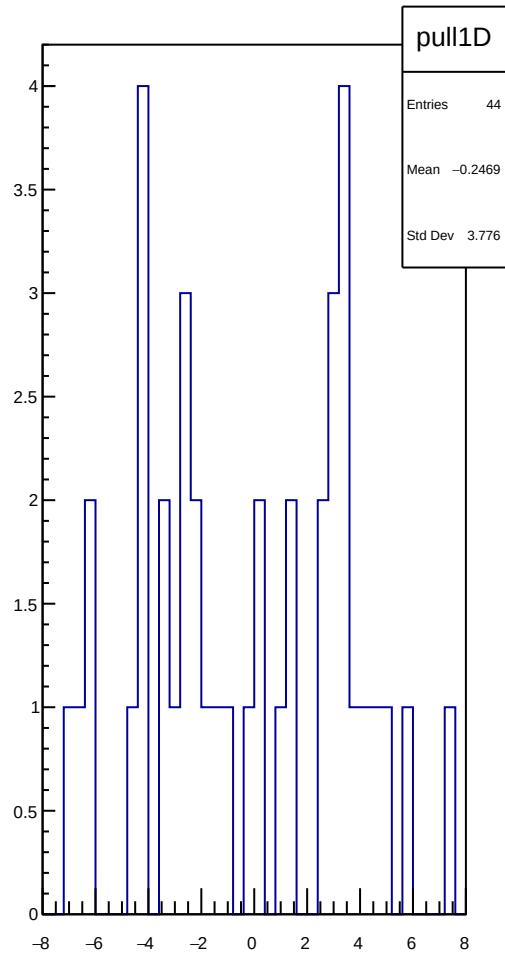
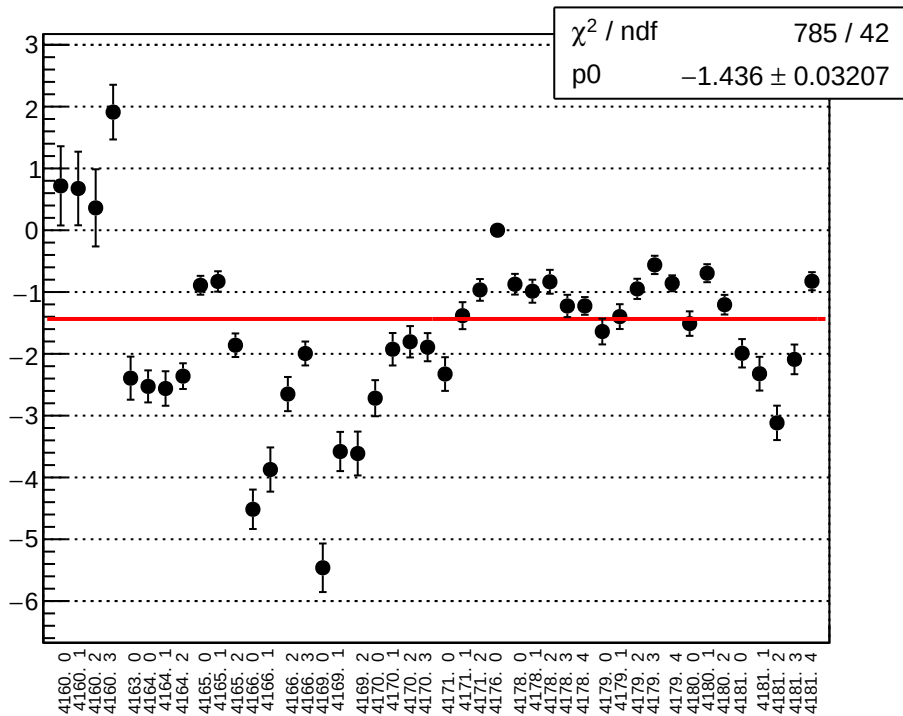




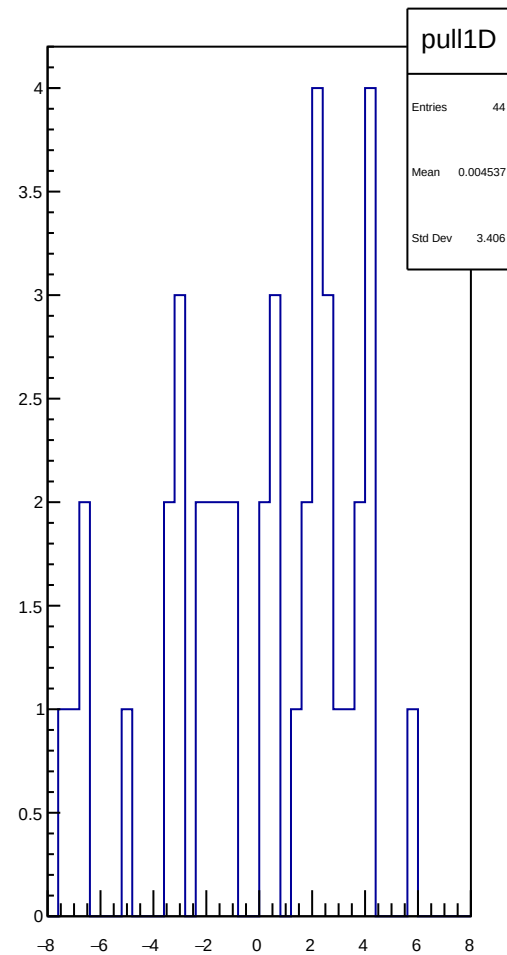
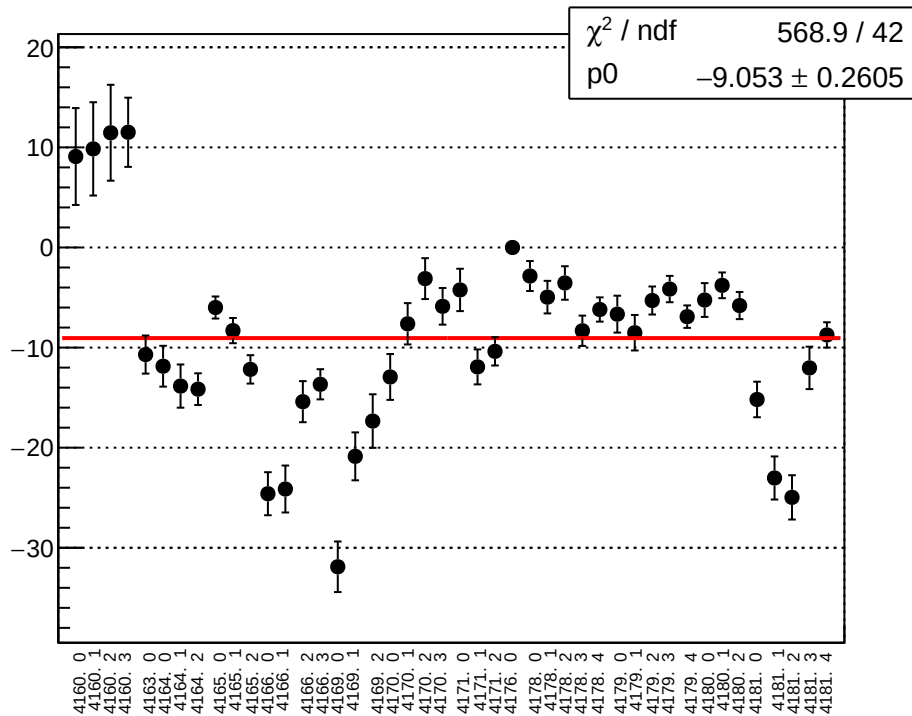
reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs run



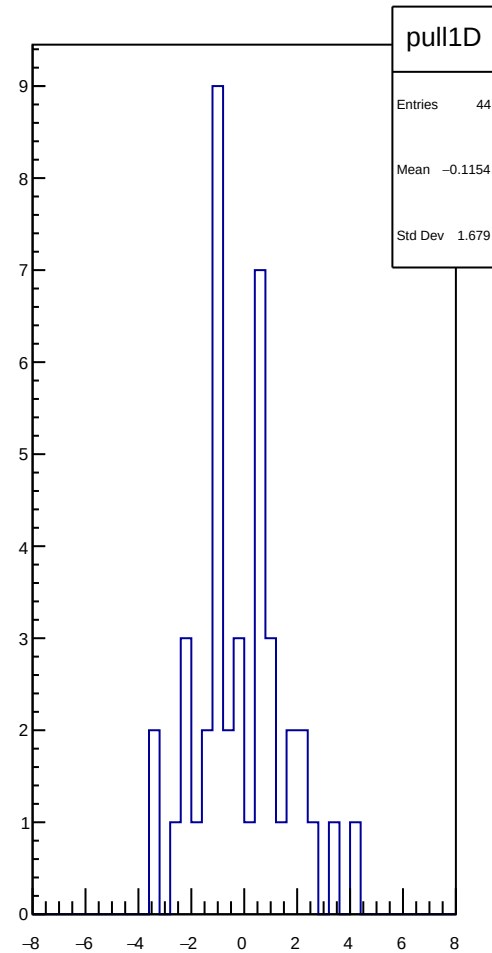
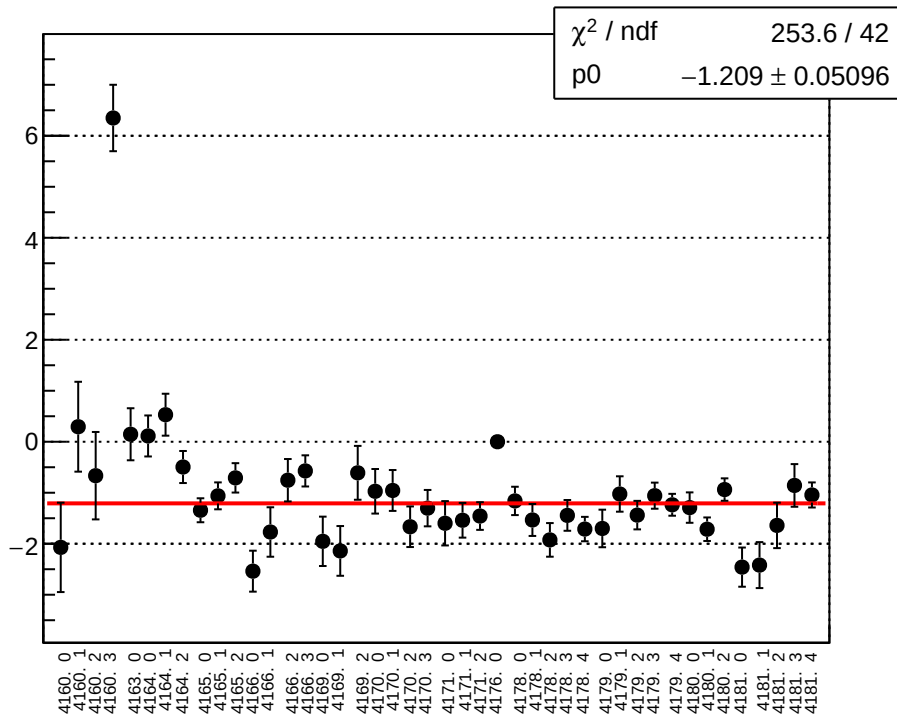
reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs run



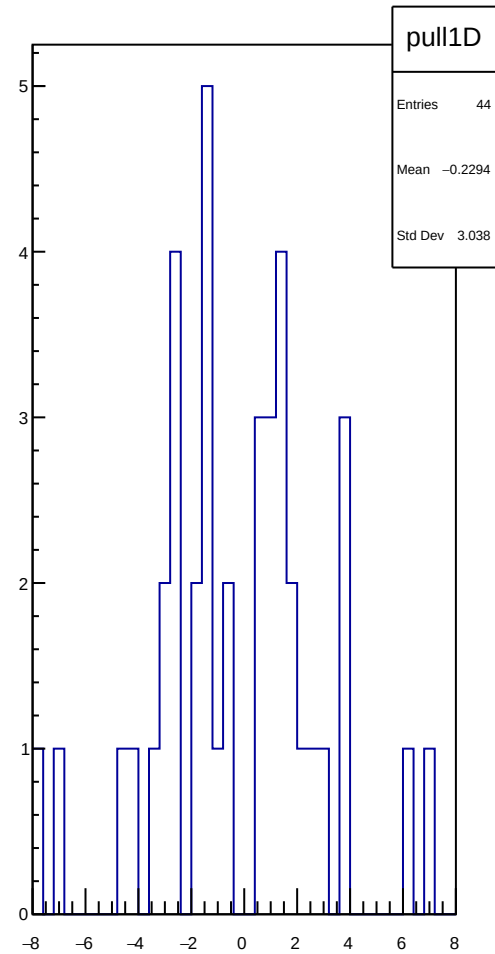
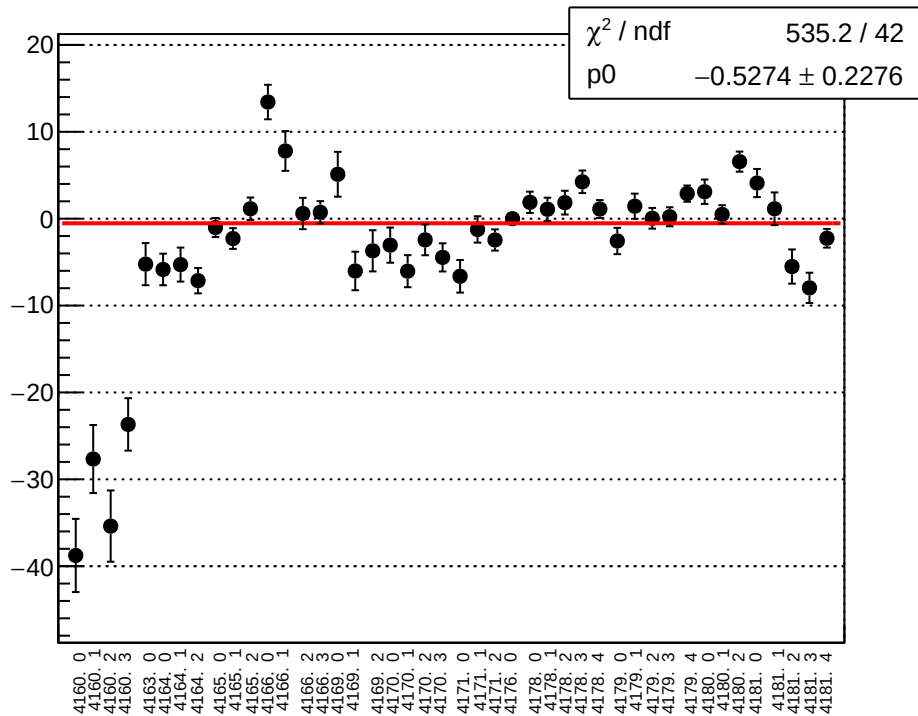
reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs run



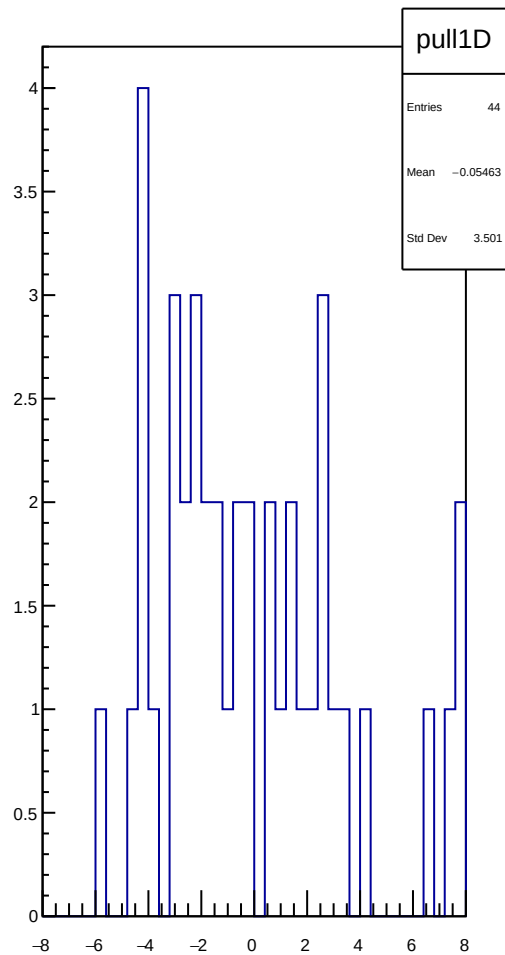
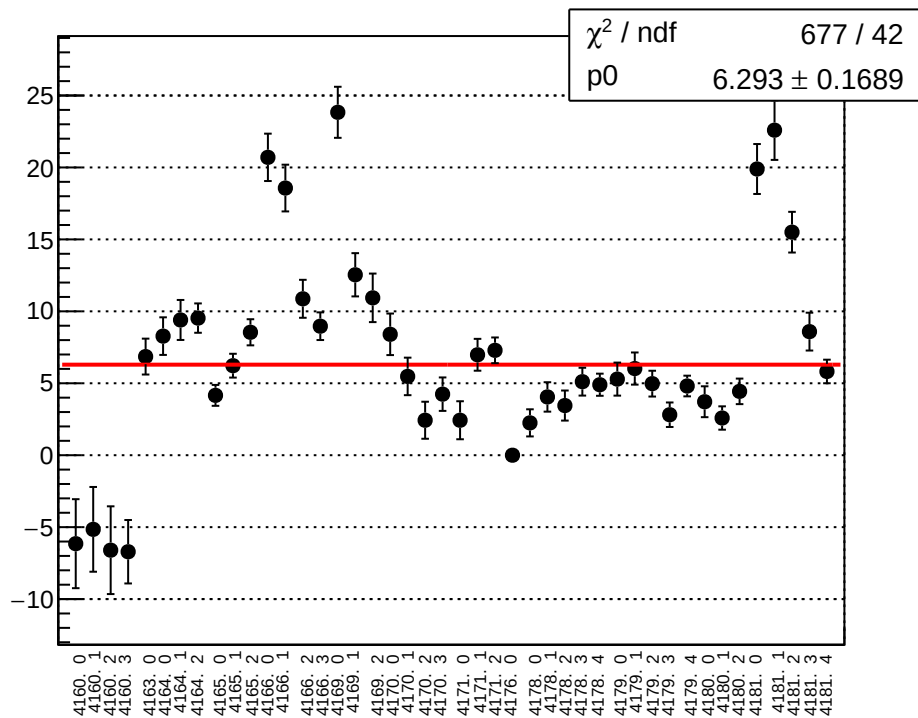
reg\_asym\_bcm\_dg\_ds\_diff\_bpm11X\_slope vs run



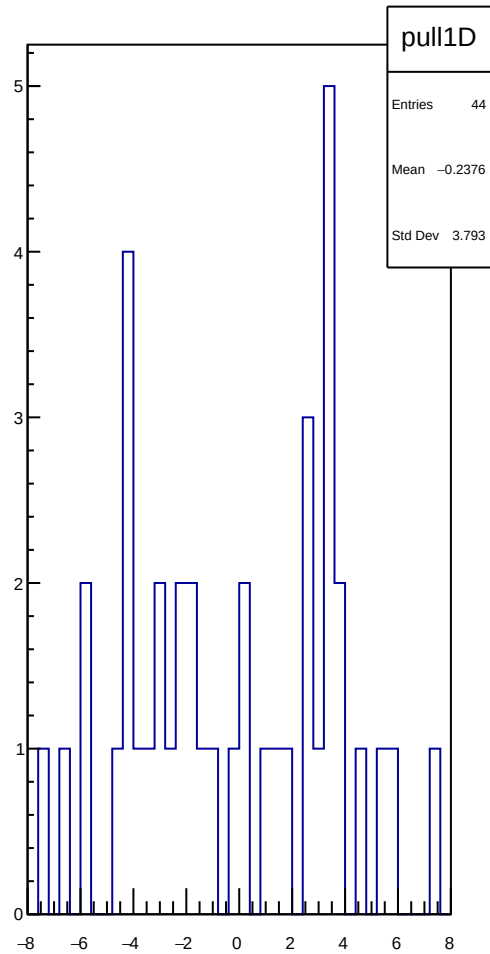
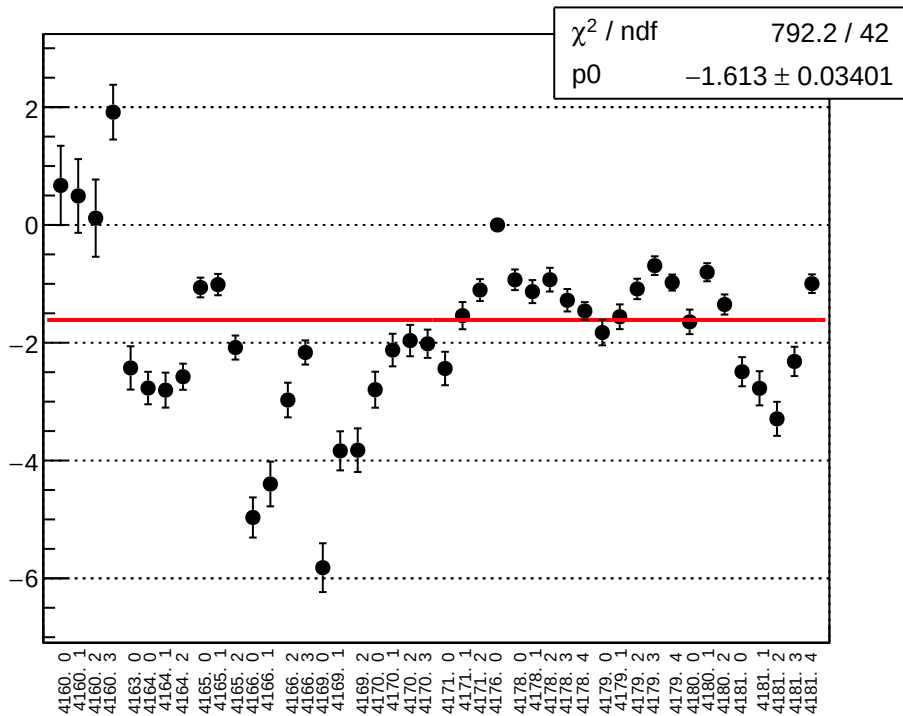
reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs run



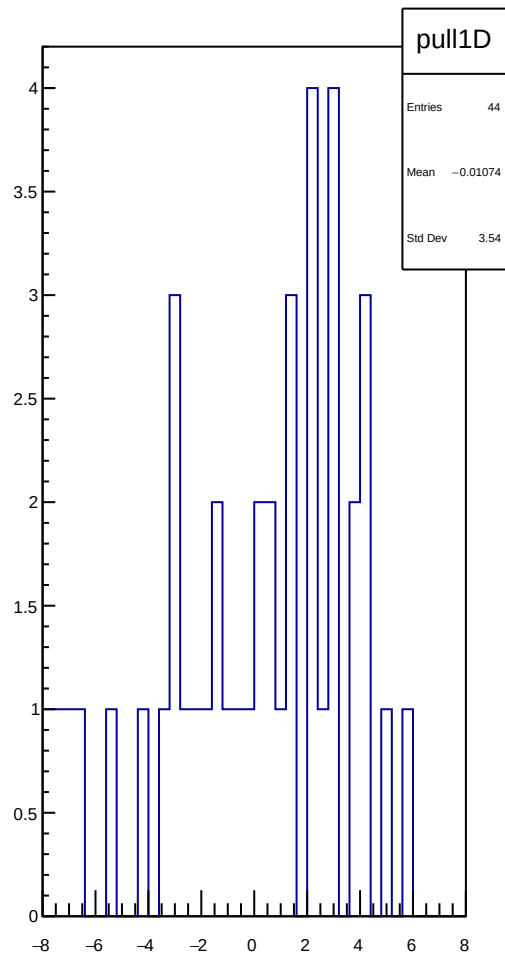
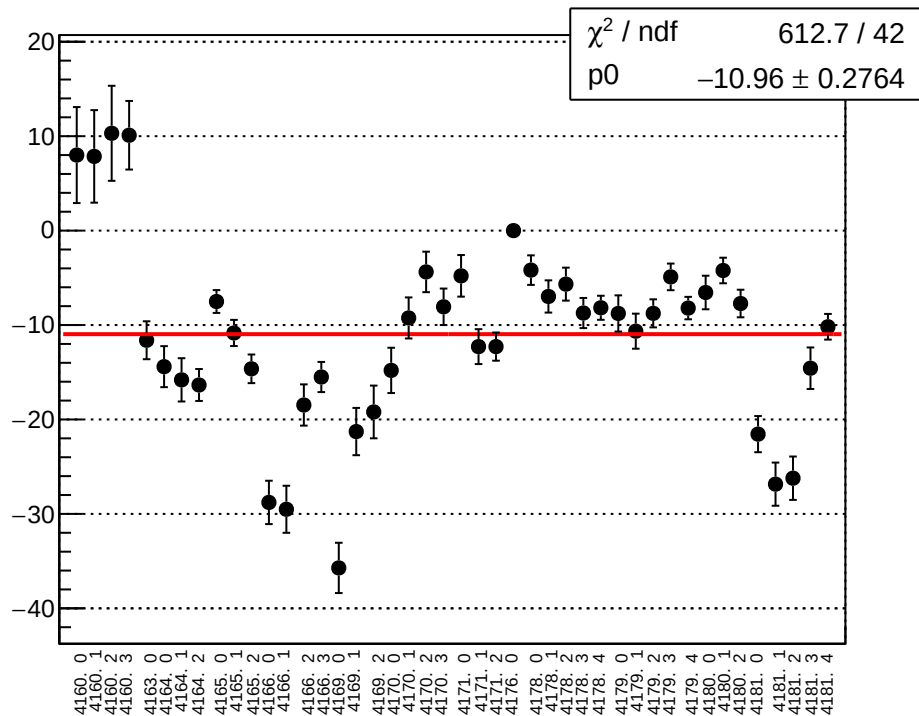
reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs run



reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs run

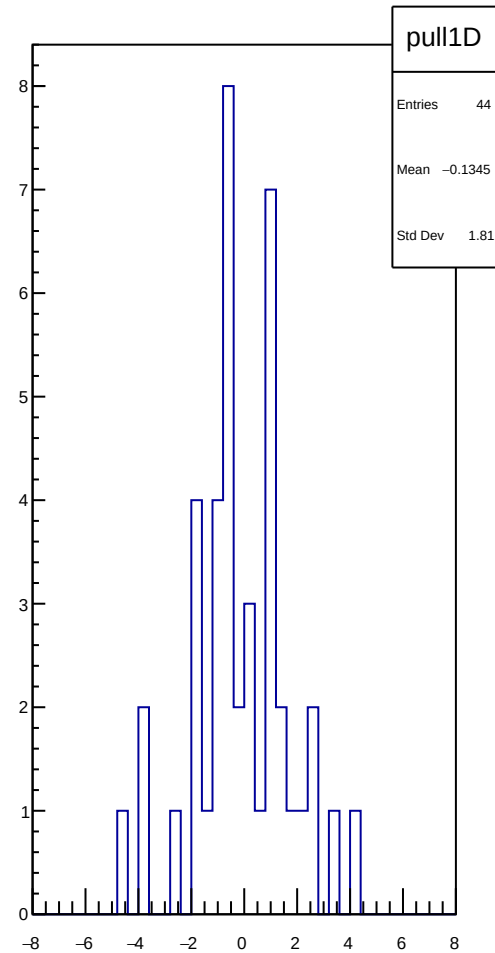
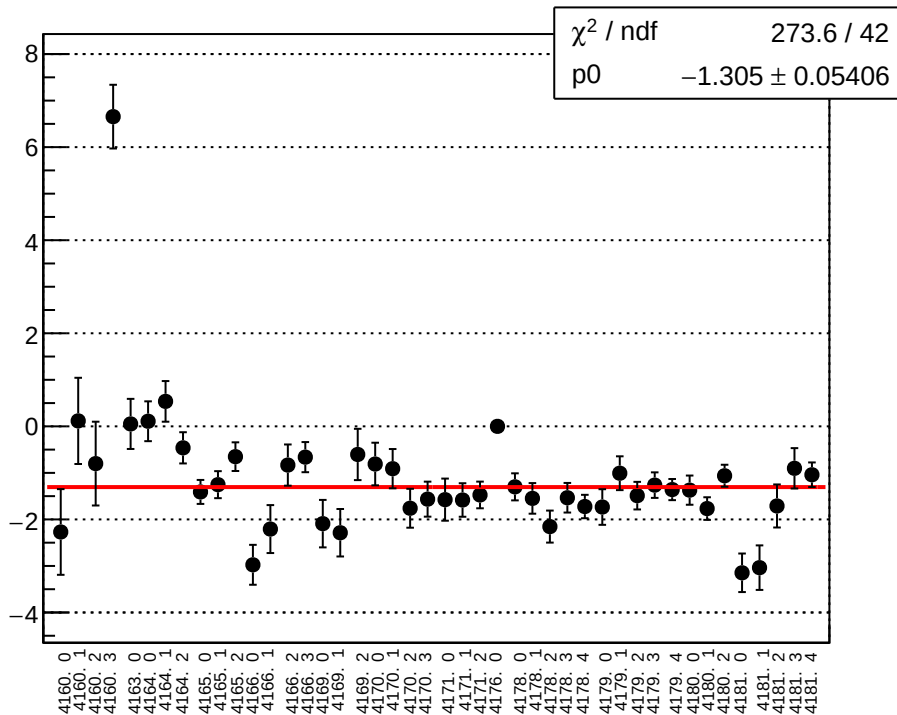


reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs run

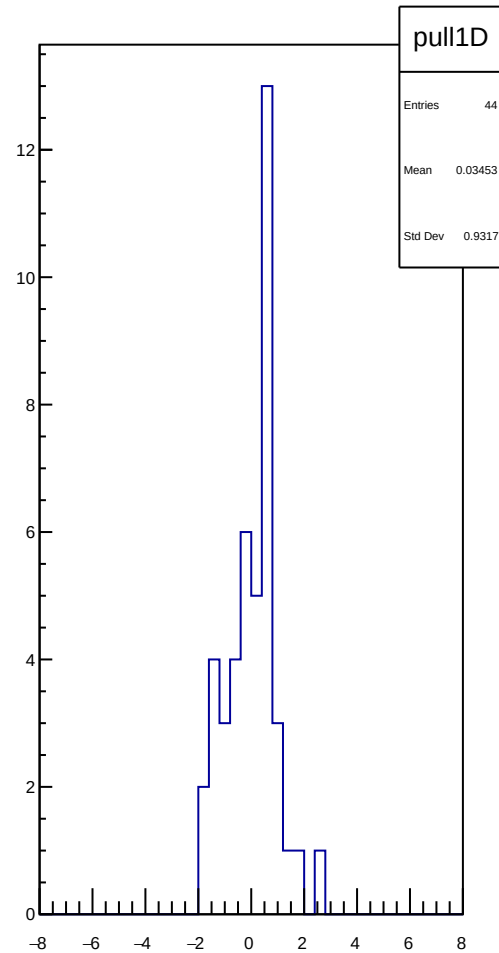
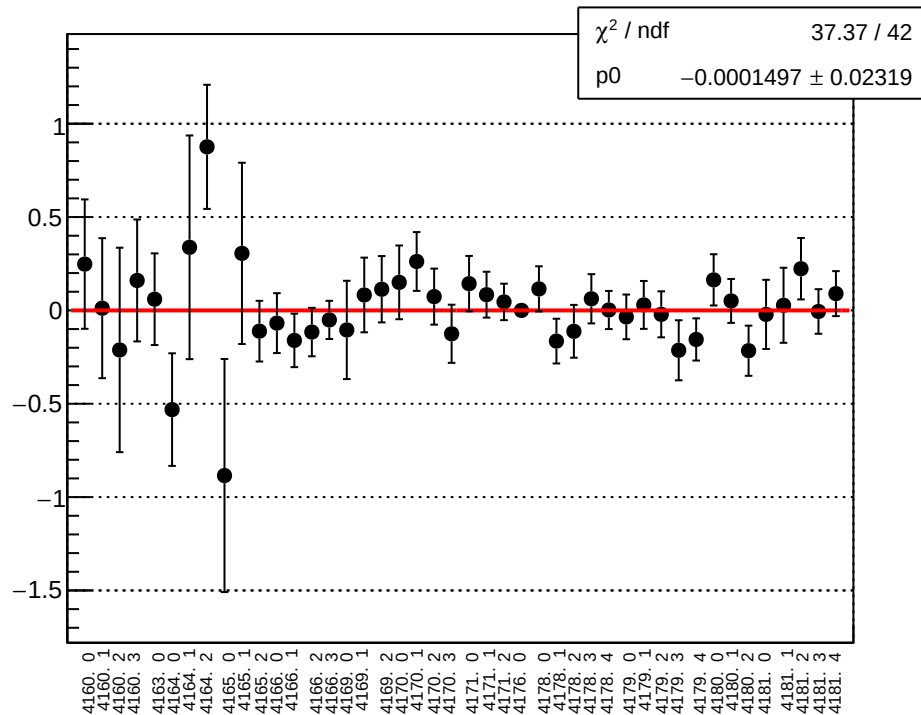




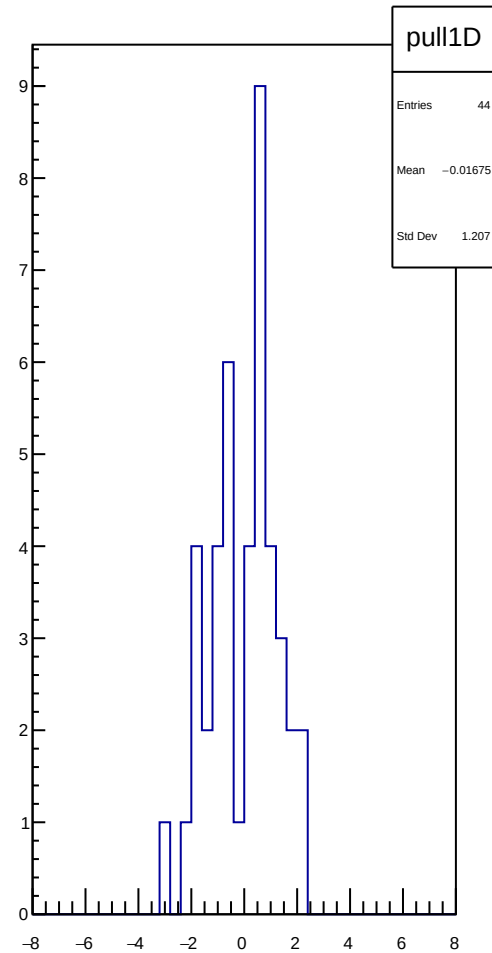
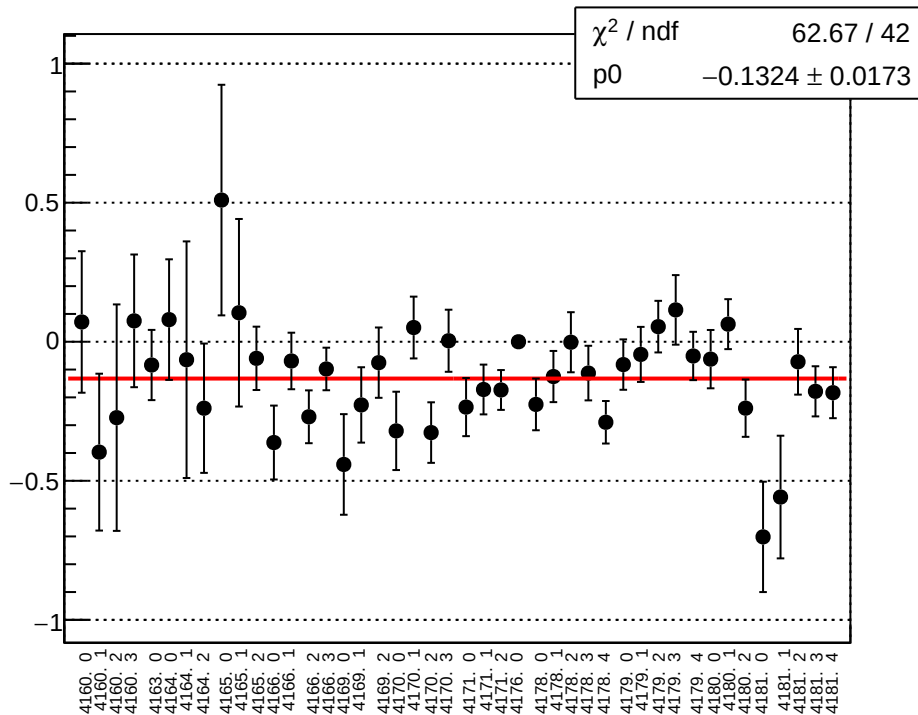
reg\_asym\_bcm\_dg\_us\_diff\_bpm11X\_slope vs run



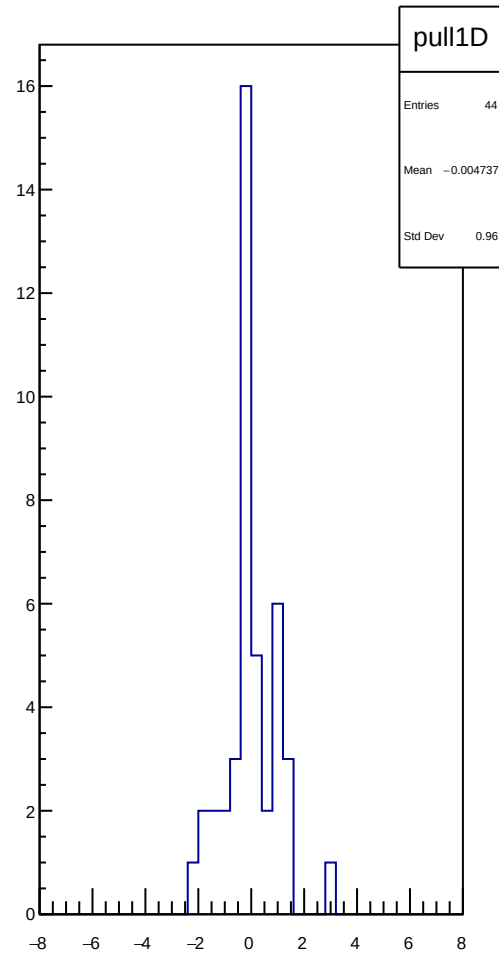
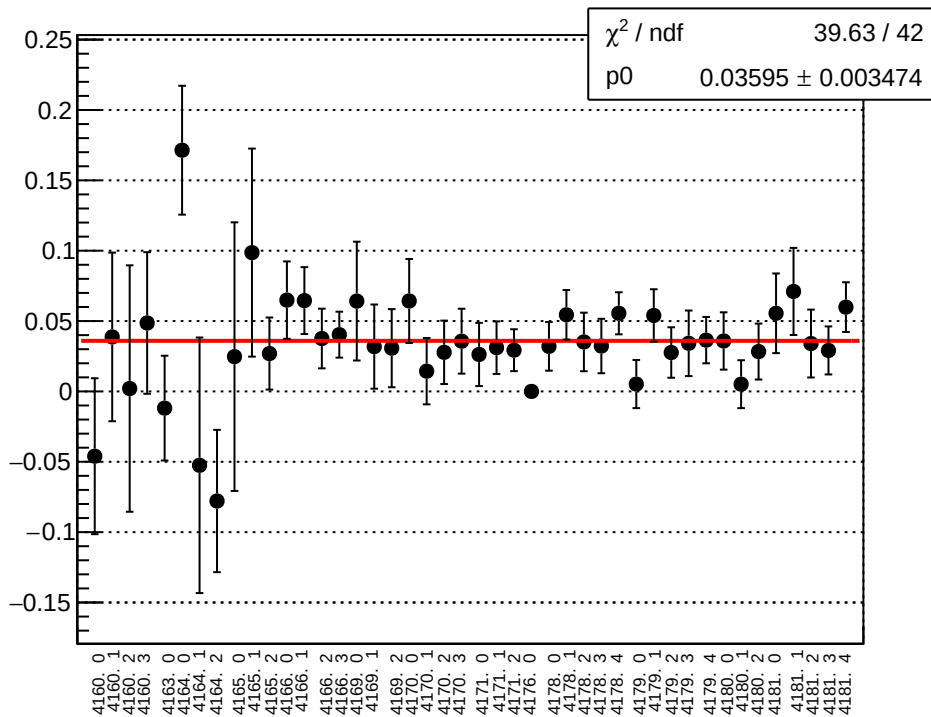
reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4aX\_slope vs run



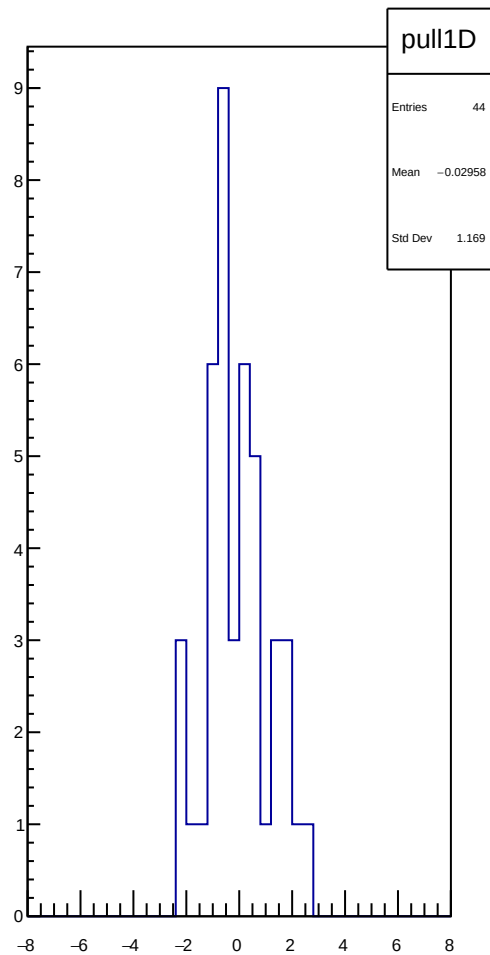
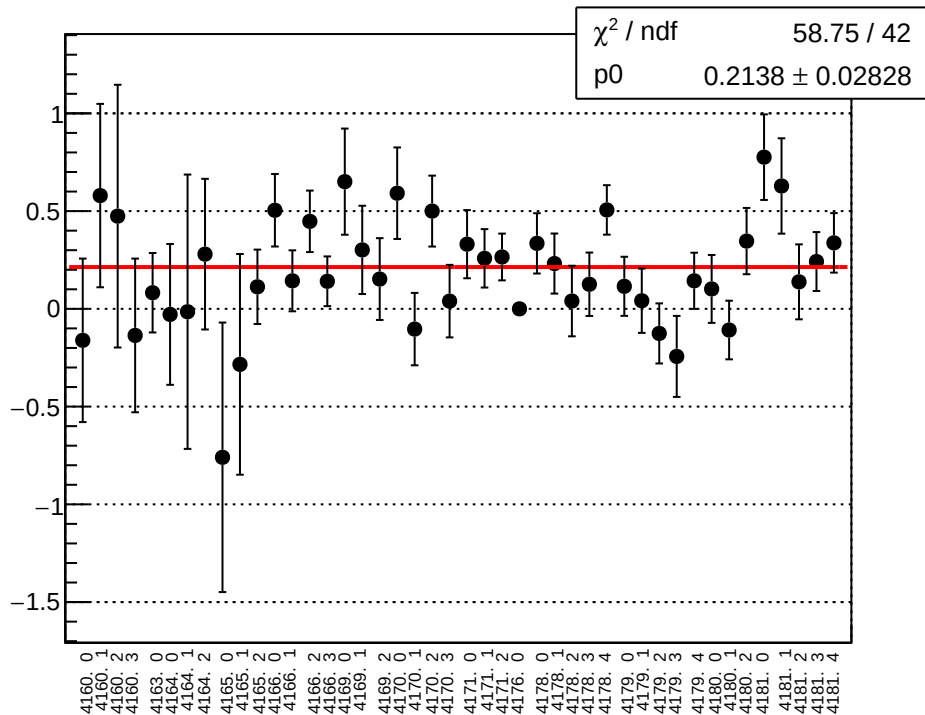
reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4aY\_slope vs run



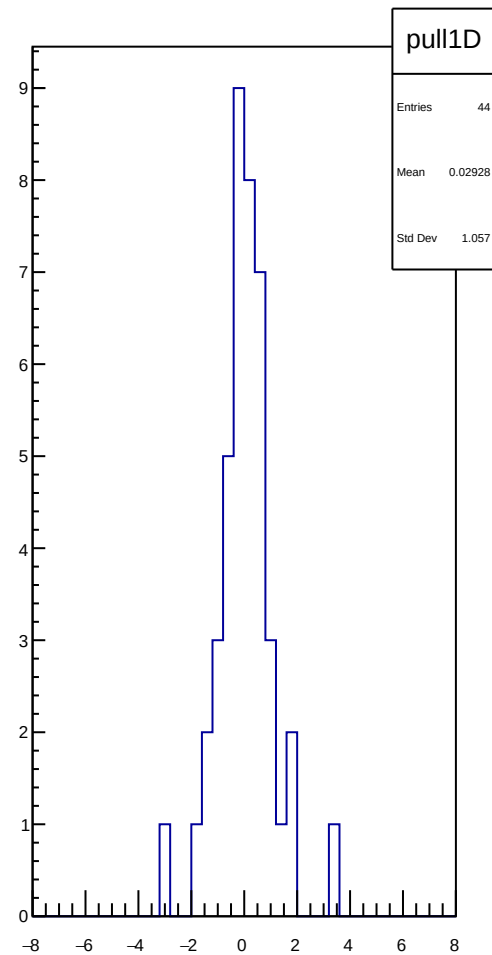
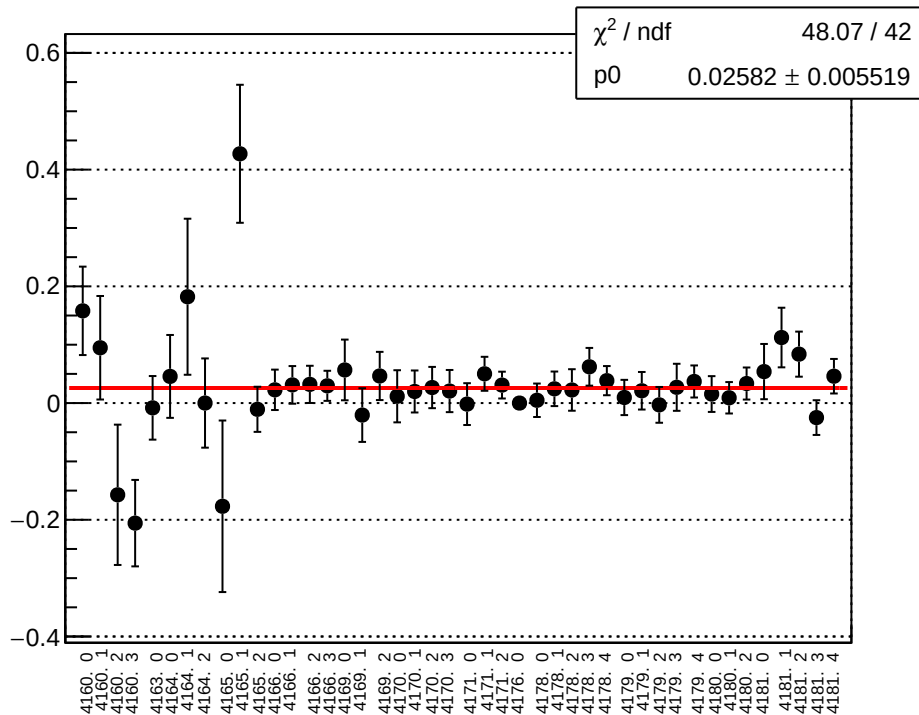
reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4eX\_slope vs run



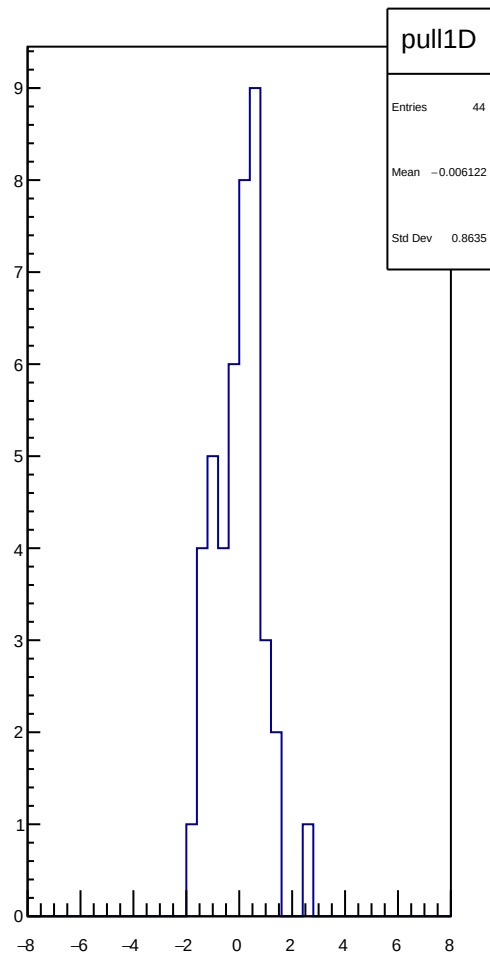
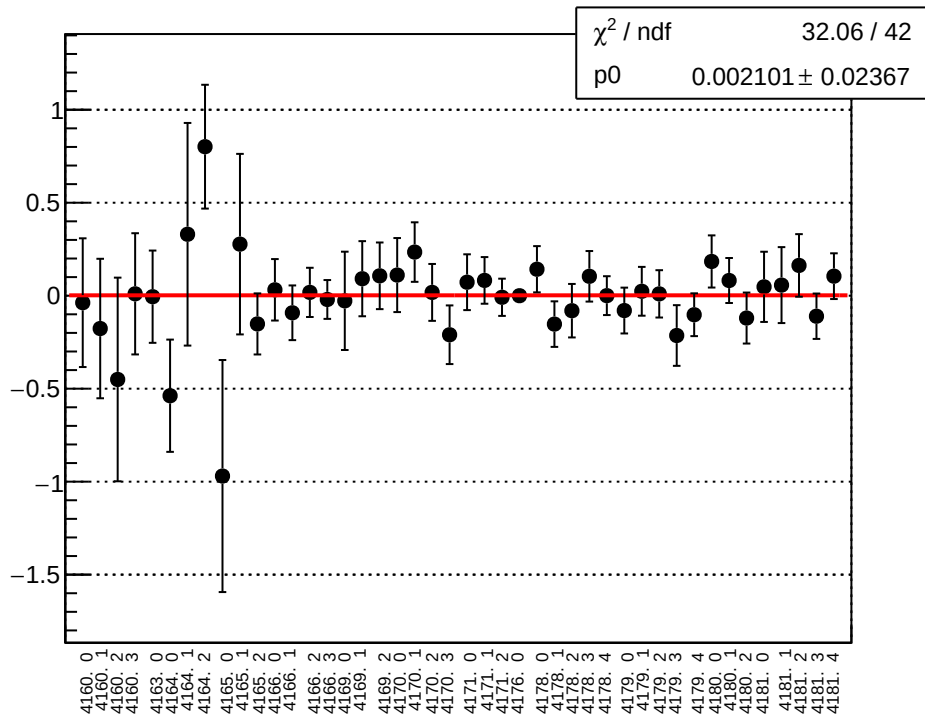
reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4eY\_slope vs run



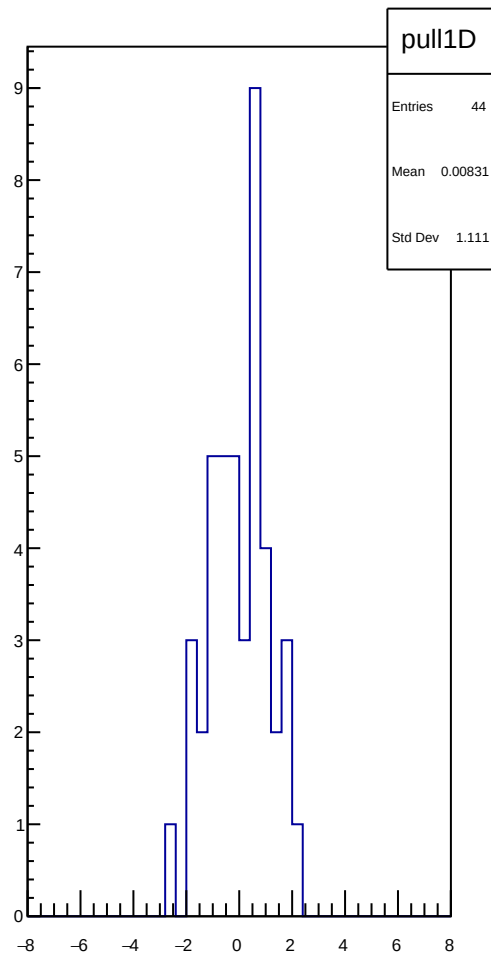
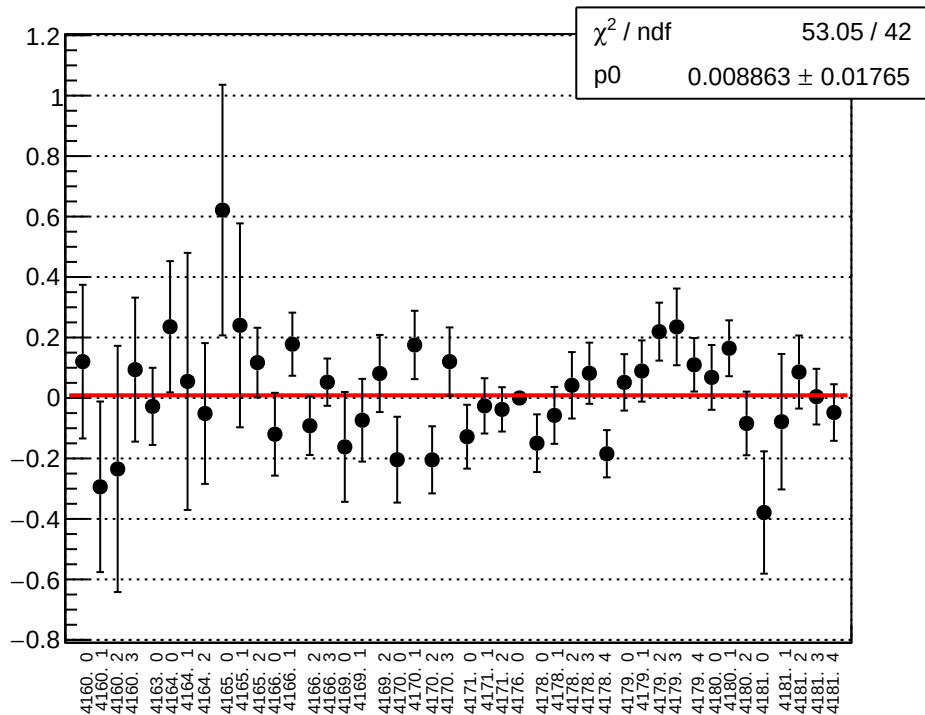
reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm11X\_slope vs run



reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm4aX\_slope vs run

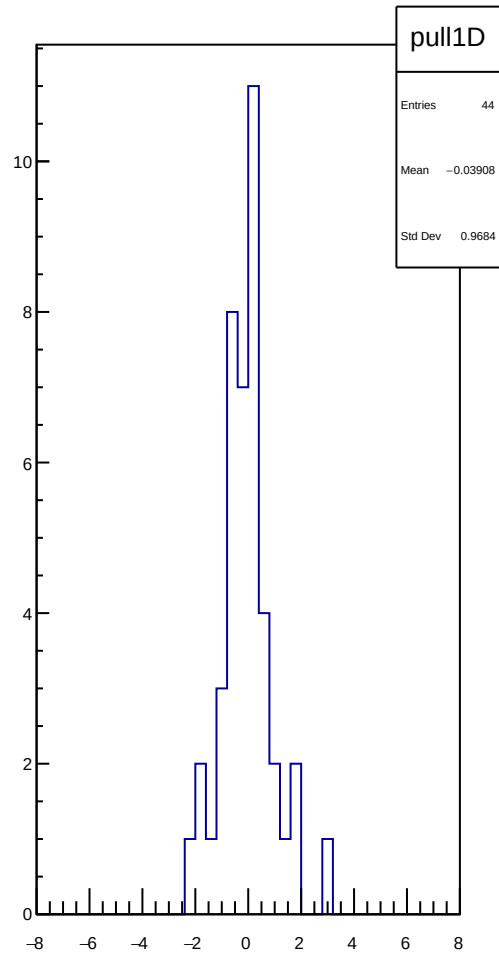
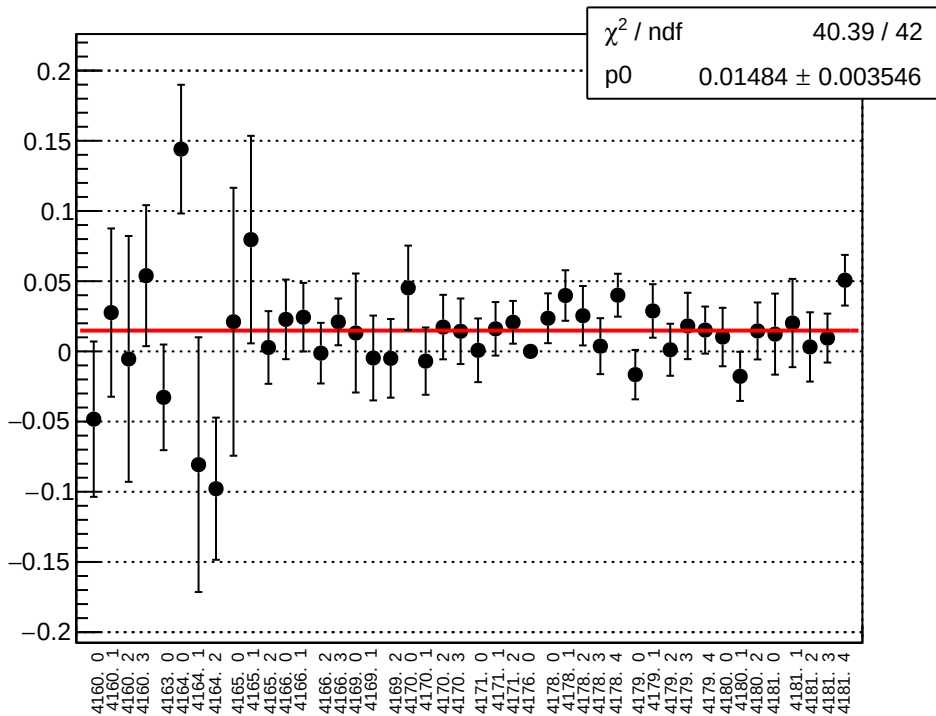


reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm4aY\_slope vs run

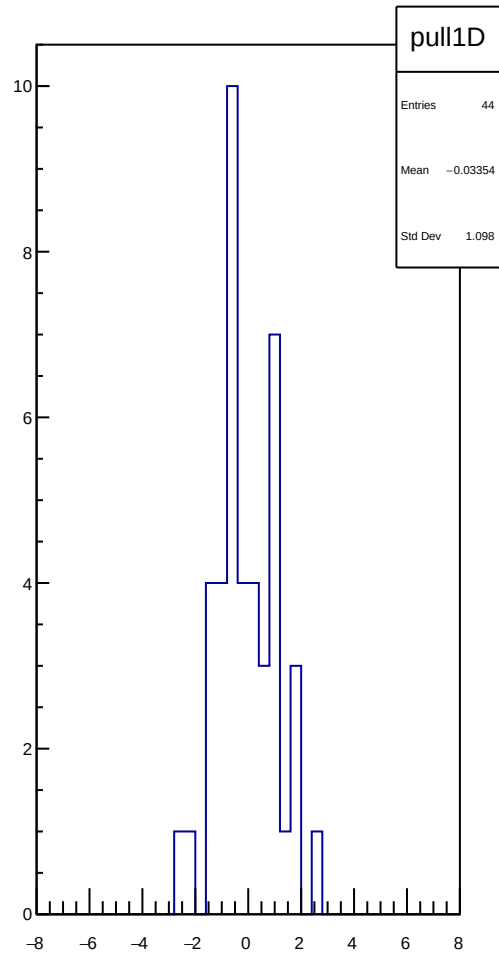
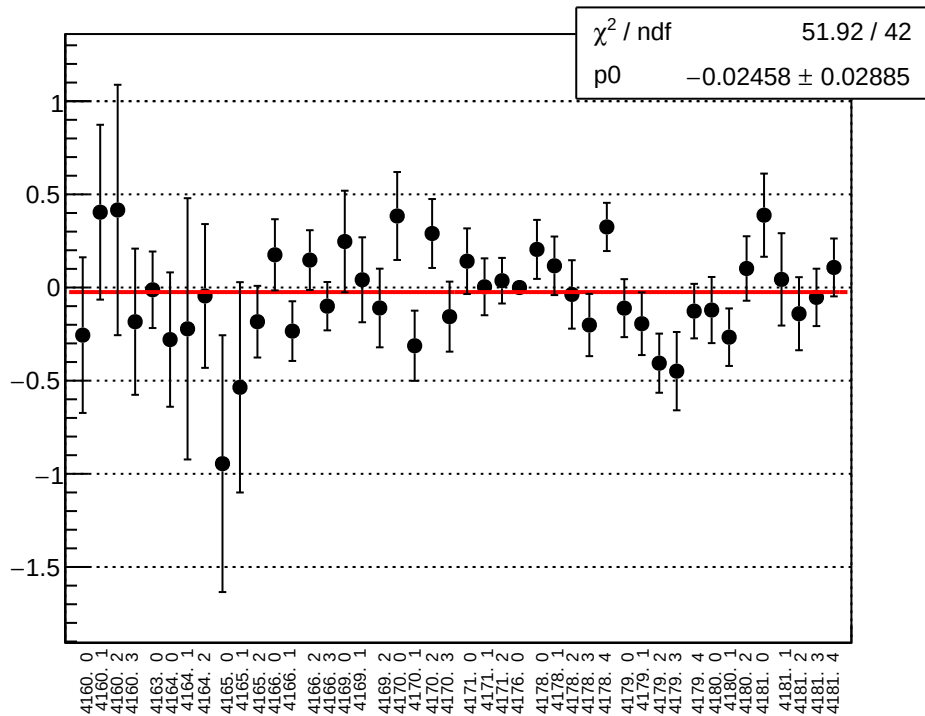




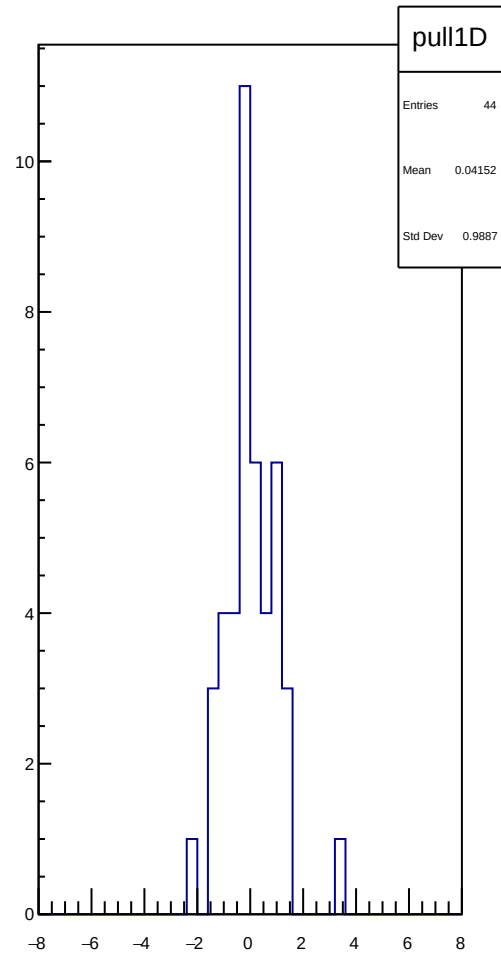
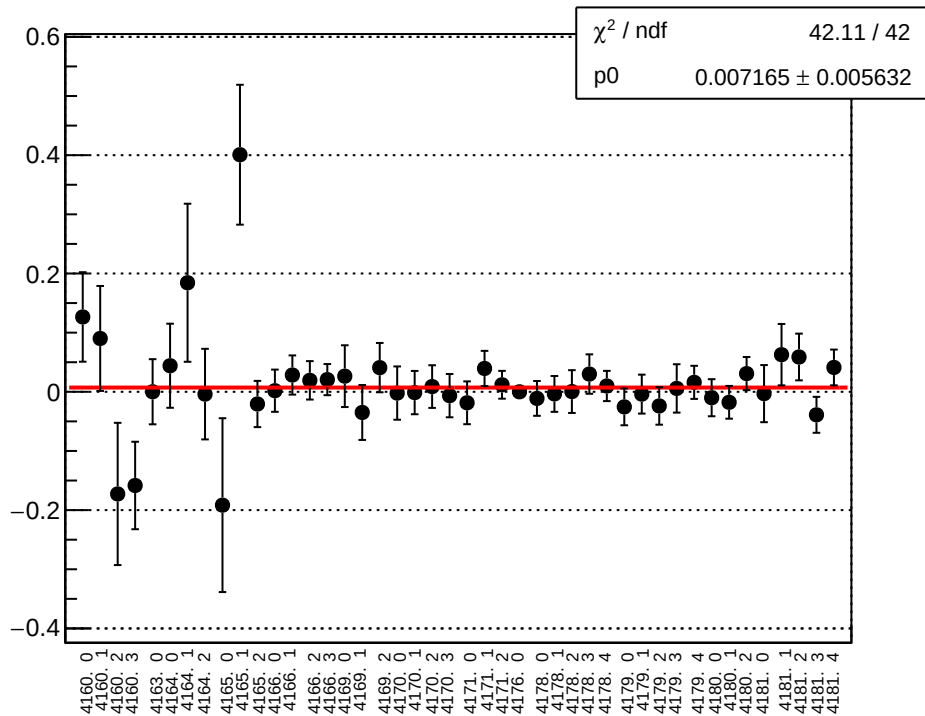
reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm4eX\_slope vs run



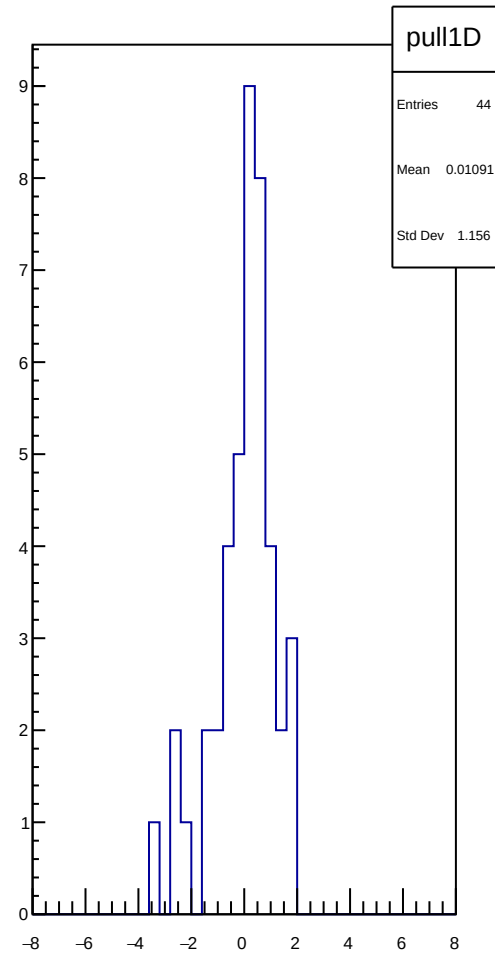
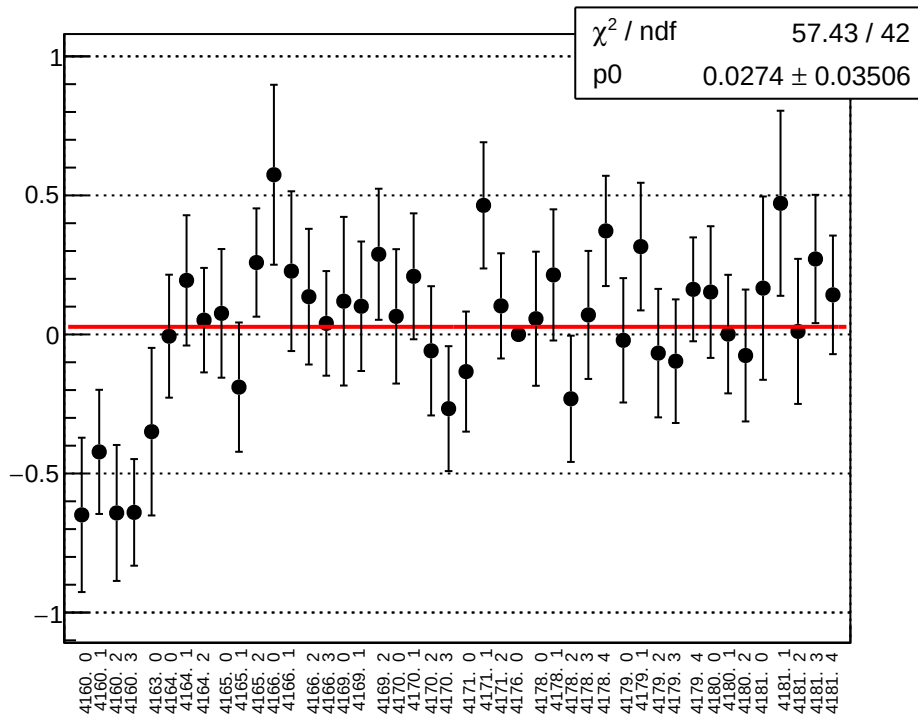
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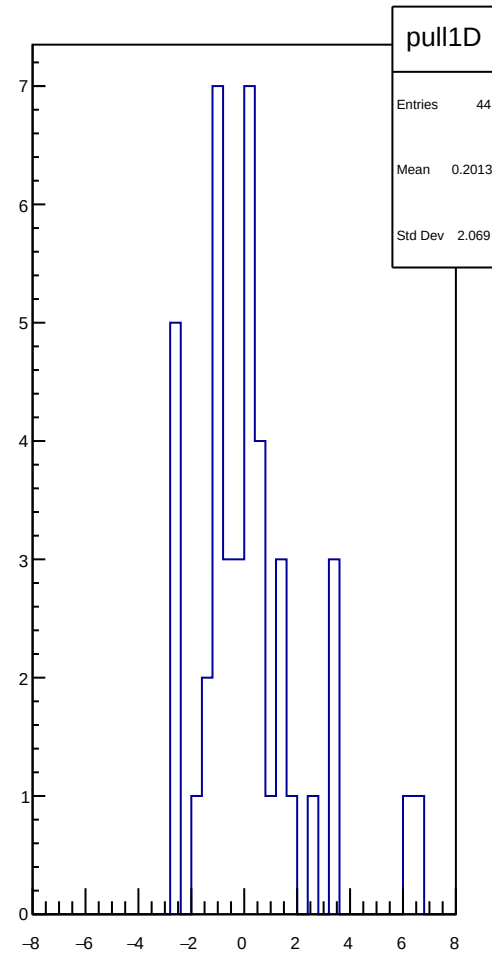
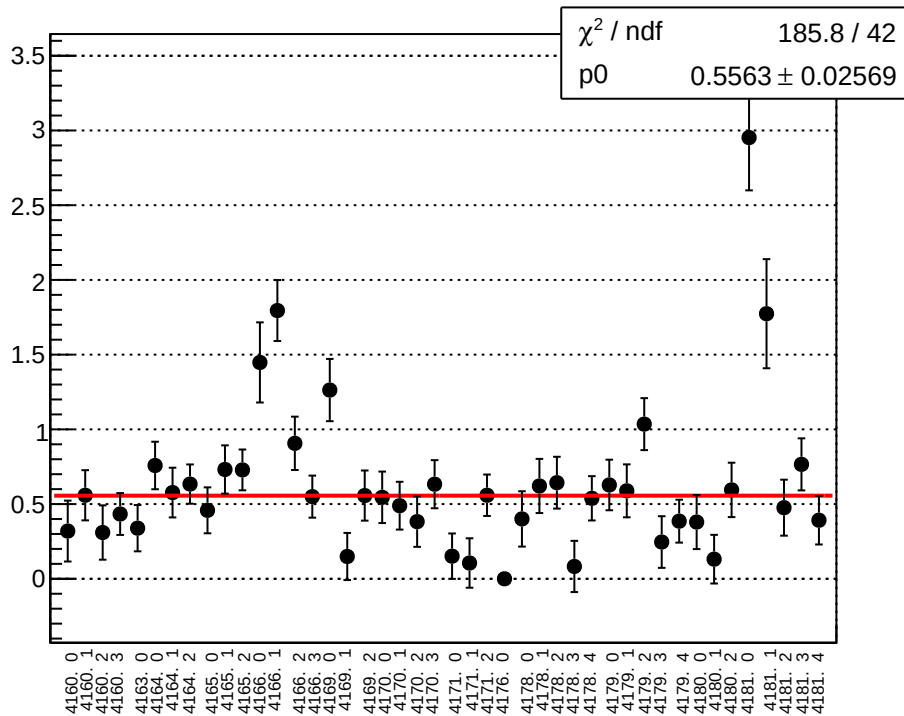
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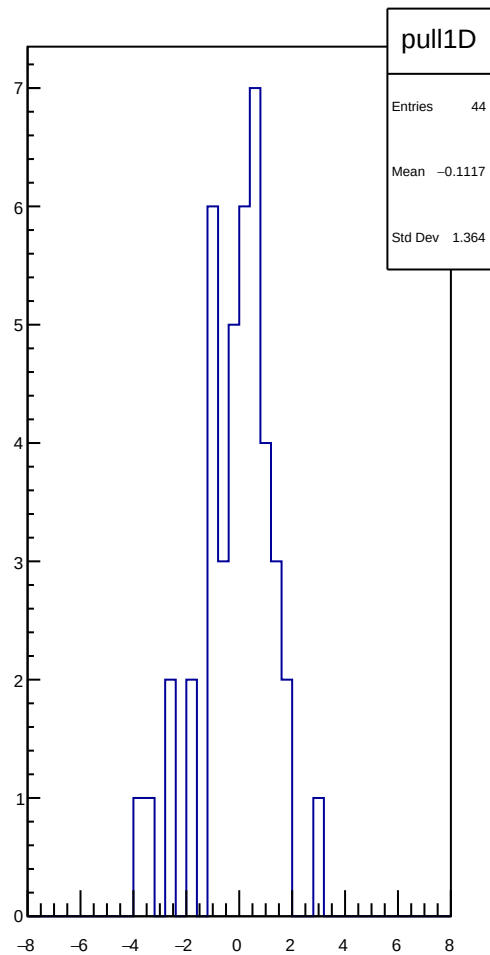
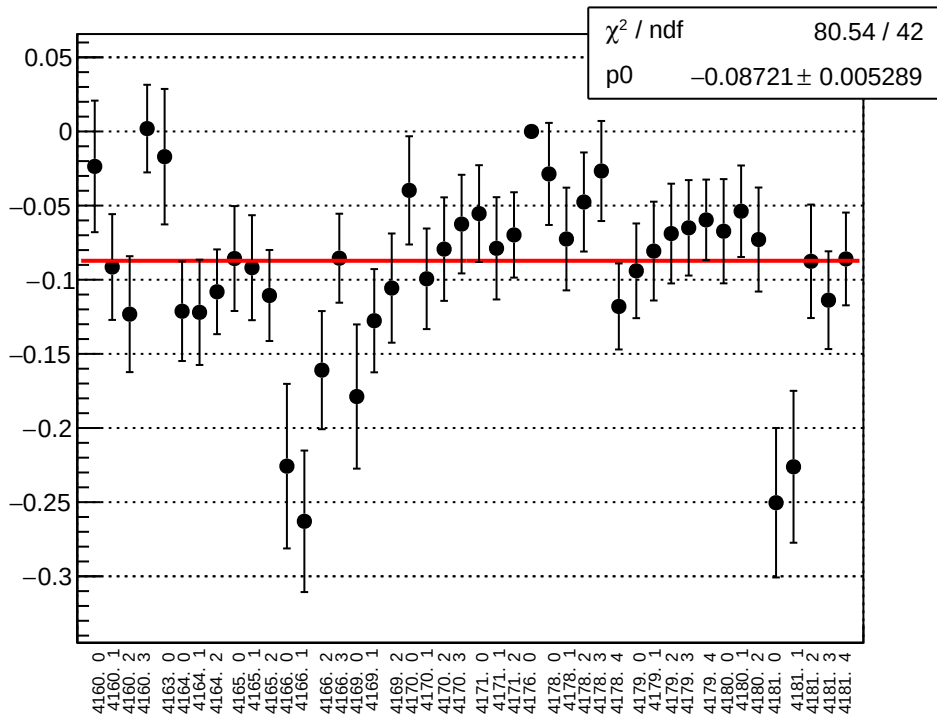
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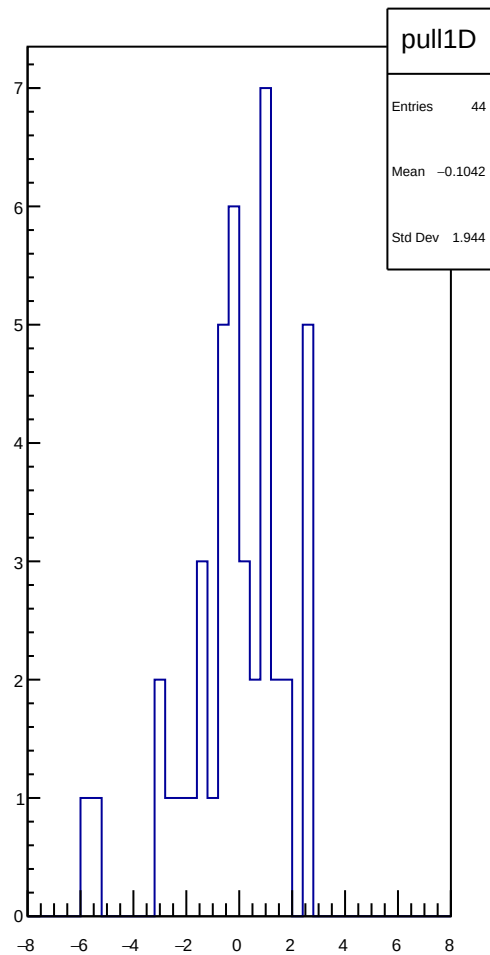
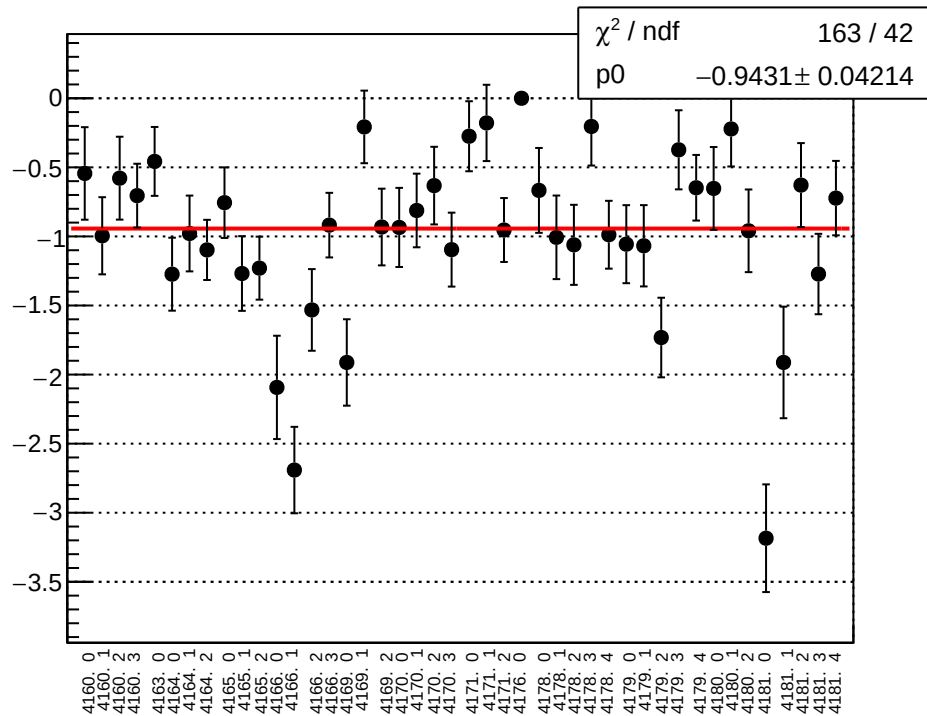
reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm4aY\_slope vs run



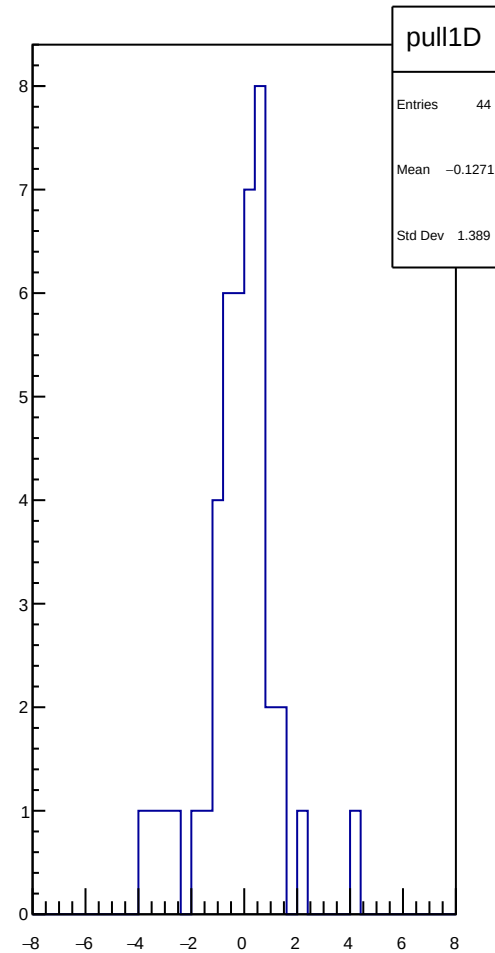
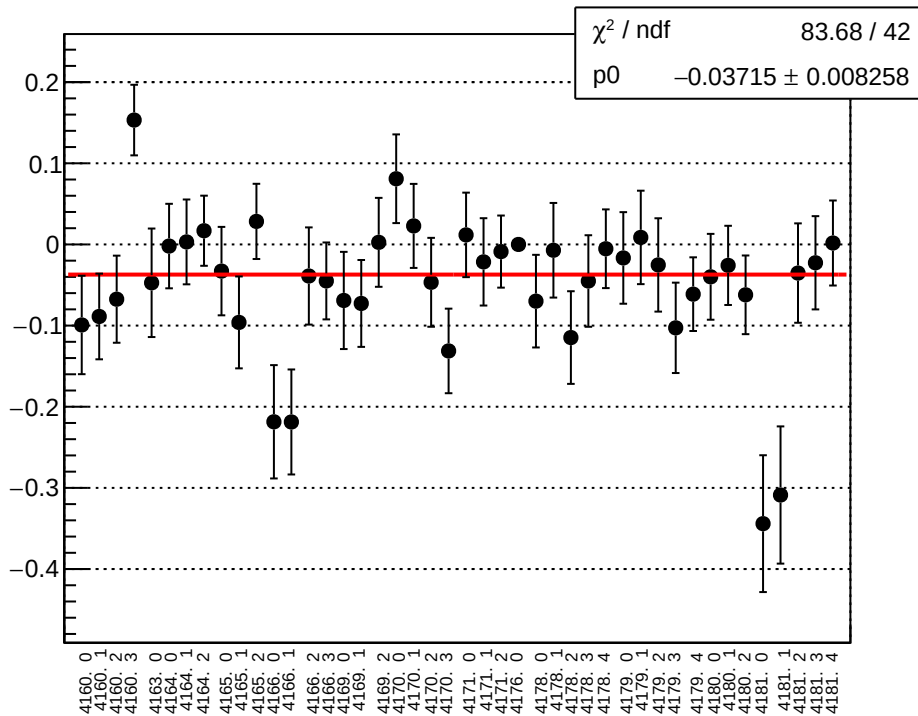
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reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm4eY\_slope vs run

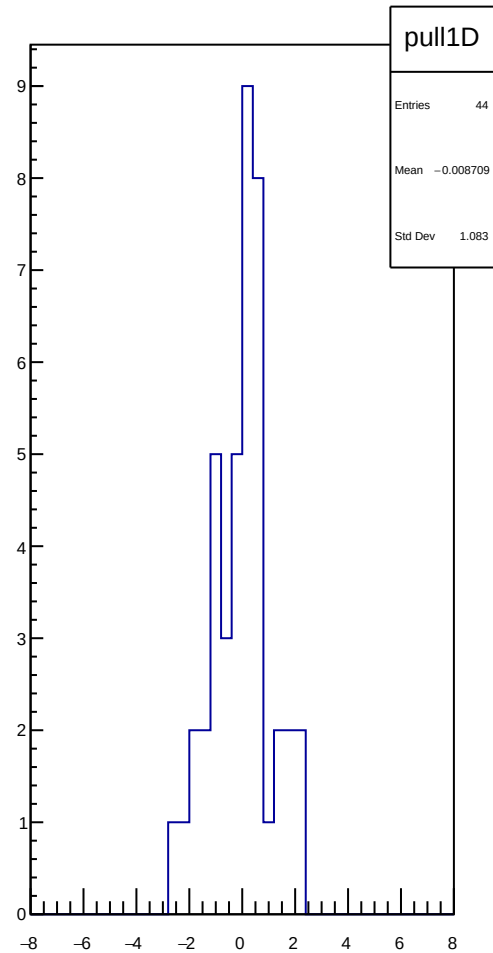
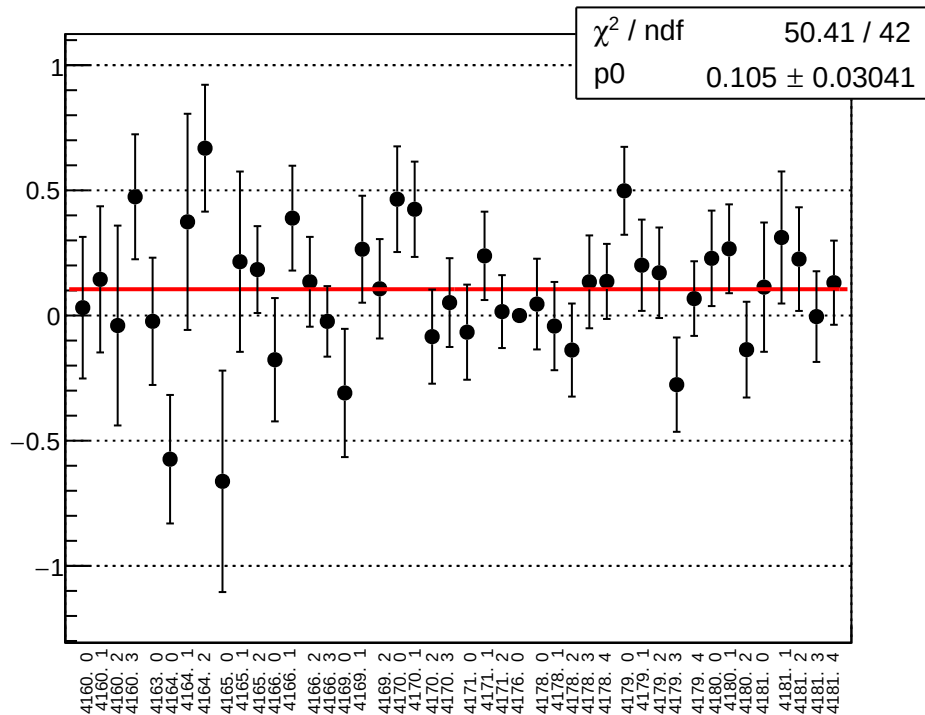


reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm11X\_slope vs run

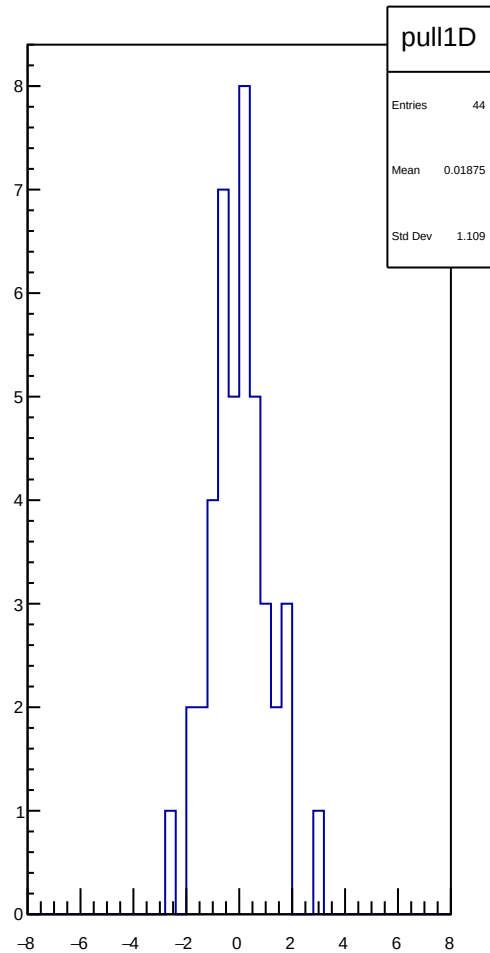
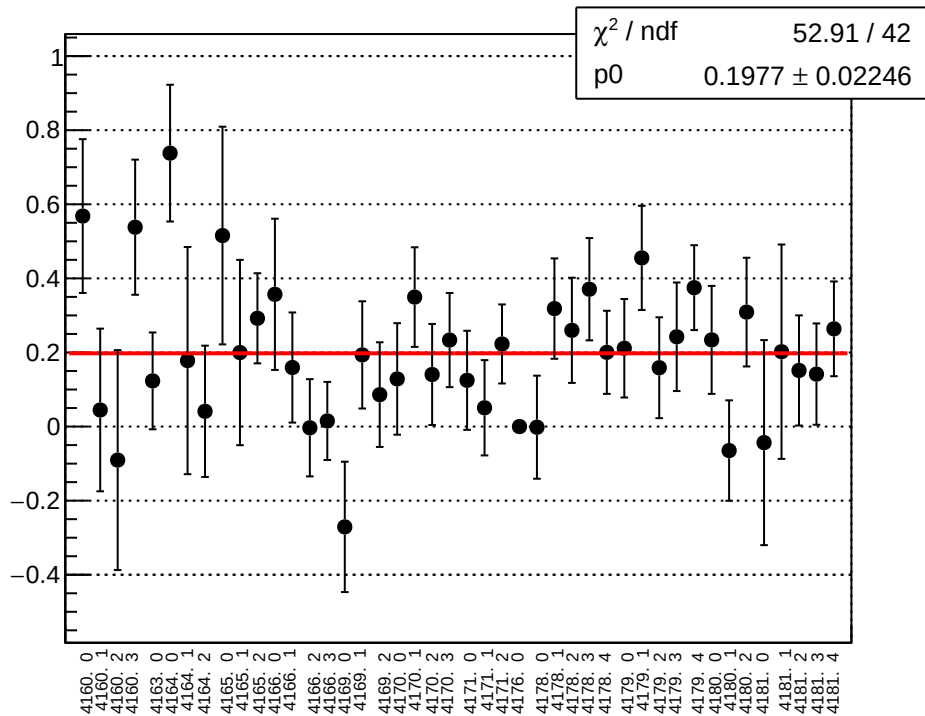




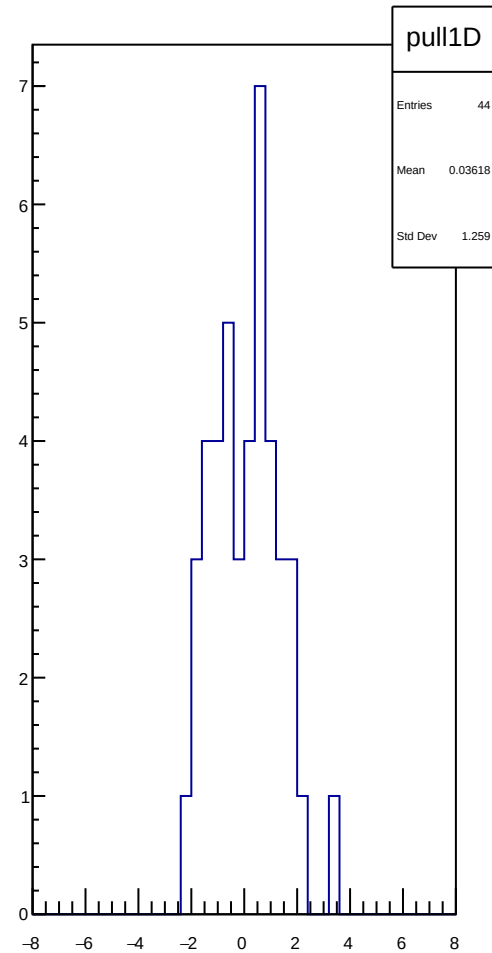
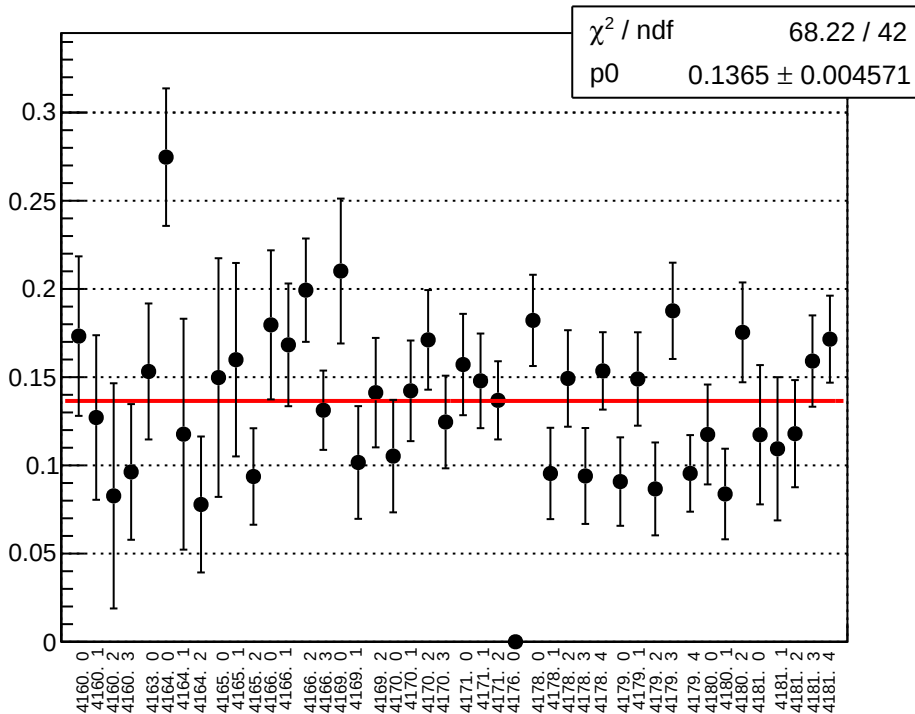
reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm4aX\_slope vs run



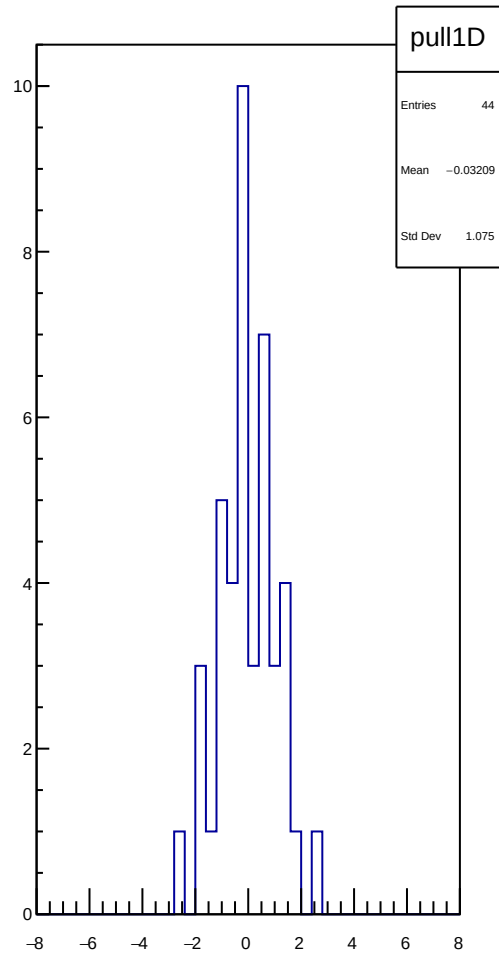
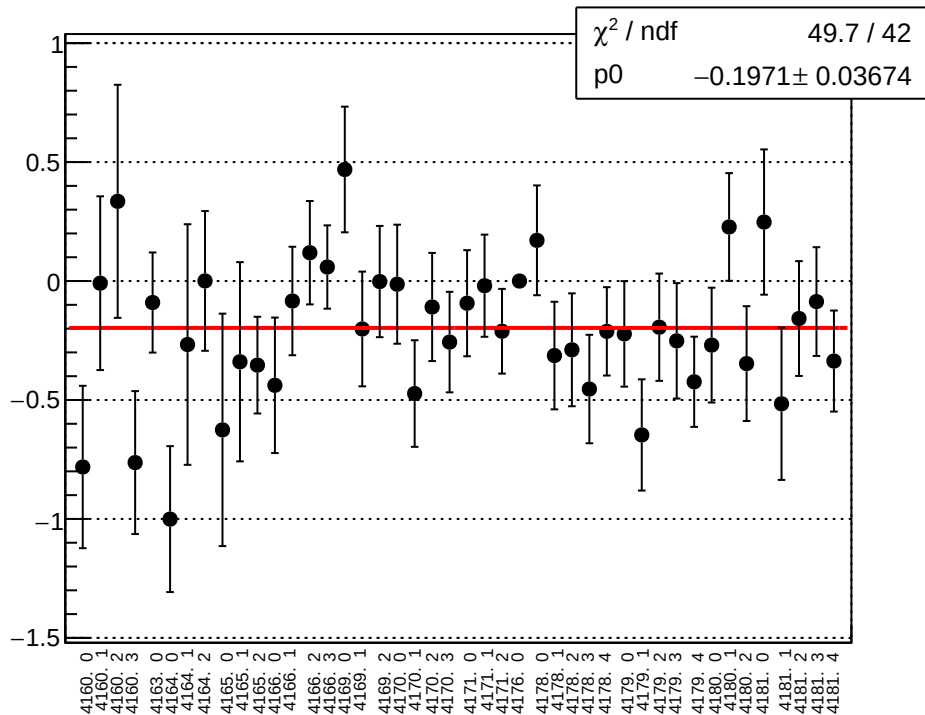
reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm4aY\_slope vs run



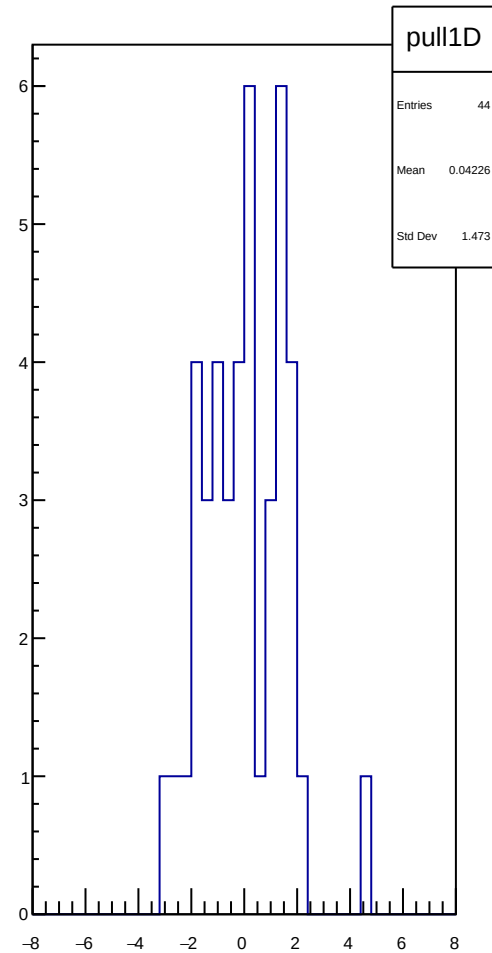
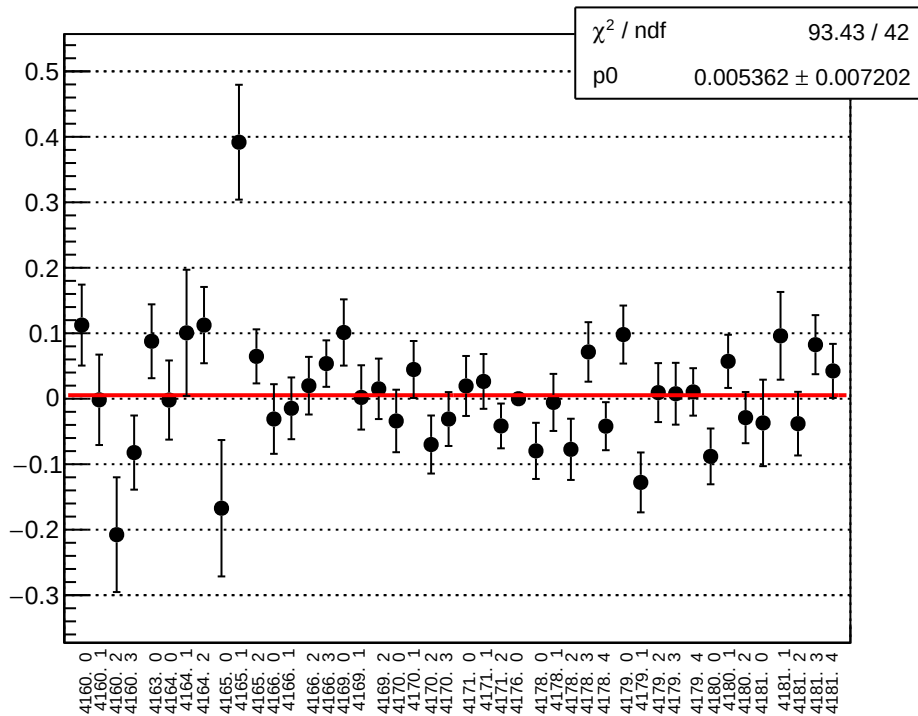
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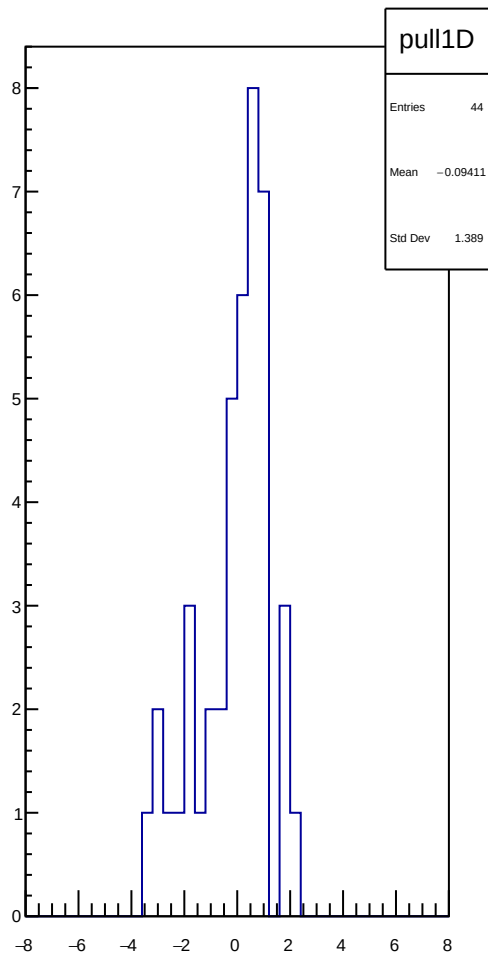
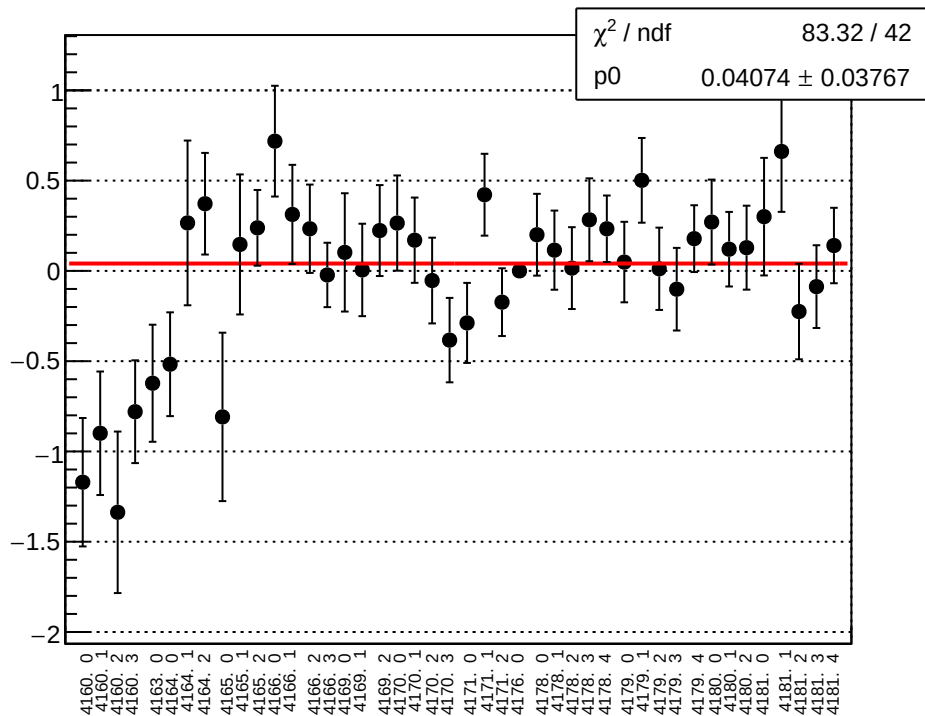
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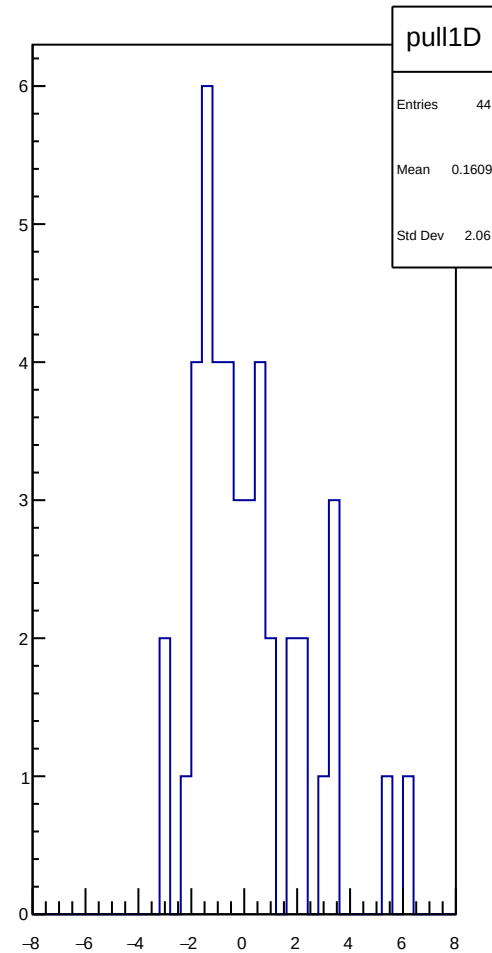
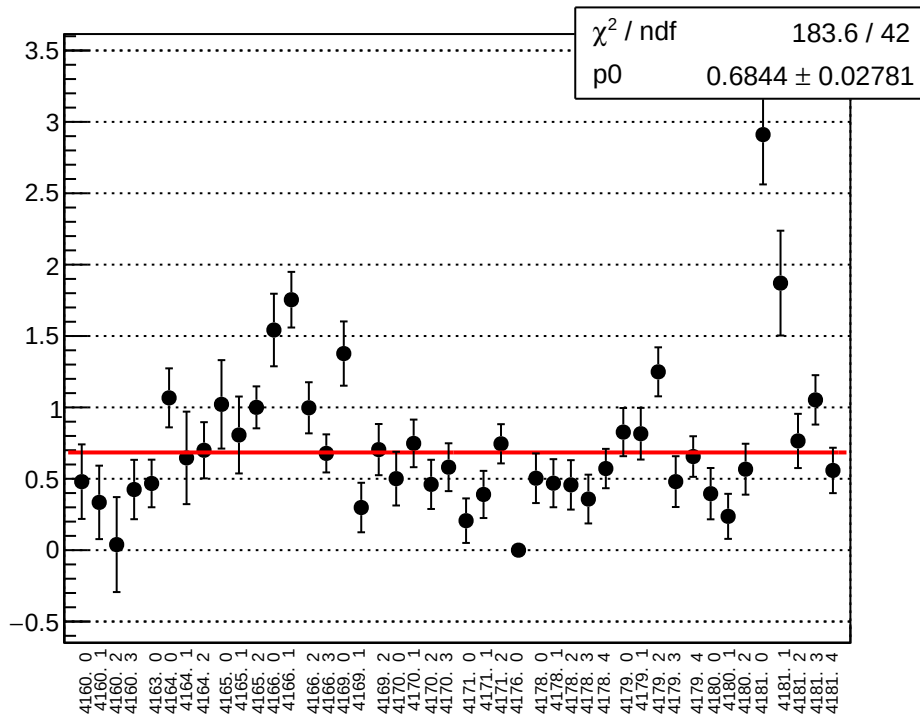
reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm11X\_slope vs run



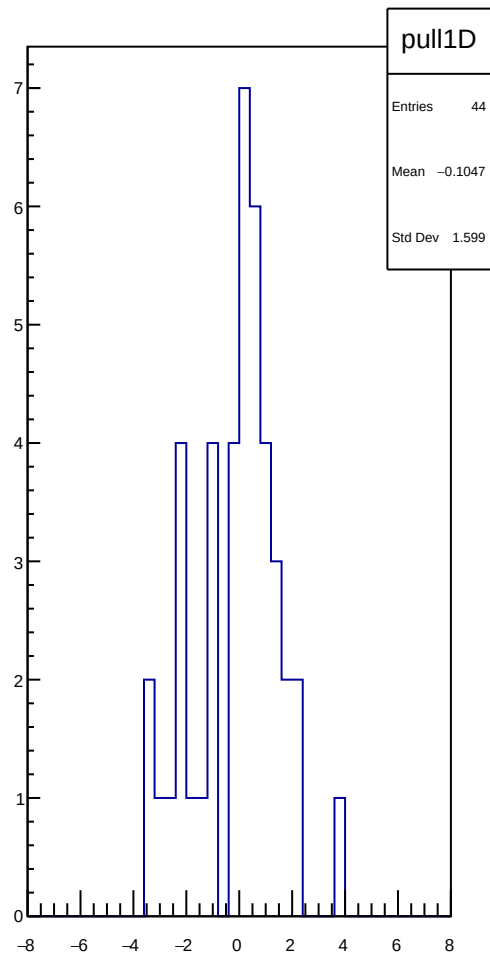
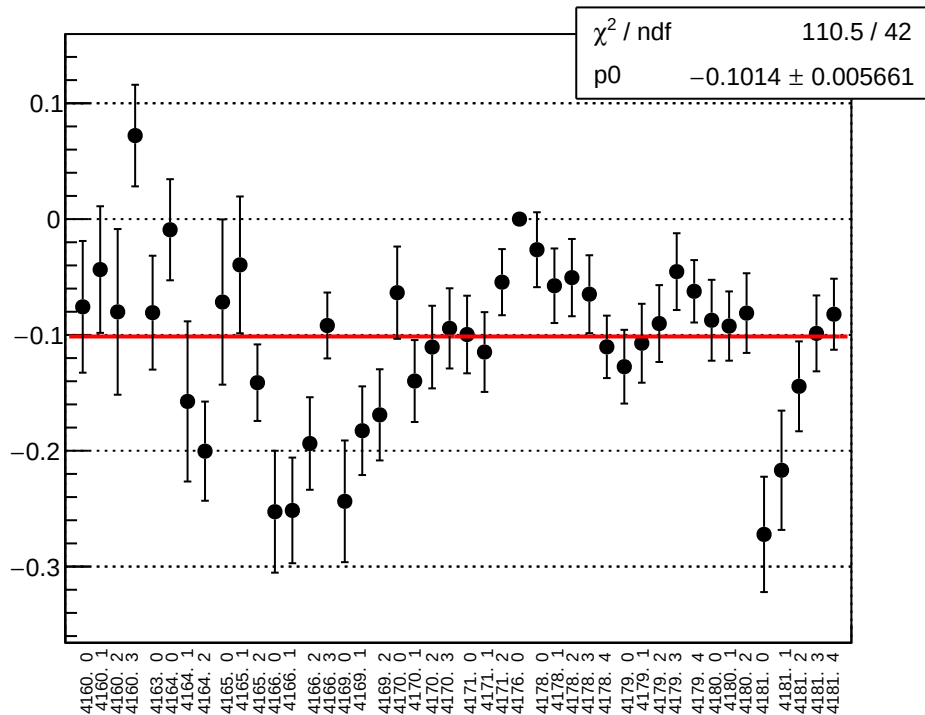
reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4aX\_slope vs run



reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4aY\_slope vs run

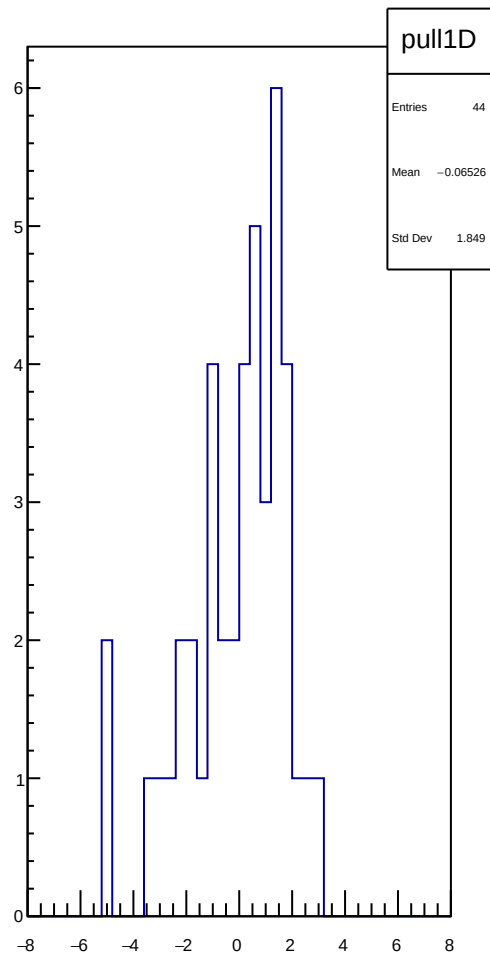
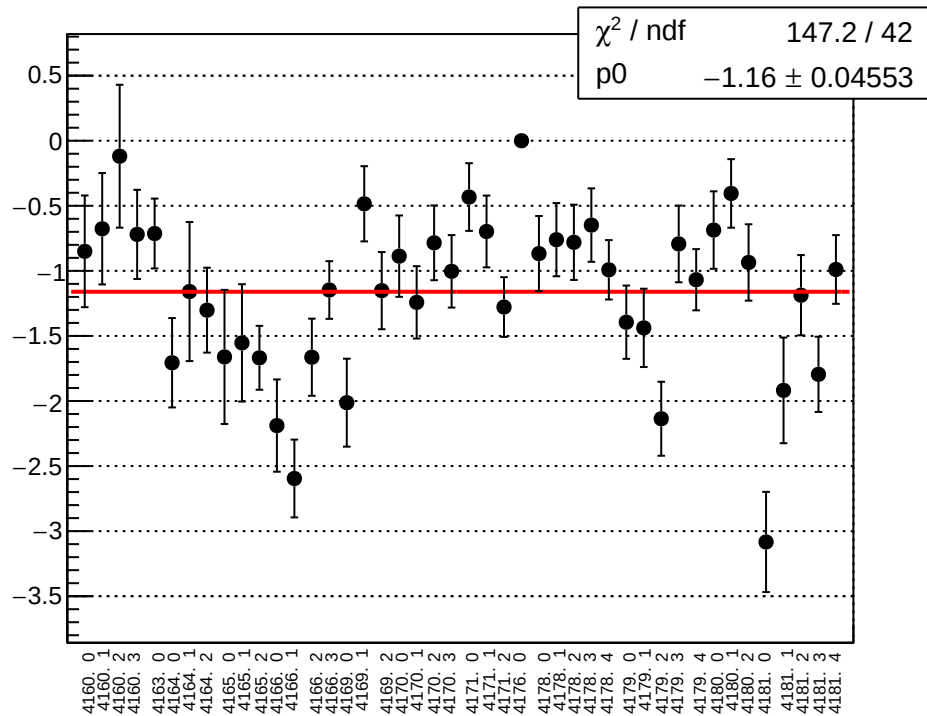


reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4eX\_slope vs run

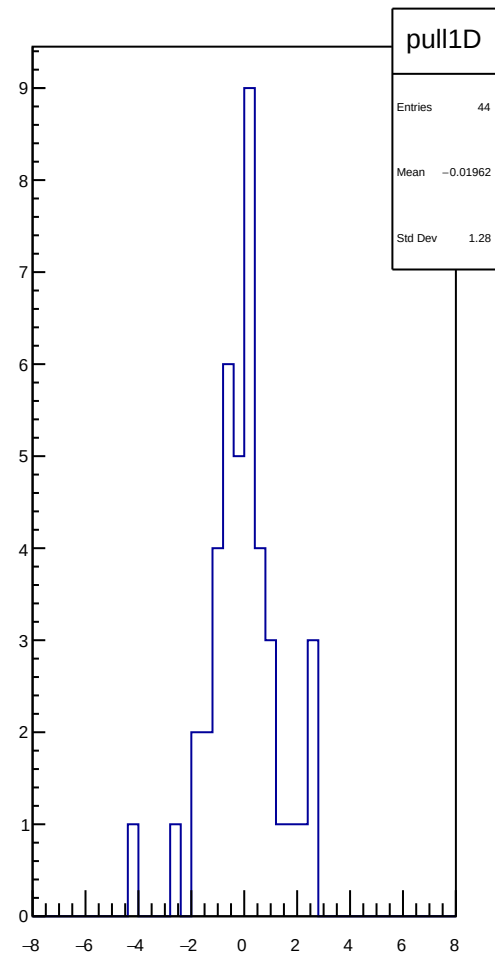
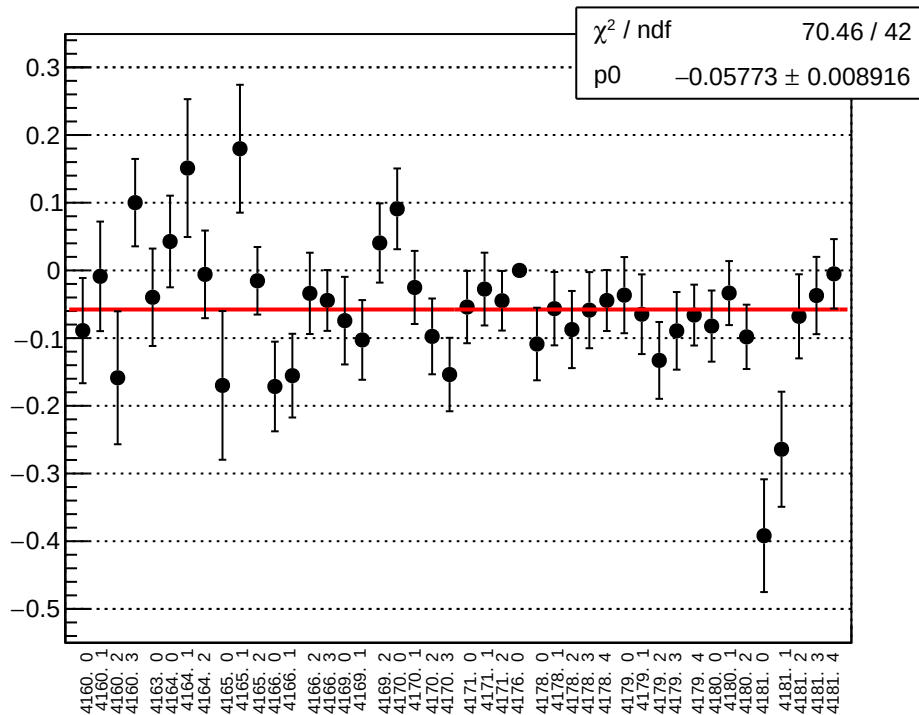




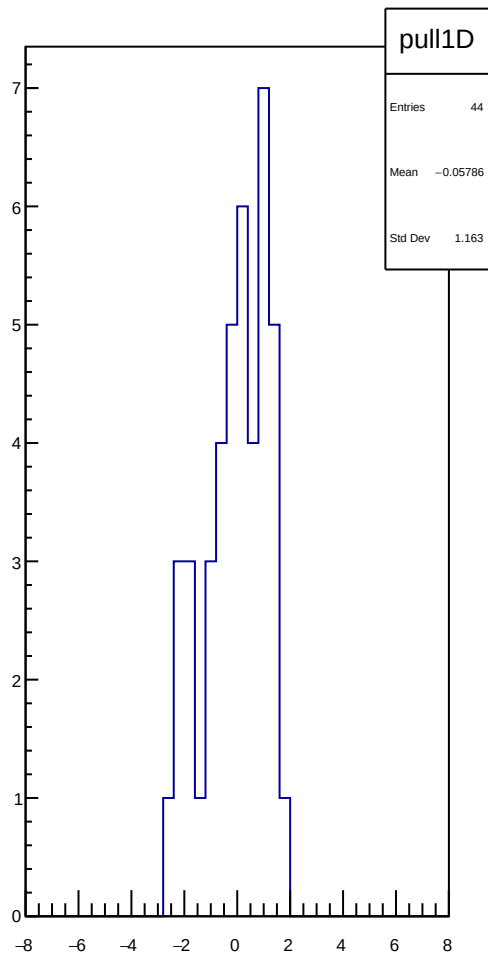
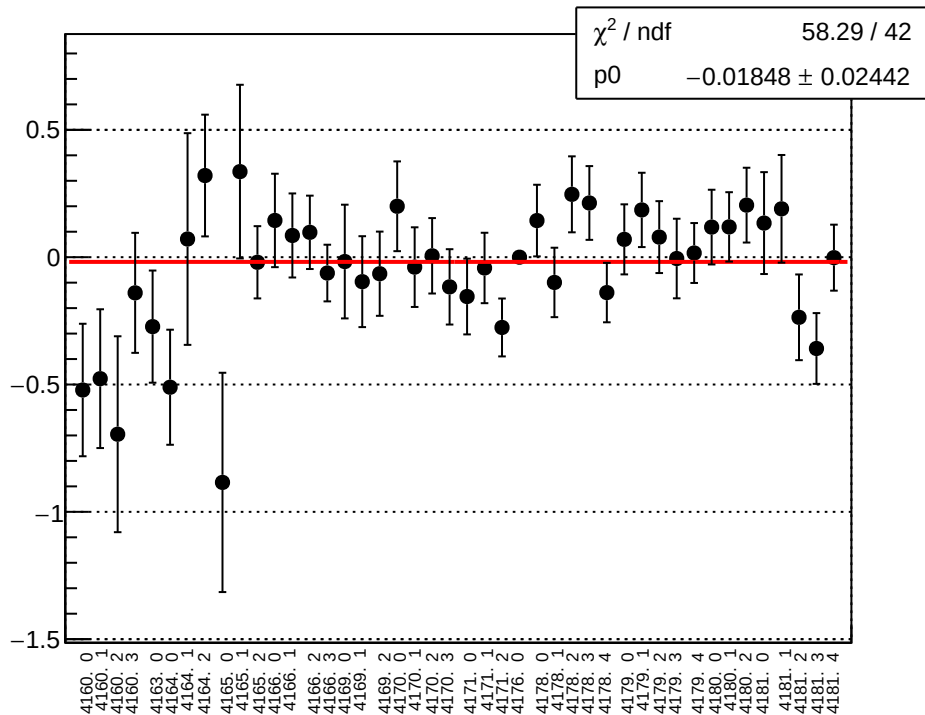
reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4eY\_slope vs run



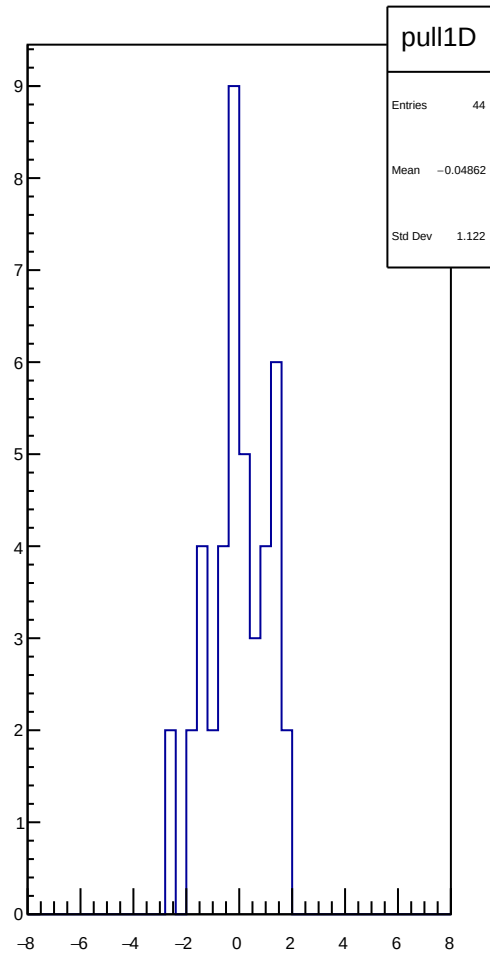
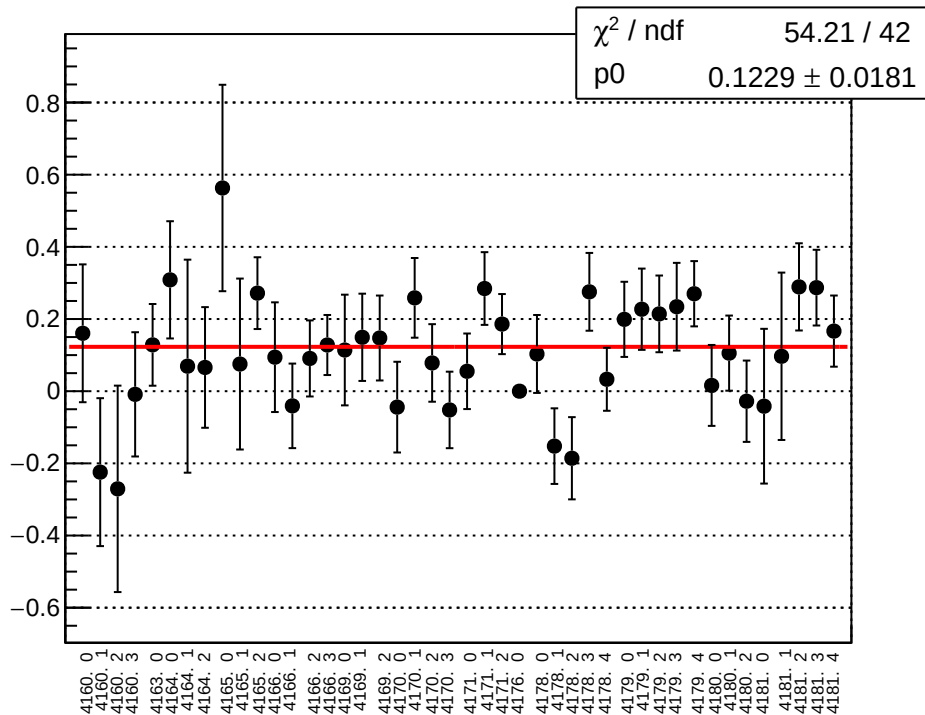
reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm11X\_slope vs run



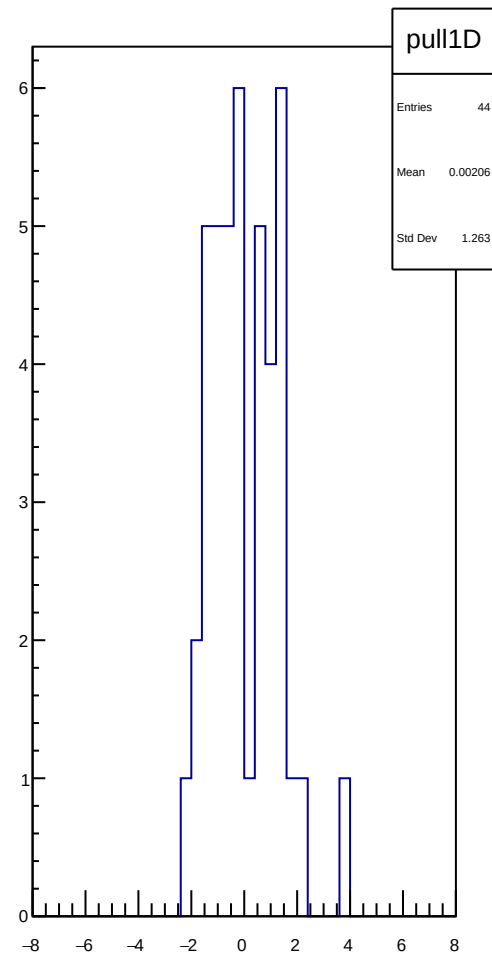
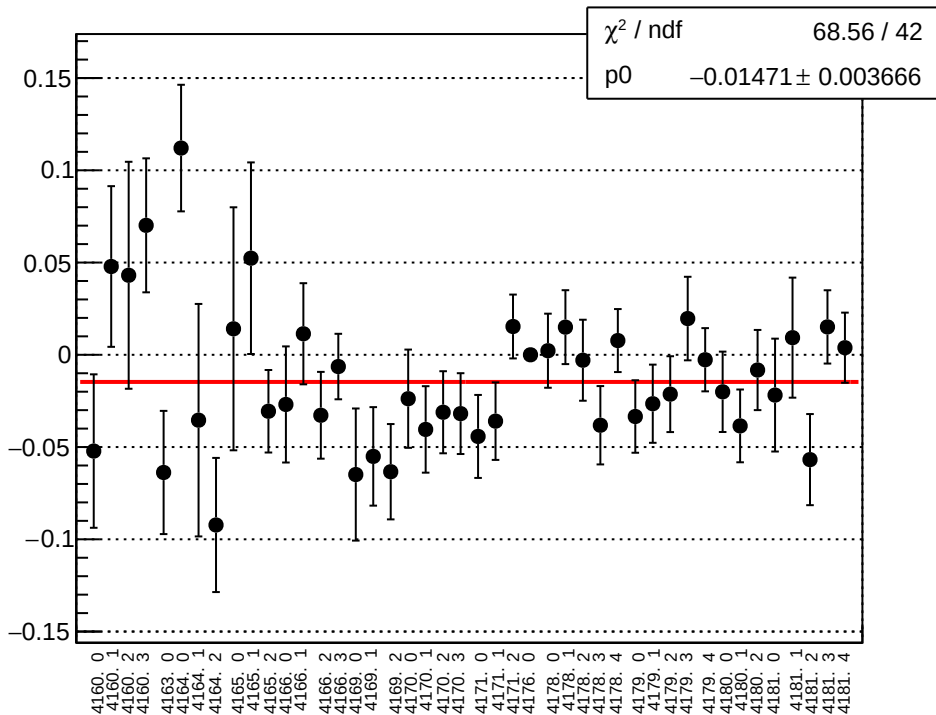
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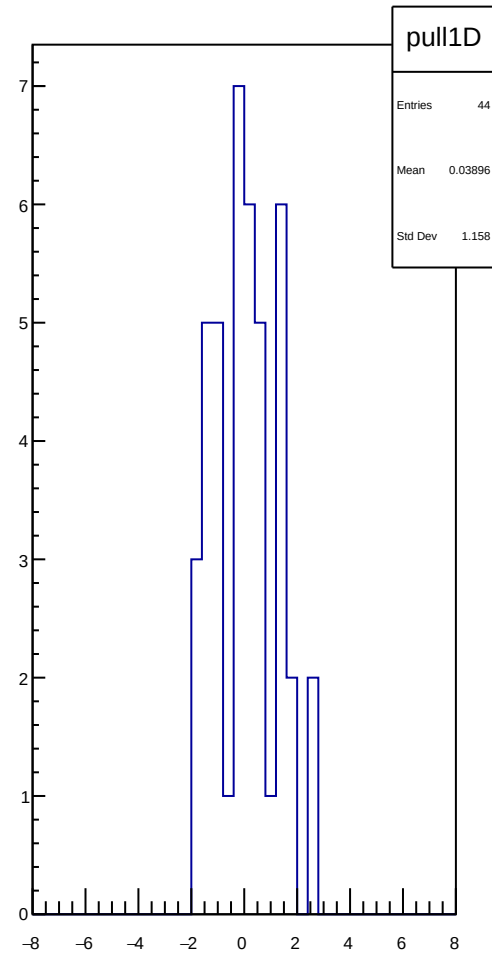
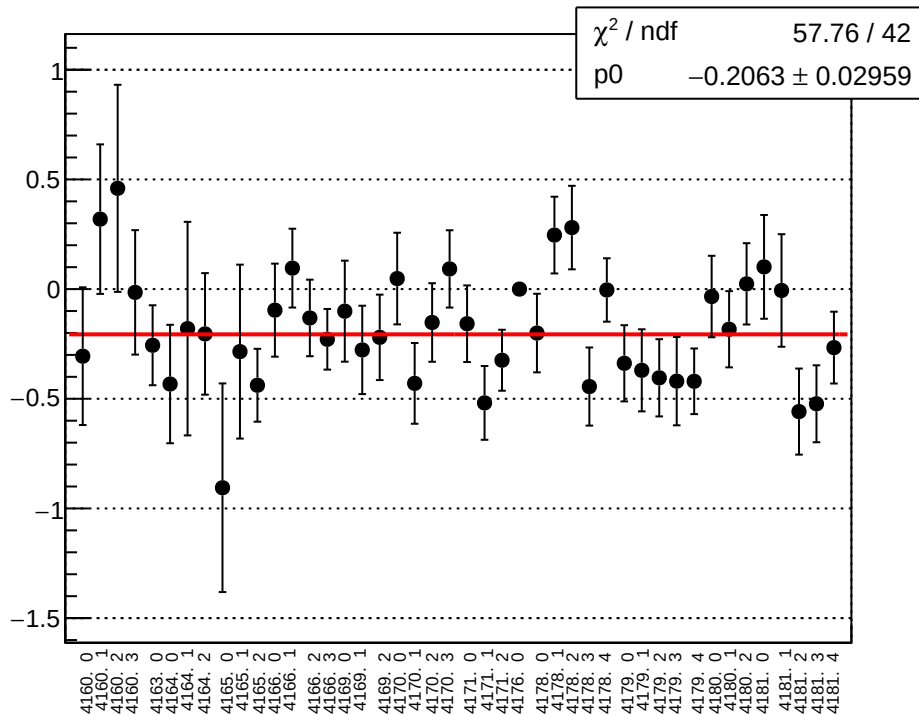
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reg\_bcm\_dg\_ds\_ds\_dd\_diff\_bpm11X\_slope vs run

