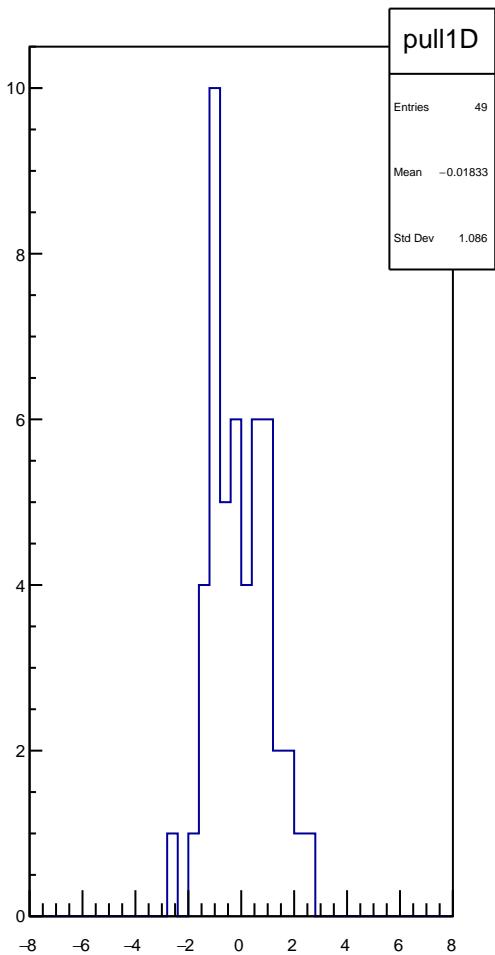
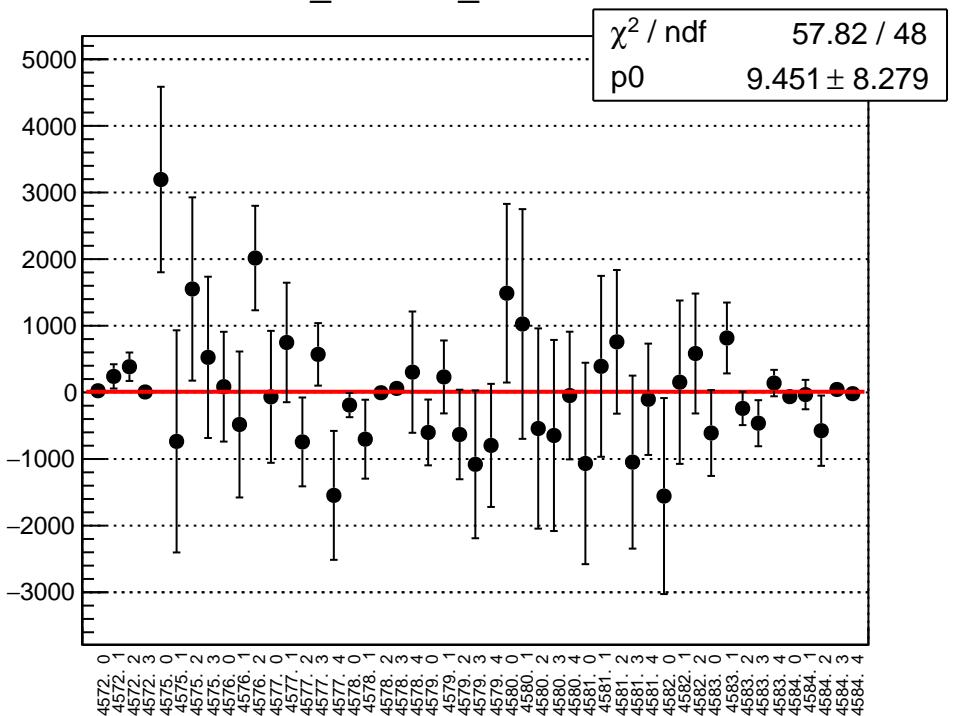
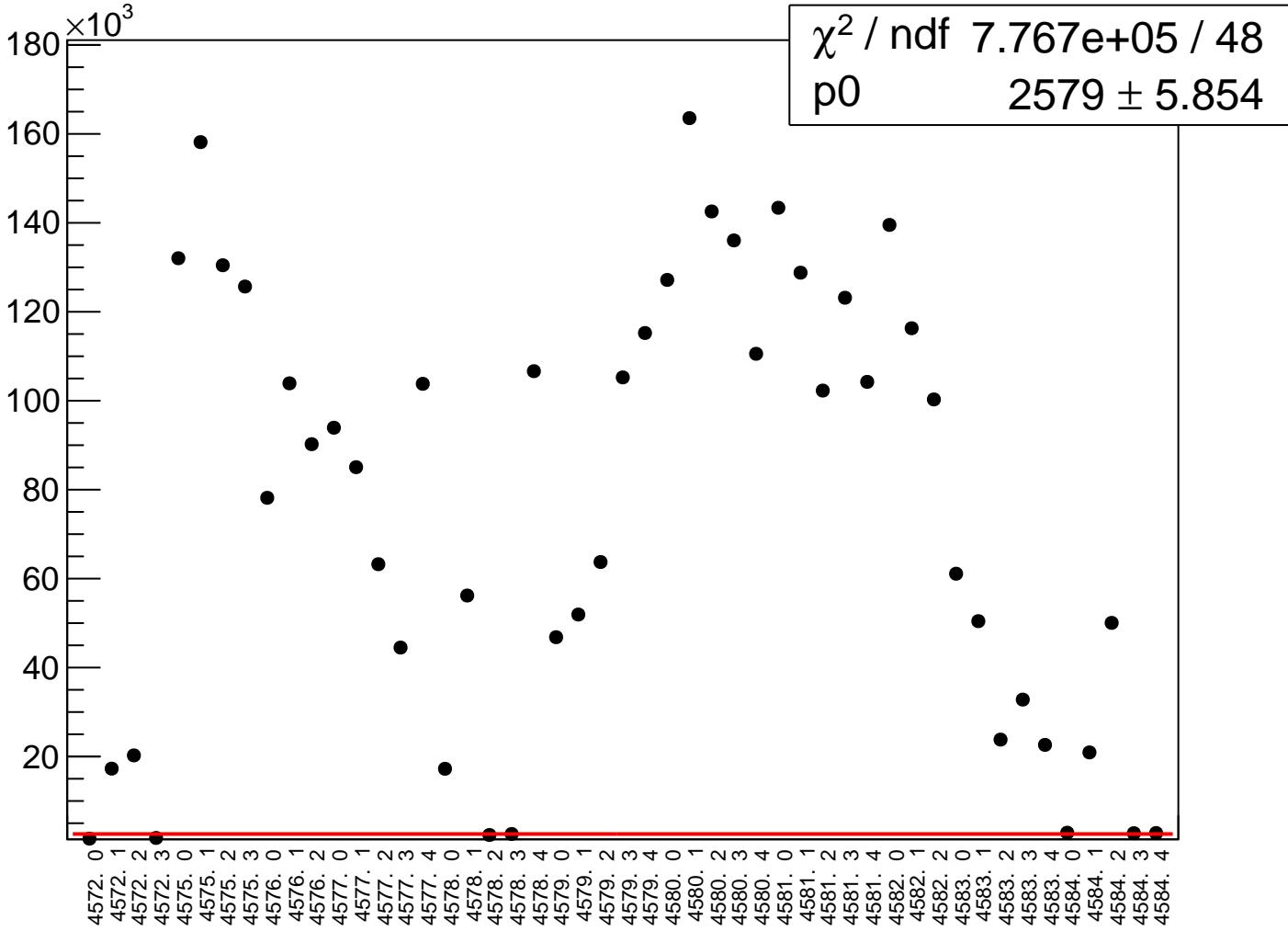


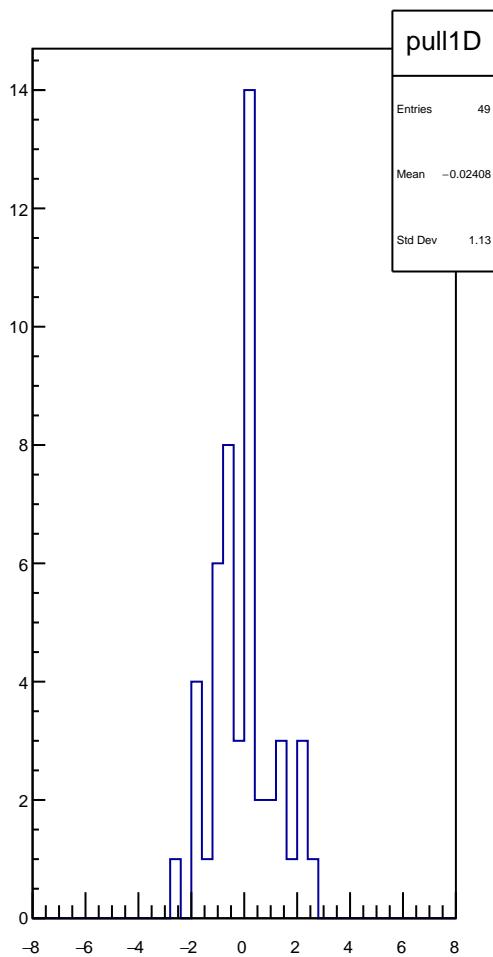
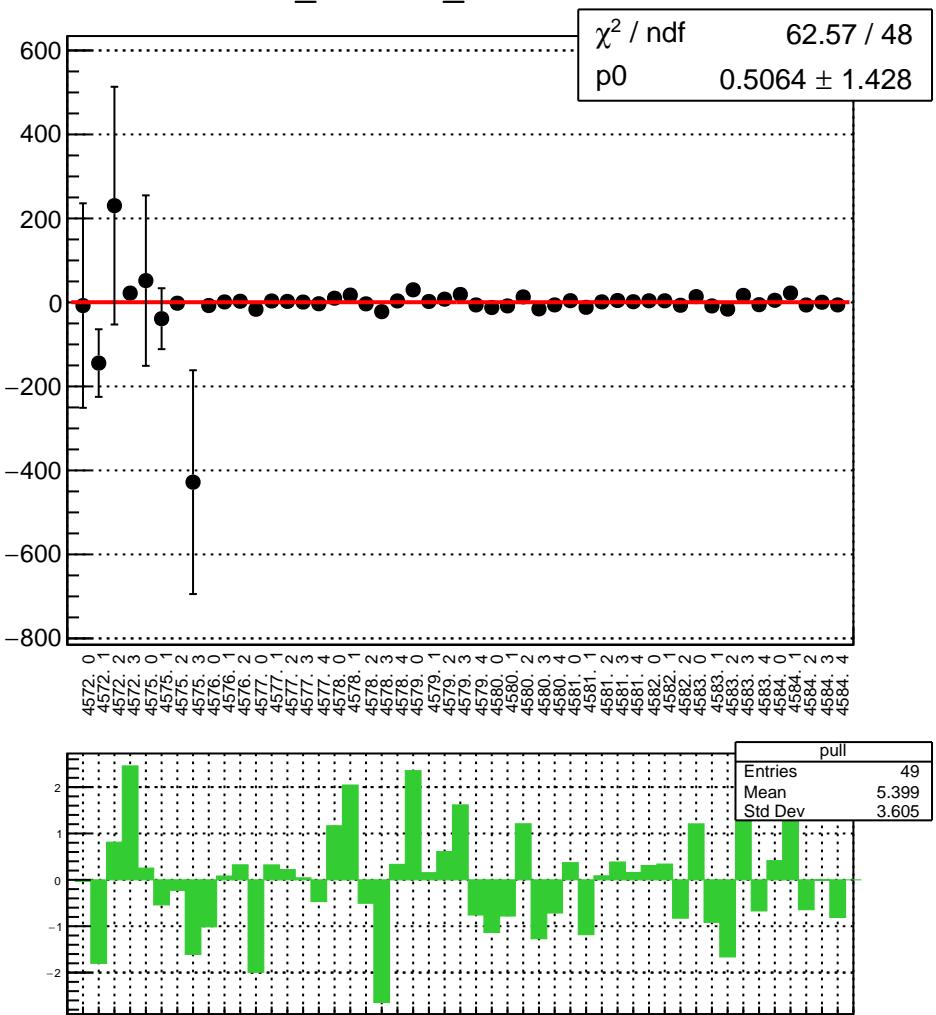
# diff\_cav4bX\_mean vs run



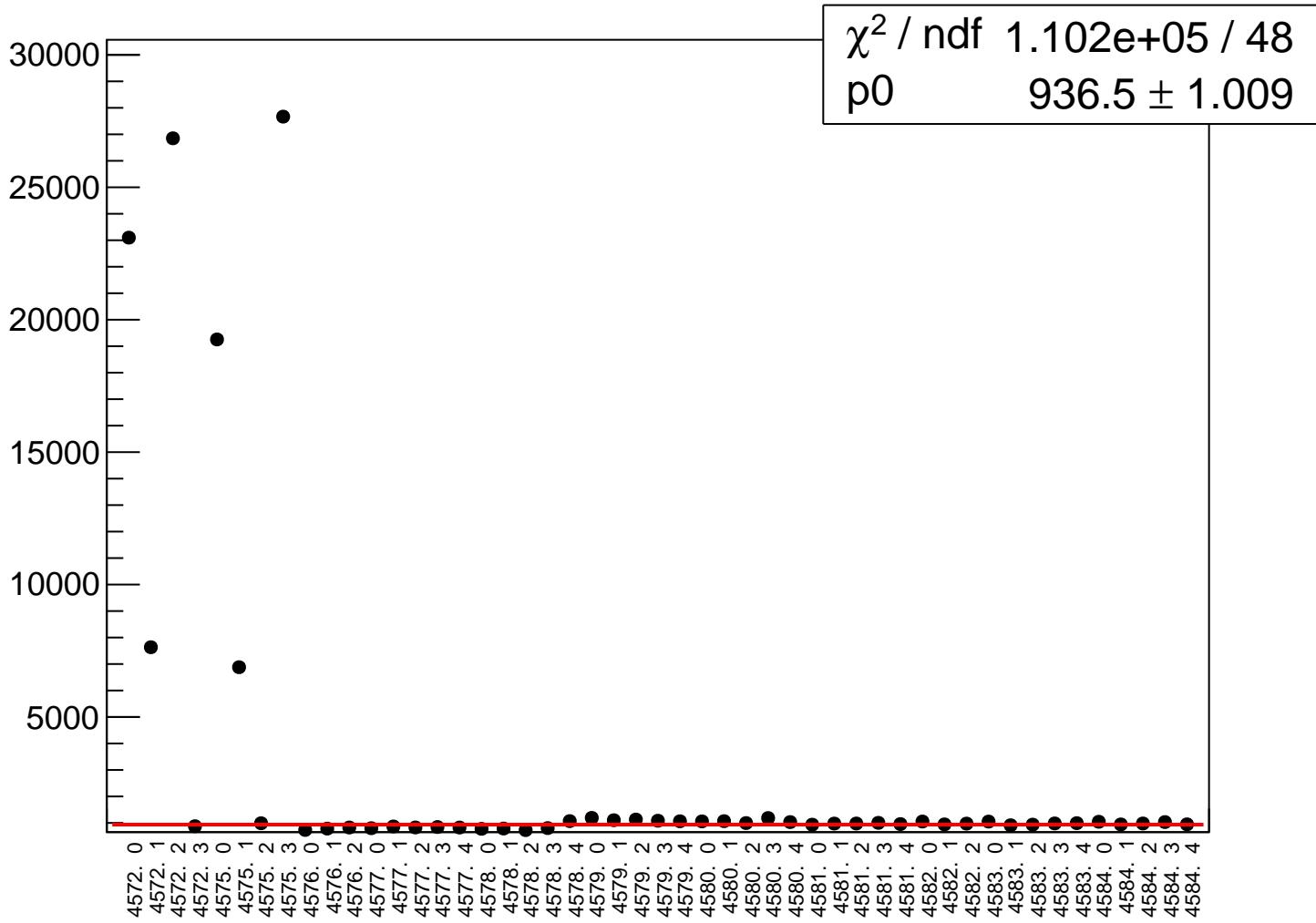
# diff\_cav4bX\_rms vs run



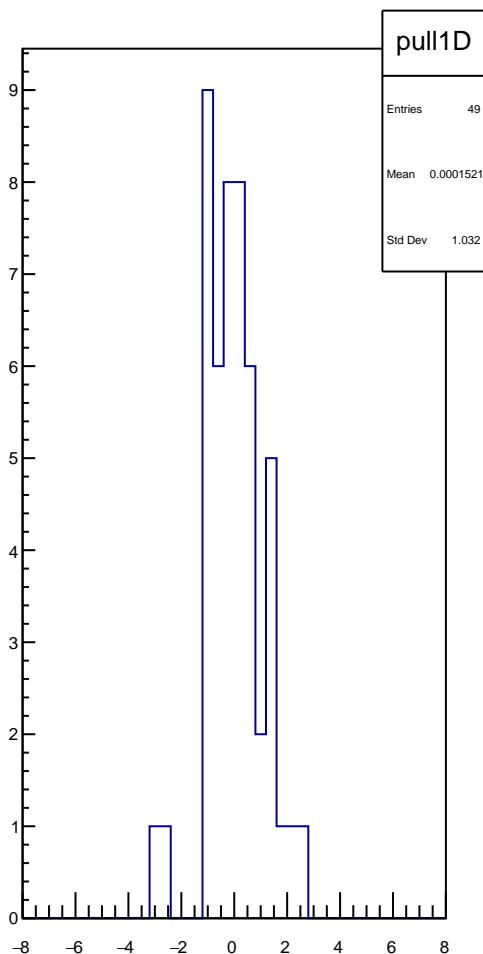
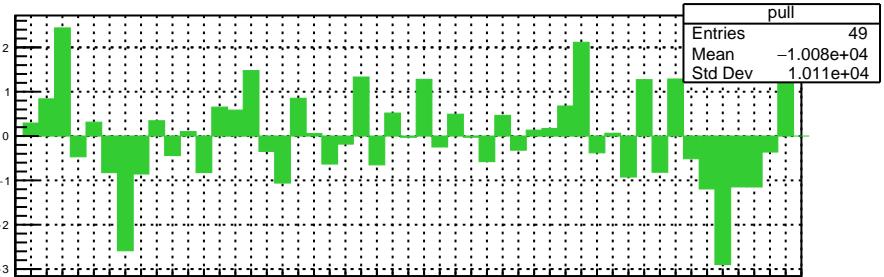
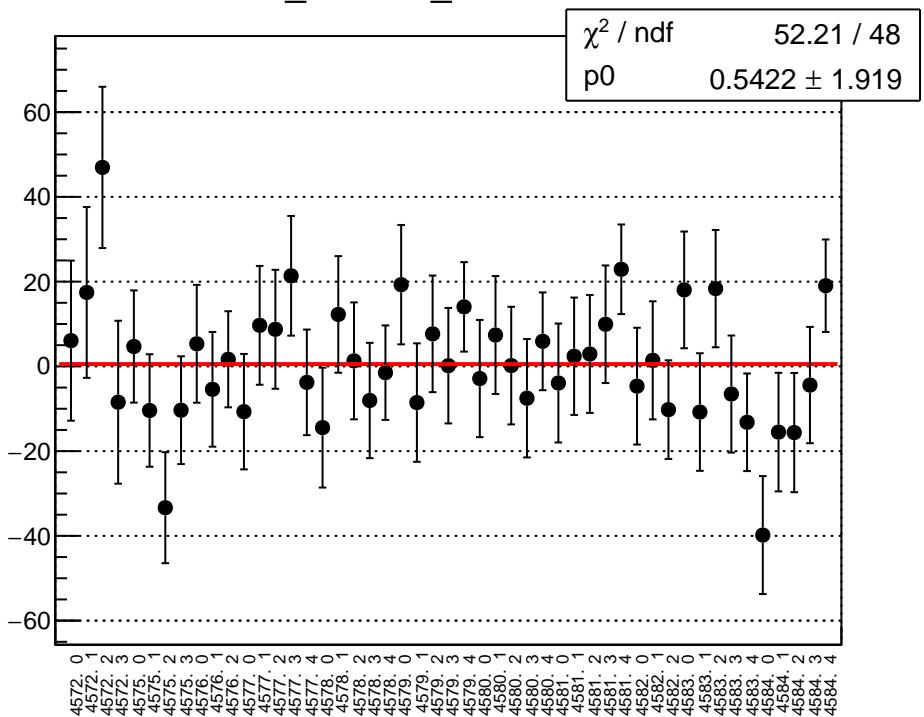
# diff\_cav4bY\_mean vs run



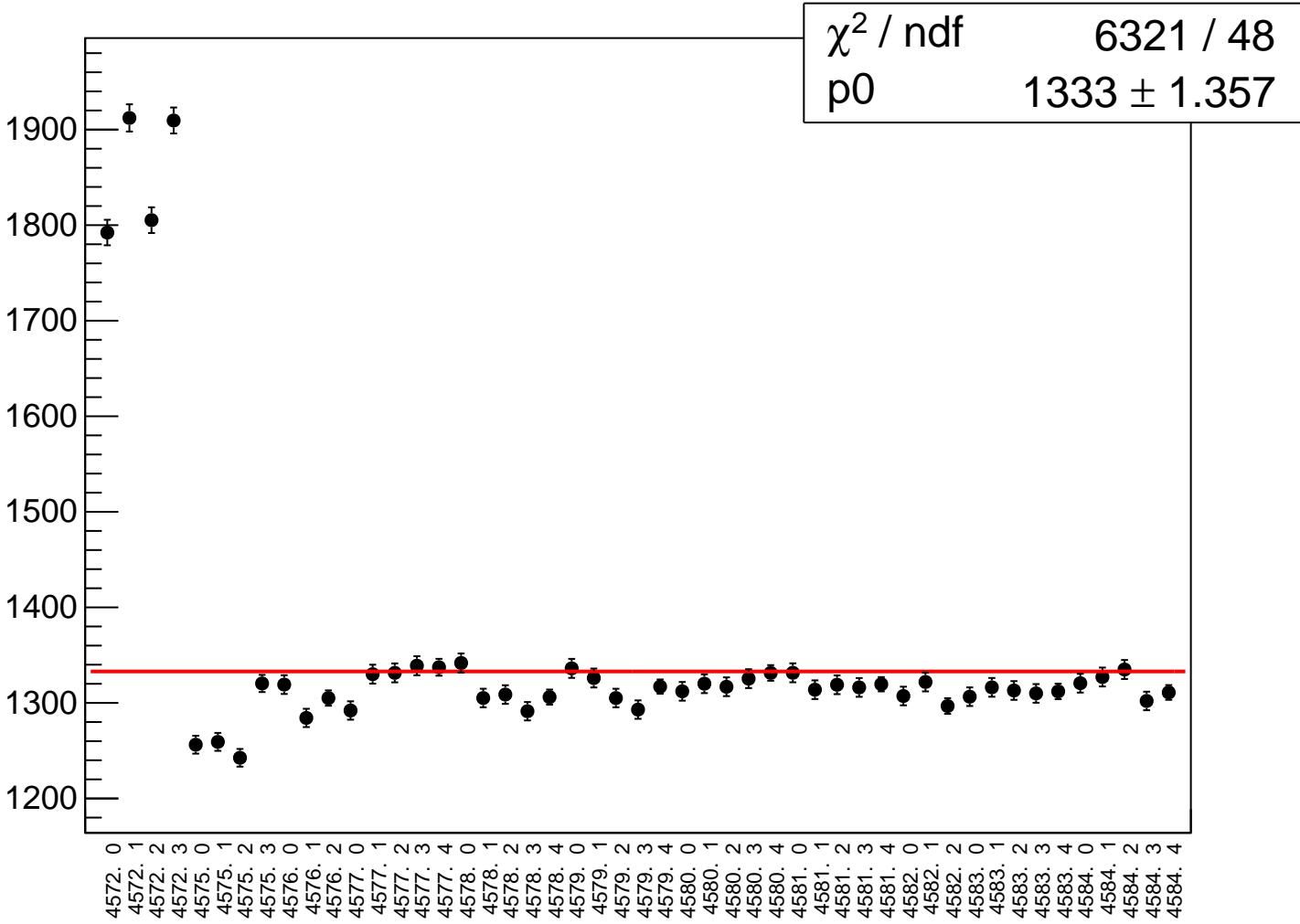
# diff\_cav4bY\_rms vs run



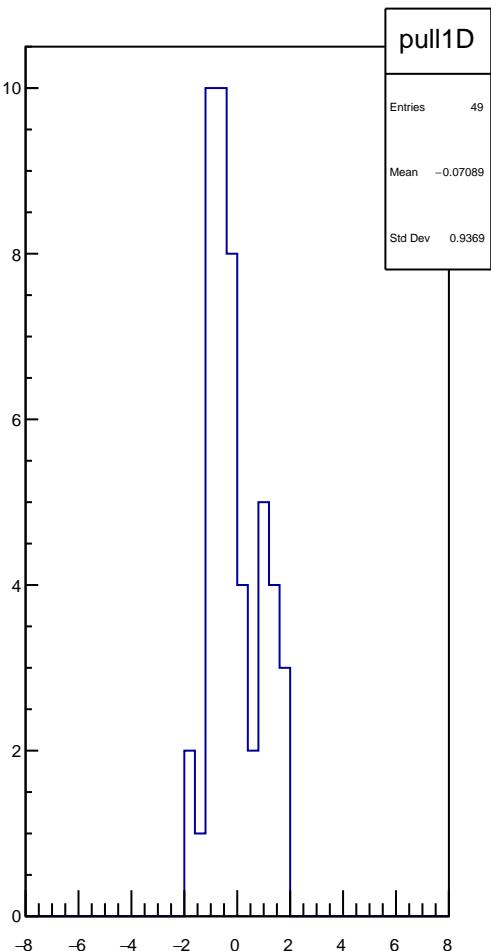
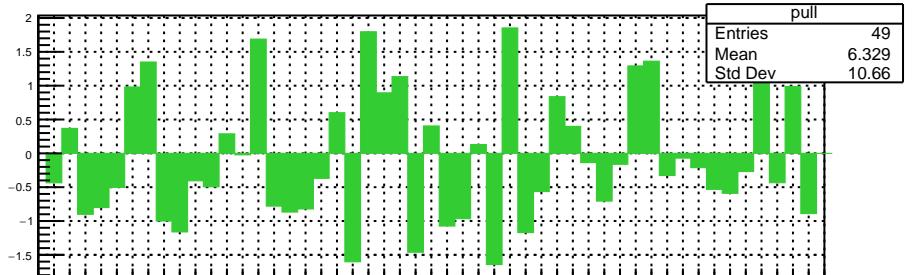
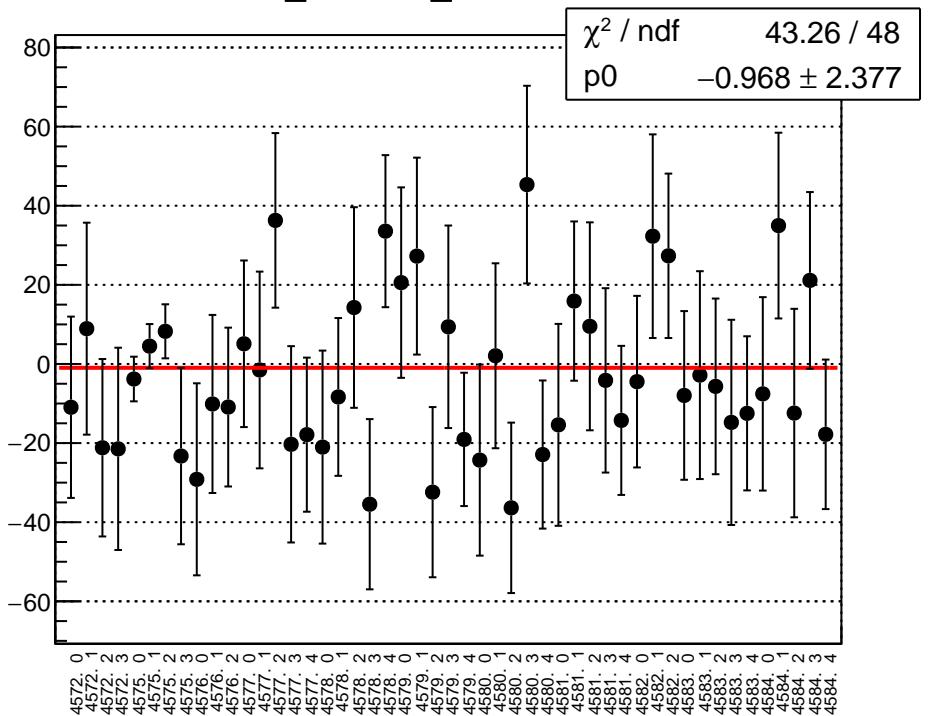
# diff\_cav4cX\_mean vs run



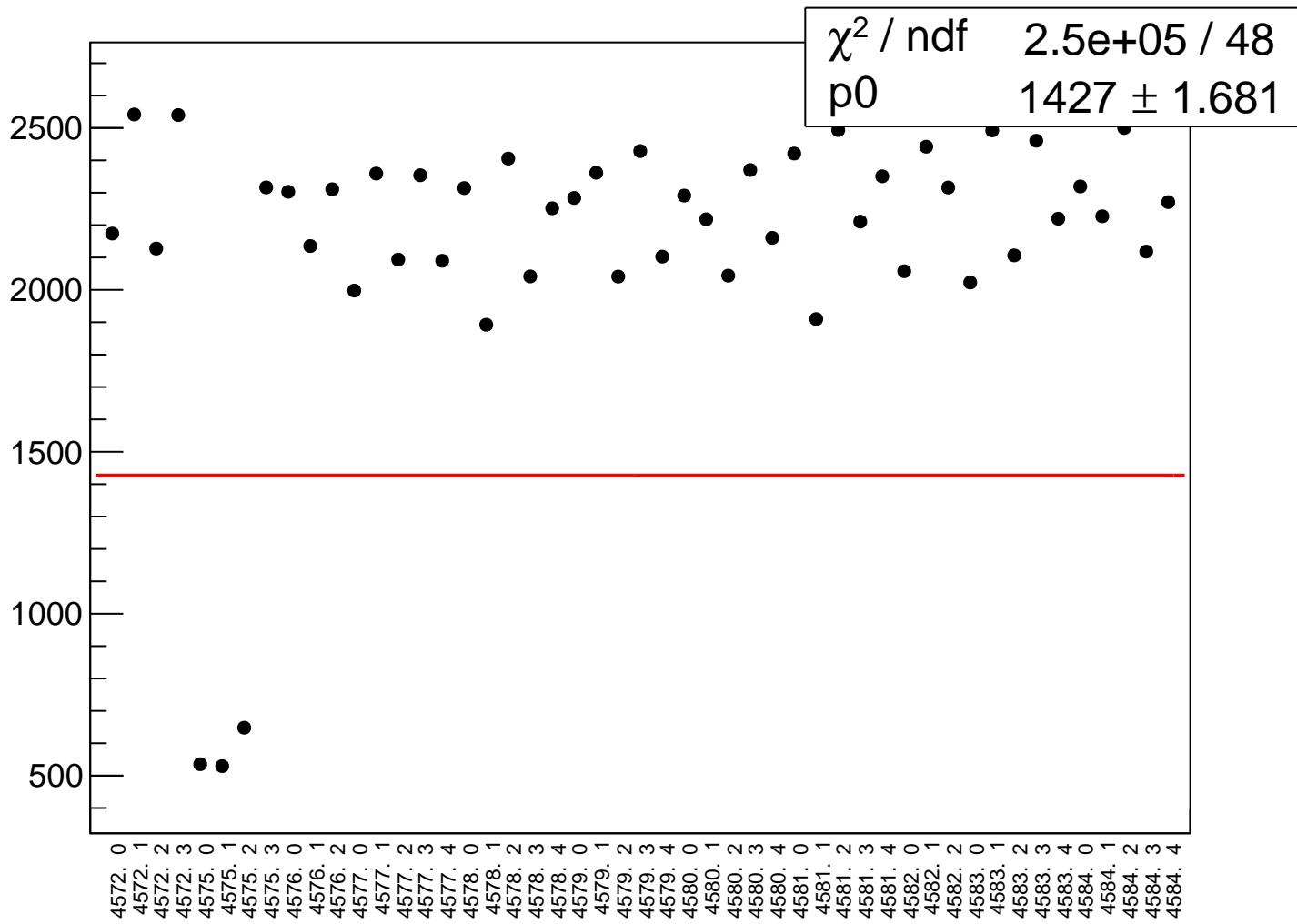
# diff\_cav4cX\_rms vs run



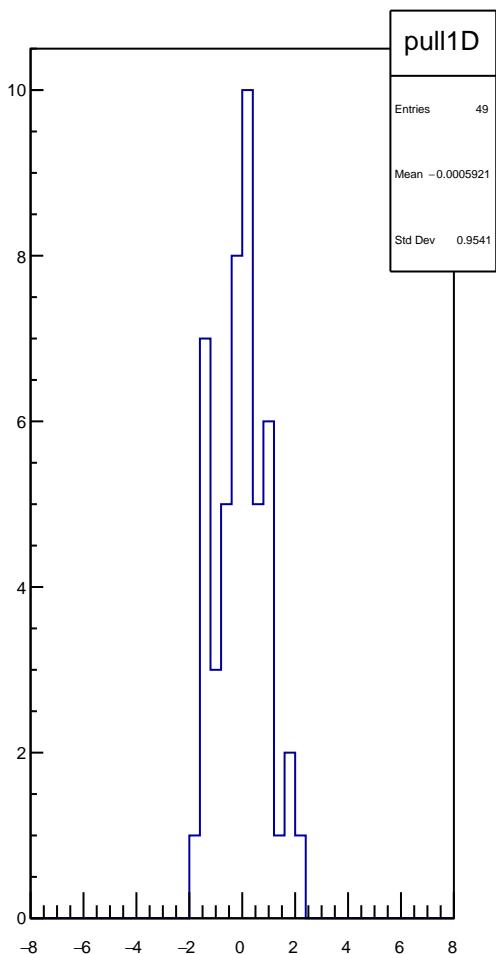
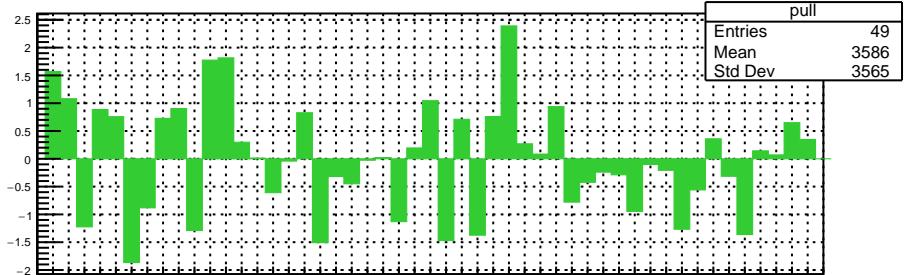
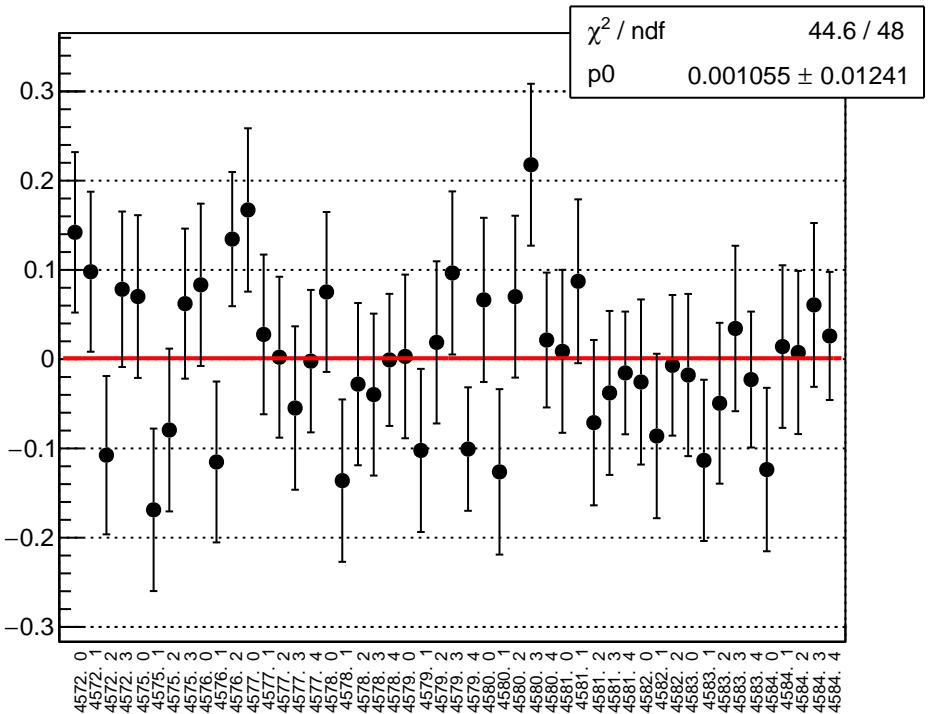
# diff\_cav4cY\_mean vs run



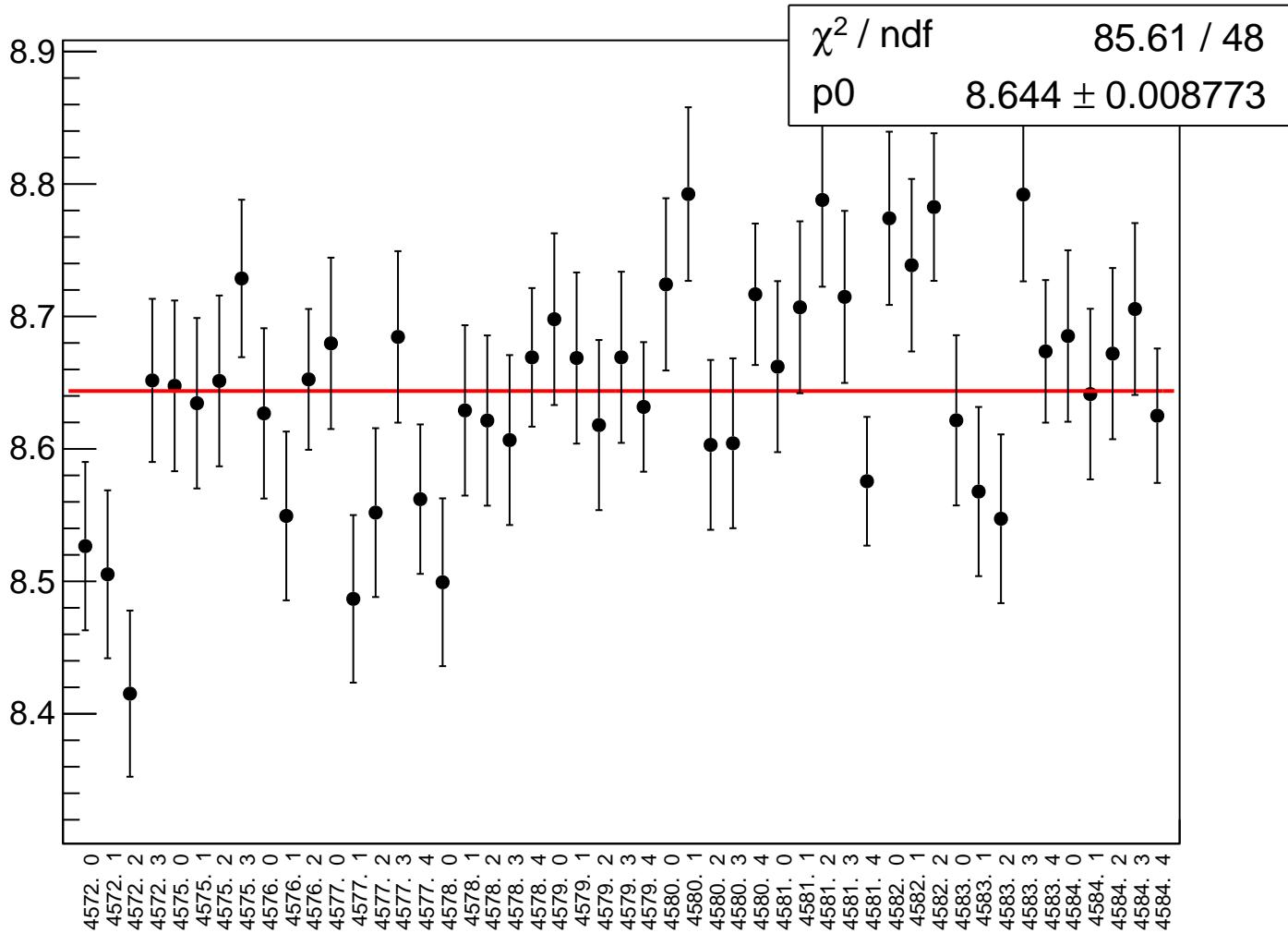
# diff\_cav4cY\_rms vs run

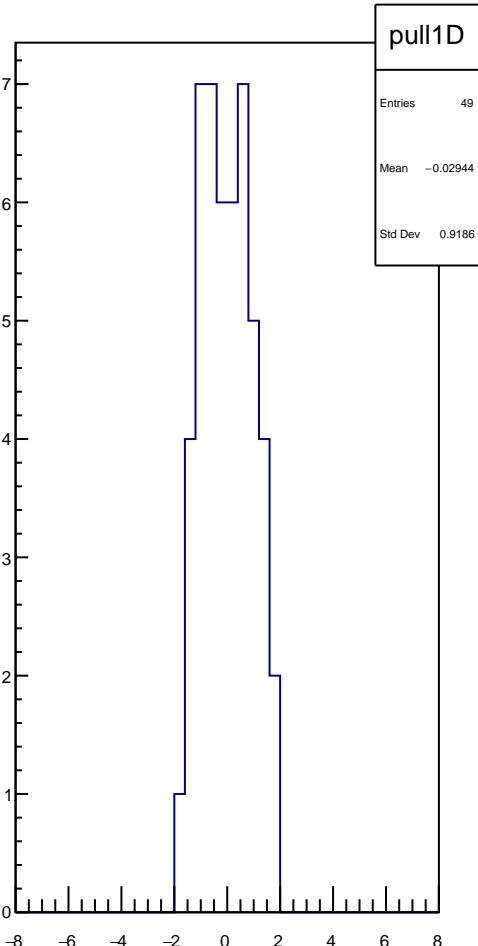
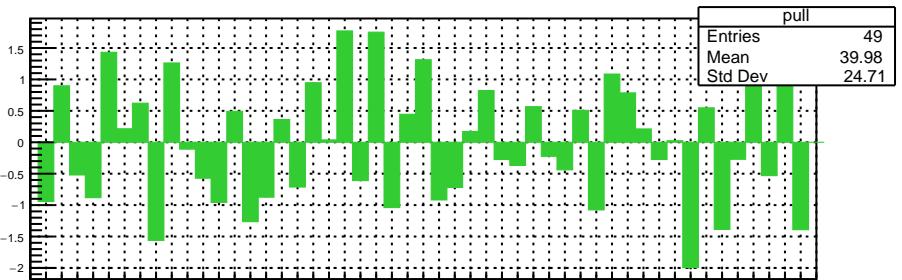
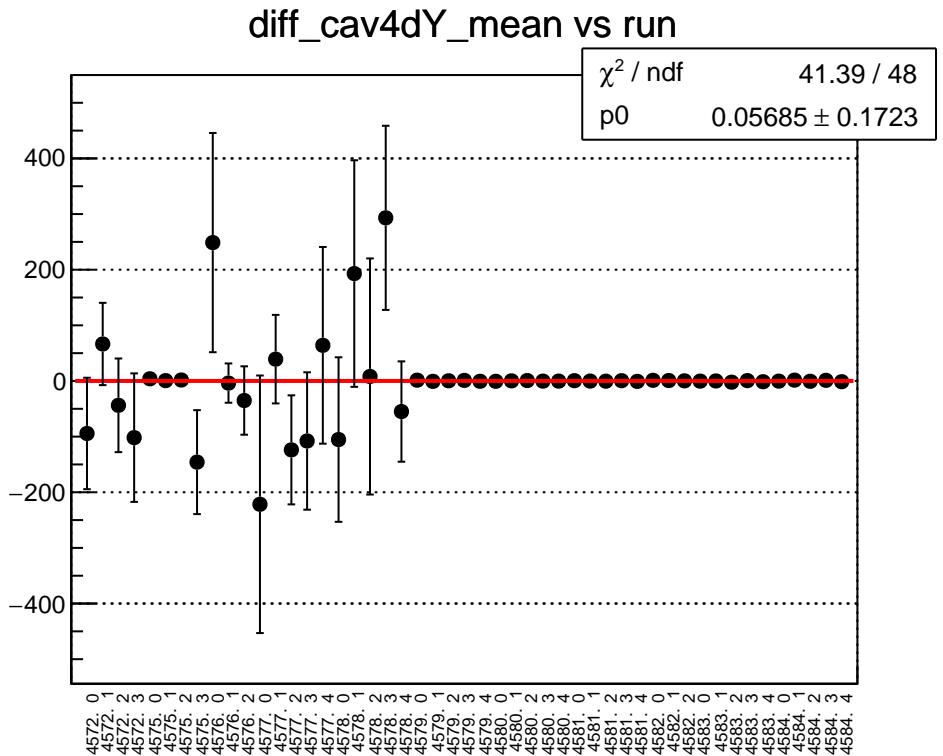


# diff\_cav4dX\_mean vs run

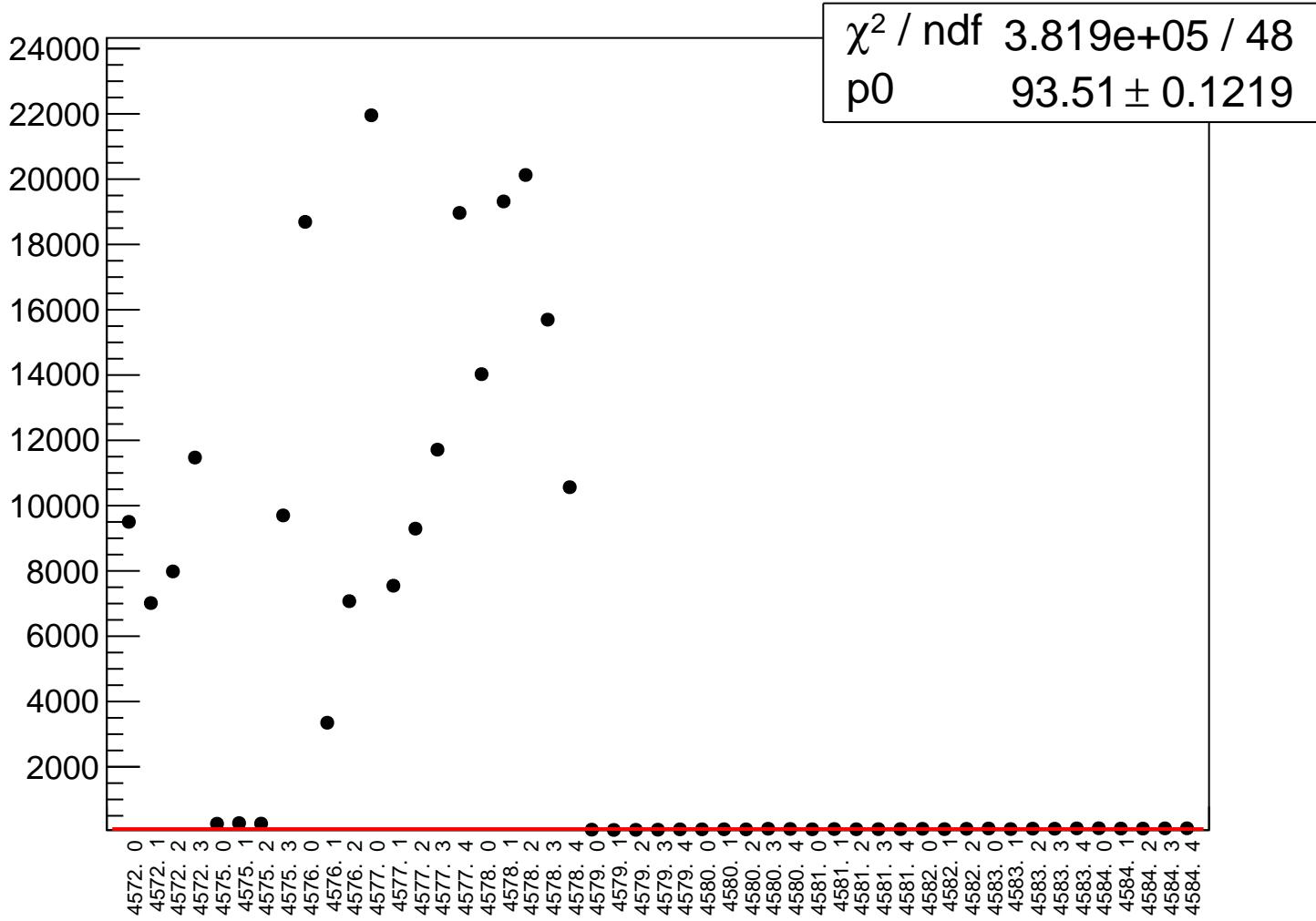


# diff\_cav4dX\_rms vs run

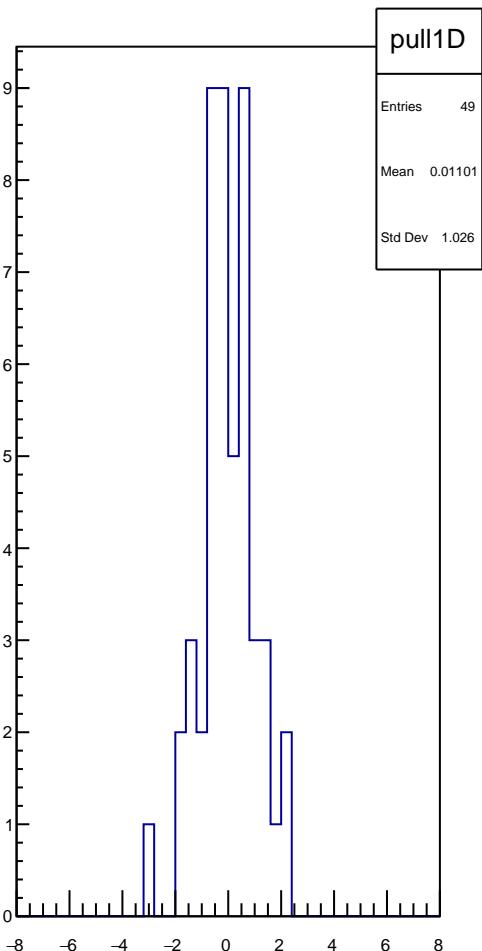
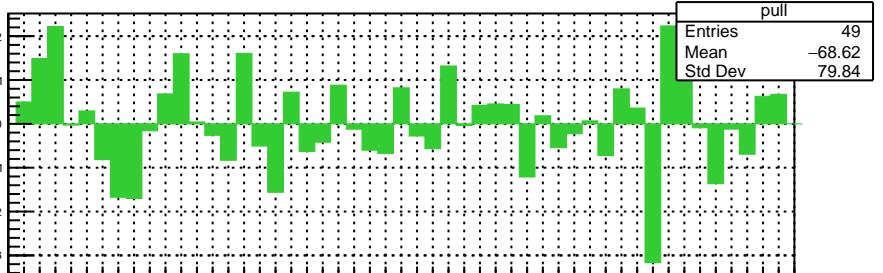
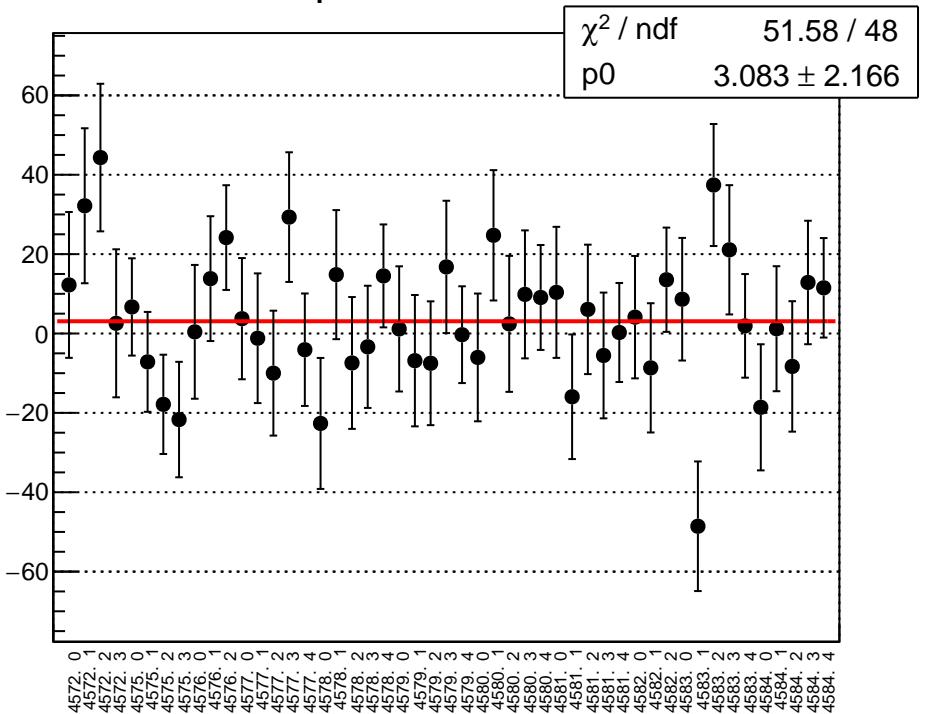




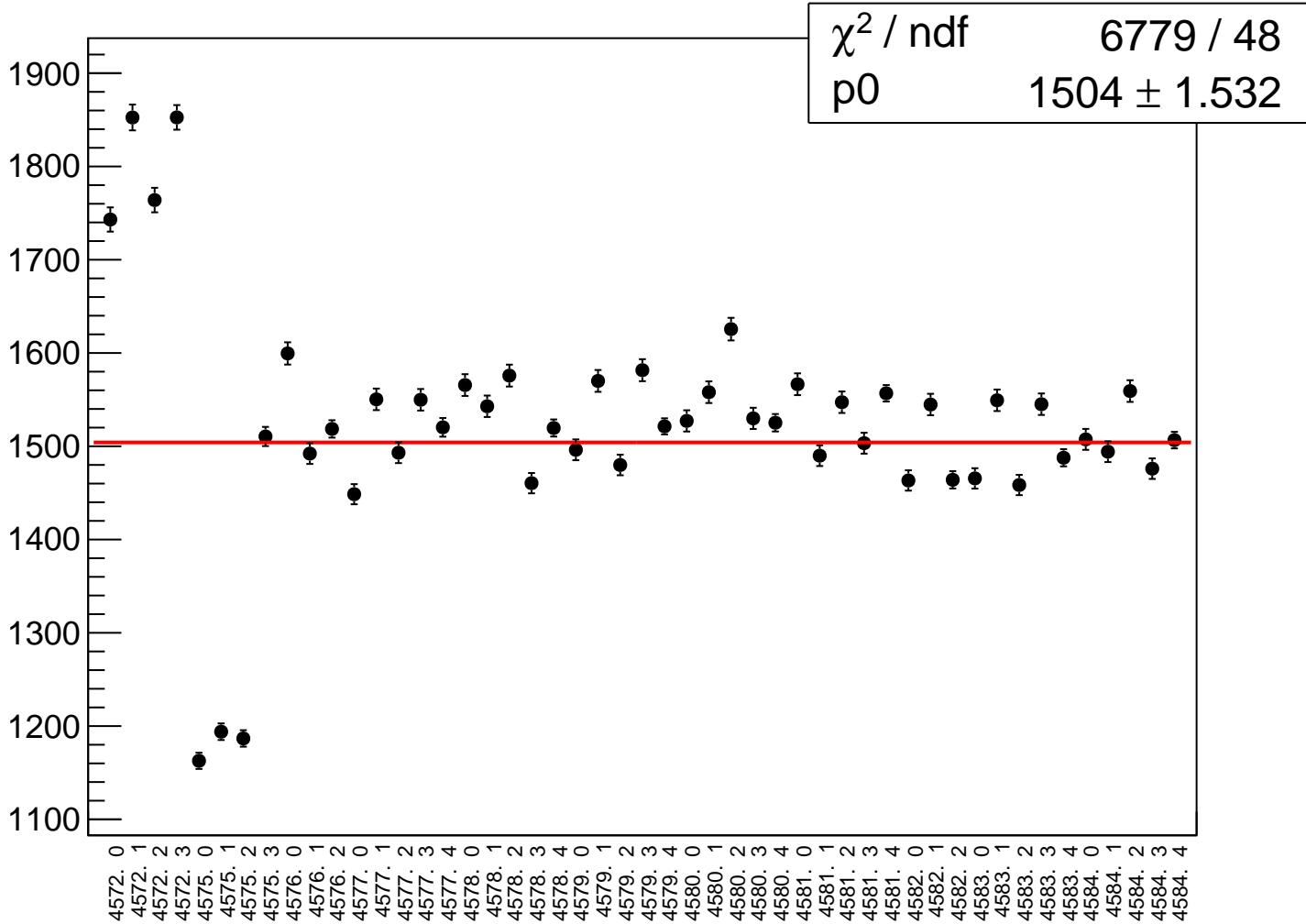
# diff\_cav4dY\_rms vs run



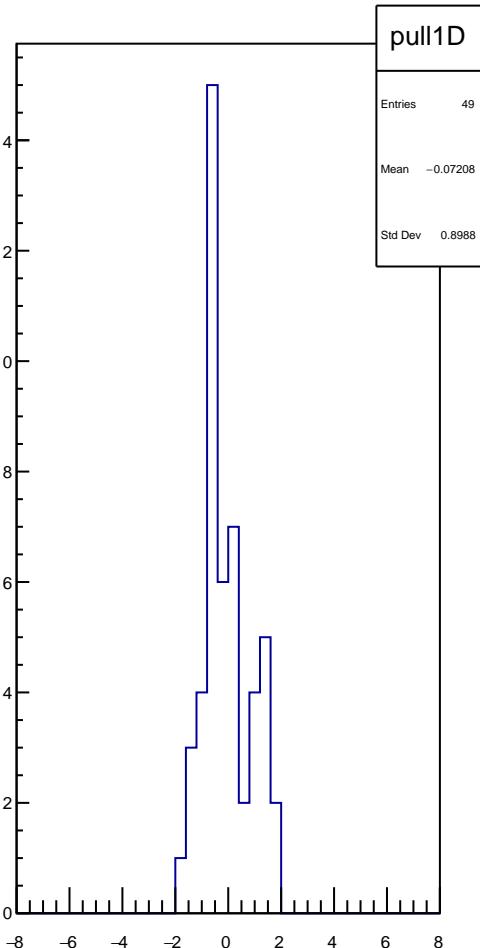
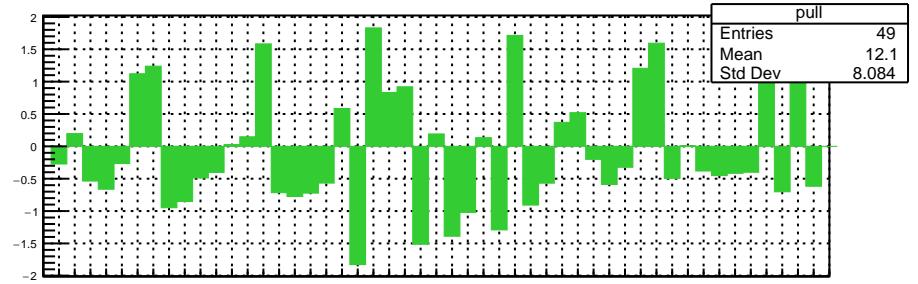
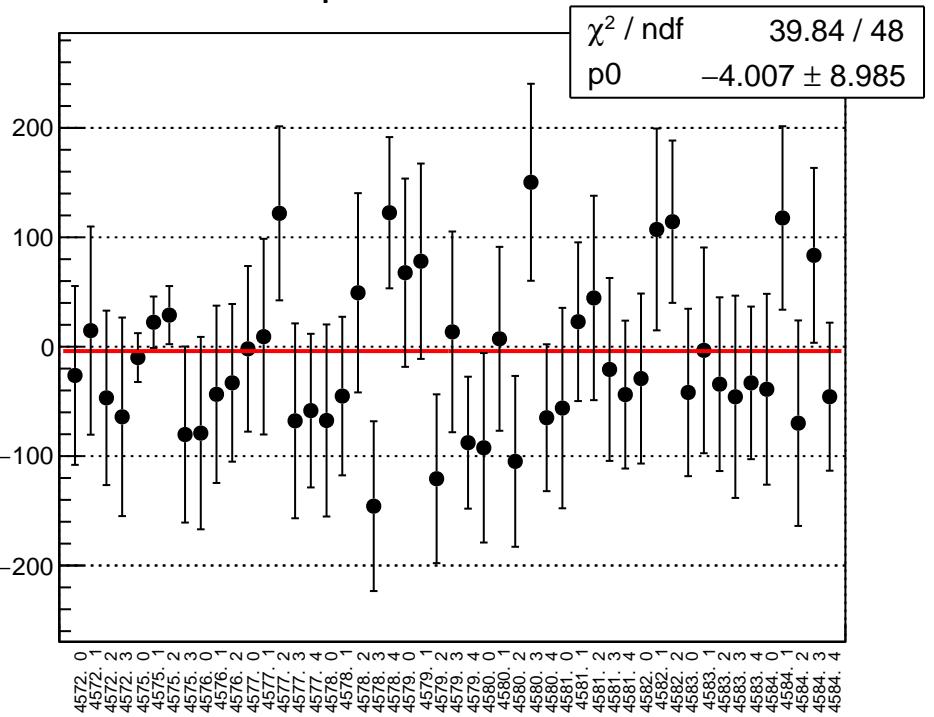
# diff\_bpm4aX\_mean vs run



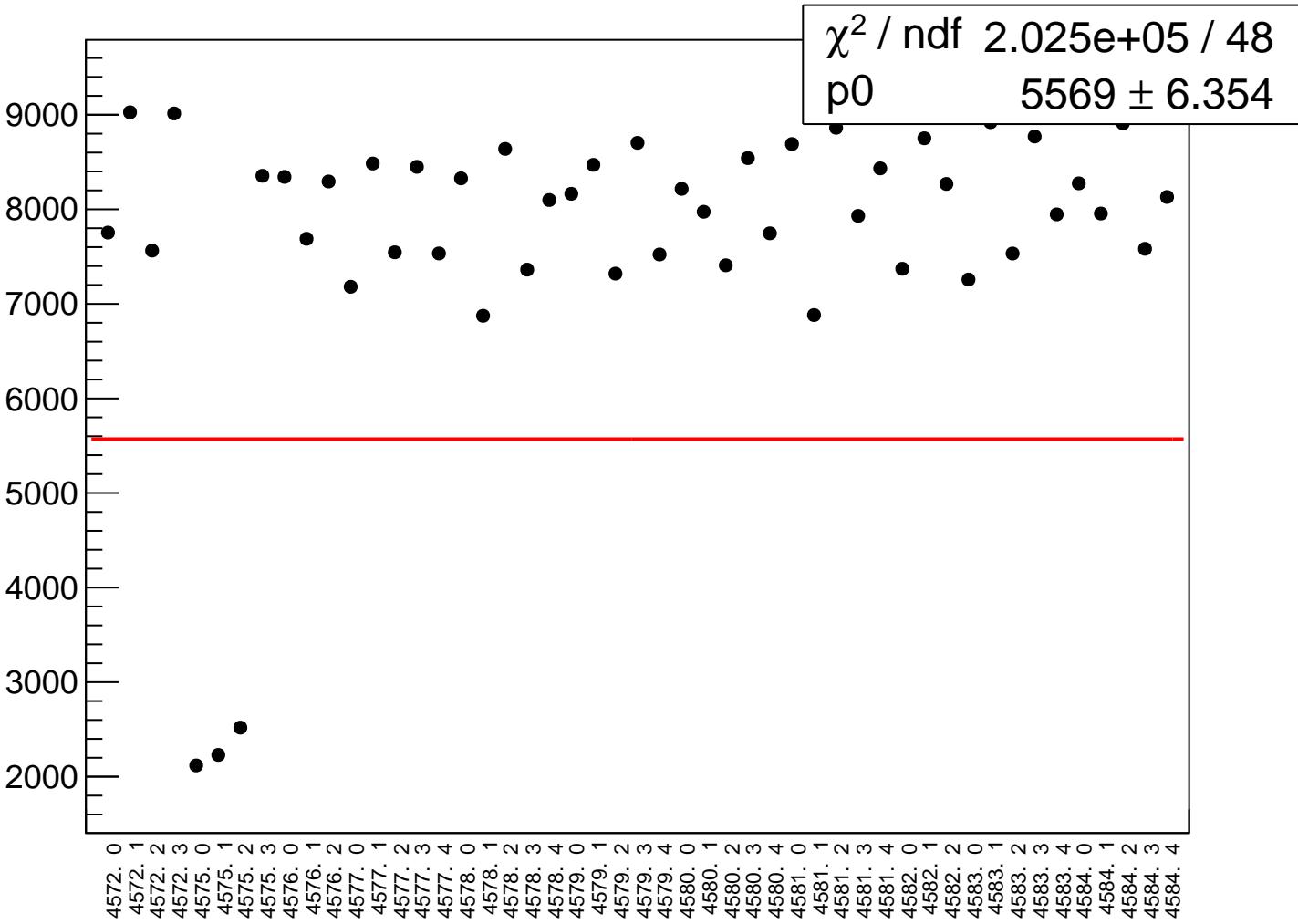
# diff\_bpm4aX\_rms vs run



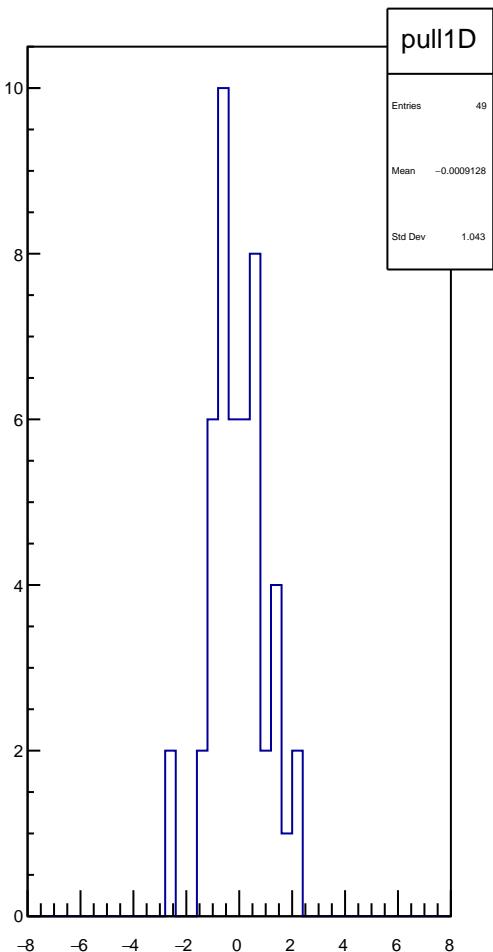
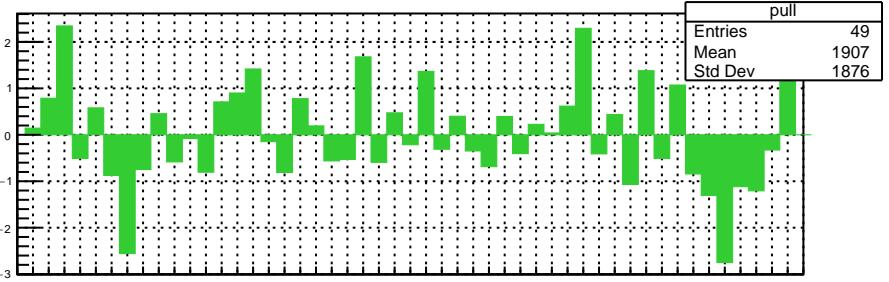
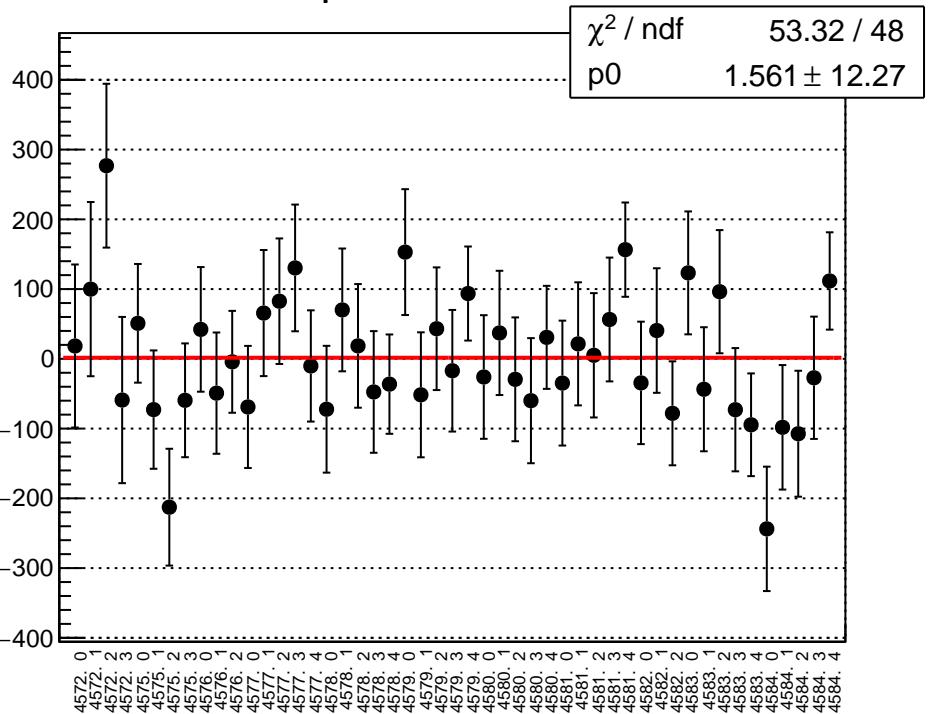
# diff\_bpm4aY\_mean vs run



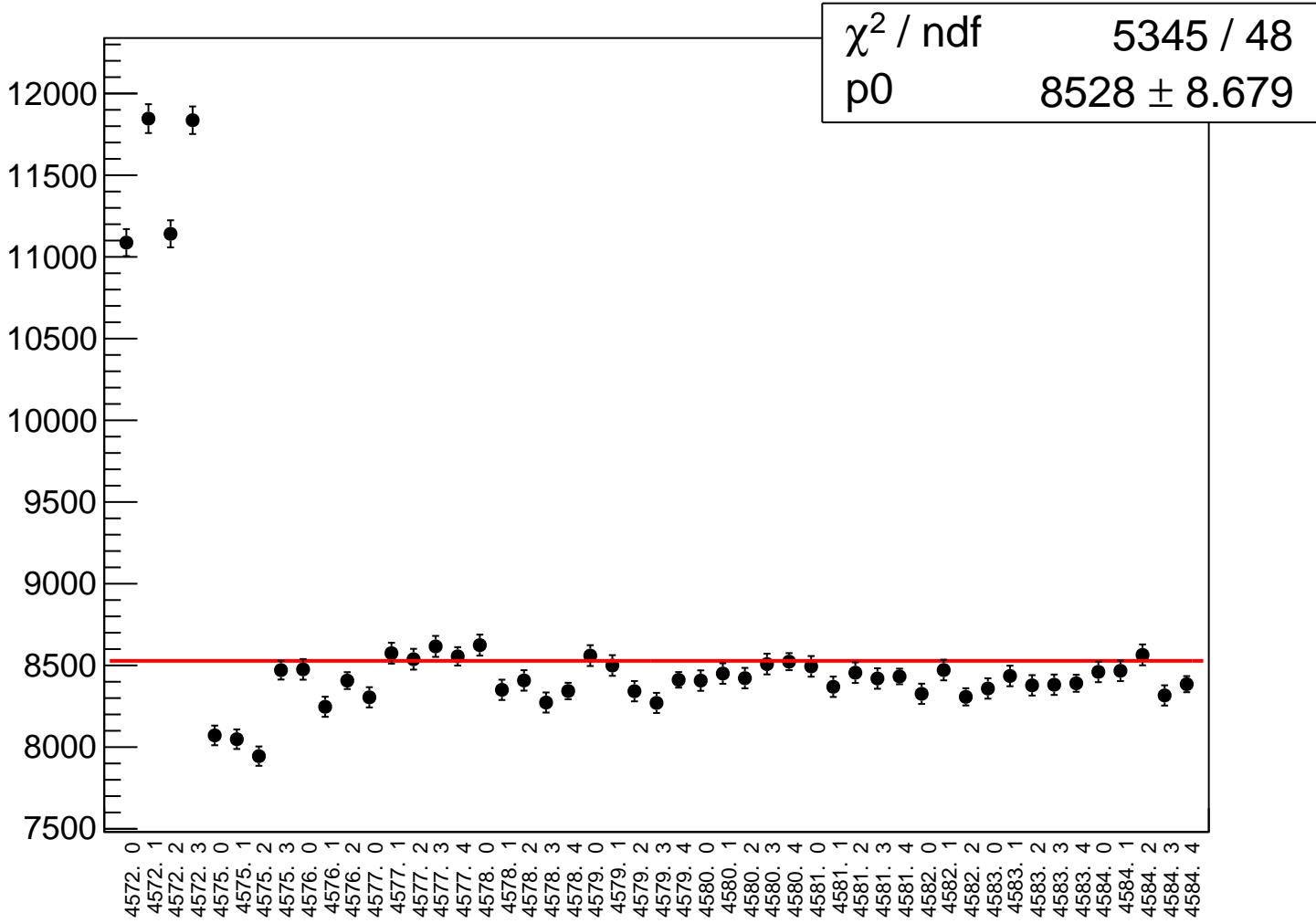
# diff\_bpm4aY\_rms vs run



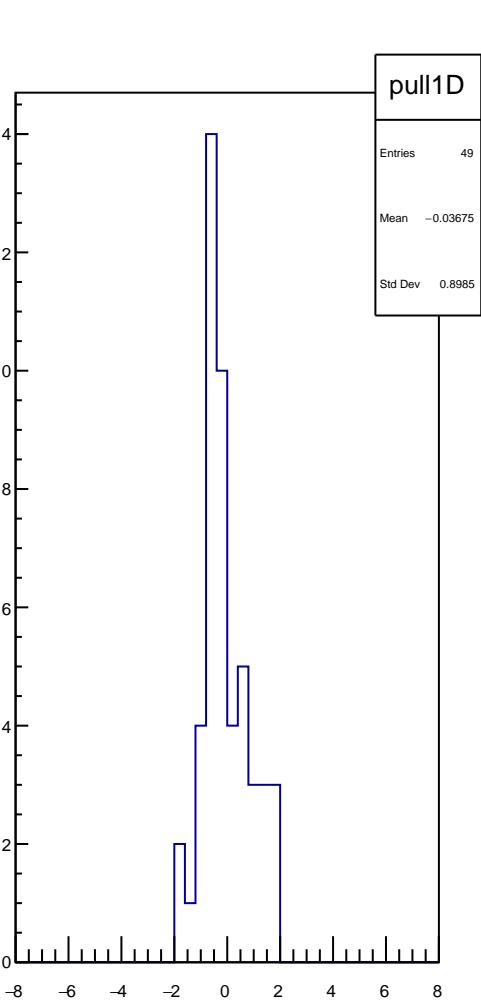
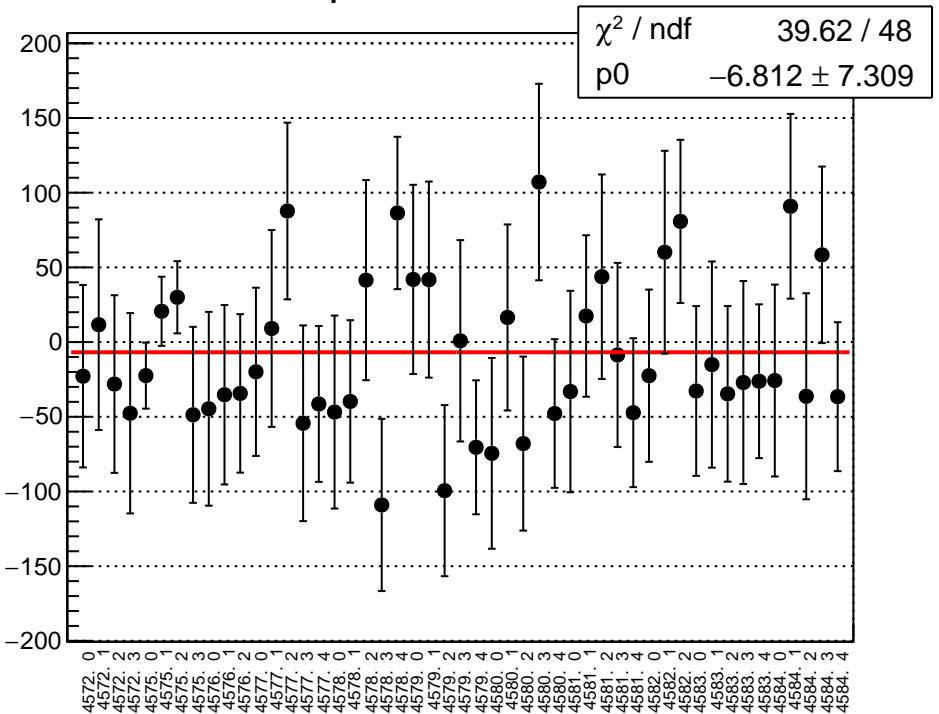
# diff\_bpm4eX\_mean vs run



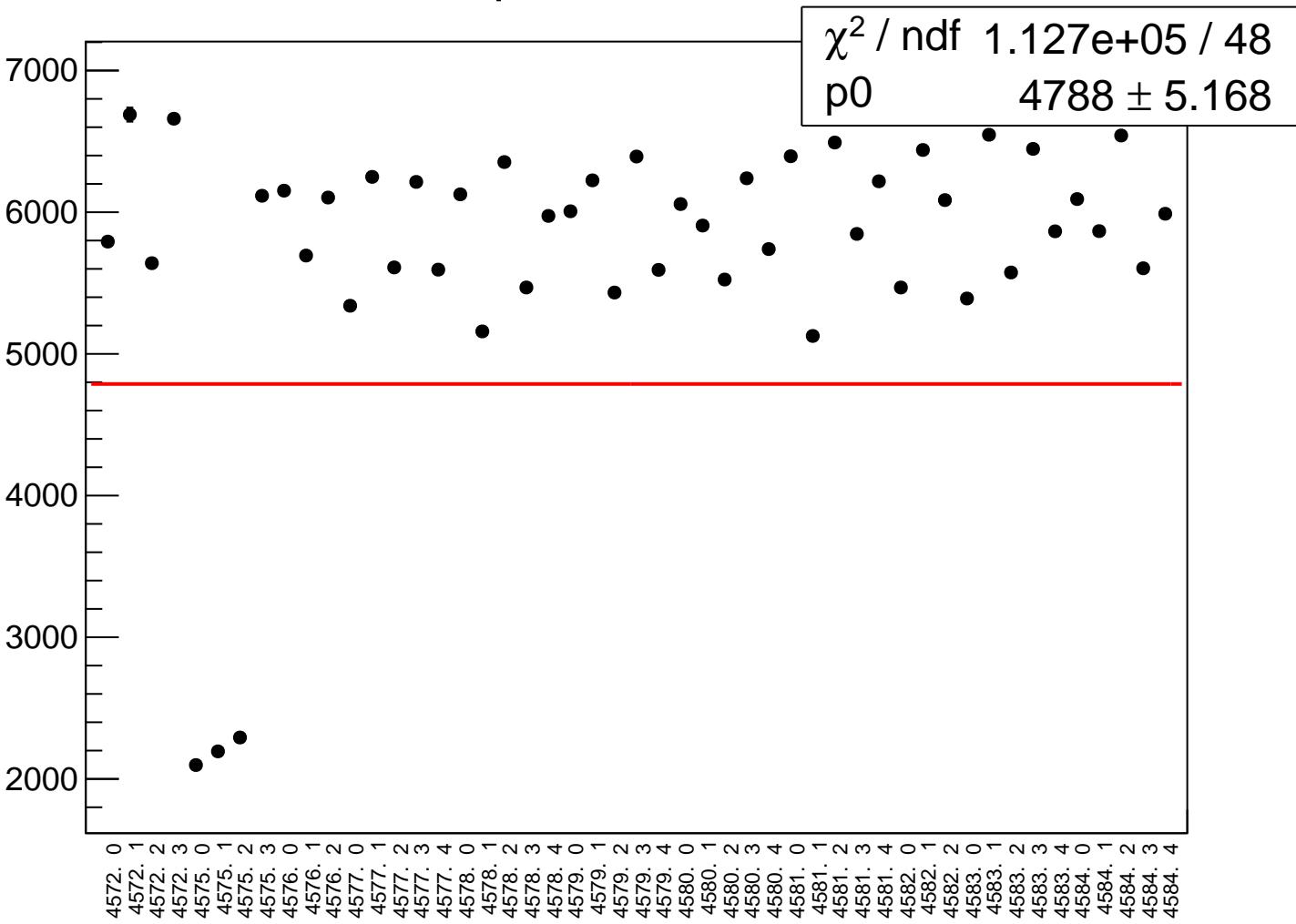
# diff\_bpm4eX\_rms vs run



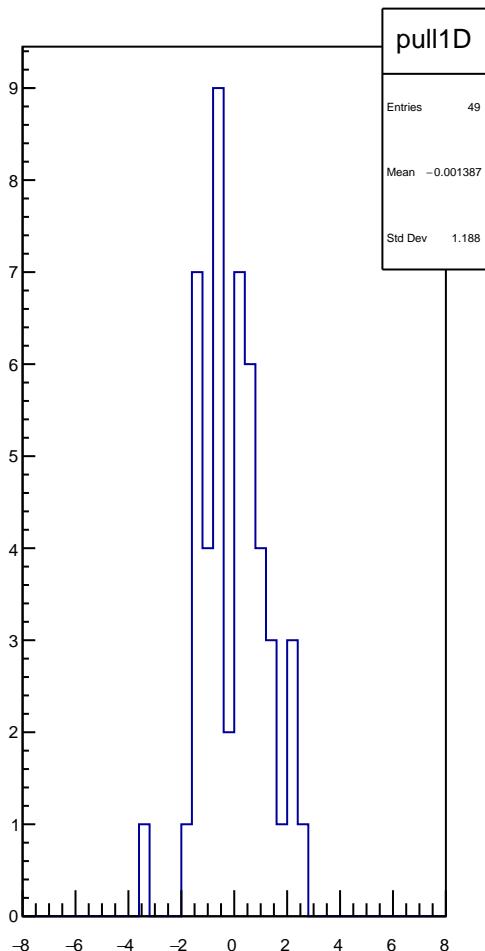
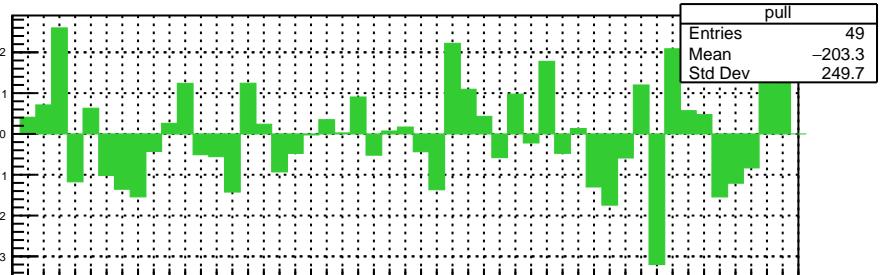
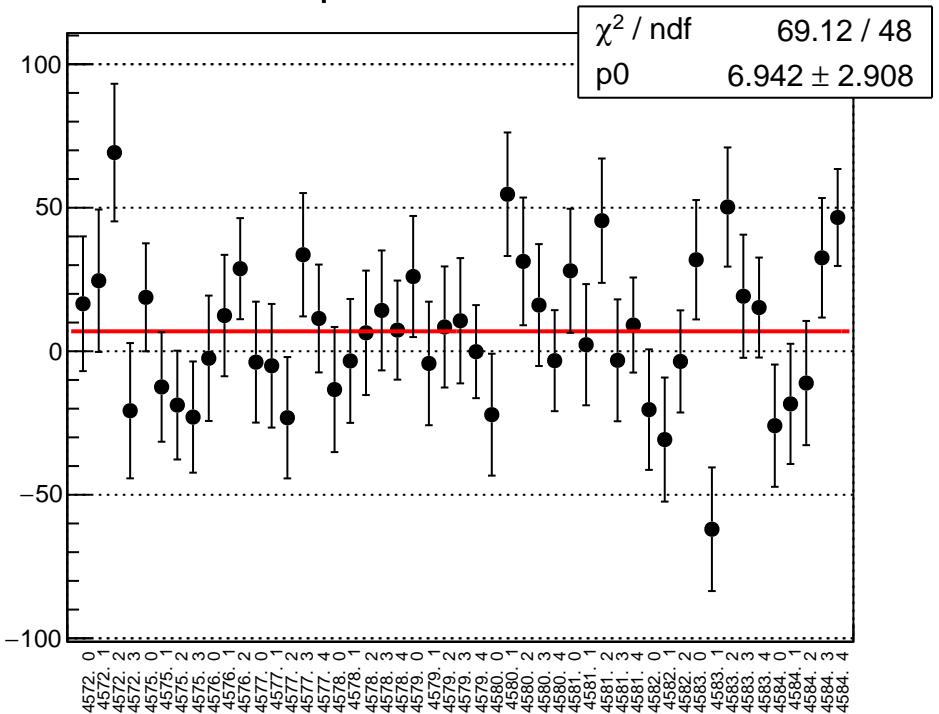
# diff\_bpm4eY\_mean vs run



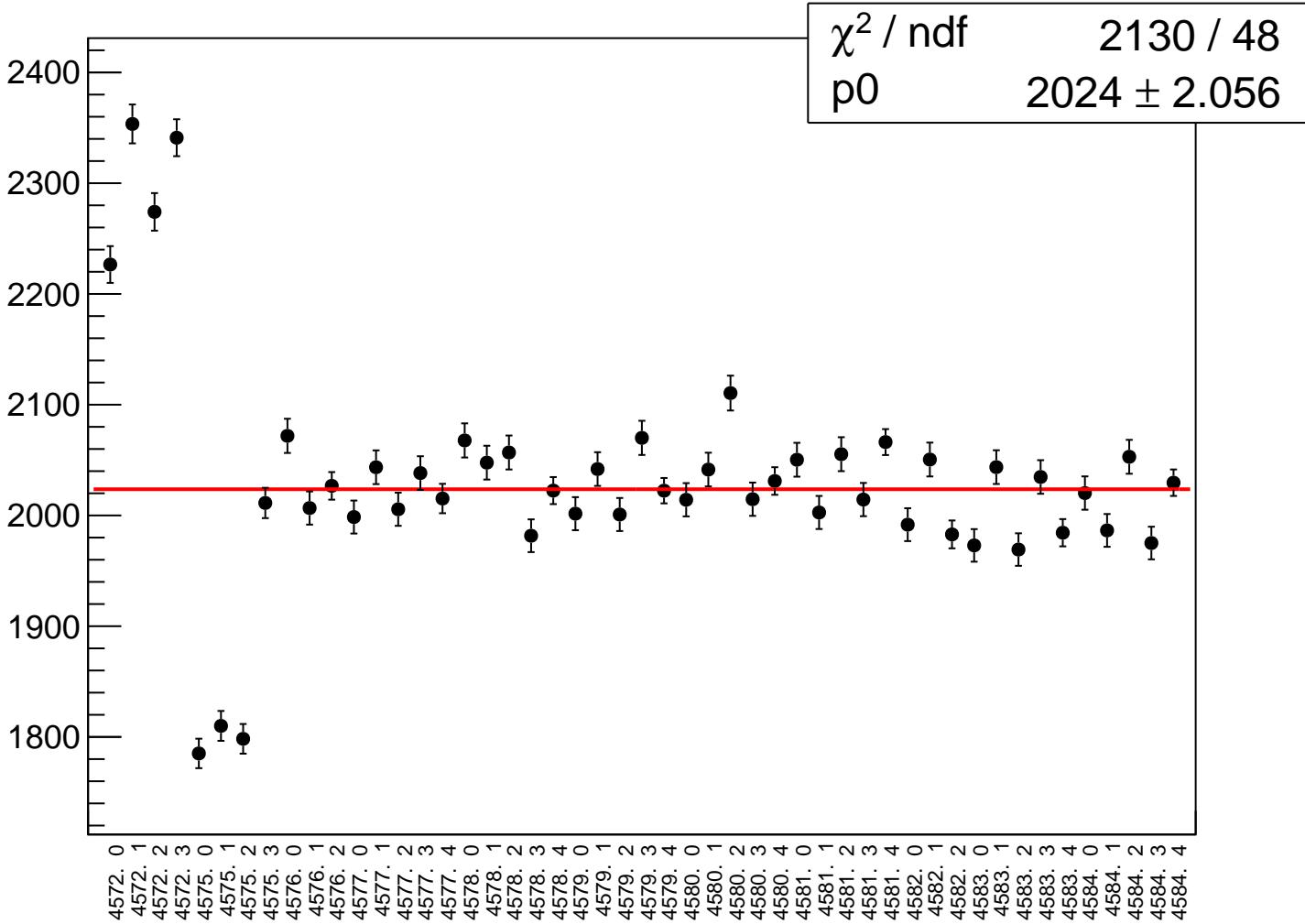
# diff\_bpm4eY\_rms vs run



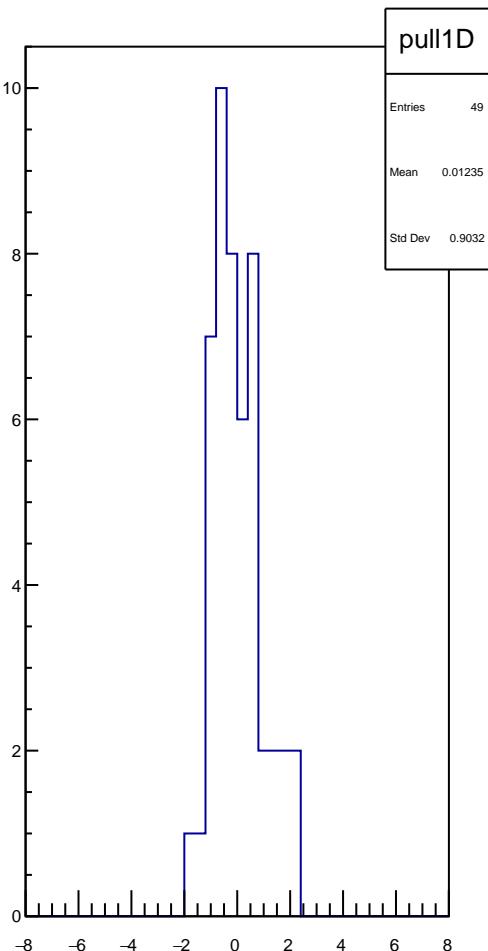
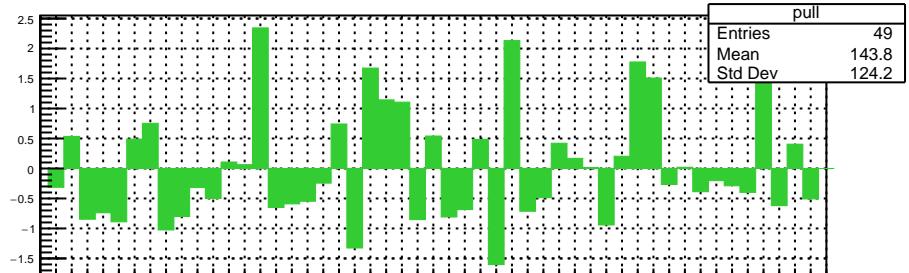
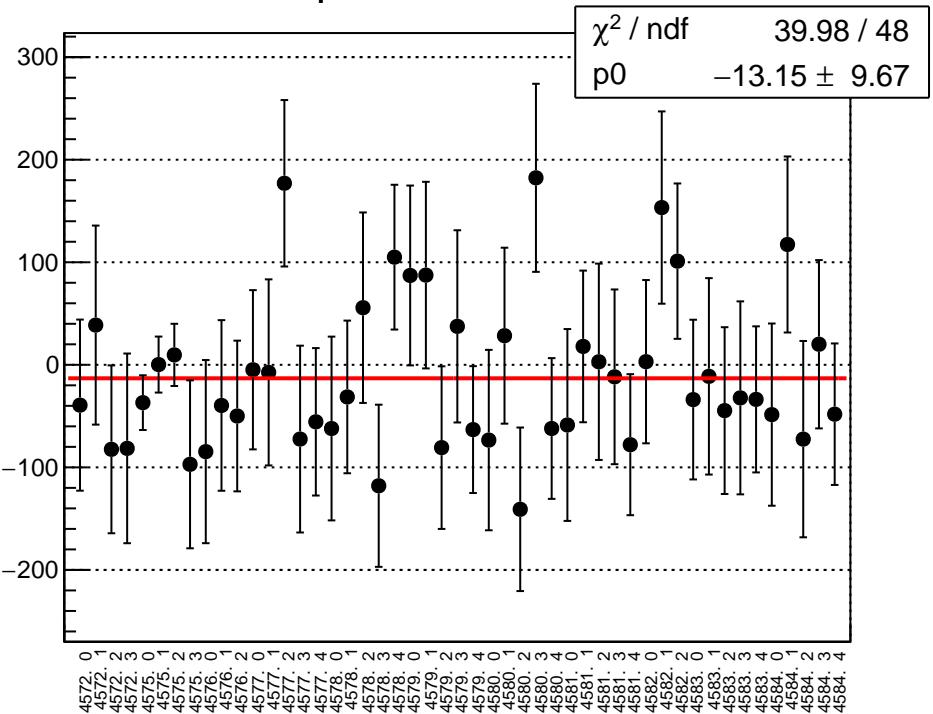
# diff\_bpm4acX\_mean vs run



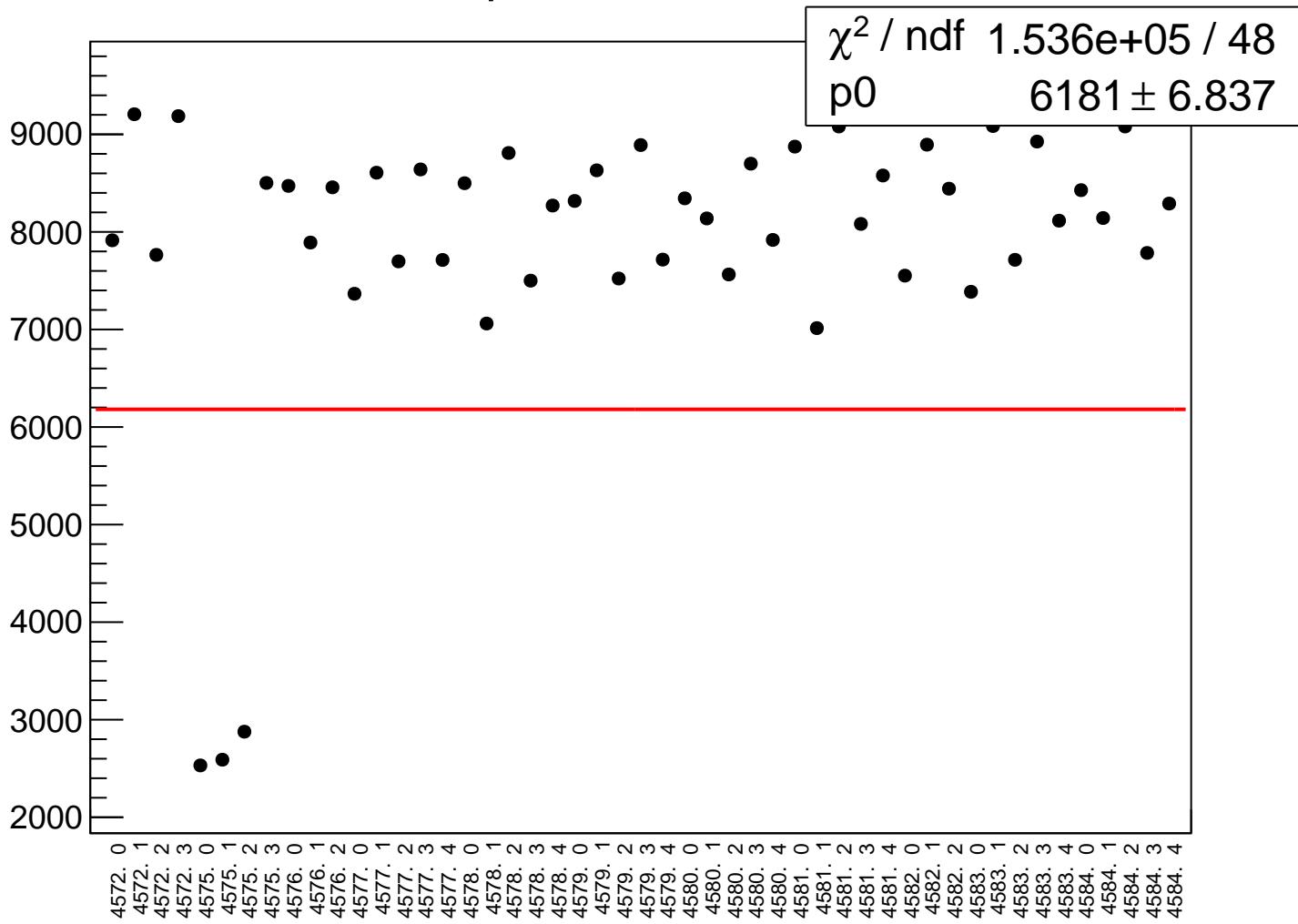
# diff\_bpm4acX\_rms vs run



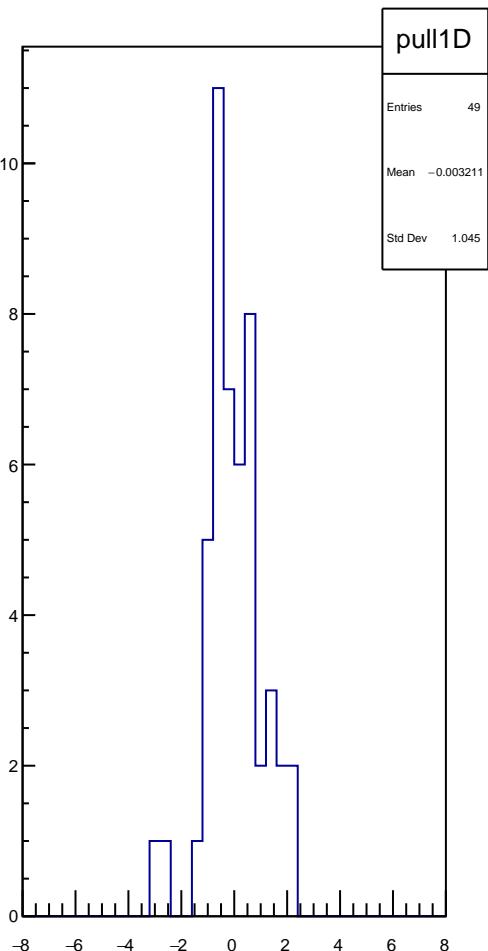
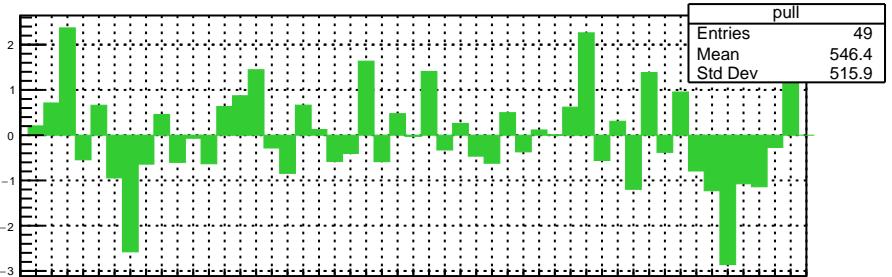
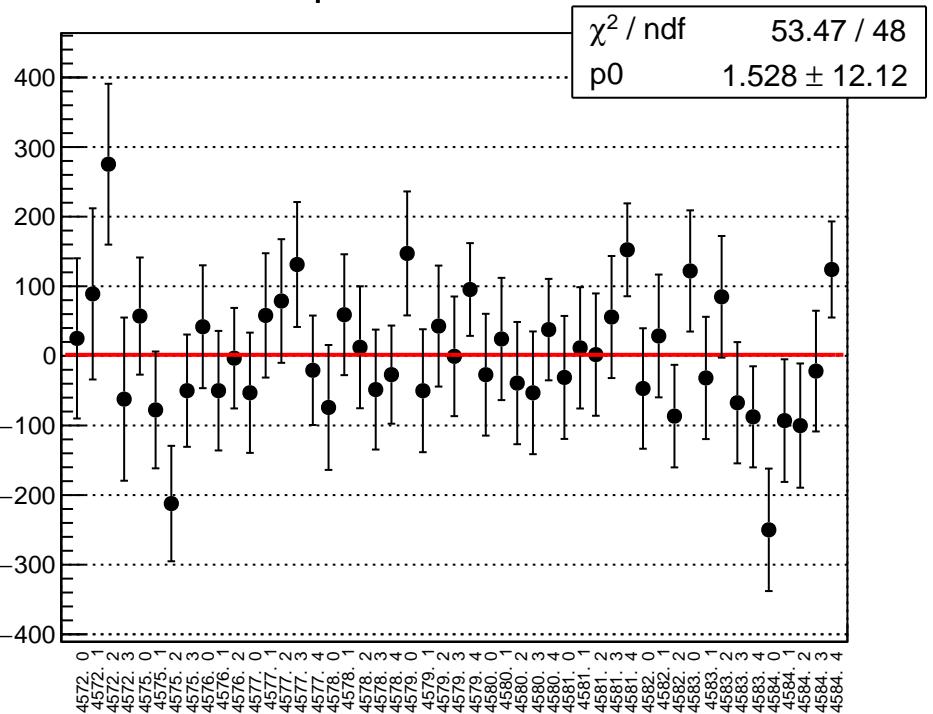
# diff\_bpm4acY\_mean vs run



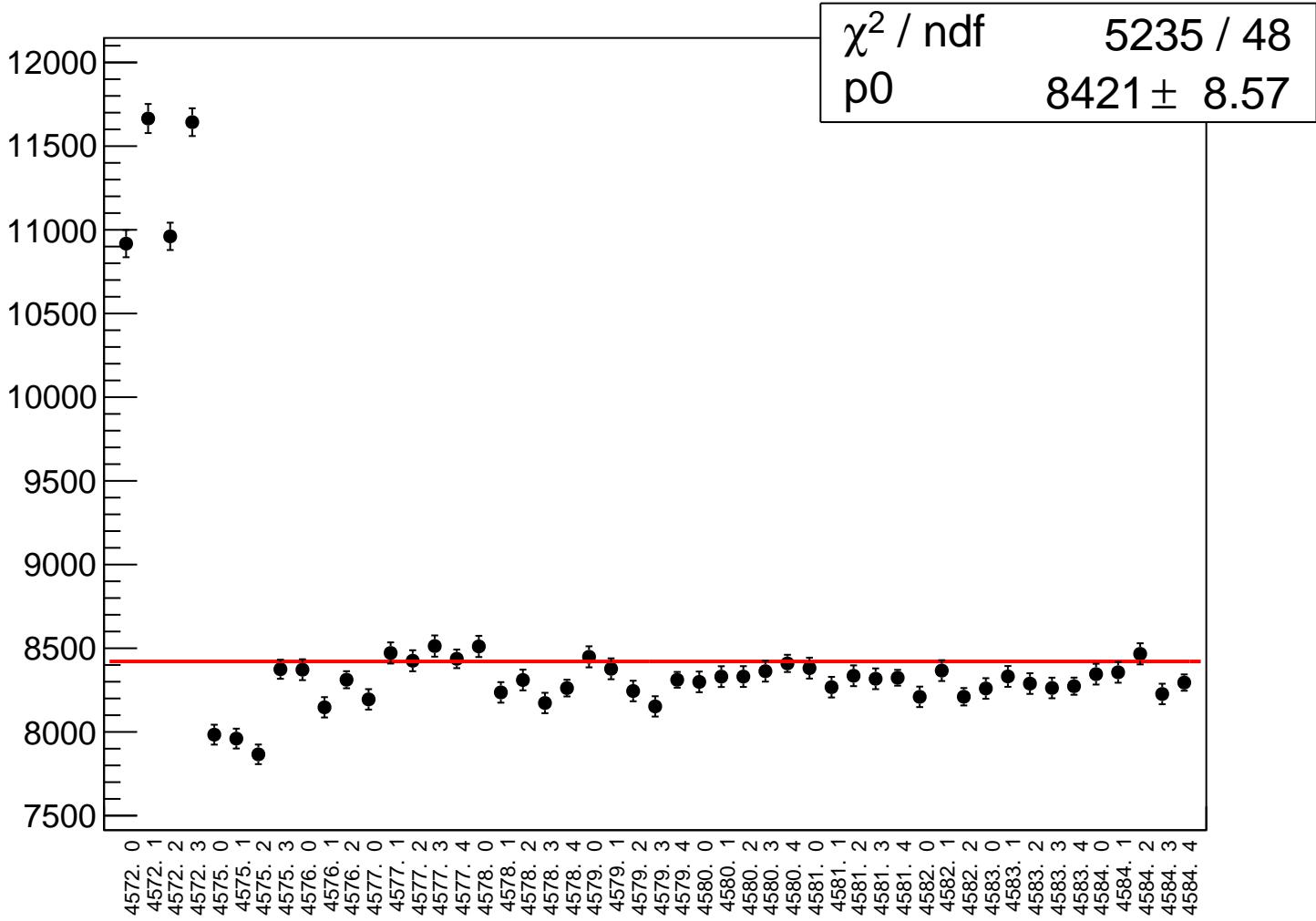
# diff\_bpm4acY\_rms vs run



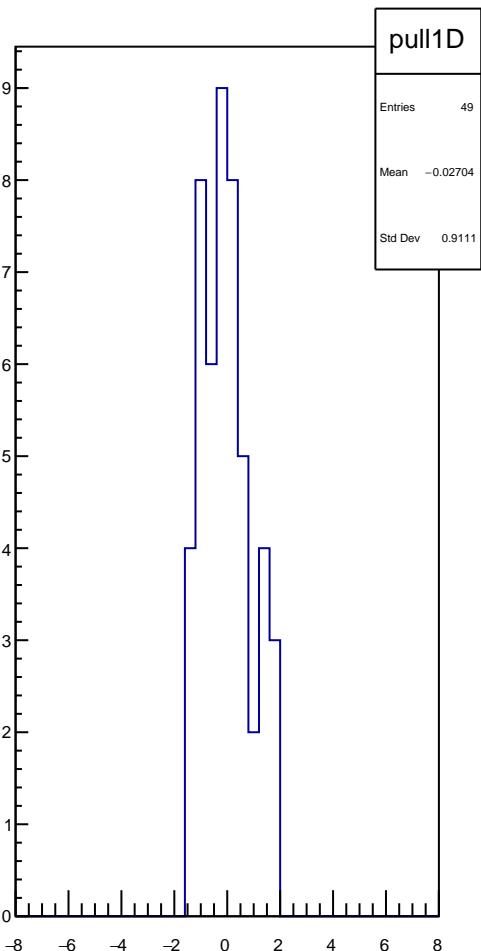
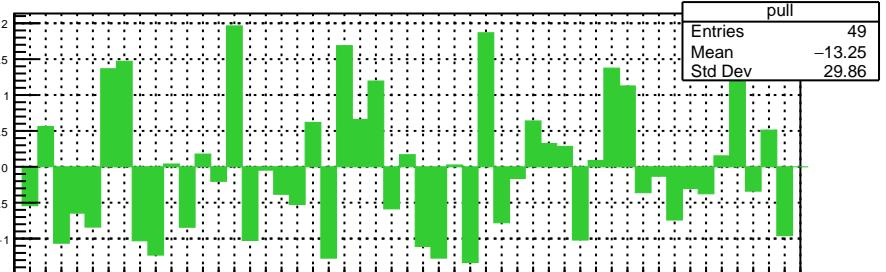
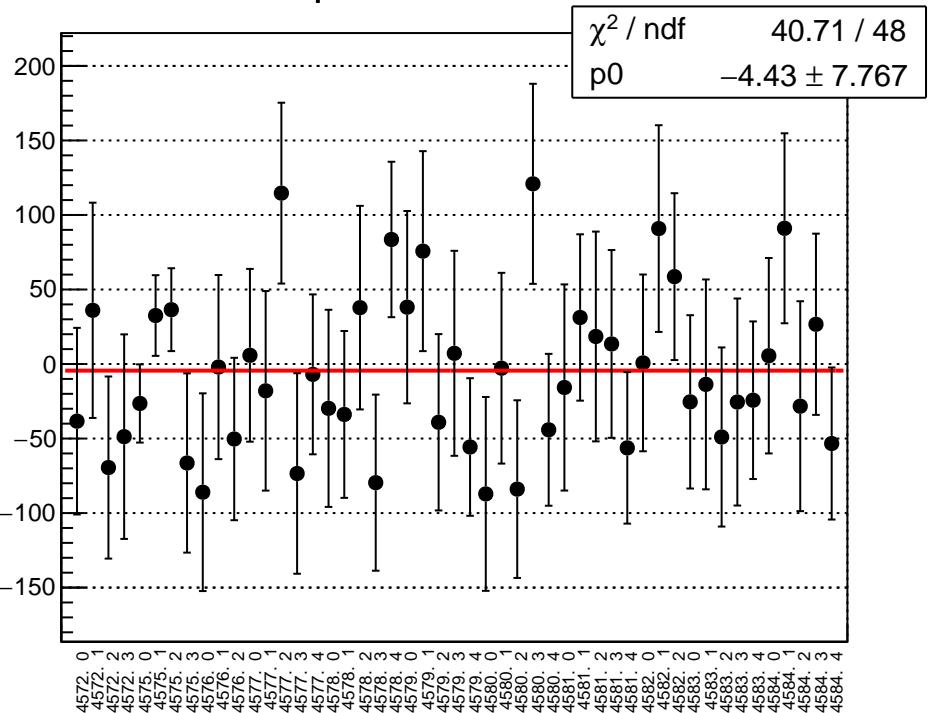
# diff\_bpm4ecX\_mean vs run



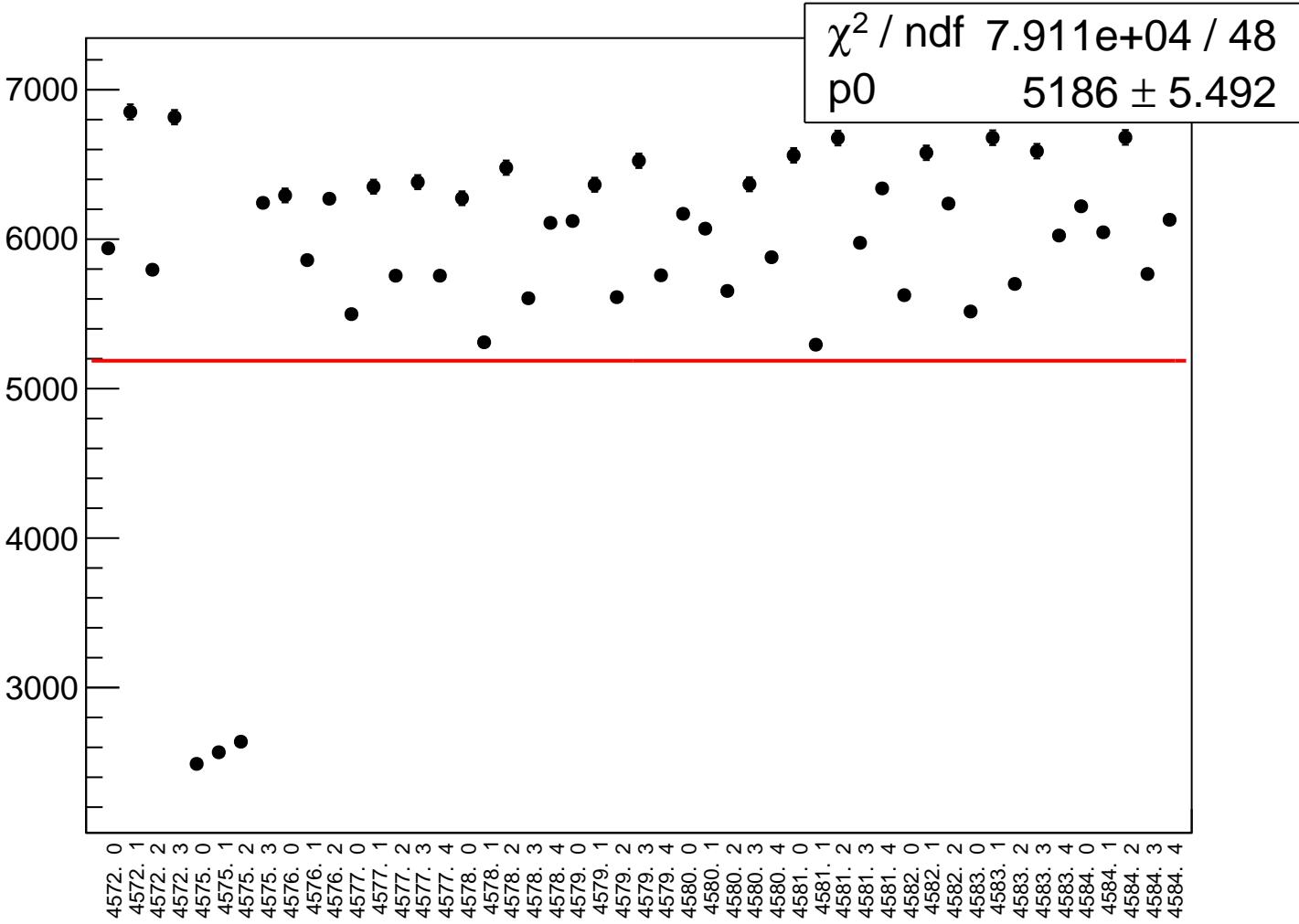
# diff\_bpm4ecX\_rms vs run



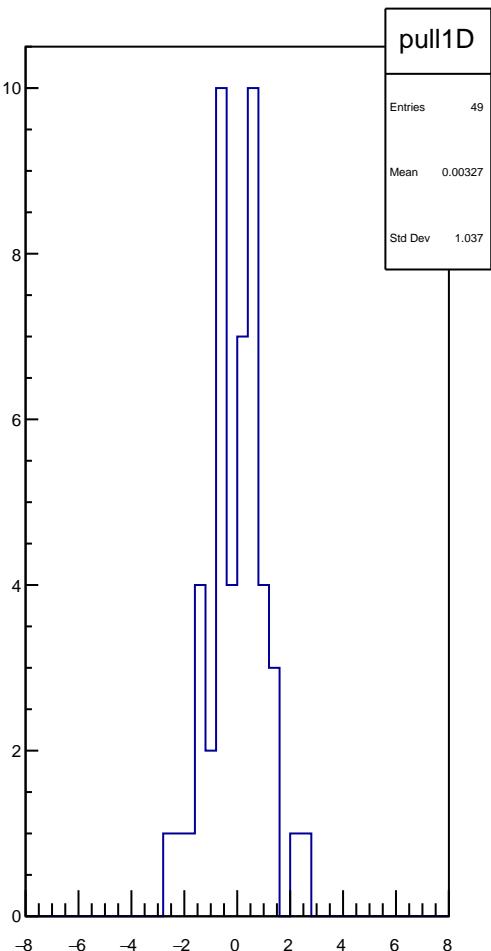
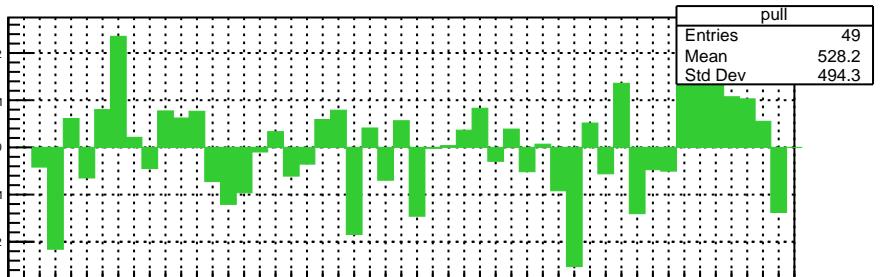
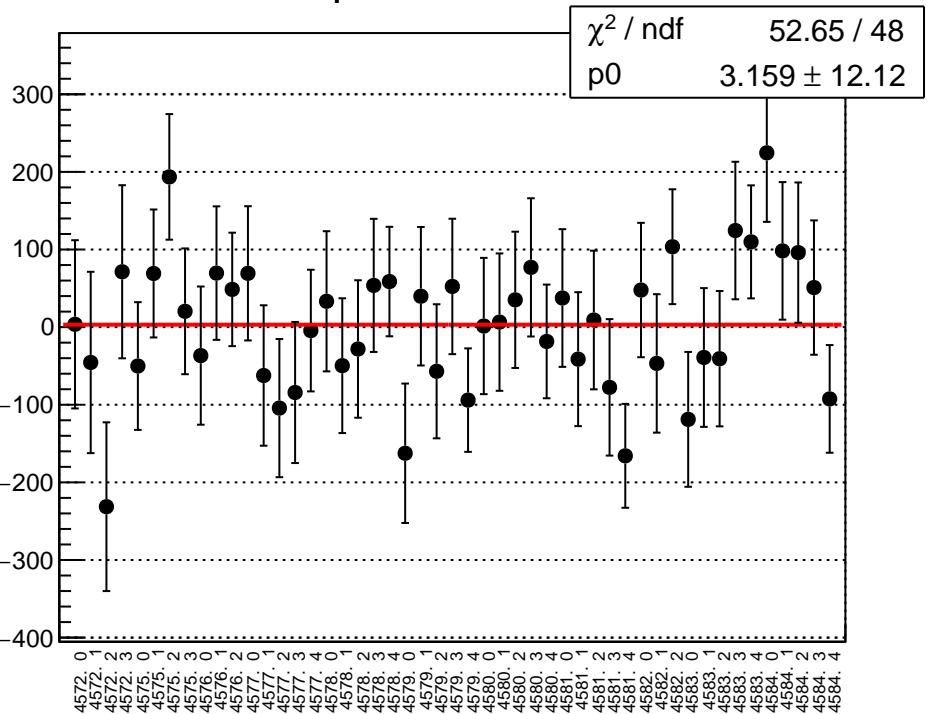
# diff\_bpm4ecY\_mean vs run



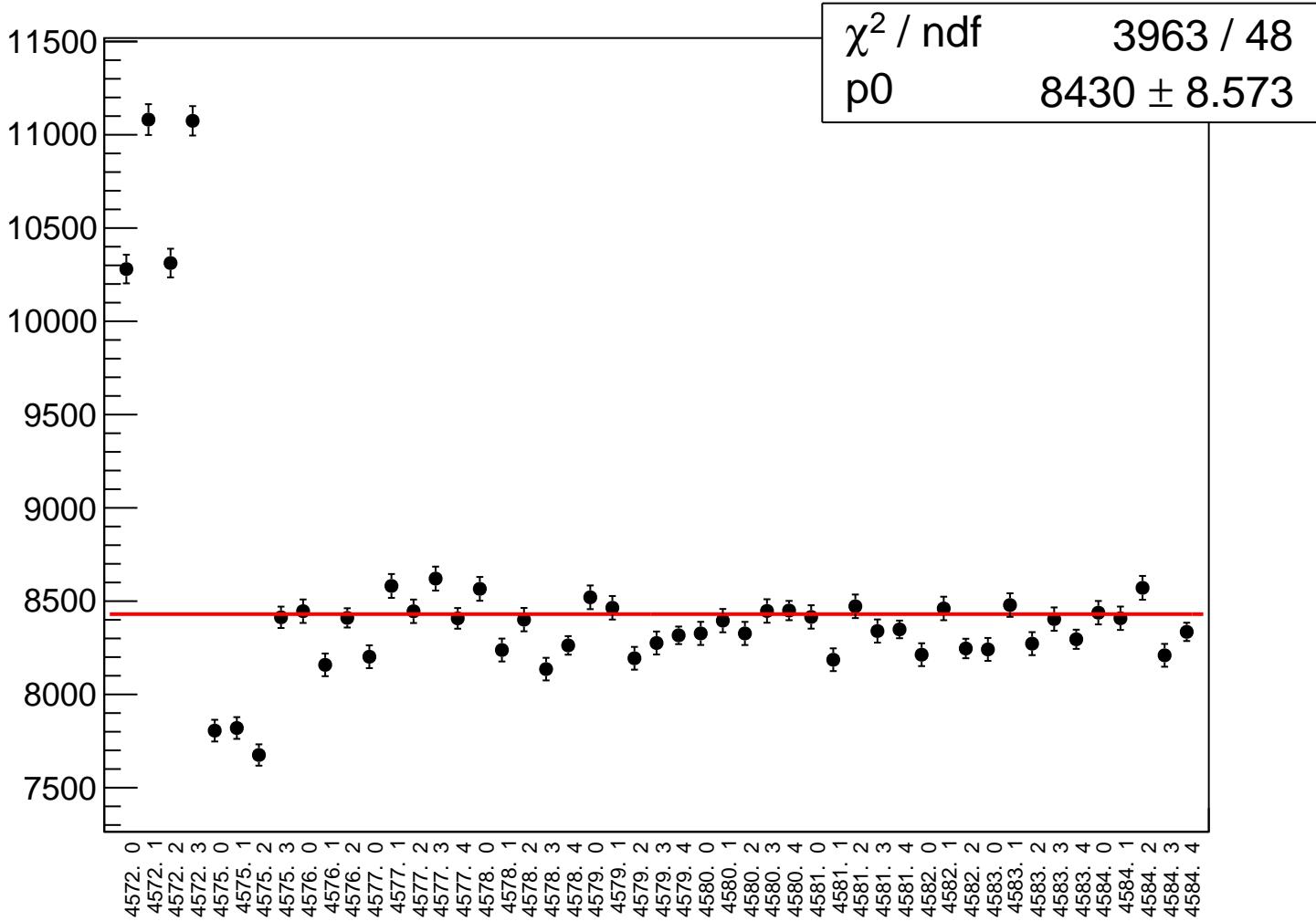
# diff\_bpm4ecY\_rms vs run



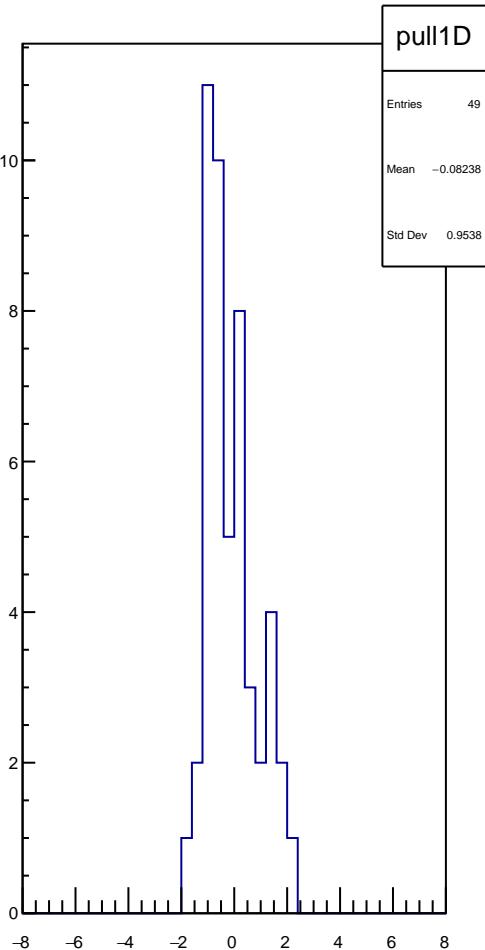
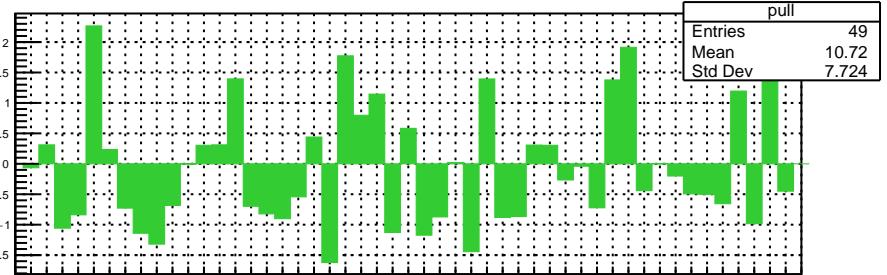
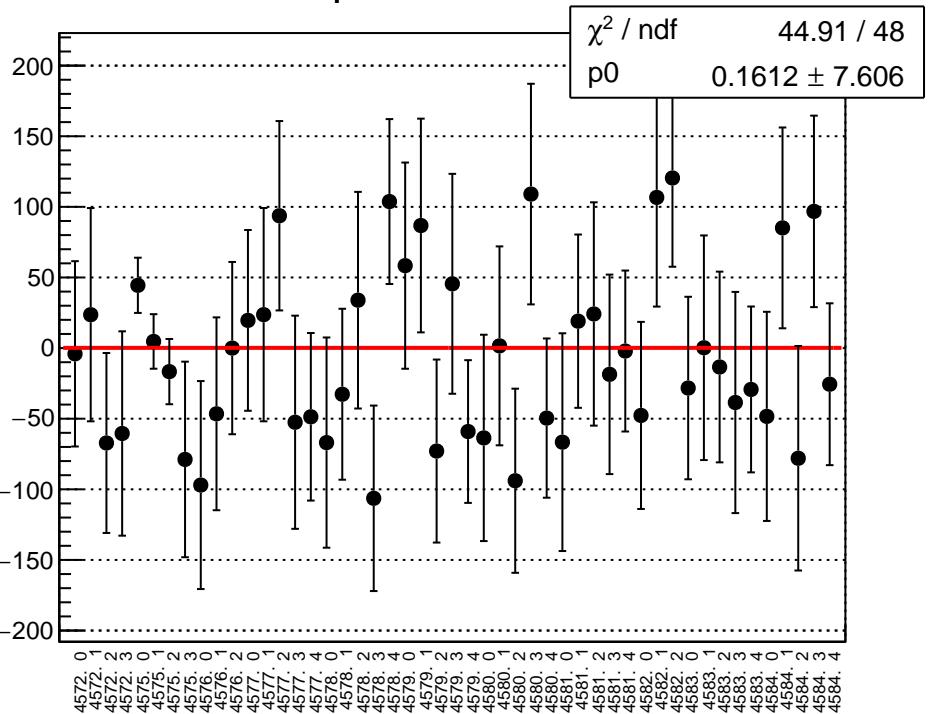
# diff\_bpm1X\_mean vs run



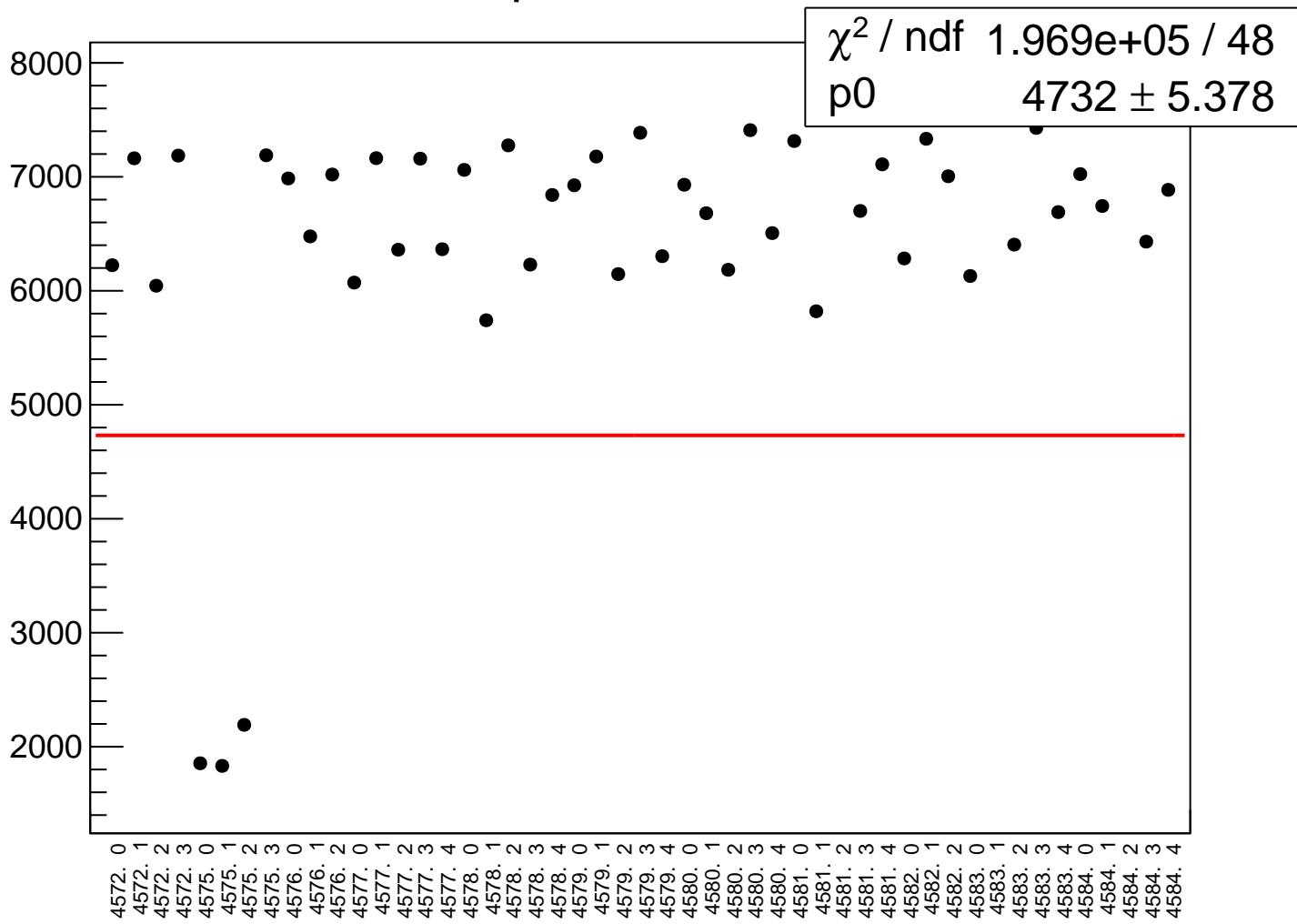
# diff\_bpm1X\_rms vs run



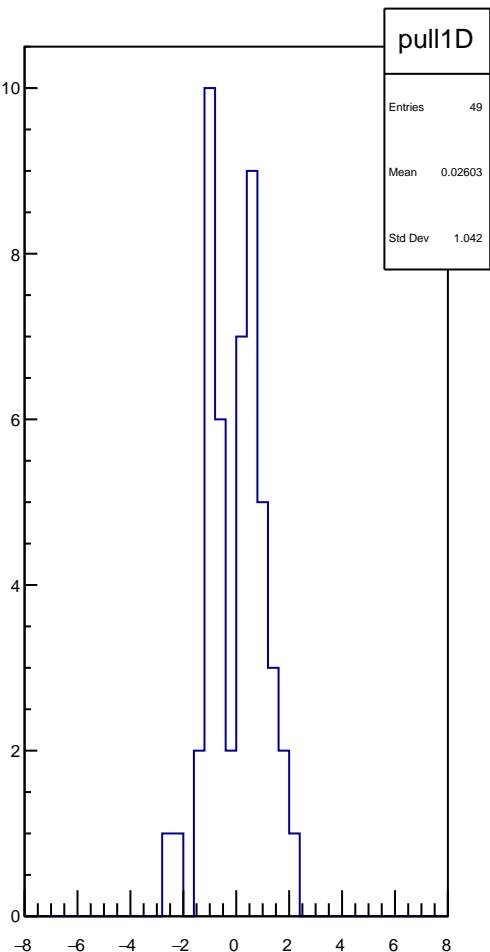
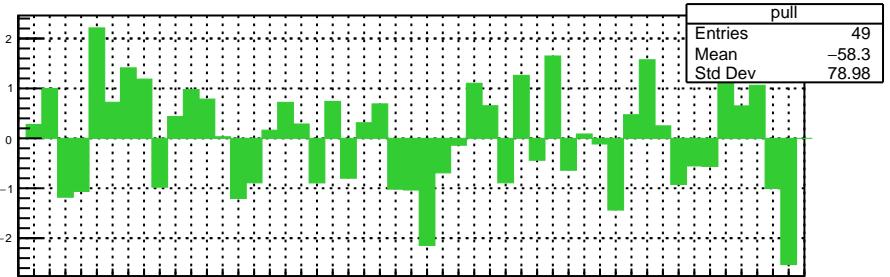
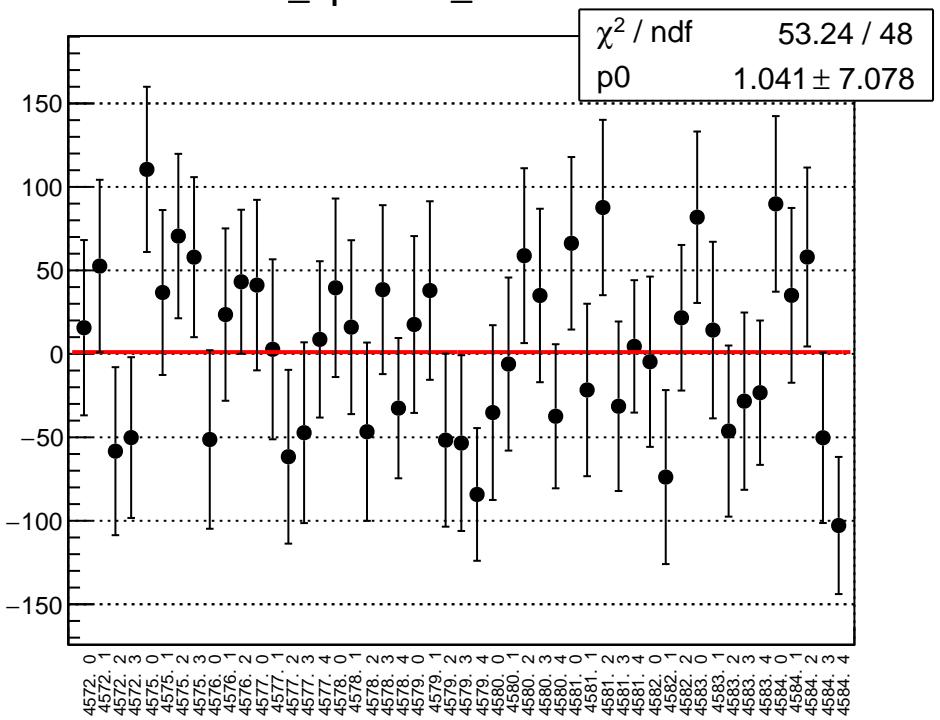
# diff\_bpm1Y\_mean vs run



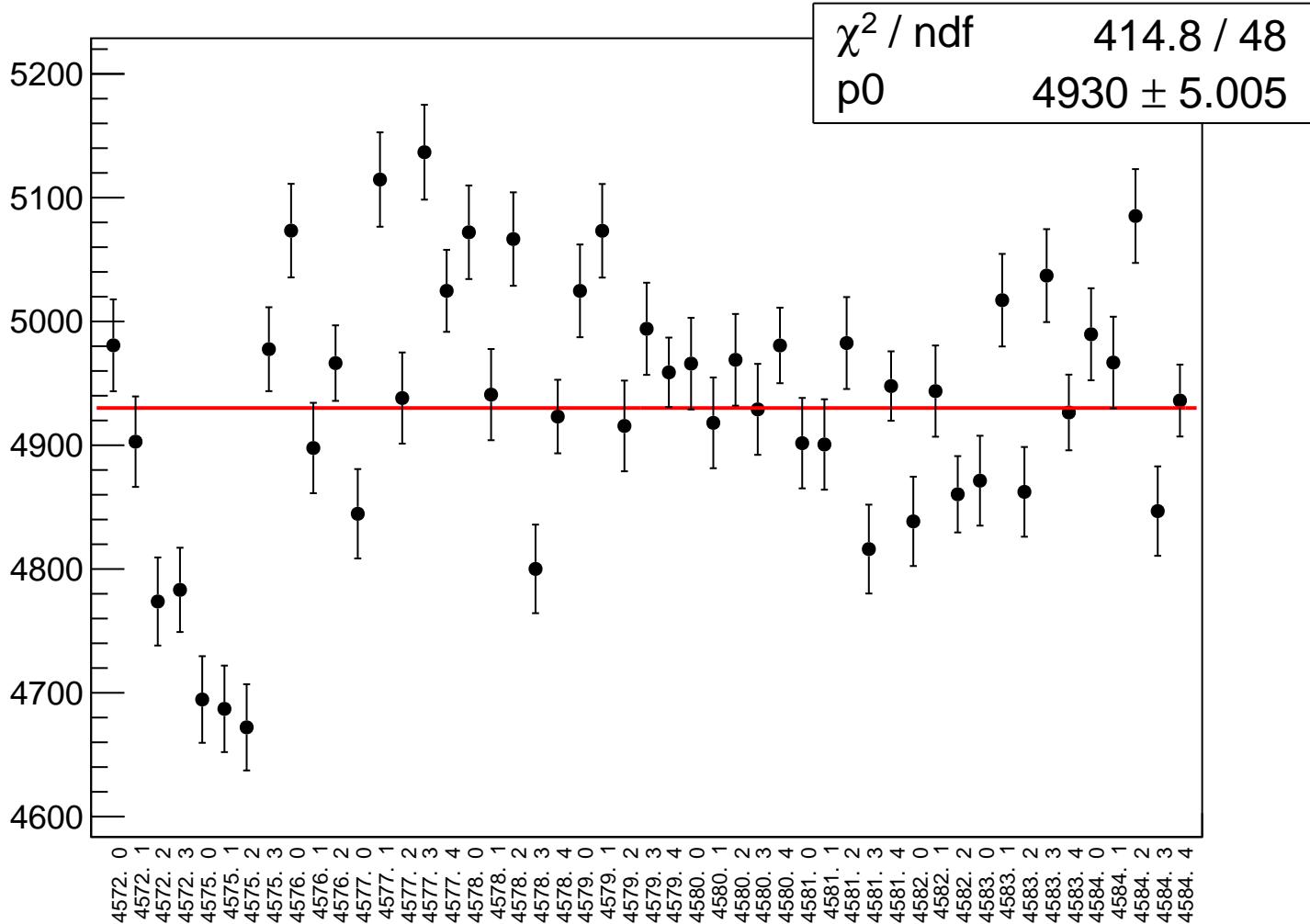
# diff\_bpm1Y\_rms vs run



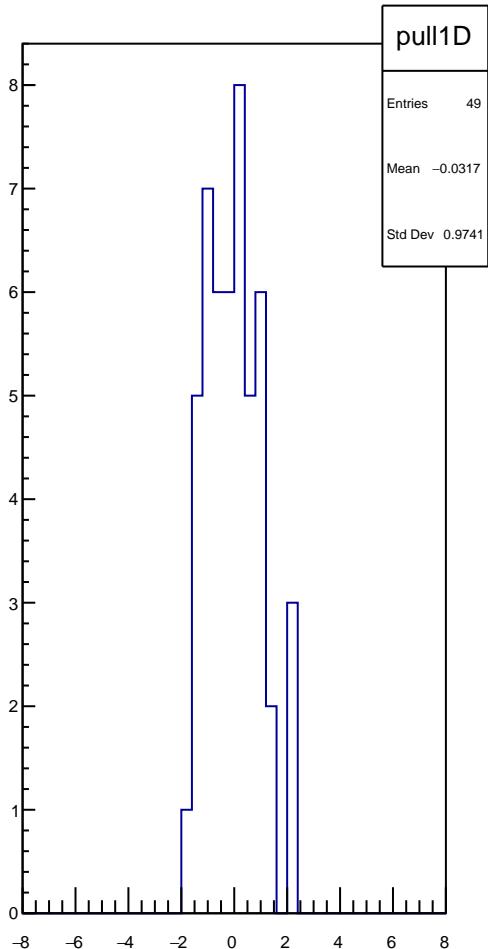
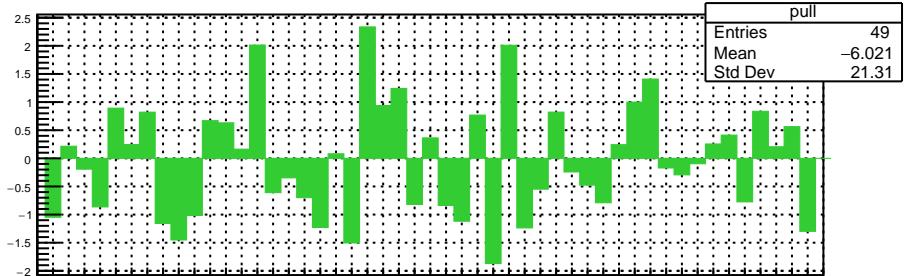
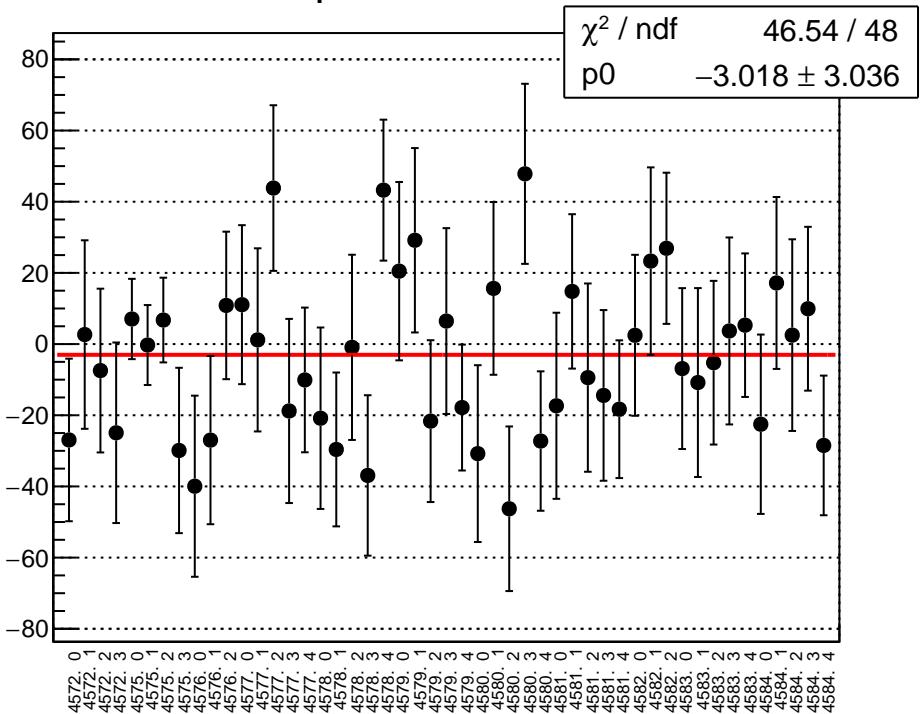
# diff\_bpm11X\_mean vs run



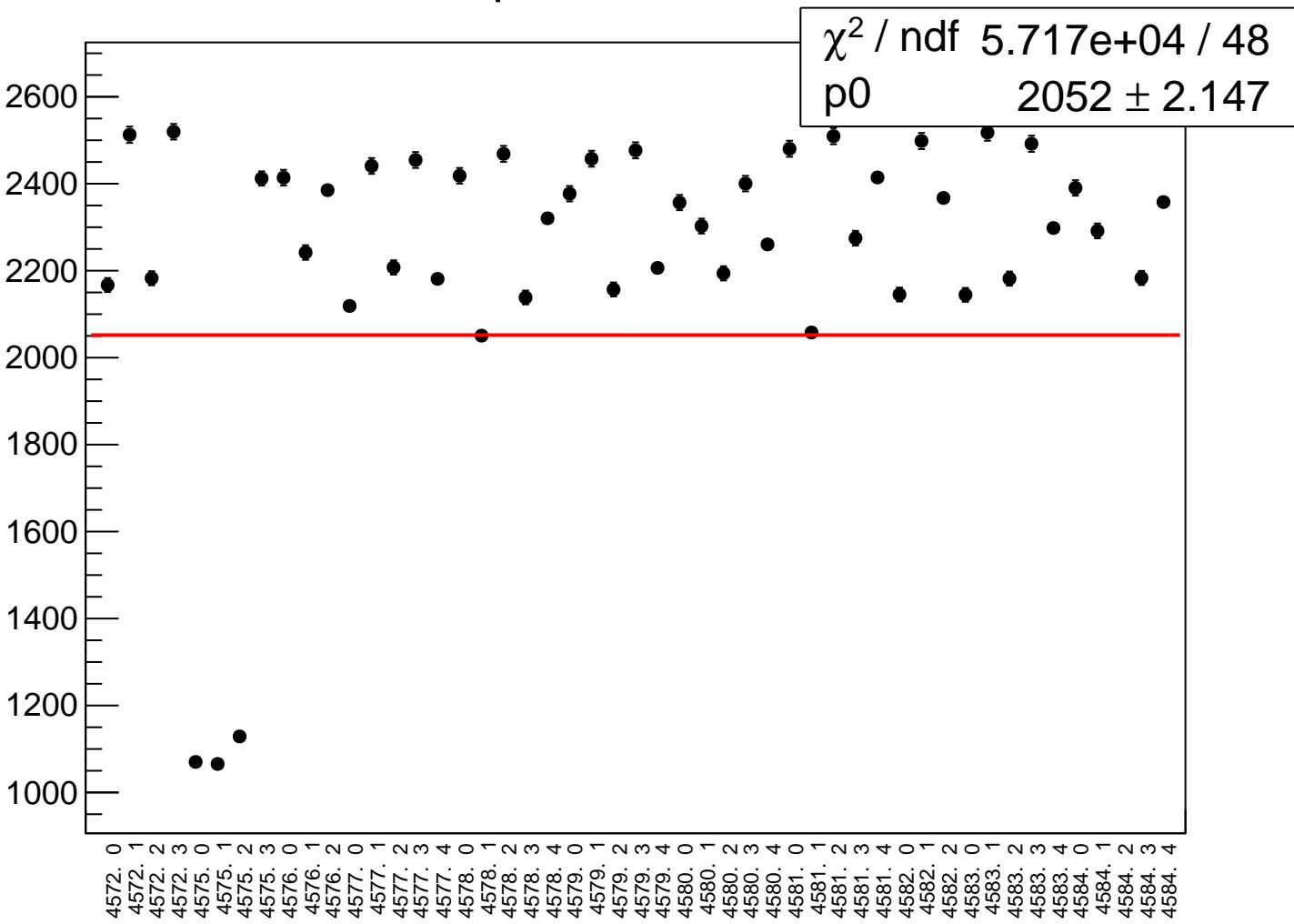
# diff\_bpm11X\_rms vs run



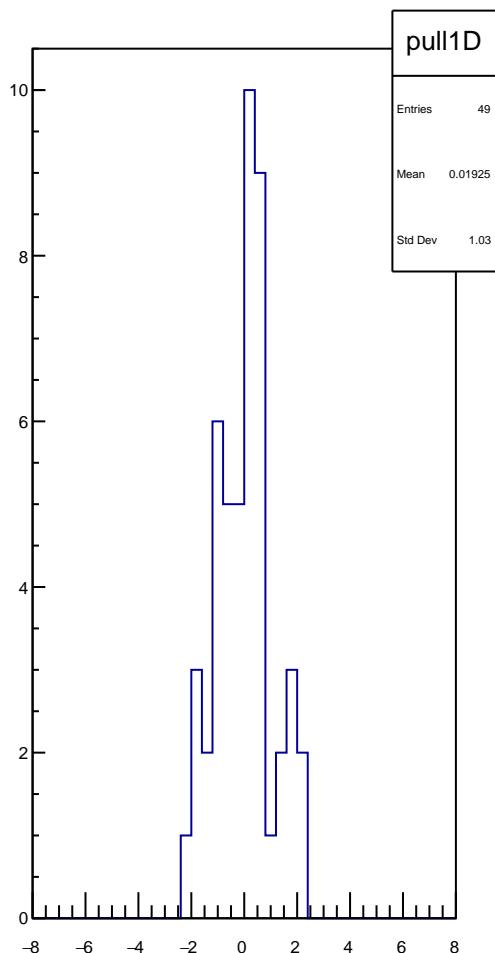
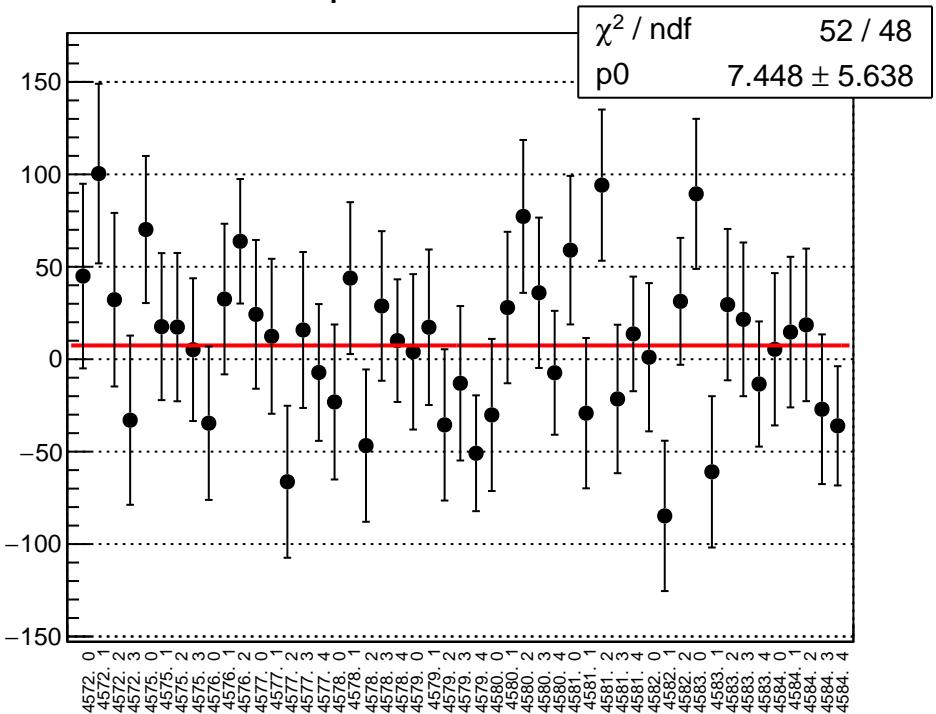
# diff\_bpm11Y\_mean vs run



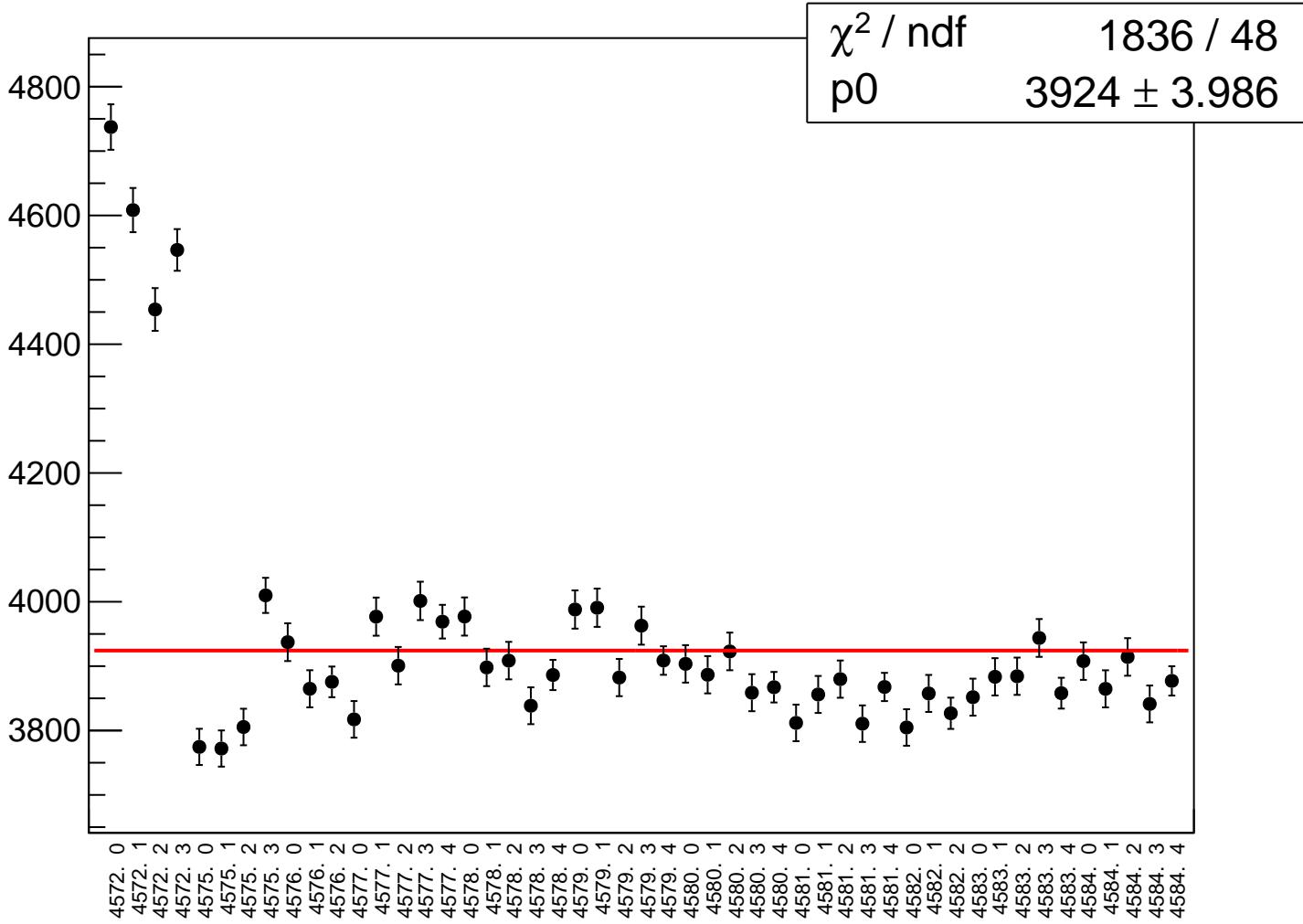
# diff\_bpm11Y\_rms vs run



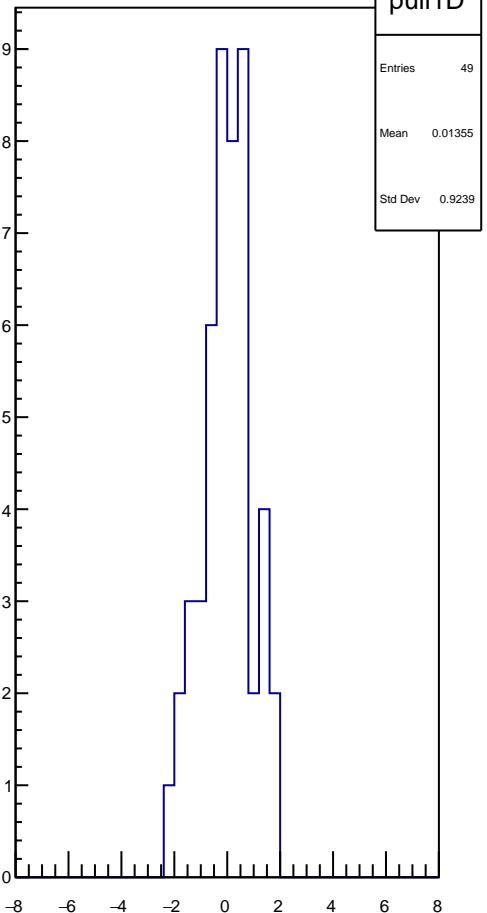
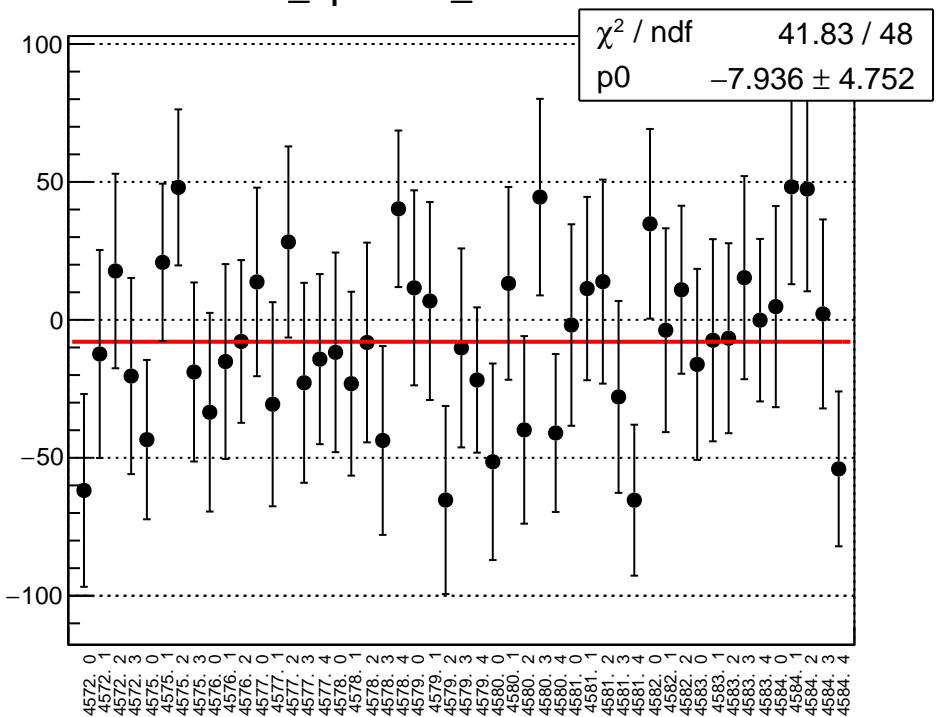
# diff\_bpm12X\_mean vs run



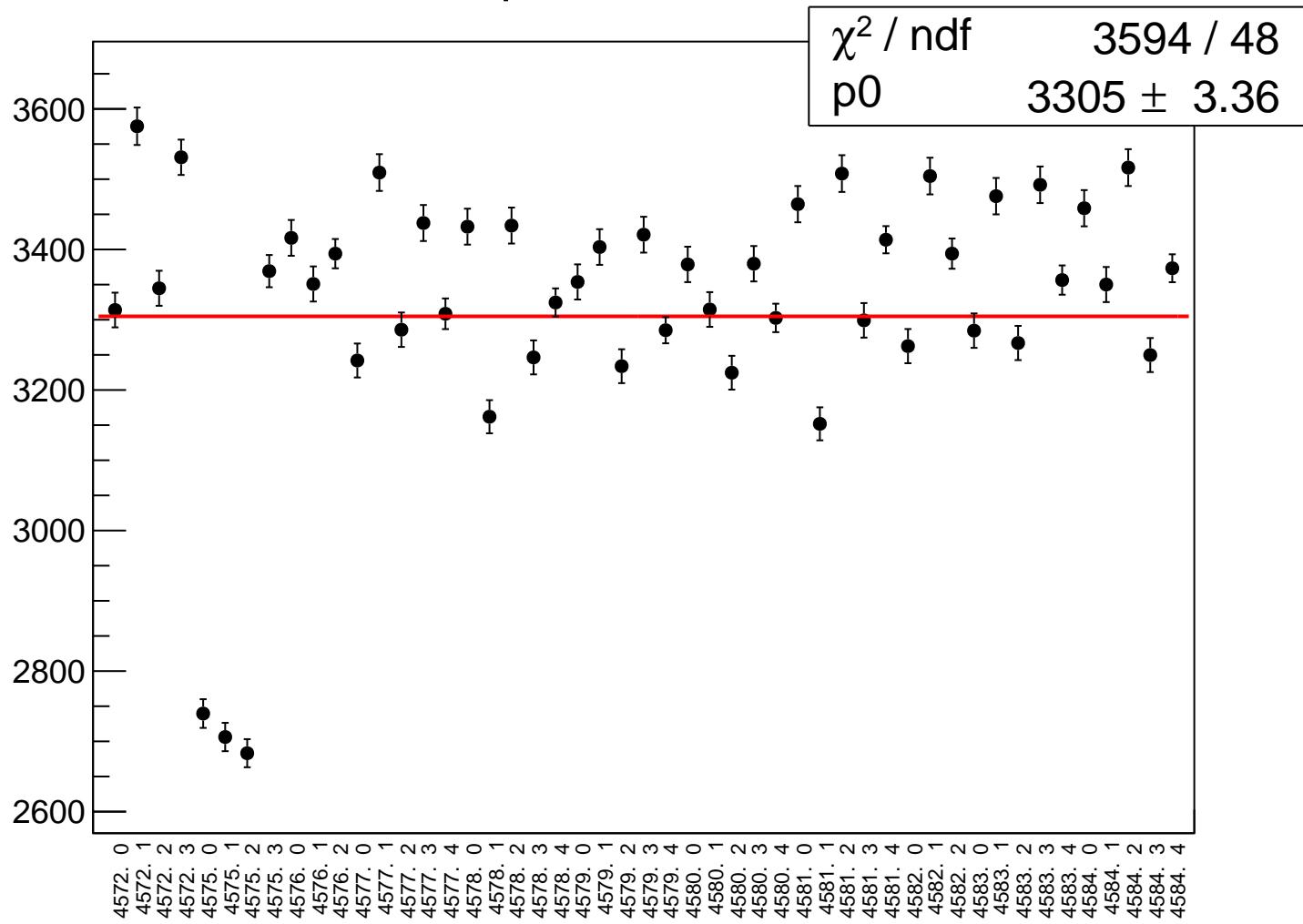
# diff\_bpm12X\_rms vs run



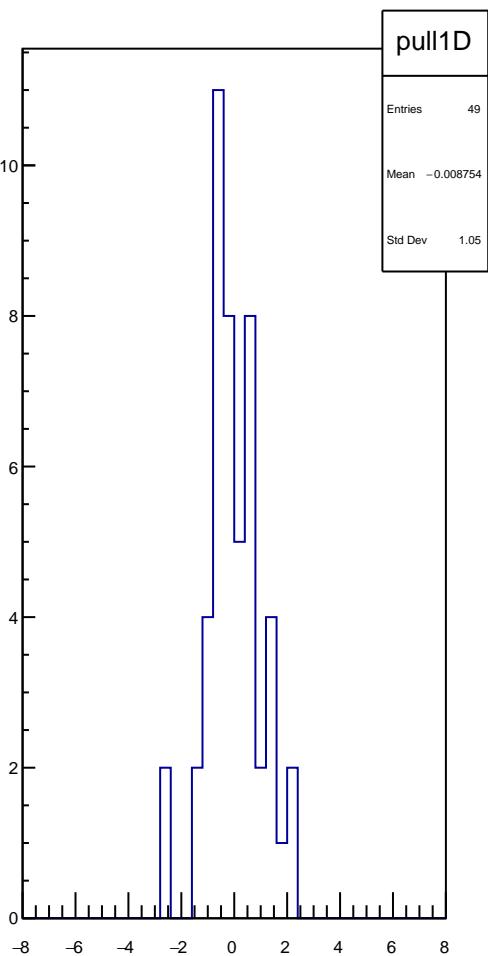
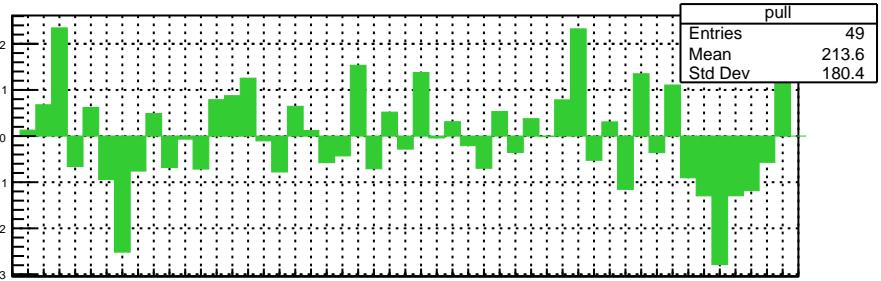
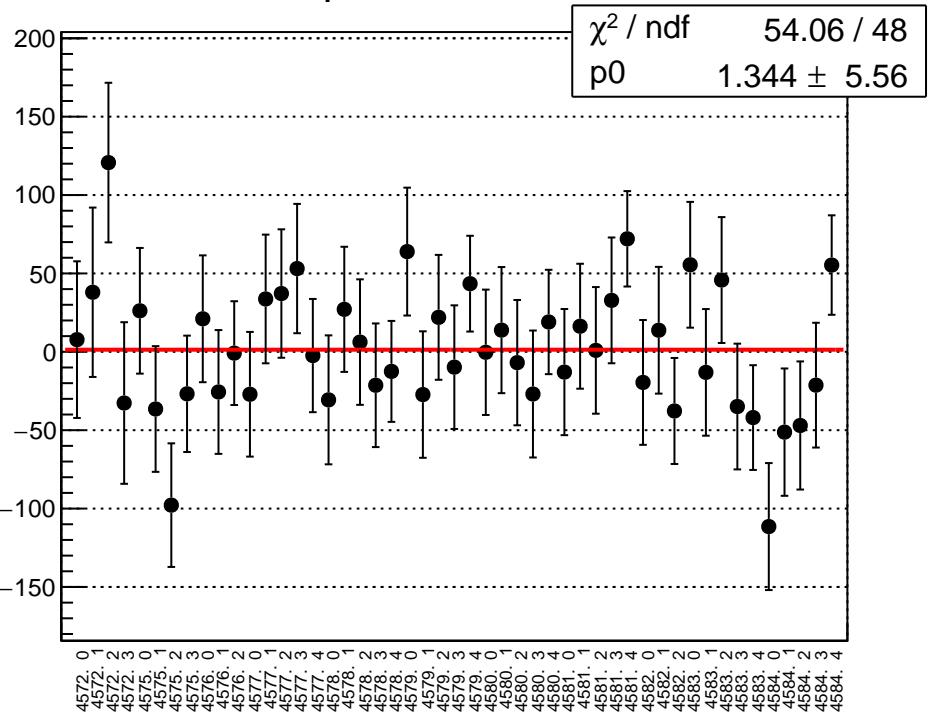
# diff\_bpm12Y\_mean vs run



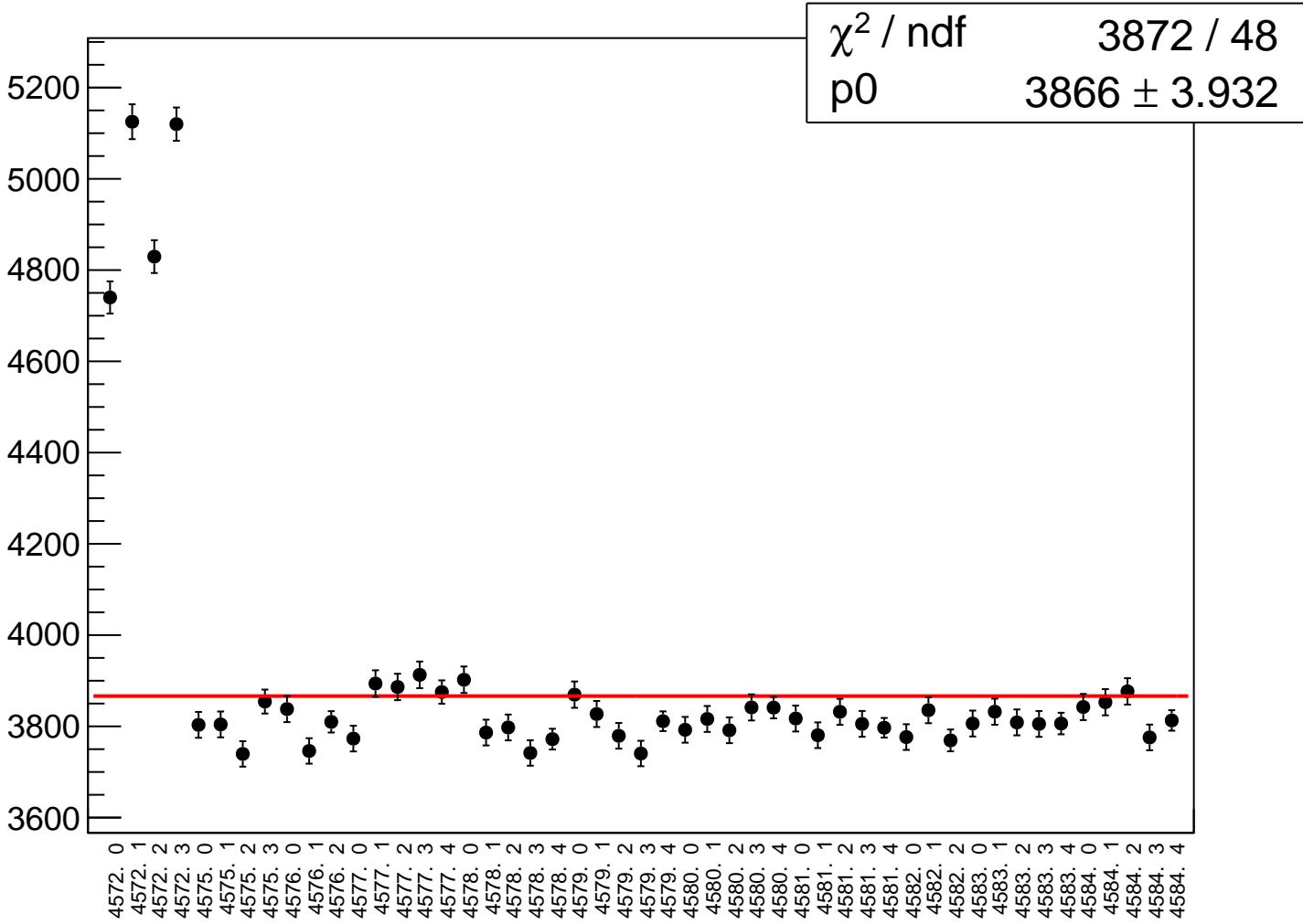
# diff\_bpm12Y\_rms vs run



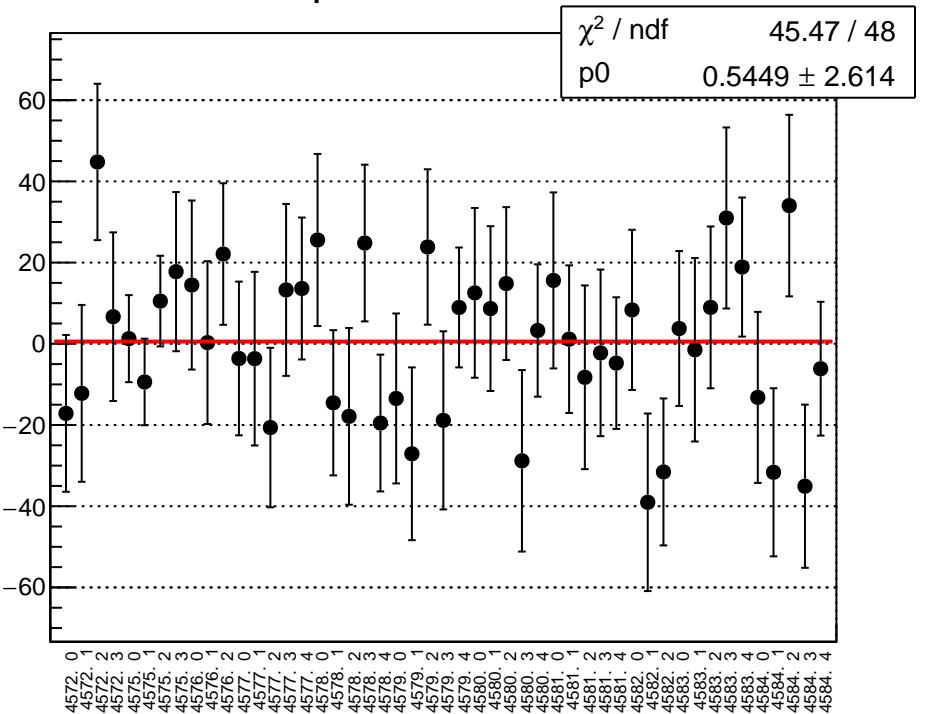
# diff\_bpm16X\_mean vs run



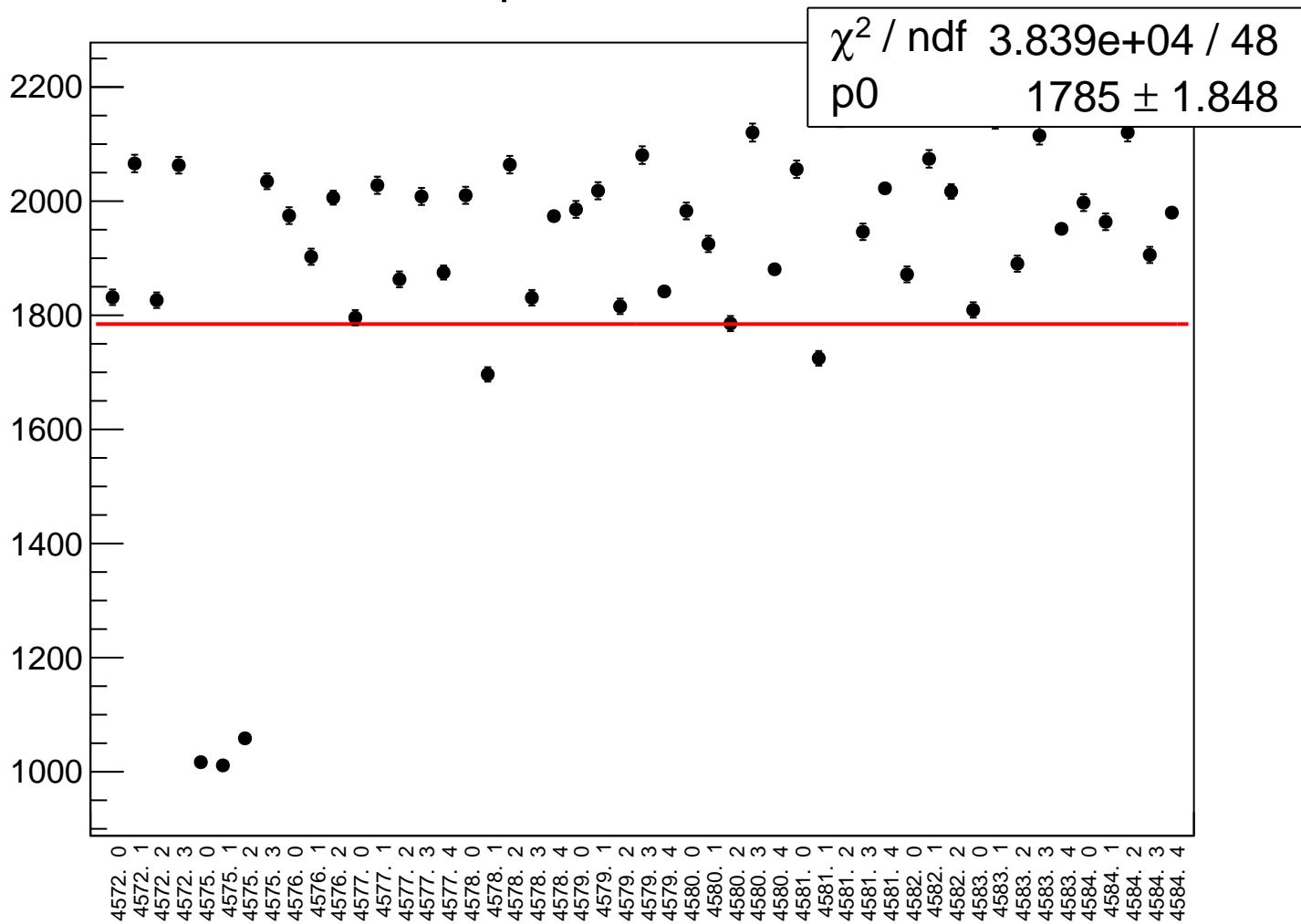
# diff\_bpm16X\_rms vs run



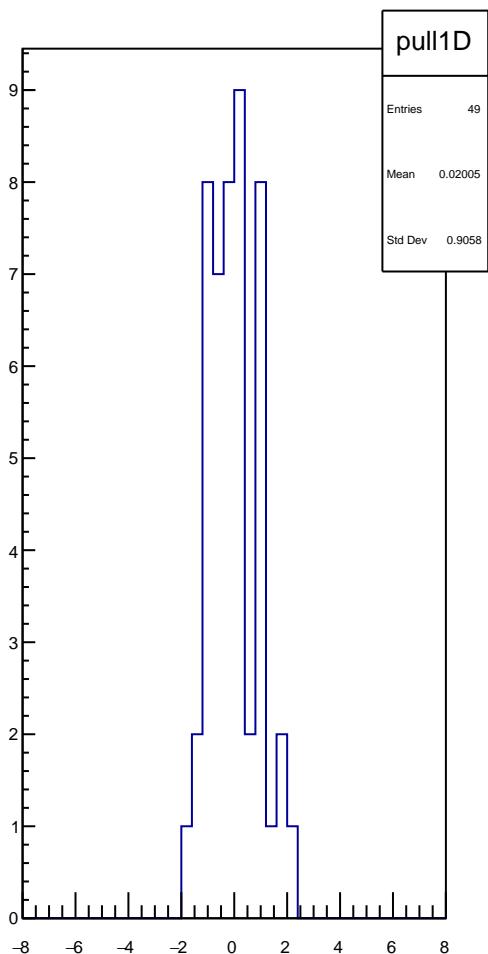
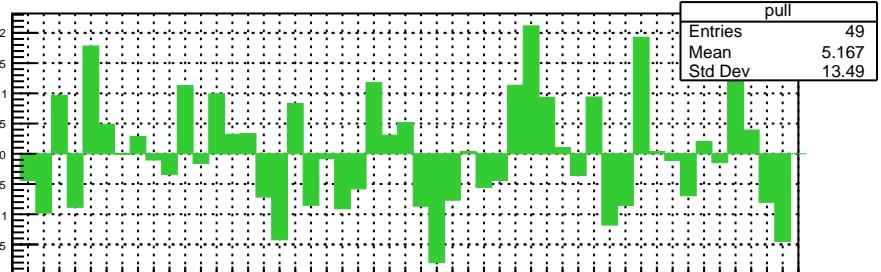
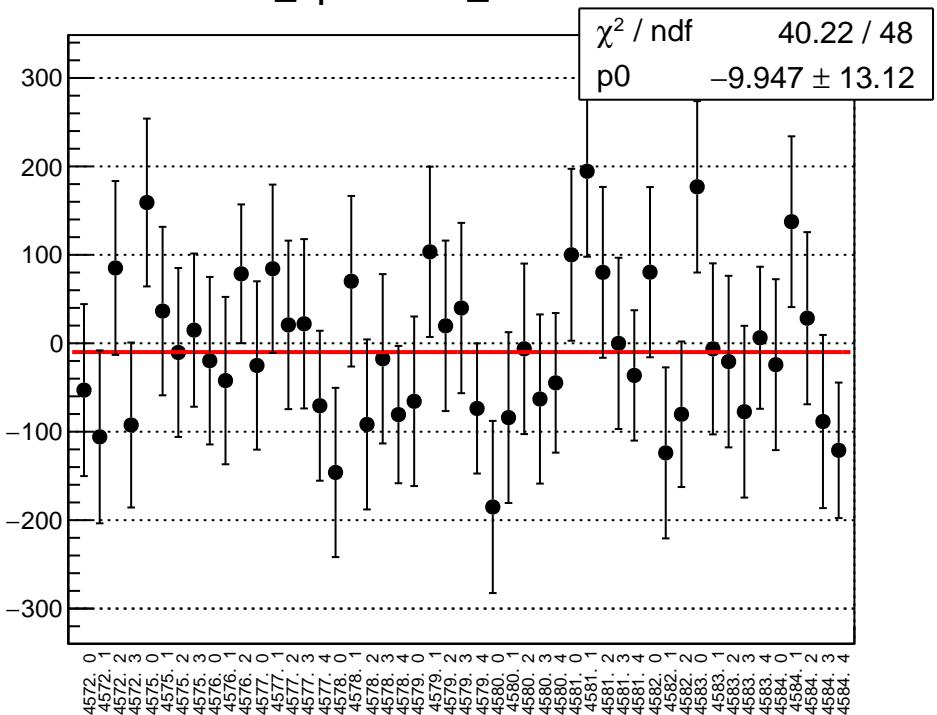
# diff\_bpm16Y\_mean vs run



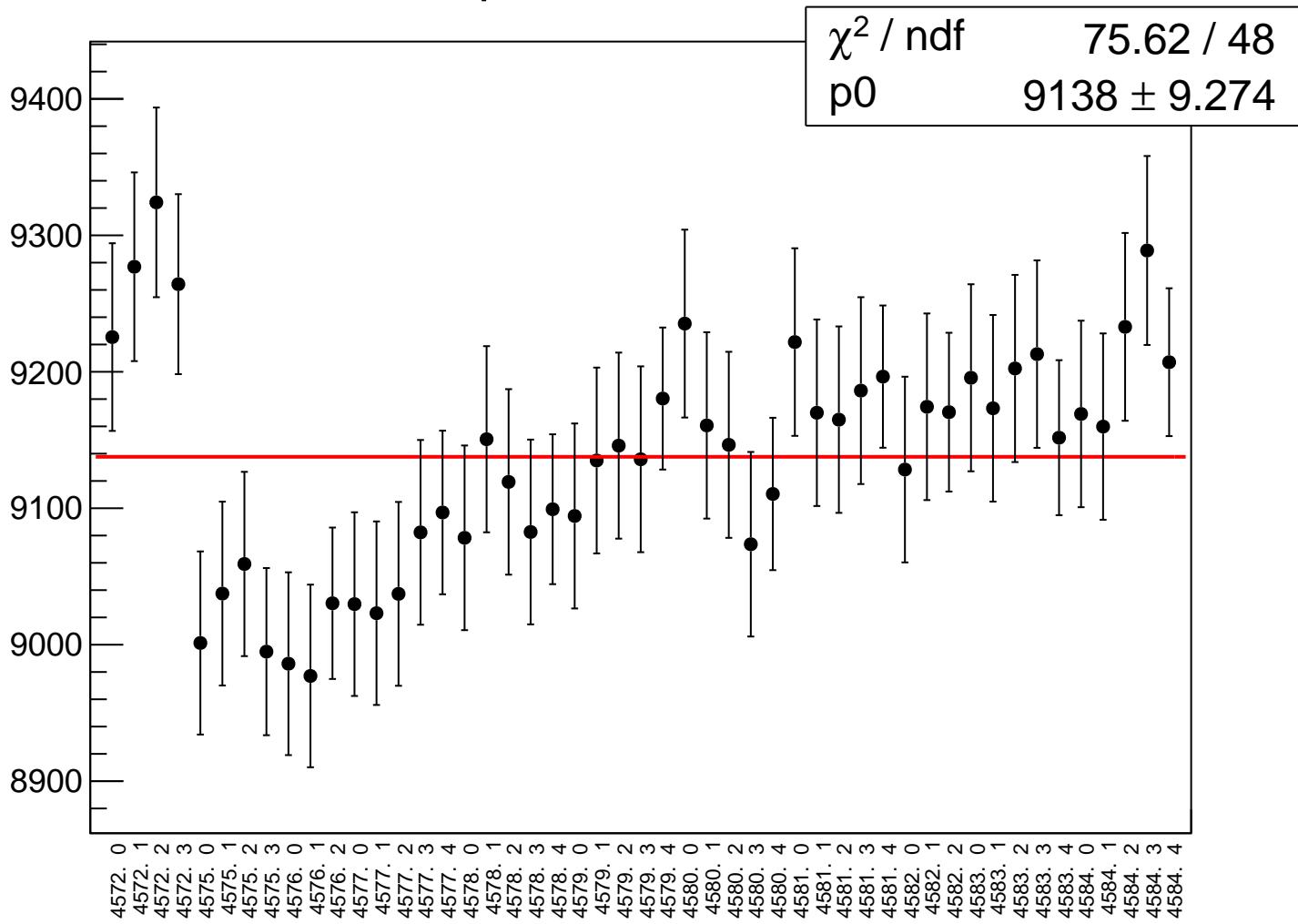
# diff\_bpm16Y\_rms vs run

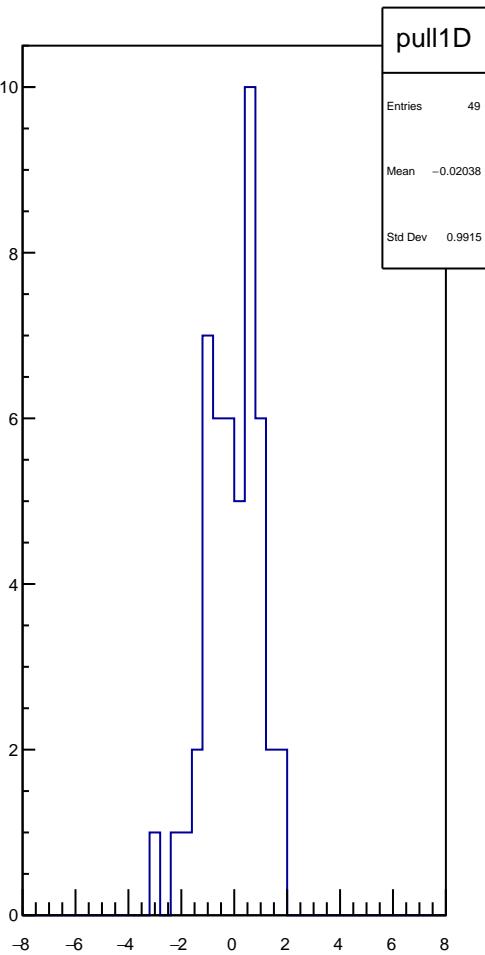
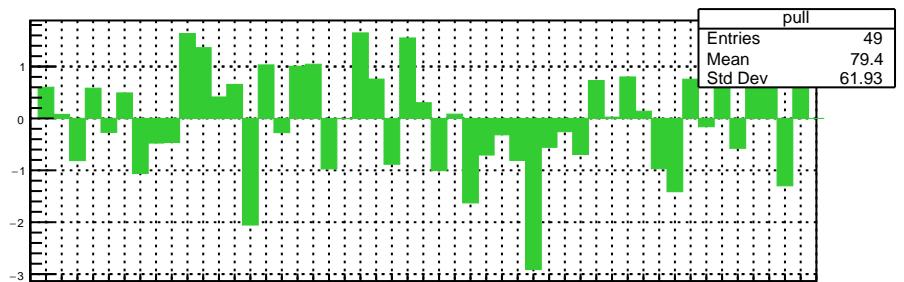
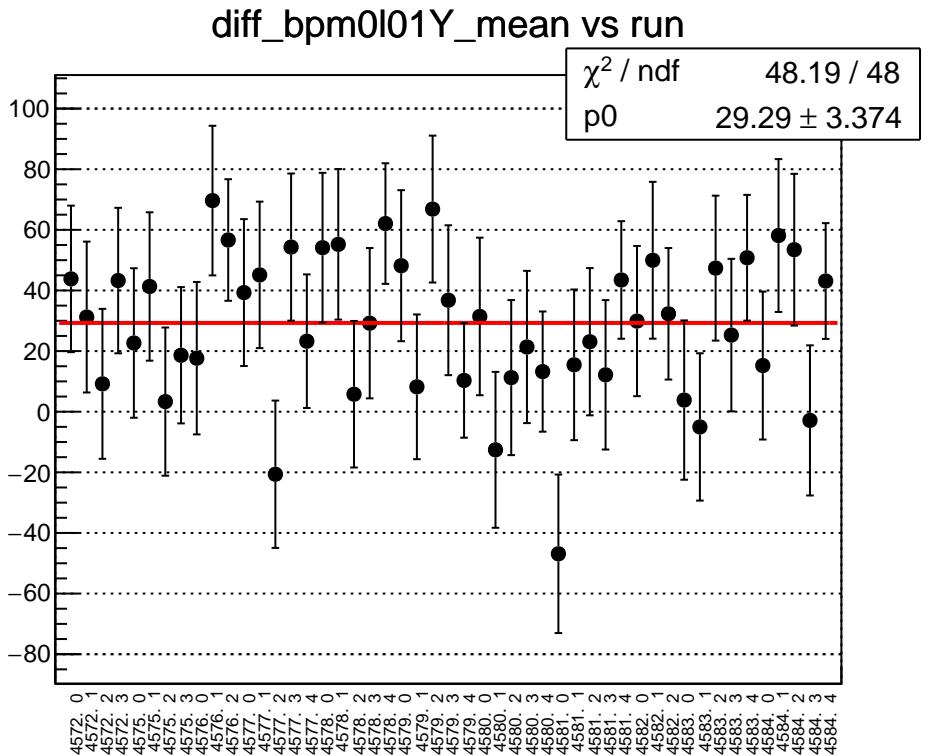


# diff\_bpm0l01X\_mean vs run

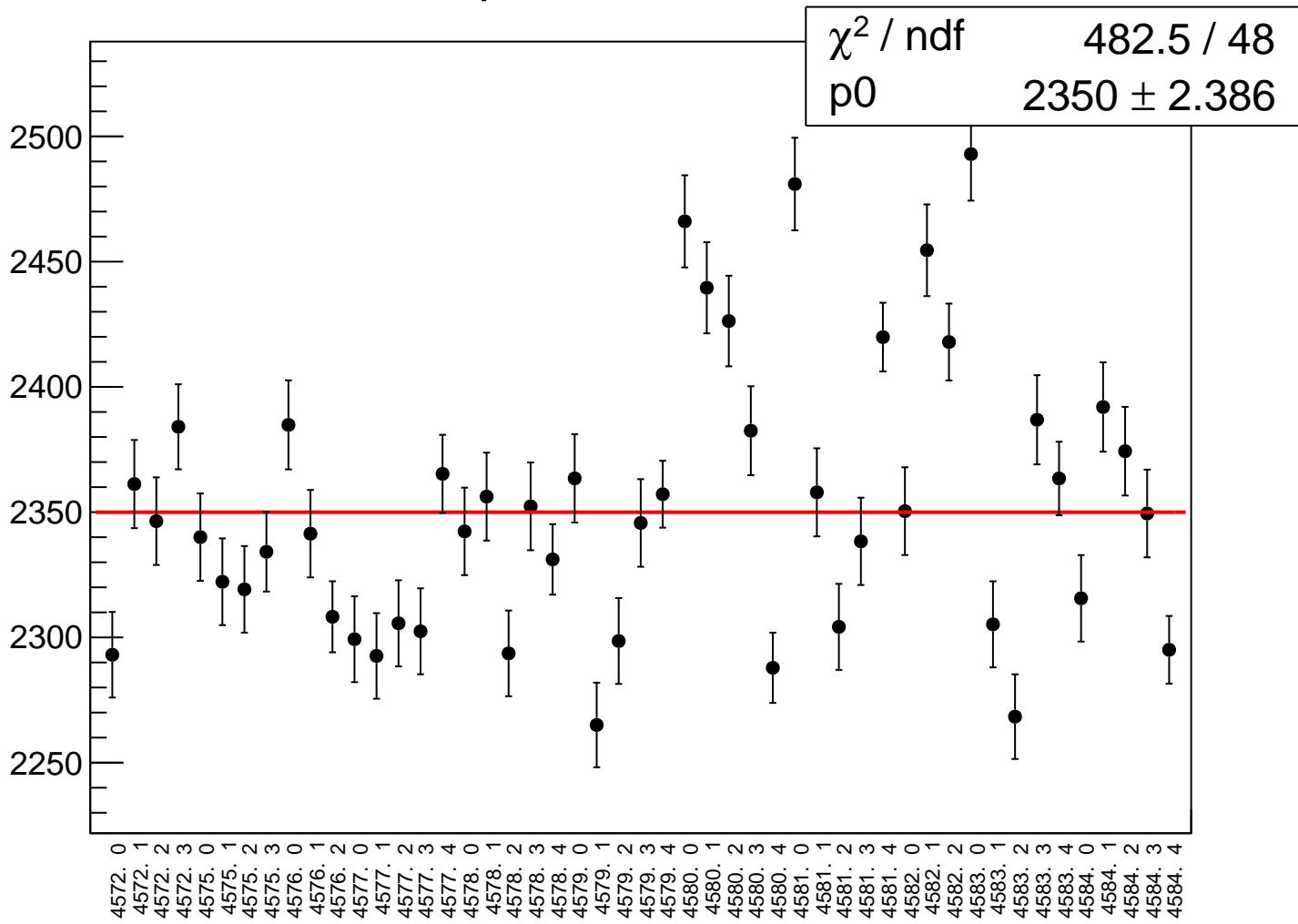


# diff\_bpmon01X\_rms vs run

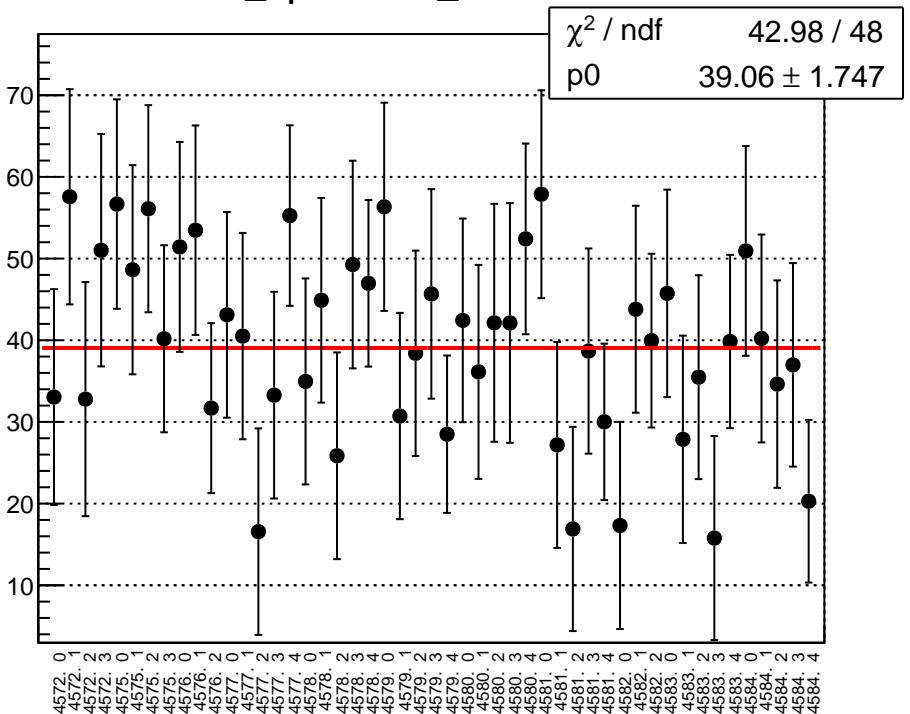




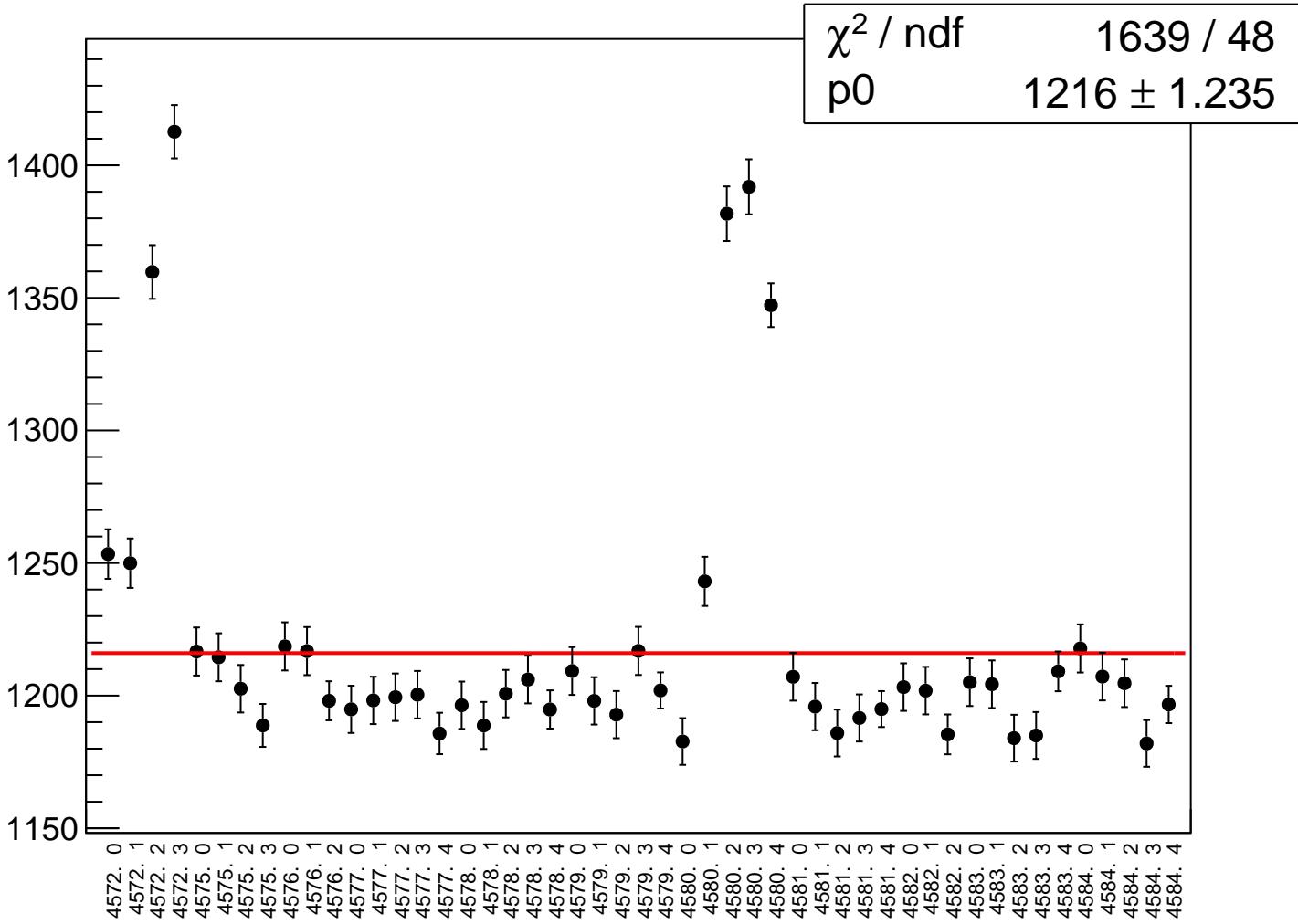
# diff\_bpm0I01Y\_rms vs run



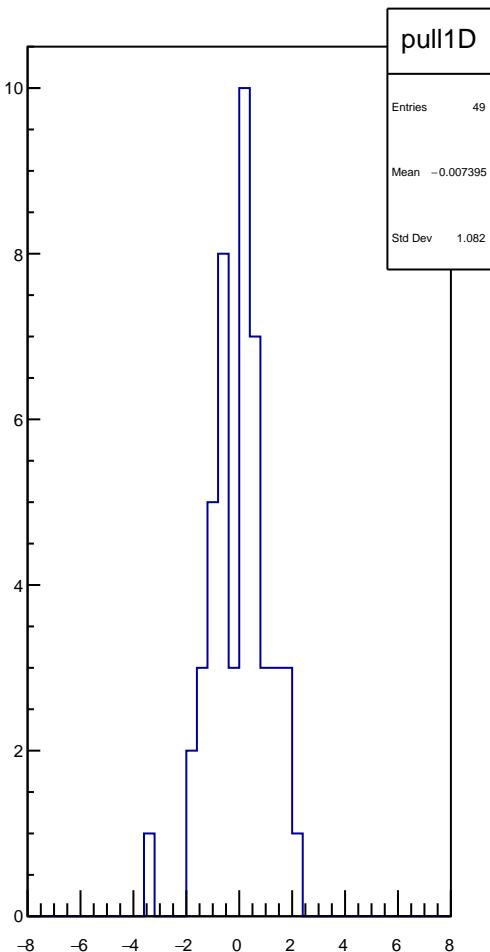
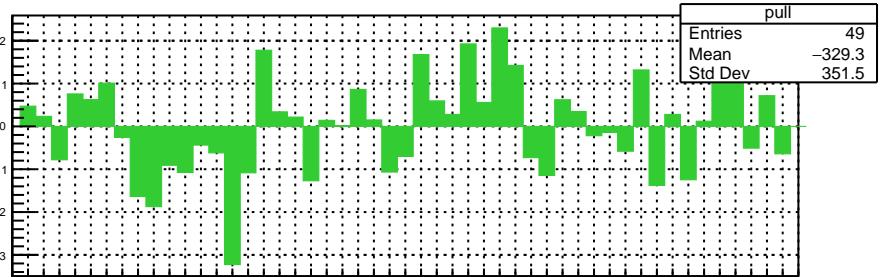
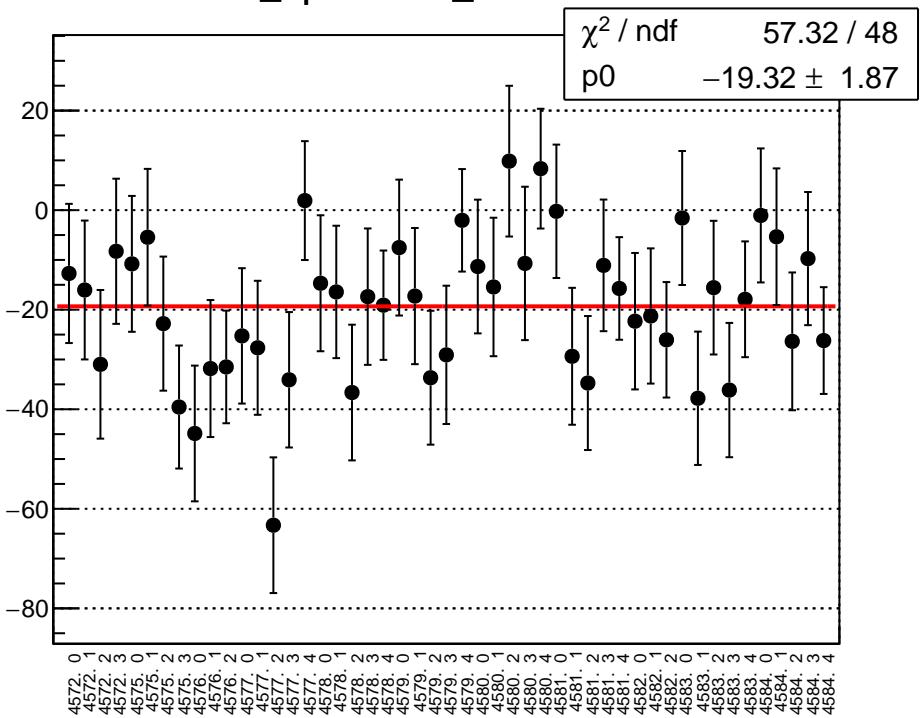
# diff\_bpm2i01X\_mean vs run



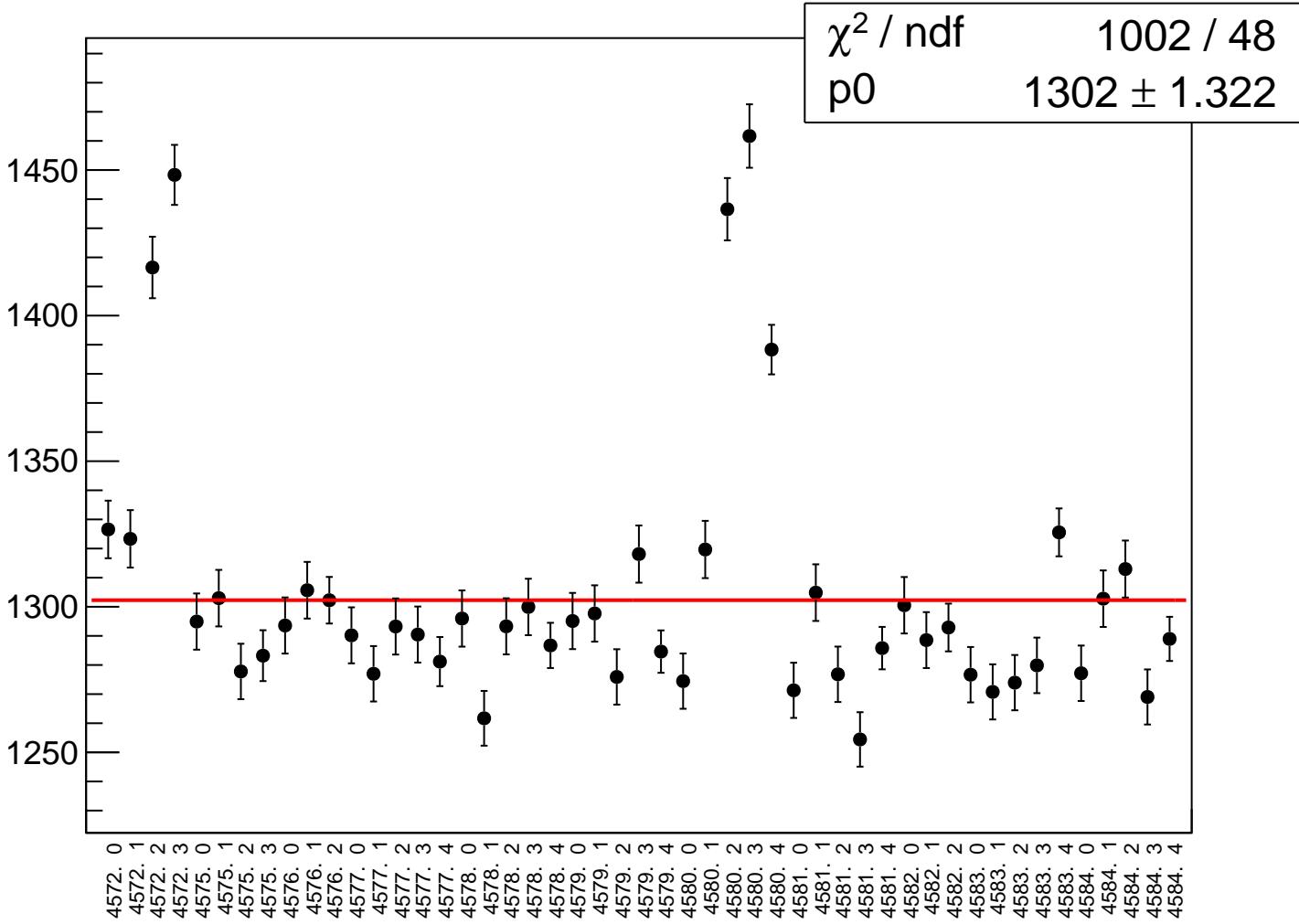
# diff\_bpm2i01X\_rms vs run



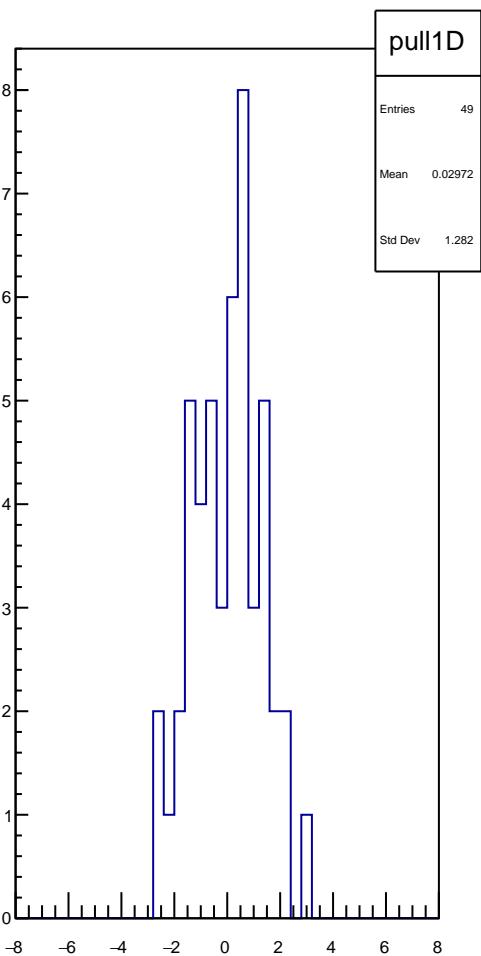
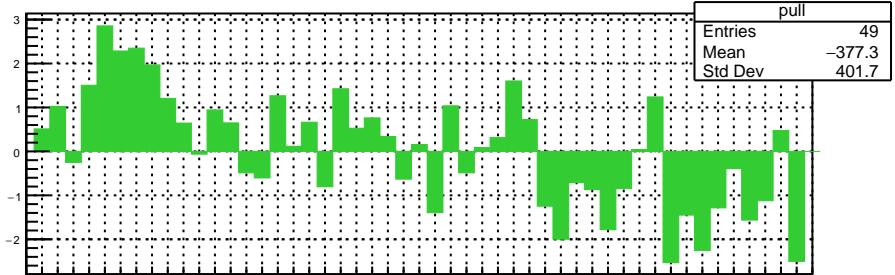
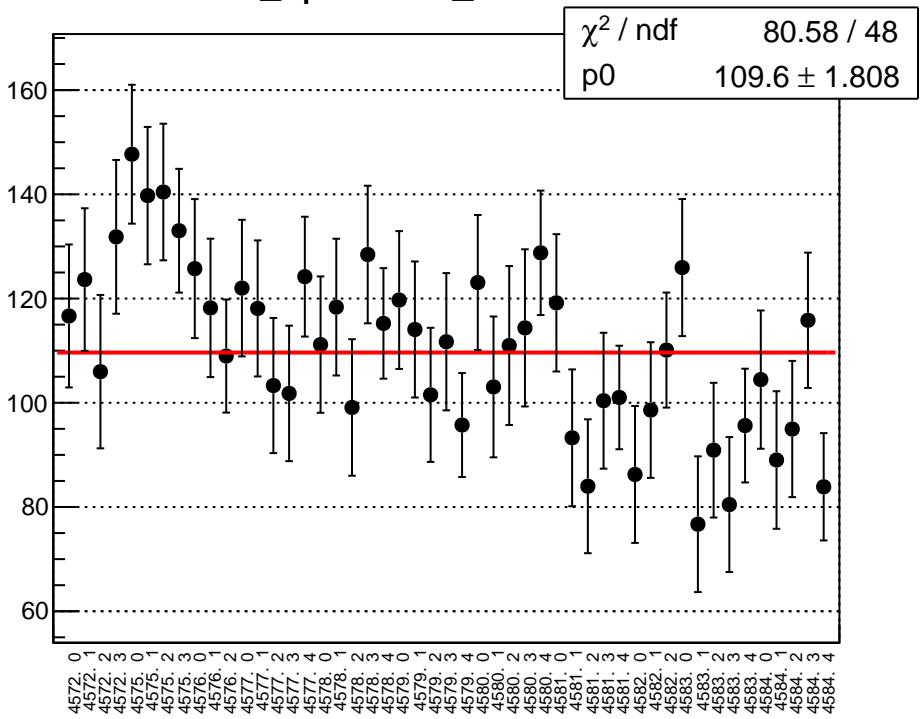
# diff\_bpm2i01Y\_mean vs run



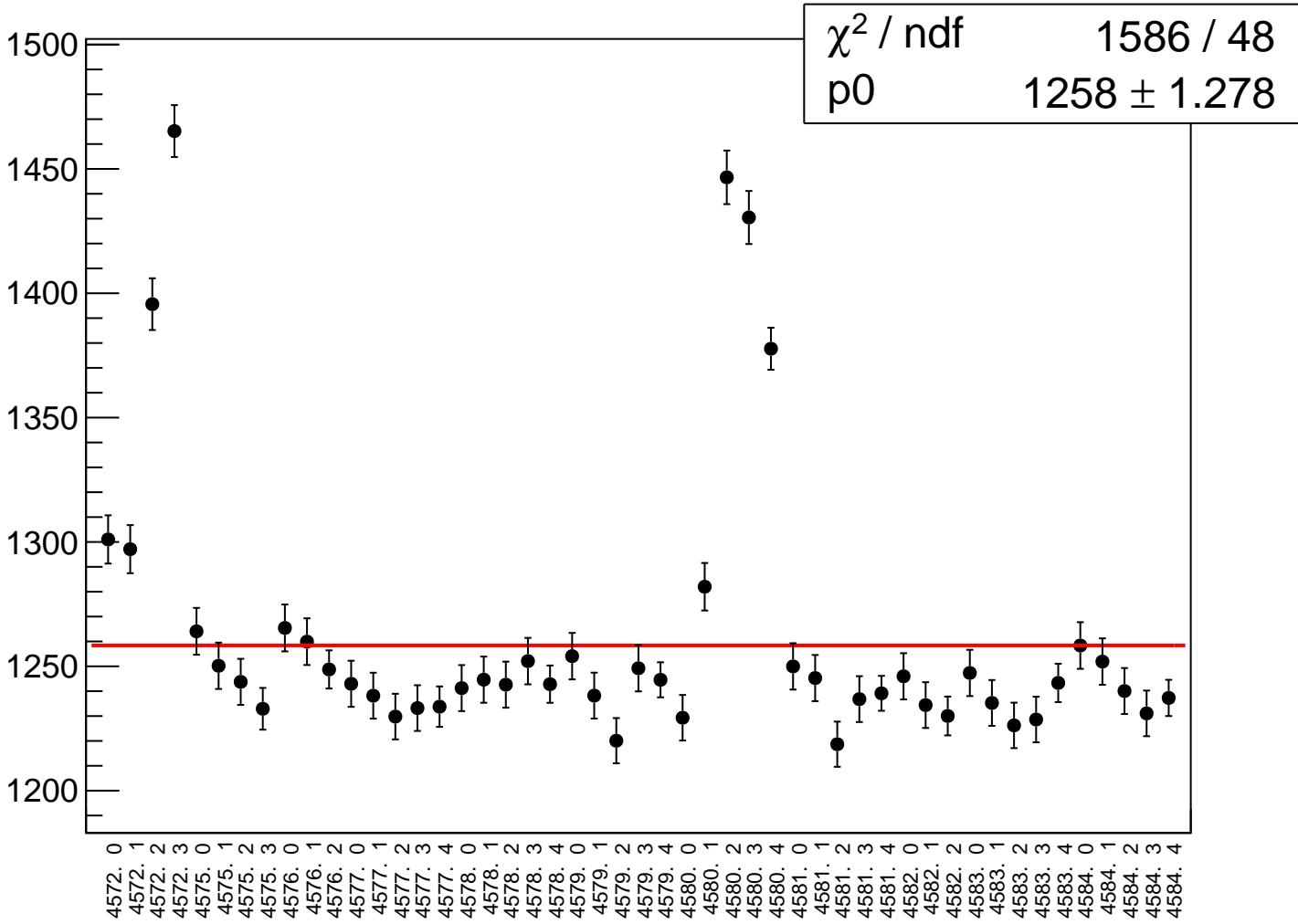
# diff\_bpm2i01Y\_rms vs run



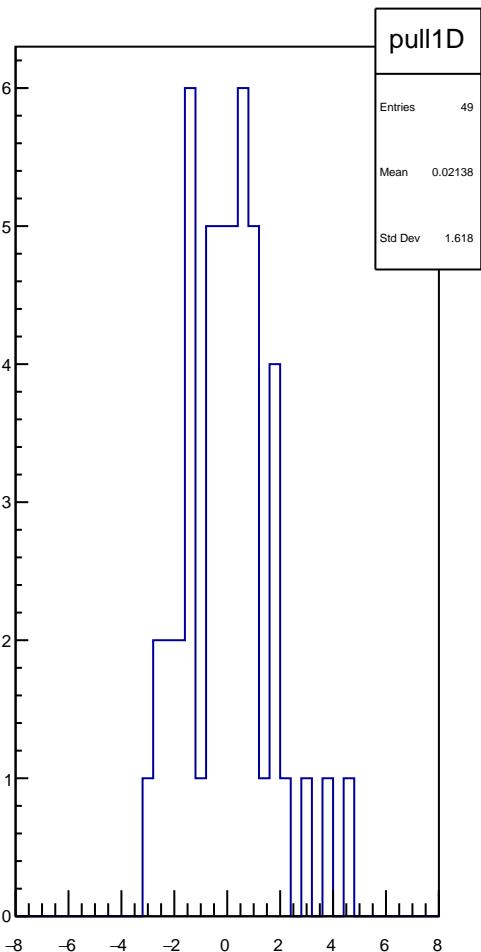
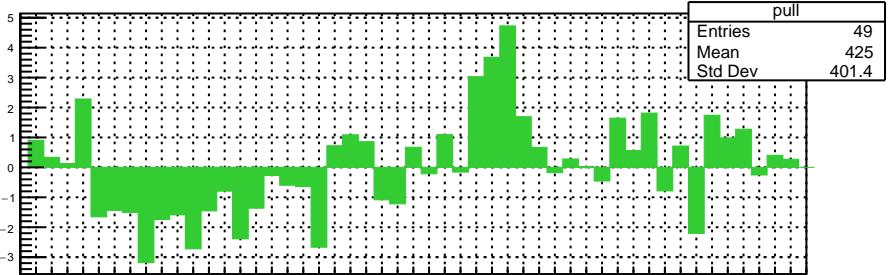
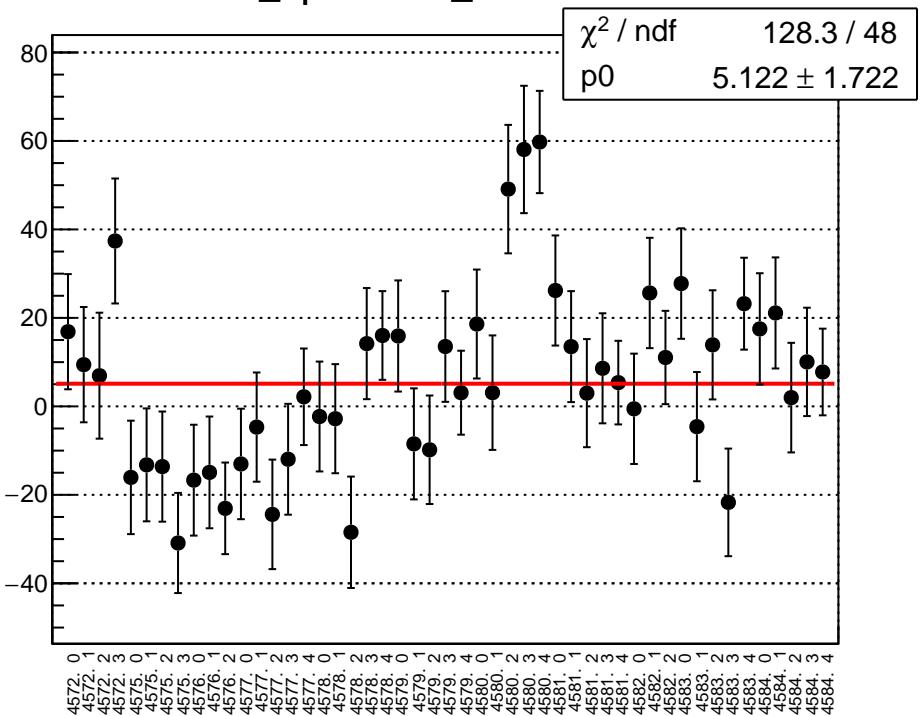
# diff\_bpm2i02X\_mean vs run



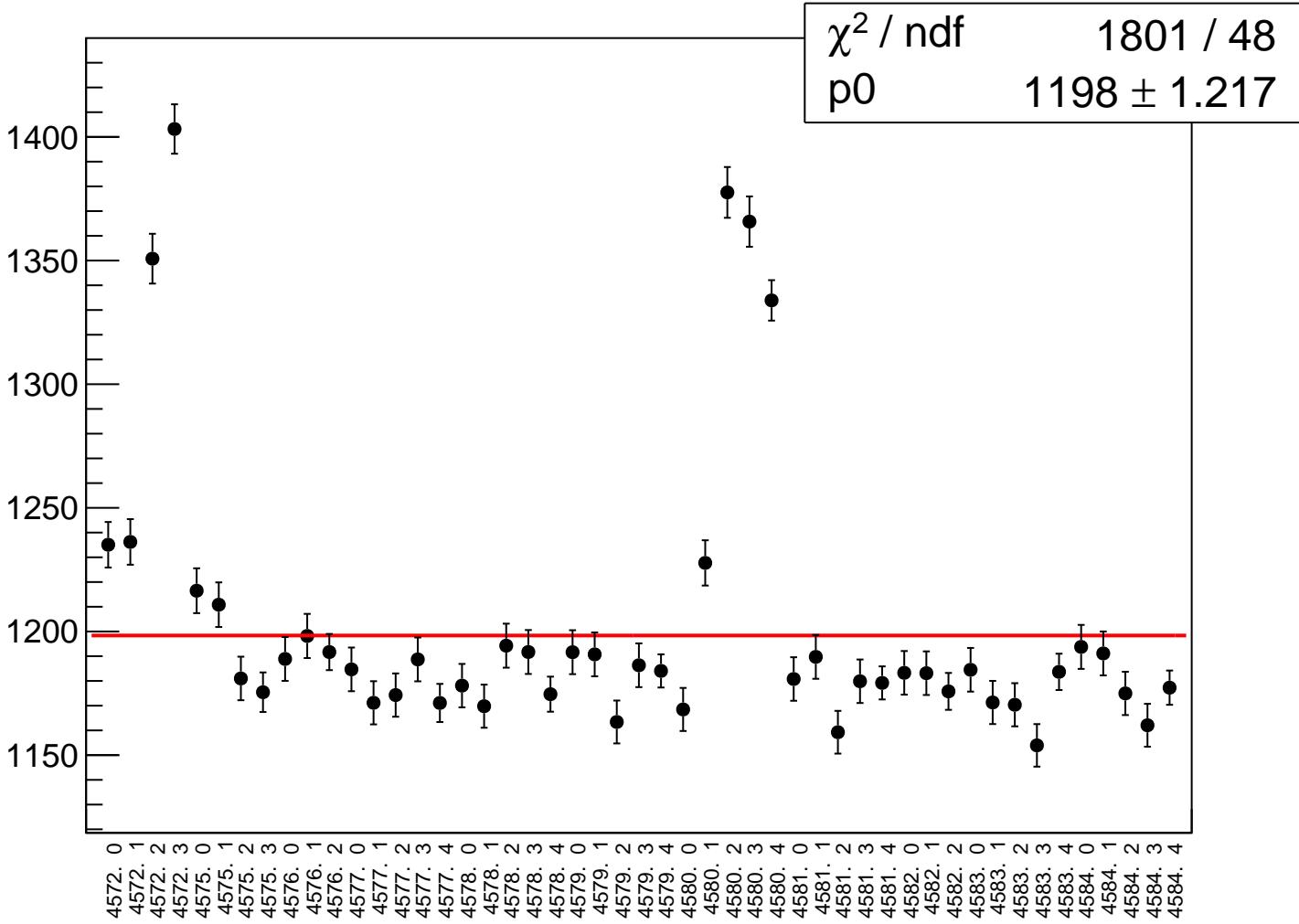
# diff\_bpm2i02X\_rms vs run



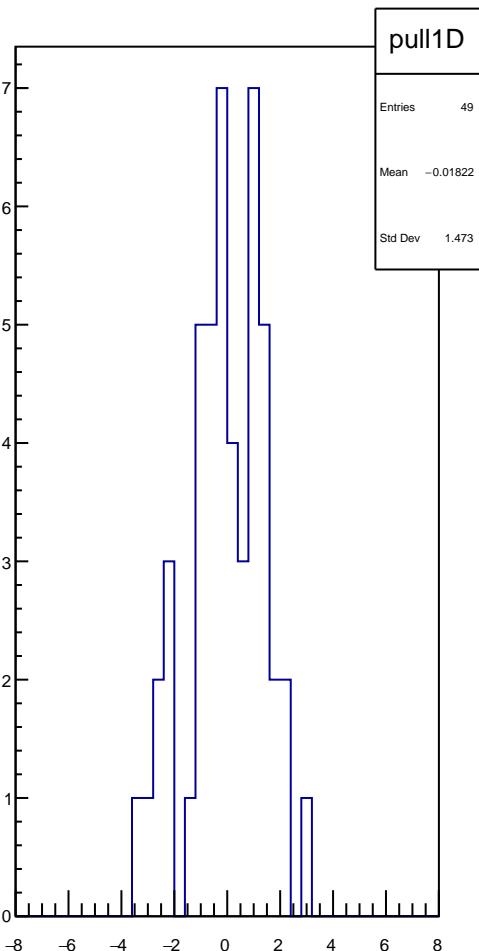
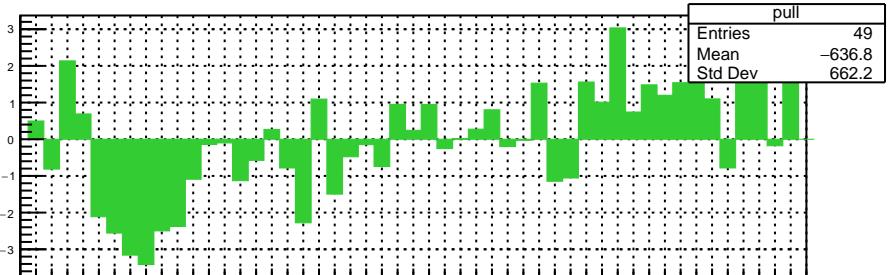
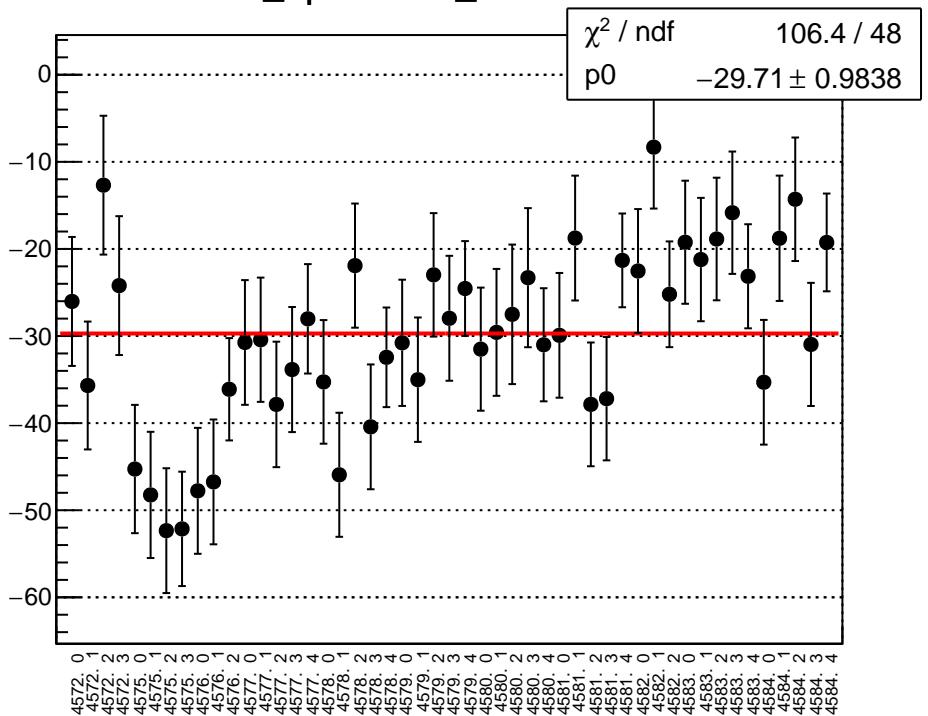
# diff\_bpm2i02Y\_mean vs run



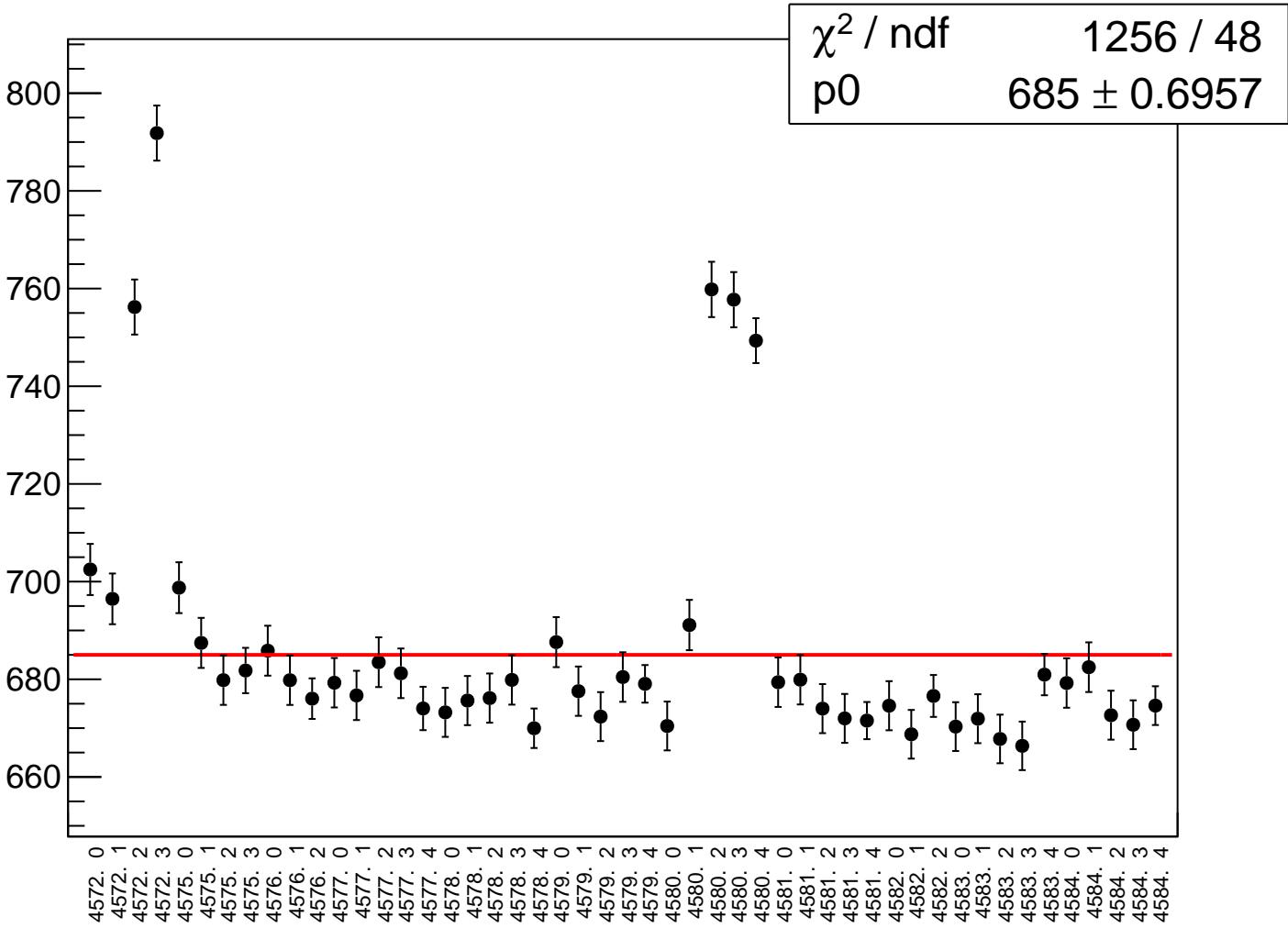
# diff\_bpm2i02Y\_rms vs run



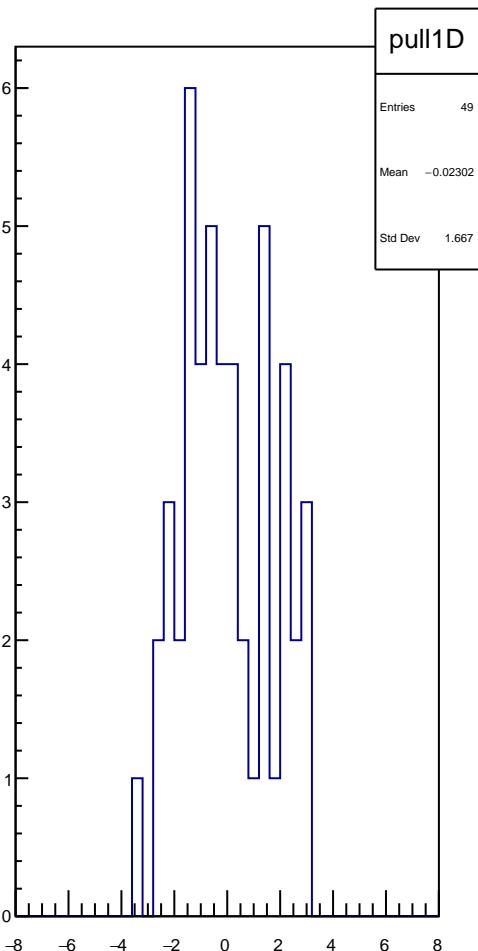
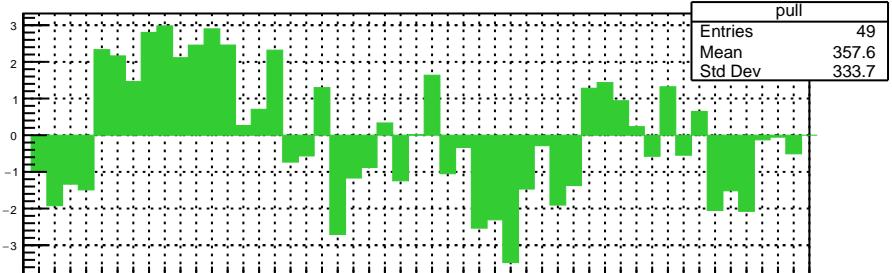
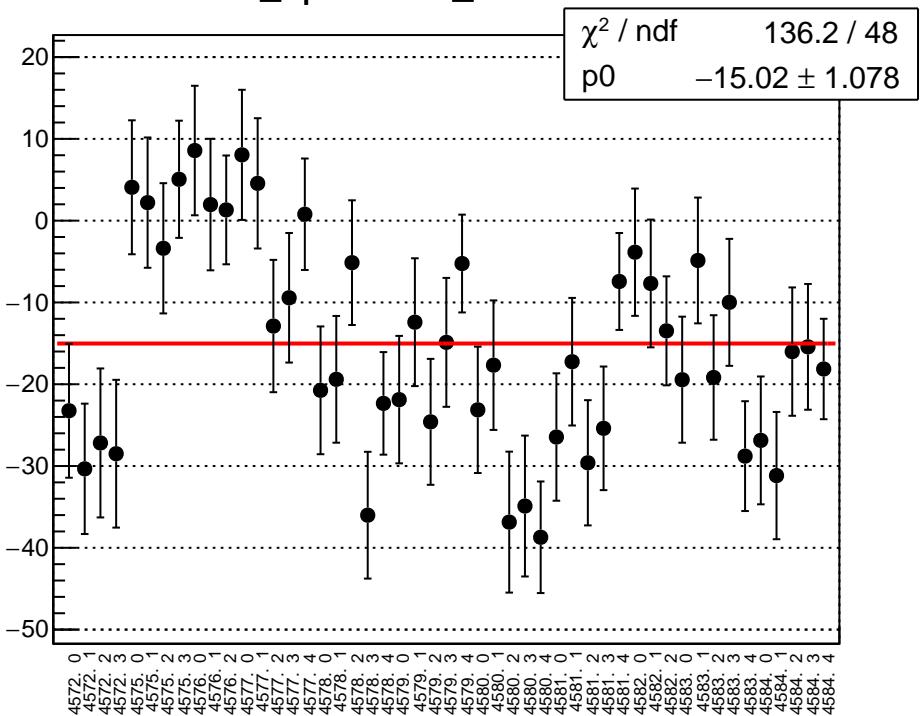
# diff\_bpm1i04X\_mean vs run



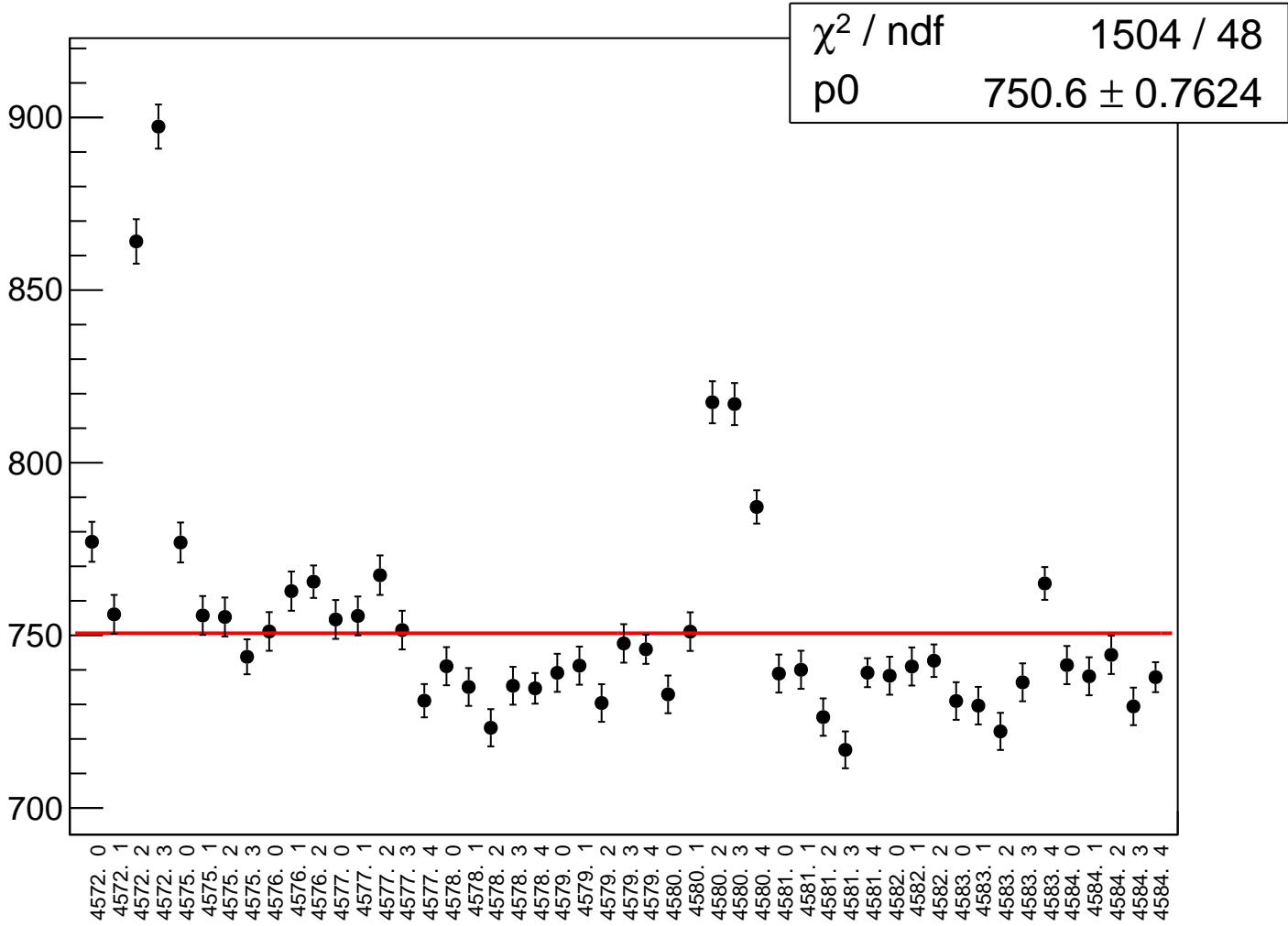
# diff\_bpm1i04X\_rms vs run



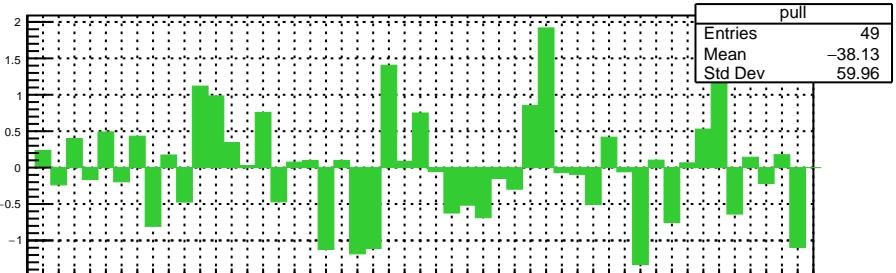
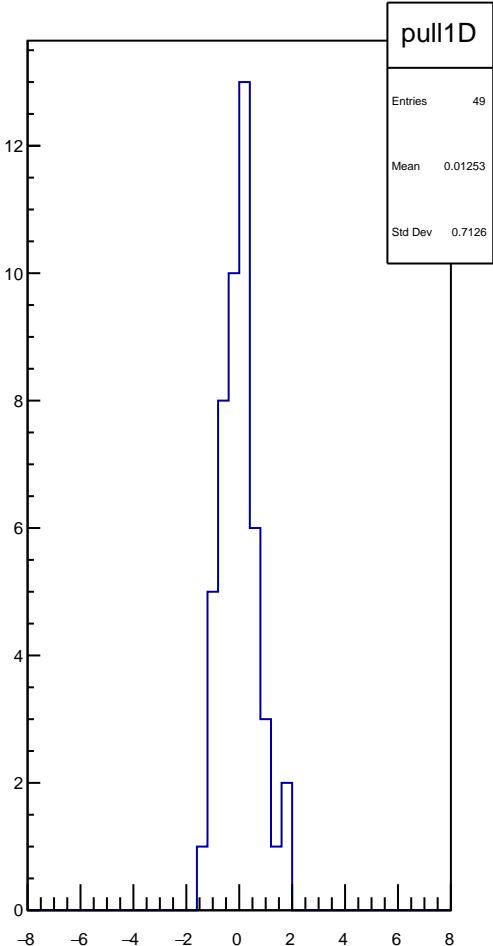
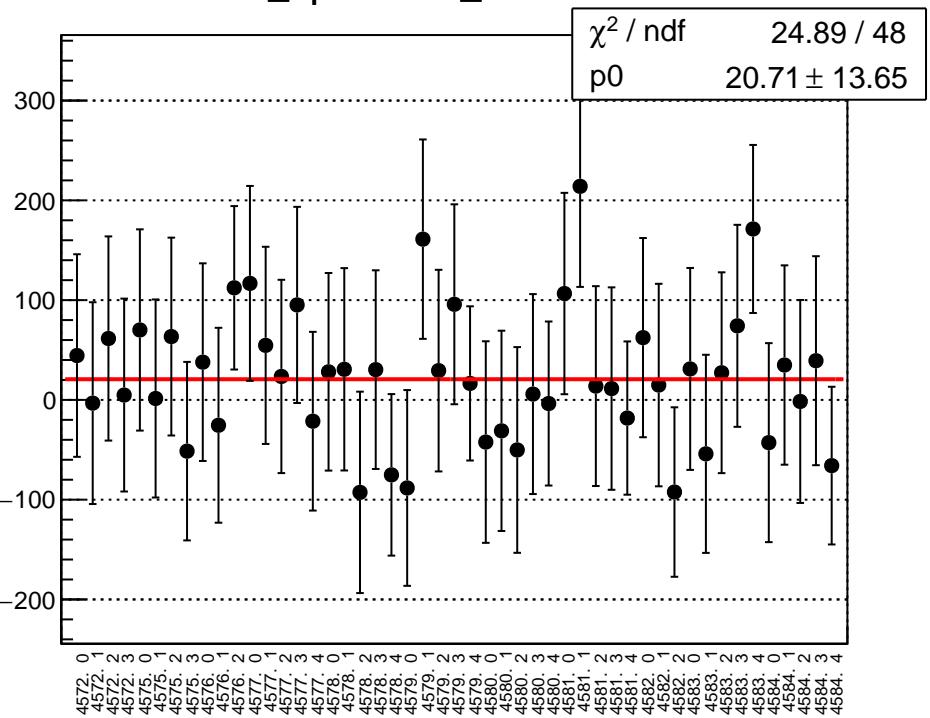
# diff\_bpm1i04Y\_mean vs run



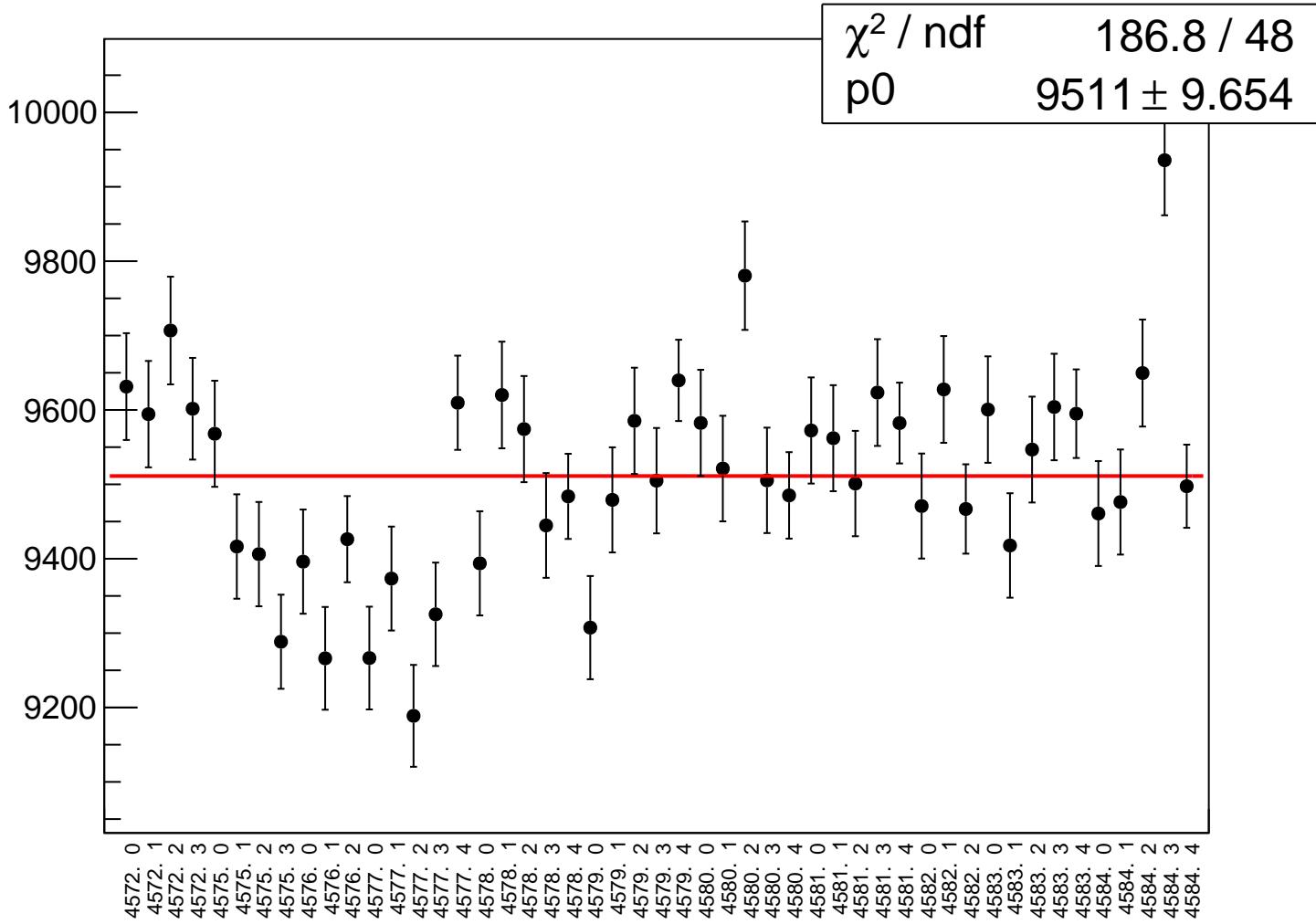
# diff\_bpm1i04Y\_rms vs run



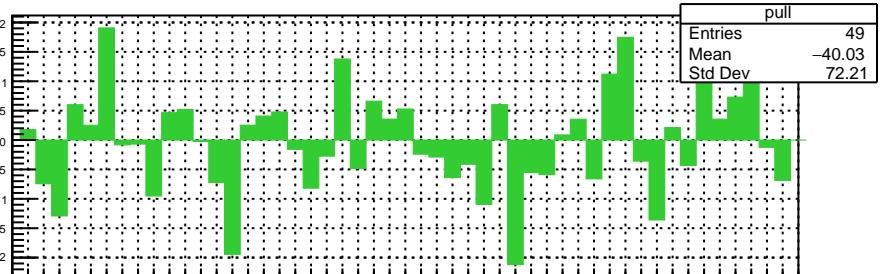
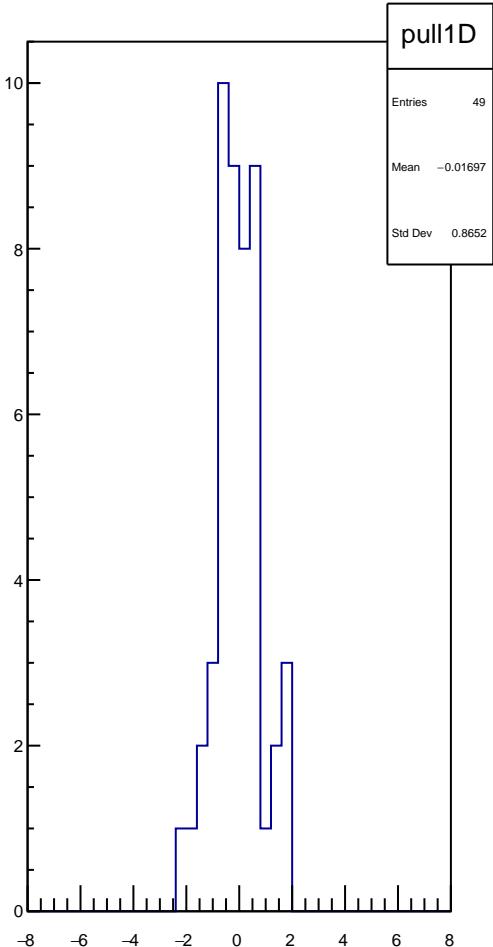
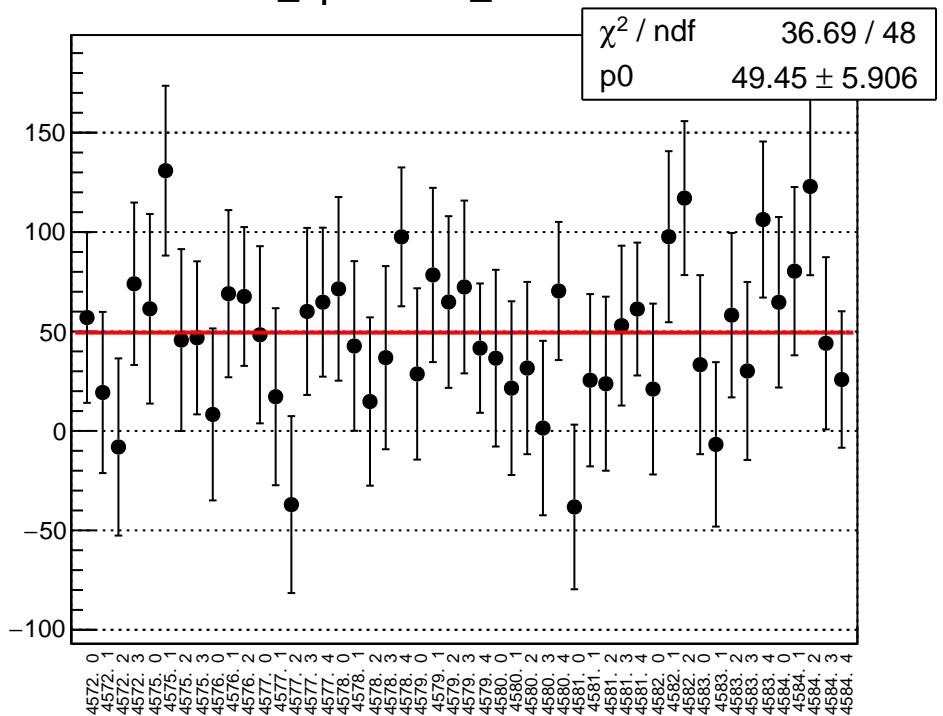
# diff\_bpm0l02X\_mean vs run



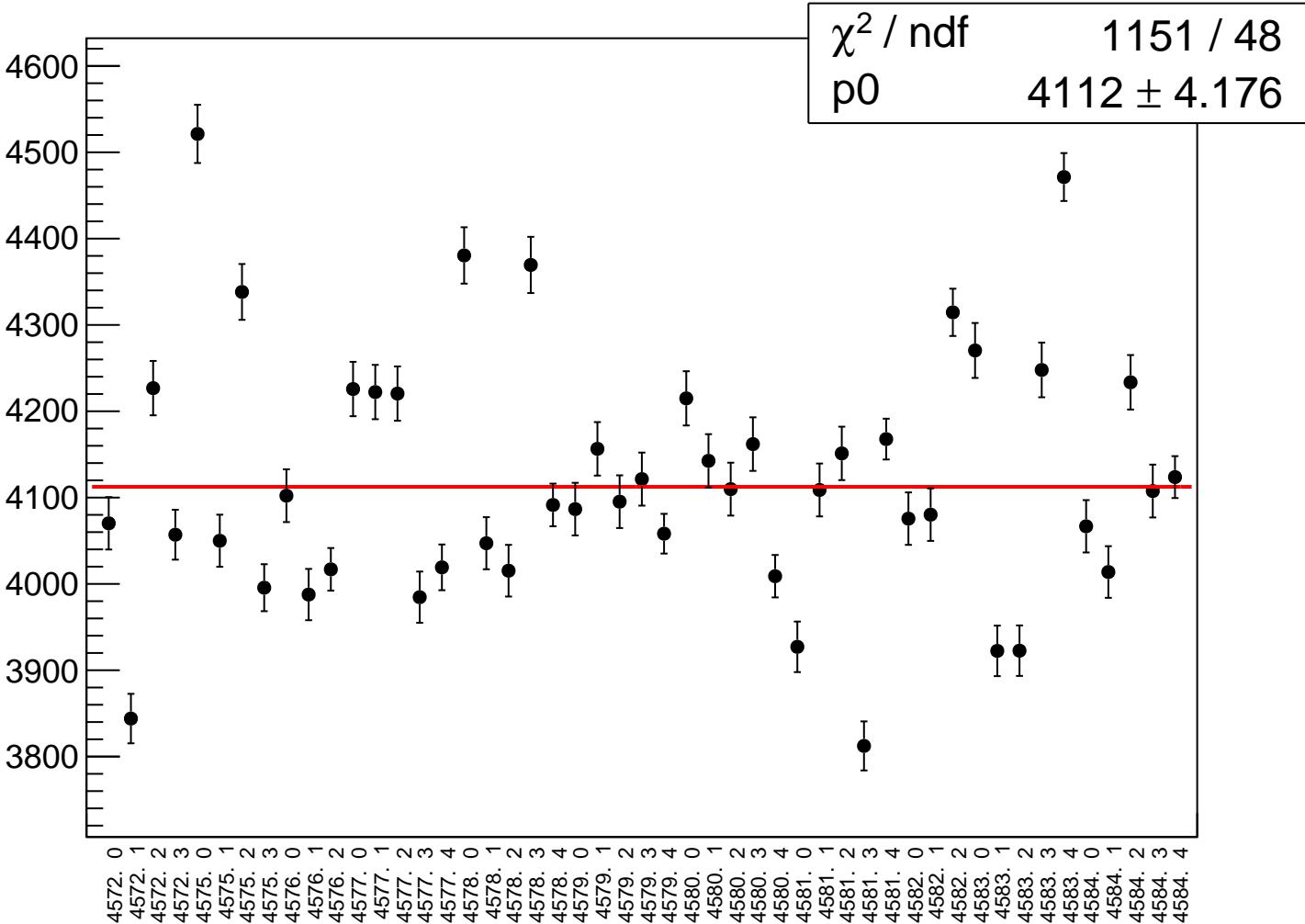
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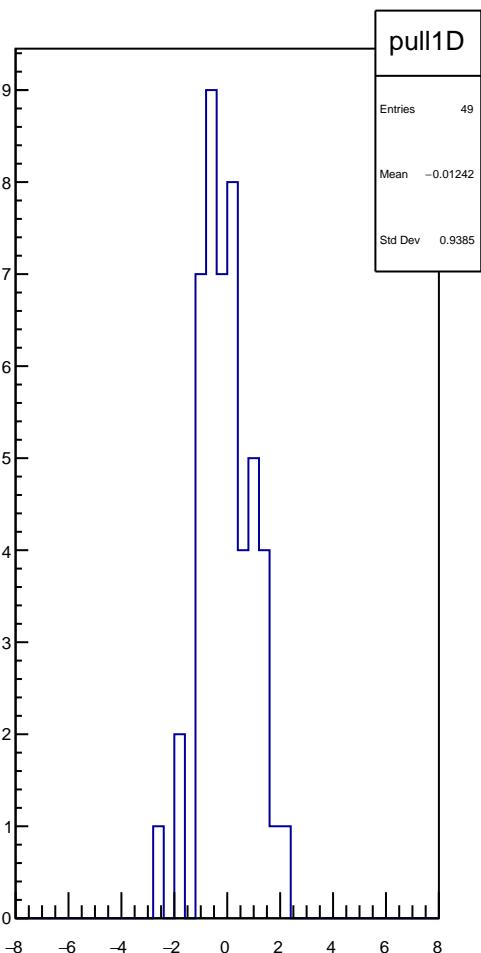
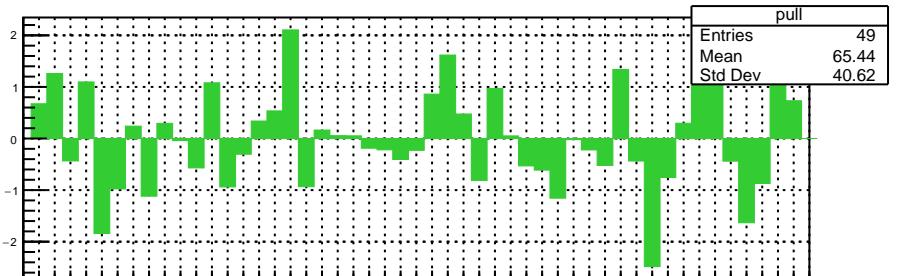
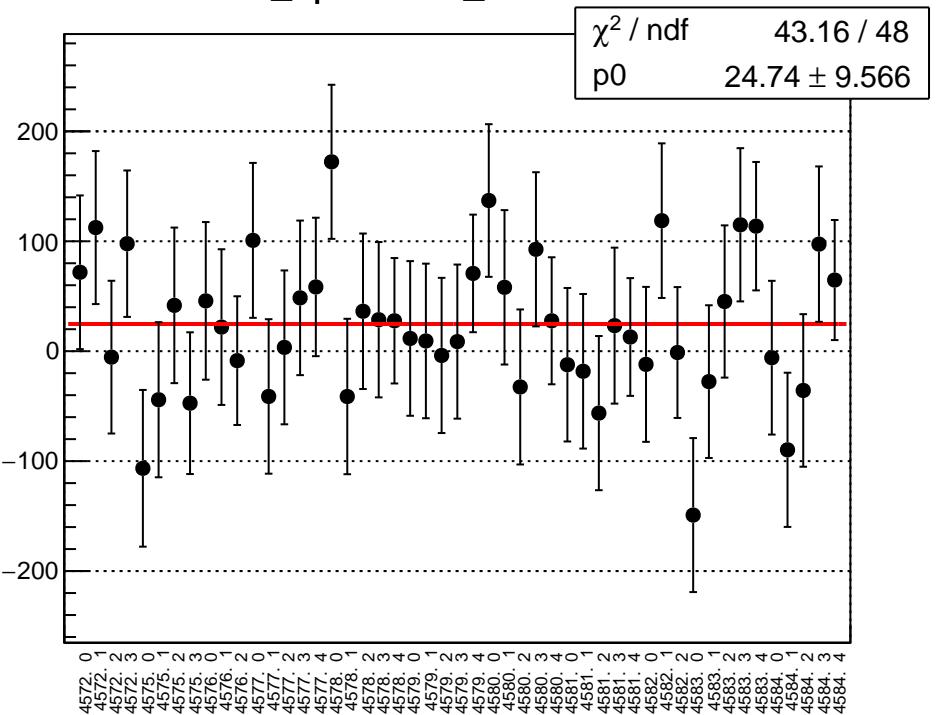
# diff\_bpm0l02Y\_mean vs run



# diff\_bpm0I02Y\_rms vs run



# diff\_bpm0l03X\_mean vs run



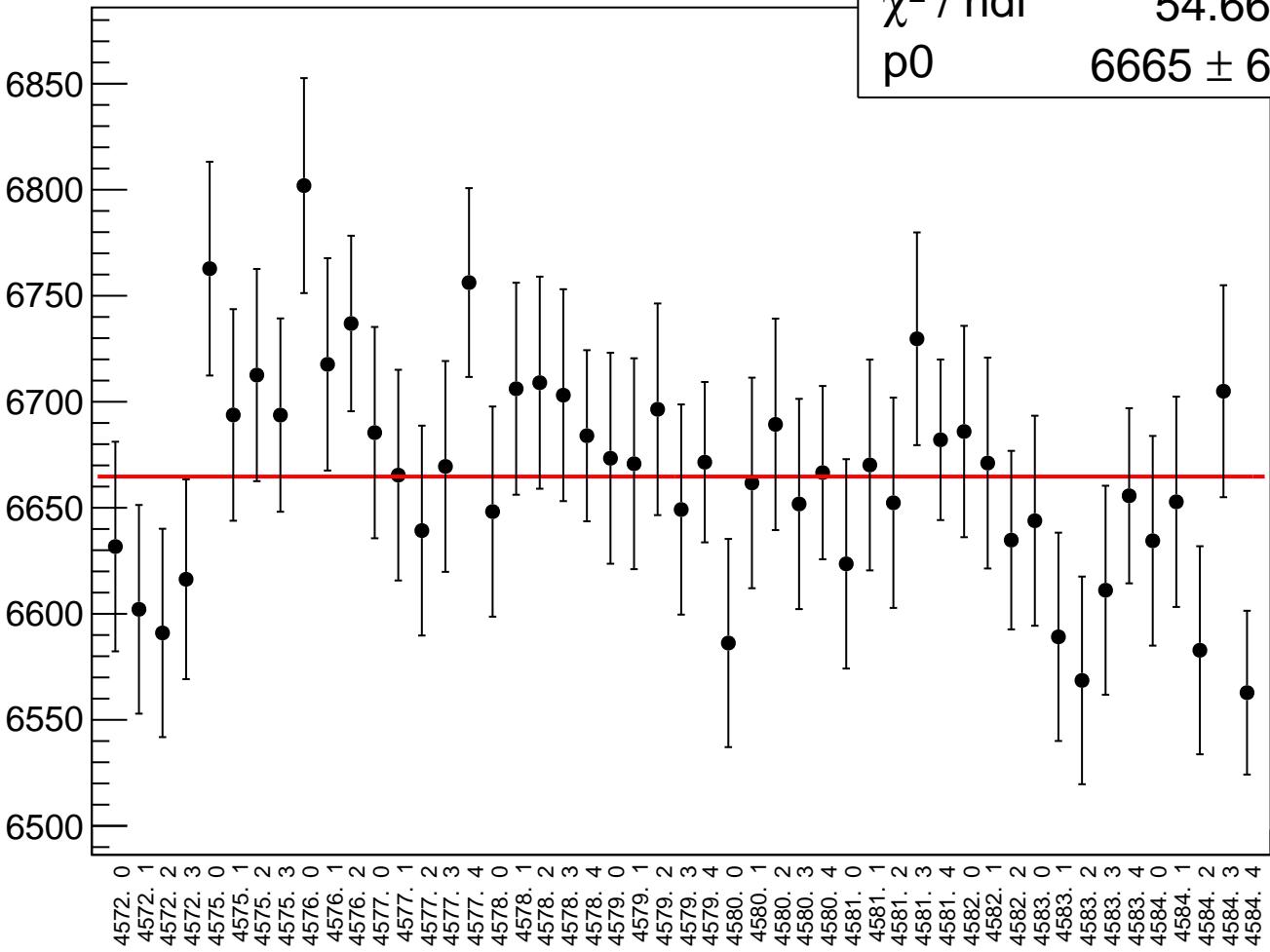
# diff\_bpmon03X\_rms vs run

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

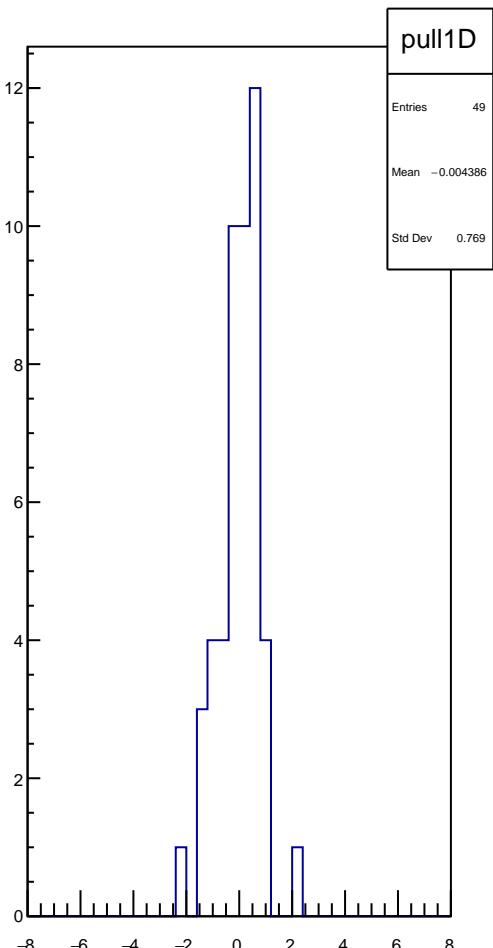
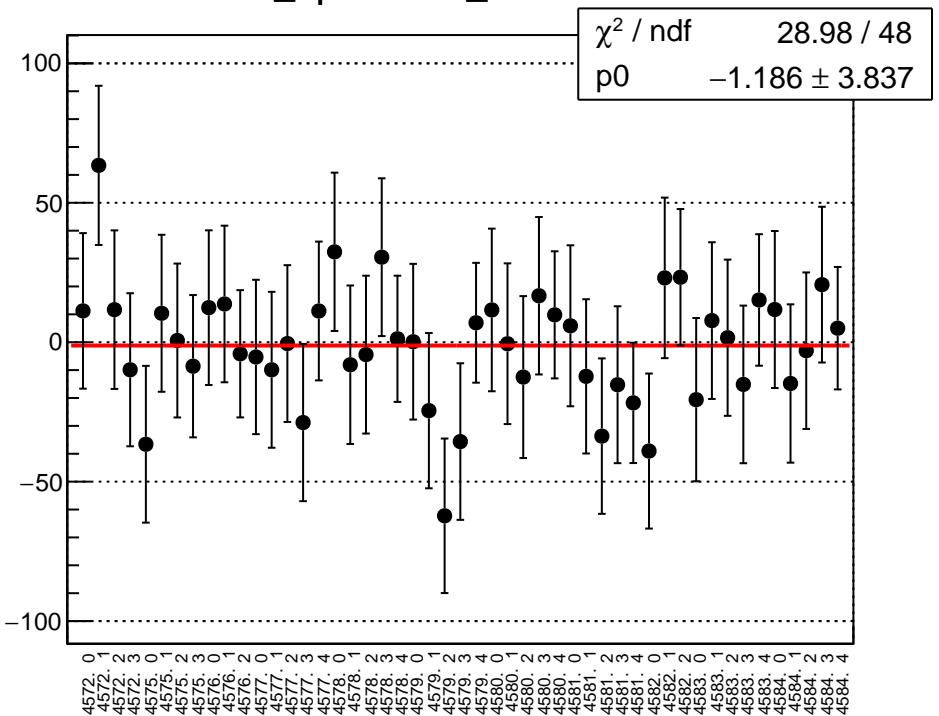
54.66 / 48

p0

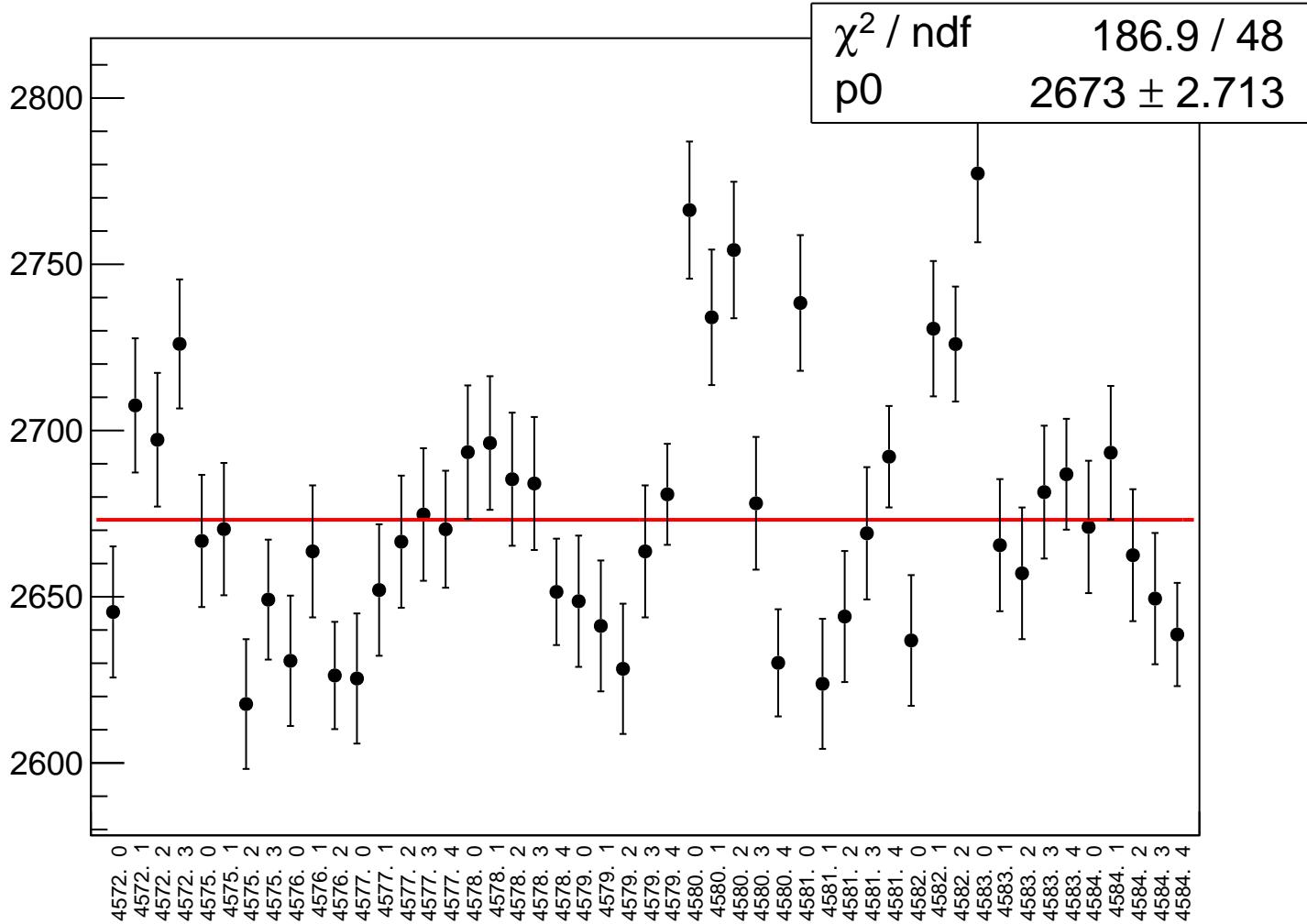
$6665 \pm 6.764$



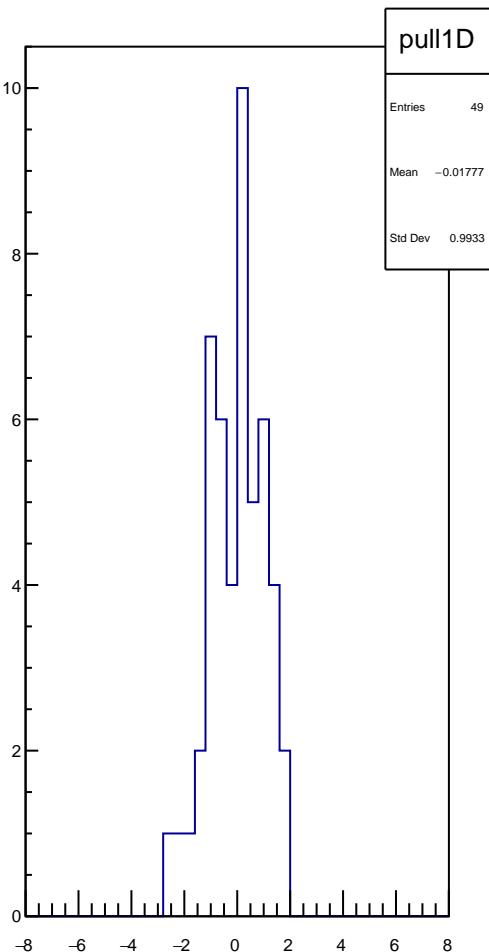
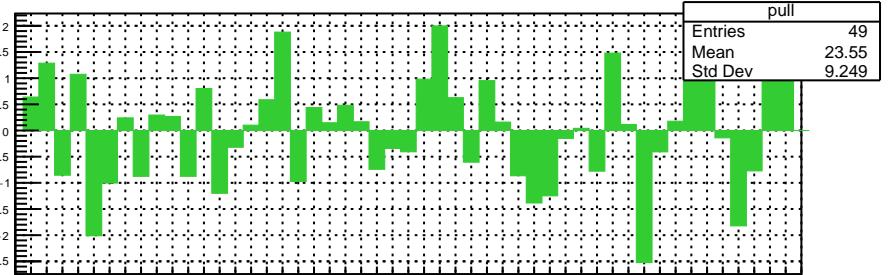
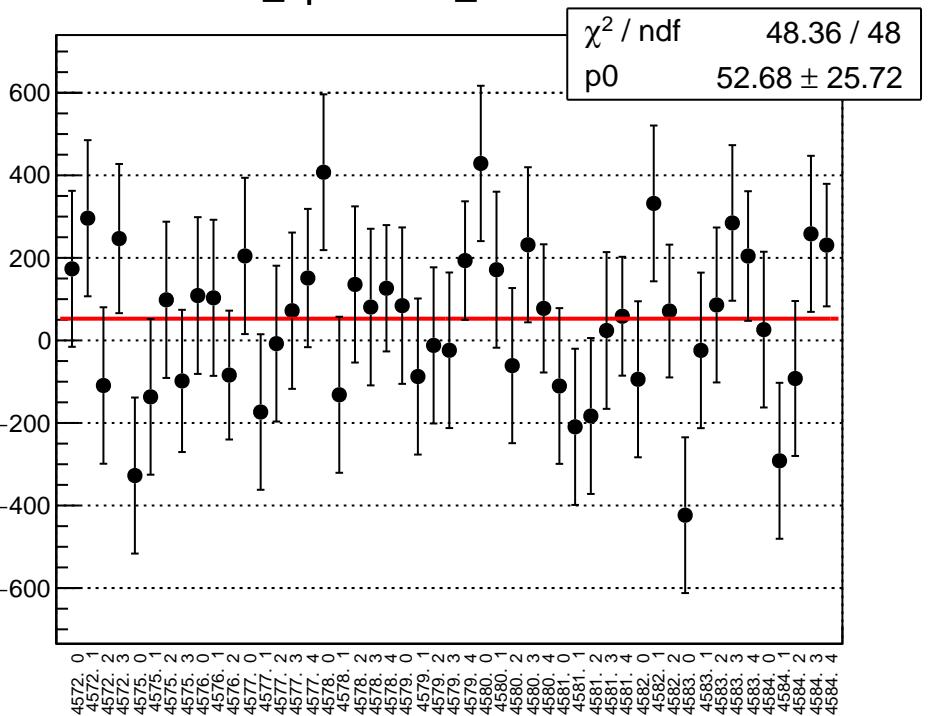
# diff\_bpm0l03Y\_mean vs run



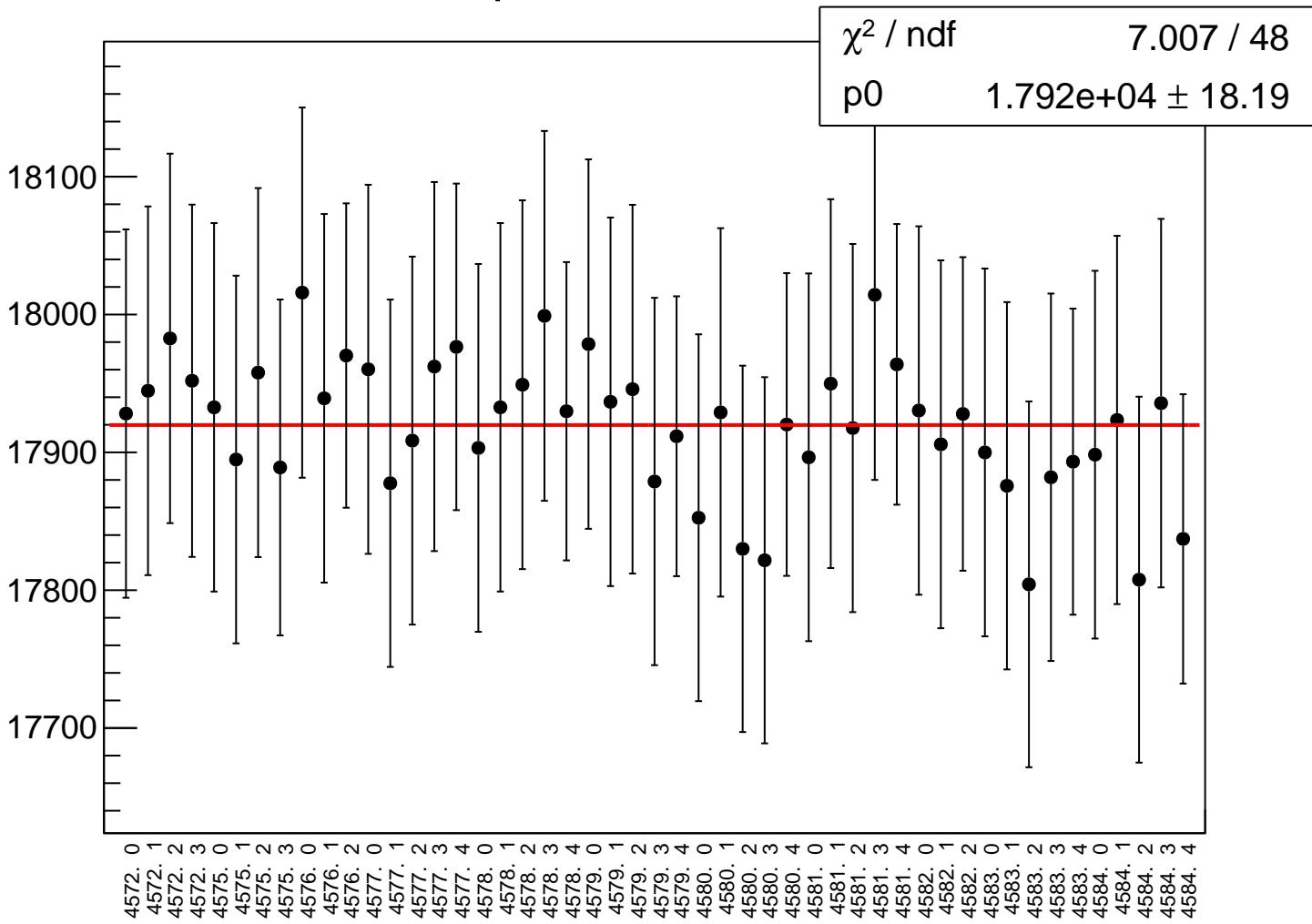
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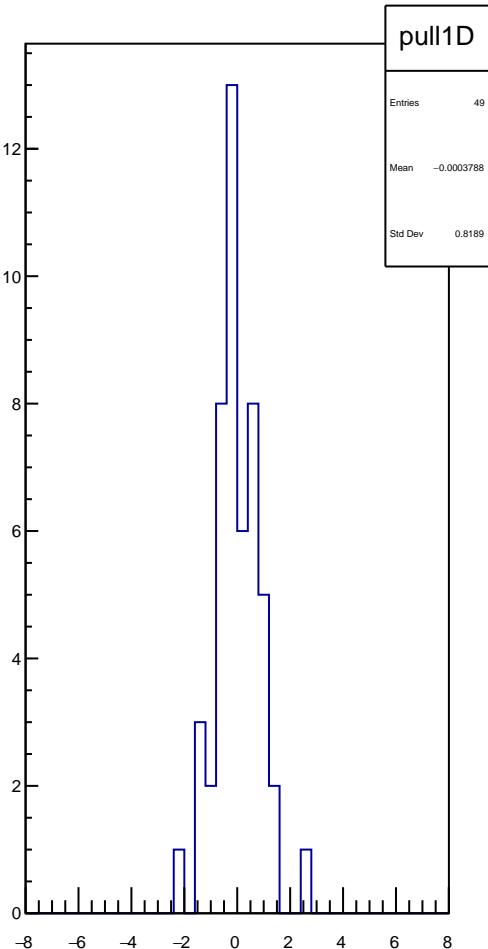
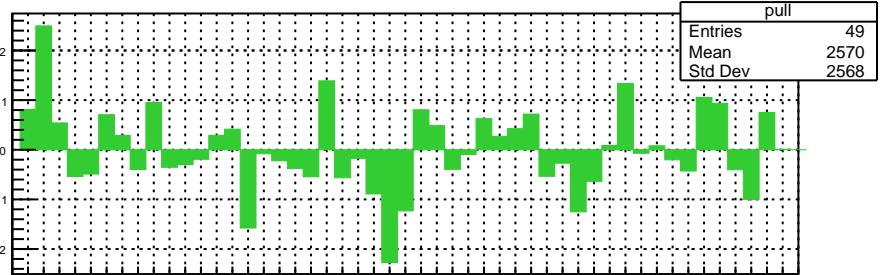
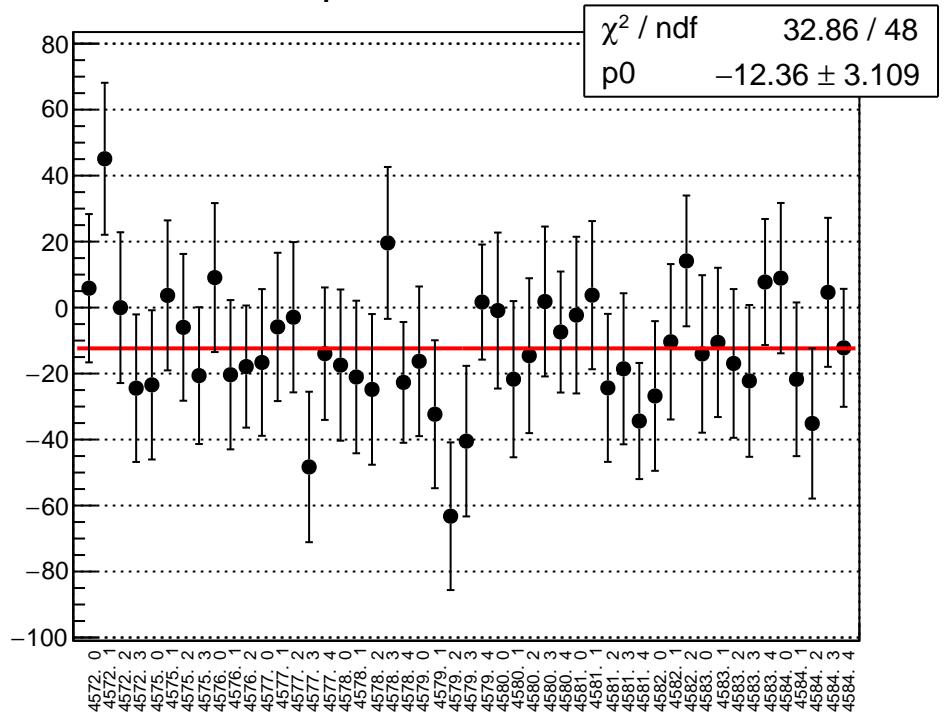
# diff\_bpm0l04X\_mean vs run



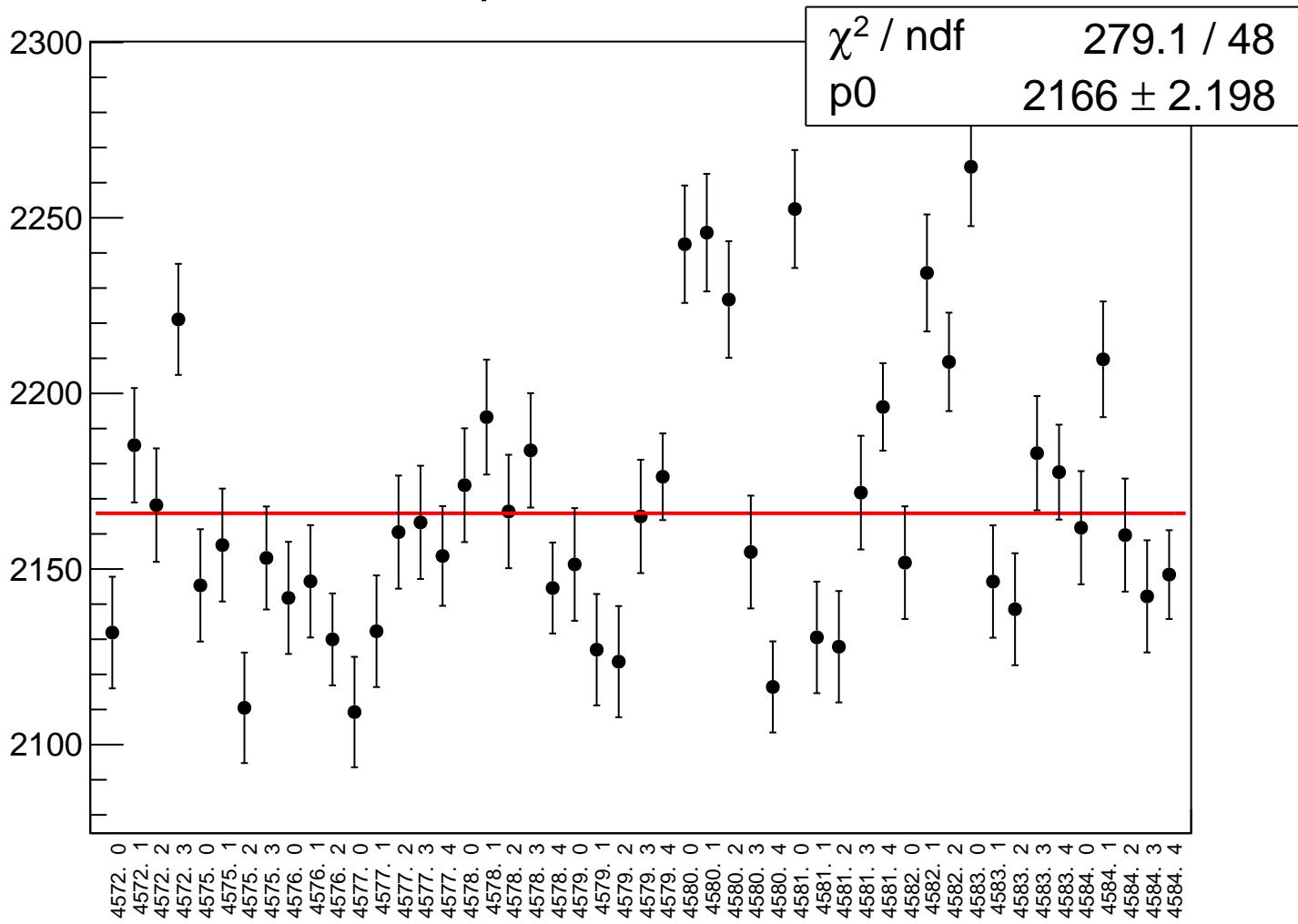
# diff\_bpm0I04X\_rms vs run



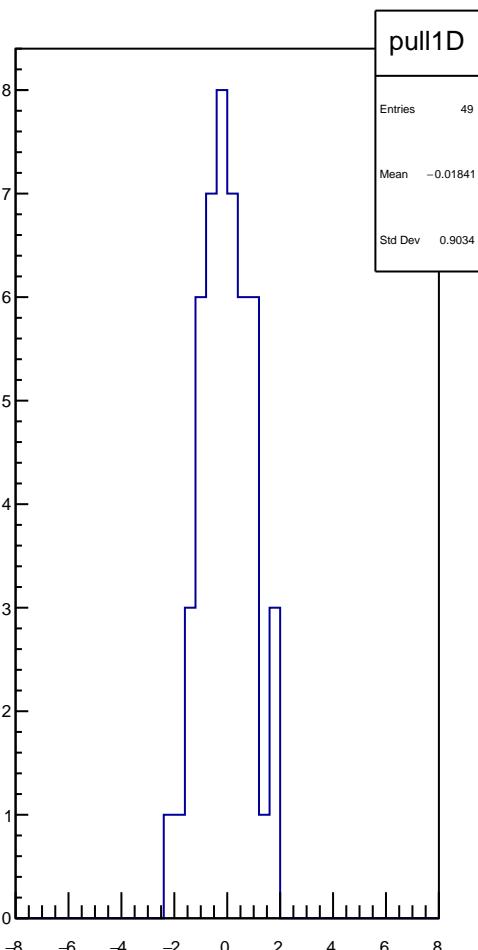
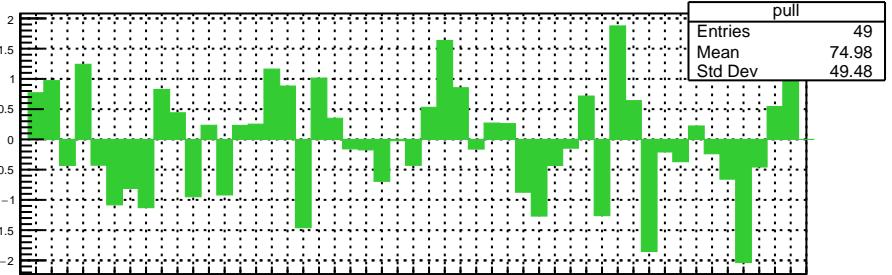
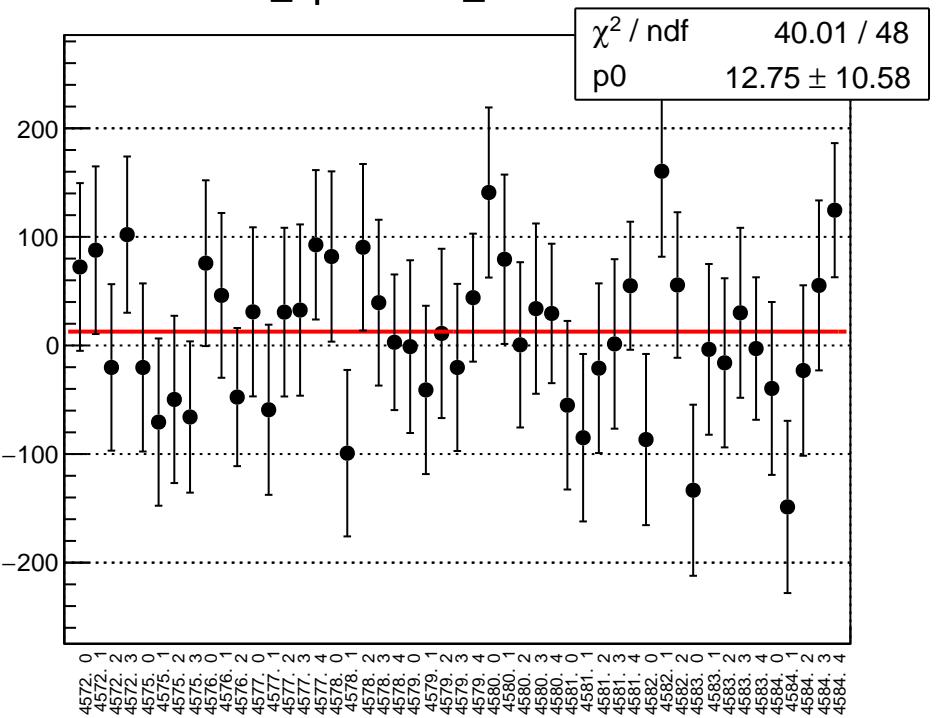
# diff\_bpm0l04Y\_mean vs run



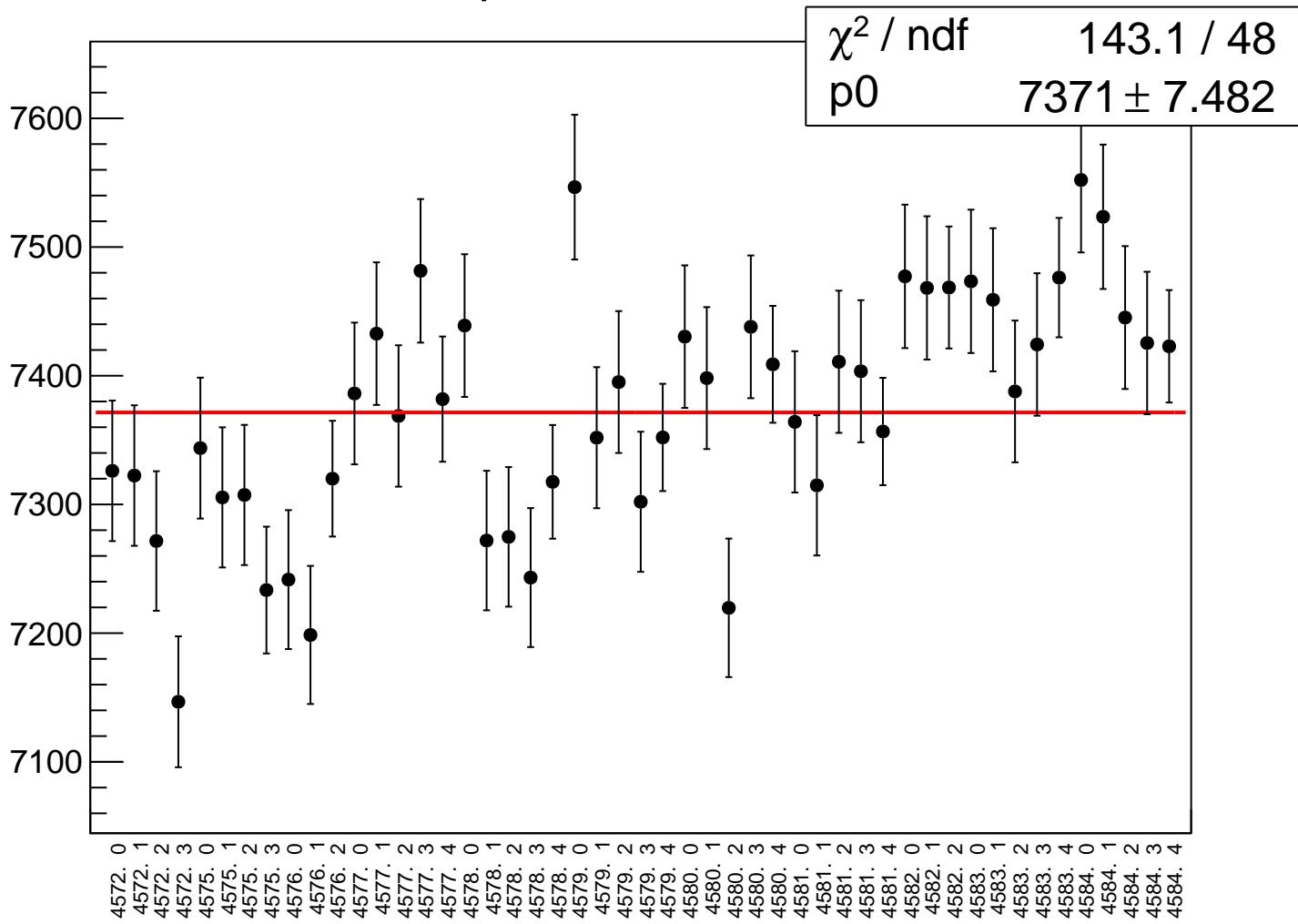
# diff\_bpm0I04Y\_rms vs run



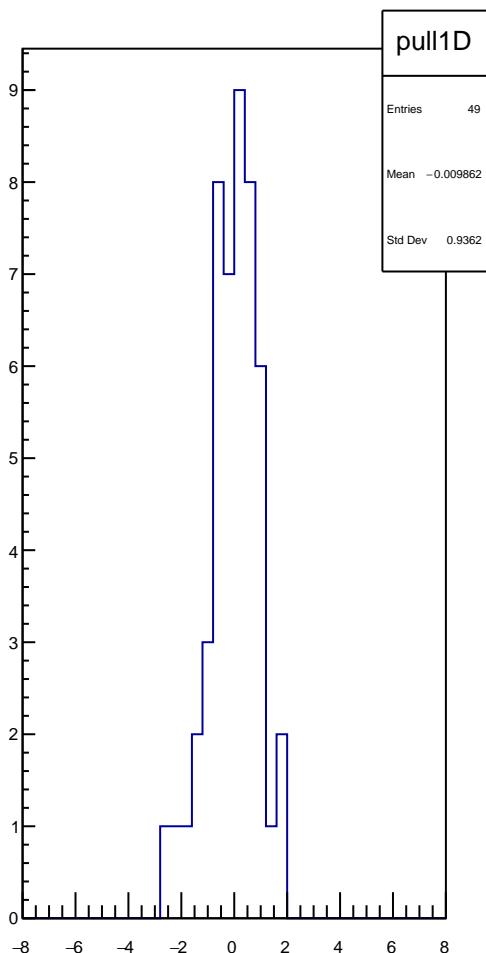
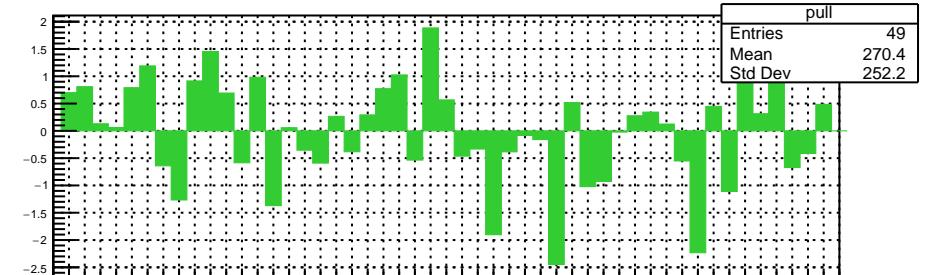
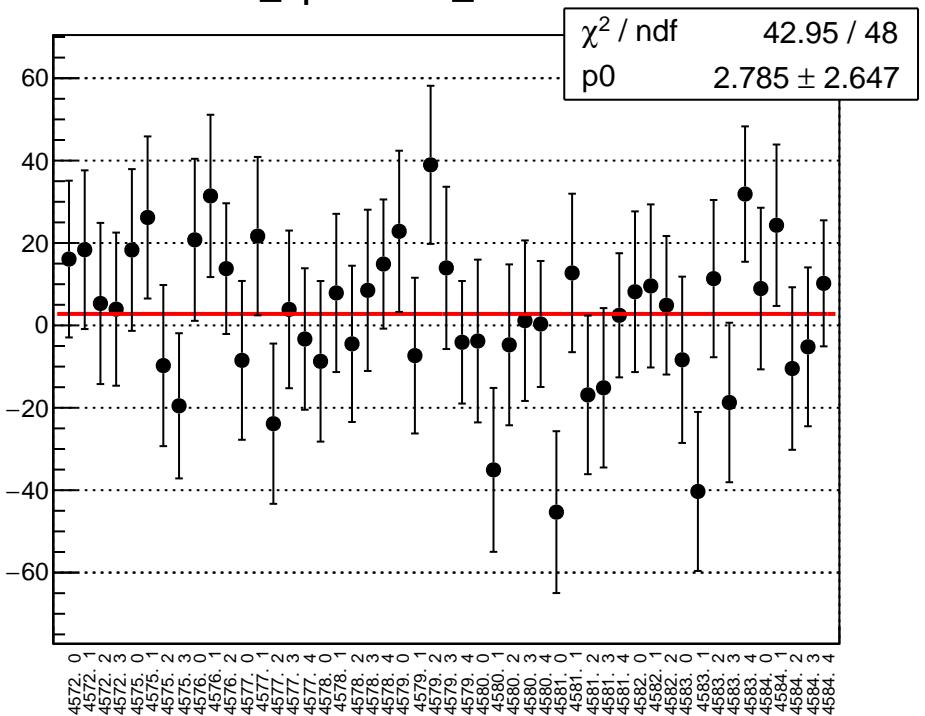
# diff\_bpm0l05X\_mean vs run



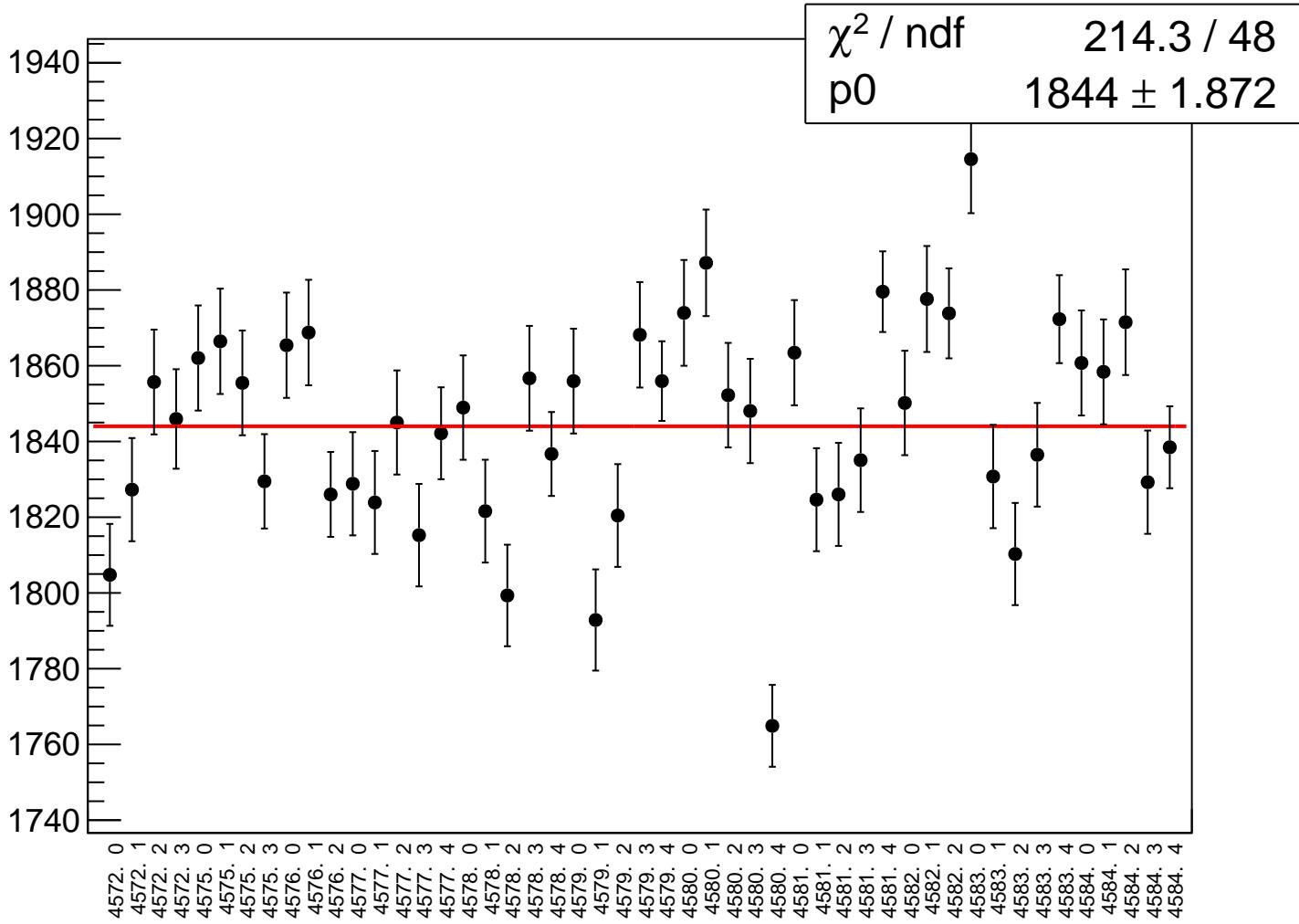
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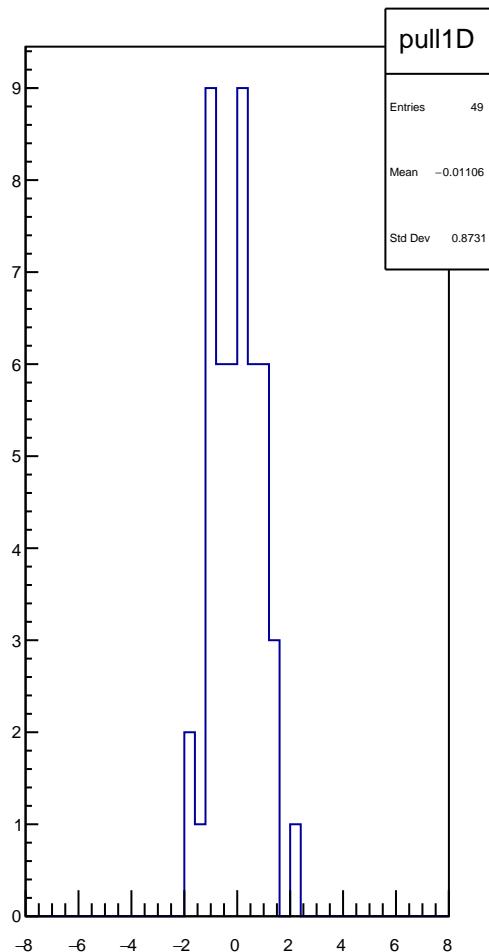
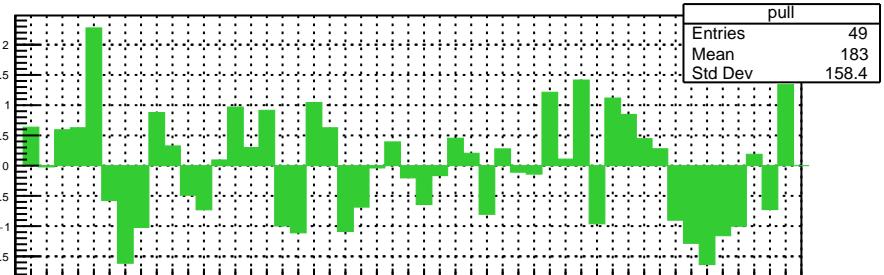
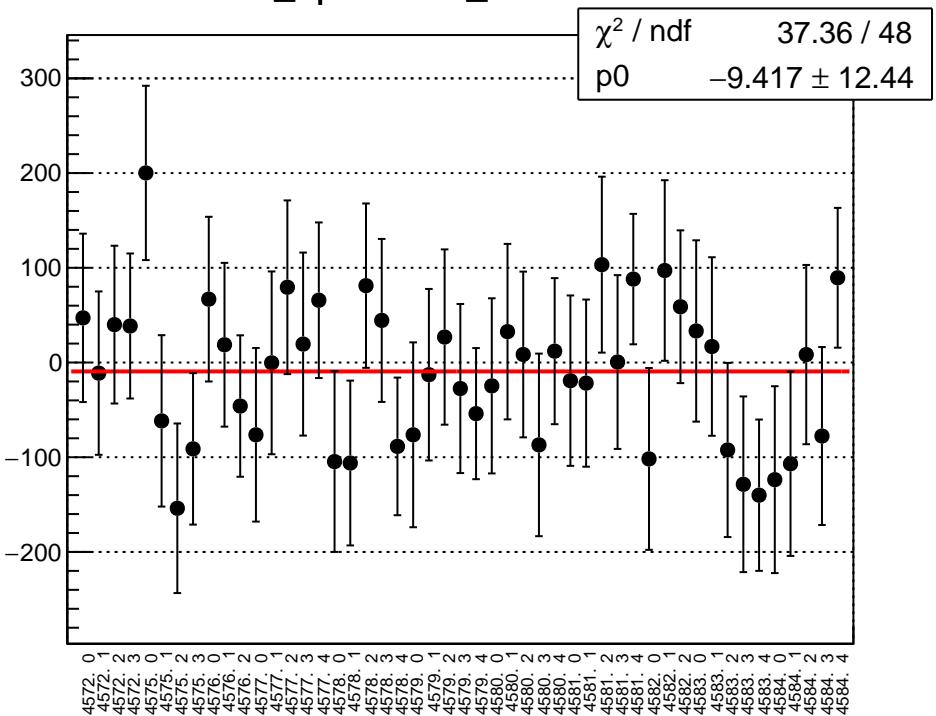
# diff\_bpm0l05Y\_mean vs run



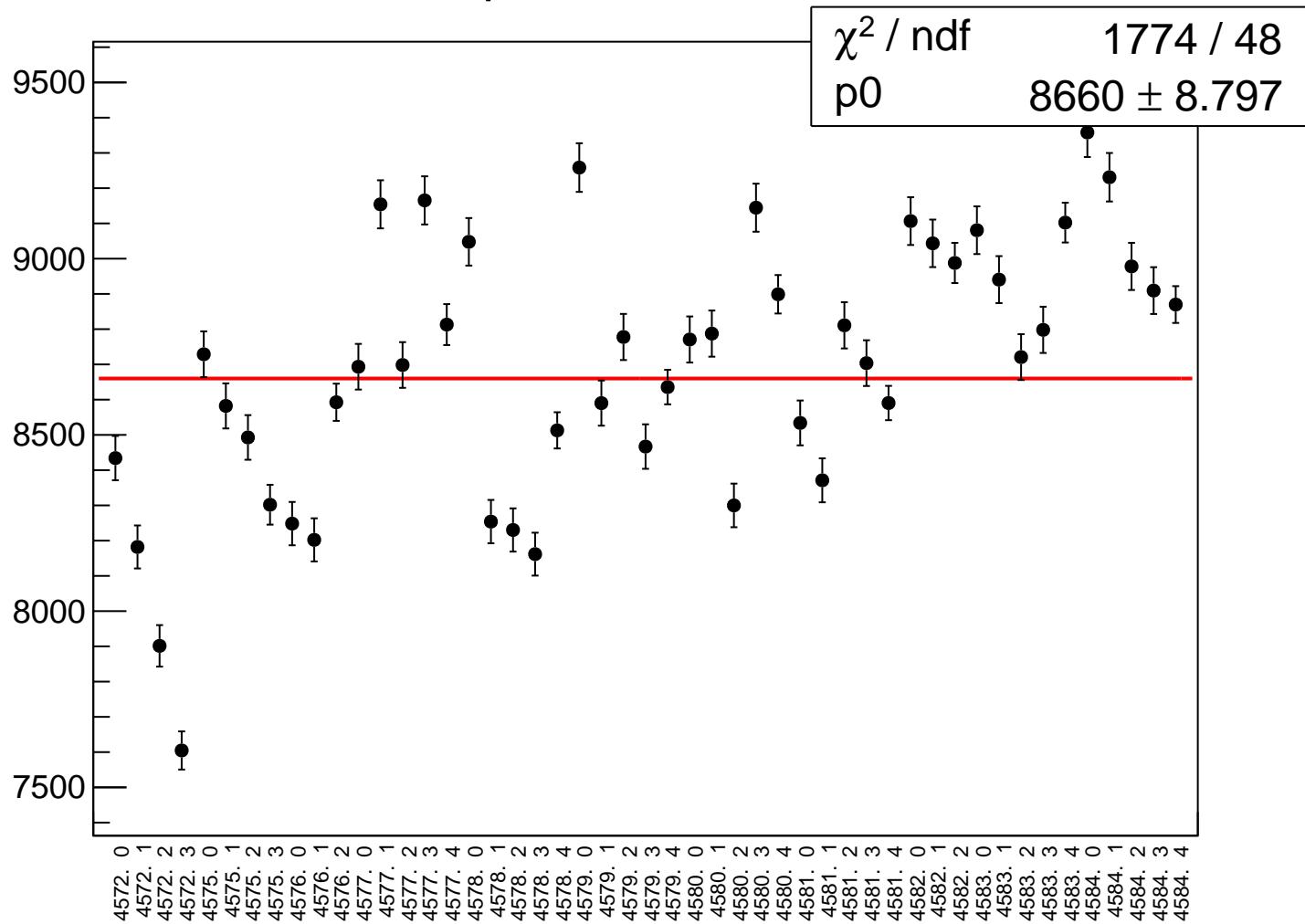
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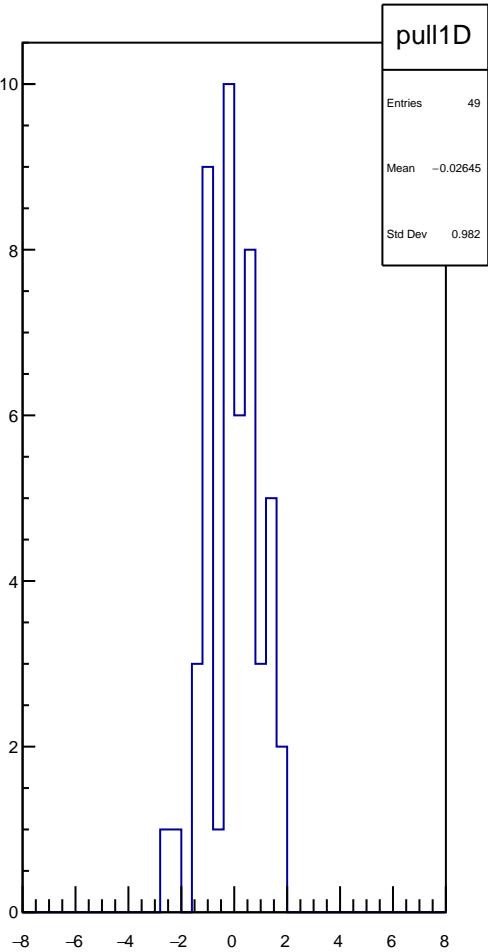
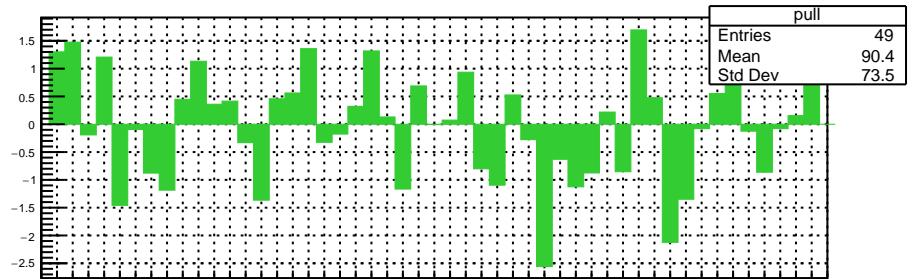
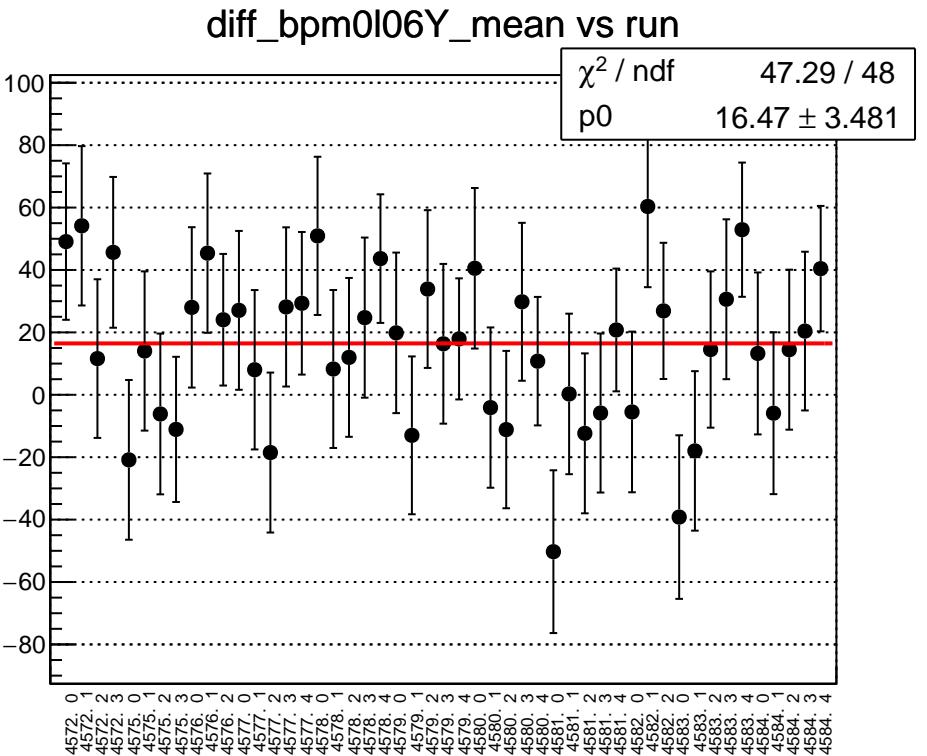


# diff\_bpm0l06X\_mean vs run

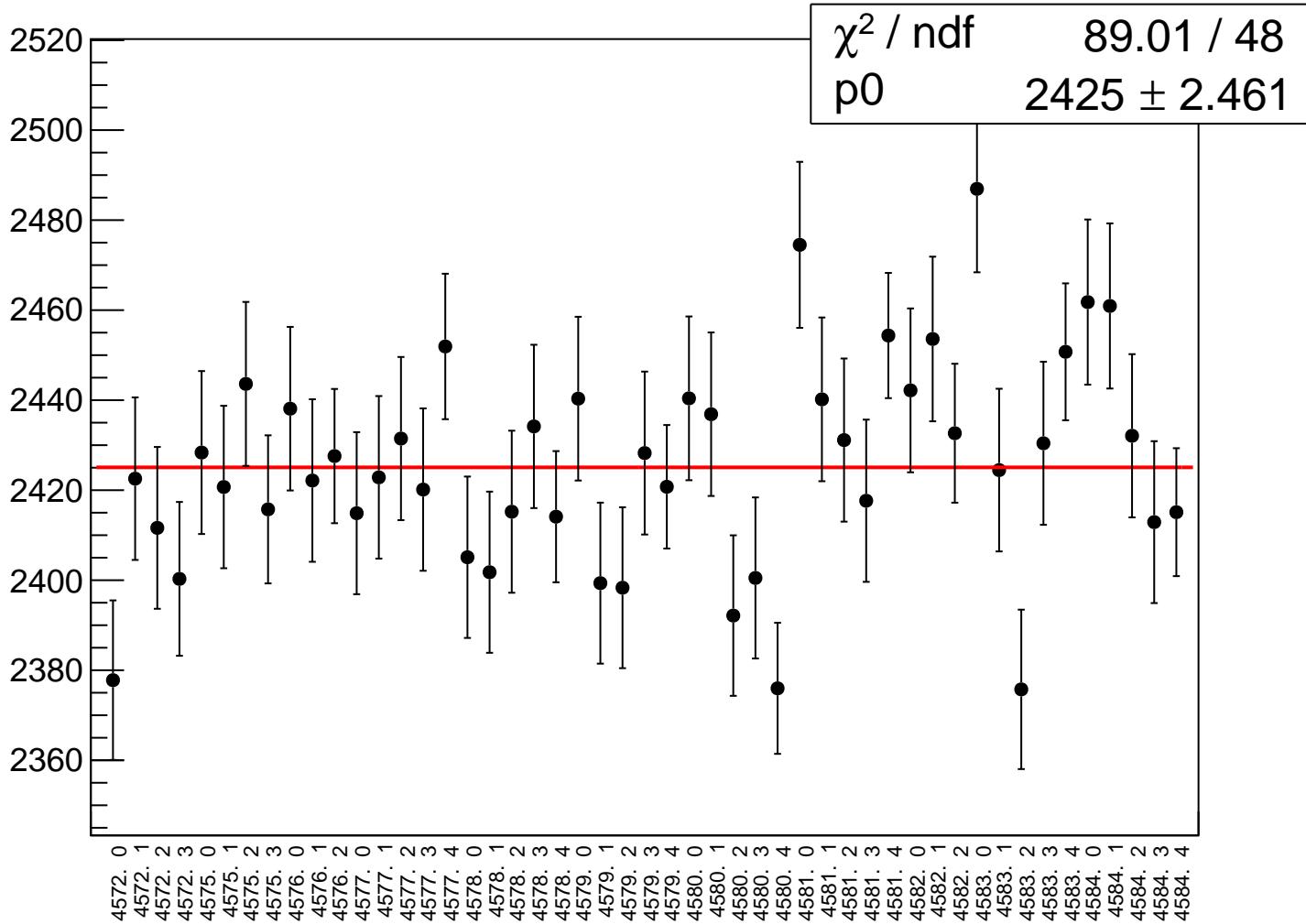


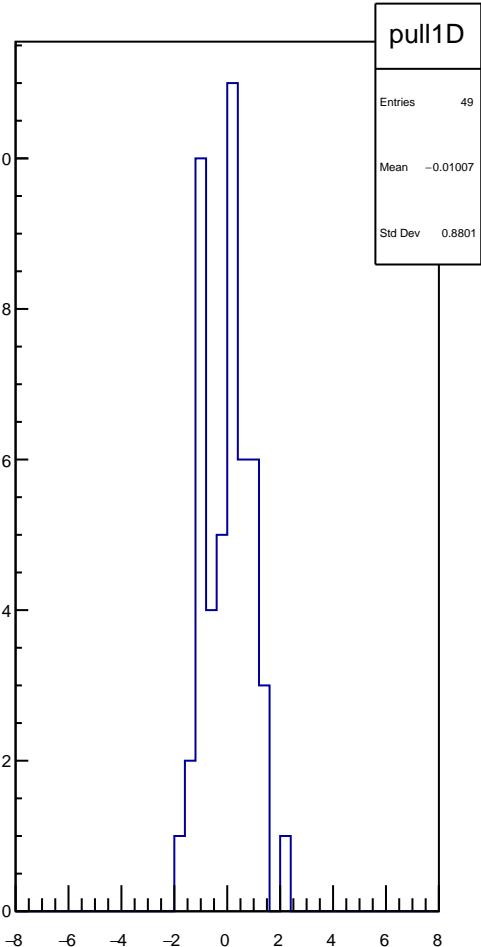
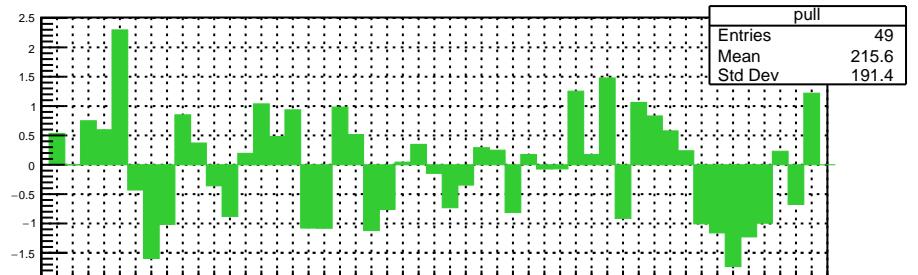
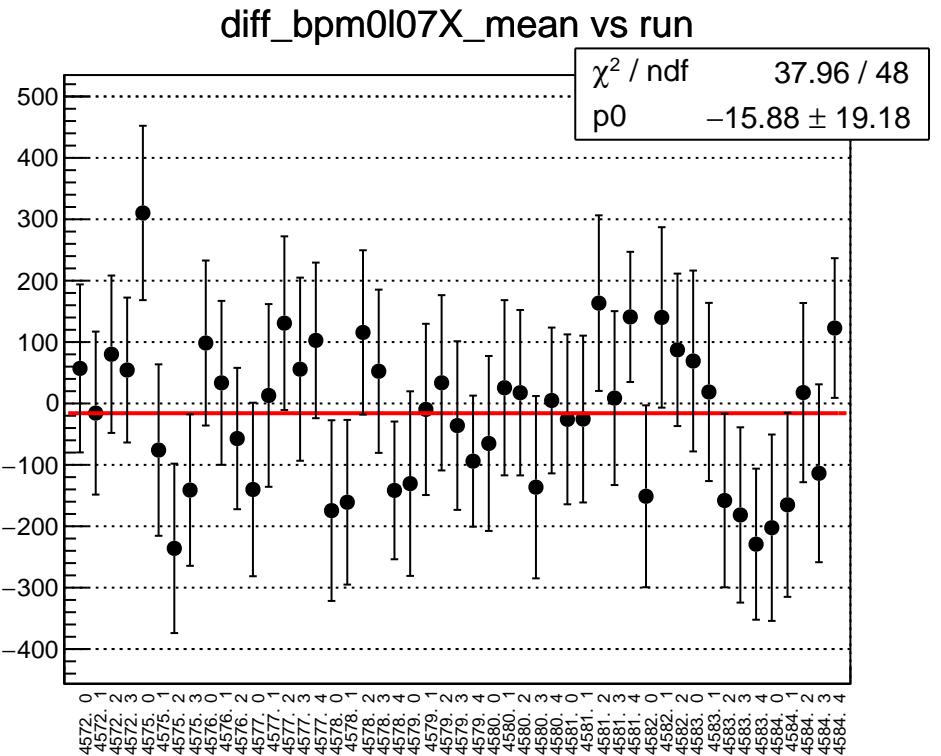
# diff\_bpm0I06X\_rms vs run



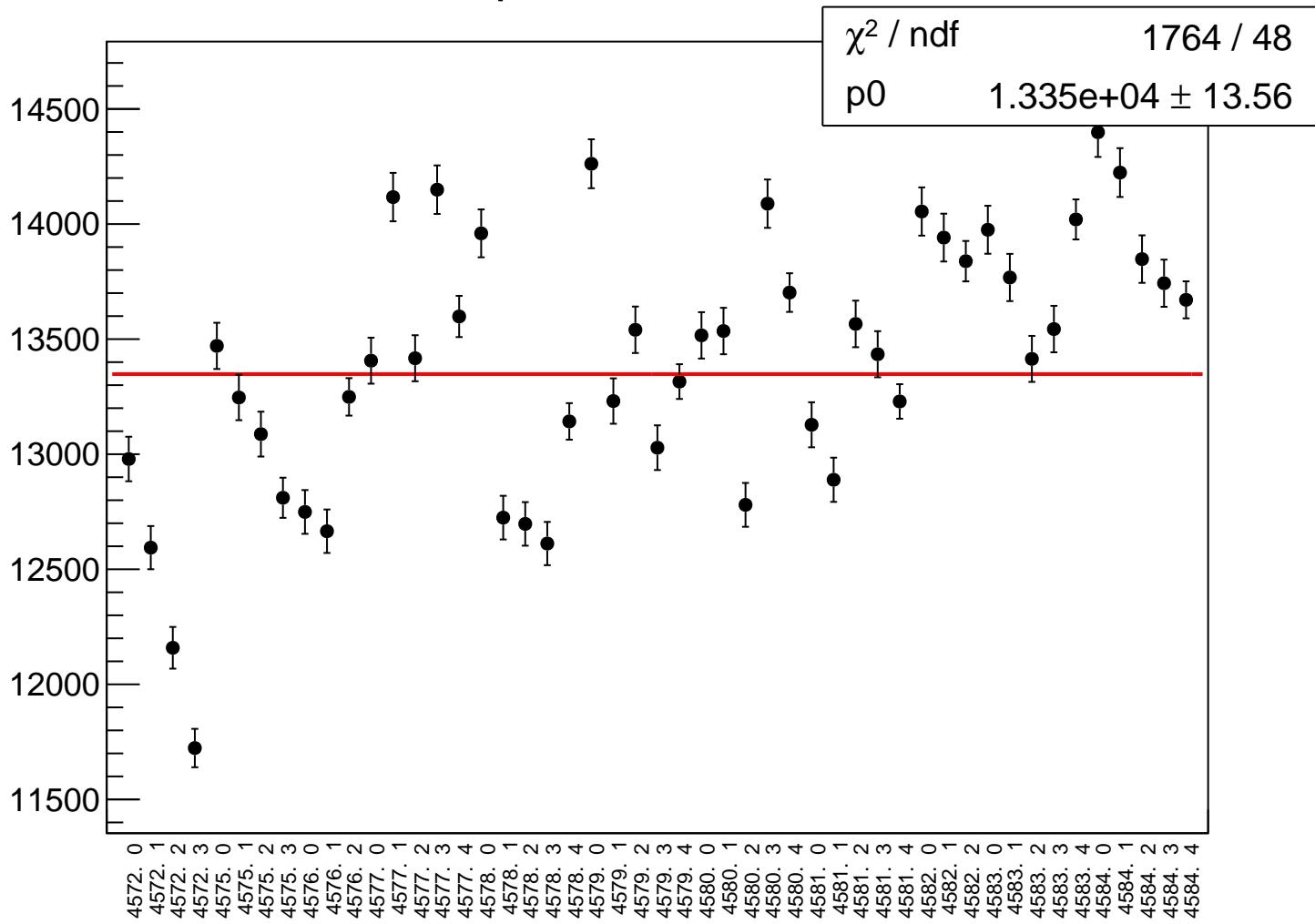


# diff\_bpmon06Y\_rms vs run

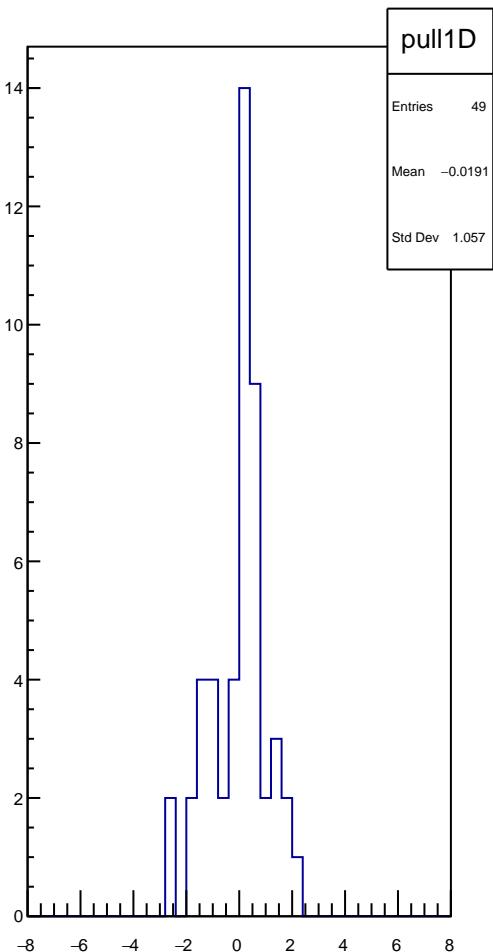
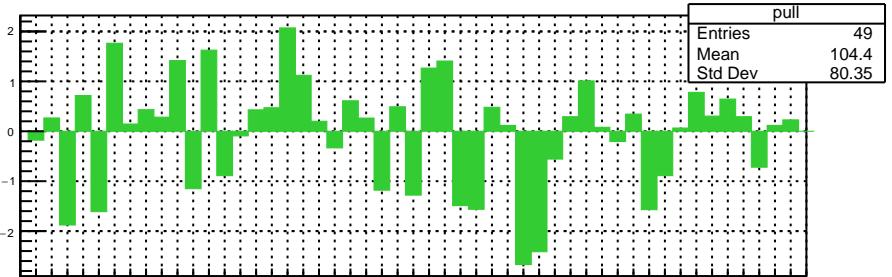
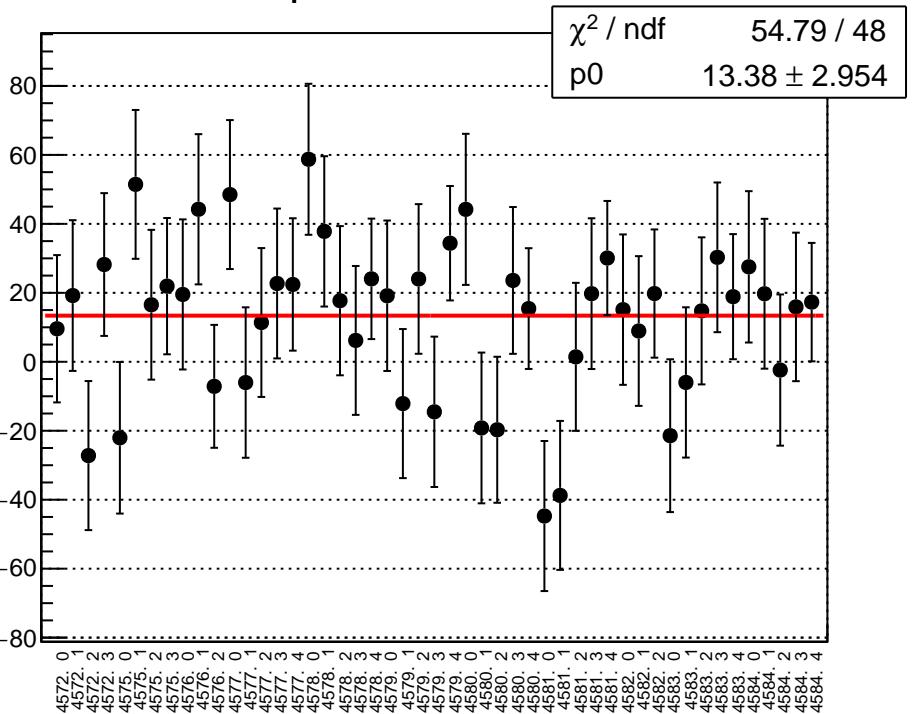




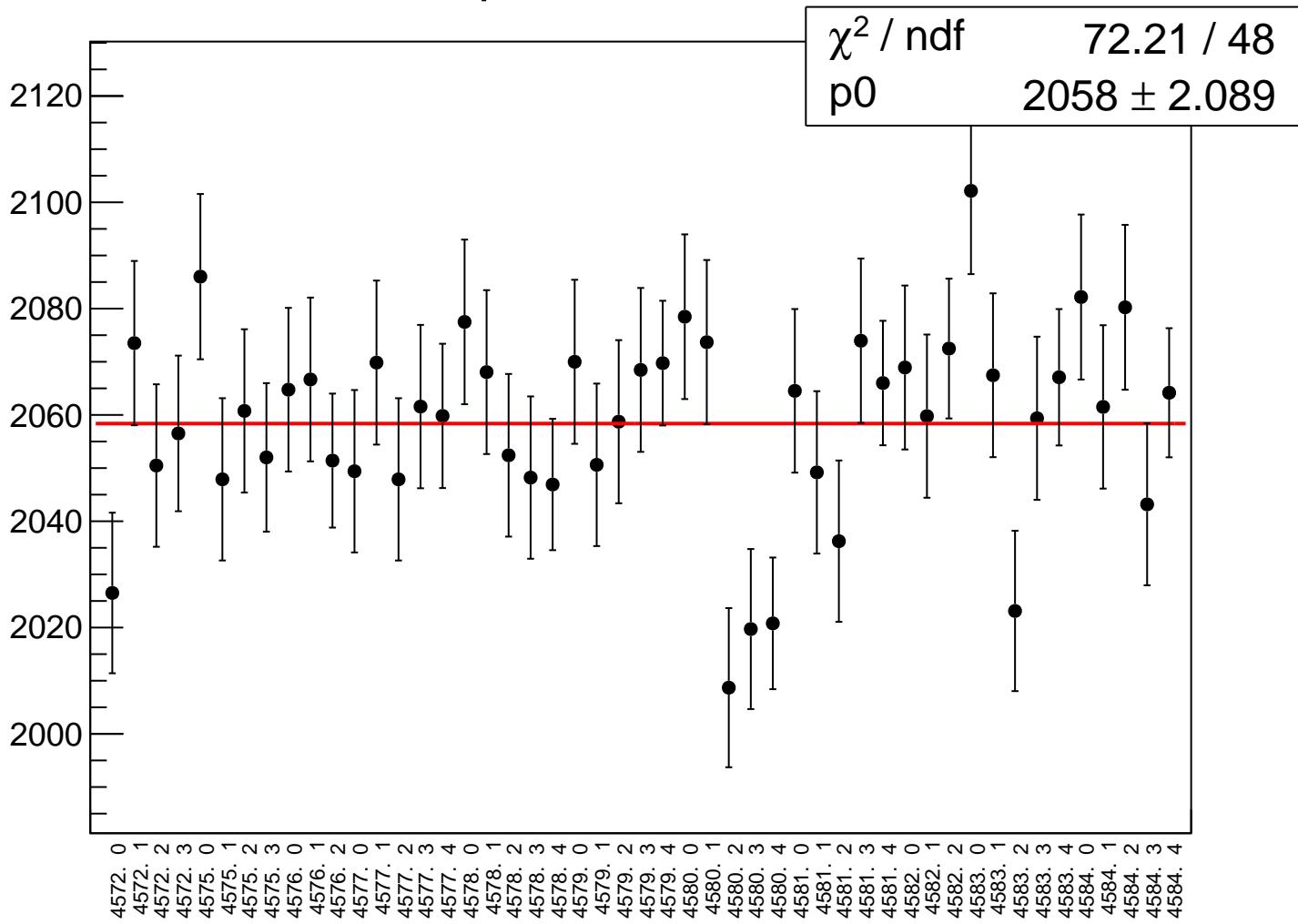
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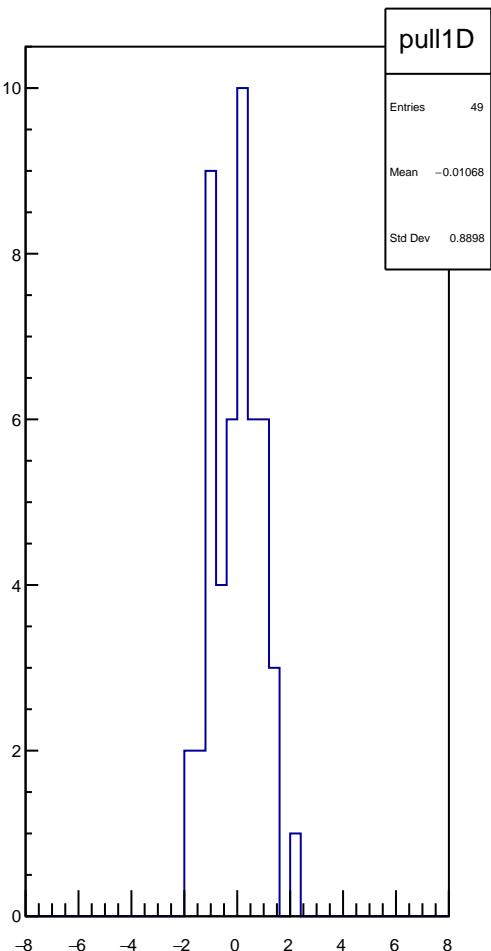
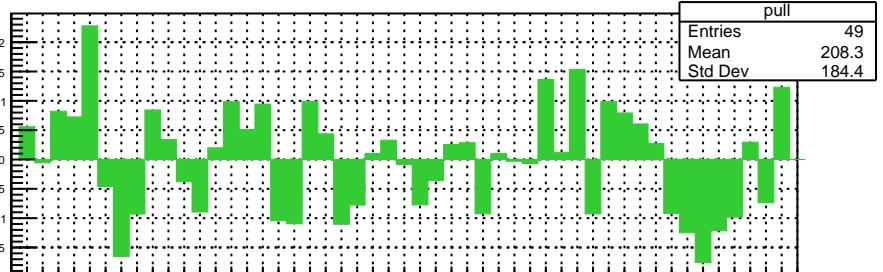
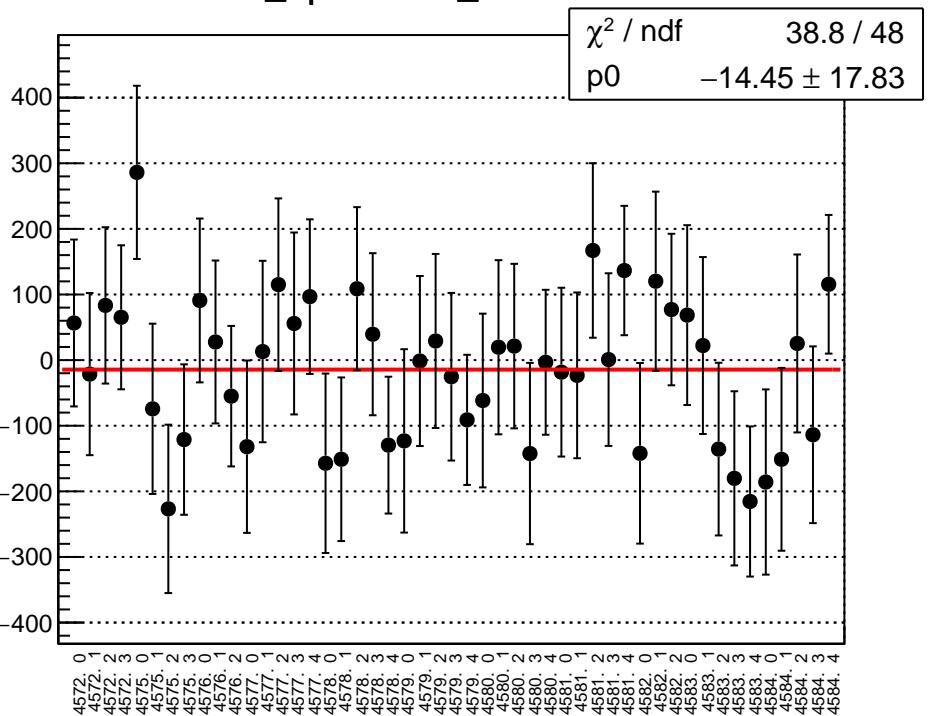
# diff\_bpm0l07Y\_mean vs run



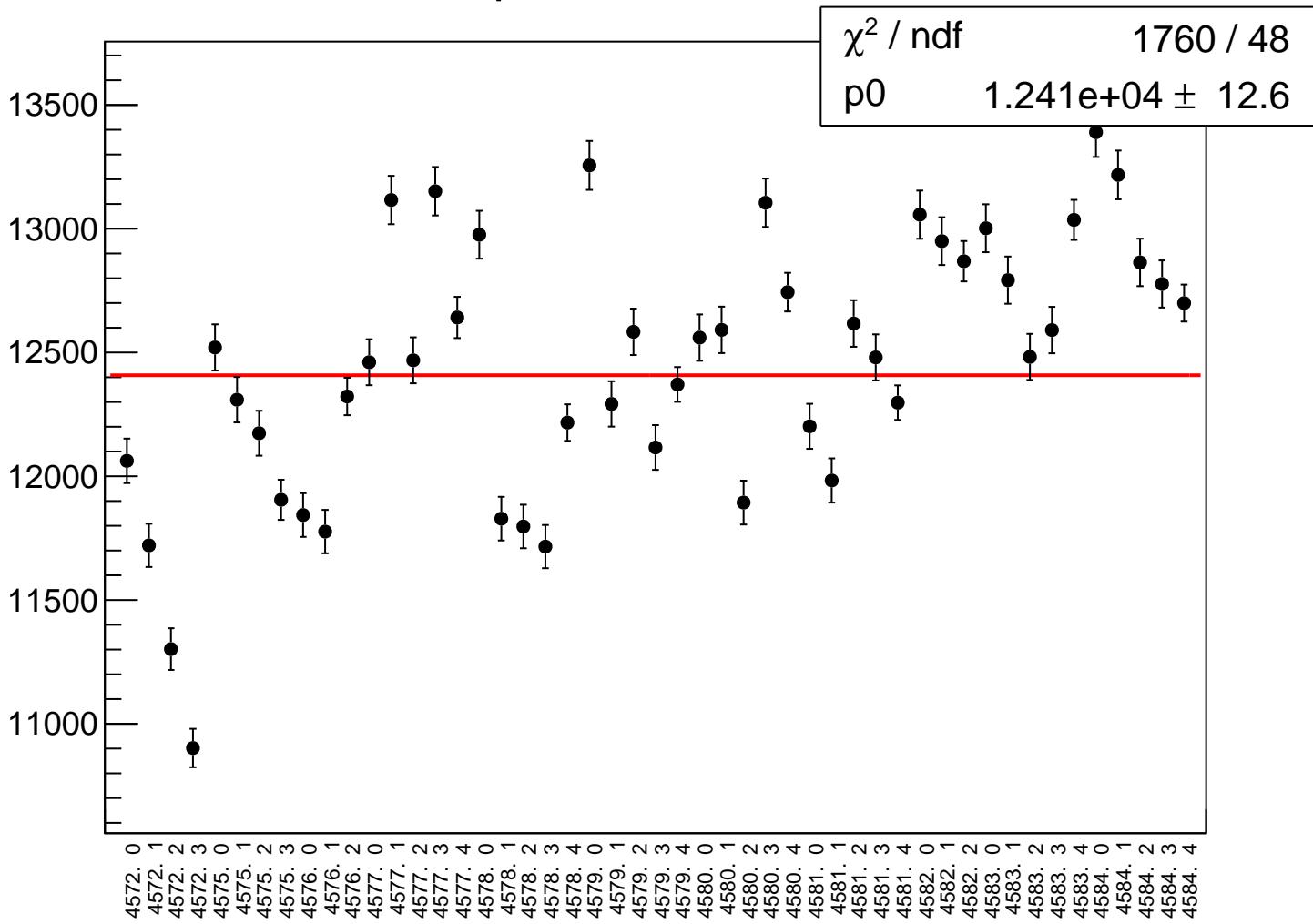
# diff\_bpm0I07Y\_rms vs run



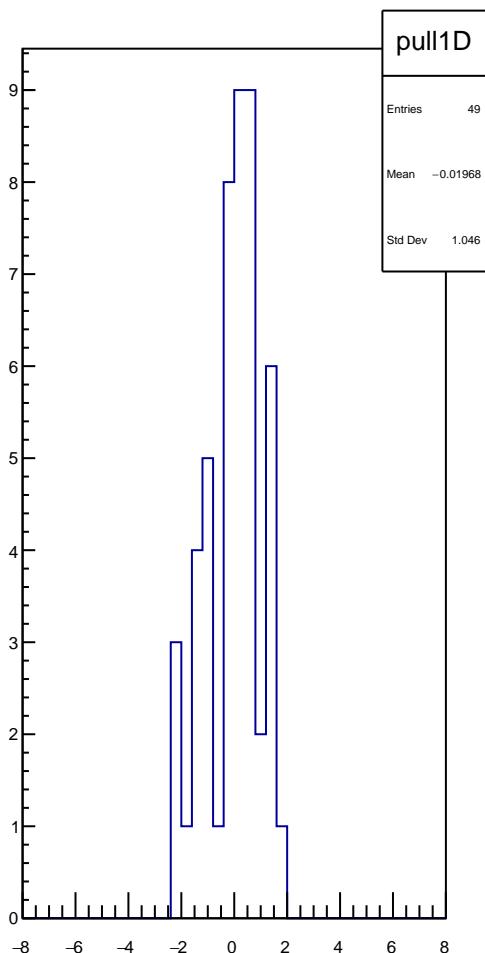
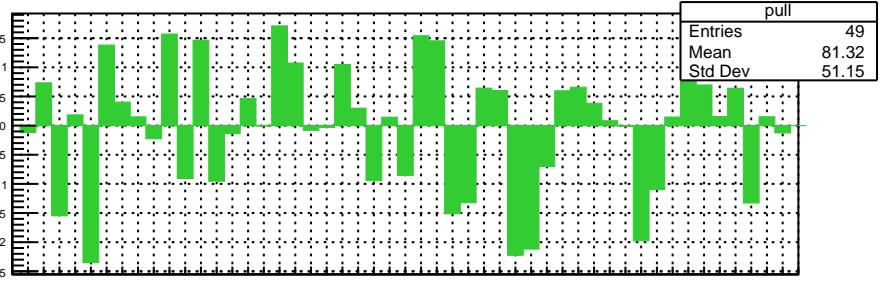
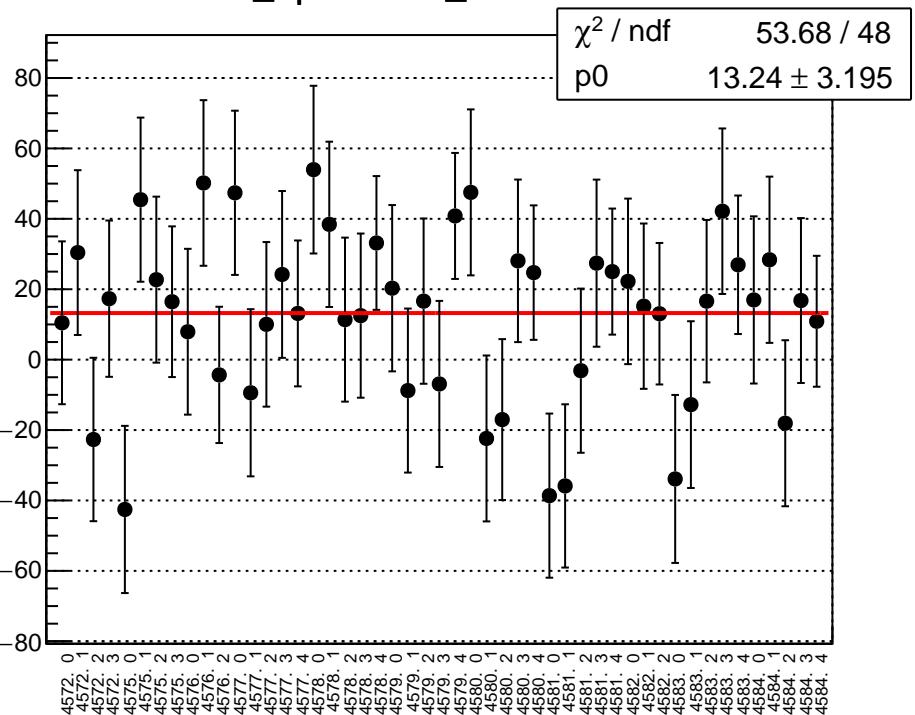
# diff\_bpm0l08X\_mean vs run



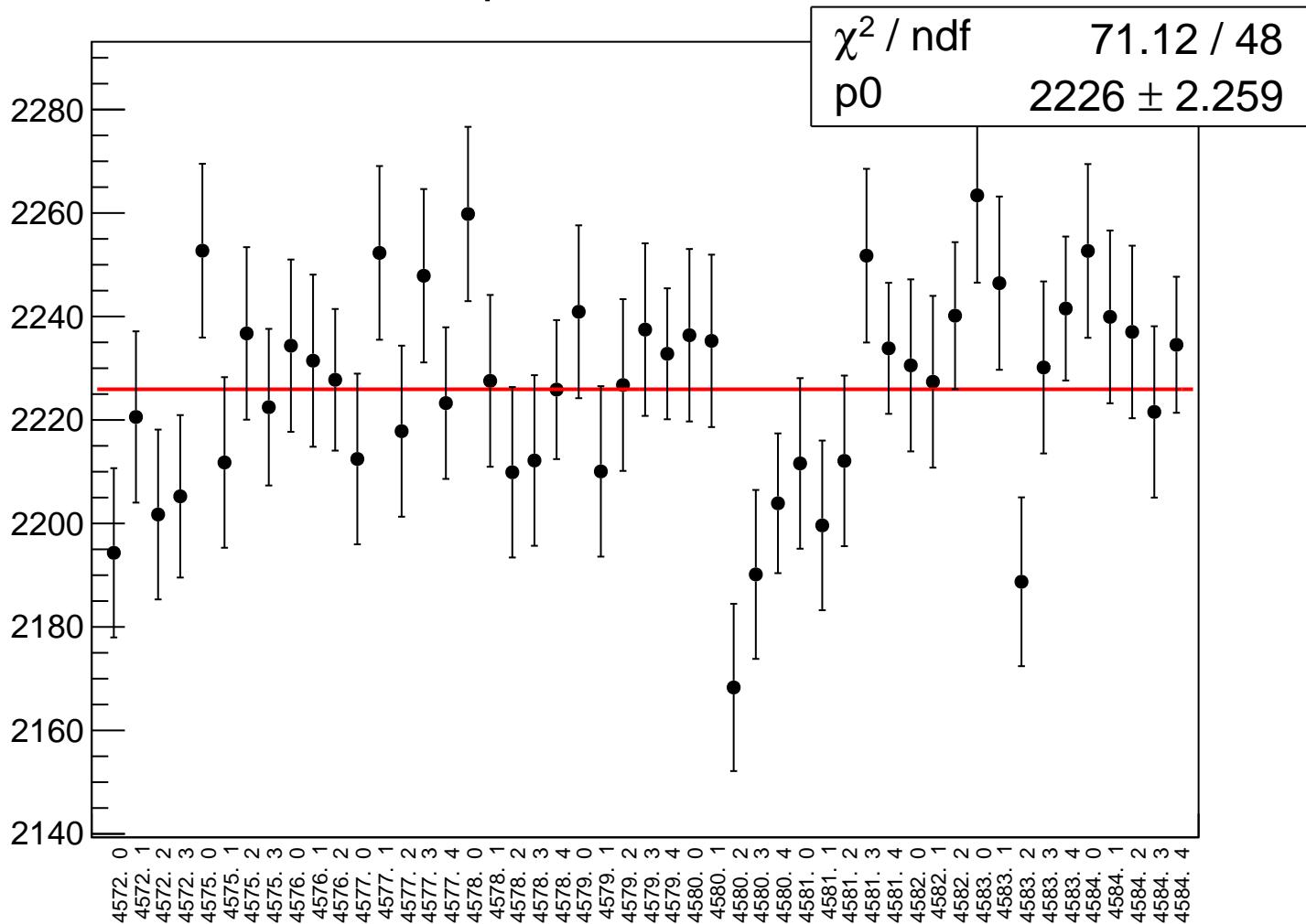
# diff\_bpm0I08X\_rms vs run



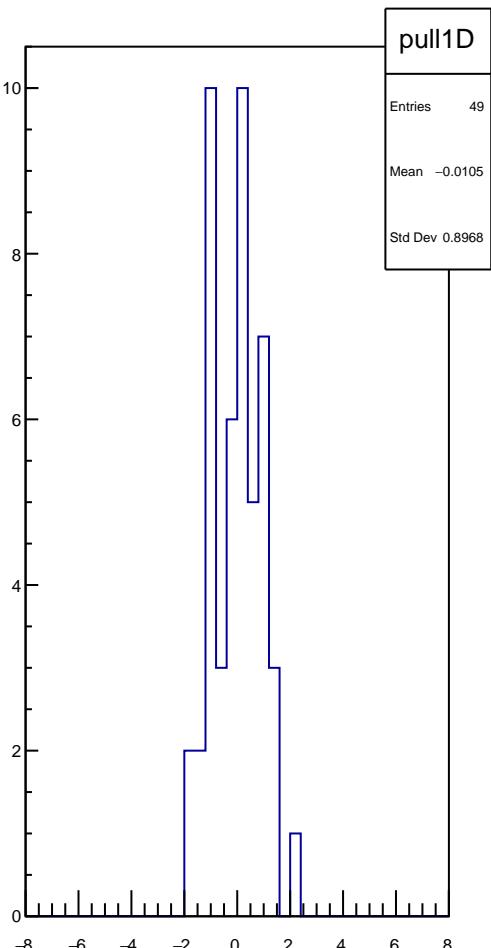
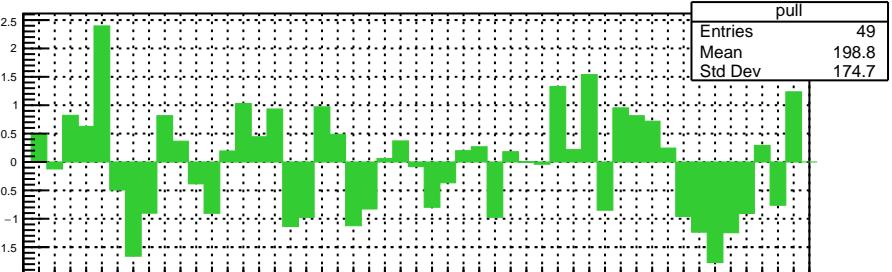
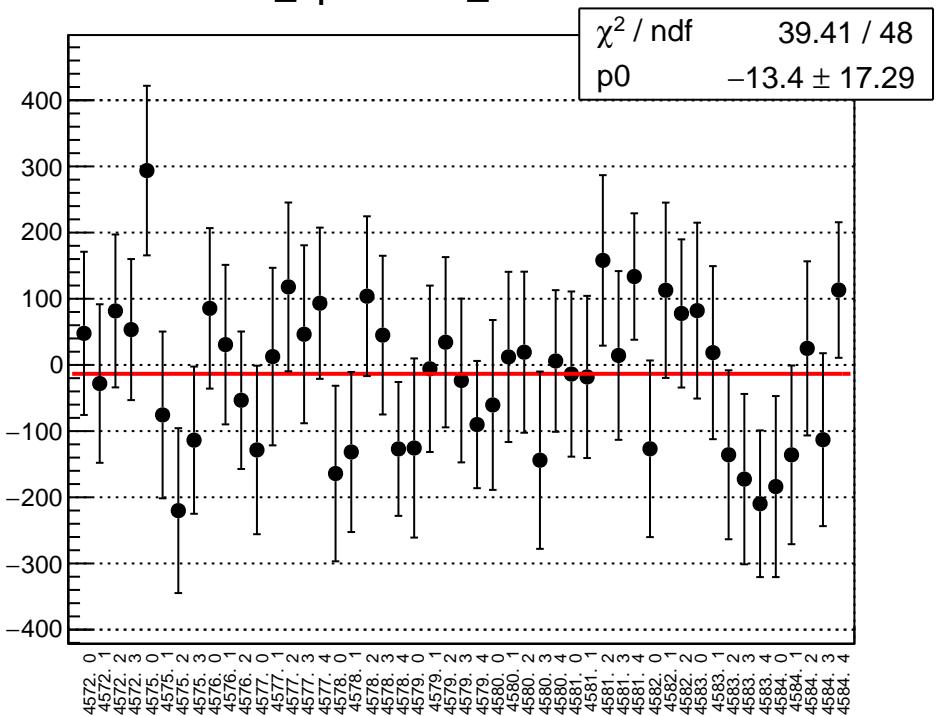
# diff\_bpm0l08Y\_mean vs run



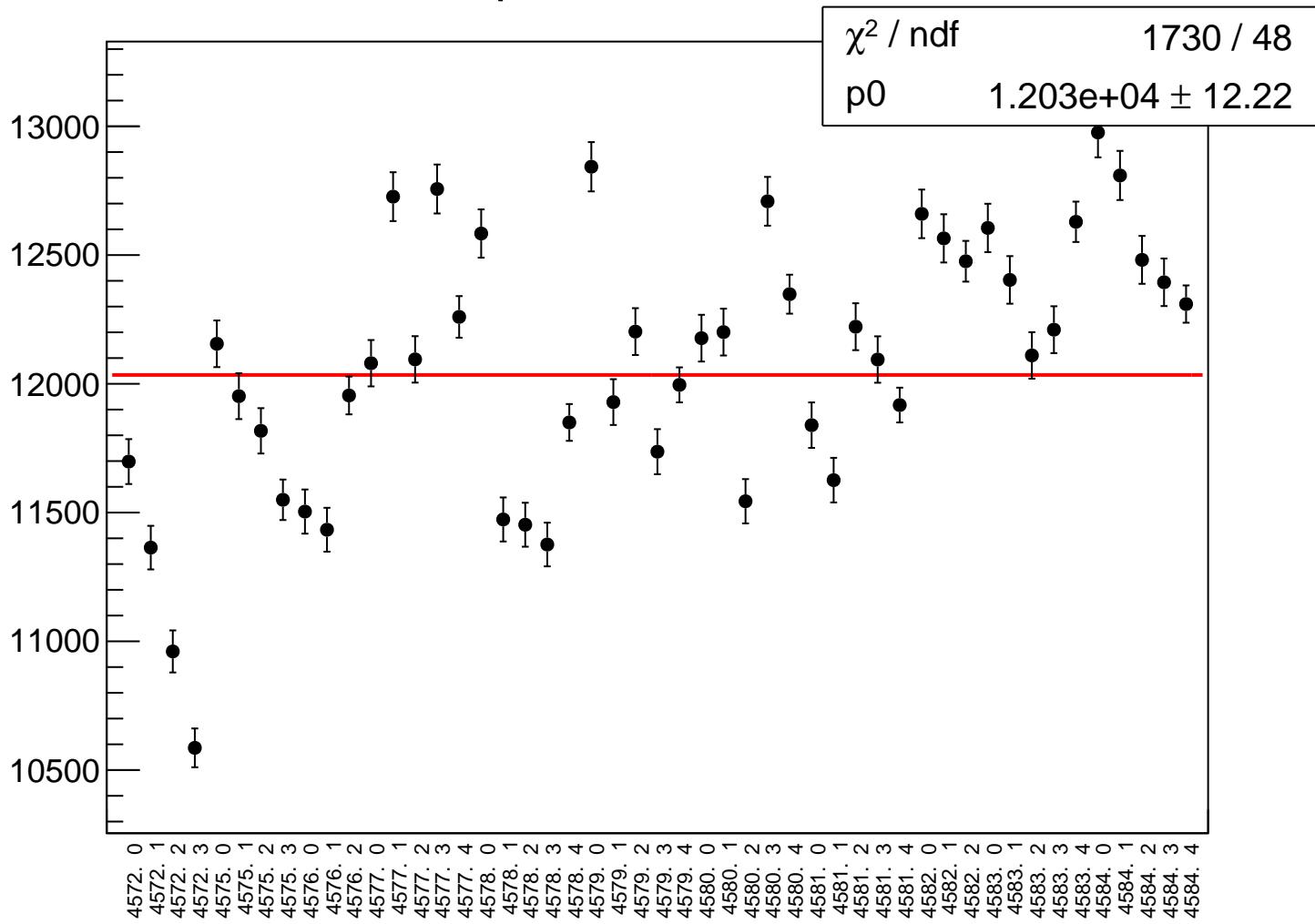
# diff\_bpm0I08Y\_rms vs run



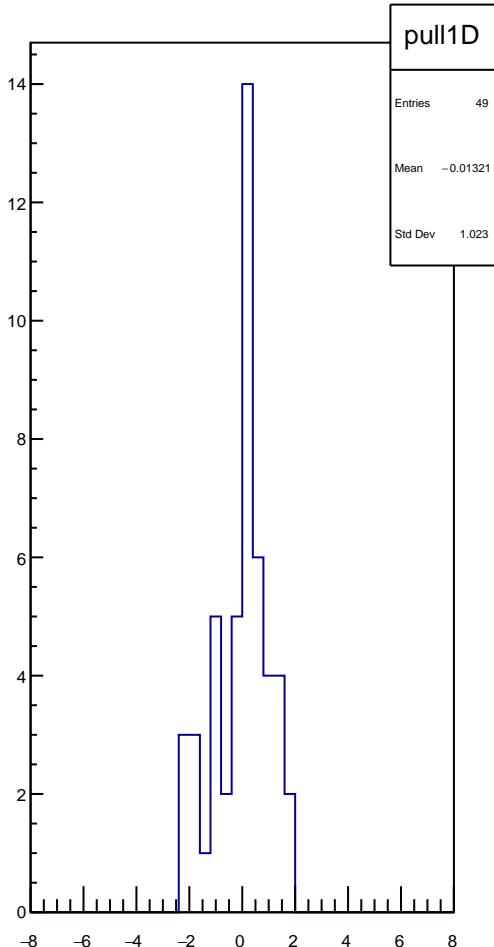
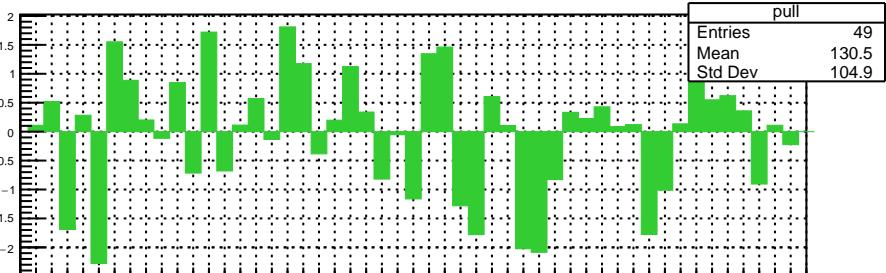
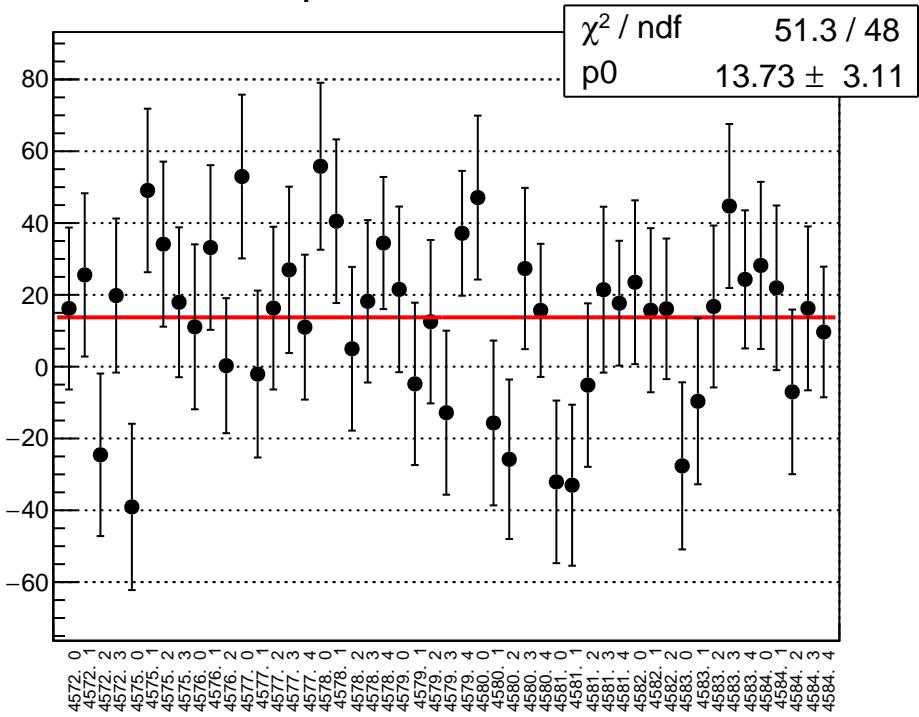
# diff\_bpm0l09X\_mean vs run



# diff\_bpm0I09X\_rms vs run



# diff\_bpm0l09Y\_mean vs run

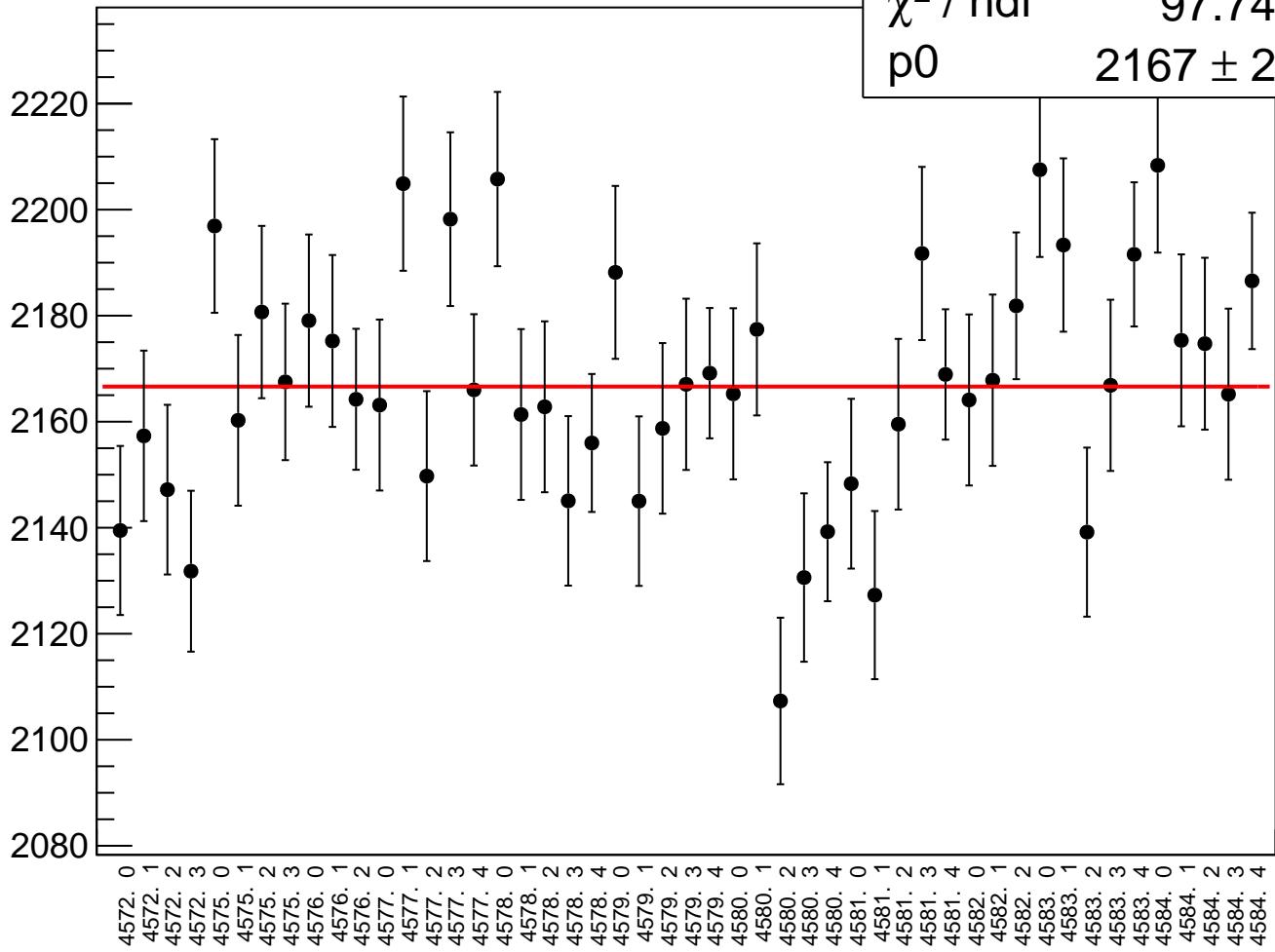


# diff\_bpm0I09Y\_rms vs run

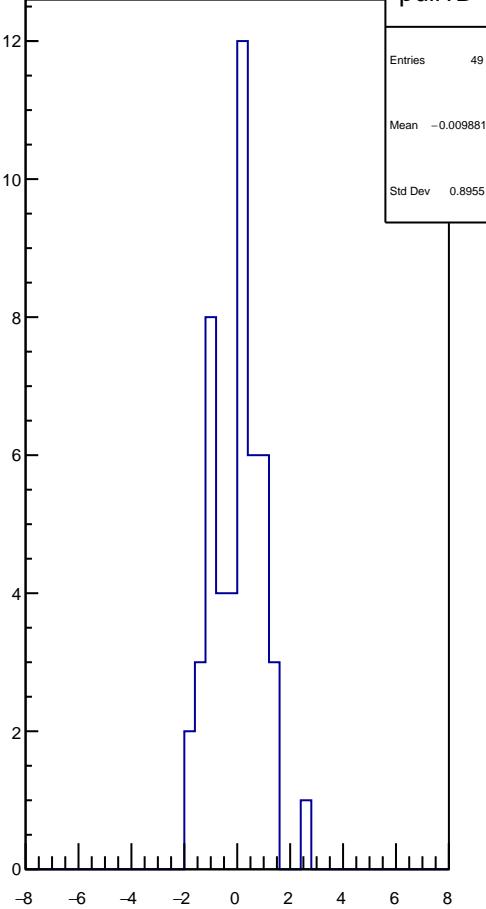
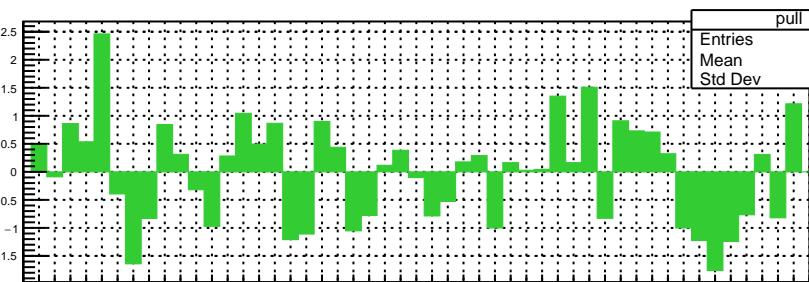
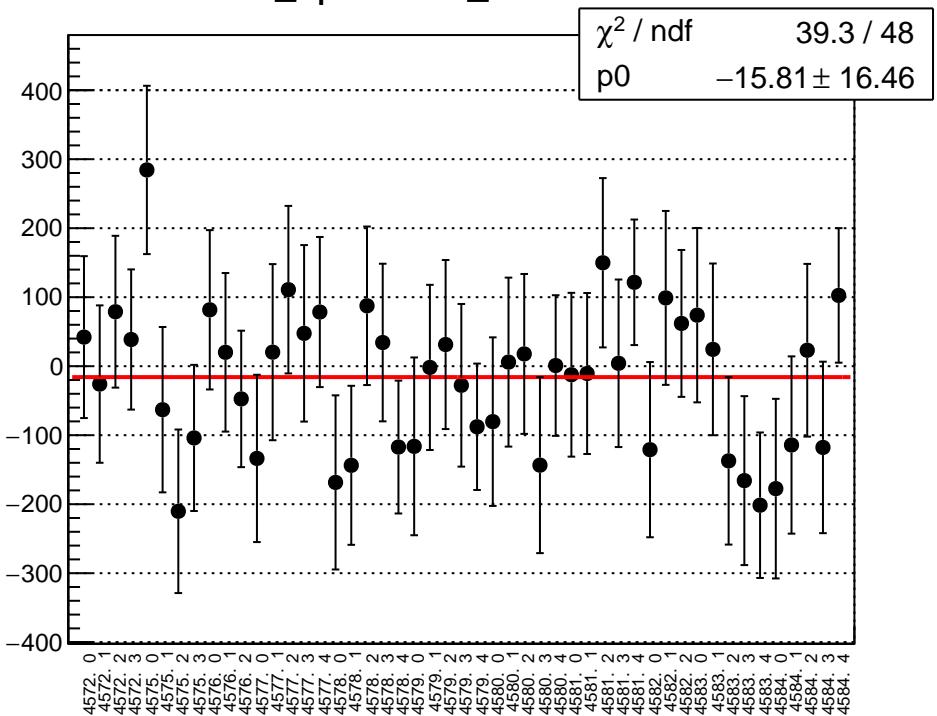
$\chi^2 / \text{ndf}$   
 $p0$

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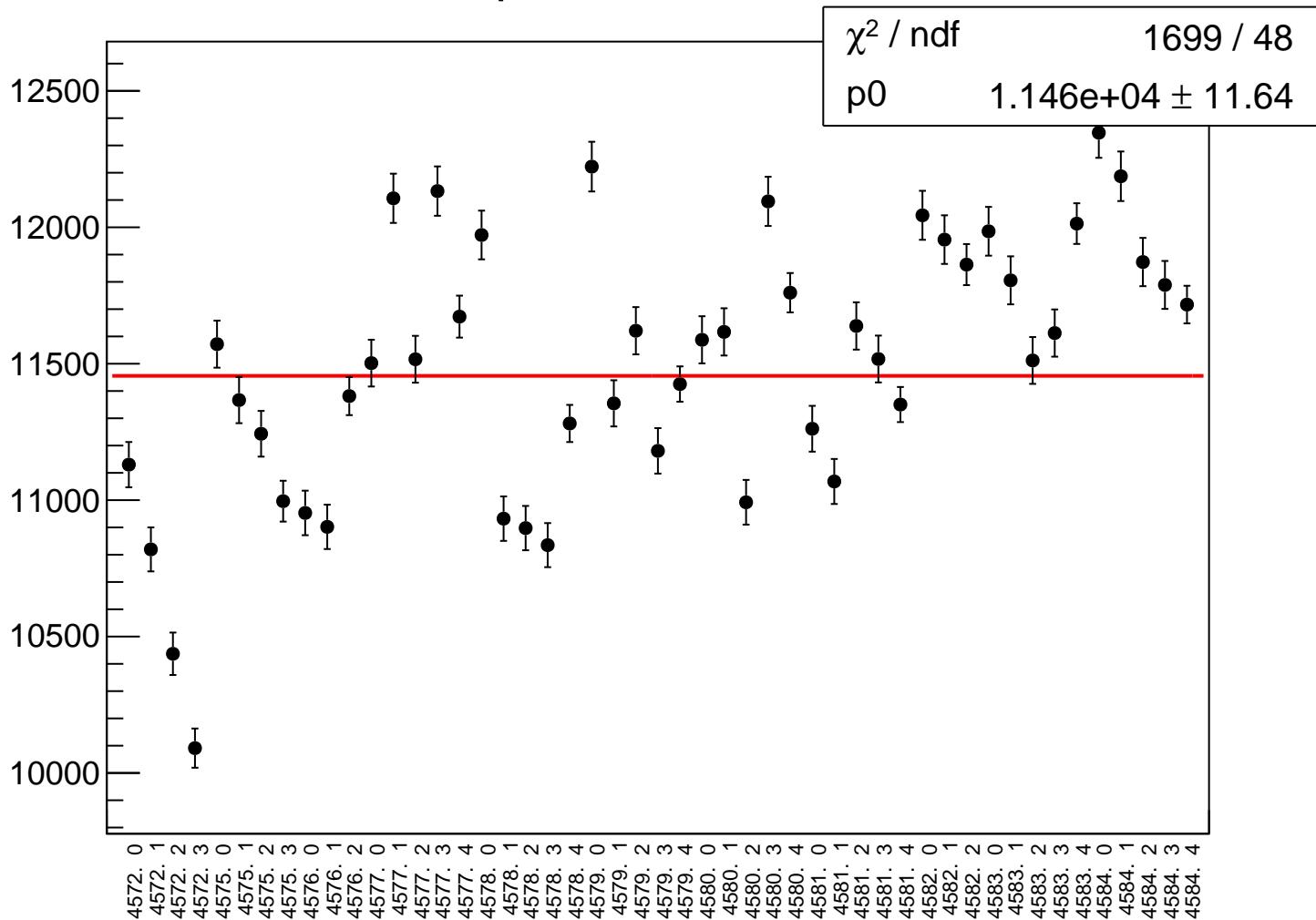
$2167 \pm 2.199$



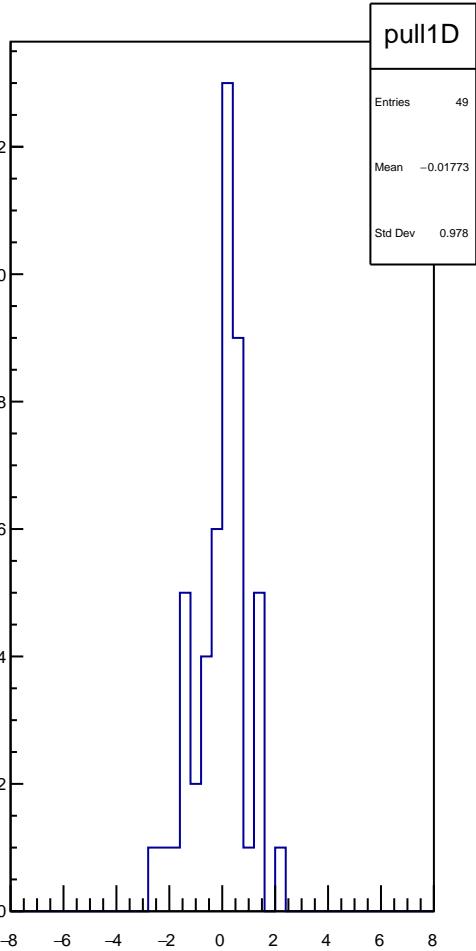
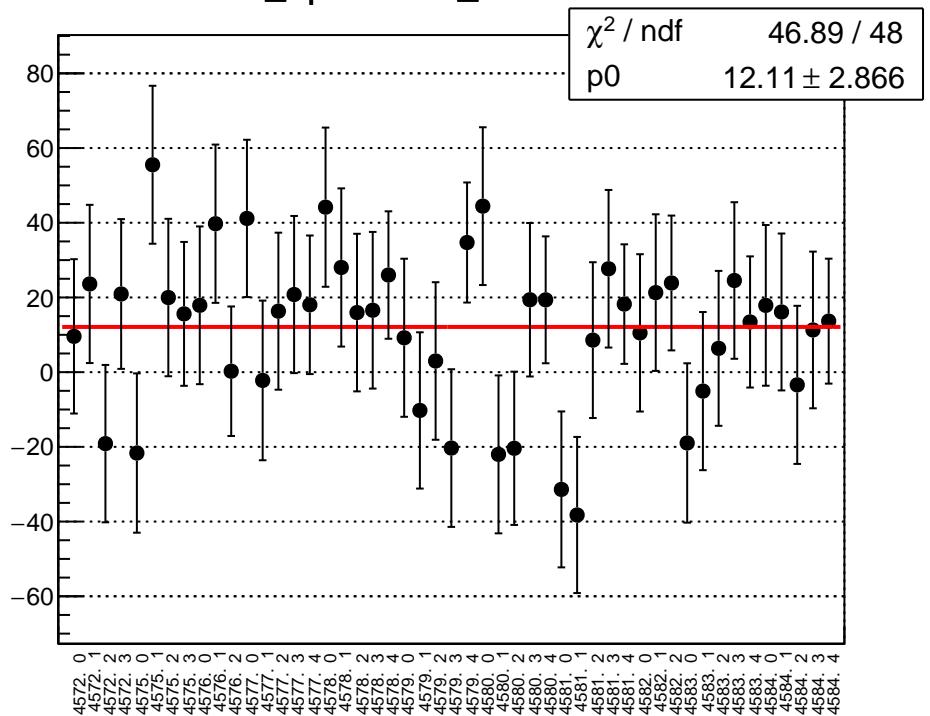
# diff\_bpm0l10X\_mean vs run



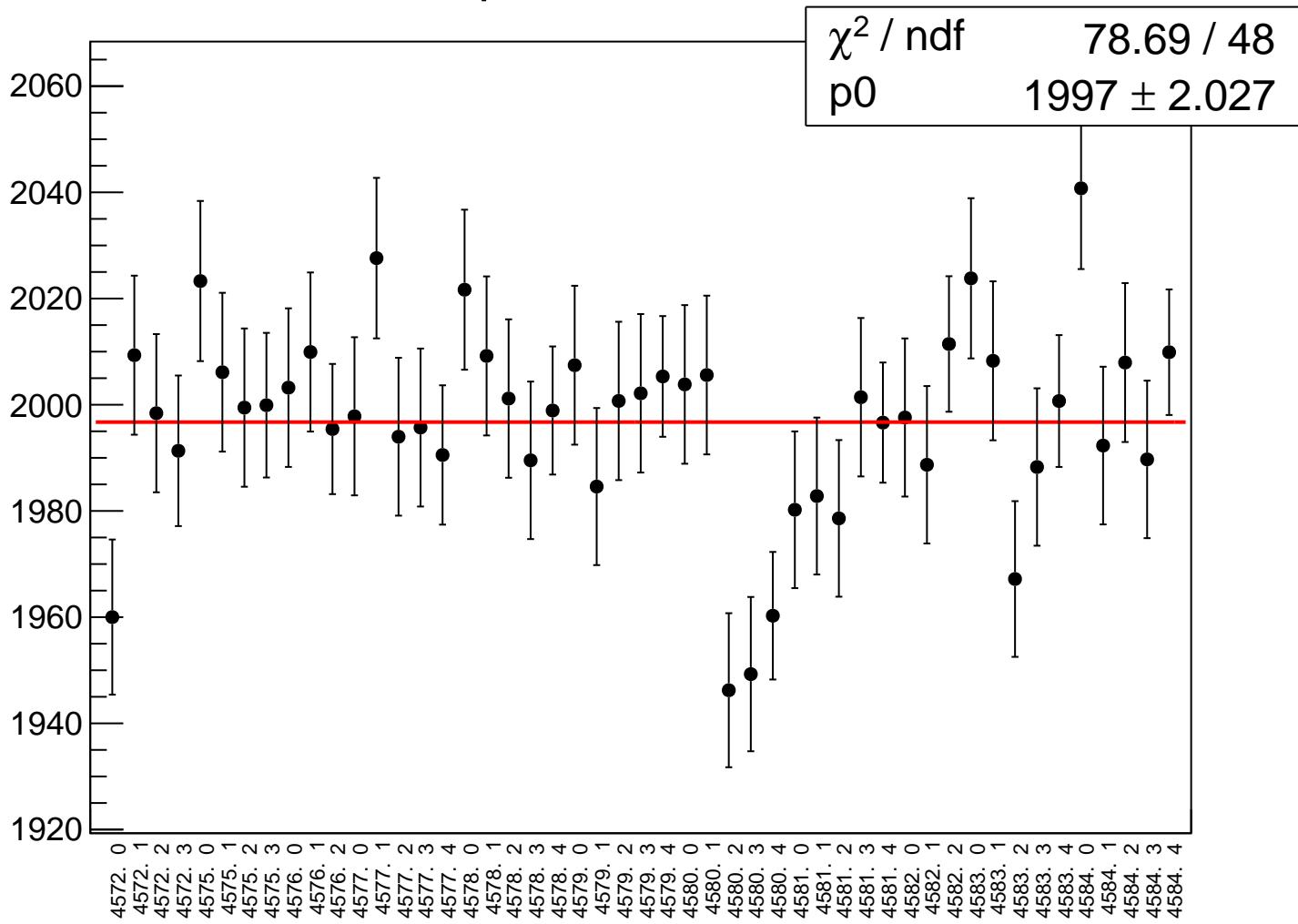
# diff\_bpm0I10X\_rms vs run



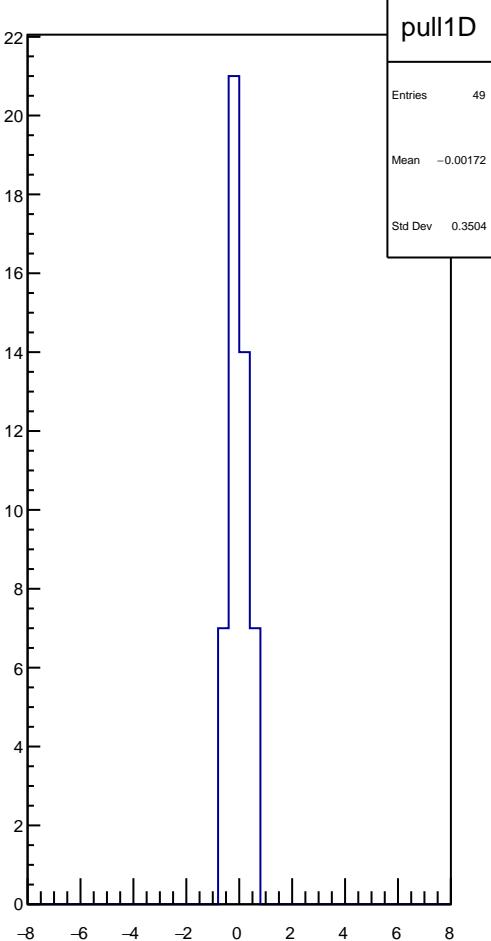
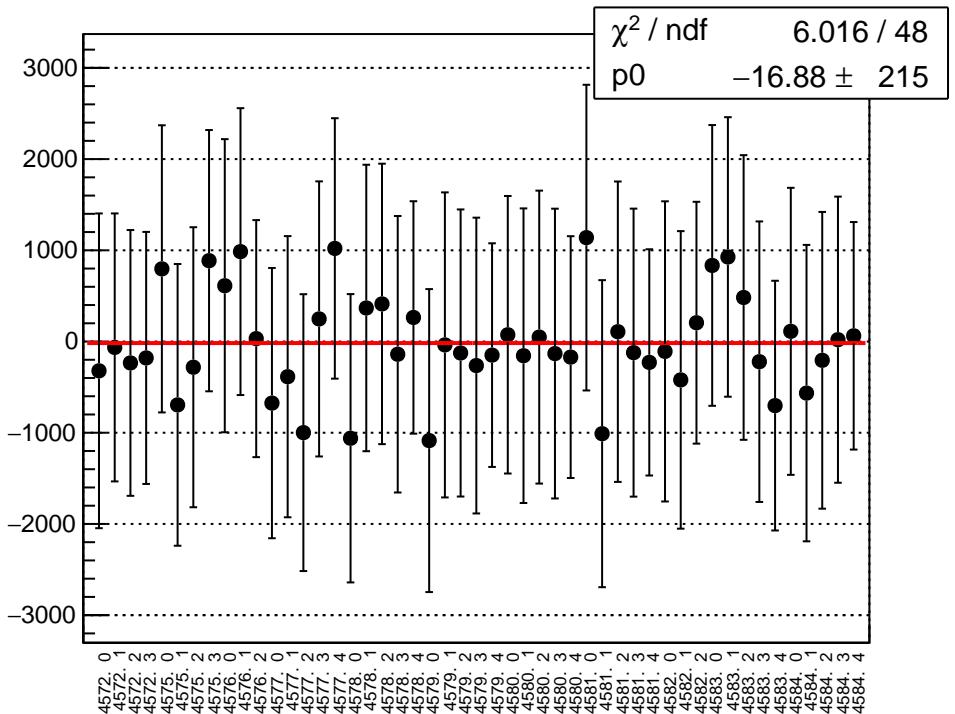
# diff\_bpm0I10Y\_mean vs run



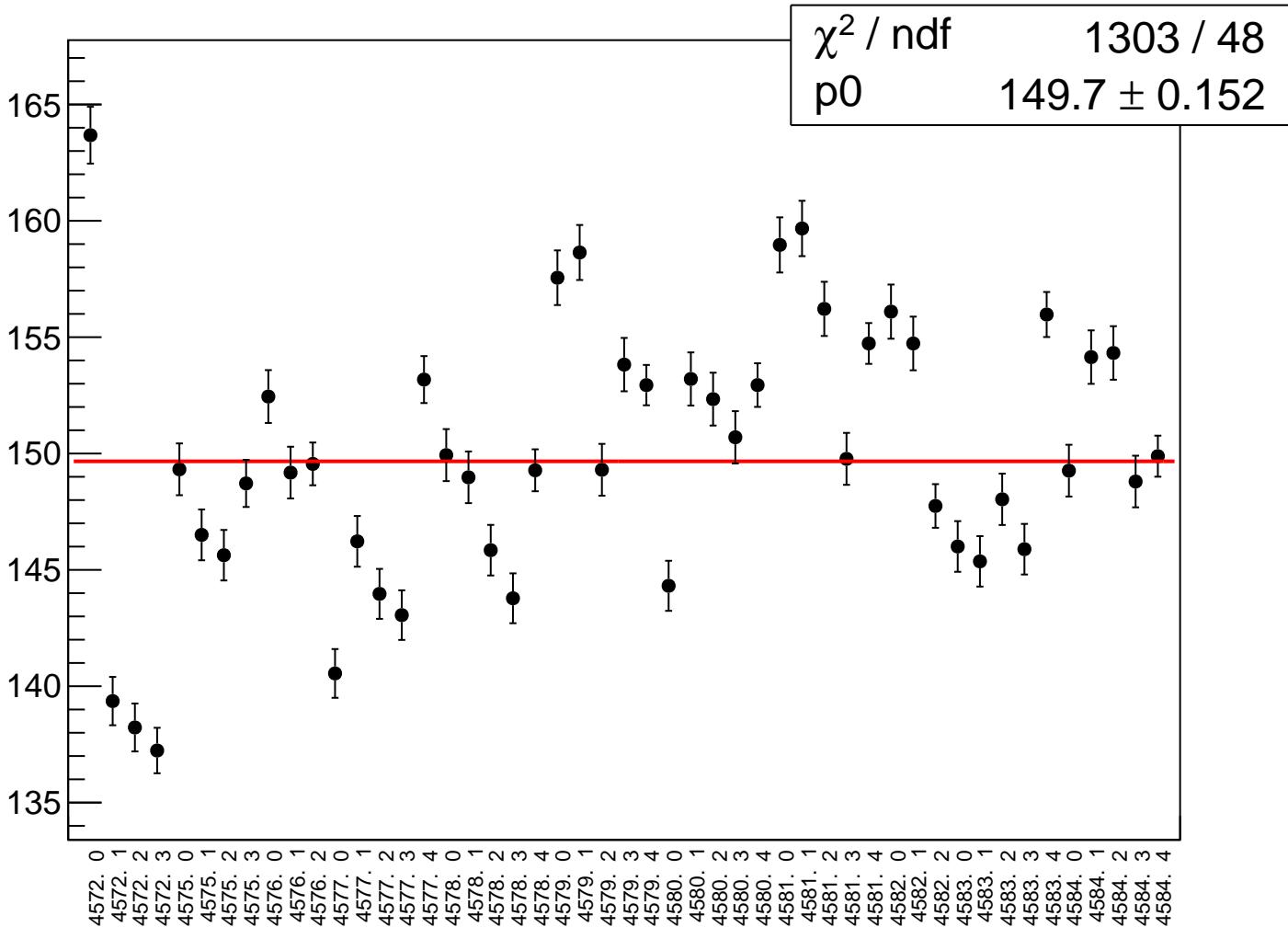
# diff\_bpm0I10Y\_rms vs run



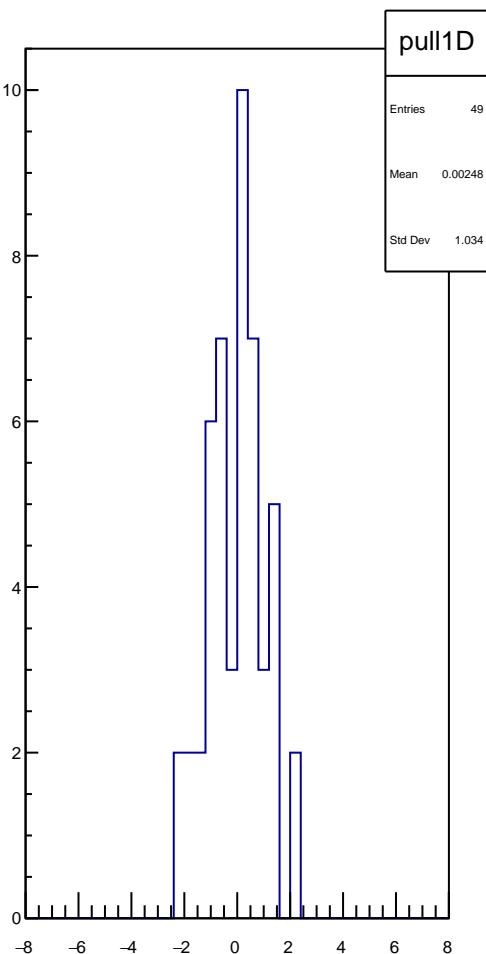
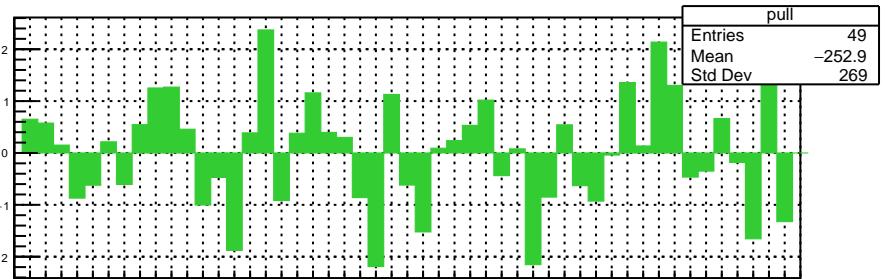
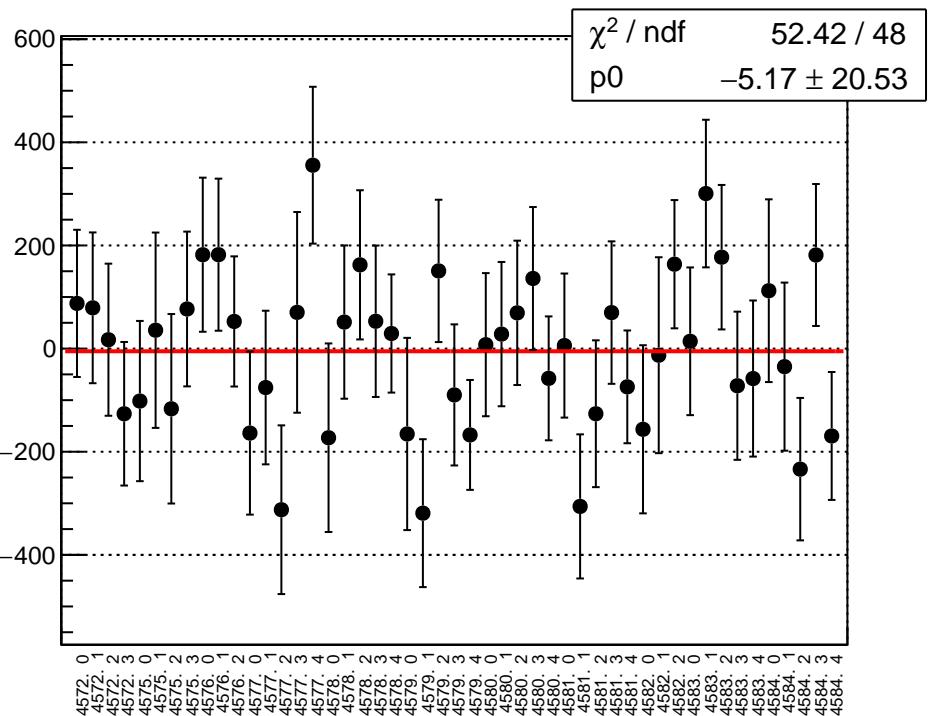
asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



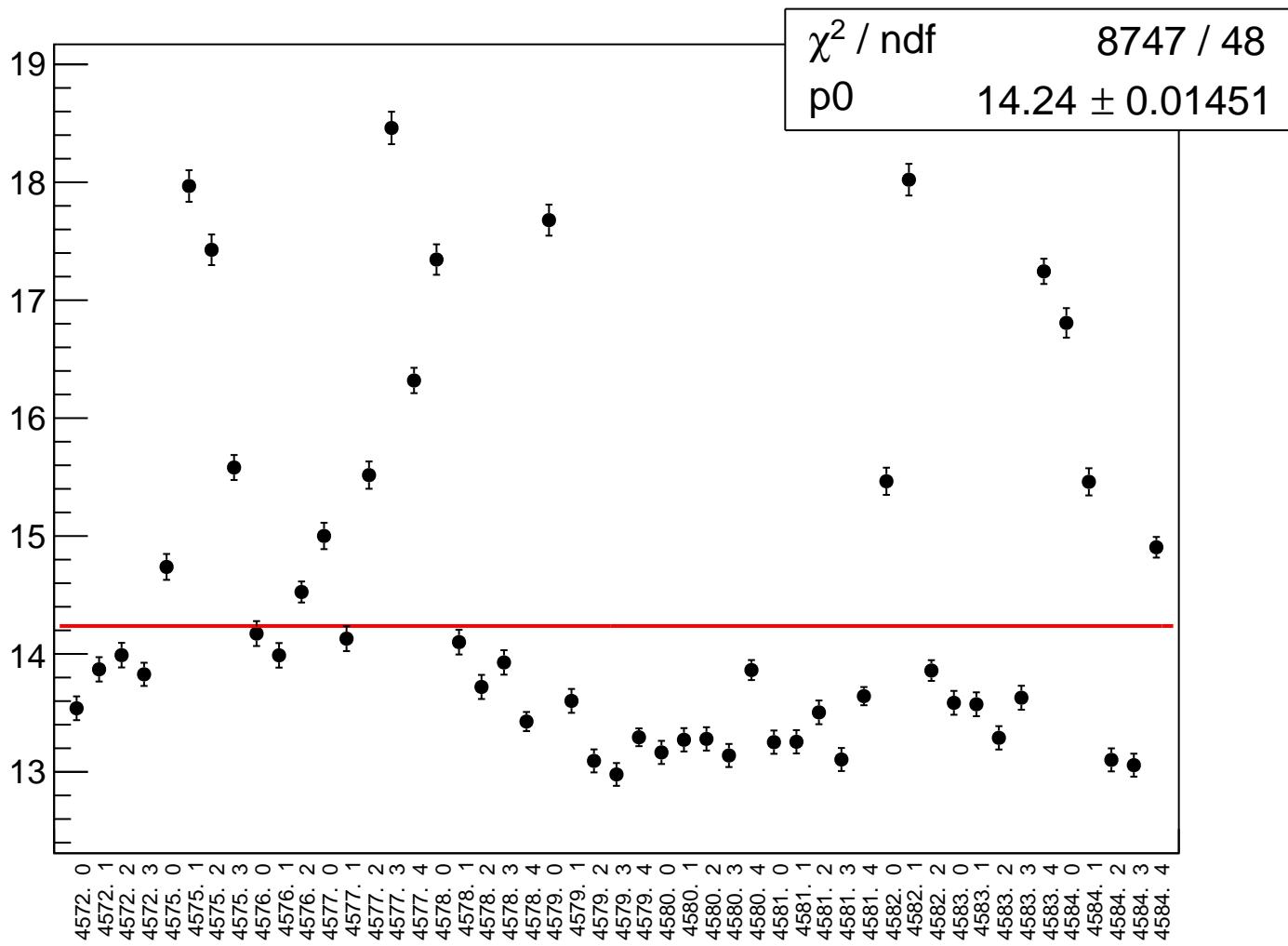
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_rms vs run



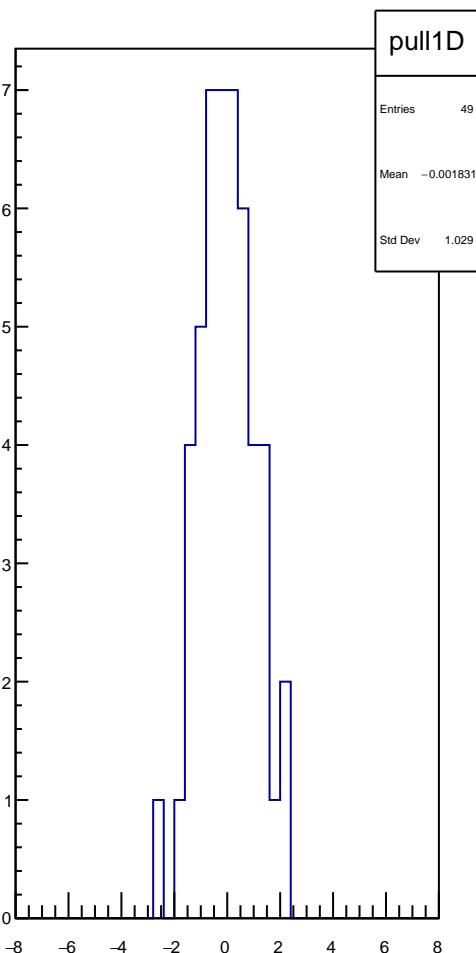
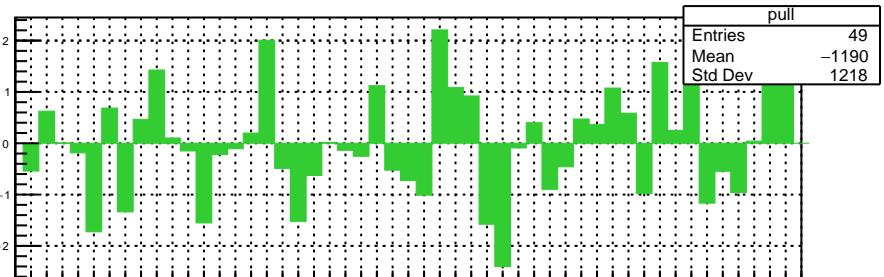
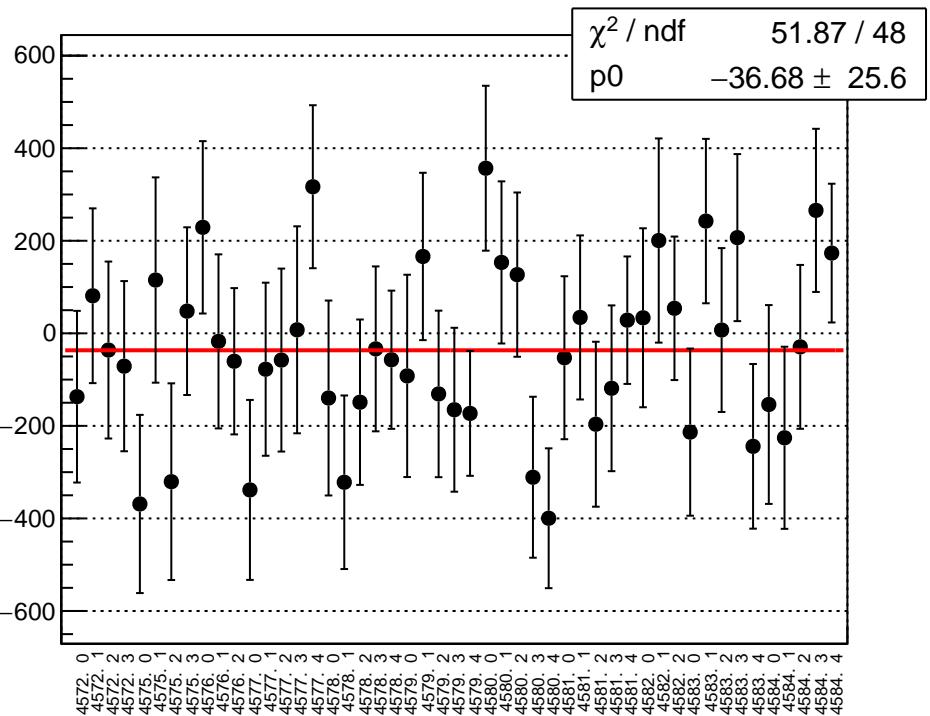
### asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs run



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



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



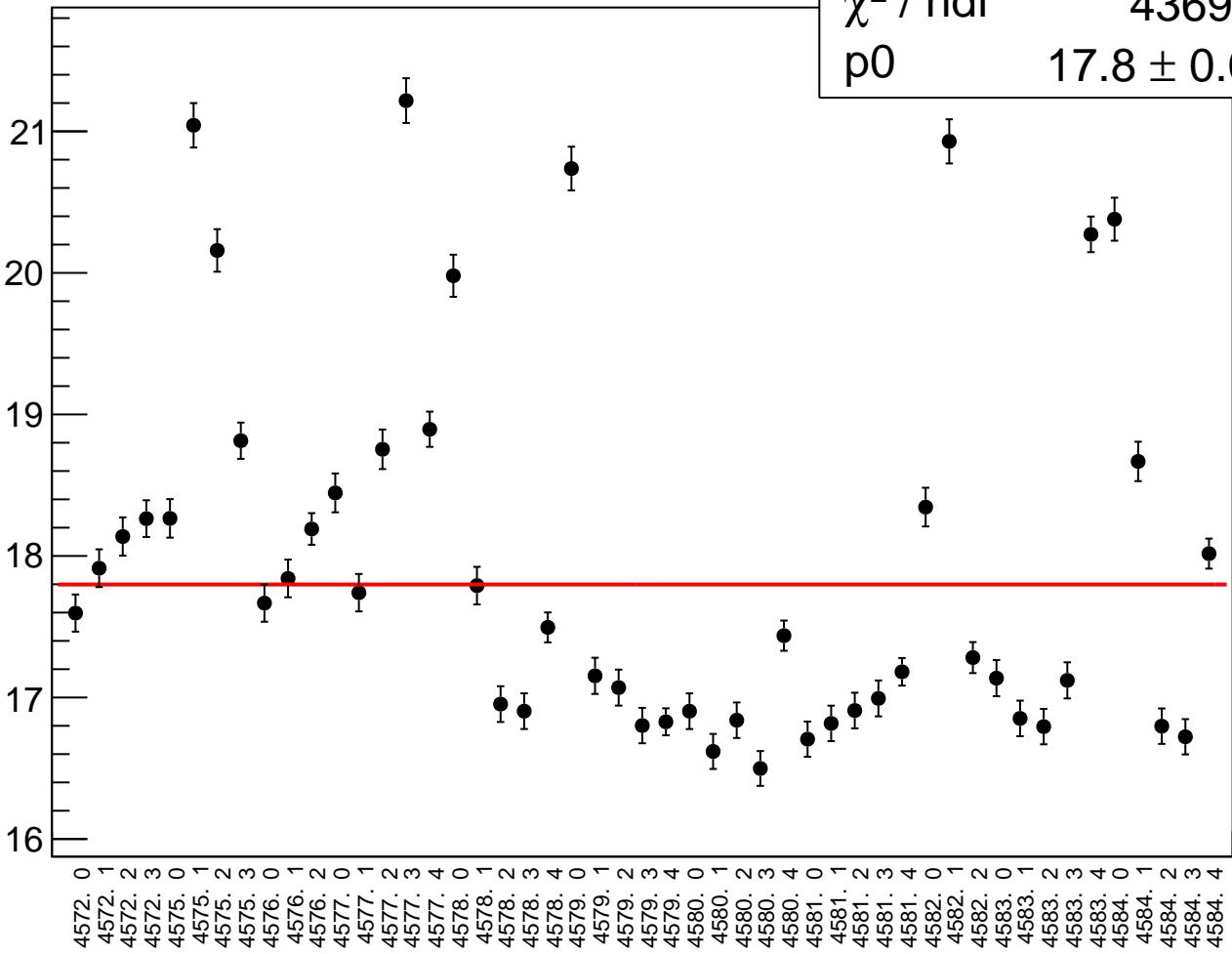
# asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run

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

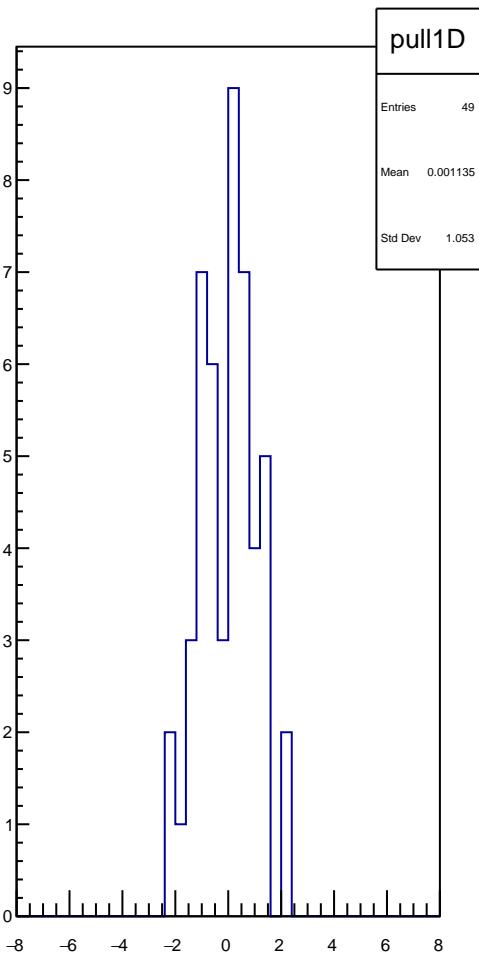
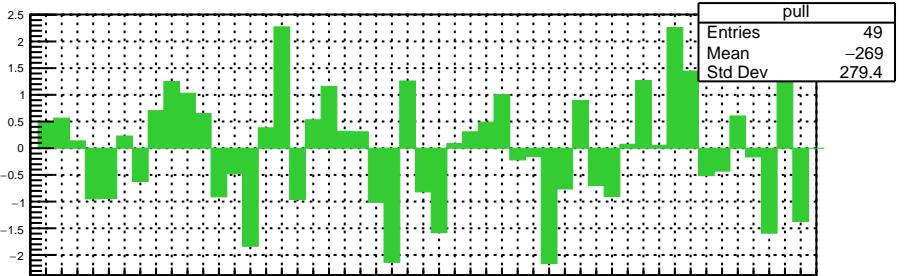
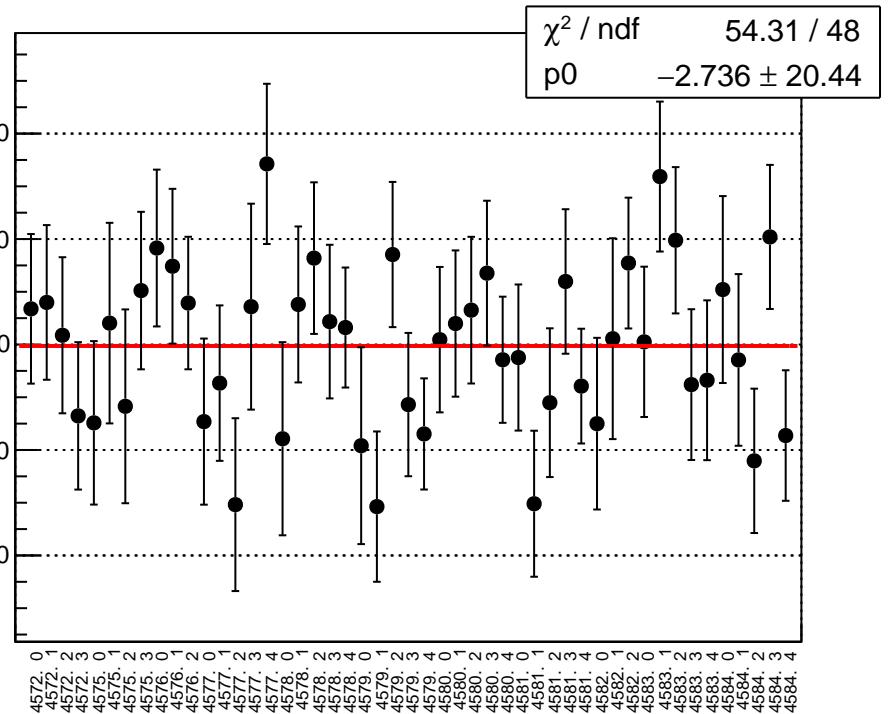
4369 / 48

p0

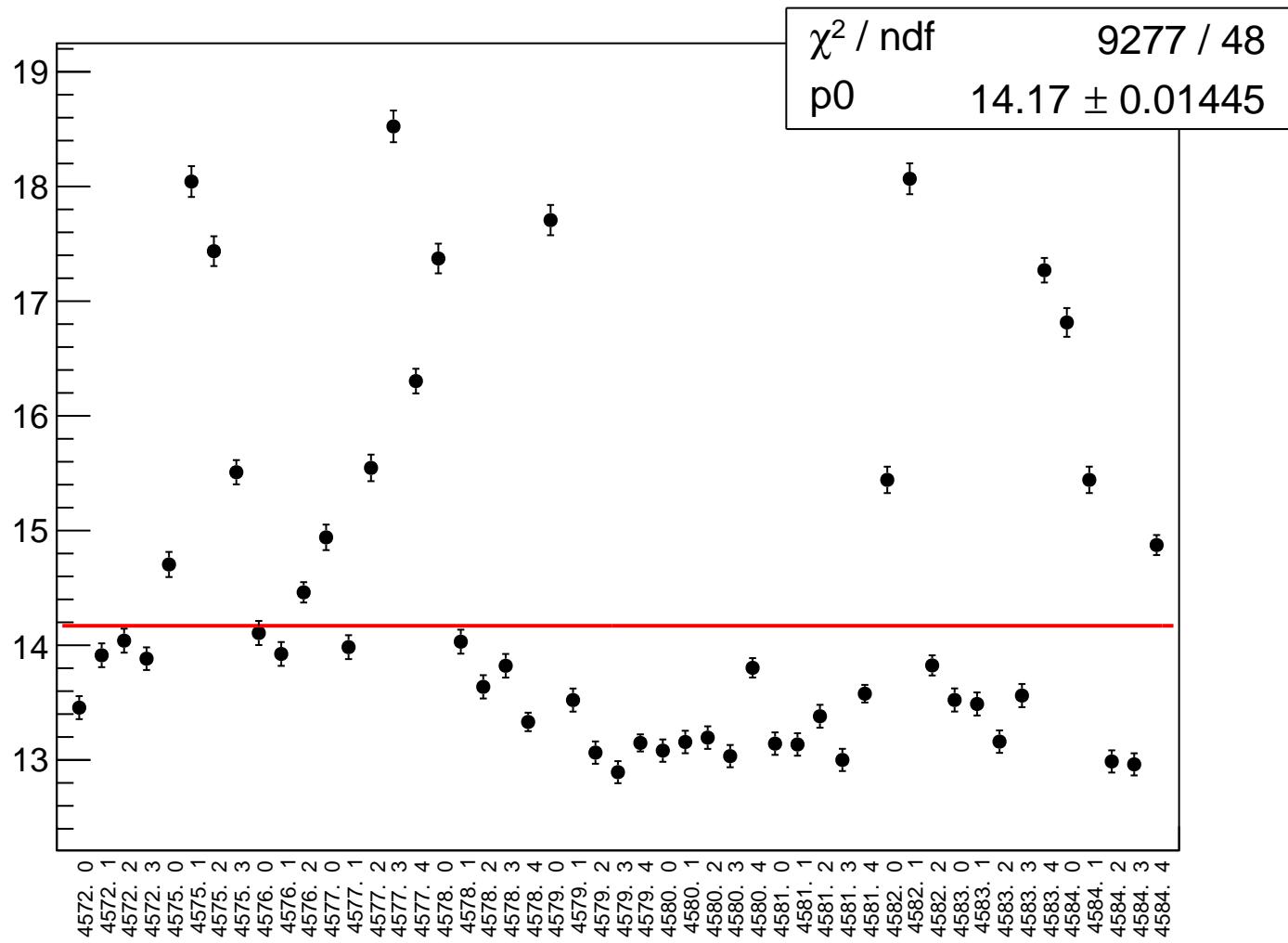
$17.8 \pm 0.0181$



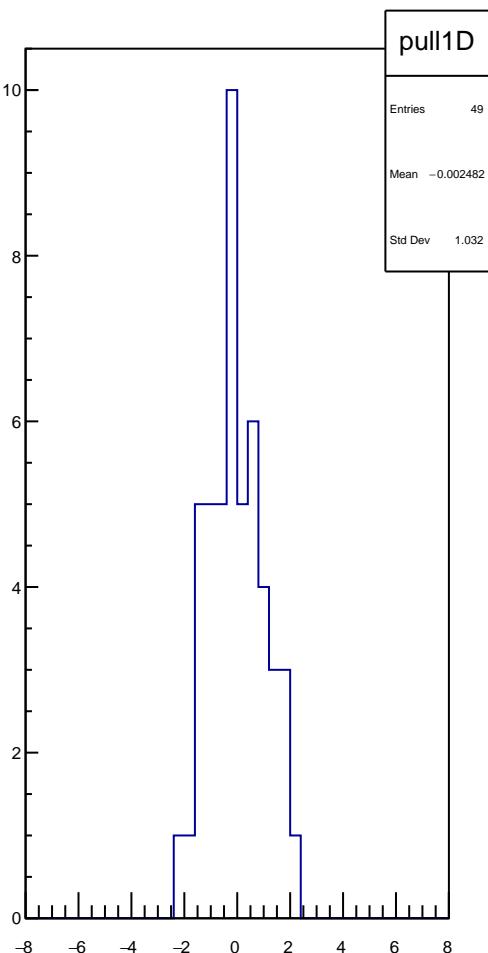
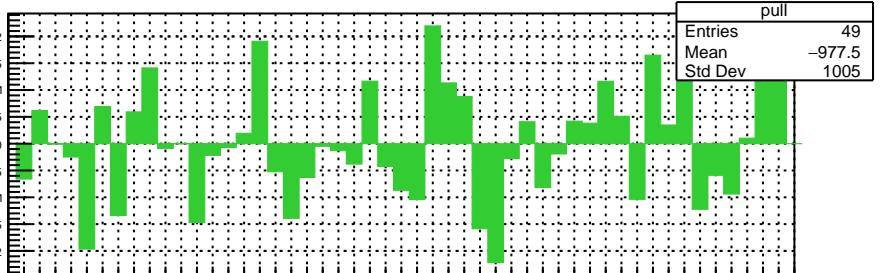
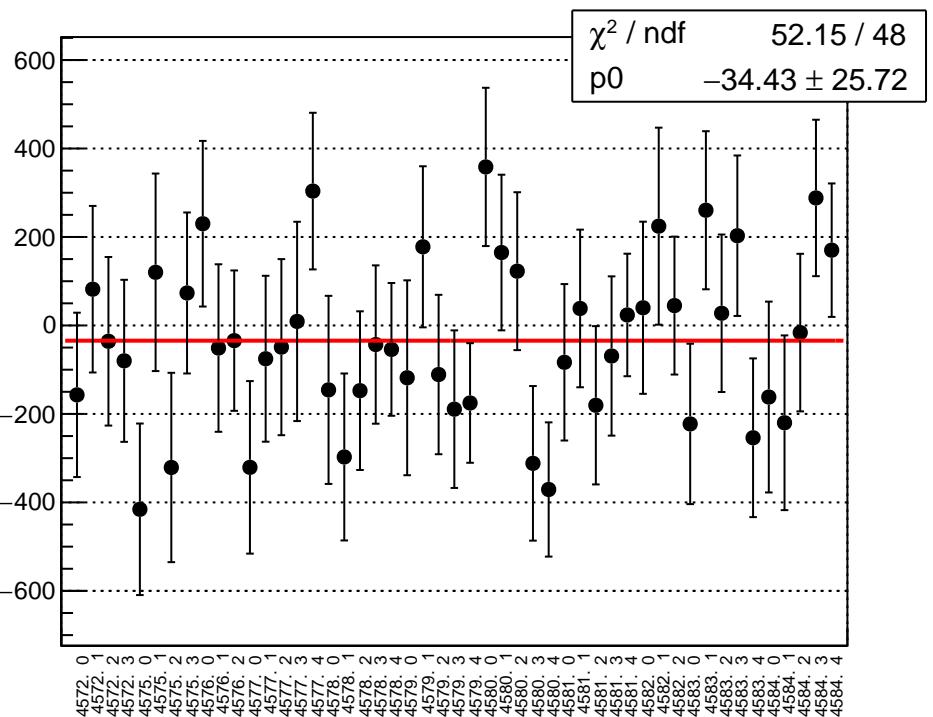
asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs run



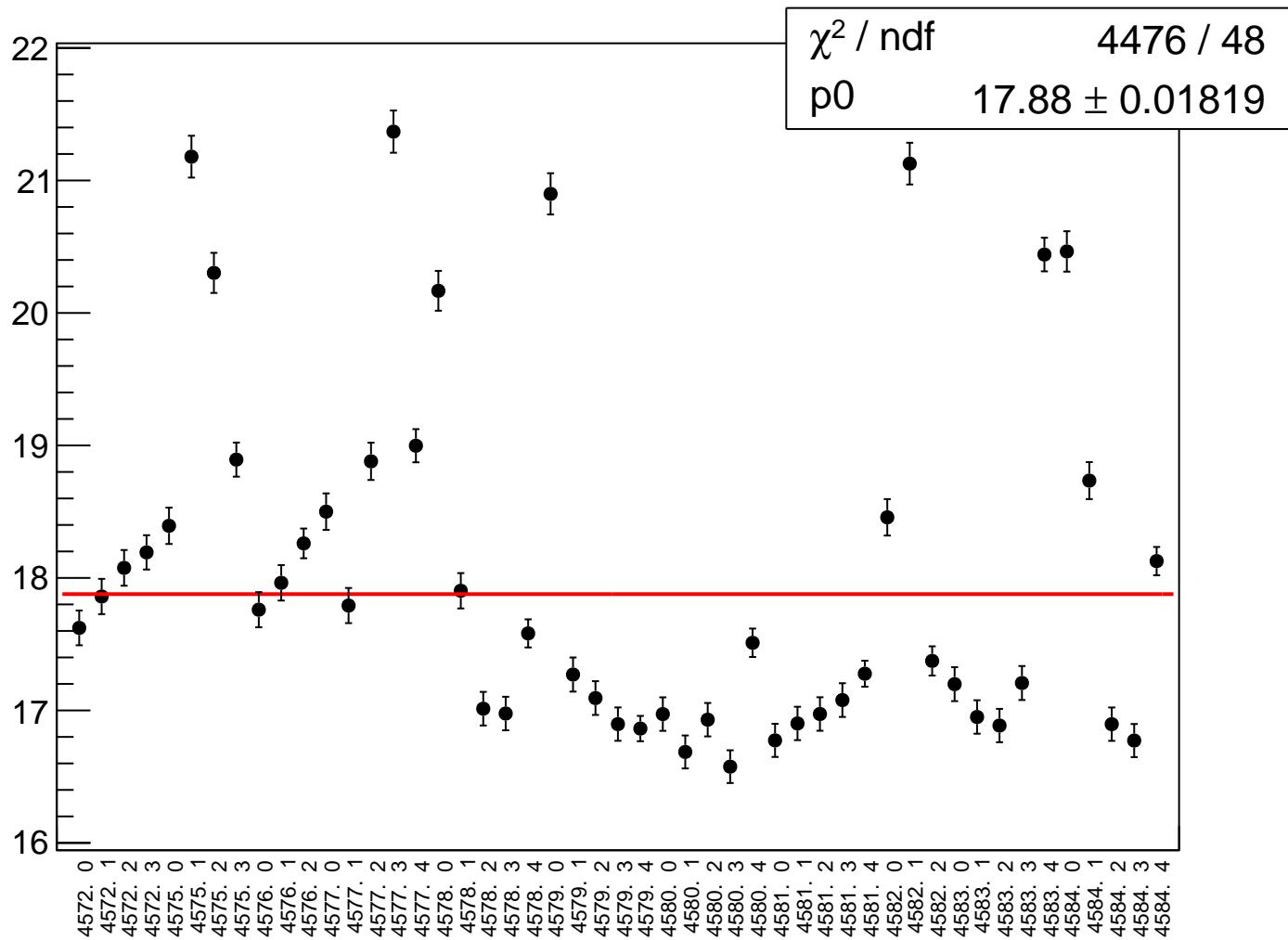
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs run



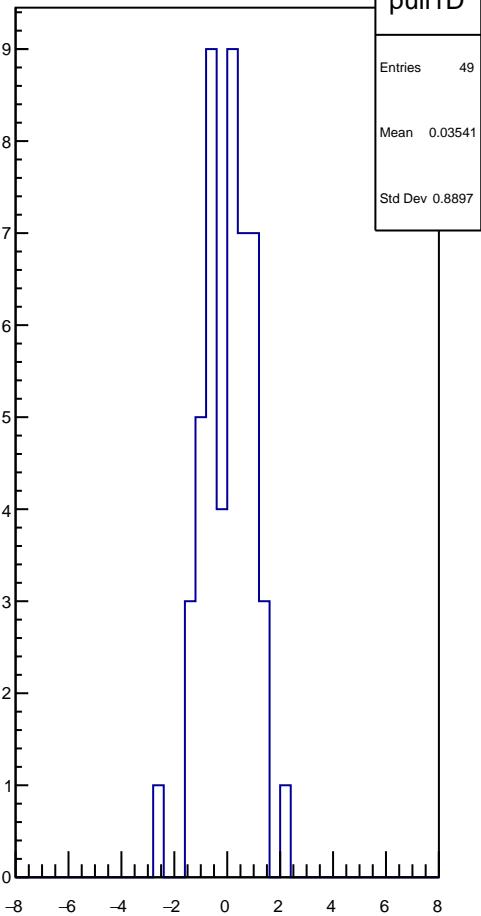
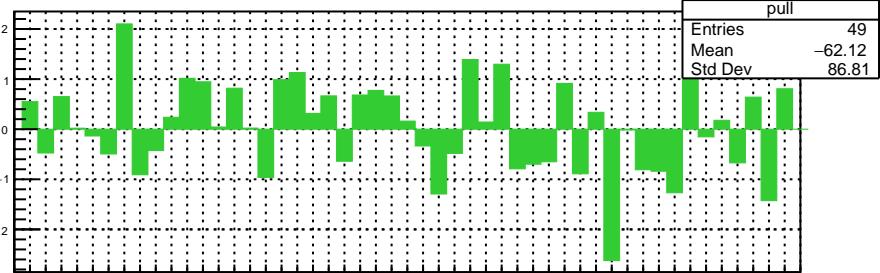
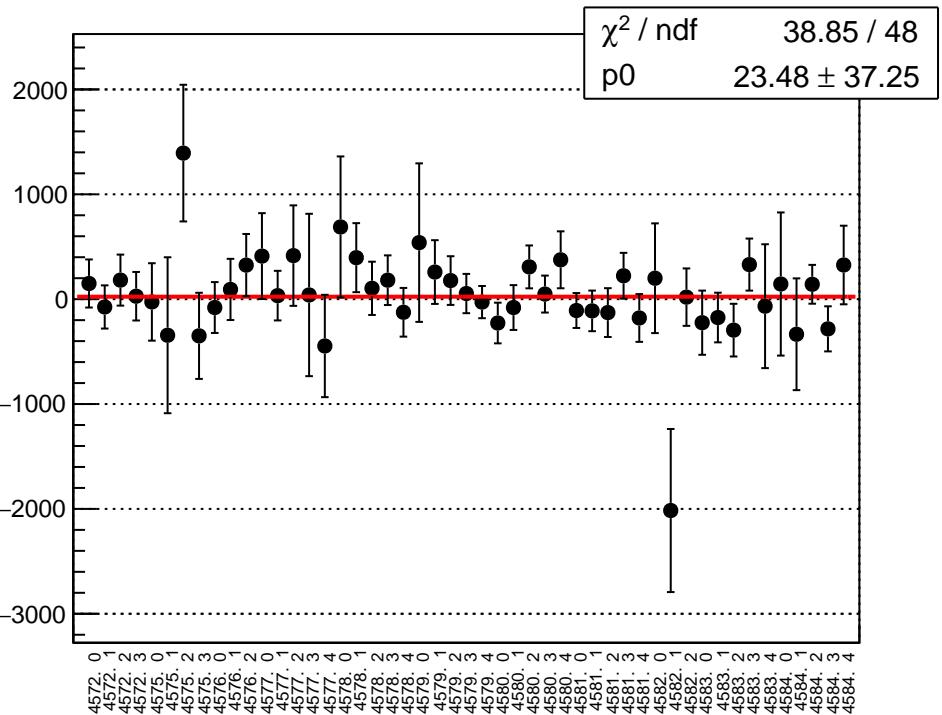
asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs run



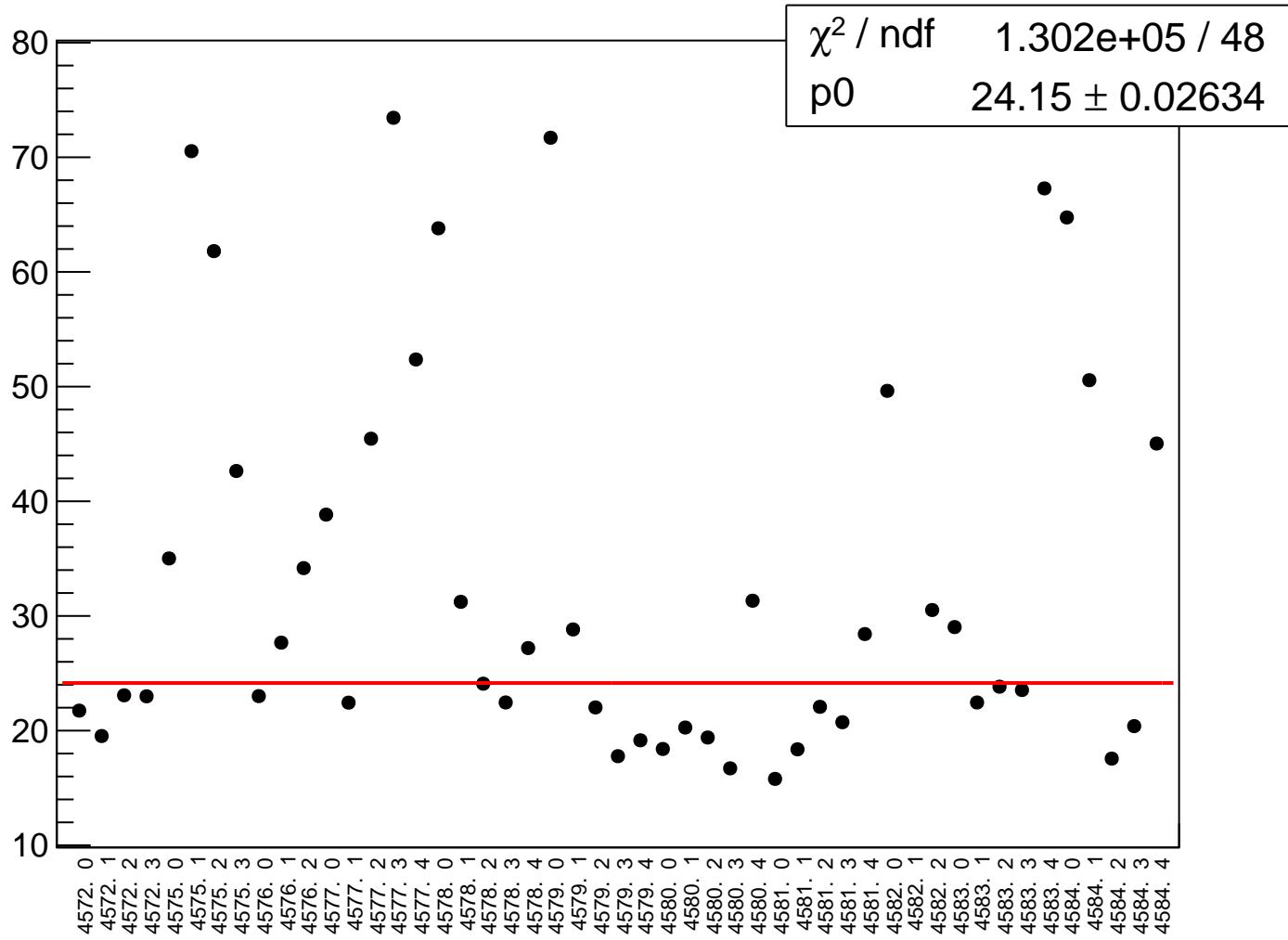
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run



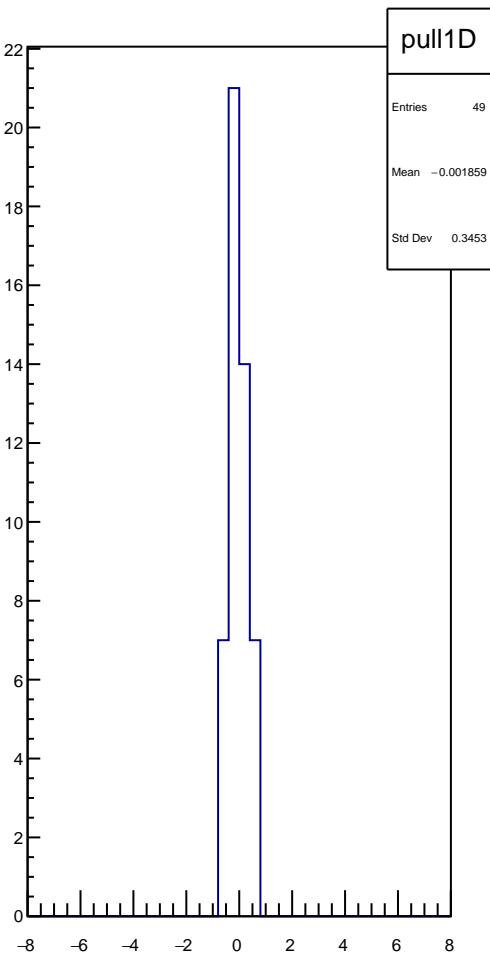
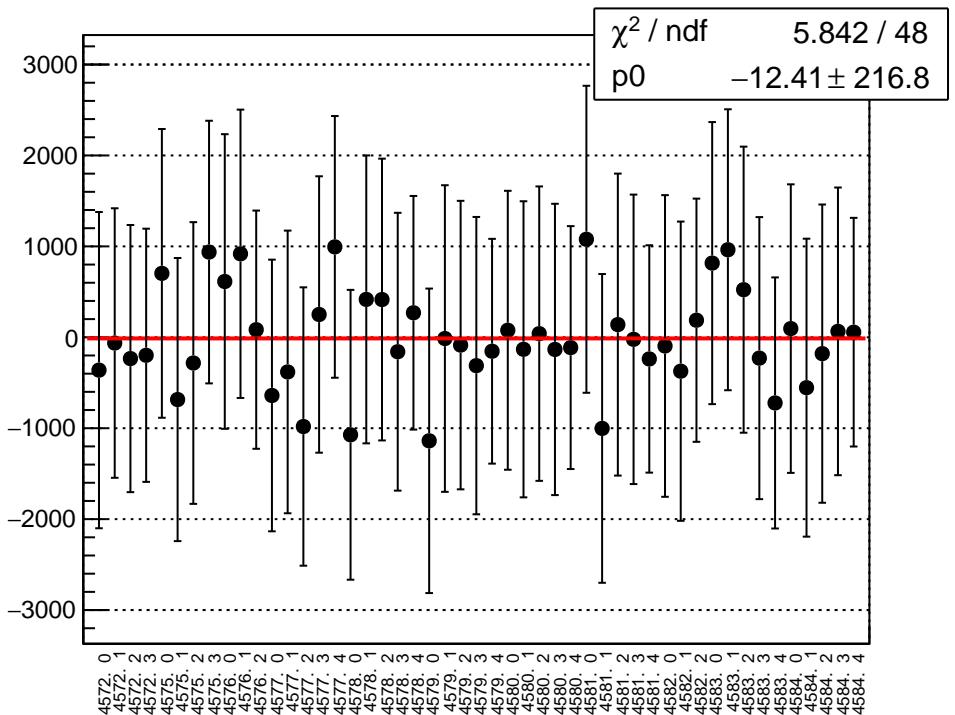
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



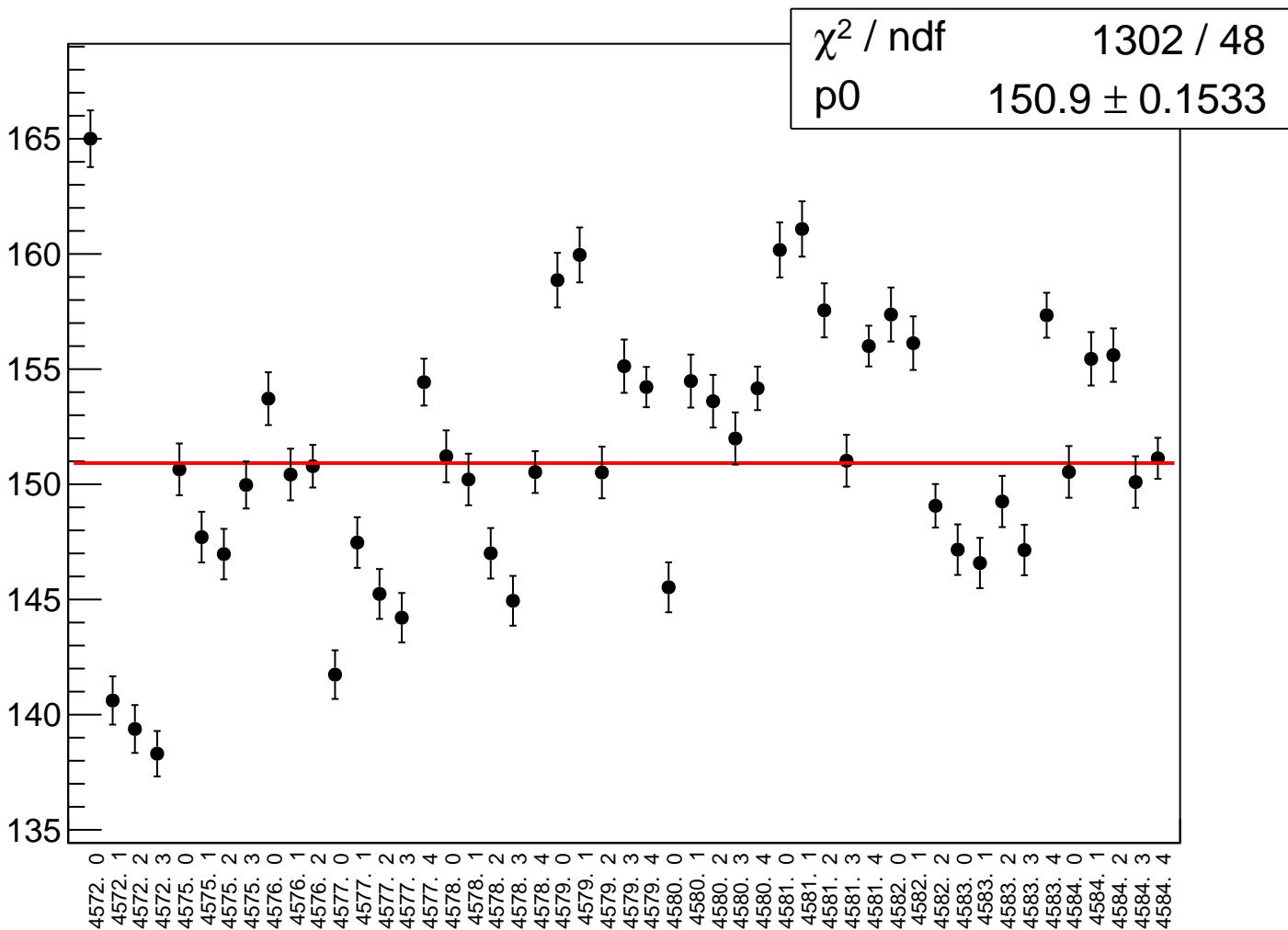
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run



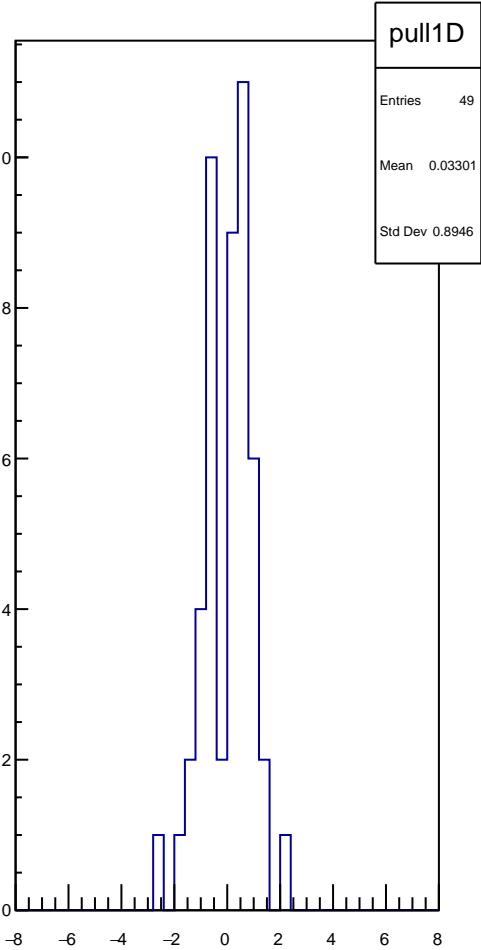
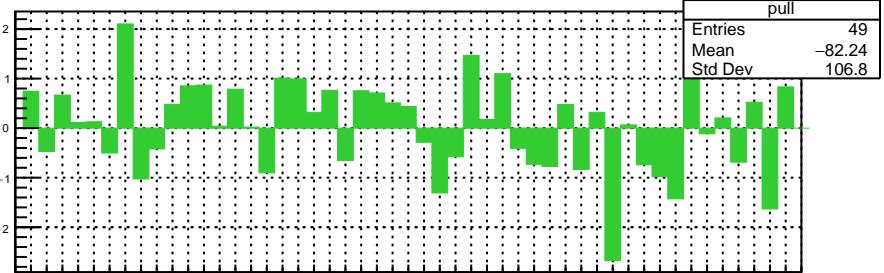
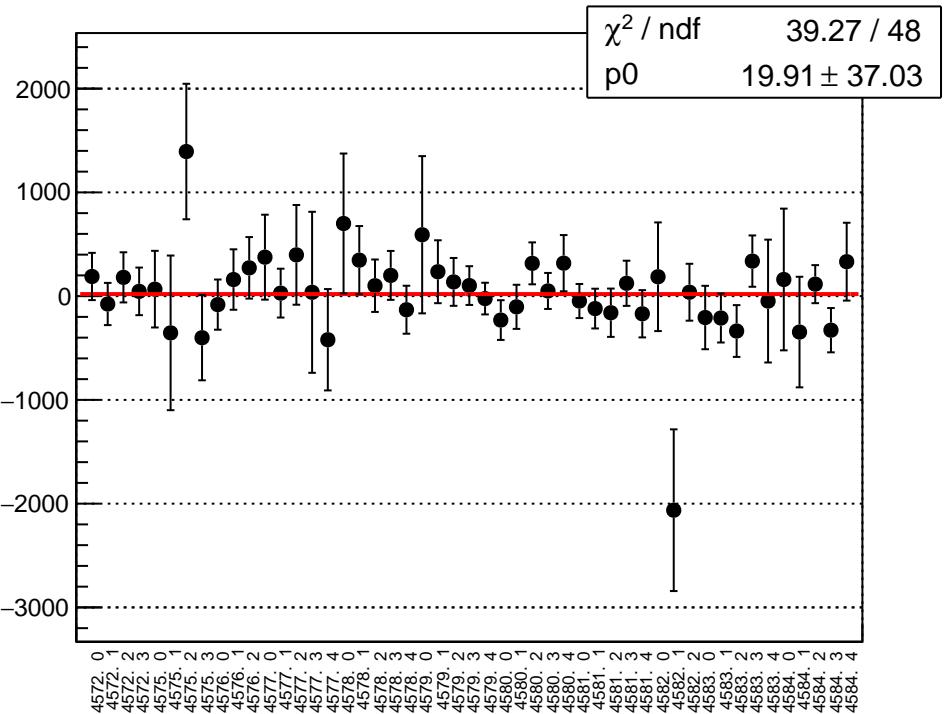
asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_mean vs run



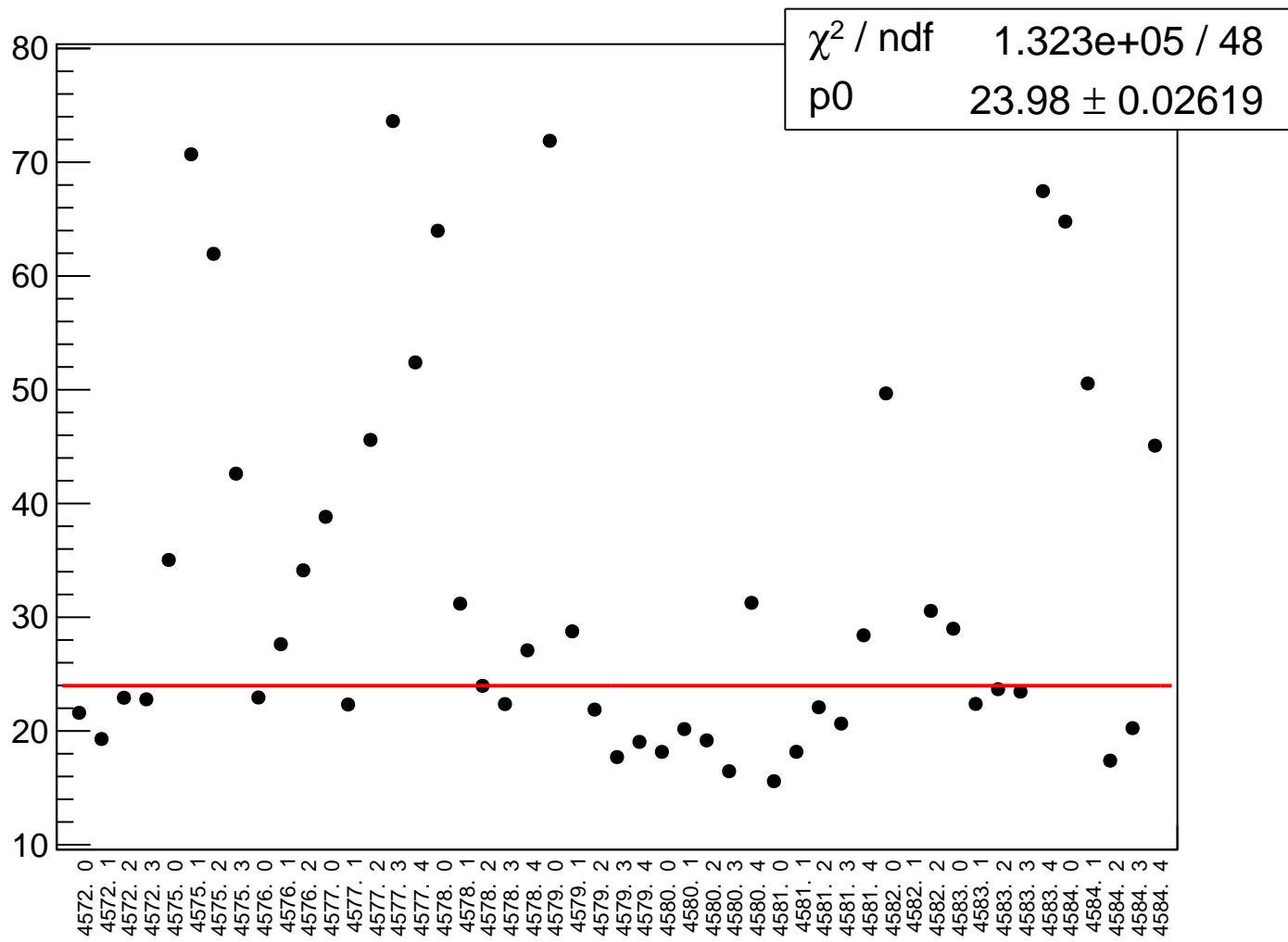
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_rms vs run



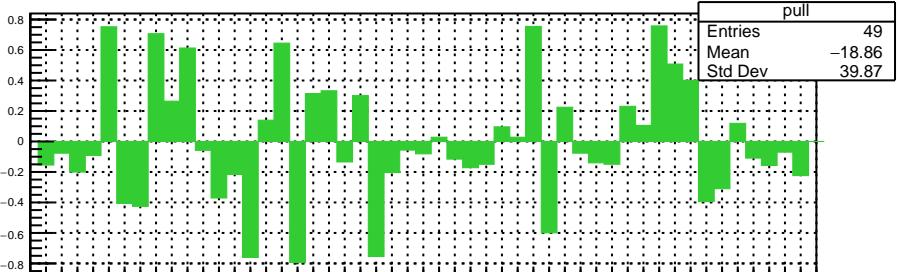
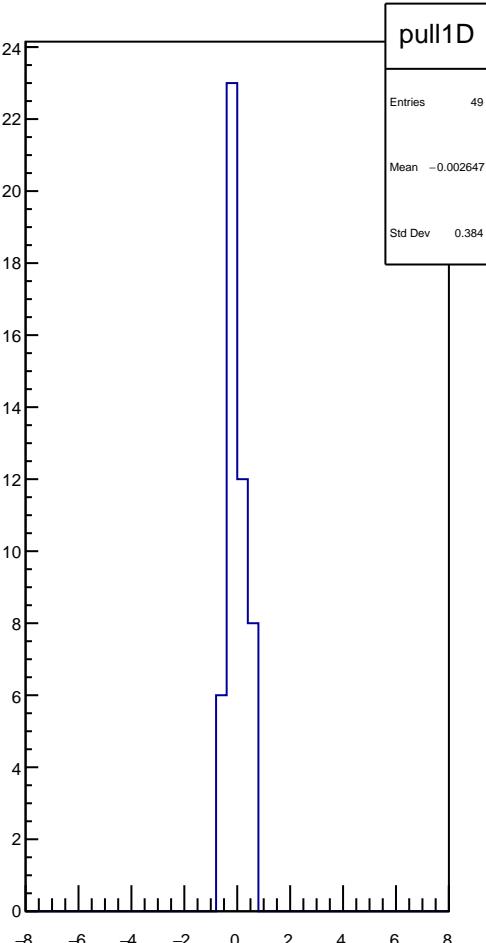
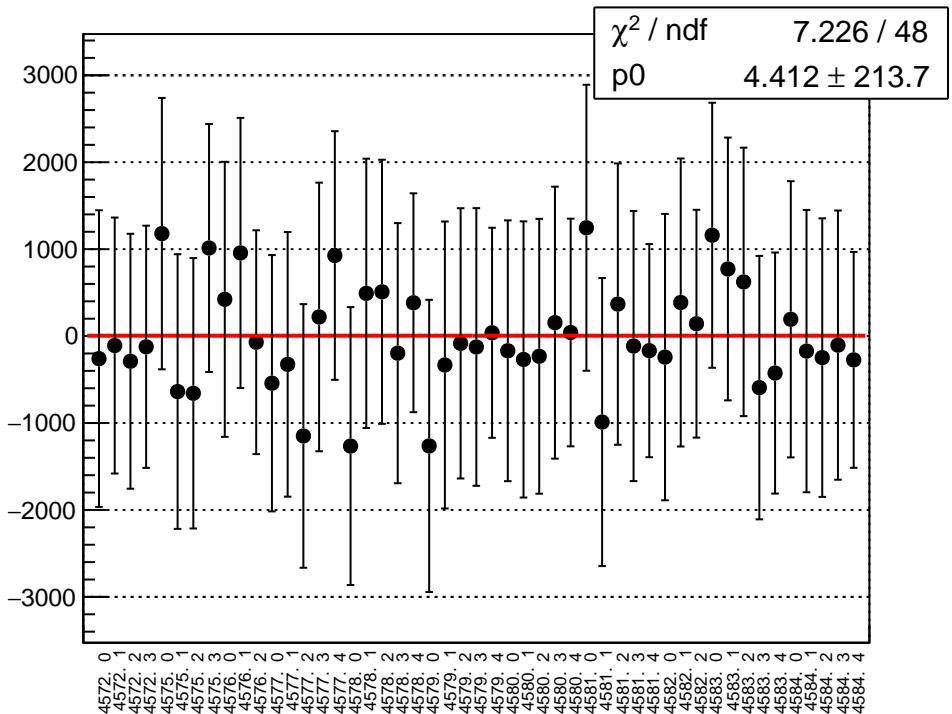
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_mean vs run



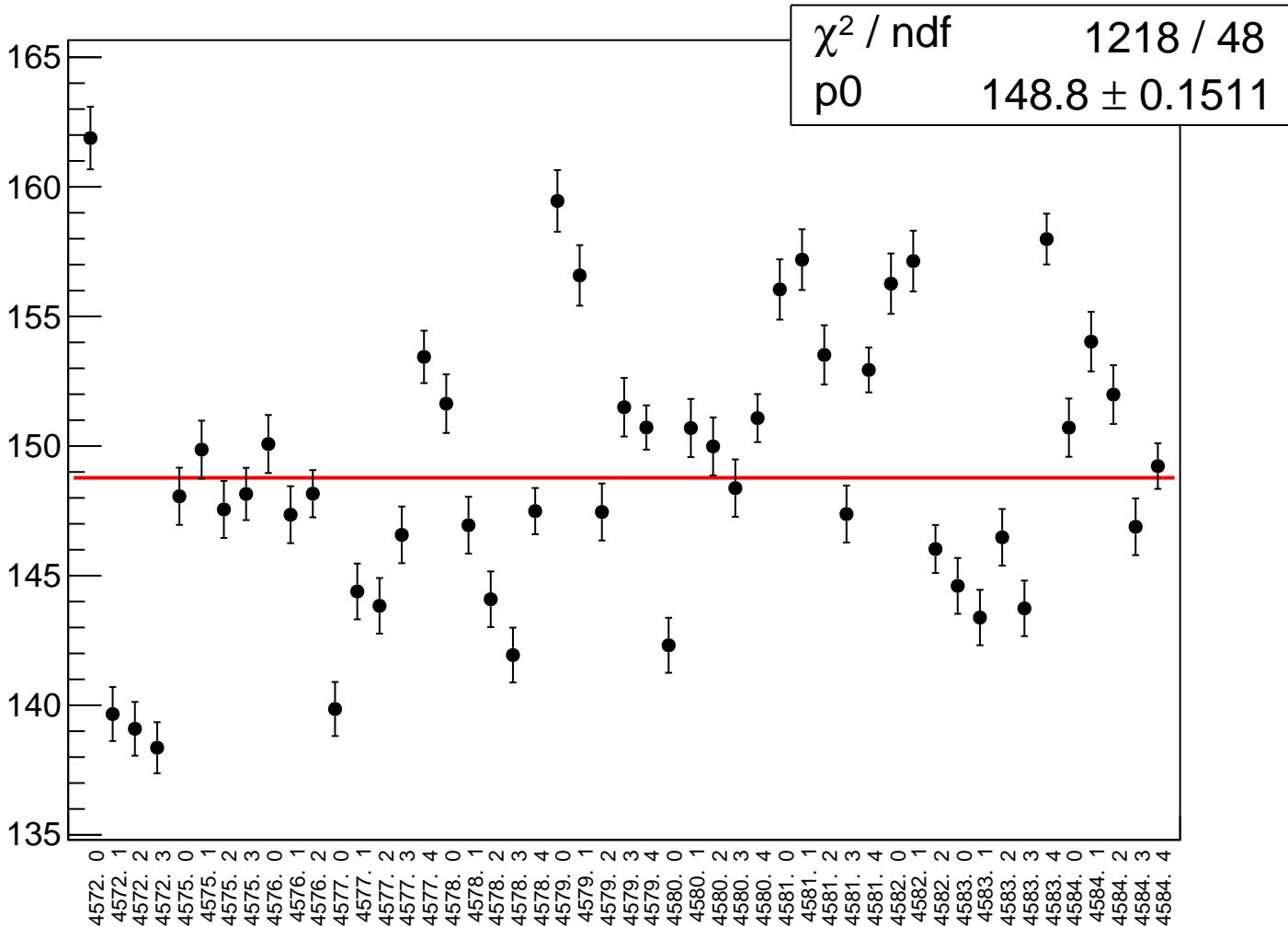
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_rms vs run



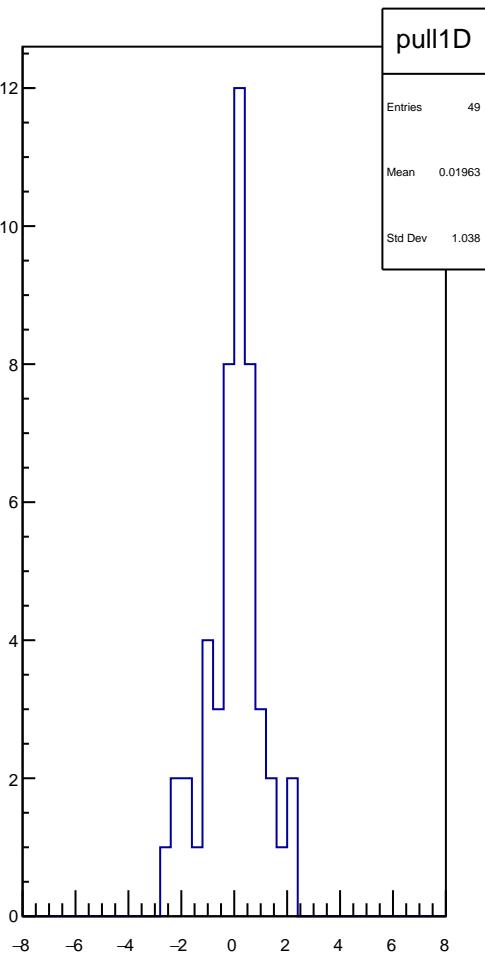
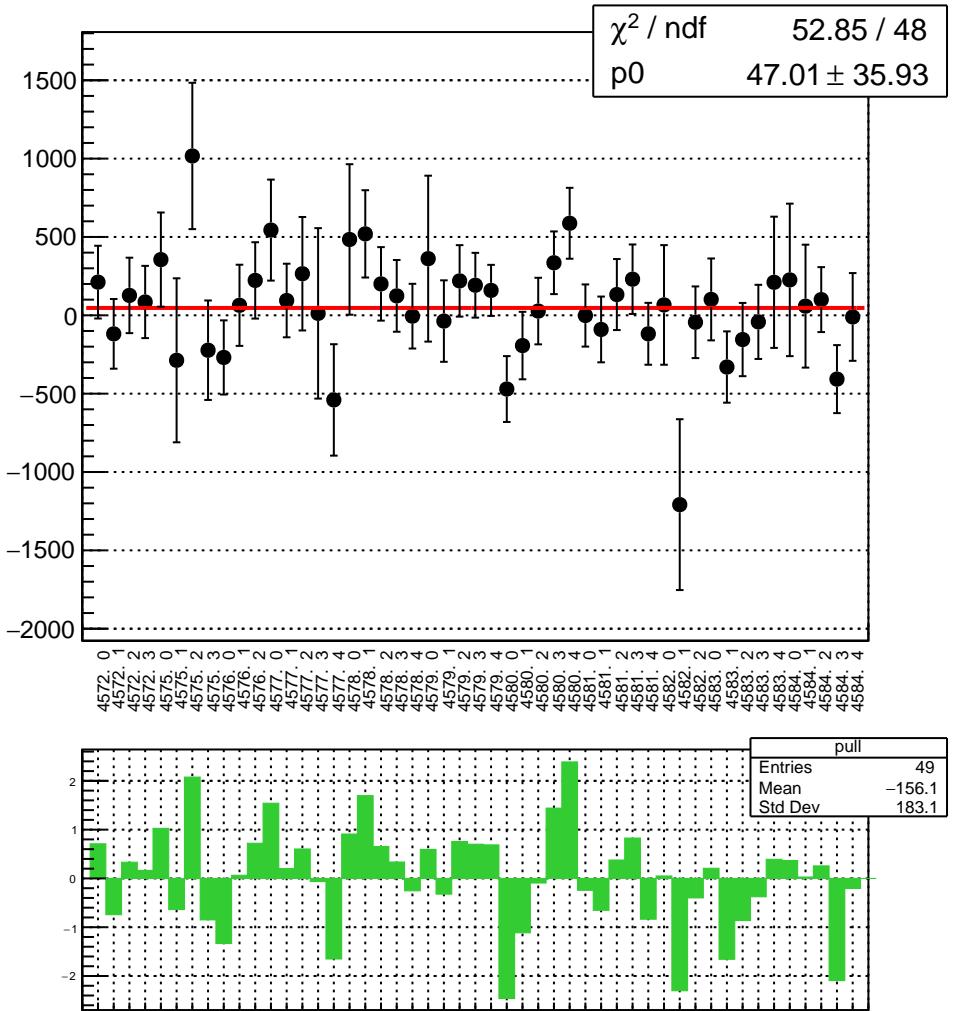
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



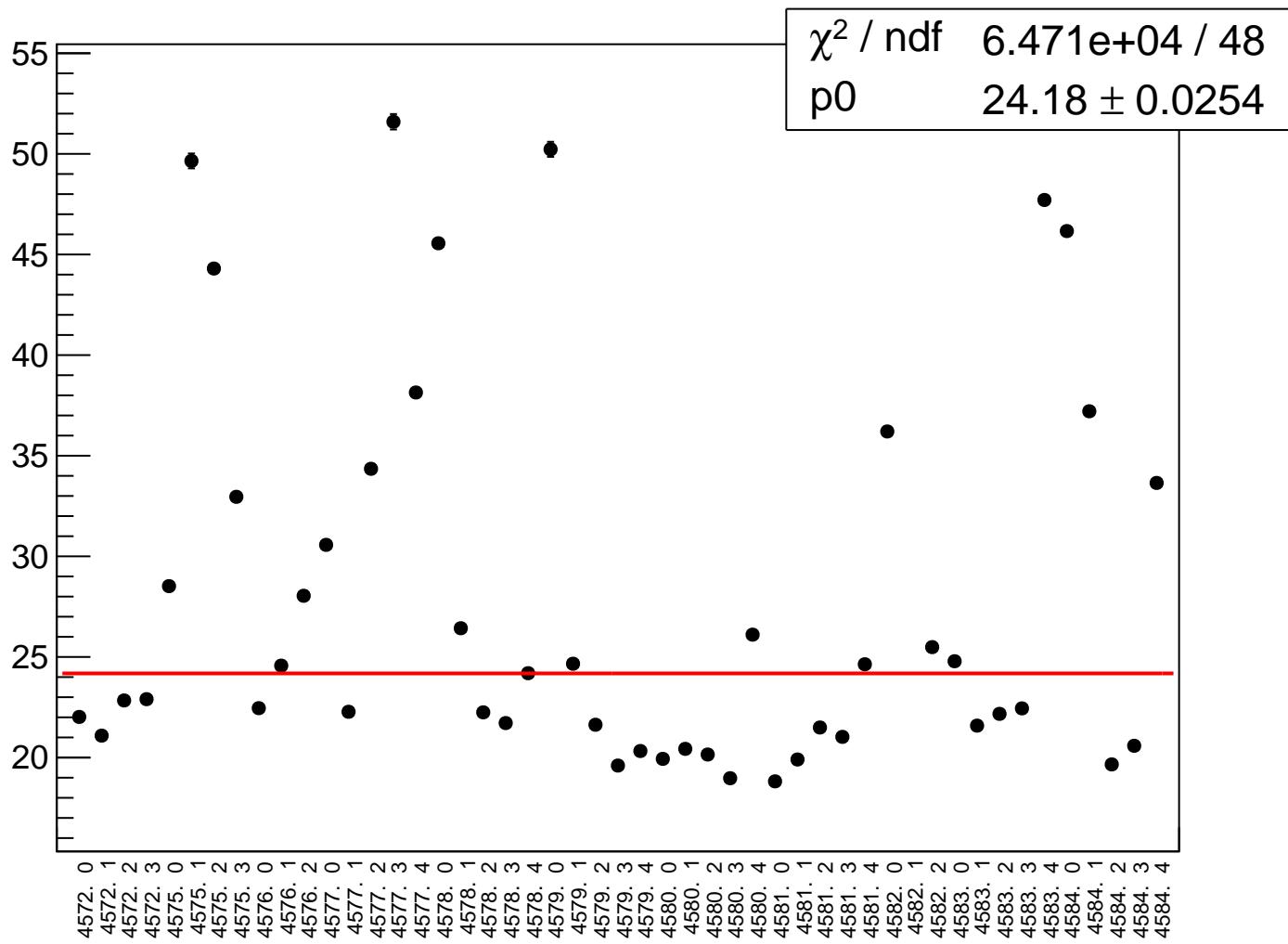
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_rms vs run



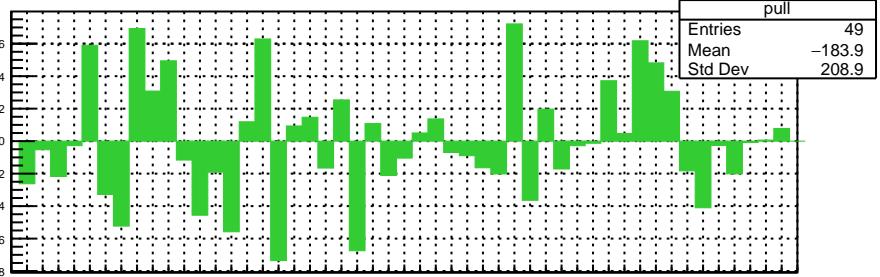
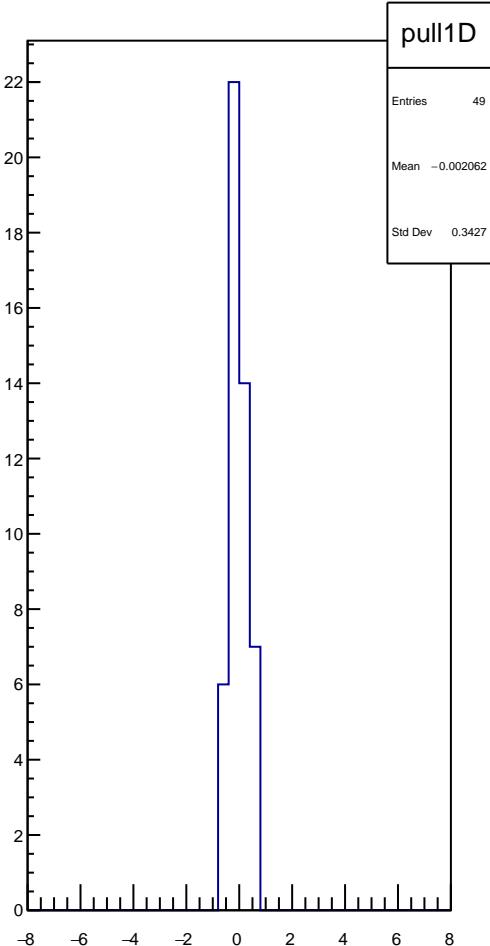
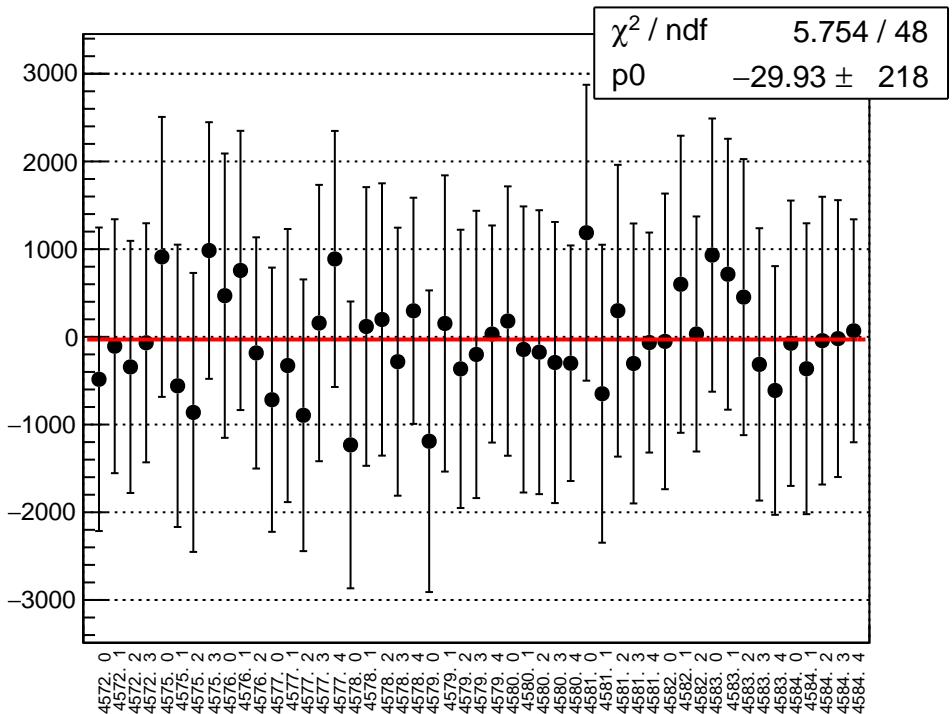
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



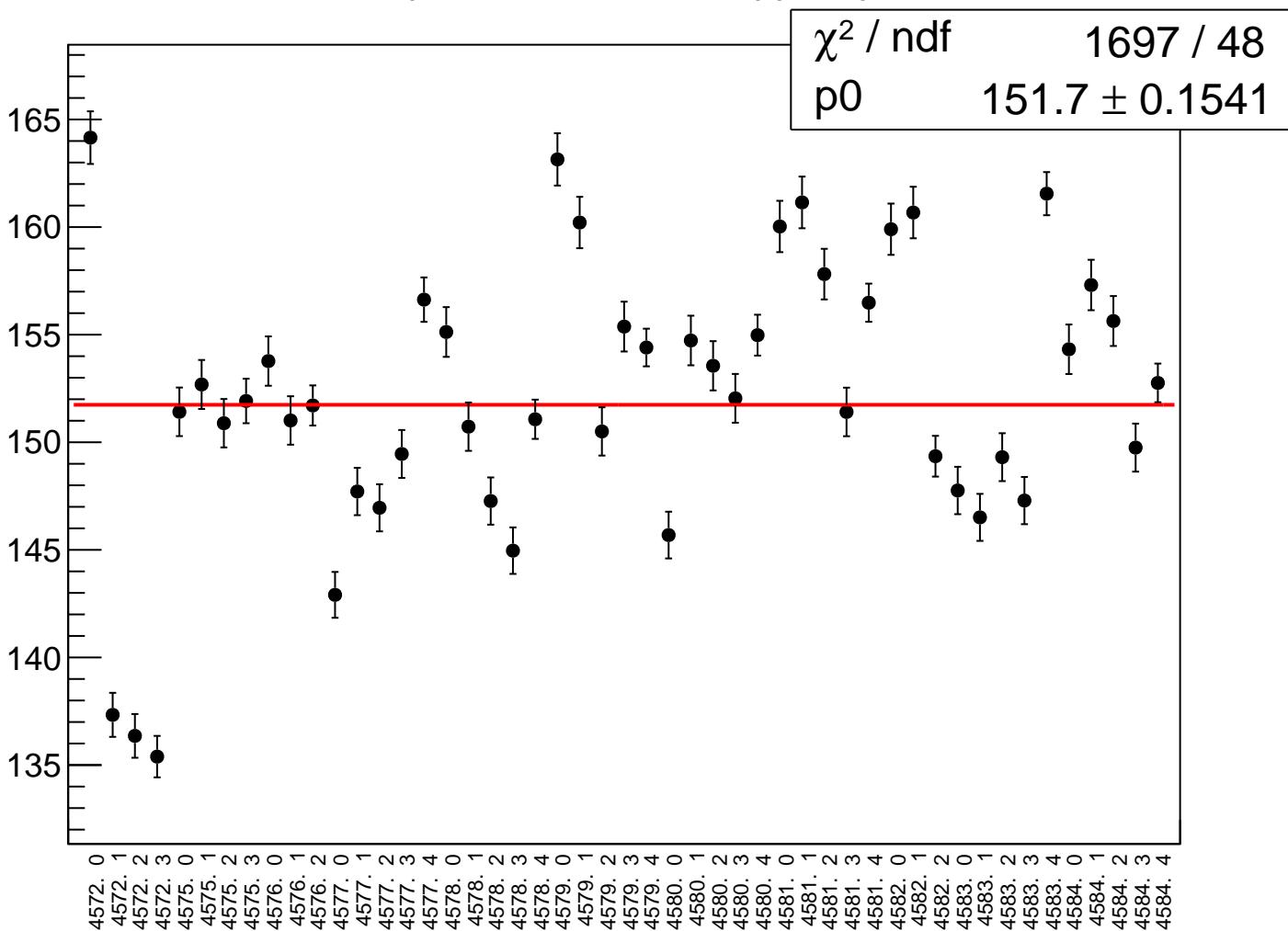
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run



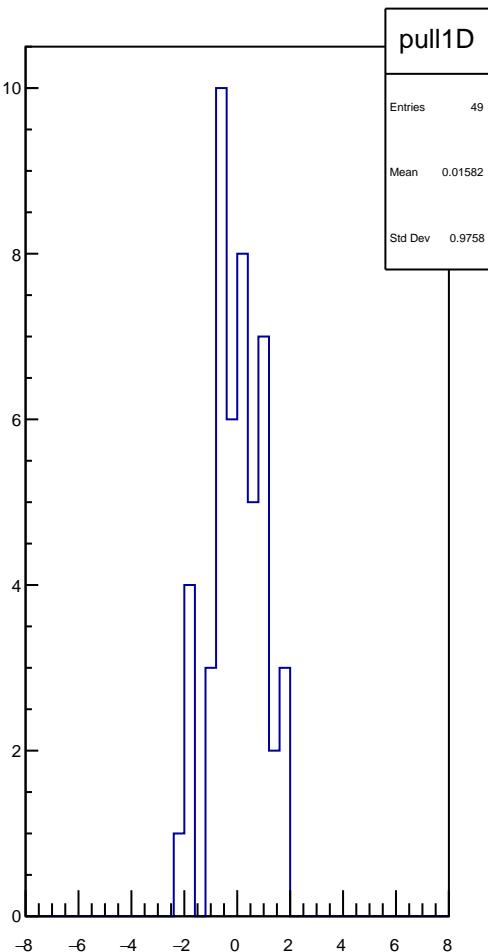
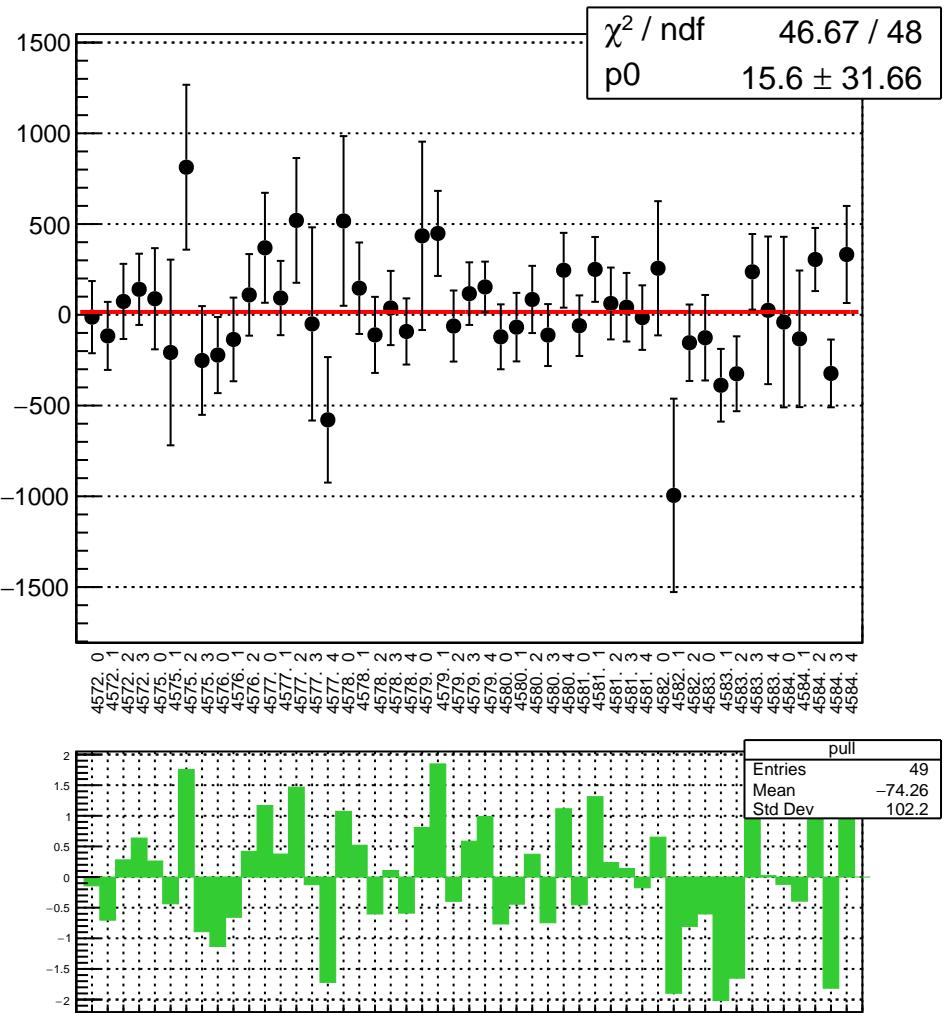
asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_mean vs run



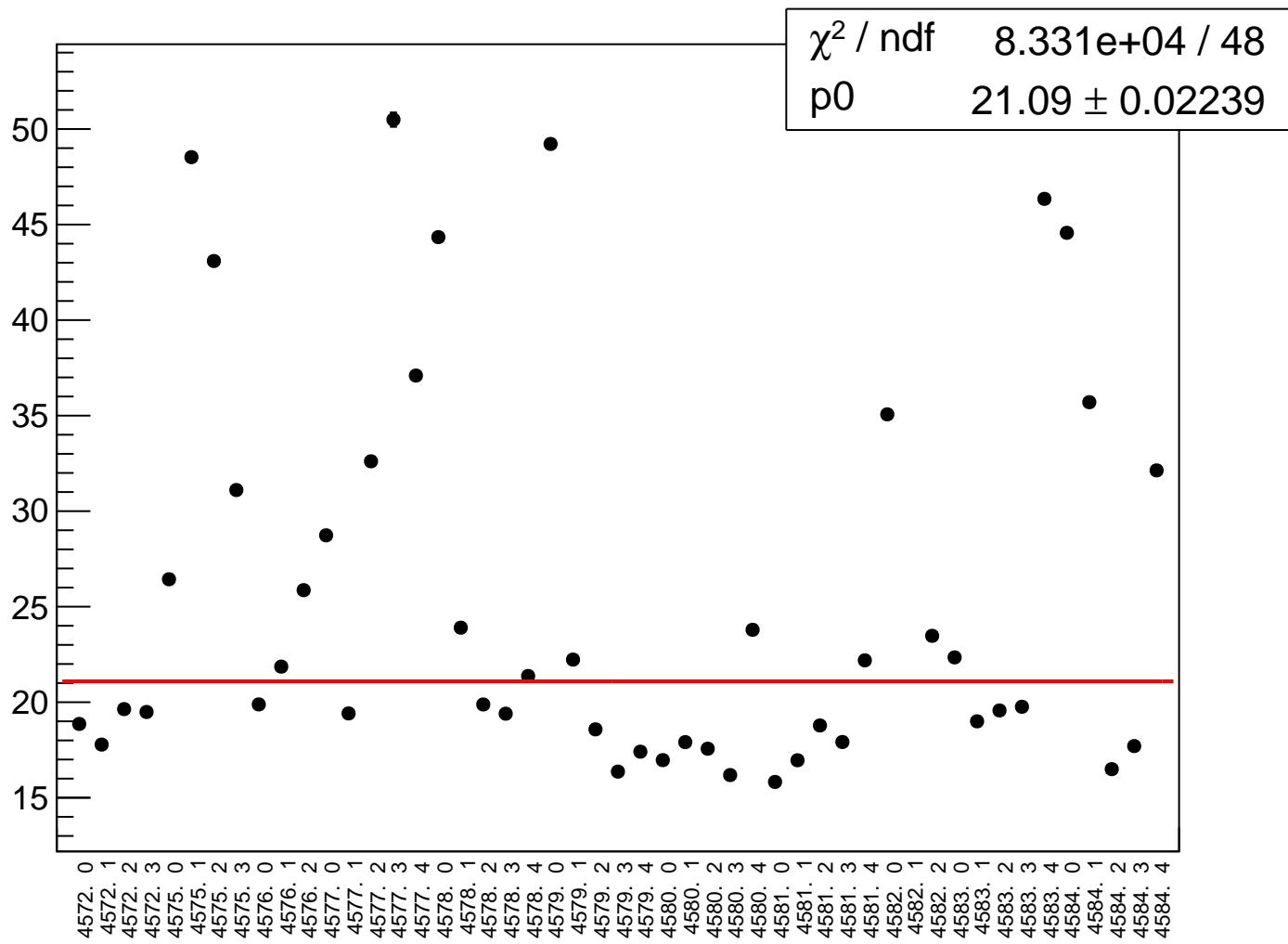
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_rms vs run



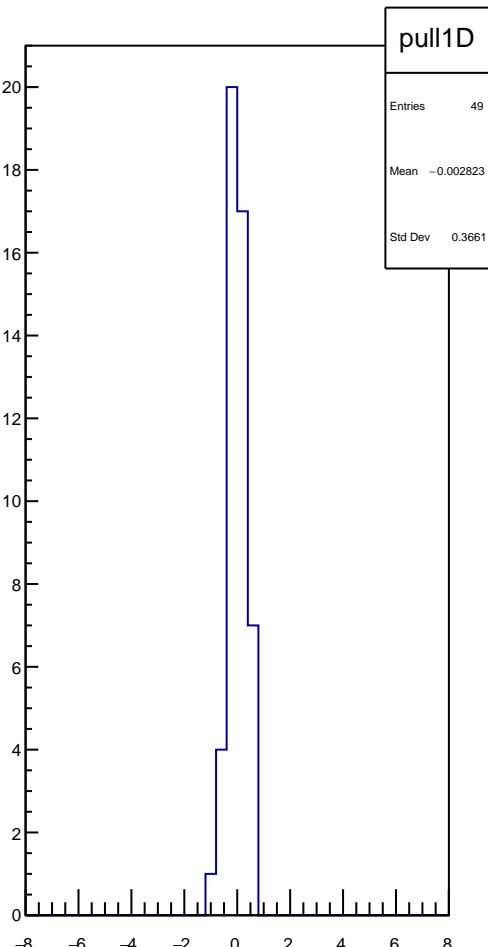
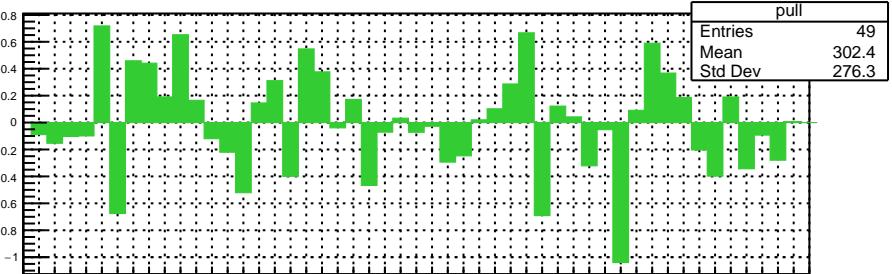
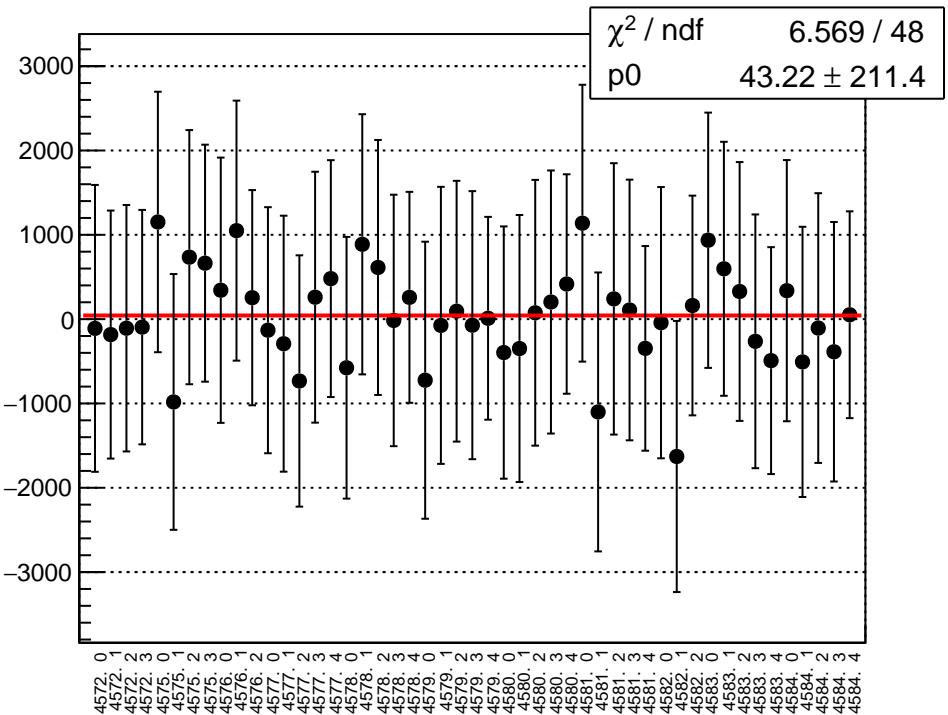
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_mean vs run



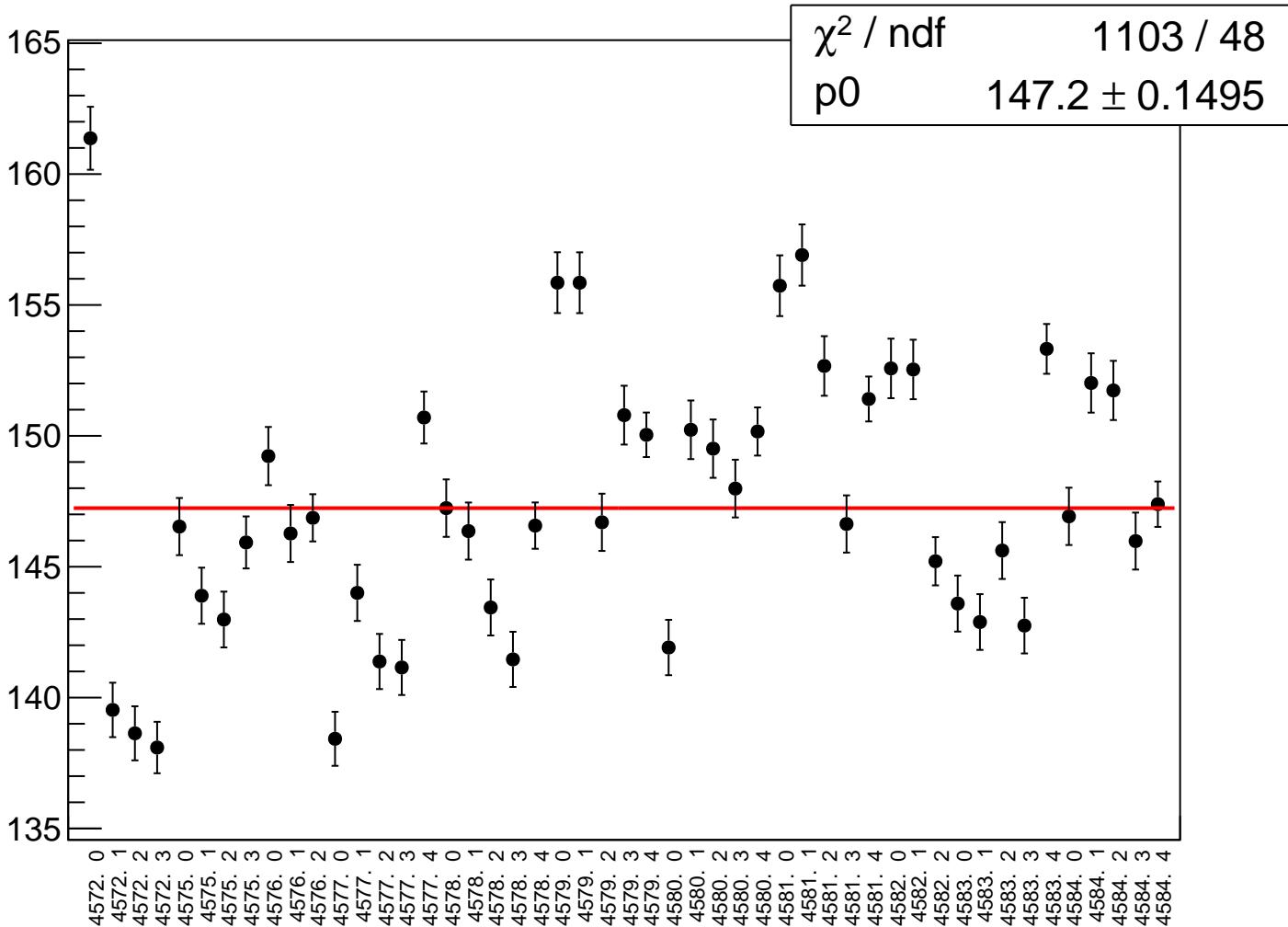
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_rms vs run



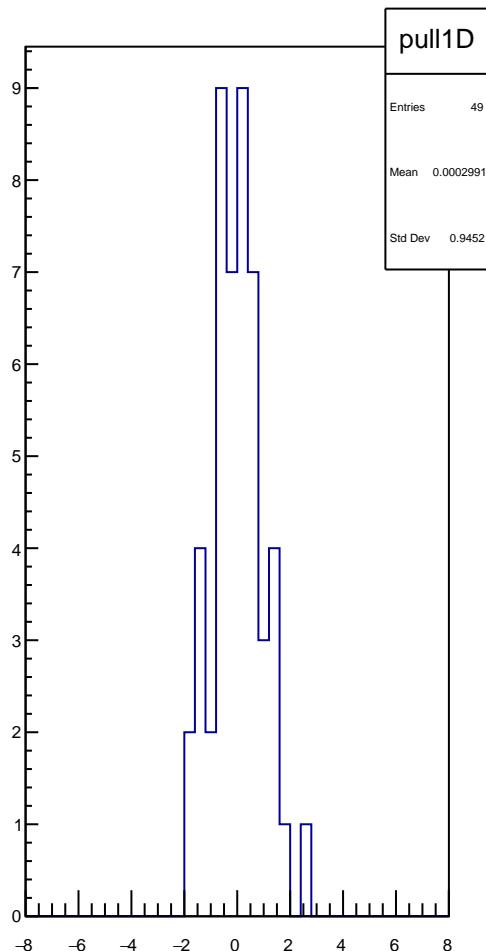
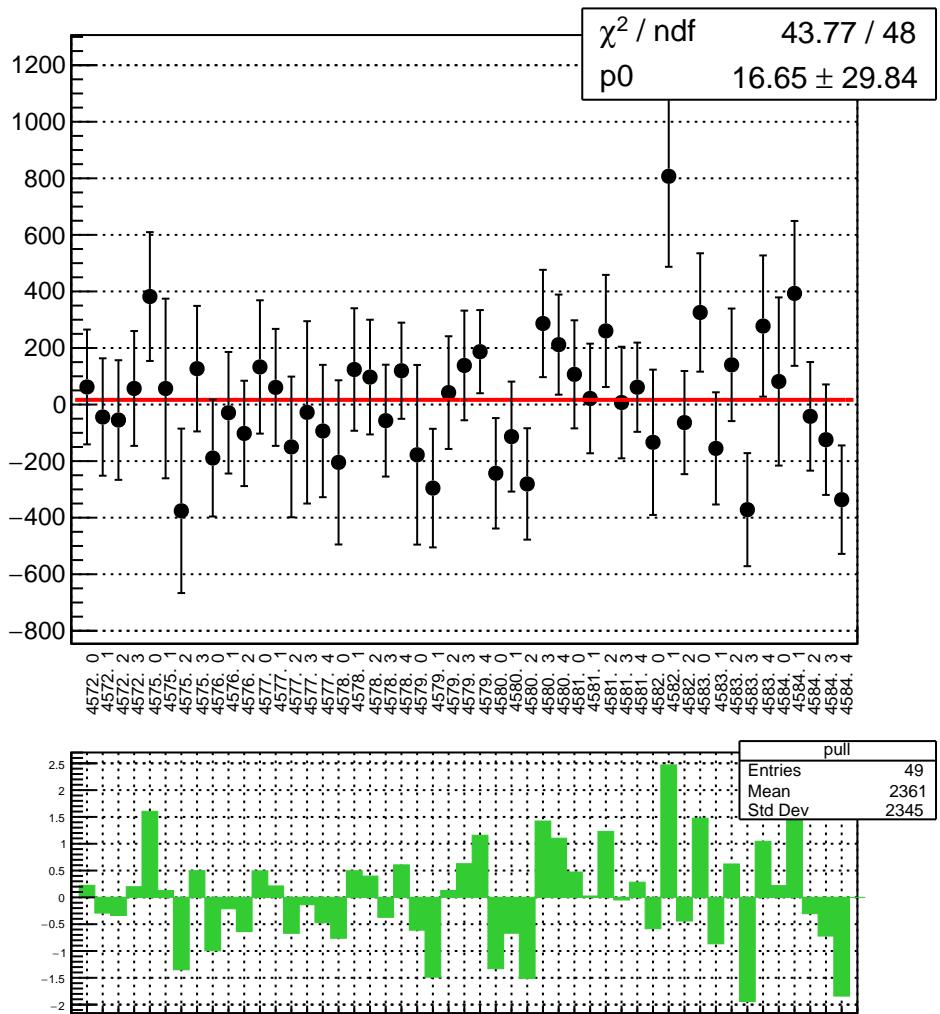
asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_mean vs run



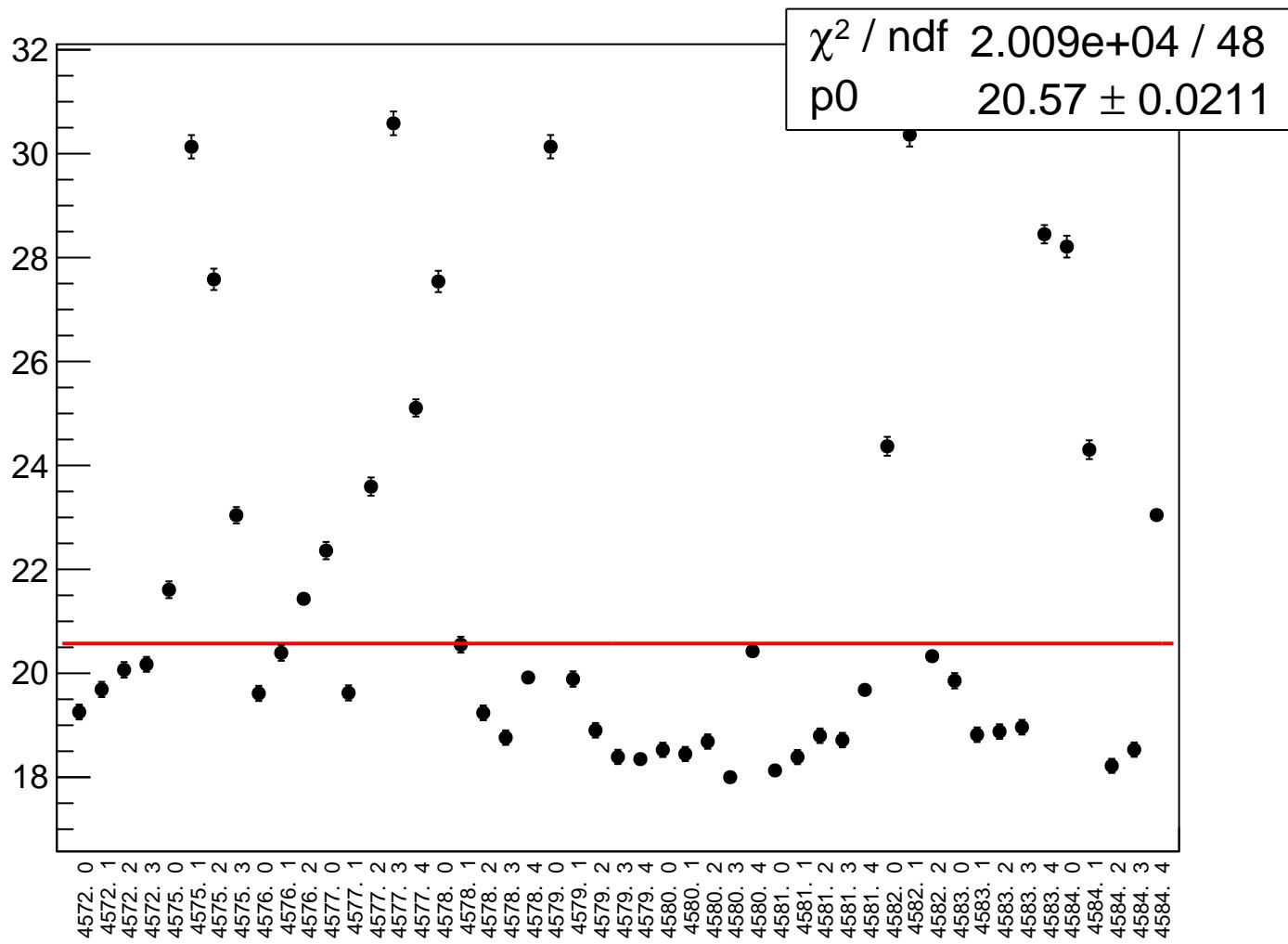
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_rms vs run



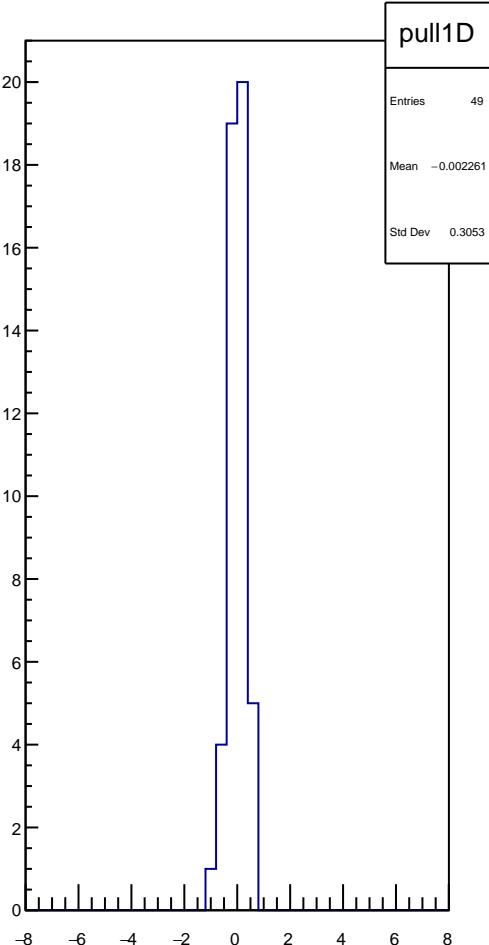
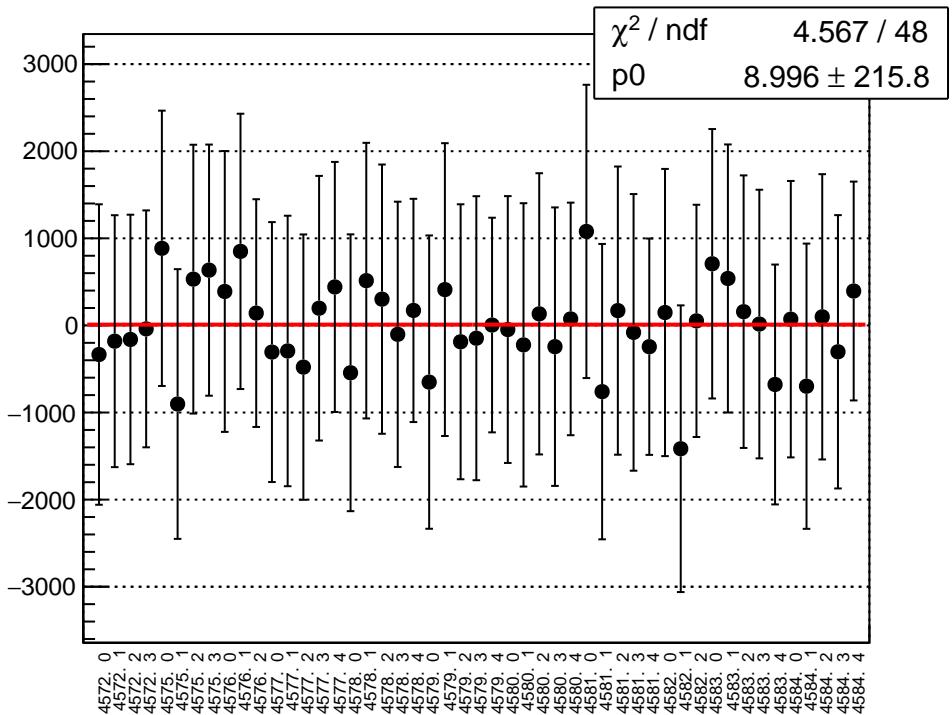
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_mean vs run



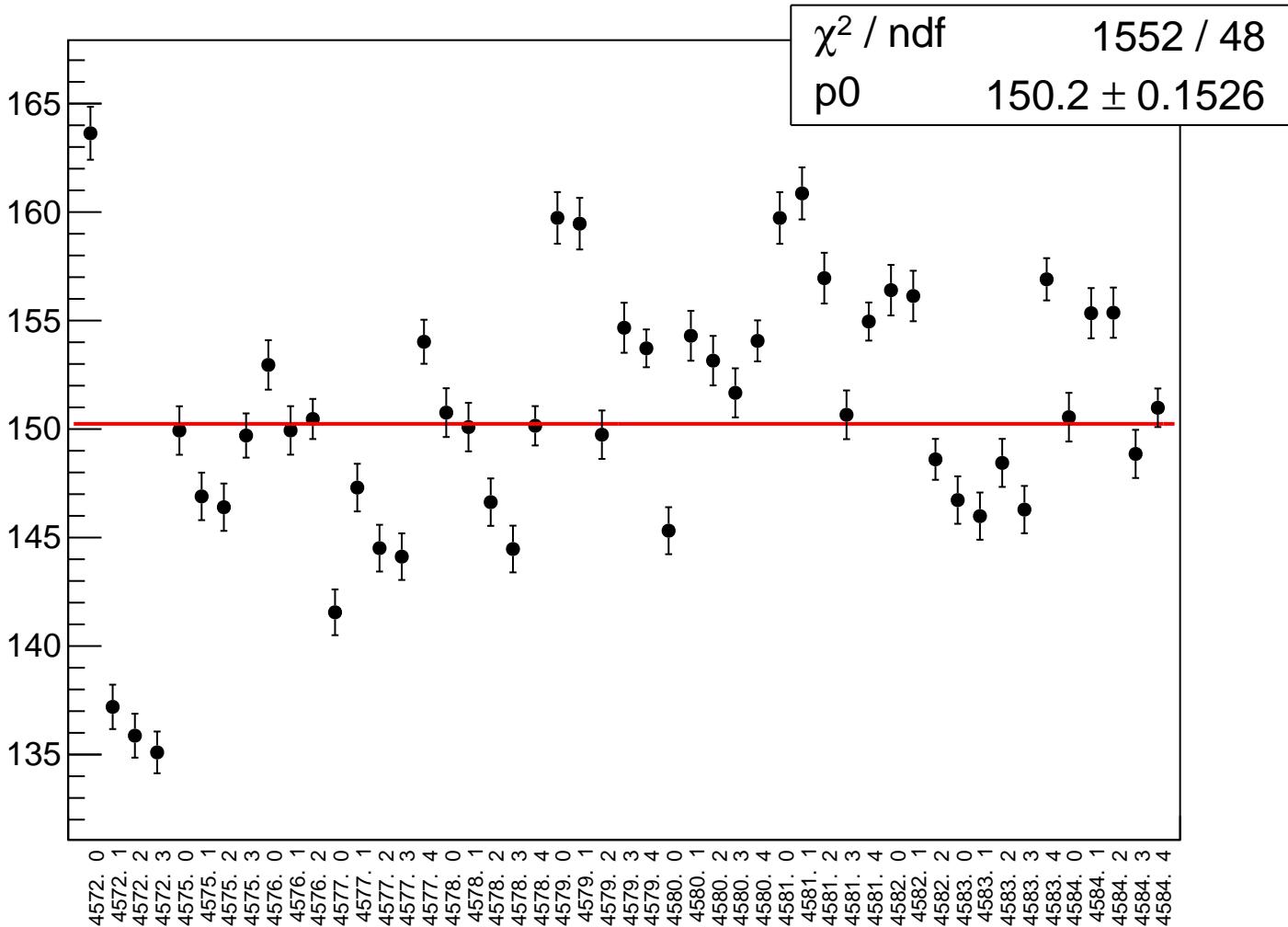
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_rms vs run



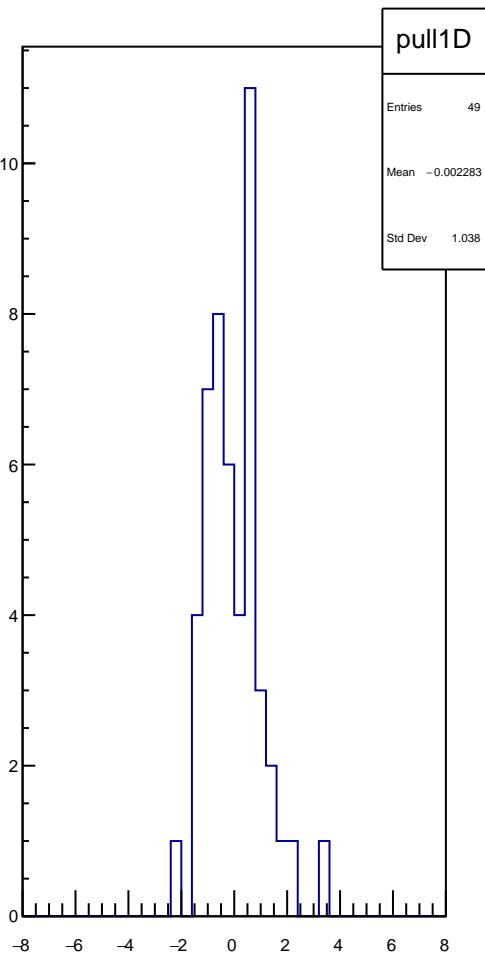
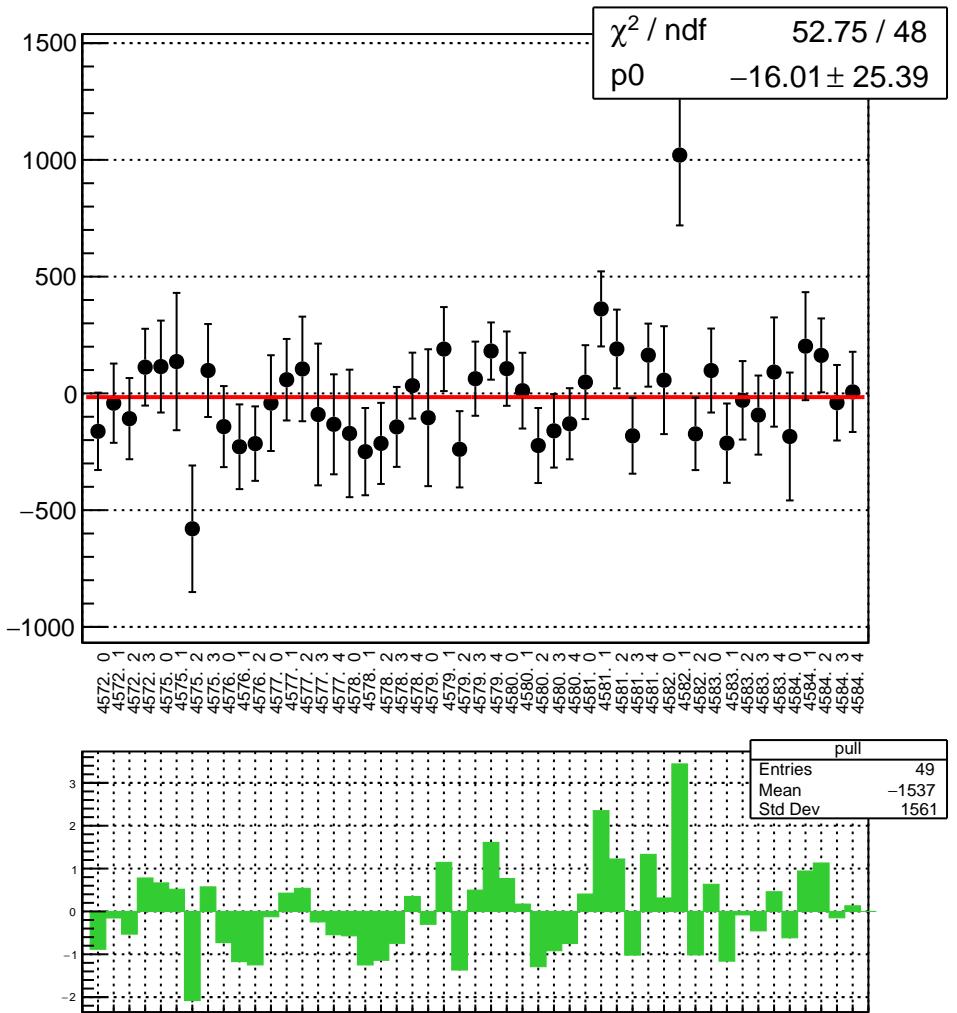
asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_mean vs run



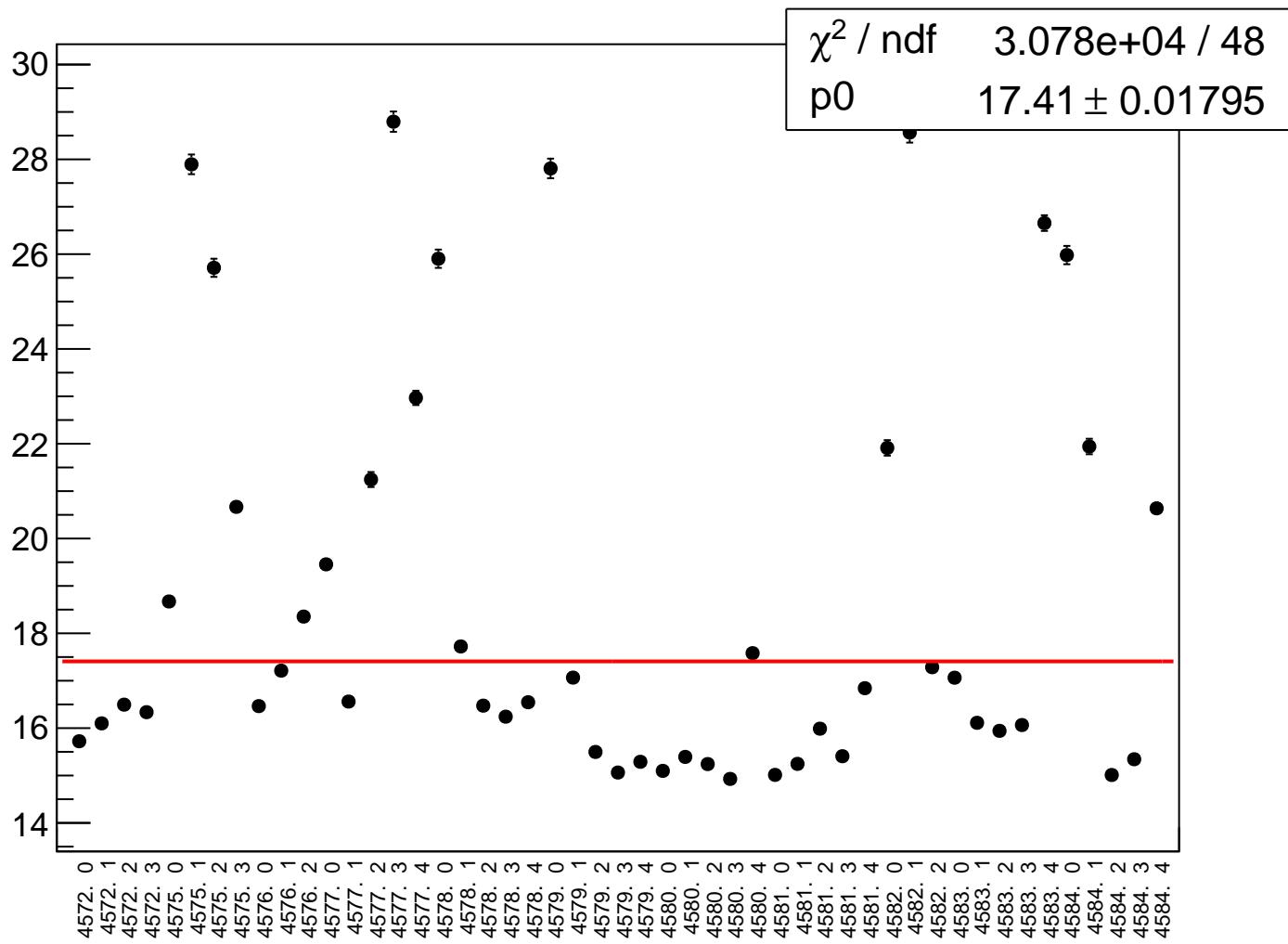
# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_rms vs run



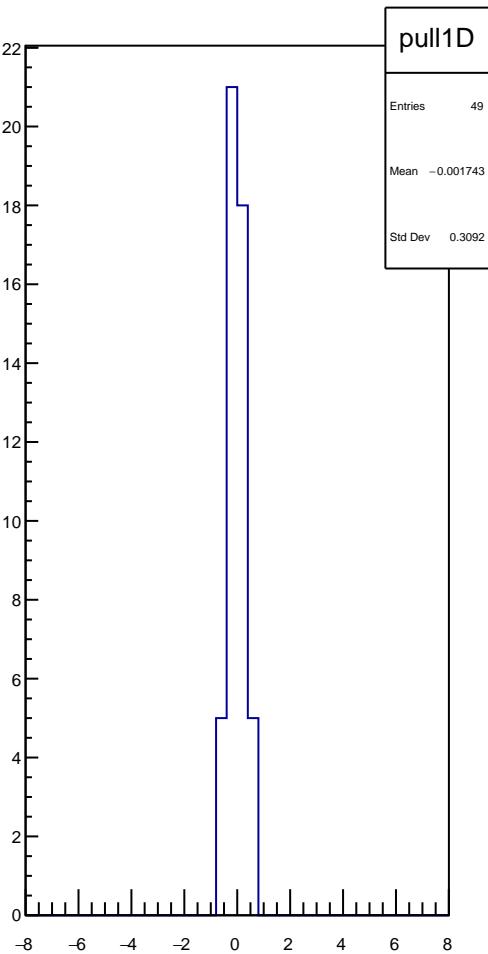
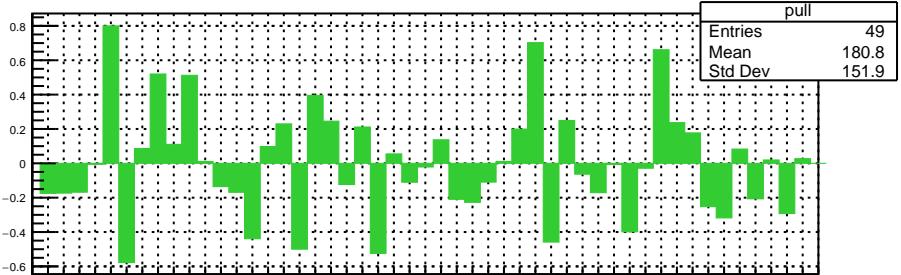
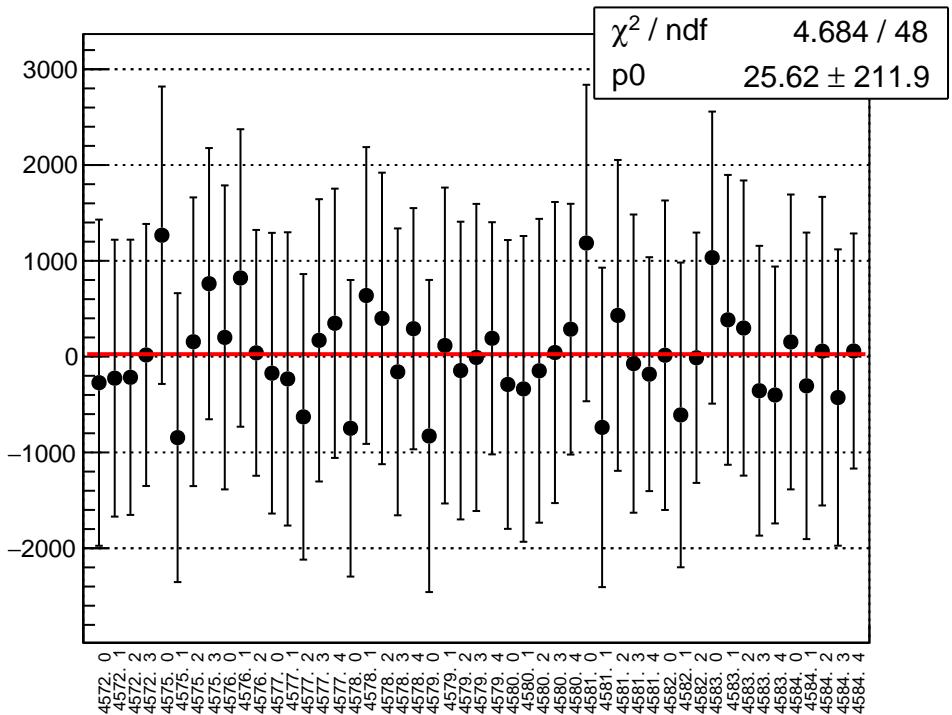
# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_mean vs run



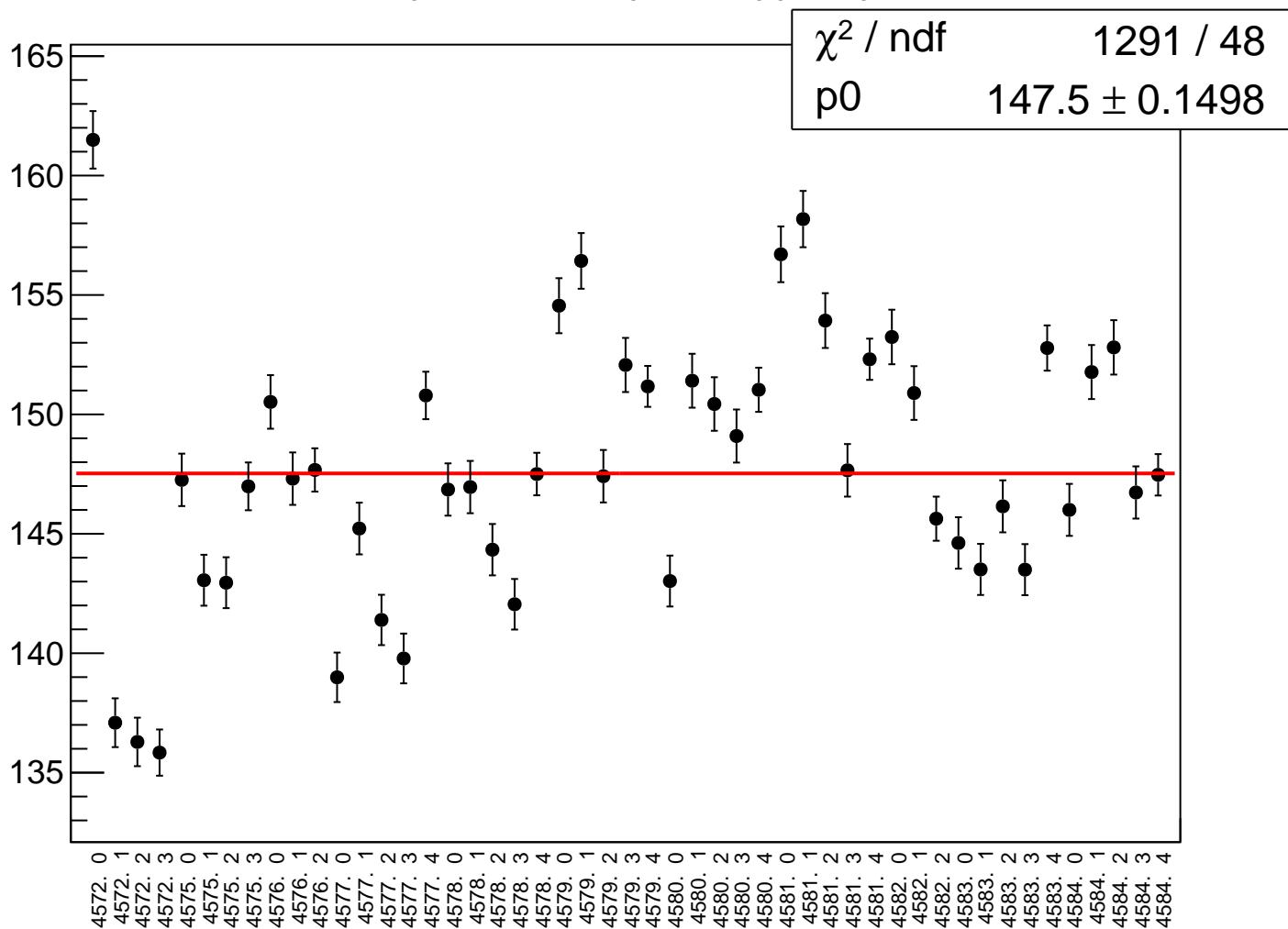
# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_rms vs run



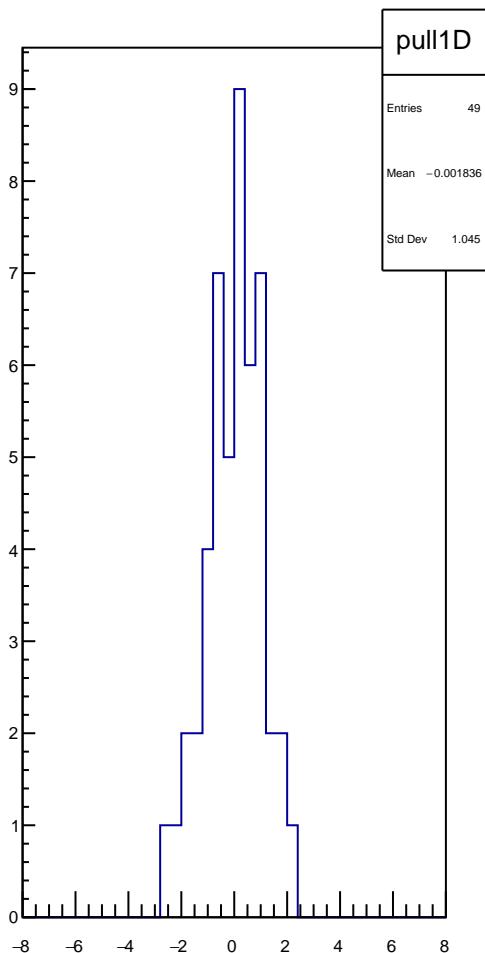
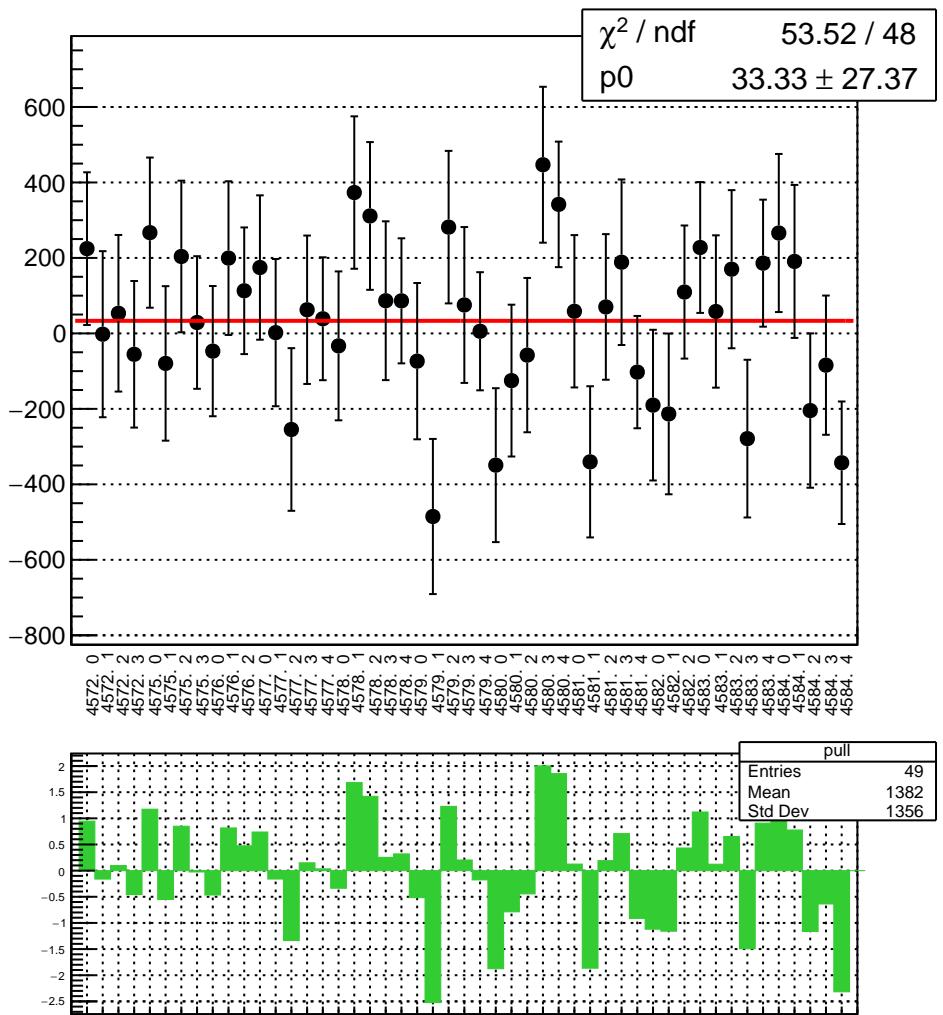
asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_mean vs run



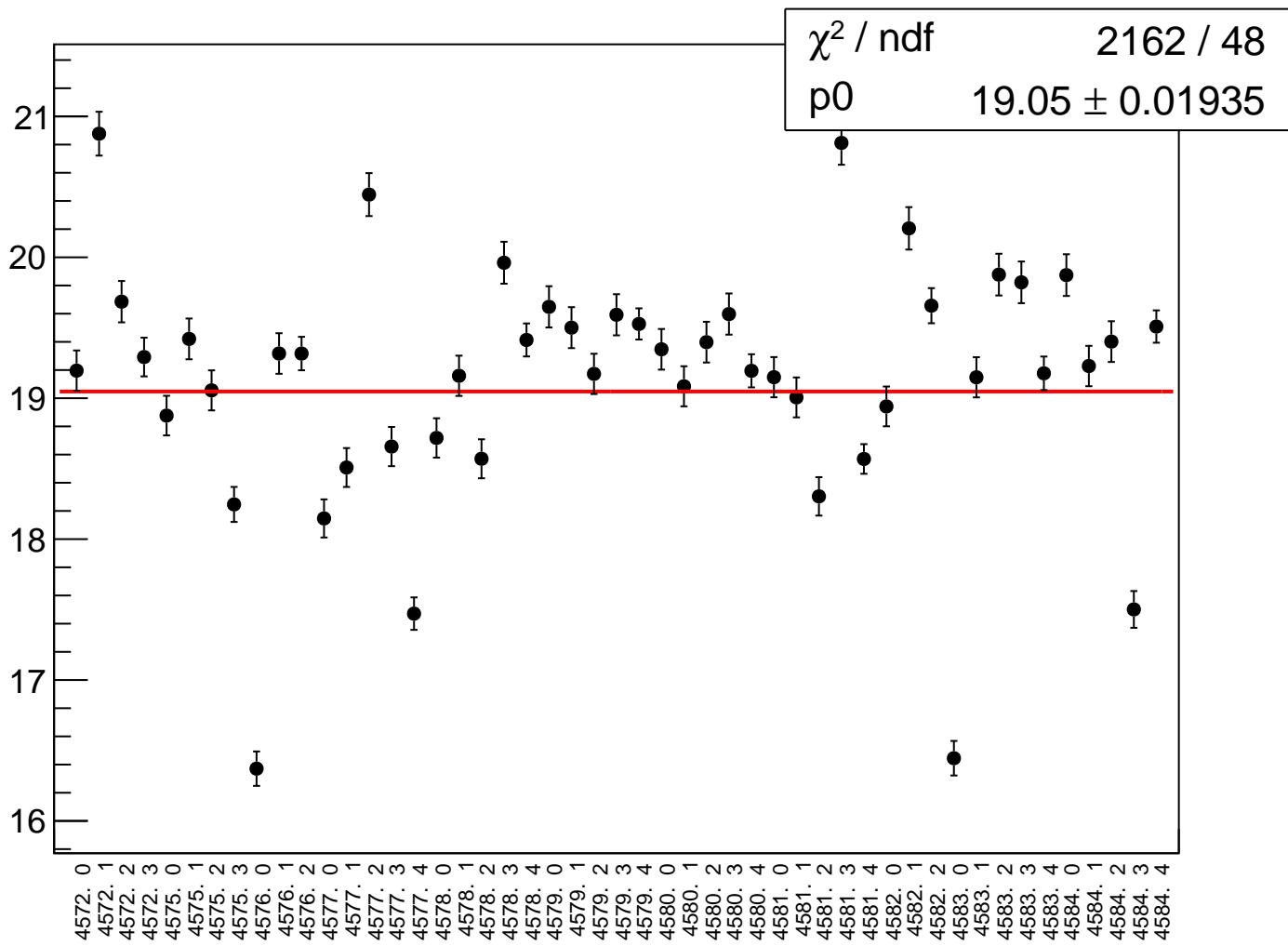
# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_rms vs run

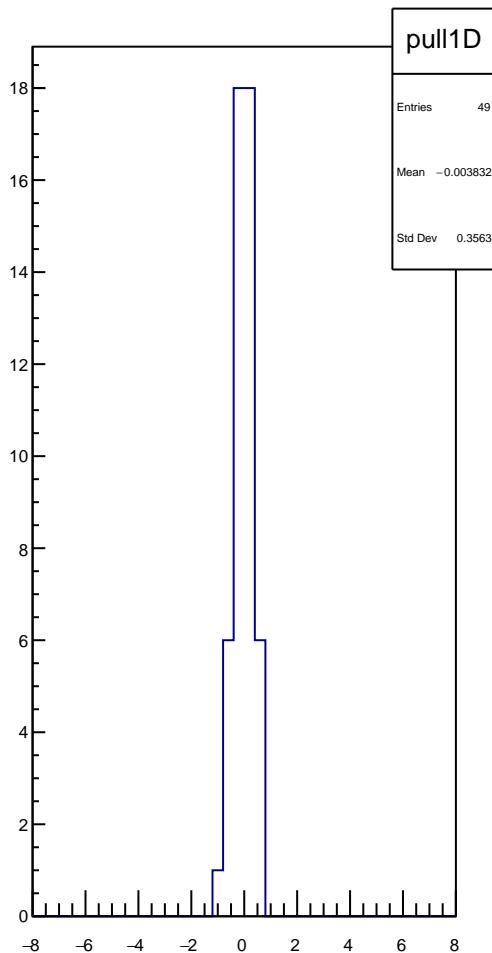
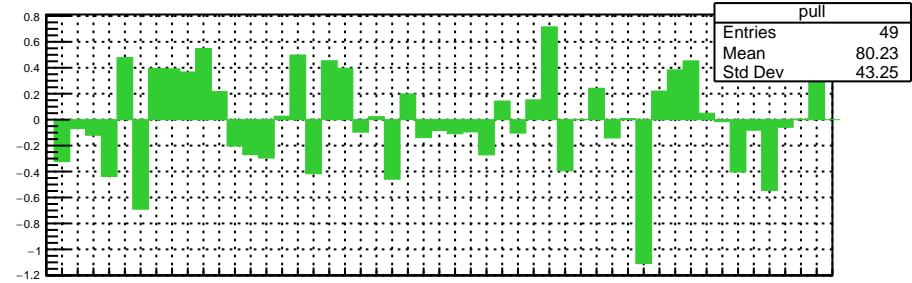
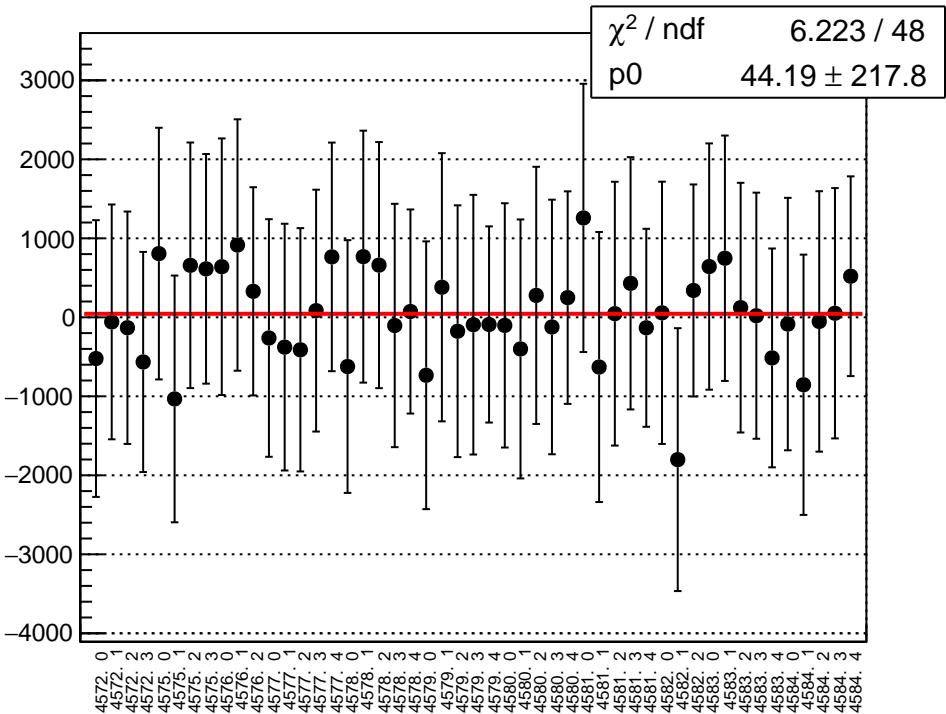


# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_mean vs run

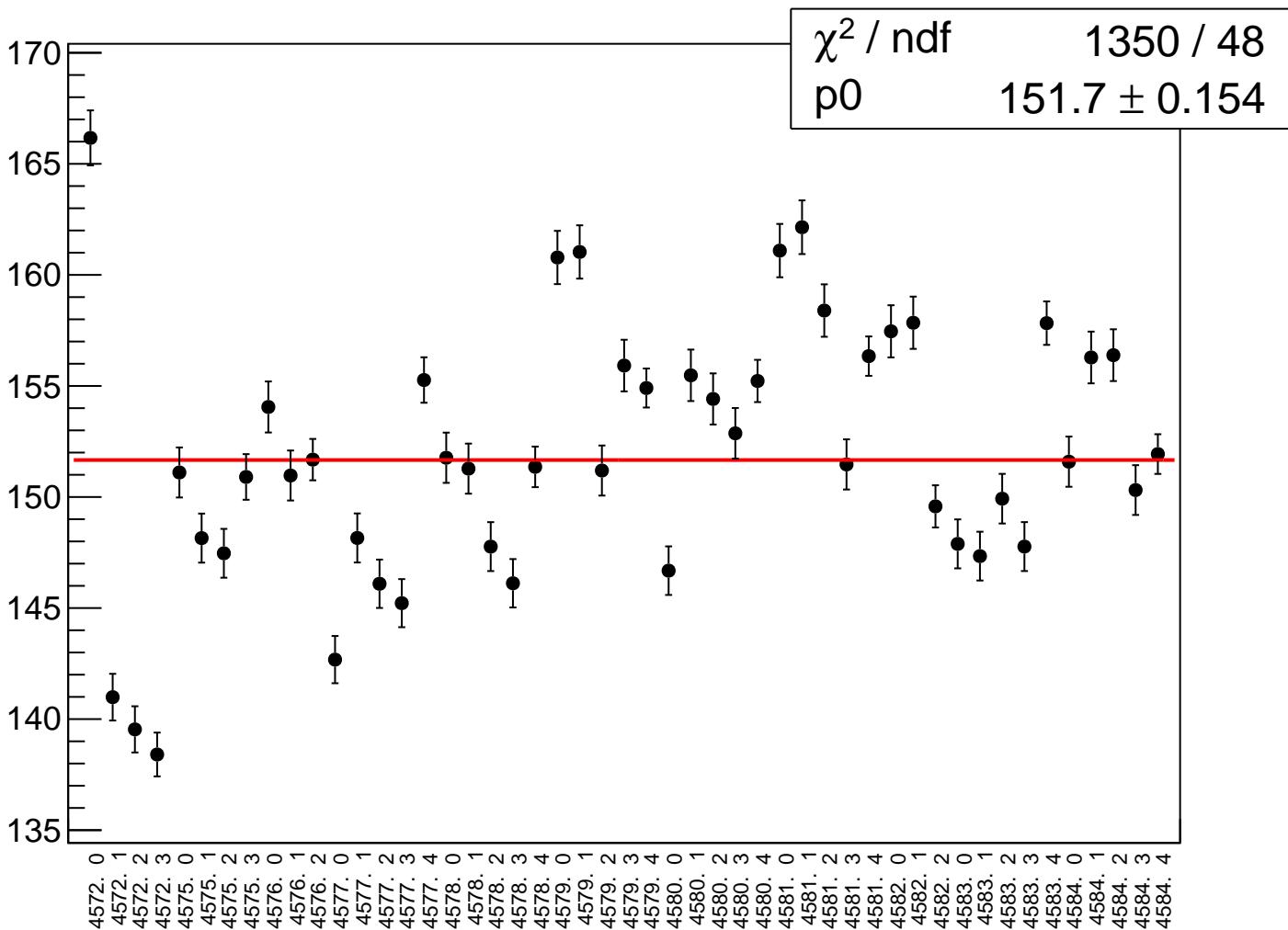


# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_rms vs run

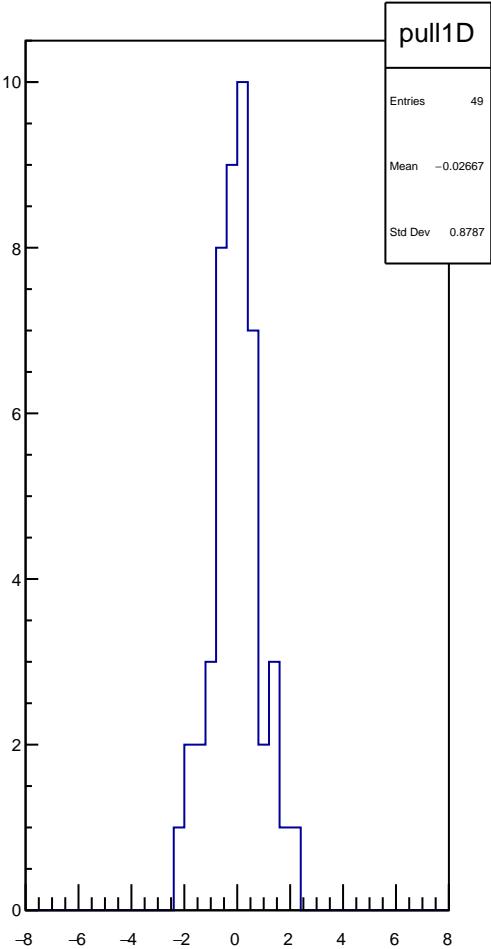
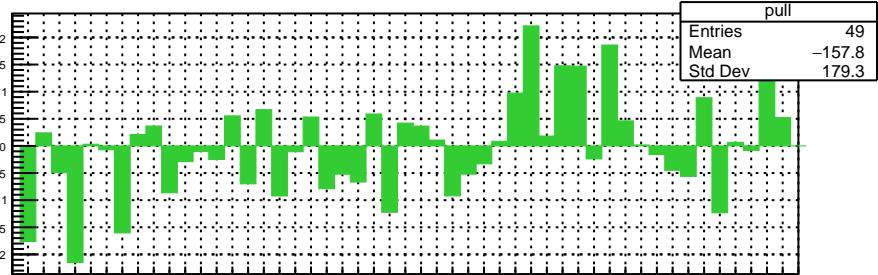
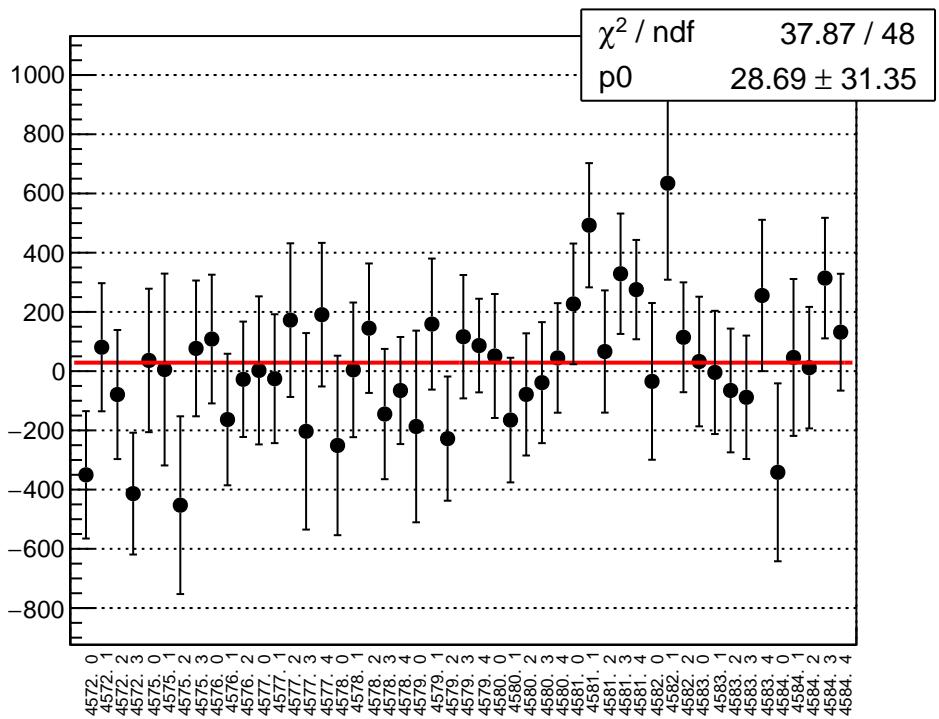




# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_avg\_rms vs run

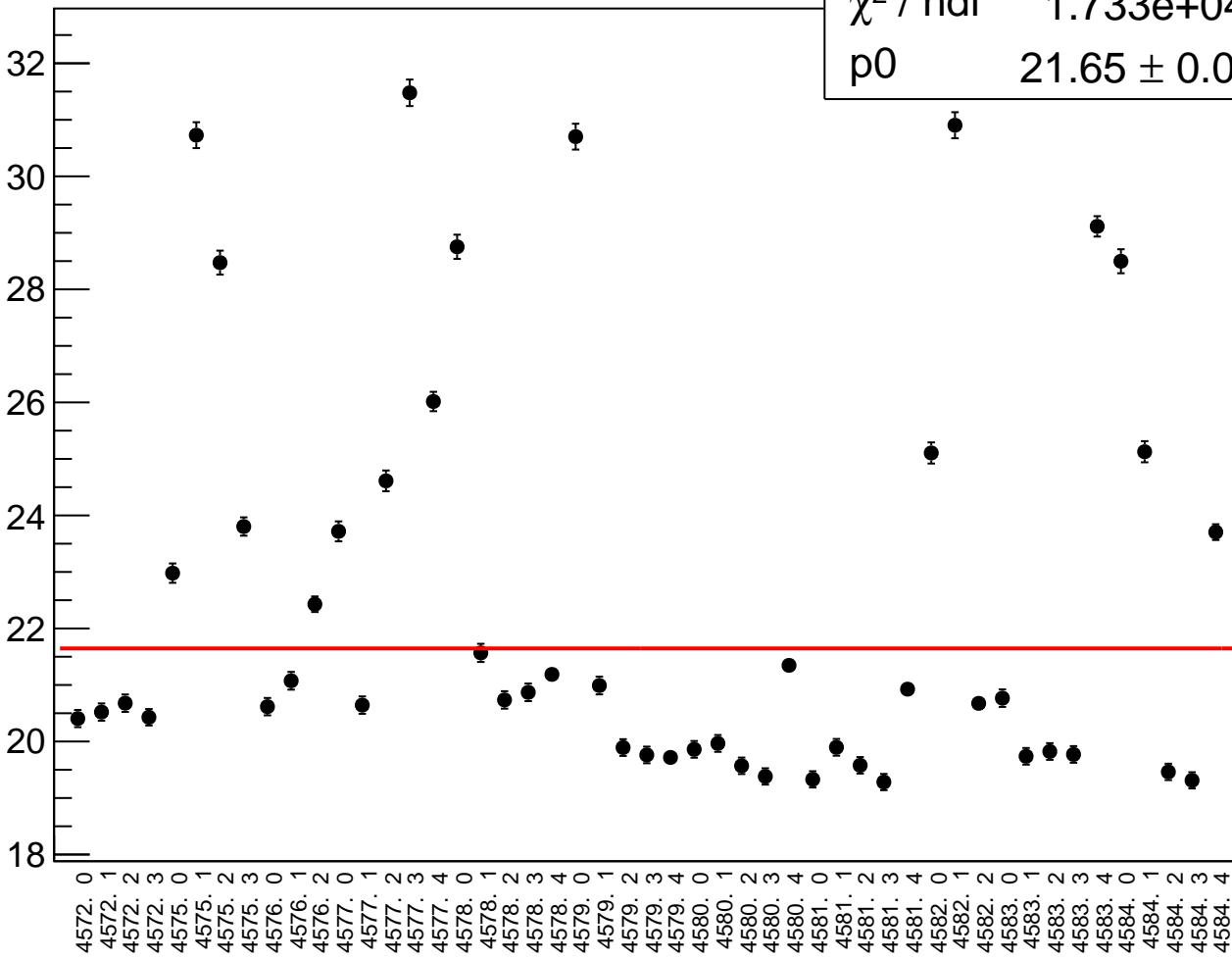


# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_mean vs run

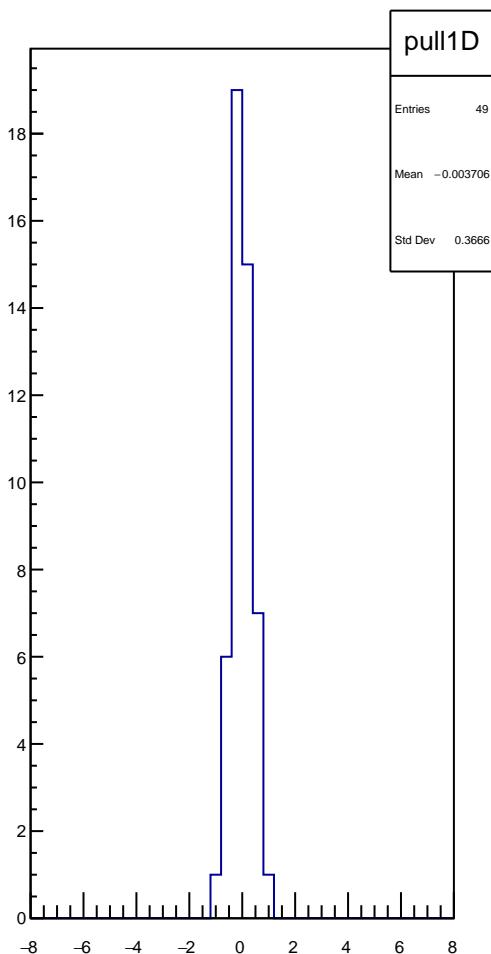
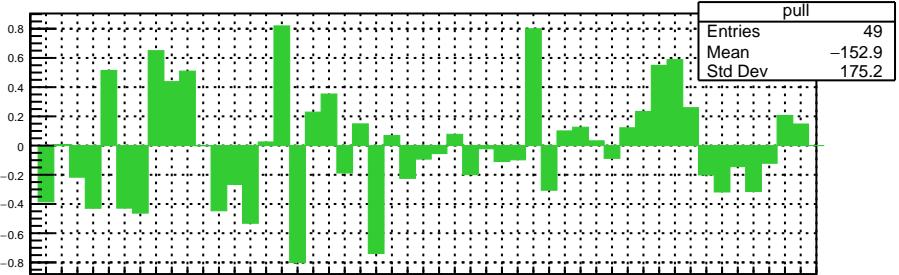
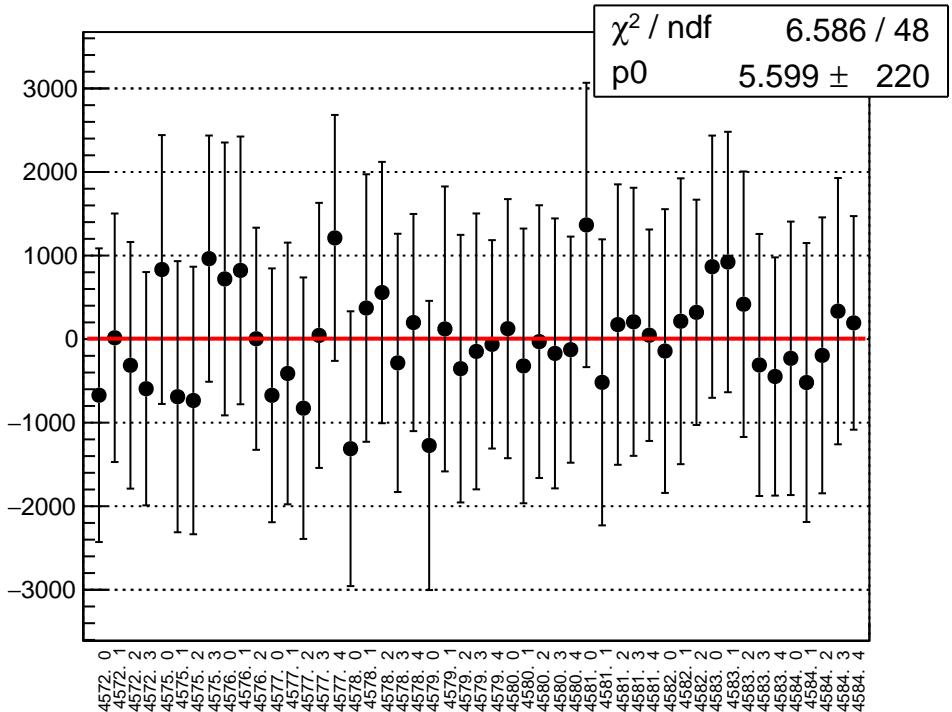


# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_rms vs run

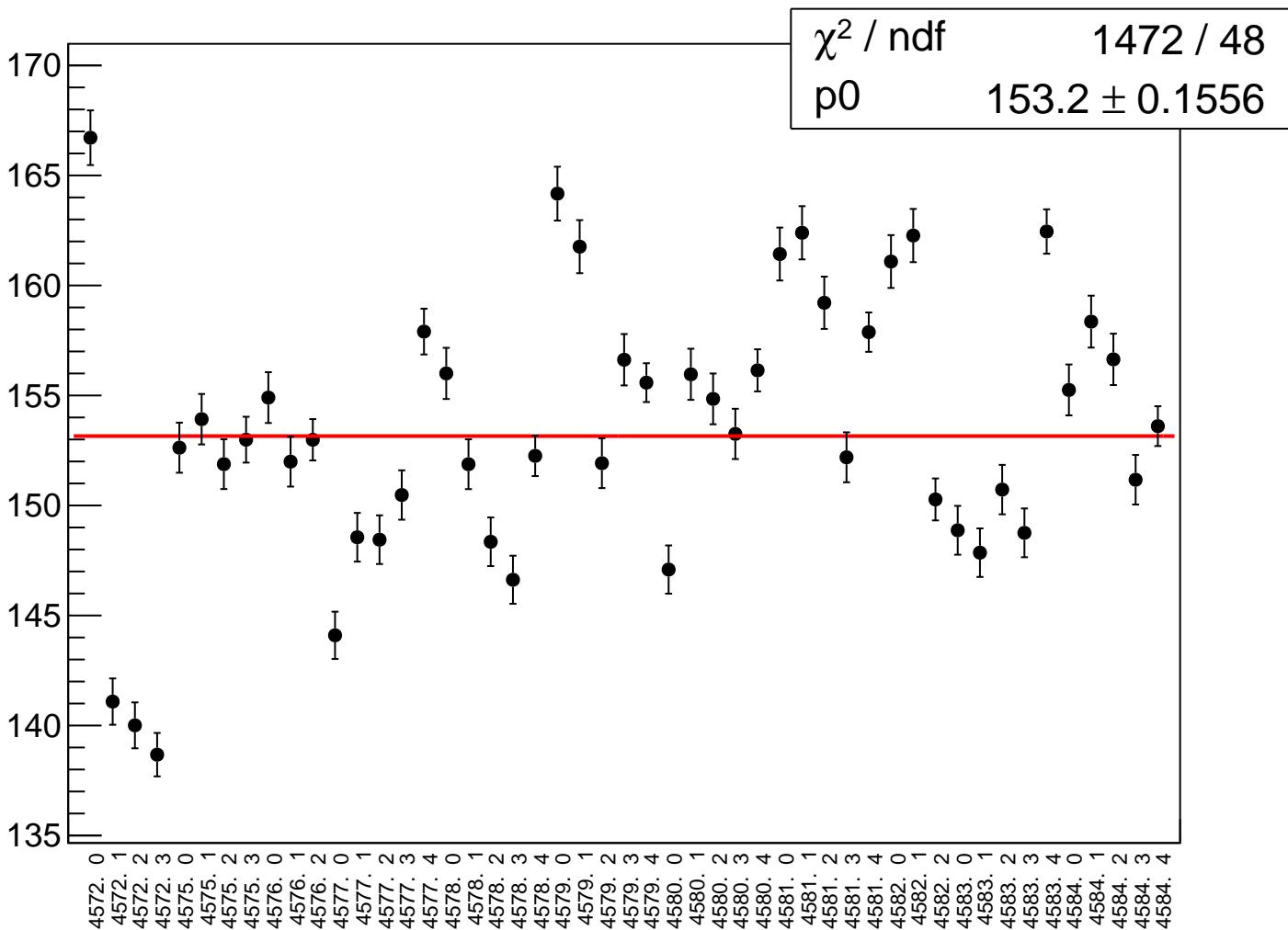
$\chi^2 / \text{ndf}$  1.733e+04 / 48  
p0  $21.65 \pm 0.02217$



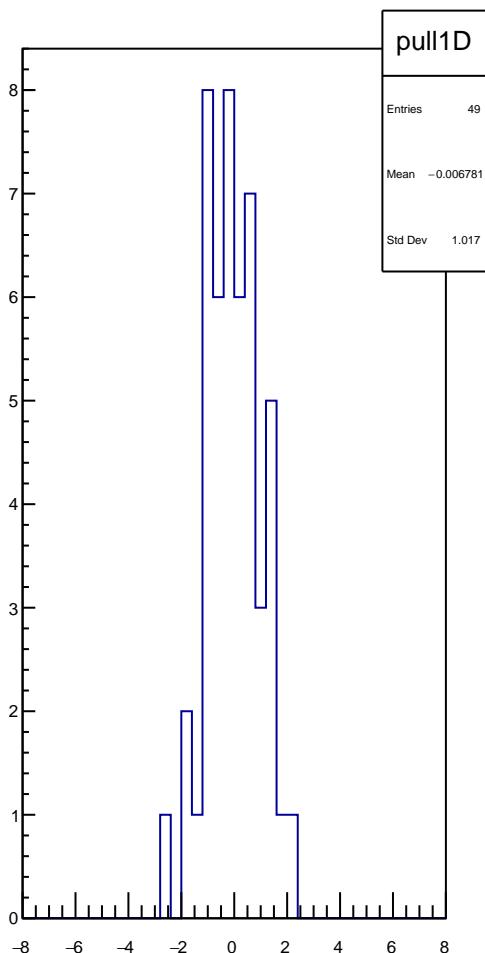
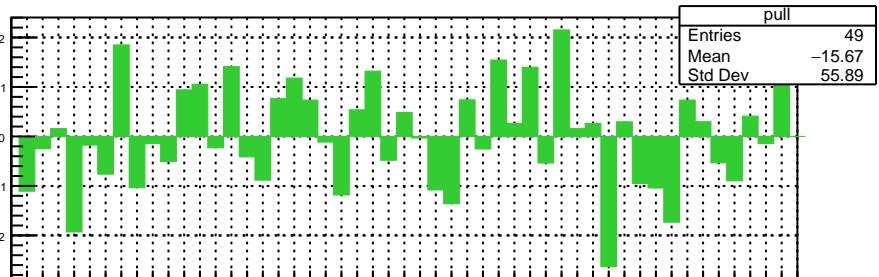
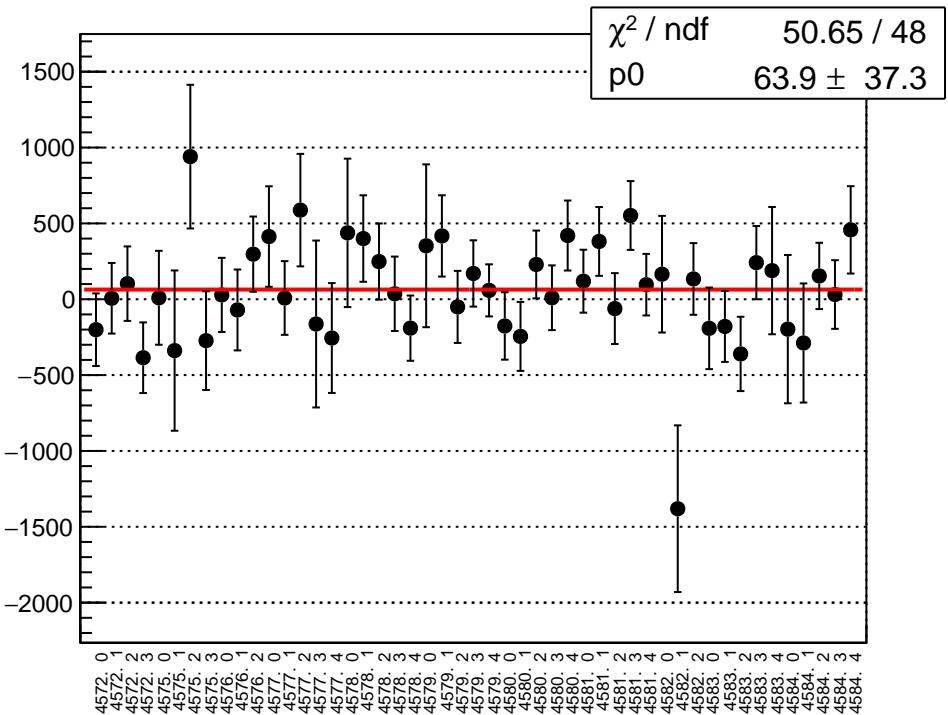
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_mean vs run



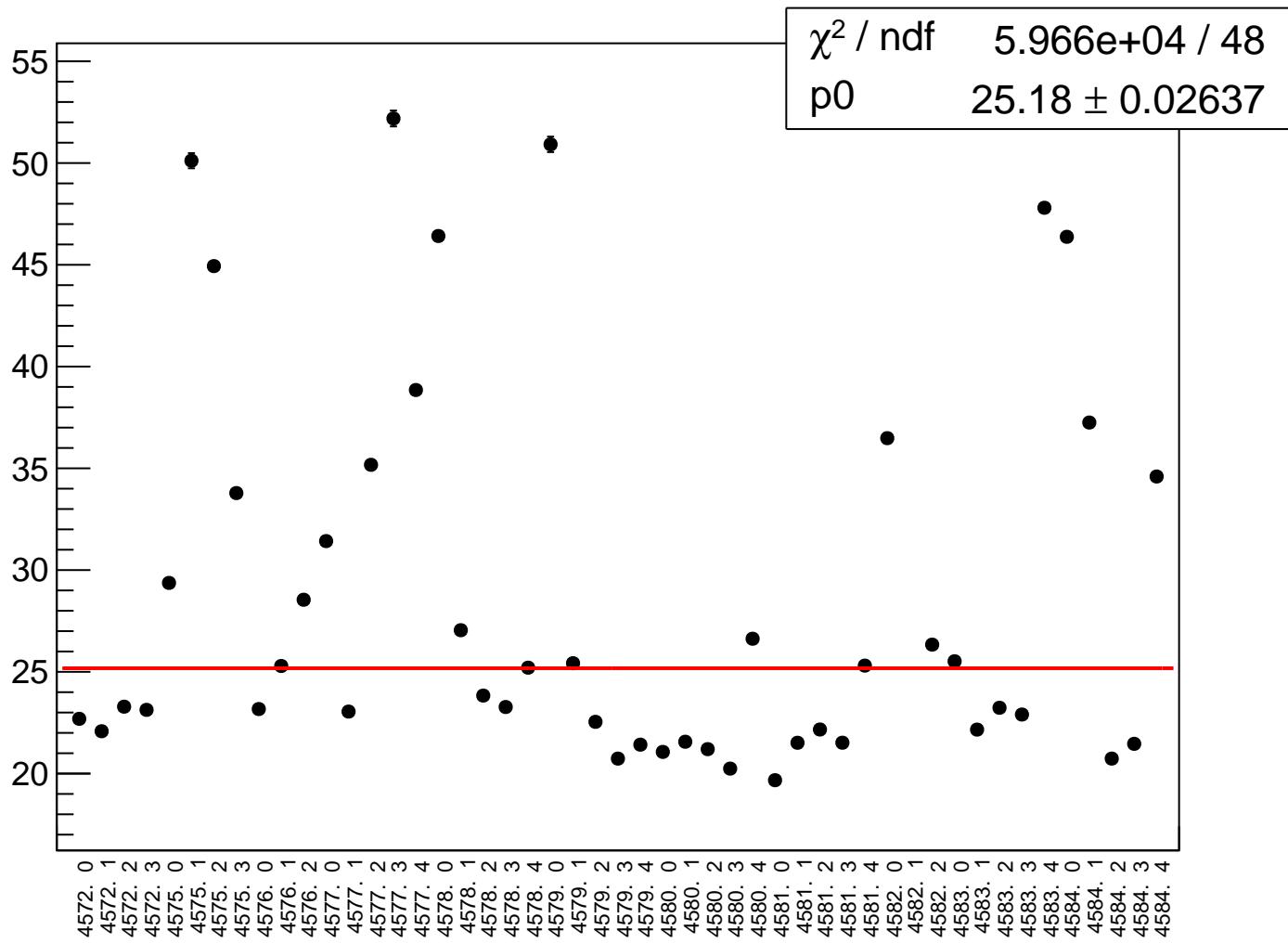
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_rms vs run



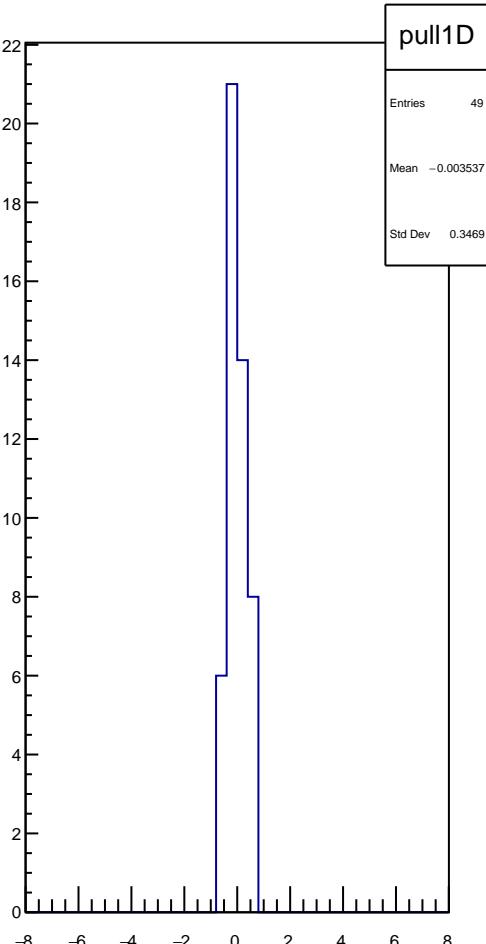
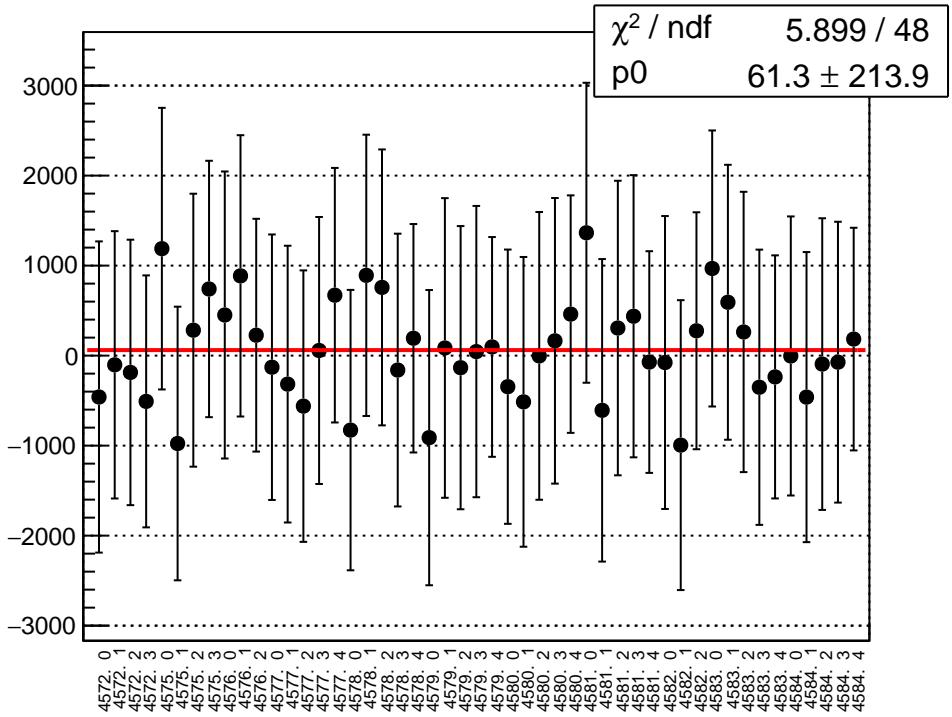
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_mean vs run



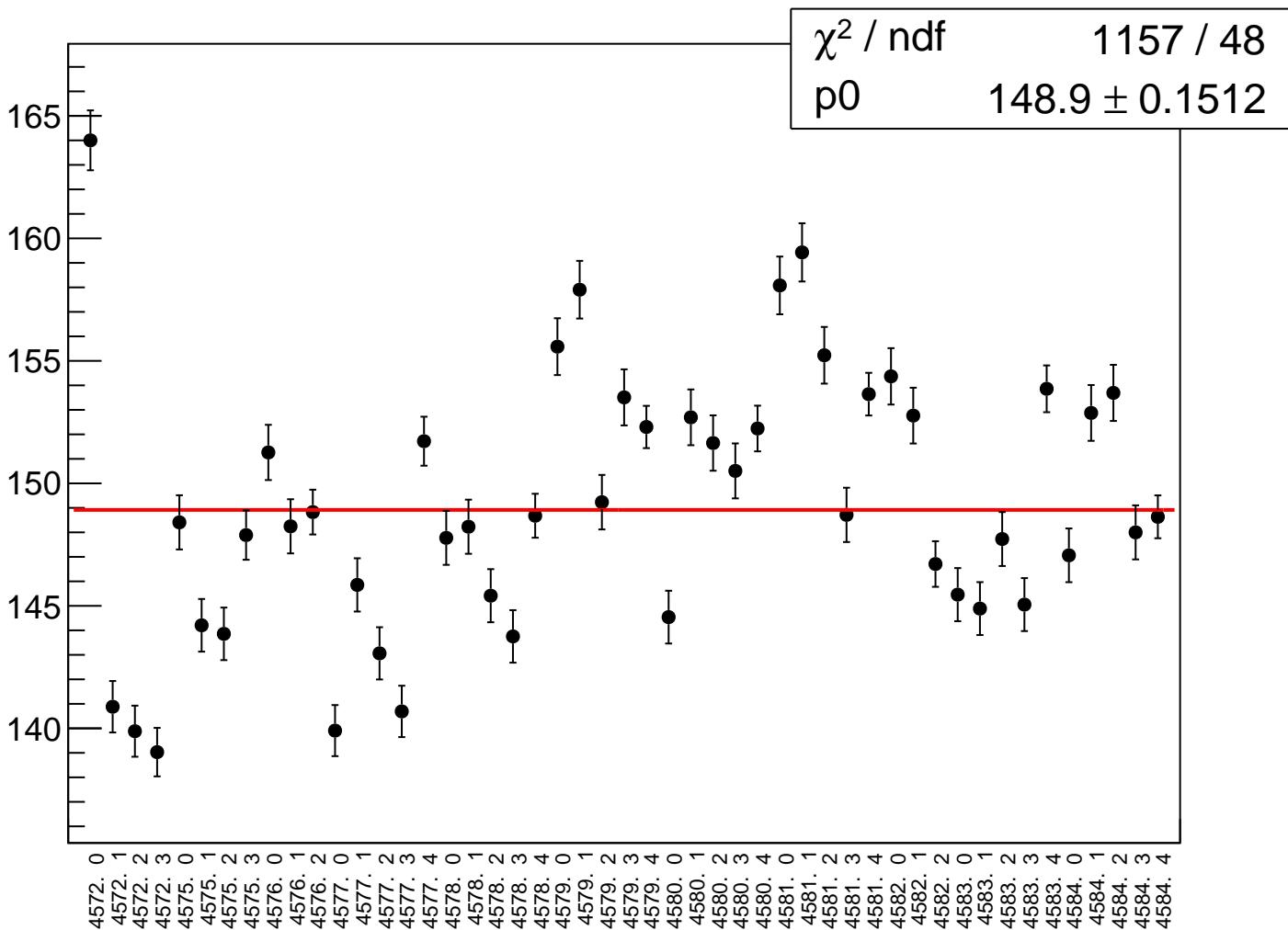
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_rms vs run

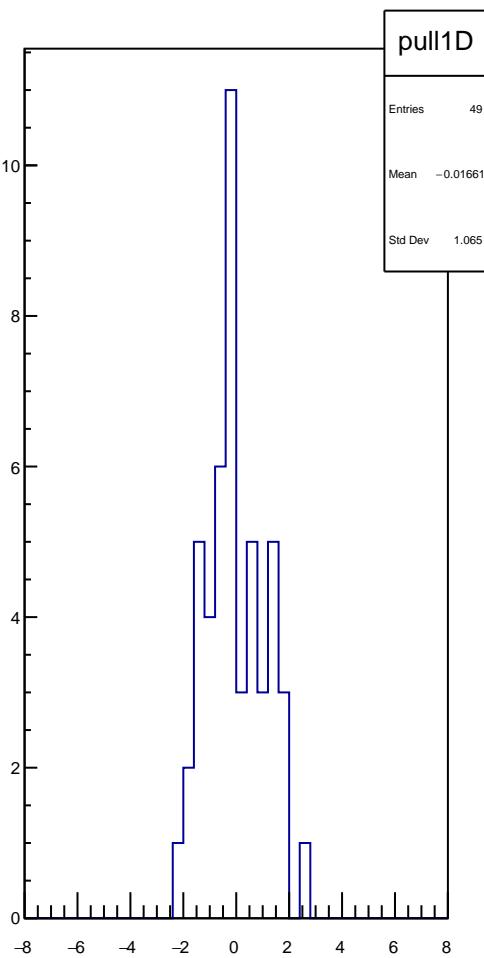
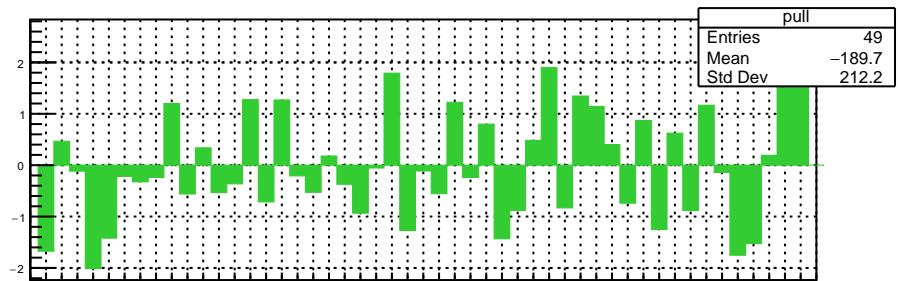
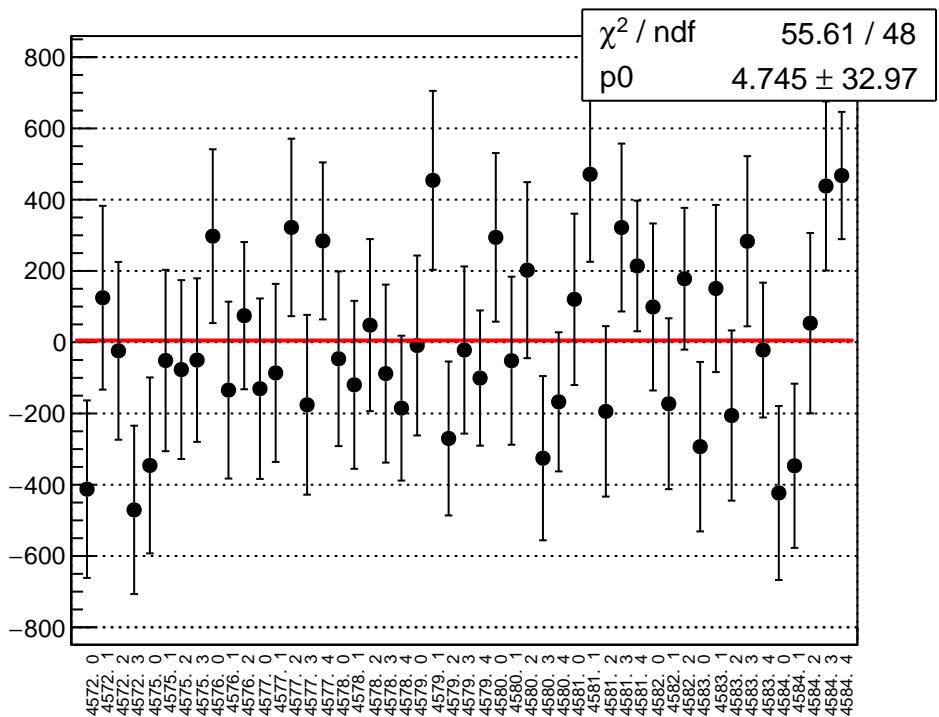


# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_mean vs run

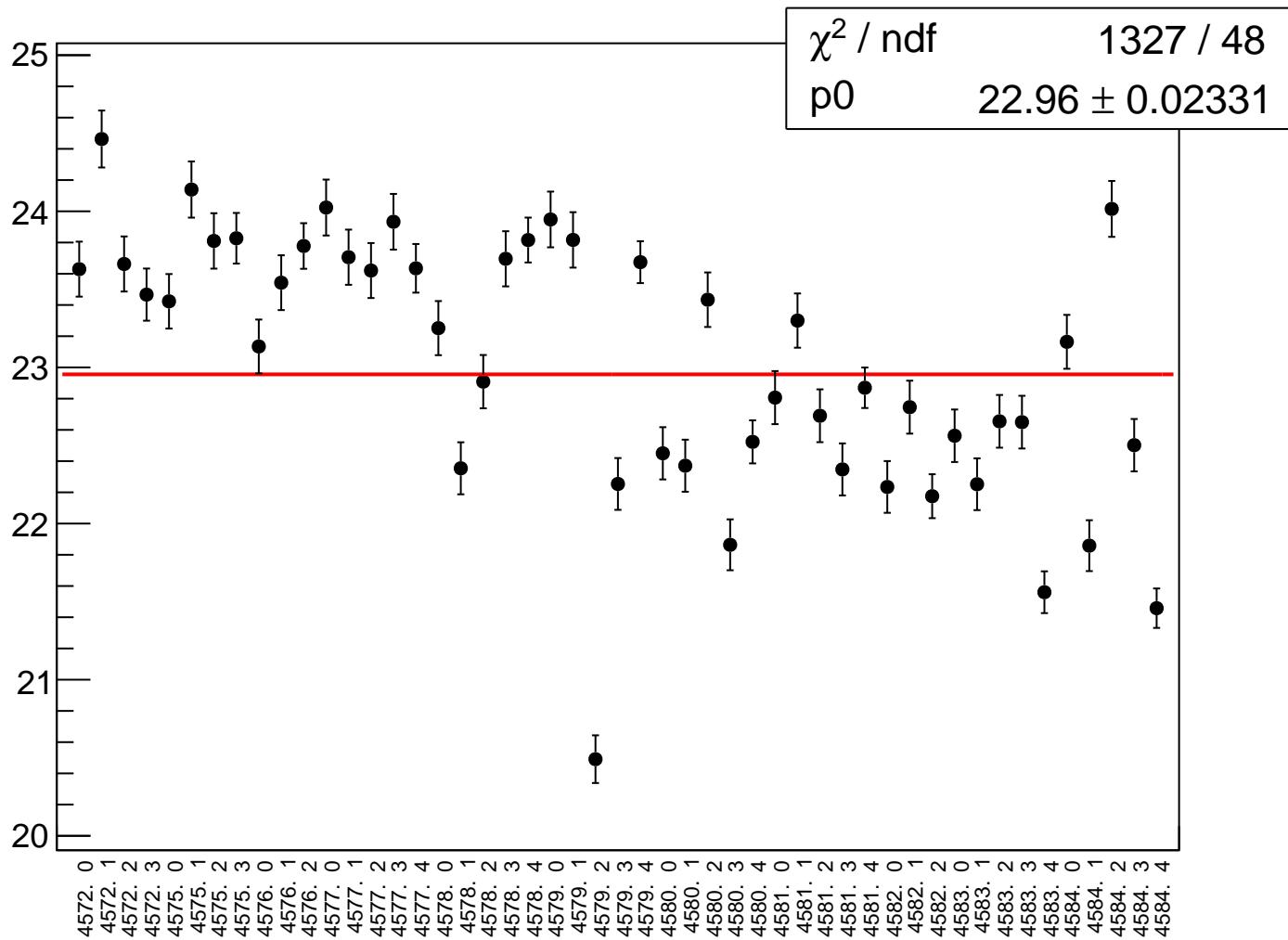


# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_rms vs run

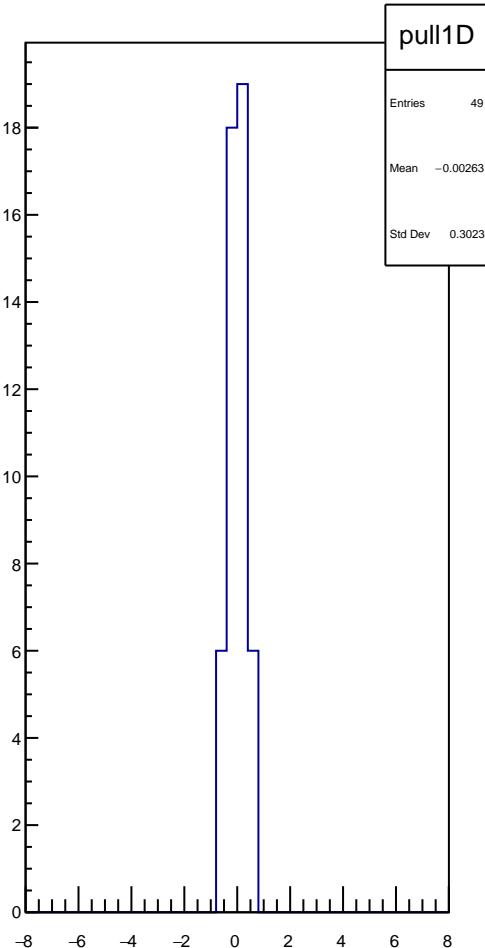
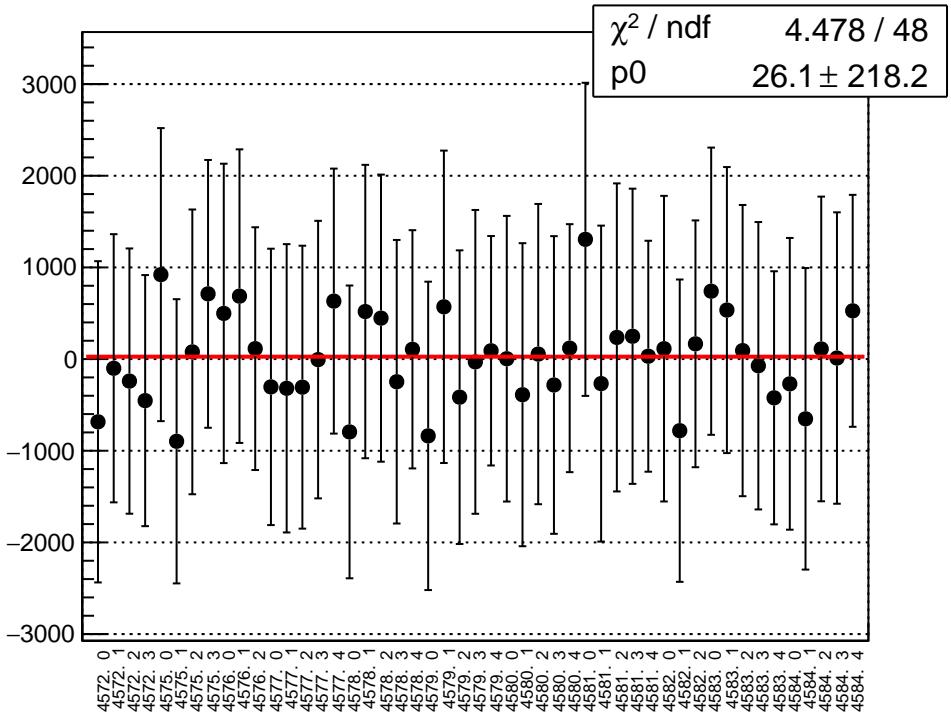




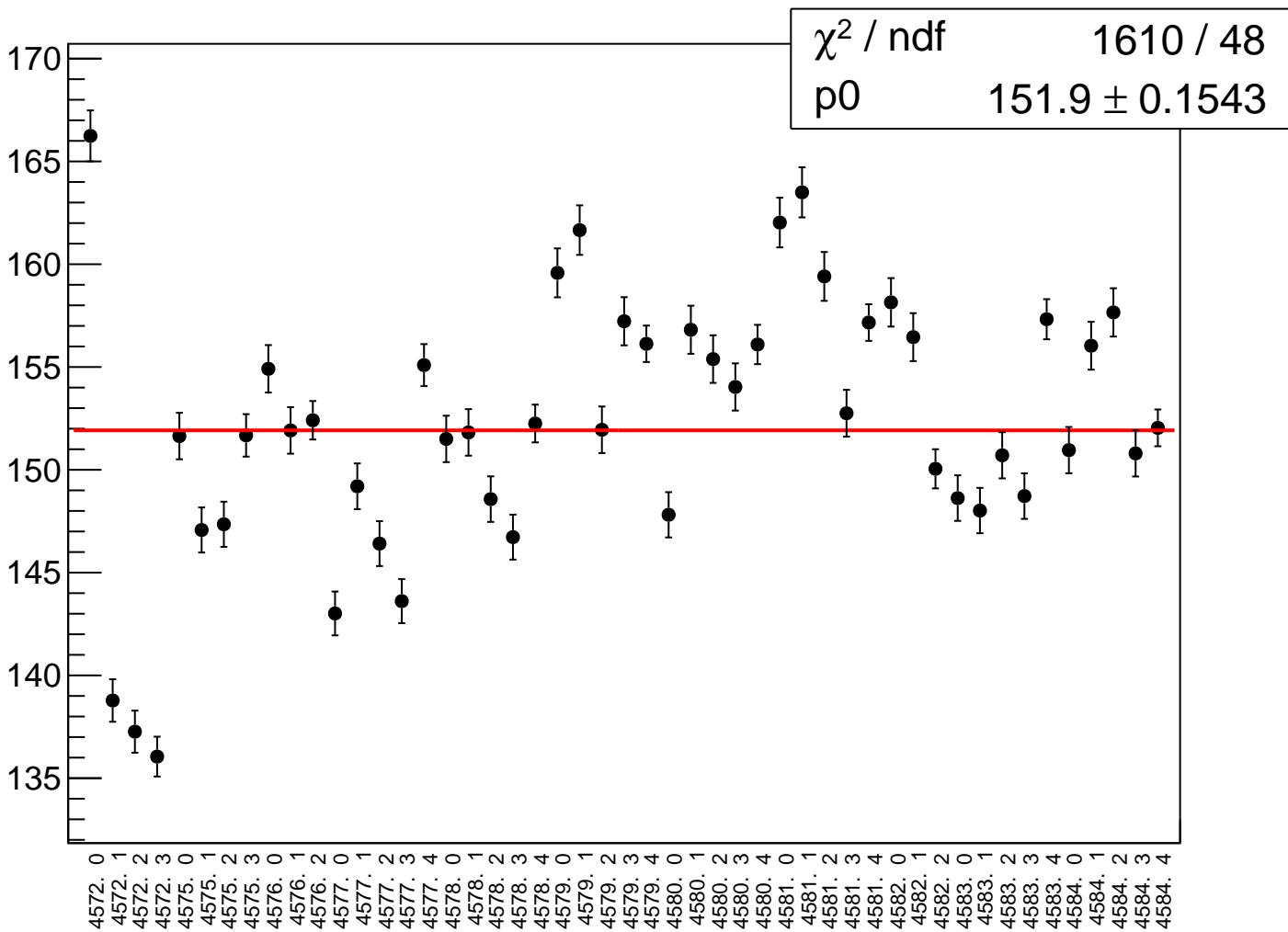
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_rms vs run



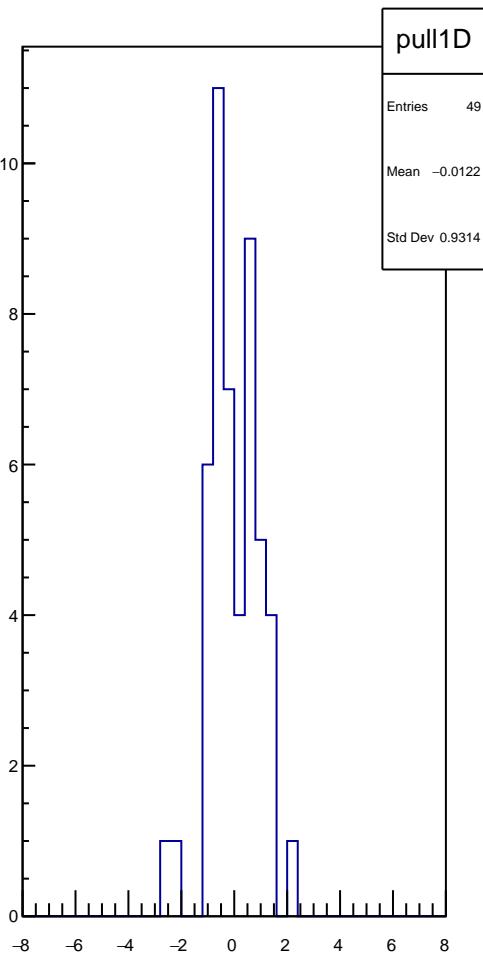
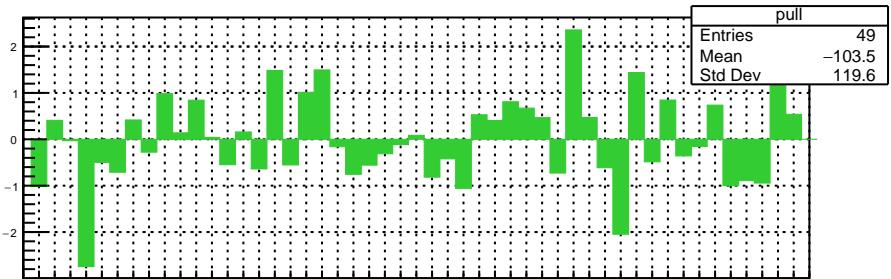
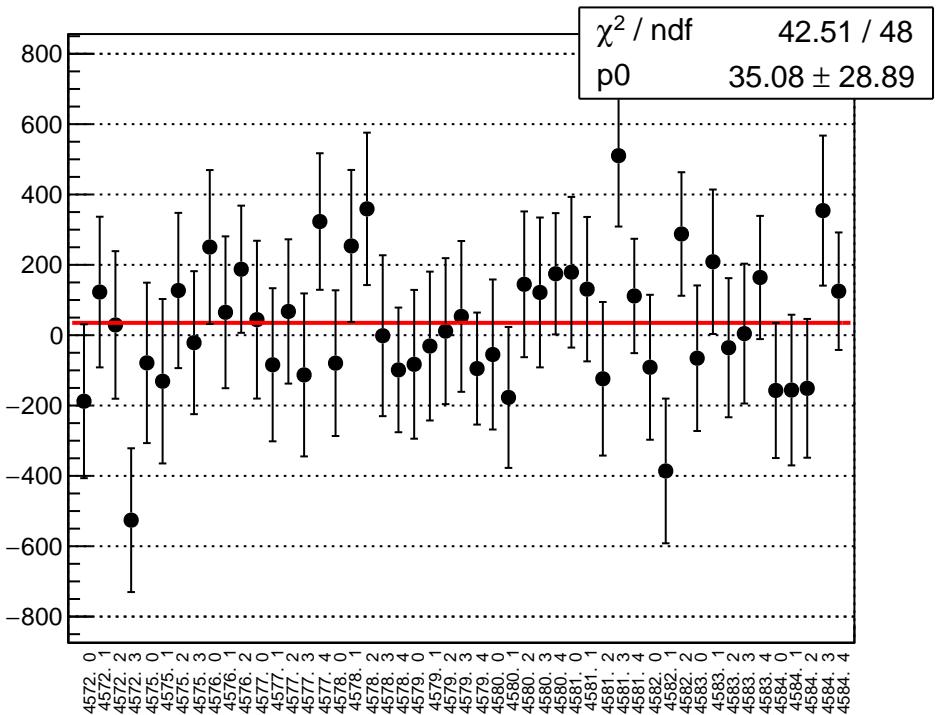
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_mean vs run



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



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



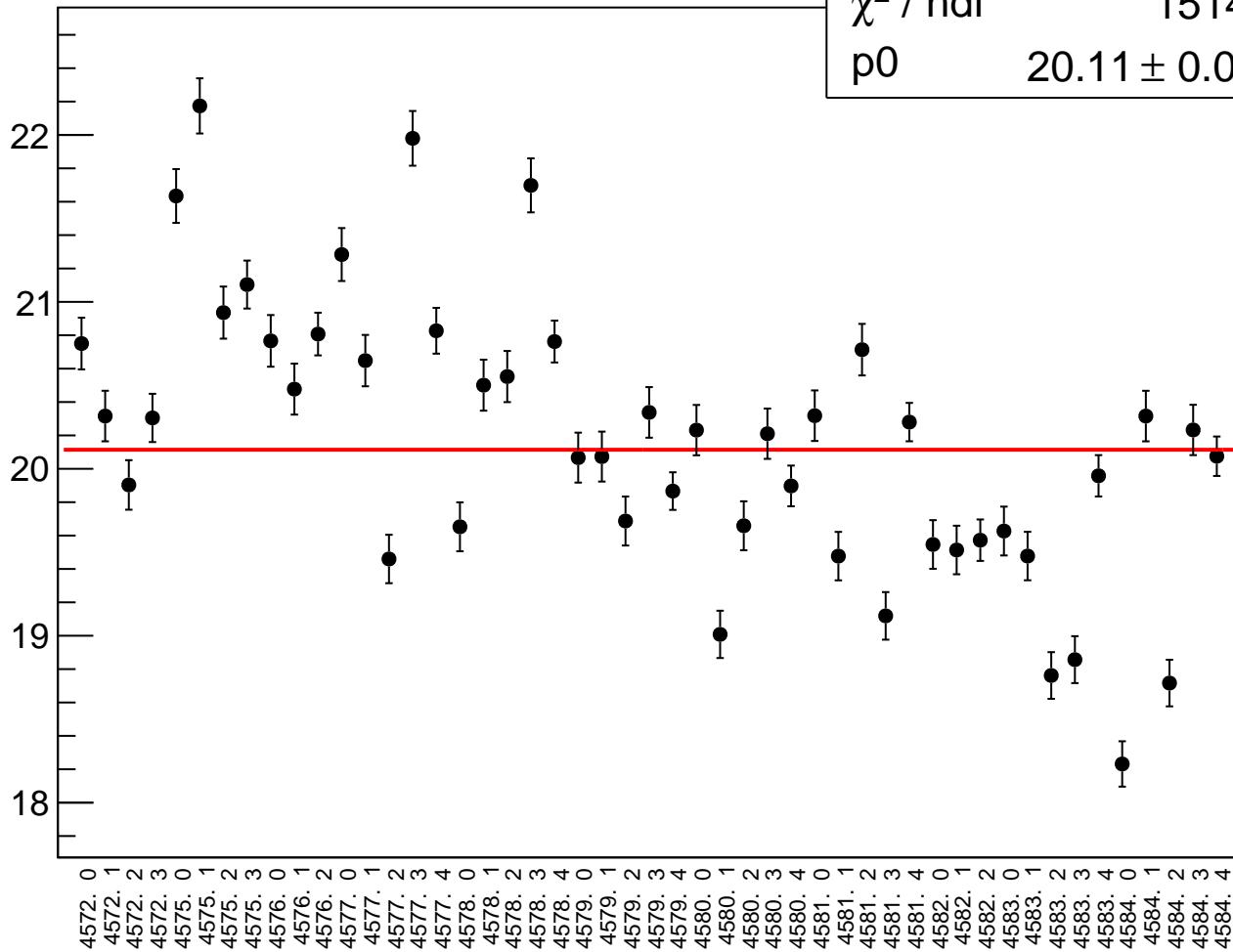
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_rms vs run

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

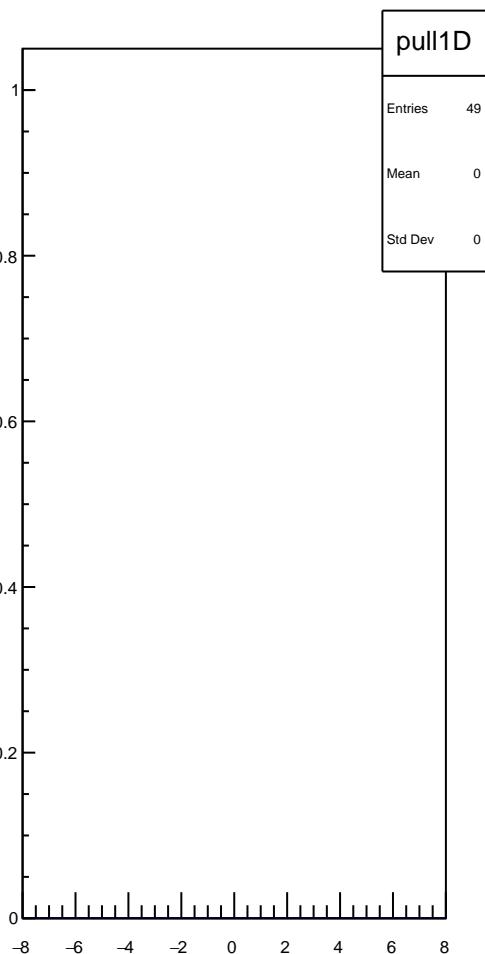
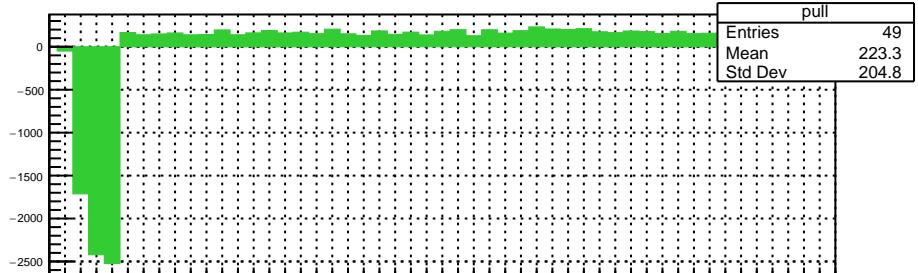
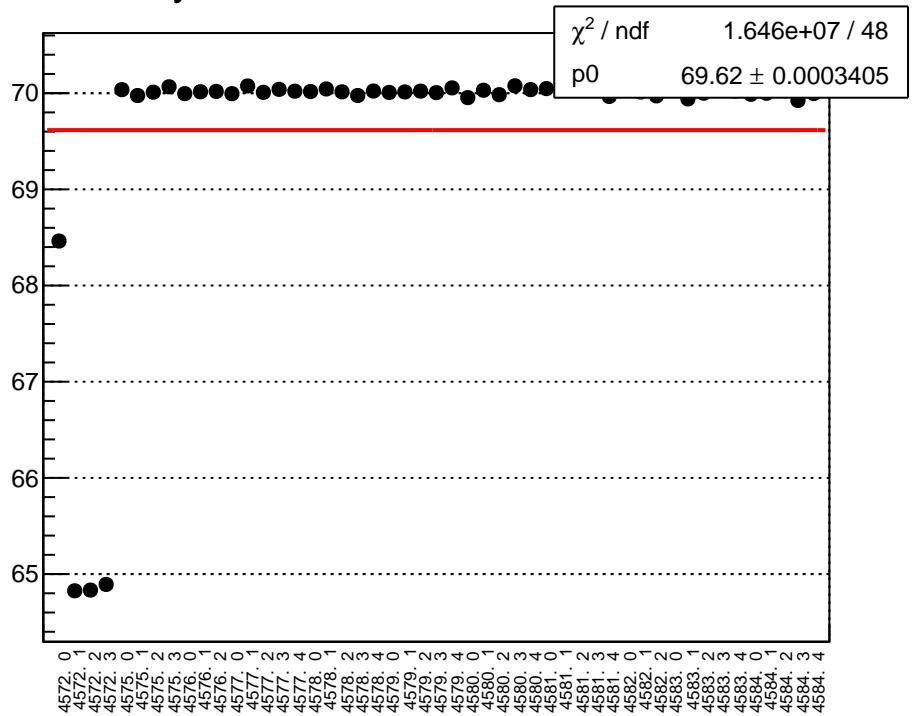
1514 / 48

p0

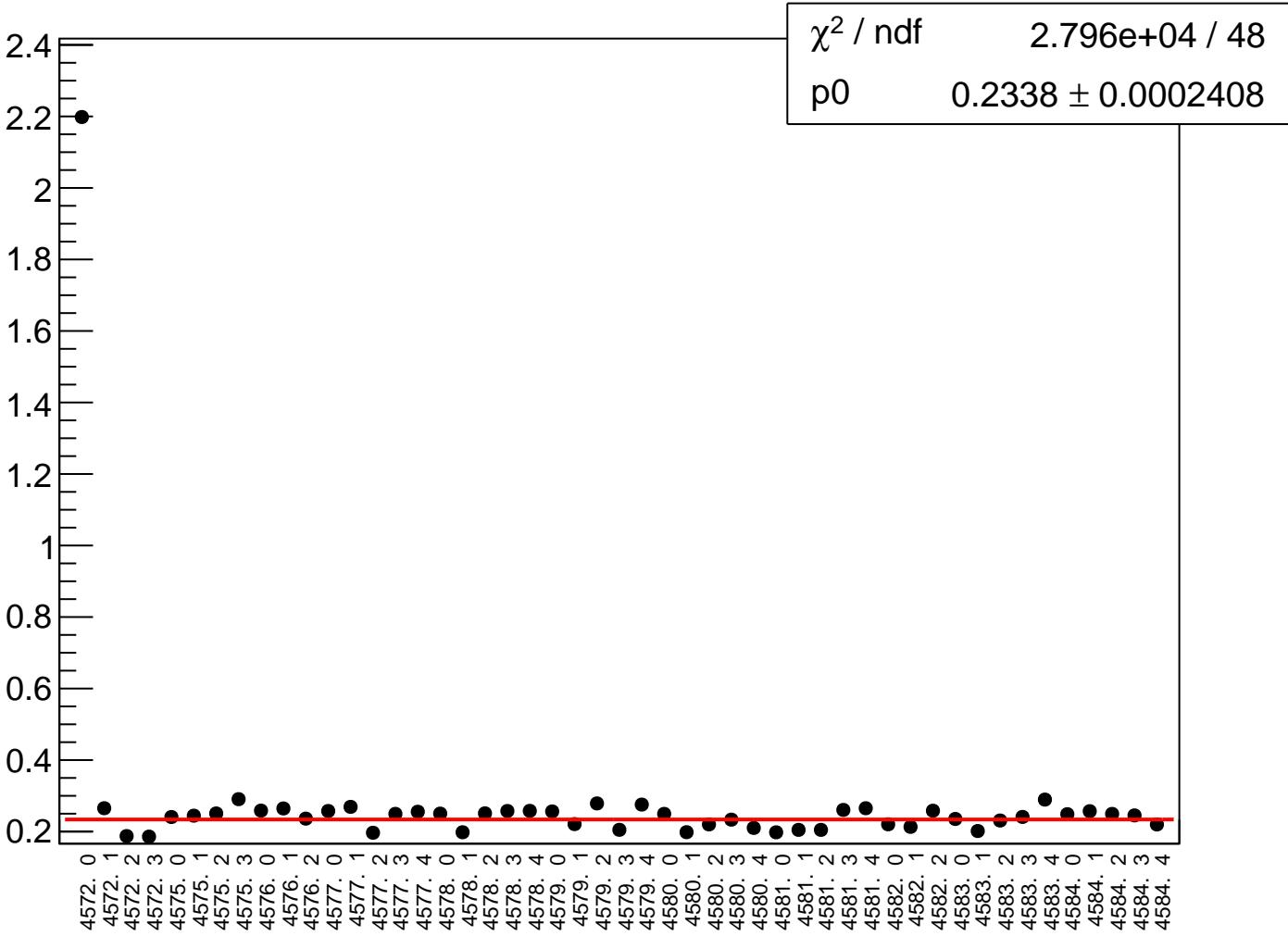
$20.11 \pm 0.02043$

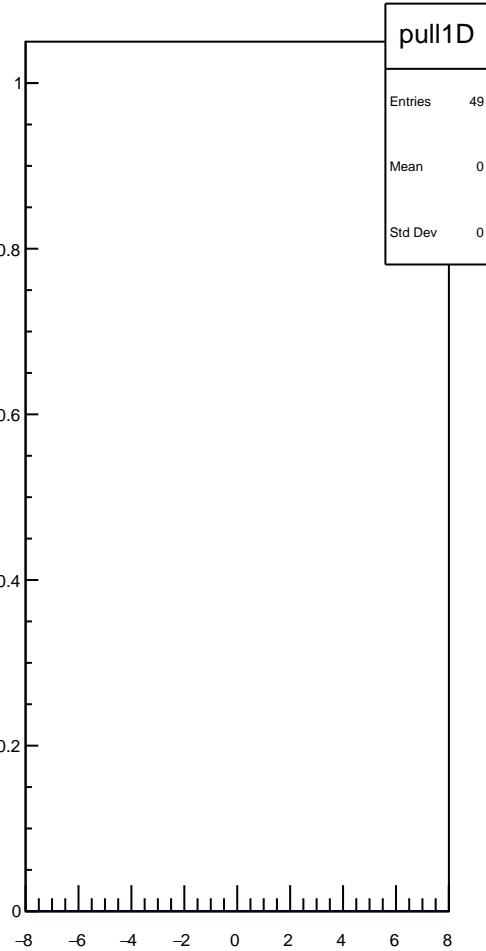
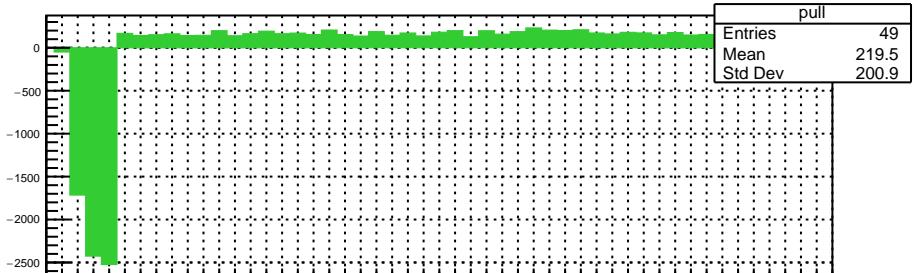
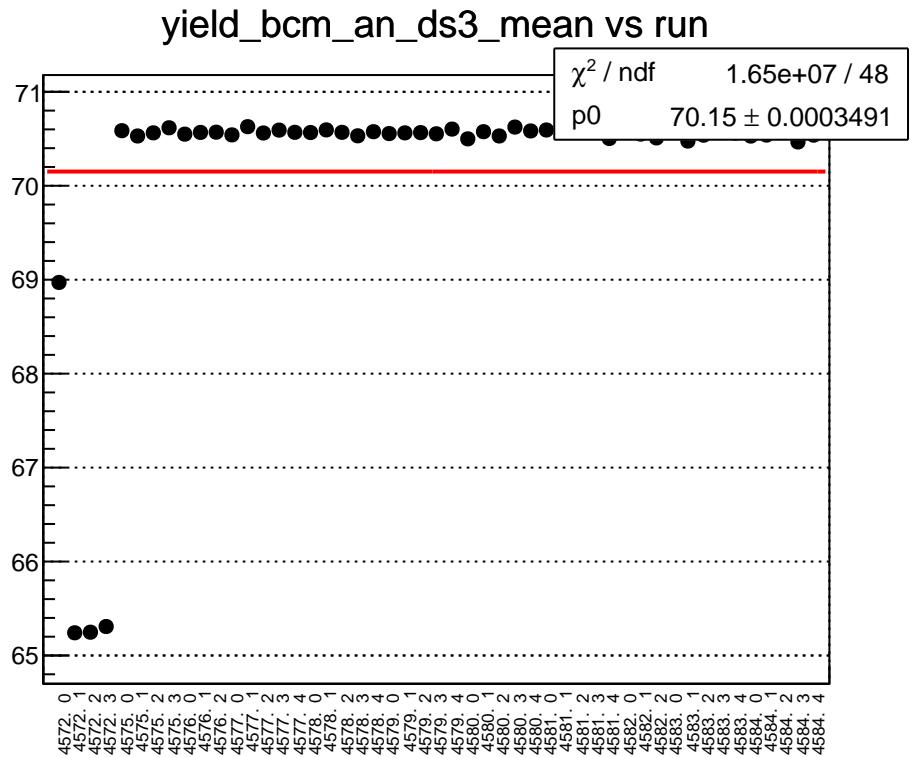


# yield\_bcm\_an\_ds\_mean vs run

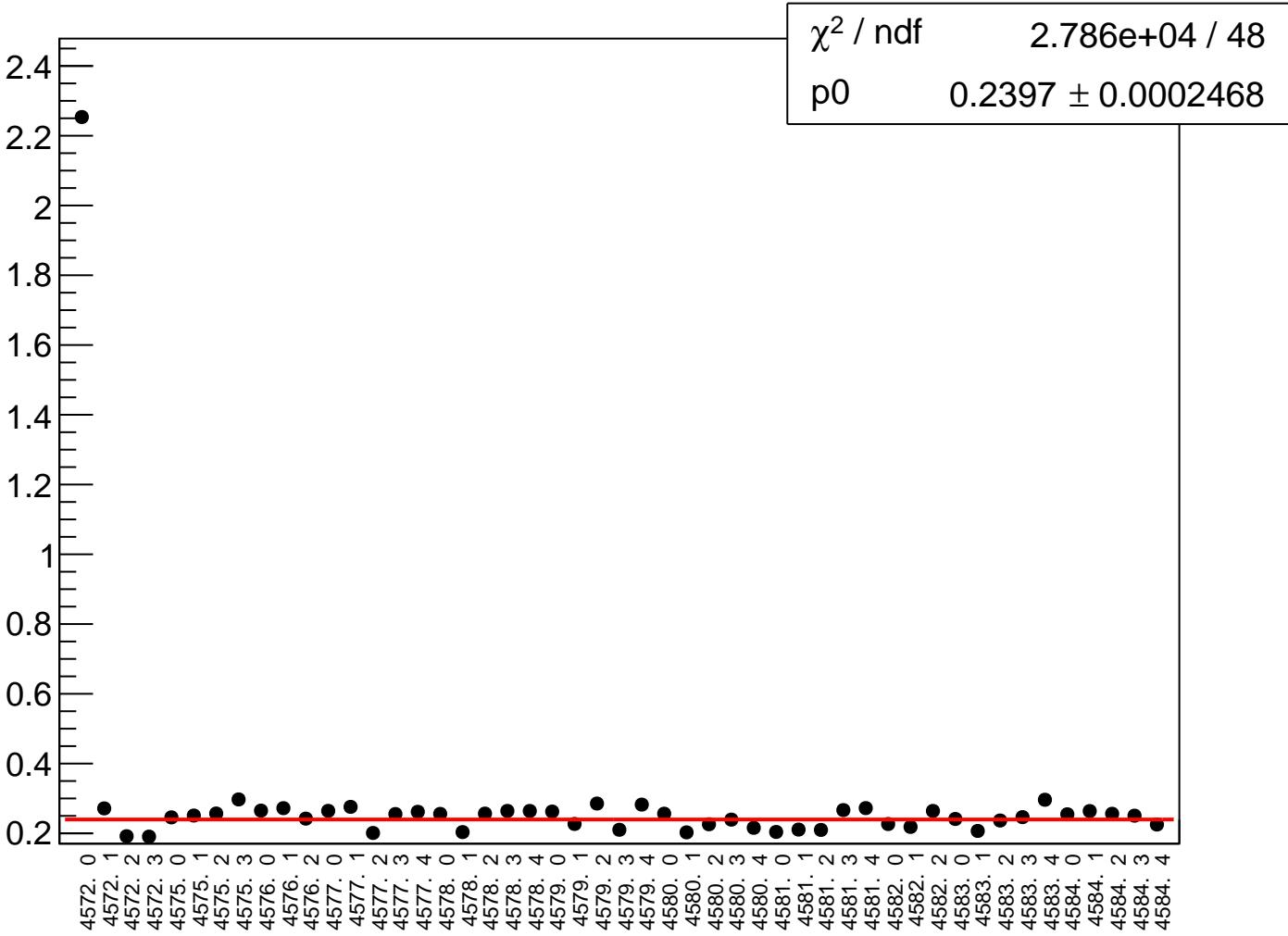


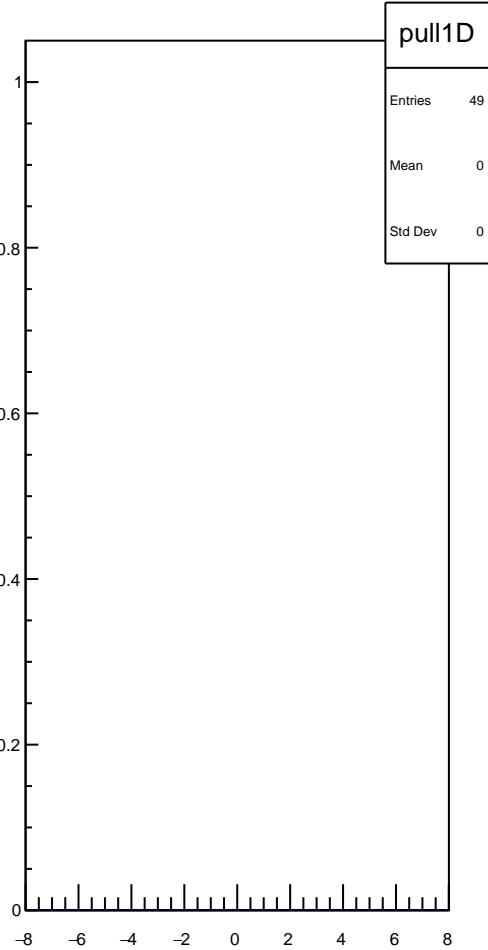
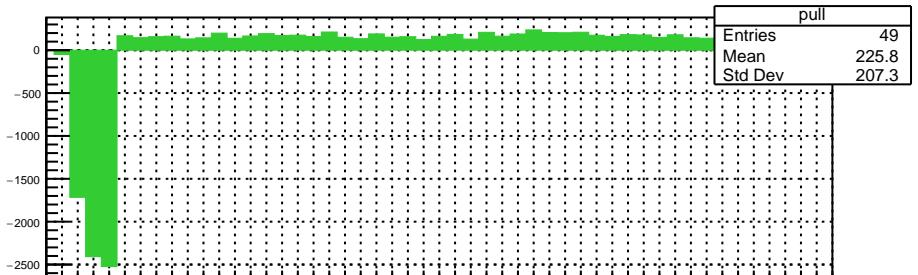
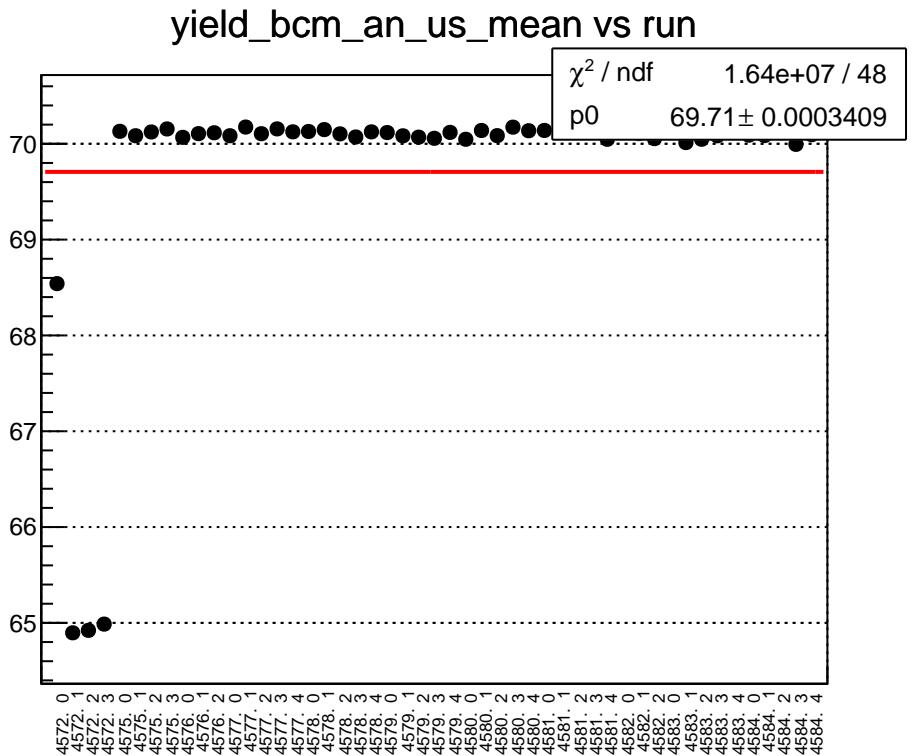
# yield\_bcm\_an\_ds\_rms vs run



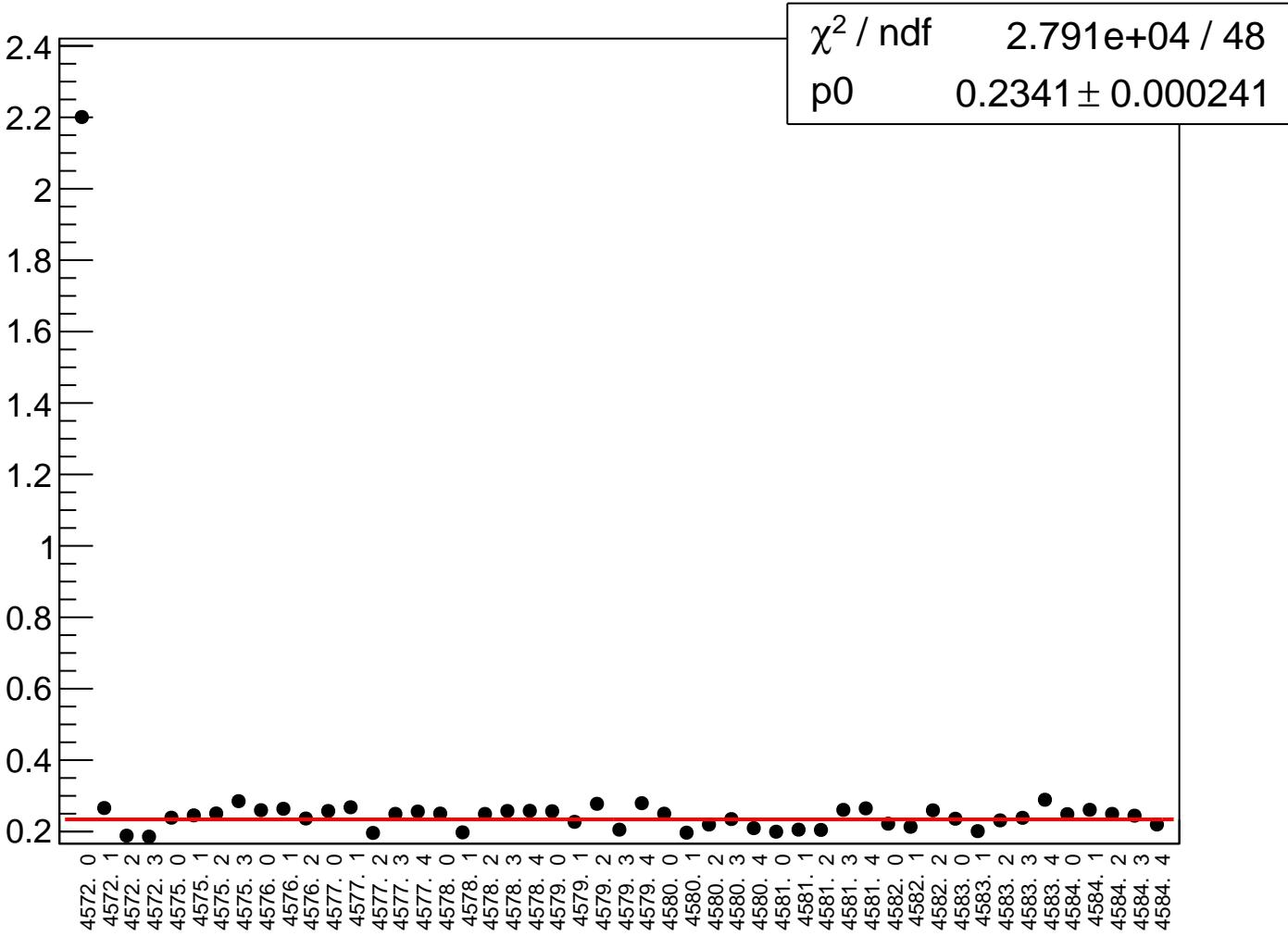


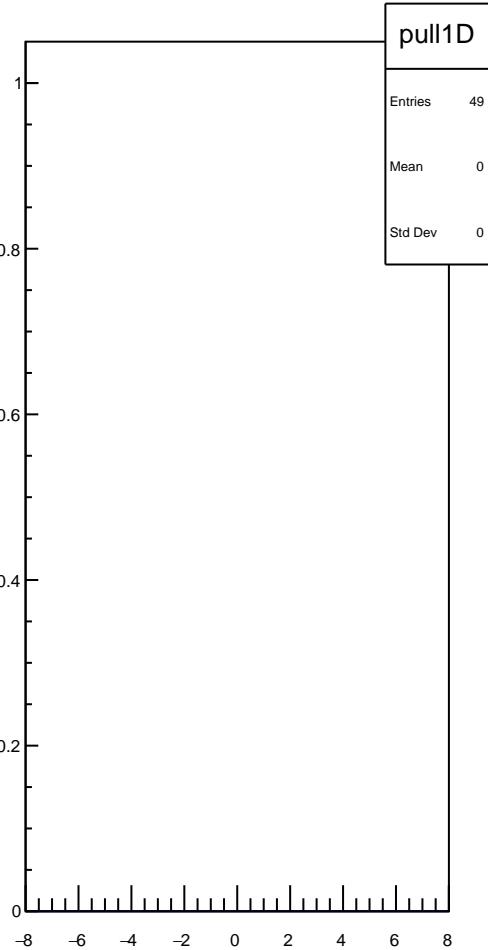
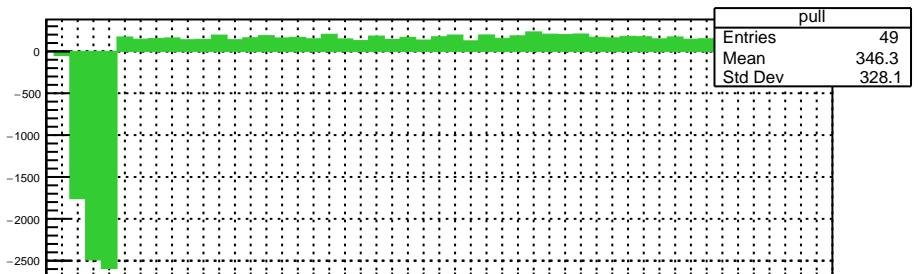
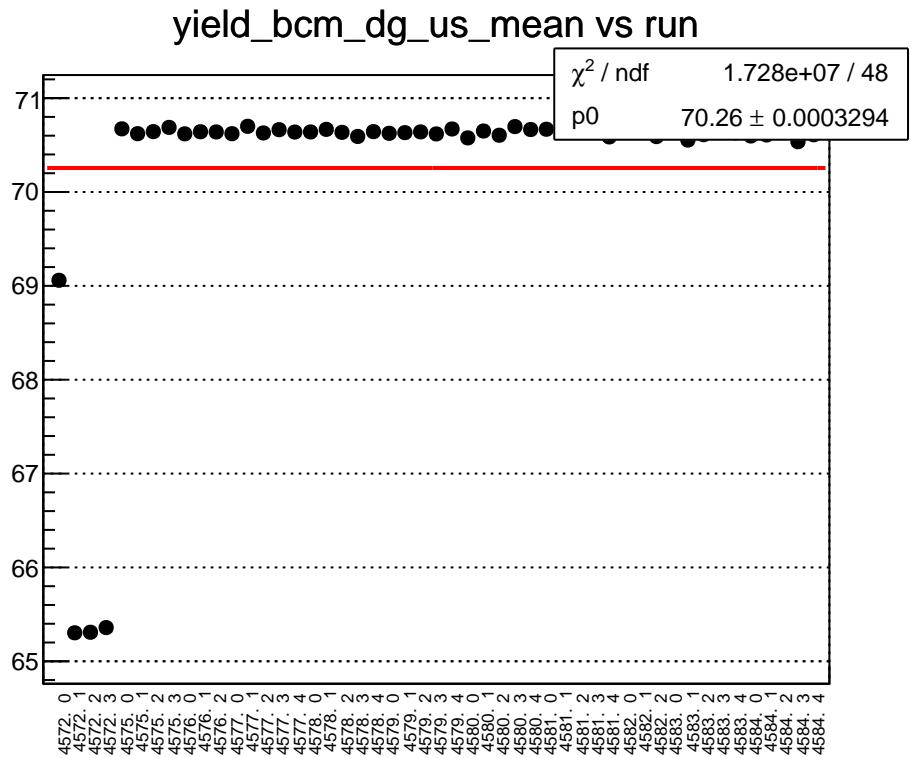
# yield\_bcm\_an\_ds3\_rms vs run



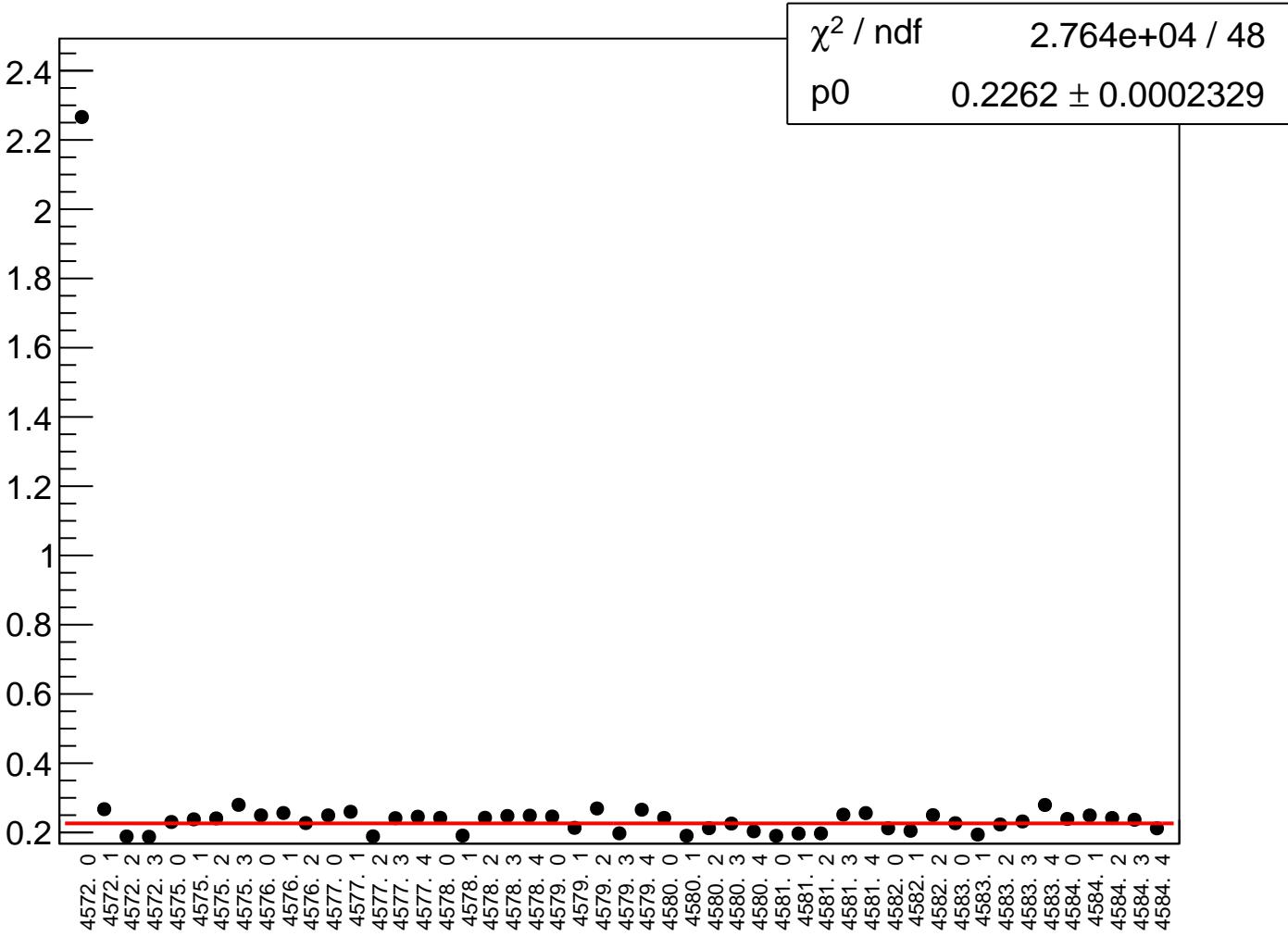


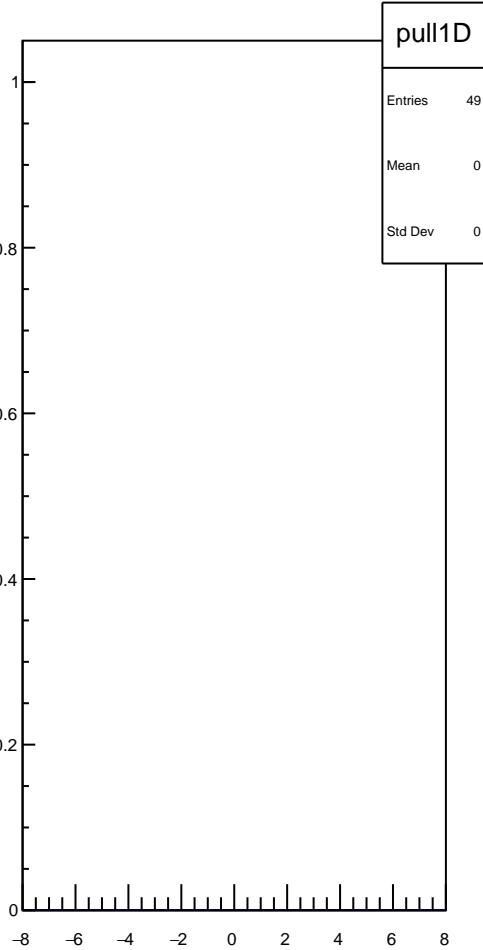
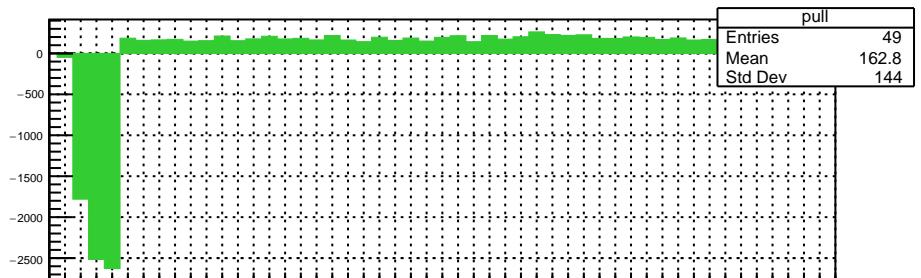
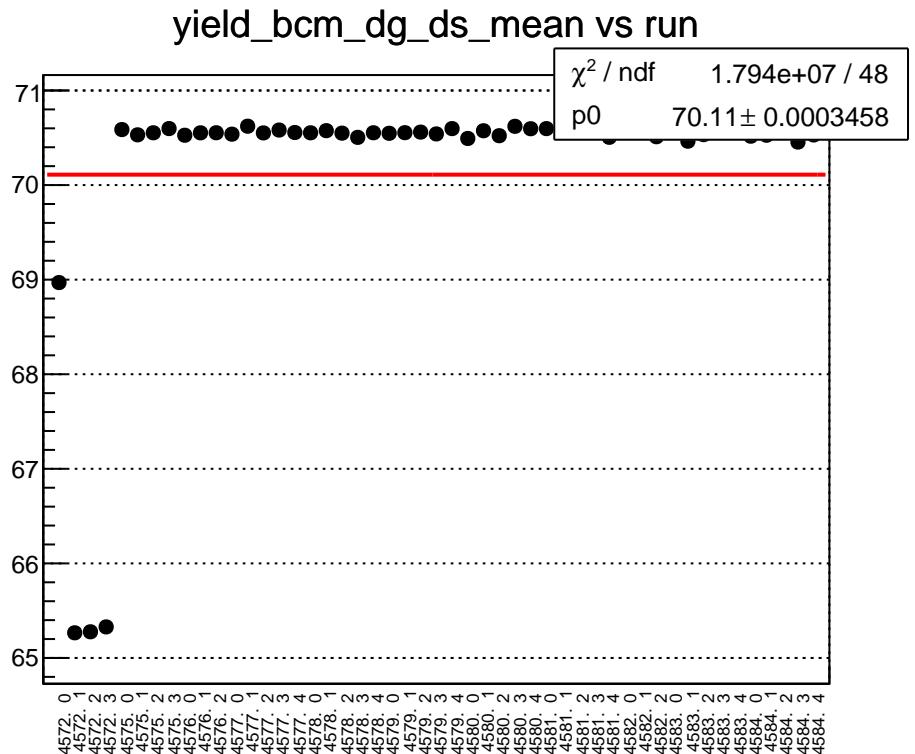
# yield\_bcm\_an\_us\_rms vs run



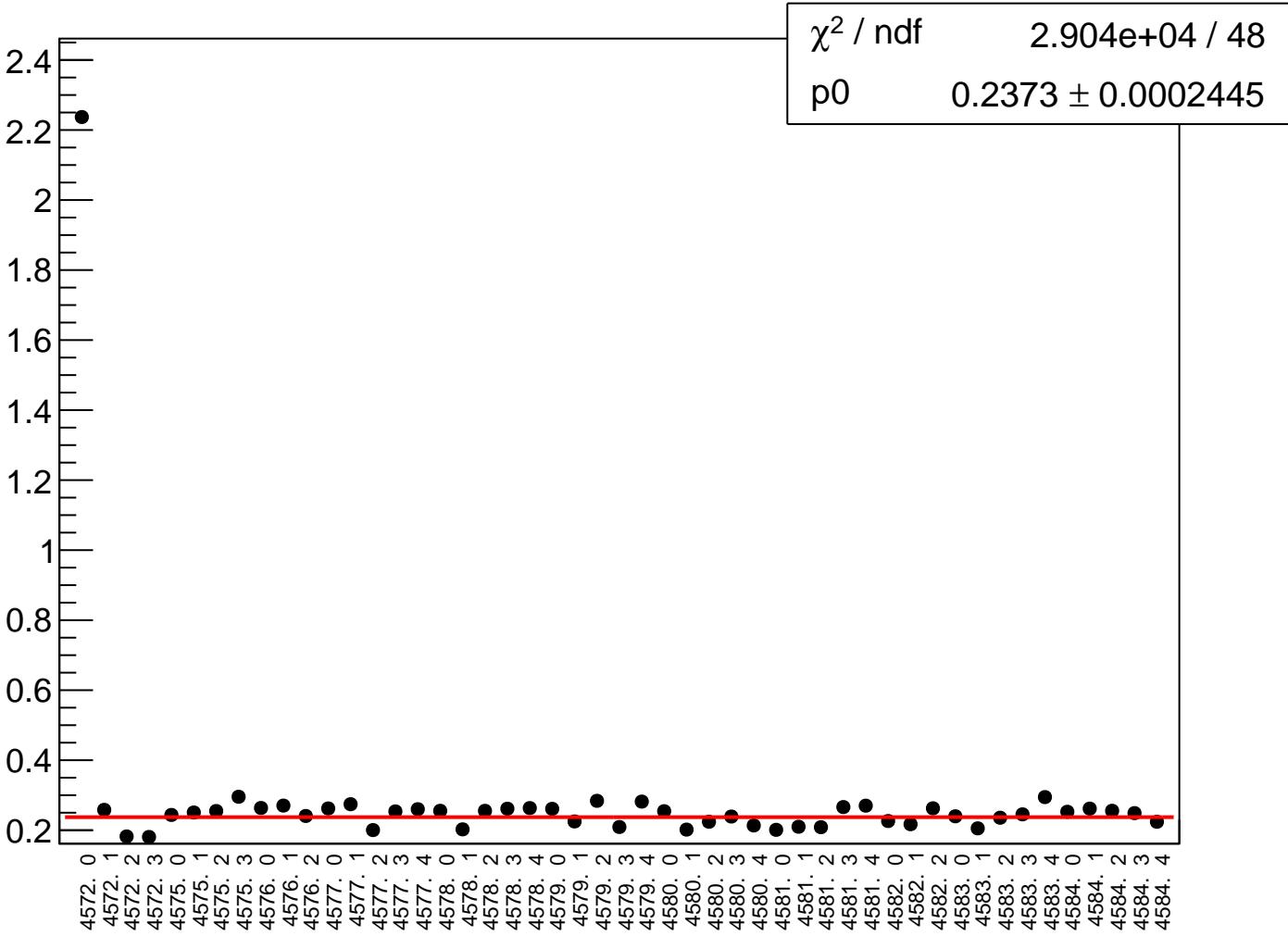


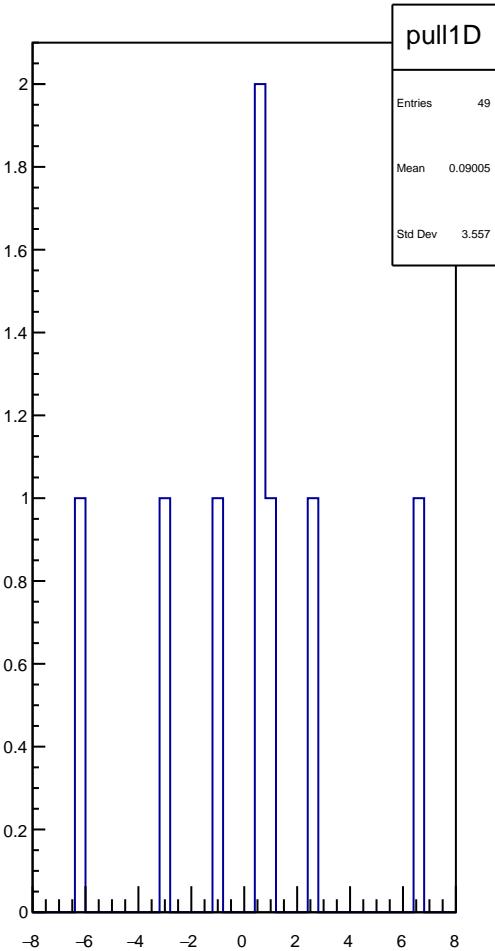
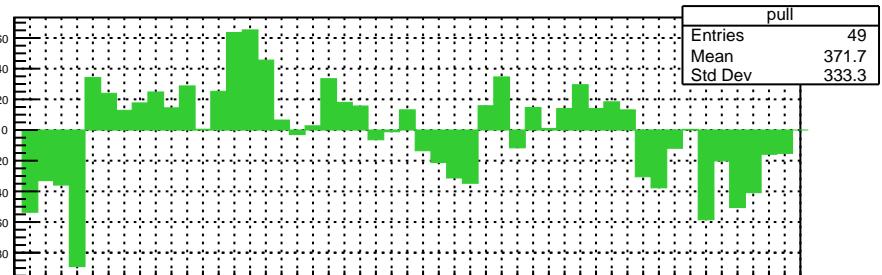
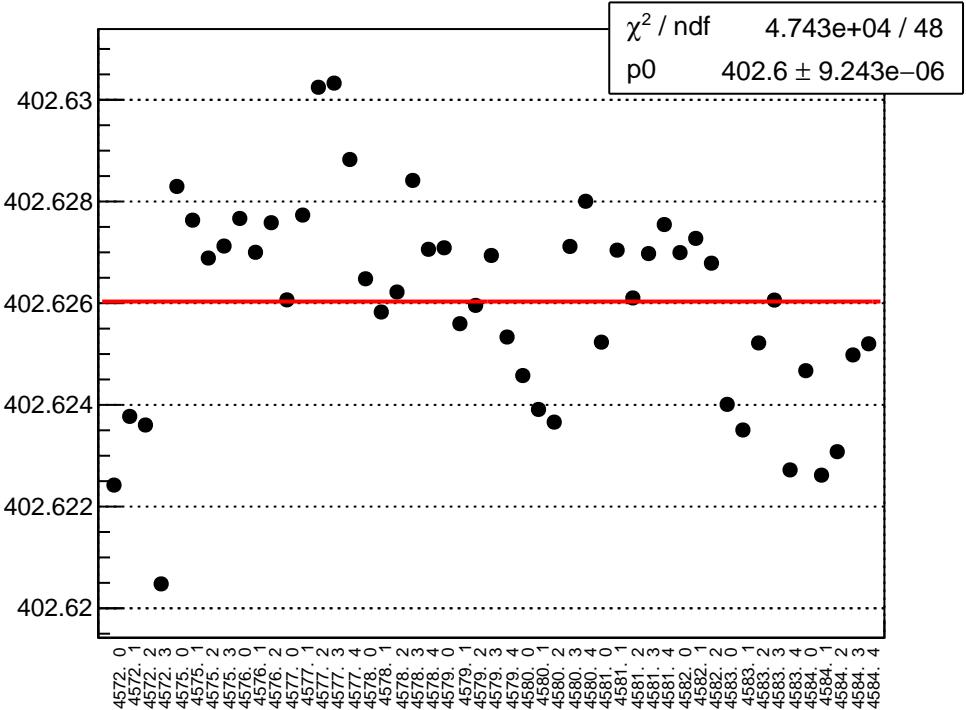
# yield\_bcm\_dg\_us\_rms vs run



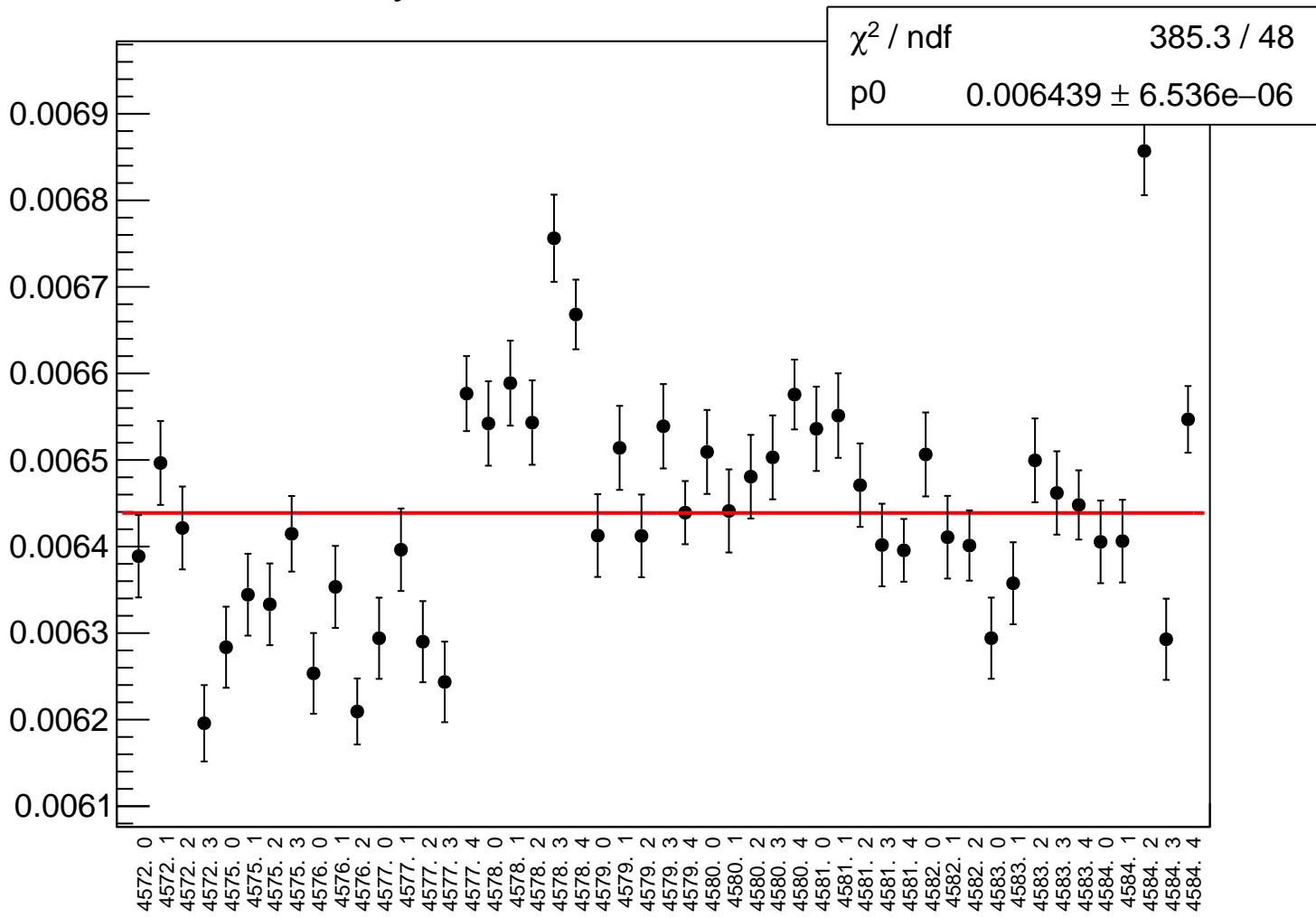


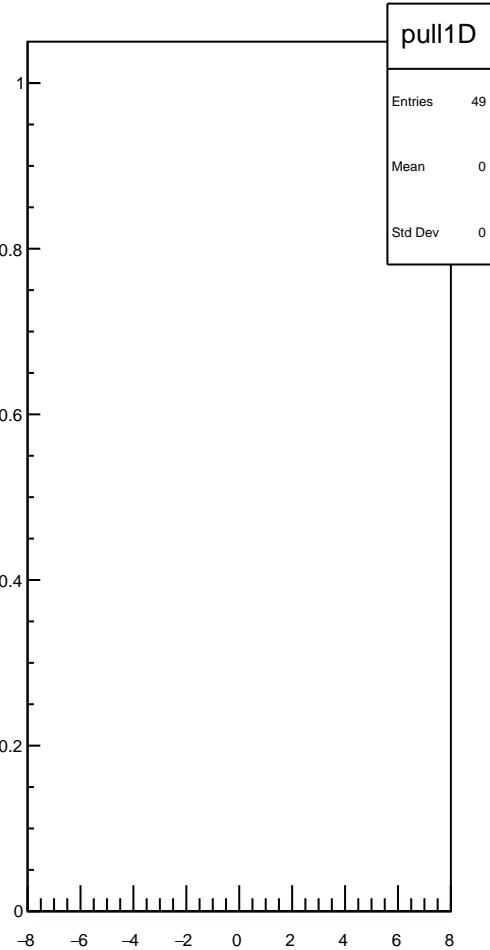
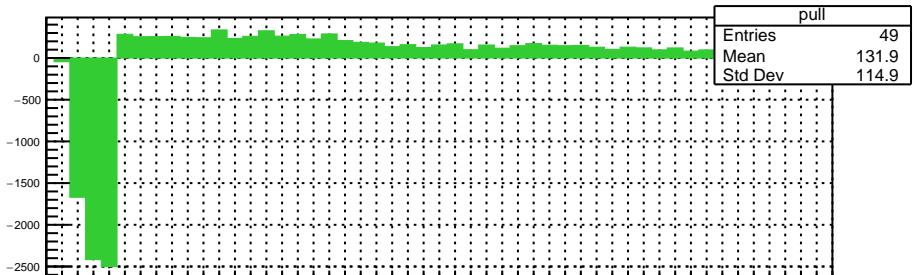
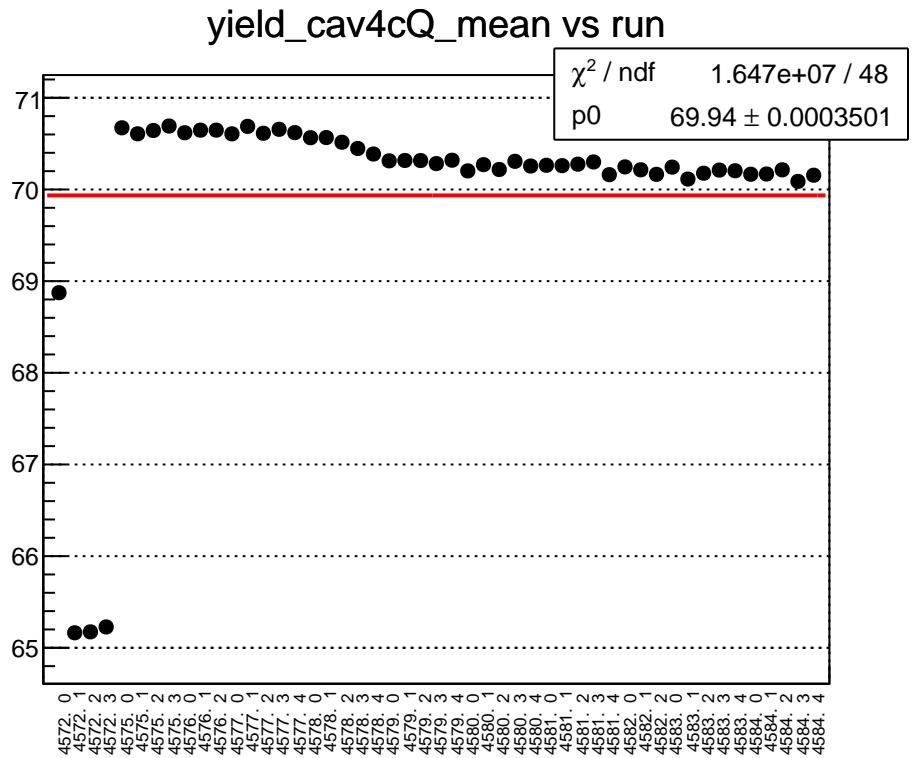
# yield\_bcm\_dg\_ds\_rms vs run



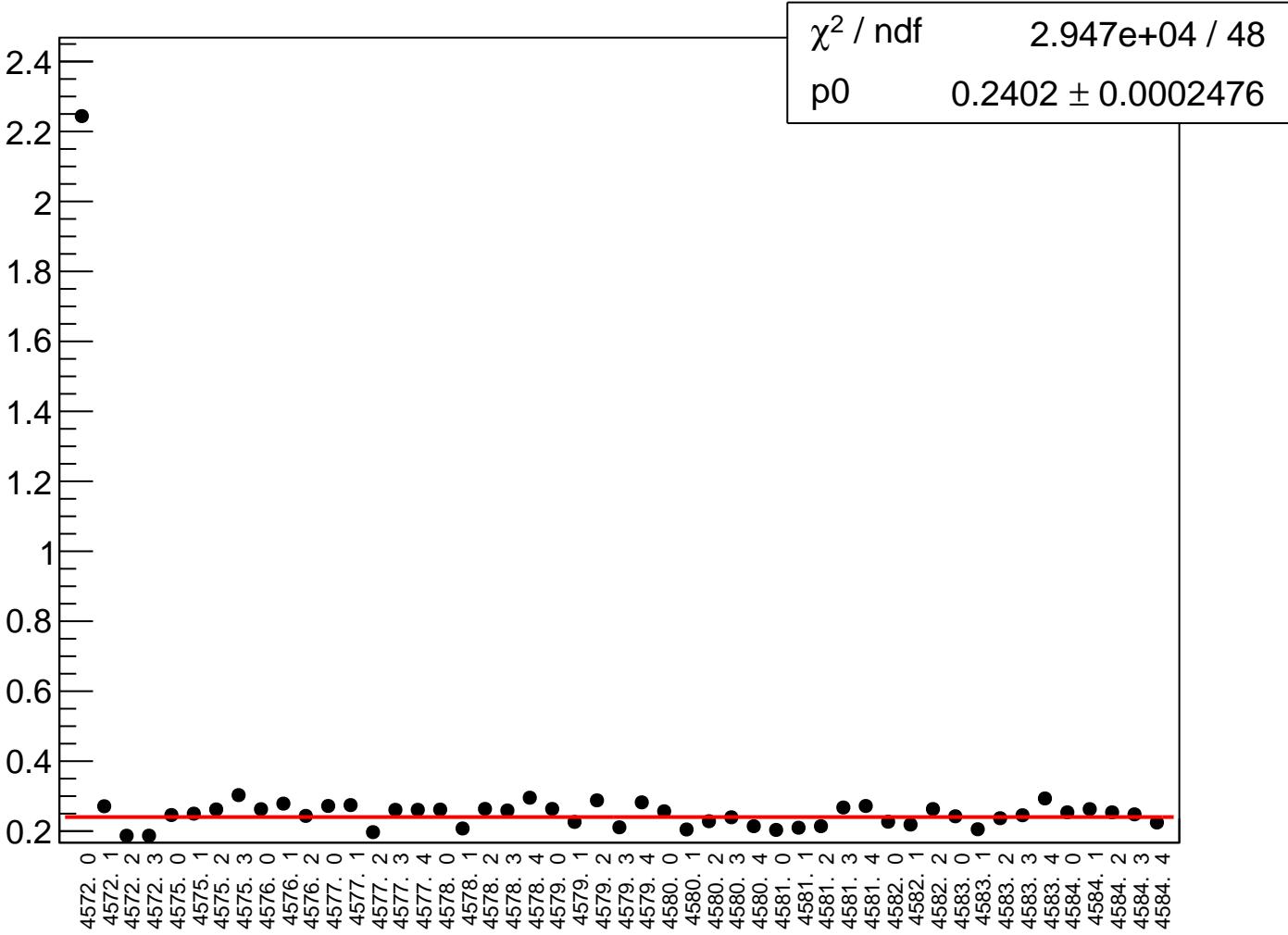


# yield\_cav4bQ\_rms vs run

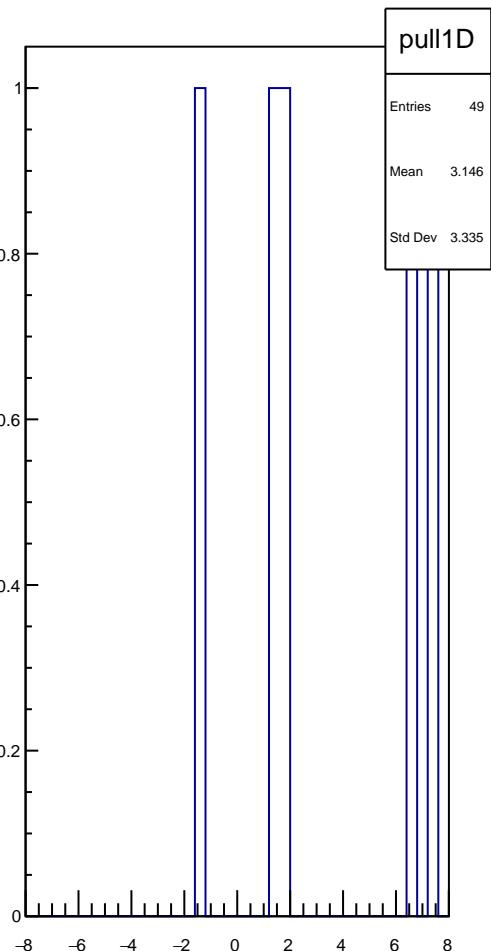
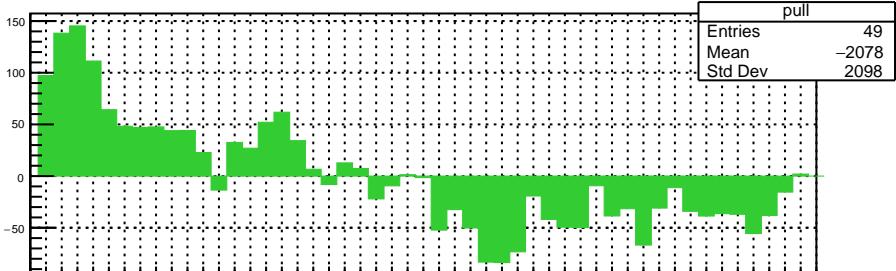
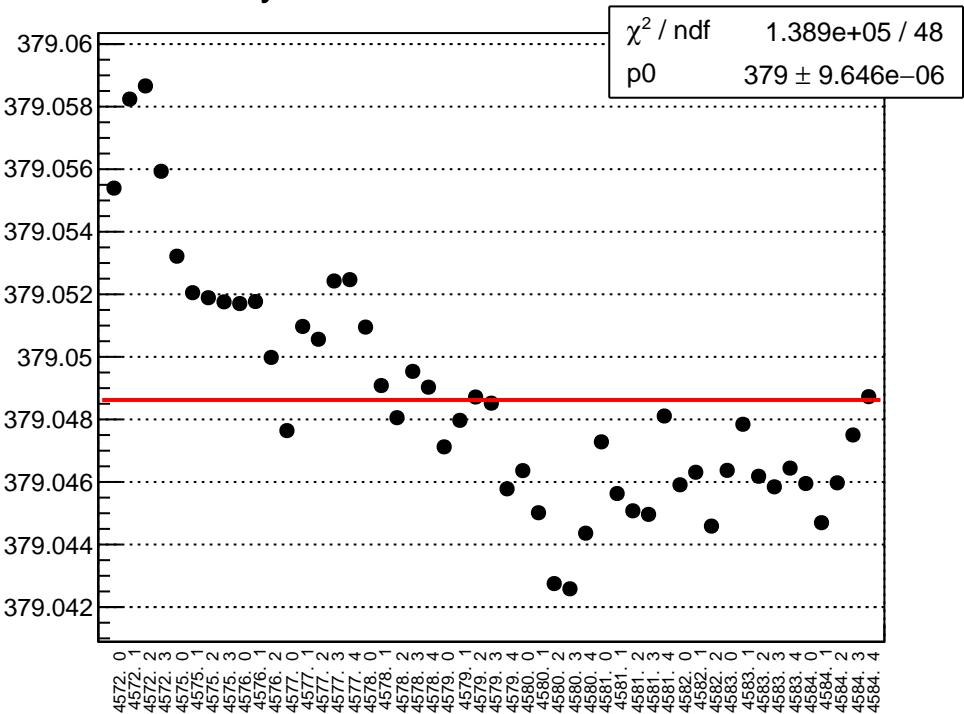




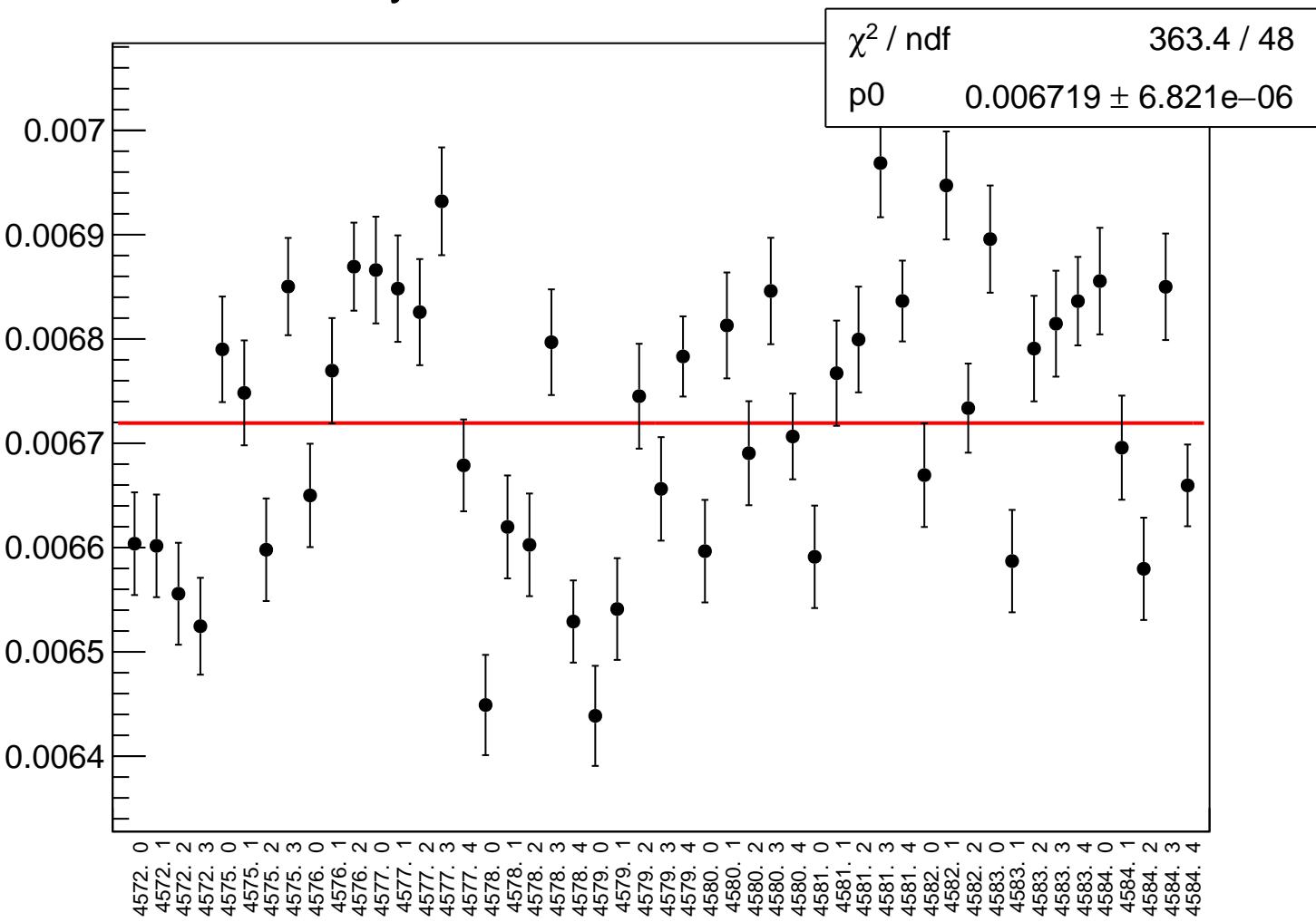
# yield\_cav4cQ\_rms vs run



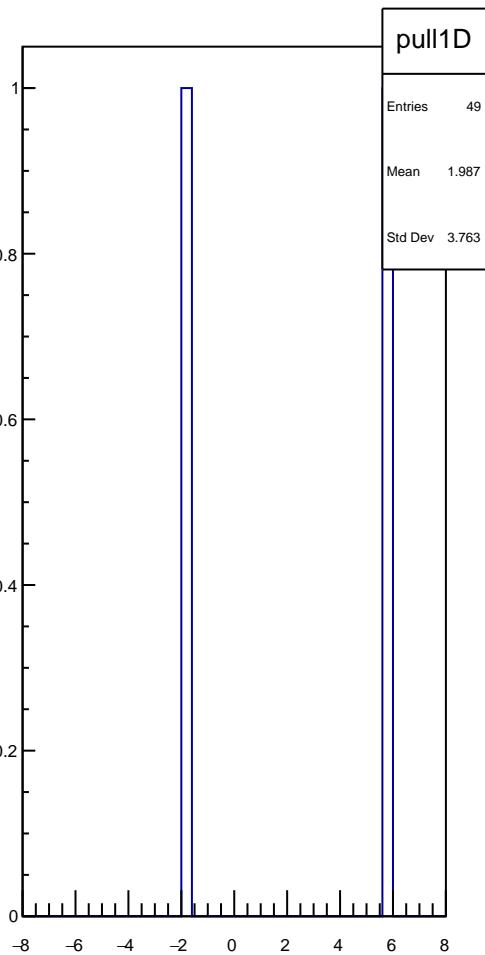
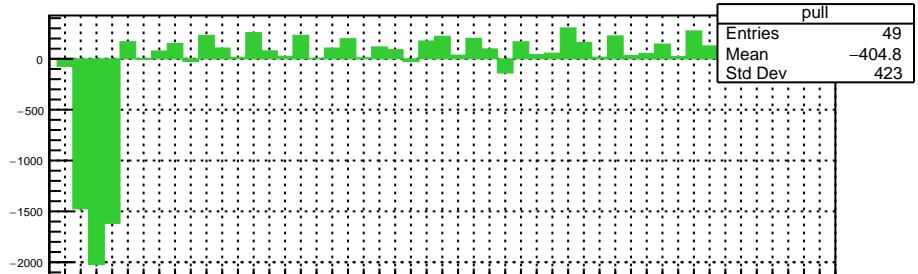
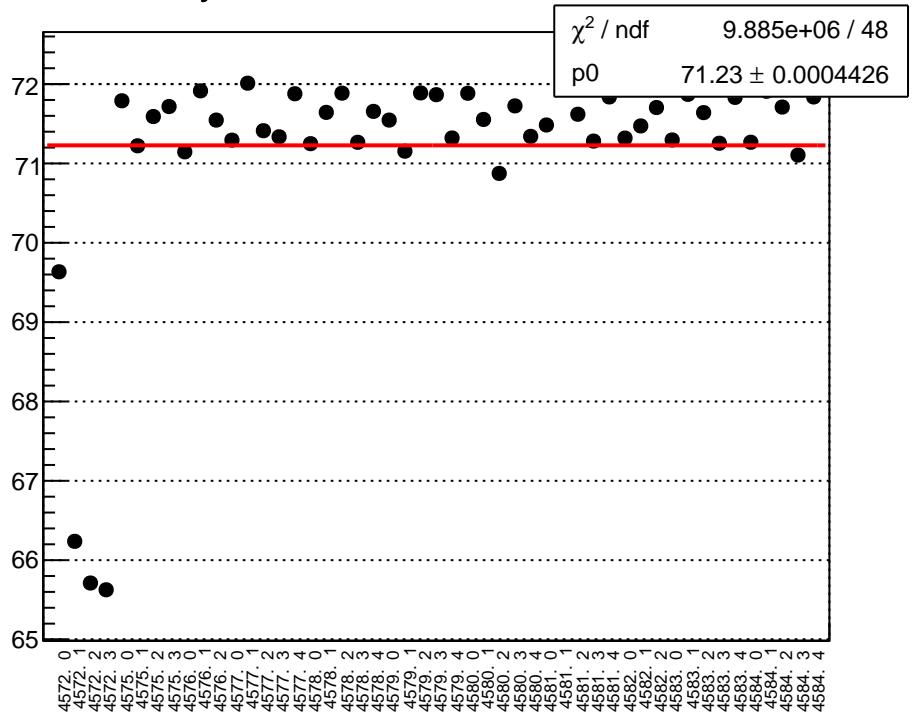
# yield\_cav4dQ\_mean vs run



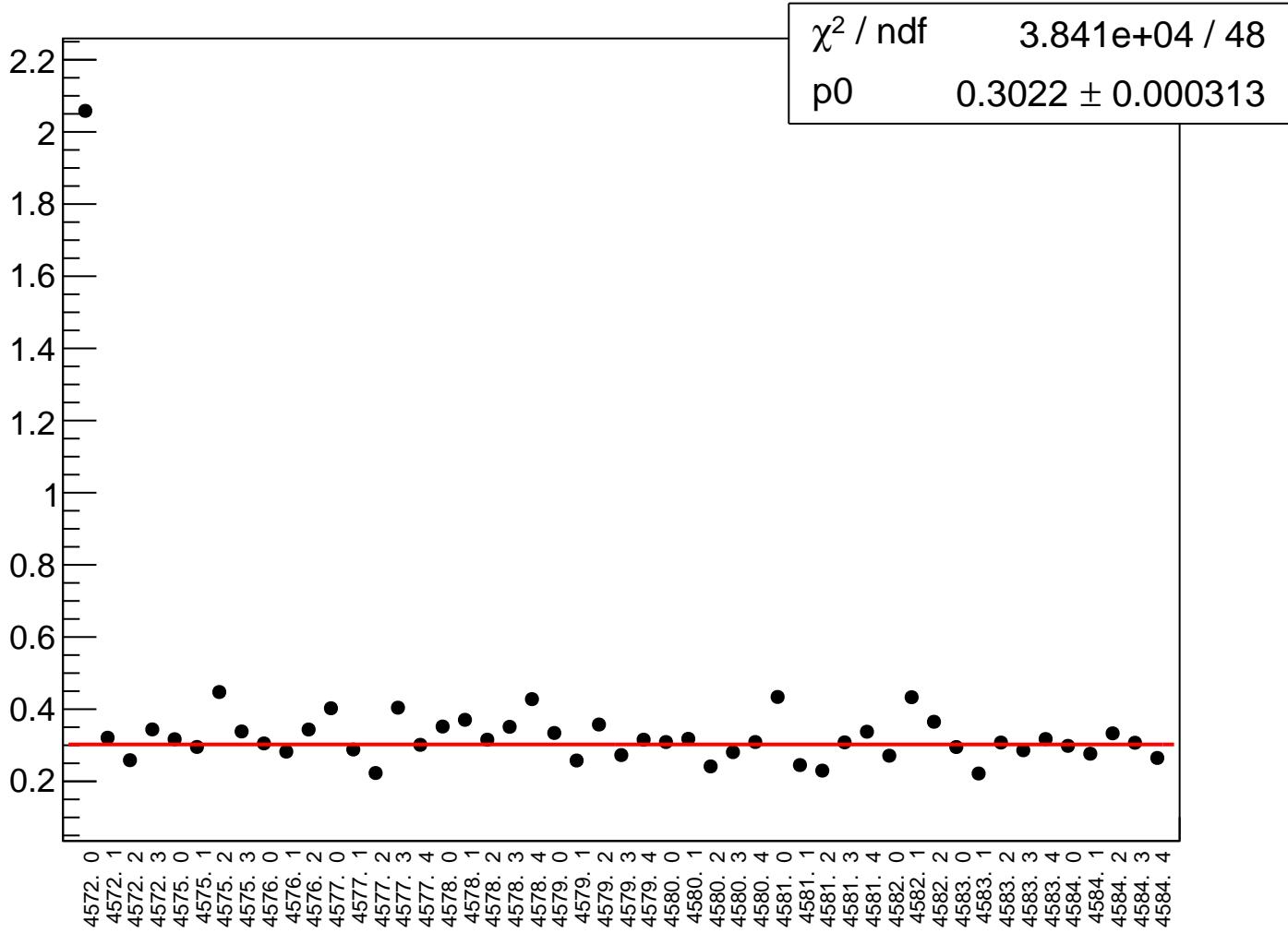
# yield\_cav4dQ\_rms vs run

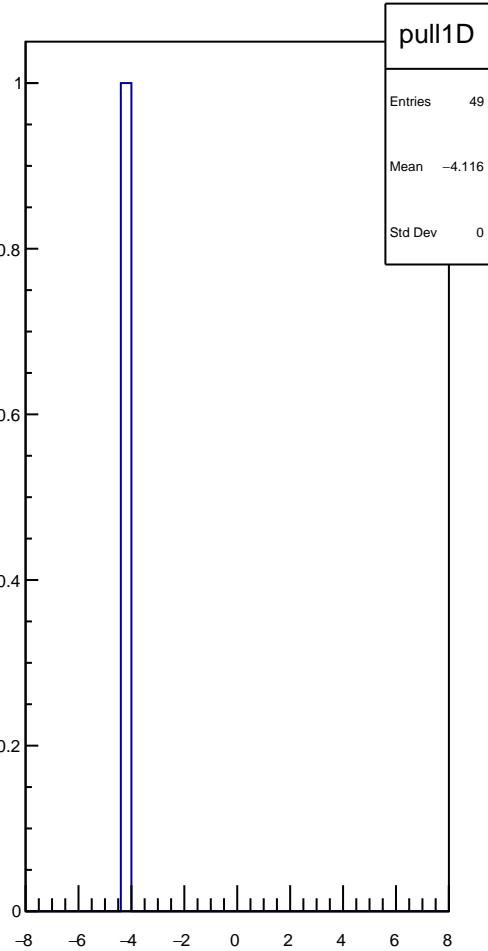
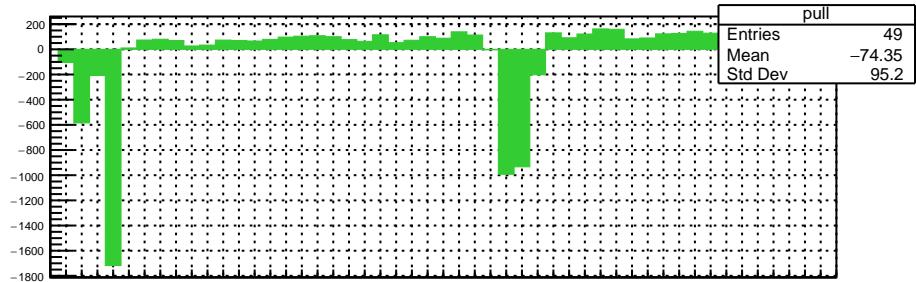
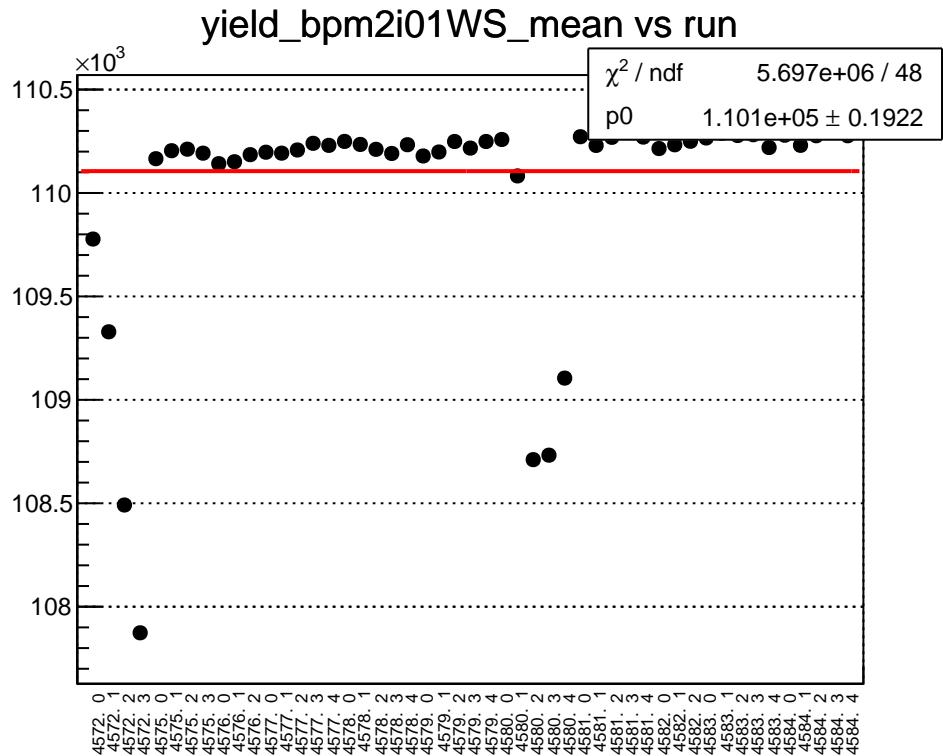


# yield\_bcm0l02\_mean vs run

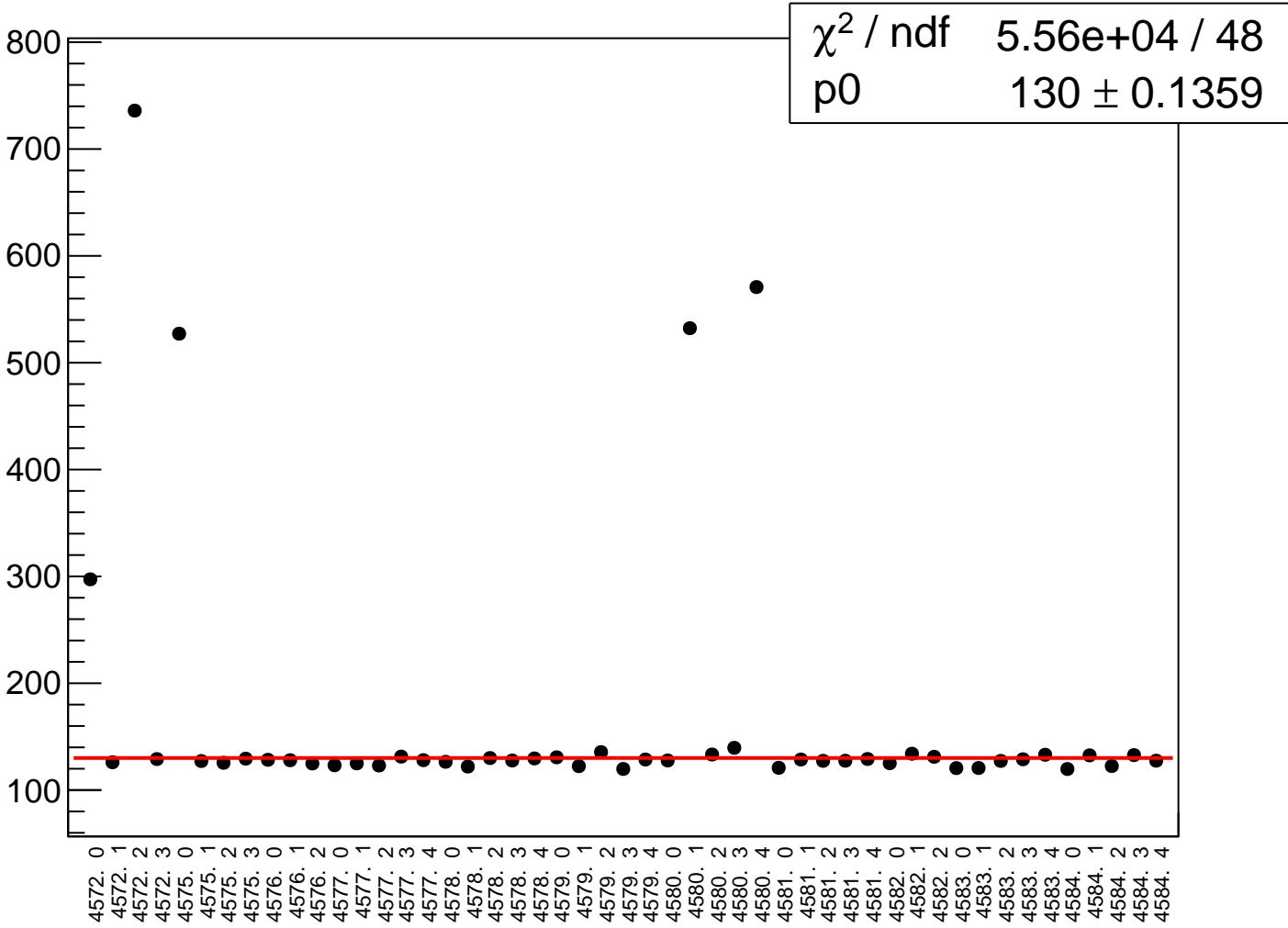


# yield\_bcm0l02\_rms vs run

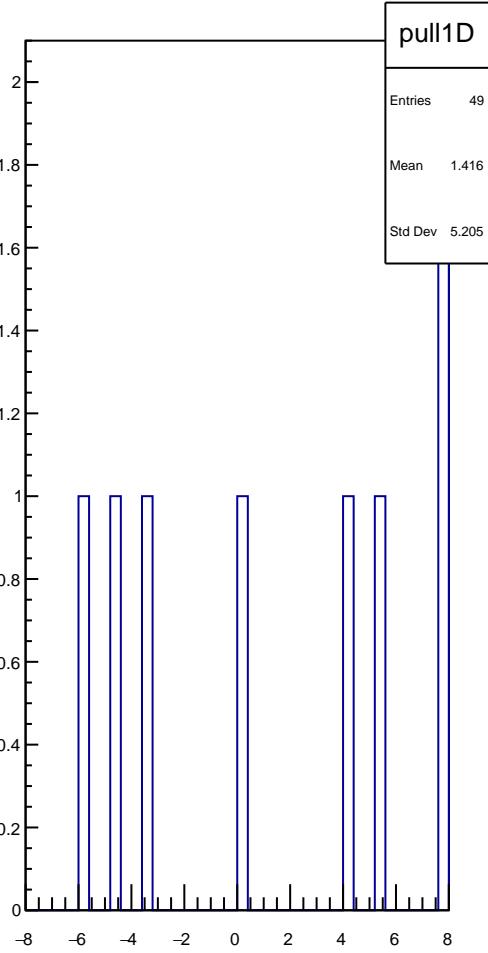
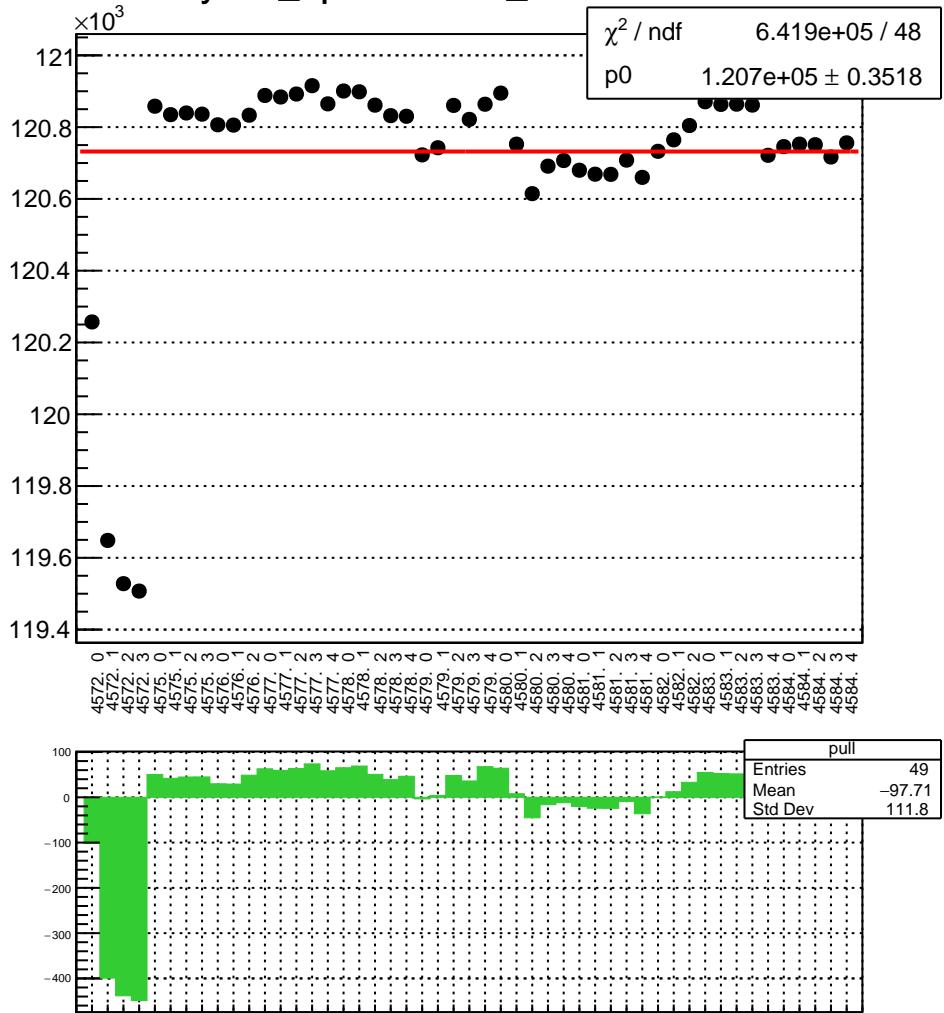




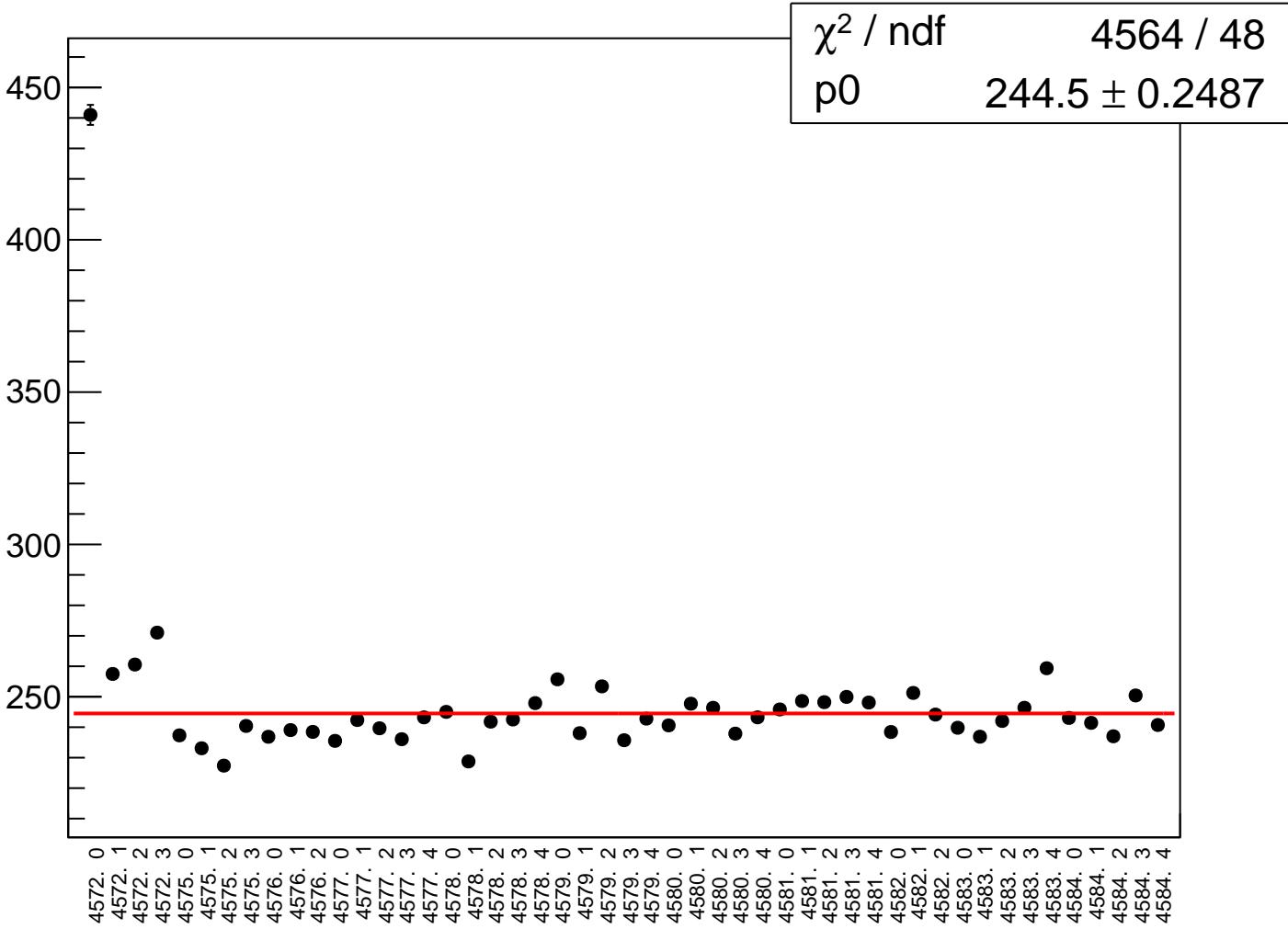
# yield\_bpm2i01WS\_rms vs run



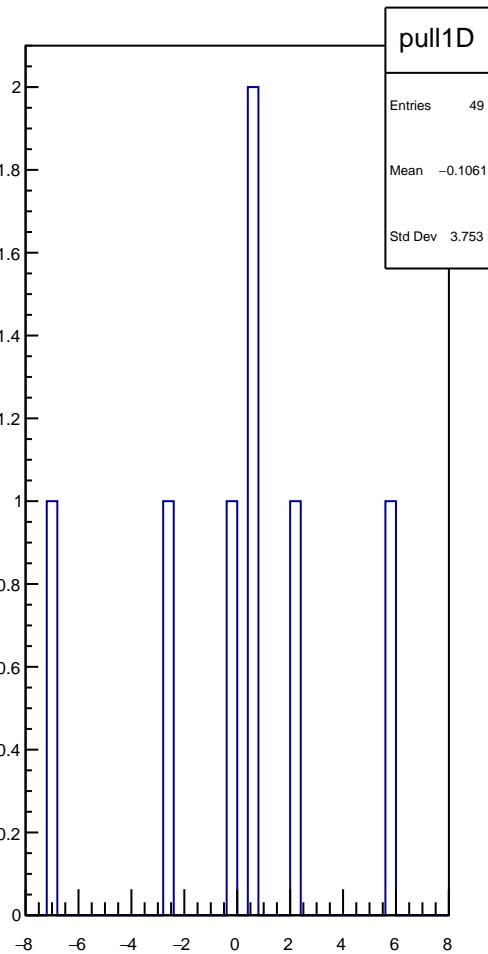
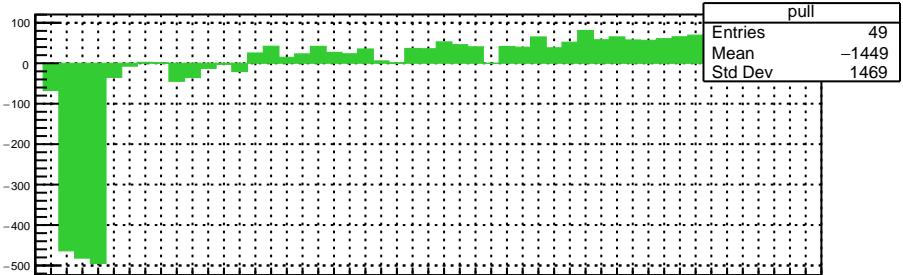
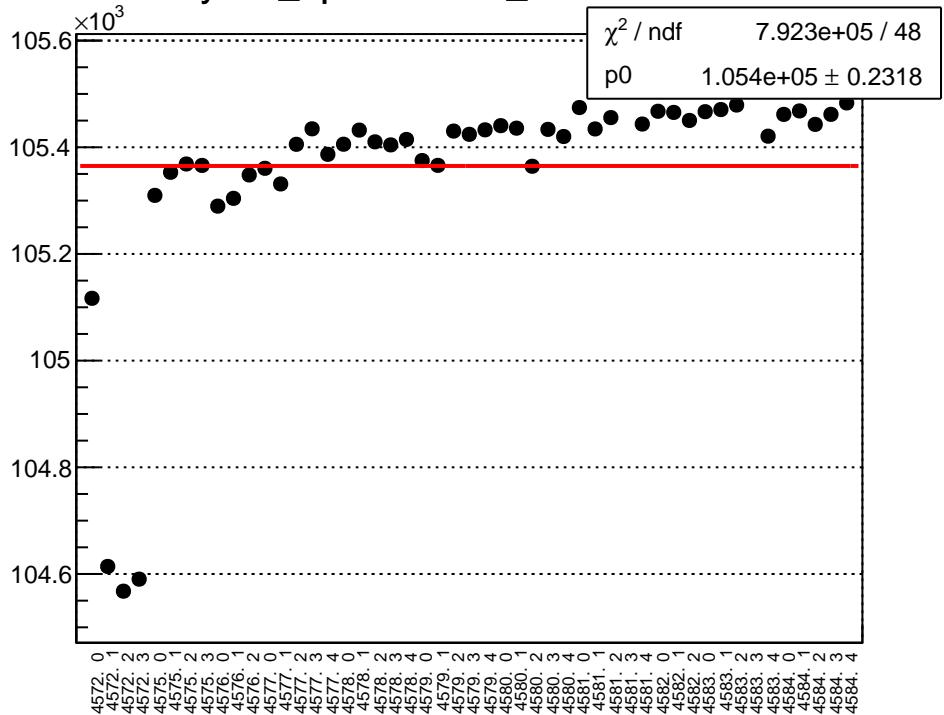
# yield\_bpm0i07WS\_mean vs run



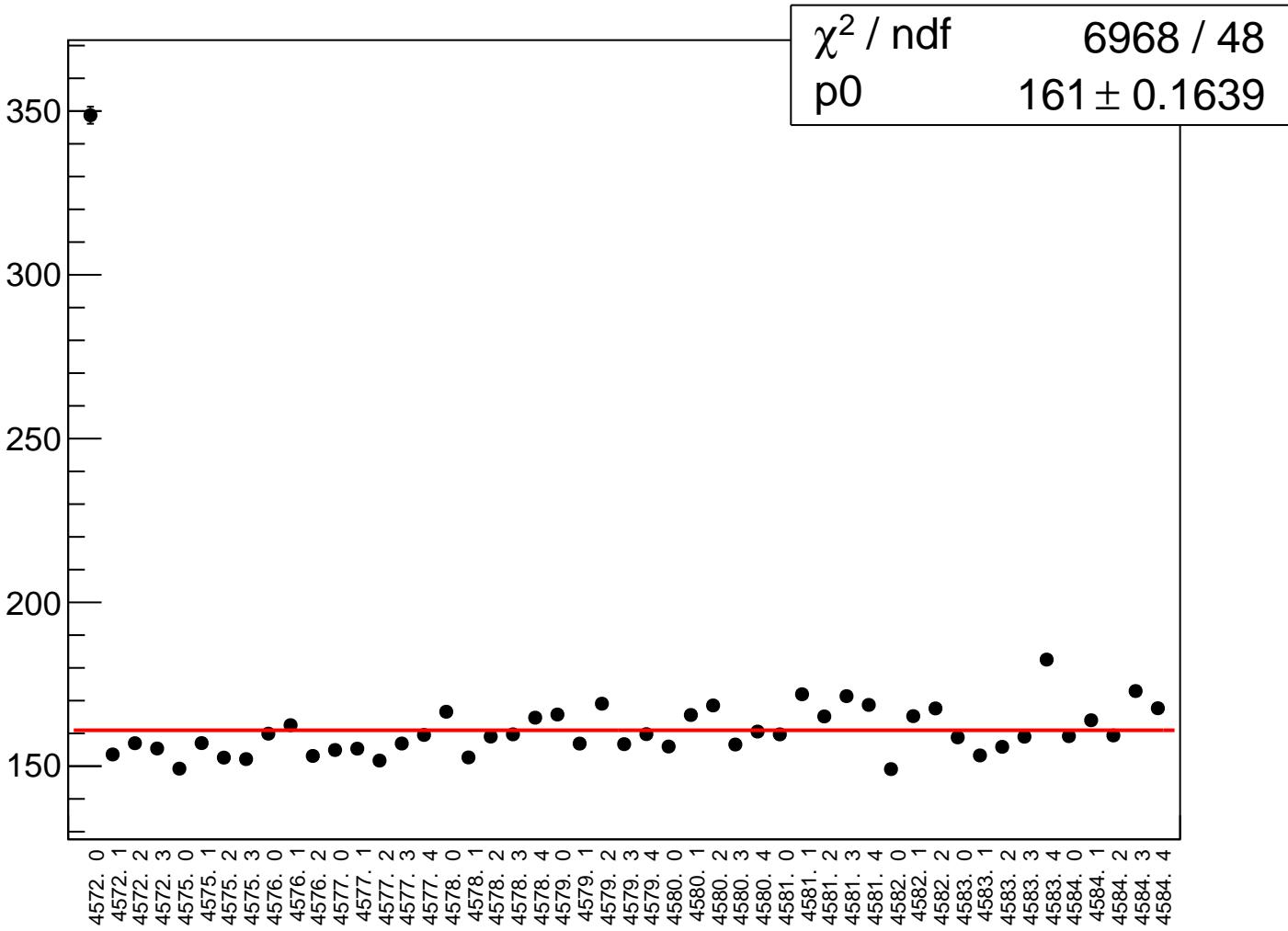
# yield\_bpm0i07WS\_rms vs run



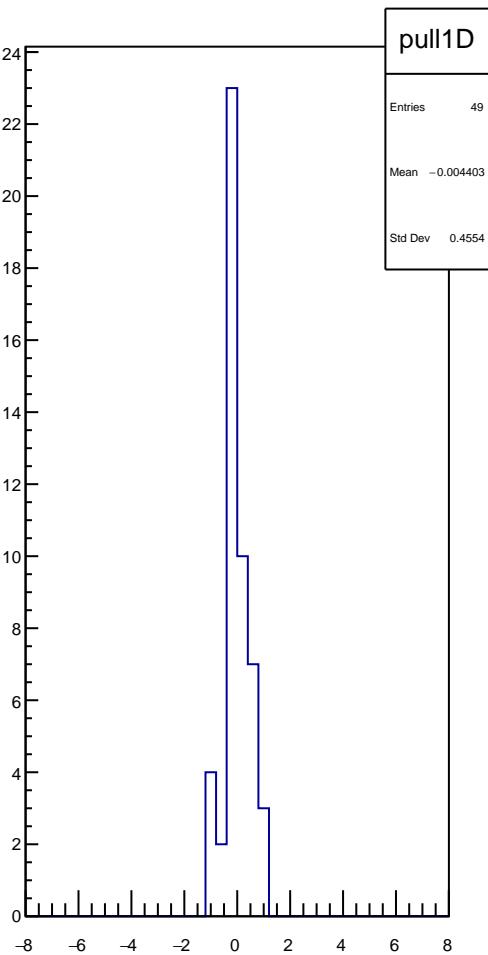
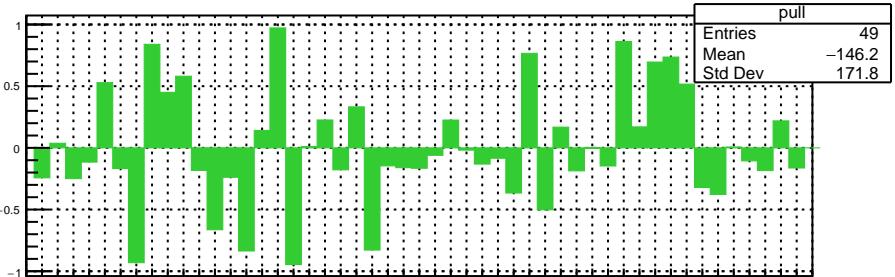
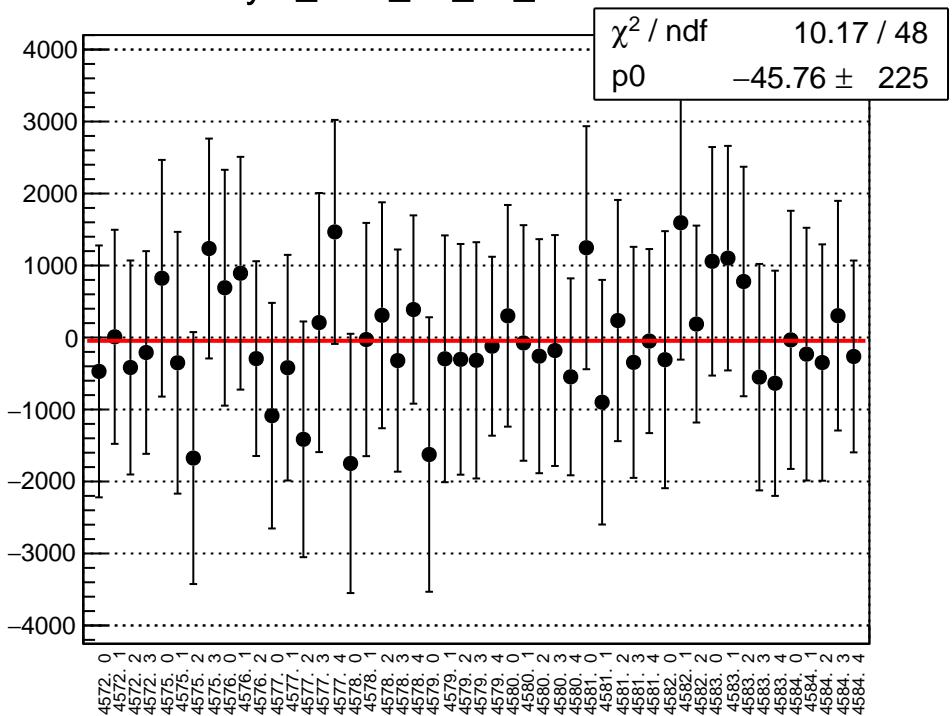
# yield\_bpm0l01WS\_mean vs run



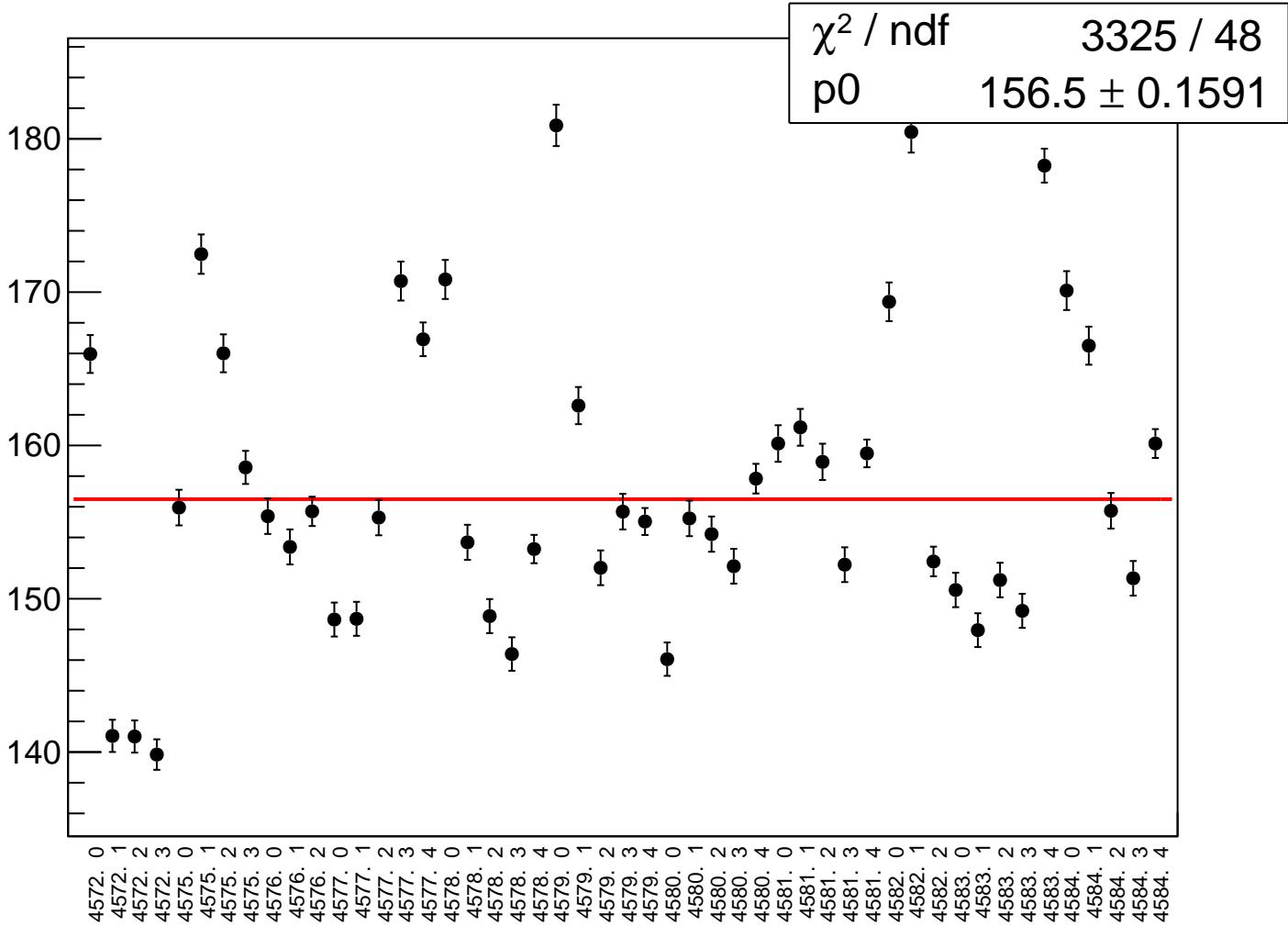
# yield\_bpm0l01WS\_rms vs run



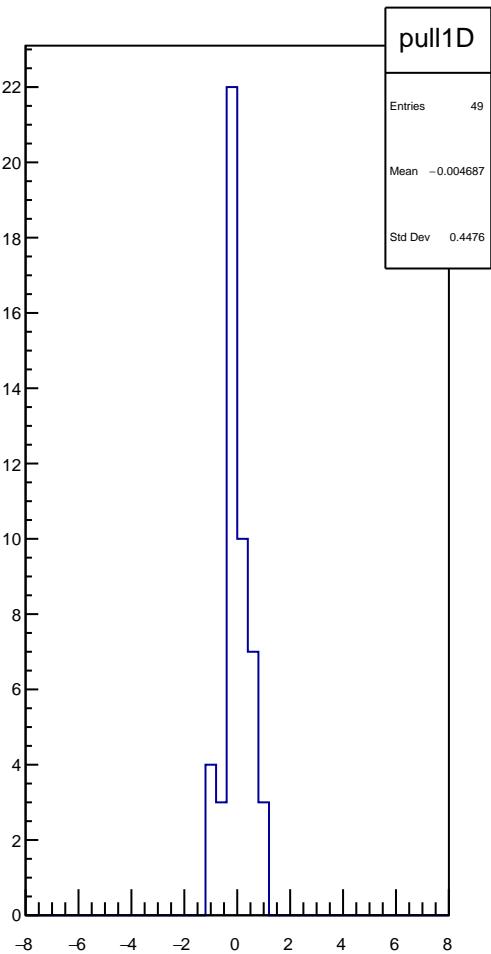
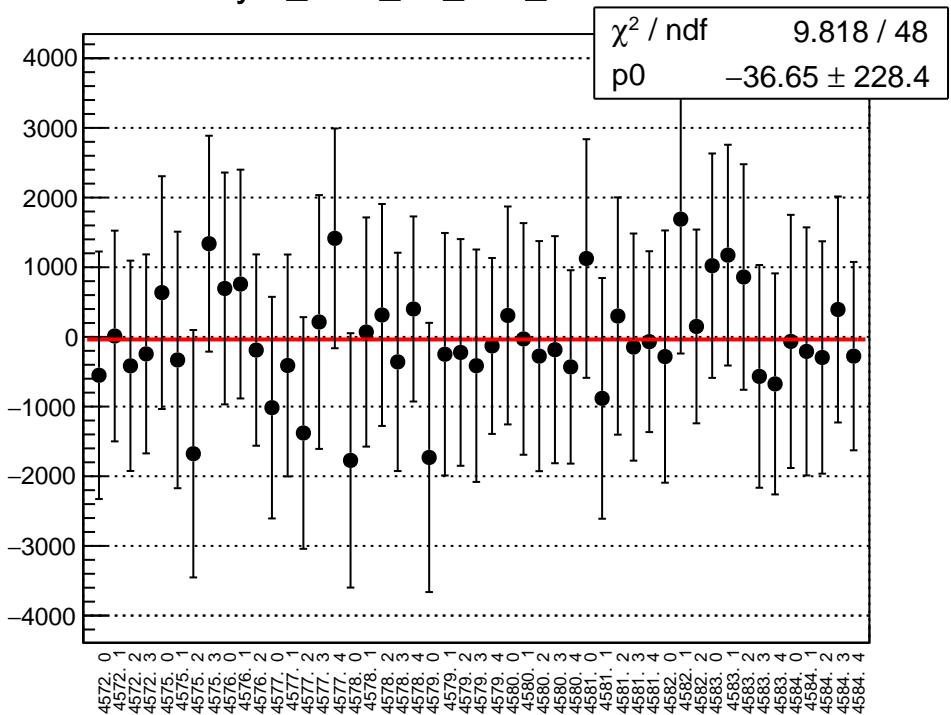
# asym\_bcm\_an\_ds\_mean vs run



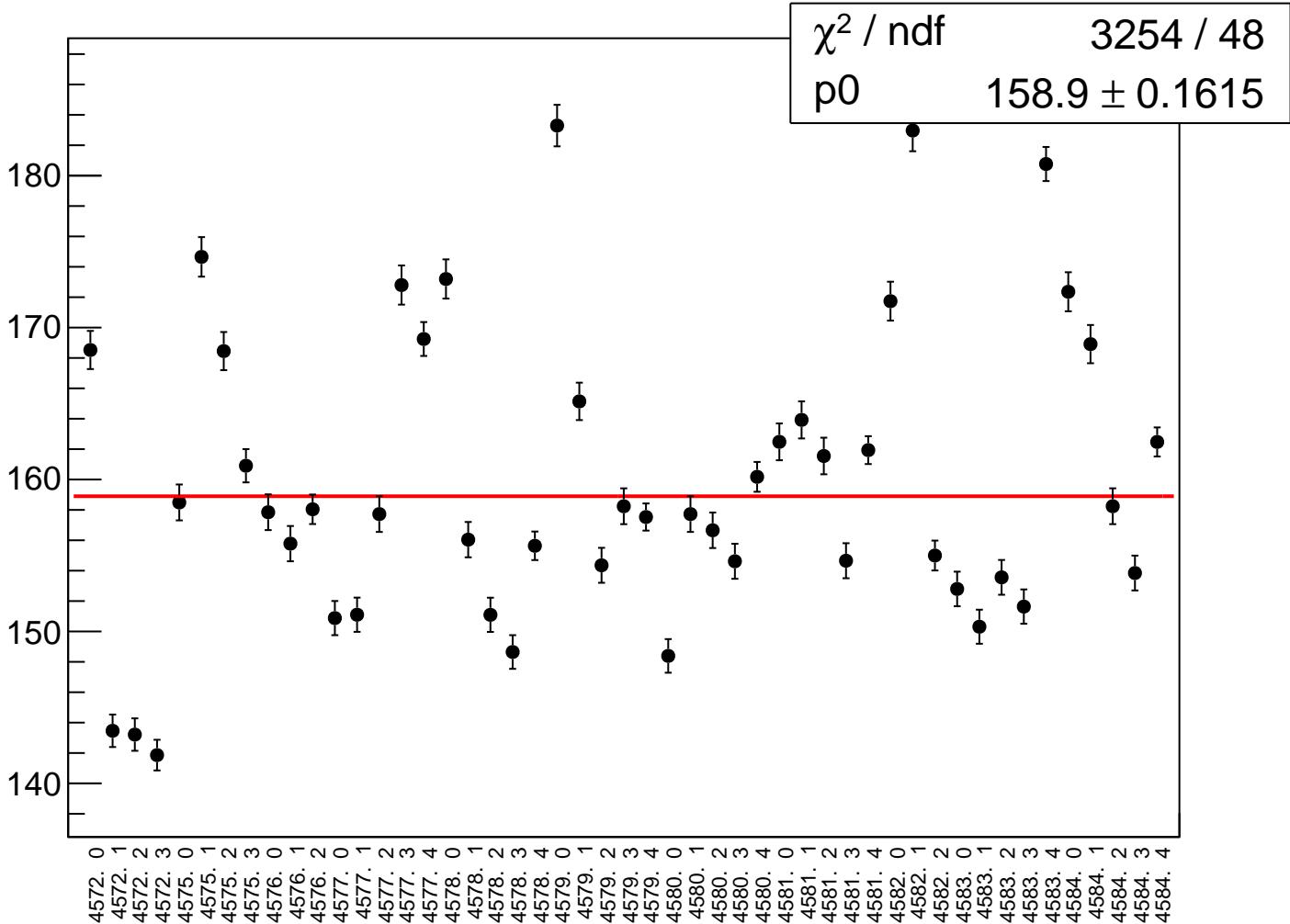
# asym\_bcm\_an\_ds\_rms vs run



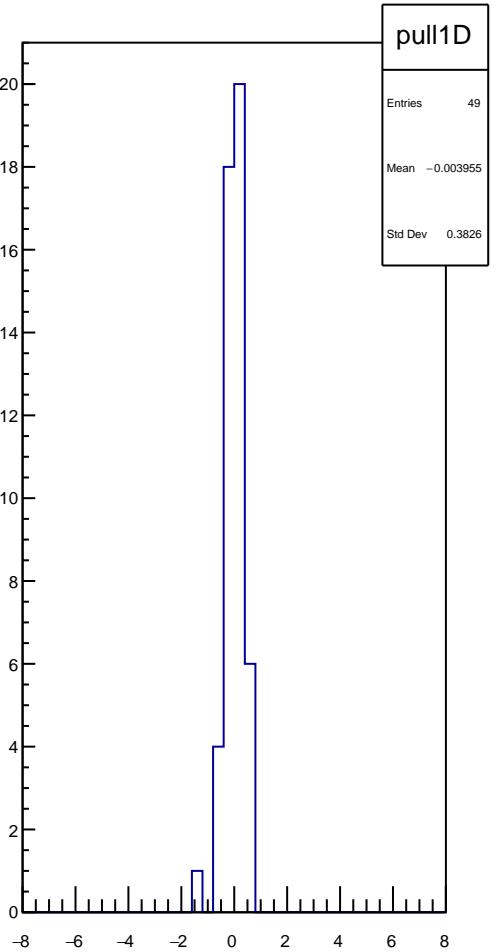
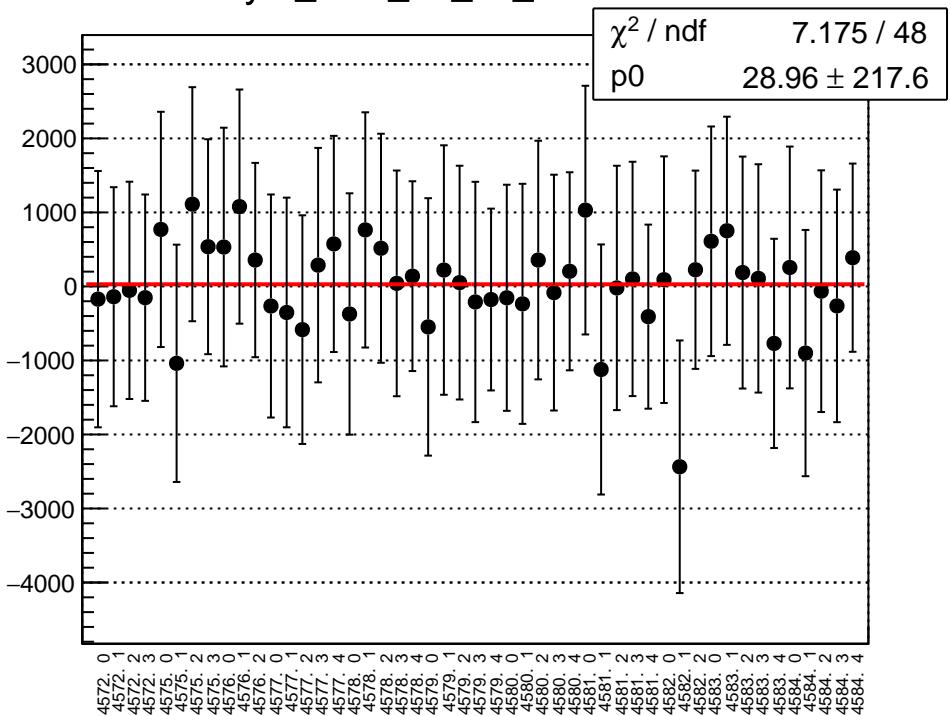
# asym\_bcm\_an\_ds3\_mean vs run



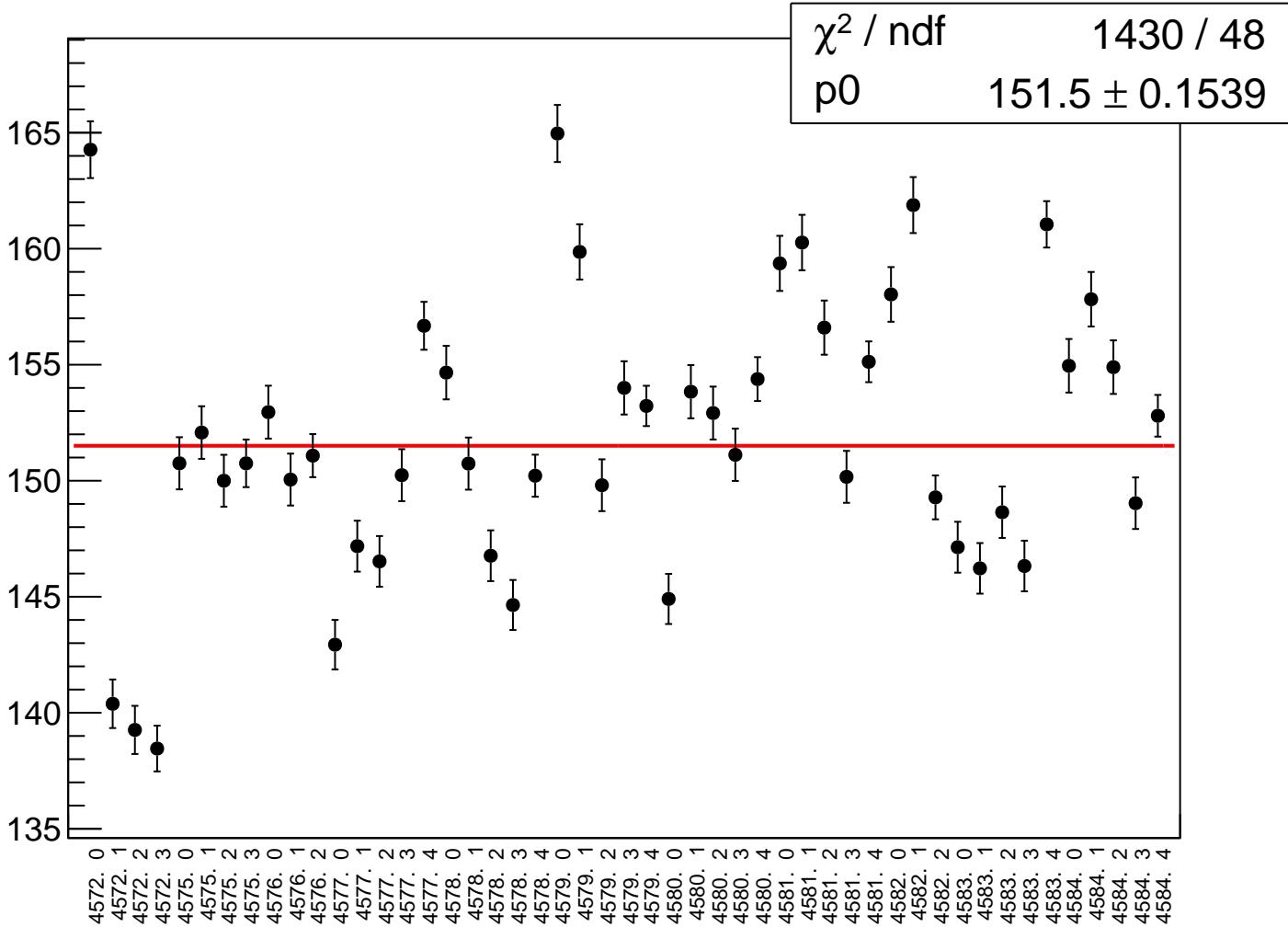
# asym\_bcm\_an\_ds3\_rms vs run



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



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



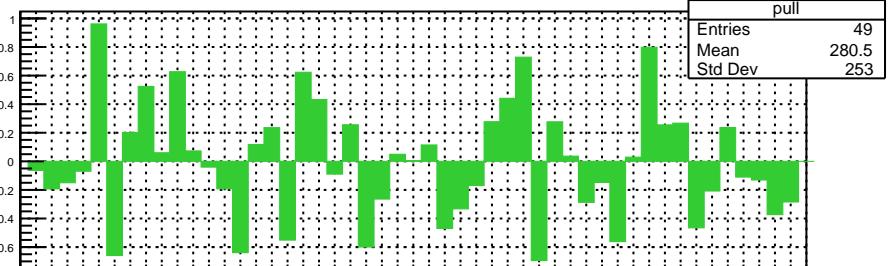
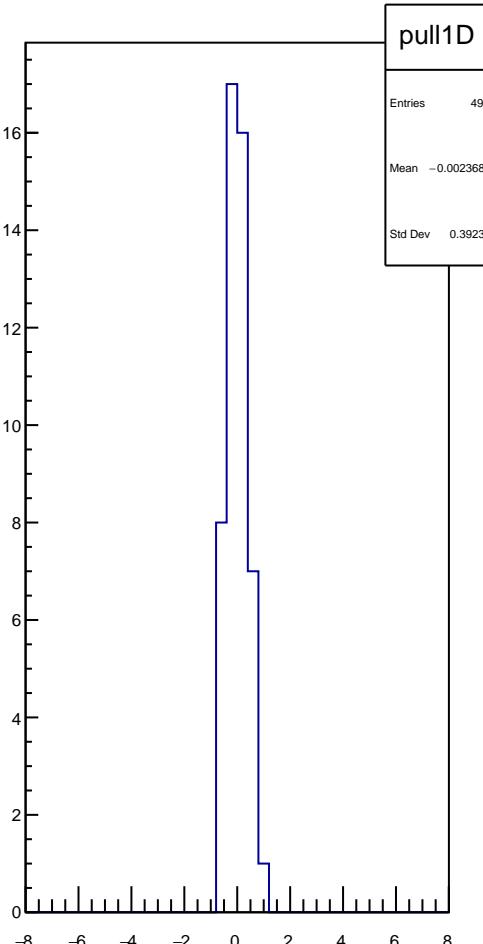
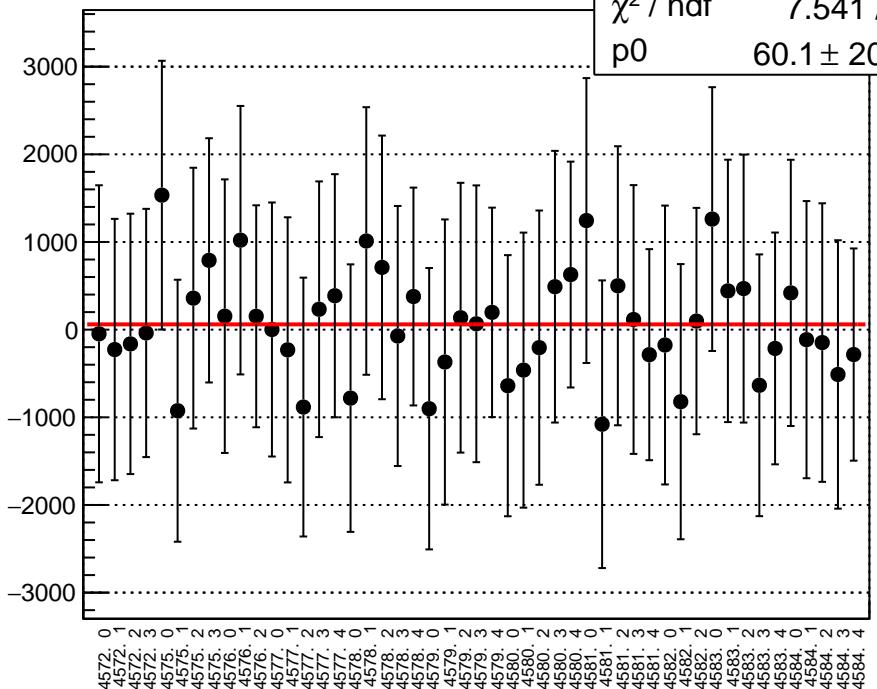
# asym\_bcm\_dg\_us\_mean vs run

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

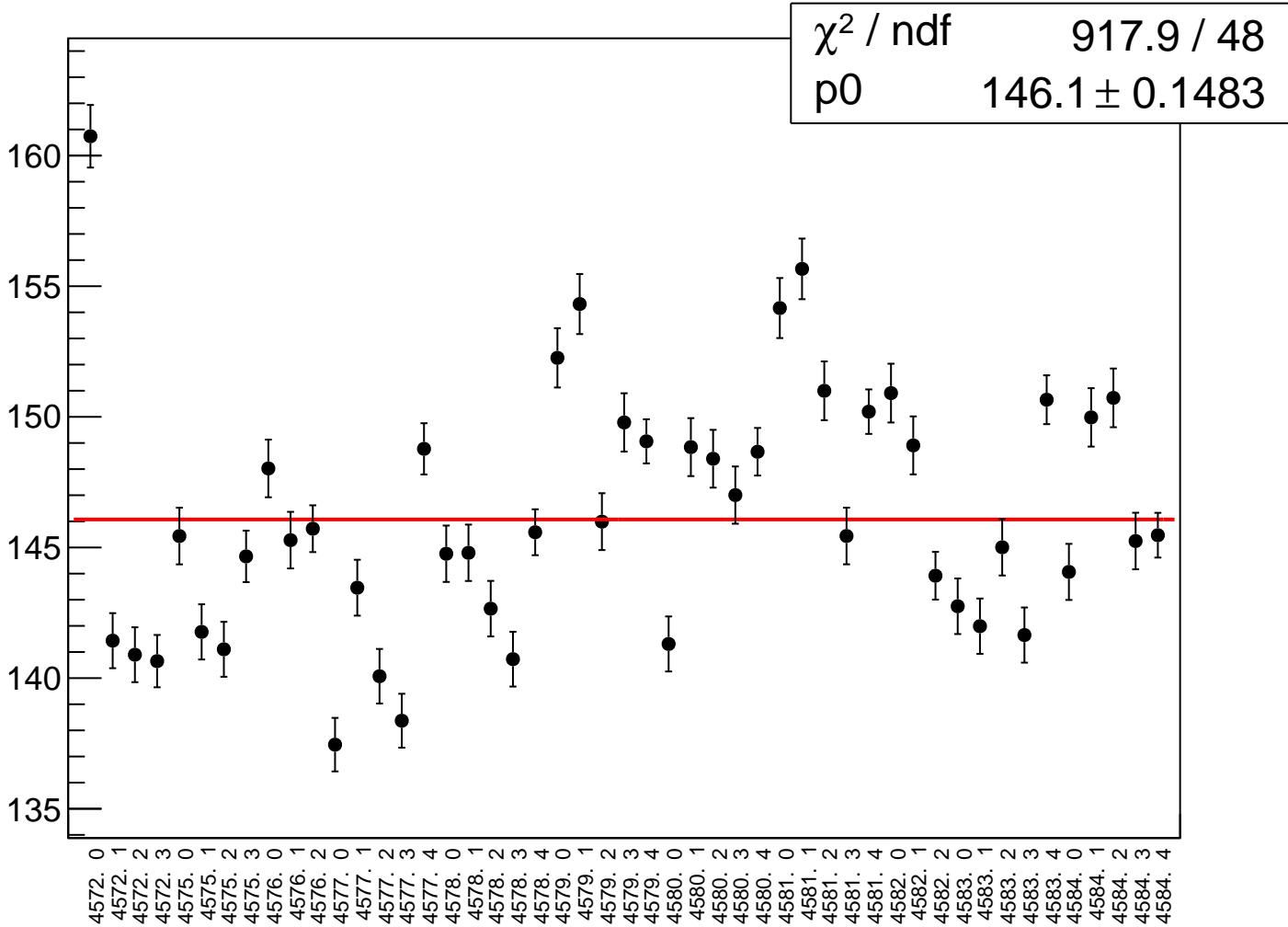
7.541 / 48

p0

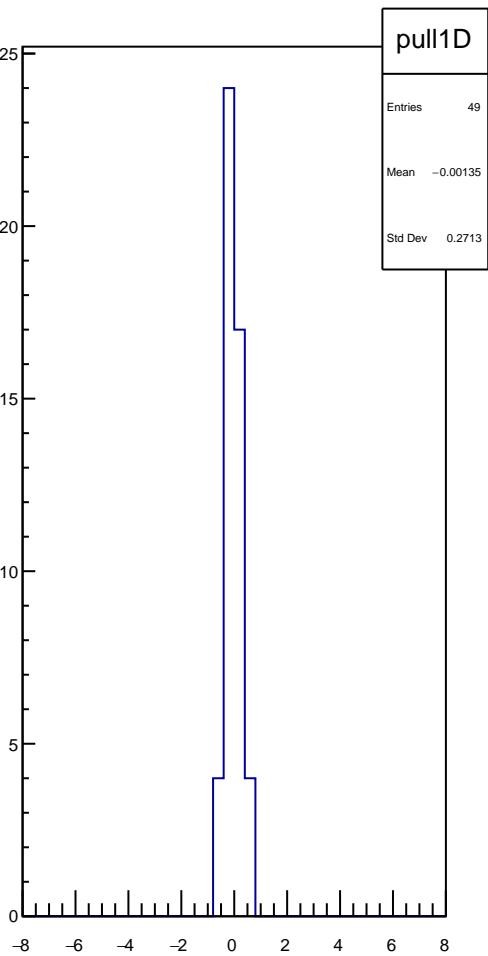
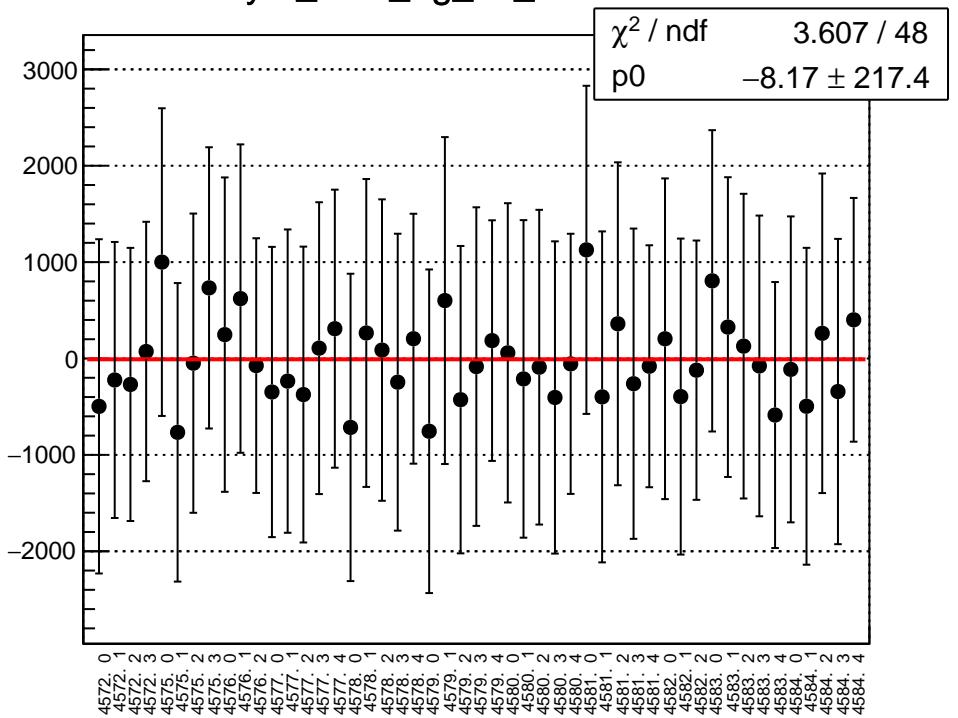
$60.1 \pm 209.8$



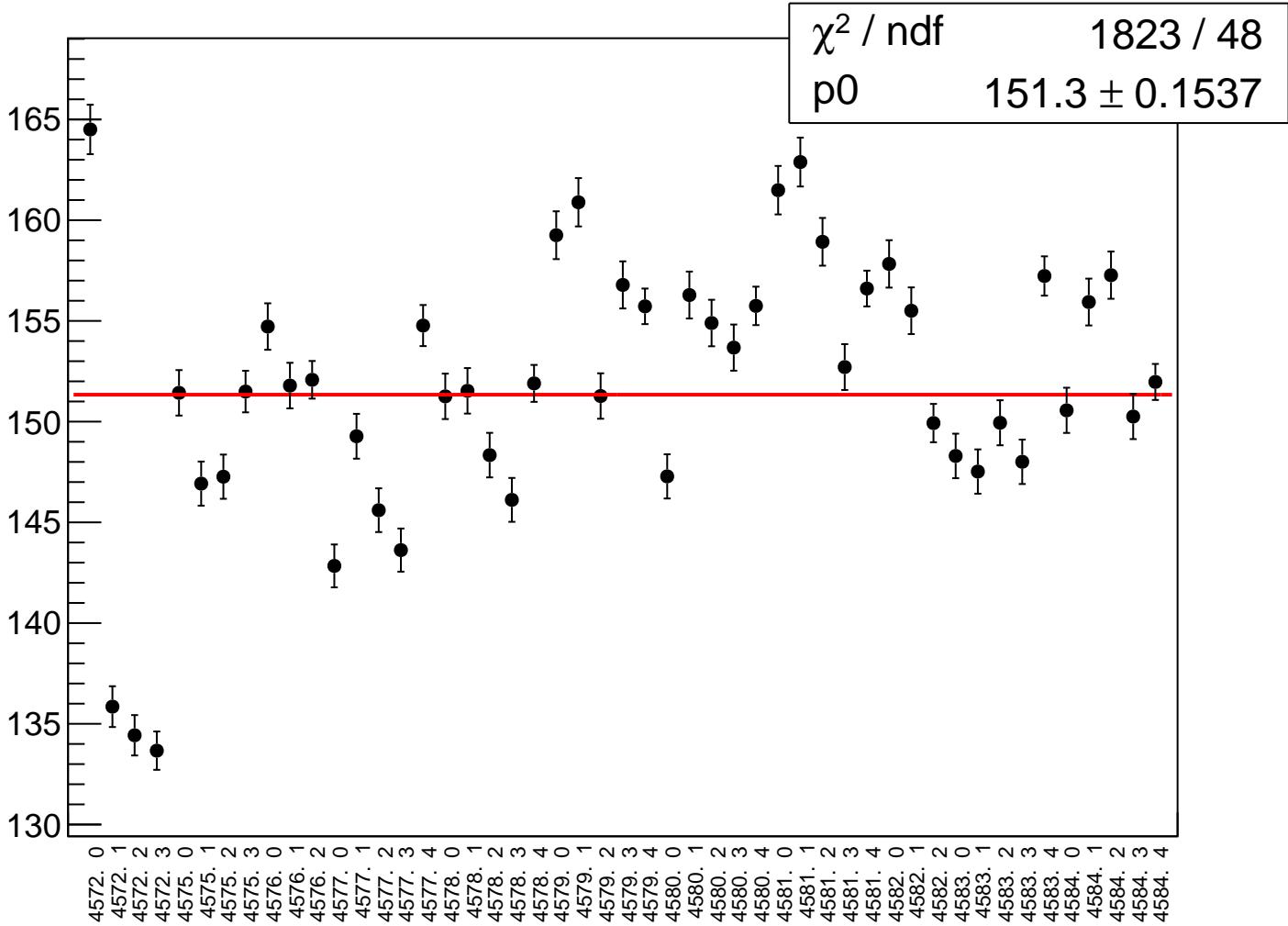
# asym\_bcm\_dg\_us\_rms vs run



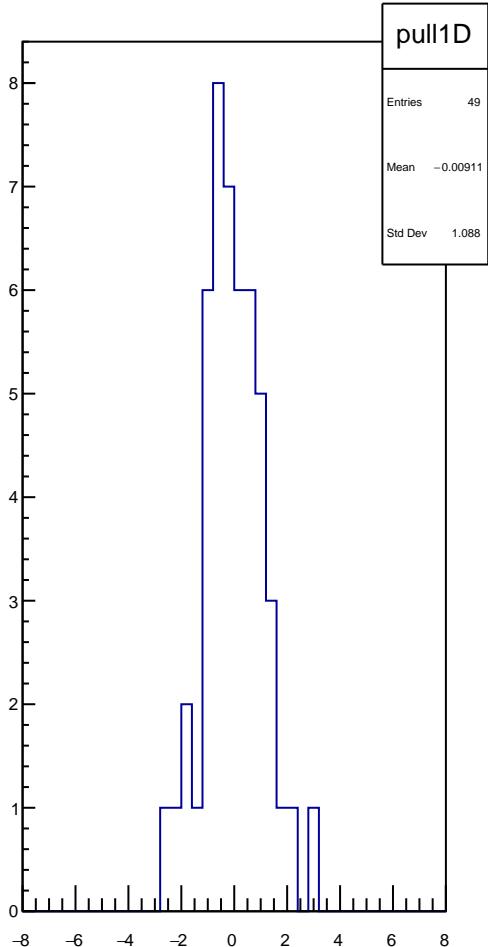
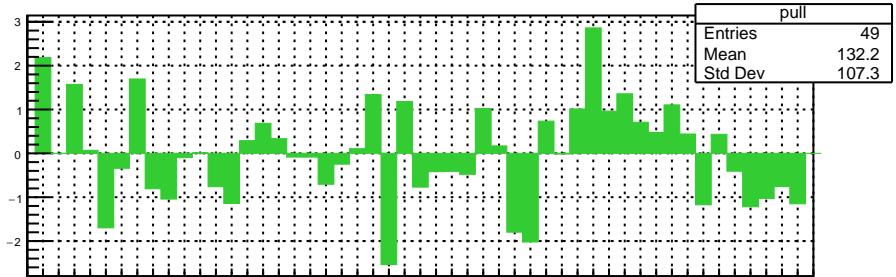
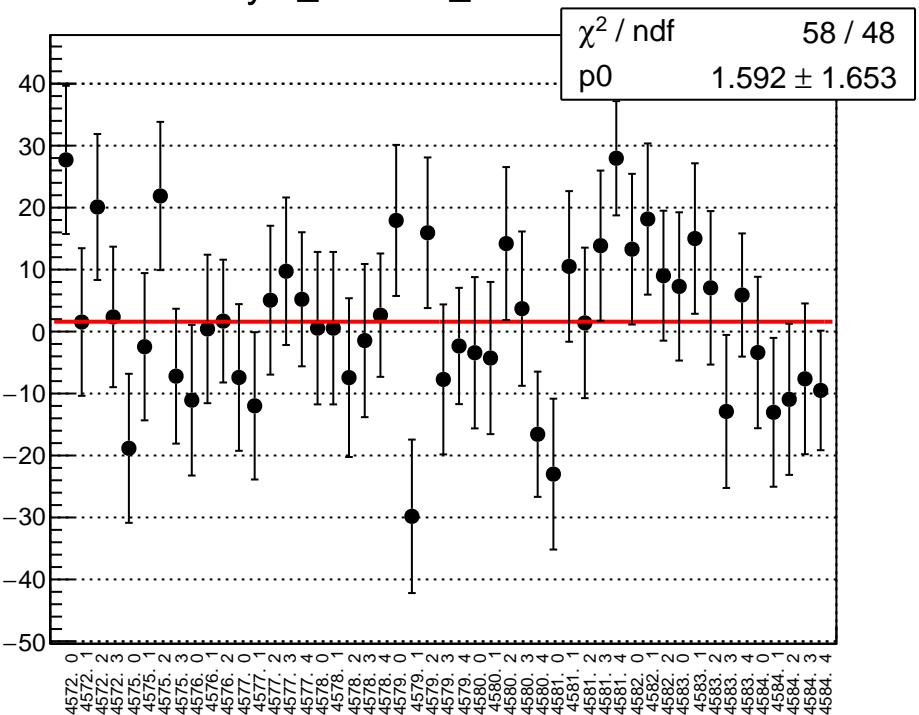
# asym\_bcm\_dg\_ds\_mean vs run



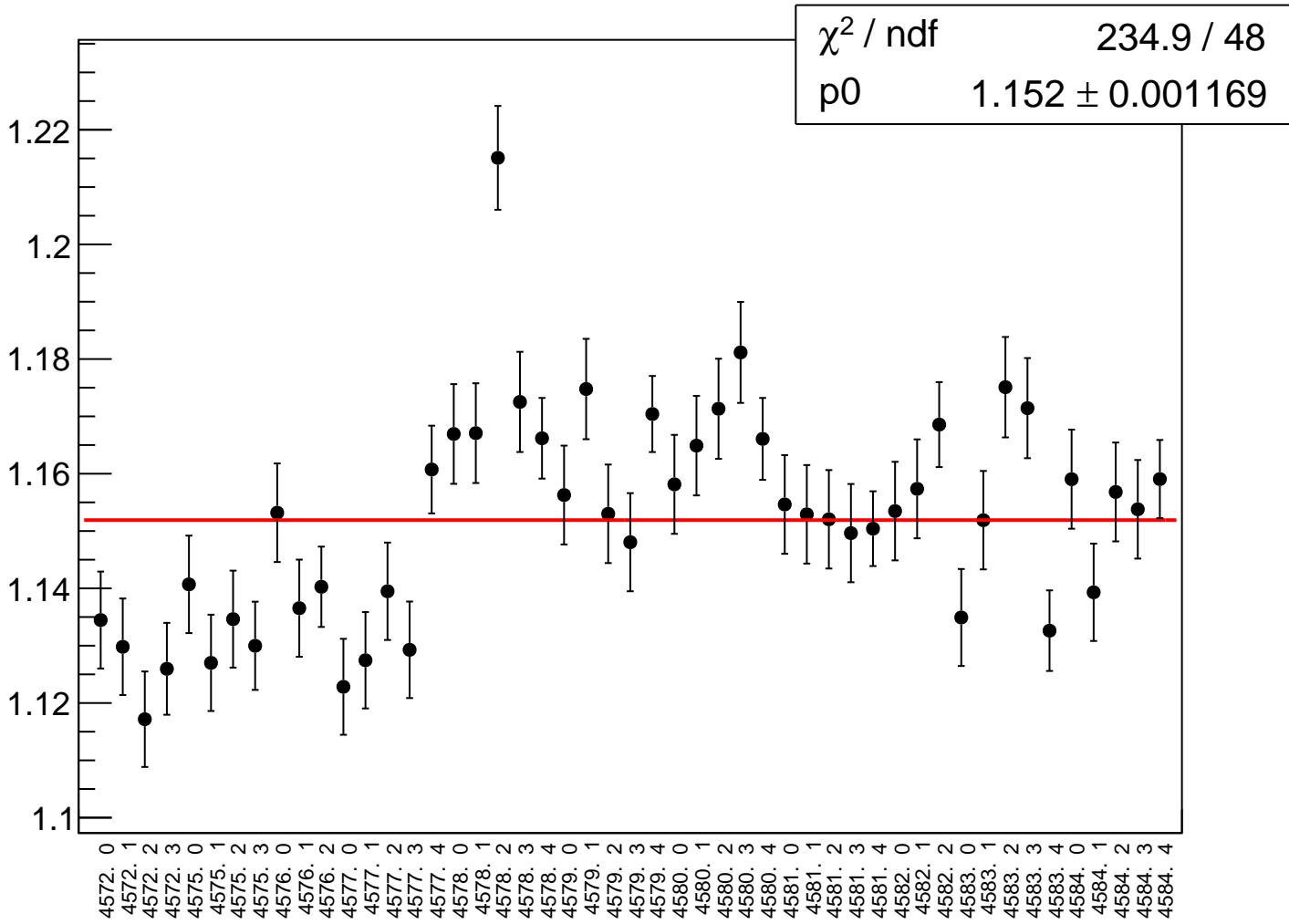
# asym\_bcm\_dg\_ds\_rms vs run



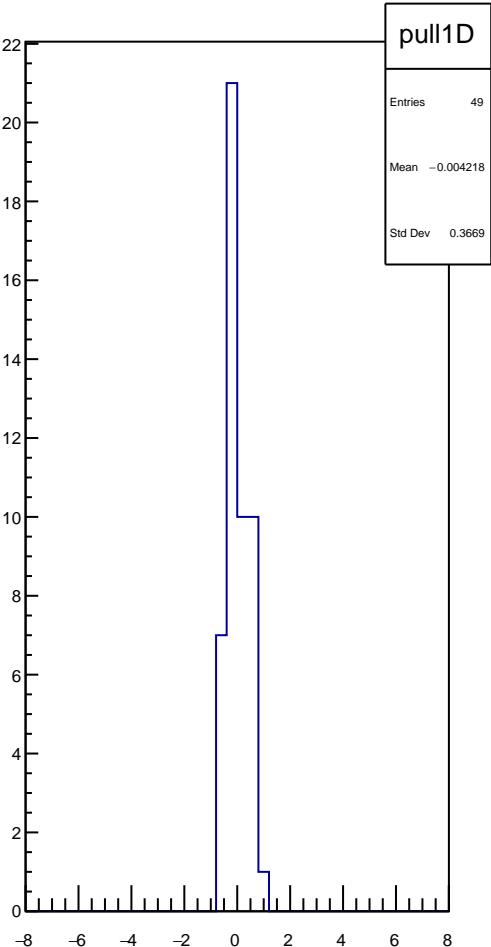
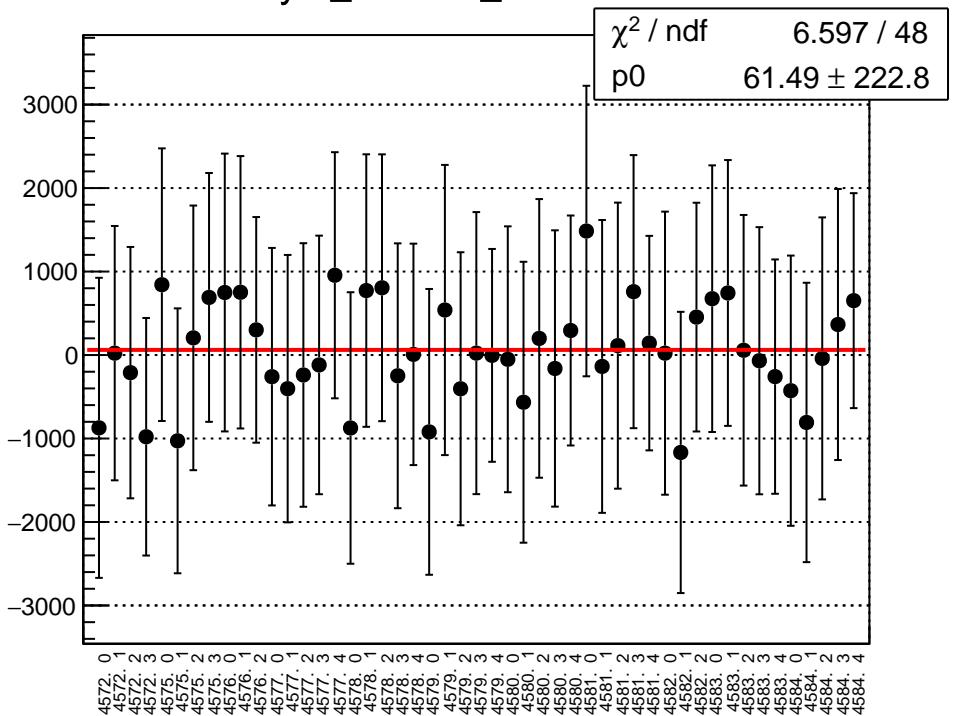
# asym\_cav4bQ\_mean vs run



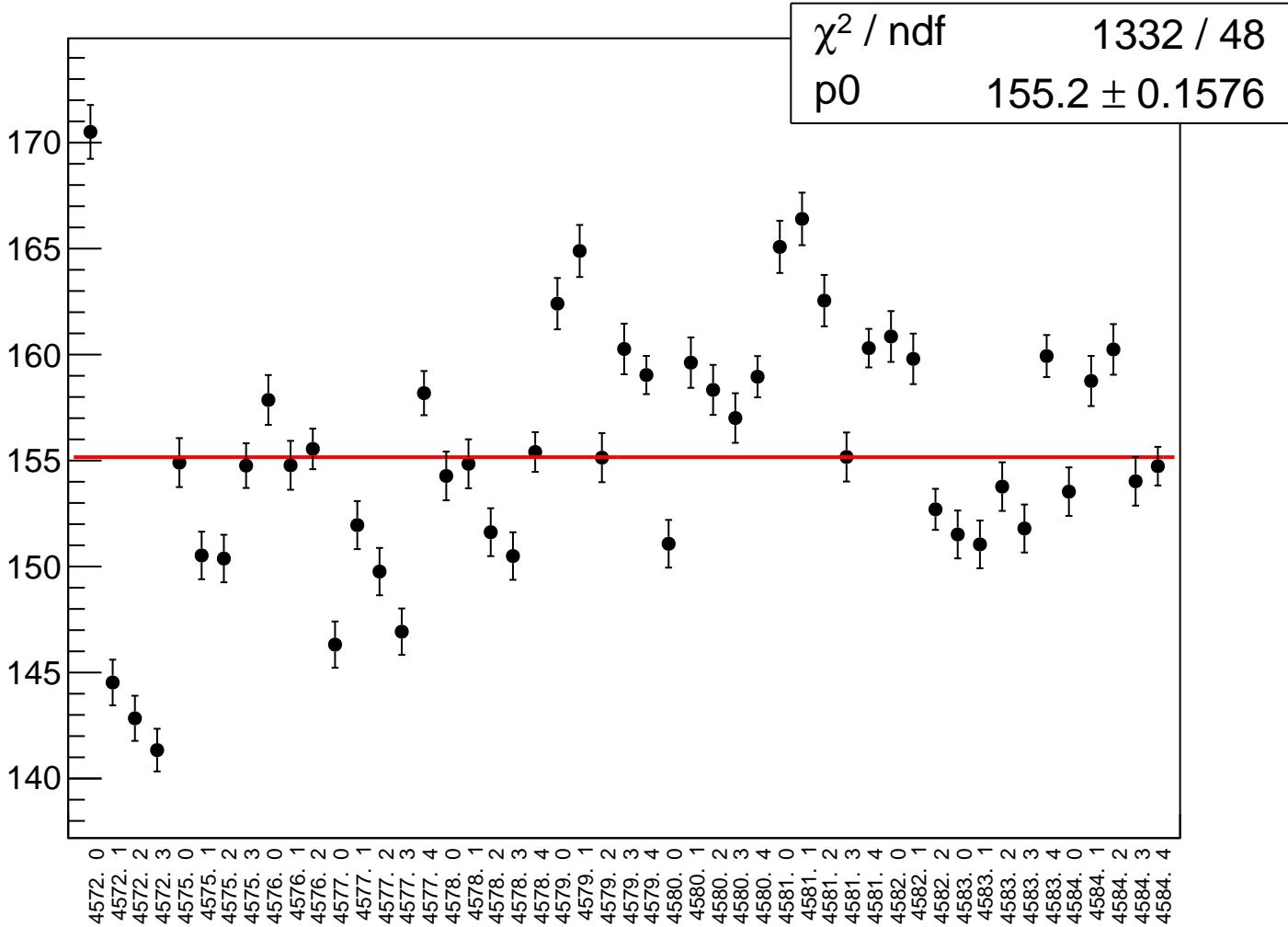
# asym\_cav4bQ\_rms vs run



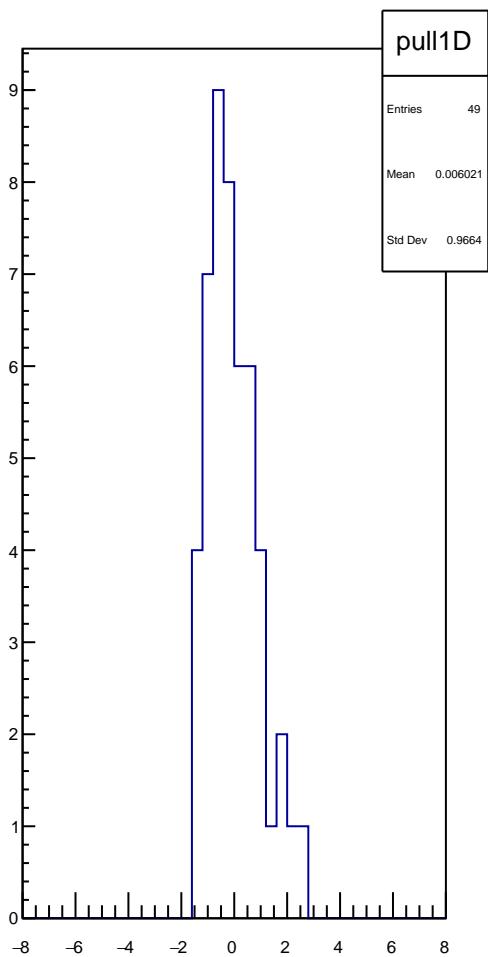
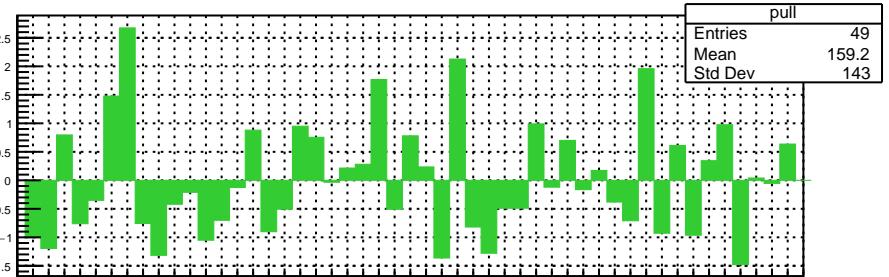
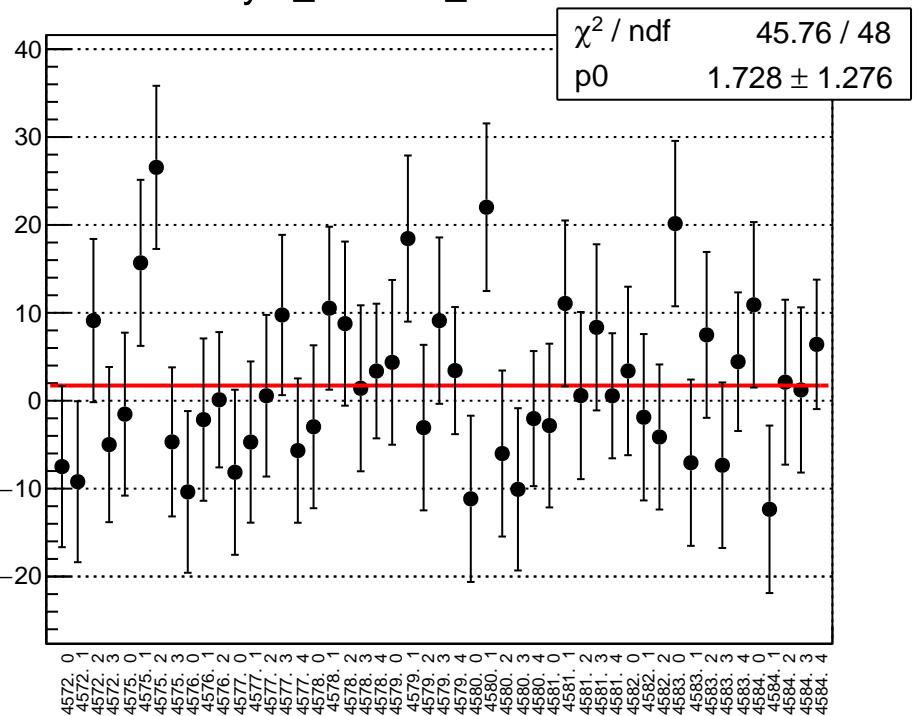
# asym\_cav4cQ\_mean vs run



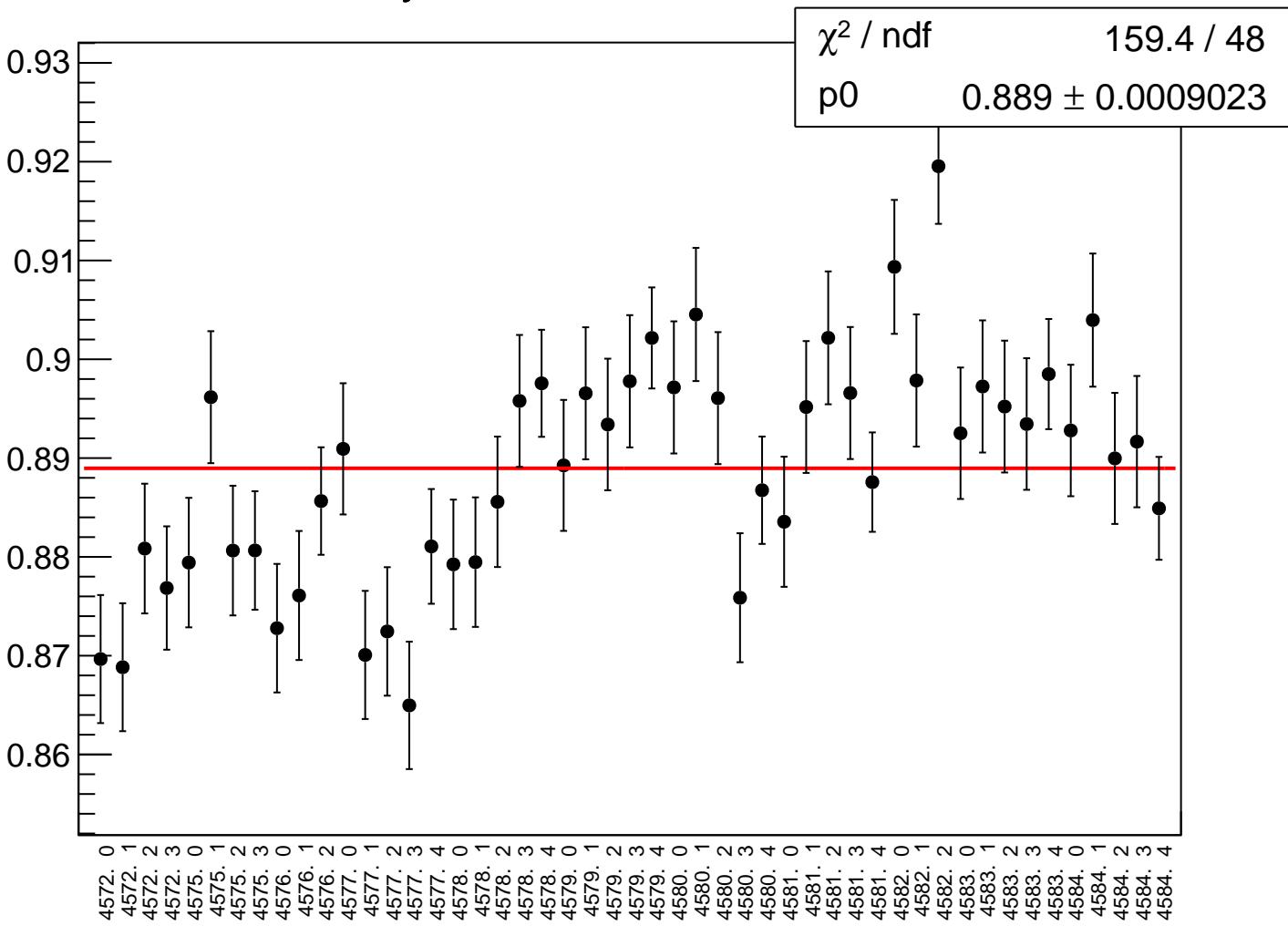
# asym\_cav4cQ\_rms vs run



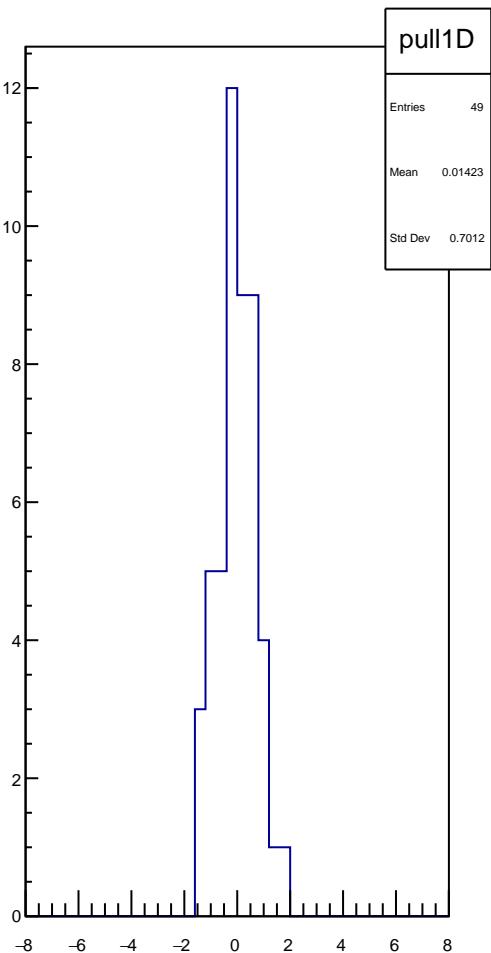
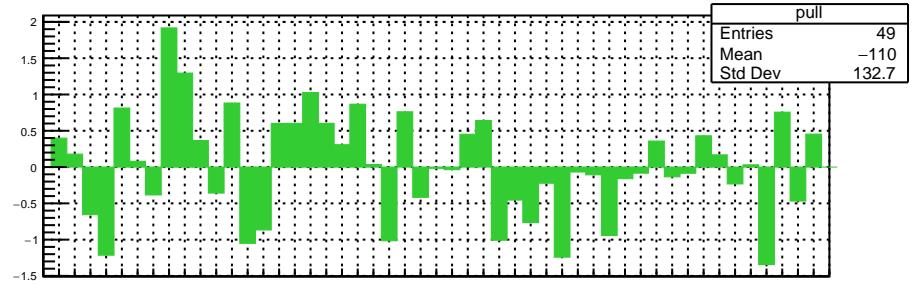
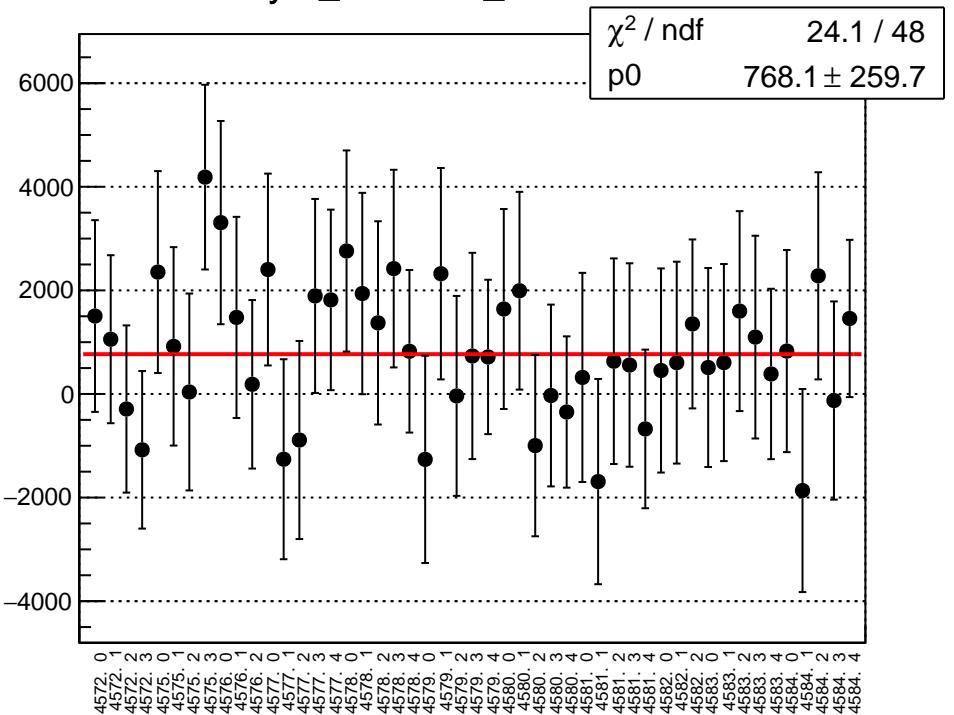
# asym\_cav4dQ\_mean vs run



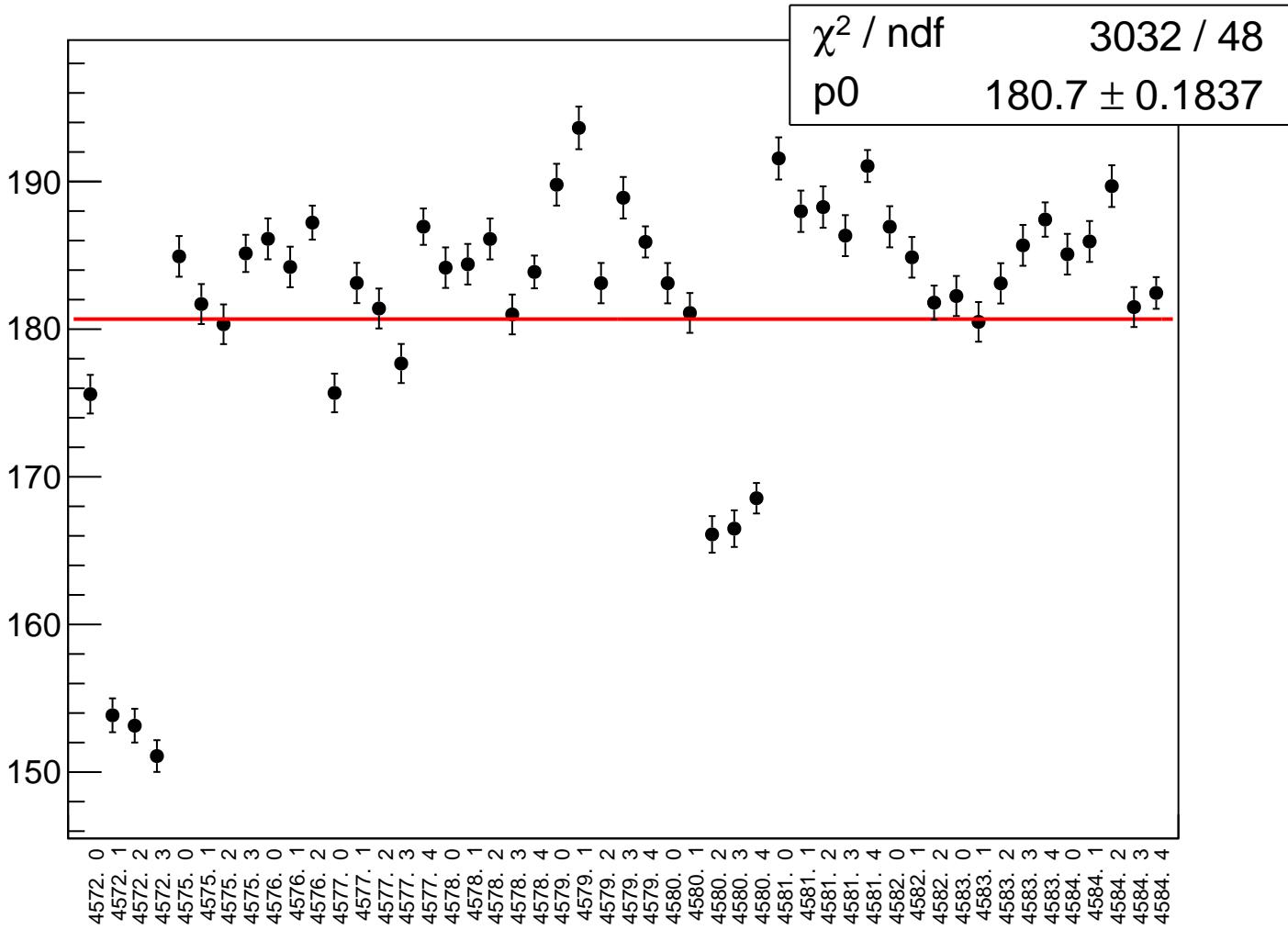
# asym\_cav4dQ\_rms vs run



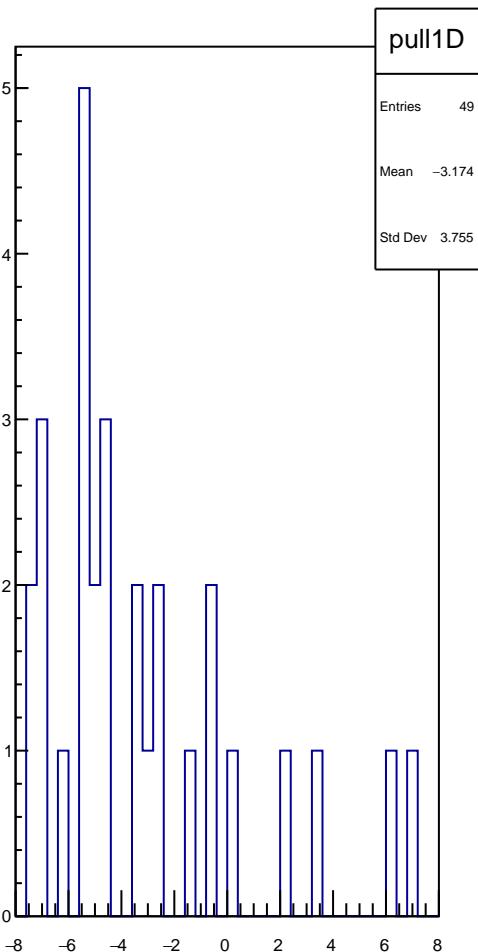
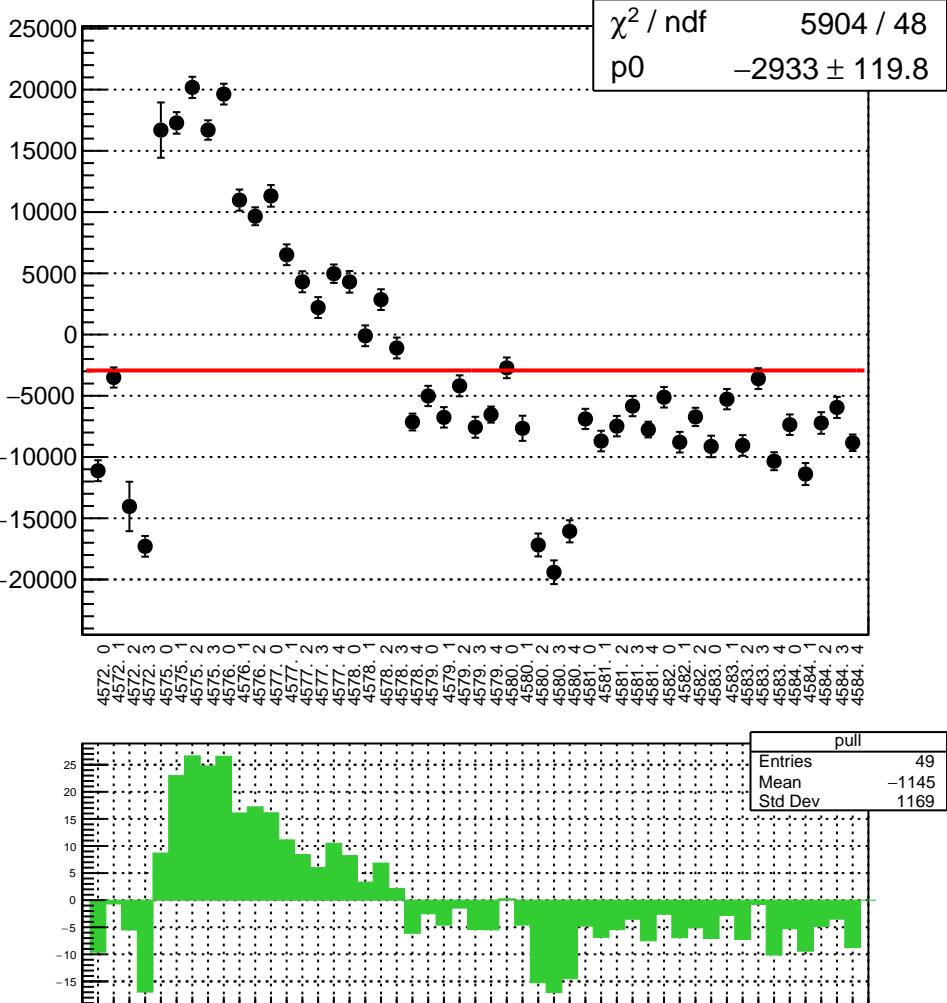
# asym\_bcm0l02\_mean vs run



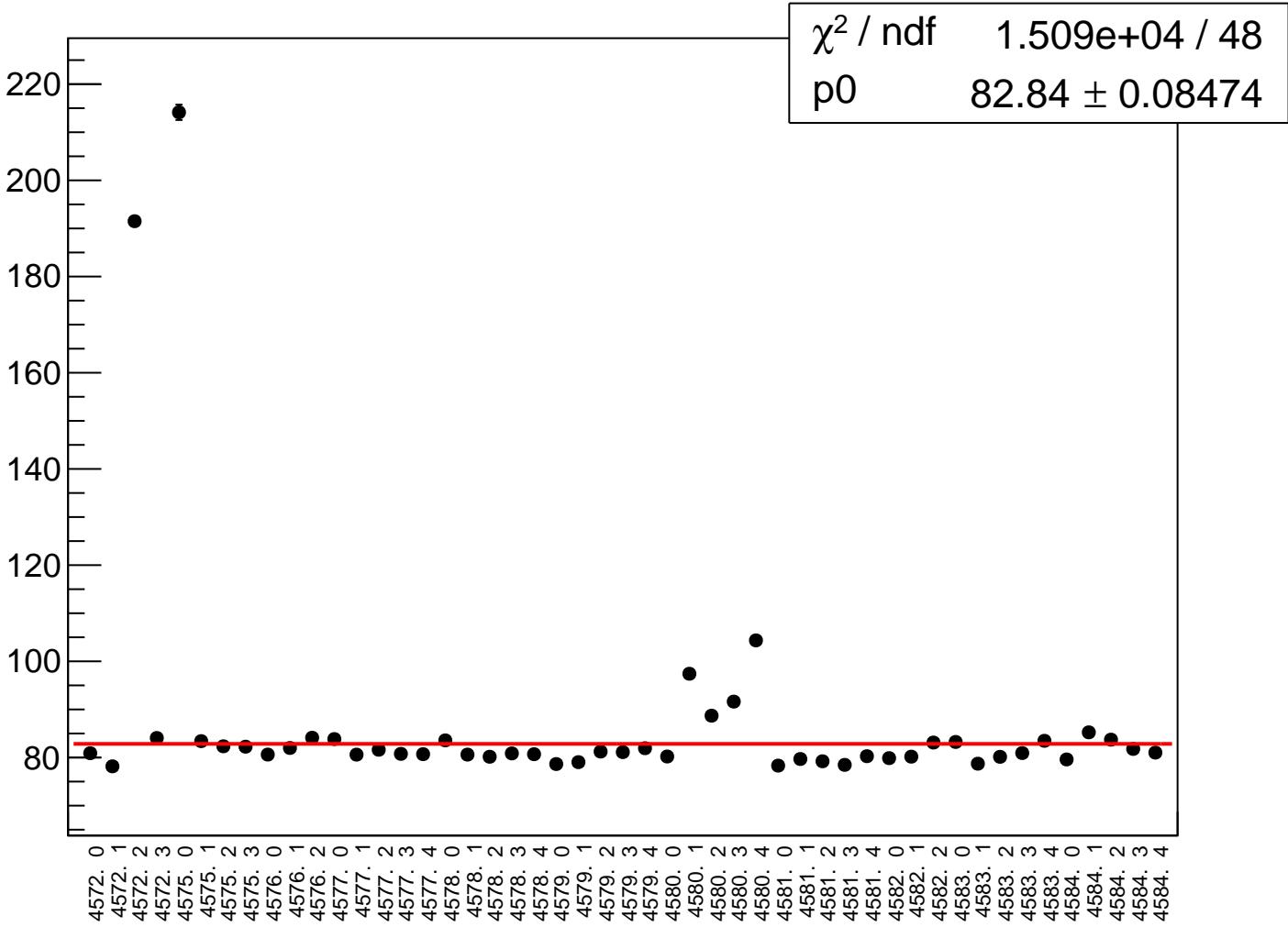
# asym\_bcm0l02\_rms vs run



# asym\_bpm2i01WS\_mean vs run

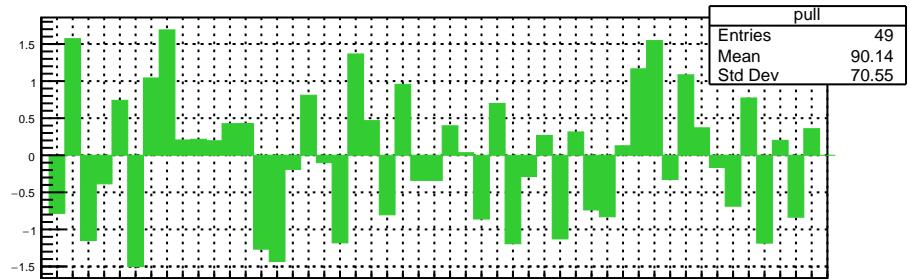
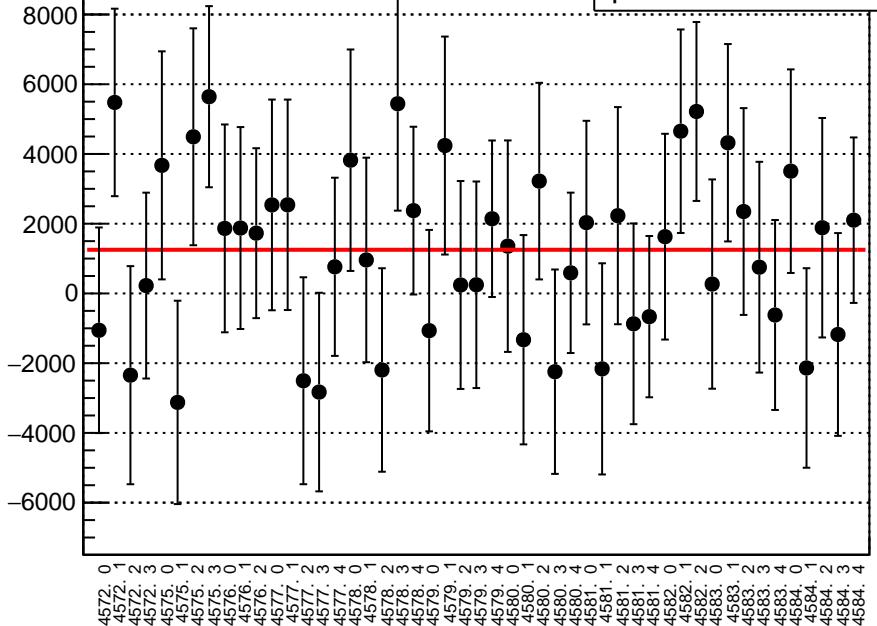


# asym\_bpm2i01WS\_rms vs run



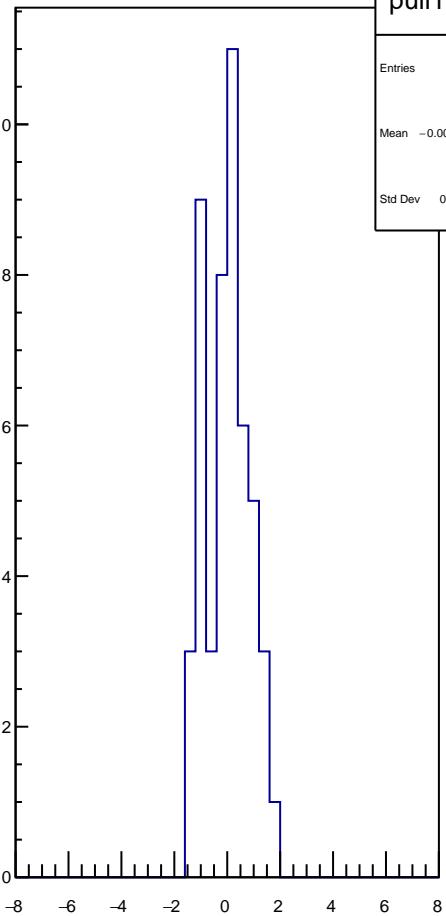


$\chi^2 / \text{ndf}$  35.53 / 48  
 p0  $1252 \pm 403.9$

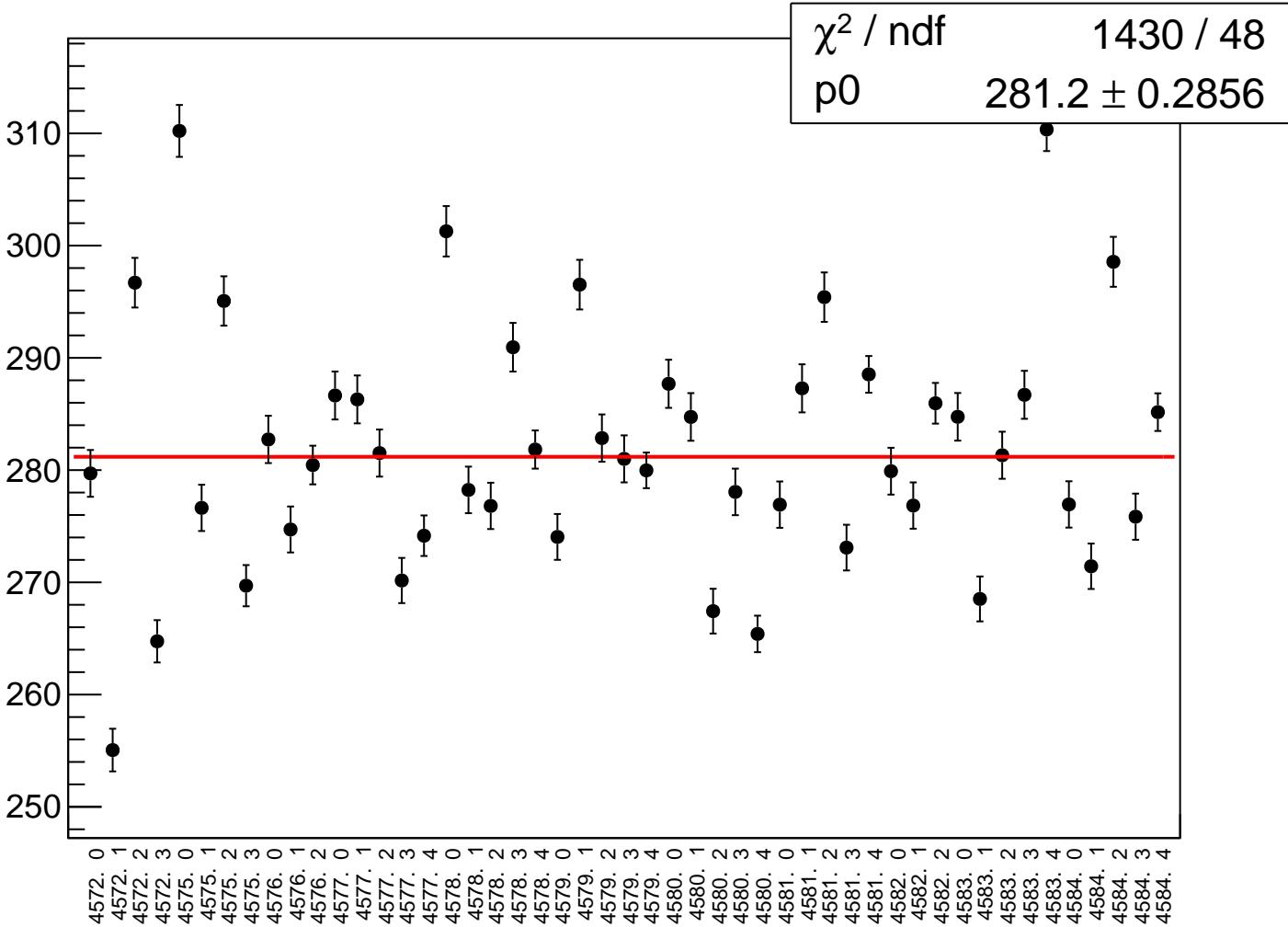


A histogram showing the distribution of `pullID`. The x-axis ranges from -10 to 10 with major ticks every 1 unit. The y-axis ranges from 0 to 15 with major ticks every 5 units. A single blue bar is located at `pullID = -0.005`, reaching a height of approximately 14. The plot has a light gray background.

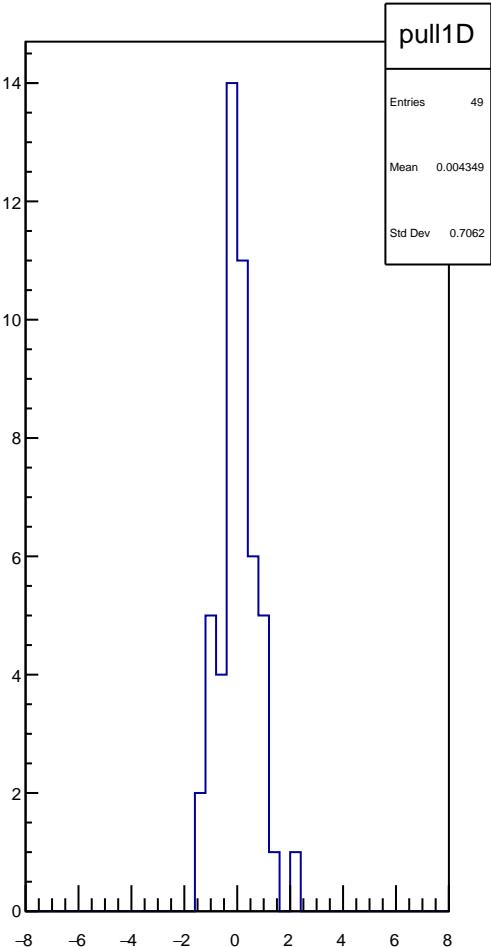
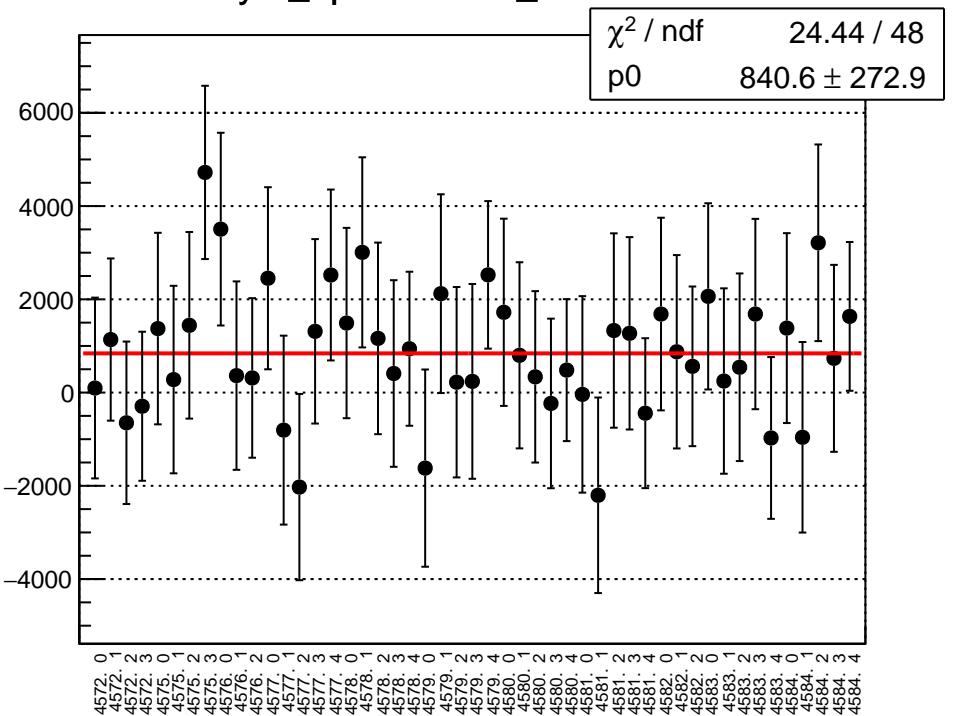
Statistic	Value
Entries	49
Mean	-0.005186
Std Dev	0.8515



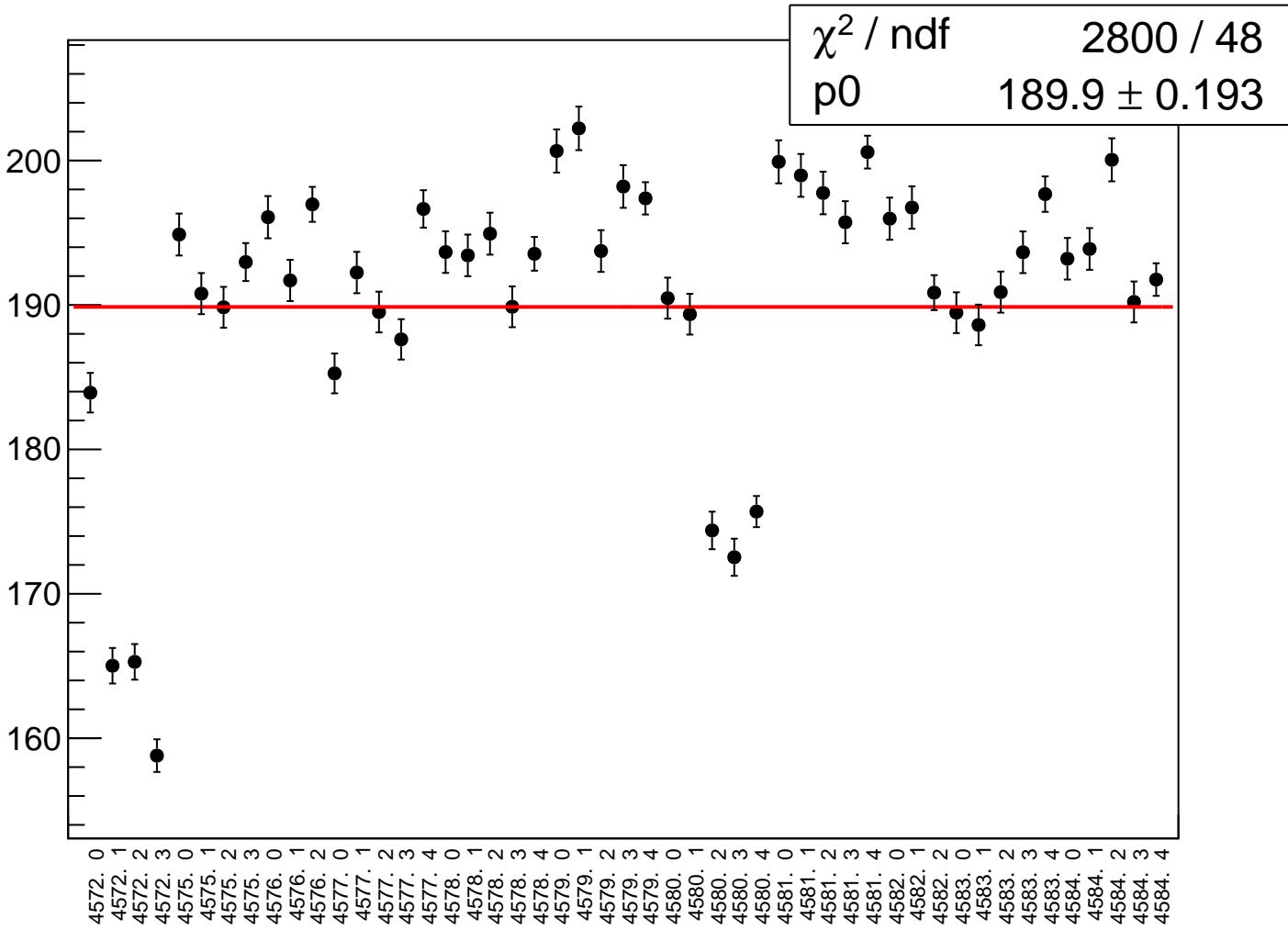
# asym\_bpm0i07WS\_rms vs run



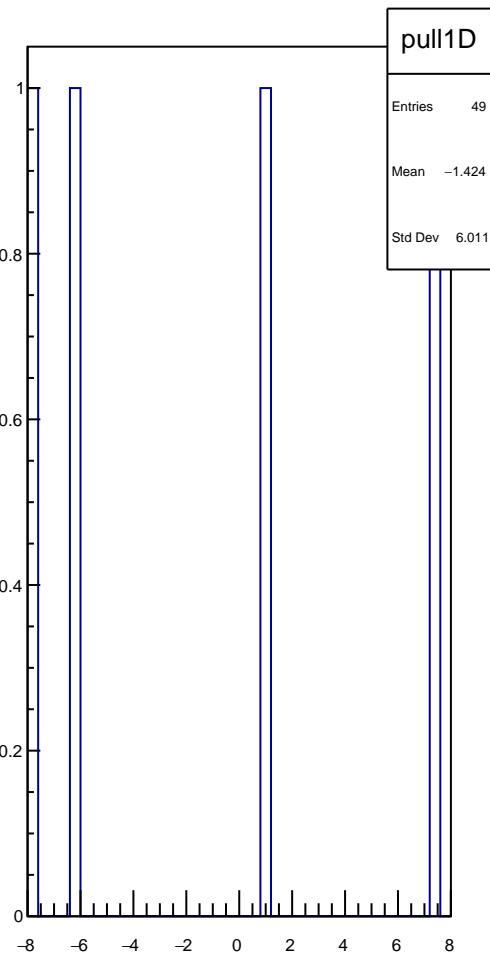
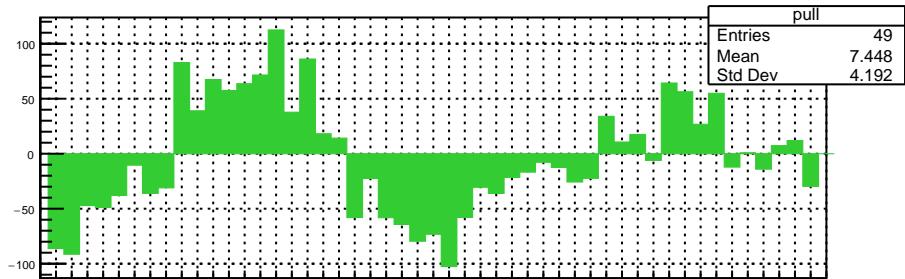
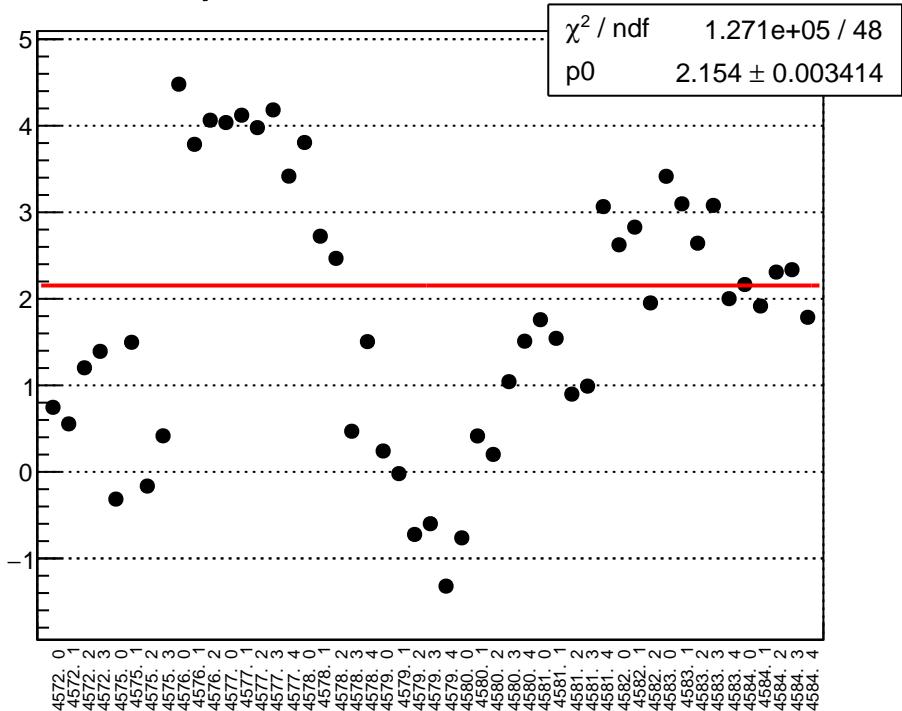
# asym\_bpm0l01WS\_mean vs run



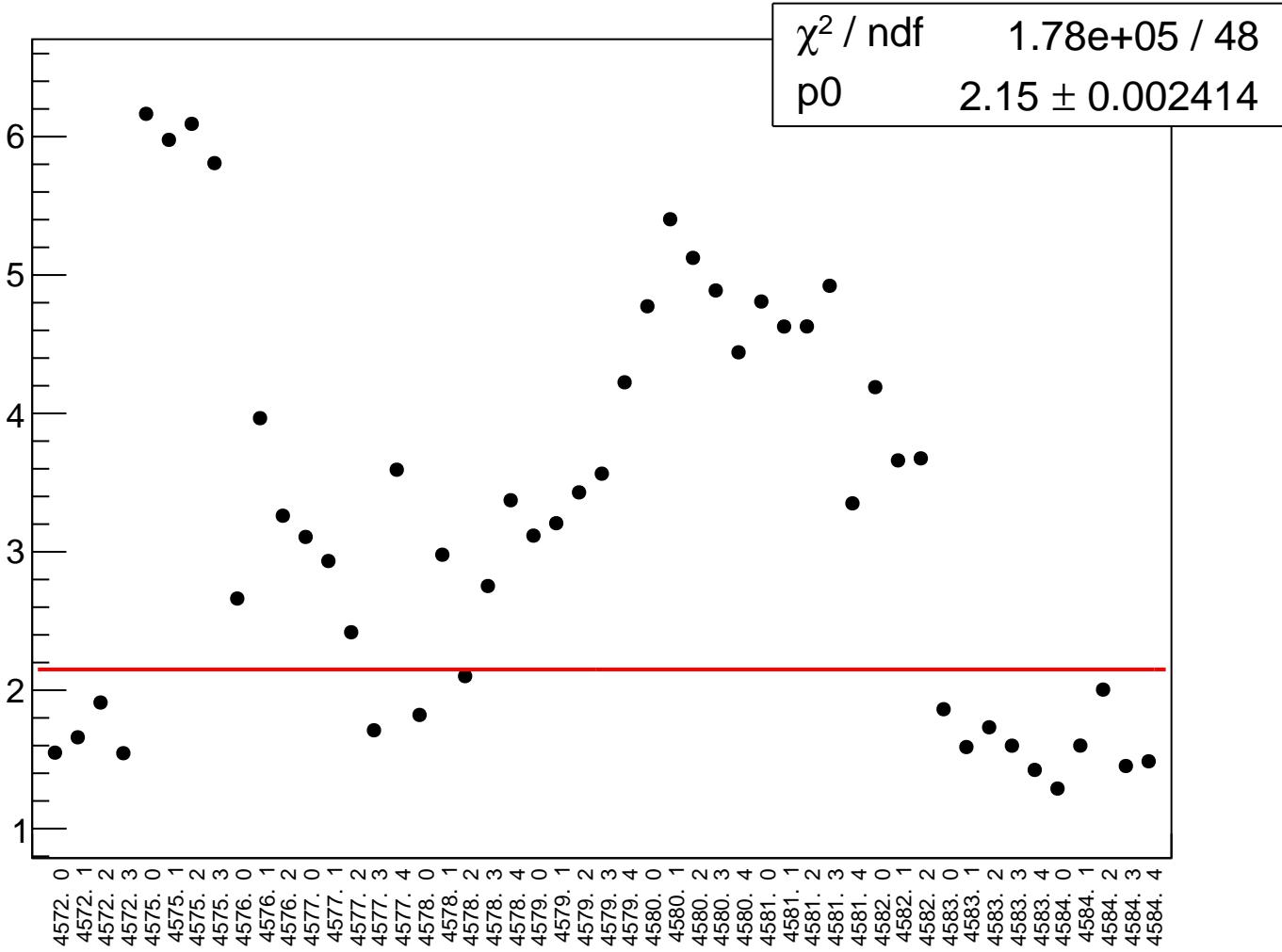
# asym\_bpm0l01WS\_rms vs run



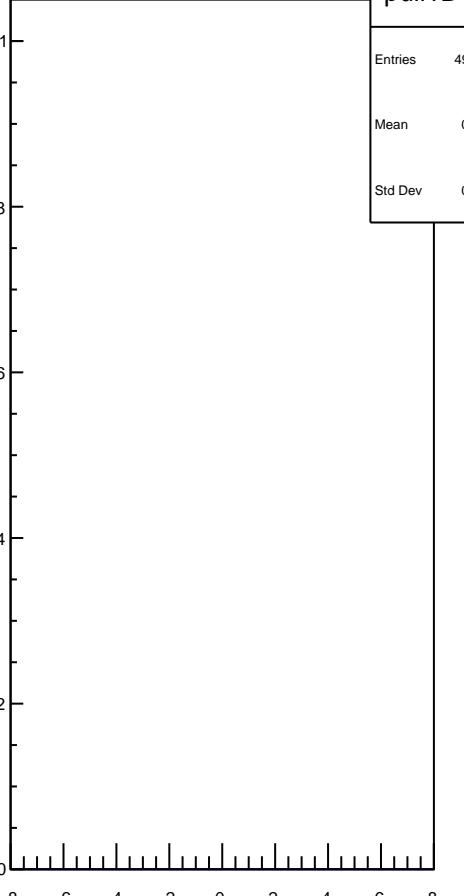
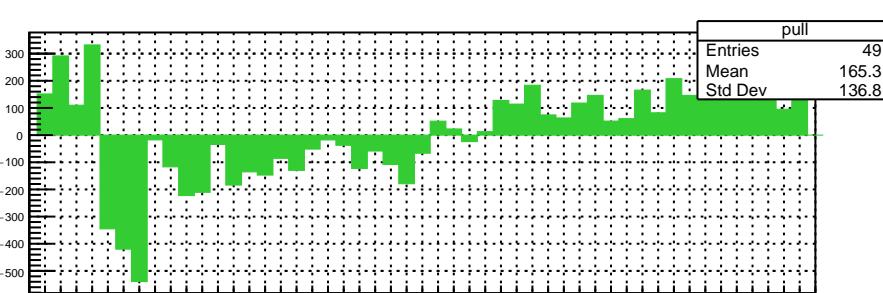
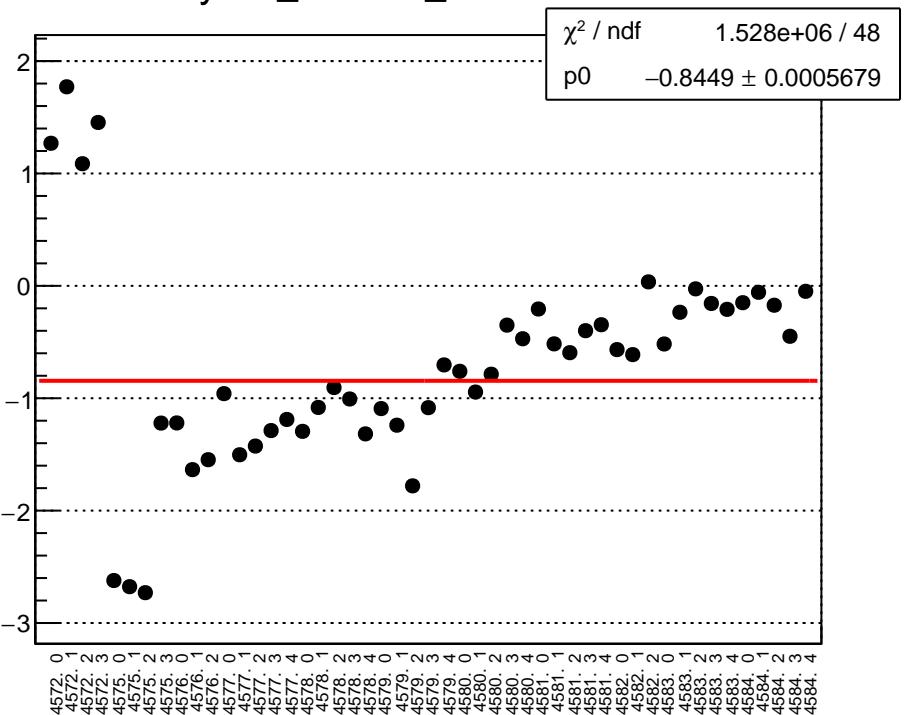
# yield\_cav4bX\_mean vs run



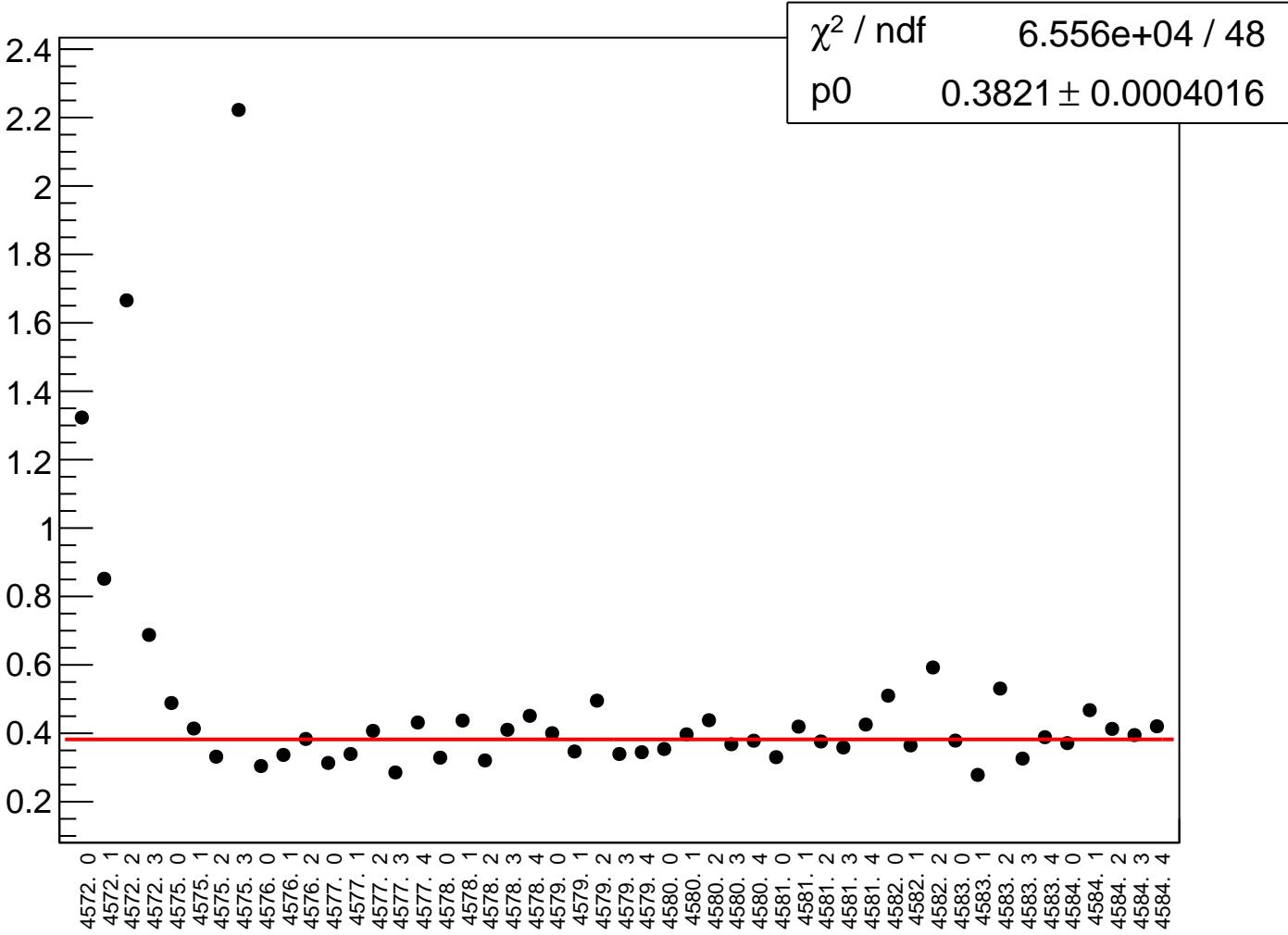
# yield\_cav4bX\_rms vs run



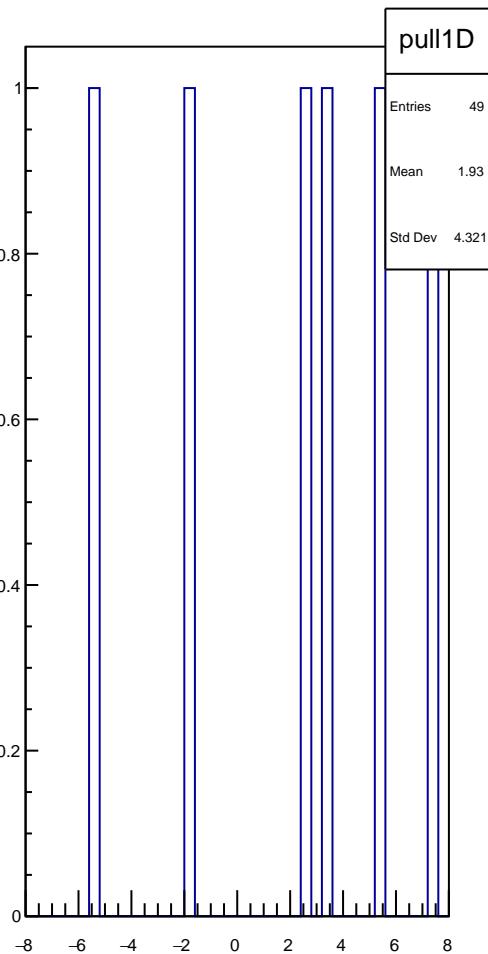
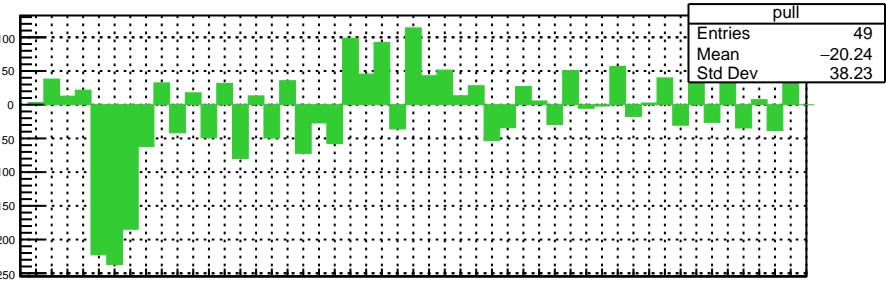
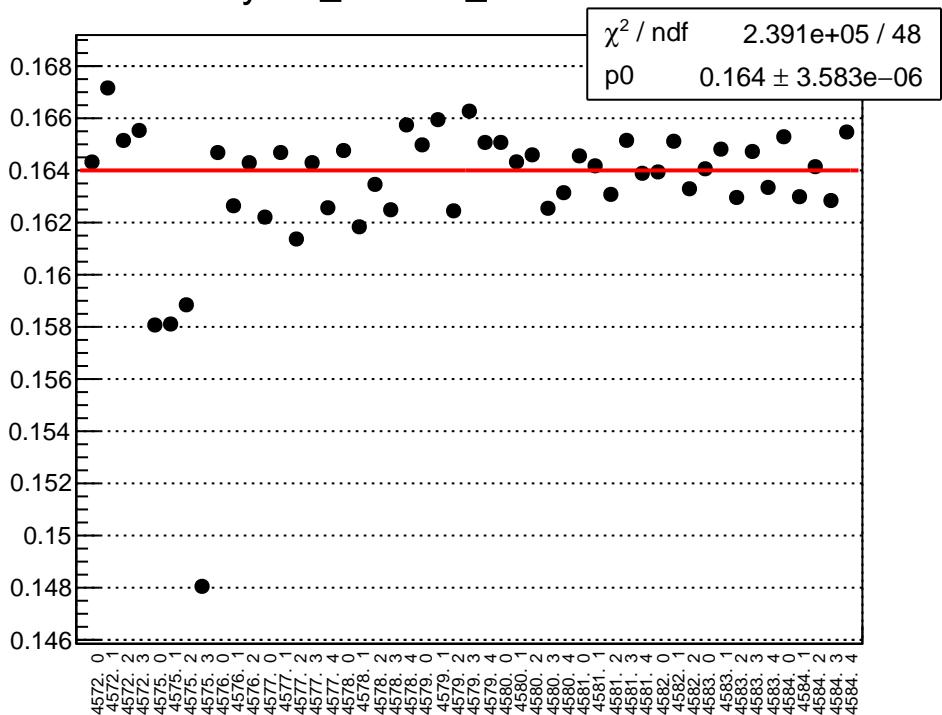
# yield\_cav4bY\_mean vs run



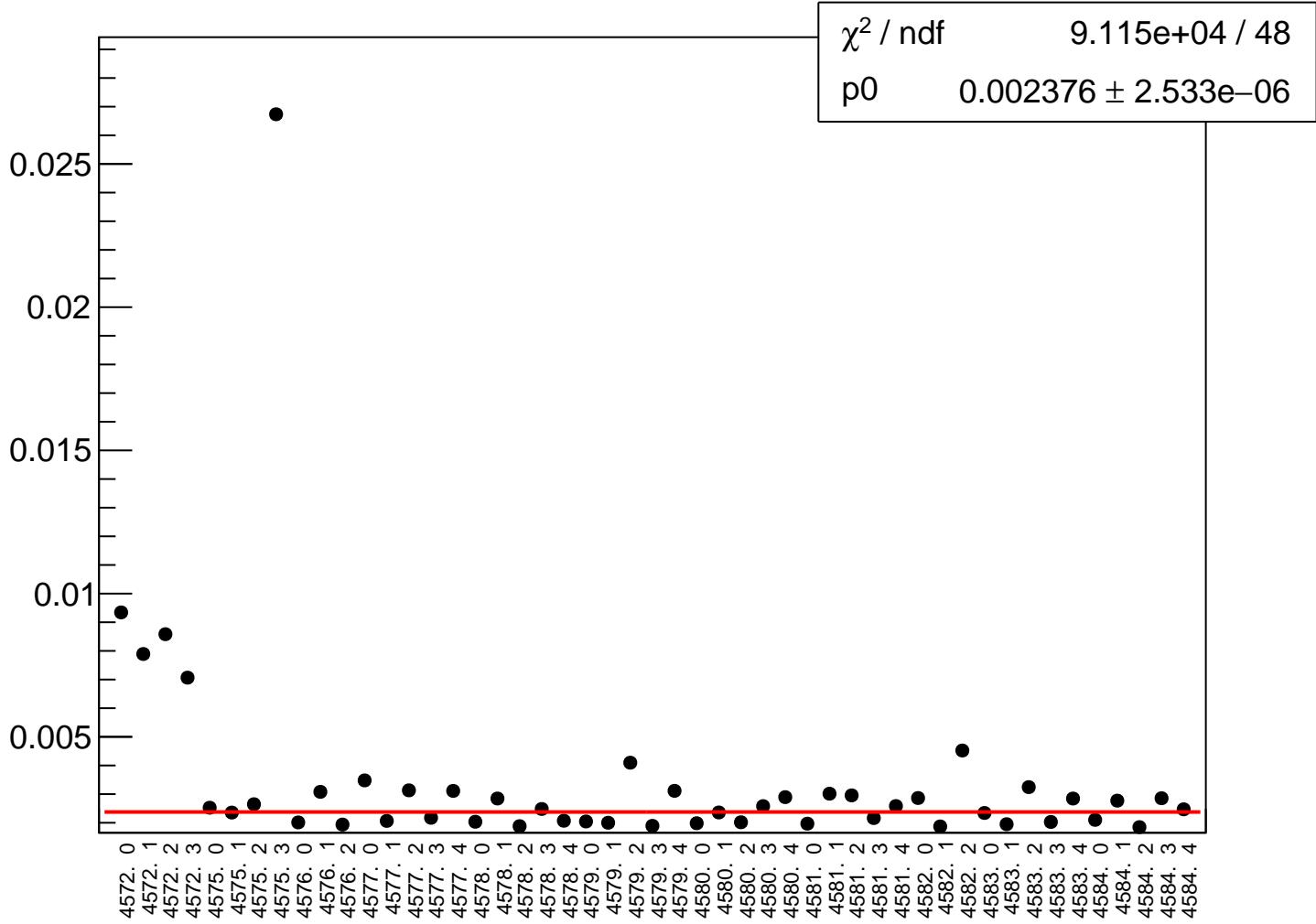
# yield\_cav4bY\_rms vs run



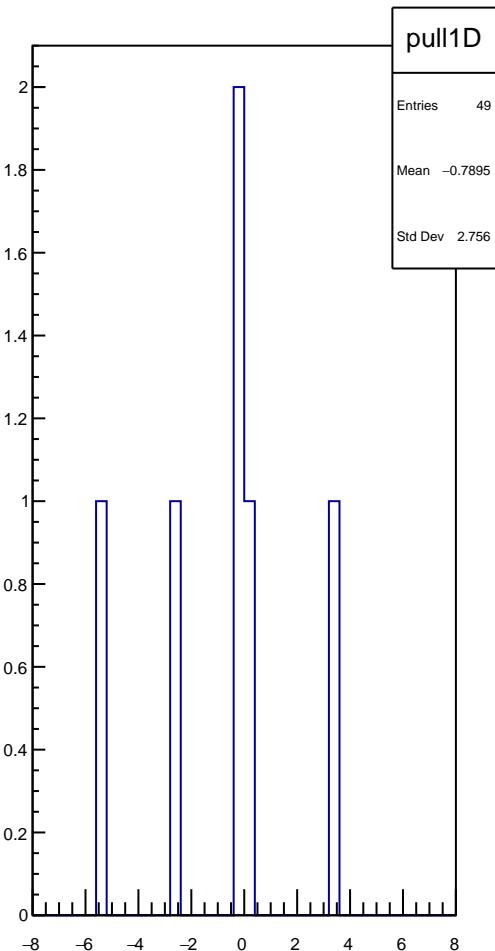
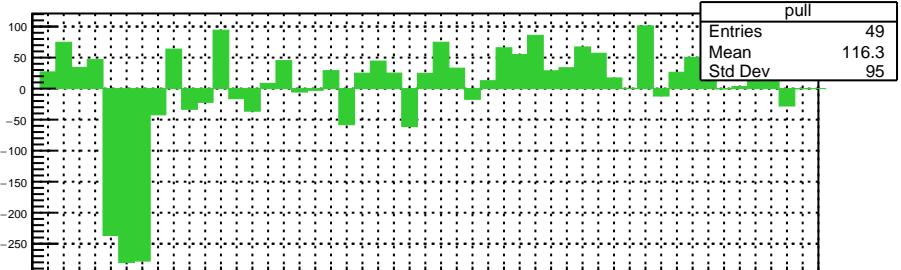
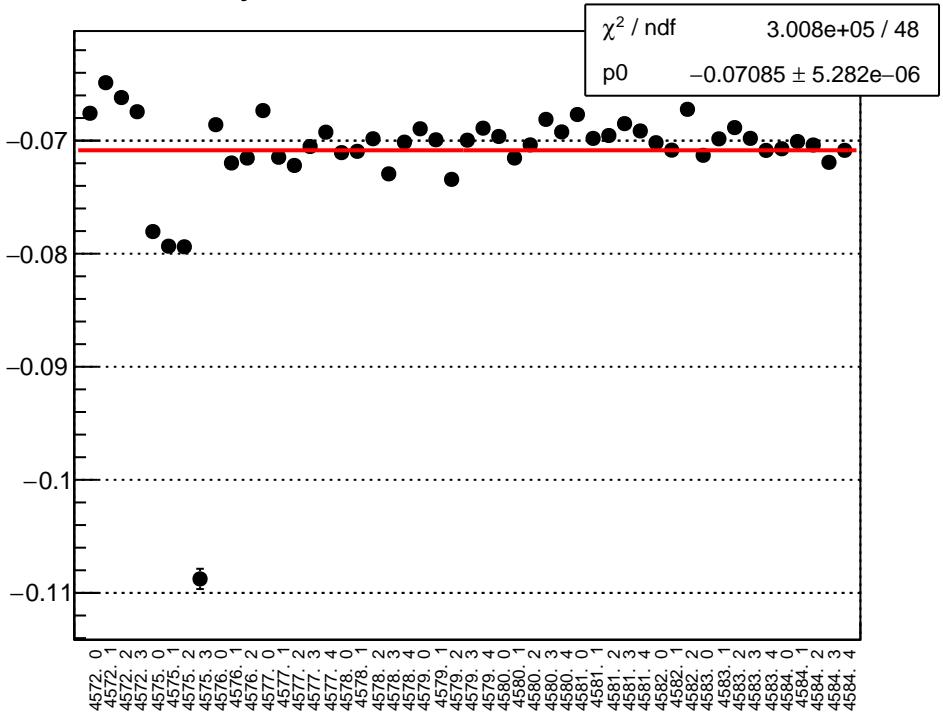
# yield\_cav4cX\_mean vs run



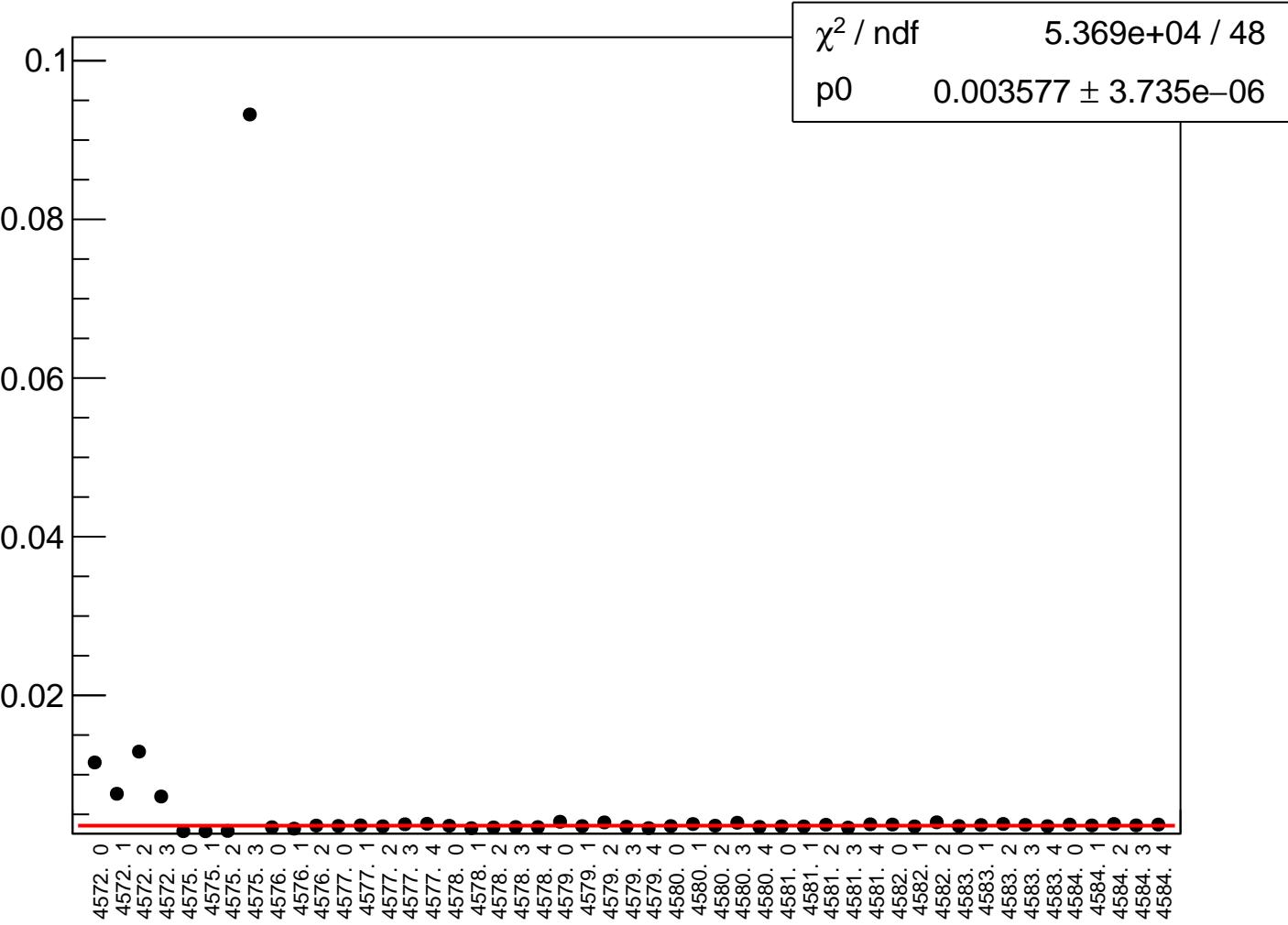
# yield\_cav4cX\_rms vs run

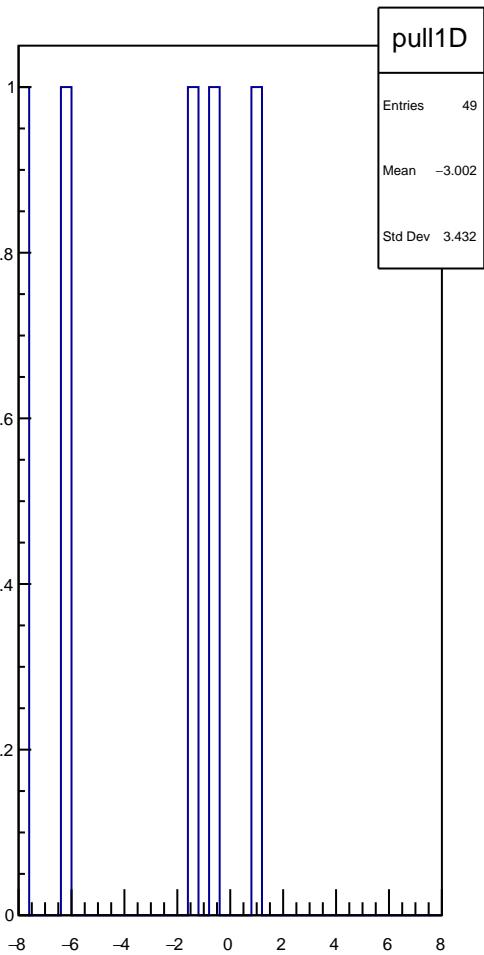
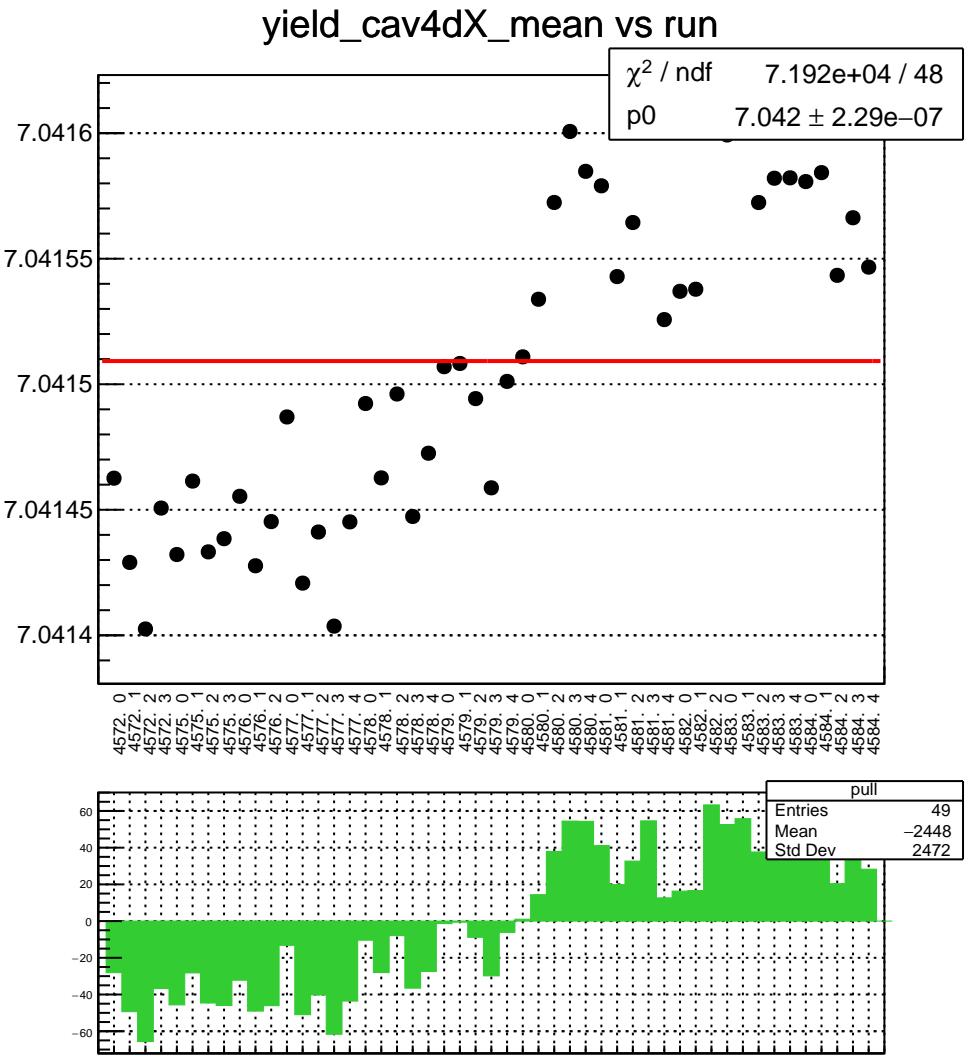


# yield\_cav4cY\_mean vs run

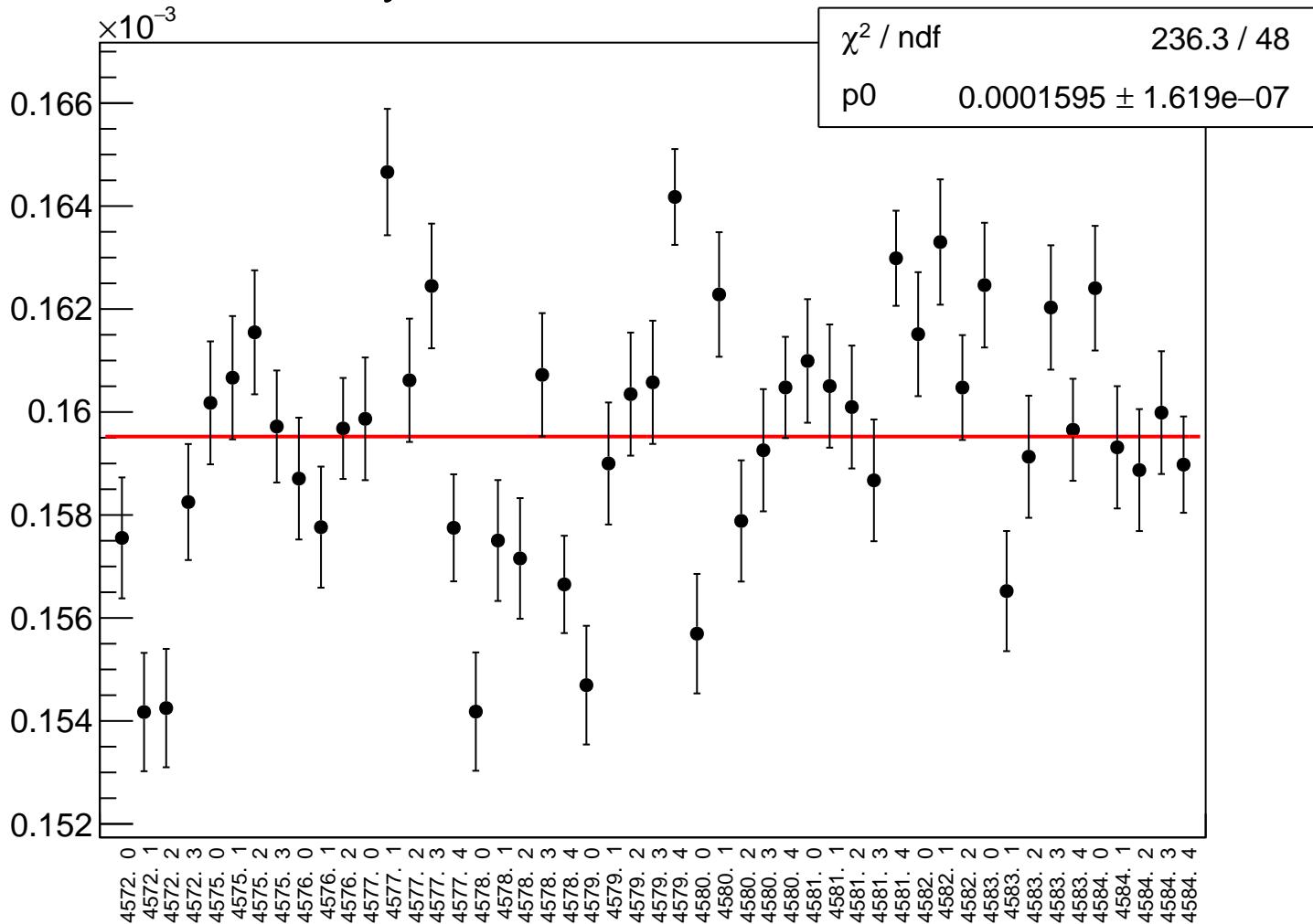


# yield\_cav4cY\_rms vs run

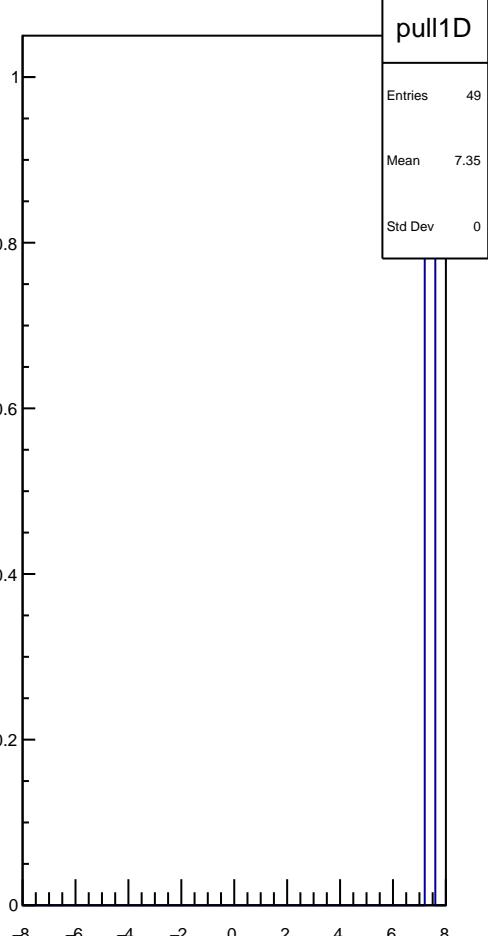
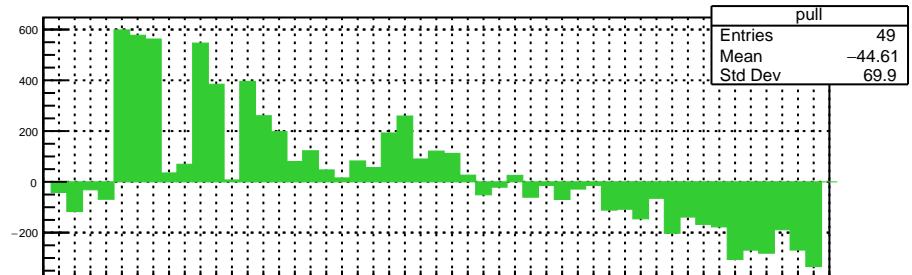
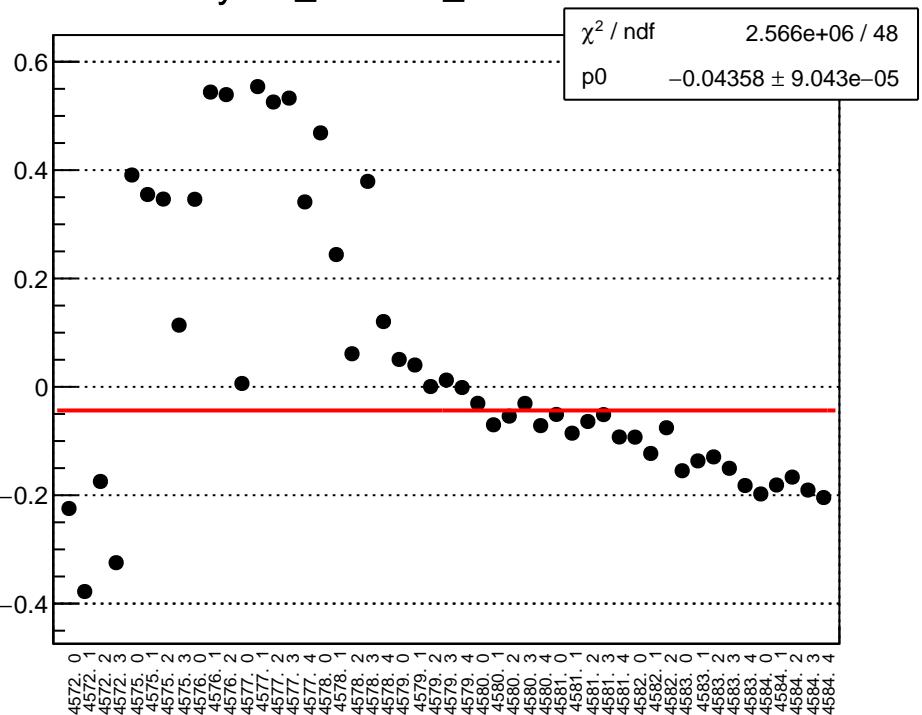




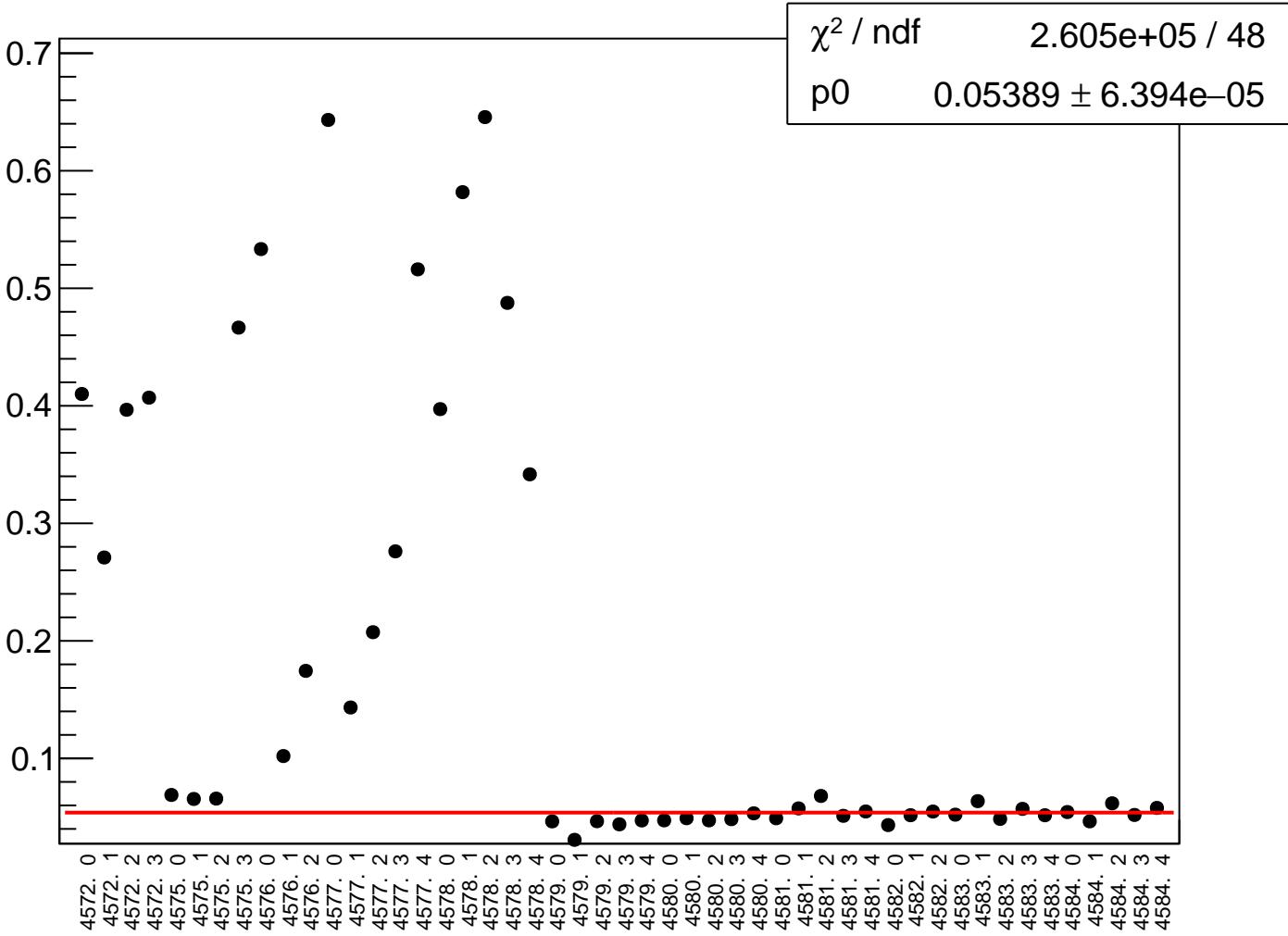
# yield\_cav4dX\_rms vs run



# yield\_cav4dY\_mean vs run

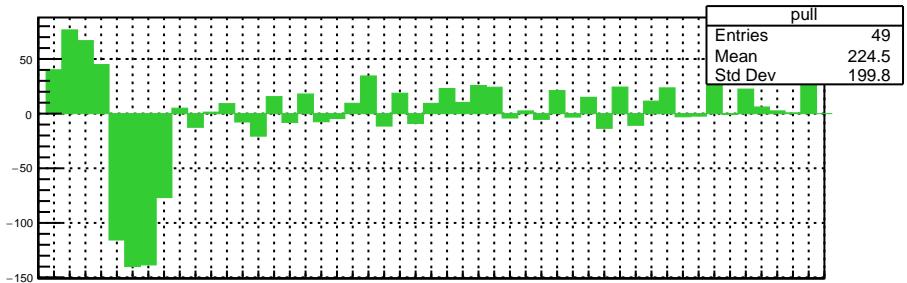
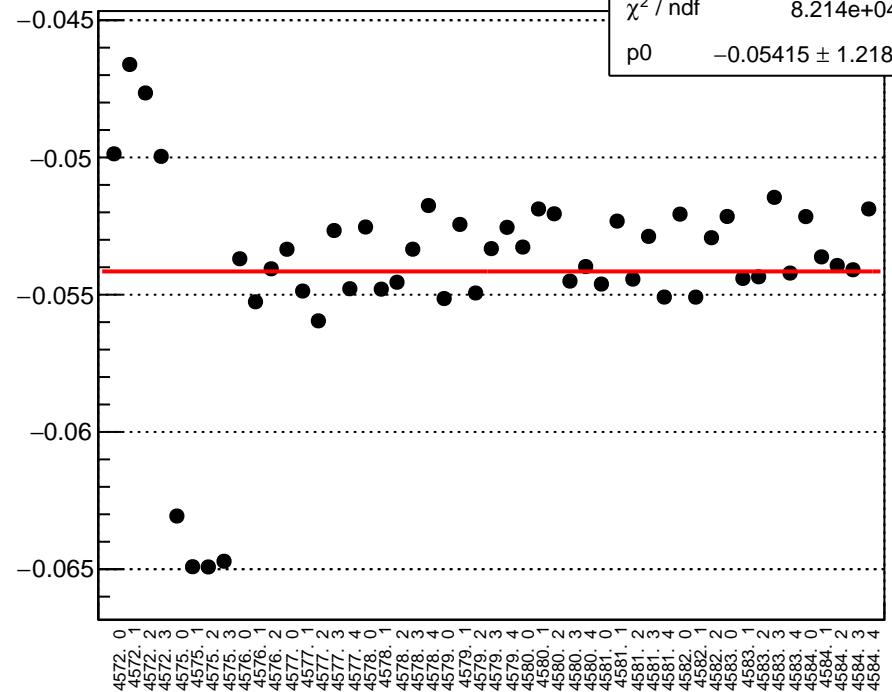


# yield\_cav4dY\_rms vs run





$\chi^2 / \text{ndf}$  8.214e+04 / 48



pull1D

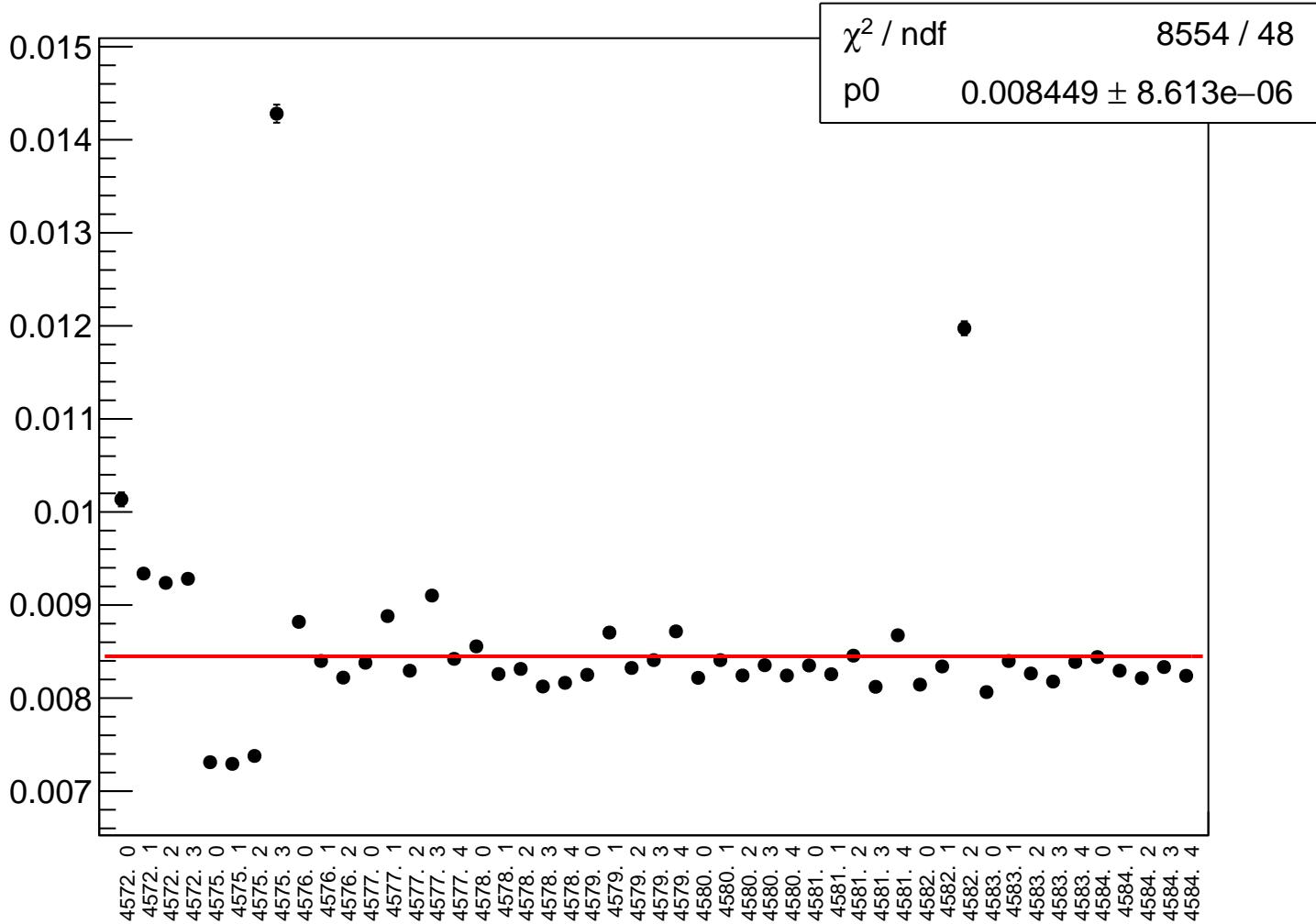
Entries 49

Mean -1.315

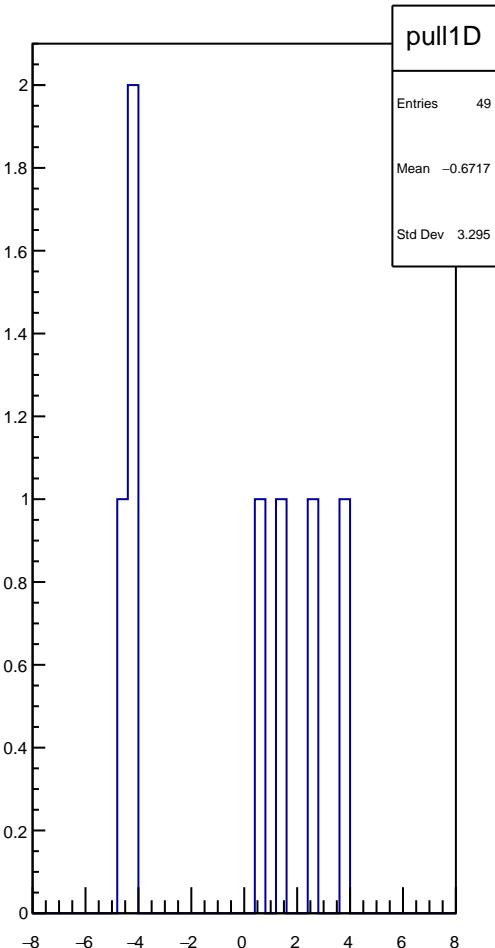
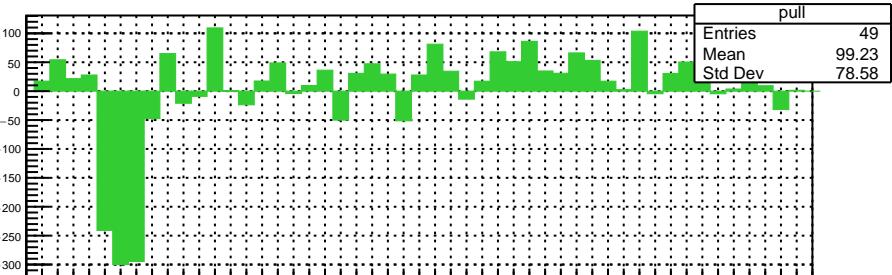
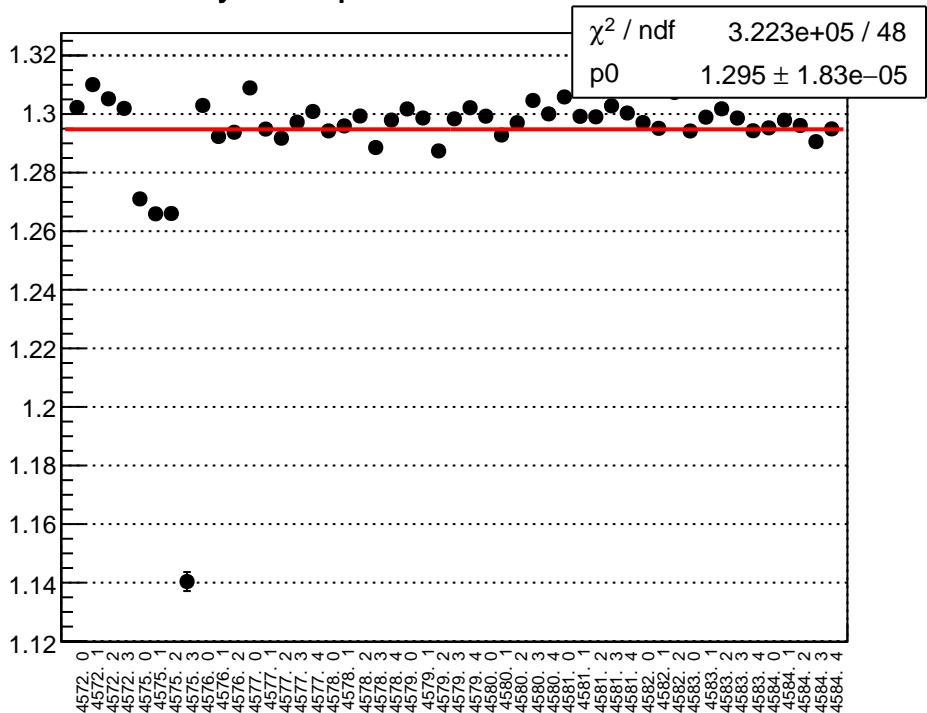
Std Dev 4.088

The figure is a histogram titled "pull1D". The y-axis ranges from 0 to 2.0 with increments of 0.2. The x-axis ranges from -8 to 8 with increments of 2. The distribution is highly peaked at approximately -1.3, with a maximum frequency of 2. There is a secondary peak at approximately 2.7, also with a maximum frequency of 2. The distribution is roughly symmetric around -1.3.

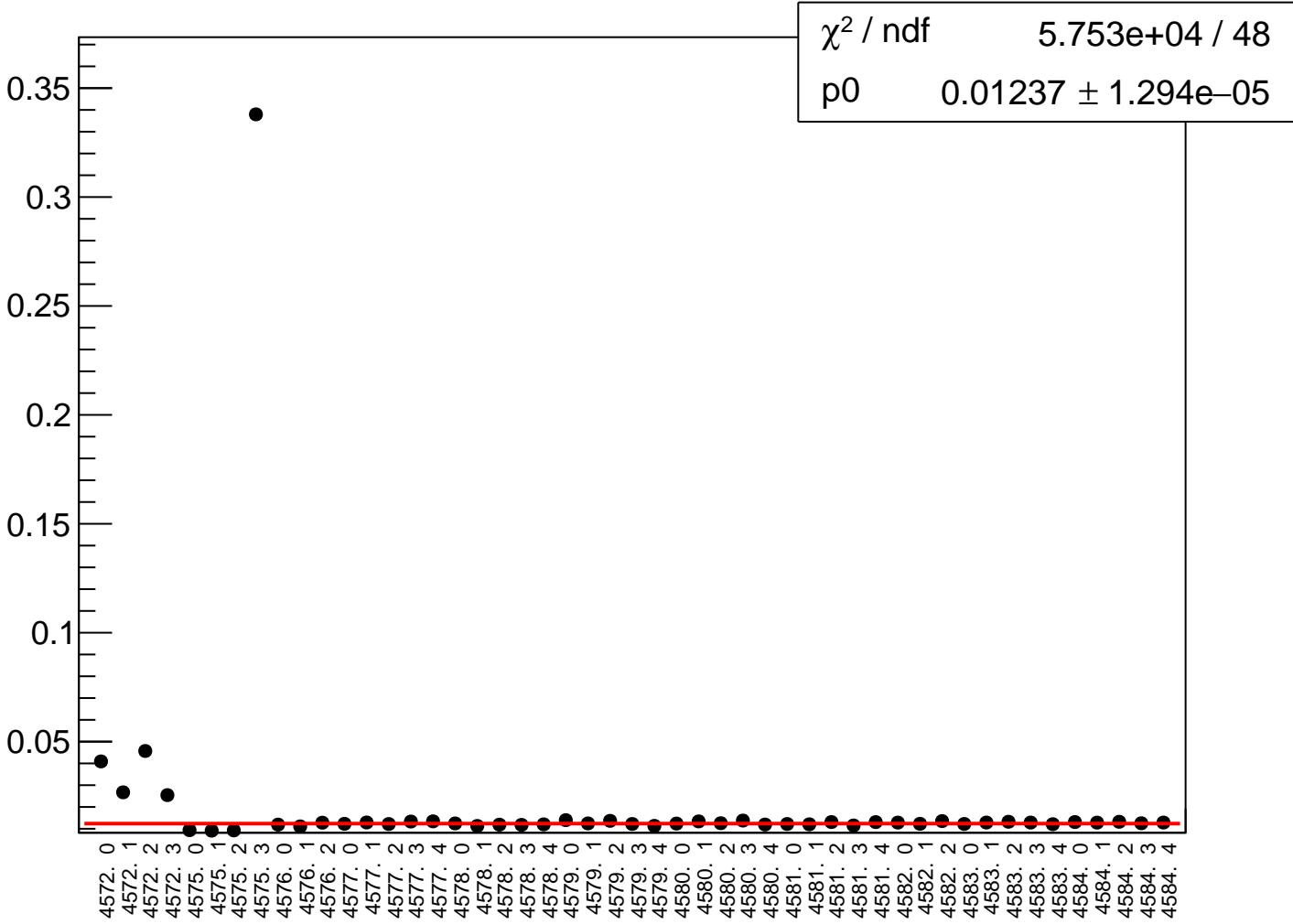
# yield\_bpm4aX\_rms vs run



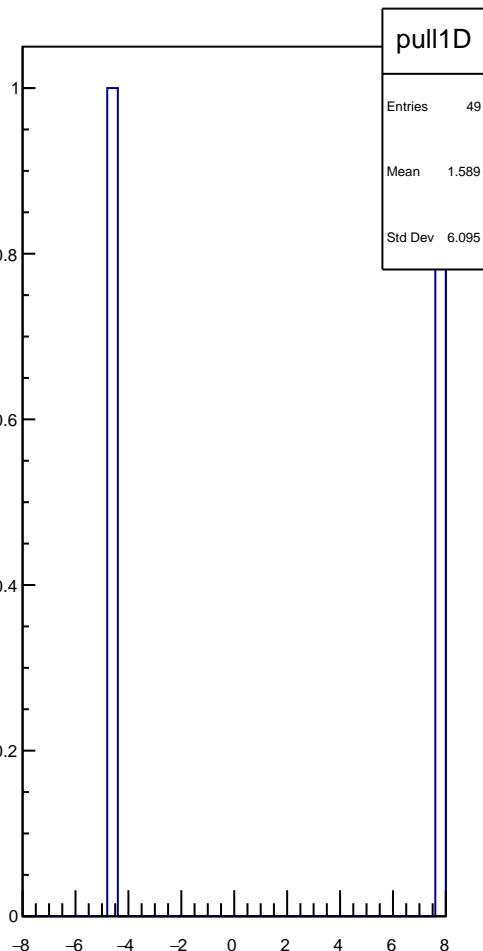
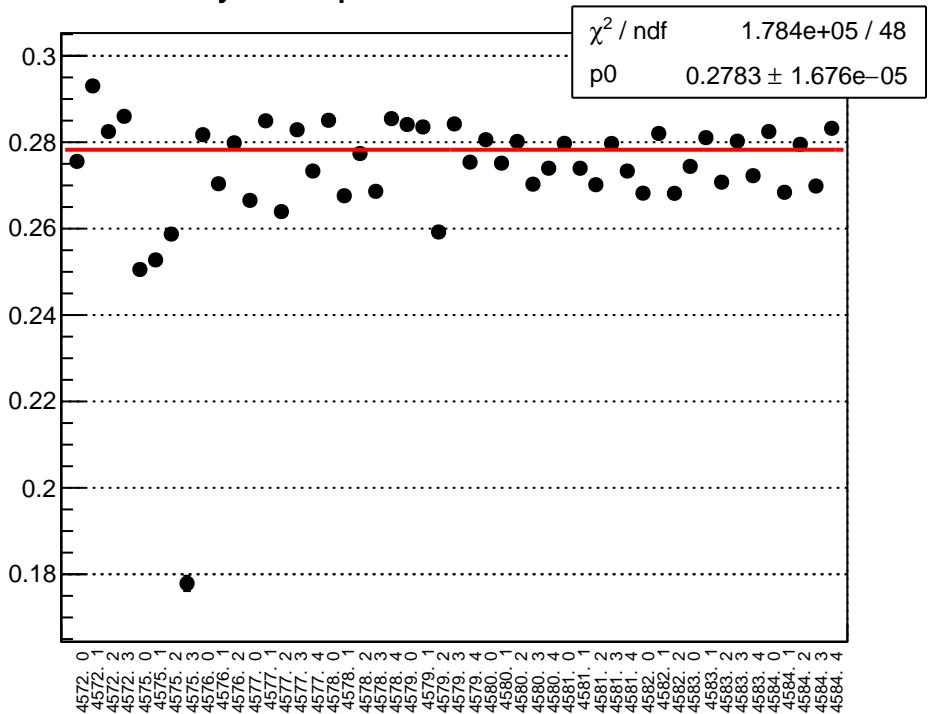
# yield\_bpm4aY\_mean vs run



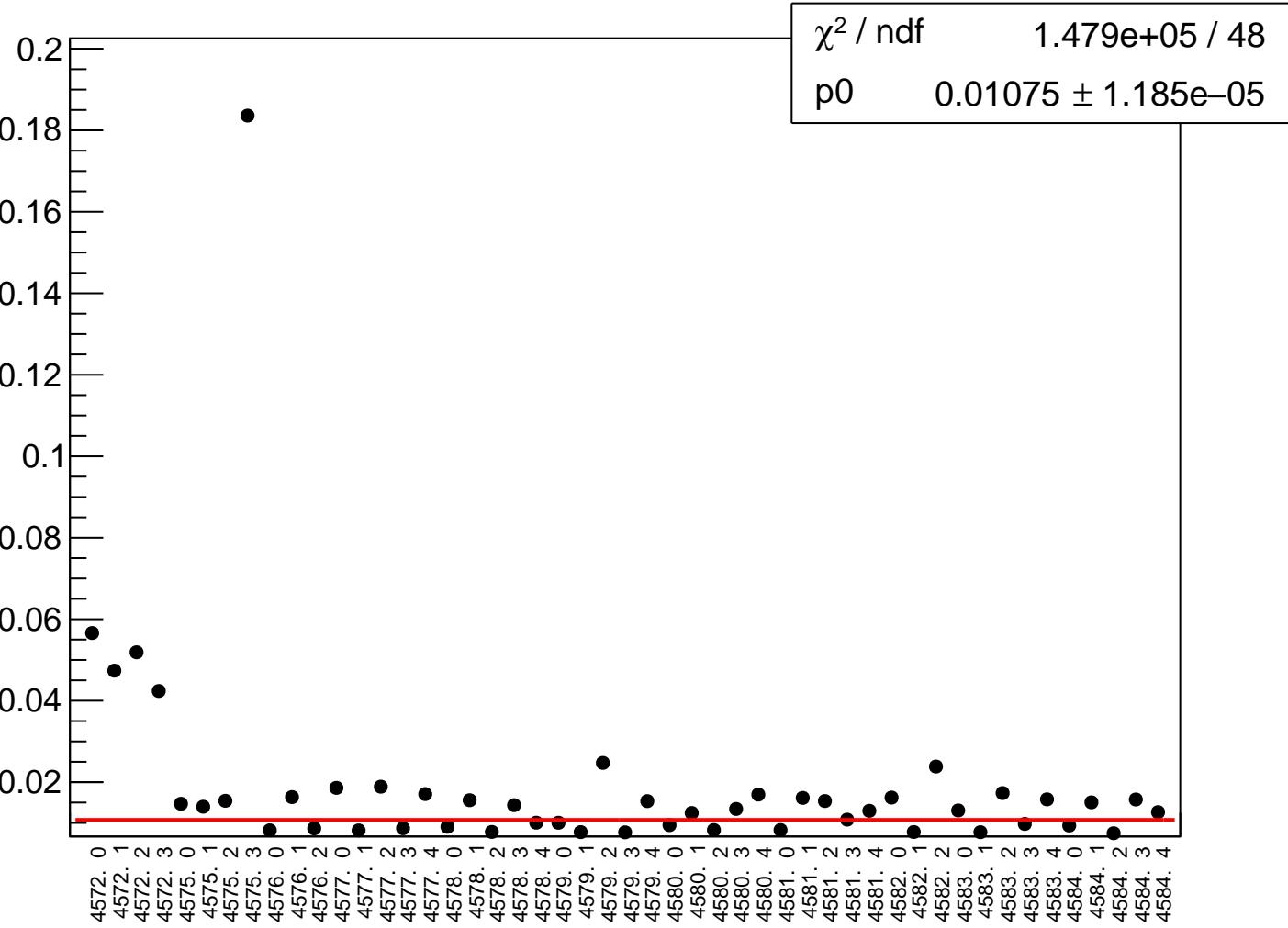
# yield\_bpm4aY\_rms vs run



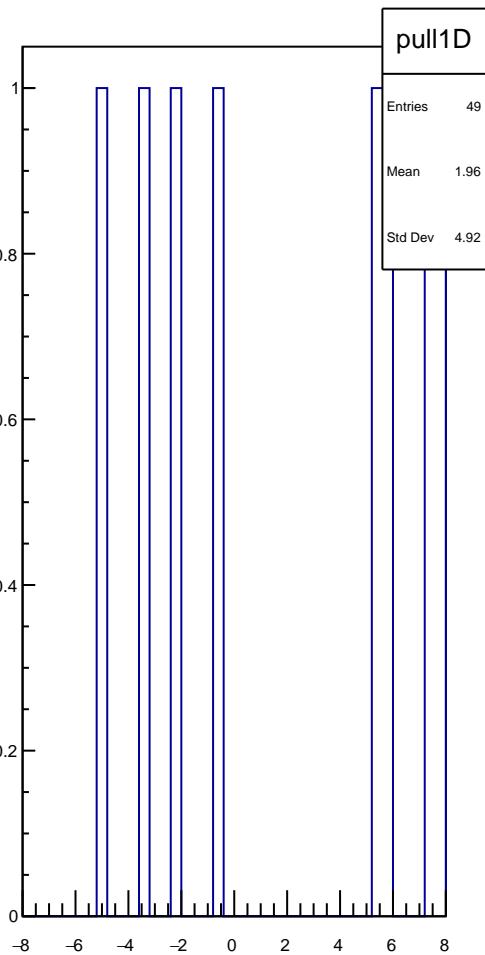
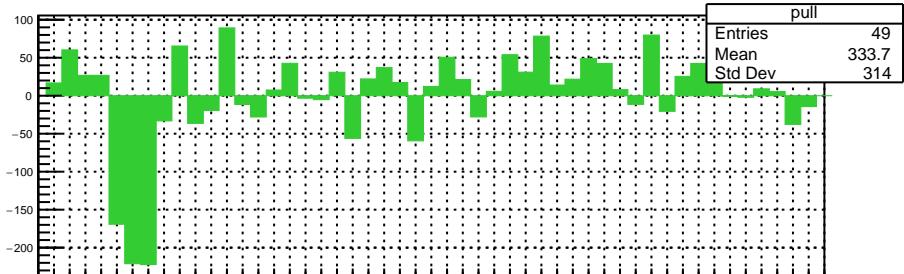
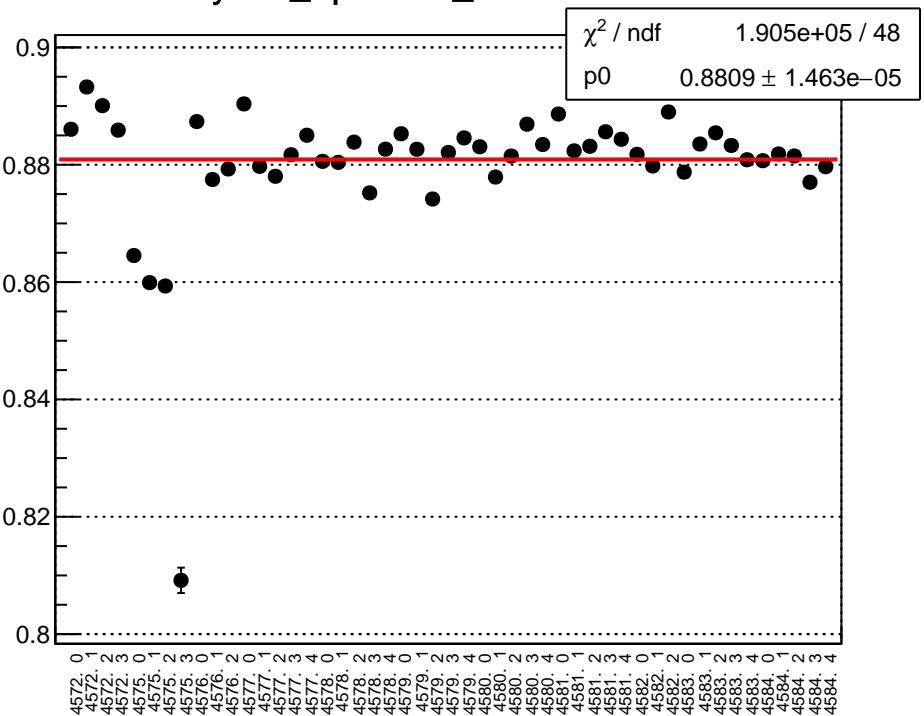
# yield\_bpm4eX\_mean vs run



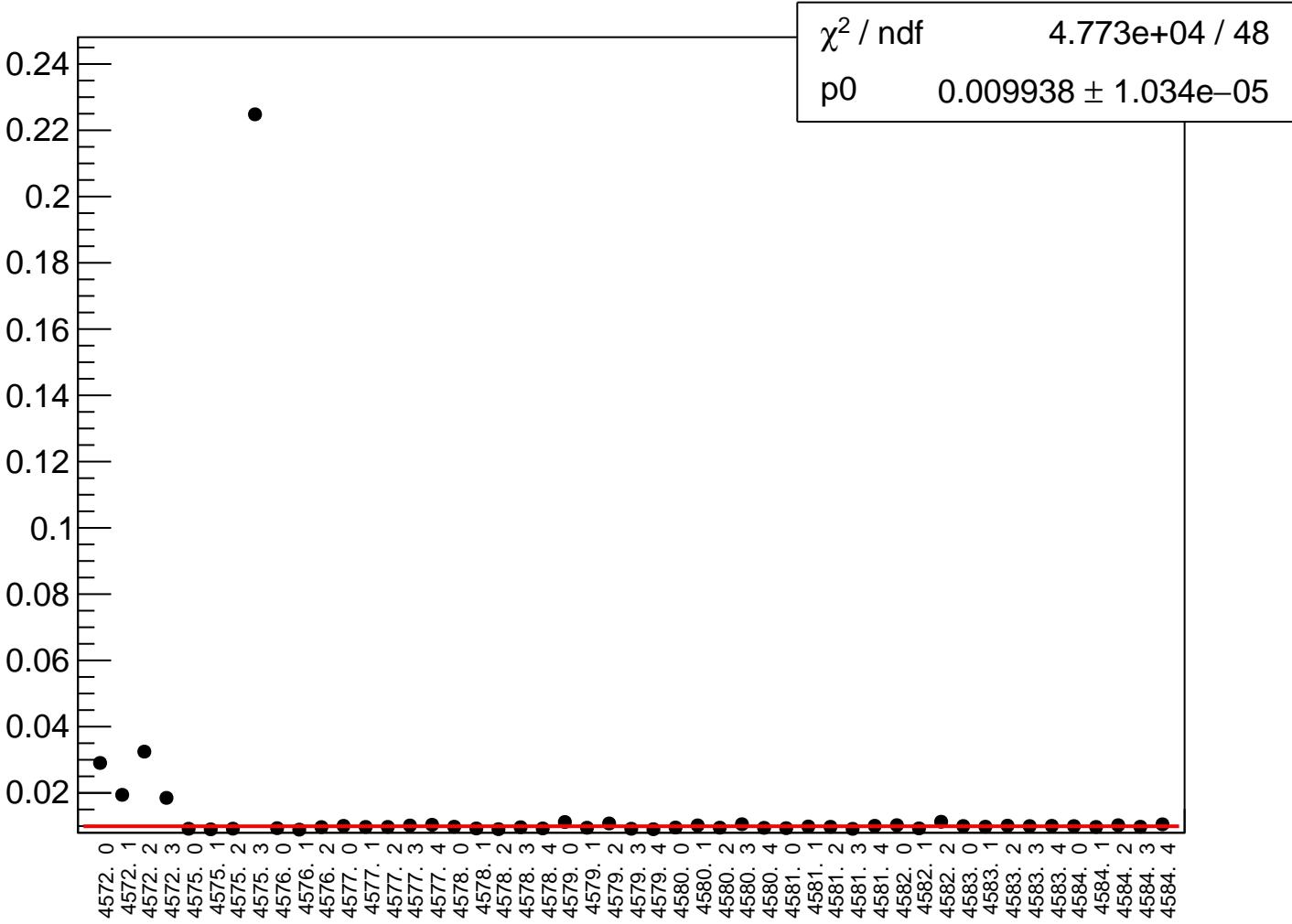
# yield\_bpm4eX\_rms vs run



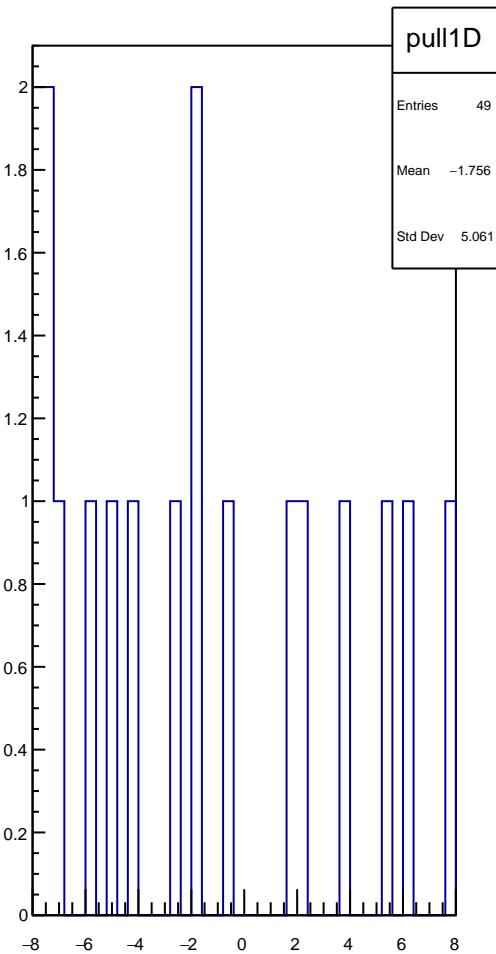
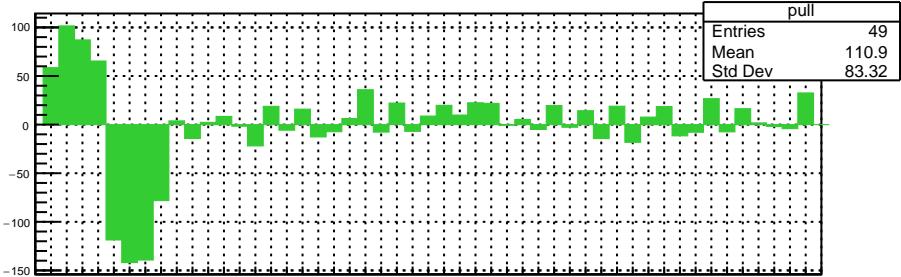
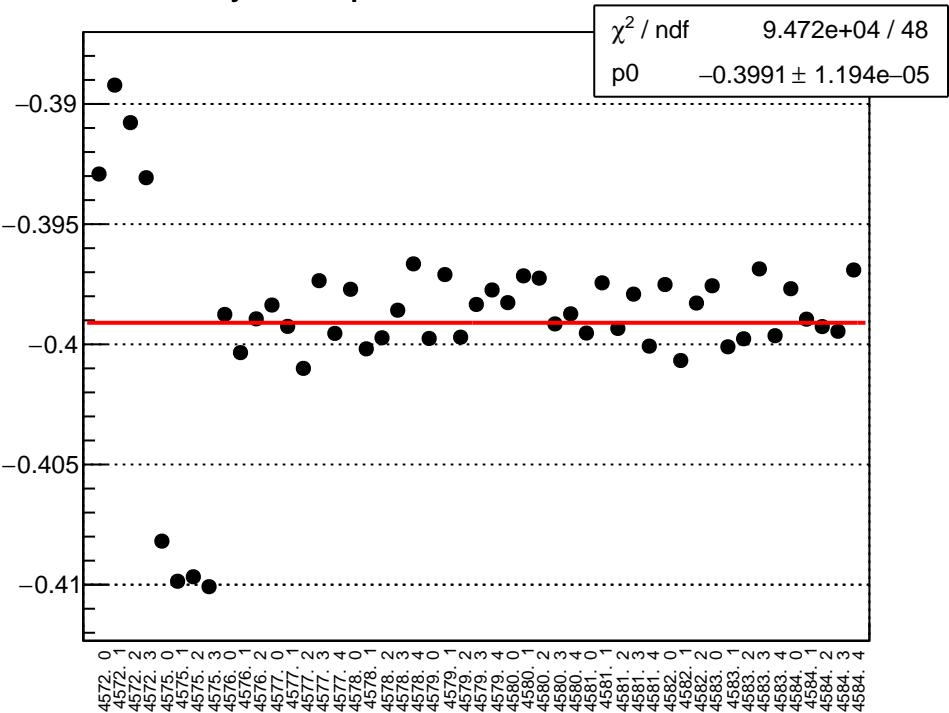
# yield\_bpm4eY\_mean vs run



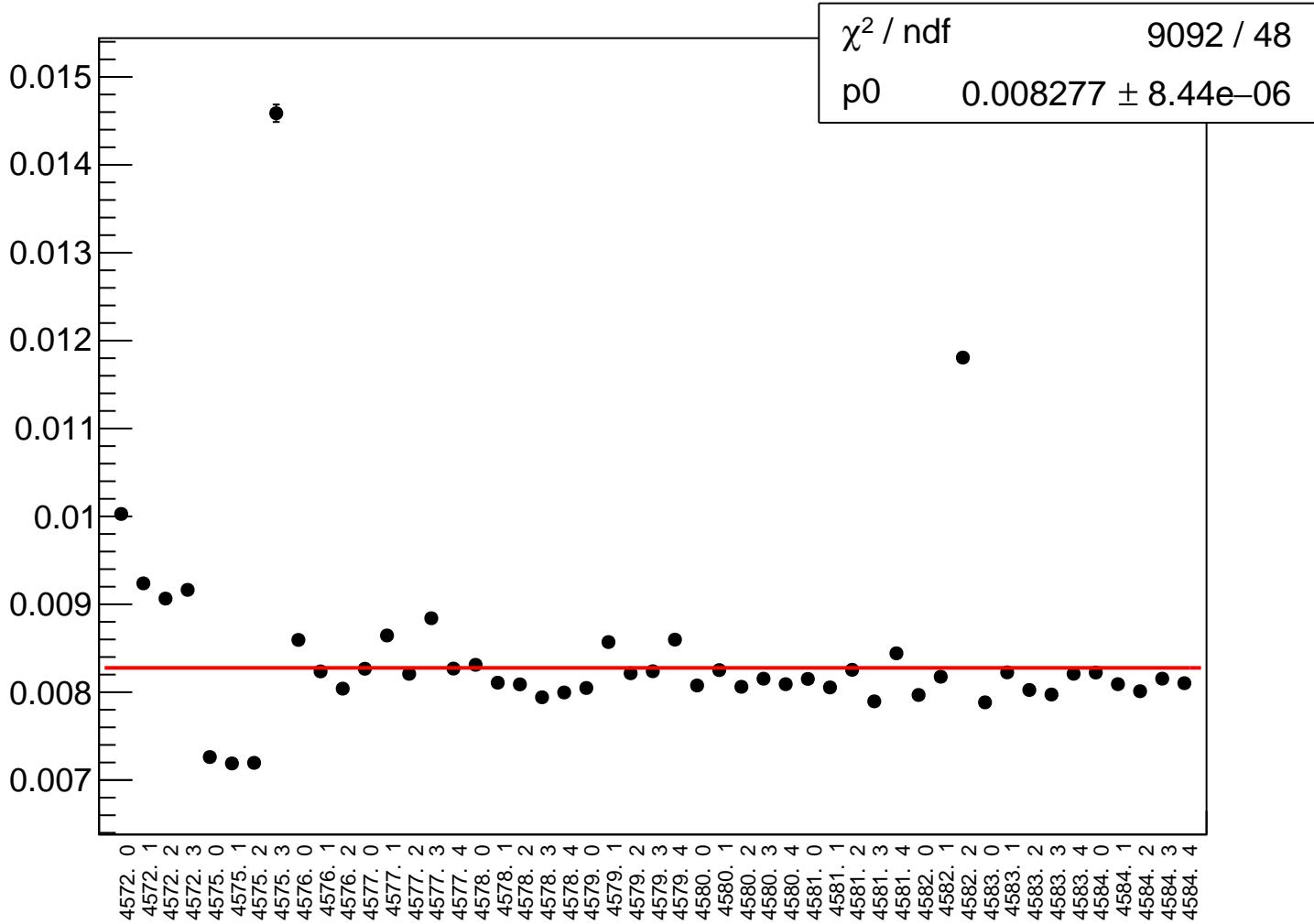
# yield\_bpm4eY\_rms vs run



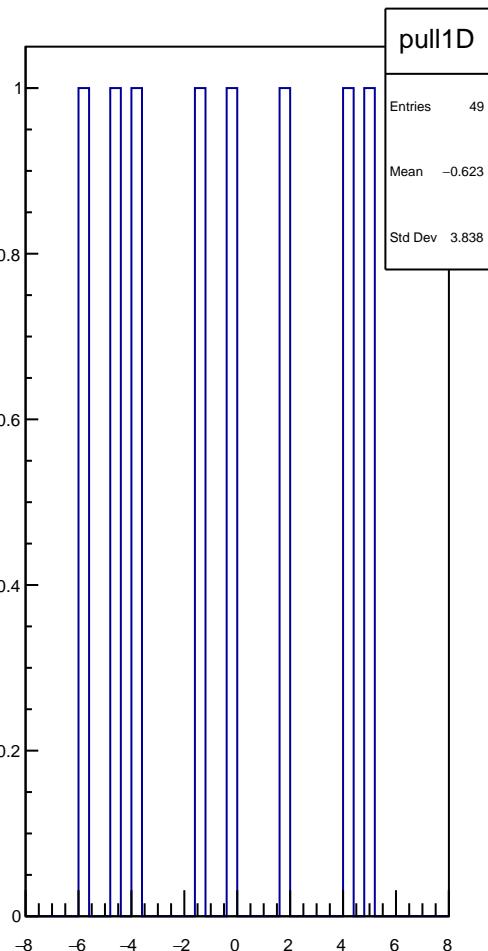
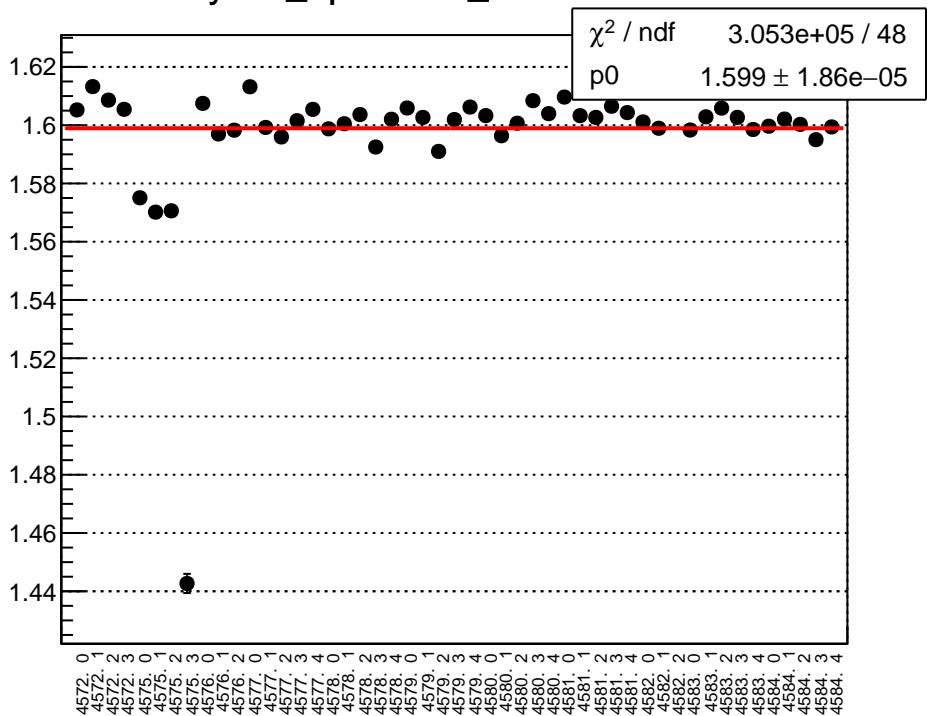
# yield\_bpm4acX\_mean vs run



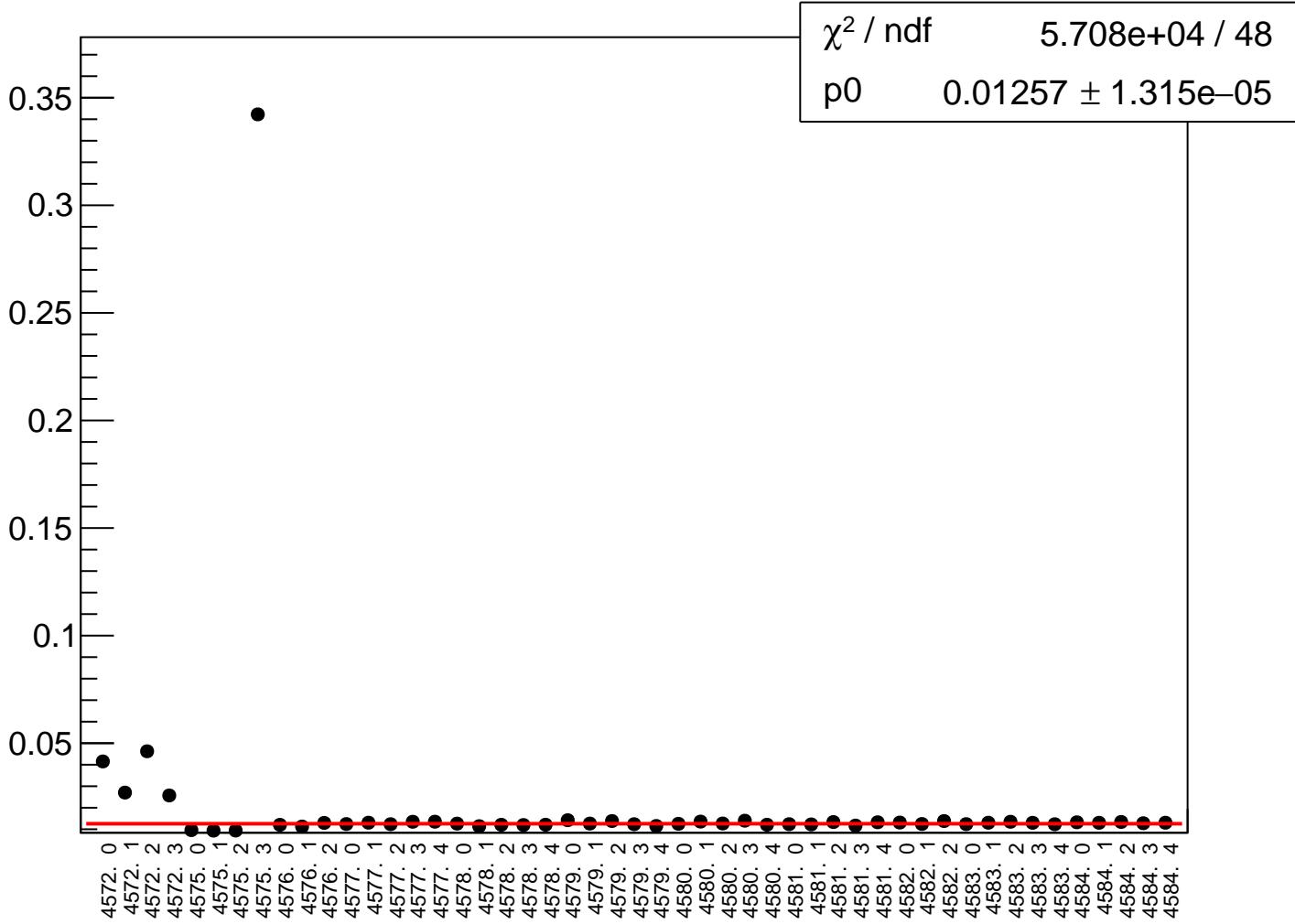
# yield\_bpm4acX\_rms vs run



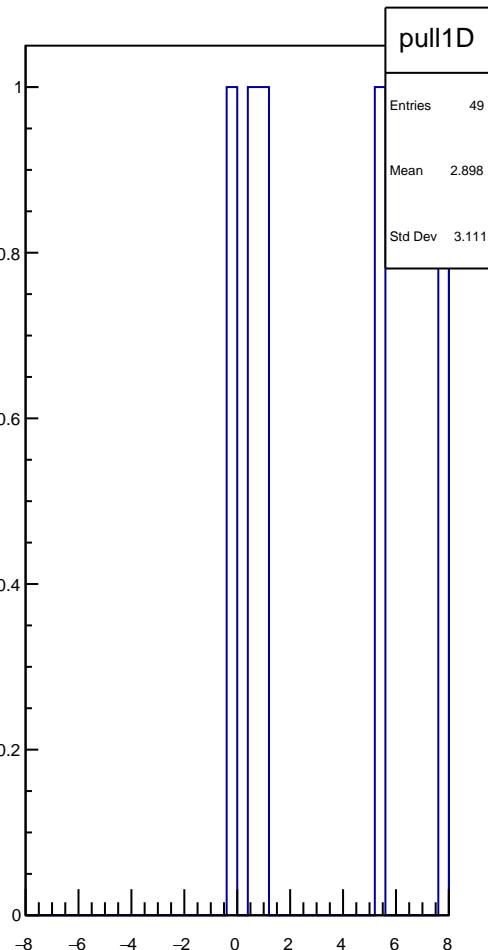
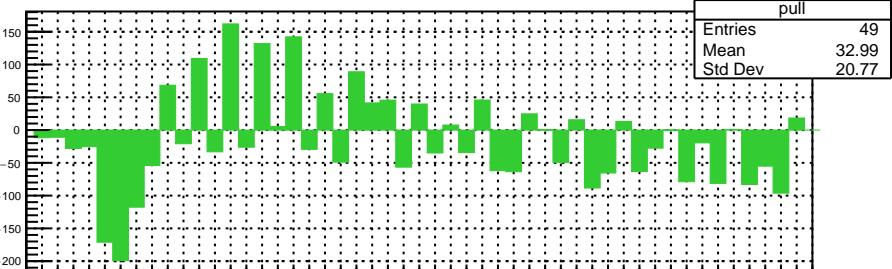
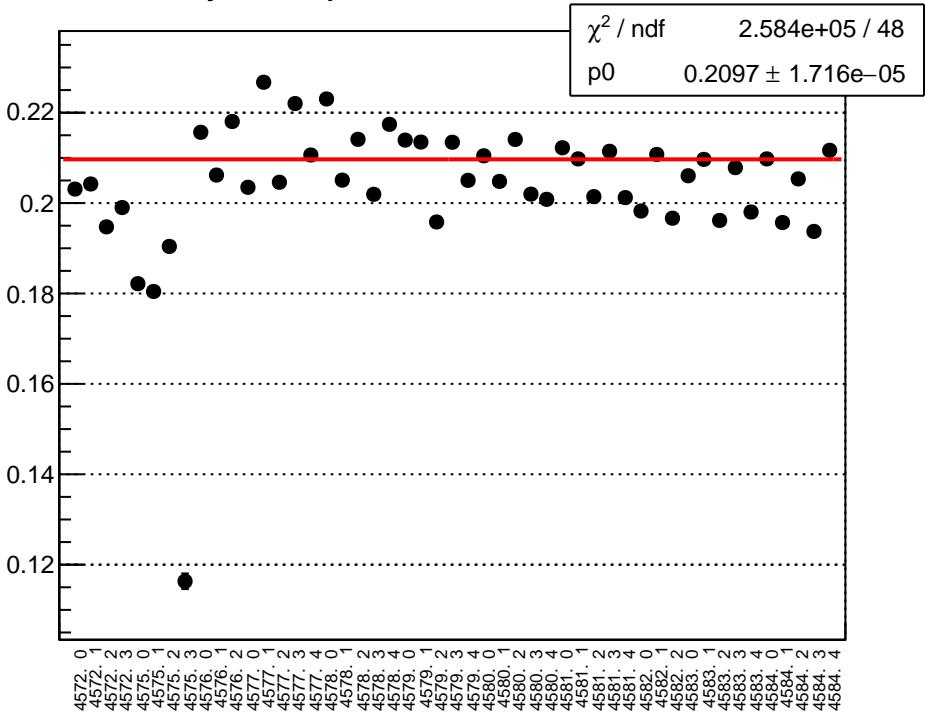
# yield\_bpm4acY\_mean vs run



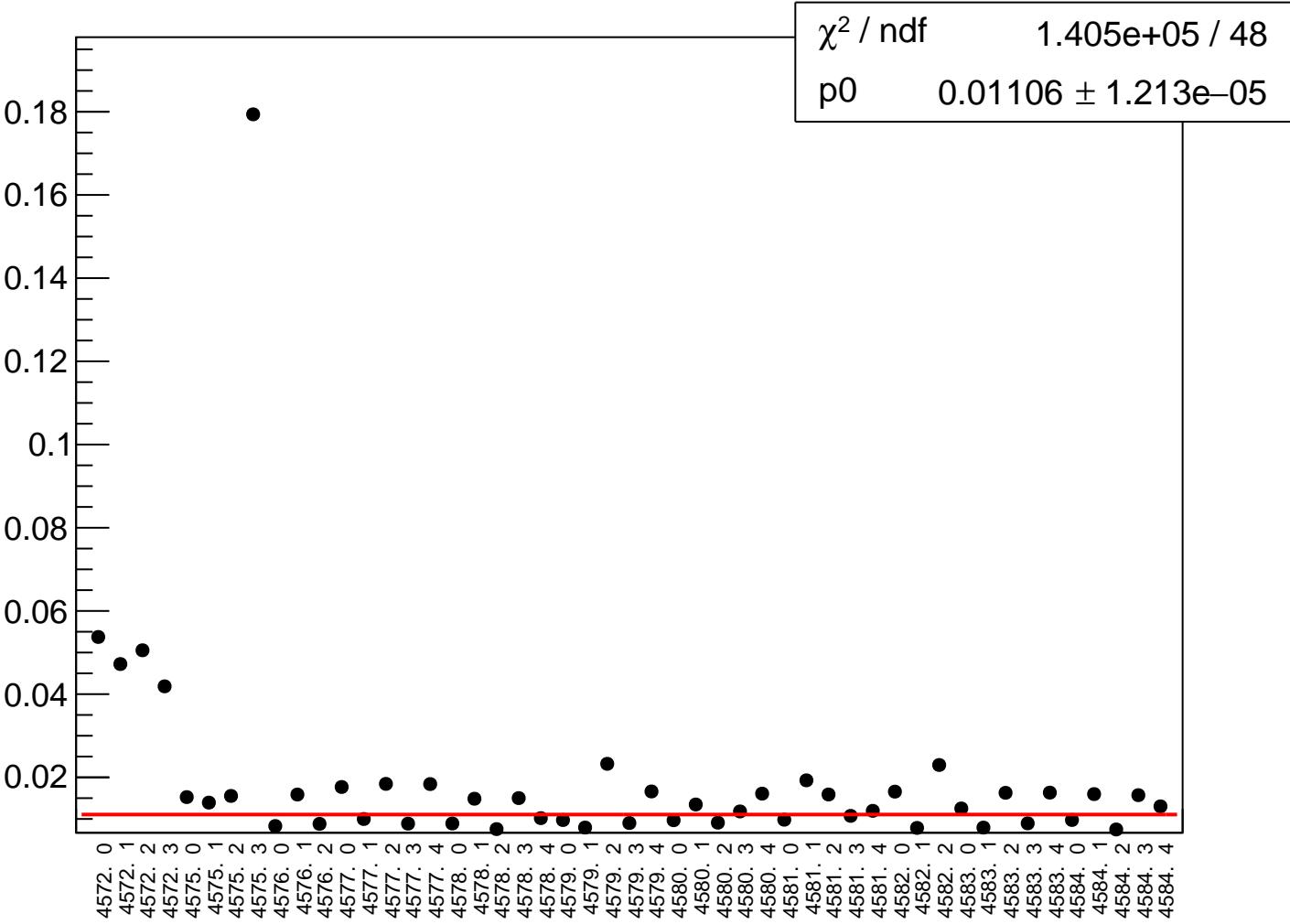
# yield\_bpm4acY\_rms vs run

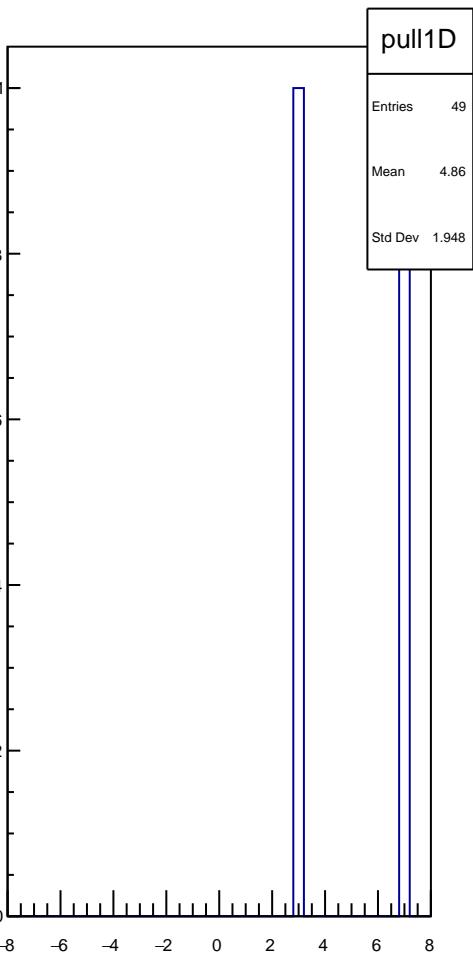
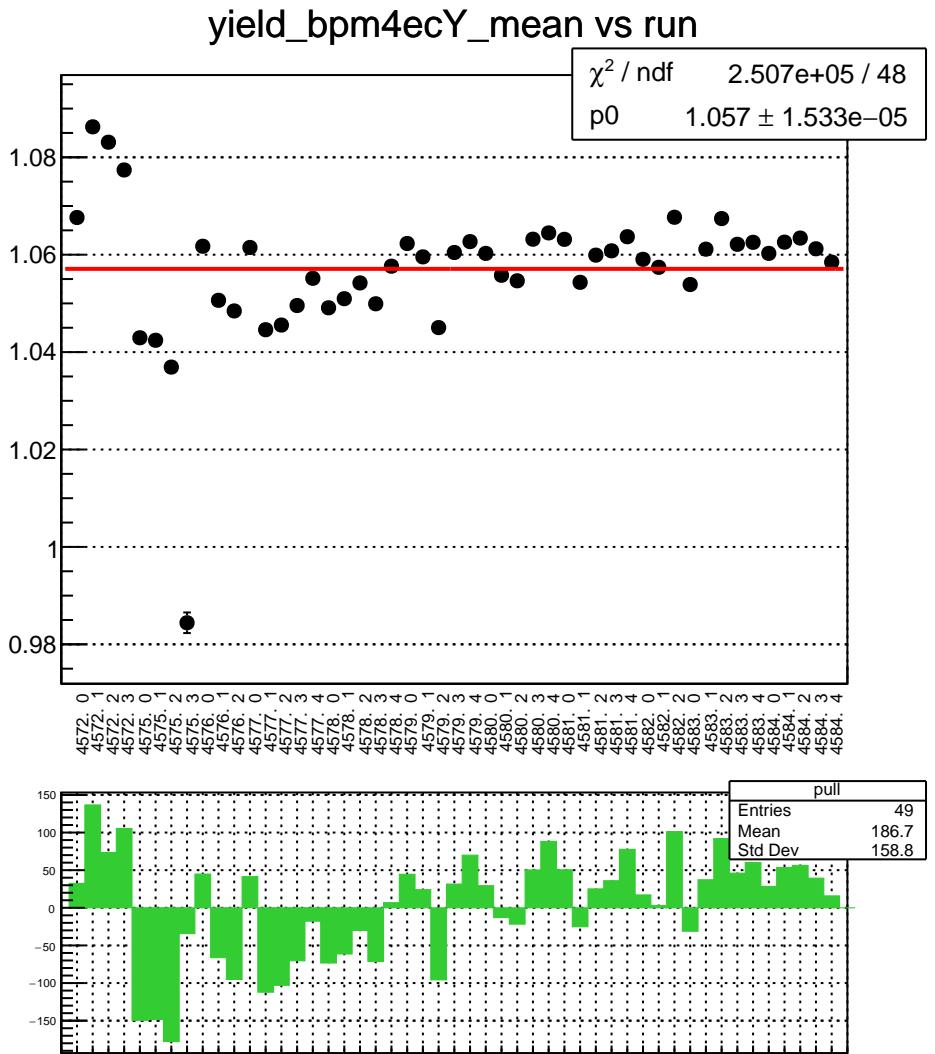


# yield\_bpm4ecX\_mean vs run

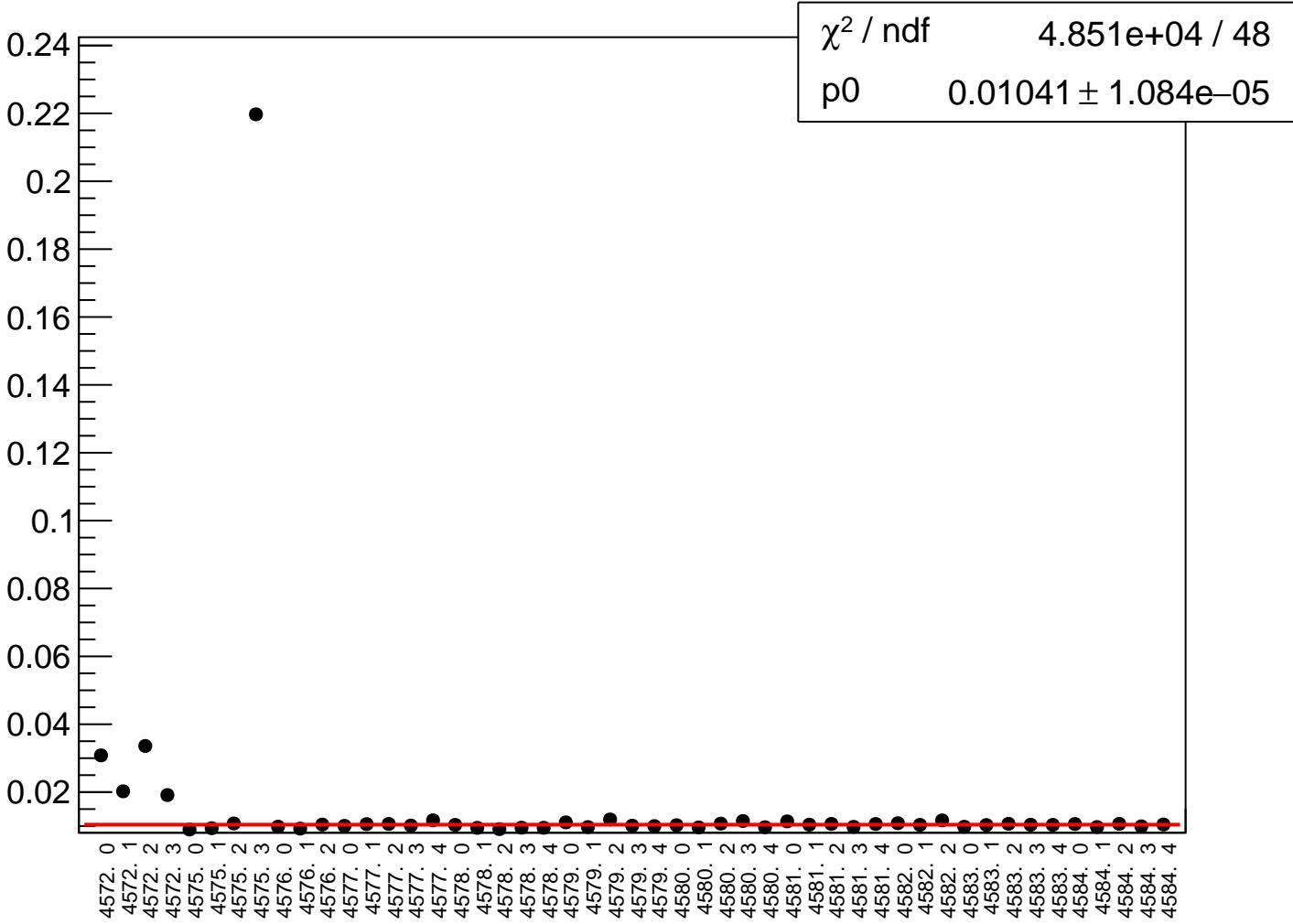


# yield\_bpm4ecX\_rms vs run

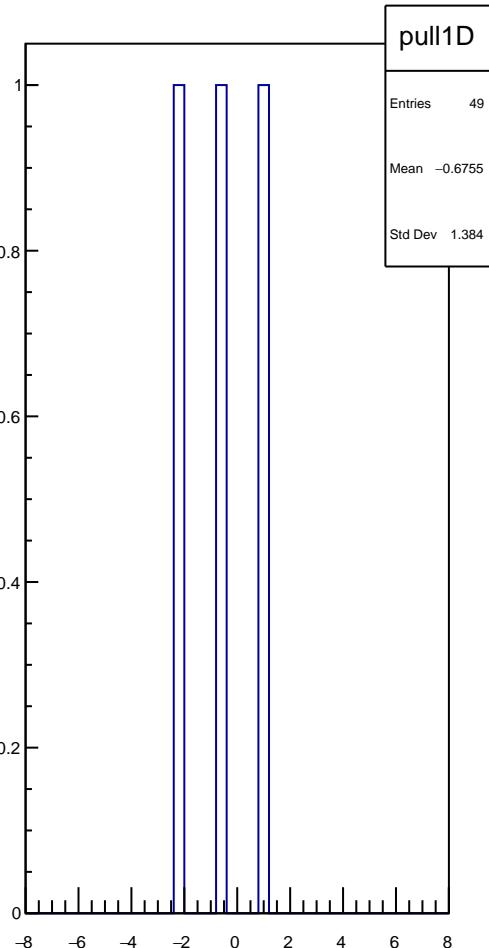
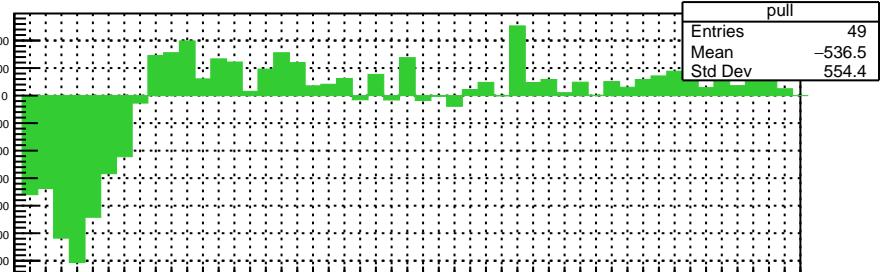
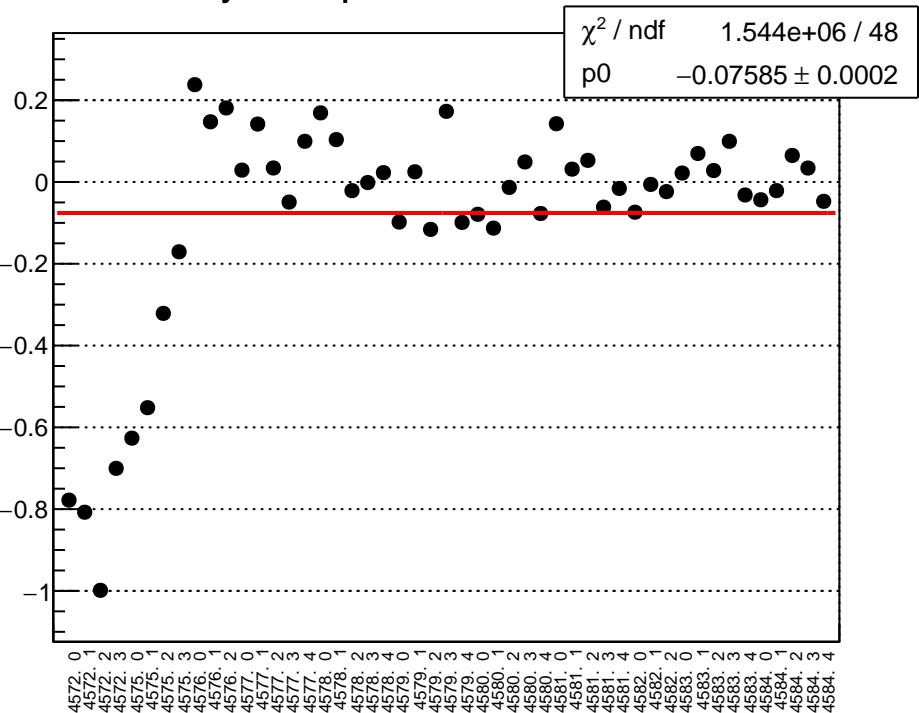




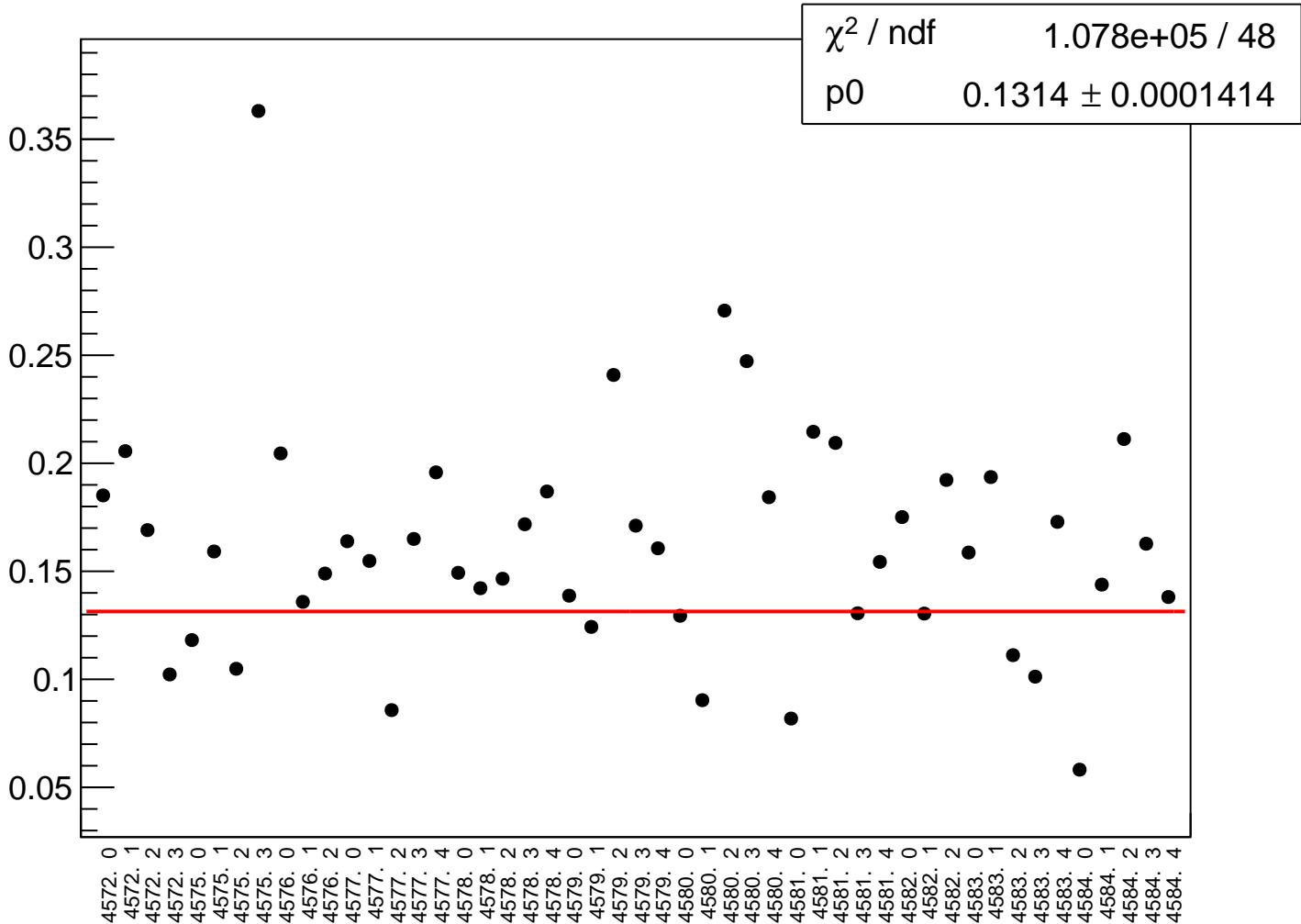
# yield\_bpm4ecY\_rms vs run



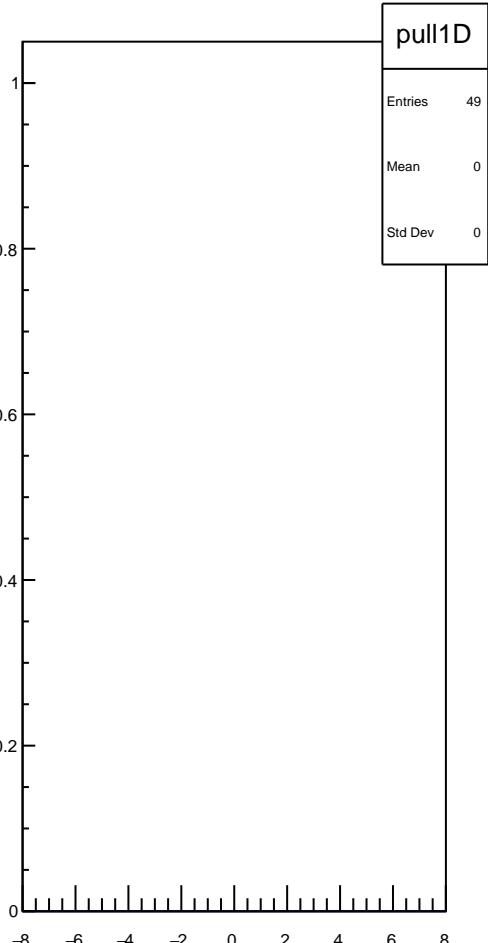
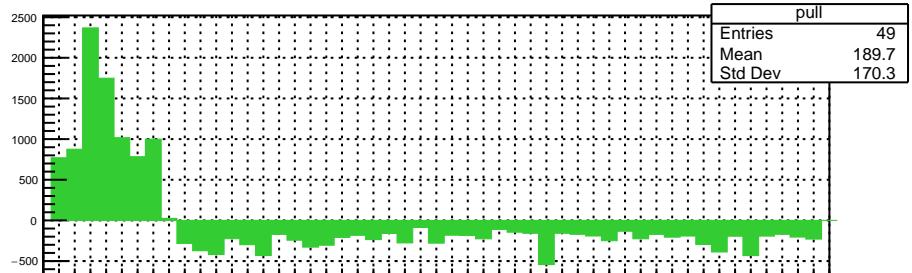
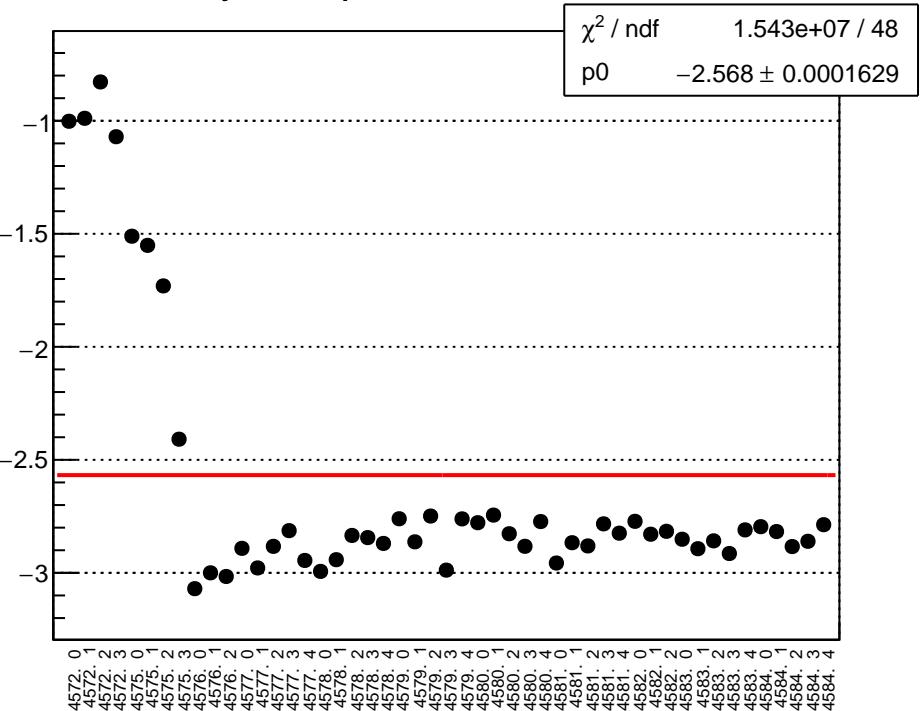
# yield\_bpm1X\_mean vs run



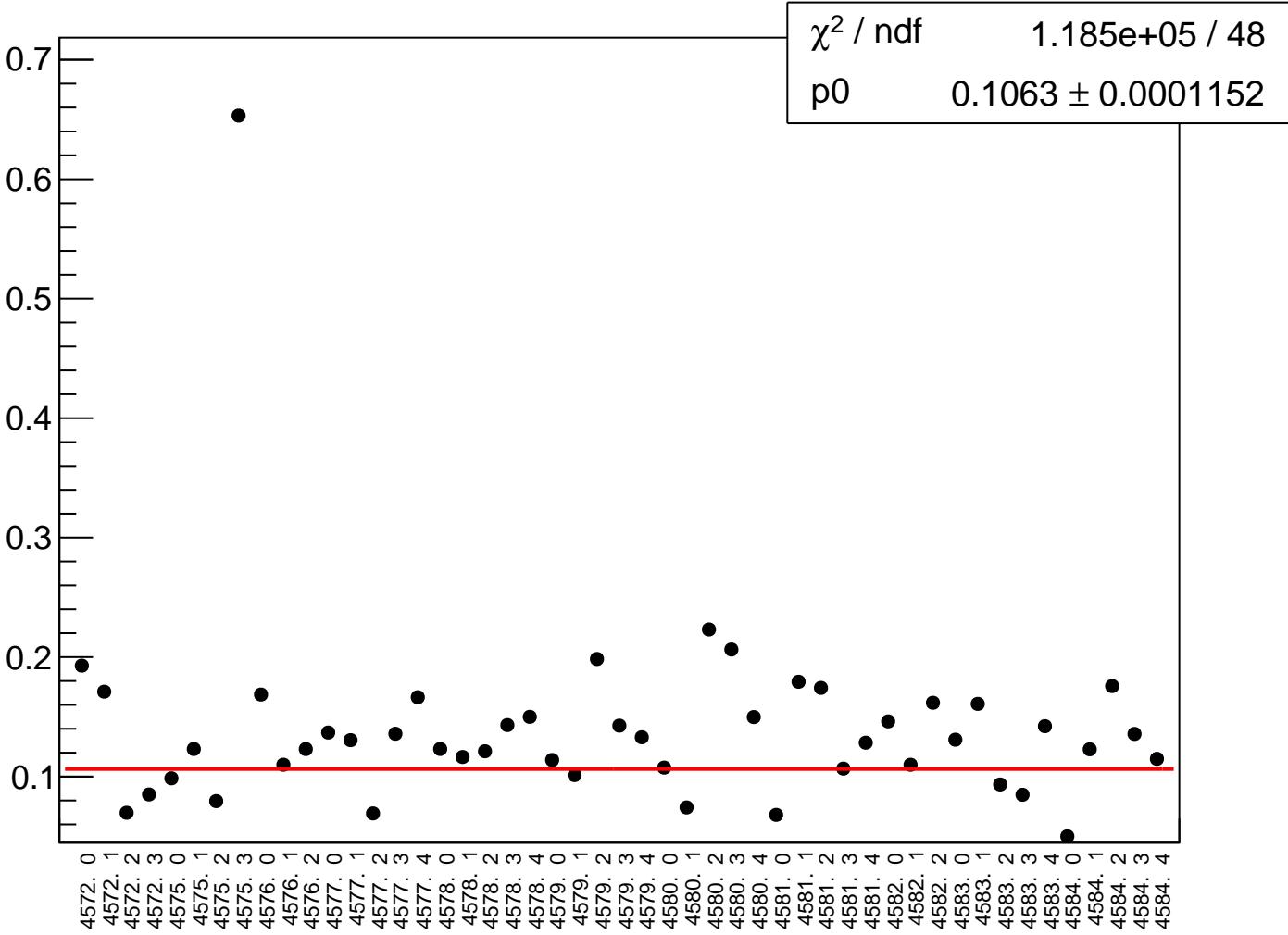
# yield\_bpm1X\_rms vs run



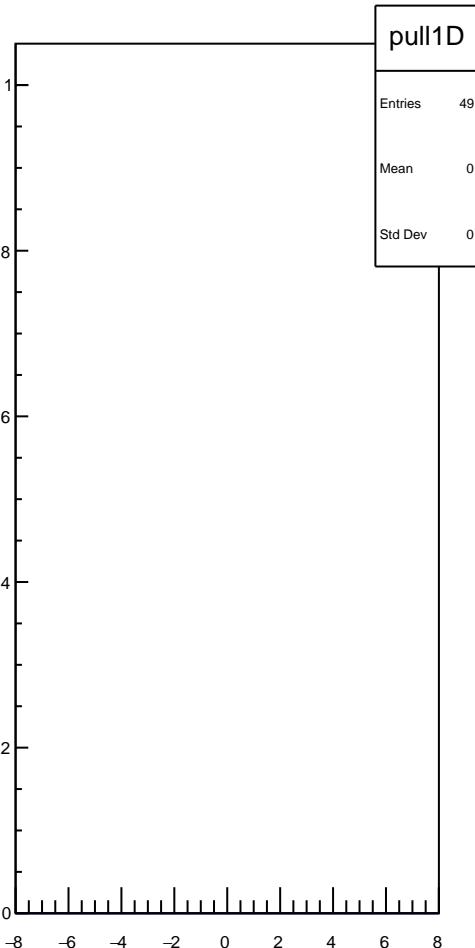
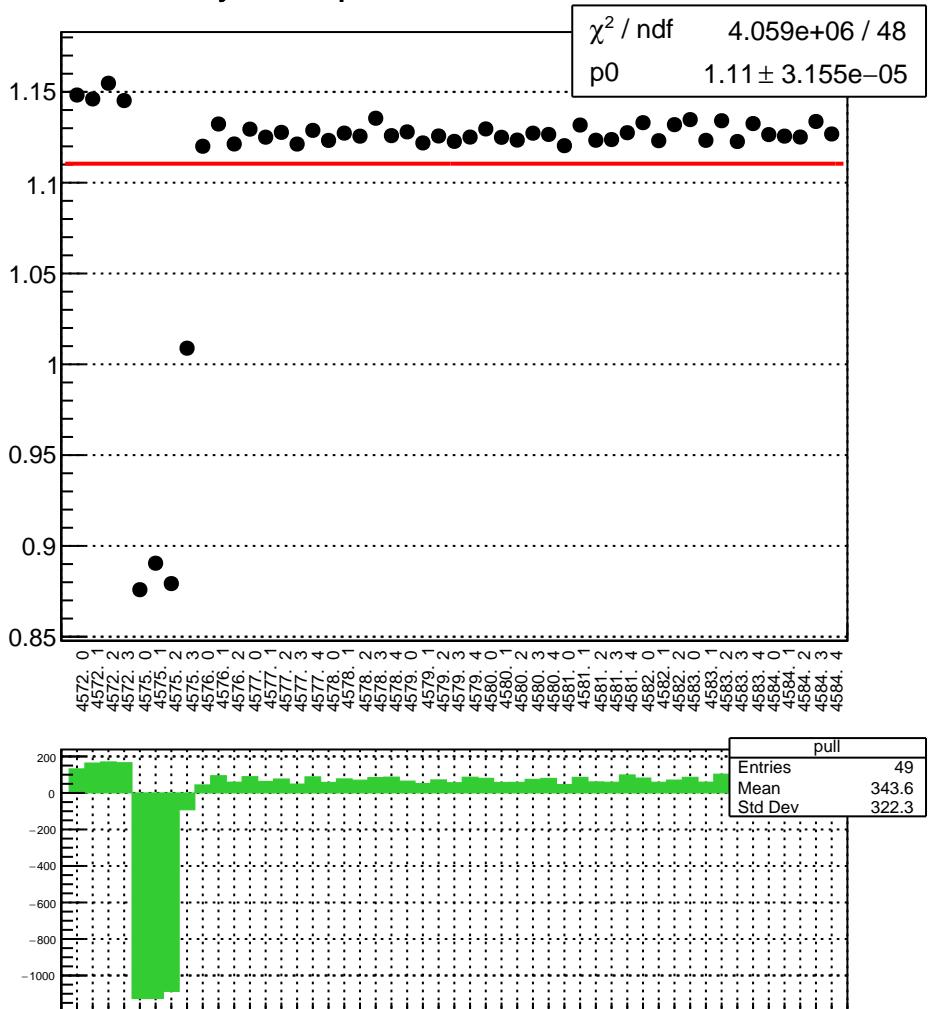
# yield\_bpm1Y\_mean vs run



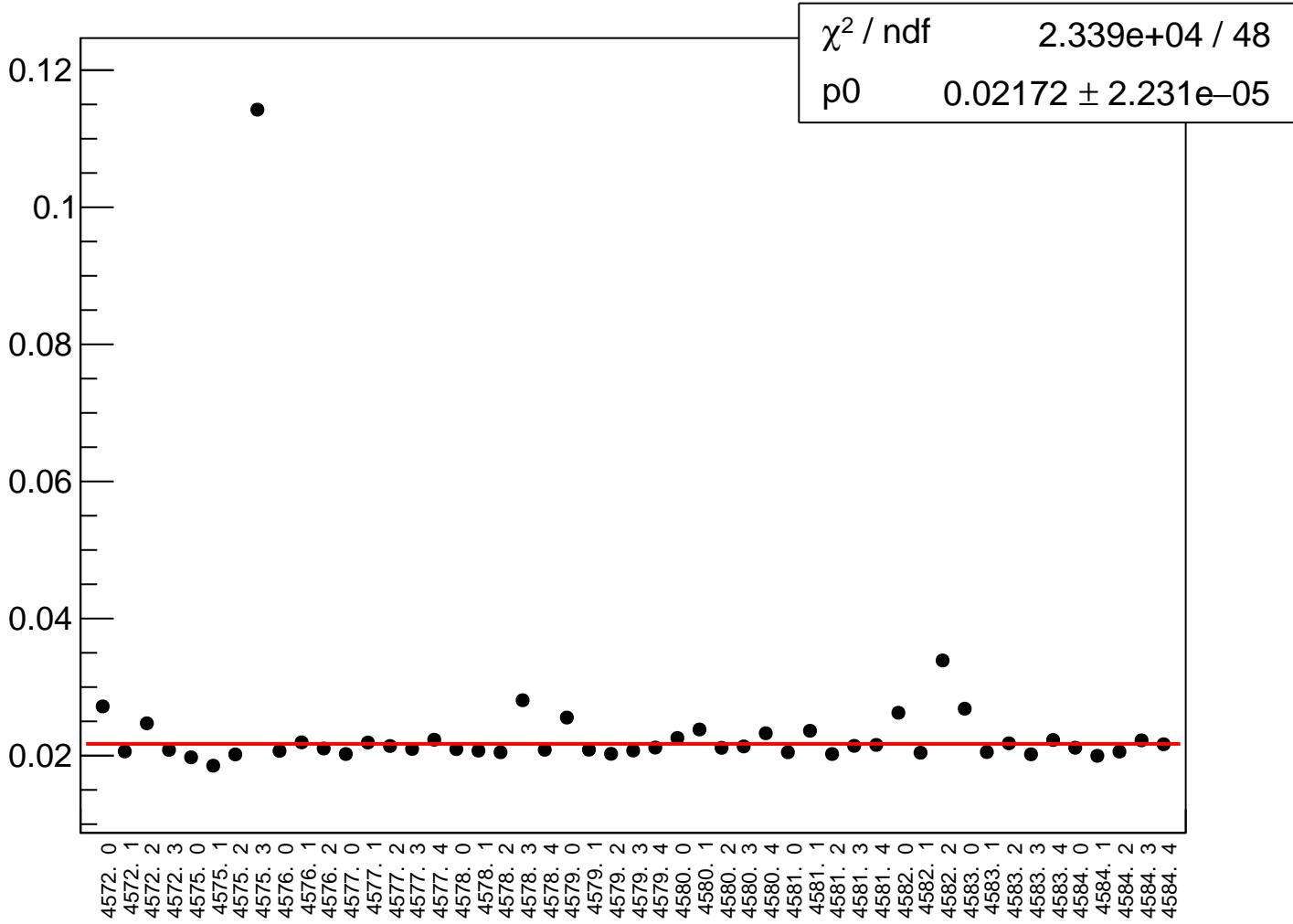
# yield\_bpm1Y\_rms vs run

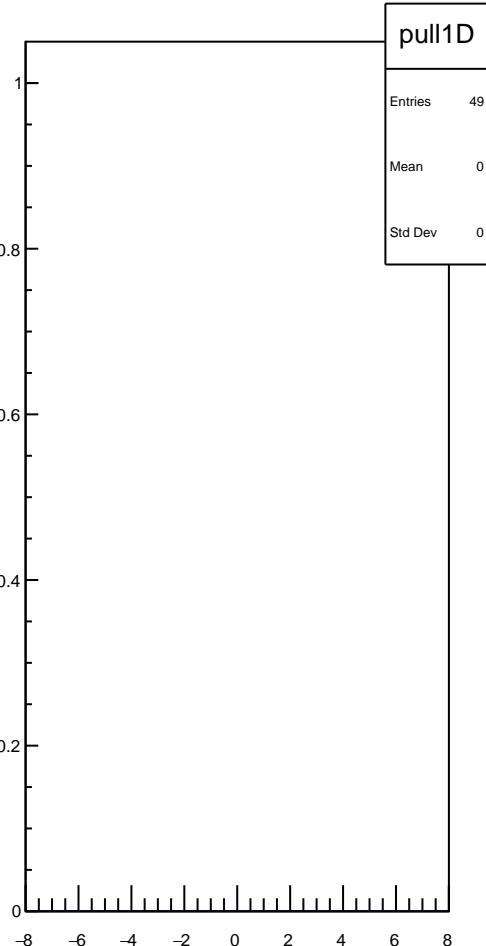
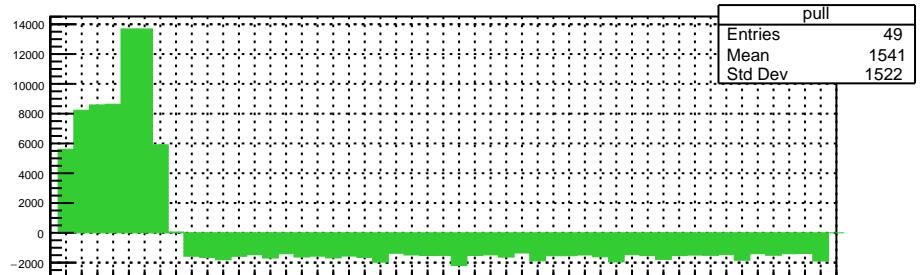
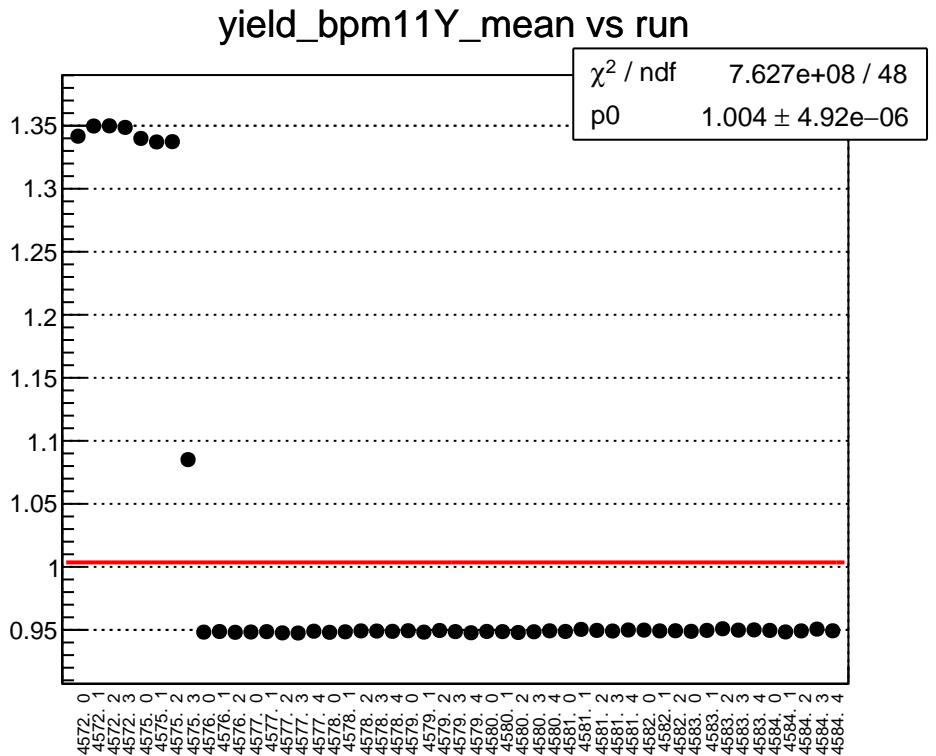


# yield\_bpm11X\_mean vs run

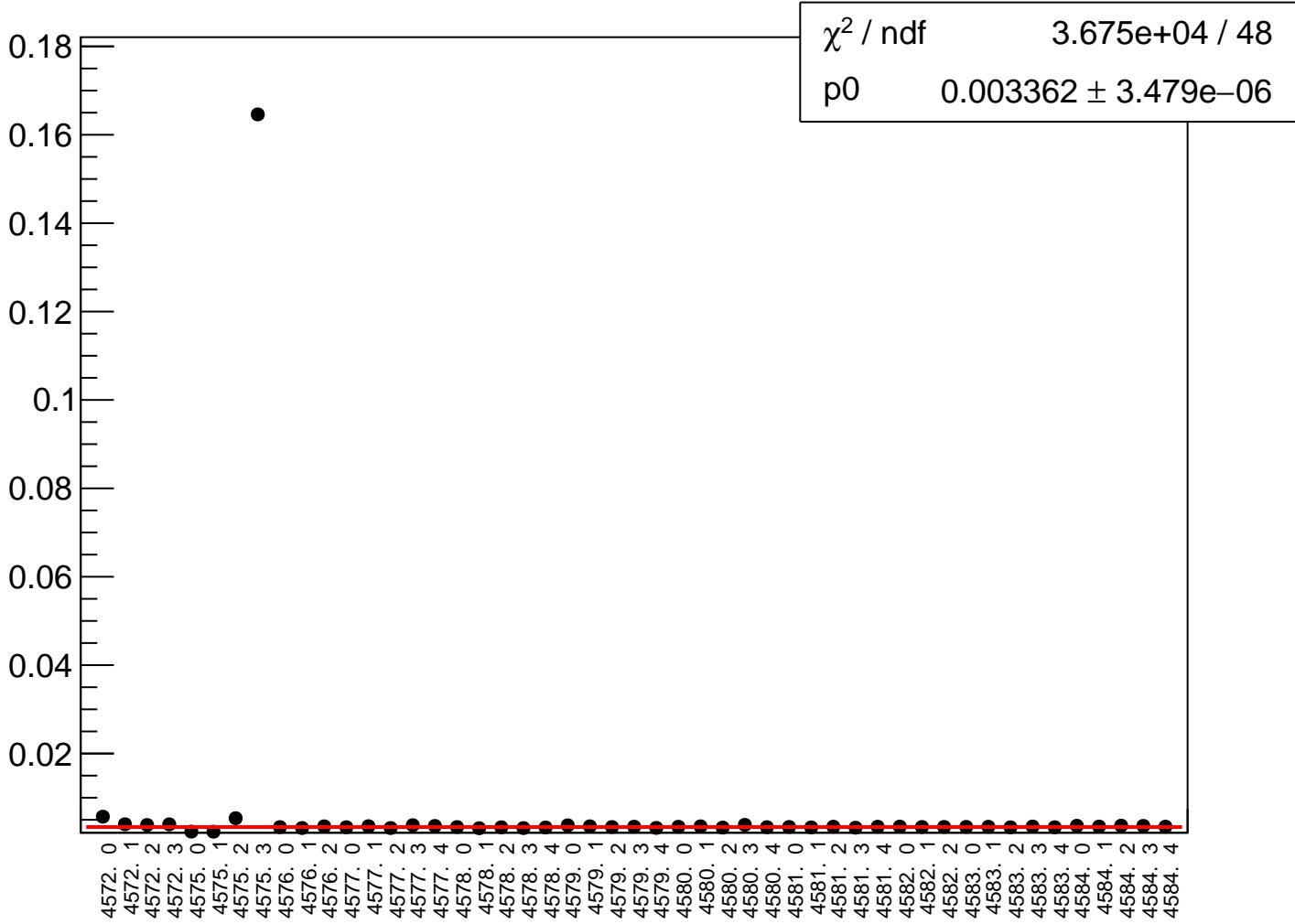


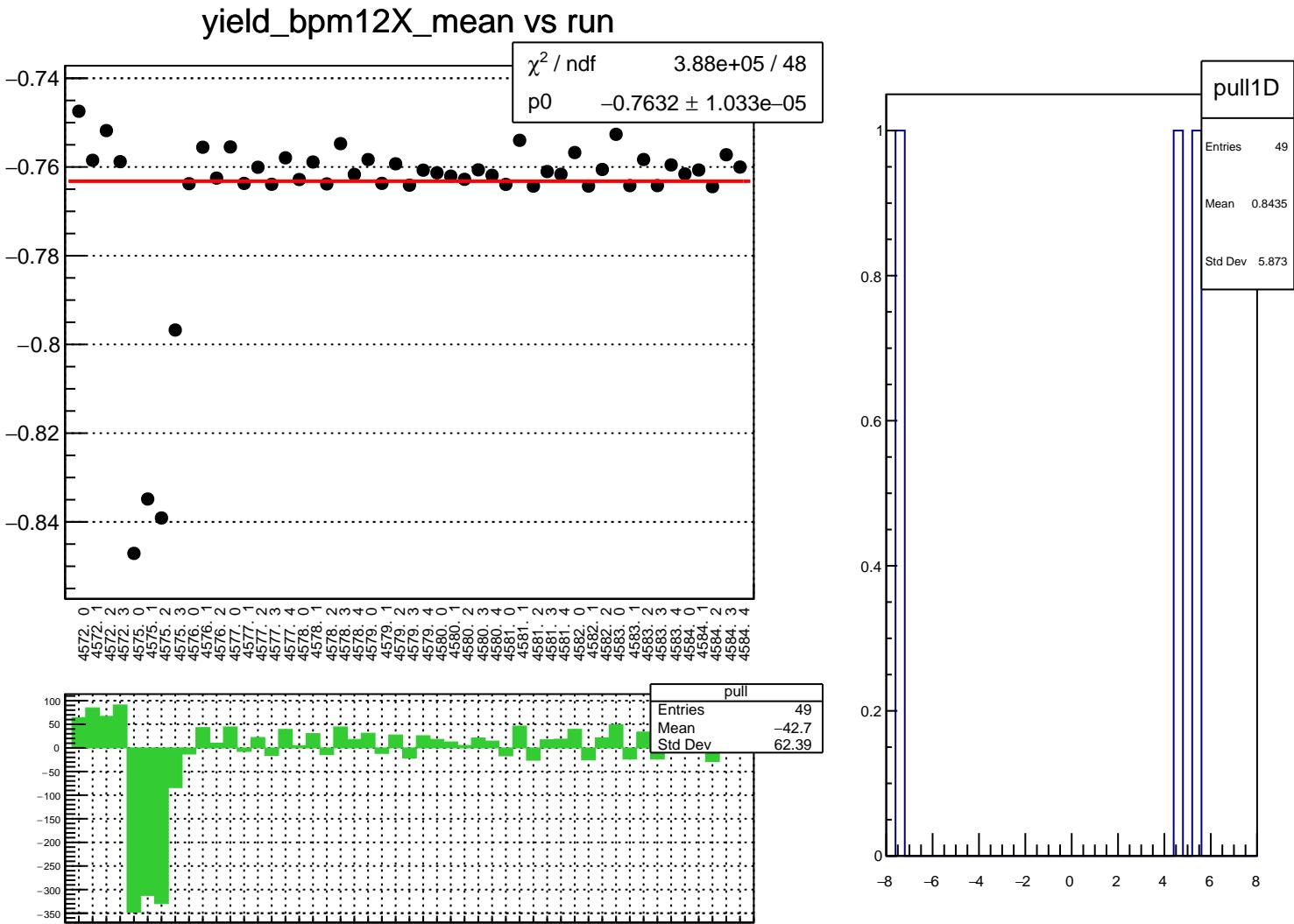
# yield\_bpm11X\_rms vs run



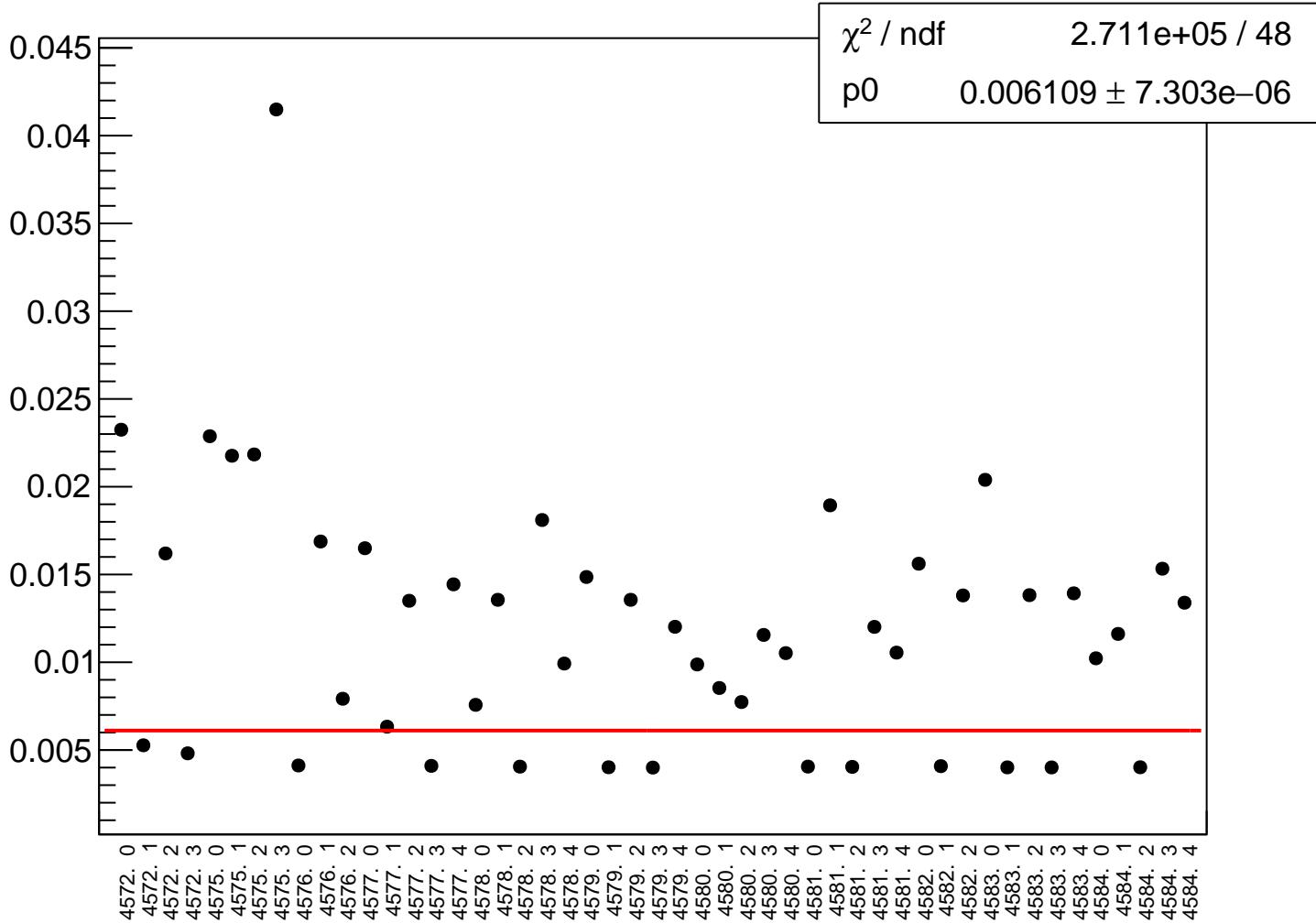


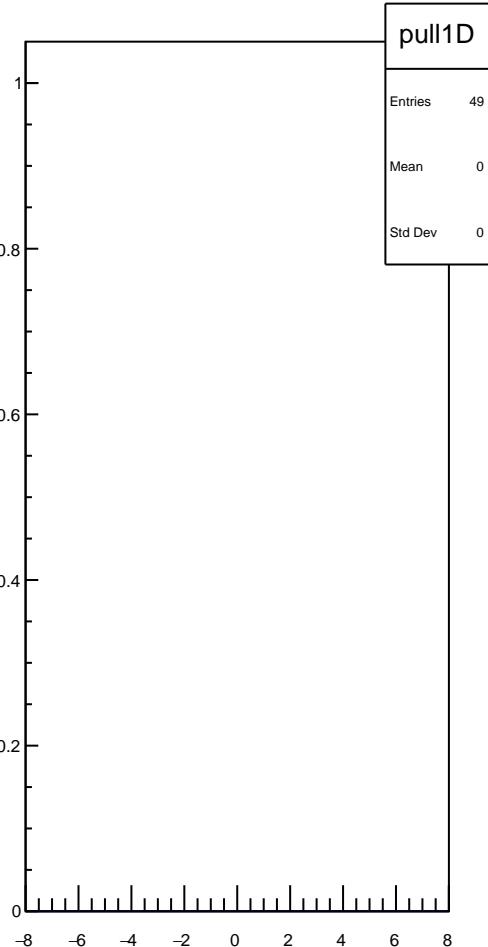
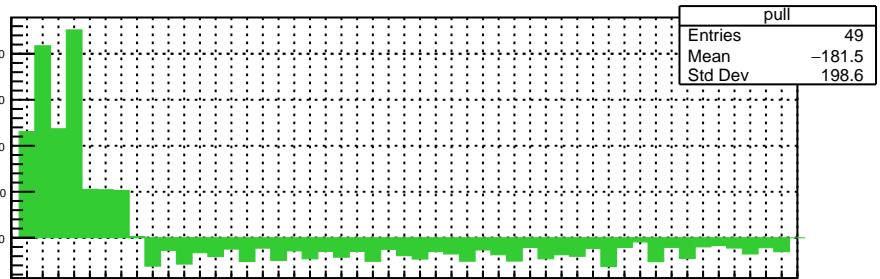
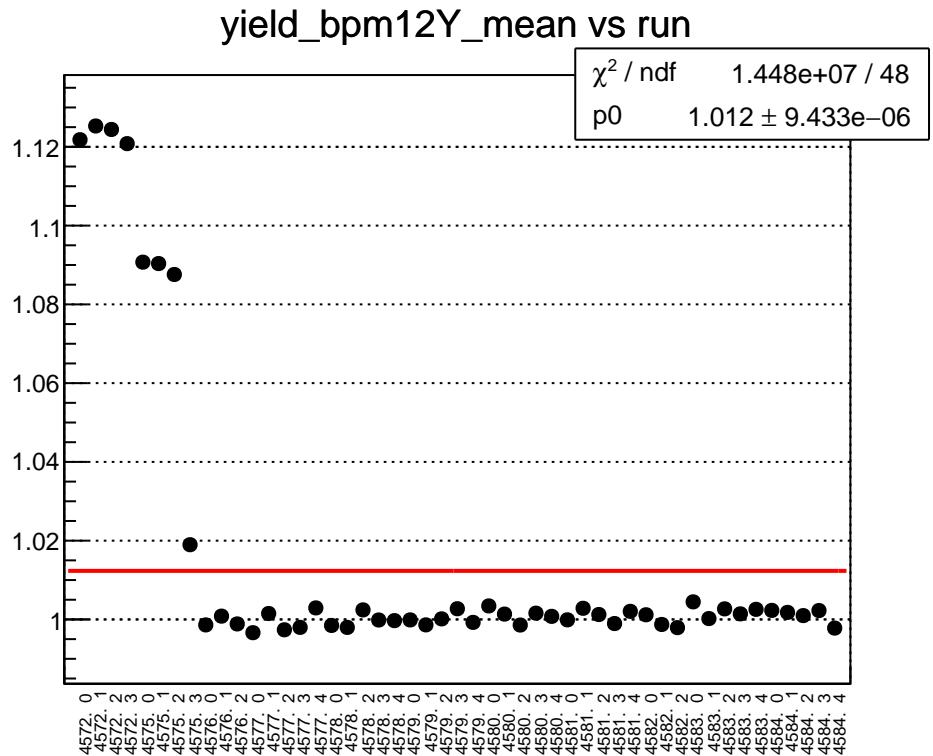
# yield\_bpm11Y\_rms vs run



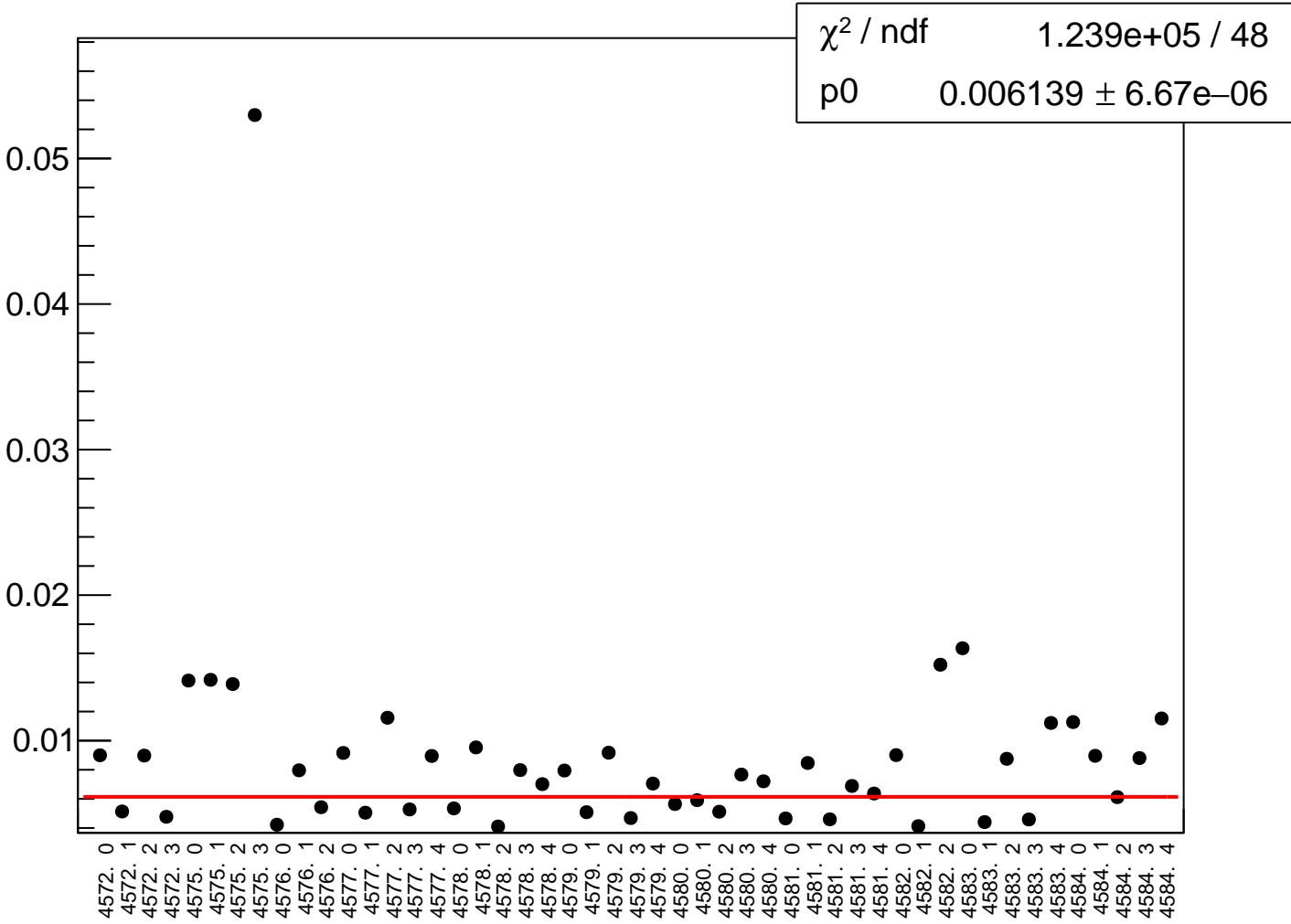


# yield\_bpm12X\_rms vs run

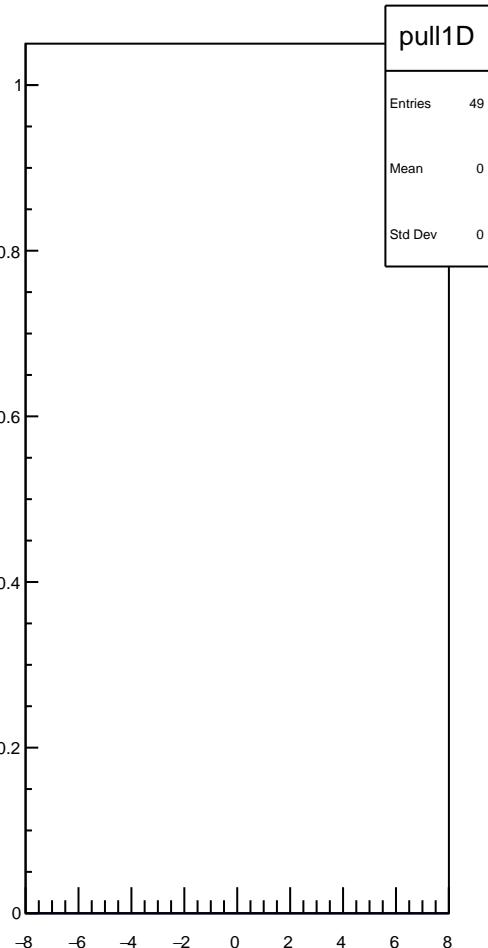
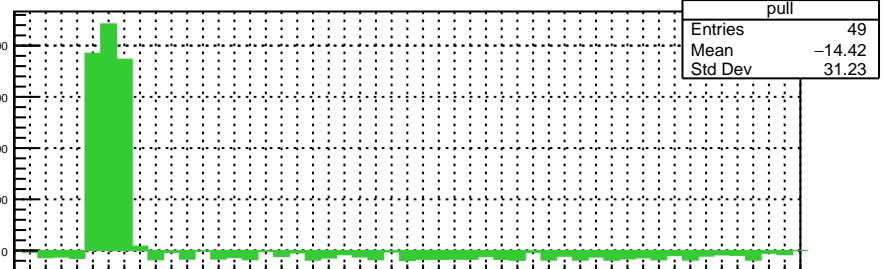
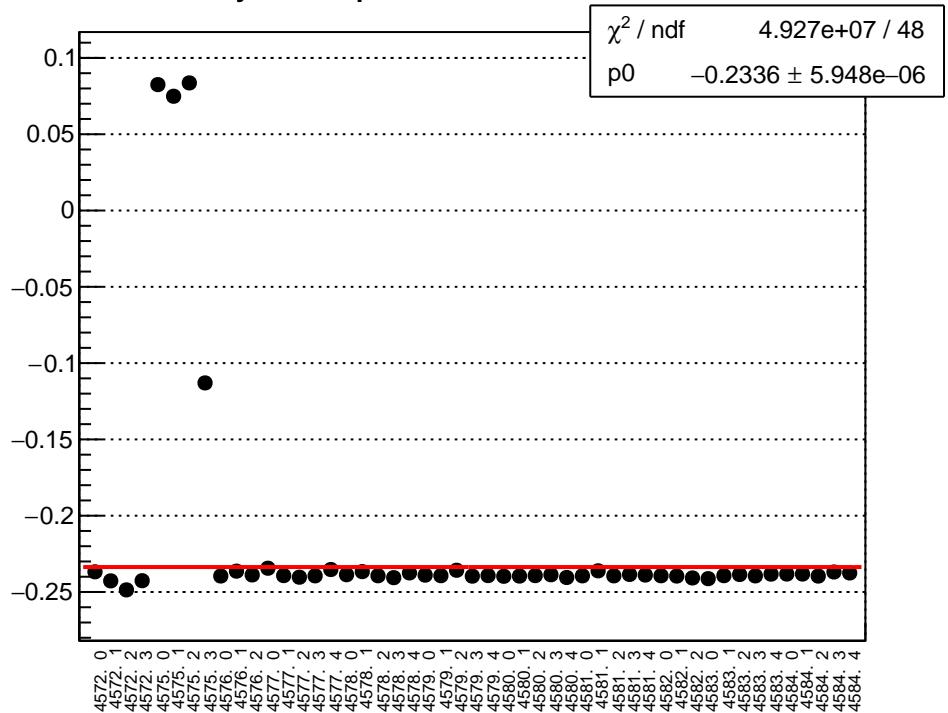




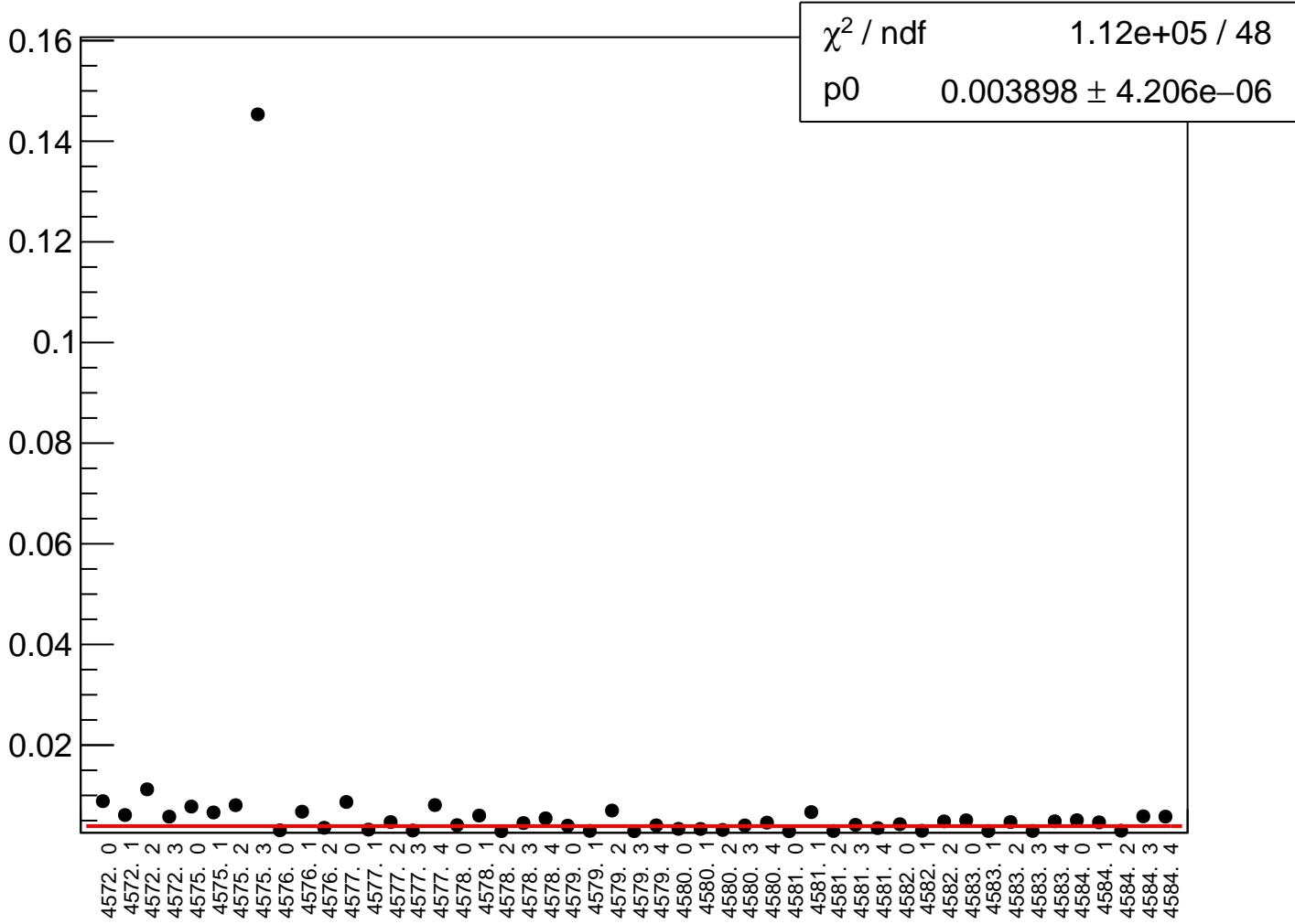
# yield\_bpm12Y\_rms vs run



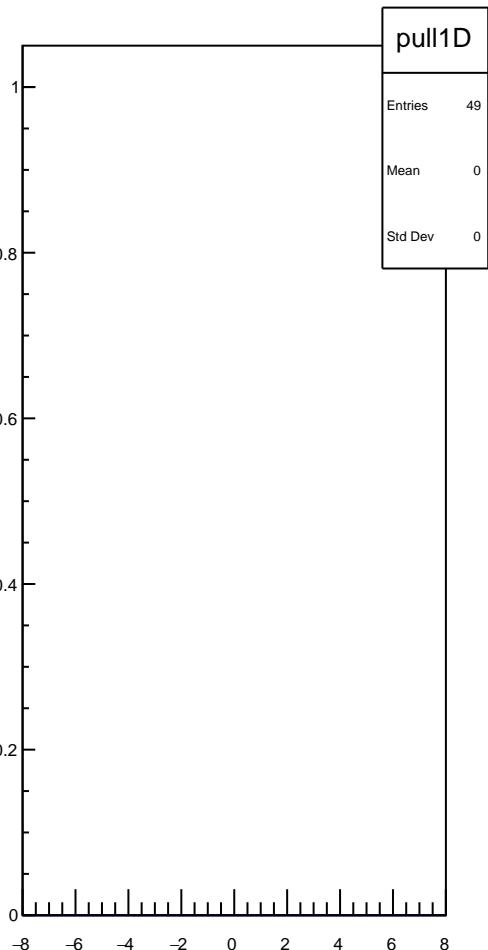
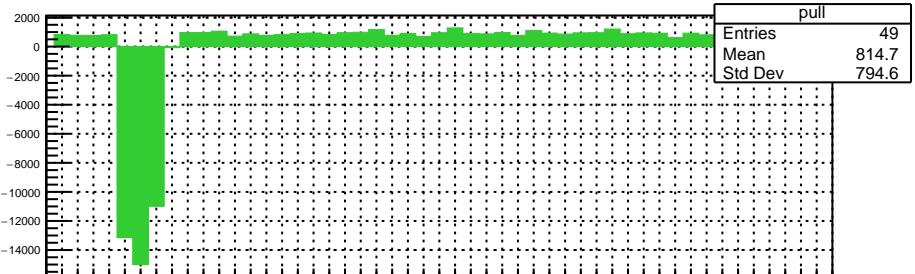
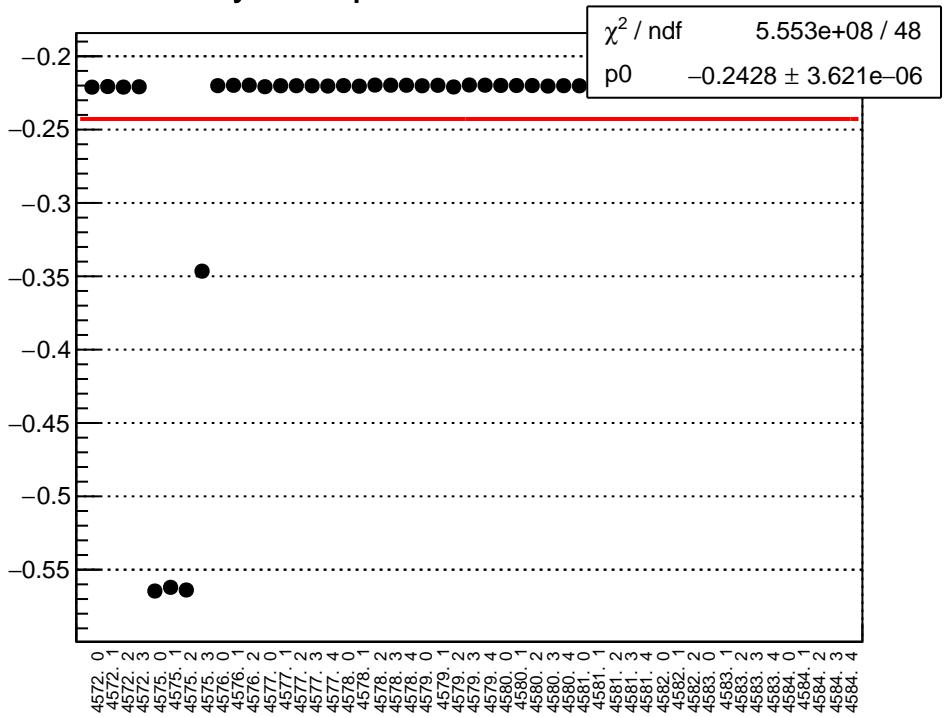
# yield\_bpm16X\_mean vs run



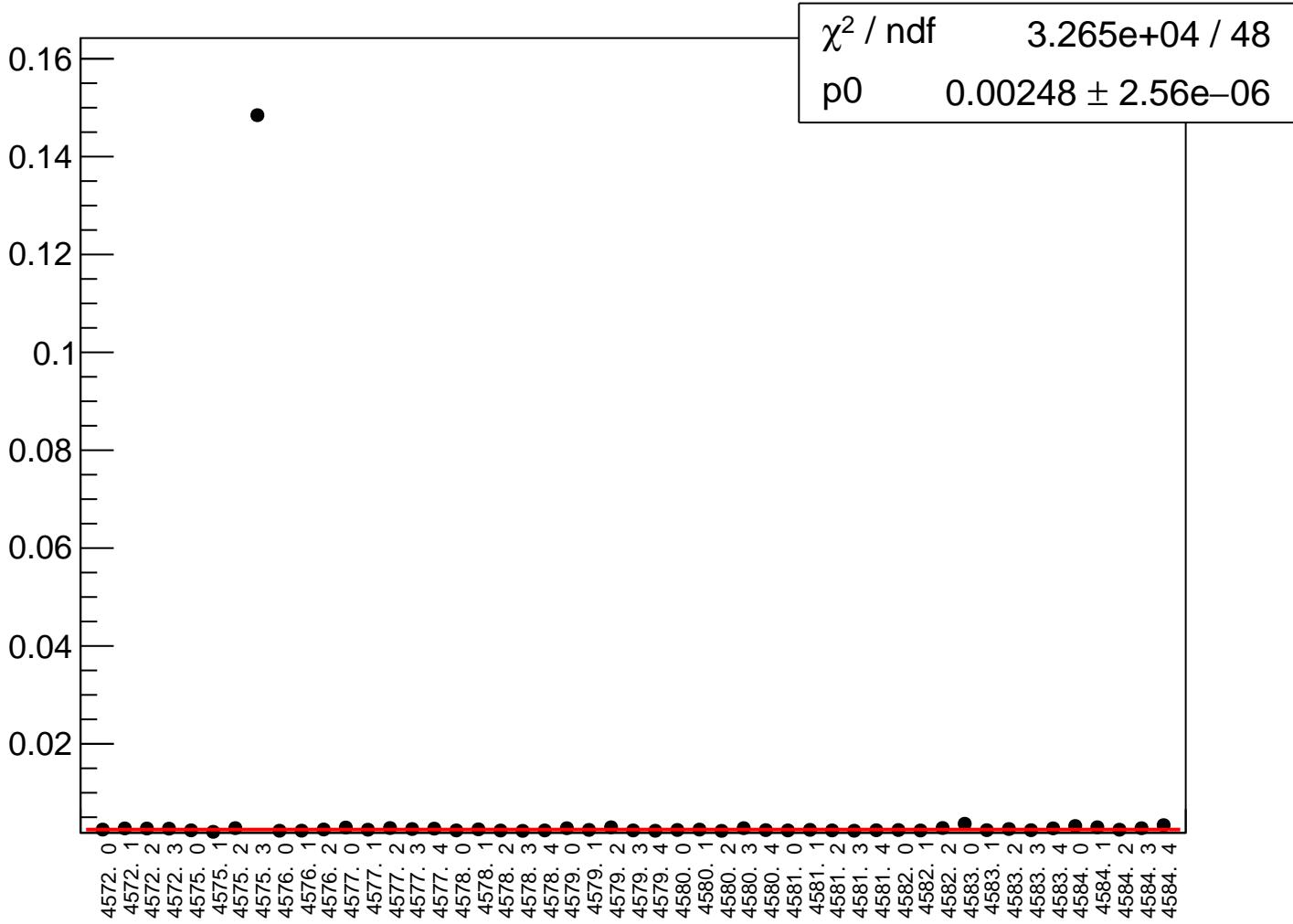
# yield\_bpm16X\_rms vs run



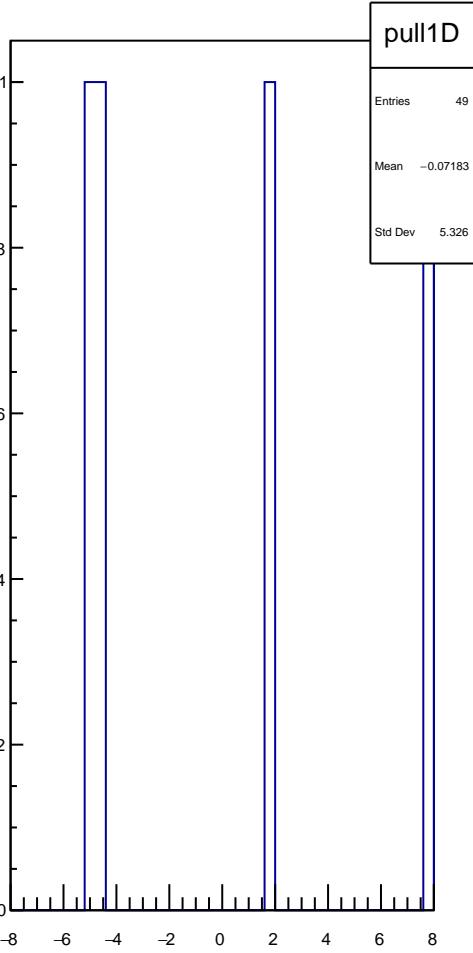
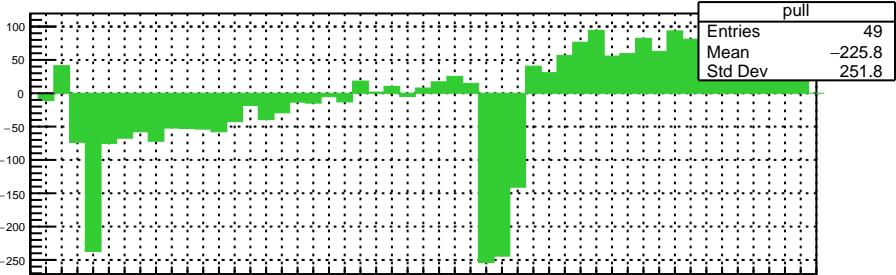
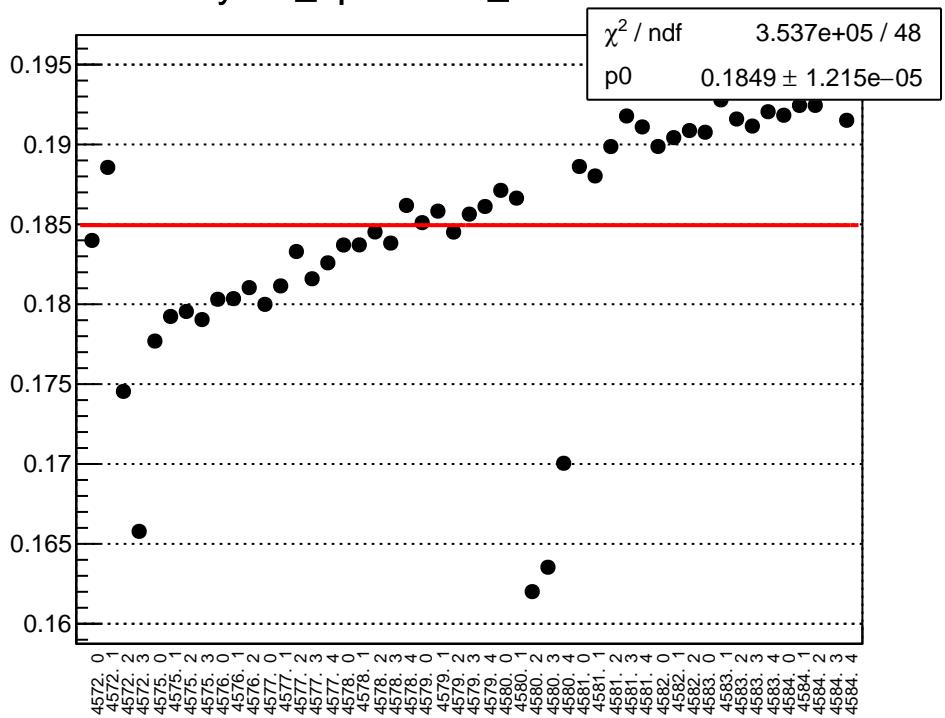
# yield\_bpm16Y\_mean vs run



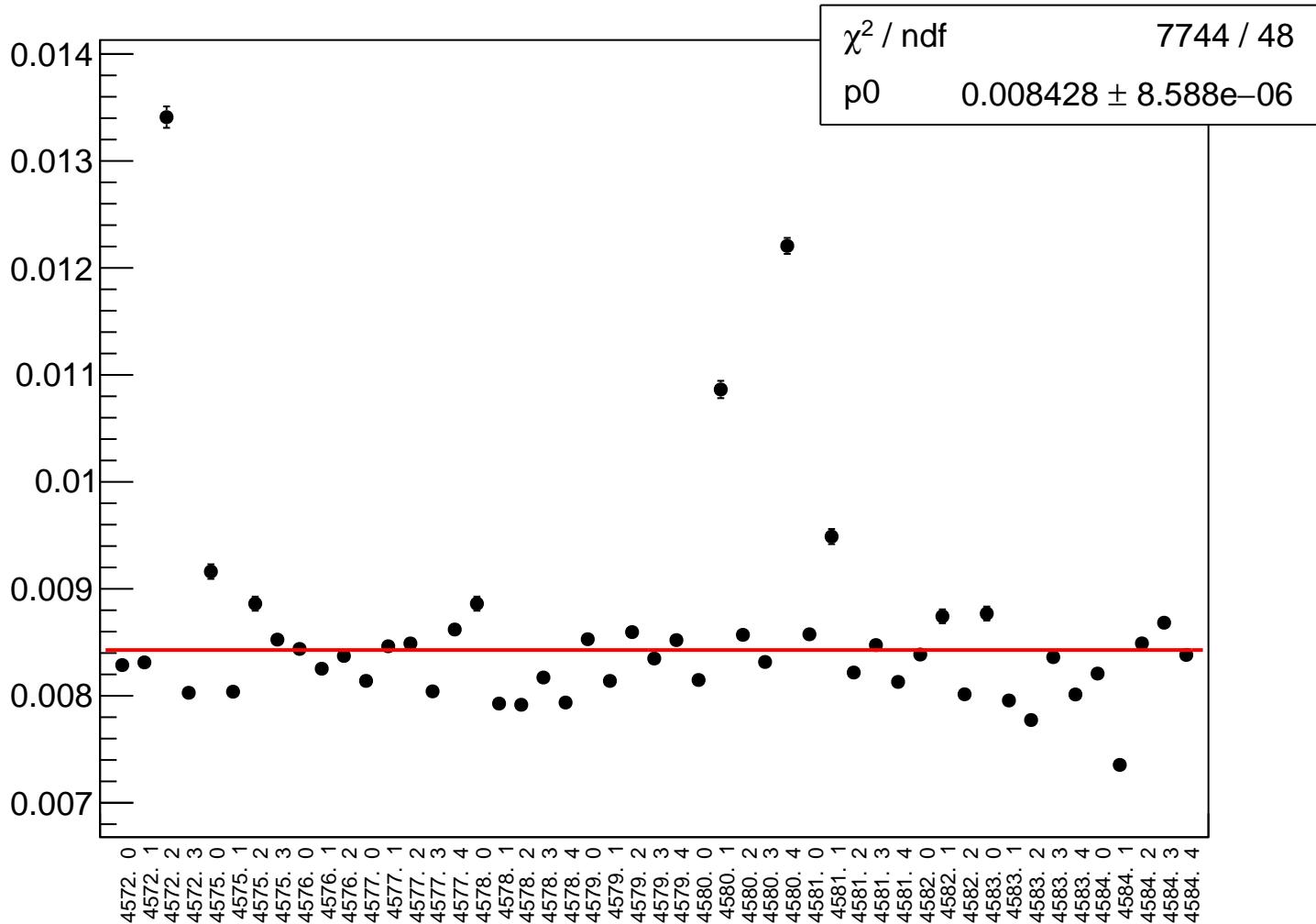
# yield\_bpm16Y\_rms vs run



# yield\_bpm2i01X\_mean vs run

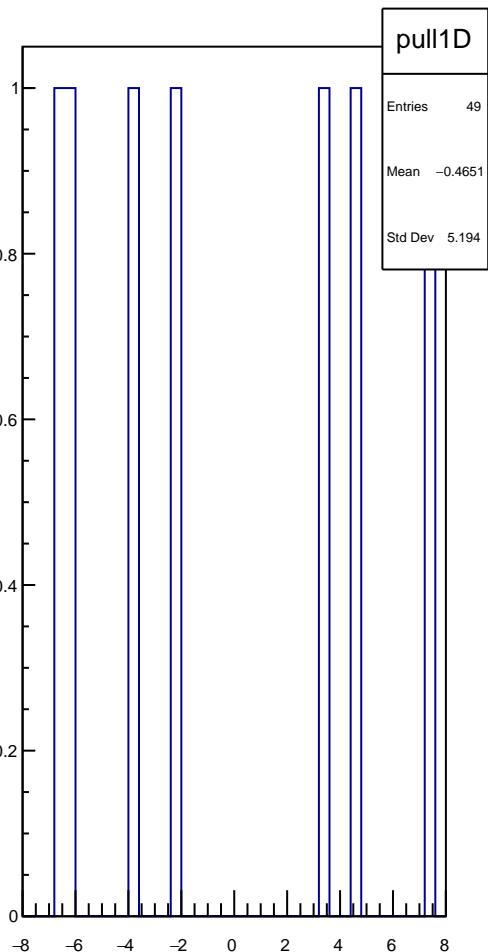
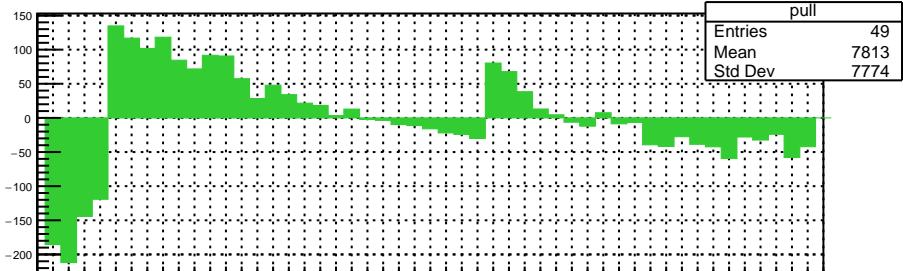
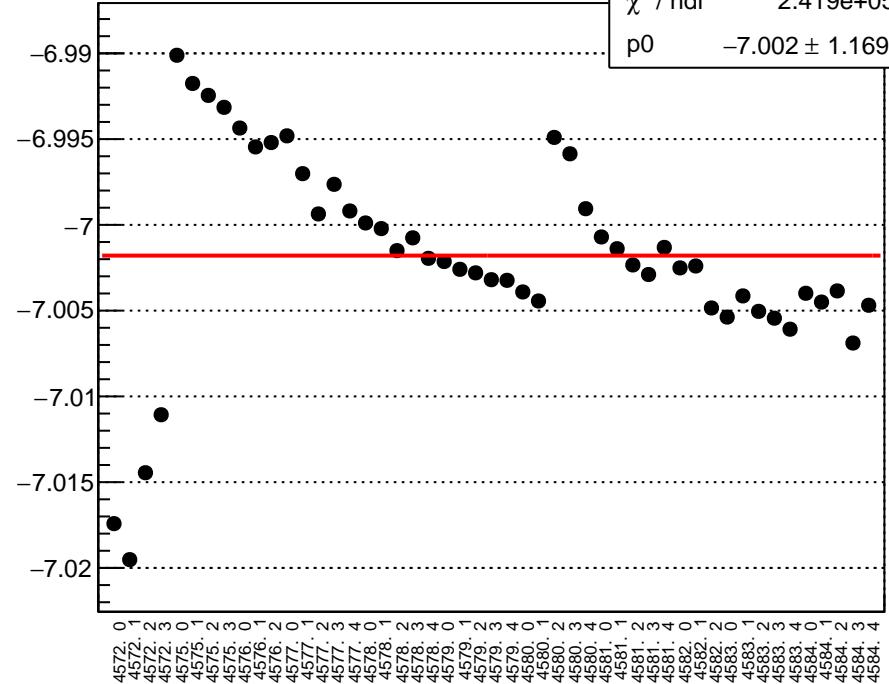


# yield\_bpm2i01X\_rms vs run

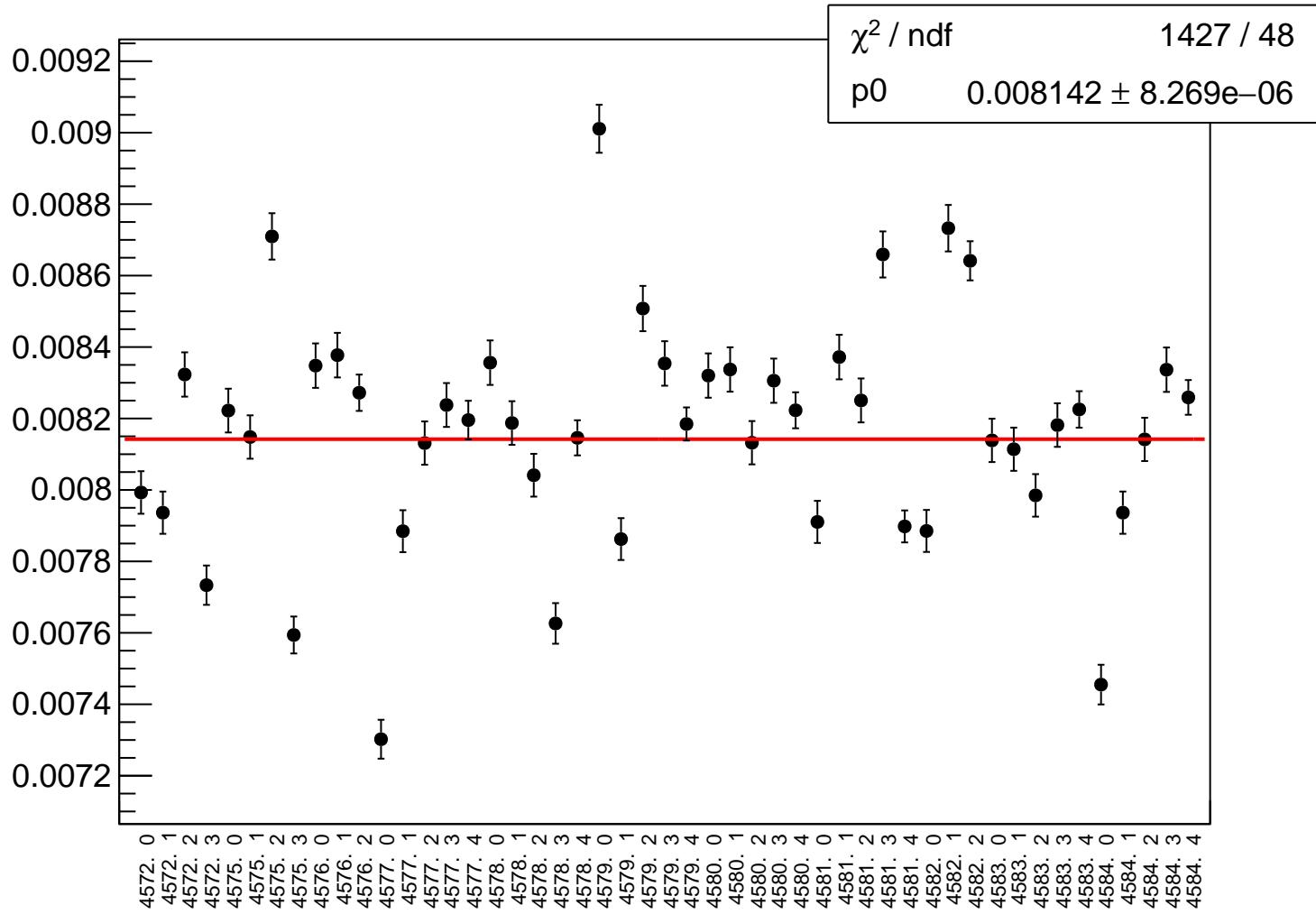


# yield\_bpm2i01Y\_mean vs run

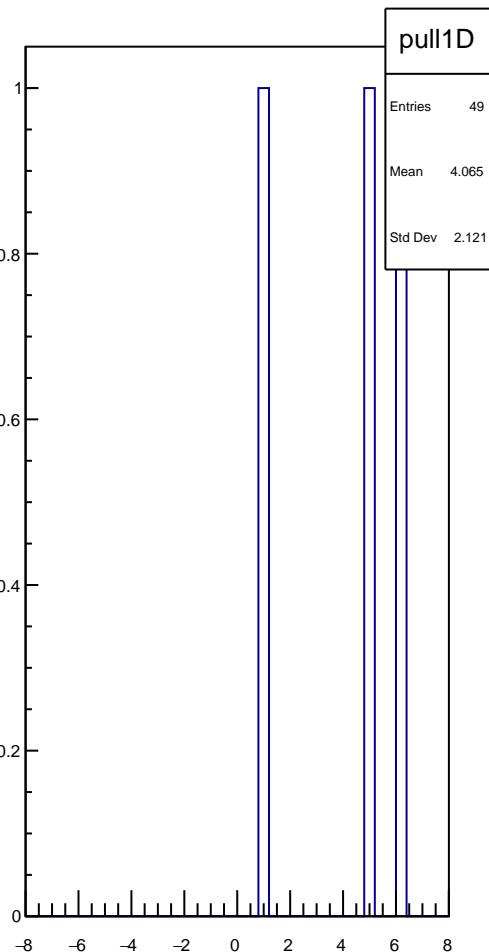
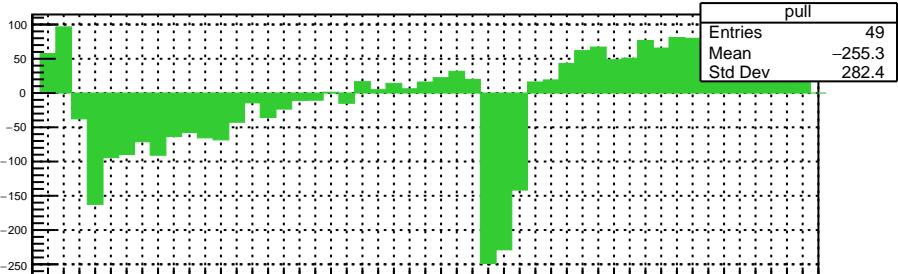
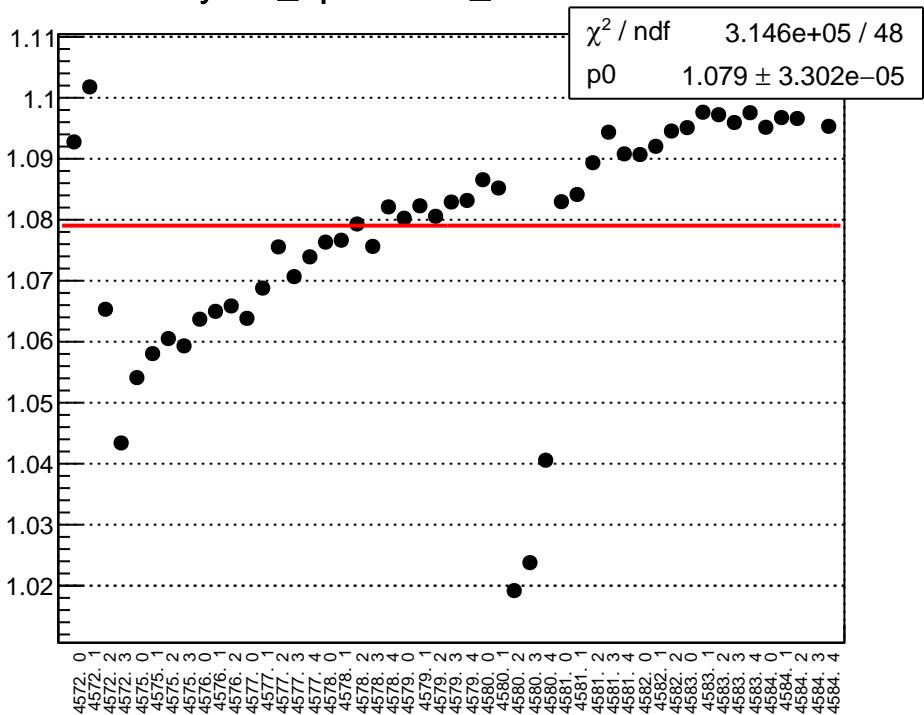
$\chi^2 / \text{ndf}$  2.419e+05 / 48  
 $p_0$   $-7.002 \pm 1.169\text{e}{-05}$



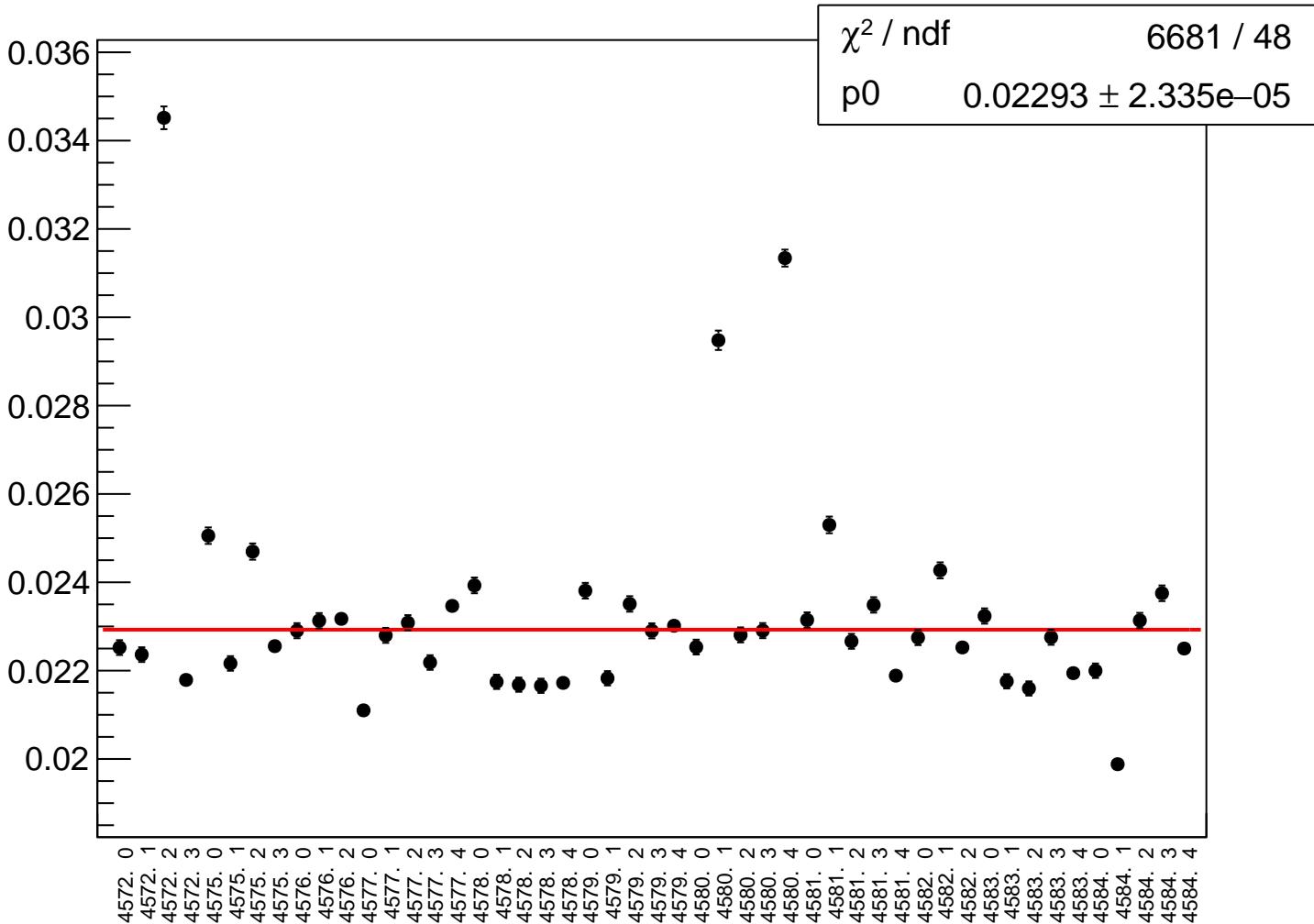
# yield\_bpm2i01Y\_rms vs run



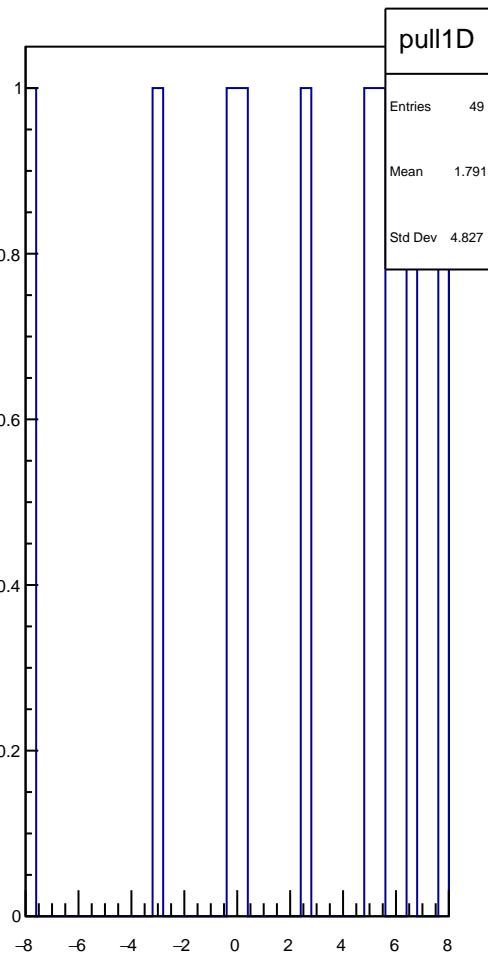
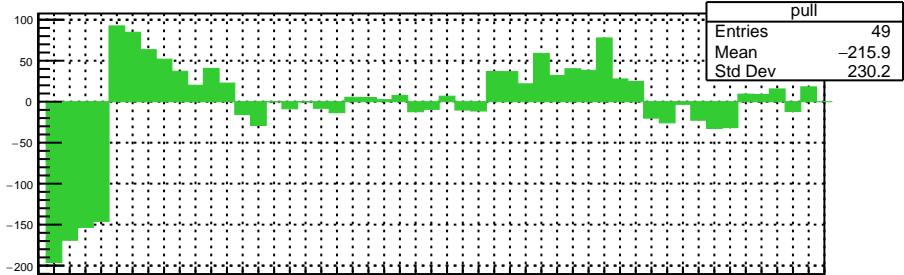
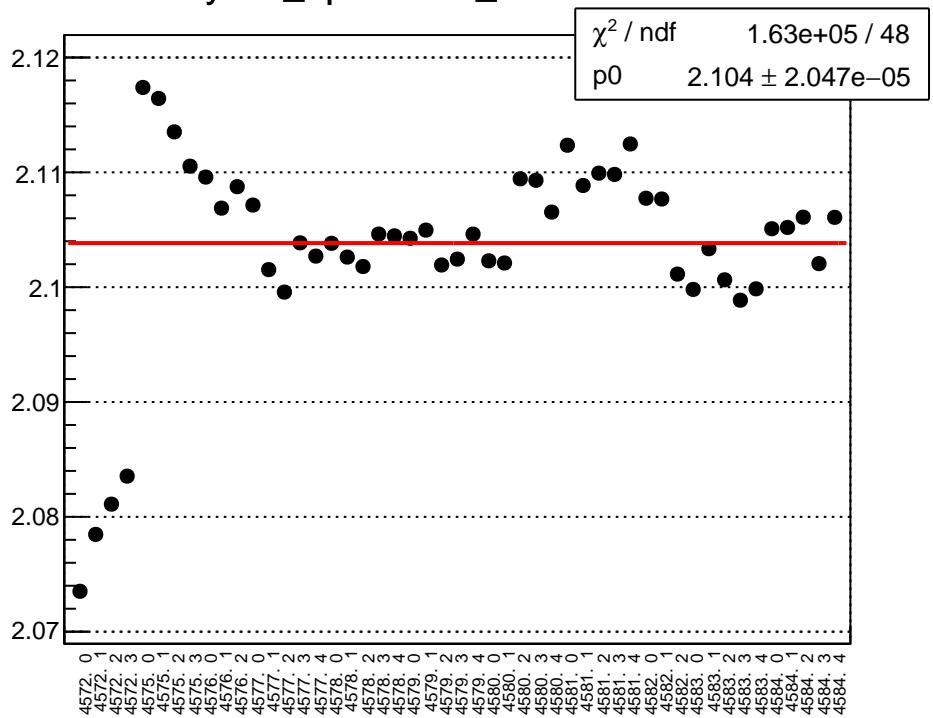
# yield\_bpm2i02X\_mean vs run



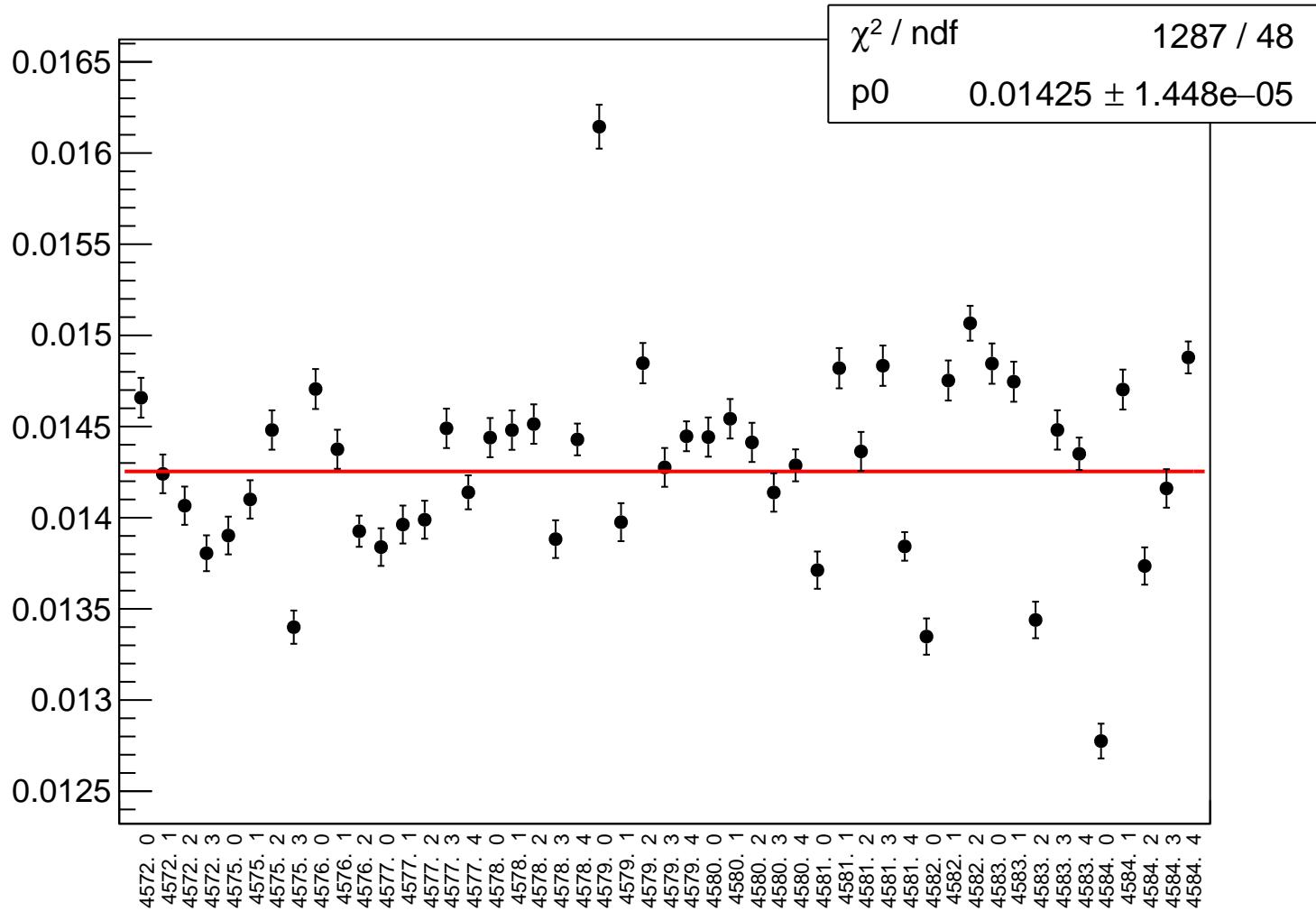
# yield\_bpm2i02X\_rms vs run



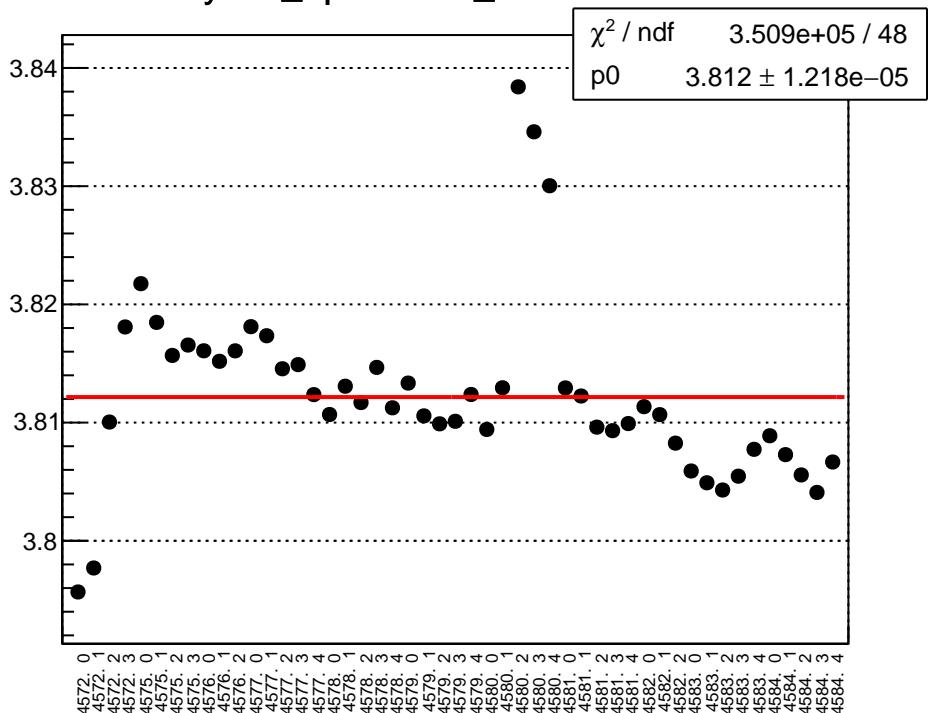
# yield\_bpm2i02Y\_mean vs run



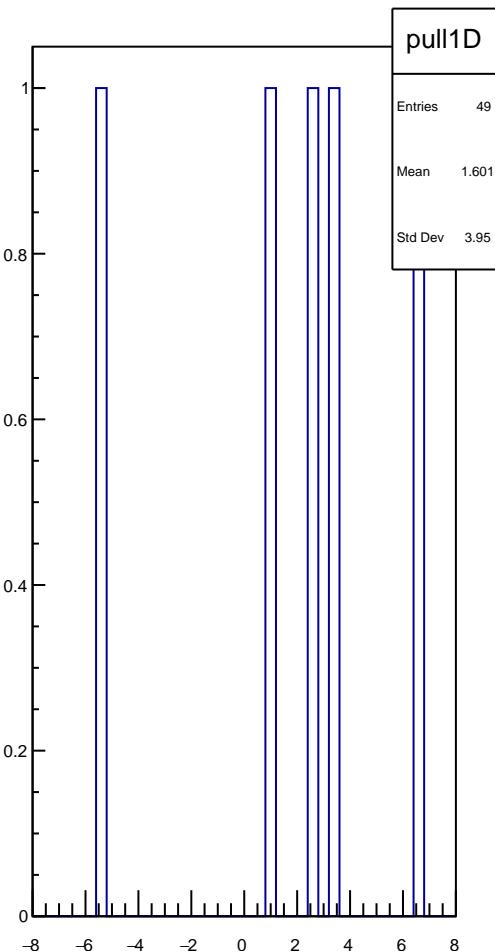
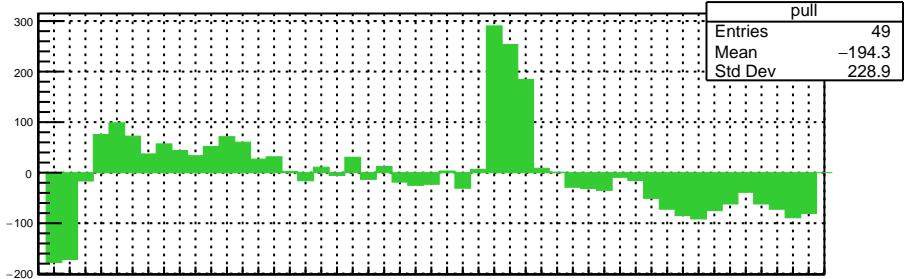
# yield\_bpm2i02Y\_rms vs run



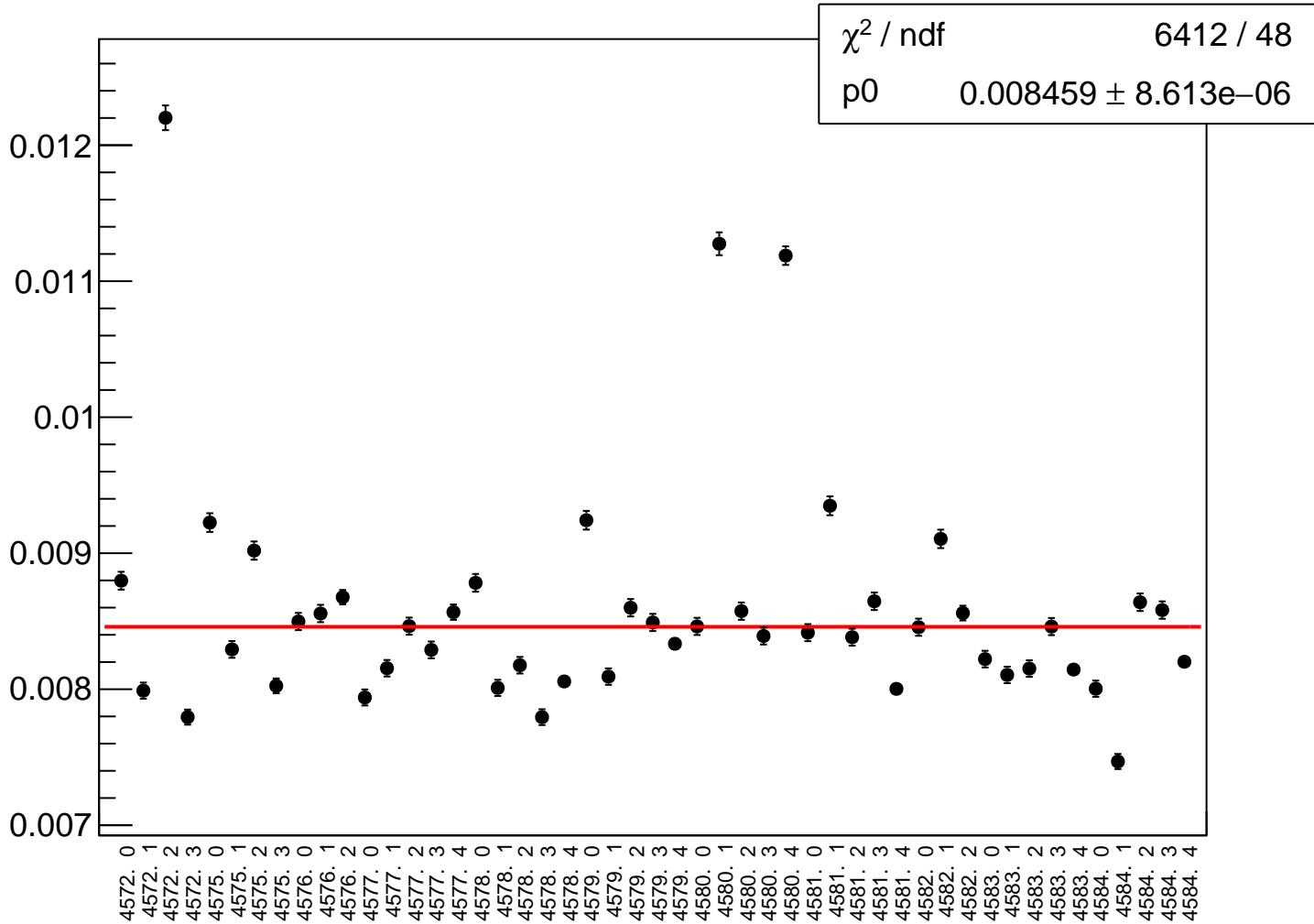
# yield\_bpm1i04X\_mean vs run



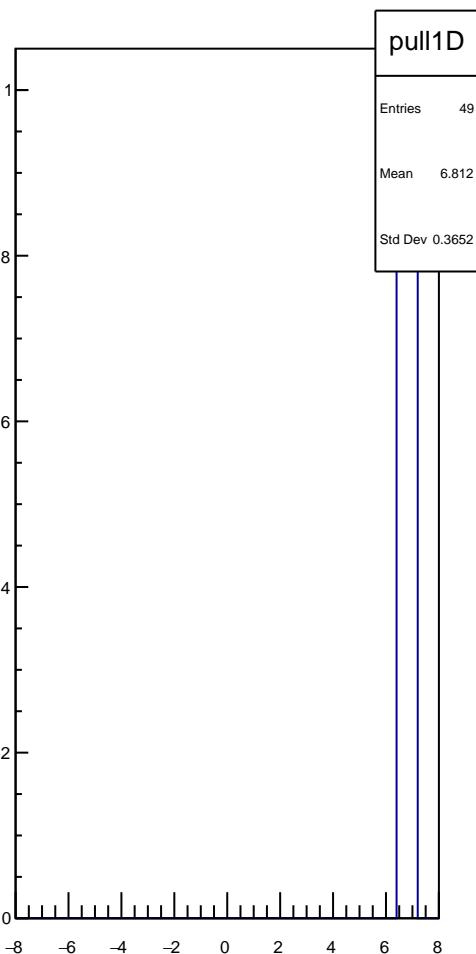
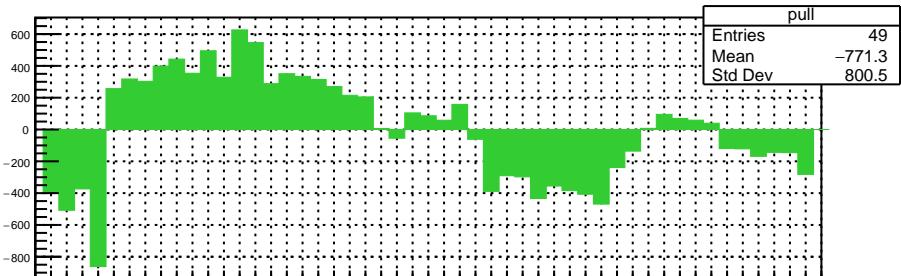
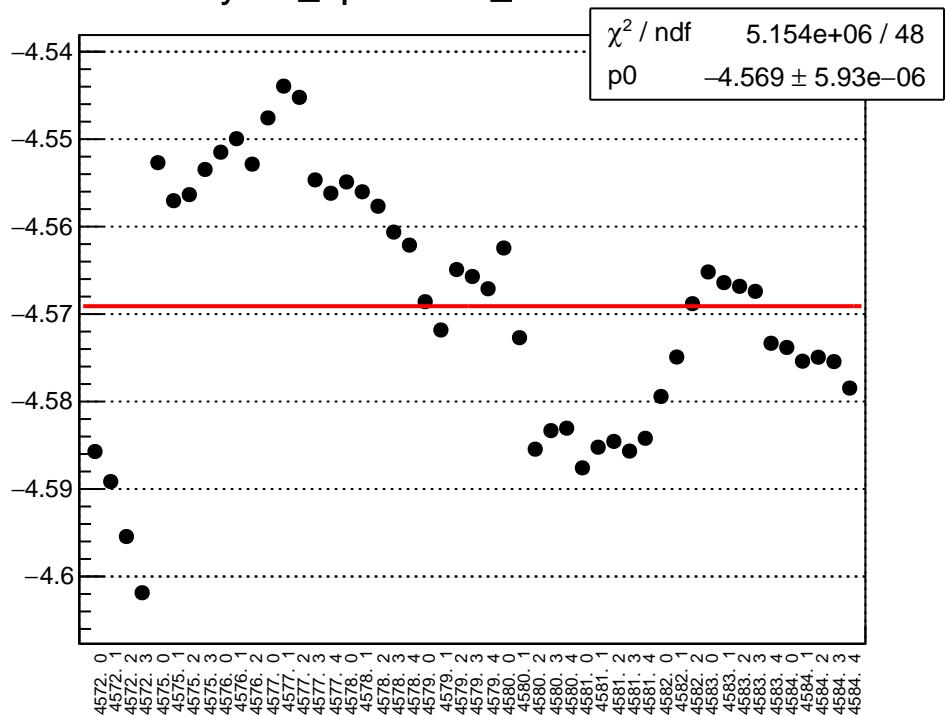
$\chi^2 / \text{ndf}$  3.509e+05 / 48  
 p0  $3.812 \pm 1.218\text{e}{-}05$



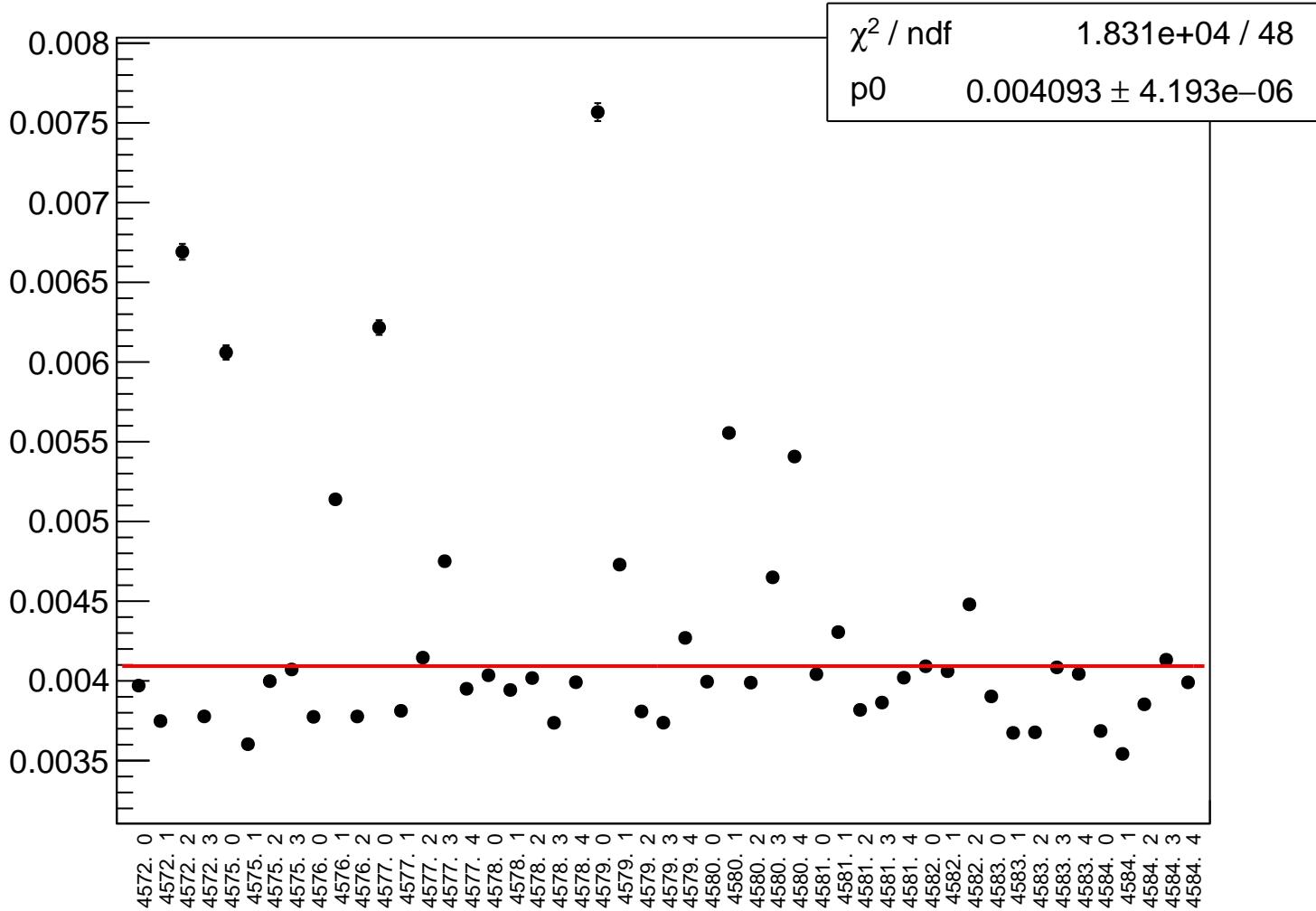
# yield\_bpm1i04X\_rms vs run

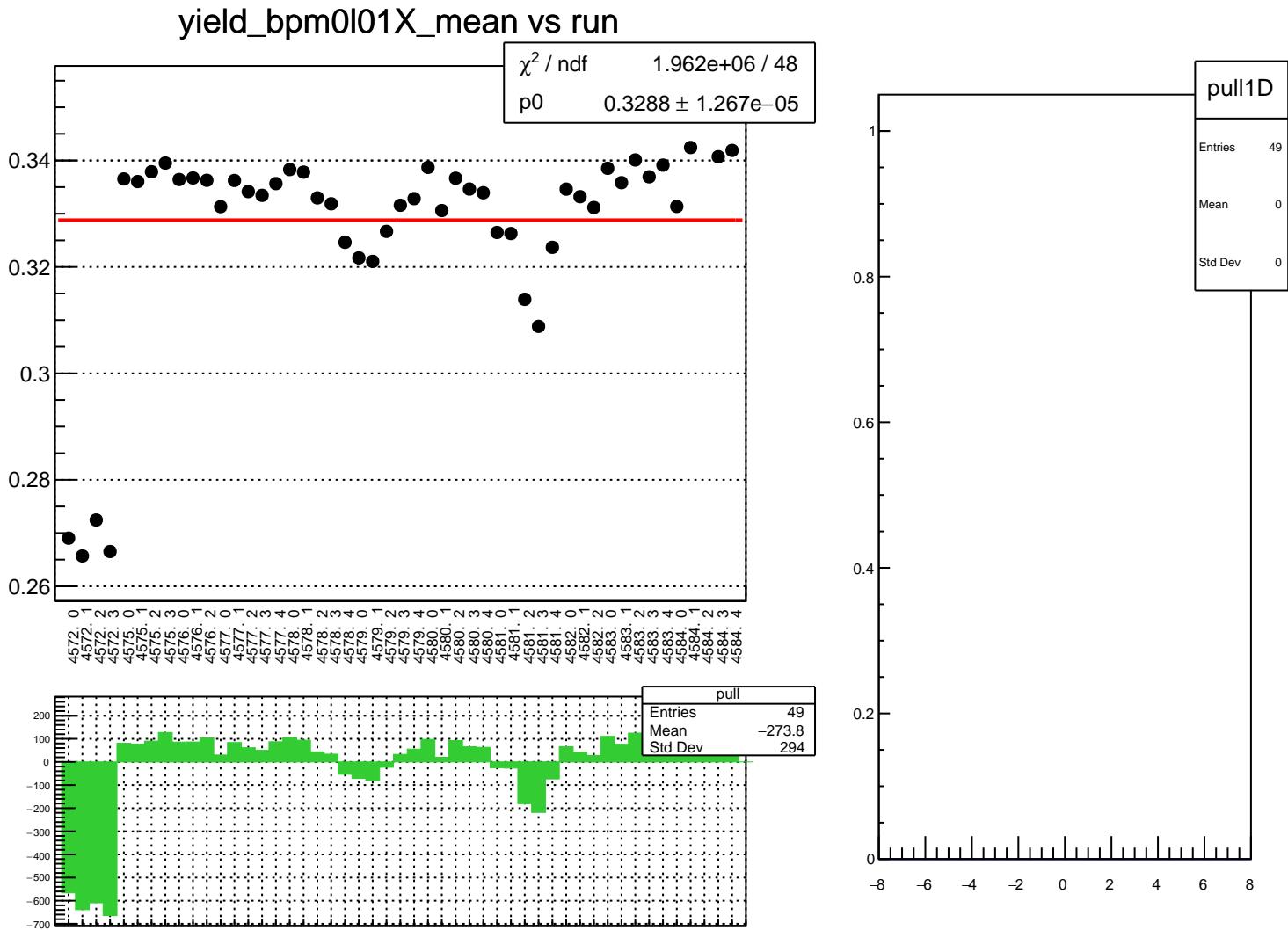


# yield\_bpm1i04Y\_mean vs run

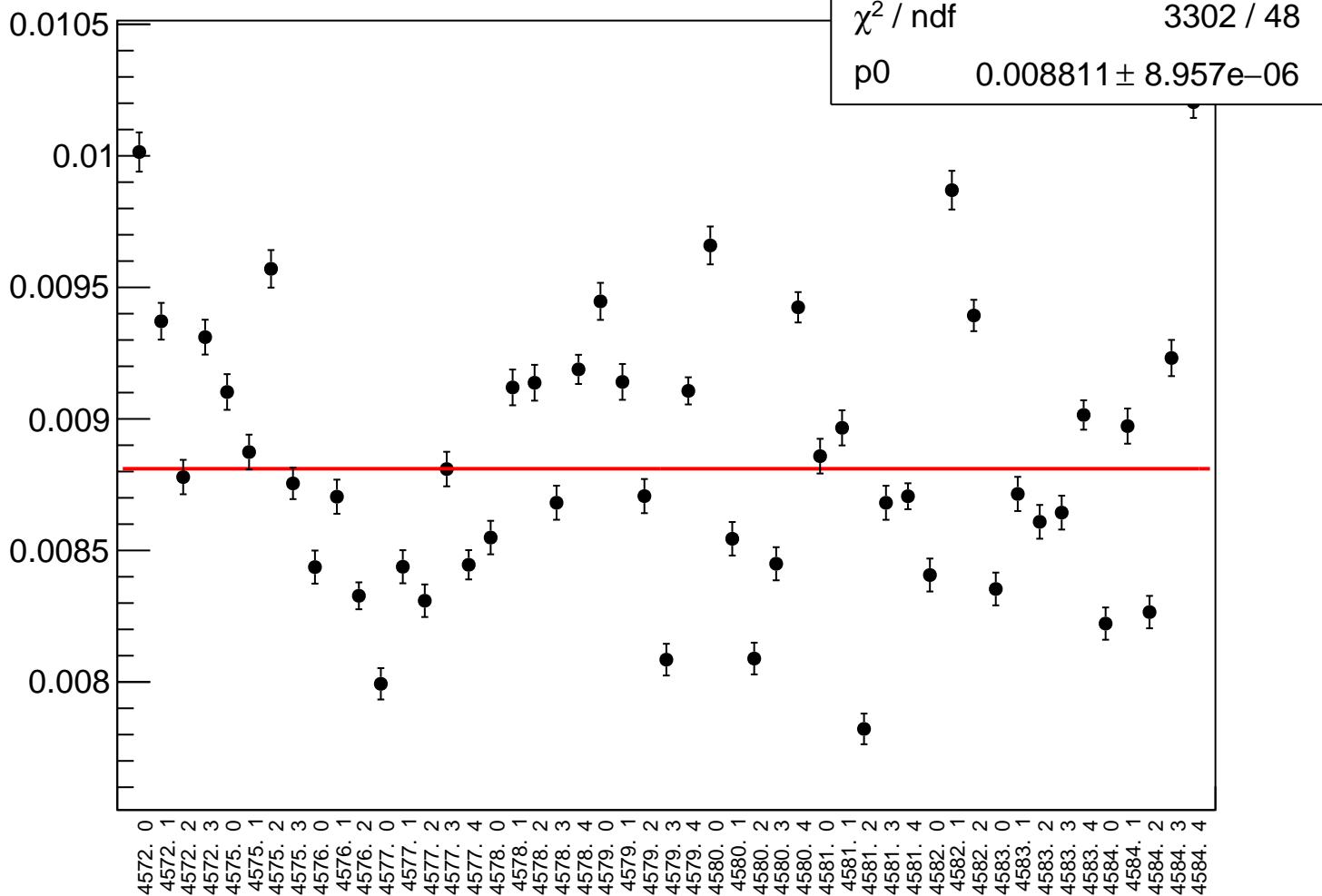


# yield\_bpm1i04Y\_rms vs run



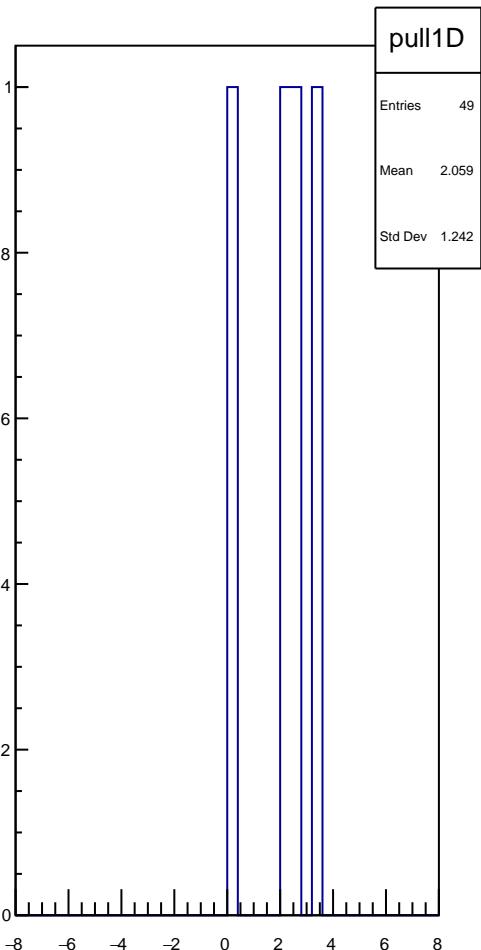
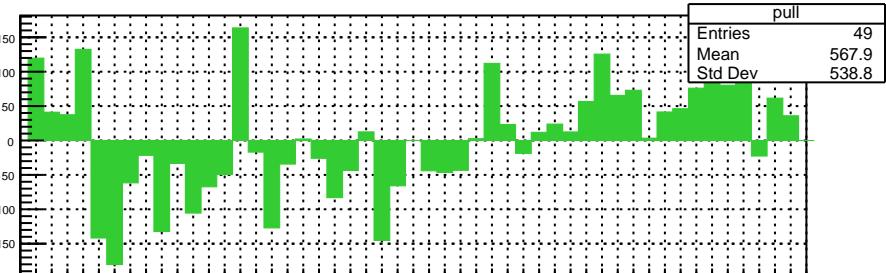
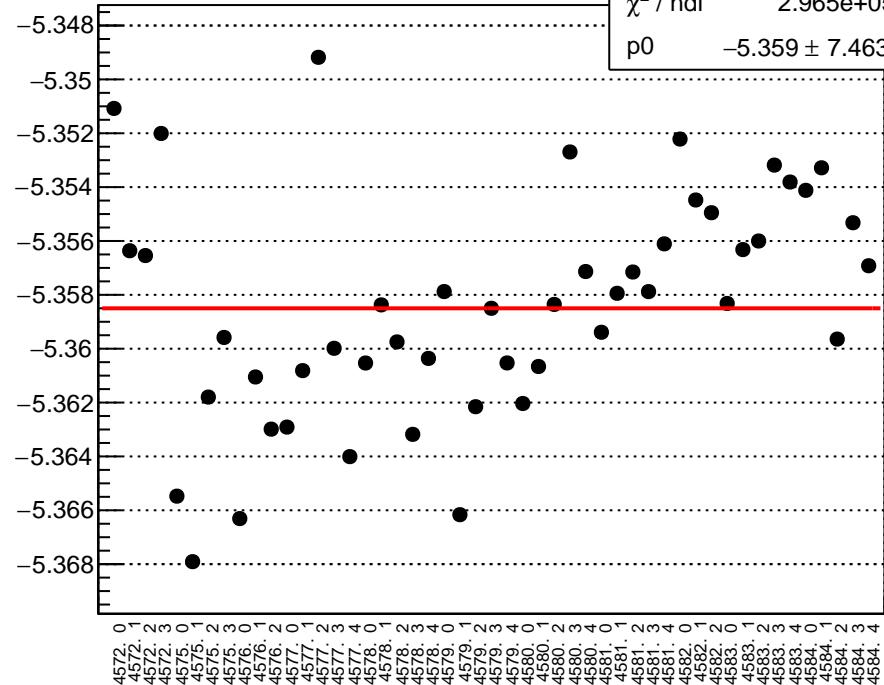


# yield\_bpm0l01X\_rms vs run

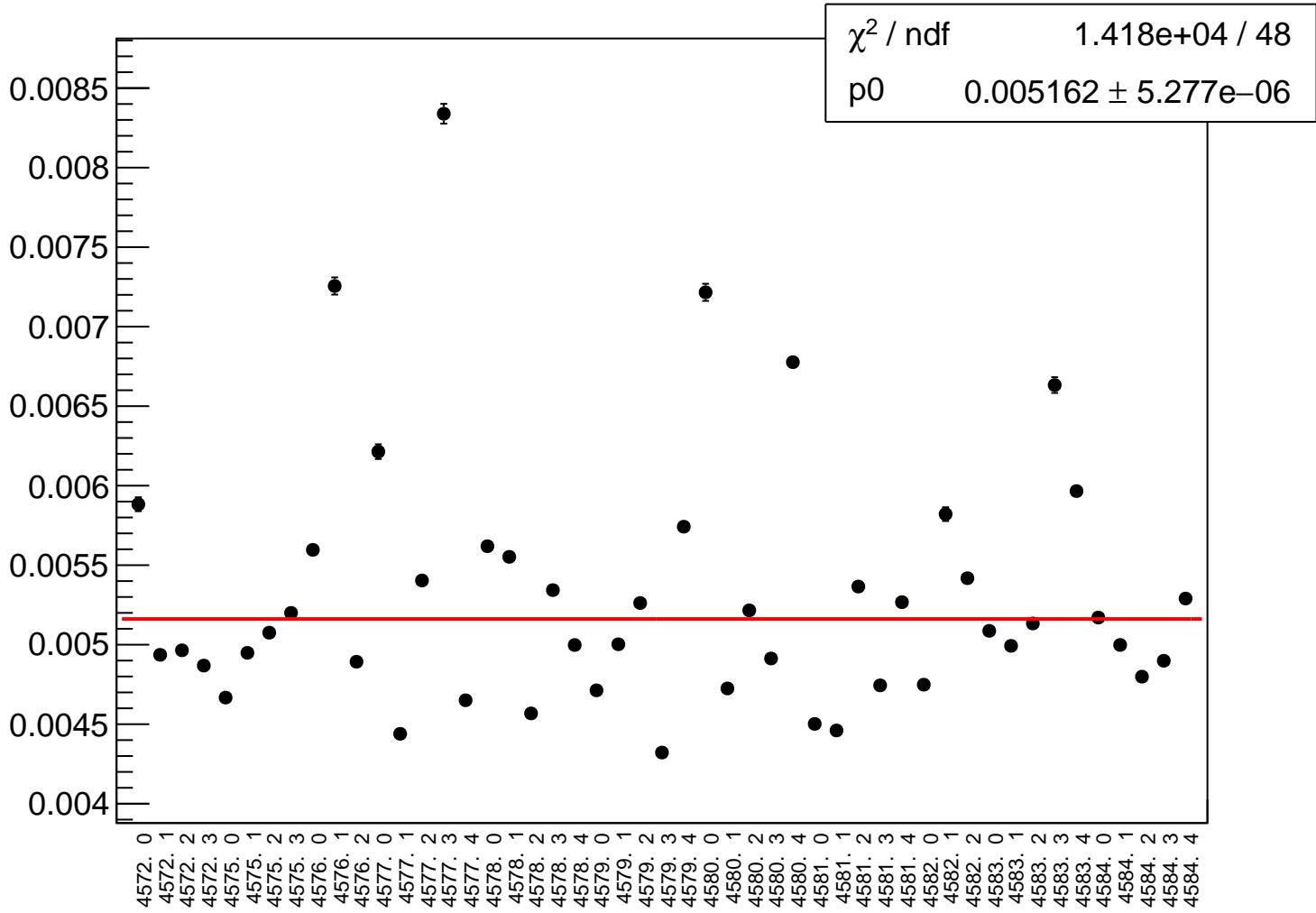


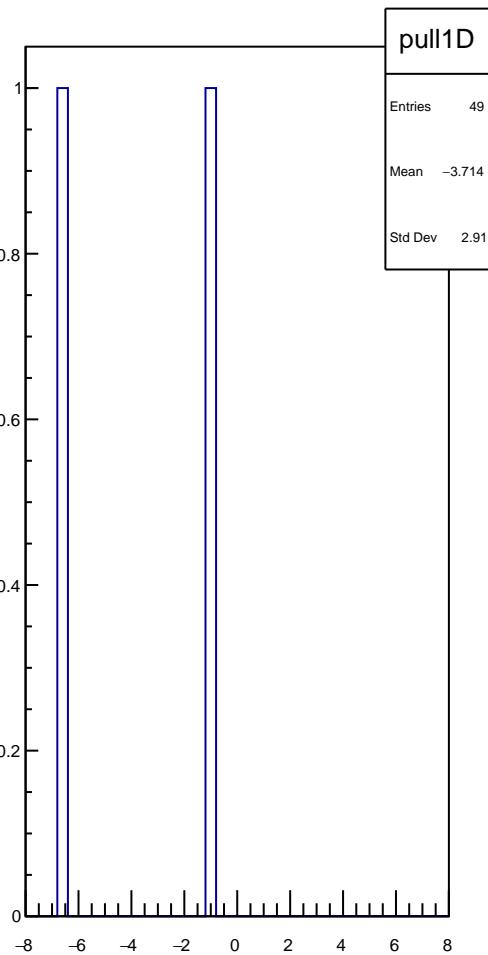
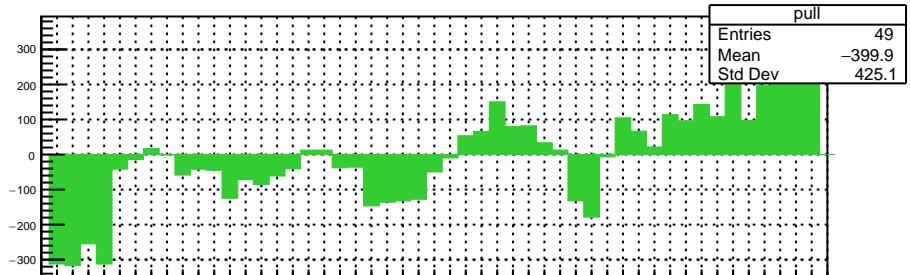
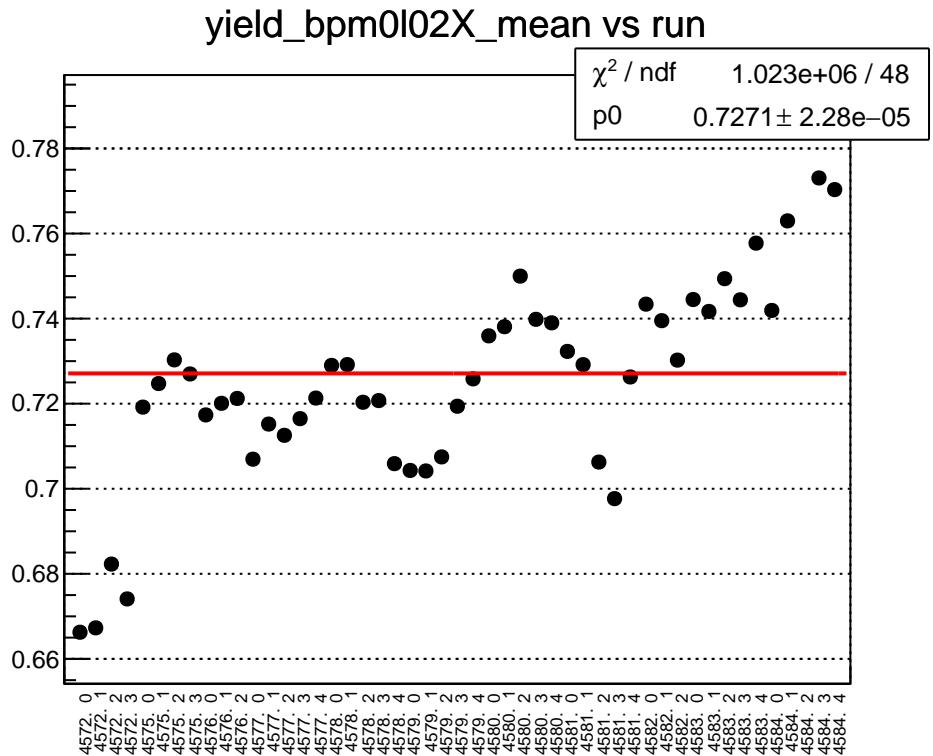
# yield\_bpm0I01Y\_mean vs run

$\chi^2 / \text{ndf}$  2.965e+05 / 48  
 $p_0$   $-5.359 \pm 7.463\text{e}{-06}$

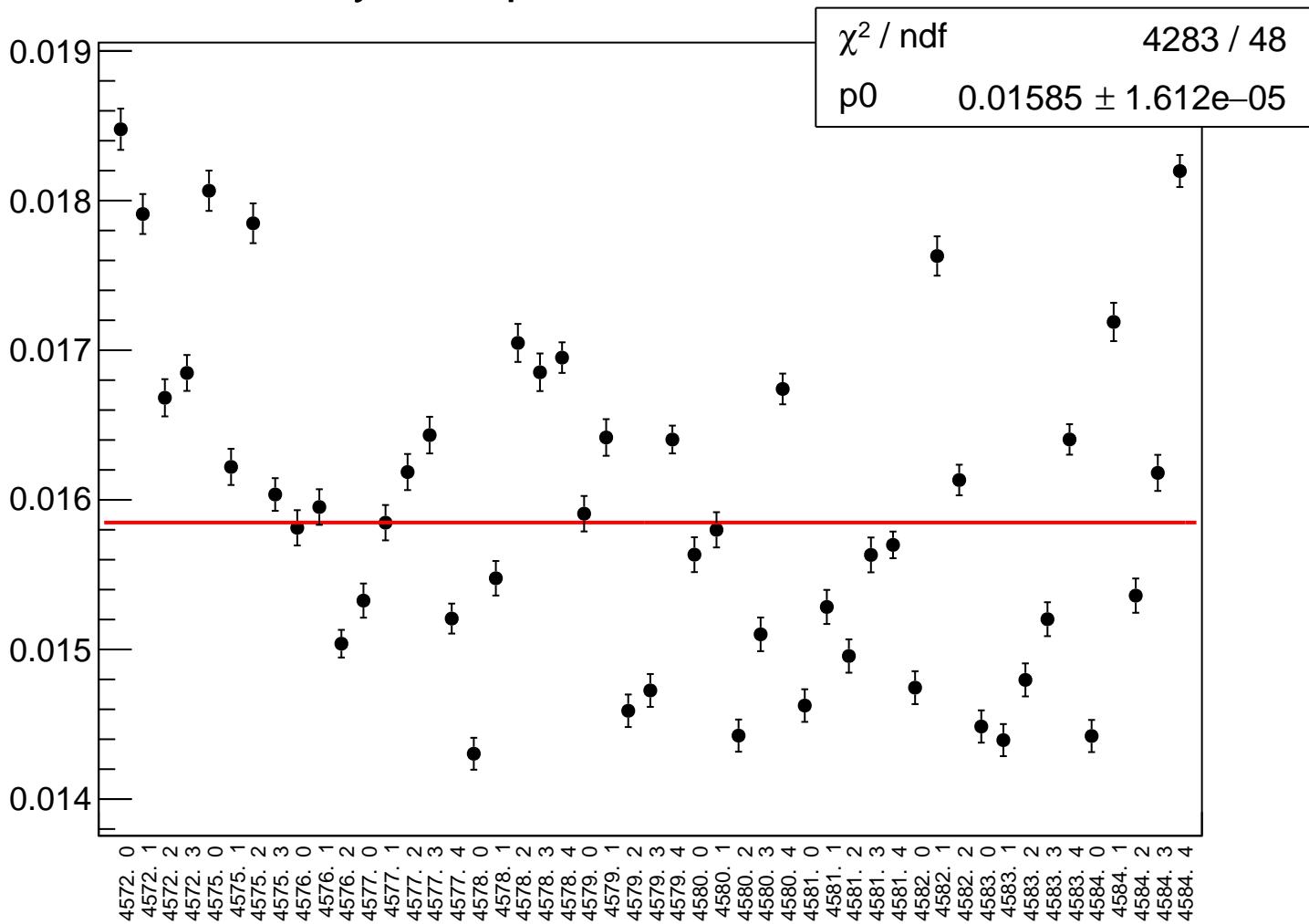


# yield\_bpm0l01Y\_rms vs run

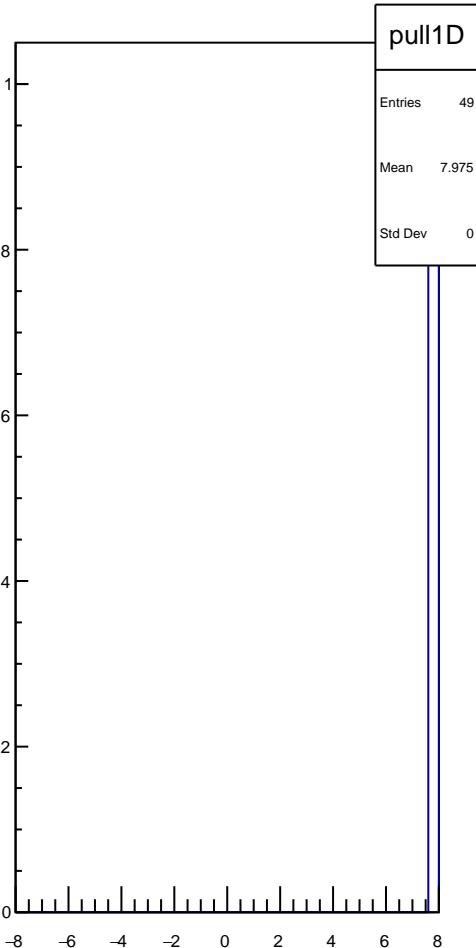
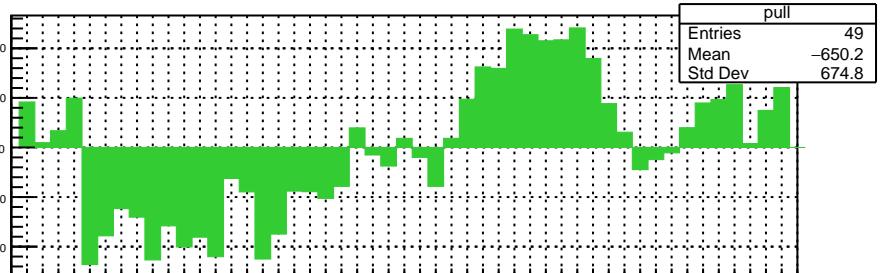
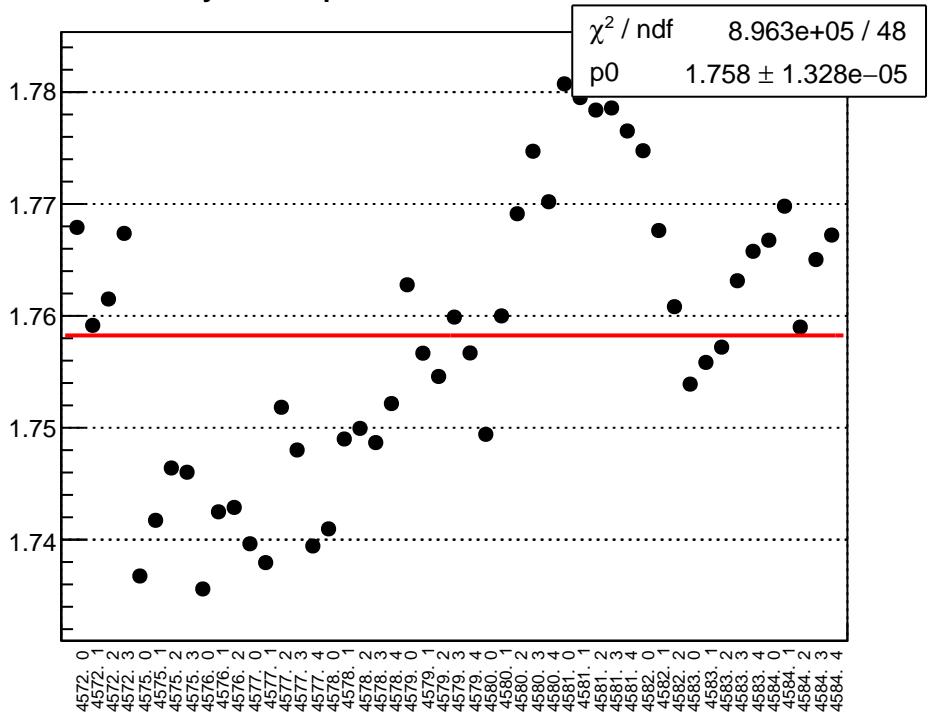




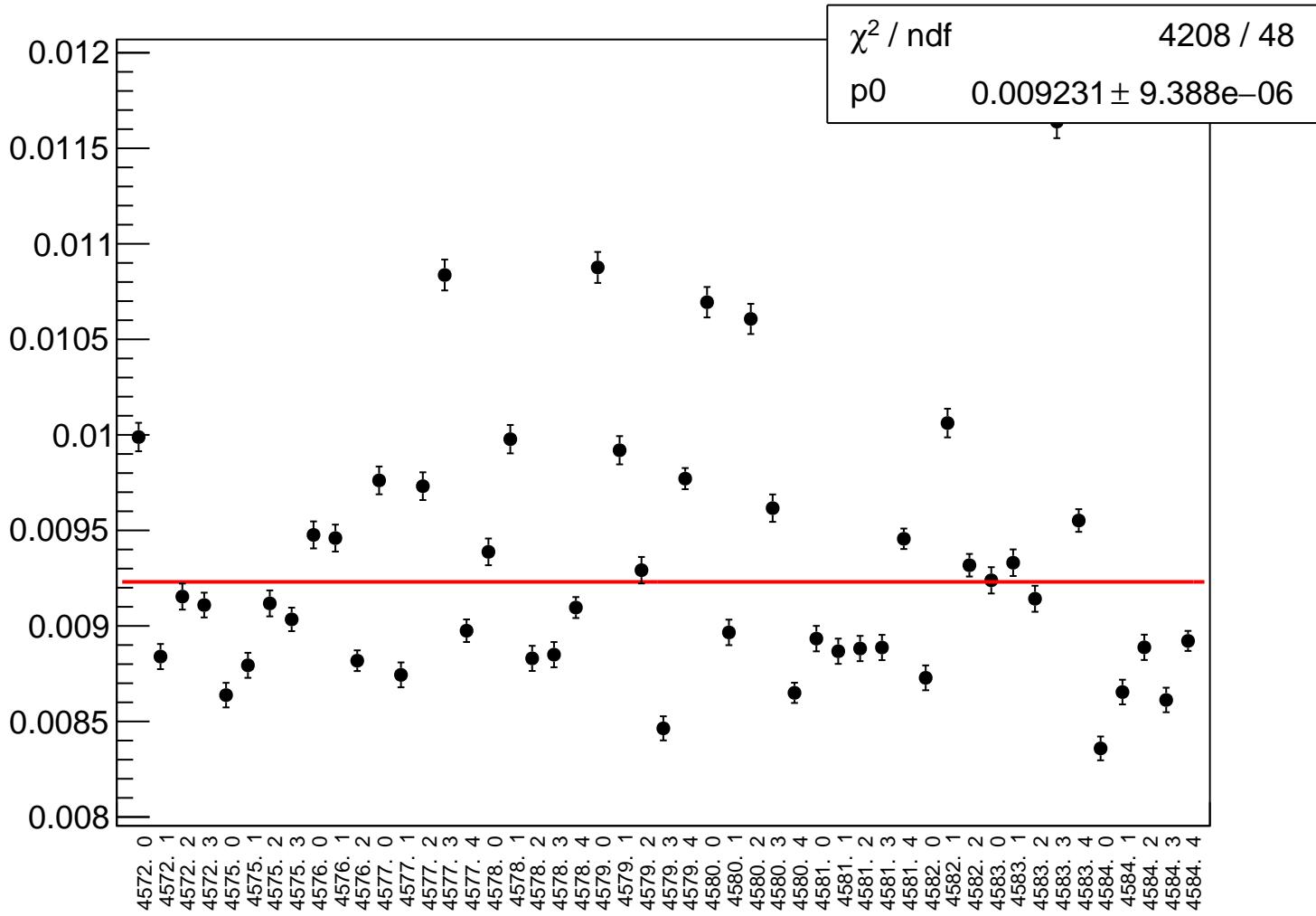
# yield\_bpm0l02X\_rms vs run



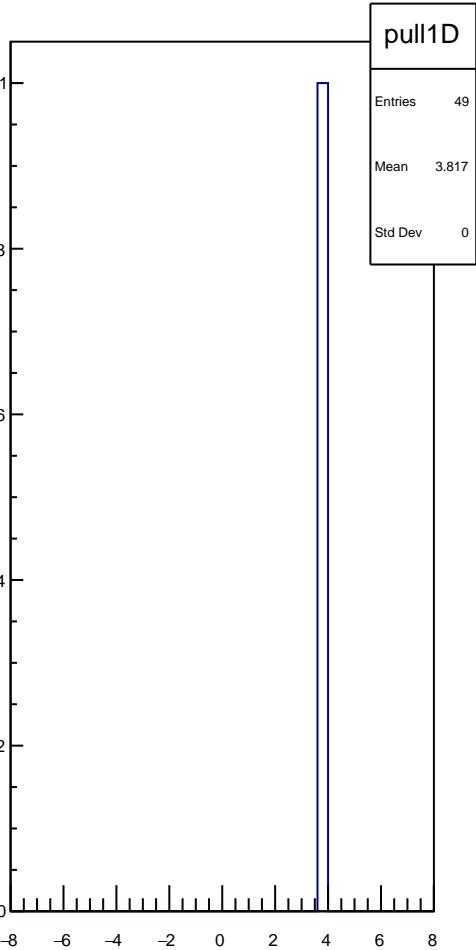
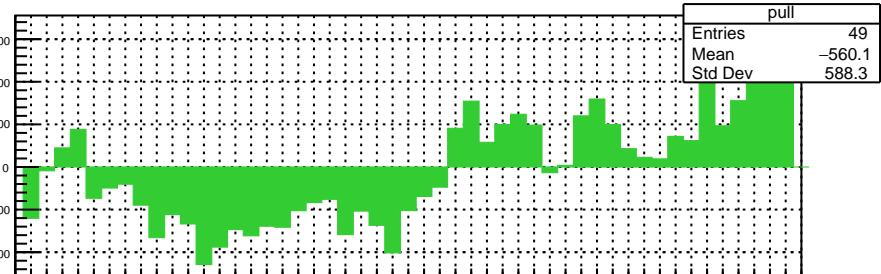
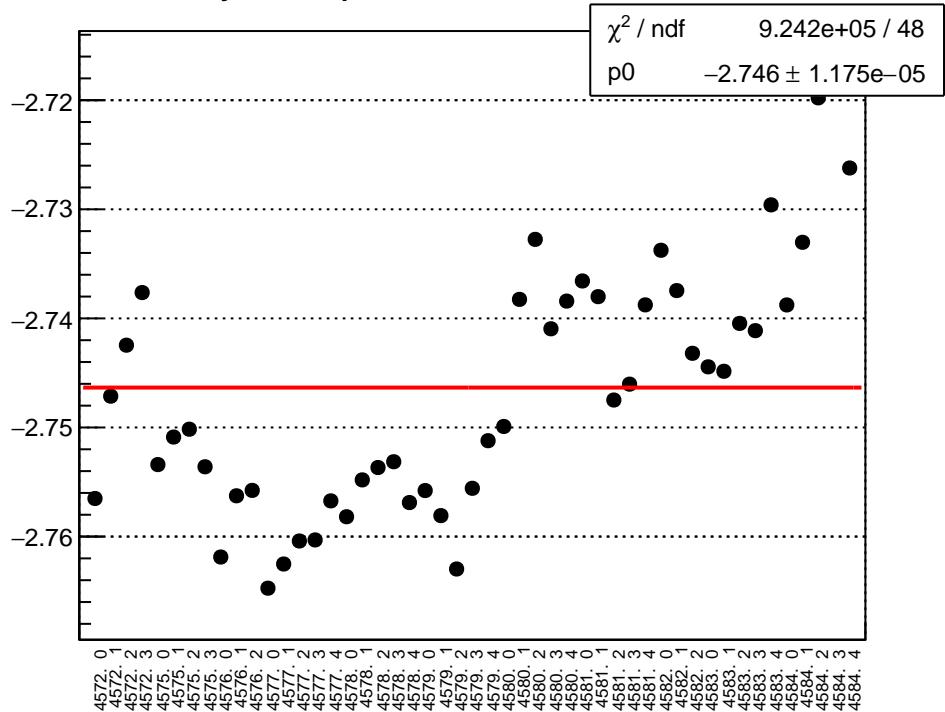
# yield\_bpm0I02Y\_mean vs run



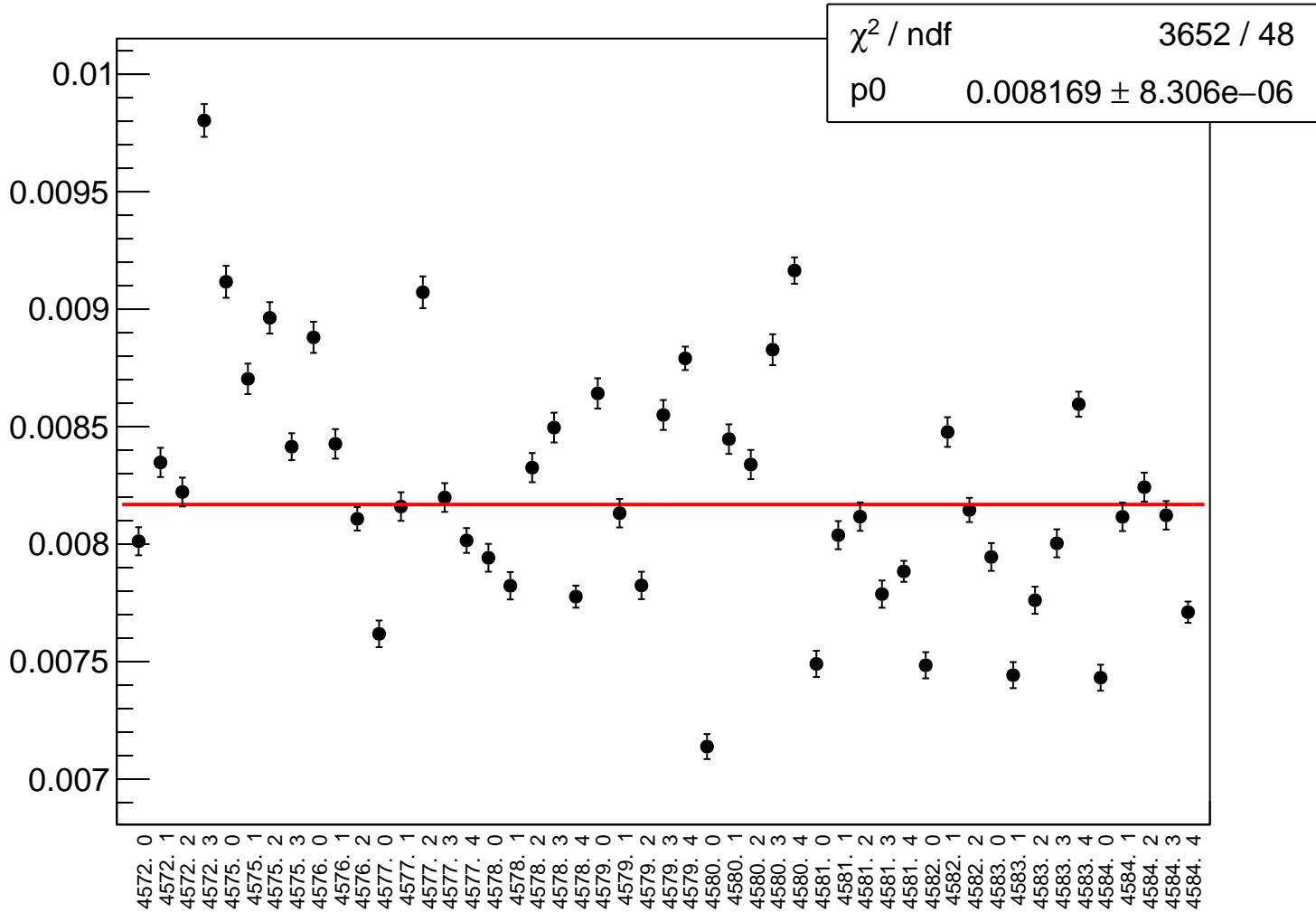
# yield\_bpm0l02Y\_rms vs run



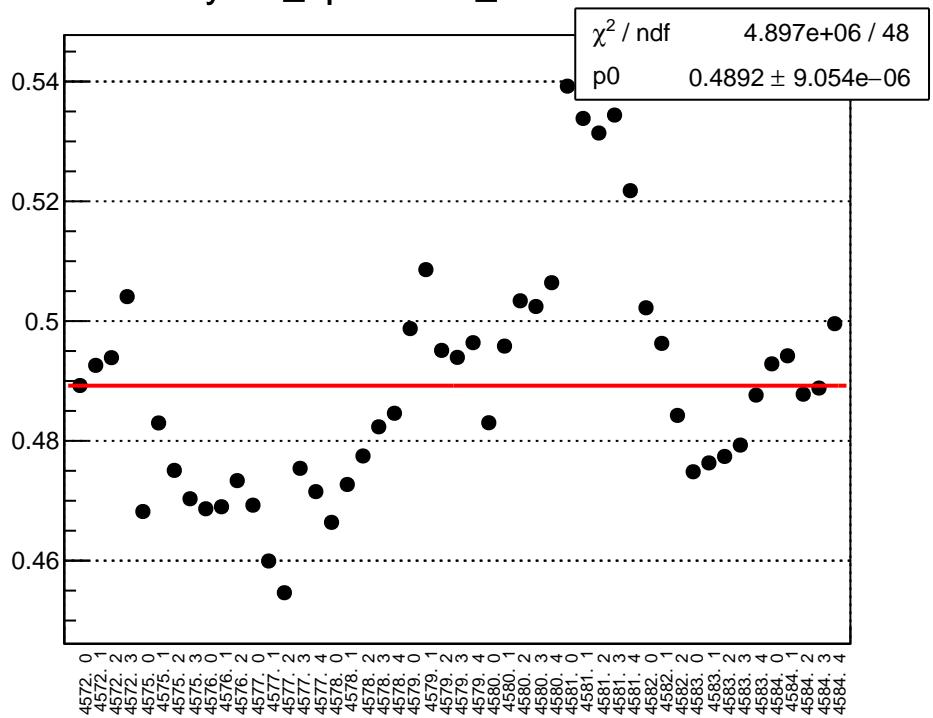
# yield\_bpm0l03X\_mean vs run



# yield\_bpm0l03X\_rms vs run



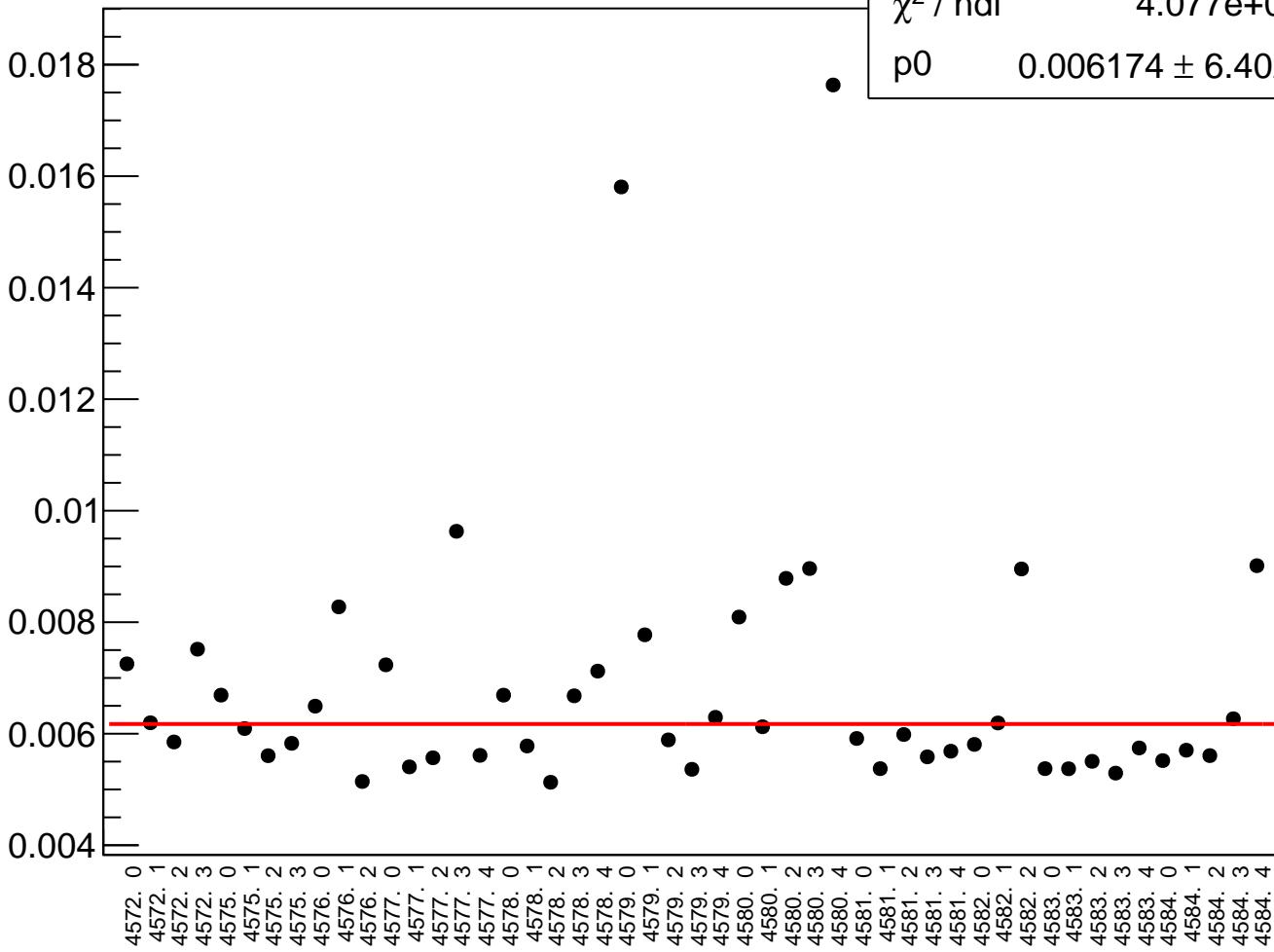
# yield\_bpm0I03Y\_mean vs run

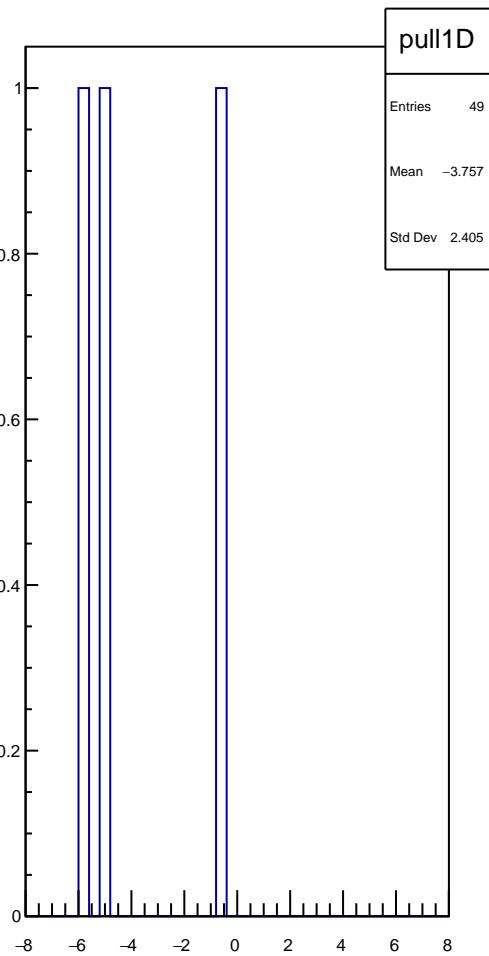
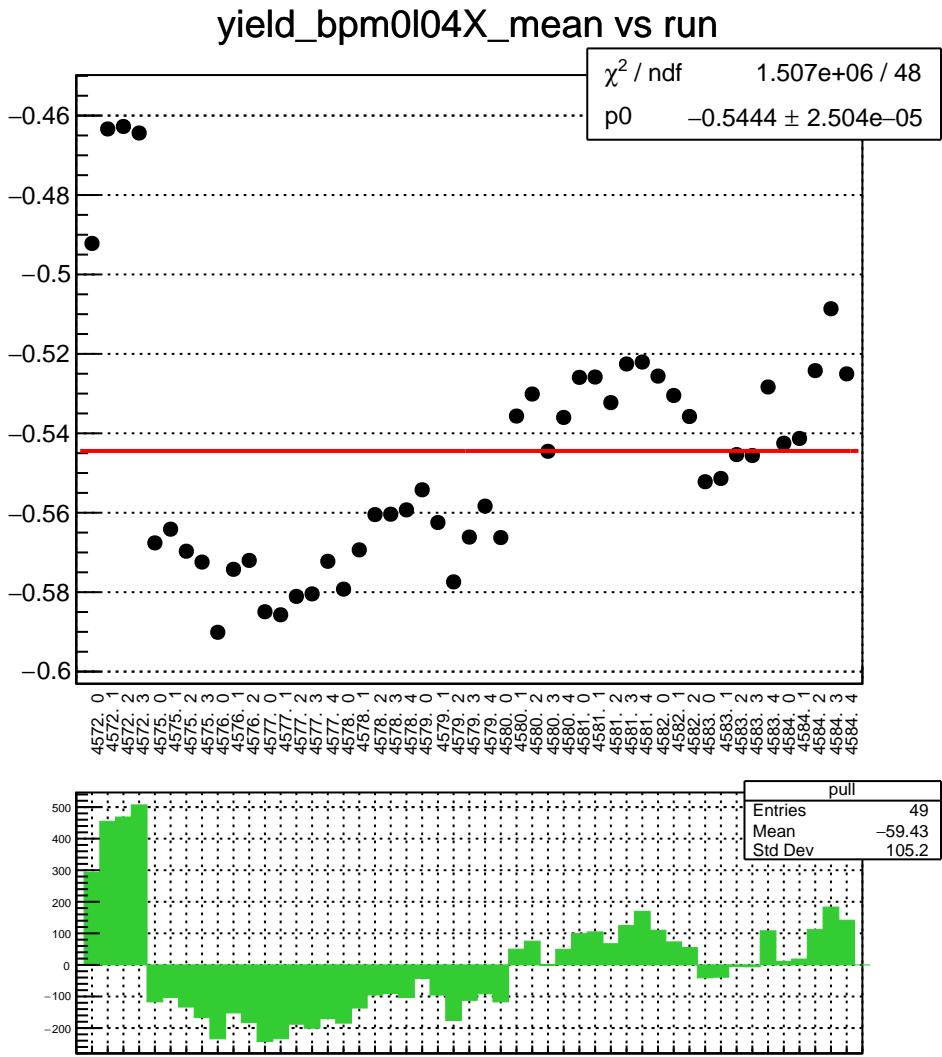


## yield\_bpm0I03Y\_rms vs run

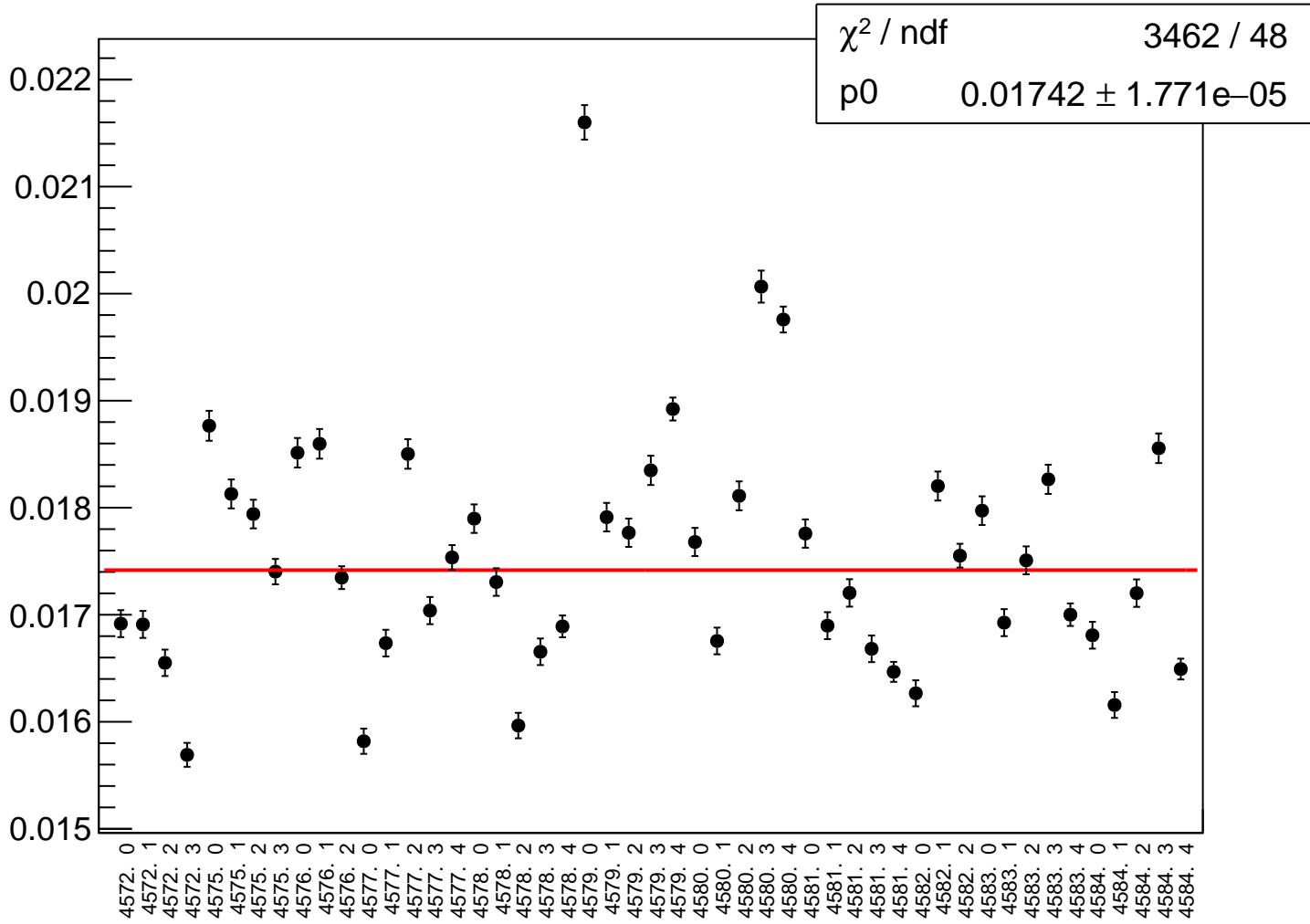
$\chi^2 / \text{ndf}$

p0 0.006174 ± 6.402e-06

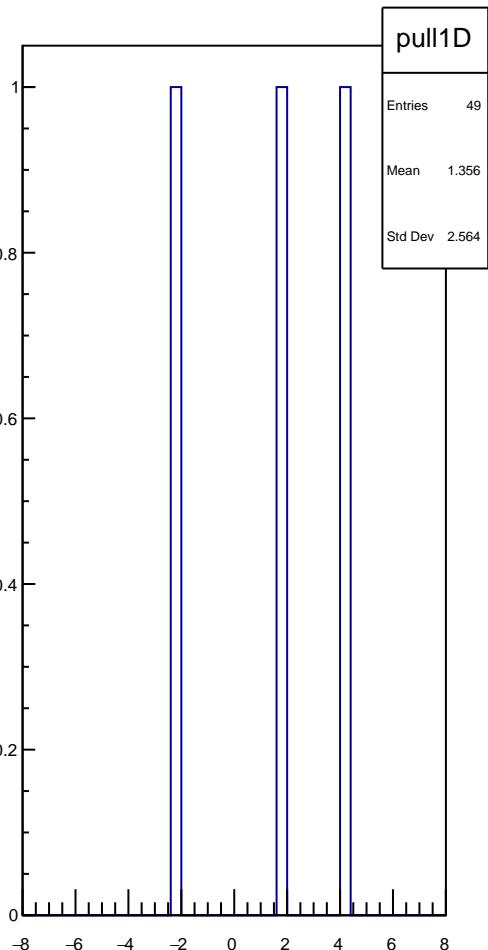
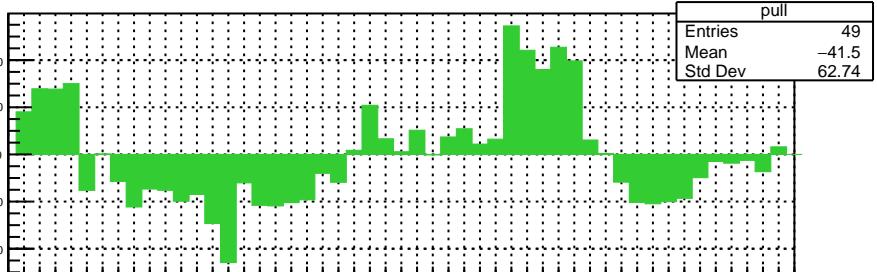
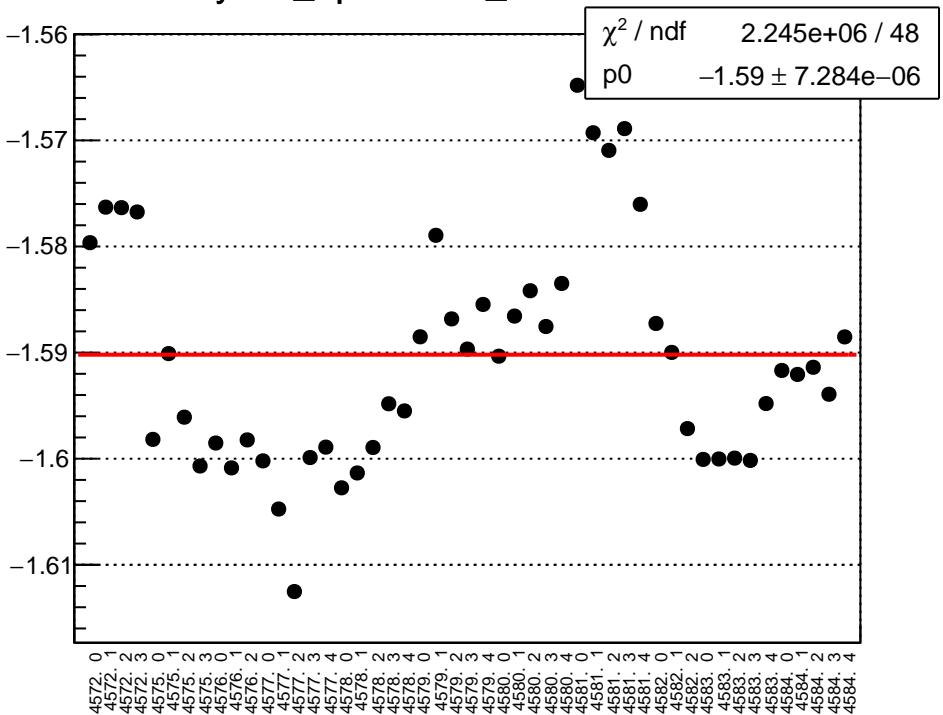




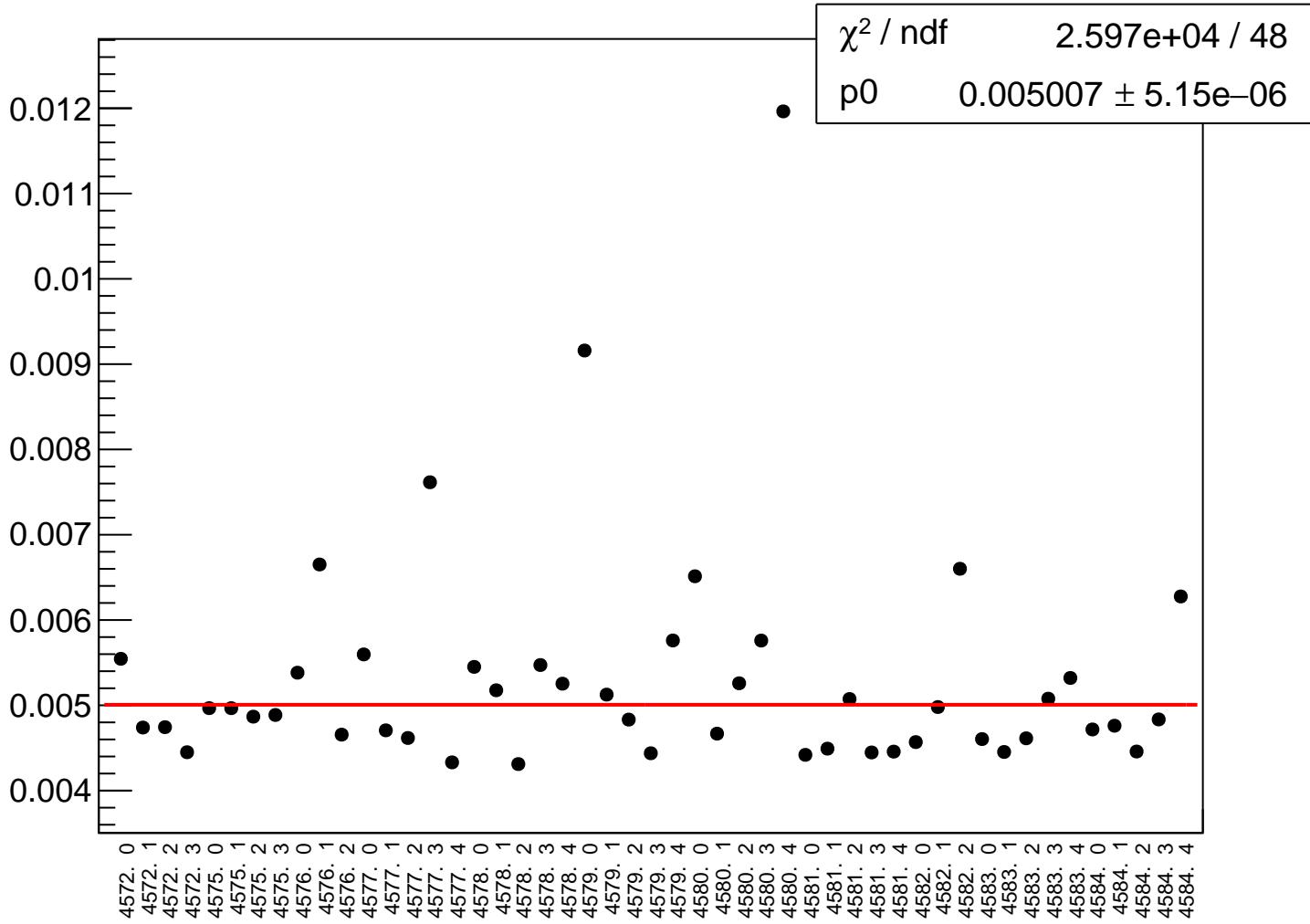
# yield\_bpm0l04X\_rms vs run



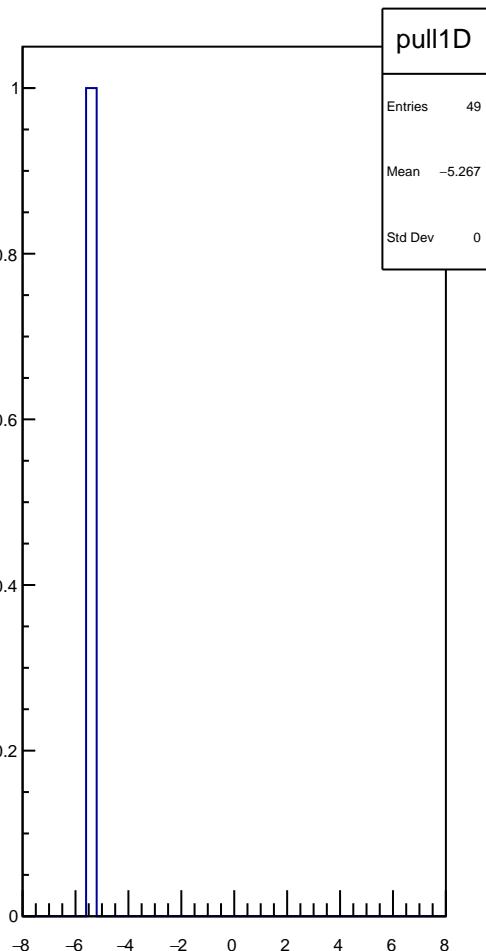
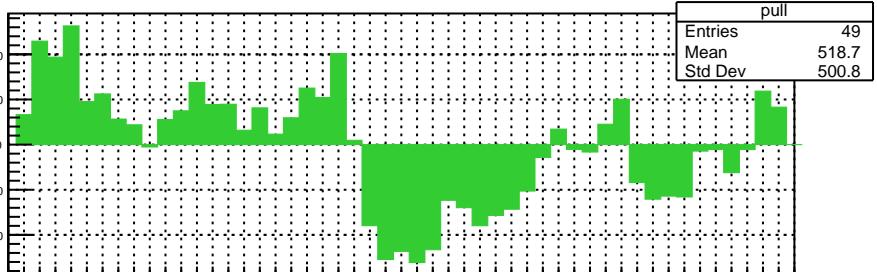
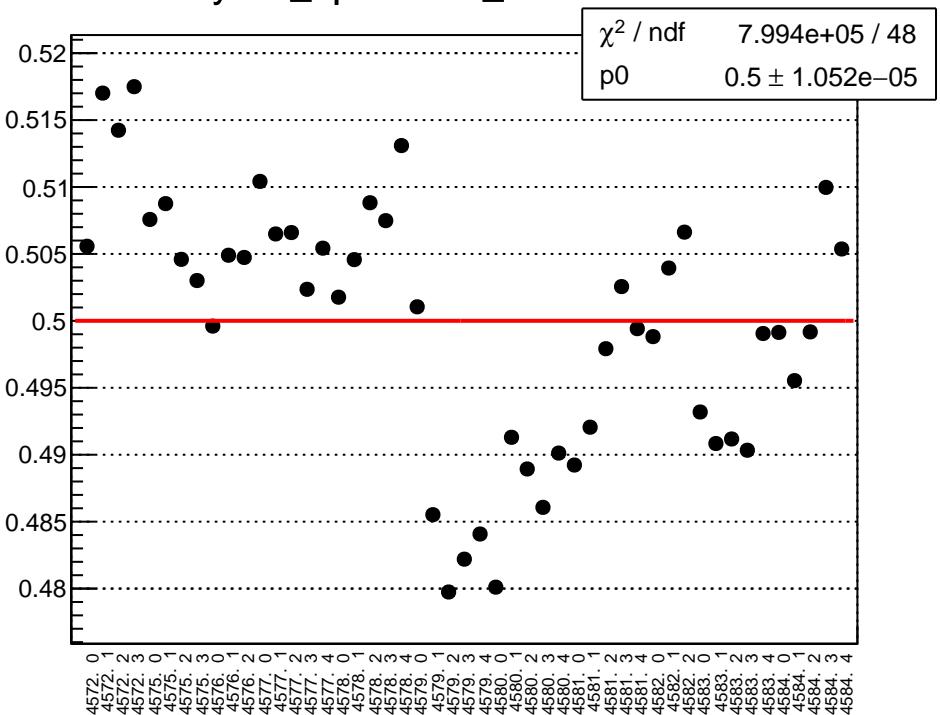
# yield\_bpm0I04Y\_mean vs run



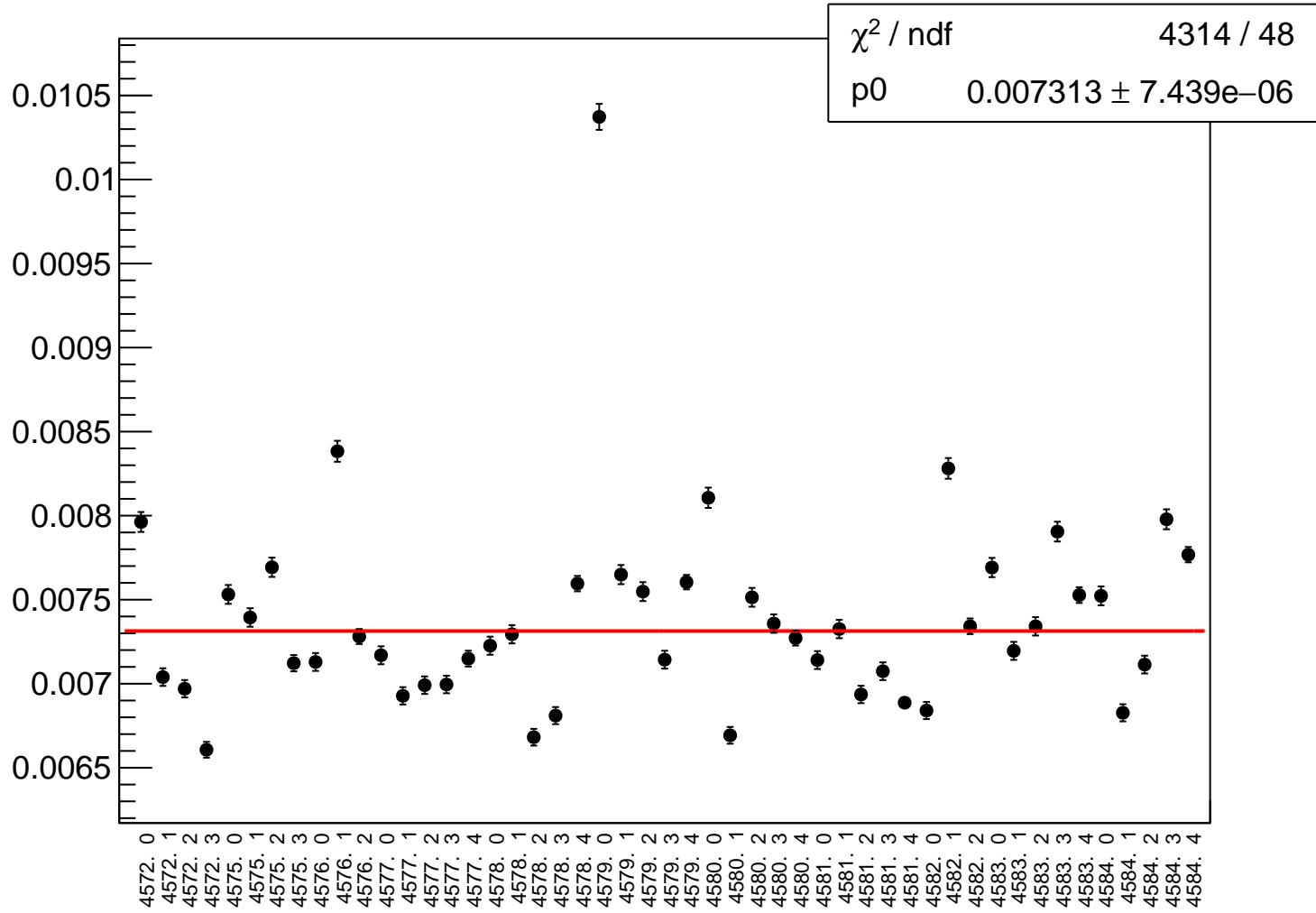
# yield\_bpm0l04Y\_rms vs run



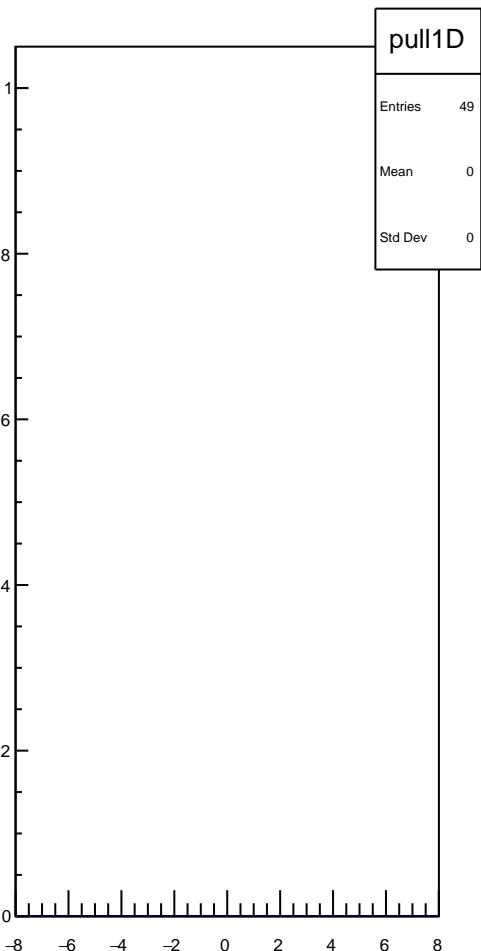
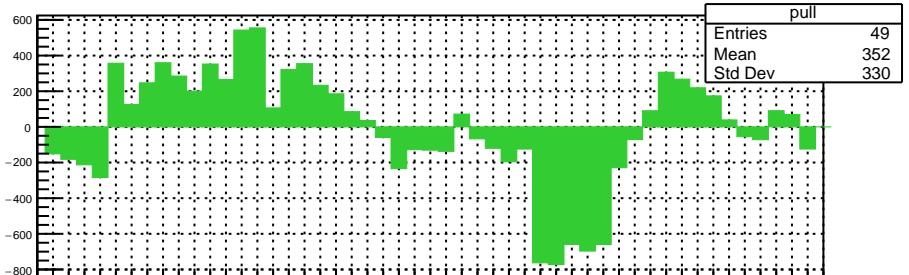
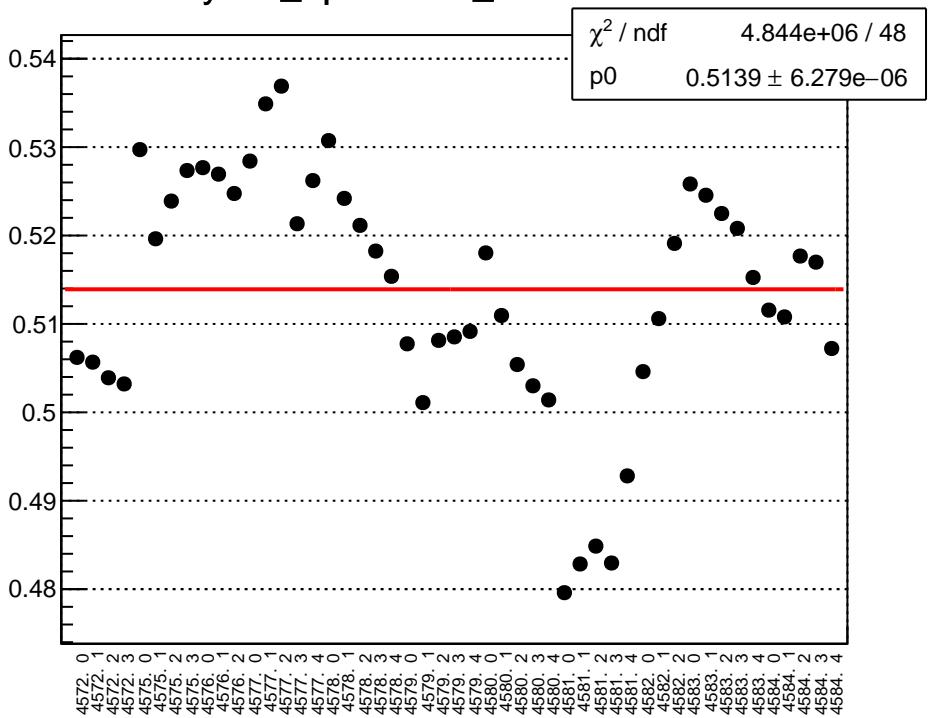
# yield\_bpm0l05X\_mean vs run



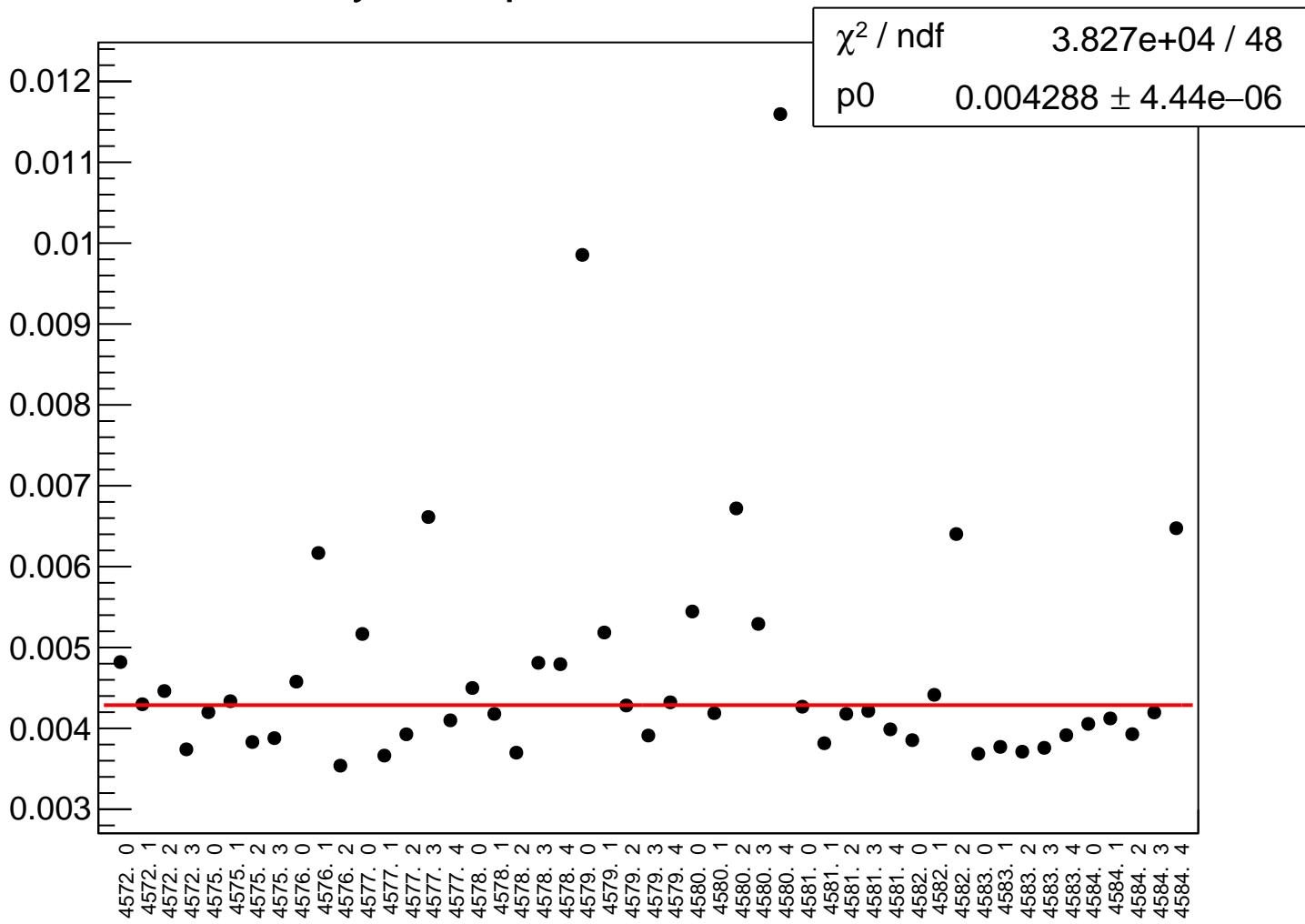
# yield\_bpm0l05X\_rms vs run

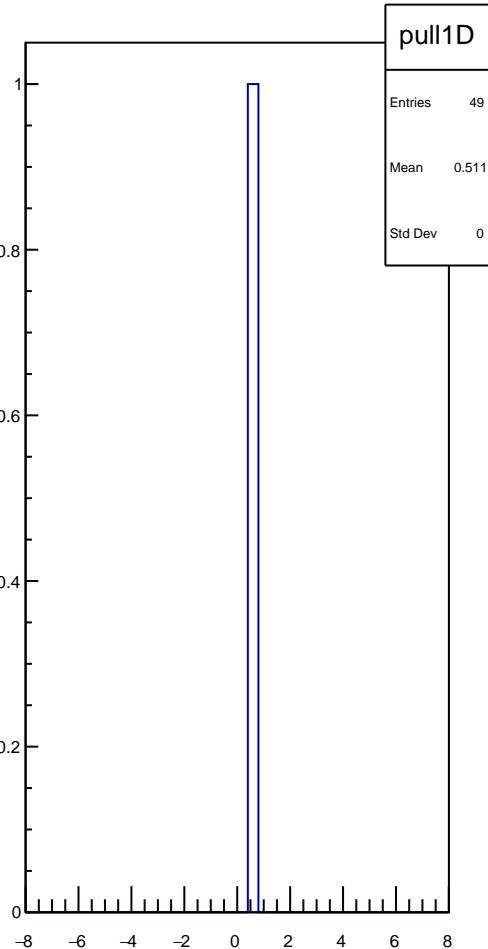
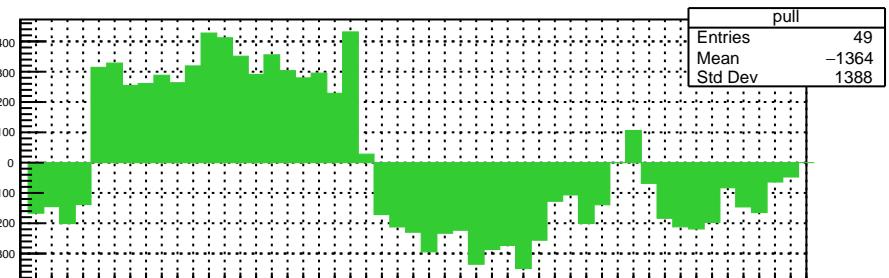
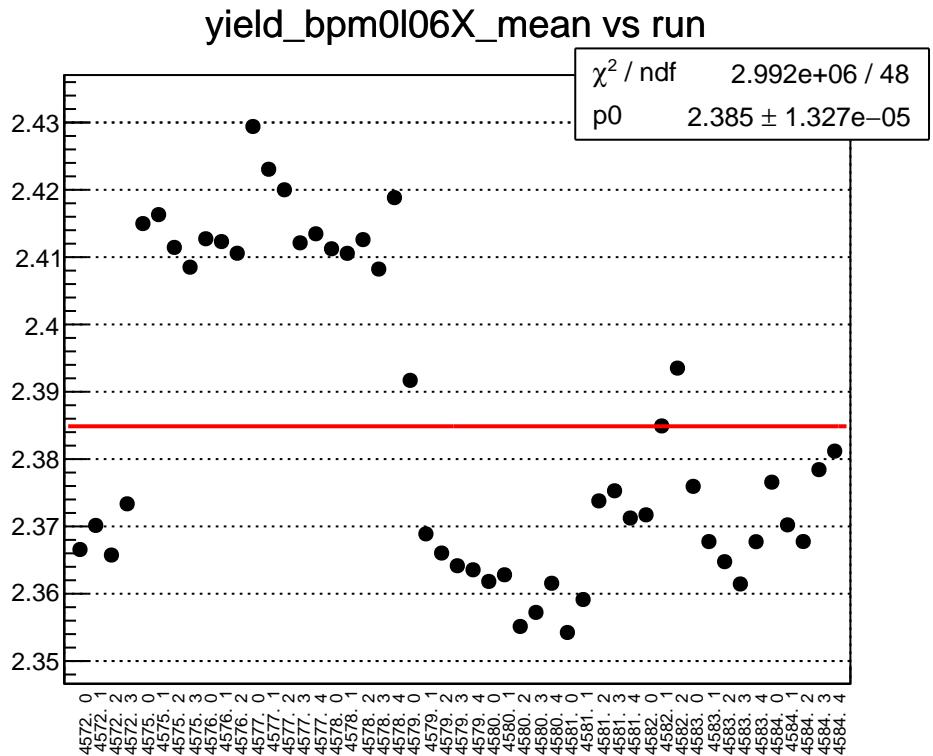


# yield\_bpm0I05Y\_mean vs run

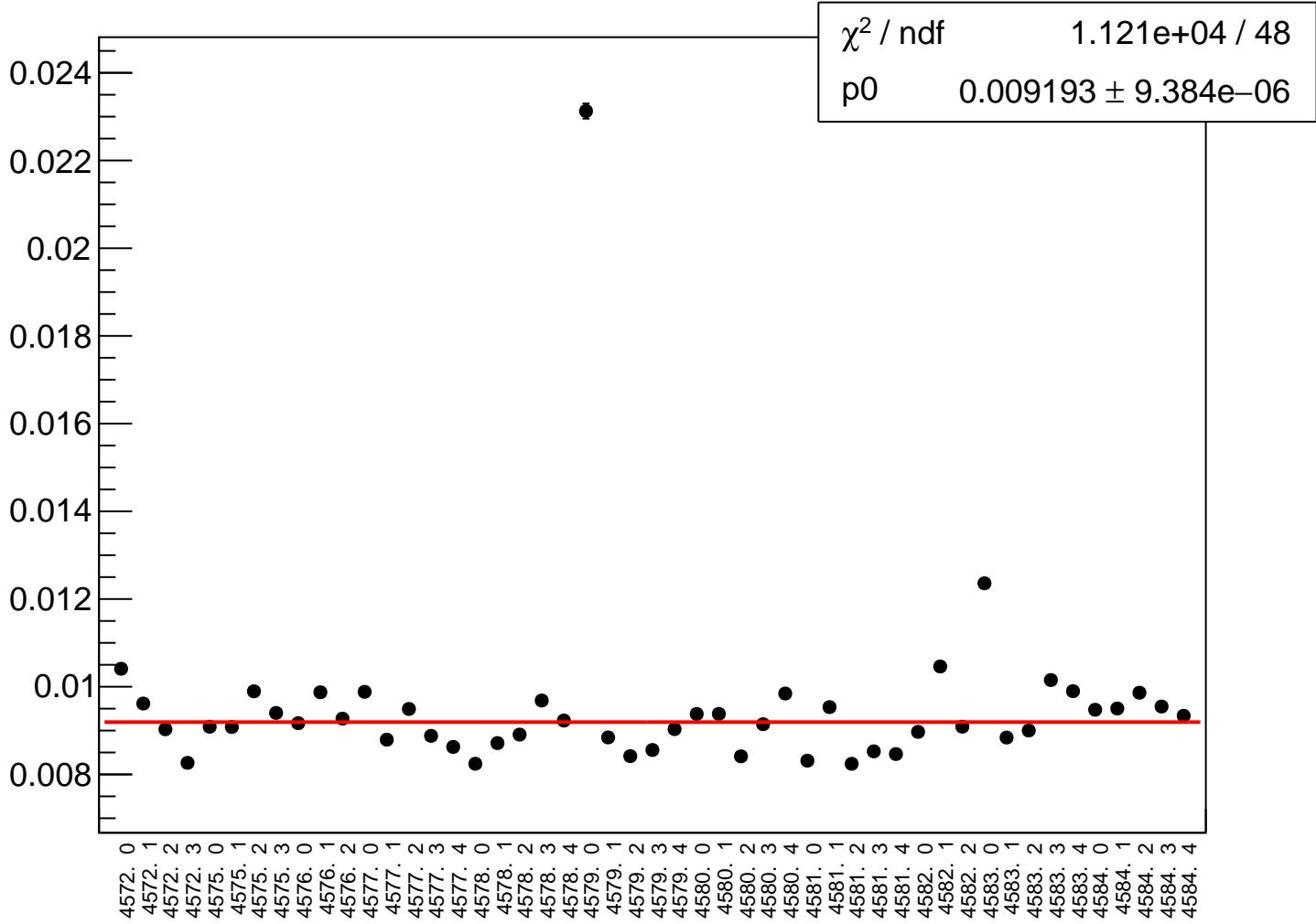


# yield\_bpm0l05Y\_rms vs run



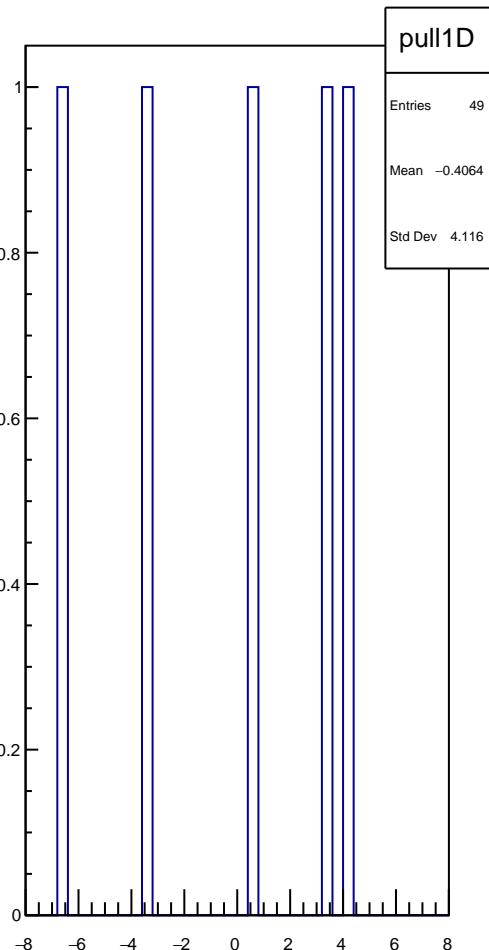
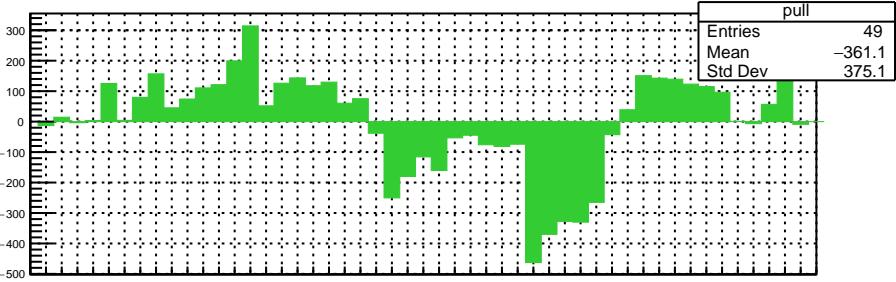
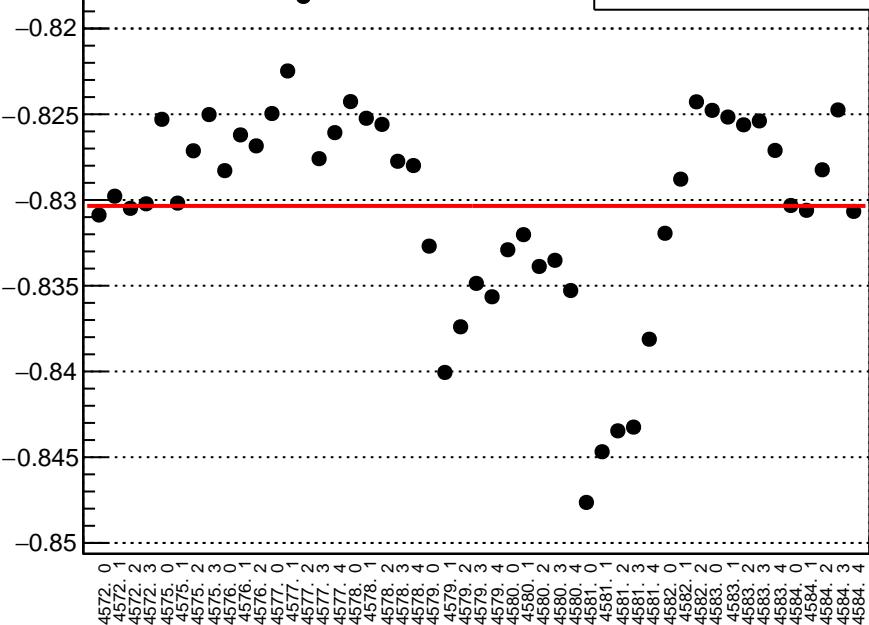


# yield\_bpm0l06X\_rms vs run



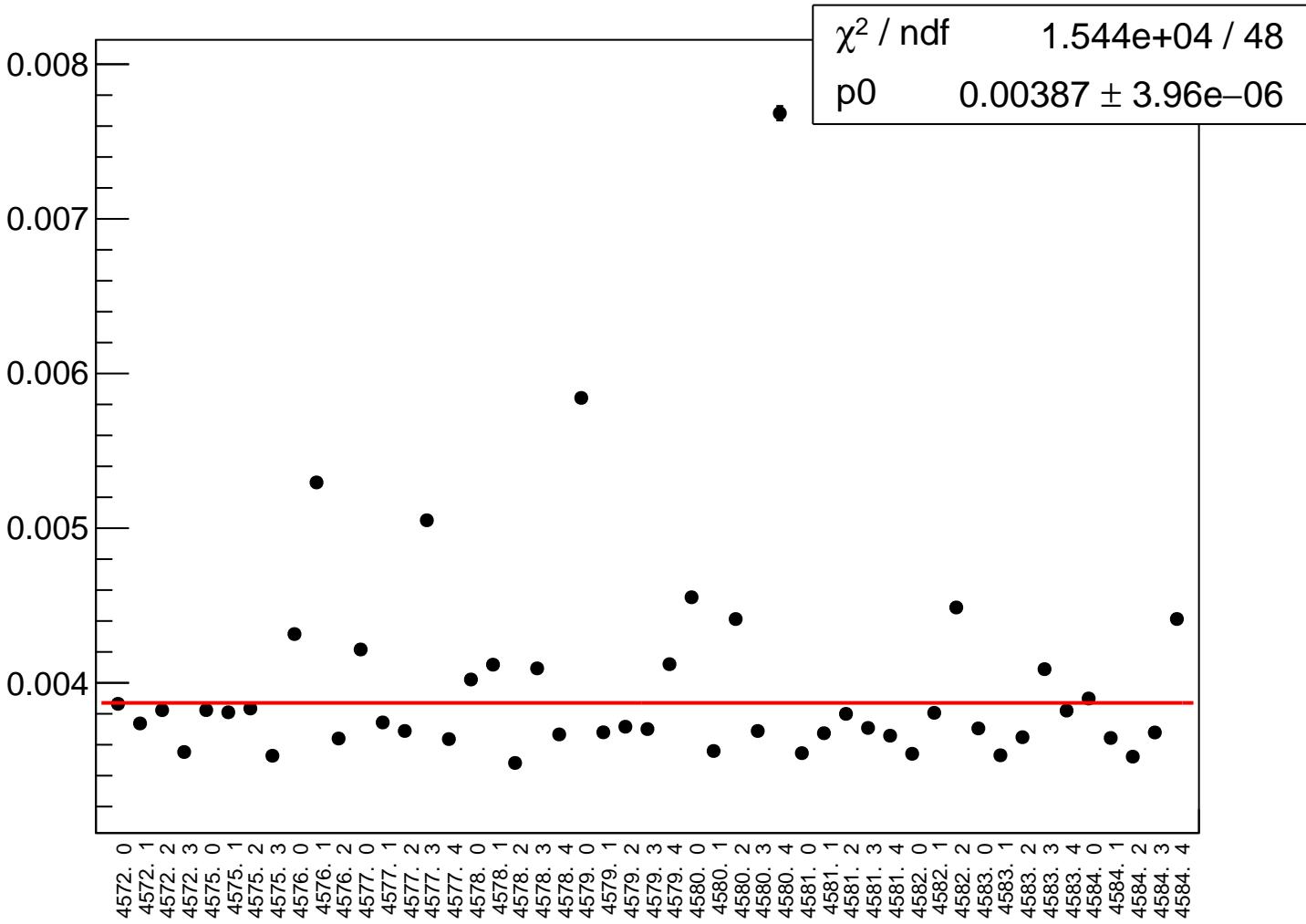
# yield\_bpm0I06Y\_mean vs run

$\chi^2 / \text{ndf}$  1.223e+06 / 48  
 $p0$   $-0.8303 \pm 5.6\text{e}-06$



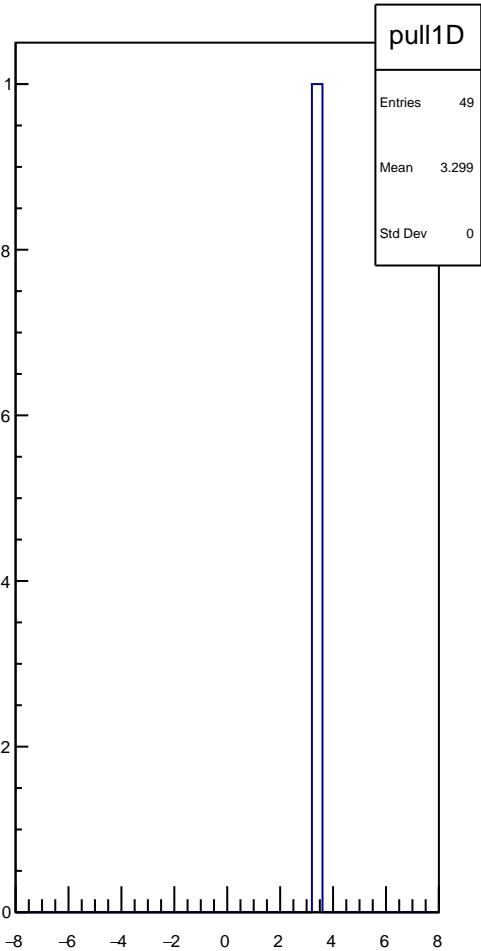
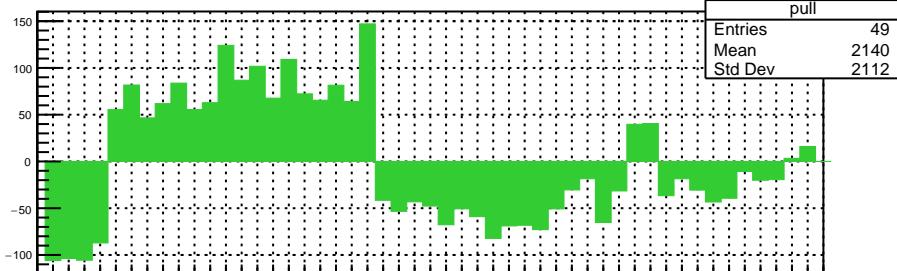
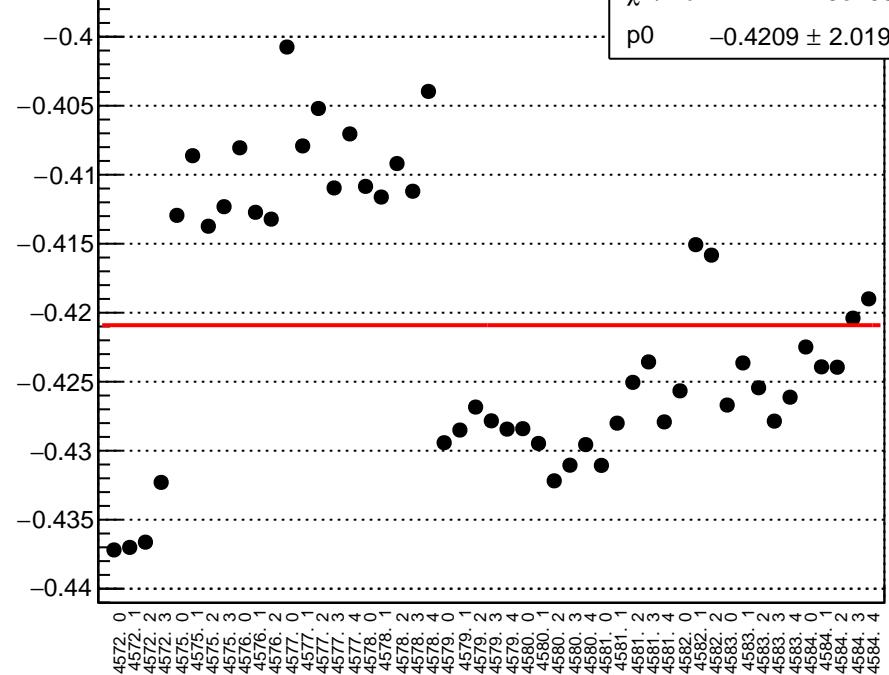
pull1D

# yield\_bpm0l06Y\_rms vs run

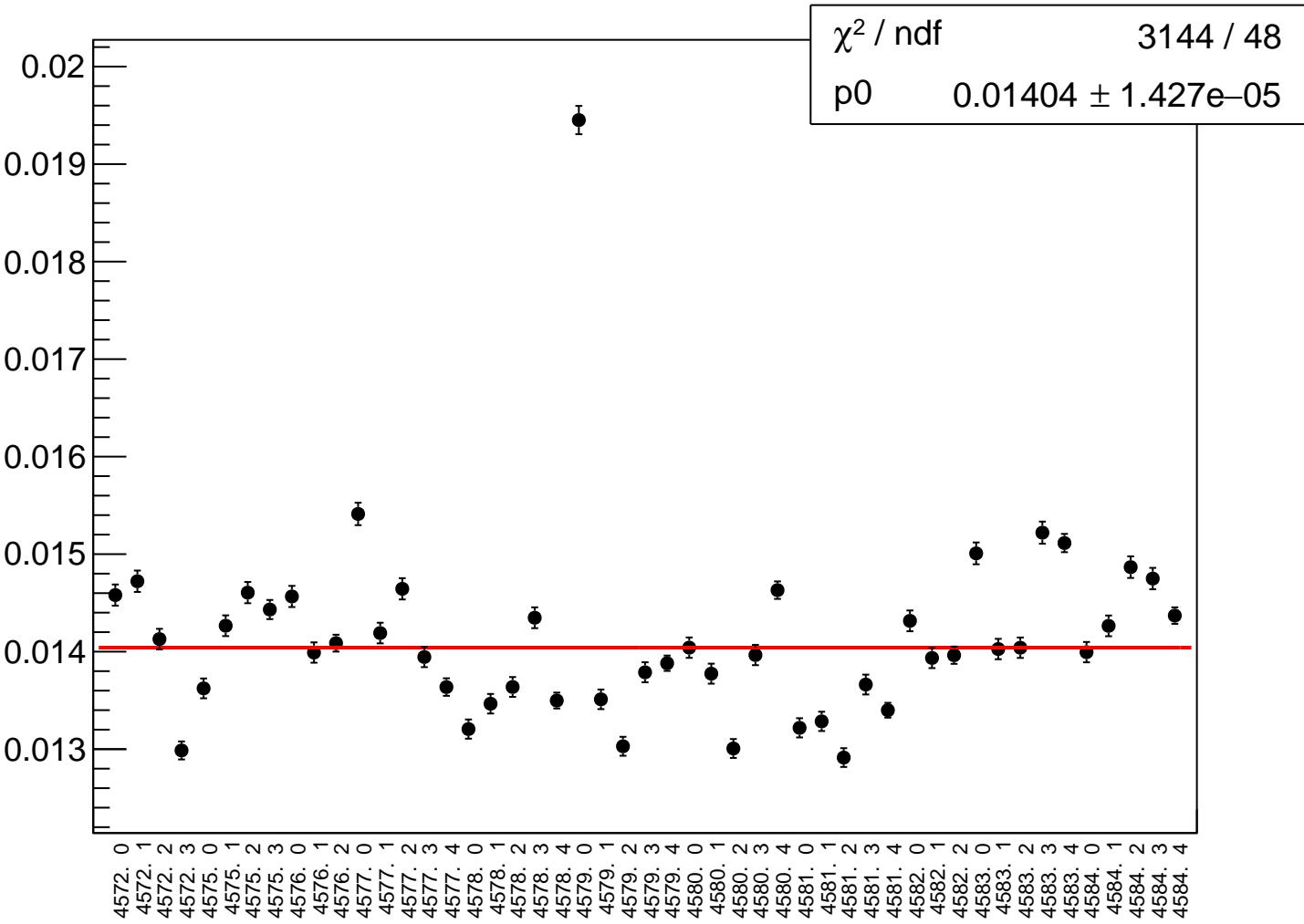


# yield\_bpm0l07X\_mean vs run

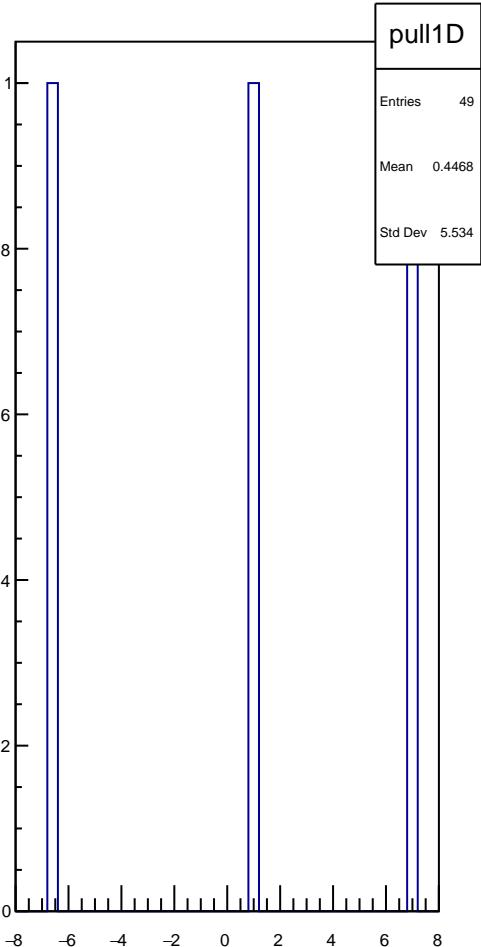
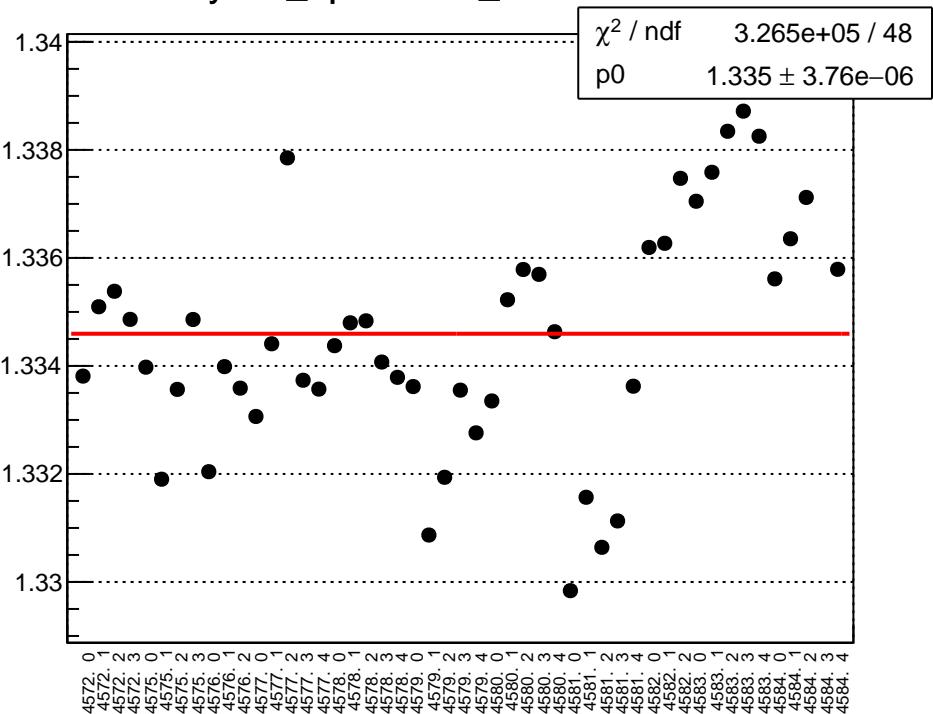
$\chi^2 / \text{ndf}$  2.225e+05 / 48  
 $p_0$   $-0.4209 \pm 2.019\text{e}{-05}$



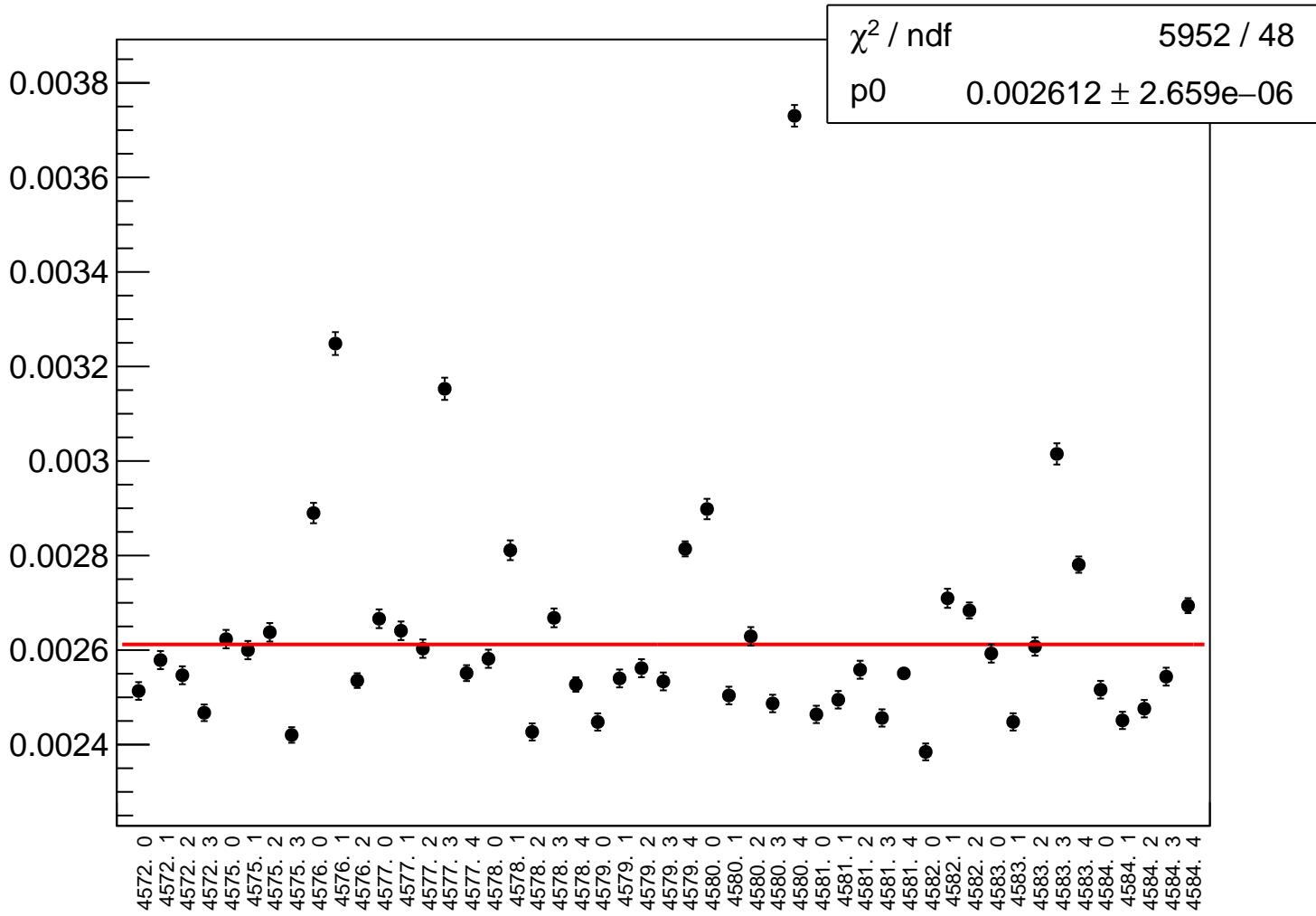
# yield\_bpm0l07X\_rms vs run

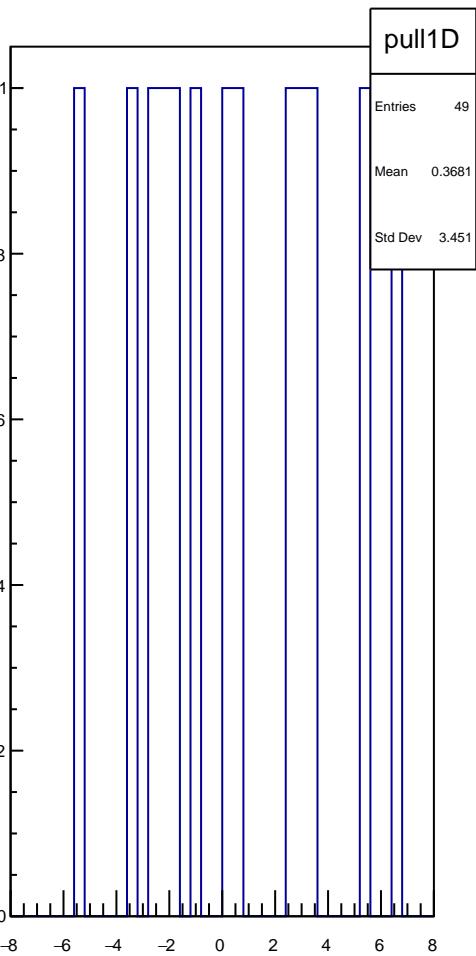
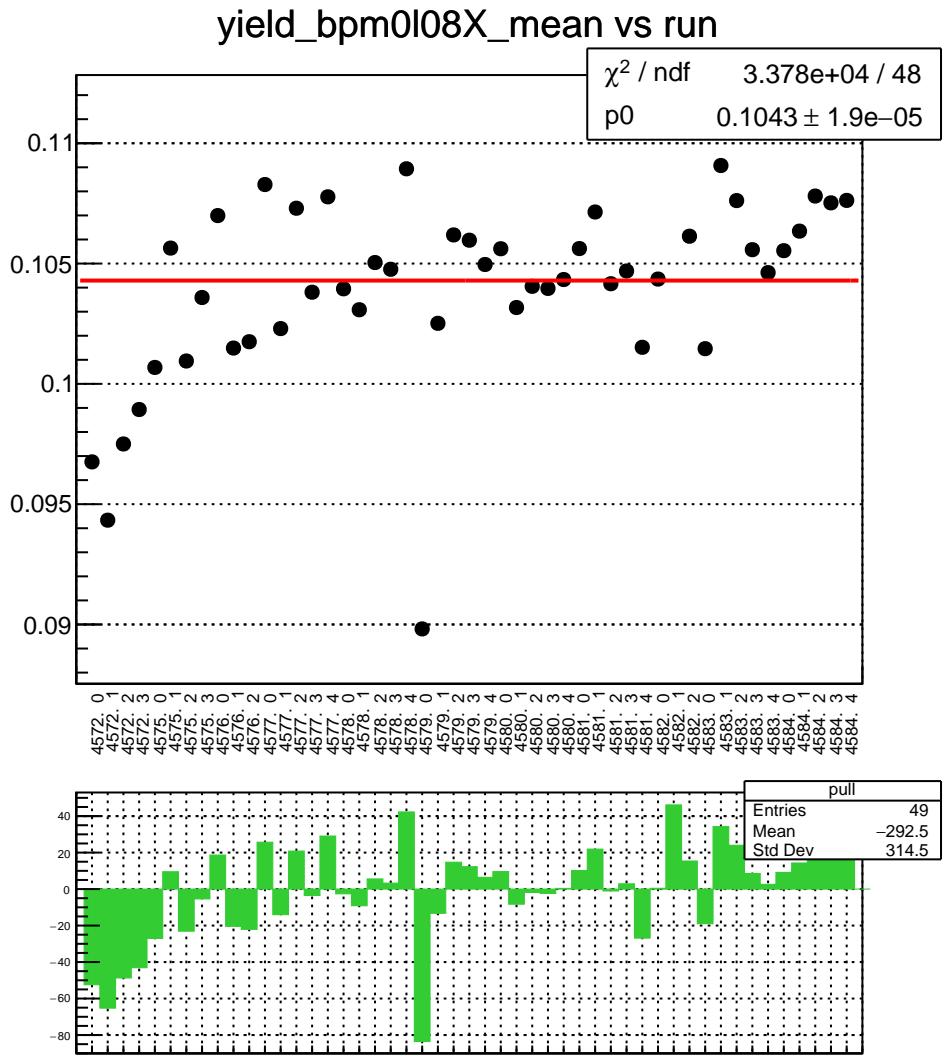


# yield\_bpm0I07Y\_mean vs run

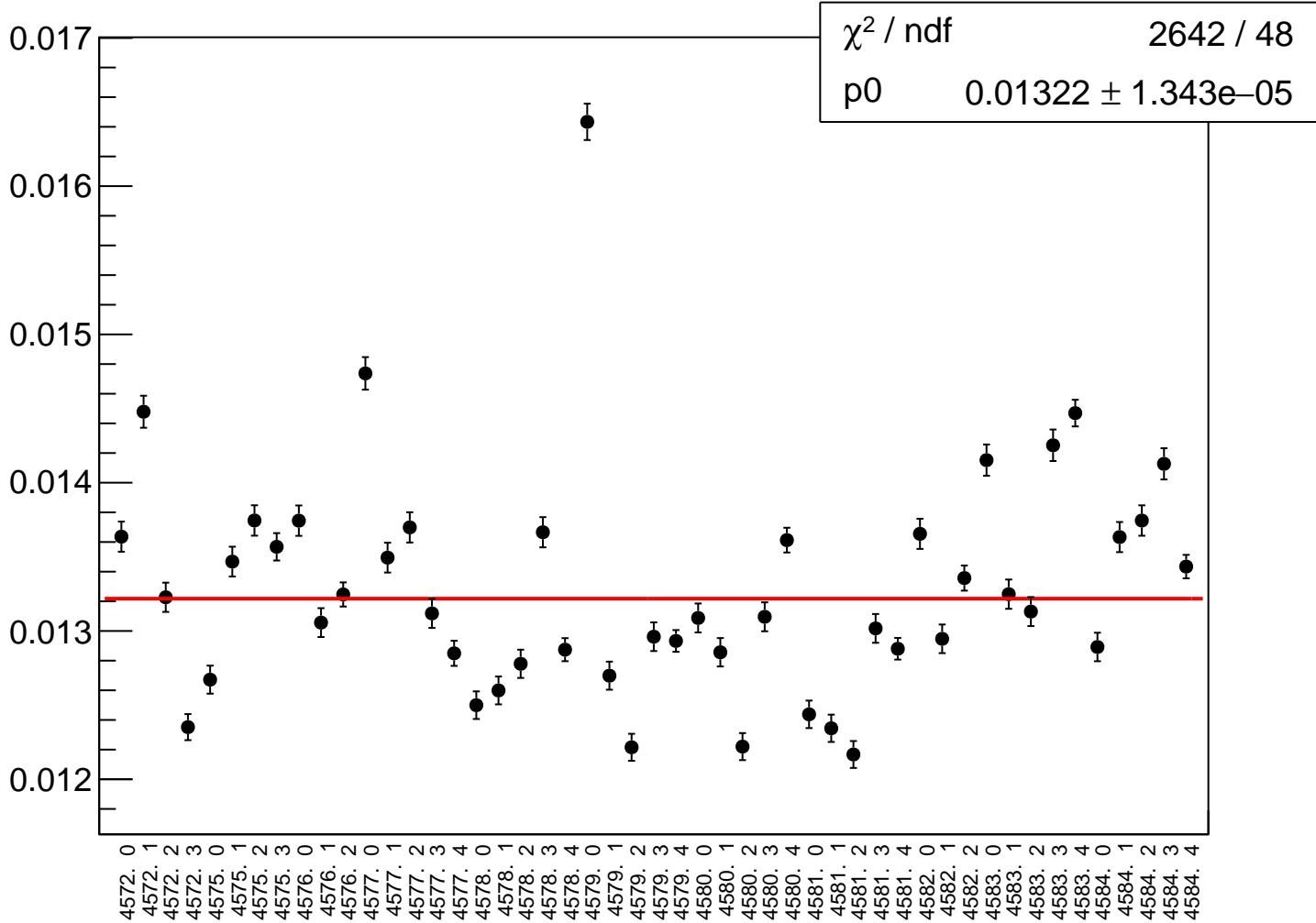


# yield\_bpm0l07Y\_rms vs run

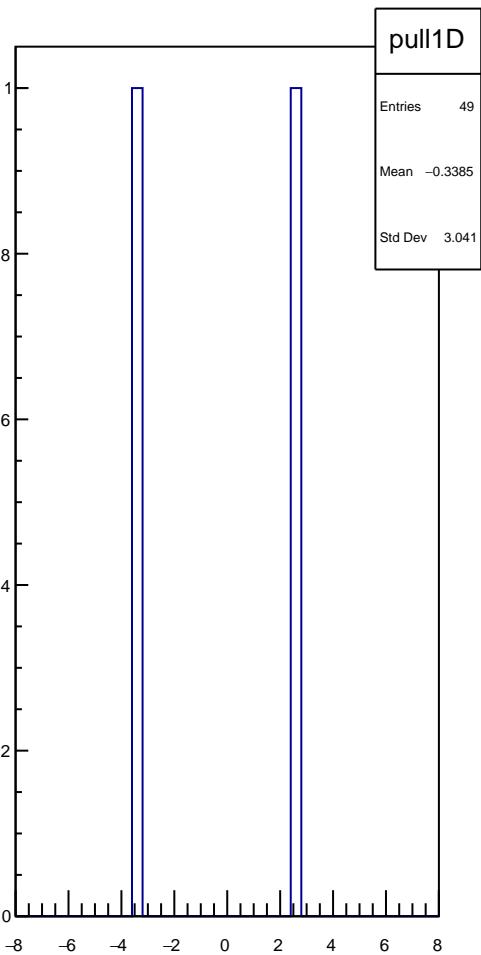
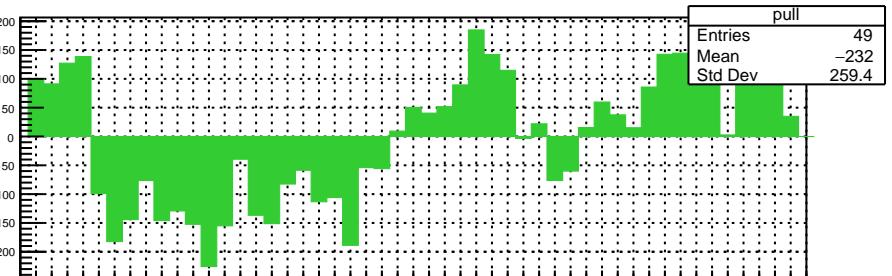
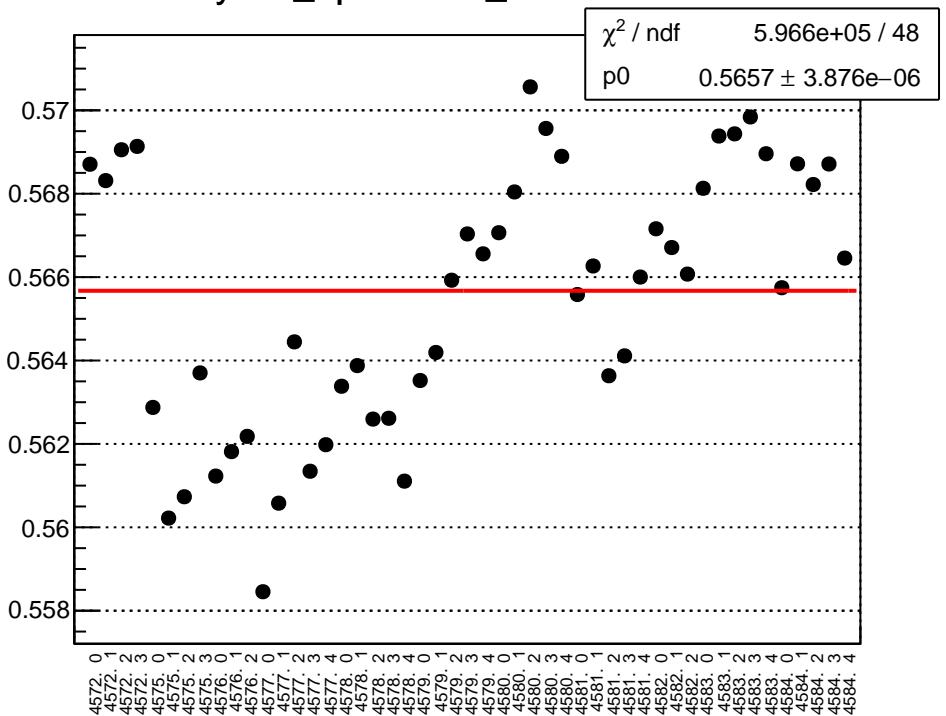




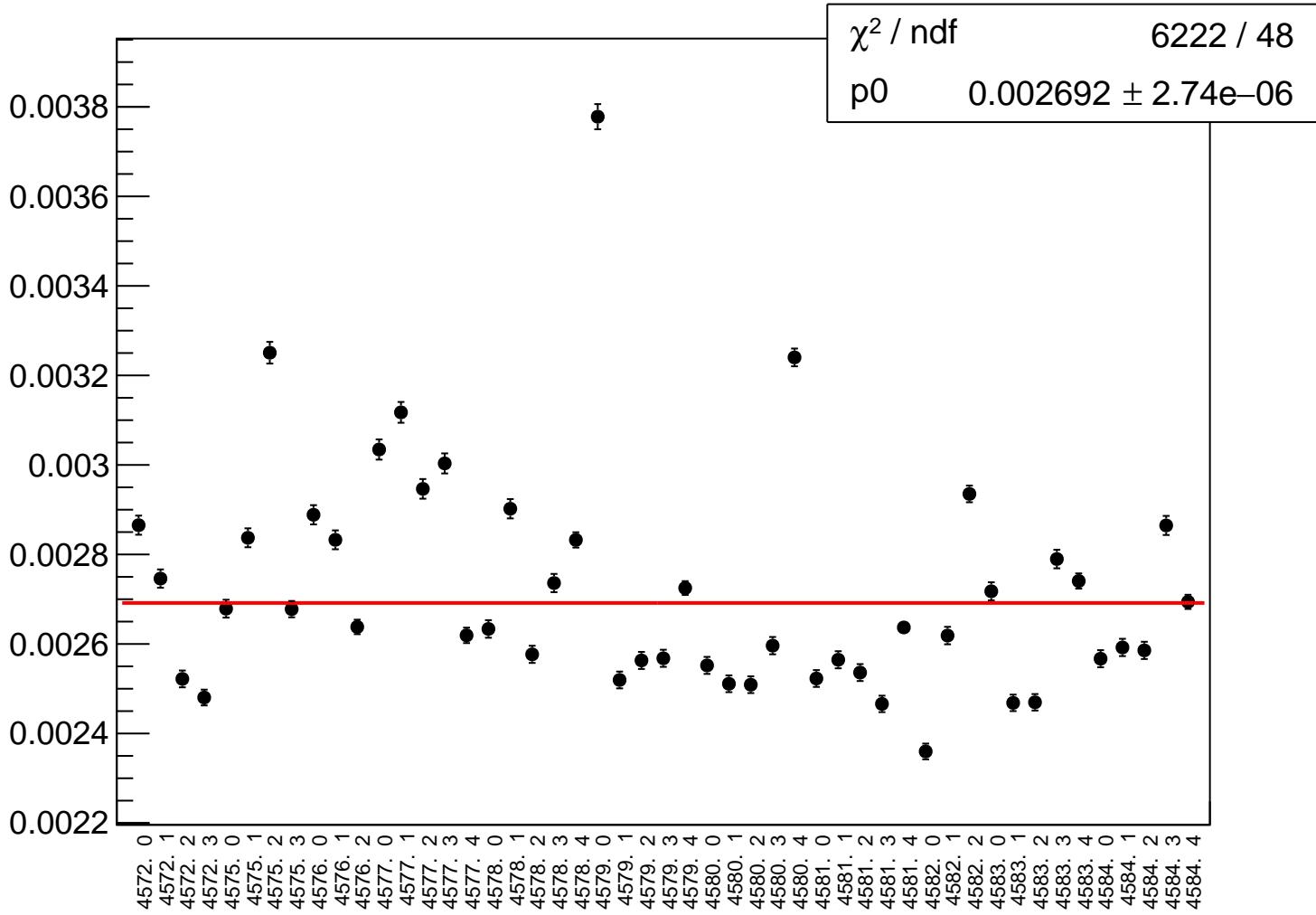
# yield\_bpm0l08X\_rms vs run



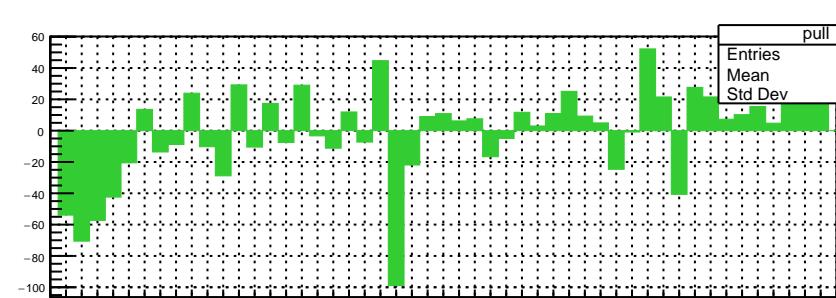
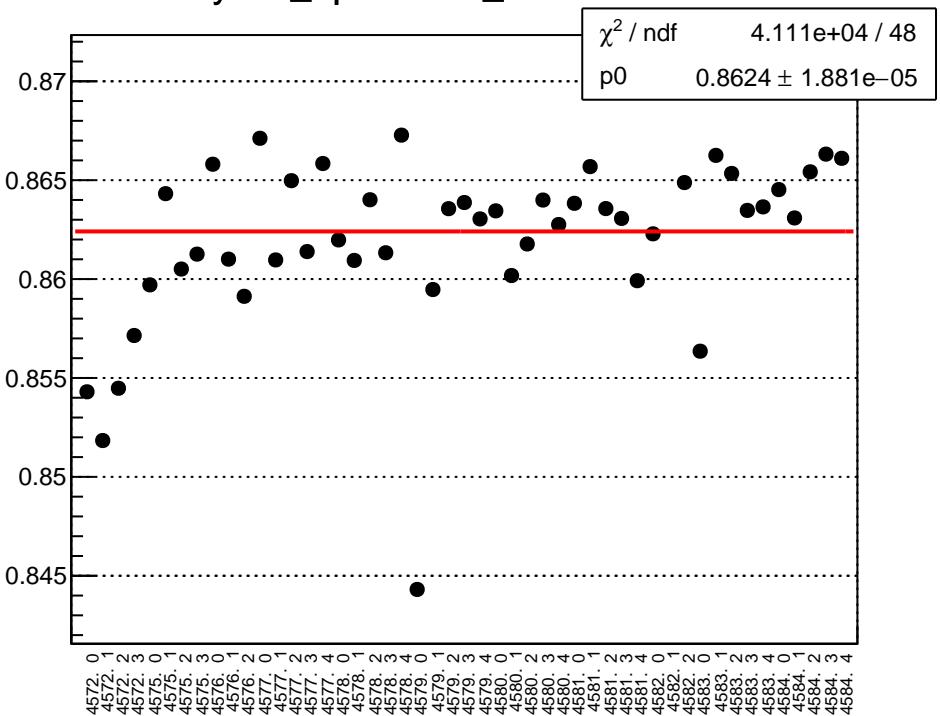
# yield\_bpm0I08Y\_mean vs run



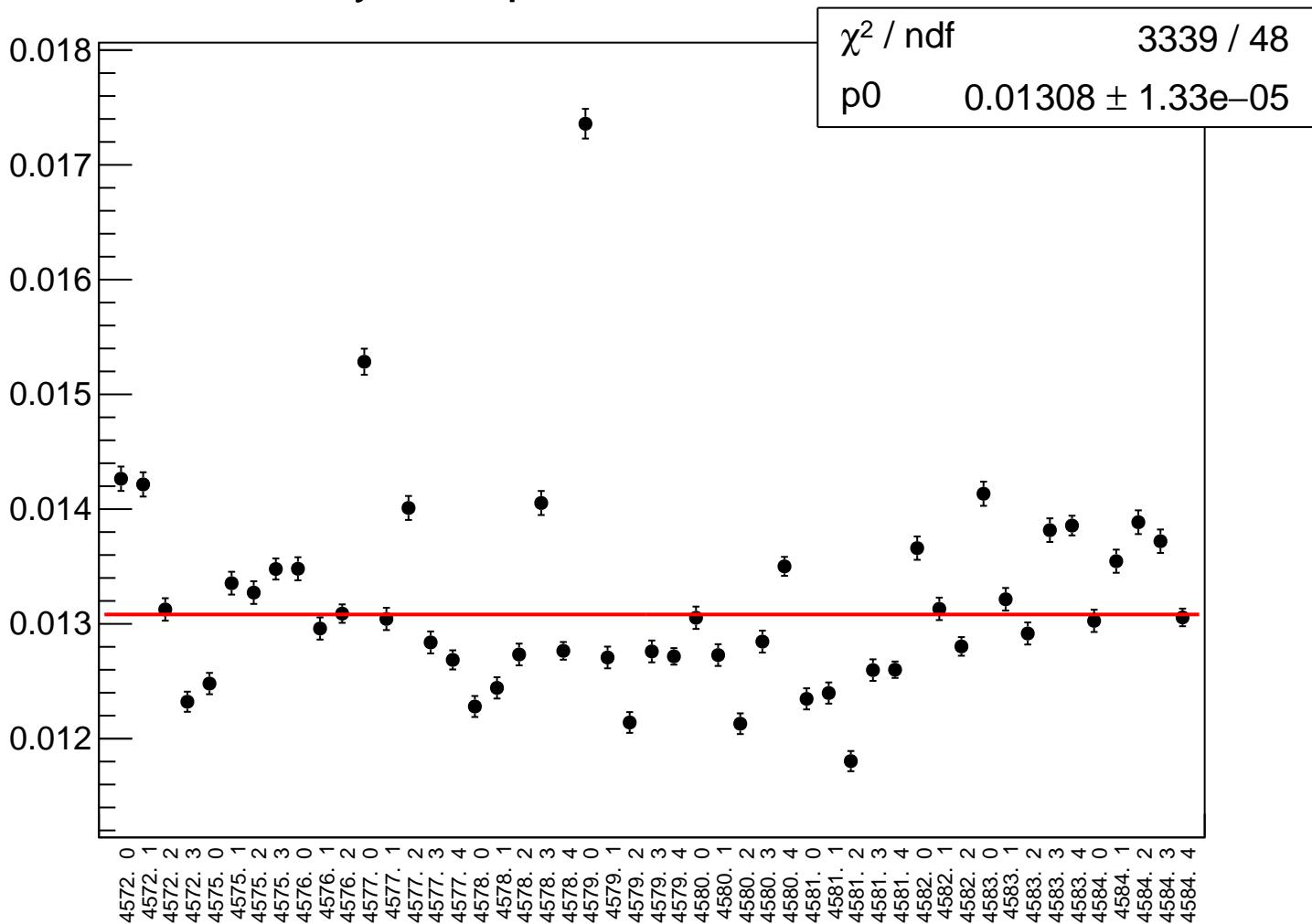
# yield\_bpm0l08Y\_rms vs run

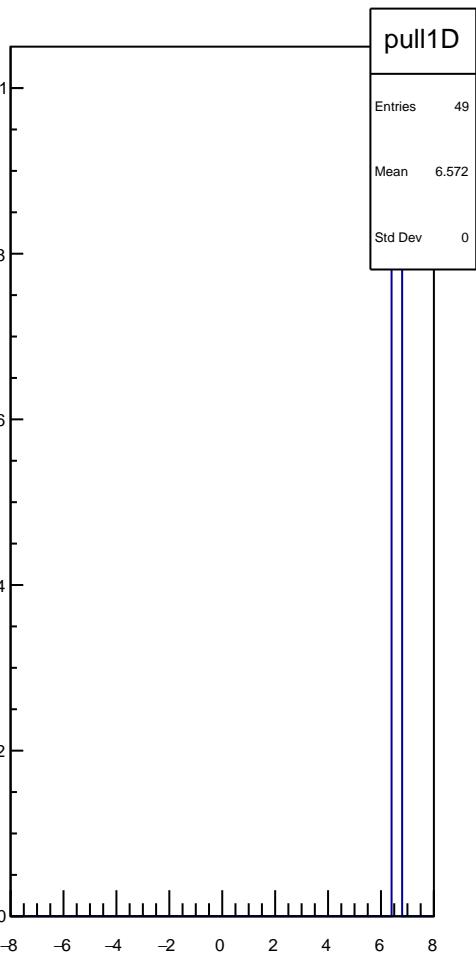
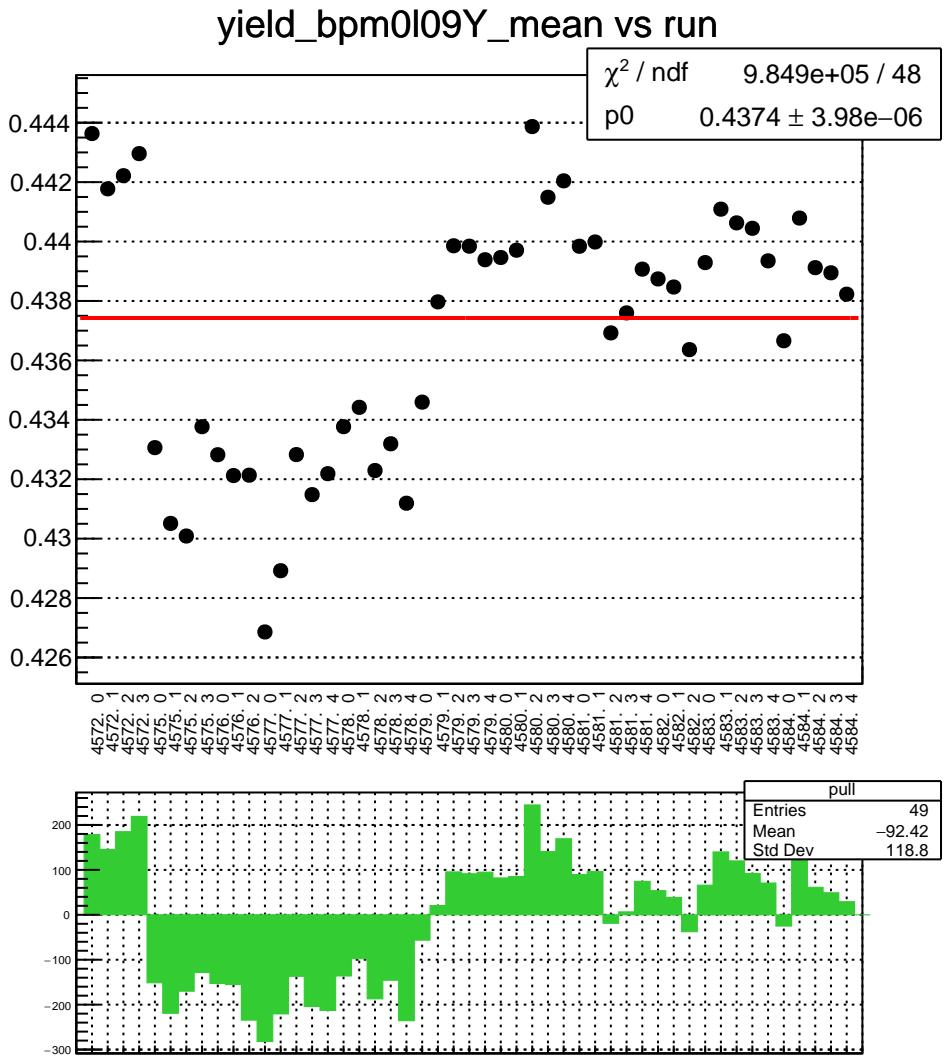


# yield\_bpm0l09X\_mean vs run

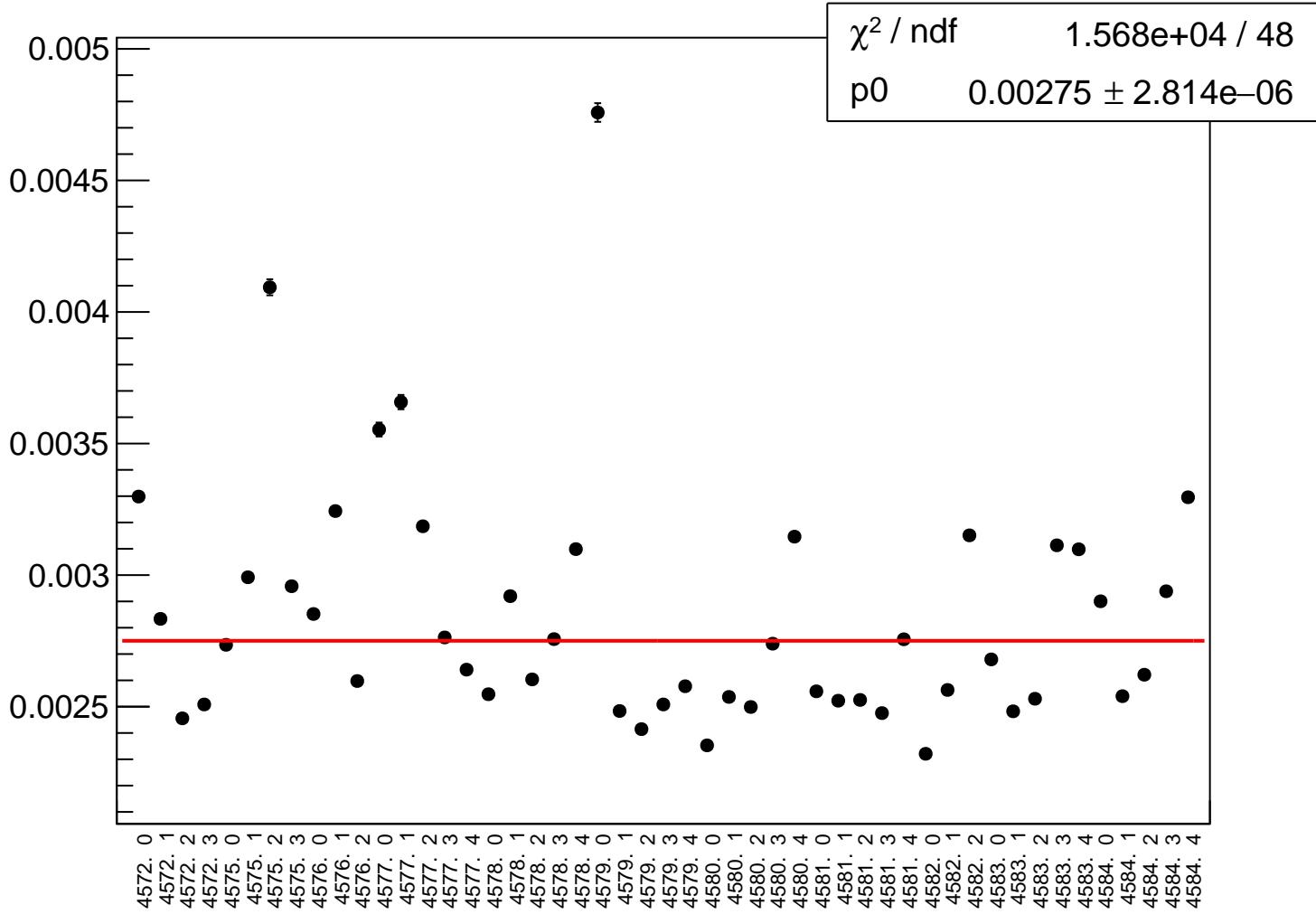


# yield\_bpm0l09X\_rms vs run



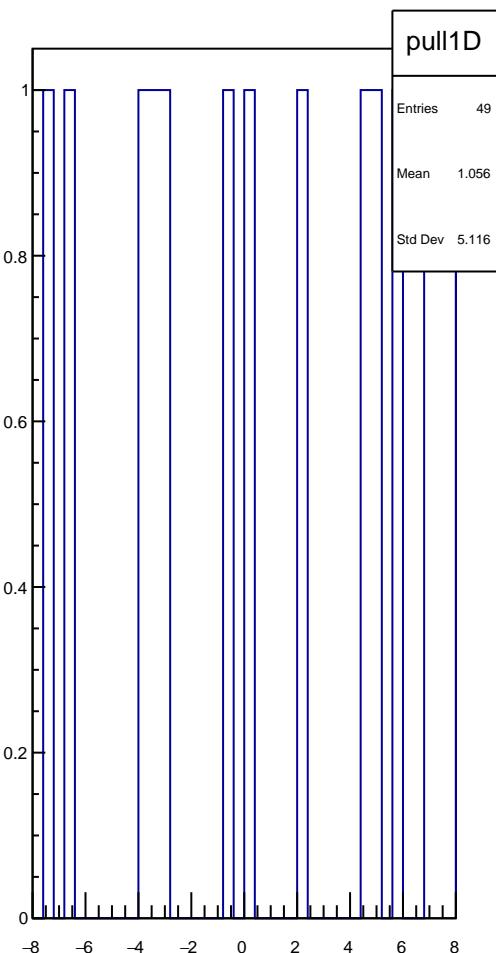
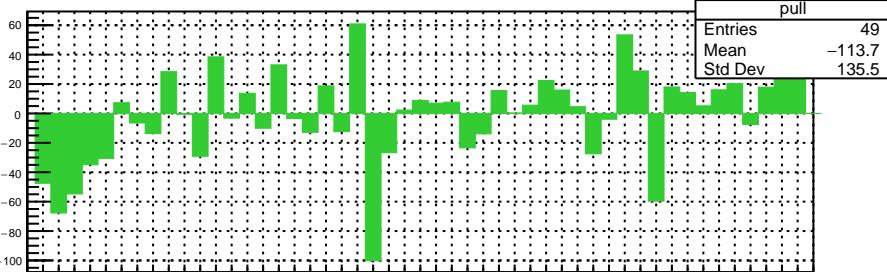
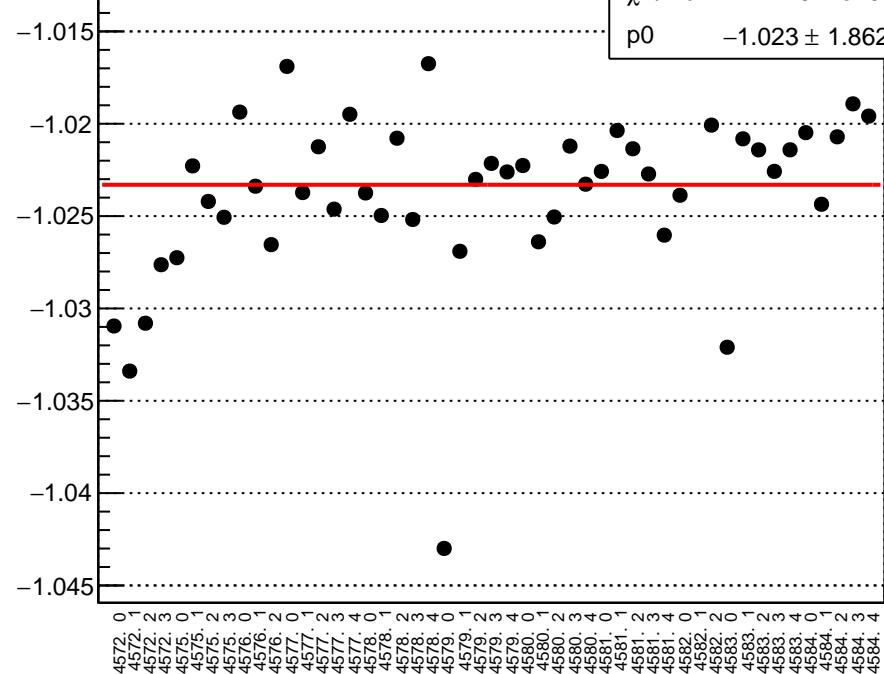


# yield\_bpm0l09Y\_rms vs run

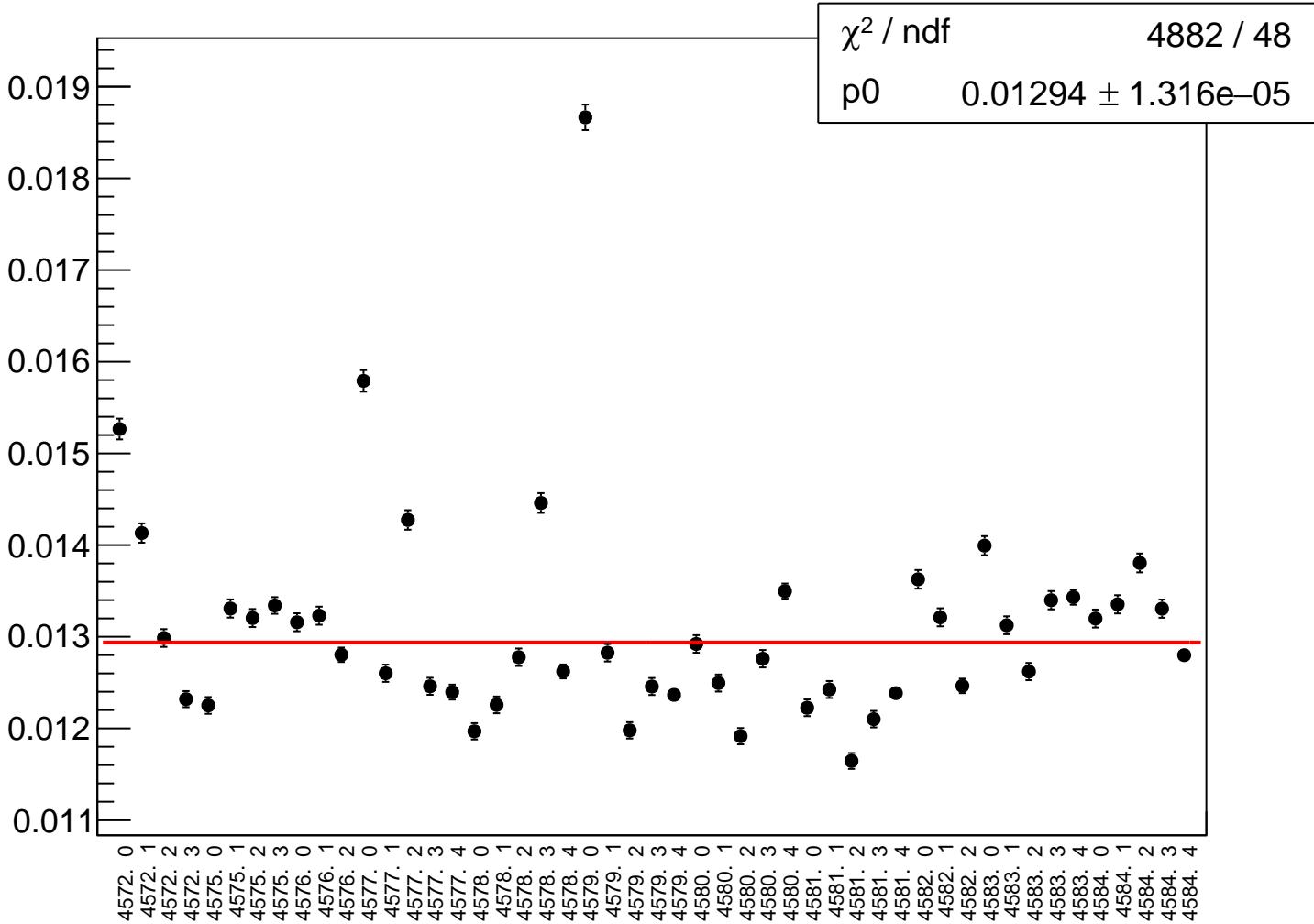


# yield\_bpm0l10X\_mean vs run

$\chi^2 / \text{ndf}$  4.571e+04 / 48  
 $p_0$   $-1.023 \pm 1.862\text{e}{-05}$

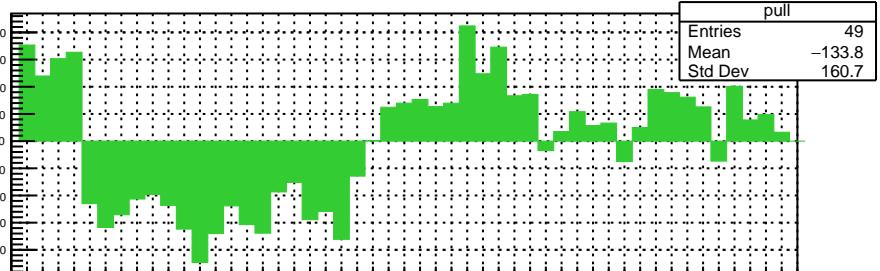
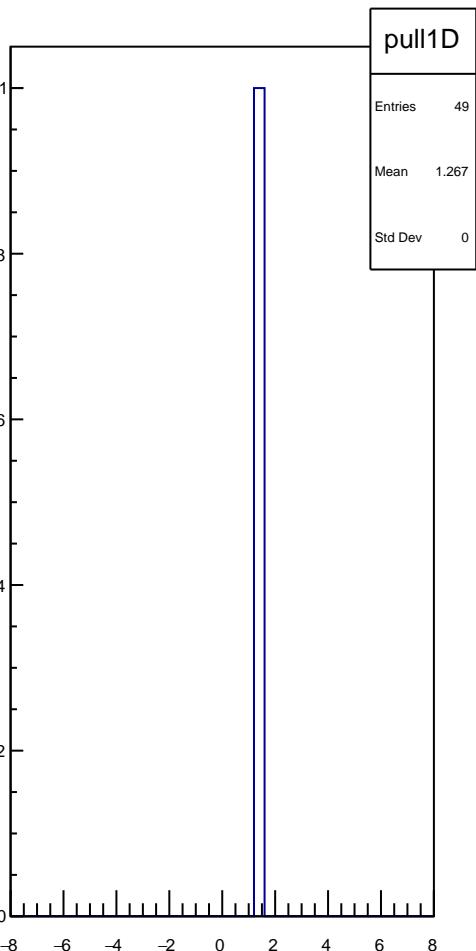


# yield\_bpm0l10X\_rms vs run





$\chi^2 / \text{ndf}$       6.259e+05 / 48  
 p0       $-0.2452 \pm 4.028\text{e}{-}06$



# yield\_bpm0l10Y\_rms vs run

