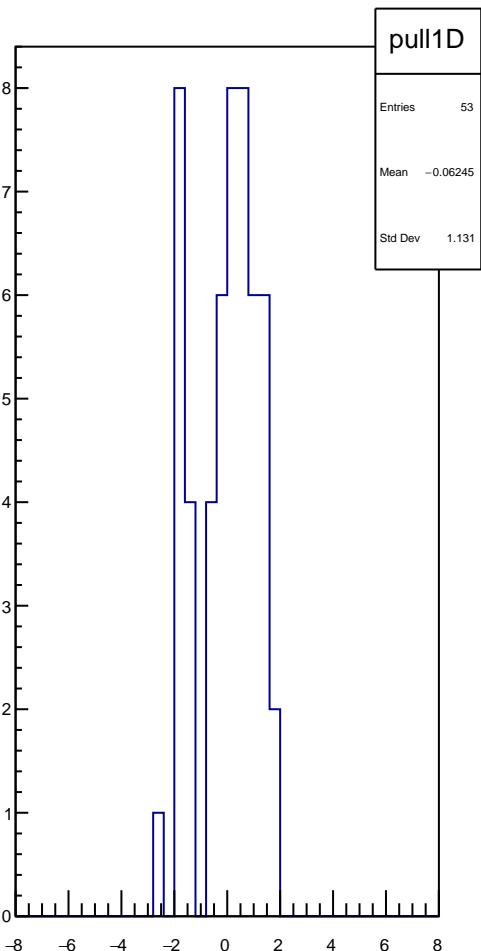
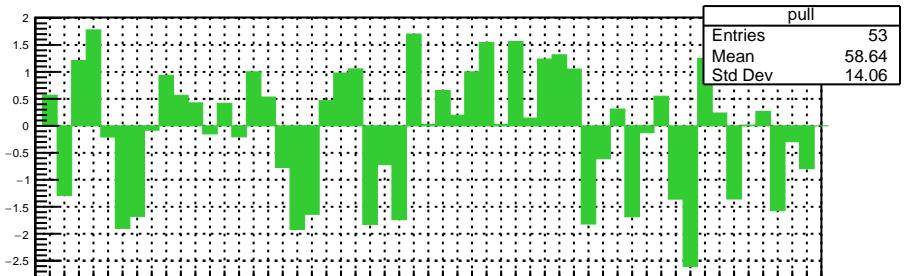
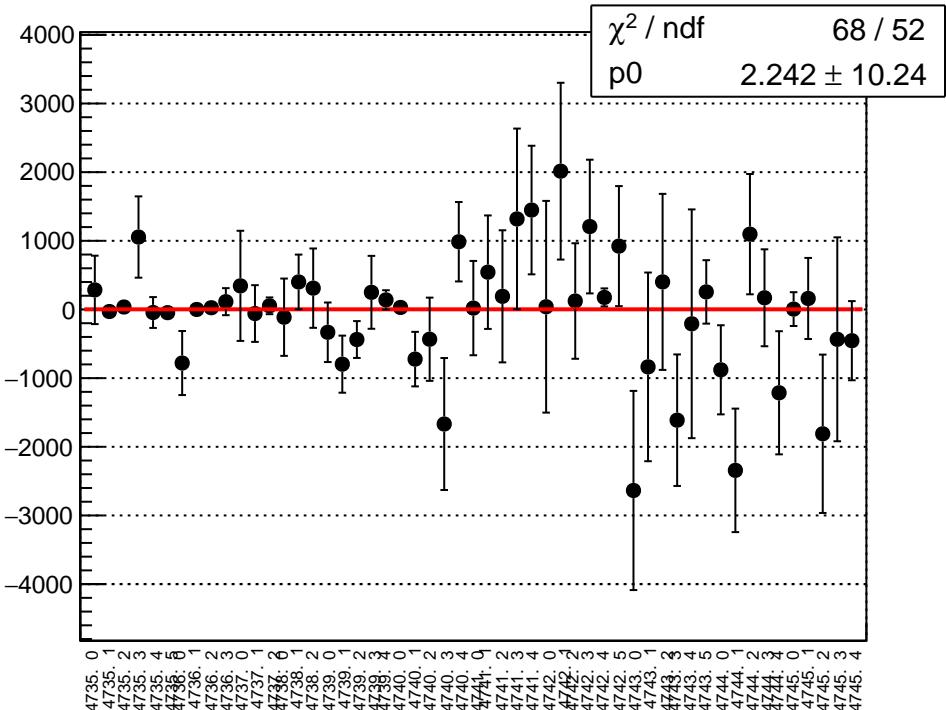
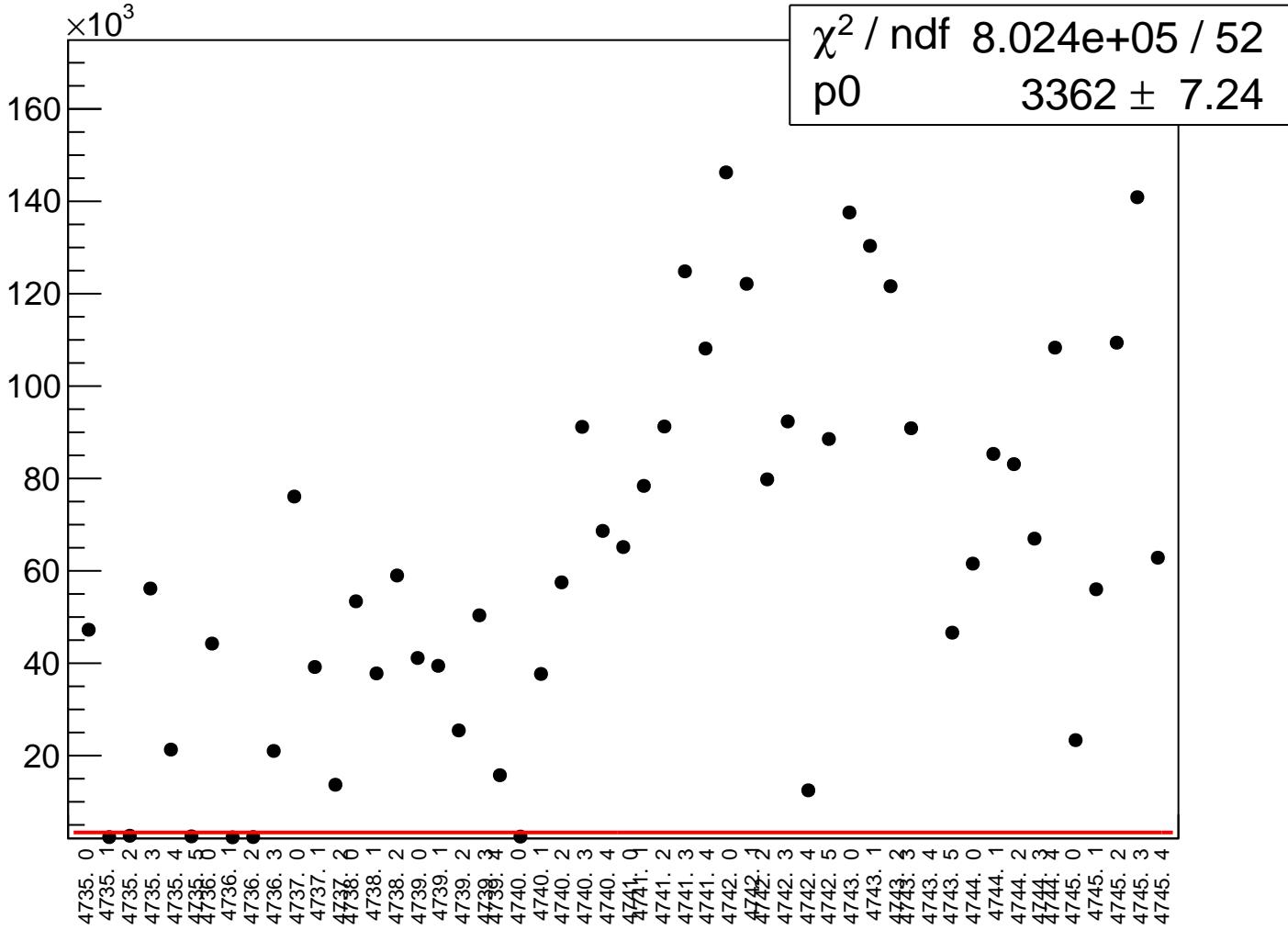


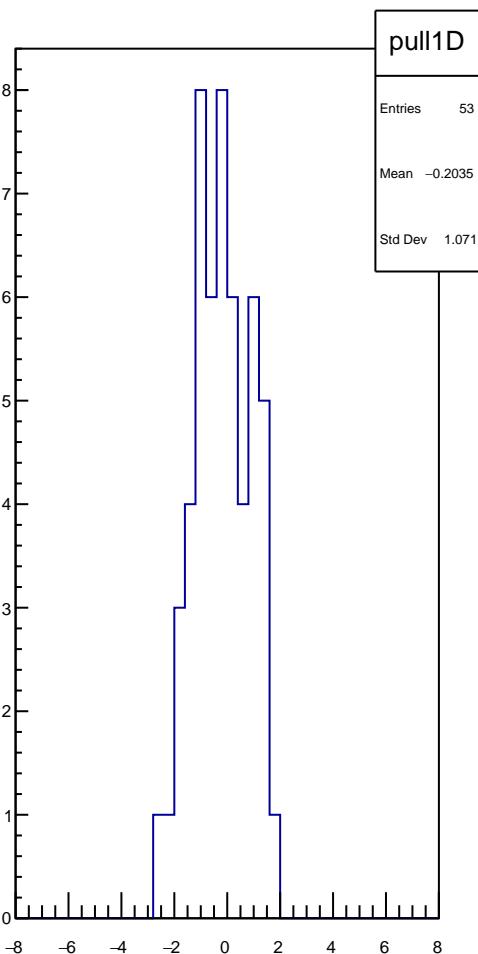
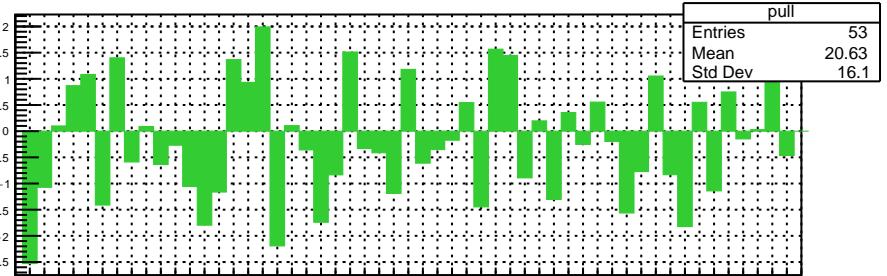
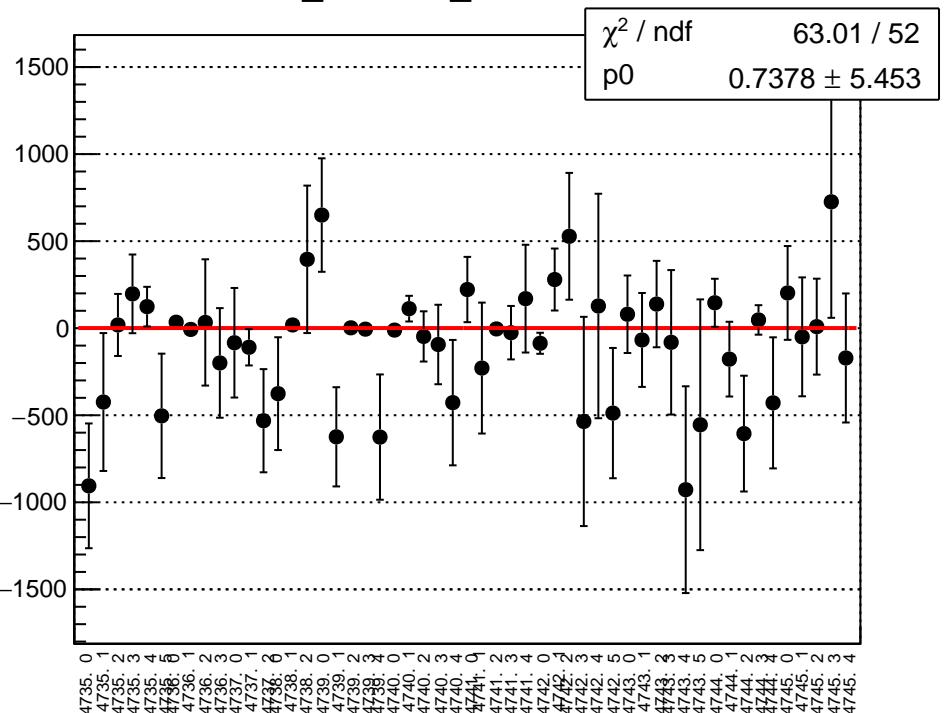
# diff\_cav4bX\_mean vs run



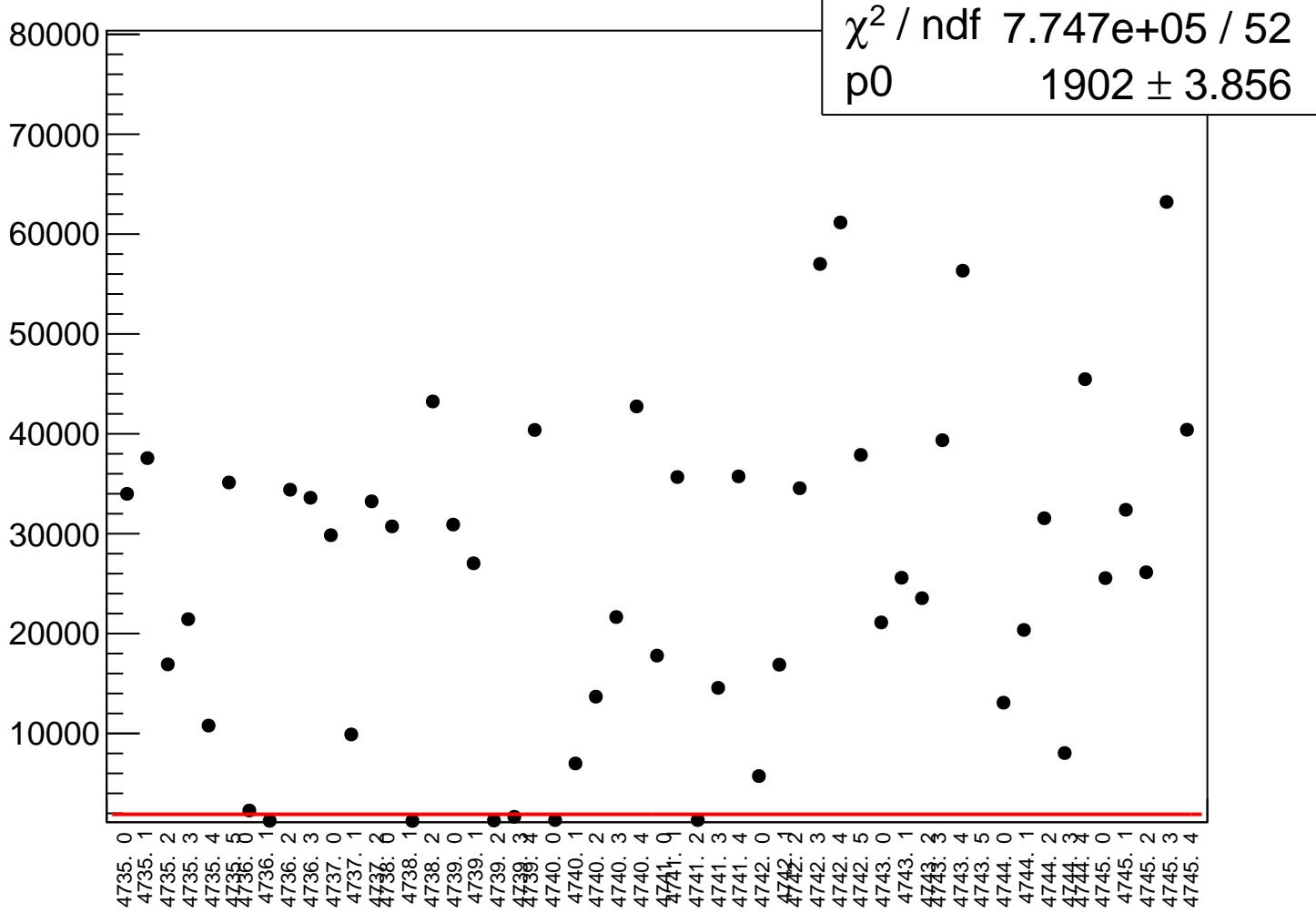
# diff\_cav4bX\_rms vs run



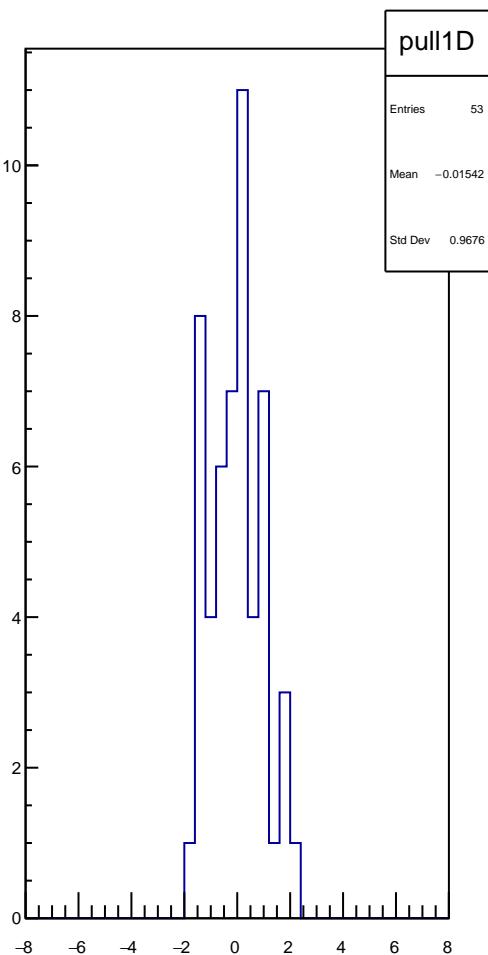
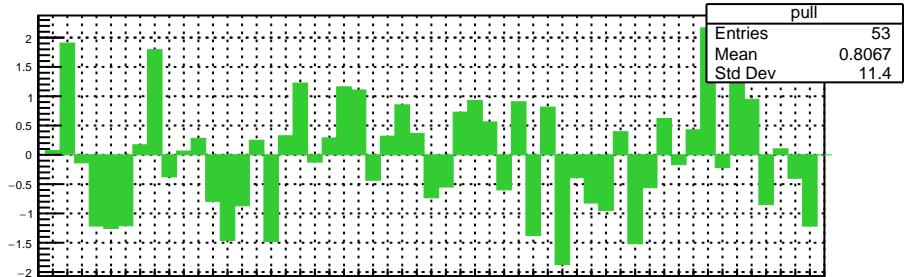
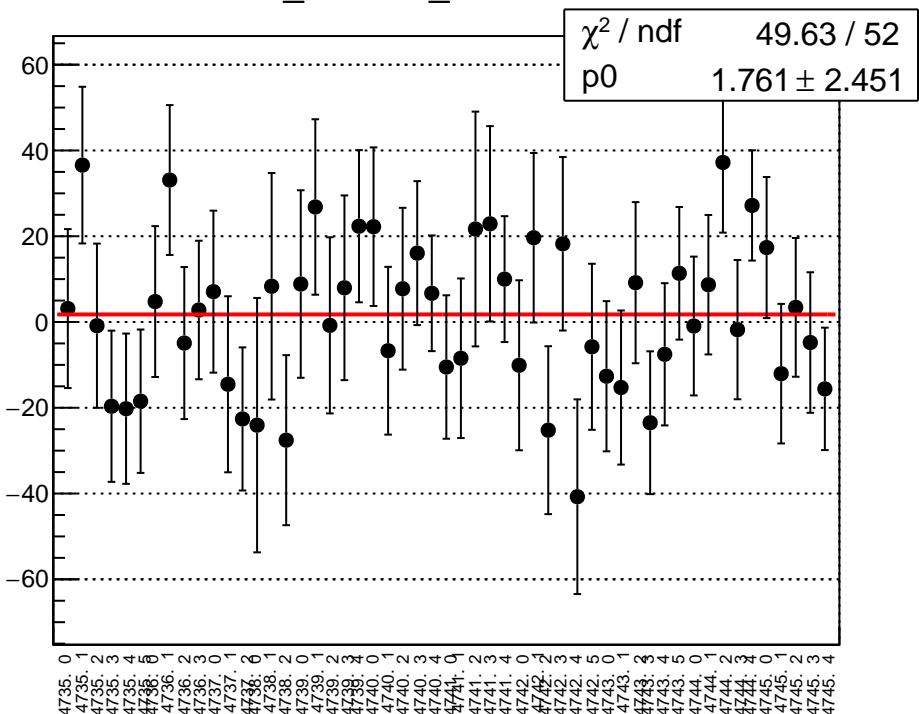
# diff\_cav4bY\_mean vs run



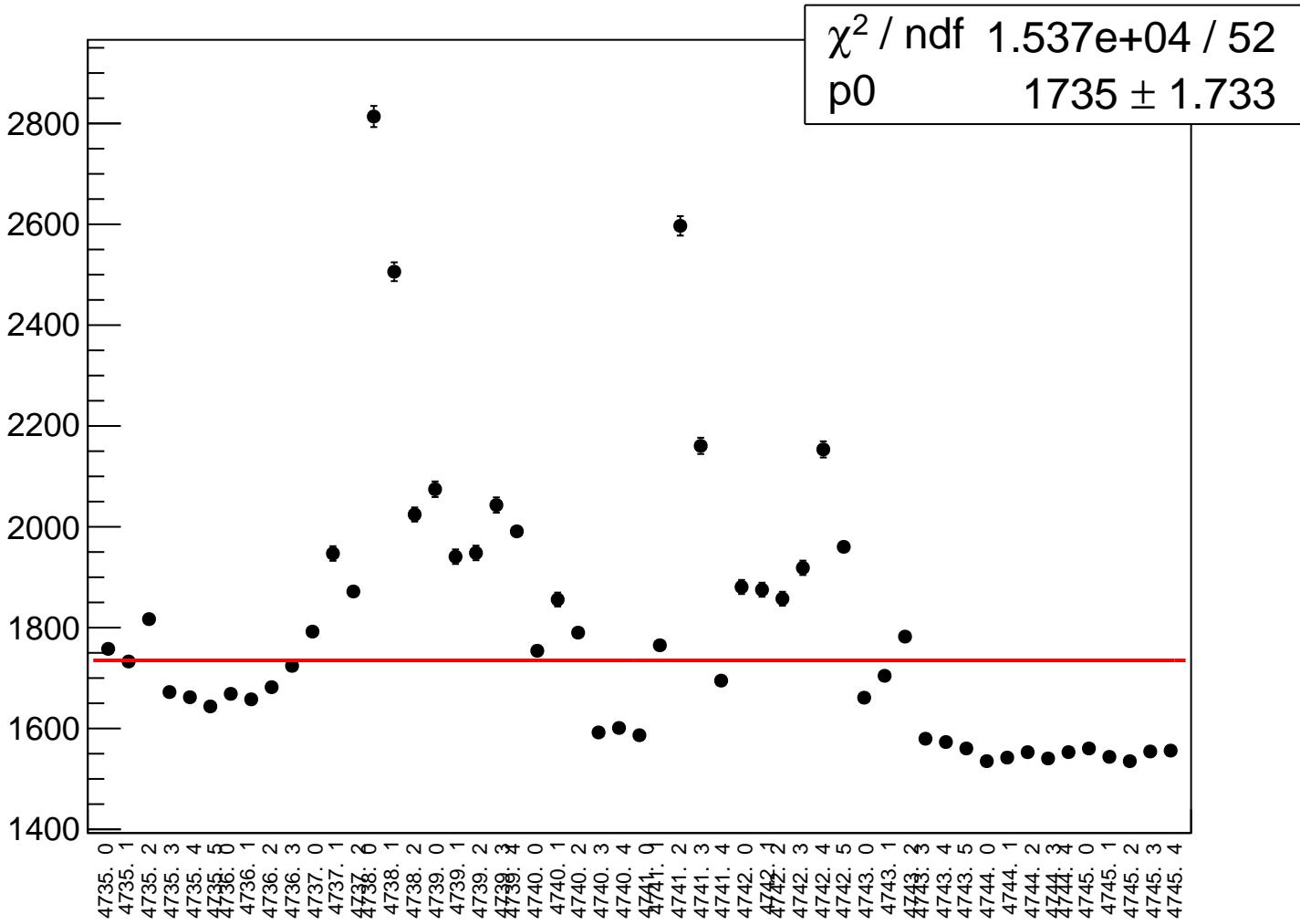
# diff\_cav4bY\_rms vs run



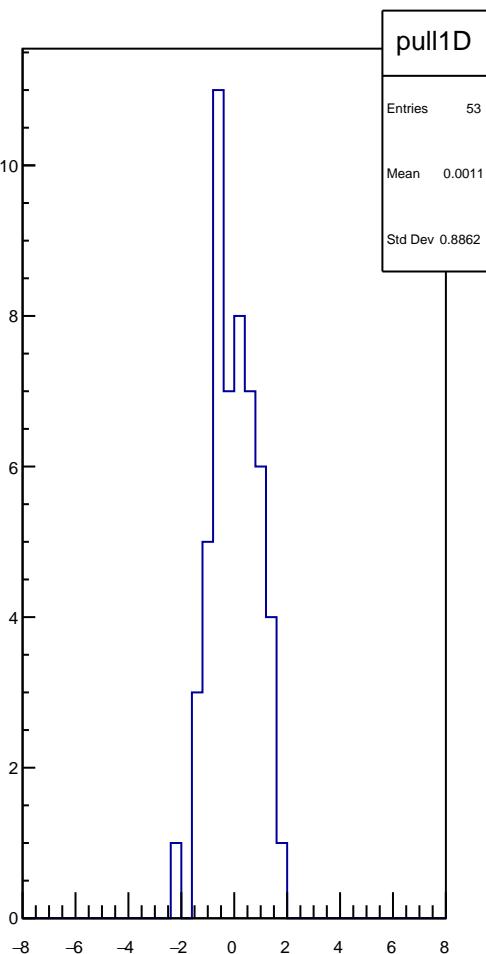
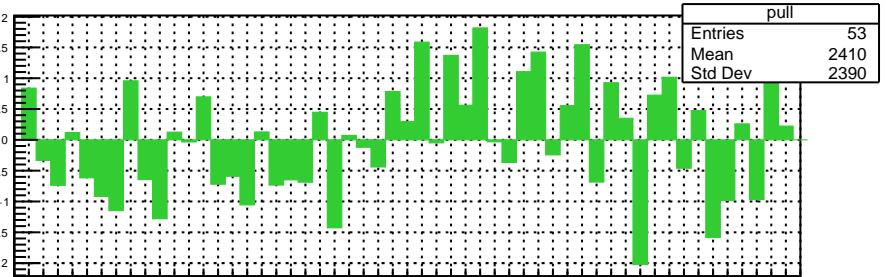
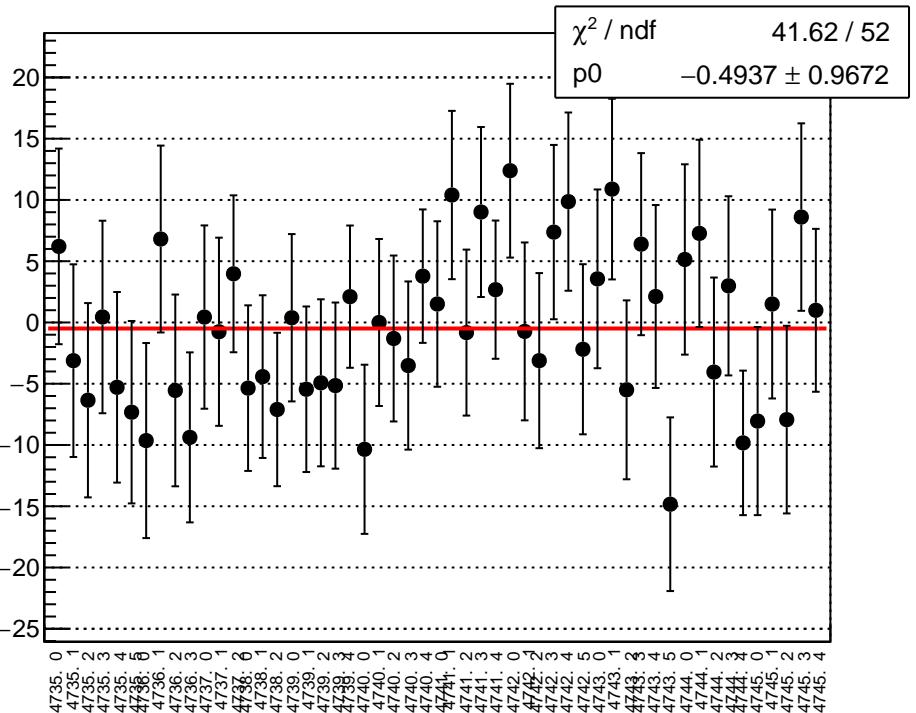
# diff\_cav4cX\_mean vs run



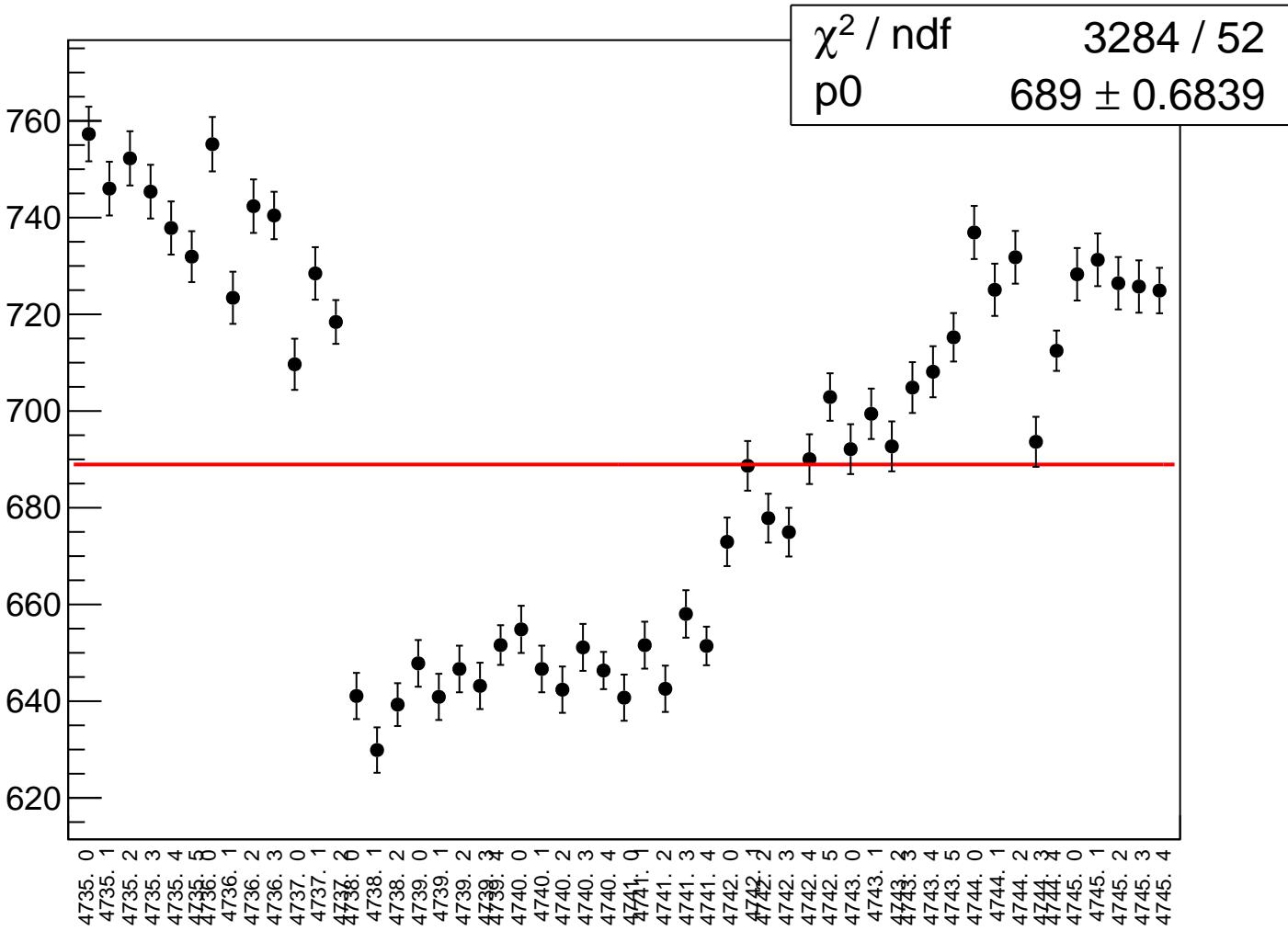
# diff\_cav4cX\_rms vs run



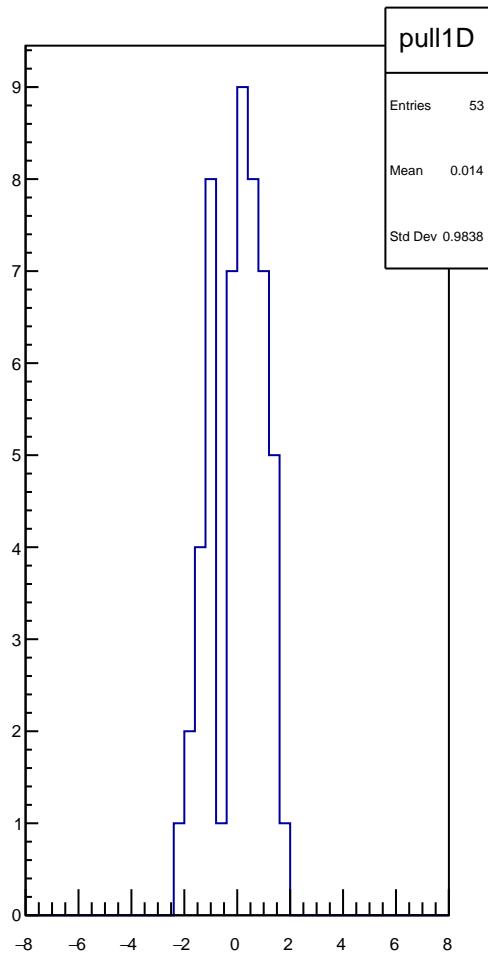
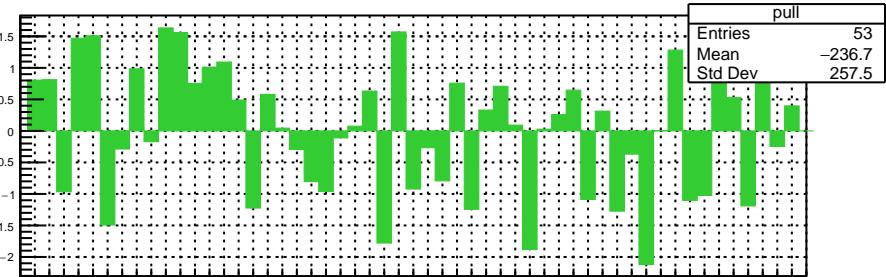
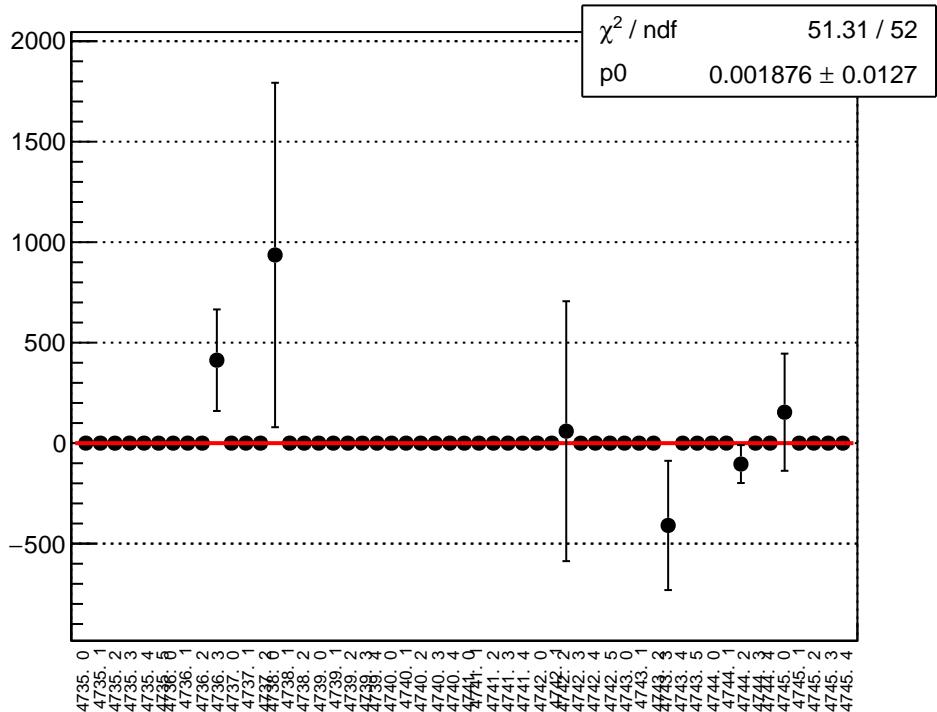
# diff\_cav4cY\_mean vs run



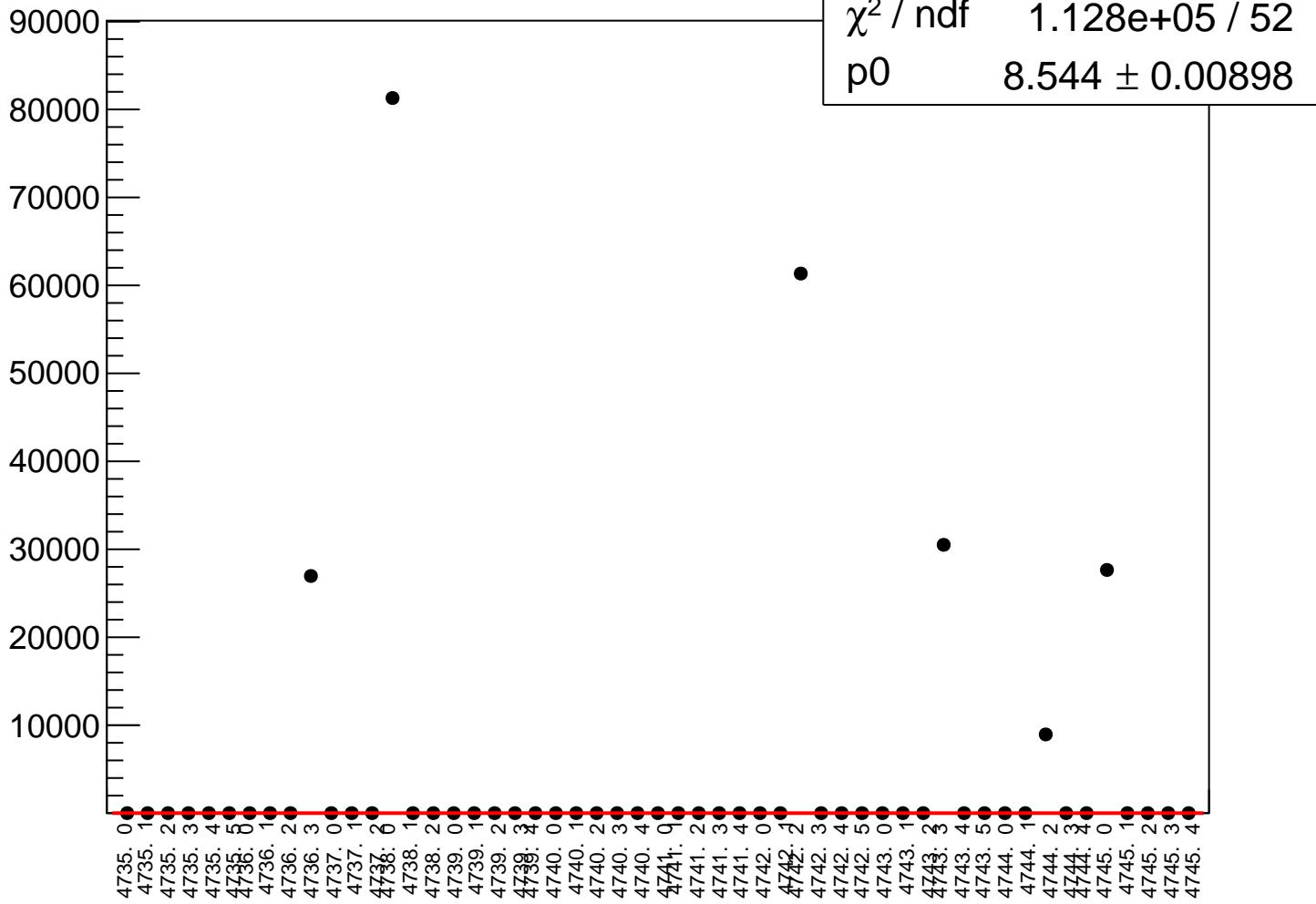
# diff\_cav4cY\_rms vs run



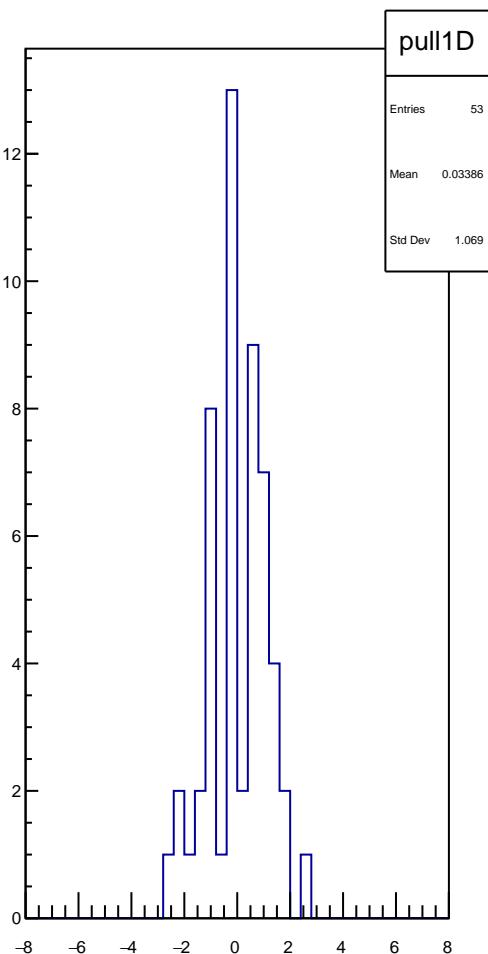
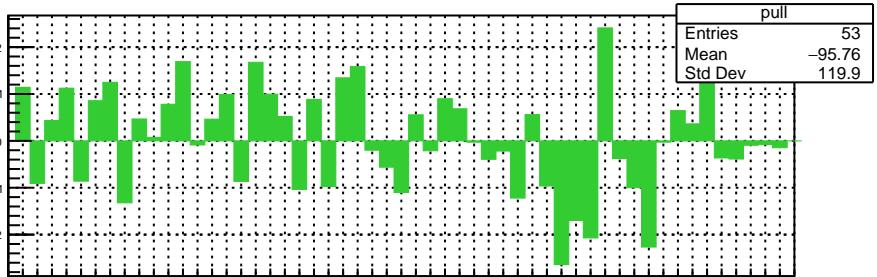
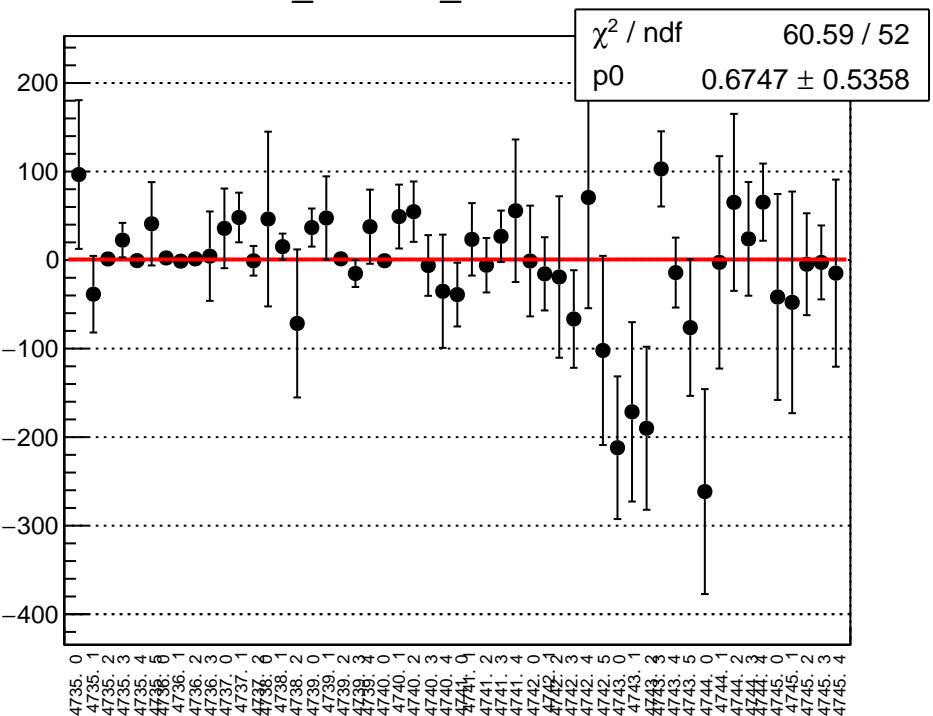
# diff\_cav4dX\_mean vs run



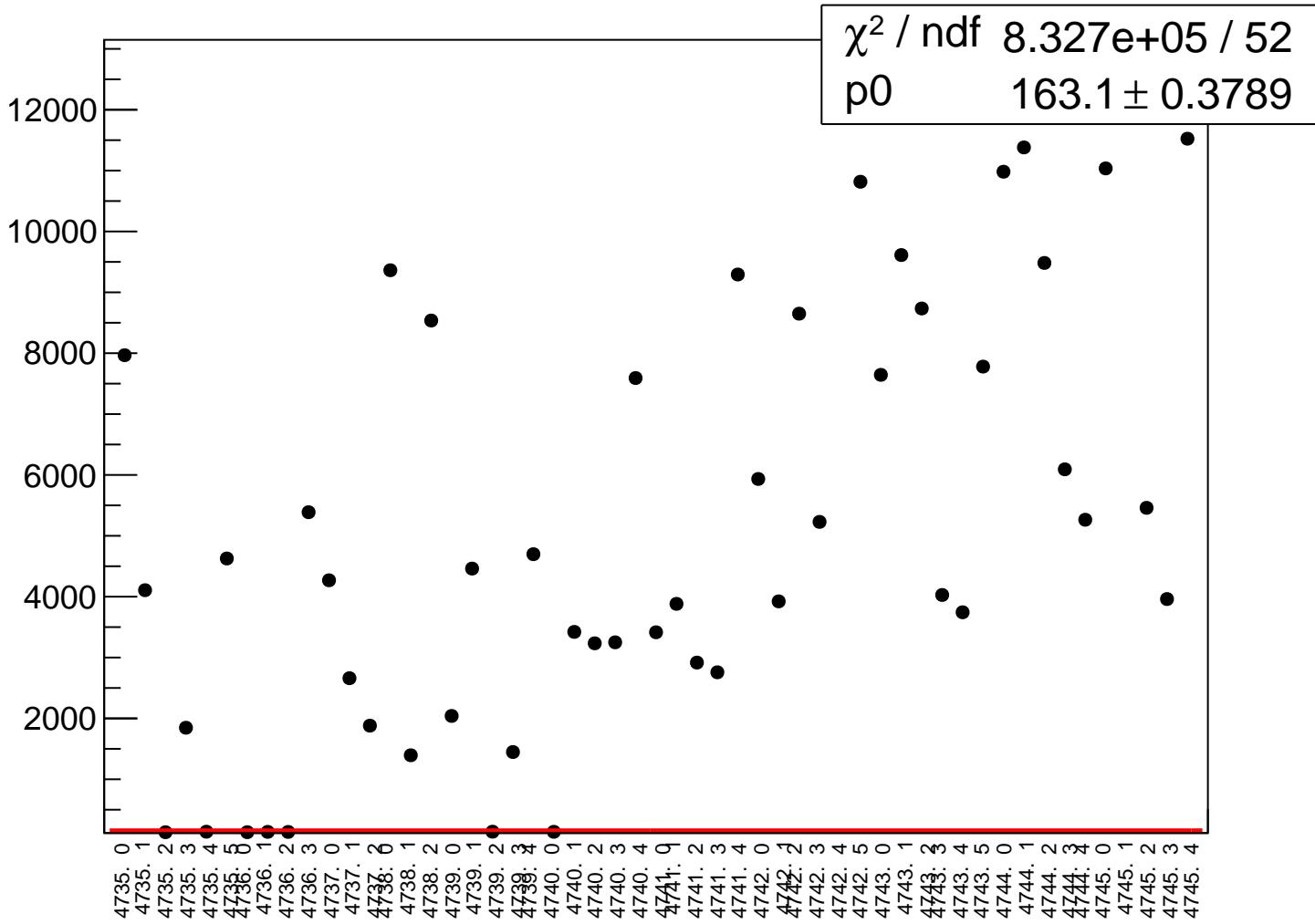
# diff\_cav4dX\_rms vs run

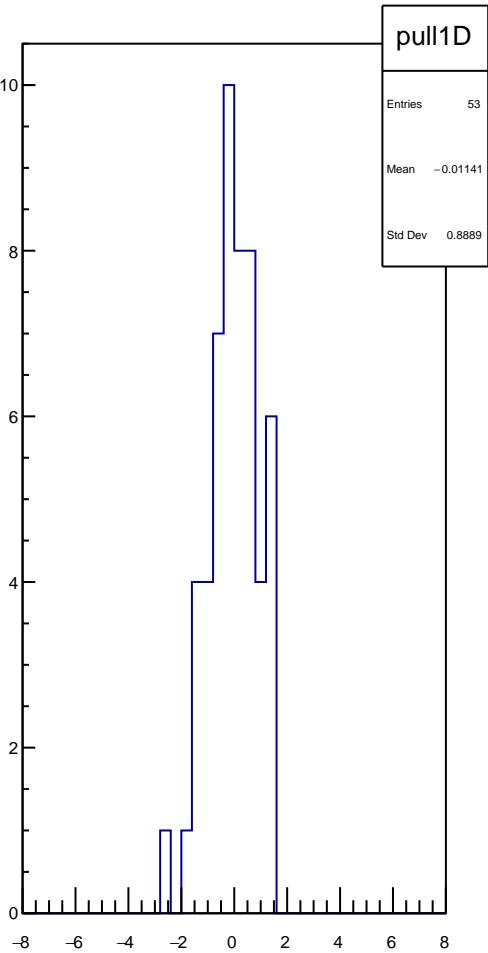
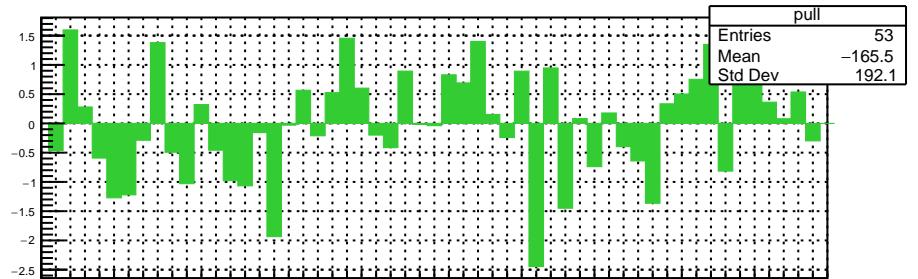
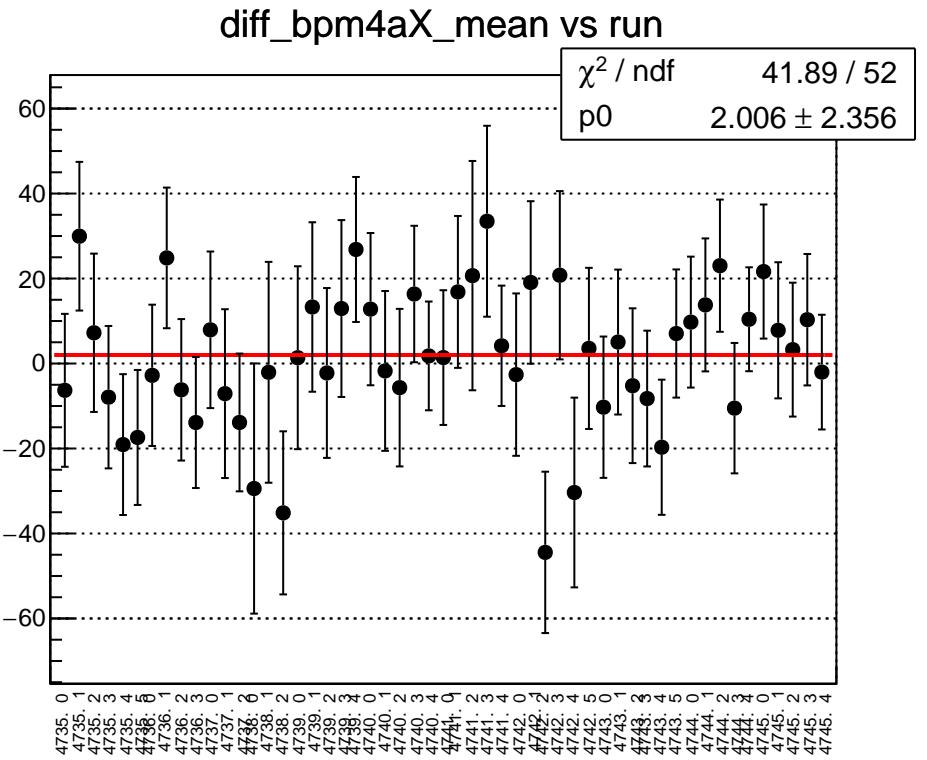


# diff\_cav4dY\_mean vs run

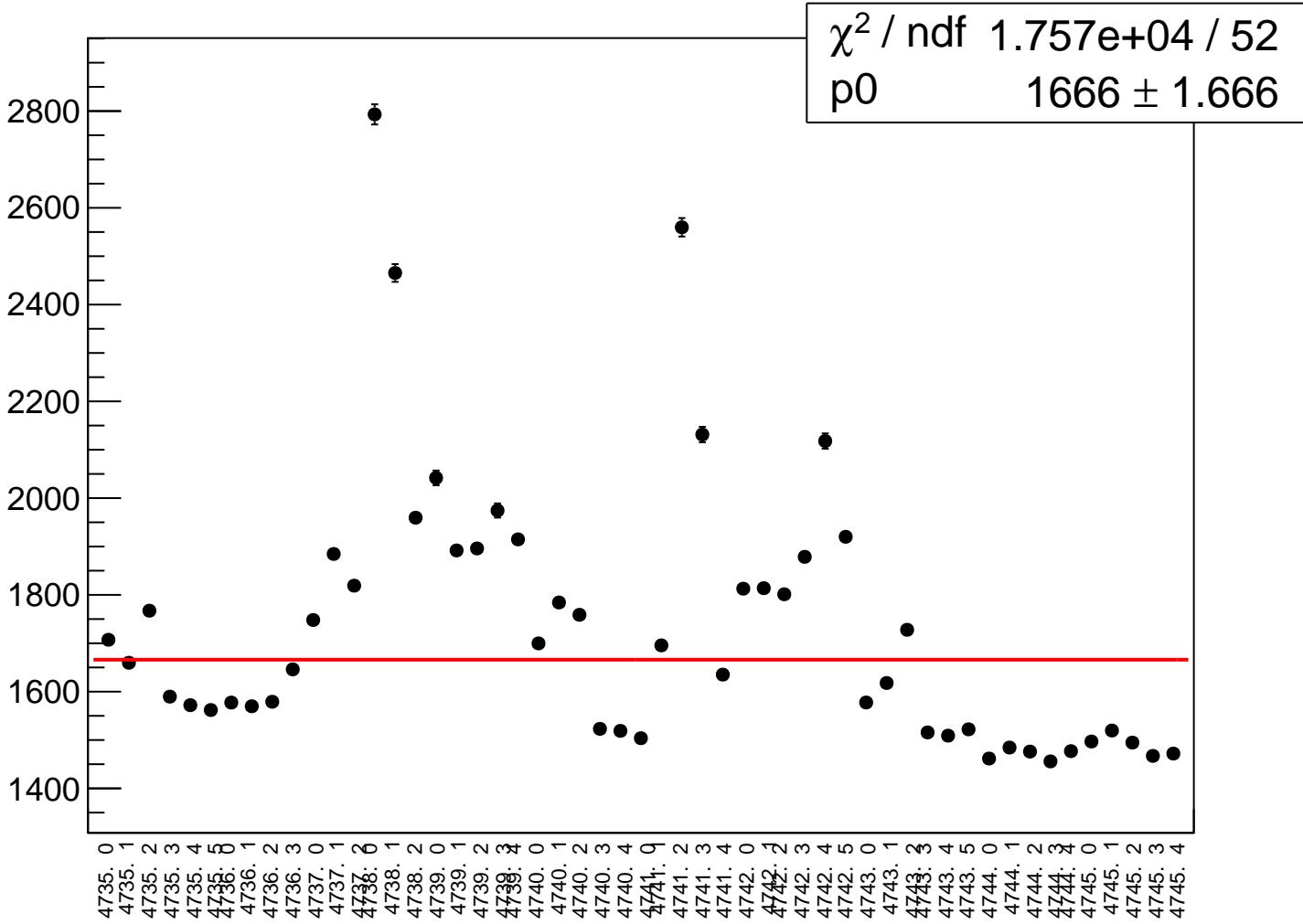


# diff\_cav4dY\_rms vs run

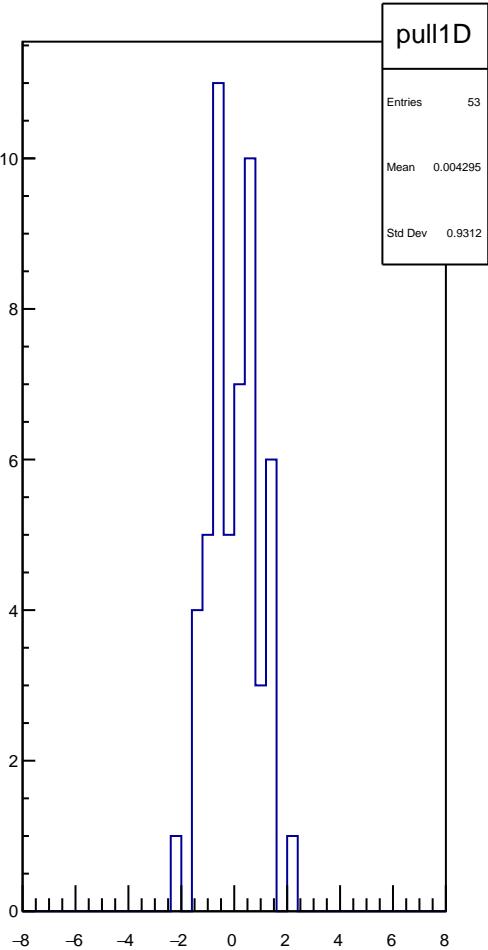
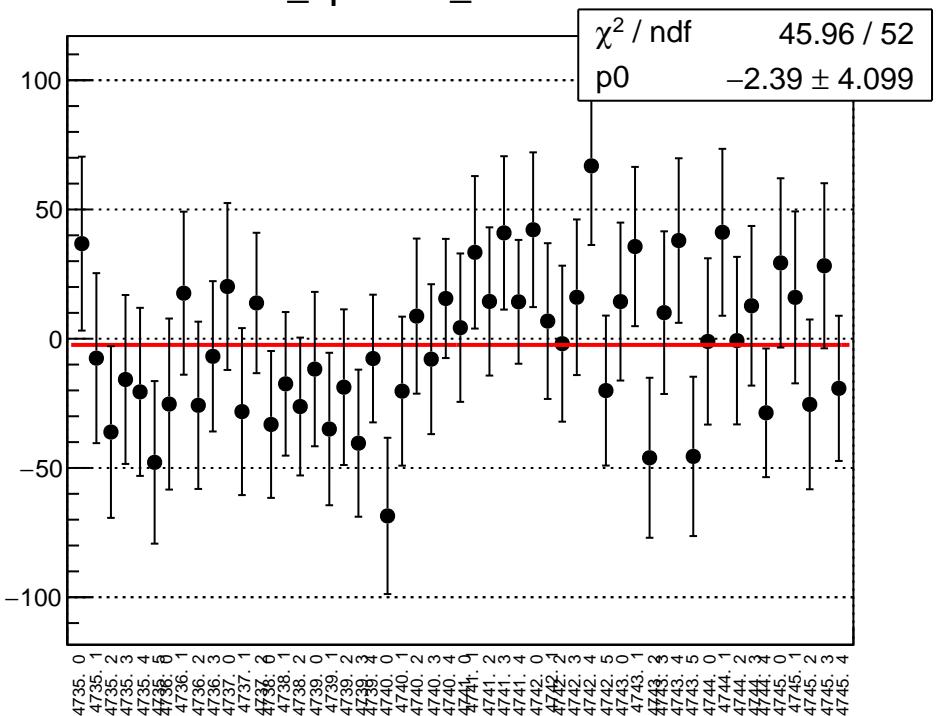




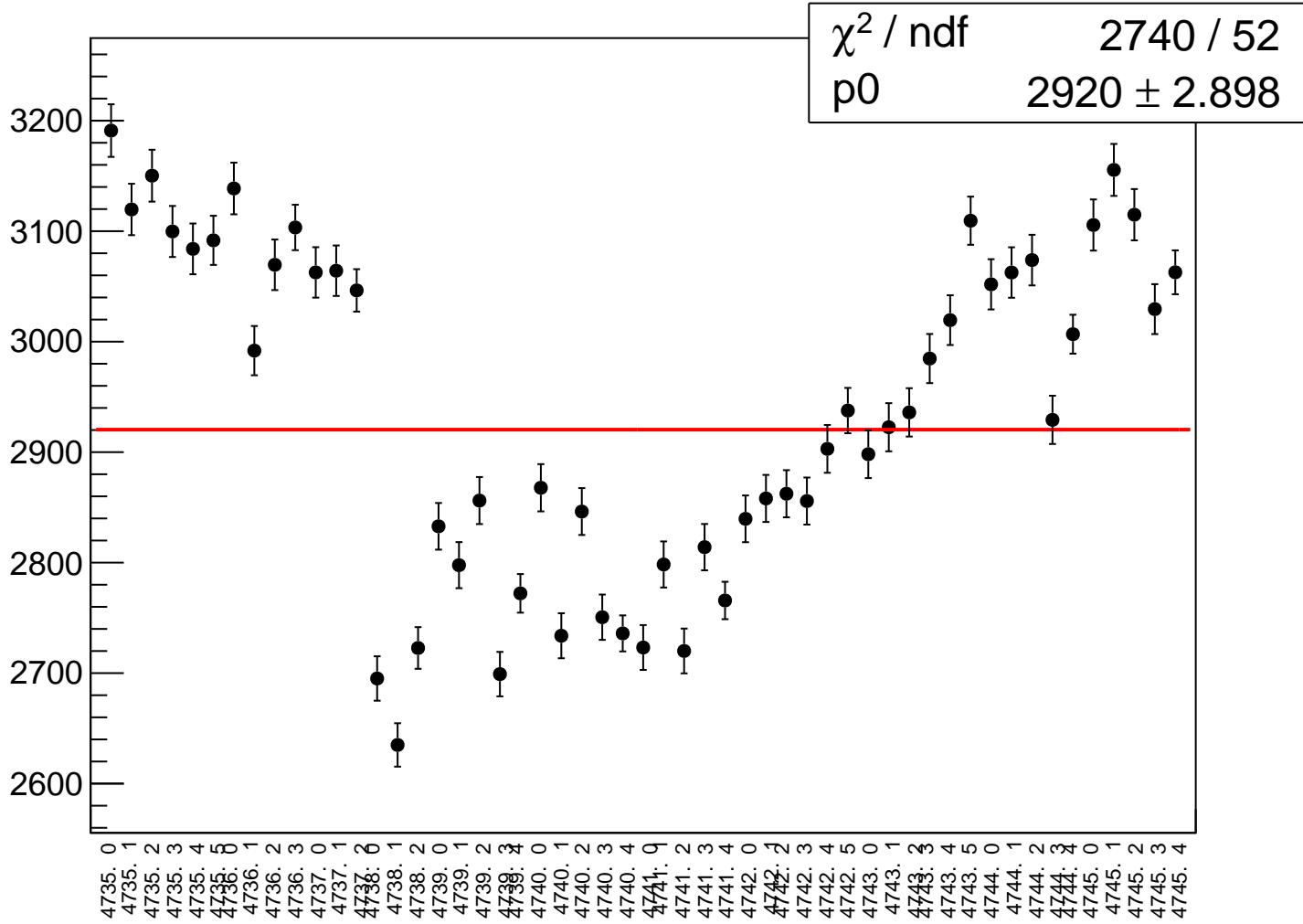
# diff\_bpm4aX\_rms vs run



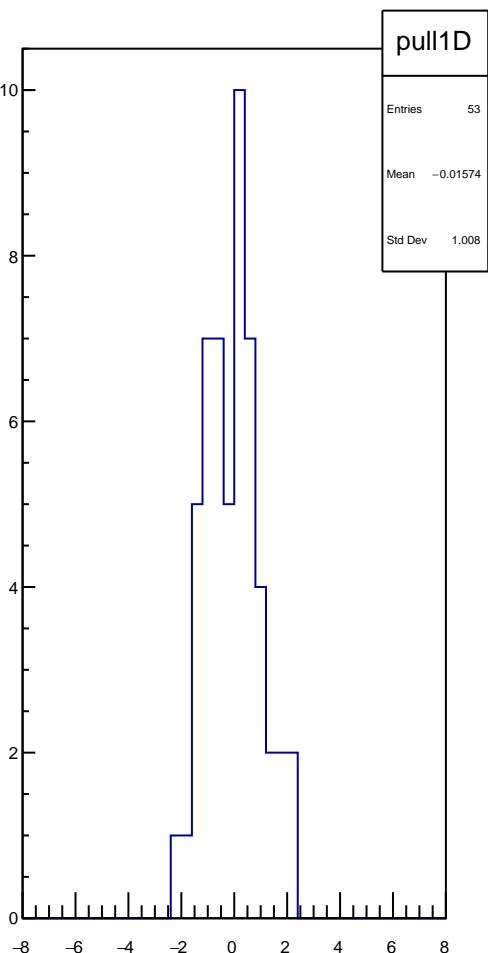
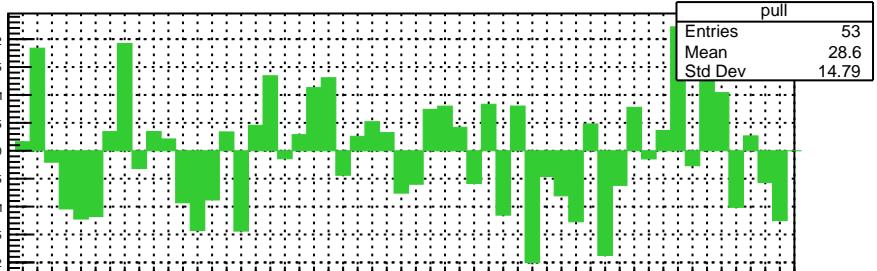
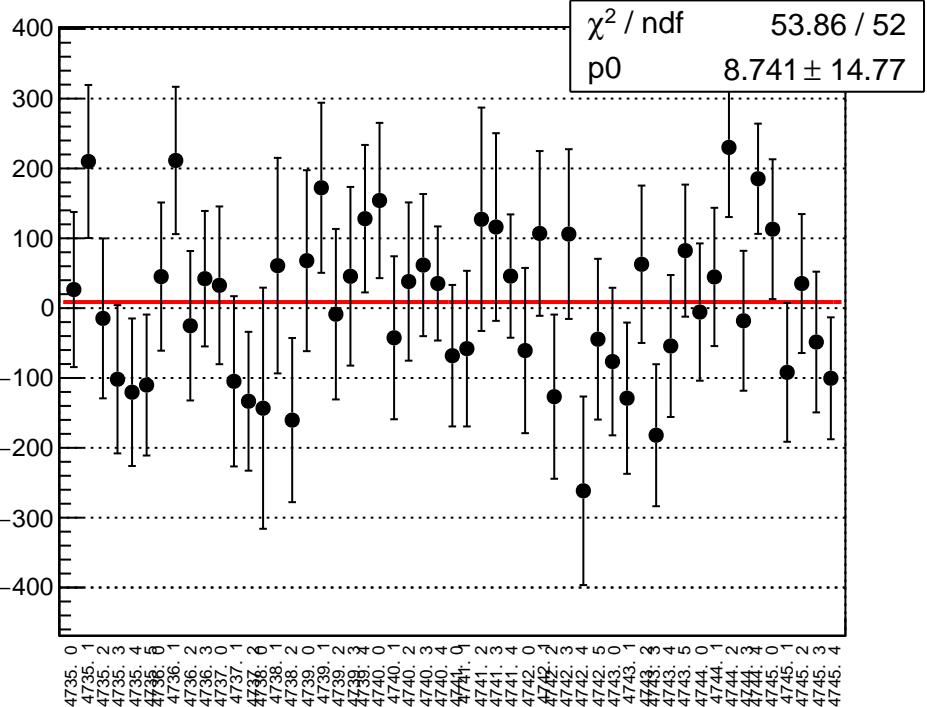
# diff\_bpm4aY\_mean vs run



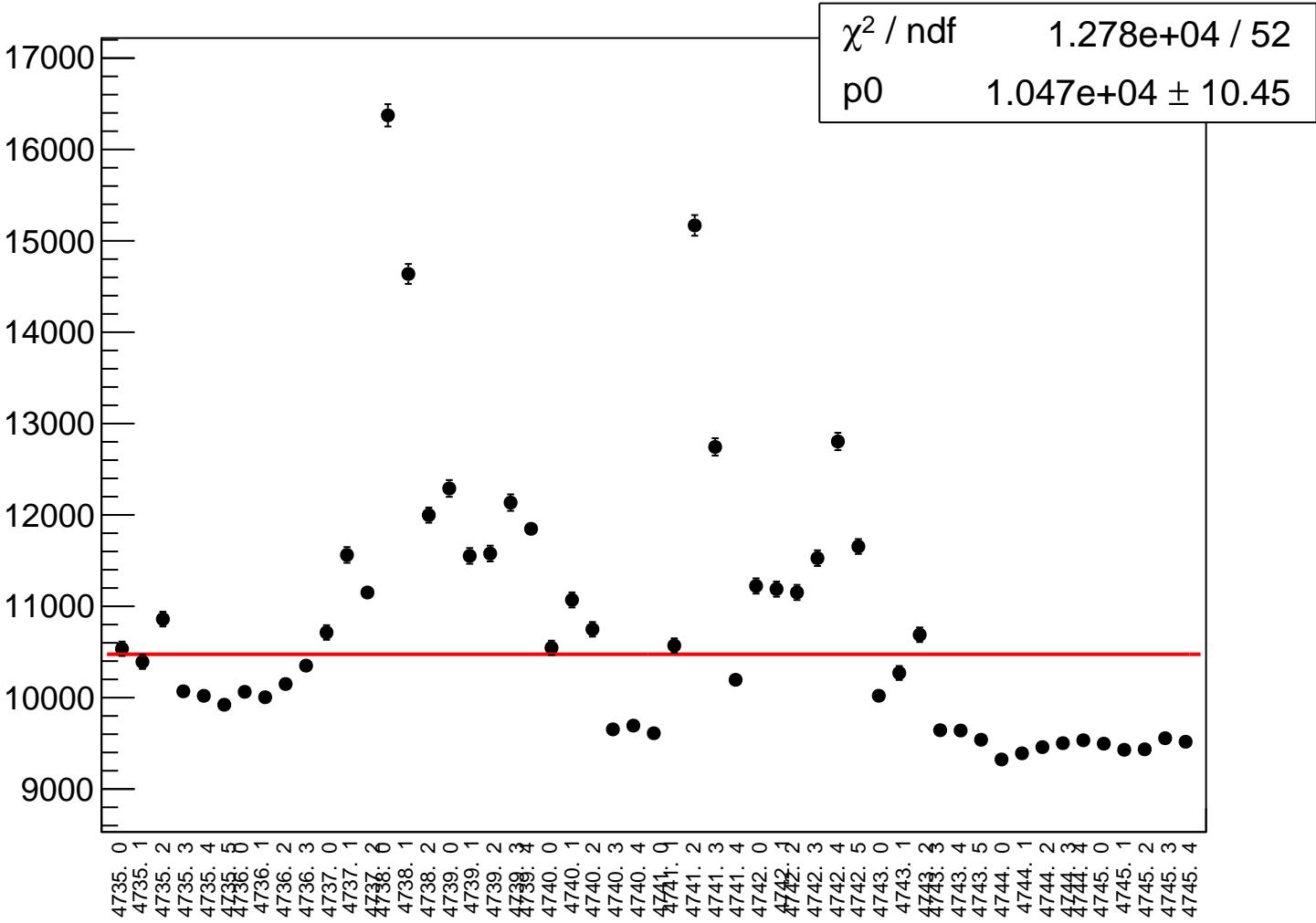
# diff\_bpm4aY\_rms vs run



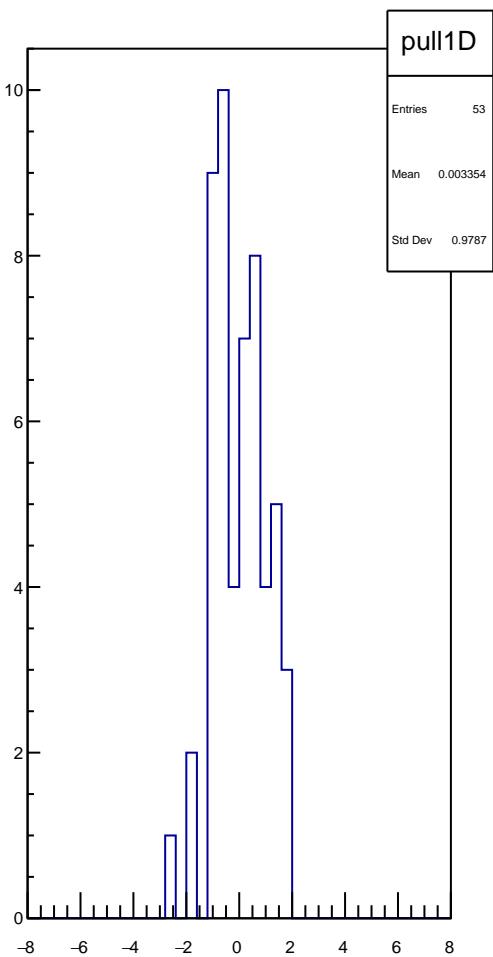
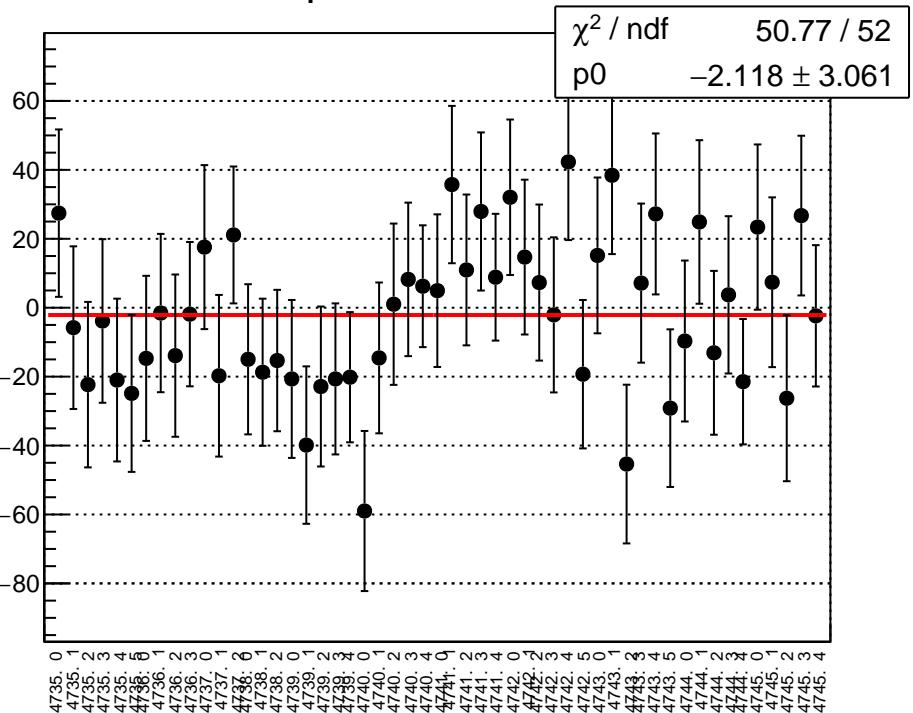
# diff\_bpm4eX\_mean vs run



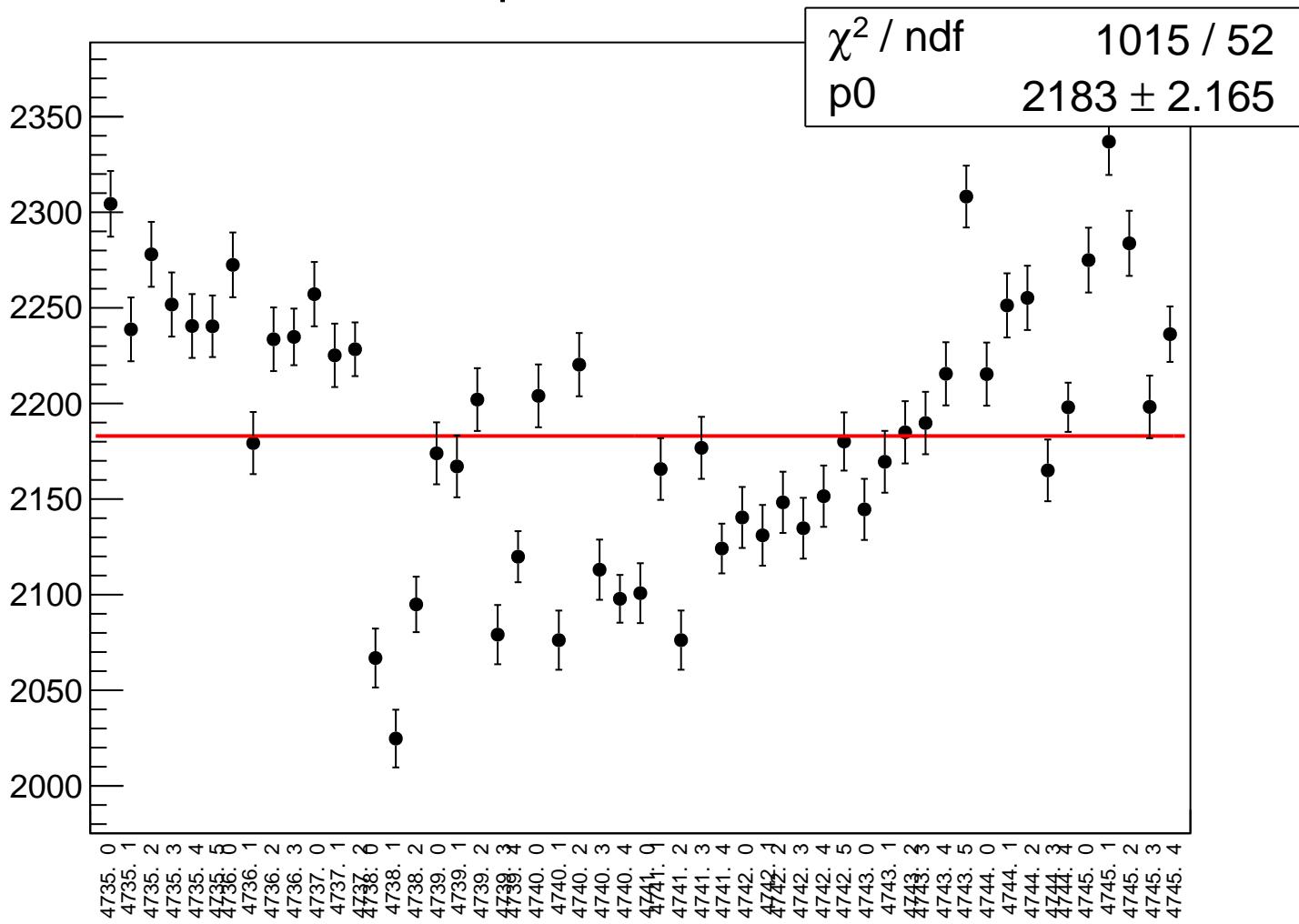
# diff\_bpm4eX\_rms vs run



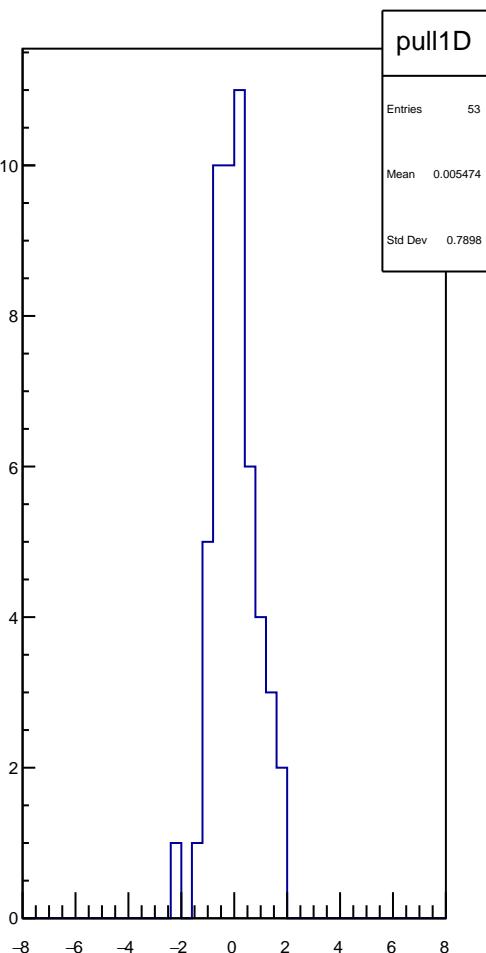
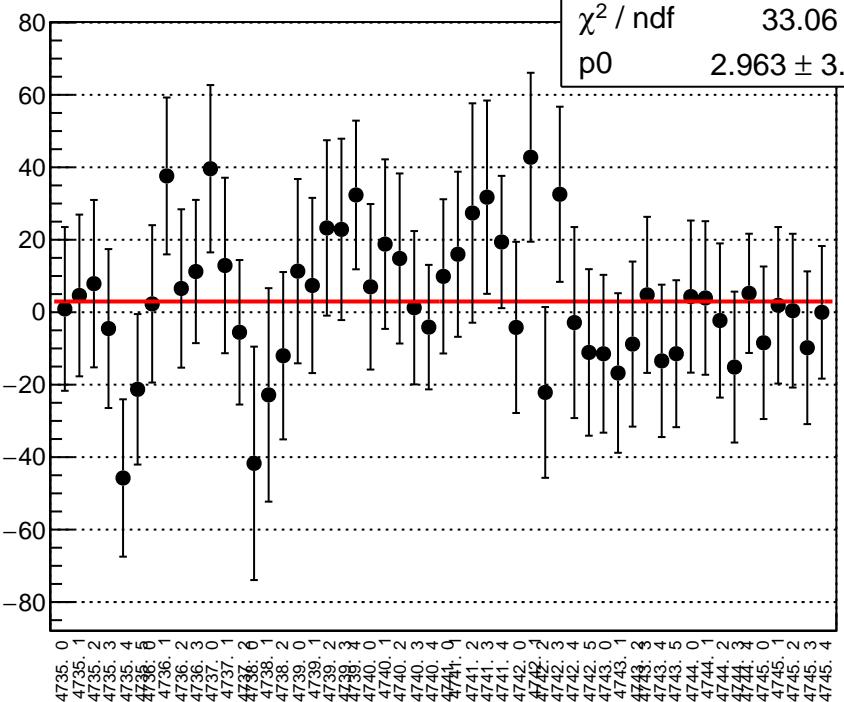
# diff\_bpm4eY\_mean vs run



# diff\_bpm4eY\_rms vs run

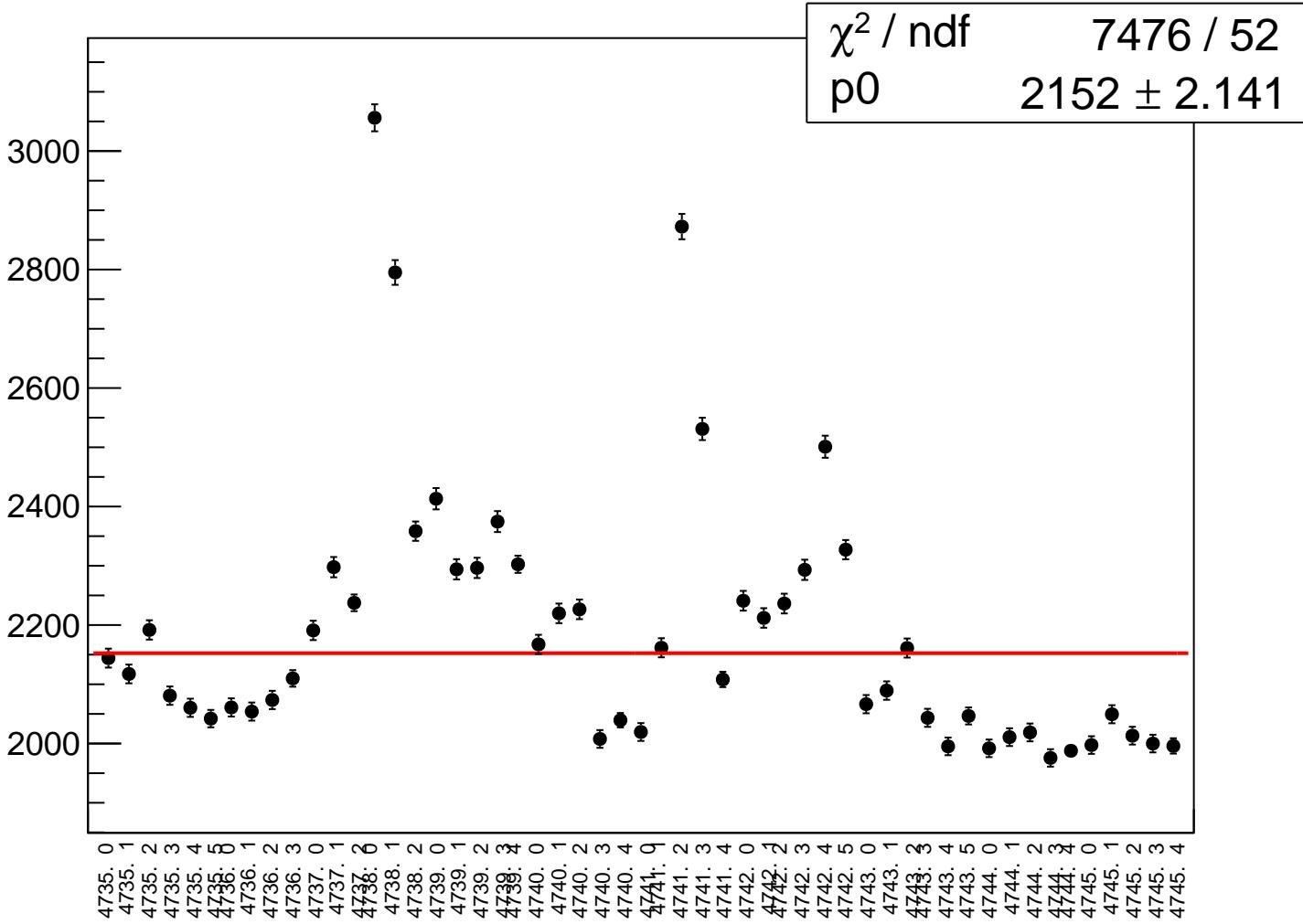


# diff\_bpm4acX\_mean vs run

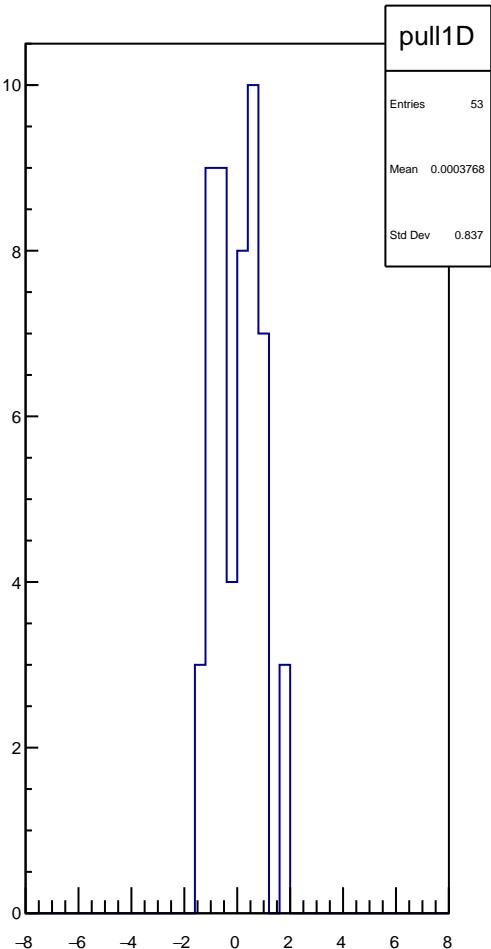
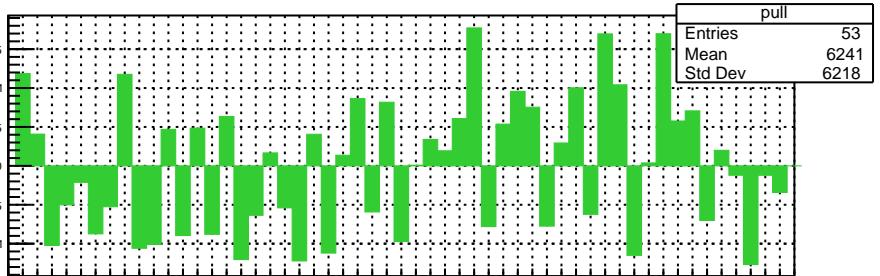
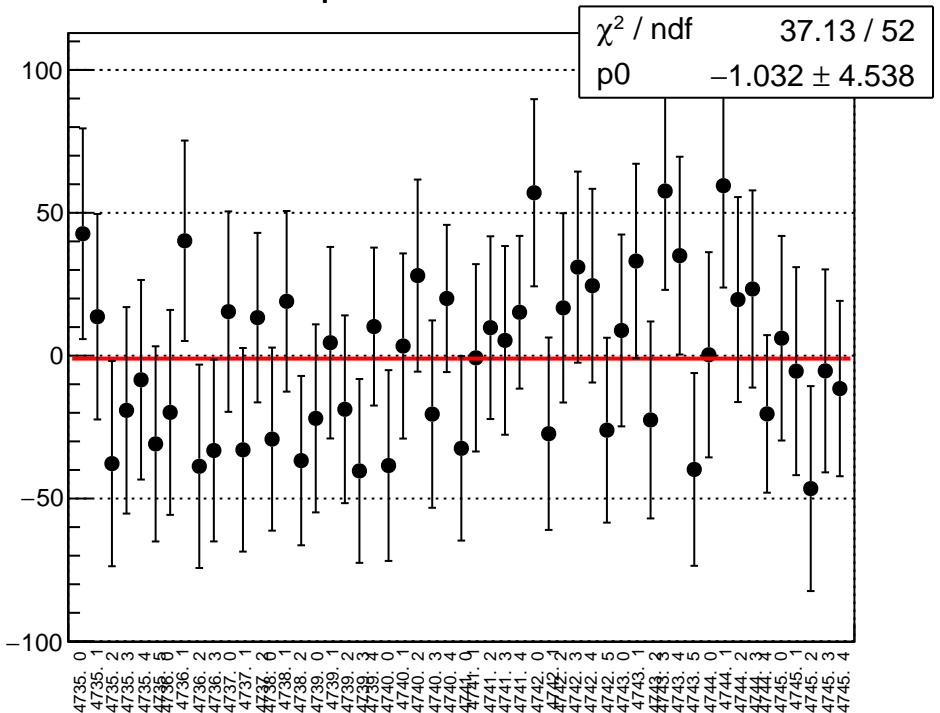


pull1D

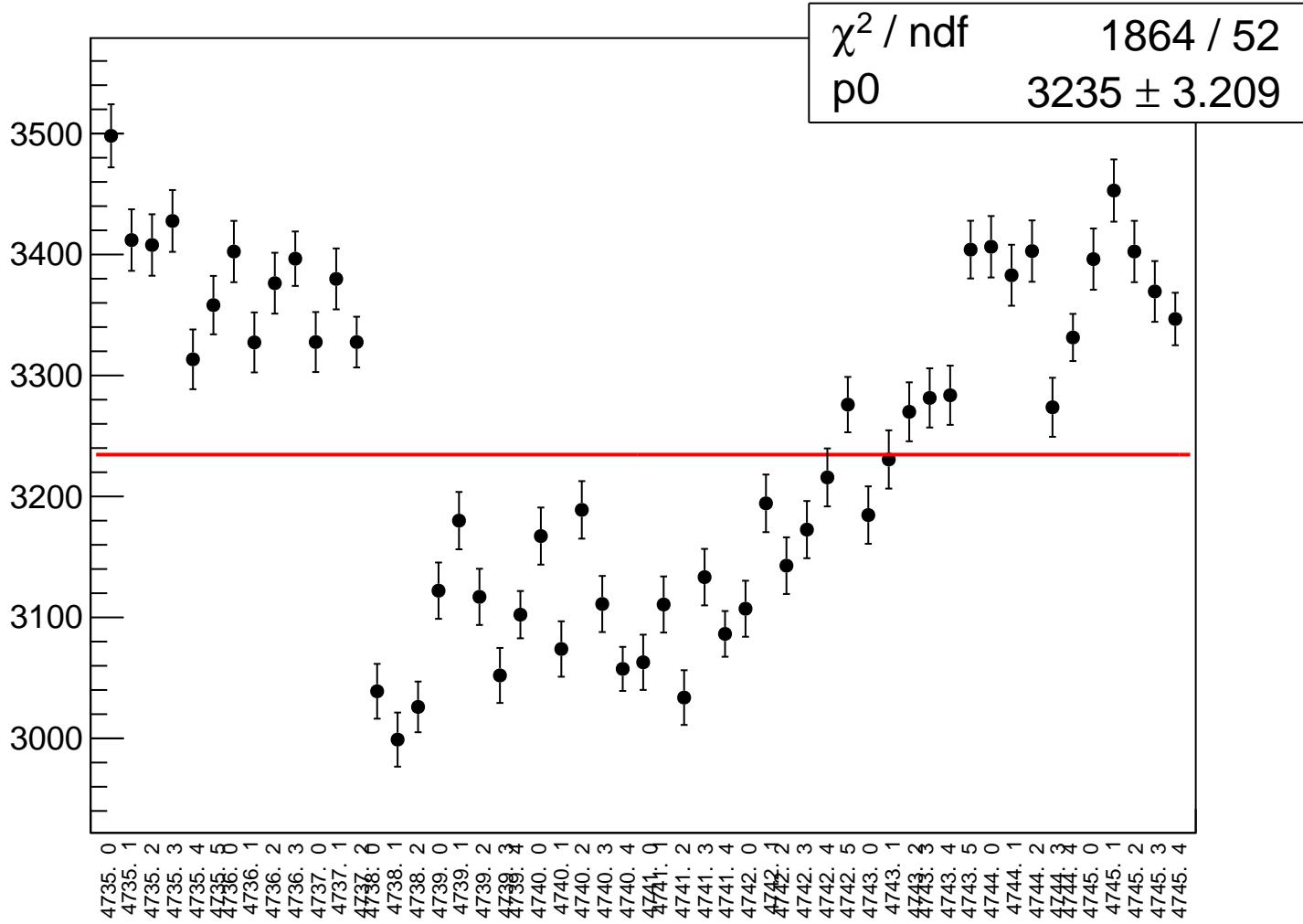
# diff\_bpm4acX\_rms vs run



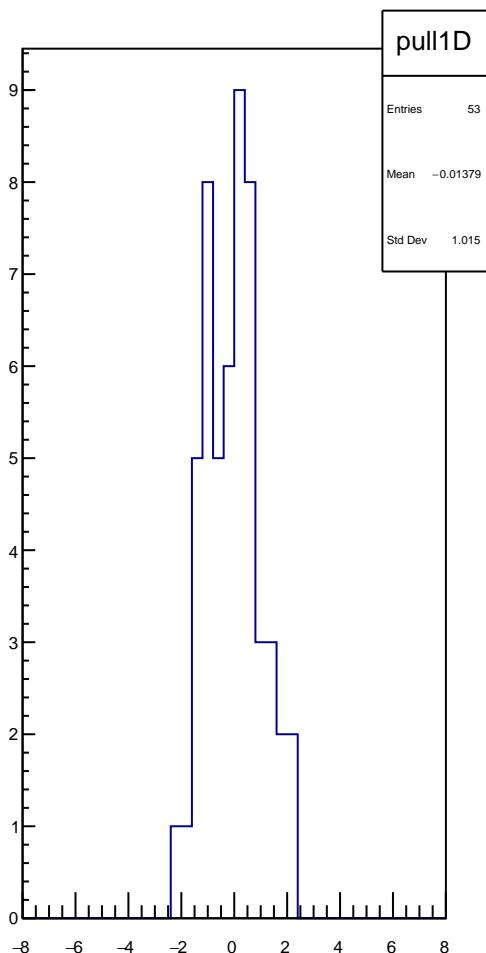
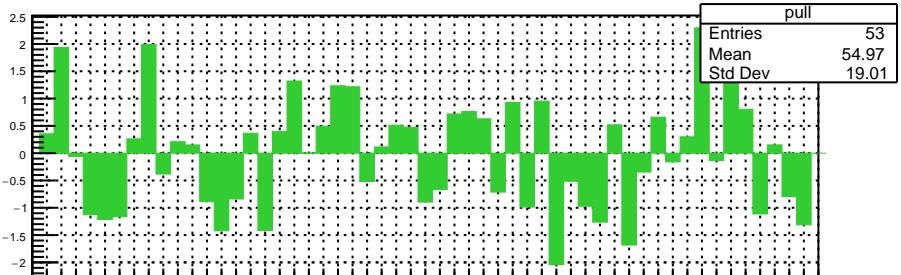
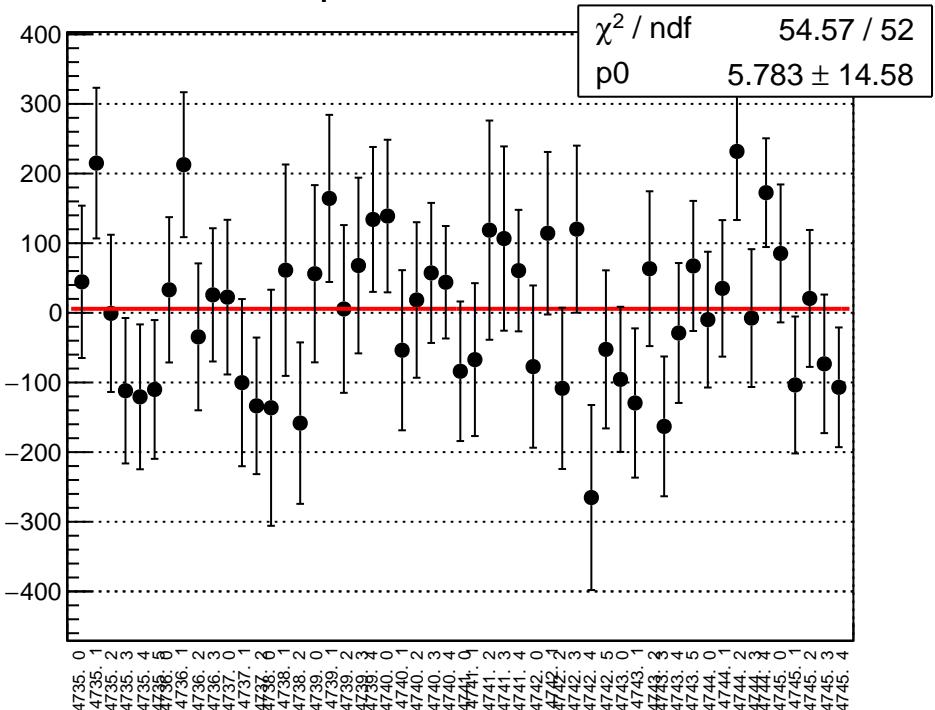
# diff\_bpm4acY\_mean vs run



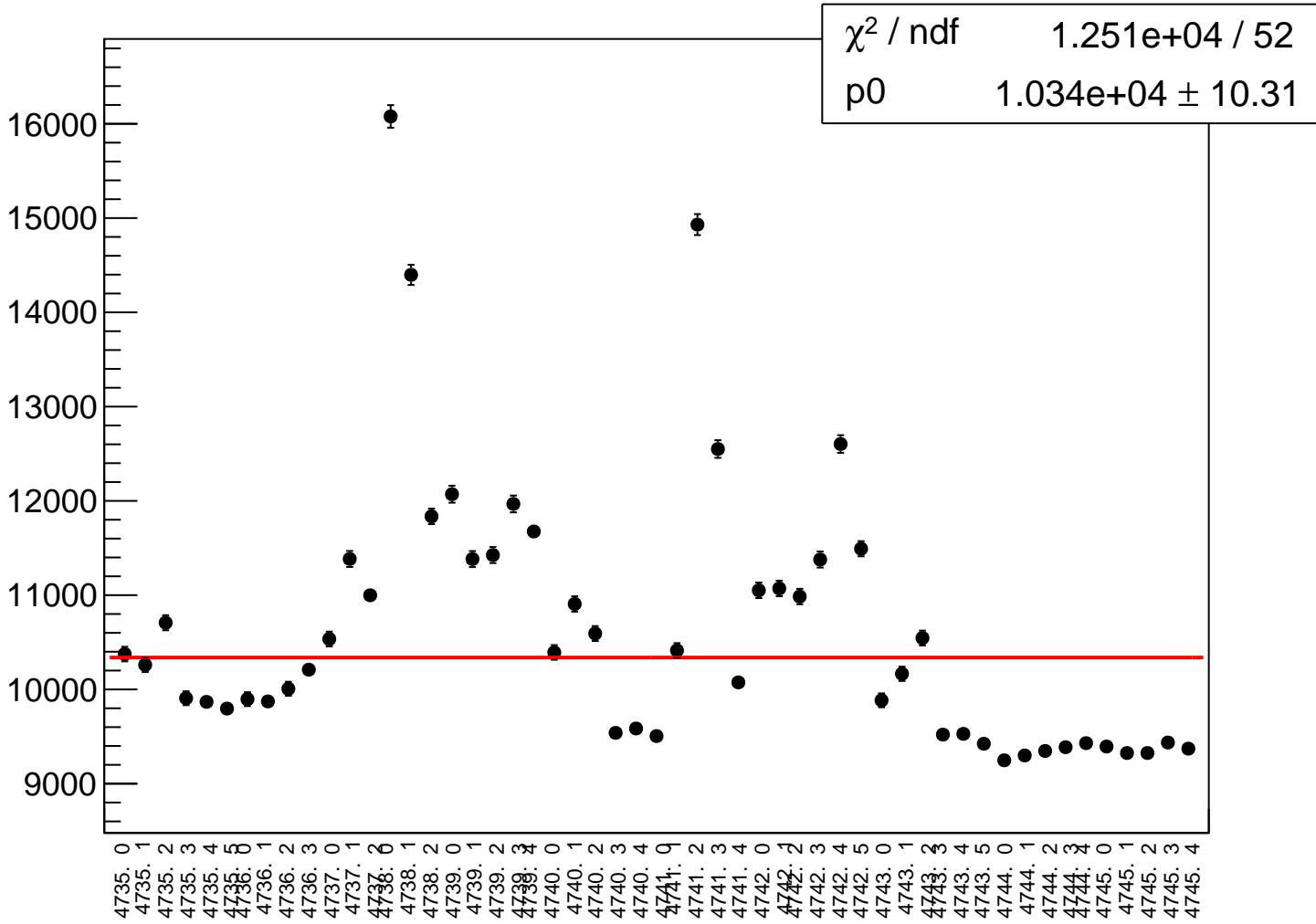
# diff\_bpm4acY\_rms vs run



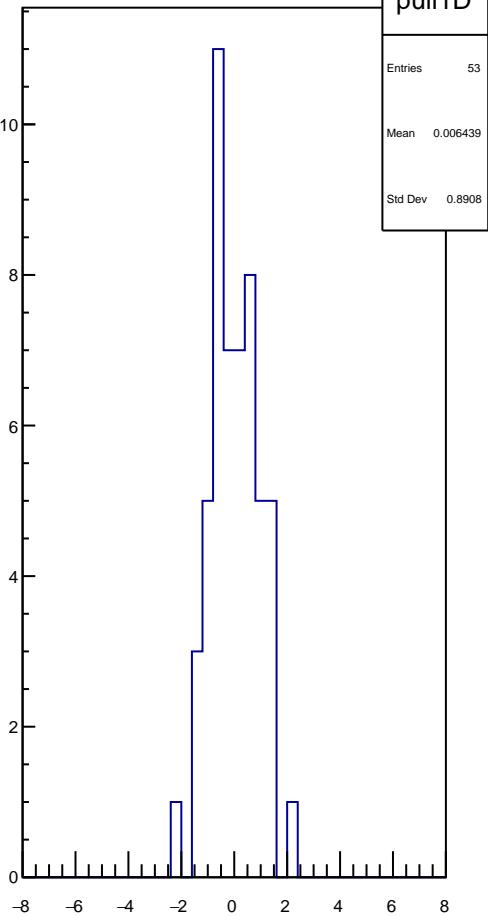
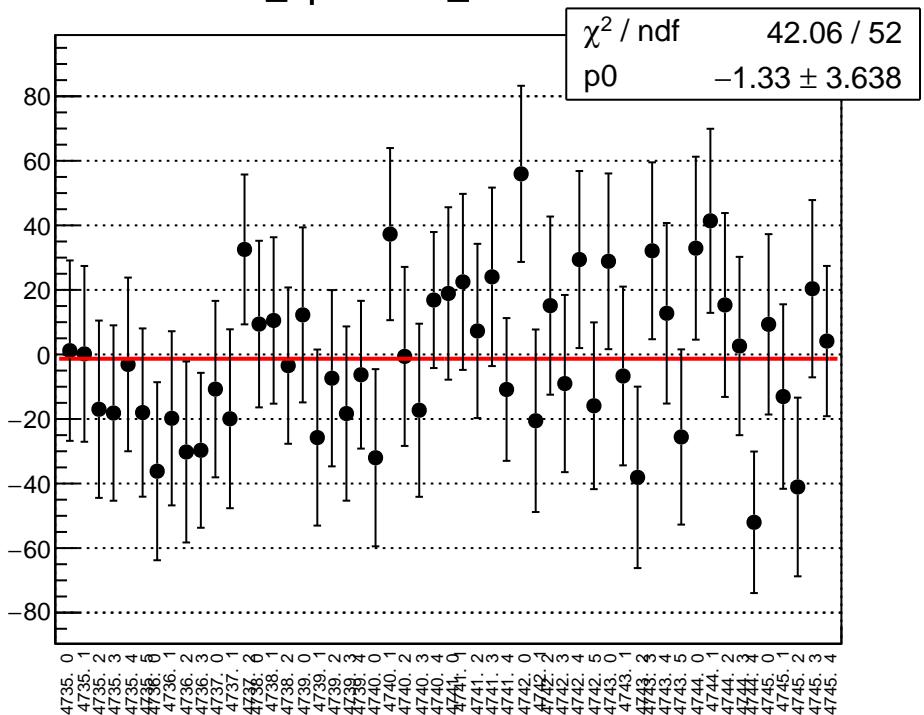
# diff\_bpm4ecX\_mean vs run



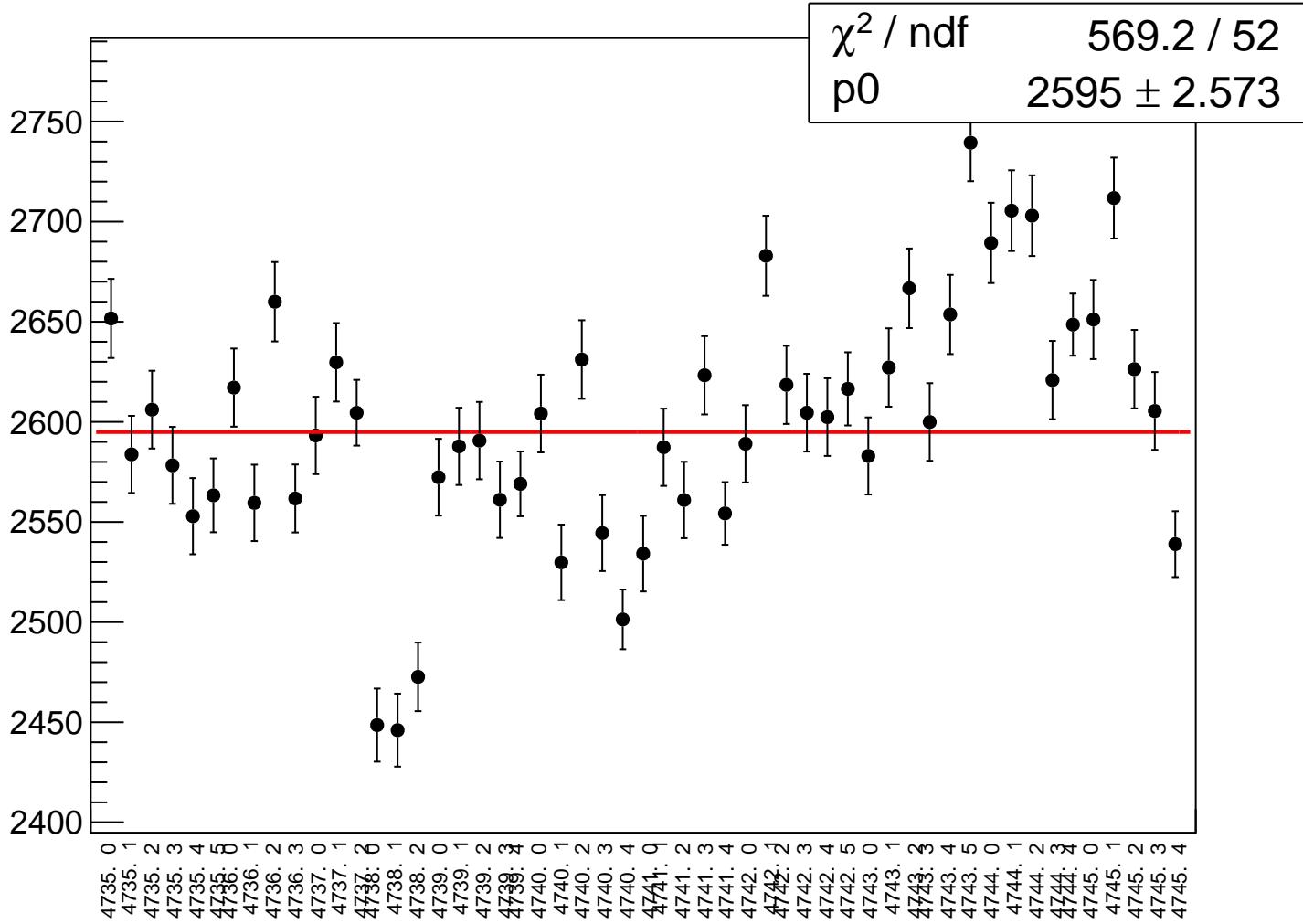
# diff\_bpm4ecX\_rms vs run

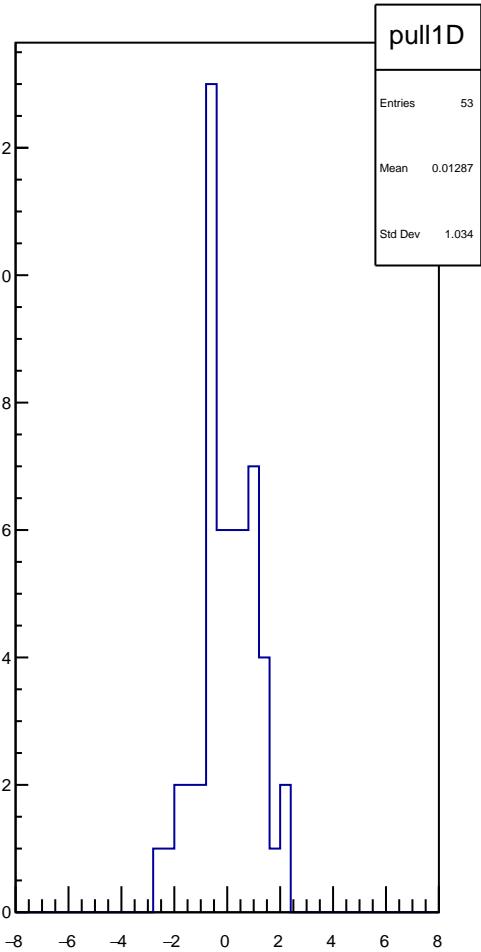
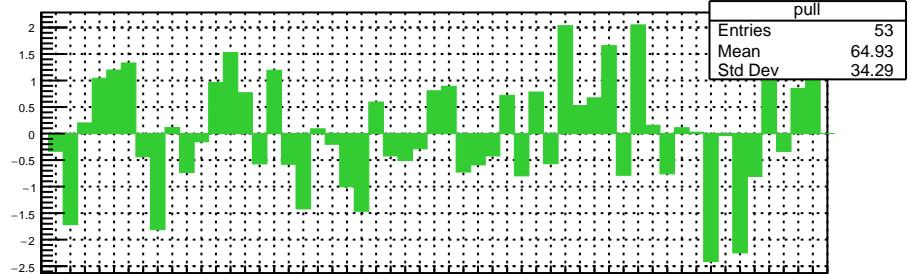
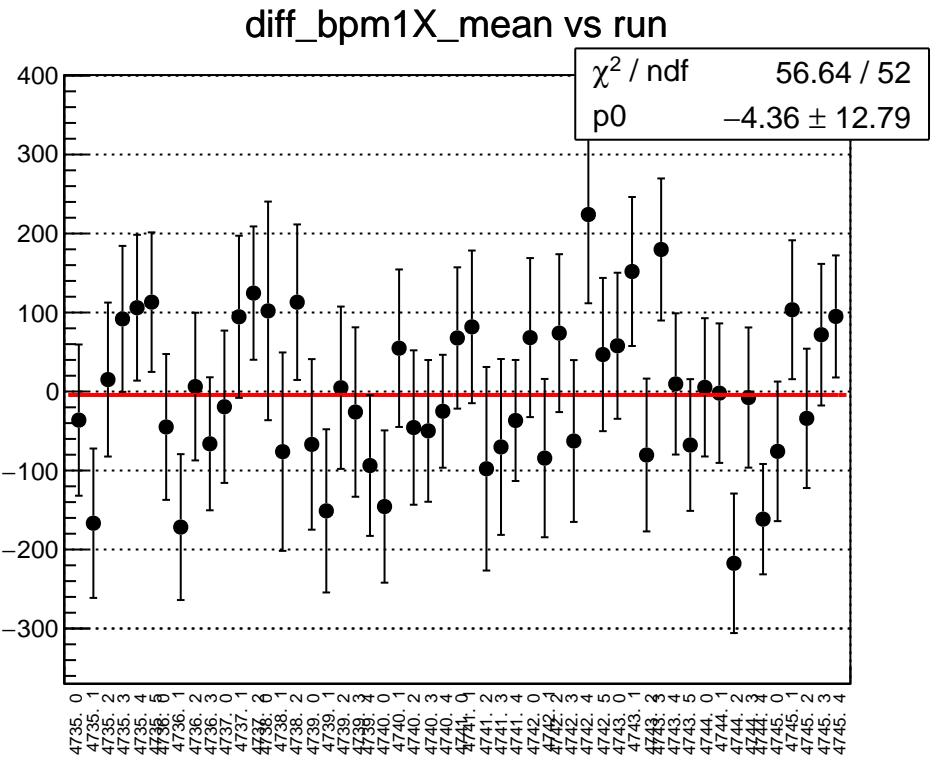


# diff\_bpm4ecY\_mean vs run

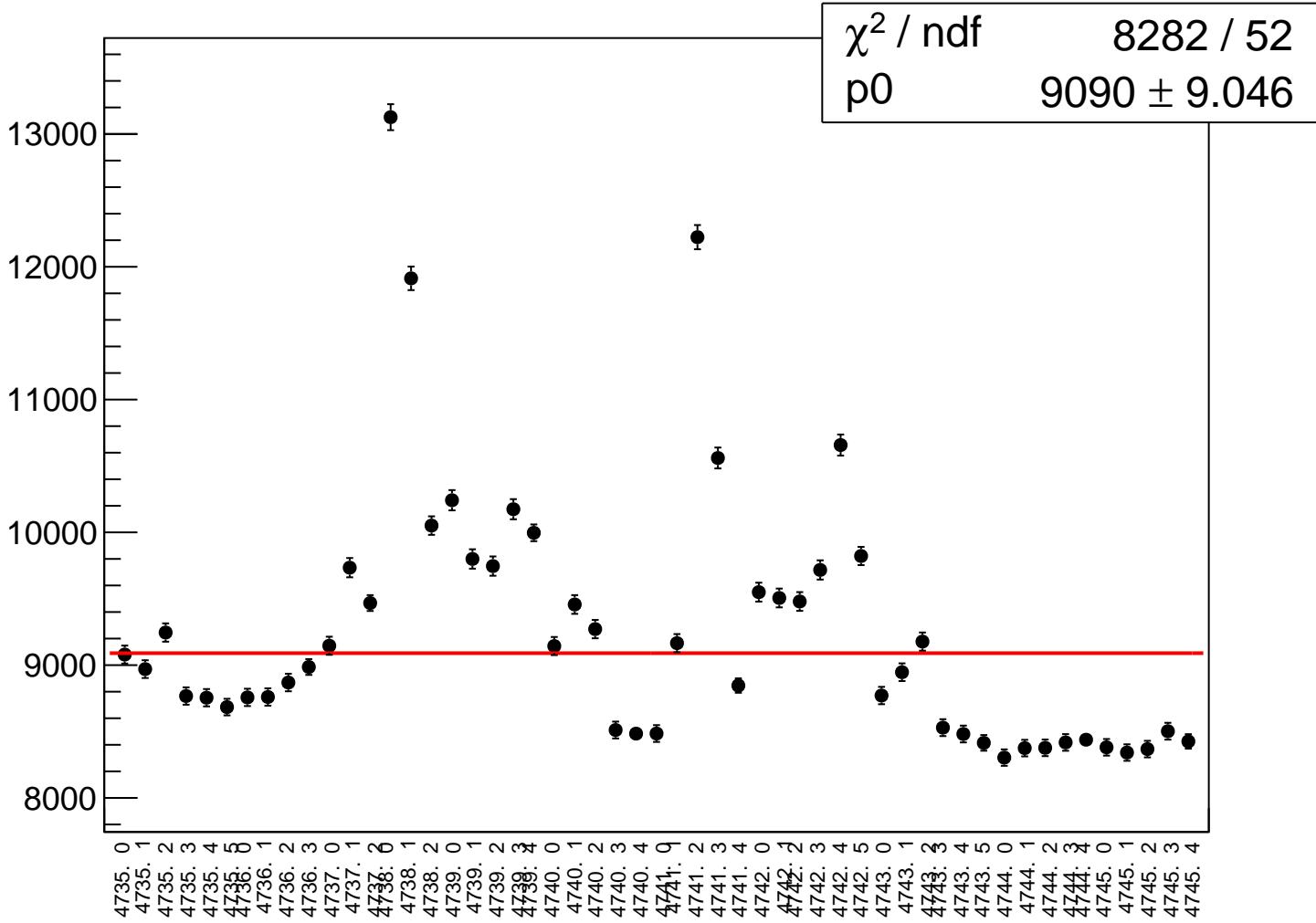


# diff\_bpm4ecY\_rms vs run

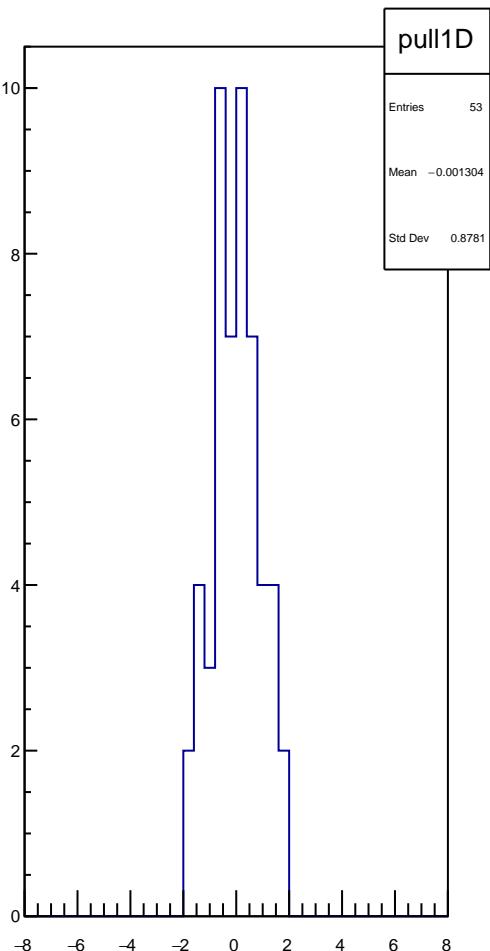
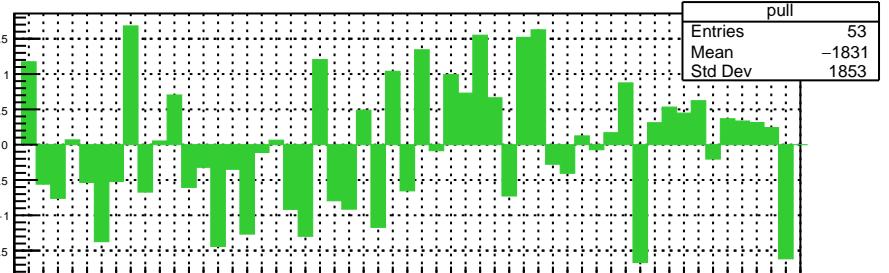
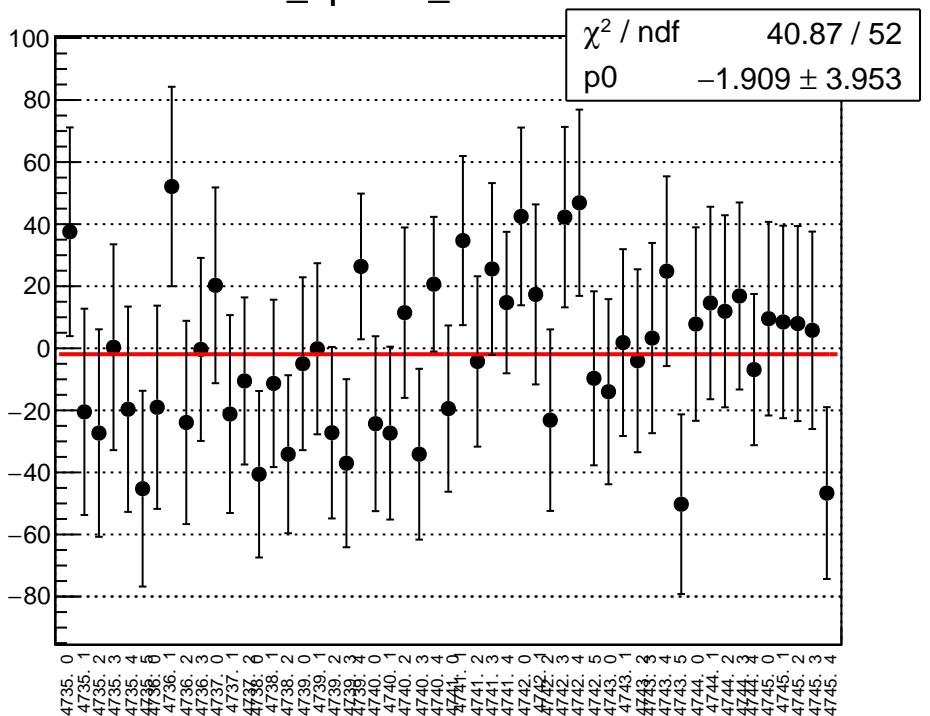




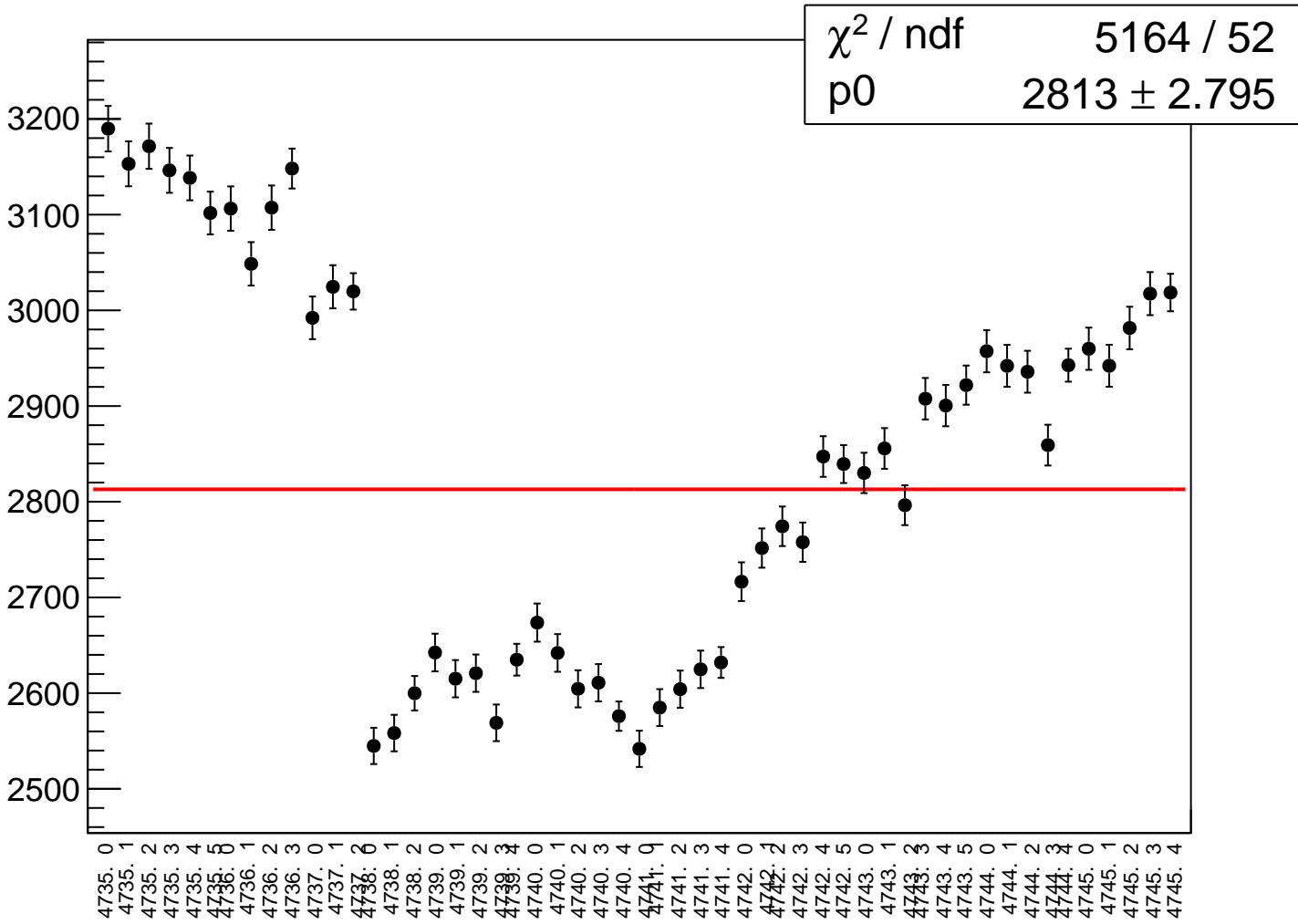
# diff\_bpm1X\_rms vs run



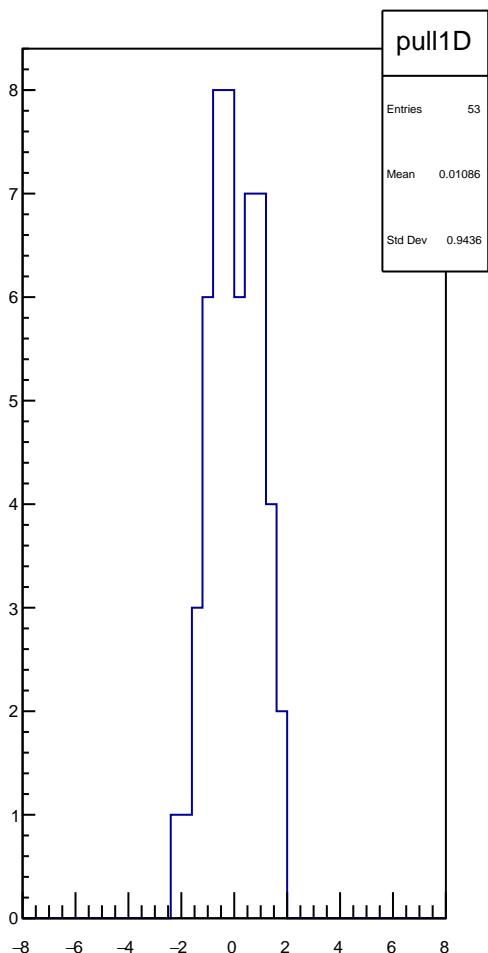
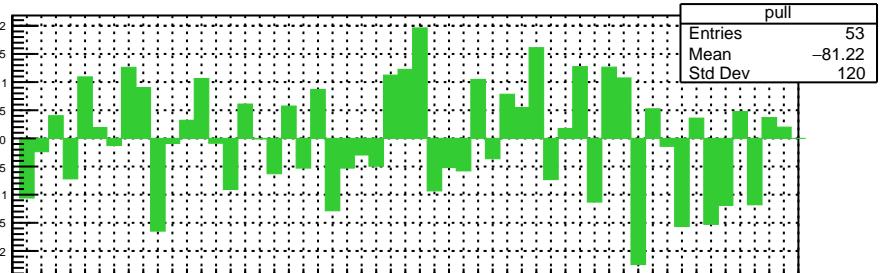
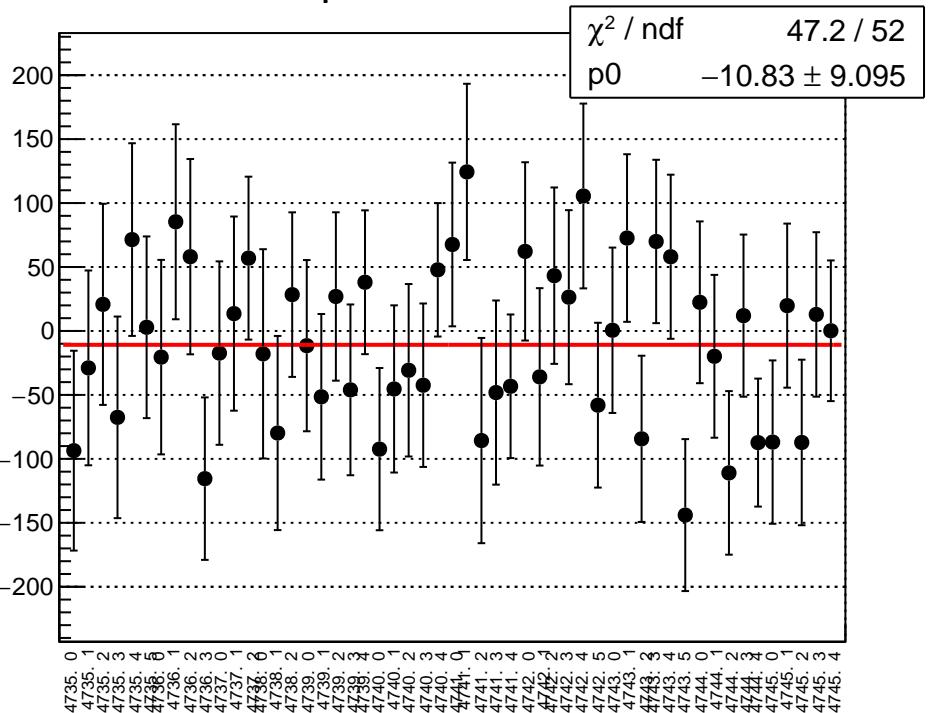
# diff\_bpm1Y\_mean vs run



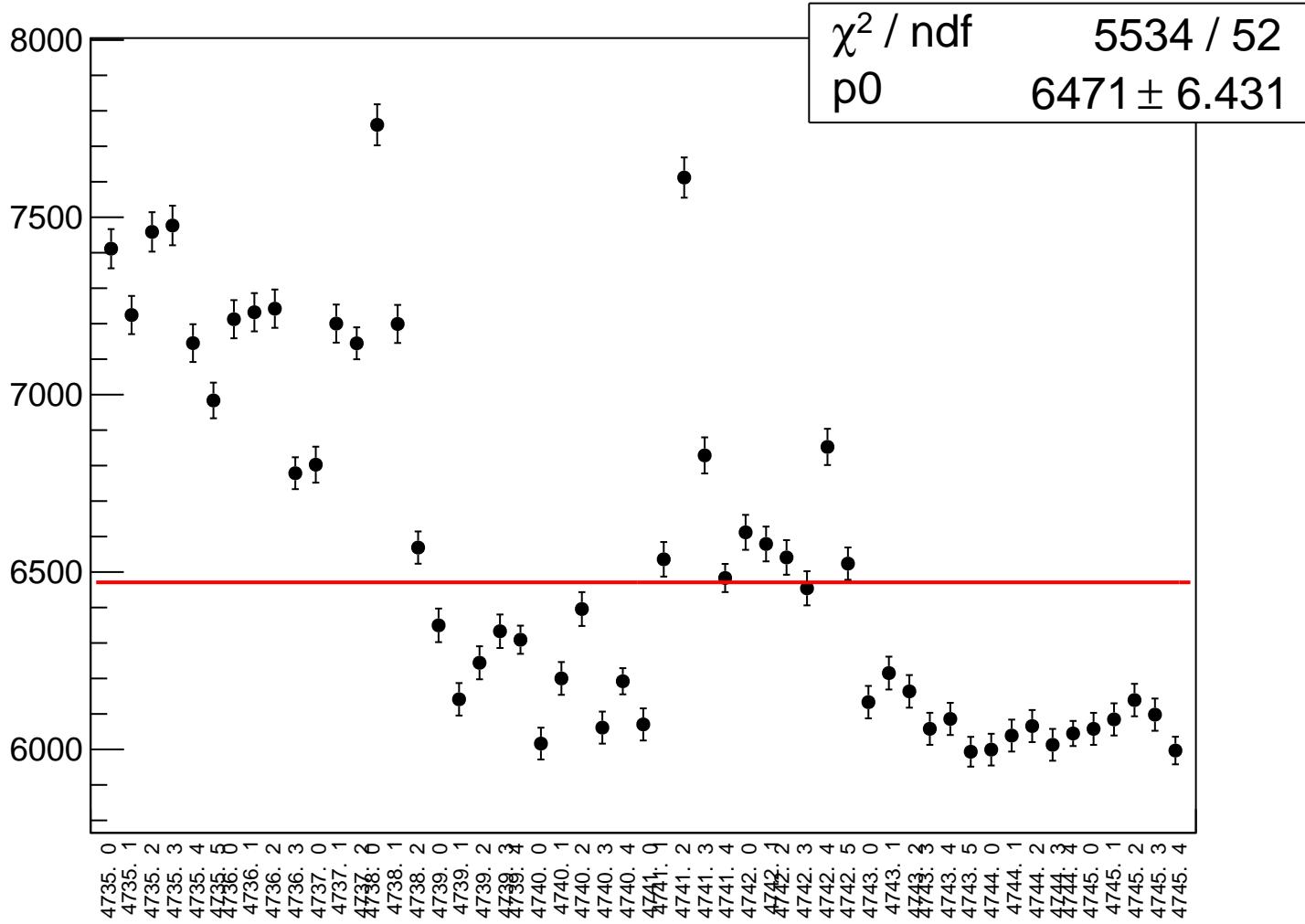
# diff\_bpm1Y\_rms vs run



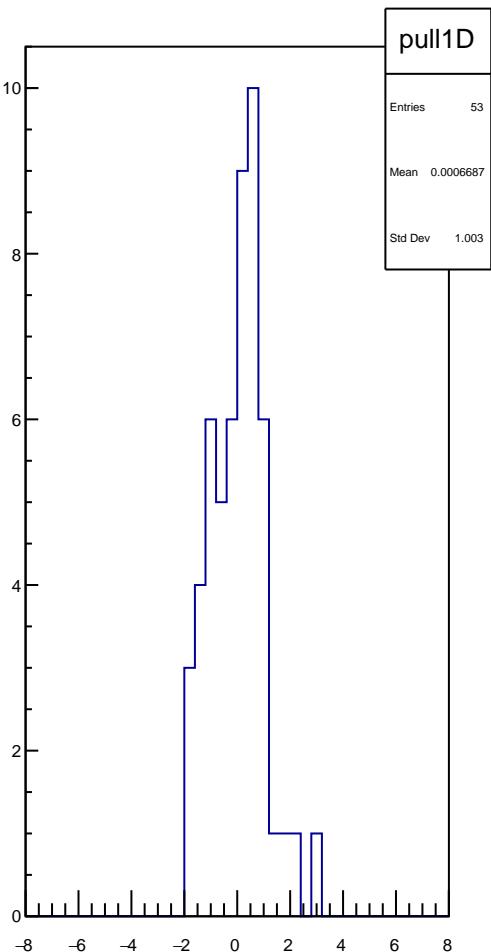
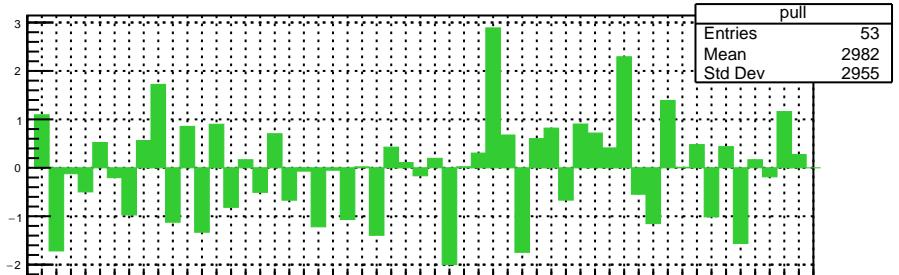
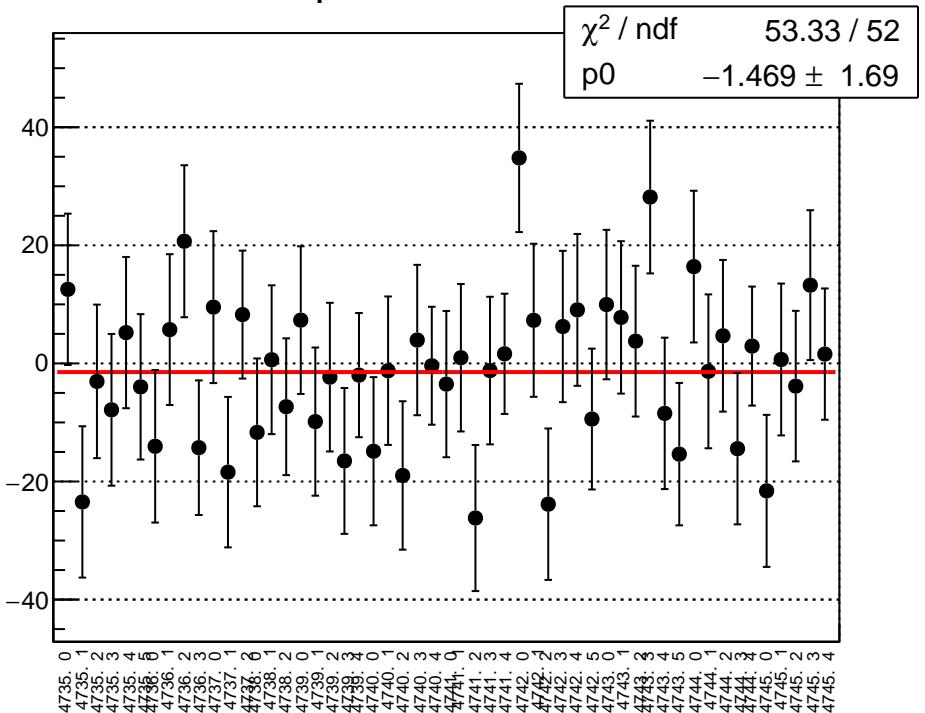
# diff\_bpm11X\_mean vs run



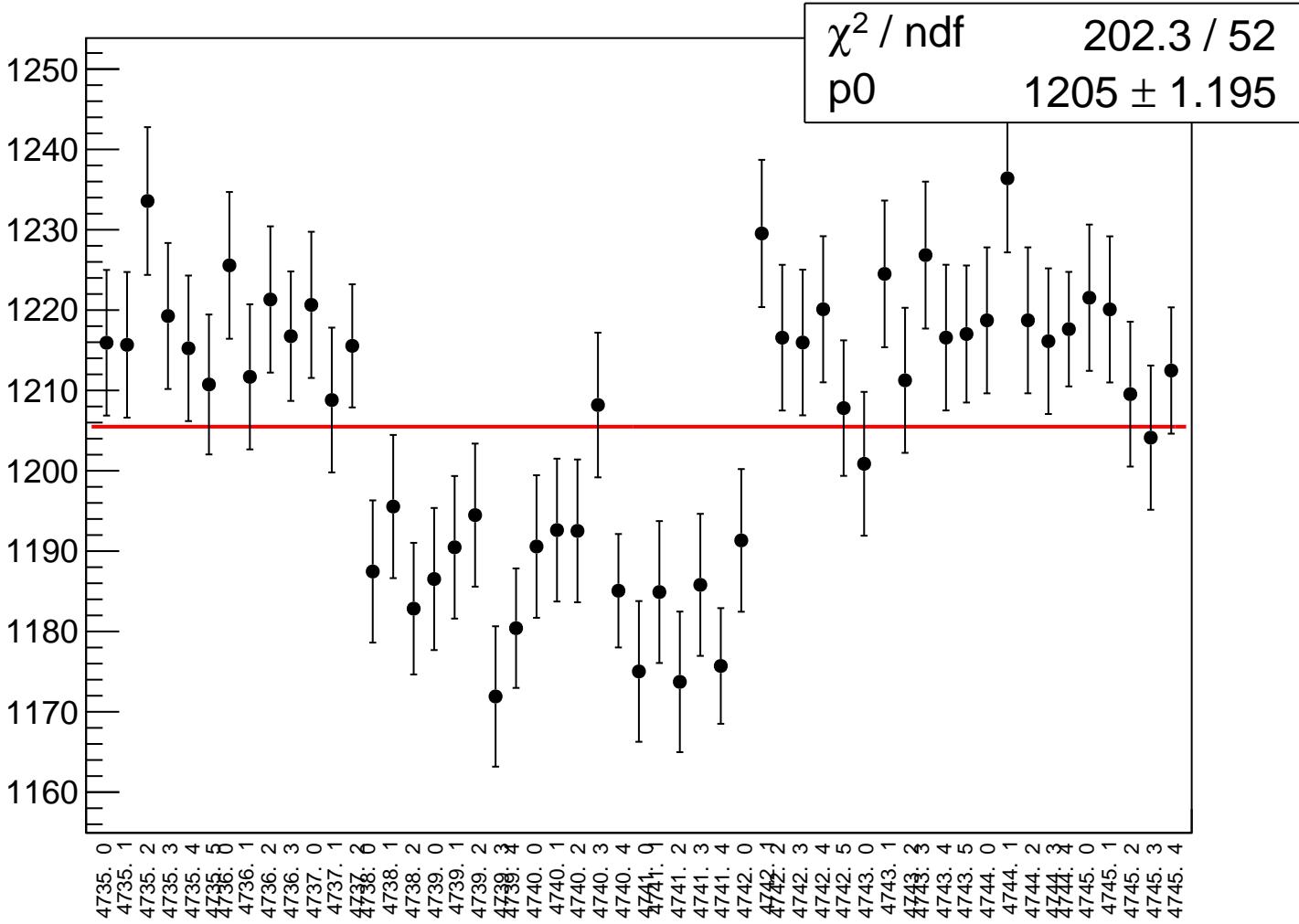
# diff\_bpm11X\_rms vs run



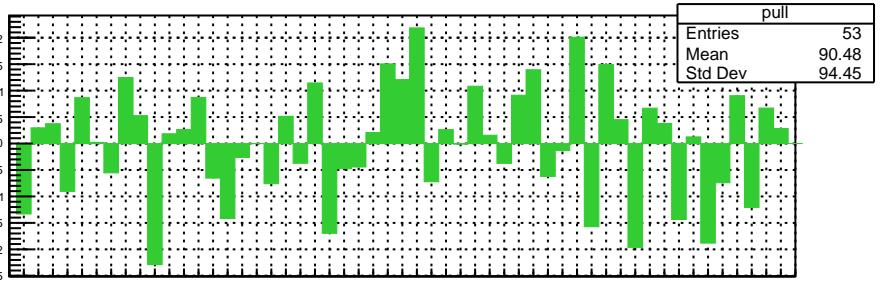
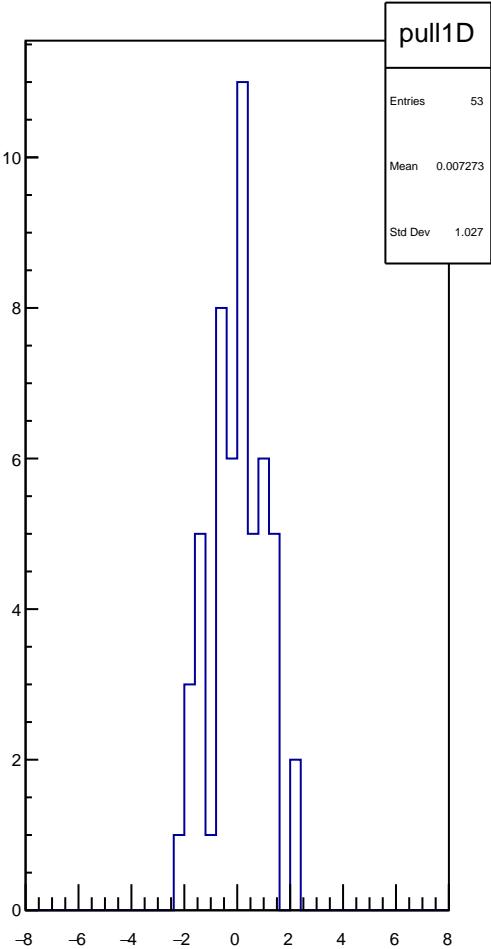
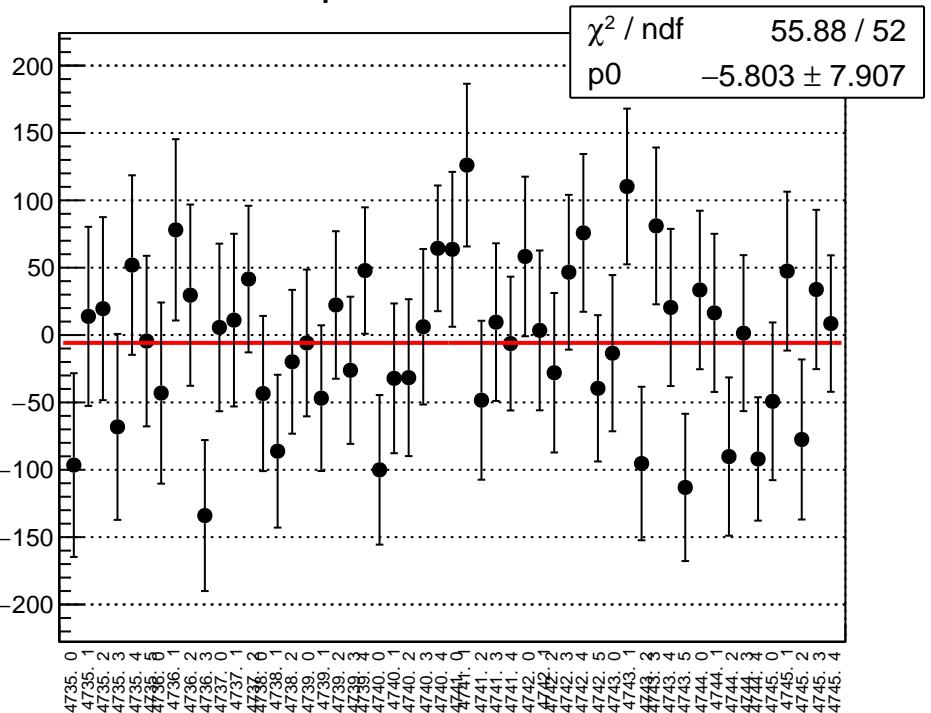
# diff\_bpm11Y\_mean vs run



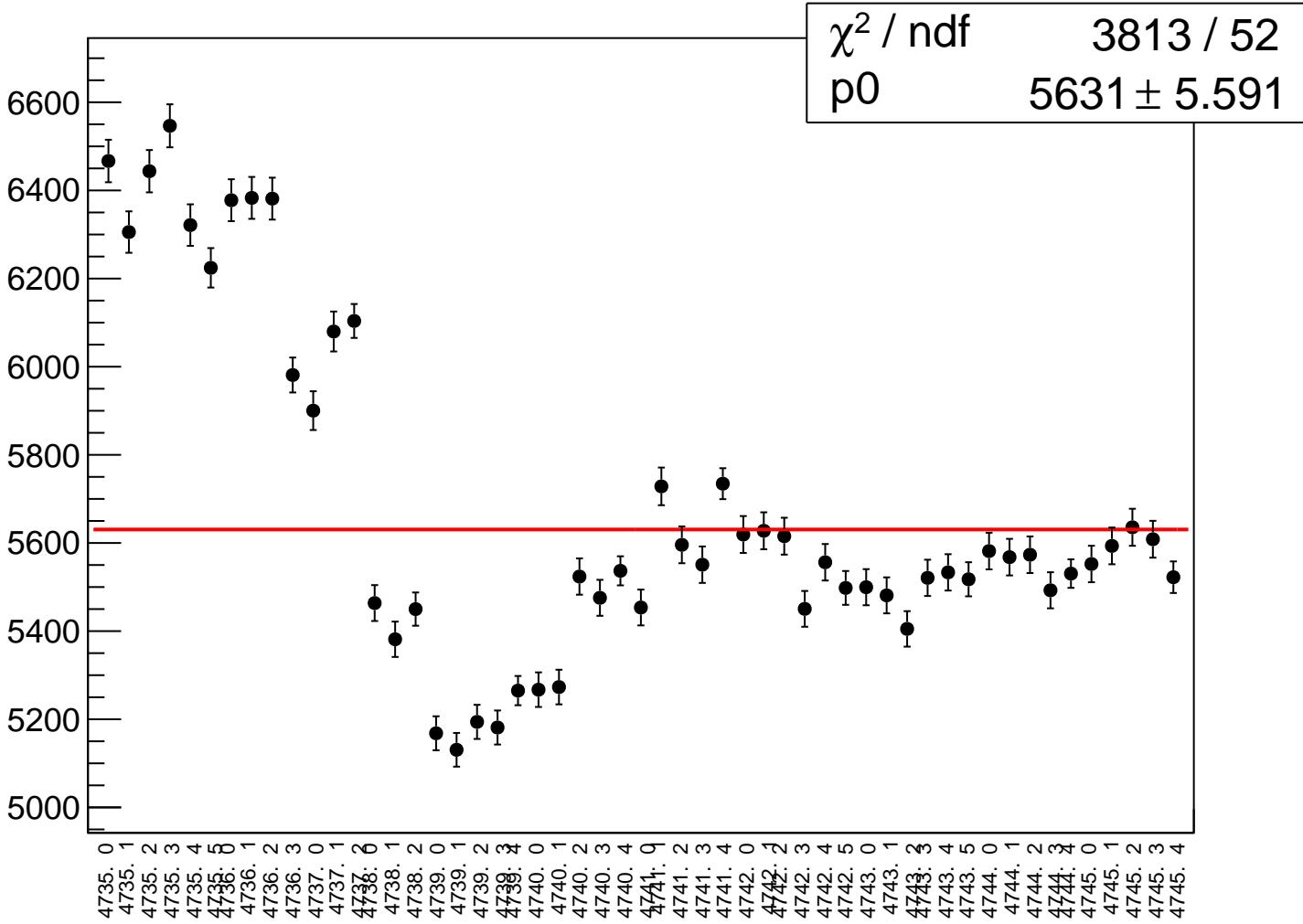
# diff\_bpm11Y\_rms vs run



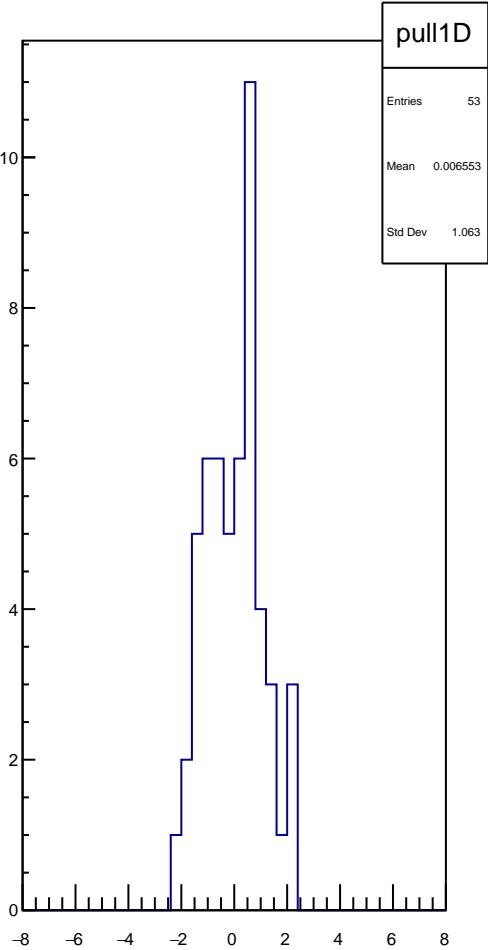
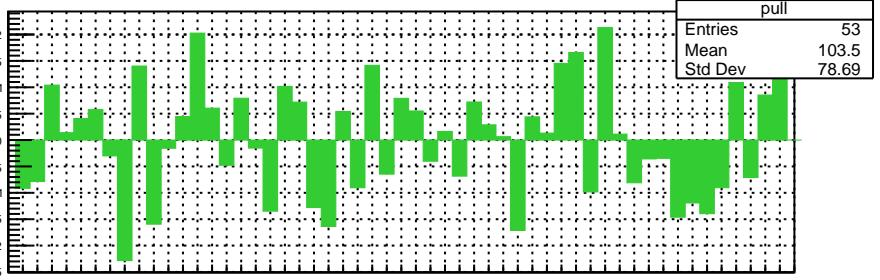
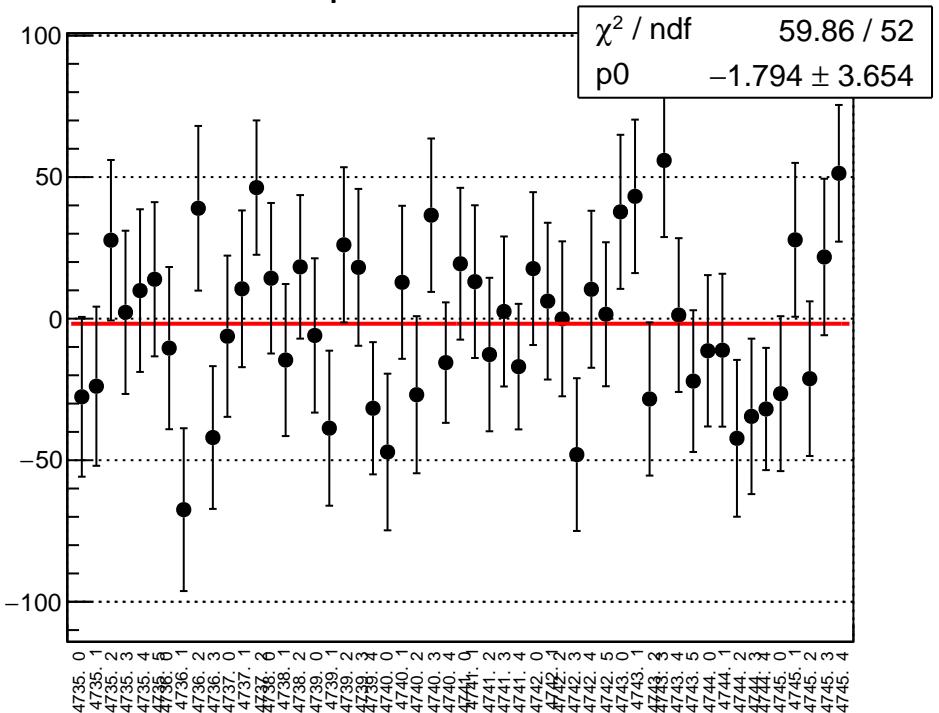
# diff\_bpm12X\_mean vs run



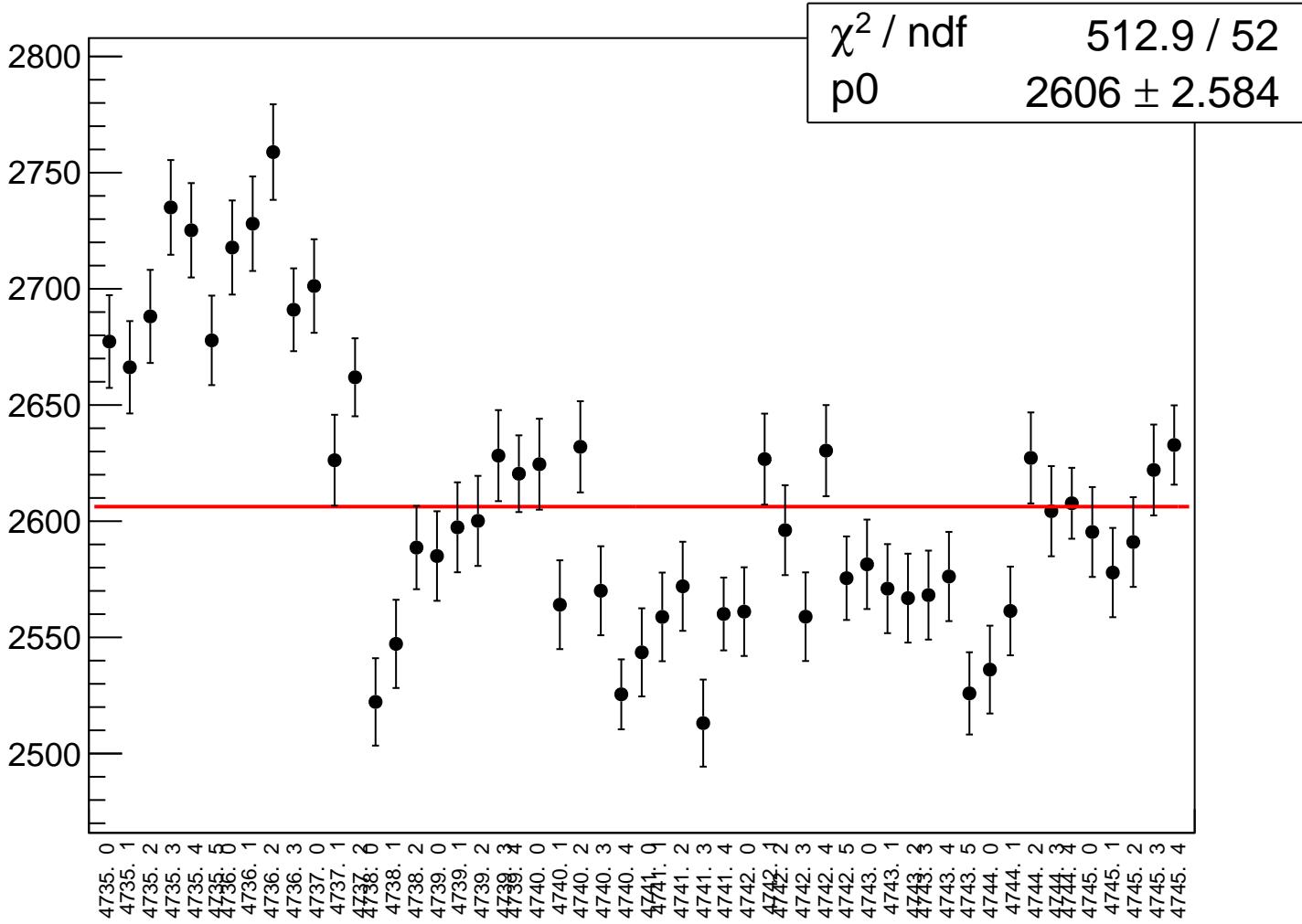
# diff\_bpm12X\_rms vs run



# diff\_bpm12Y\_mean vs run

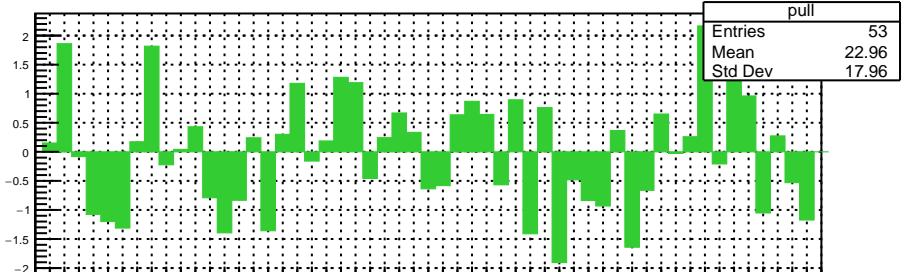
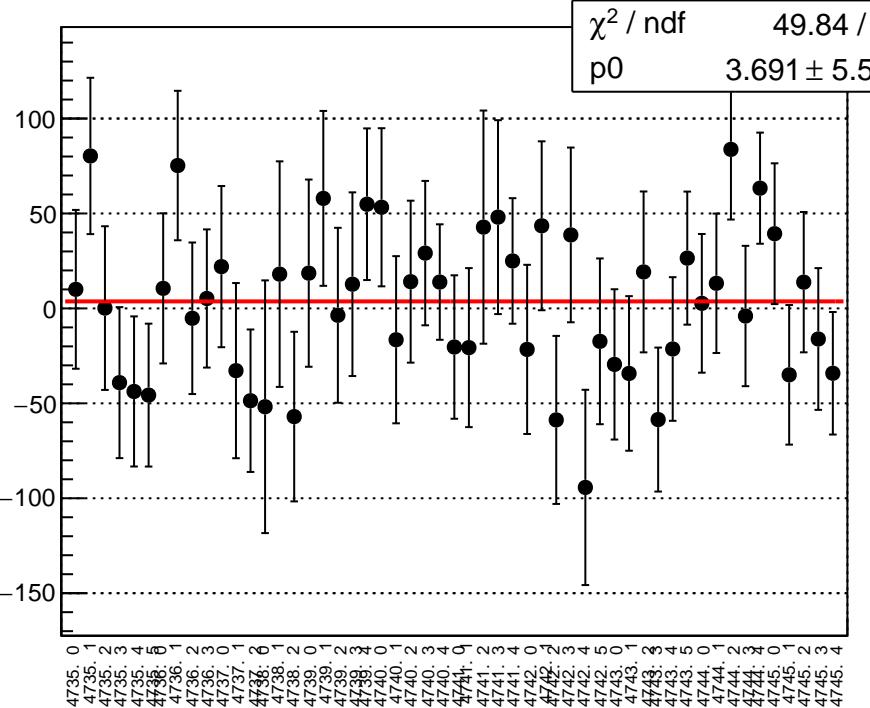


# diff\_bpm12Y\_rms vs run





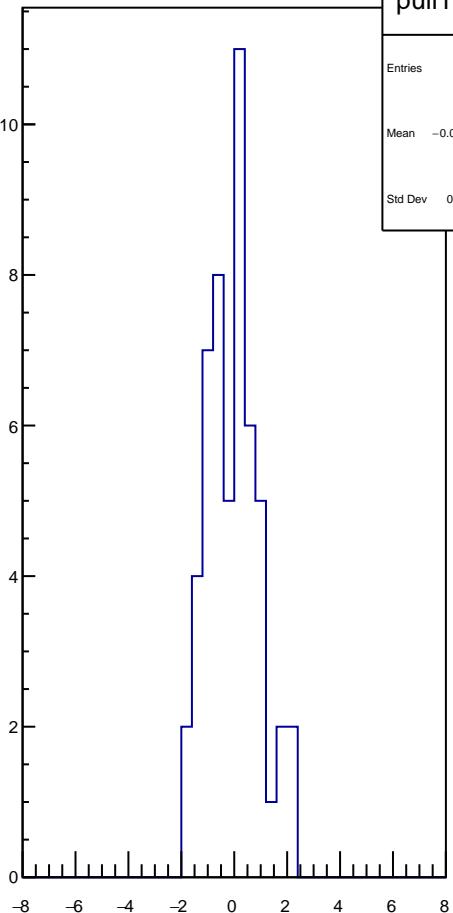
$\chi^2 / \text{ndf}$  49.84 / 52  
 p0  $3.691 \pm 5.534$



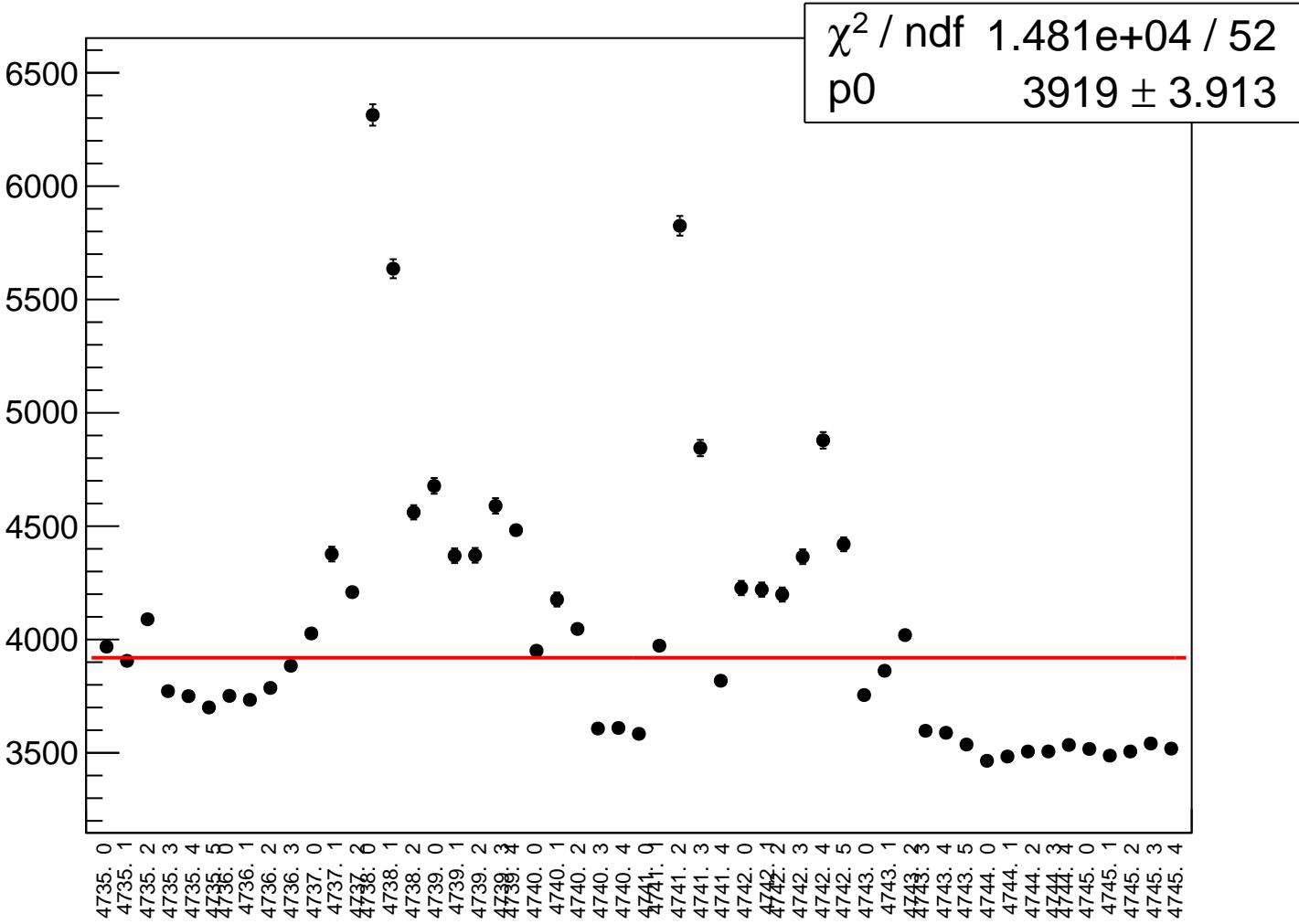
A histogram showing the distribution of `pullID`. The x-axis ranges from -10 to 10 with major ticks every 2 units. The y-axis ranges from 0 to 15 with major ticks every 5 units. A single blue vertical bar is located at `pullID` ≈ -0.017, reaching a height of approximately 14. The plot has a light gray background and black axes.

pullID

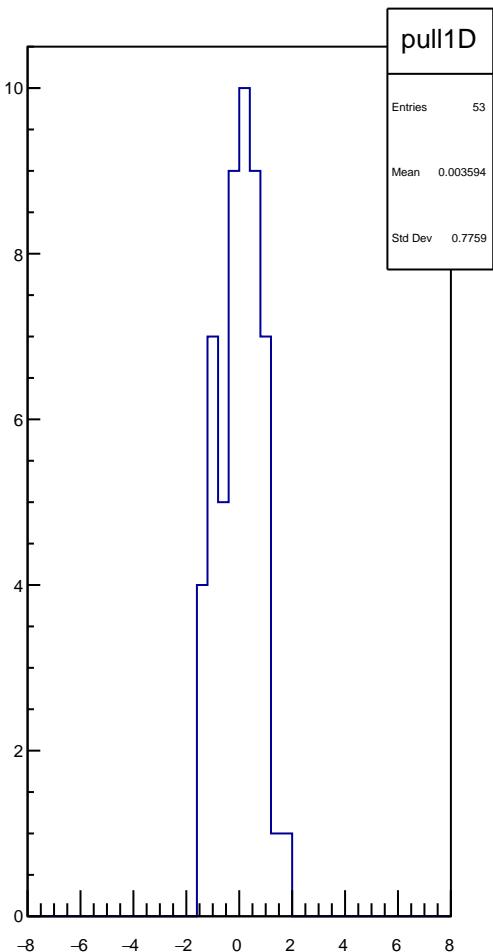
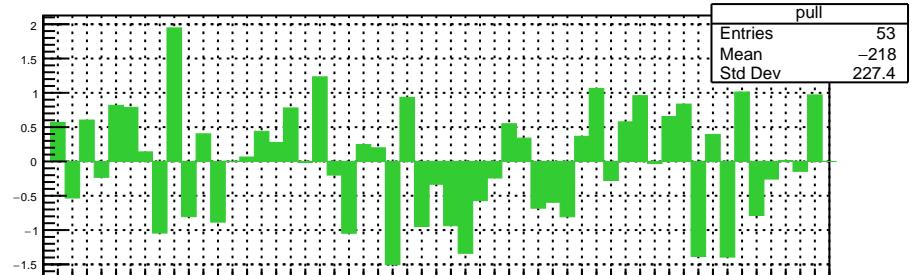
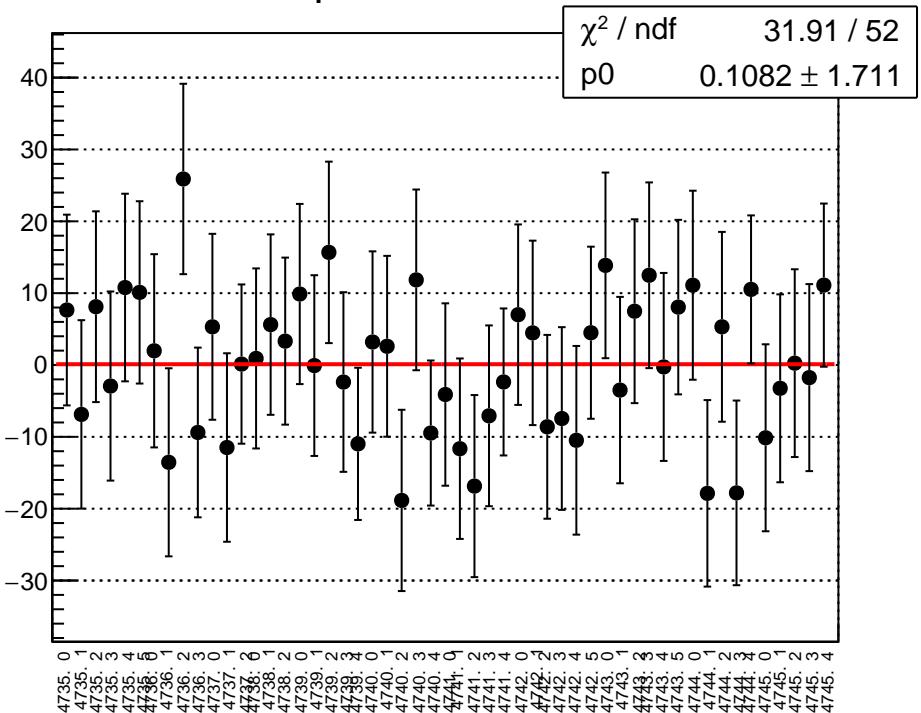
Statistic	Value
Entries	53
Mean	-0.01715
Std Dev	0.9696



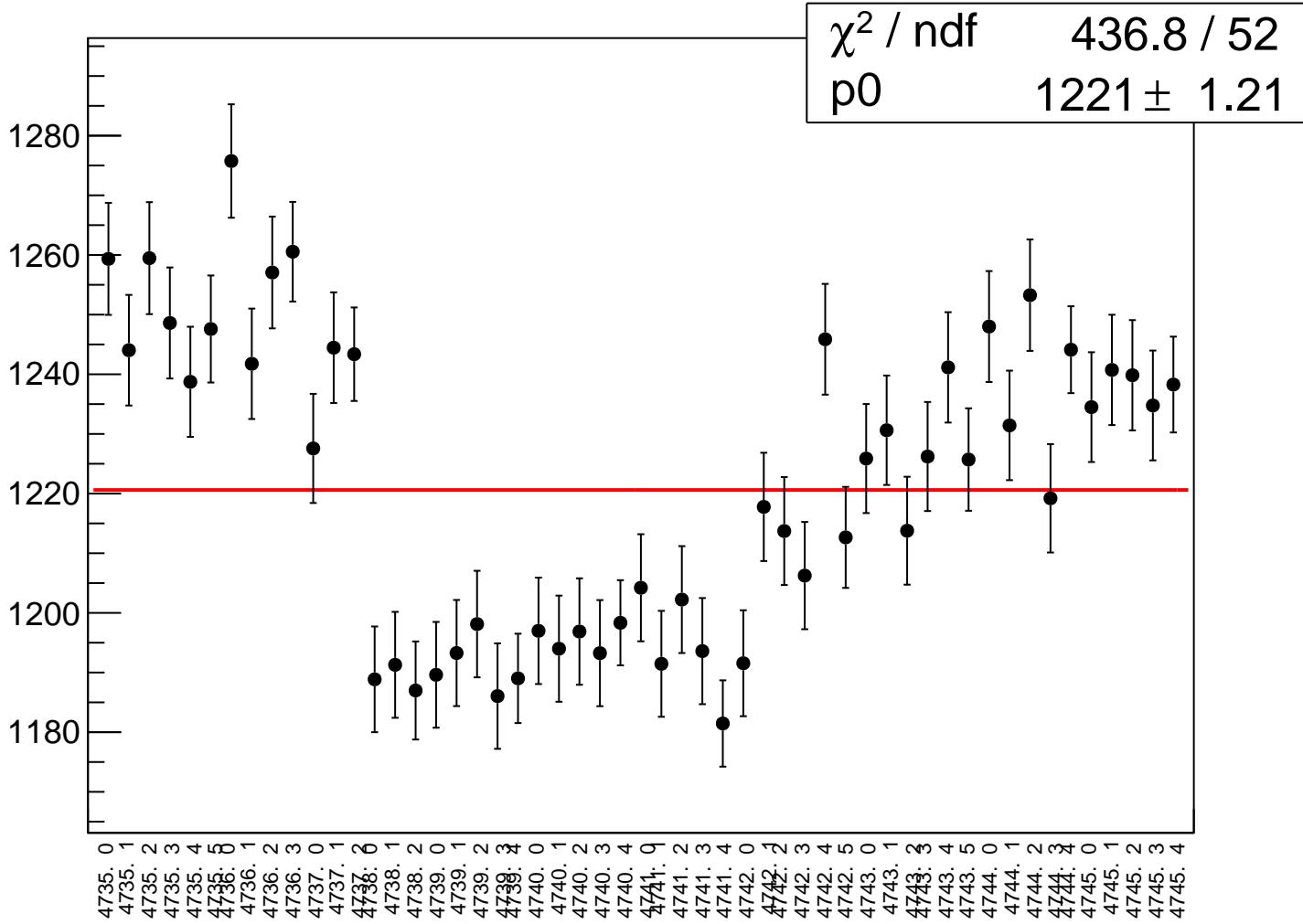
# diff\_bpm16X\_rms vs run



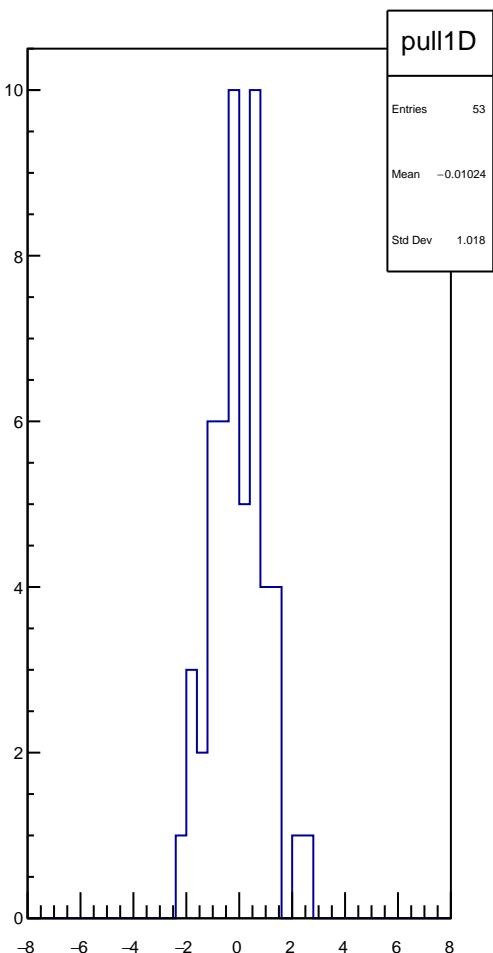
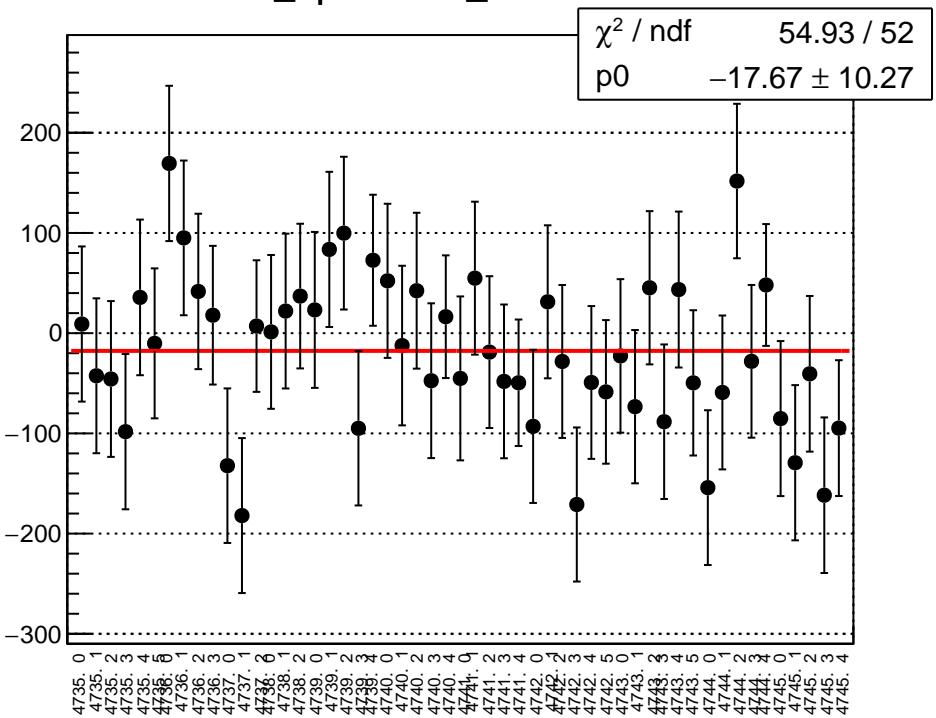
# diff\_bpm16Y\_mean vs run



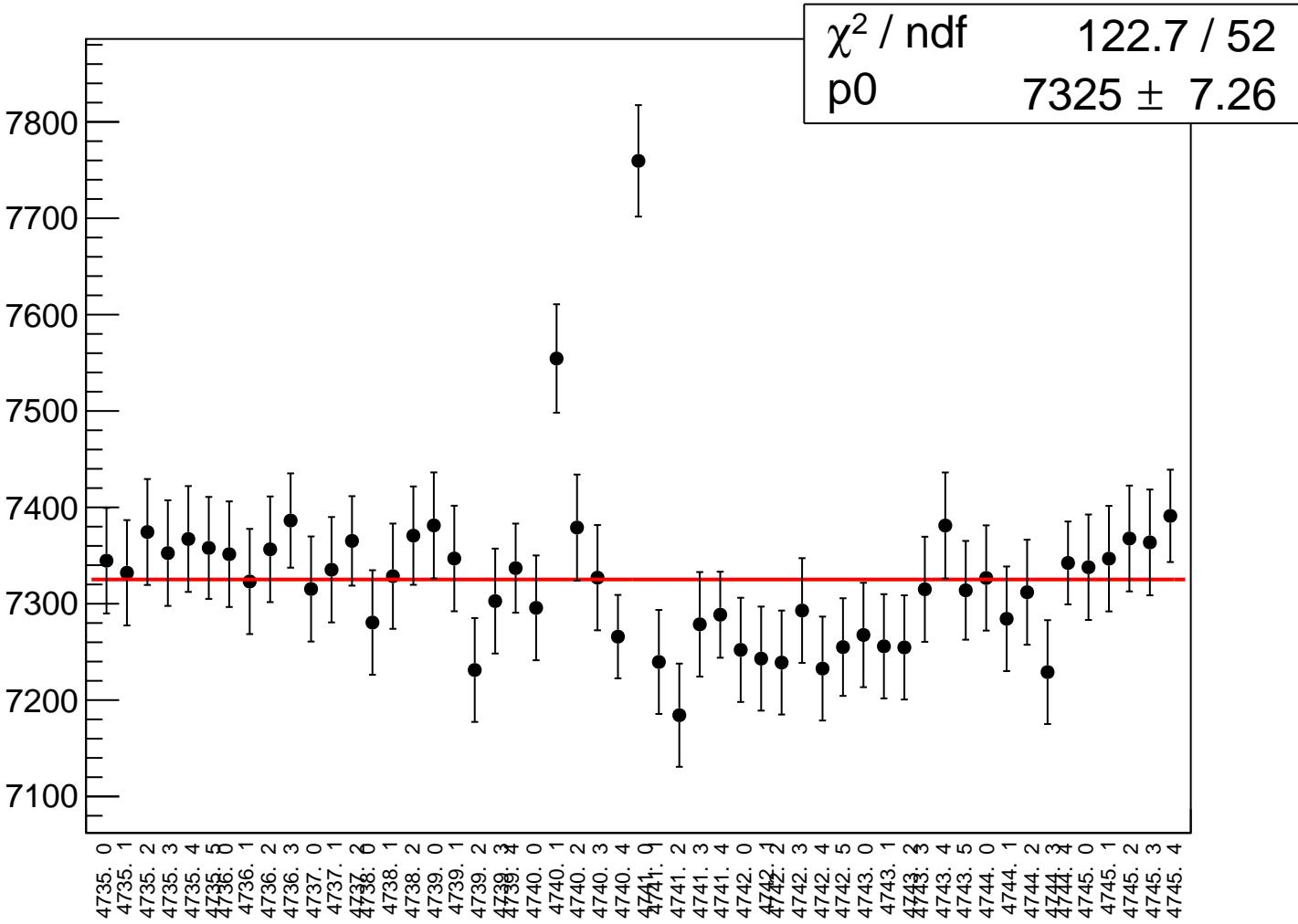
# diff\_bpm16Y\_rms vs run



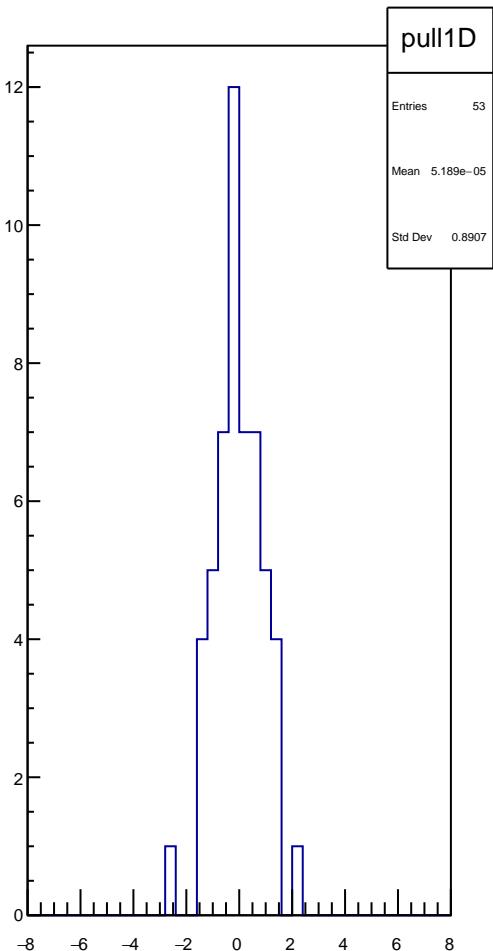
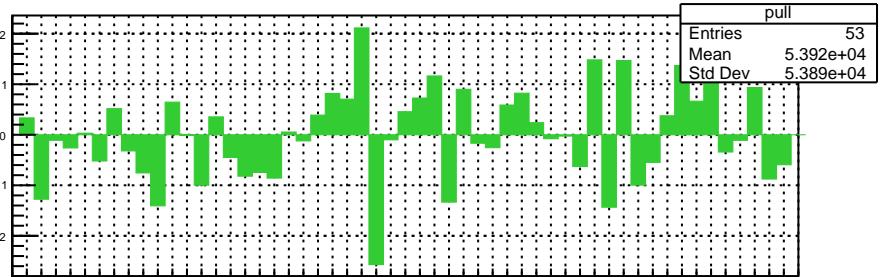
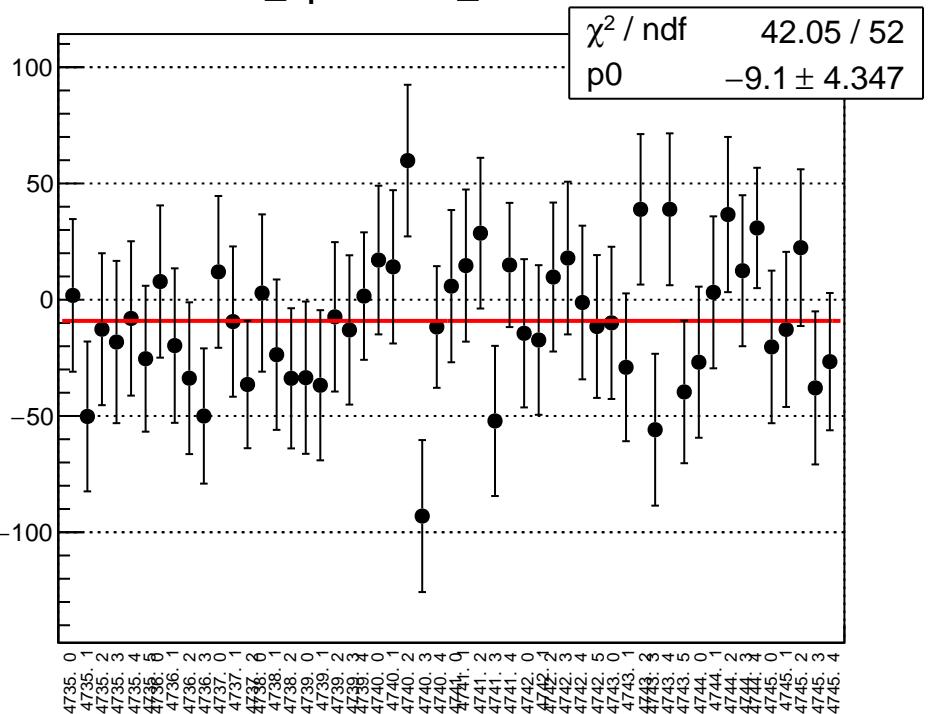
# diff\_bpm0l01X\_mean vs run



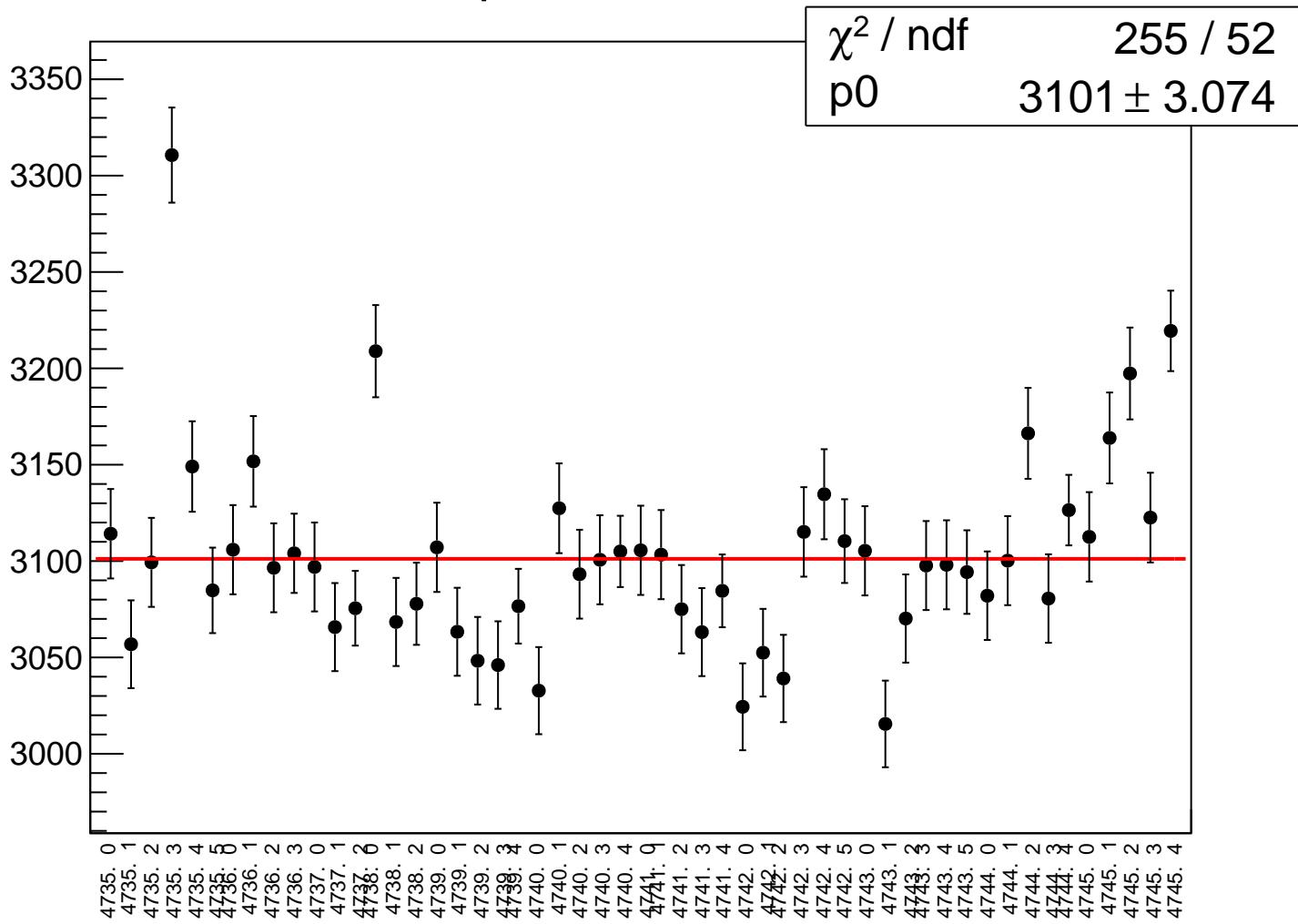
# diff\_bpm0I01X\_rms vs run



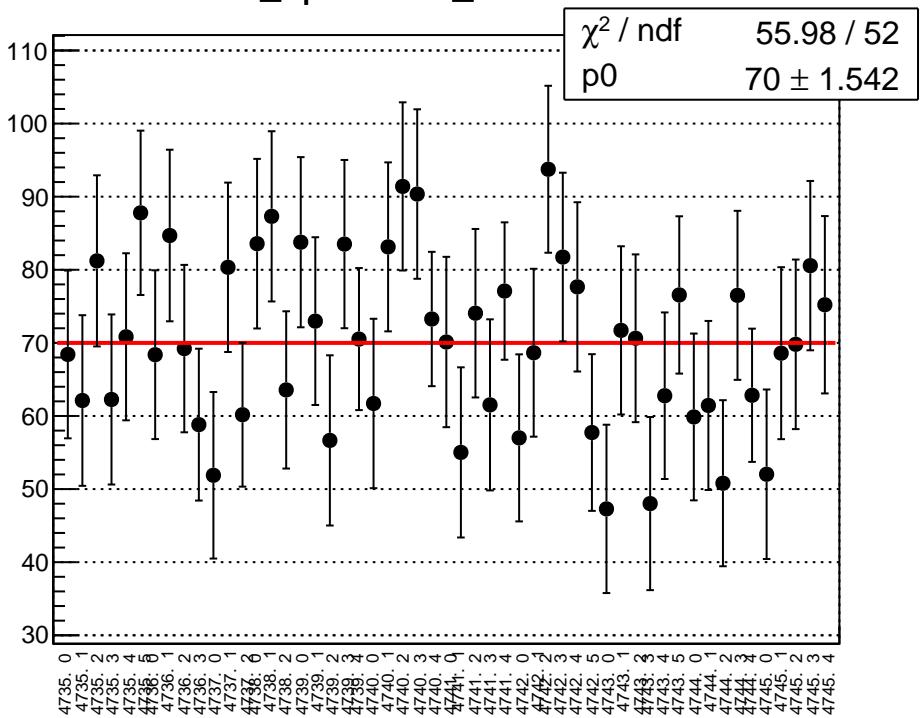
# diff\_bpm0l01Y\_mean vs run



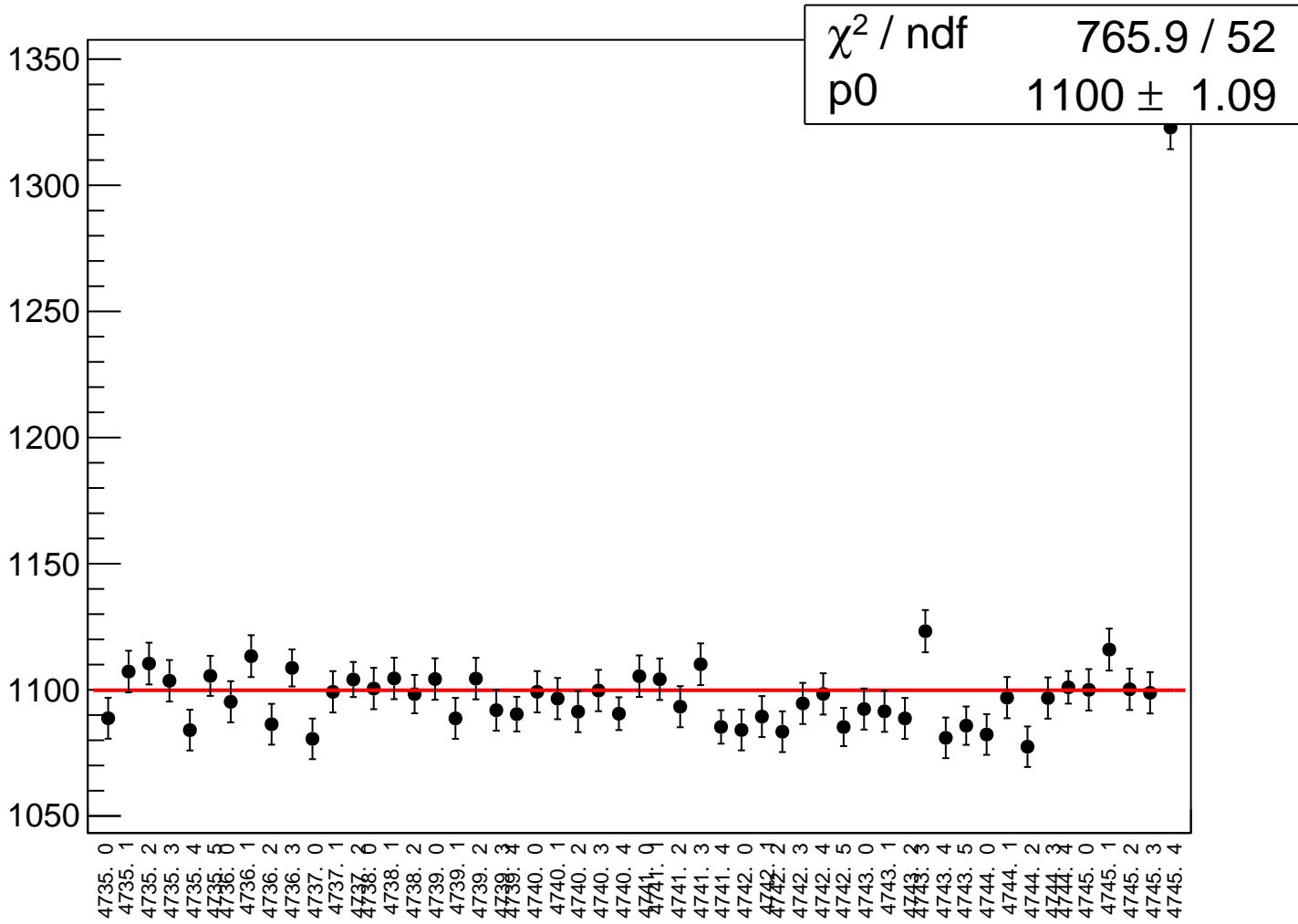
# diff\_bpm0I01Y\_rms vs run



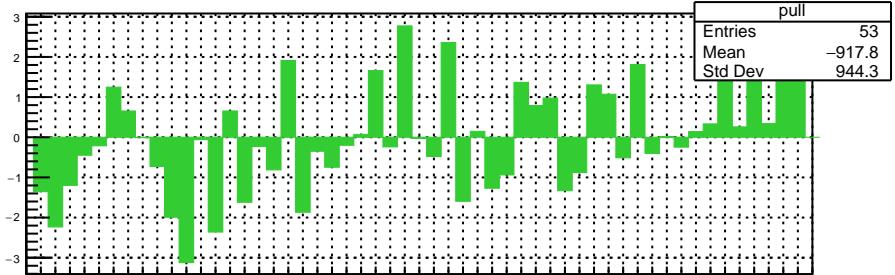
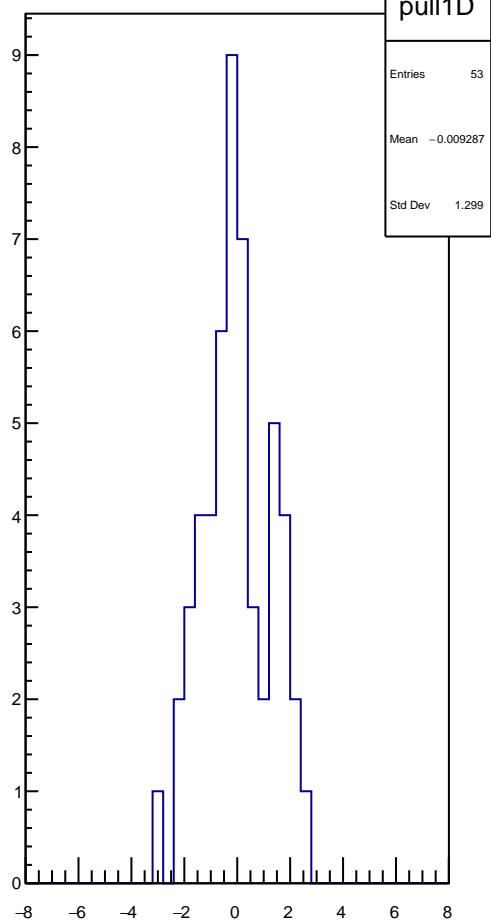
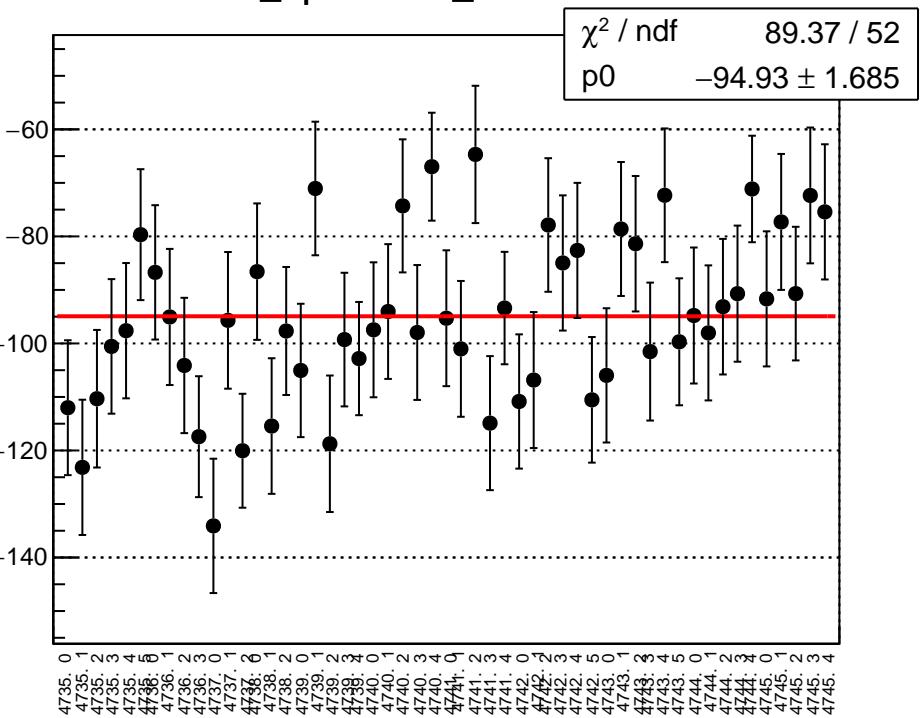
# diff\_bpm2i01X\_mean vs run



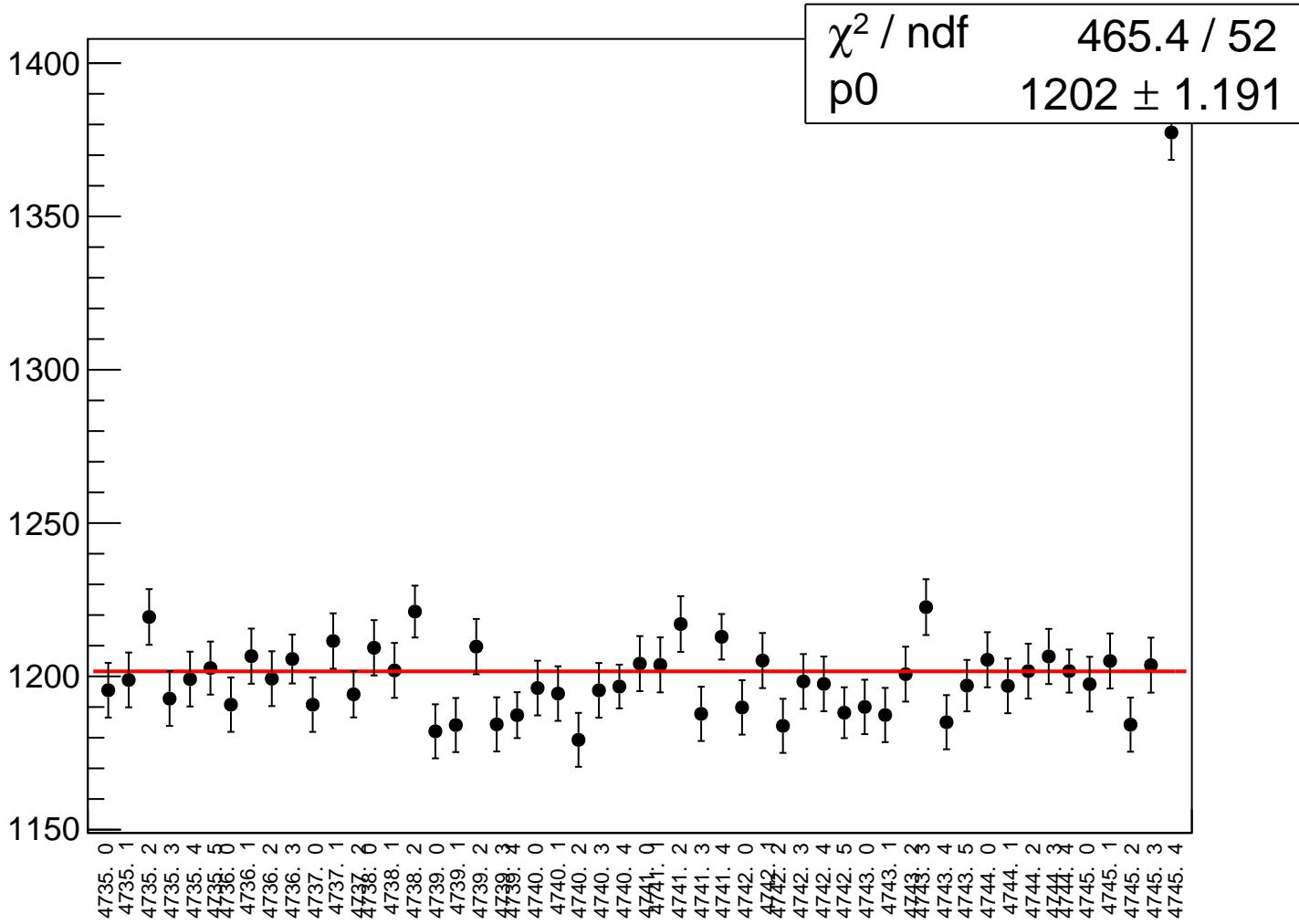
# diff\_bpm2i01X\_rms vs run



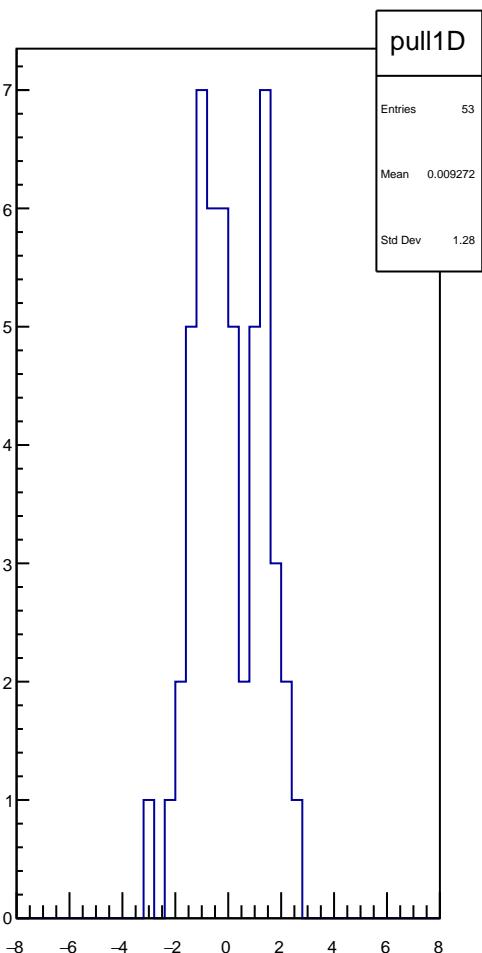
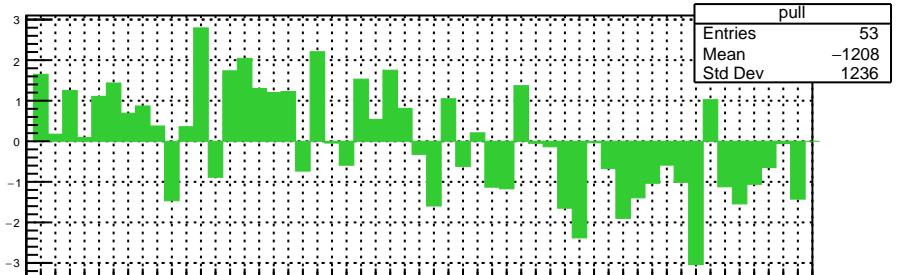
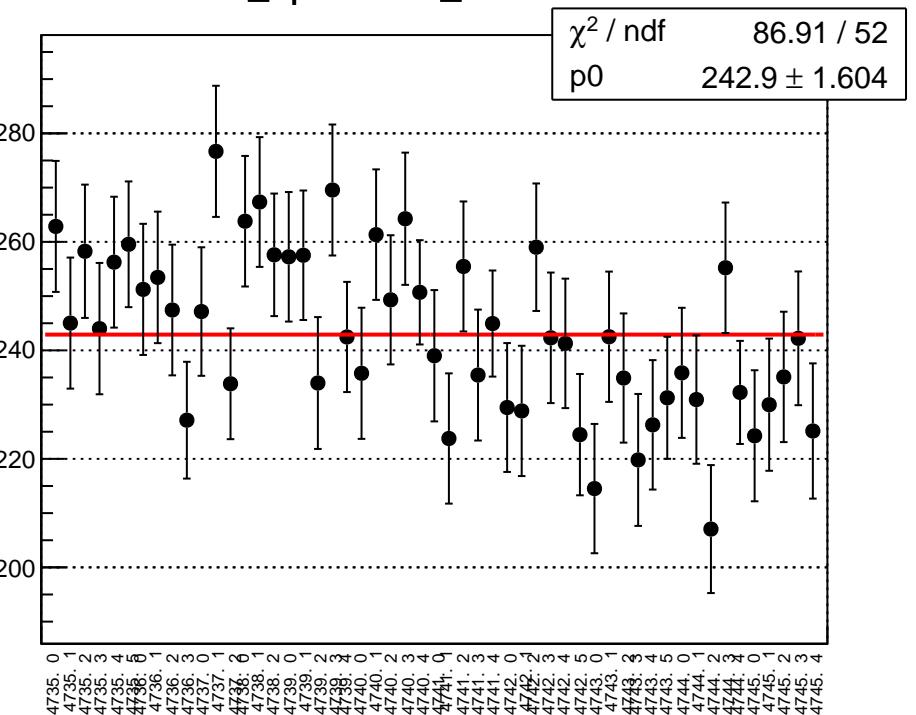
# diff\_bpm2i01Y\_mean vs run



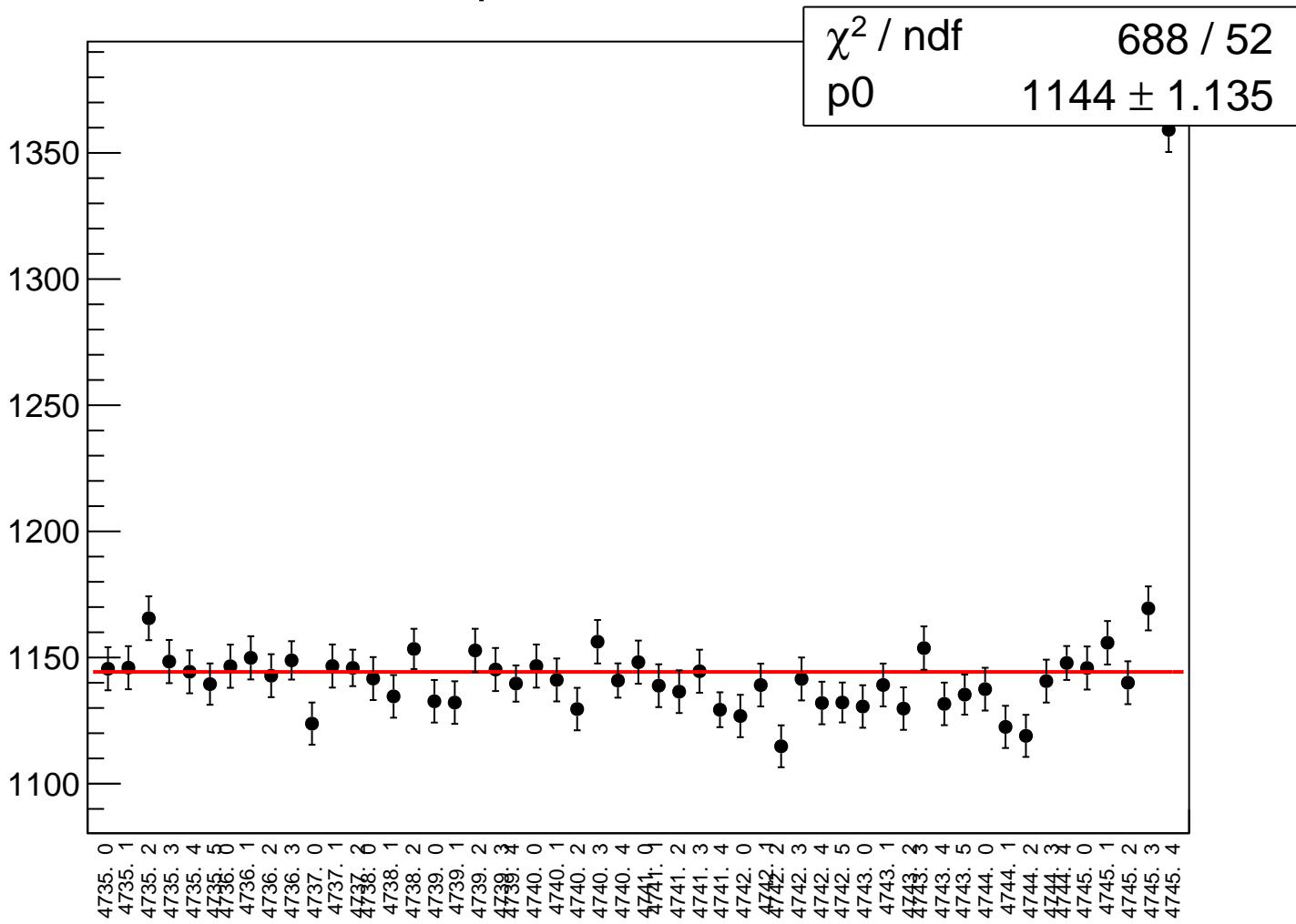
# diff\_bpm2i01Y\_rms vs run



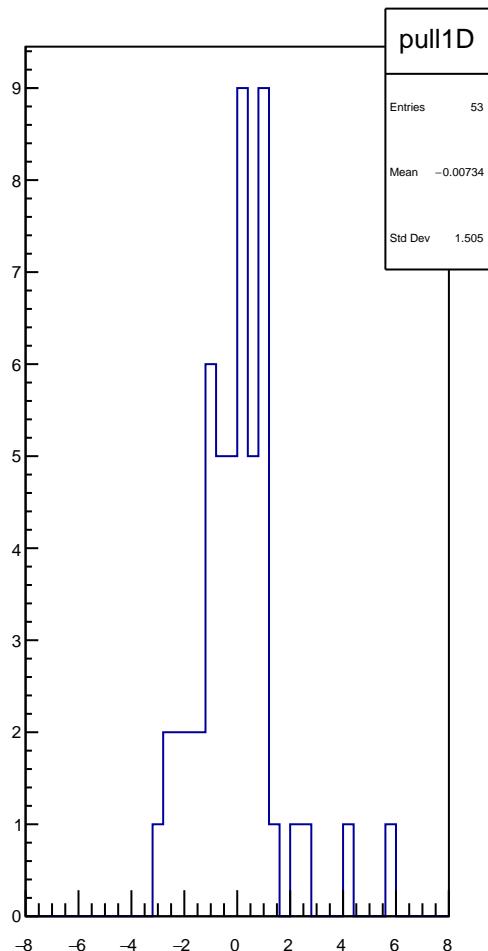
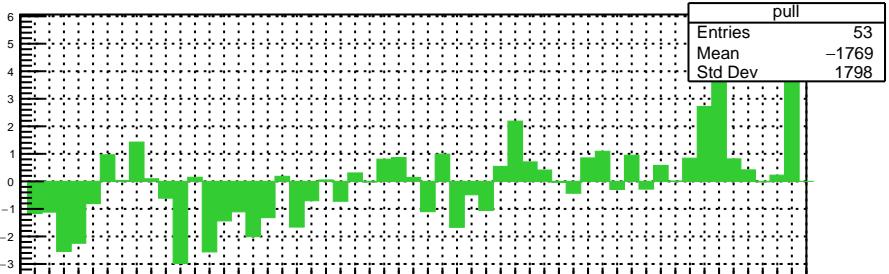
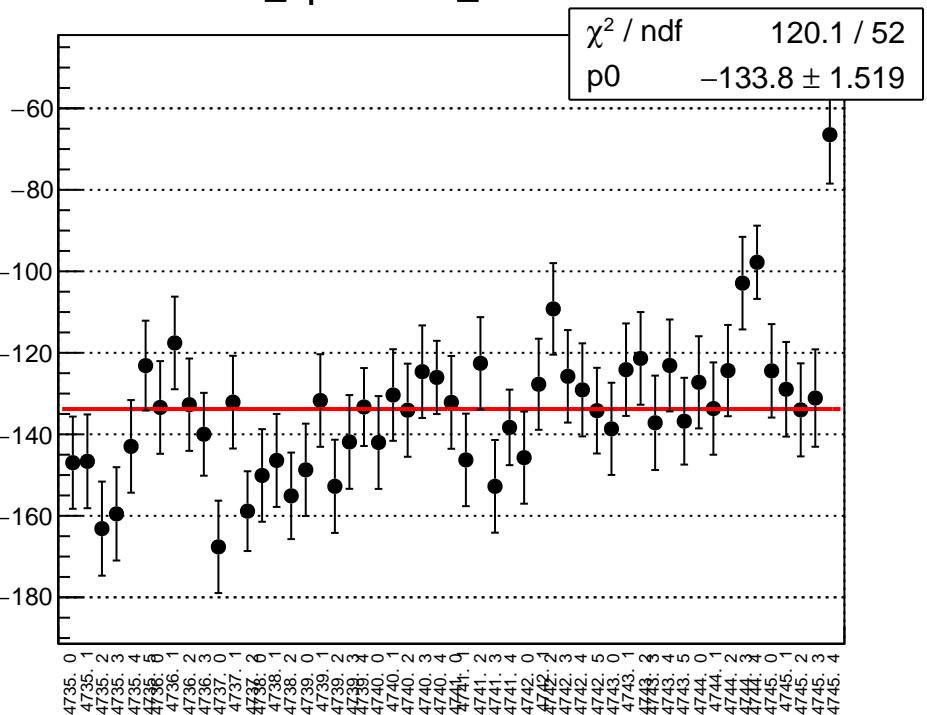
# diff\_bpm2i02X\_mean vs run



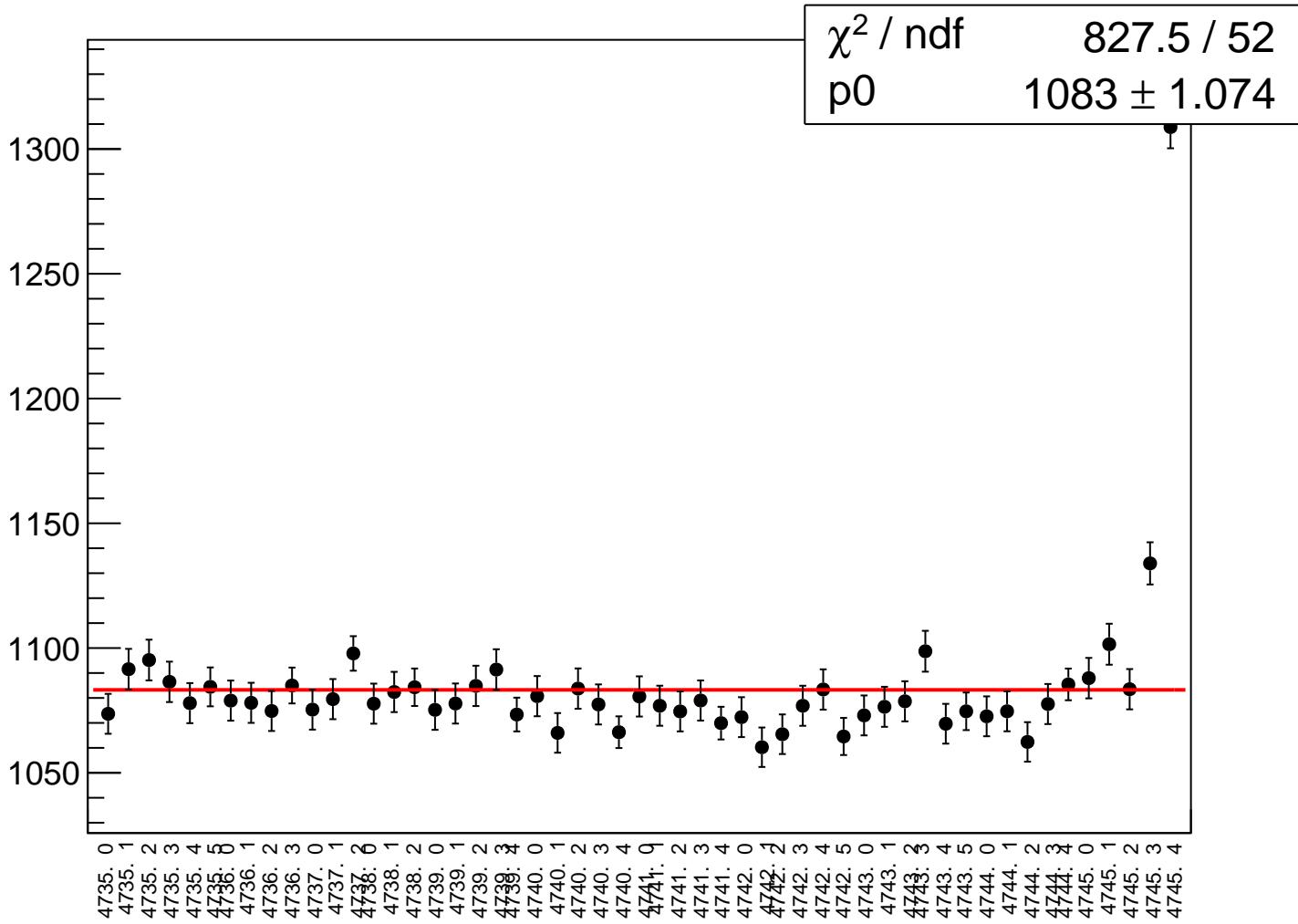
# diff\_bpm2i02X\_rms vs run



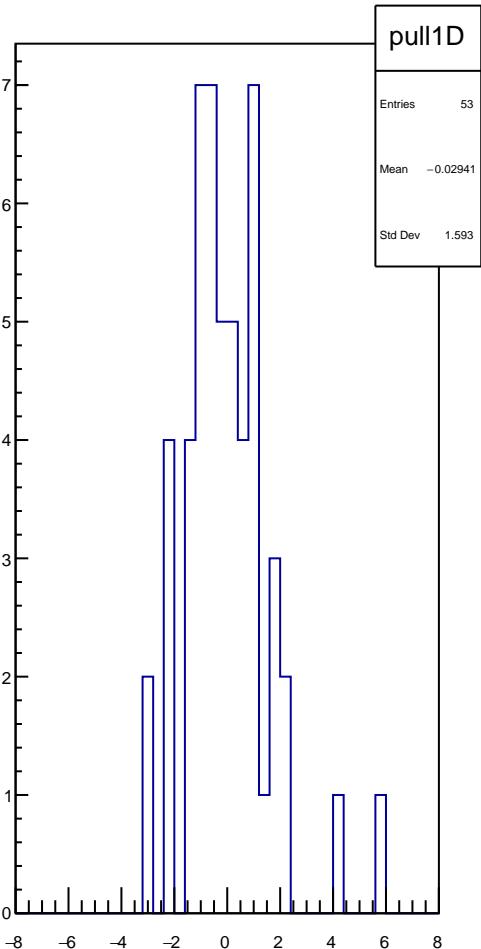
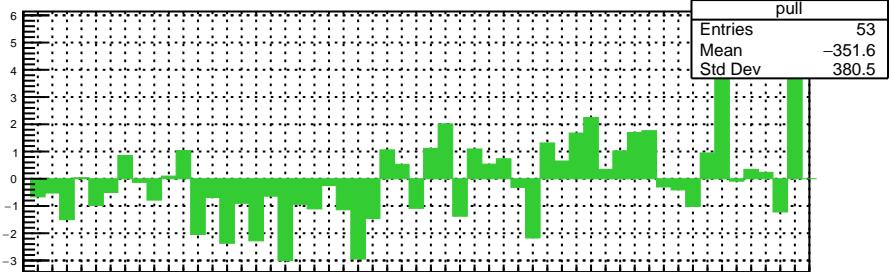
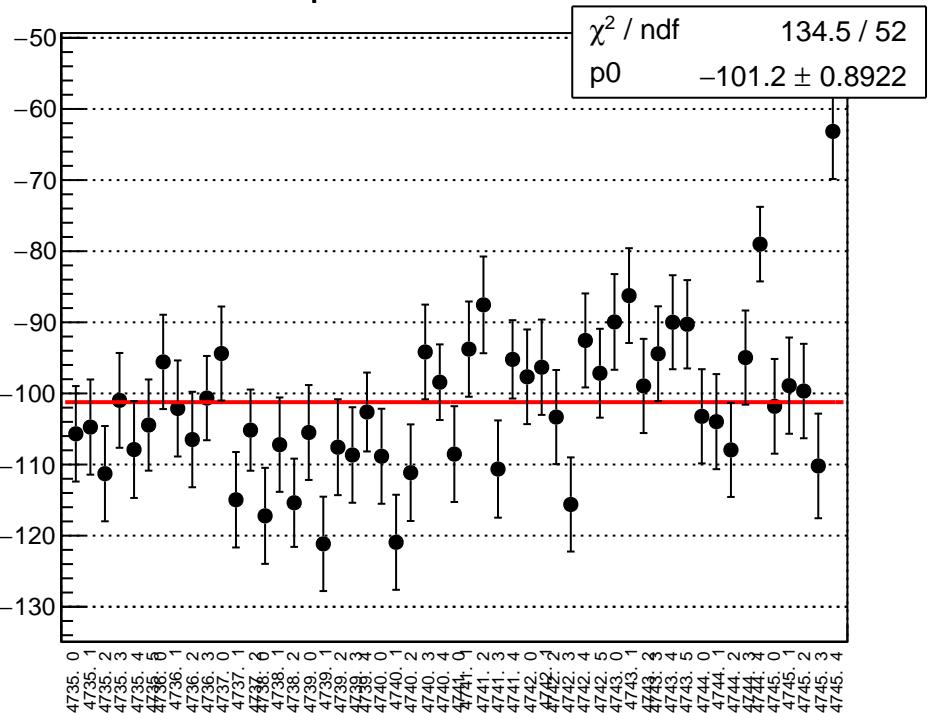
# diff\_bpm2i02Y\_mean vs run



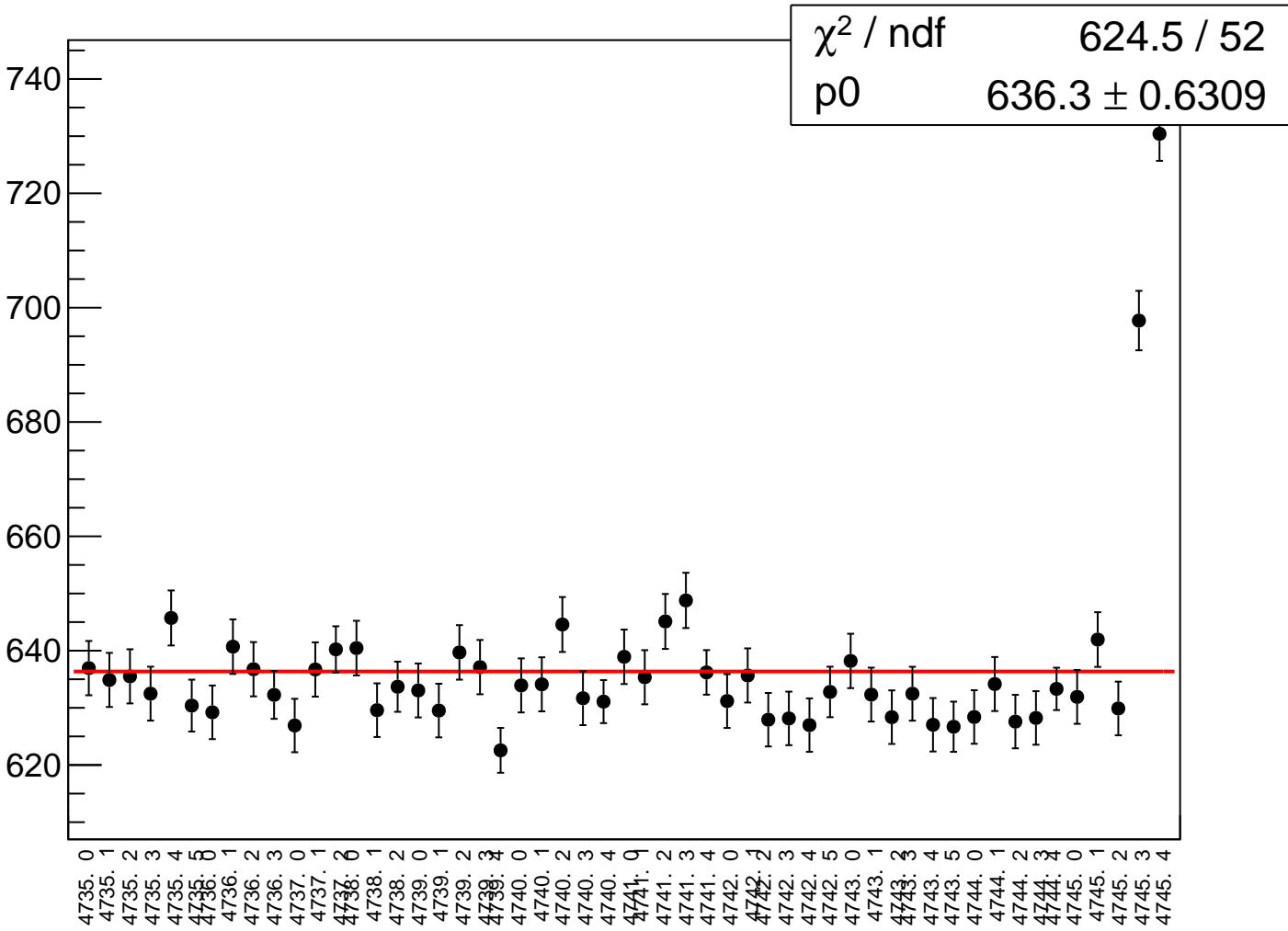
# diff\_bpm2i02Y\_rms vs run



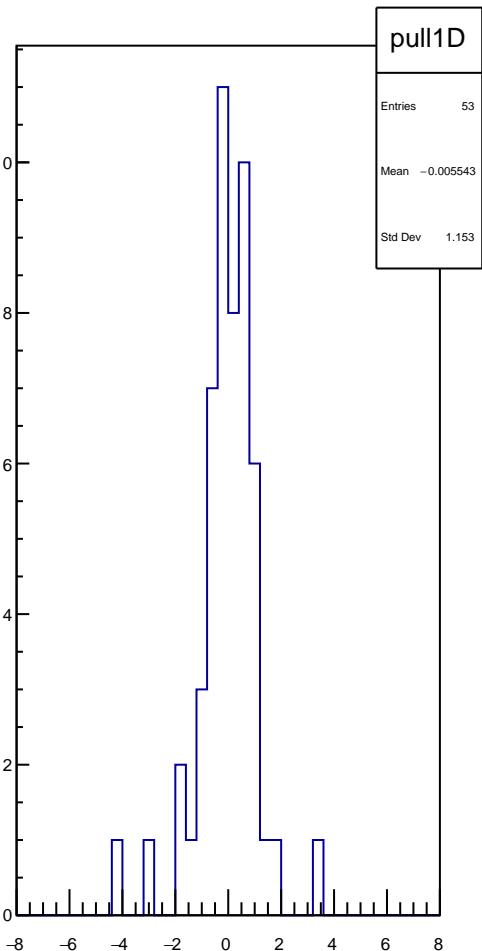
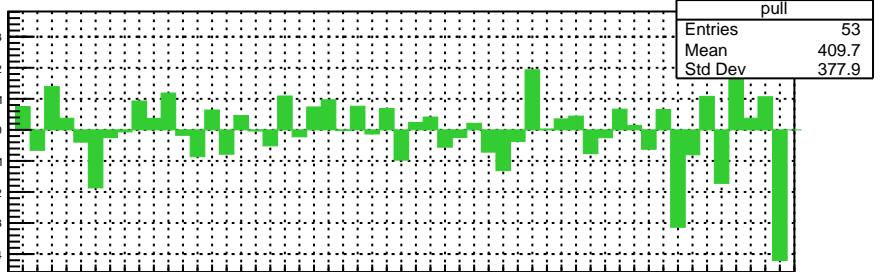
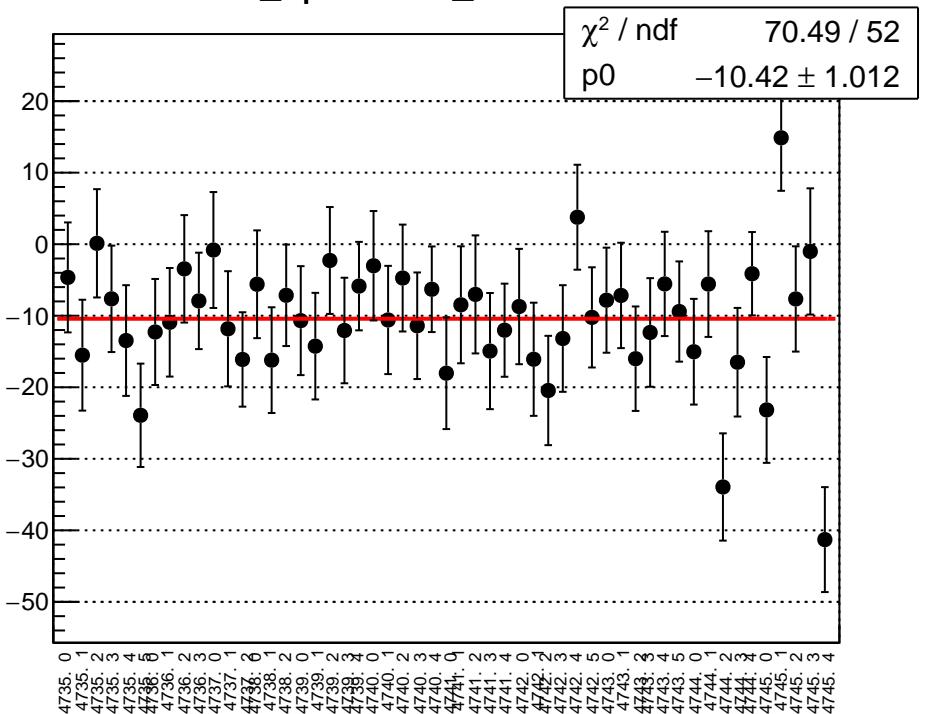
# diff\_bpm1i04X\_mean vs run



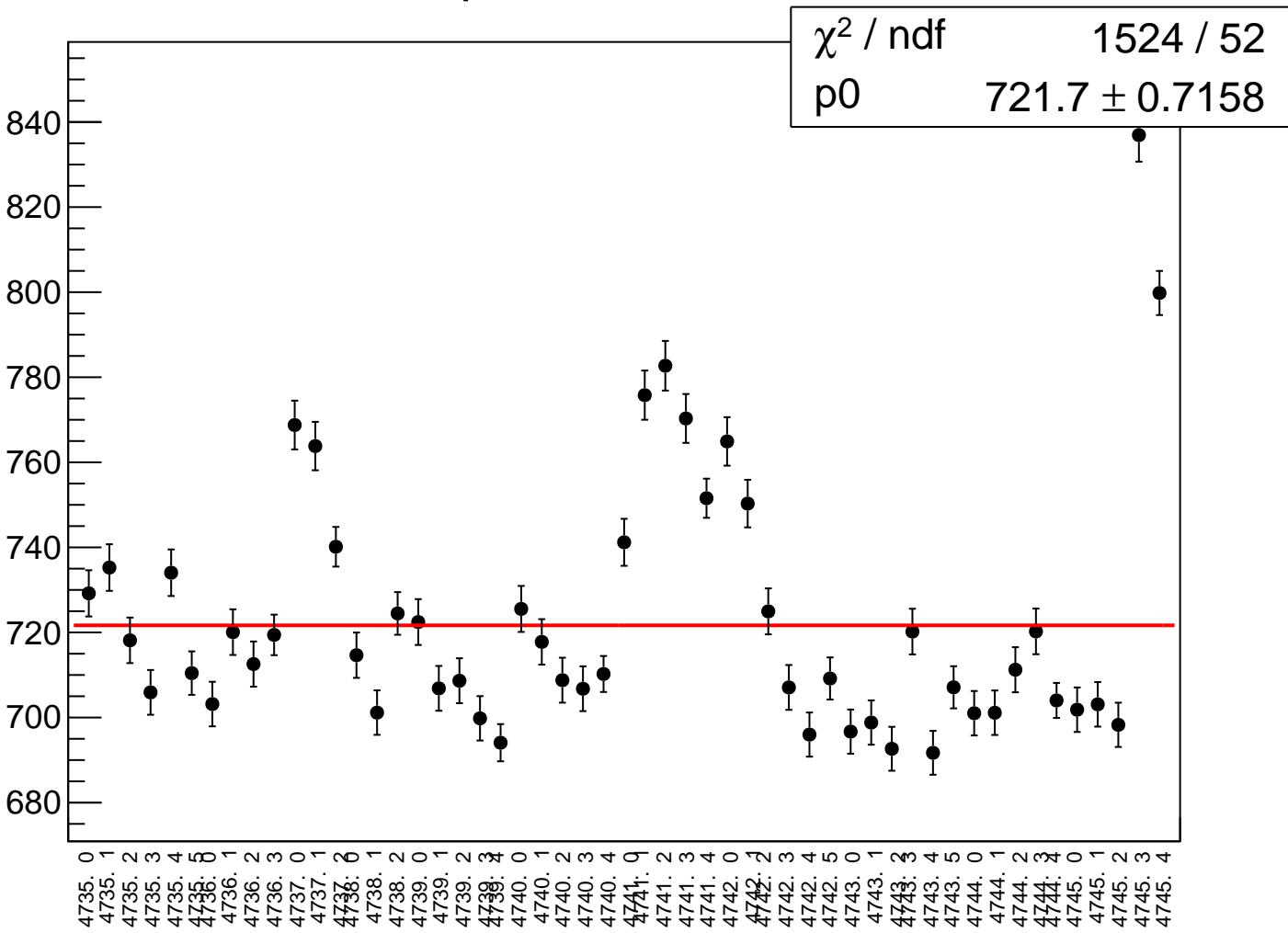
# diff\_bpm1i04X\_rms vs run



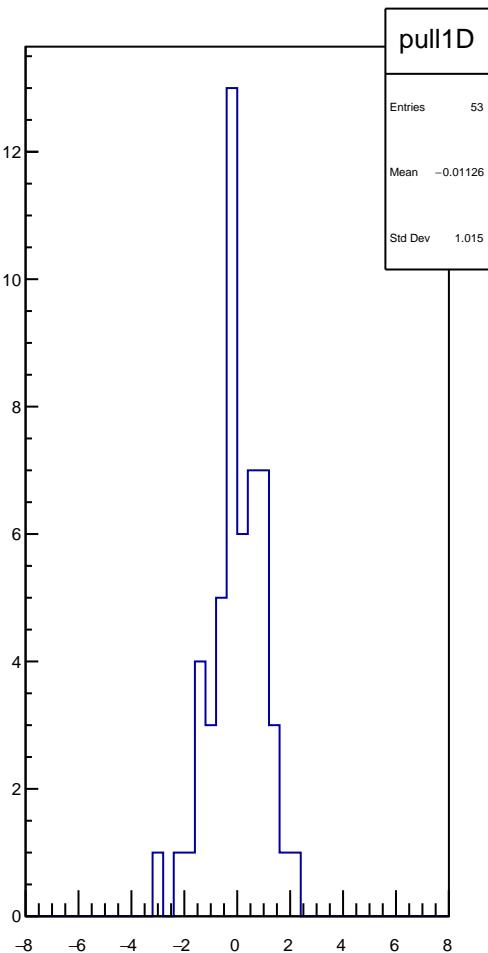
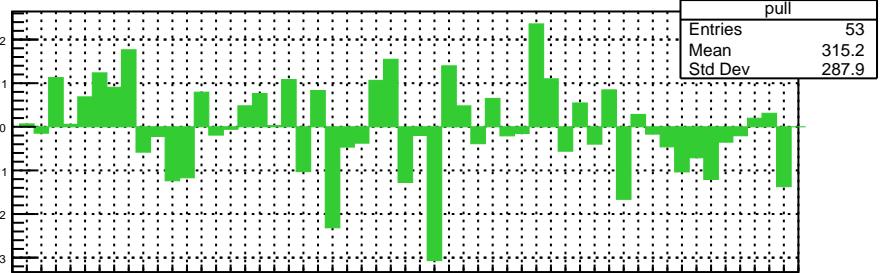
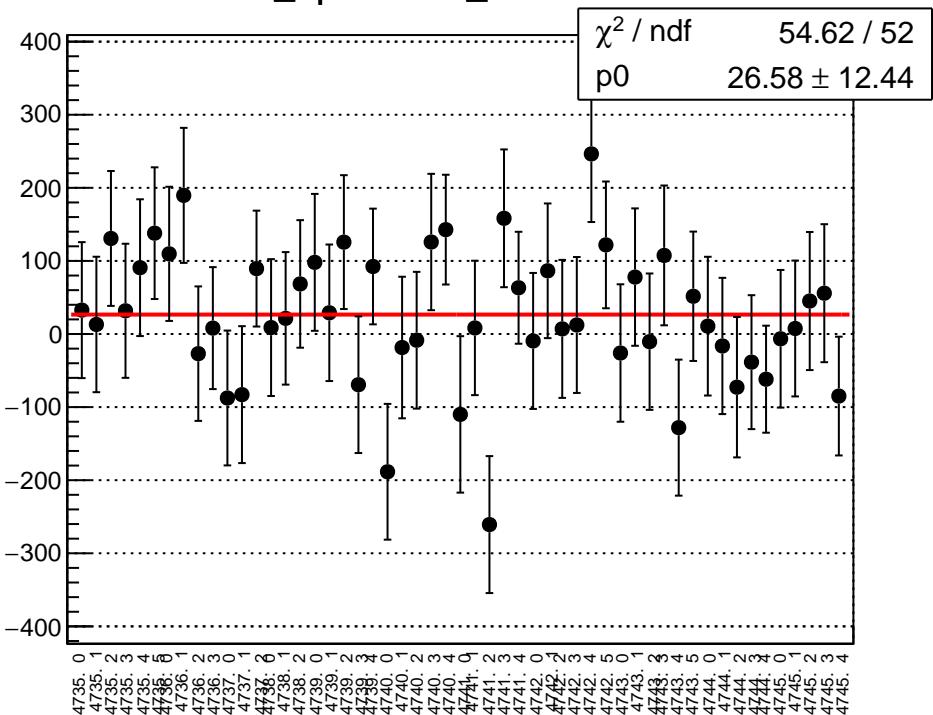
# diff\_bpm1i04Y\_mean vs run



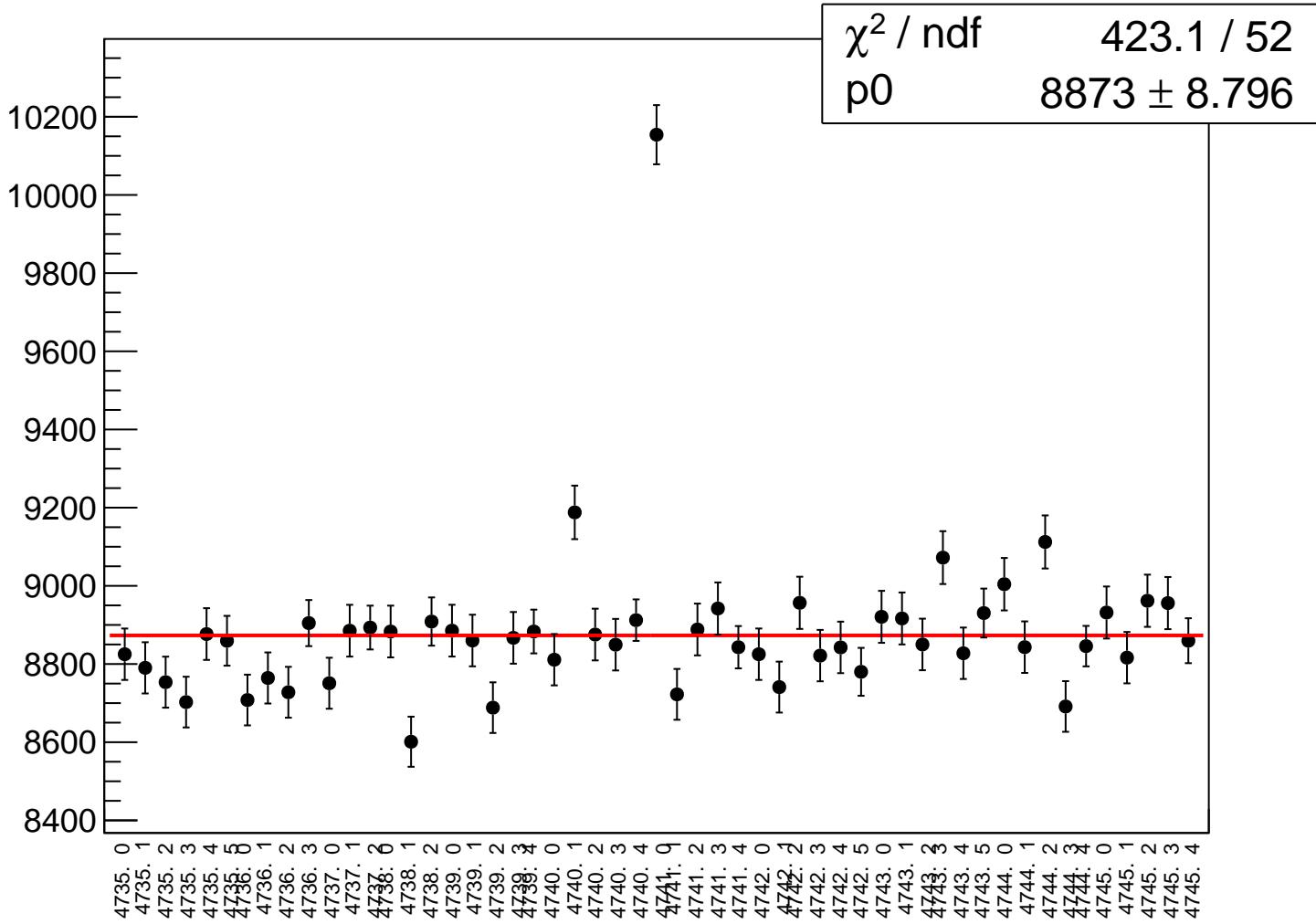
# diff\_bpm1i04Y\_rms vs run



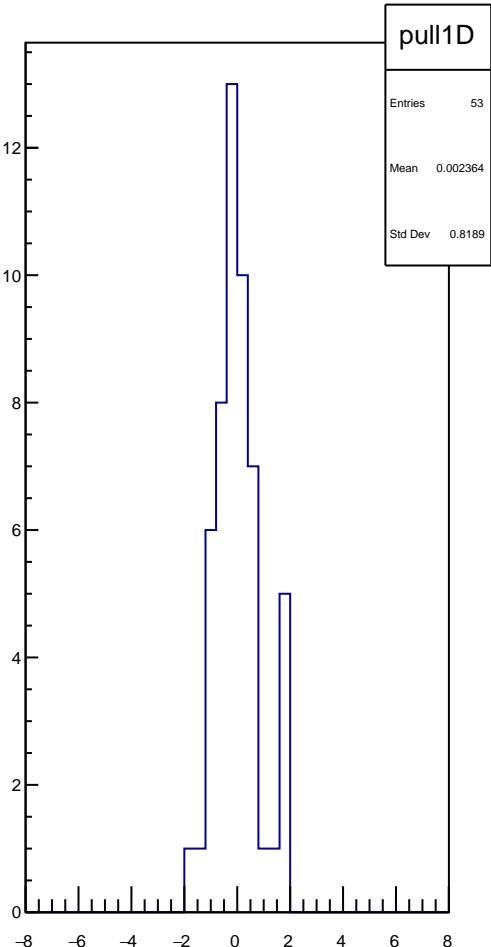
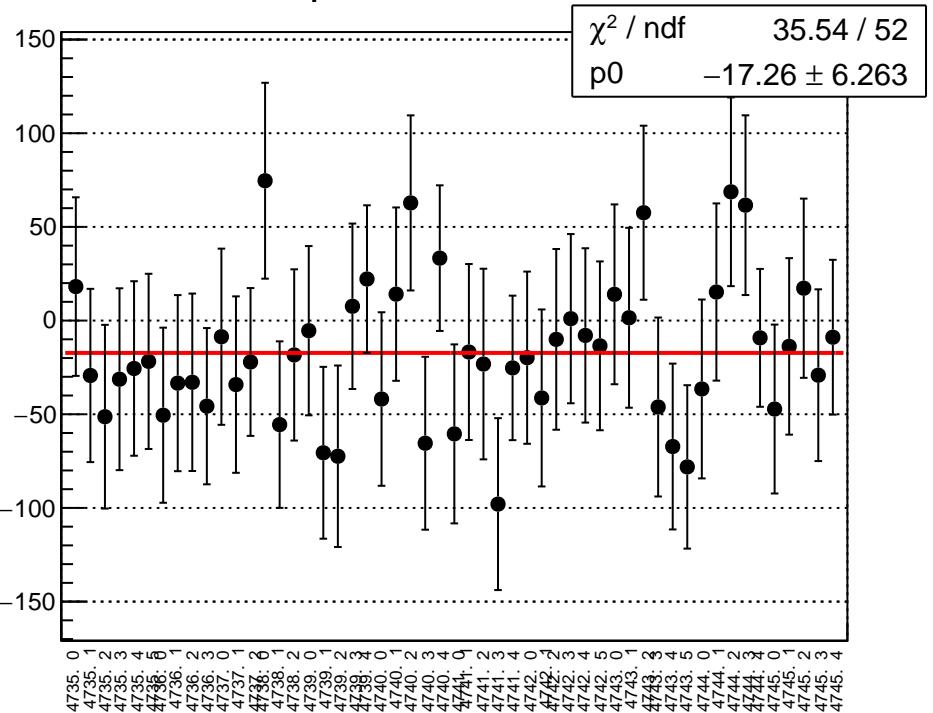
# diff\_bpm0l02X\_mean vs run



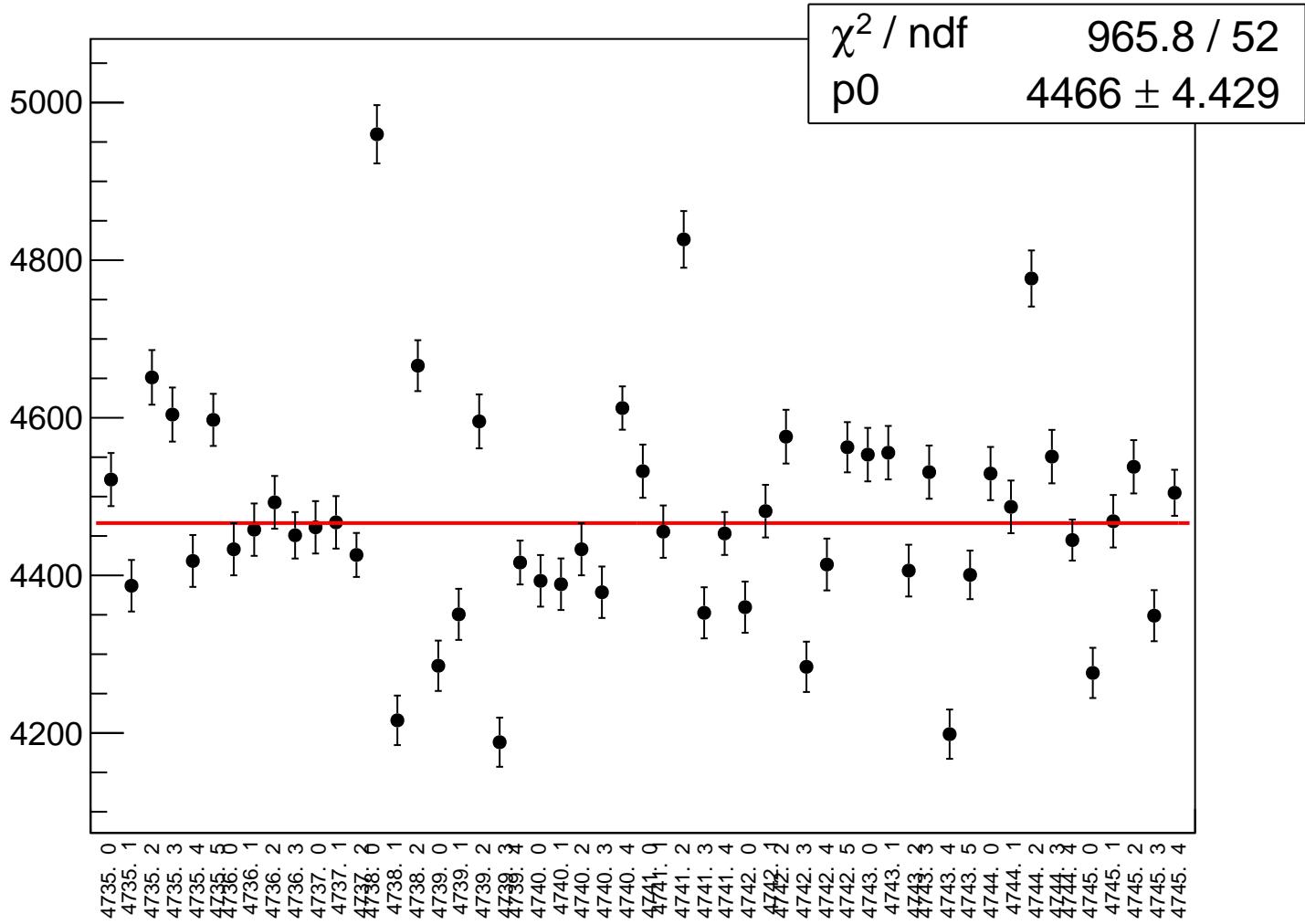
# diff\_bpm0I02X\_rms vs run



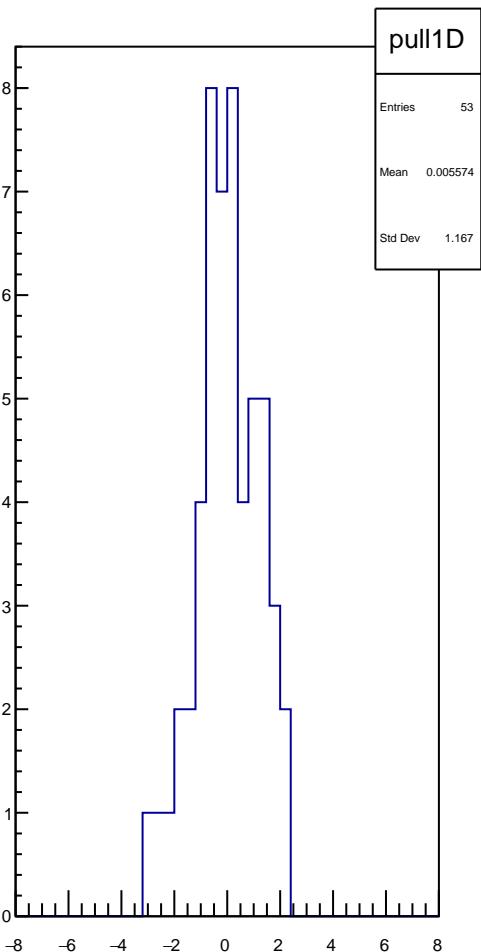
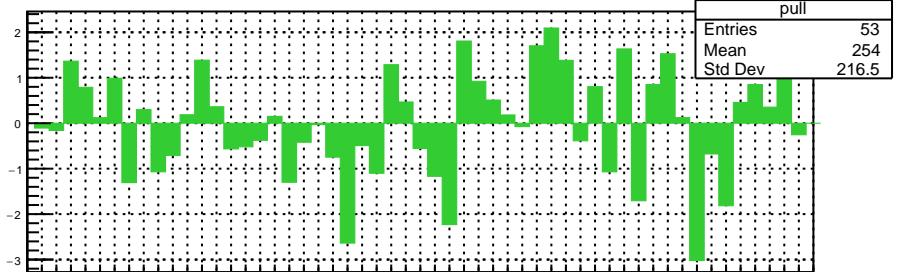
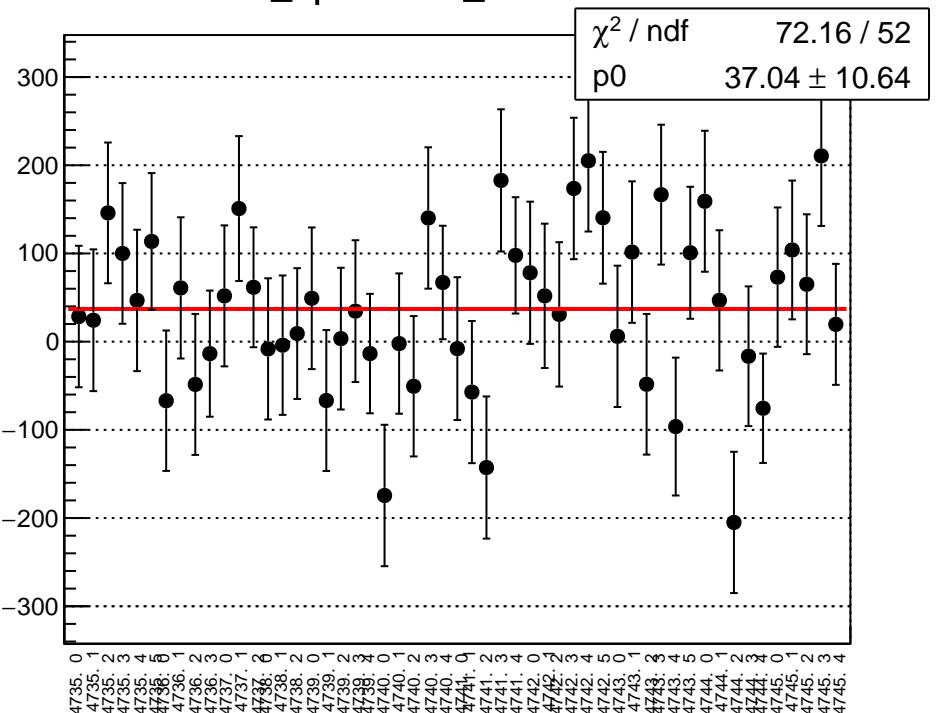
# diff\_bpm0l02Y\_mean vs run



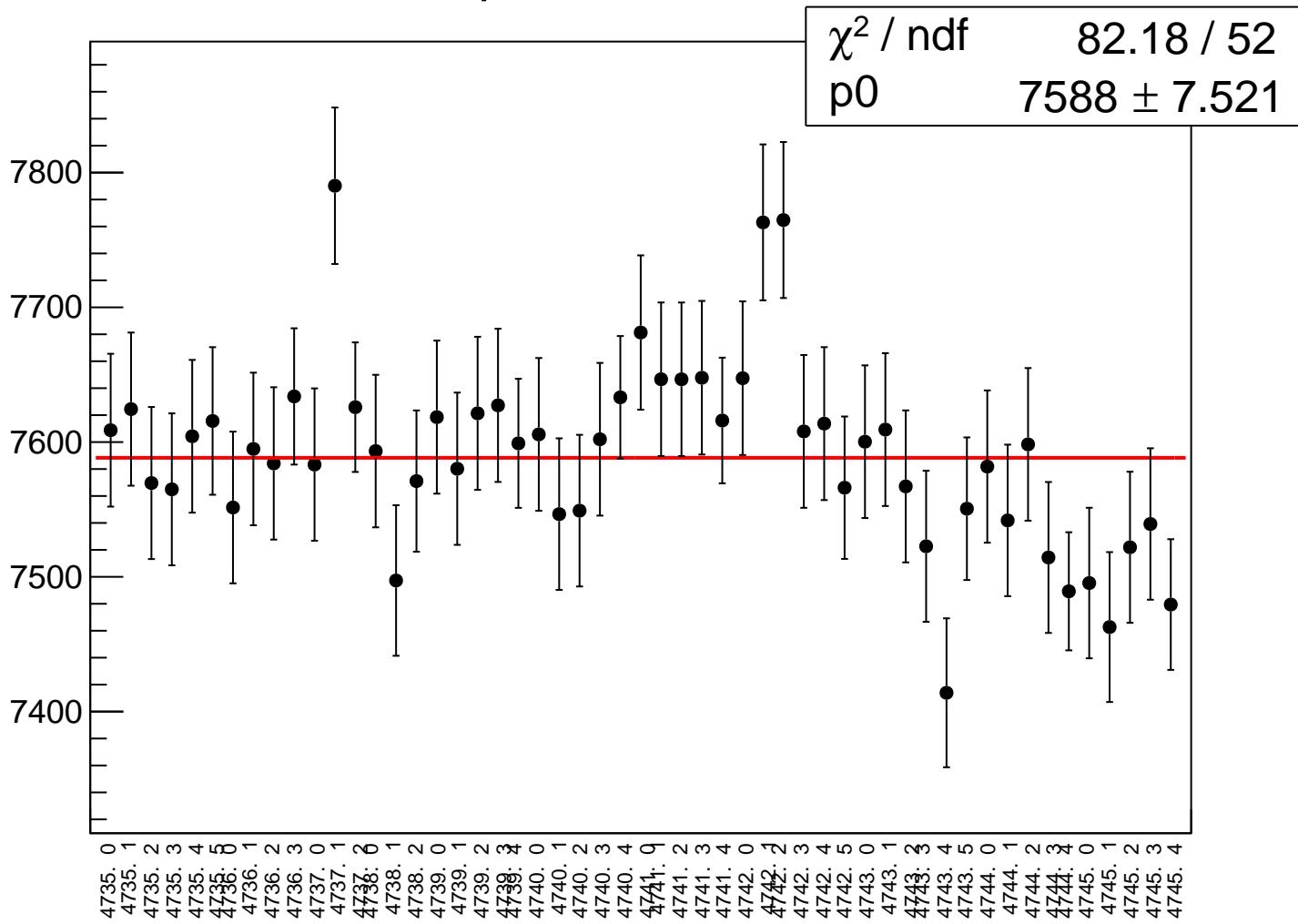
# diff\_bpmon02Y\_rms vs run



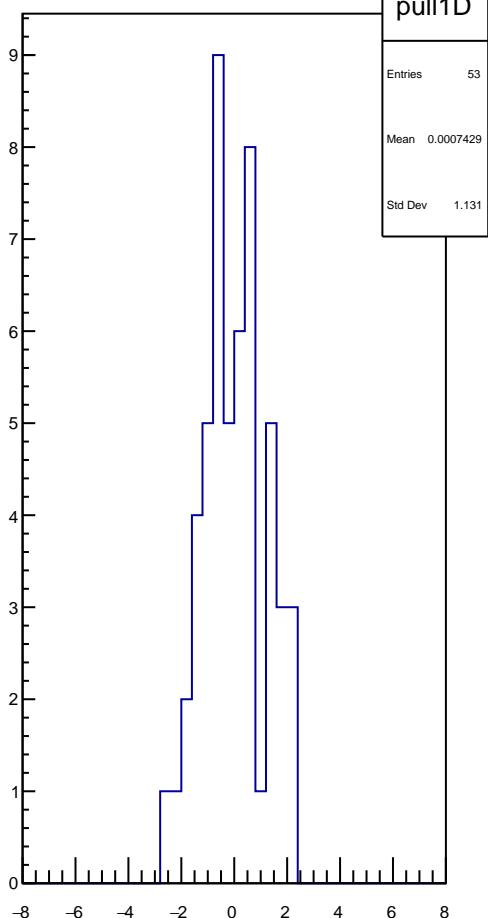
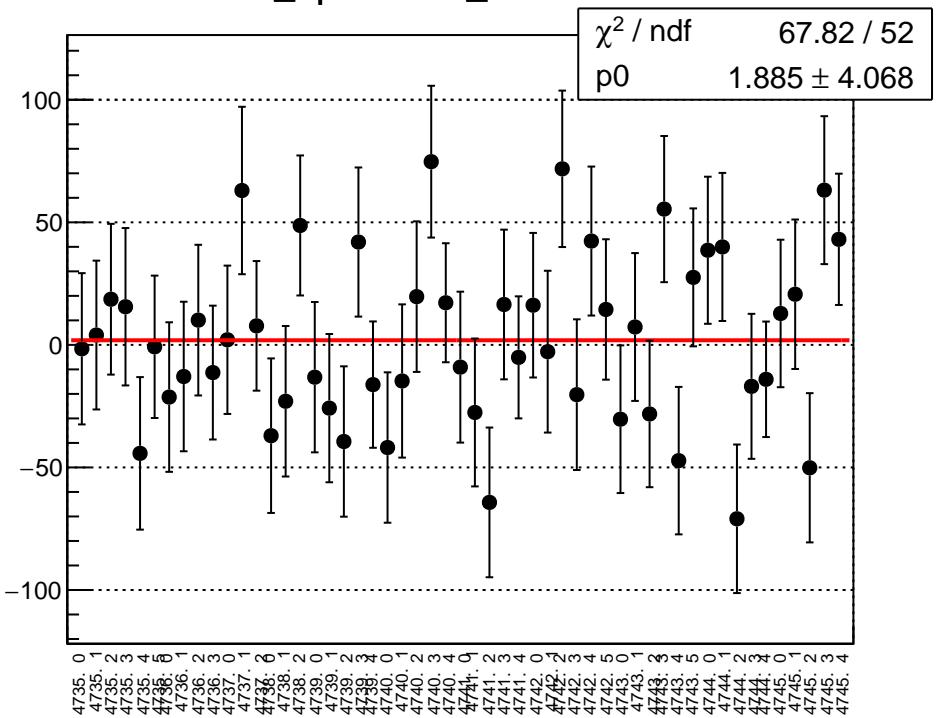
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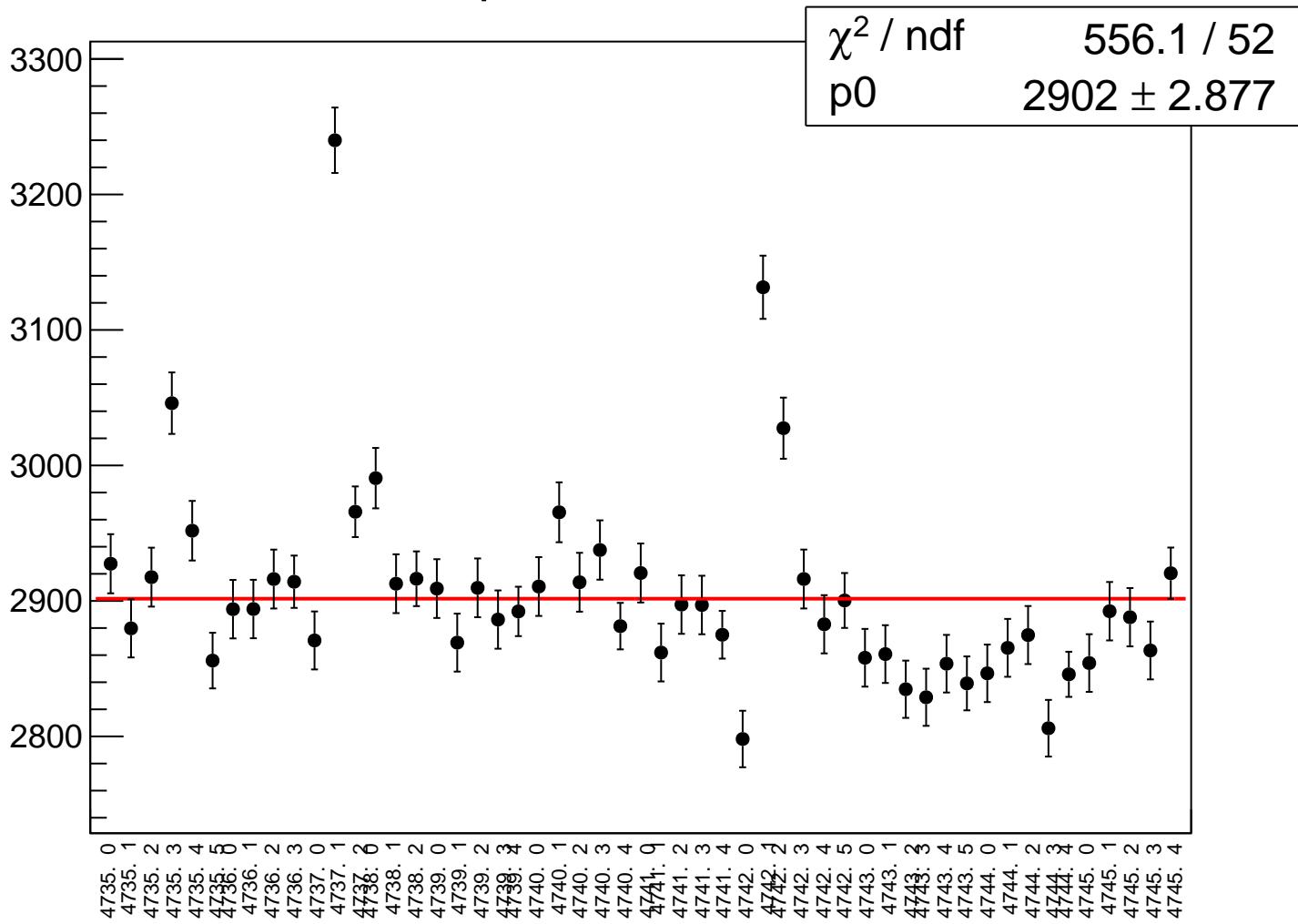
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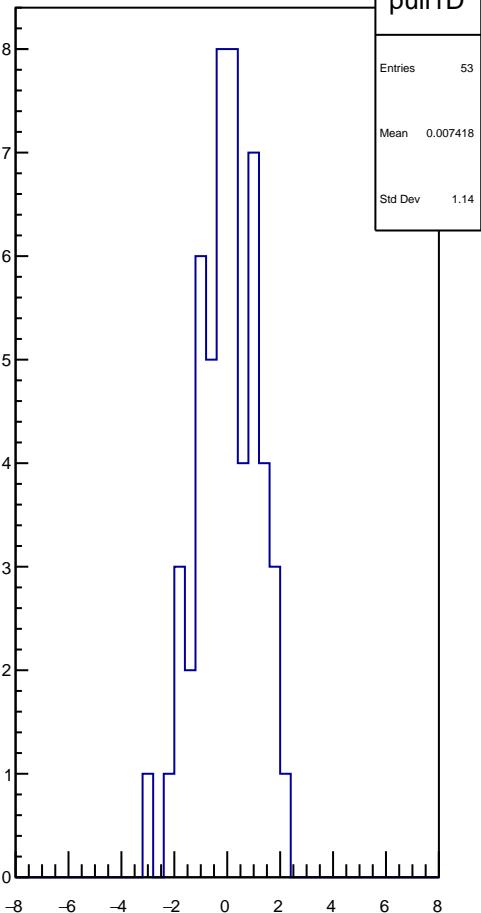
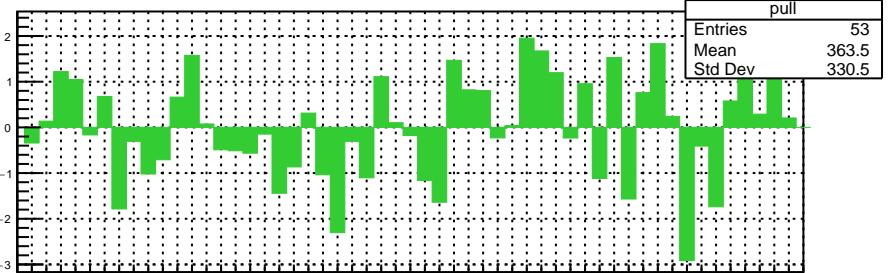
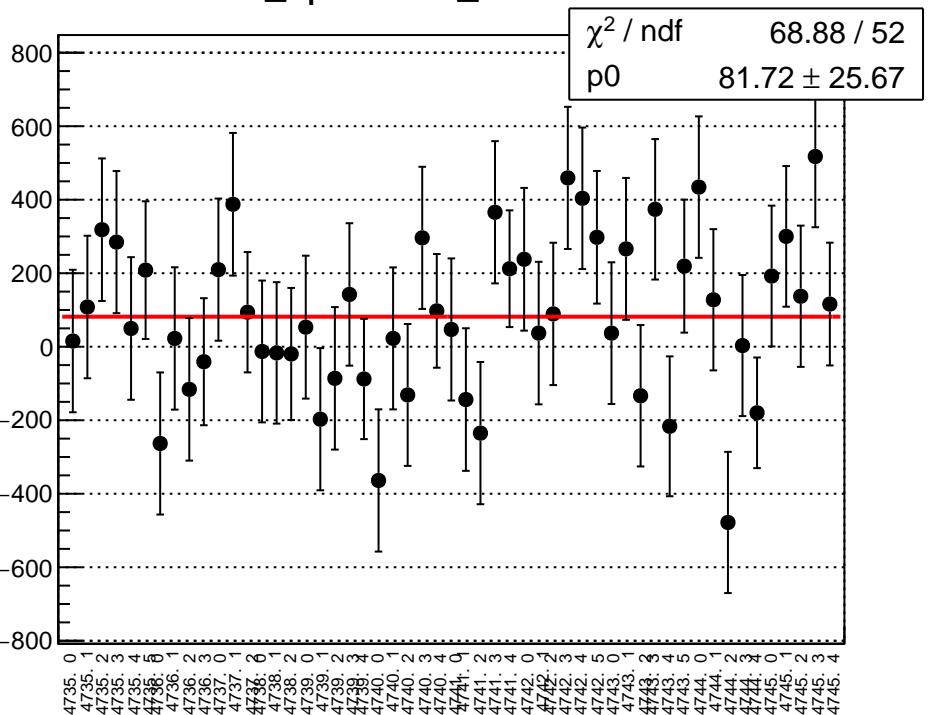
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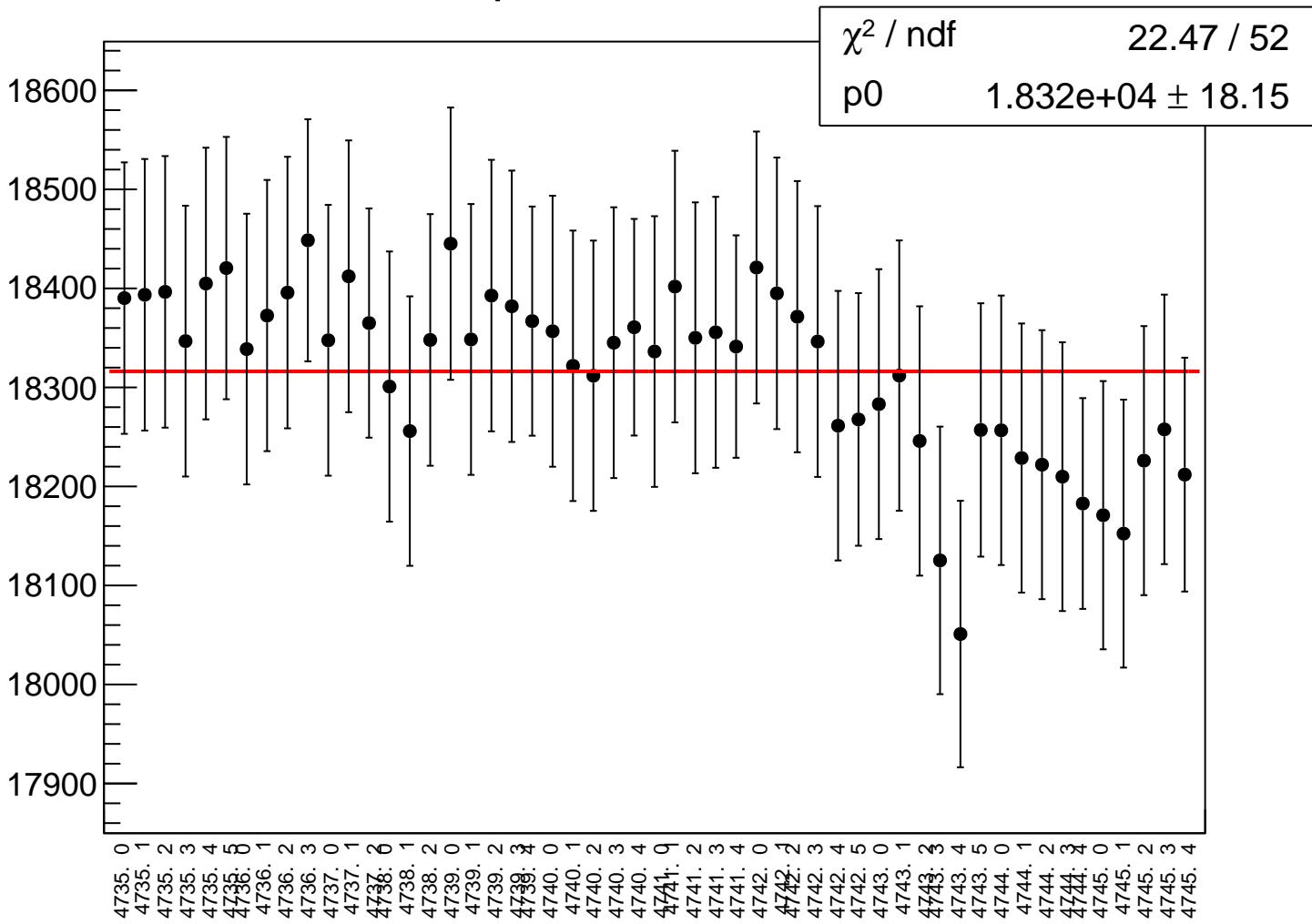
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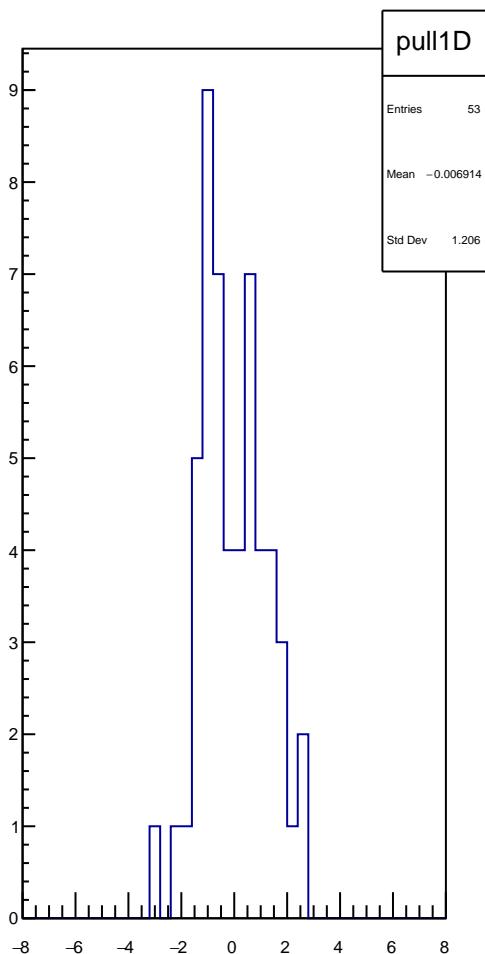
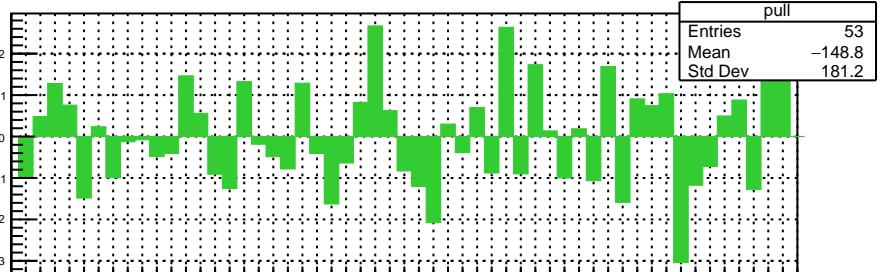
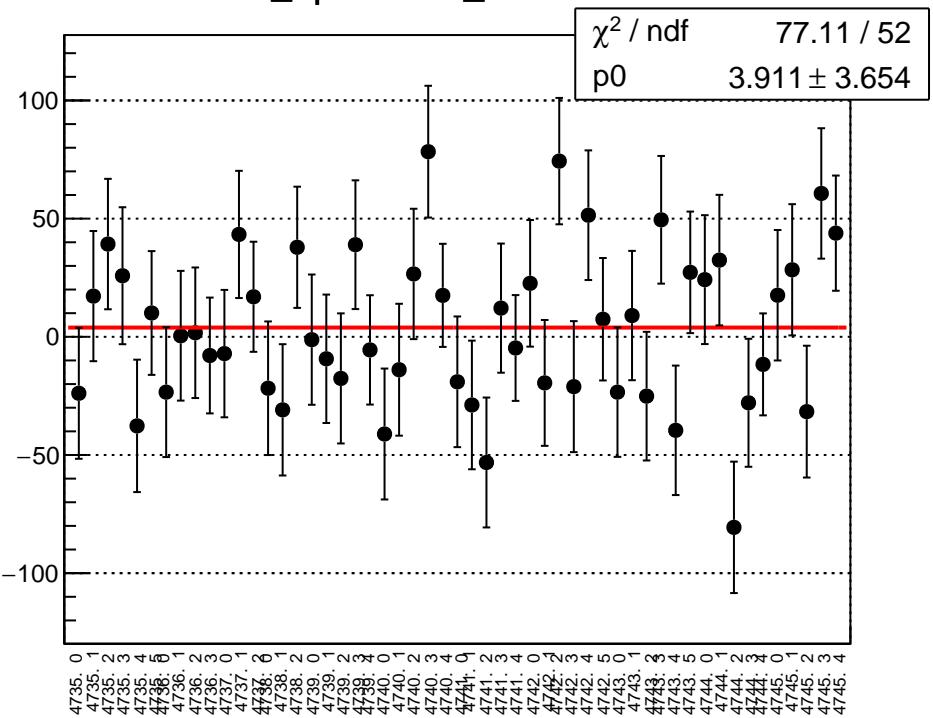
# diff\_bpm0l04X\_mean vs run



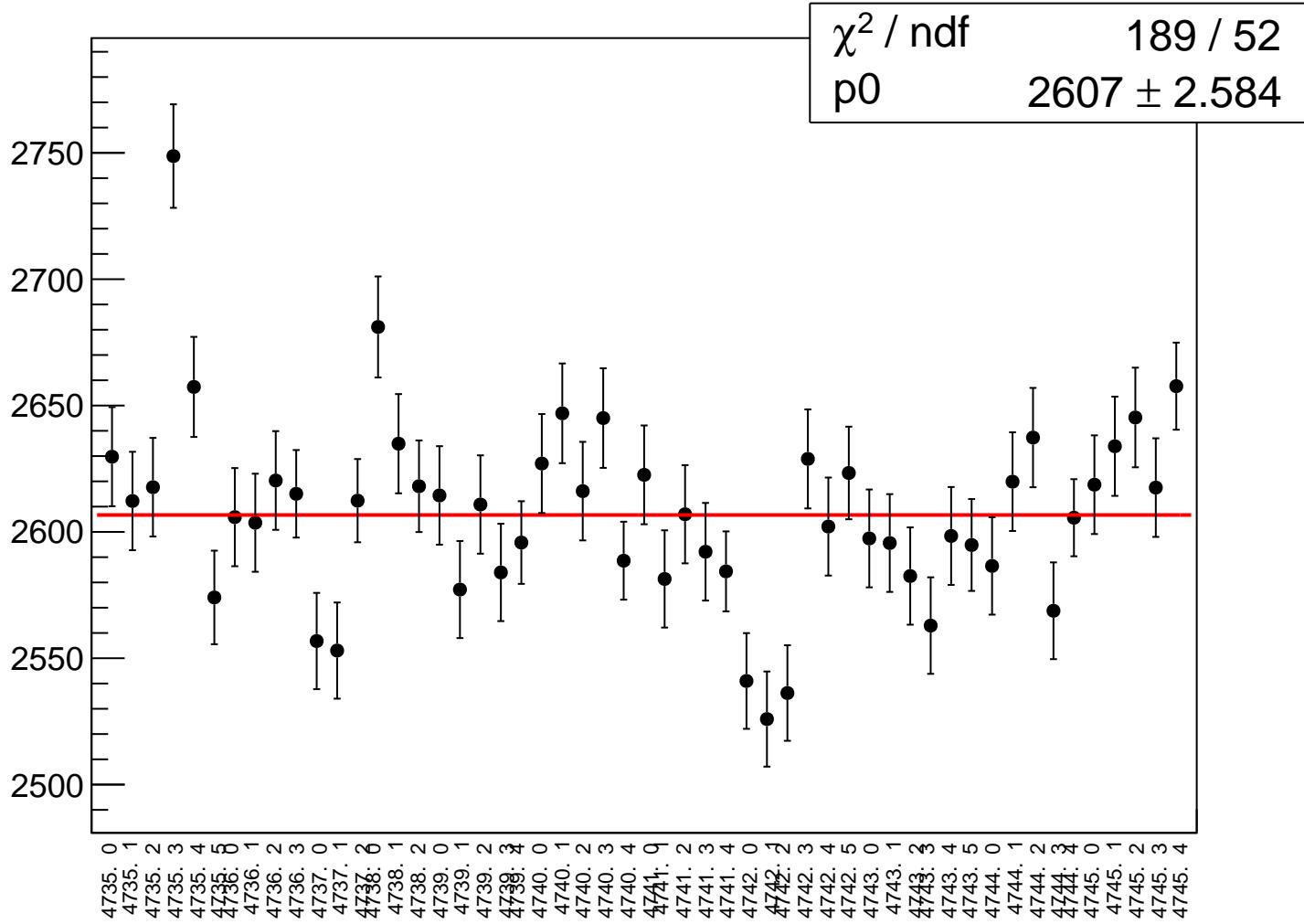
# diff\_bpm0I04X\_rms vs run



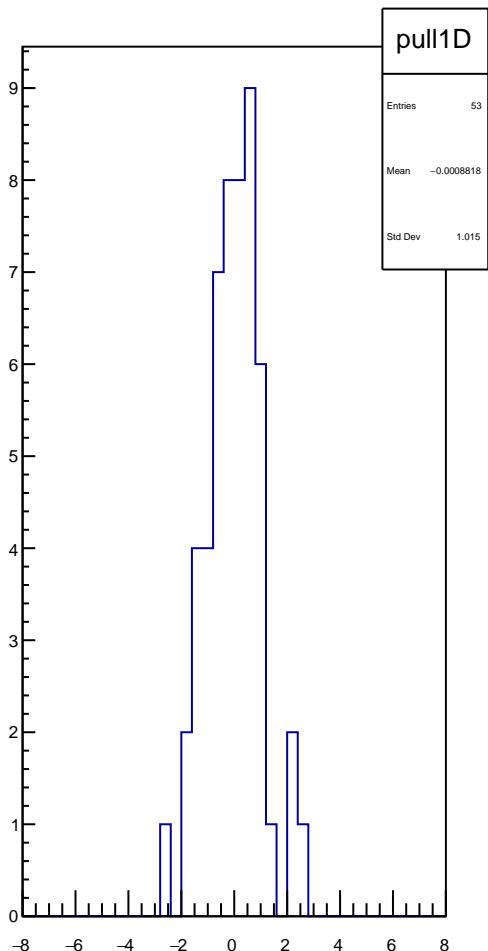
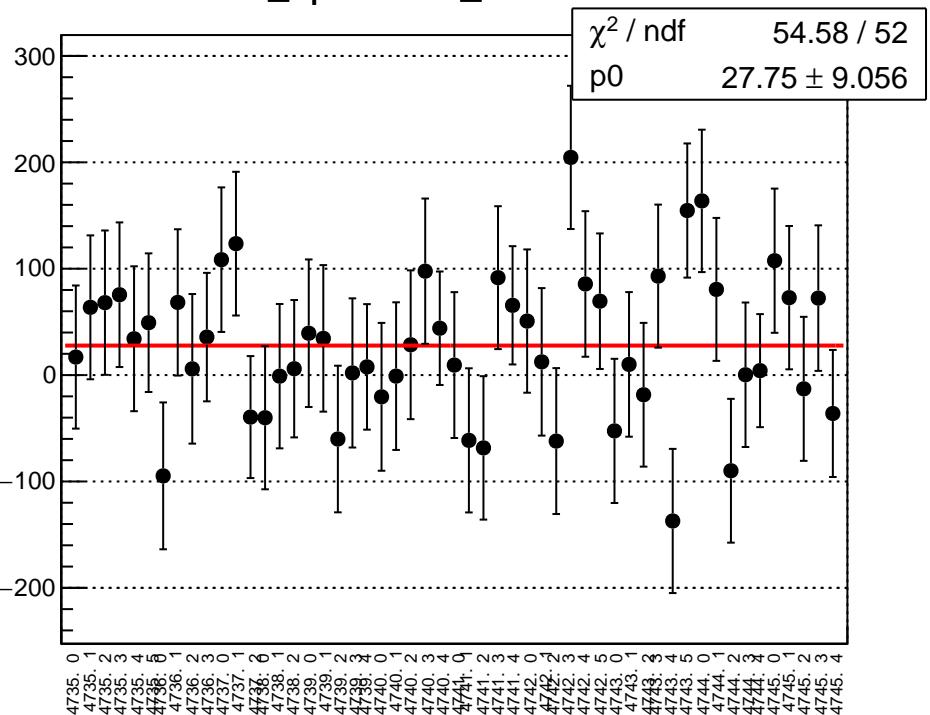
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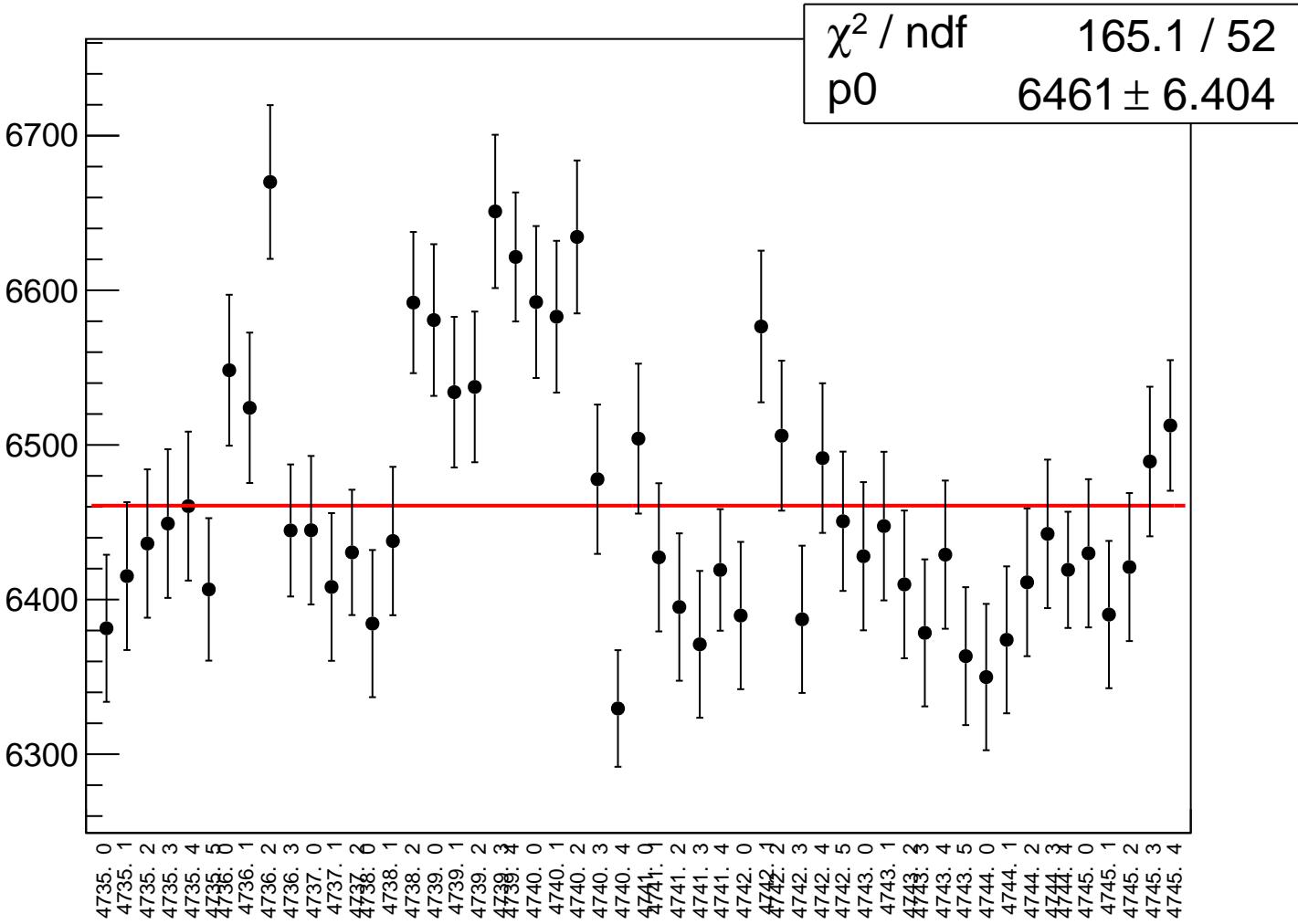
# diff\_bpm0I04Y\_rms vs run



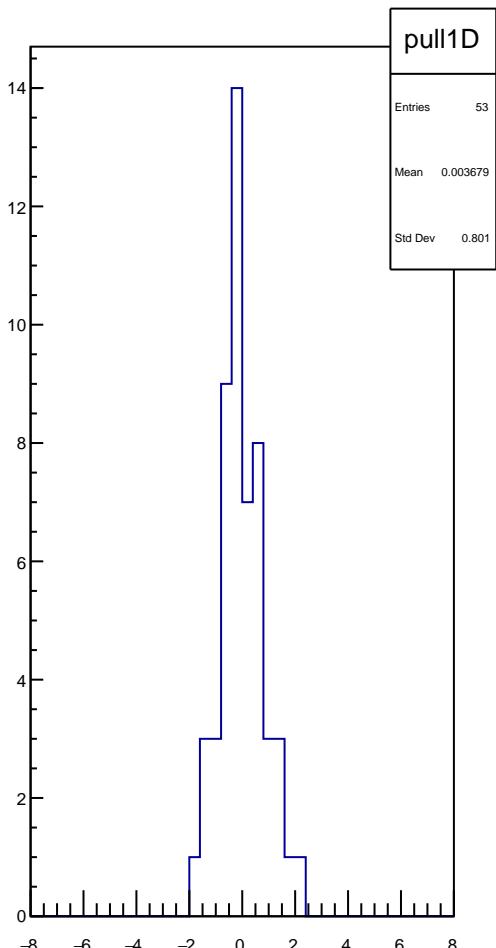
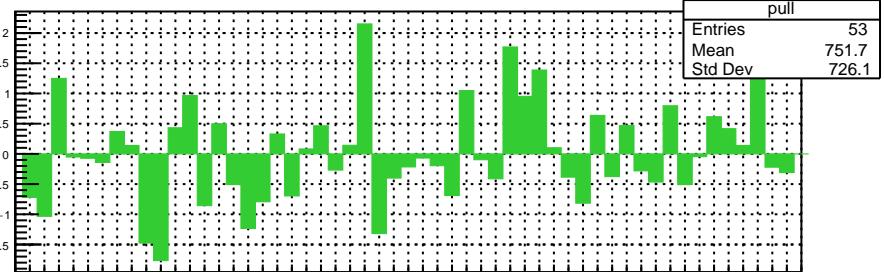
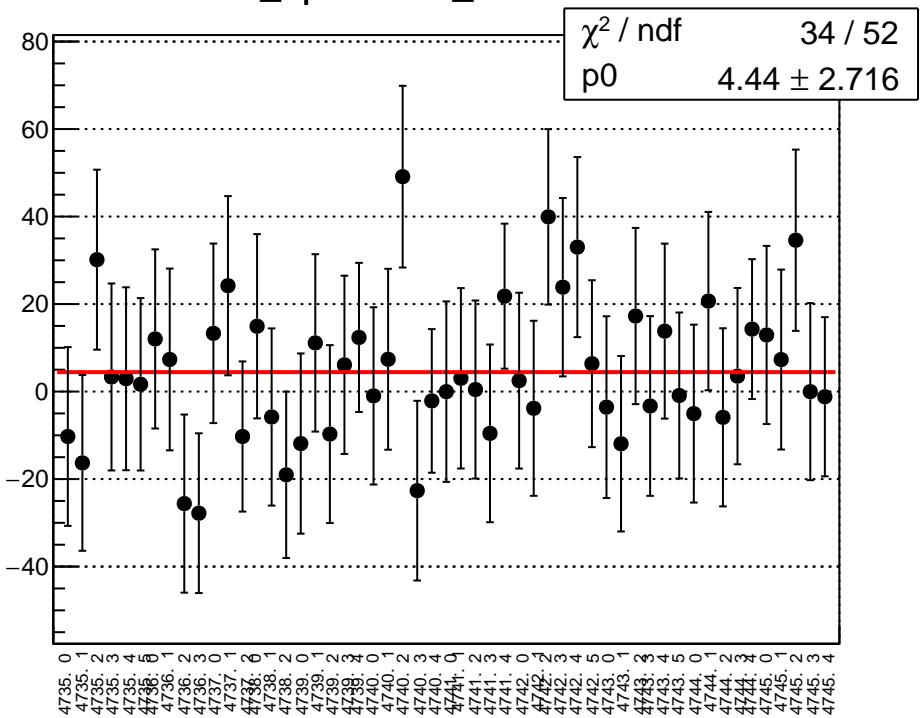
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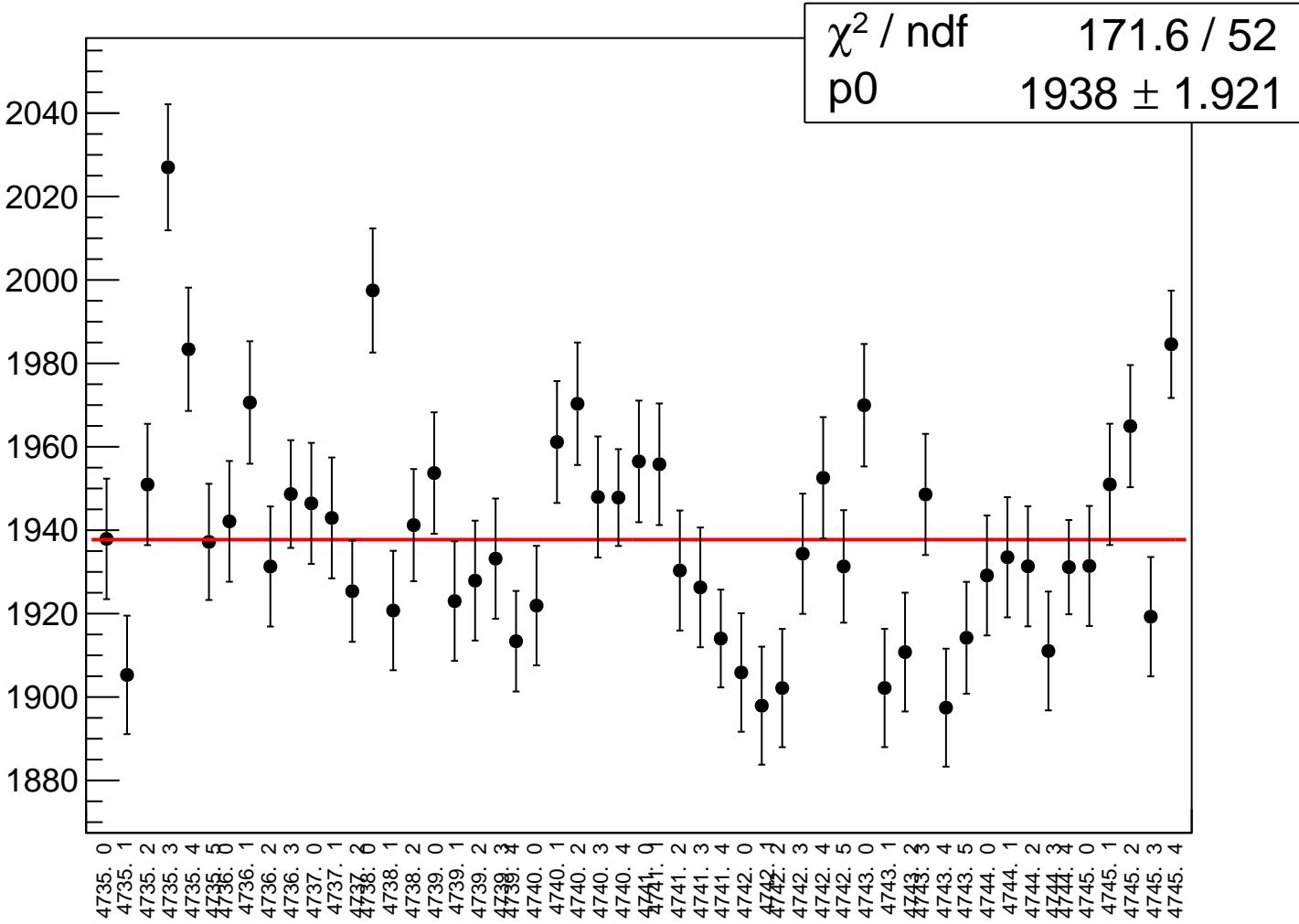
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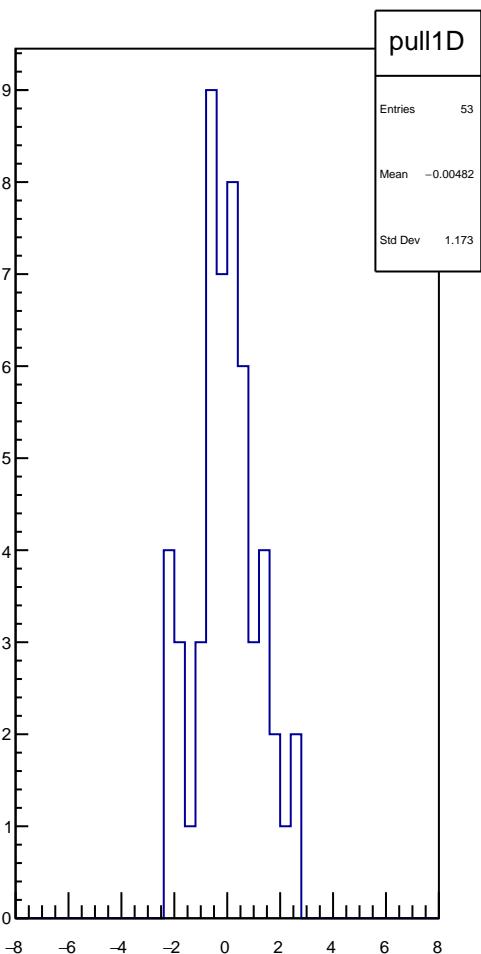
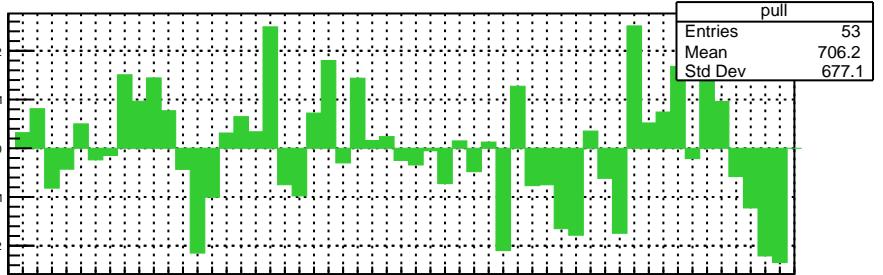
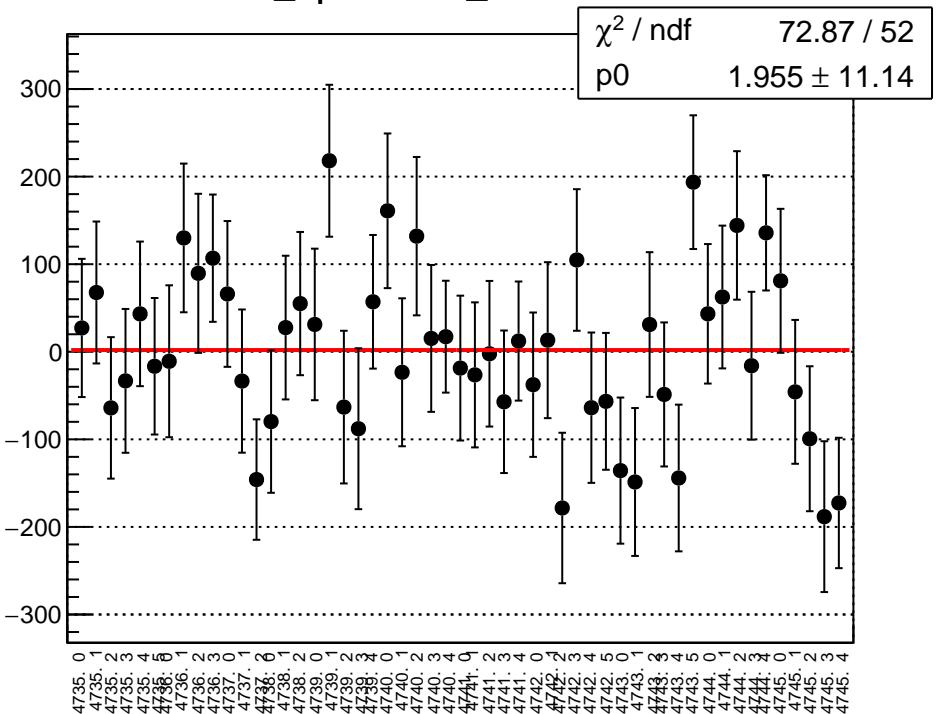
# diff\_bpm0l05Y\_mean vs run



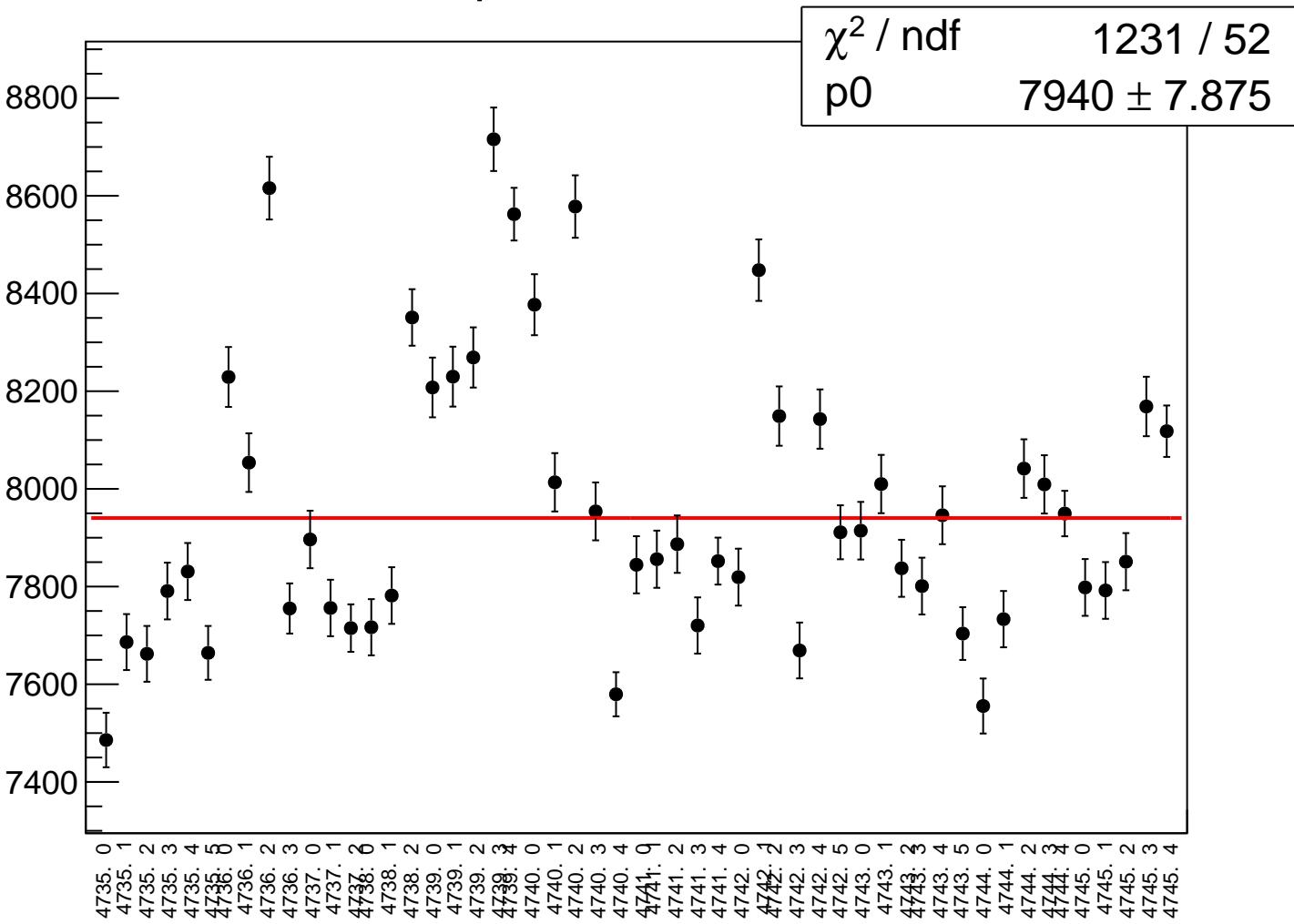
# diff\_bpm0I05Y\_rms vs run



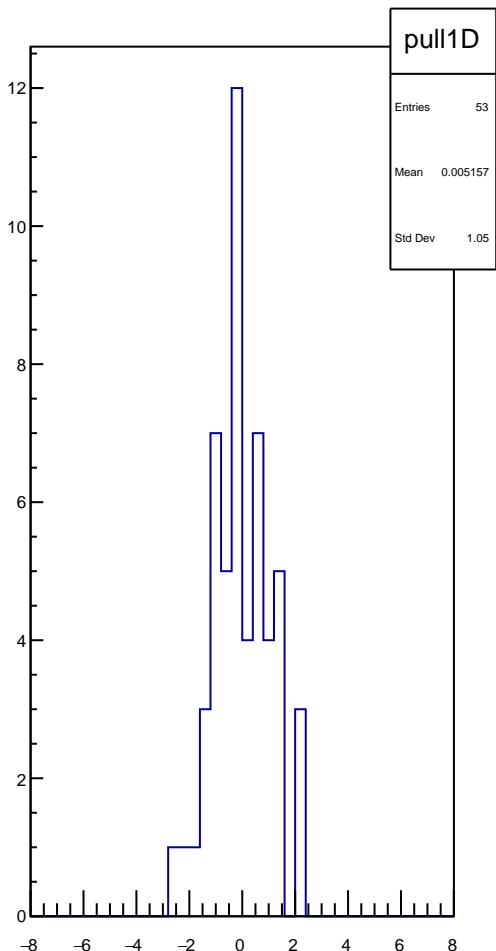
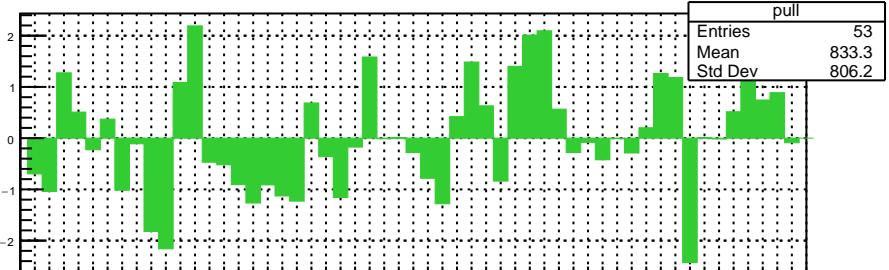
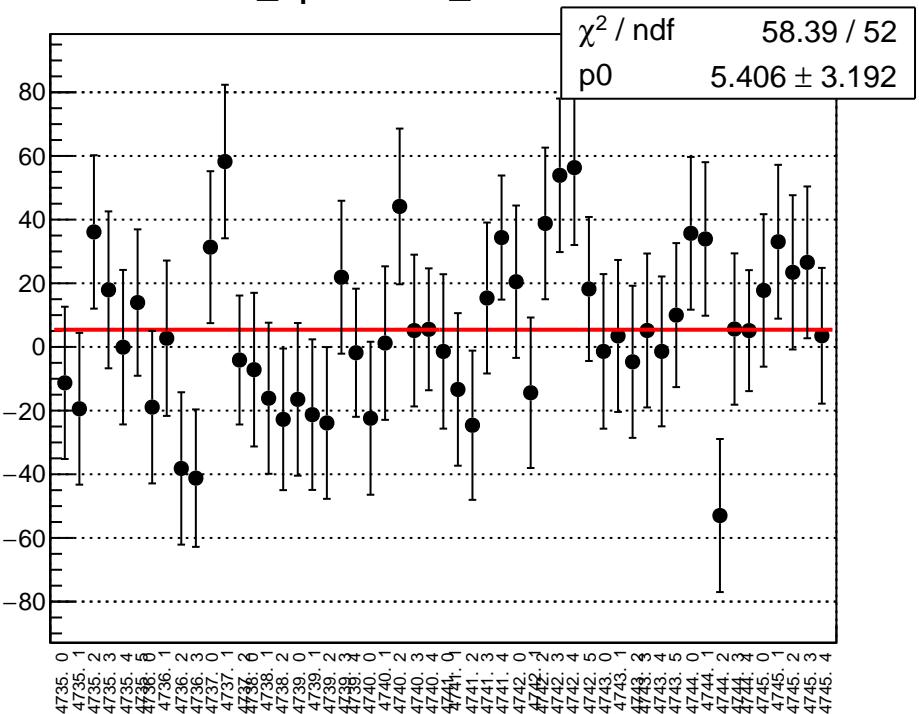
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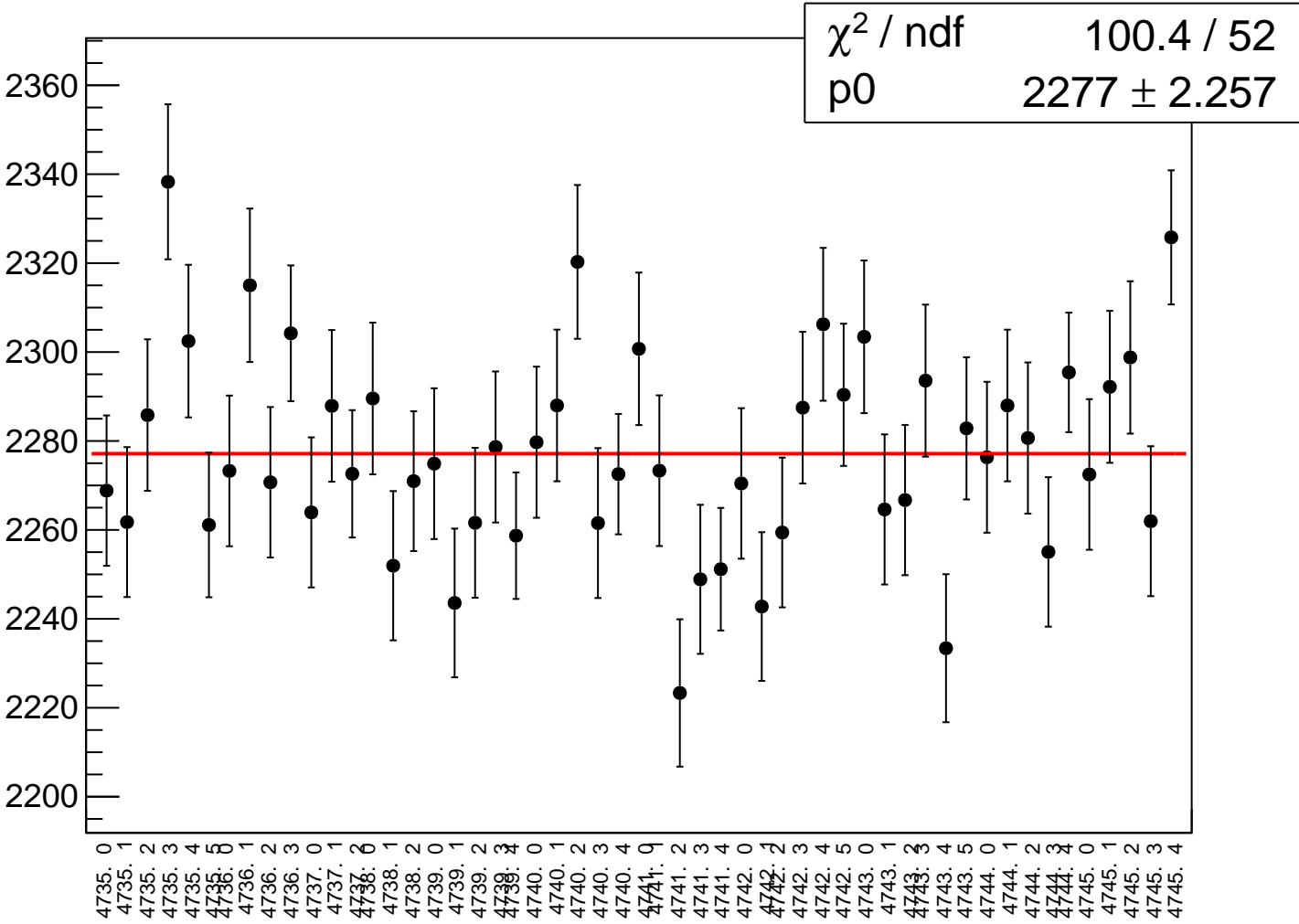
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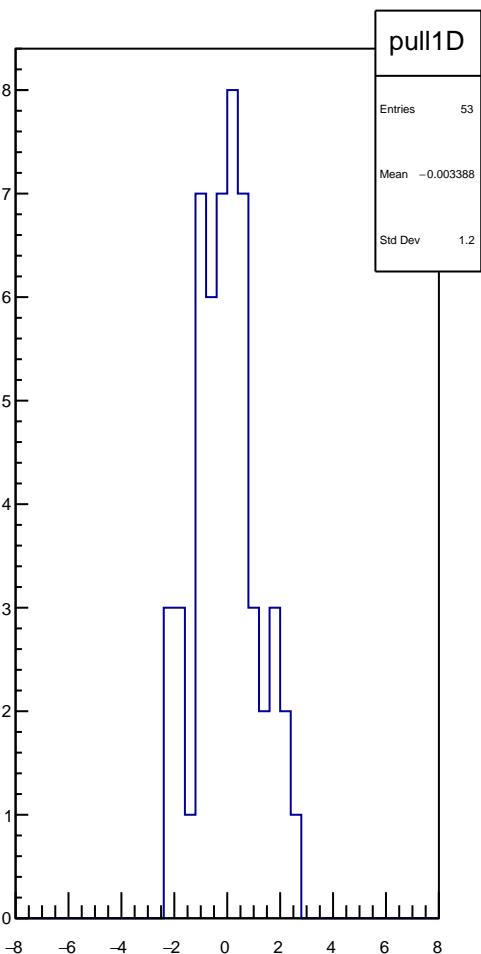
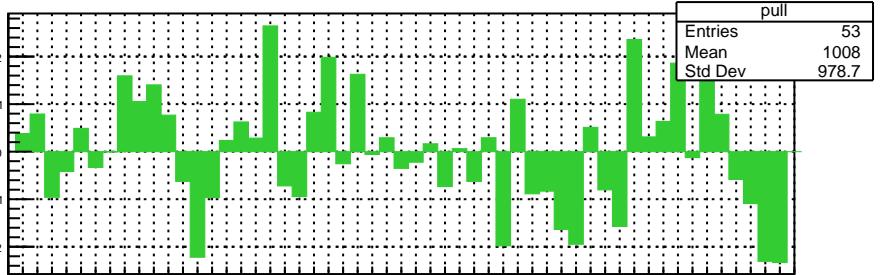
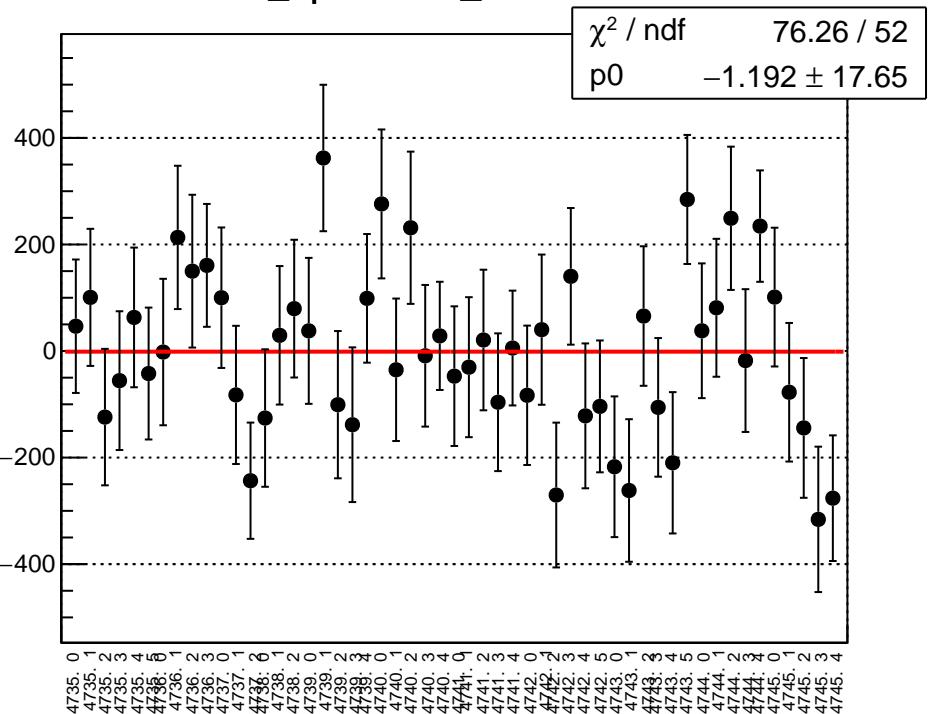
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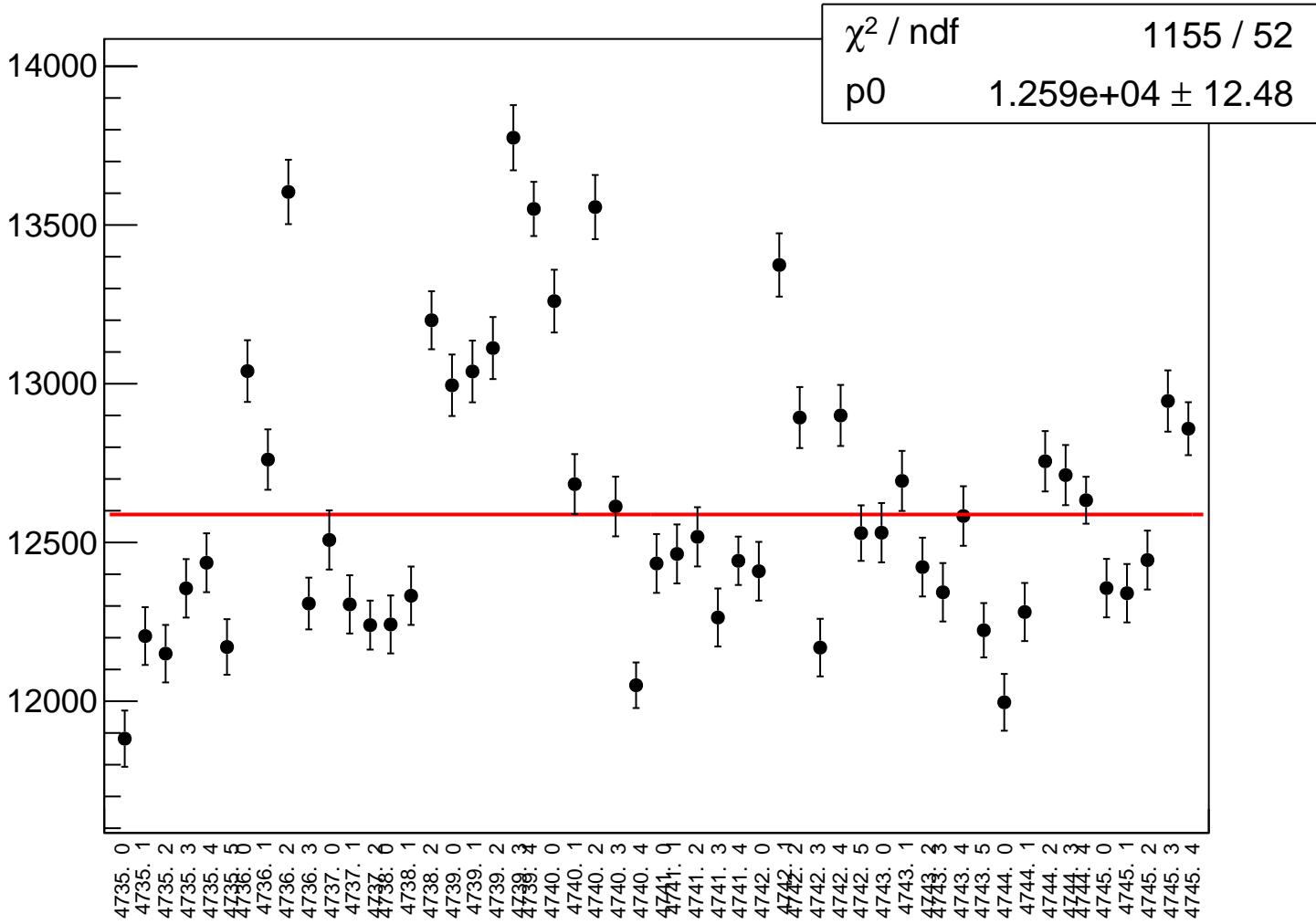
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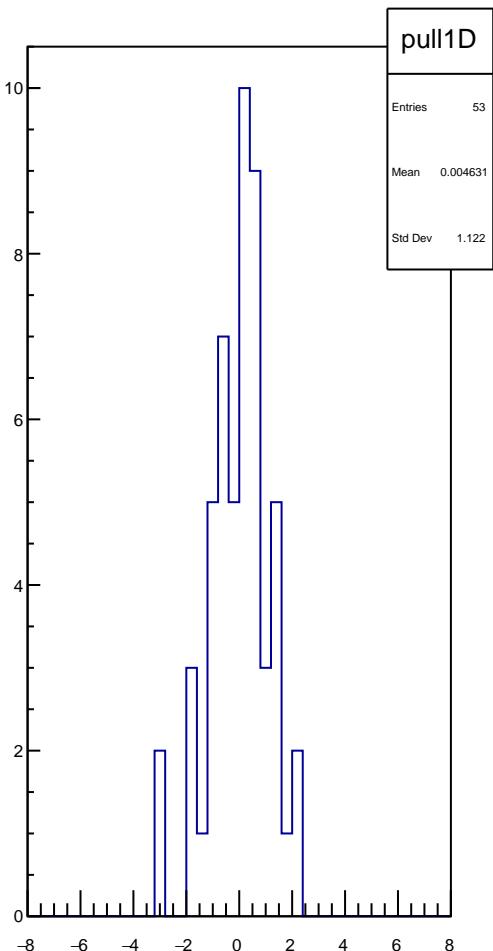
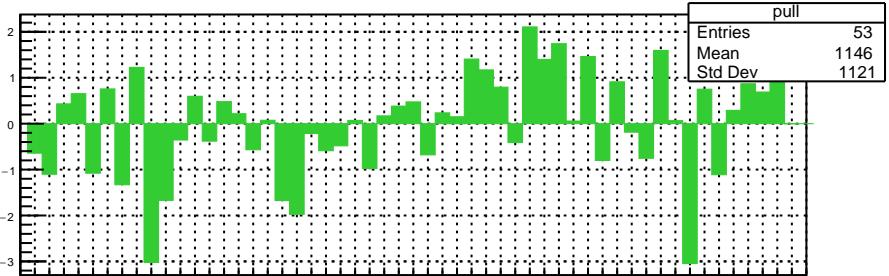
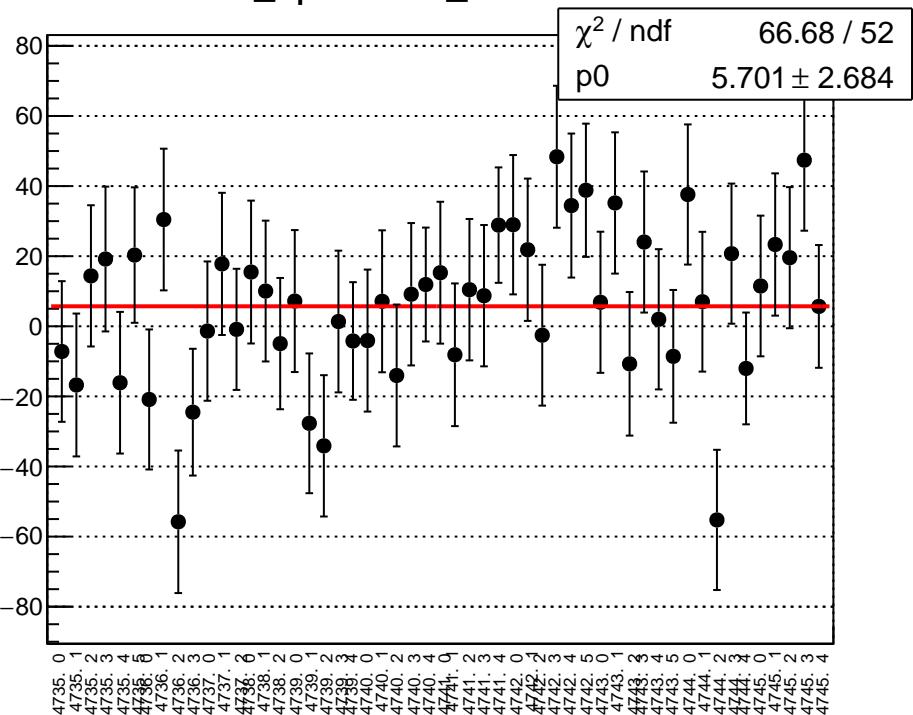
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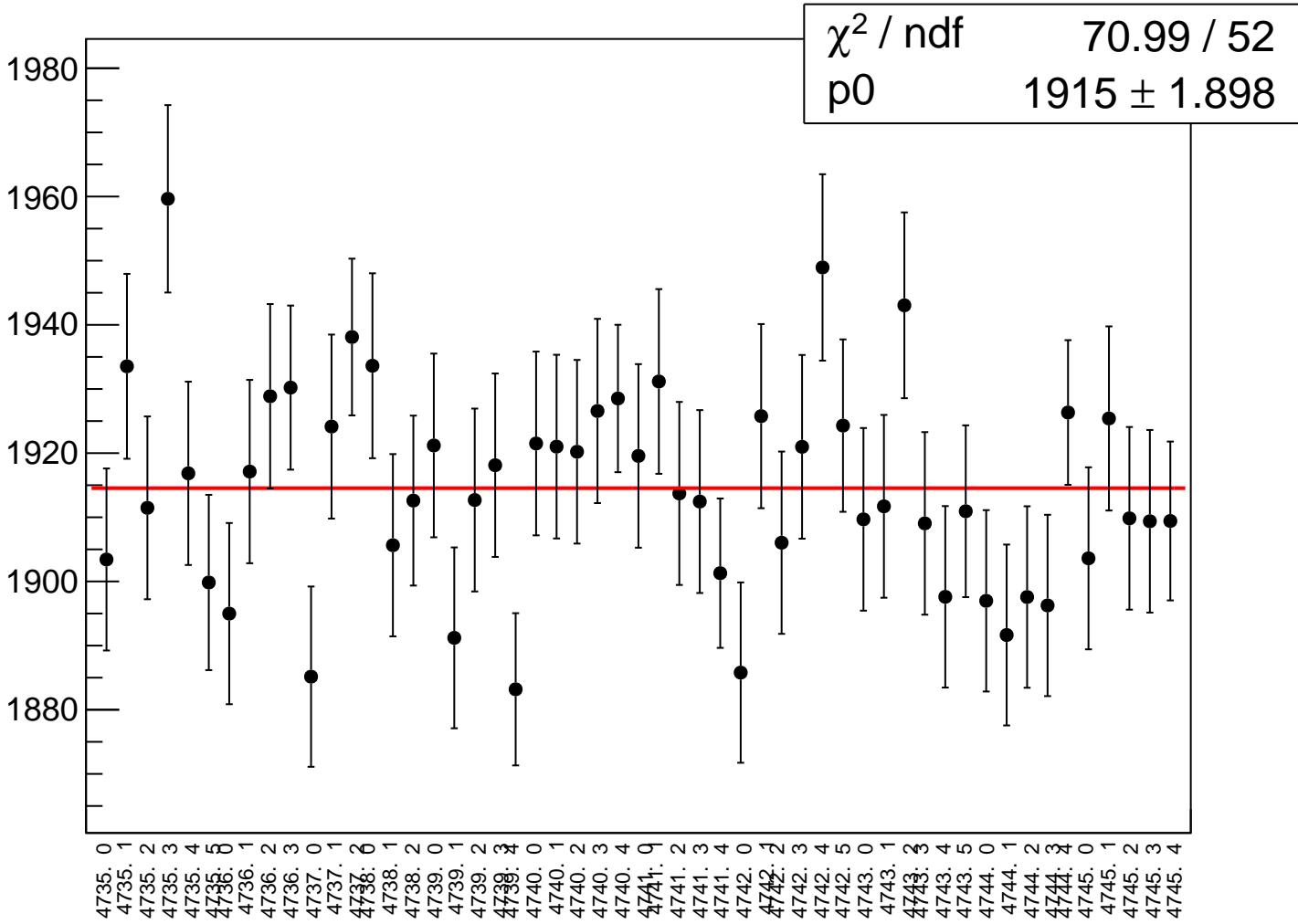
# diff\_bpmon07X\_rms vs run



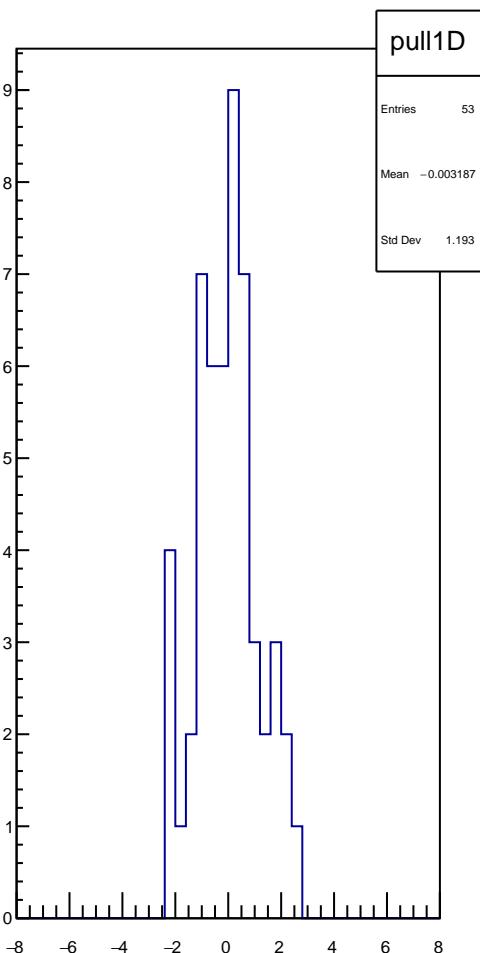
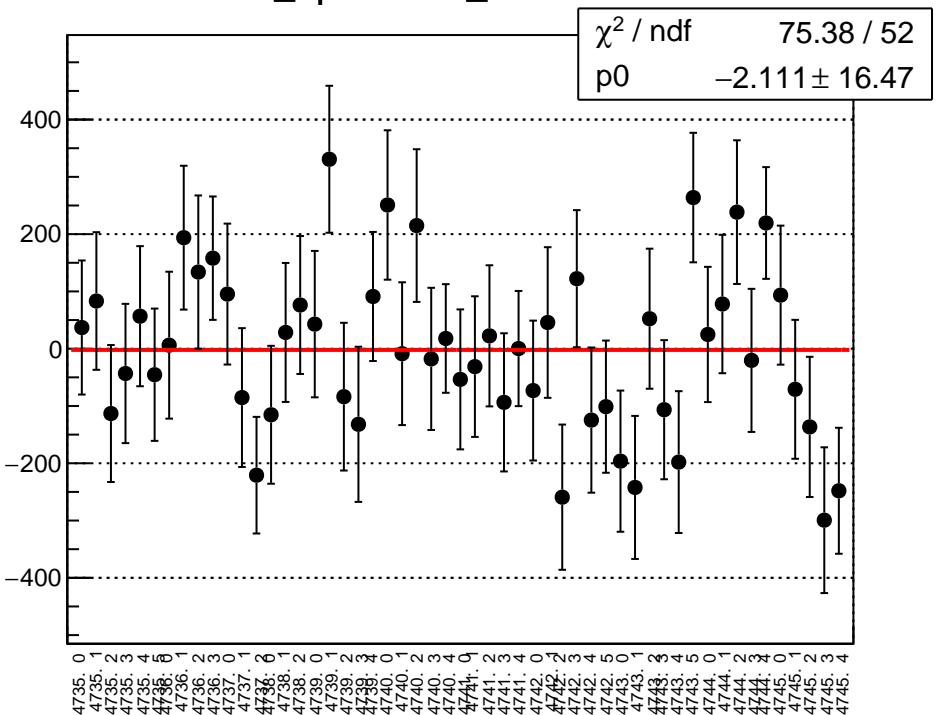
# diff\_bpm0l07Y\_mean vs run



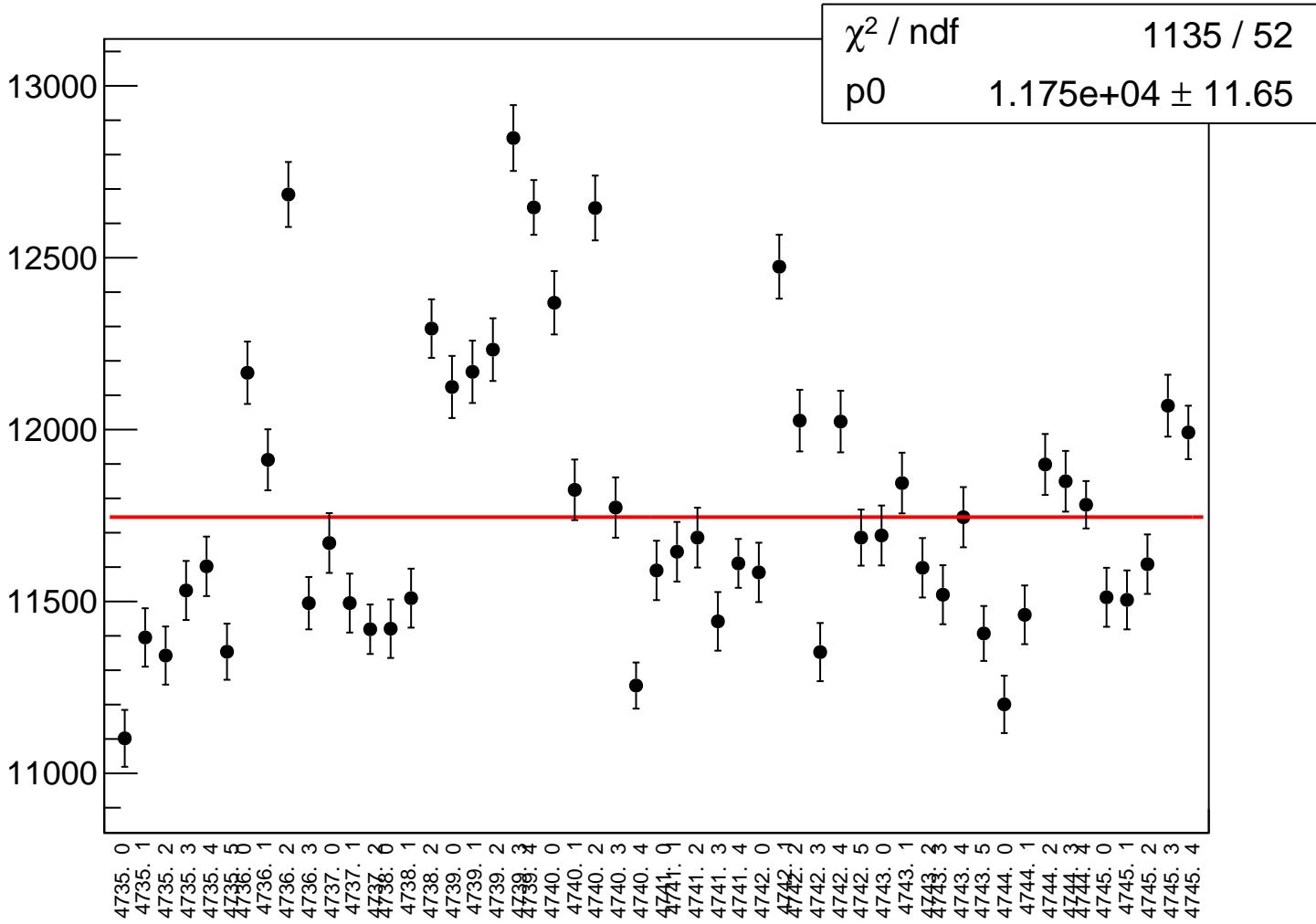
# diff\_bpm0I07Y\_rms vs run



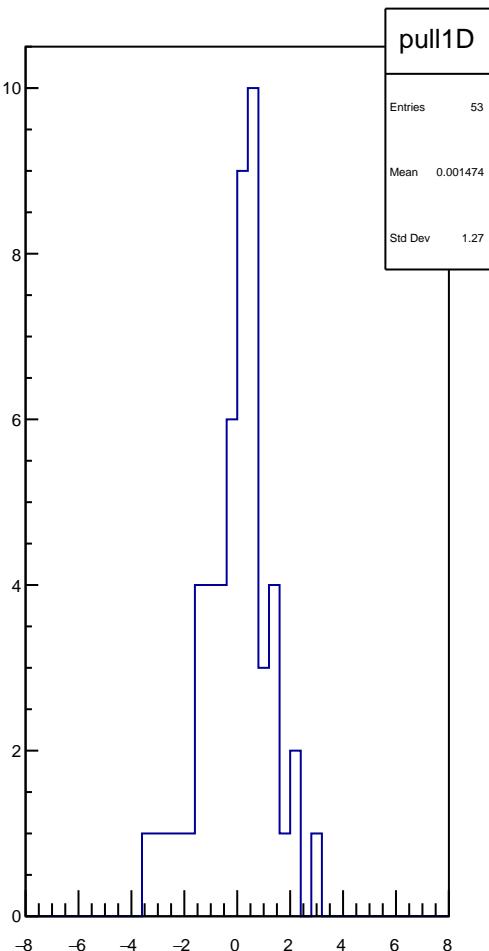
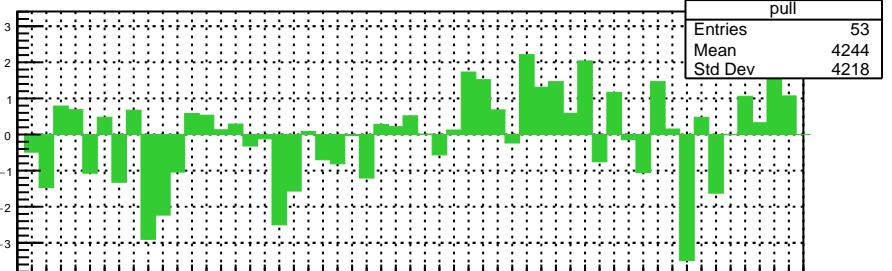
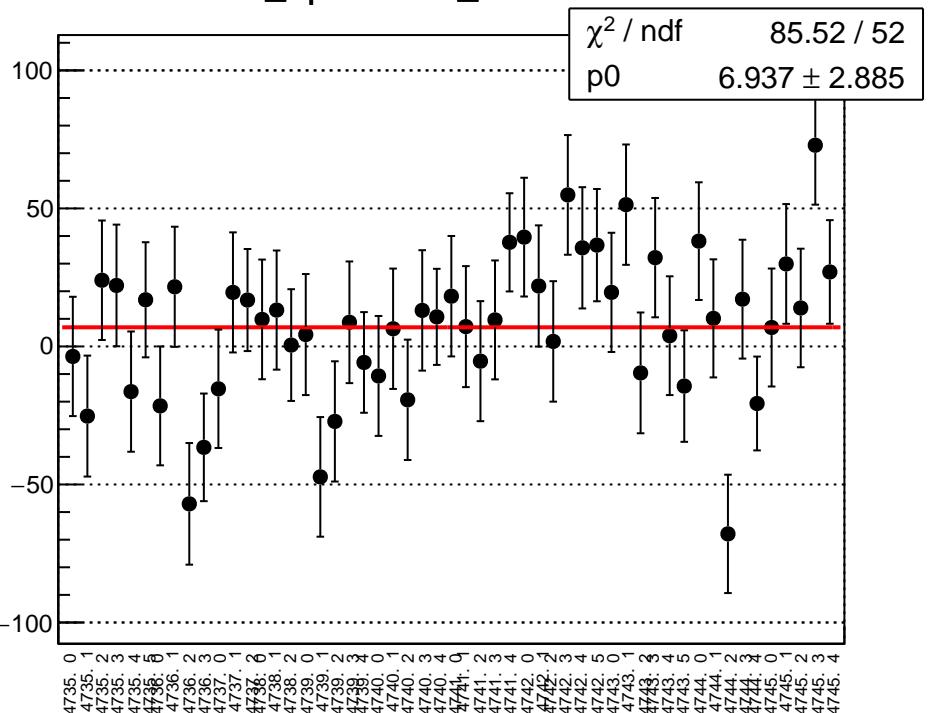
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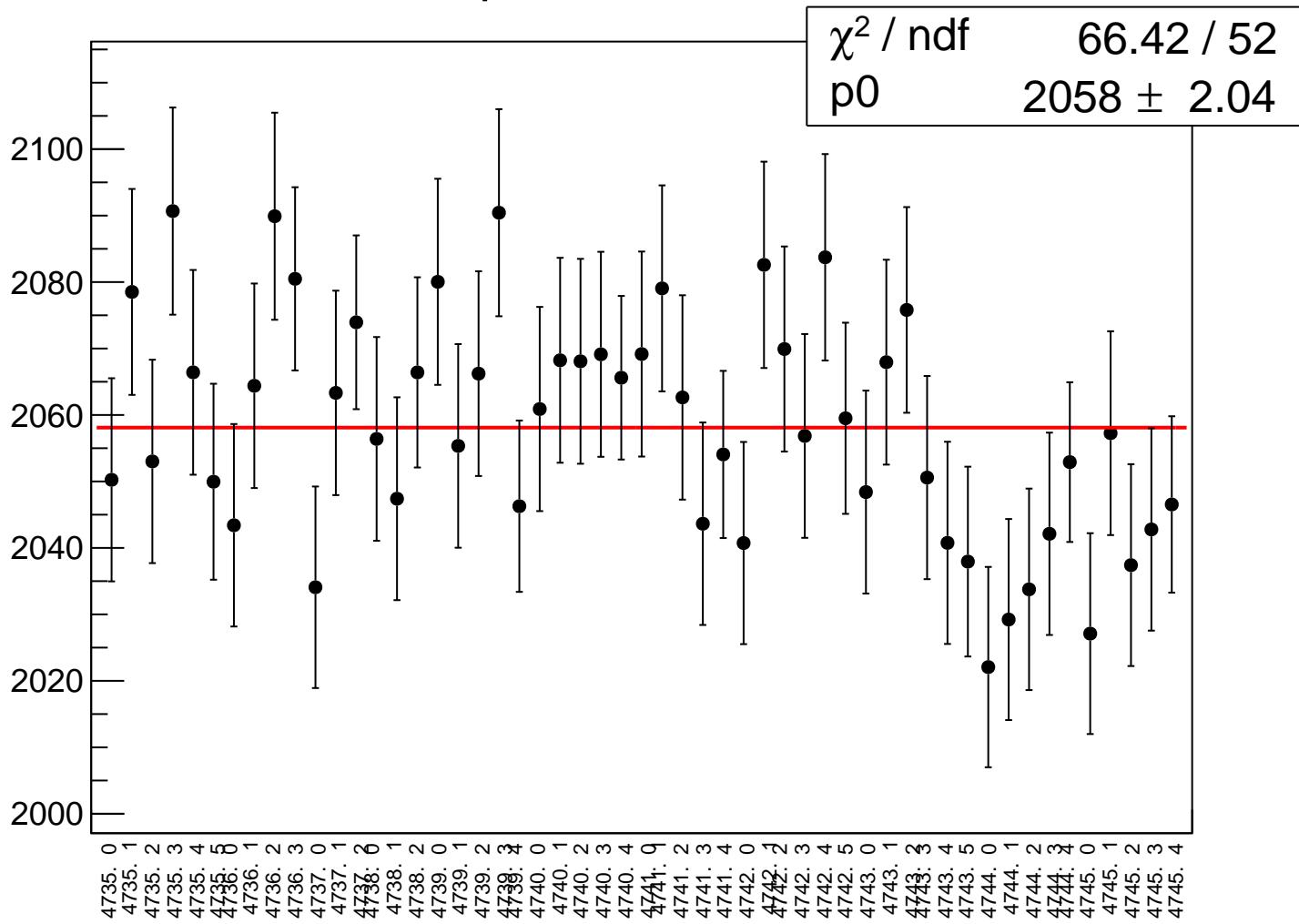
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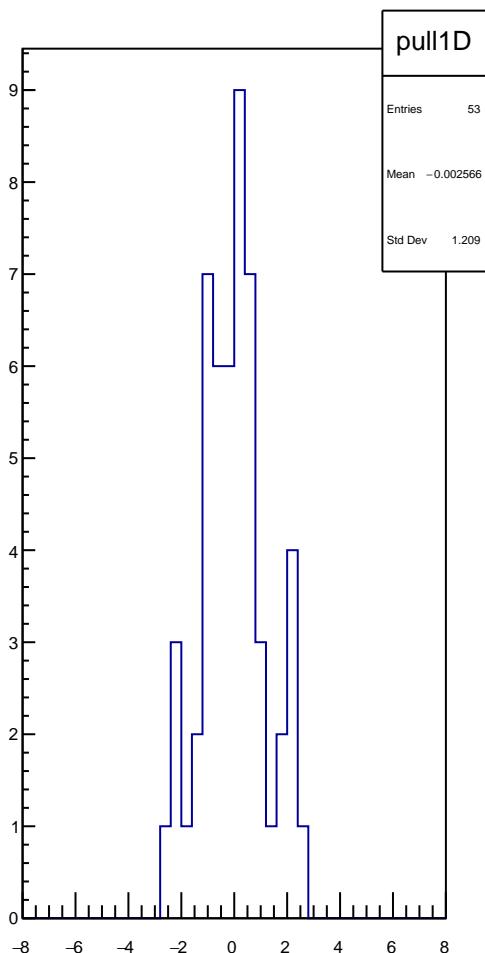
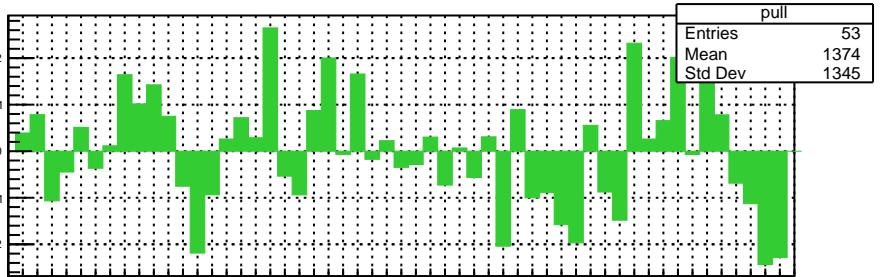
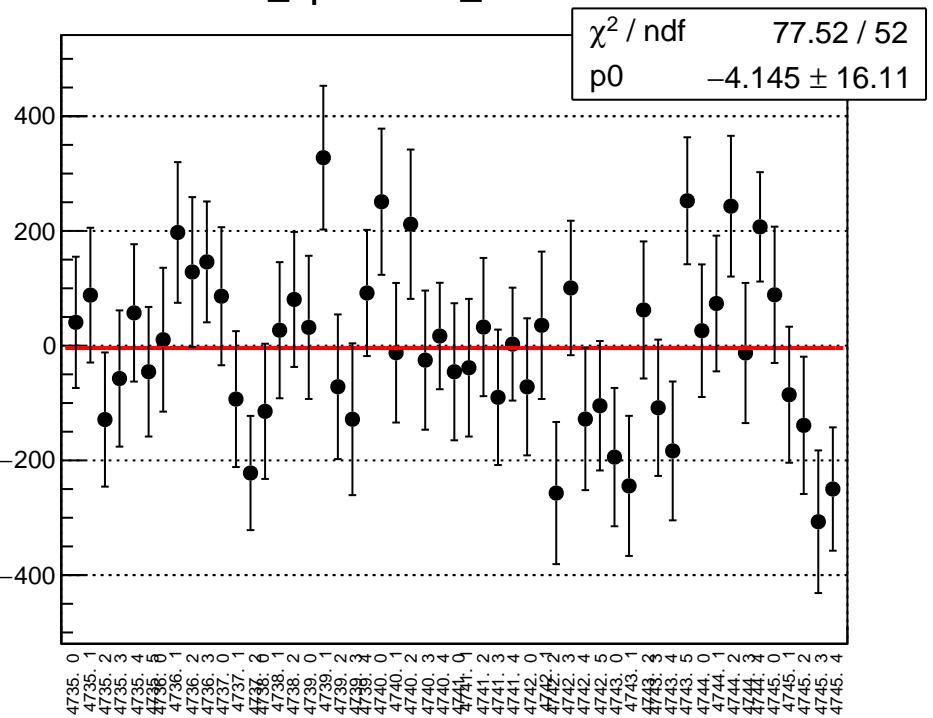
# diff\_bpm0l08Y\_mean vs run



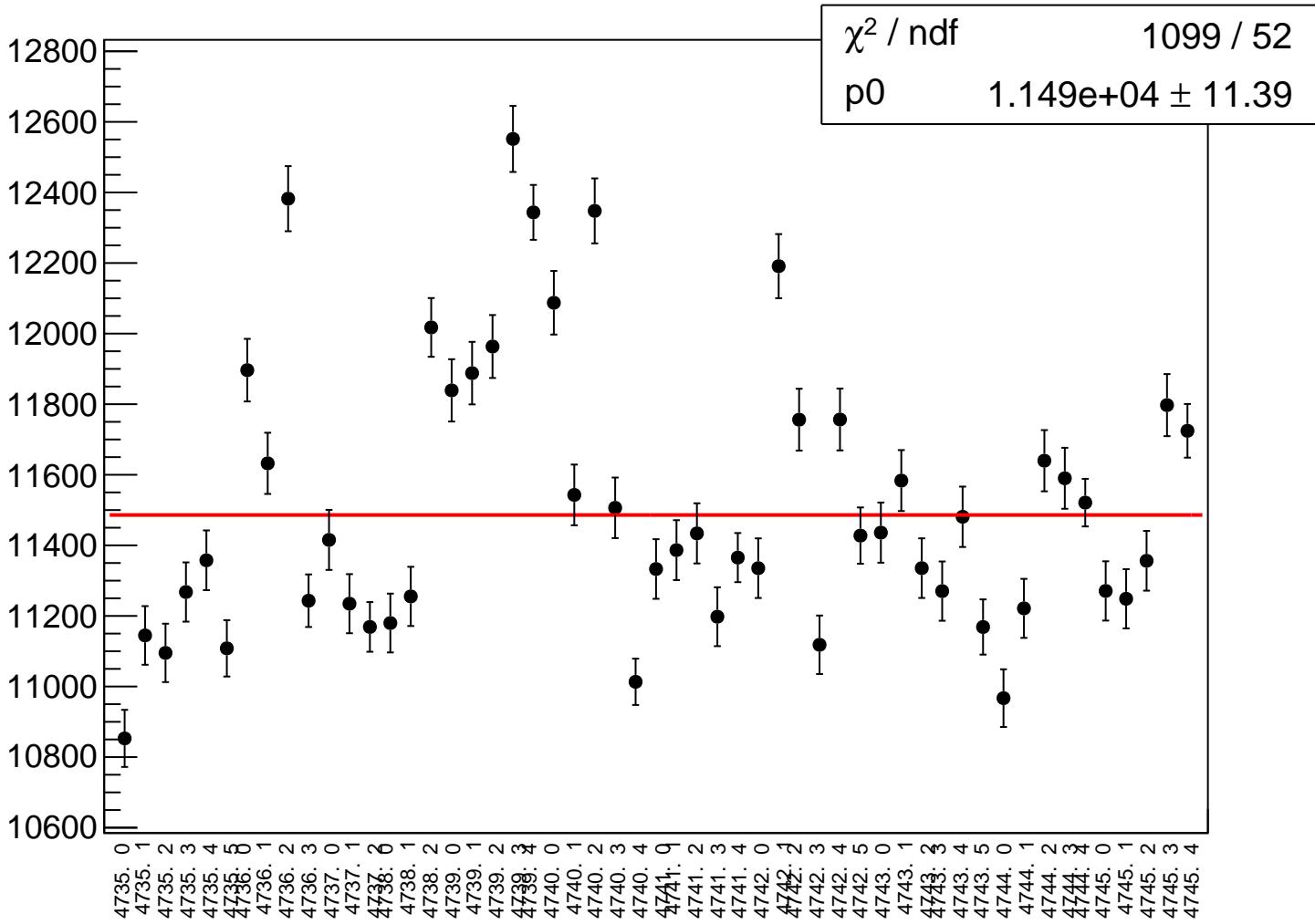
# diff\_bpm0I08Y\_rms vs run



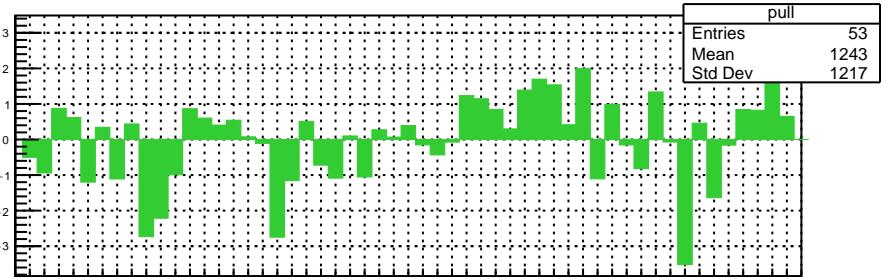
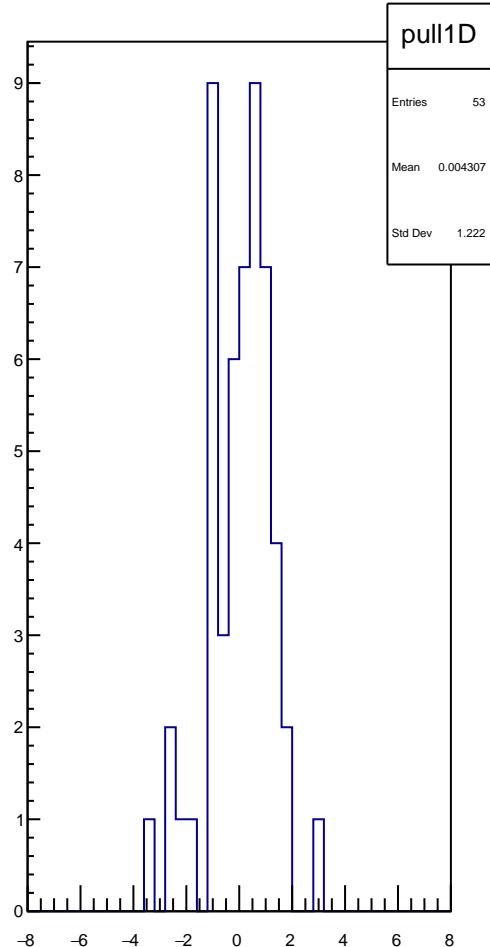
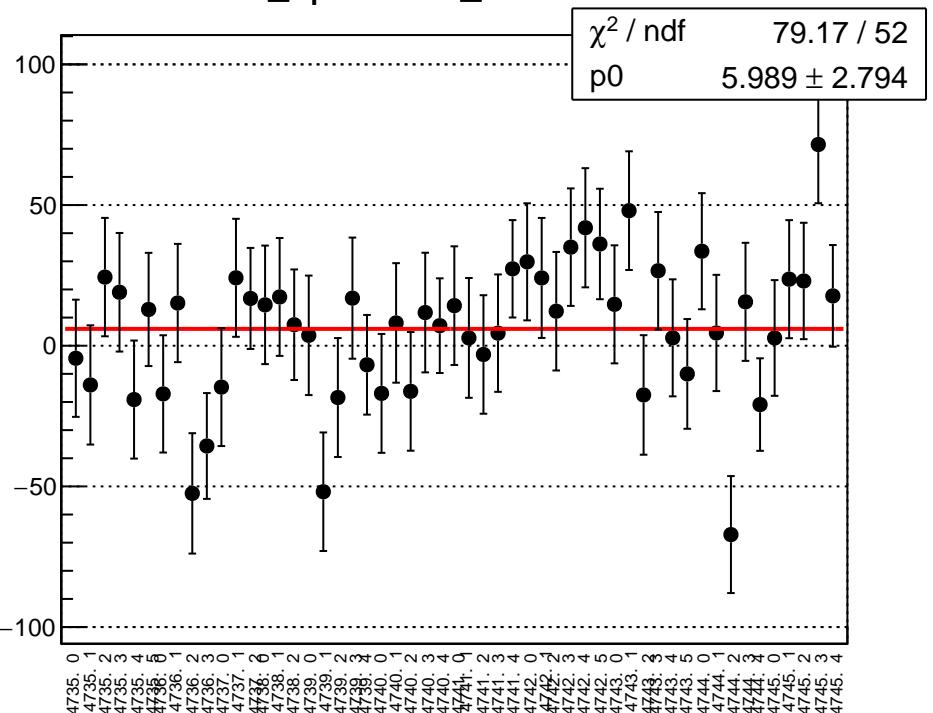
# diff\_bpm0l09X\_mean vs run



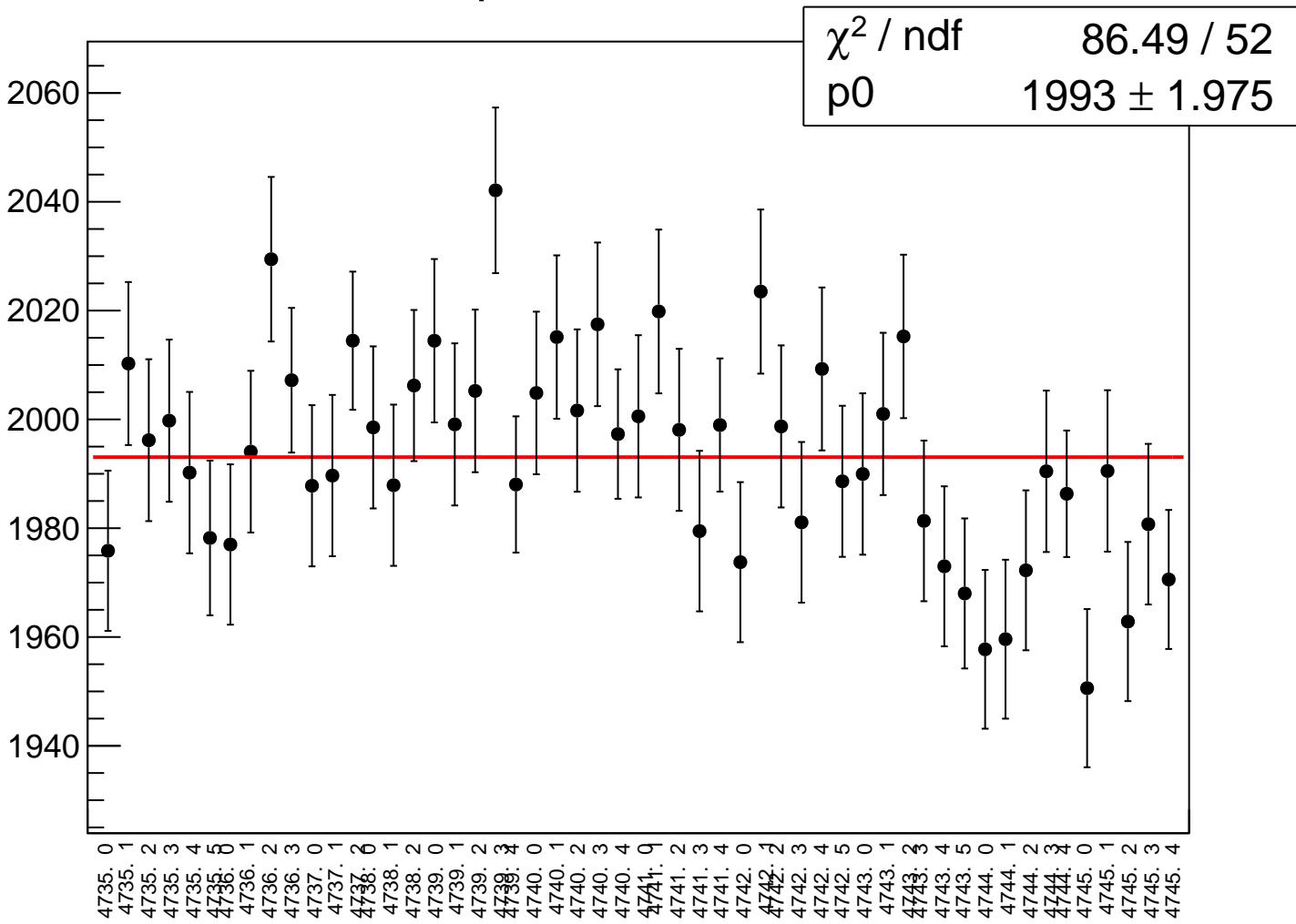
# diff\_bpmon09X\_rms vs run



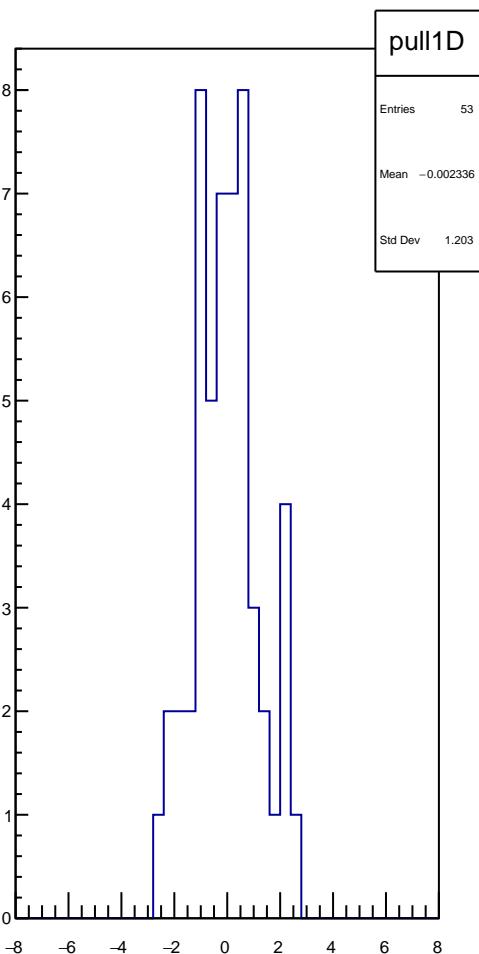
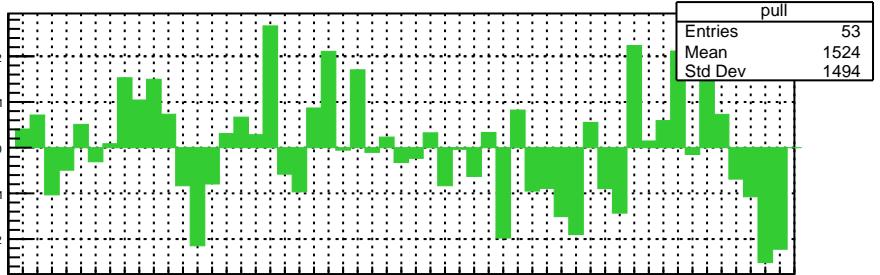
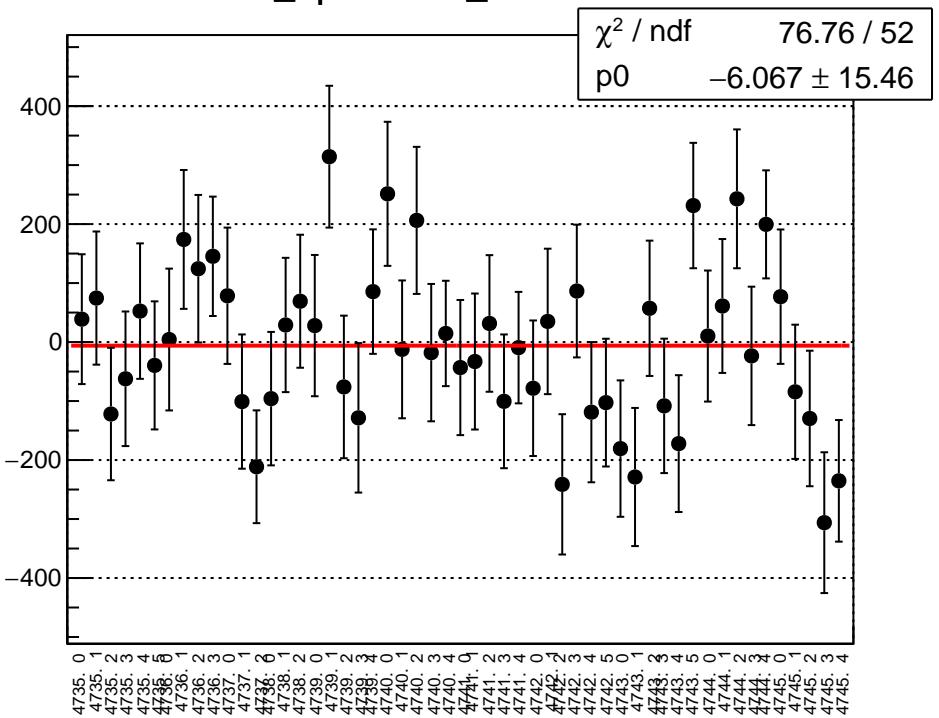
# diff\_bpm0l09Y\_mean vs run



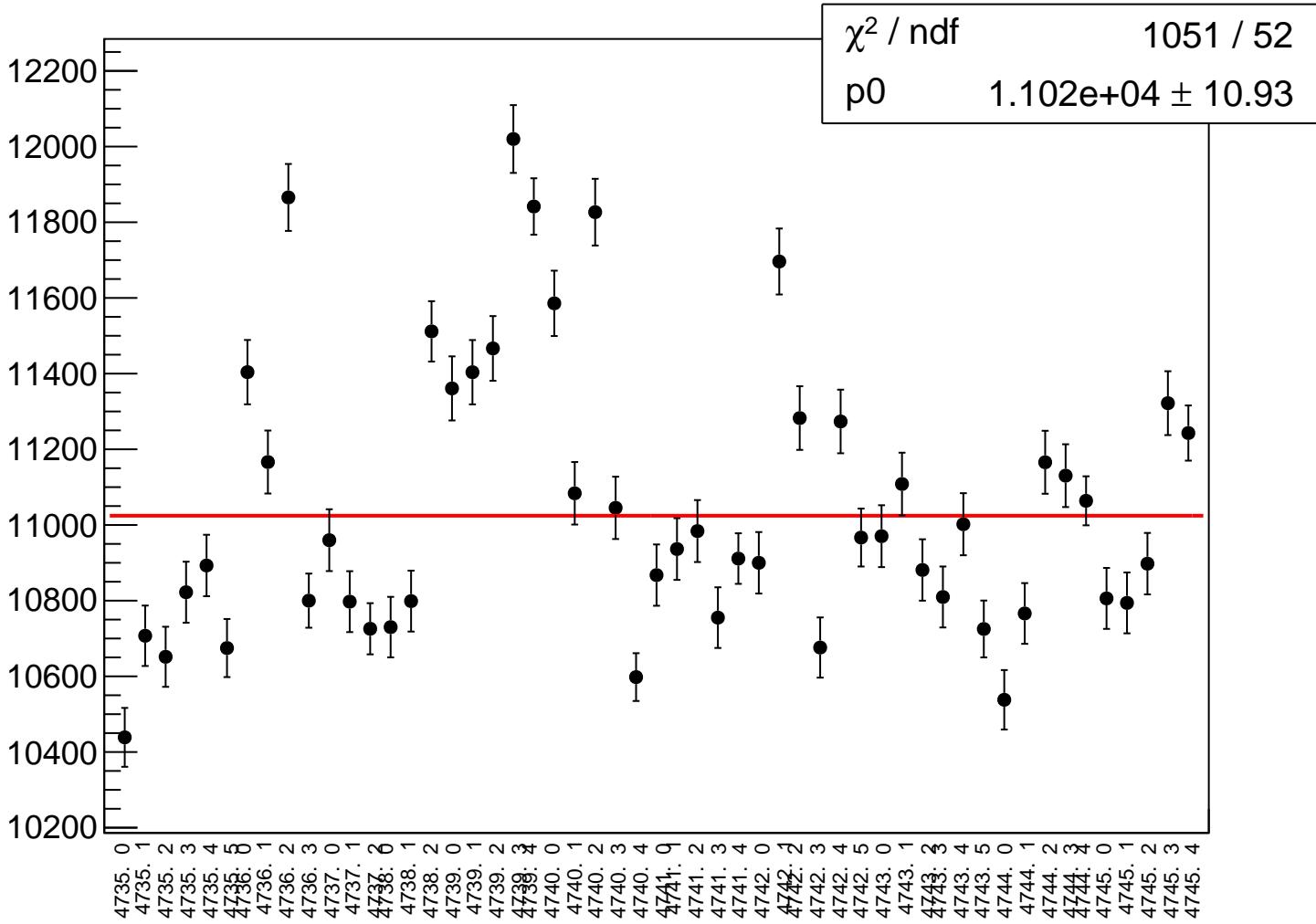
# diff\_bpm0I09Y\_rms vs run



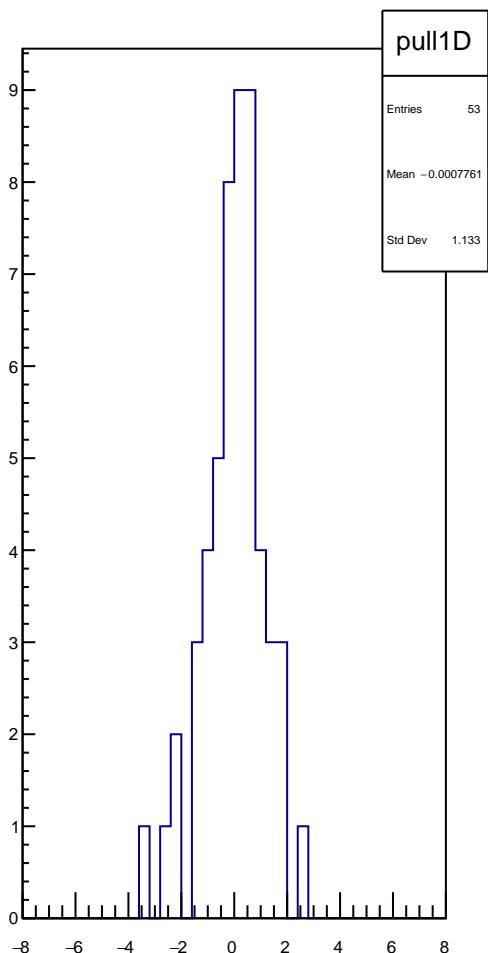
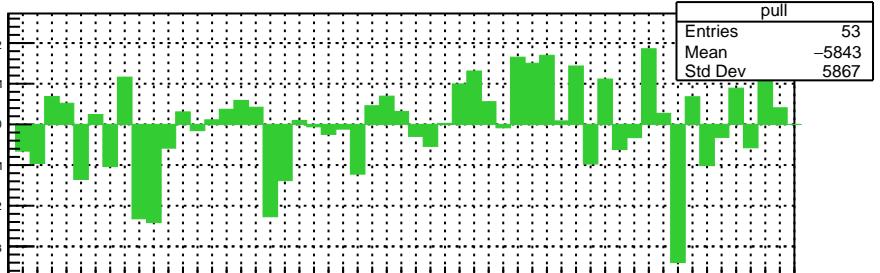
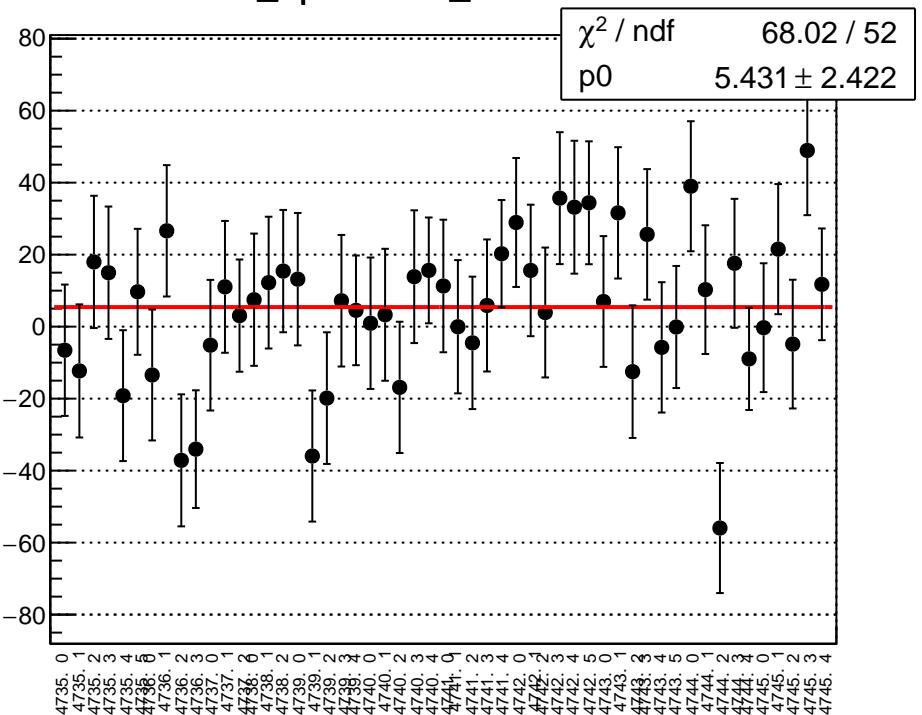
# diff\_bpm0l10X\_mean vs run



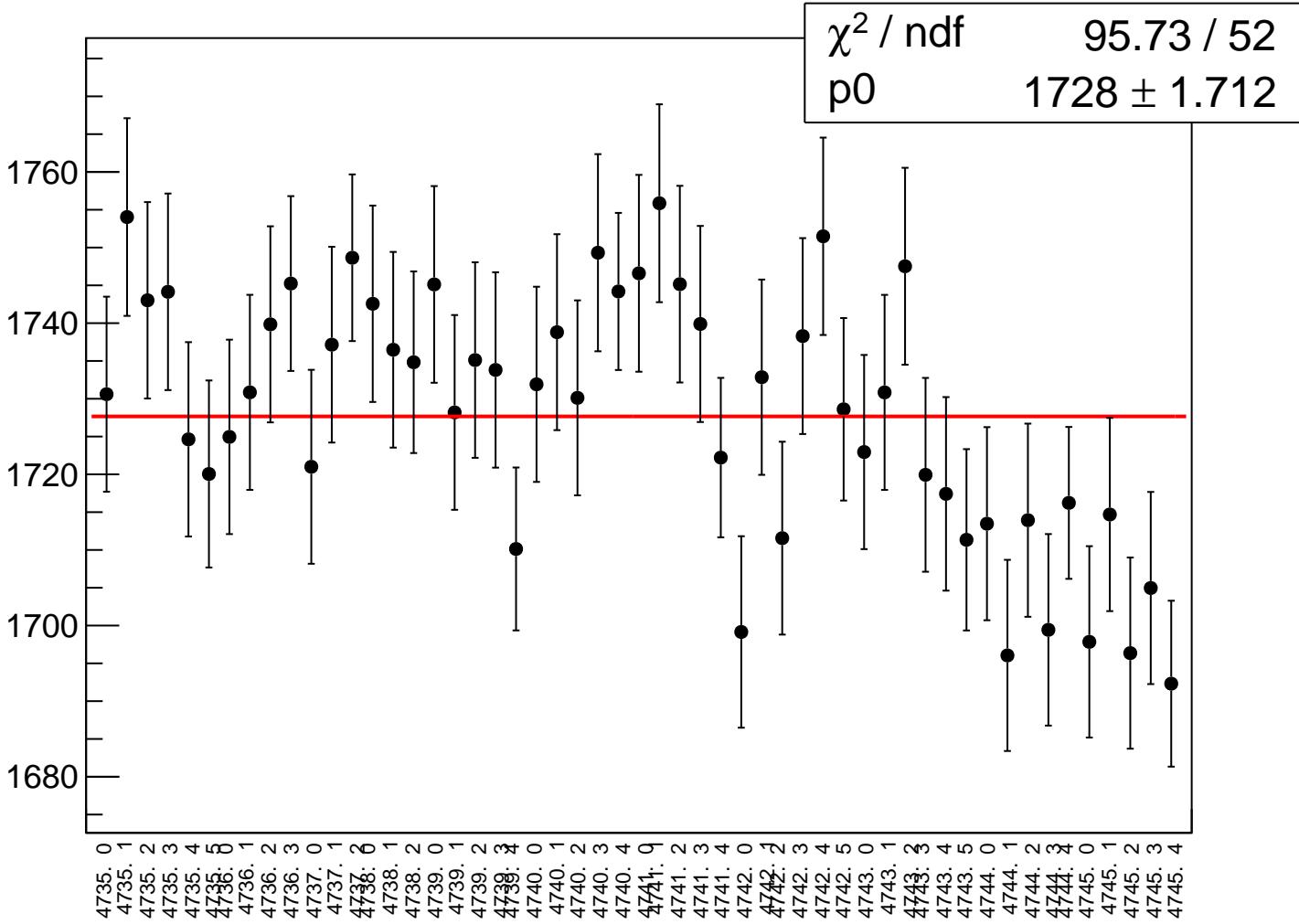
# diff\_bpm0I10X\_rms vs run



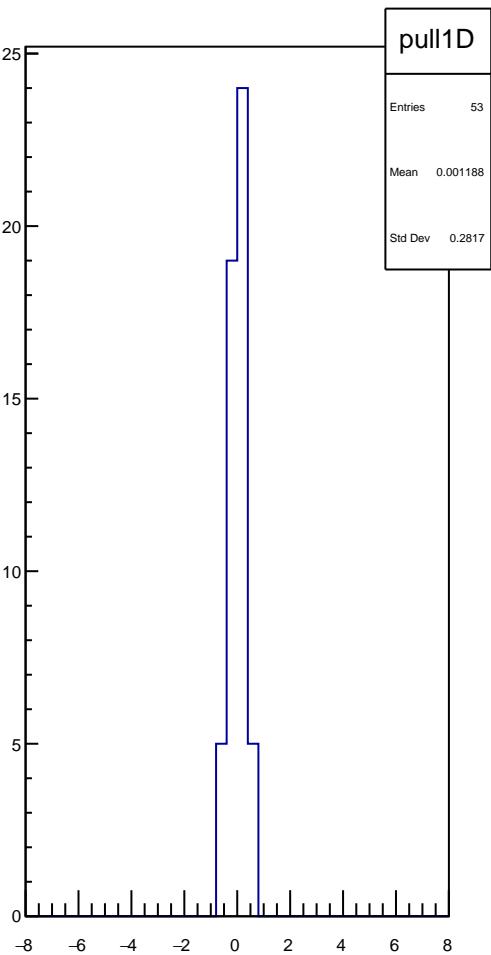
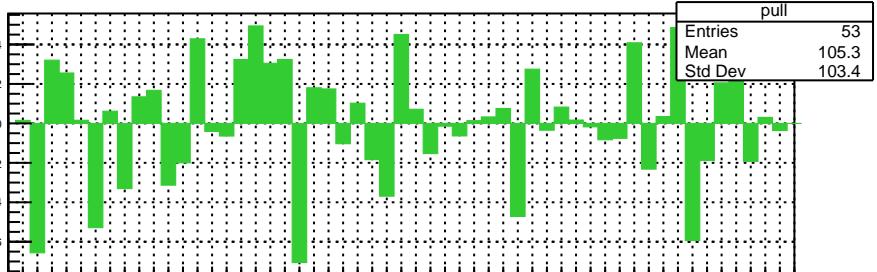
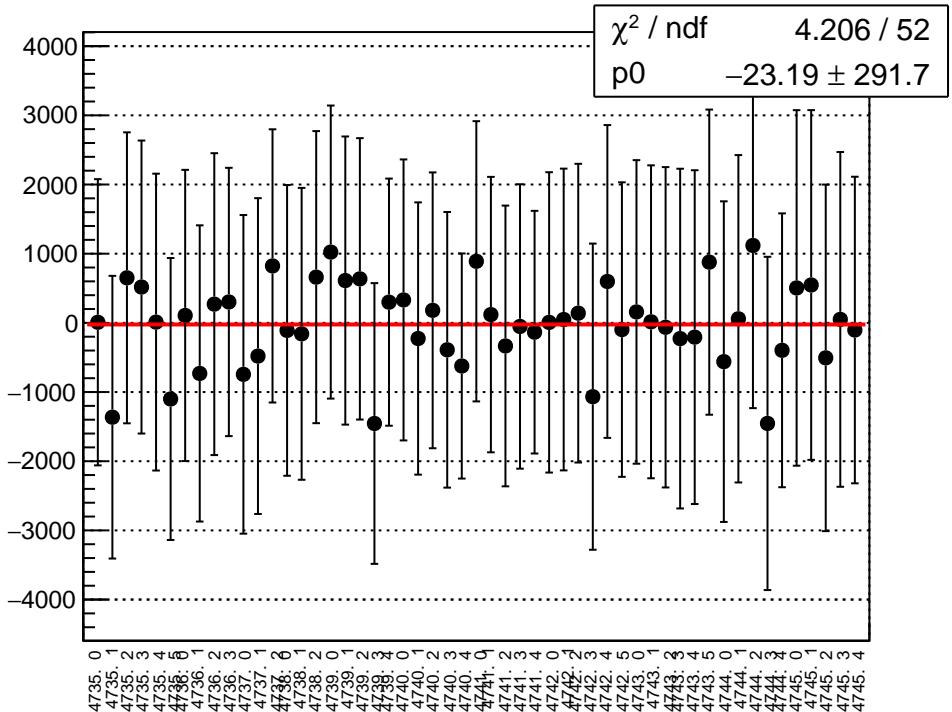
# diff\_bpm0I10Y\_mean vs run



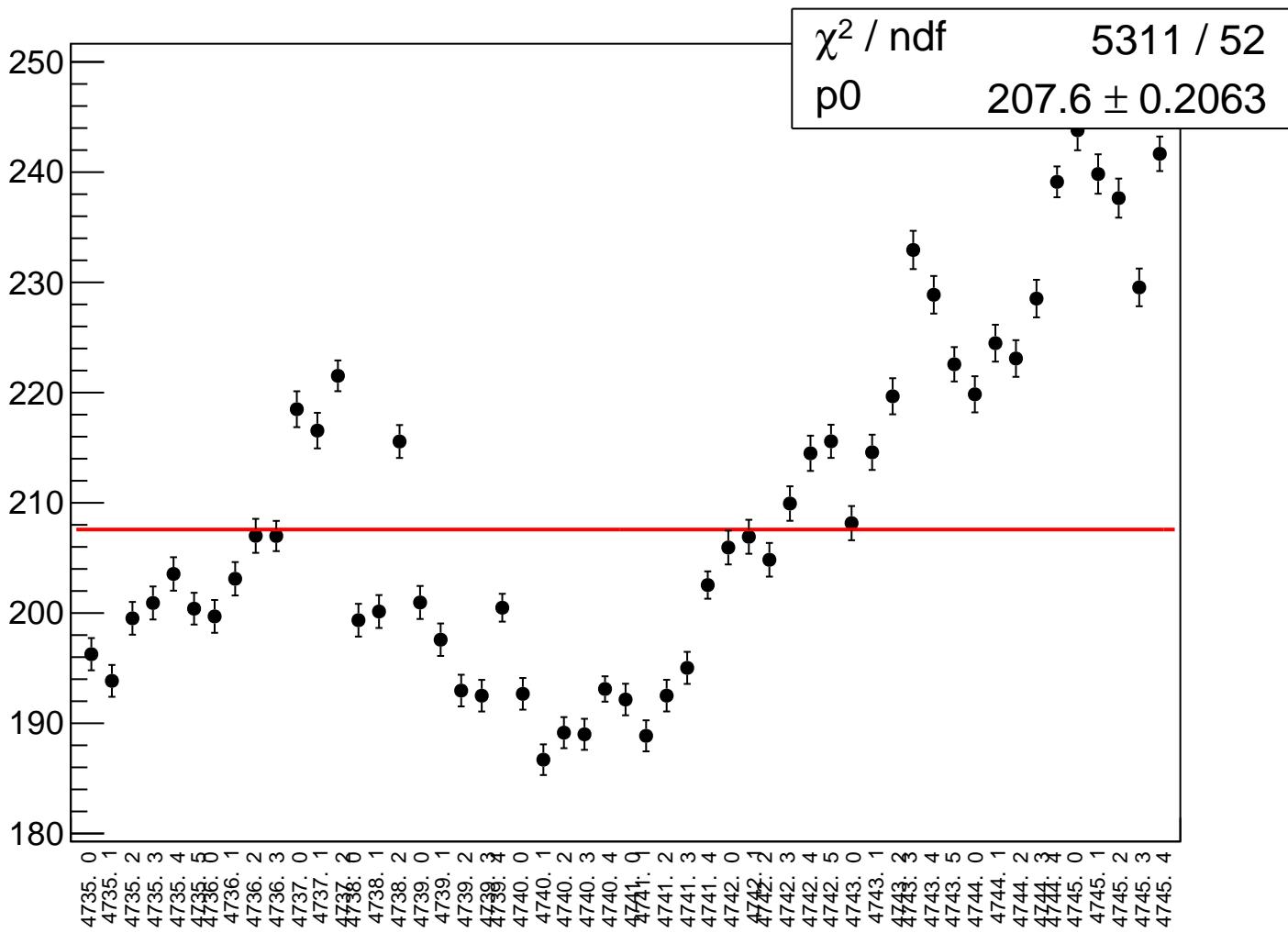
# diff\_bpm0I10Y\_rms vs run



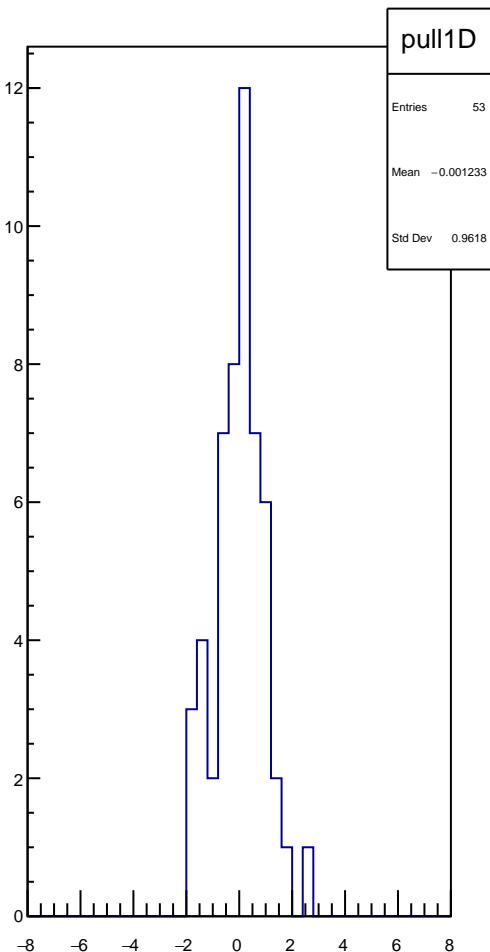
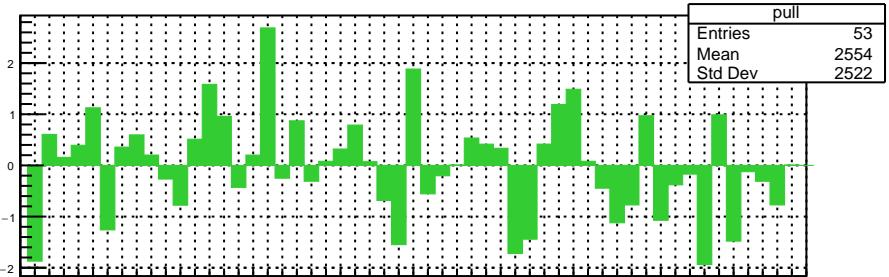
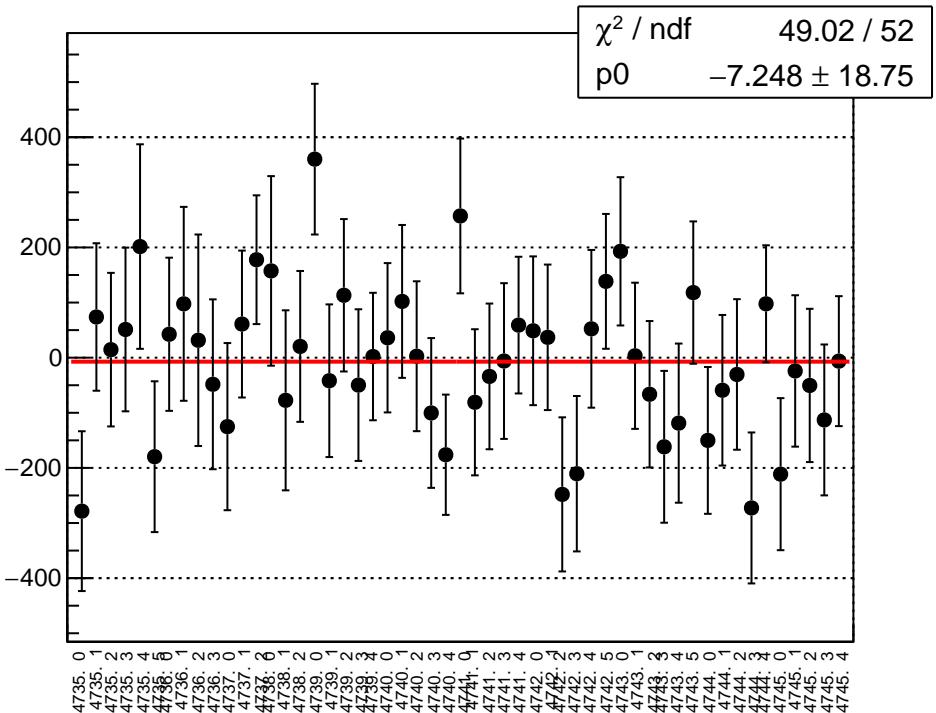
### asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



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



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



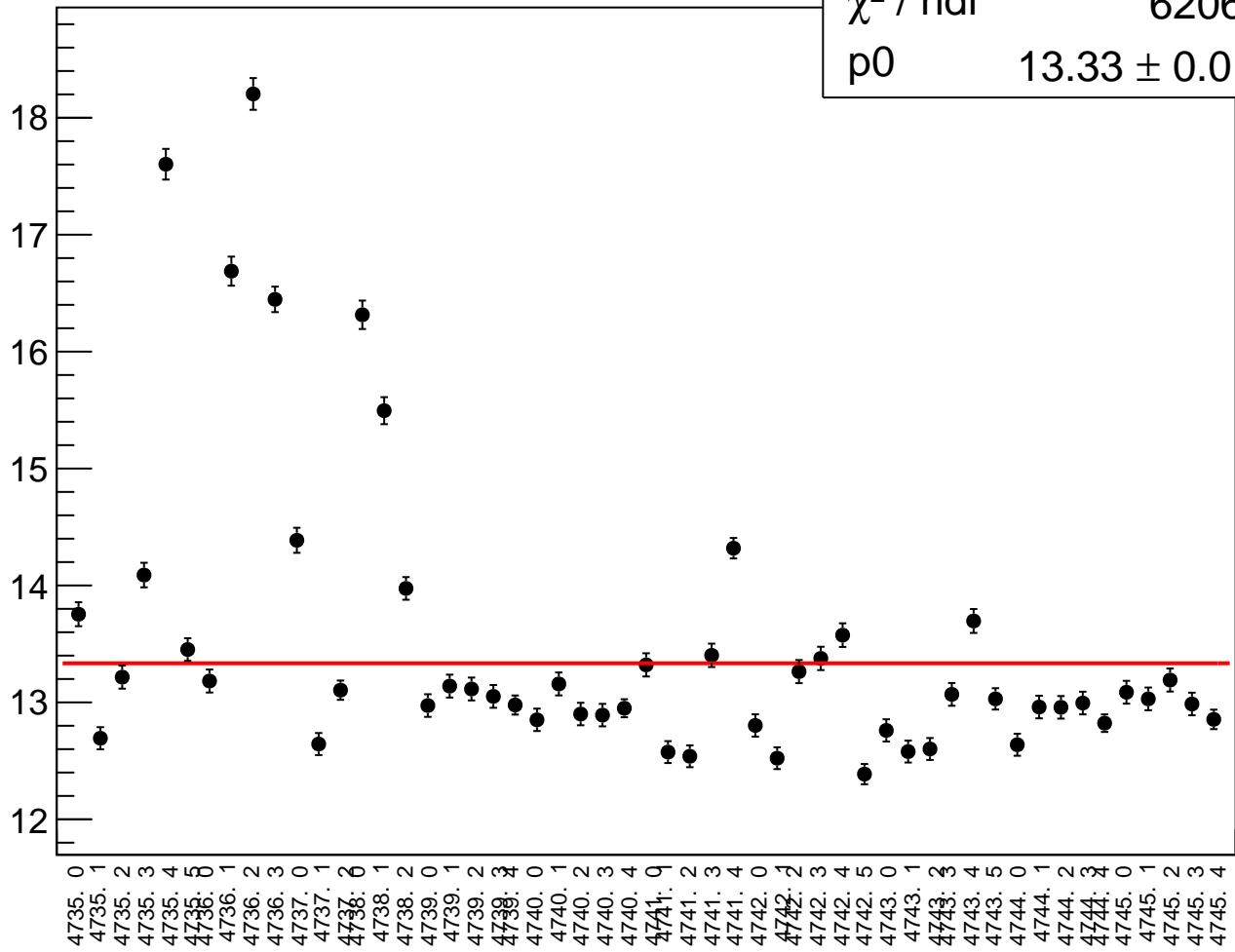
# asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs run

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

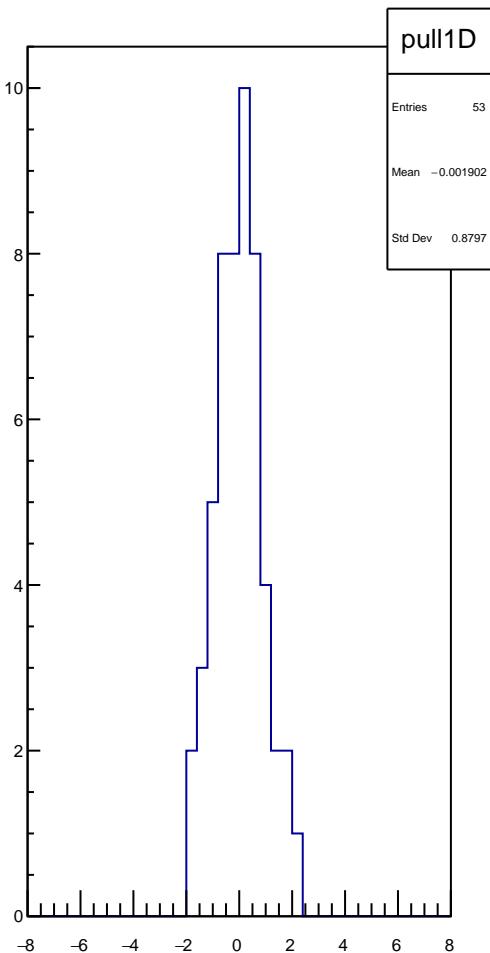
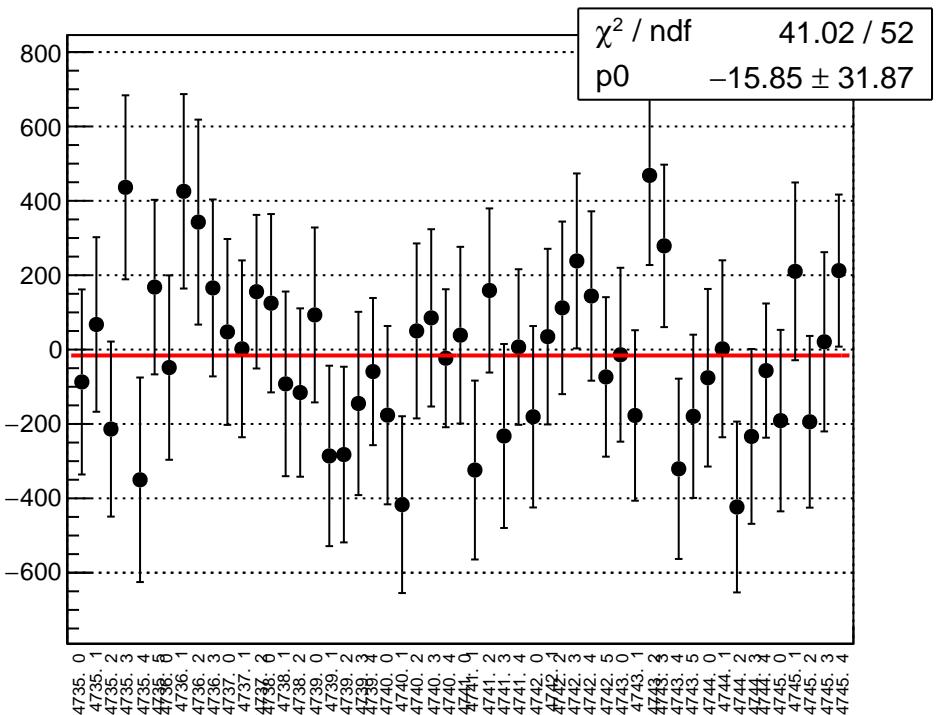
6206 / 52

p0

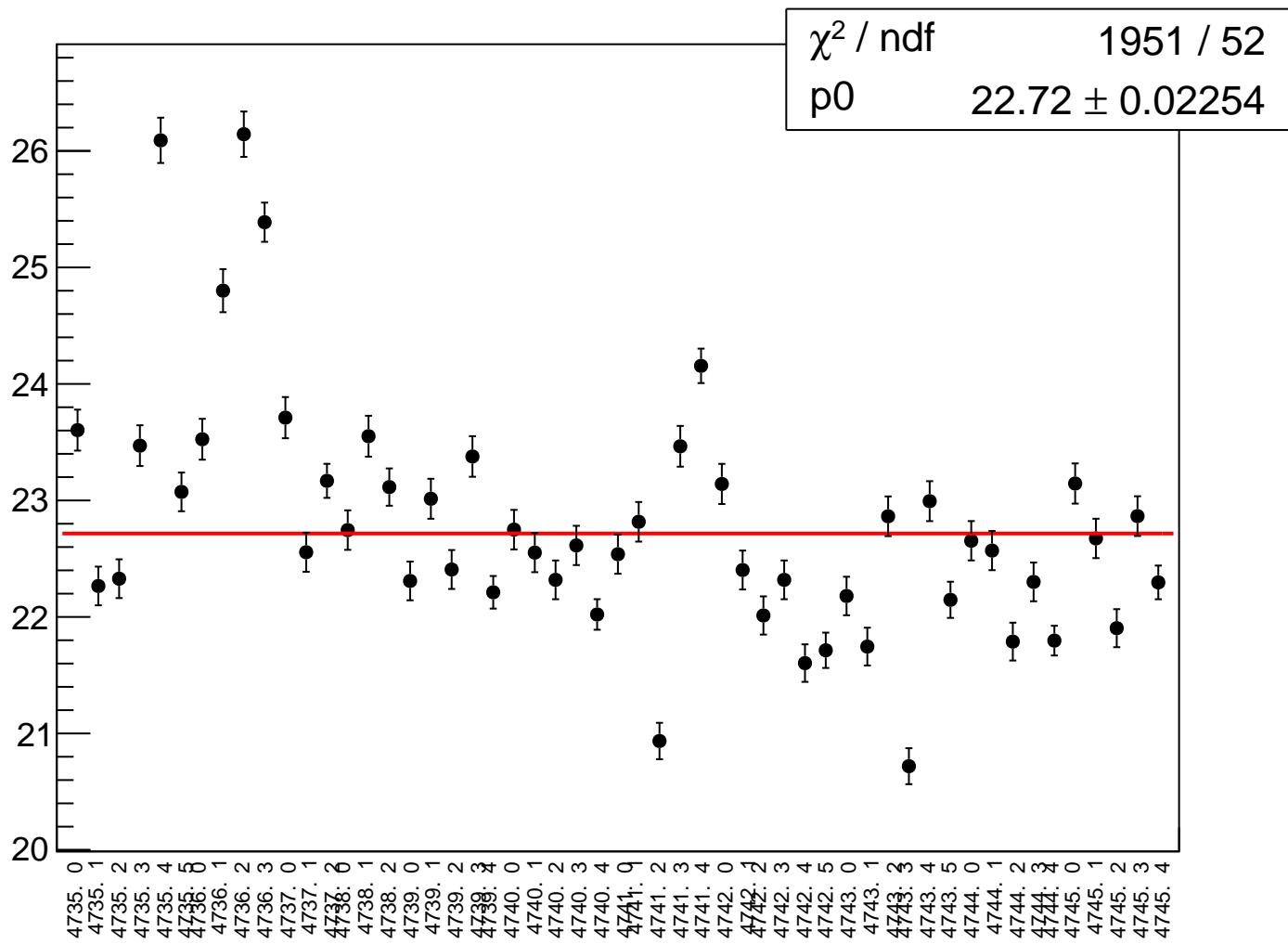
$13.33 \pm 0.01326$



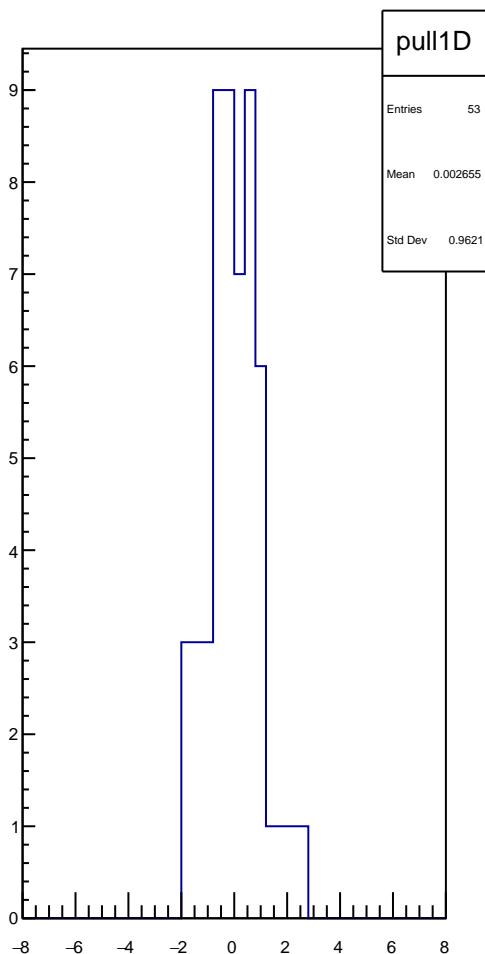
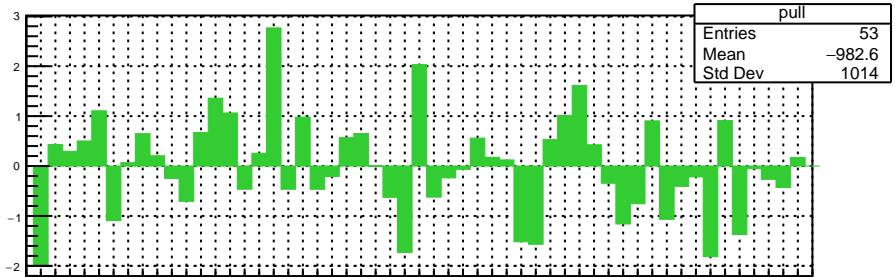
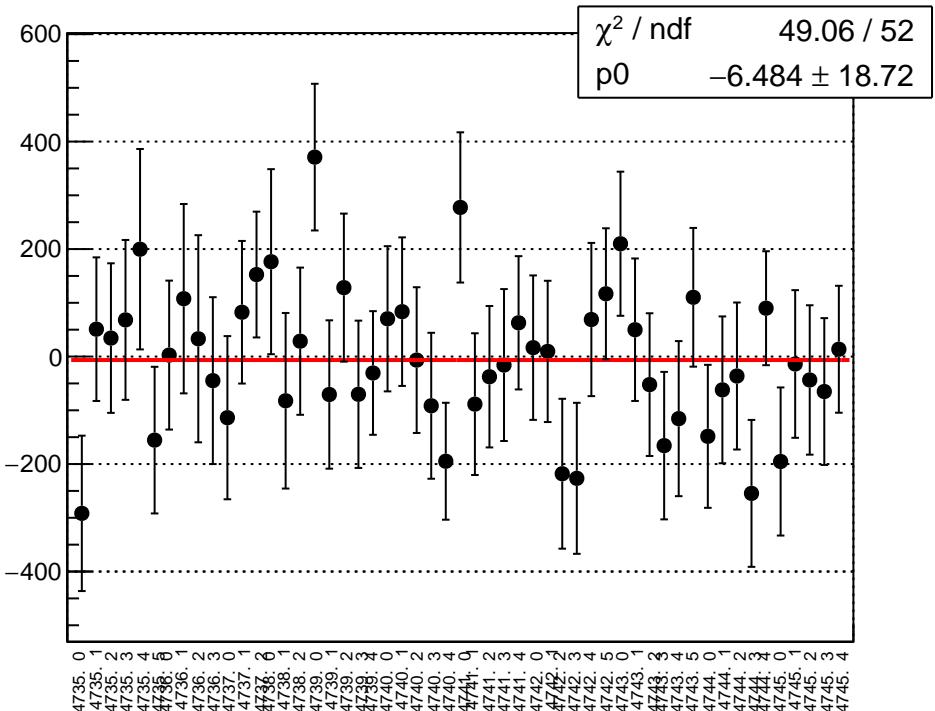
asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs run



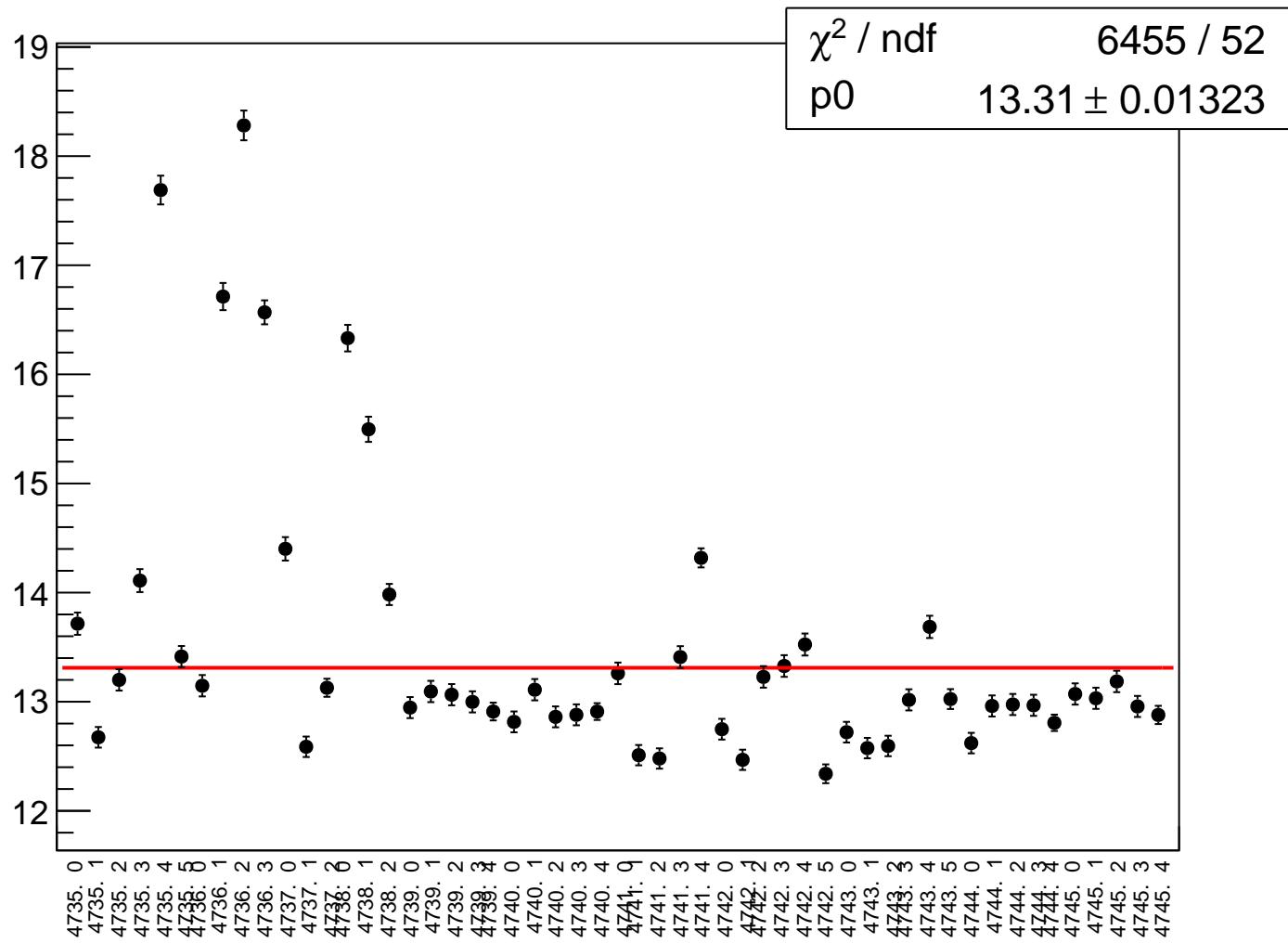
# asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run



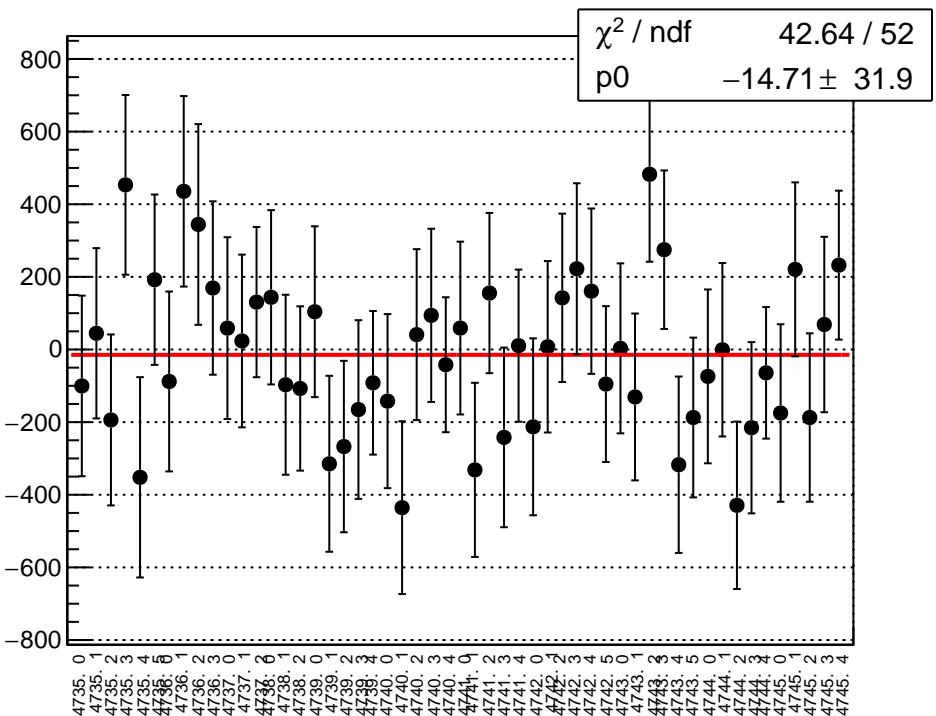
asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs run



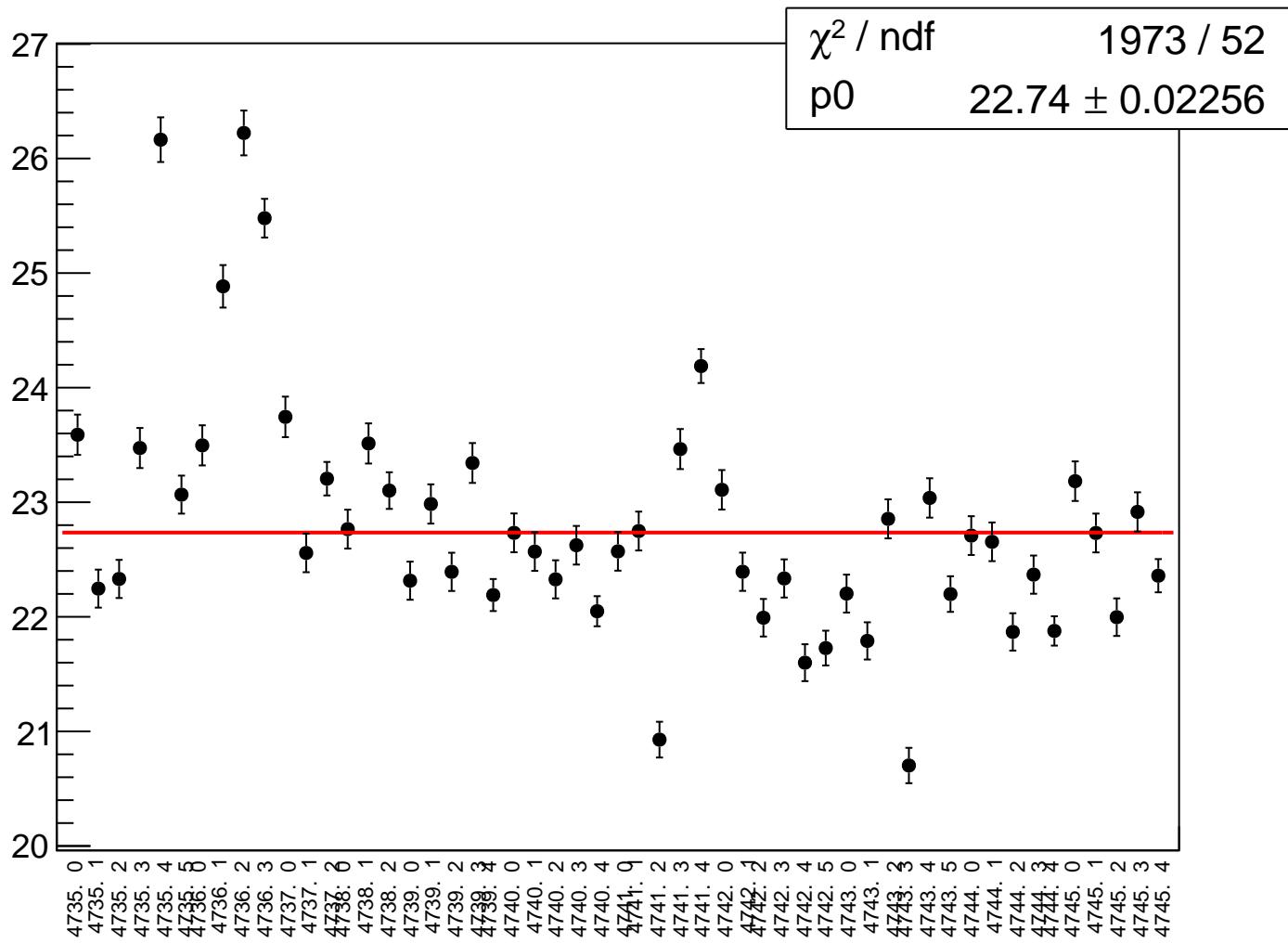
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs run



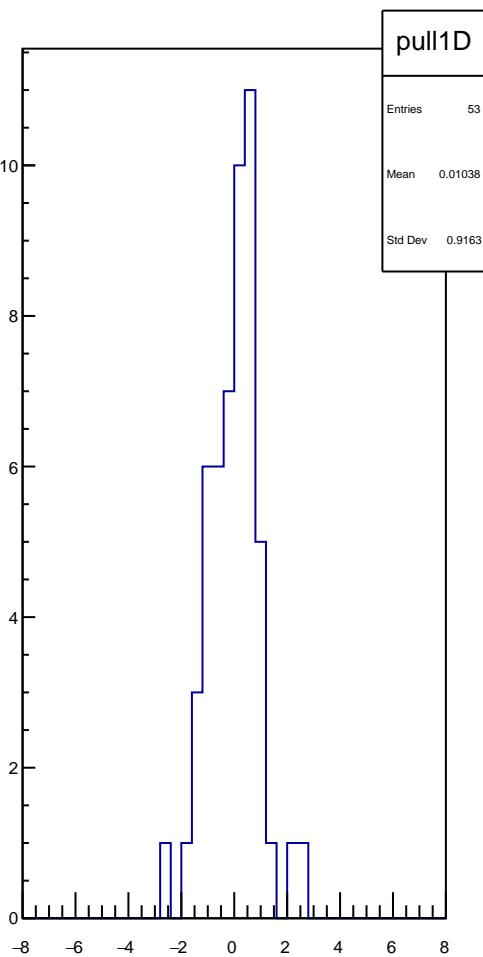
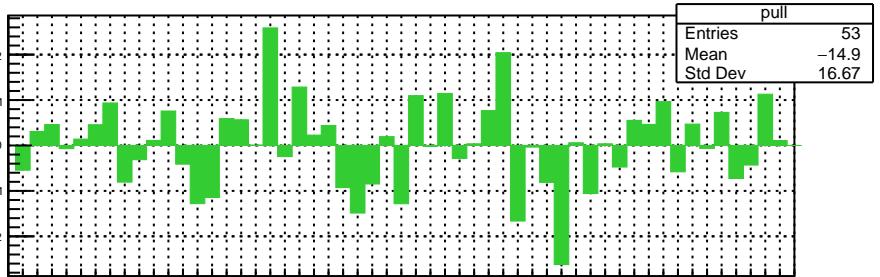
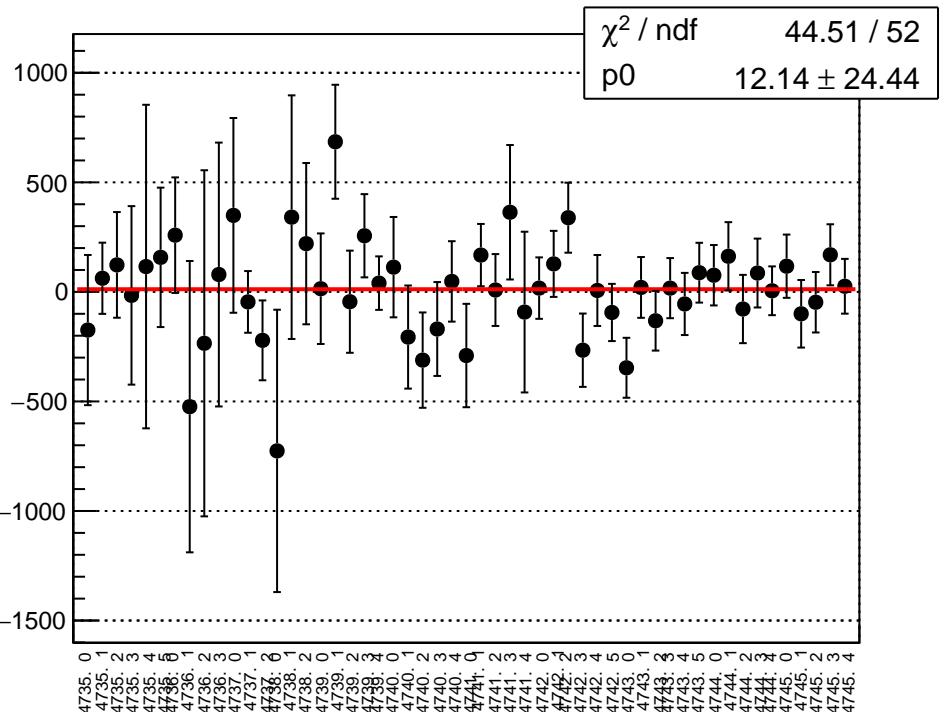
asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs run



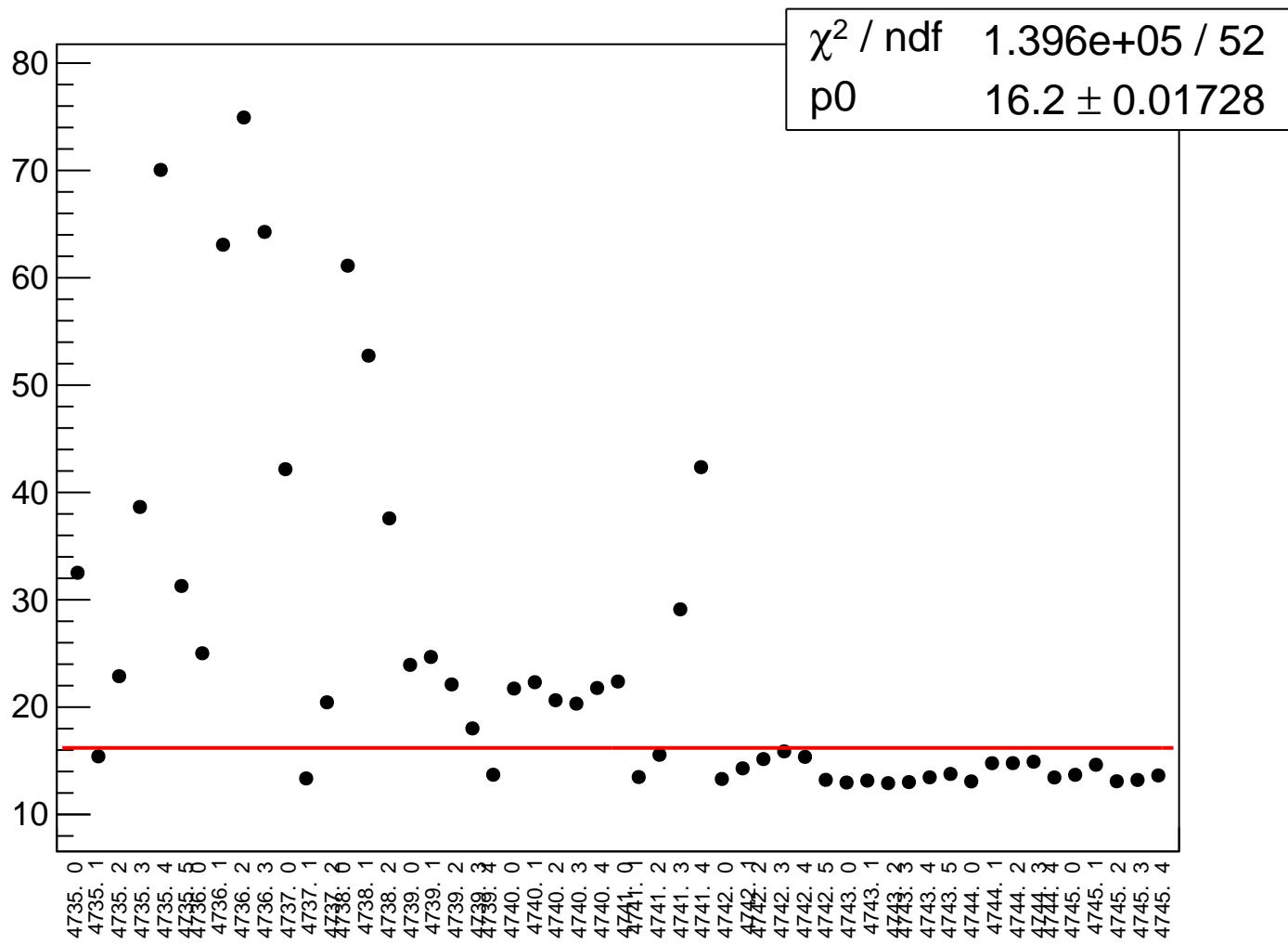
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run



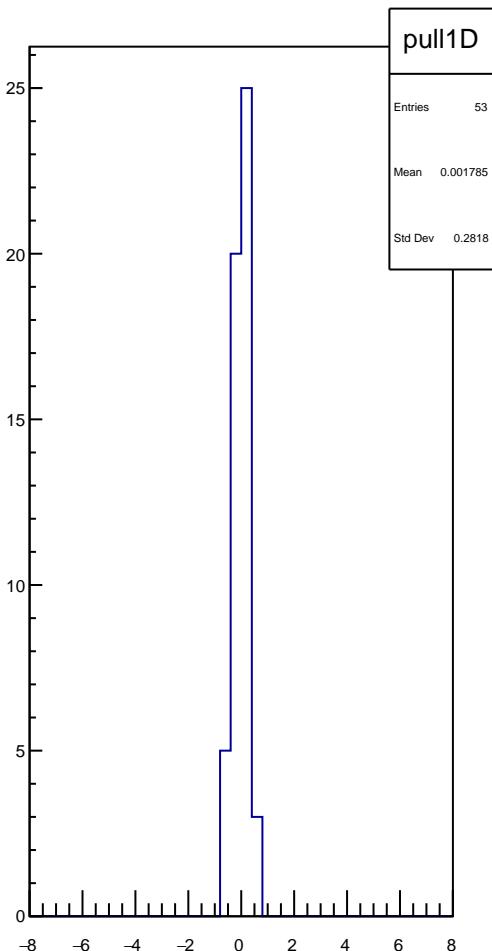
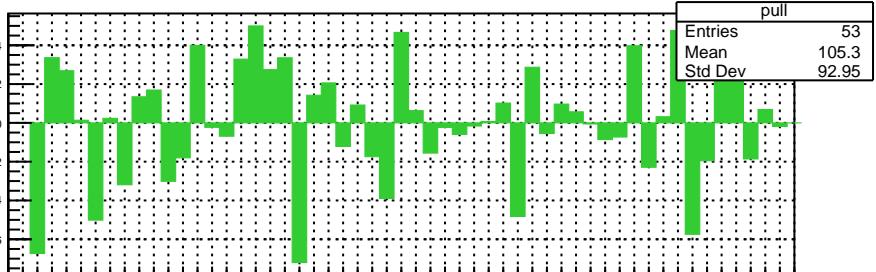
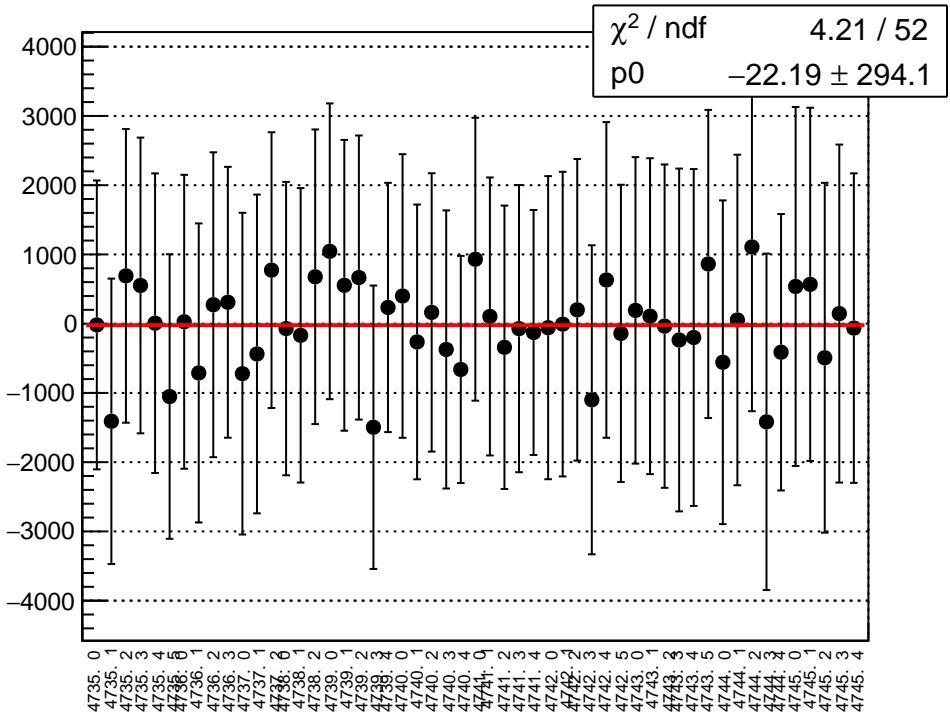
asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



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



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



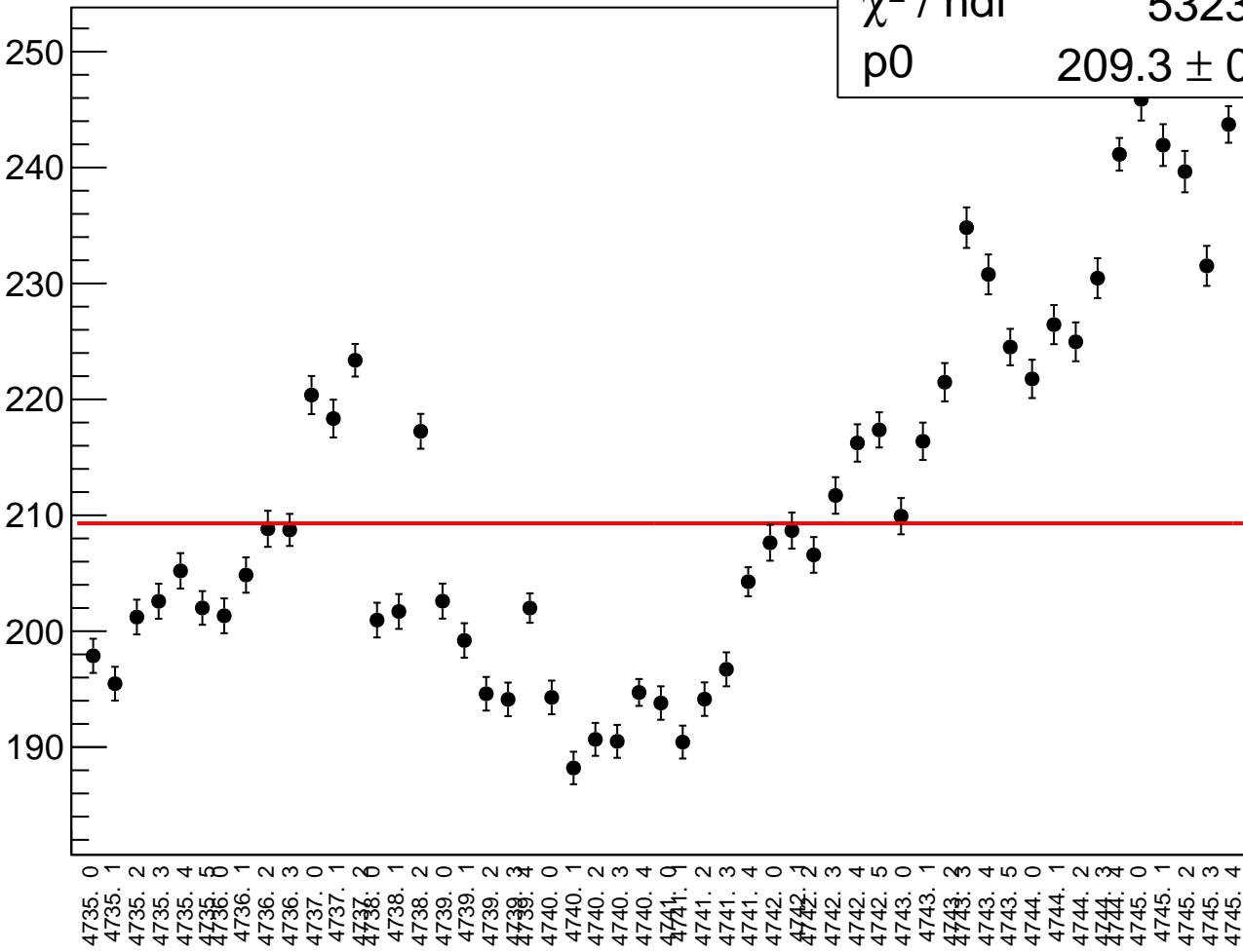
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_rms vs run

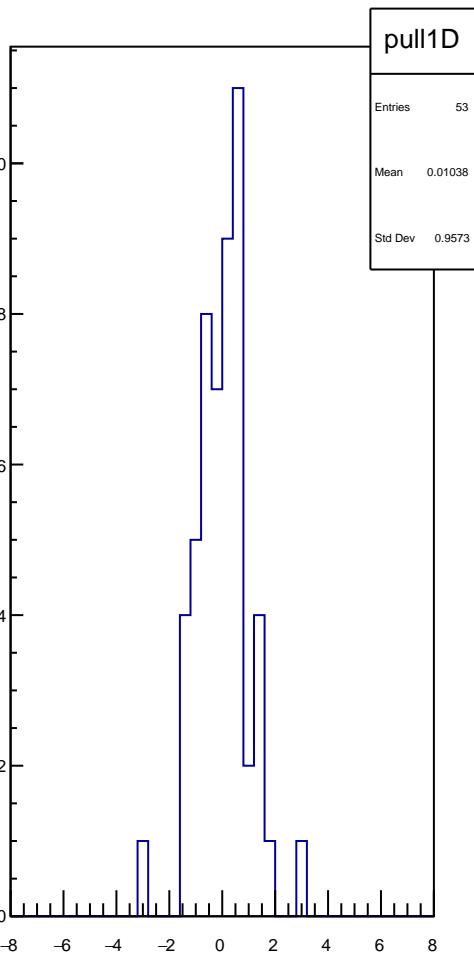
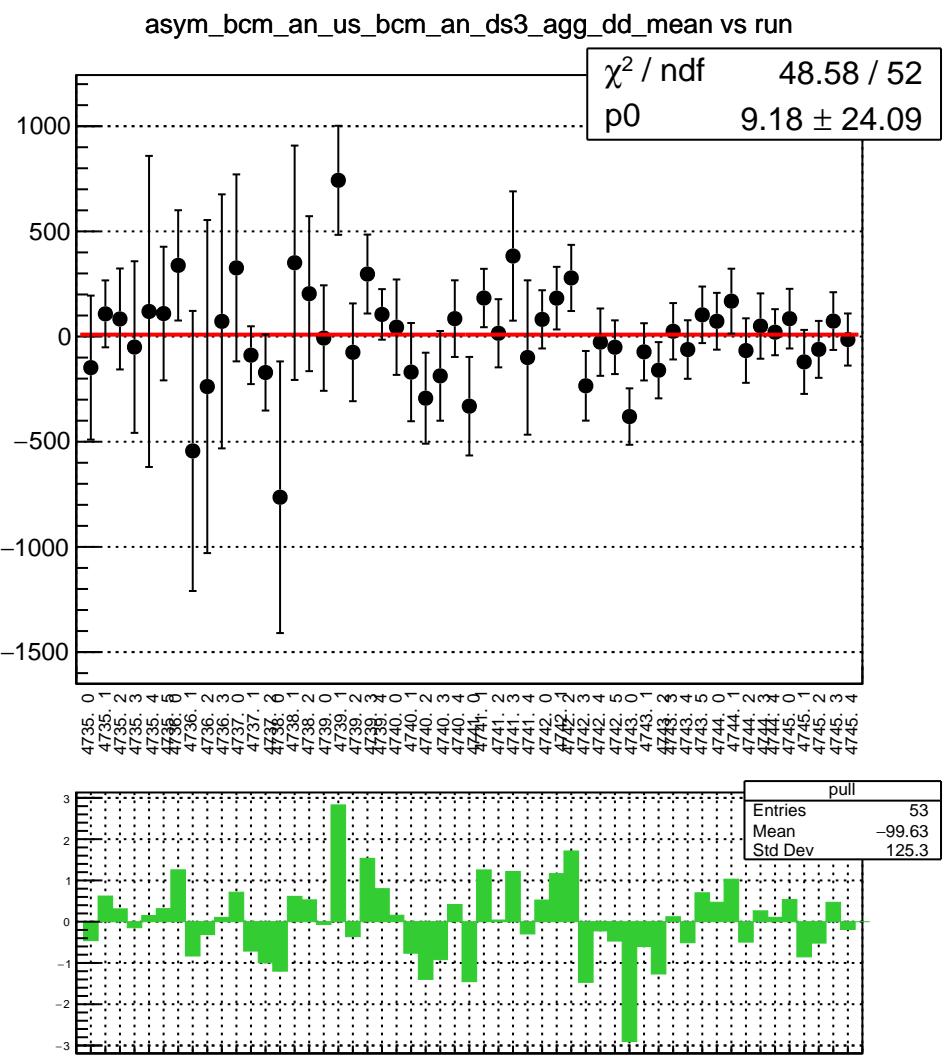
$\chi^2 / \text{ndf}$

5323 / 52

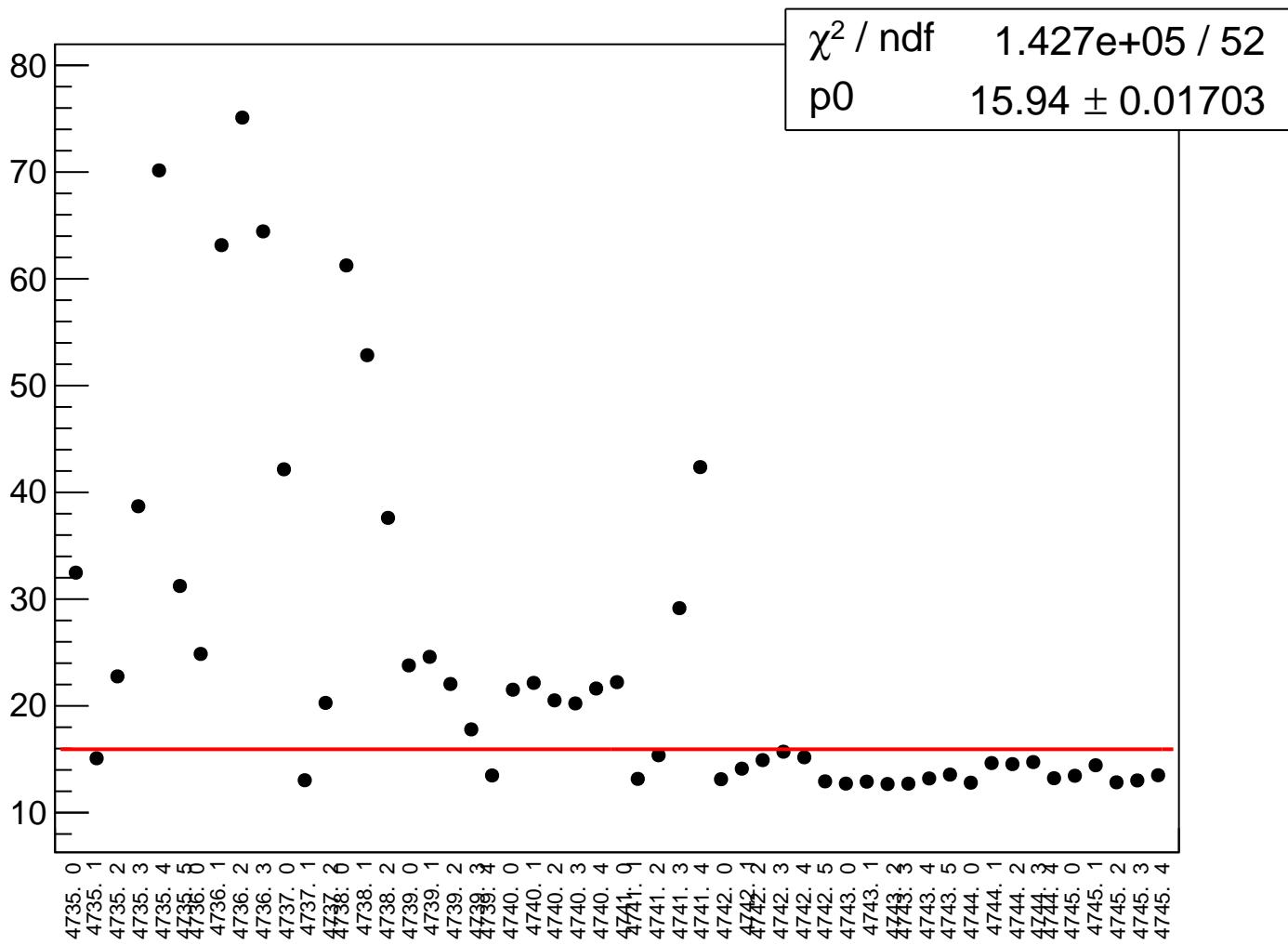
p0

$209.3 \pm 0.208$

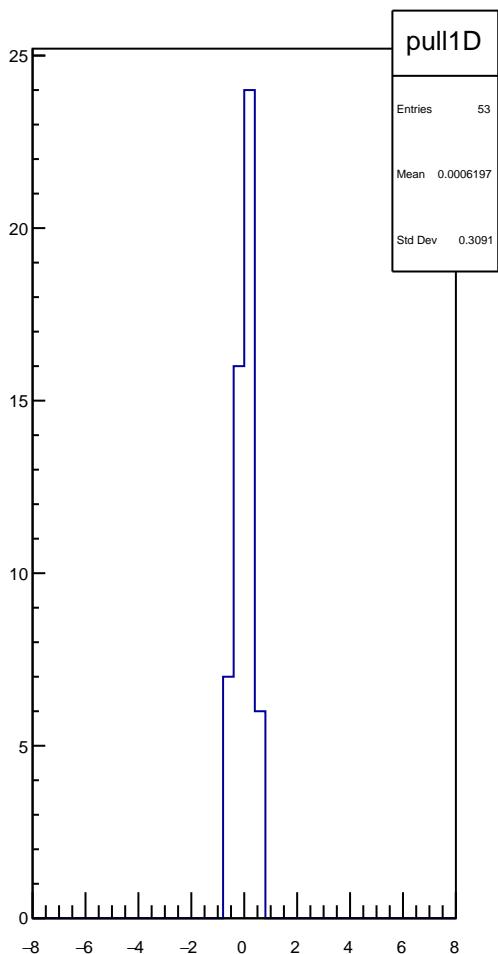
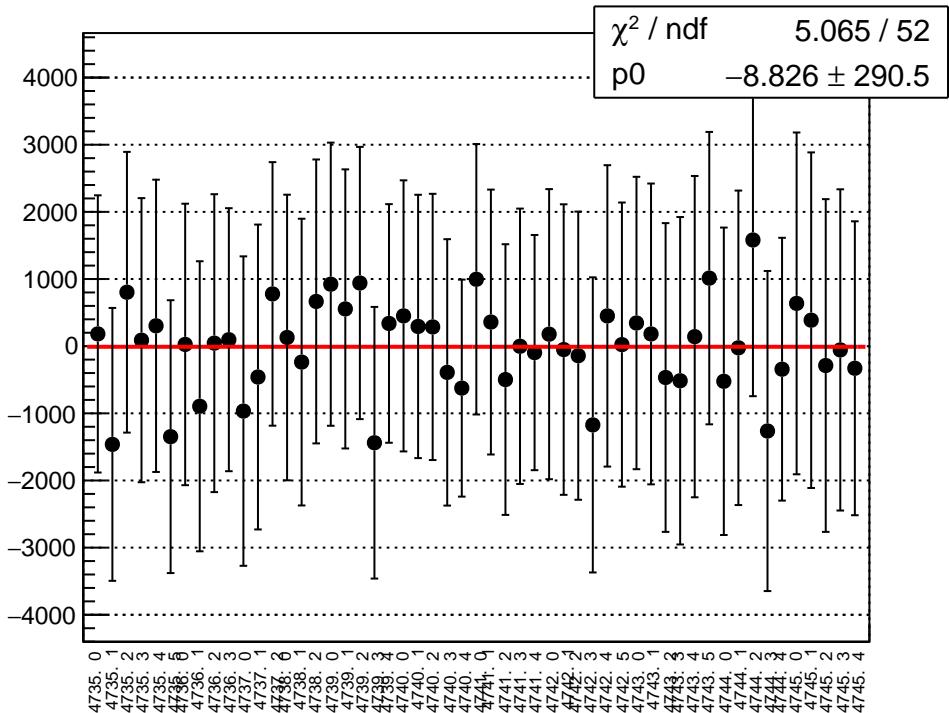




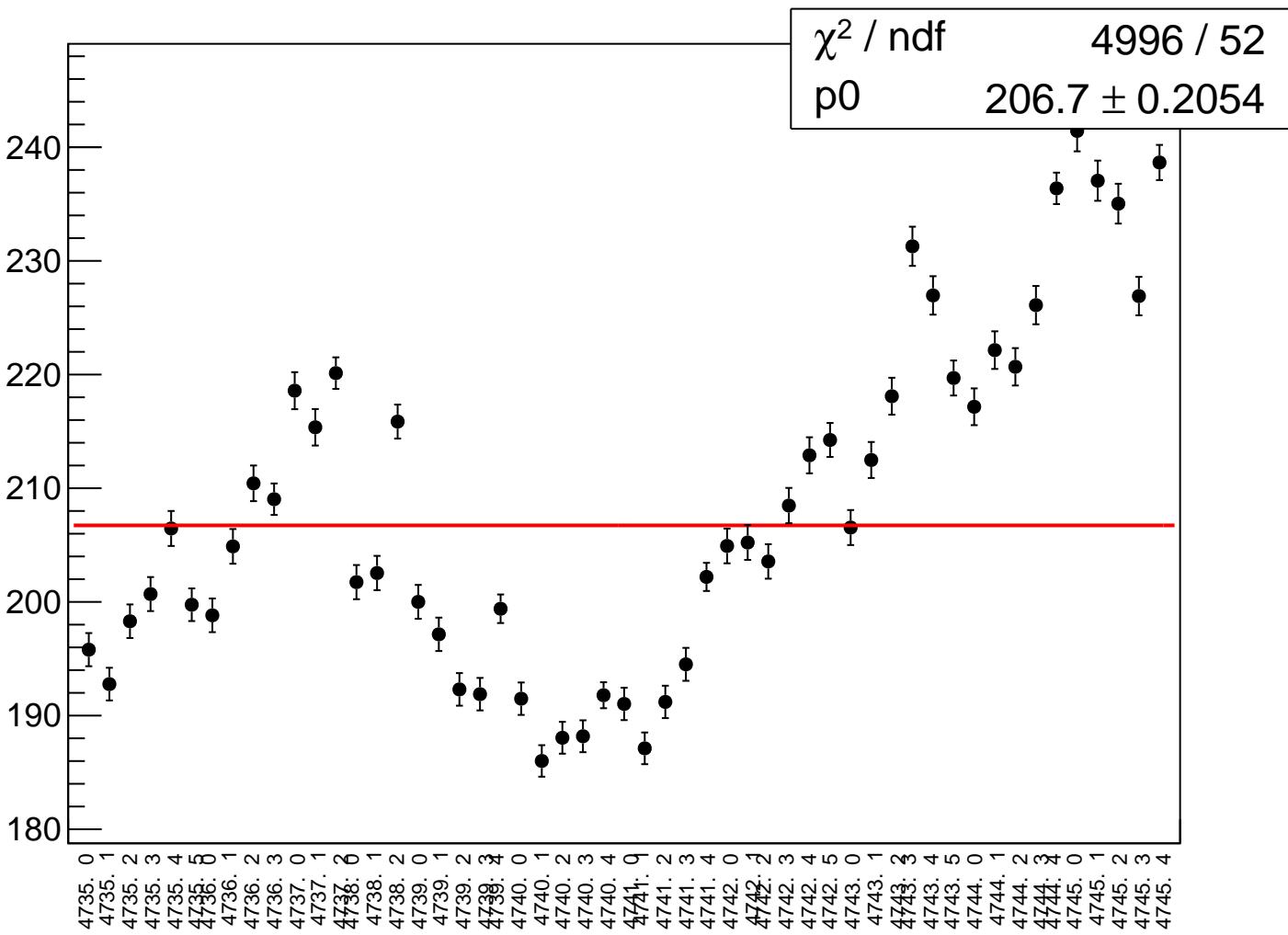
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_rms vs run



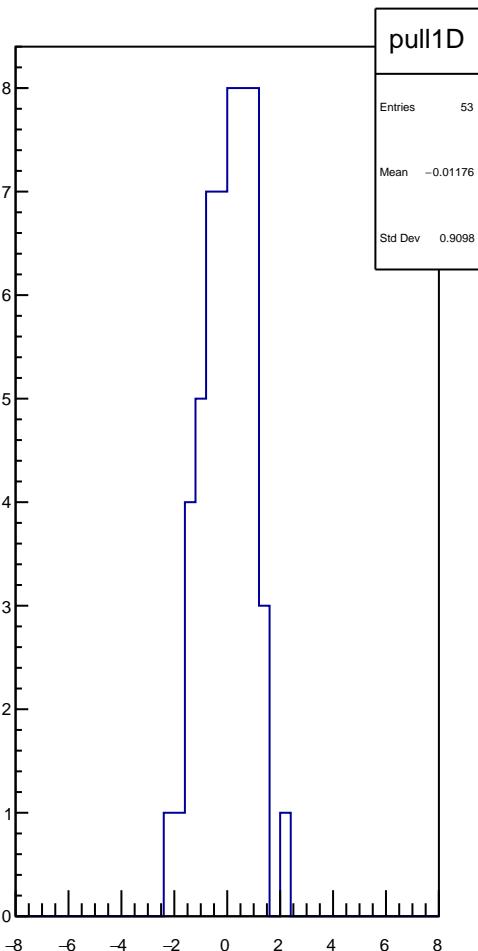
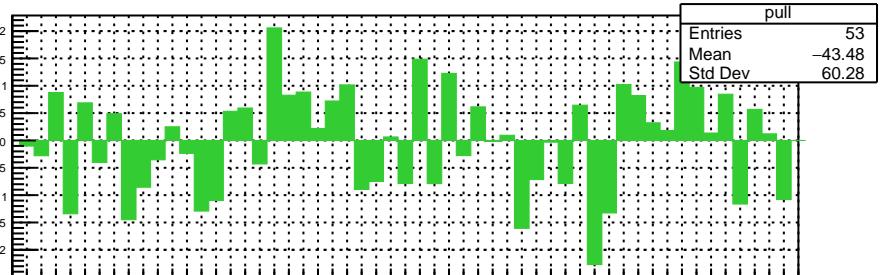
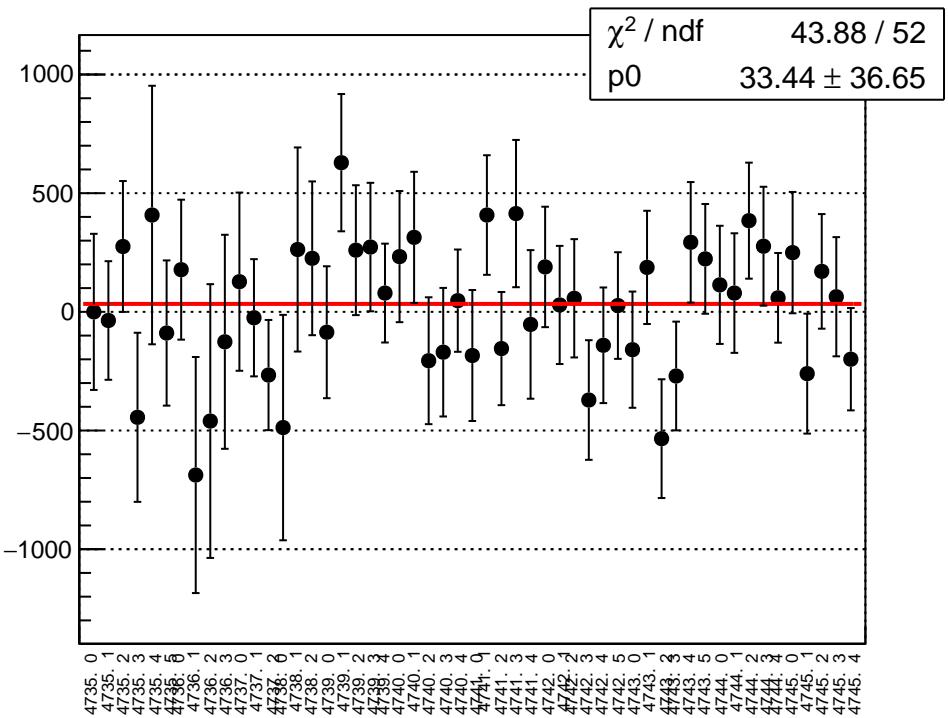
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



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

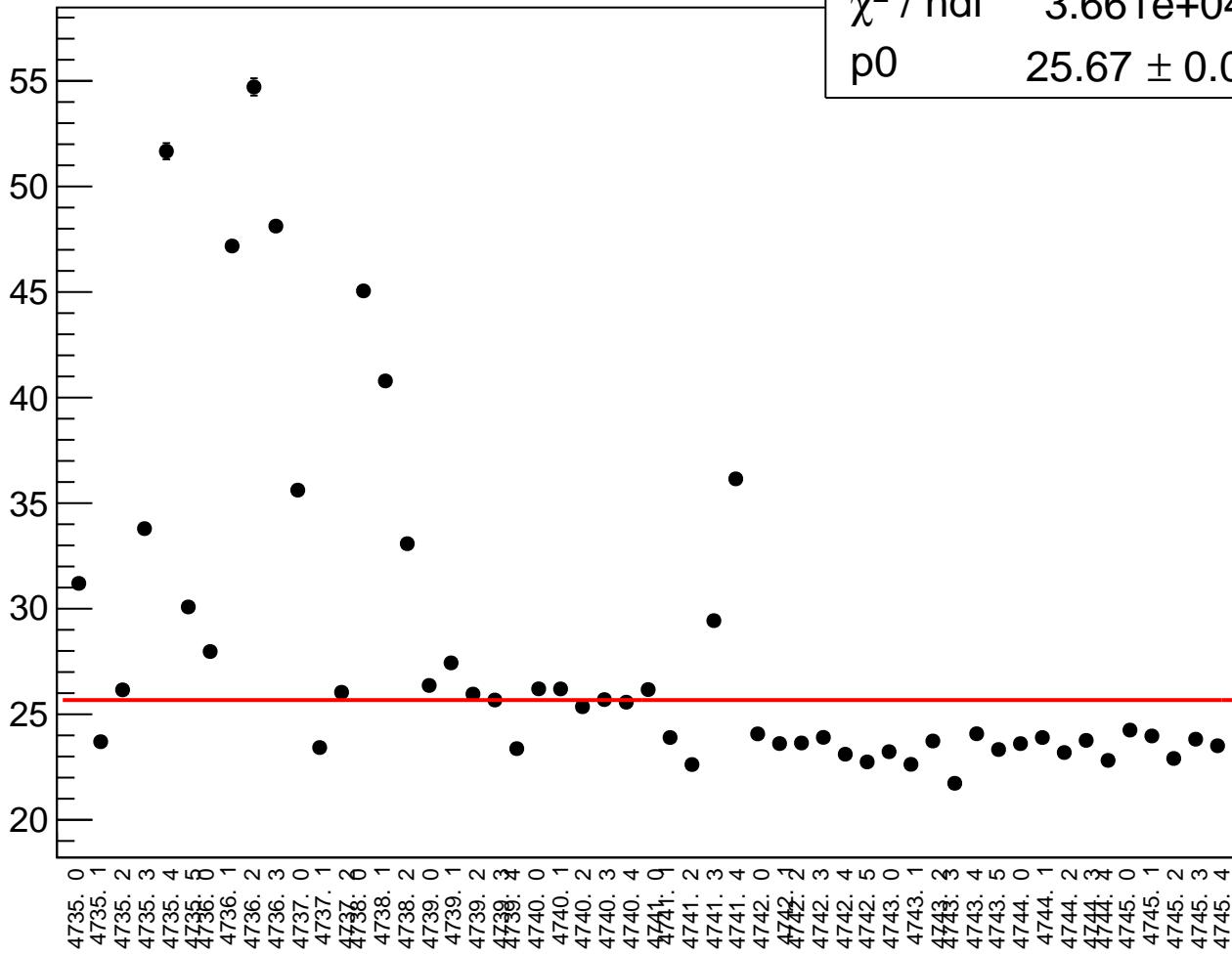


# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



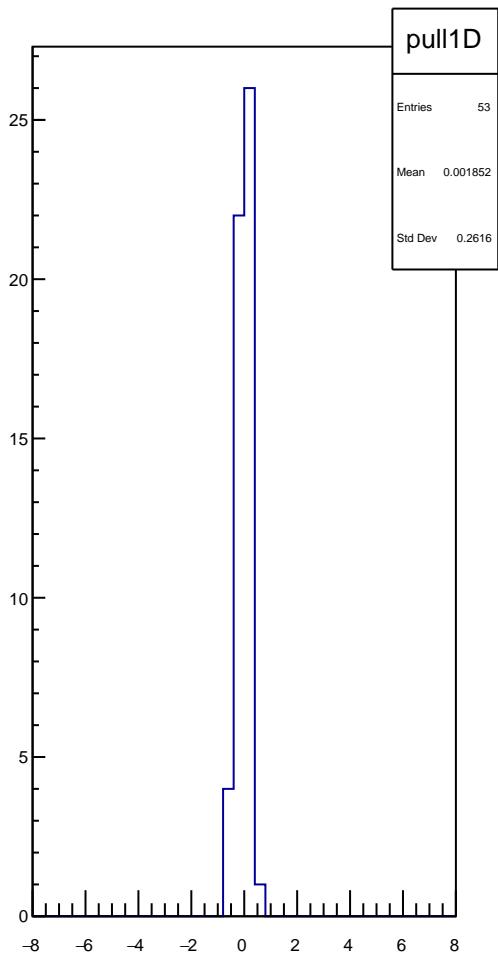
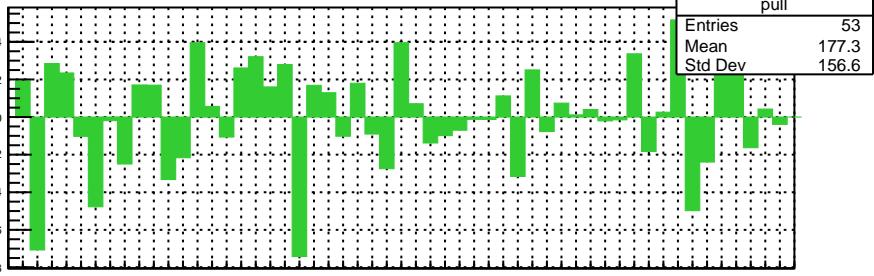
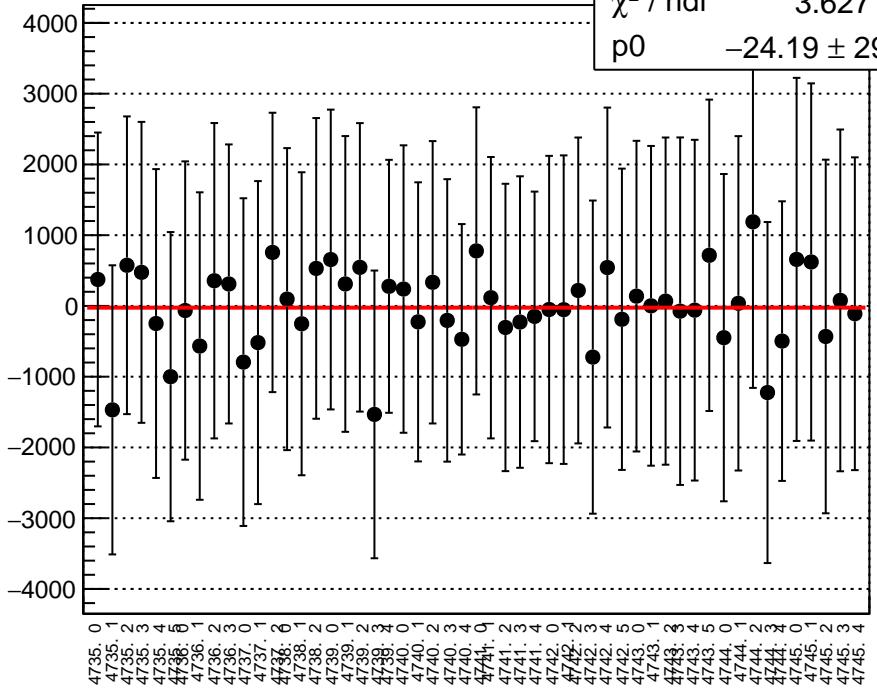
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run

$\chi^2 / \text{ndf}$     3.661e+04 / 52  
p0         $25.67 \pm 0.02591$

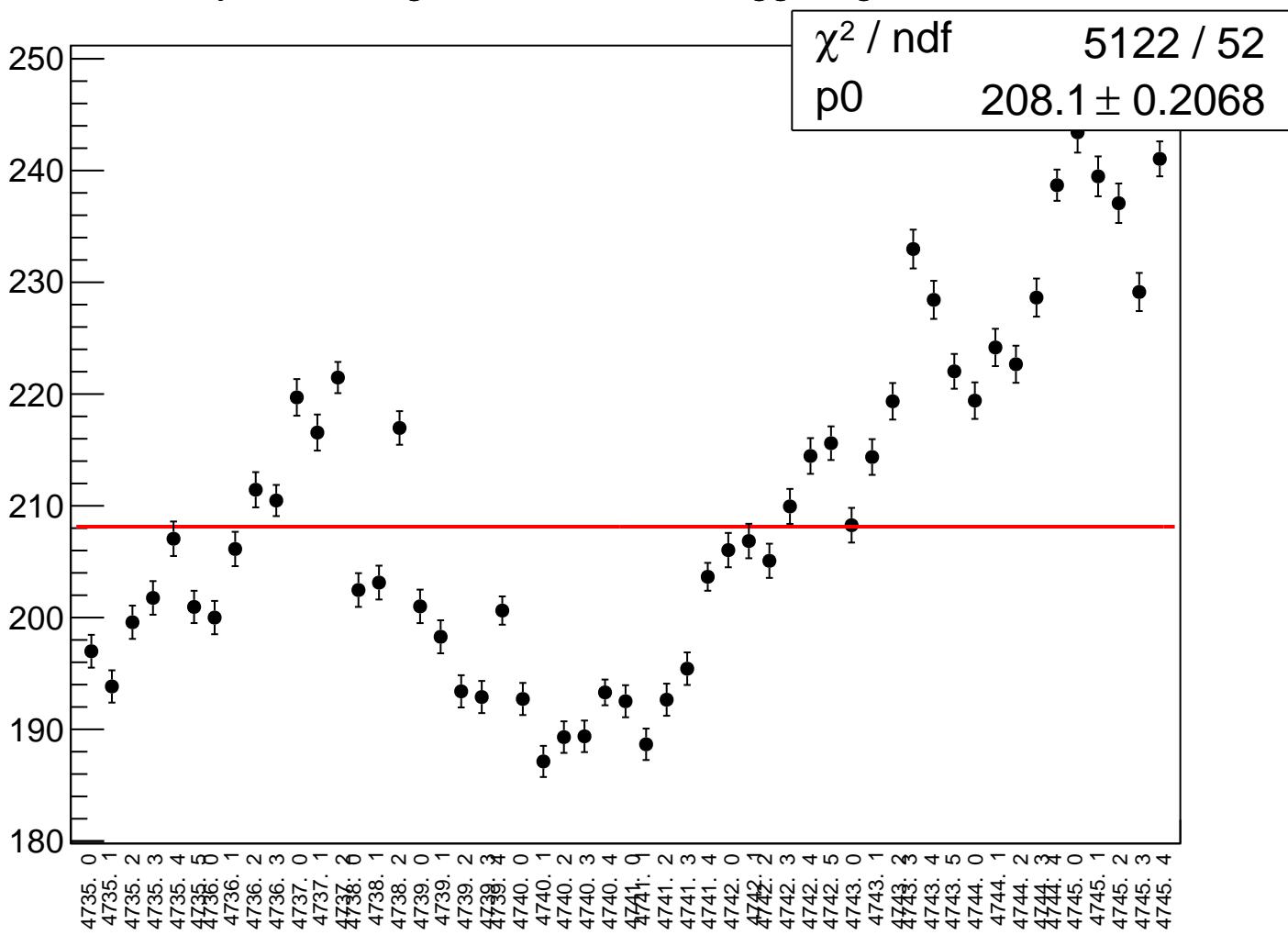


asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_mean vs run

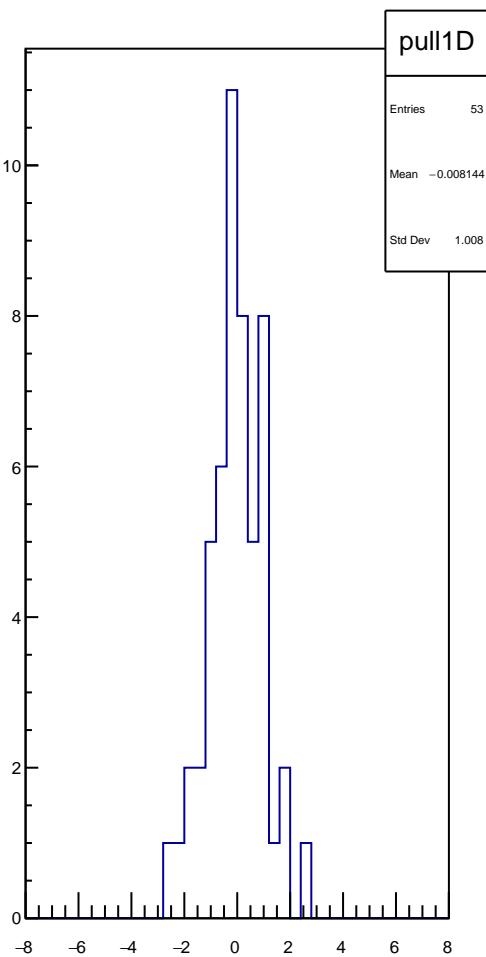
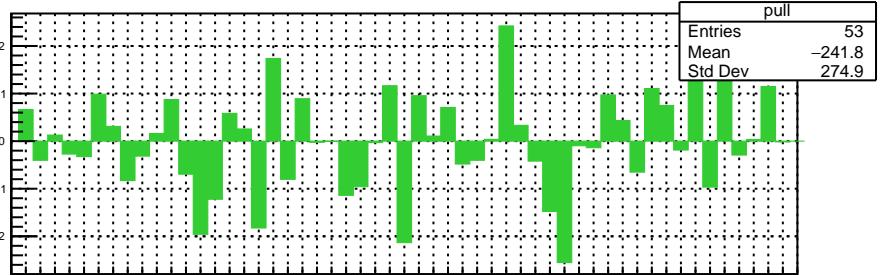
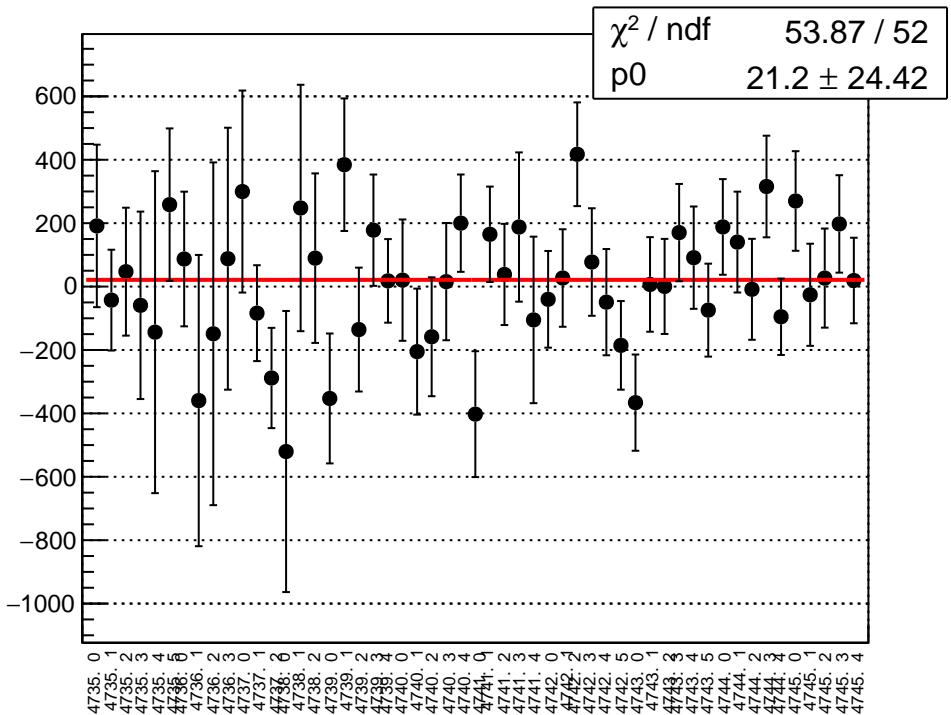
$\chi^2 / \text{ndf}$  3.627 / 52  
p0  $-24.19 \pm 292.5$



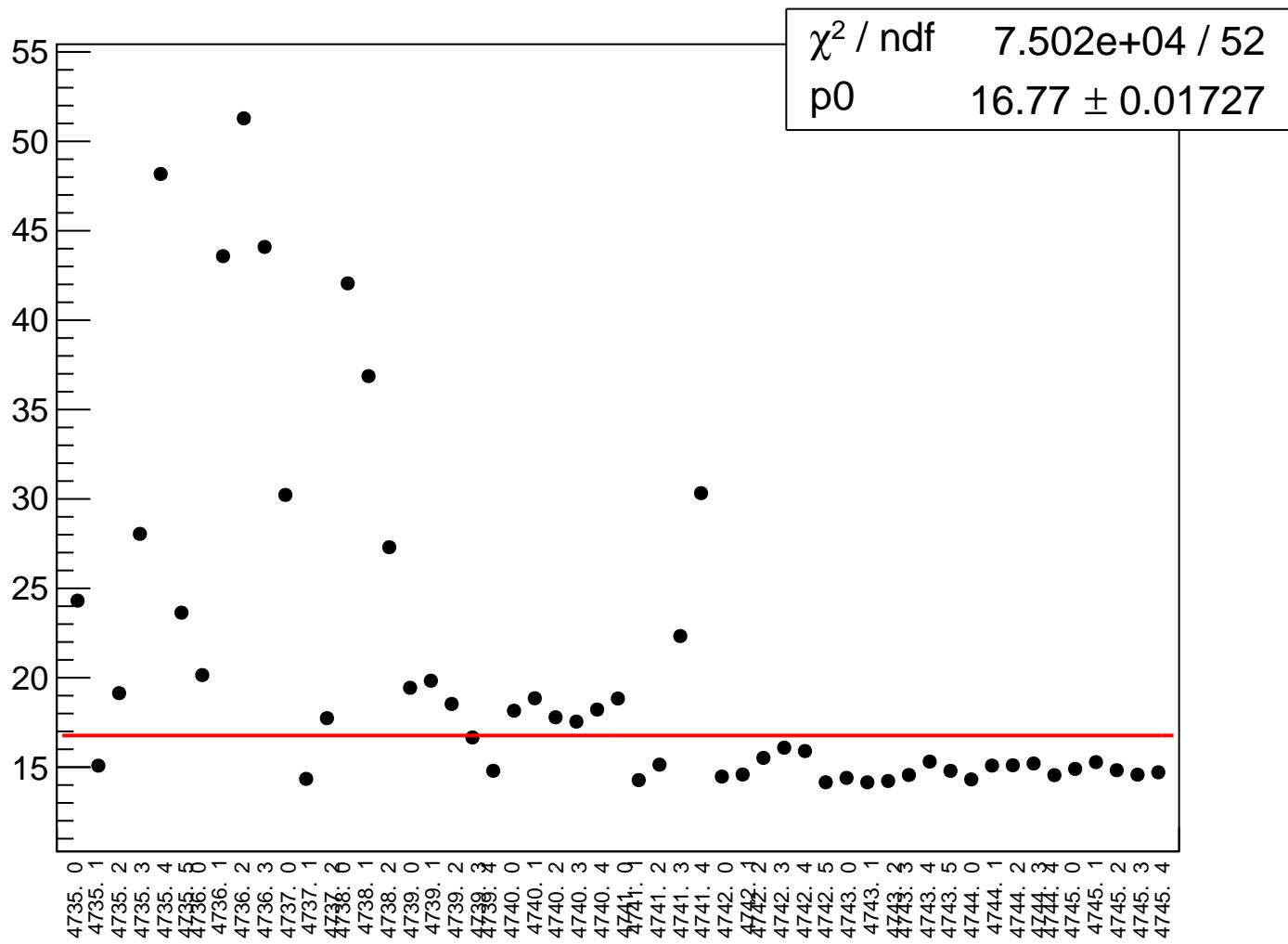
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_rms vs run



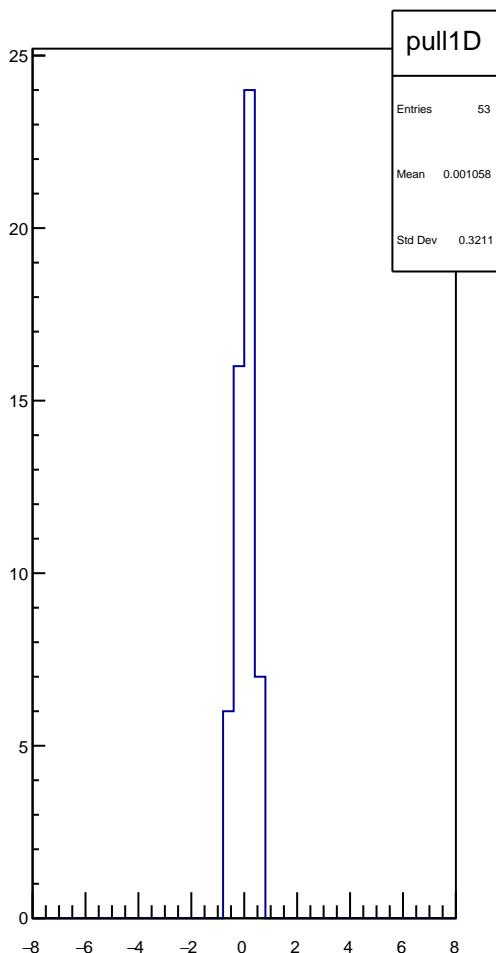
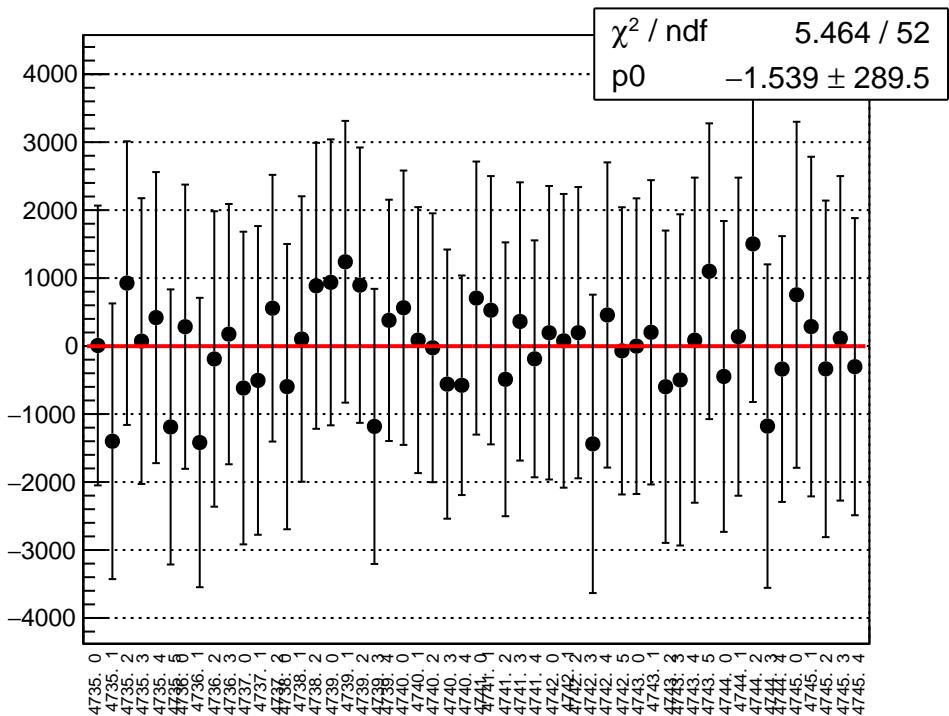
### asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_mean vs run



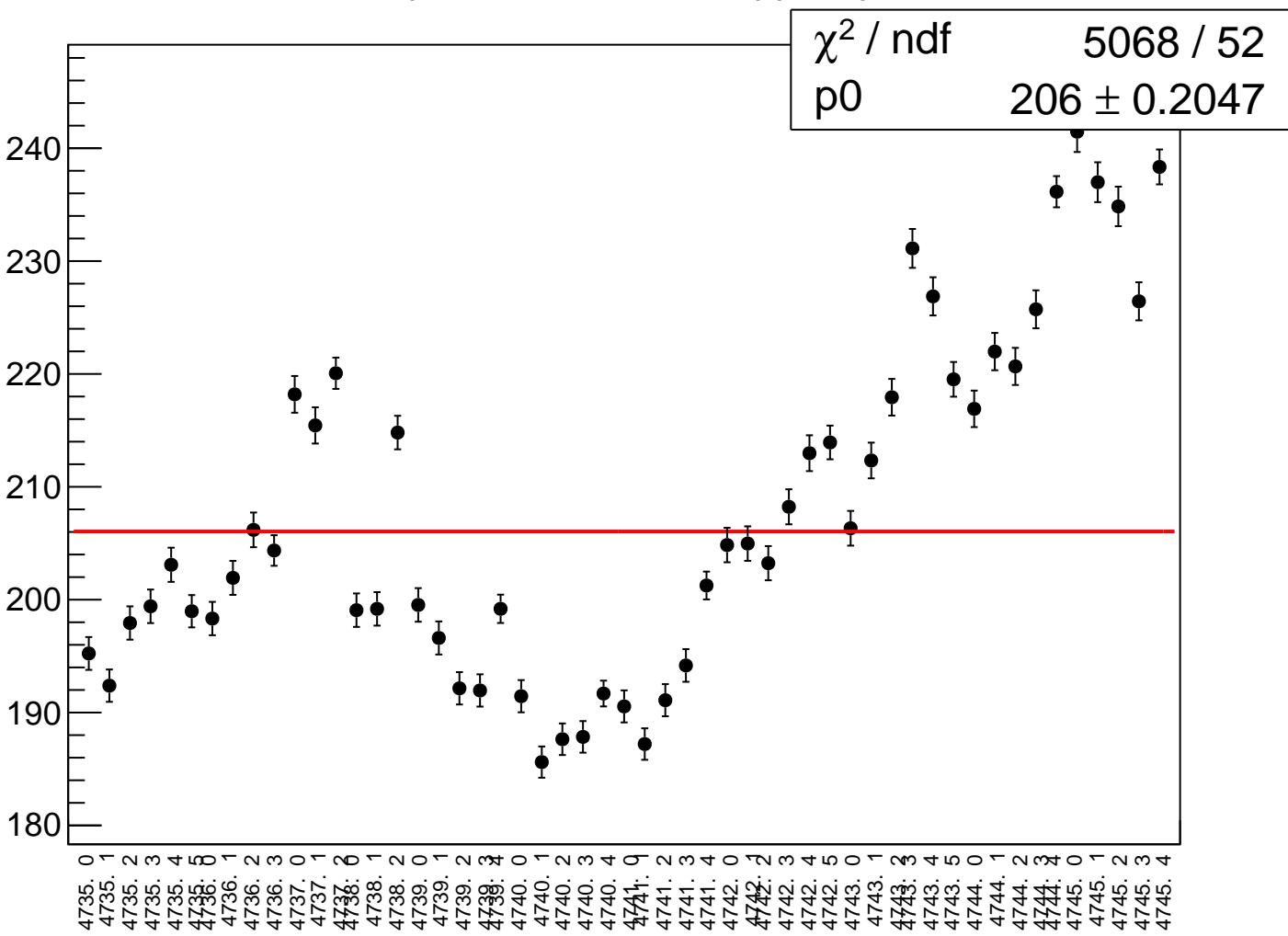
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_rms vs run



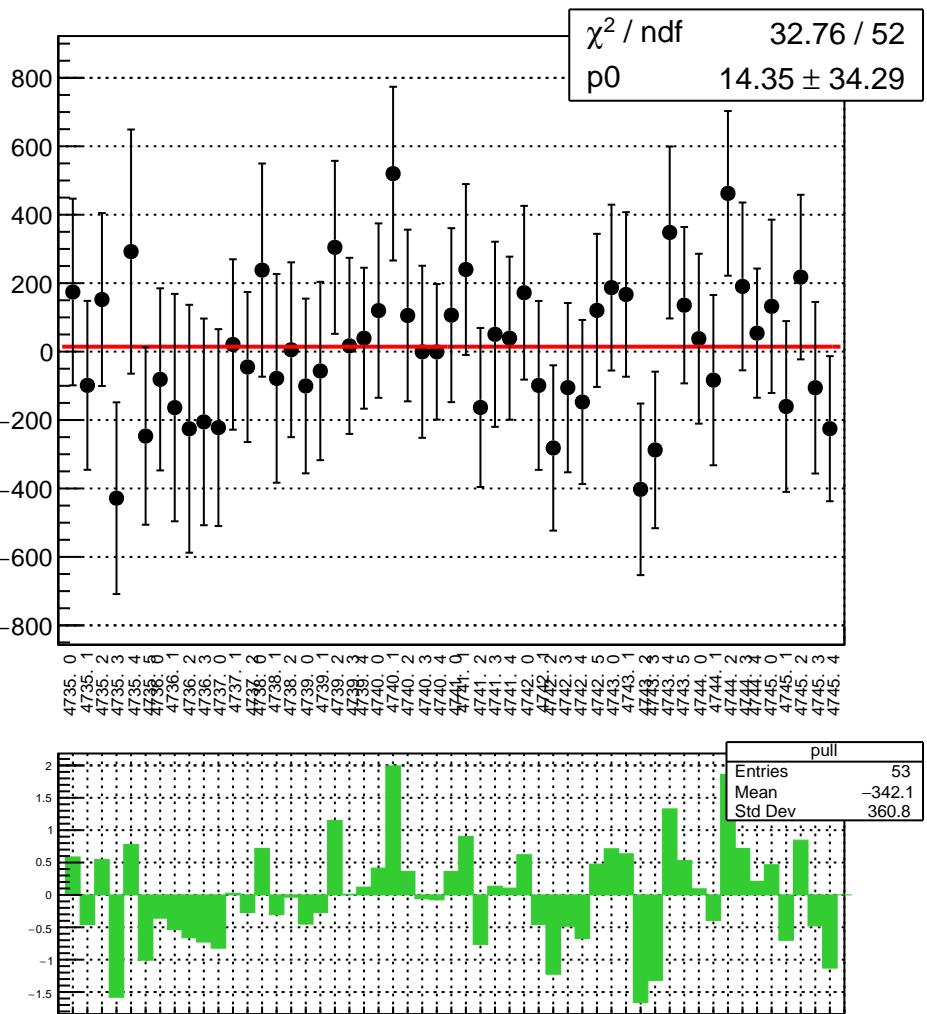
asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_mean vs run



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



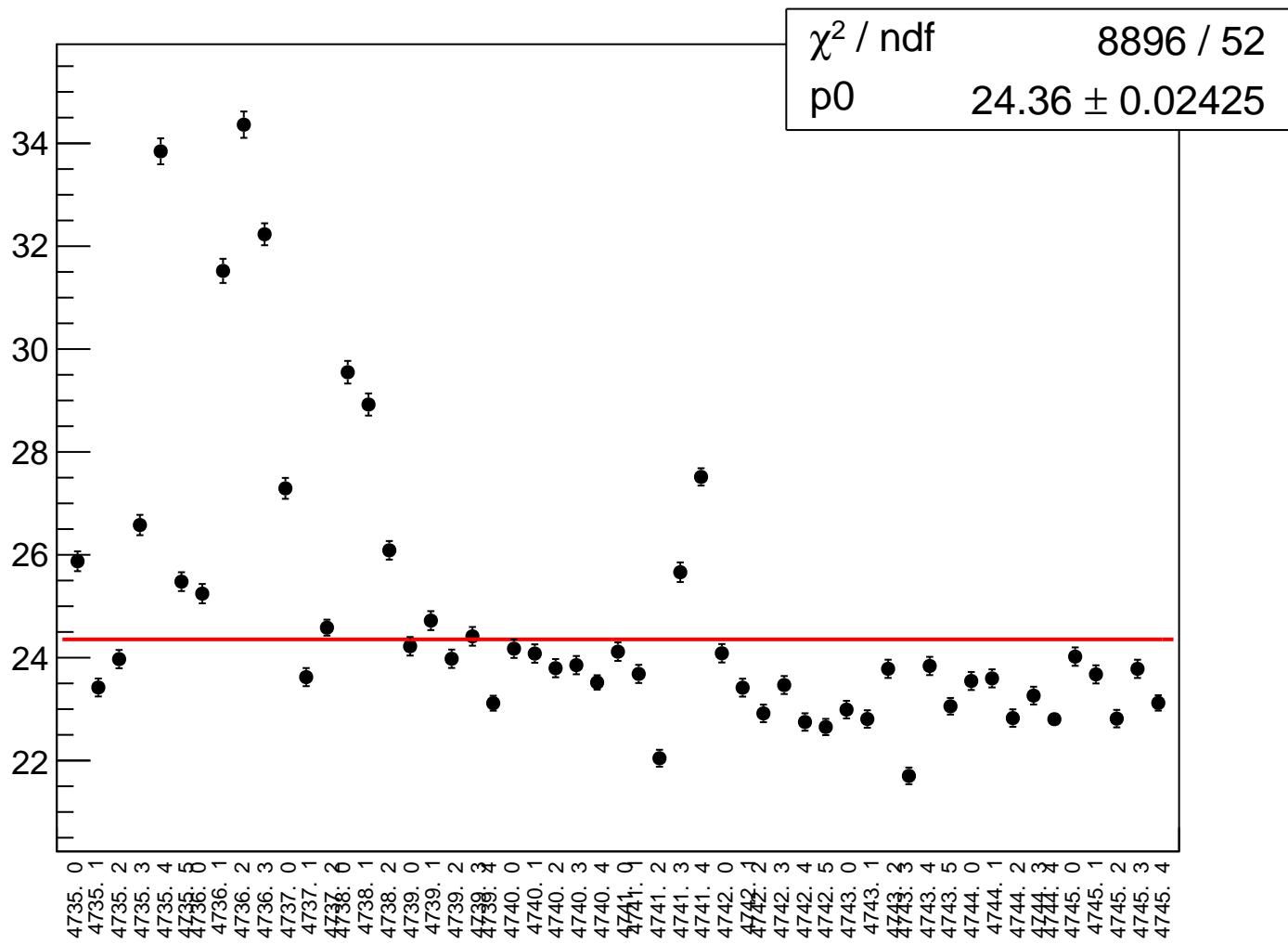
### asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_mean vs run



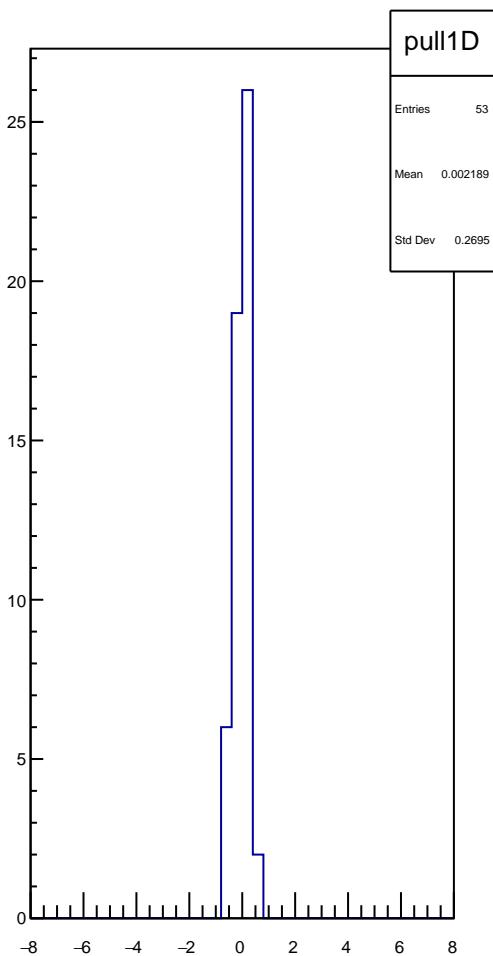
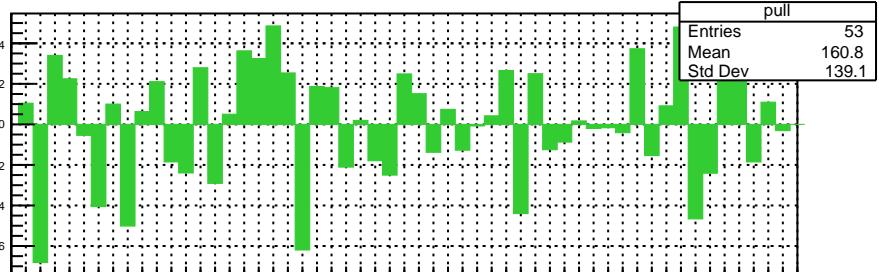
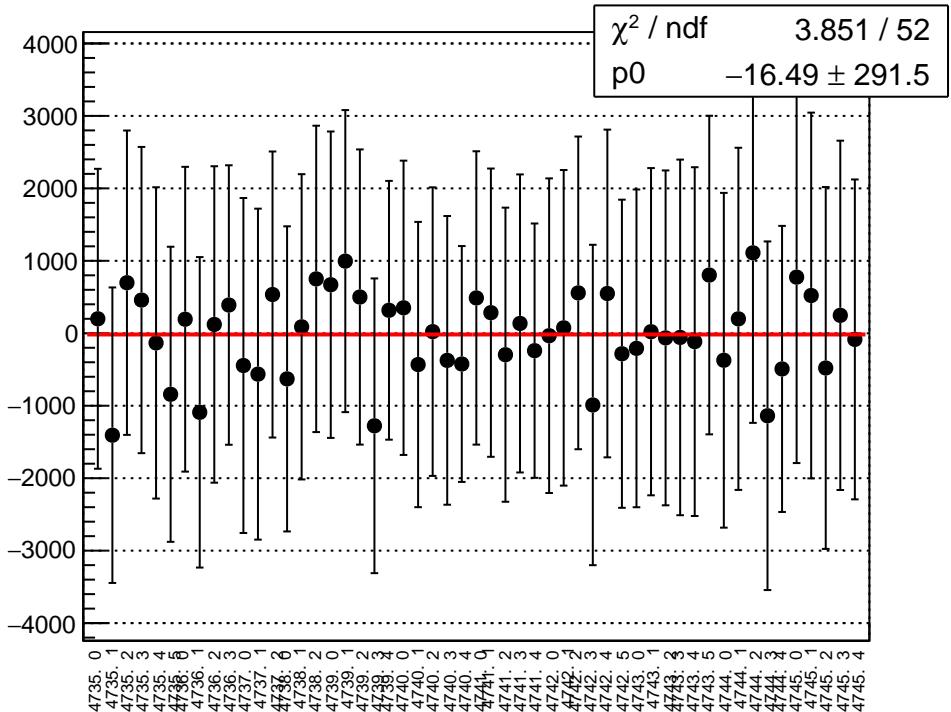
pull1D

Entries	53
Mean	-0.003827
Std Dev	0.7862

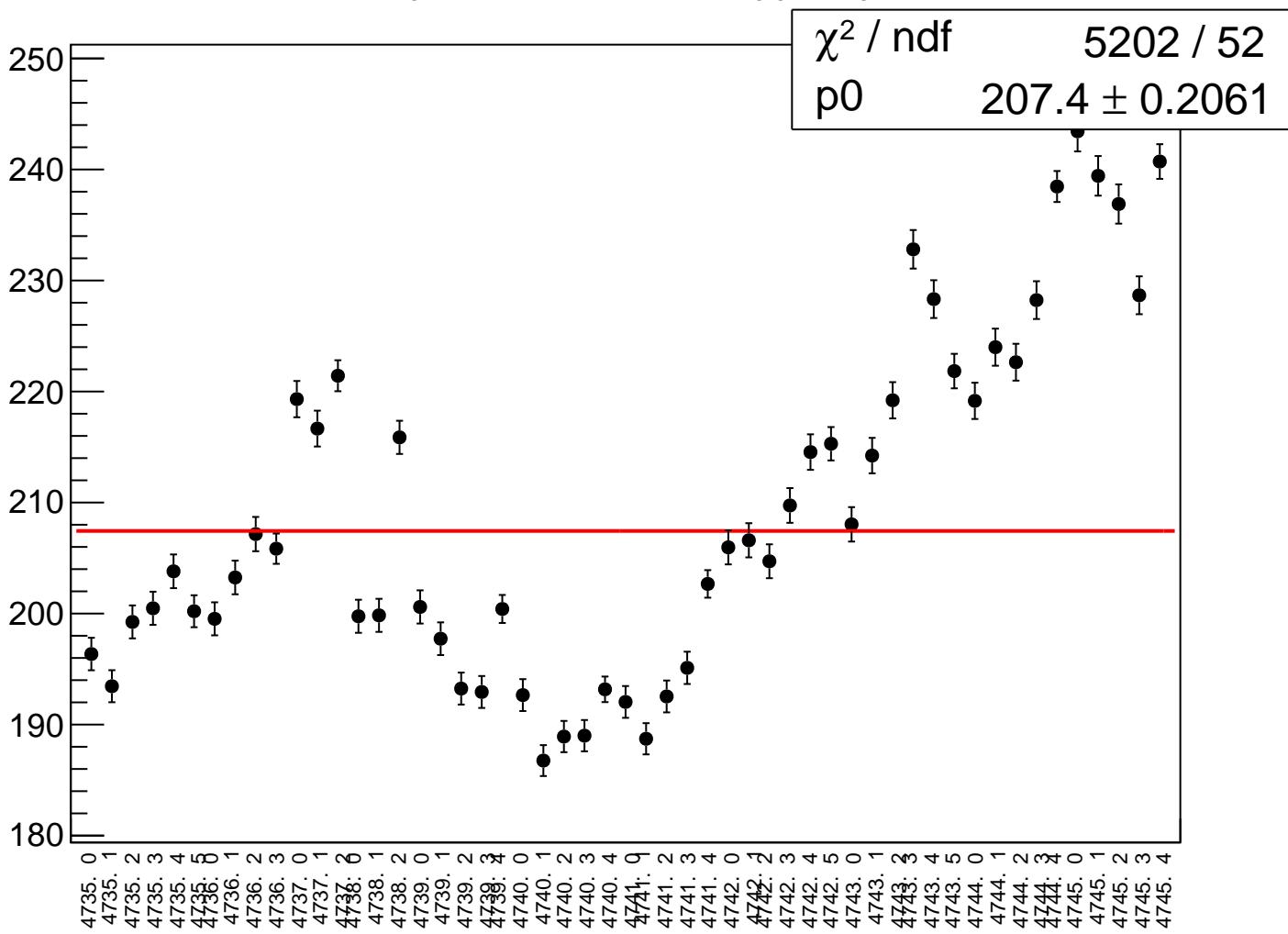
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_rms vs run



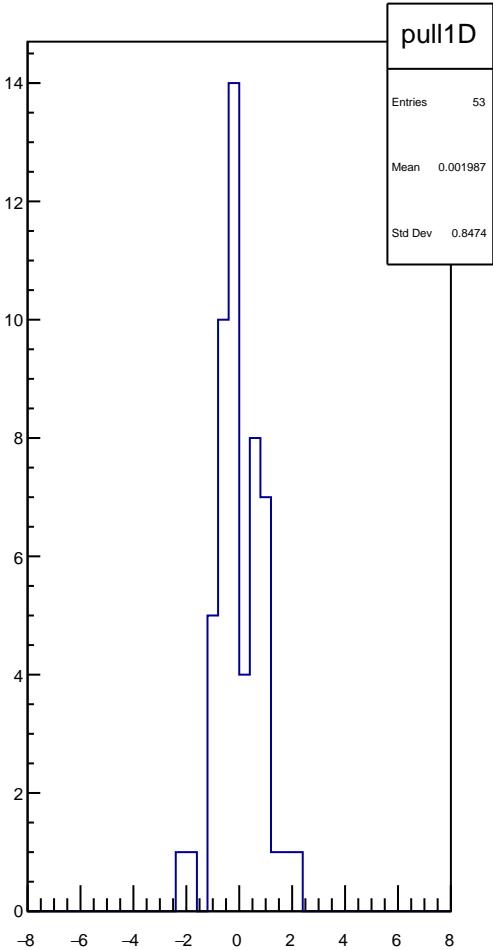
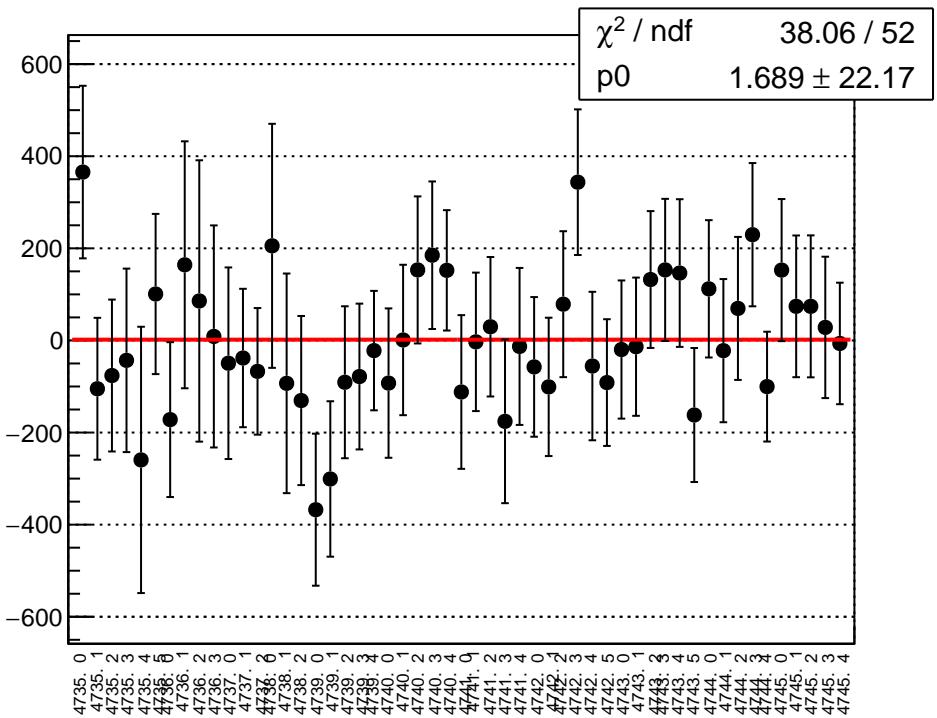
asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_mean vs run



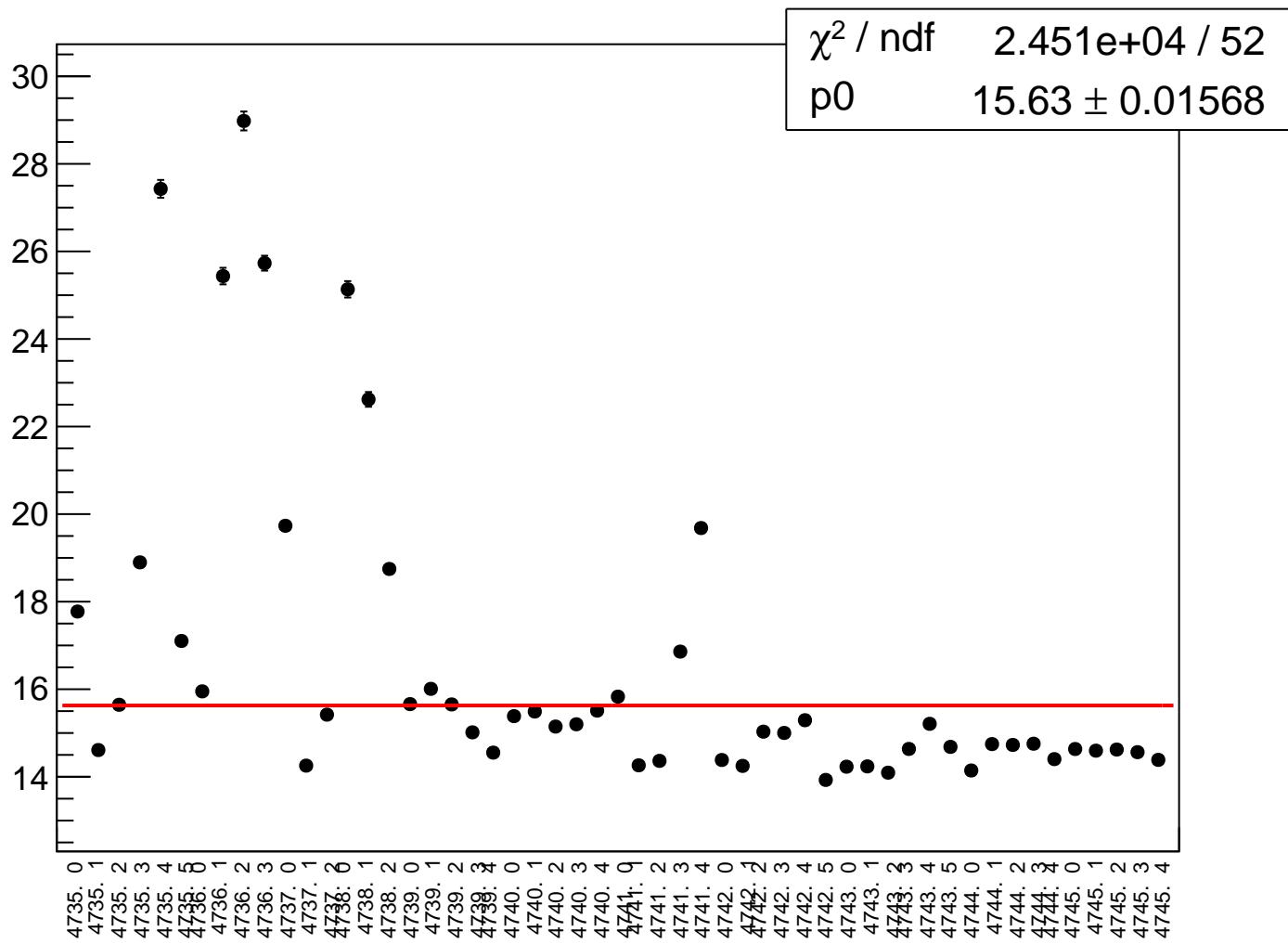
# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_rms vs run



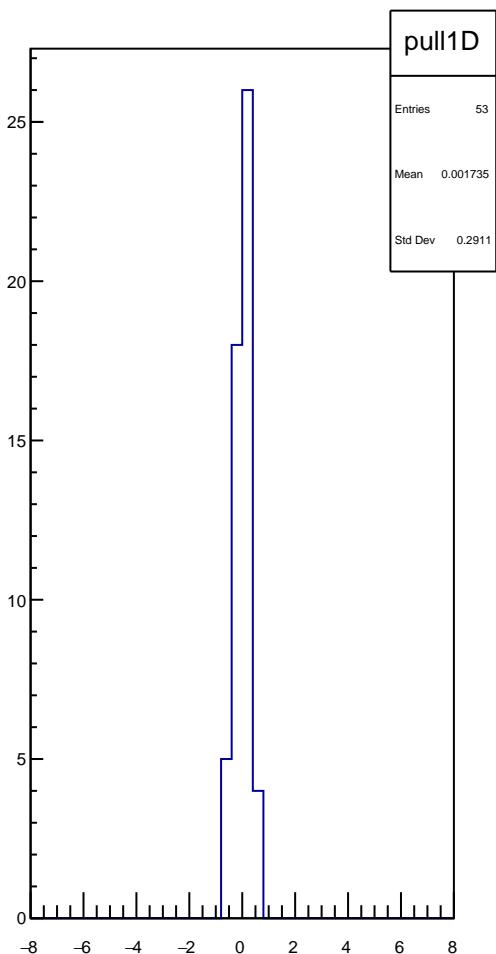
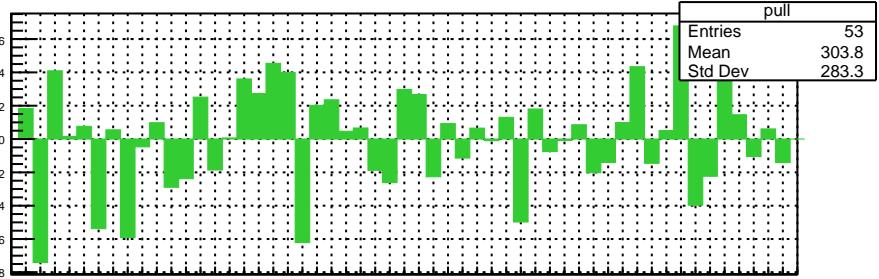
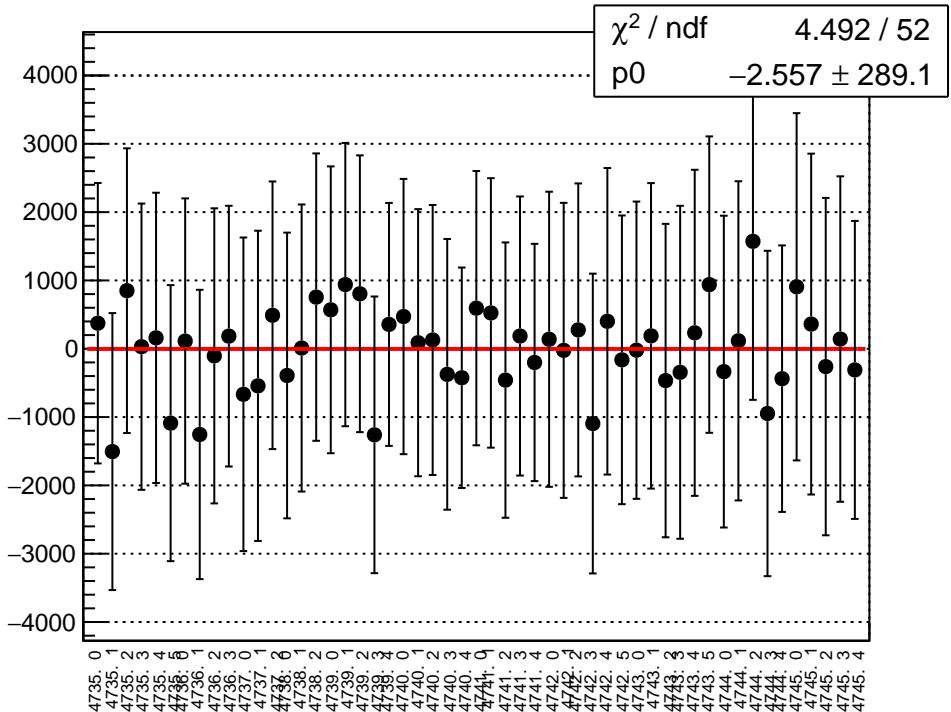
# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_mean vs run



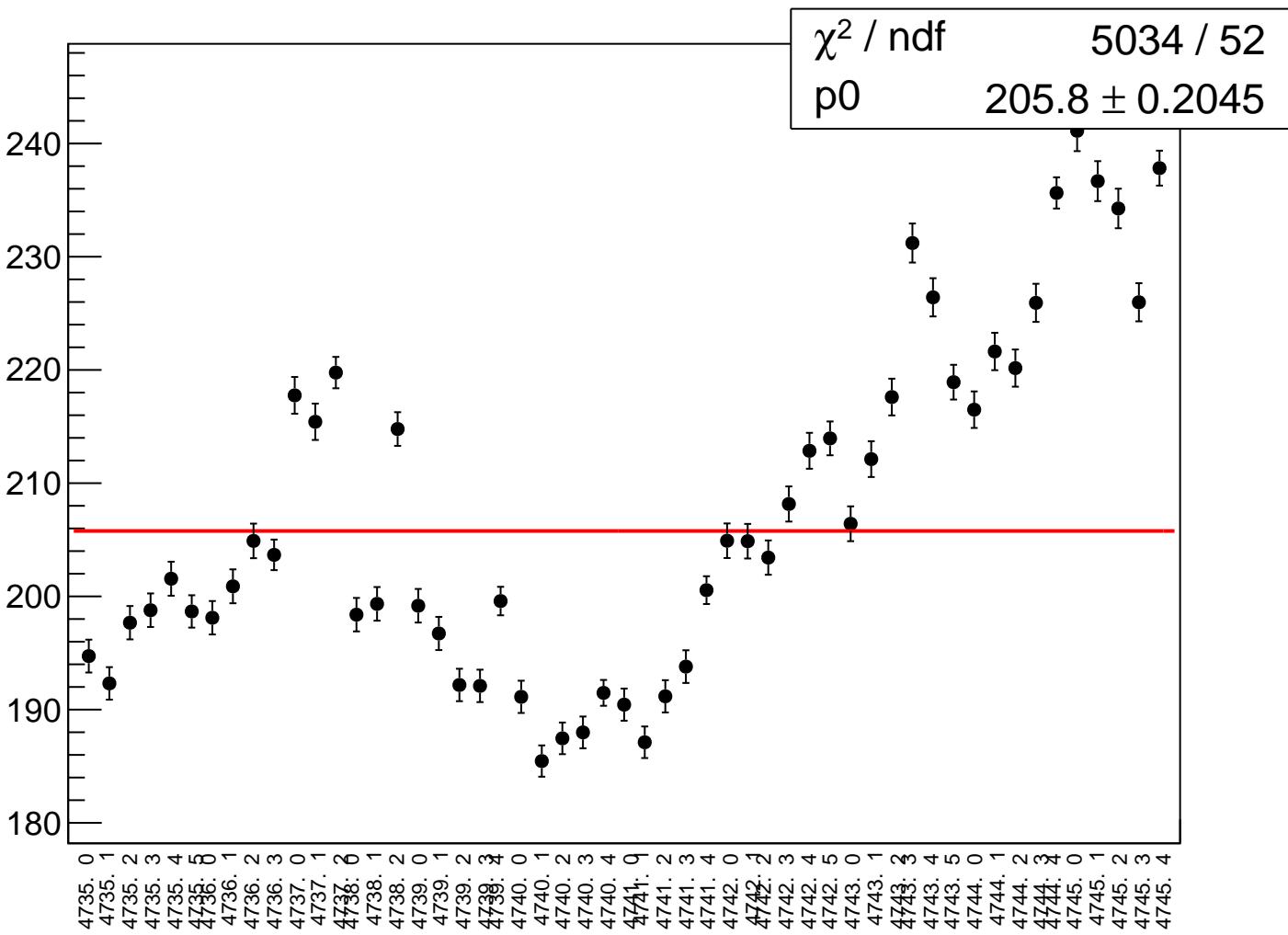
# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_rms vs run



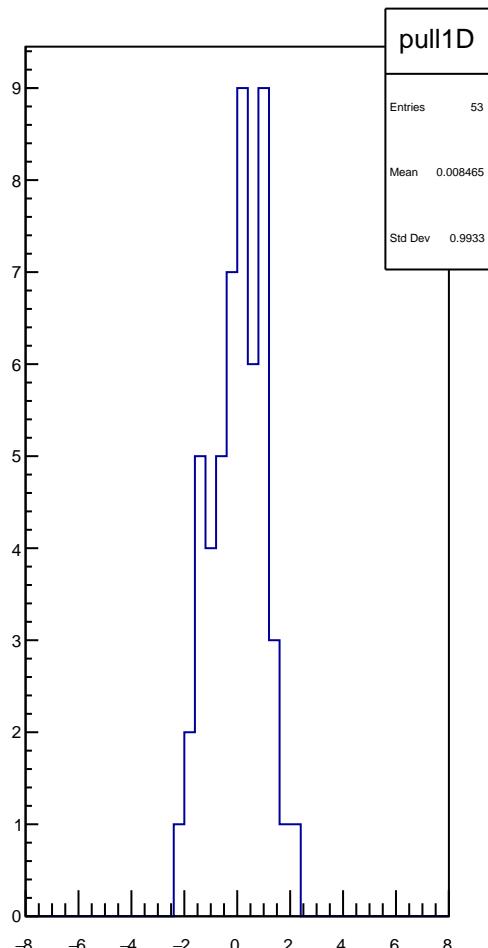
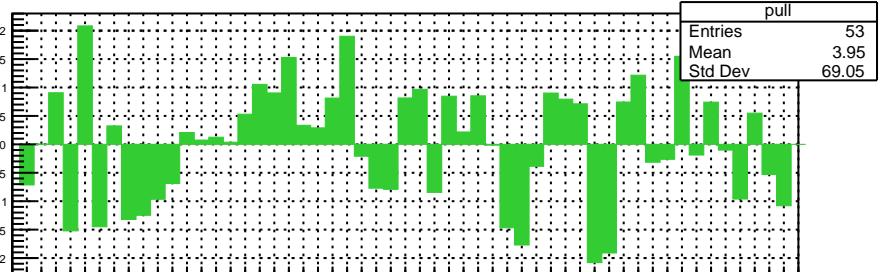
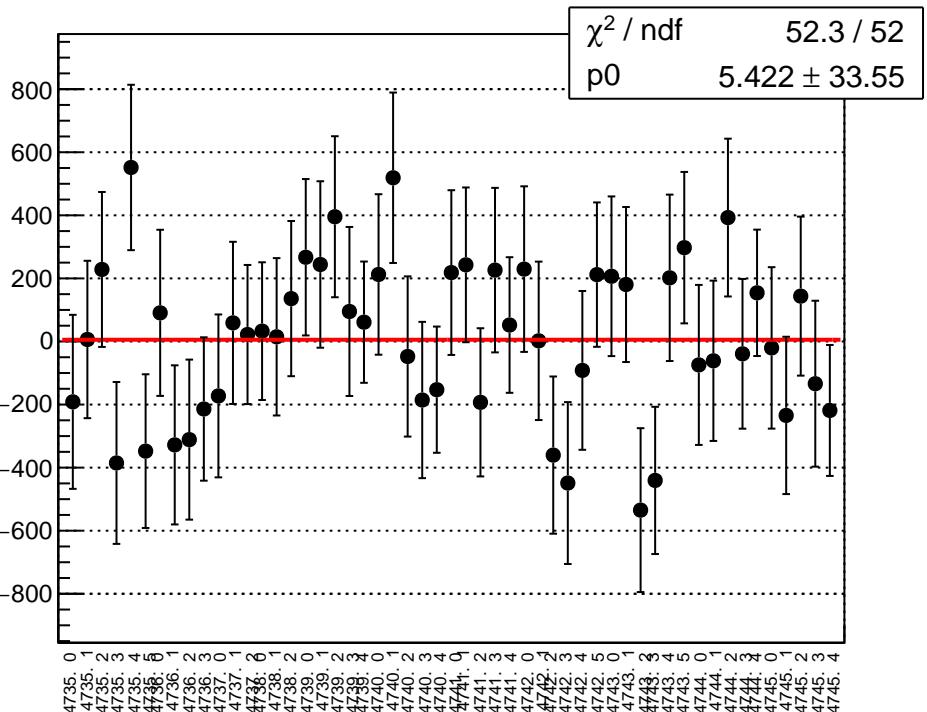
asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_mean vs run



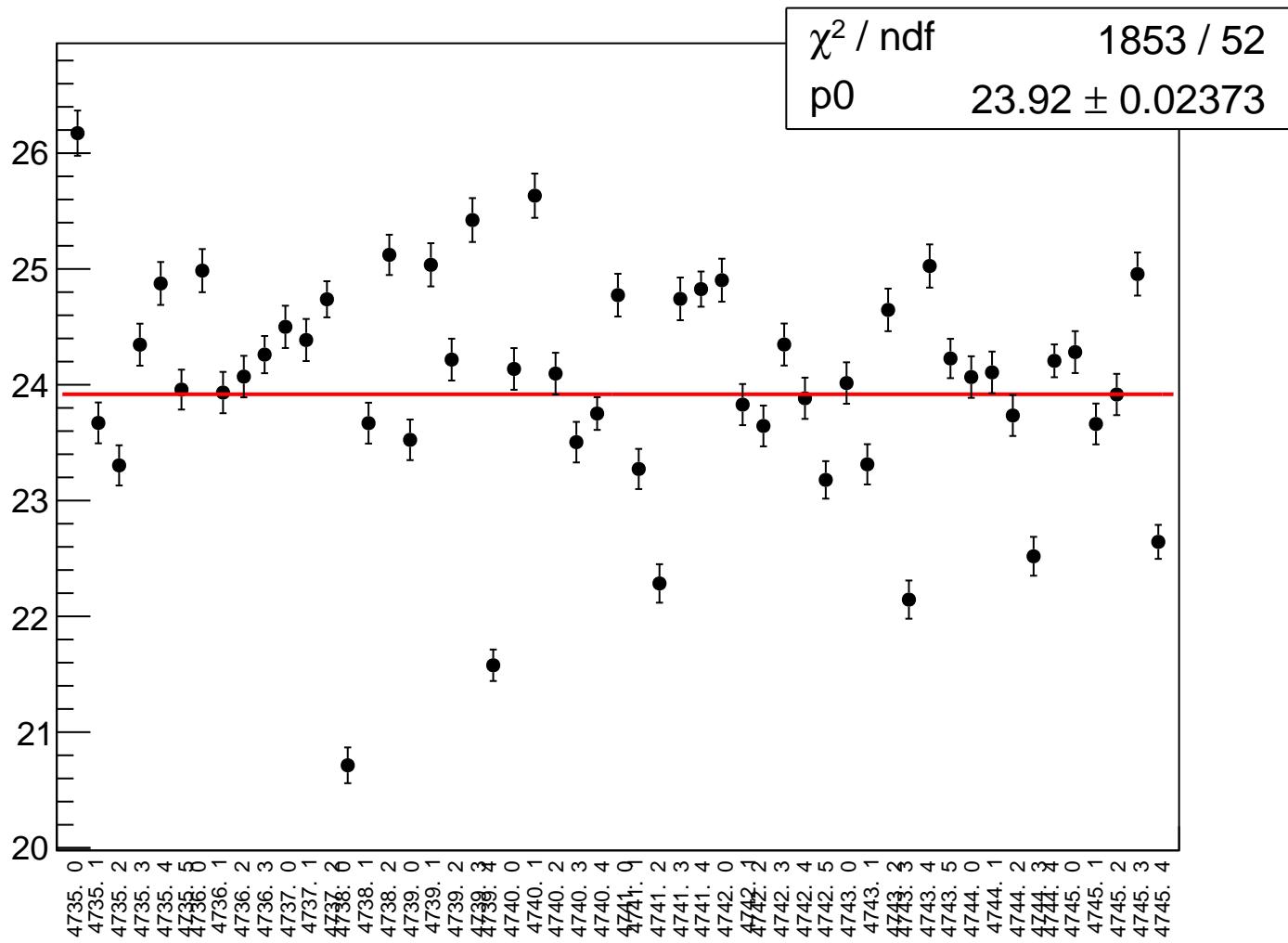
# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_rms vs run



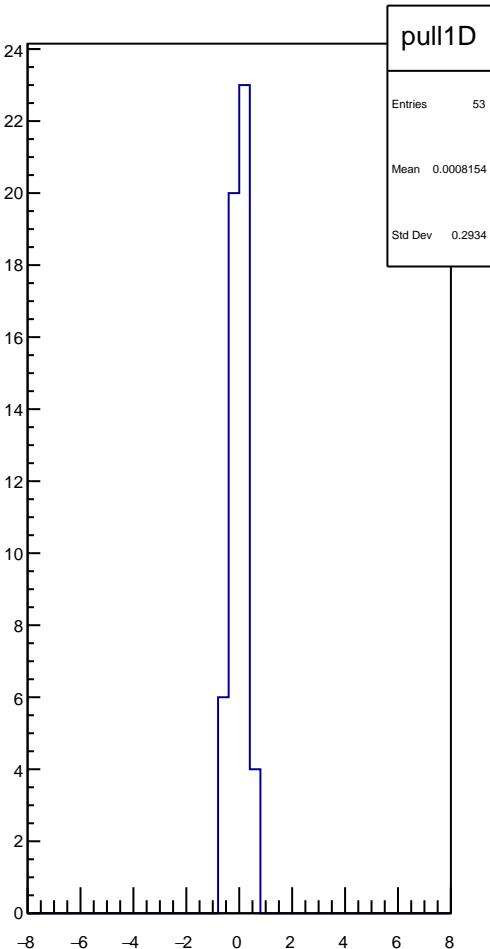
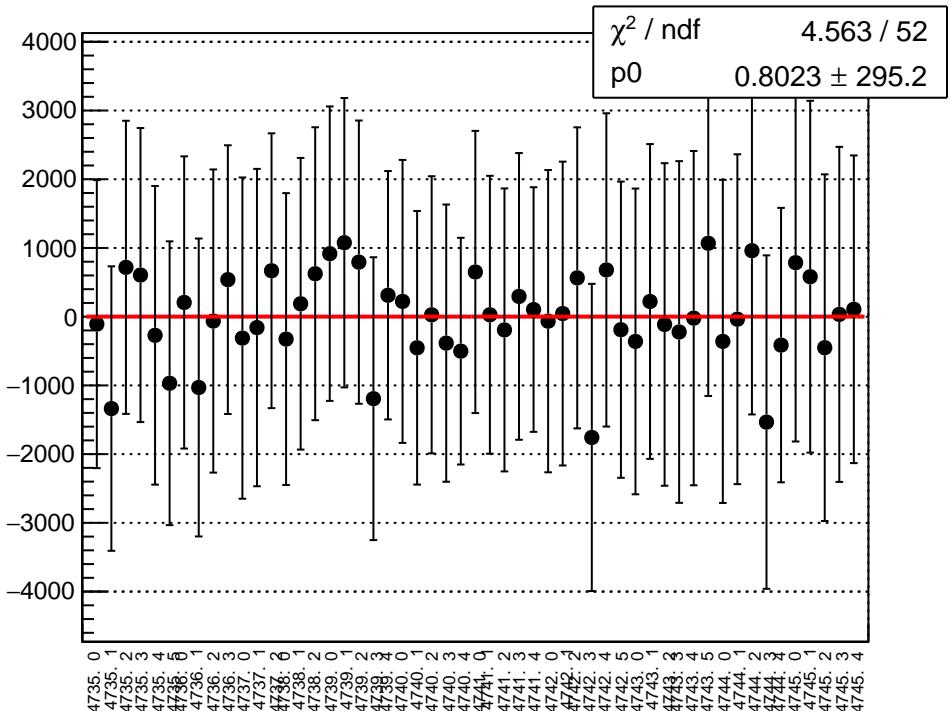
asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_mean vs run



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



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



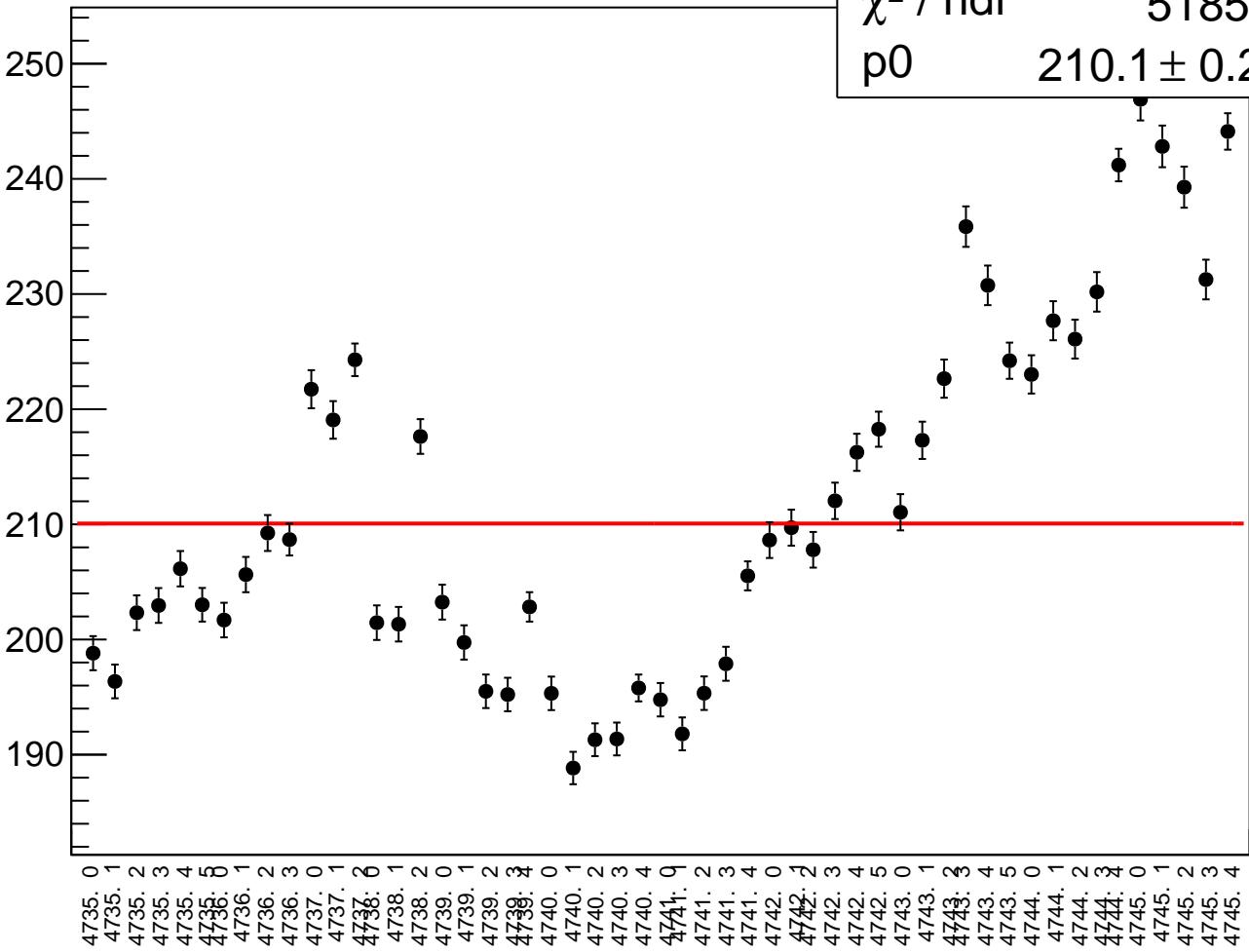
# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_avg\_rms vs run

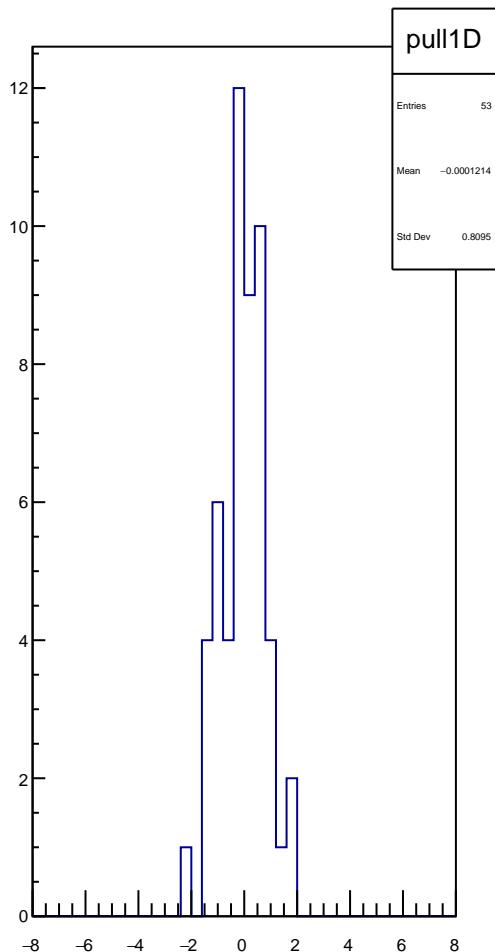
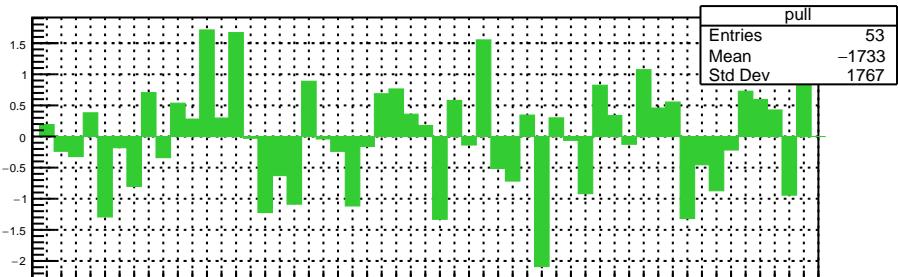
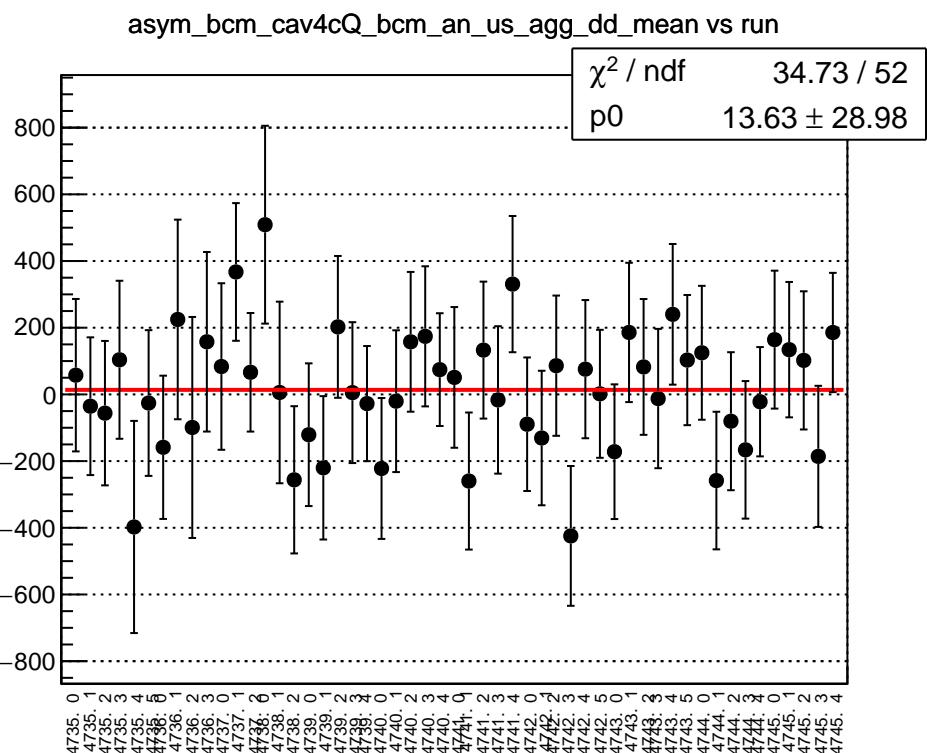
$\chi^2 / \text{ndf}$

5185 / 52

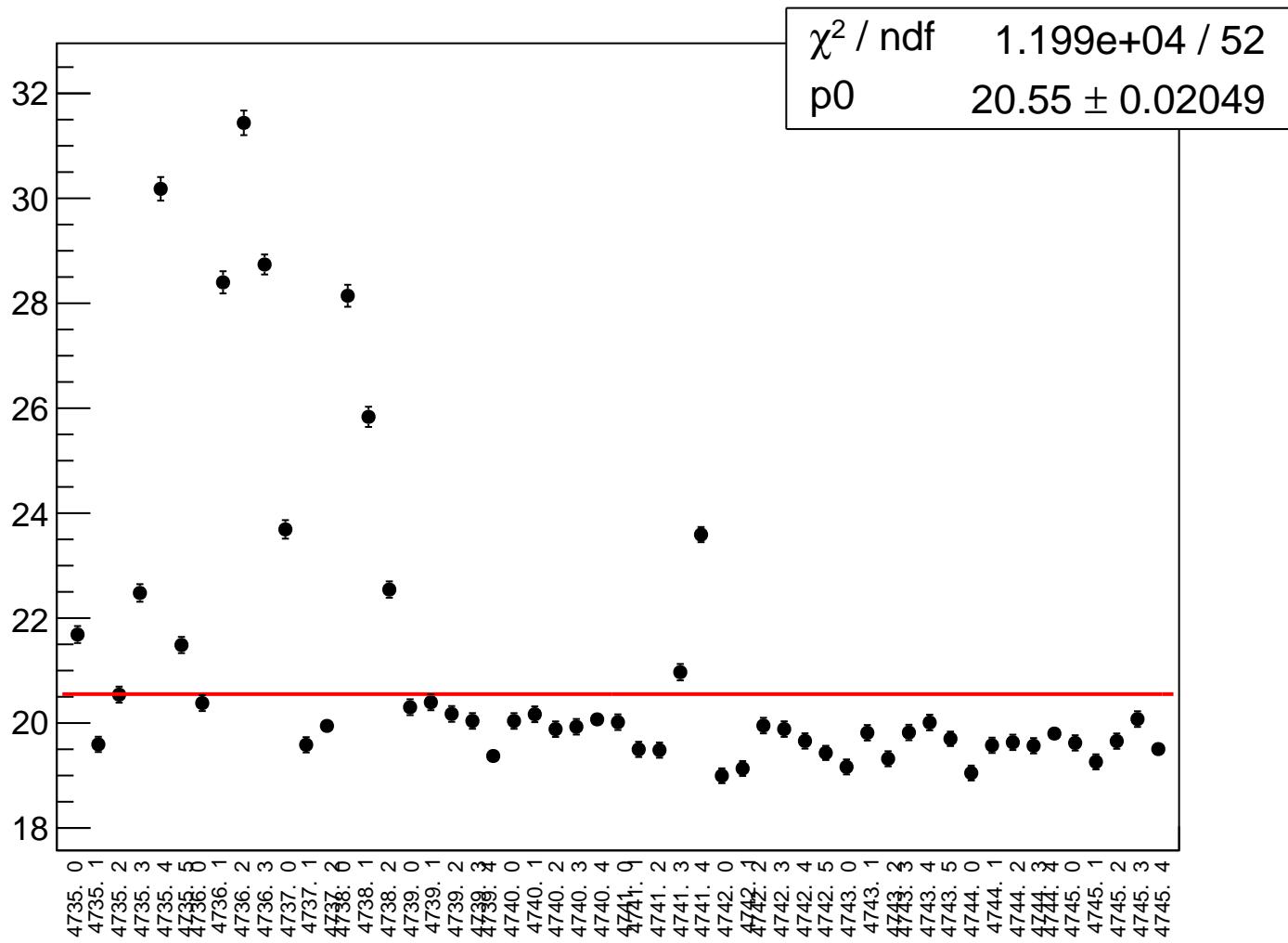
p0

$210.1 \pm 0.2087$

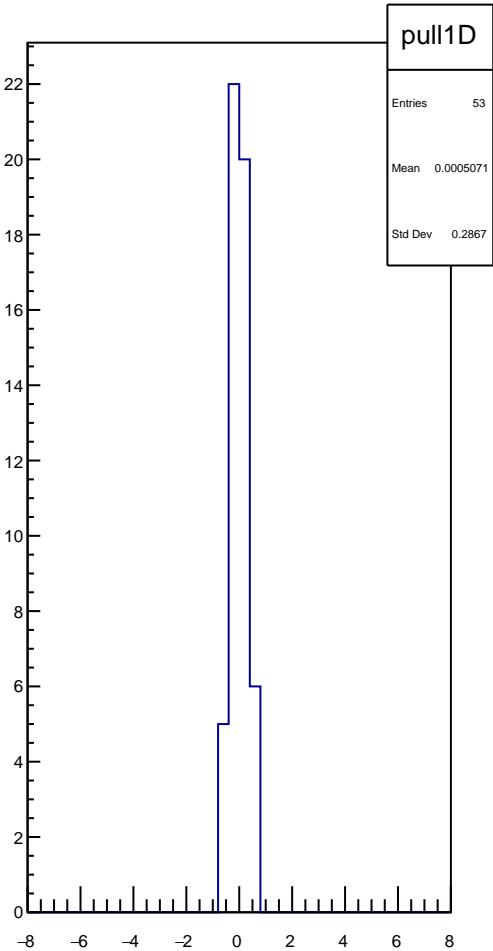
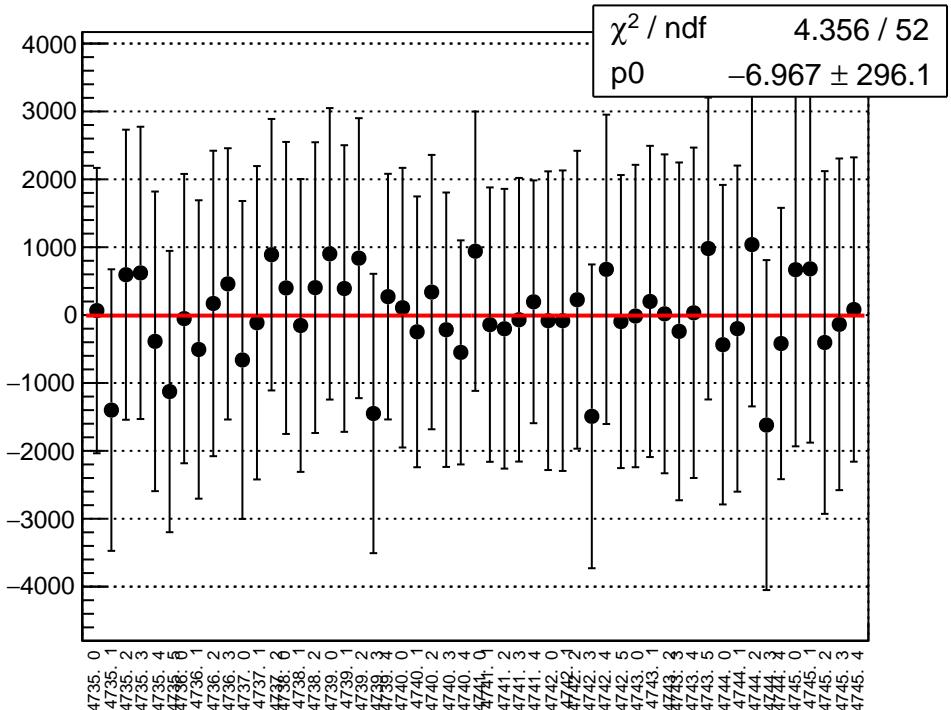




# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_rms vs run



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



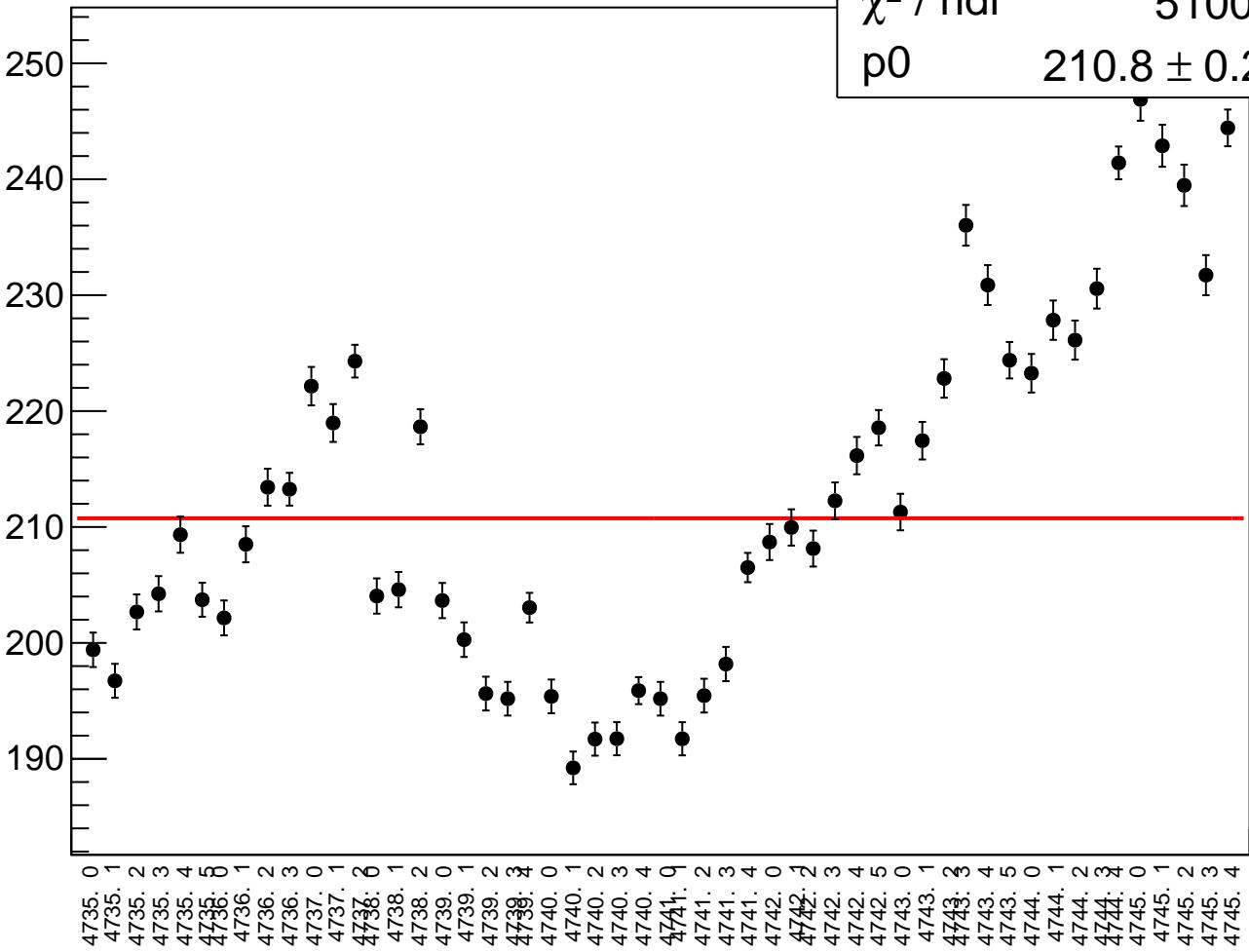
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_rms vs run

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

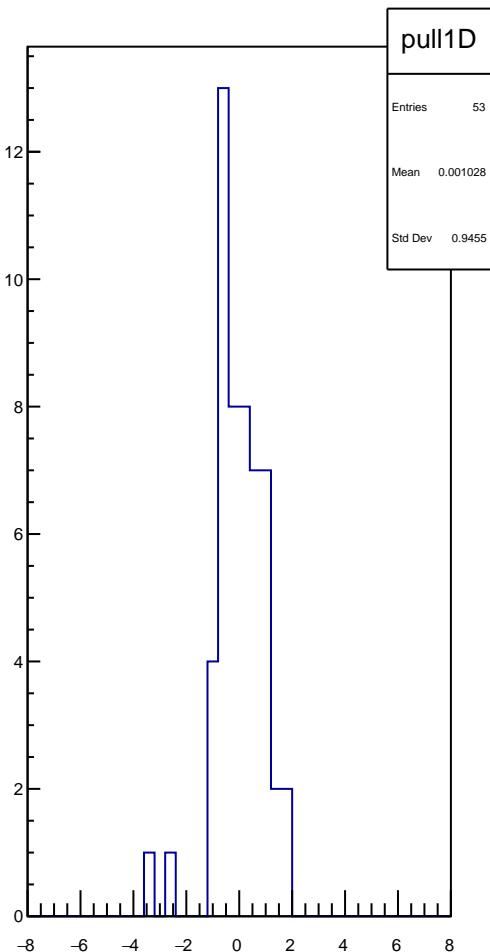
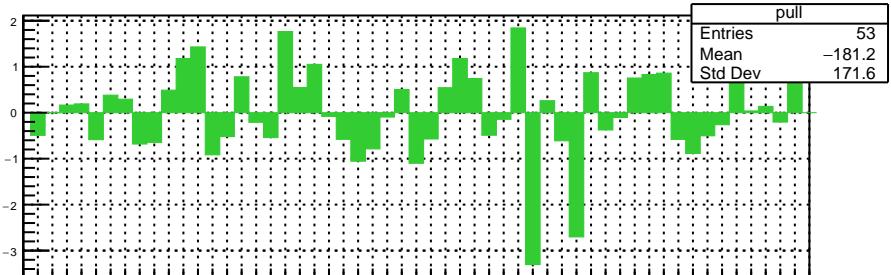
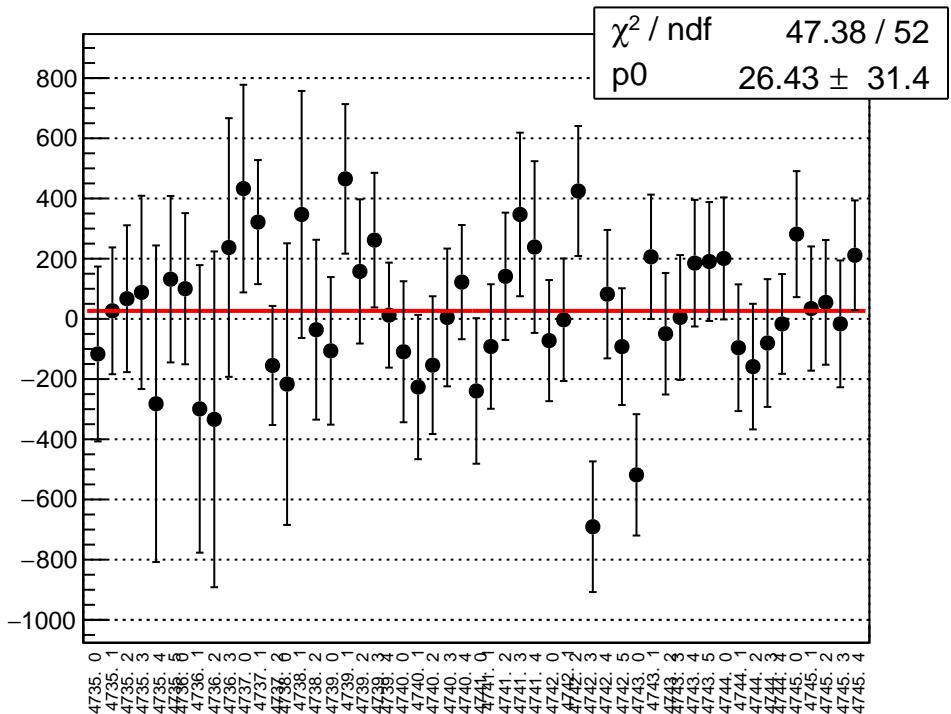
5100 / 52

p0

$210.8 \pm 0.2094$

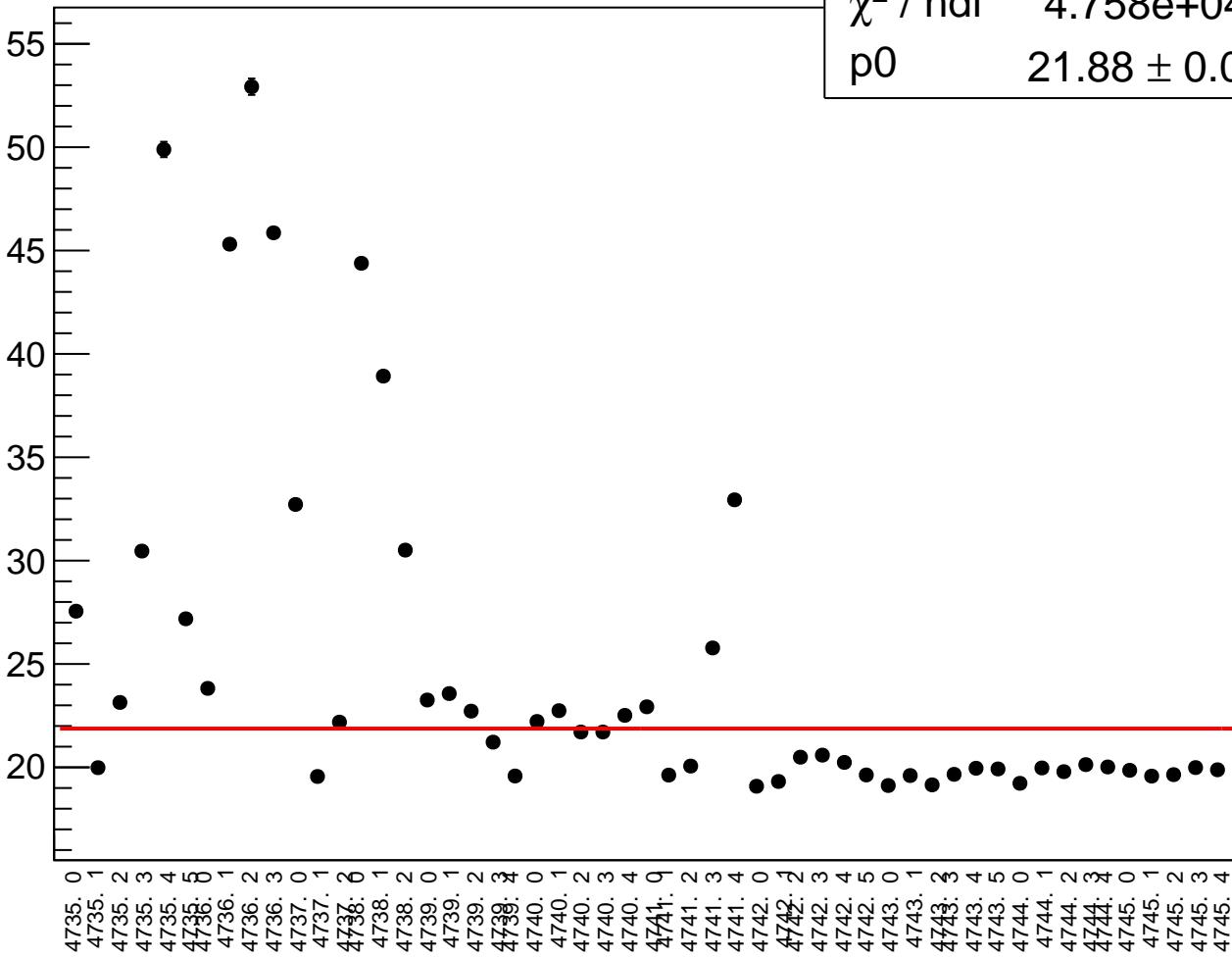


# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_mean vs run

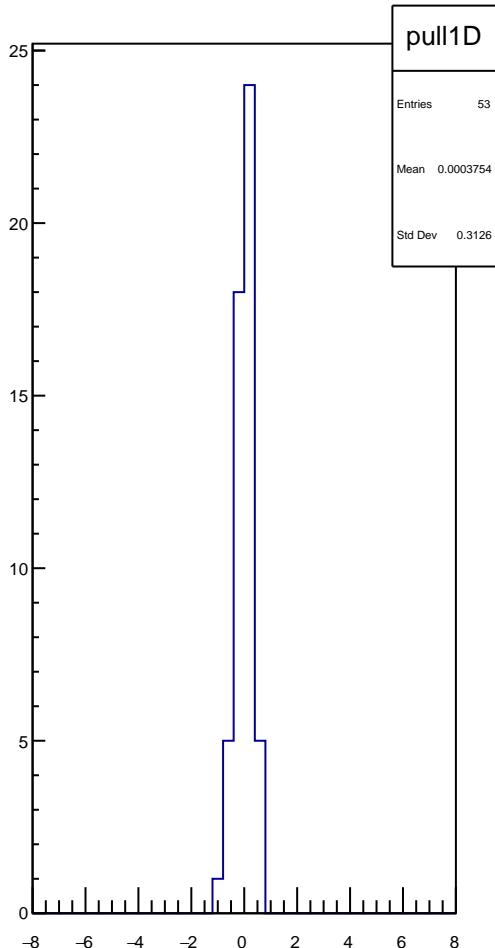
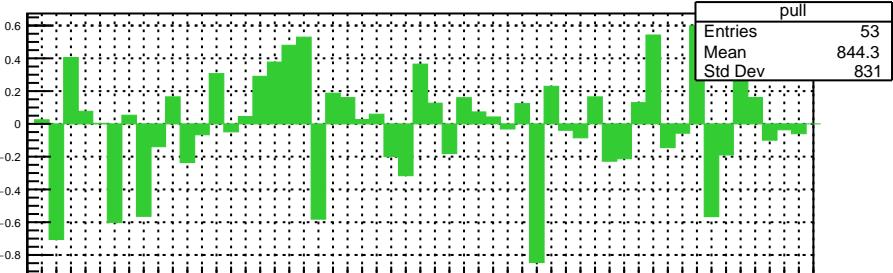
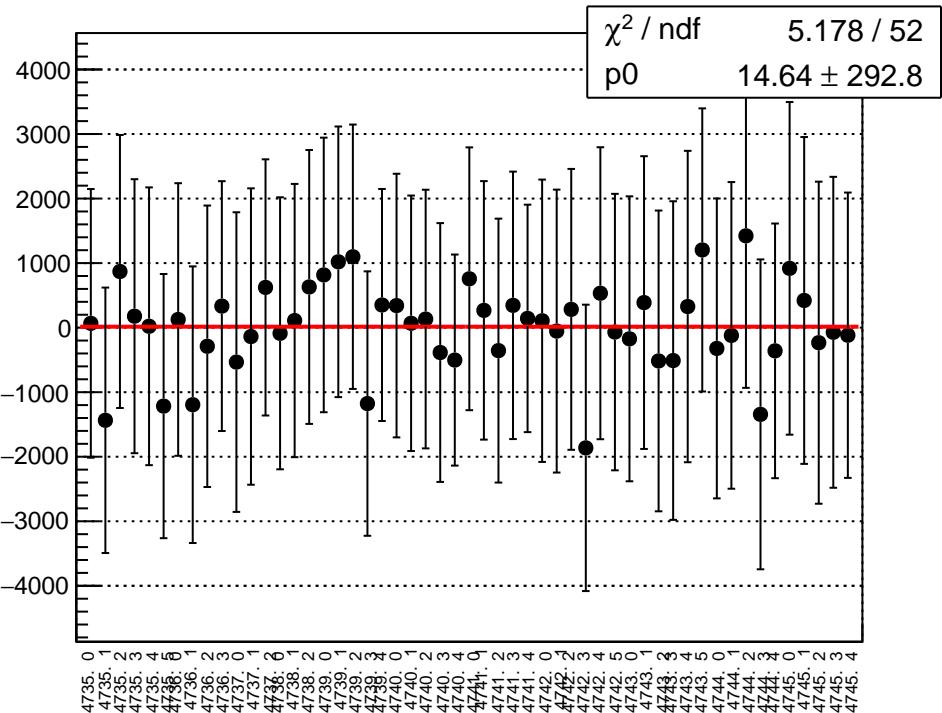


# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_rms vs run

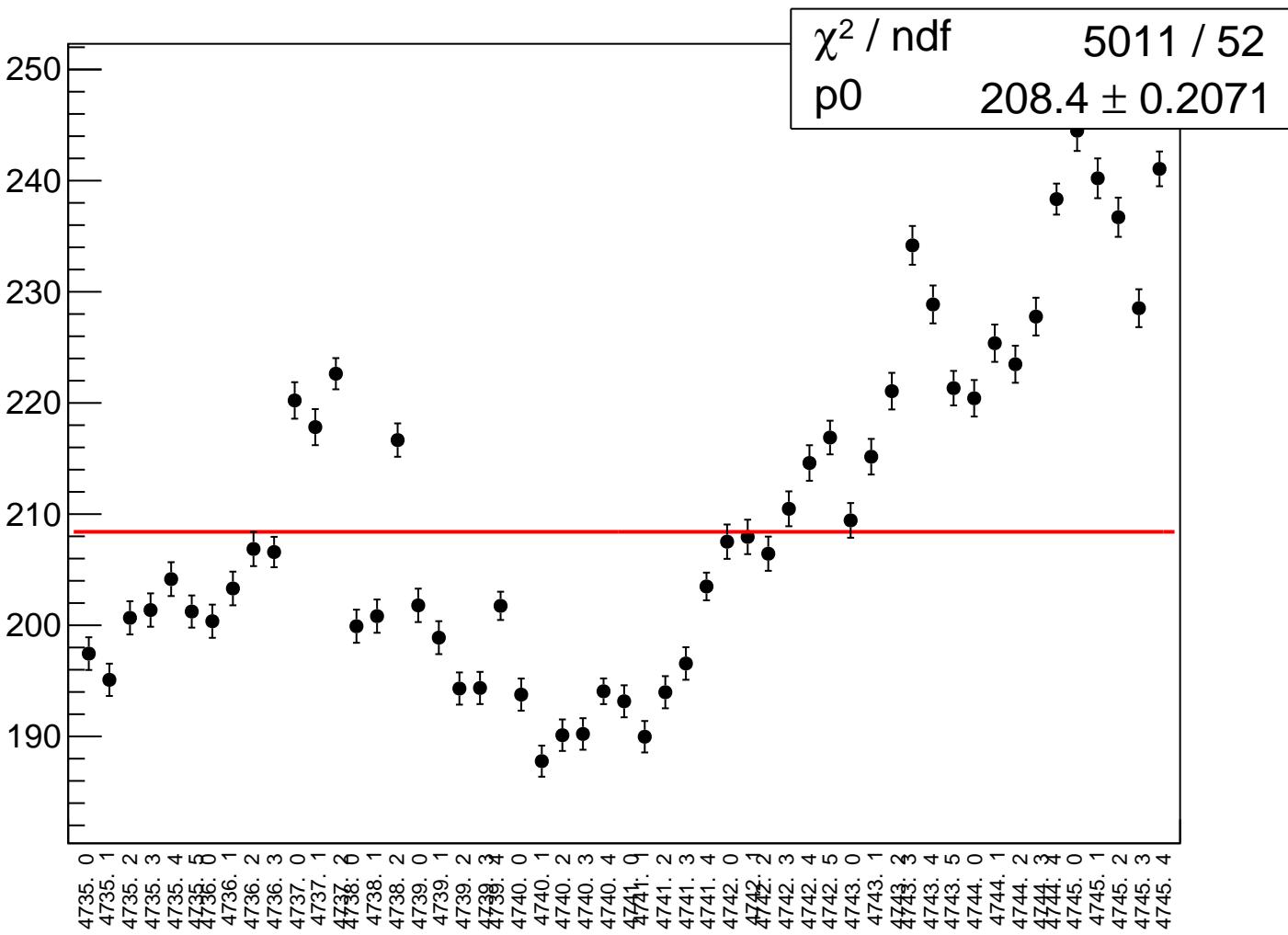
$\chi^2 / \text{ndf}$  4.758e+04 / 52  
p0  $21.88 \pm 0.02221$



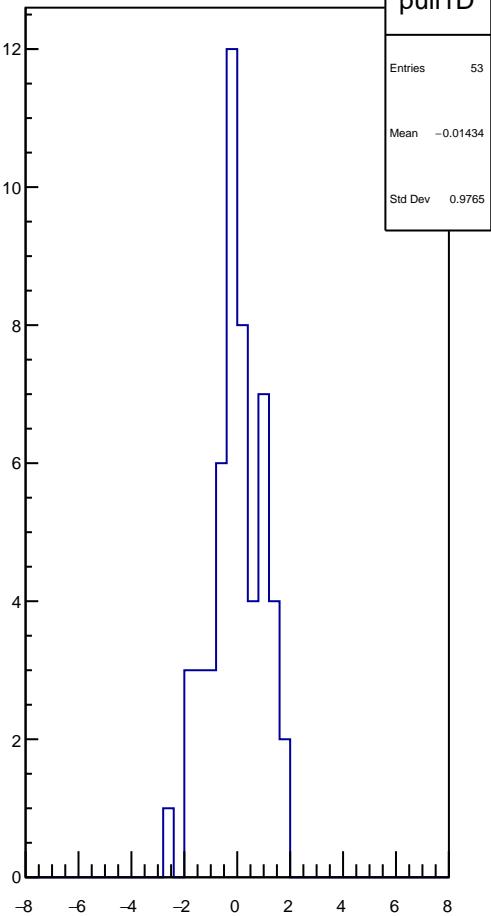
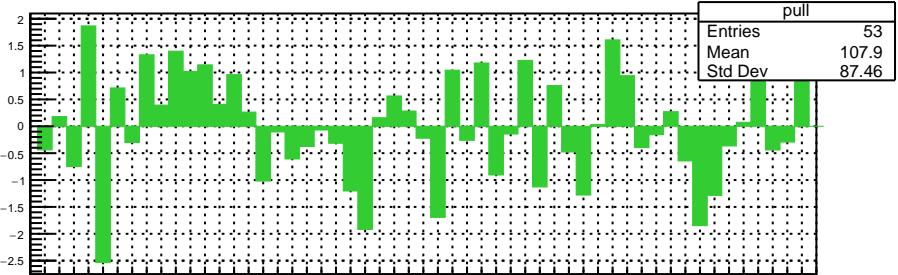
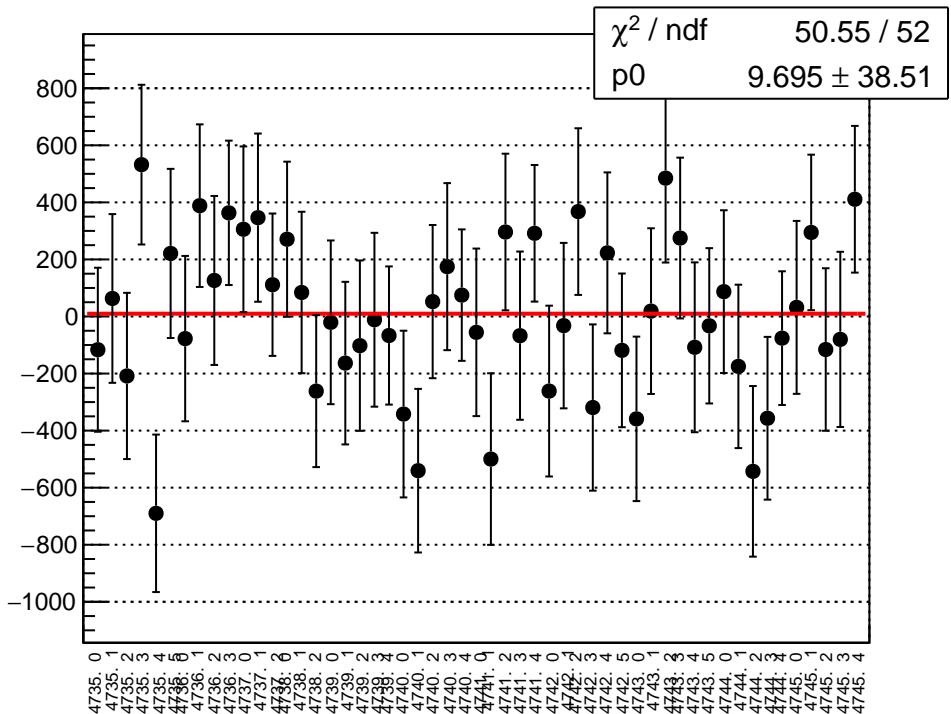
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_mean vs run



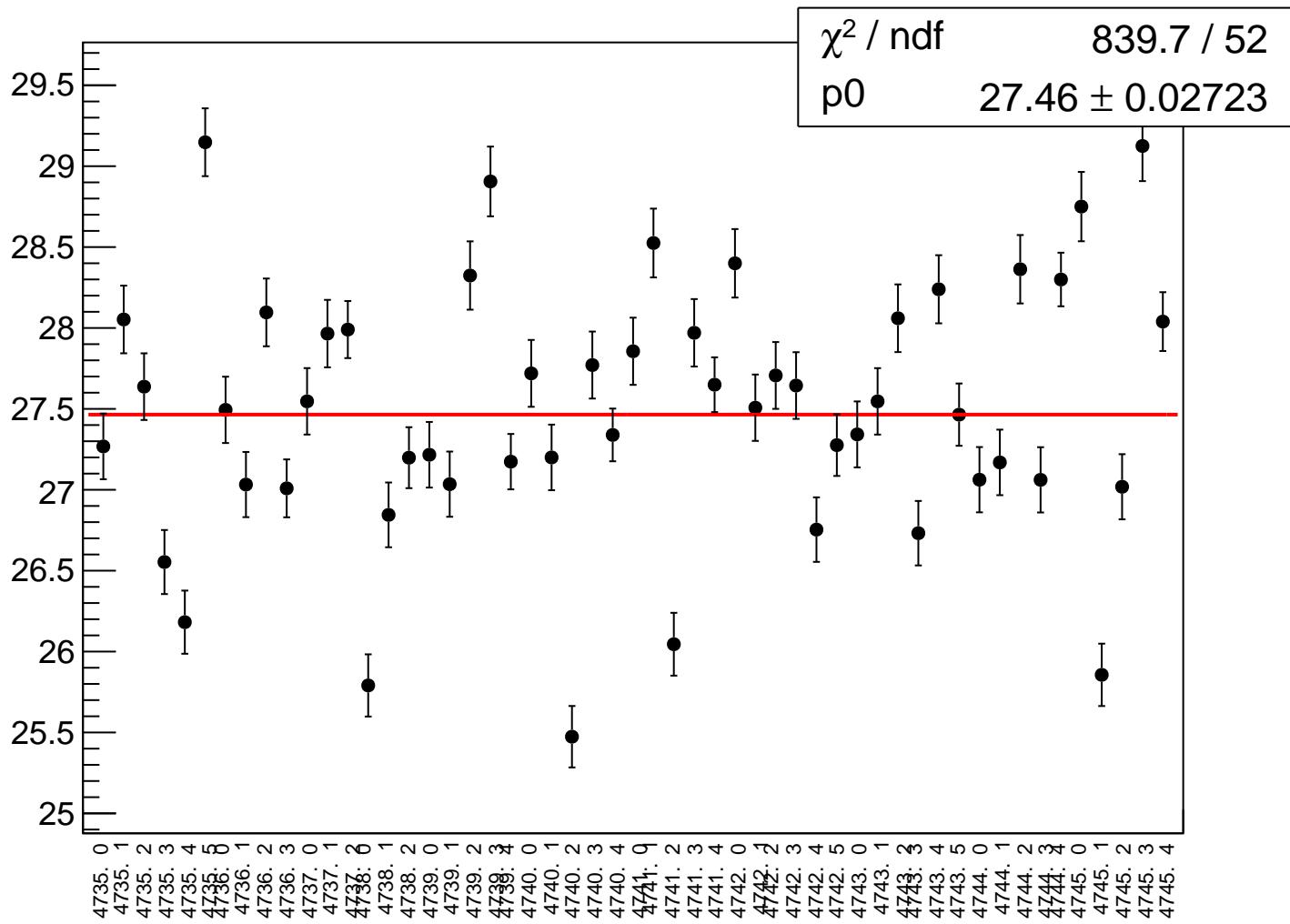
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_rms vs run

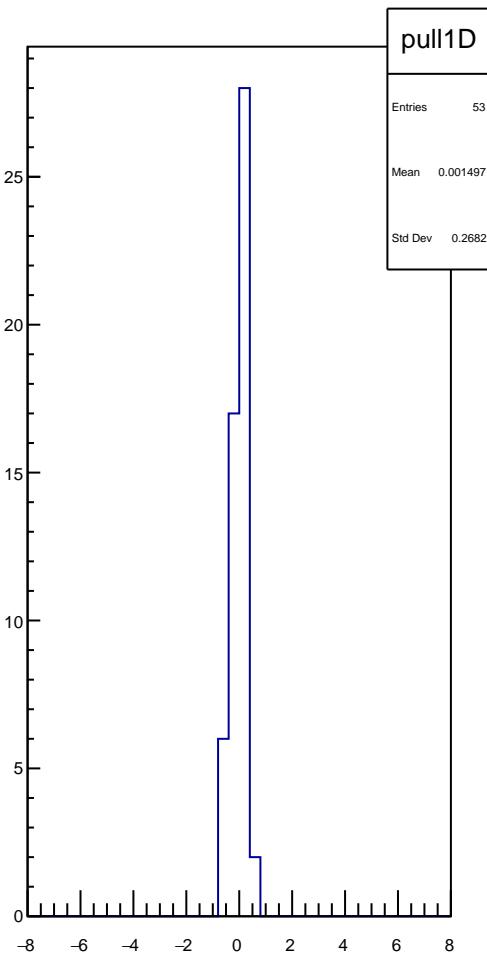
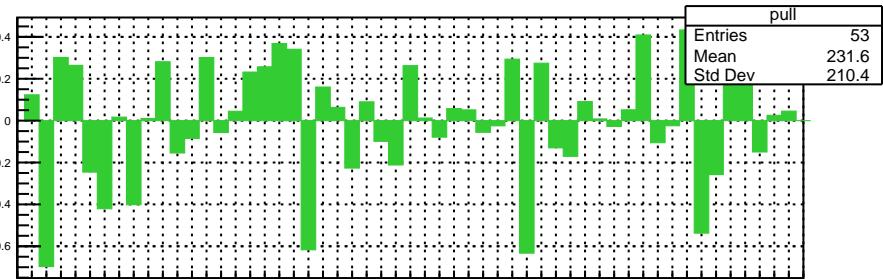
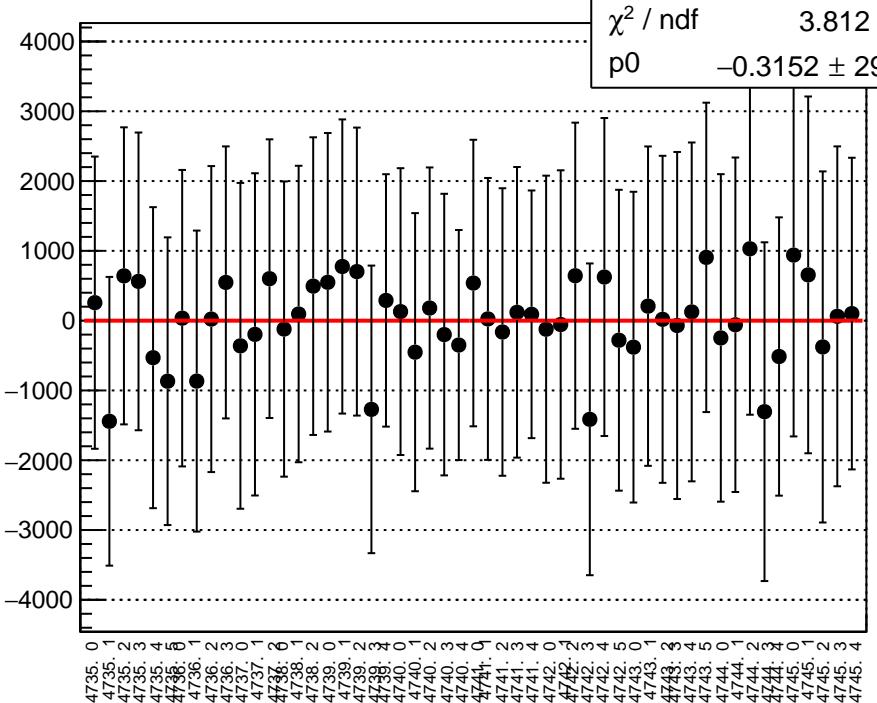


# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_mean vs run



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





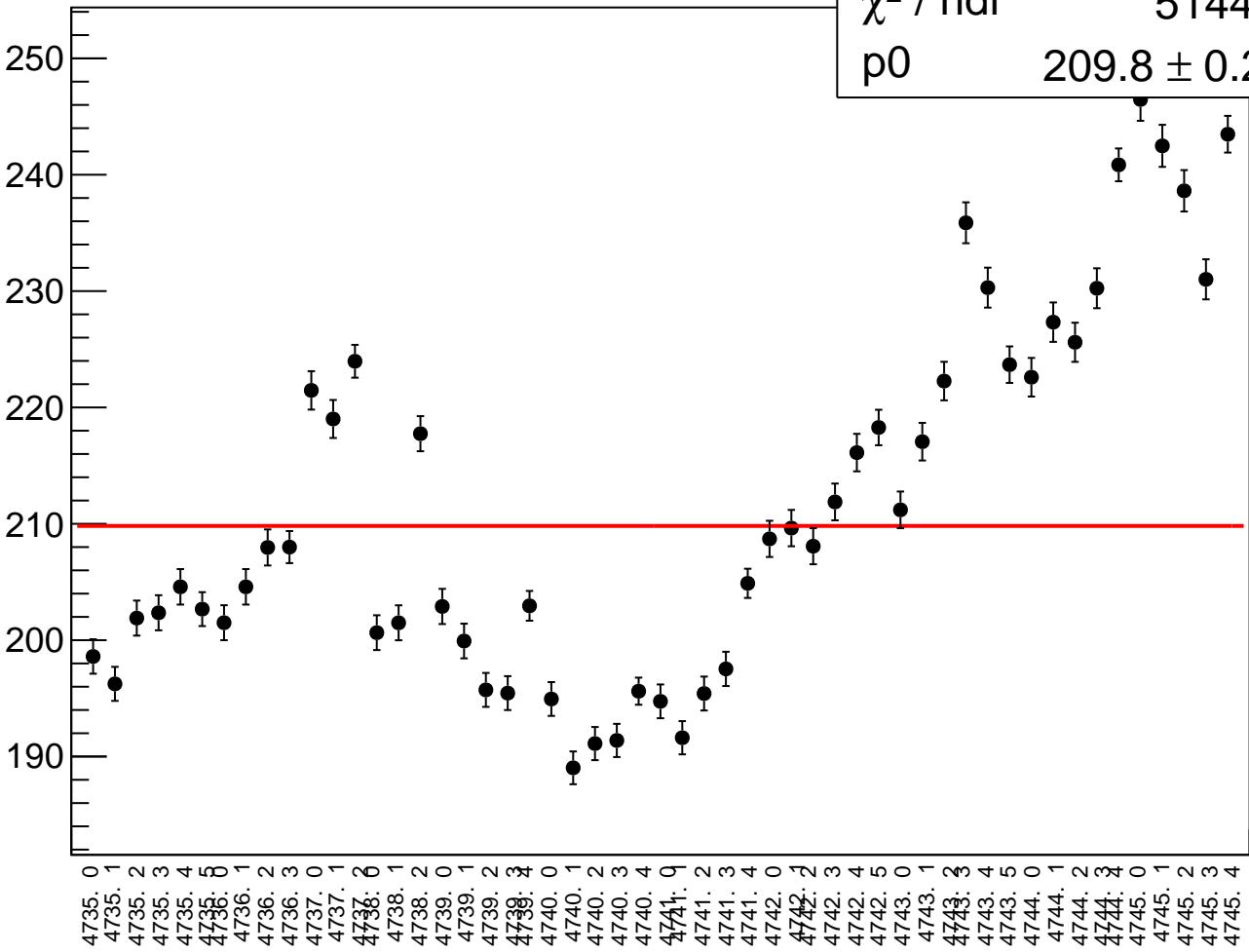
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_rms vs run

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

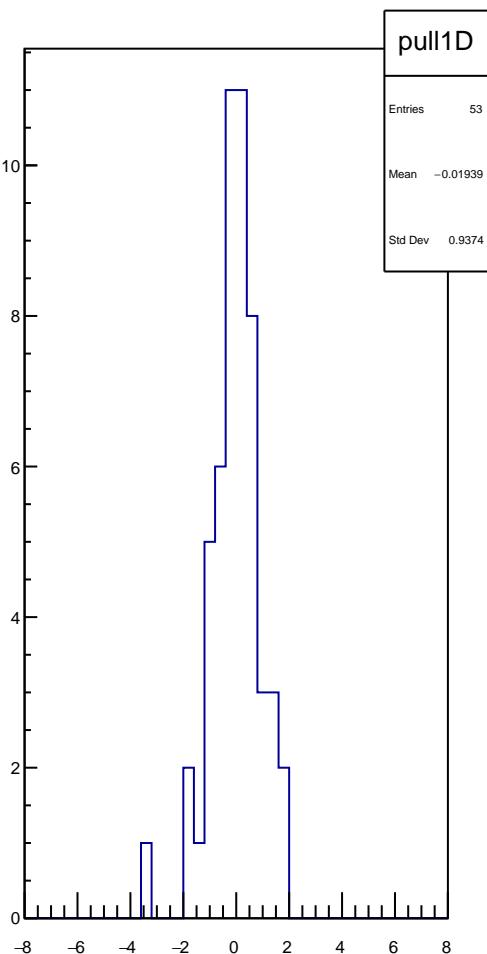
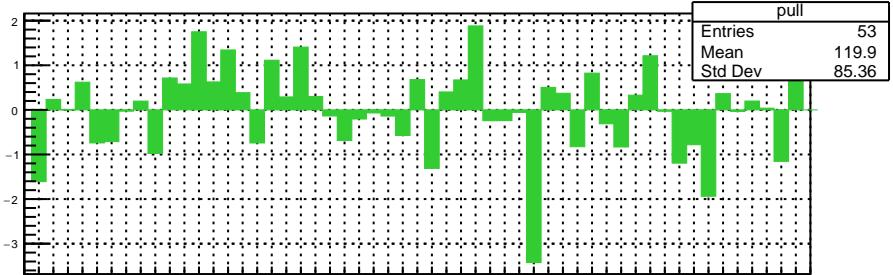
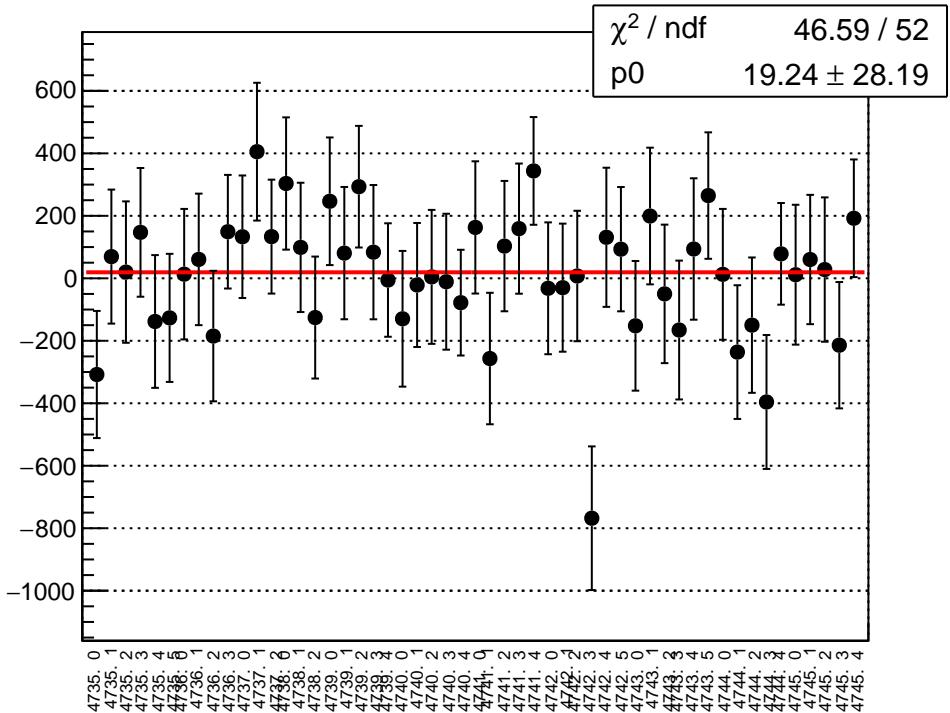
5144 / 52

p0

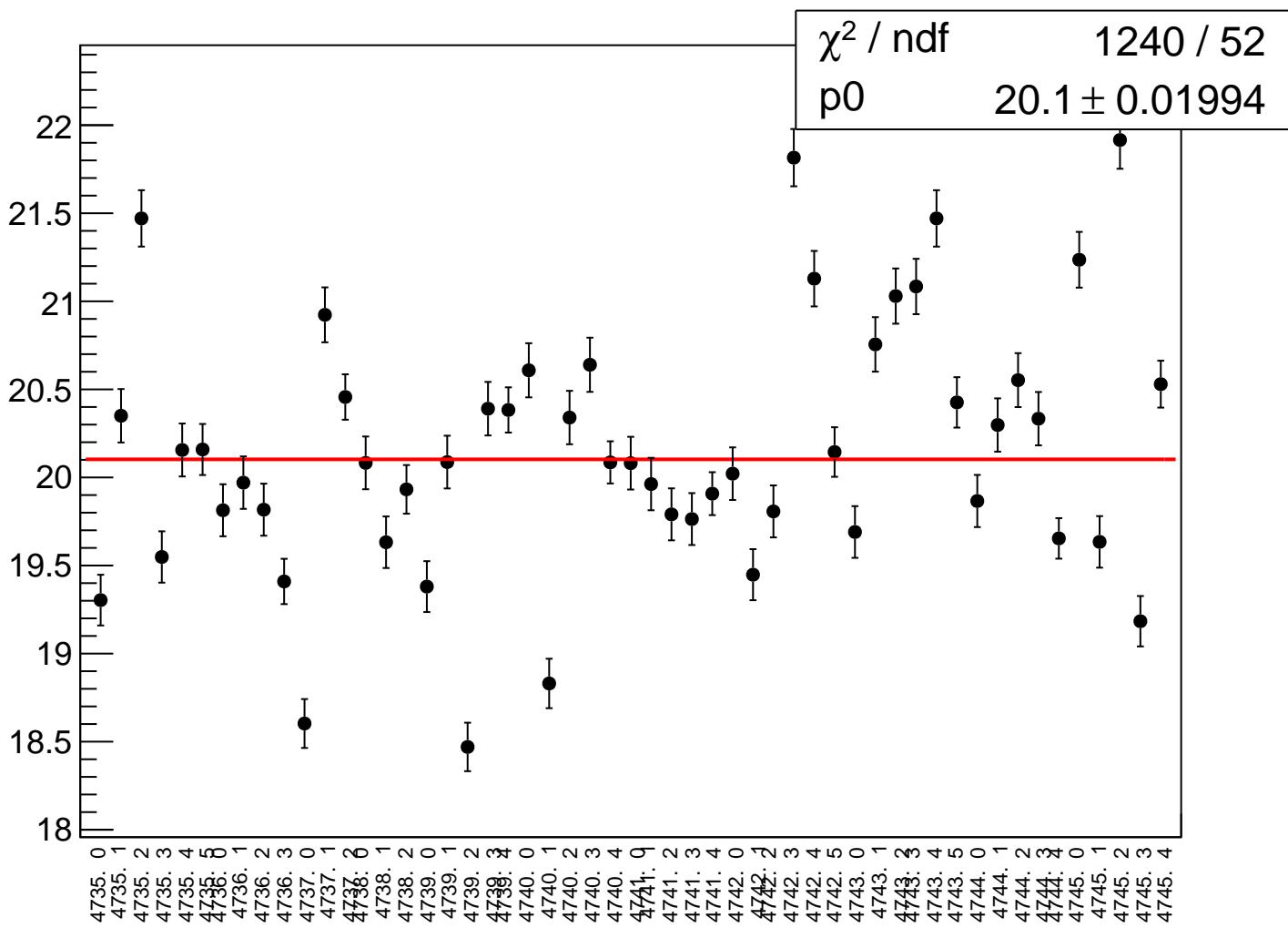
$209.8 \pm 0.2085$



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

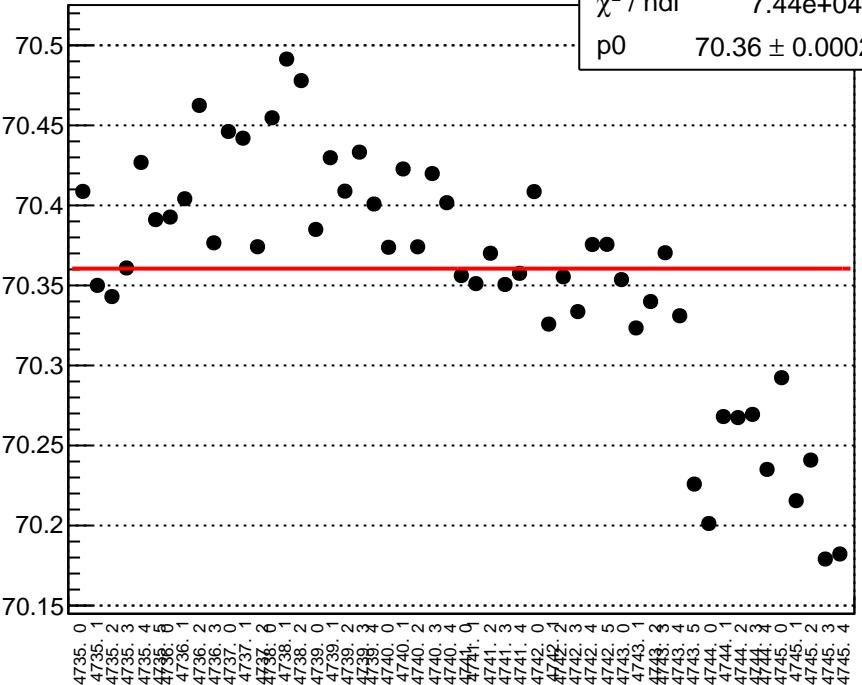


# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_rms vs run

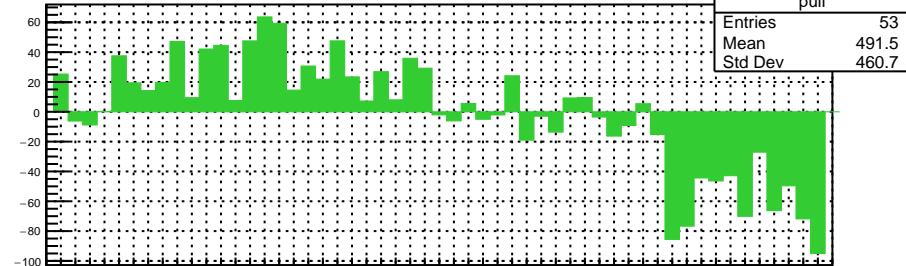




$\chi^2 / \text{ndf}$  7.44e+04 / 52  
p0  $70.36 \pm 0.0002571$

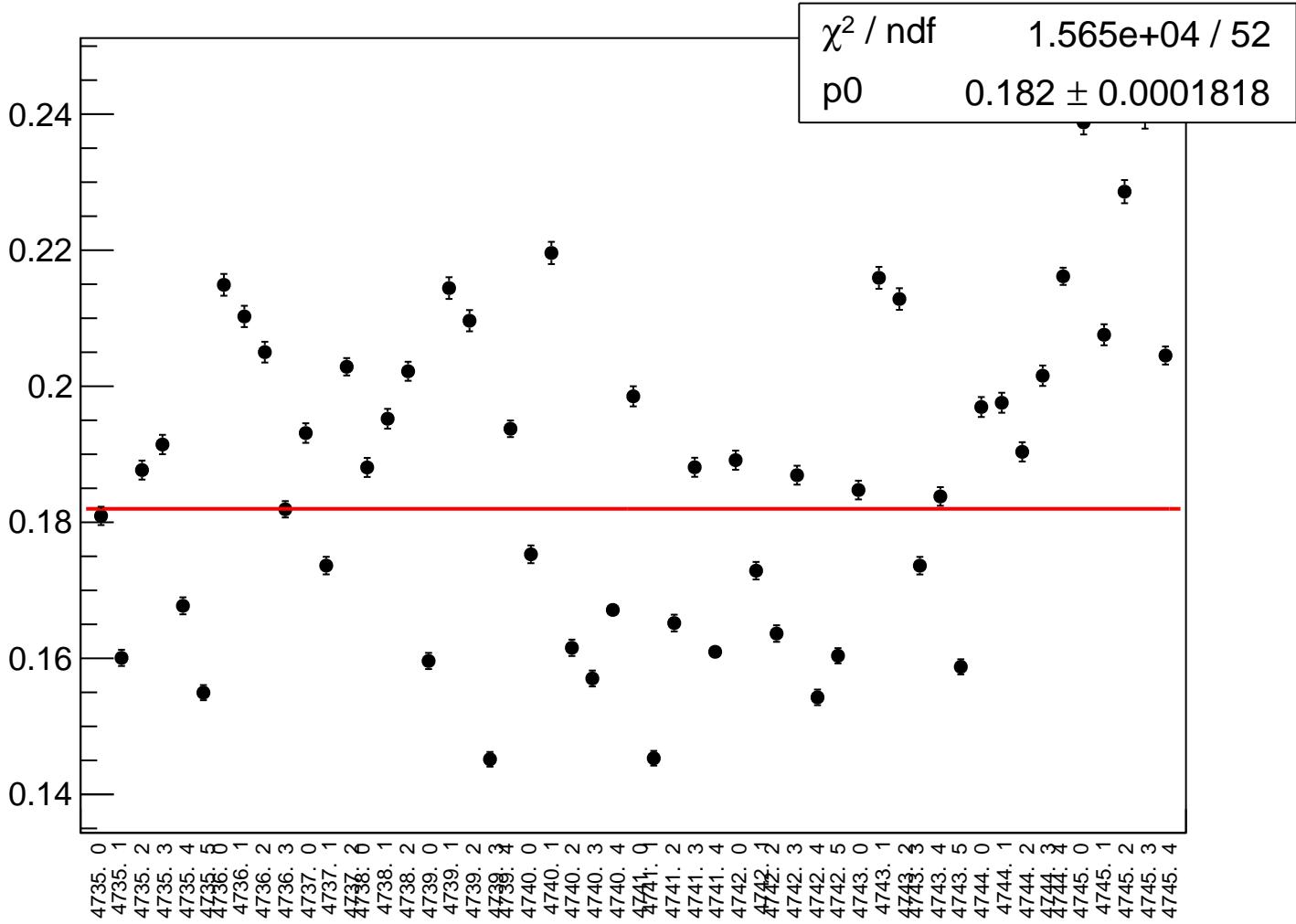


	pull
Entries	53
Mean	491.5
Std Dev	460.7



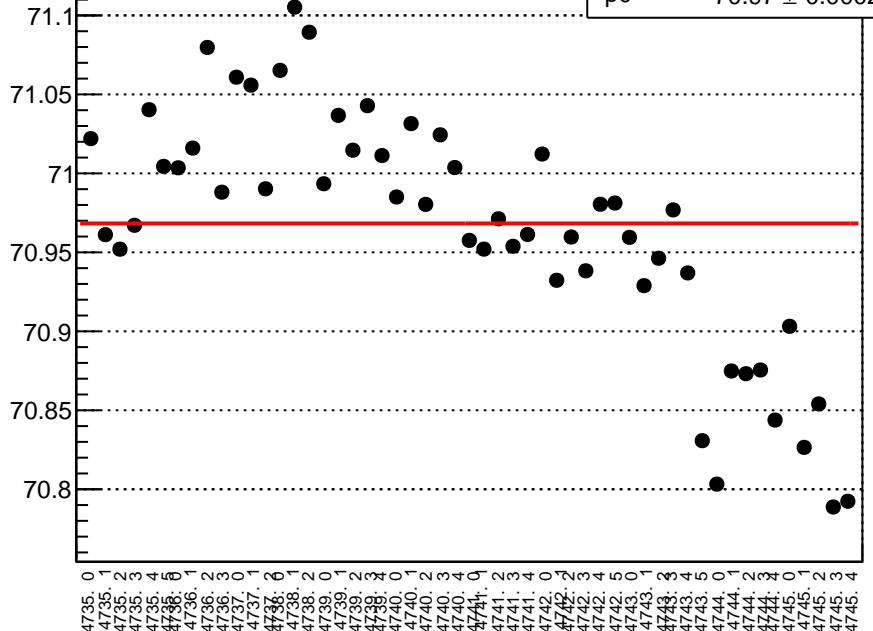
pull1D  
Entries 53  
Mean -0.1685  
Std Dev 4.998

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





$\chi^2 / \text{ndf}$  7.328e+04 / 52  
p0  $70.97 \pm 0.0002634$



pull

Entries	53
Mean	563.8
Std Dev	533.5

pull1D

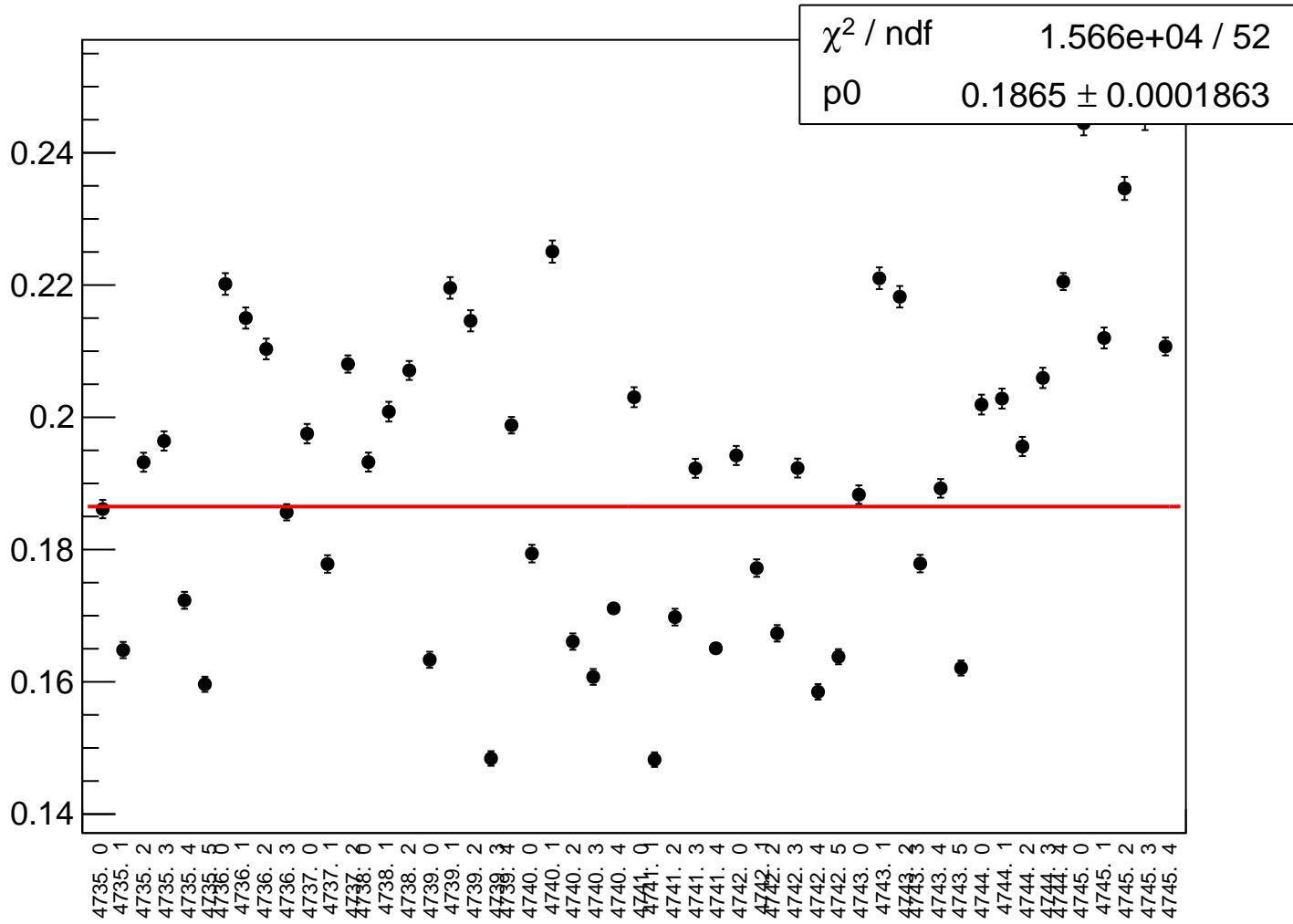
Entries 53

Mean -0.8064

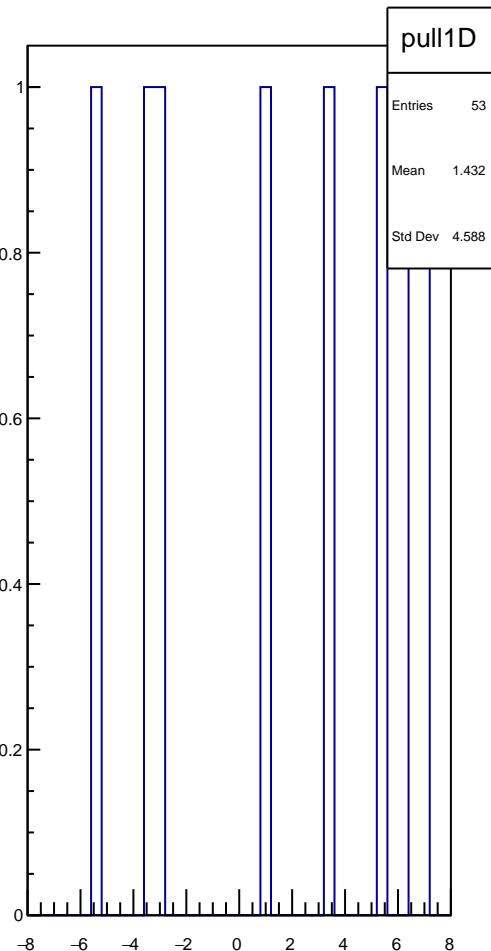
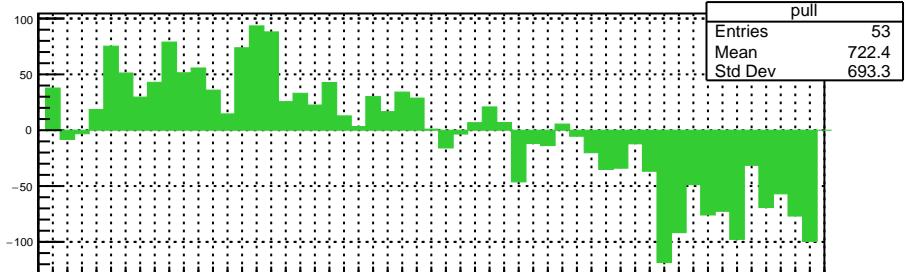
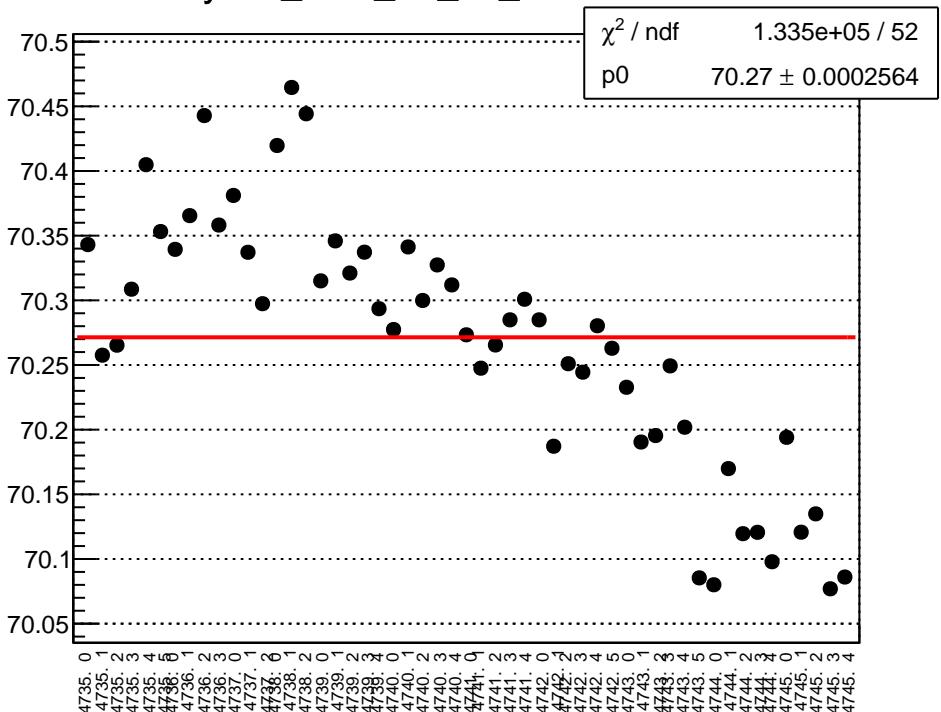
Std Dev 5.572

The figure shows a histogram of the pull1D distribution. The x-axis ranges from -8 to 8 with major ticks every 2 units. The y-axis ranges from 0 to 3 with major ticks every 0.5 units. The distribution is highly peaked at -4, with a height of approximately 3. There are also smaller peaks at integer values 0, 1, 2, 3, 4, and 5, each reaching a height of 1. The distribution is centered around -0.8064.

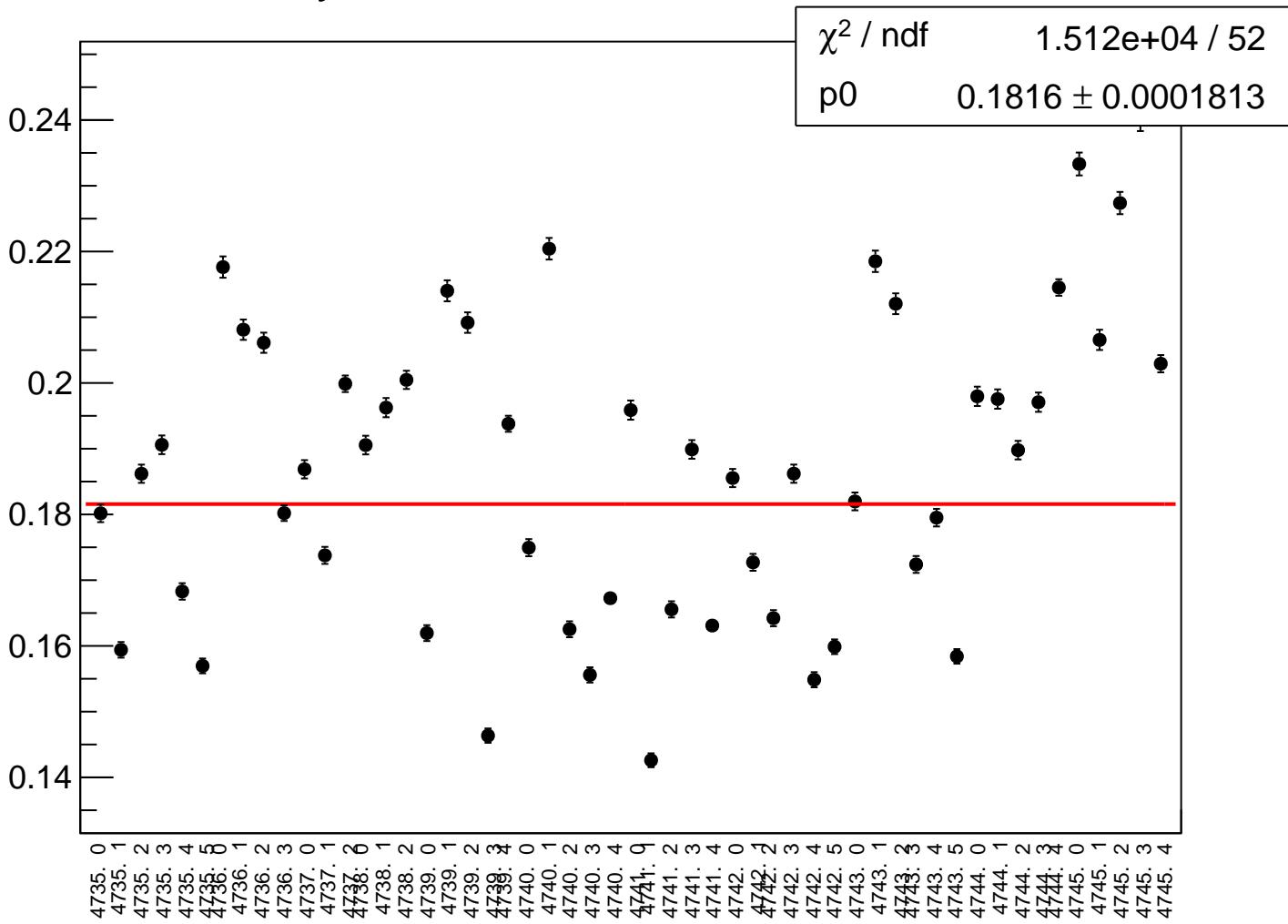
# yield\_bcm\_an\_ds3\_rms vs run



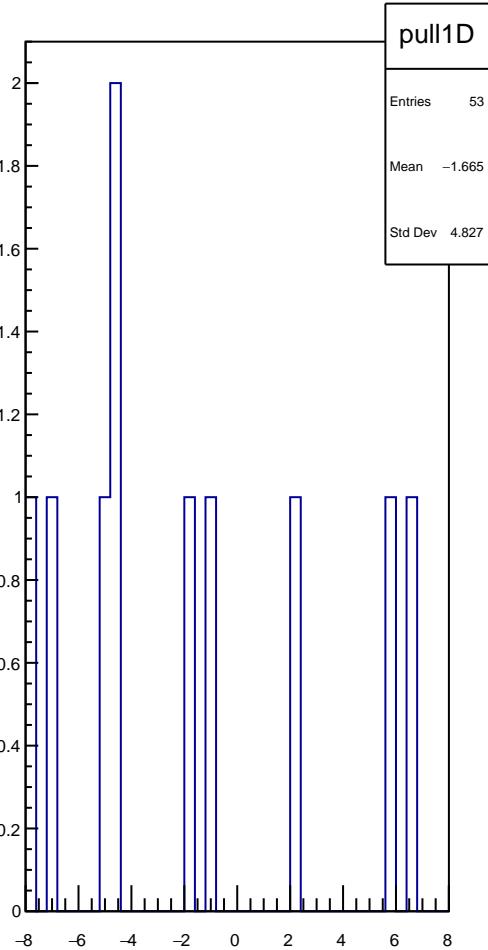
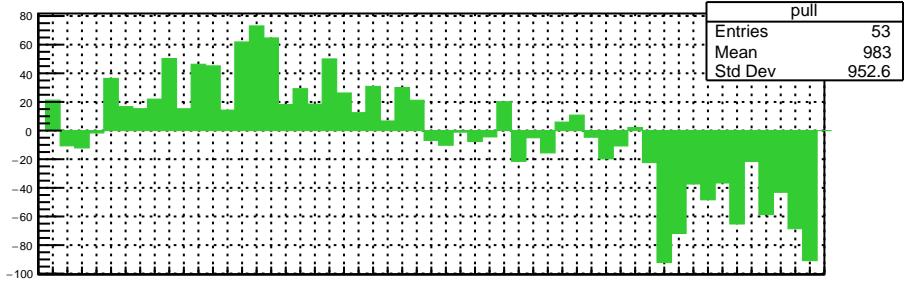
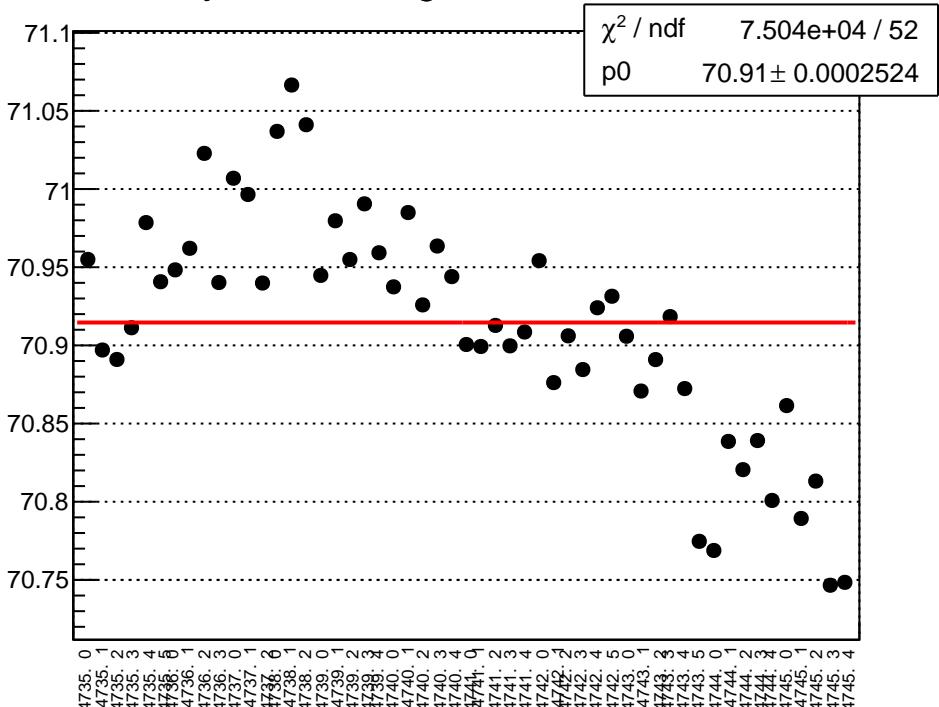
# yield\_bcm\_an\_us\_mean vs run



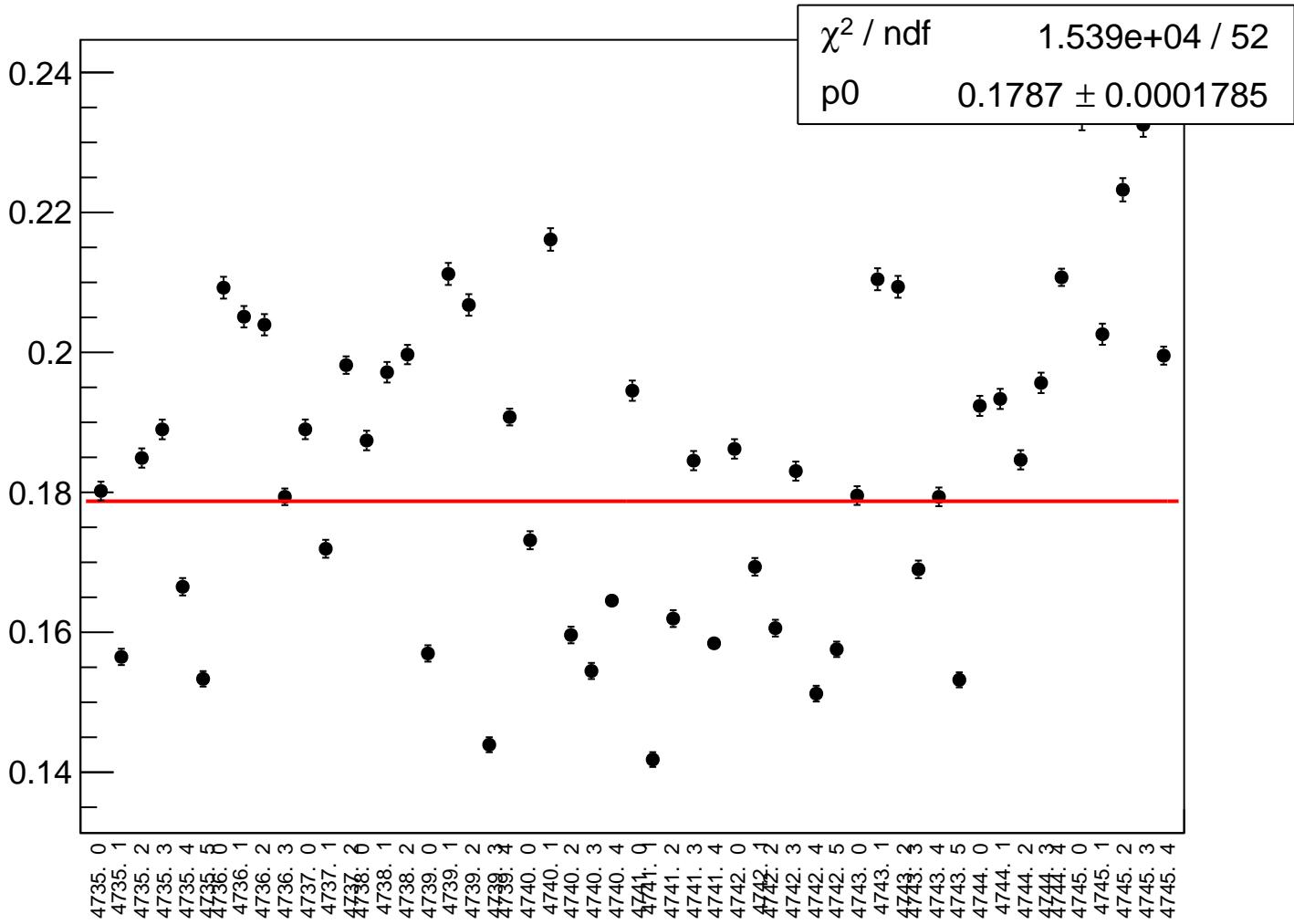
# yield\_bcm\_an\_us\_rms vs run



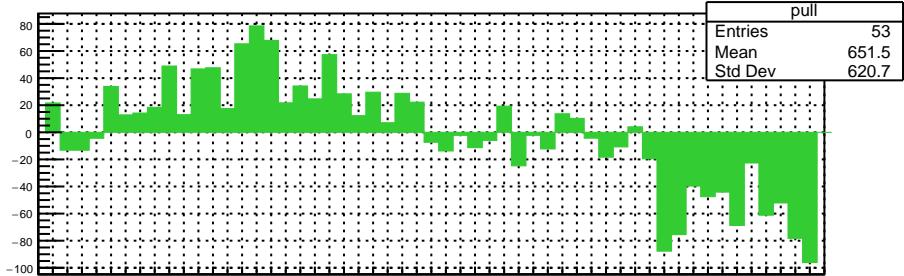
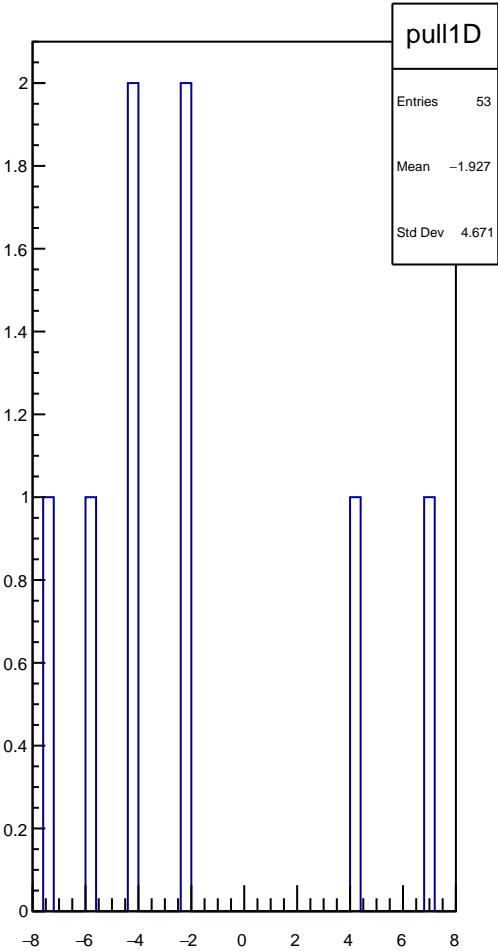
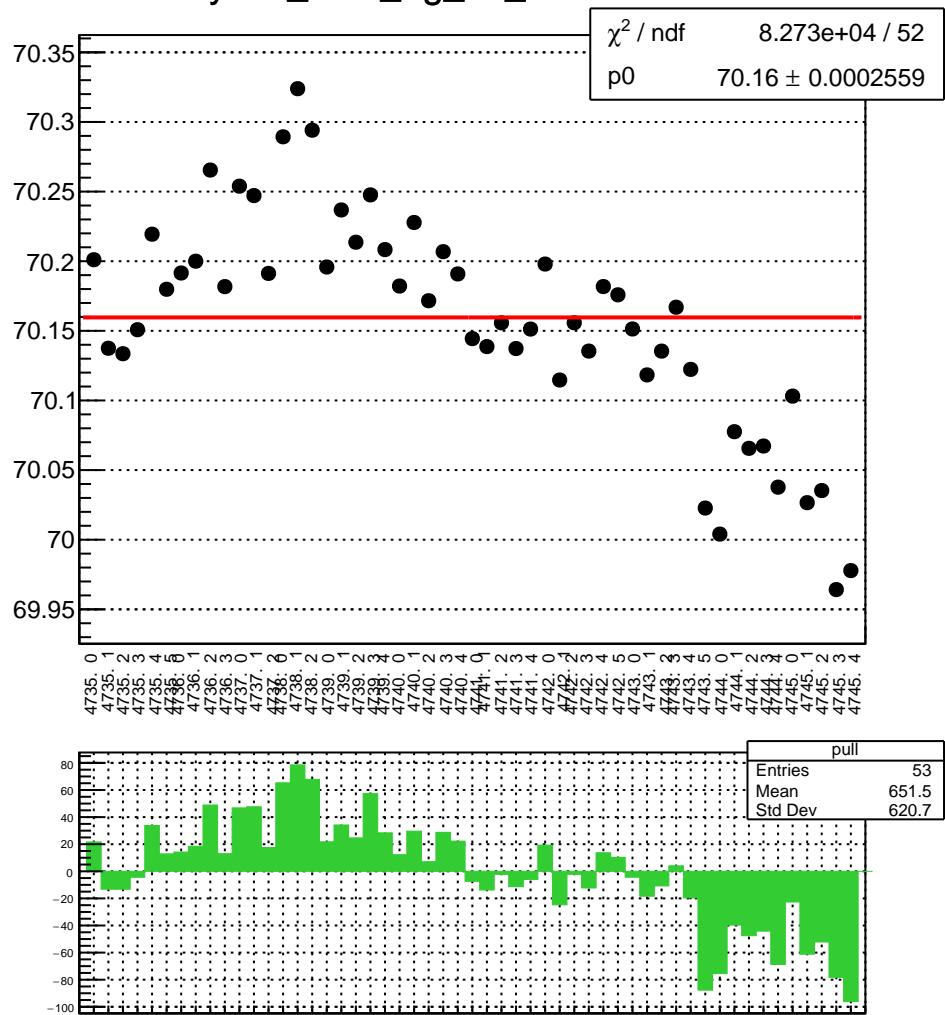
# yield\_bcm\_dg\_us\_mean vs run



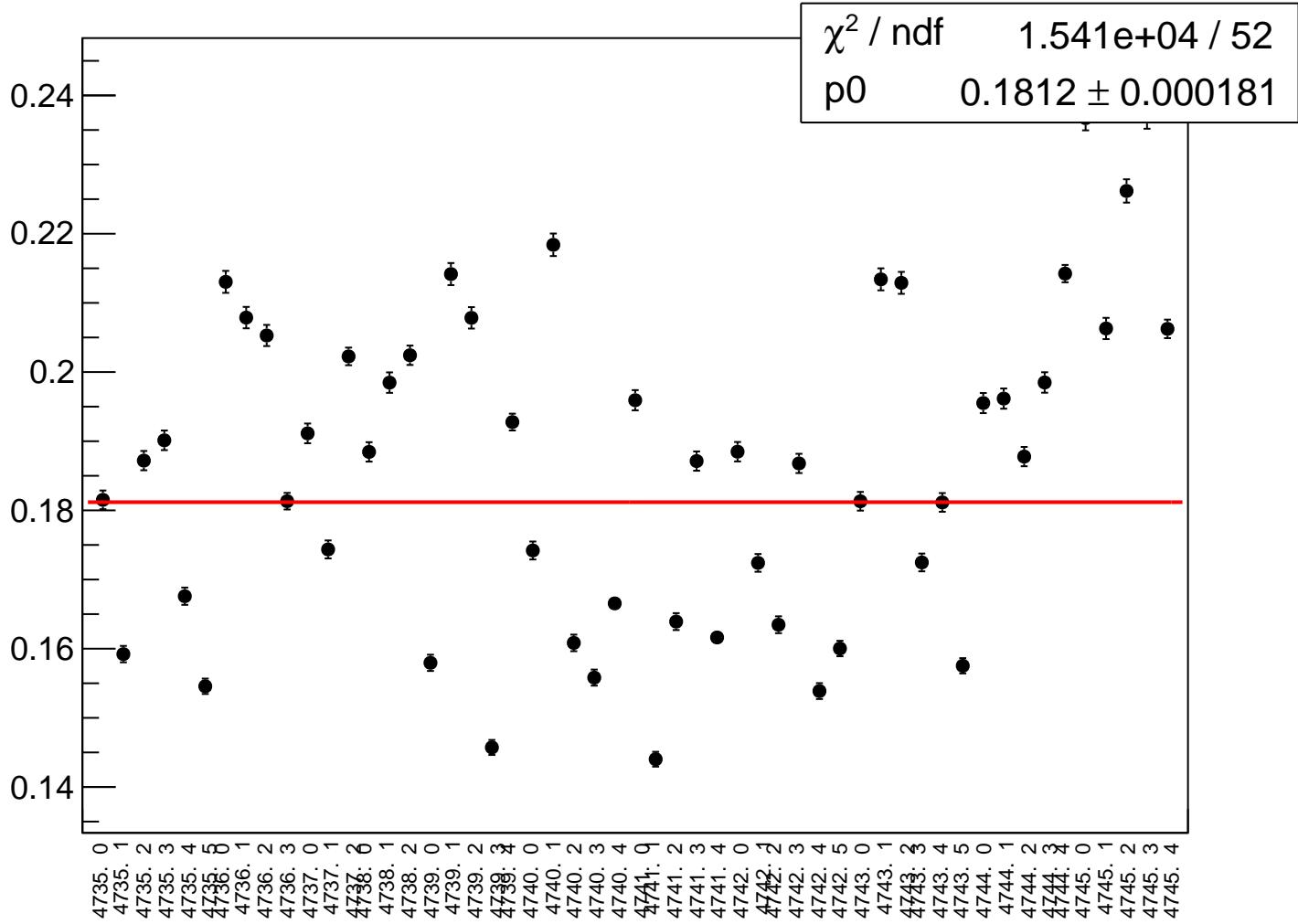
# yield\_bcm\_dg\_us\_rms vs run



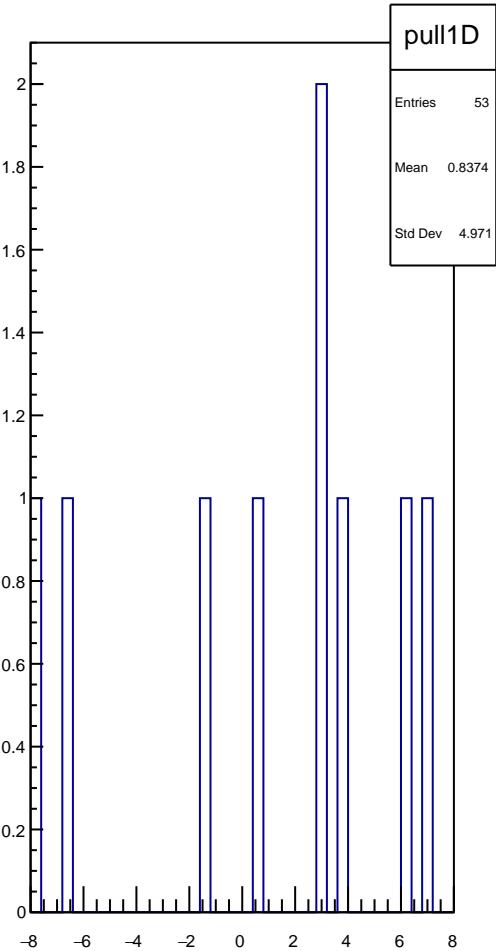
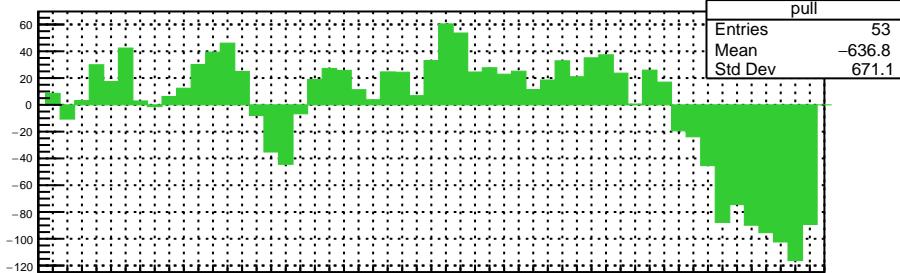
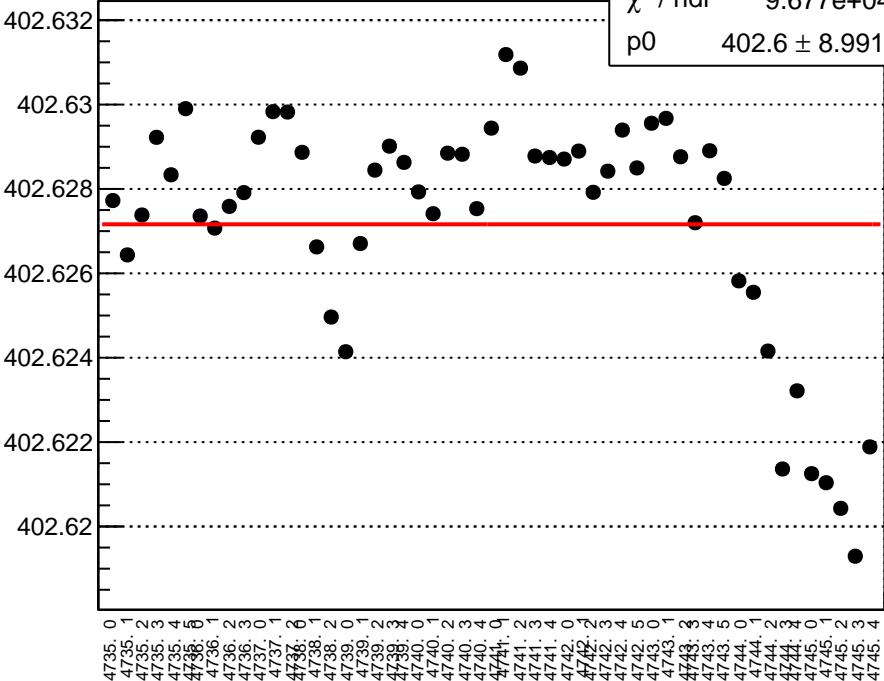
# yield\_bcm\_dg\_ds\_mean vs run



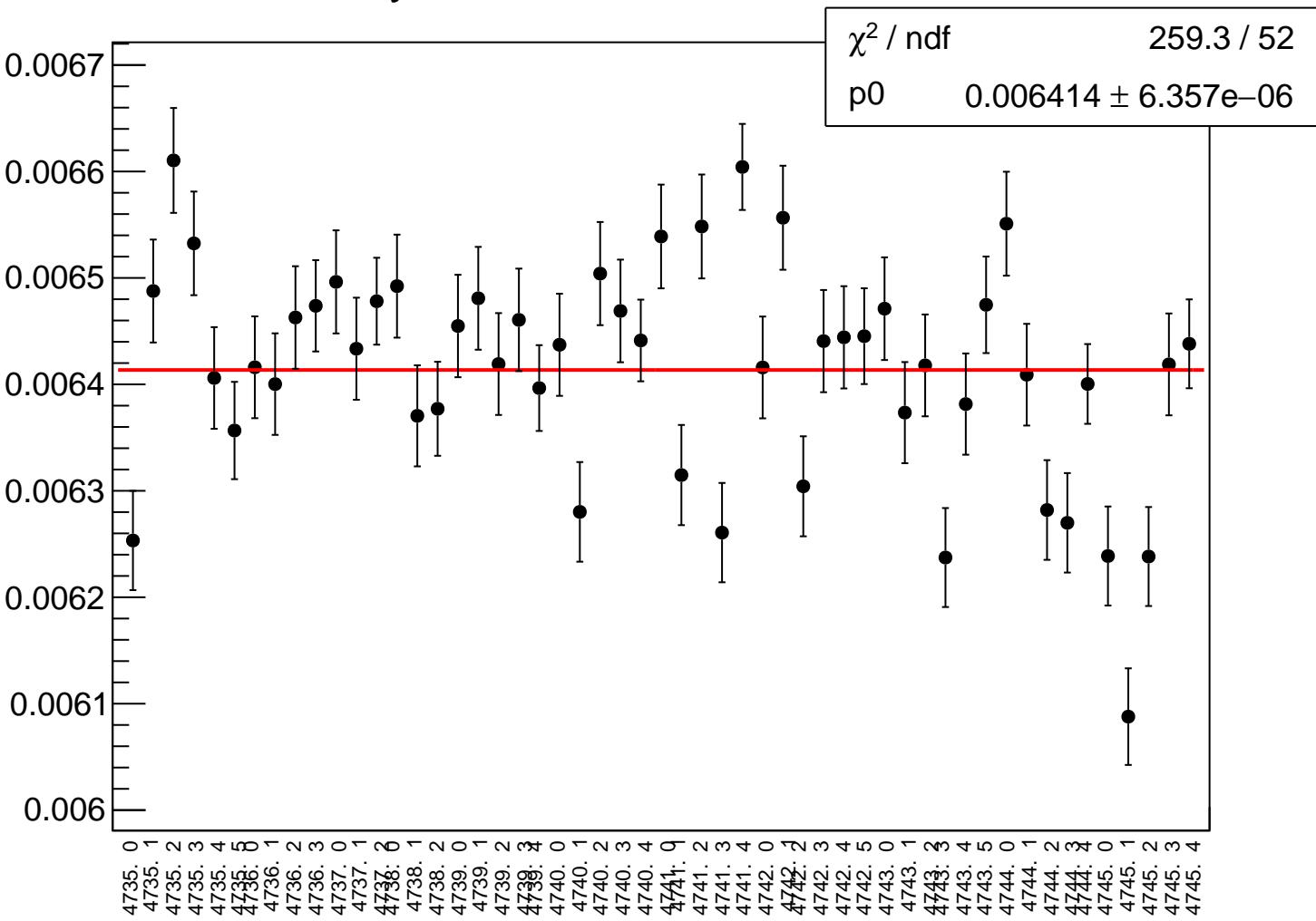
# yield\_bcm\_dg\_ds\_rms vs run



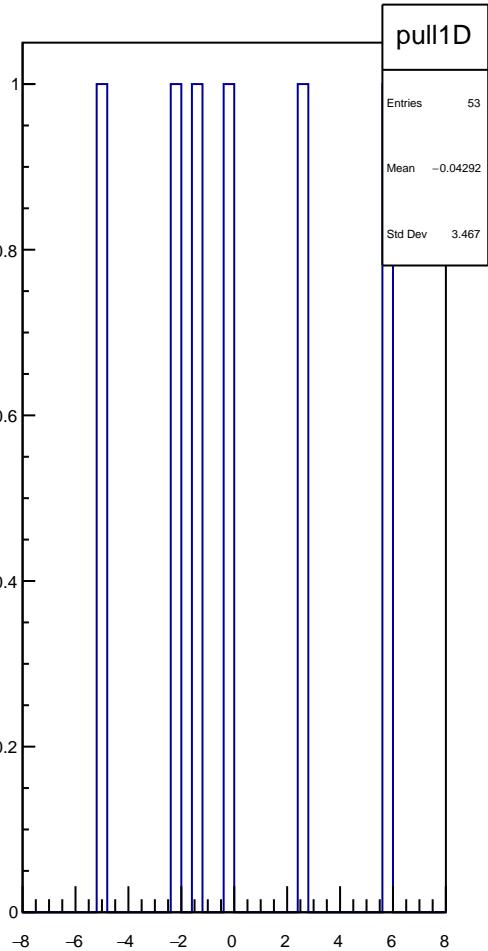
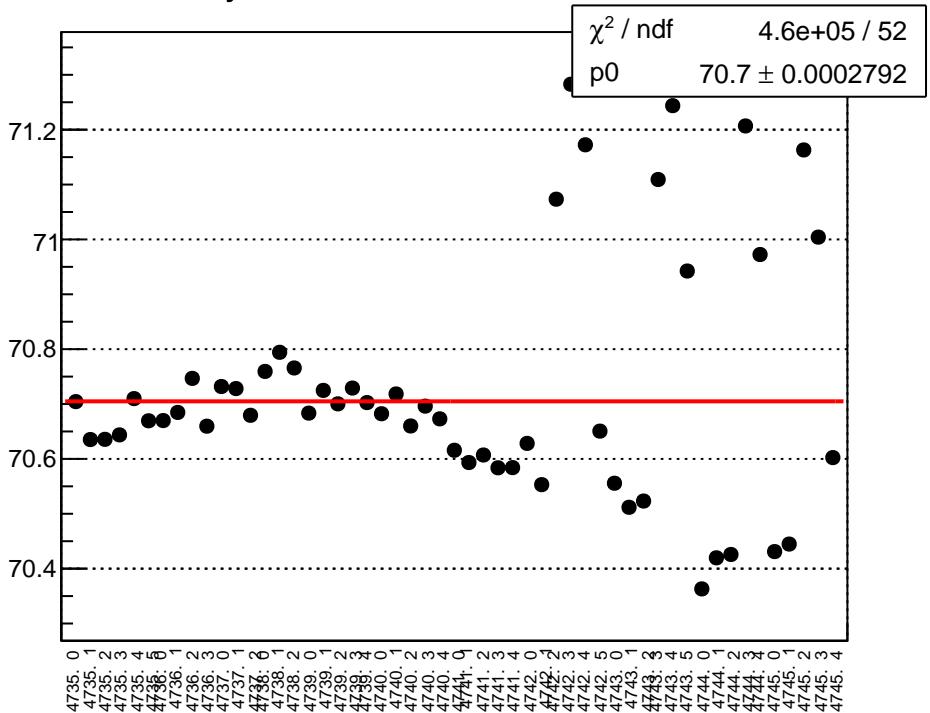
# yield\_cav4bQ\_mean vs run



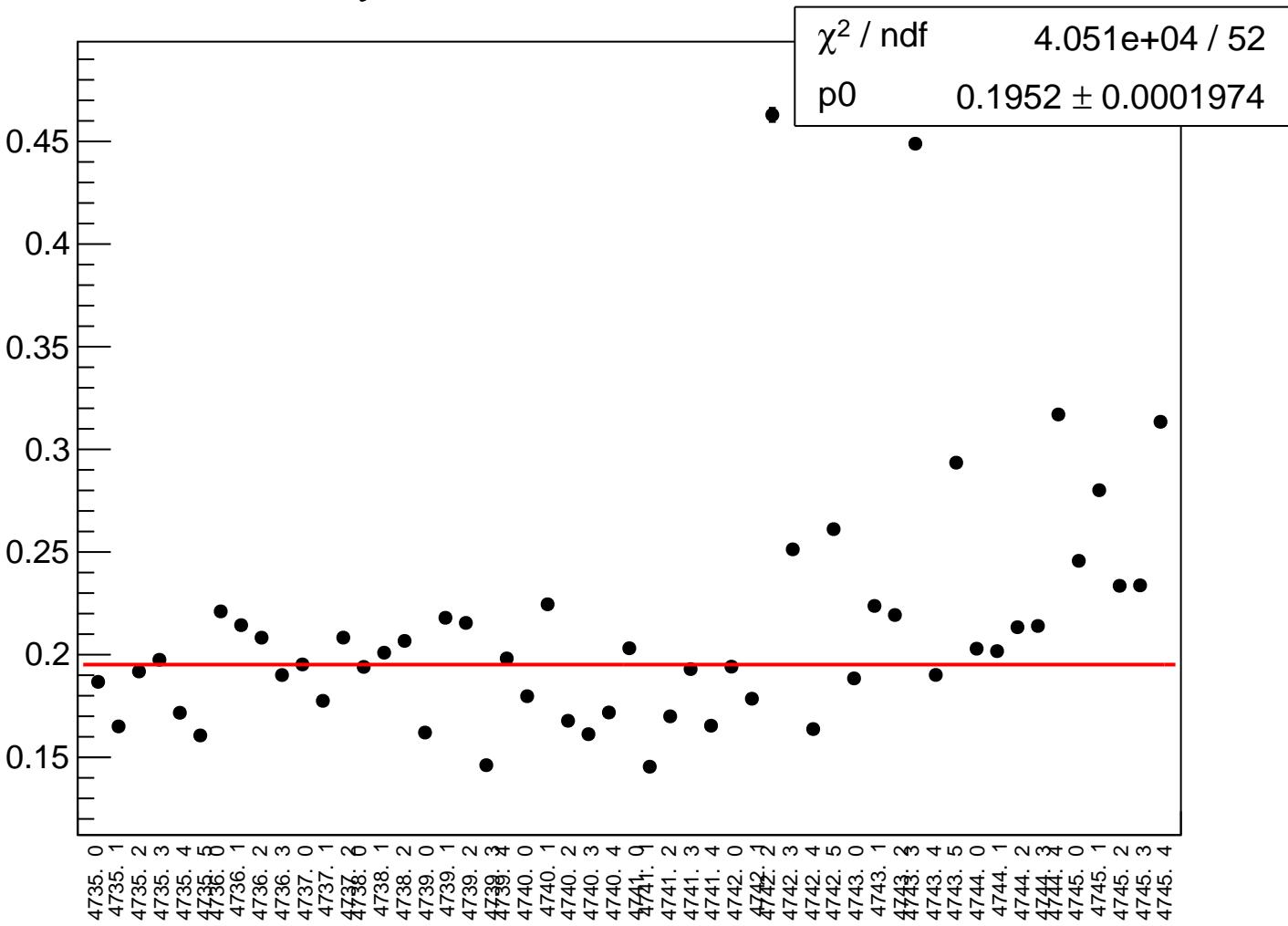
# yield\_cav4bQ\_rms vs run



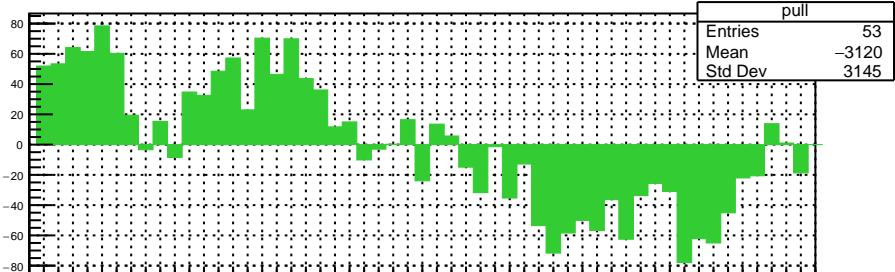
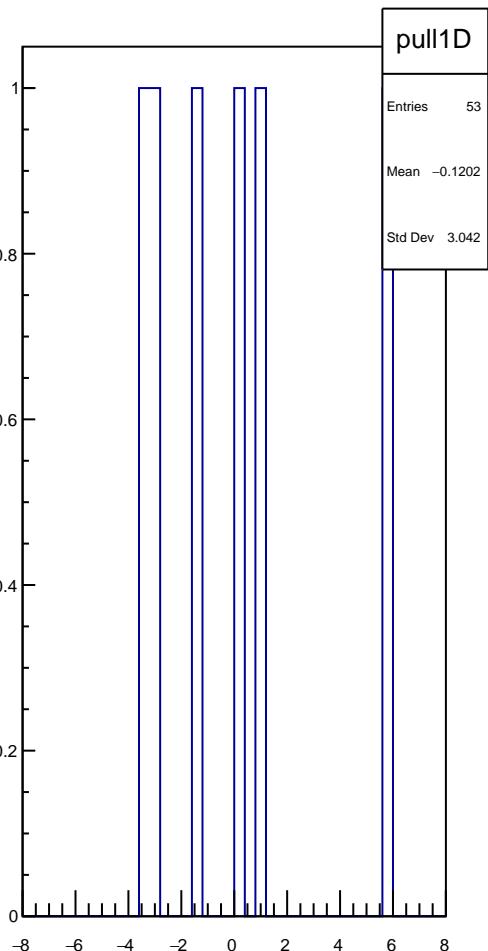
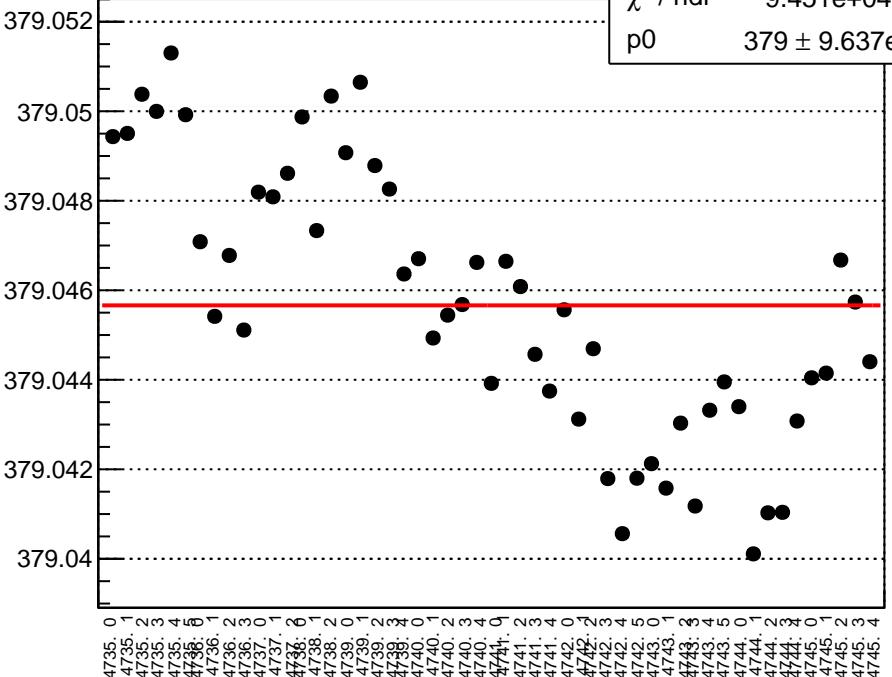
# yield\_cav4cQ\_mean vs run



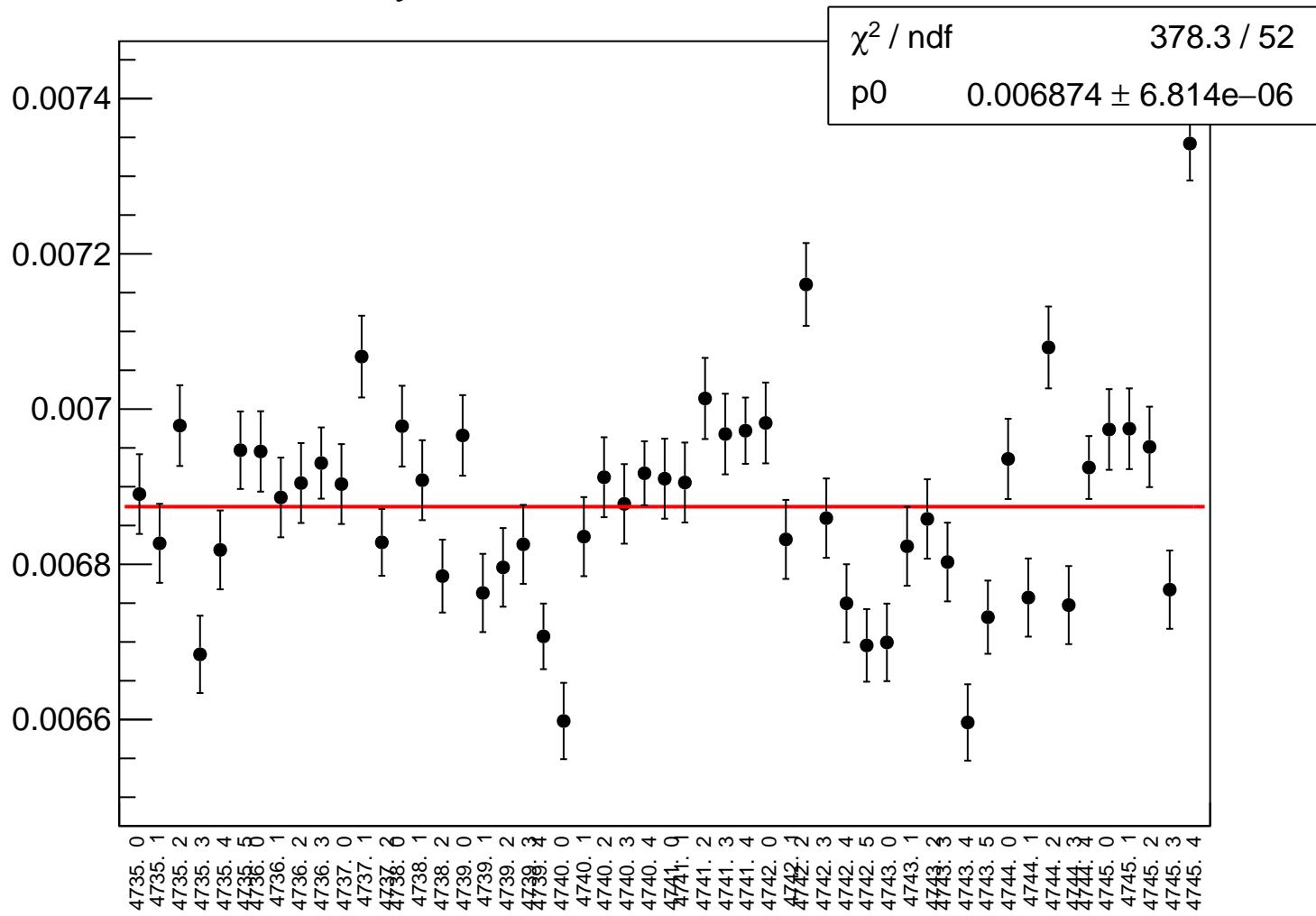
# yield\_cav4cQ\_rms vs run



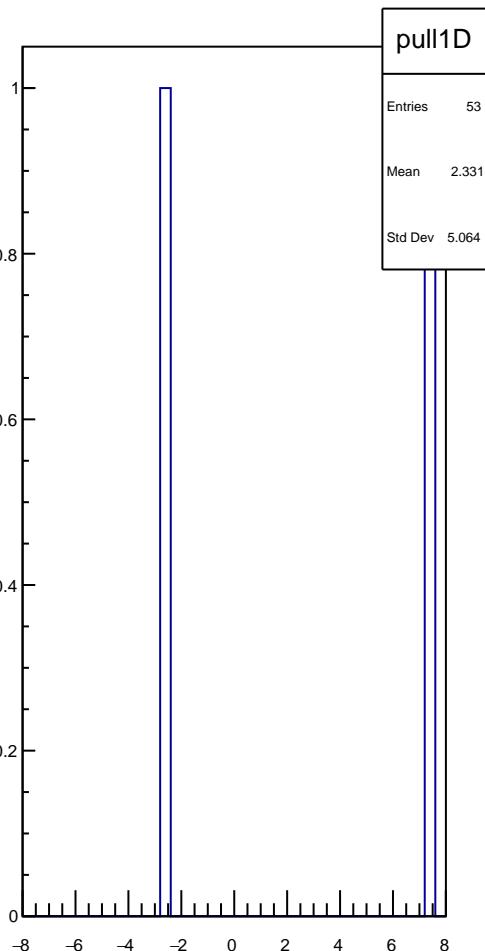
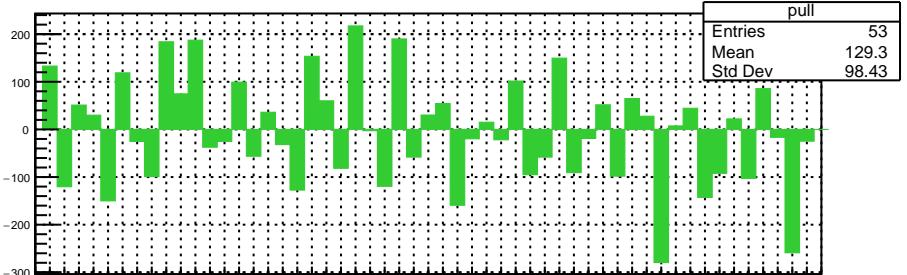
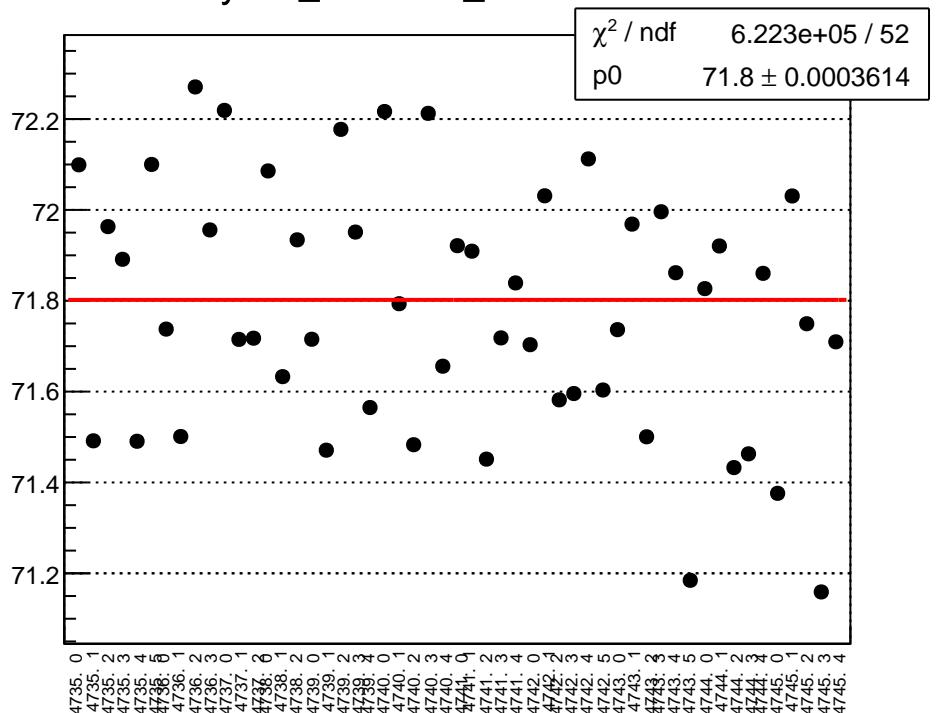
# yield\_cav4dQ\_mean vs run



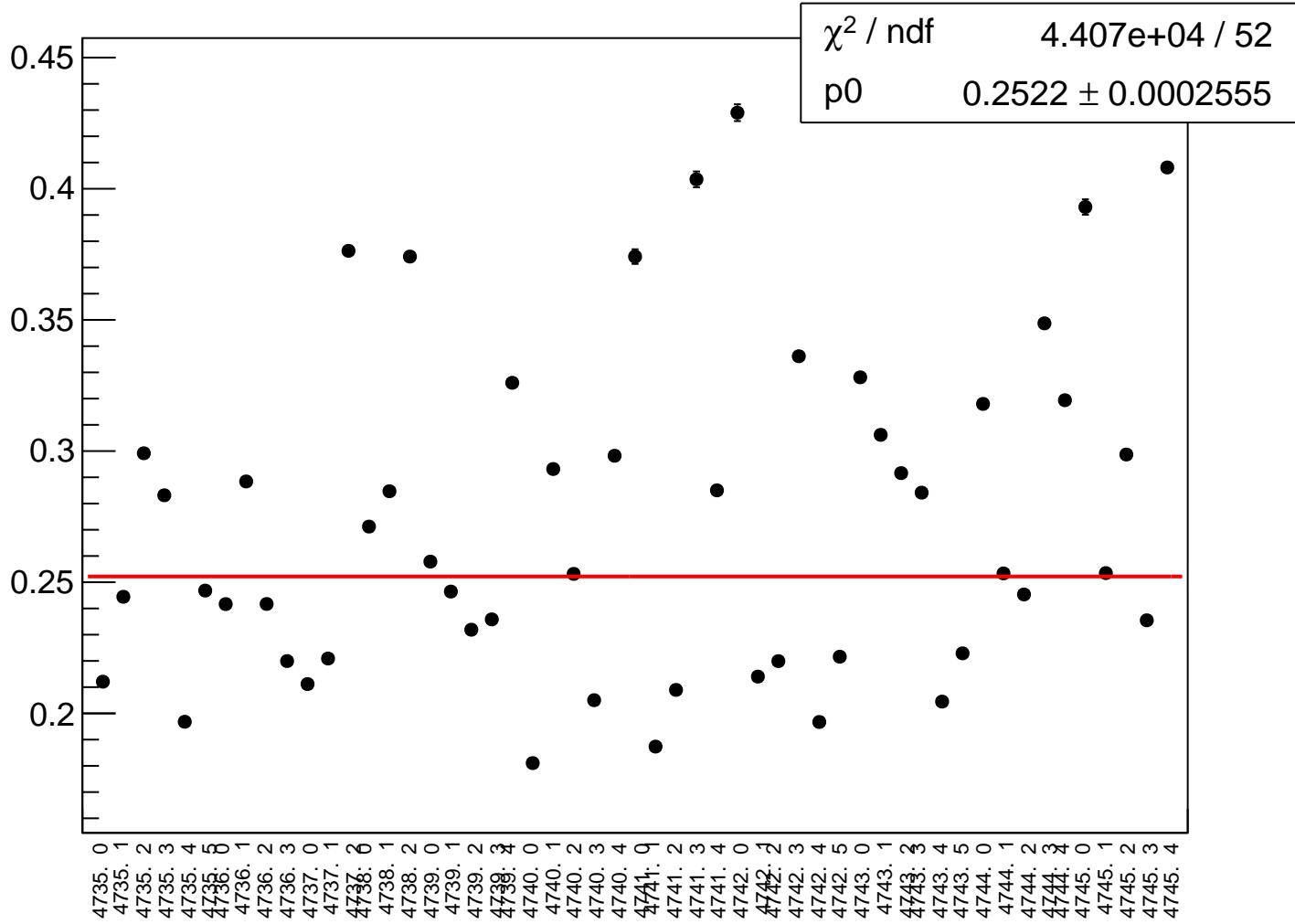
# yield\_cav4dQ\_rms vs run



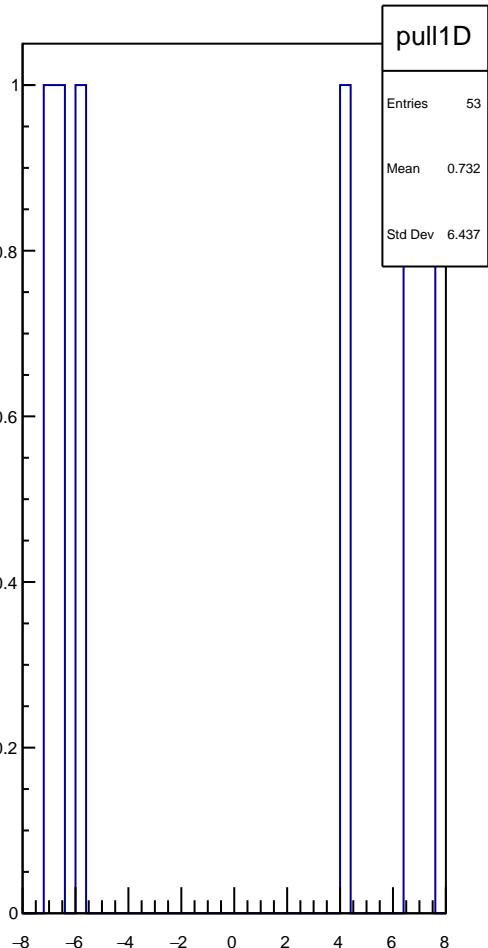
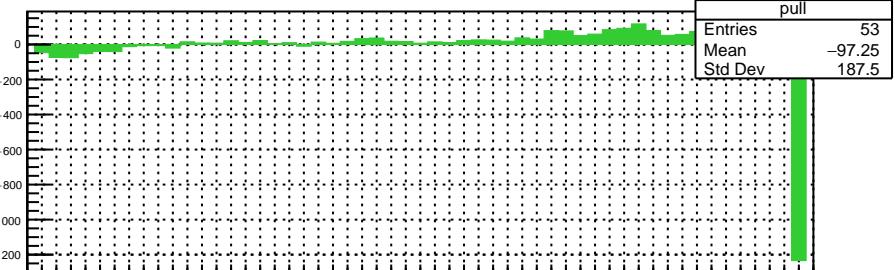
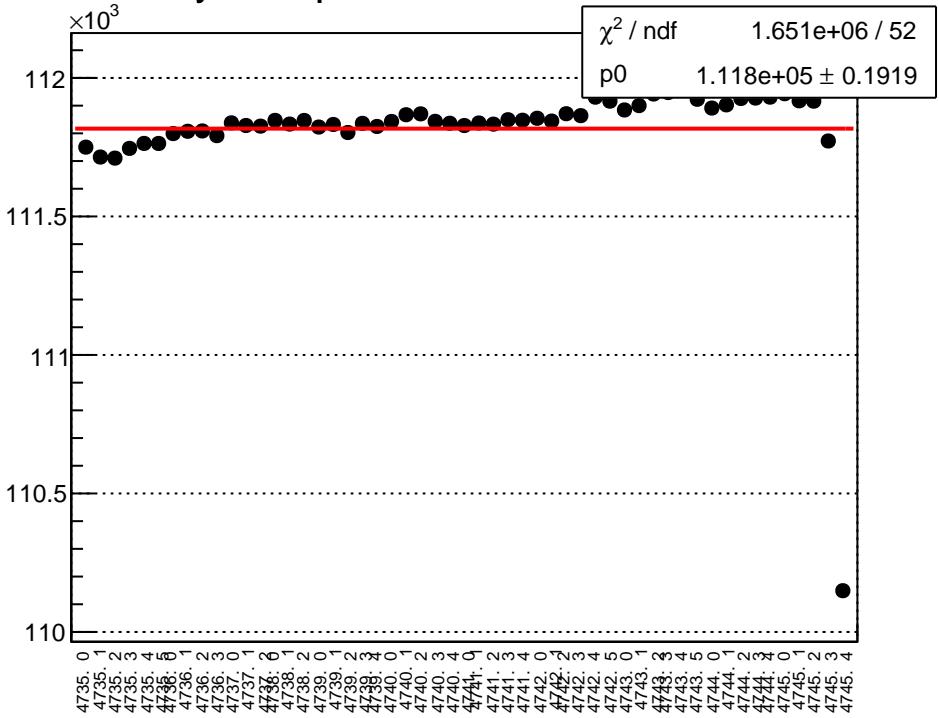
# yield\_bcm0l02\_mean vs run



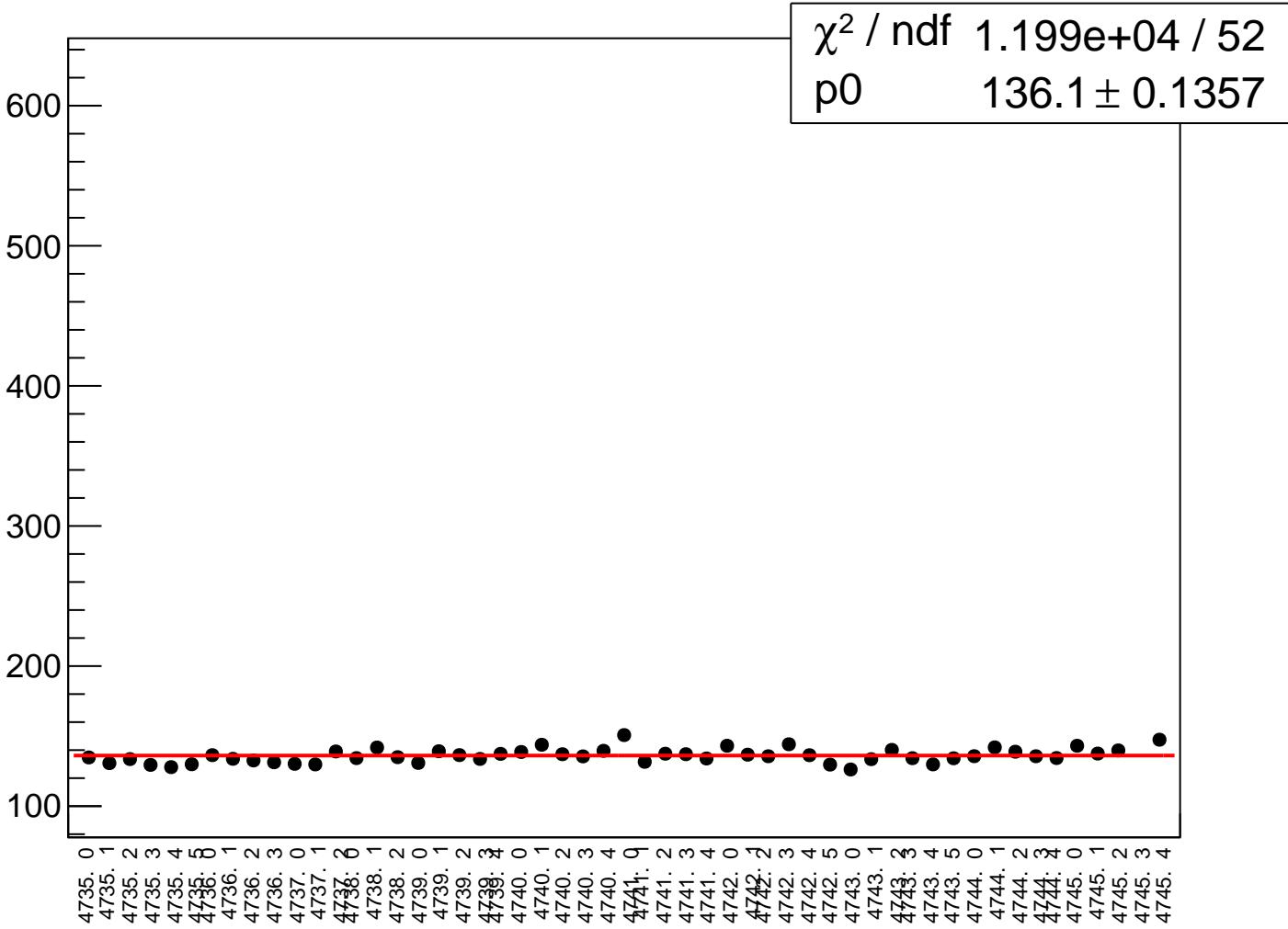
# yield\_bcm0l02\_rms vs run



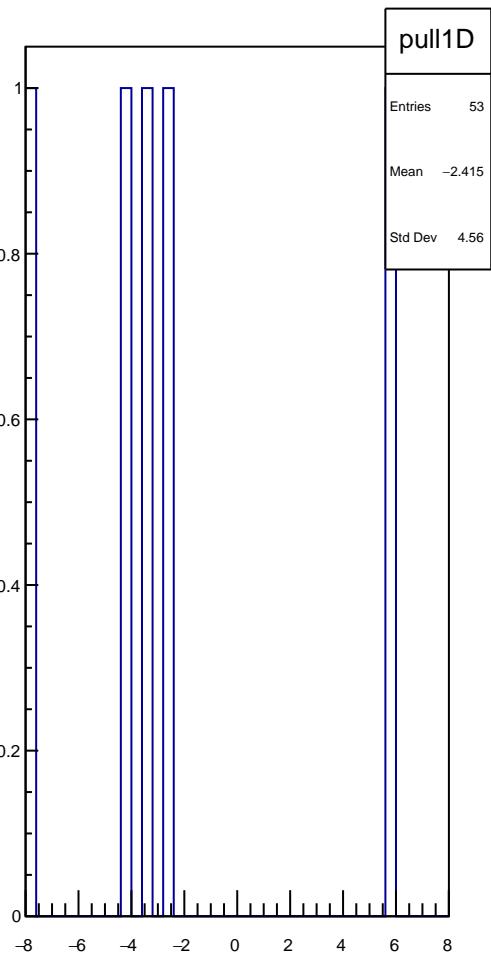
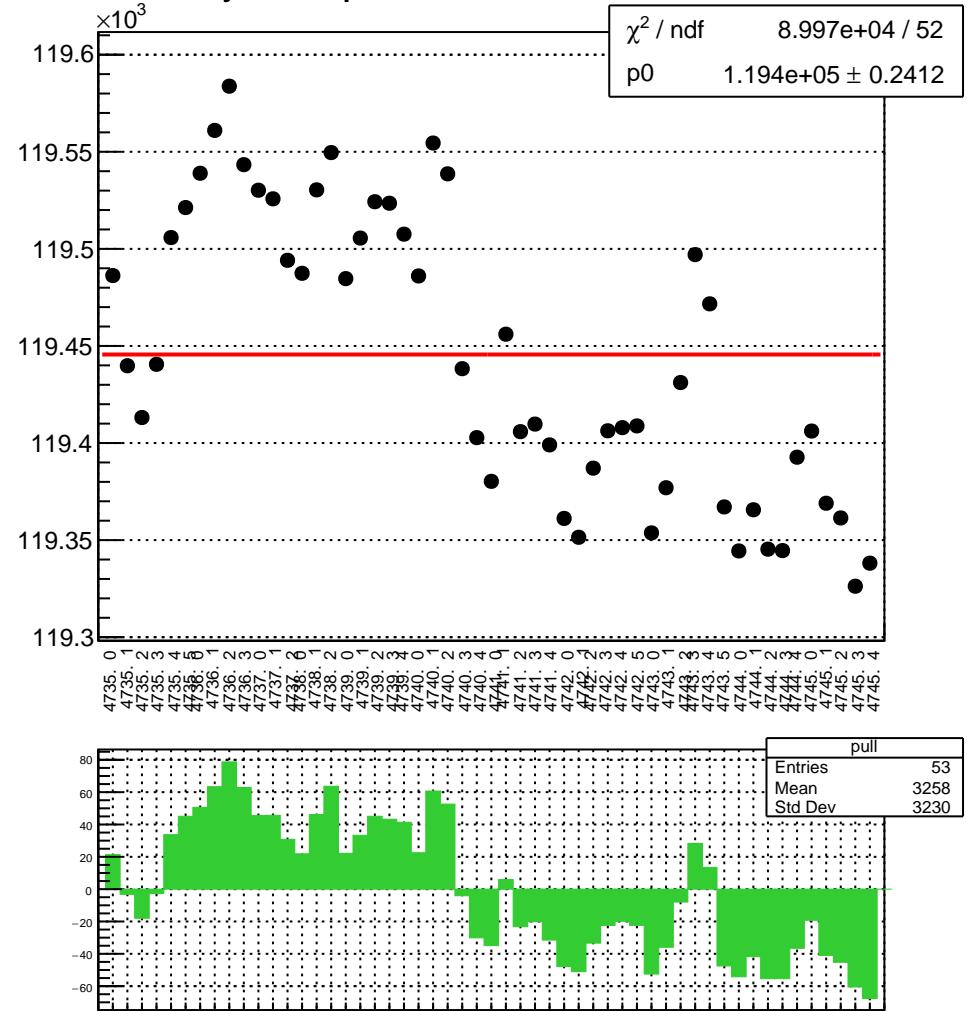
# yield\_bpm2i01WS\_mean vs run



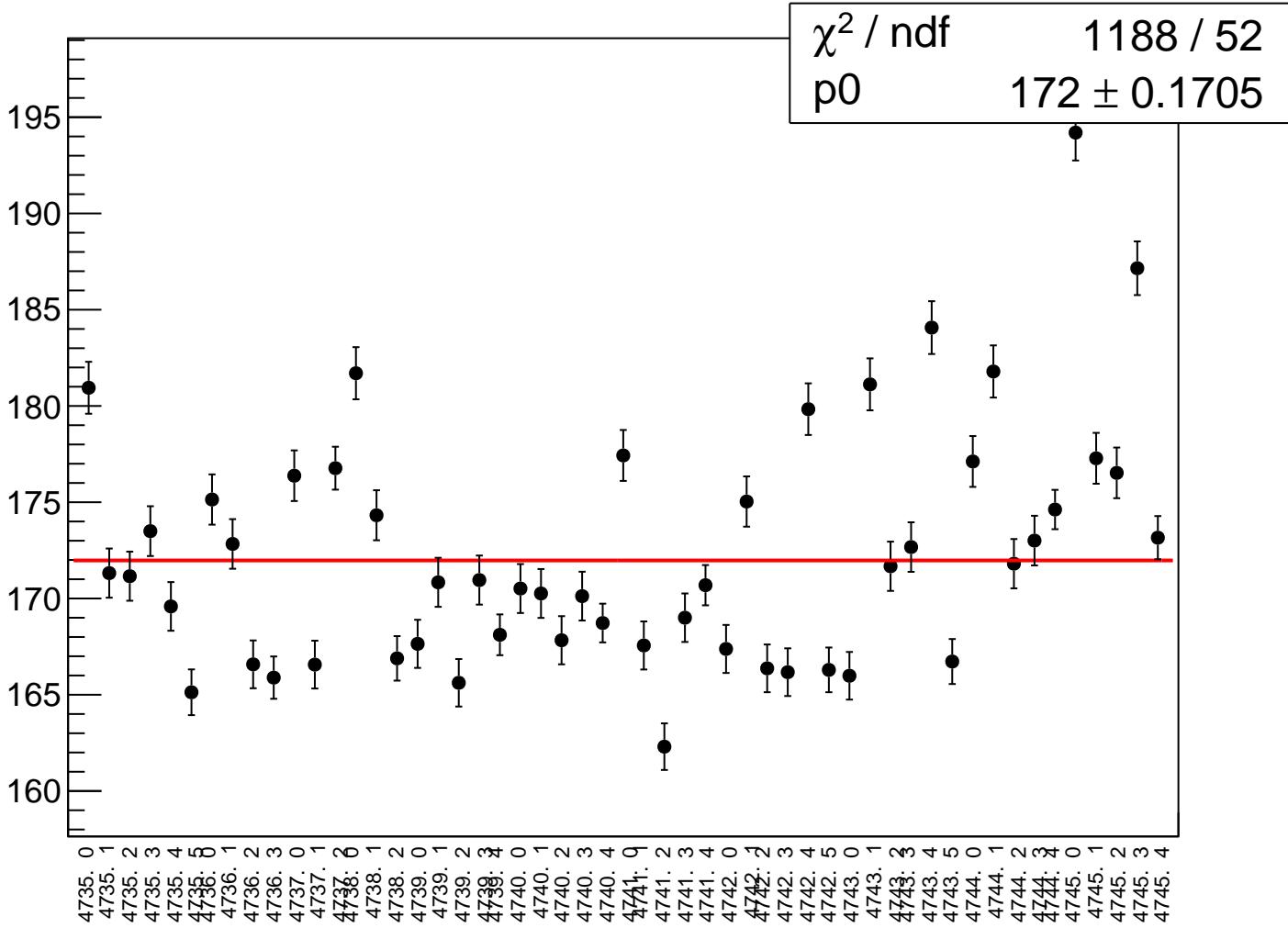
# yield\_bpm2i01WS\_rms vs run



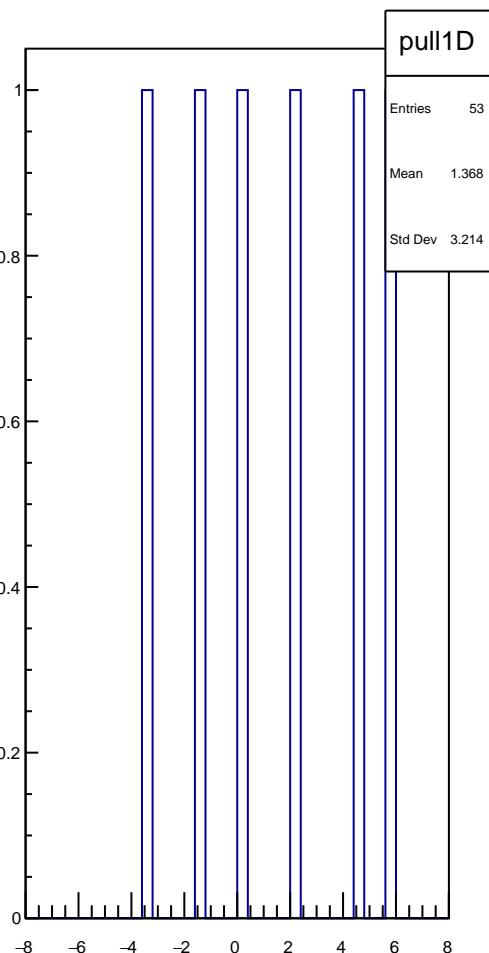
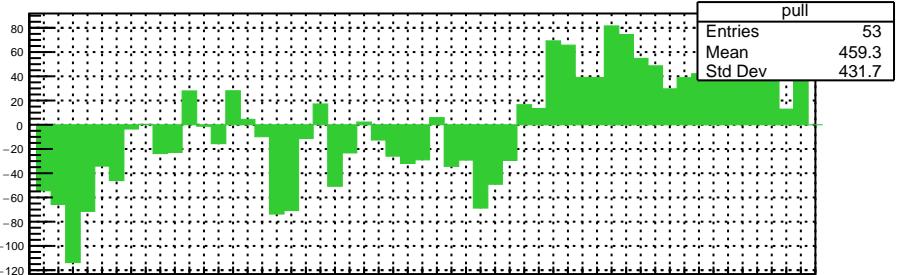
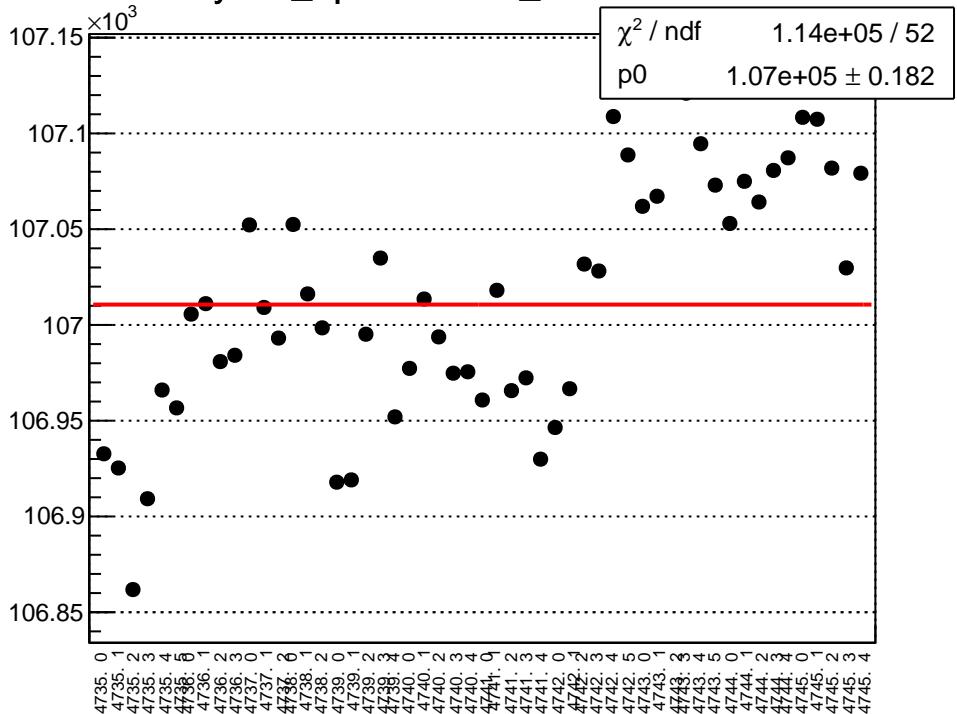
# yield\_bpm0i07WS\_mean vs run



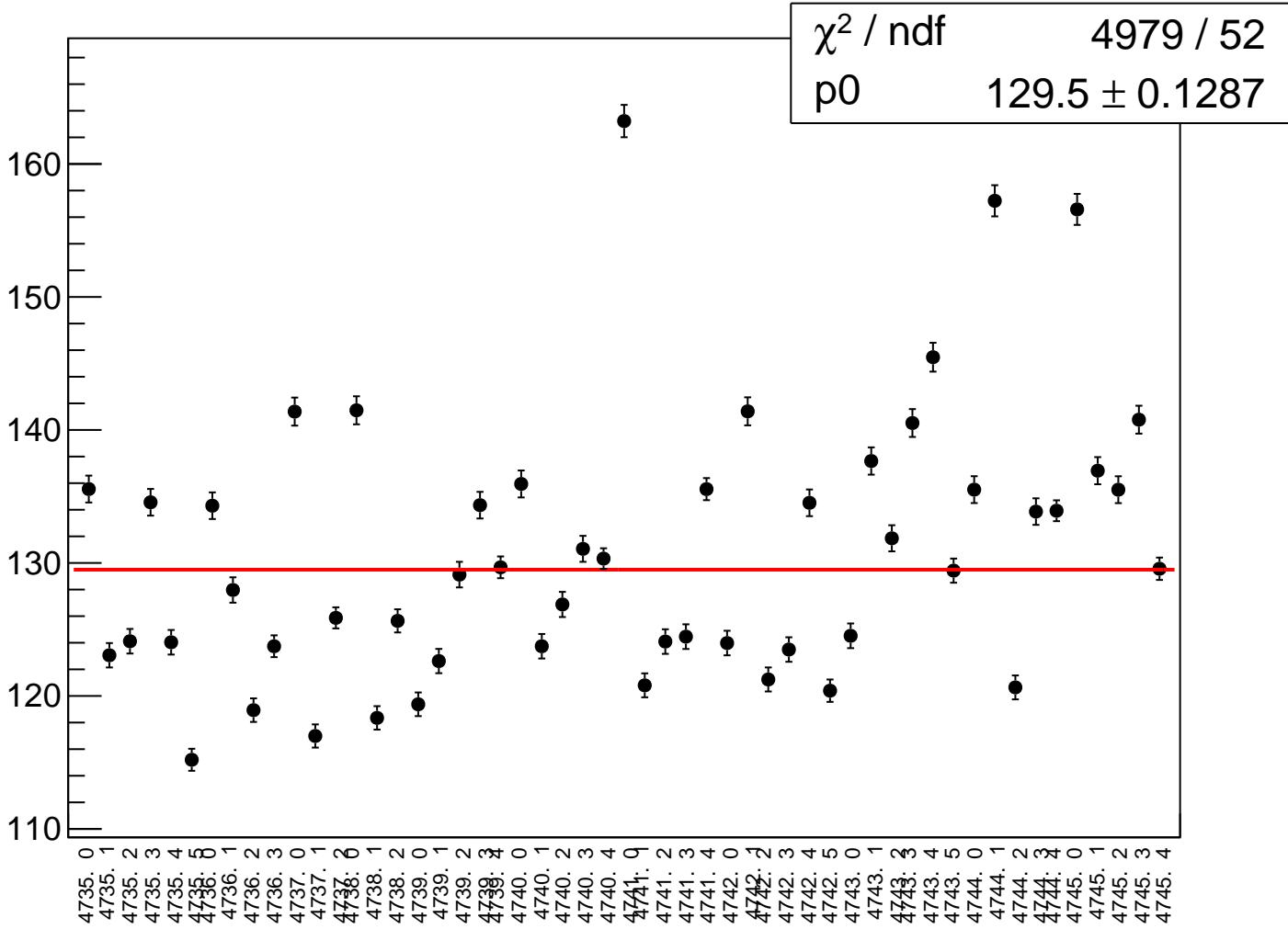
# yield\_bpm0i07WS\_rms vs run



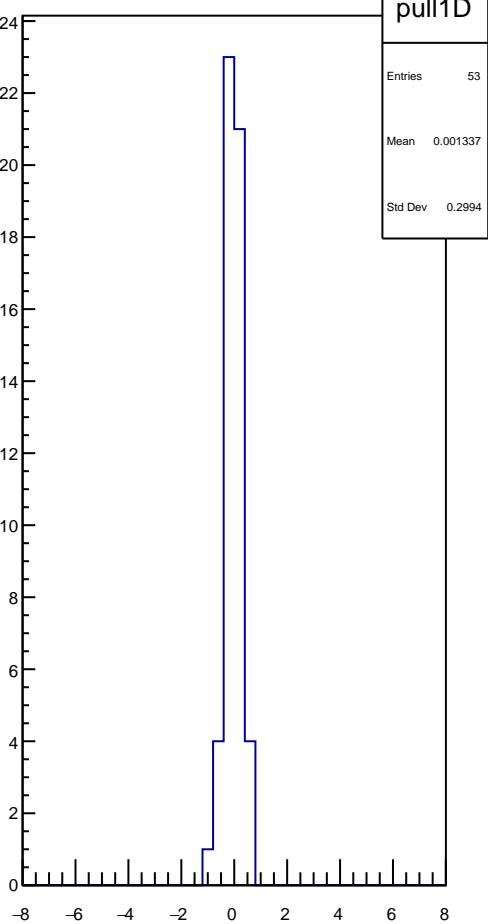
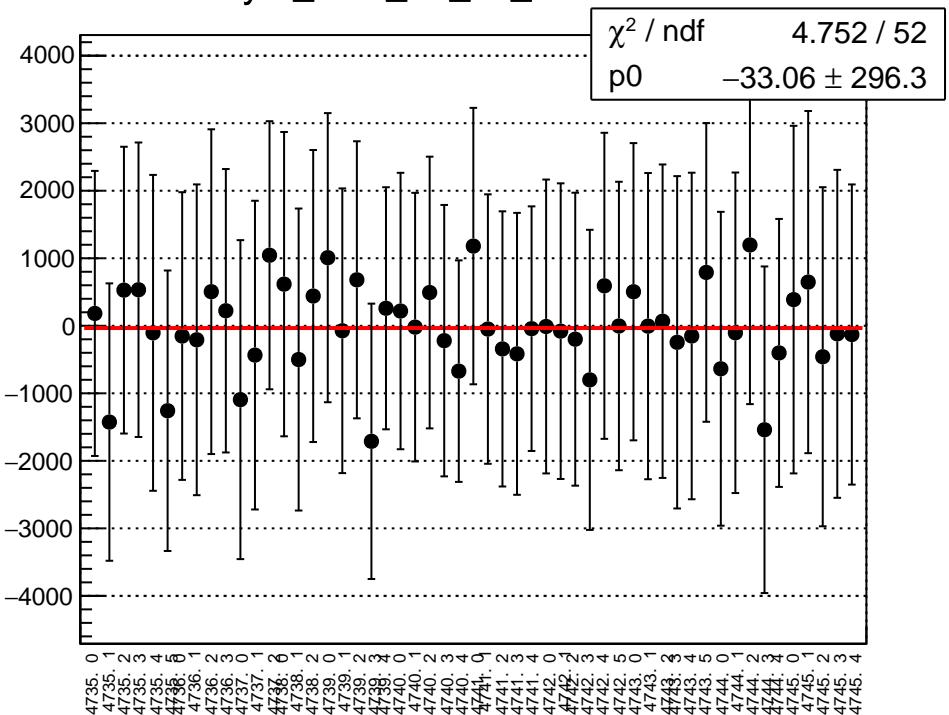
# yield\_bpm0l01WS\_mean vs run



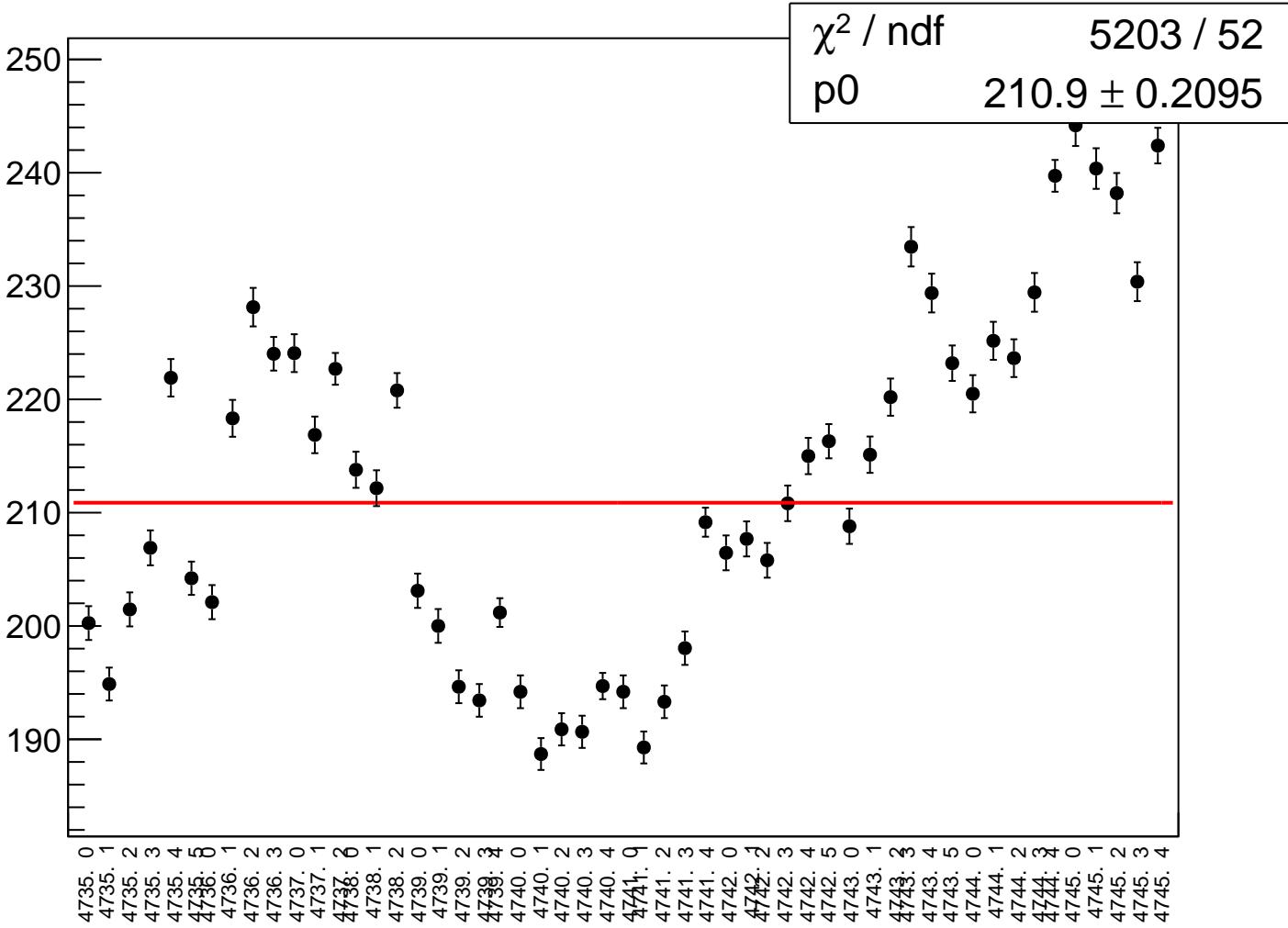
# yield\_bpm0l01WS\_rms vs run



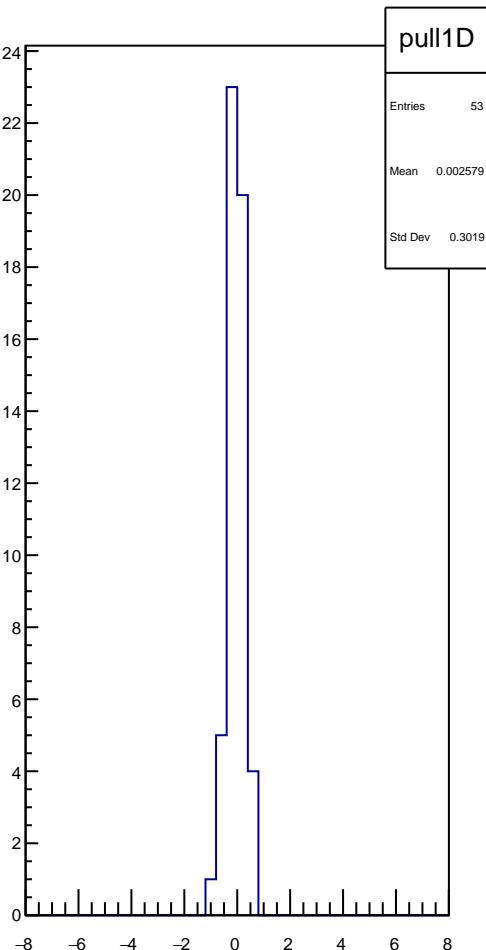
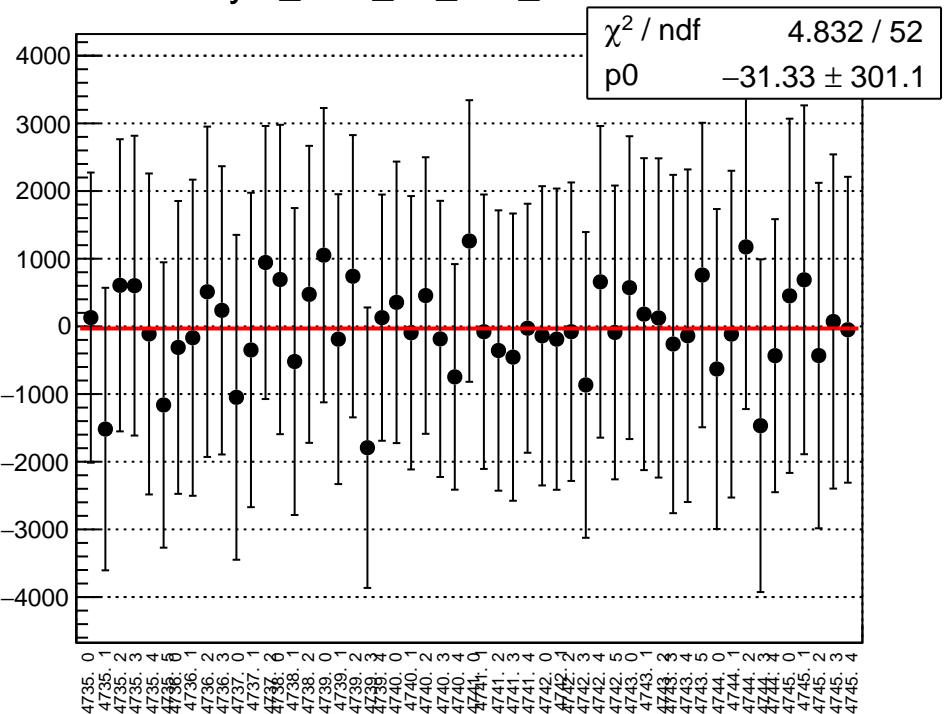
# asym\_bcm\_an\_ds\_mean vs run



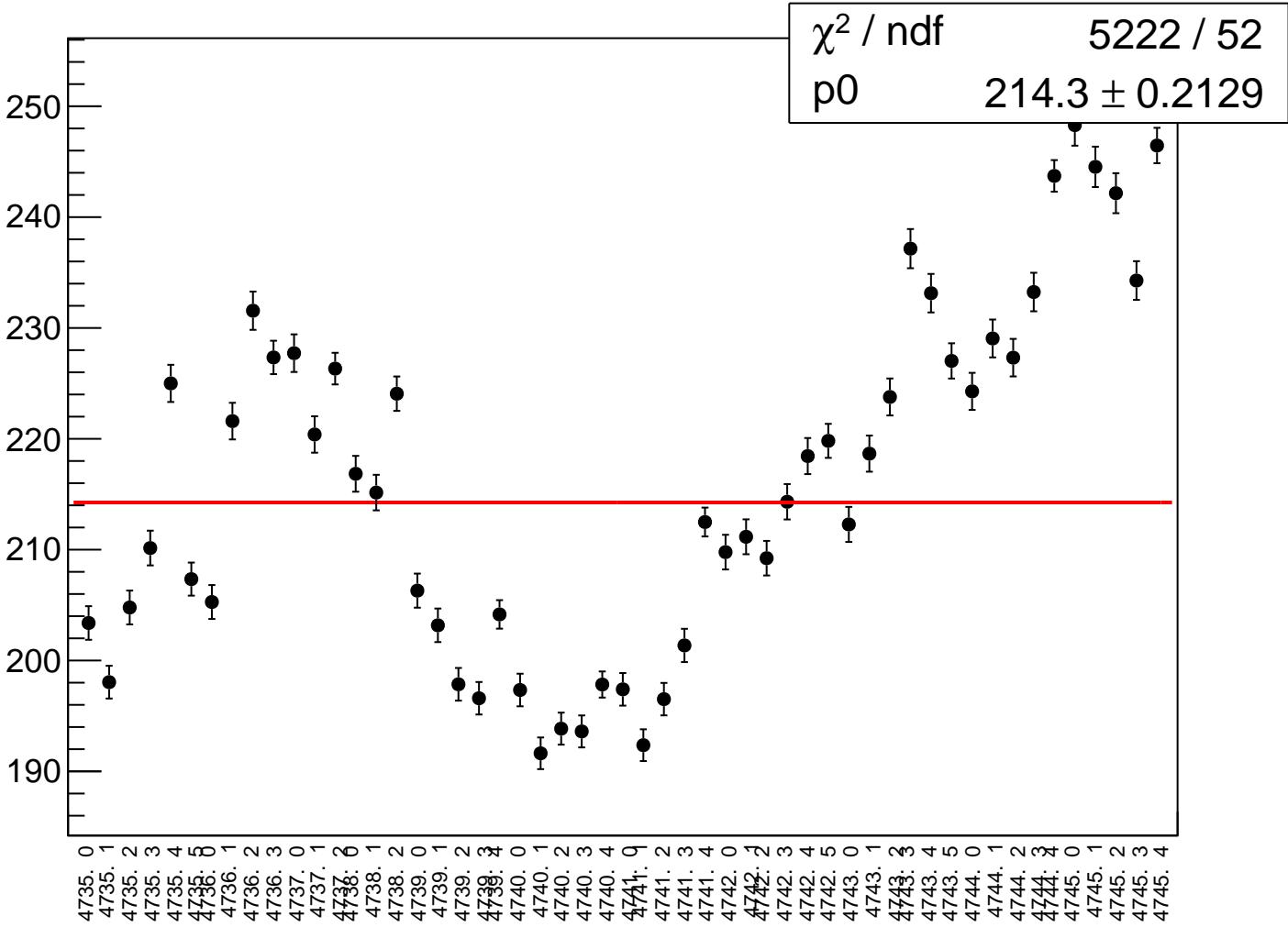
# asym\_bcm\_an\_ds\_rms vs run



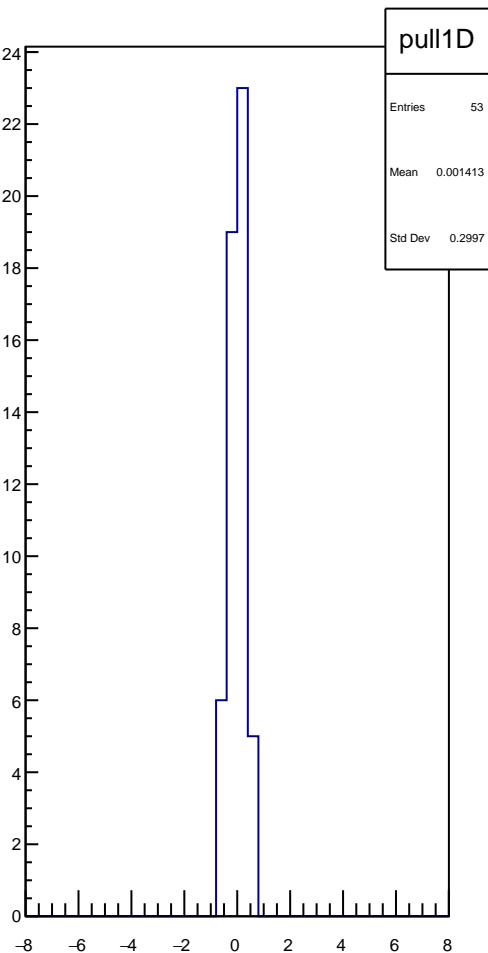
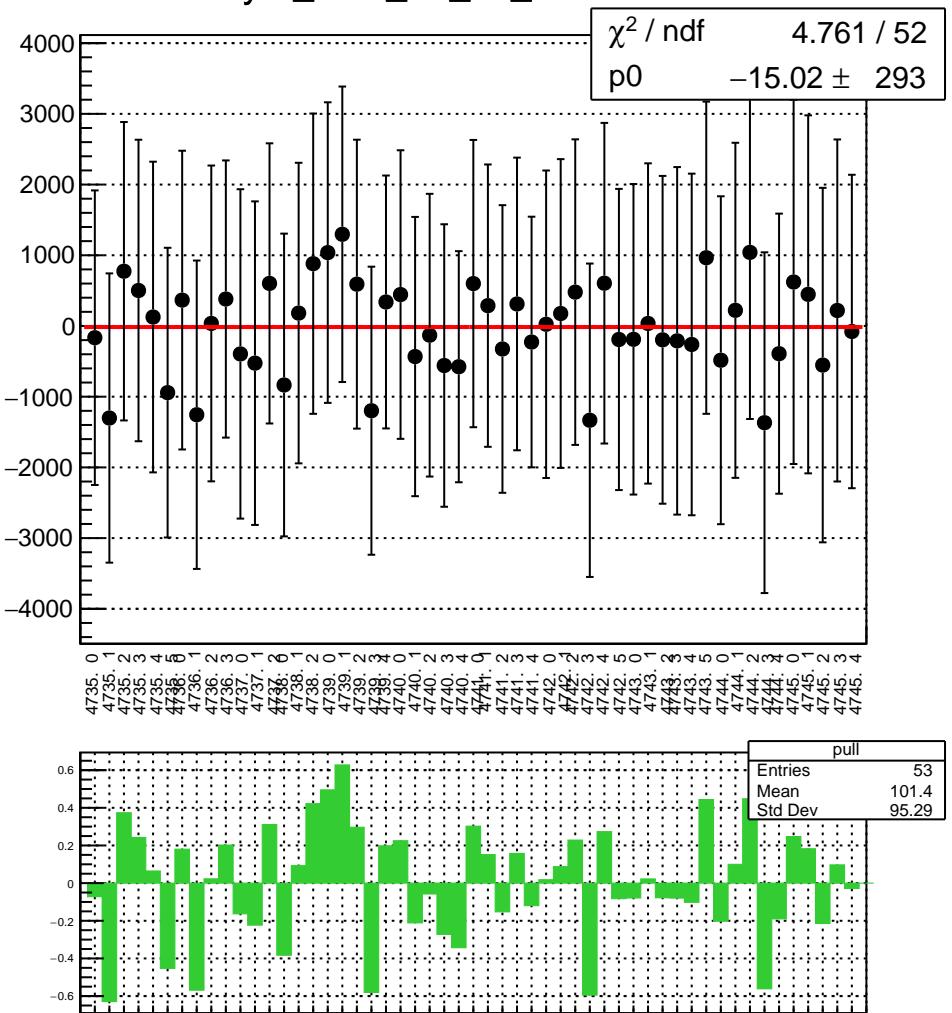
# asym\_bcm\_an\_ds3\_mean vs run



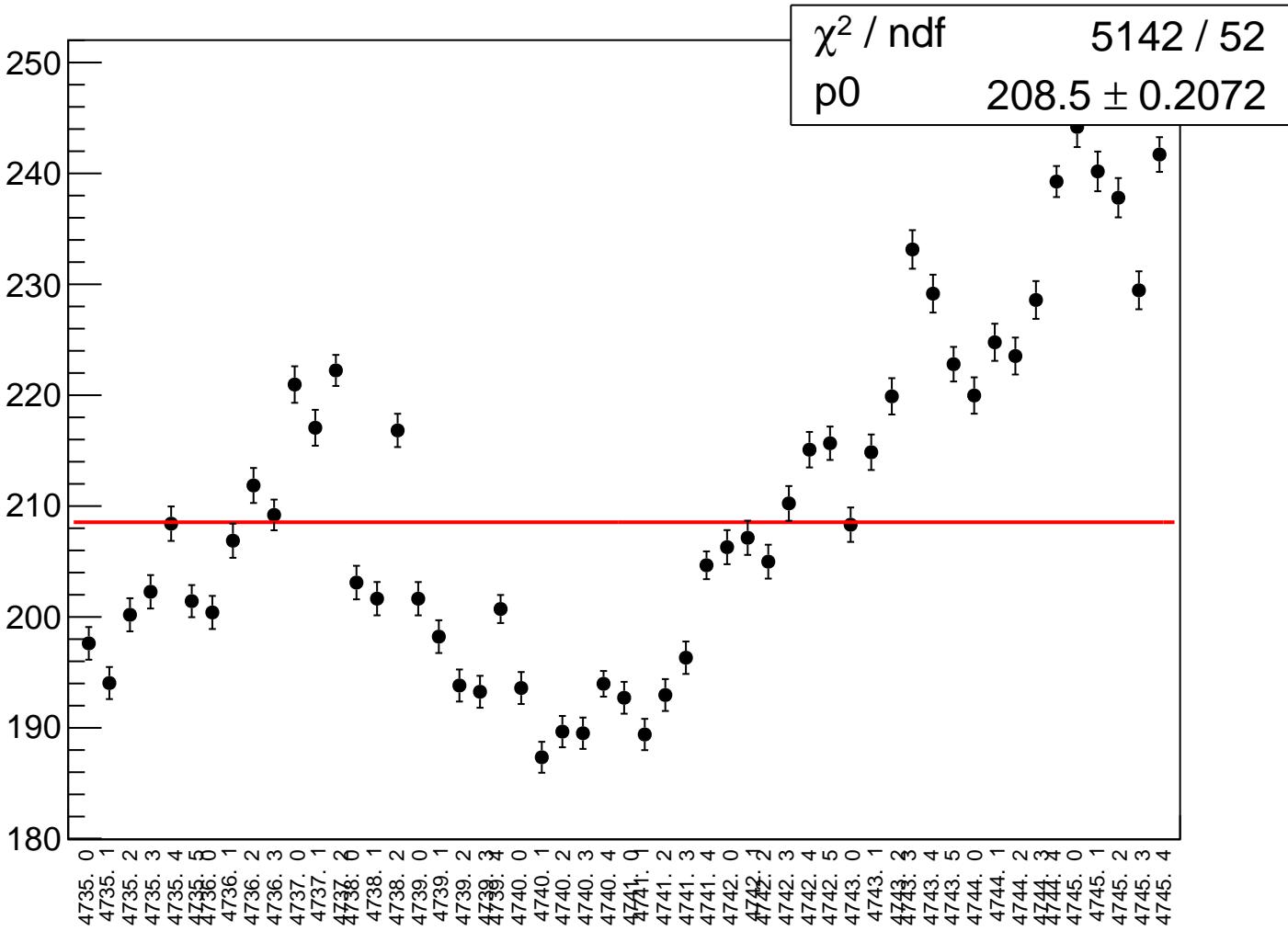
# asym\_bcm\_an\_ds3\_rms vs run



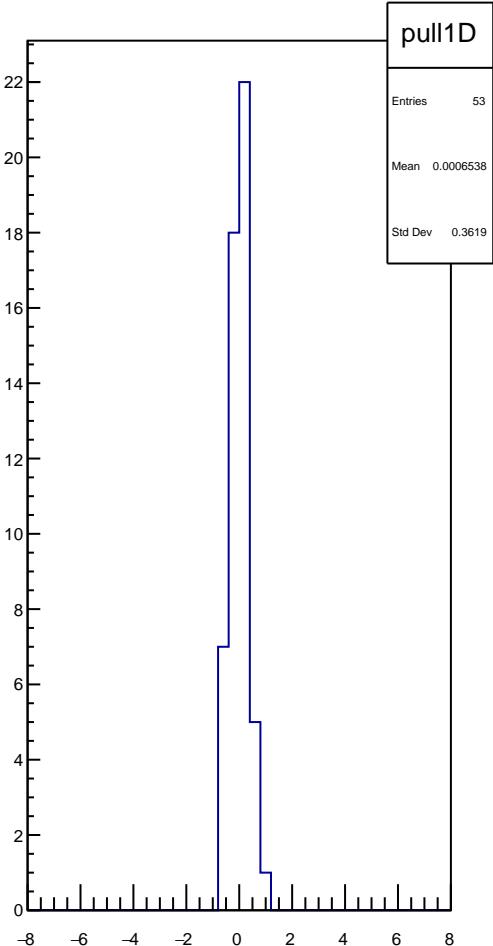
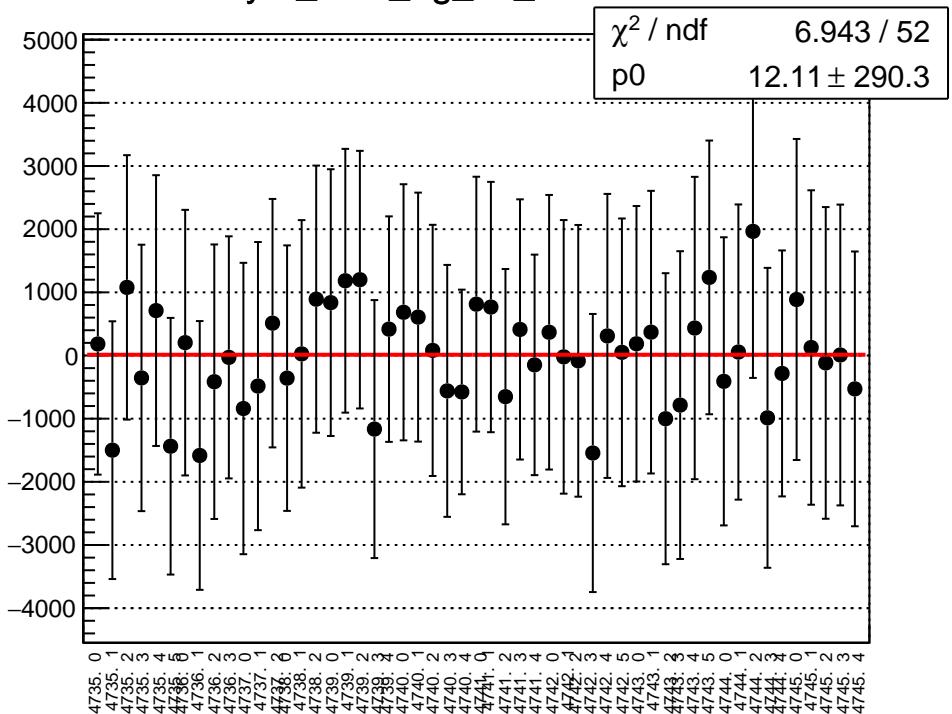
# asym\_bcm\_an\_us\_mean vs run



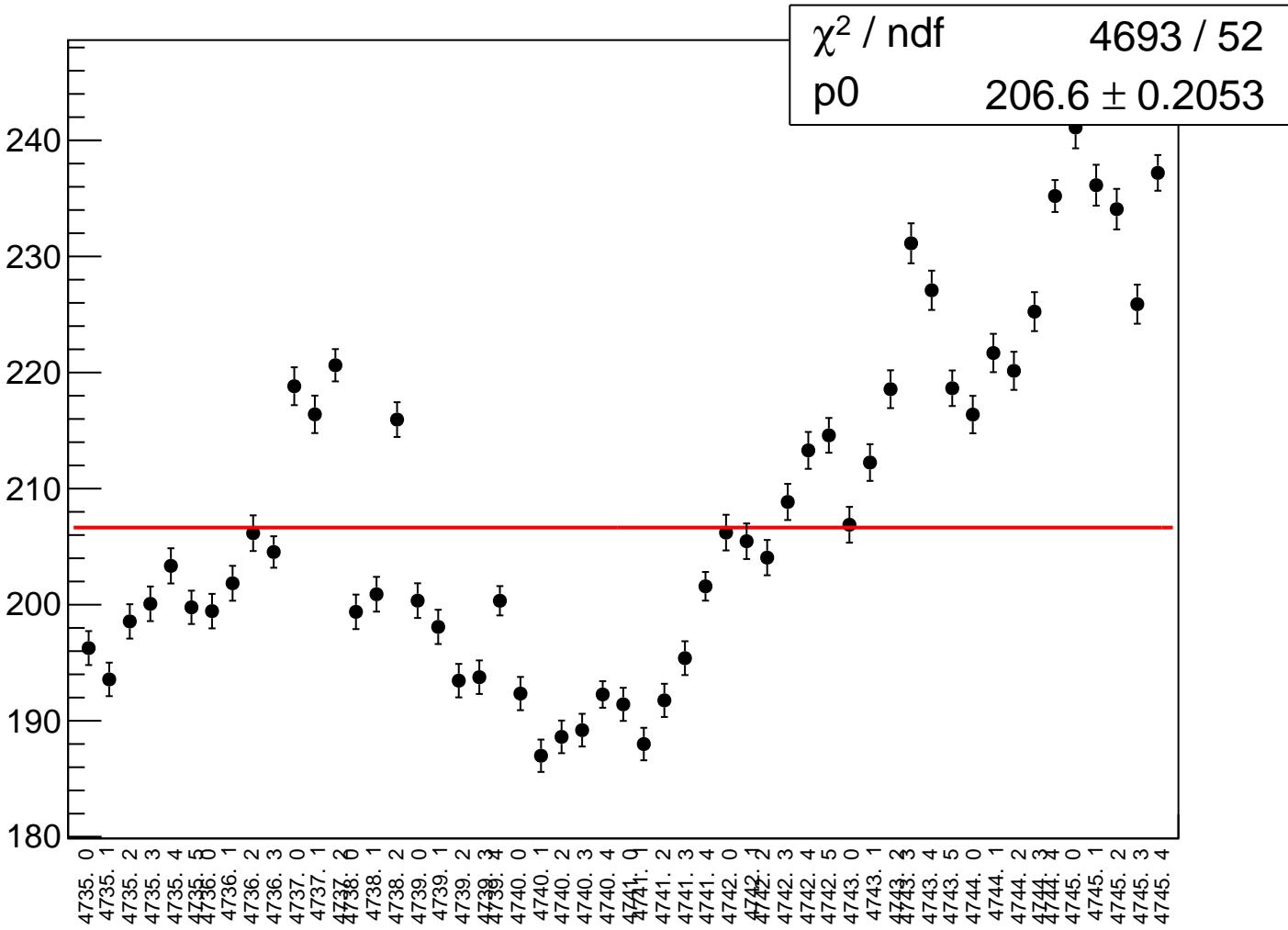
# asym\_bcm\_an\_us\_rms vs run



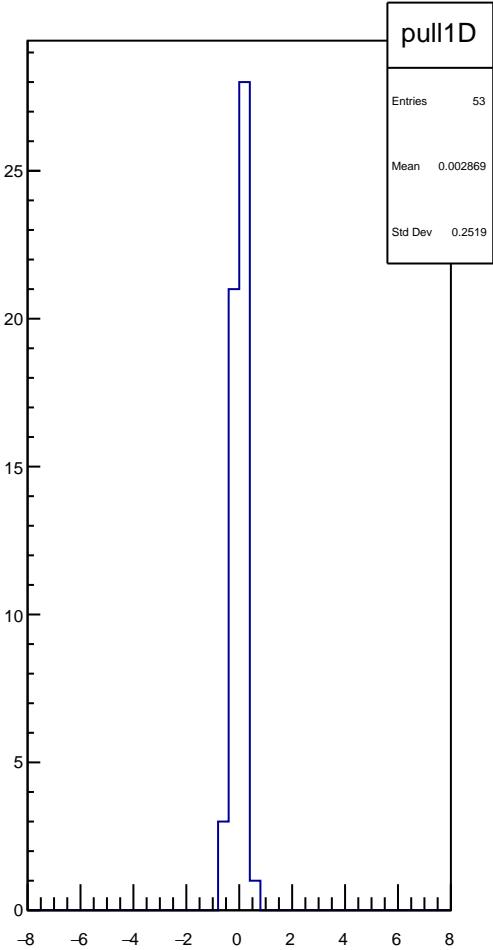
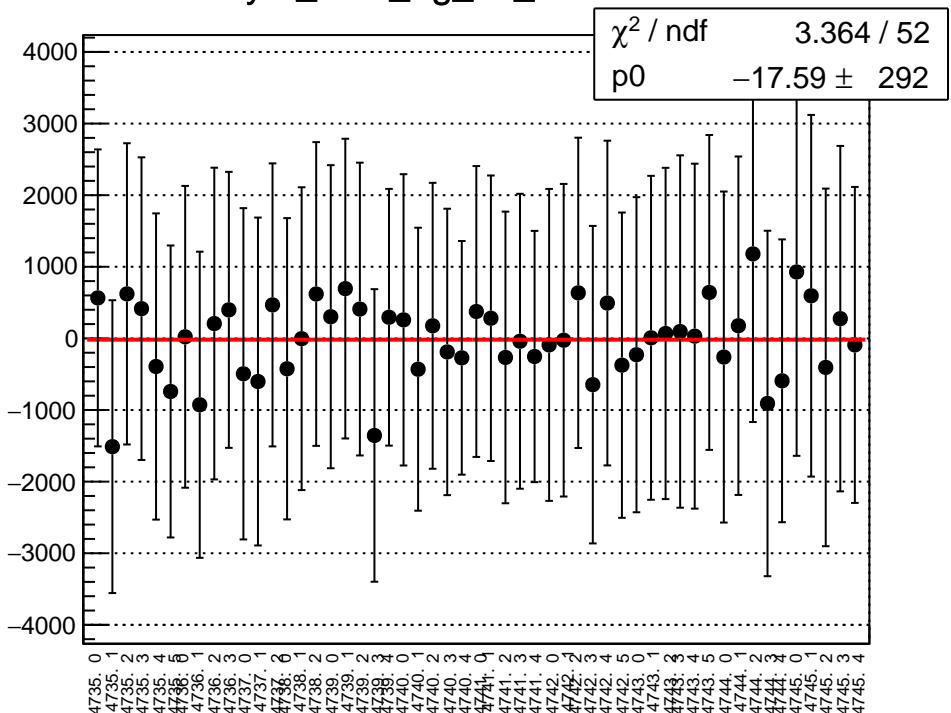
# asym\_bcm\_dg\_us\_mean vs run



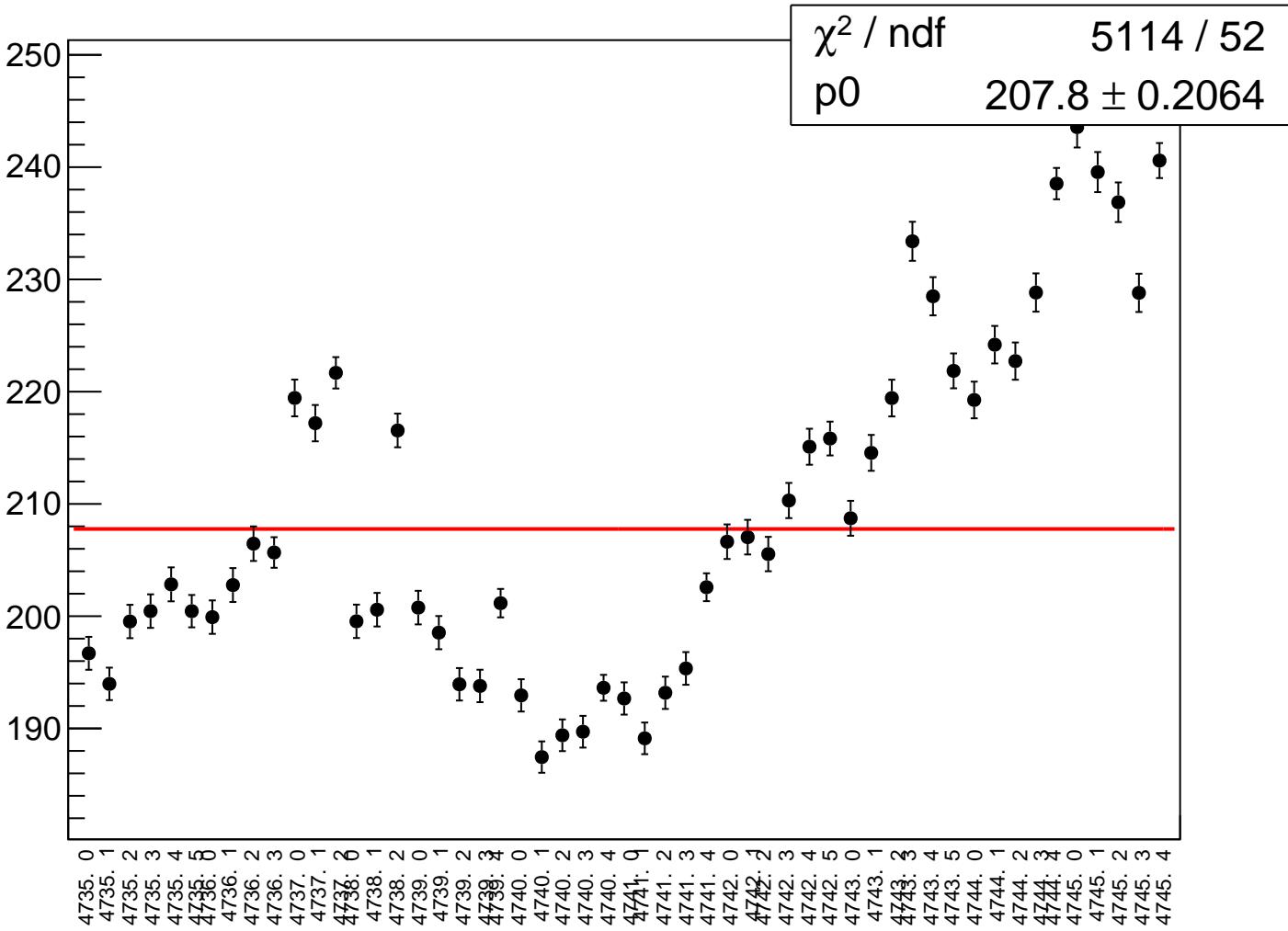
# asym\_bcm\_dg\_us\_rms vs run

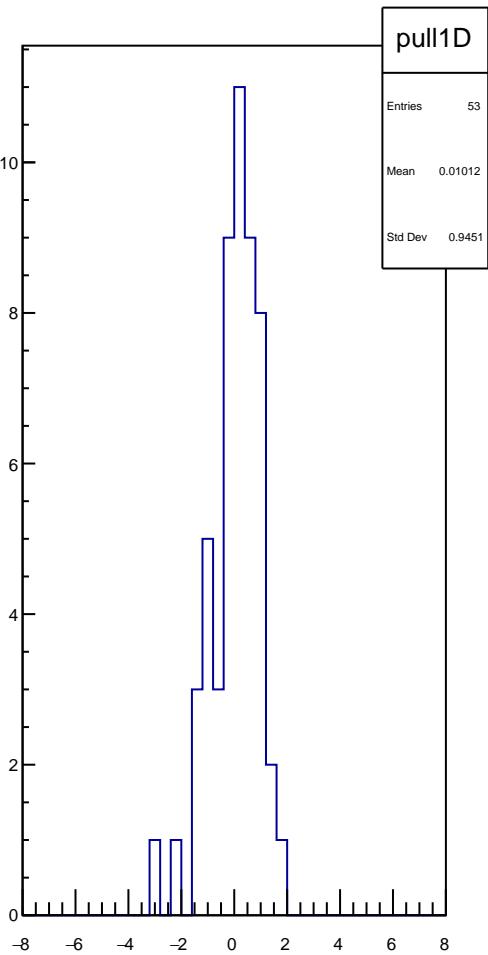
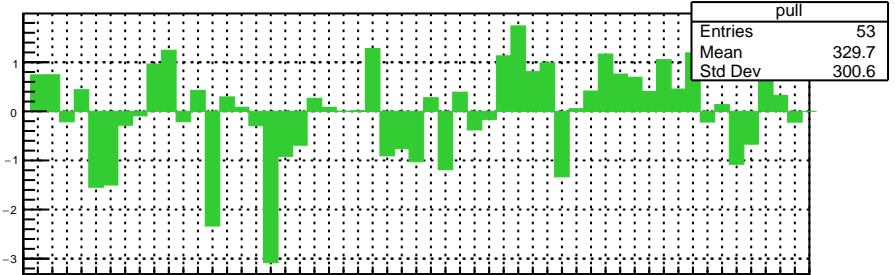
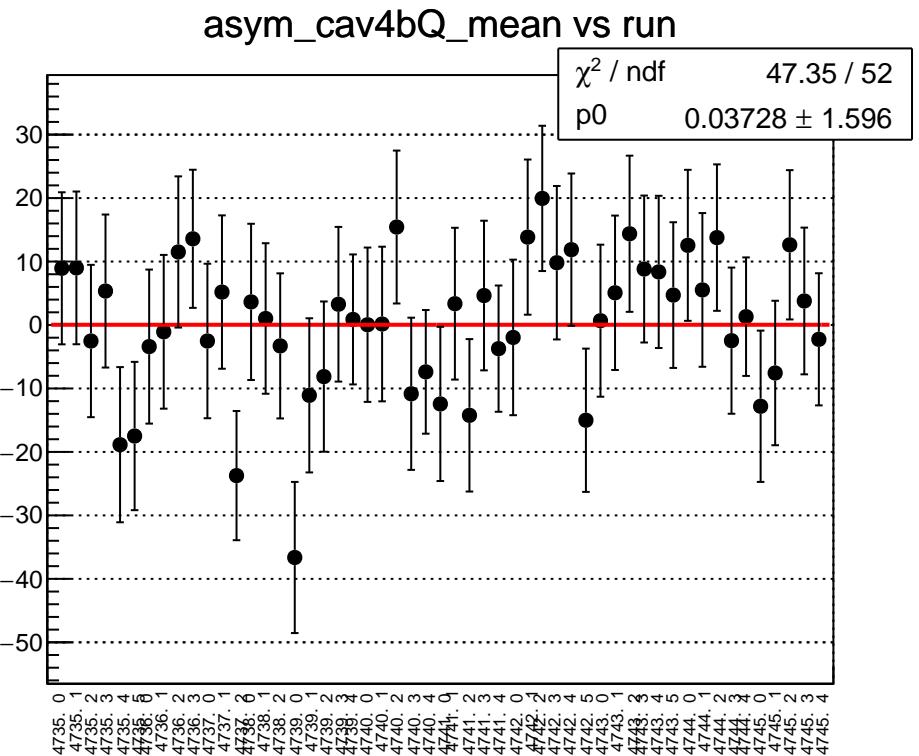


# asym\_bcm\_dg\_ds\_mean vs run

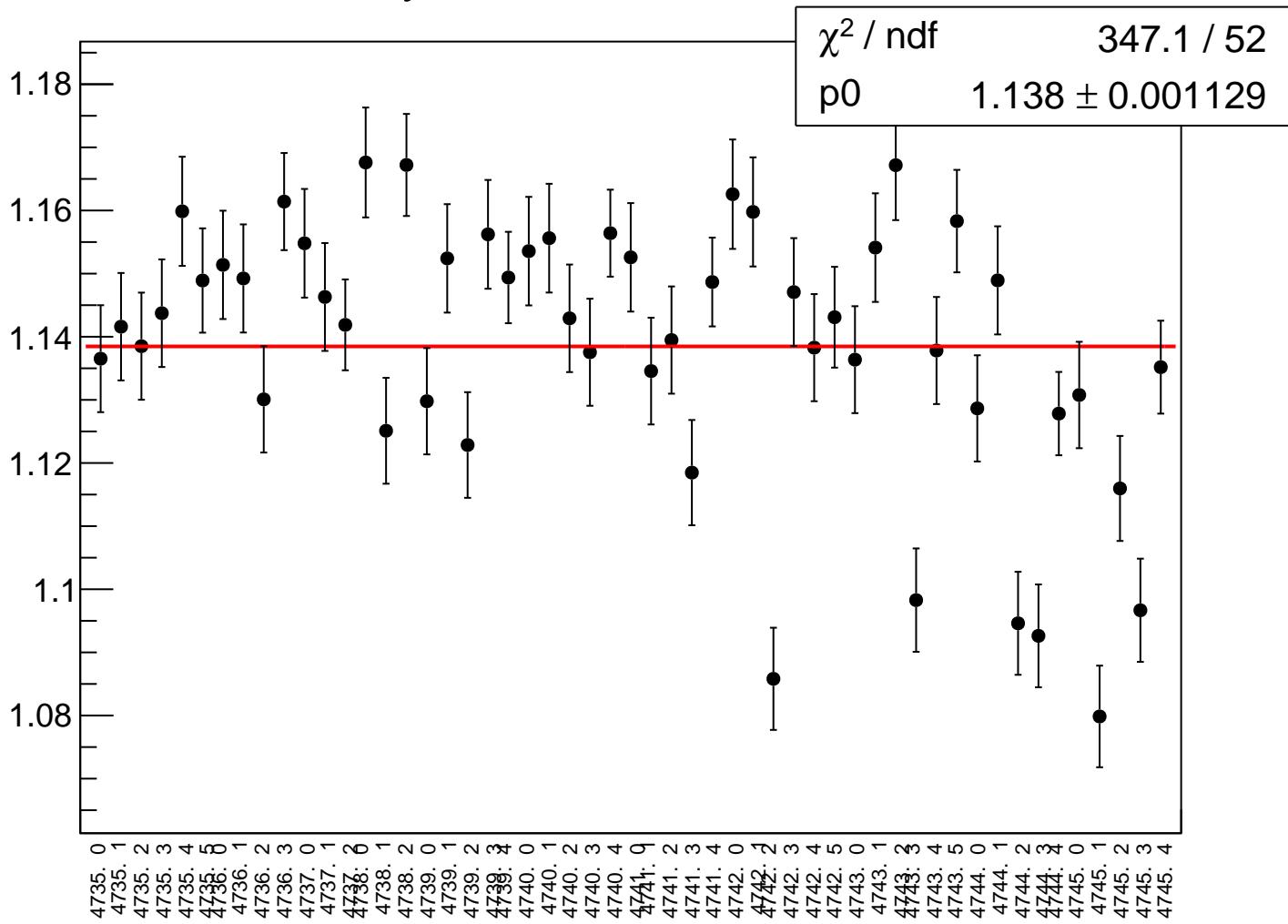


# asym\_bcm\_dg\_ds\_rms vs run

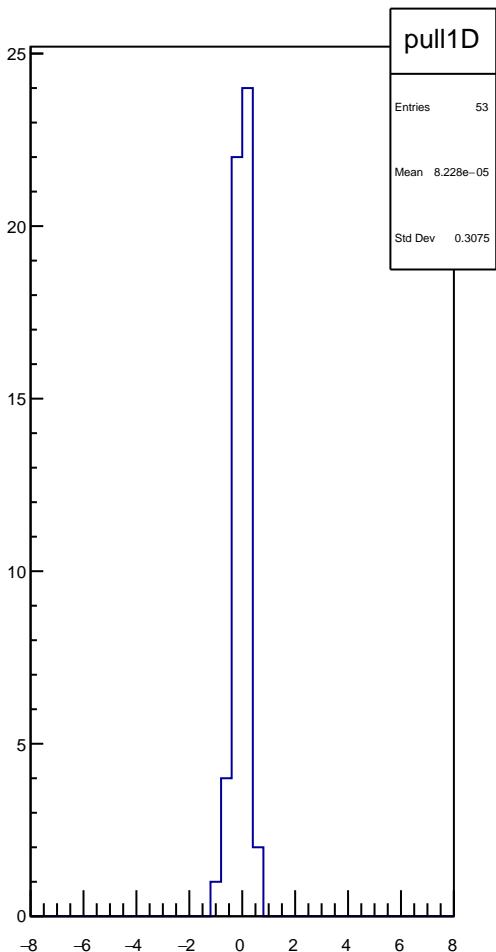
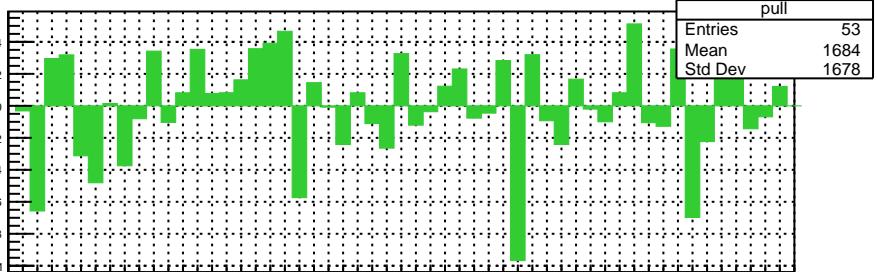
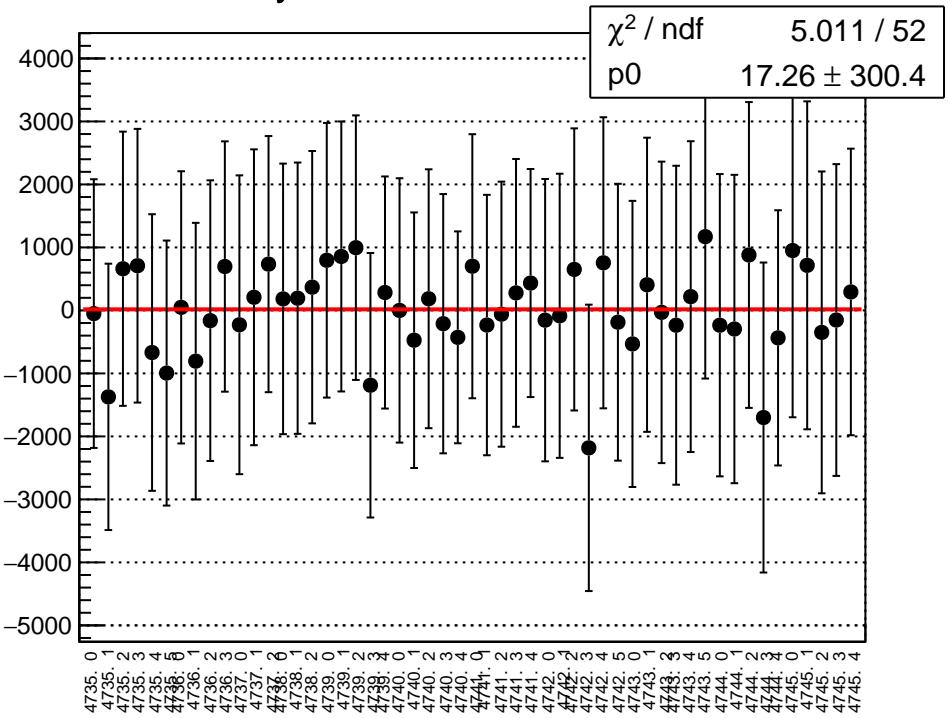




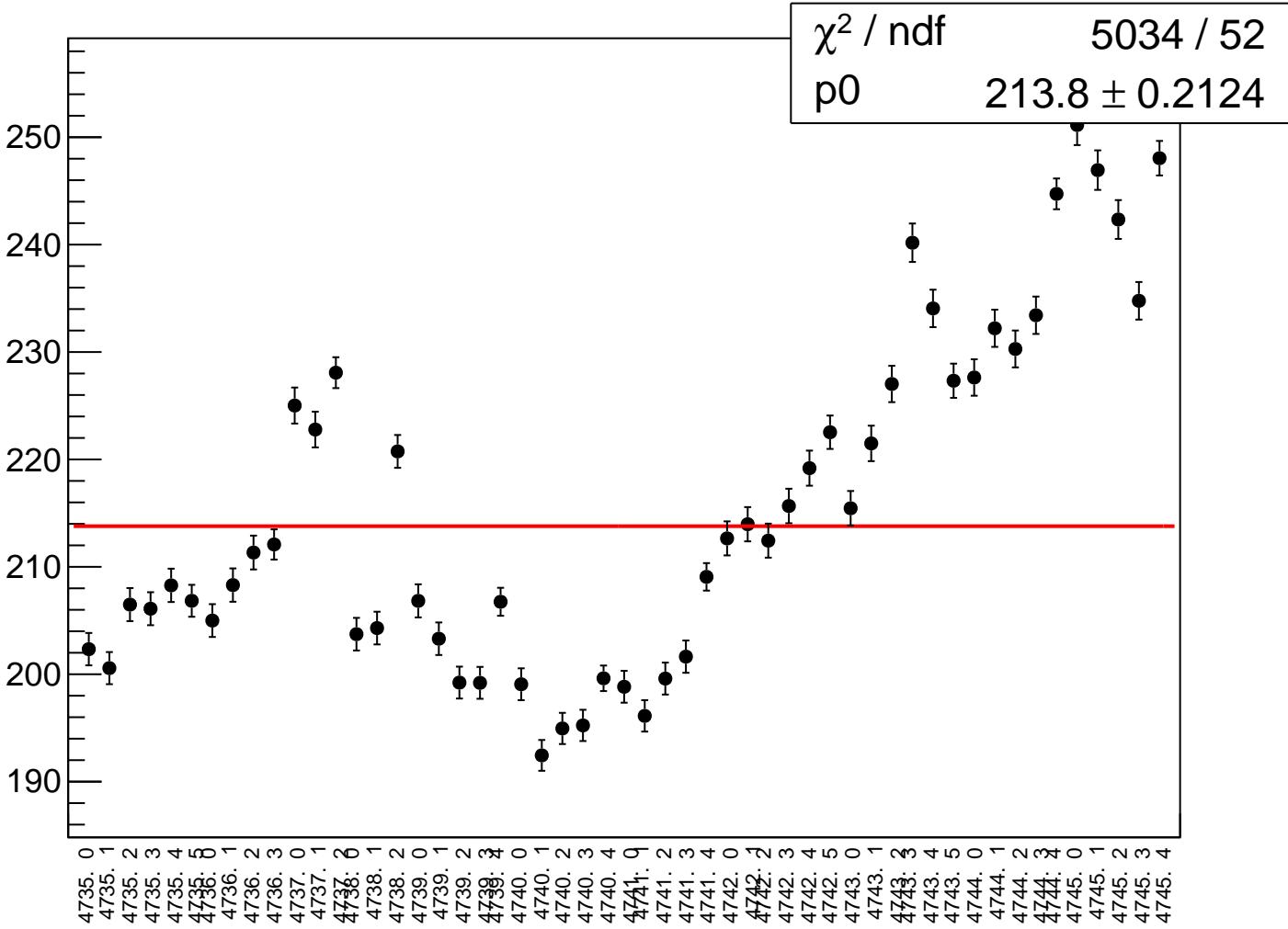
# asym\_cav4bQ\_rms vs run

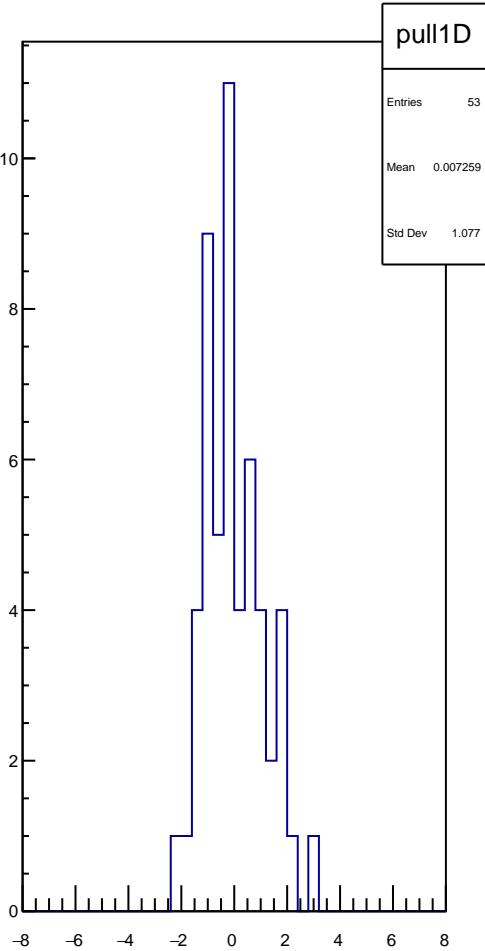
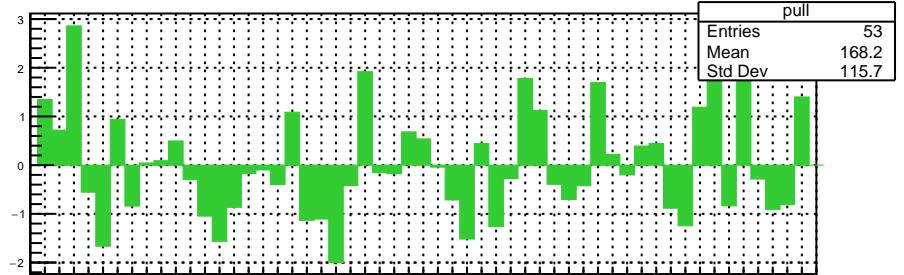
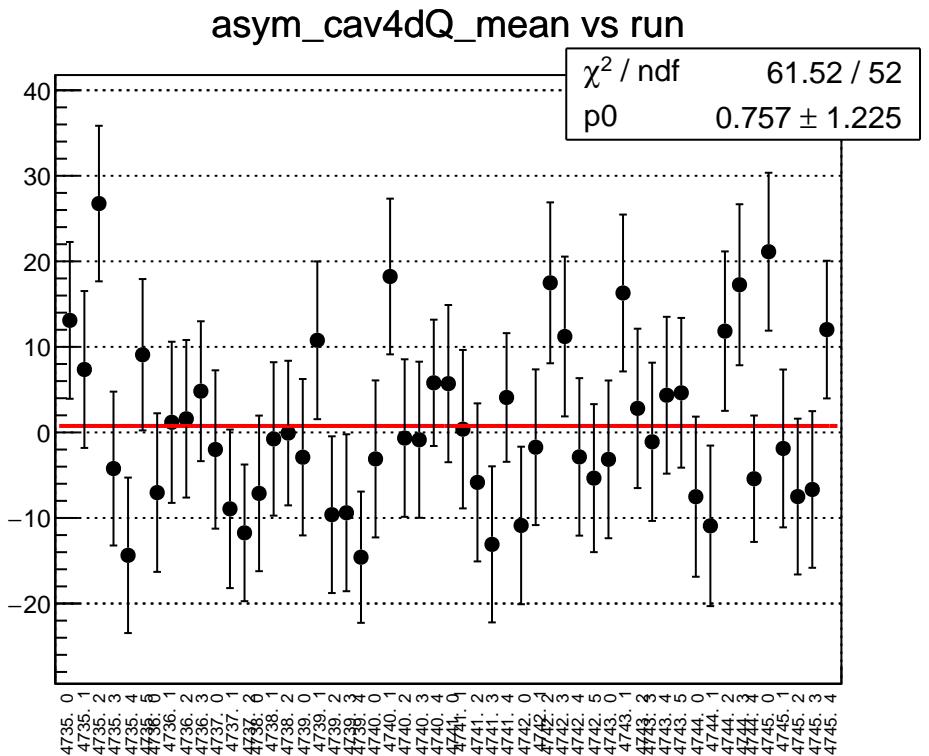


# asym\_cav4cQ\_mean vs run

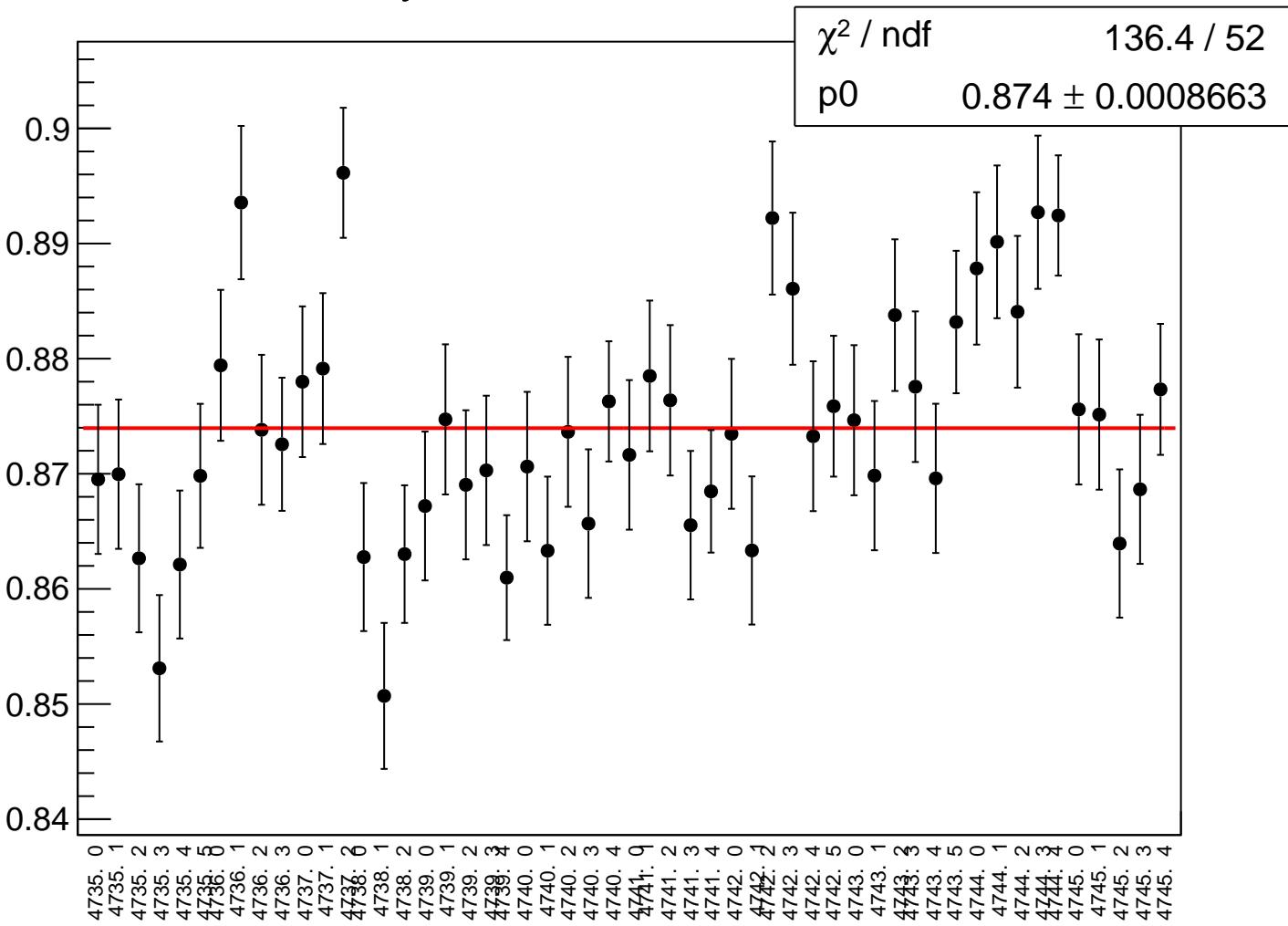


# asym\_cav4cQ\_rms vs run

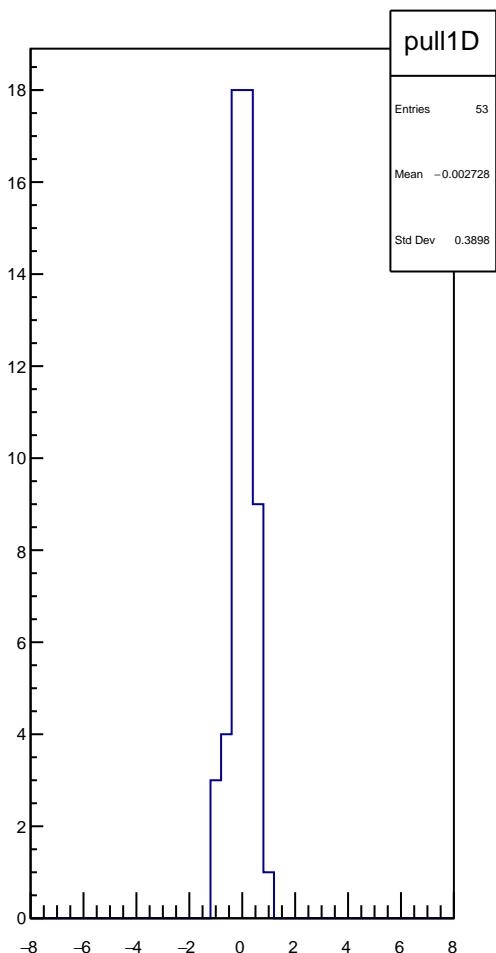
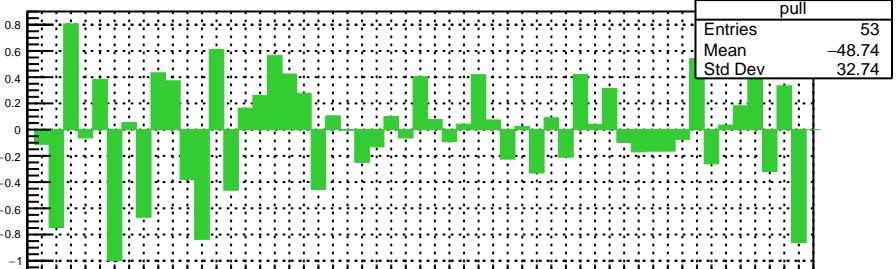
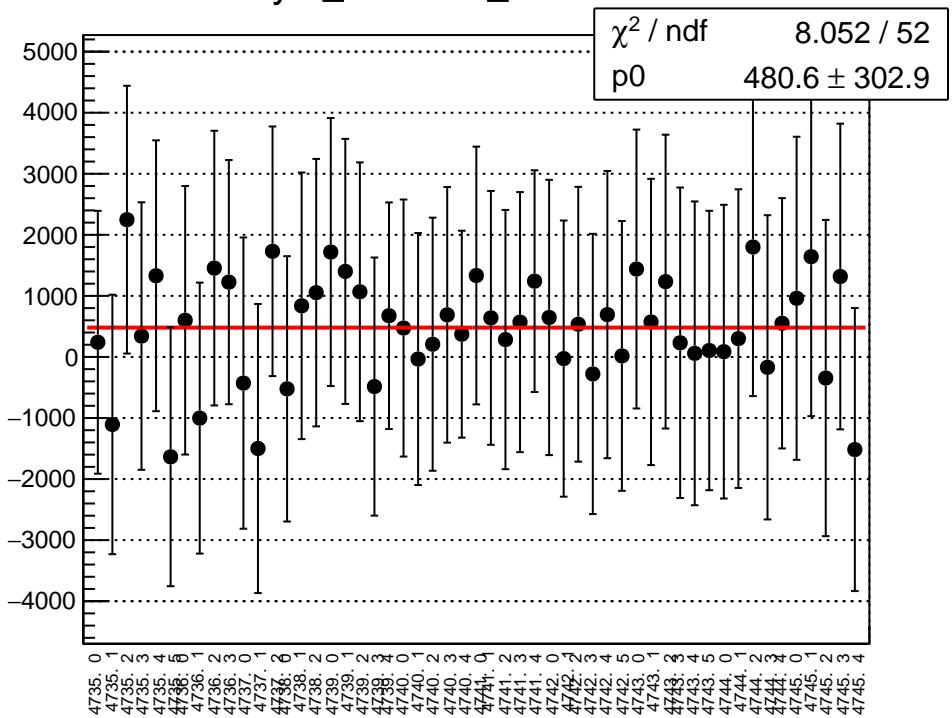




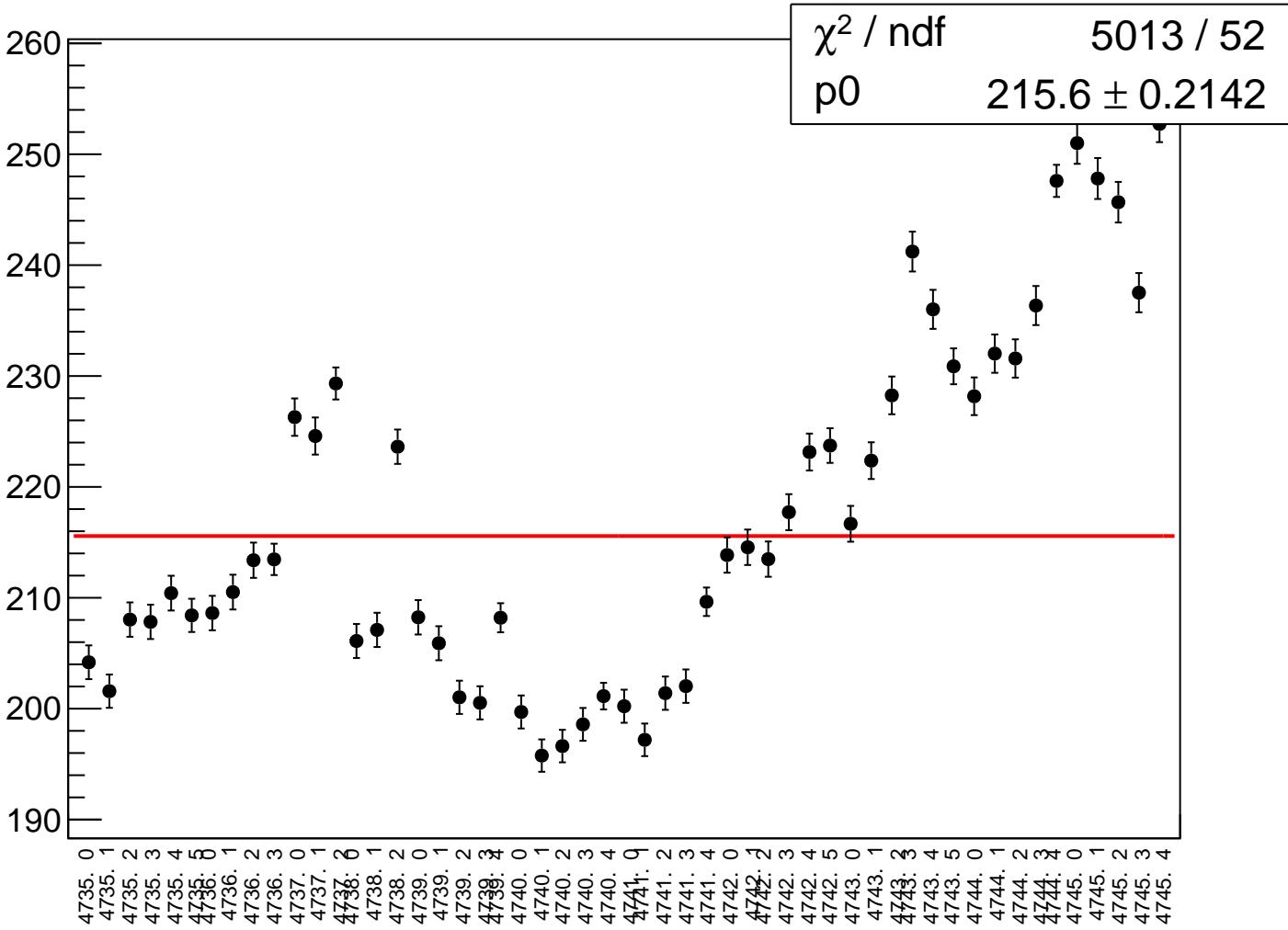
# asym\_cav4dQ\_rms vs run



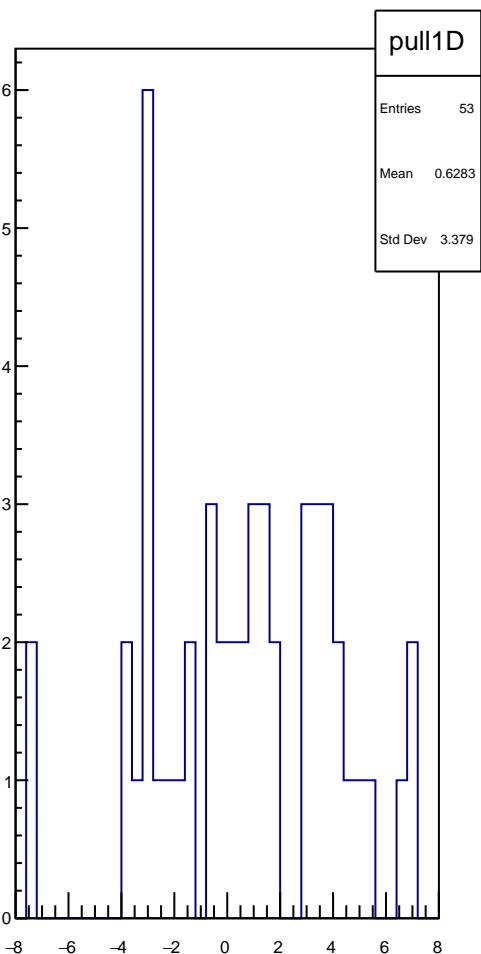
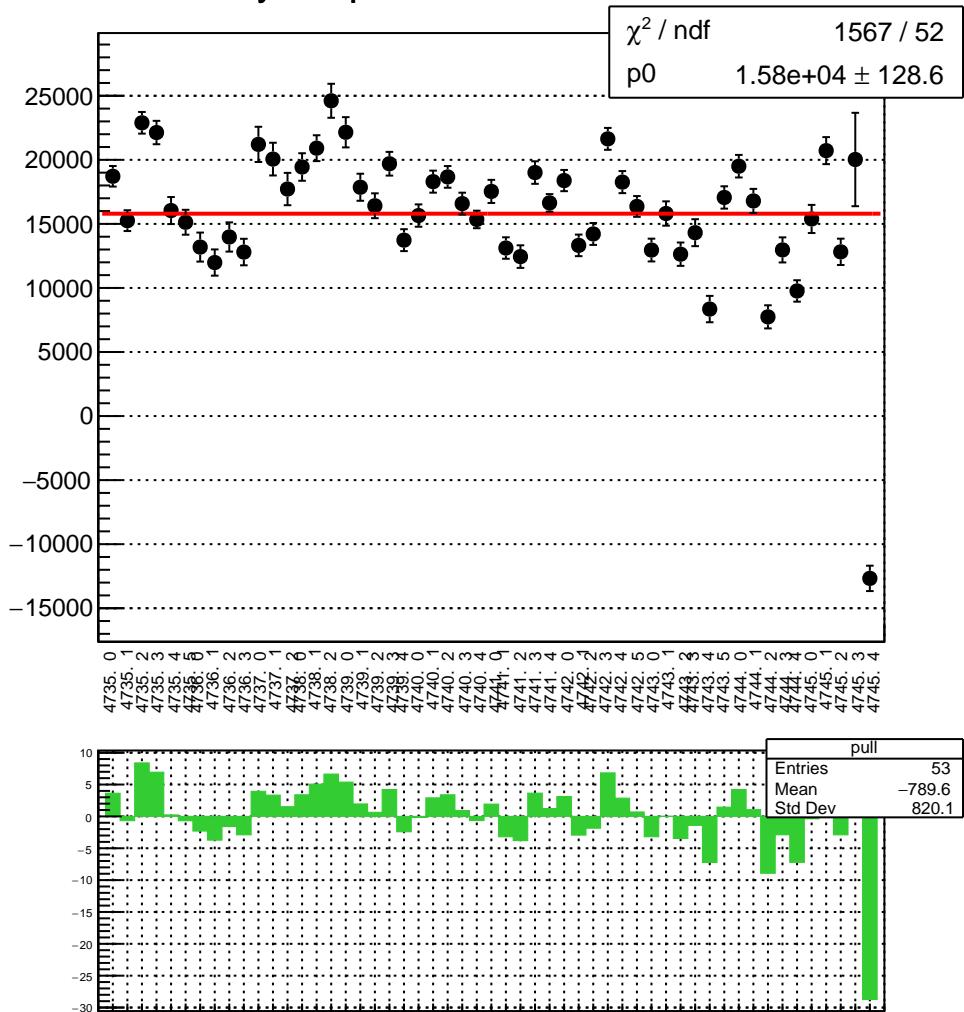
# asym\_bcm0l02\_mean vs run



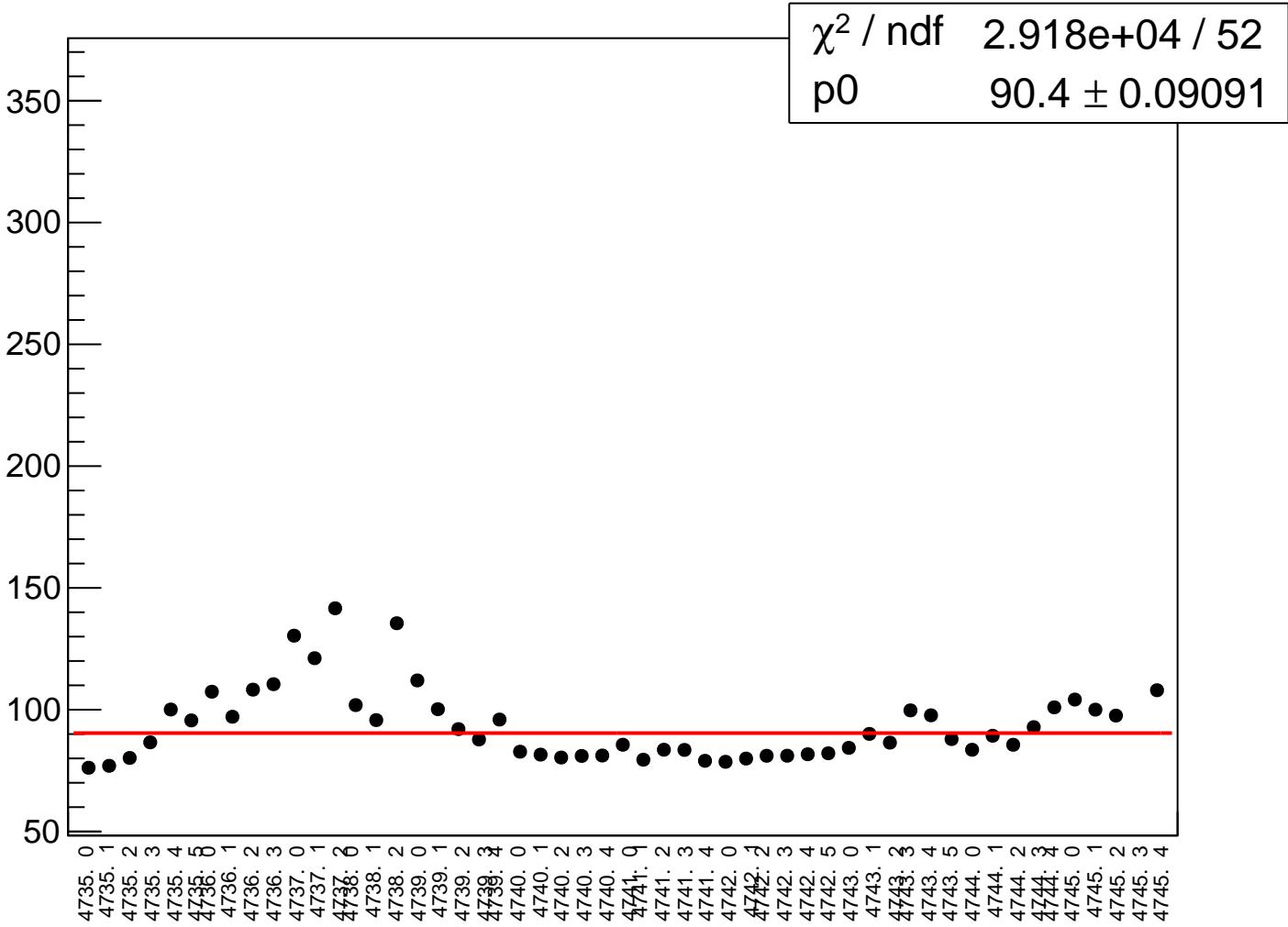
# asym\_bcm0l02\_rms vs run



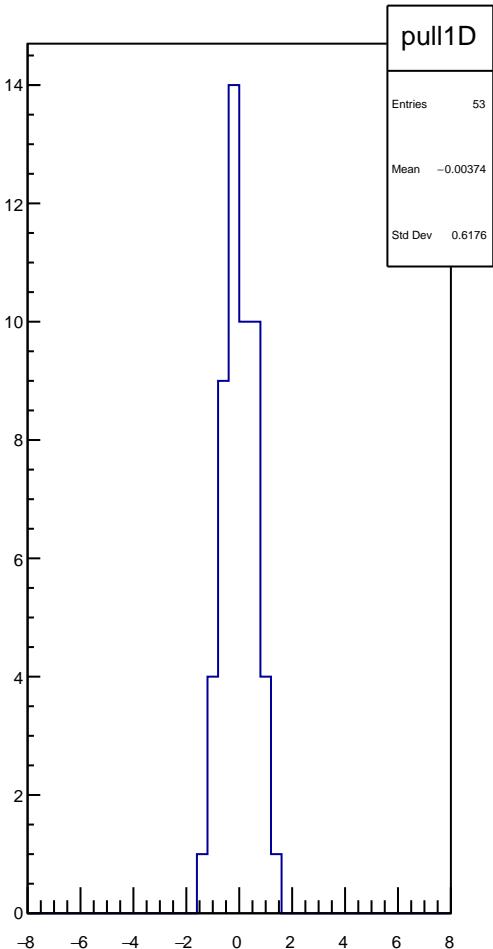
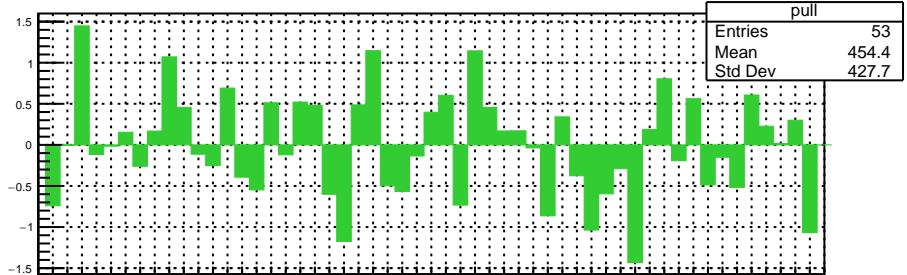
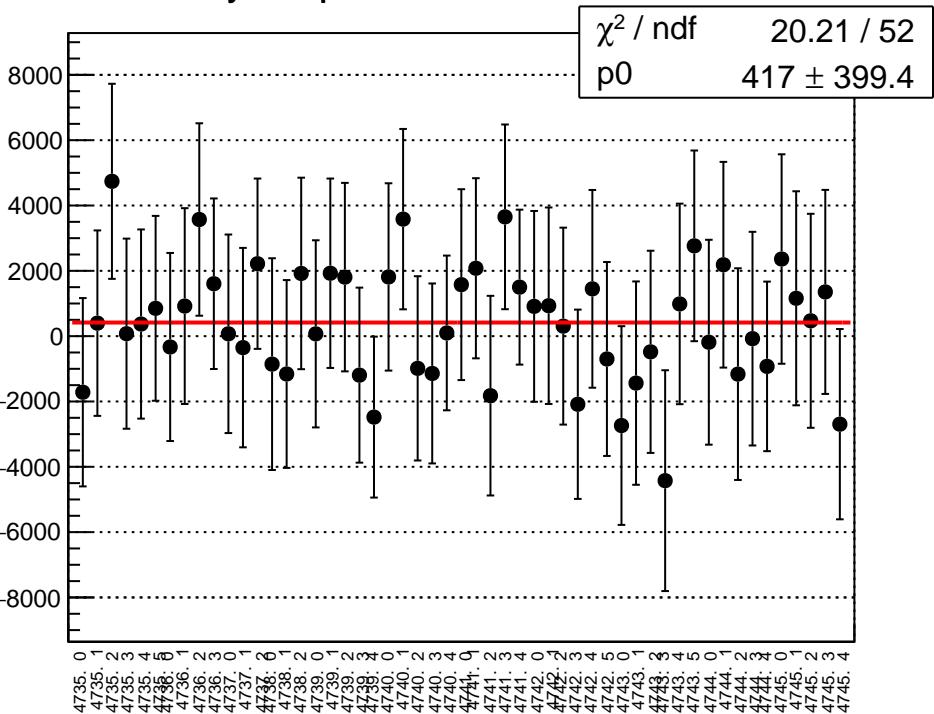
# asym\_bpm2i01WS\_mean vs run



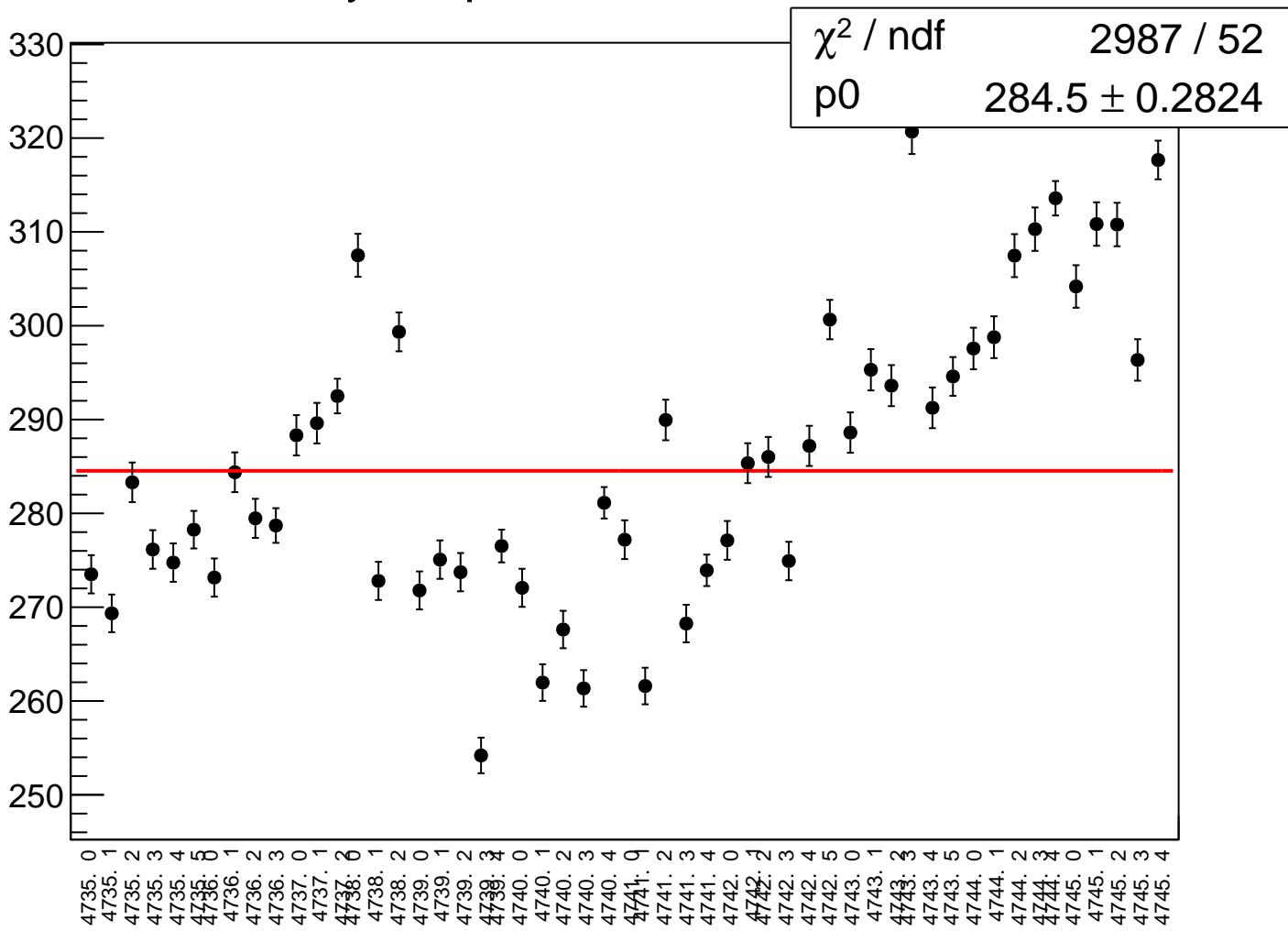
# asym\_bpm2i01WS\_rms vs run



# asym\_bpm0i07WS\_mean vs run

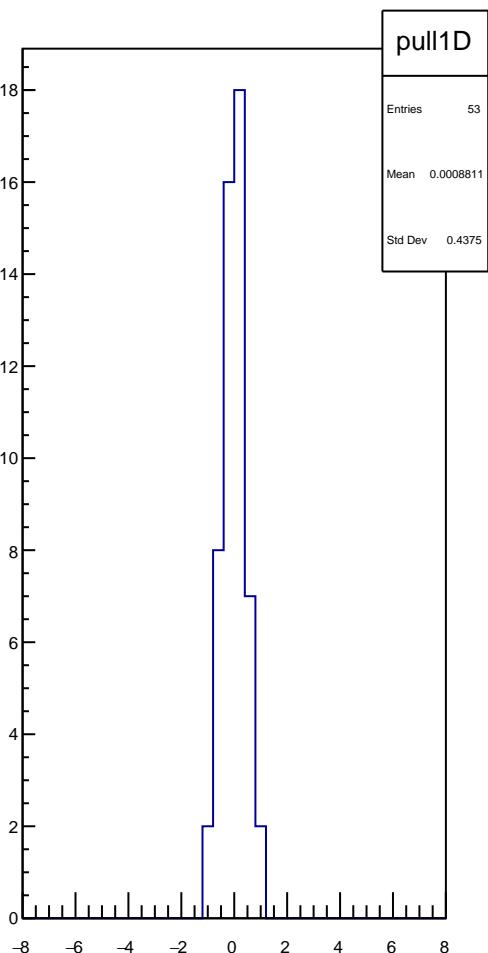
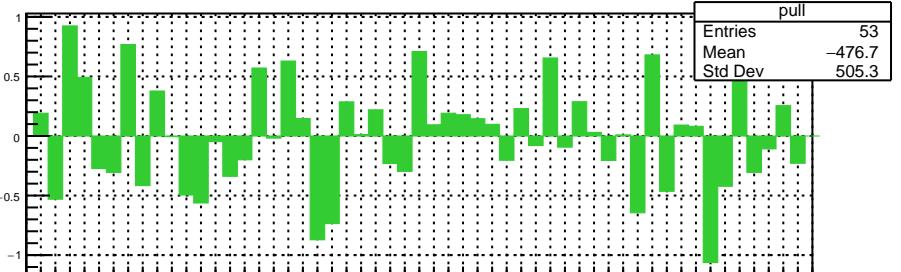
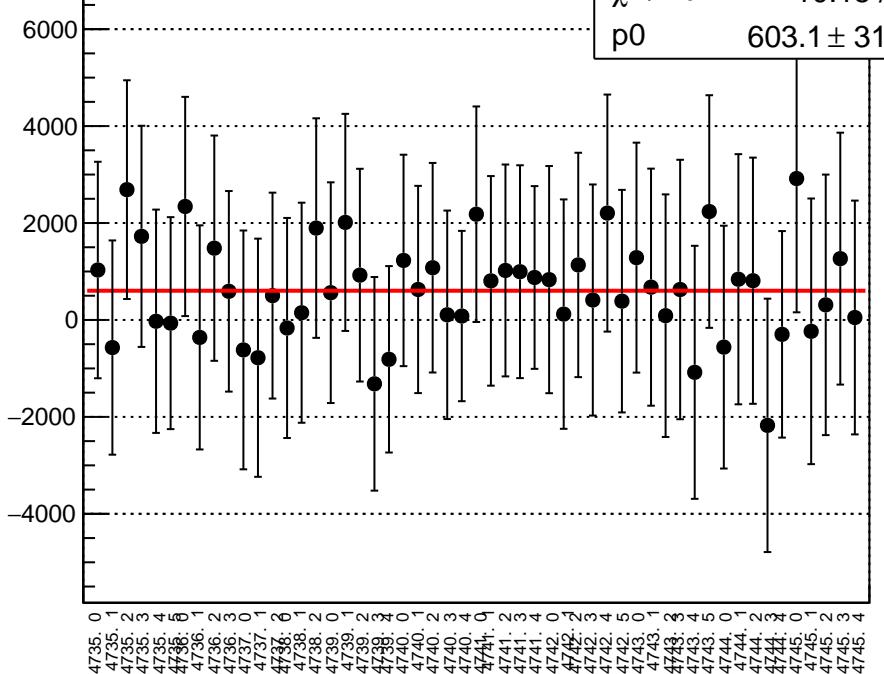


# asym\_bpm0i07WS\_rms vs run

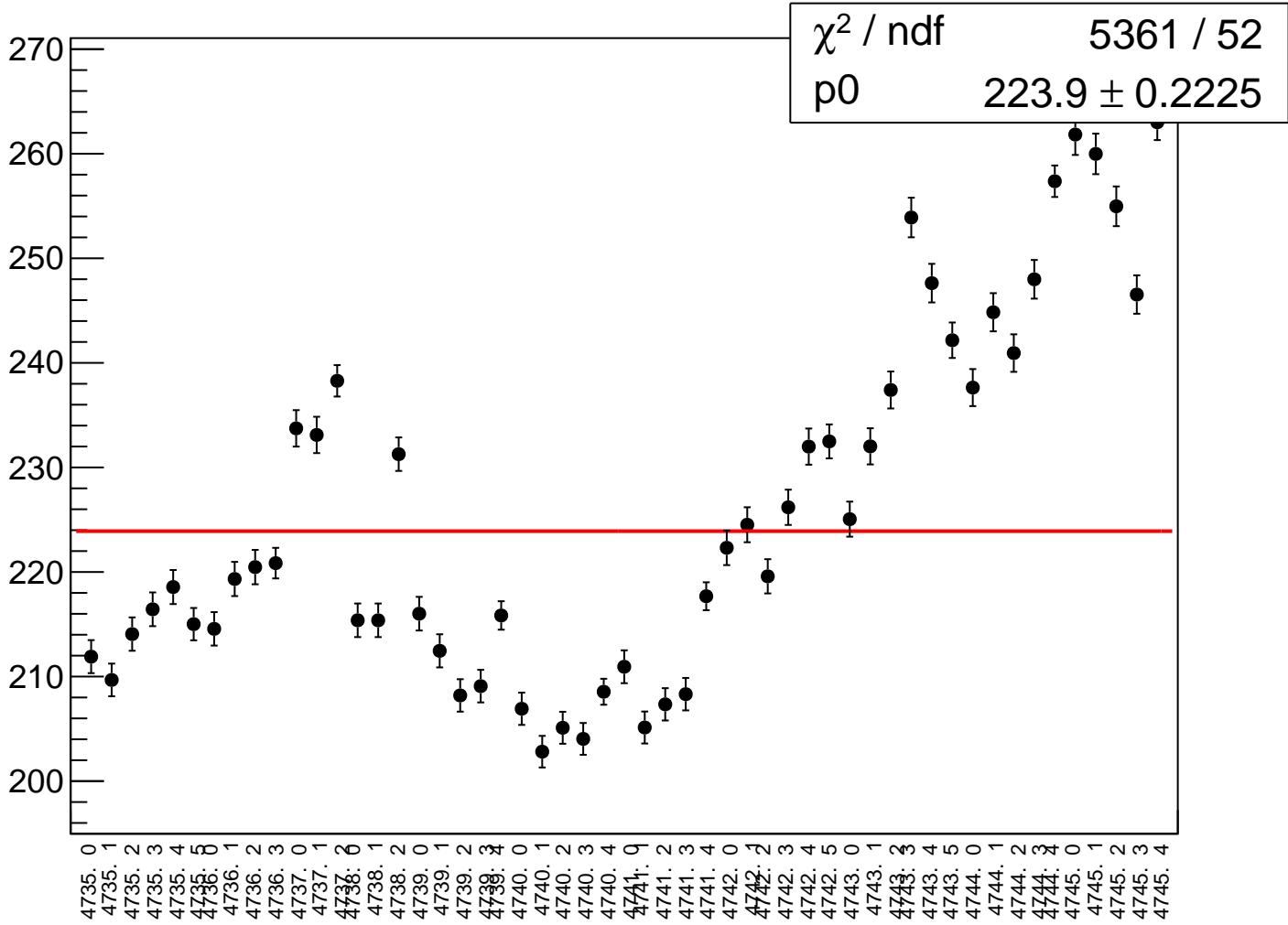


# asym\_bpm0l01WS\_mean vs run

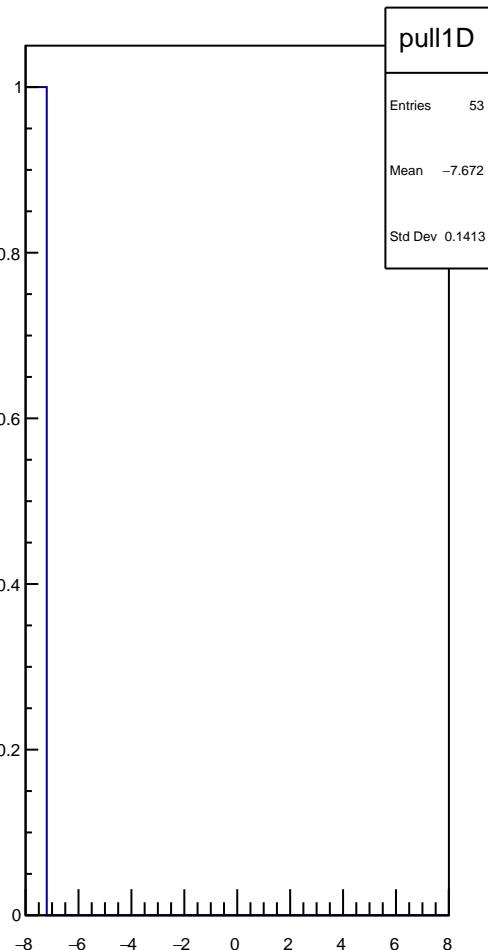
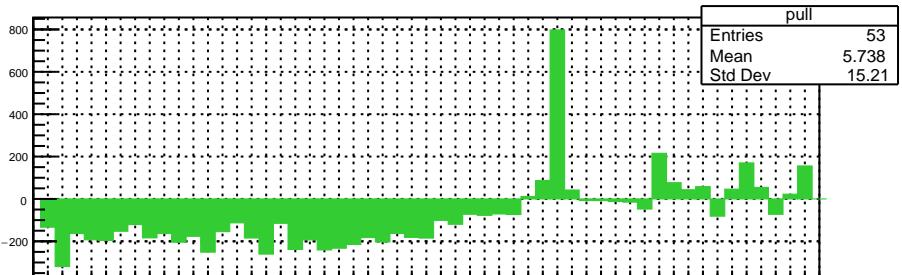
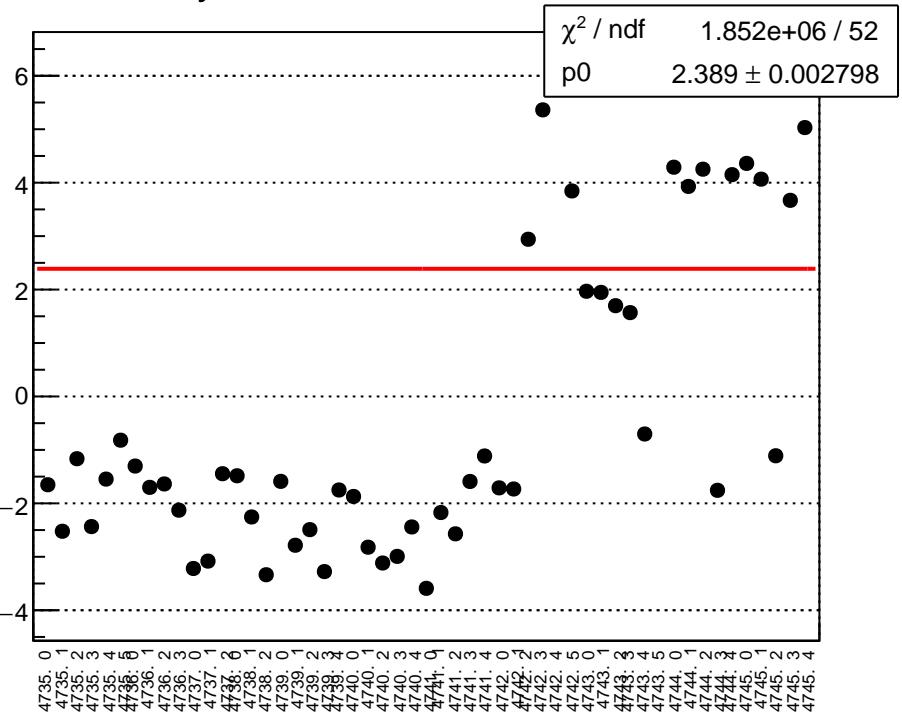
$\chi^2 / \text{ndf}$  10.15 / 52  
 $p_0$   $603.1 \pm 314.7$



# asym\_bpm0l01WS\_rms vs run

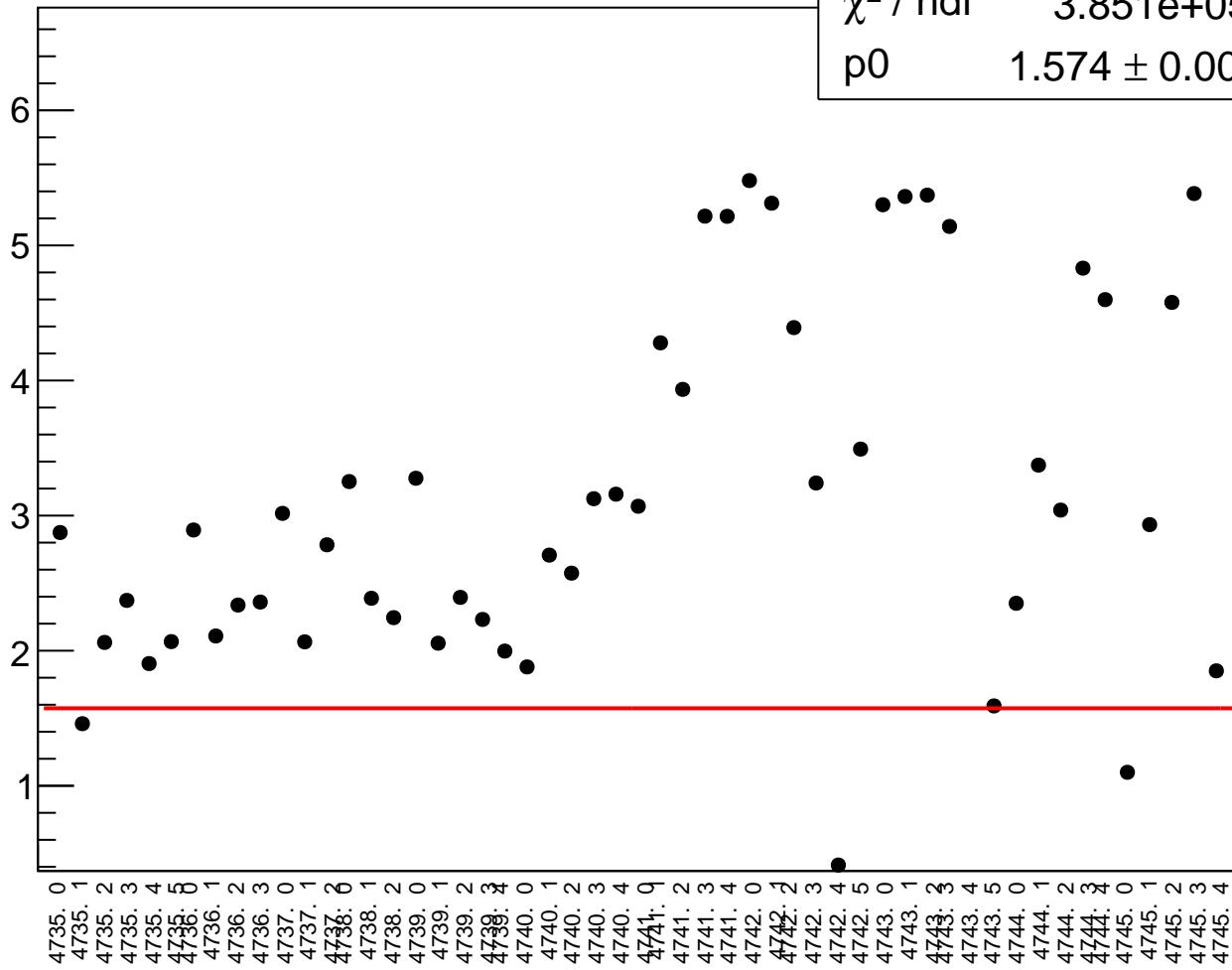


# yield\_cav4bX\_mean vs run

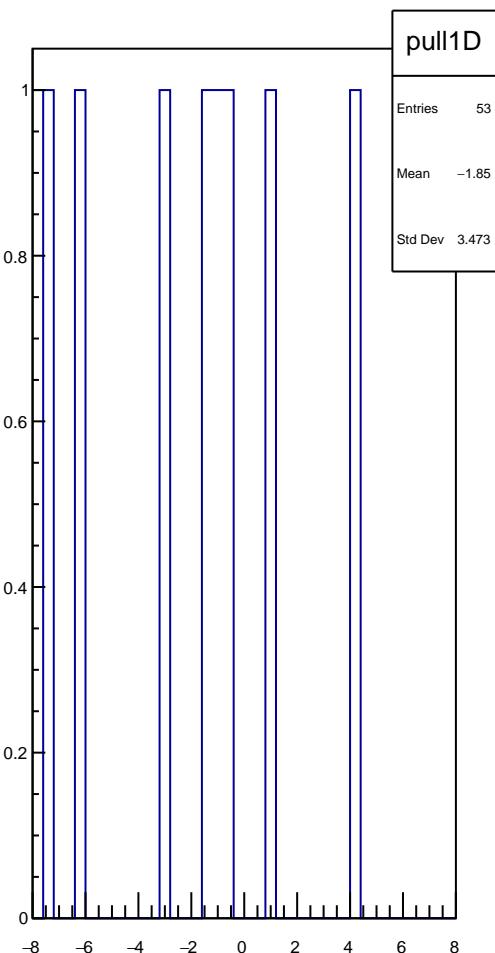
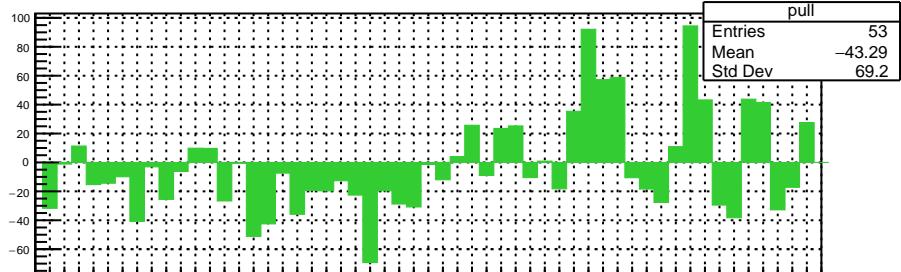
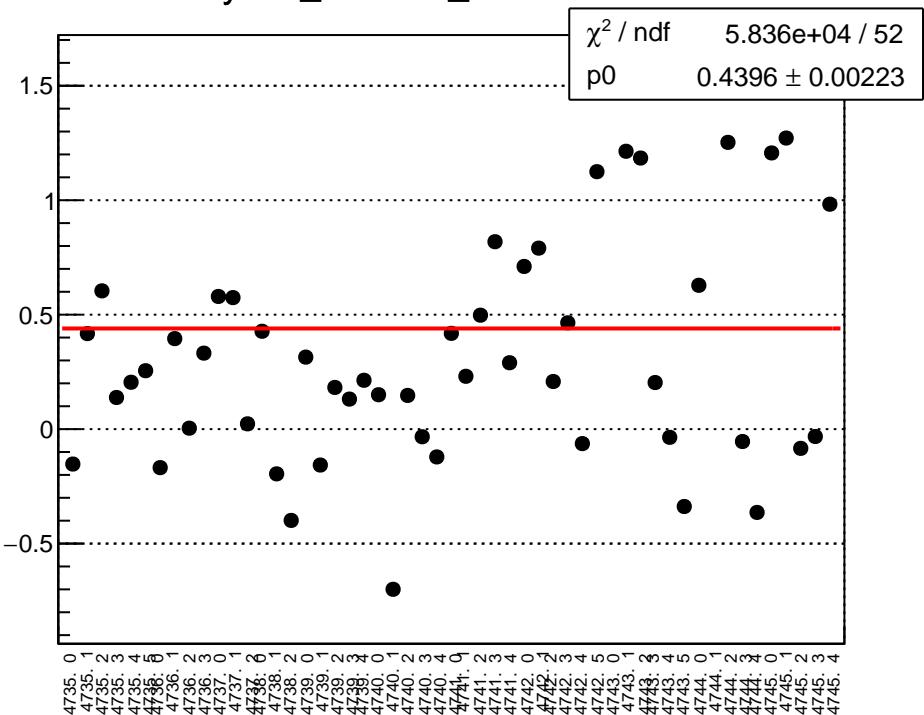


# yield\_cav4bX\_rms vs run

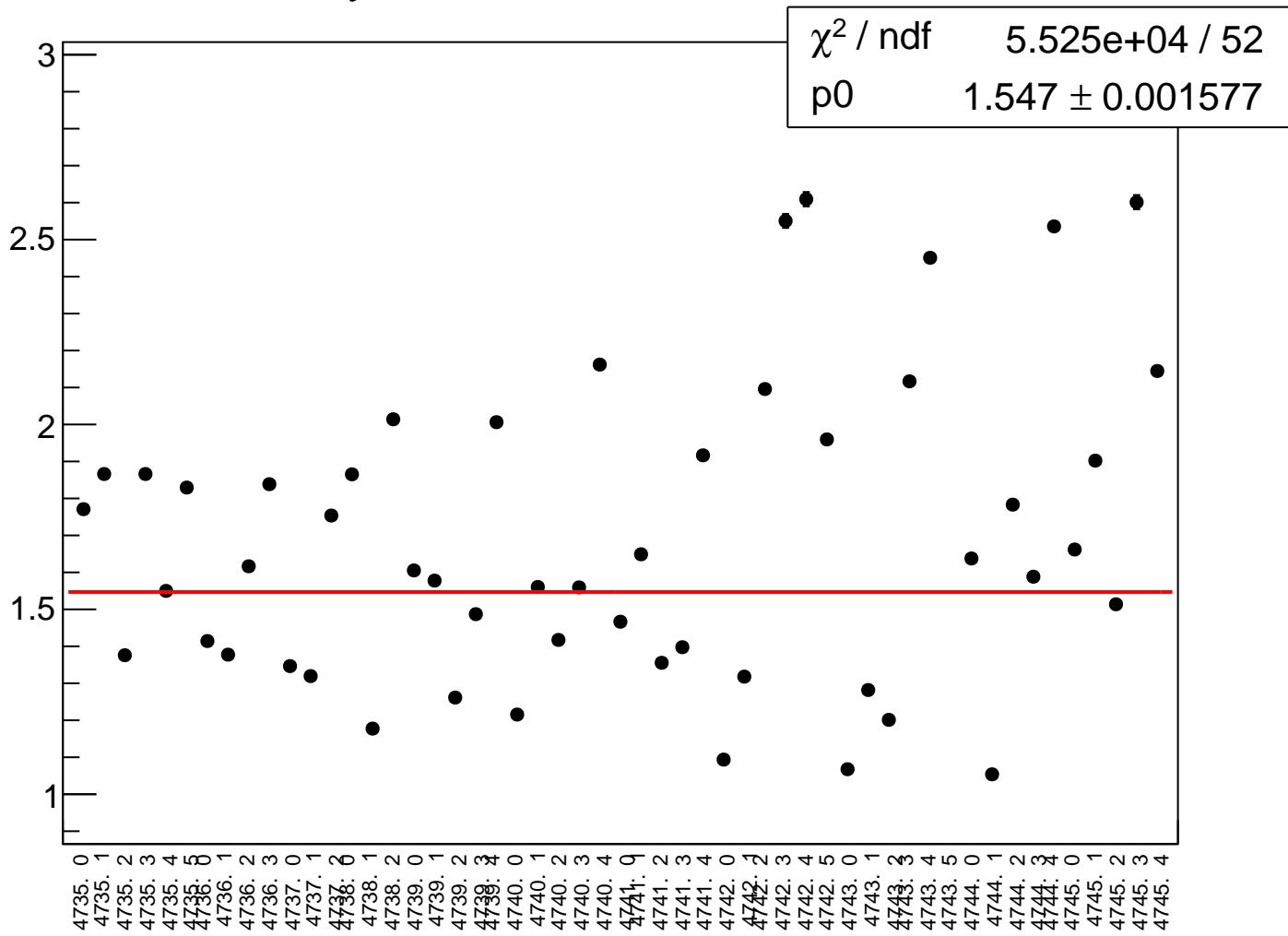
$\chi^2 / \text{ndf}$      $3.851\text{e+}05 / 52$   
 $p0$          $1.574 \pm 0.001978$



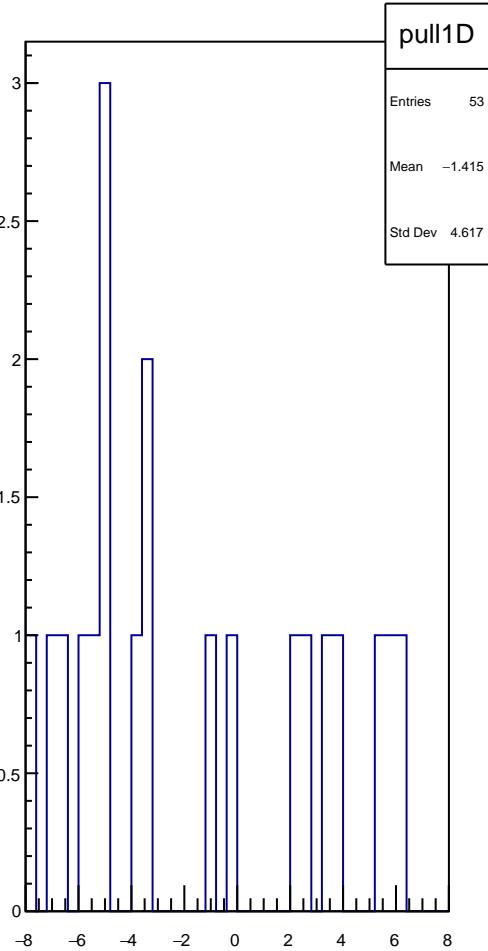
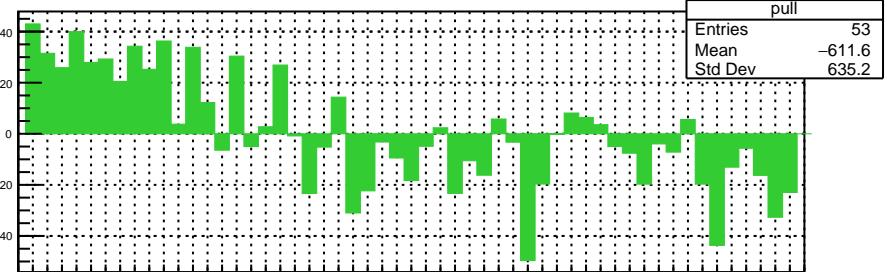
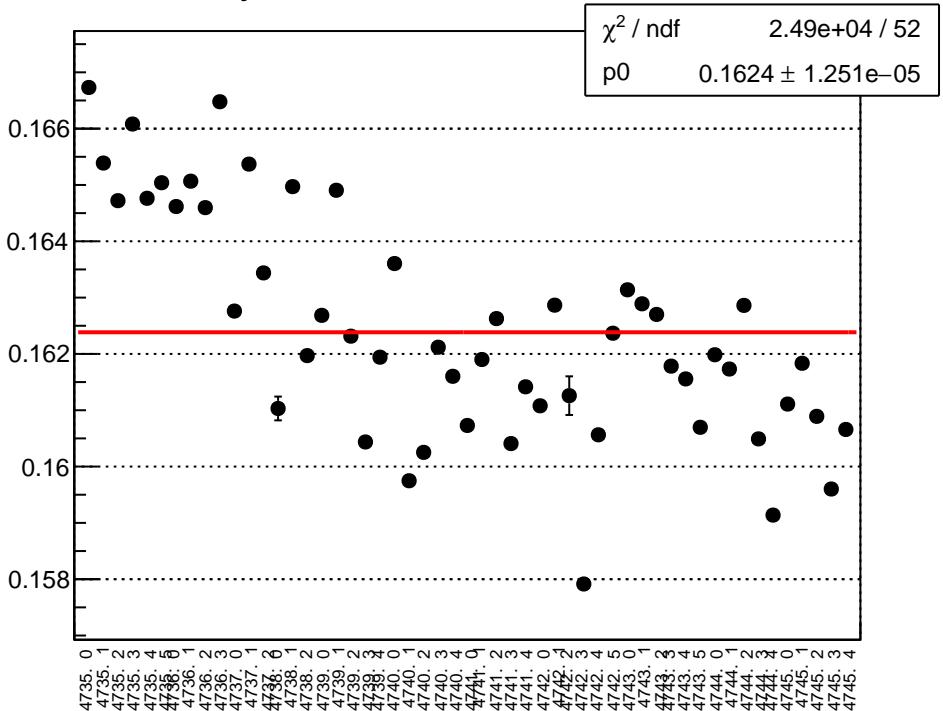
# yield\_cav4bY\_mean vs run



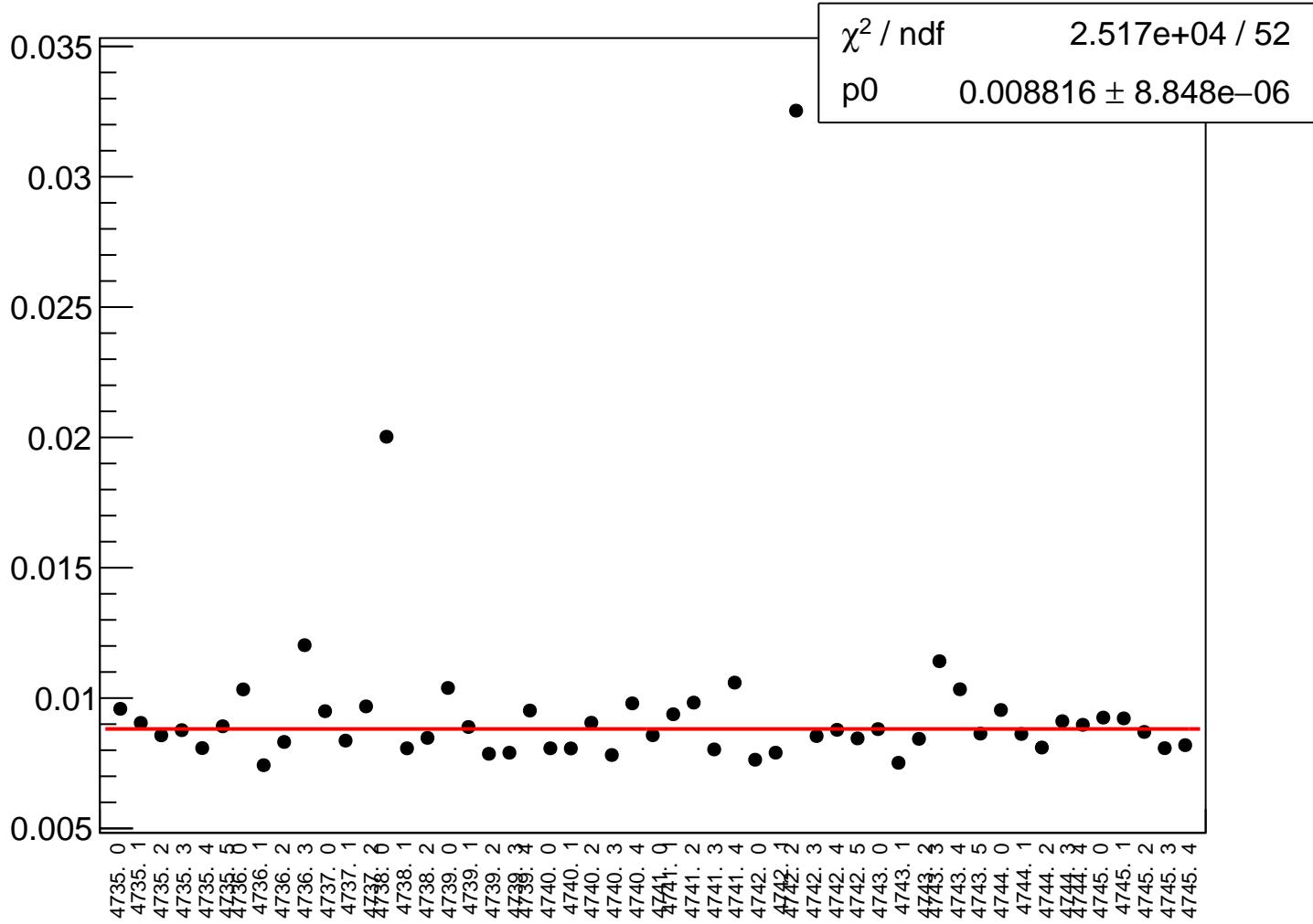
# yield\_cav4bY\_rms vs run



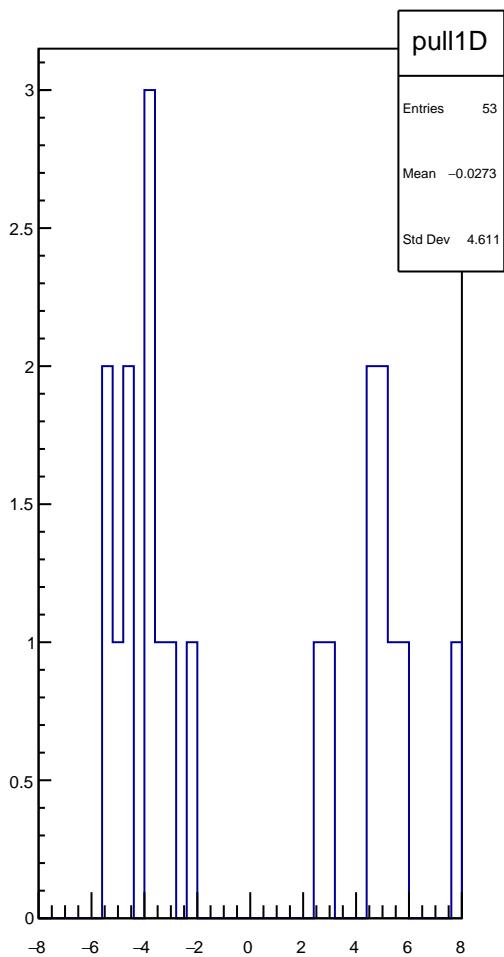
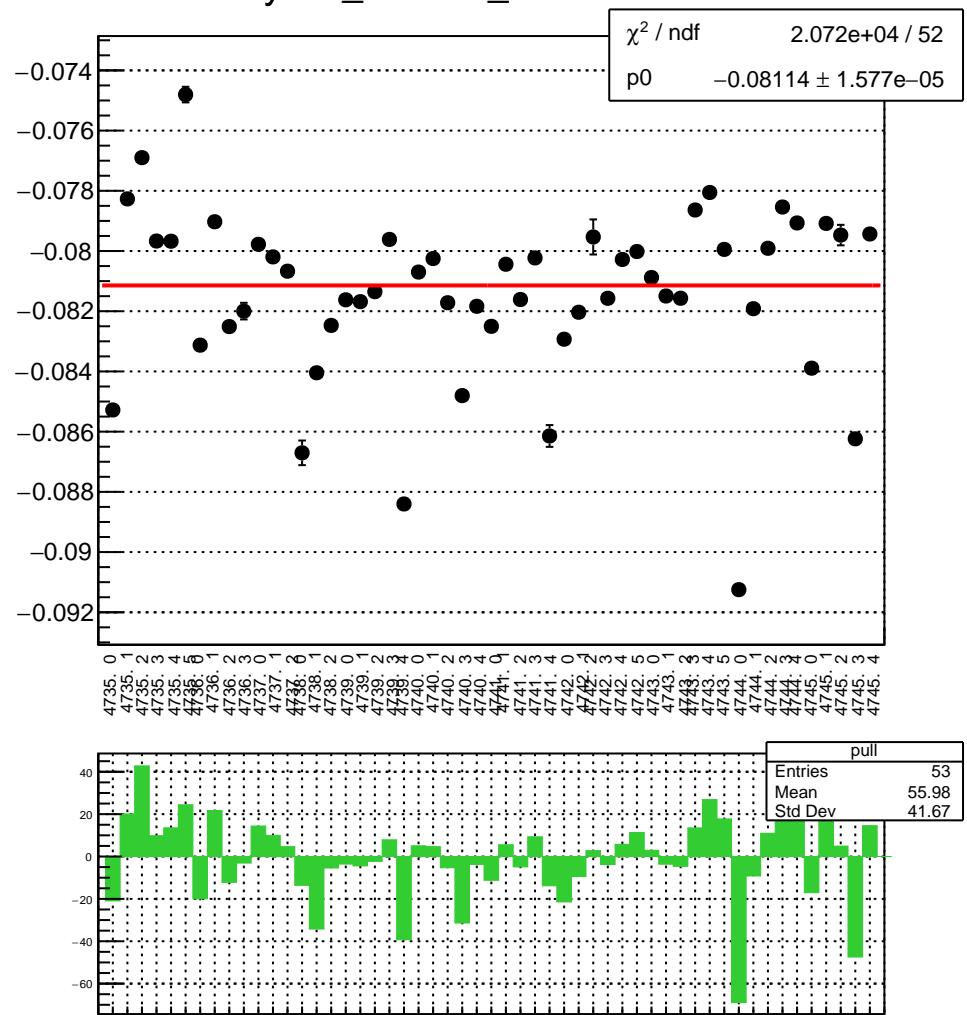
# yield\_cav4cX\_mean vs run



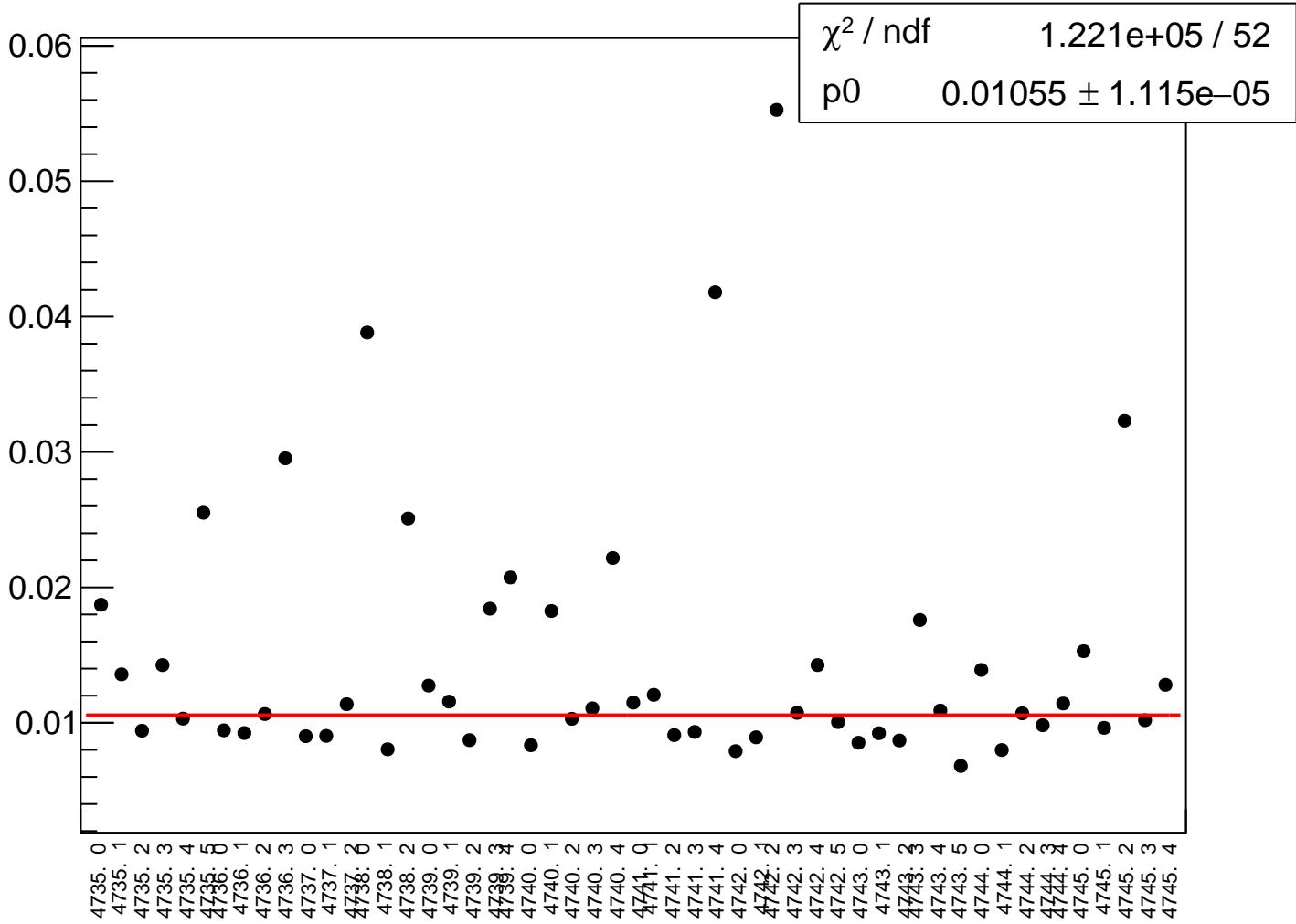
# yield\_cav4cX\_rms vs run



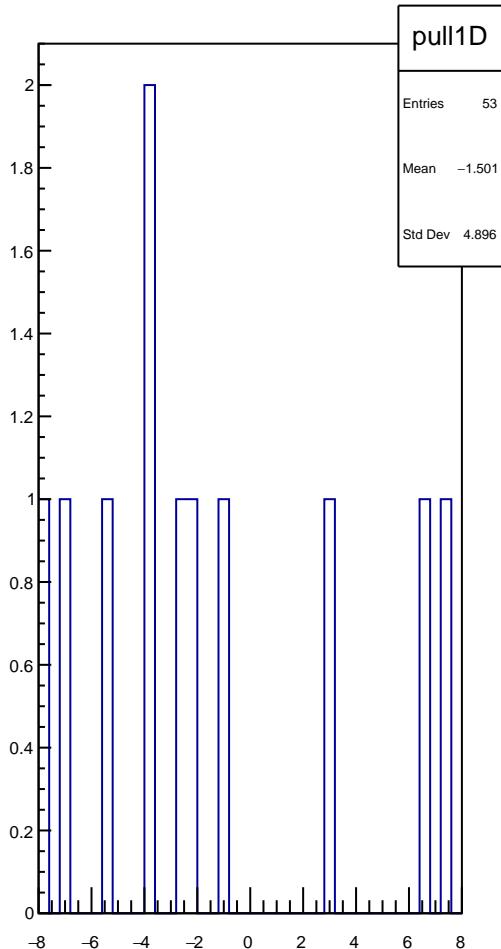
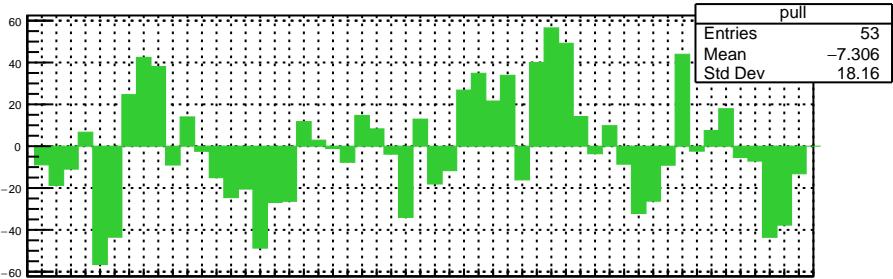
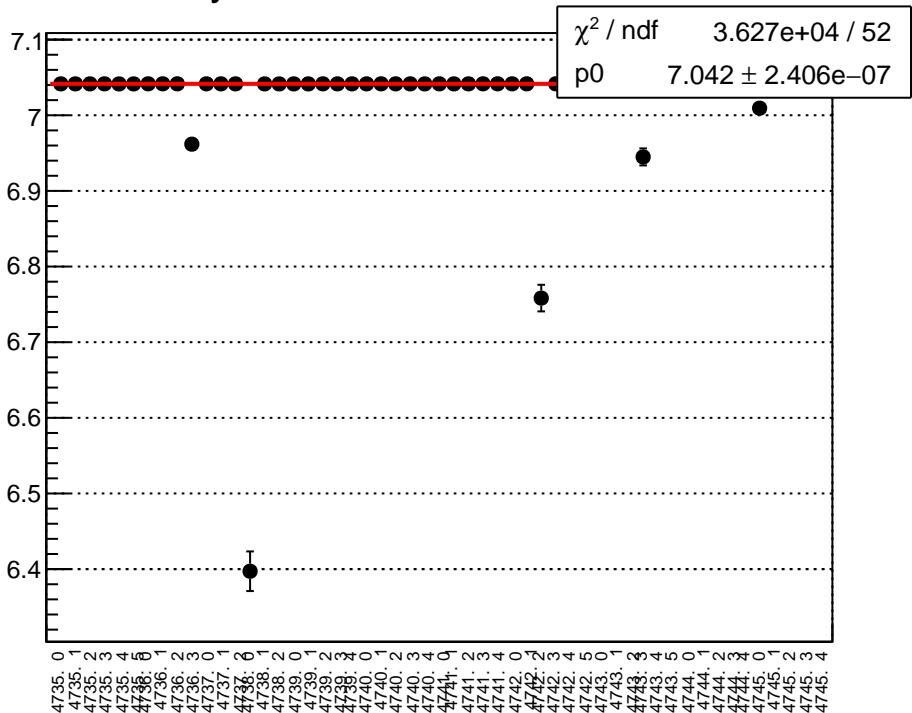
# yield\_cav4cY\_mean vs run



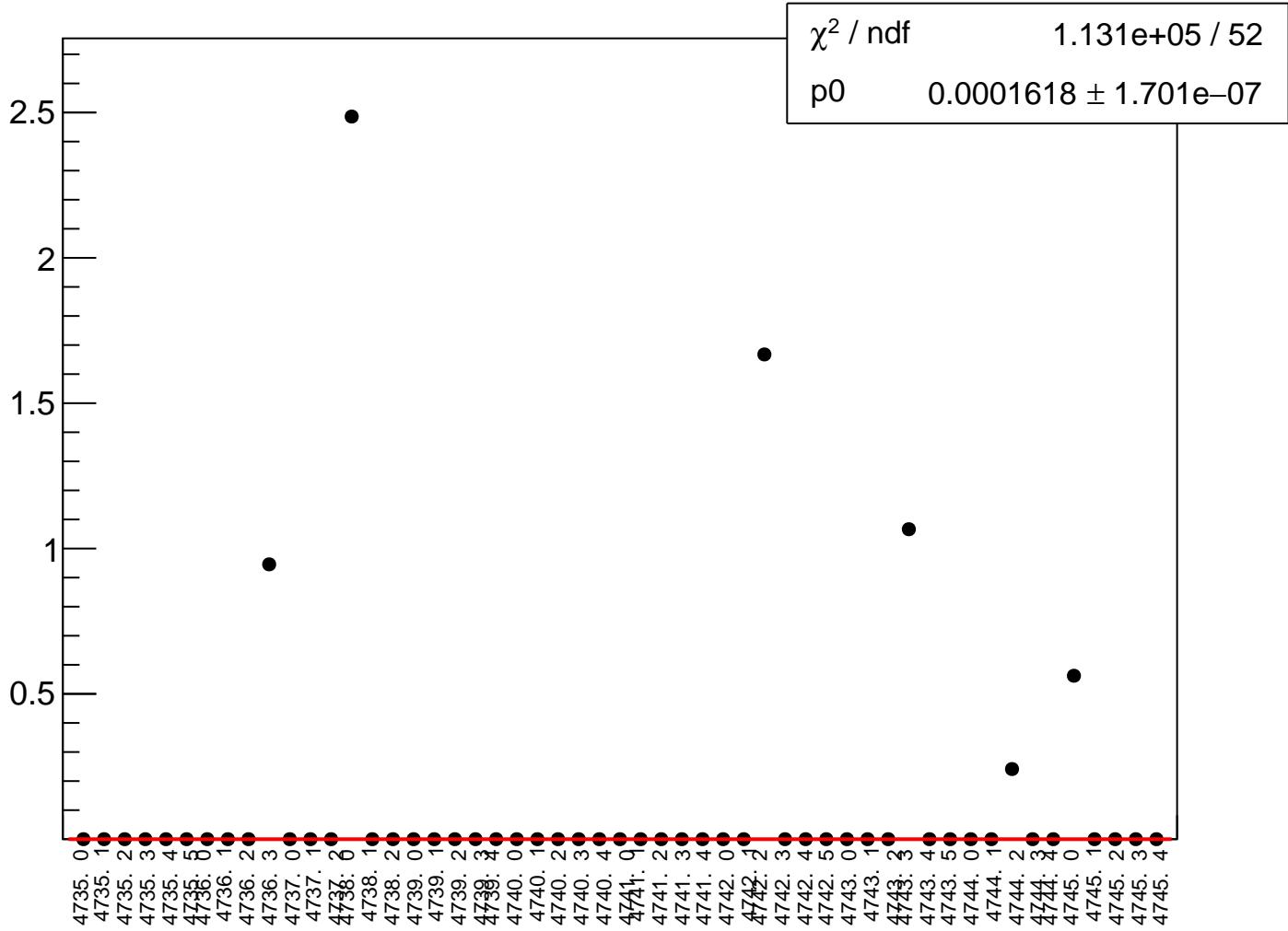
# yield\_cav4cY\_rms vs run



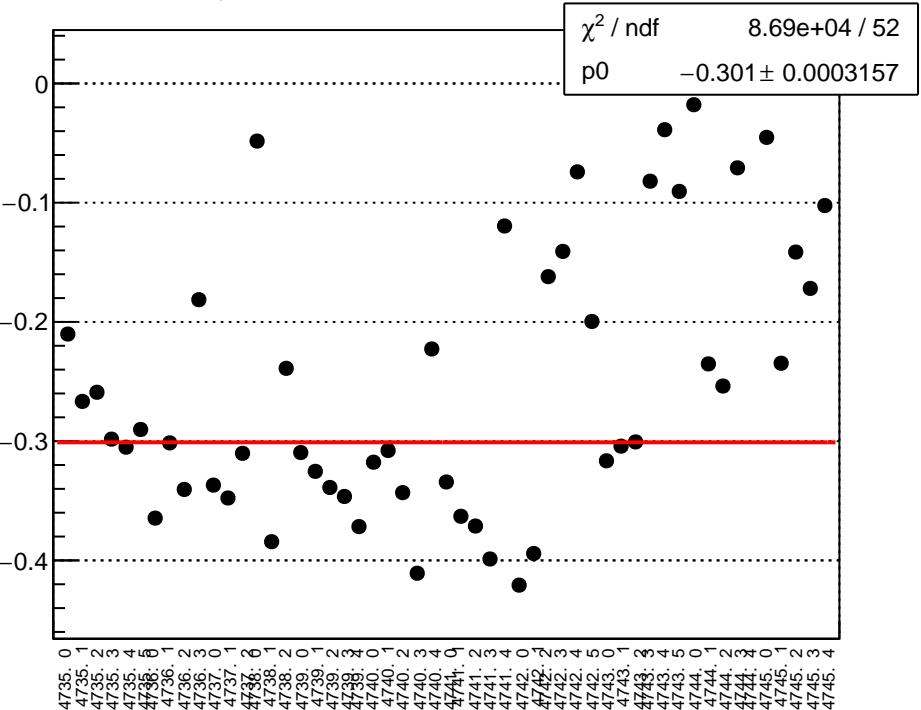
# yield\_cav4dX\_mean vs run



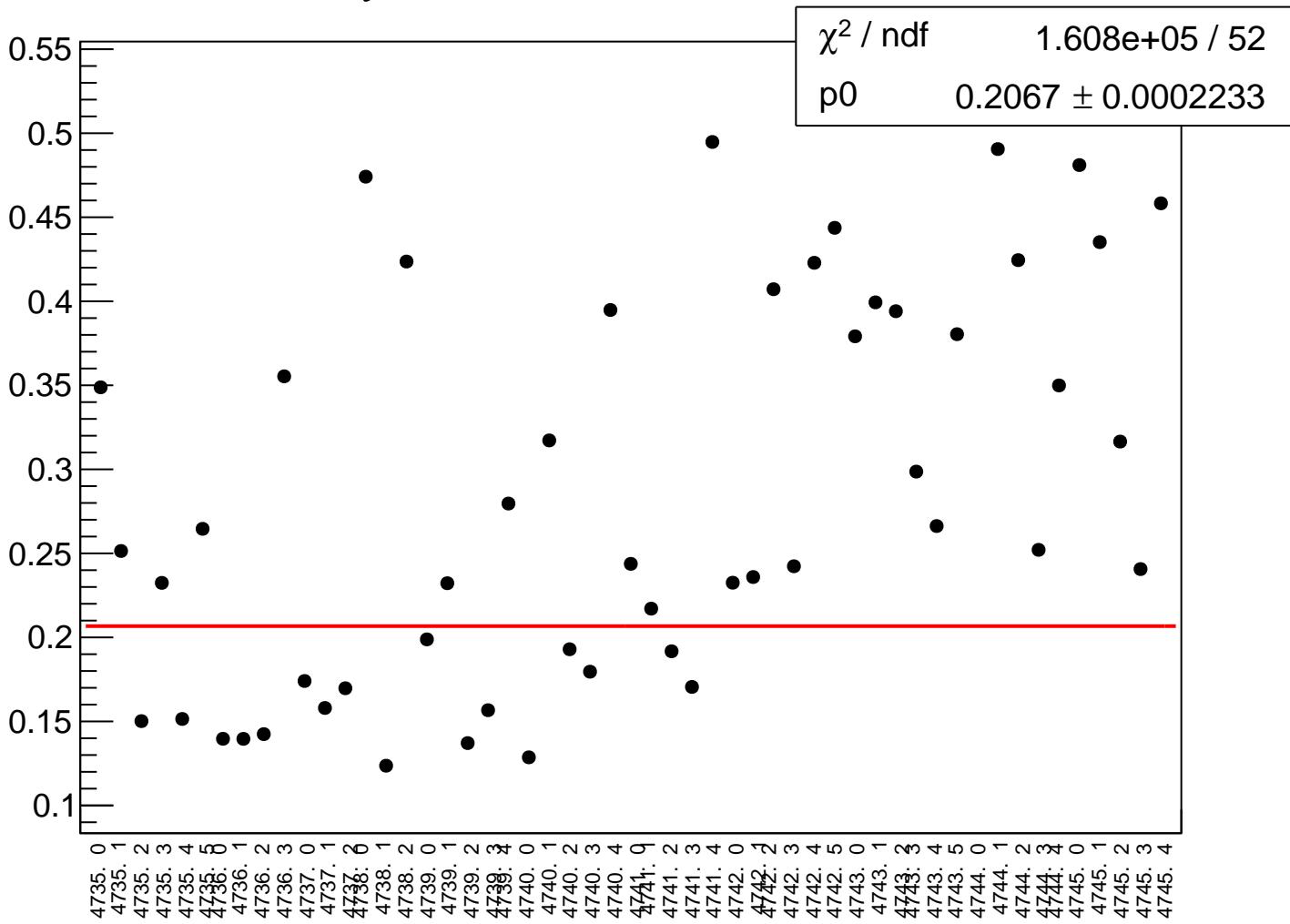
# yield\_cav4dX\_rms vs run



# yield\_cav4dY\_mean vs run

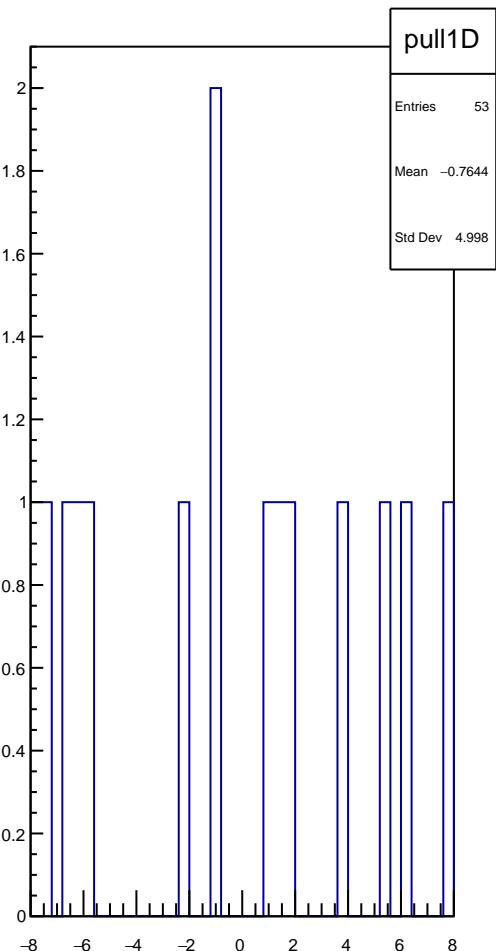
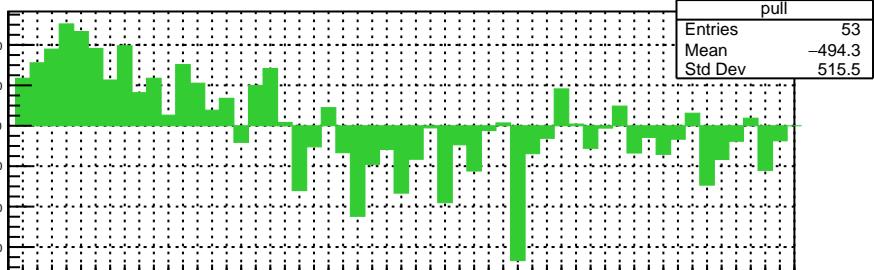
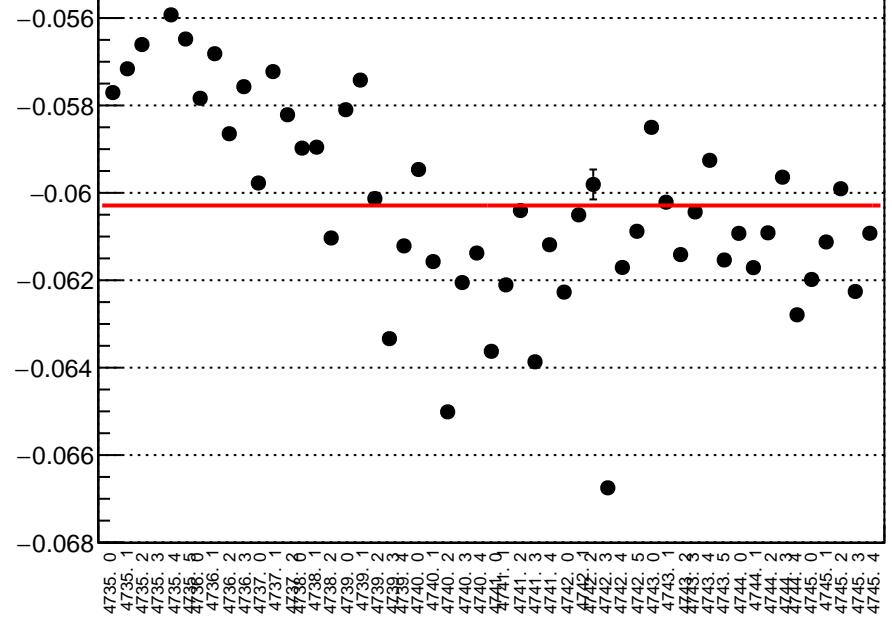


# yield\_cav4dY\_rms vs run

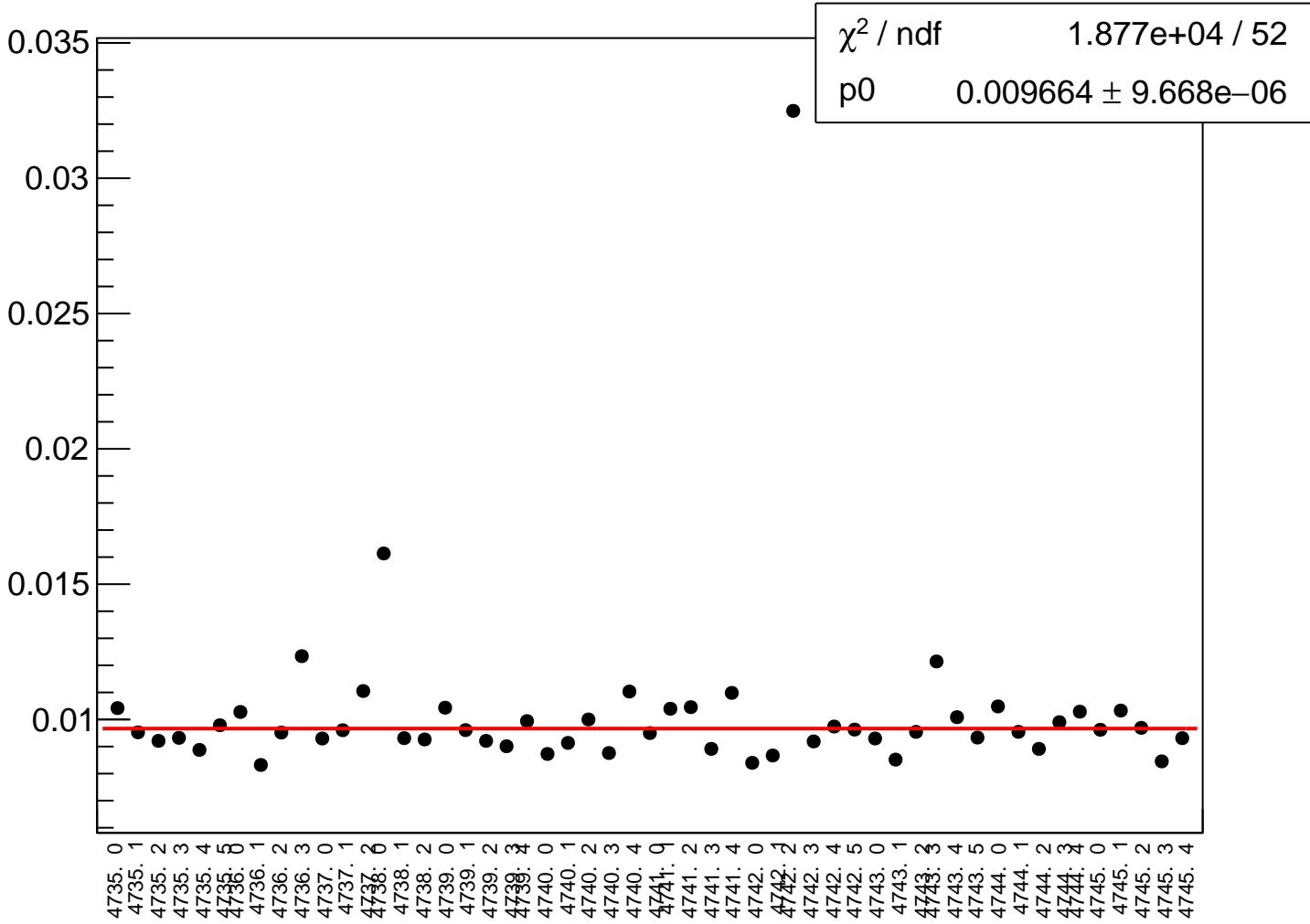


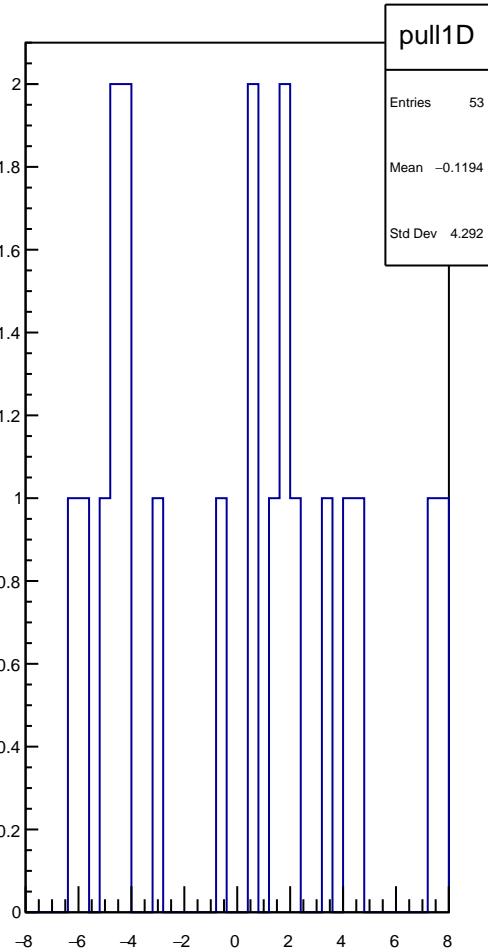
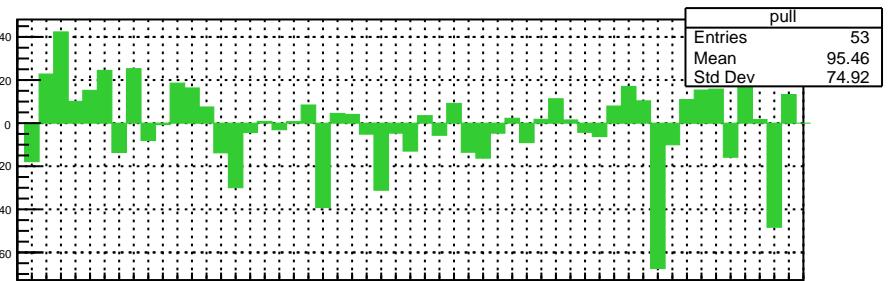
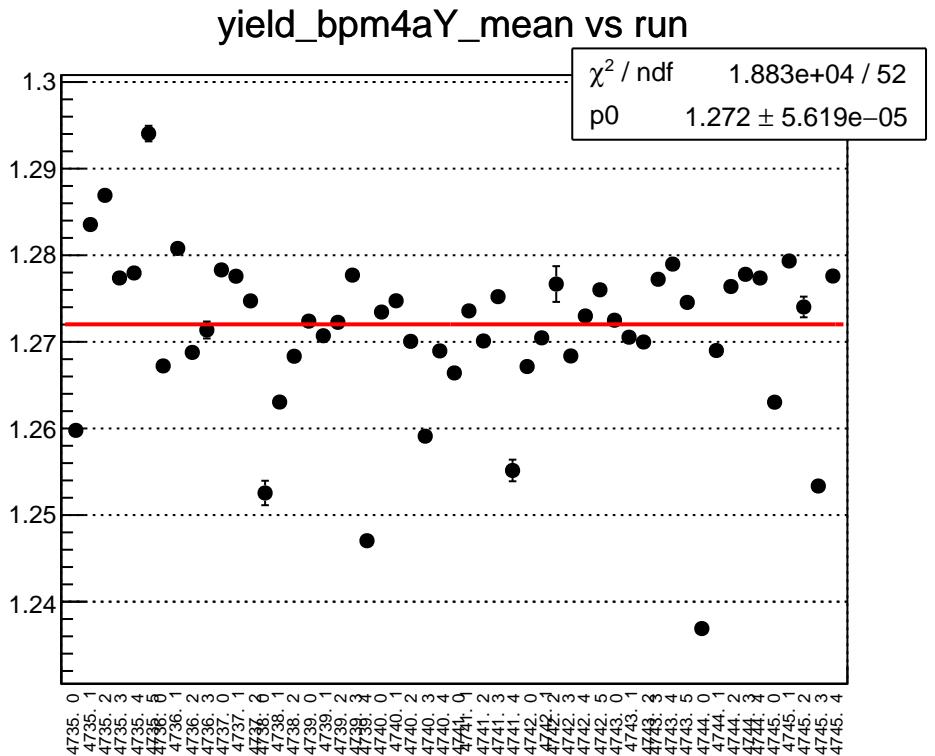
# yield\_bpm4aX\_mean vs run

$\chi^2 / \text{ndf}$  2.977e+04 / 52  
p0  $-0.06029 \pm 1.367\text{e}{-}05$

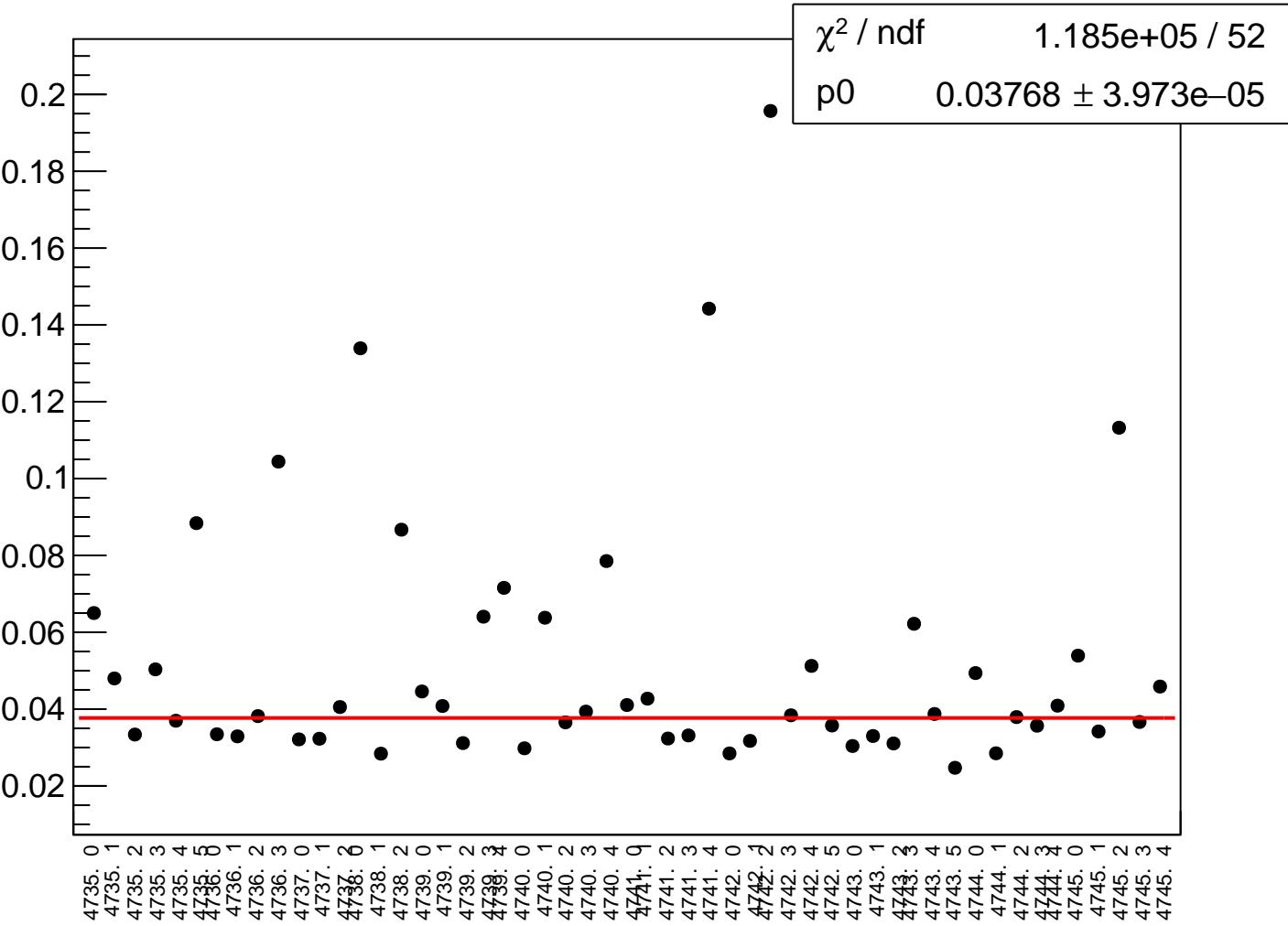


# yield\_bpm4aX\_rms vs run

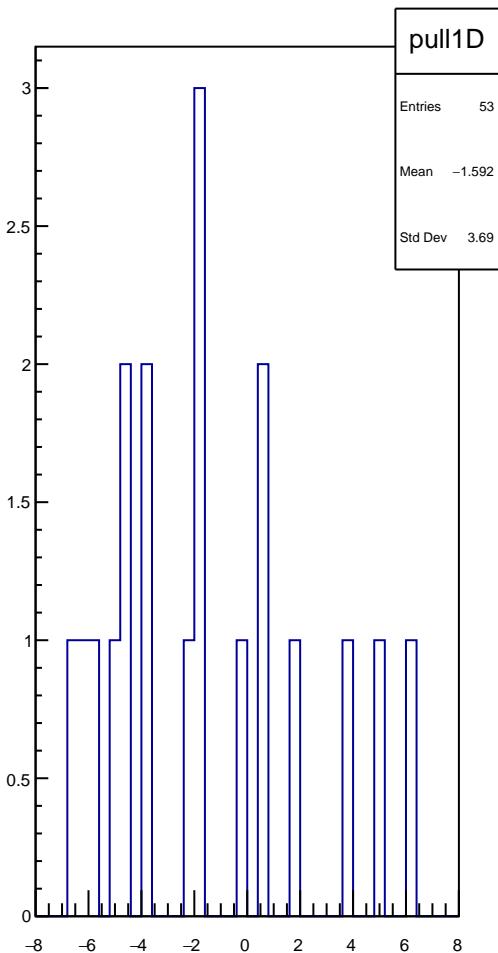
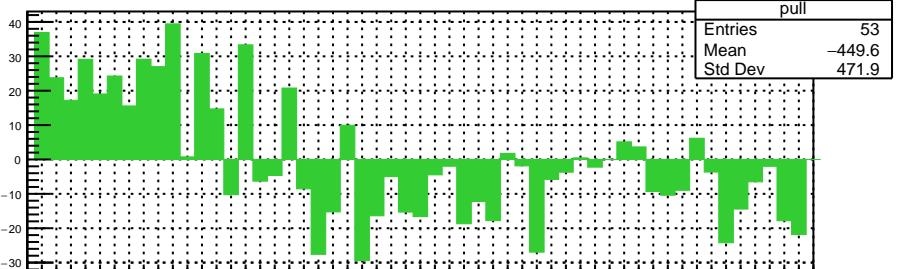
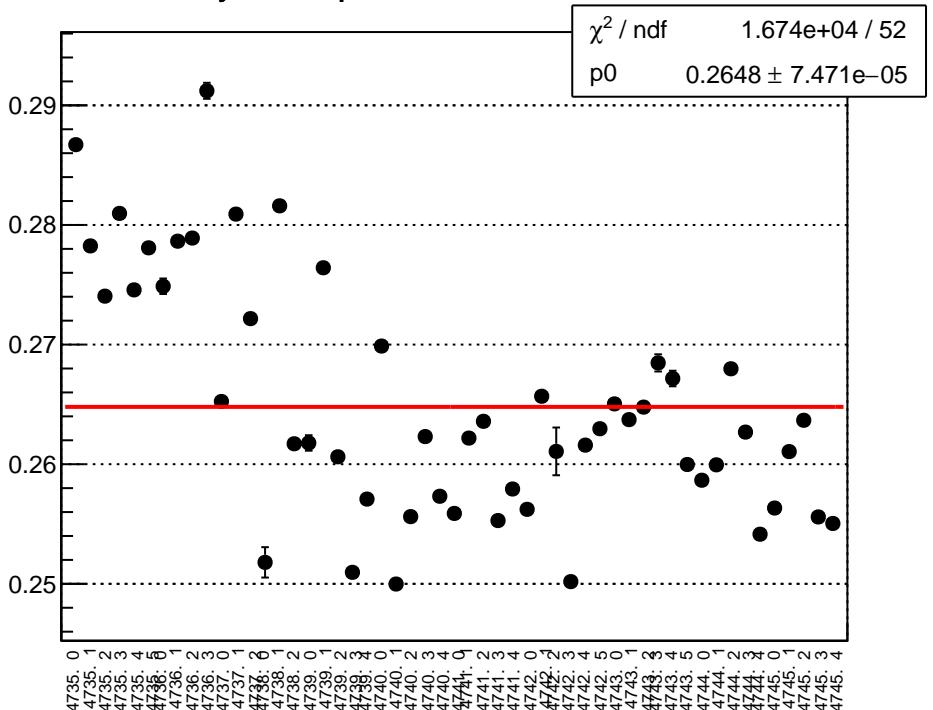




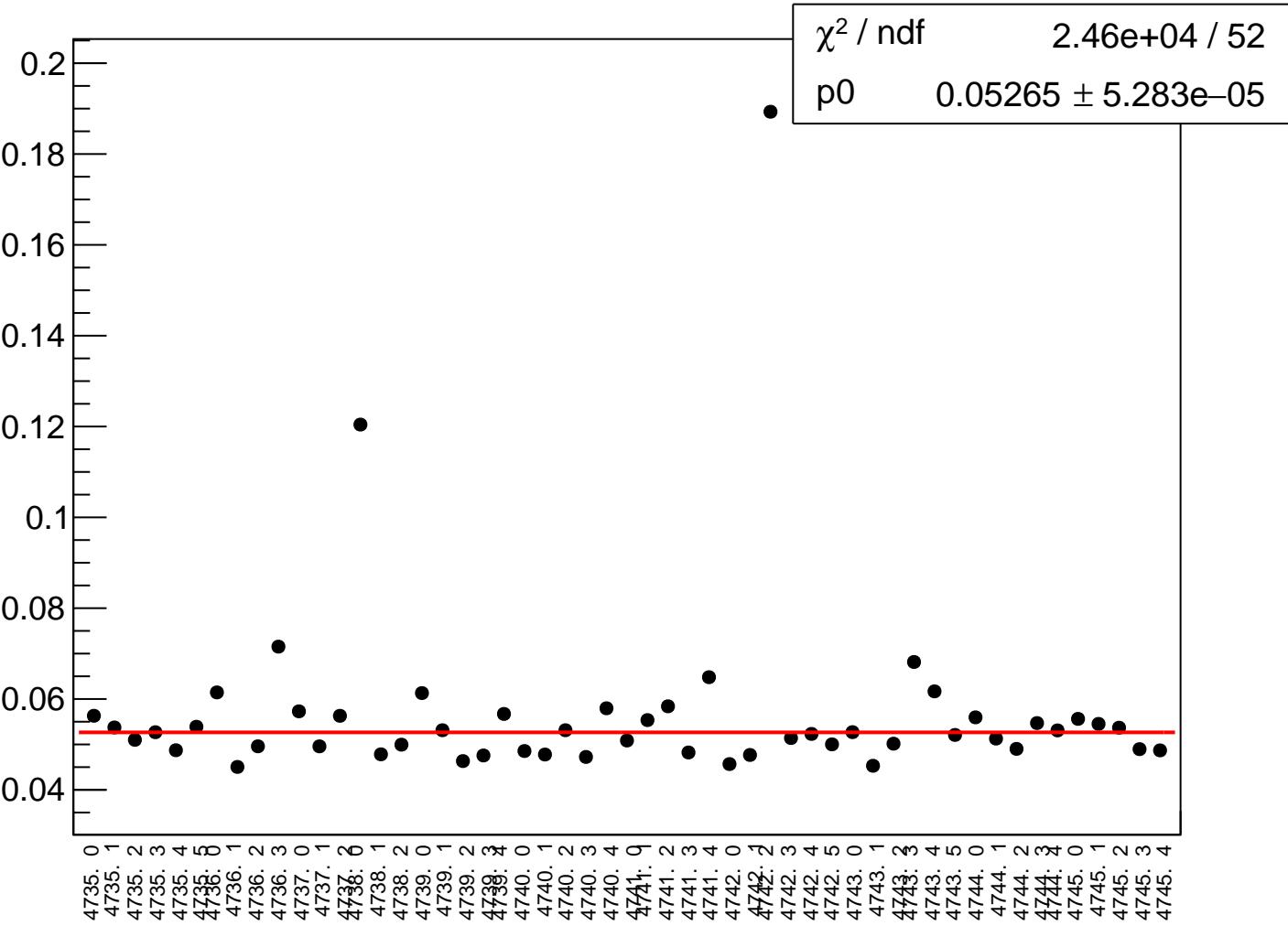
# yield\_bpm4aY\_rms vs run



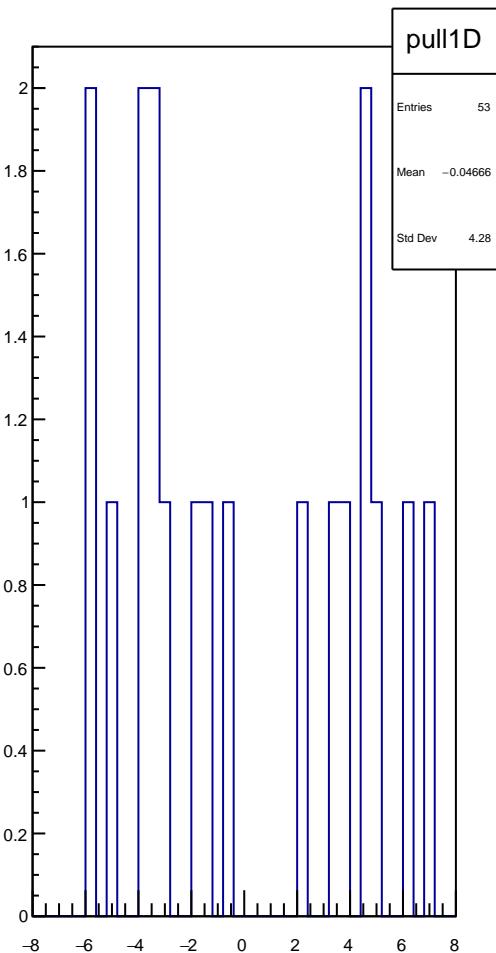
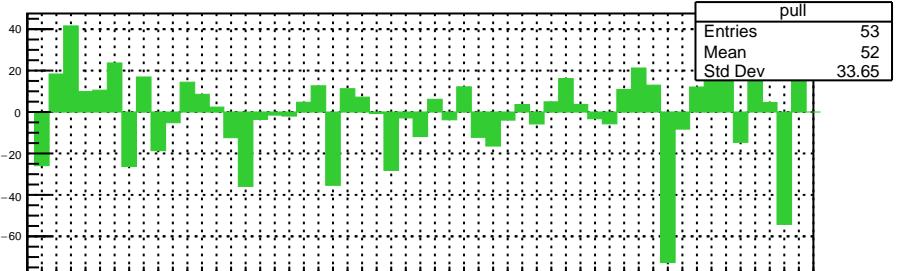
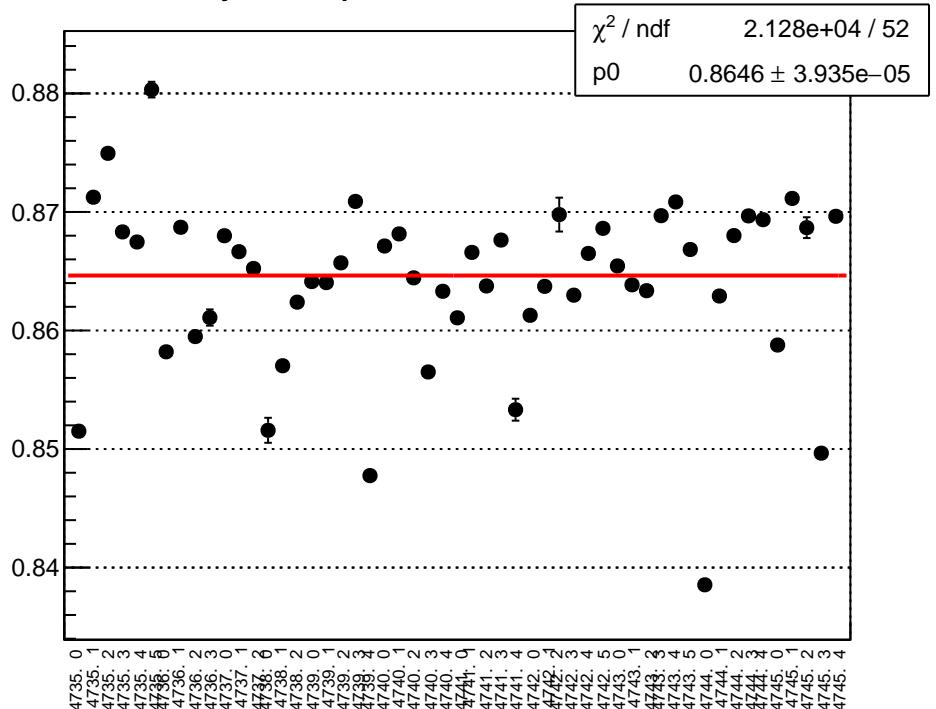
# yield\_bpm4eX\_mean vs run



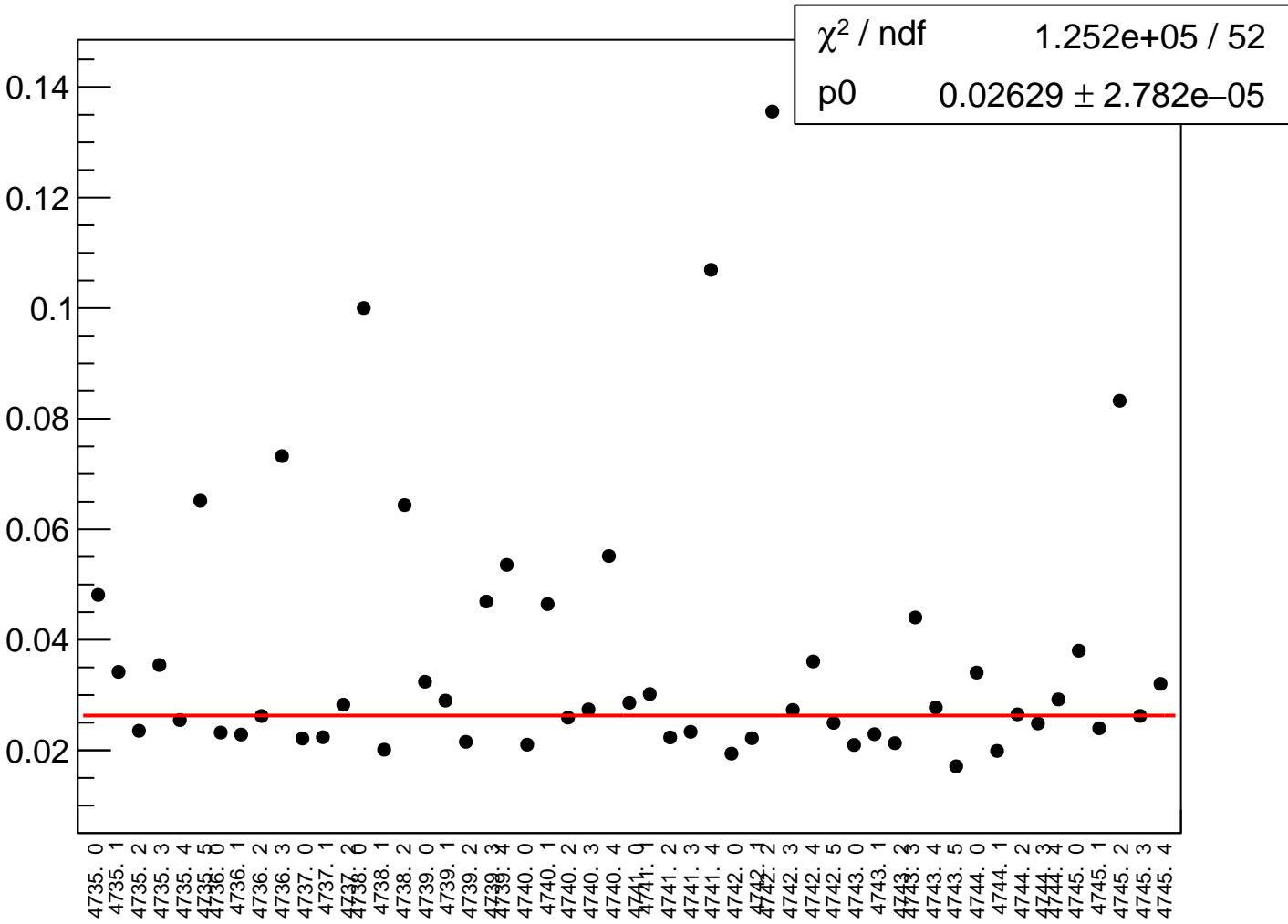
# yield\_bpm4eX\_rms vs run



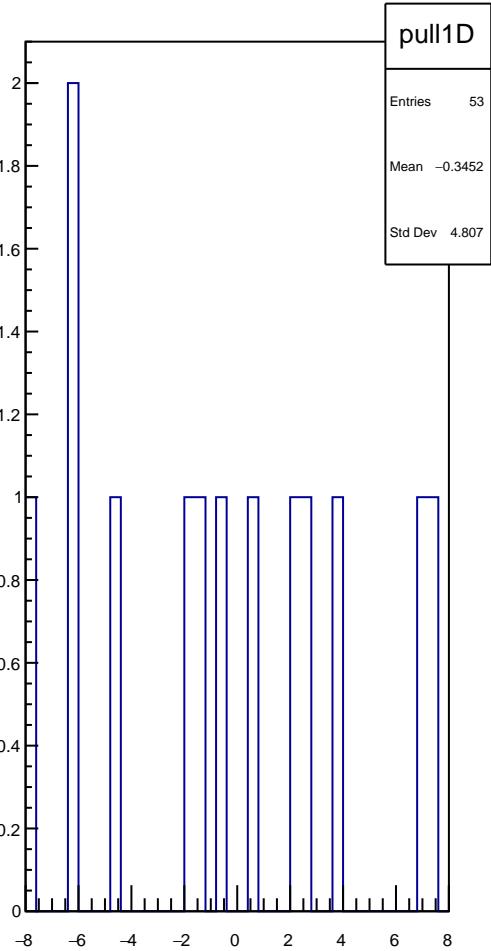
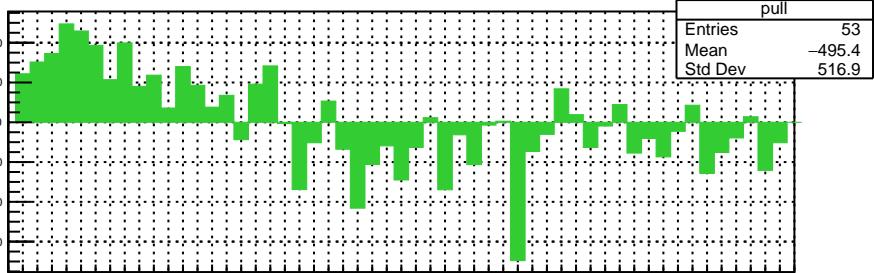
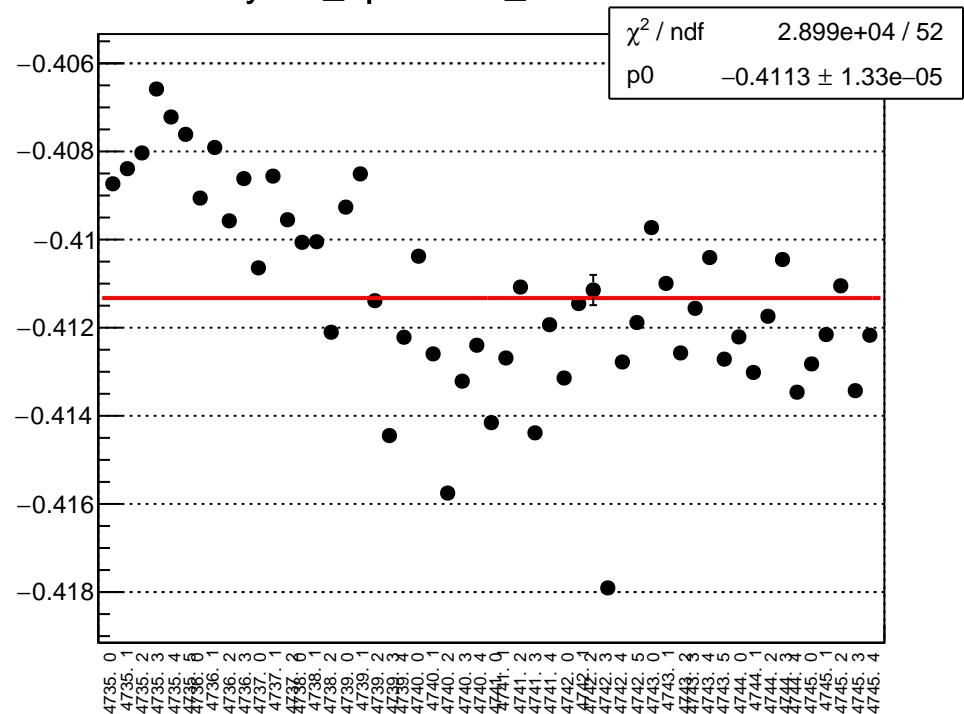
# yield\_bpm4eY\_mean vs run



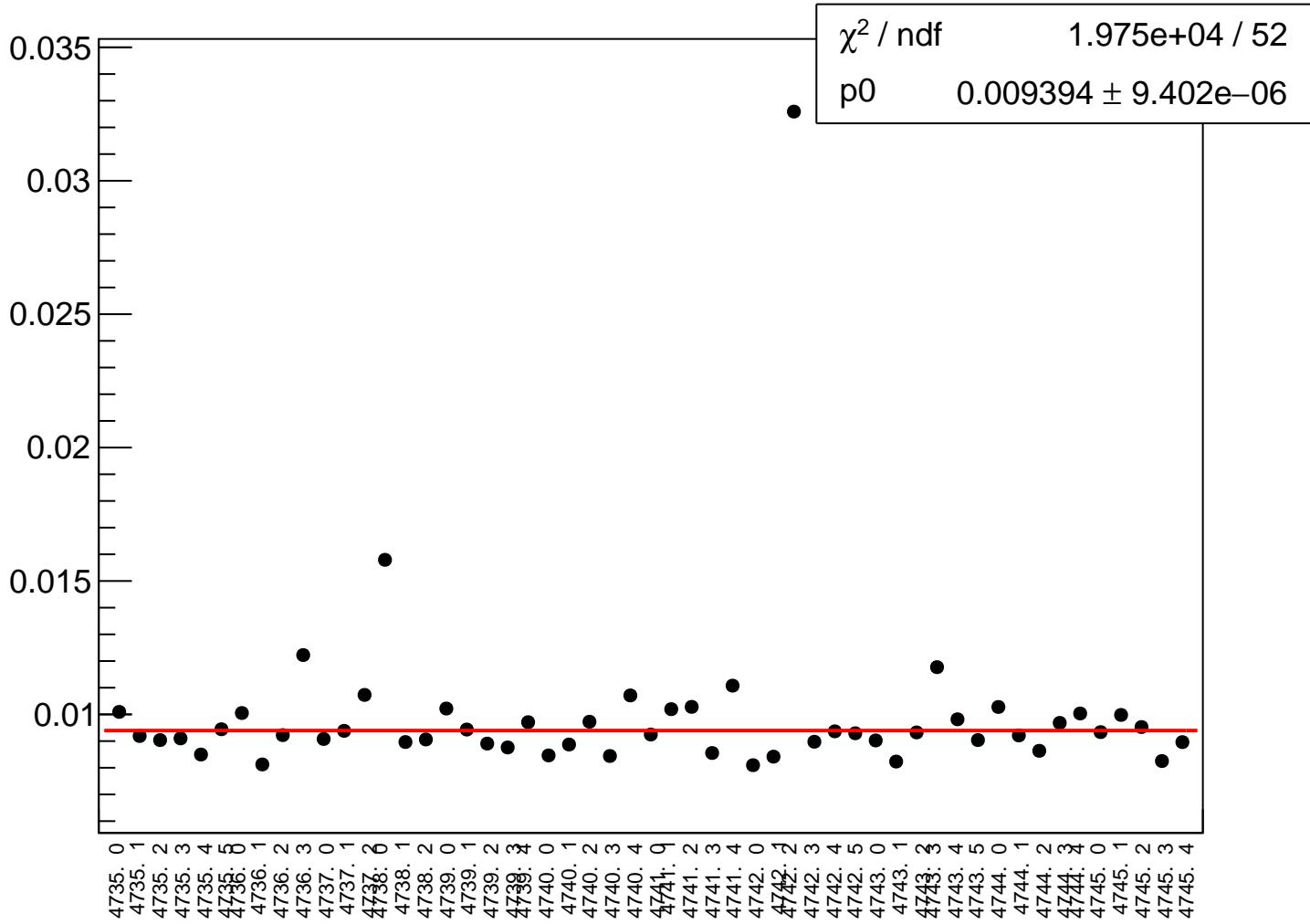
# yield\_bpm4eY\_rms vs run



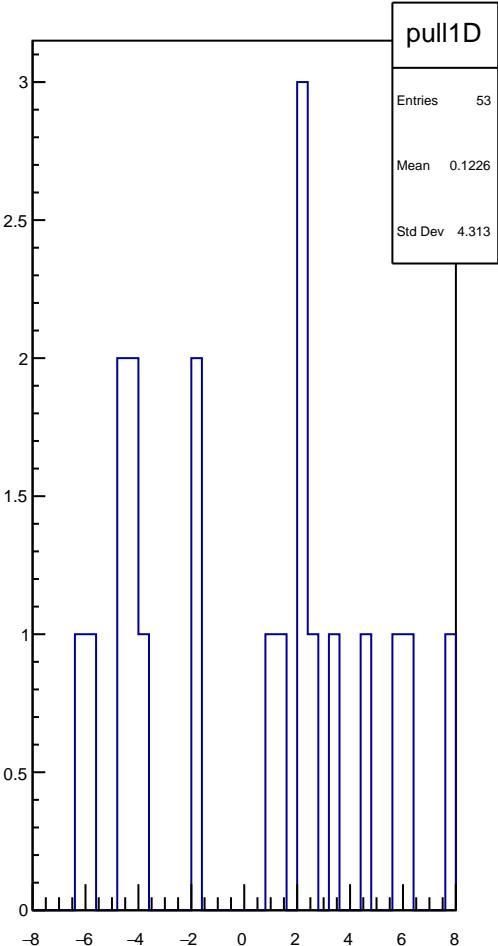
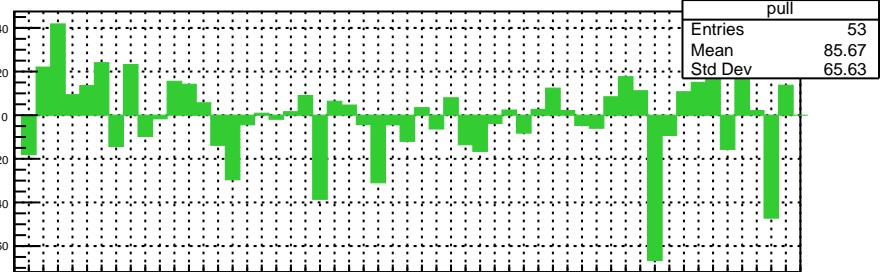
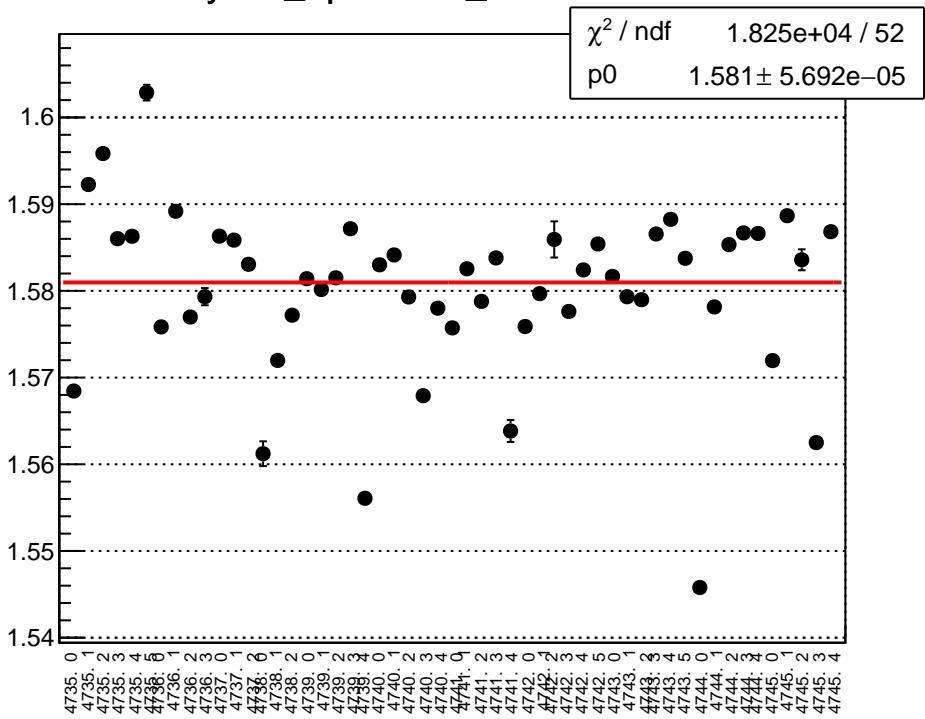
# yield\_bpm4acX\_mean vs run



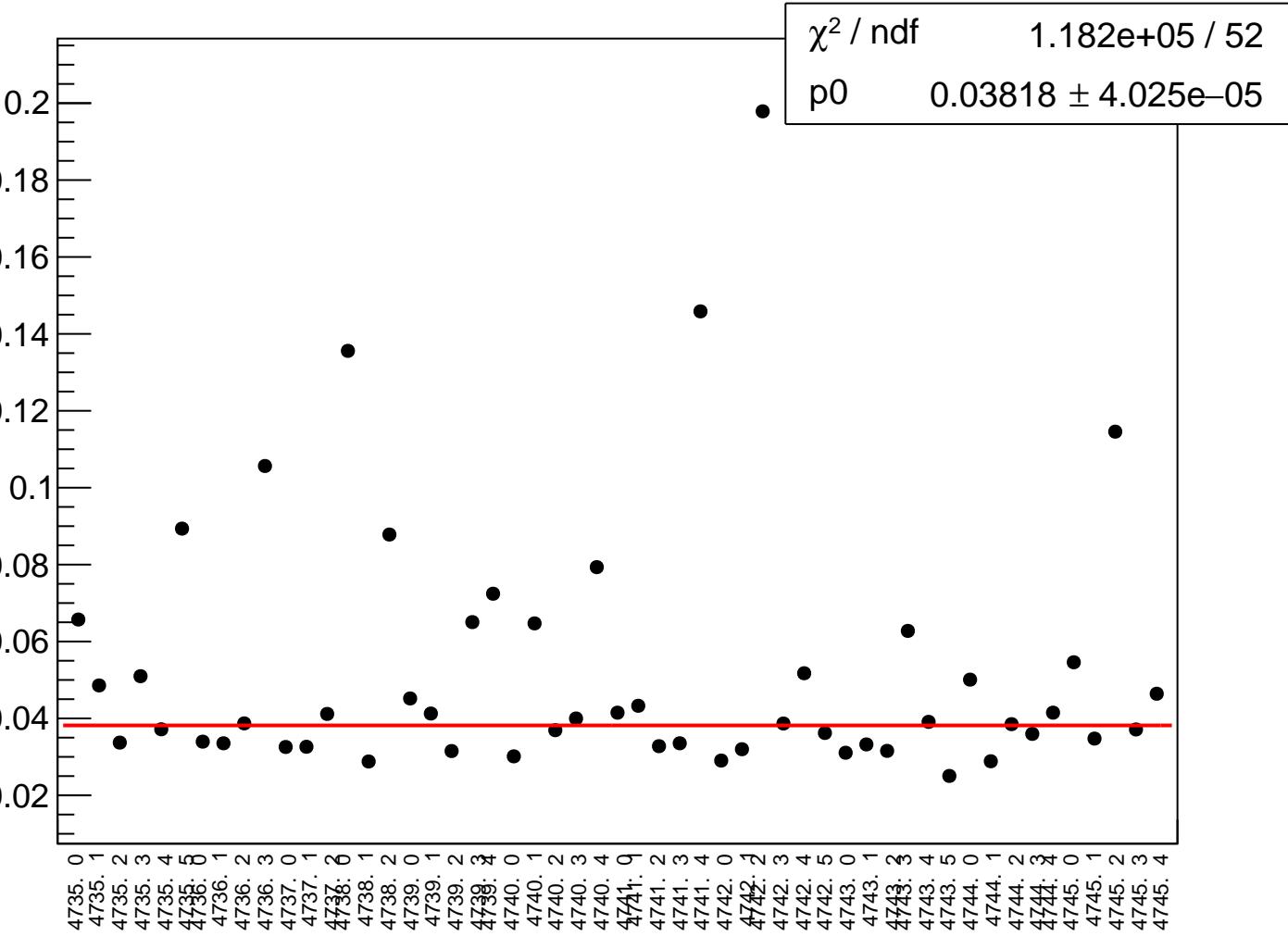
# yield\_bpm4acX\_rms vs run



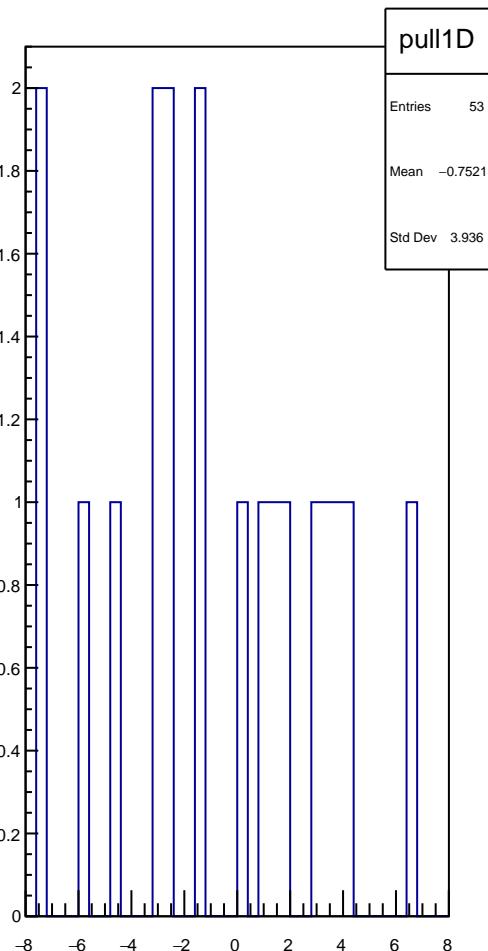
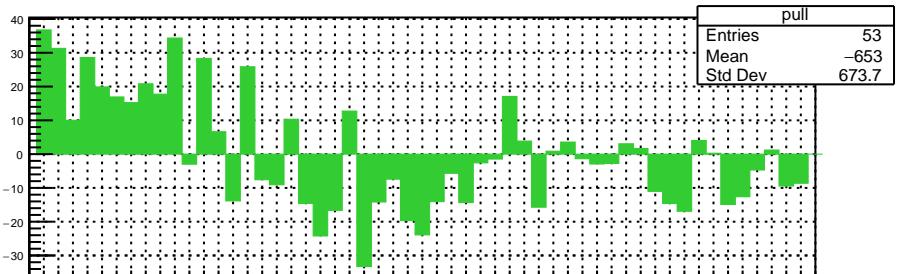
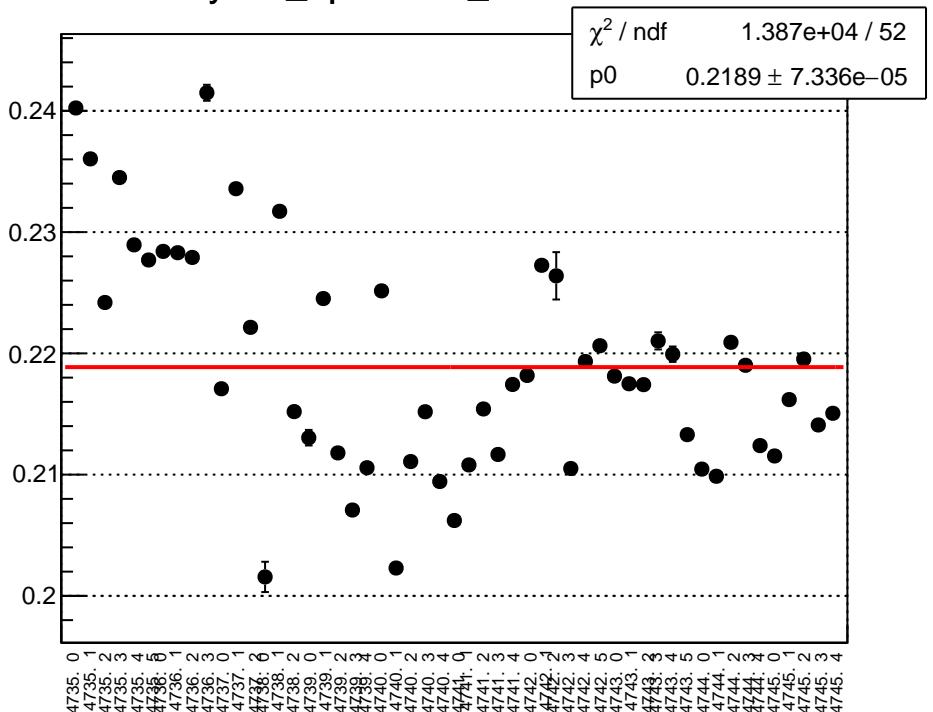
# yield\_bpm4acY\_mean vs run



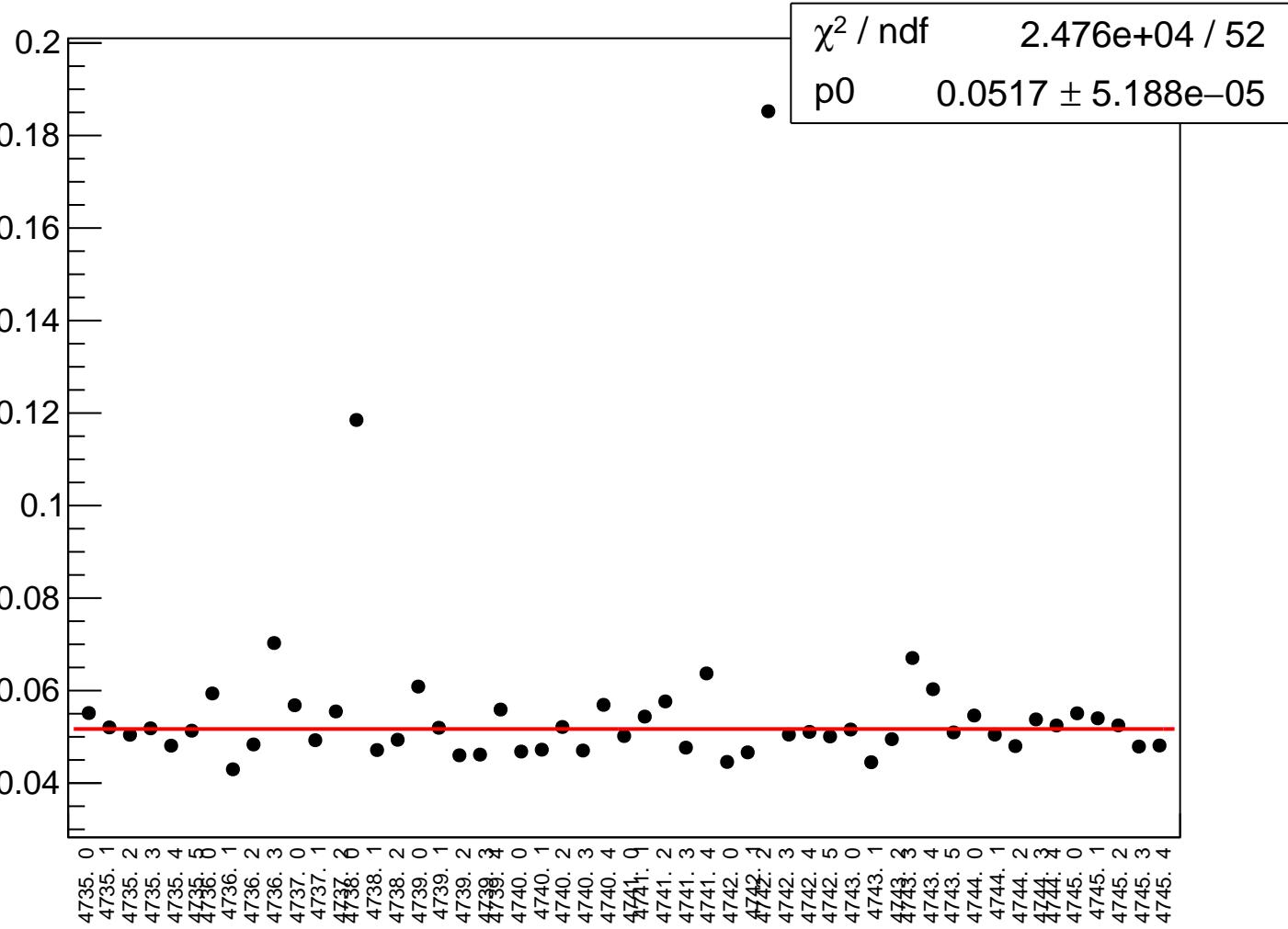
# yield\_bpm4acY\_rms vs run

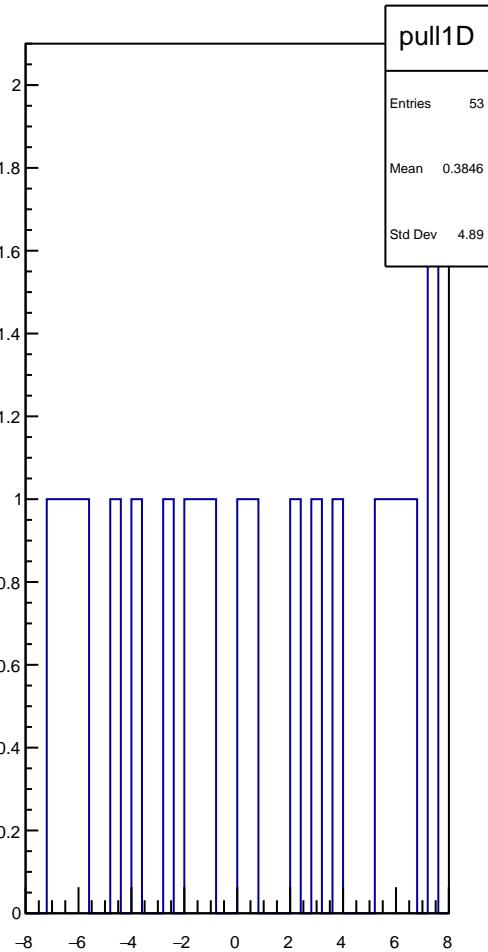
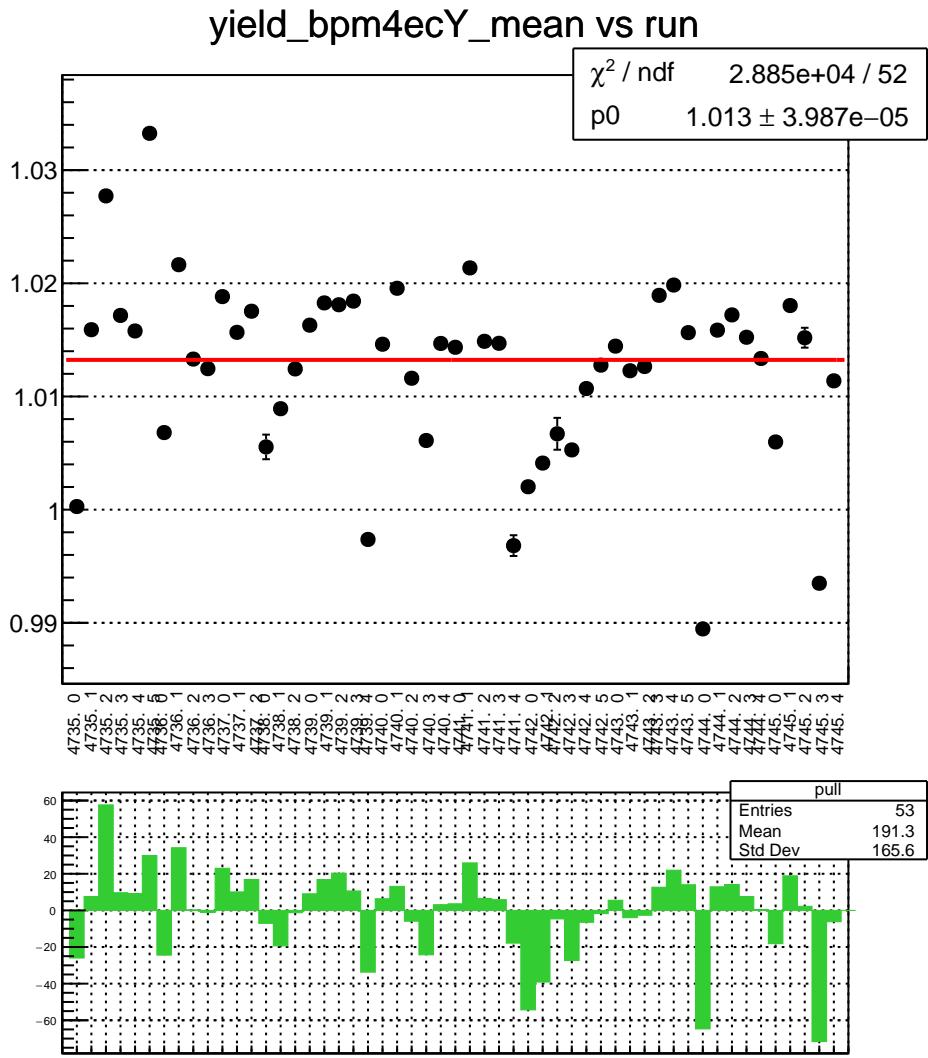


# yield\_bpm4ecX\_mean vs run

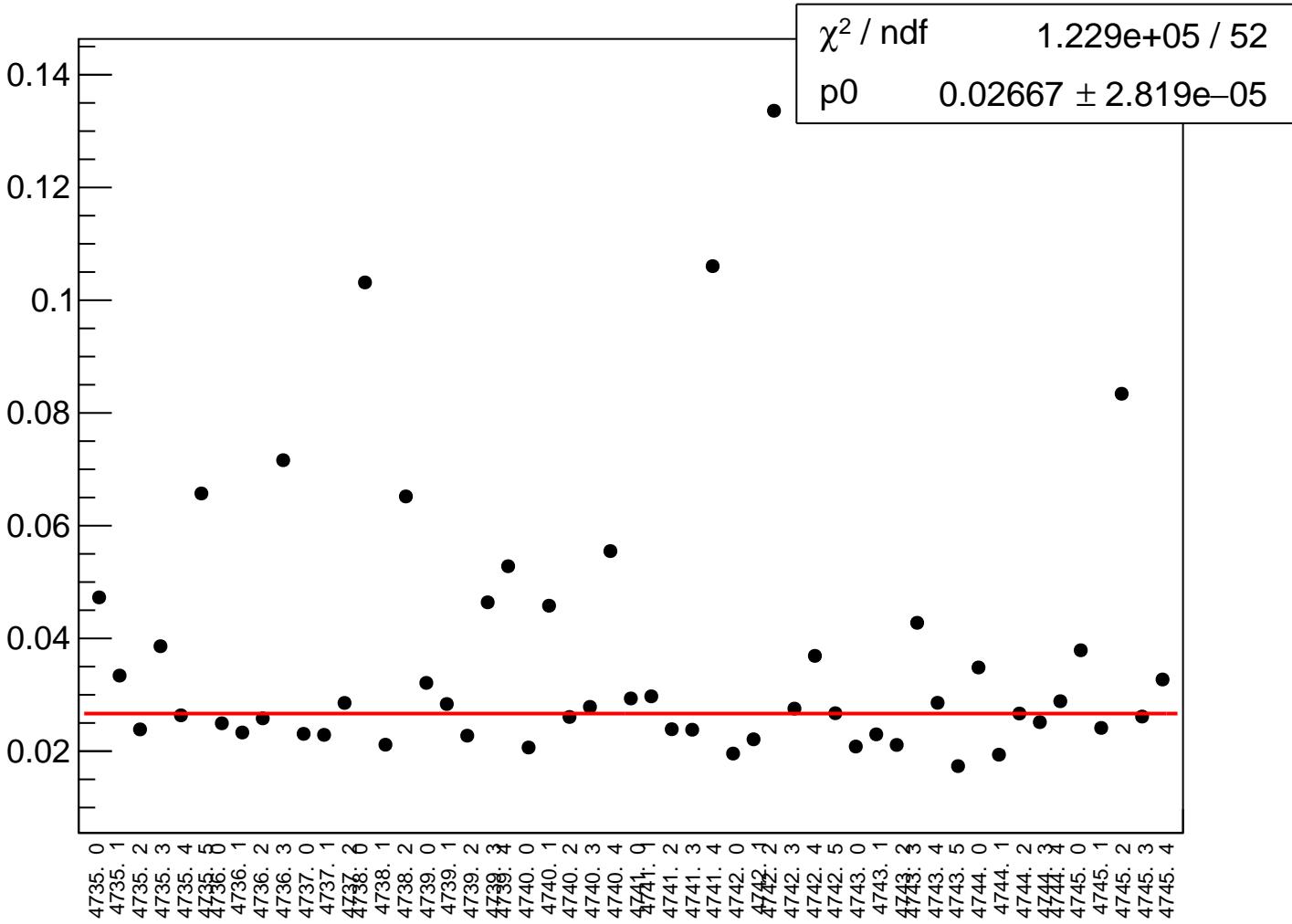


# yield\_bpm4ecX\_rms vs run

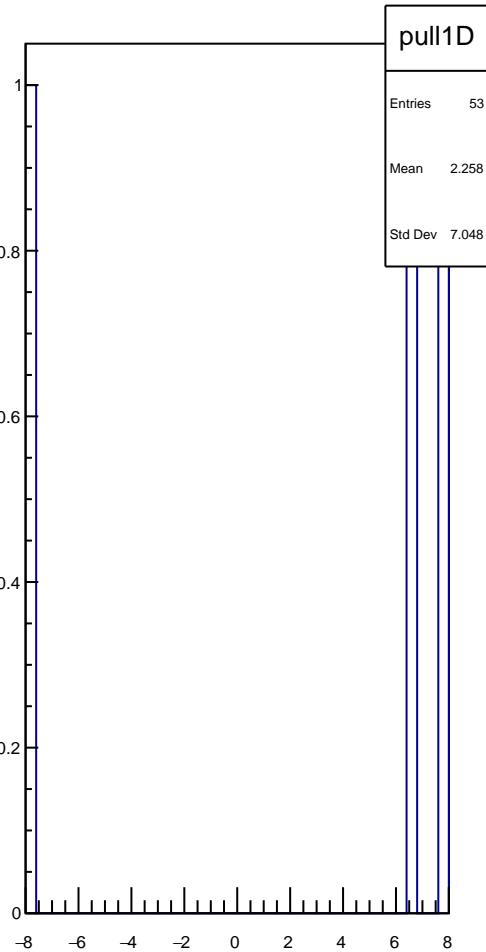
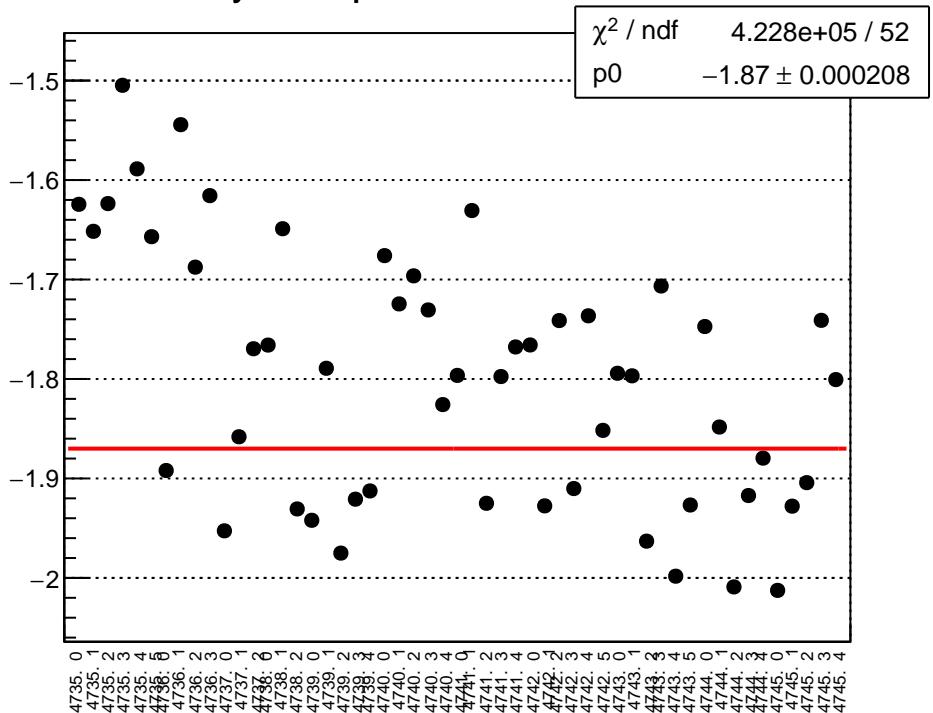




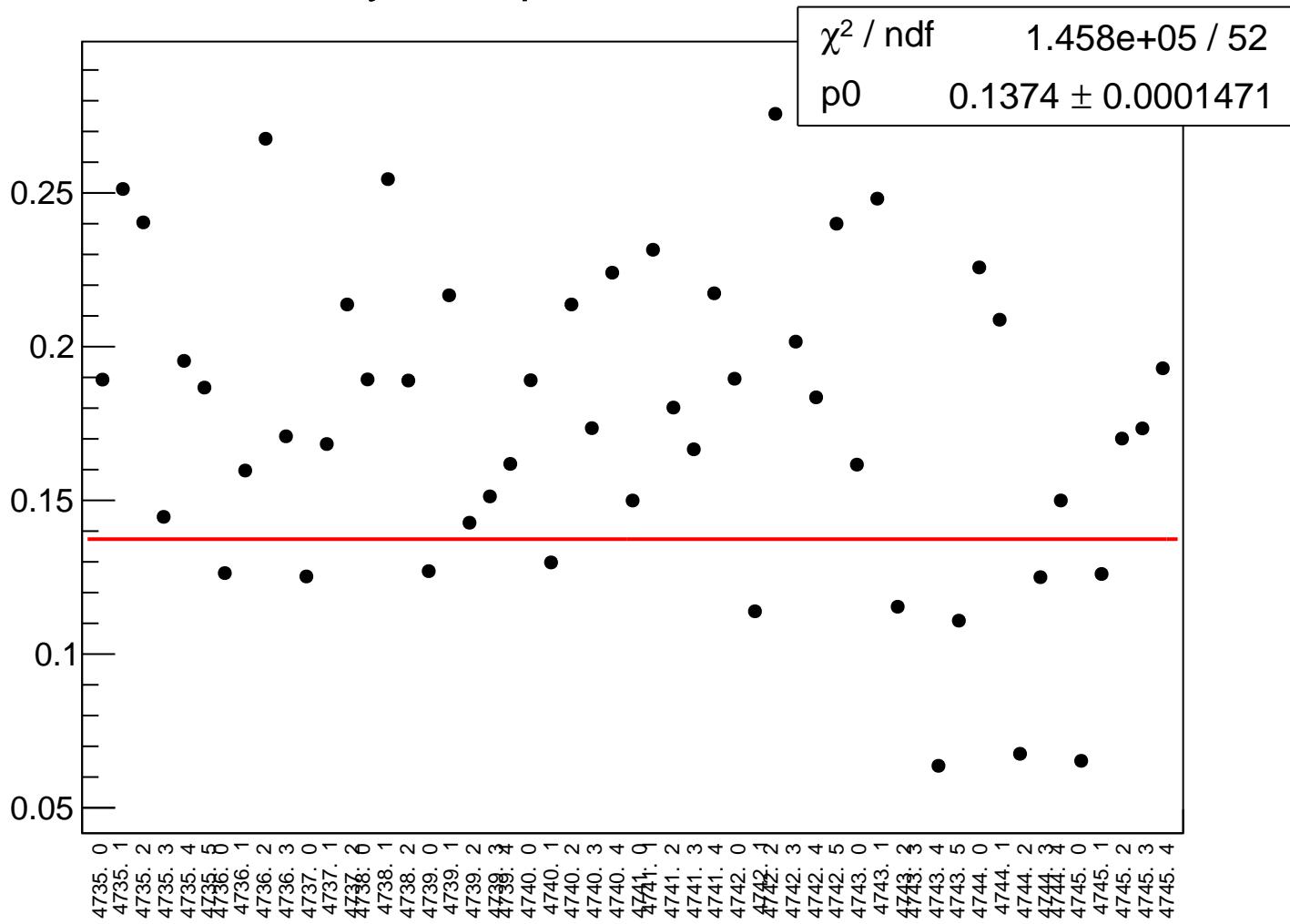
# yield\_bpm4ecY\_rms vs run



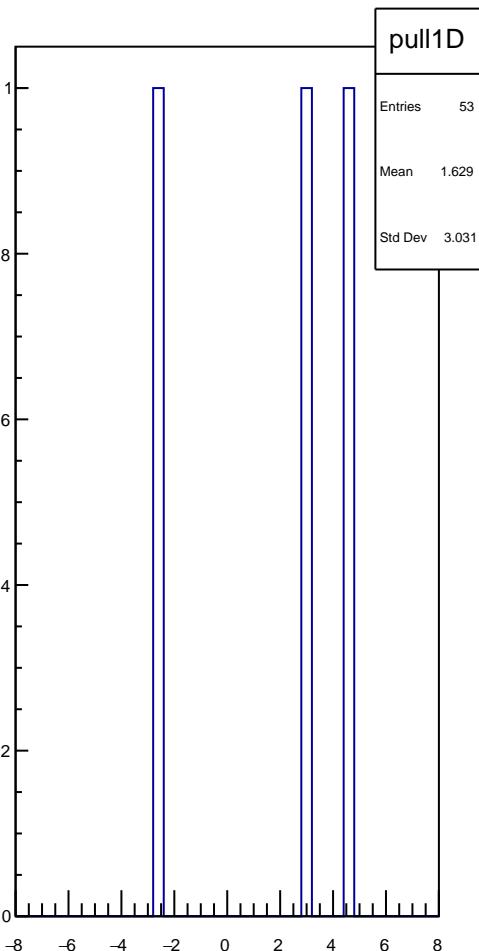
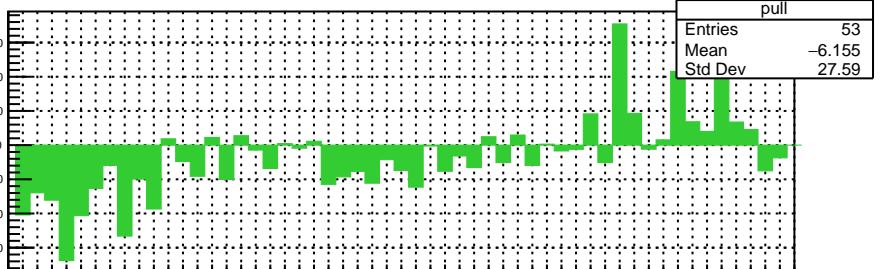
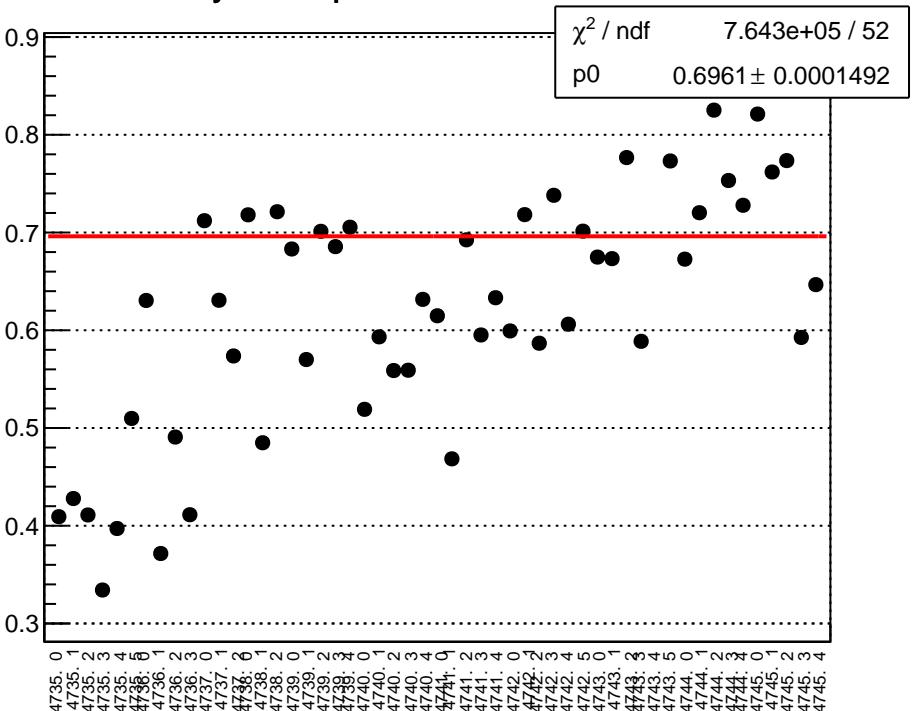
# yield\_bpm1X\_mean vs run



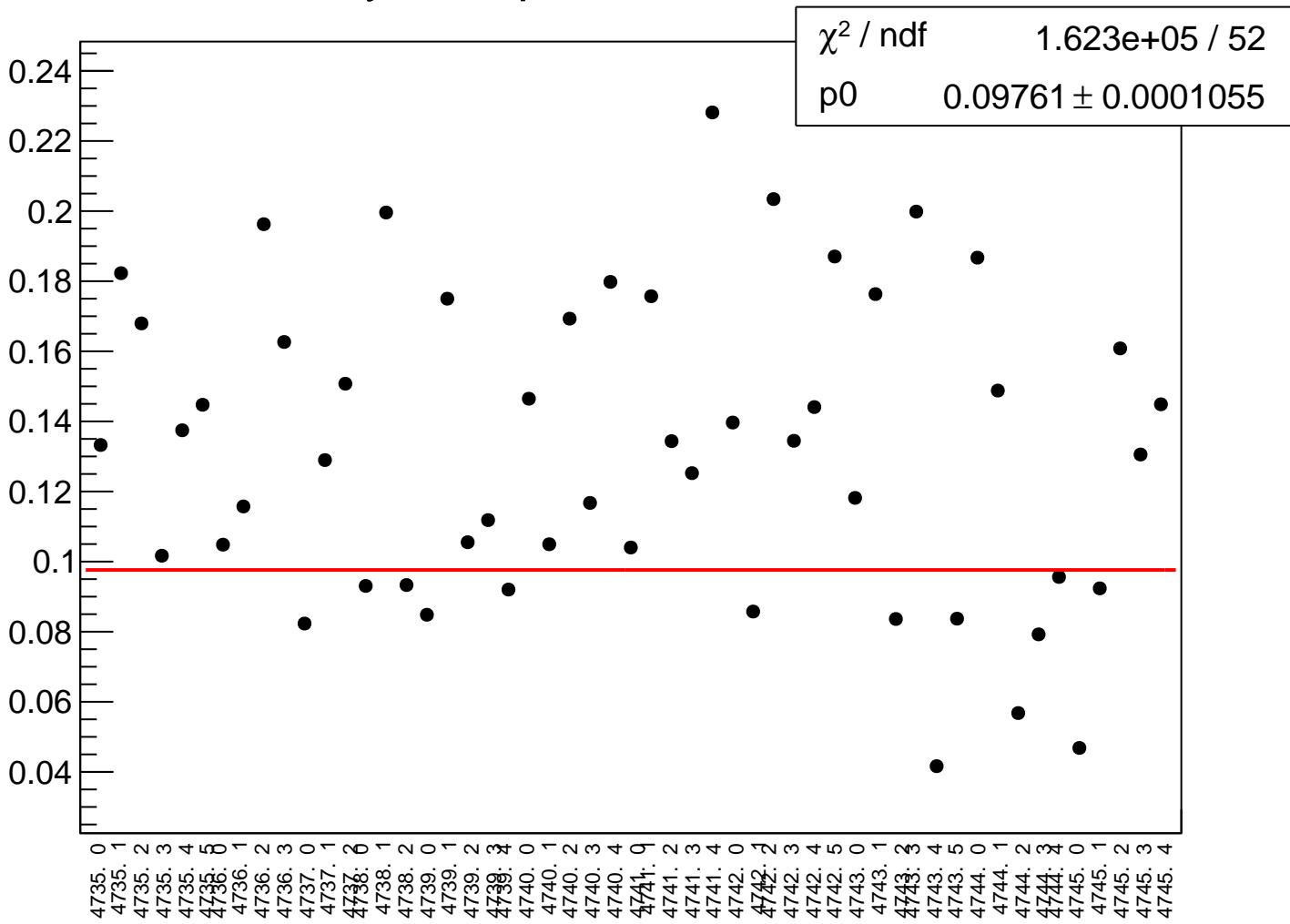
# yield\_bpm1X\_rms vs run



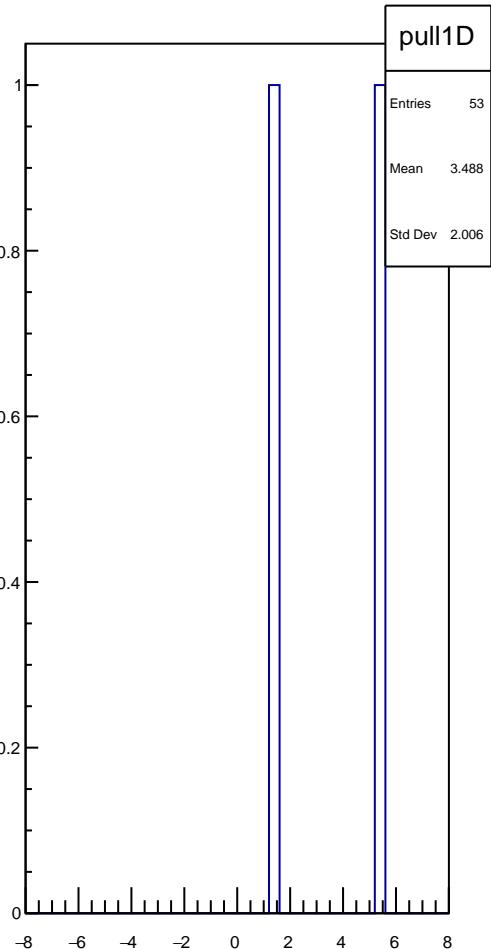
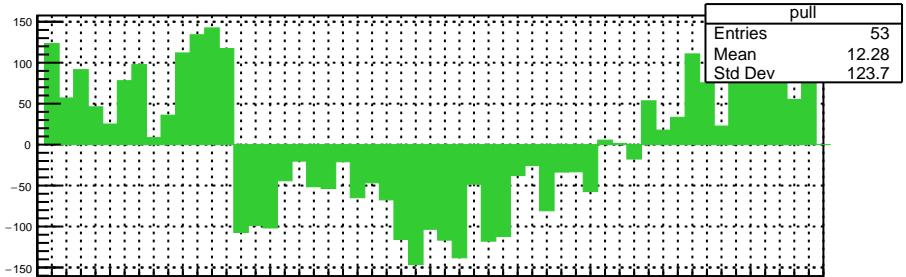
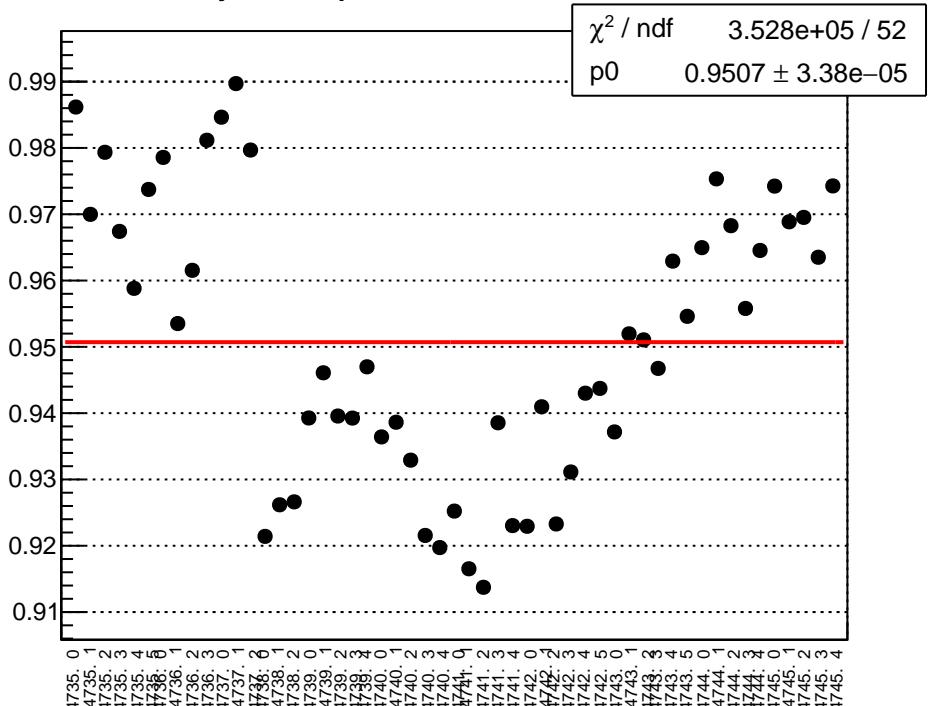
# yield\_bpm1Y\_mean vs run



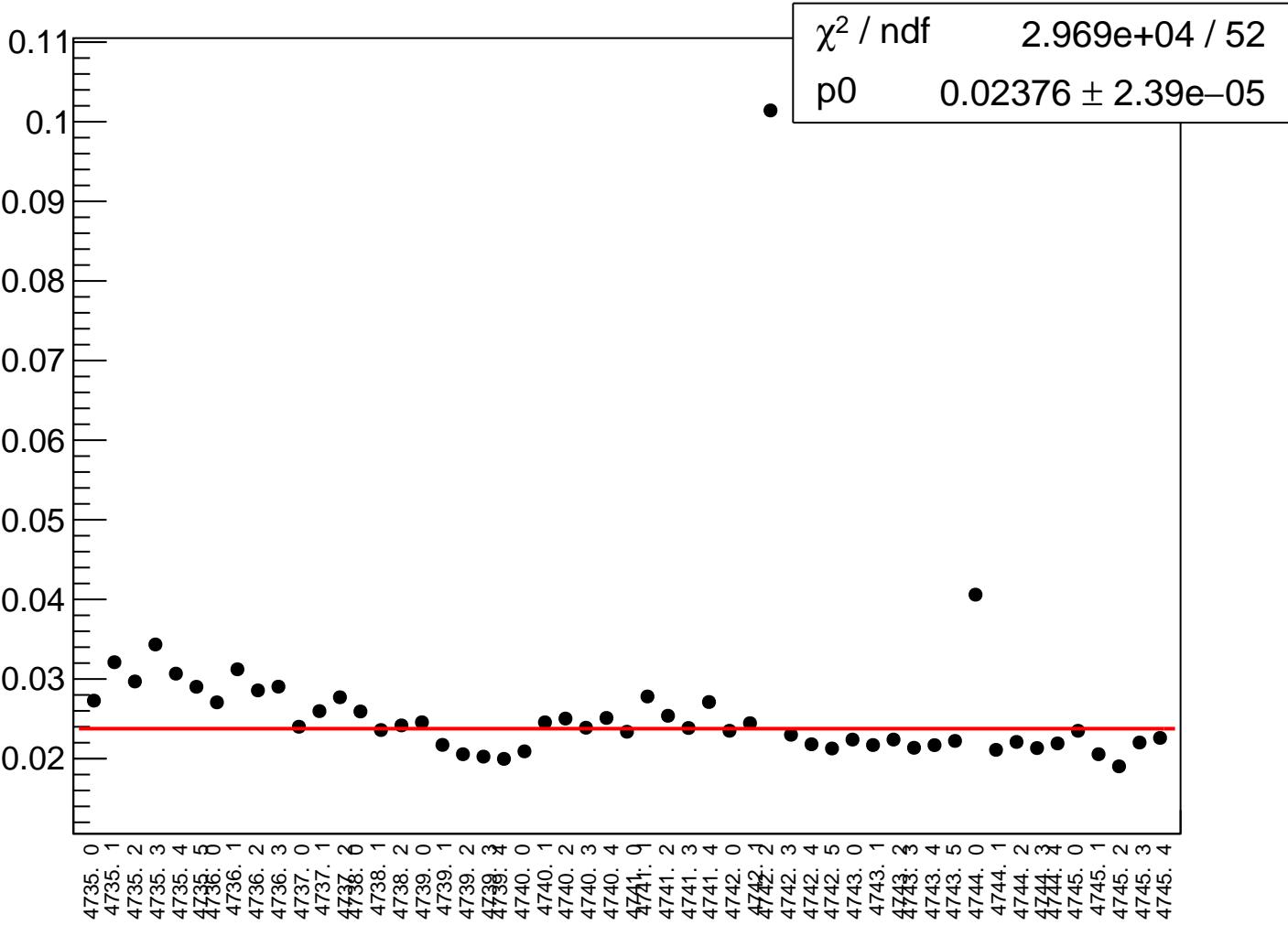
# yield\_bpm1Y\_rms vs run



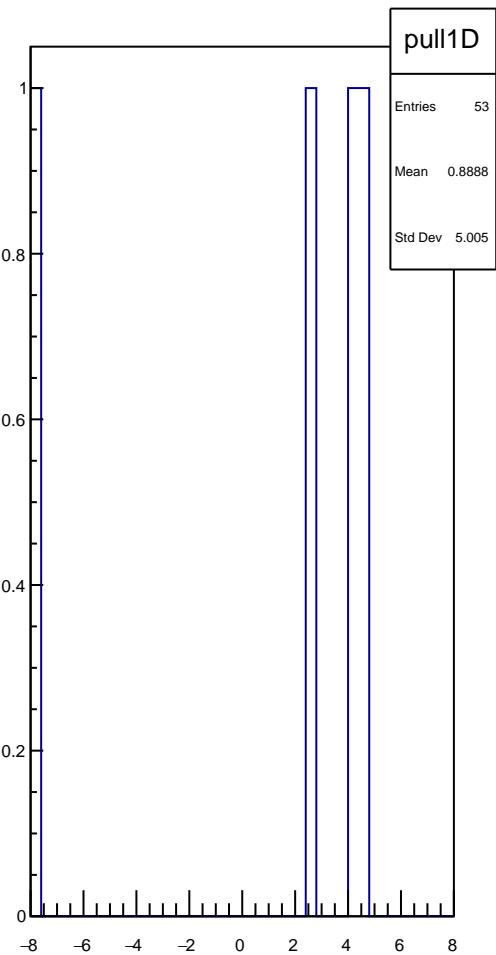
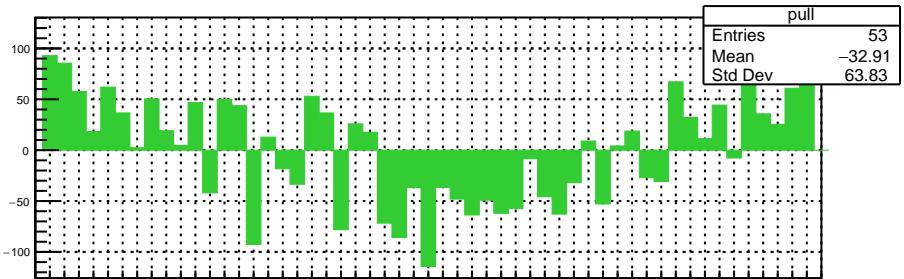
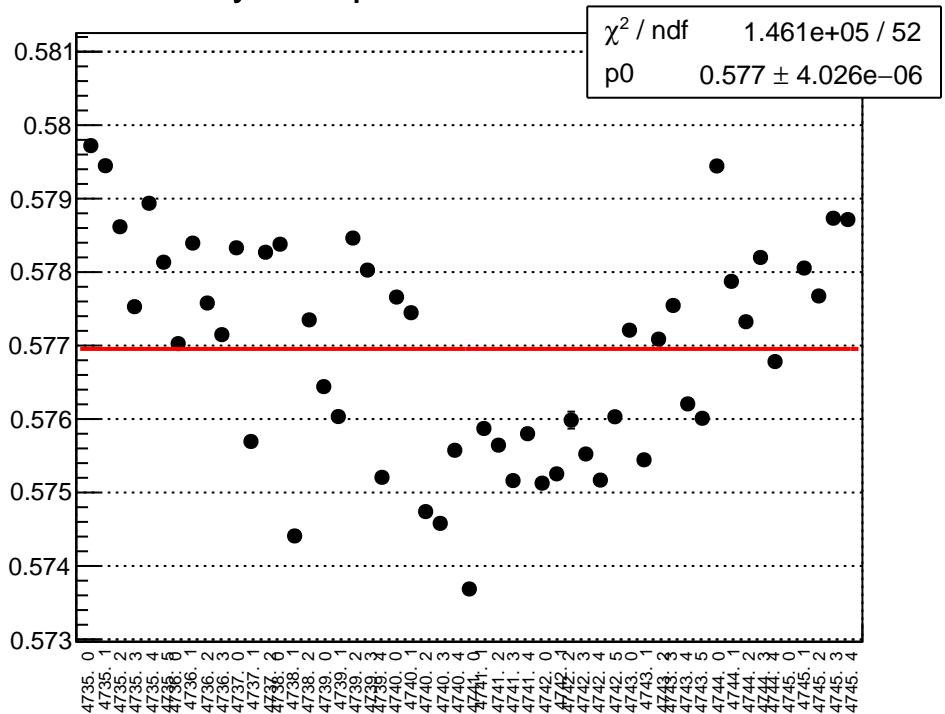
# yield\_bpm11X\_mean vs run



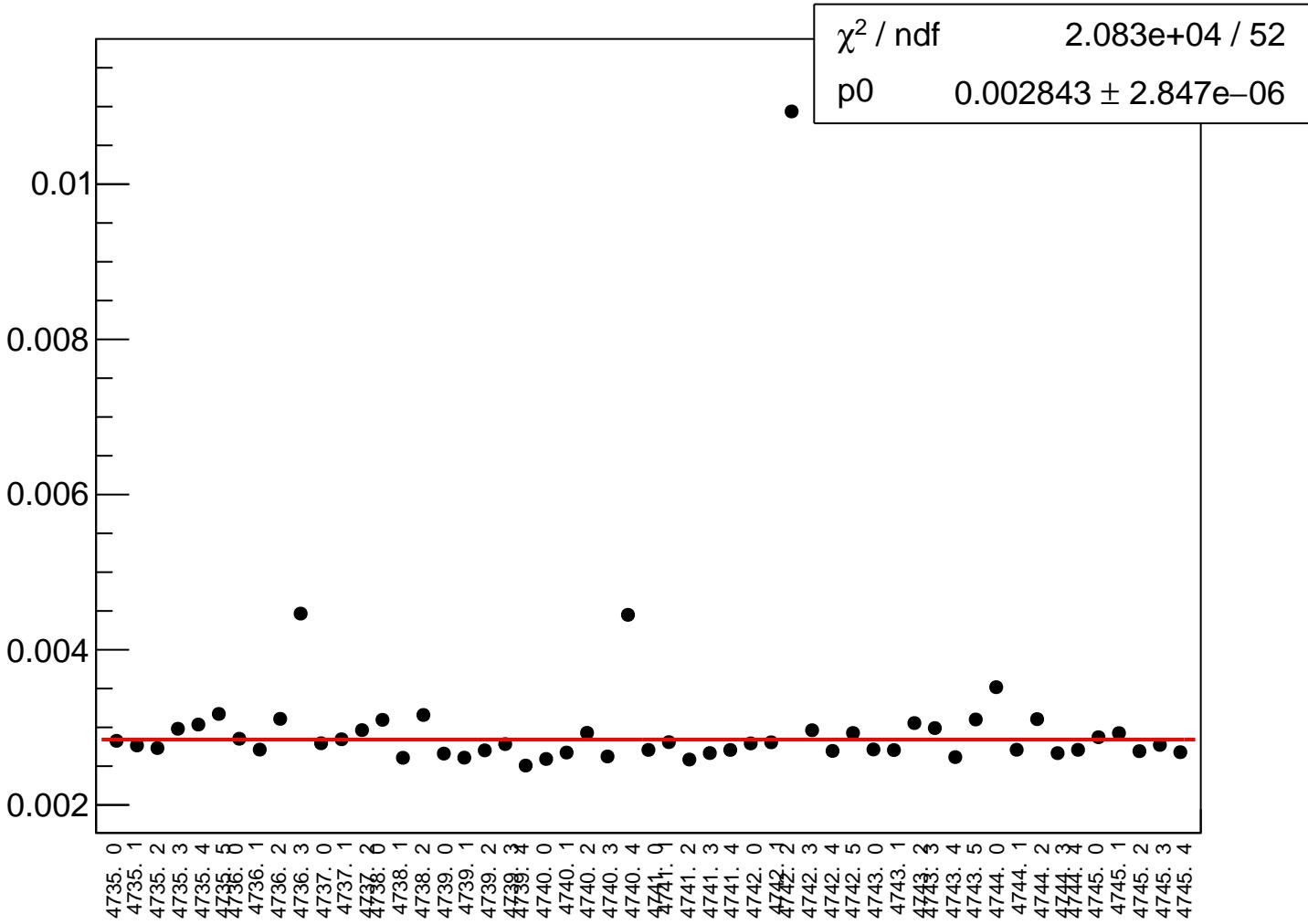
# yield\_bpm11X\_rms vs run

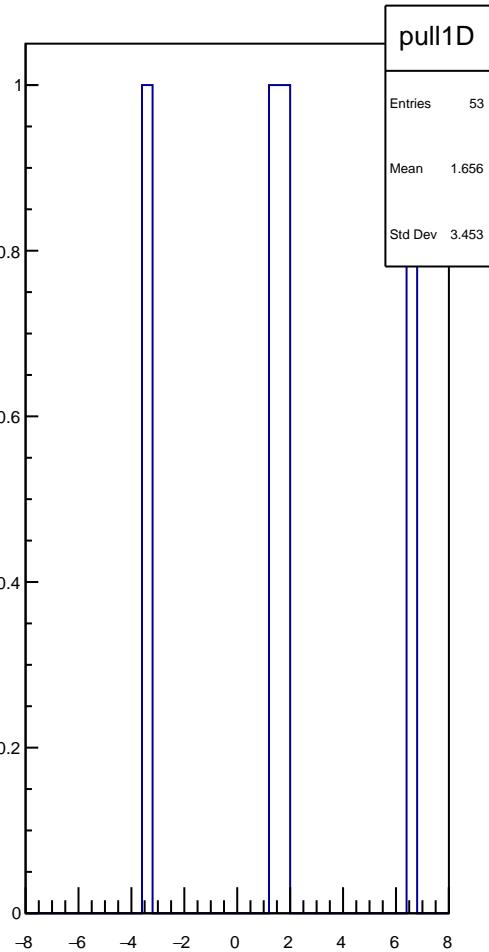
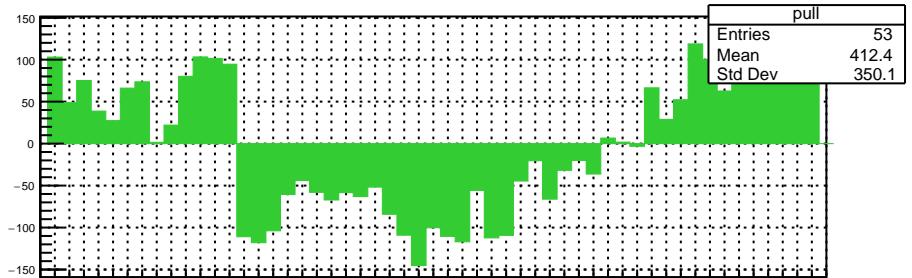
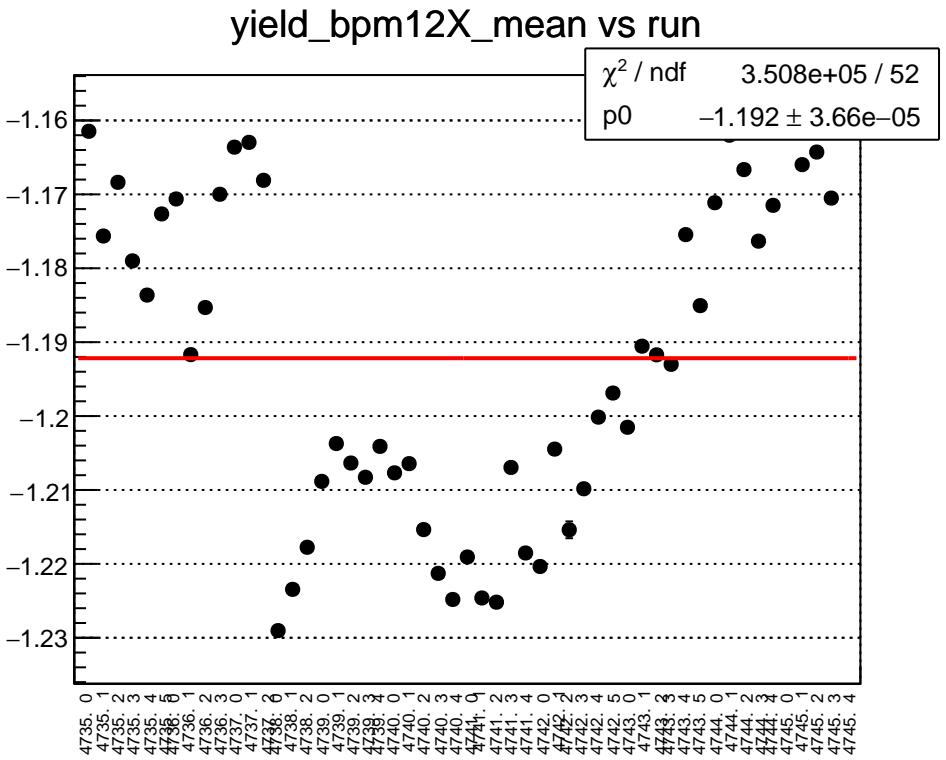


# yield\_bpm11Y\_mean vs run

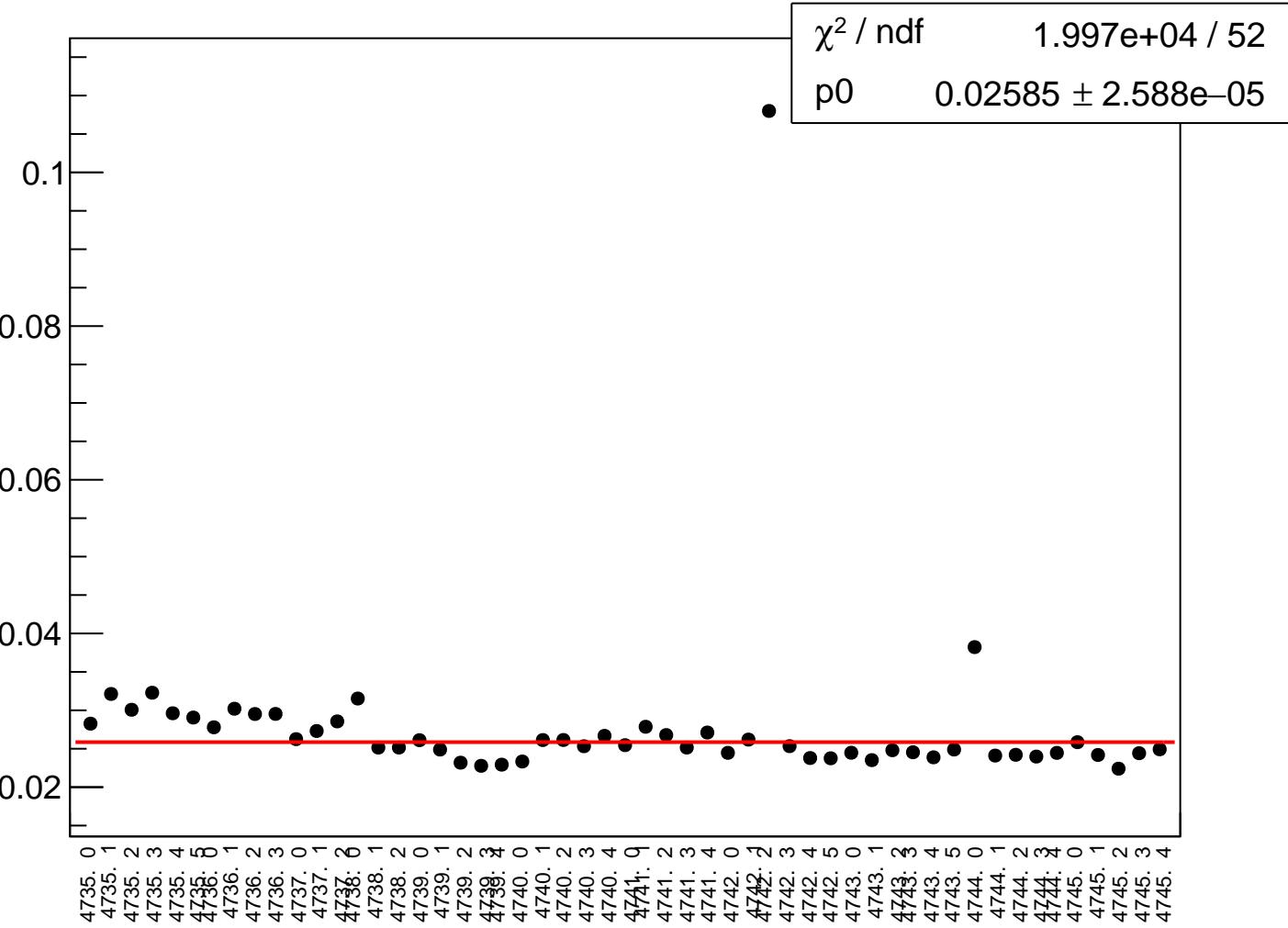


# yield\_bpm11Y\_rms vs run

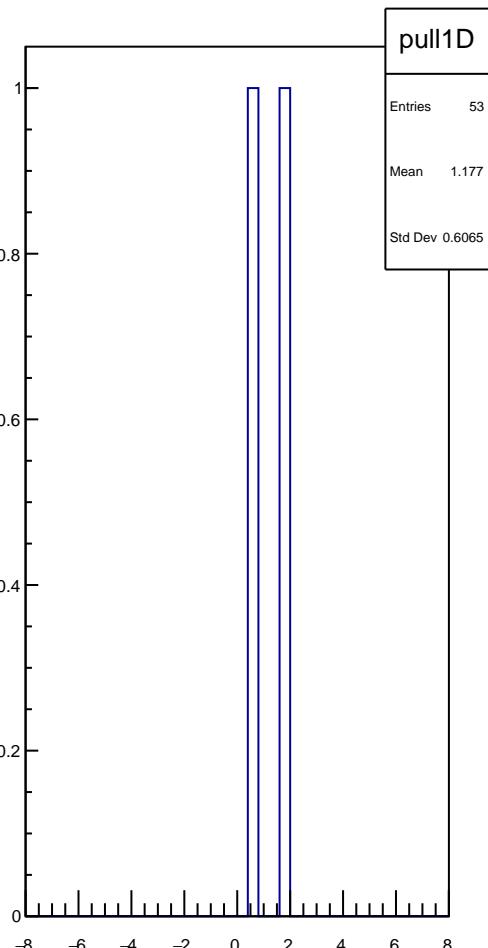
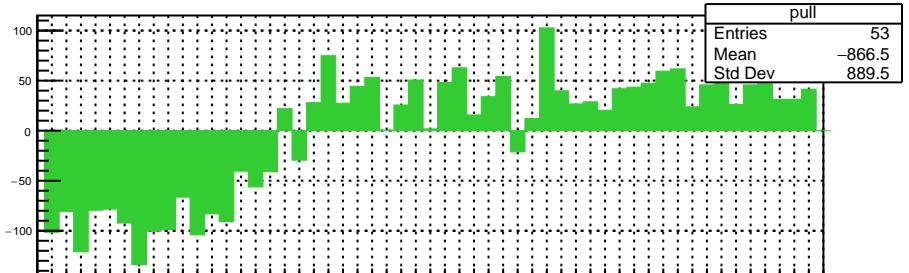
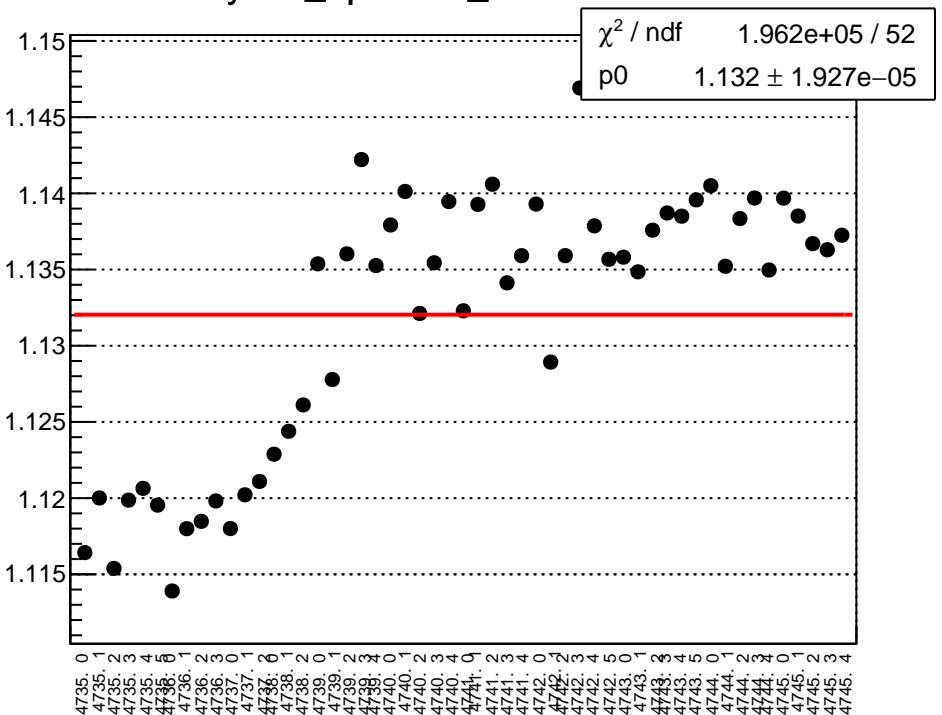




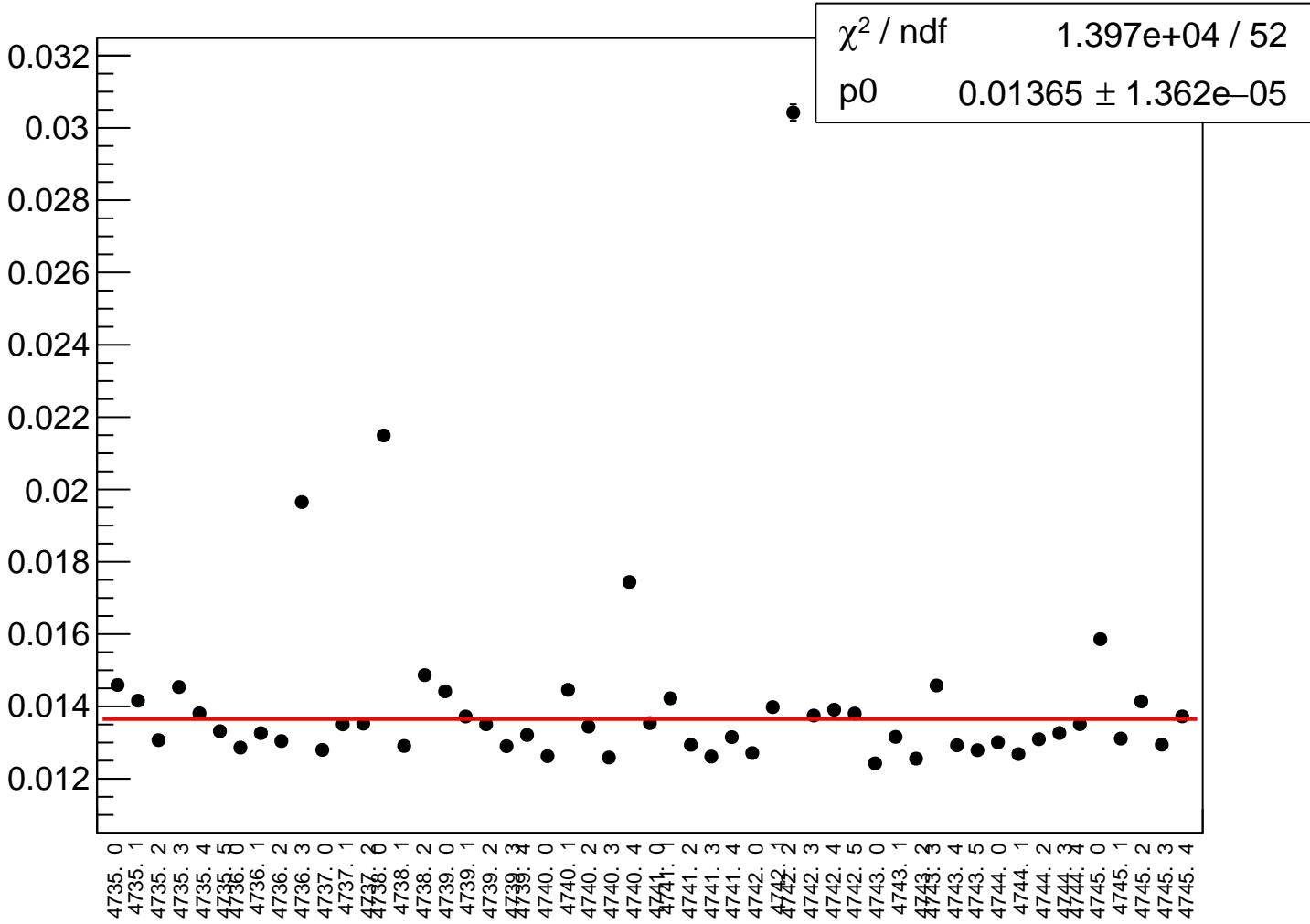
# yield\_bpm12X\_rms vs run



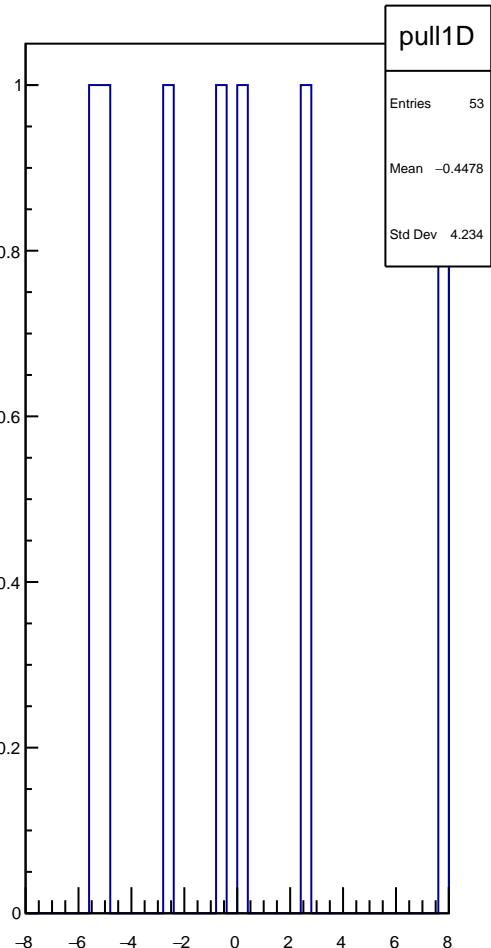
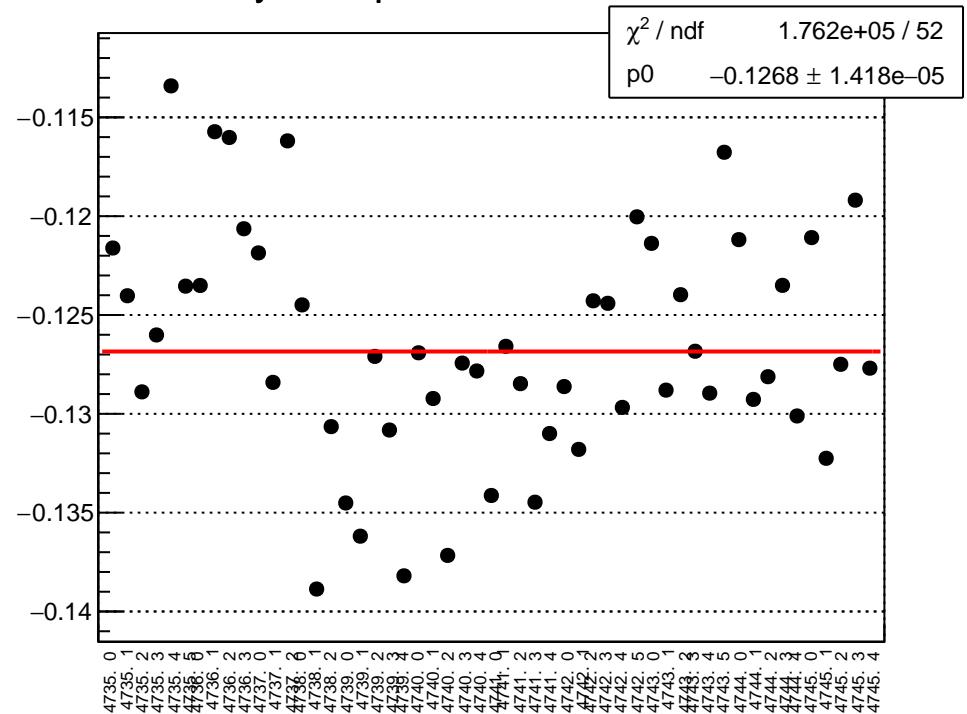
# yield\_bpm12Y\_mean vs run



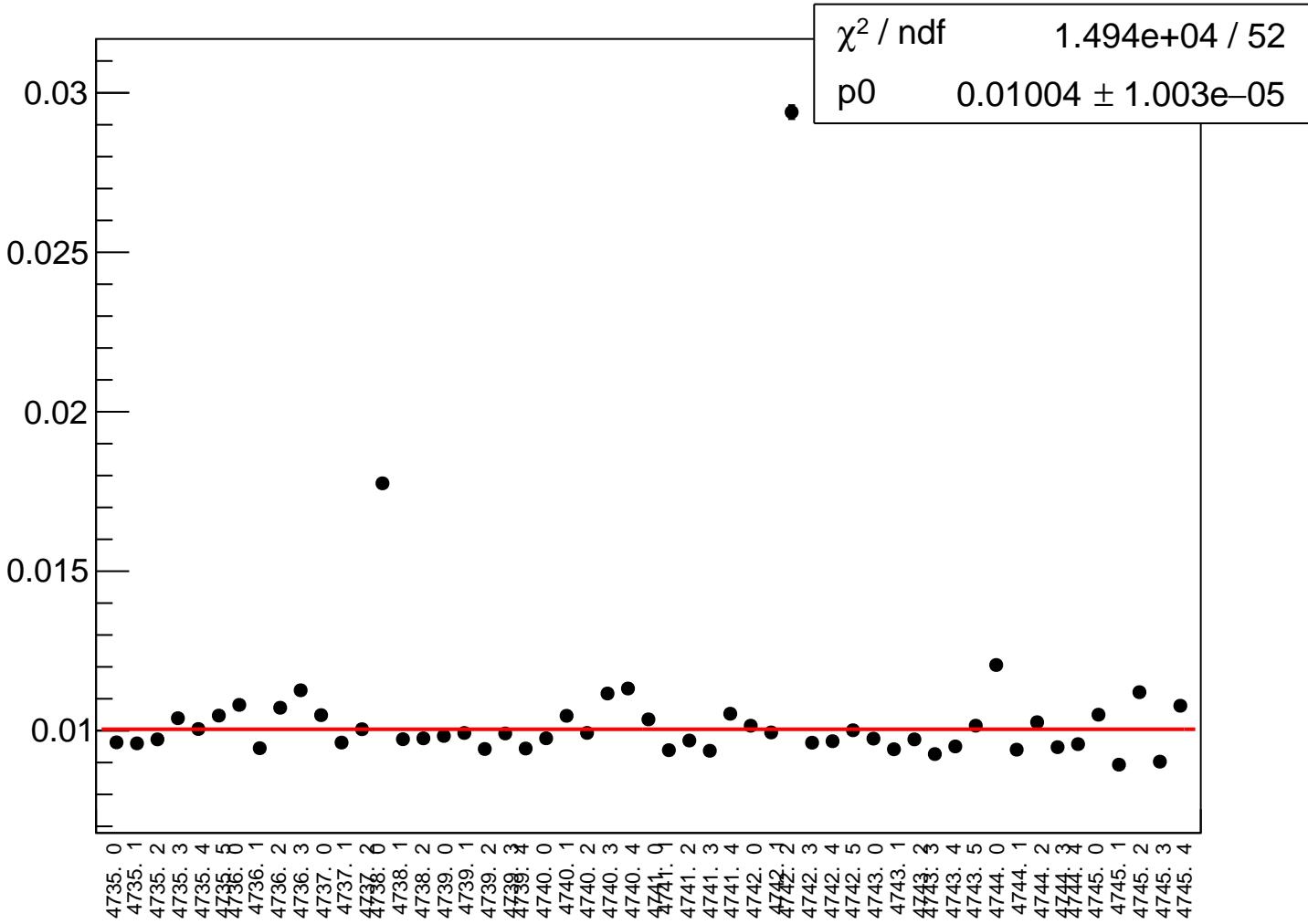
# yield\_bpm12Y\_rms vs run



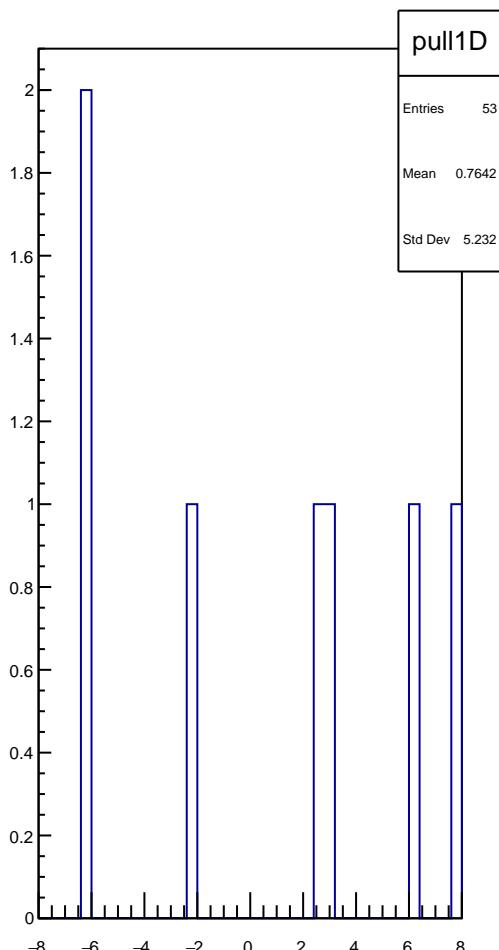
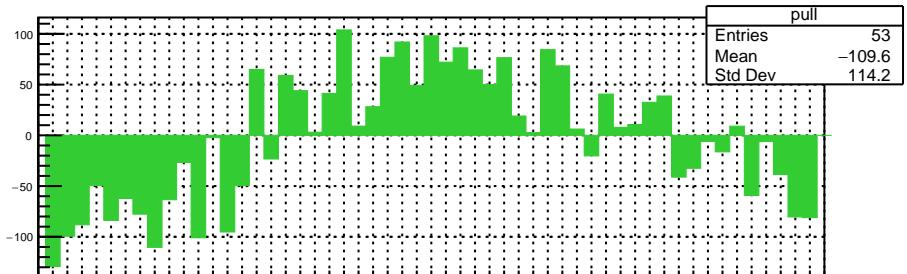
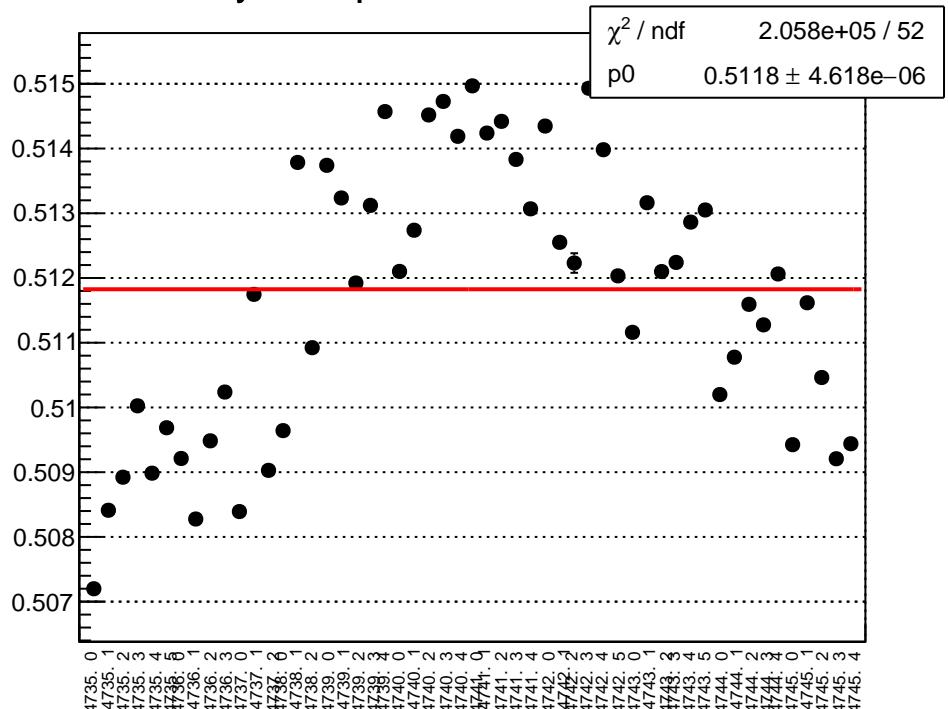
# yield\_bpm16X\_mean vs run



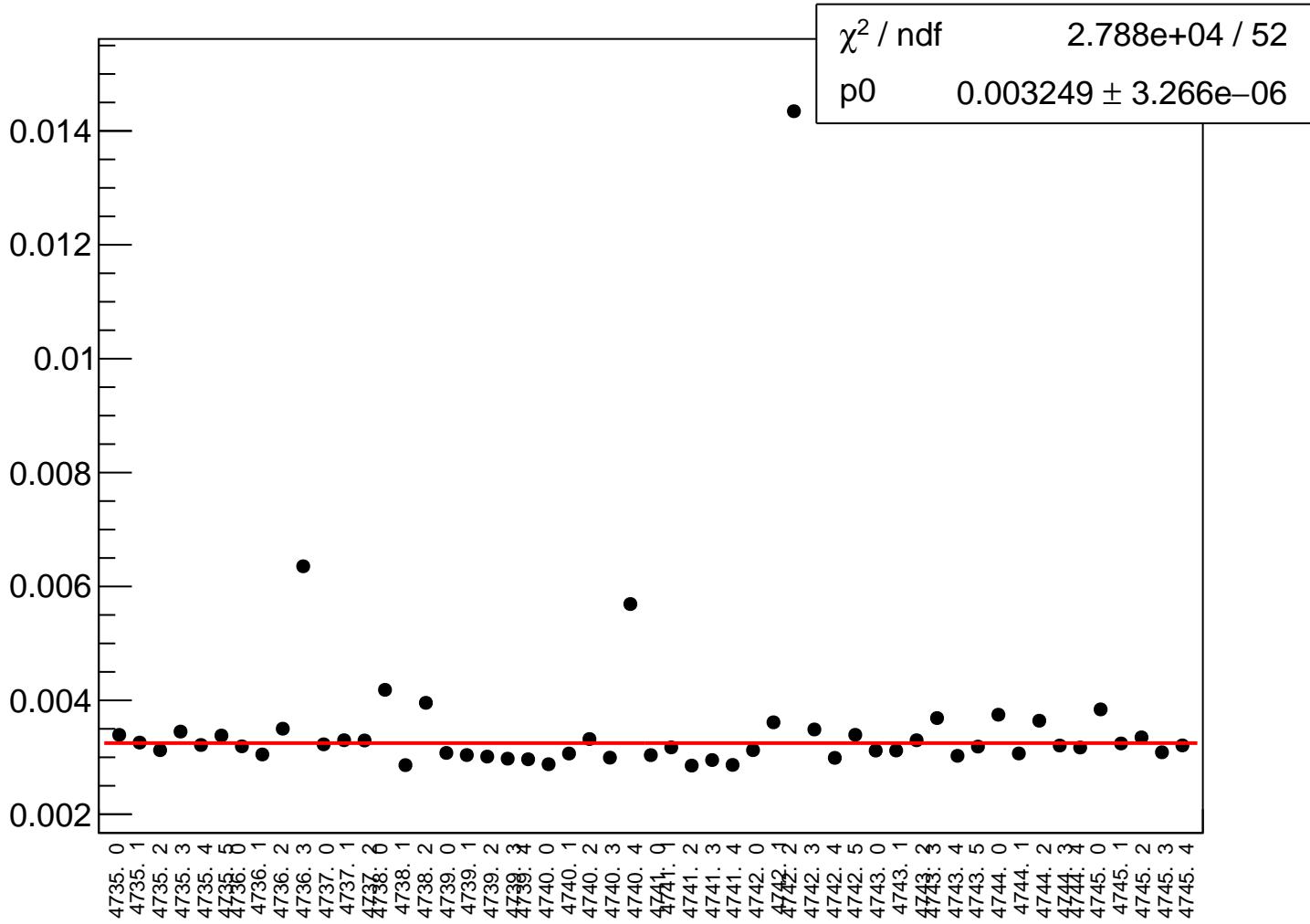
# yield\_bpm16X\_rms vs run



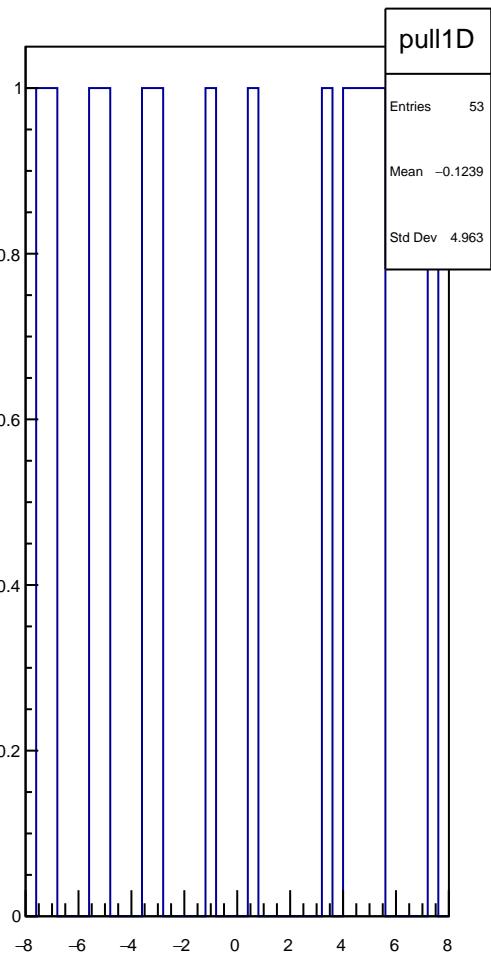
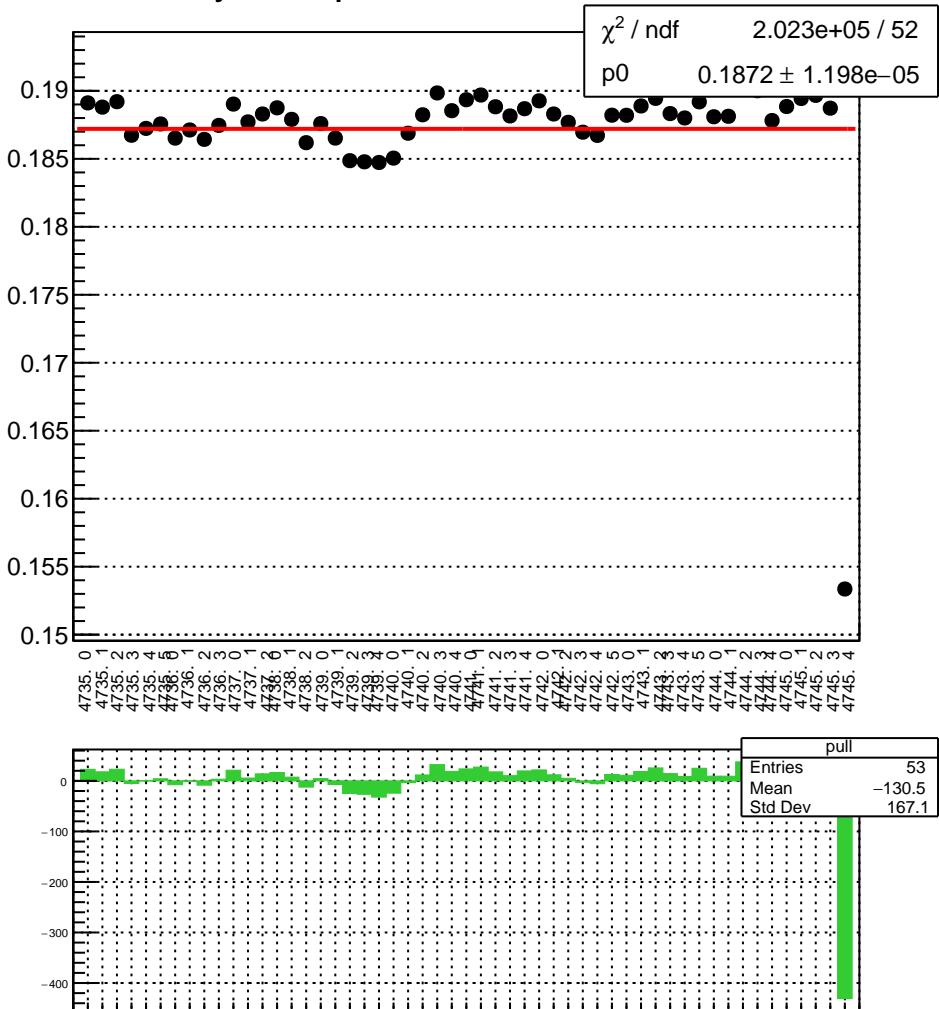
# yield\_bpm16Y\_mean vs run



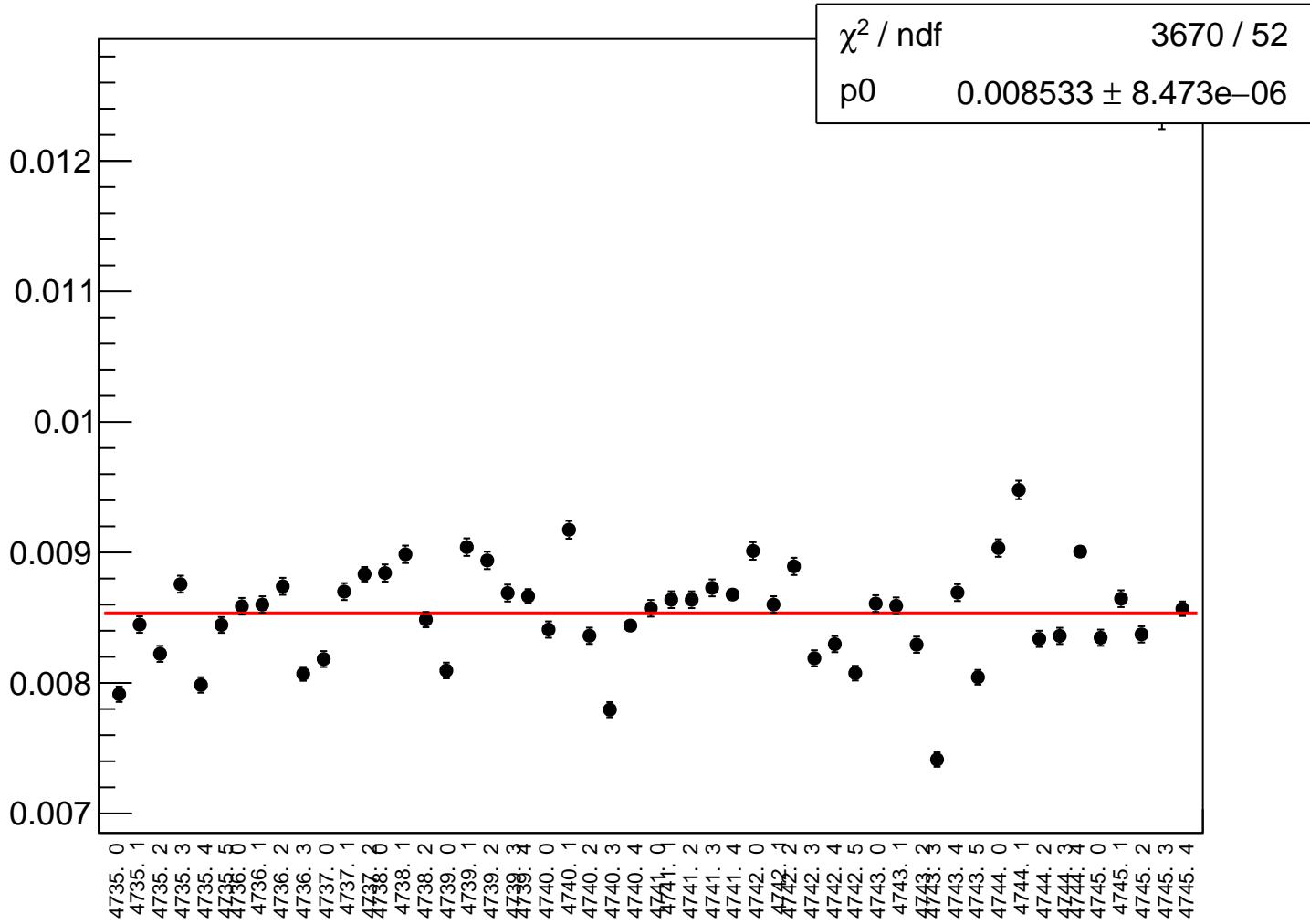
# yield\_bpm16Y\_rms vs run



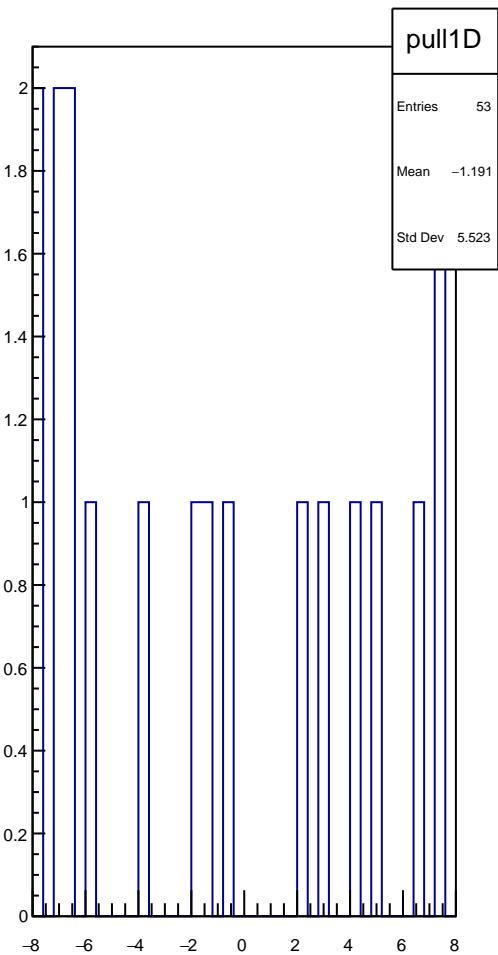
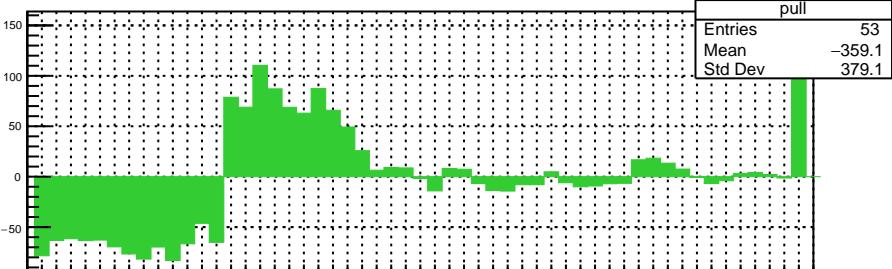
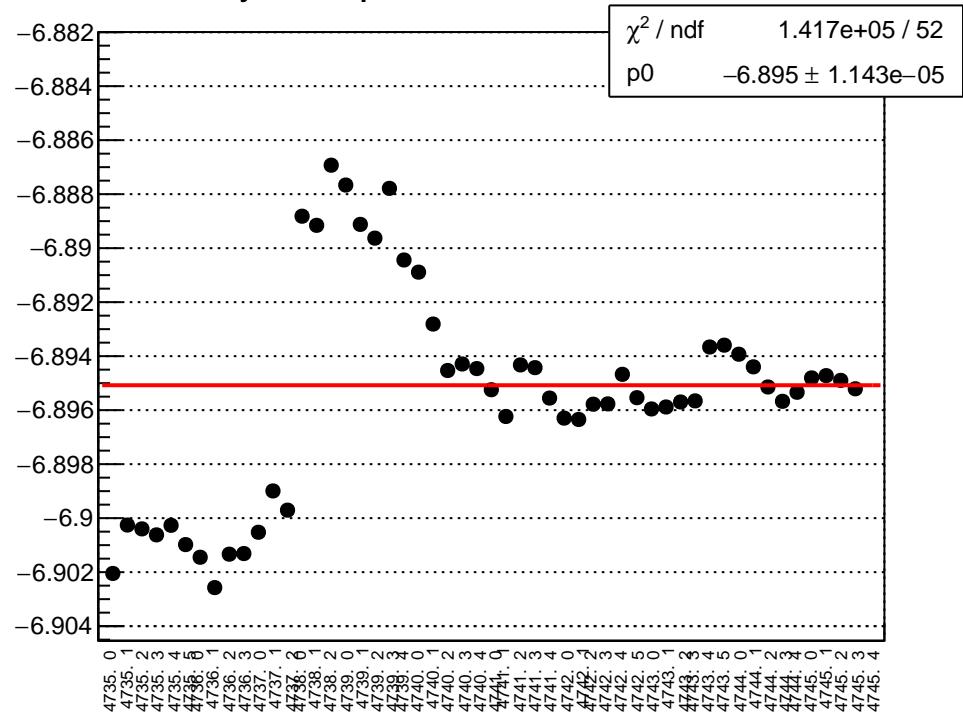
# yield\_bpm2i01X\_mean vs run



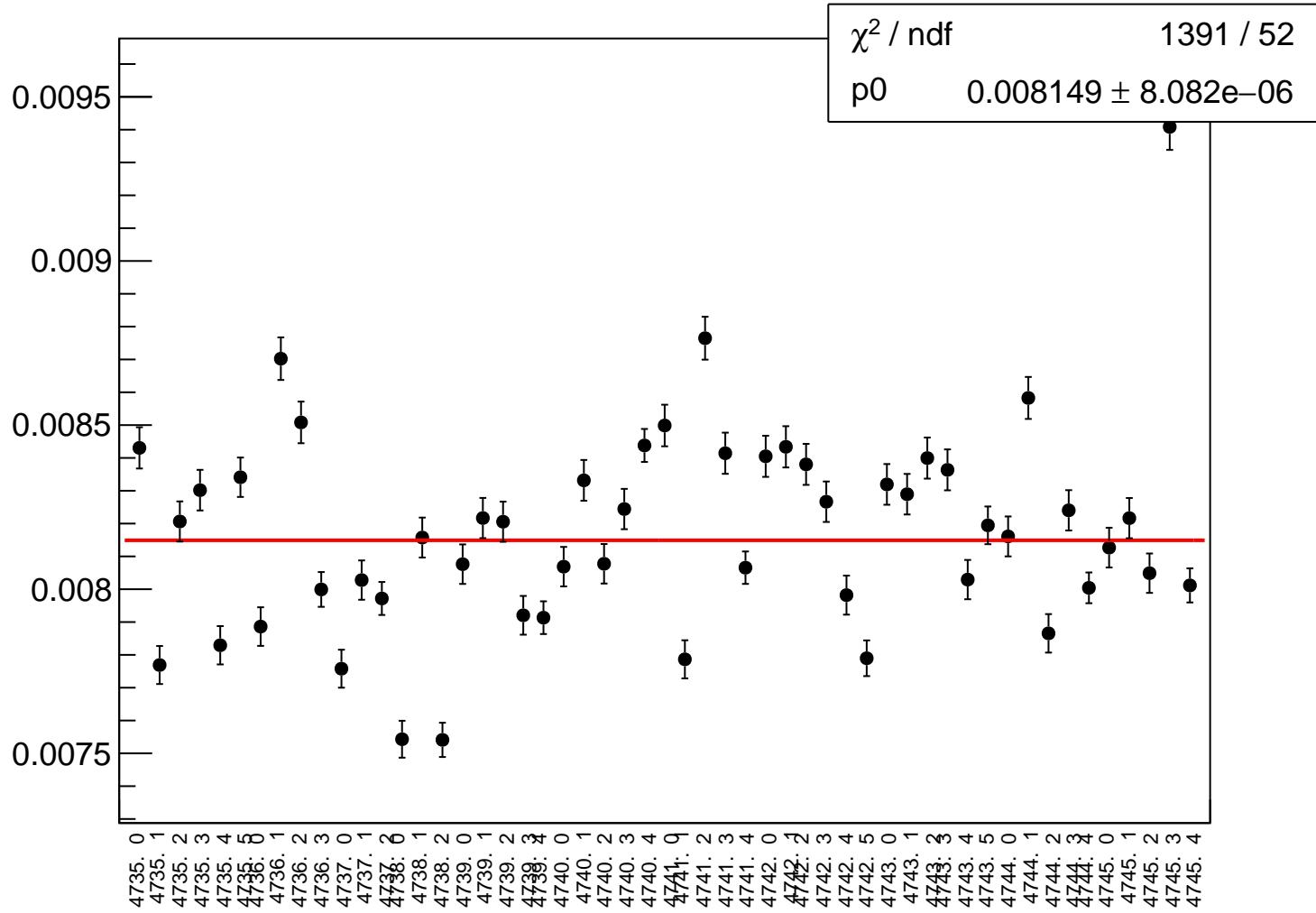
# yield\_bpm2i01X\_rms vs run

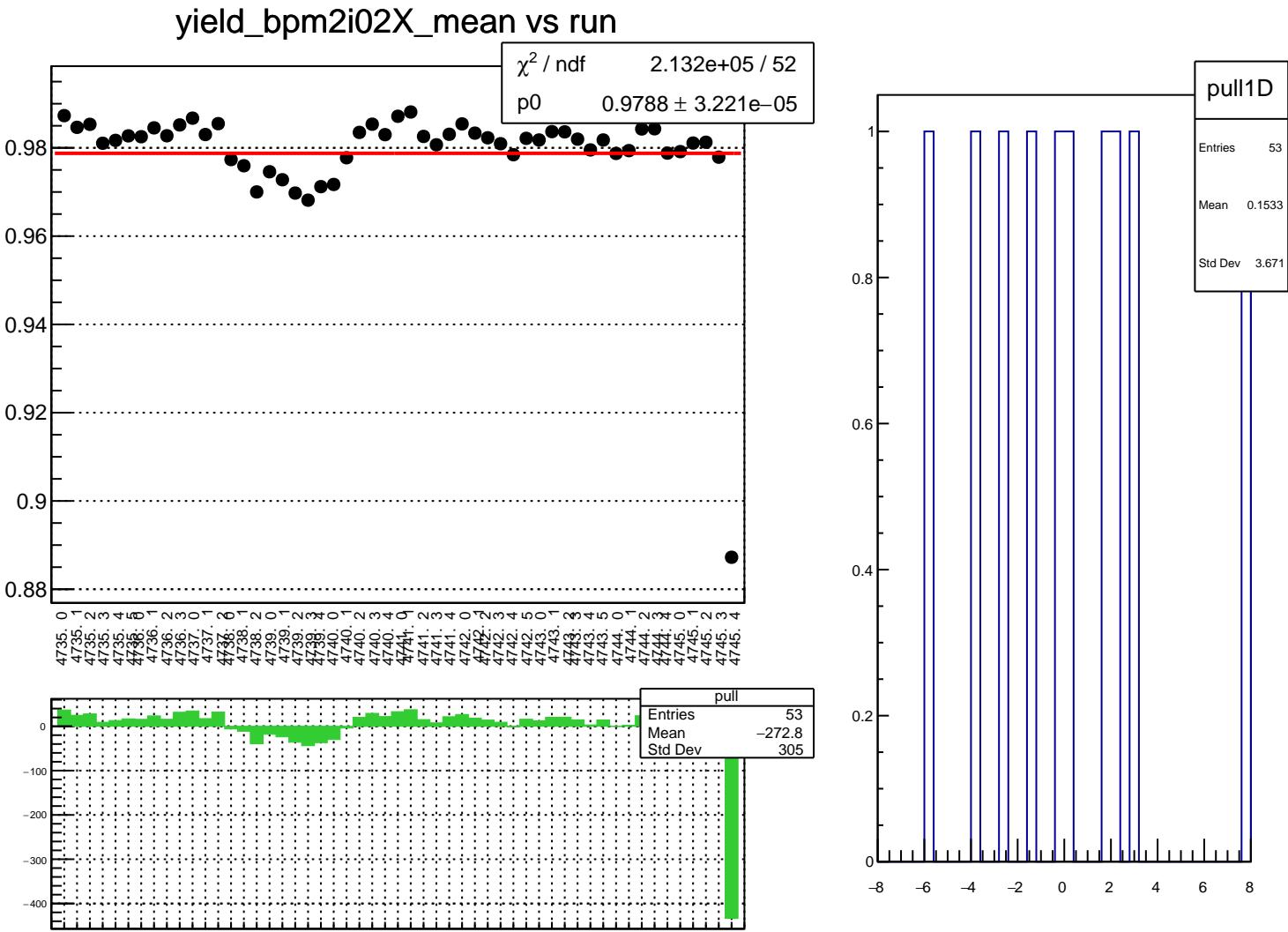


# yield\_bpm2i01Y\_mean vs run

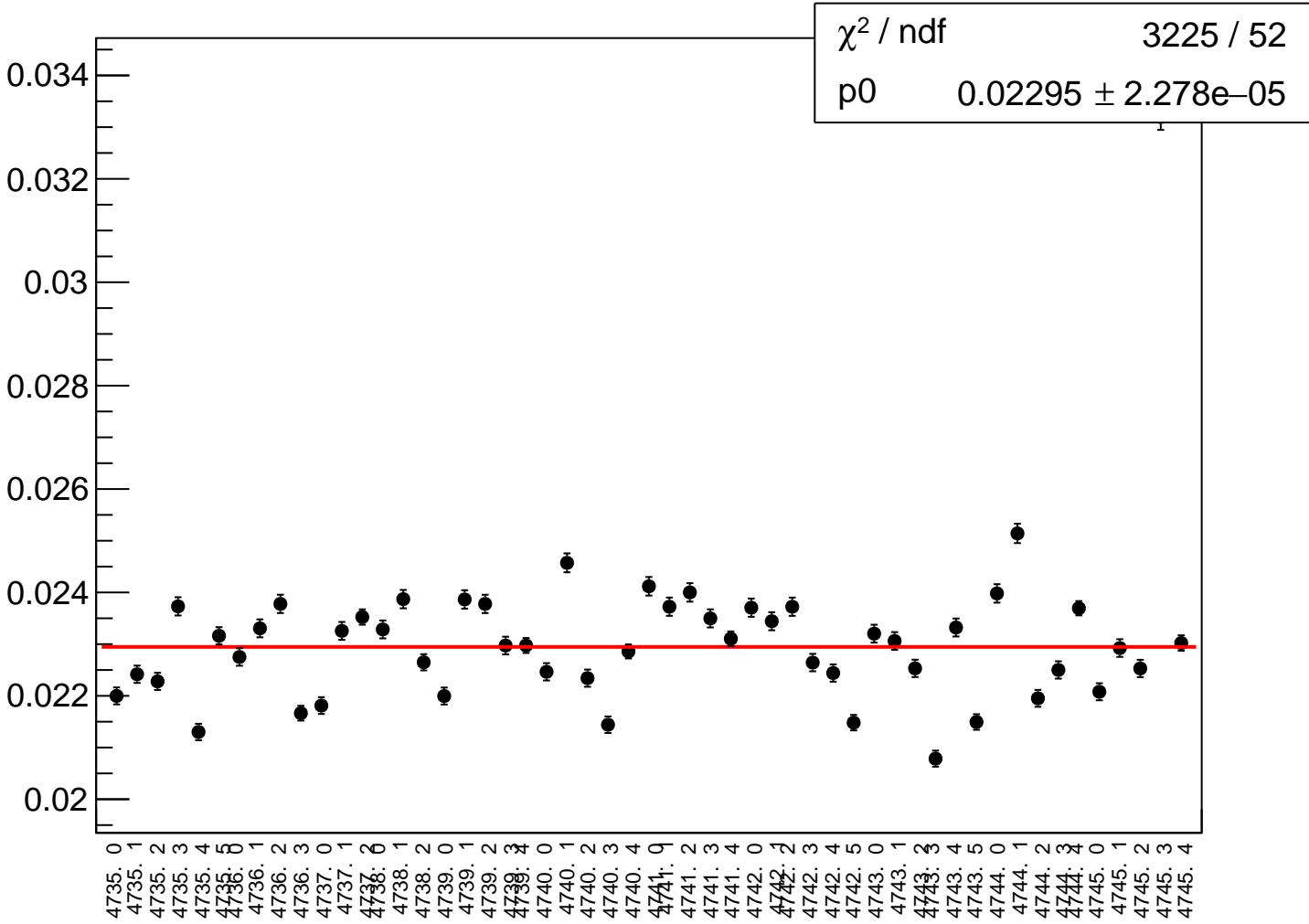


# yield\_bpm2i01Y\_rms vs run

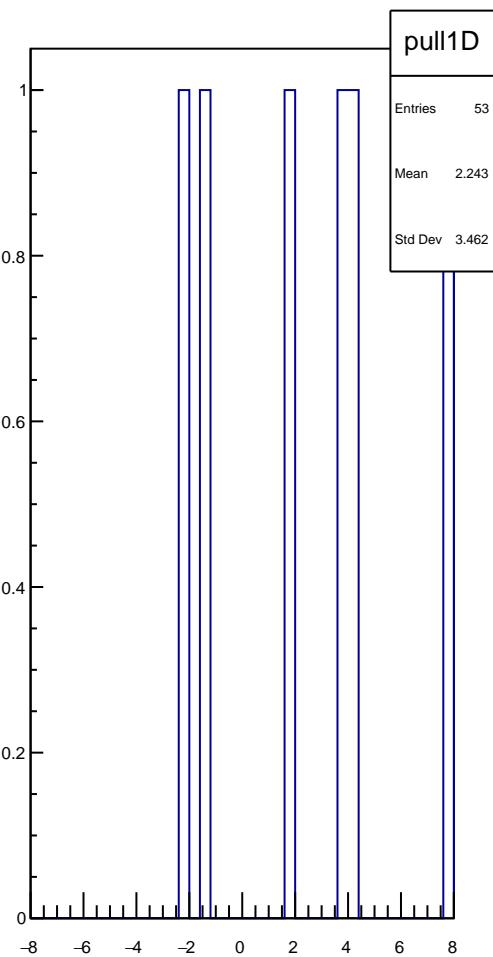
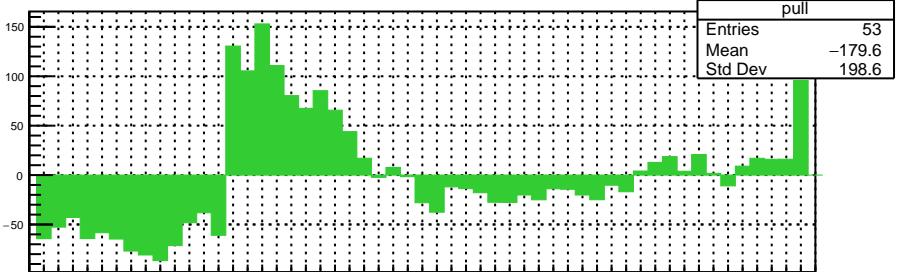
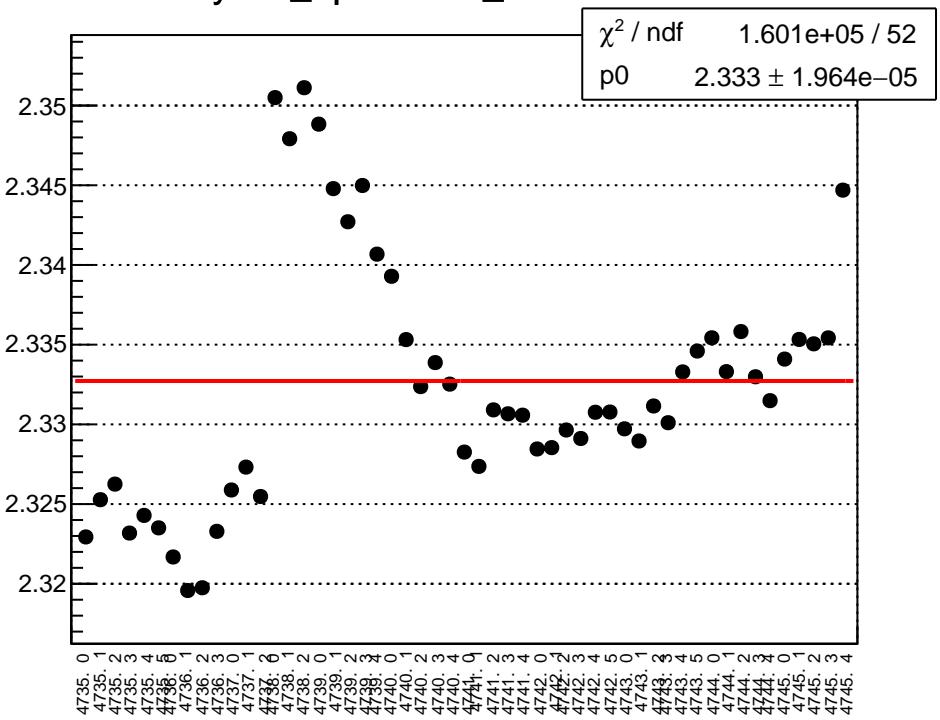




# yield\_bpm2i02X\_rms vs run



# yield\_bpm2i02Y\_mean vs run

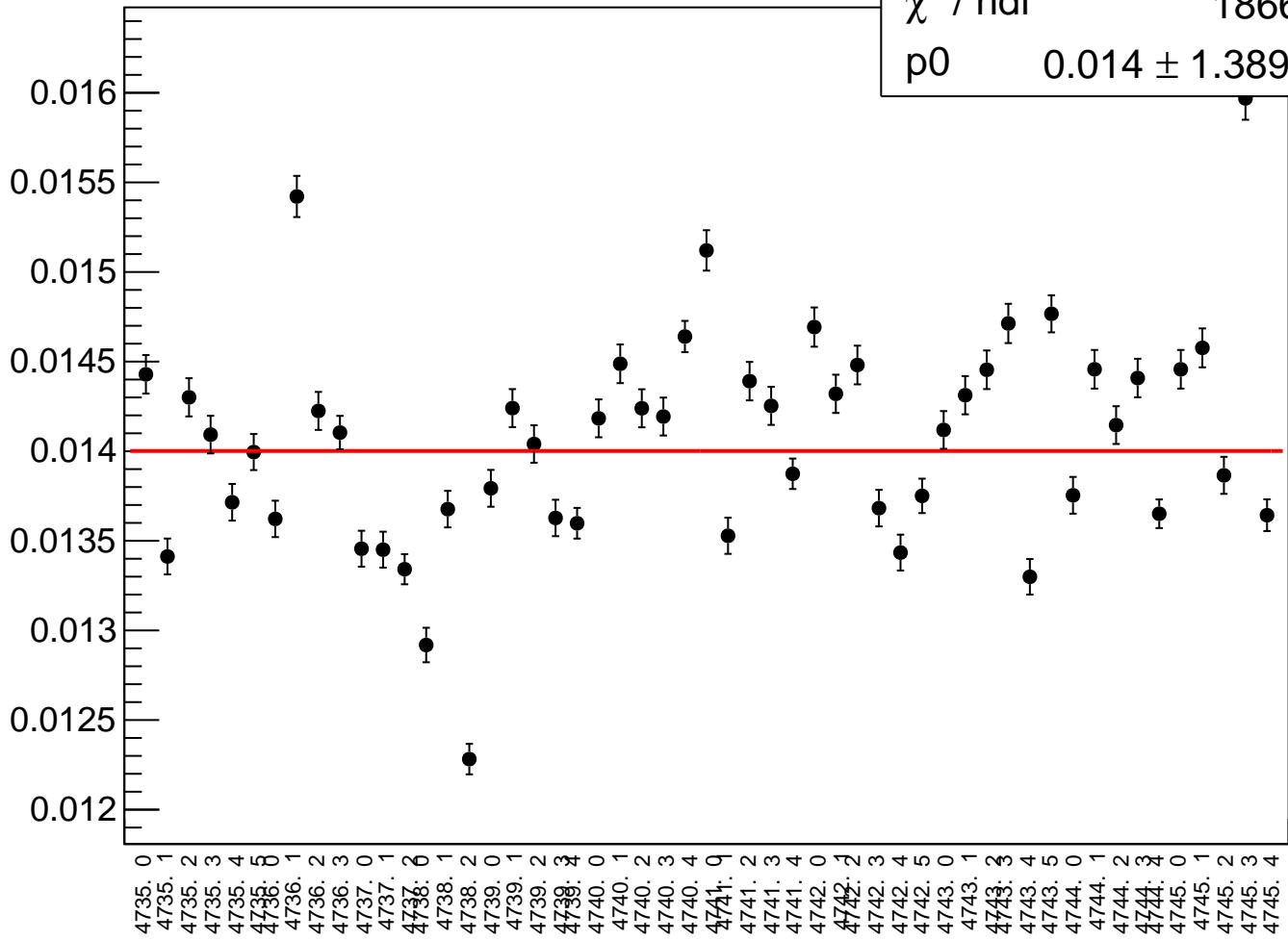


# yield\_bpm2i02Y\_rms vs run

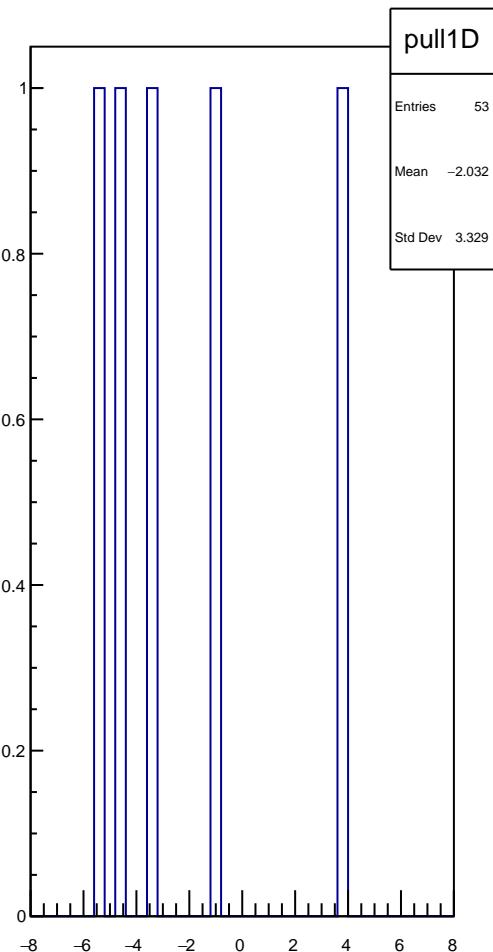
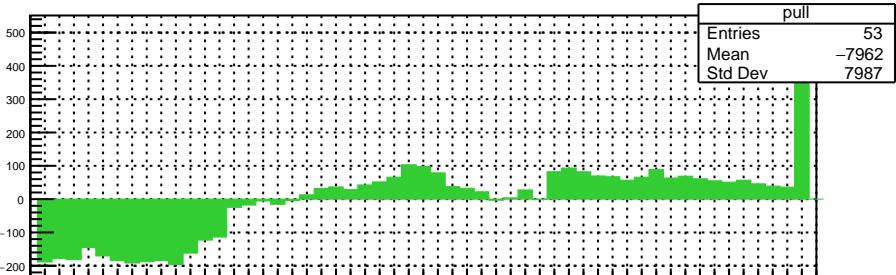
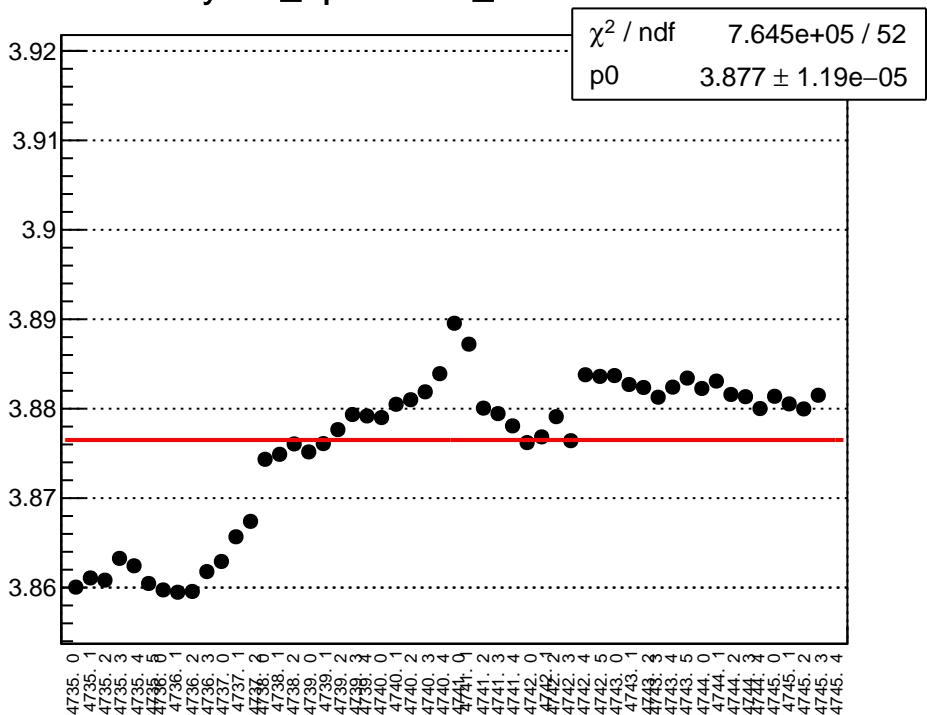
$\chi^2 / \text{ndf}$

p0  $0.014 \pm 1.389 \times 10^{-5}$

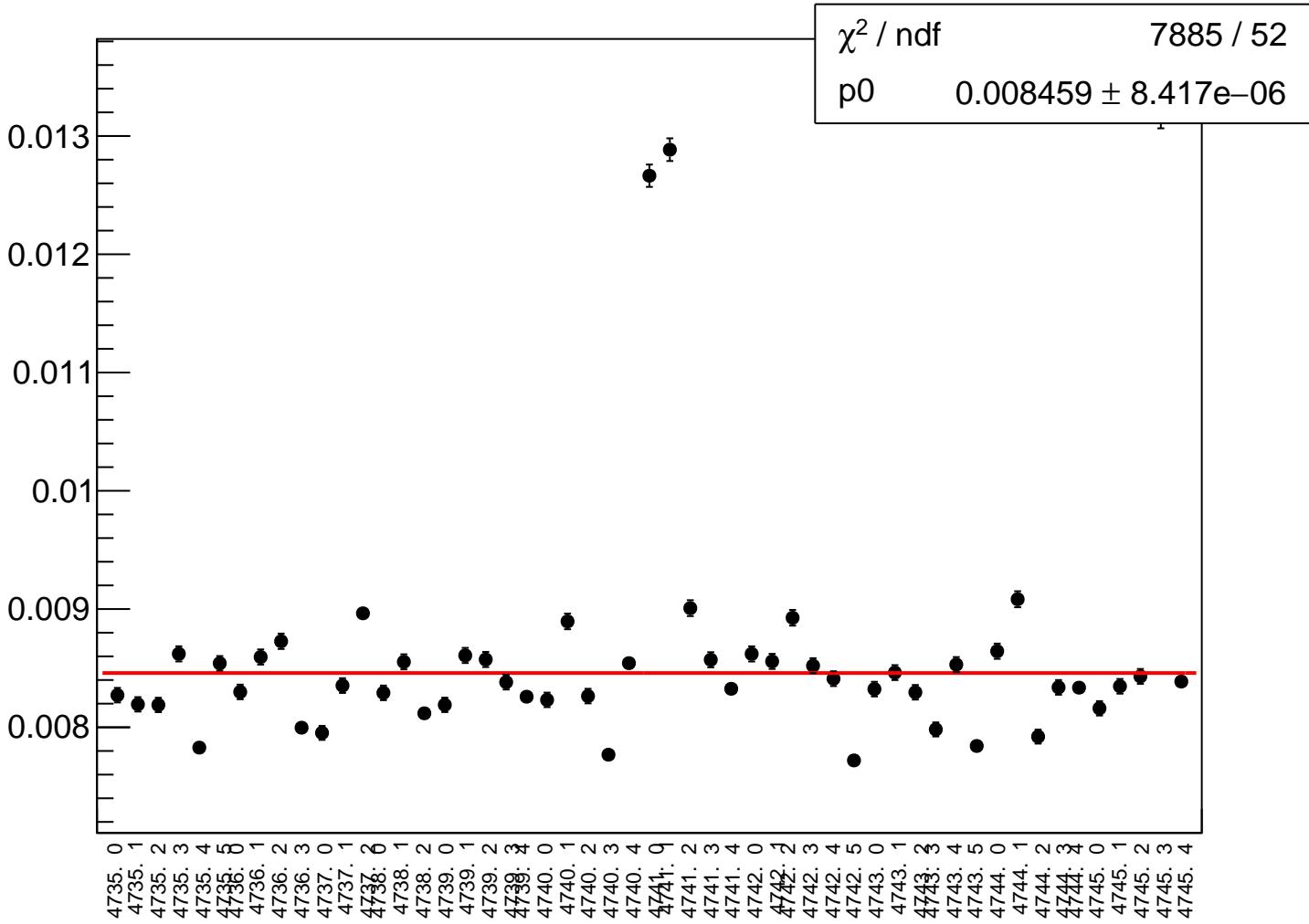
1866 / 52



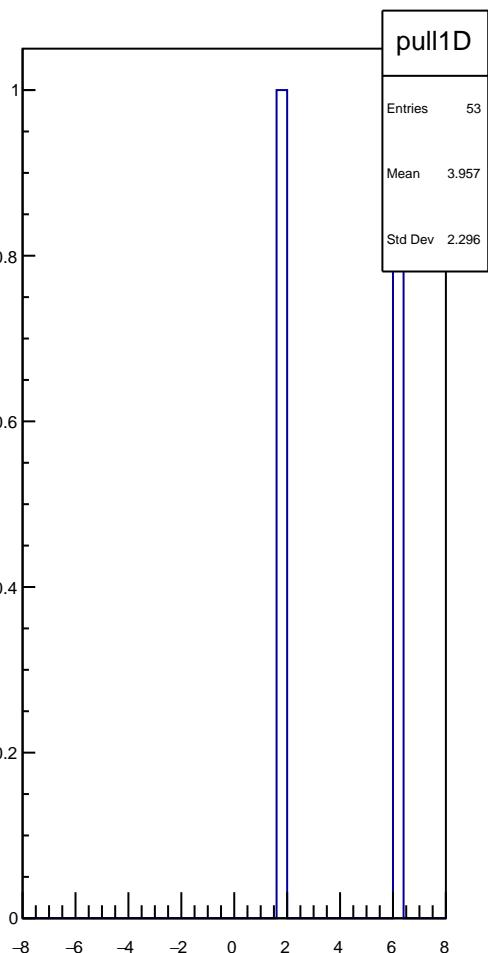
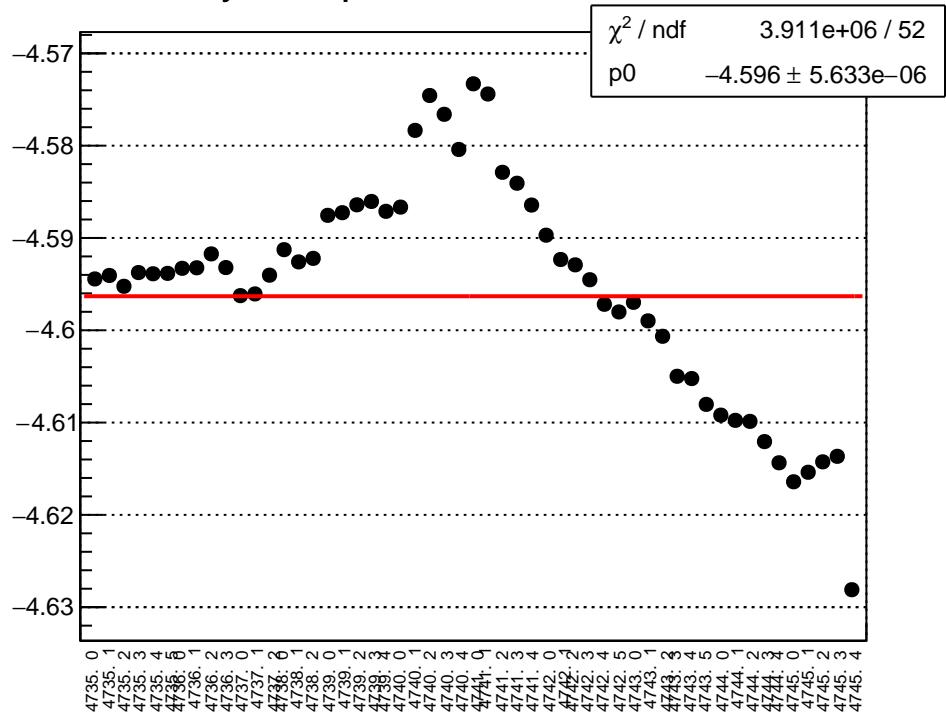
# yield\_bpm1i04X\_mean vs run



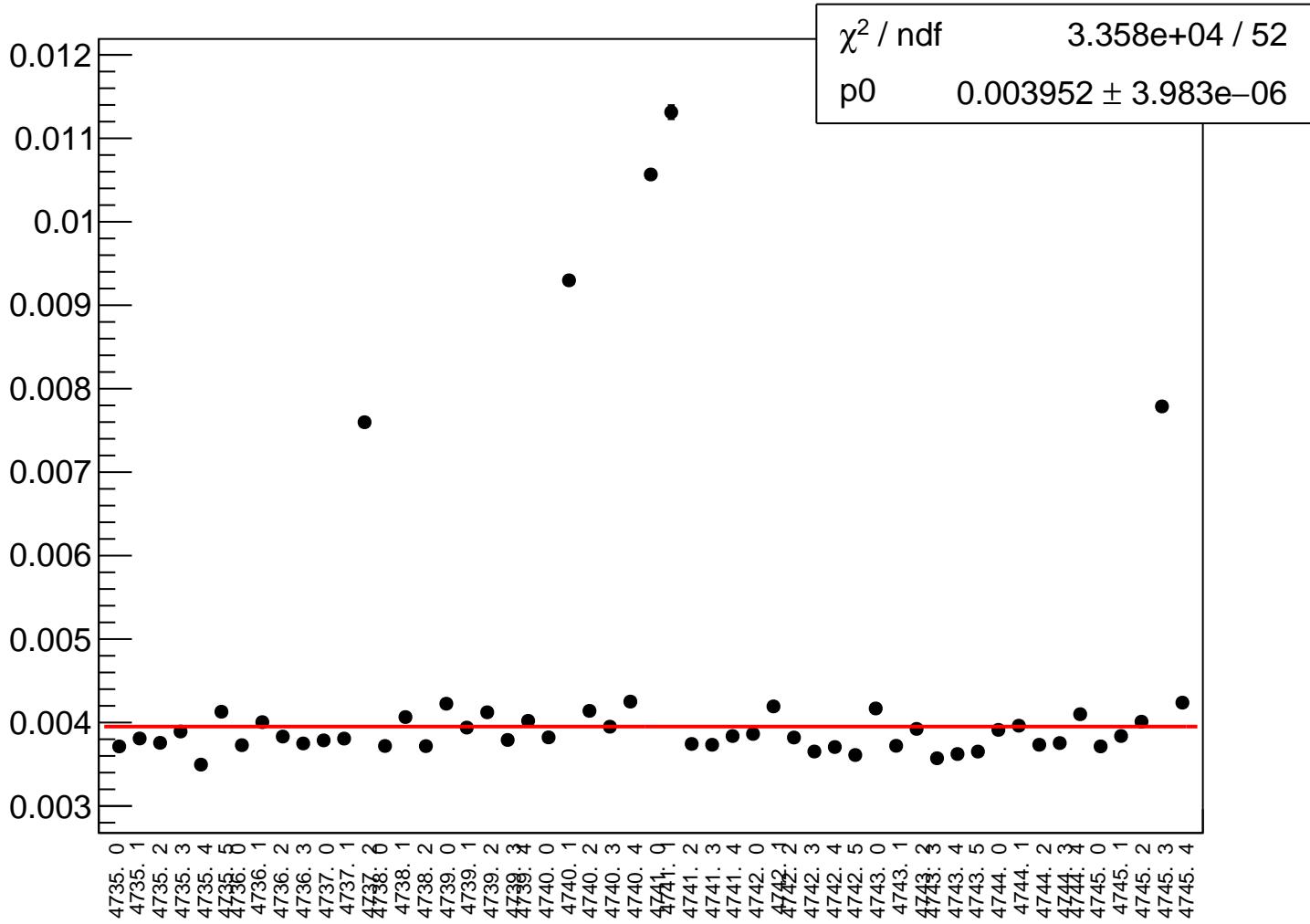
# yield\_bpm1i04X\_rms vs run



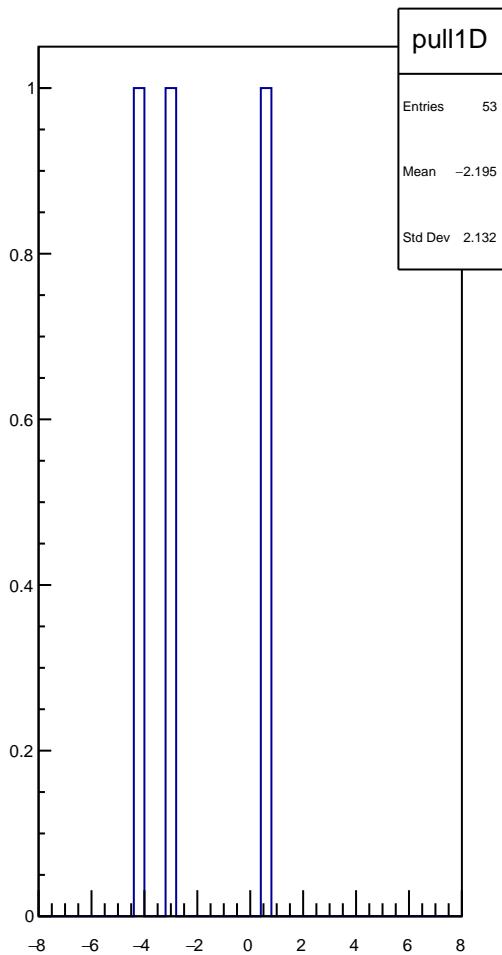
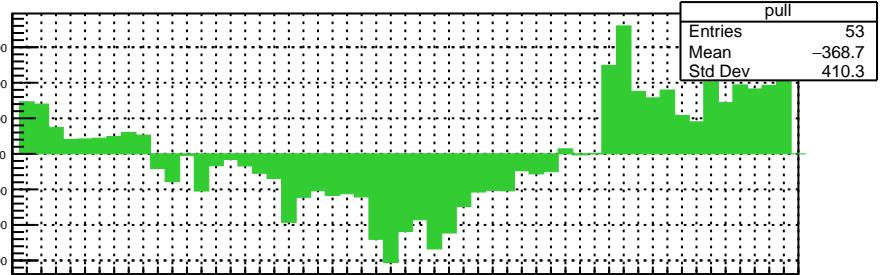
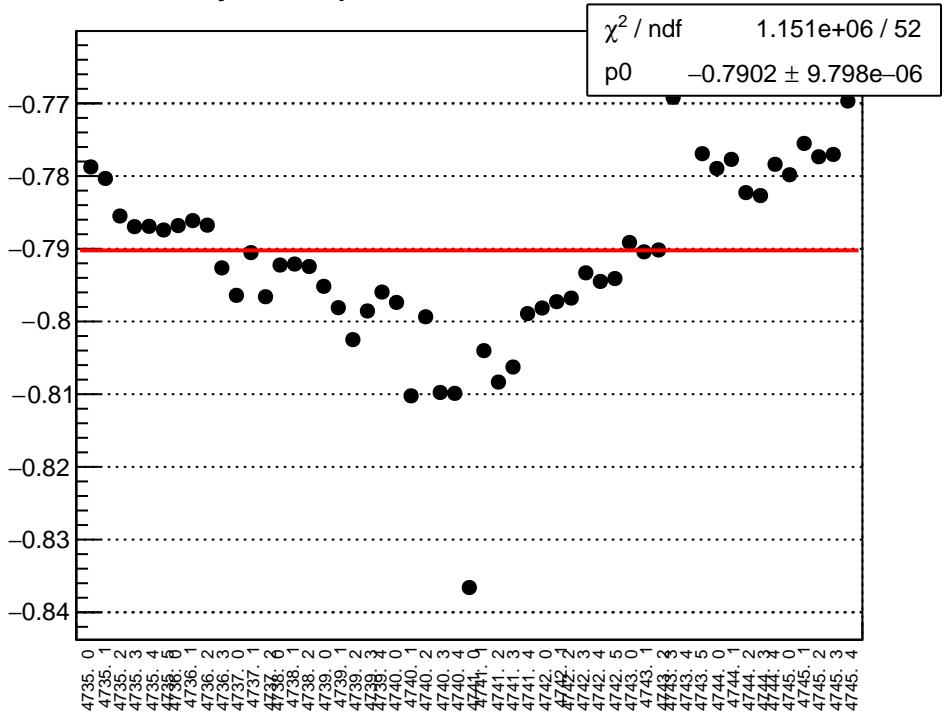
# yield\_bpm1i04Y\_mean vs run



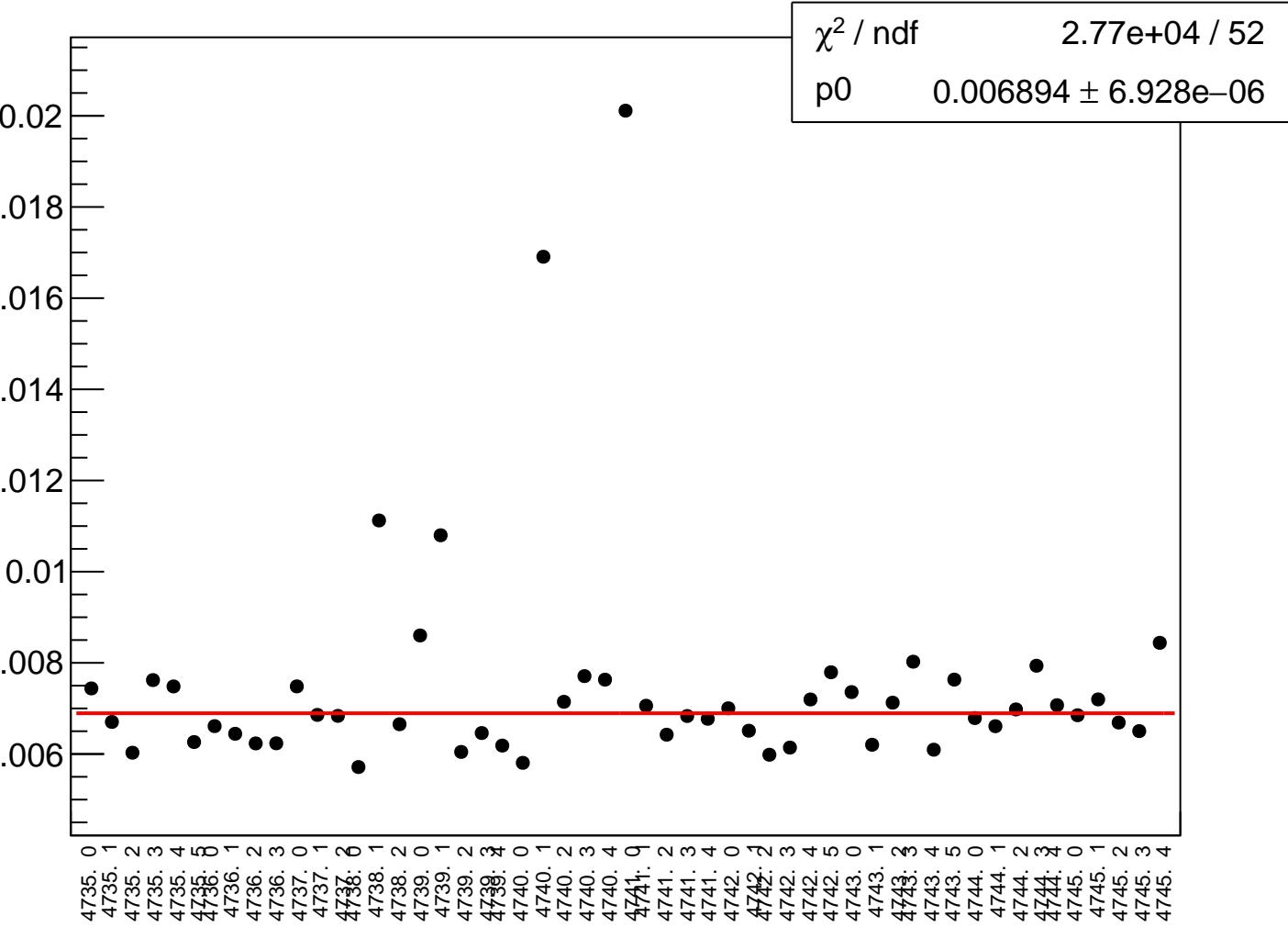
# yield\_bpm1i04Y\_rms vs run



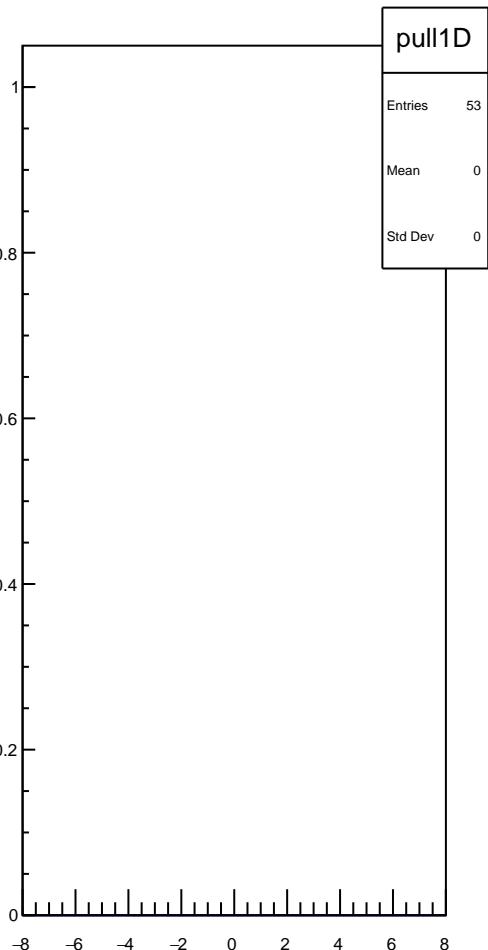
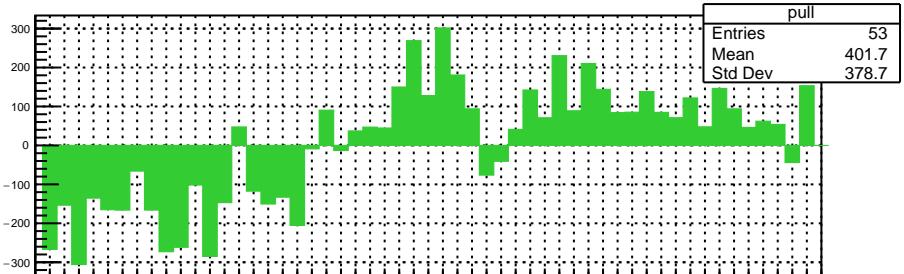
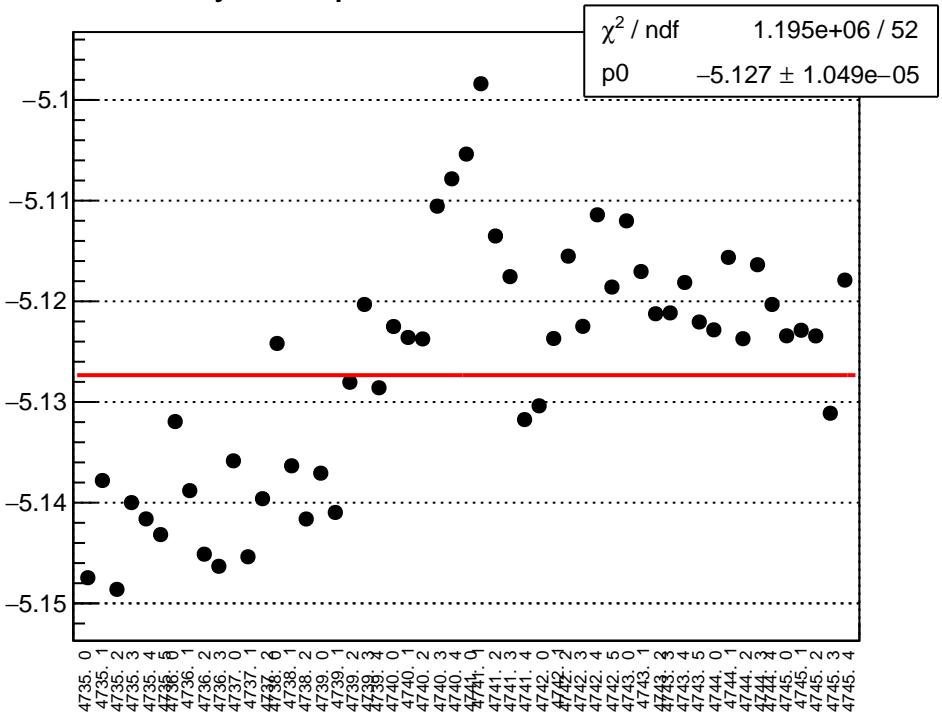
# yield\_bpm0I01X\_mean vs run



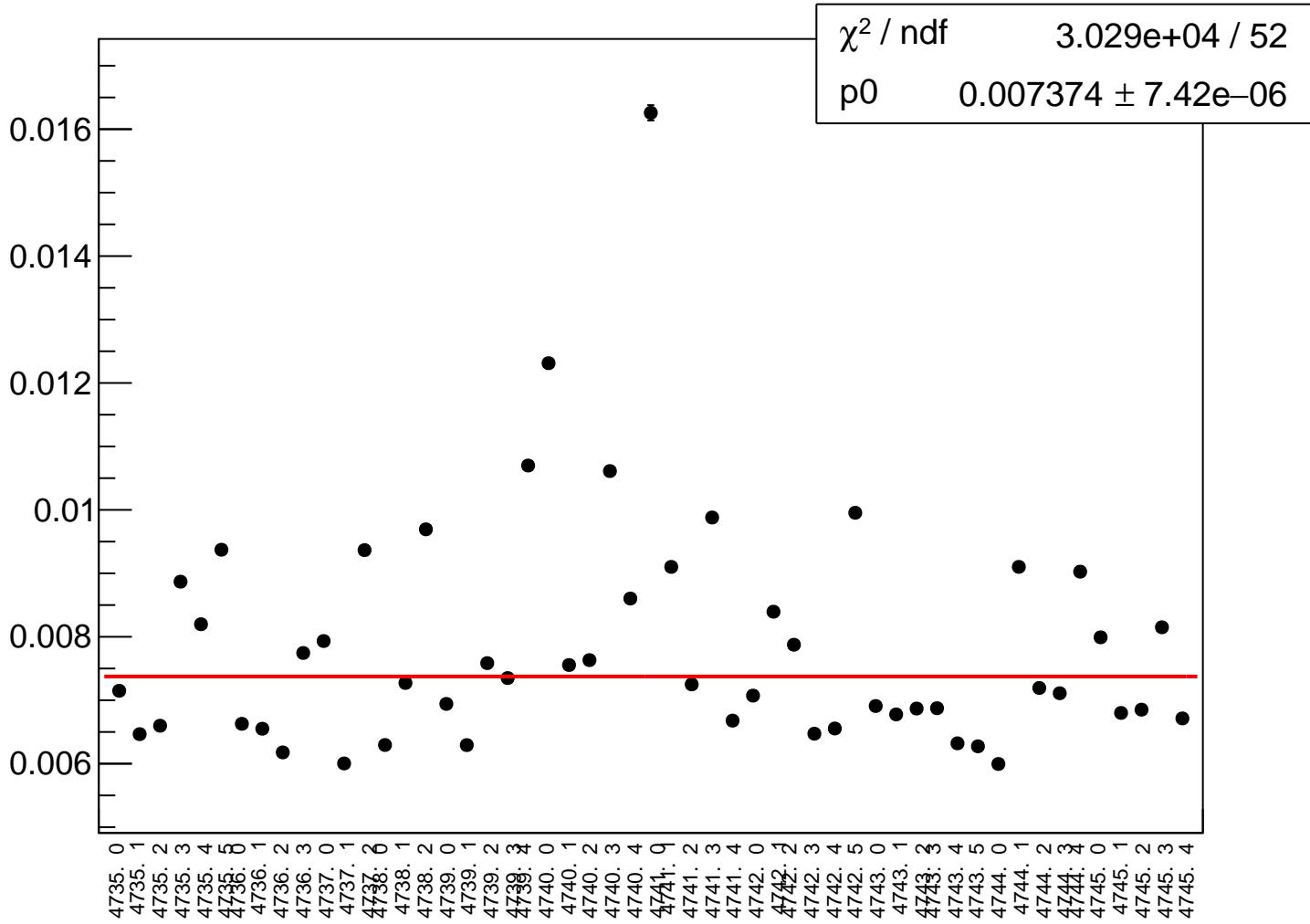
# yield\_bpm0l01X\_rms vs run



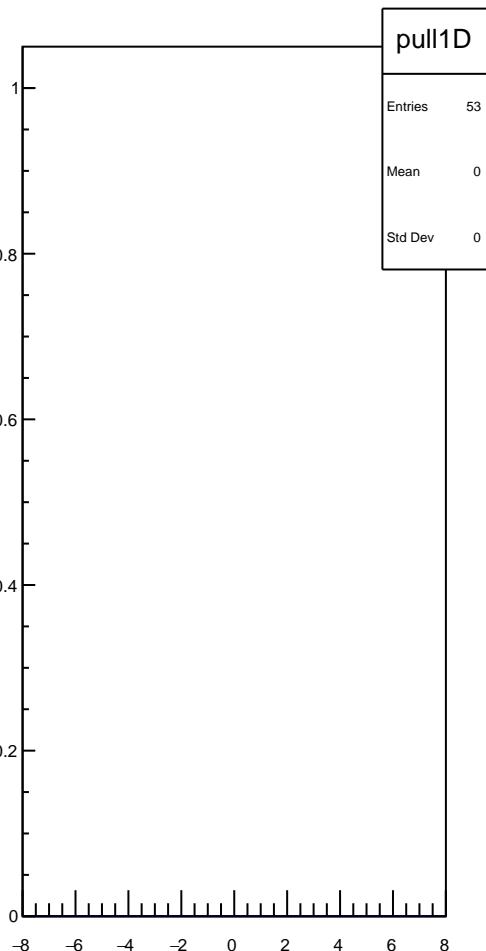
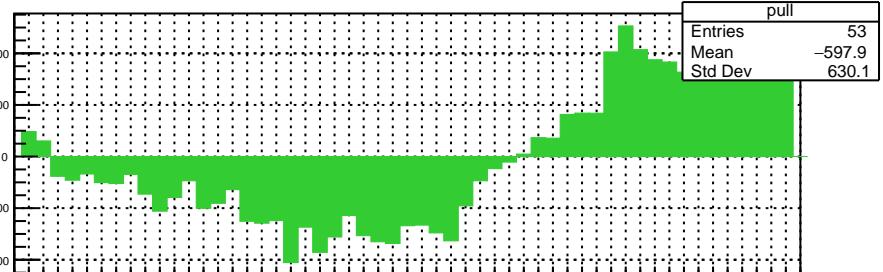
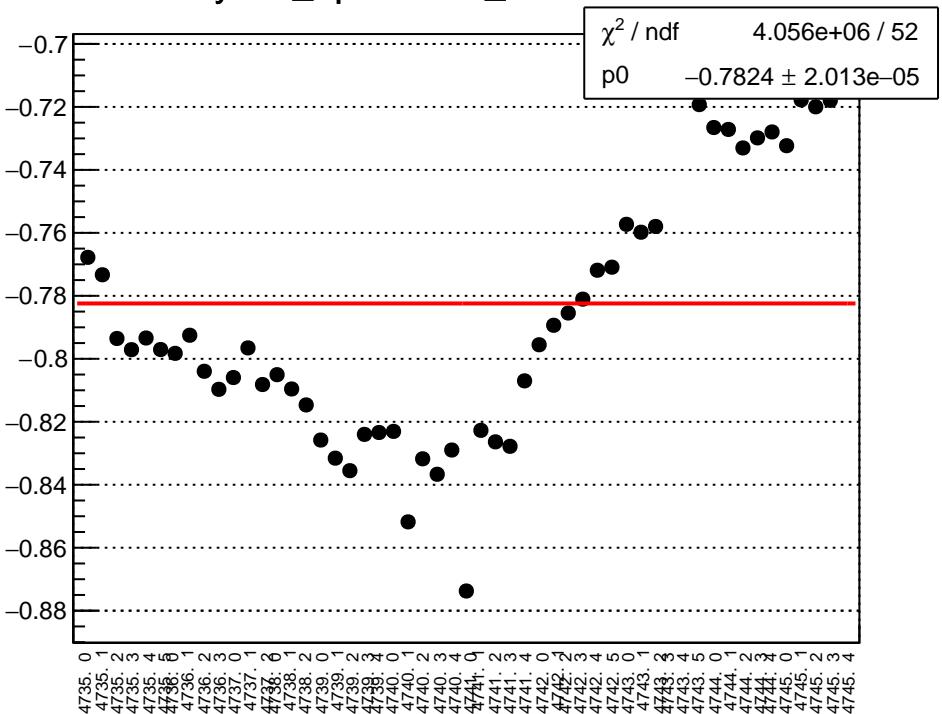
# yield\_bpm0I01Y\_mean vs run



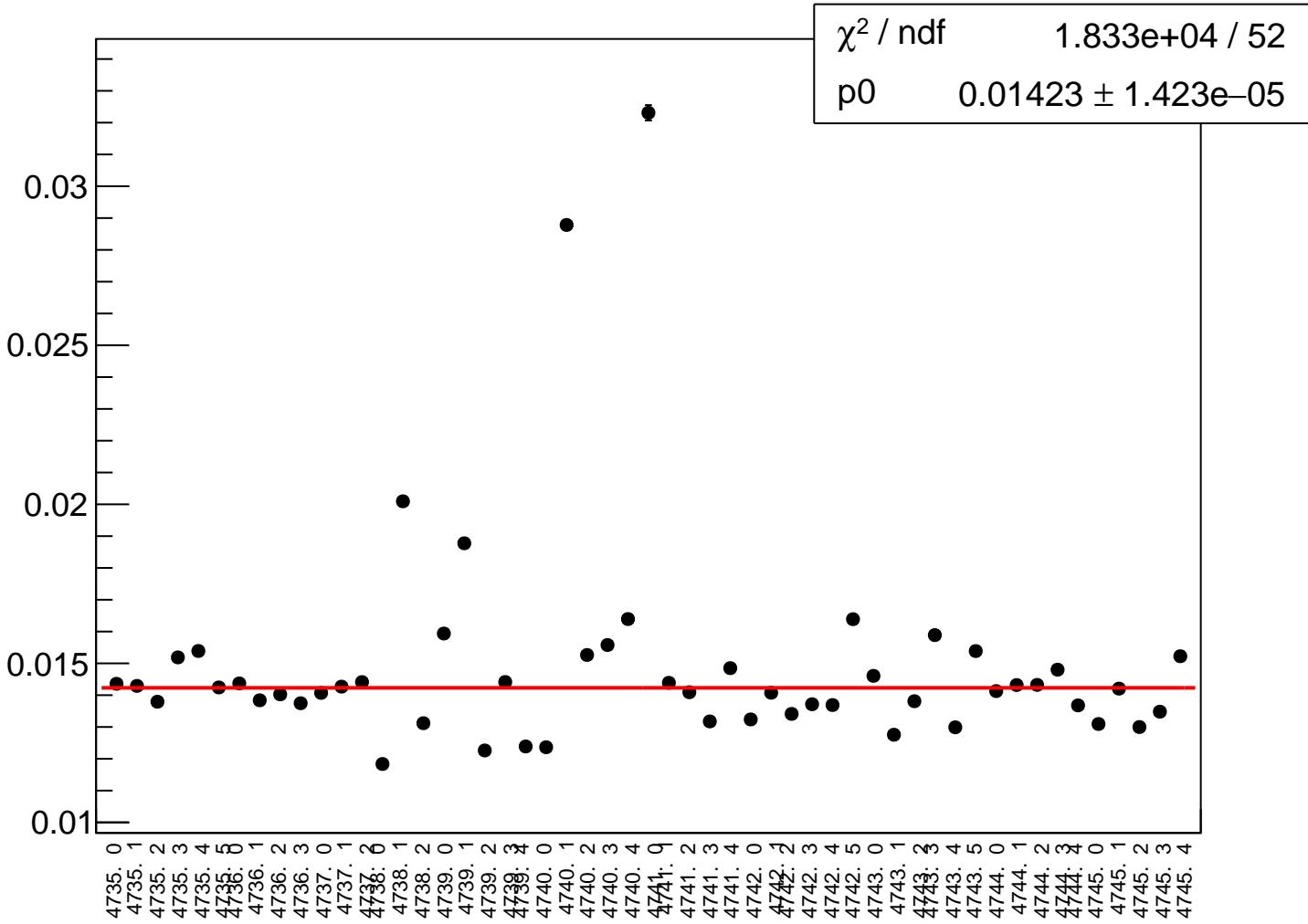
# yield\_bpm0l01Y\_rms vs run



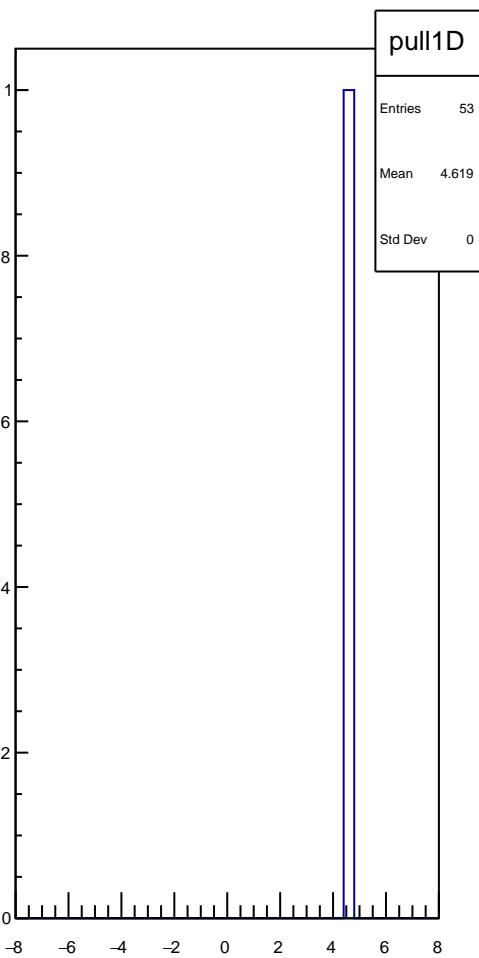
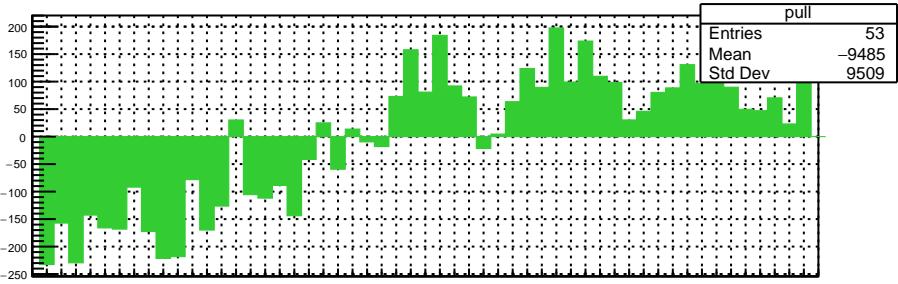
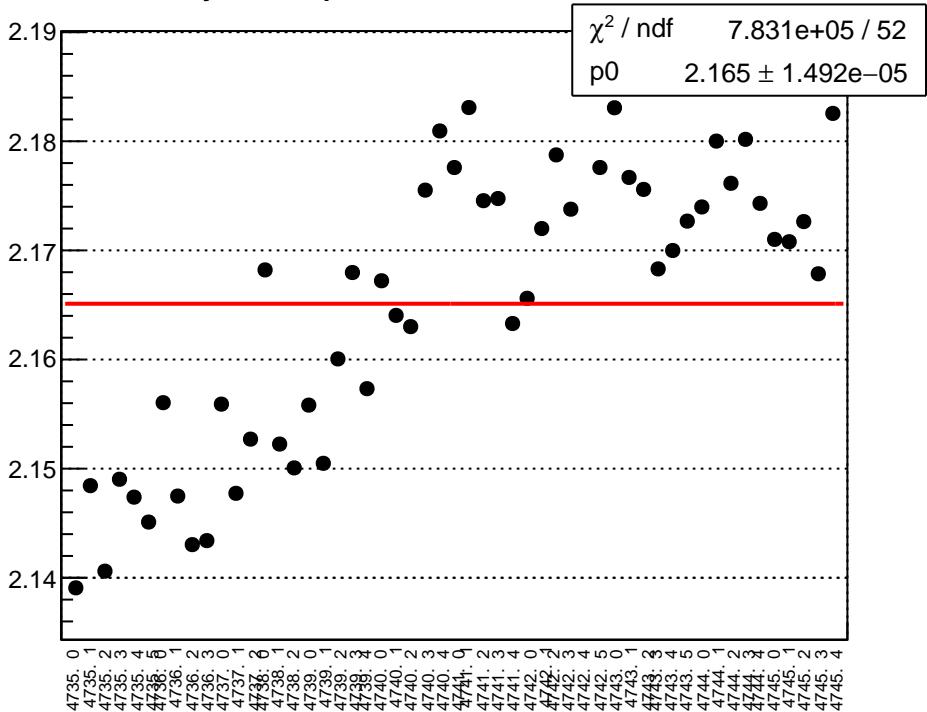
# yield\_bpm0l02X\_mean vs run



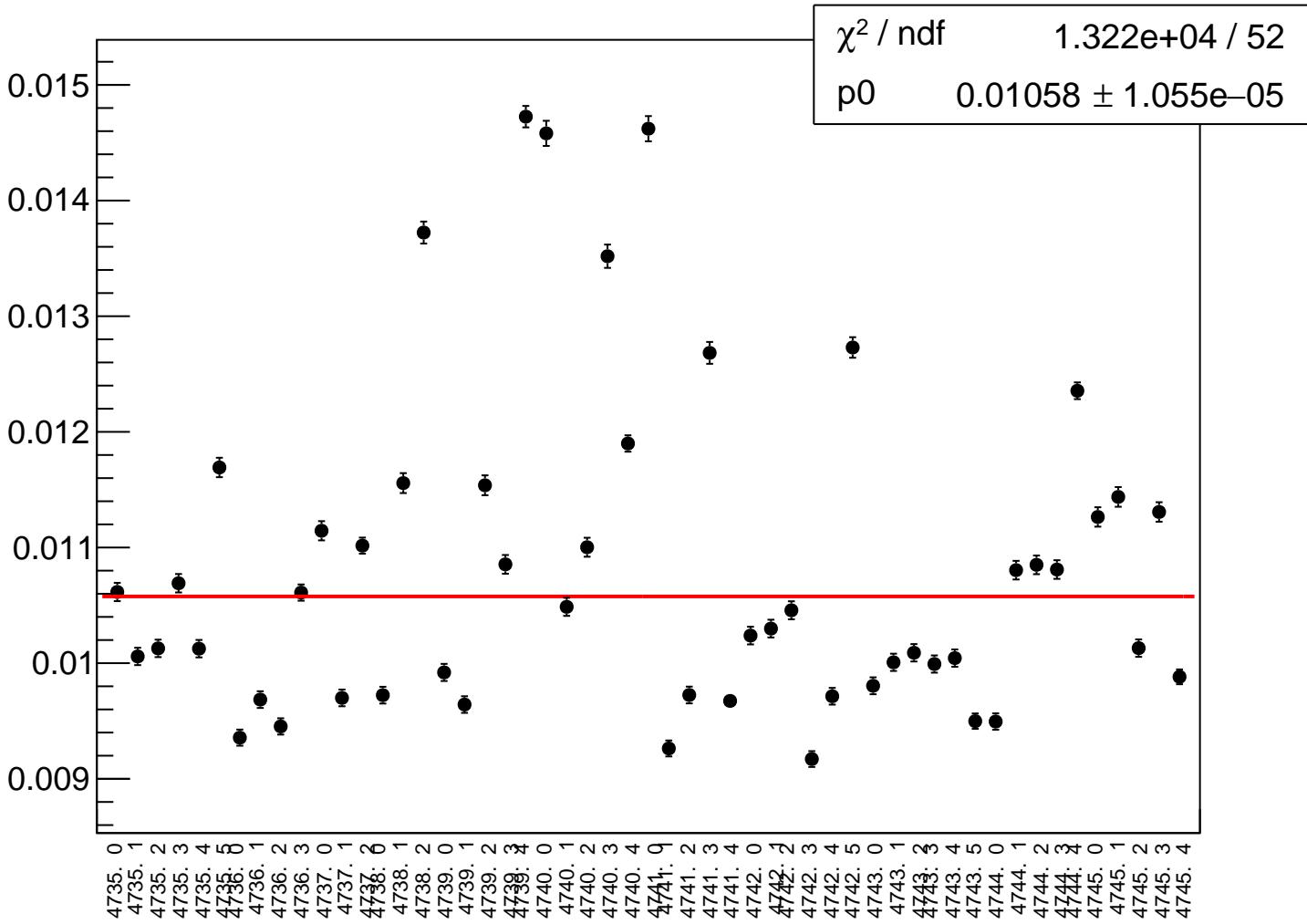
# yield\_bpm0l02X\_rms vs run



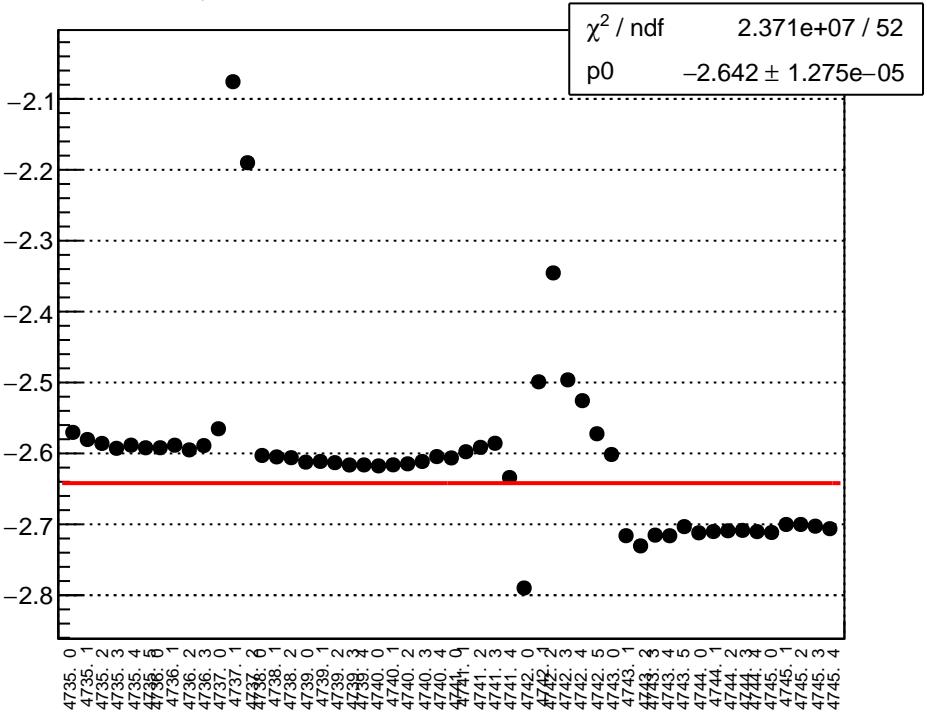
# yield\_bpm0I02Y\_mean vs run



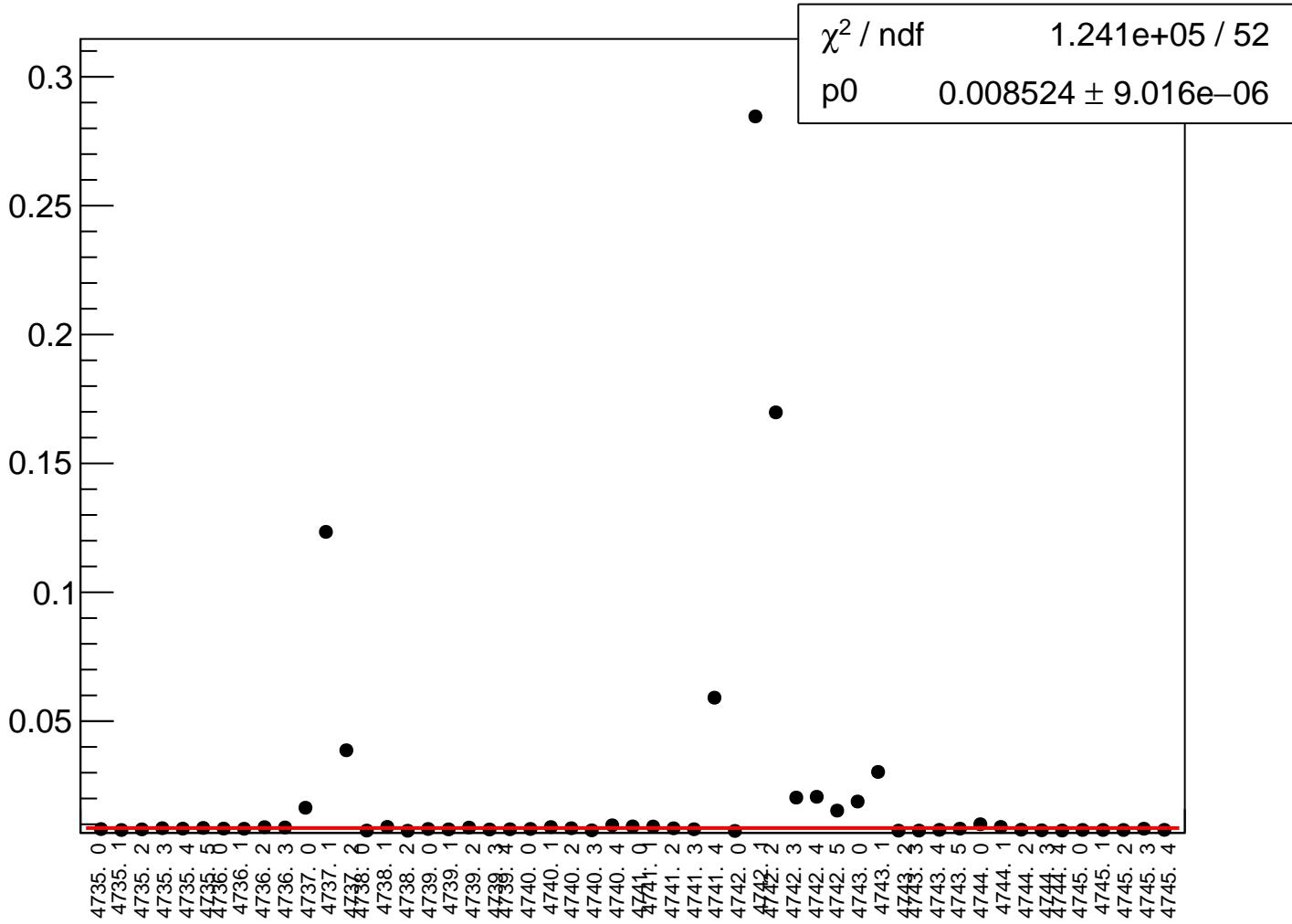
# yield\_bpm0l02Y\_rms vs run



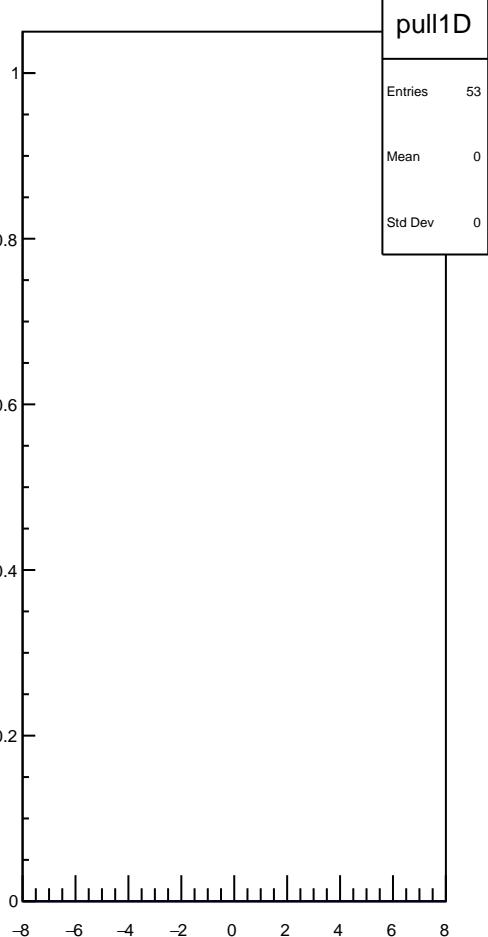
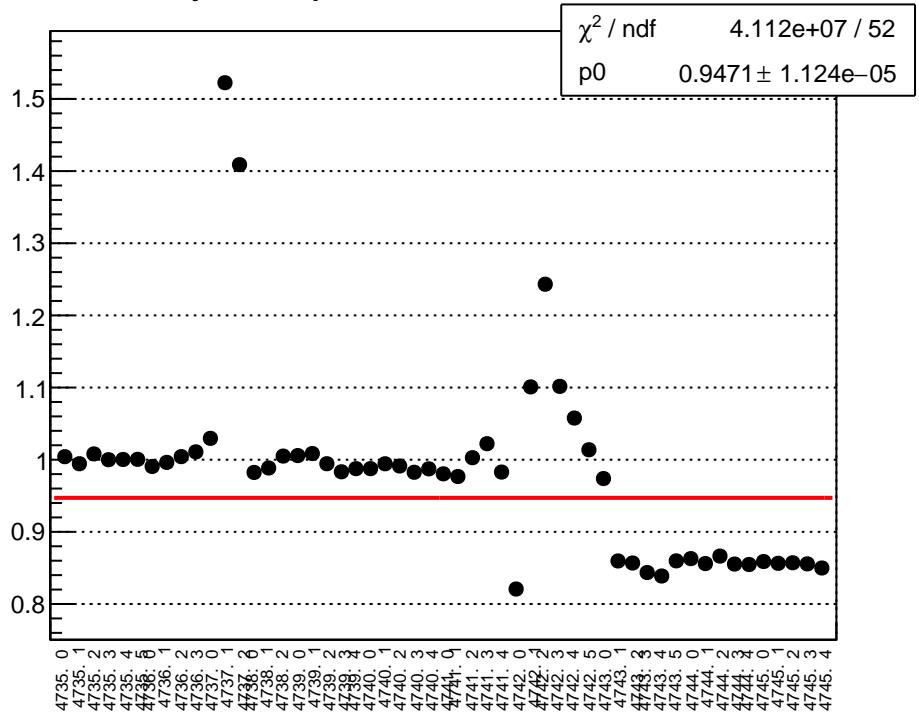
# yield\_bpm0l03X\_mean vs run



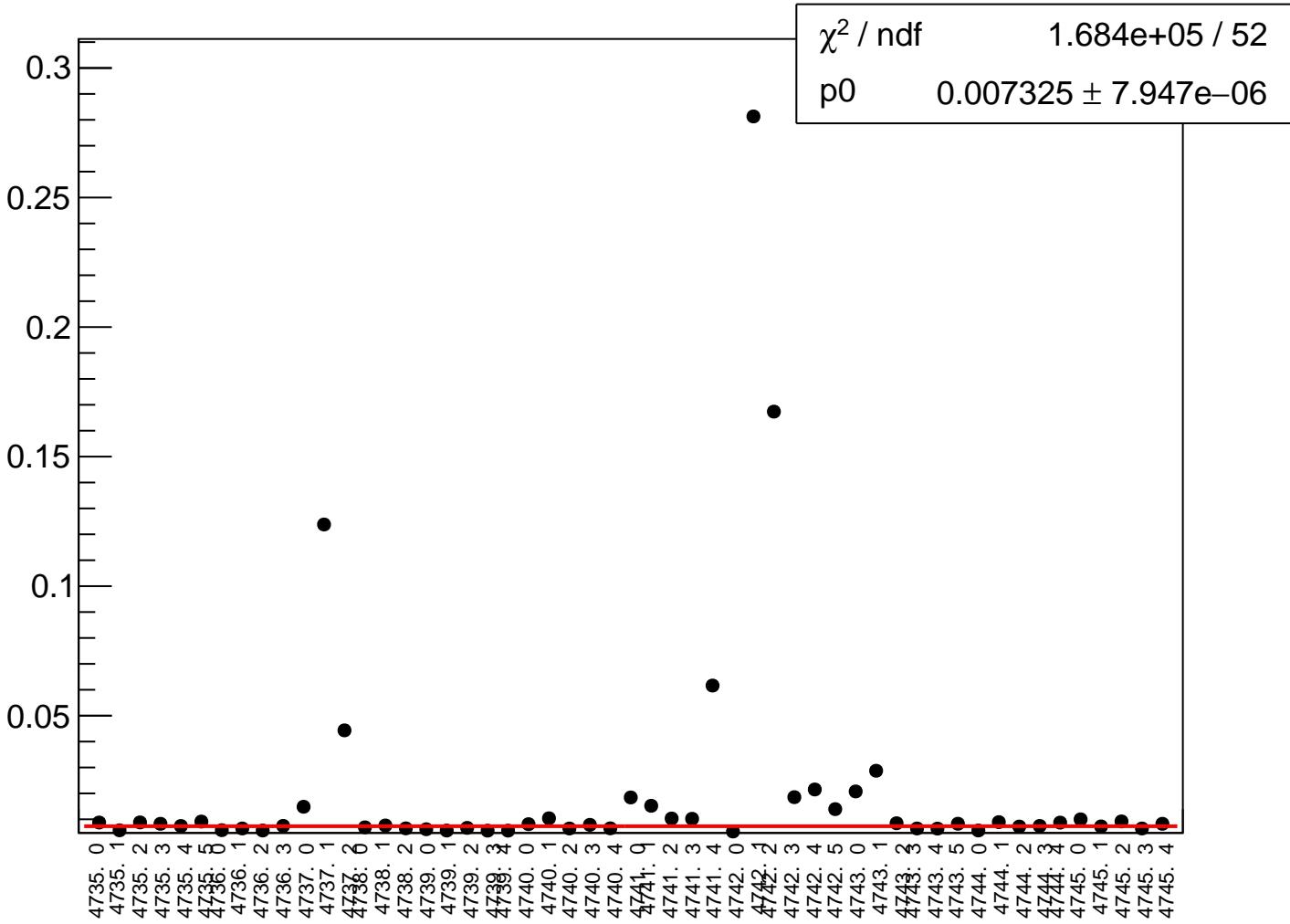
# yield\_bpm0l03X\_rms vs run



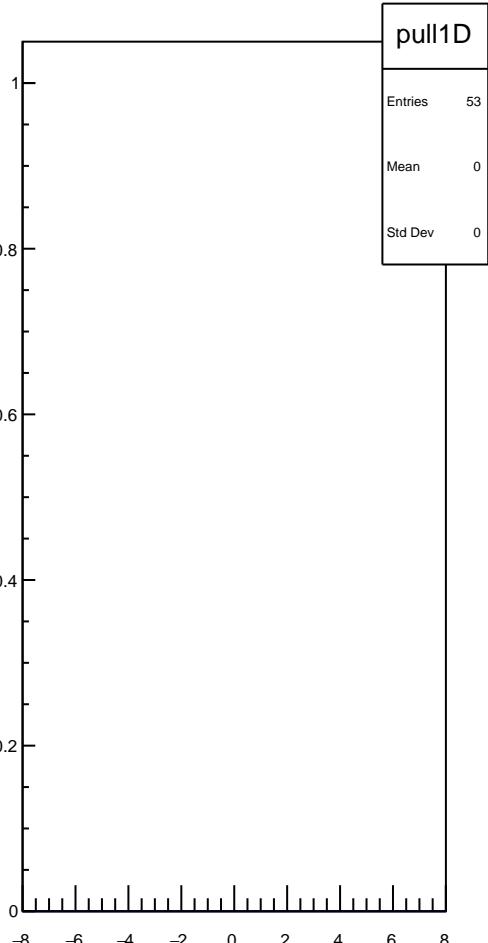
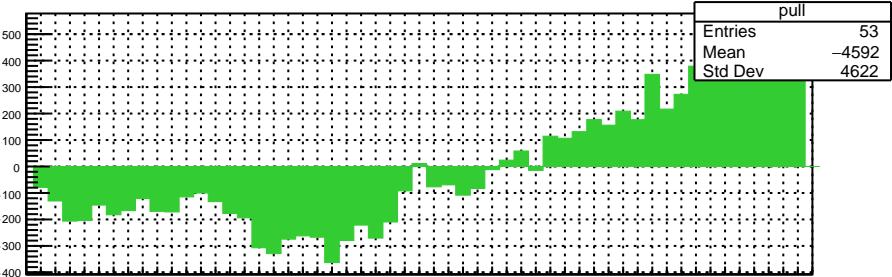
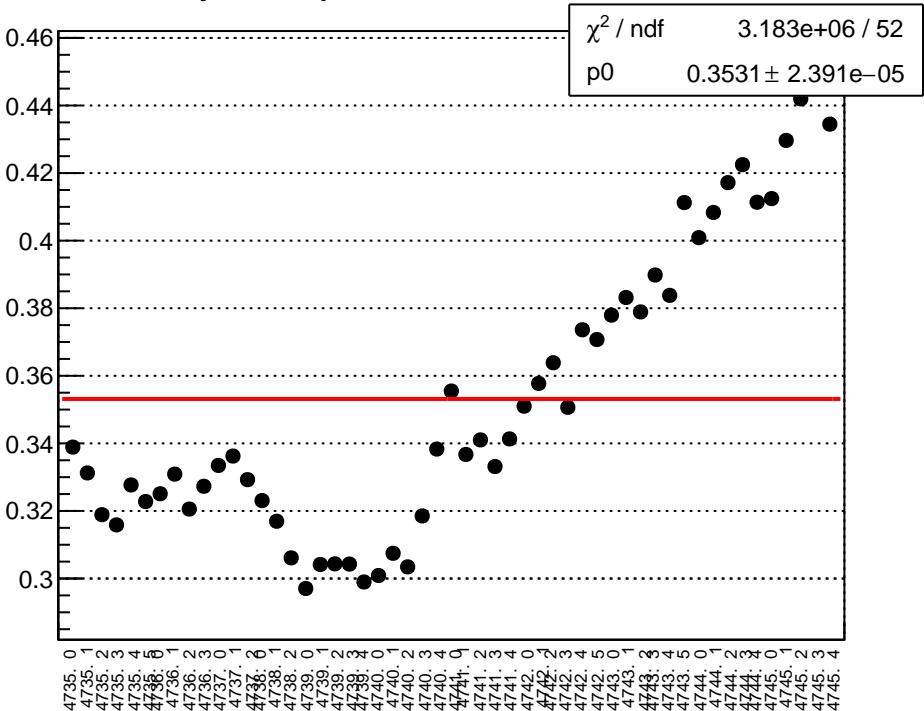
# yield\_bpm0I03Y\_mean vs run



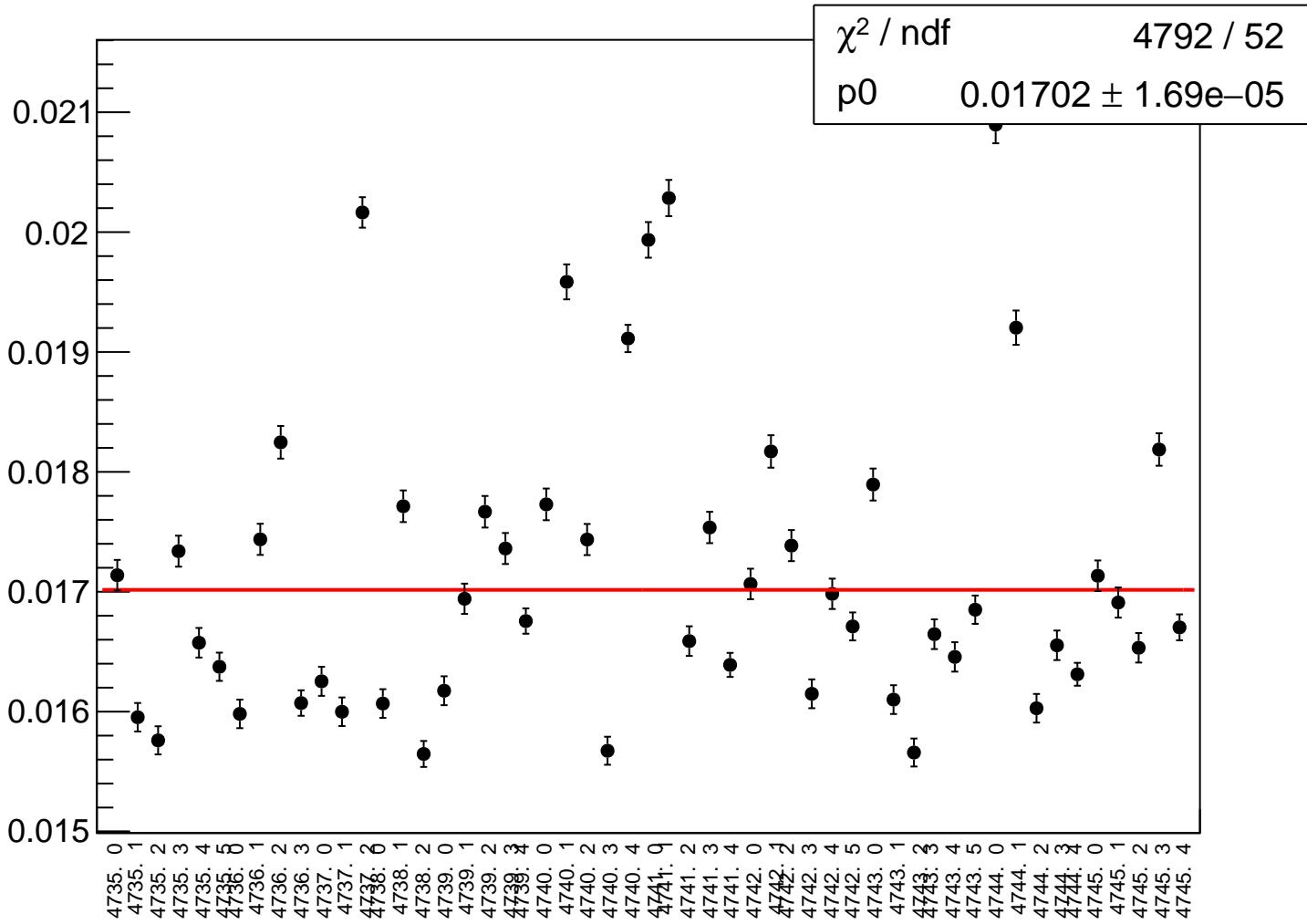
# yield\_bpm0l03Y\_rms vs run



# yield\_bpm0l04X\_mean vs run

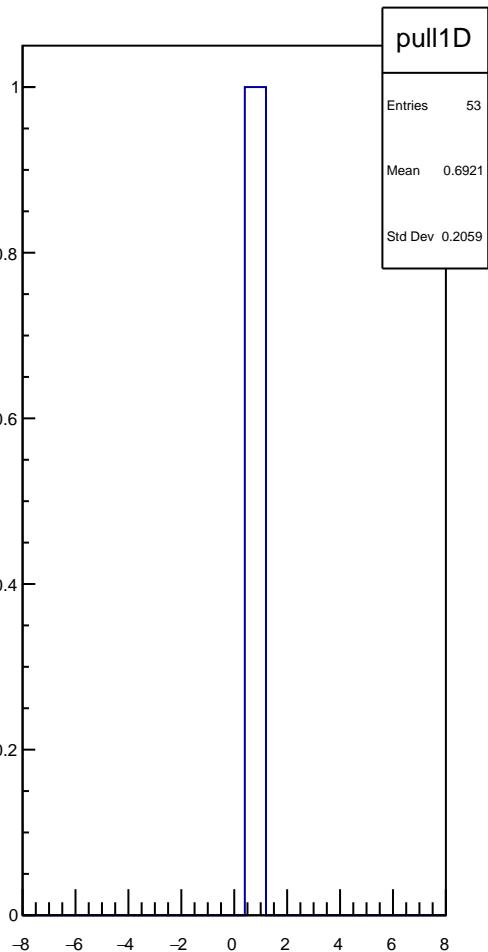
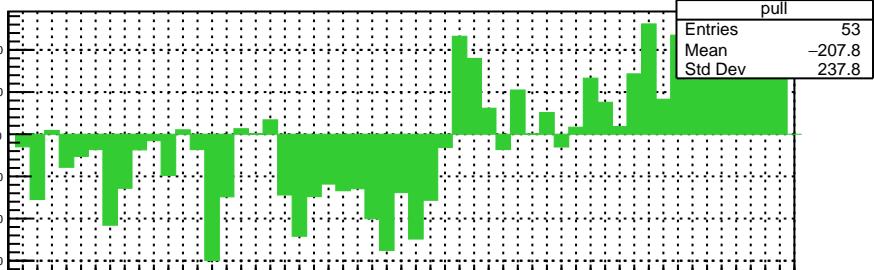
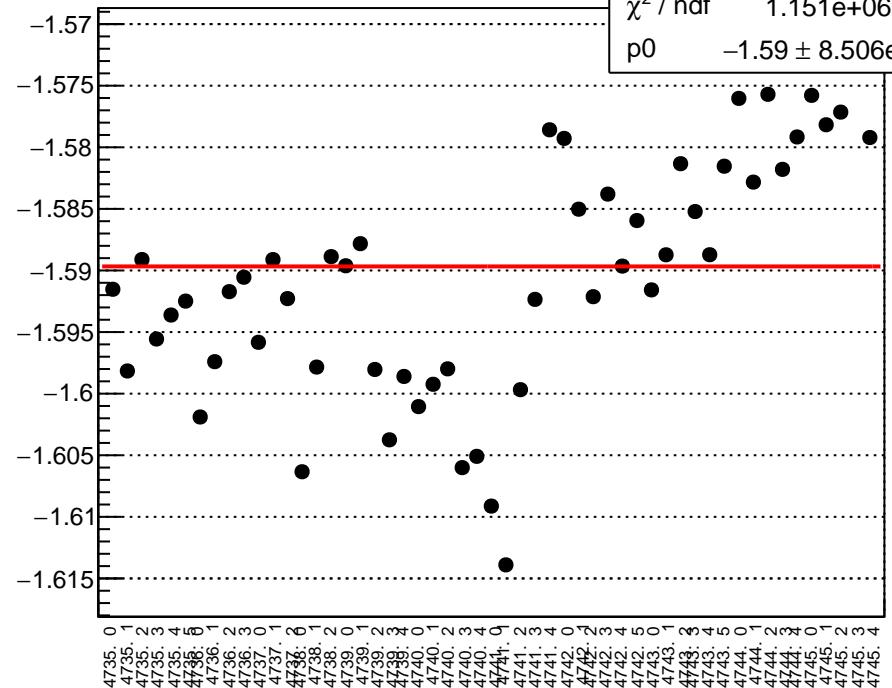


# yield\_bpm0l04X\_rms vs run

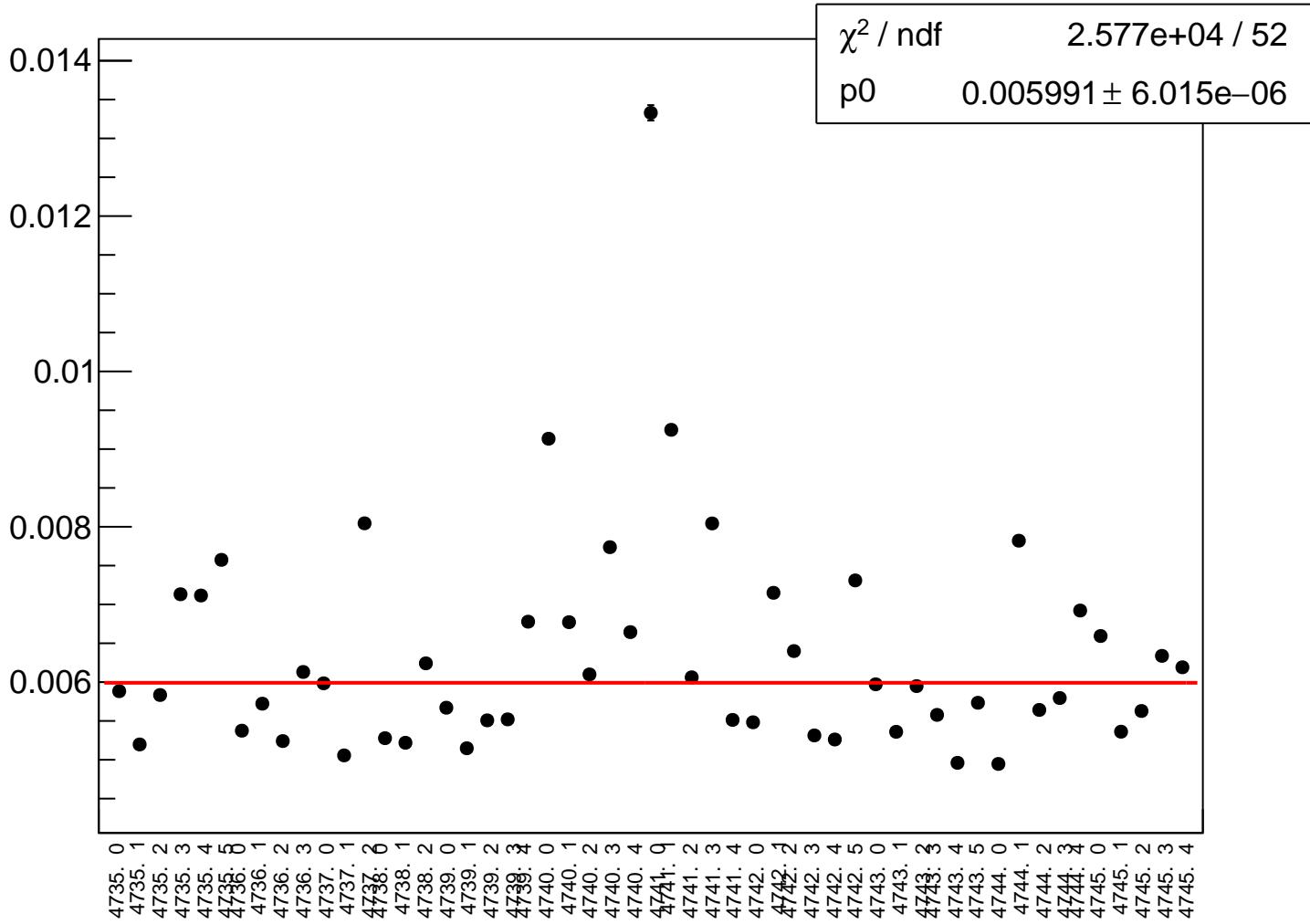


# yield\_bpm0I04Y\_mean vs run

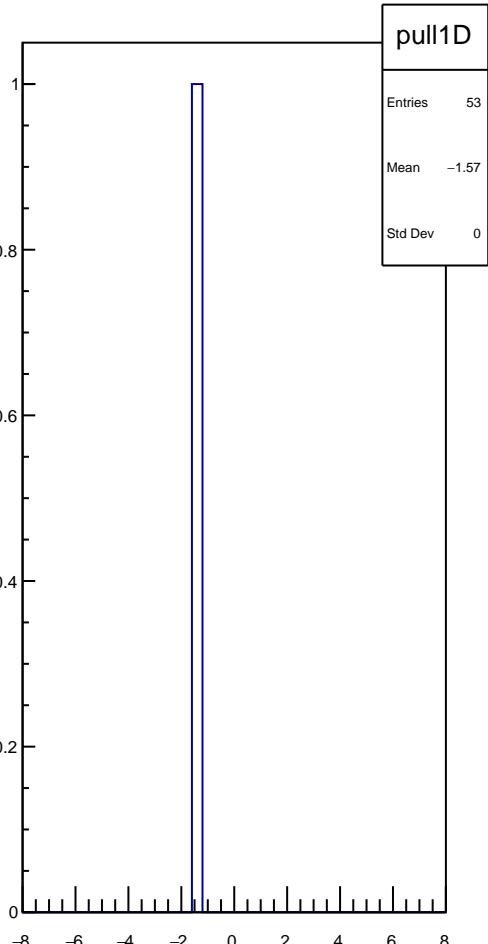
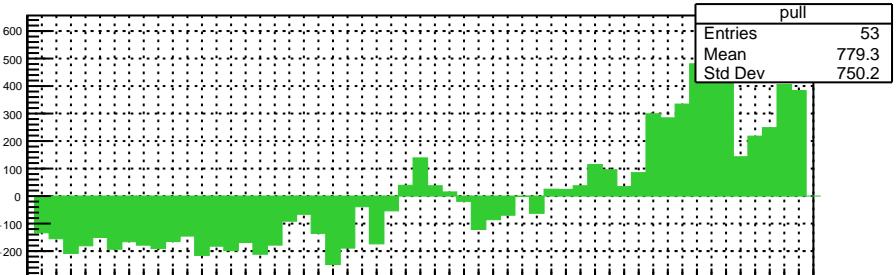
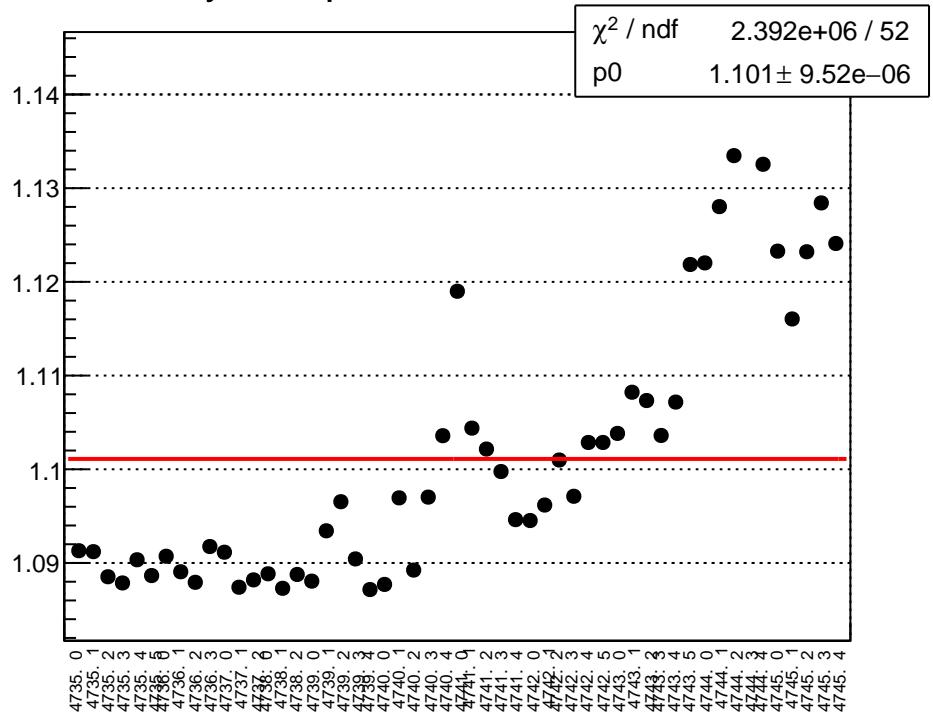
$\chi^2 / \text{ndf}$  1.151e+06 / 52  
p0  $-1.59 \pm 8.506\text{e}{-06}$



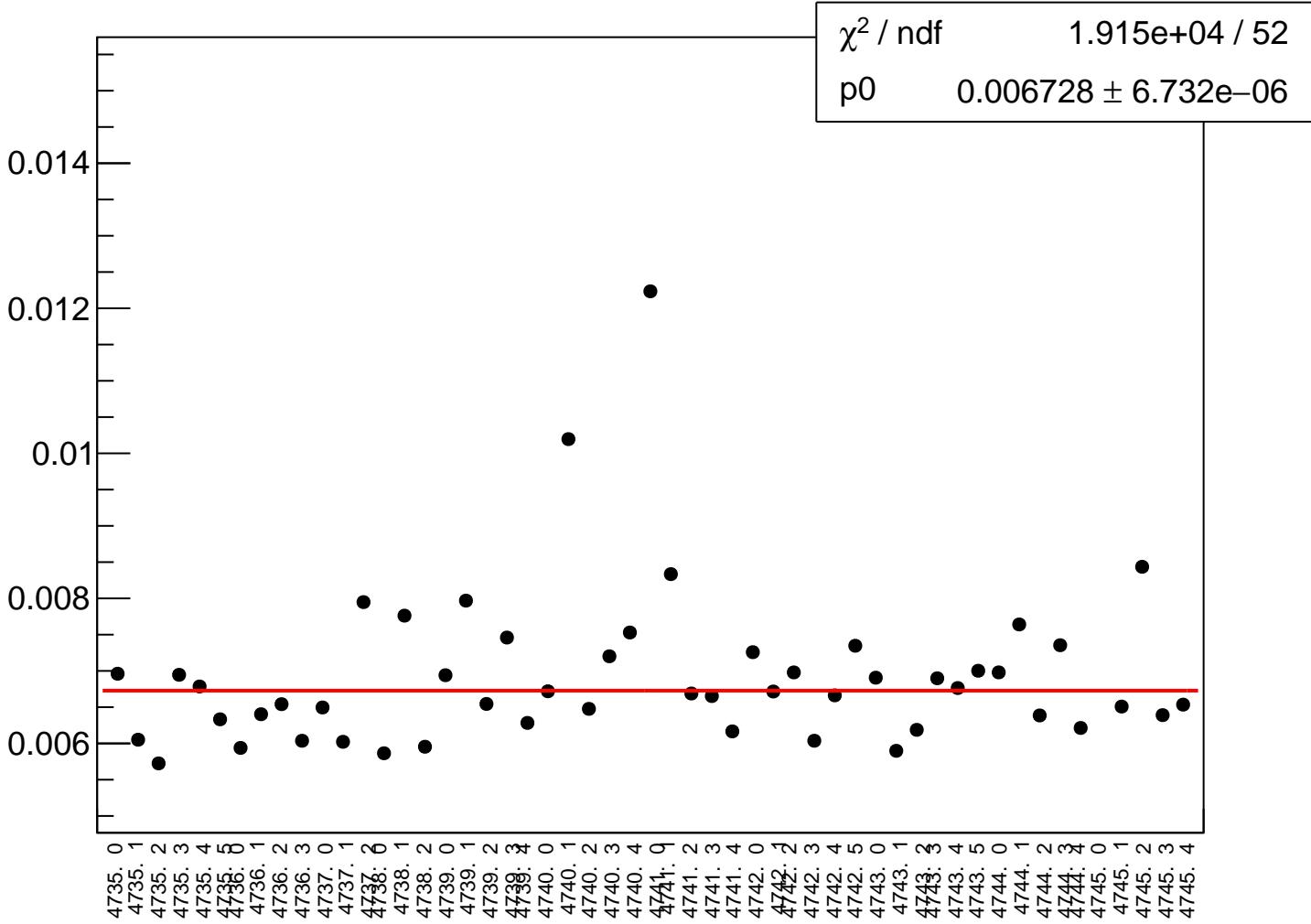
# yield\_bpm0l04Y\_rms vs run



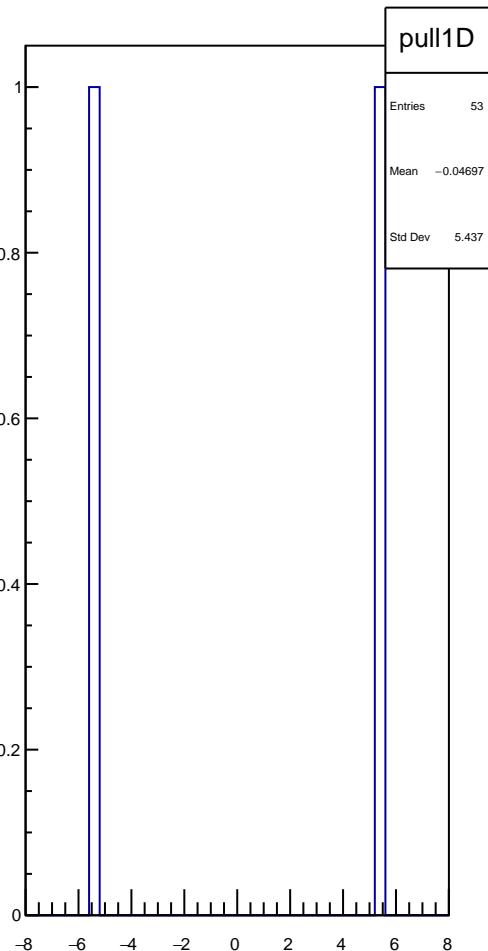
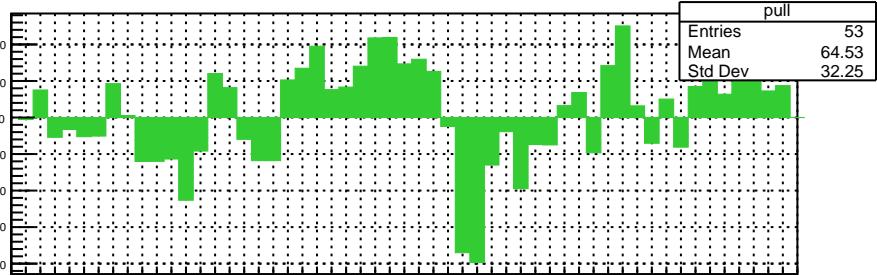
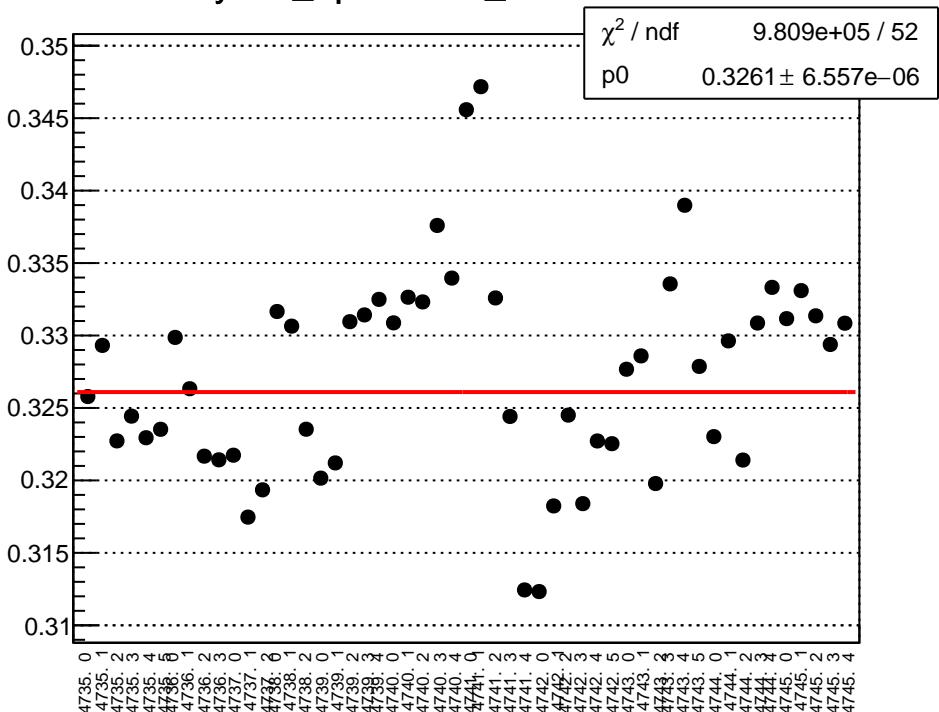
# yield\_bpm0l05X\_mean vs run



# yield\_bpm0l05X\_rms vs run



# yield\_bpm0I05Y\_mean vs run

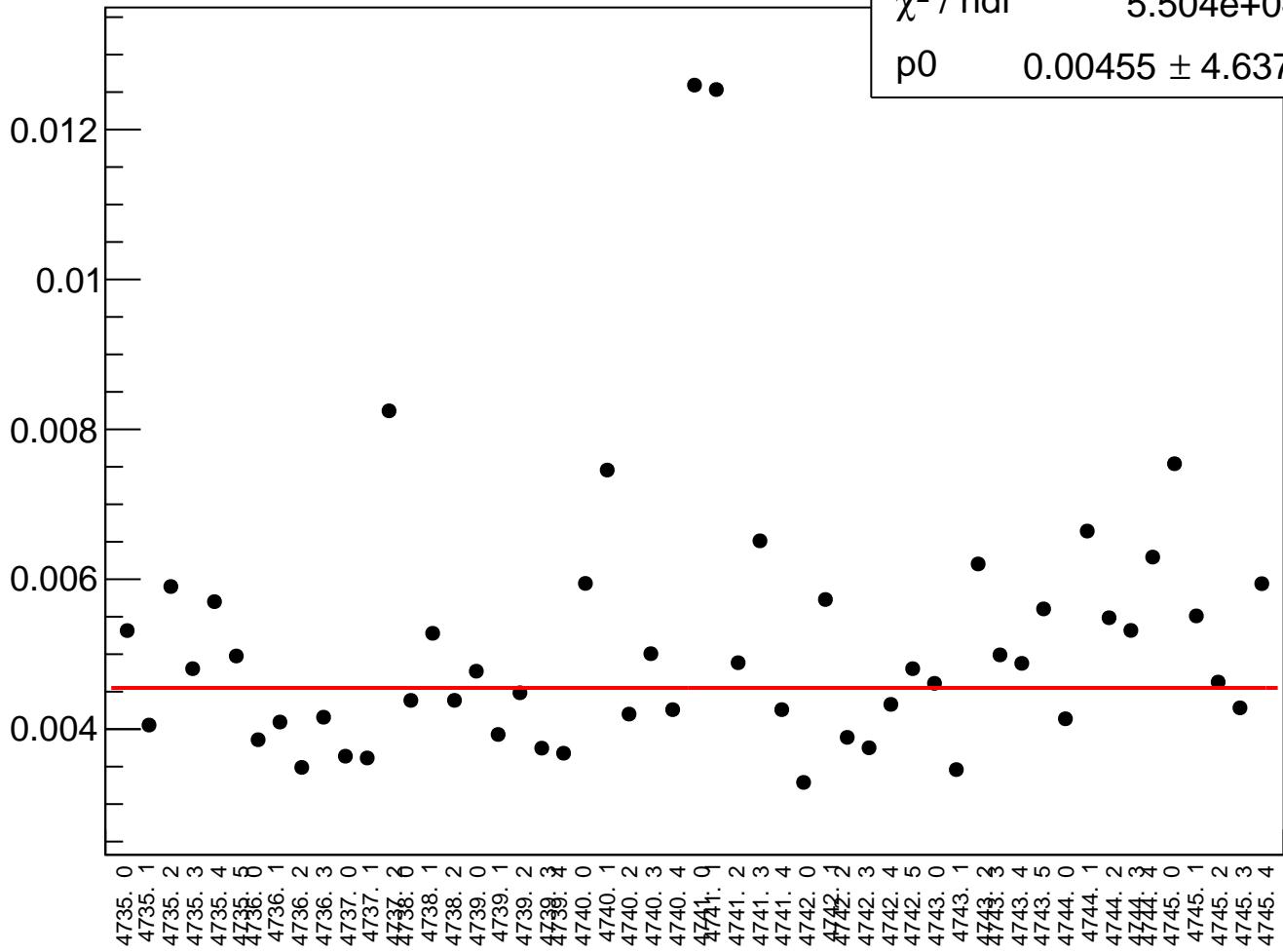


## yield\_bpm0I05Y\_rms vs run

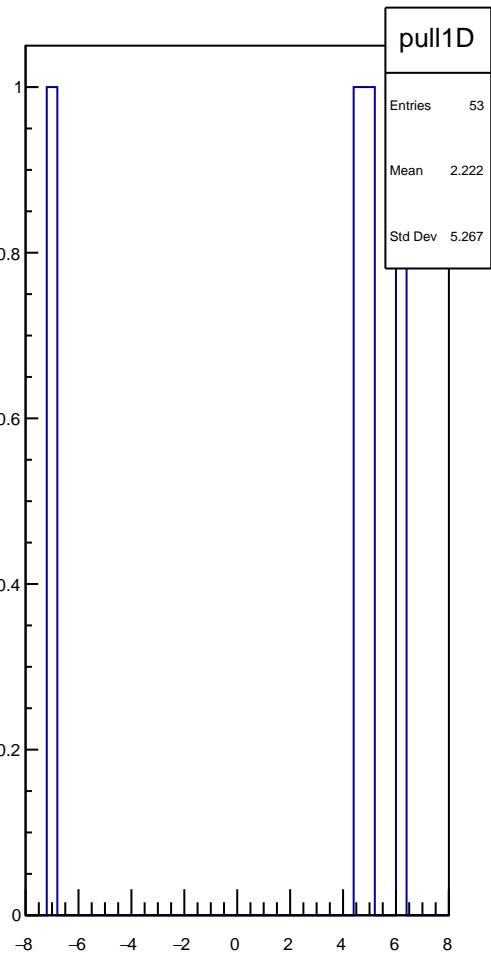
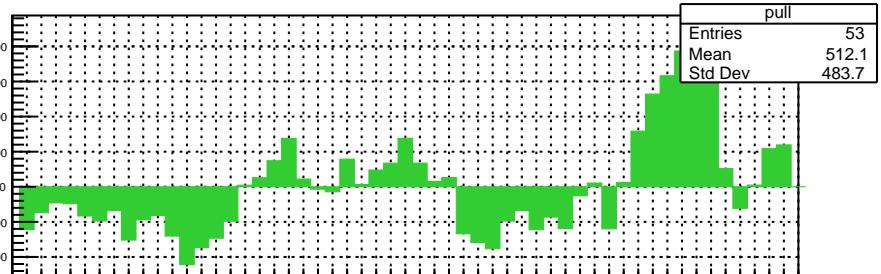
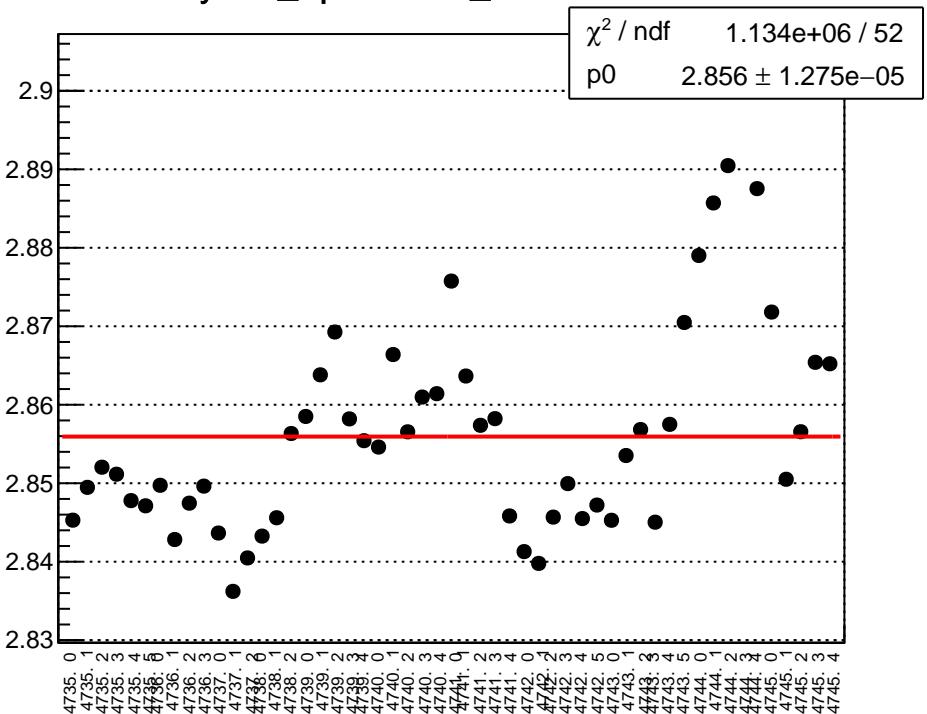
$\chi^2 / \text{ndf}$

5.504e+04 / 52

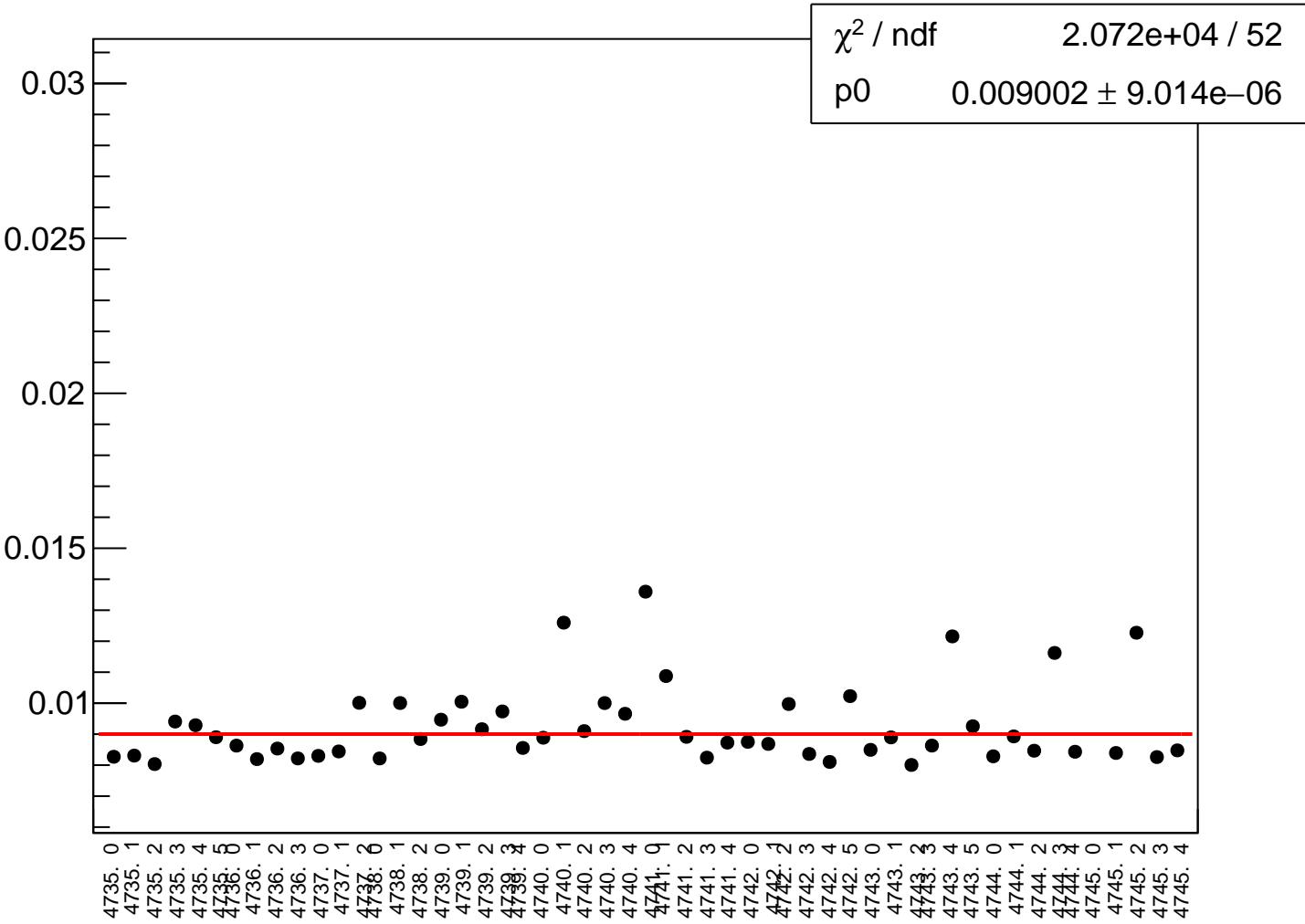
p0       $0.00455 \pm 4.637e-06$



# yield\_bpm0l06X\_mean vs run

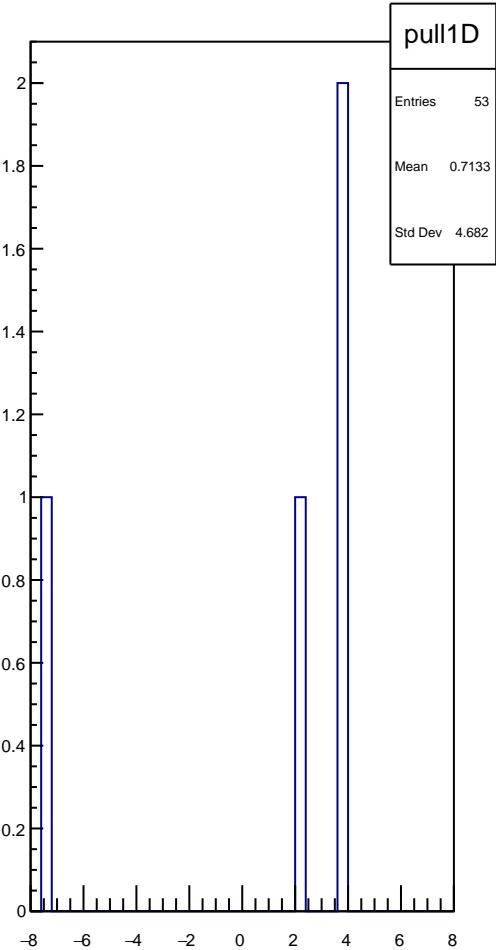
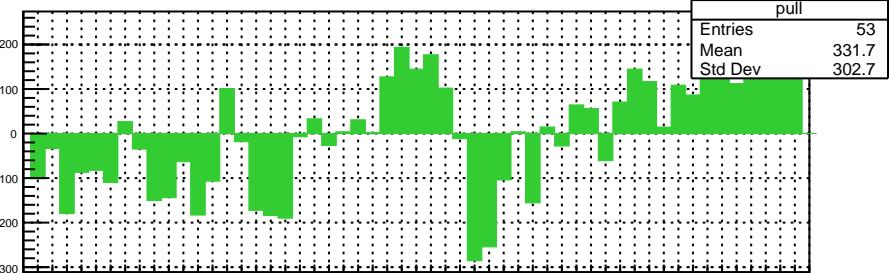
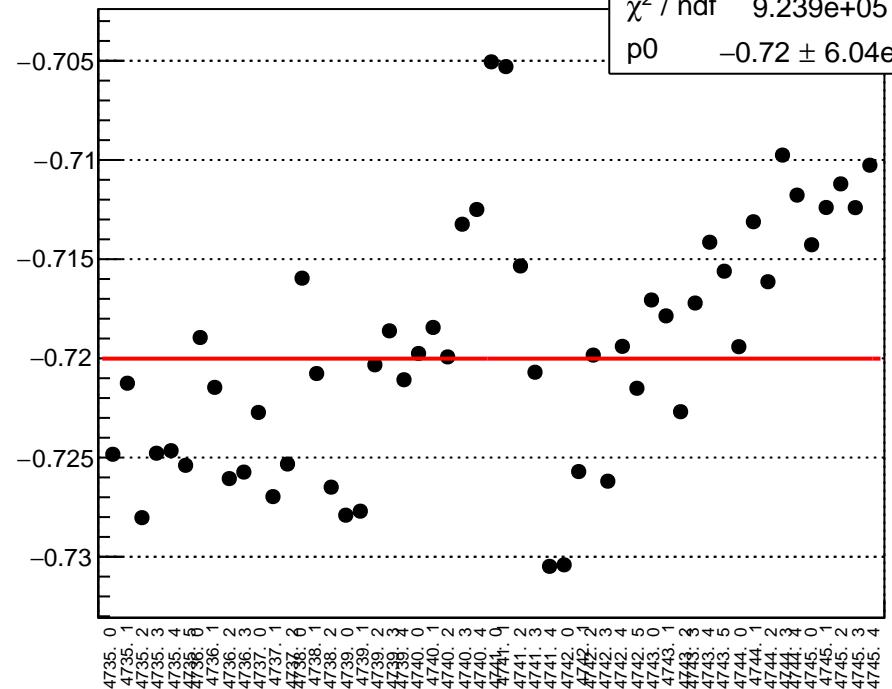


# yield\_bpm0l06X\_rms vs run

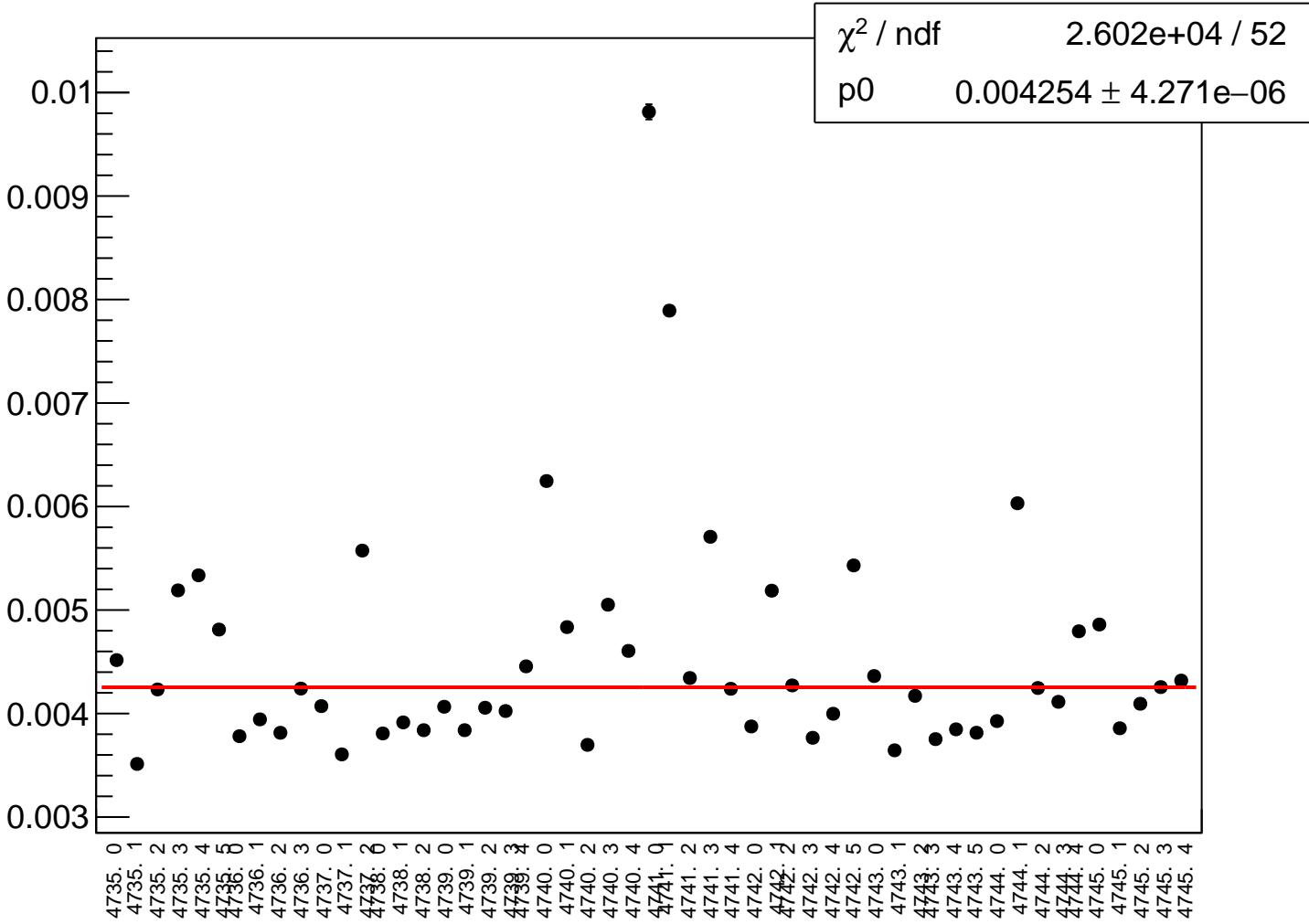


# yield\_bpm0I06Y\_mean vs run

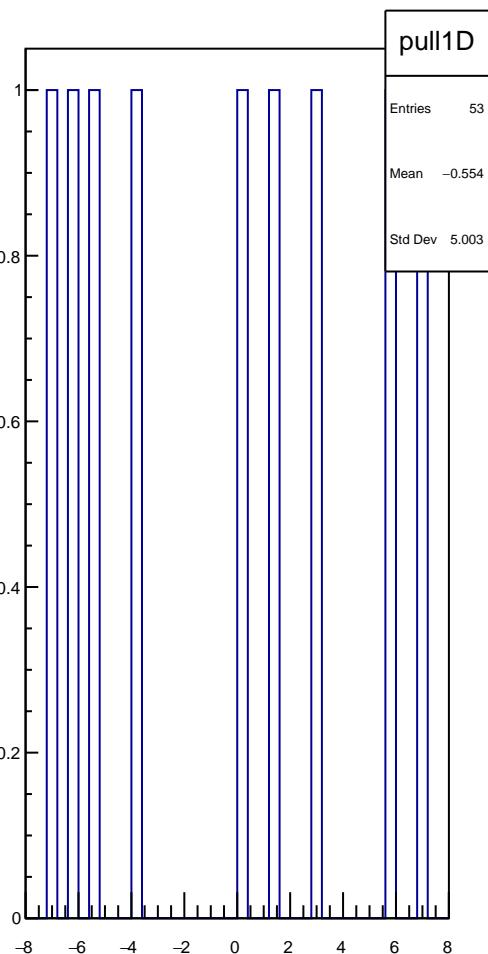
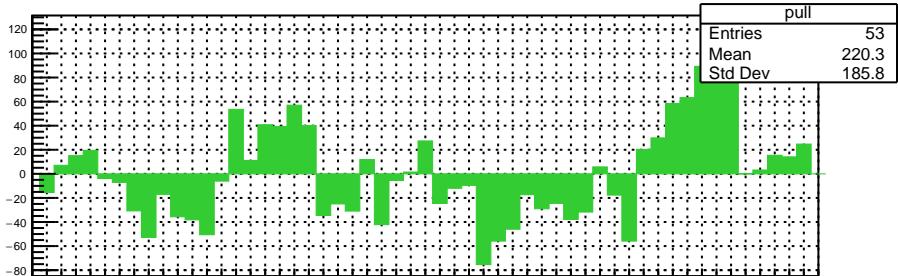
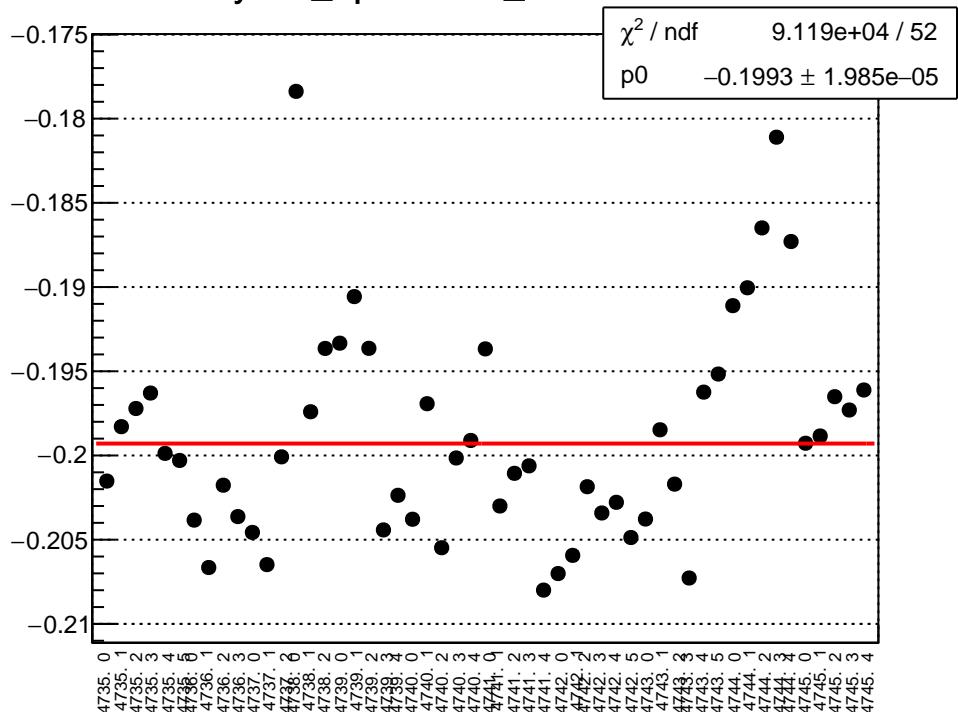
$\chi^2 / \text{ndf}$  9.239e+05 / 52  
p0  $-0.72 \pm 6.04\text{e}{-06}$



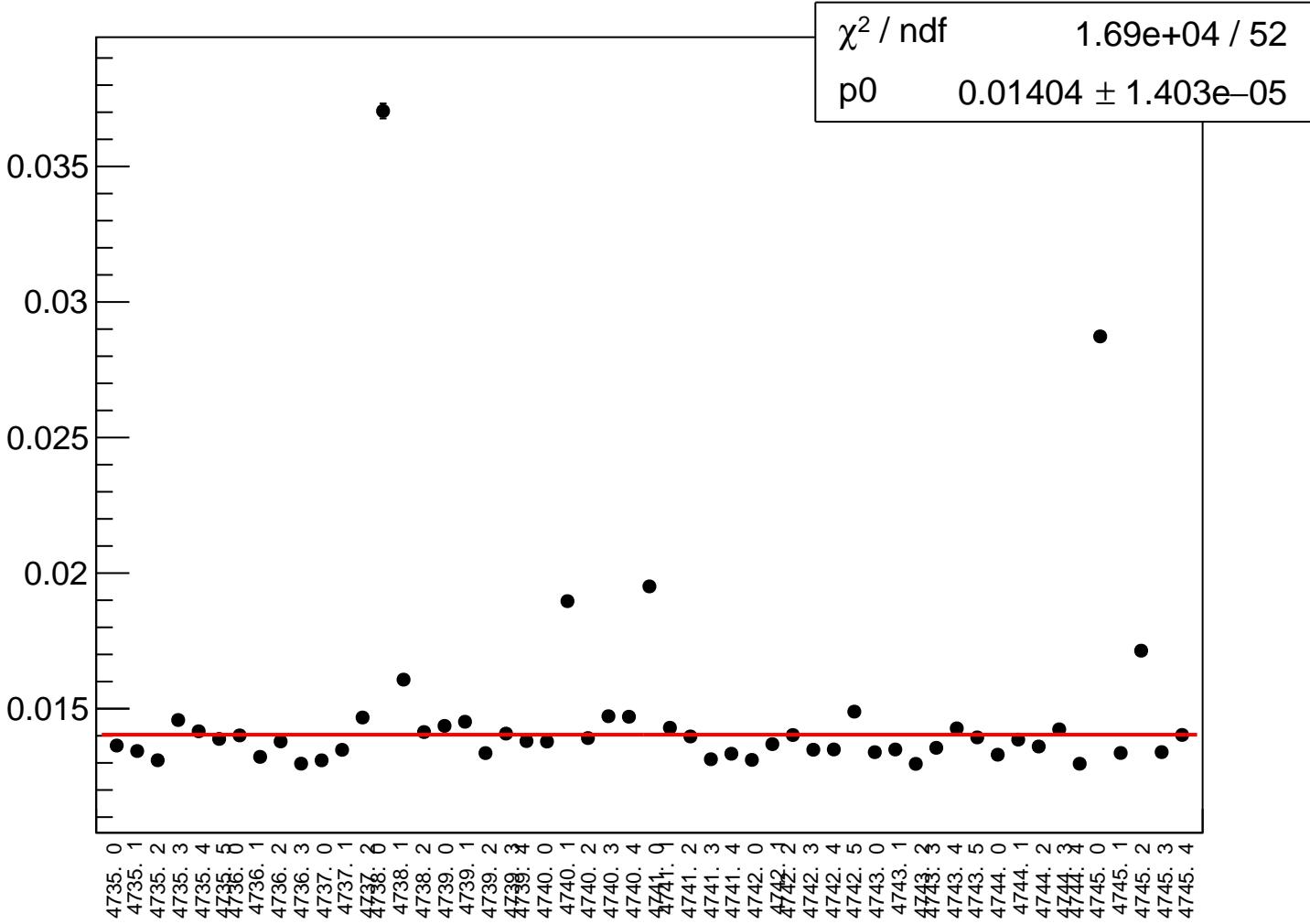
# yield\_bpm0l06Y\_rms vs run



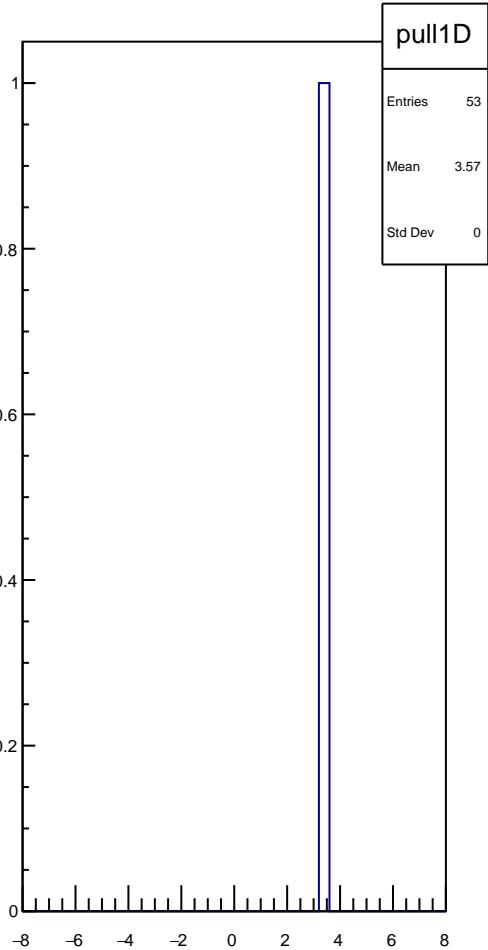
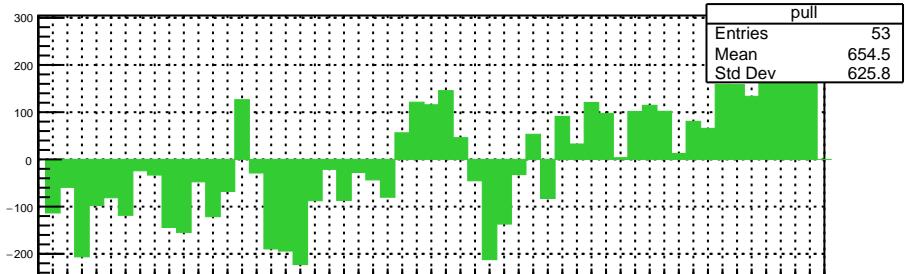
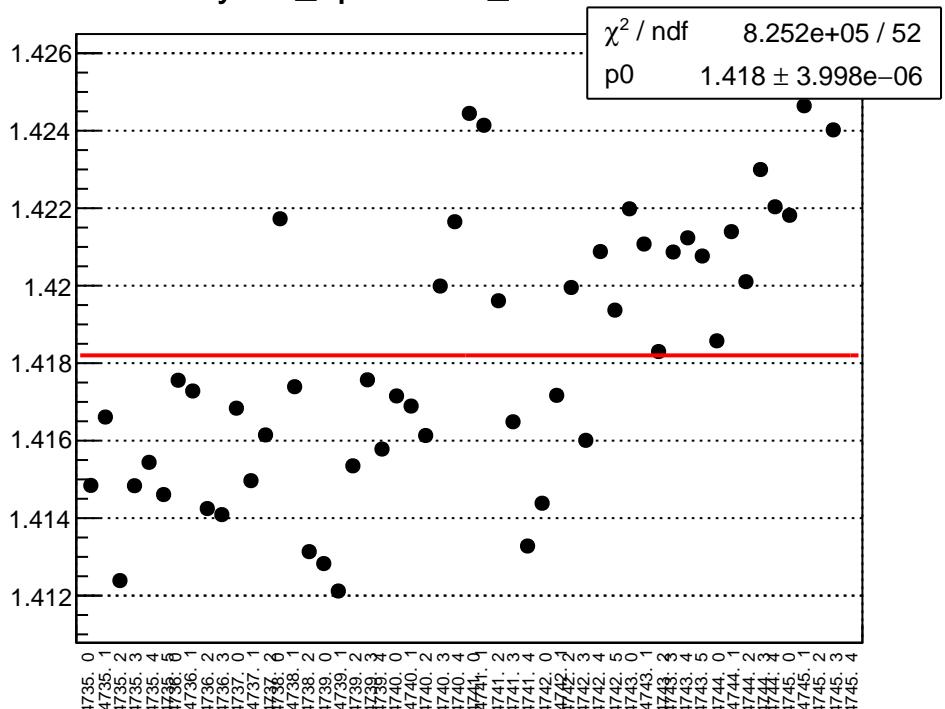
# yield\_bpm0I07X\_mean vs run



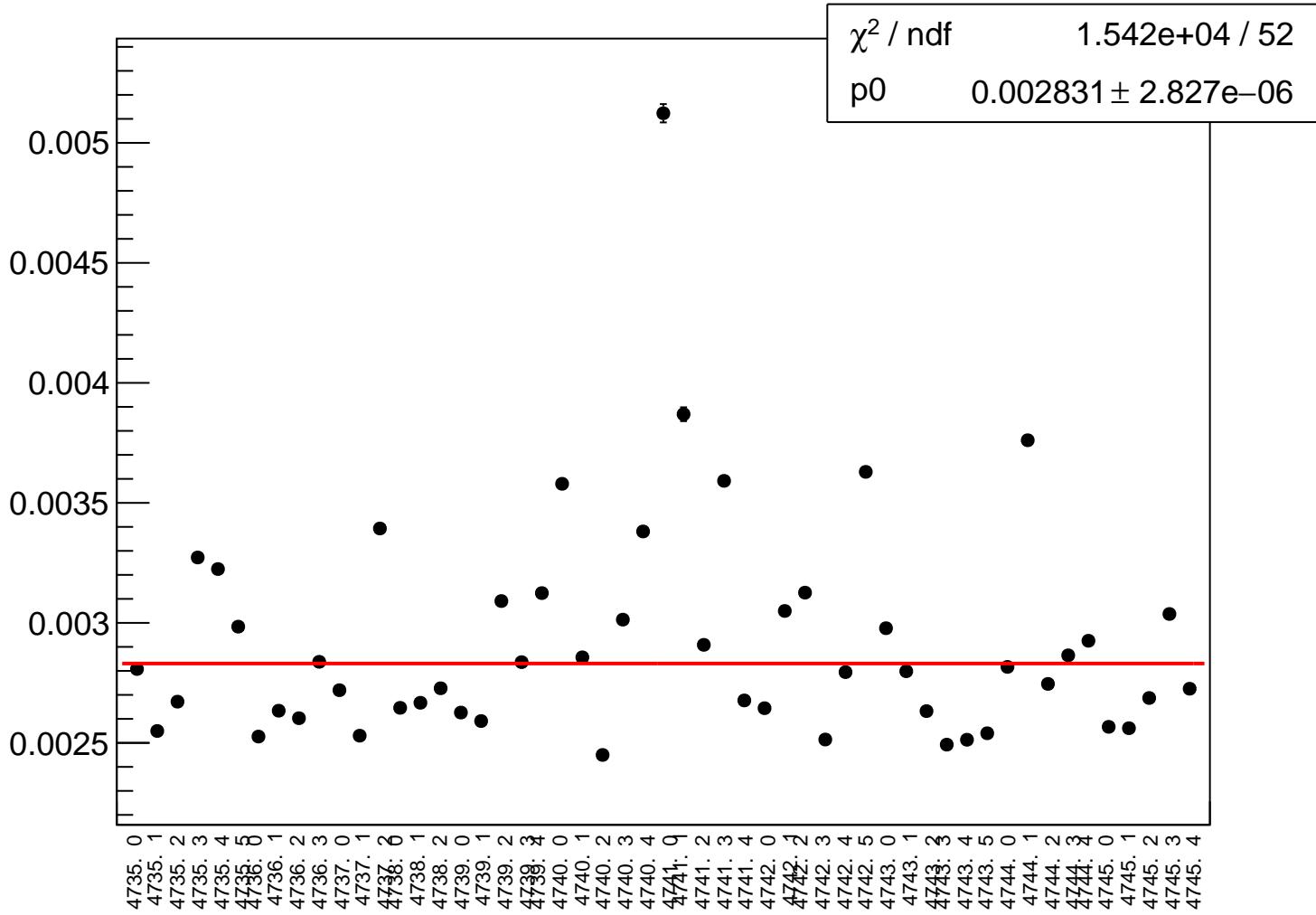
# yield\_bpm0l07X\_rms vs run



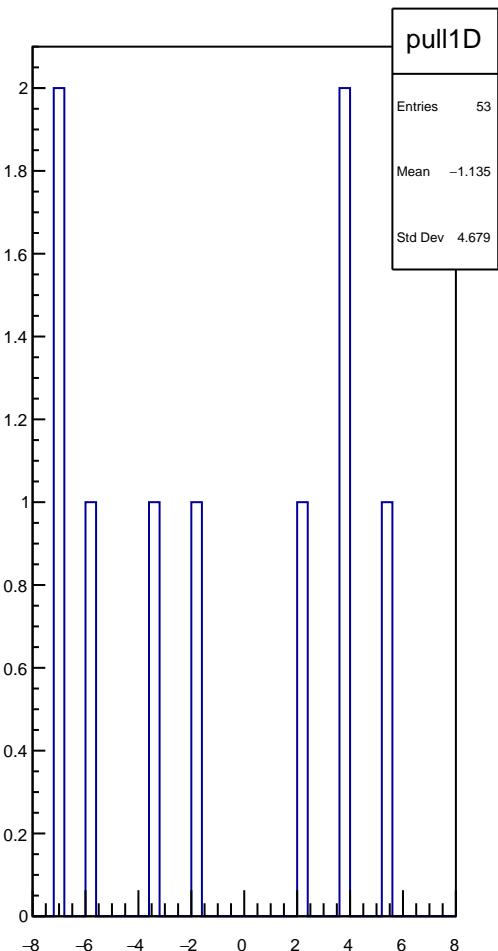
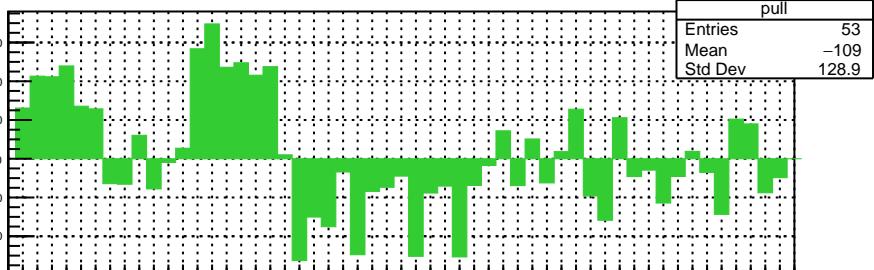
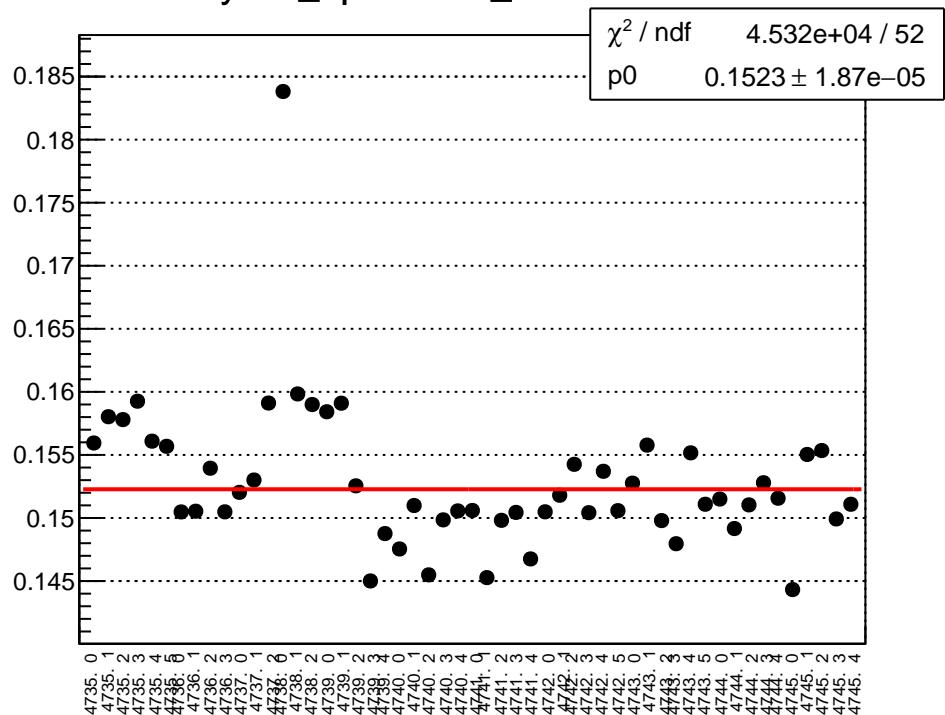
# yield\_bpm0I07Y\_mean vs run



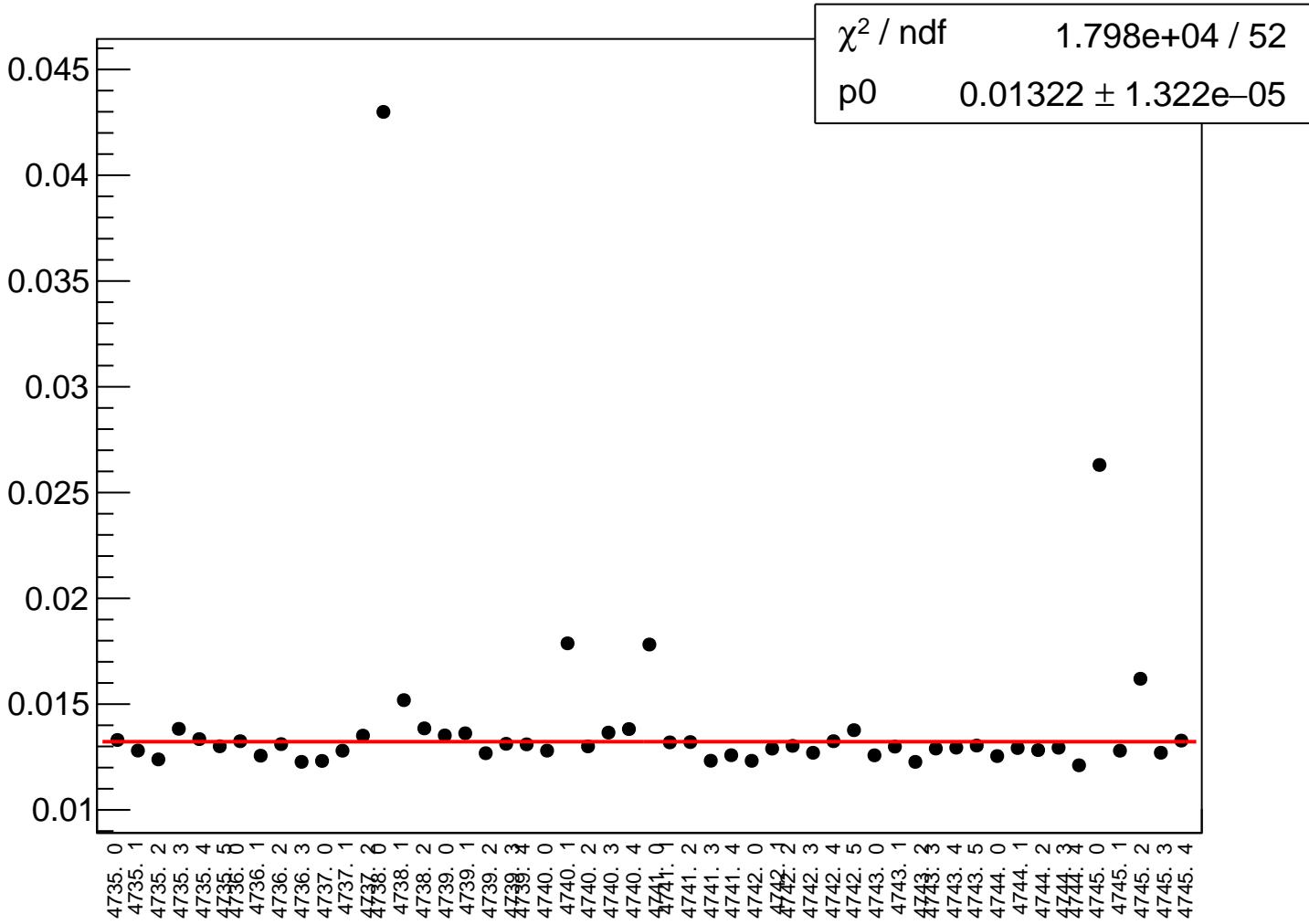
# yield\_bpm0l07Y\_rms vs run



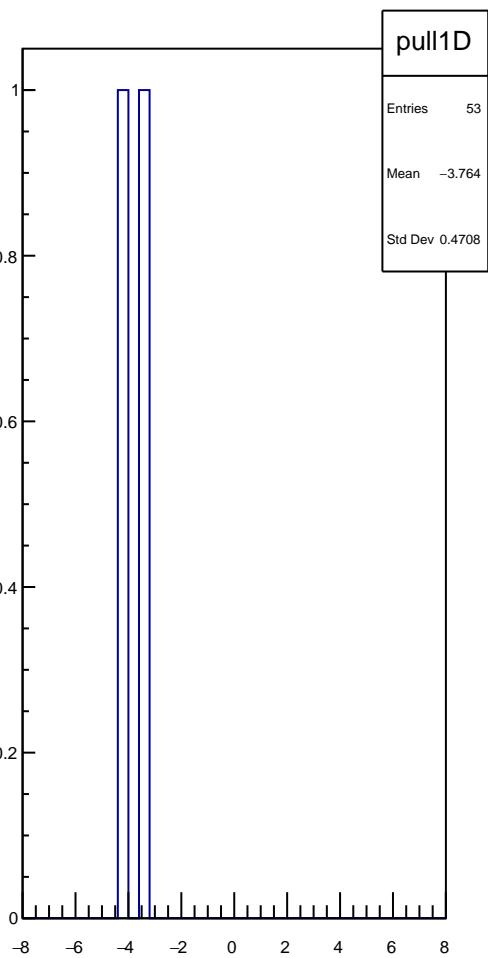
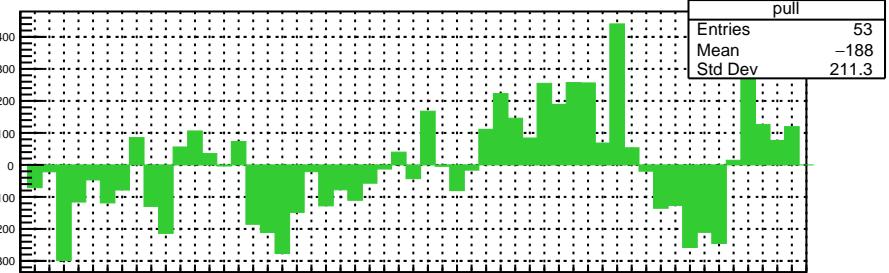
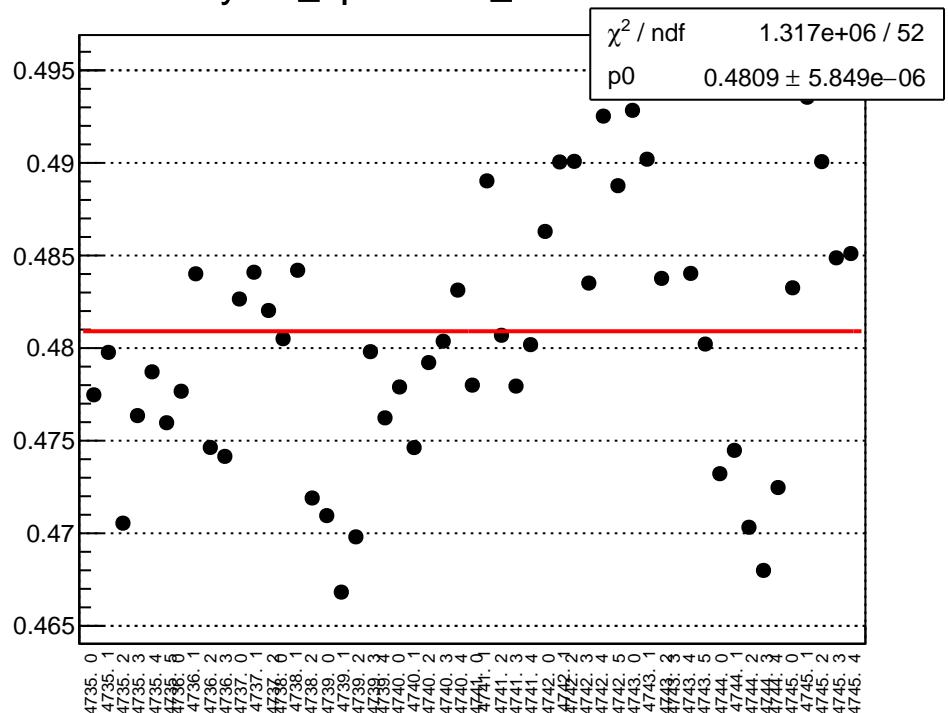
# yield\_bpm0l08X\_mean vs run



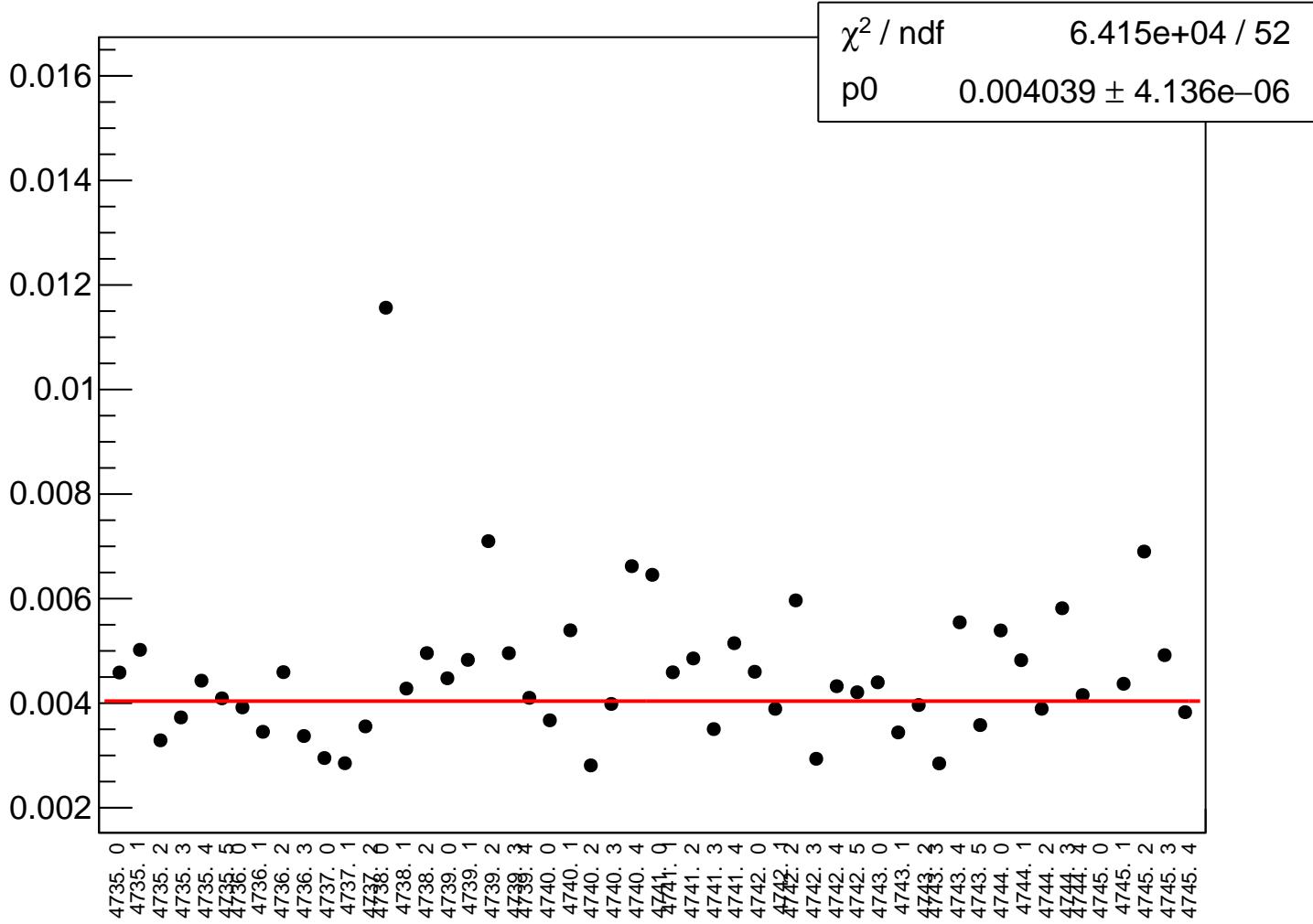
# yield\_bpm0l08X\_rms vs run



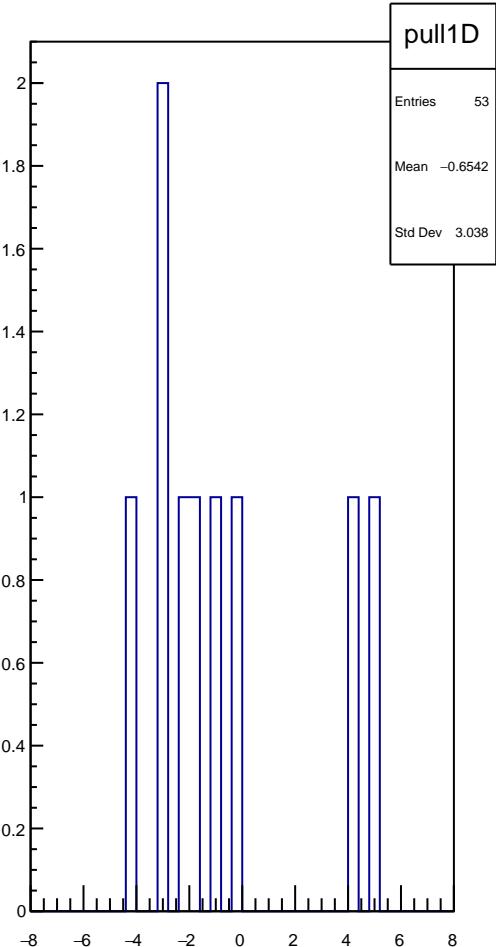
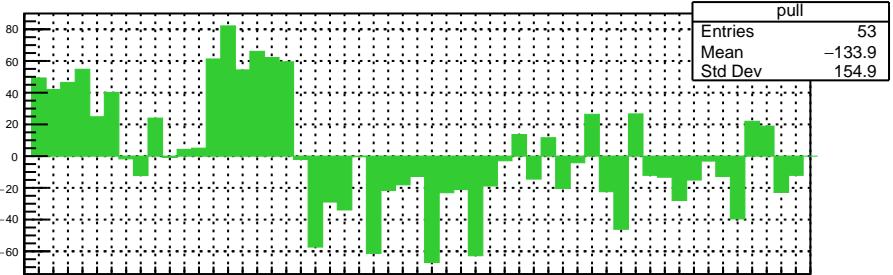
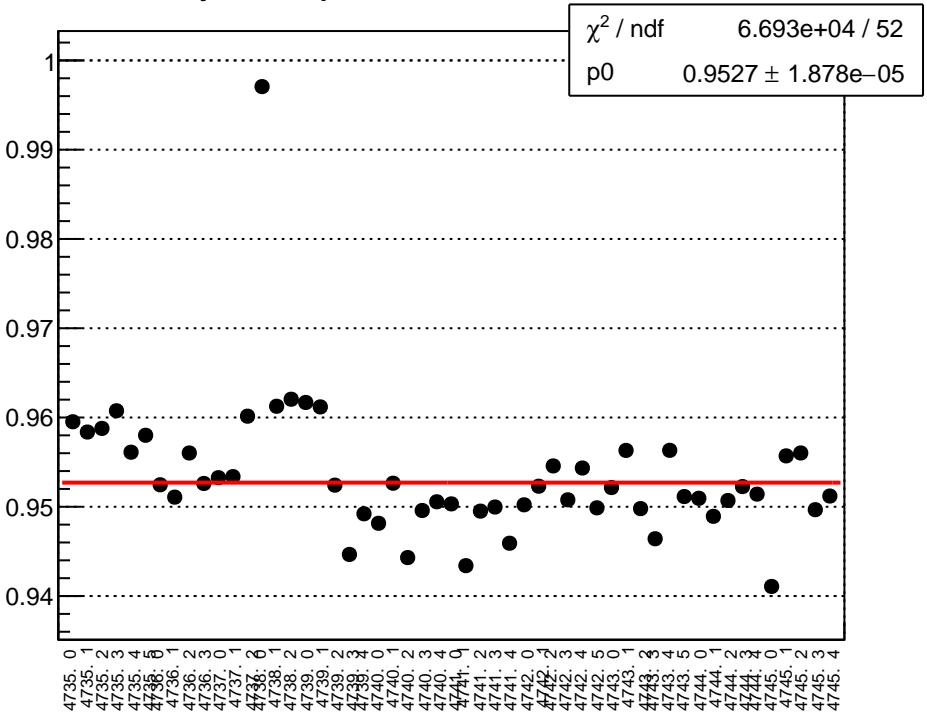
# yield\_bpm0l08Y\_mean vs run



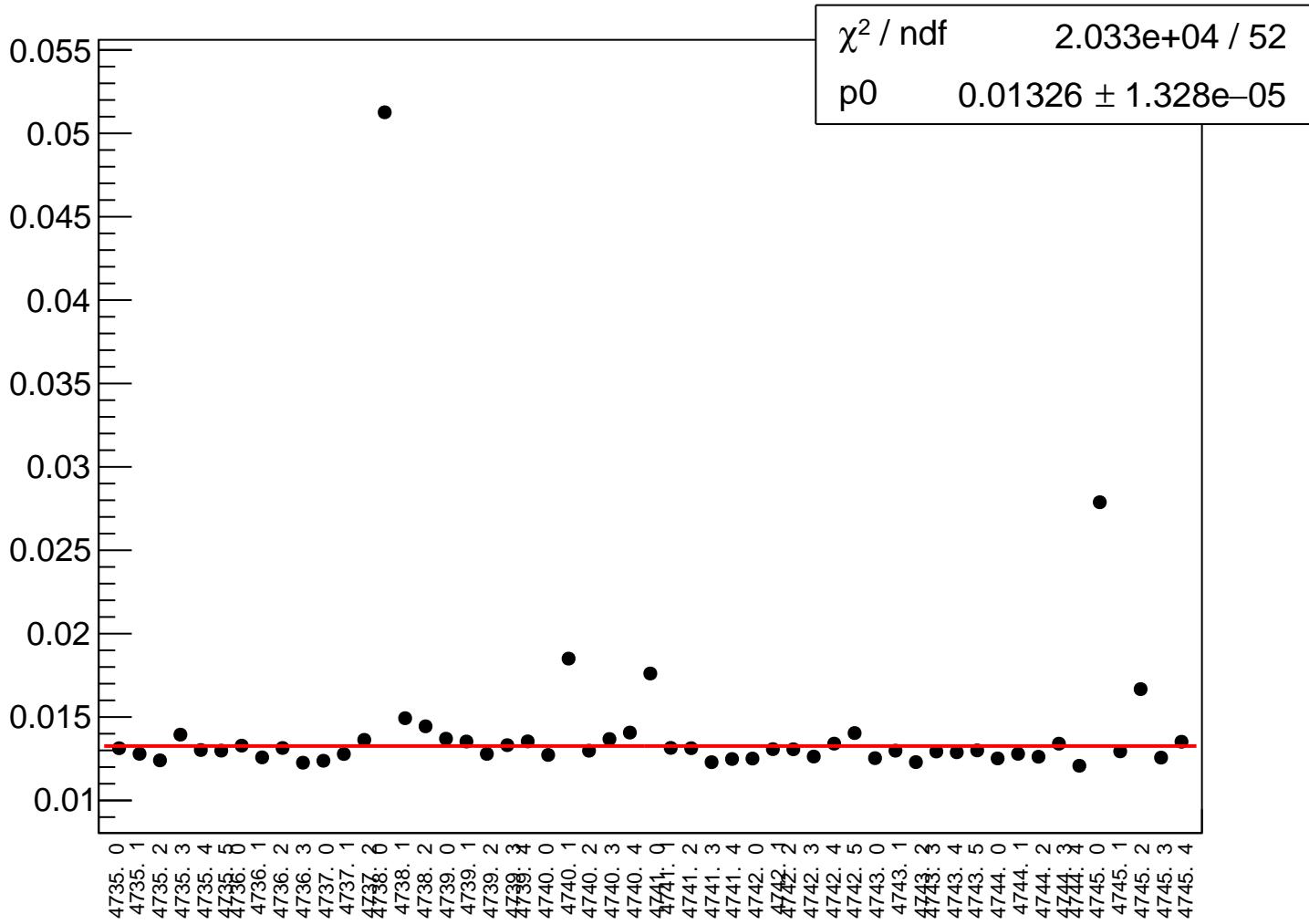
# yield\_bpm0l08Y\_rms vs run



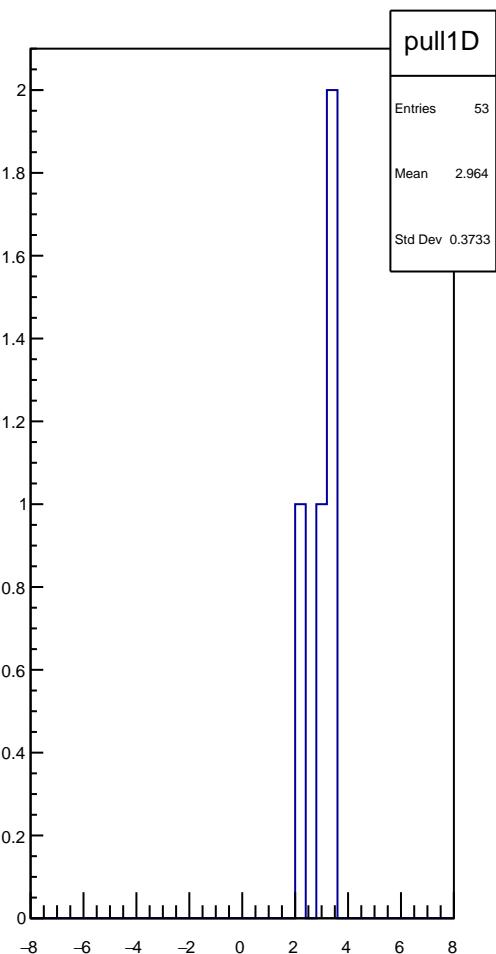
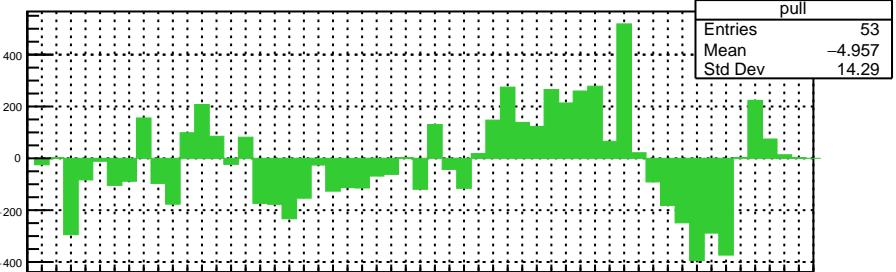
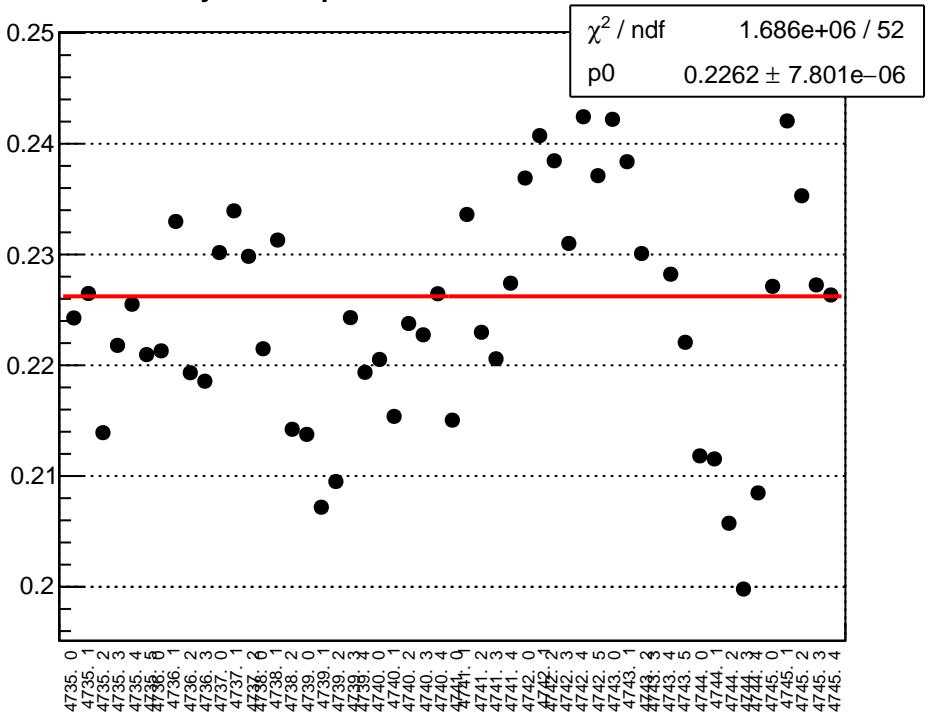
# yield\_bpm0l09X\_mean vs run



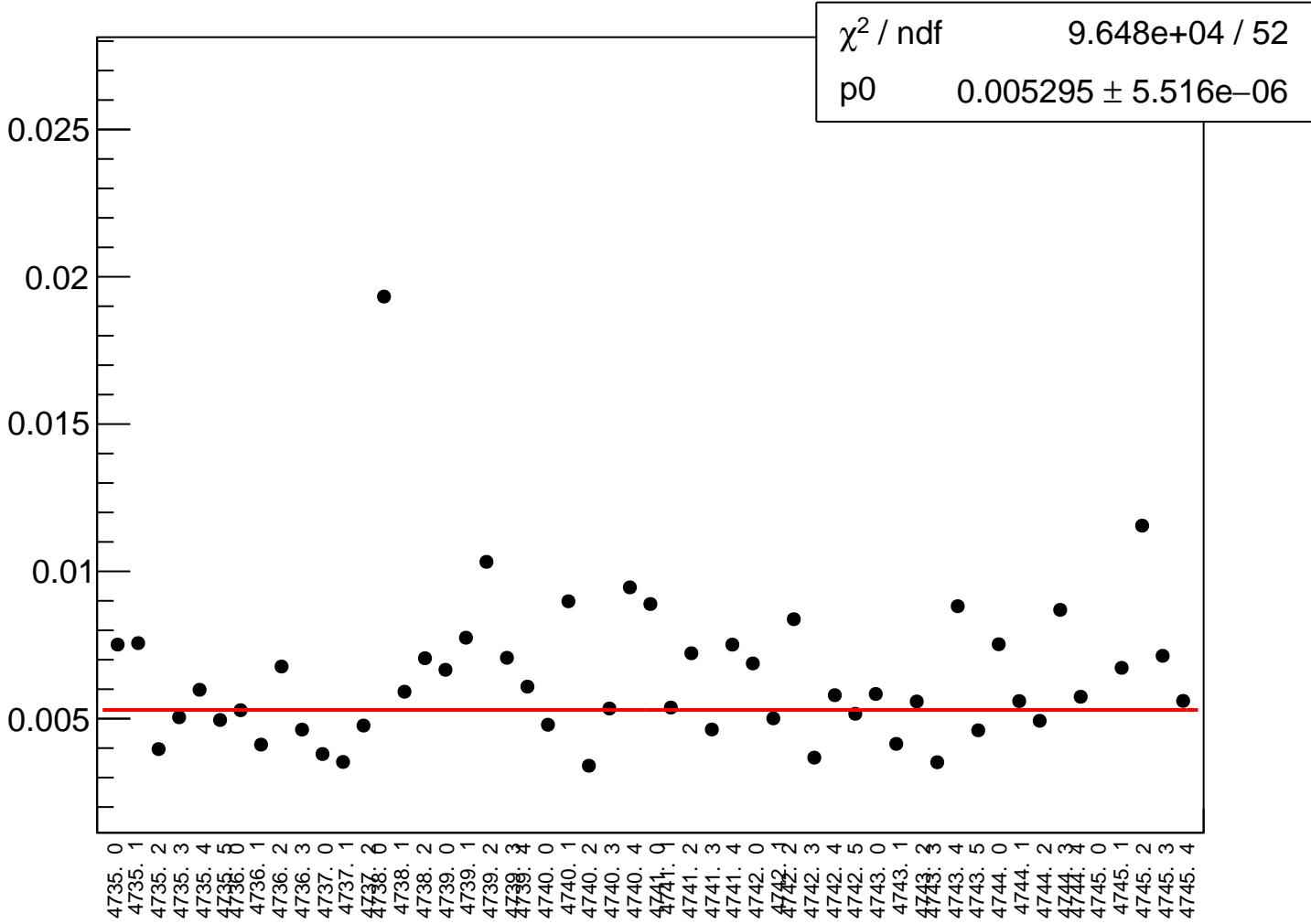
# yield\_bpm0l09X\_rms vs run



# yield\_bpm0I09Y\_mean vs run

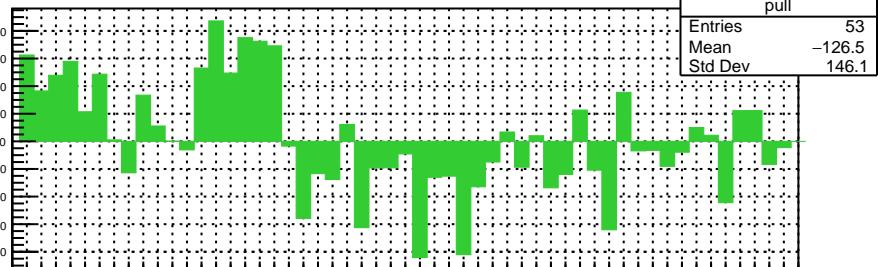
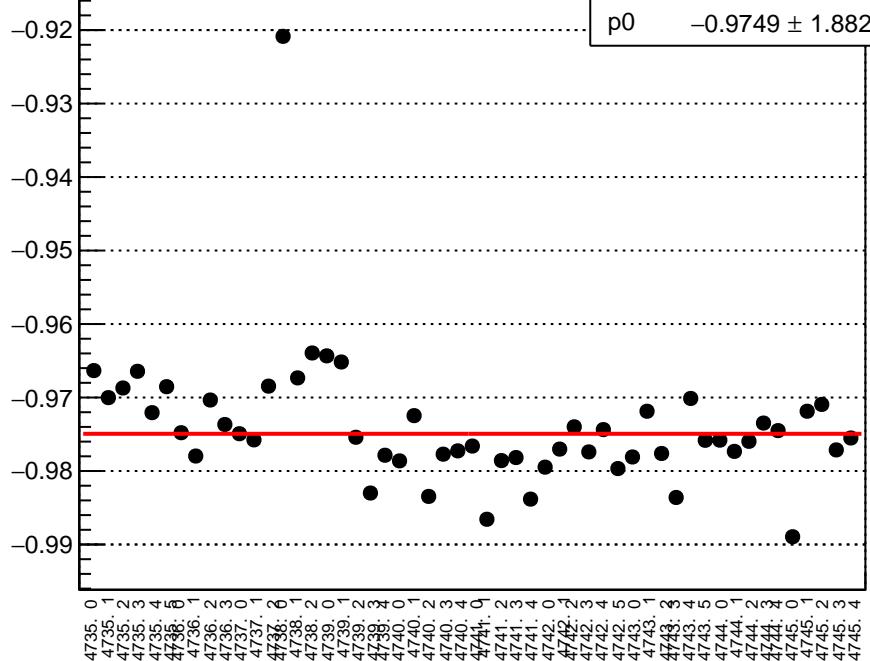


# yield\_bpm0l09Y\_rms vs run





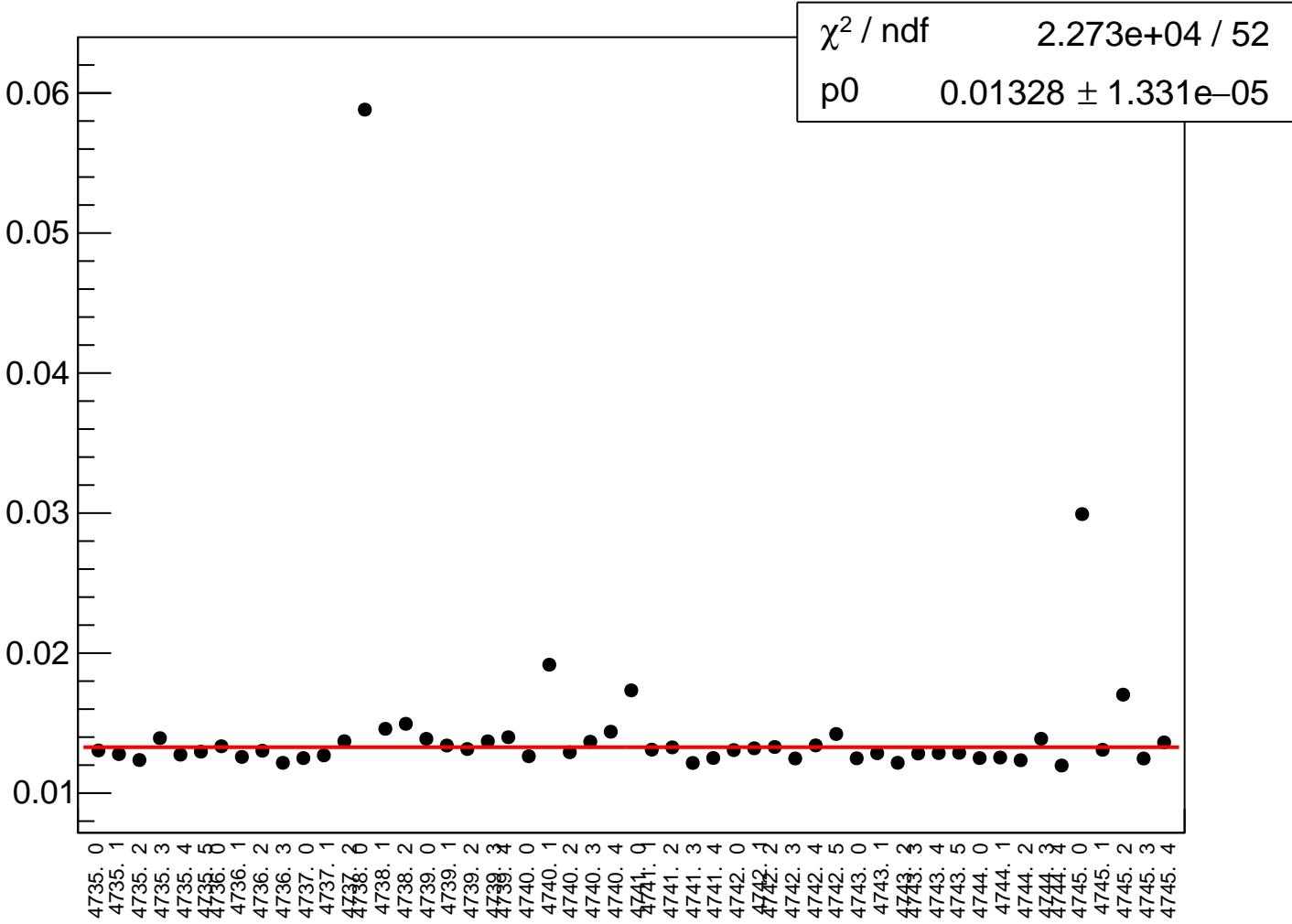
$\chi^2 / \text{ndf}$  8.214e+04 / 52  
 p0  $-0.9749 \pm 1.882\text{e-}05$



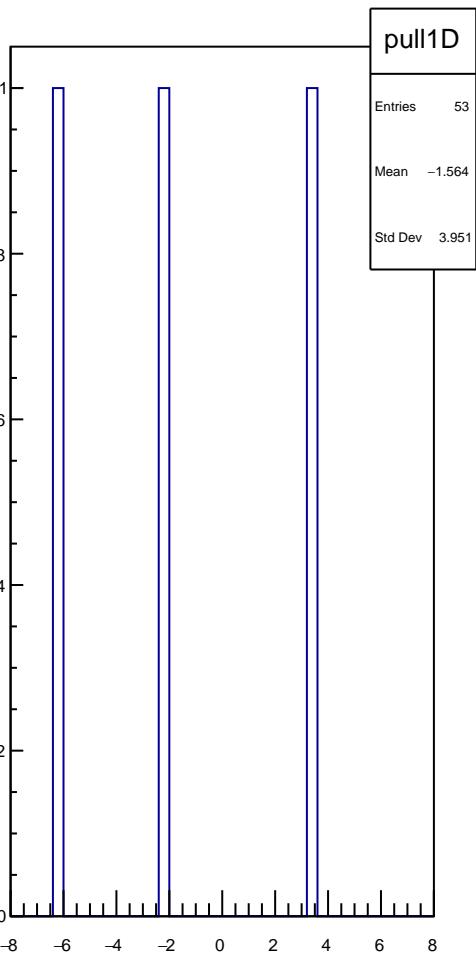
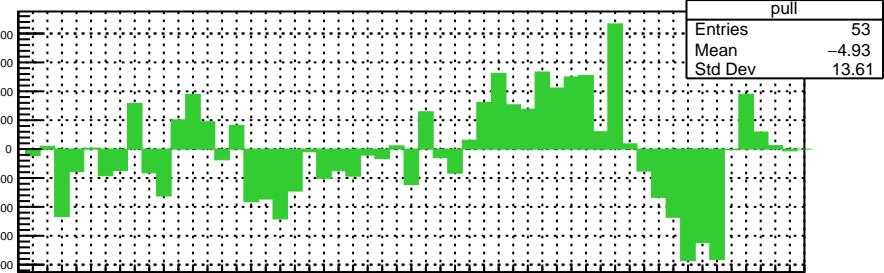
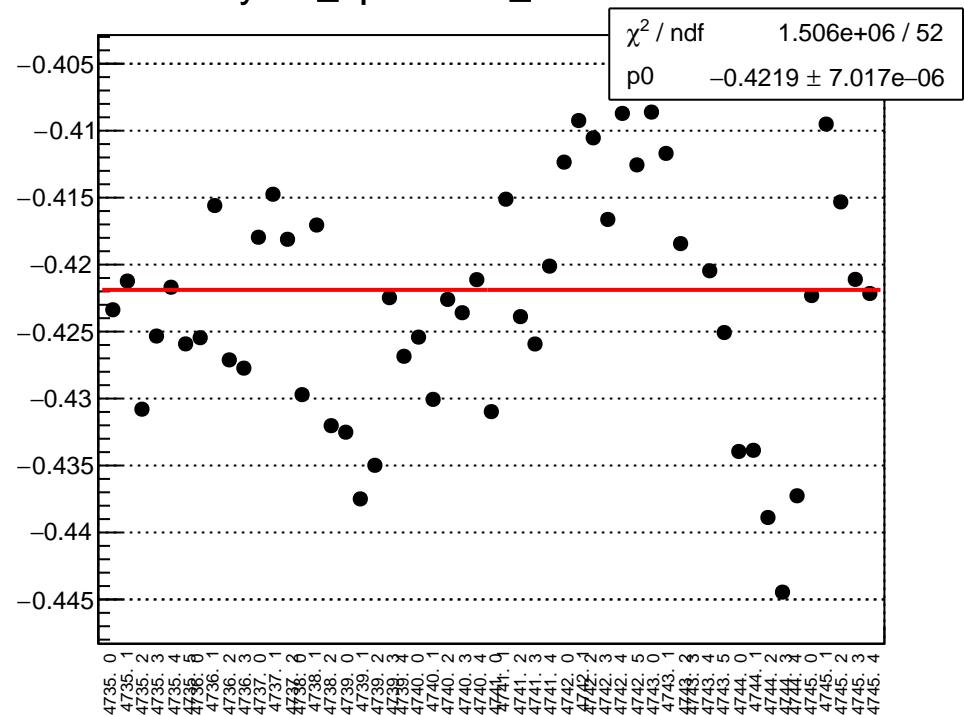
A histogram showing the distribution of  $\text{pull1D}$ . The x-axis ranges from -3 to 3, and the y-axis ranges from 0 to 1. The distribution is approximately uniform, with a slight peak around -1.731.

Bin Range	Entries
-3.000 to -2.500	1
-2.500 to -2.000	1
-2.000 to -1.500	1
-1.500 to -1.000	1
-1.000 to -0.500	1
-0.500 to 0.000	1
0.000 to 0.500	1
0.500 to 1.000	1
1.000 to 1.500	1
1.500 to 2.000	1
2.000 to 2.500	1
2.500 to 3.000	1

# yield\_bpm0l10X\_rms vs run



# yield\_bpm0I10Y\_mean vs run



# yield\_bpm0l10Y\_rms vs run

