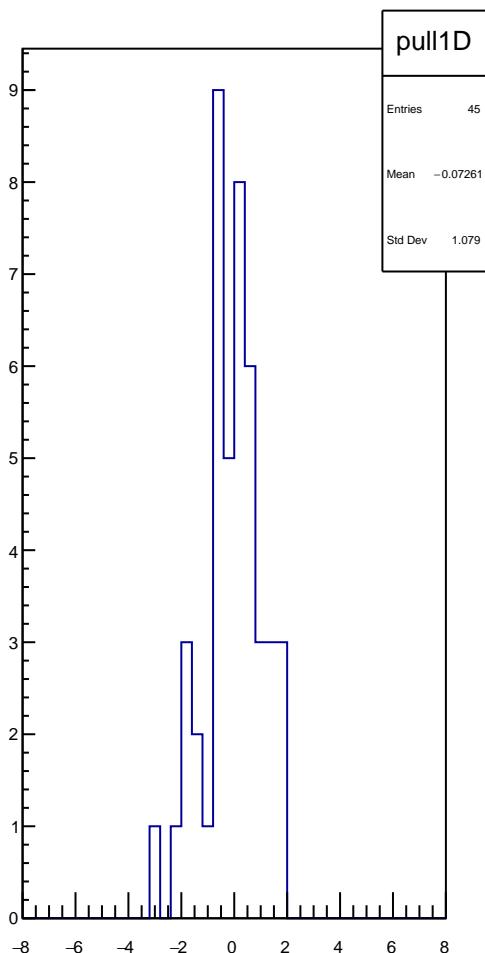
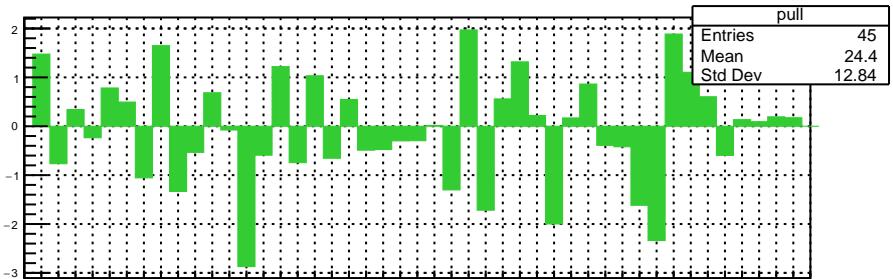
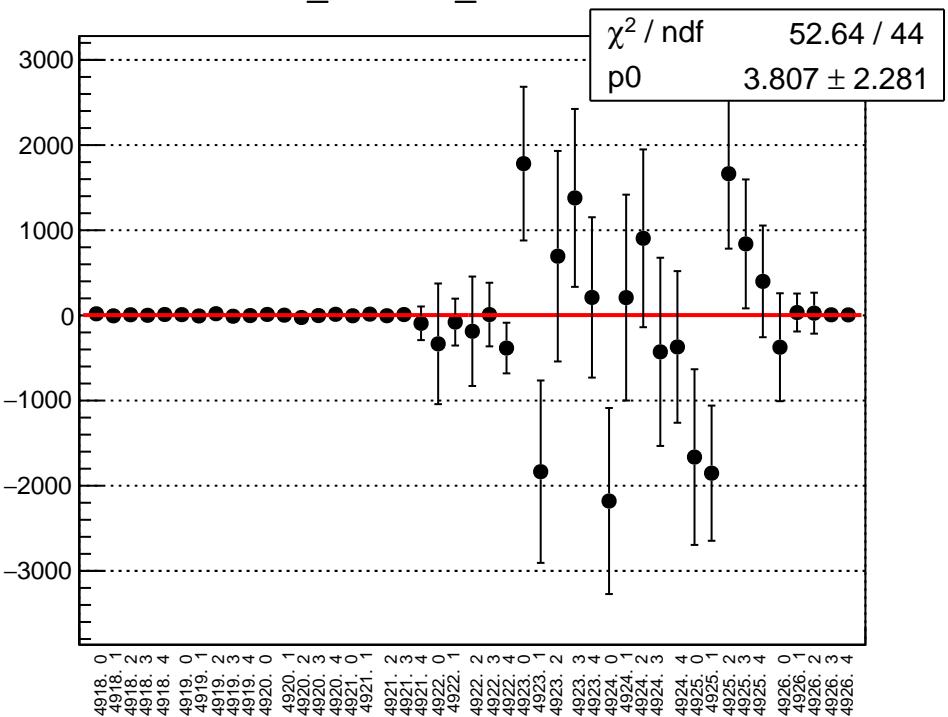
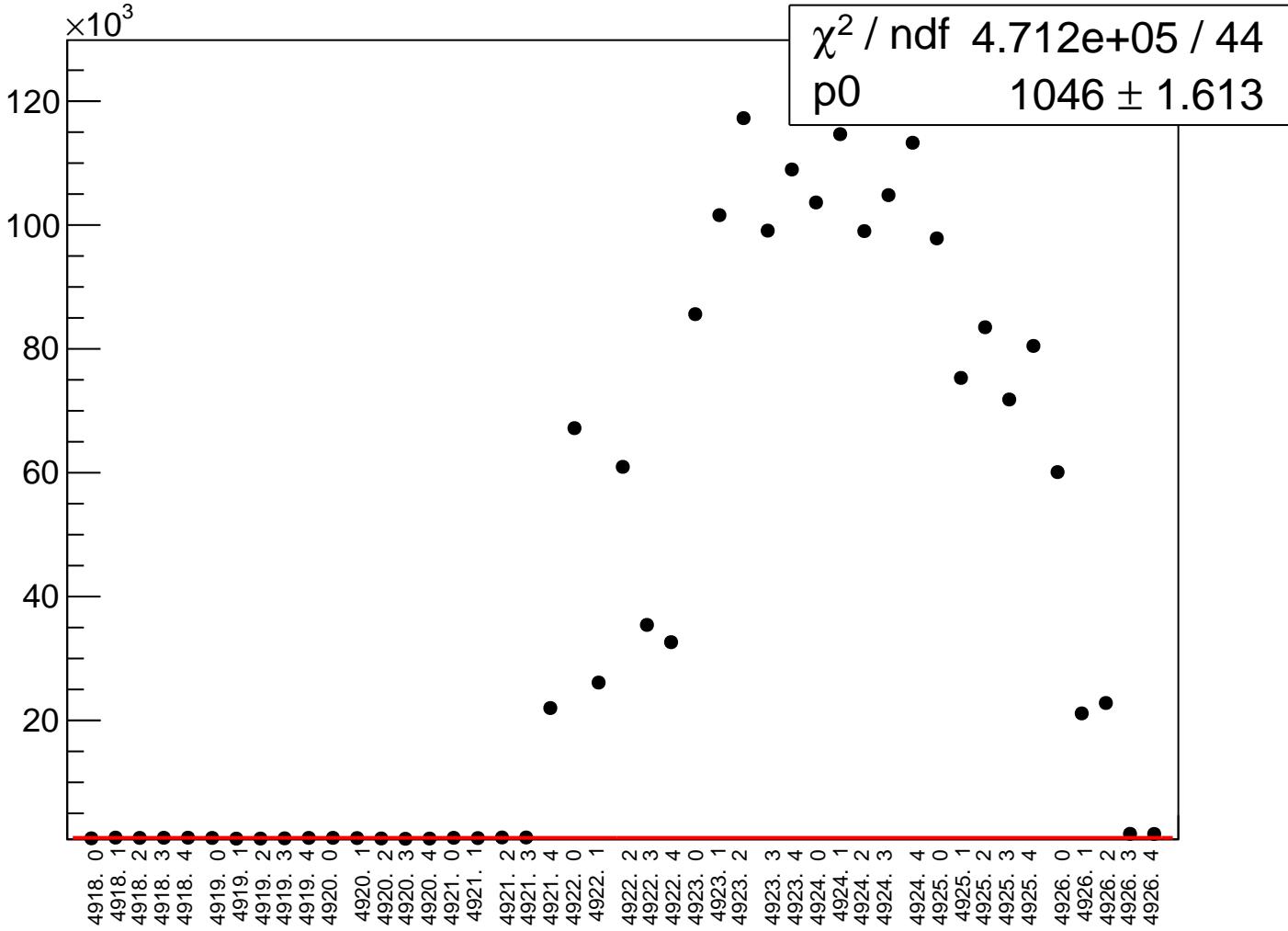


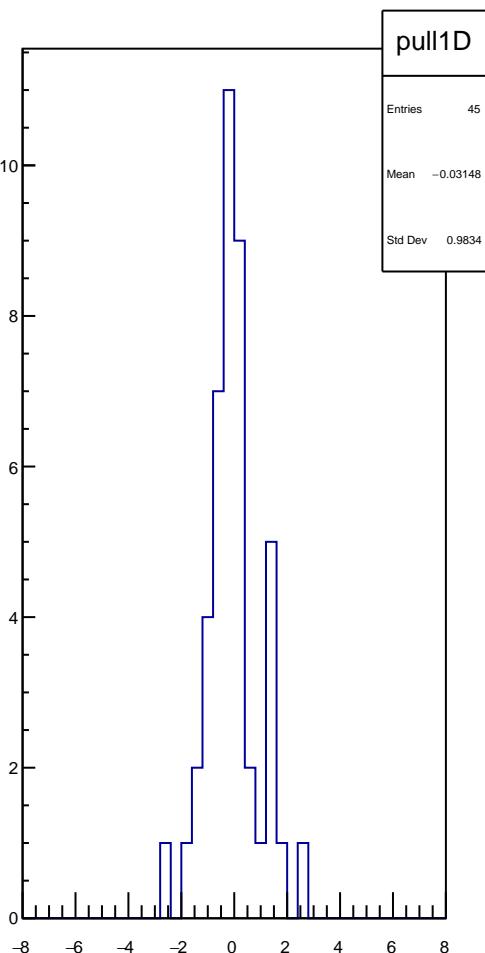
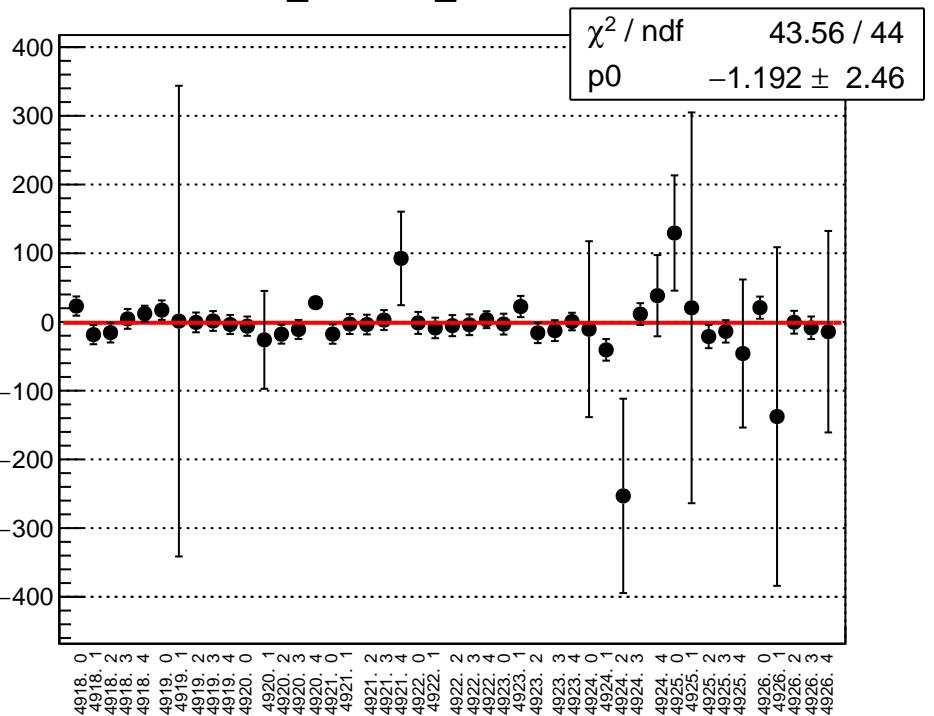
# diff\_cav4bX\_mean vs run



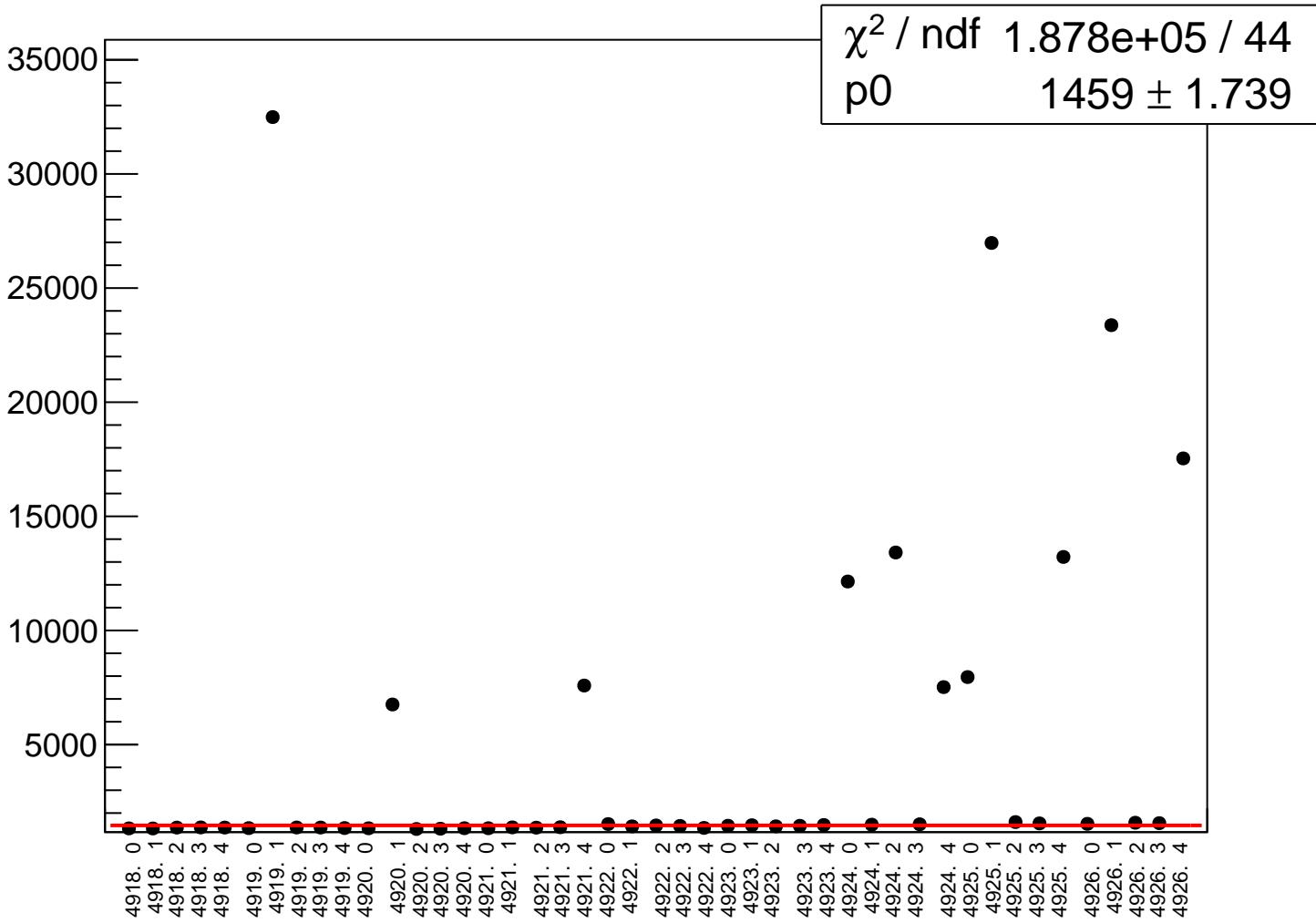
# diff\_cav4bX\_rms vs run



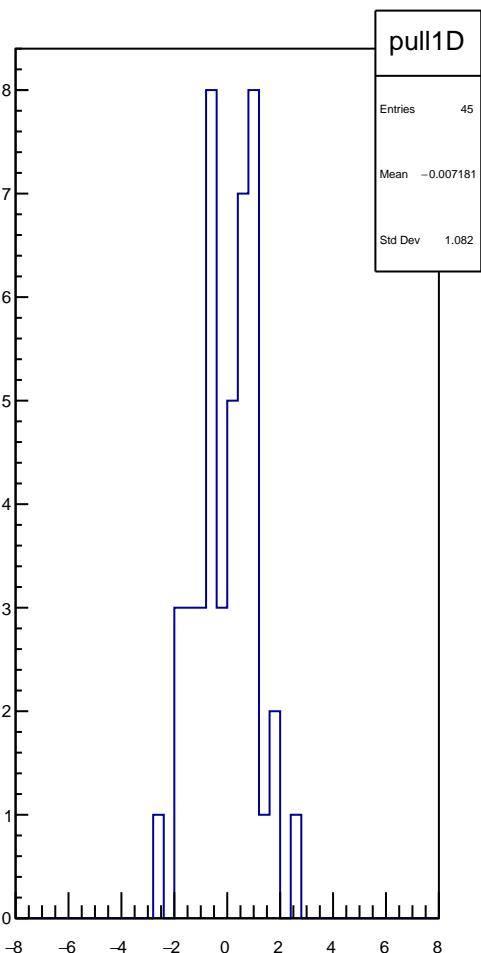
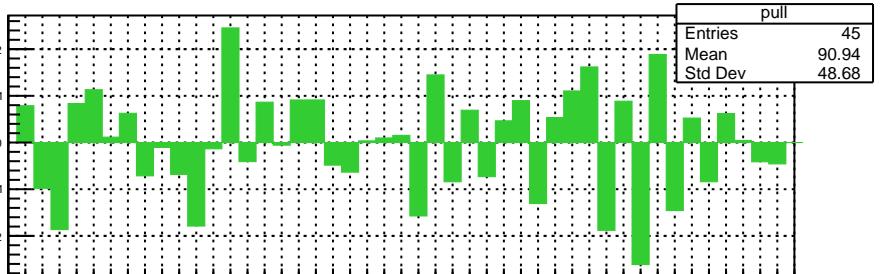
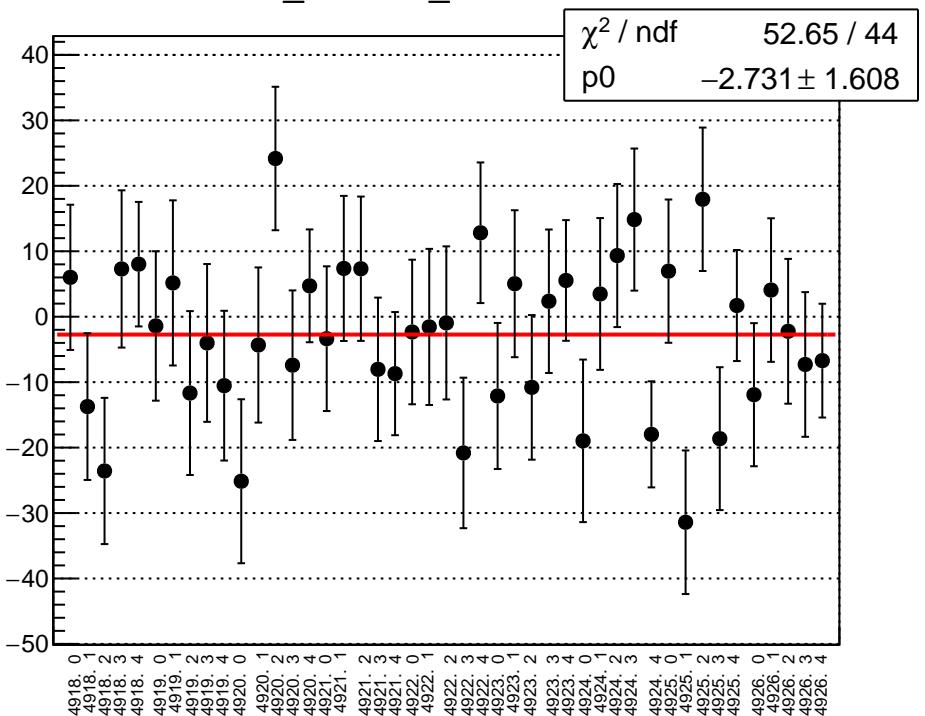
# diff\_cav4bY\_mean vs run



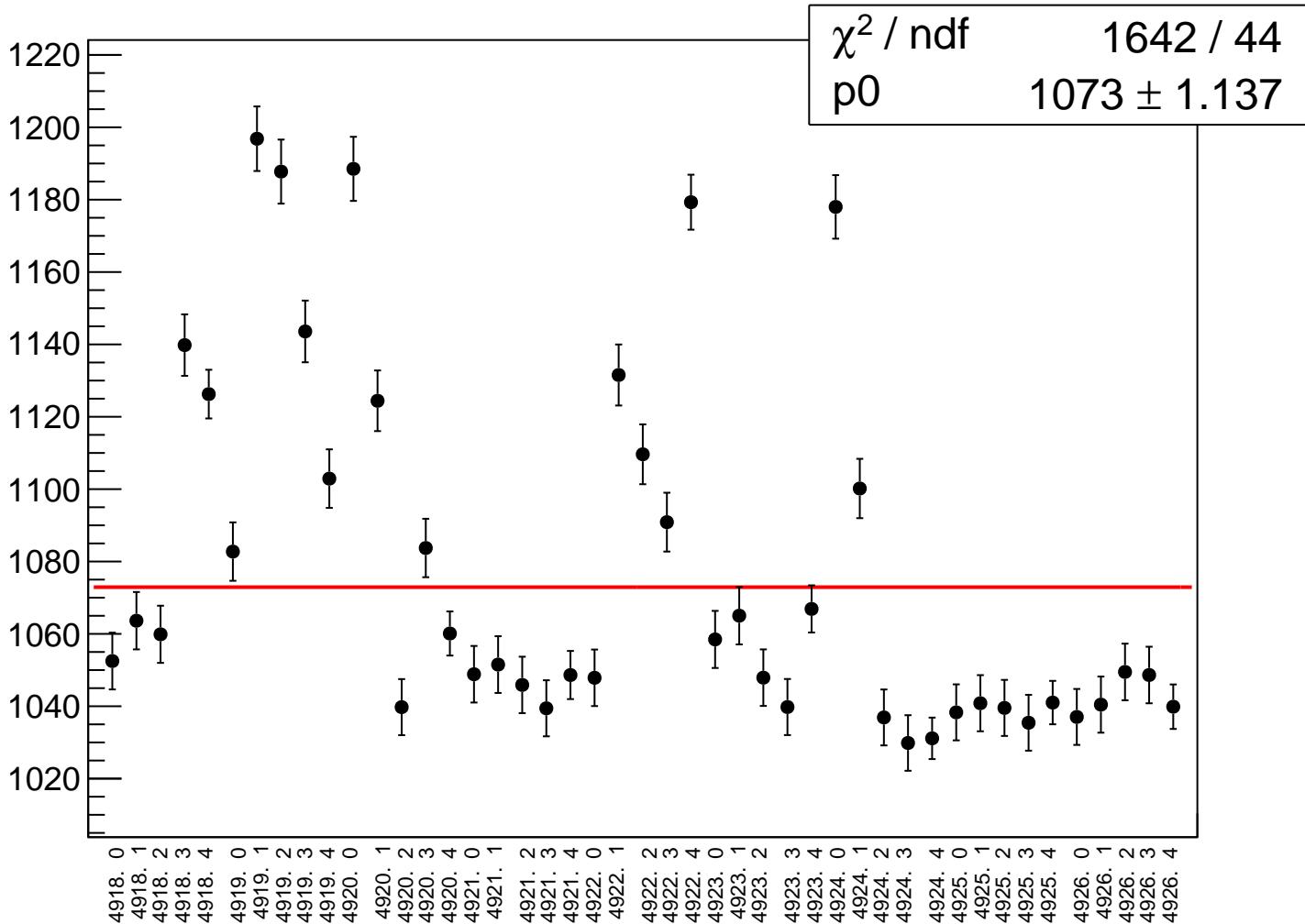
# diff\_cav4bY\_rms vs run



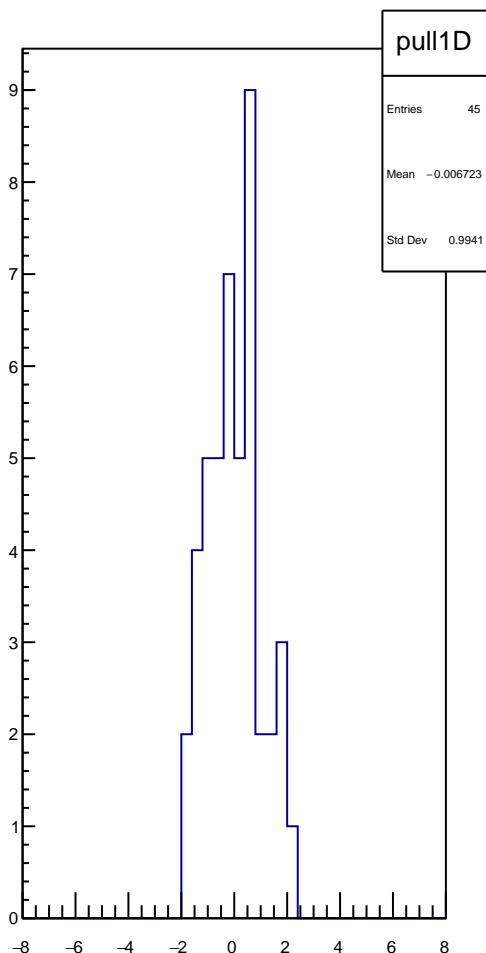
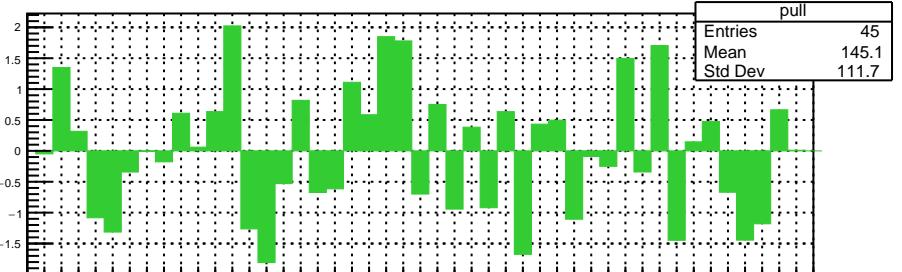
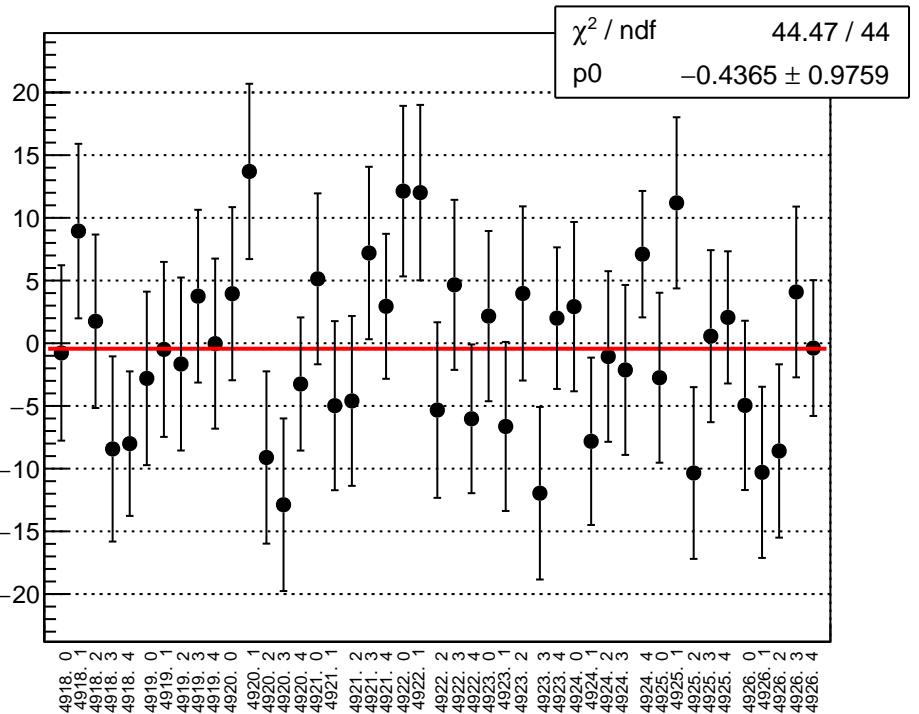
# diff\_cav4cX\_mean vs run



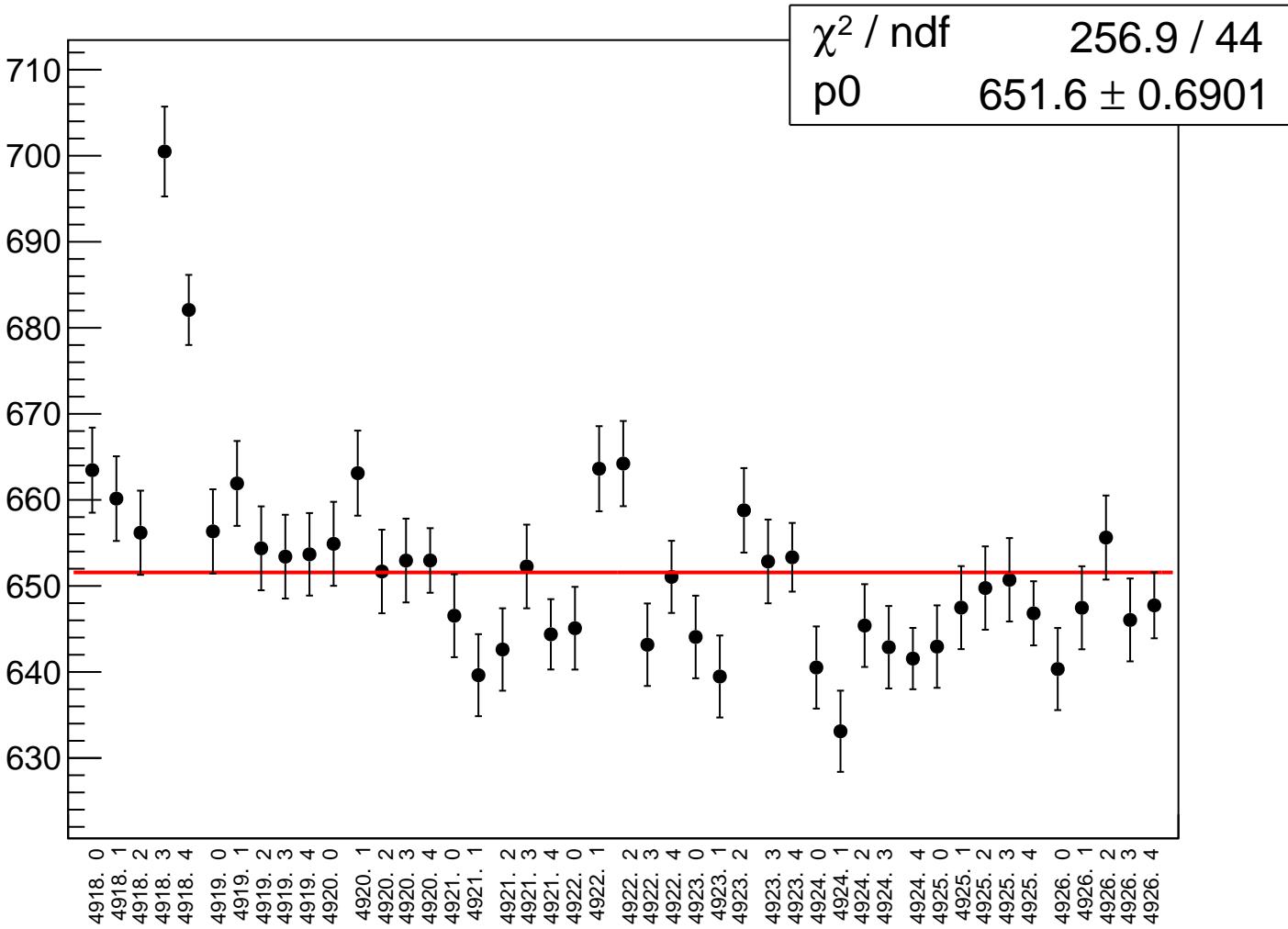
# diff\_cav4cX\_rms vs run



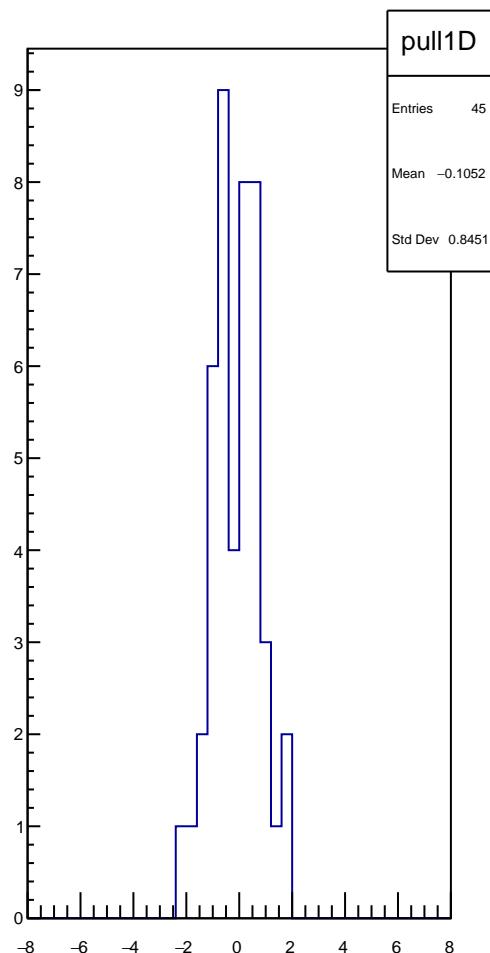
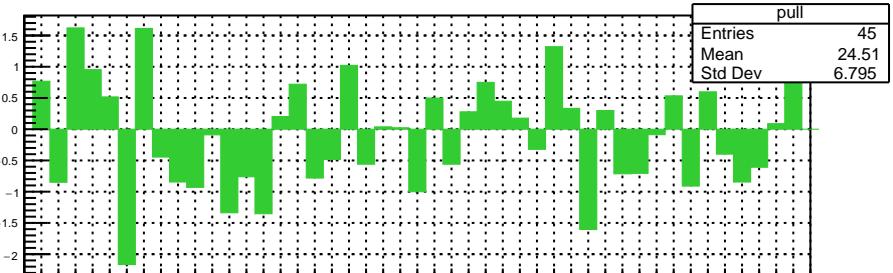
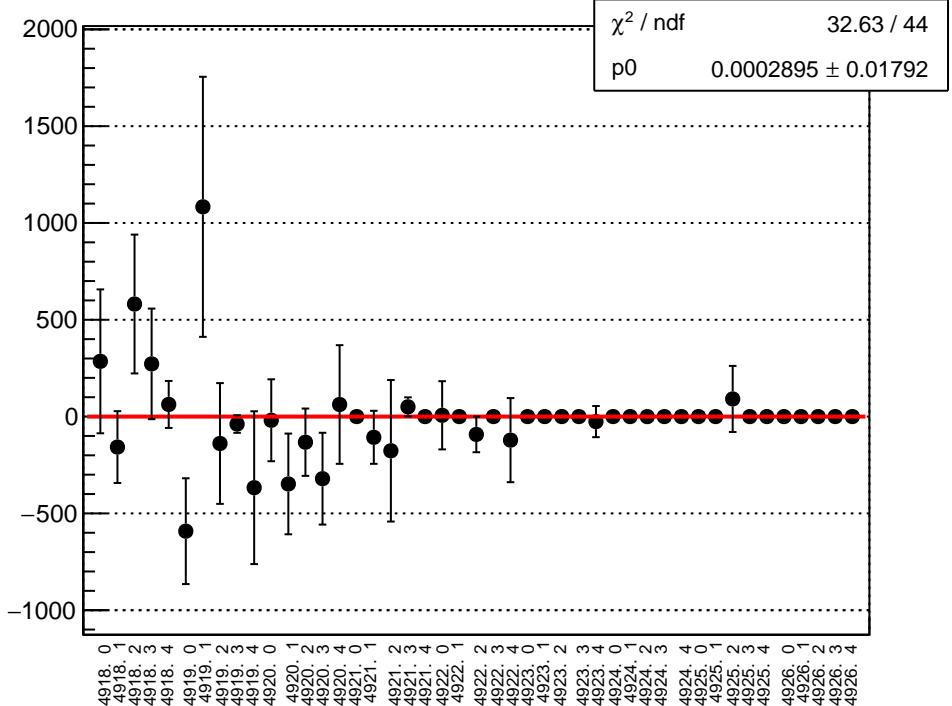
# diff\_cav4cY\_mean vs run



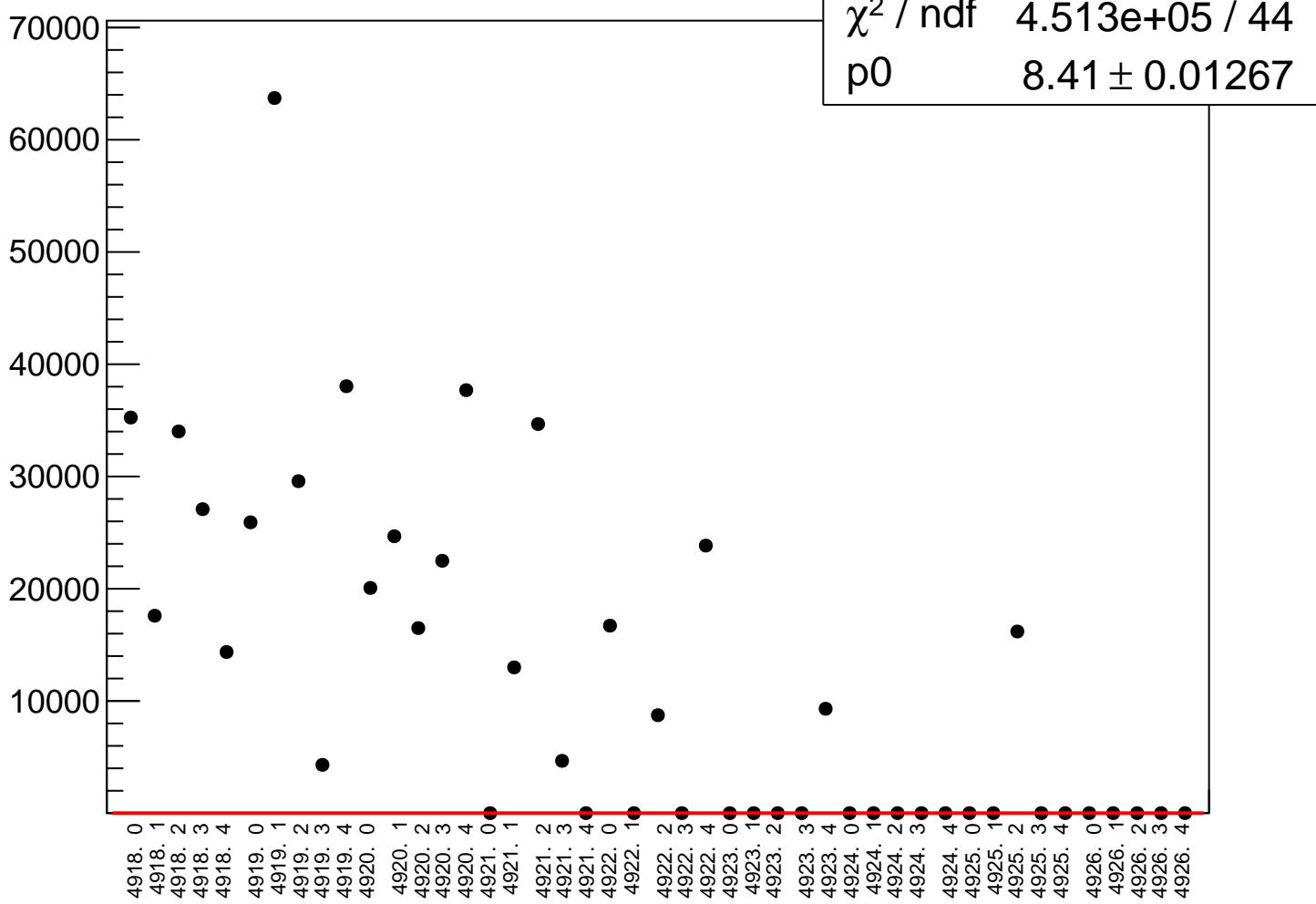
# diff\_cav4cY\_rms vs run



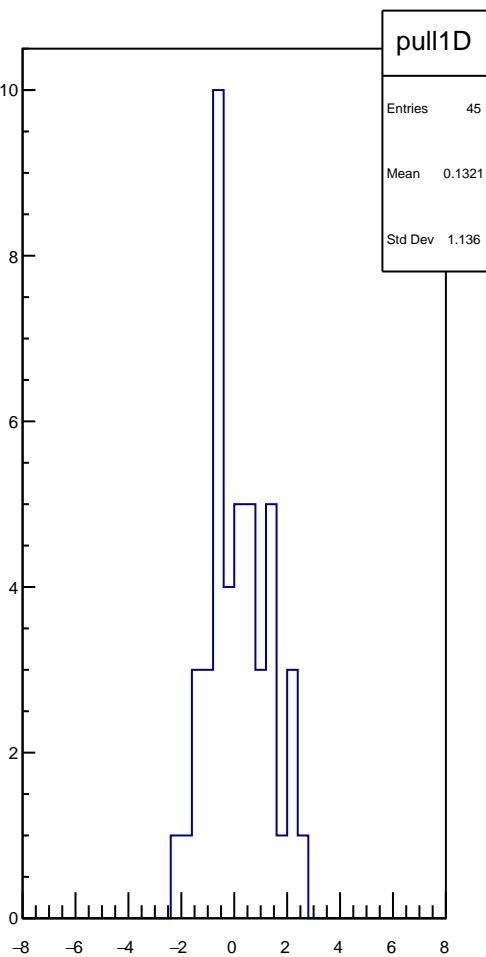
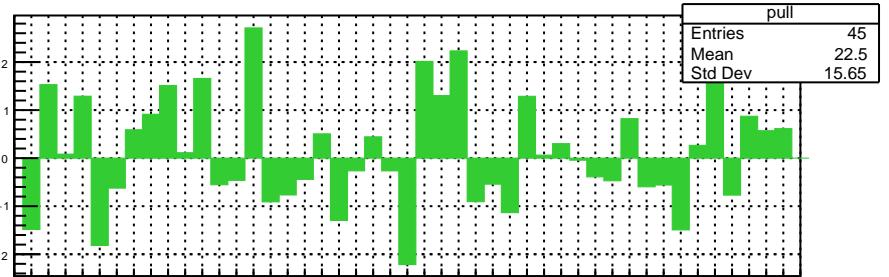
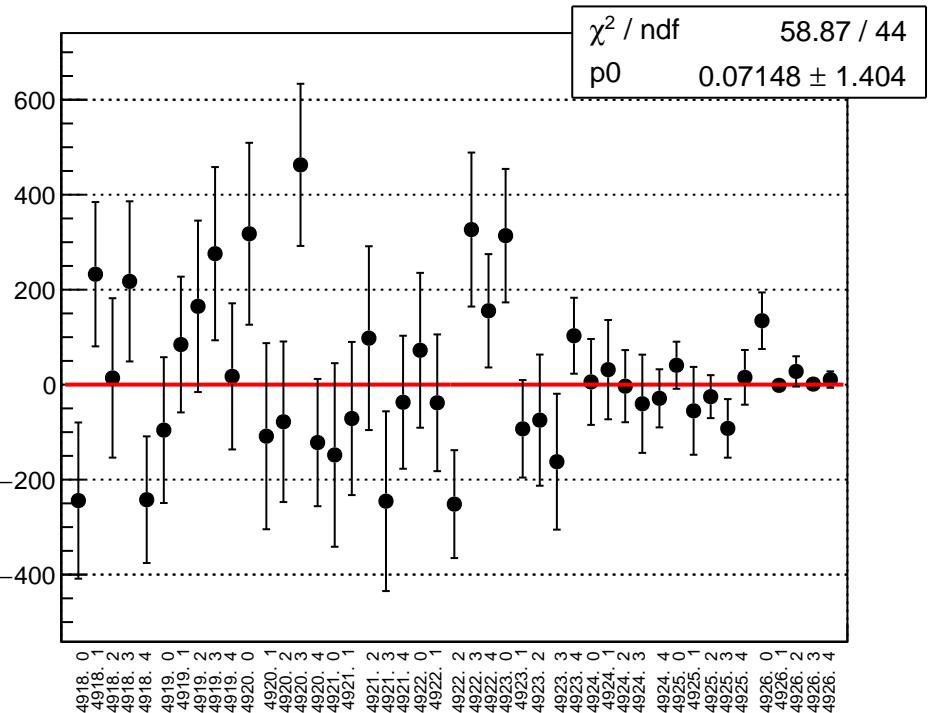
# diff\_cav4dX\_mean vs run



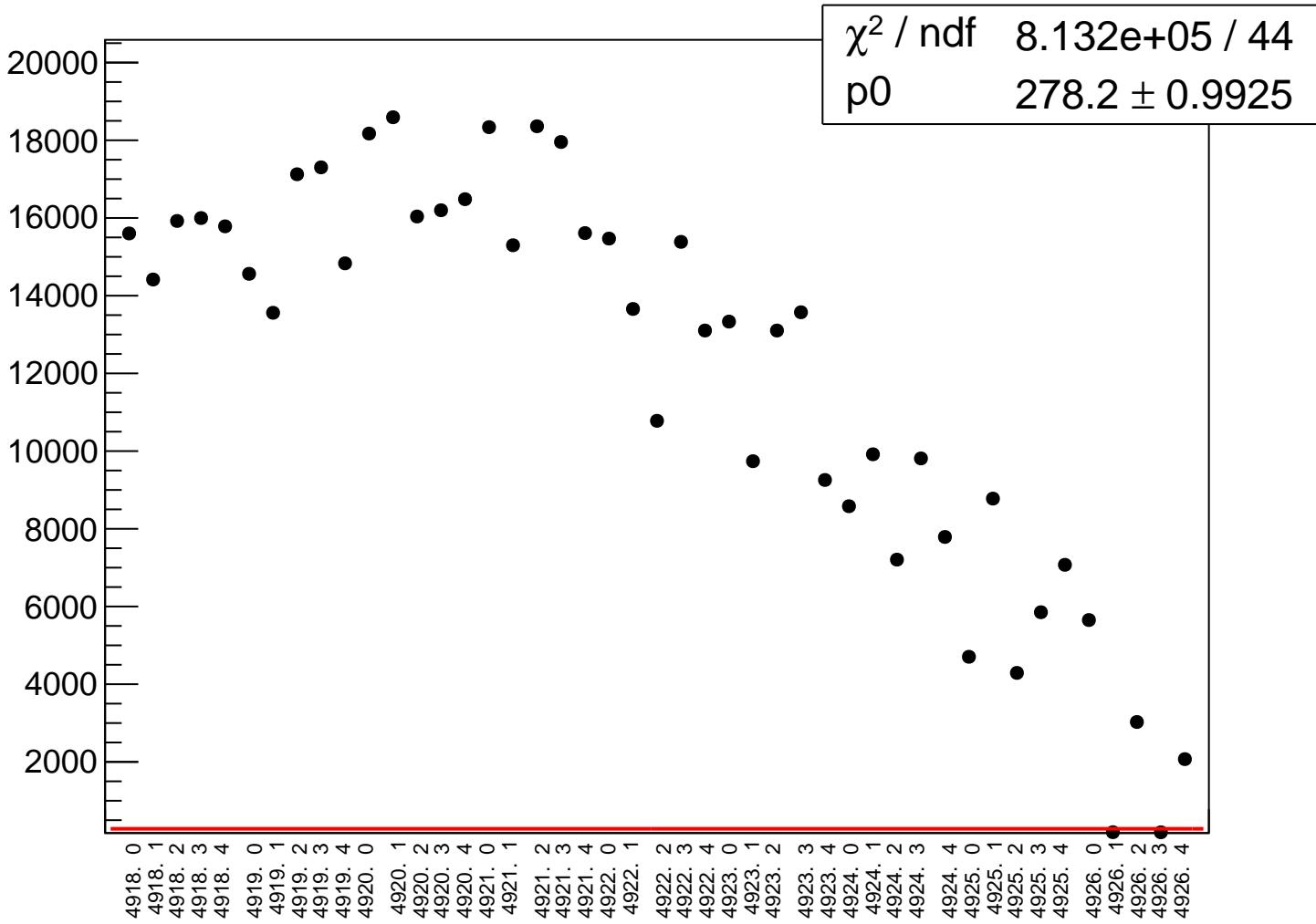
# diff\_cav4dX\_rms vs run



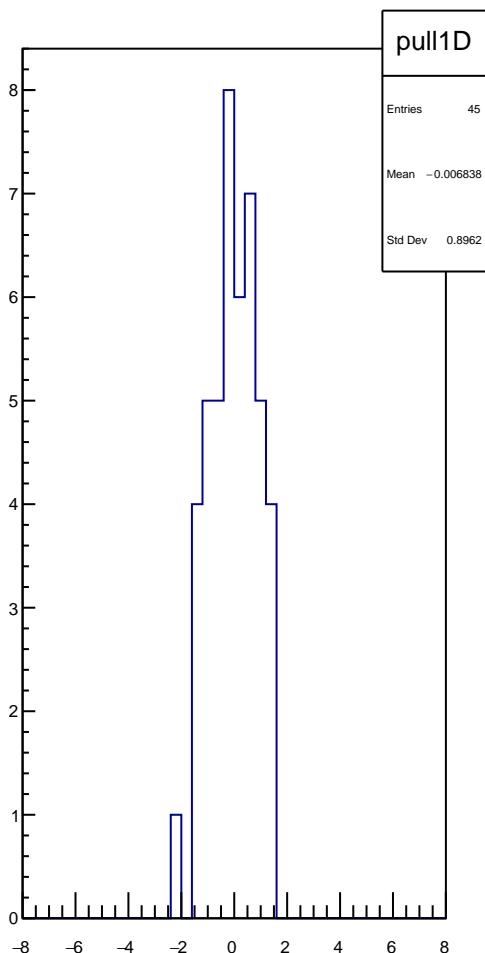
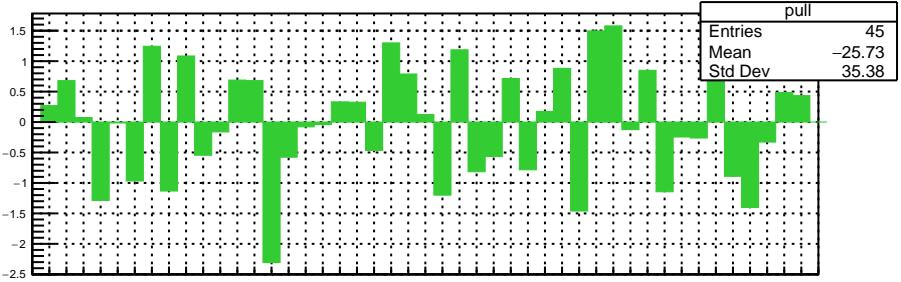
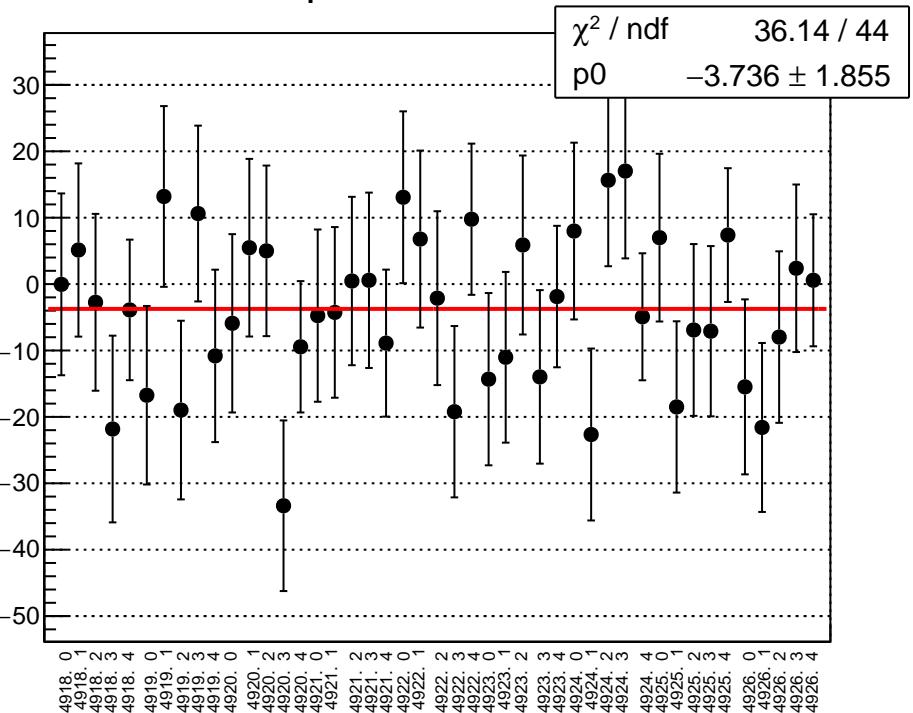
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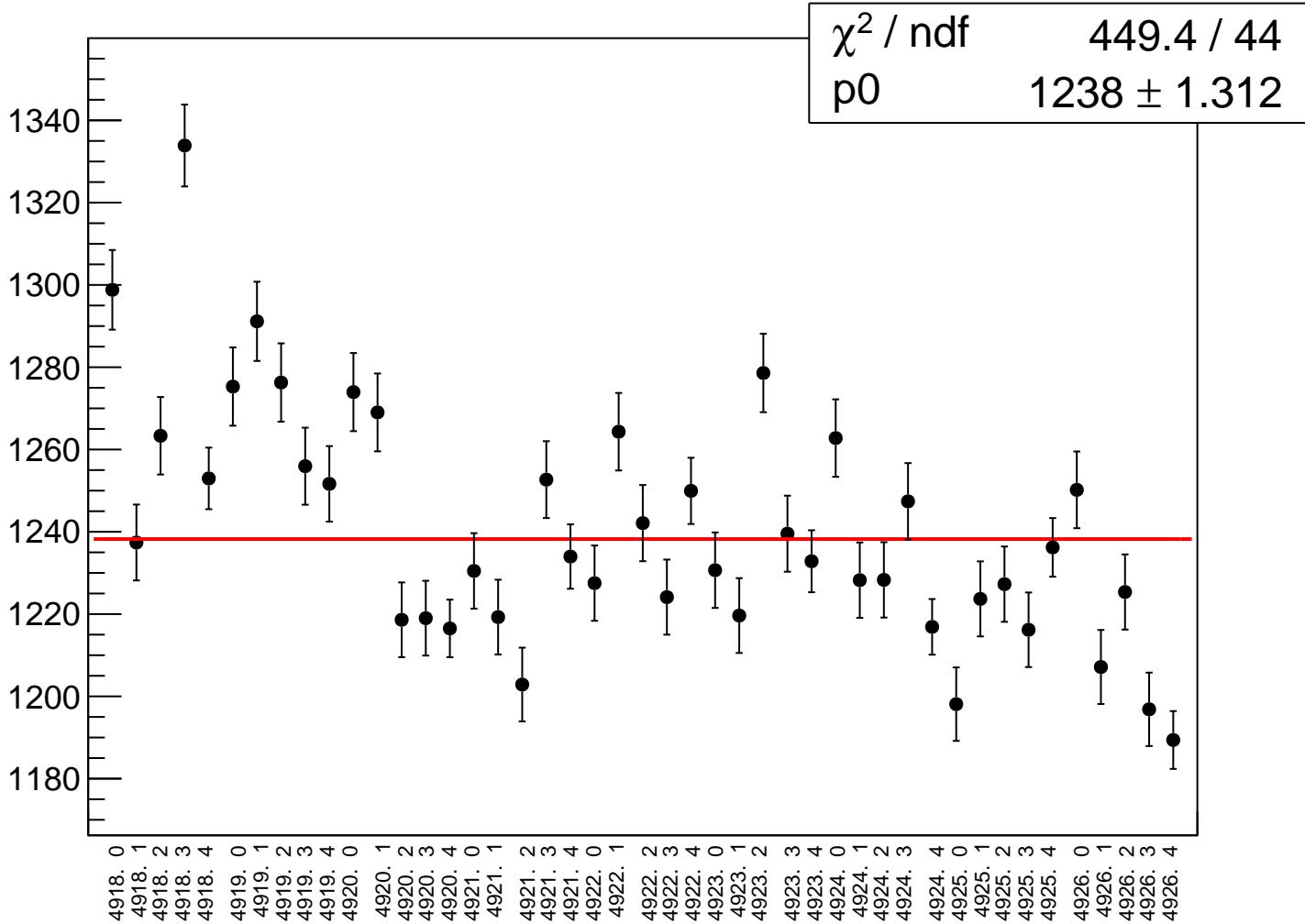
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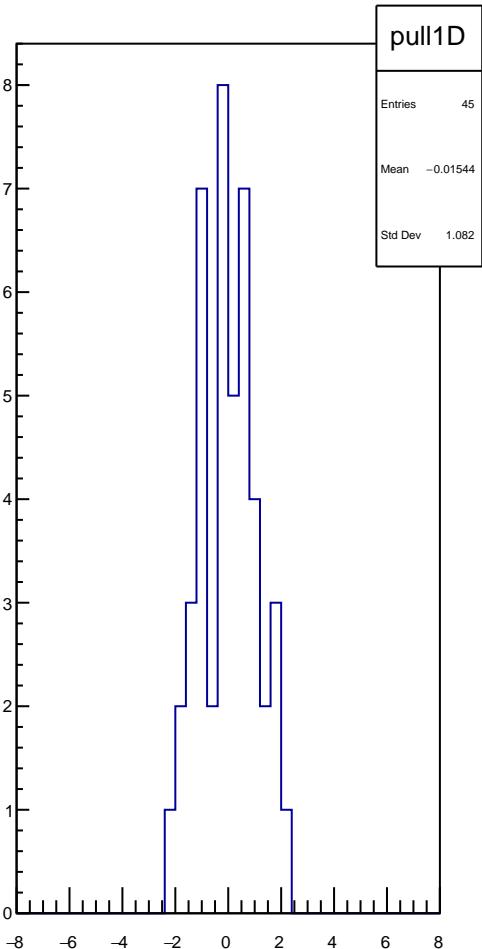
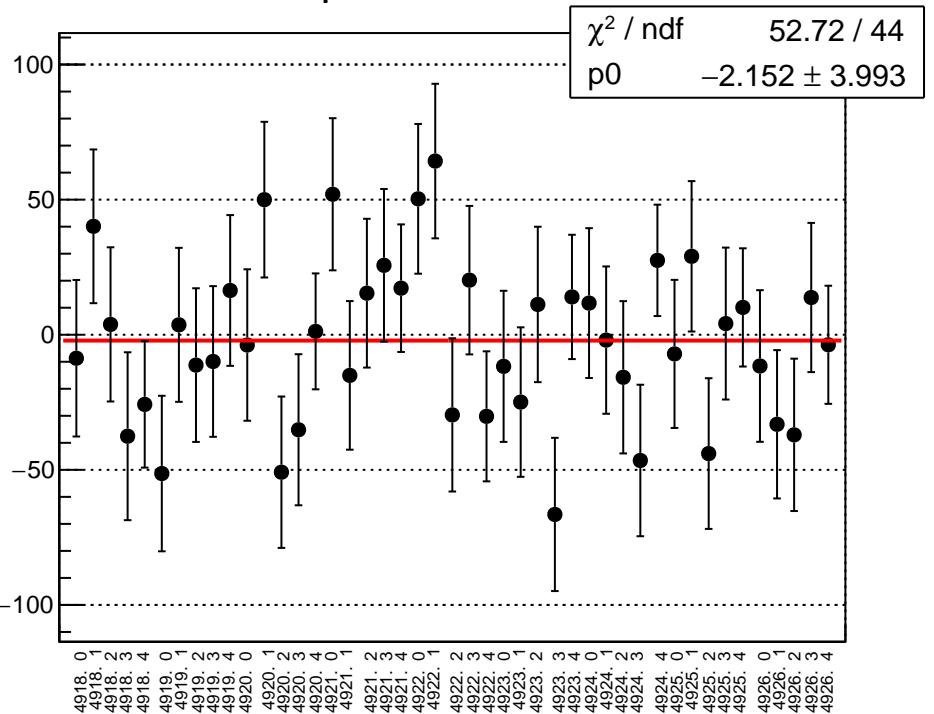
# diff\_bpm4aX\_mean vs run



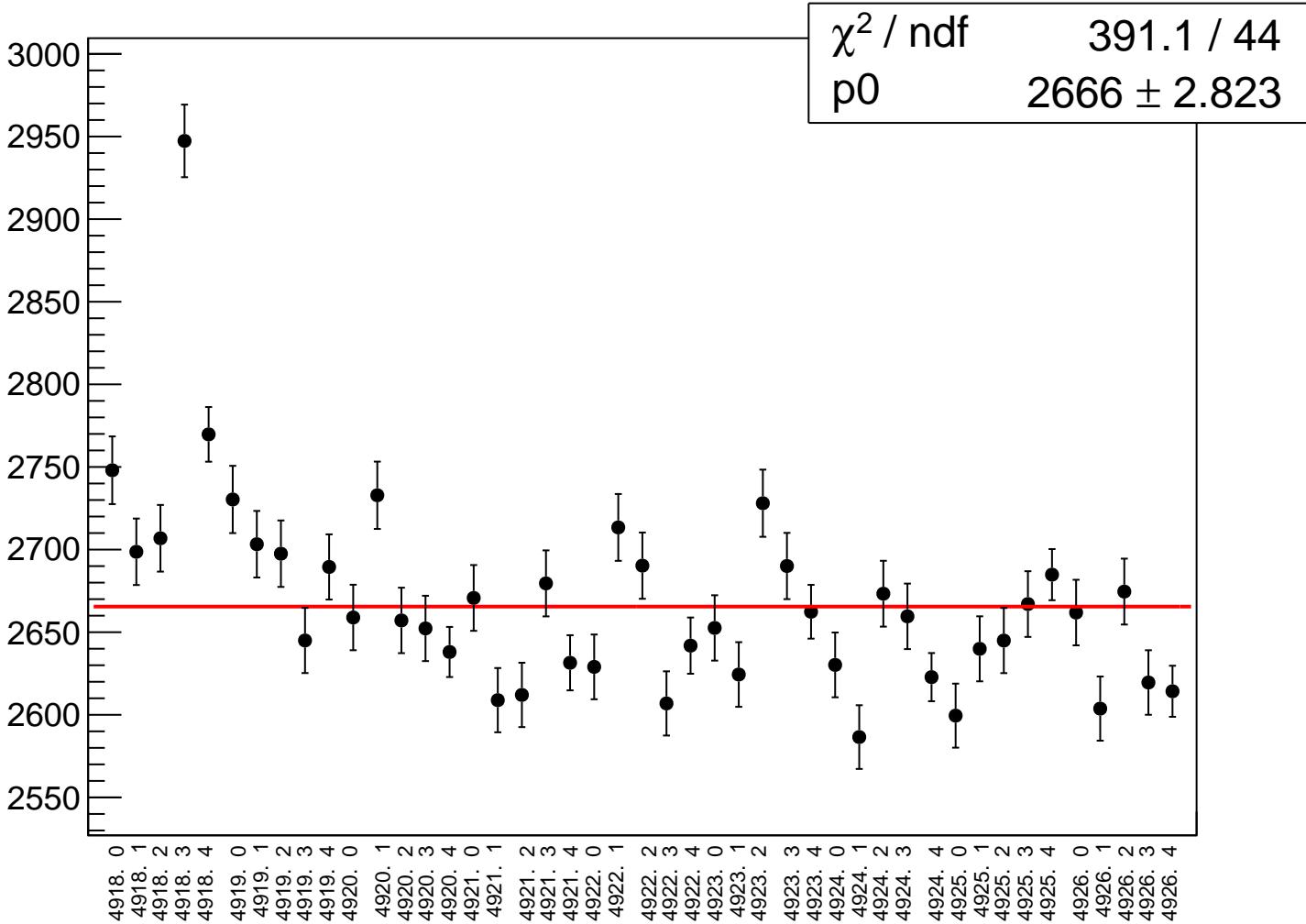
# diff\_bpm4aX\_rms vs run



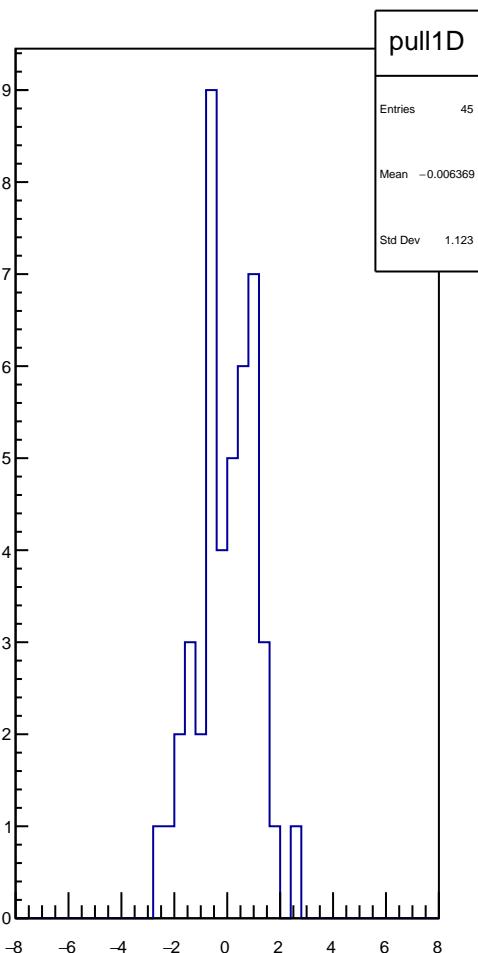
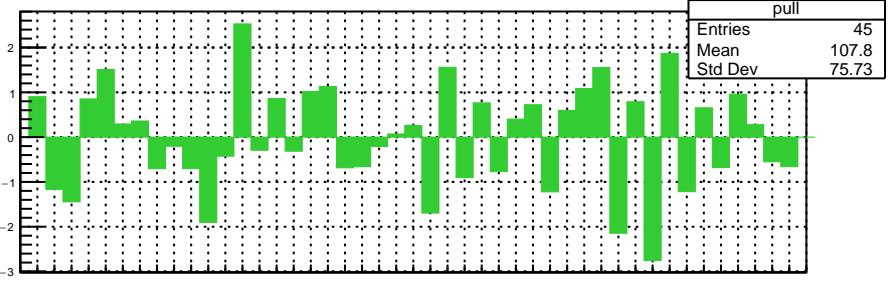
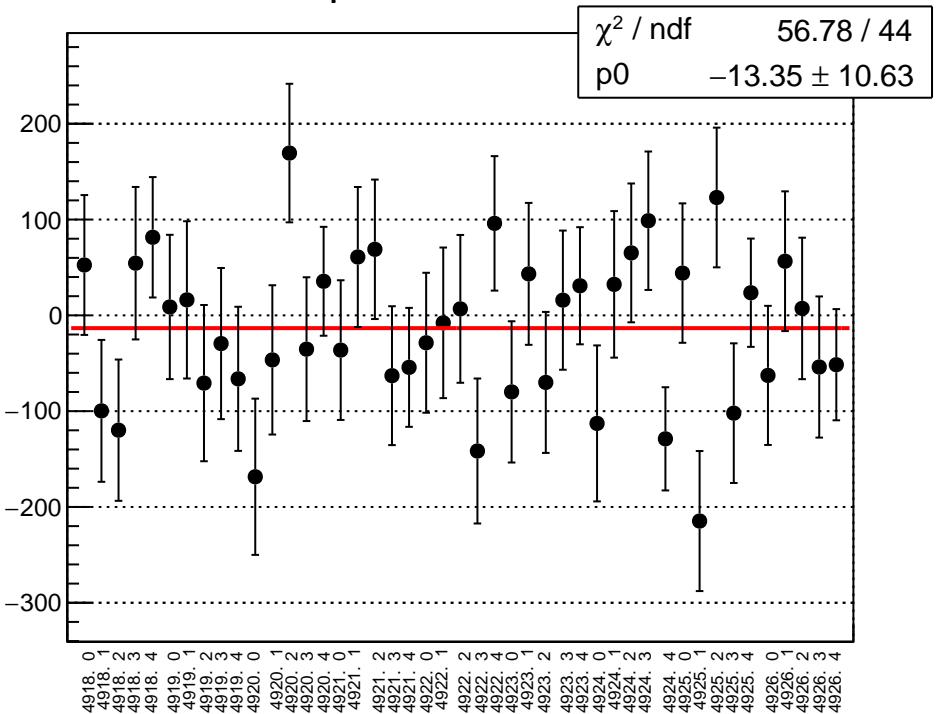
# diff\_bpm4aY\_mean vs run



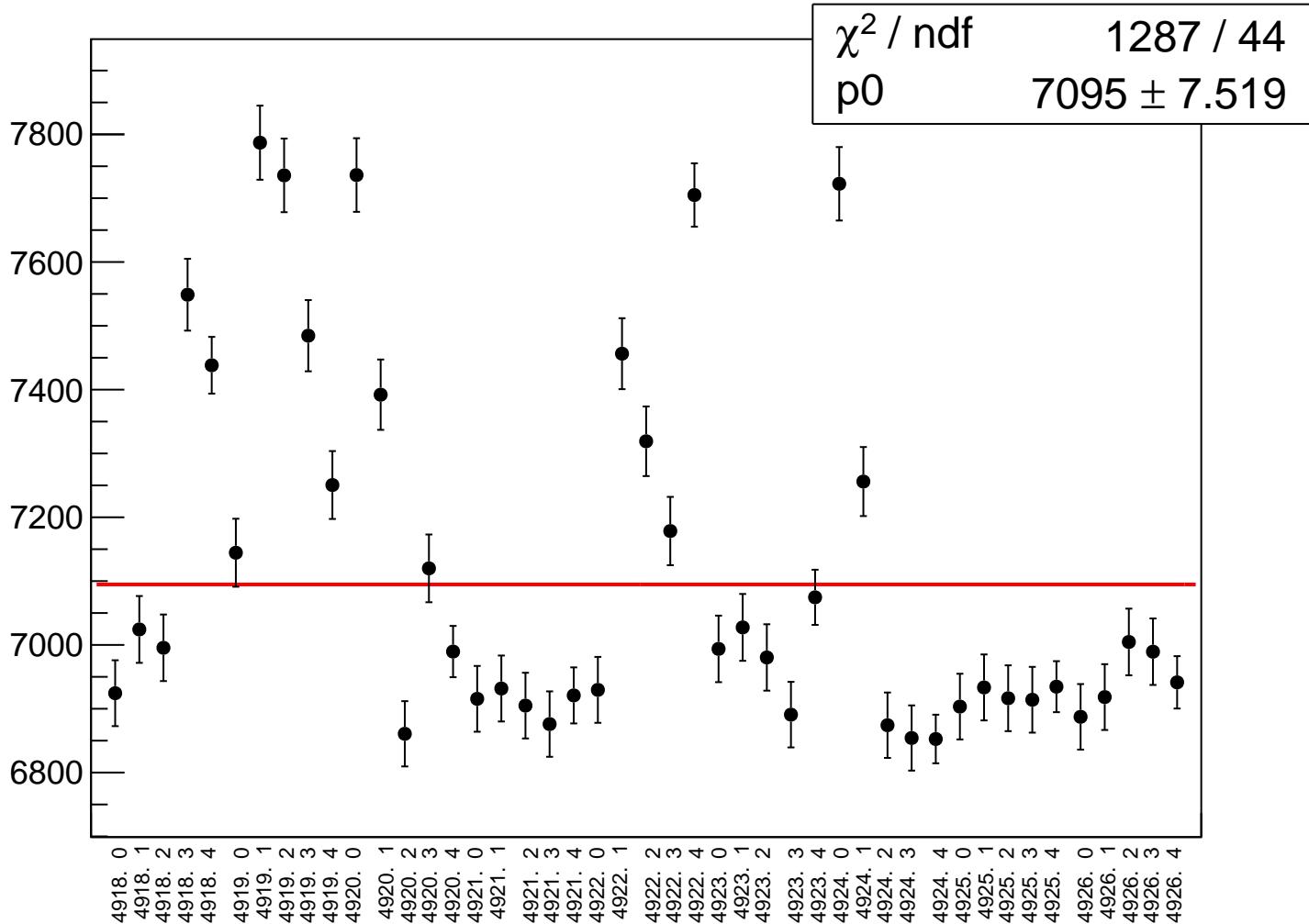
# diff\_bpm4aY\_rms vs run



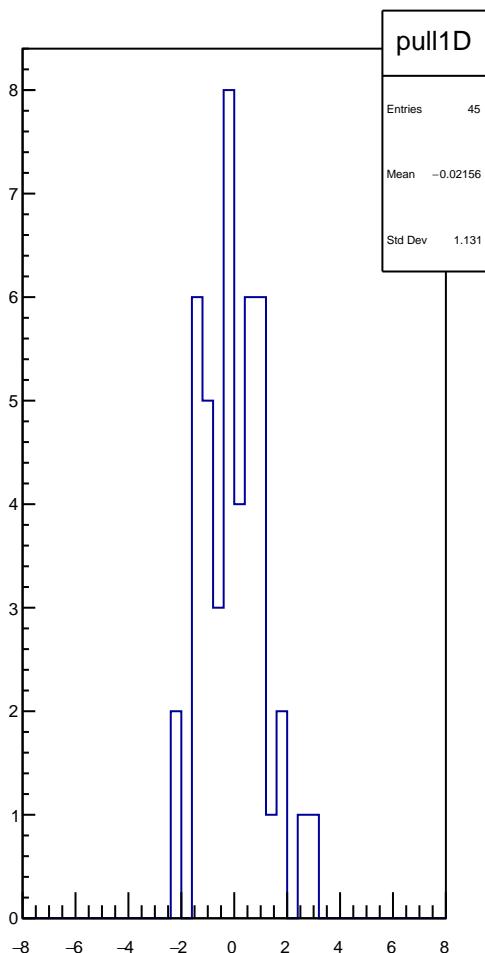
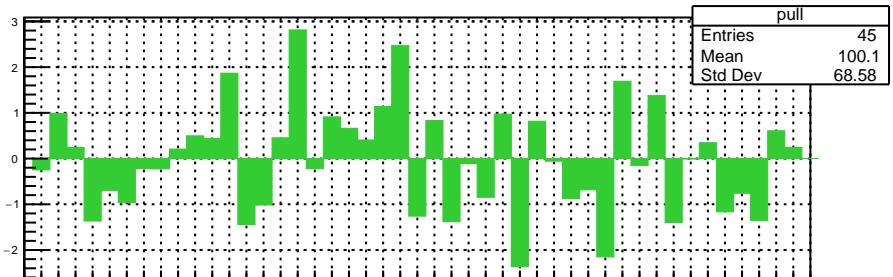
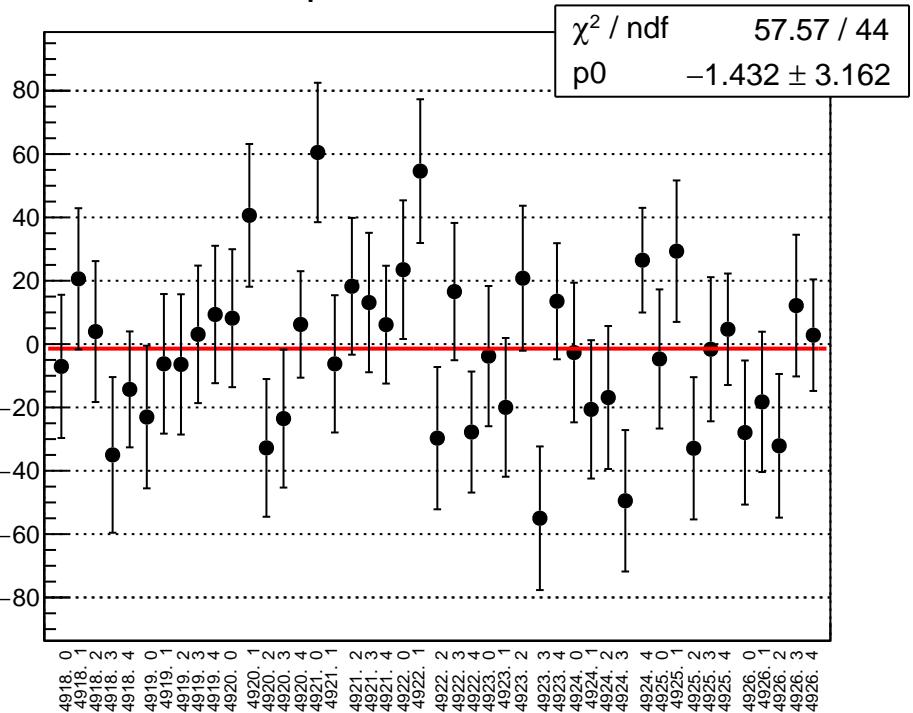
# diff\_bpm4eX\_mean vs run



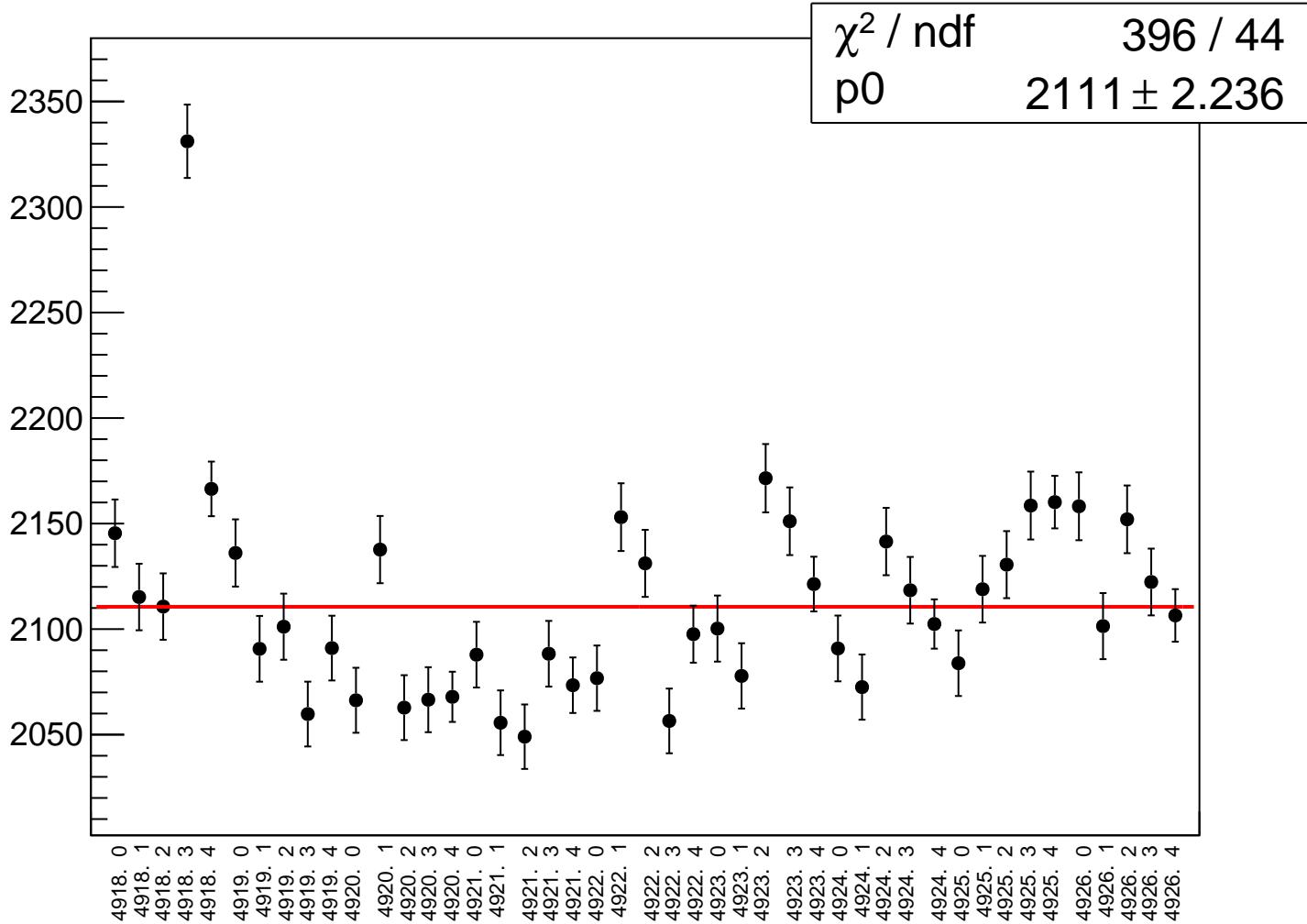
# diff\_bpm4eX\_rms vs run



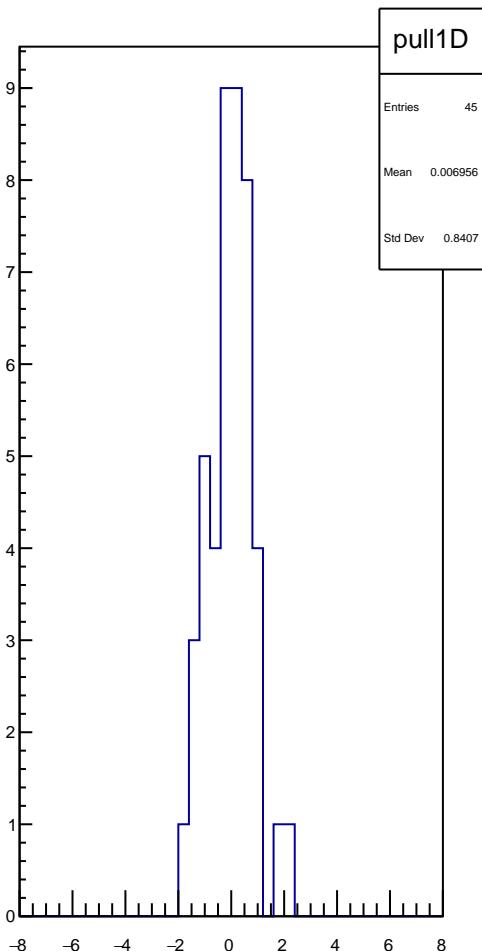
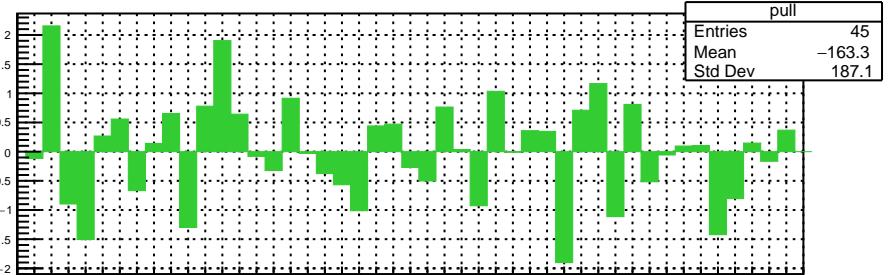
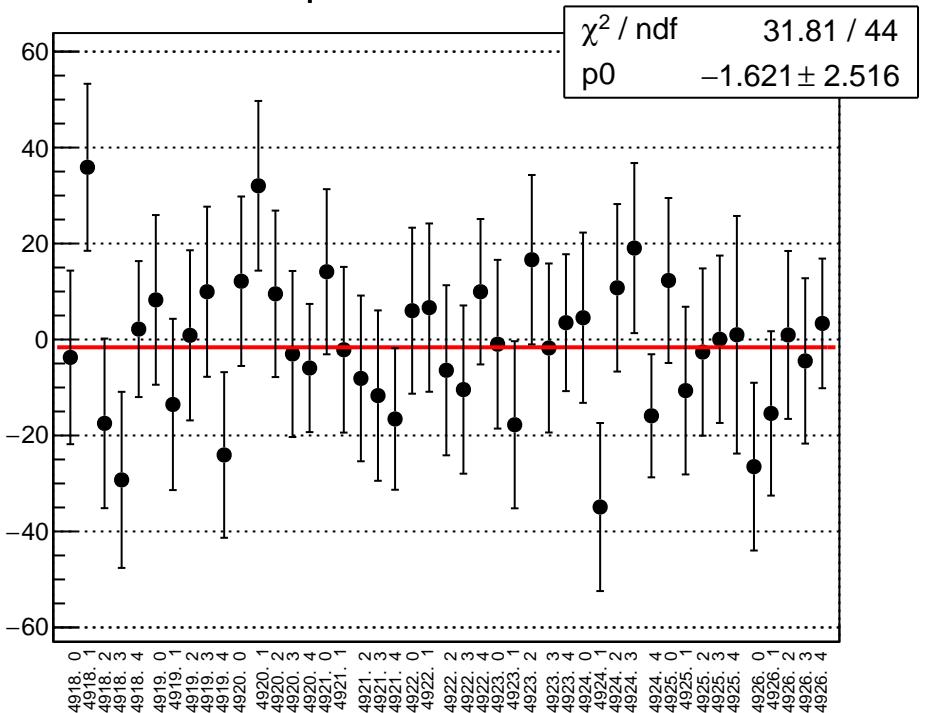
# diff\_bpm4eY\_mean vs run



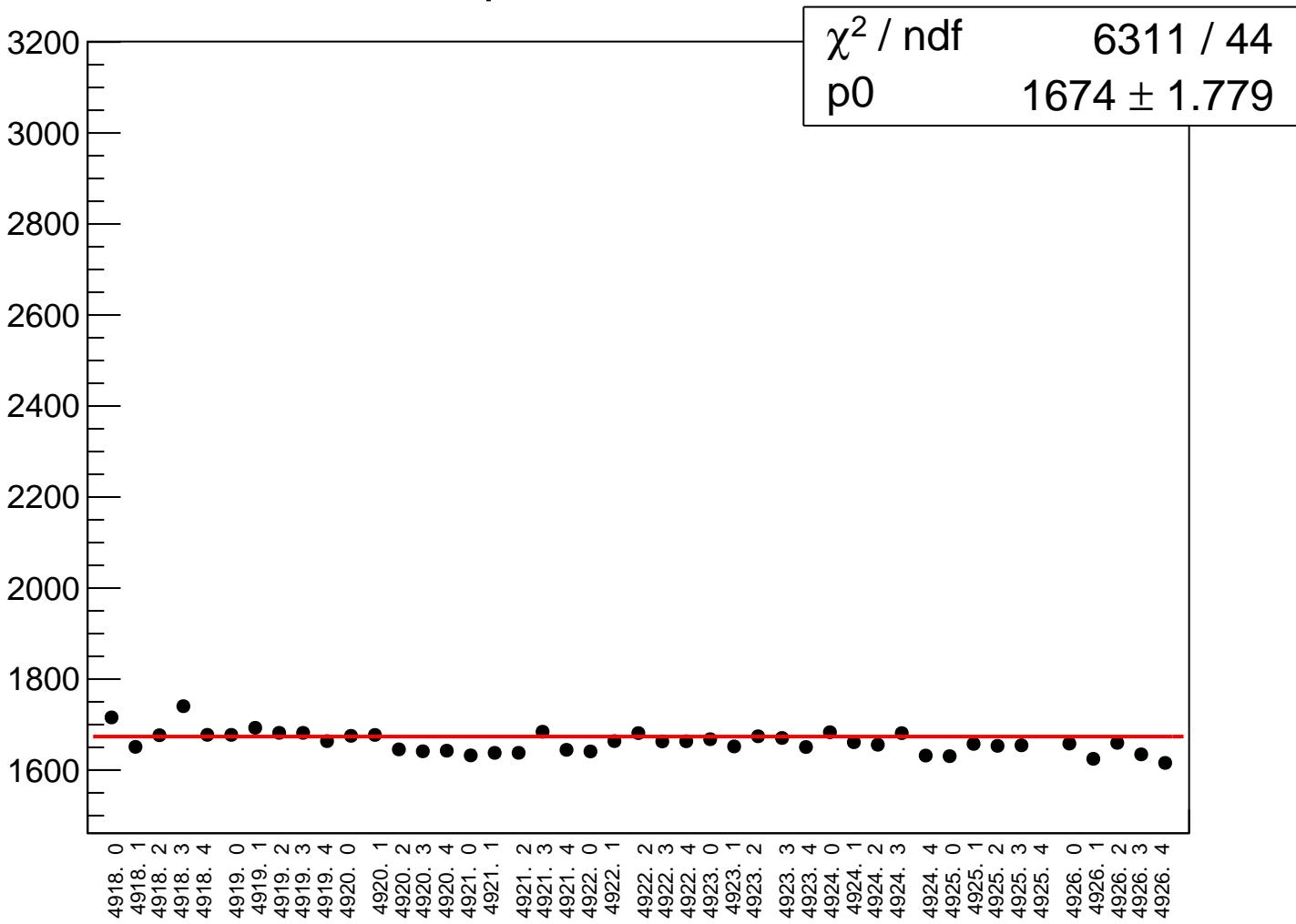
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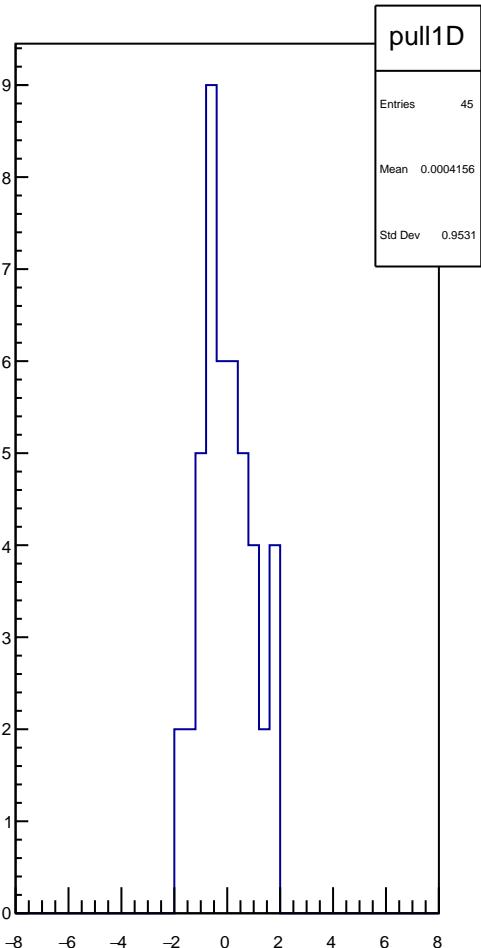
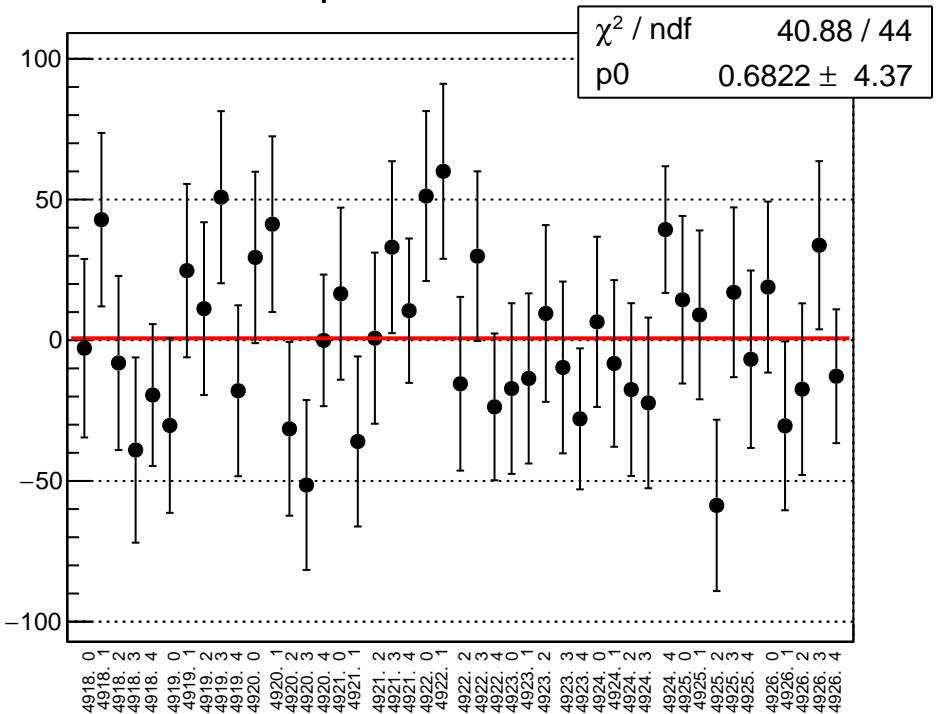
# diff\_bpm4acX\_mean vs run



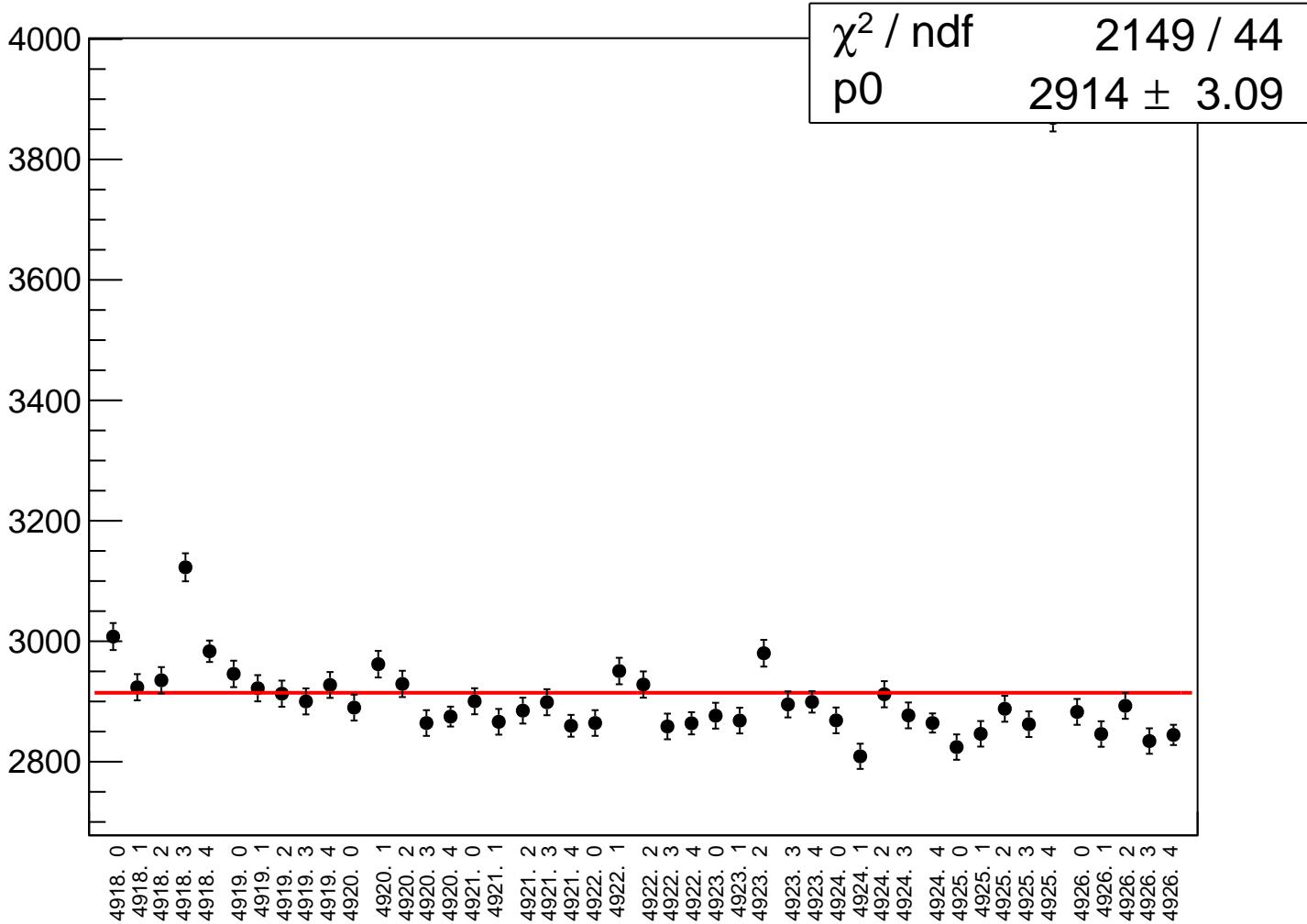
# diff\_bpm4acX\_rms vs run



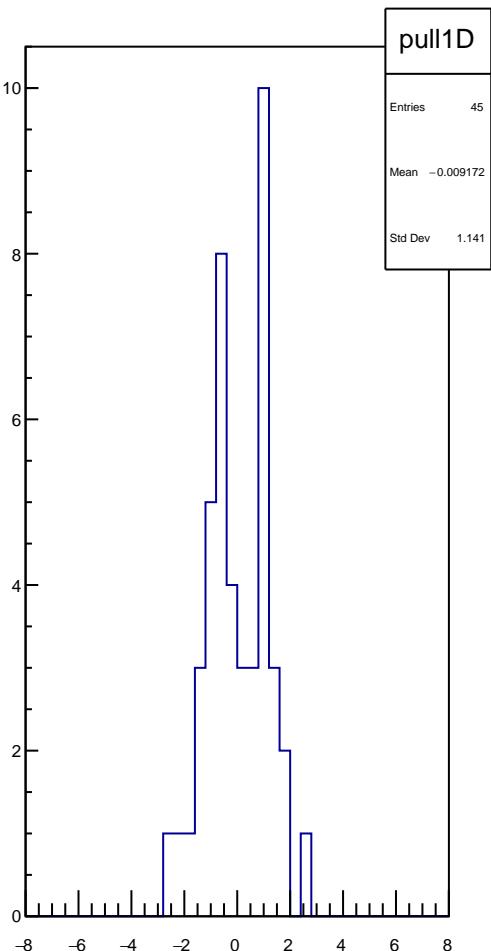
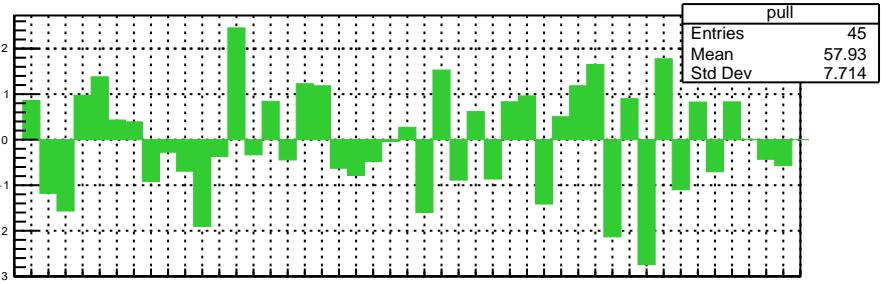
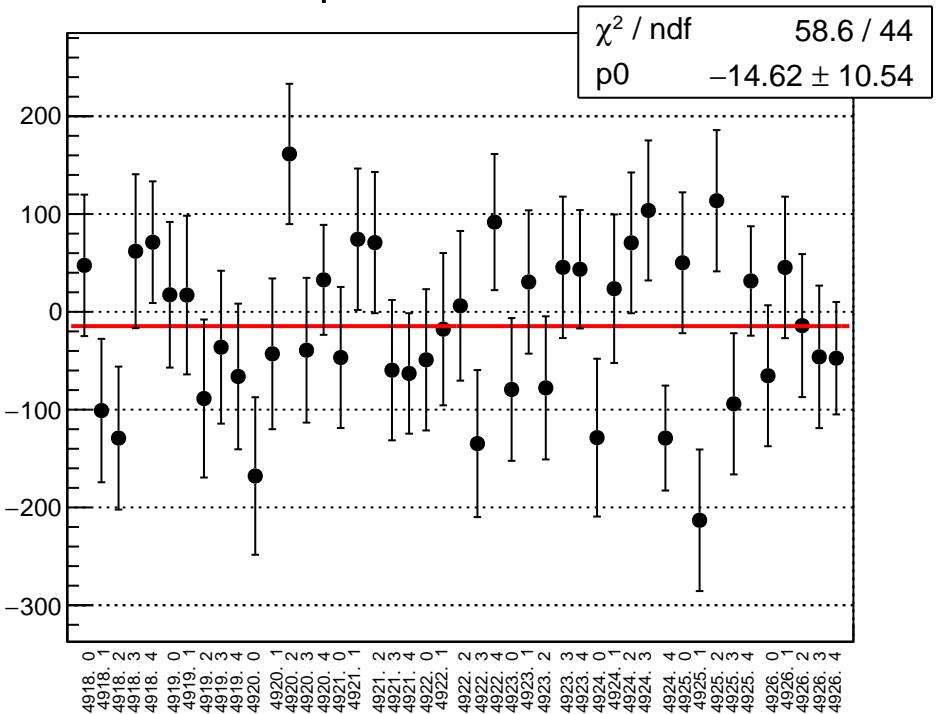
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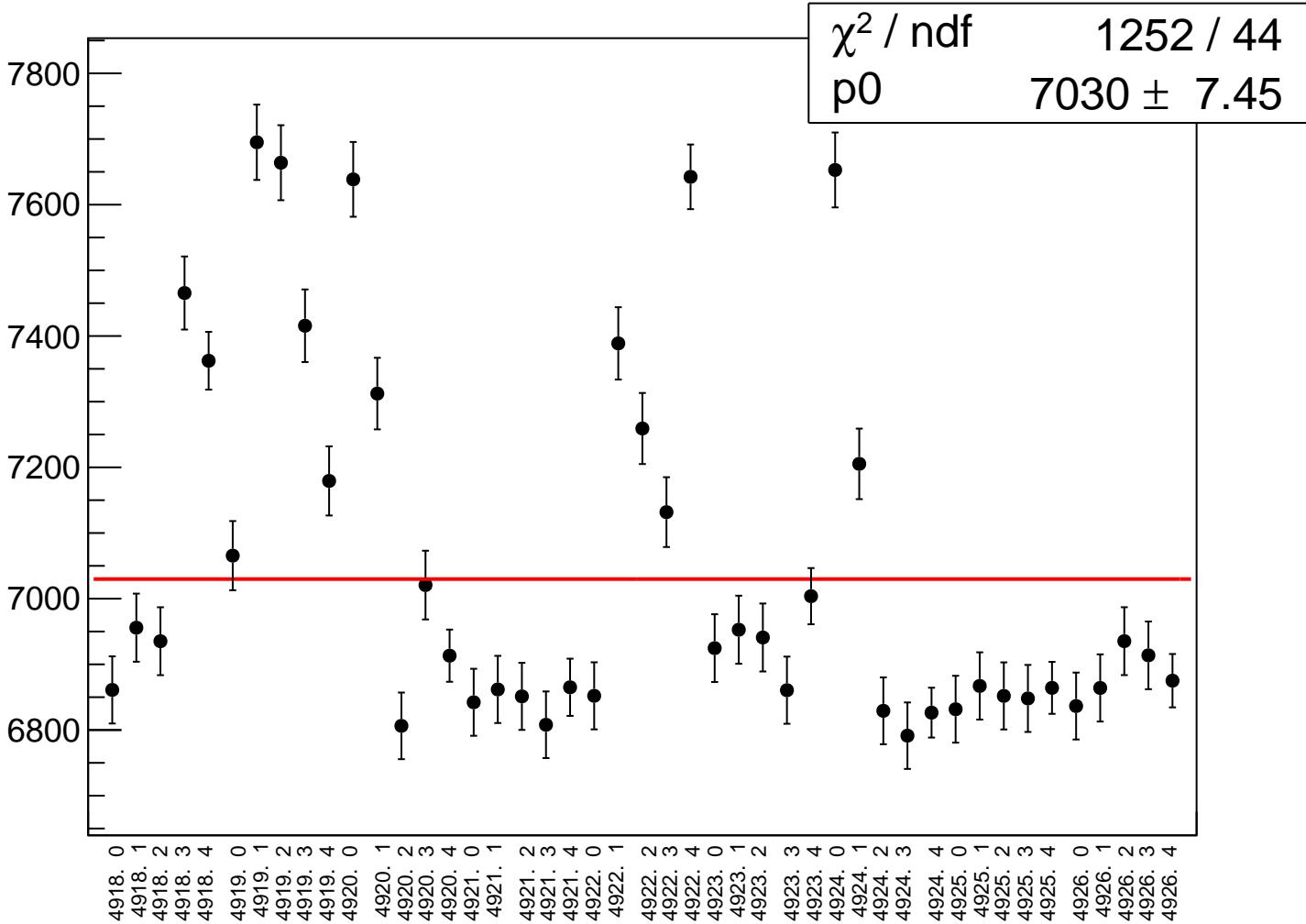
# diff\_bpm4acY\_rms vs run



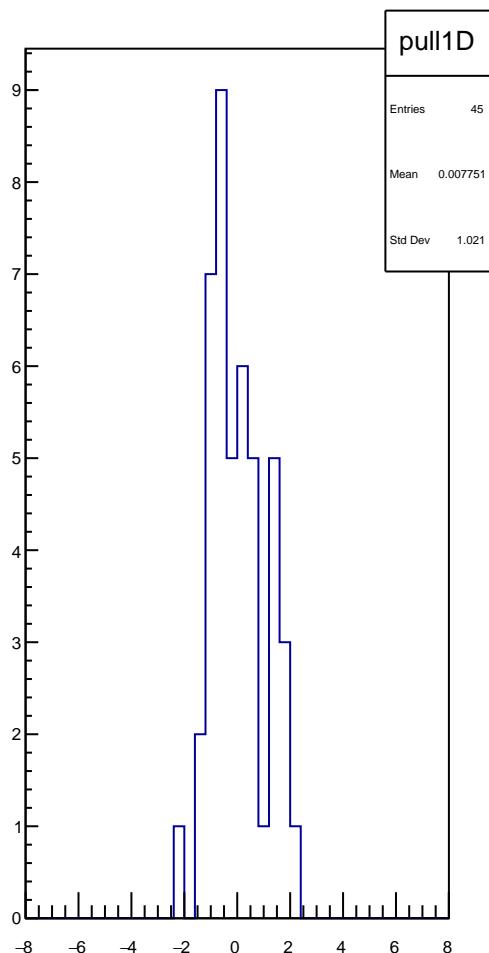
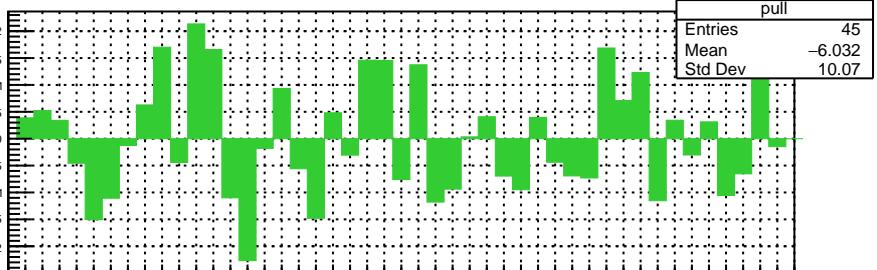
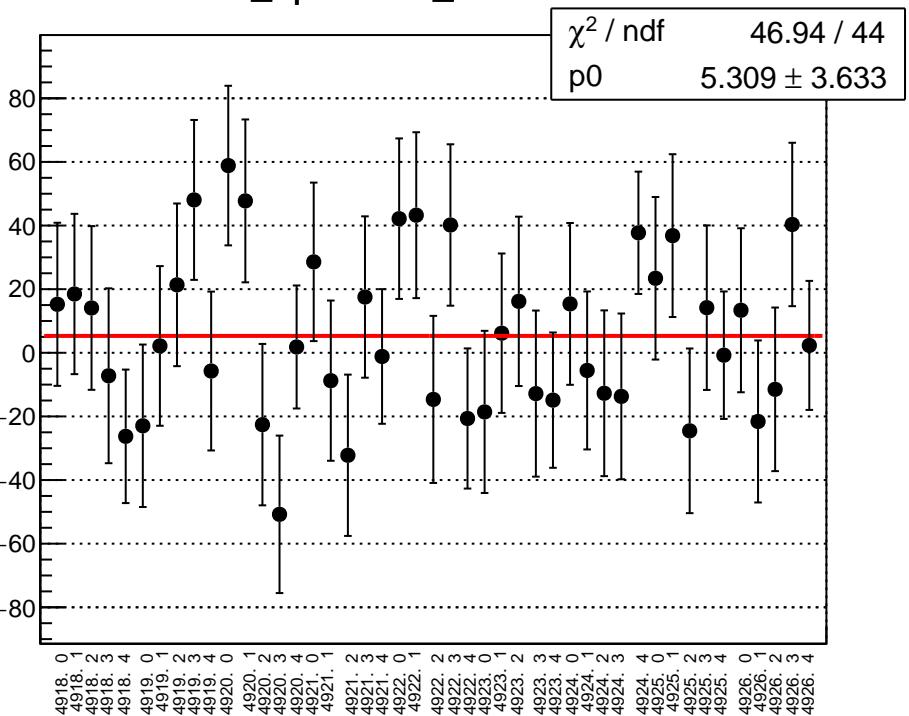
# diff\_bpm4ecX\_mean vs run



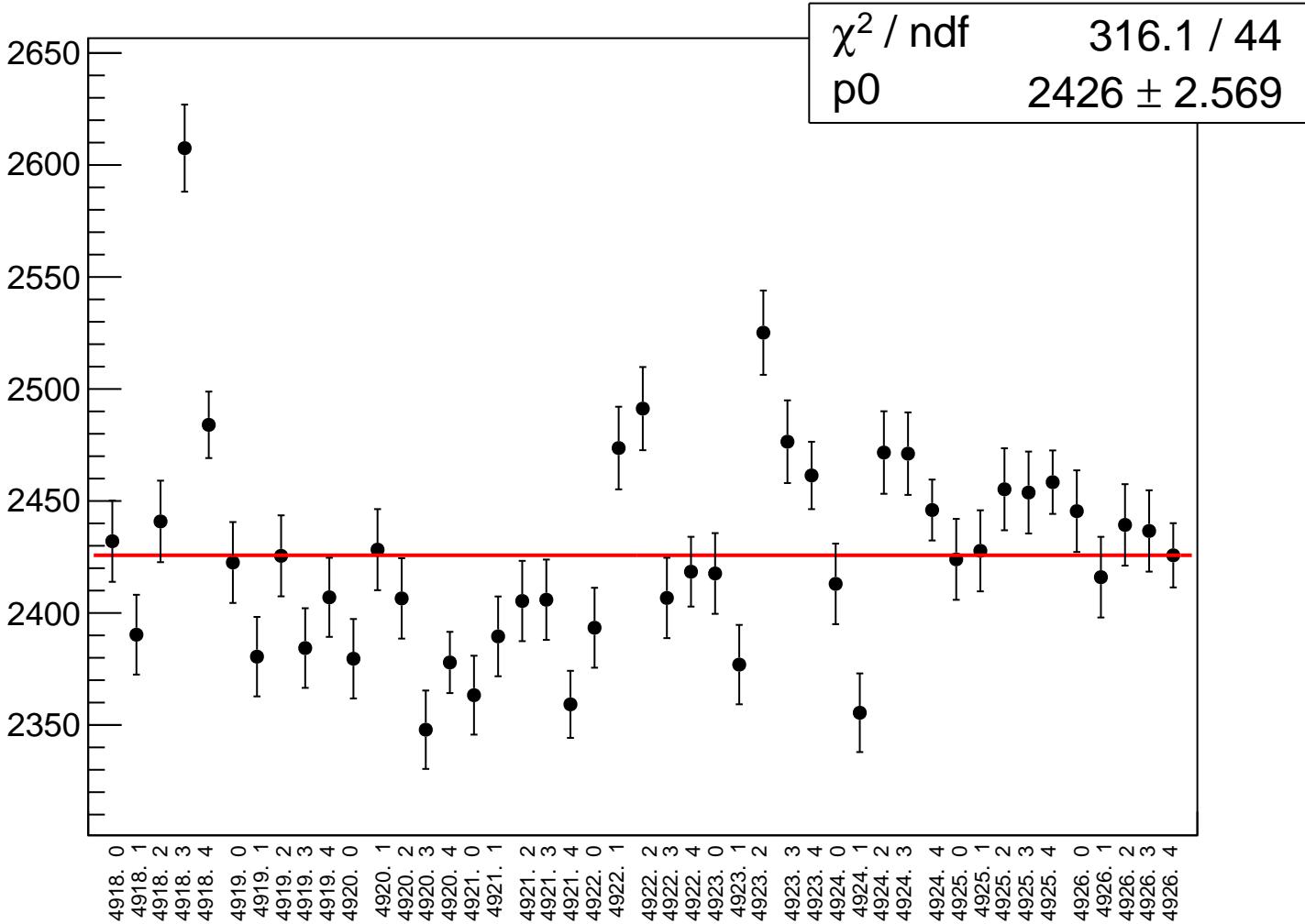
# diff\_bpm4ecX\_rms vs run



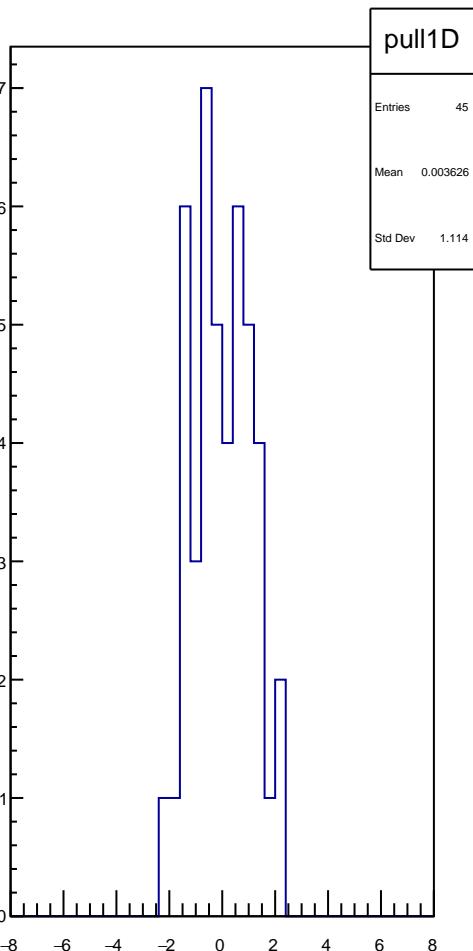
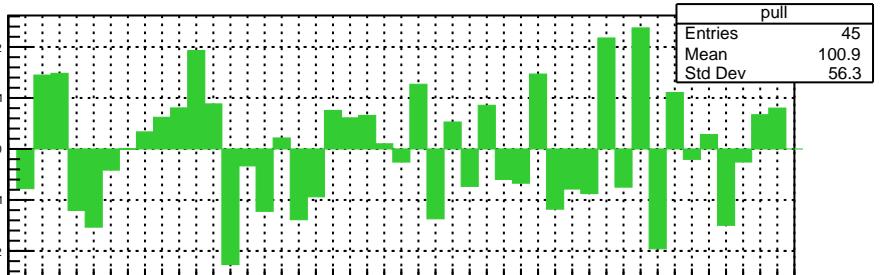
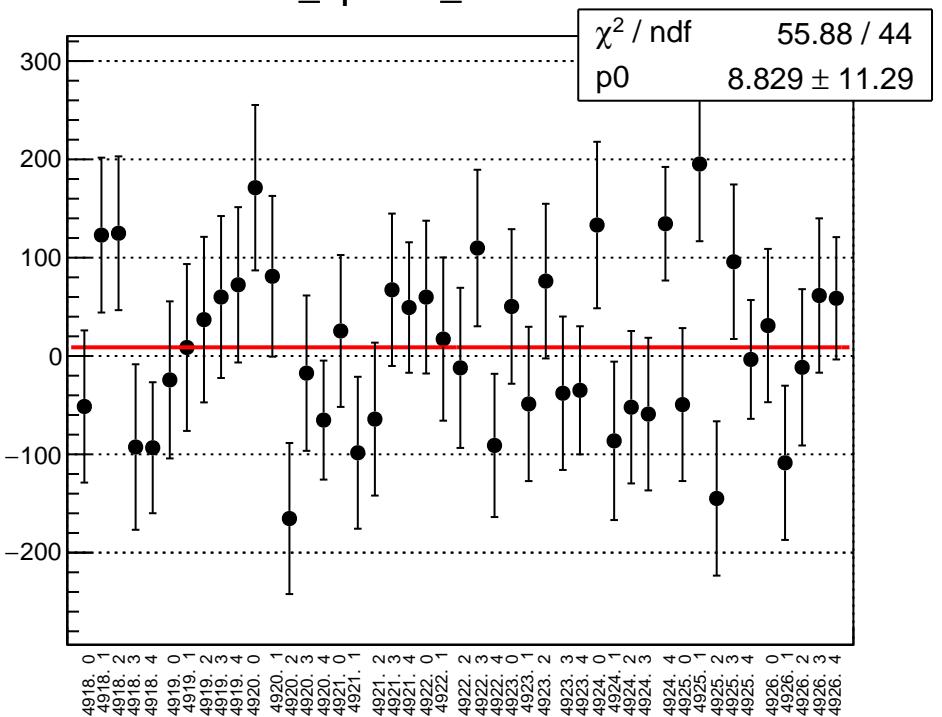
# diff\_bpm4ecY\_mean vs run



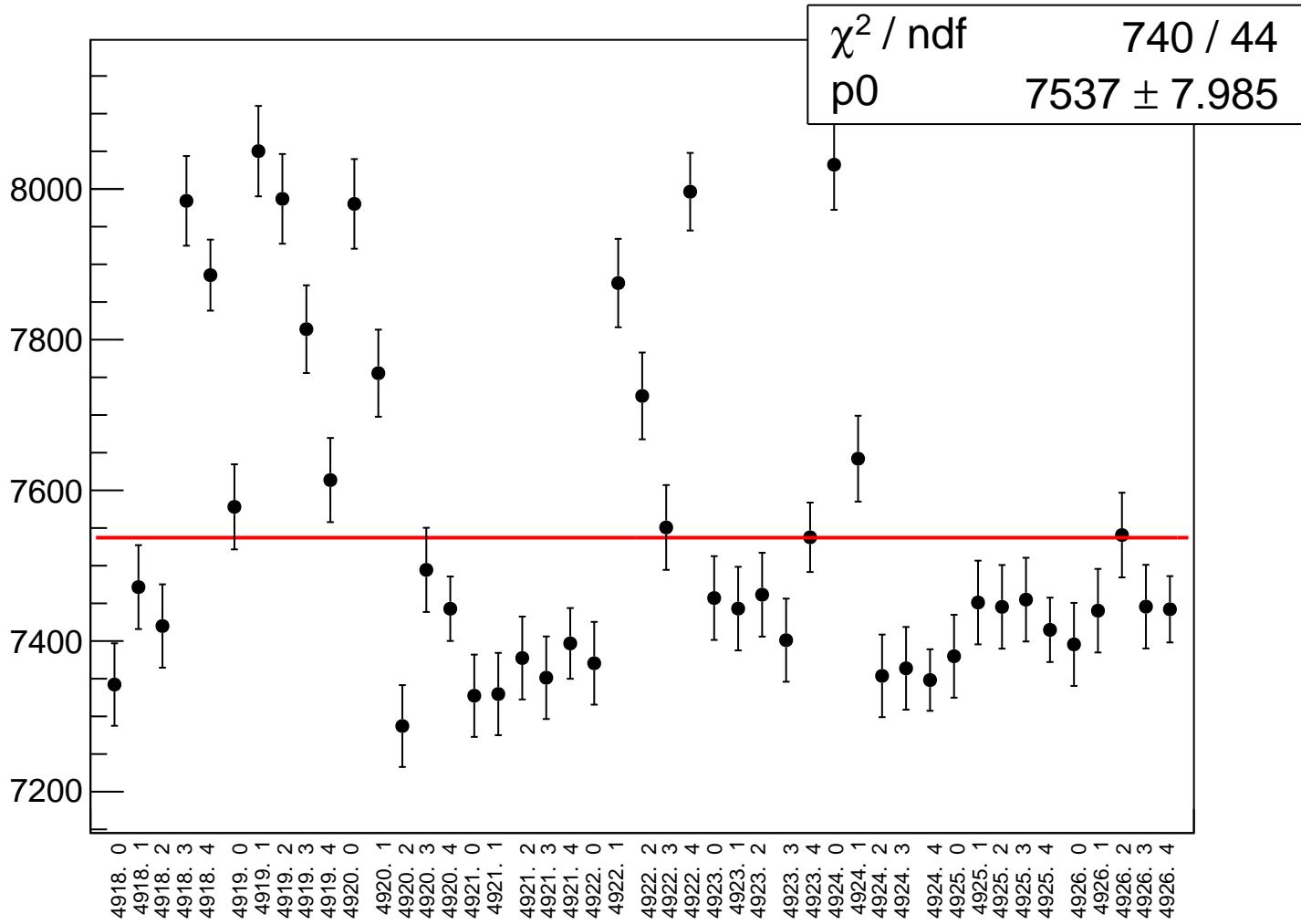
# diff\_bpm4ecY\_rms vs run



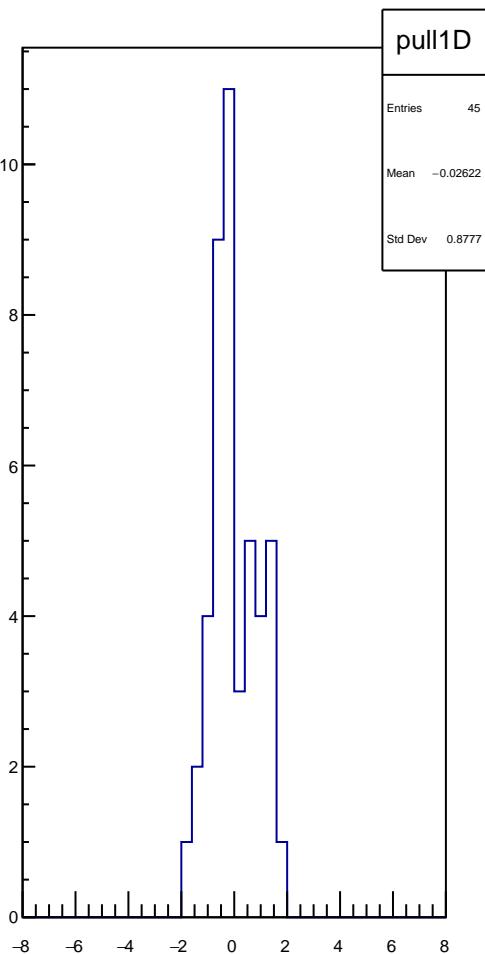
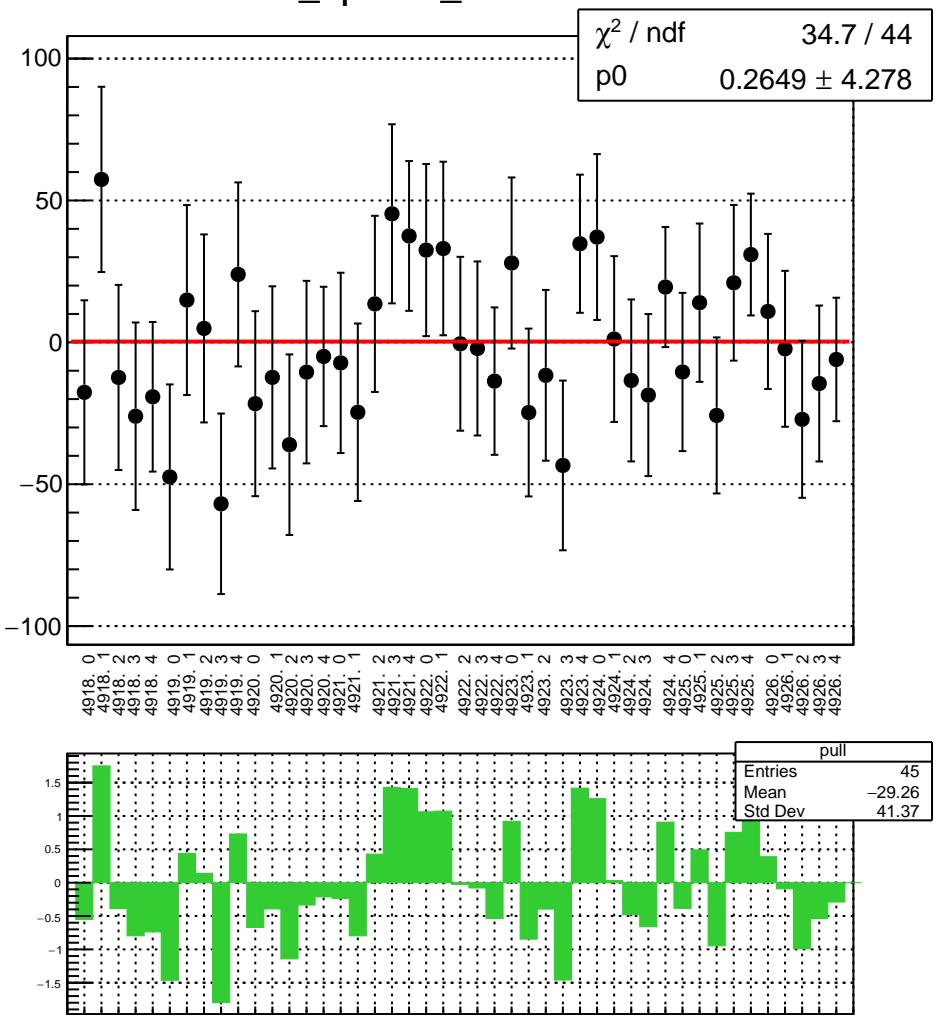
# diff\_bpm1X\_mean vs run



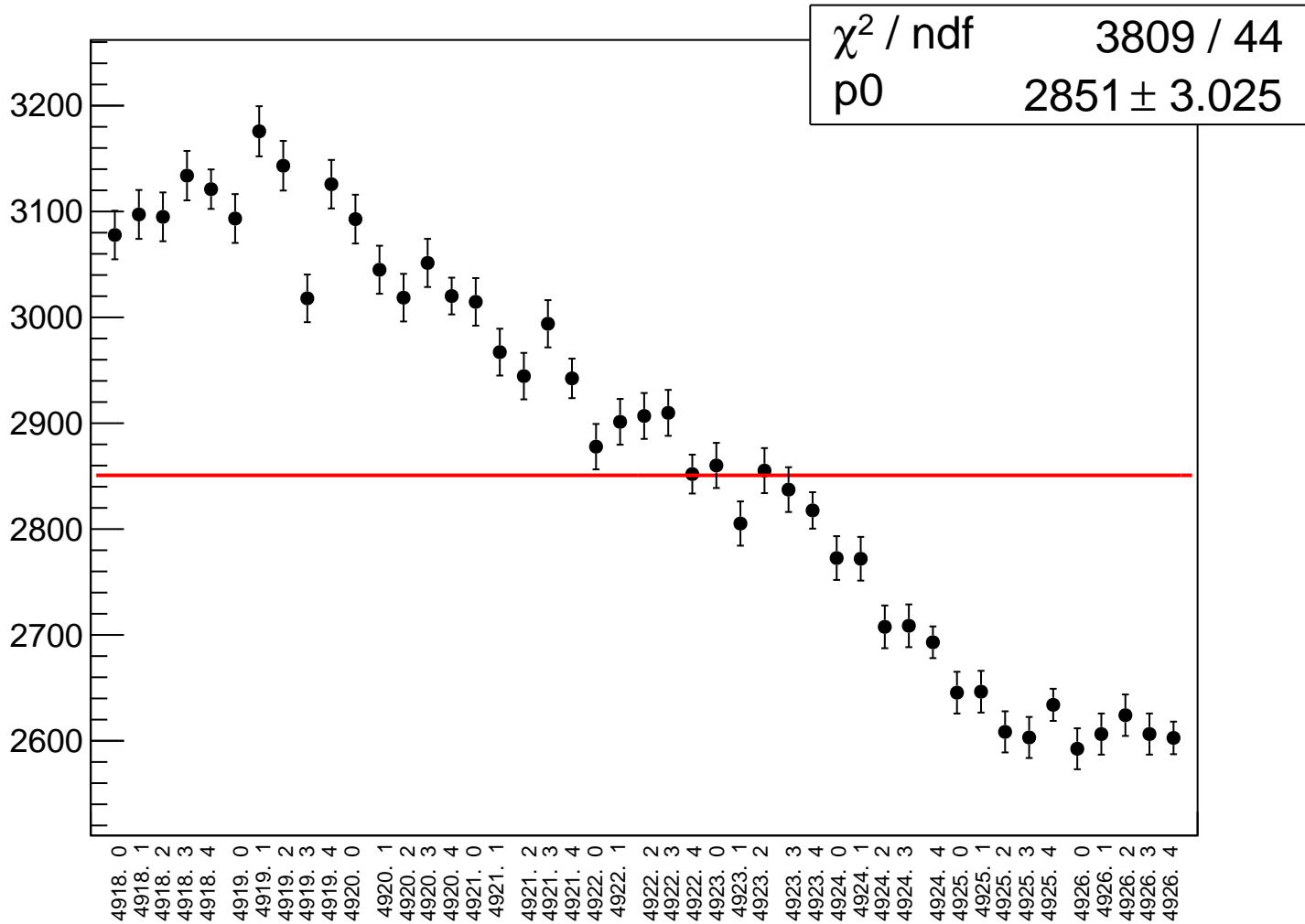
# diff\_bpm1X\_rms vs run



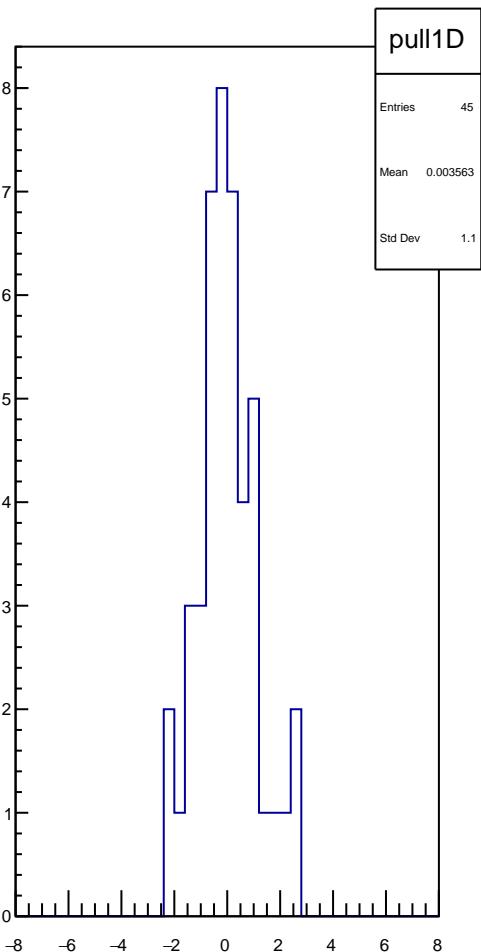
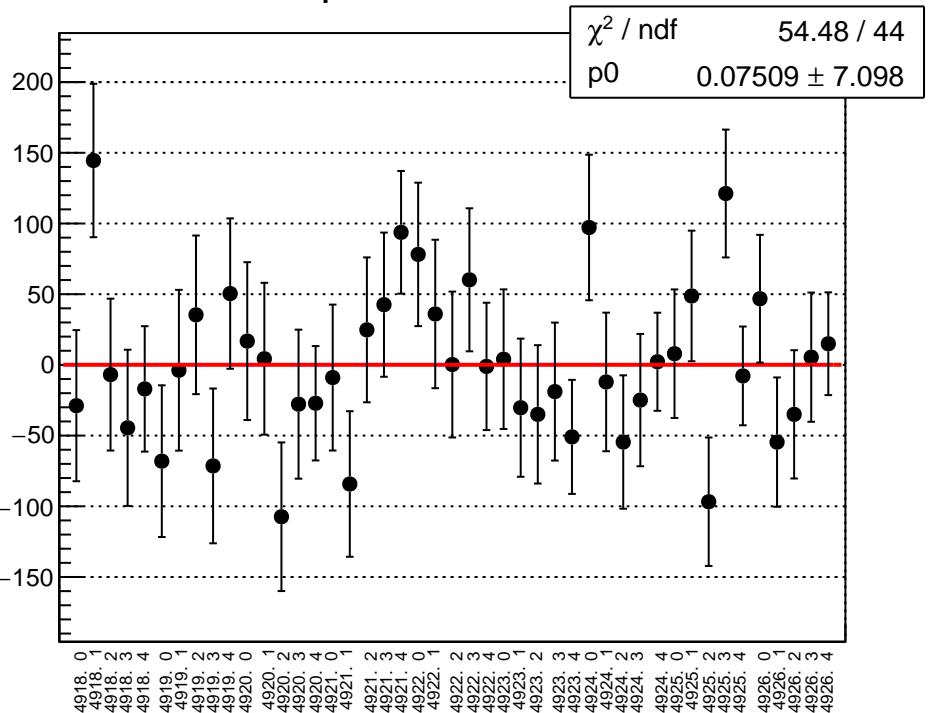
# diff\_bpm1Y\_mean vs run



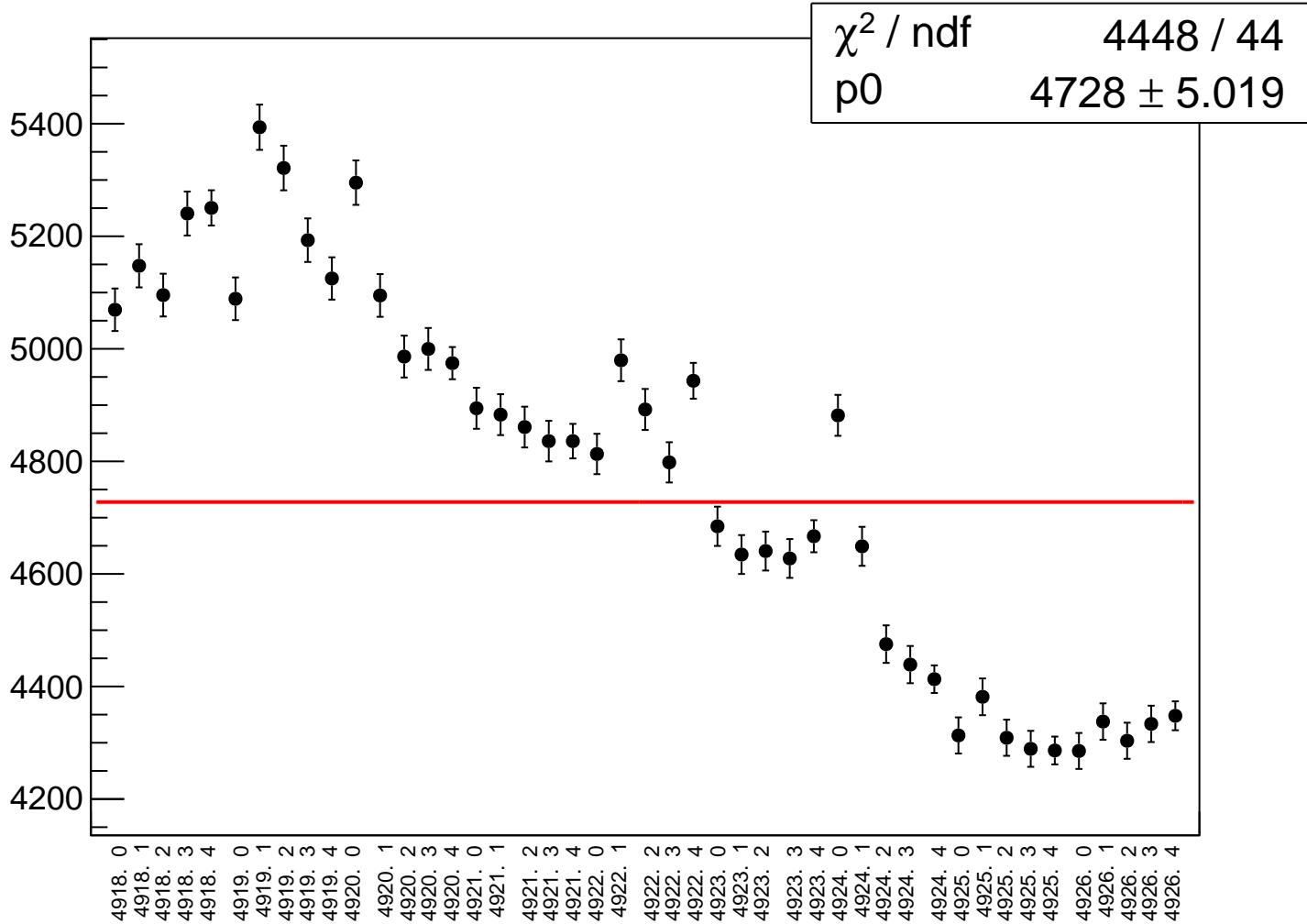
# diff\_bpm1Y\_rms vs run



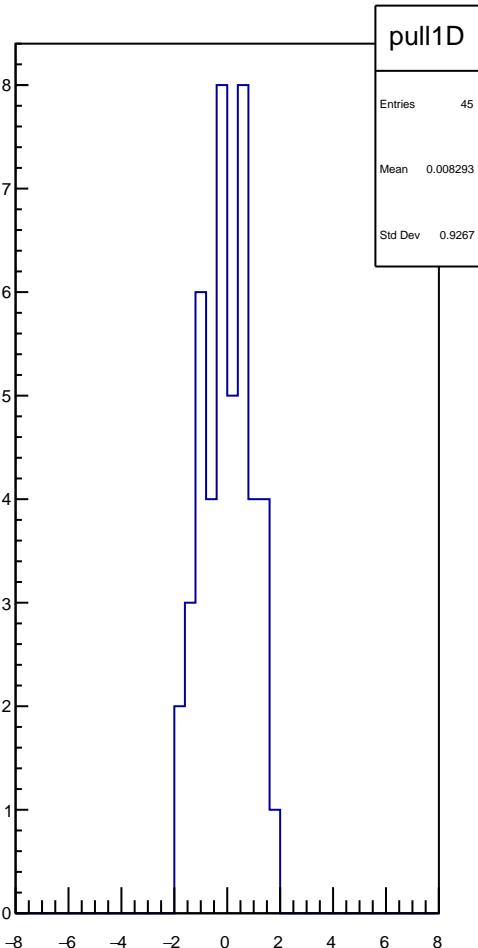
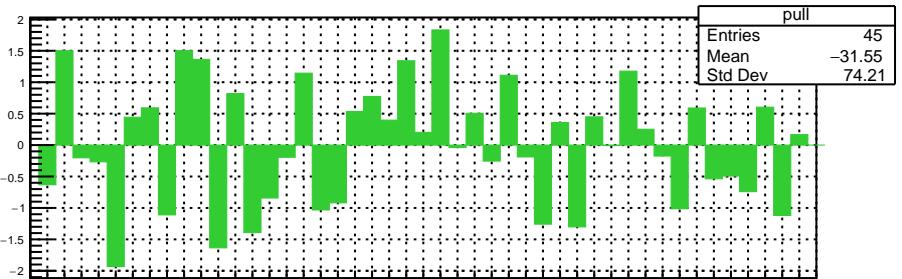
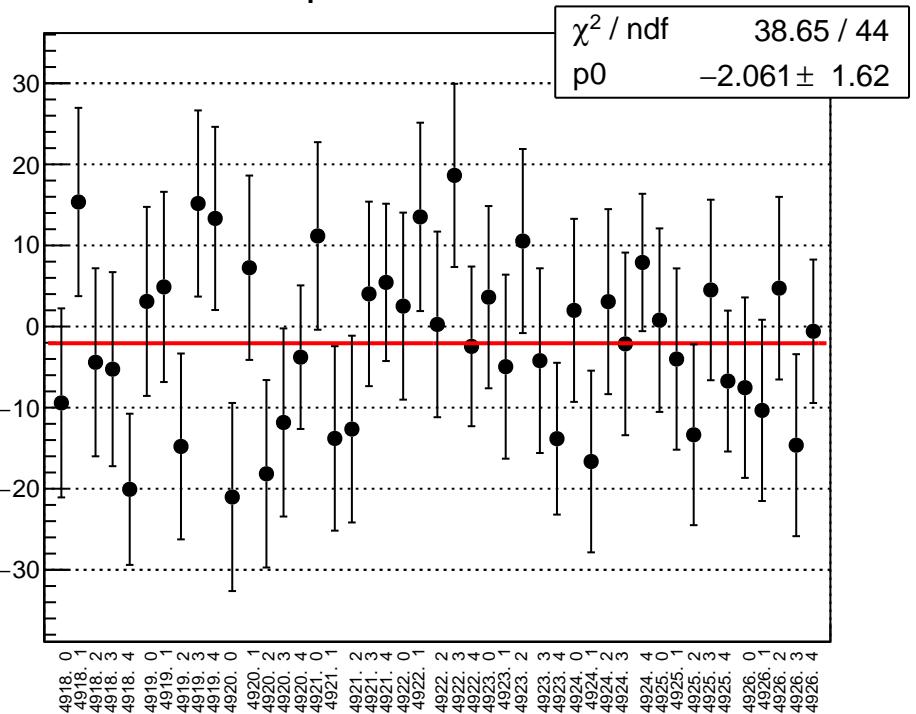
# diff\_bpm11X\_mean vs run



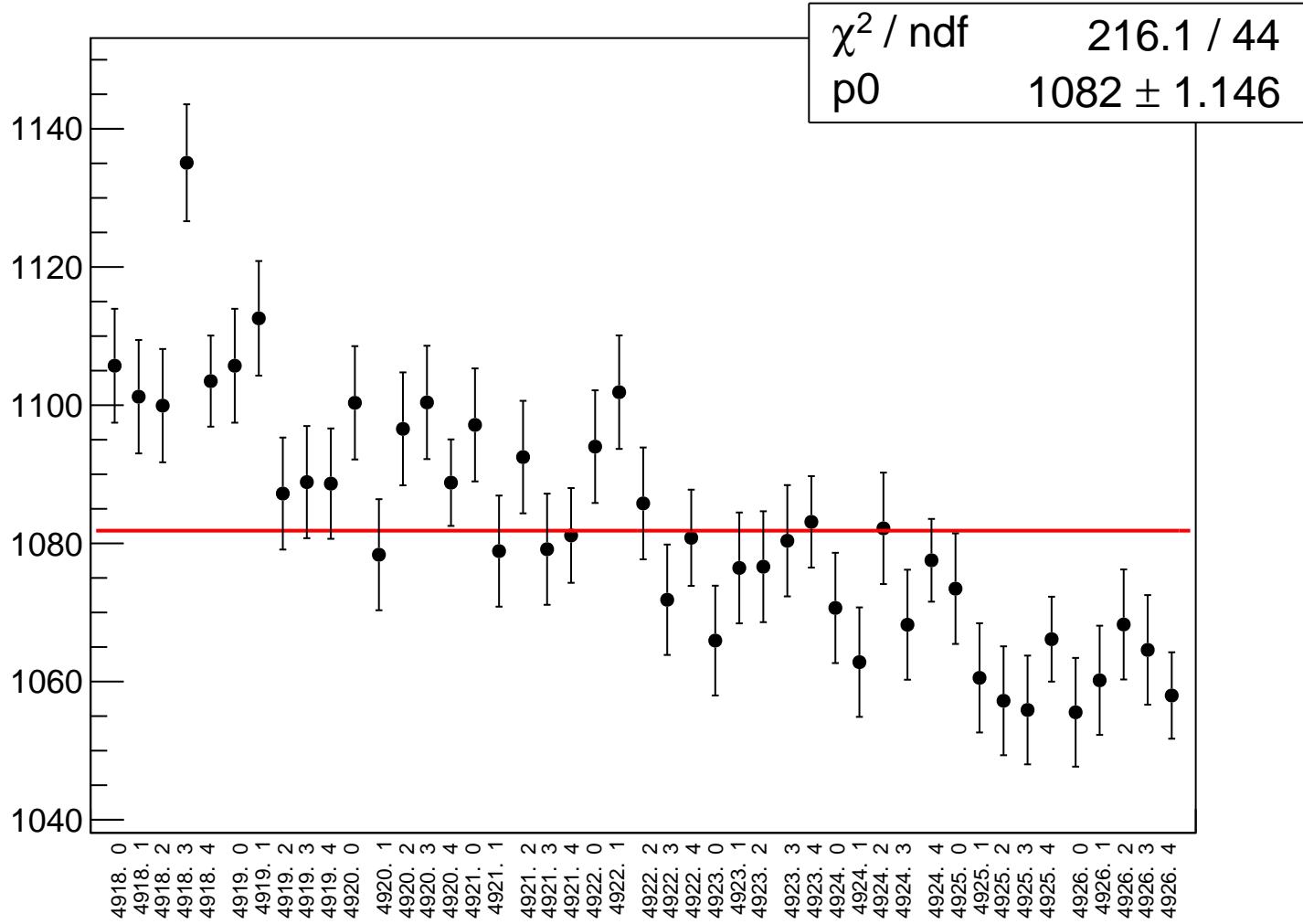
# diff\_bpm11X\_rms vs run



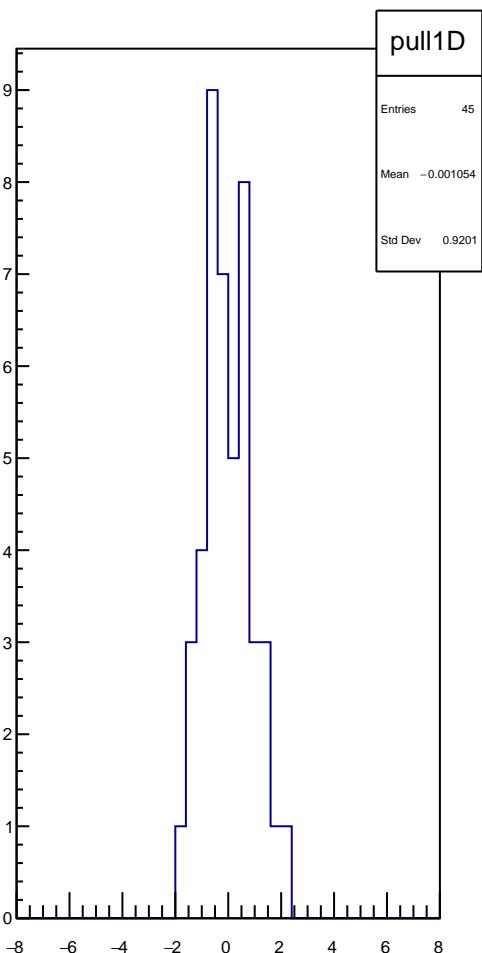
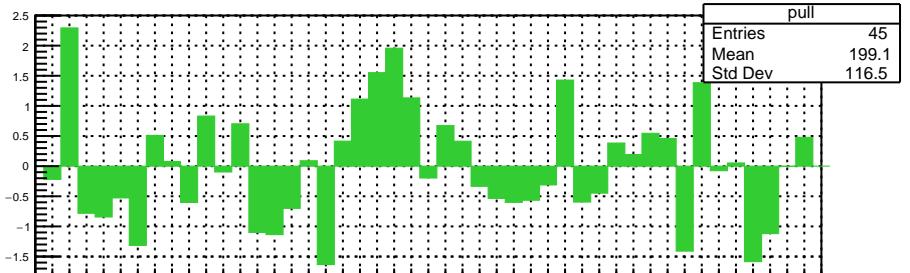
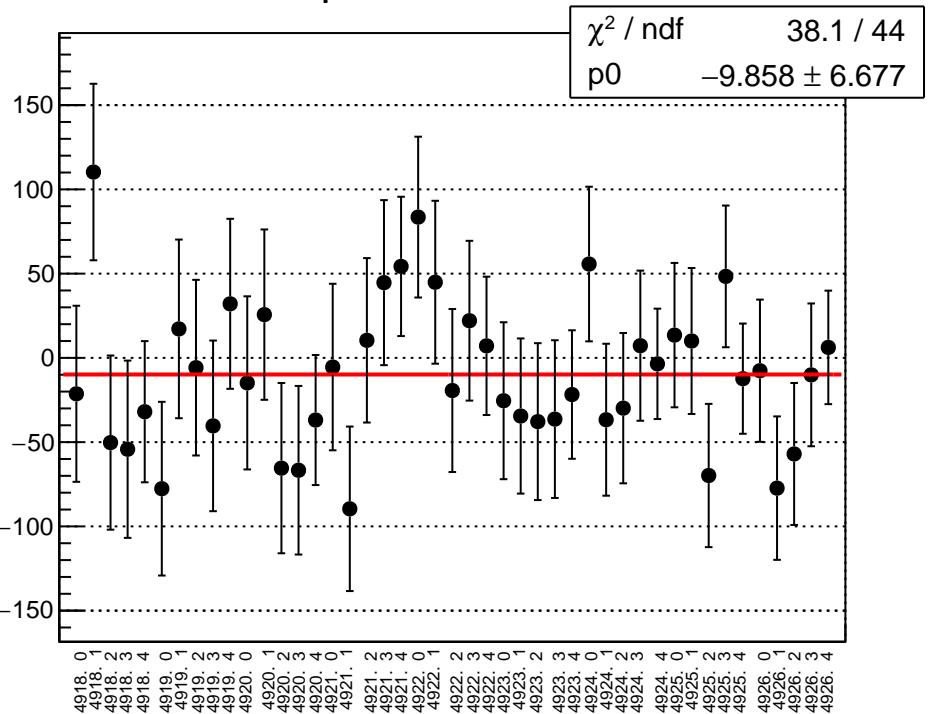
# diff\_bpm11Y\_mean vs run



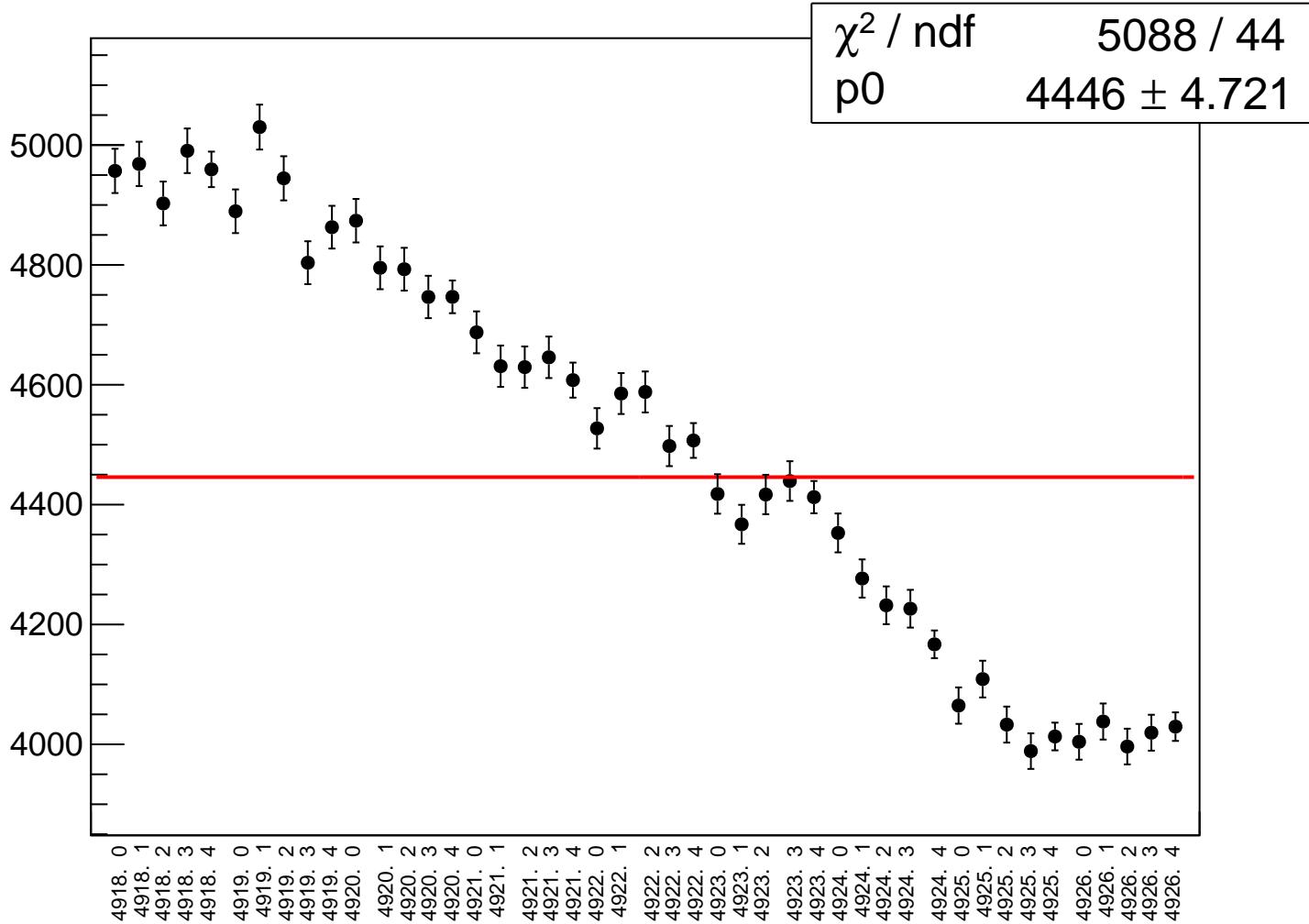
# diff\_bpm11Y\_rms vs run



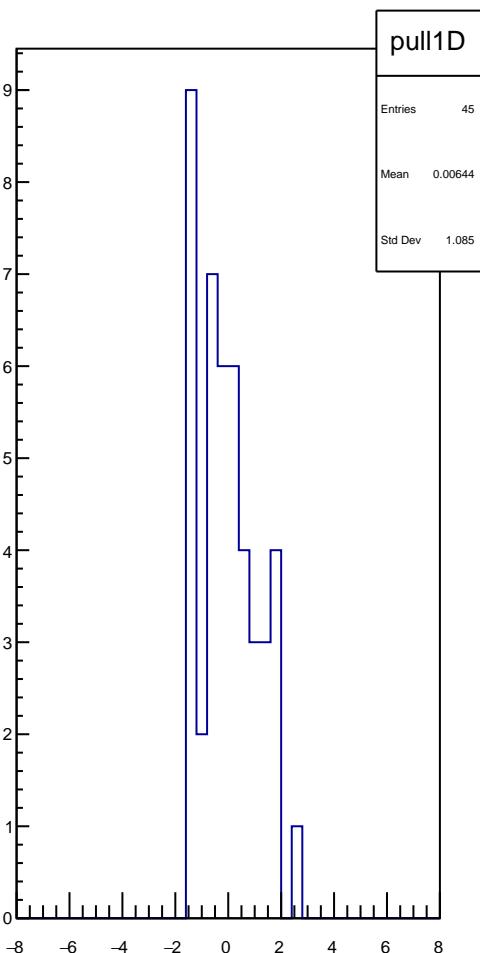
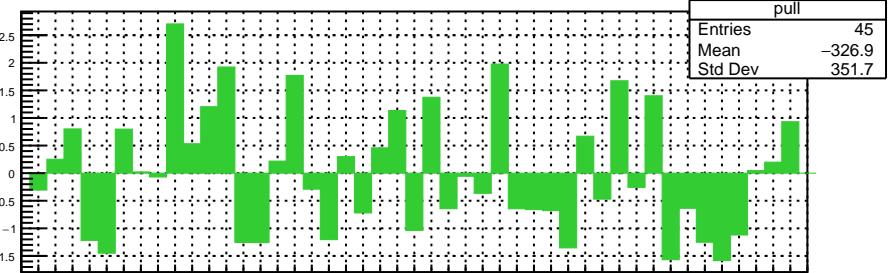
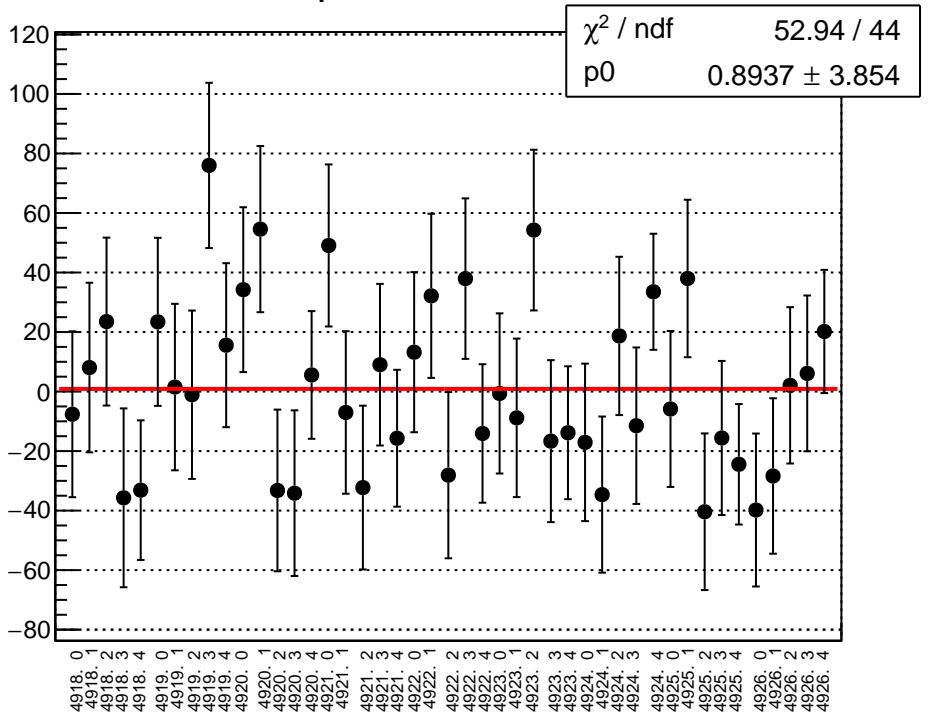
# diff\_bpm12X\_mean vs run



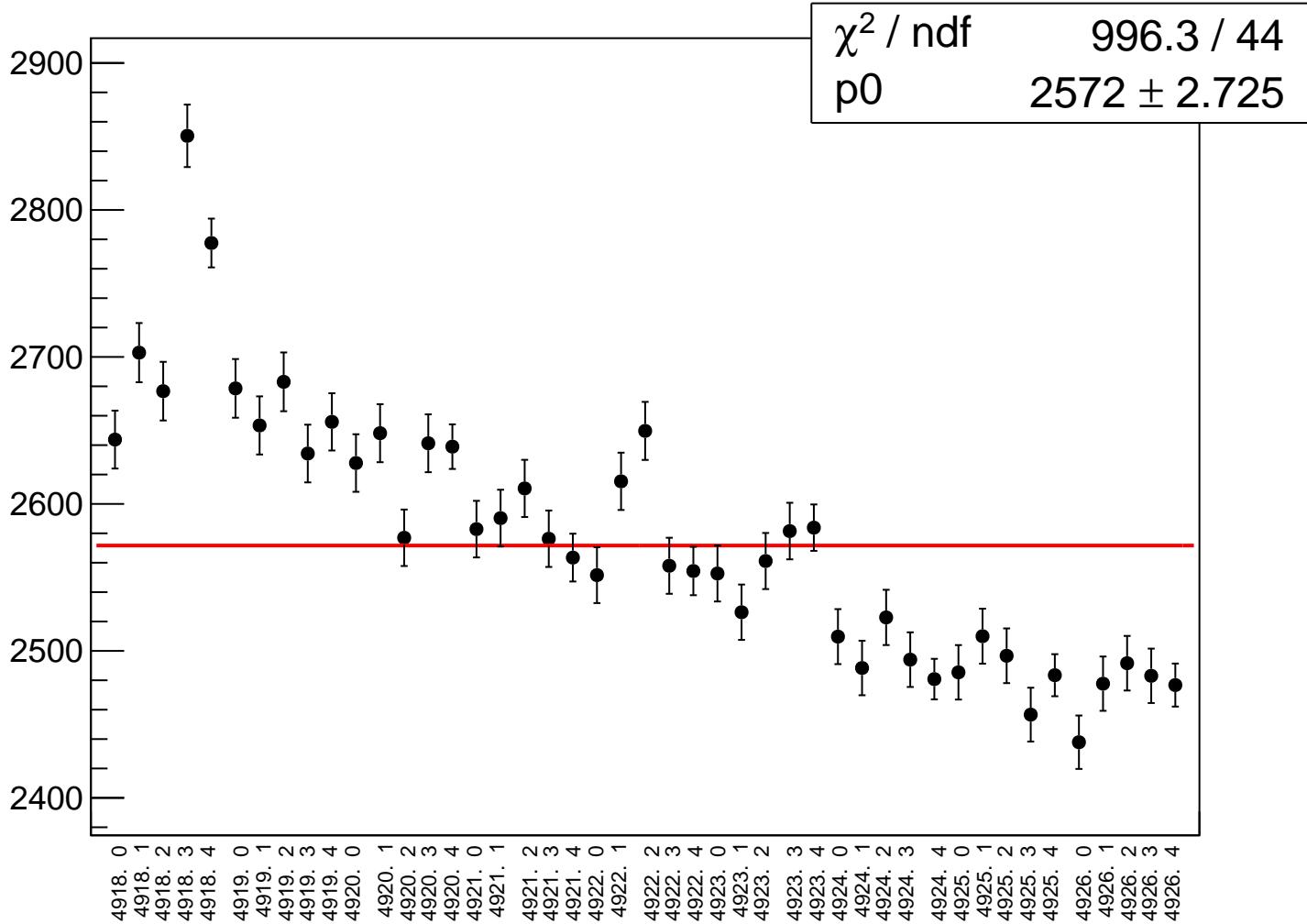
# diff\_bpm12X\_rms vs run



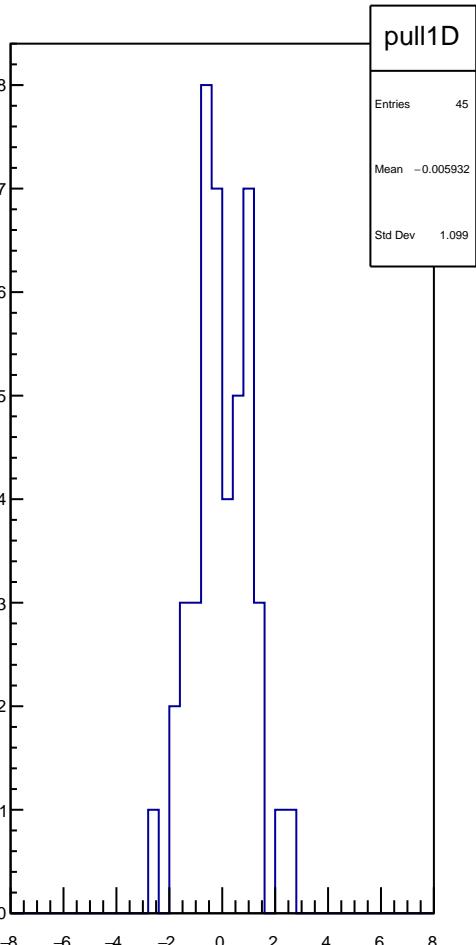
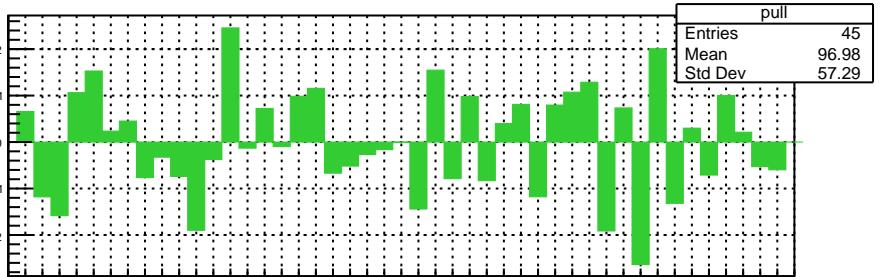
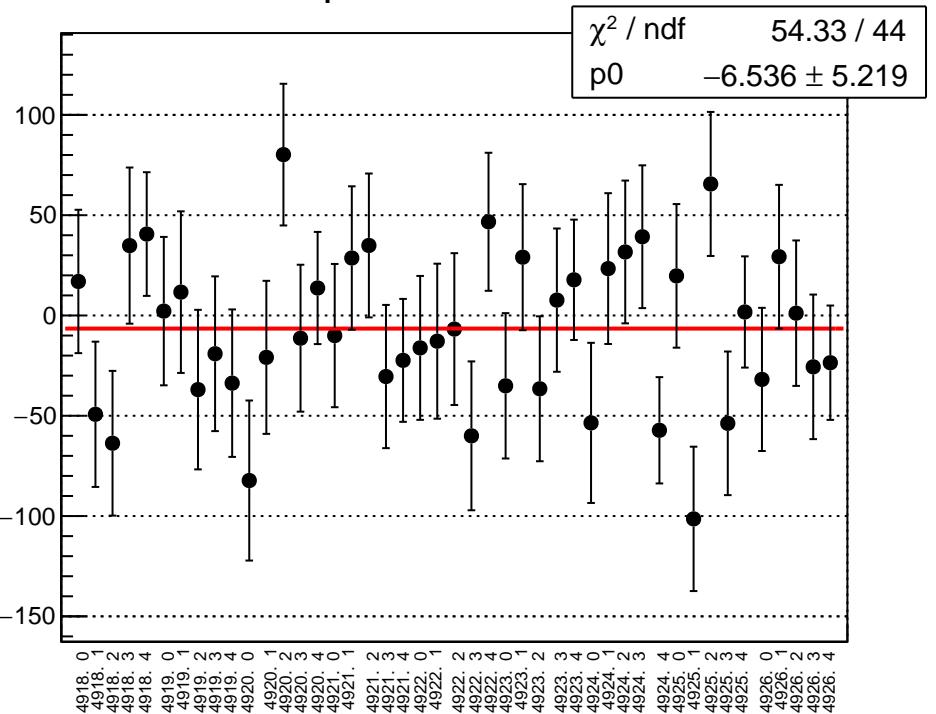
# diff\_bpm12Y\_mean vs run



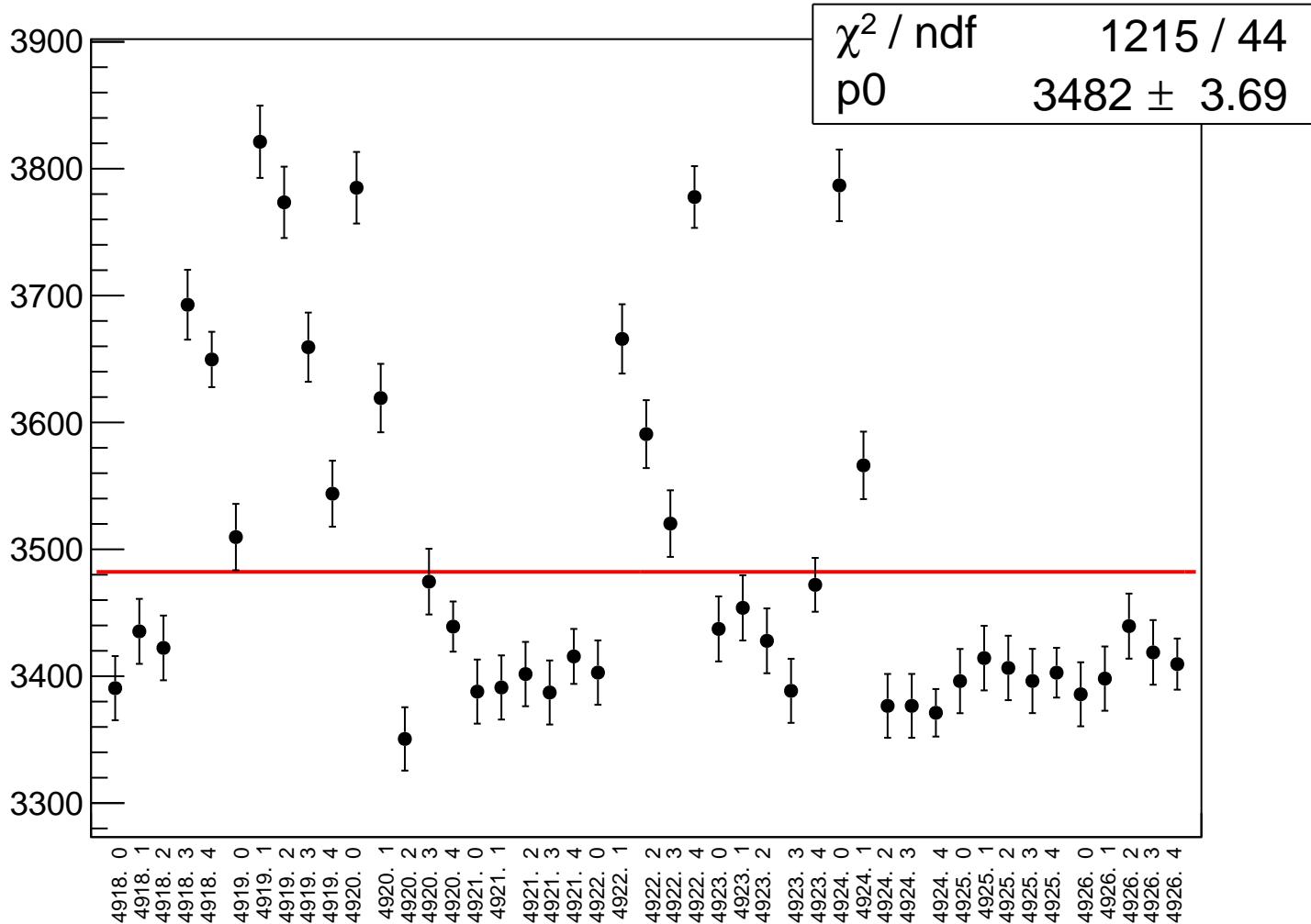
# diff\_bpm12Y\_rms vs run



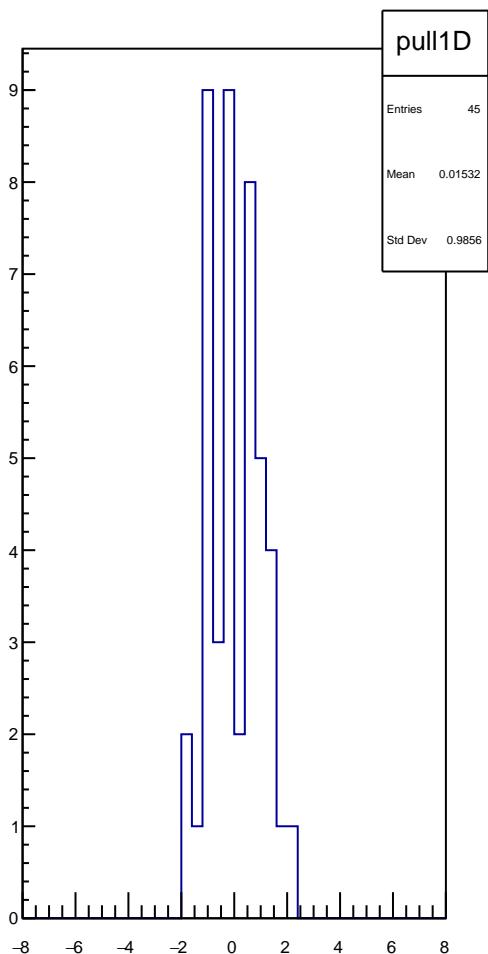
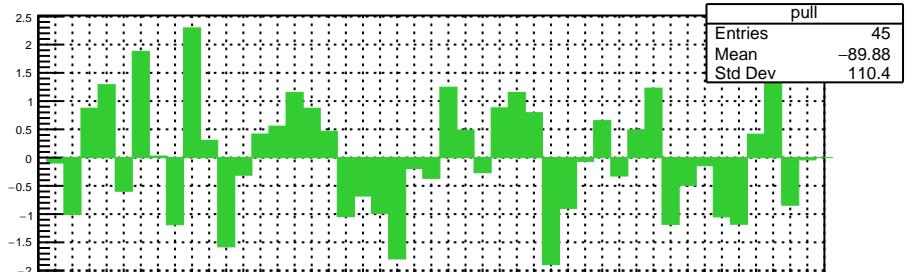
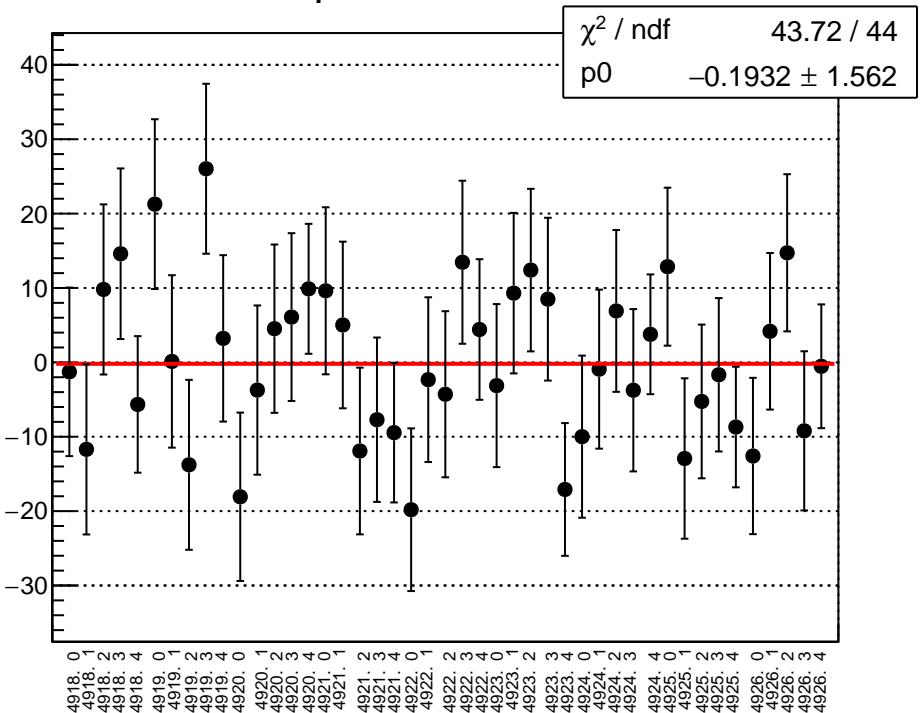
# diff\_bpm16X\_mean vs run



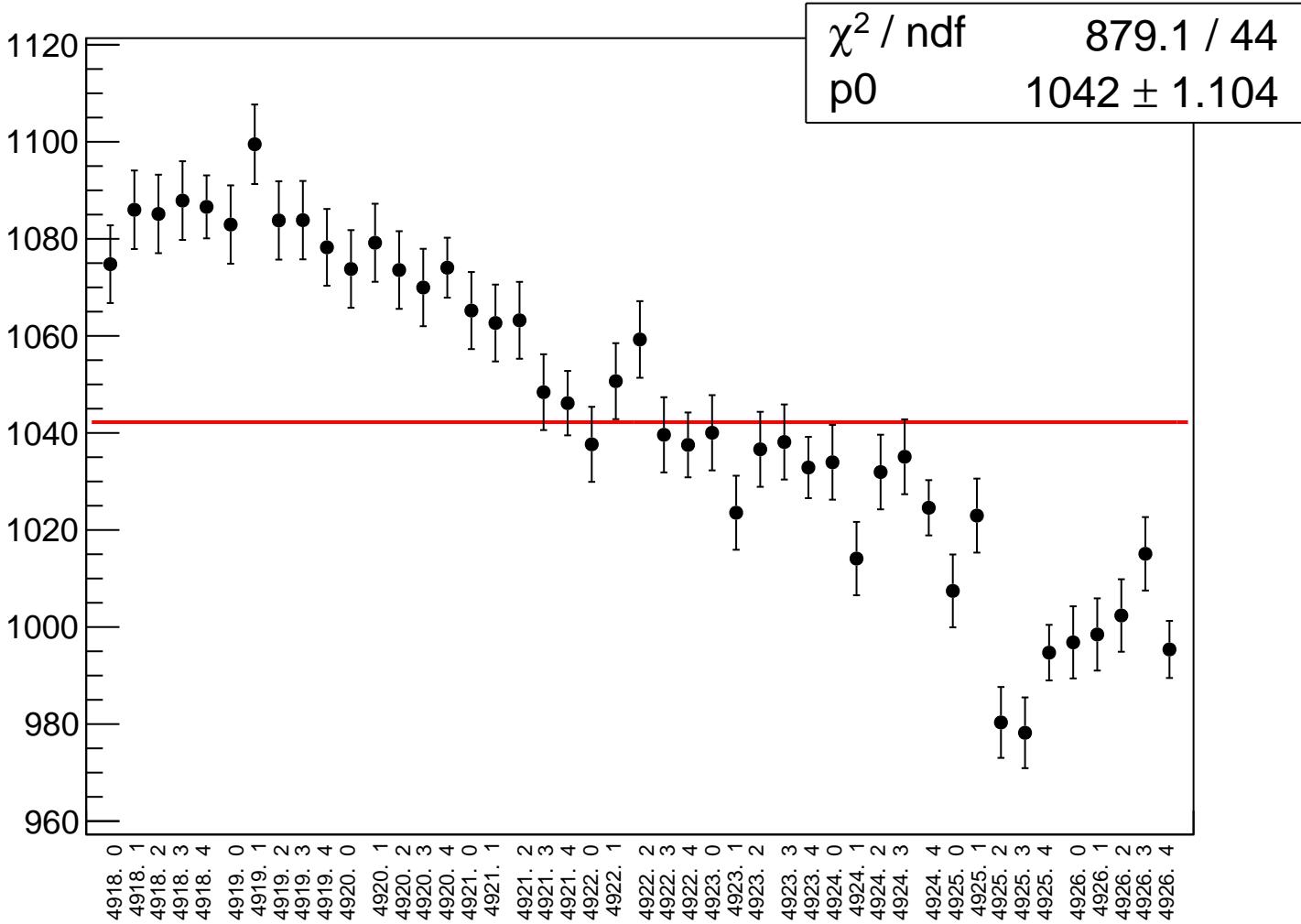
# diff\_bpm16X\_rms vs run



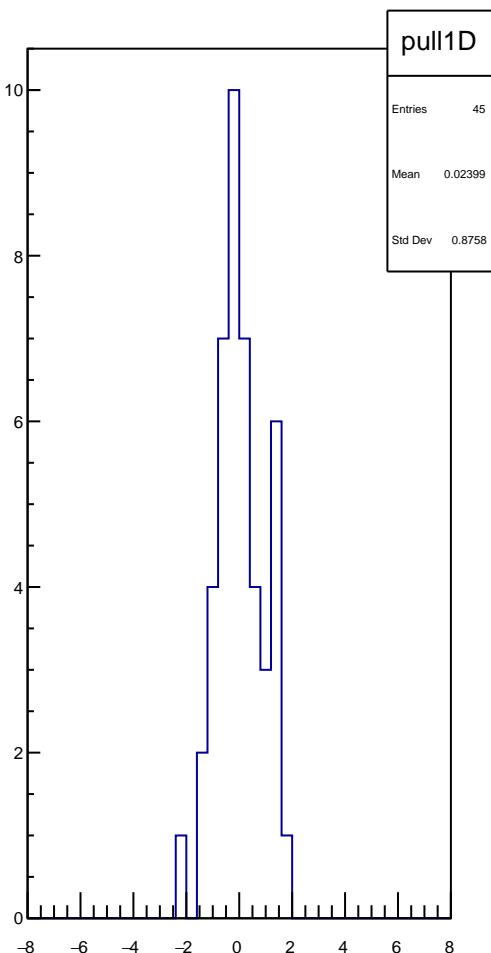
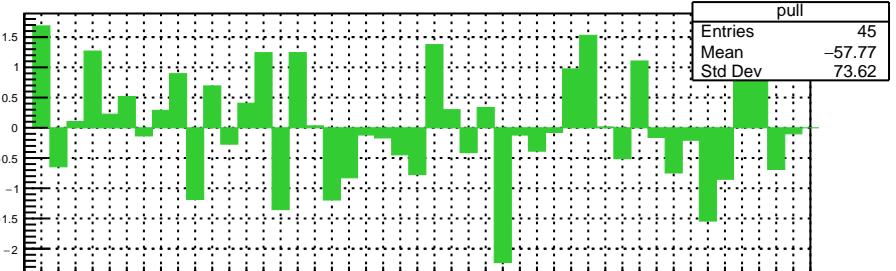
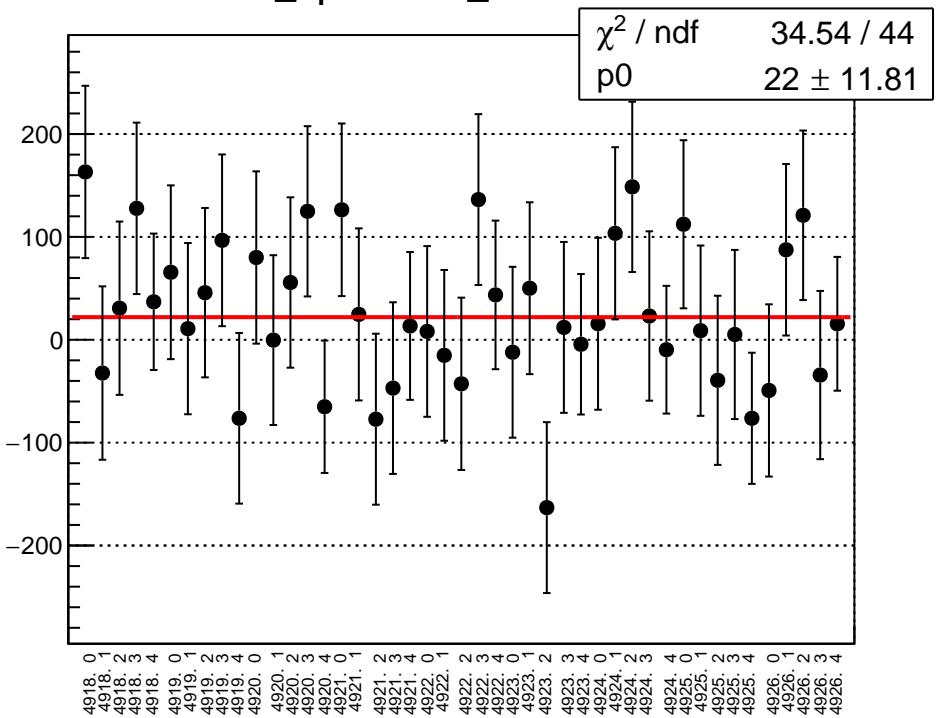
# diff\_bpm16Y\_mean vs run



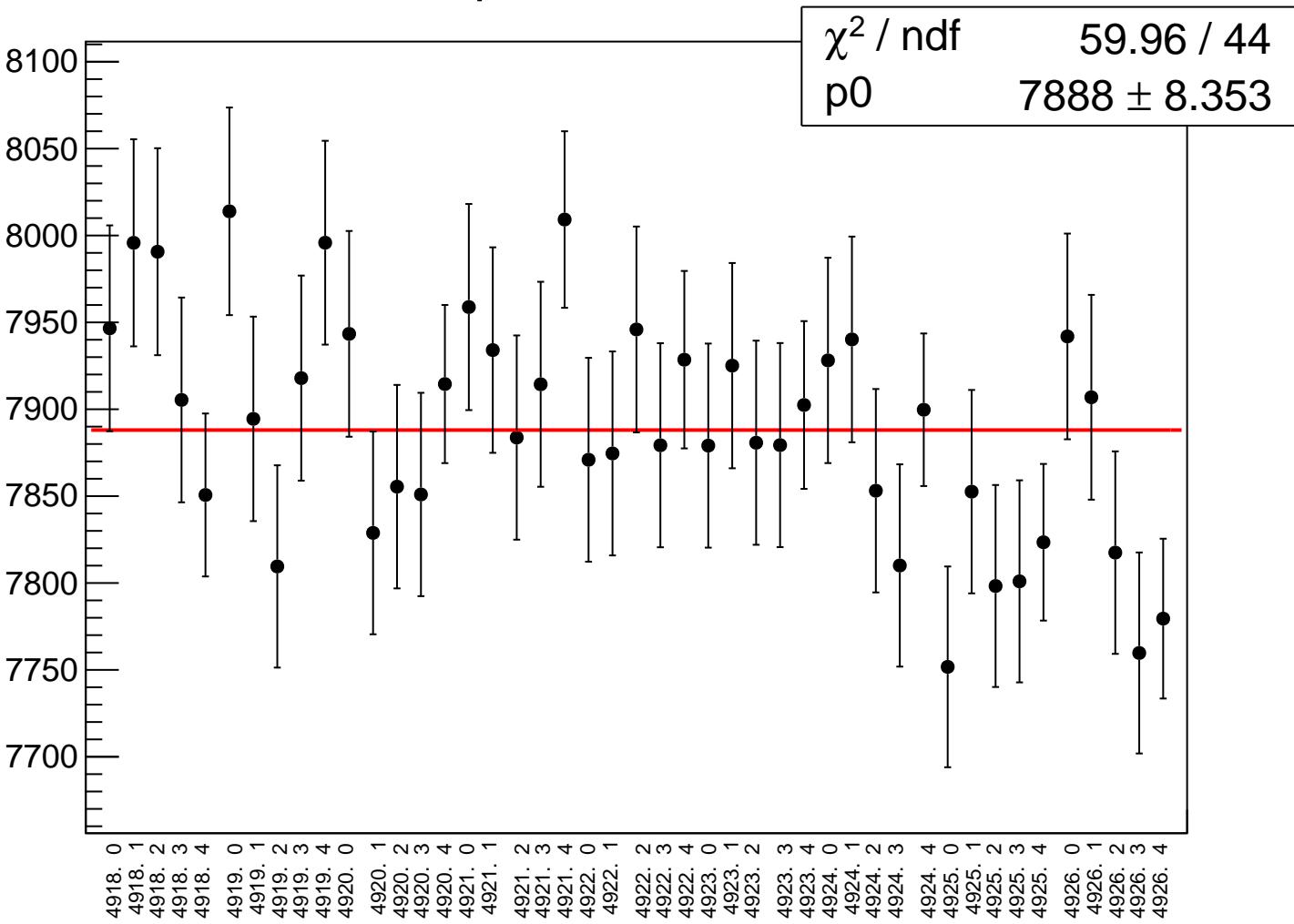
# diff\_bpm16Y\_rms vs run



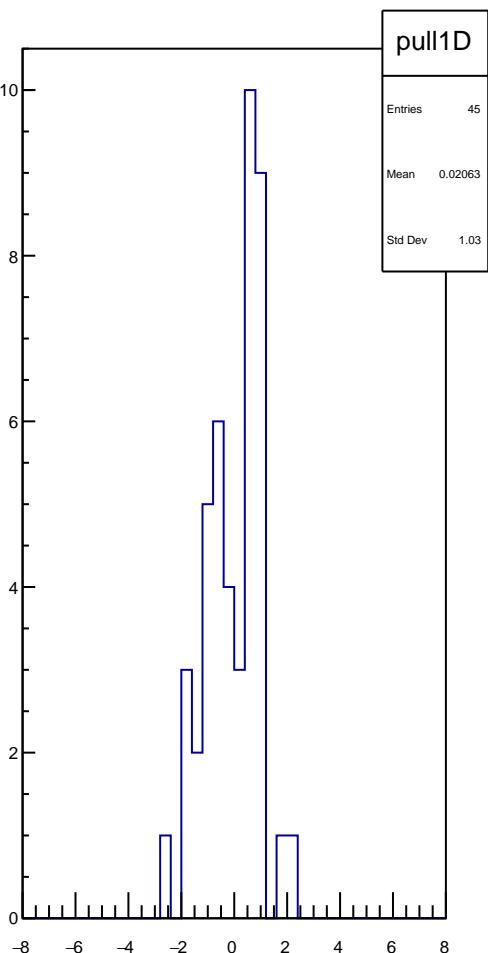
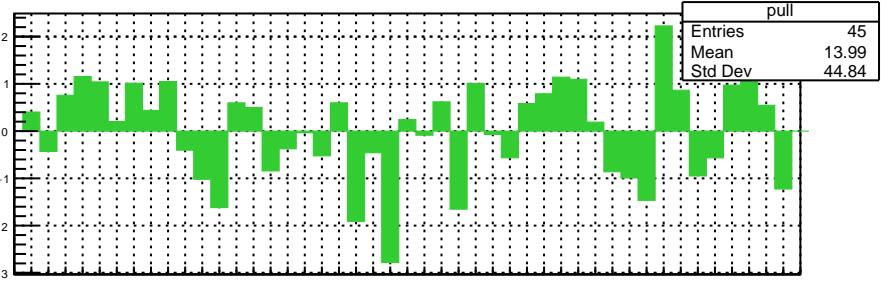
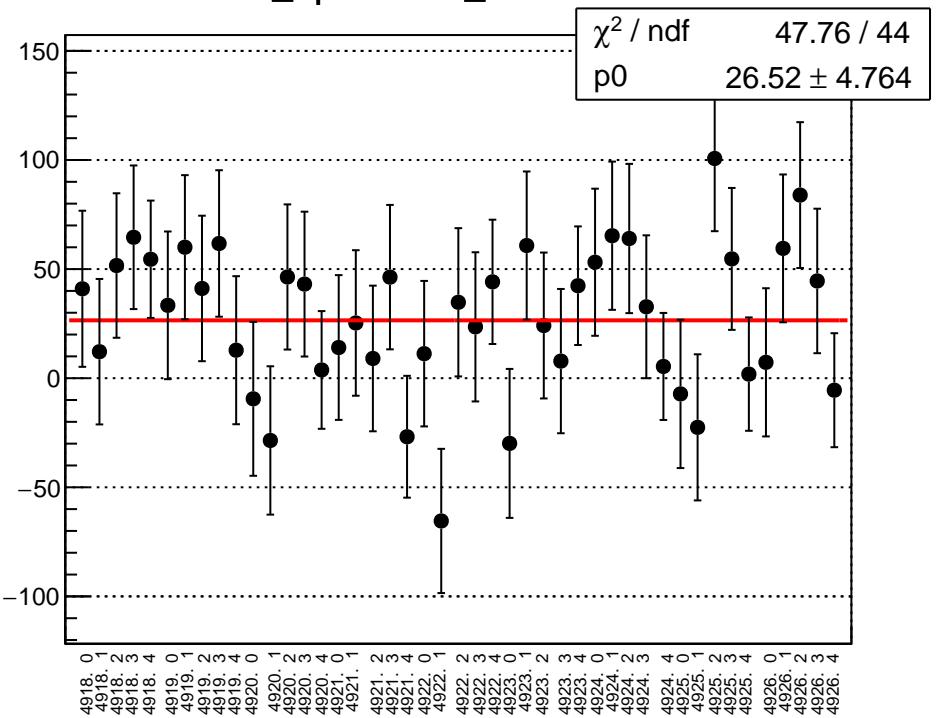
# diff\_bpm0l01X\_mean vs run



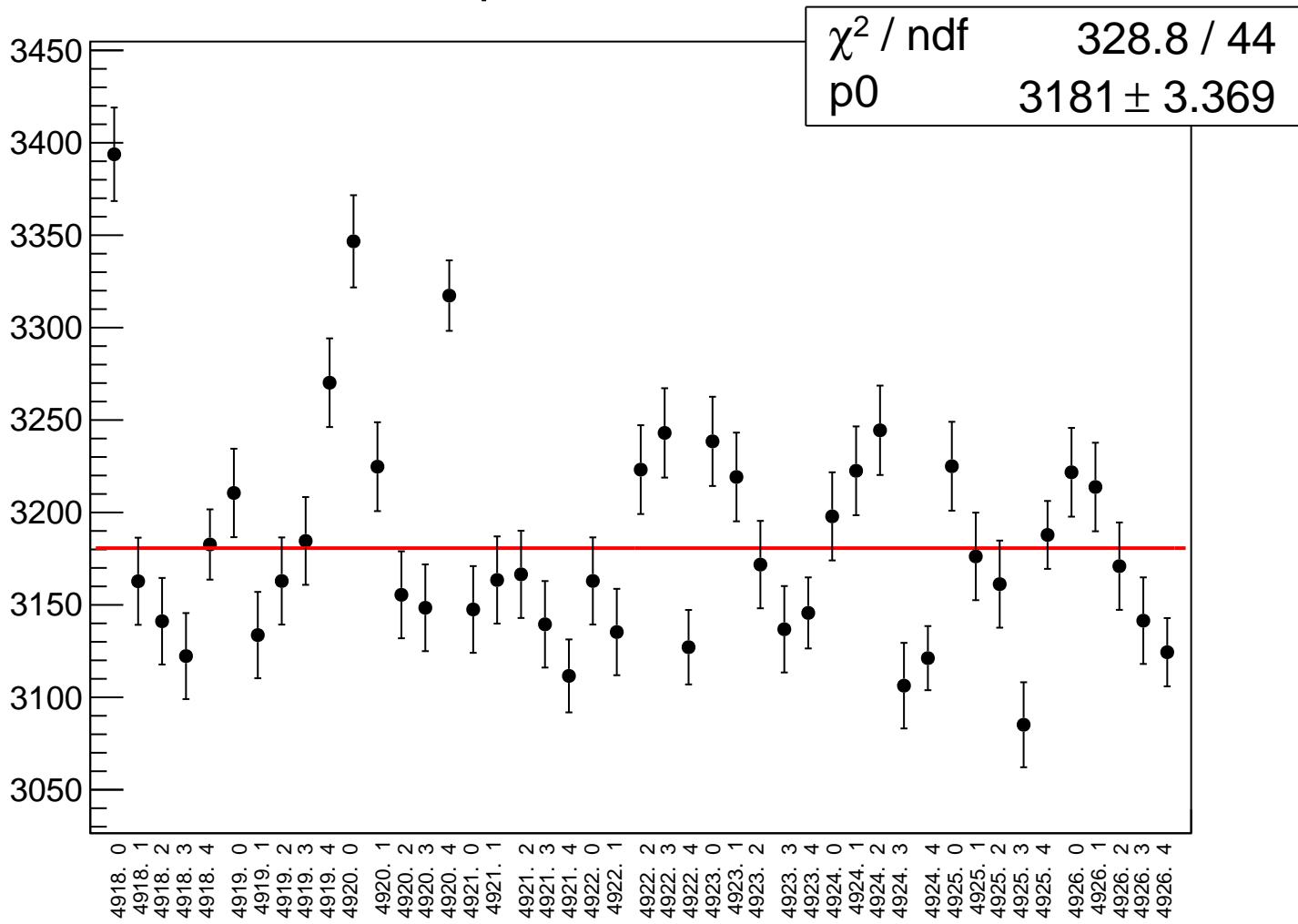
# diff\_bpm0I01X\_rms vs run



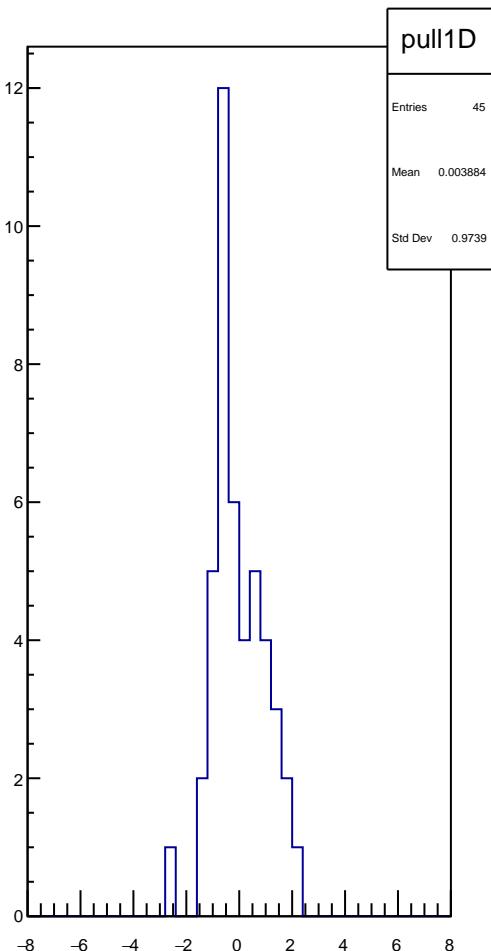
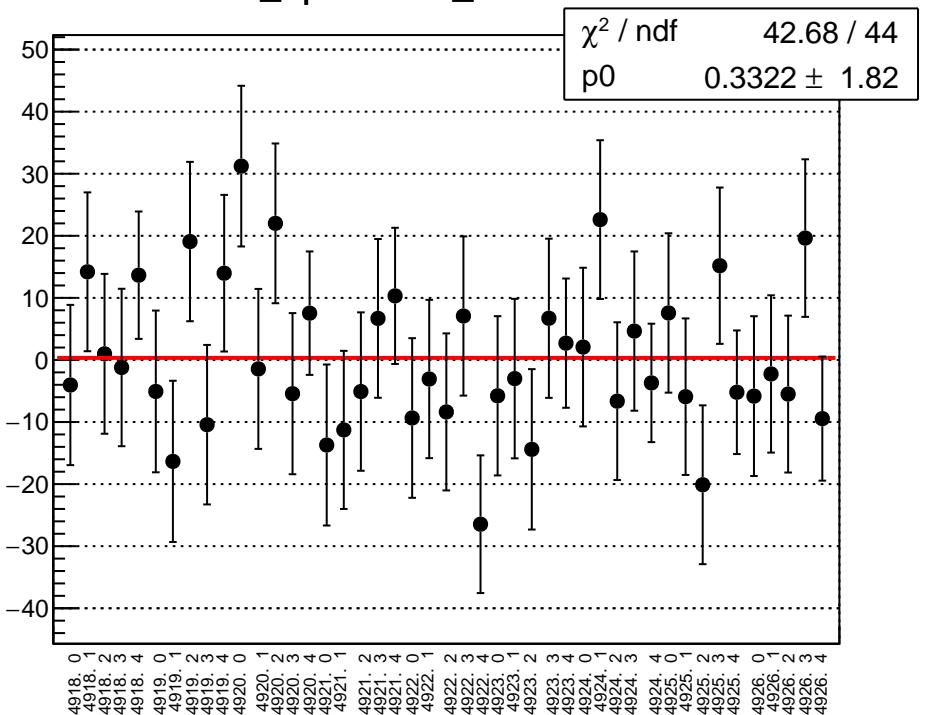
# diff\_bpm0l01Y\_mean vs run



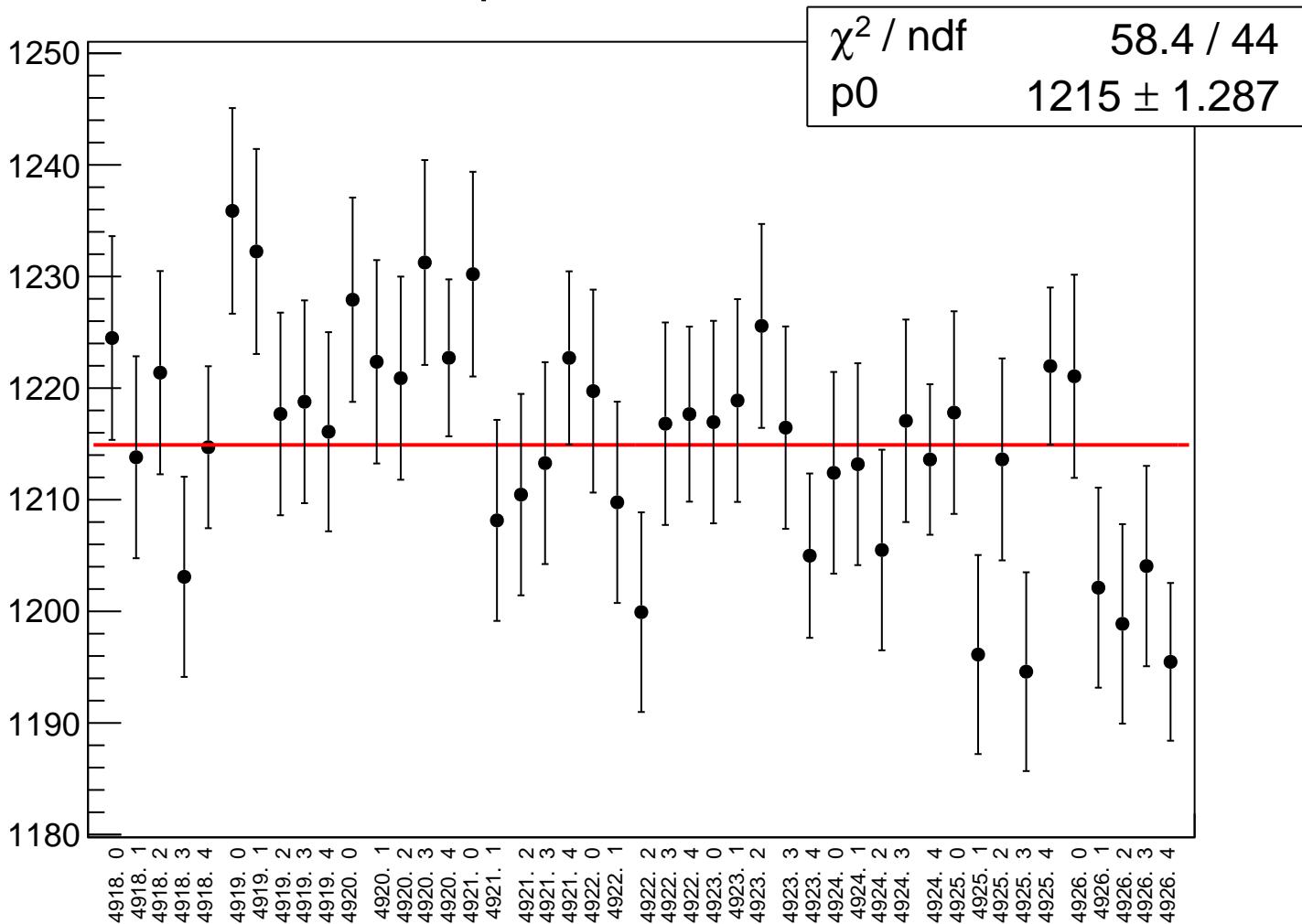
# diff\_bpm0I01Y\_rms vs run



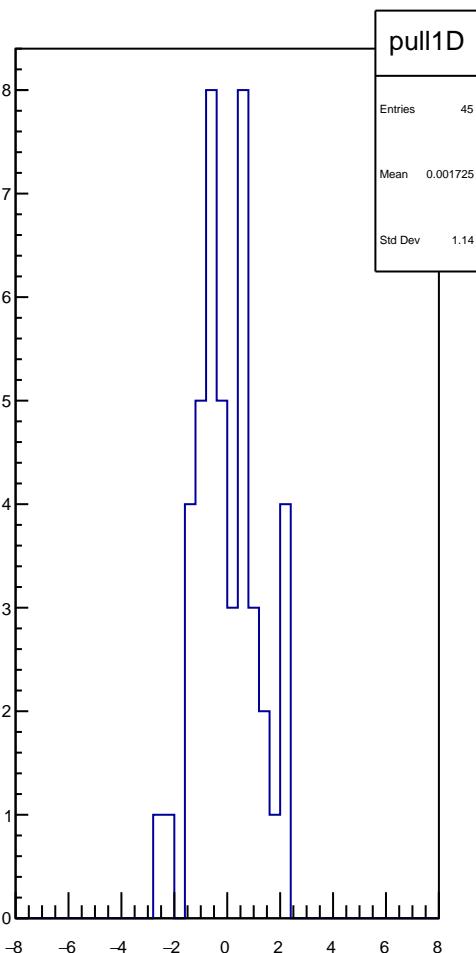
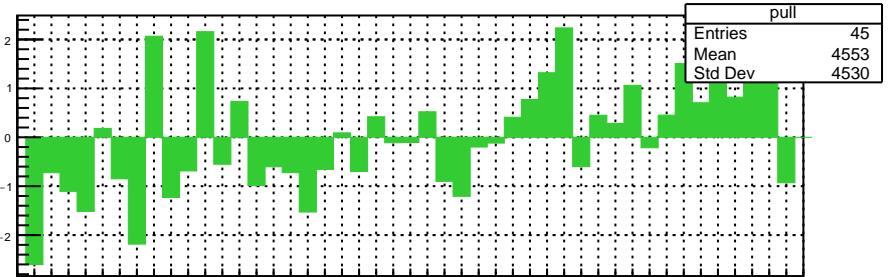
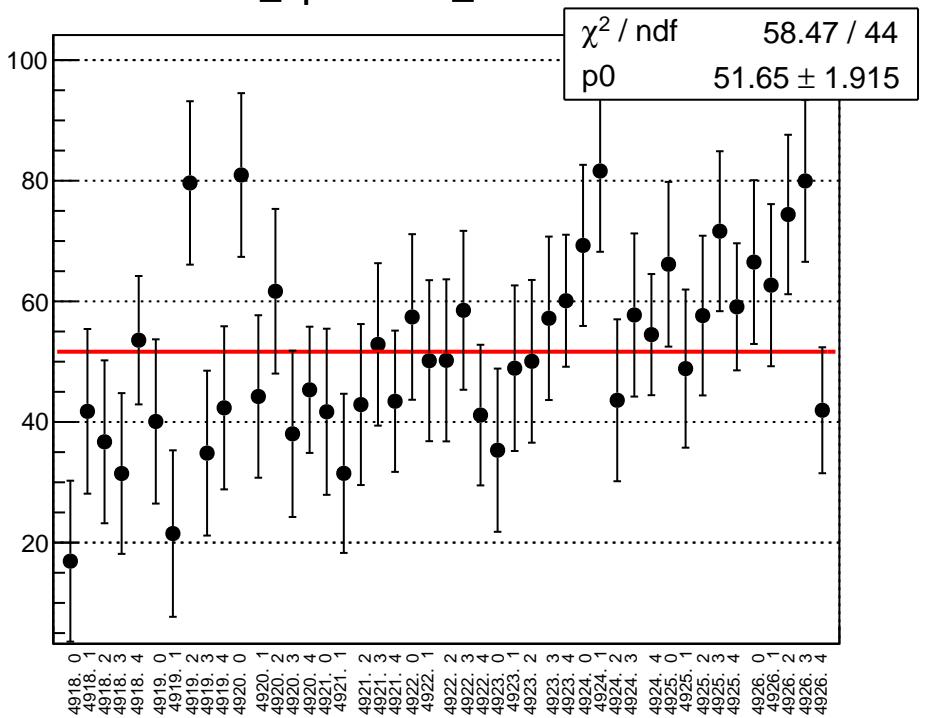
# diff\_bpm2i01X\_mean vs run



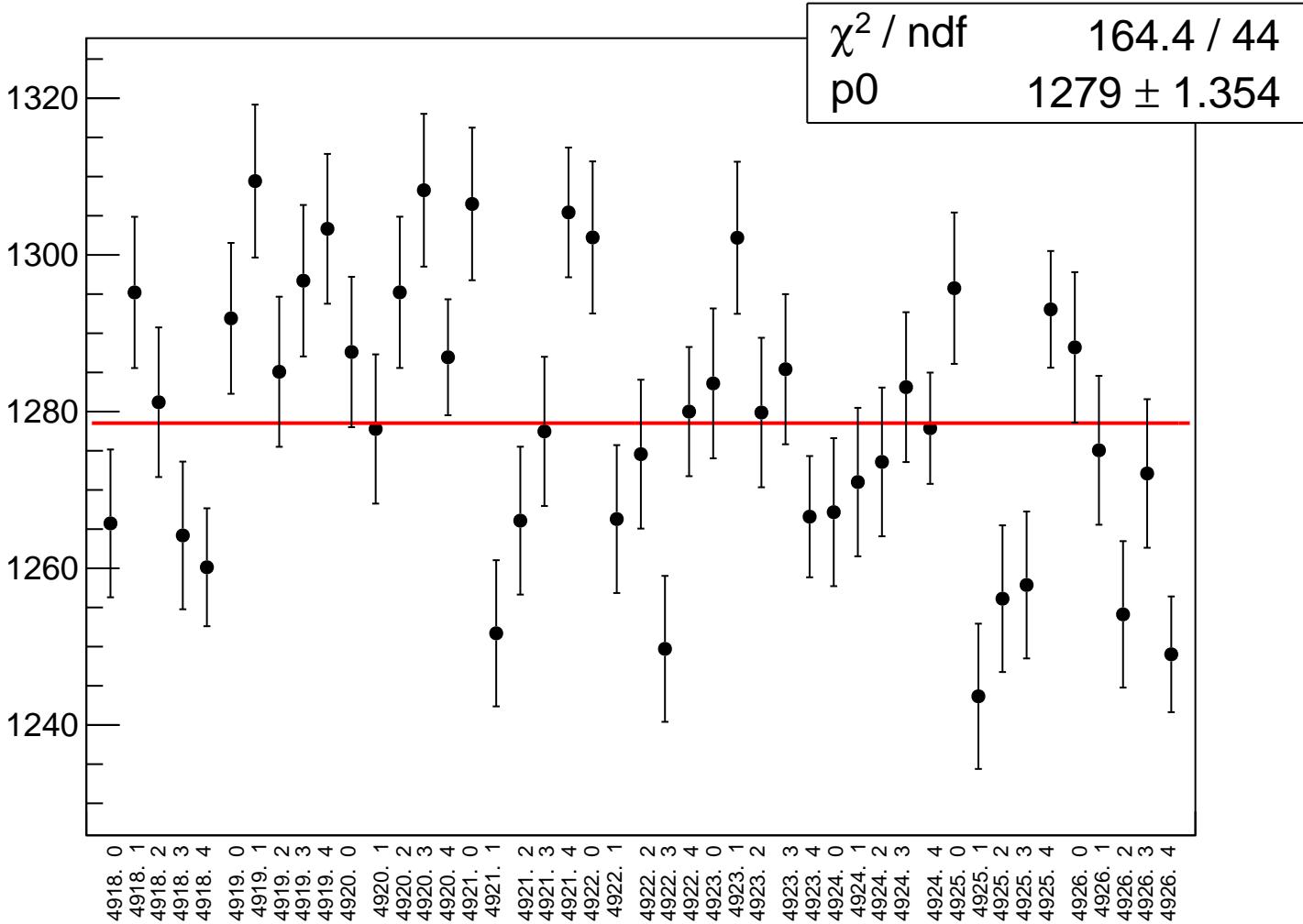
# diff\_bpm2i01X\_rms vs run



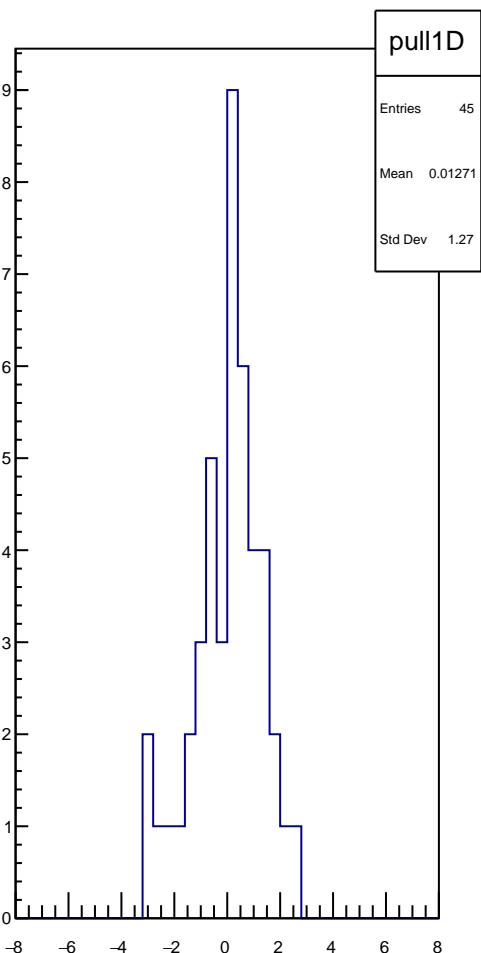
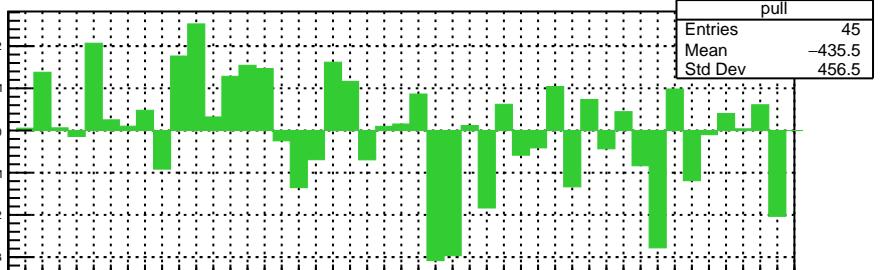
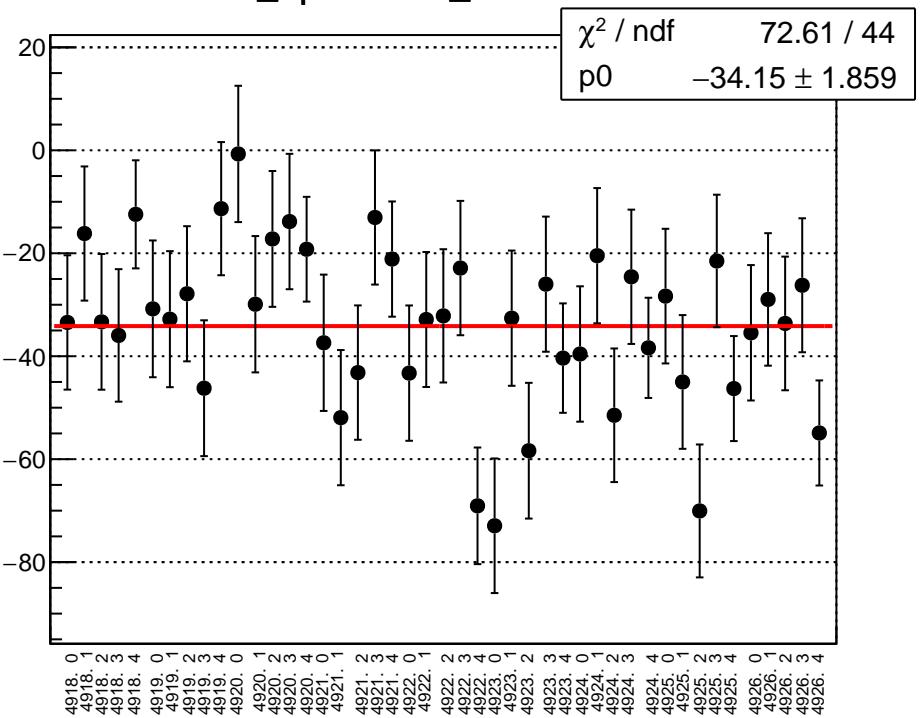
# diff\_bpm2i01Y\_mean vs run



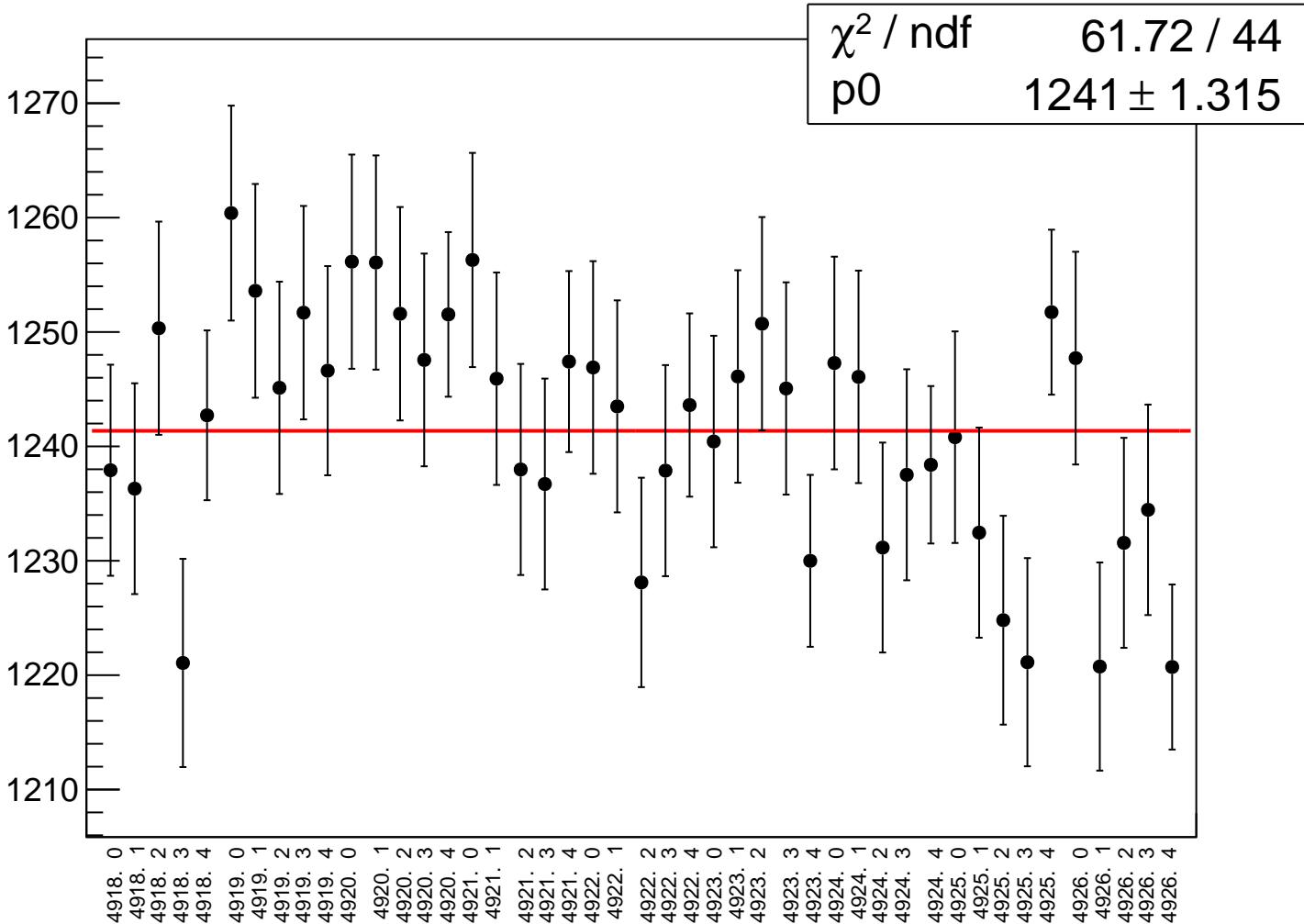
# diff\_bpm2i01Y\_rms vs run



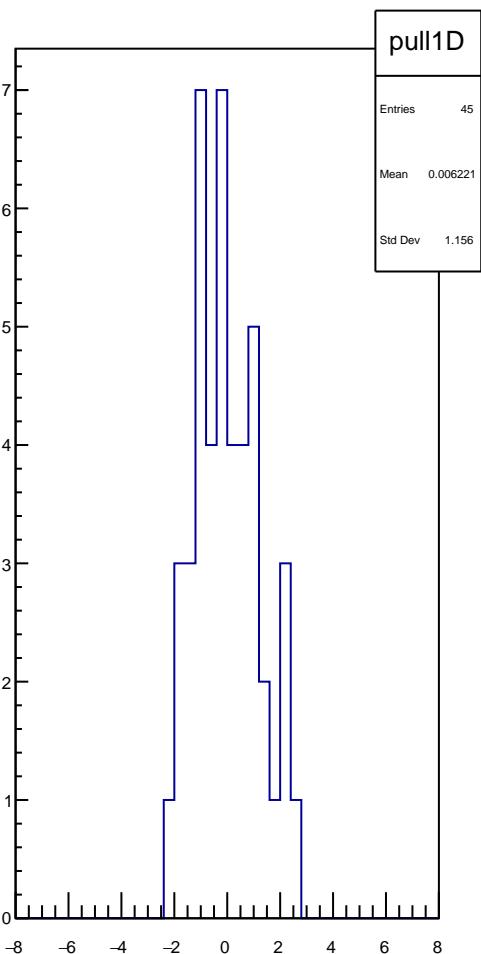
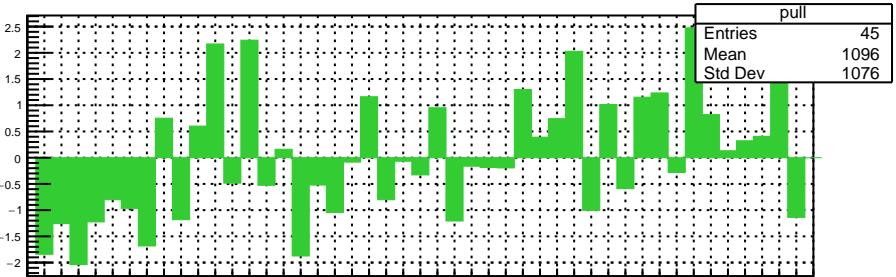
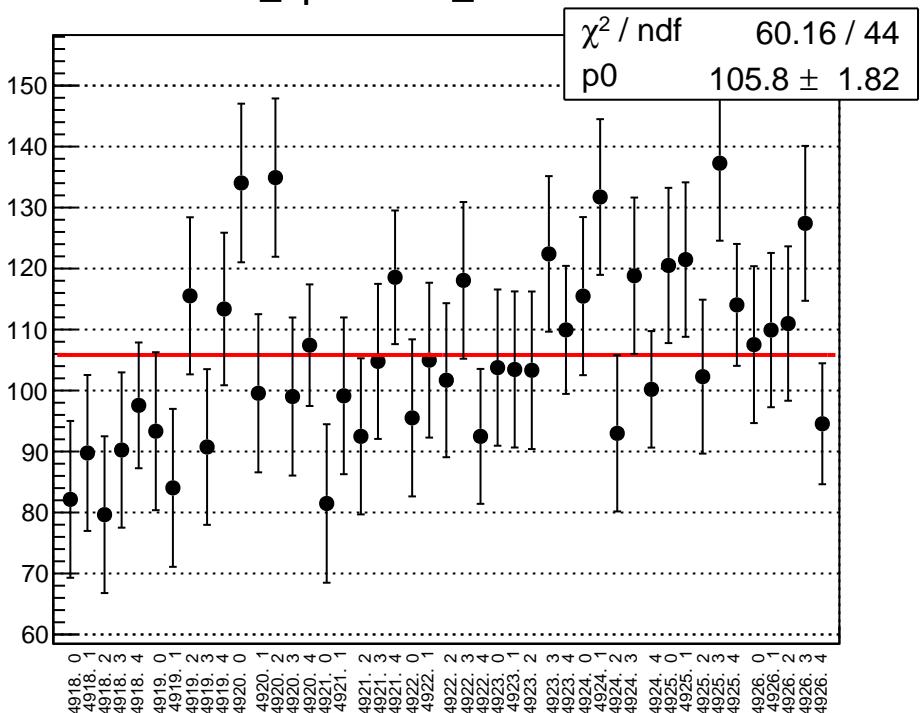
# diff\_bpm2i02X\_mean vs run



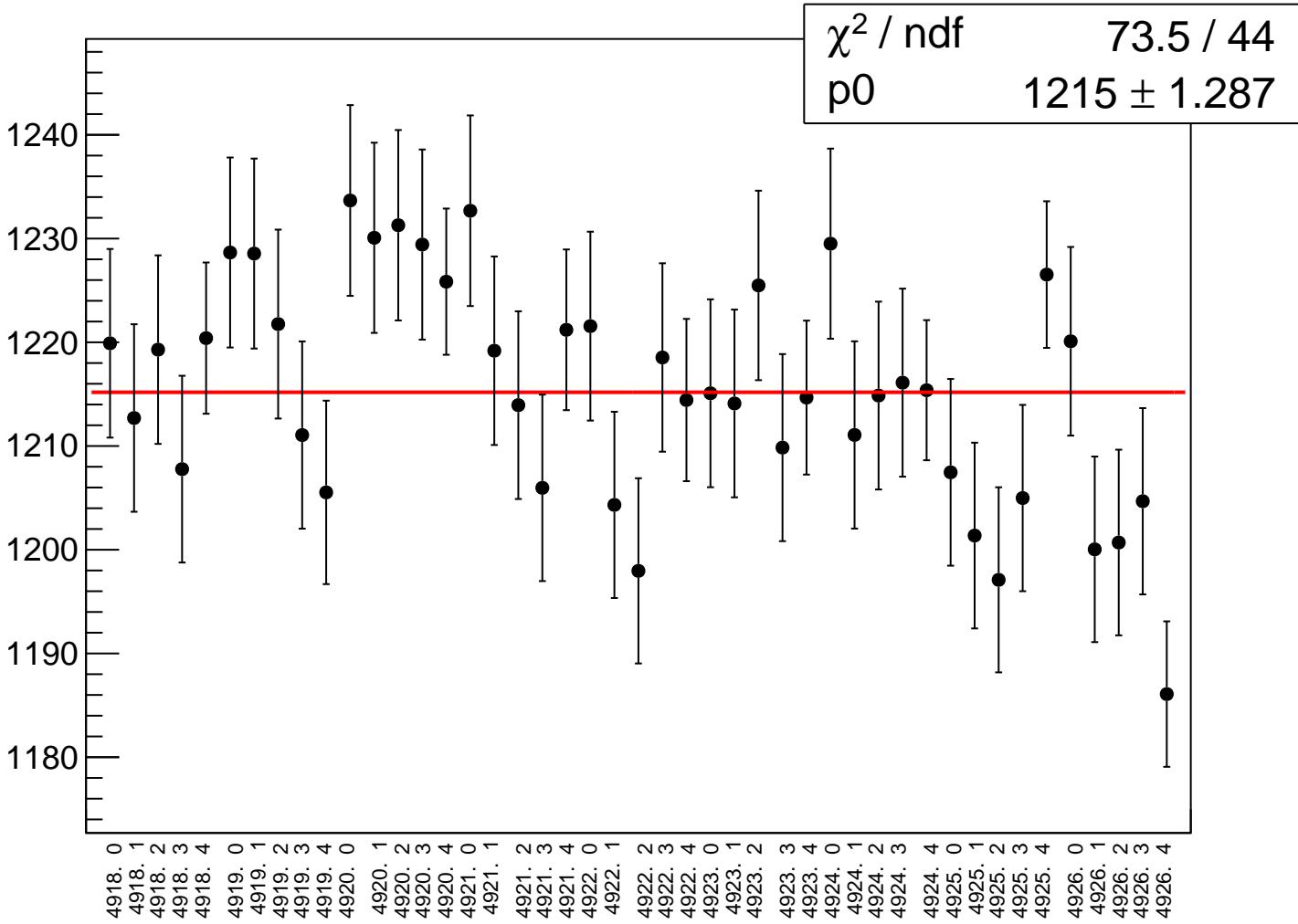
# diff\_bpm2i02X\_rms vs run



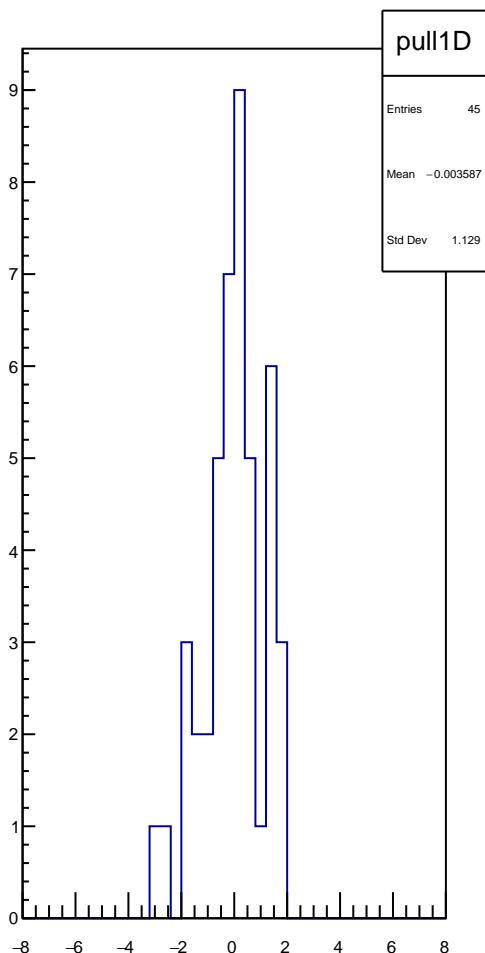
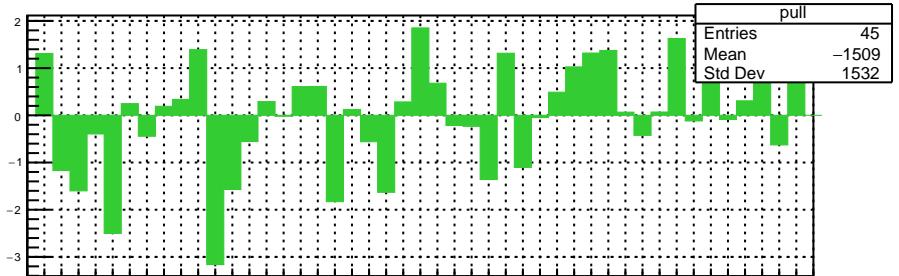
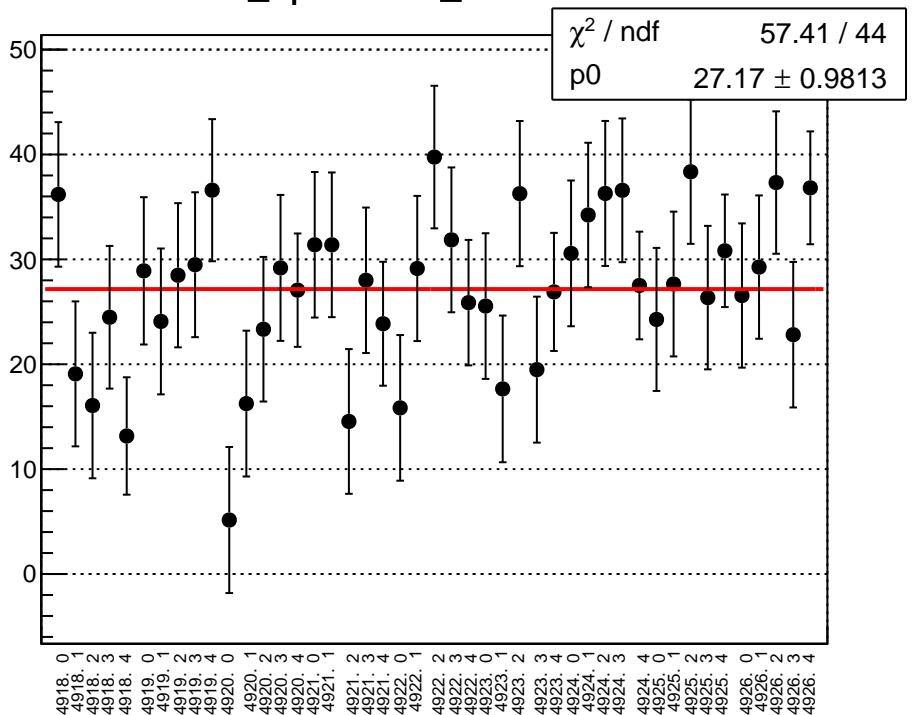
# diff\_bpm2i02Y\_mean vs run



# diff\_bpm2i02Y\_rms vs run



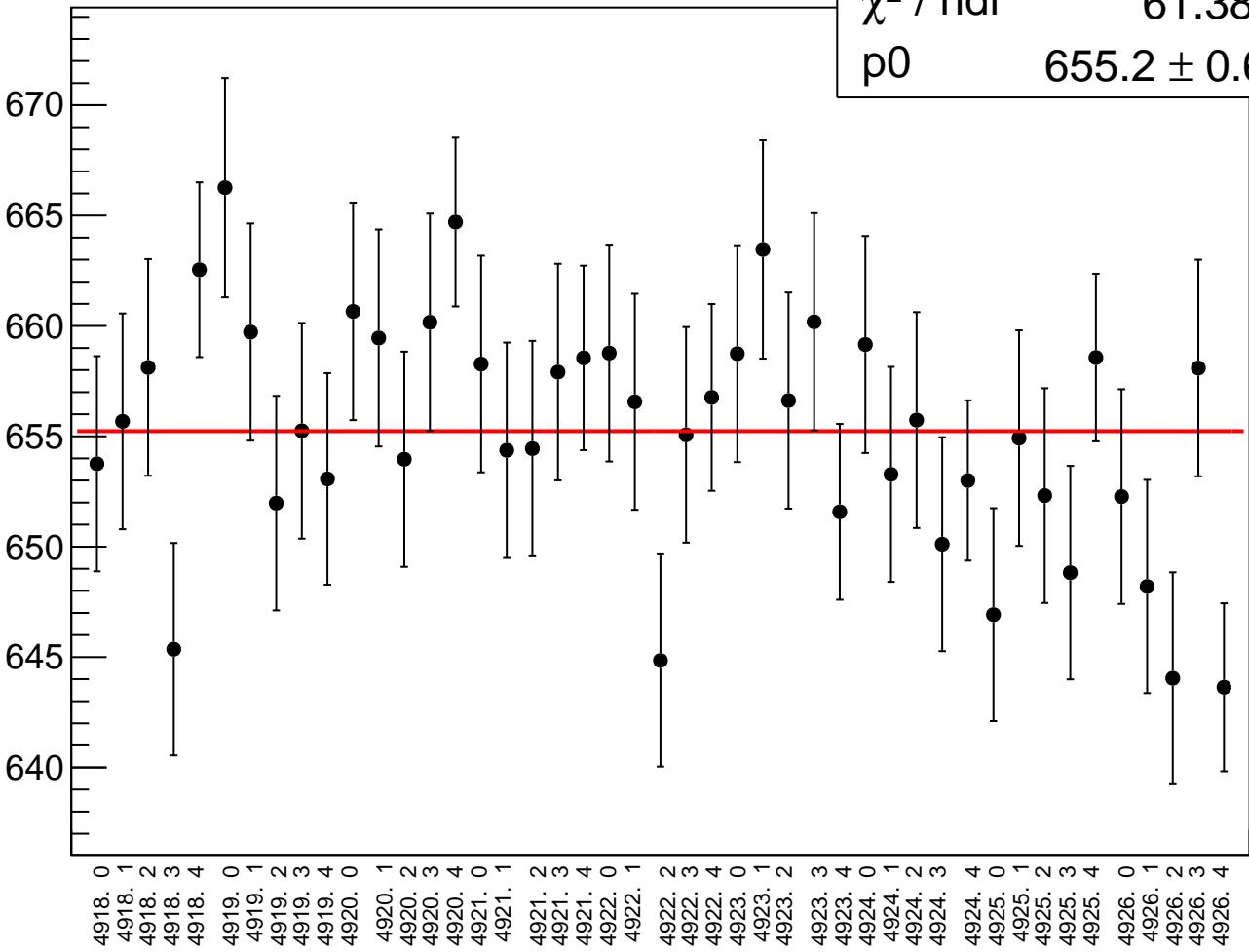
# diff\_bpm1i04X\_mean vs run



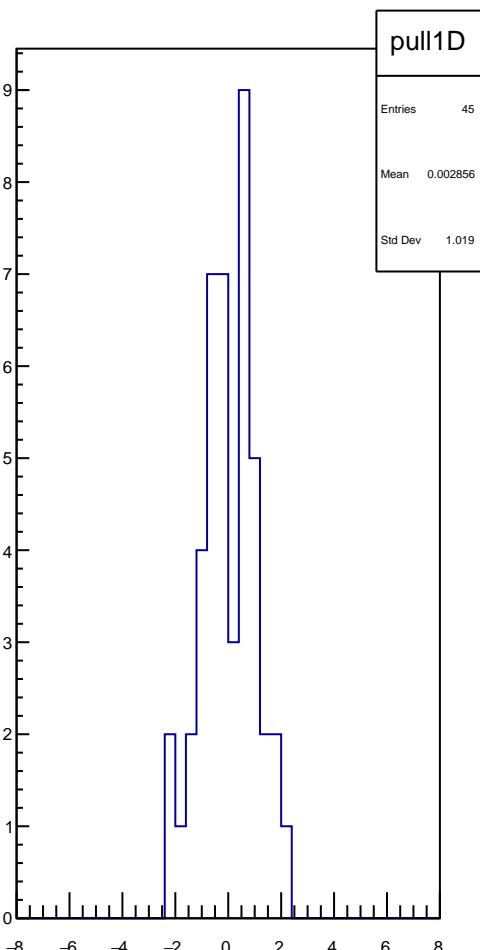
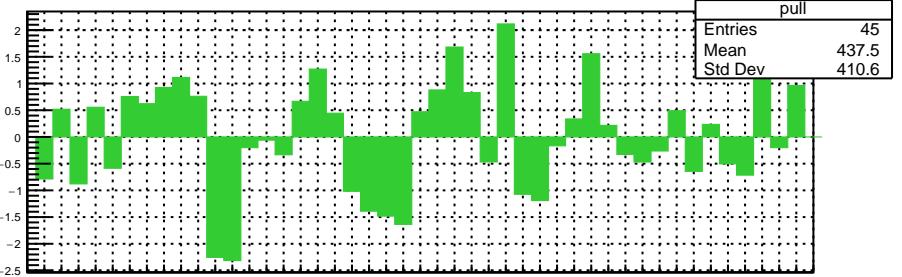
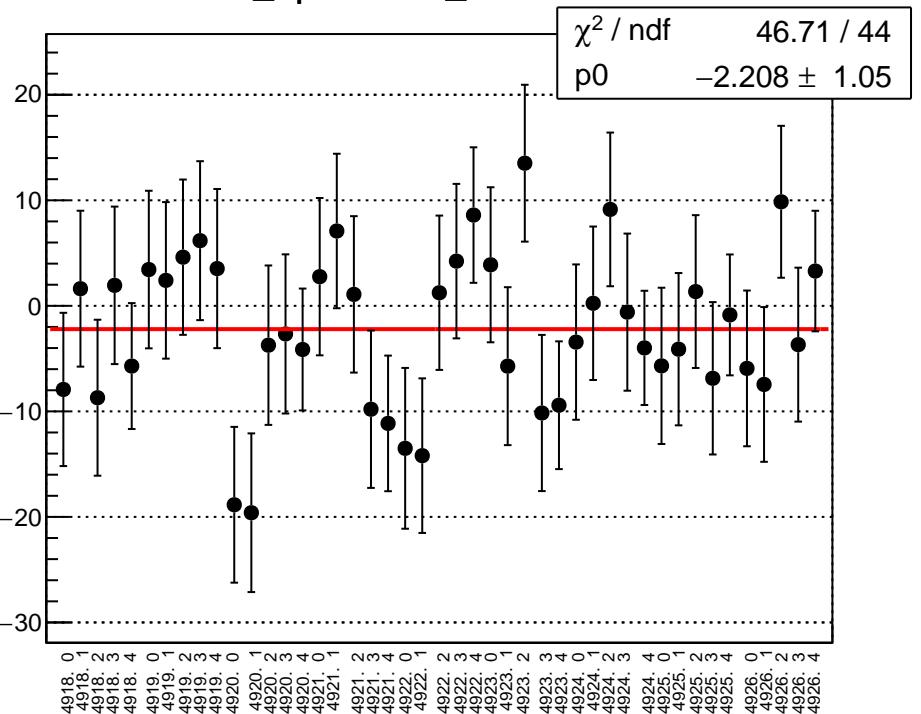
# diff\_bpm1i04X\_rms vs run

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

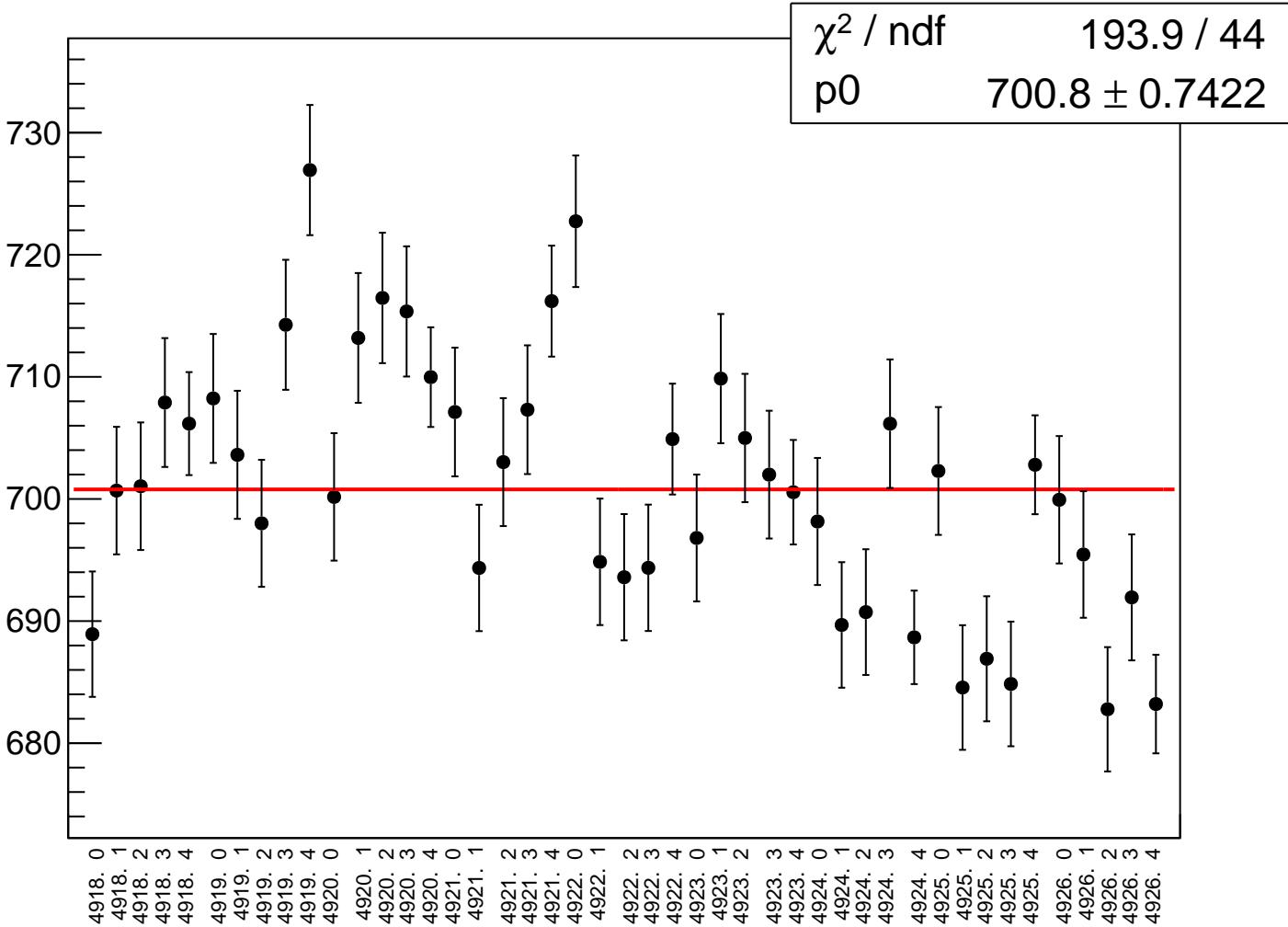
61.38 / 44  
 $655.2 \pm 0.6939$



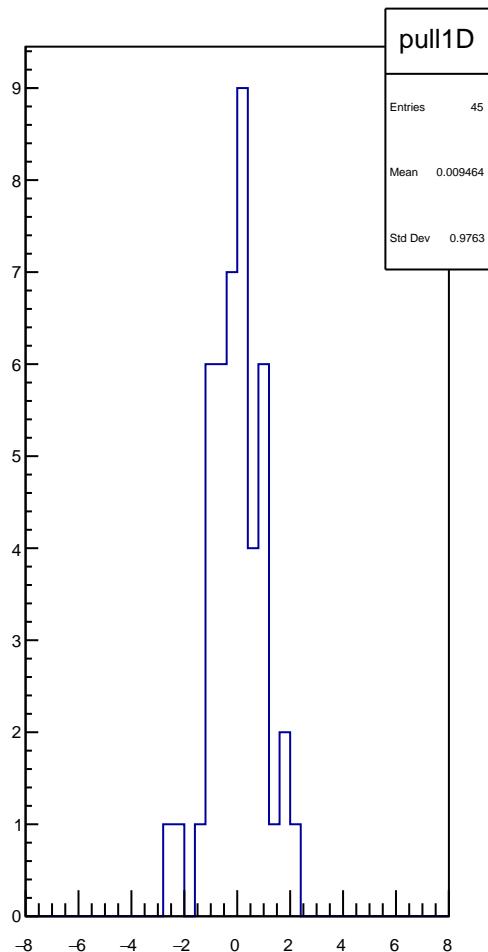
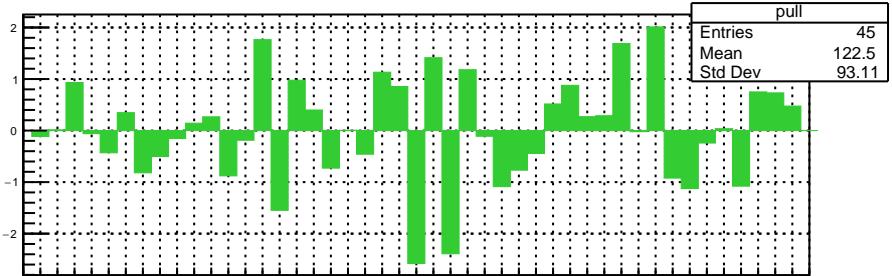
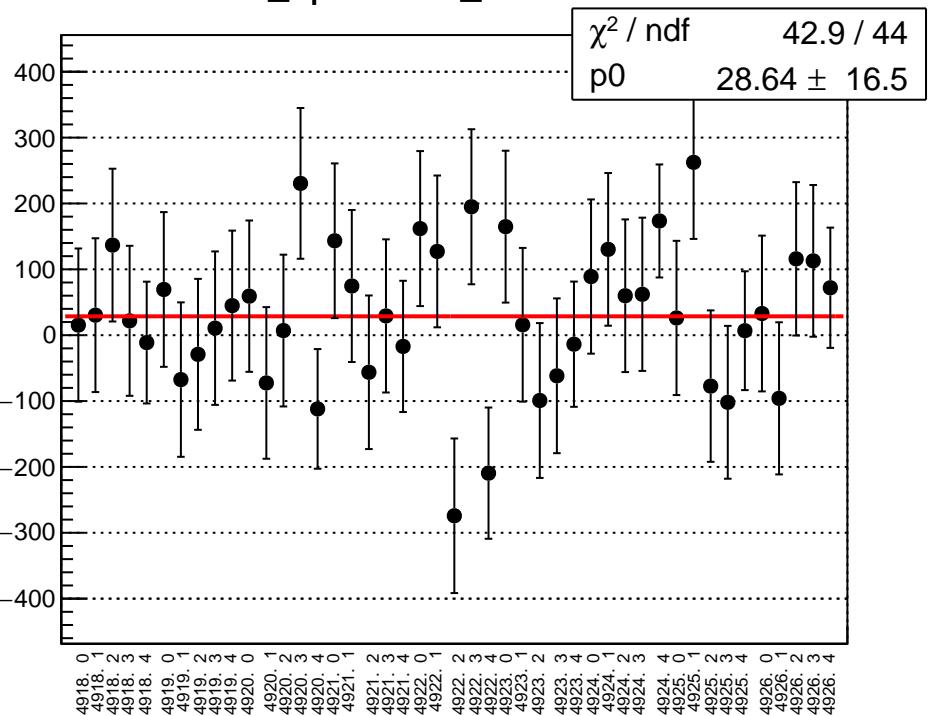
# diff\_bpm1i04Y\_mean vs run



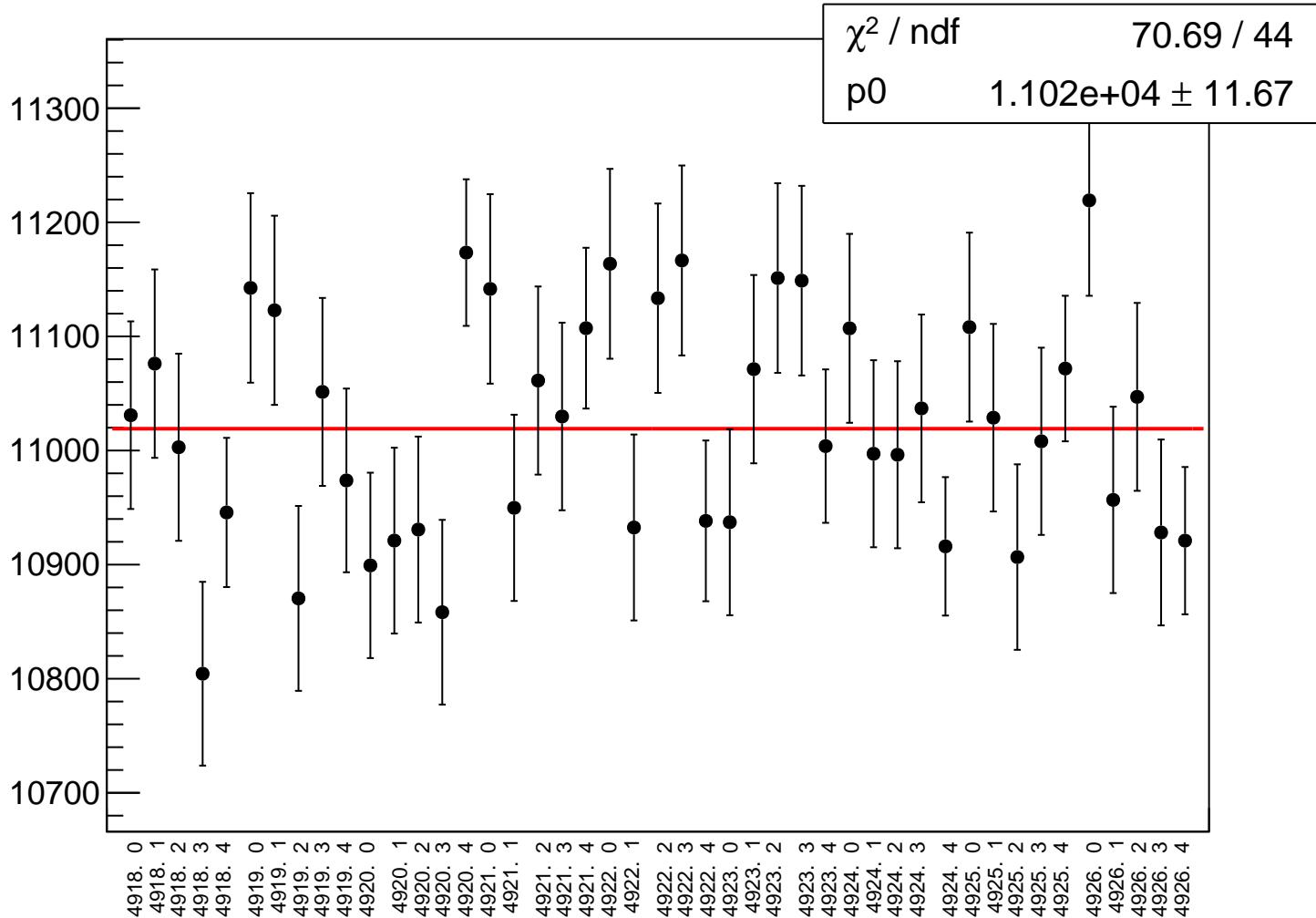
# diff\_bpm1i04Y\_rms vs run



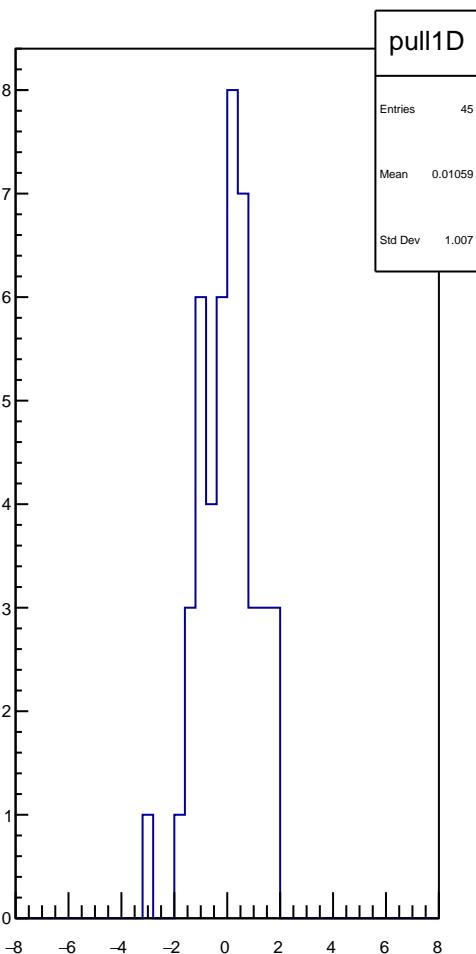
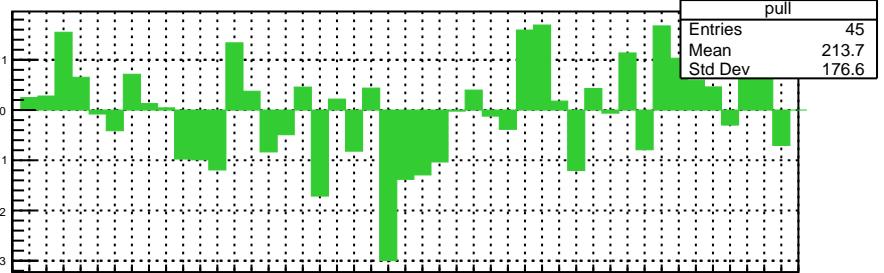
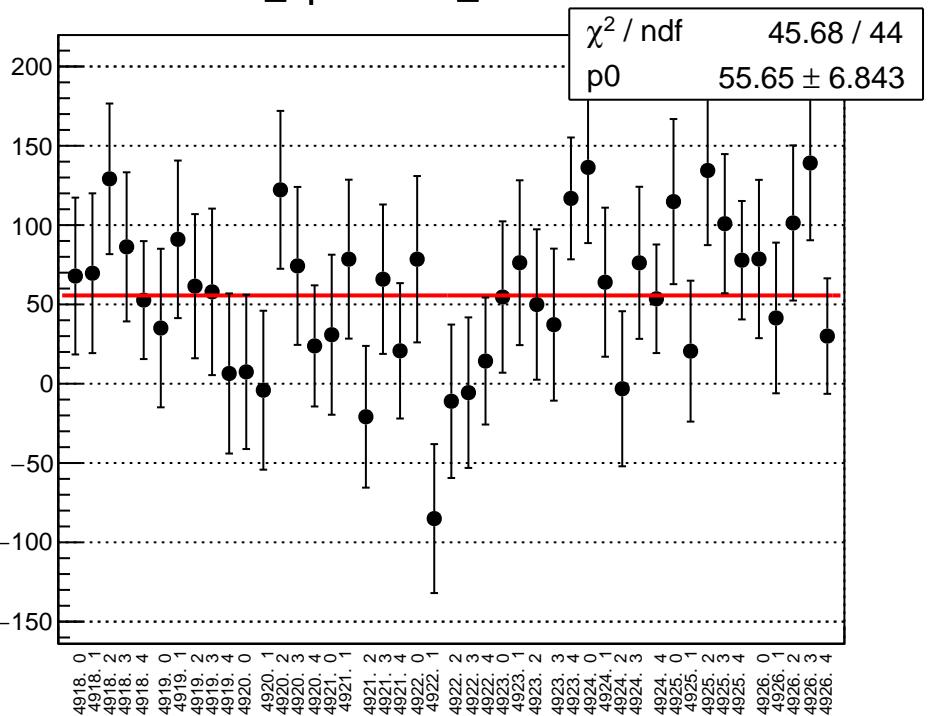
# diff\_bpm0l02X\_mean vs run



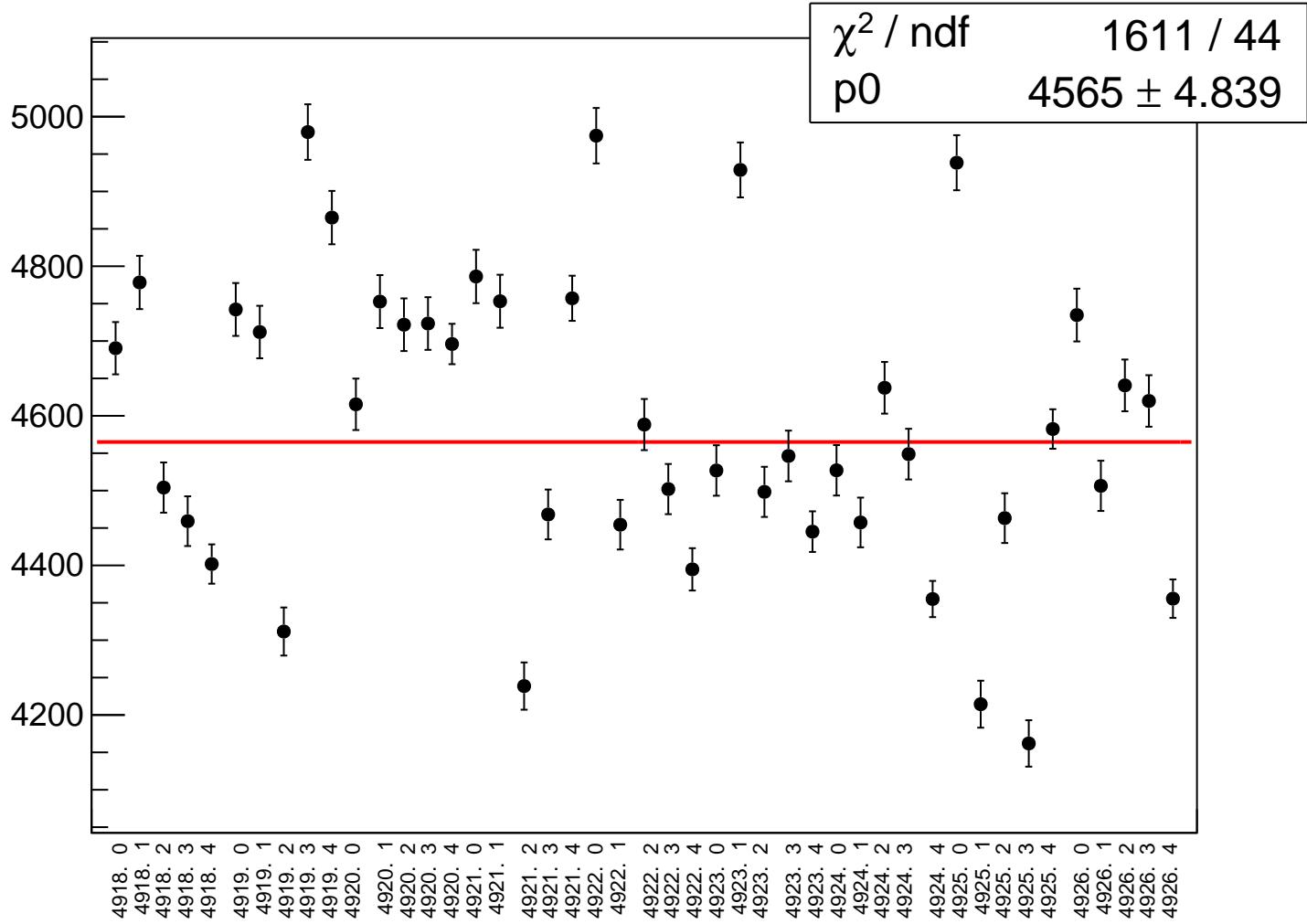
# diff\_bpm0I02X\_rms vs run



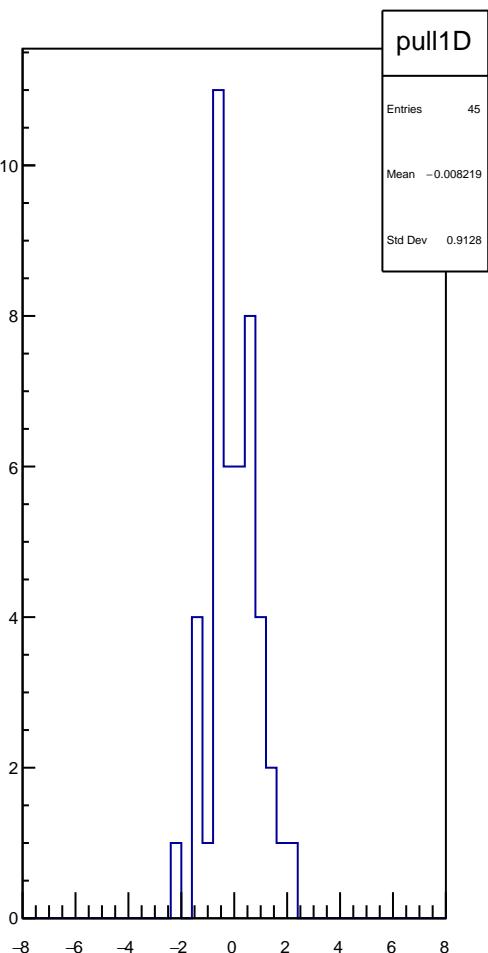
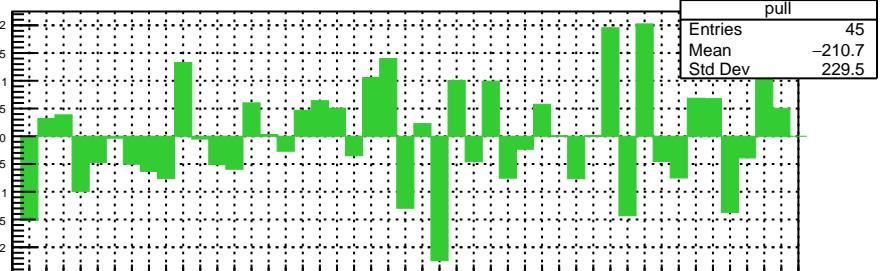
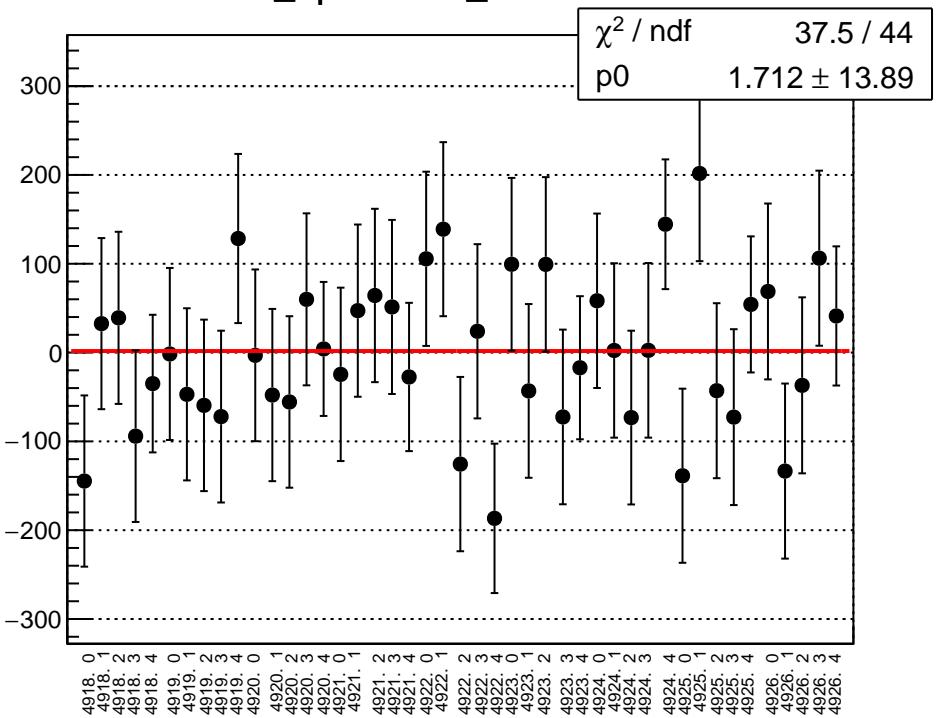
# diff\_bpm0l02Y\_mean vs run



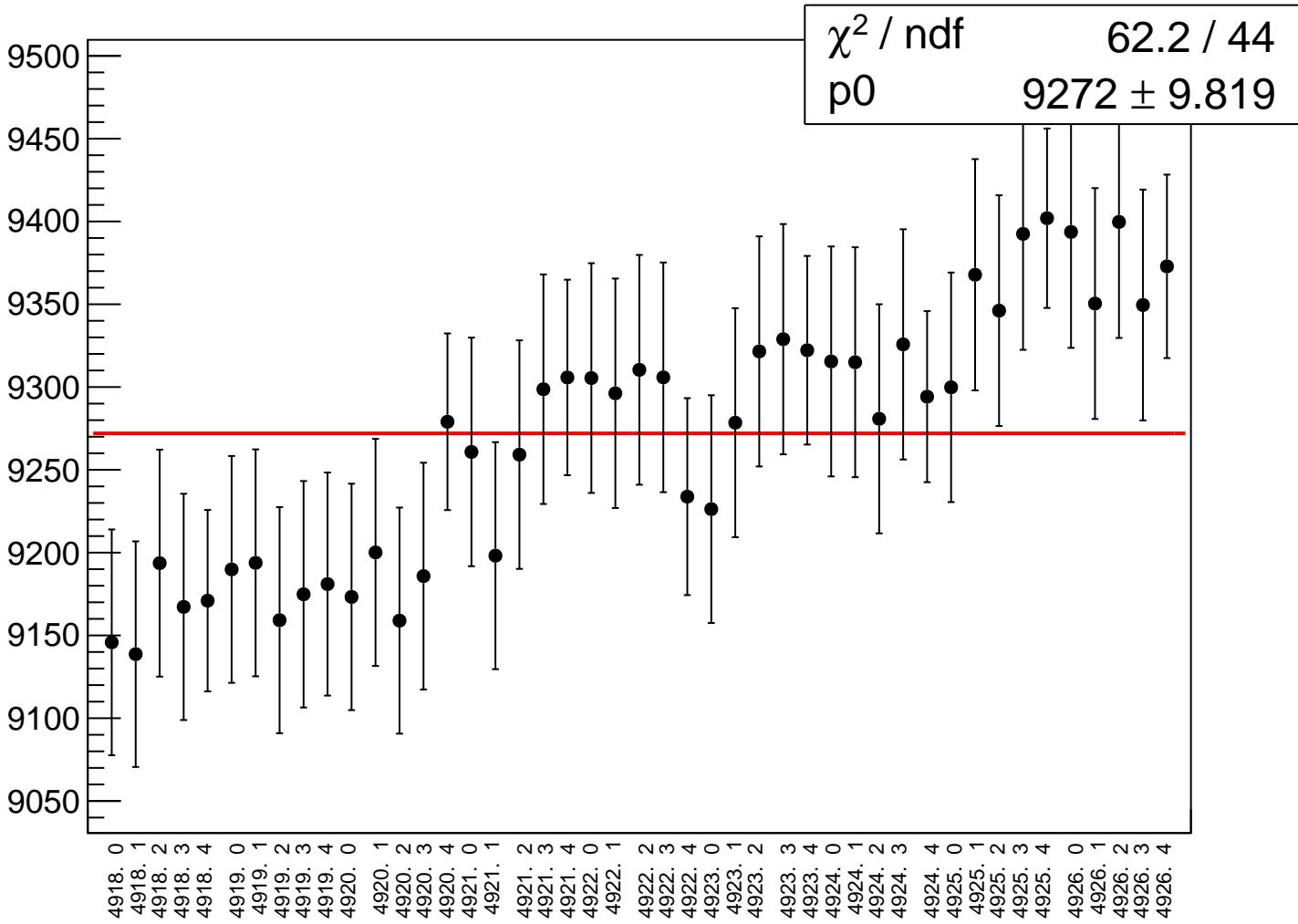
# diff\_bpm0I02Y\_rms vs run



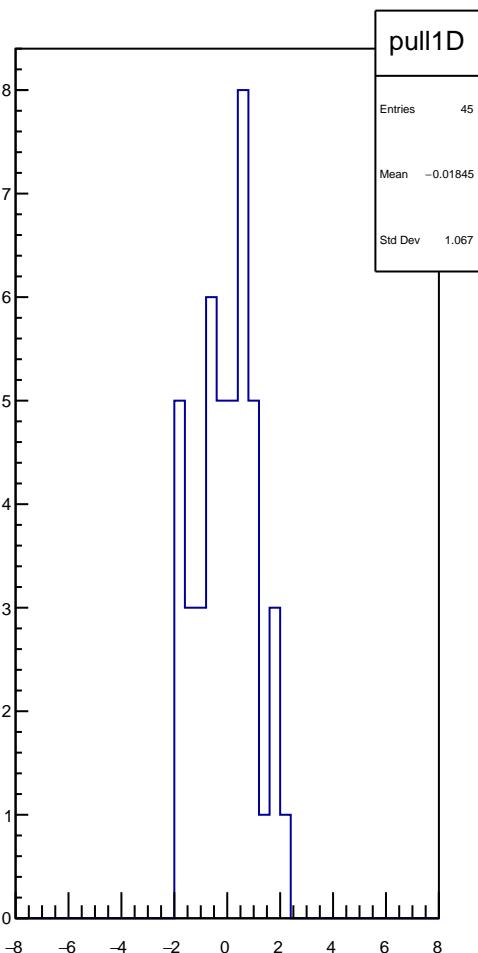
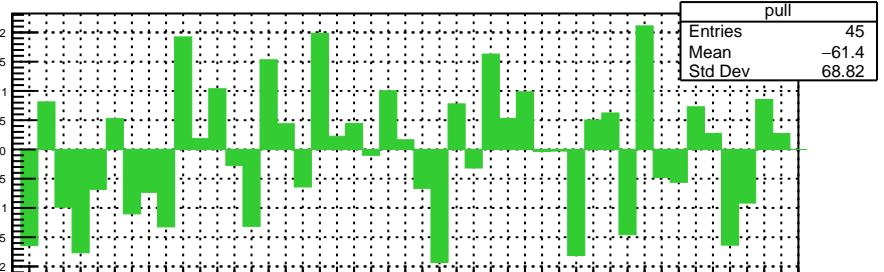
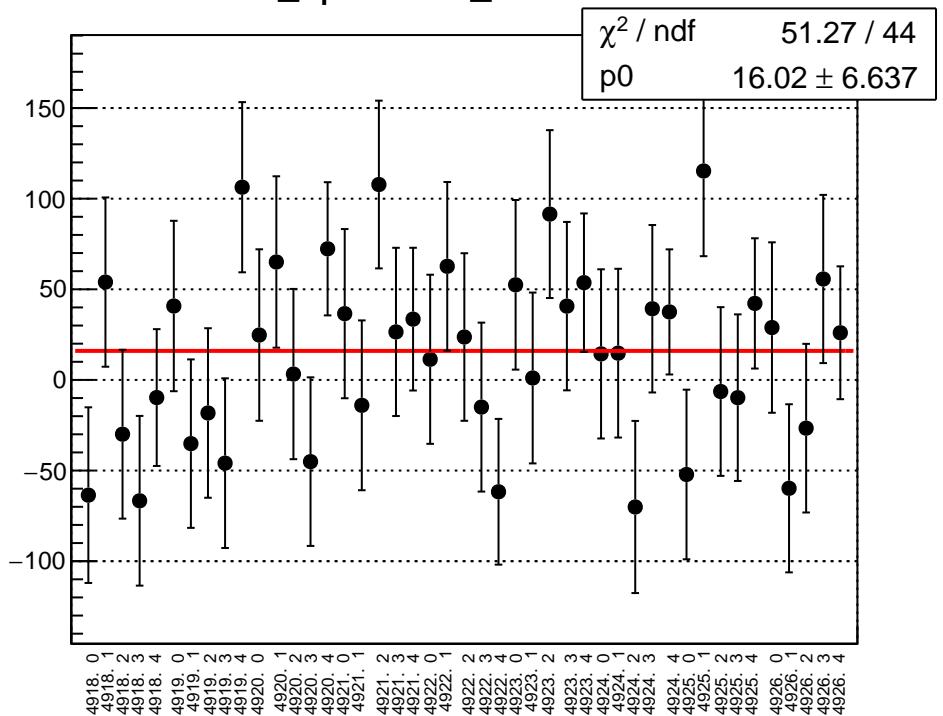
# diff\_bpm0l03X\_mean vs run



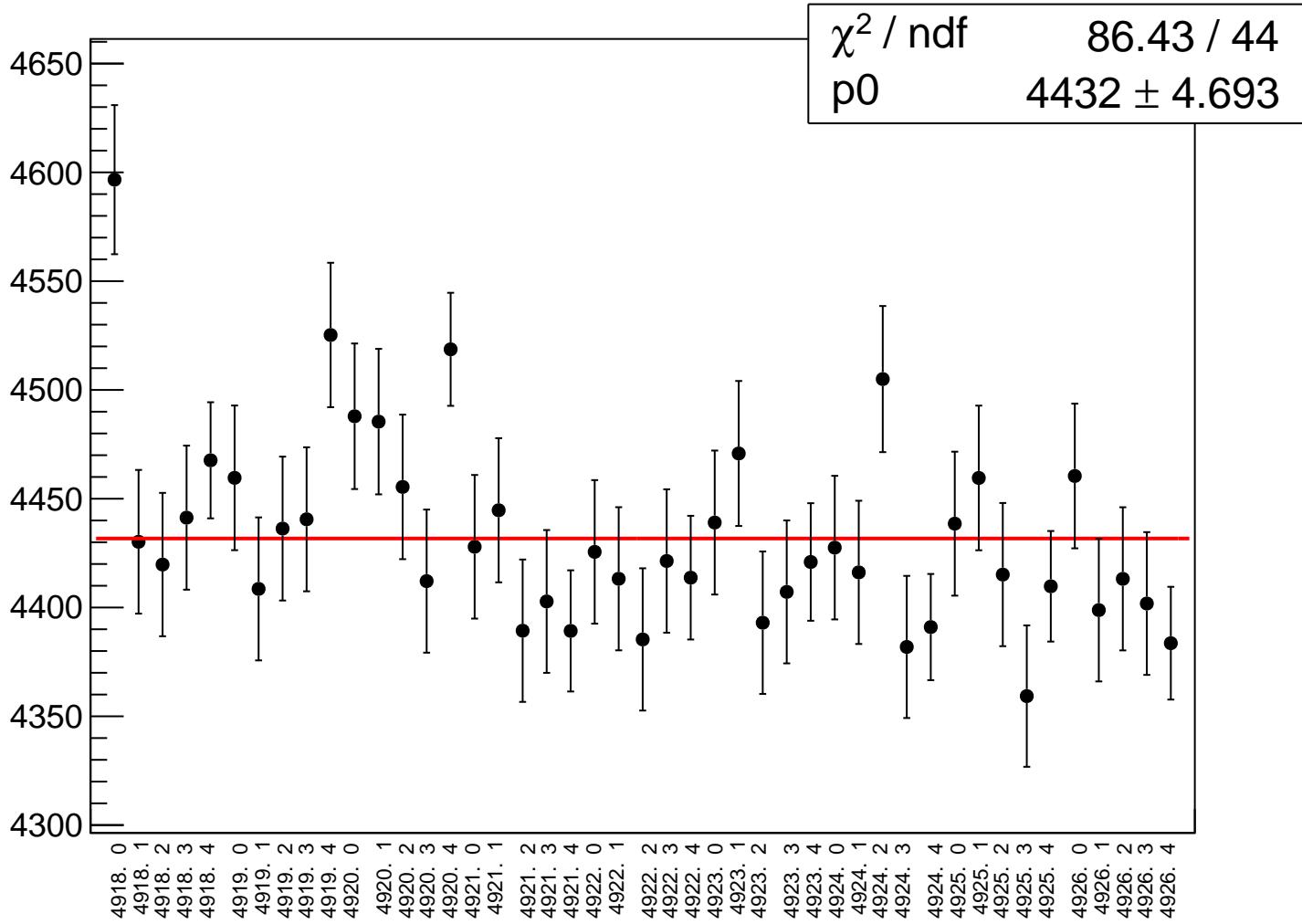
# diff\_bpm0I03X\_rms vs run



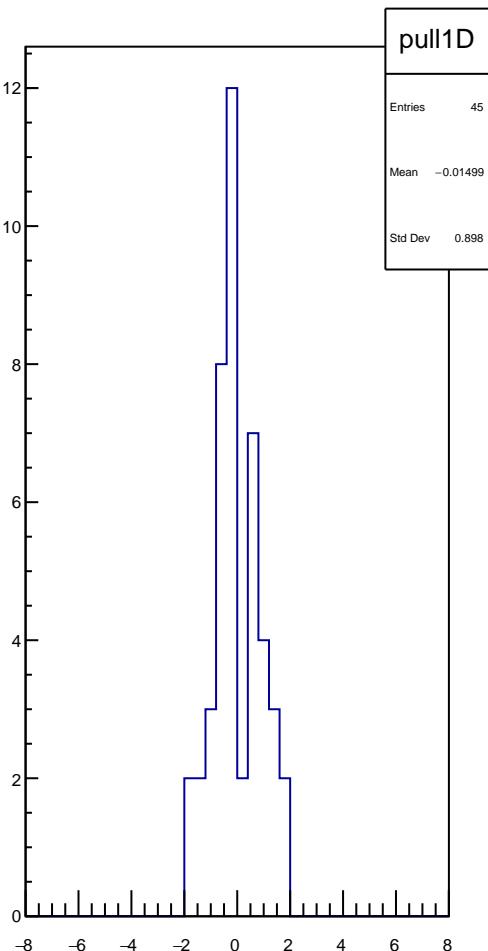
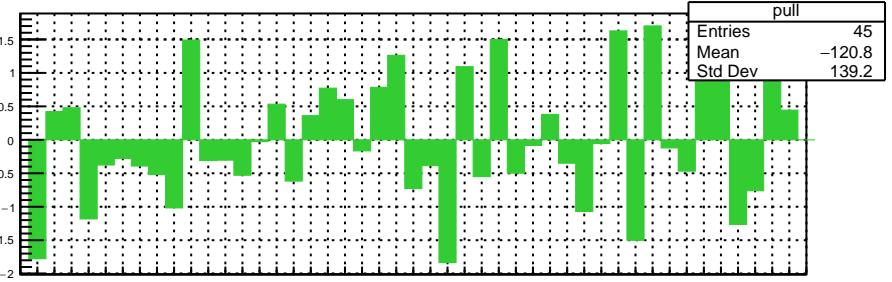
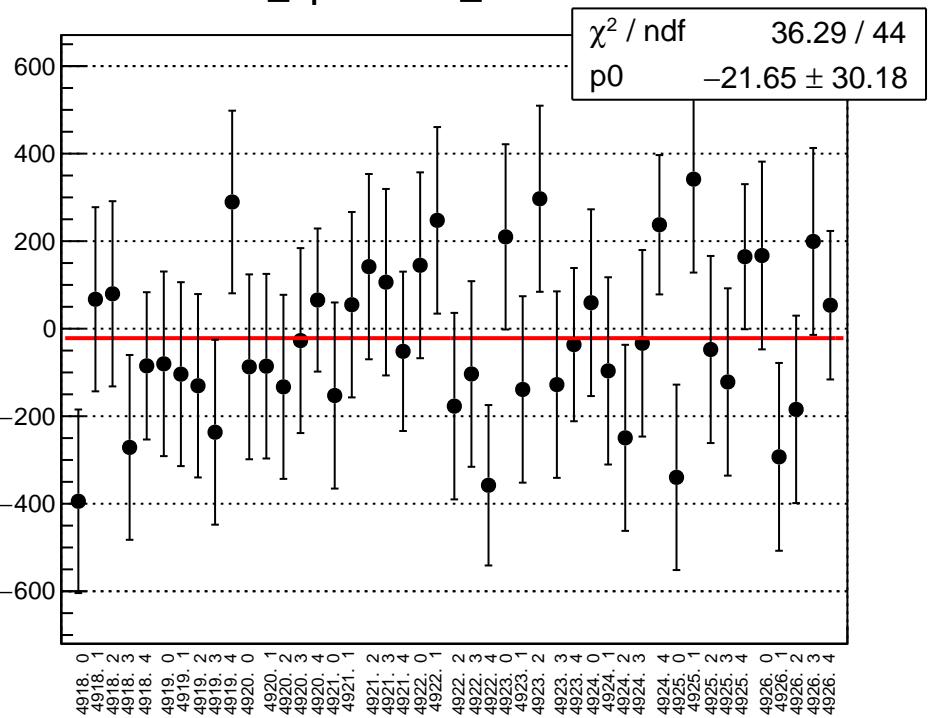
# diff\_bpm0l03Y\_mean vs run



# diff\_bpmon03Y\_rms vs run



# diff\_bpm0l04X\_mean vs run



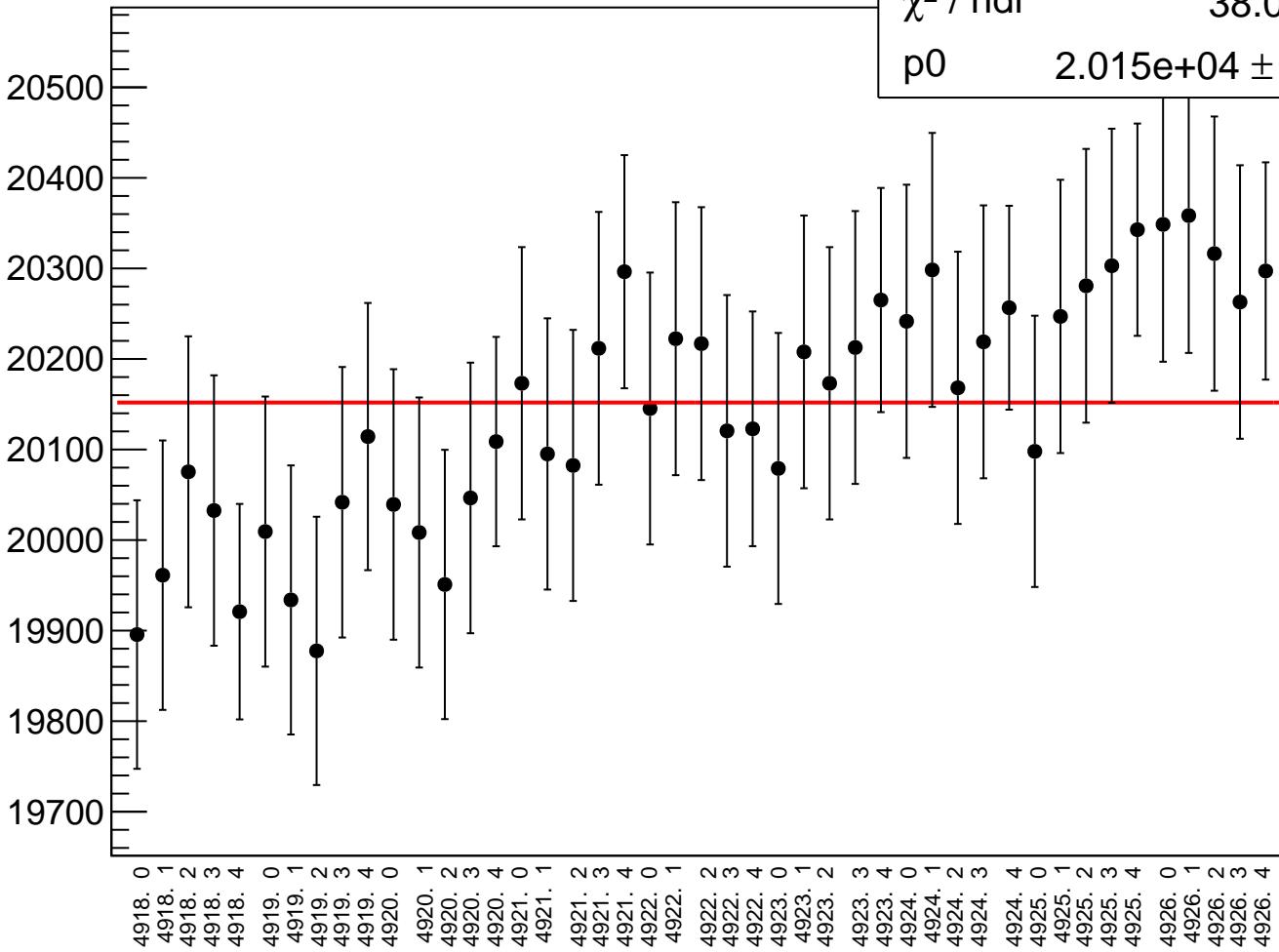
# diff\_bpm0I04X\_rms vs run

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

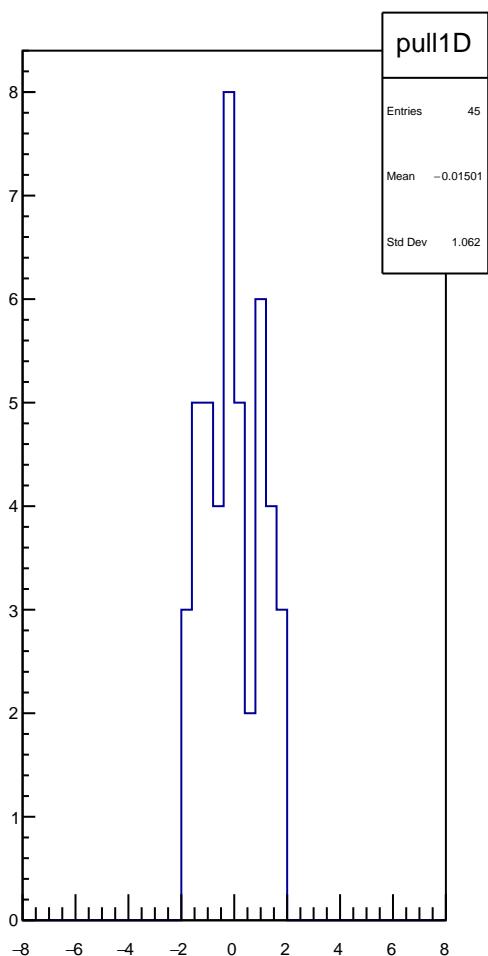
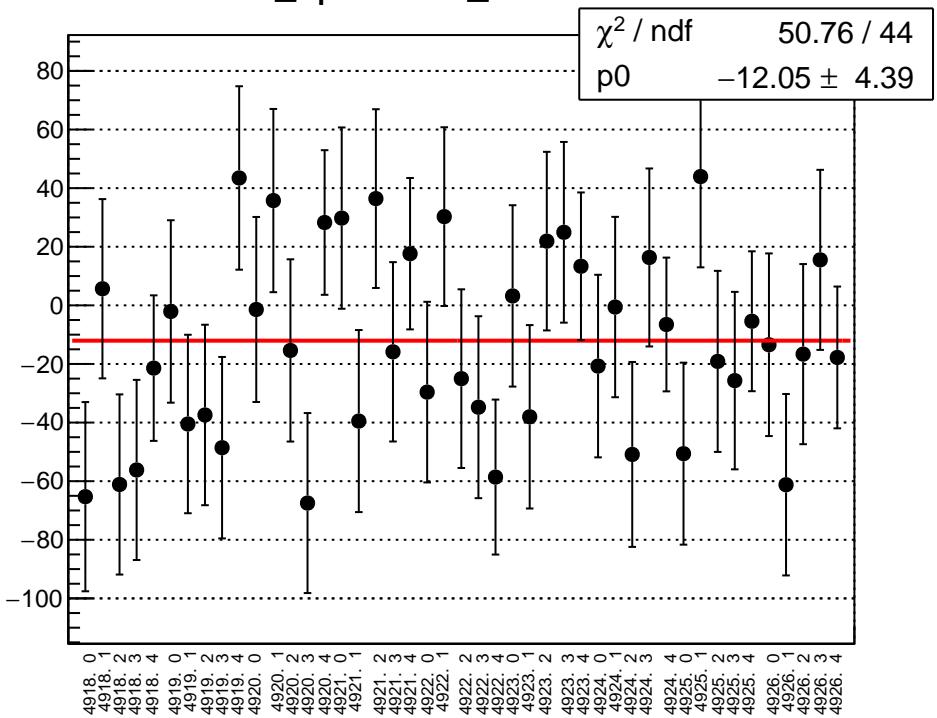
38.03 / 44

p0

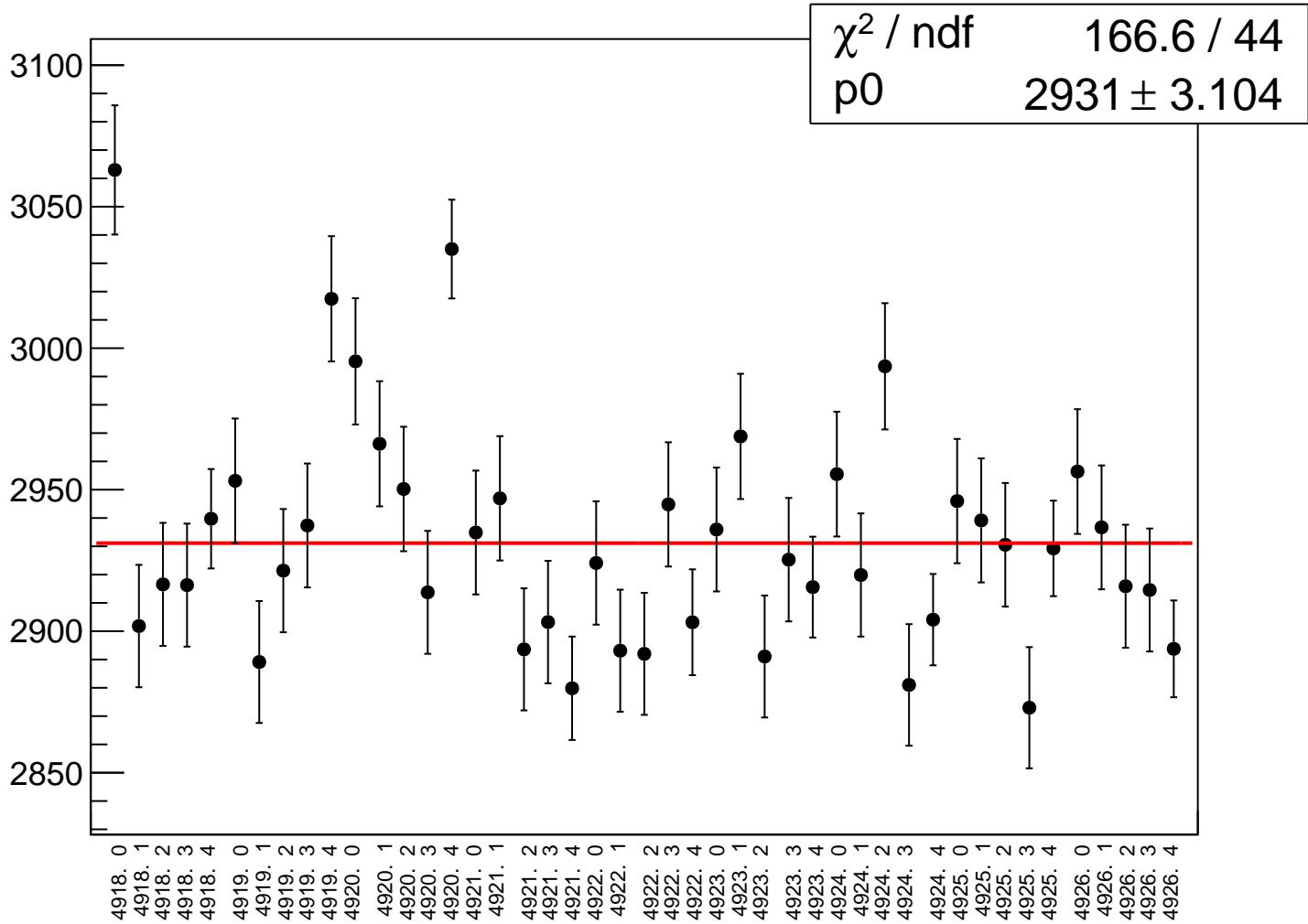
$2.015\text{e+}04 \pm 21.34$



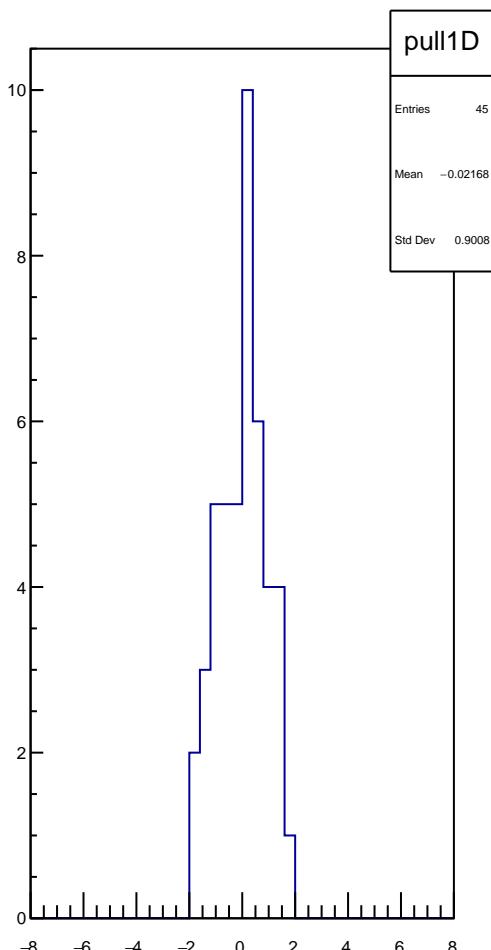
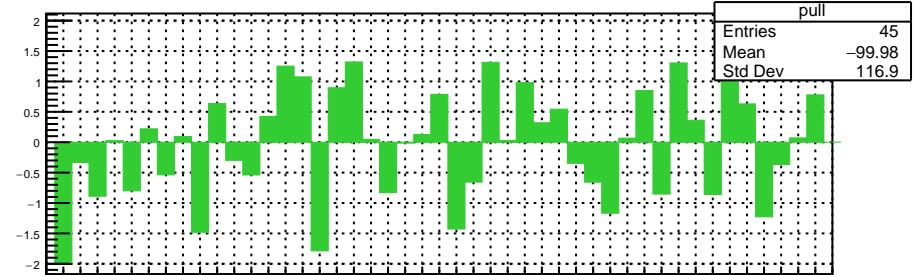
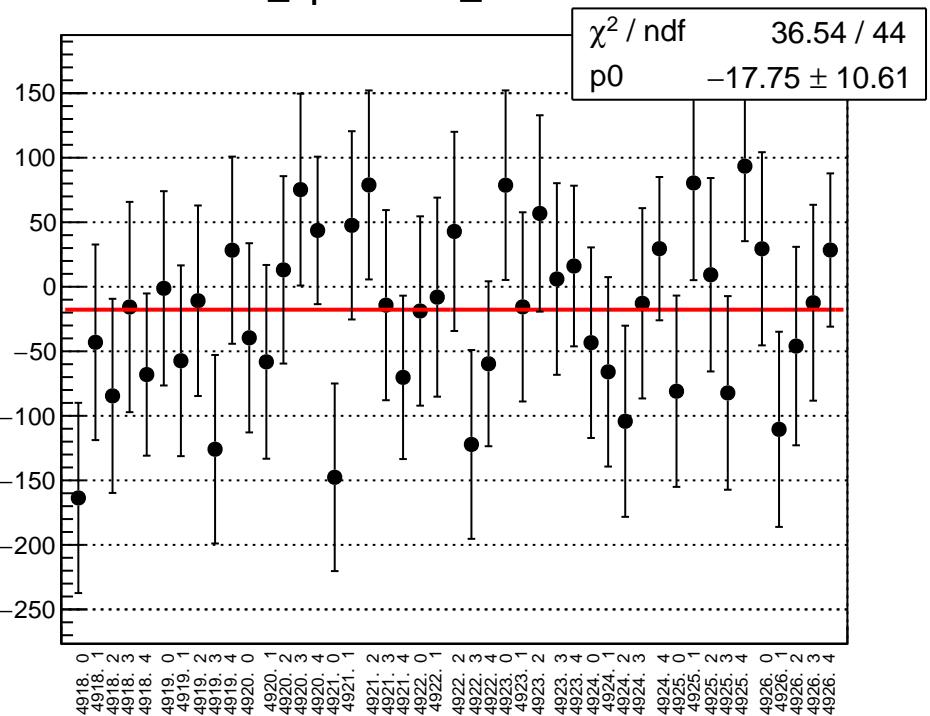
# diff\_bpm0l04Y\_mean vs run



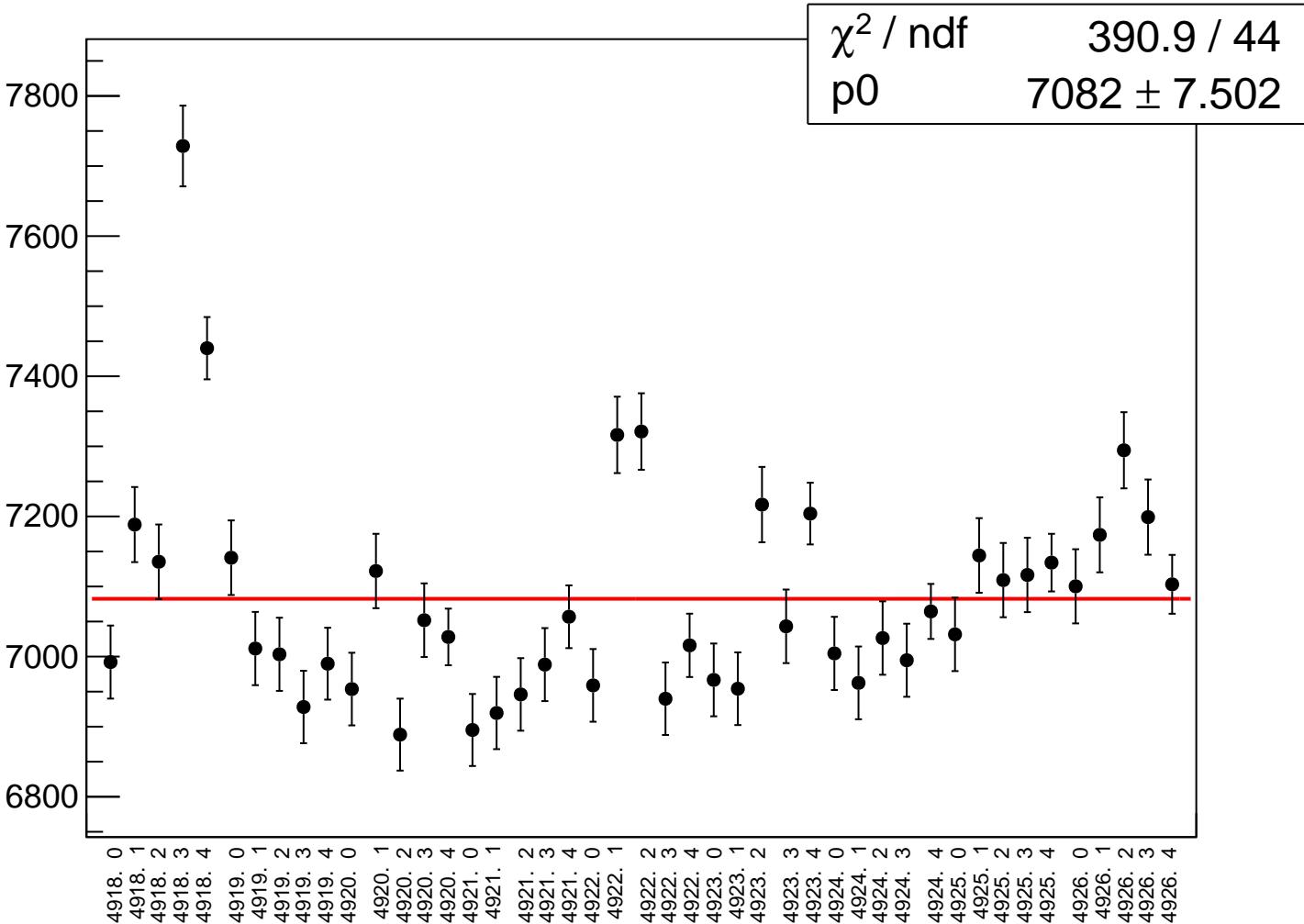
# diff\_bpm0I04Y\_rms vs run



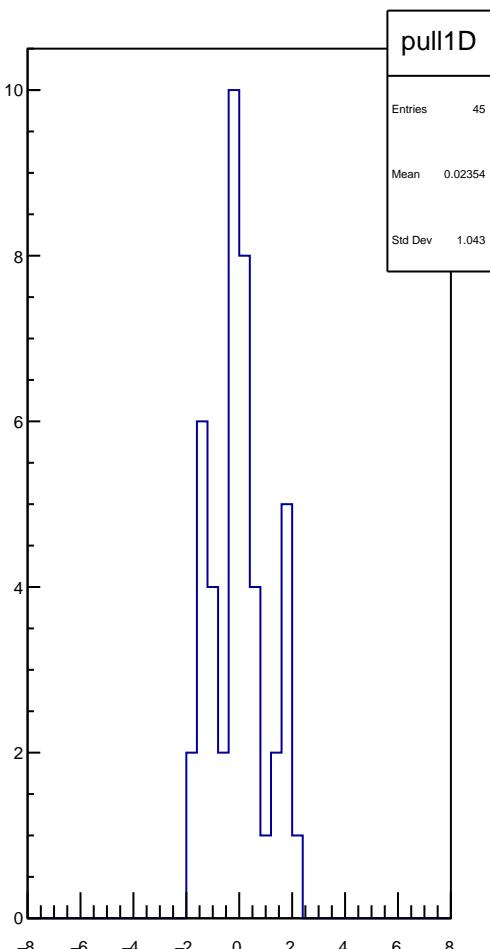
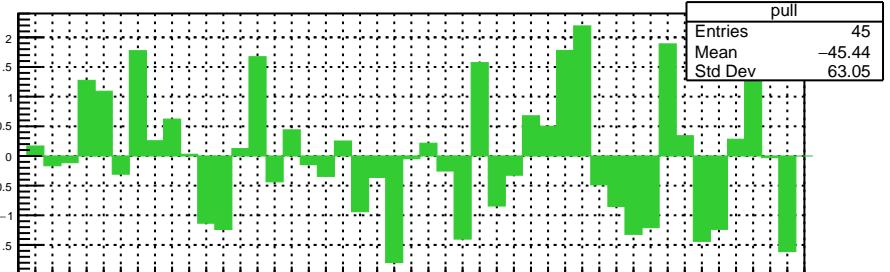
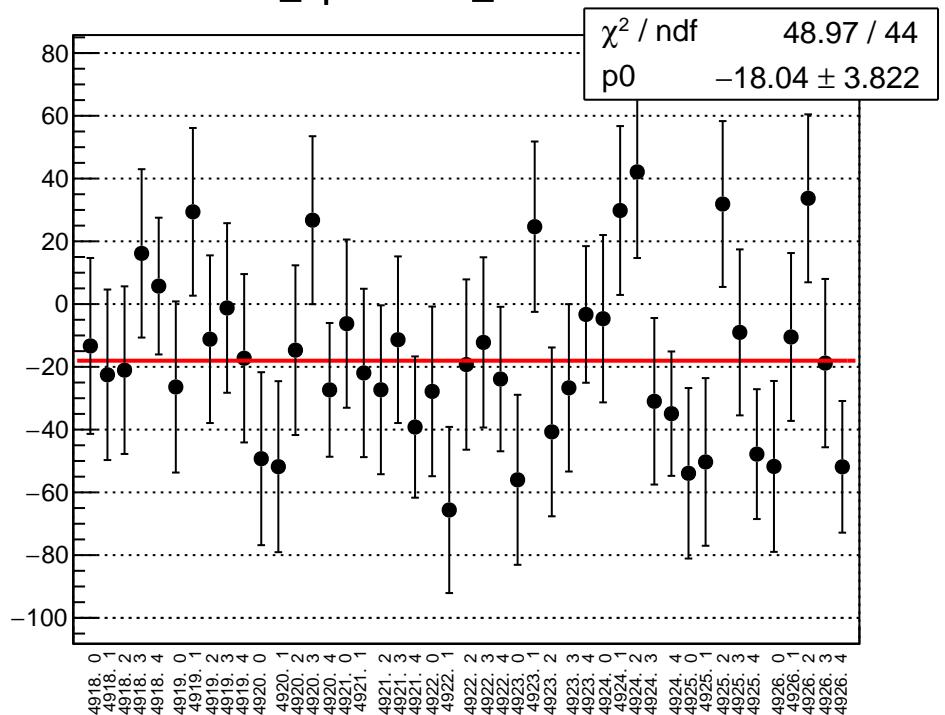
# diff\_bpm0l05X\_mean vs run



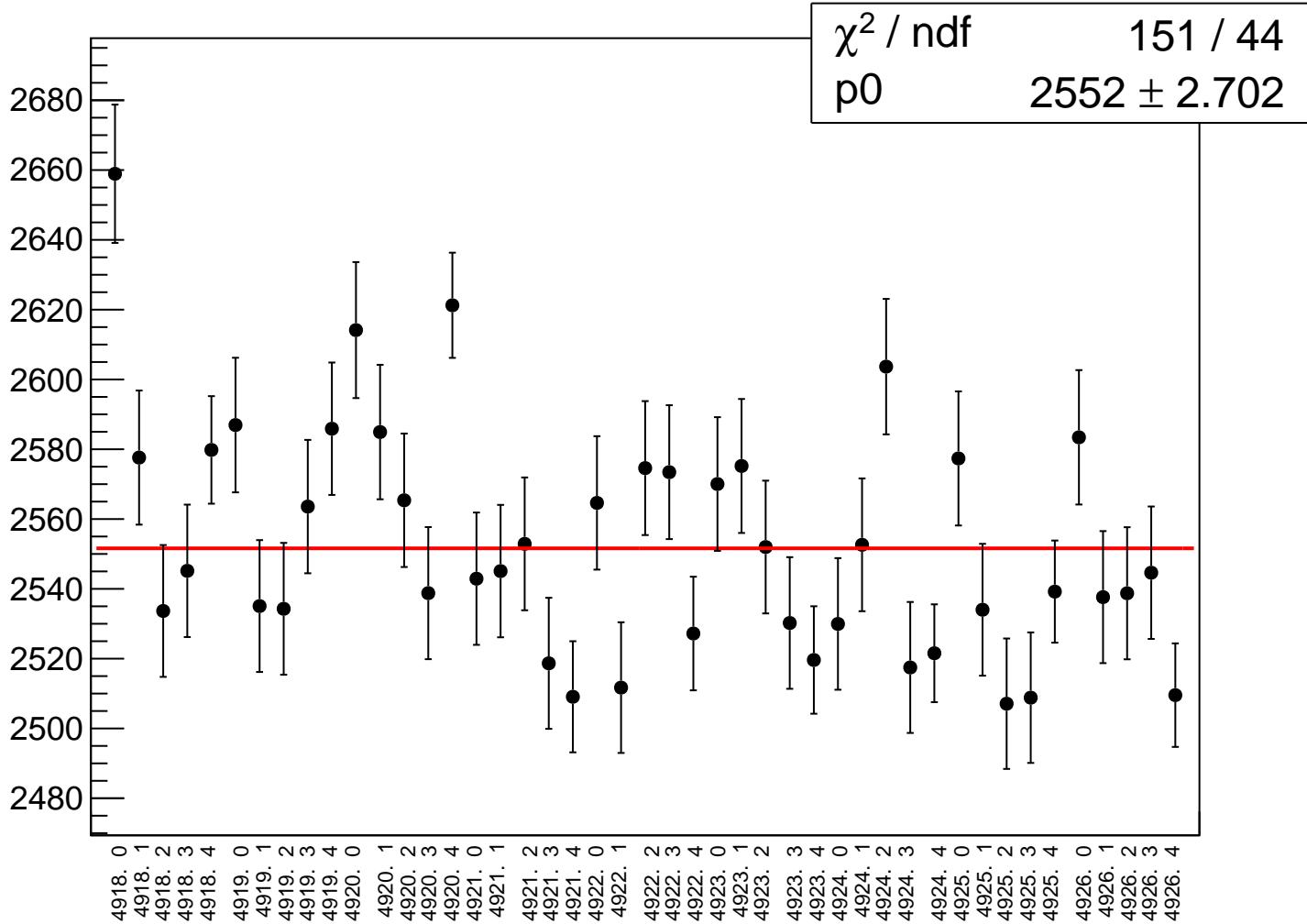
# diff\_bpmon05X\_rms vs run



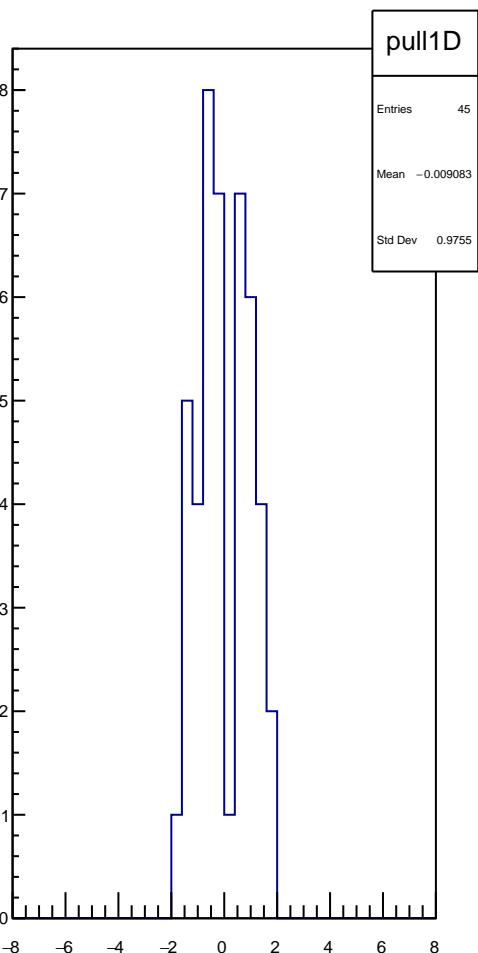
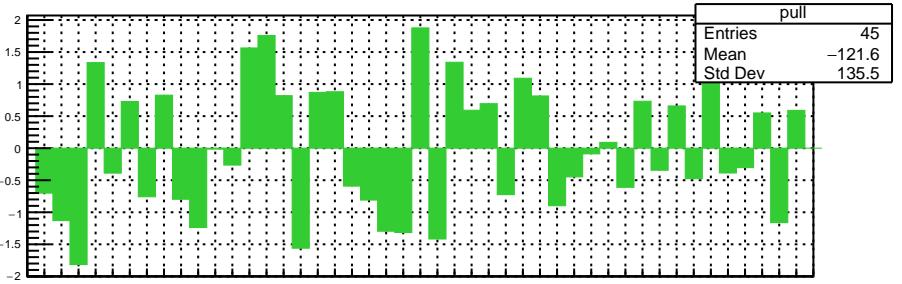
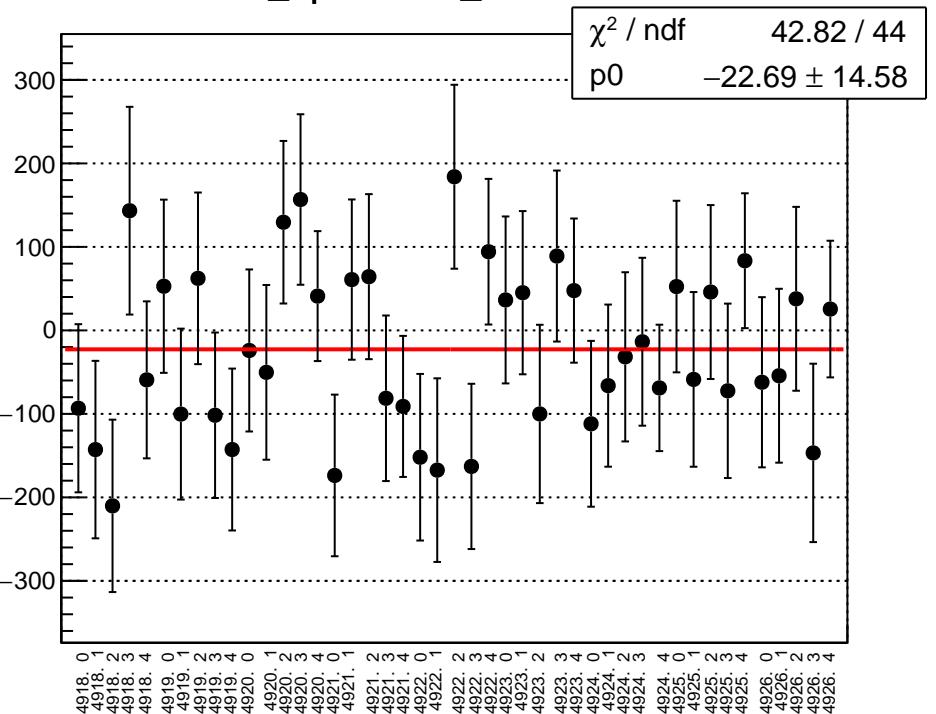
# diff\_bpm0l05Y\_mean vs run



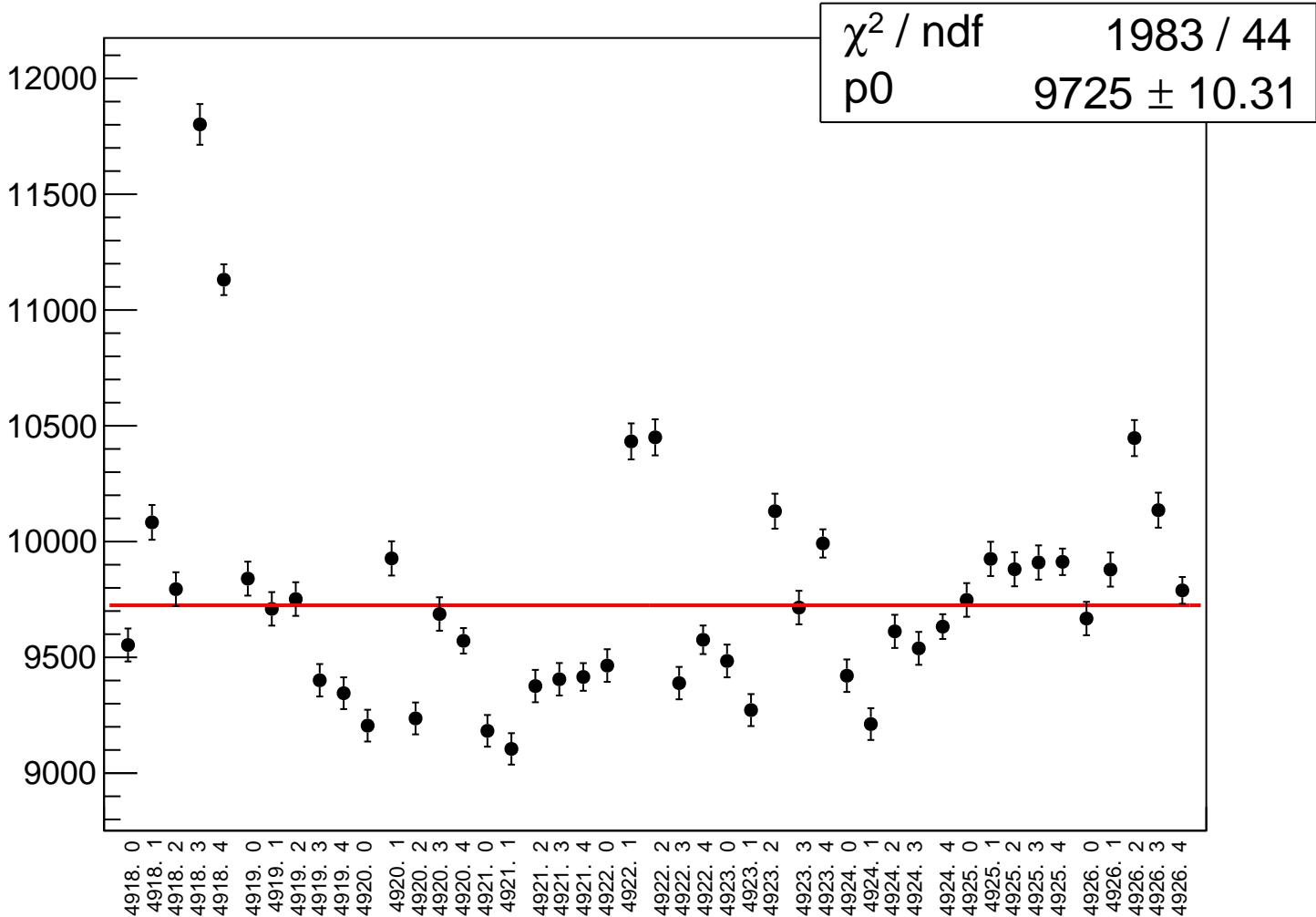
# diff\_bpm0I05Y\_rms vs run



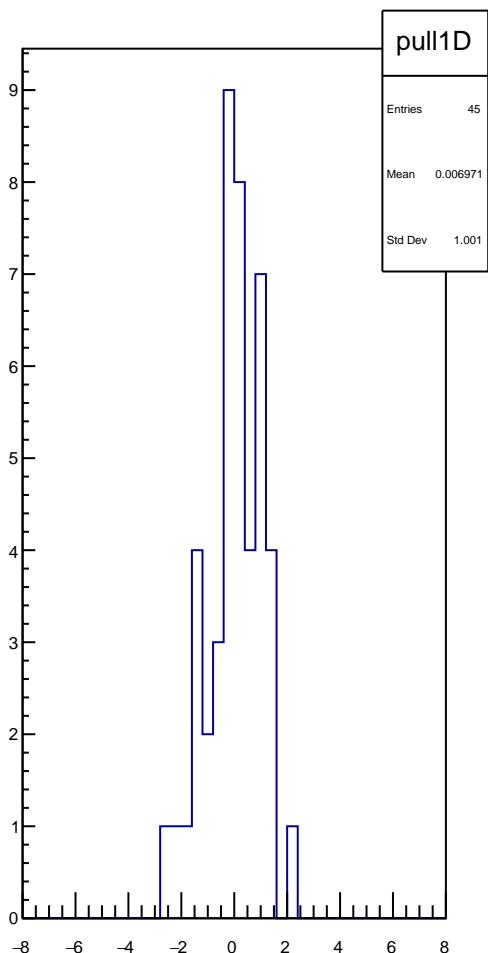
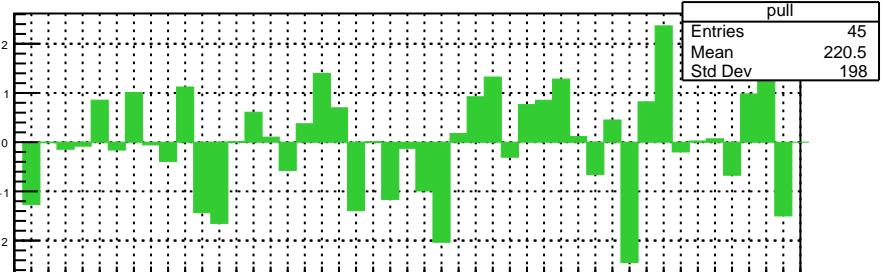
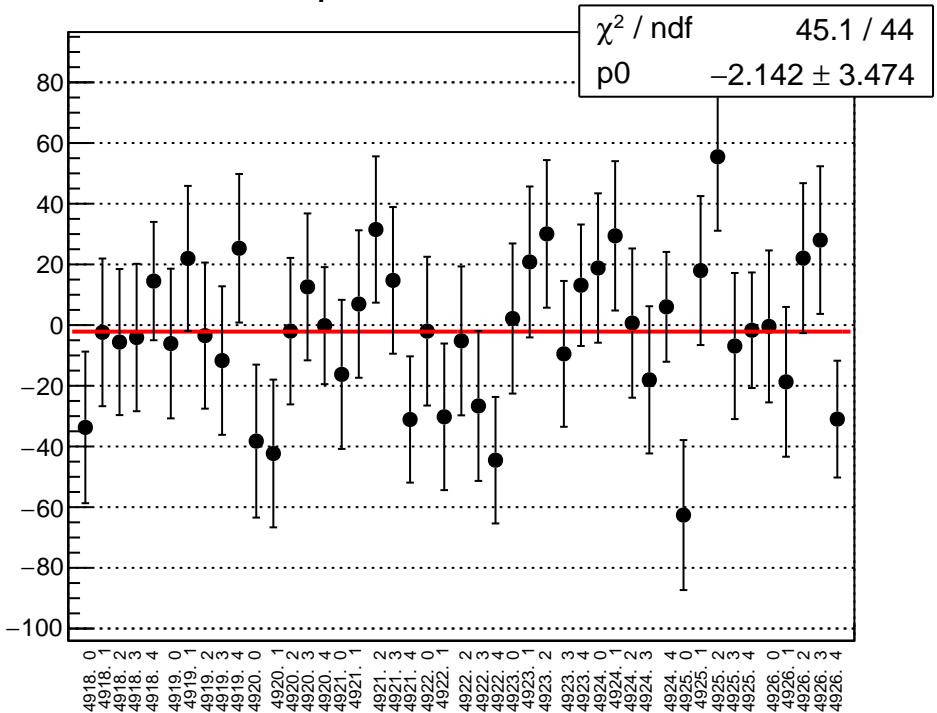
# diff\_bpm0l06X\_mean vs run



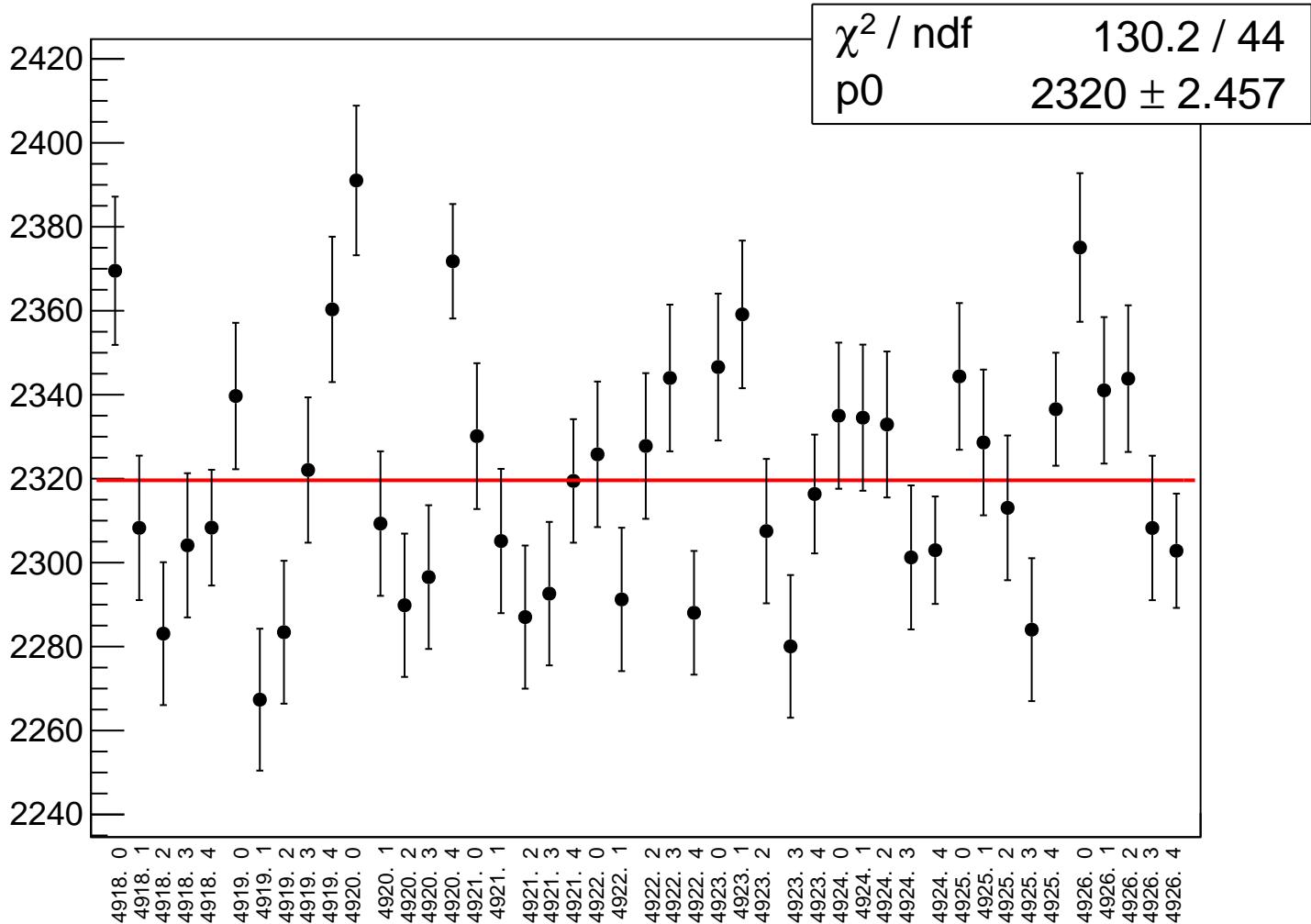
# diff\_bpmon06X\_rms vs run



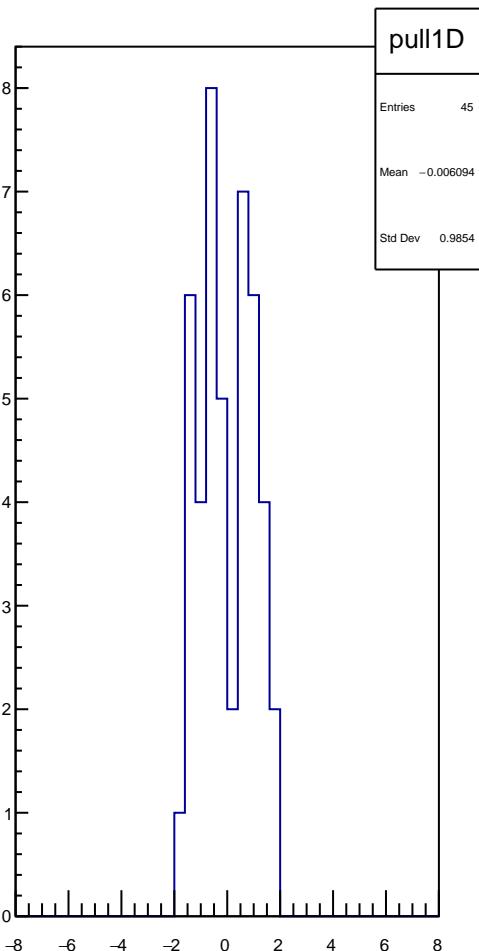
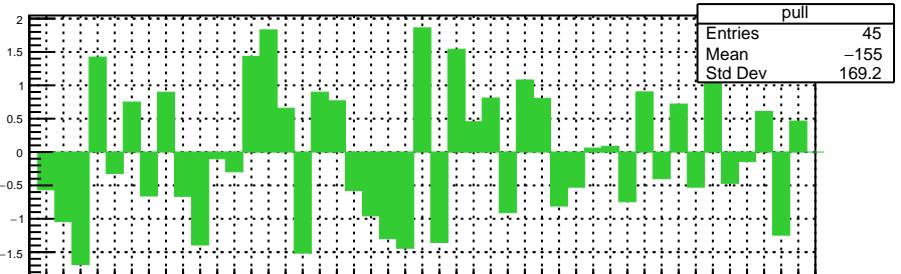
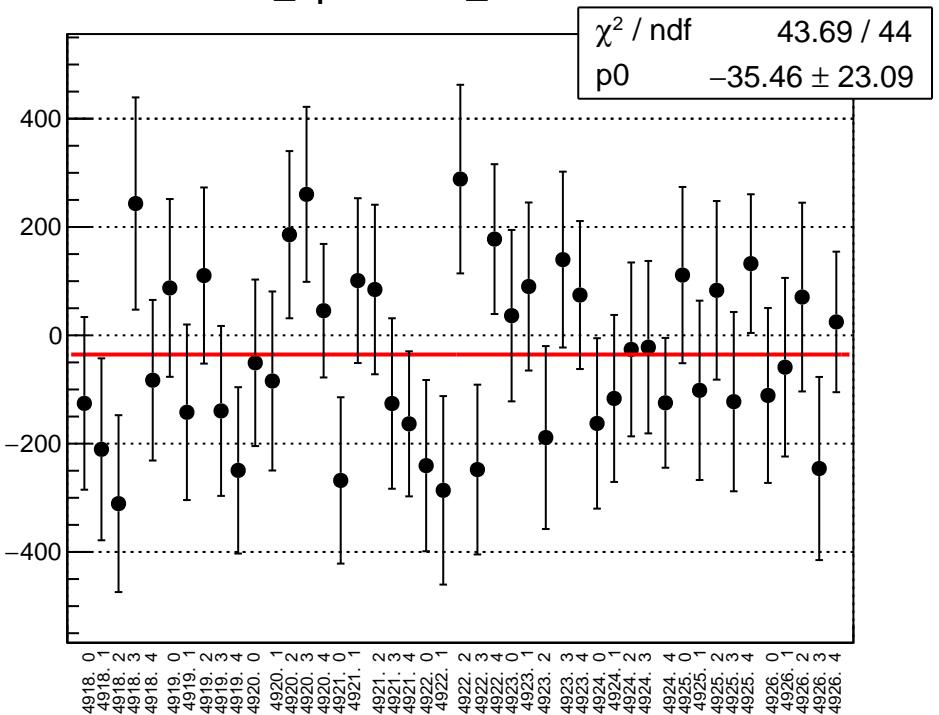
# diff\_bpm0l06Y\_mean vs run



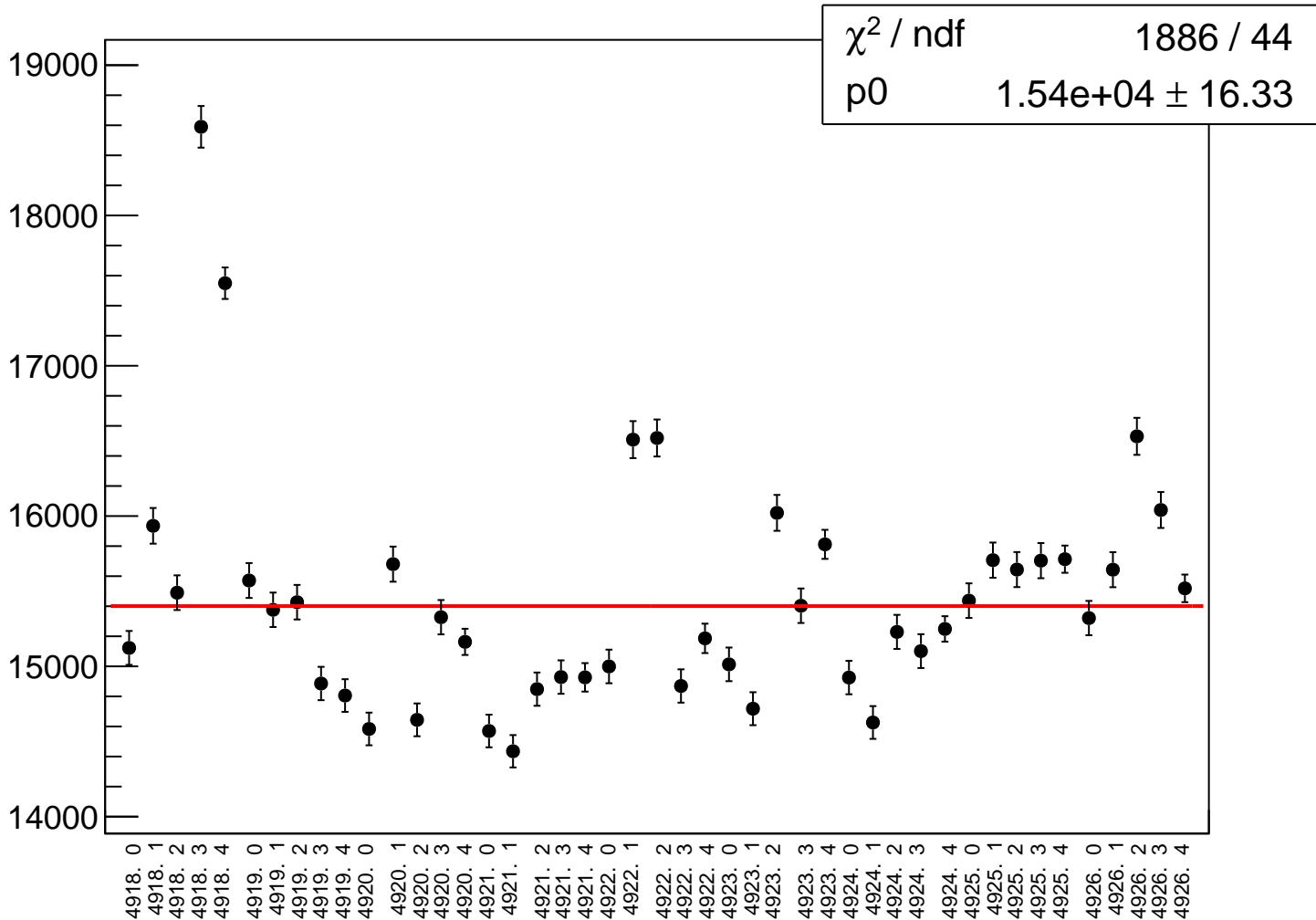
# diff\_bpmon06Y\_rms vs run



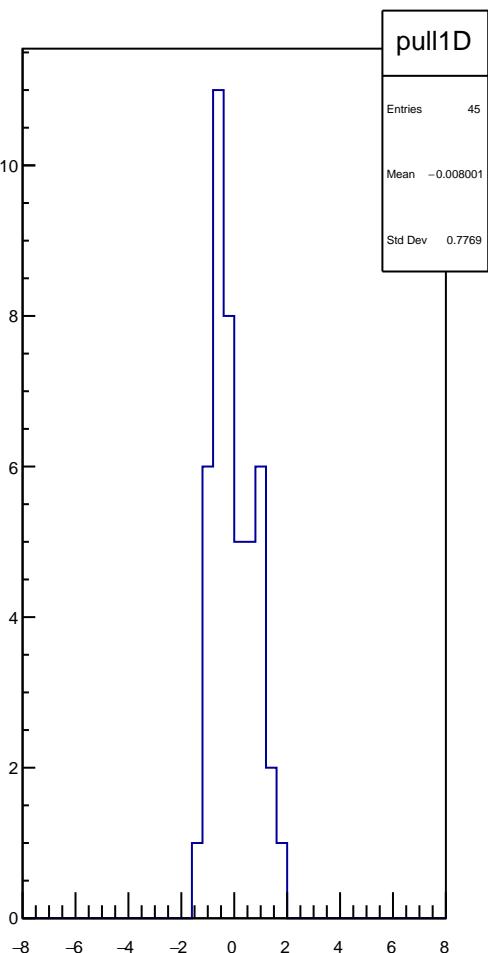
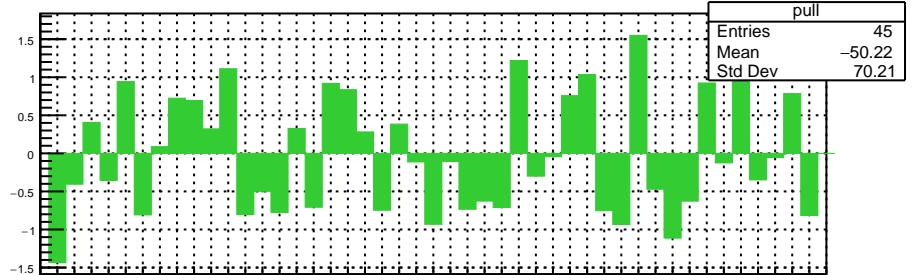
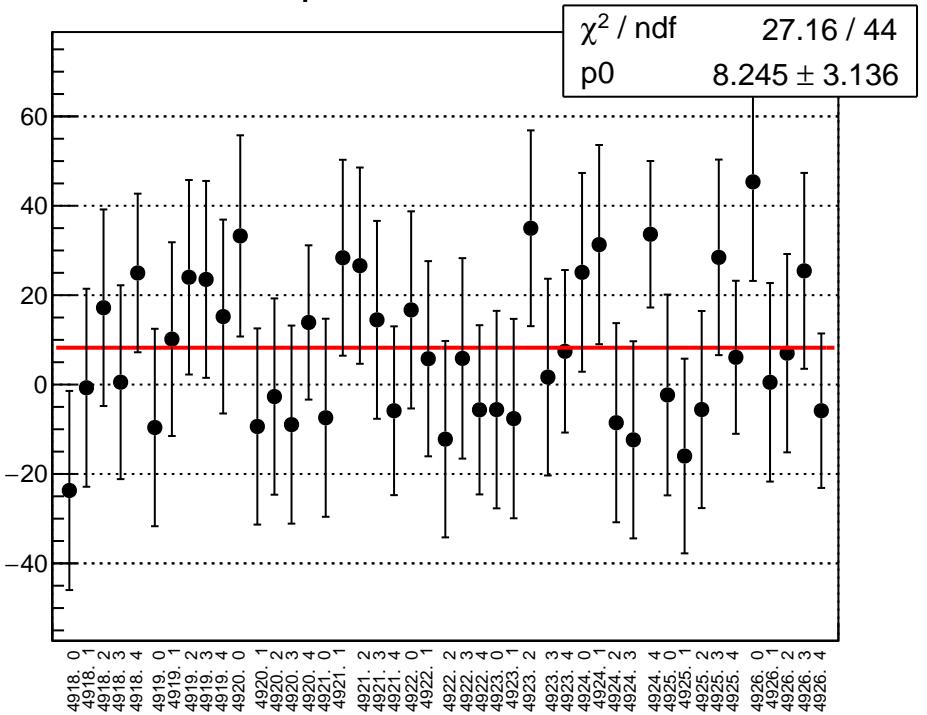
# diff\_bpm0l07X\_mean vs run



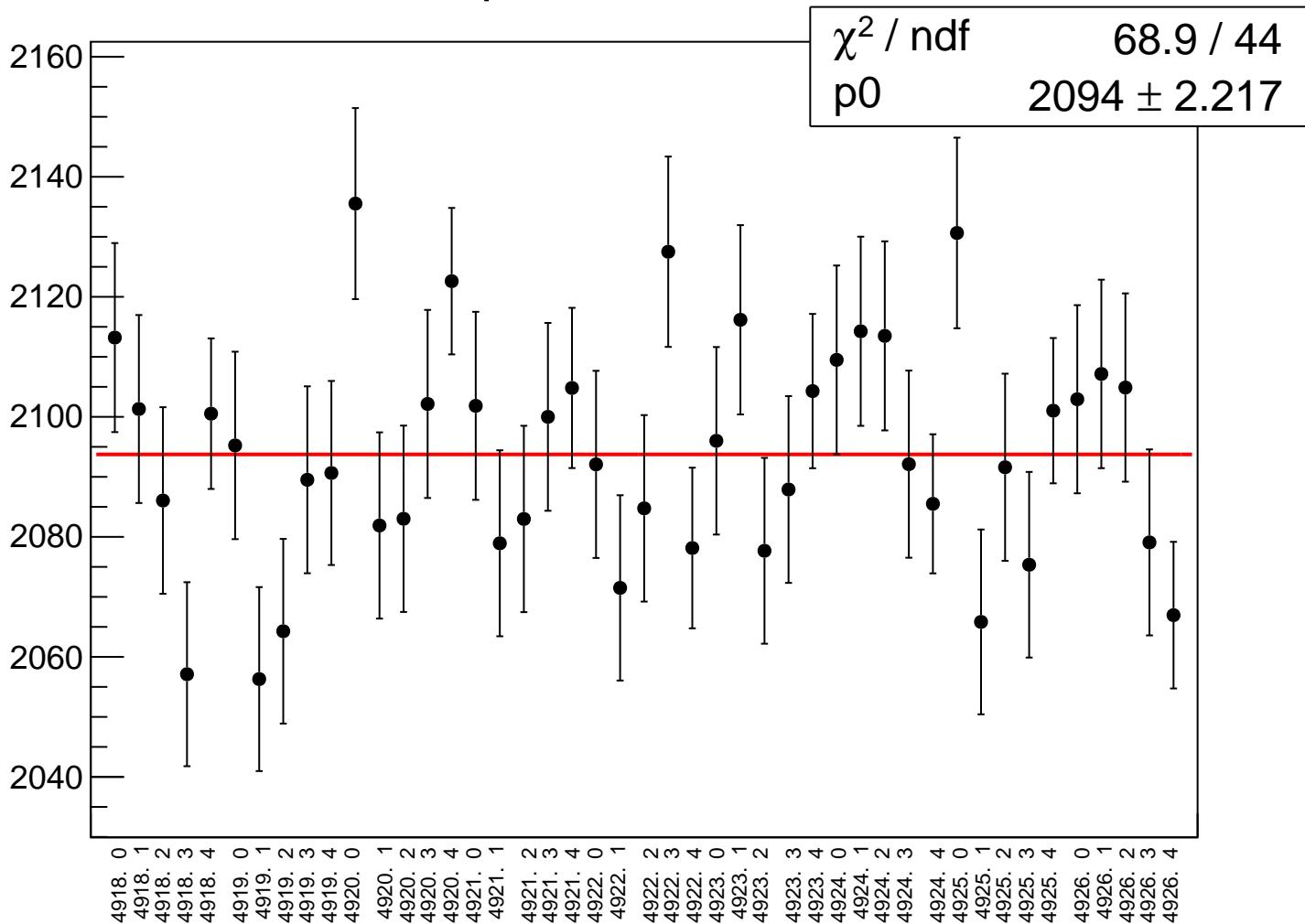
# diff\_bpmon07X\_rms vs run



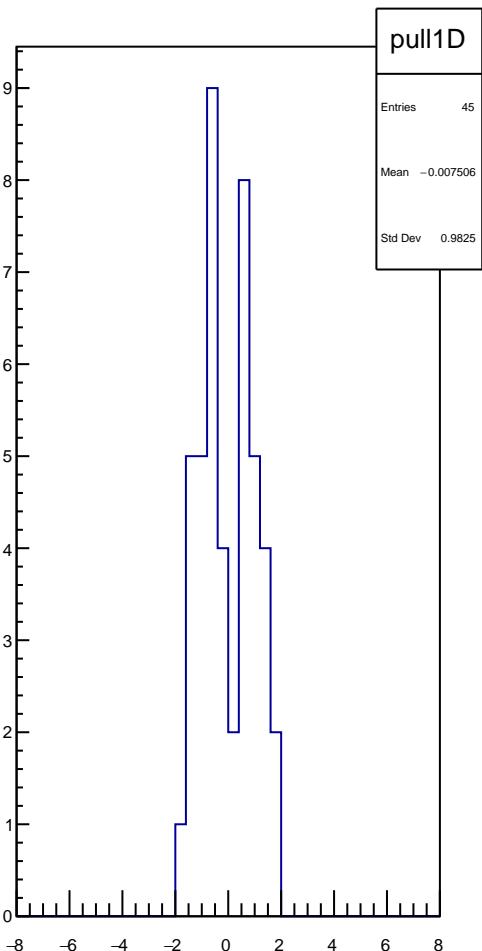
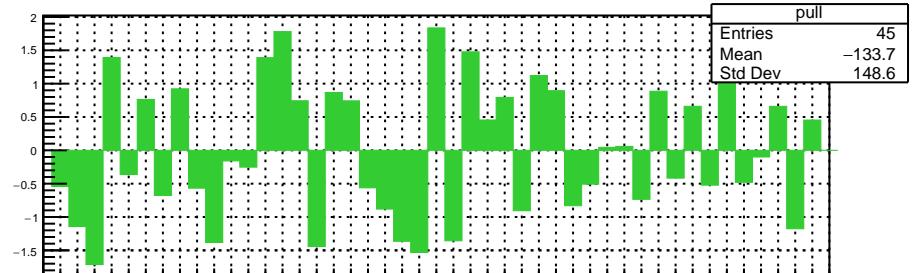
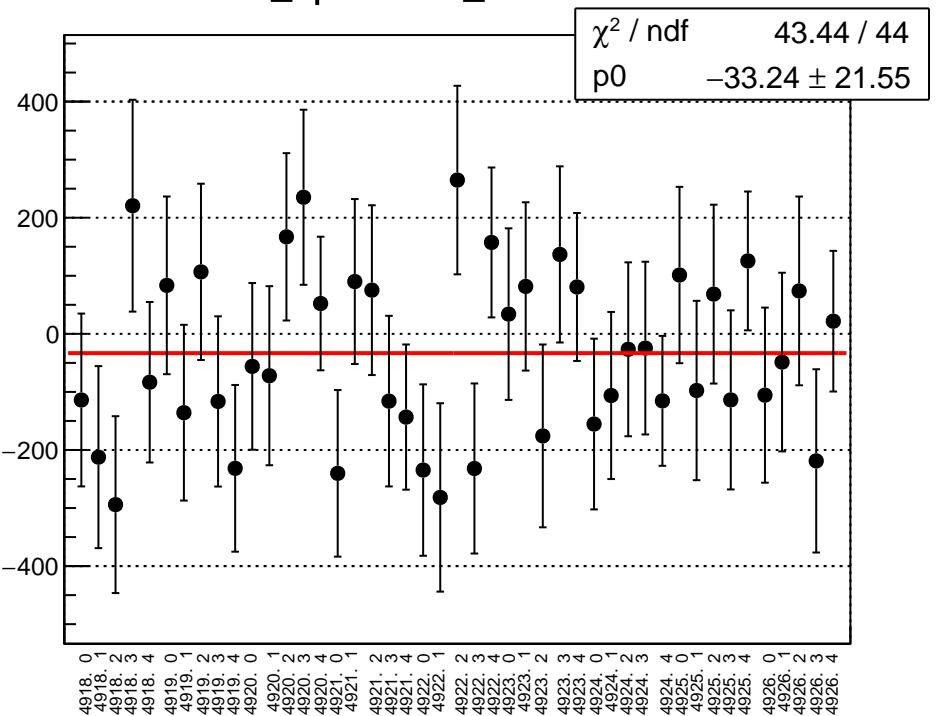
# diff\_bpm0l07Y\_mean vs run



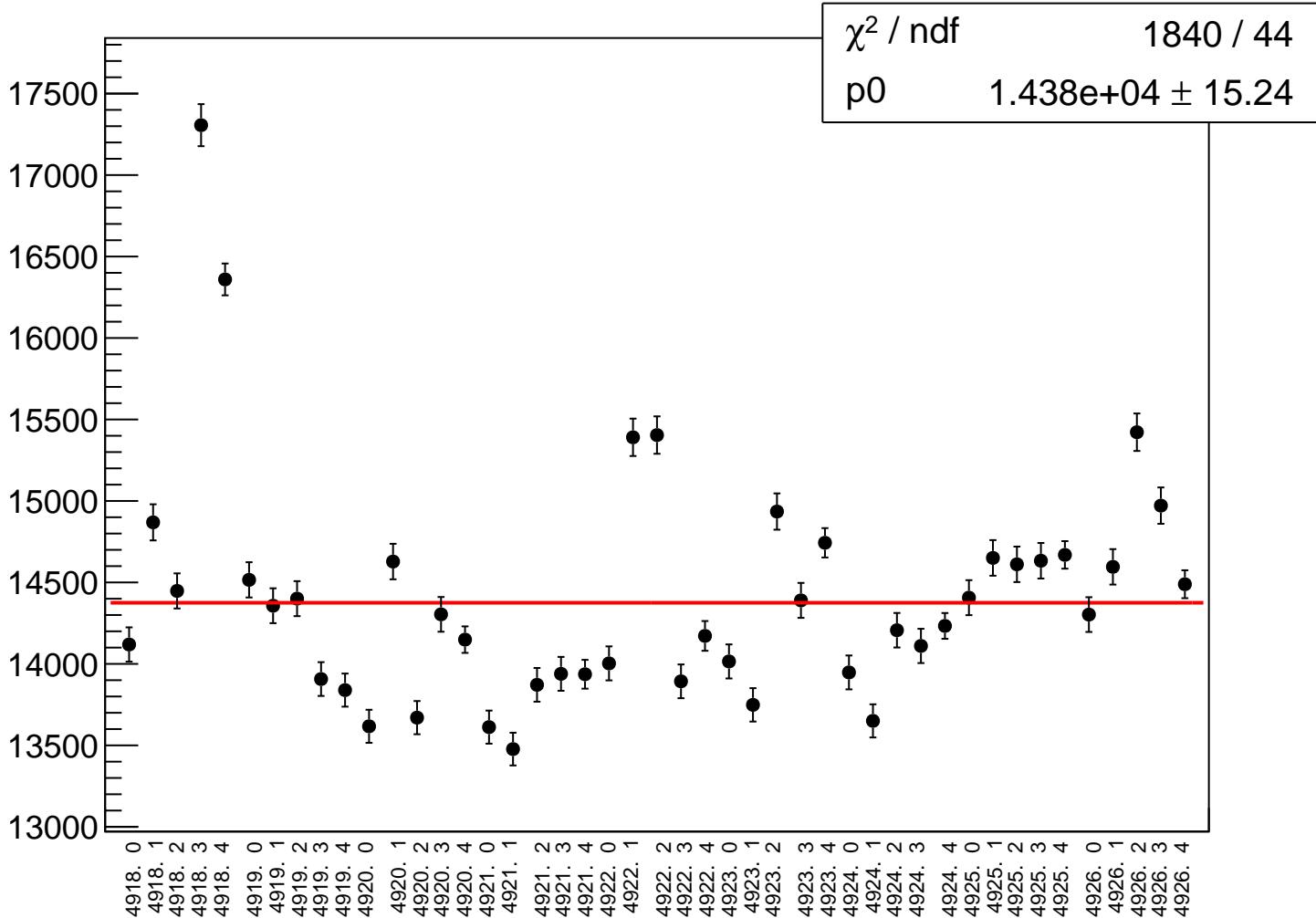
# diff\_bpm0I07Y\_rms vs run



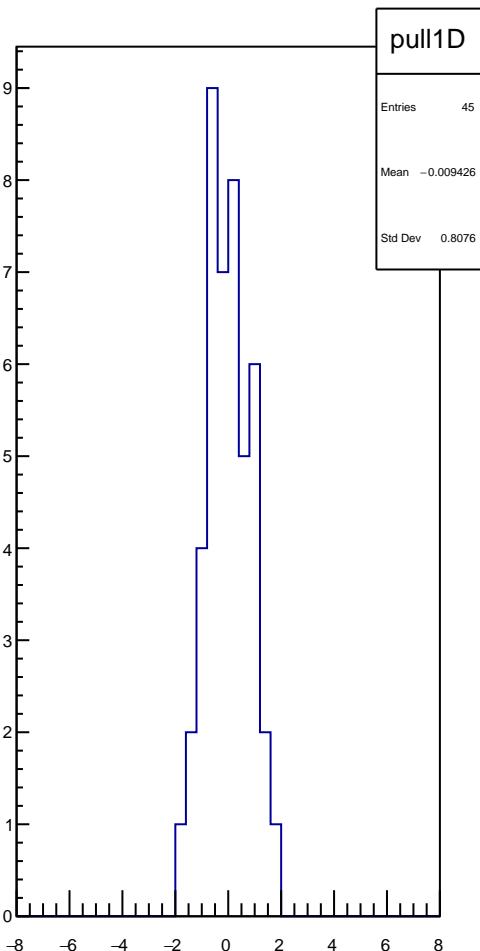
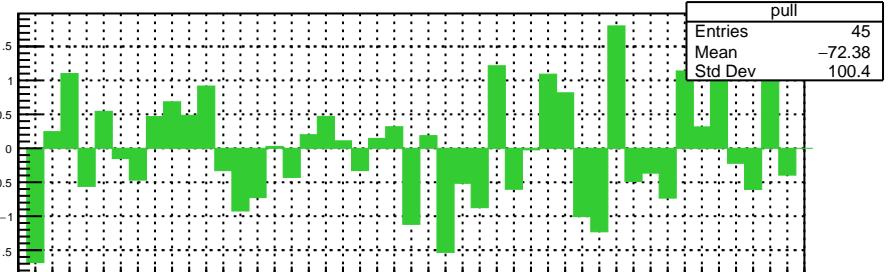
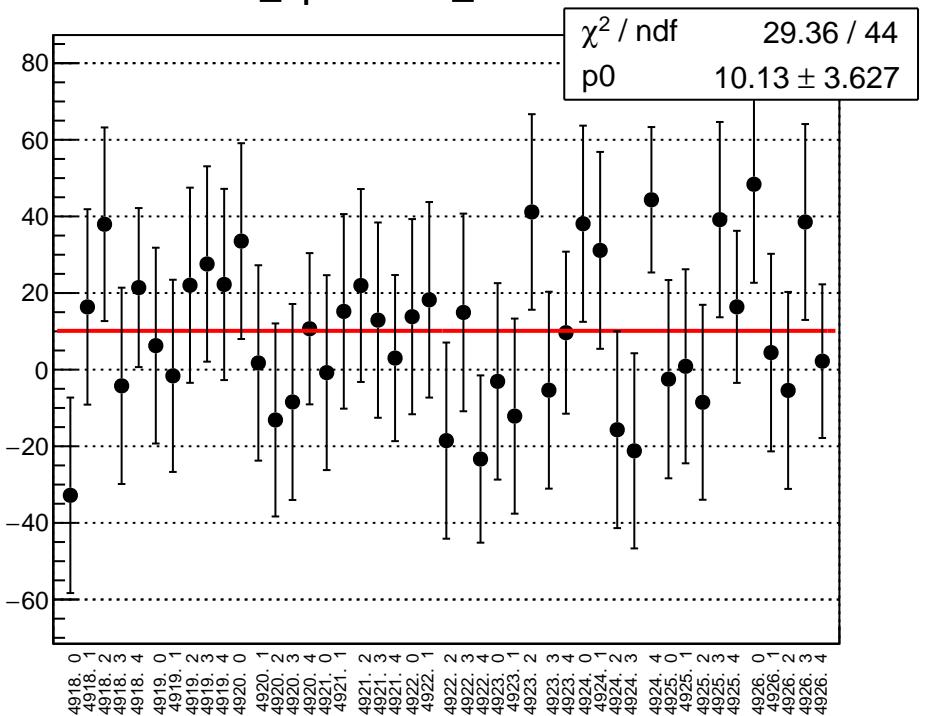
# diff\_bpm0l08X\_mean vs run



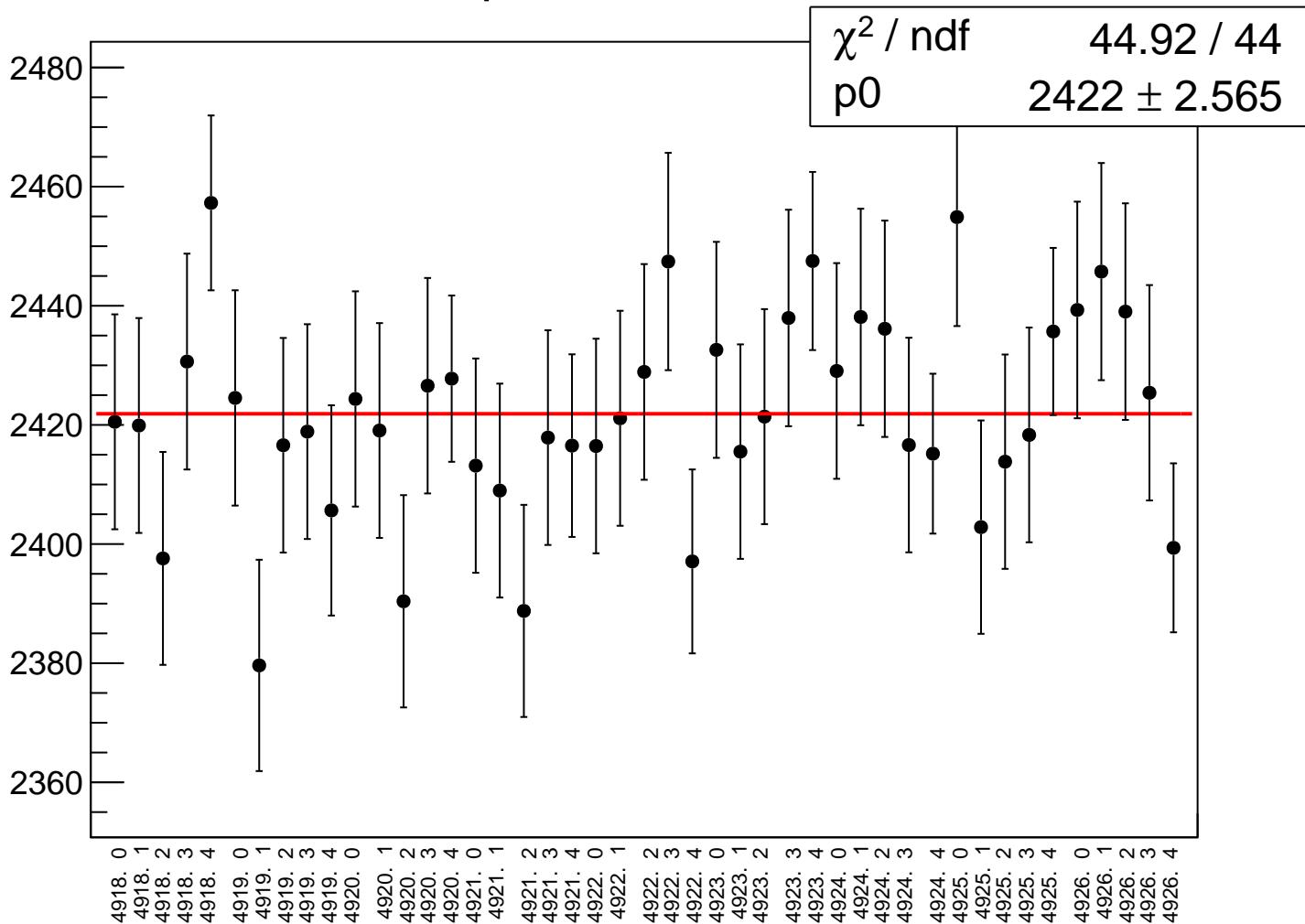
# diff\_bpmon08X\_rms vs run



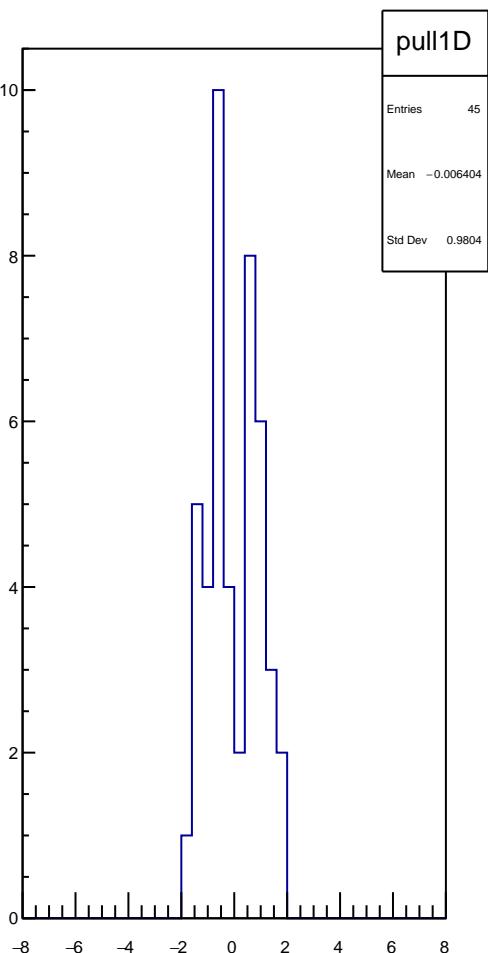
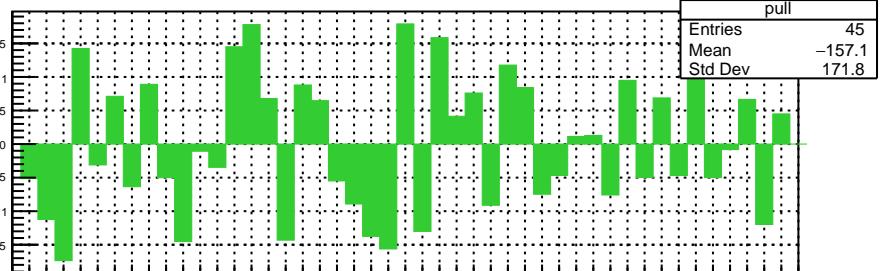
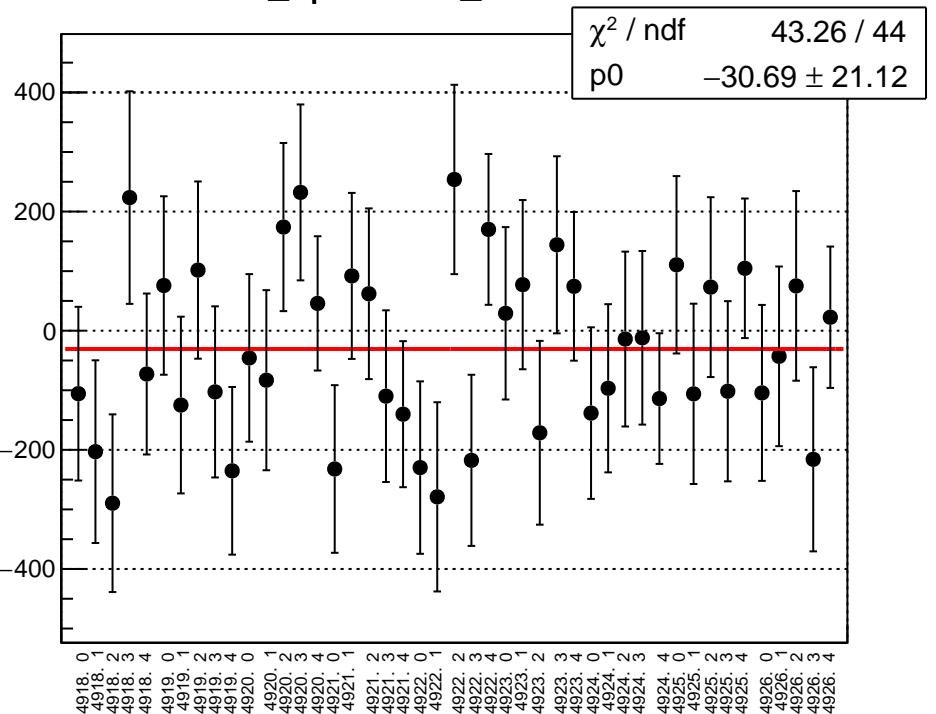
# diff\_bpm0l08Y\_mean vs run



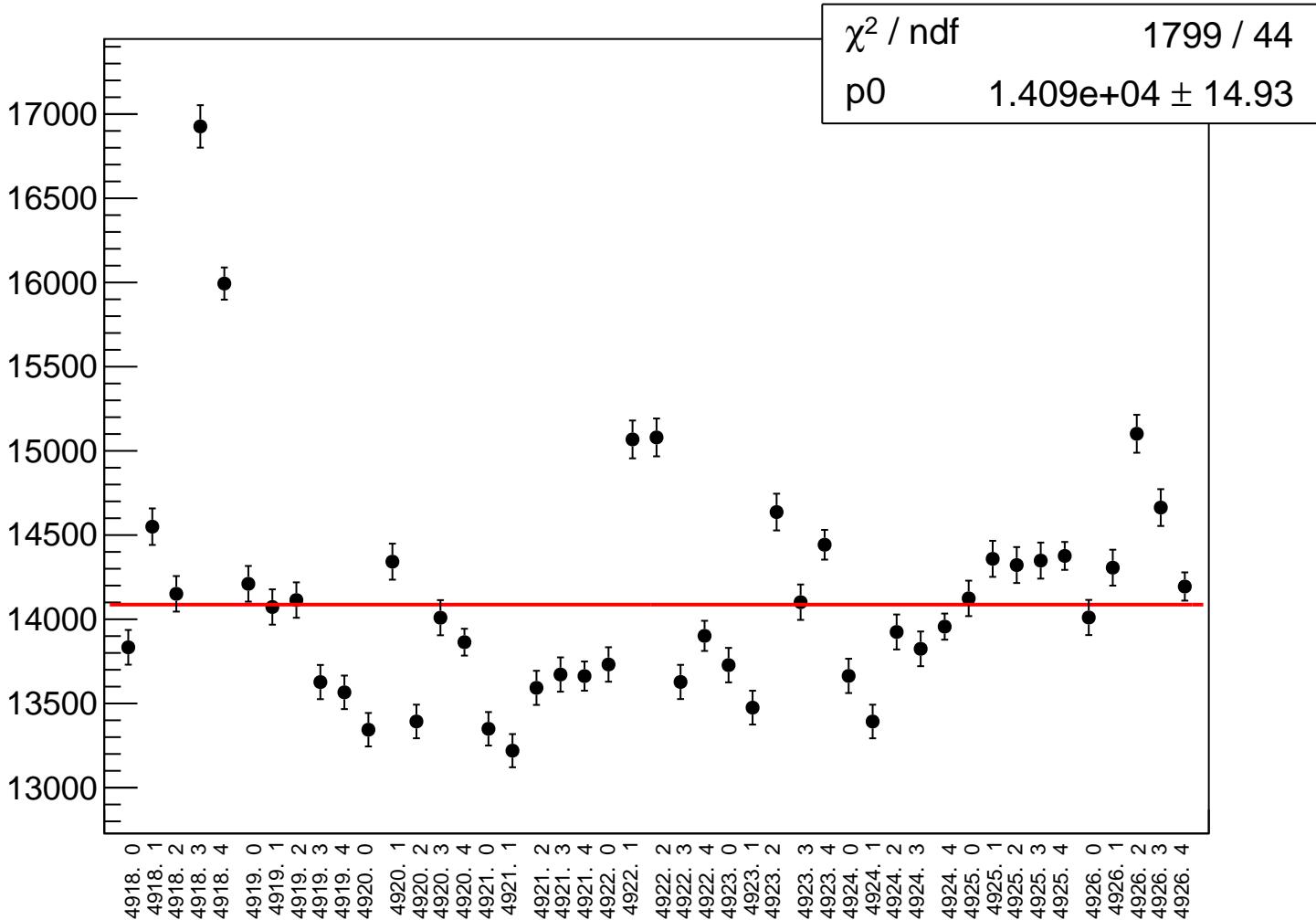
# diff\_bpmon08Y\_rms vs run



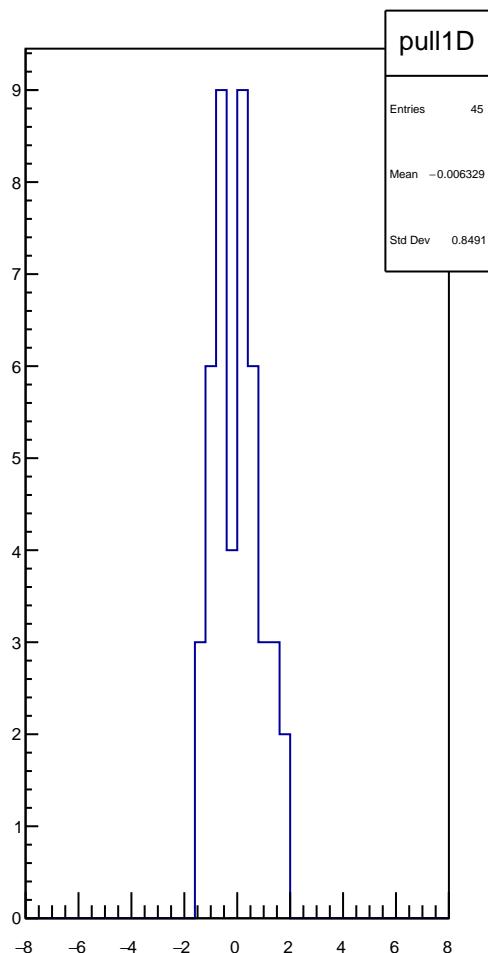
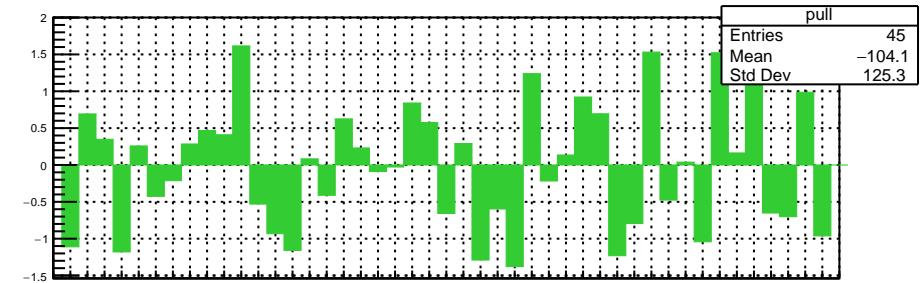
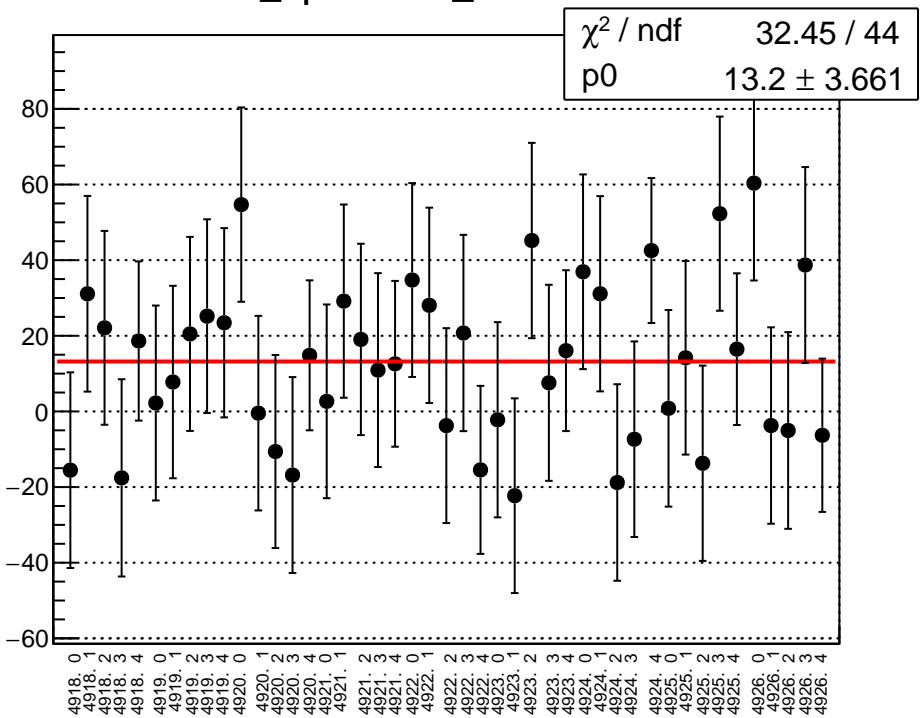
# diff\_bpm0l09X\_mean vs run



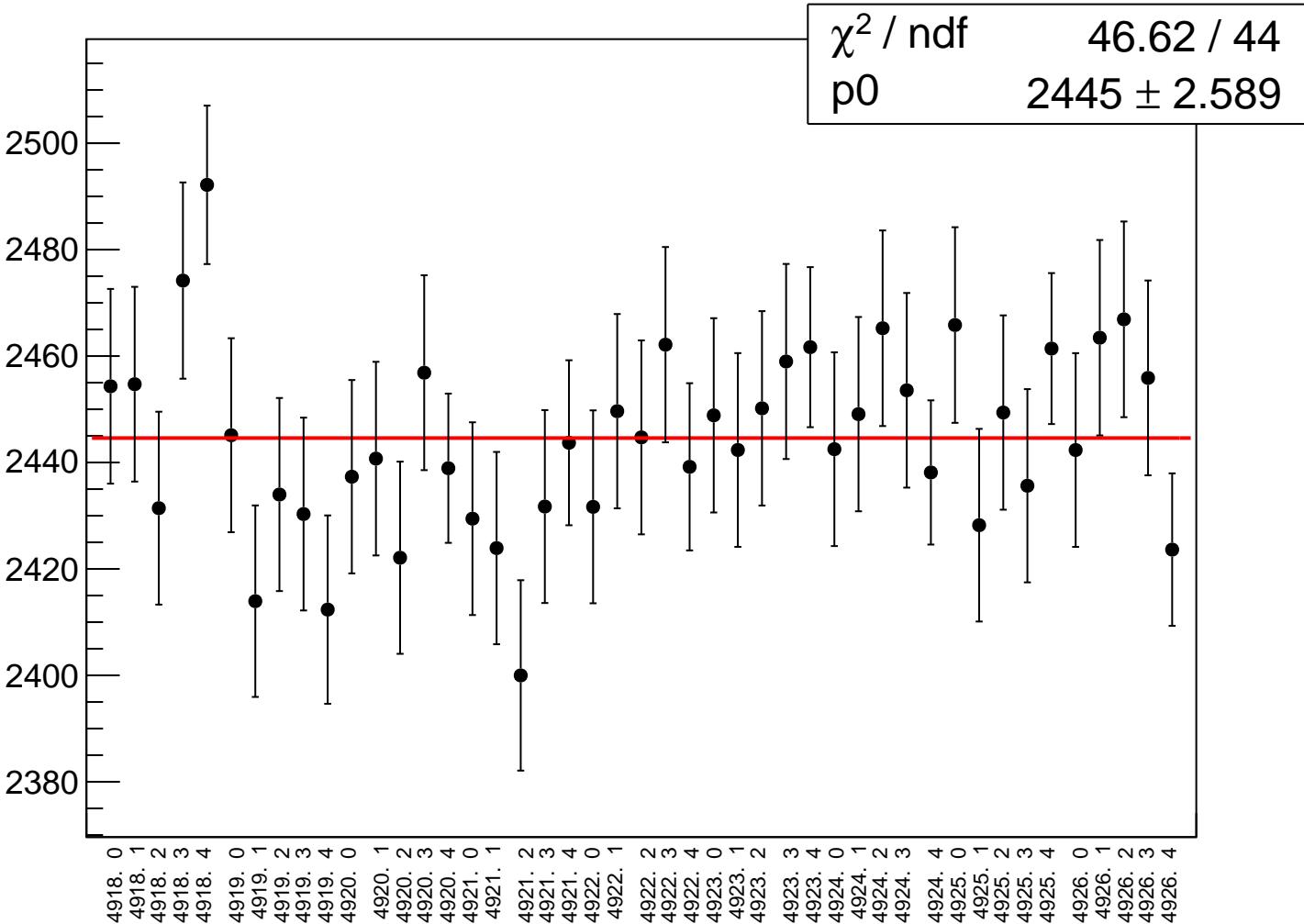
# diff\_bpmon09X\_rms vs run



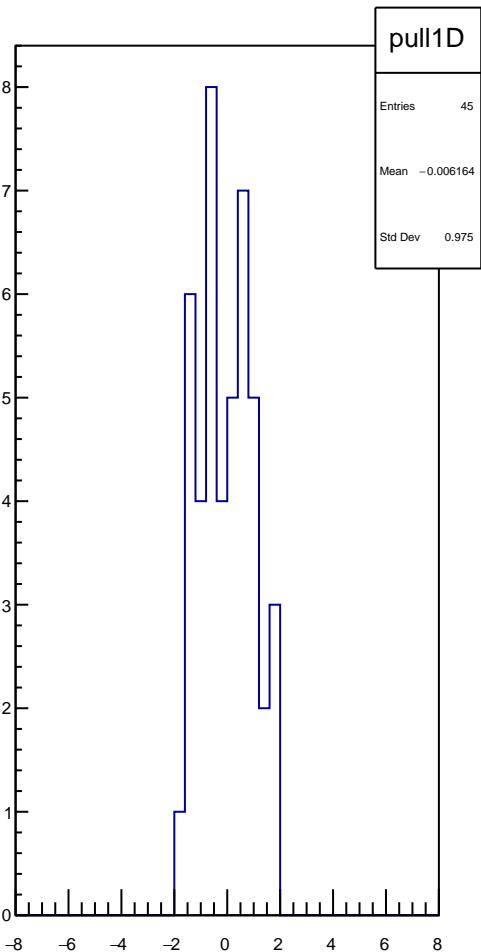
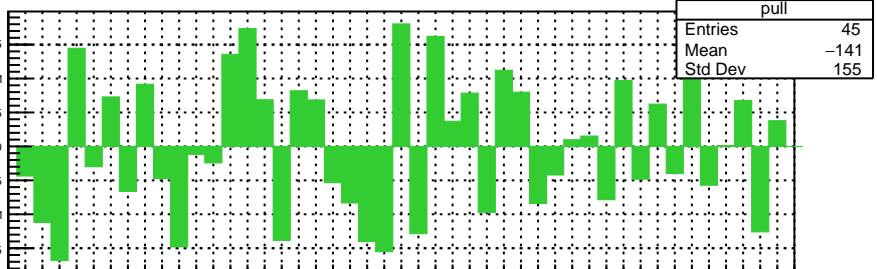
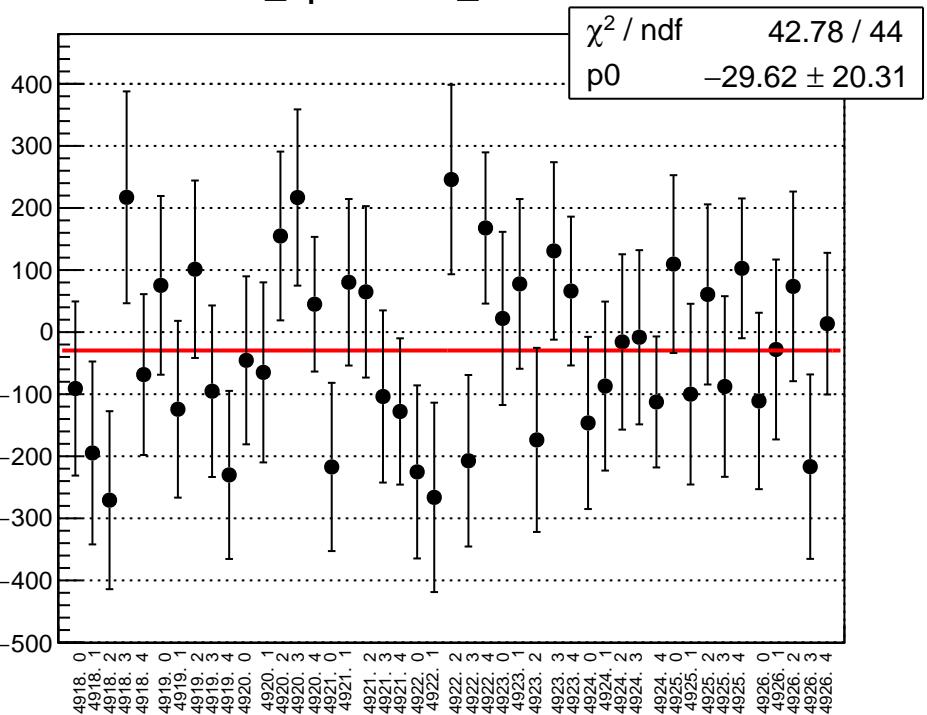
# diff\_bpm0l09Y\_mean vs run



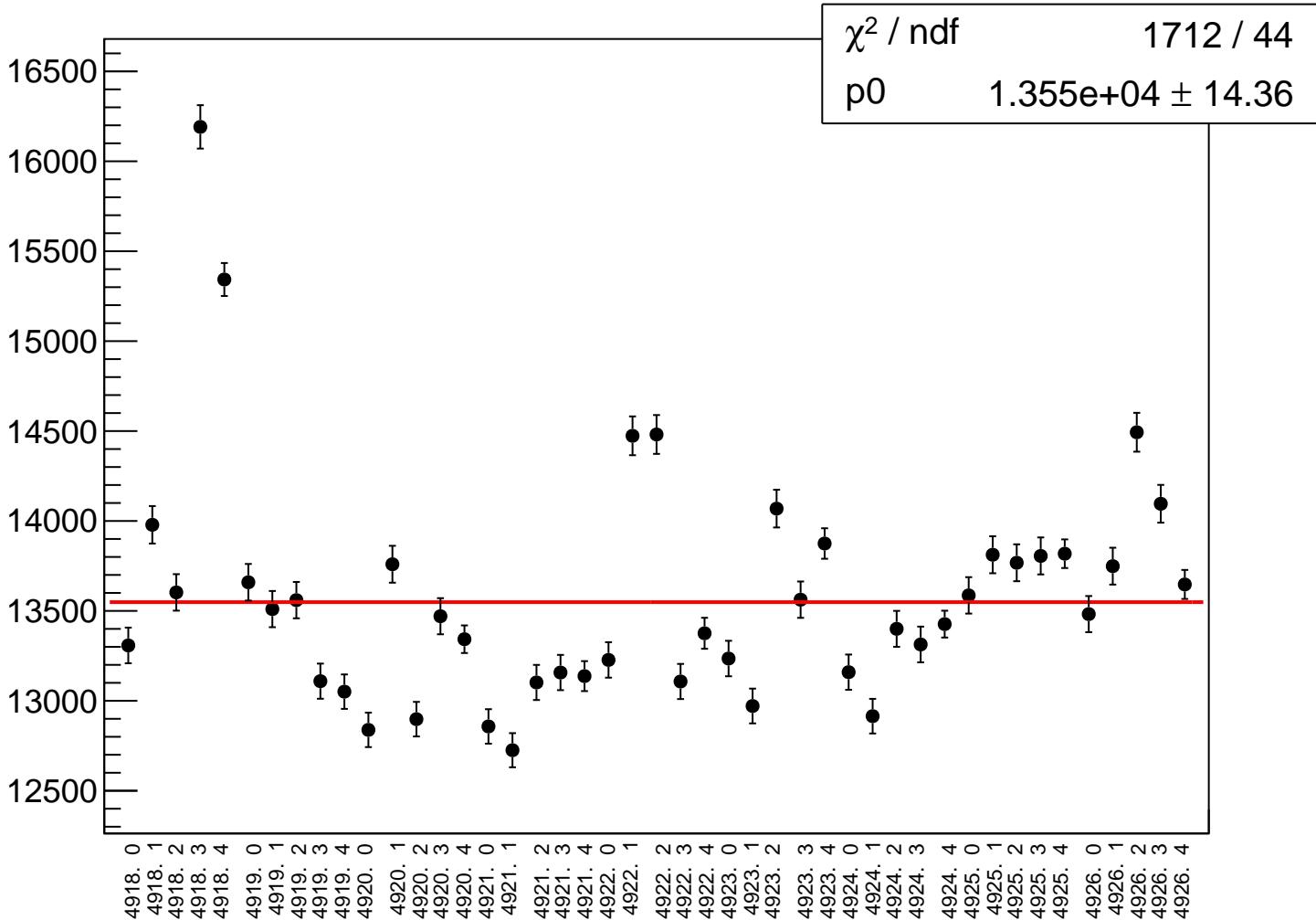
# diff\_bpm0I09Y\_rms vs run



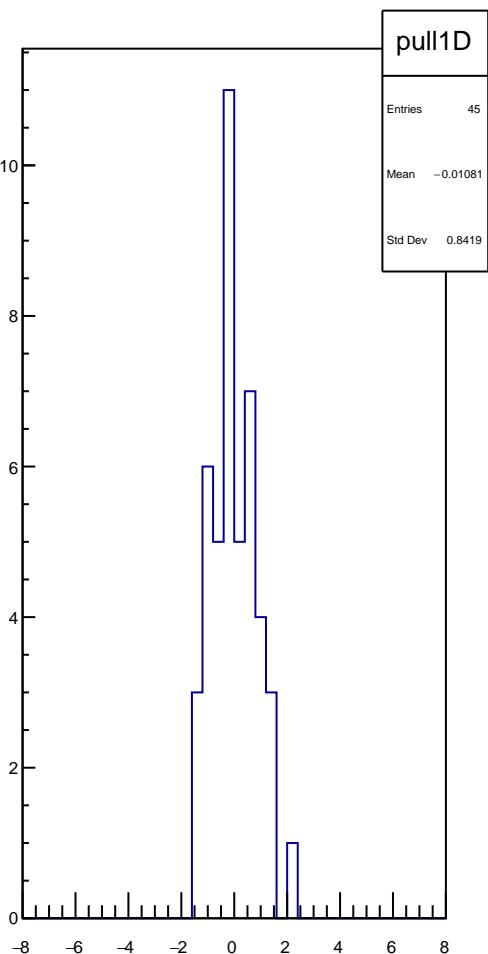
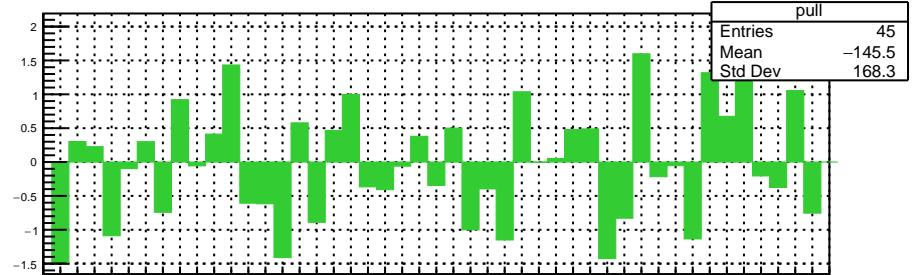
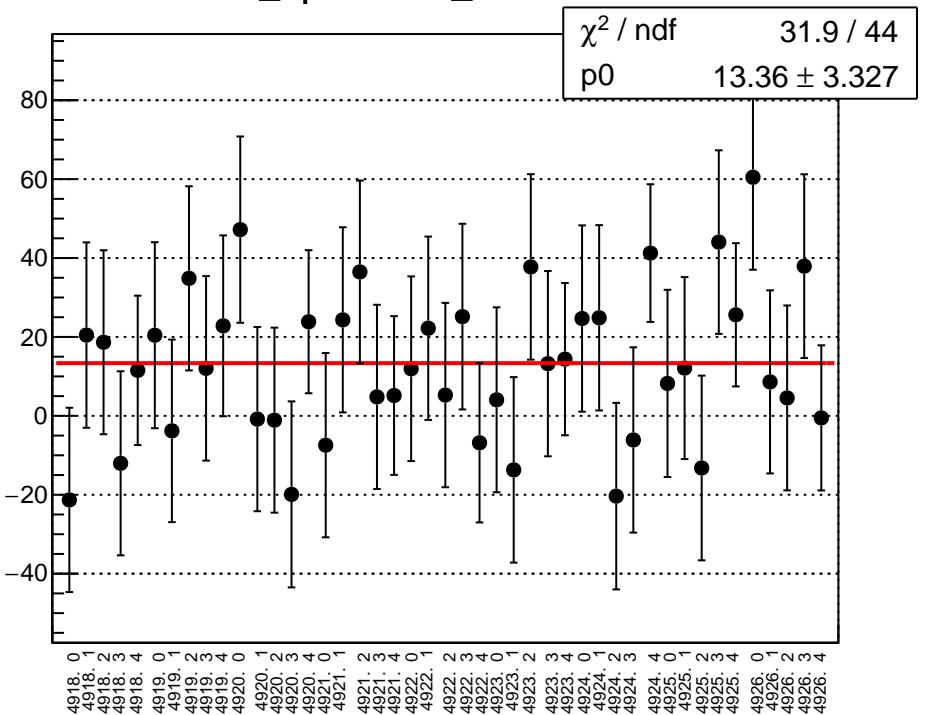
# diff\_bpm0l10X\_mean vs run



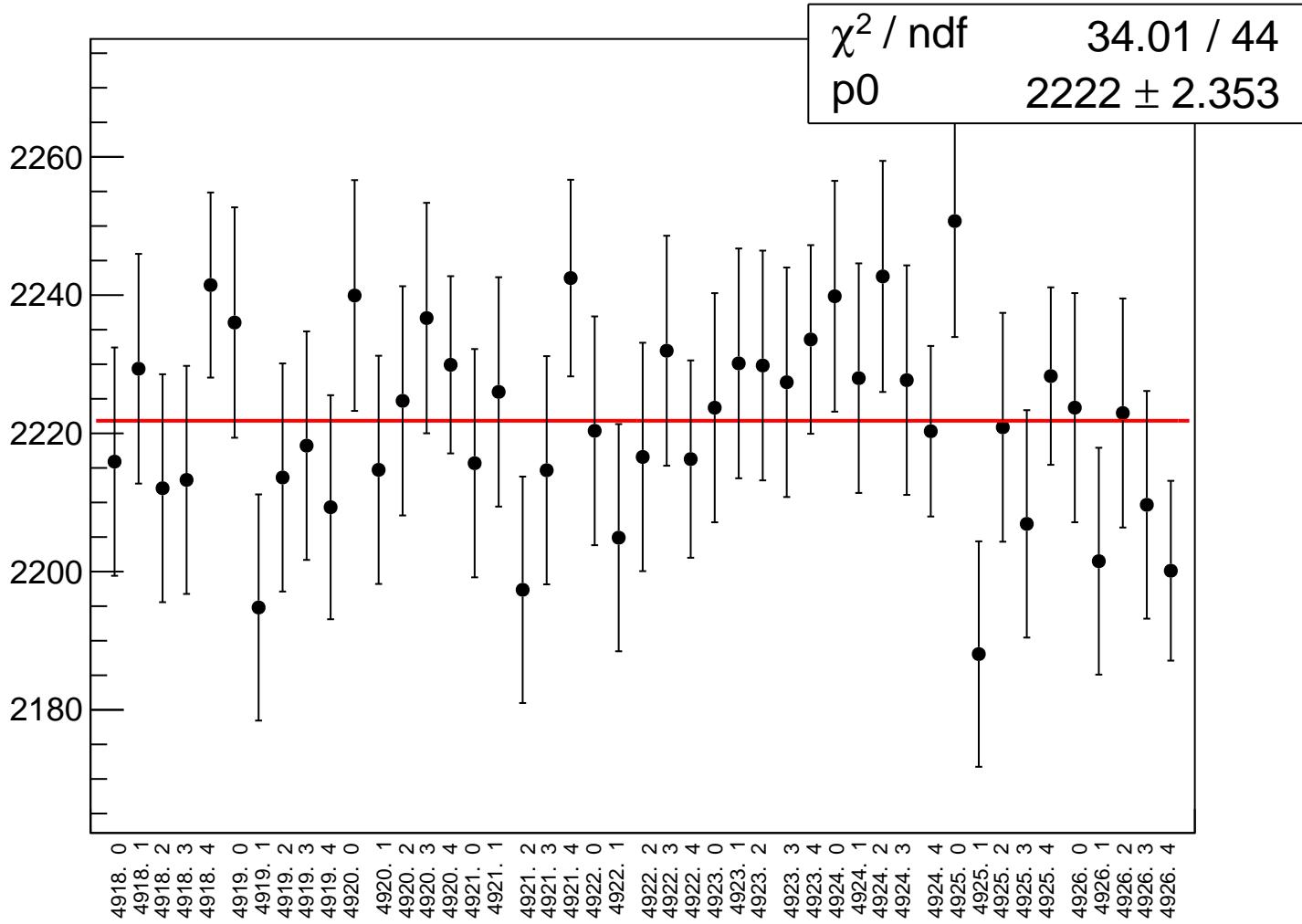
# diff\_bpm0I10X\_rms vs run



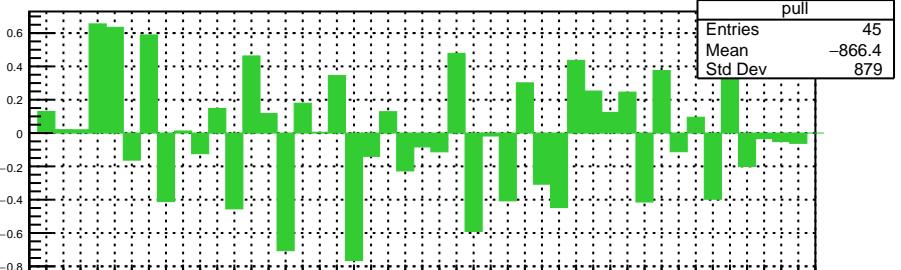
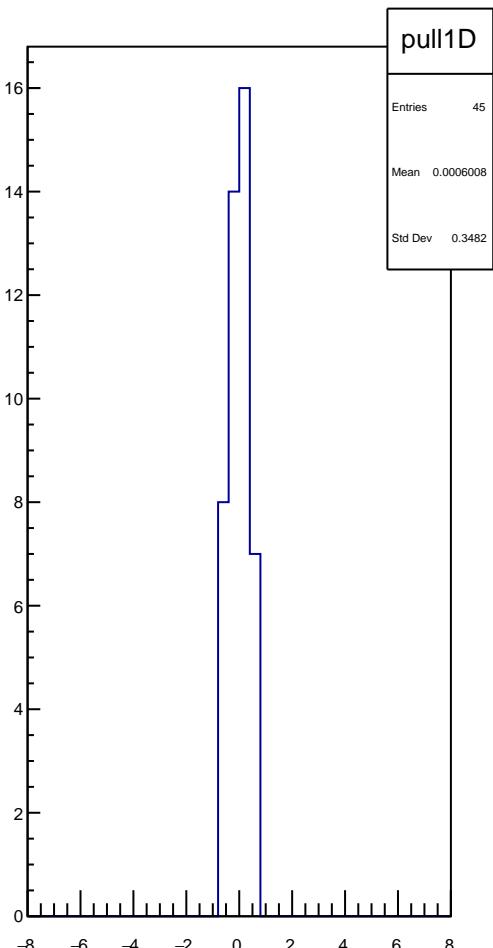
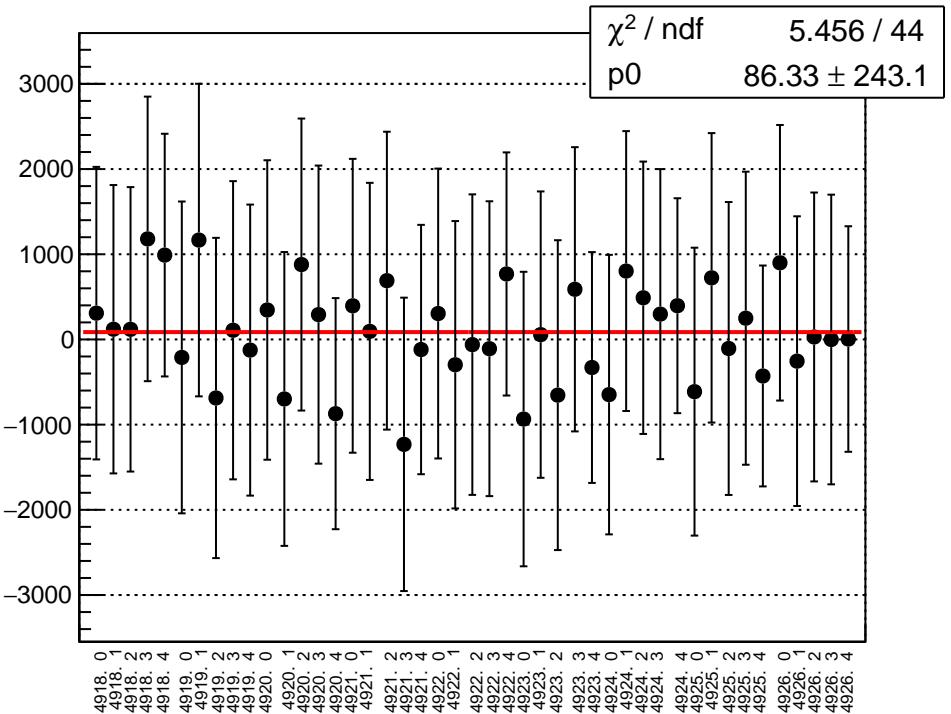
# diff\_bpm0I10Y\_mean vs run



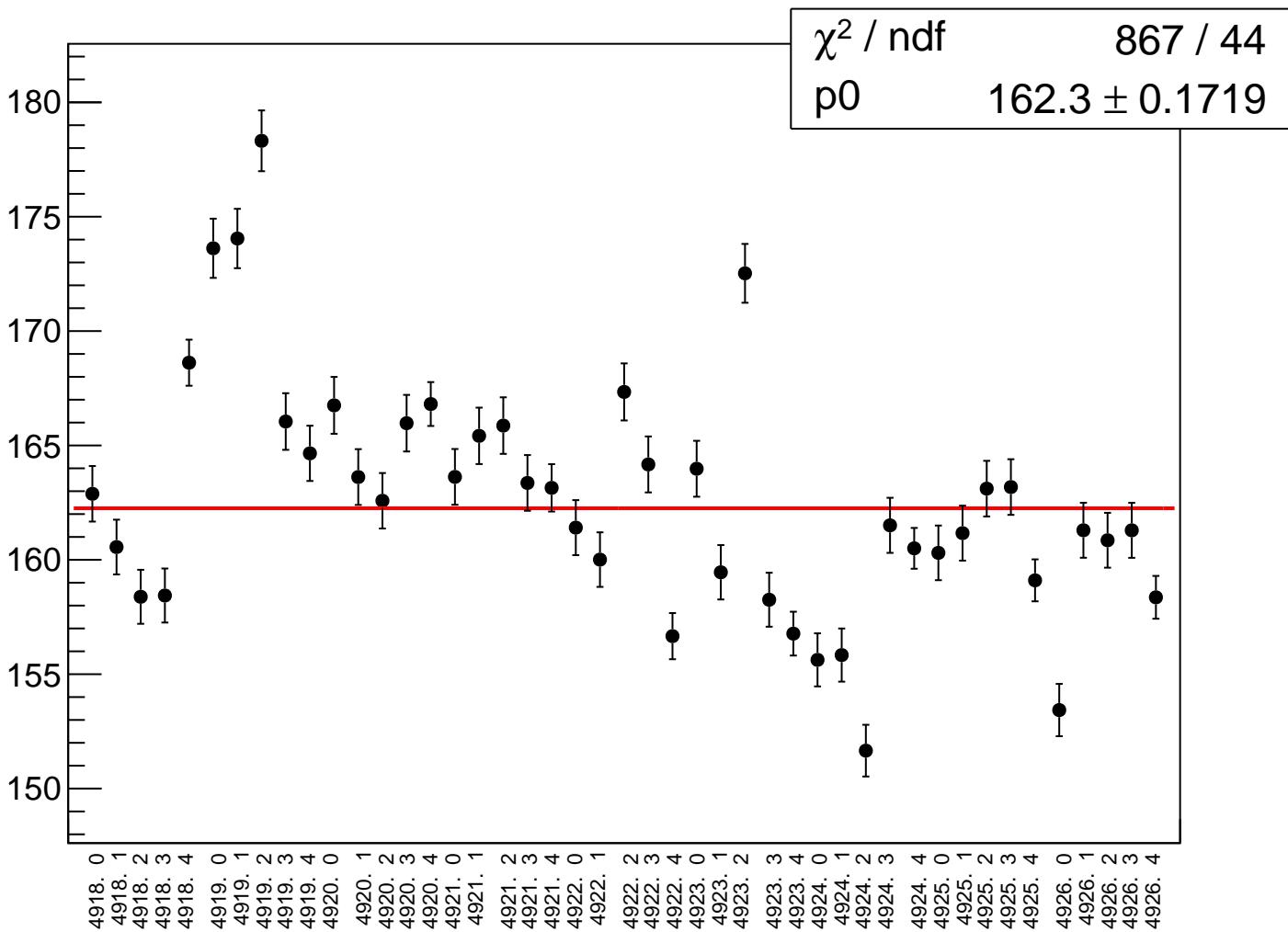
# diff\_bpm0I10Y\_rms vs run



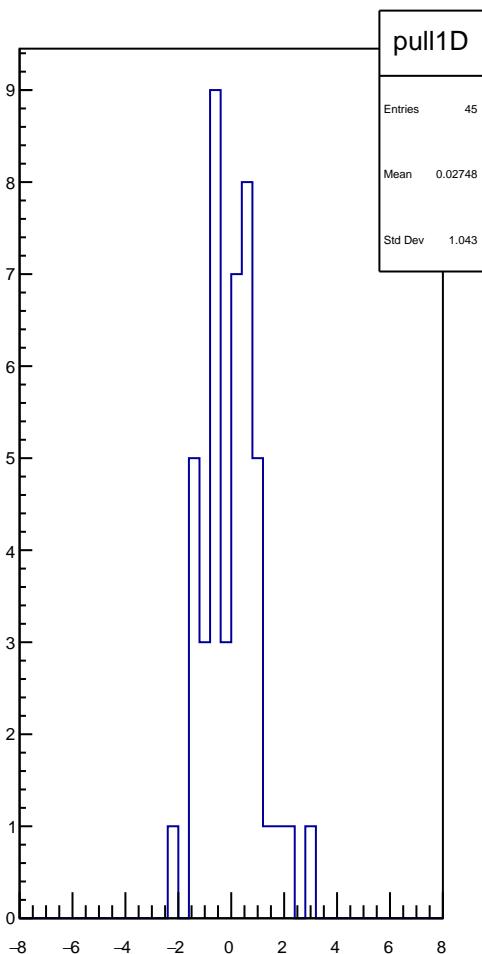
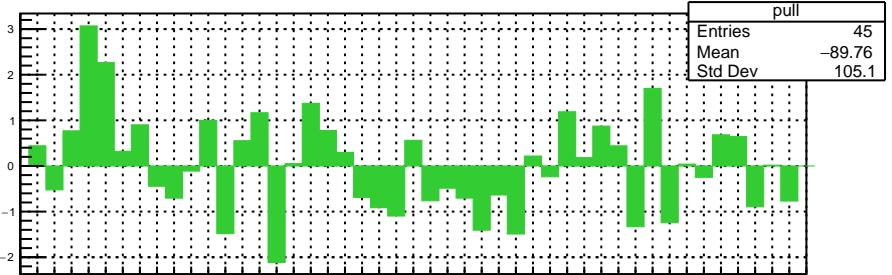
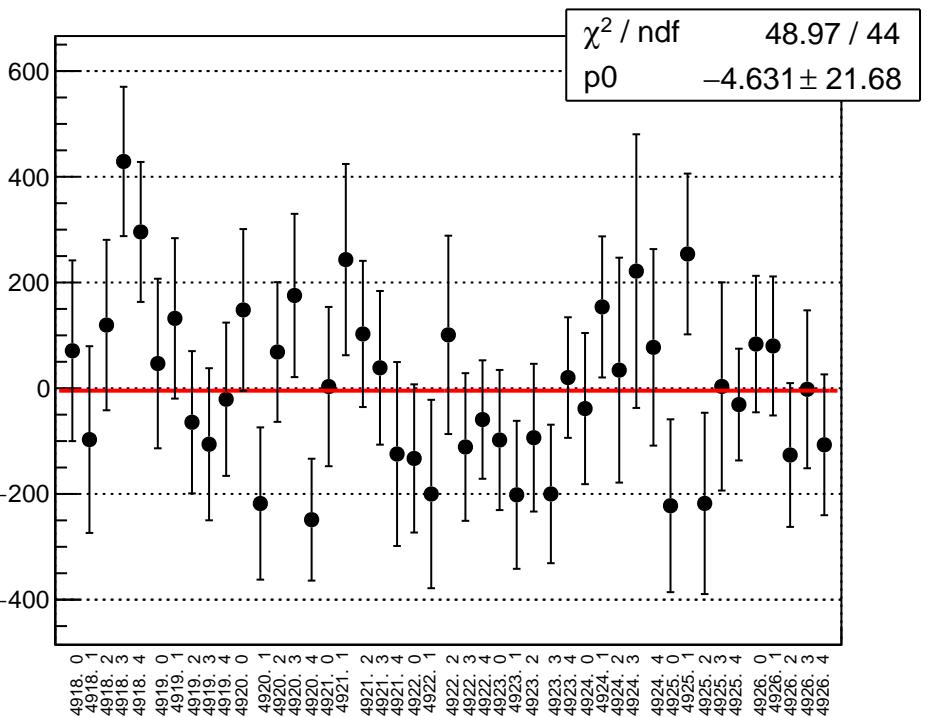
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



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

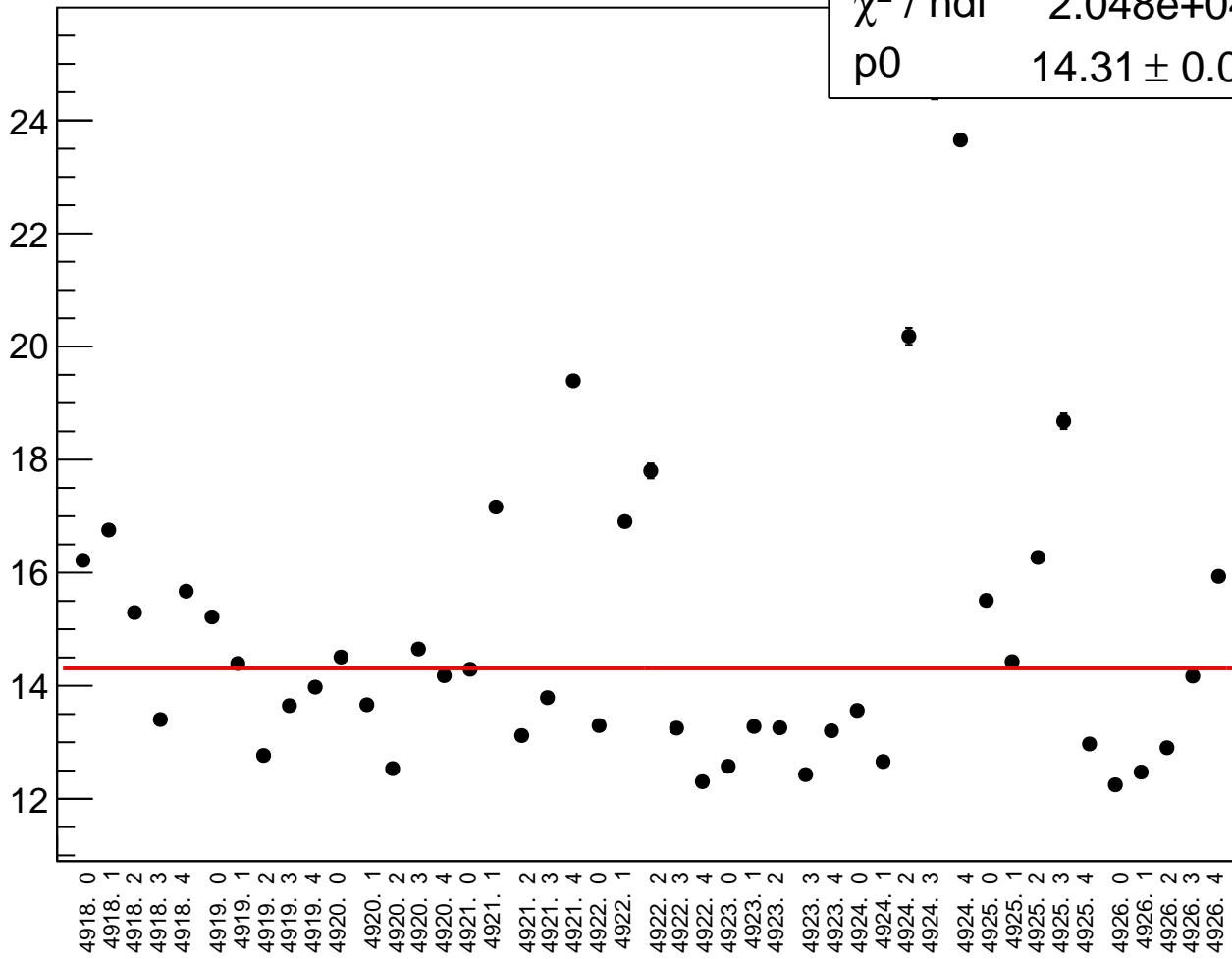


asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs run

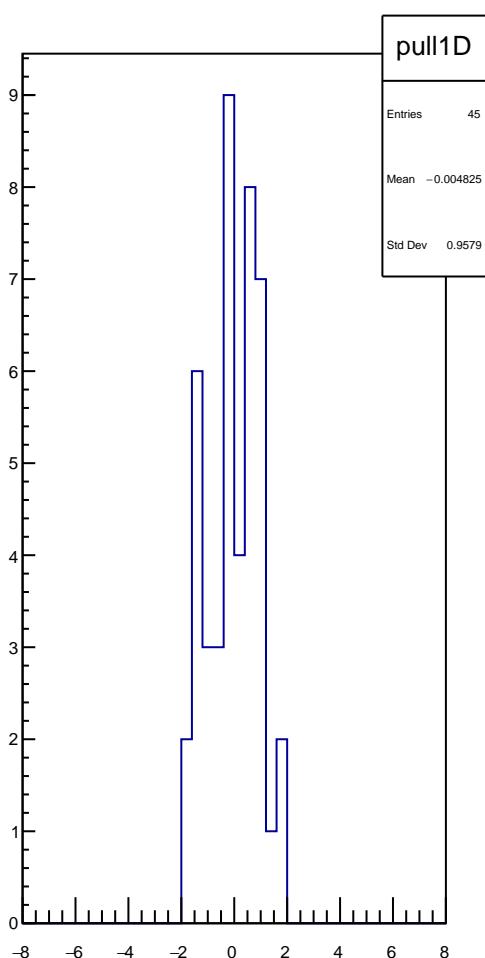
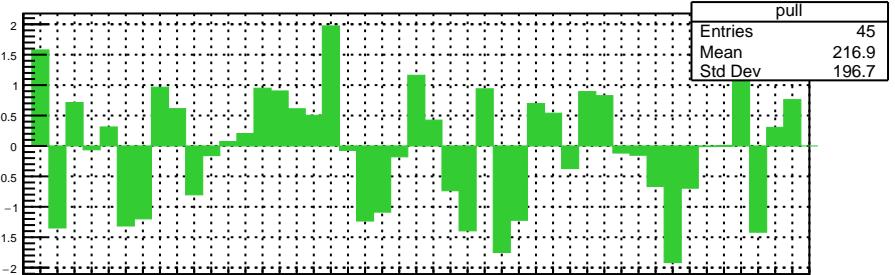
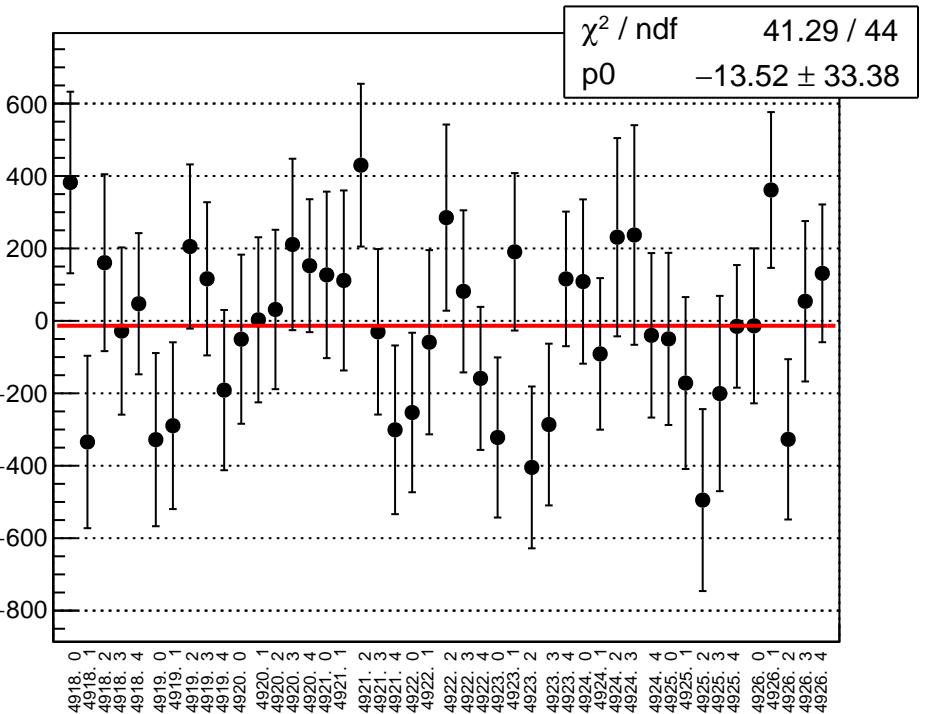


# asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs run

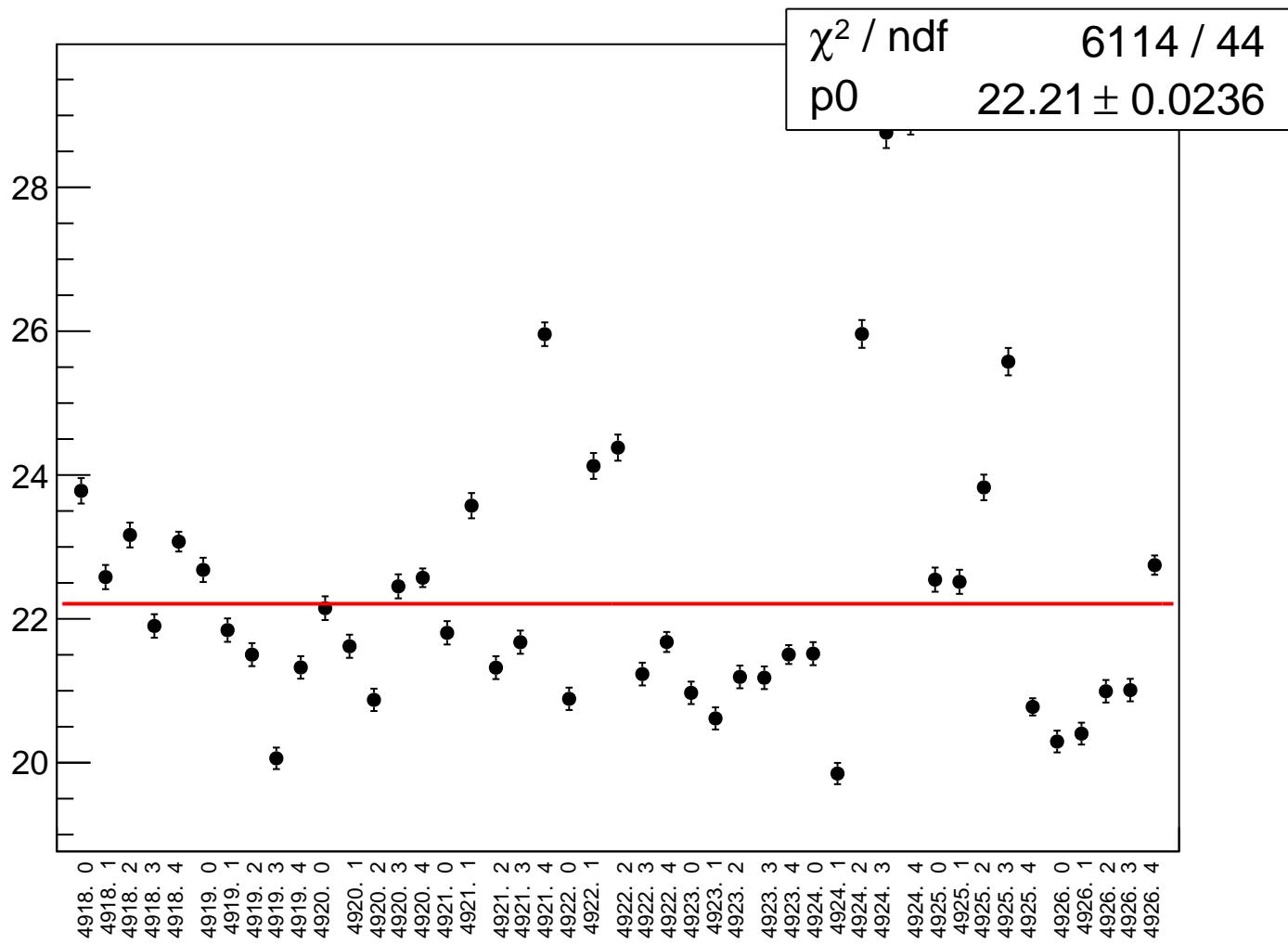
$\chi^2 / \text{ndf}$  2.048e+04 / 44  
p0  $14.31 \pm 0.01533$



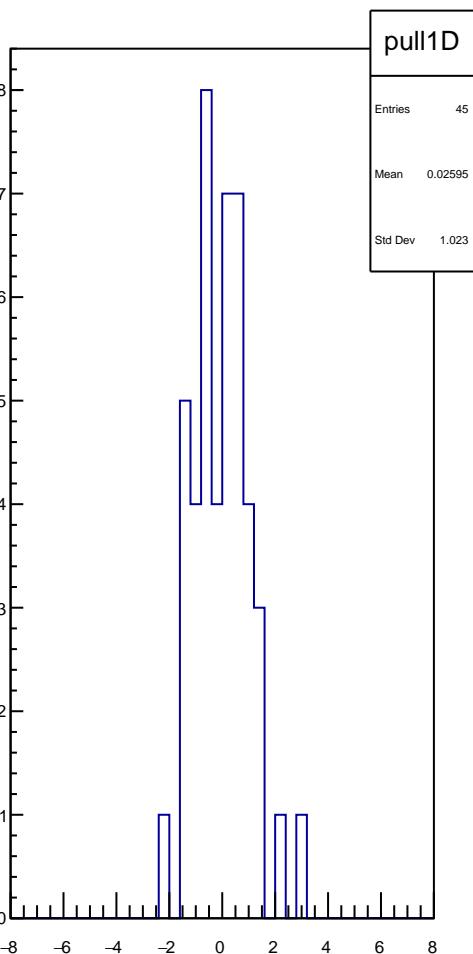
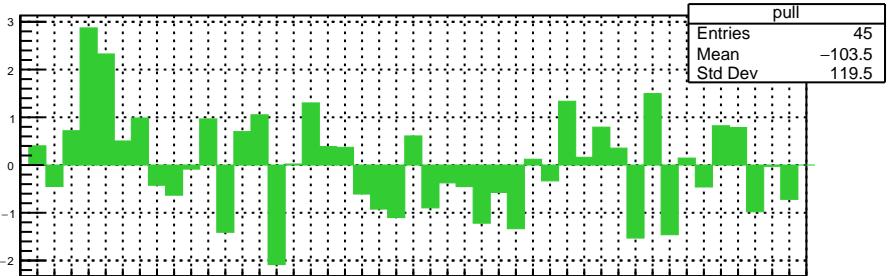
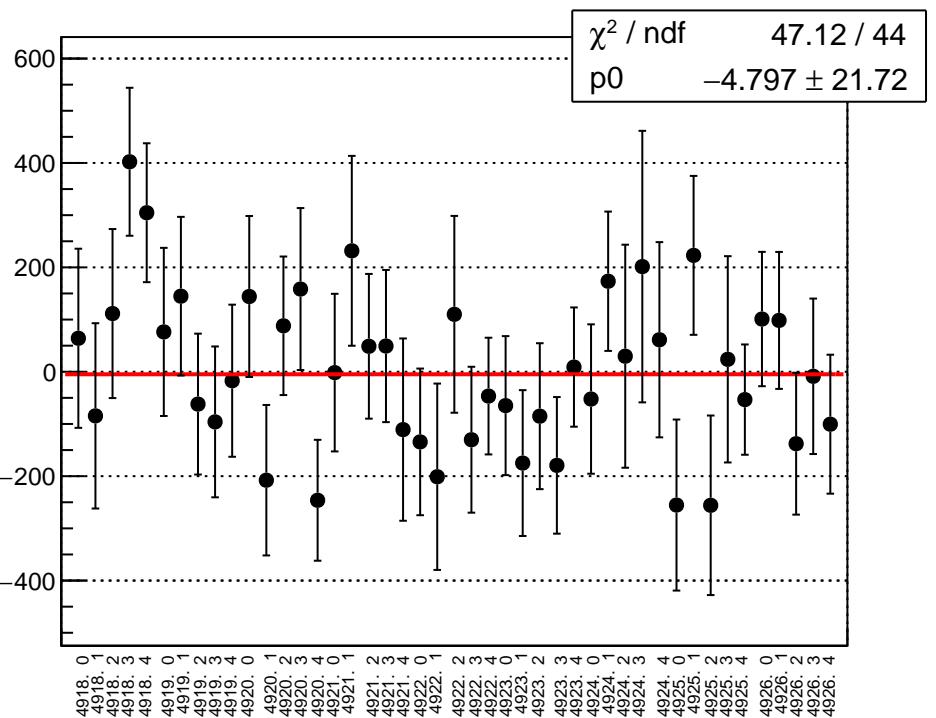
asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs run



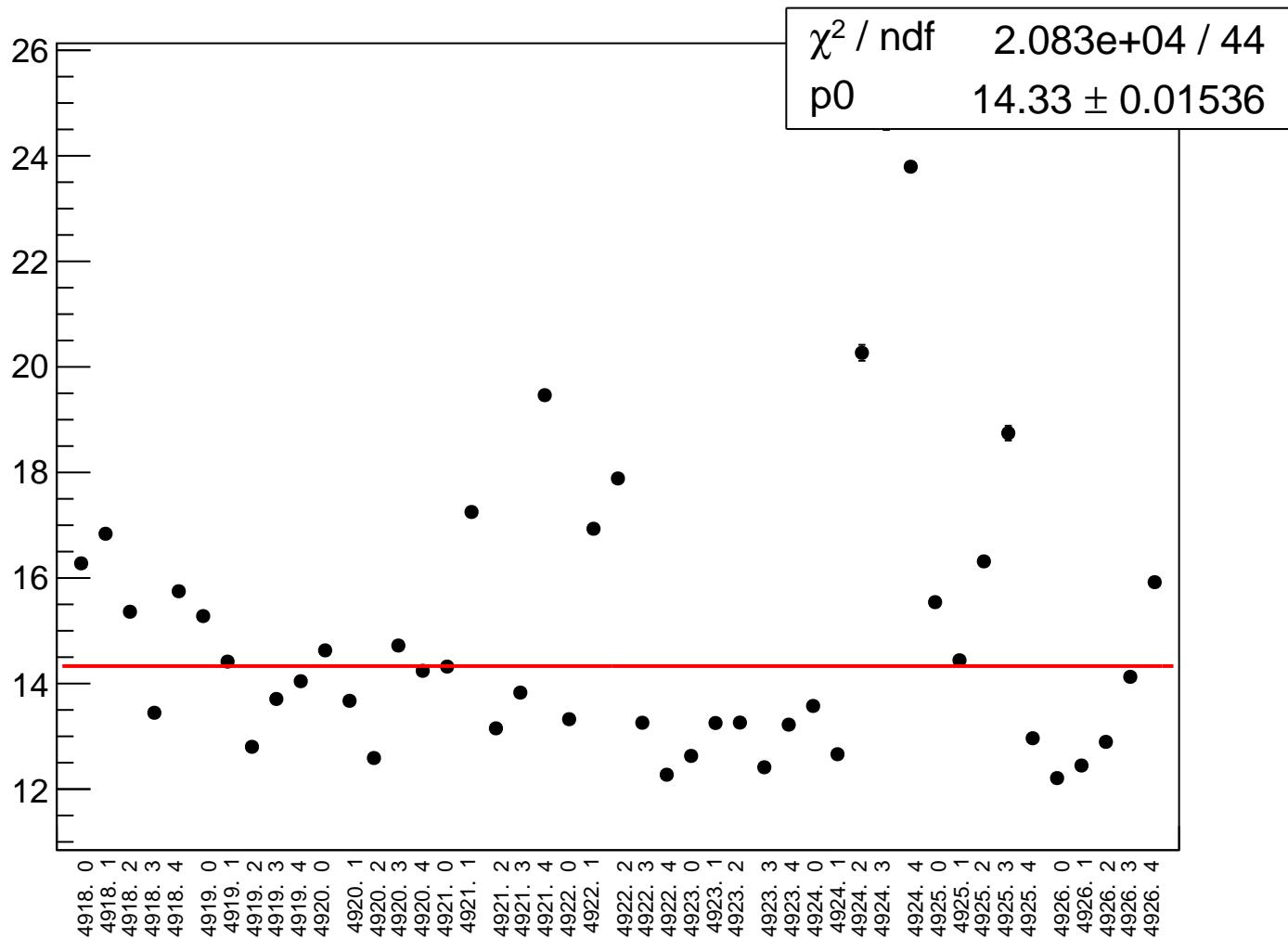
# asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run



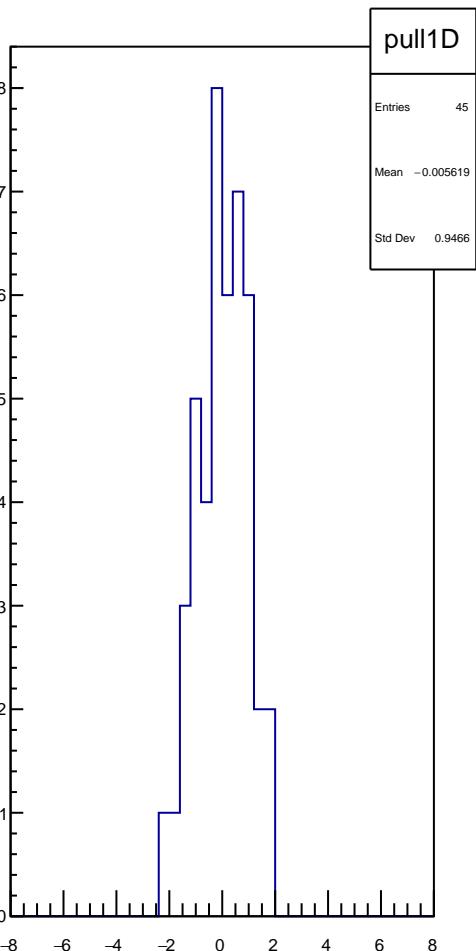
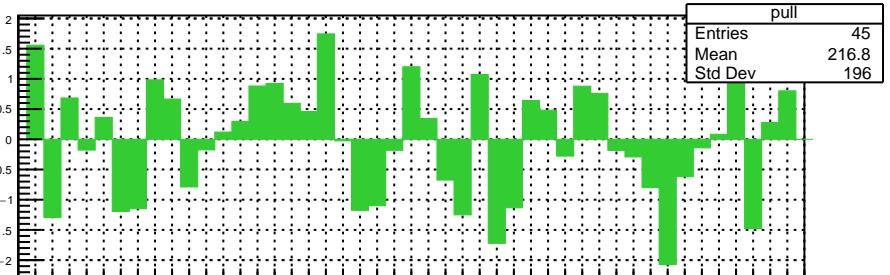
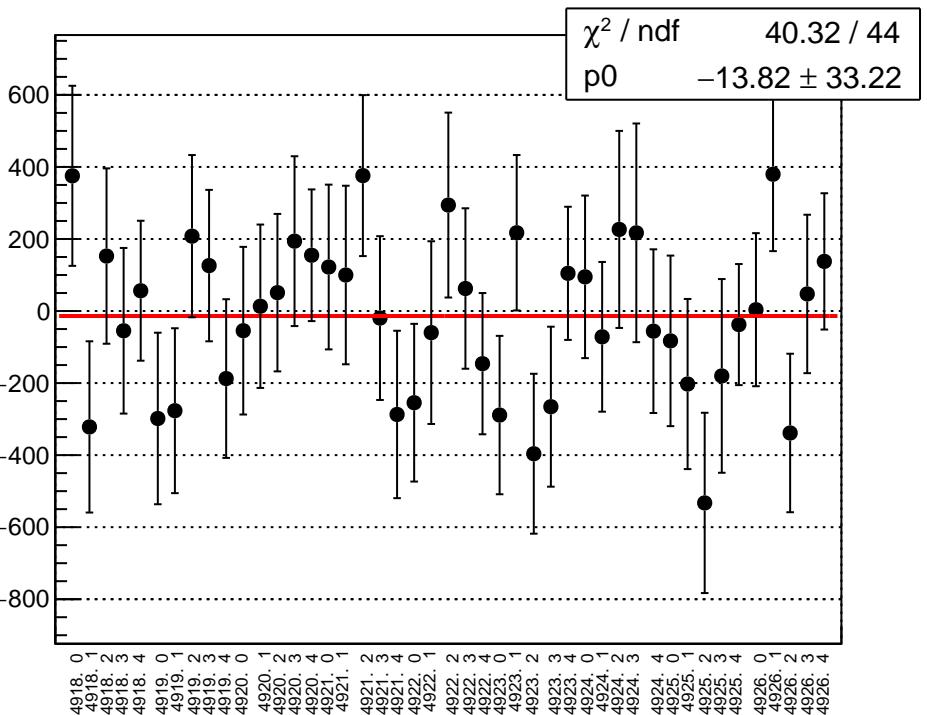
asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs run



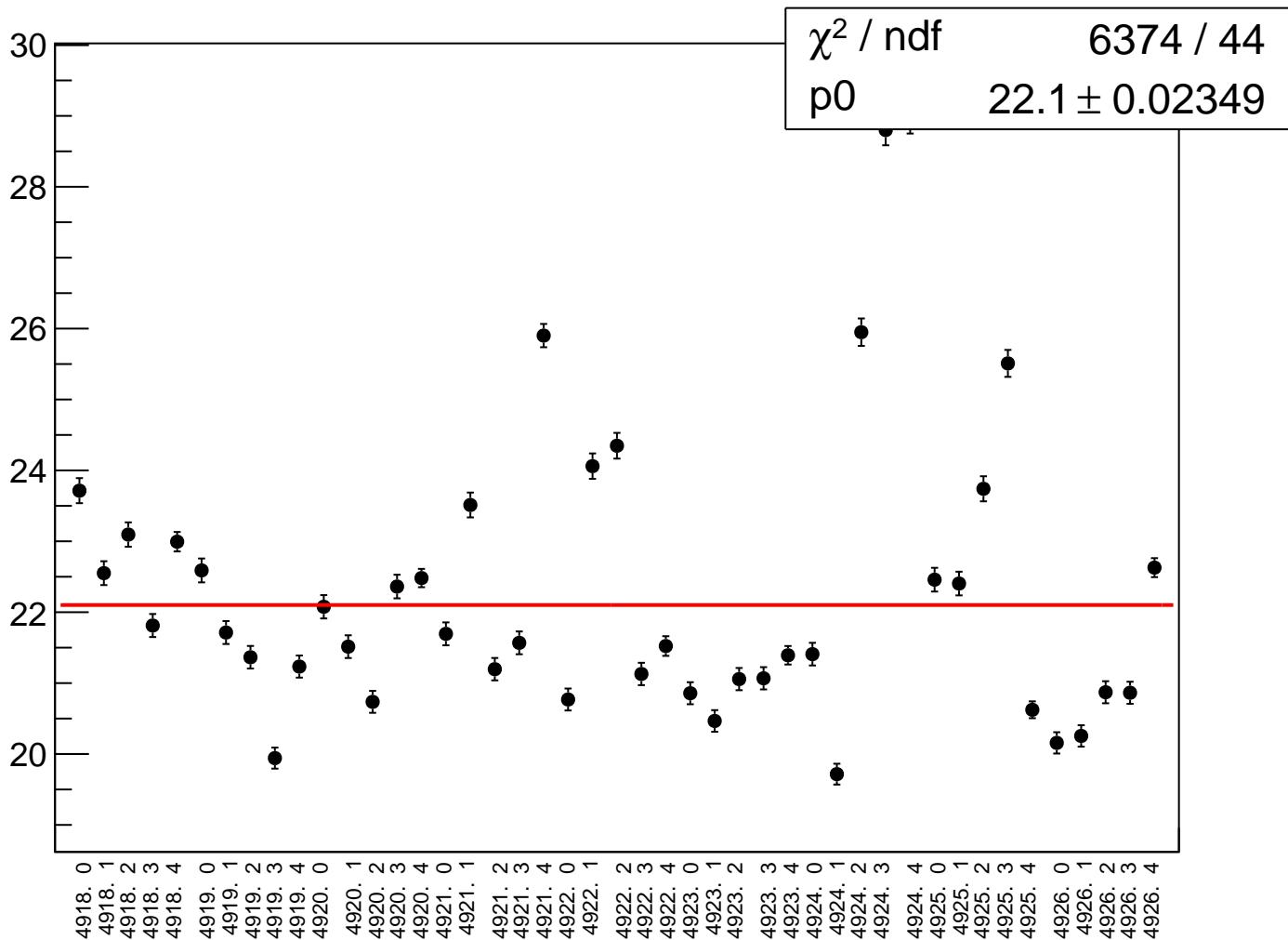
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs run



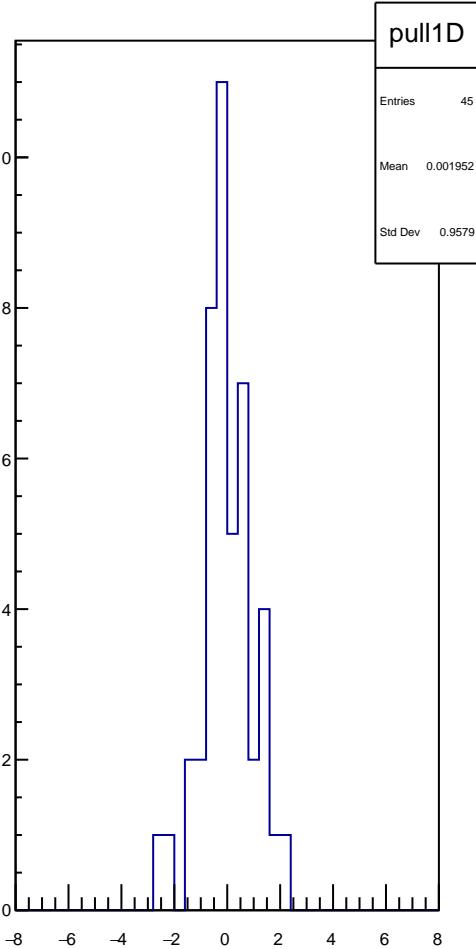
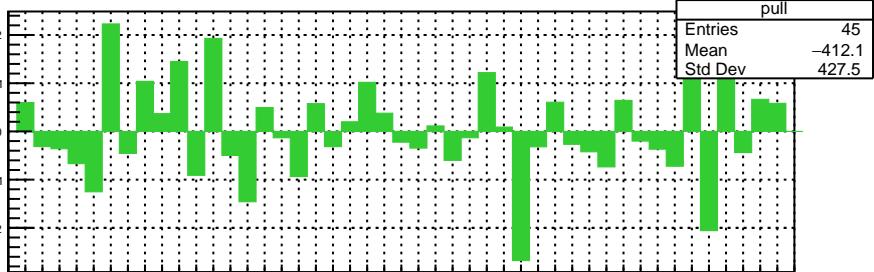
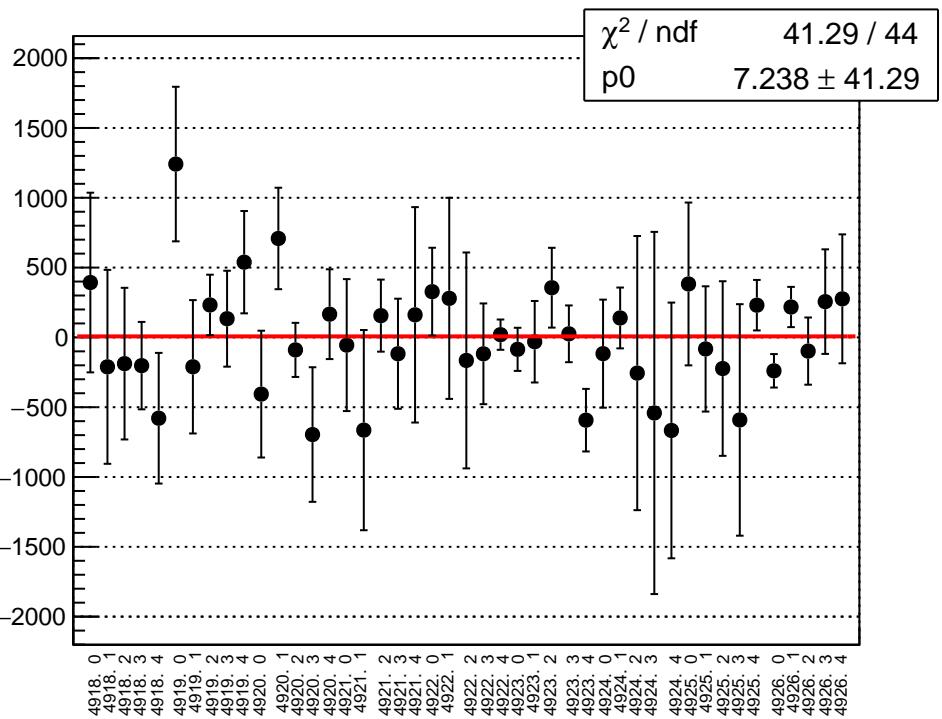
asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs run



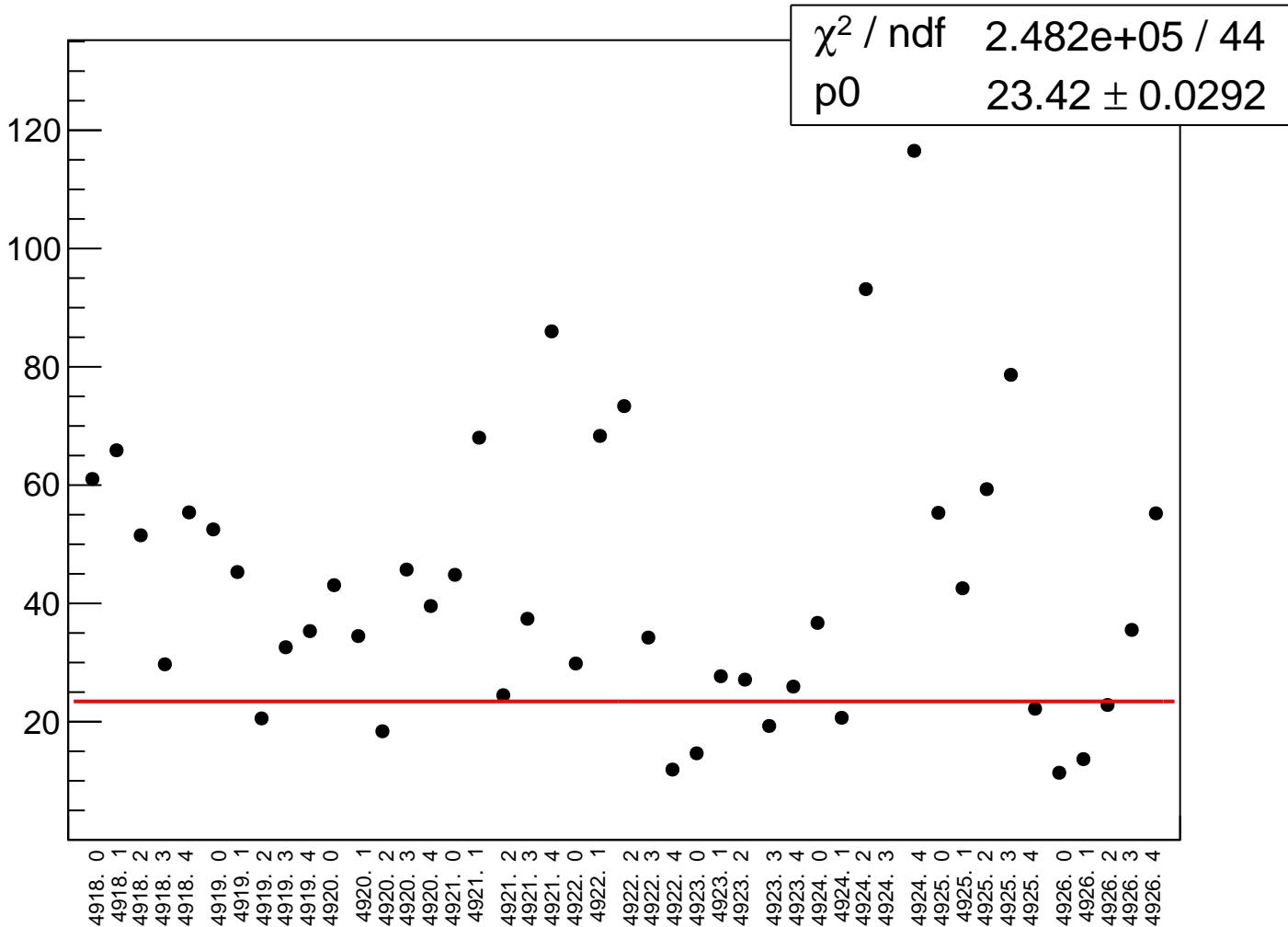
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run



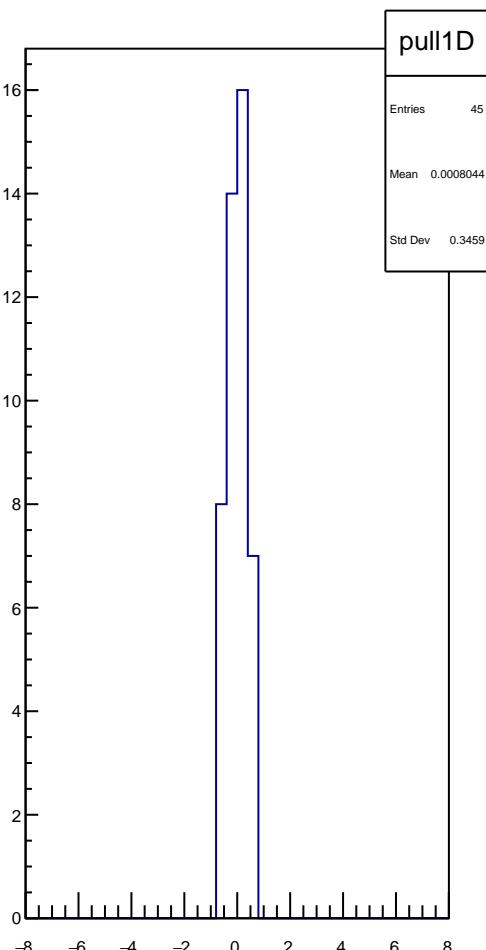
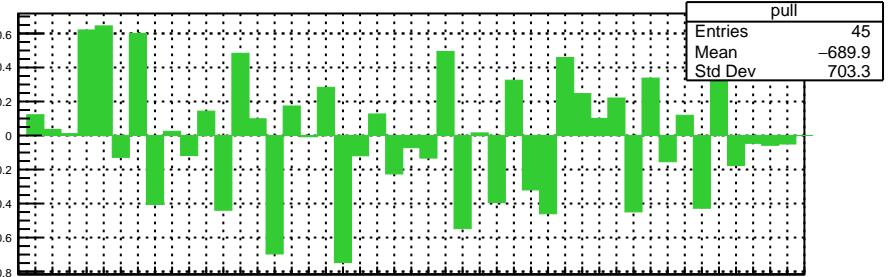
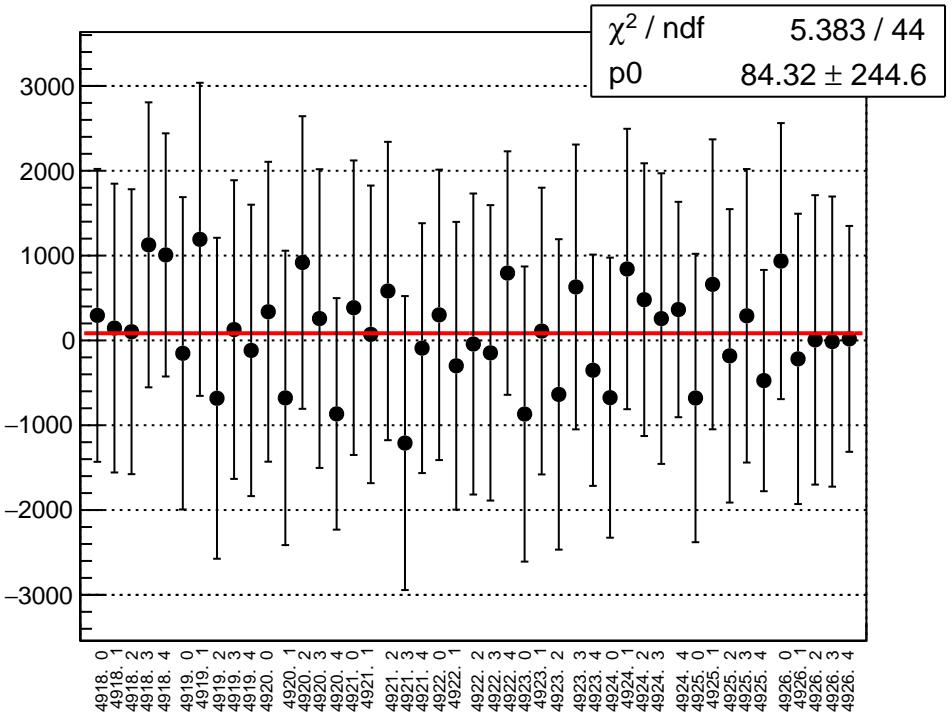
### asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



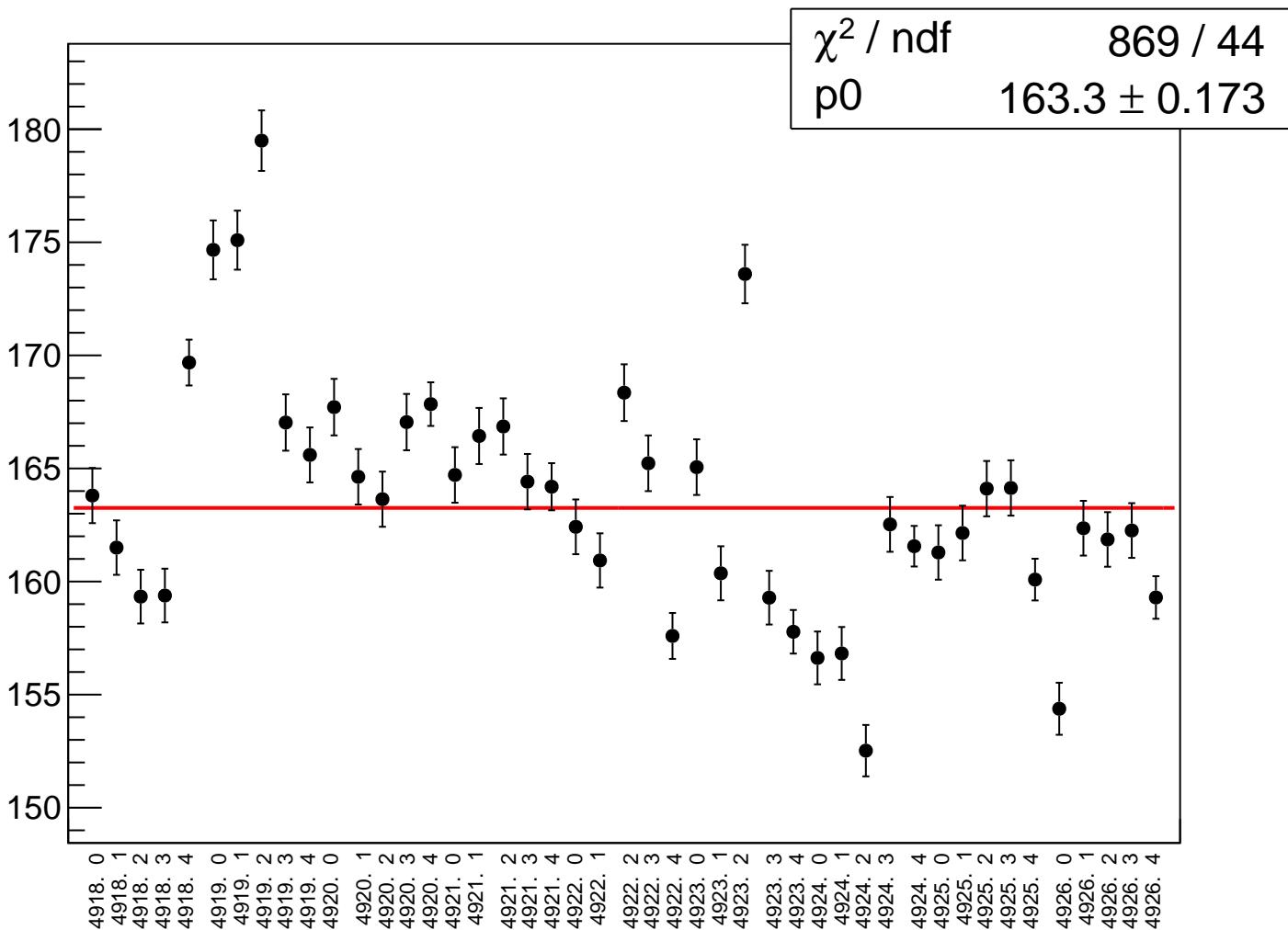
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run



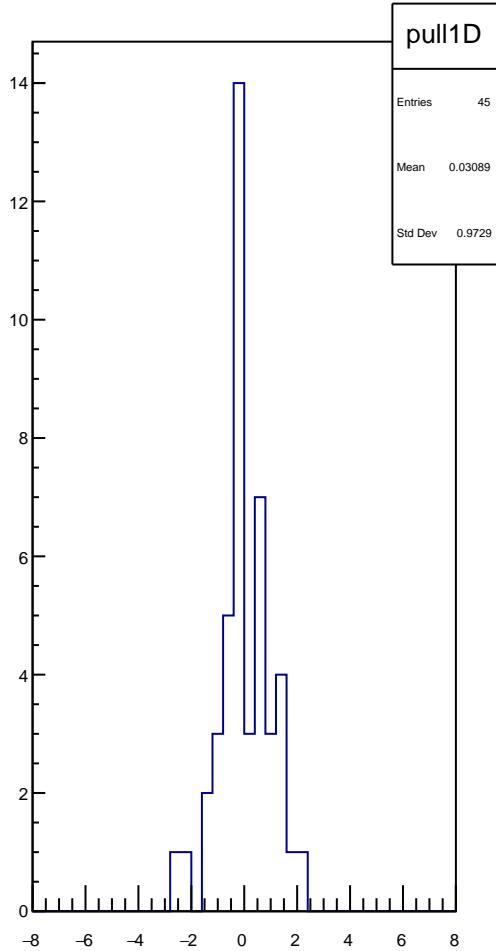
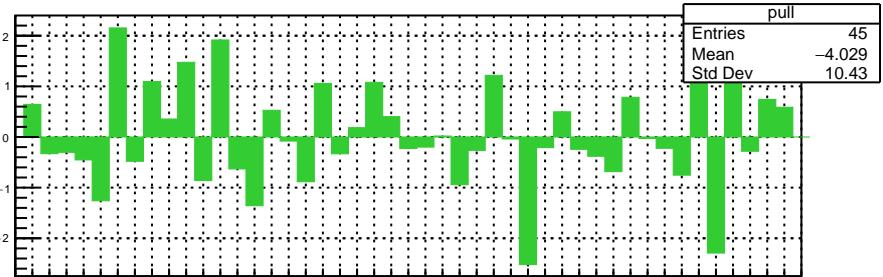
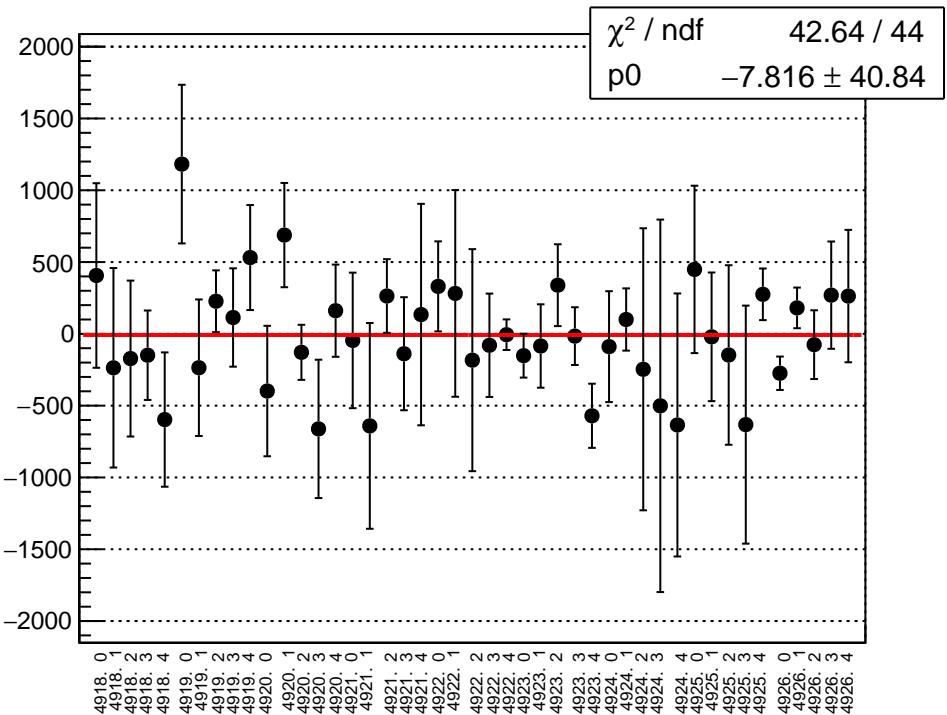
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_mean vs run



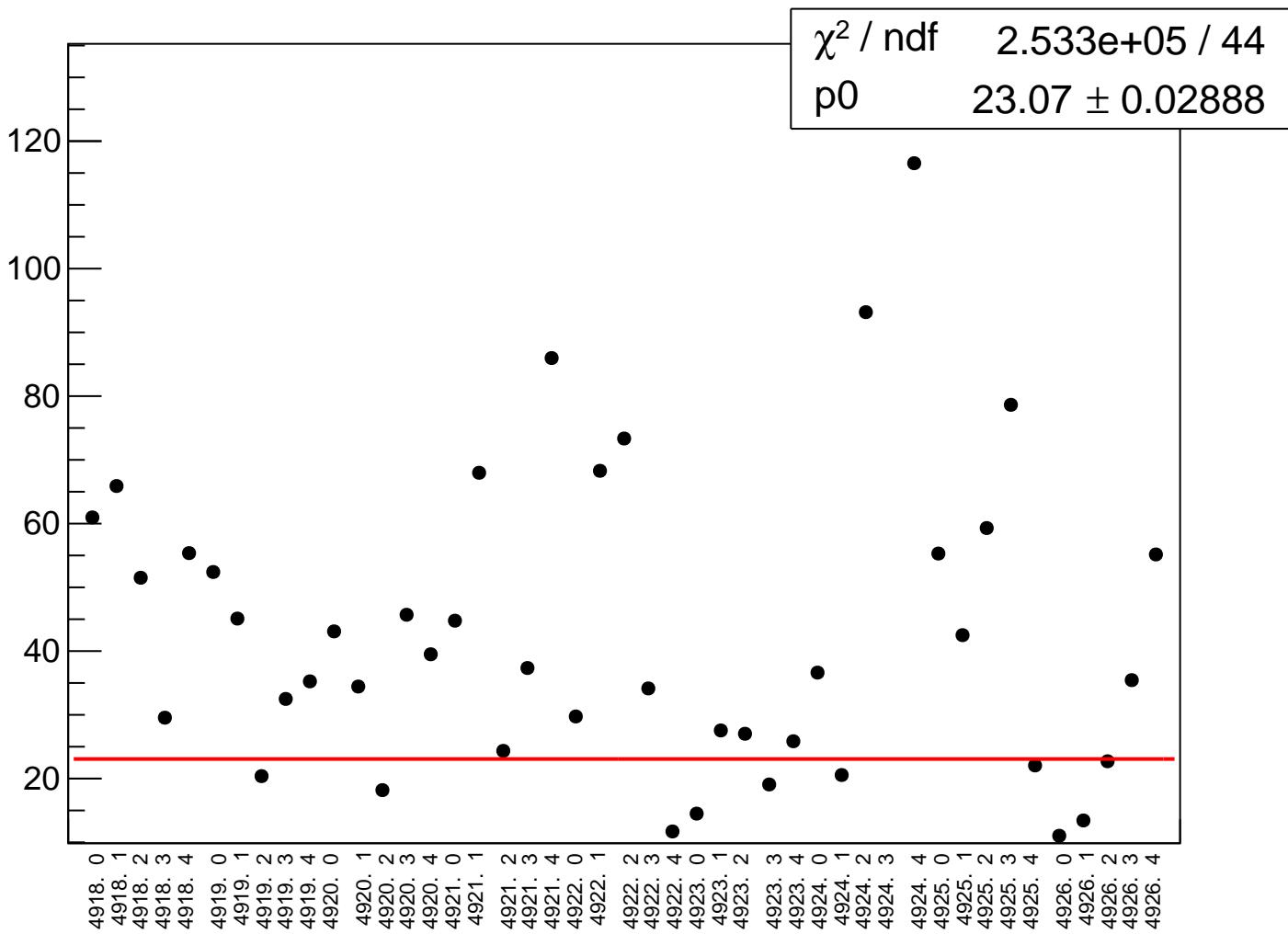
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_rms vs run



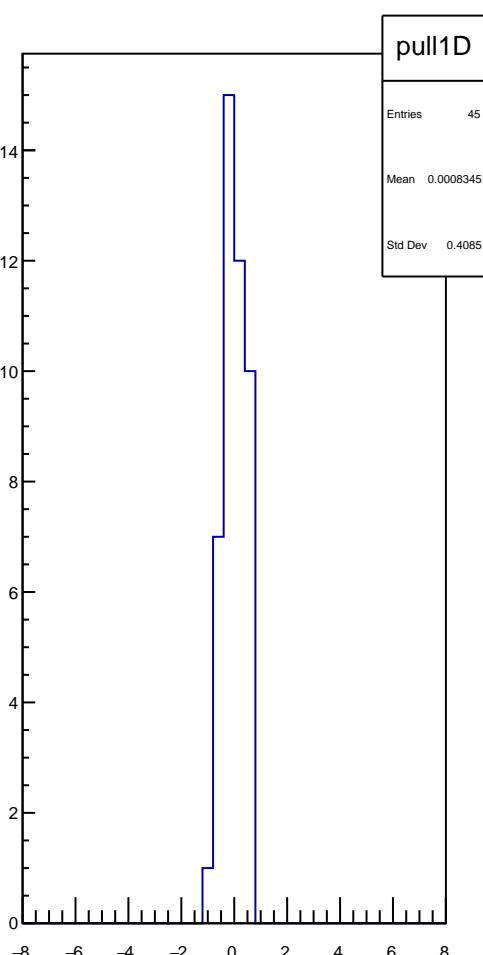
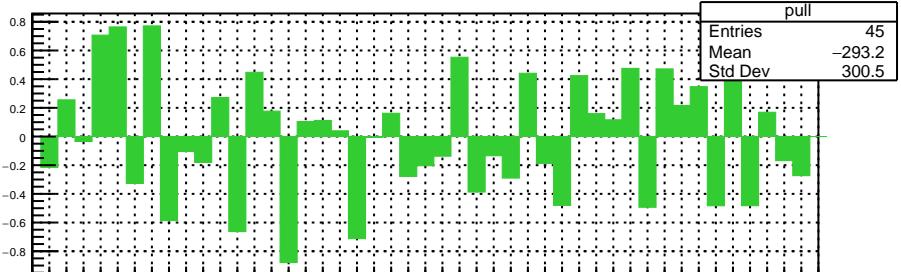
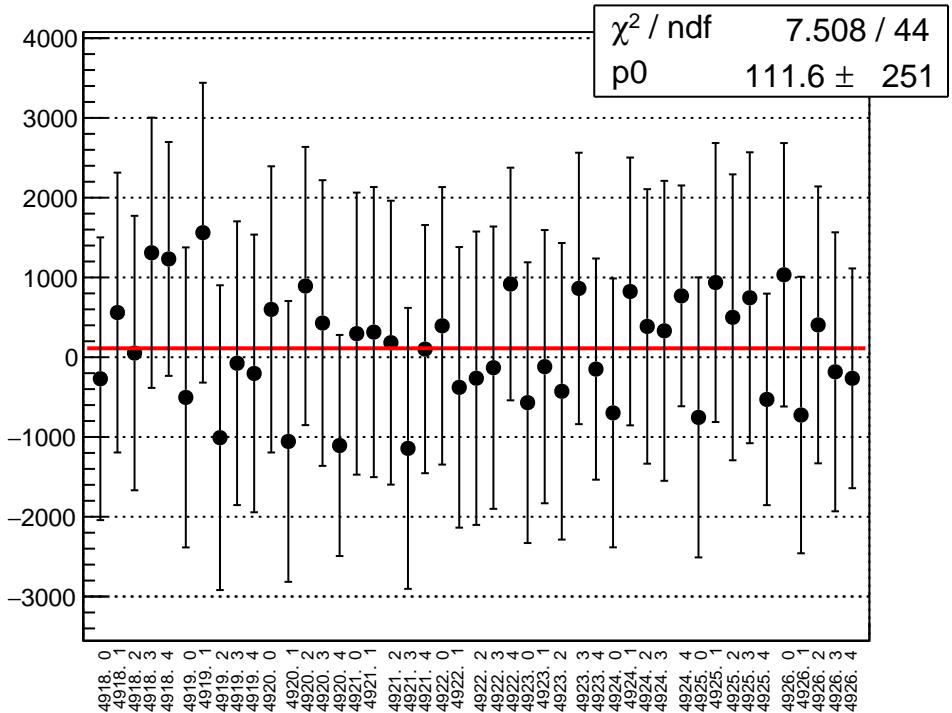
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_mean vs run



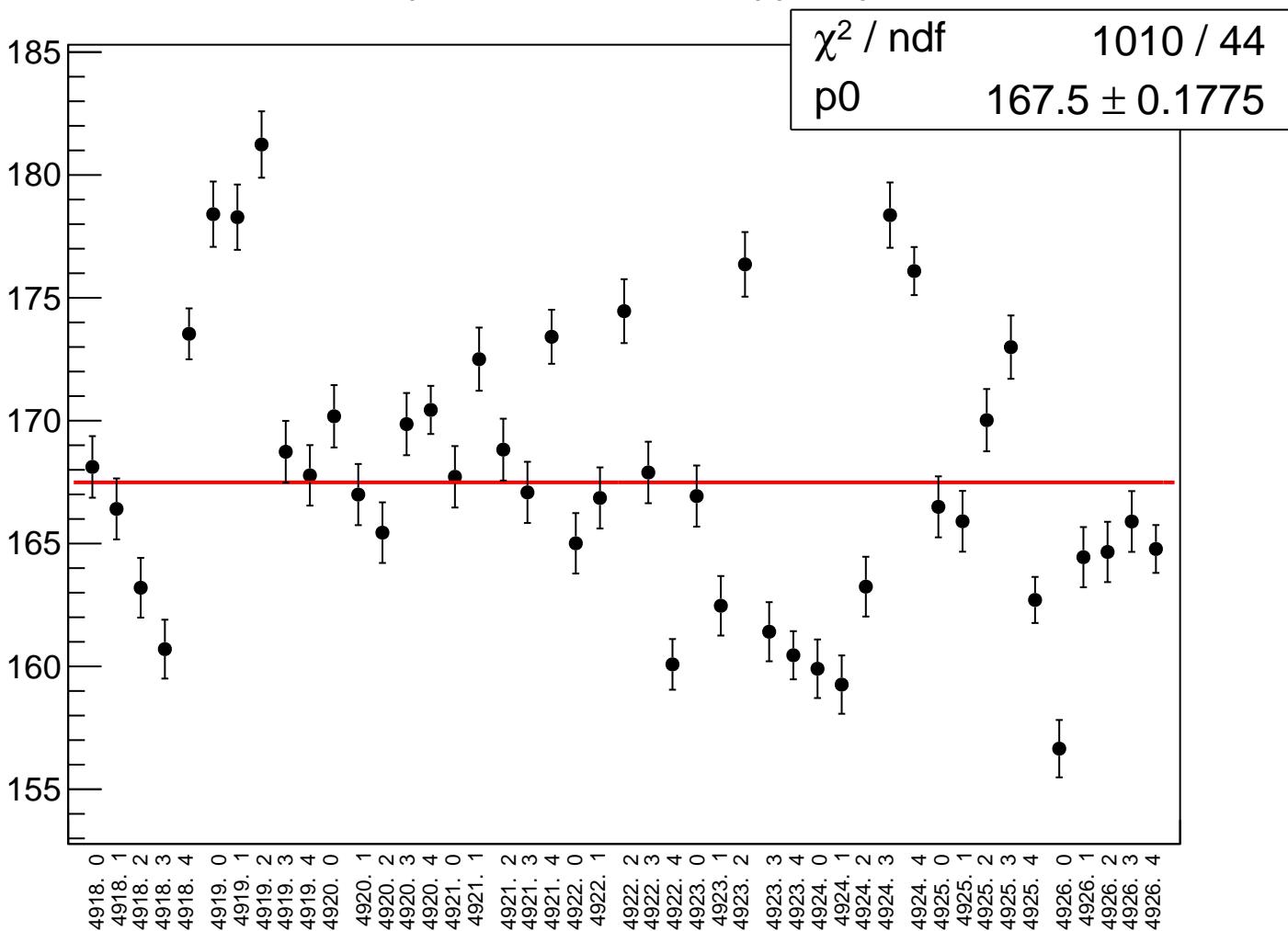
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_rms vs run



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

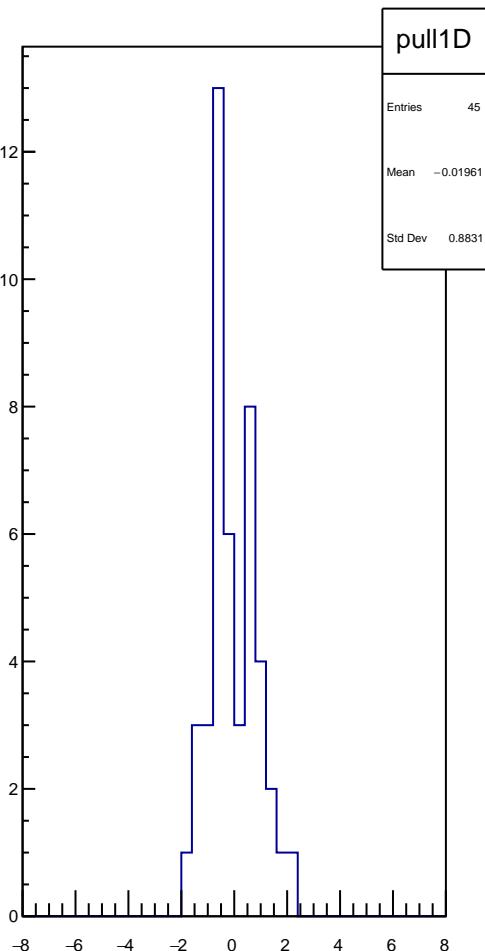
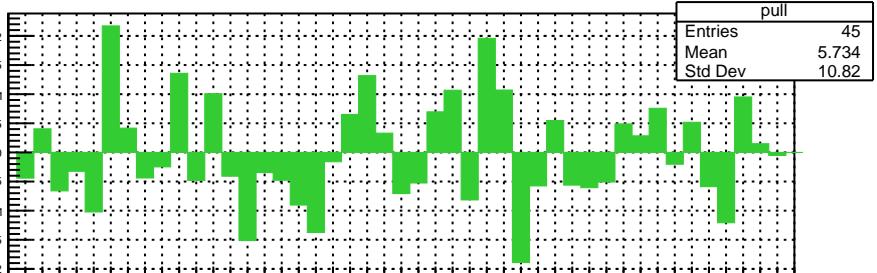
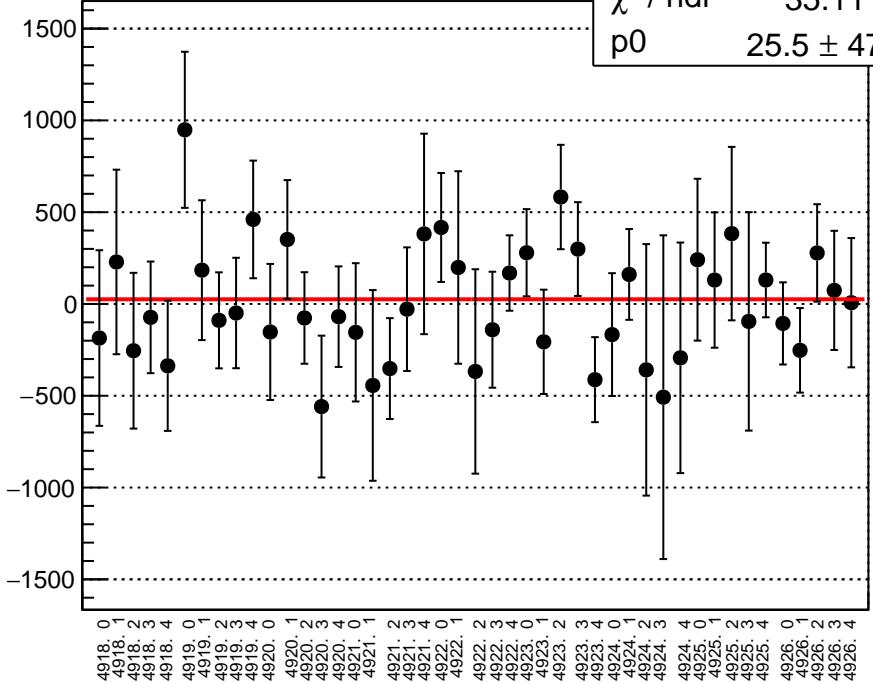


# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_rms vs run

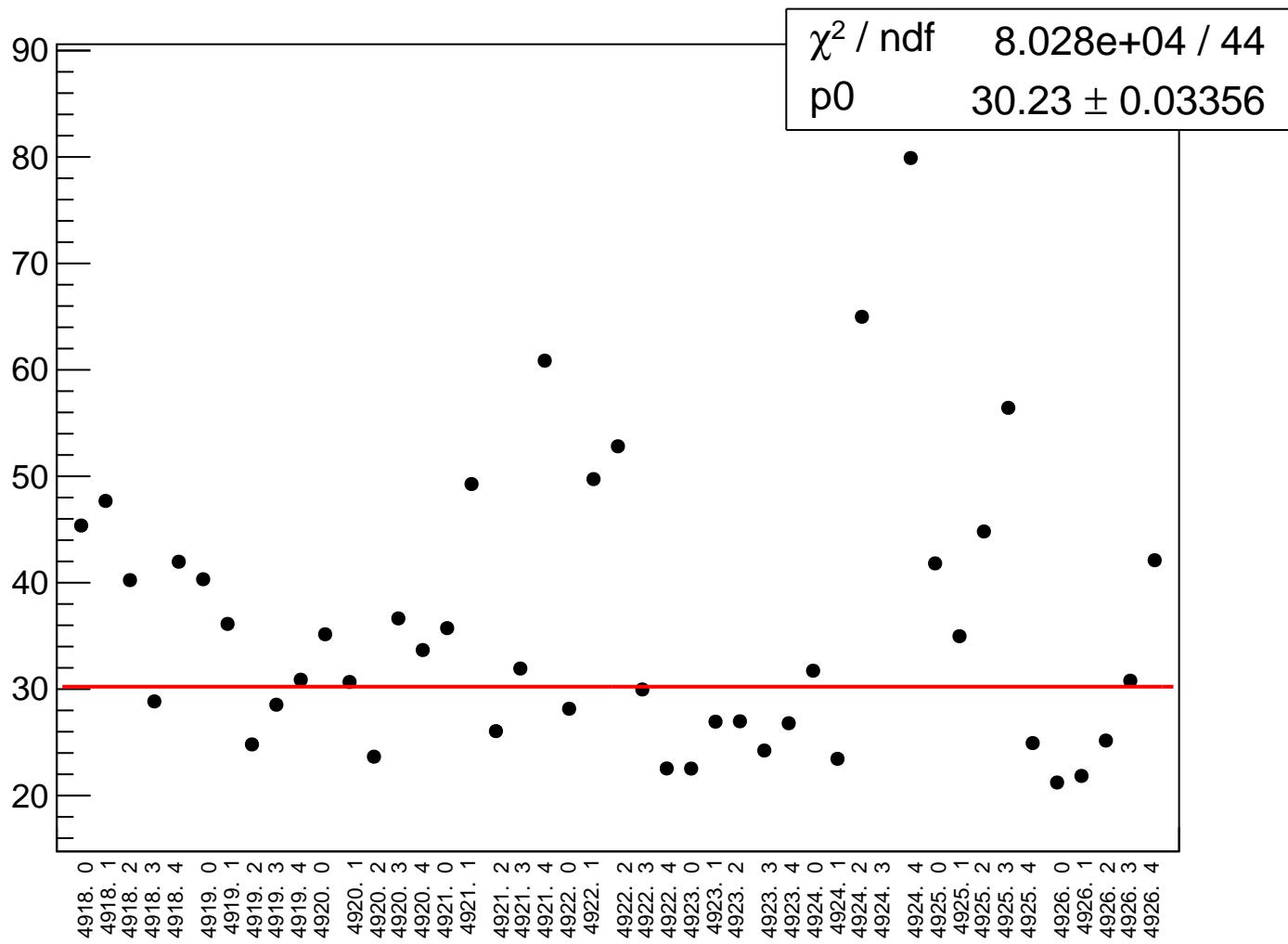


asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run

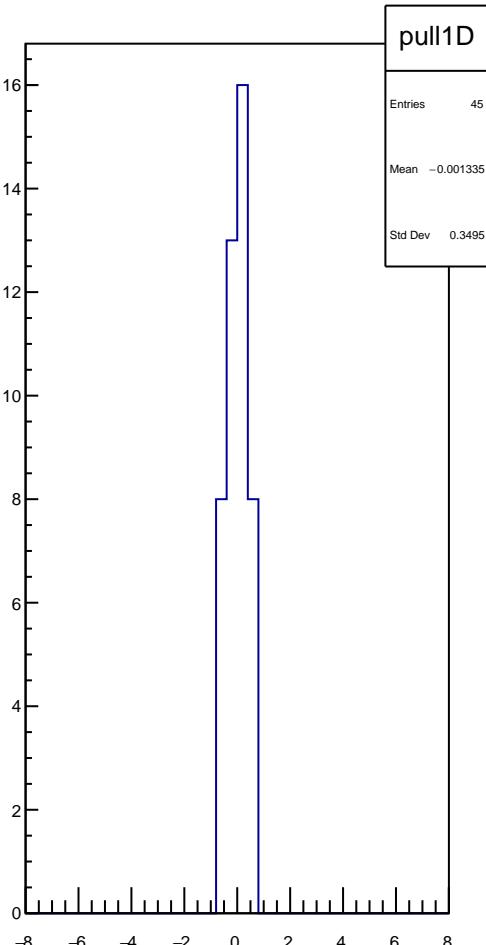
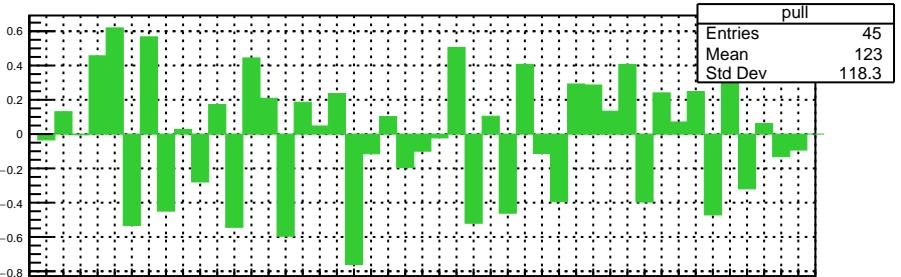
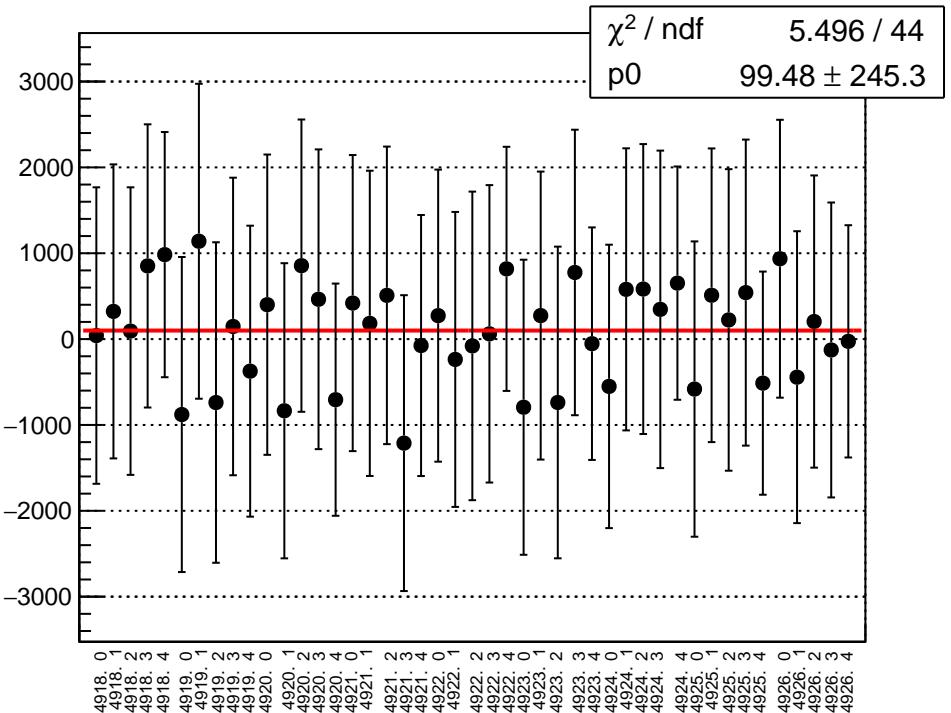
$\chi^2 / \text{ndf}$  35.11 / 44  
p0  $25.5 \pm 47.46$



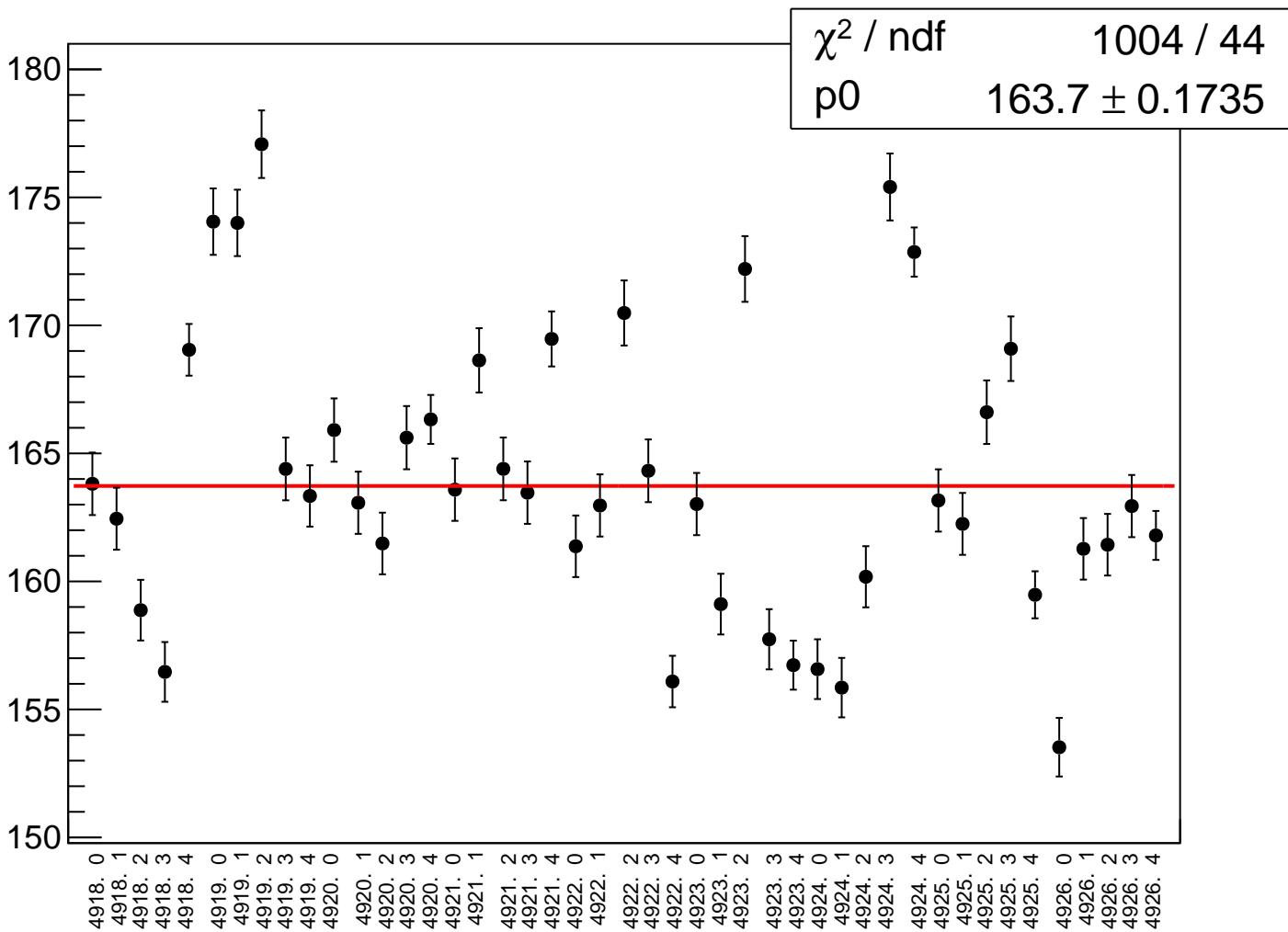
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run



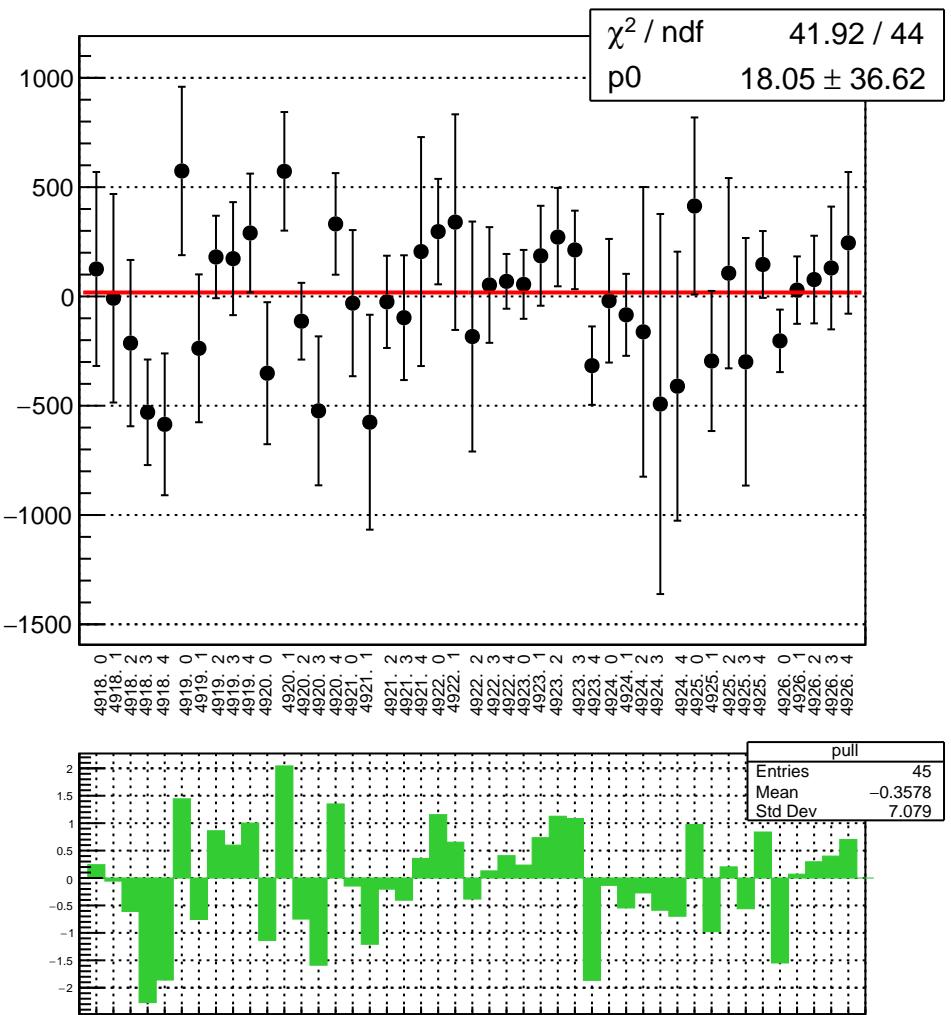
asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_mean vs run



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

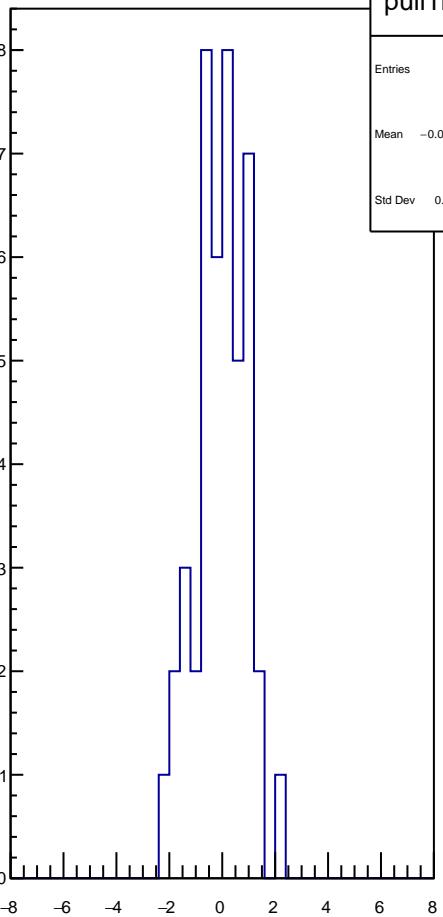


### asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_mean vs run

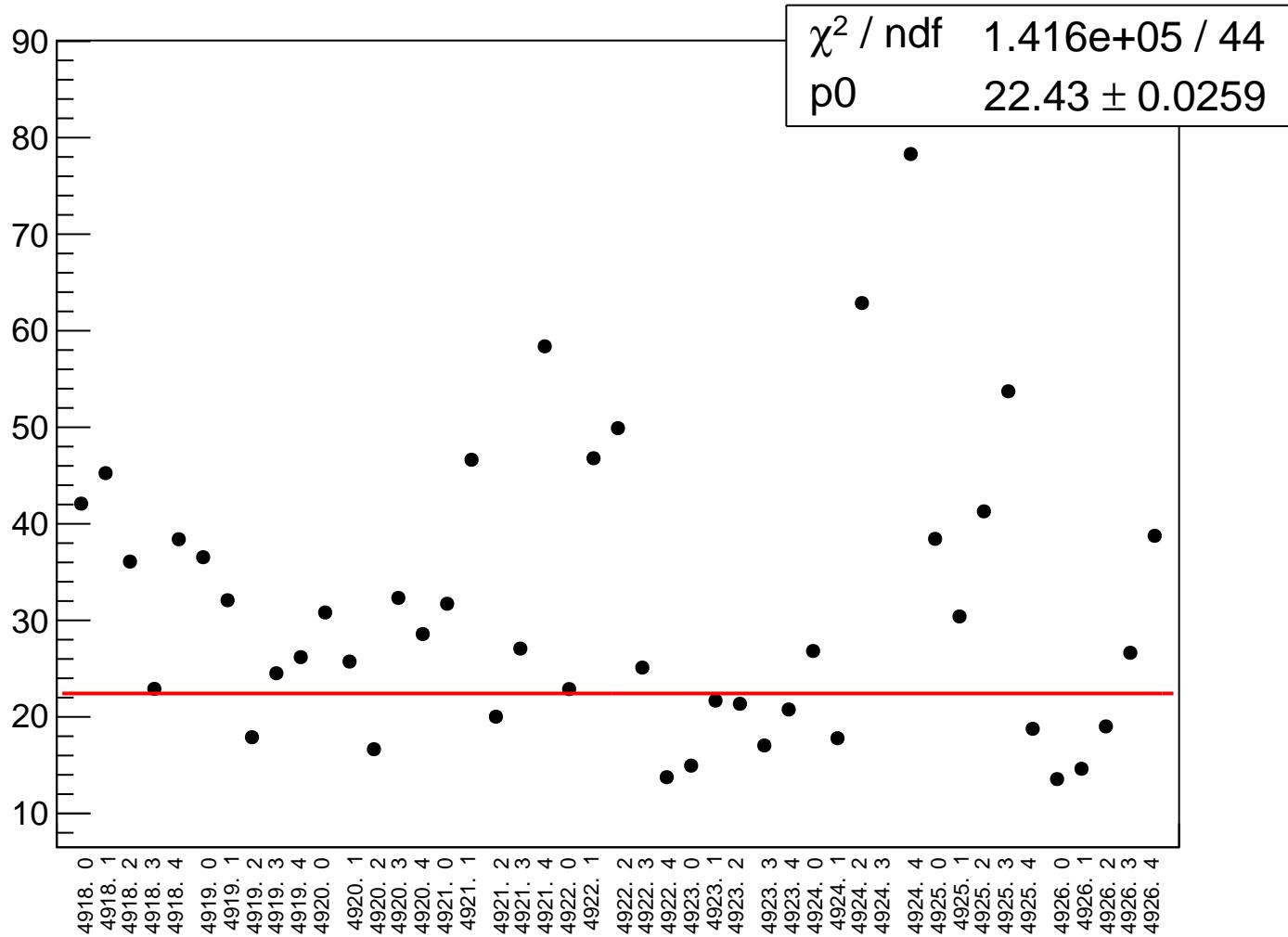


pull1D

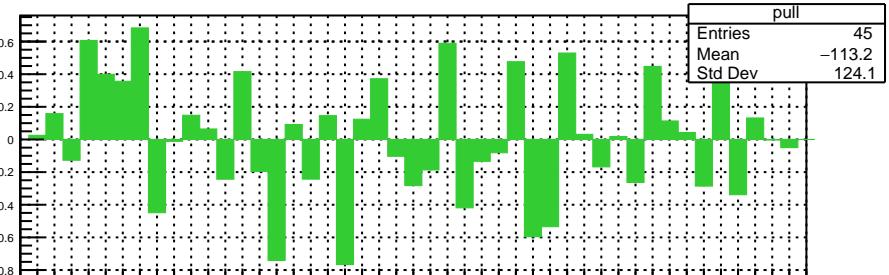
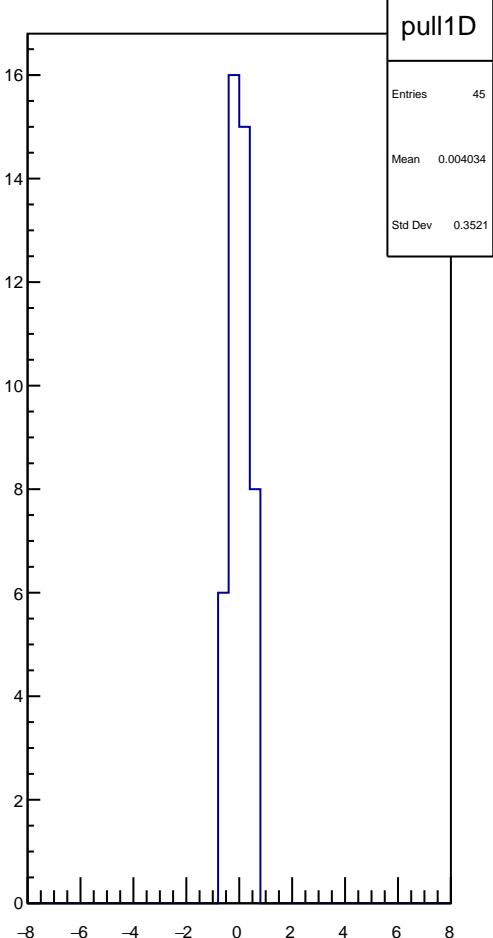
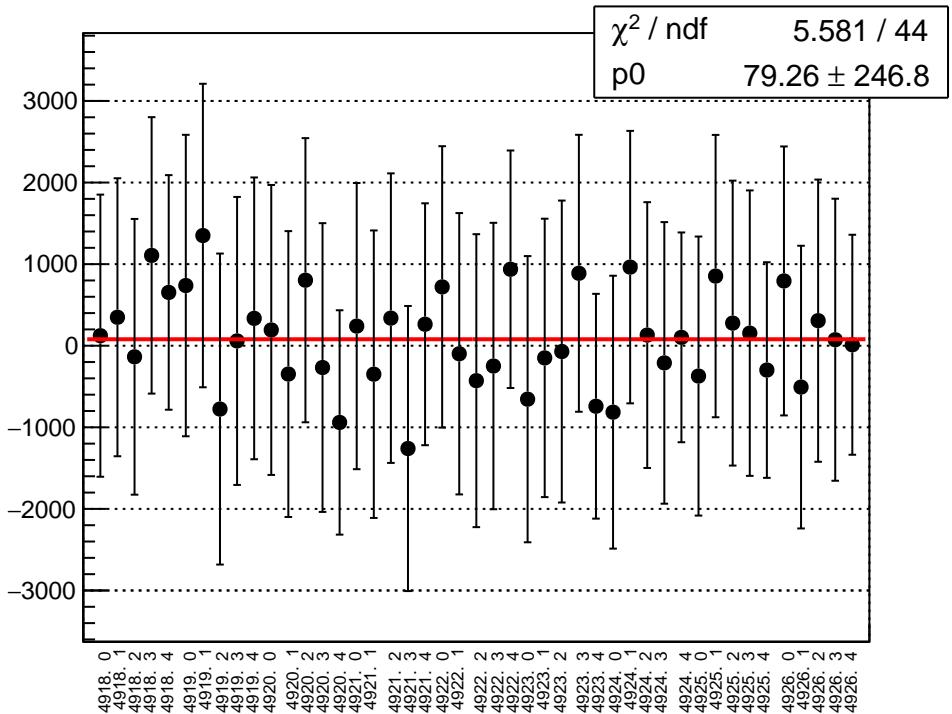
Entries 45  
Mean -0.03647  
Std Dev 0.9644



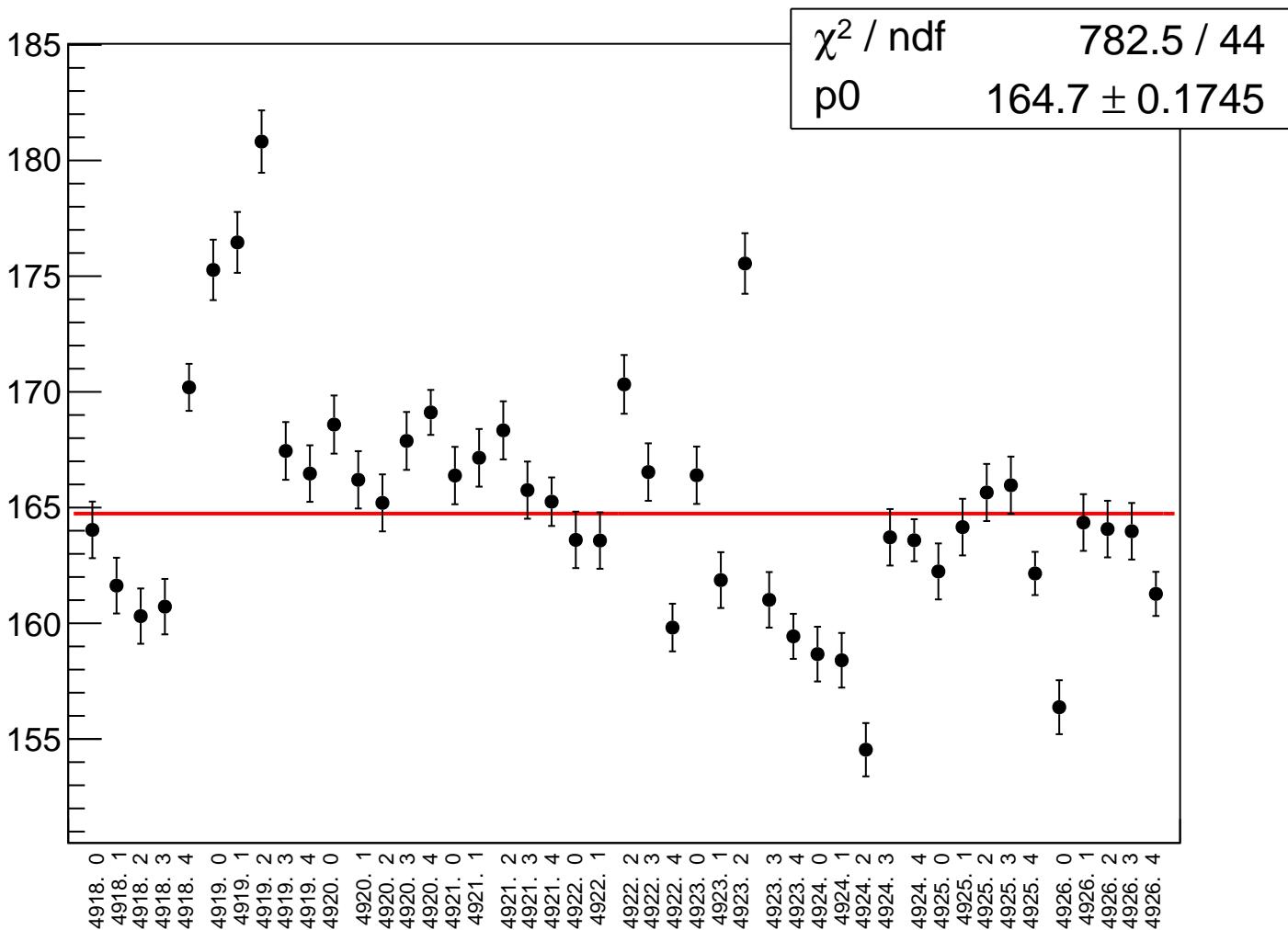
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_rms vs run



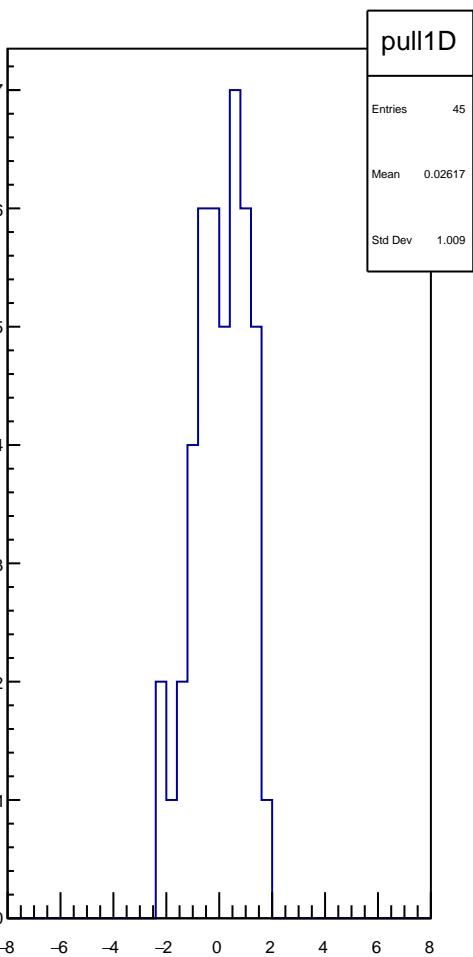
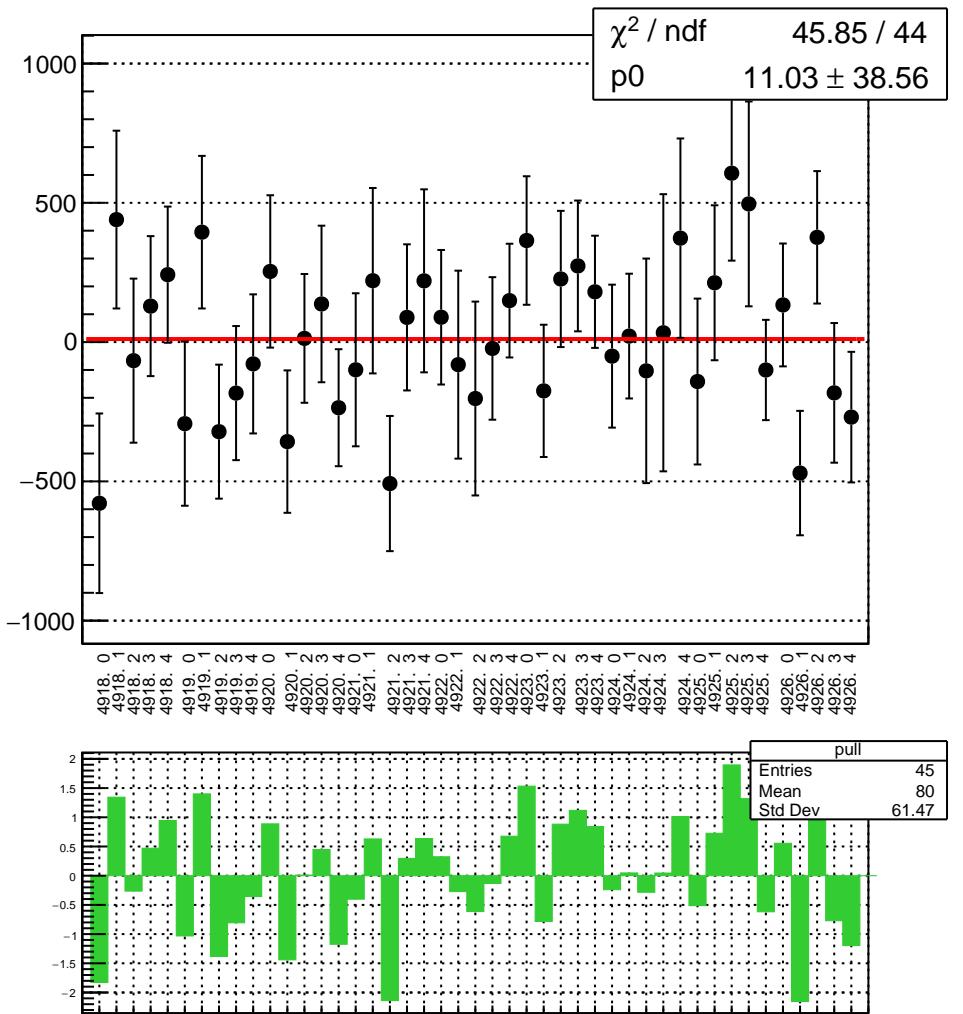
asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_mean vs run



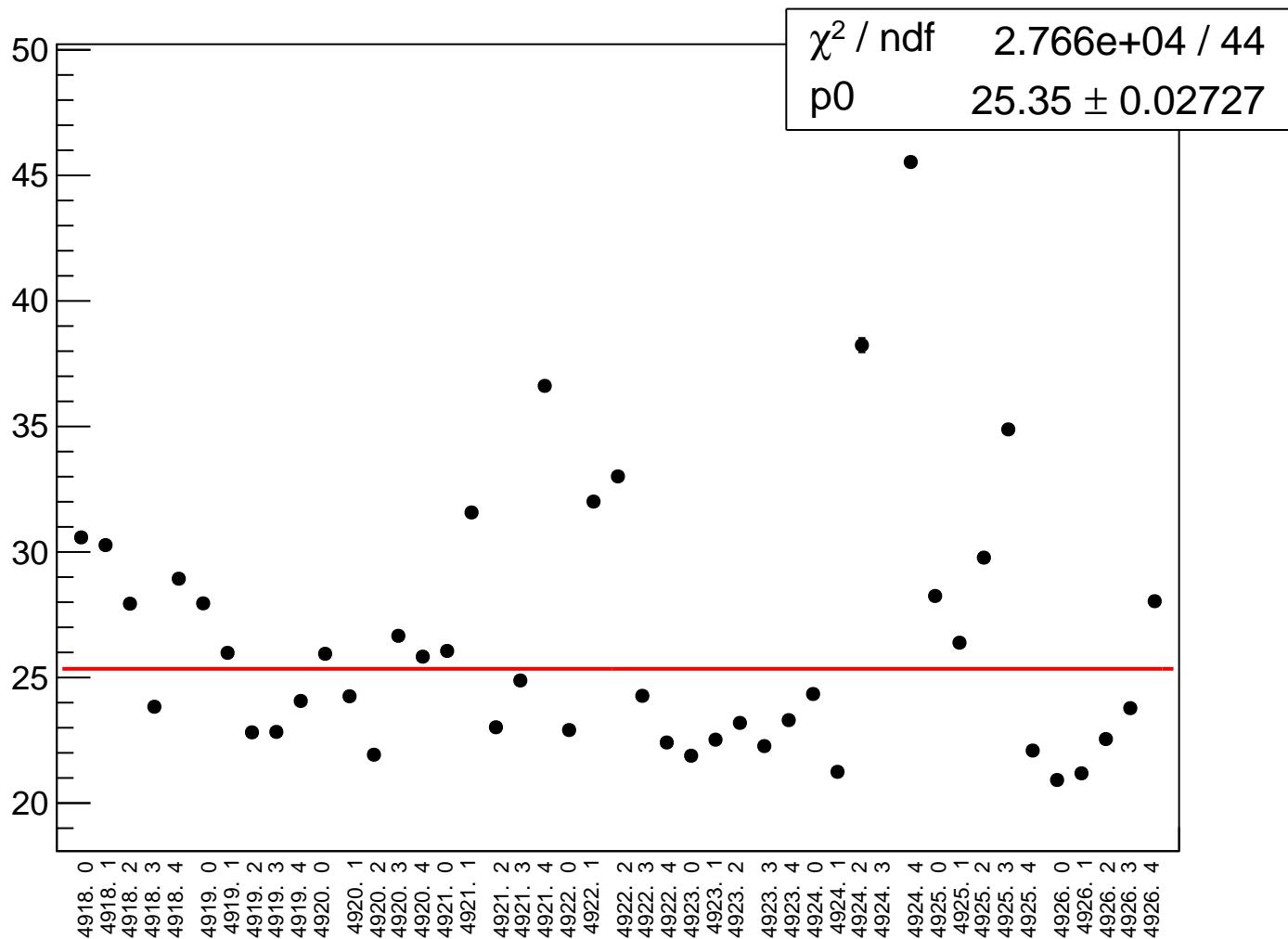
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_rms vs run



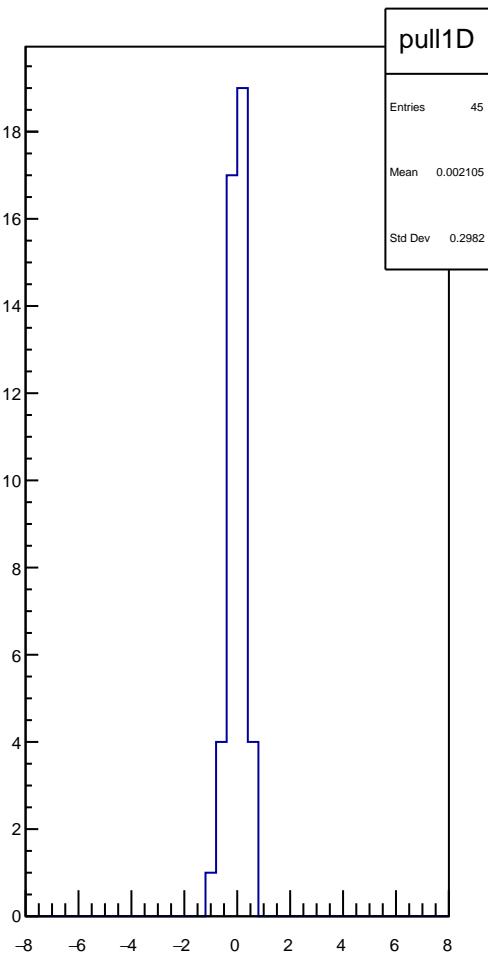
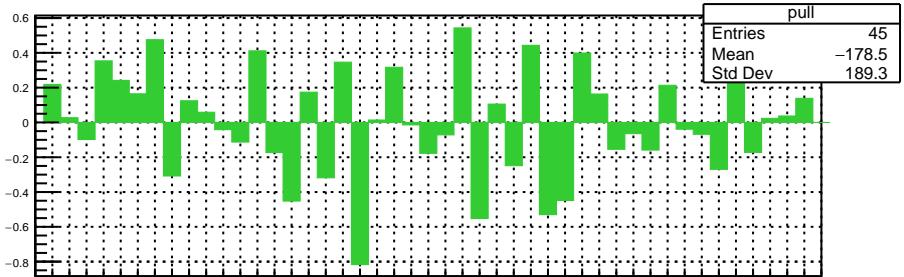
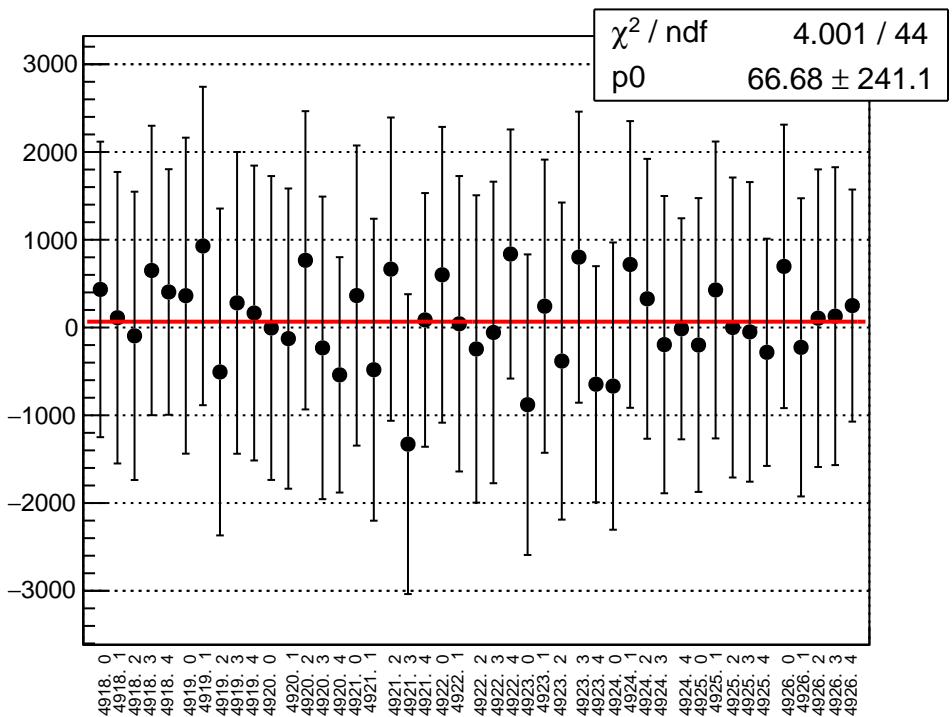
### asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_mean vs run



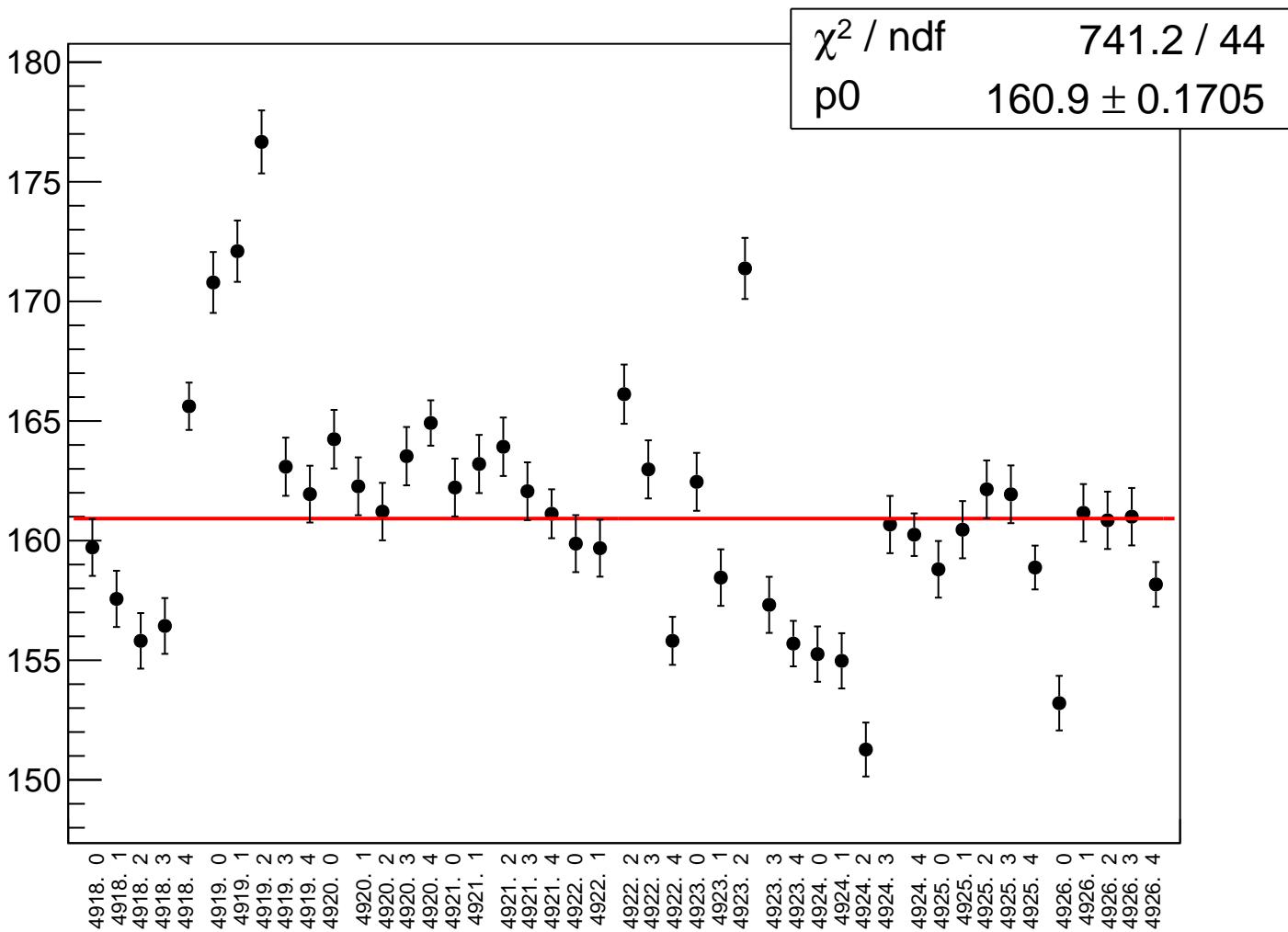
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_rms vs run



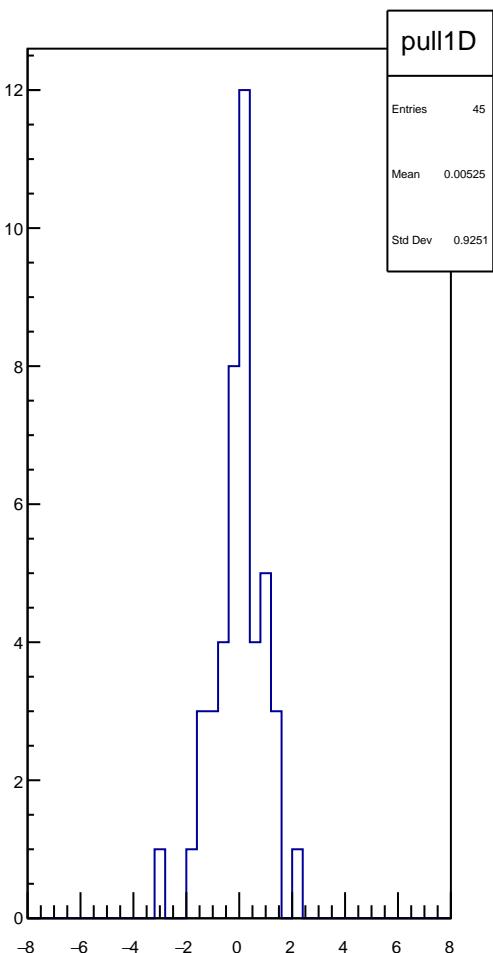
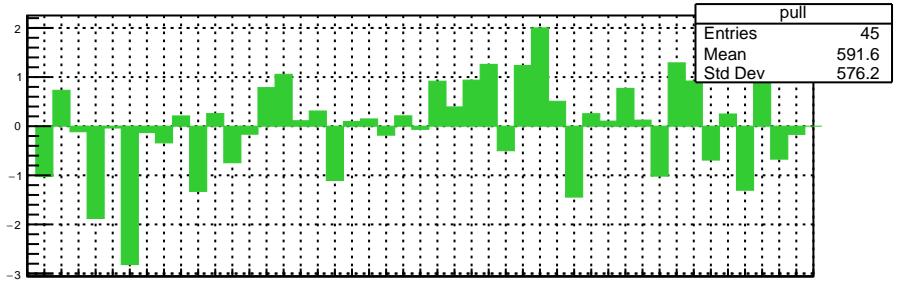
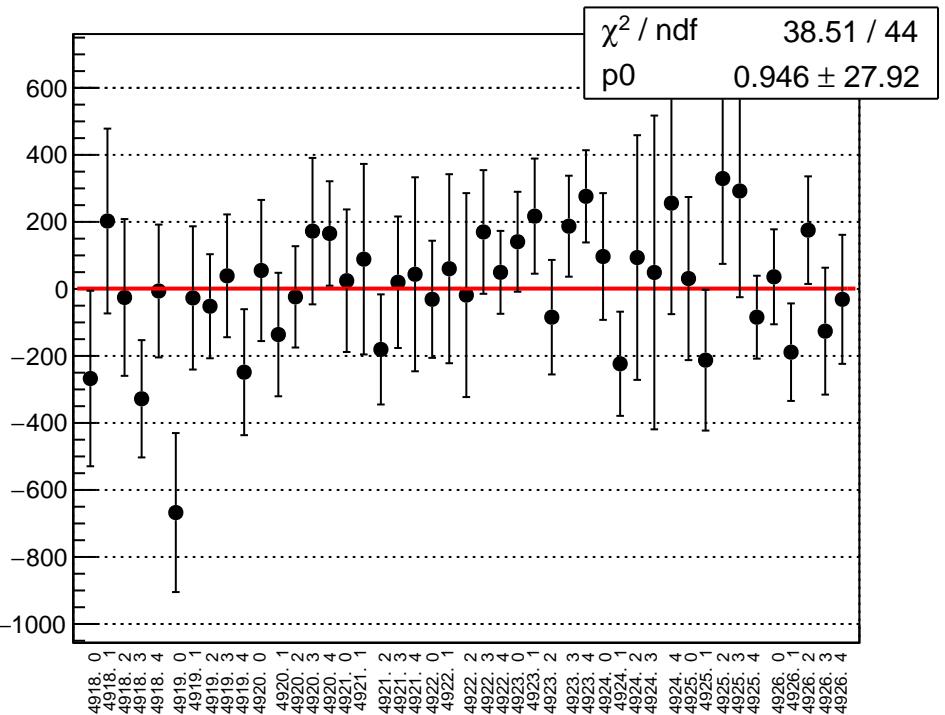
asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_mean vs run



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

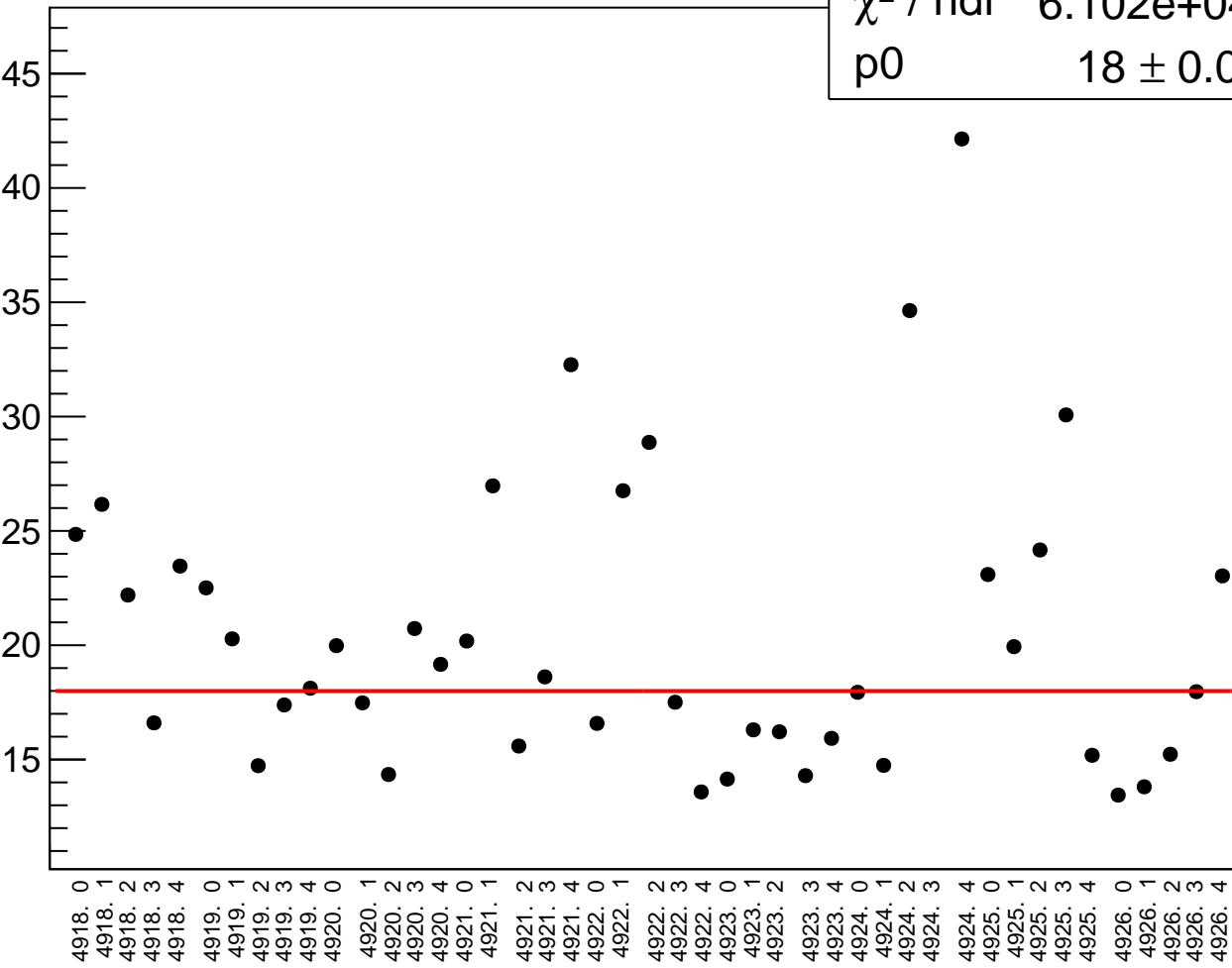


# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_mean vs run

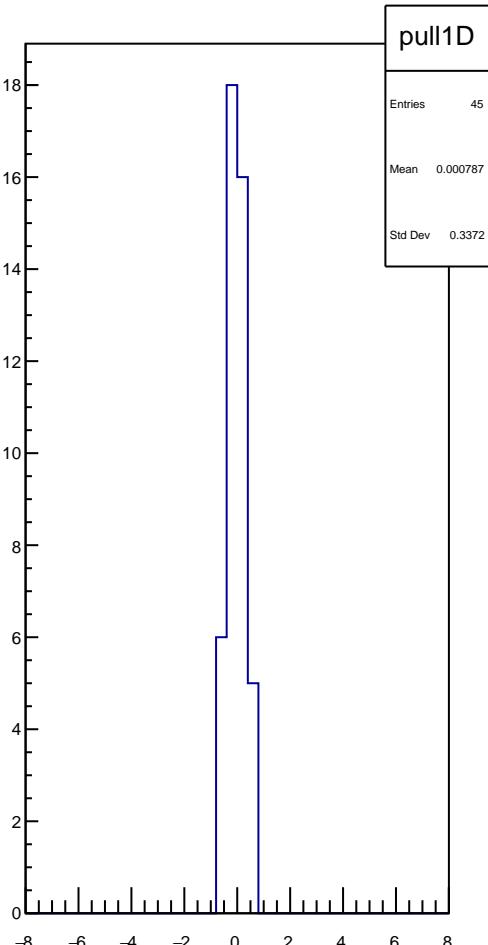
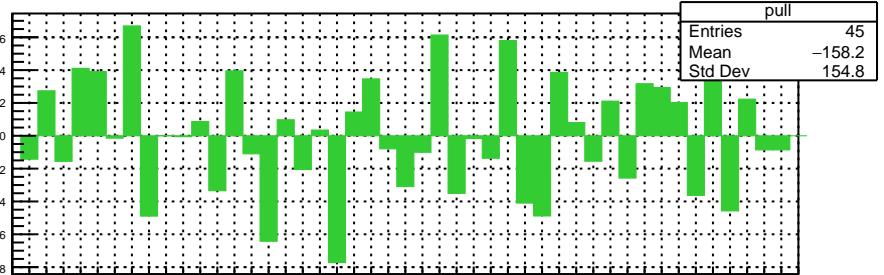
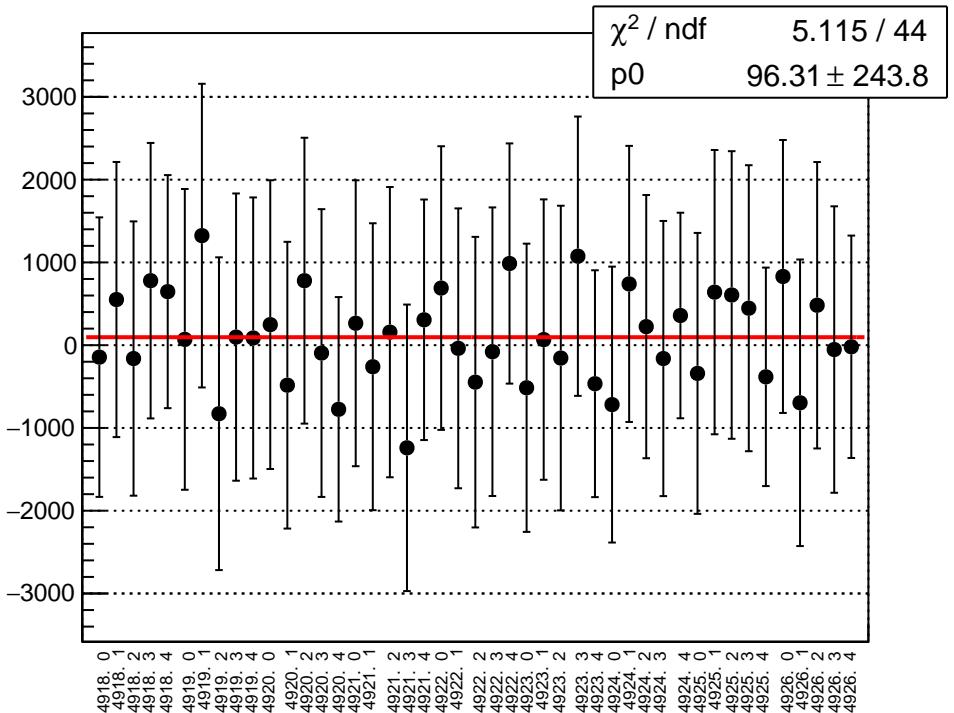


# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_rms vs run

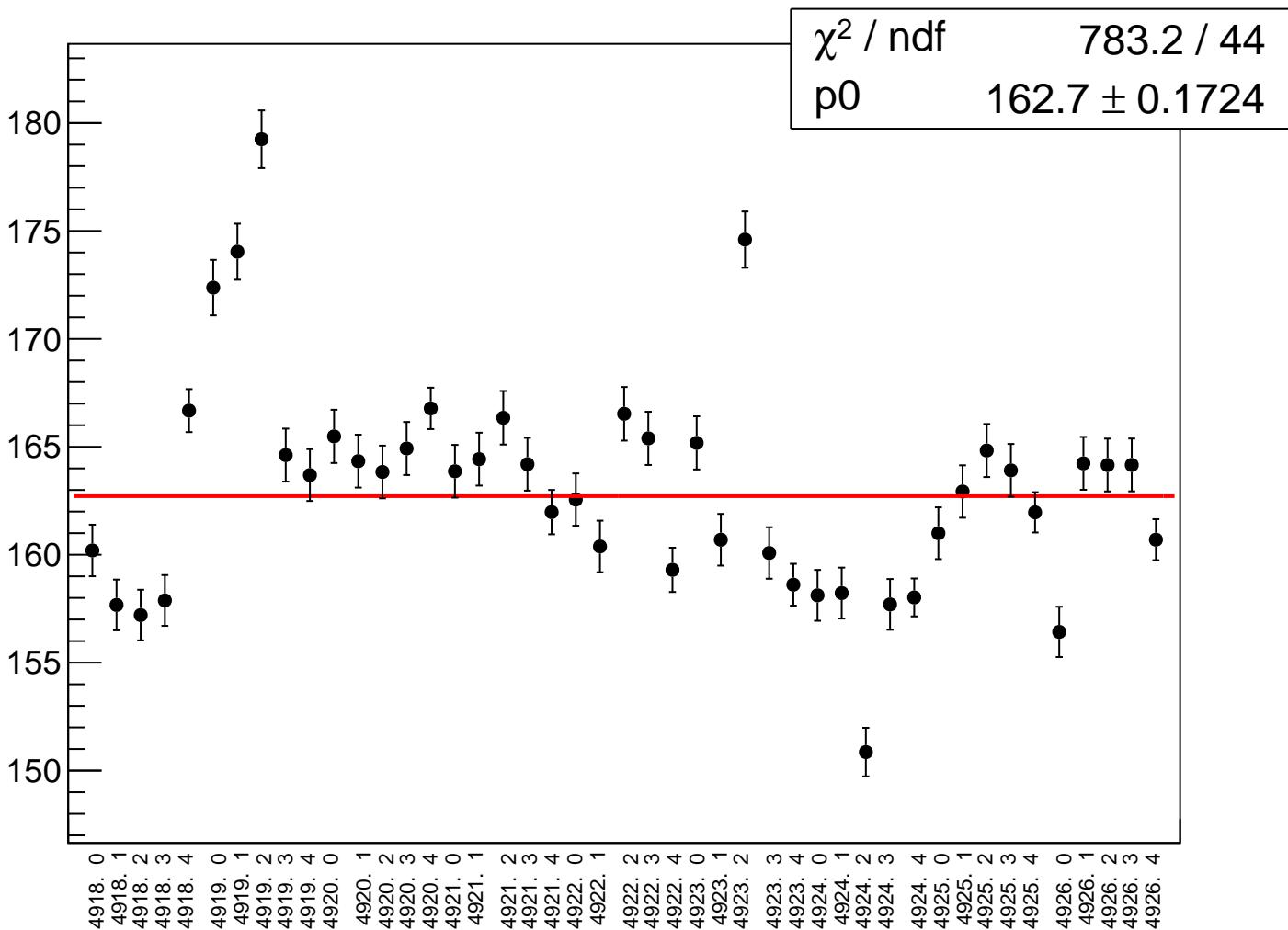
$\chi^2 / \text{ndf}$   $6.102e+04 / 44$   
p0  $18 \pm 0.01974$



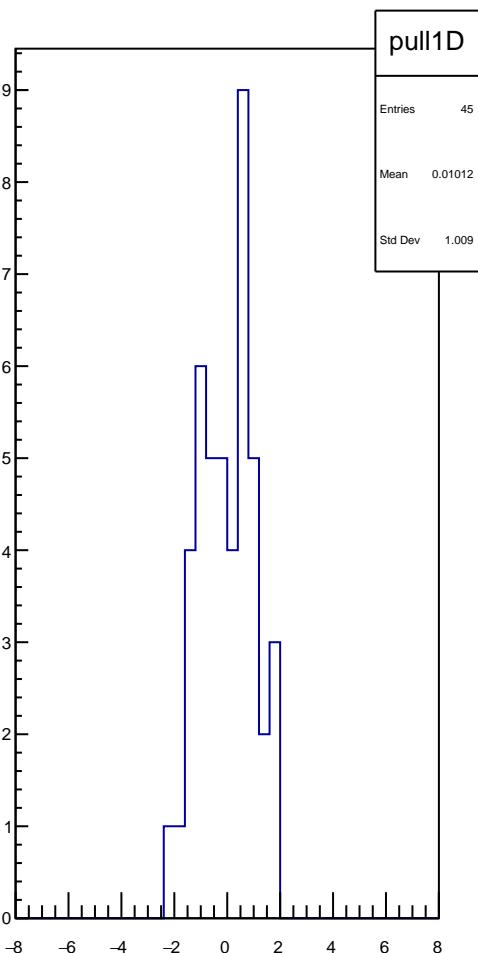
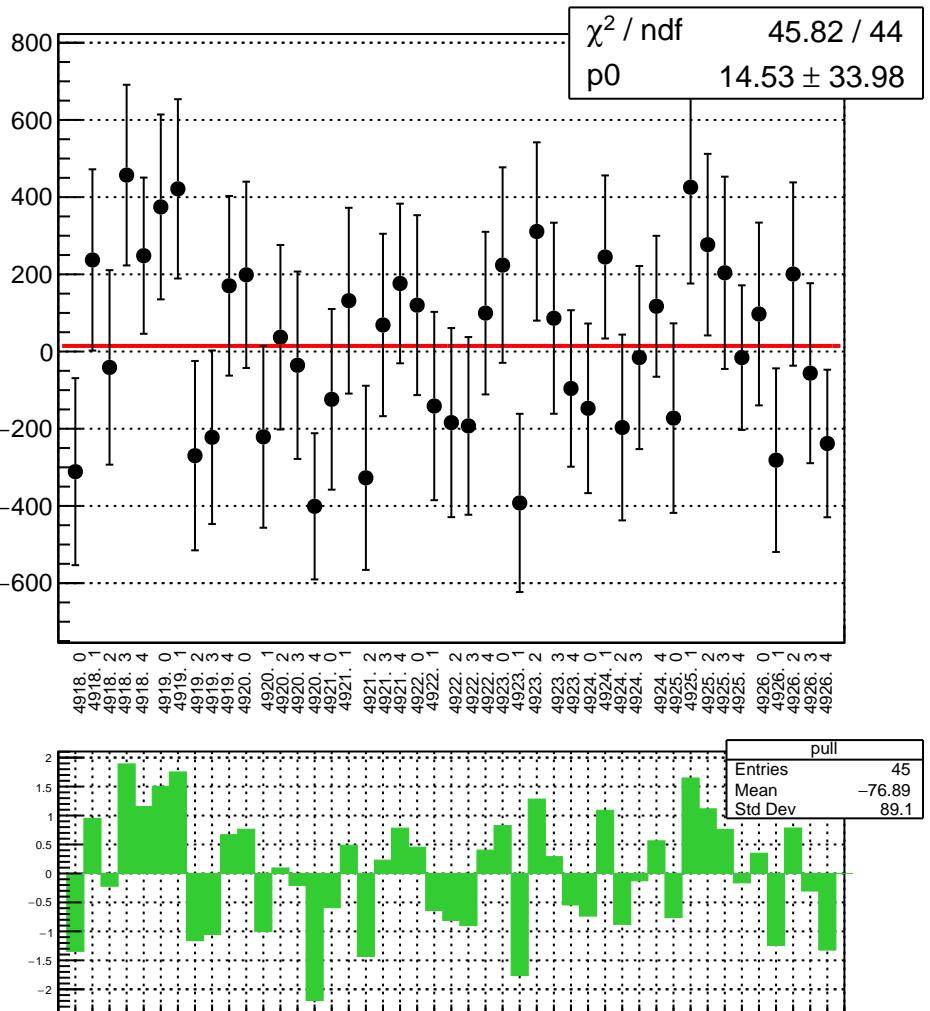
# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_mean vs run



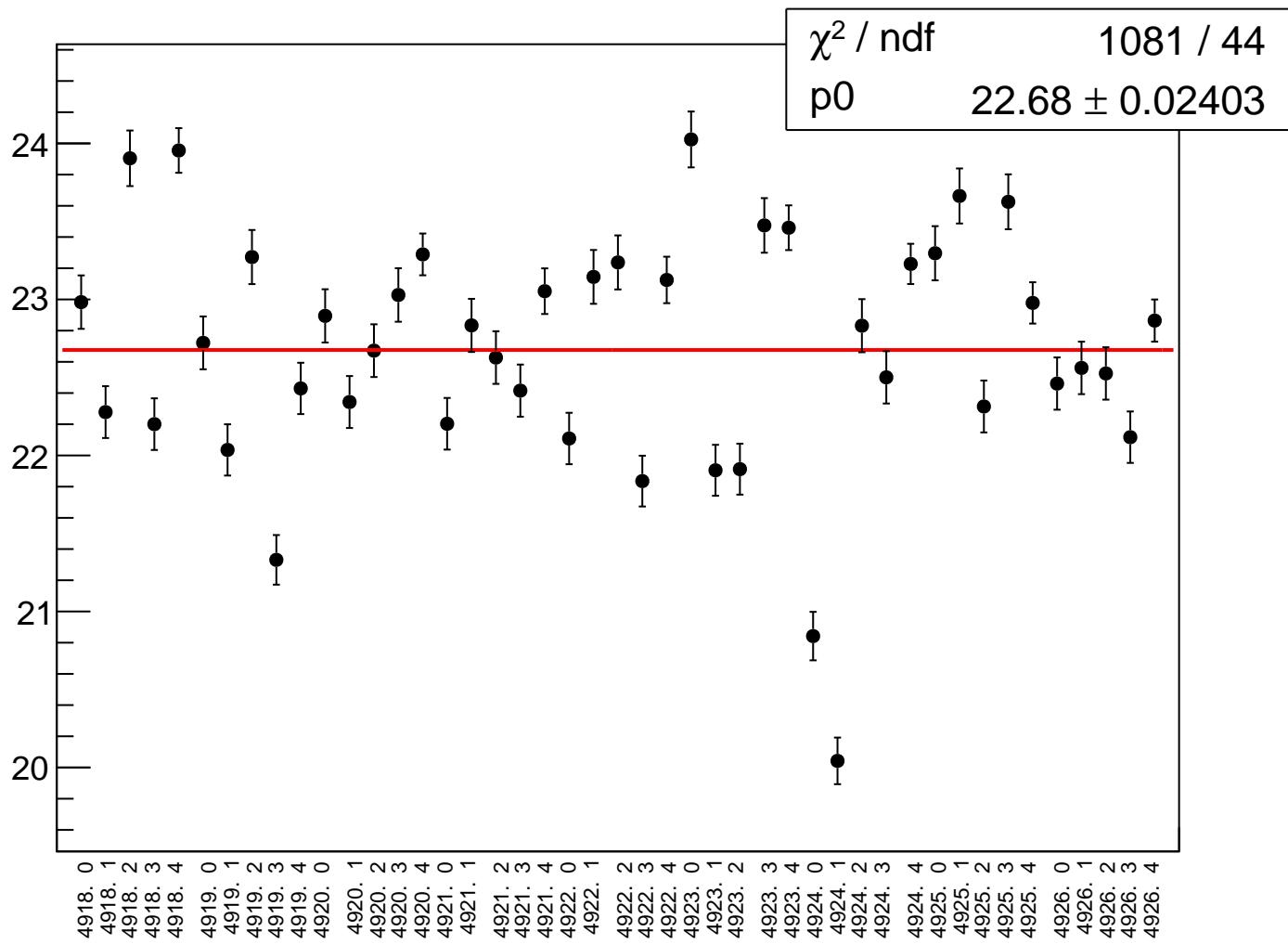
# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_rms vs run



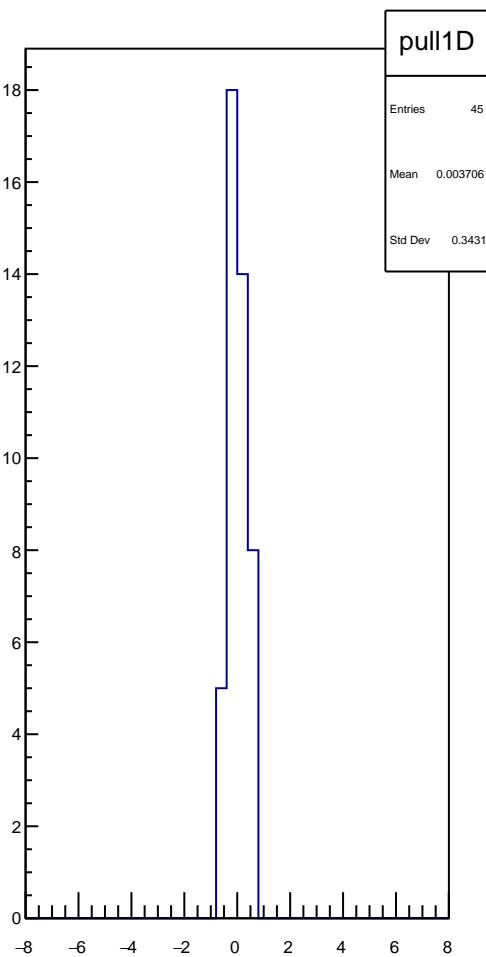
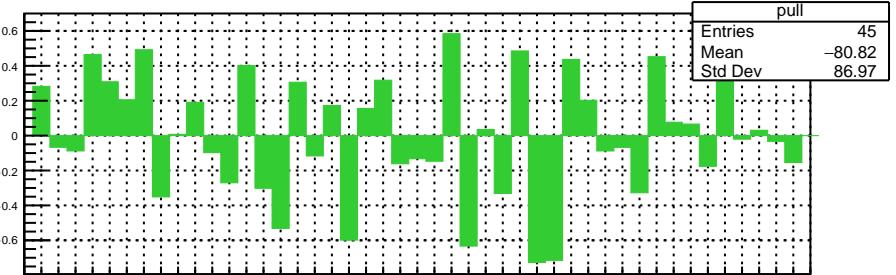
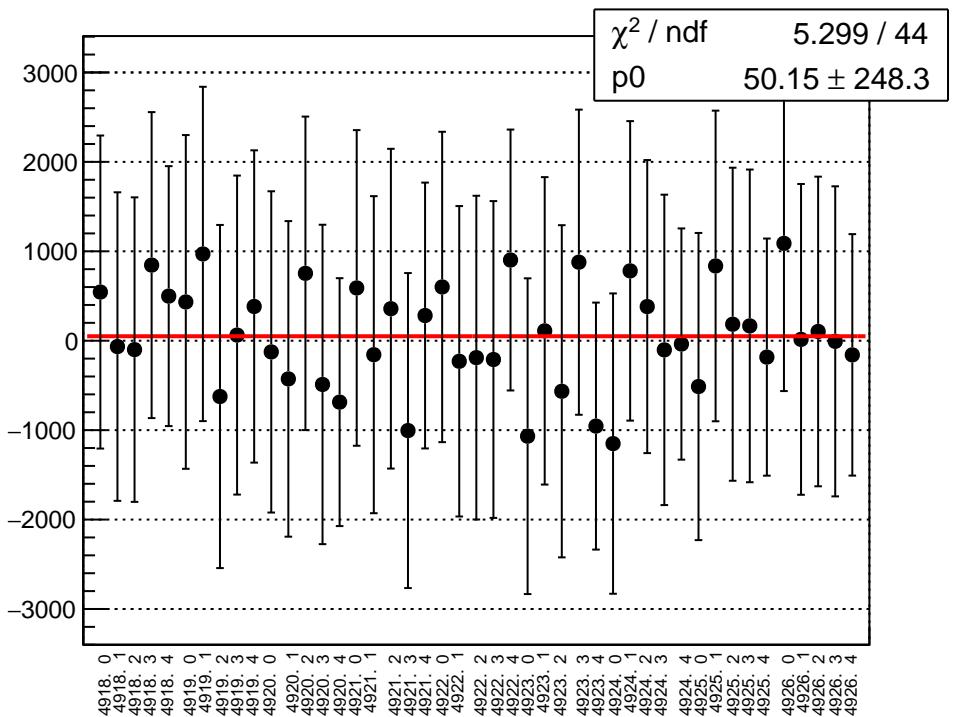
# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_mean vs run



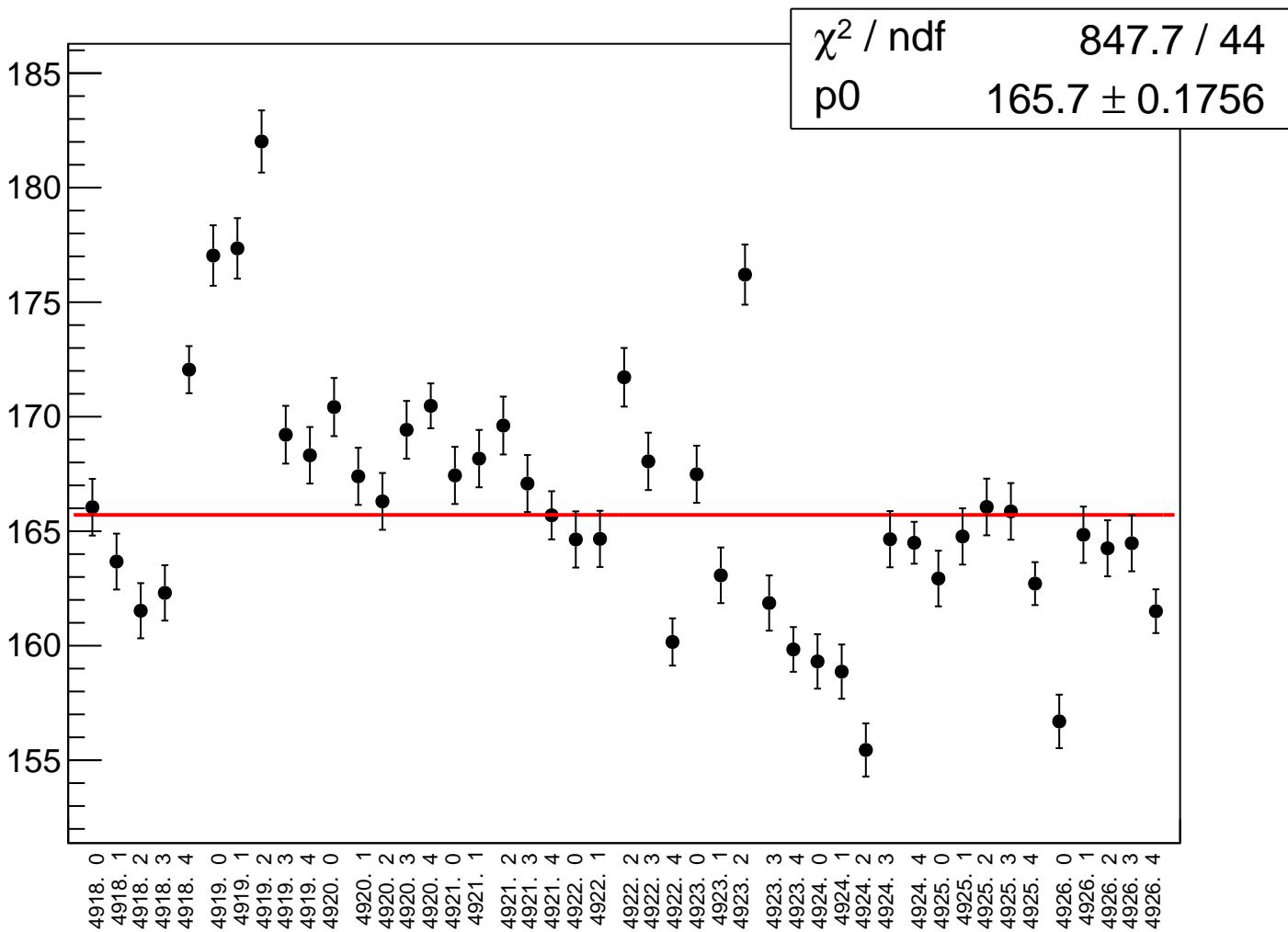
# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_rms vs run



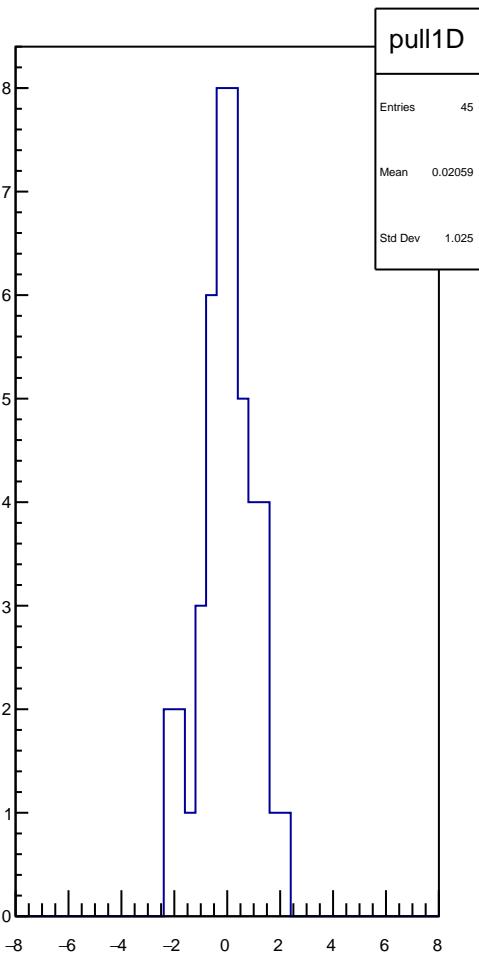
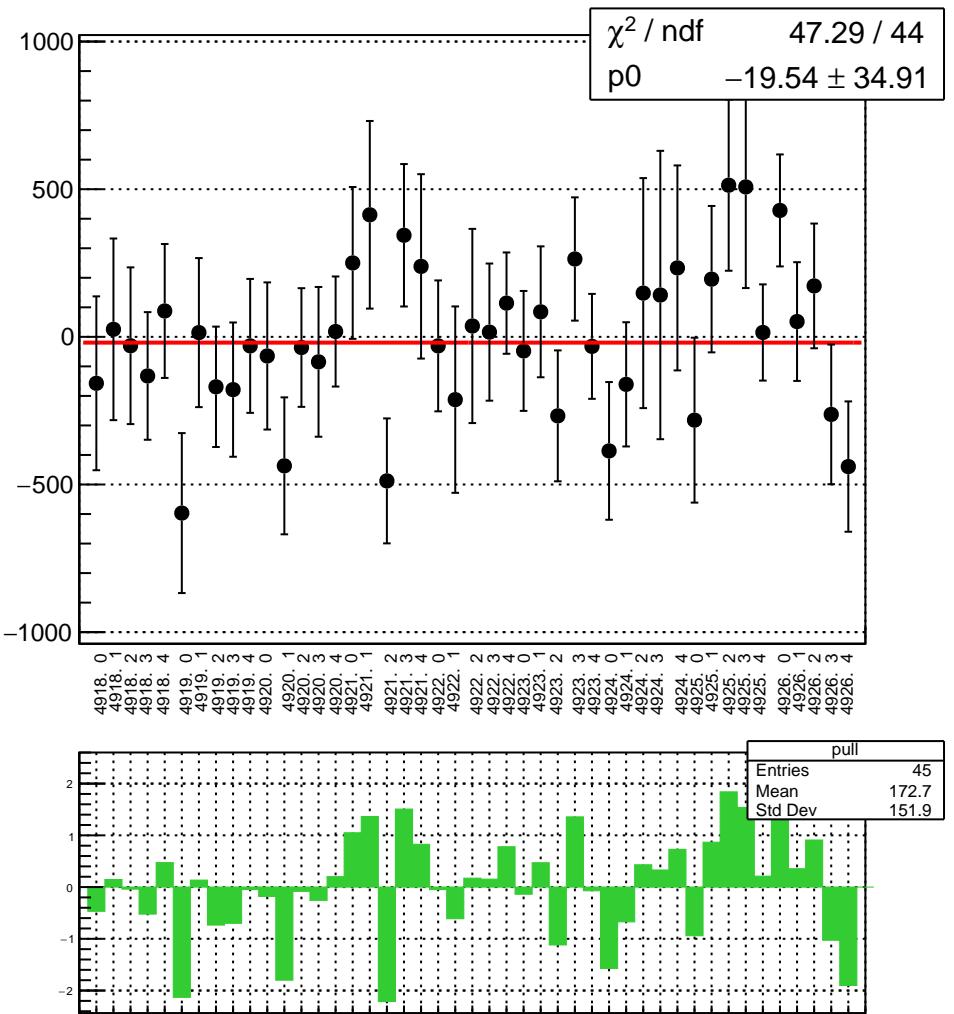
# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_avg\_mean vs run



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

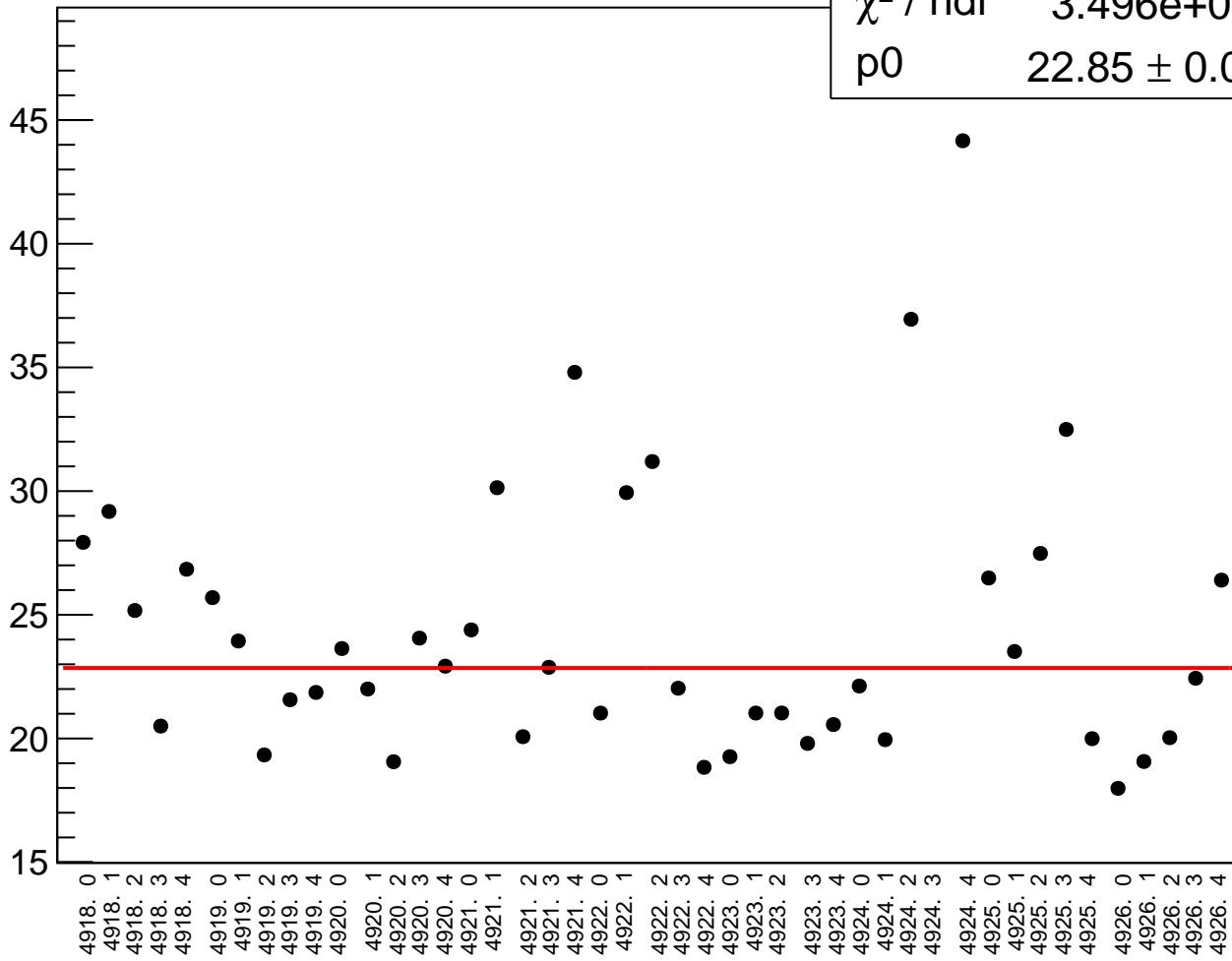


# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_mean vs run



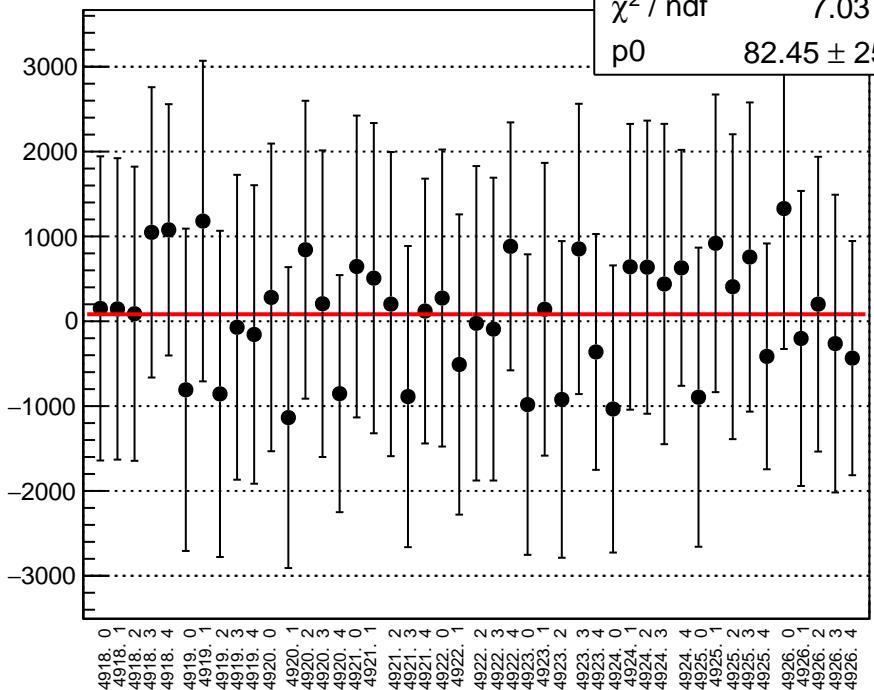
# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_rms vs run

$\chi^2 / \text{ndf}$      $3.496\text{e+}04 / 44$   
p0                 $22.85 \pm 0.02469$

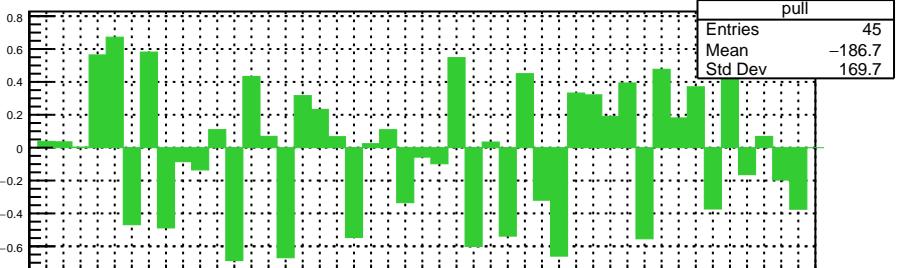


### asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_mean vs run

$\chi^2 / \text{ndf}$  7.03 / 44  
 $p0$   $82.45 \pm 252.4$

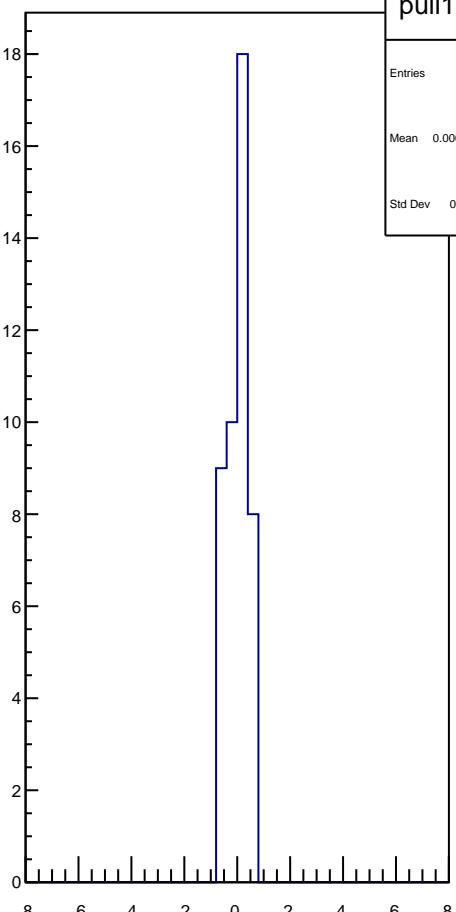


4918.0 4918.1 4918.2 4918.3 4918.4 4919.0 4919.1 4919.2 4919.3 4919.4 4920.0 4920.1 4920.2 4920.3 4920.4 4921.0 4921.1 4921.2 4921.3 4921.4 4922.0 4922.1 4922.2 4922.3 4922.4 4923.0 4923.1 4923.2 4923.3 4923.4 4924.0 4924.1 4924.2 4924.3 4924.4 4925.0 4925.1 4925.2 4925.3 4925.4 4926.0 4926.1 4926.2 4926.3 4926.4

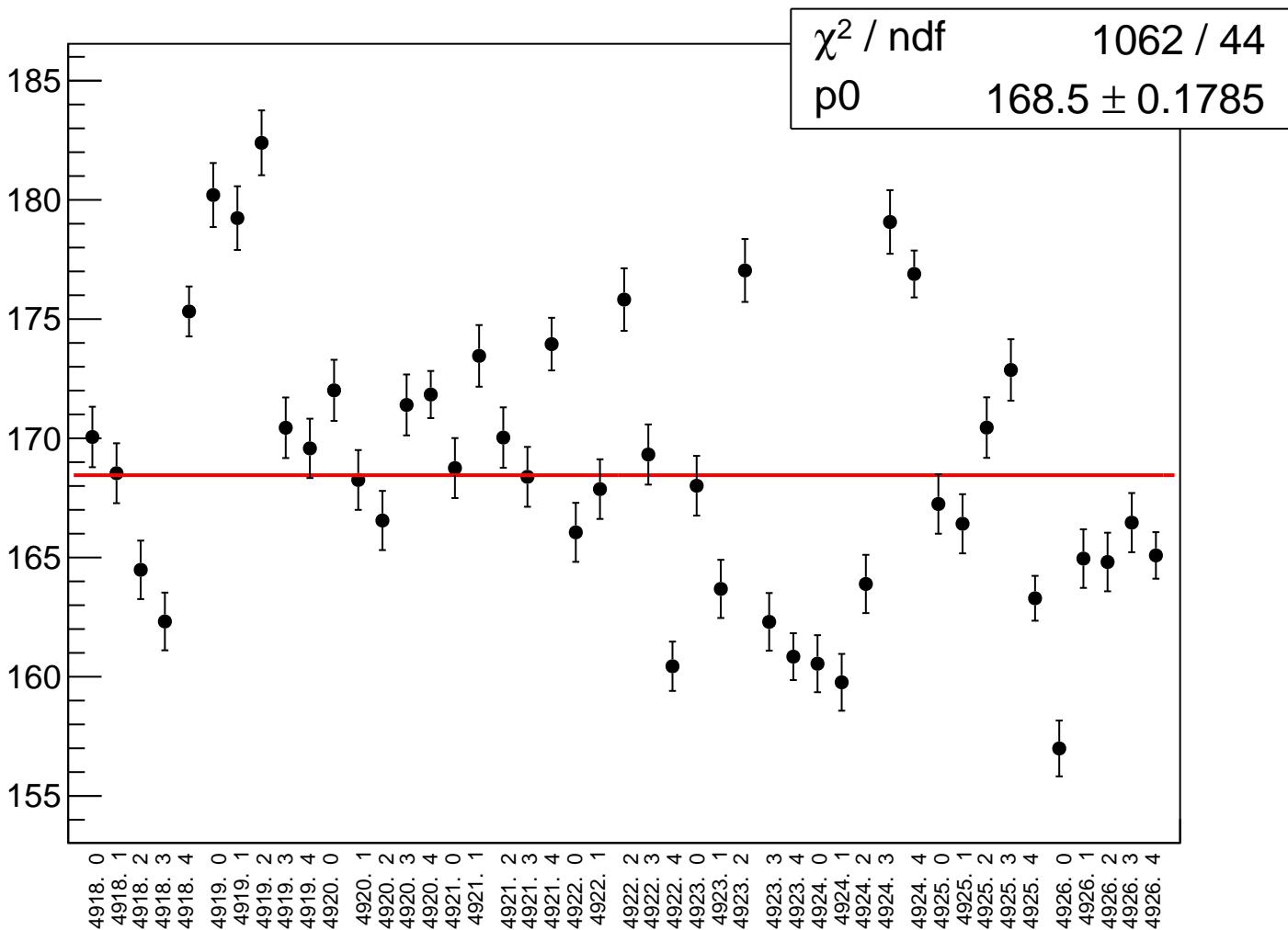


pull1D

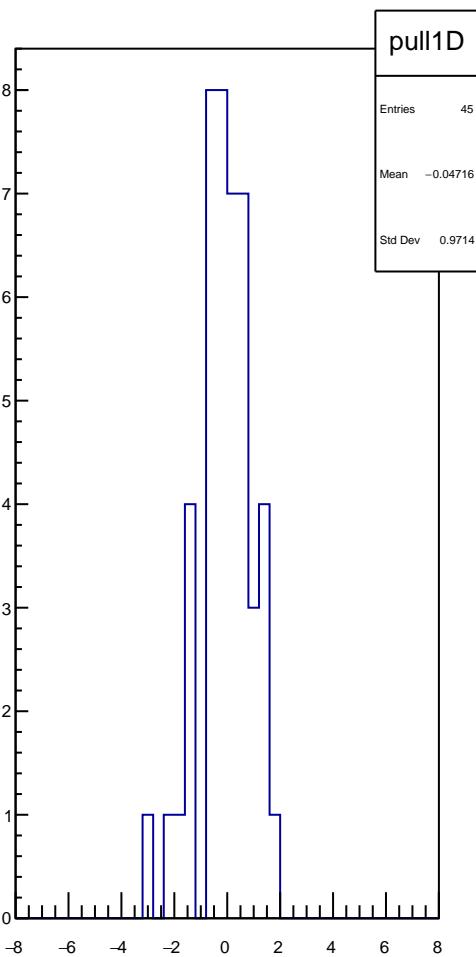
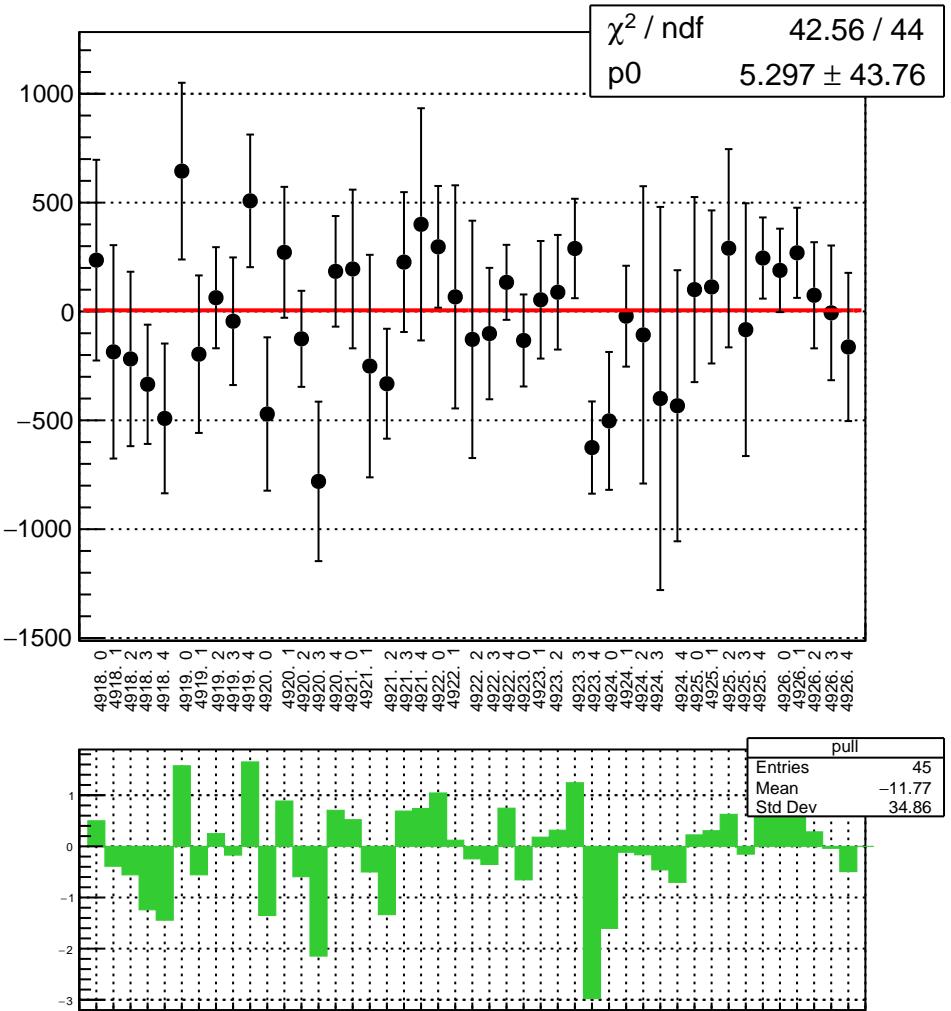
Entries 45  
 Mean 0.0004881  
 Std Dev 0.3953



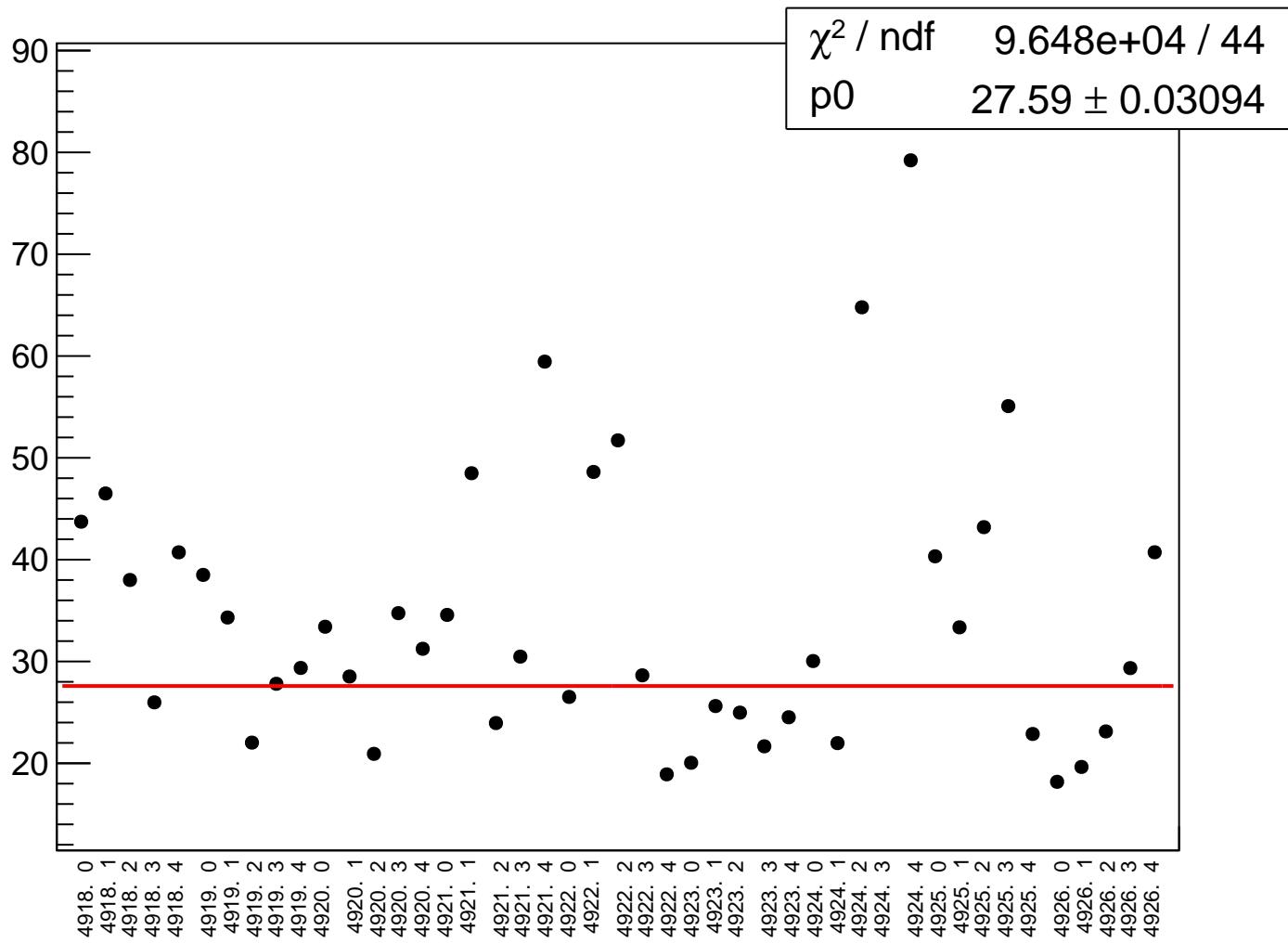
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_rms vs run



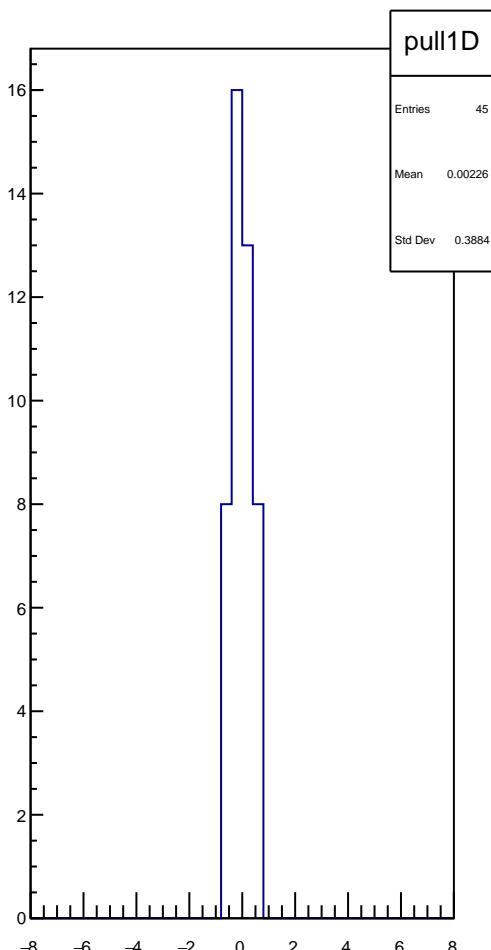
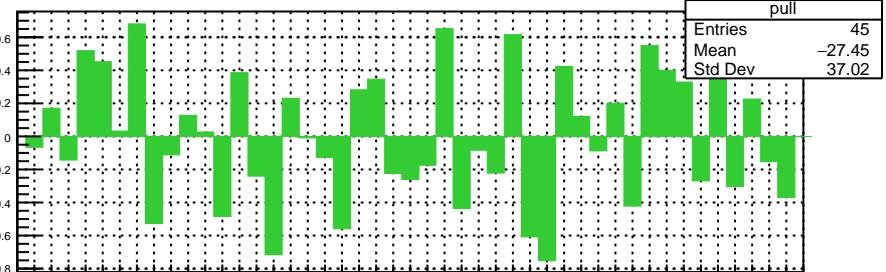
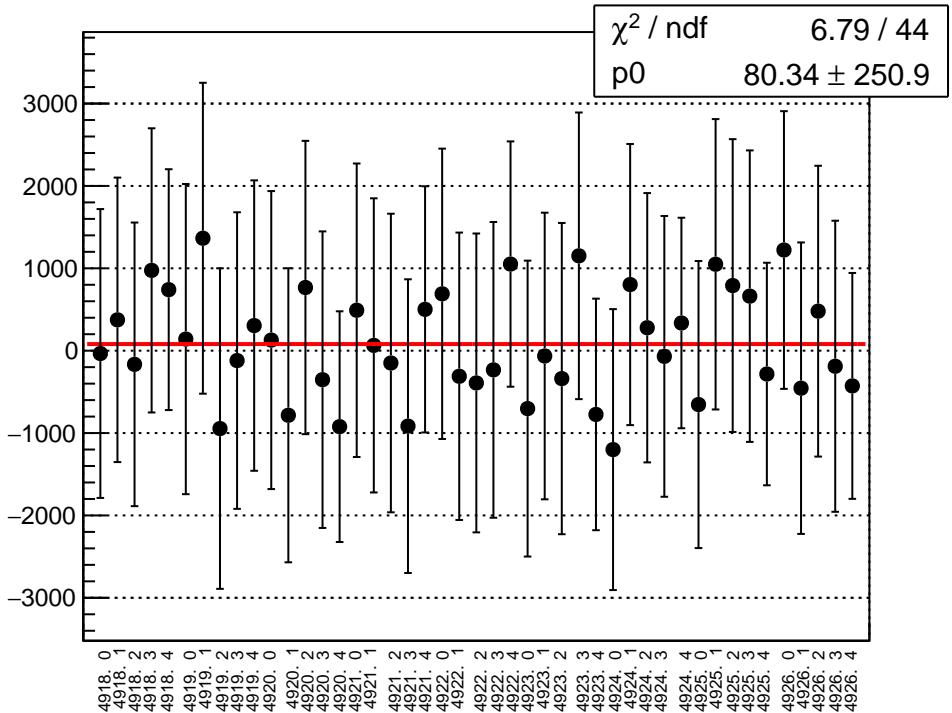
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_mean vs run



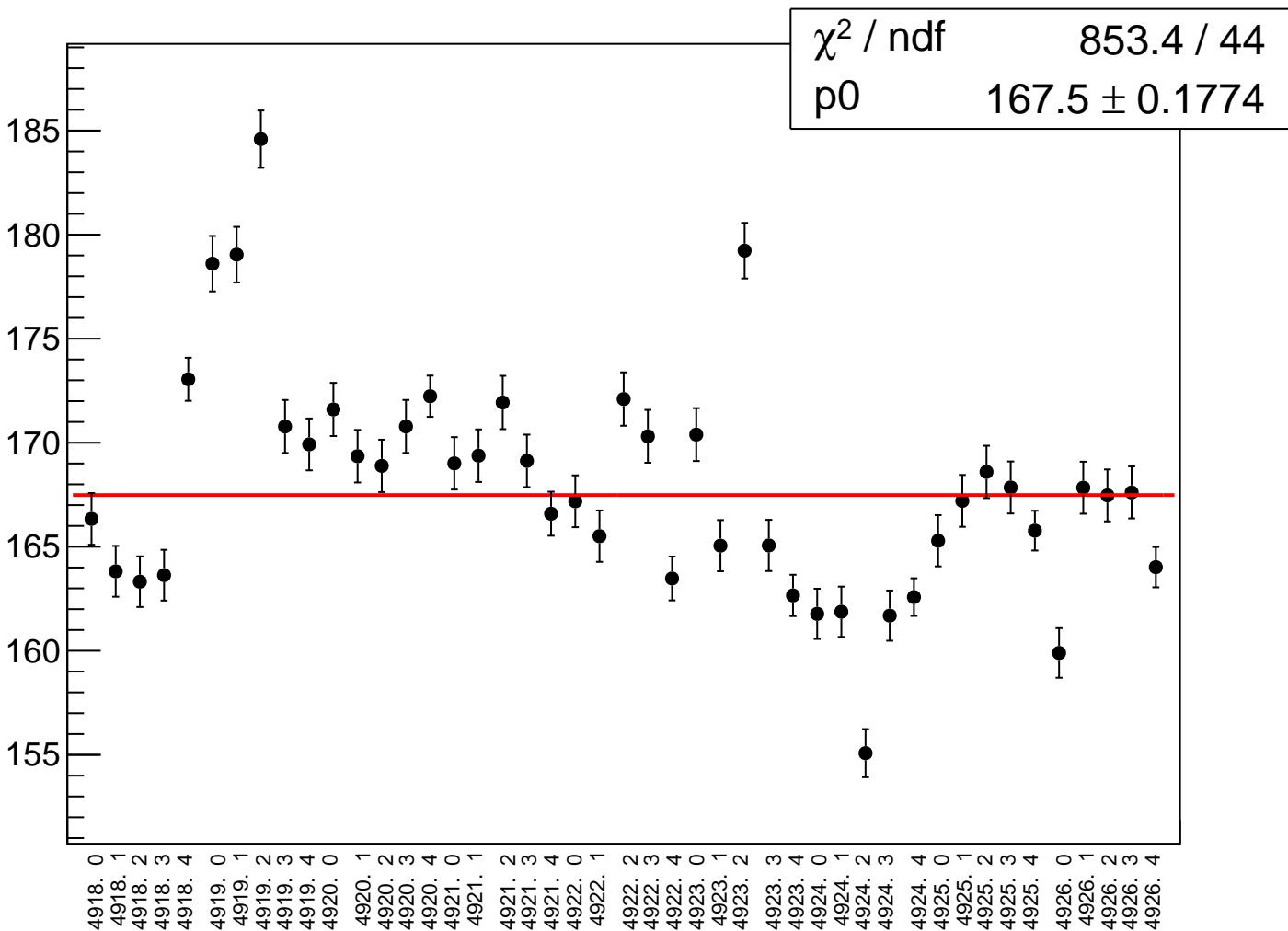
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_rms vs run



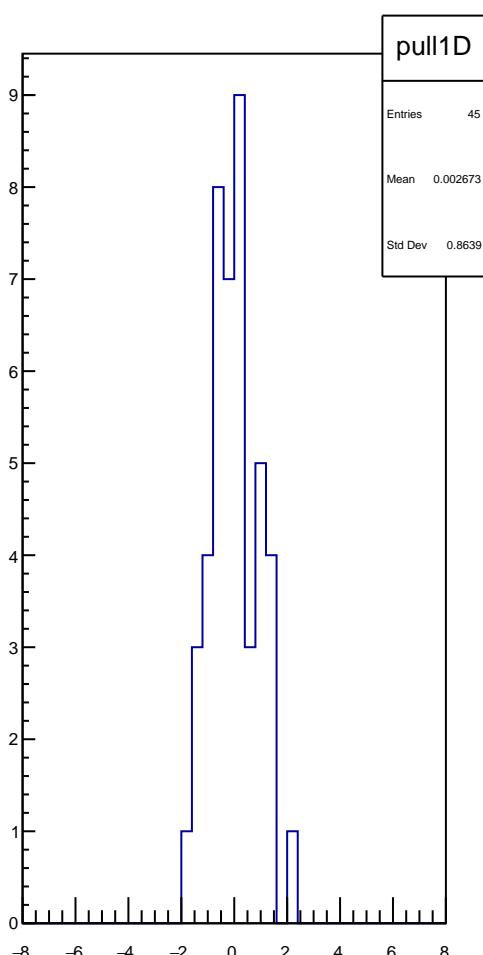
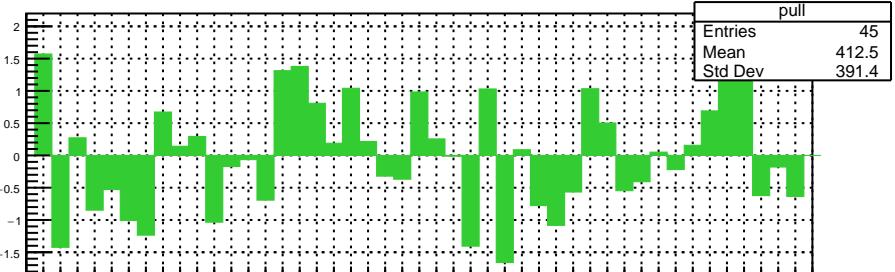
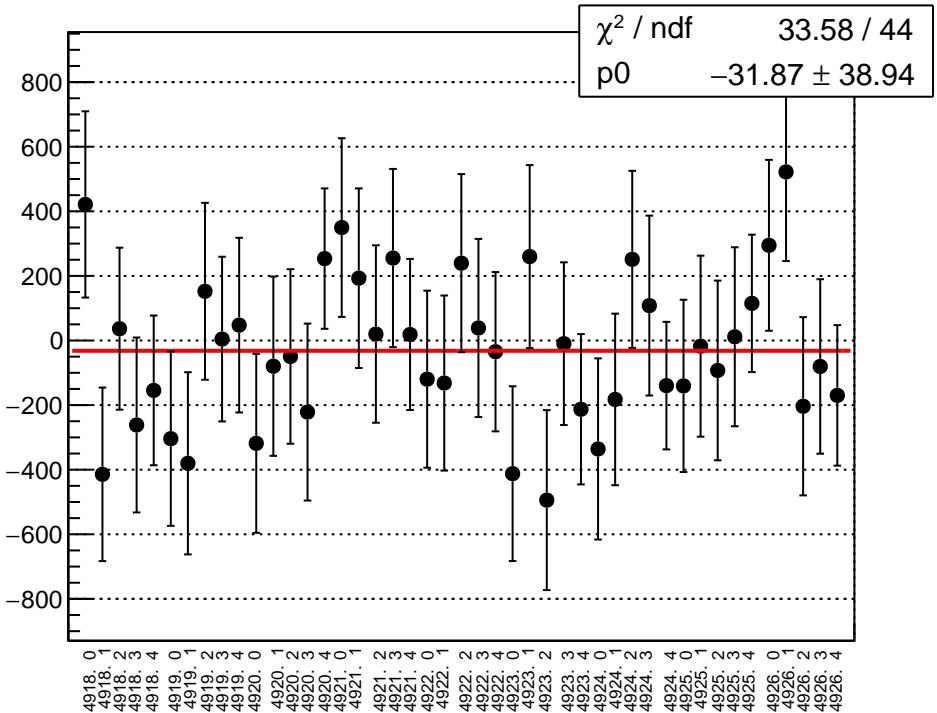
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_mean vs run



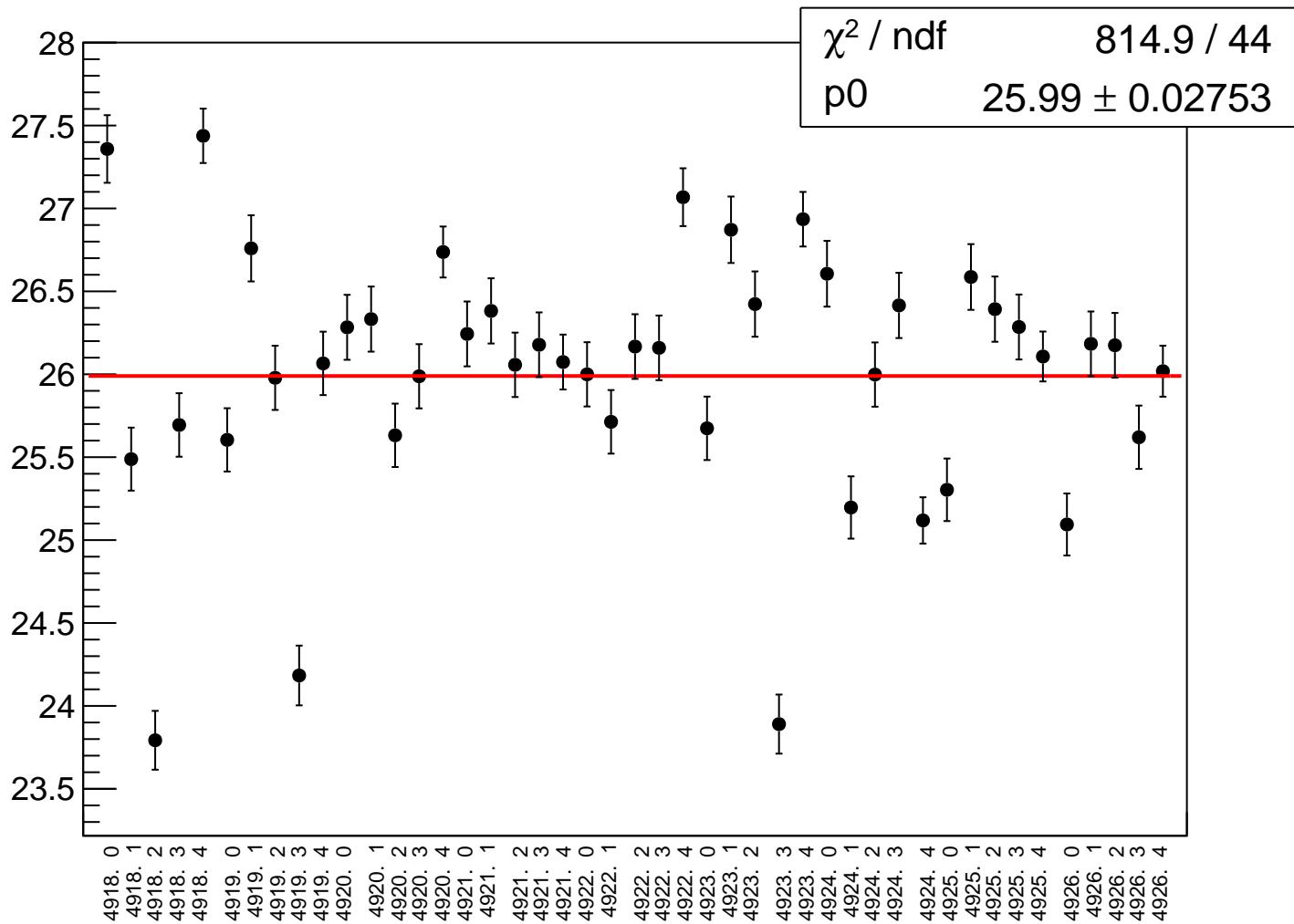
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_rms vs run



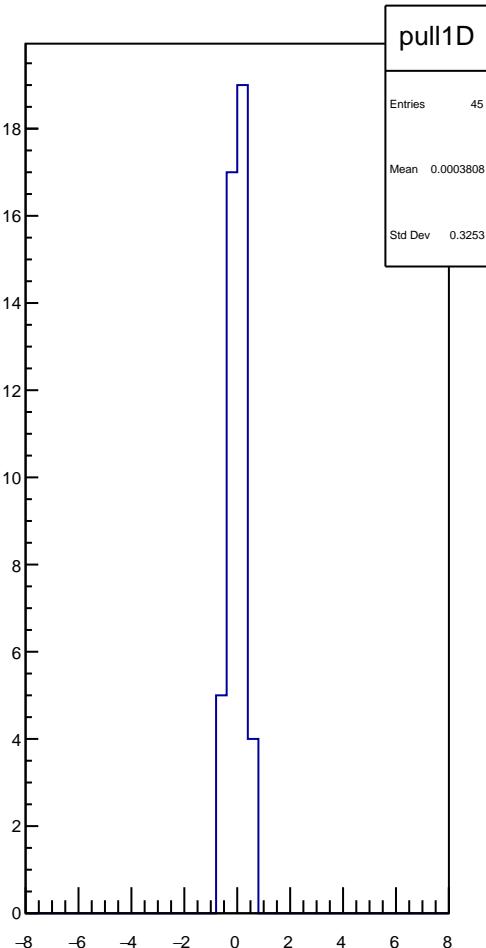
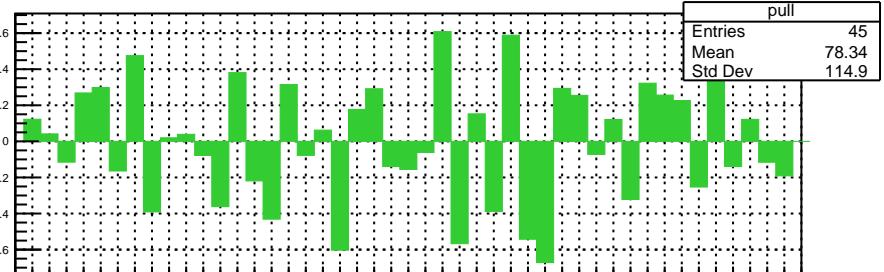
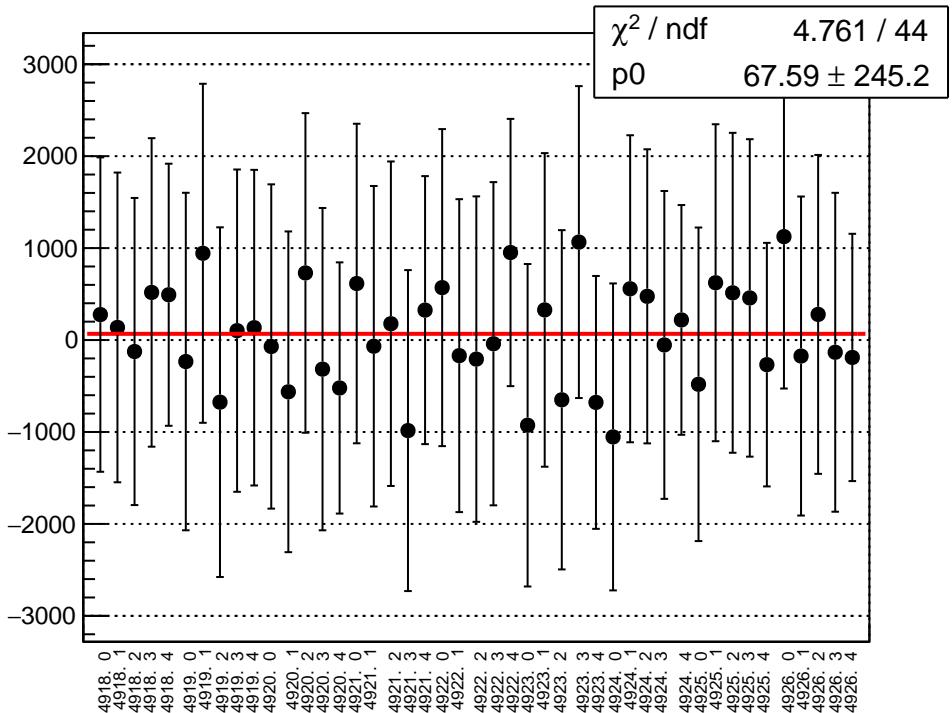
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_mean vs run



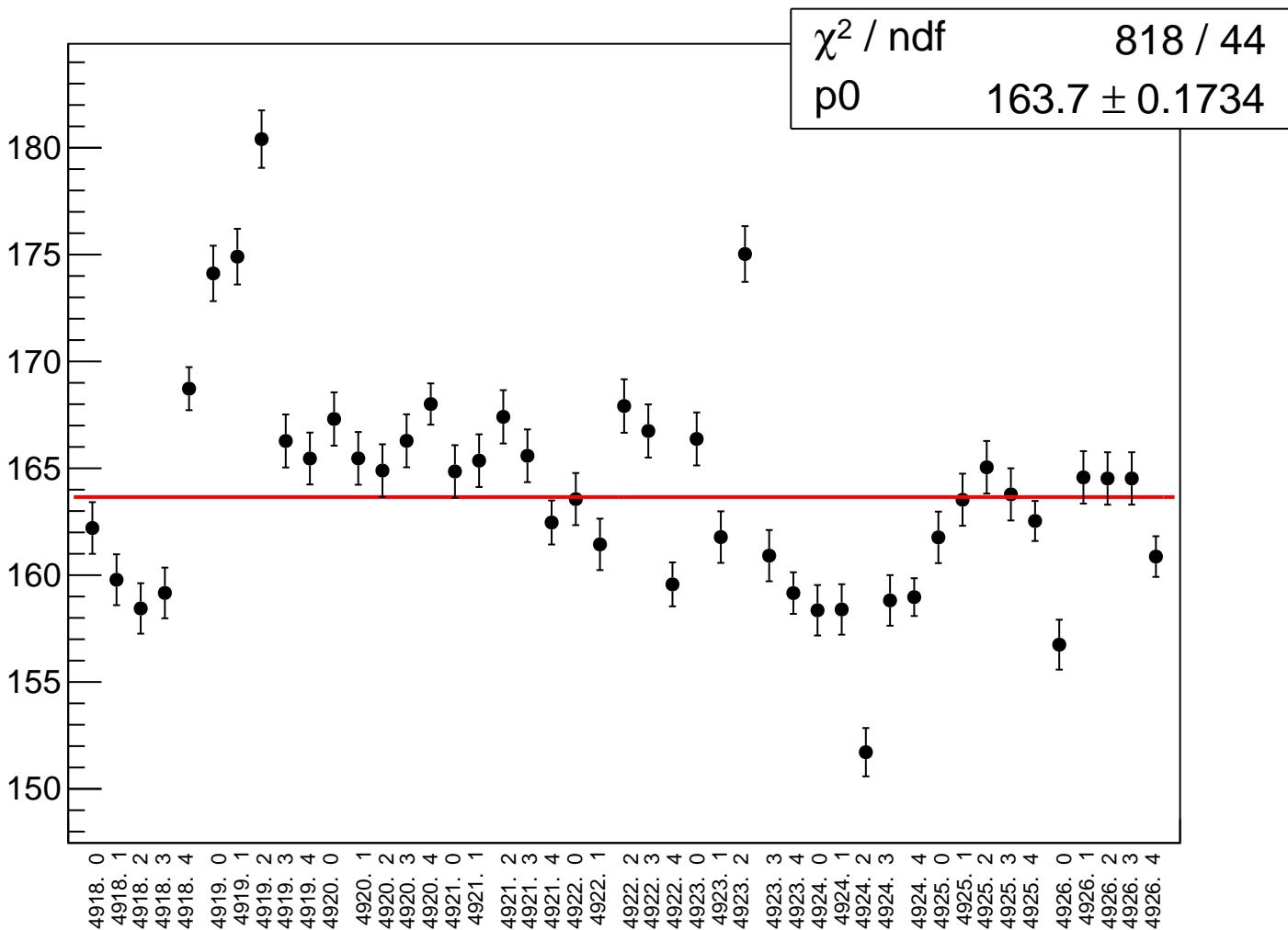
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_rms vs run



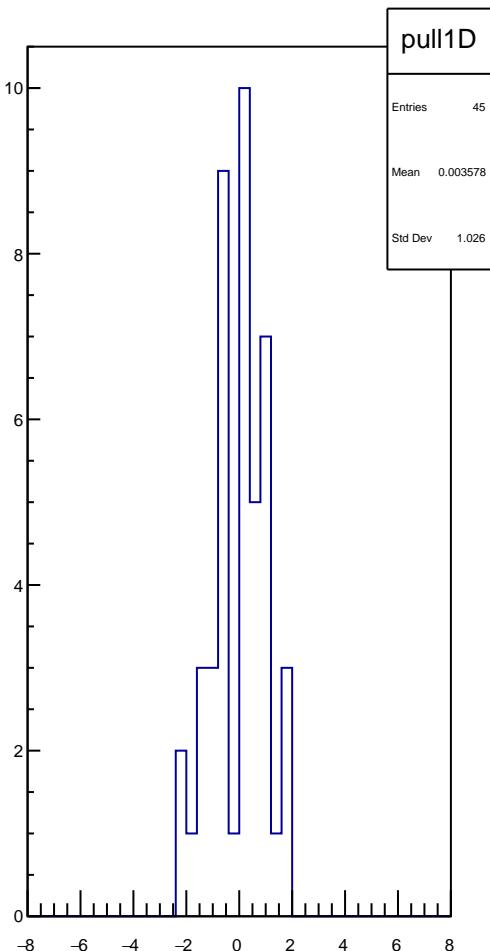
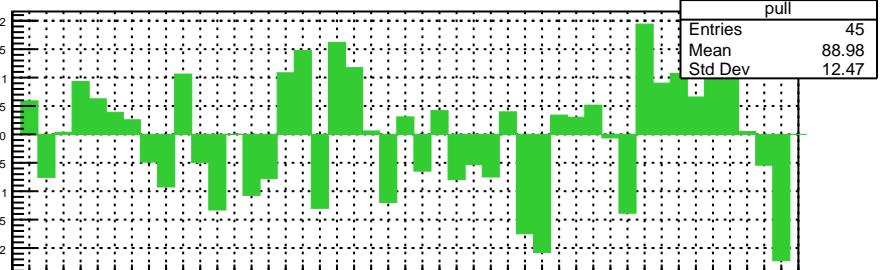
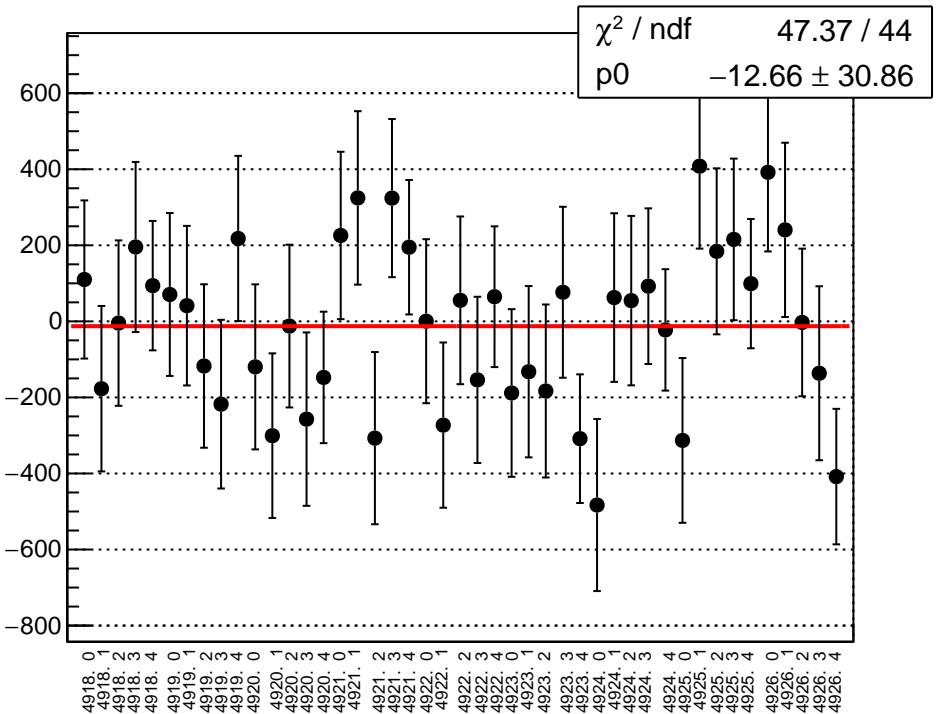
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_mean vs run



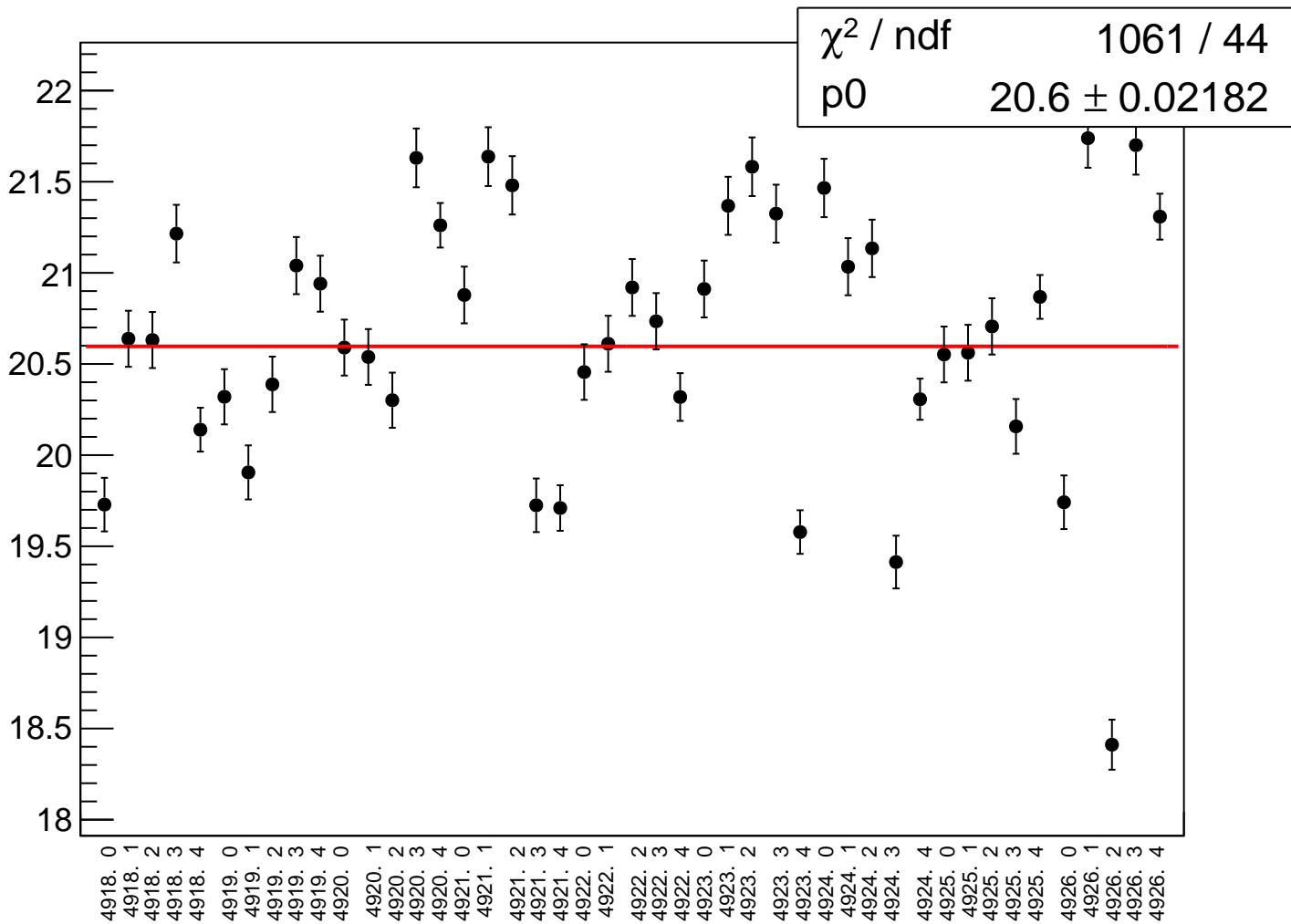
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_rms vs run



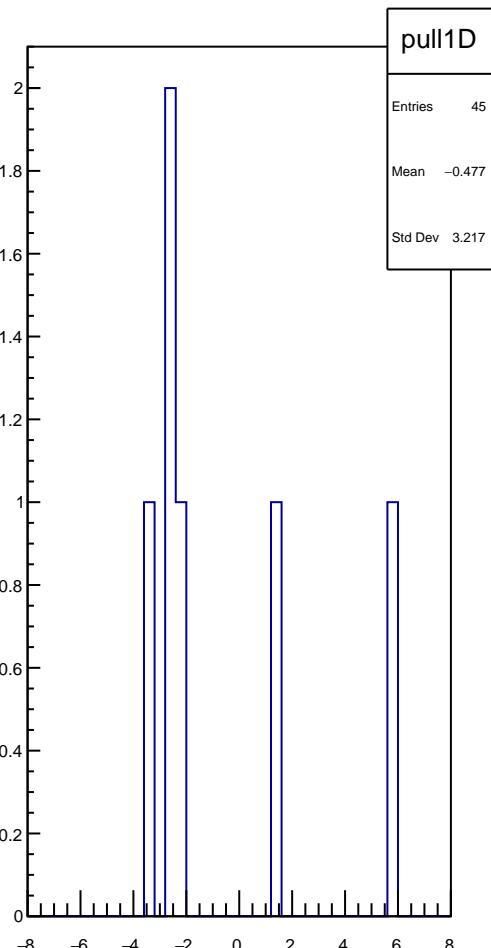
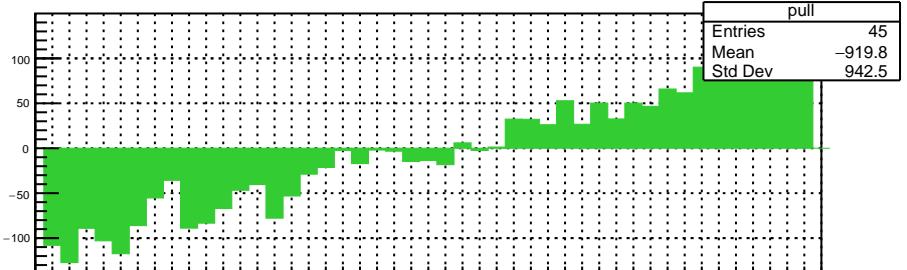
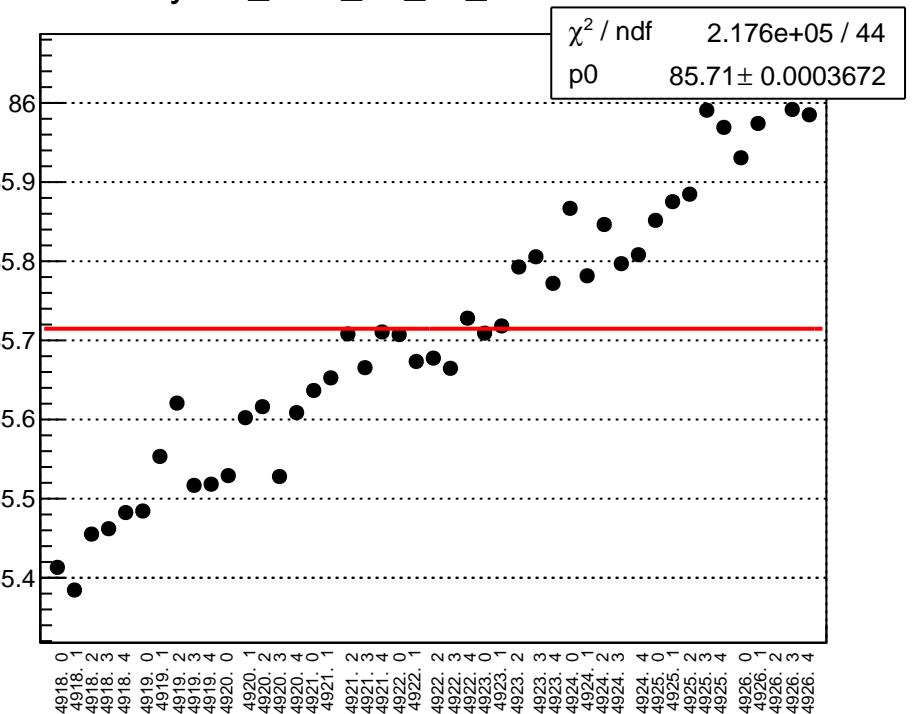
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_mean vs run



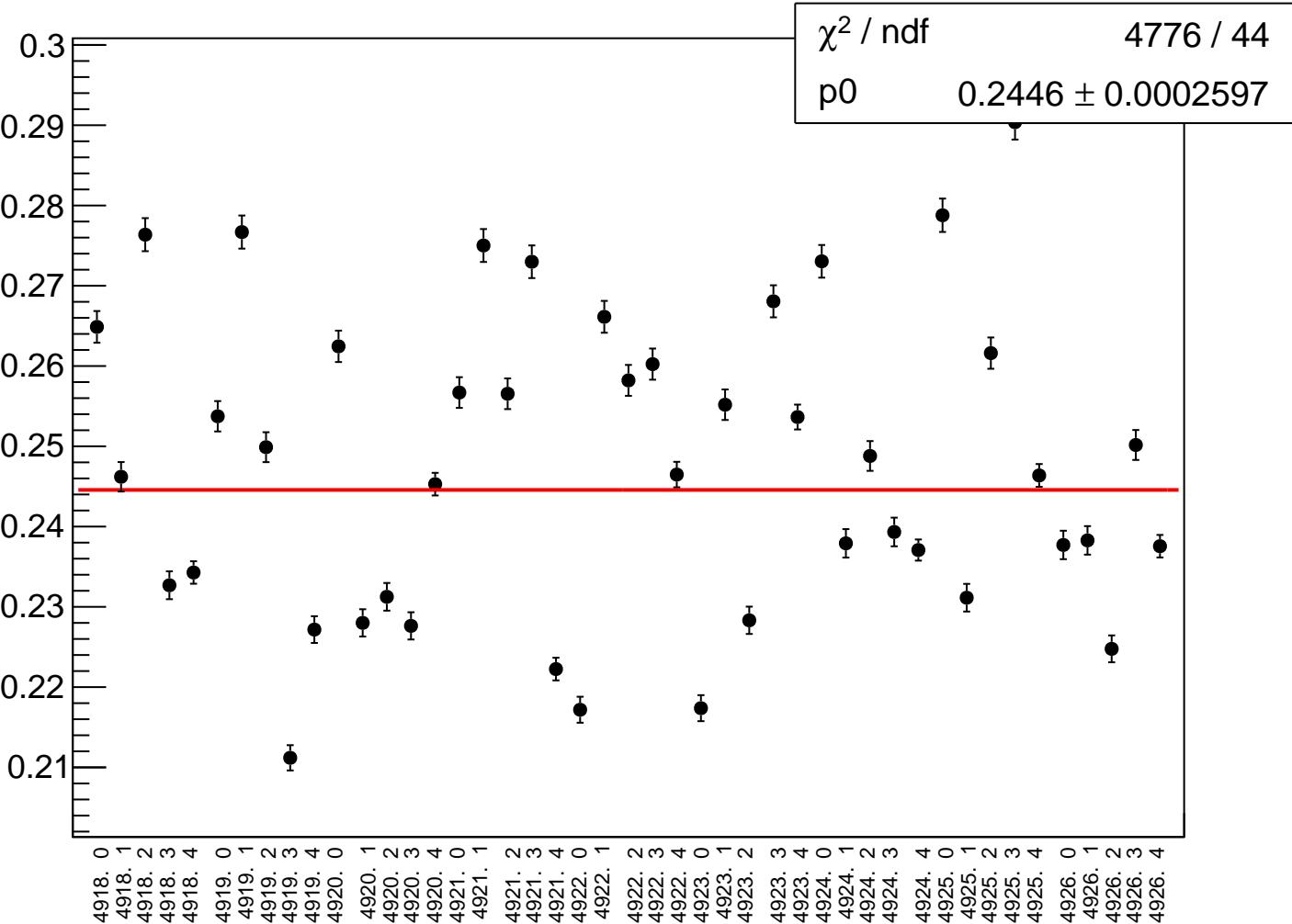
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_rms vs run



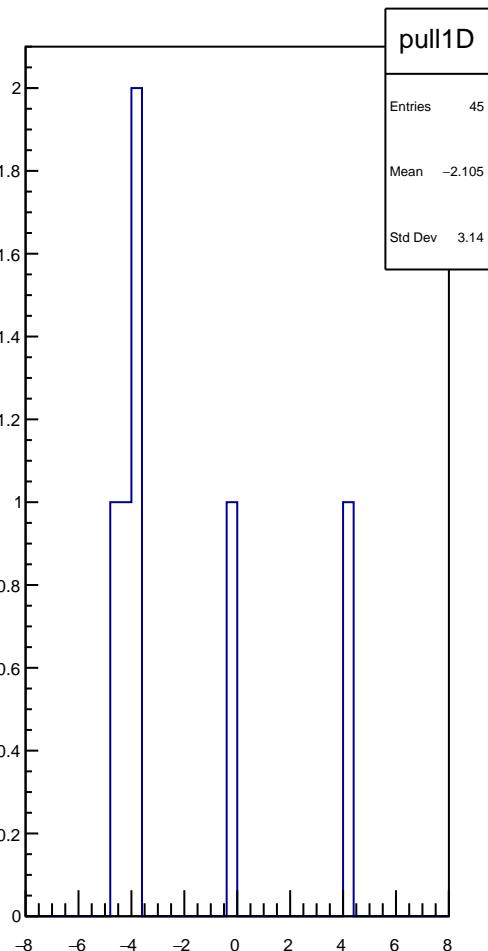
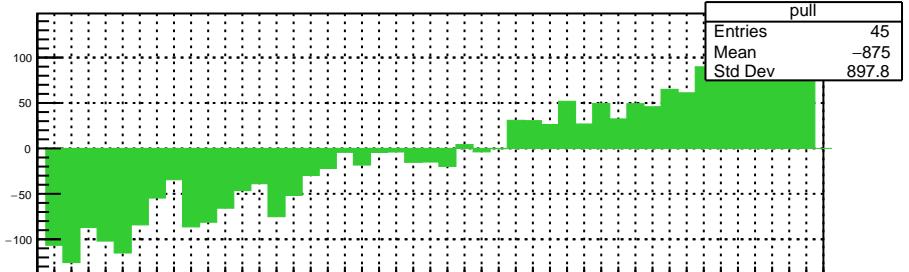
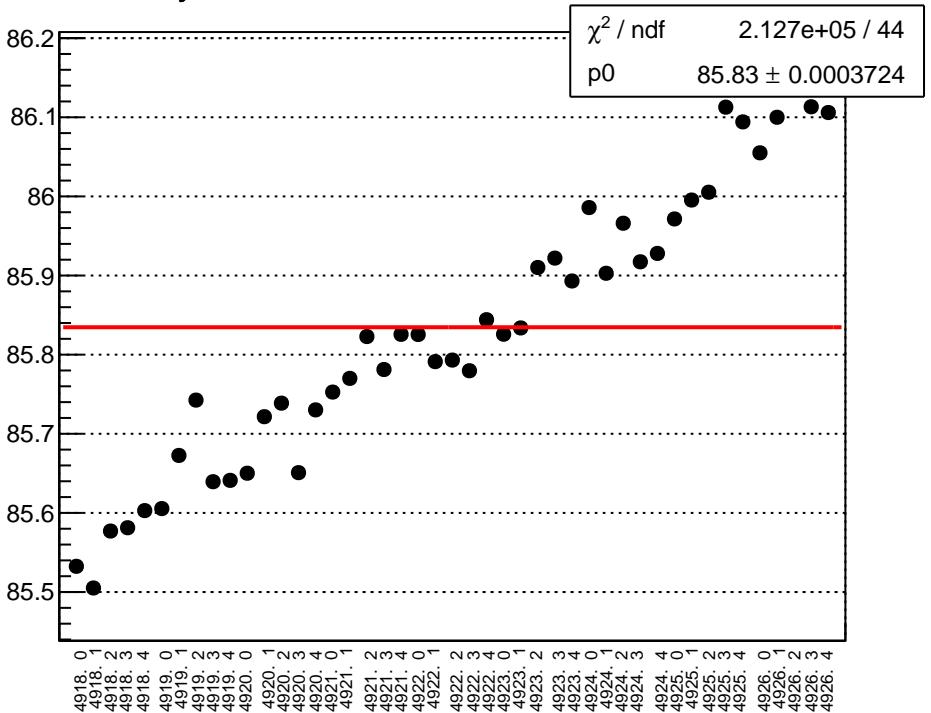
# yield\_bcm\_an\_ds\_mean vs run



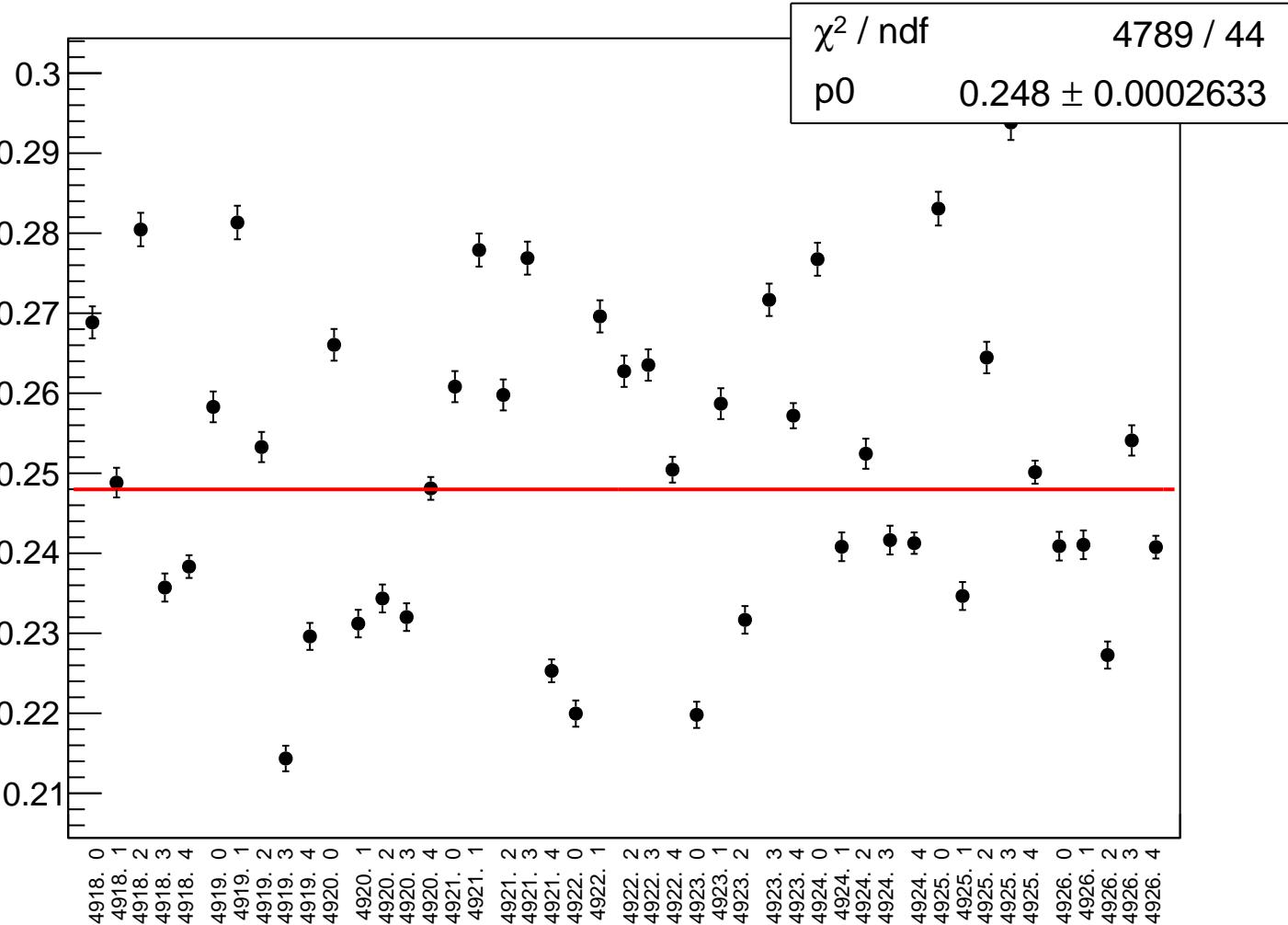
# yield\_bcm\_an\_ds\_rms vs run



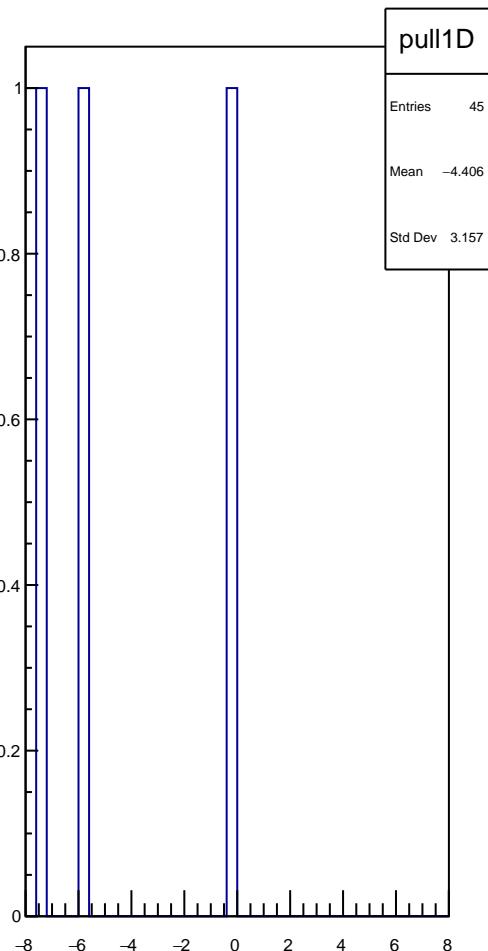
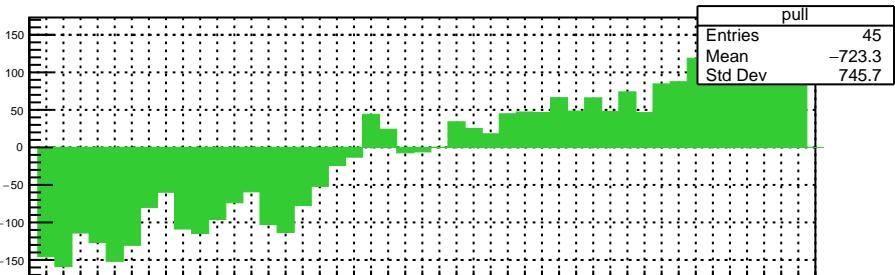
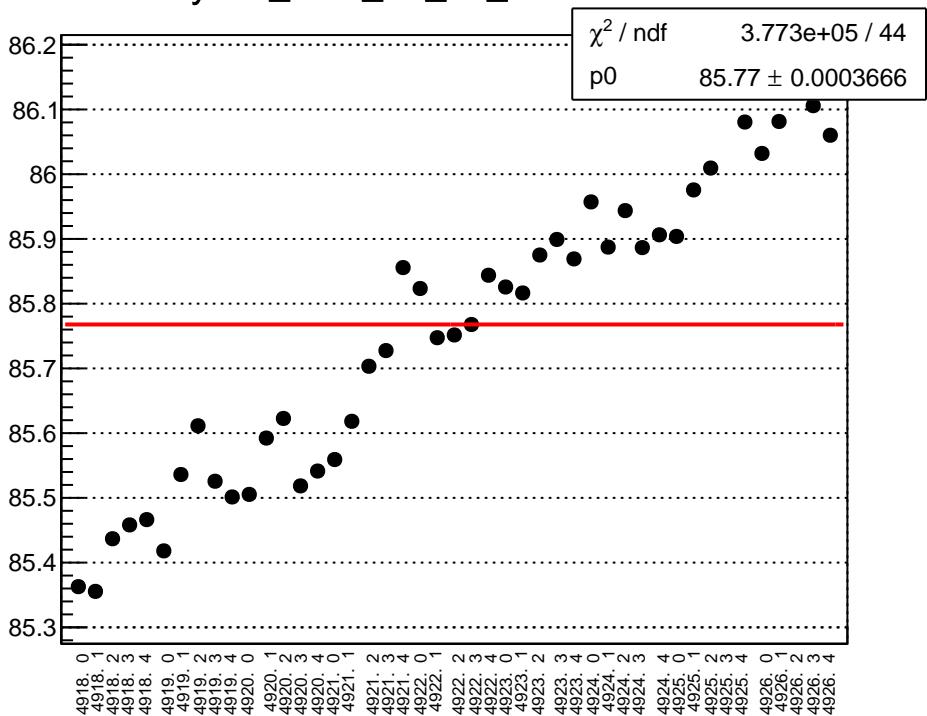
# yield\_bcm\_an\_ds3\_mean vs run



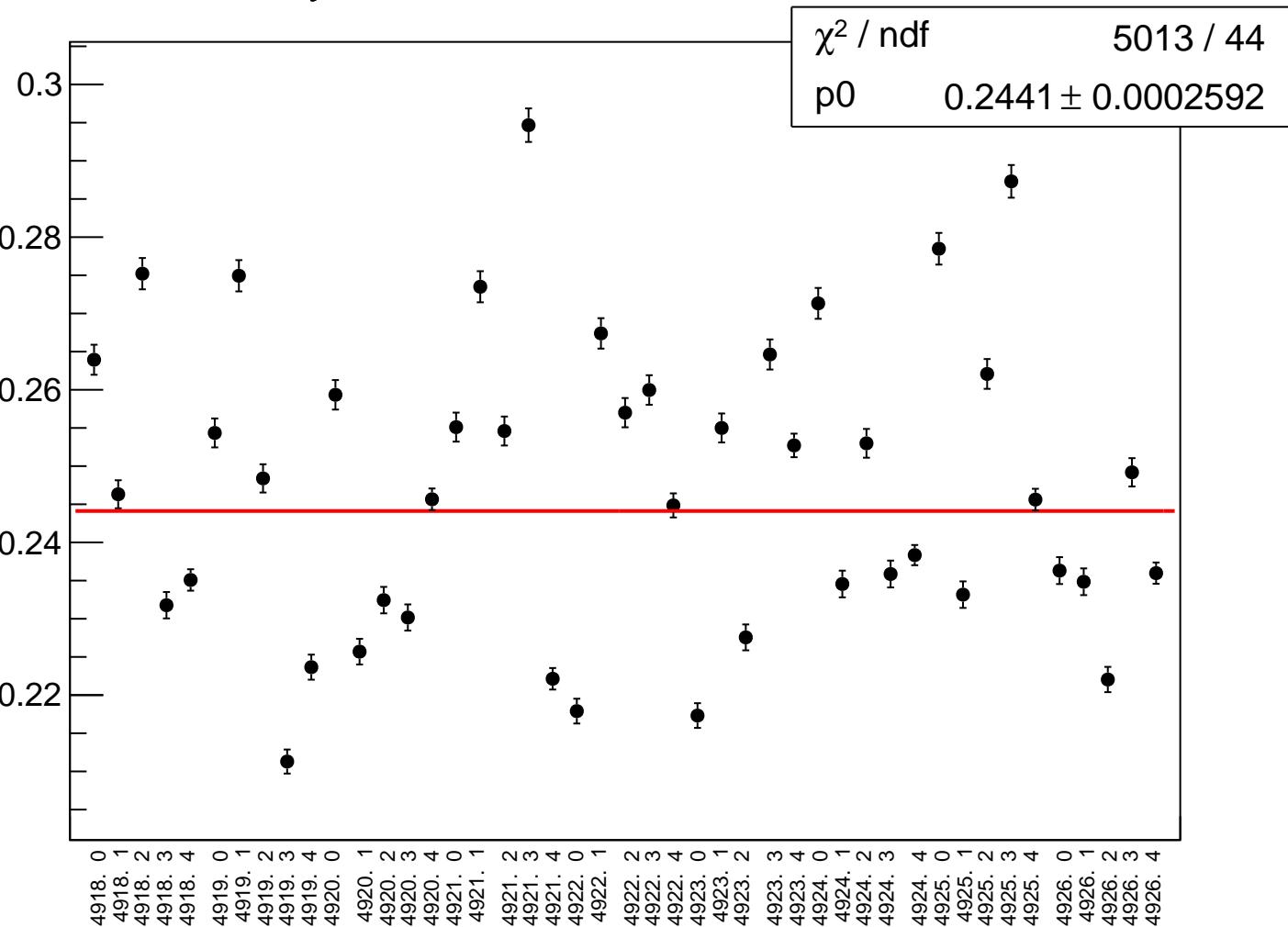
# yield\_bcm\_an\_ds3\_rms vs run



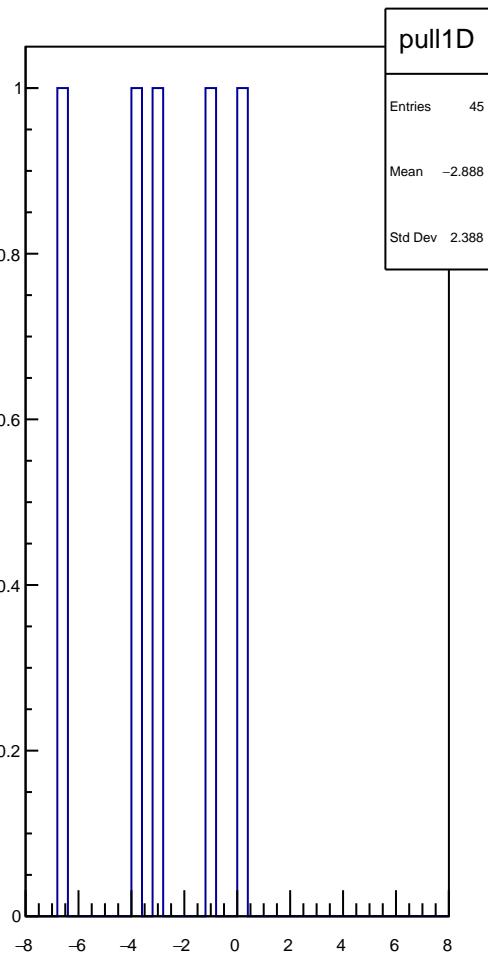
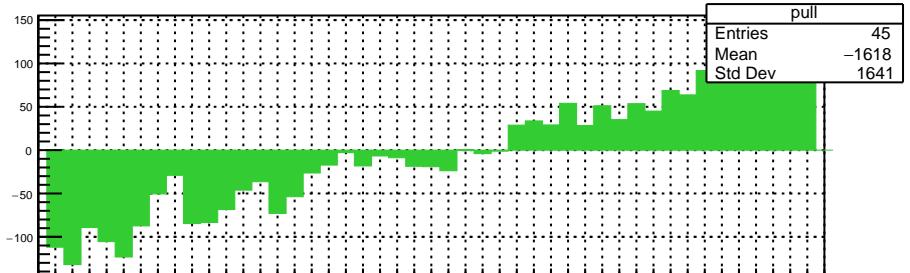
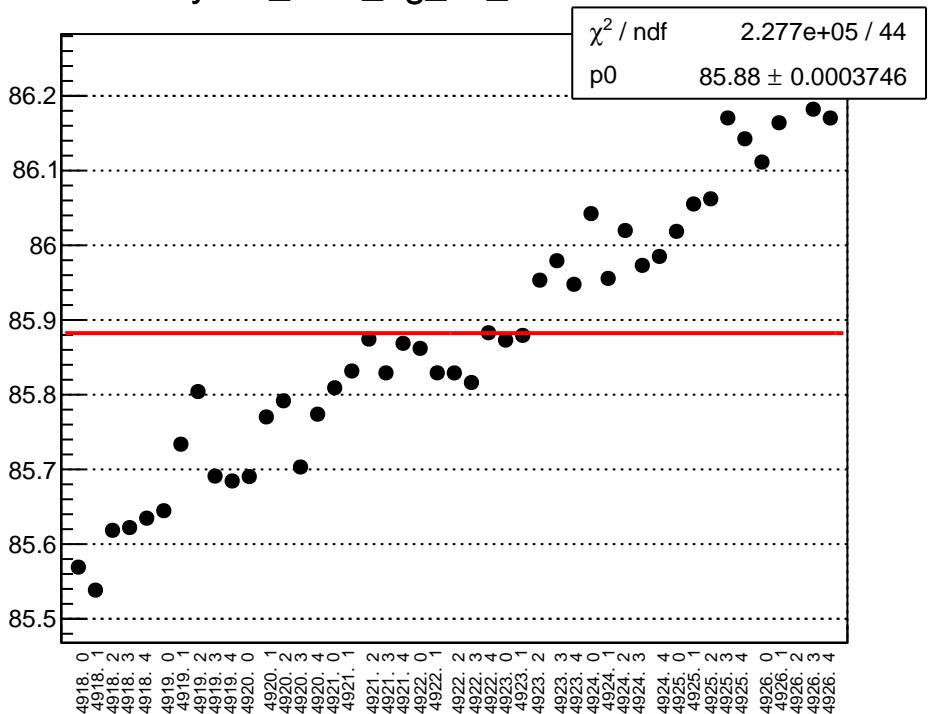
# yield\_bcm\_an\_us\_mean vs run



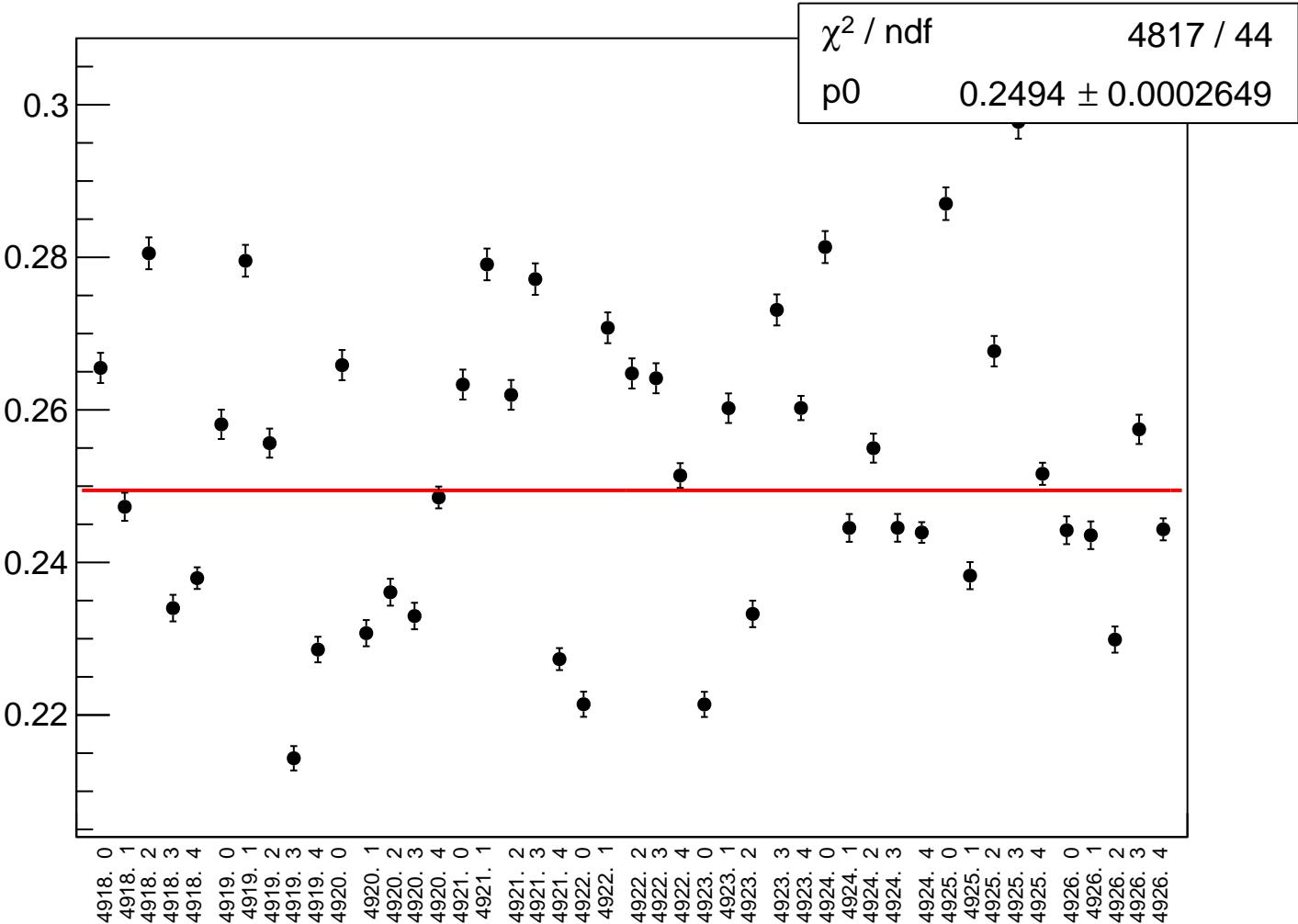
# yield\_bcm\_an\_us\_rms vs run



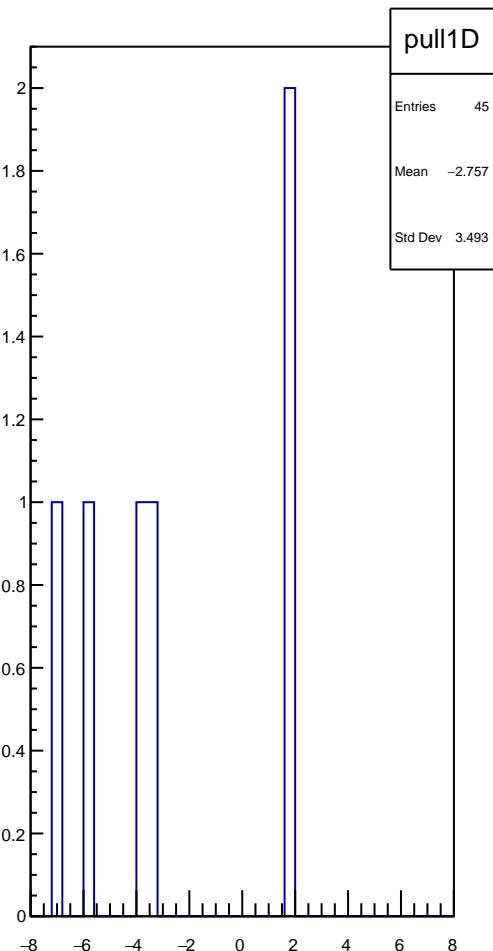
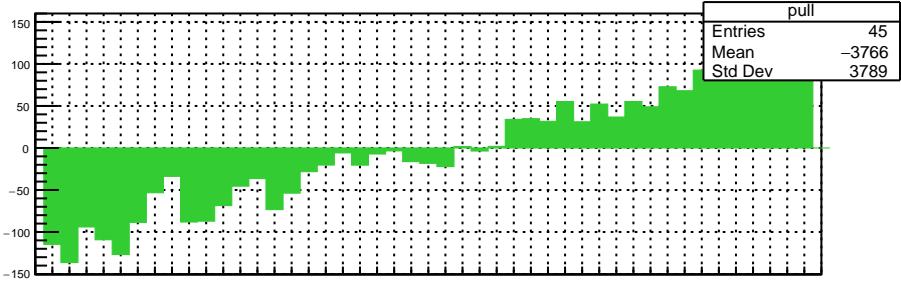
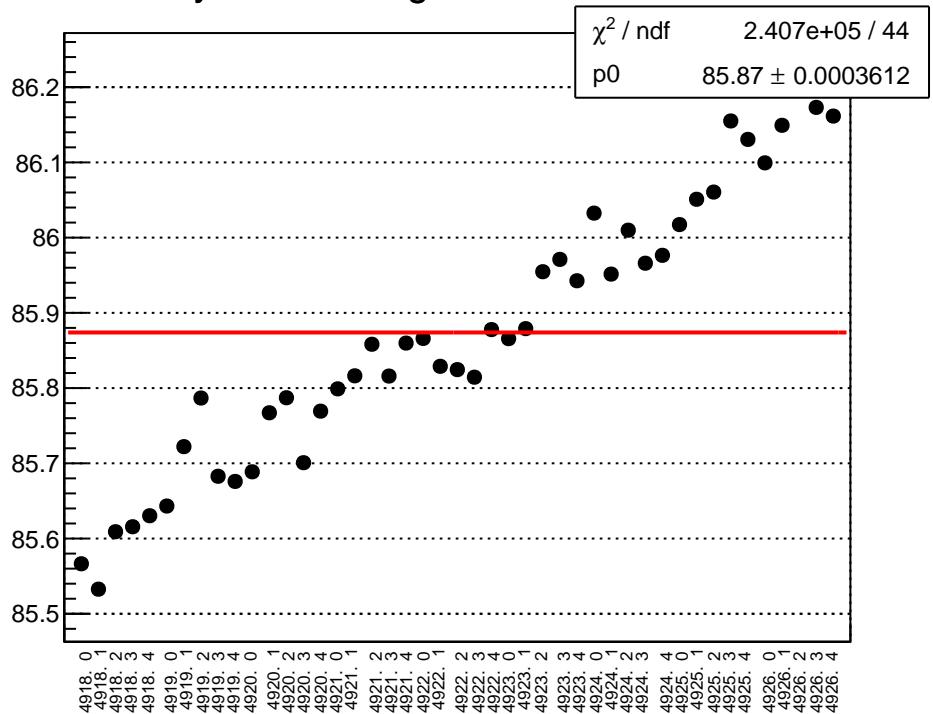
# yield\_bcm\_dg\_us\_mean vs run



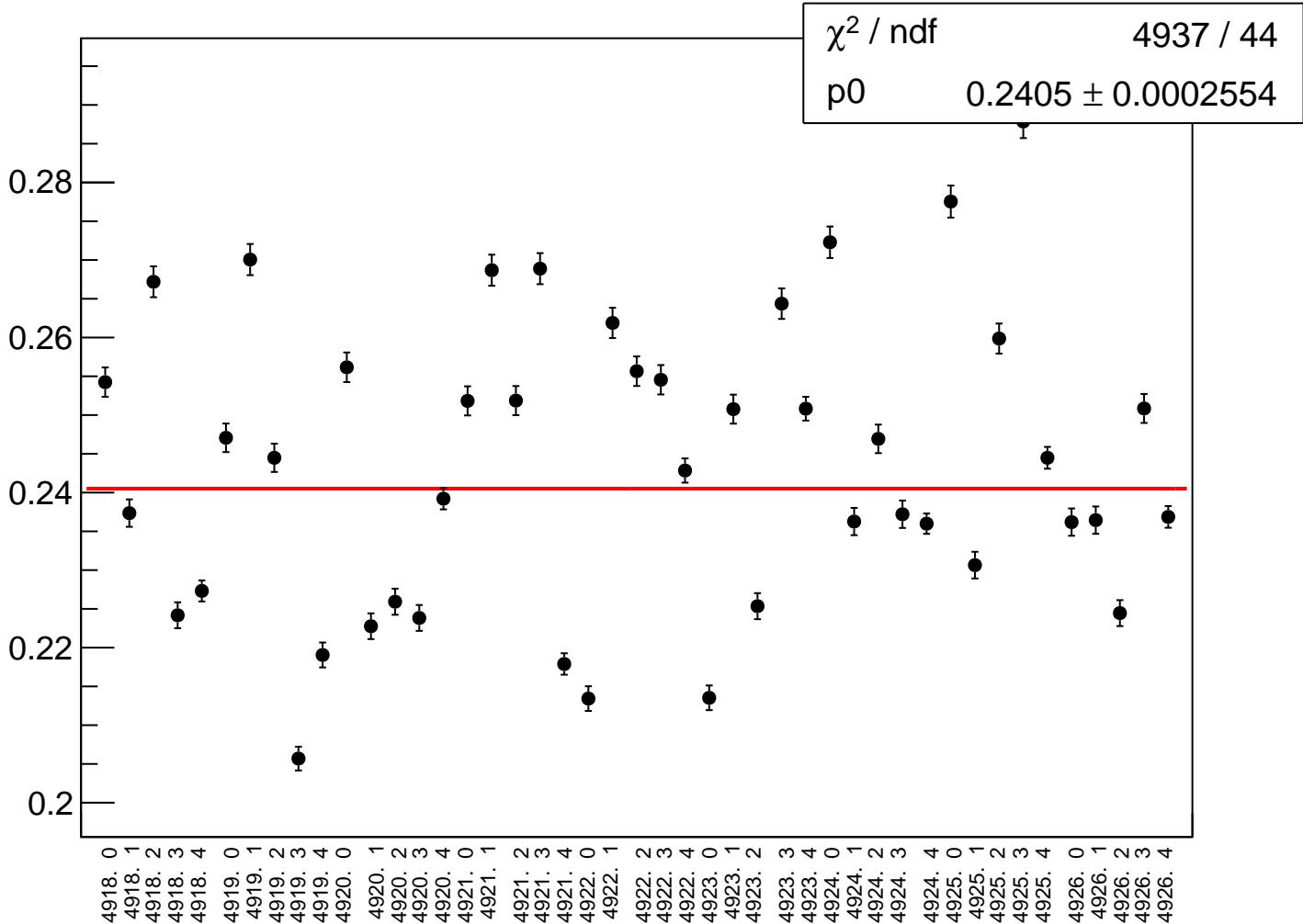
# yield\_bcm\_dg\_us\_rms vs run



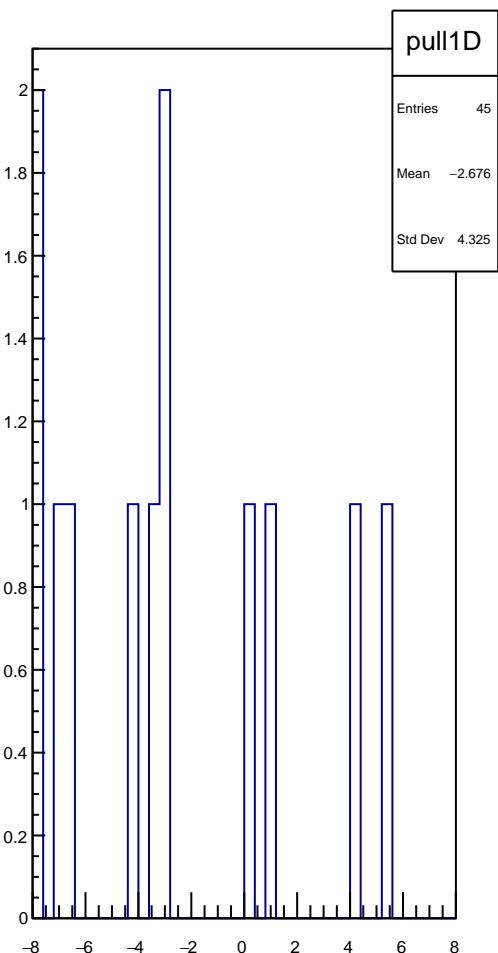
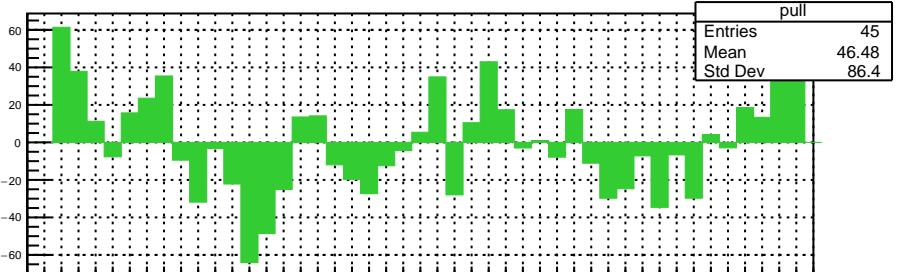
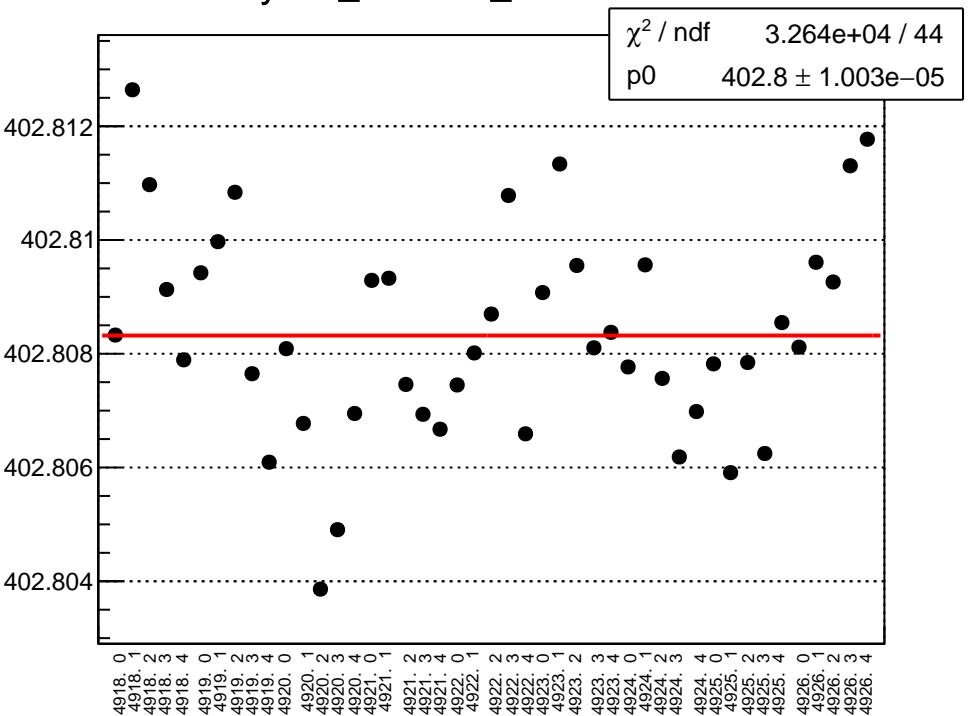
# yield\_bcm\_dg\_ds\_mean vs run



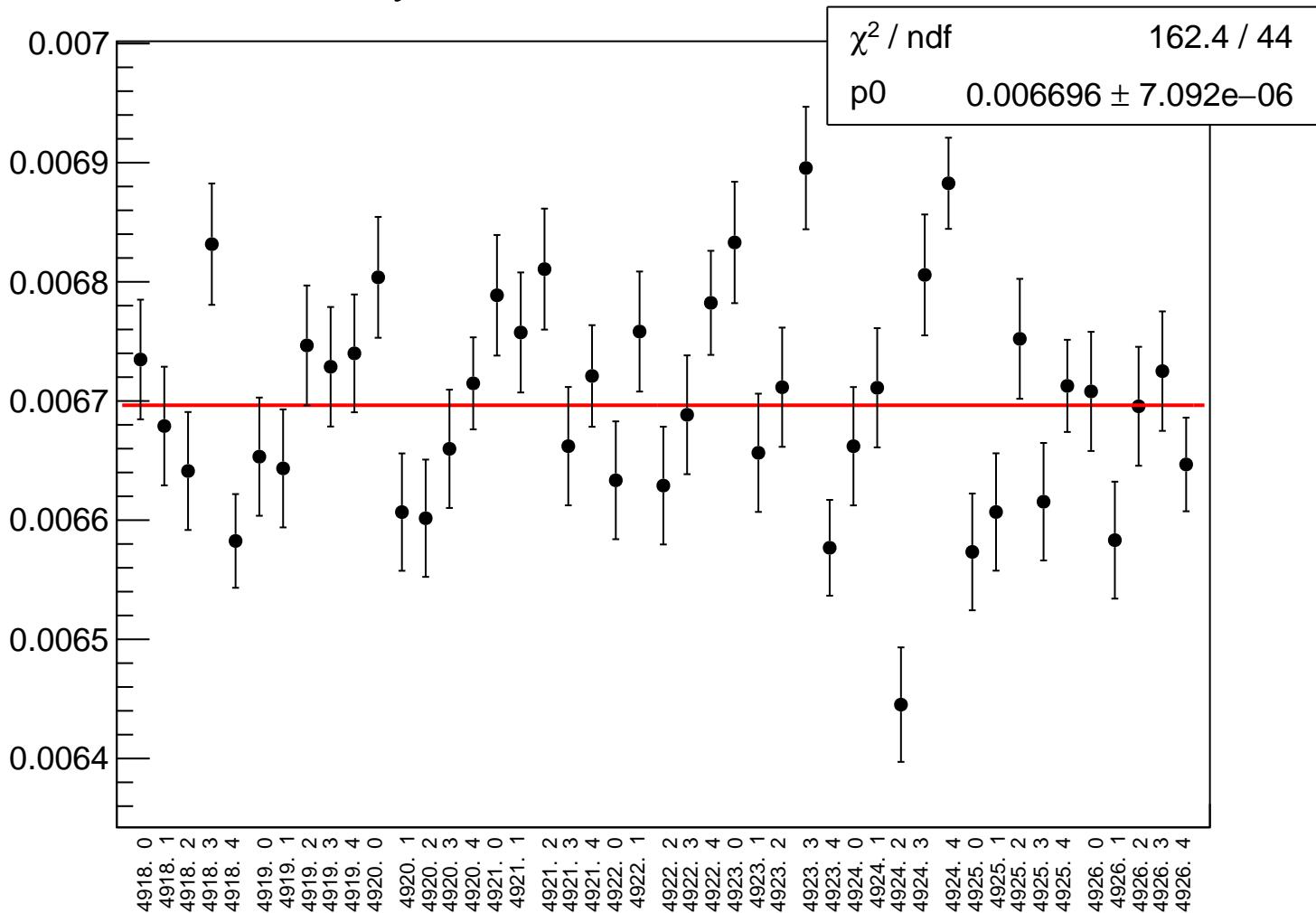
# yield\_bcm\_dg\_ds\_rms vs run



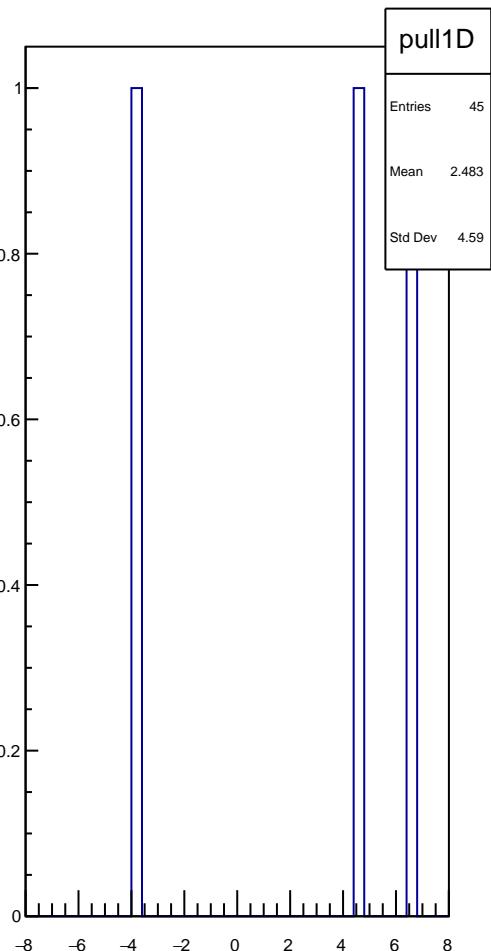
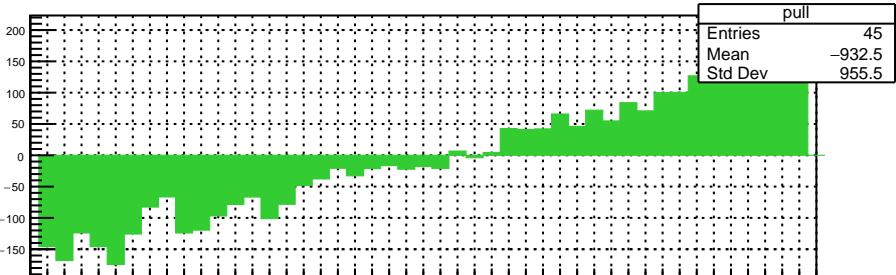
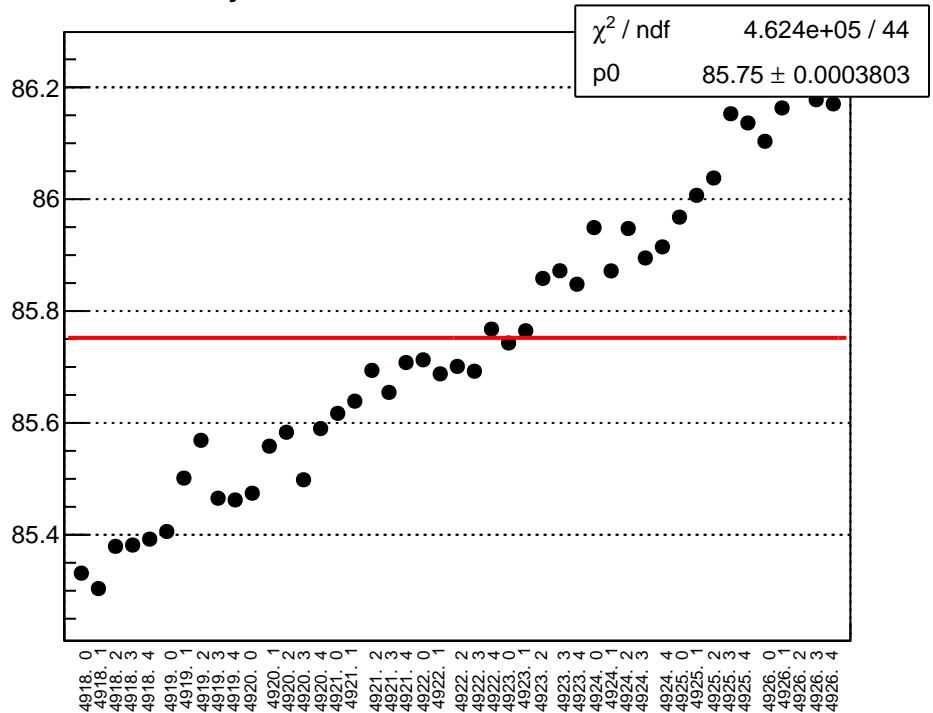
# yield\_cav4bQ\_mean vs run



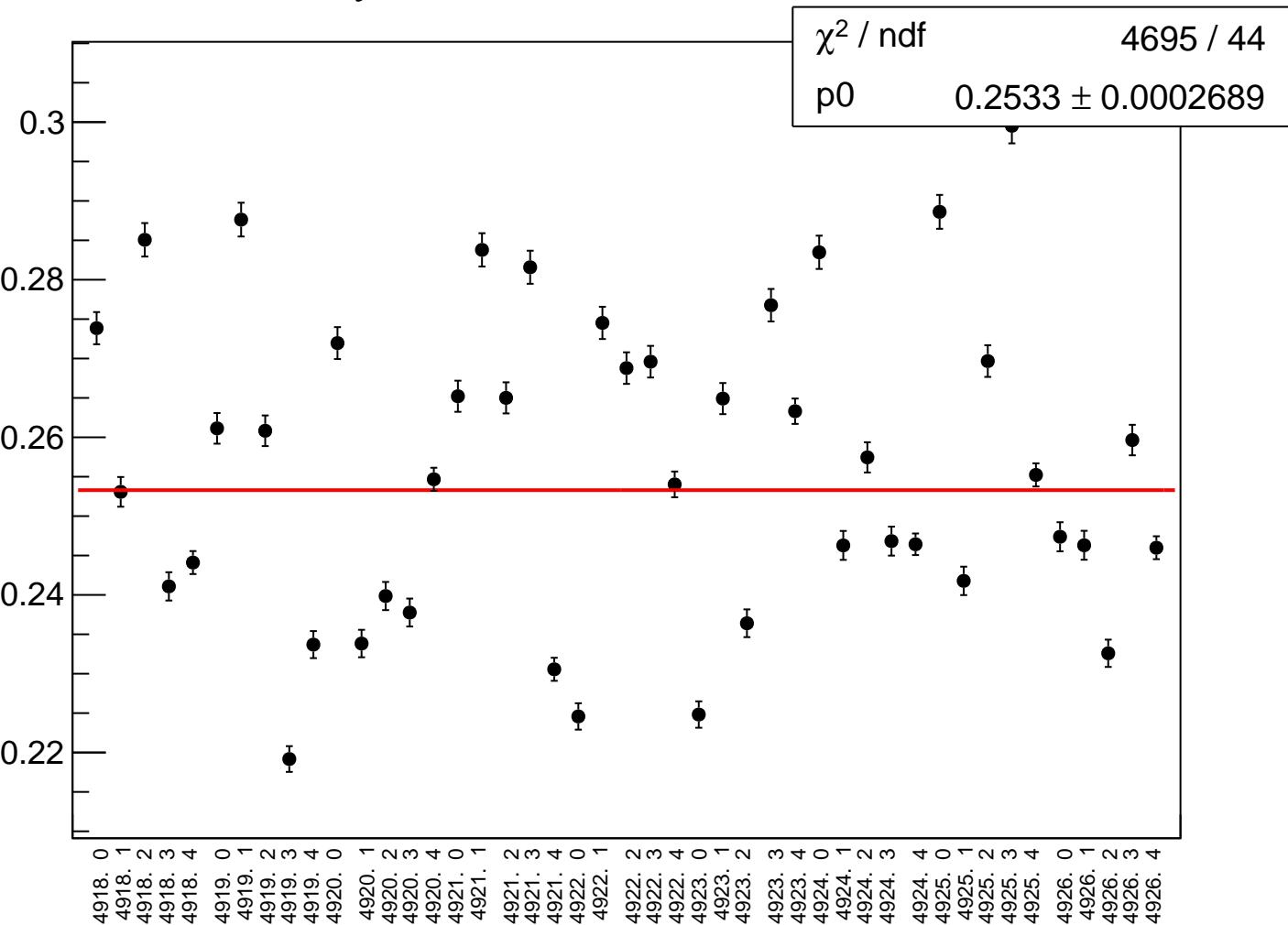
# yield\_cav4bQ\_rms vs run



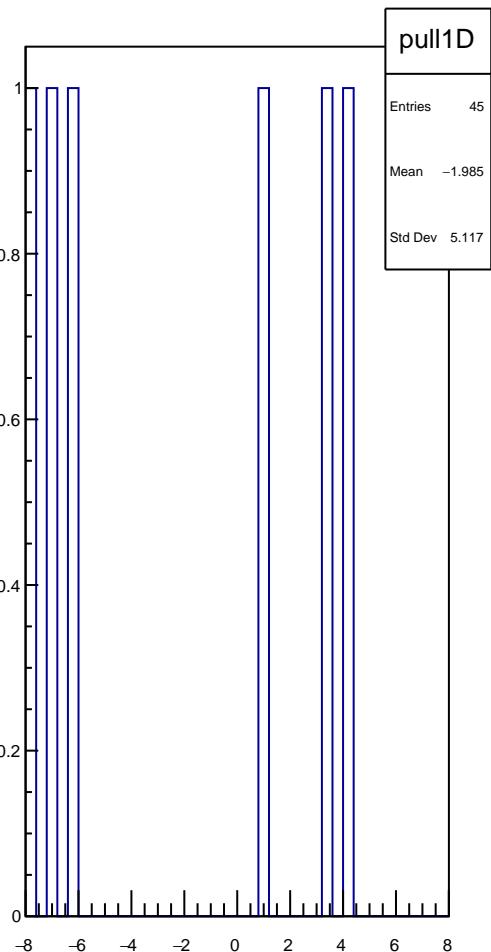
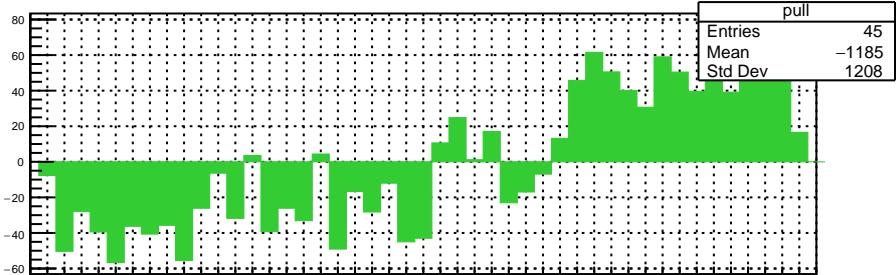
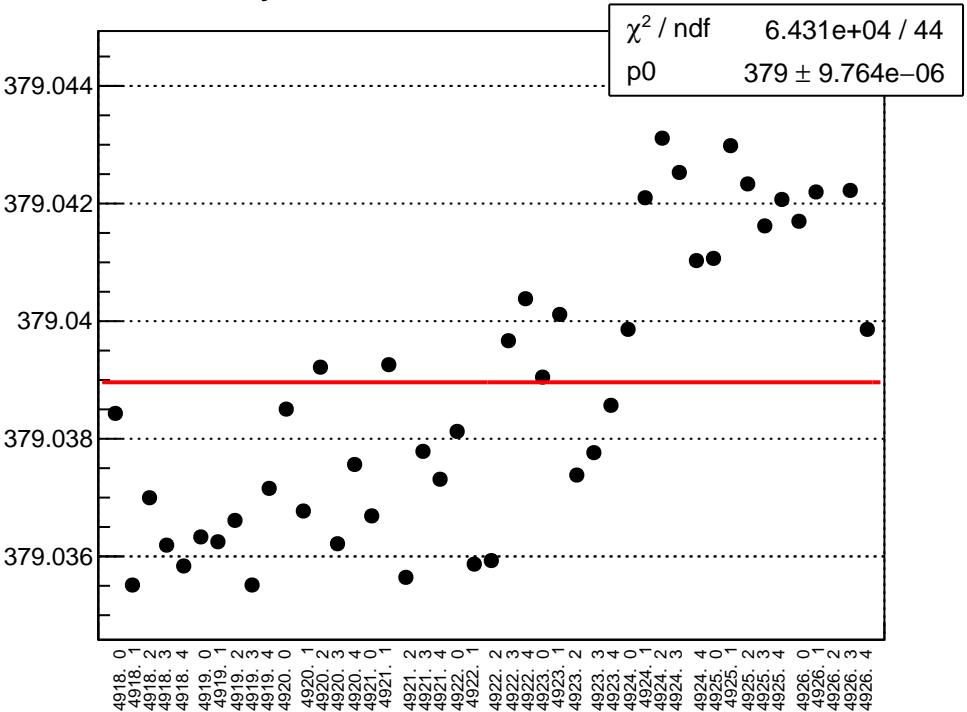
# yield\_cav4cQ\_mean vs run



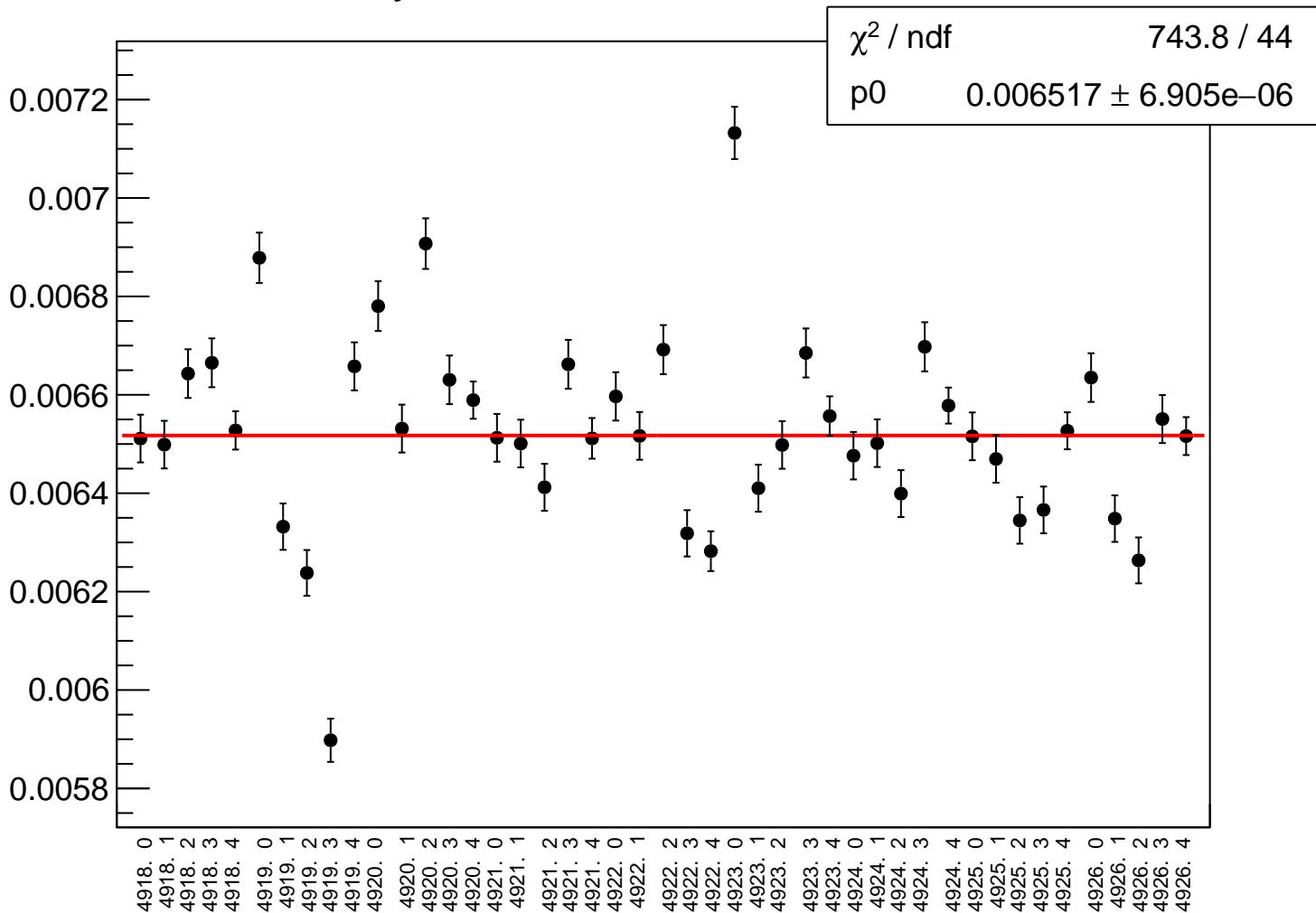
# yield\_cav4cQ\_rms vs run



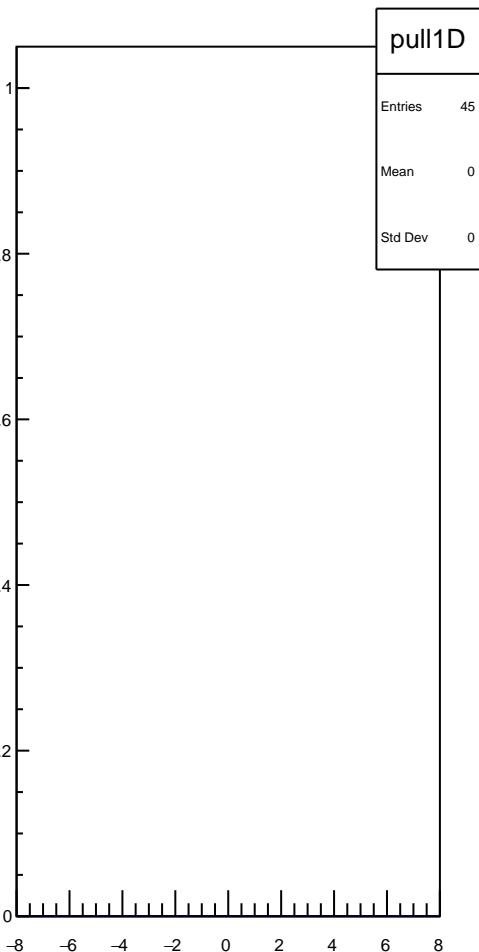
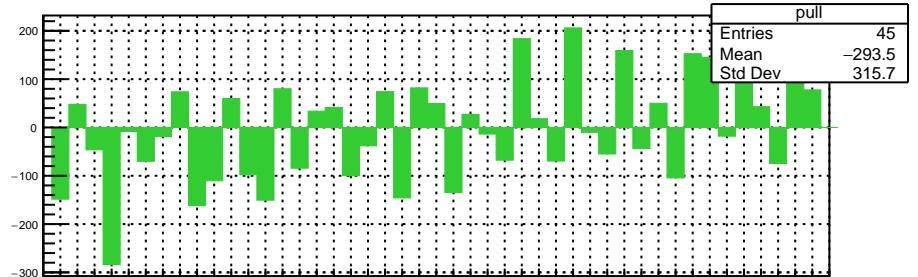
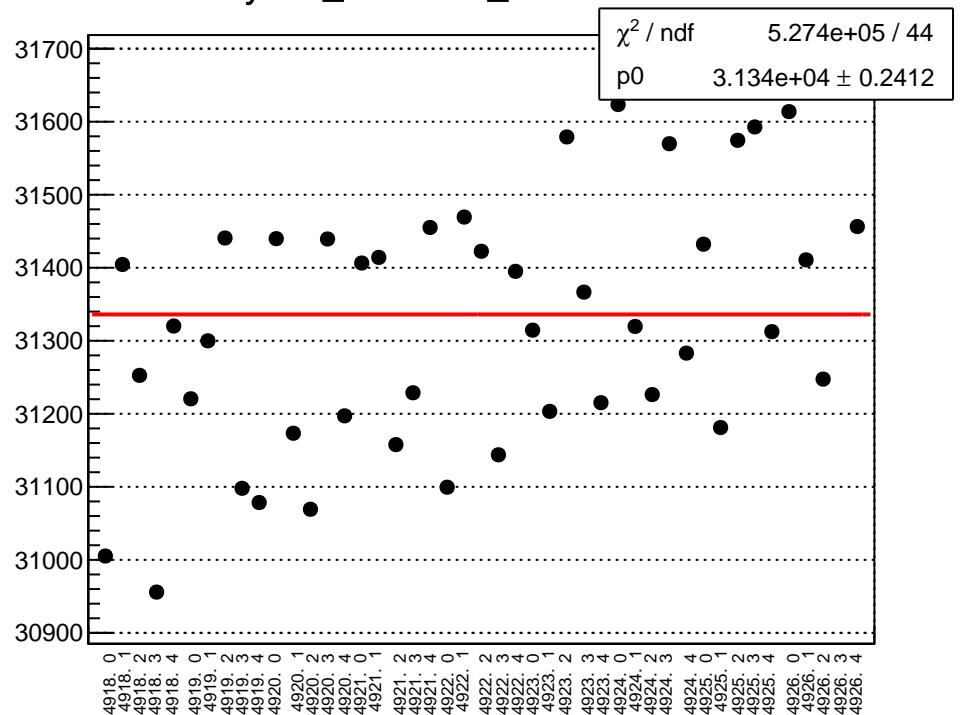
# yield\_cav4dQ\_mean vs run



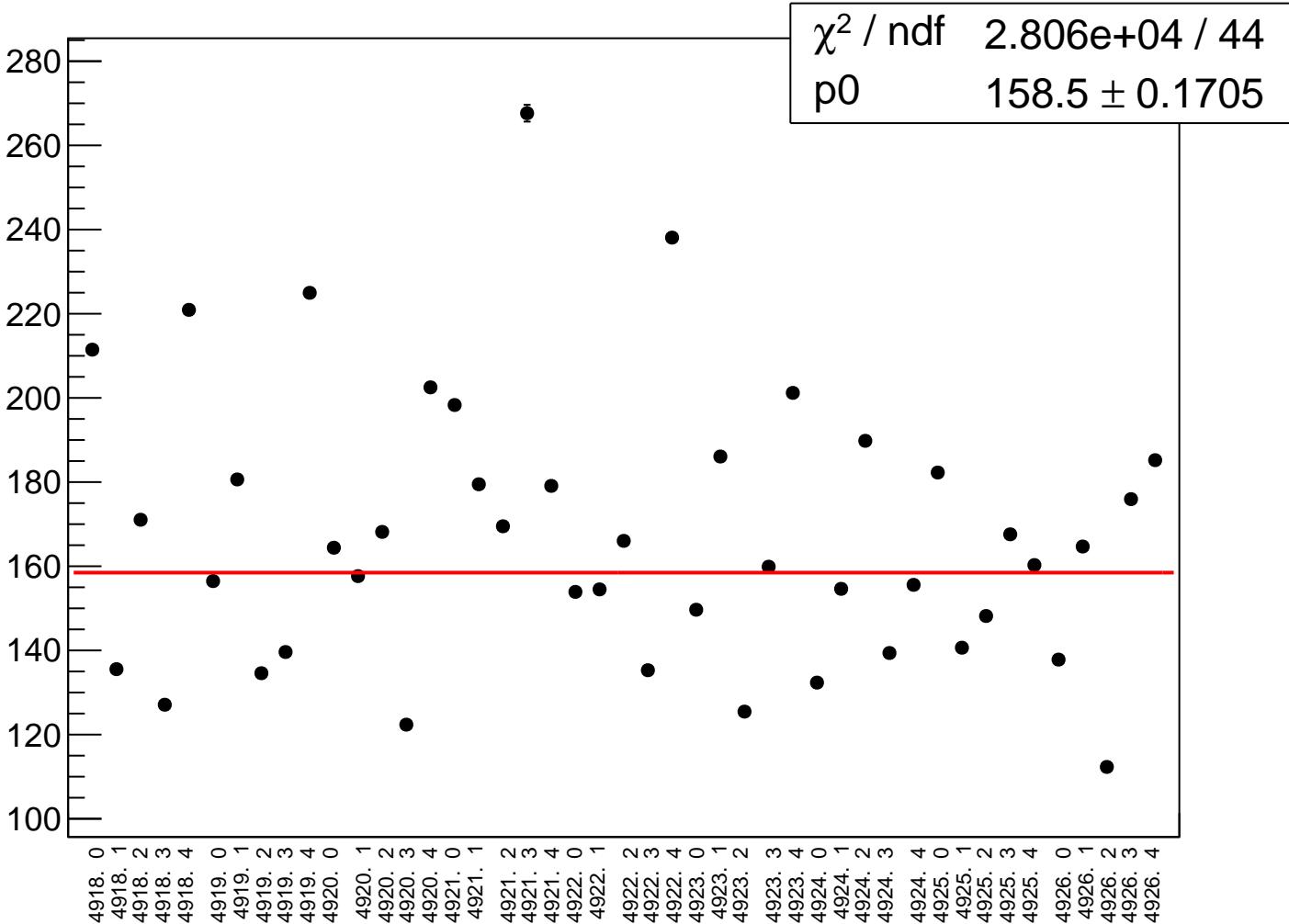
# yield\_cav4dQ\_rms vs run



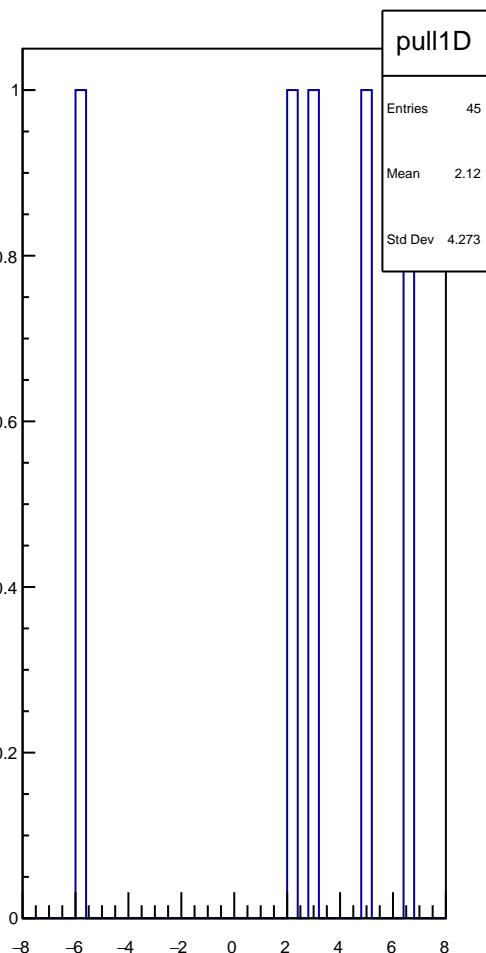
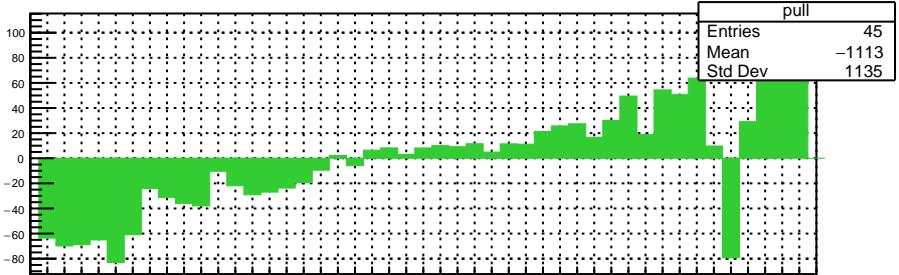
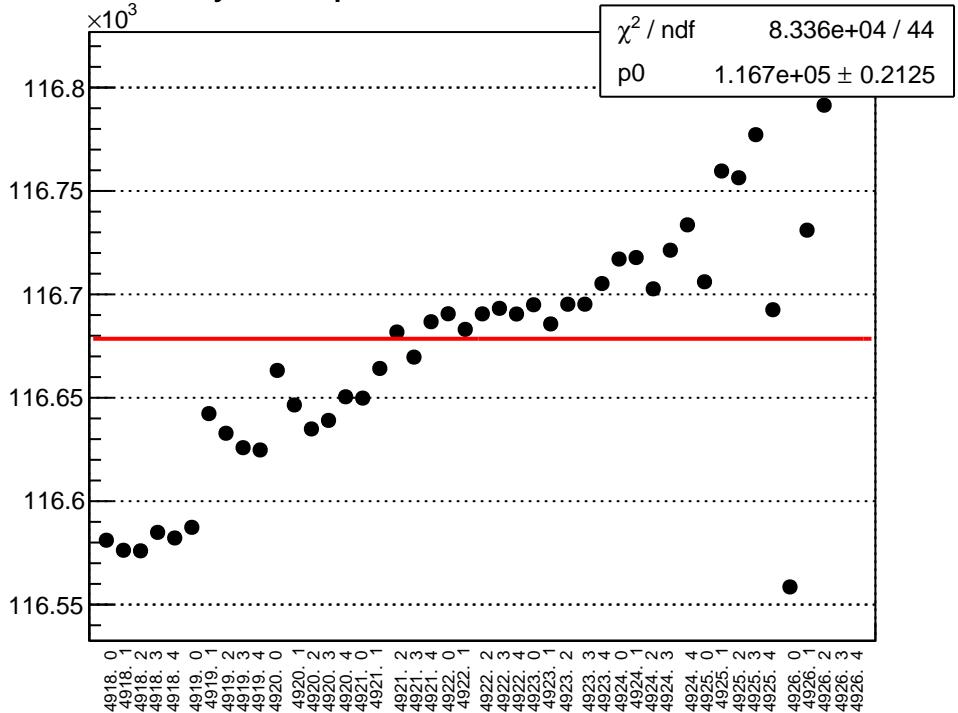
# yield\_bcm0l02\_mean vs run



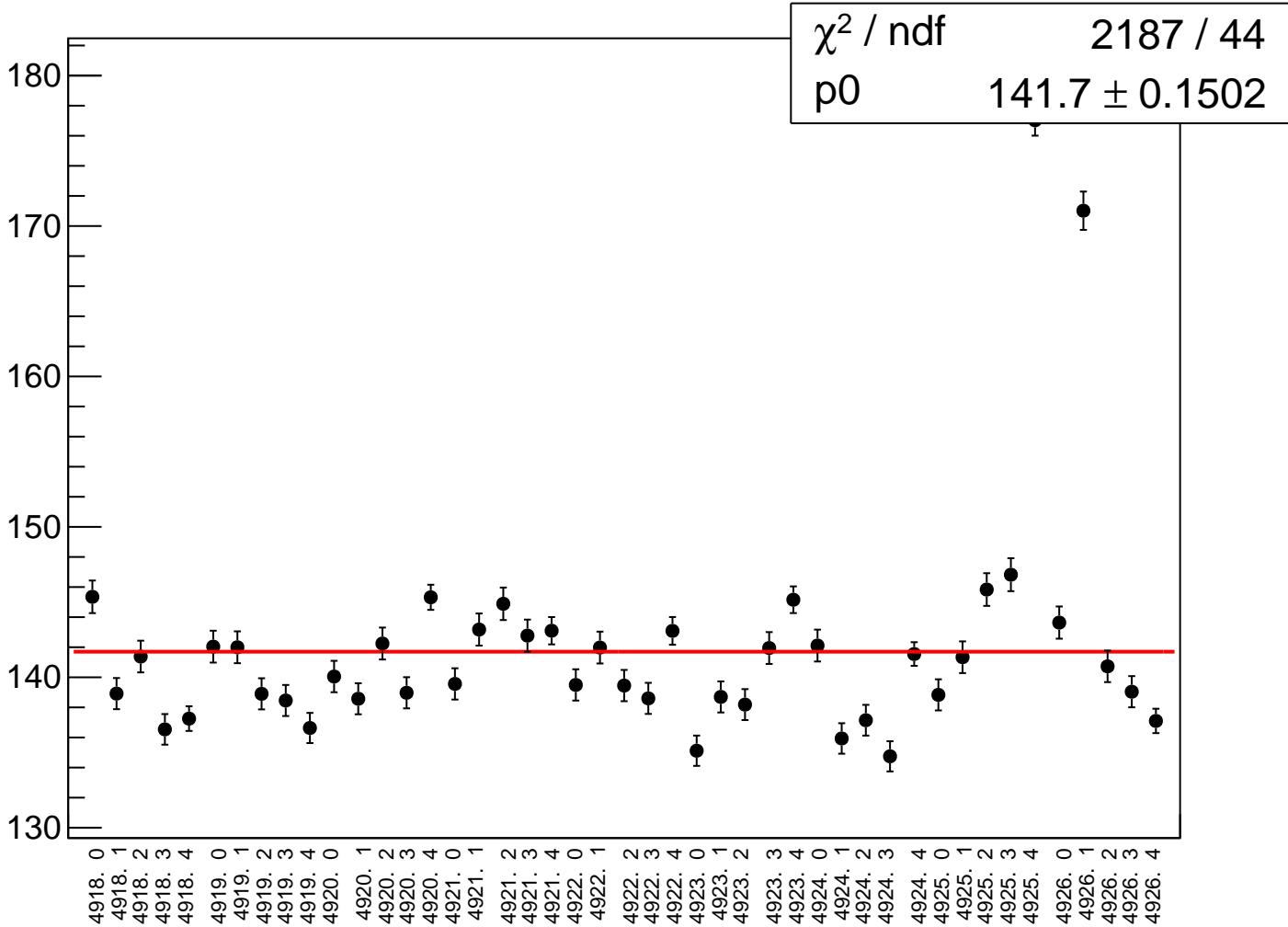
# yield\_bcm0l02\_rms vs run



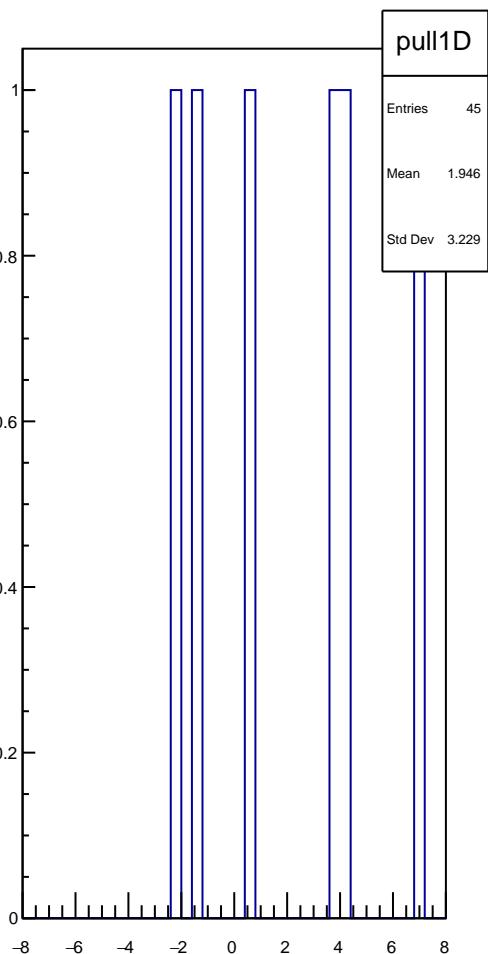
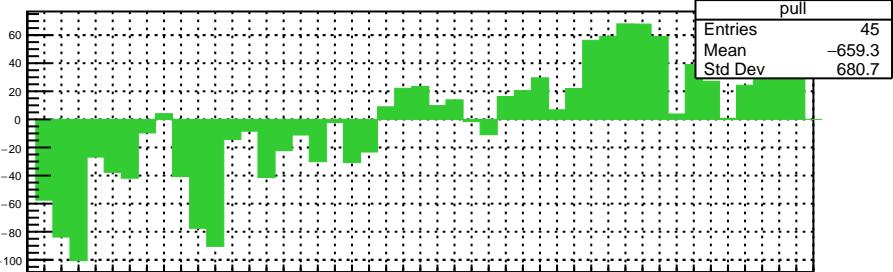
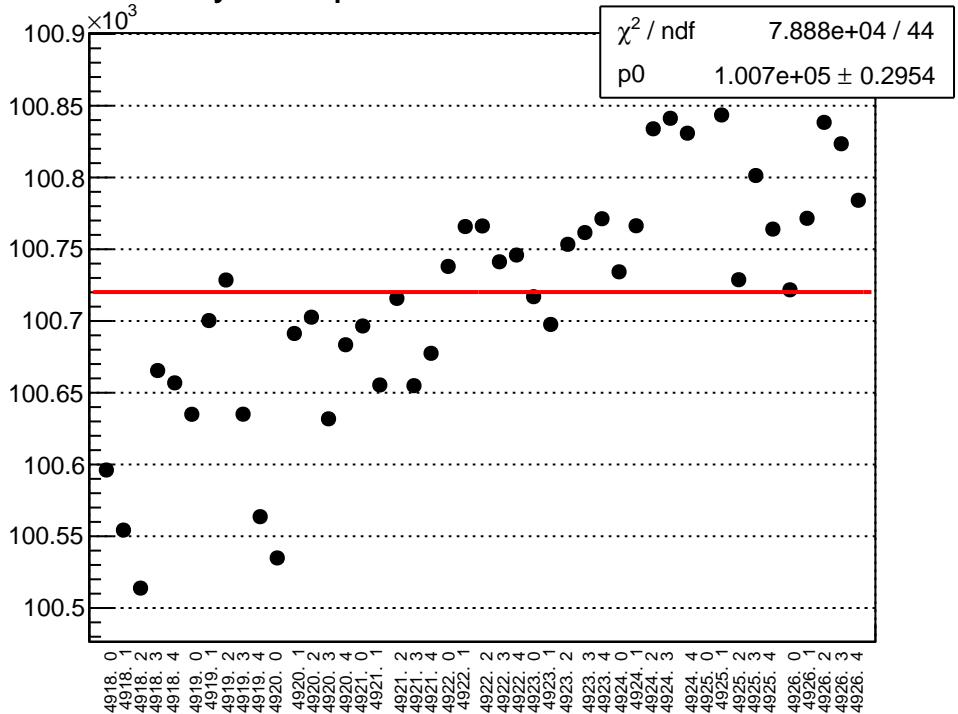
# yield\_bpm2i01WS\_mean vs run



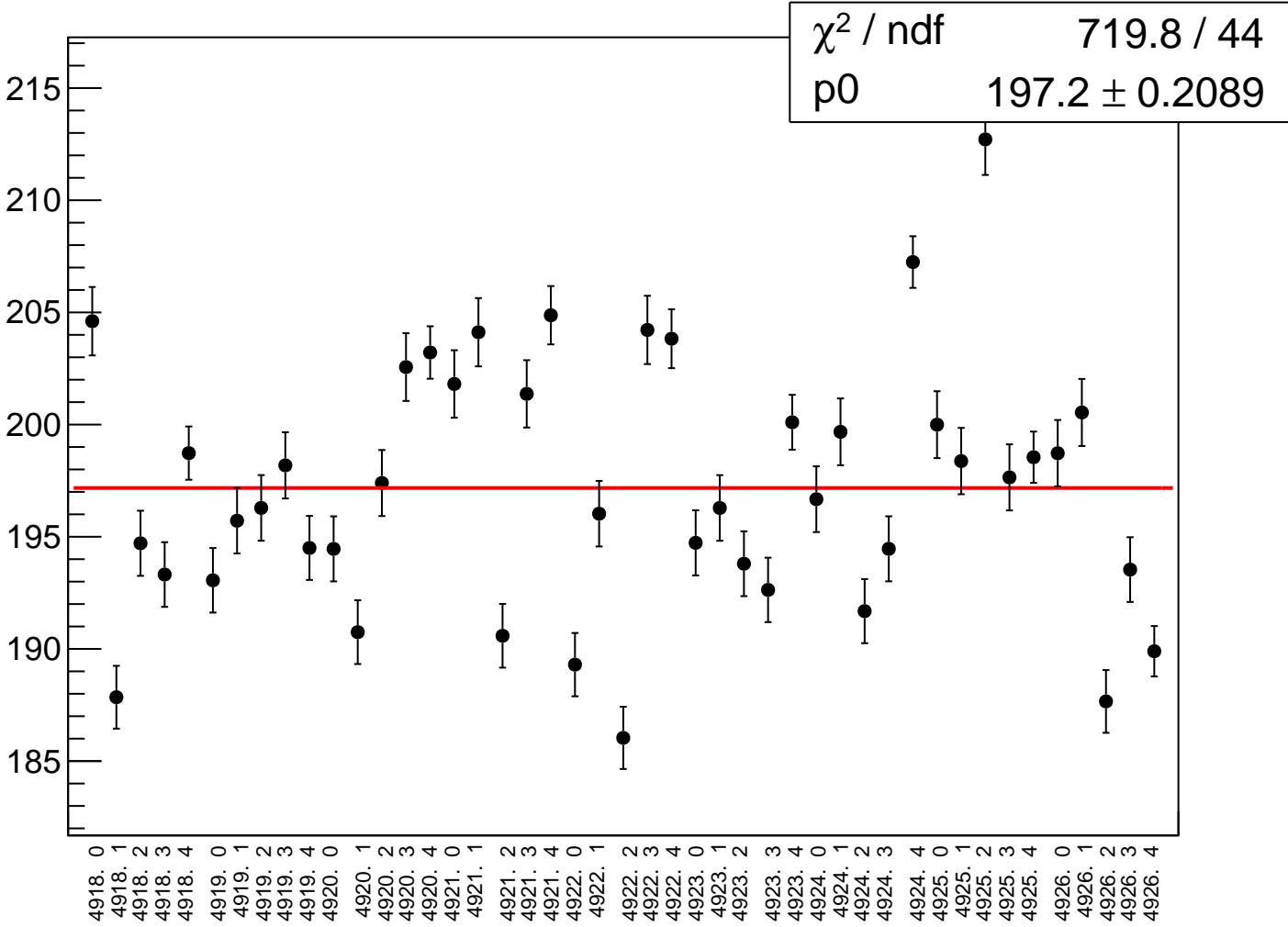
# yield\_bpm2i01WS\_rms vs run



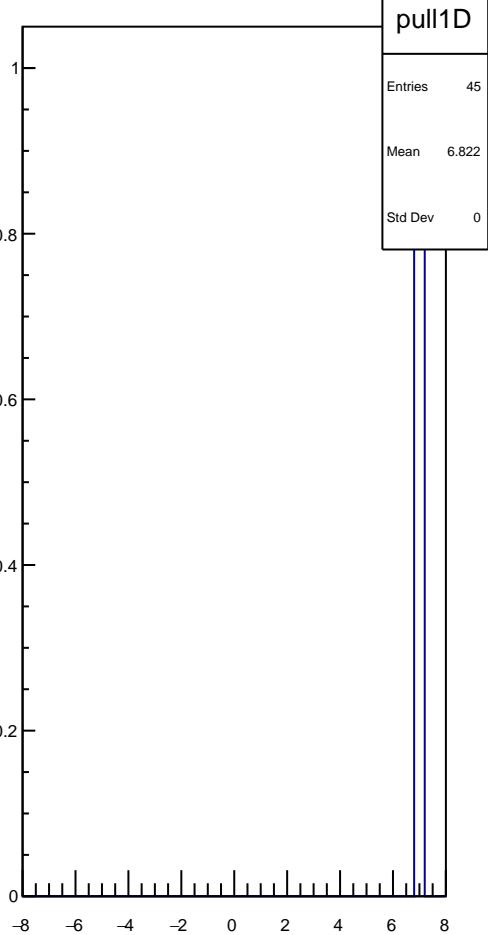
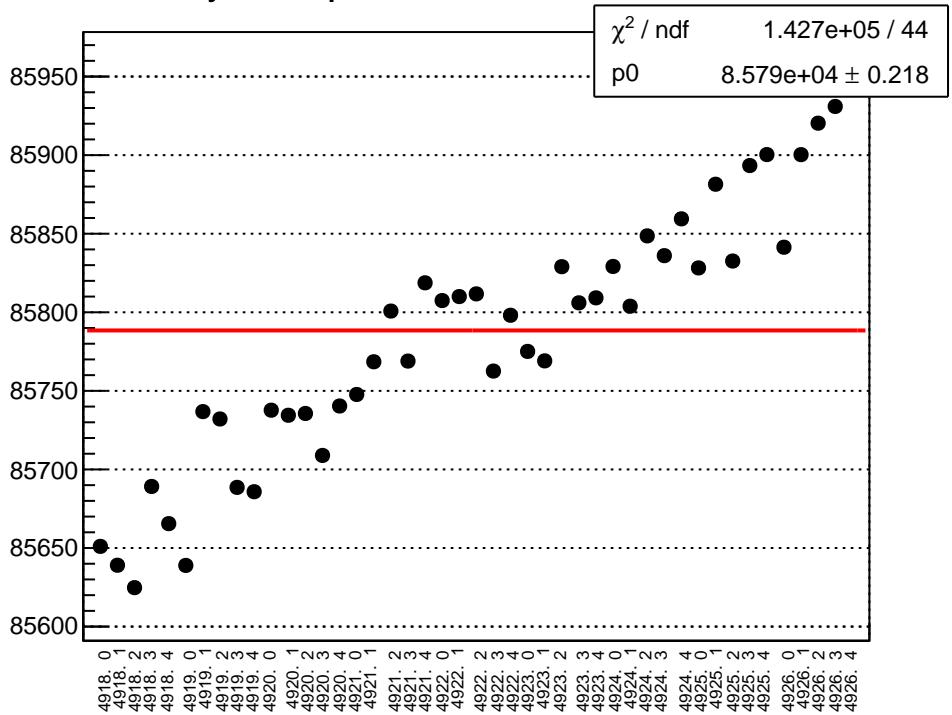
# yield\_bpm0i07WS\_mean vs run



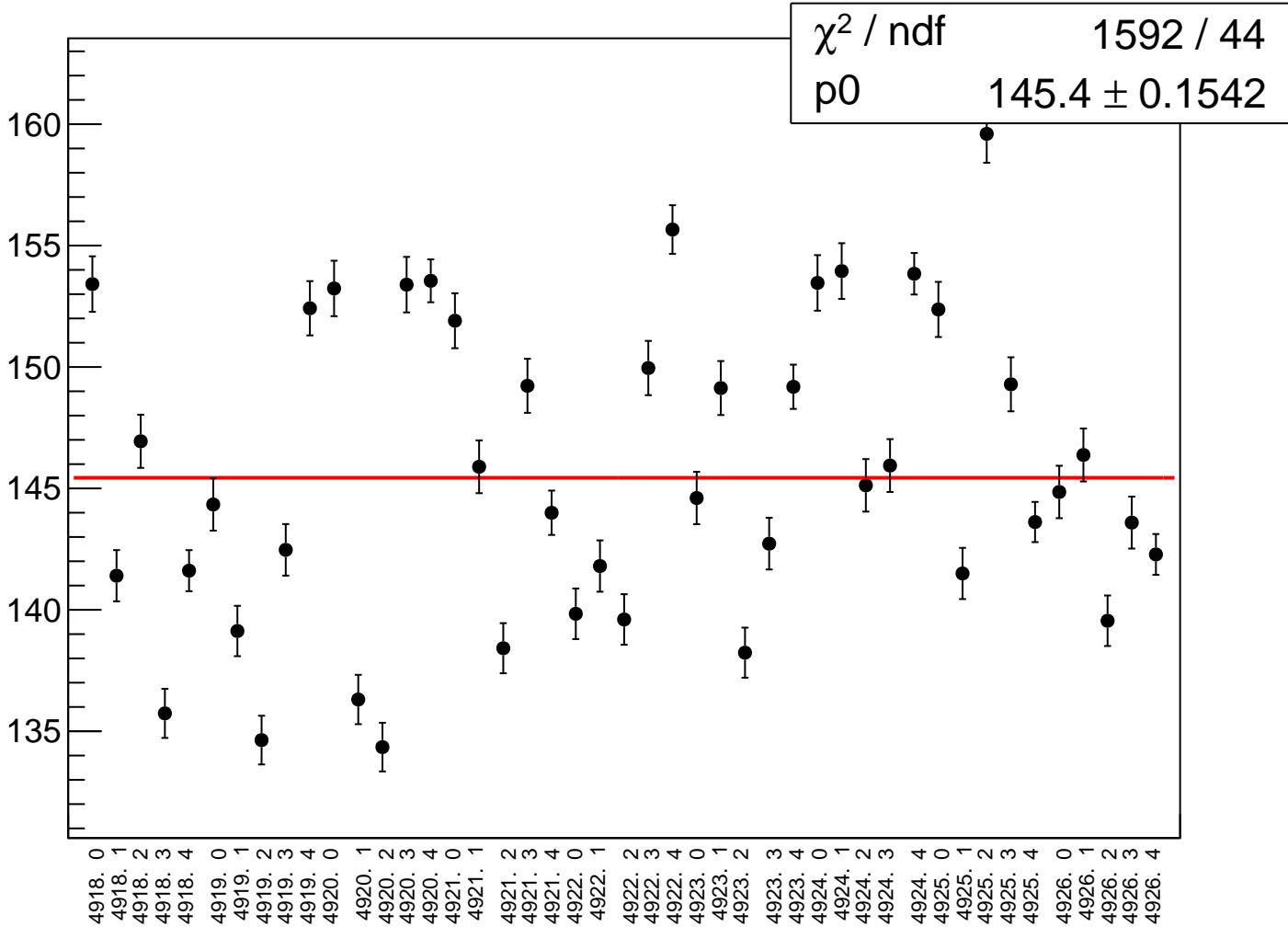
# yield\_bpm0i07WS\_rms vs run



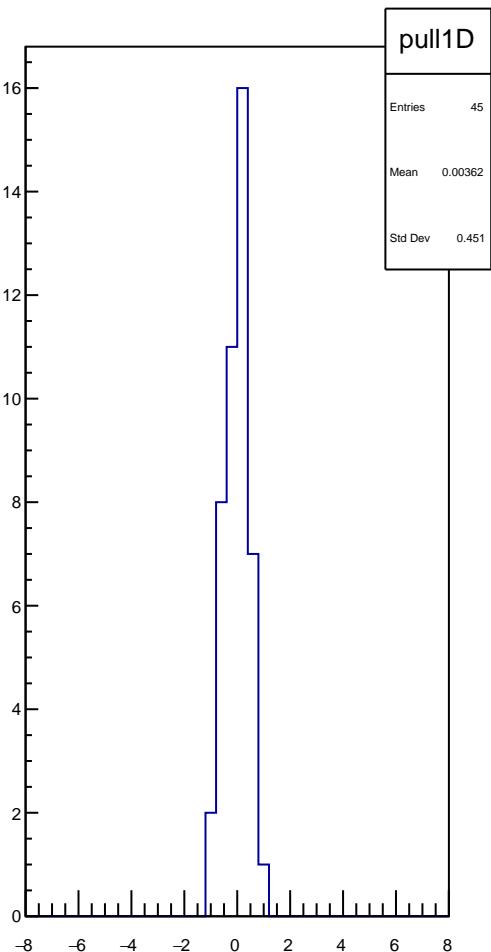
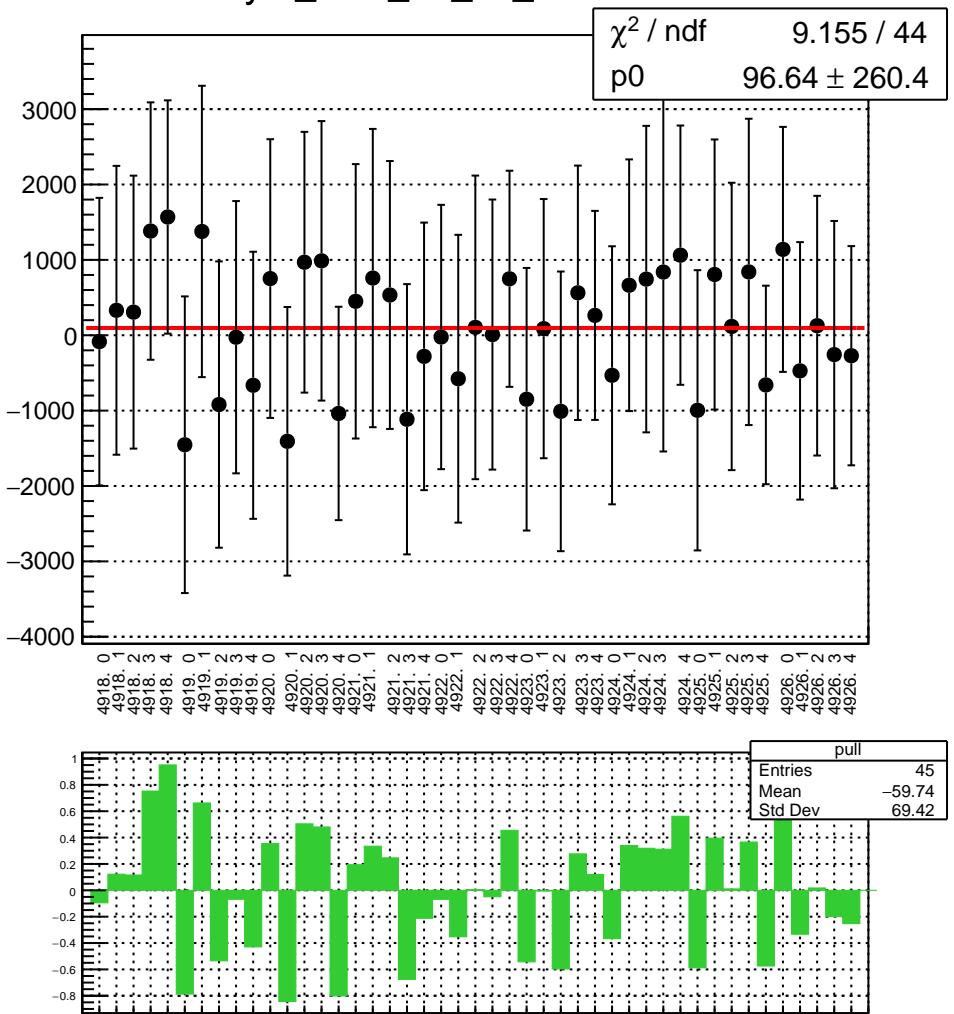
# yield\_bpm0l01WS\_mean vs run



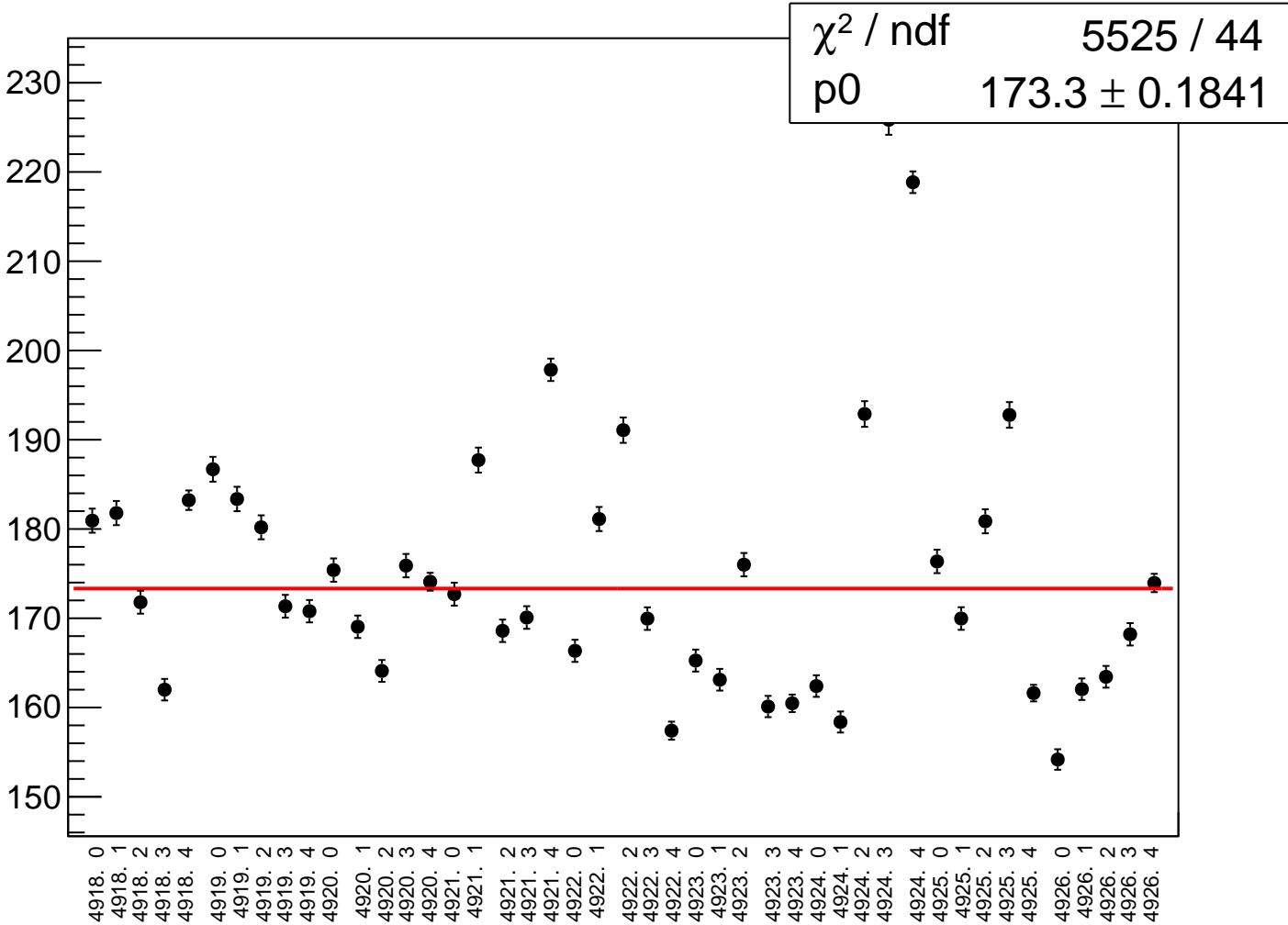
# yield\_bpm0l01WS\_rms vs run



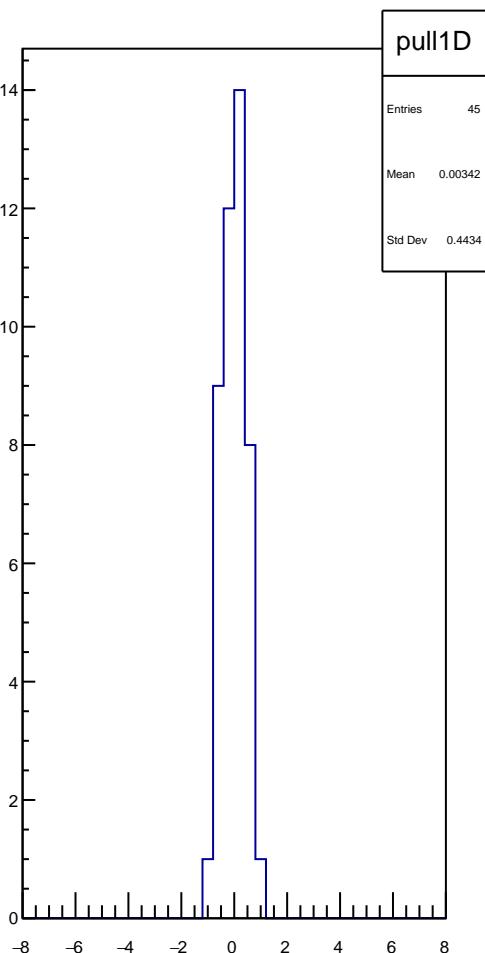
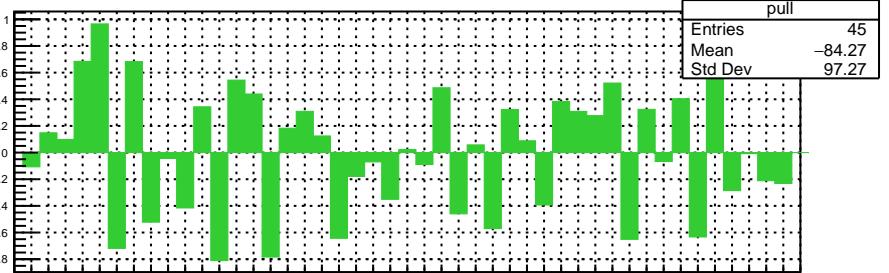
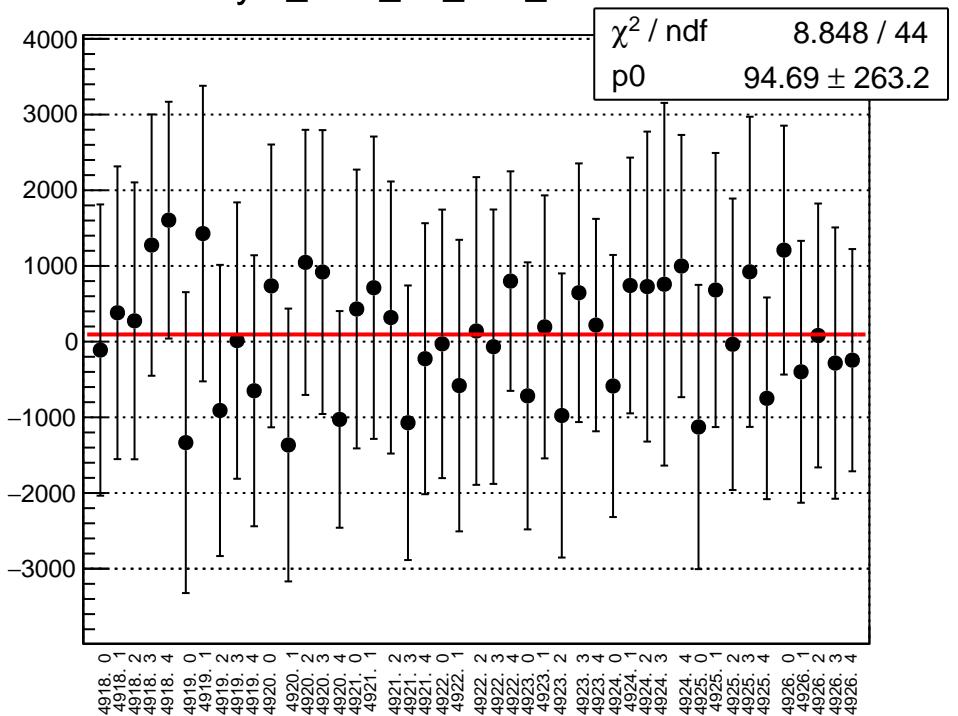
# asym\_bcm\_an\_ds\_mean vs run



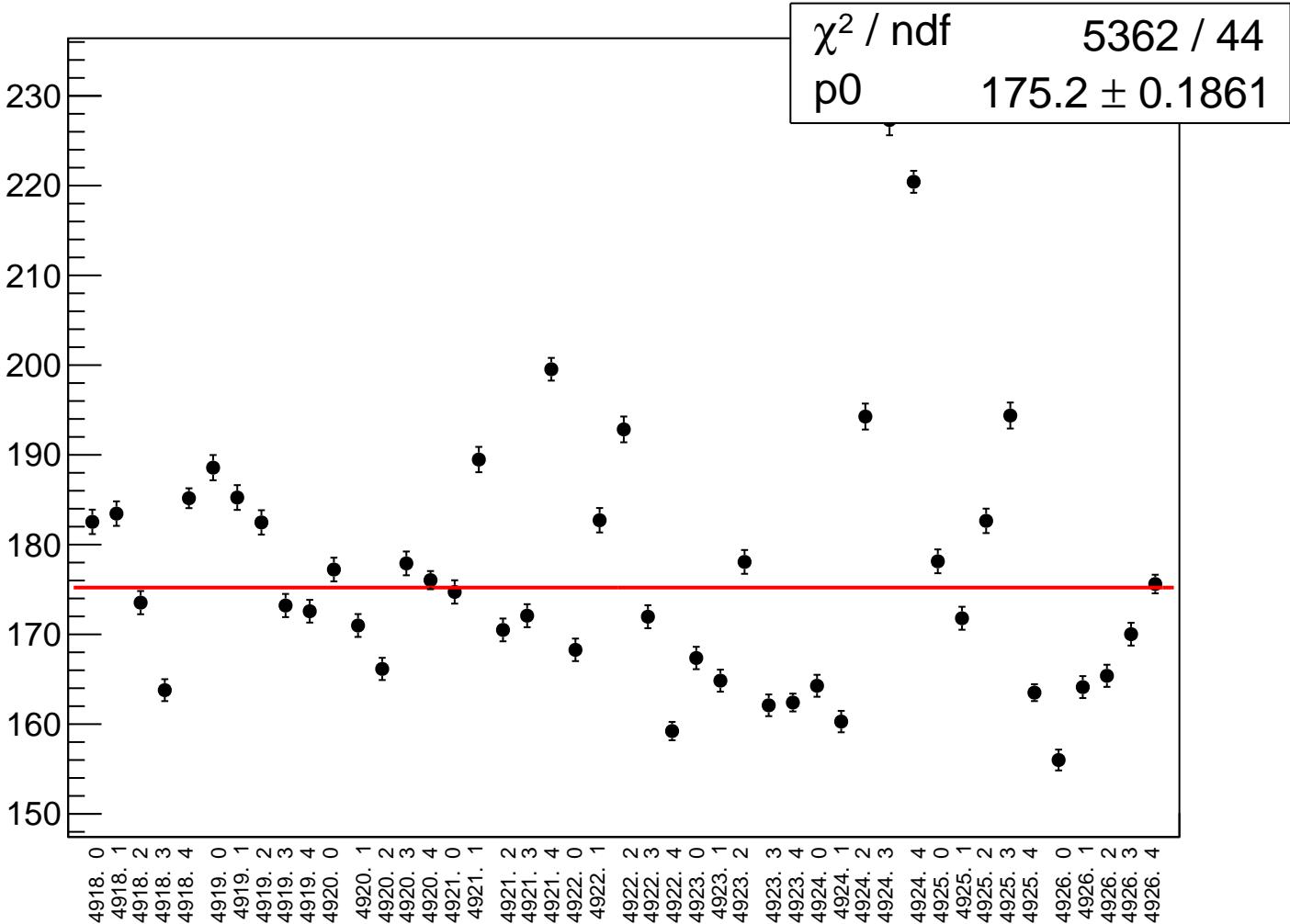
# asym\_bcm\_an\_ds\_rms vs run



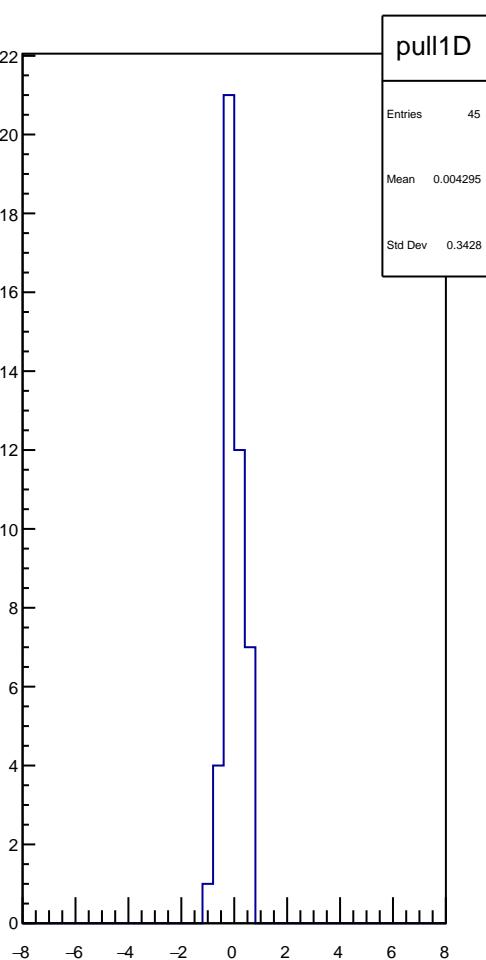
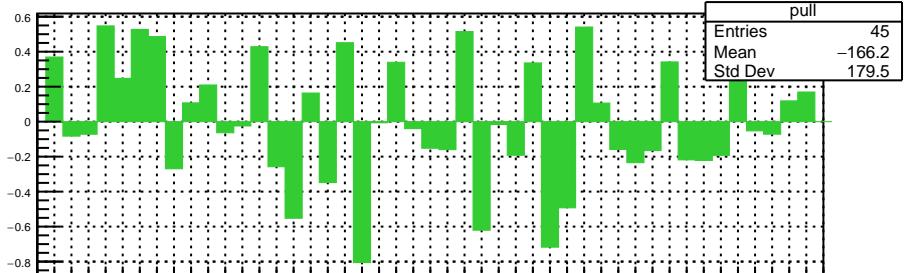
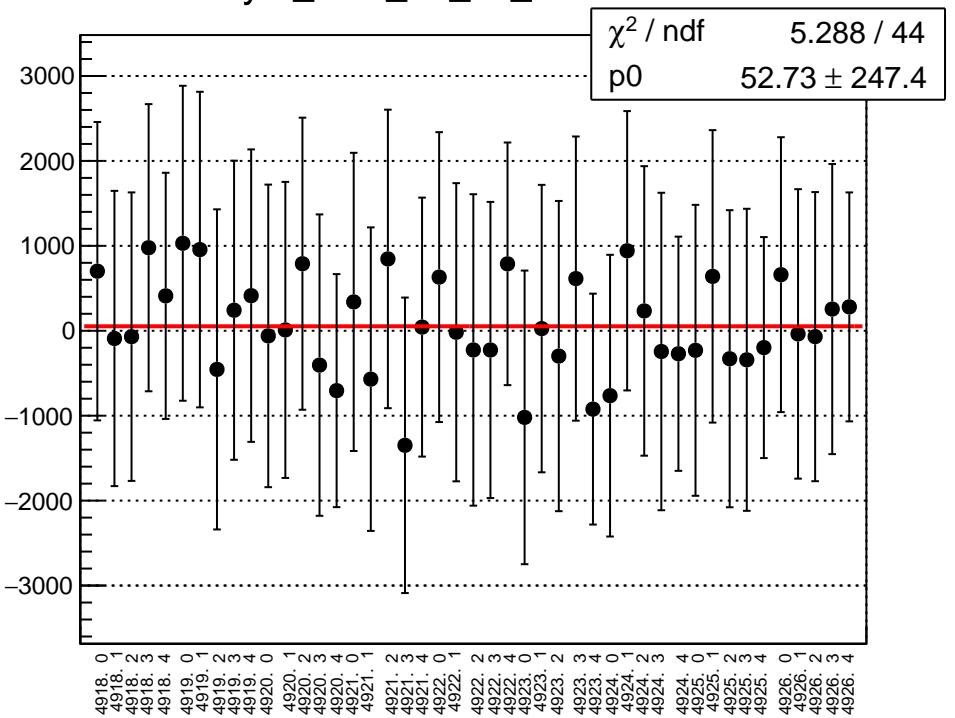
# asym\_bcm\_an\_ds3\_mean vs run



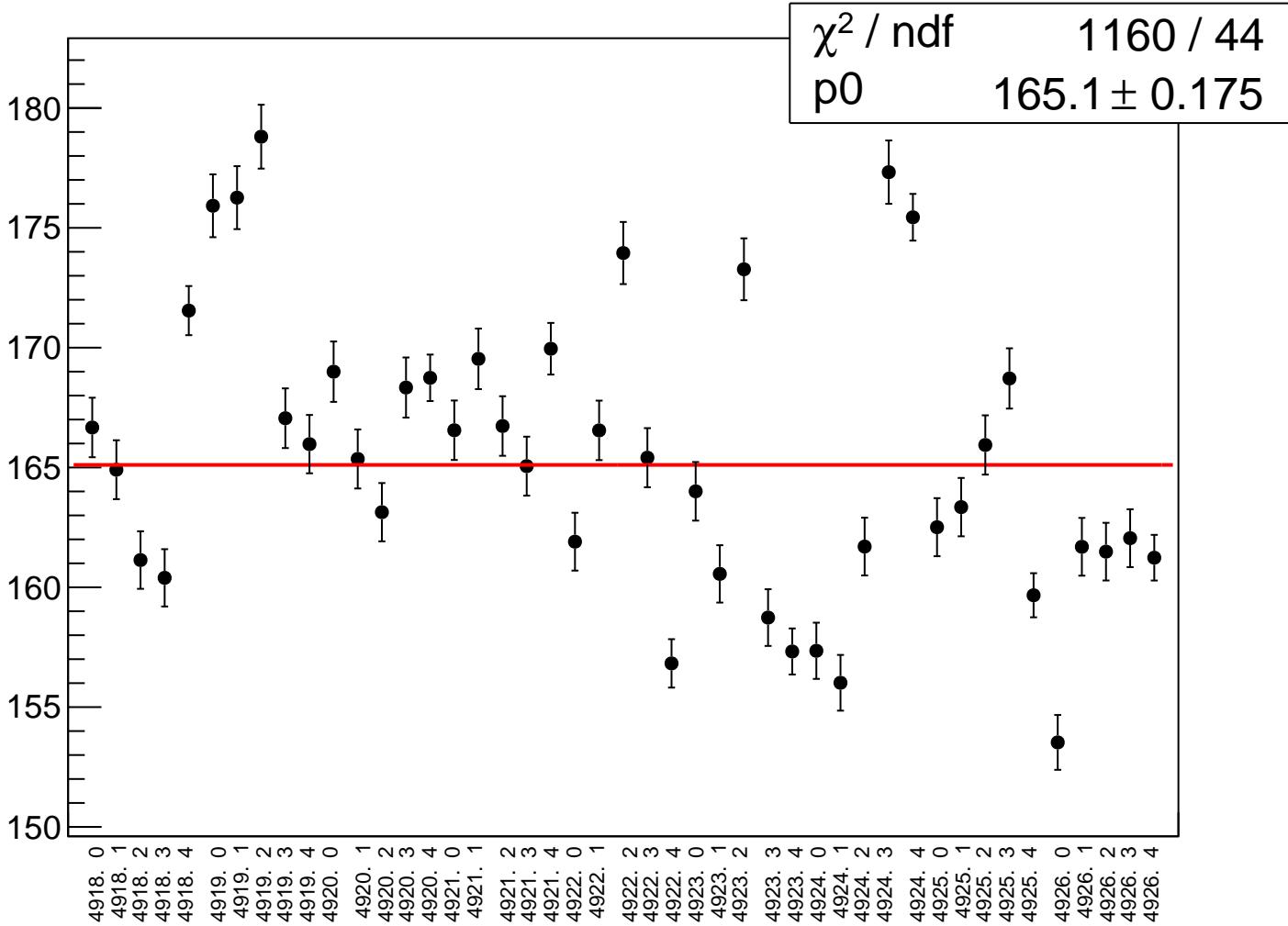
# asym\_bcm\_an\_ds3\_rms vs run



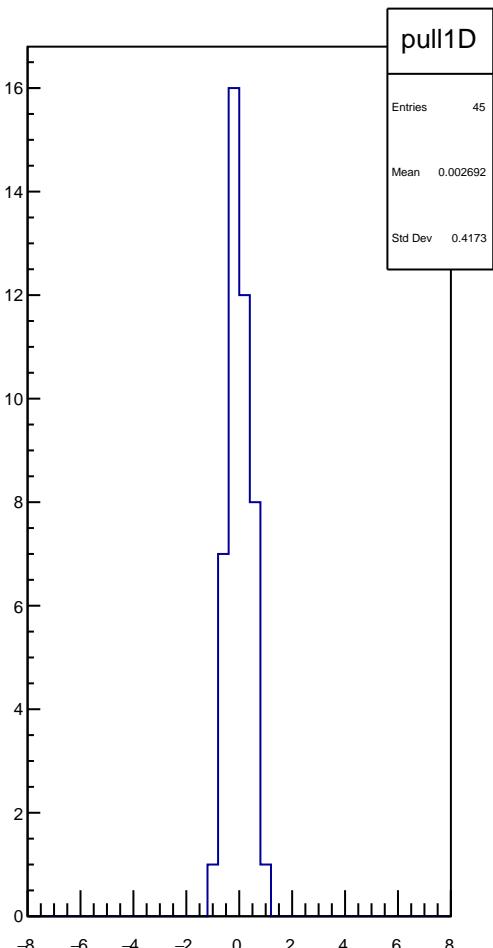
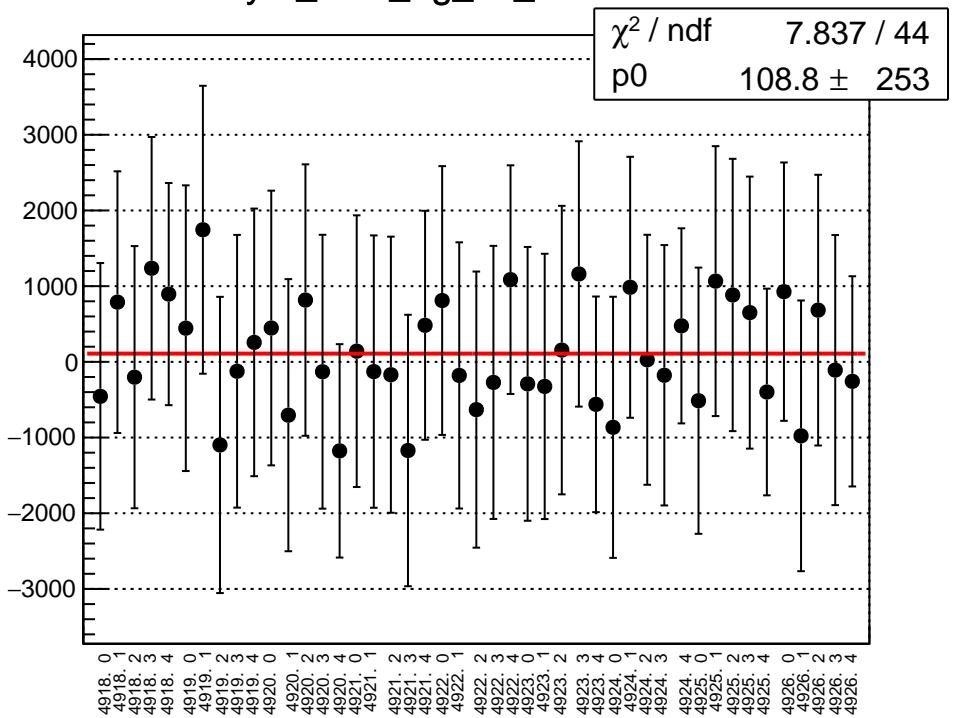
# asym\_bcm\_an\_us\_mean vs run



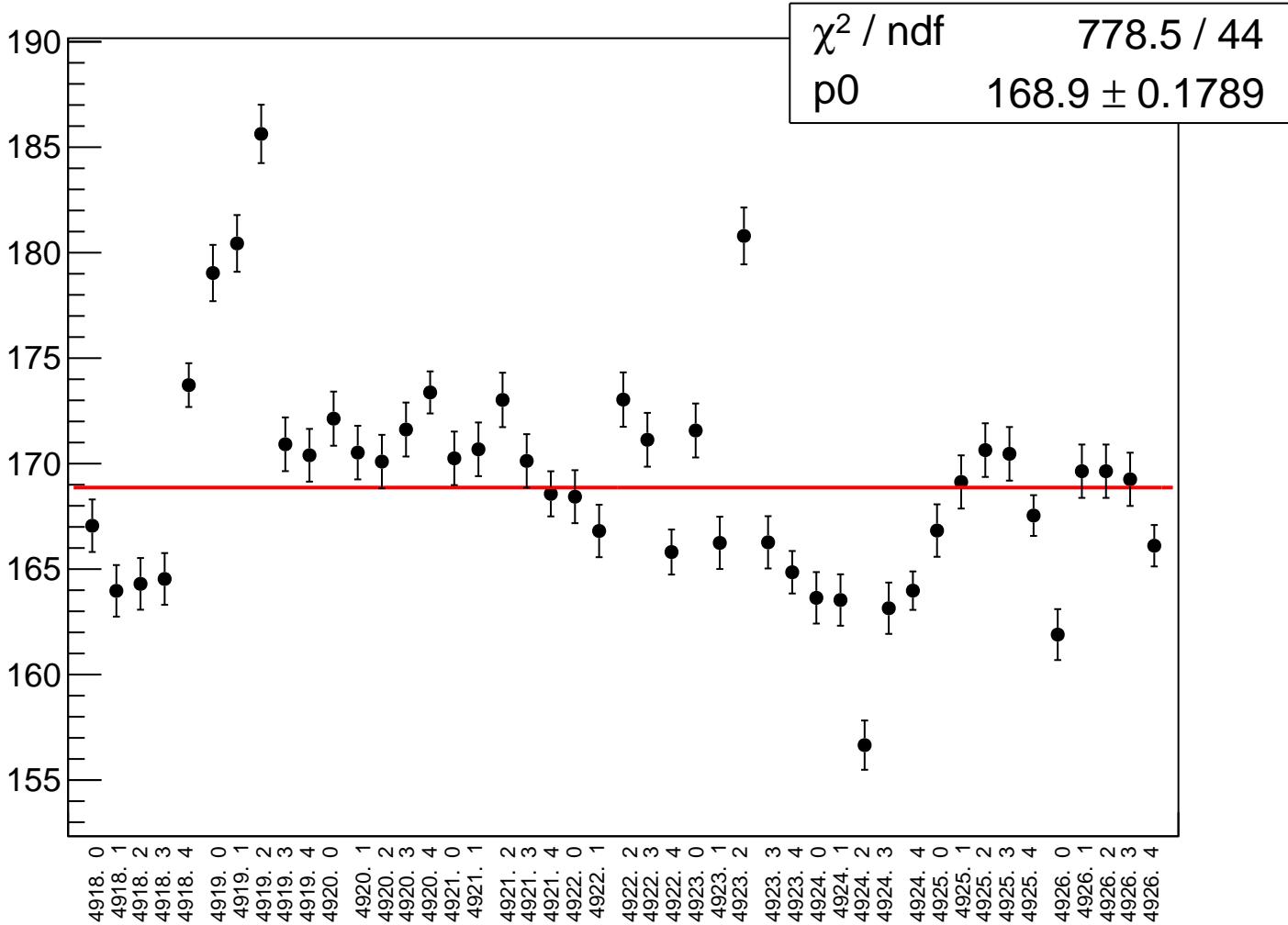
# asym\_bcm\_an\_us\_rms vs run



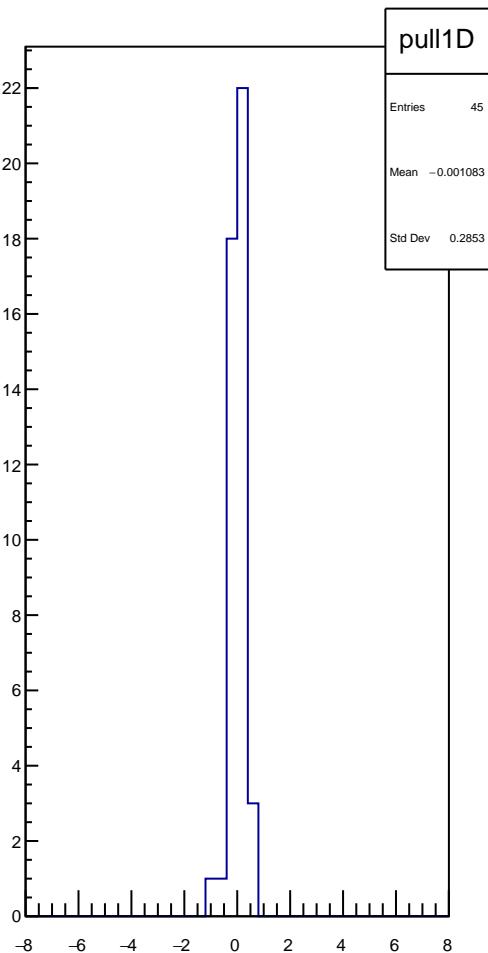
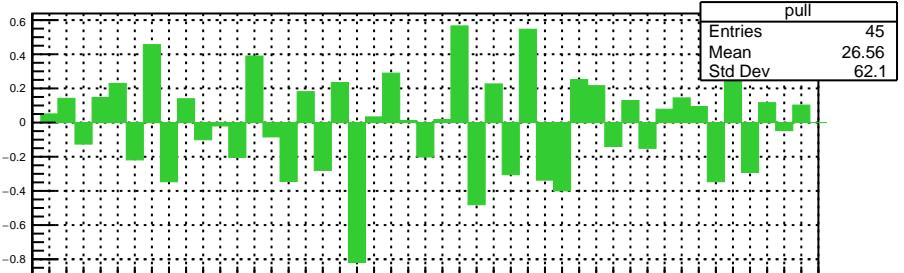
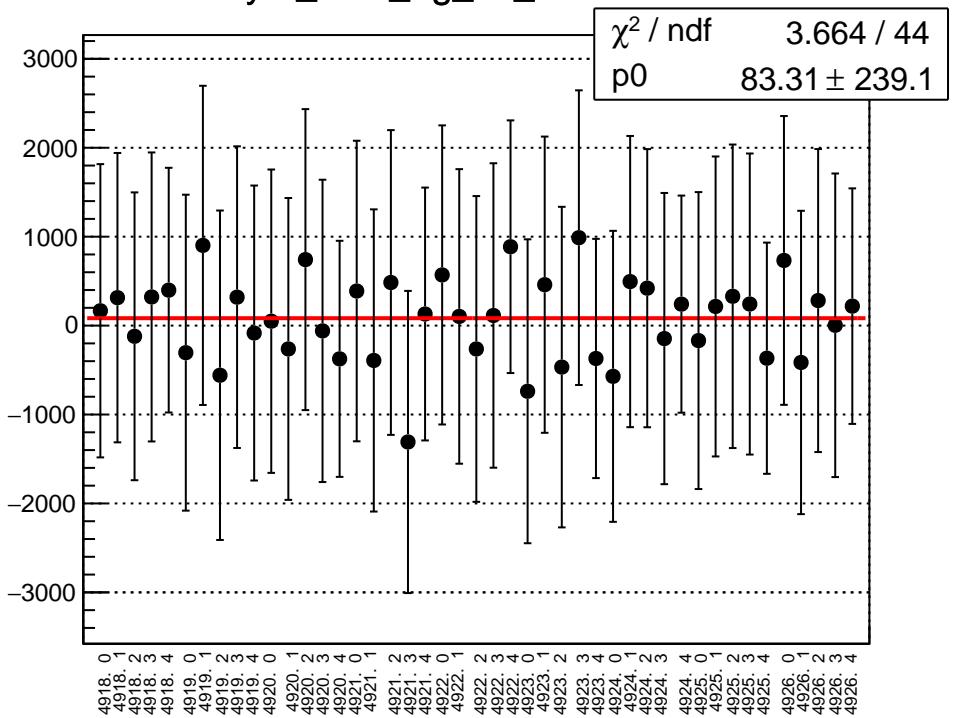
# asym\_bcm\_dg\_us\_mean vs run



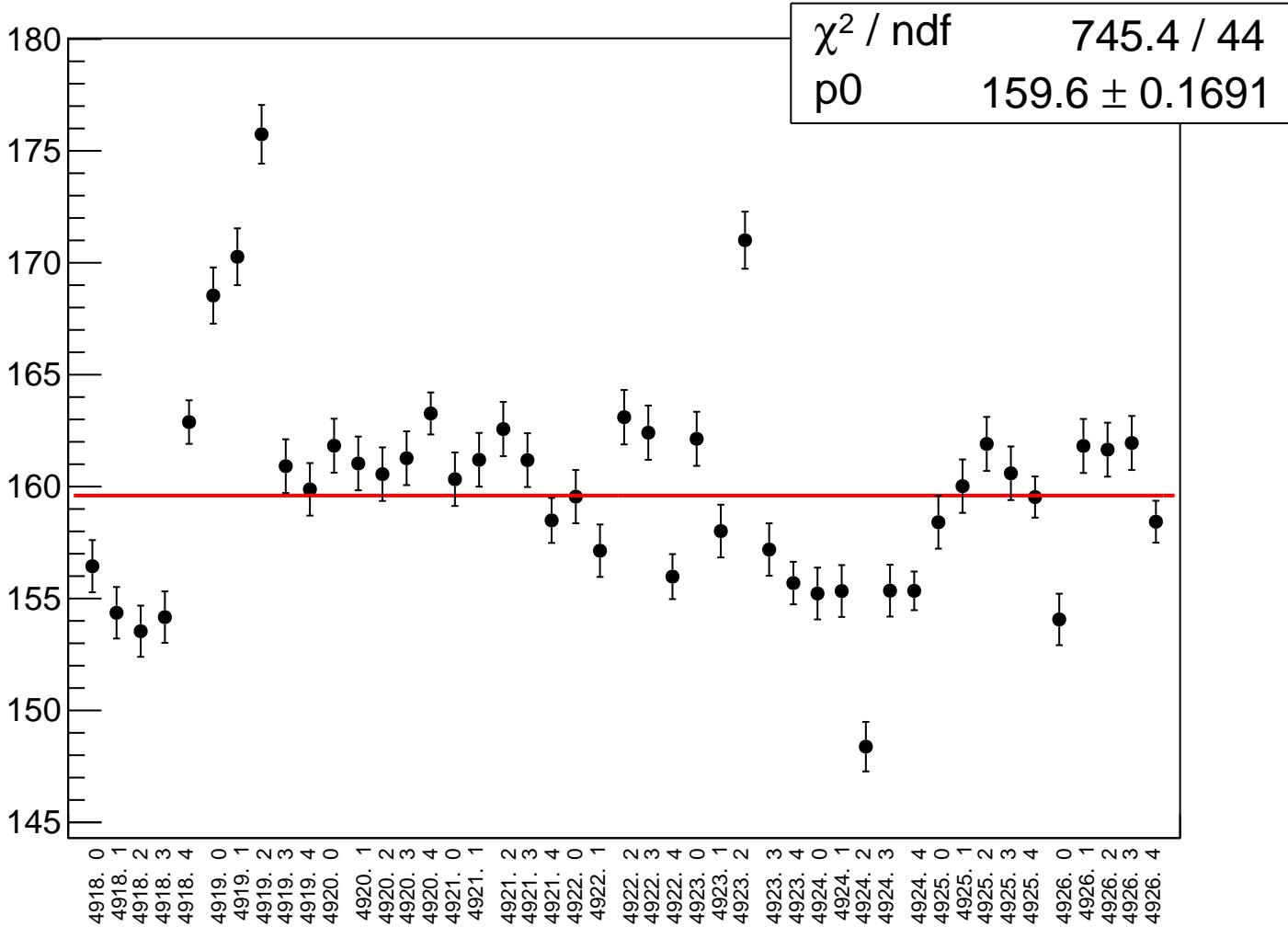
# asym\_bcm\_dg\_us\_rms vs run



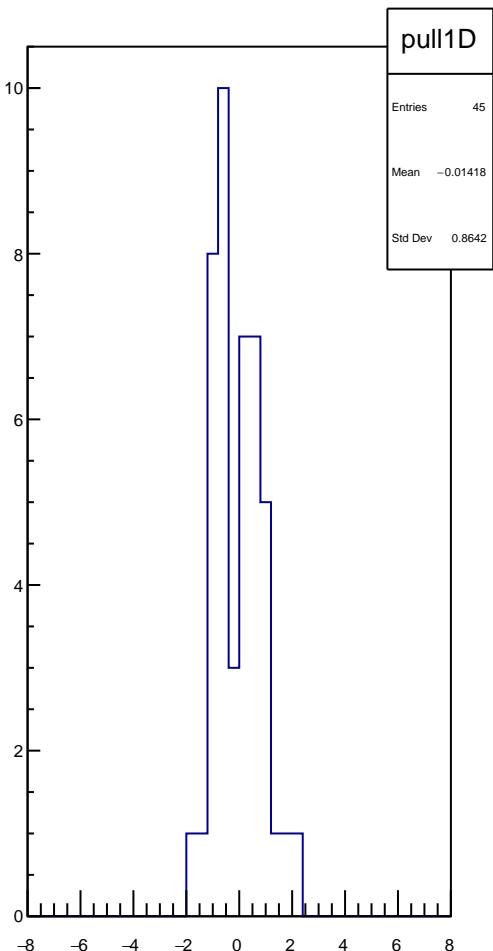
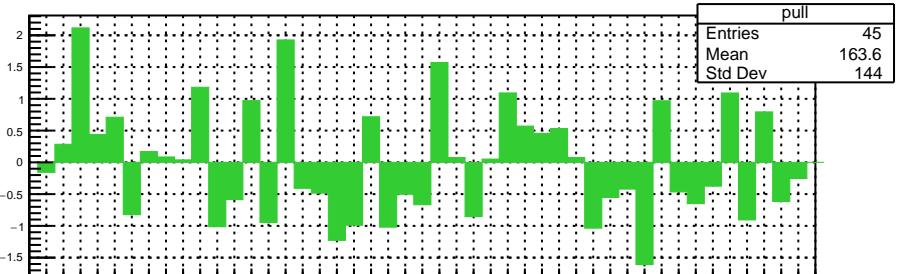
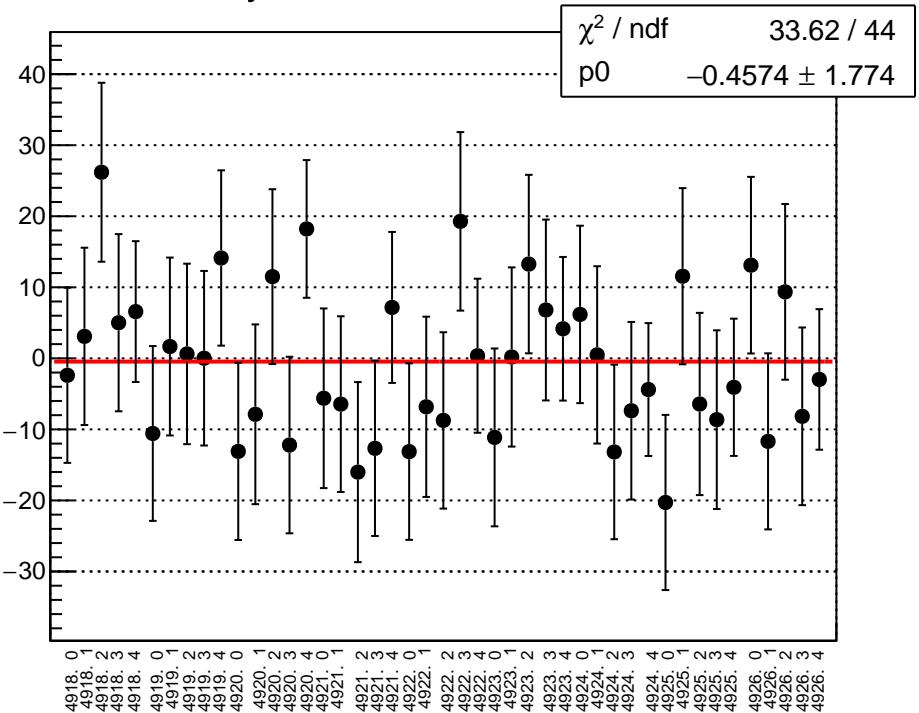
# asym\_bcm\_dg\_ds\_mean vs run



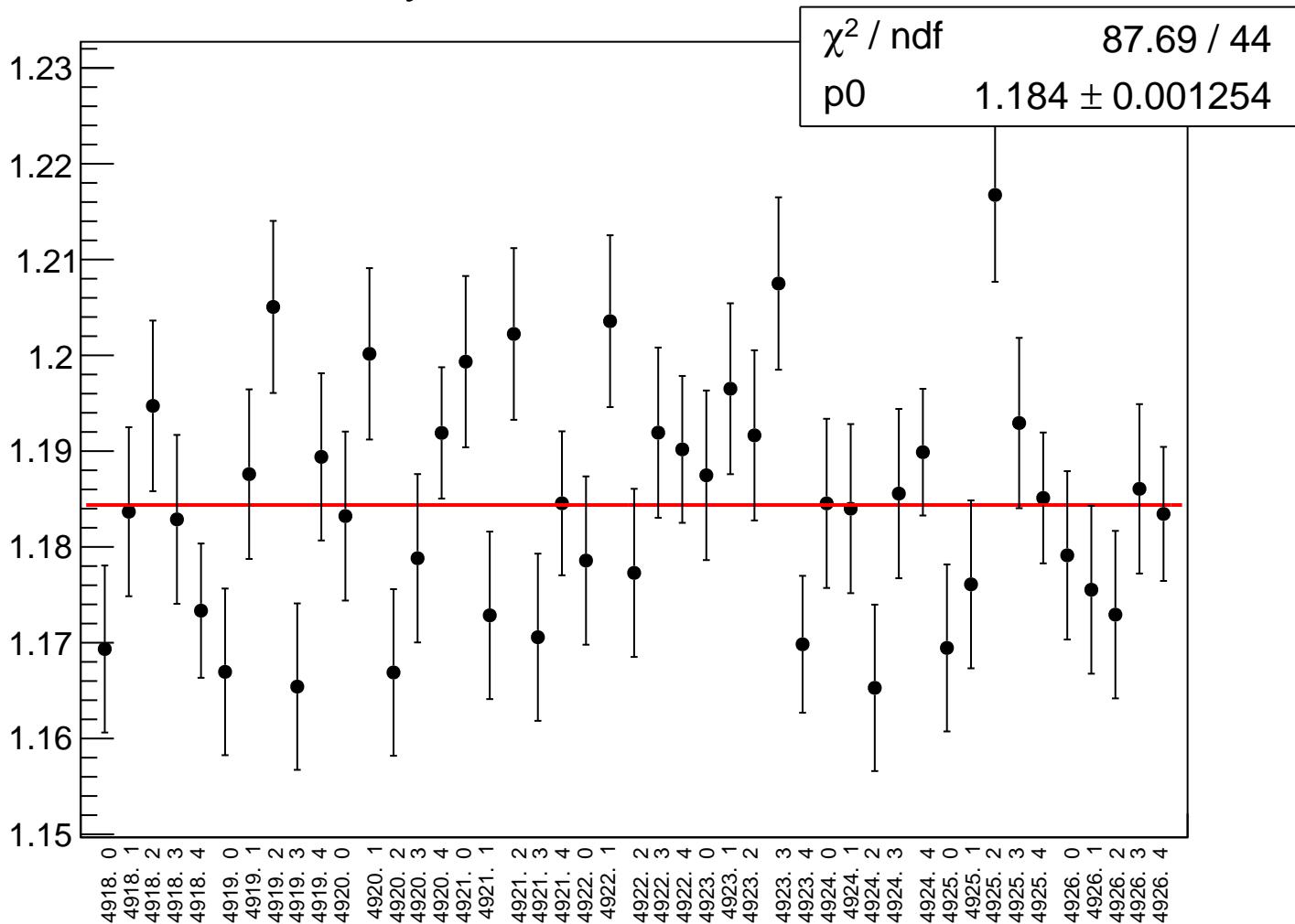
# asym\_bcm\_dg\_ds\_rms vs run



# asym\_cav4bQ\_mean vs run



# asym\_cav4bQ\_rms vs run

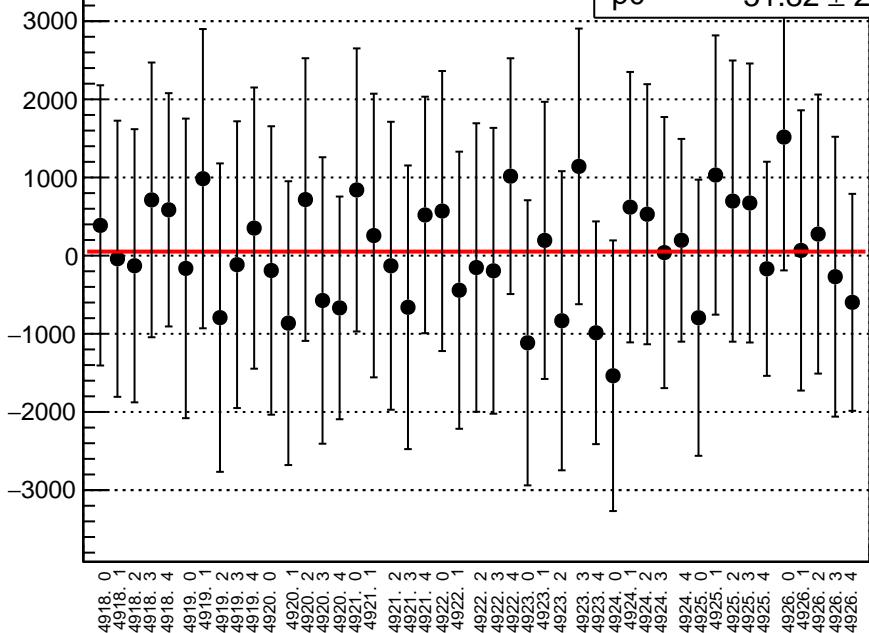


# asym\_cav4cQ\_mean vs run

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

7.029 / 44

p0  $51.82 \pm 254.9$

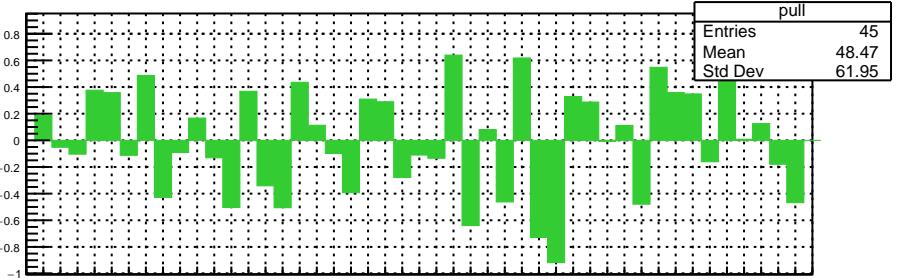


pull1D

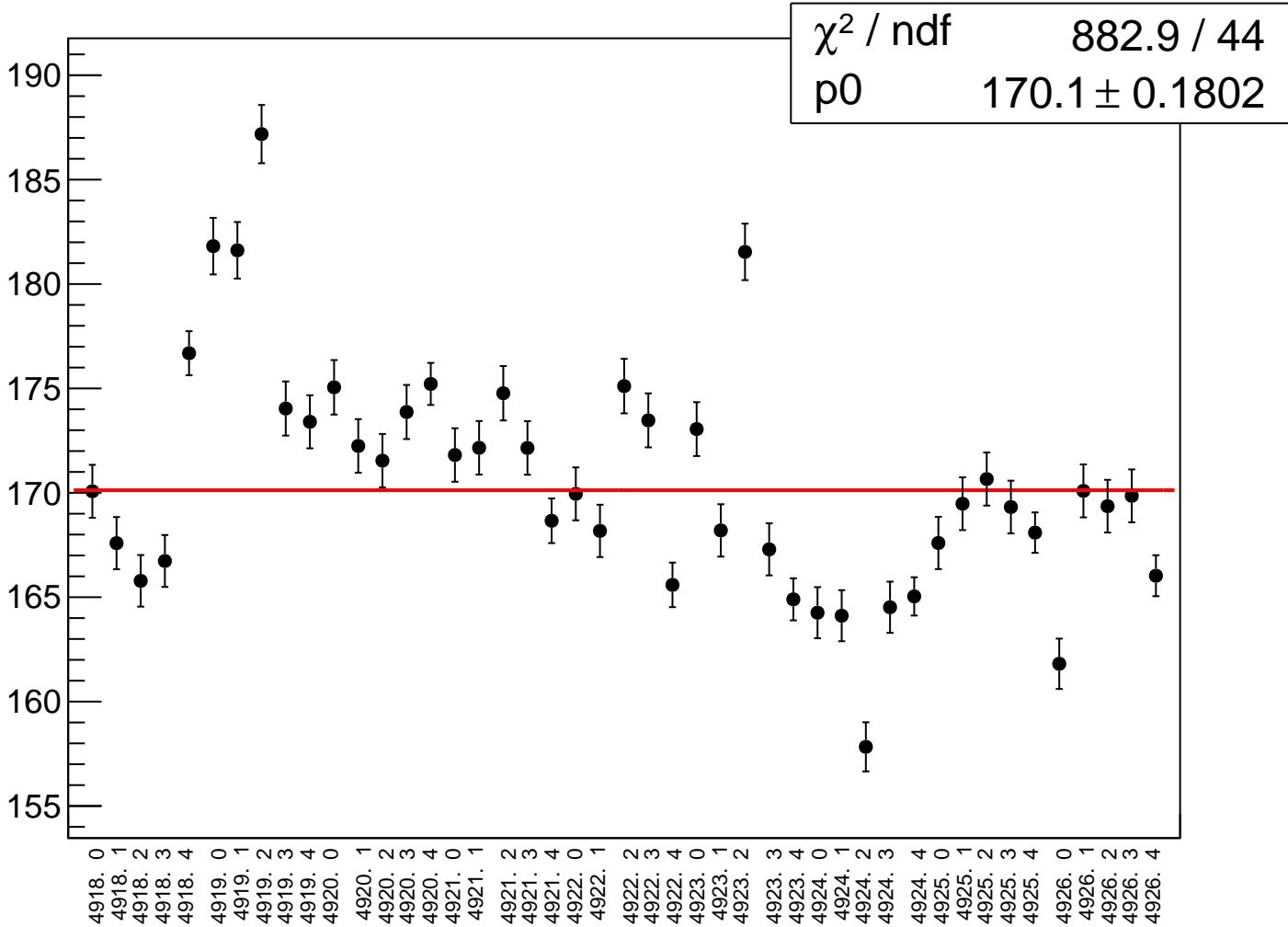
Entries 45

Mean 0.001785

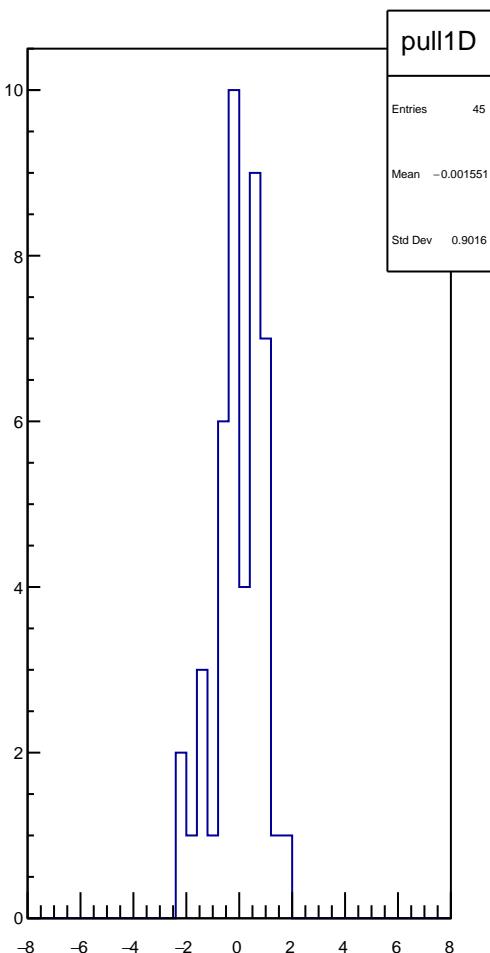
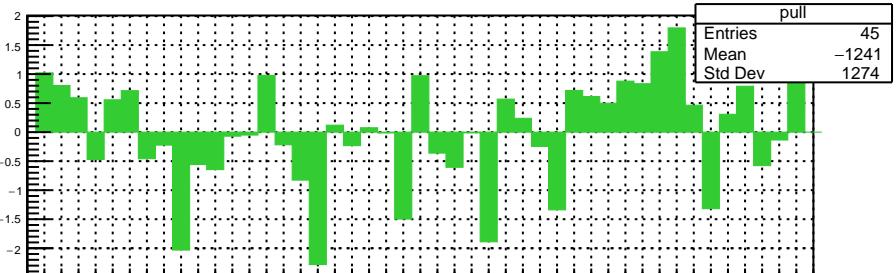
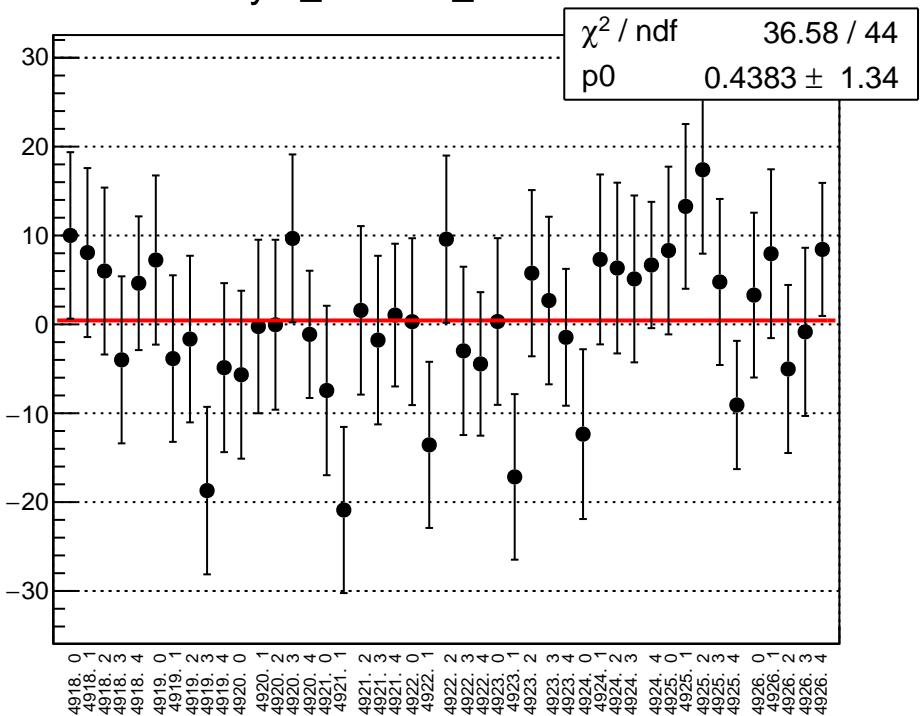
Std Dev 0.3952



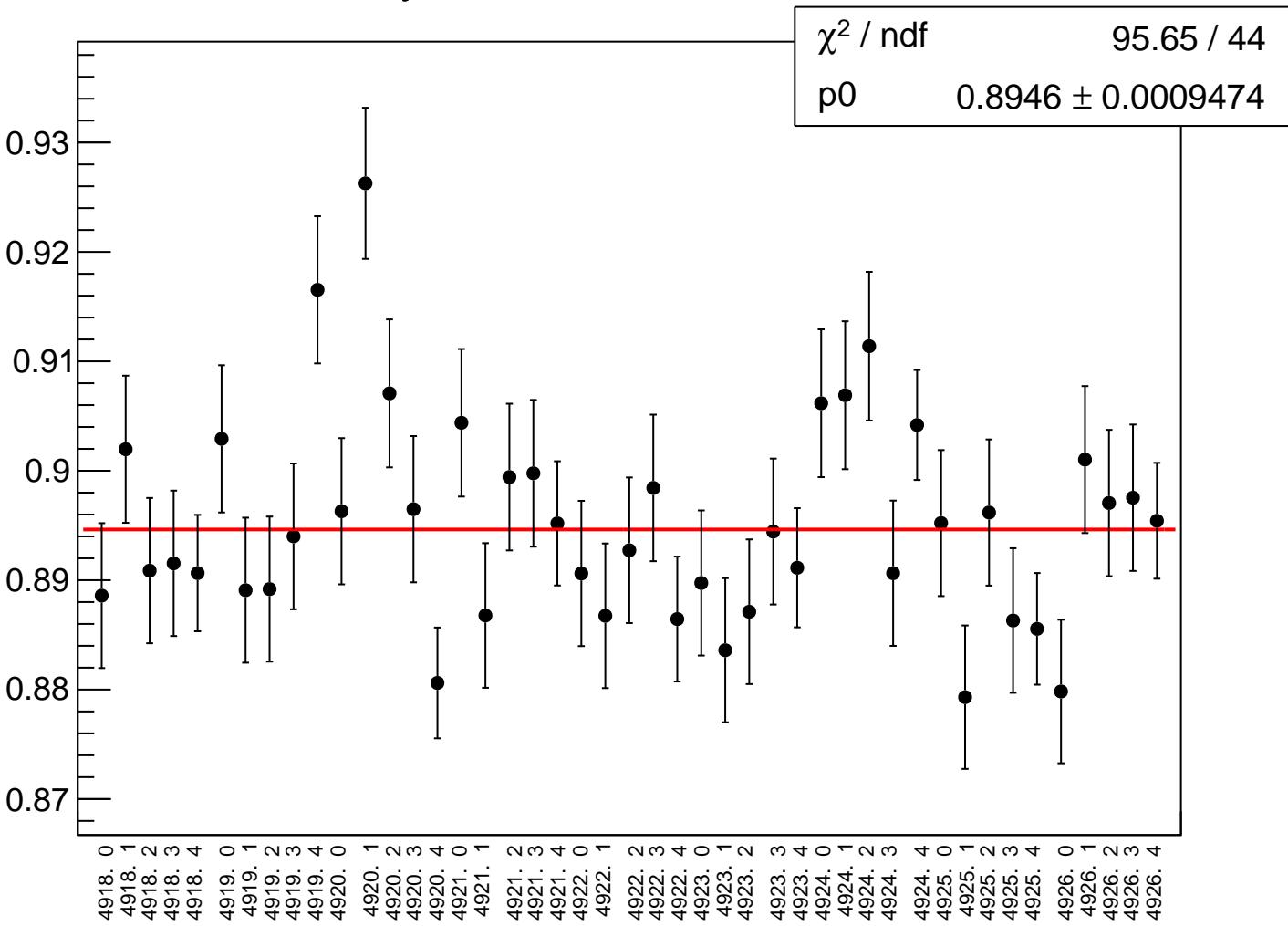
# asym\_cav4cQ\_rms vs run



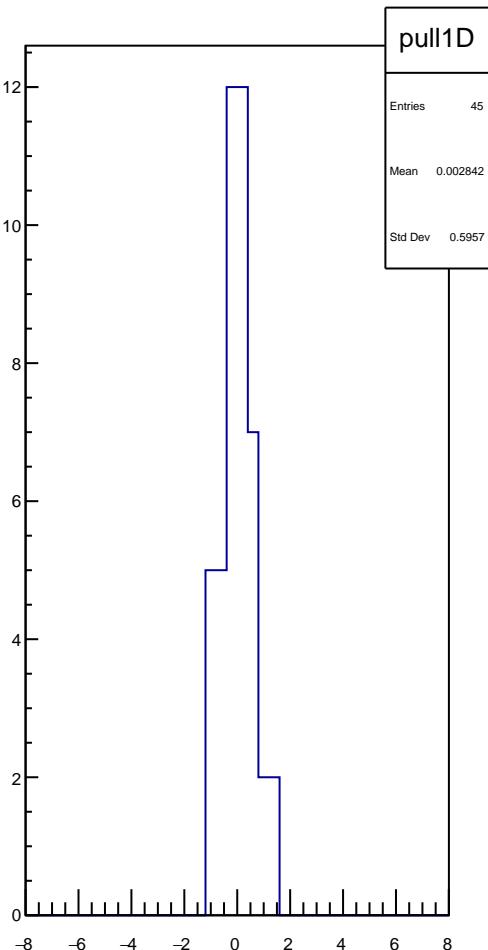
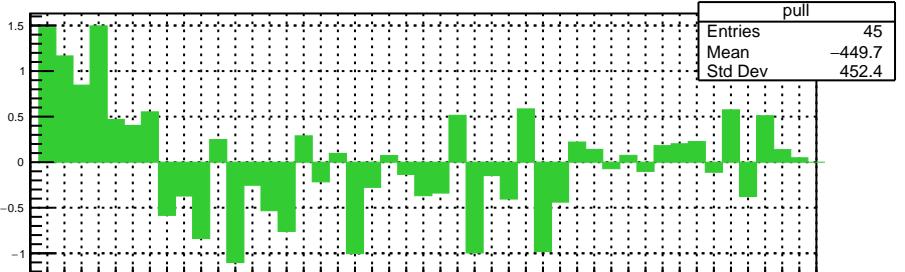
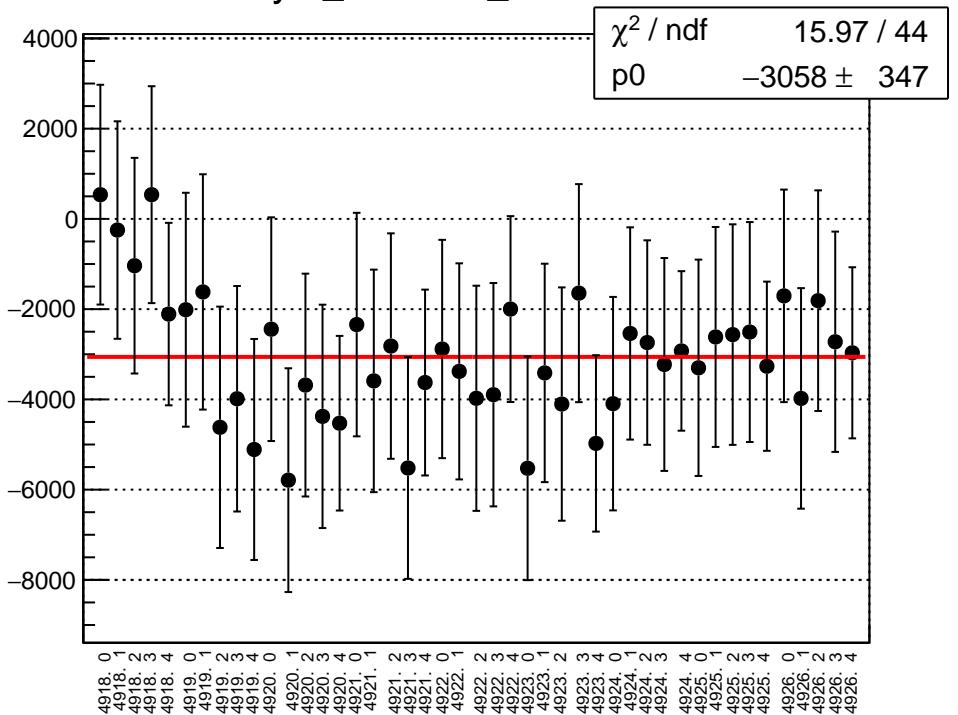
# asym\_cav4dQ\_mean vs run



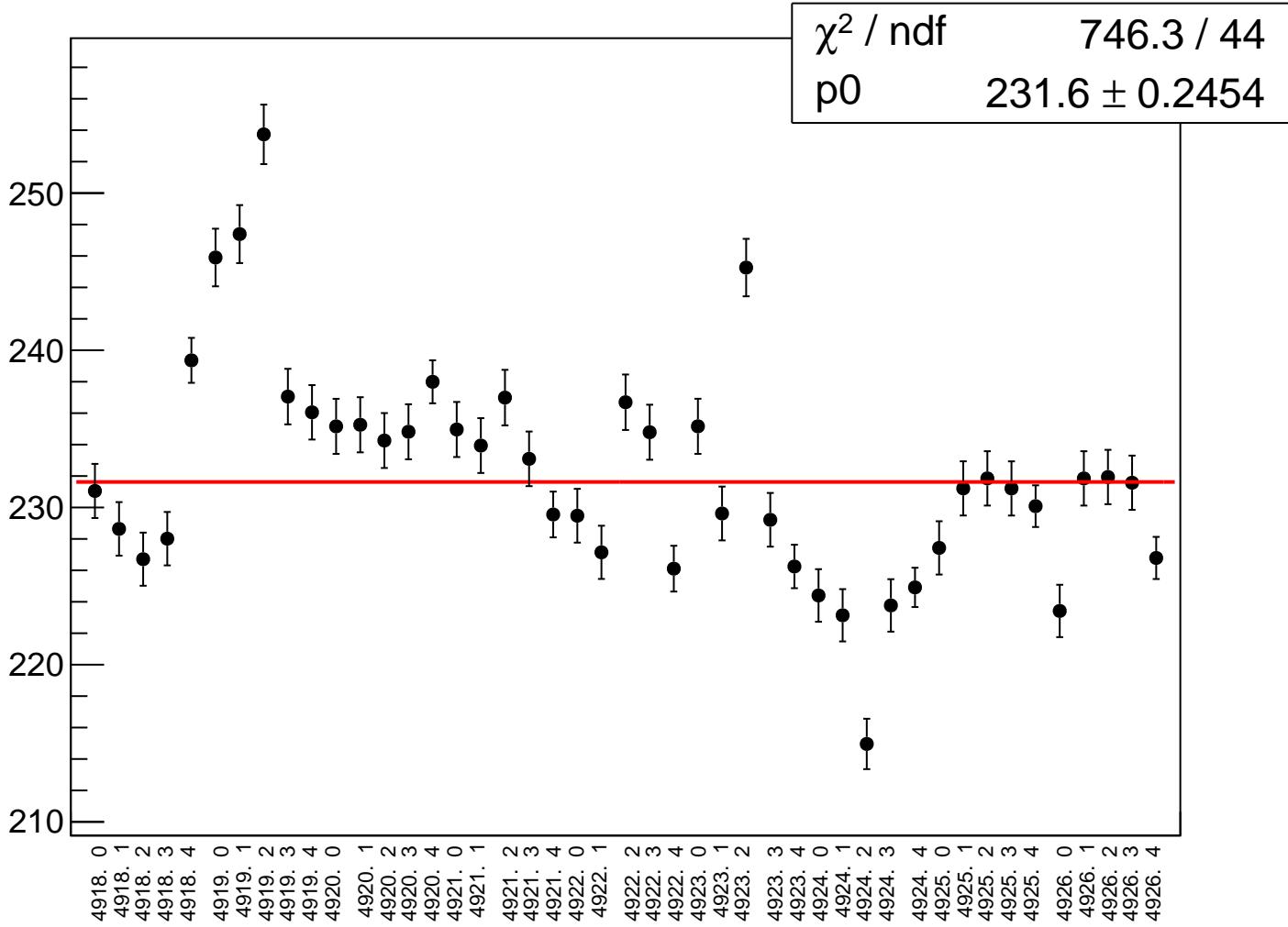
# asym\_cav4dQ\_rms vs run



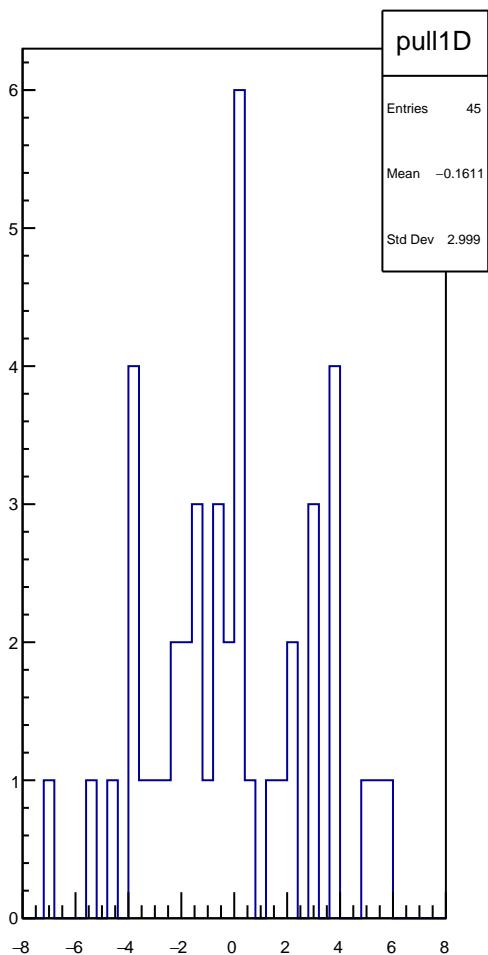
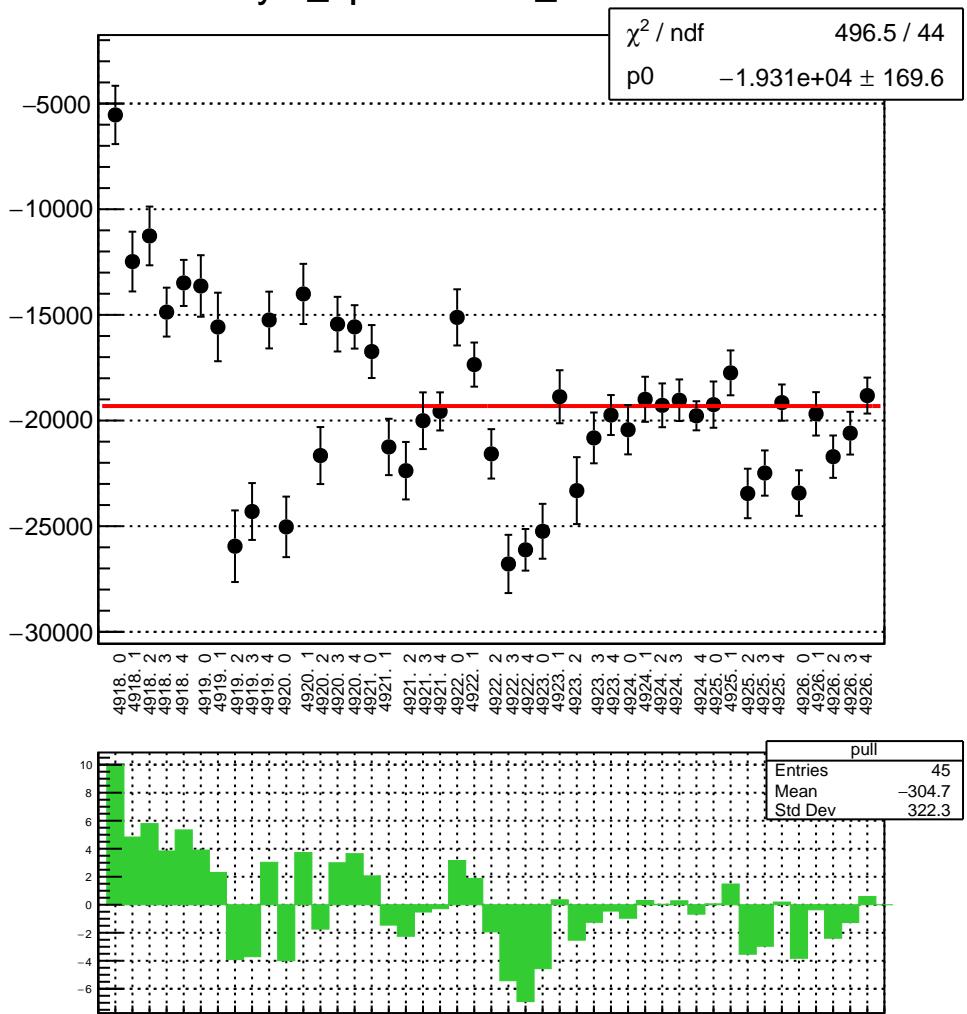
# asym\_bcm0l02\_mean vs run



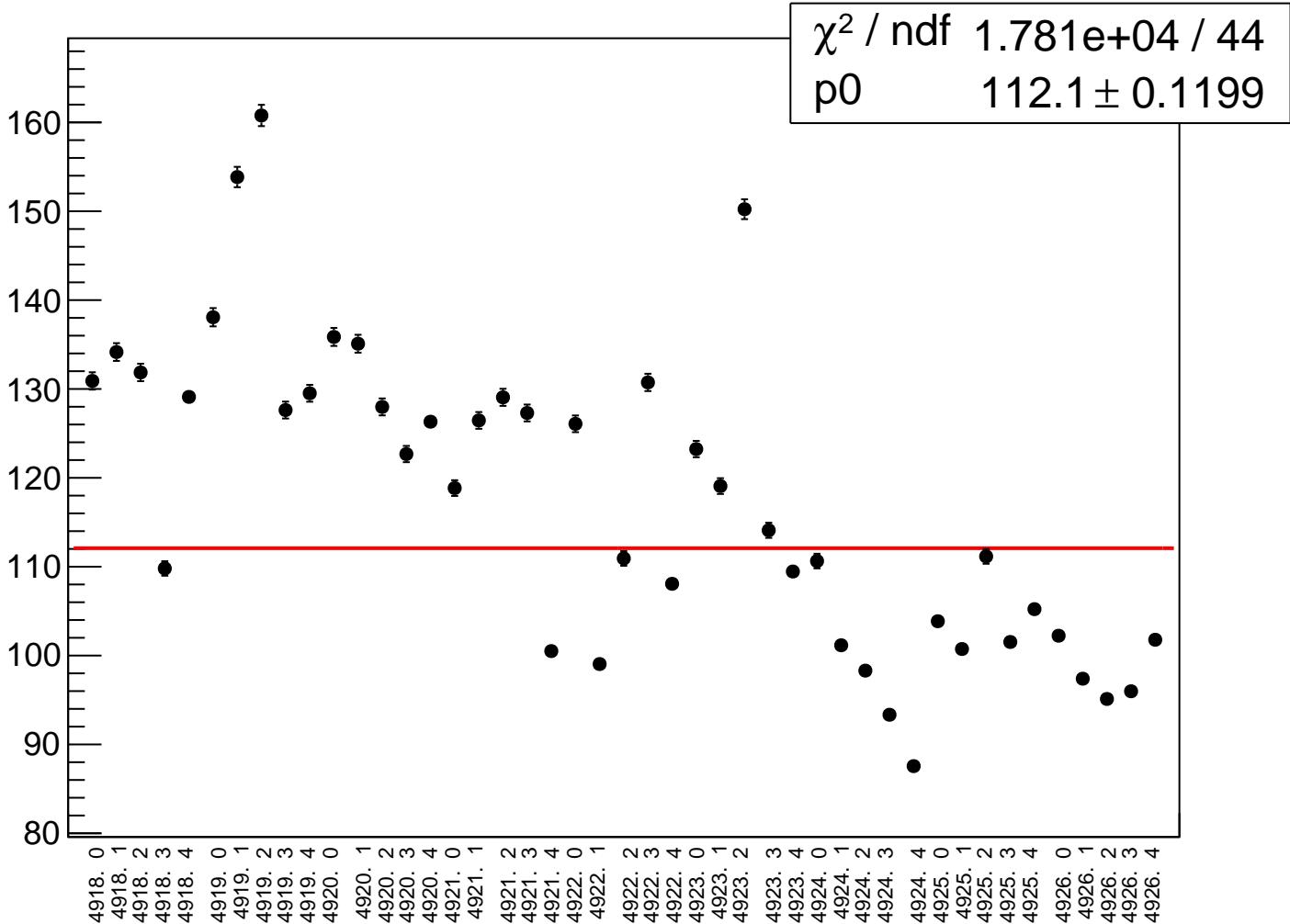
# asym\_bcm0l02\_rms vs run



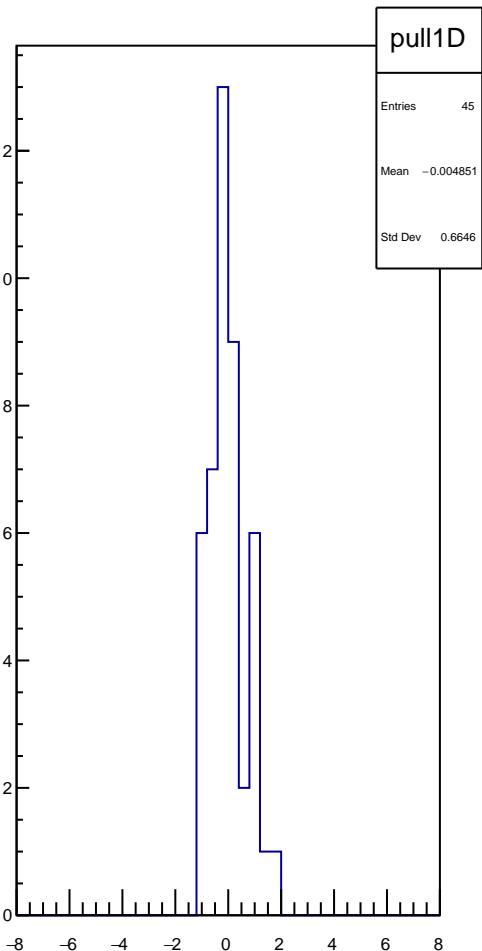
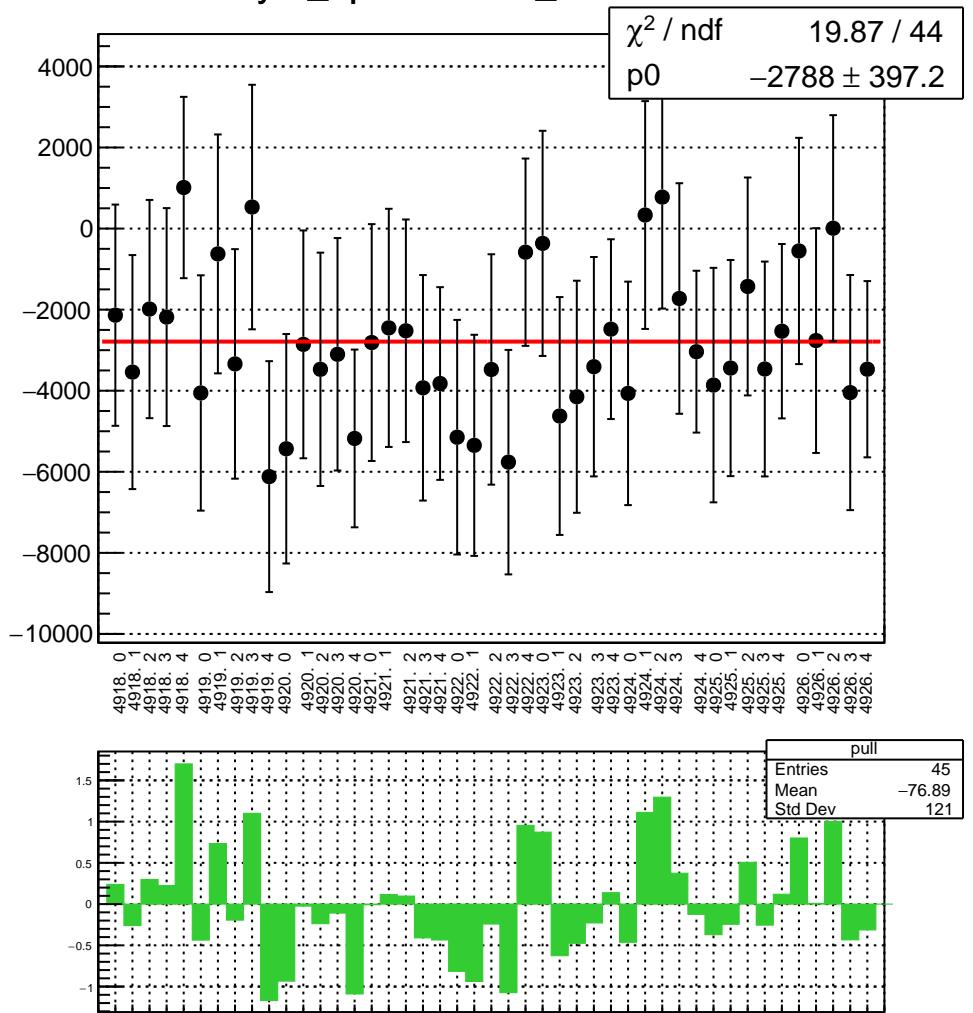
# asym\_bpm2i01WS\_mean vs run



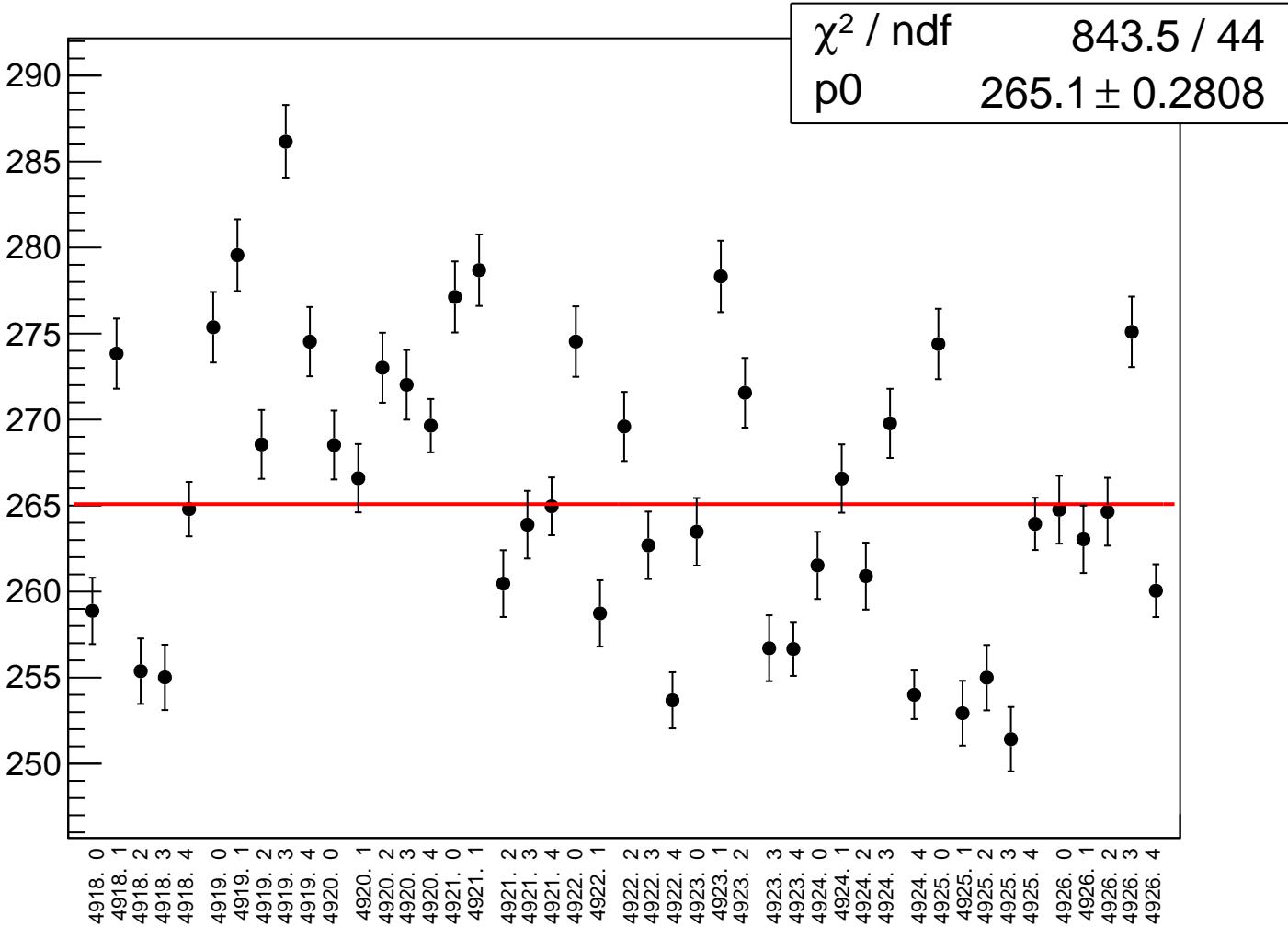
# asym\_bpm2i01WS\_rms vs run



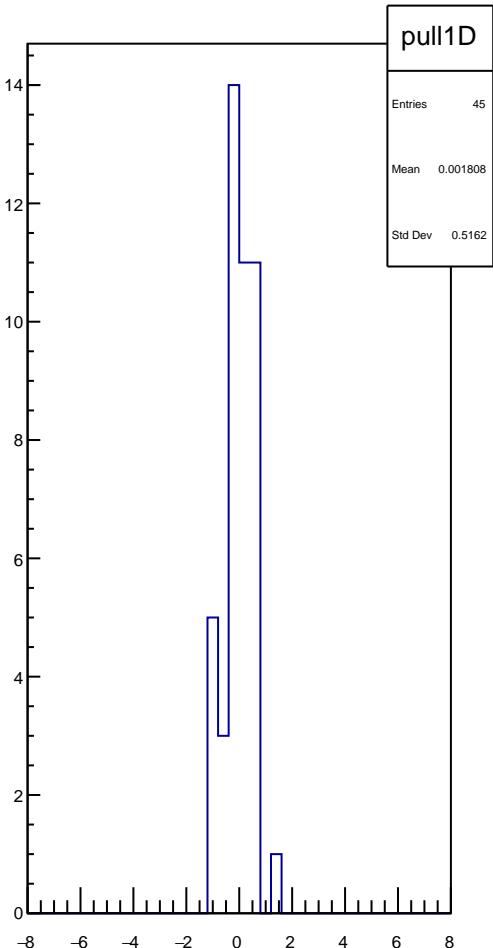
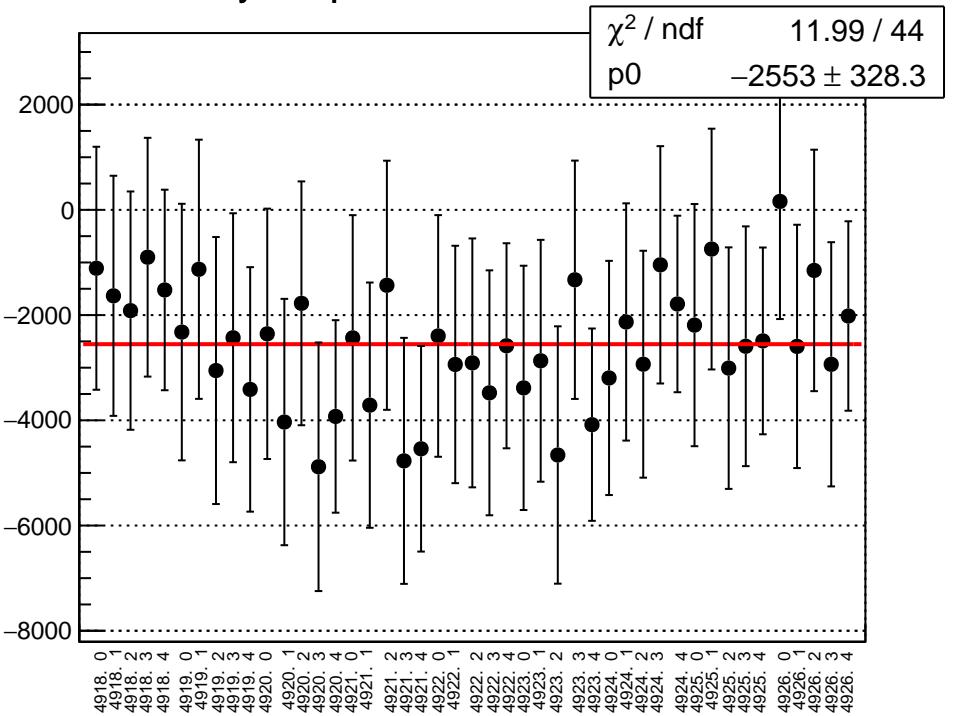
# asym\_bpm0i07WS\_mean vs run



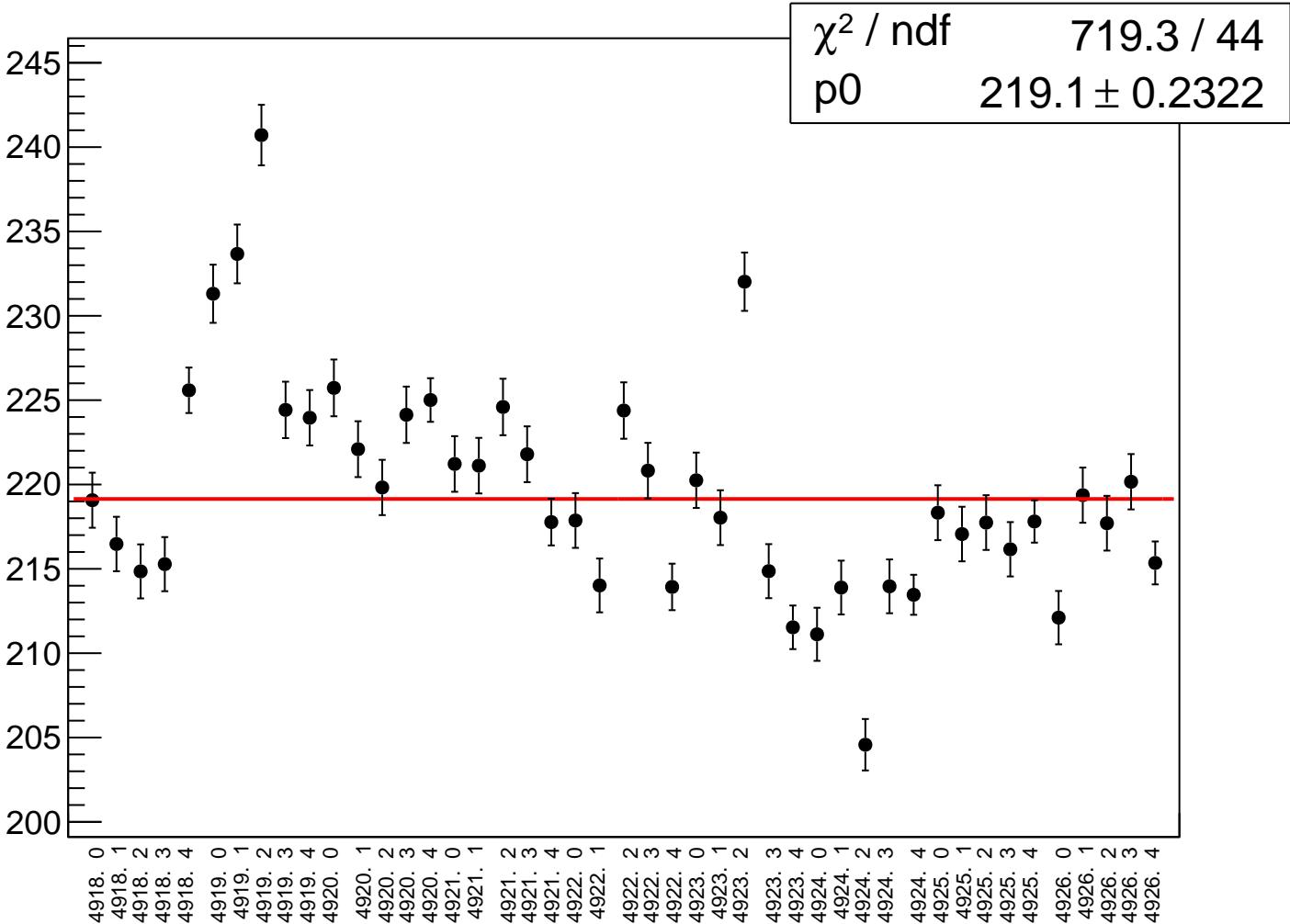
# asym\_bpm0i07WS\_rms vs run



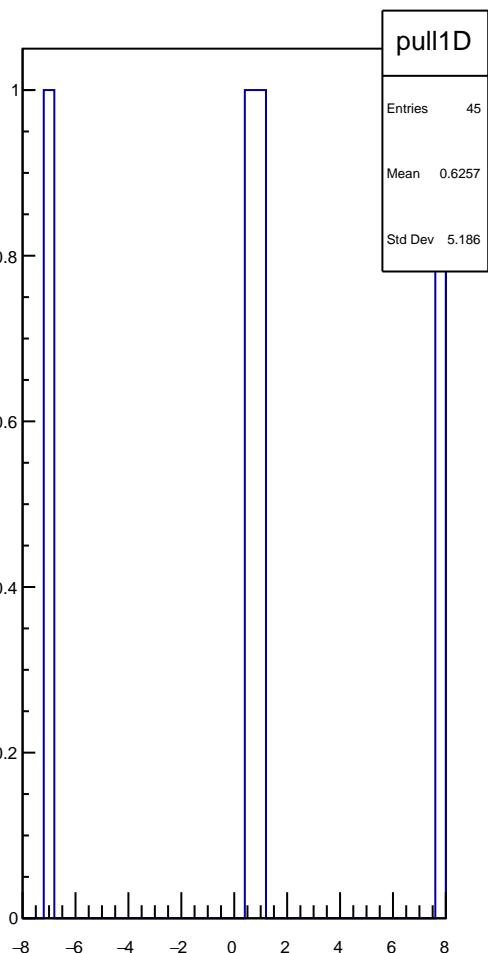
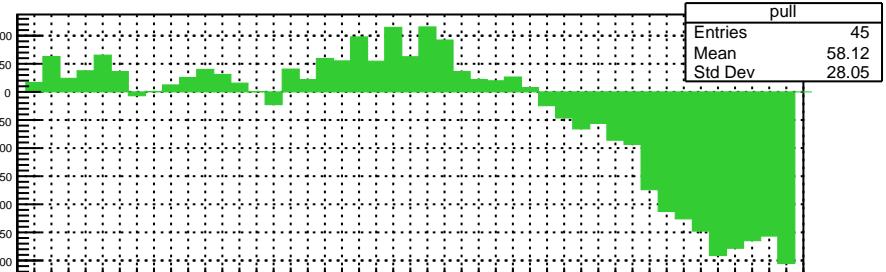
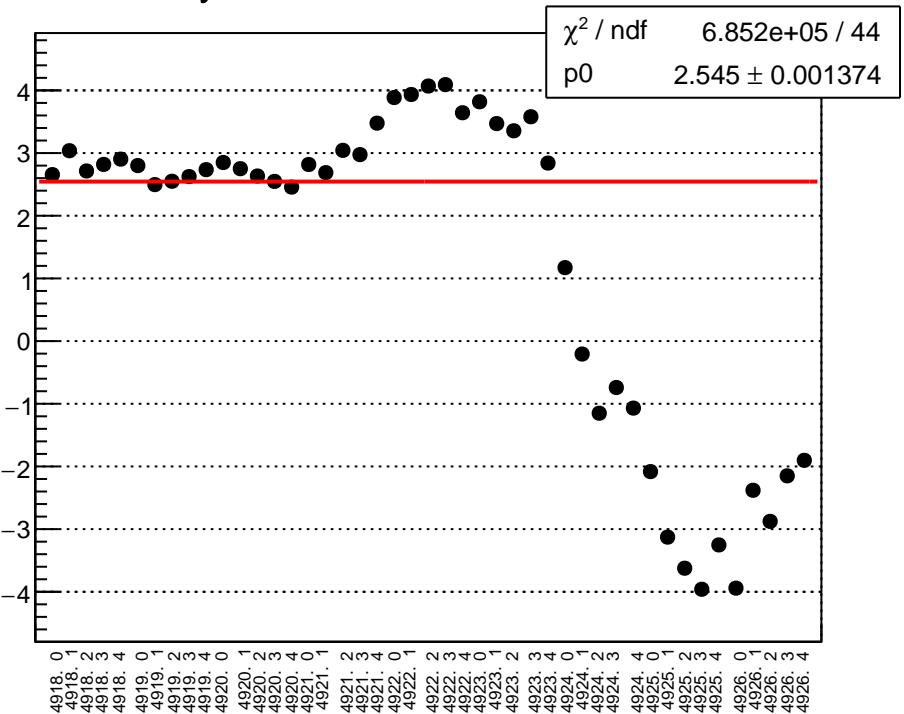
# asym\_bpm0l01WS\_mean vs run



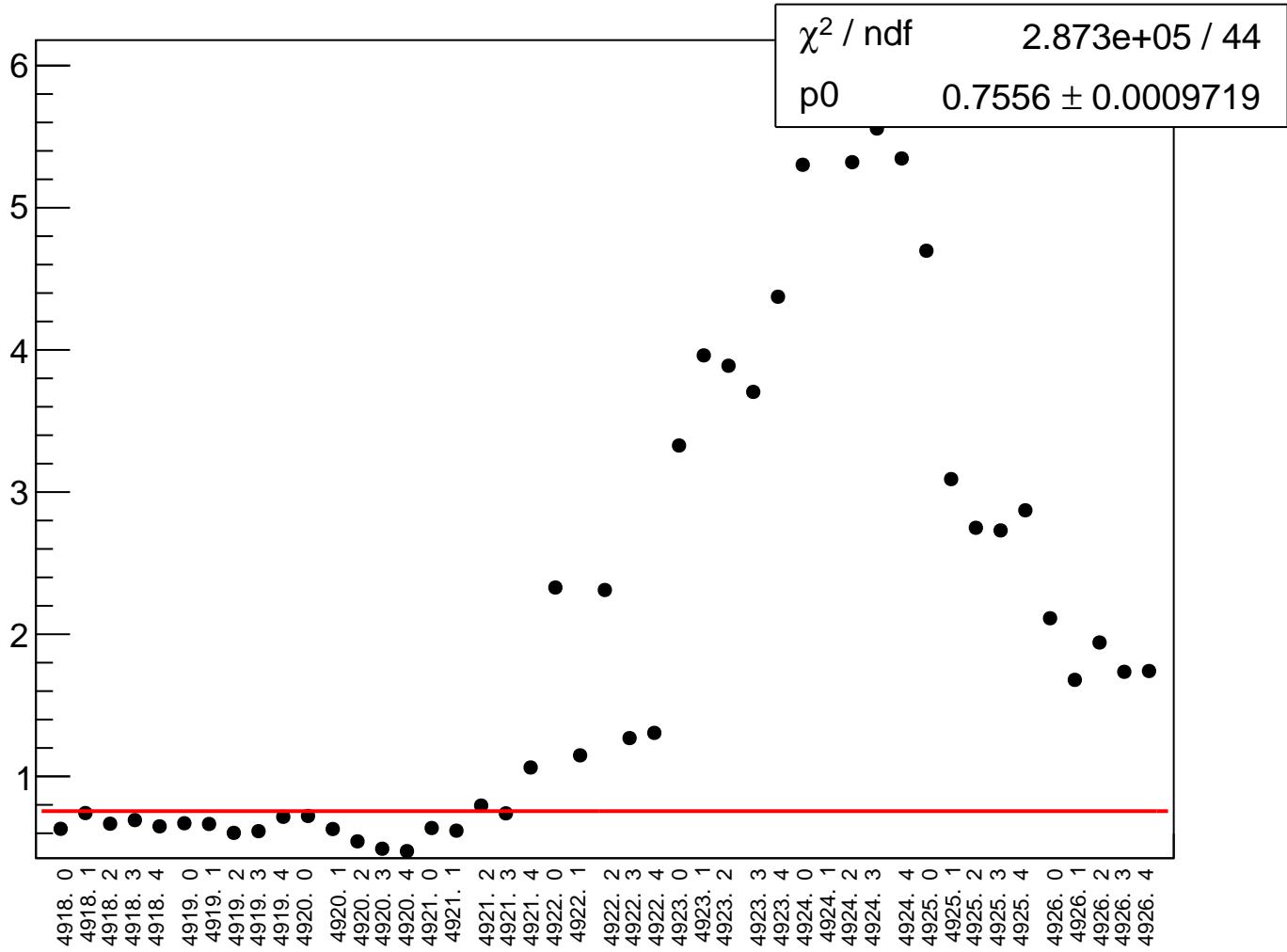
# asym\_bpm0l01WS\_rms vs run



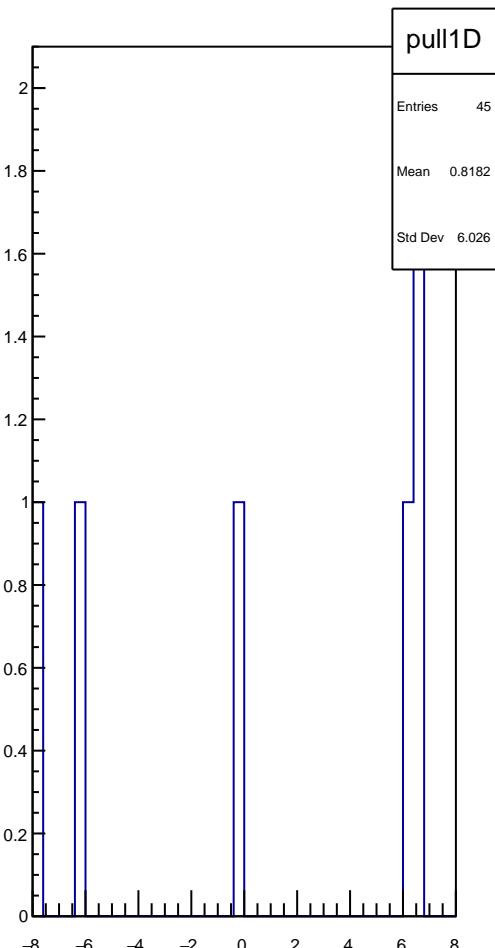
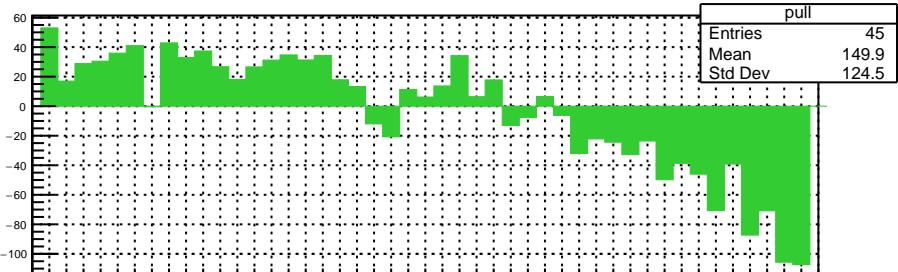
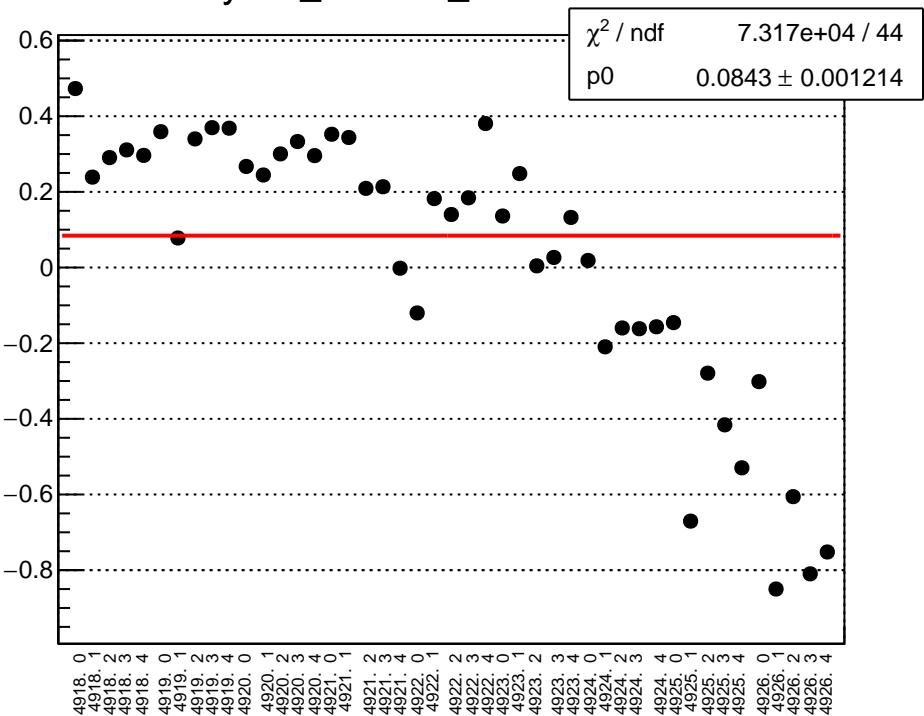
# yield\_cav4bX\_mean vs run



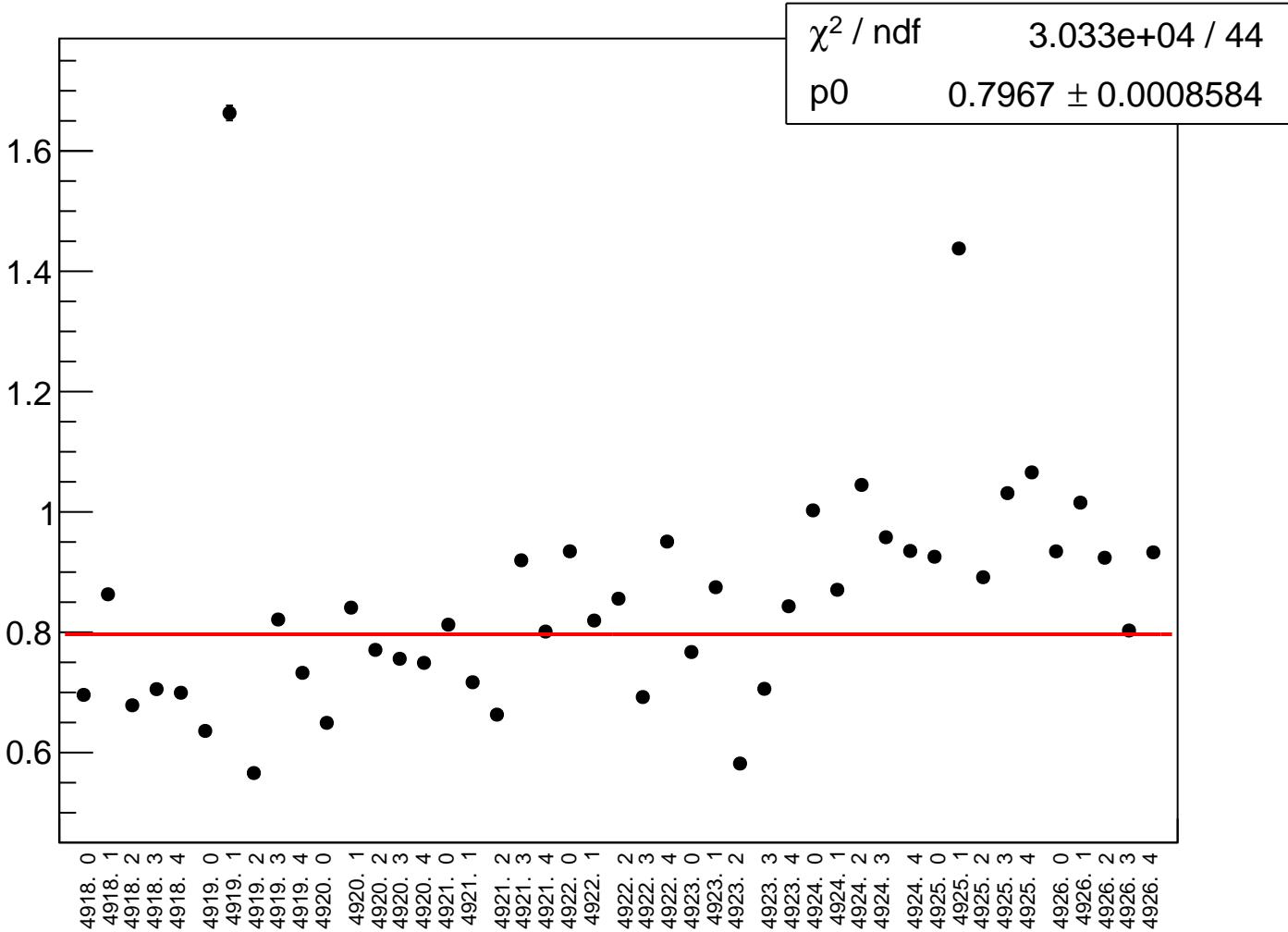
# yield\_cav4bX\_rms vs run



# yield\_cav4bY\_mean vs run

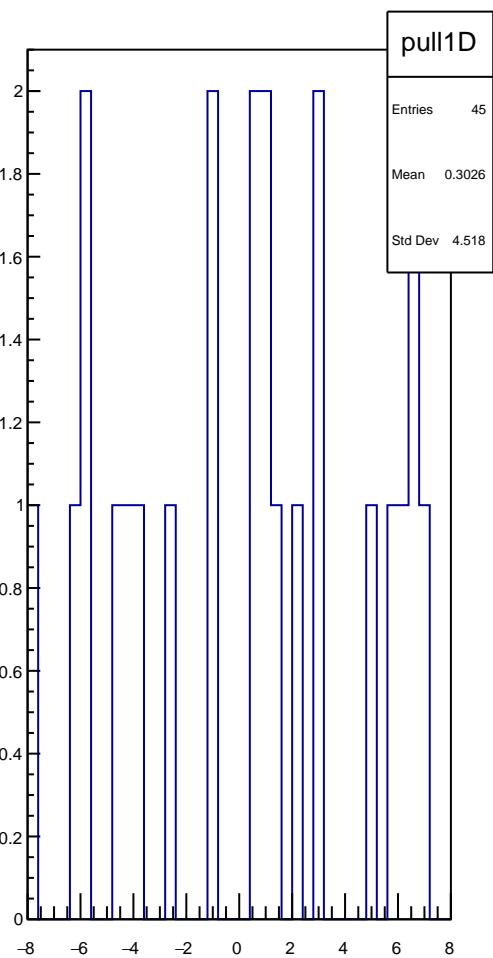
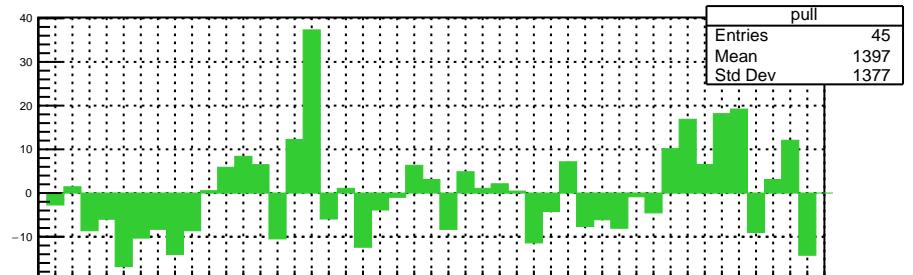
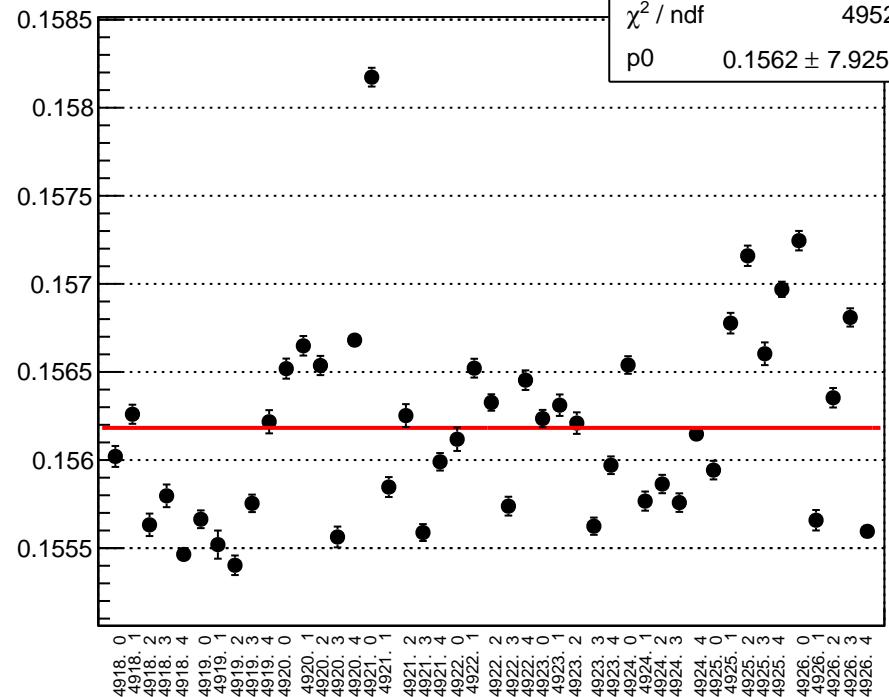


# yield\_cav4bY\_rms vs run

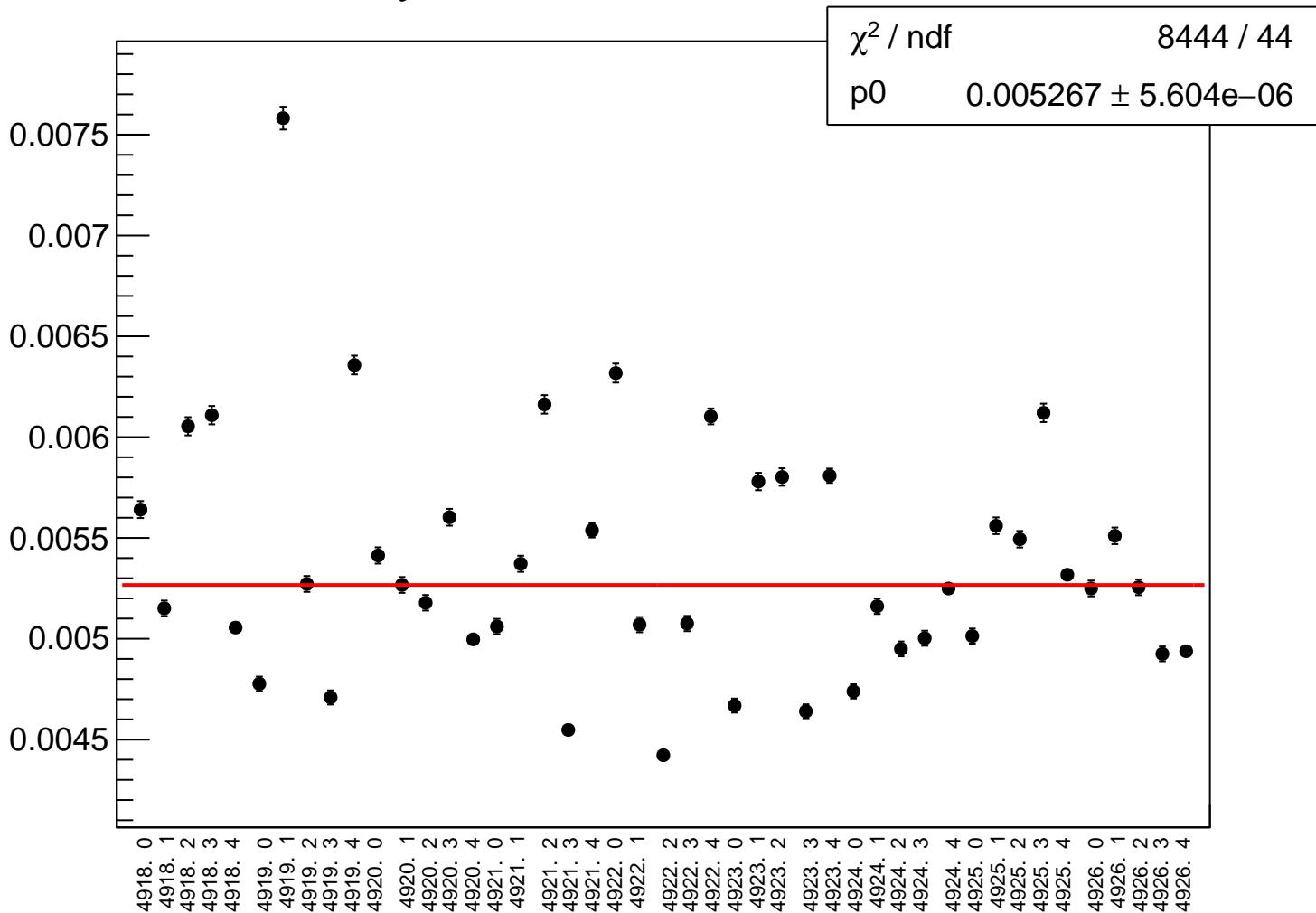


# yield\_cav4cX\_mean vs run

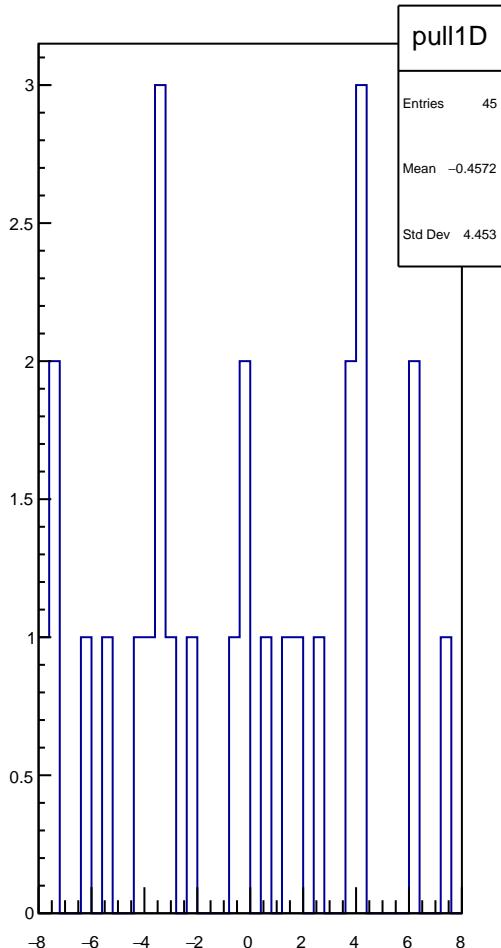
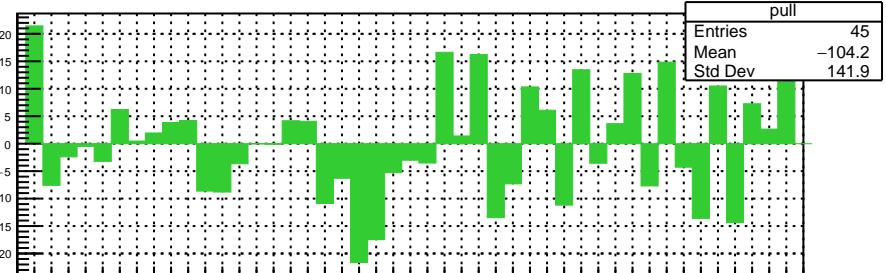
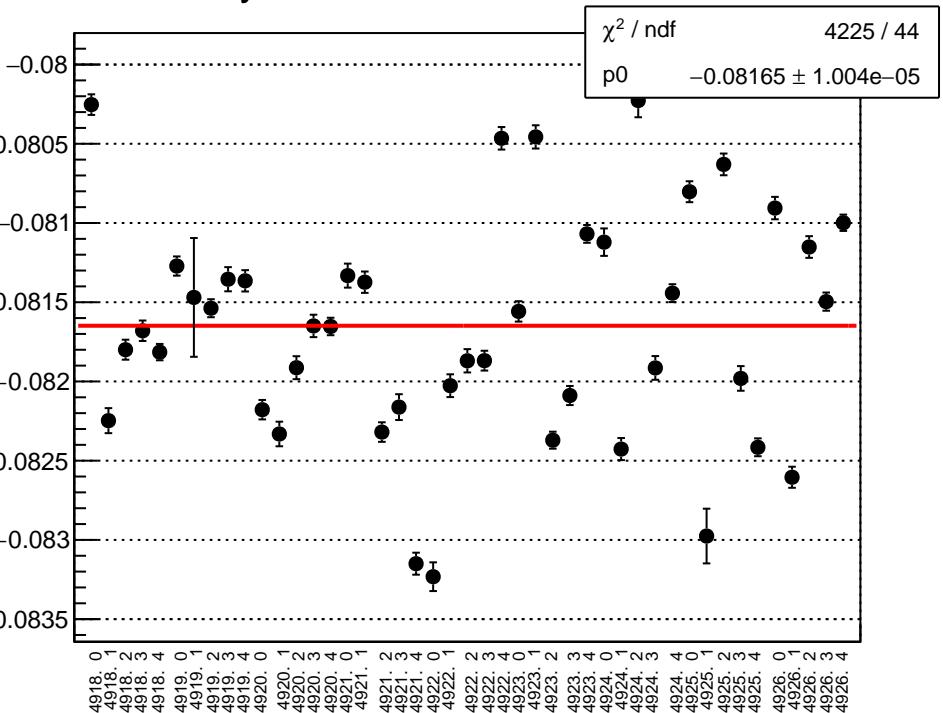
$\chi^2 / \text{ndf}$  4952 / 44  
 p0  $0.1562 \pm 7.925e-06$



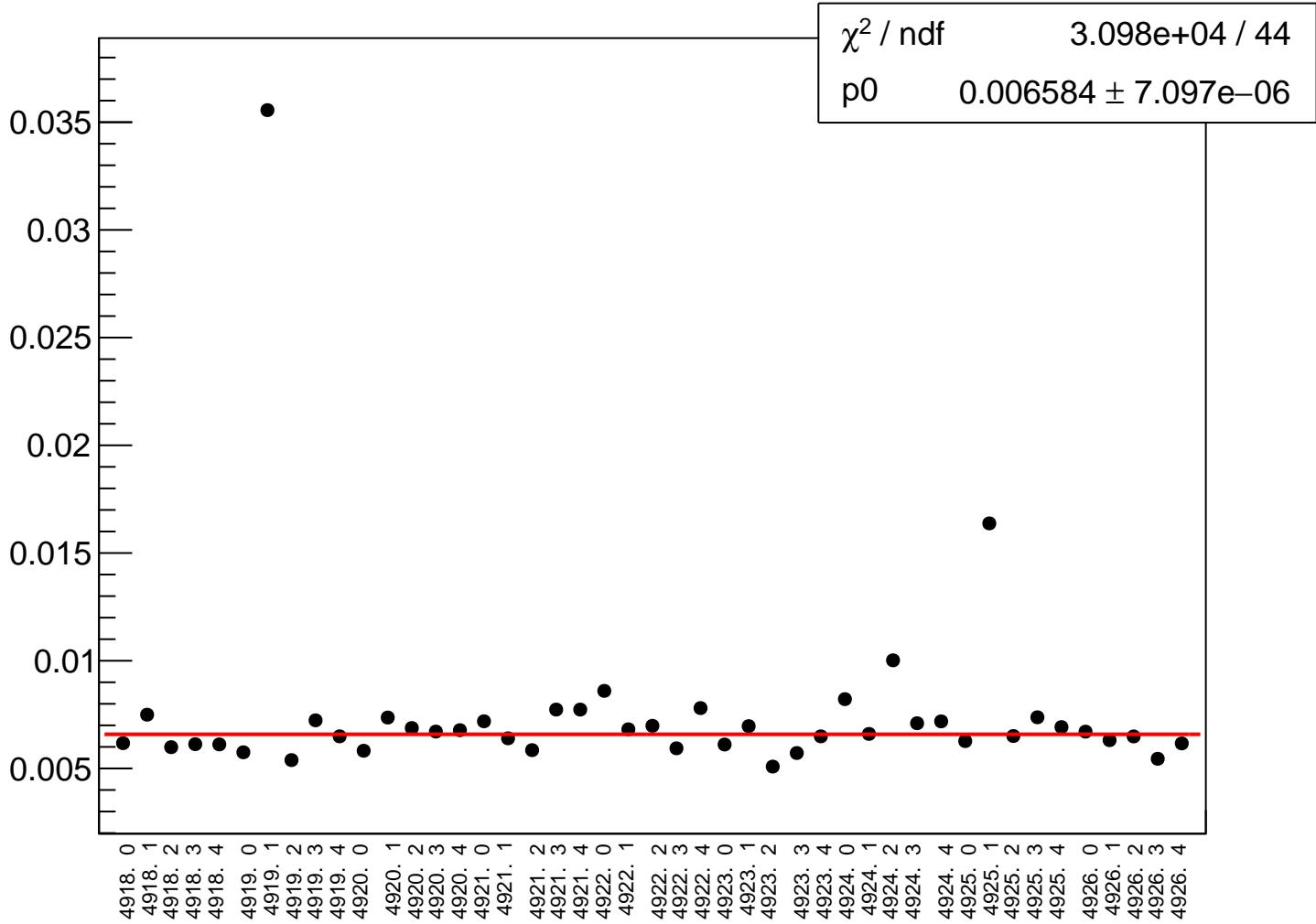
# yield\_cav4cX\_rms vs run



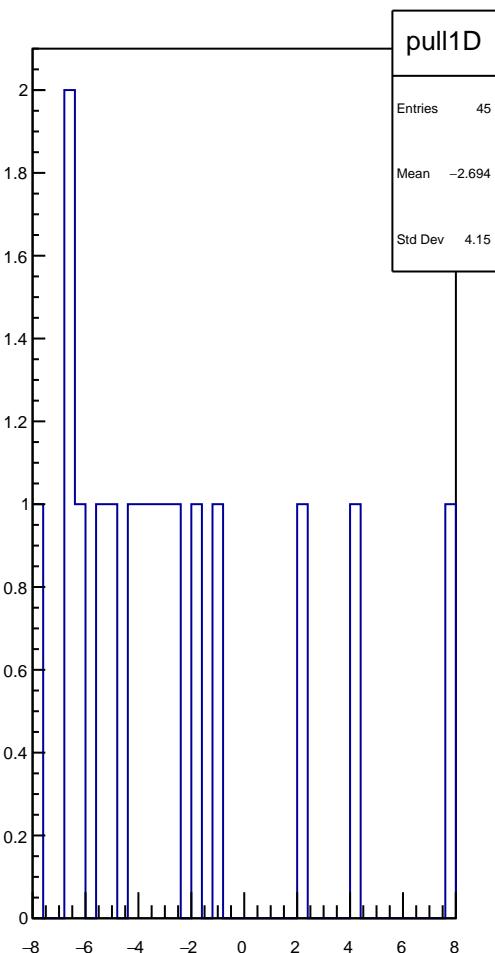
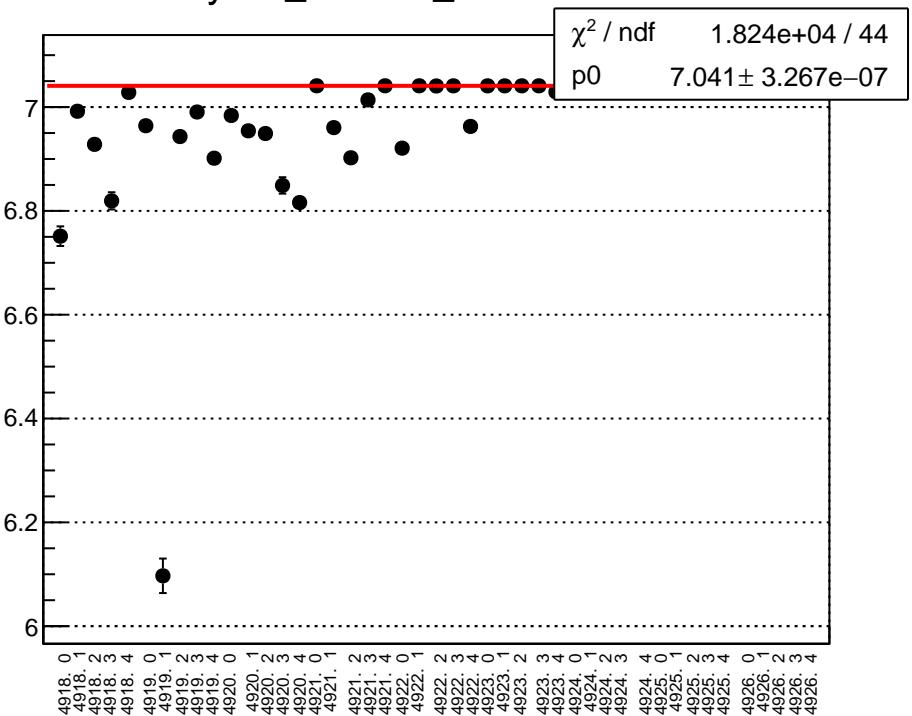
# yield\_cav4cY\_mean vs run



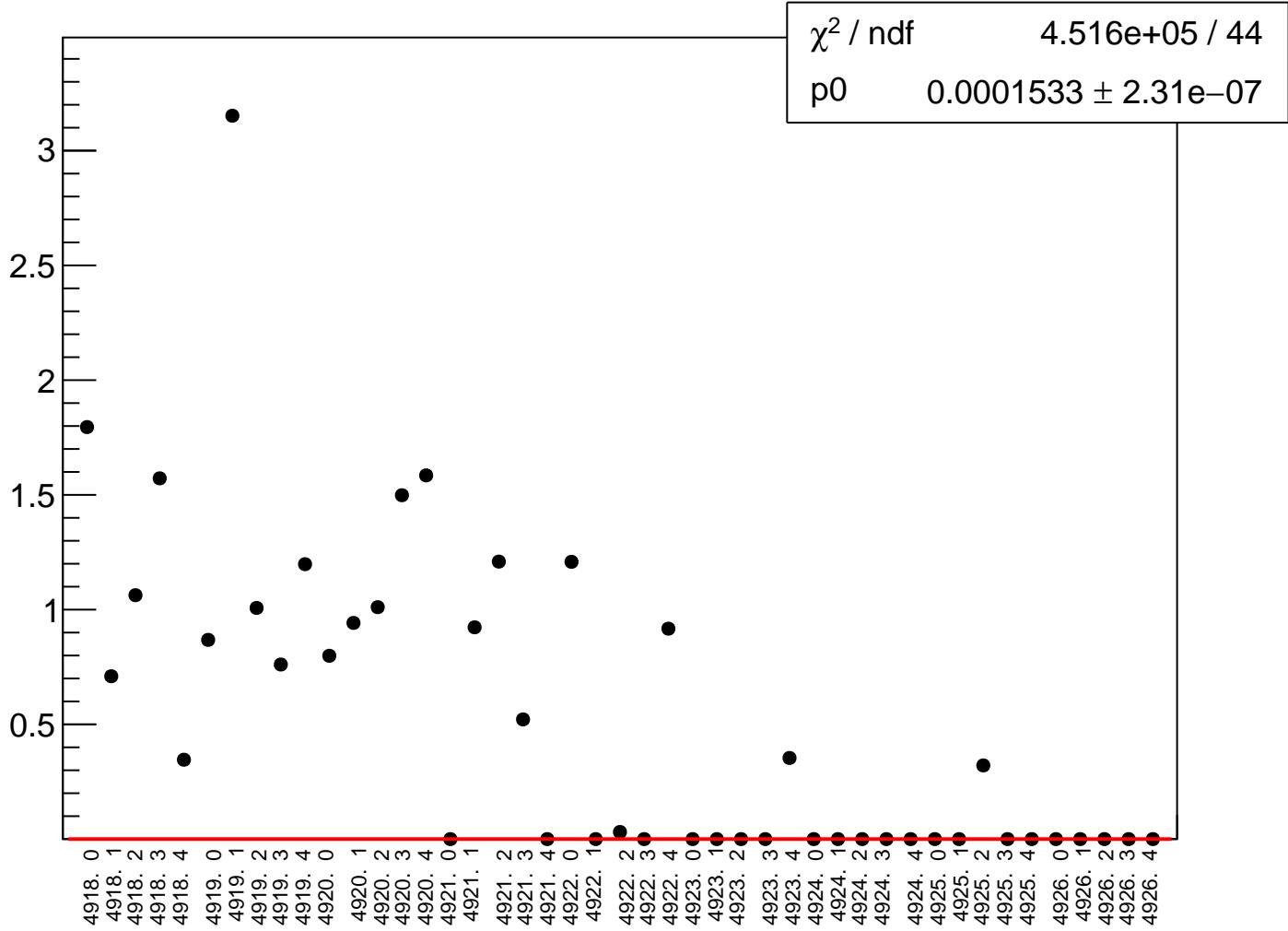
# yield\_cav4cY\_rms vs run



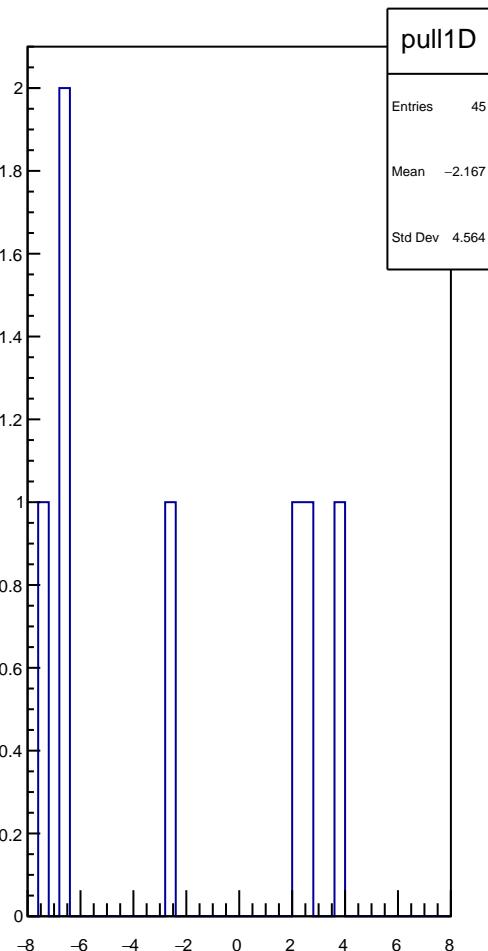
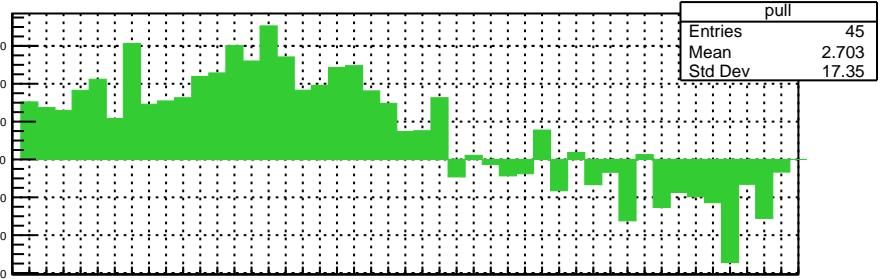
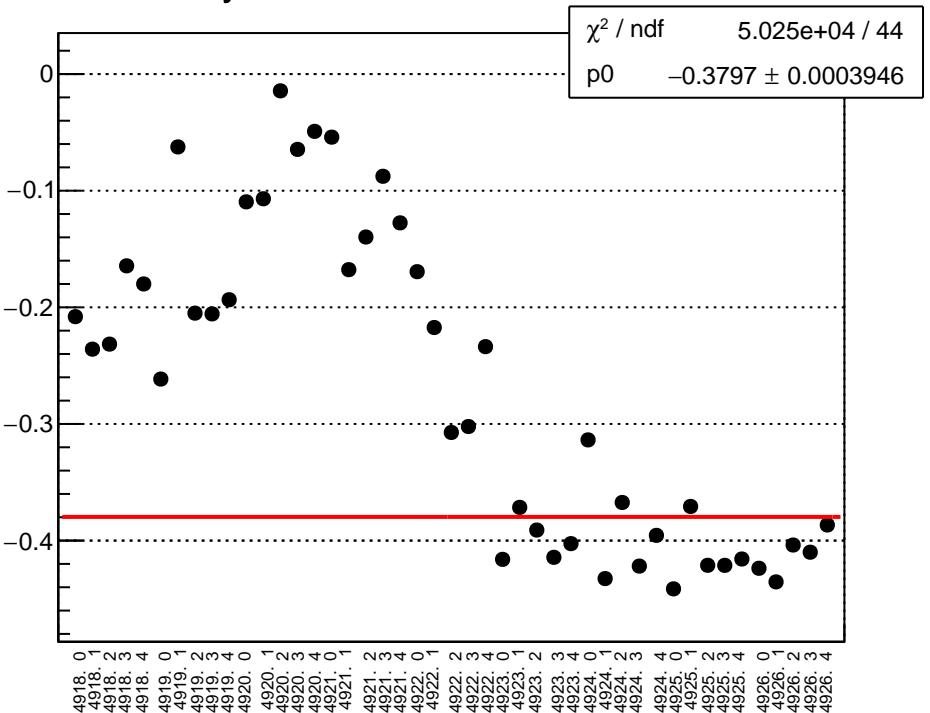
# yield\_cav4dX\_mean vs run



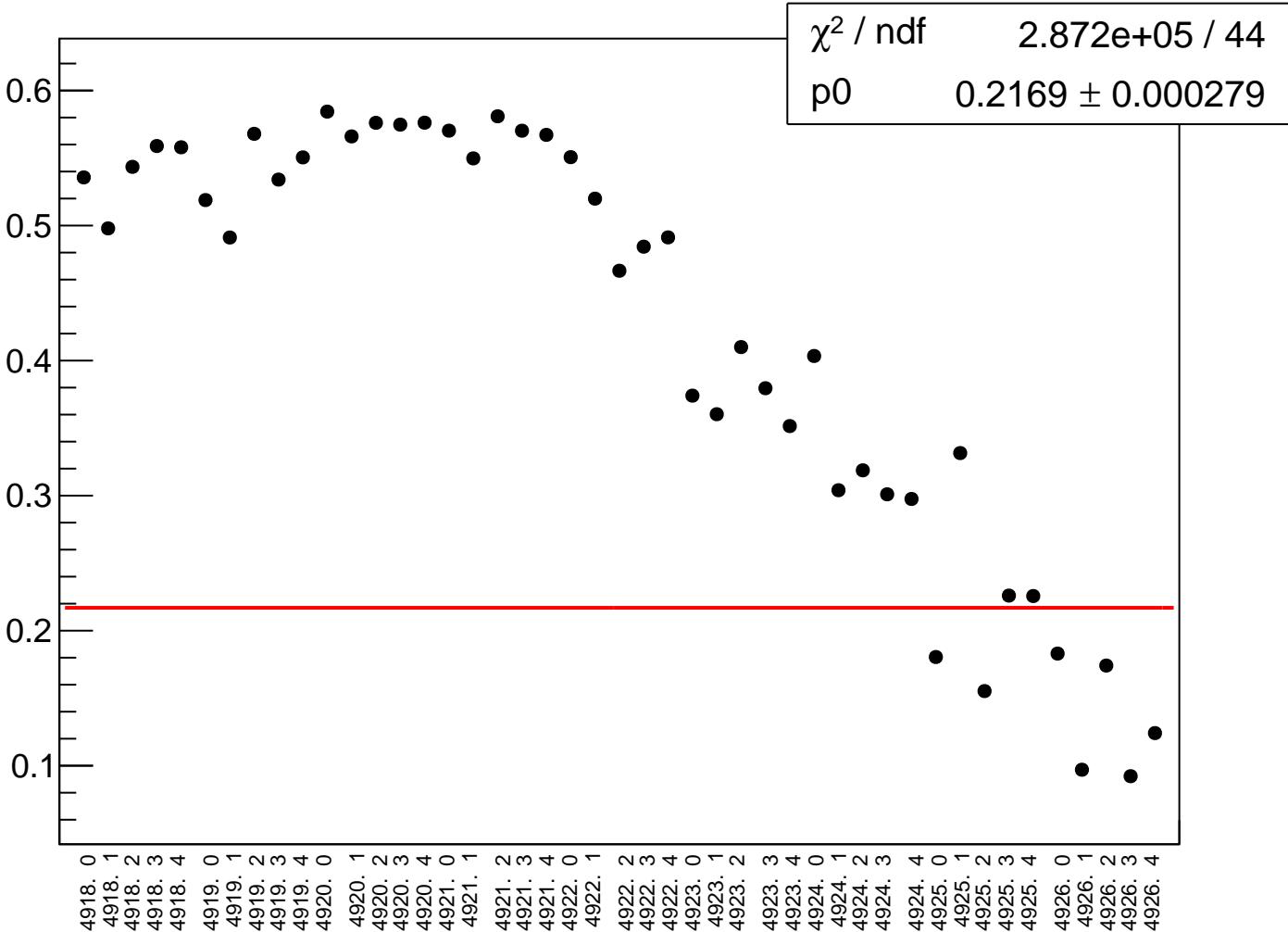
# yield\_cav4dX\_rms vs run



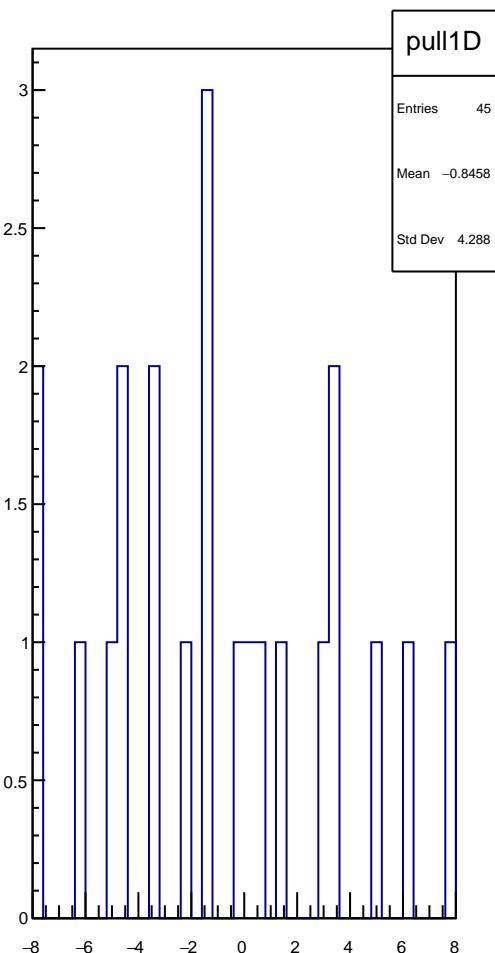
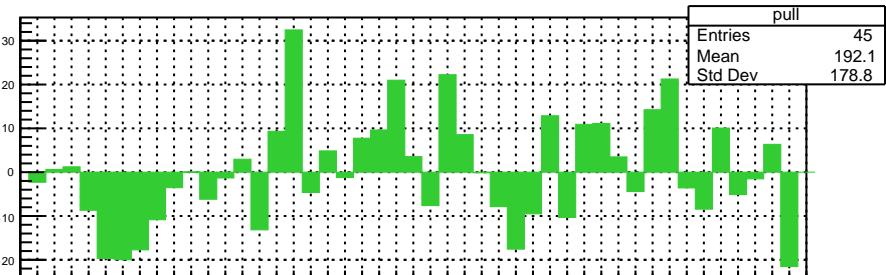
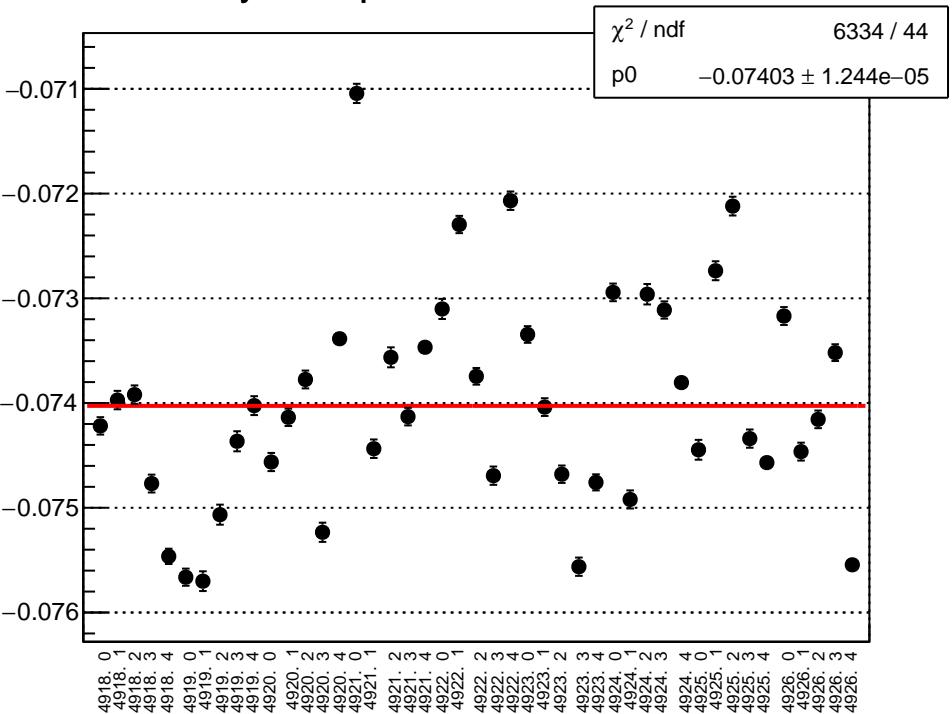
# yield\_cav4dY\_mean vs run



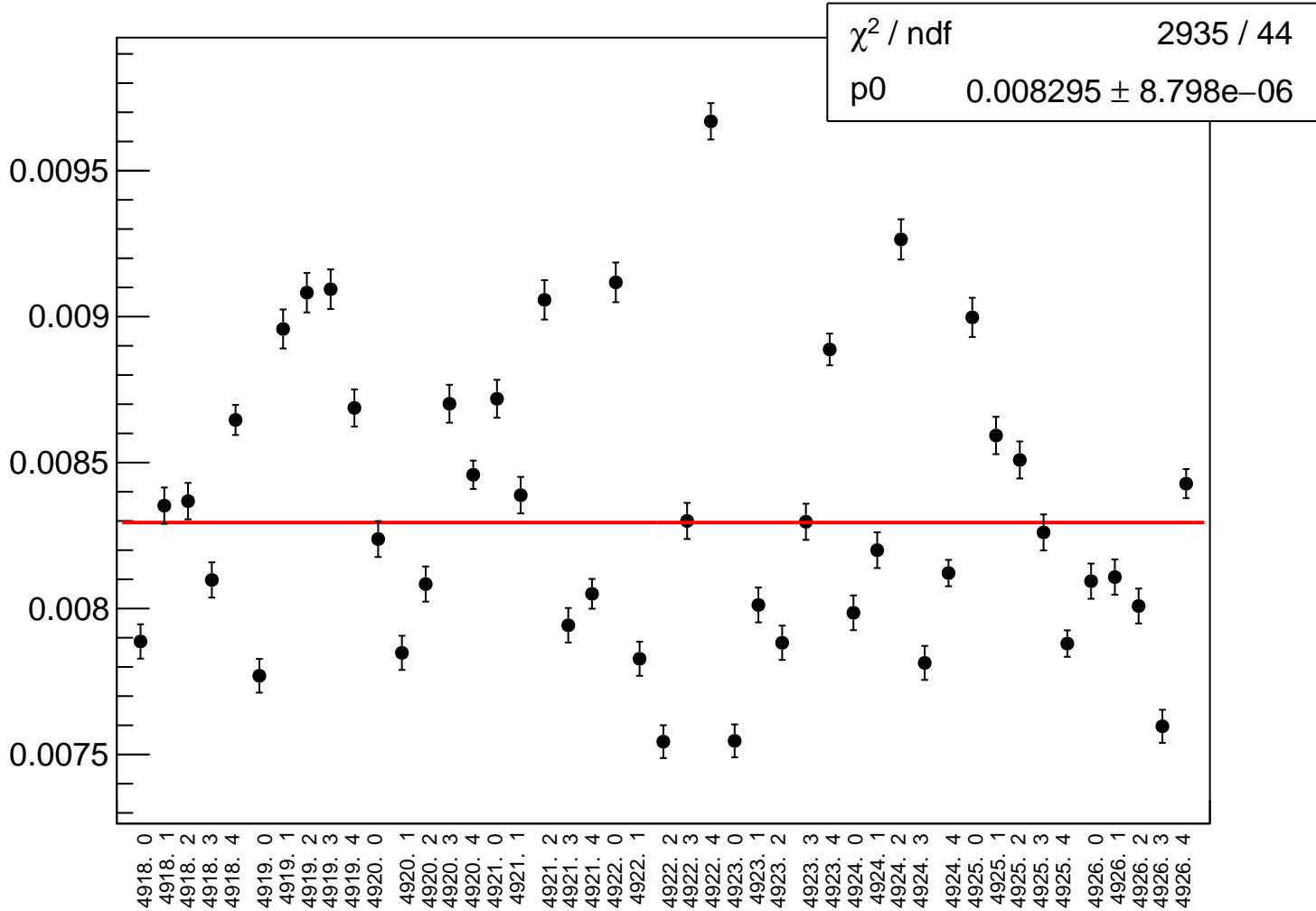
# yield\_cav4dY\_rms vs run



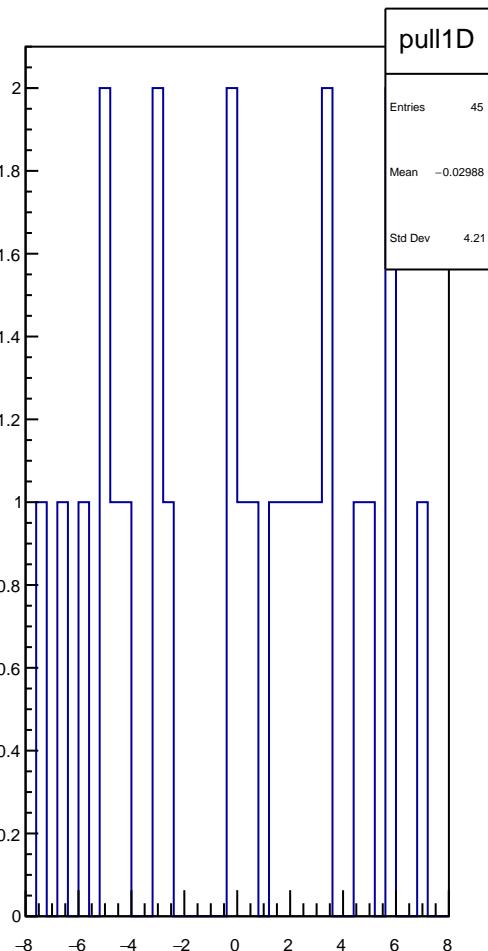
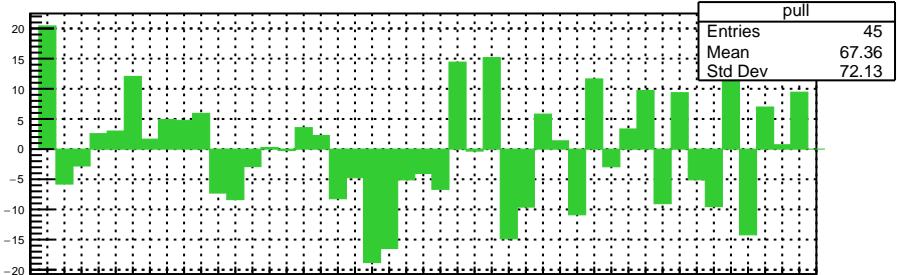
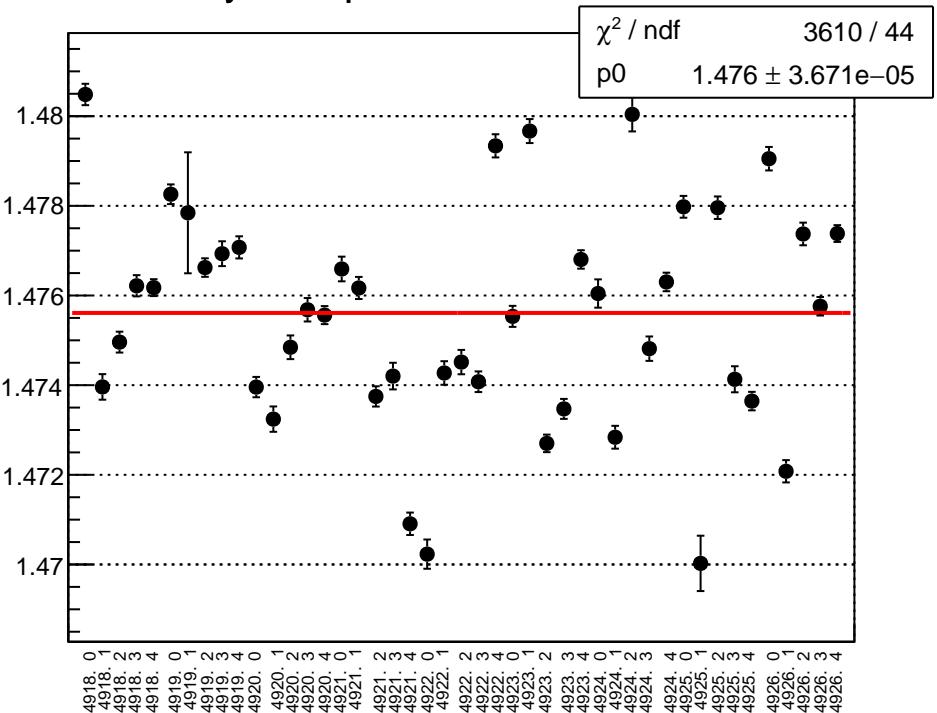
# yield\_bpm4aX\_mean vs run



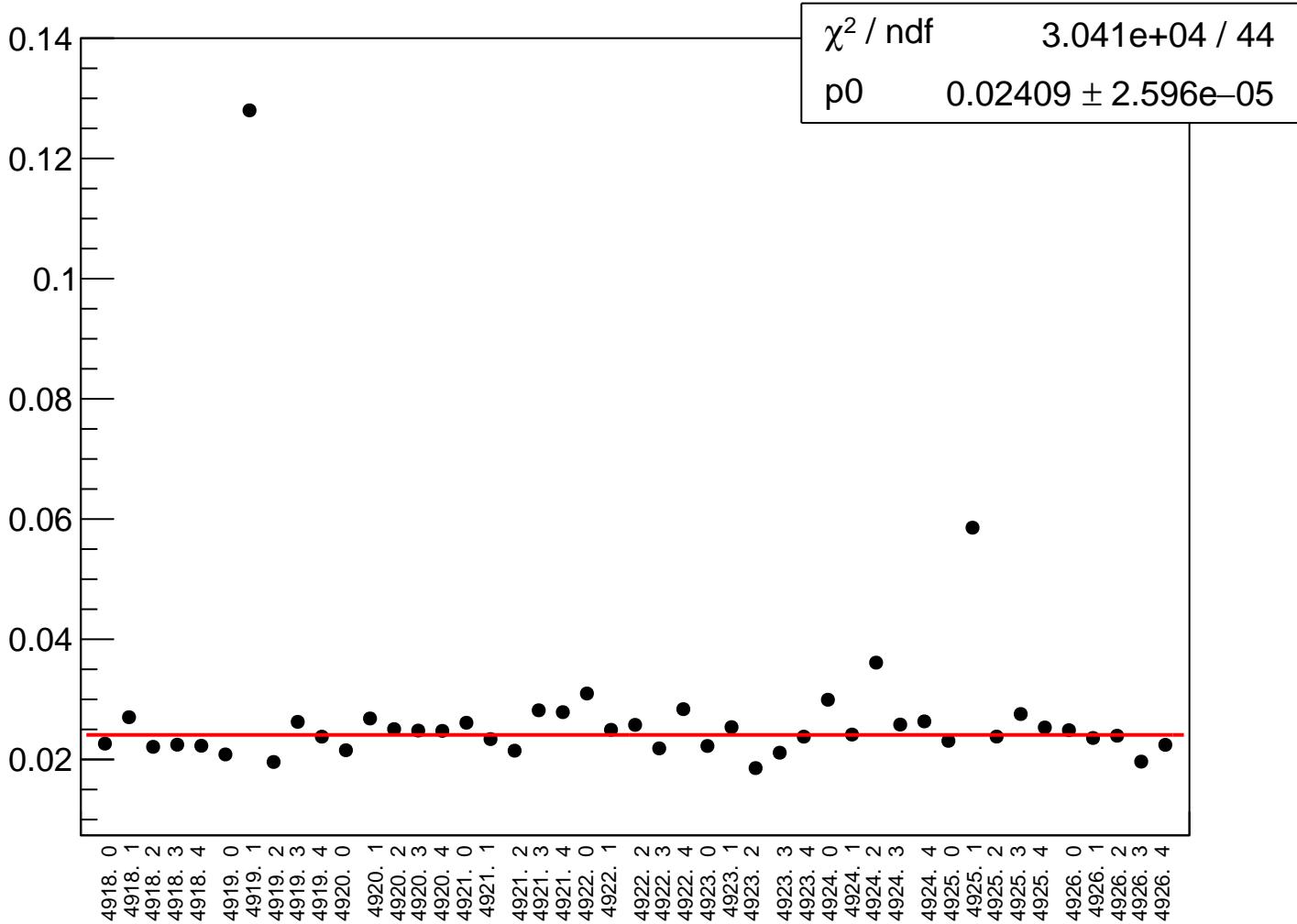
# yield\_bpm4aX\_rms vs run



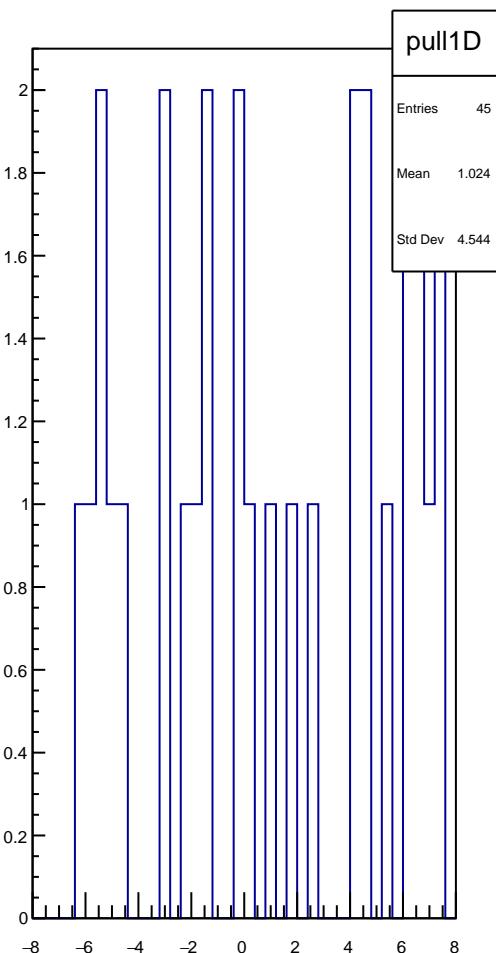
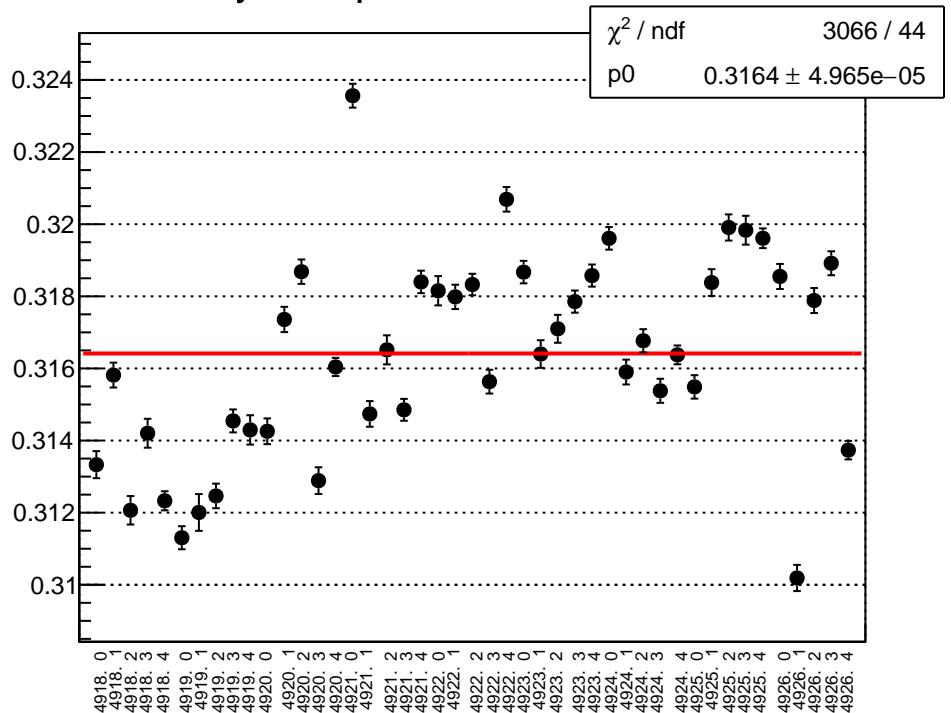
# yield\_bpm4aY\_mean vs run



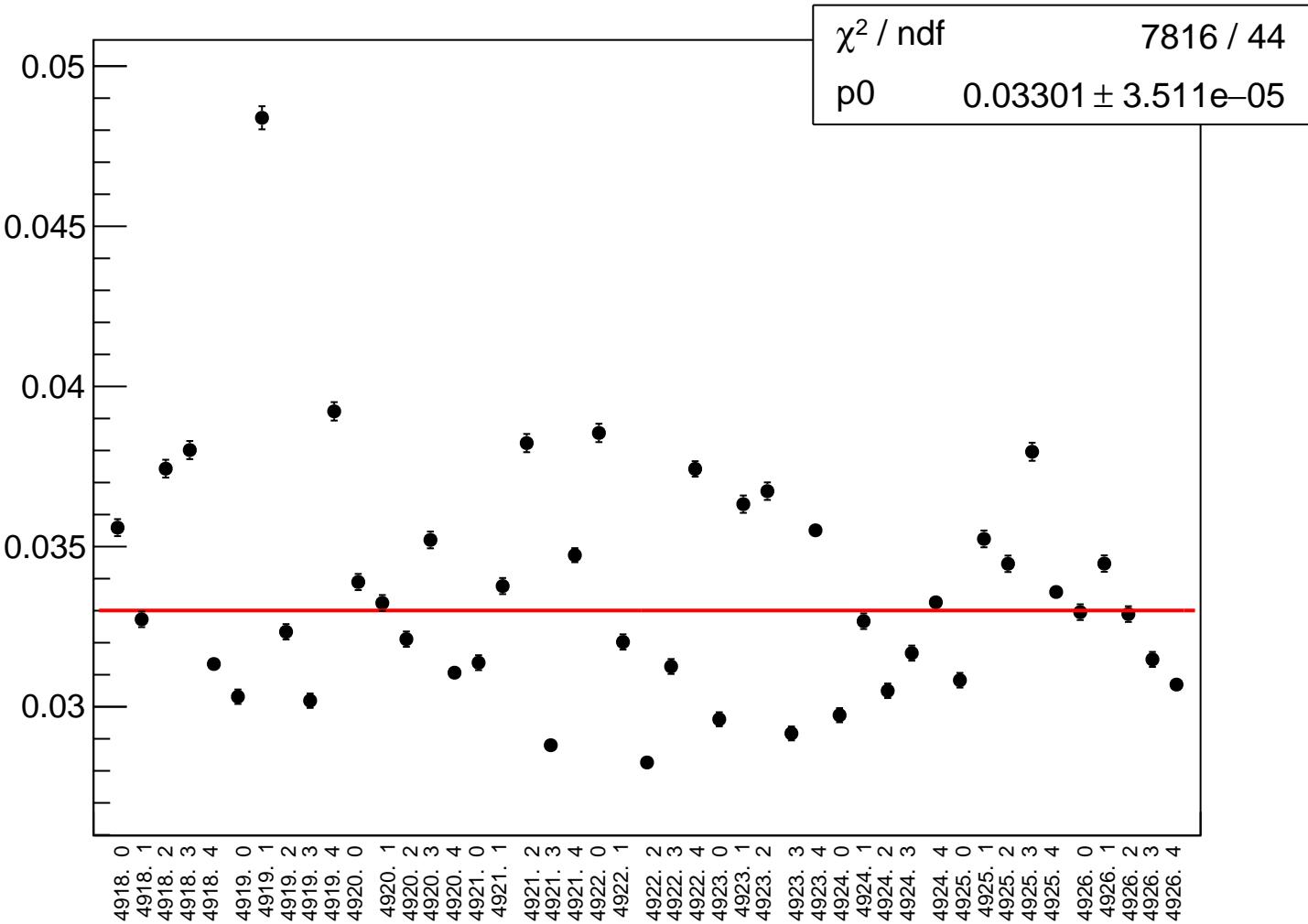
# yield\_bpm4aY\_rms vs run



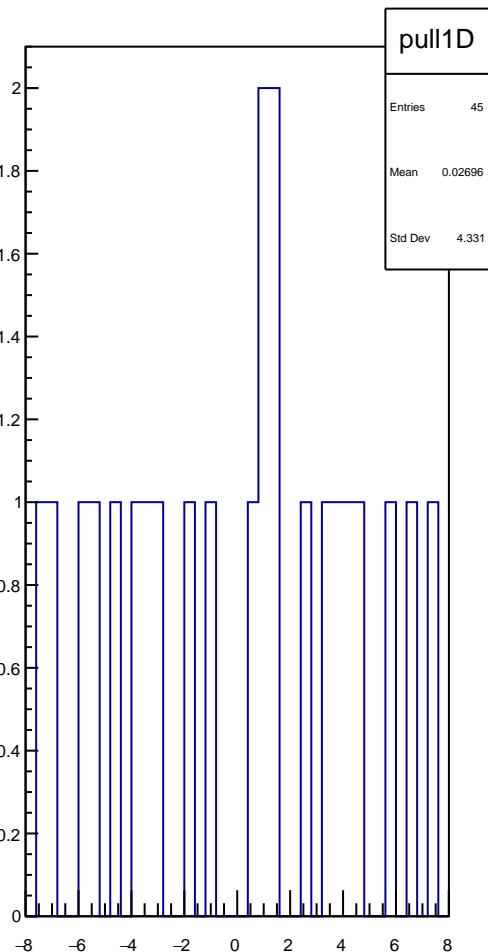
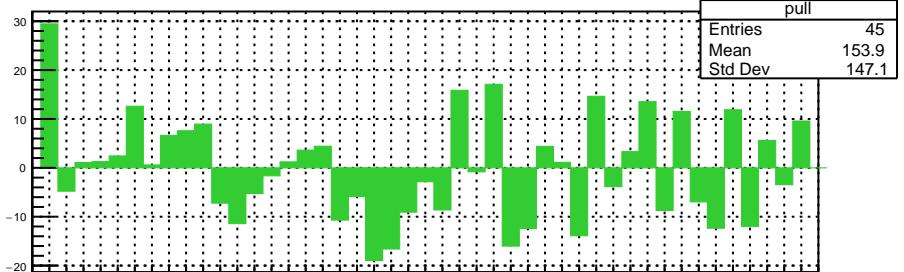
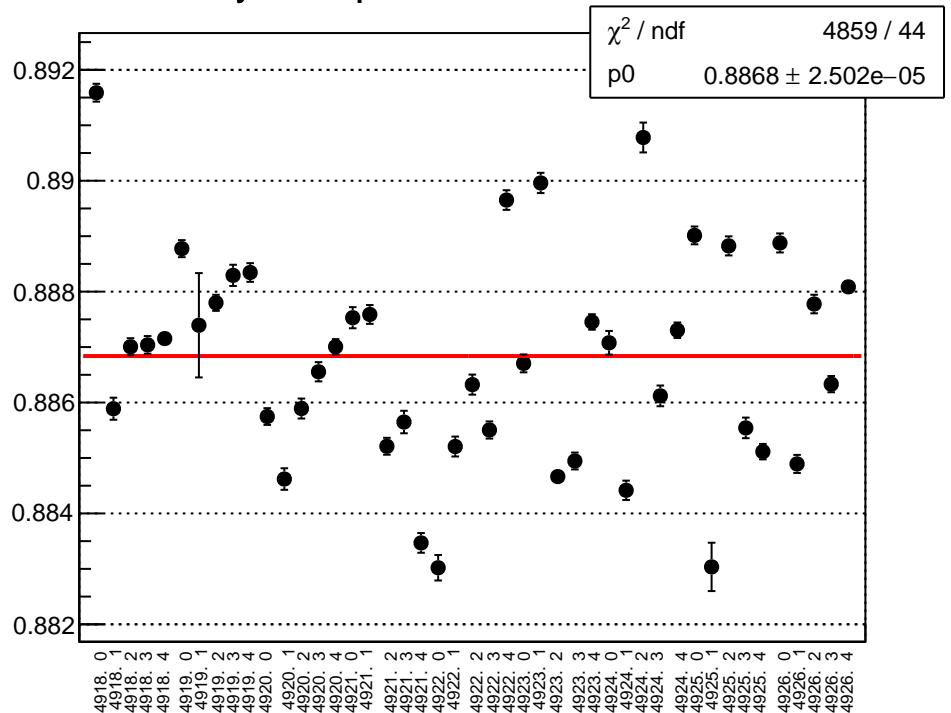
# yield\_bpm4eX\_mean vs run



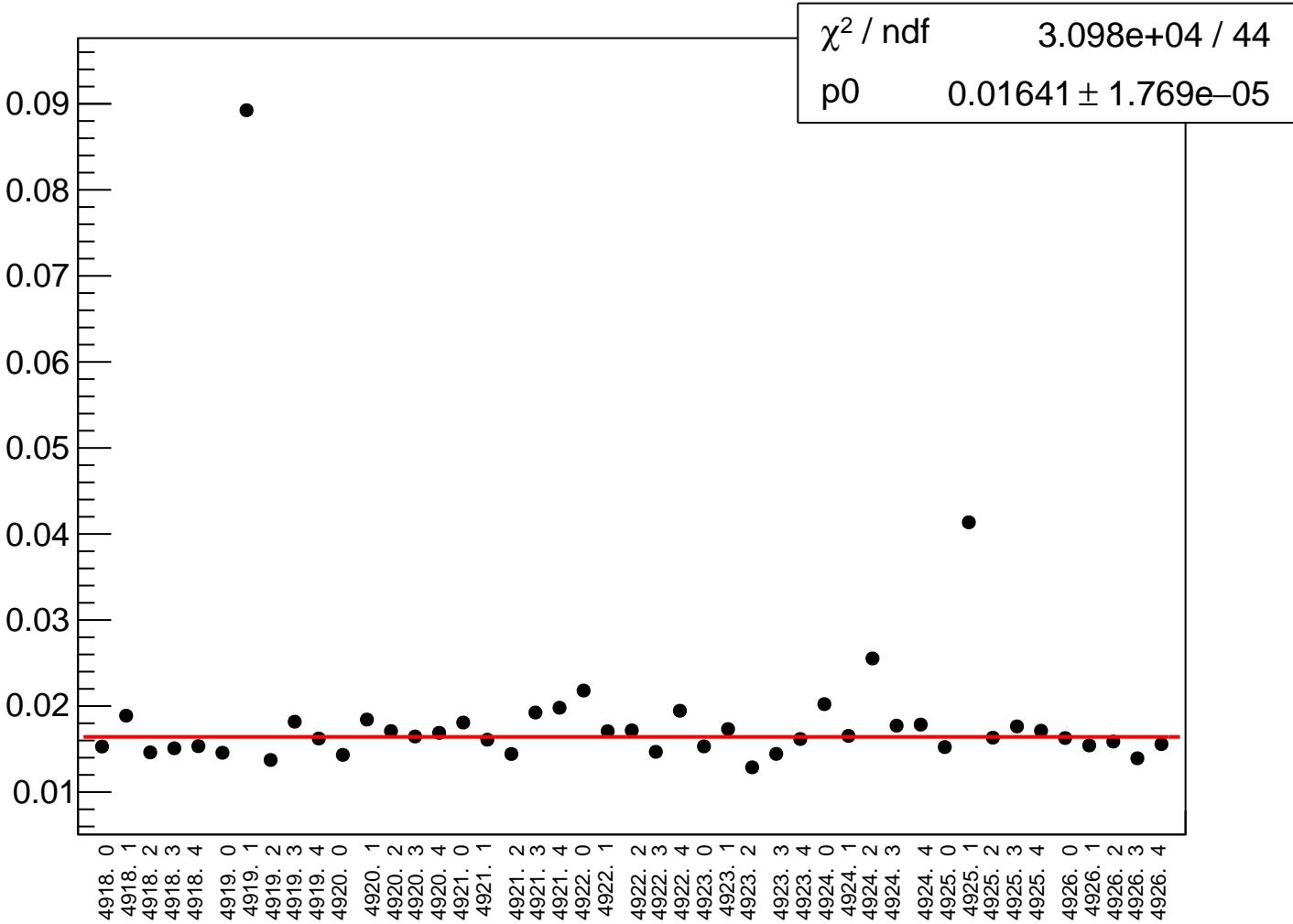
# yield\_bpm4eX\_rms vs run



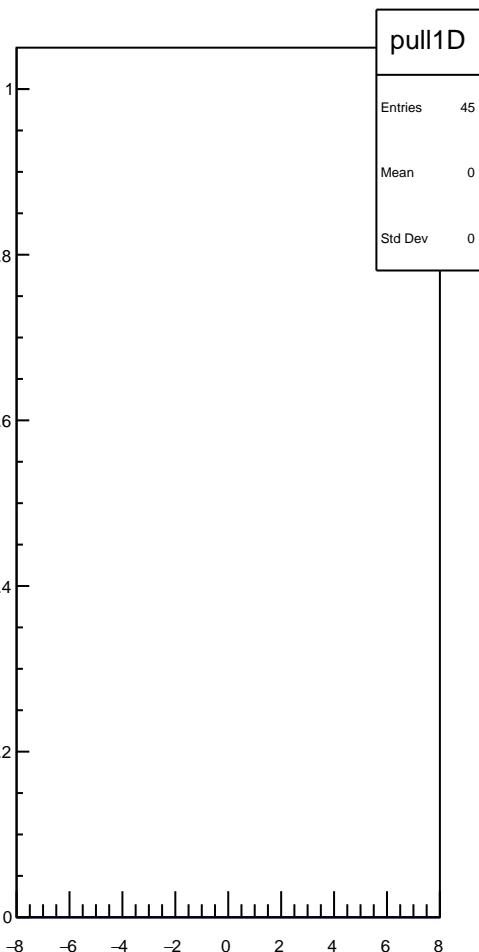
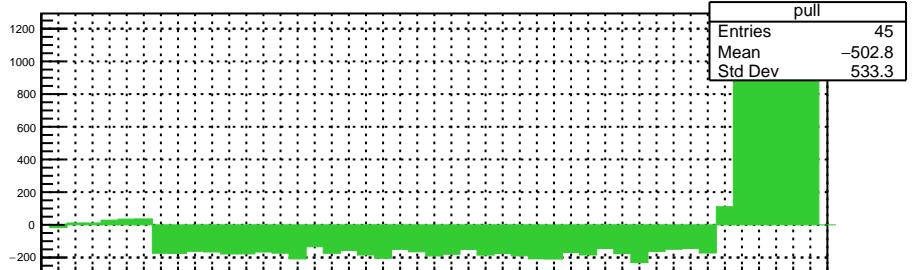
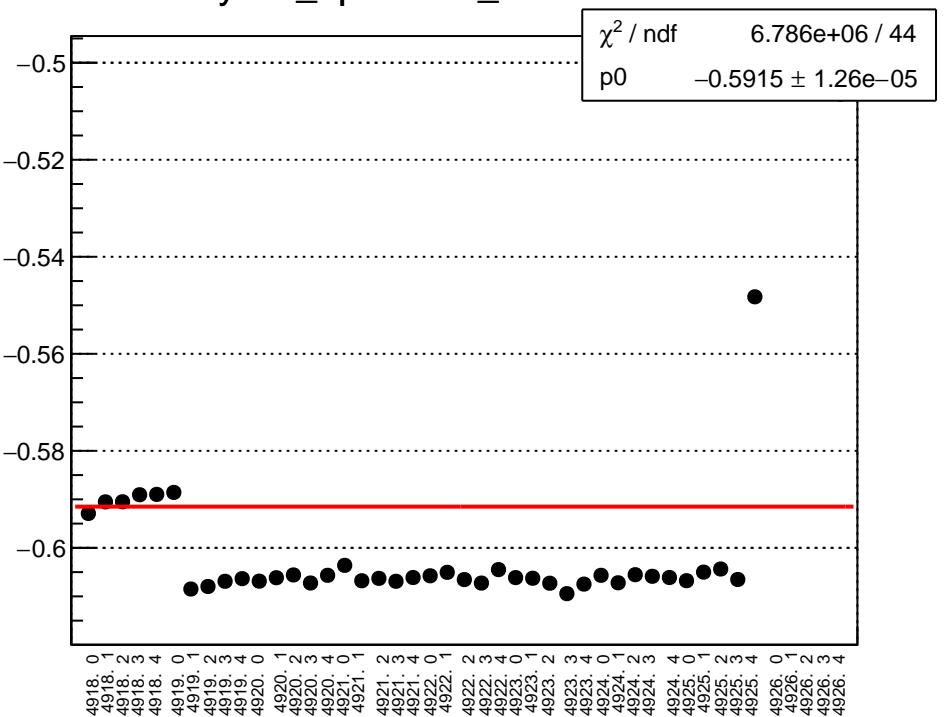
# yield\_bpm4eY\_mean vs run



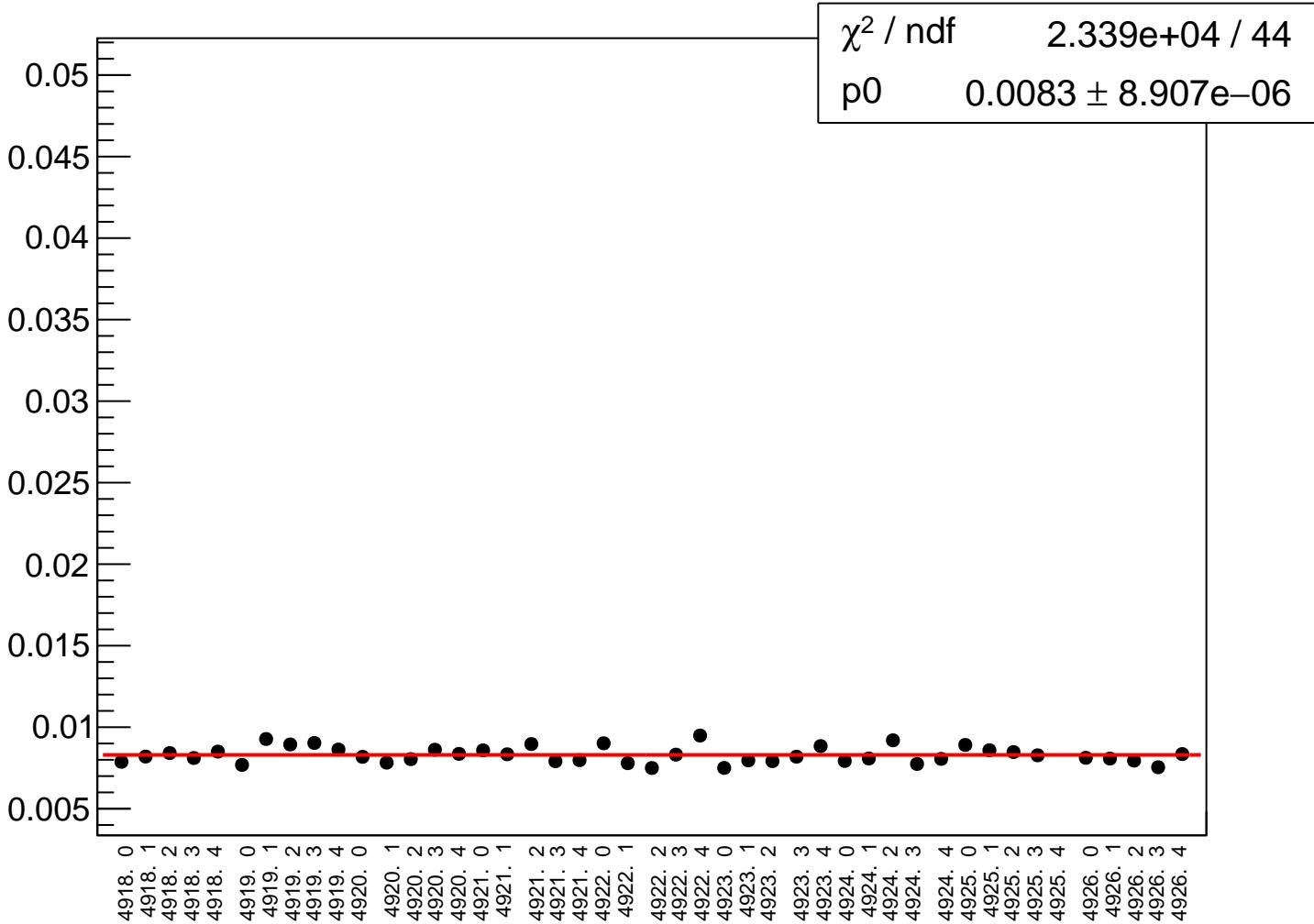
# yield\_bpm4eY\_rms vs run



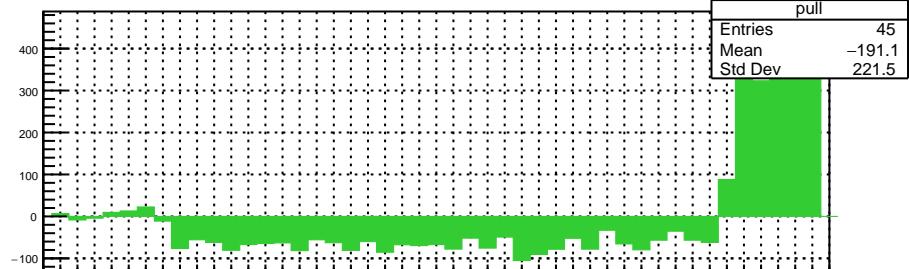
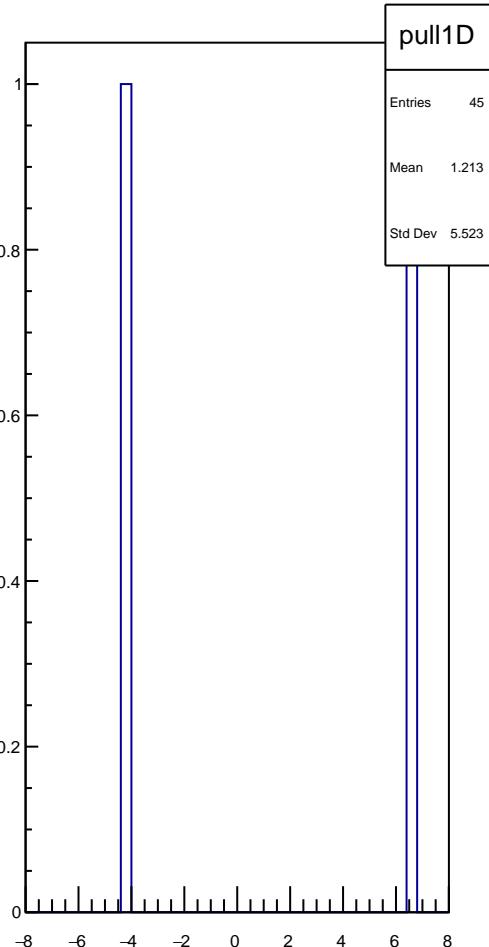
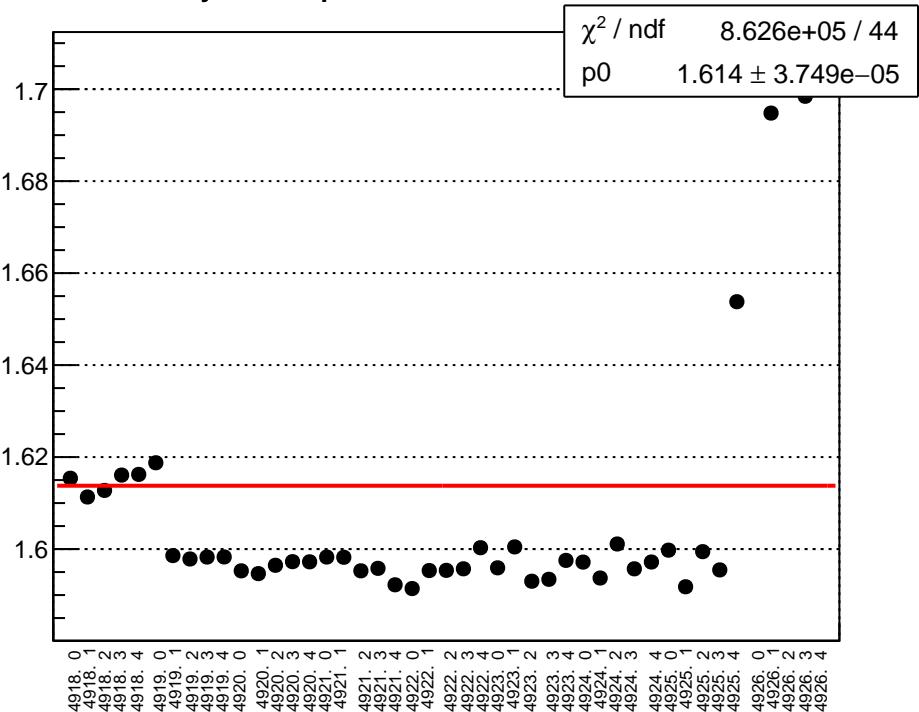
# yield\_bpm4acX\_mean vs run



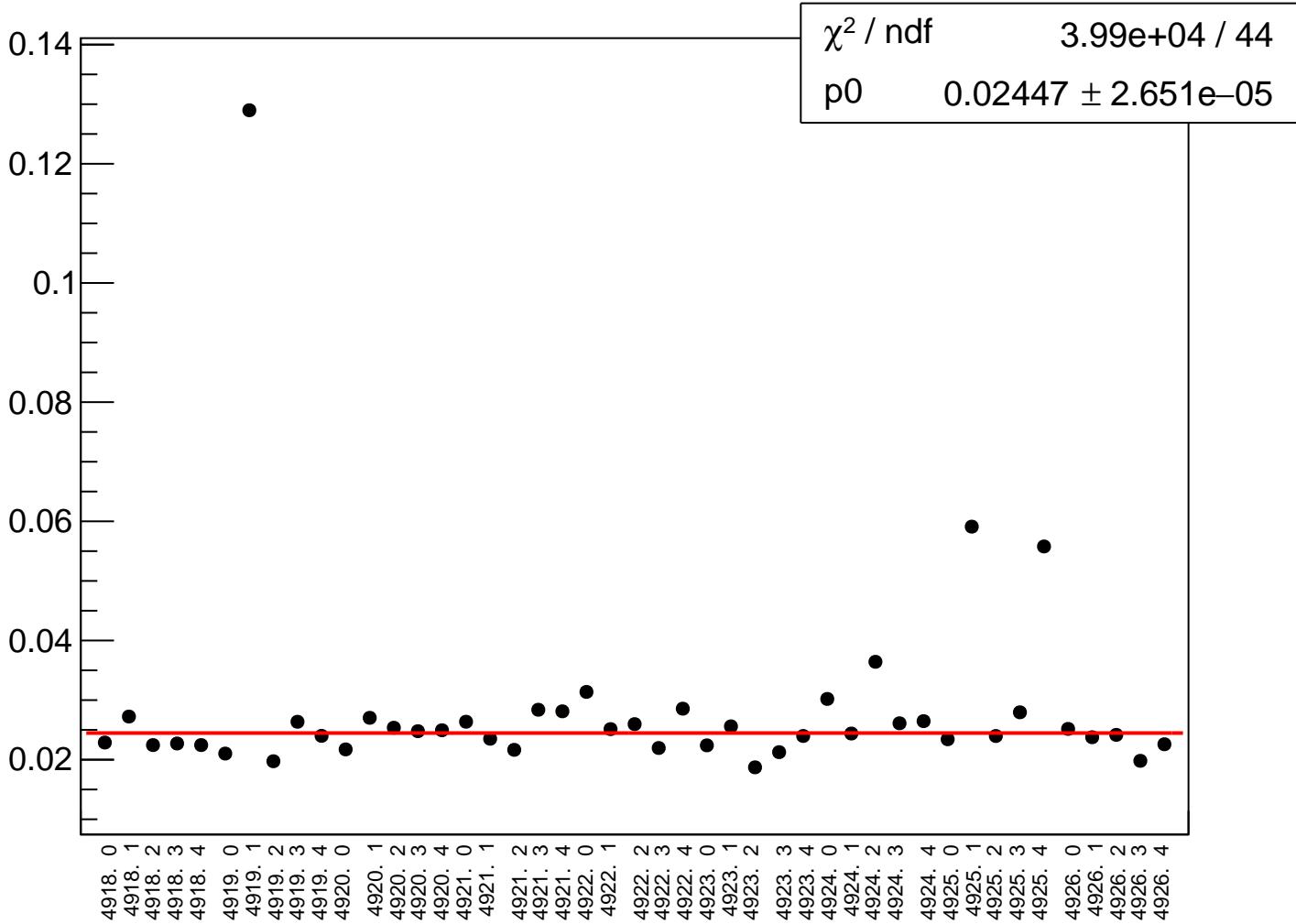
# yield\_bpm4acX\_rms vs run



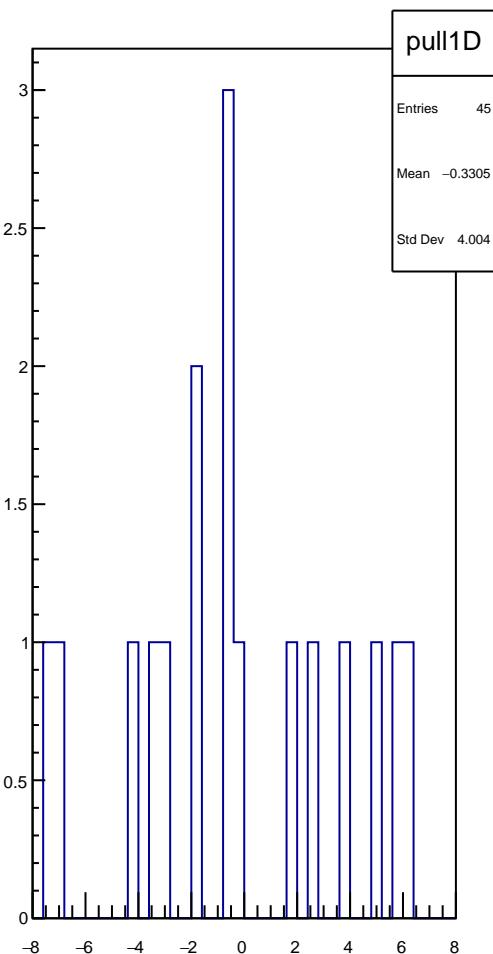
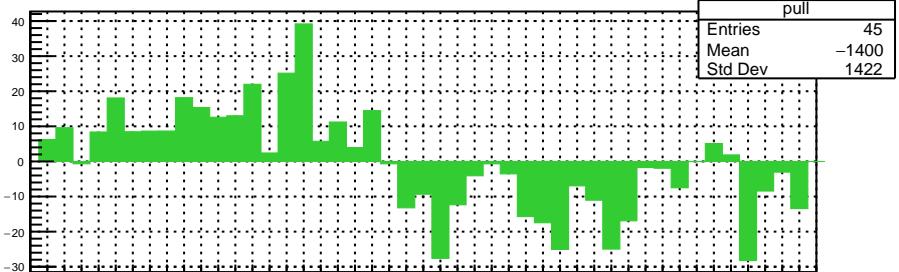
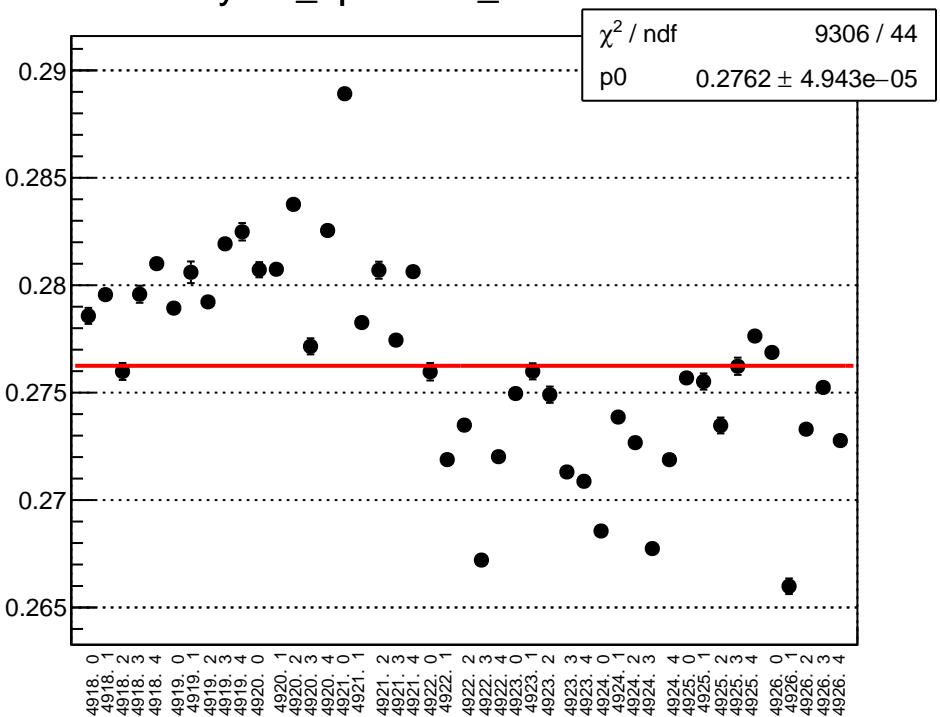
# yield\_bpm4acY\_mean vs run



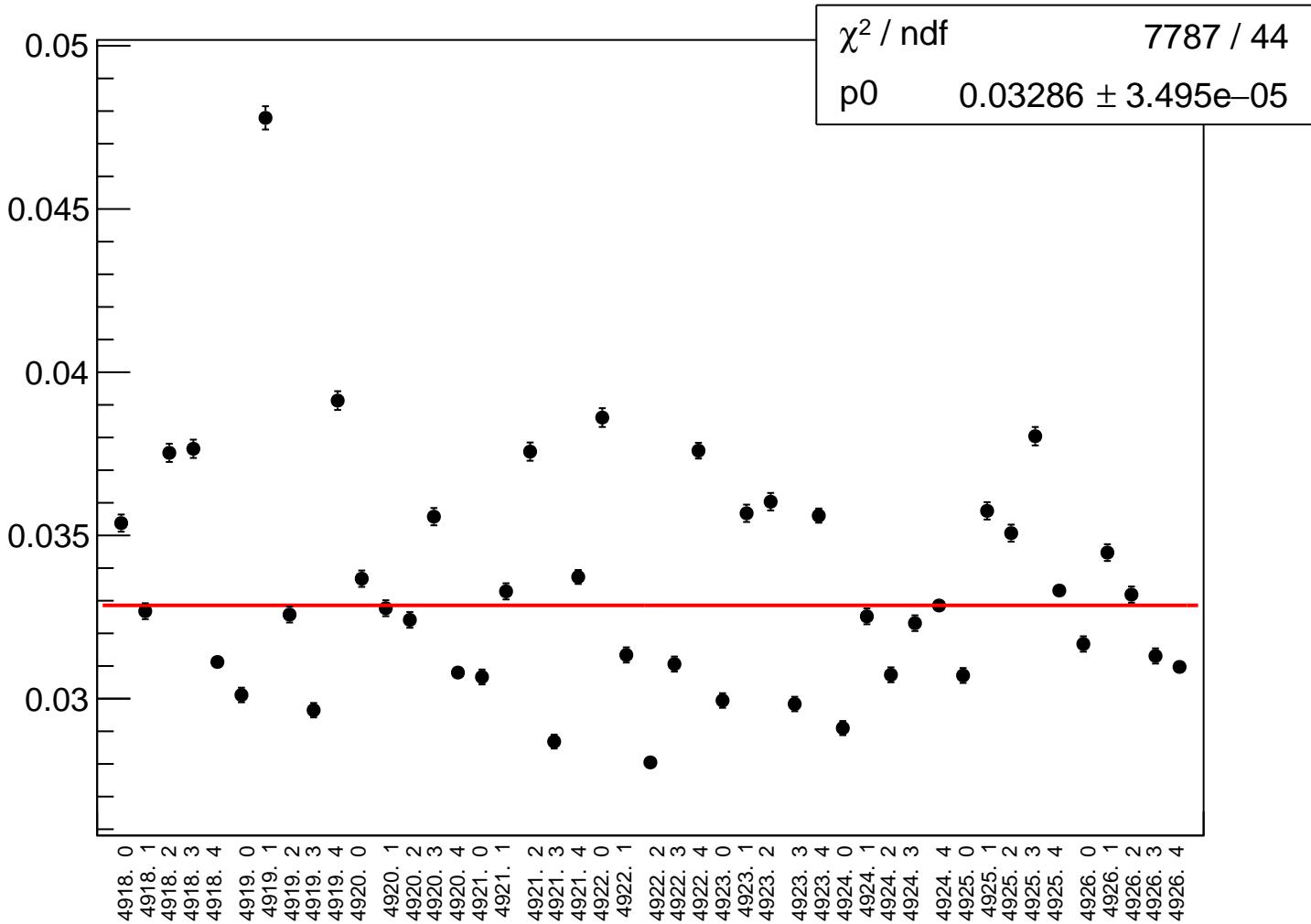
# yield\_bpm4acY\_rms vs run



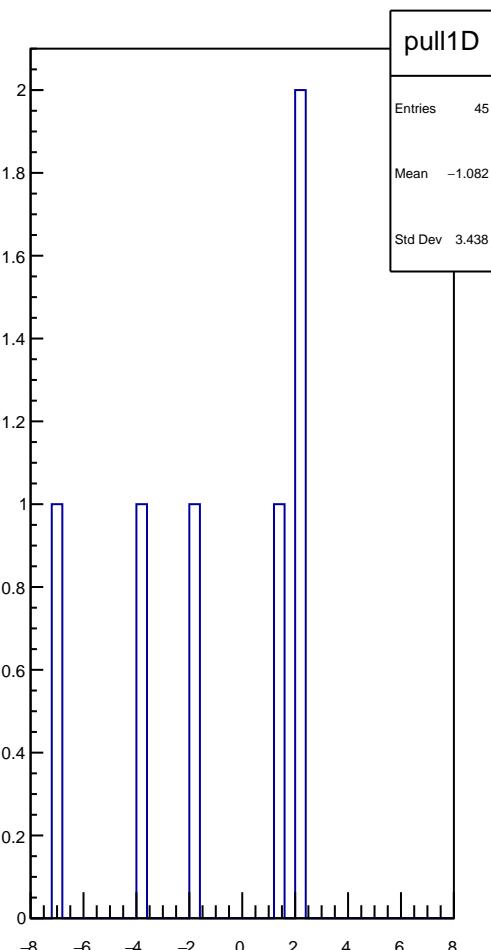
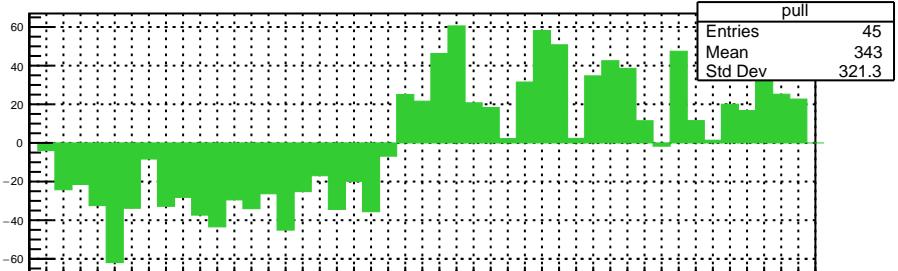
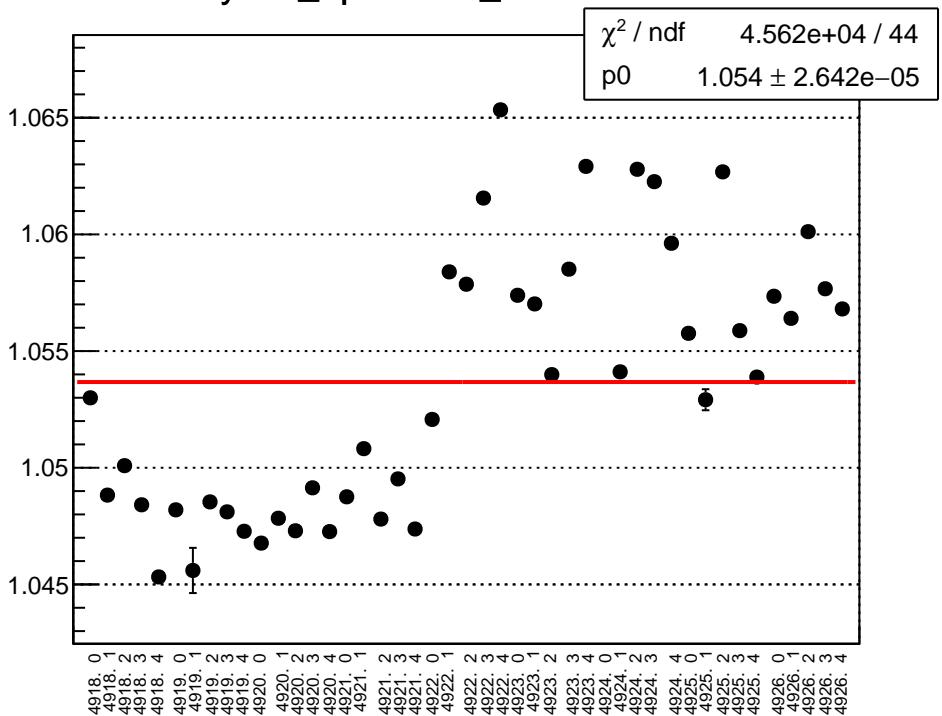
# yield\_bpm4ecX\_mean vs run



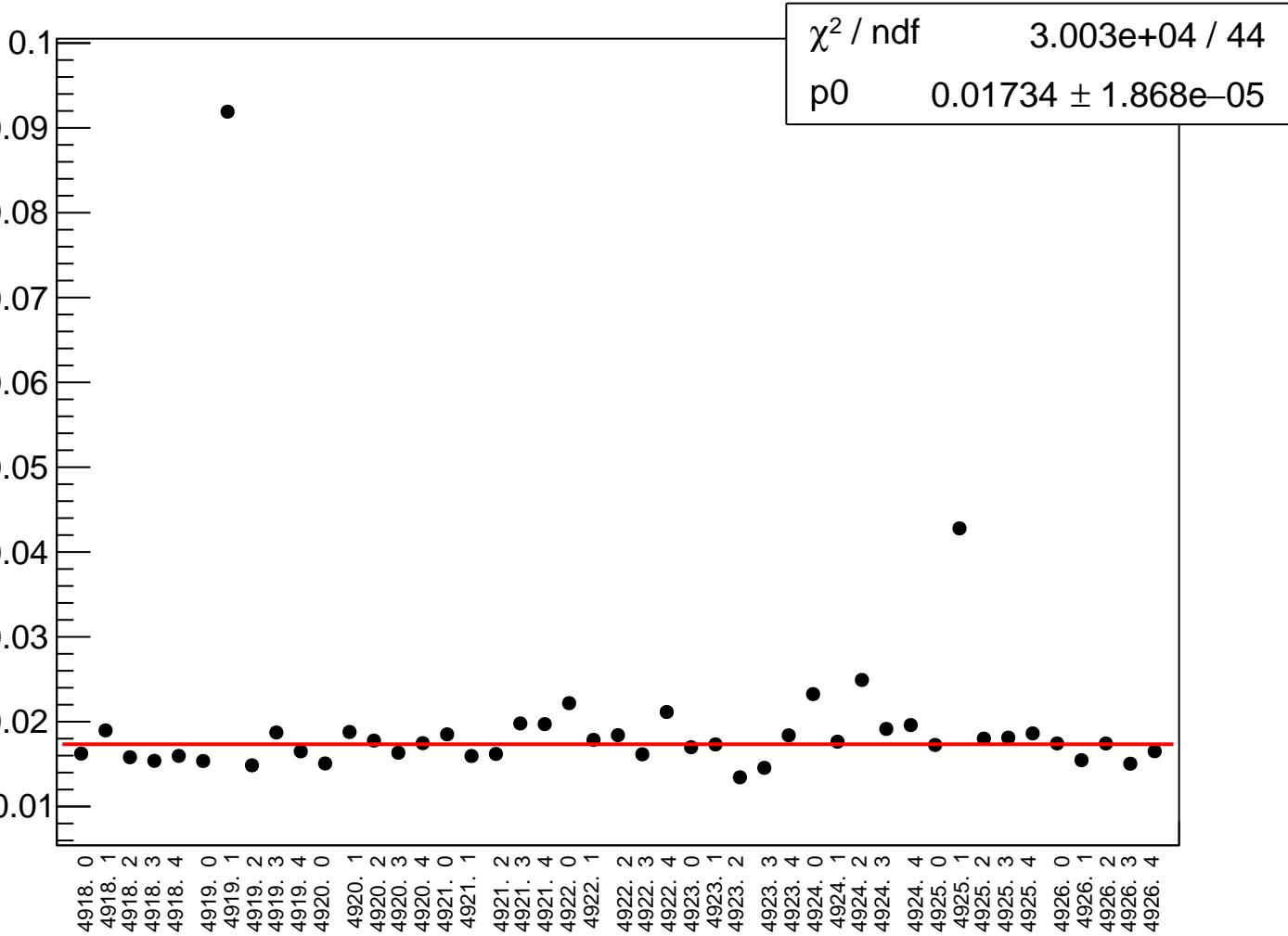
# yield\_bpm4ecX\_rms vs run



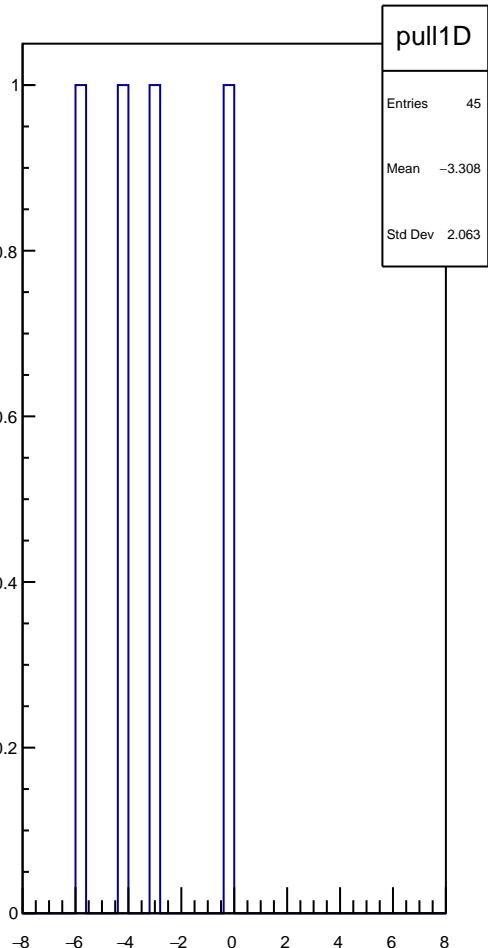
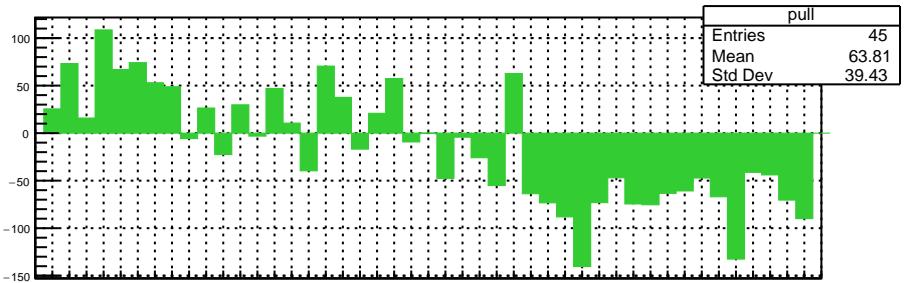
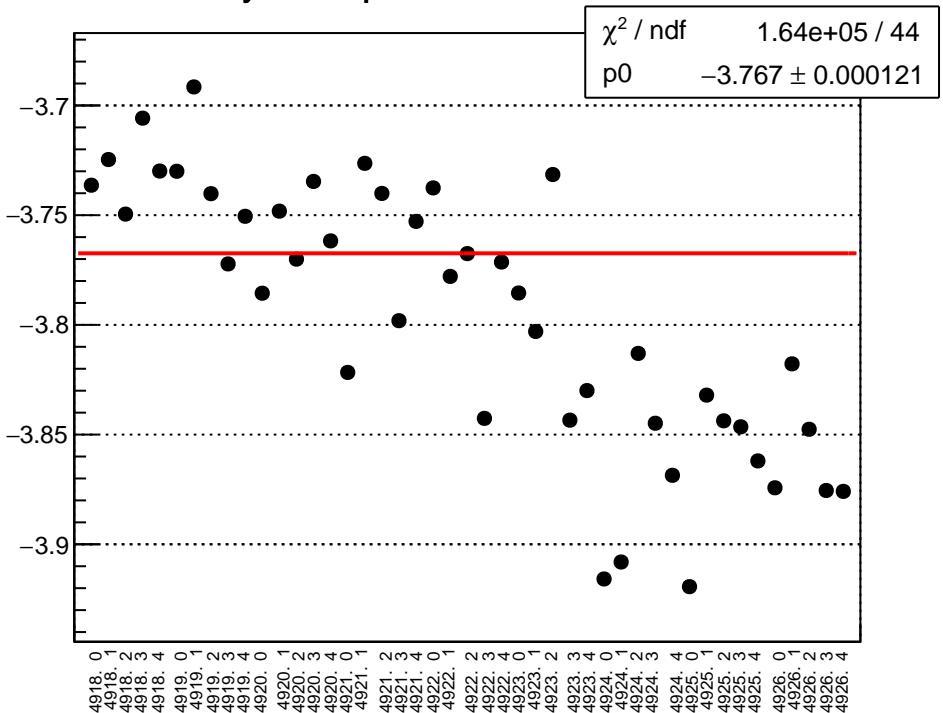
# yield\_bpm4ecY\_mean vs run



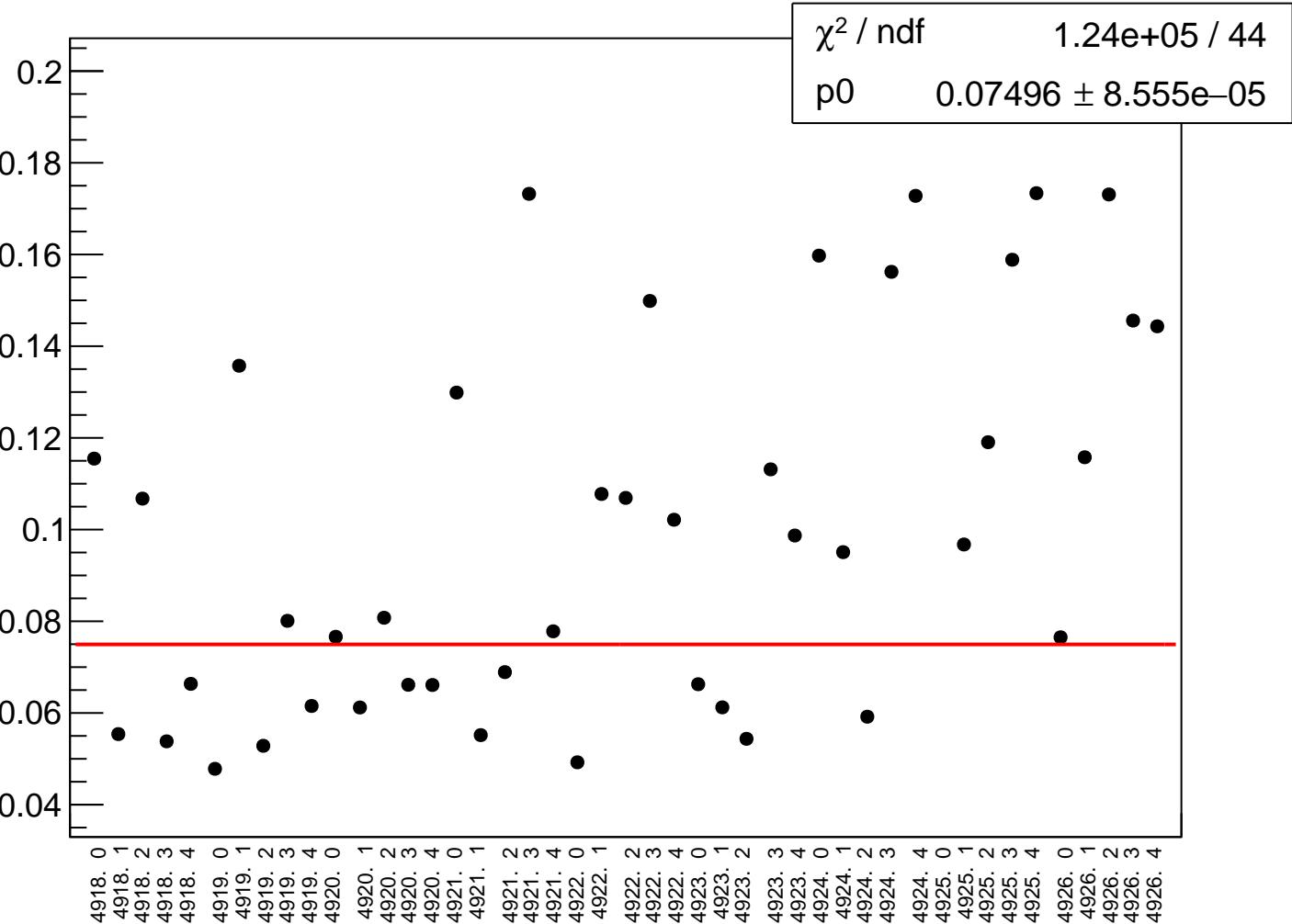
# yield\_bpm4ecY\_rms vs run



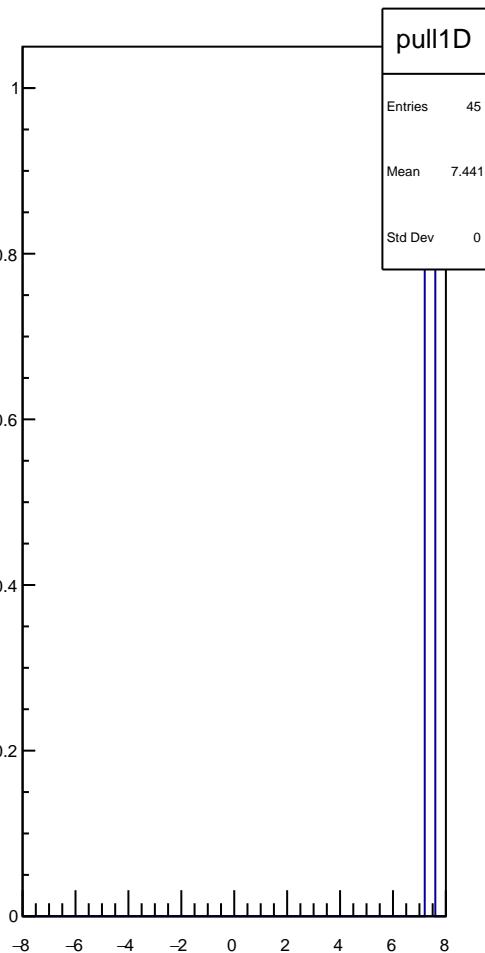
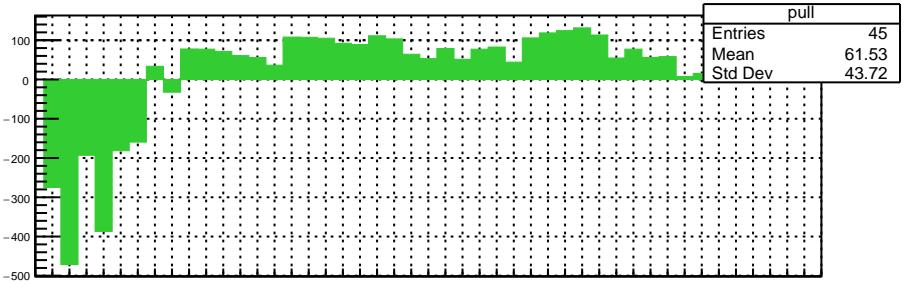
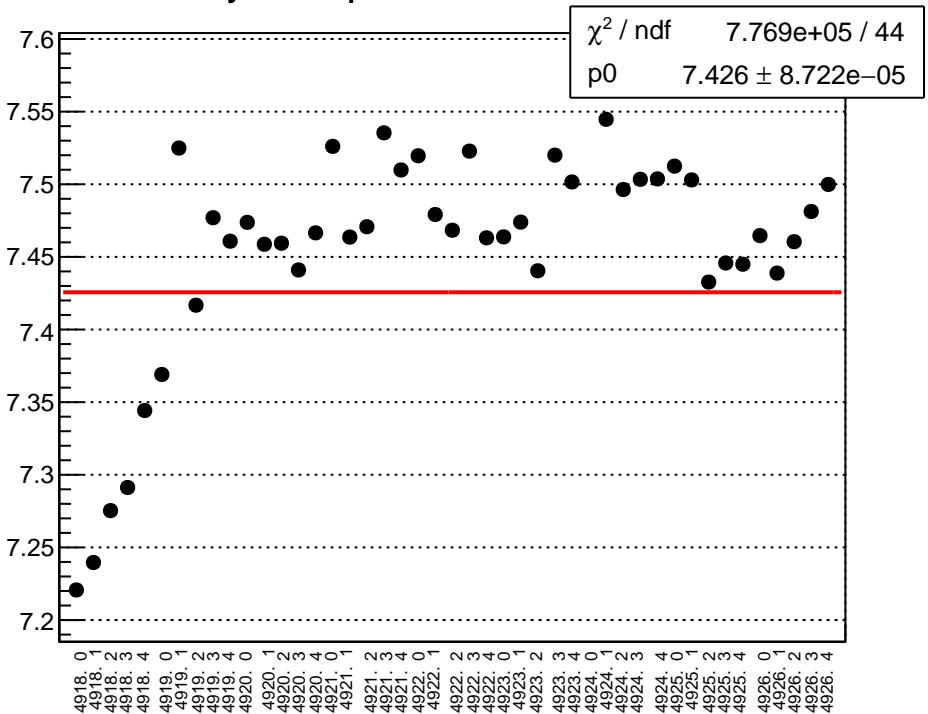
# yield\_bpm1X\_mean vs run



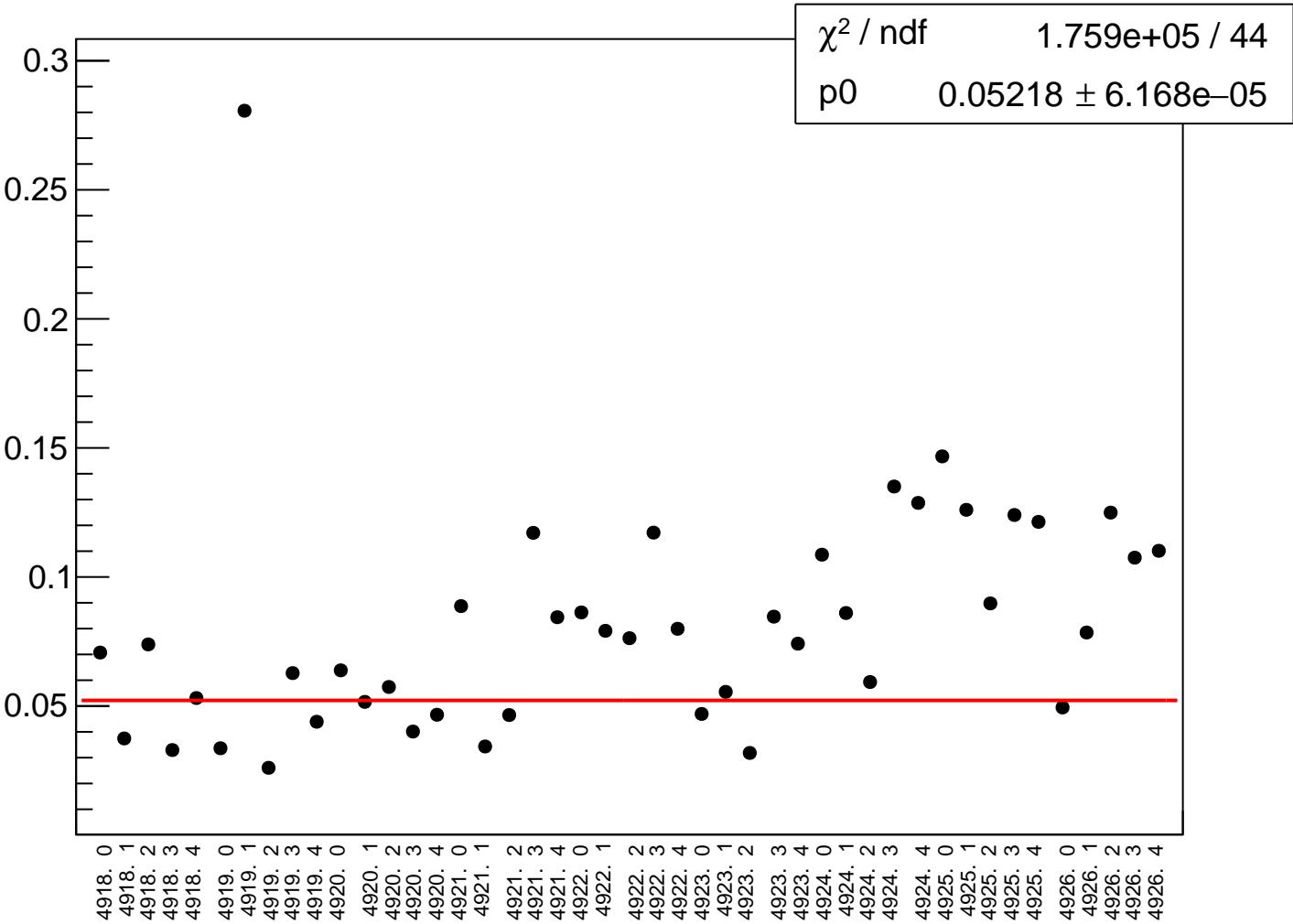
# yield\_bpm1X\_rms vs run



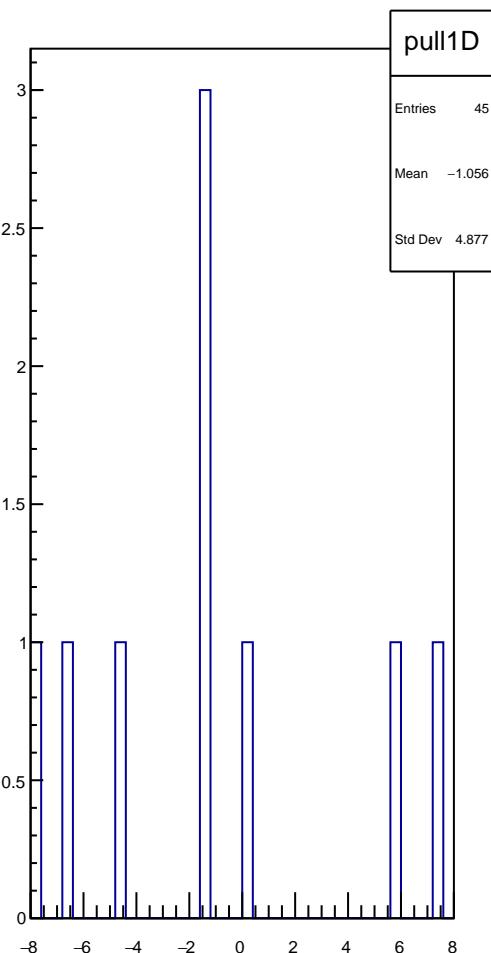
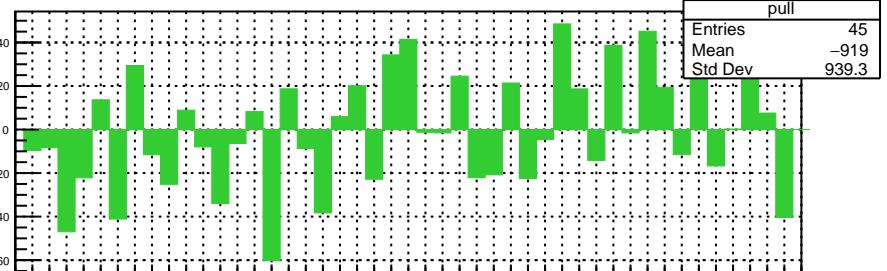
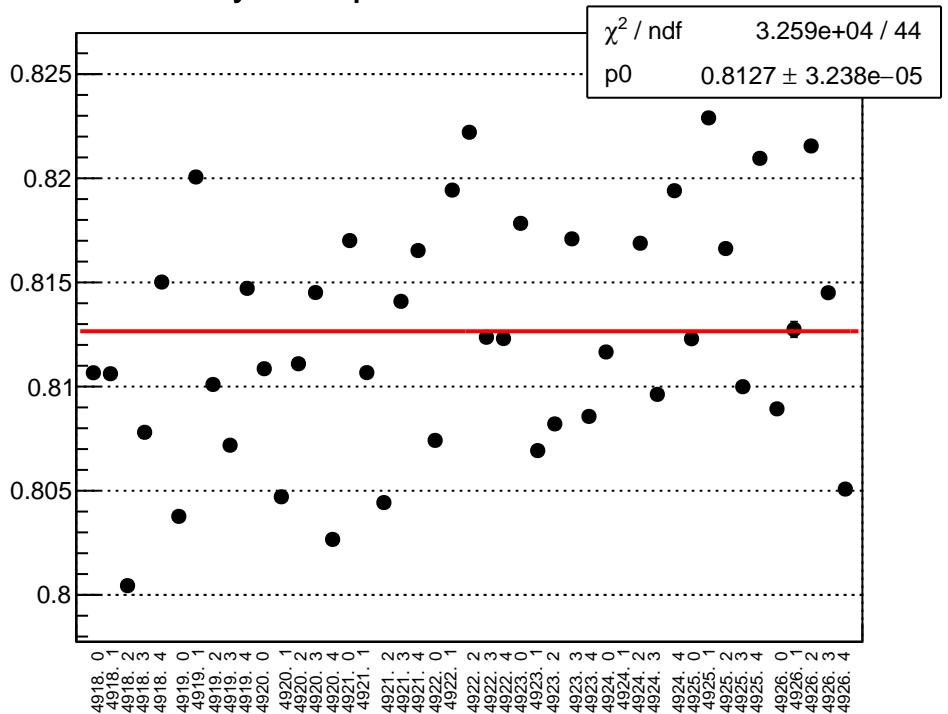
# yield\_bpm1Y\_mean vs run



# yield\_bpm1Y\_rms vs run



# yield\_bpm11X\_mean vs run

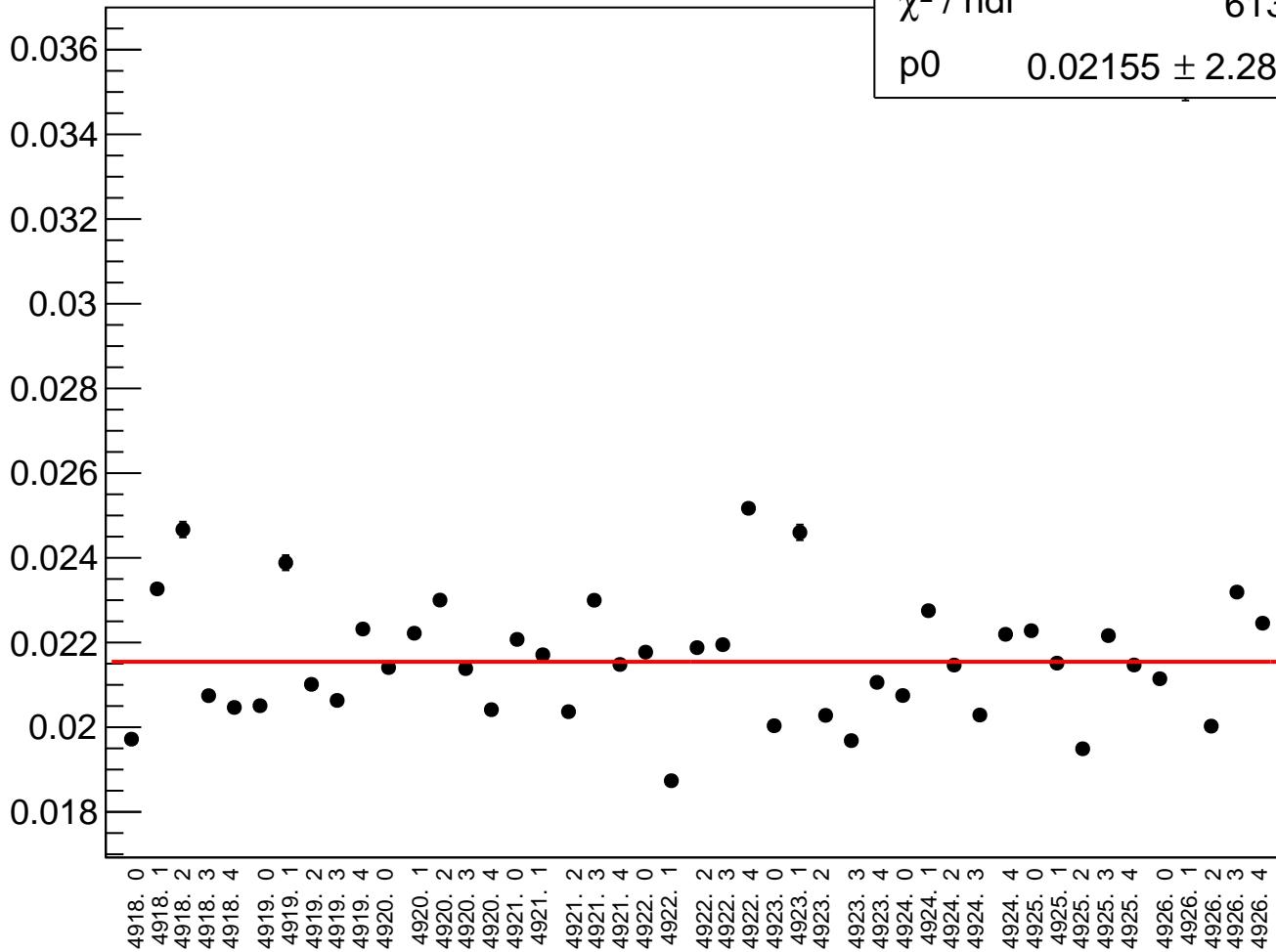


# yield\_bpm11X\_rms vs run

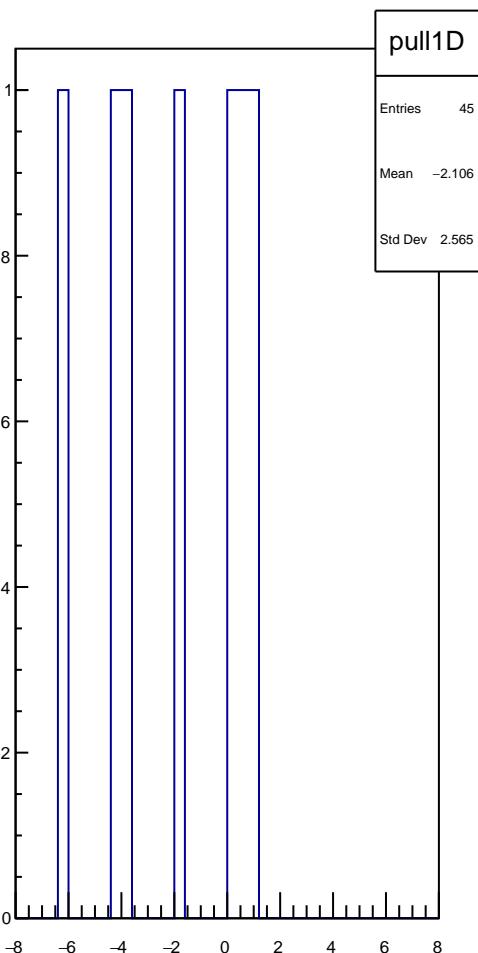
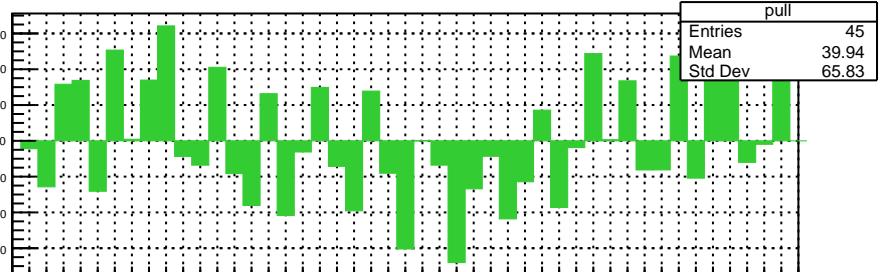
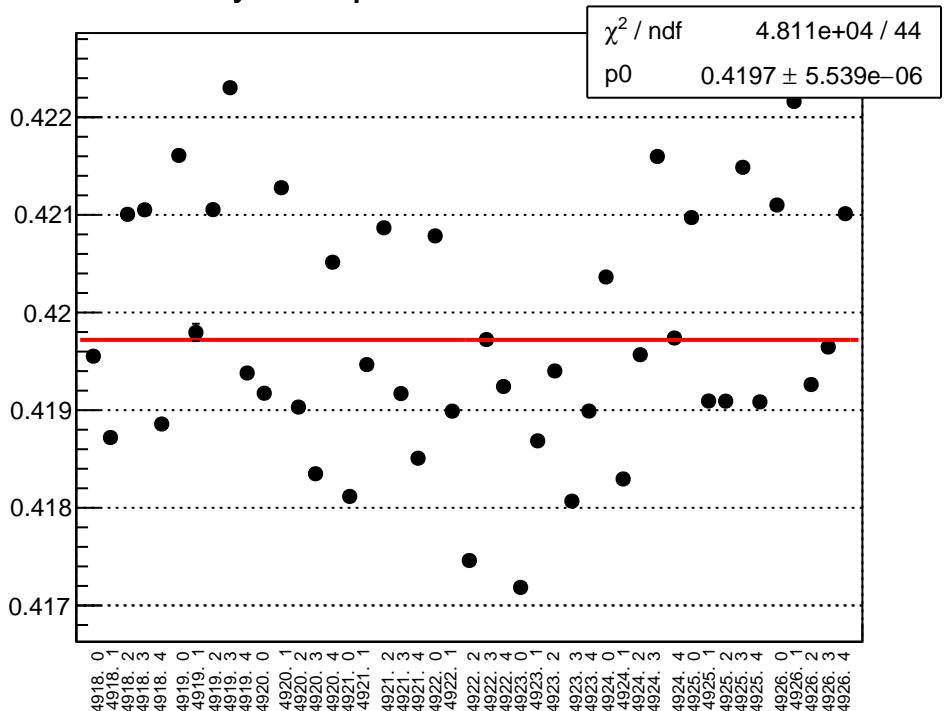
$\chi^2 / \text{ndf}$

6134 / 44

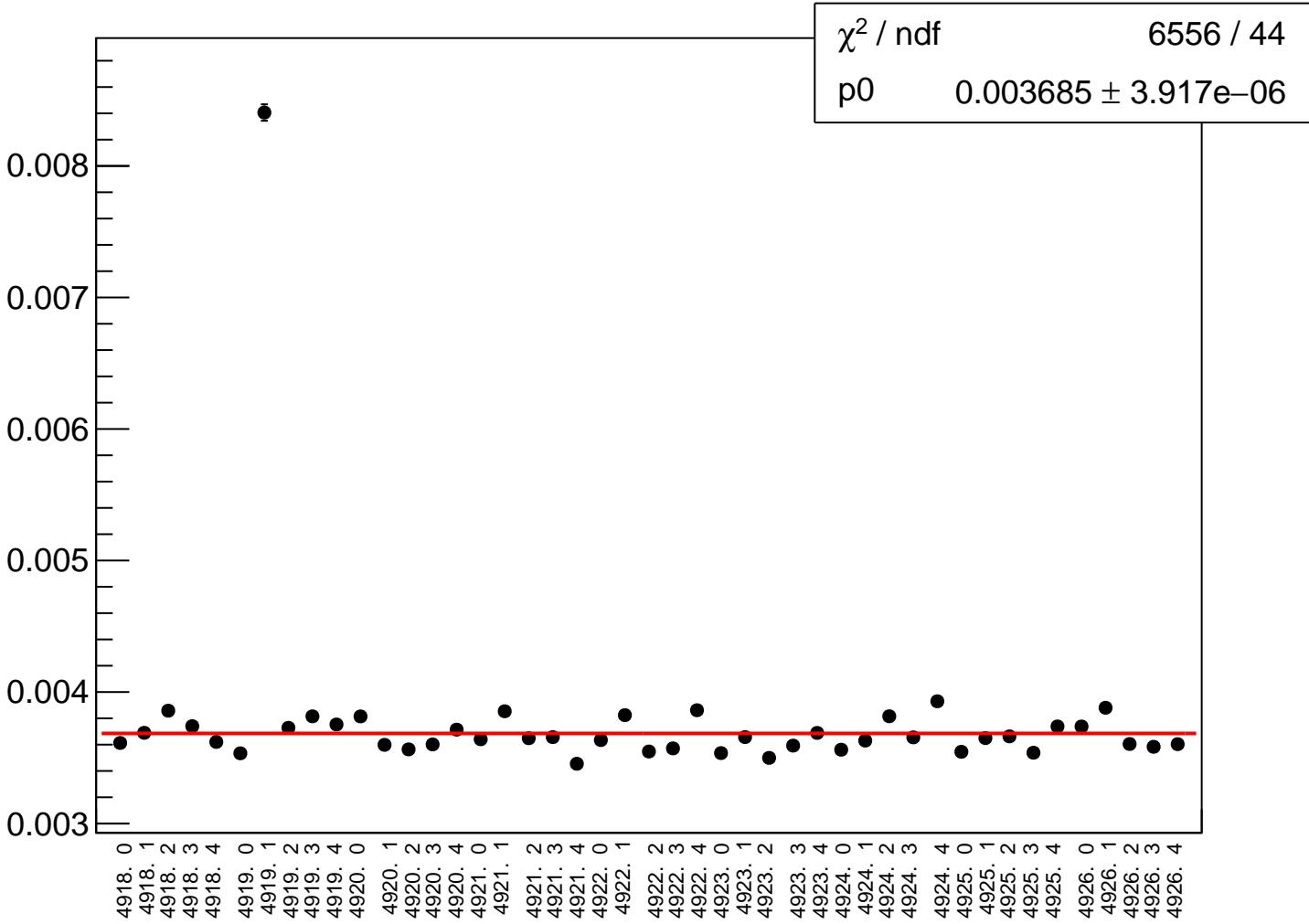
p0  $0.02155 \pm 2.289 \times 10^{-5}$



# yield\_bpm11Y\_mean vs run

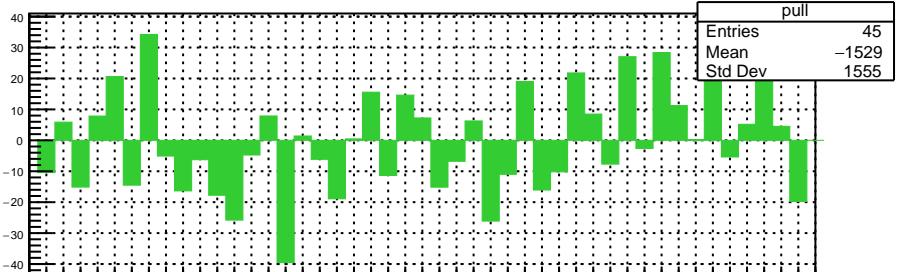
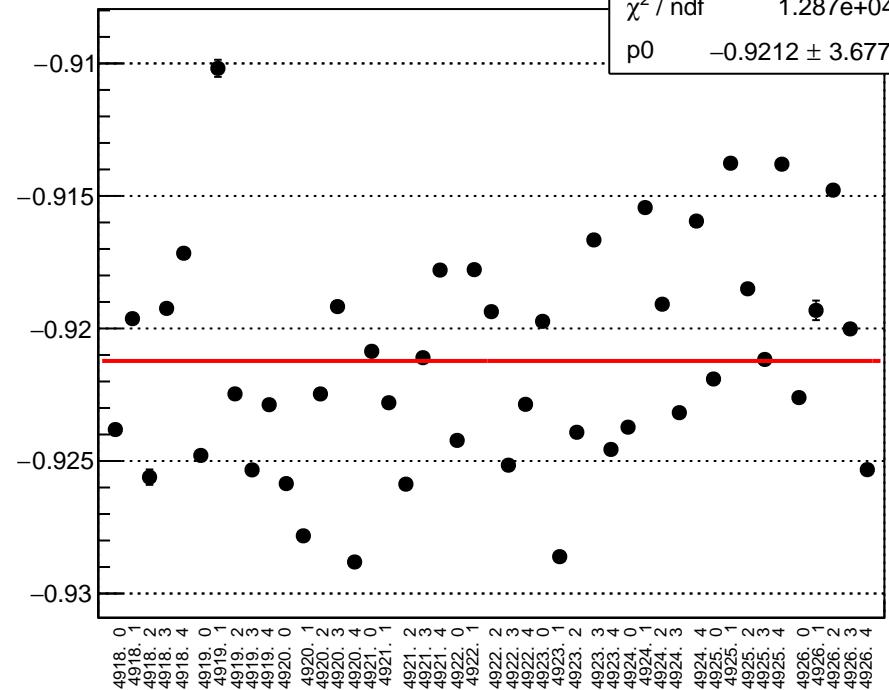


# yield\_bpm11Y\_rms vs run



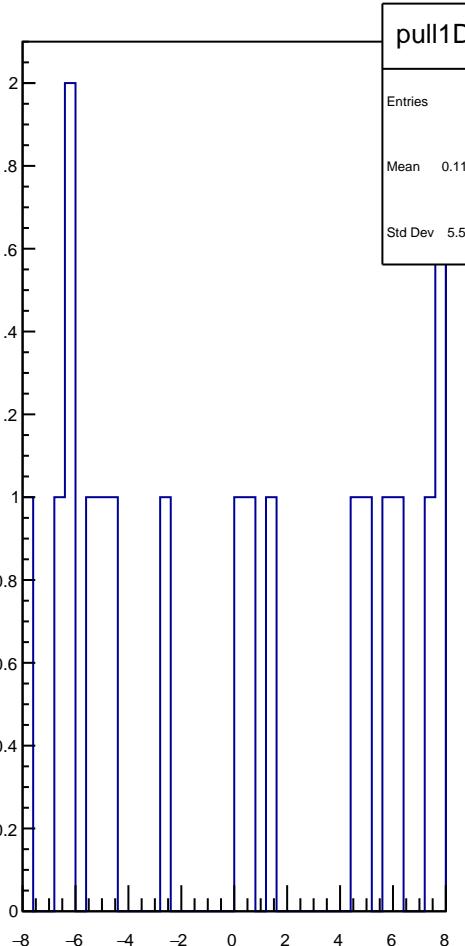
# yield\_bpm12X\_mean vs run

$\chi^2 / \text{ndf}$  1.287e+04 / 44  
 p0  $-0.9212 \pm 3.677\text{e}{-}05$

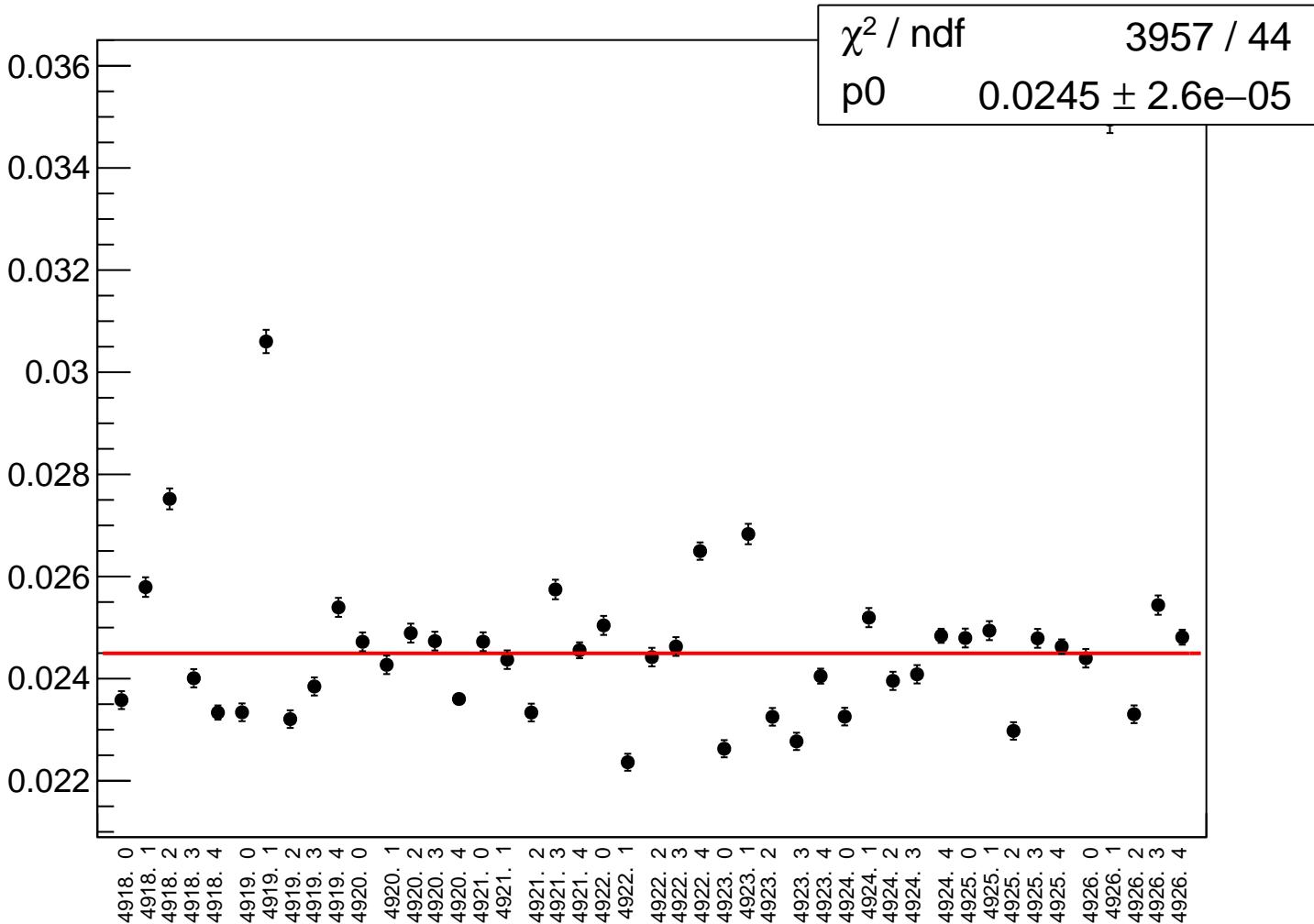


pull1D

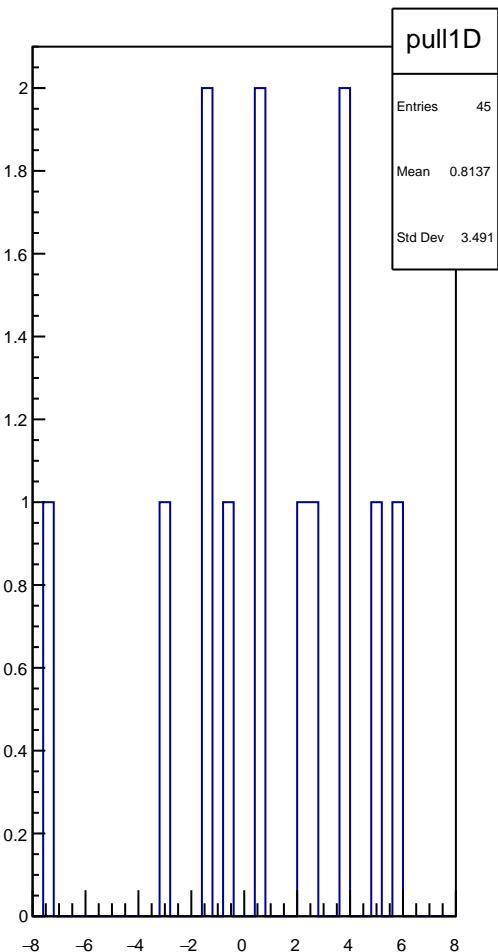
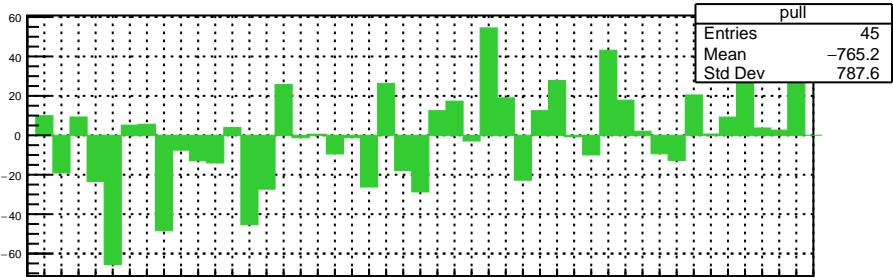
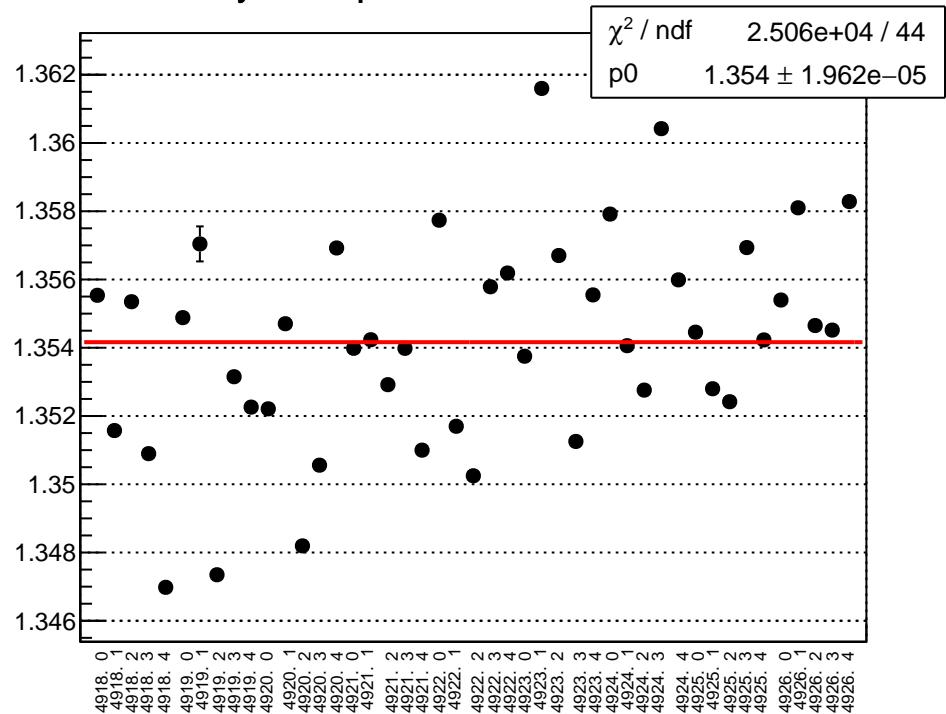
Entries 45  
 Mean 0.1199  
 Std Dev 5.599



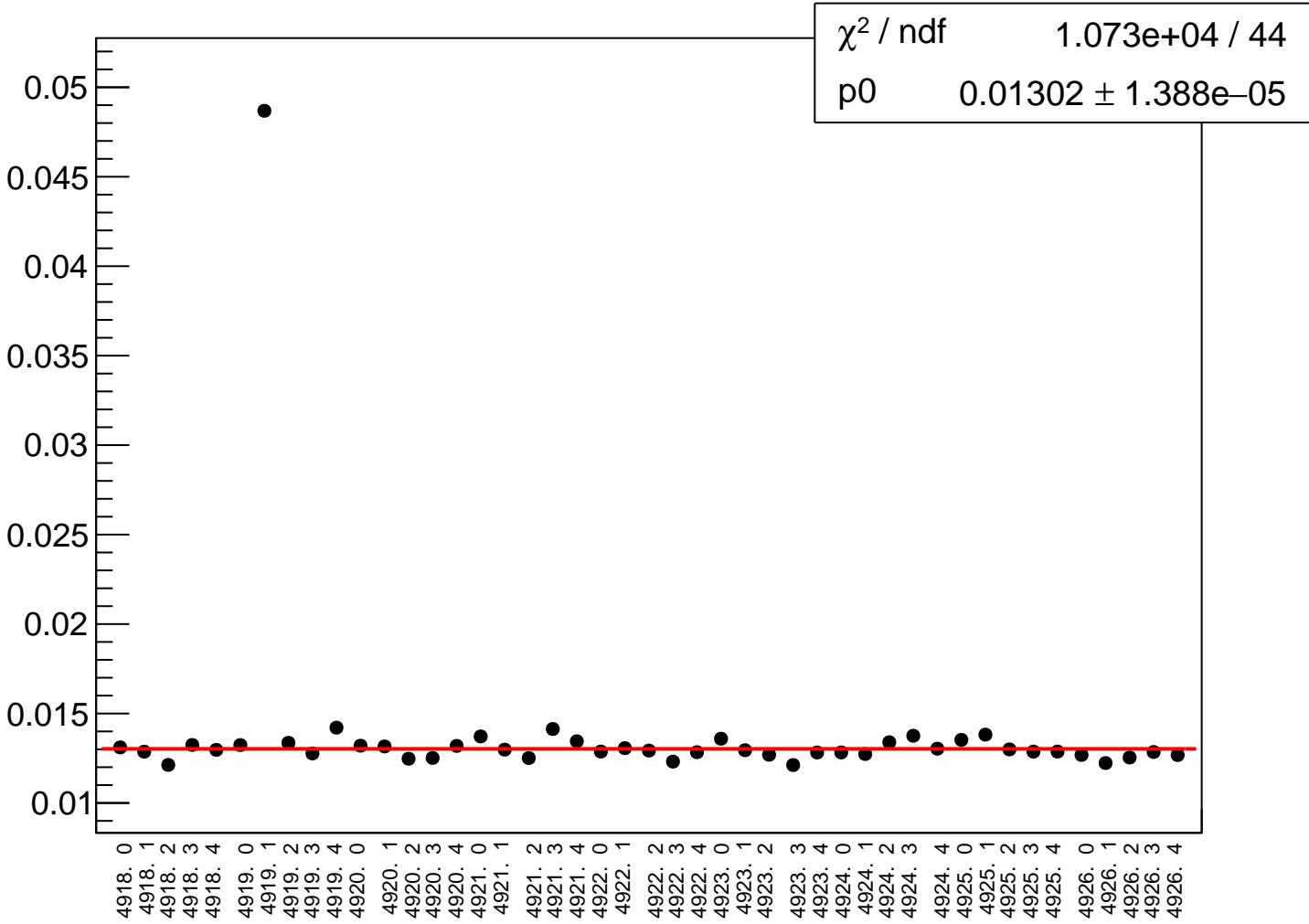
# yield\_bpm12X\_rms vs run



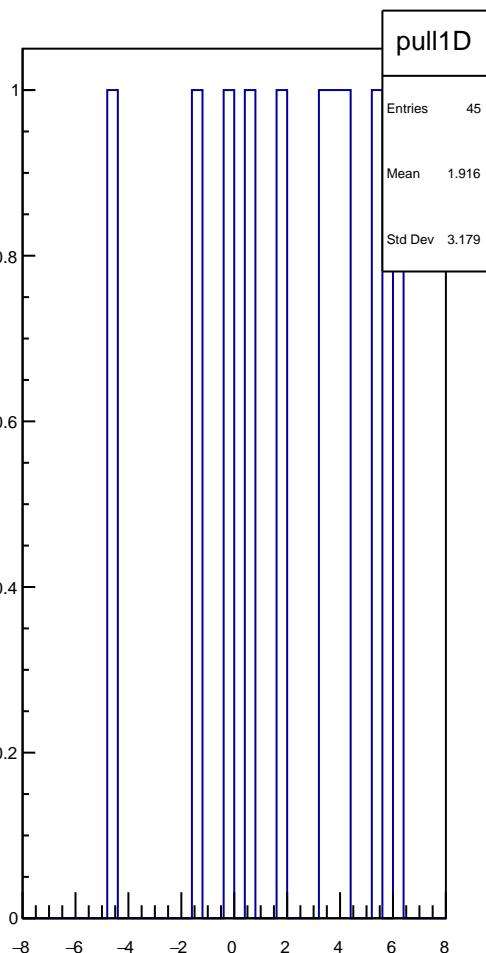
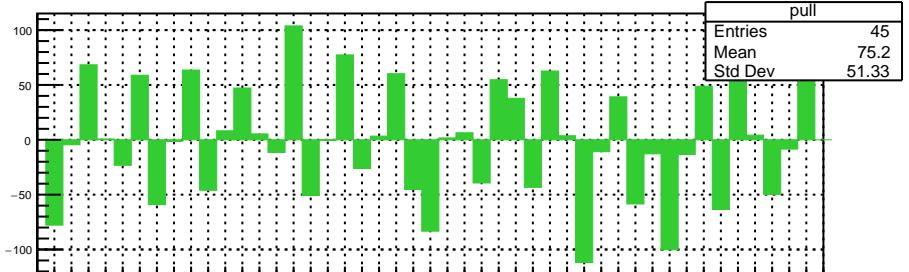
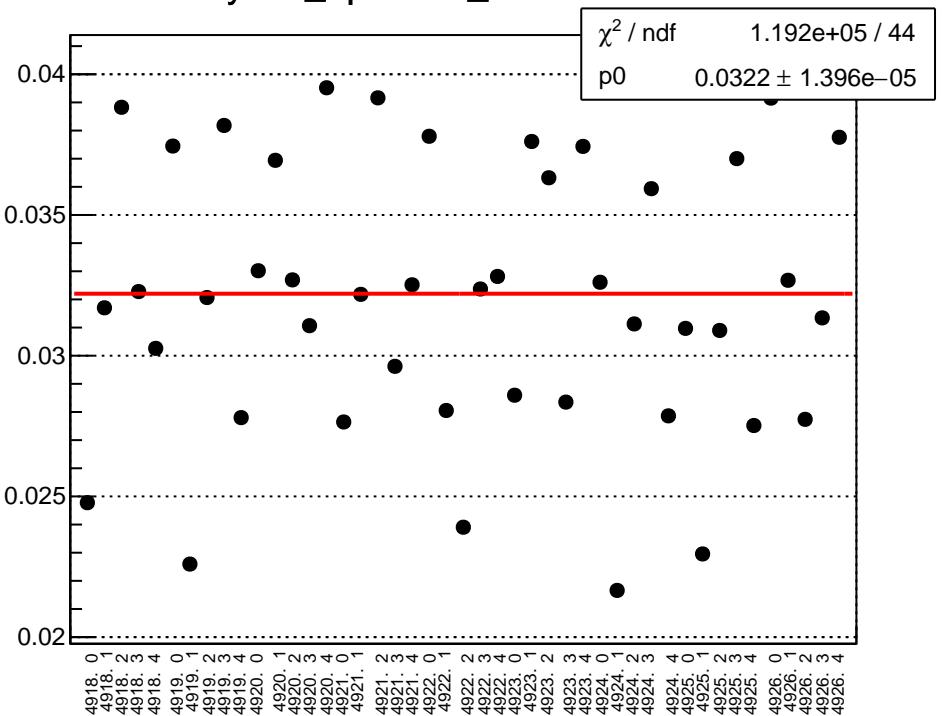
# yield\_bpm12Y\_mean vs run



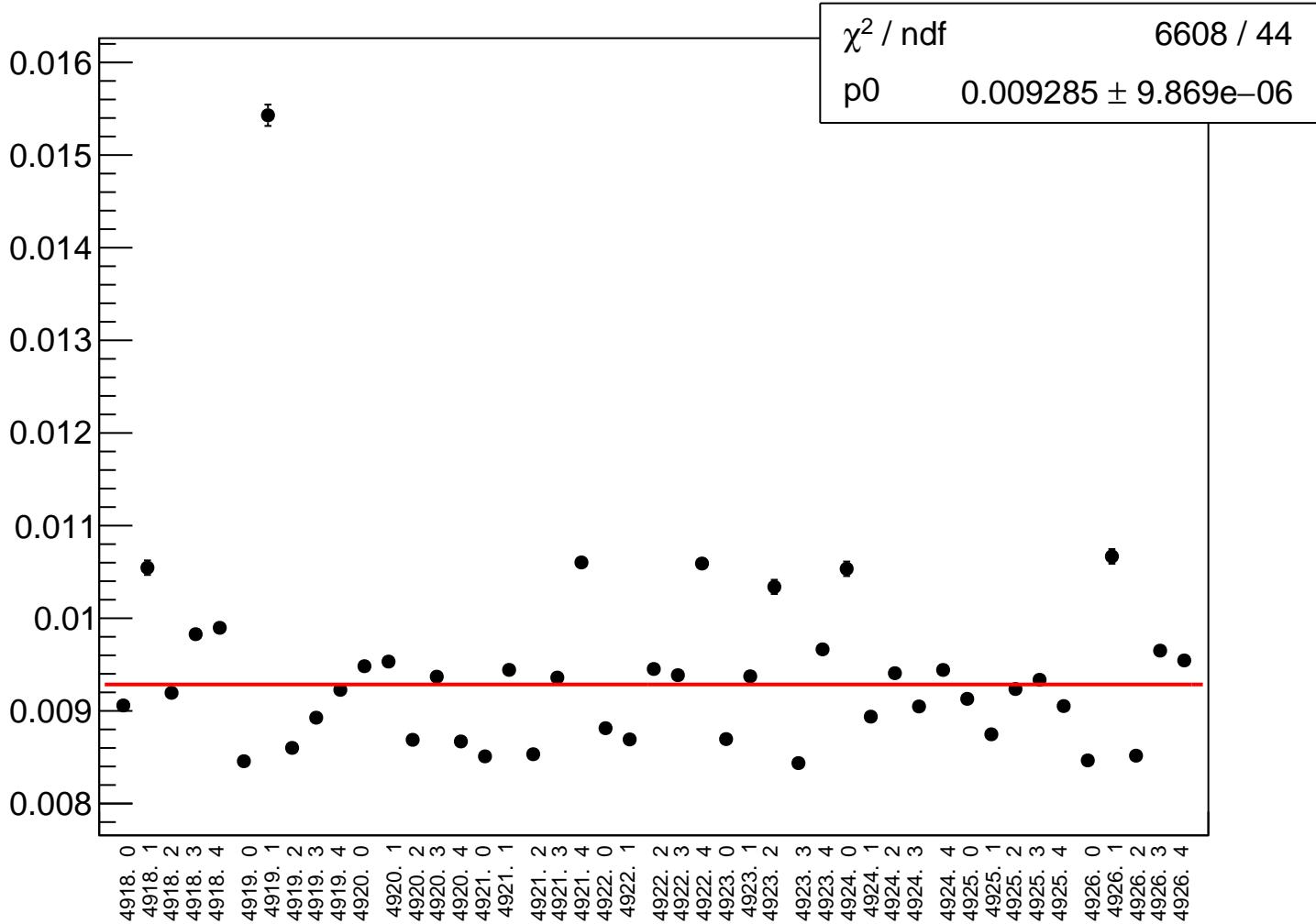
# yield\_bpm12Y\_rms vs run



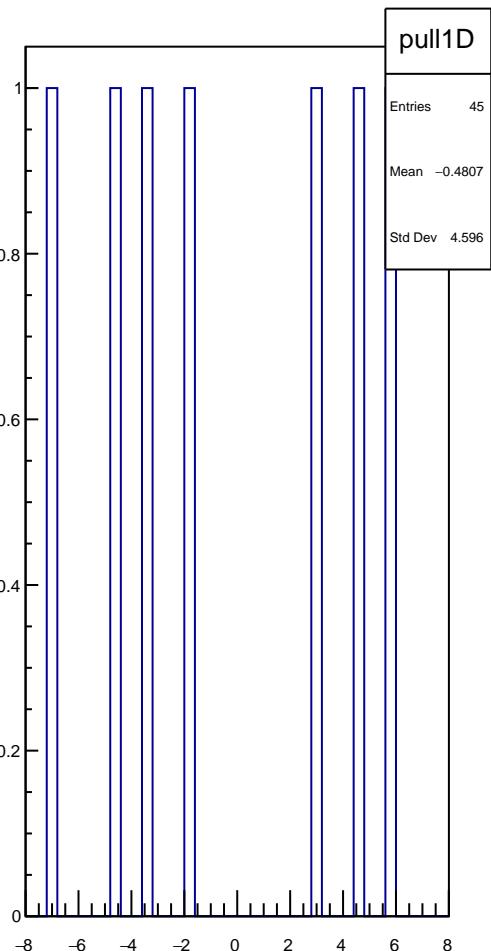
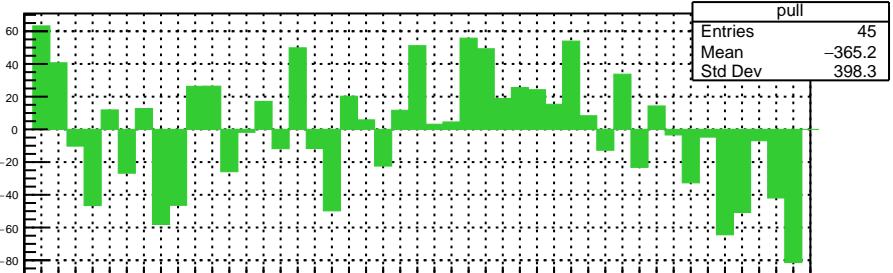
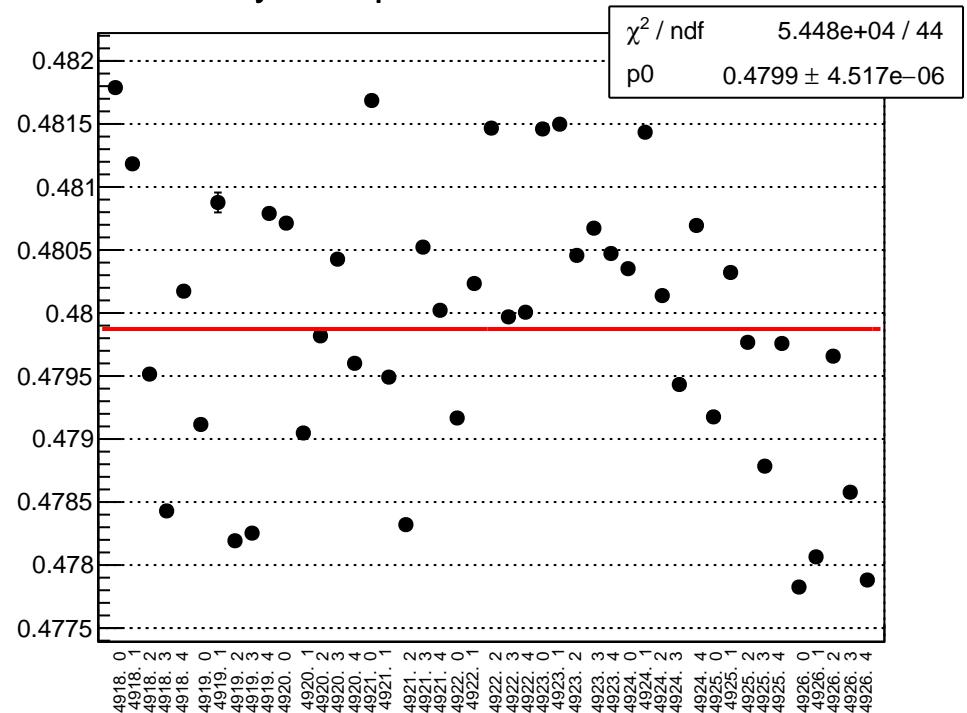
# yield\_bpm16X\_mean vs run



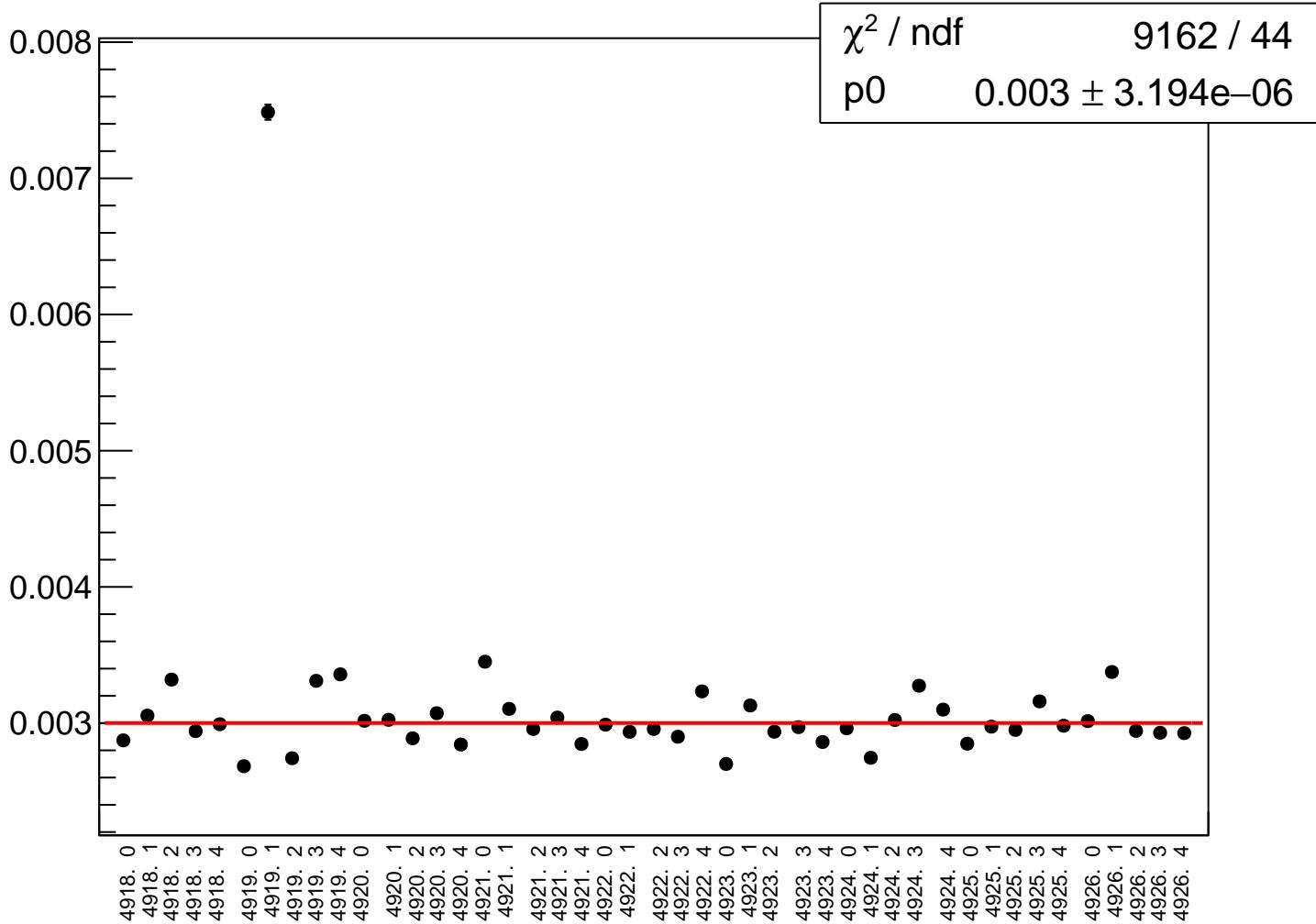
# yield\_bpm16X\_rms vs run



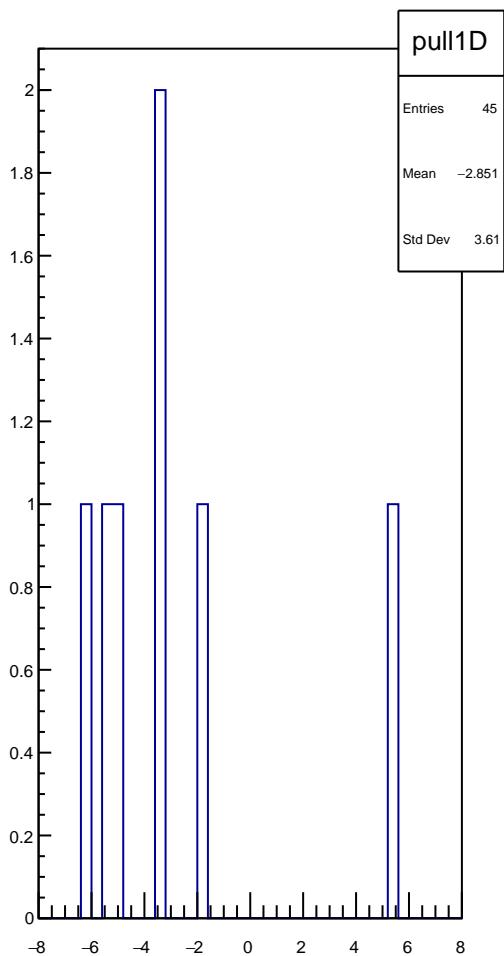
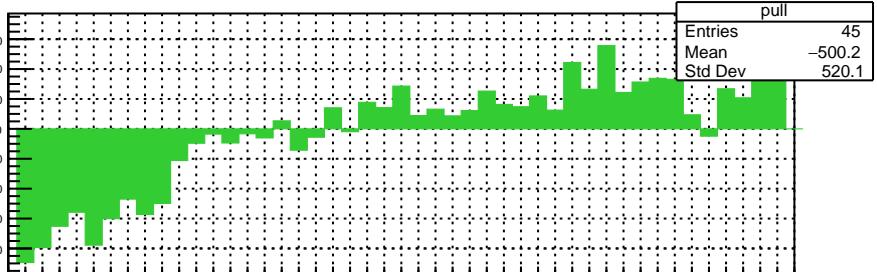
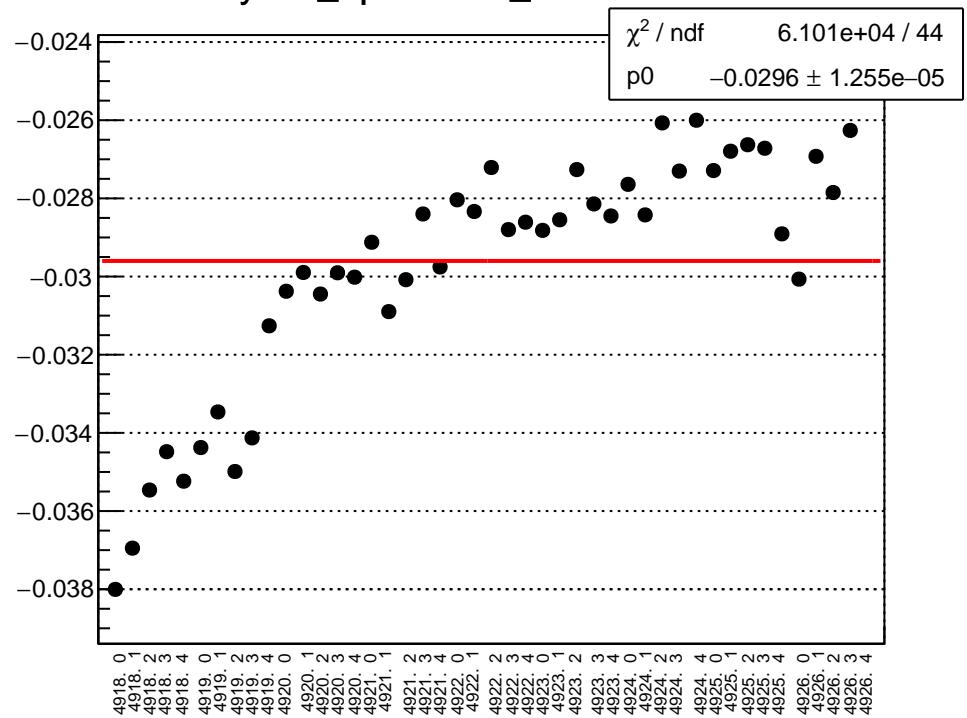
# yield\_bpm16Y\_mean vs run



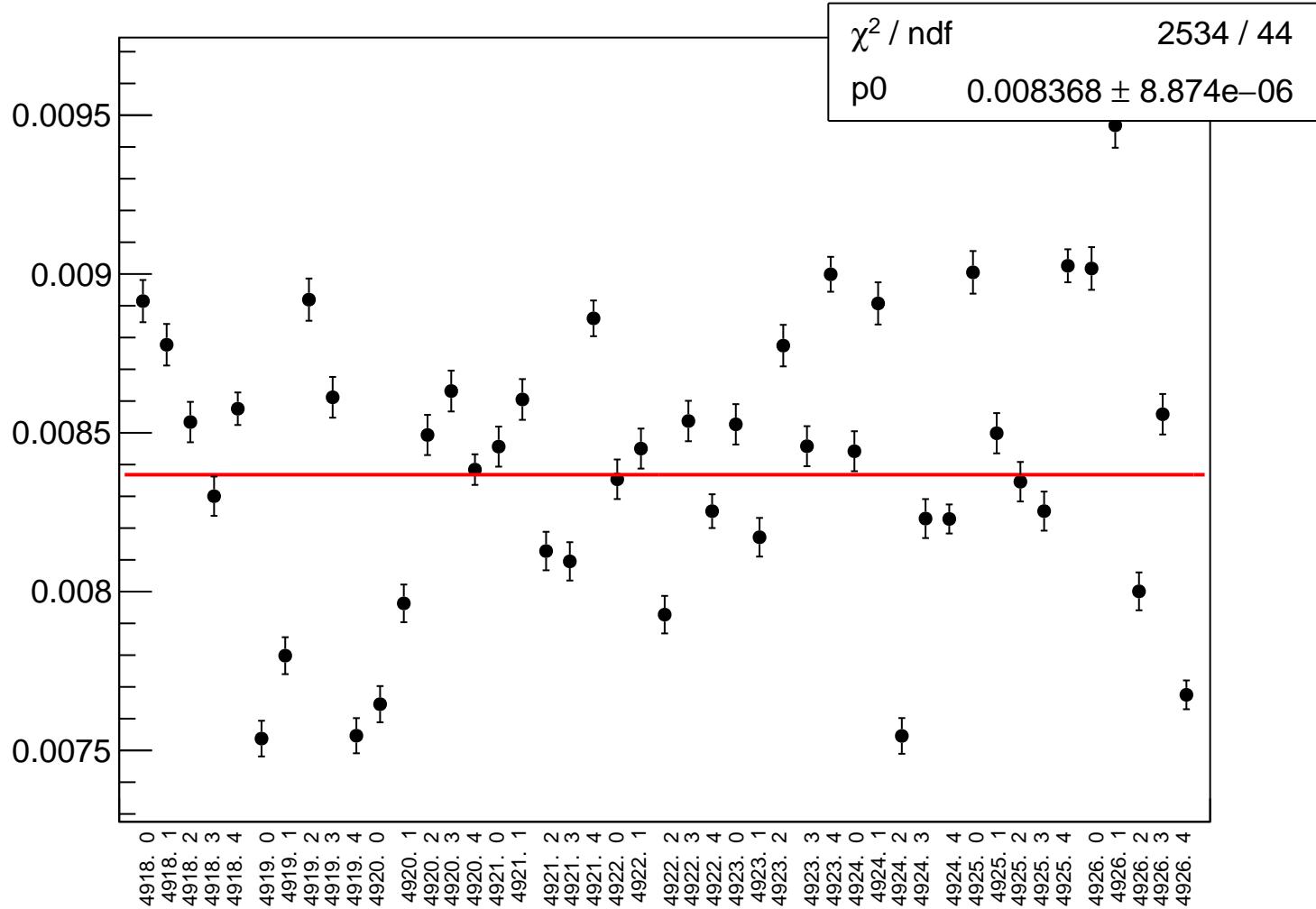
# yield\_bpm16Y\_rms vs run



# yield\_bpm2i01X\_mean vs run

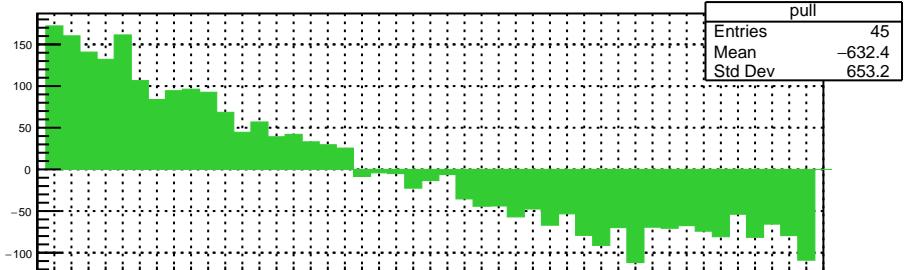
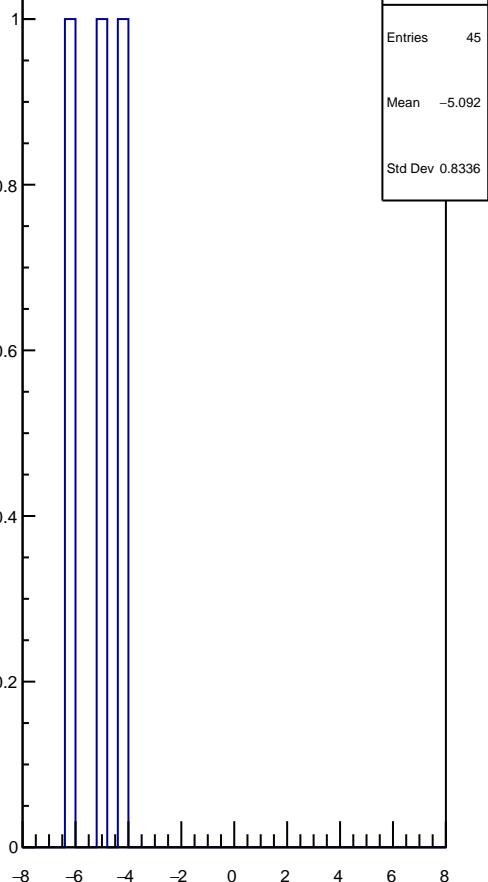
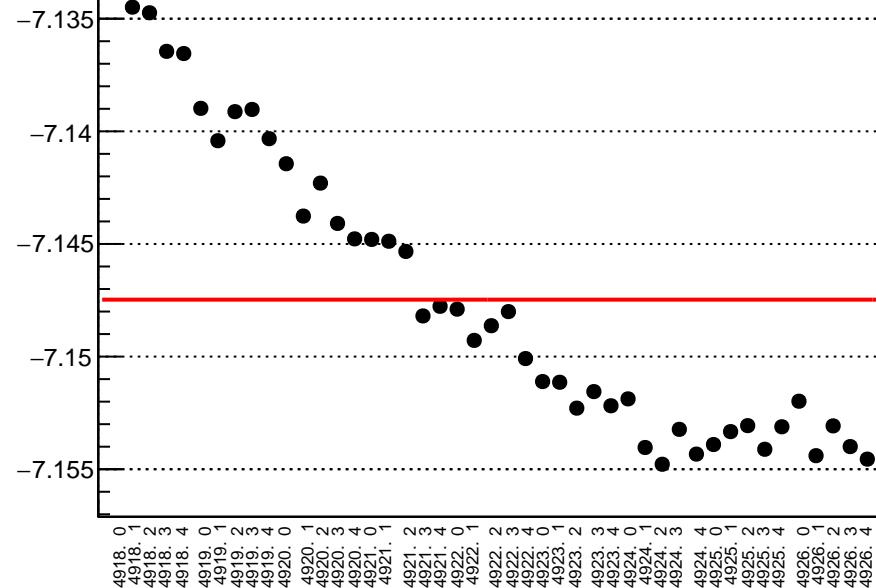


# yield\_bpm2i01X\_rms vs run

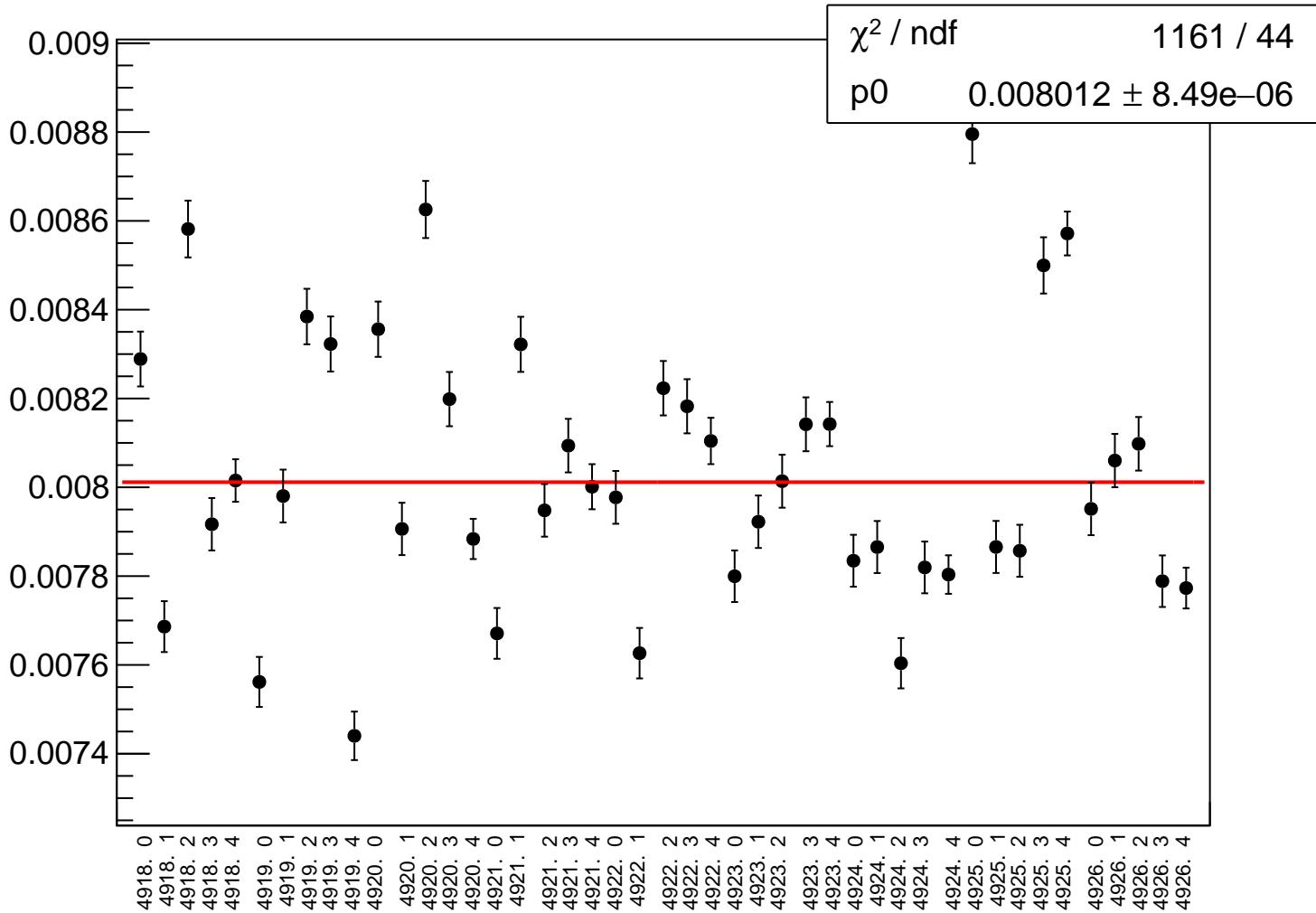


# yield\_bpm2i01Y\_mean vs run

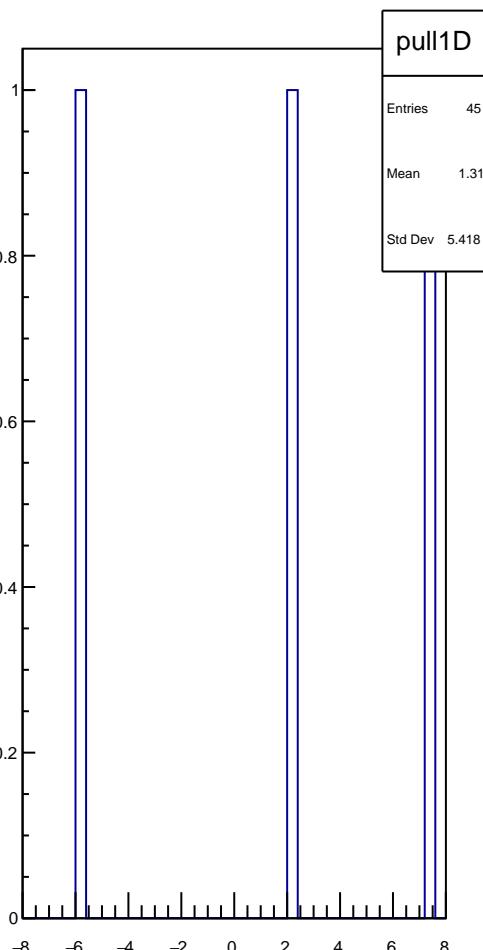
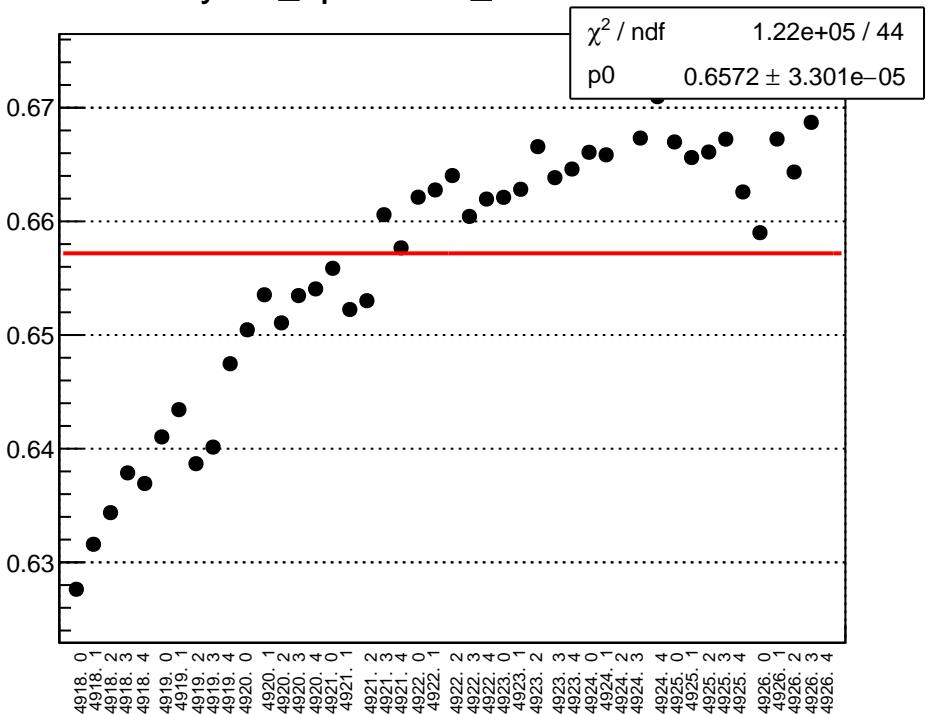
$\chi^2 / \text{ndf}$  2.888e+05 / 44  
p0  $-7.147 \pm 1.201\text{e}{-05}$



# yield\_bpm2i01Y\_rms vs run



# yield\_bpm2i02X\_mean vs run

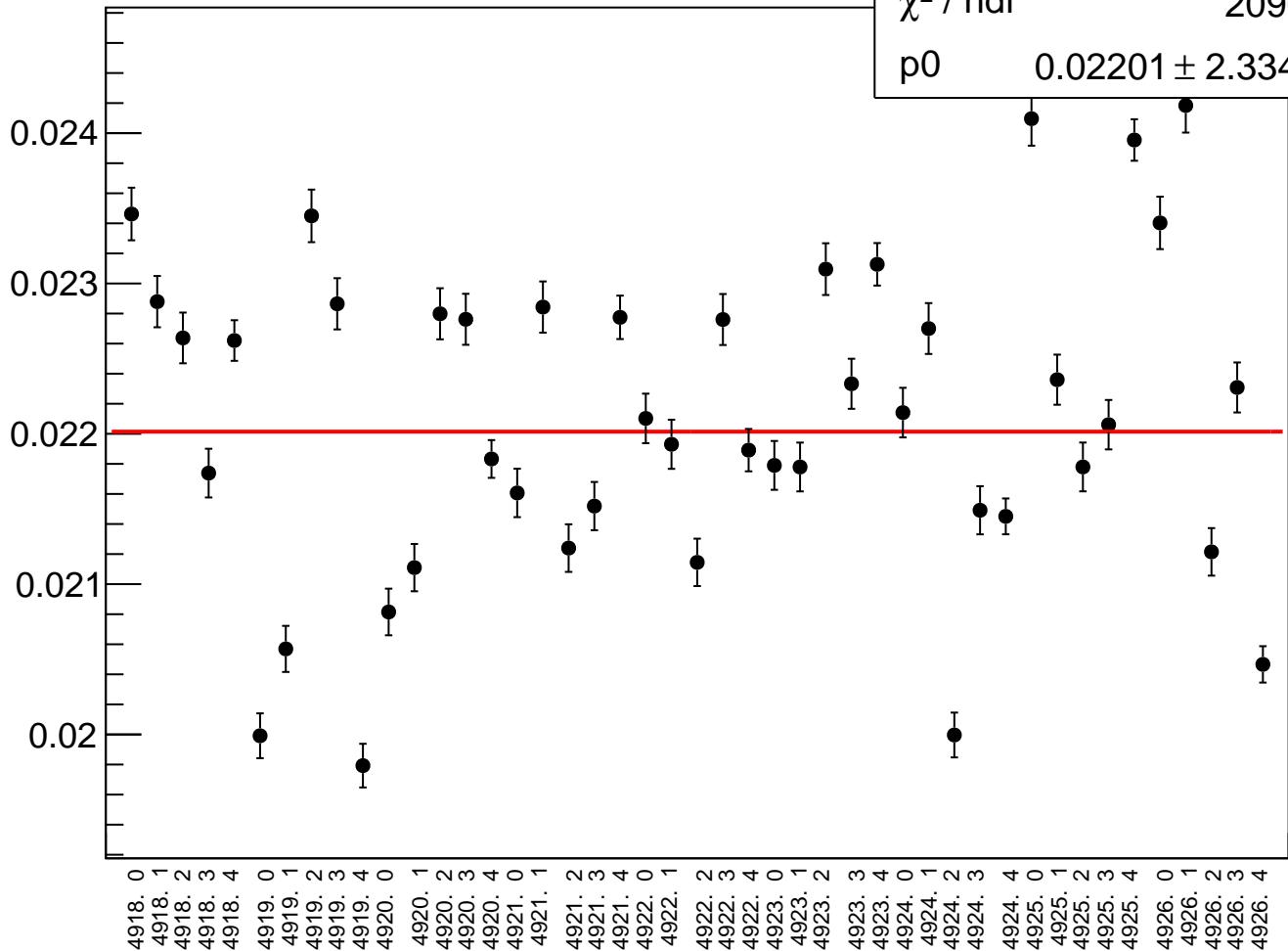


# yield\_bpm2i02X\_rms vs run

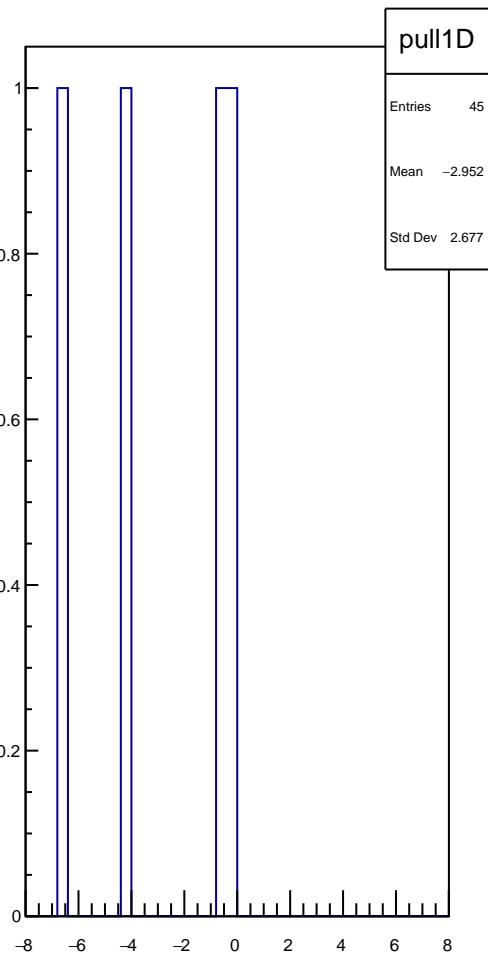
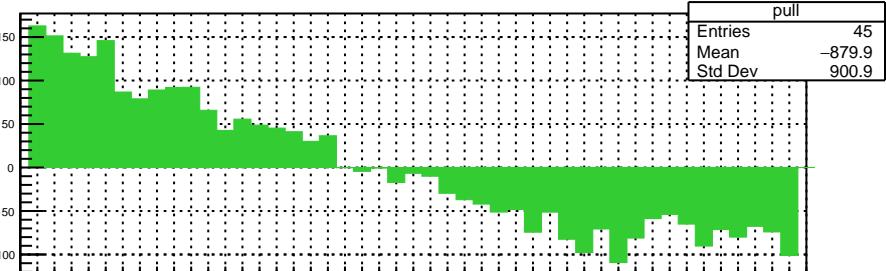
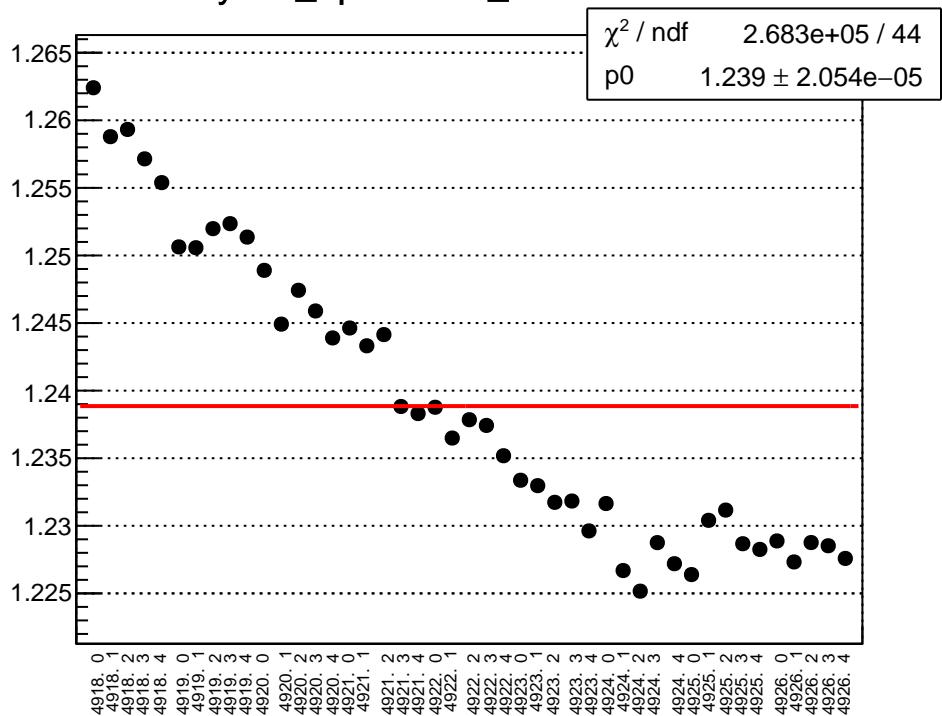
$\chi^2 / \text{ndf}$

2090 / 44

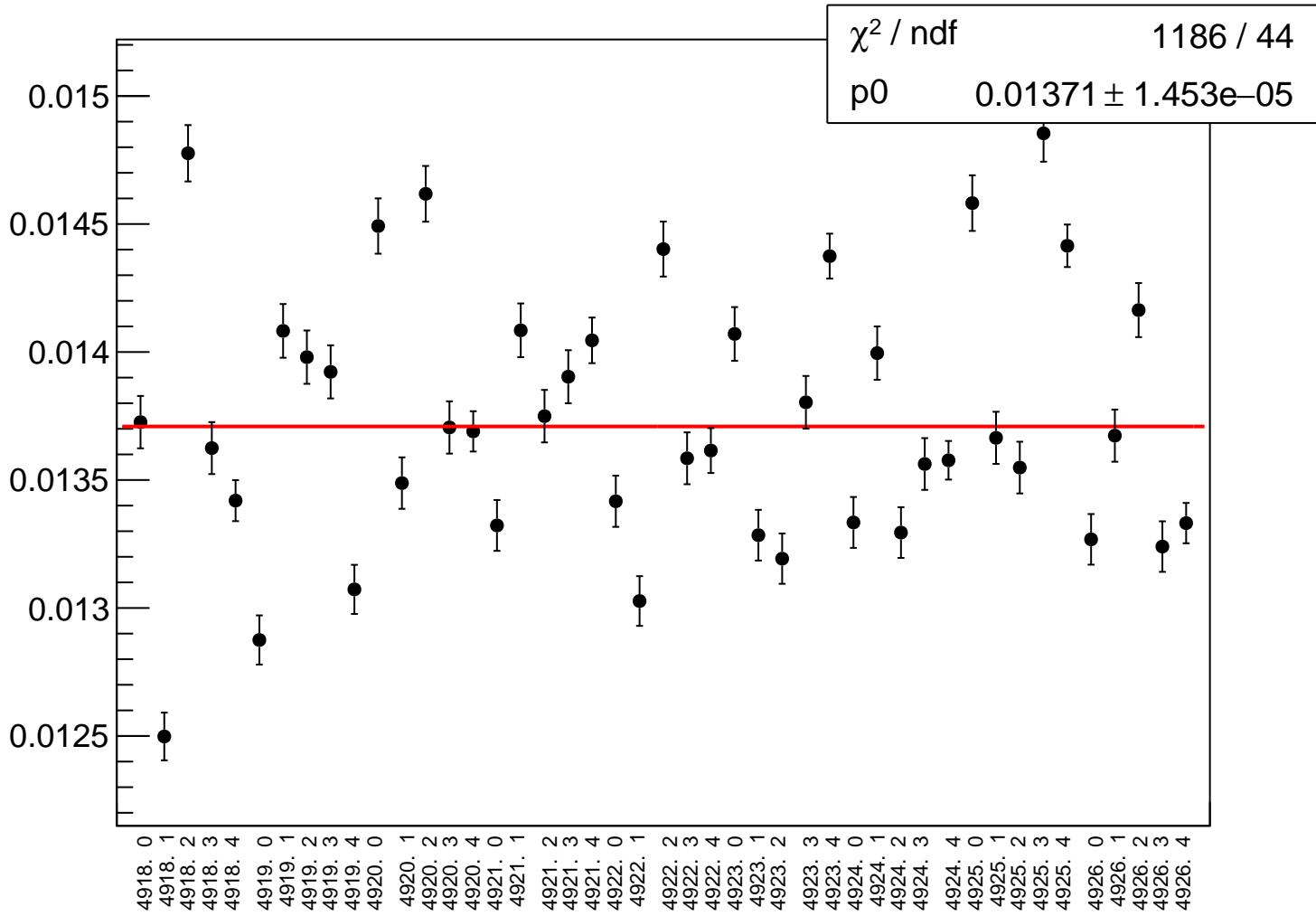
p0  $0.02201 \pm 2.334\text{e-}05$



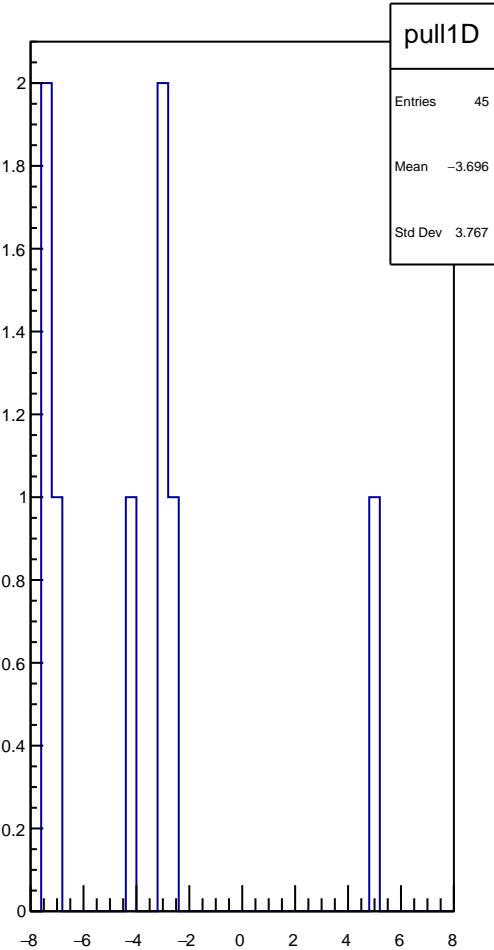
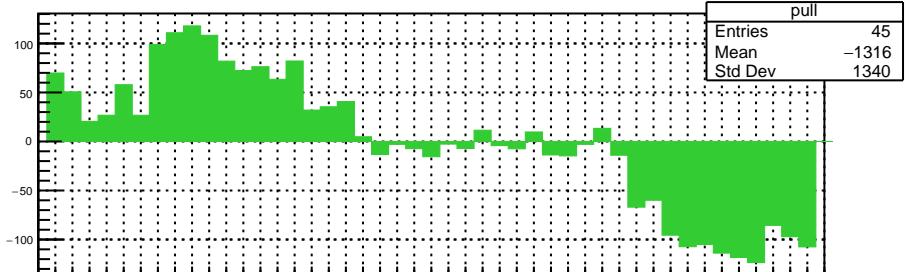
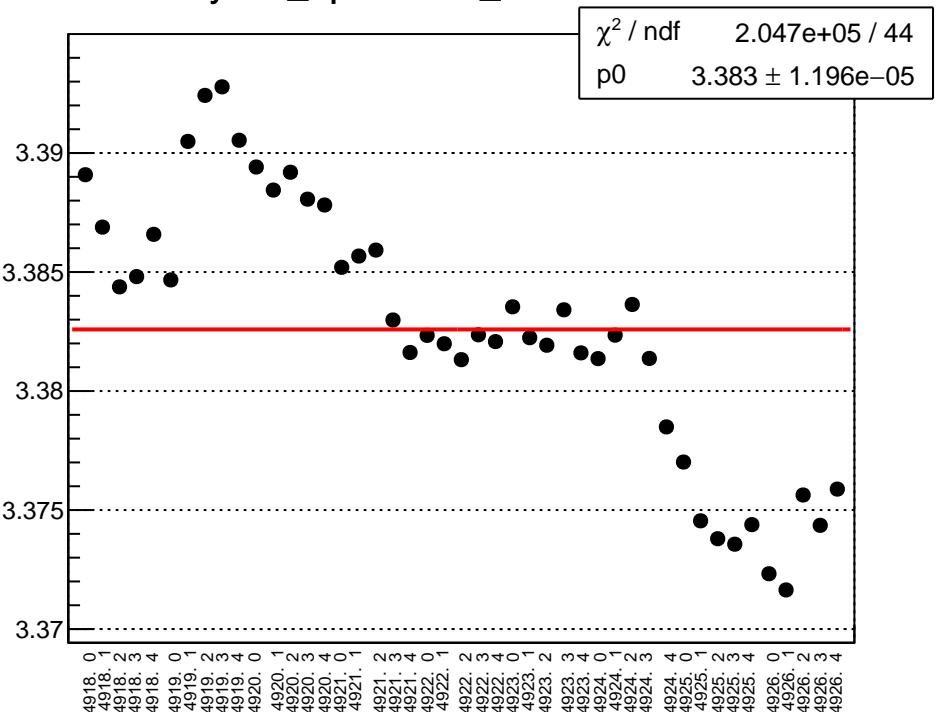
# yield\_bpm2i02Y\_mean vs run



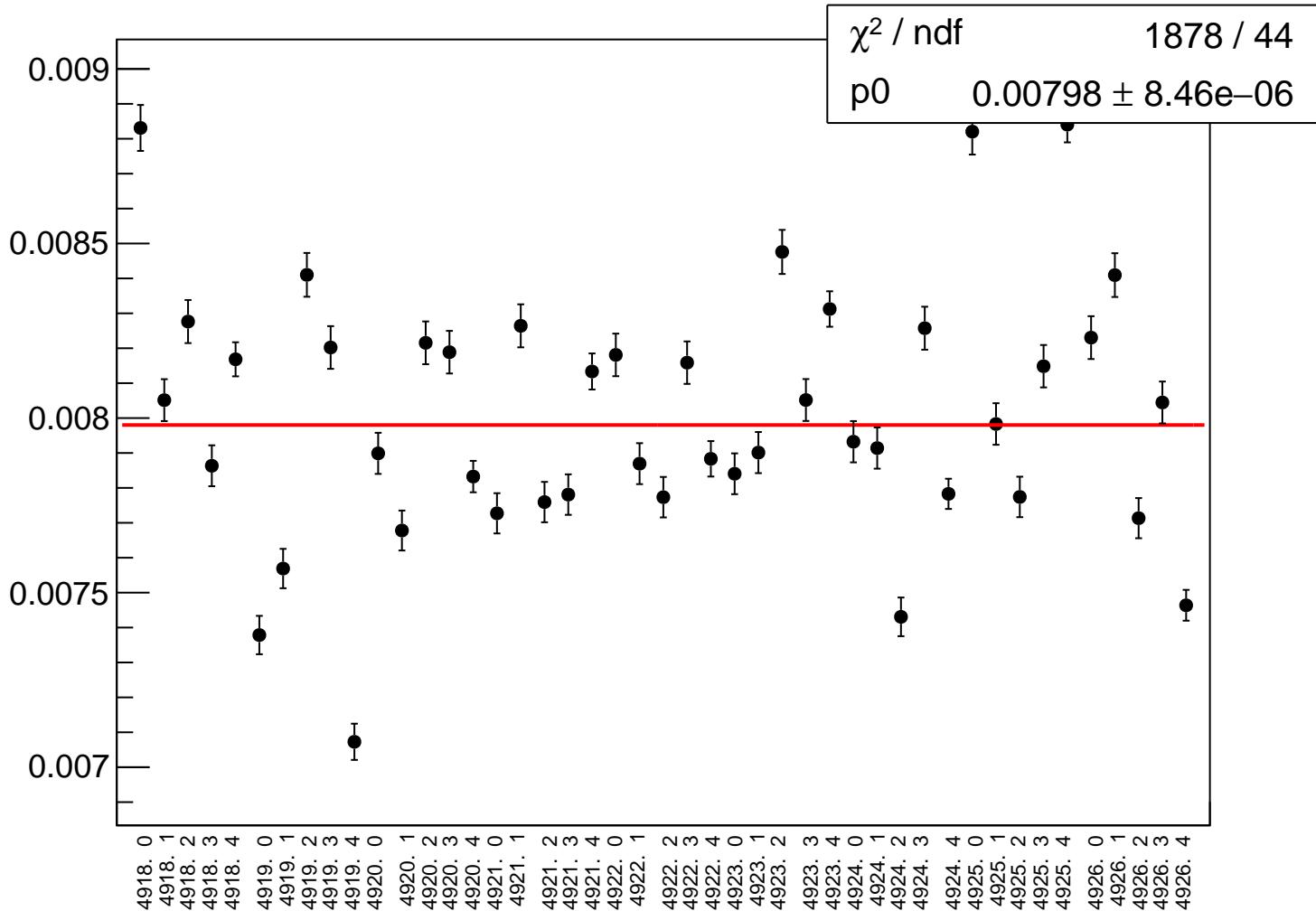
# yield\_bpm2i02Y\_rms vs run



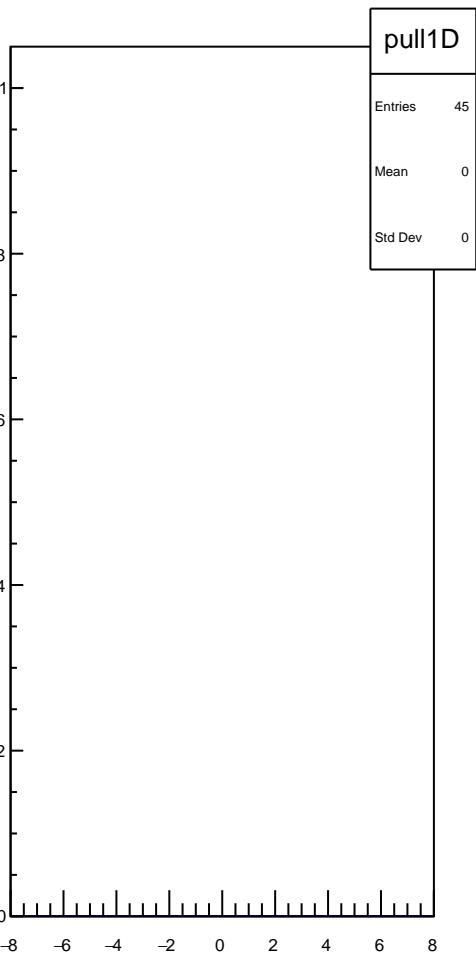
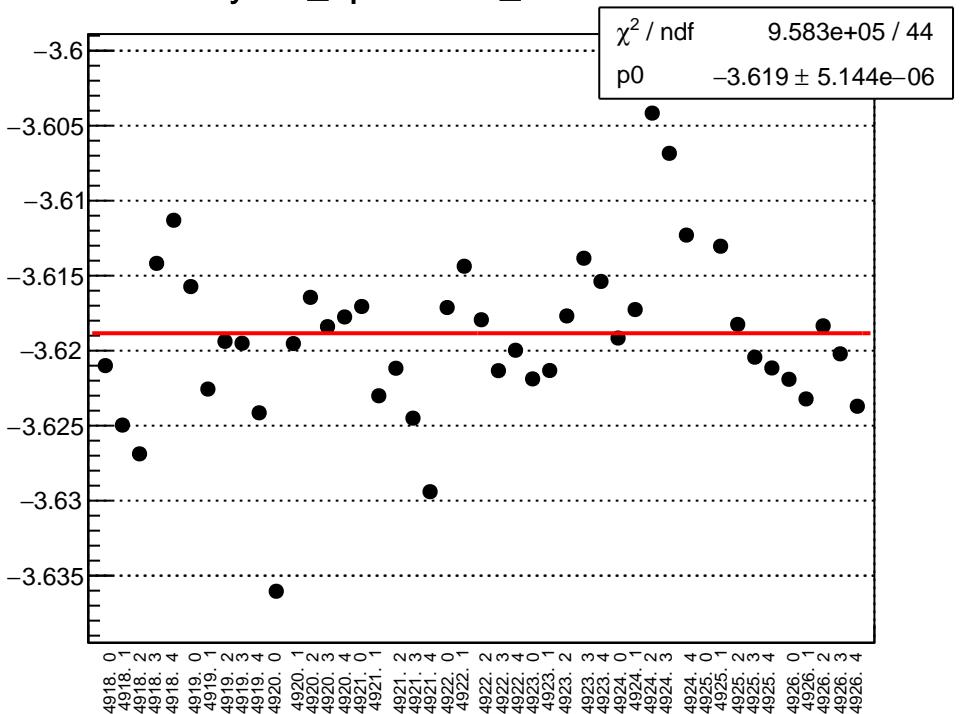
# yield\_bpm1i04X\_mean vs run



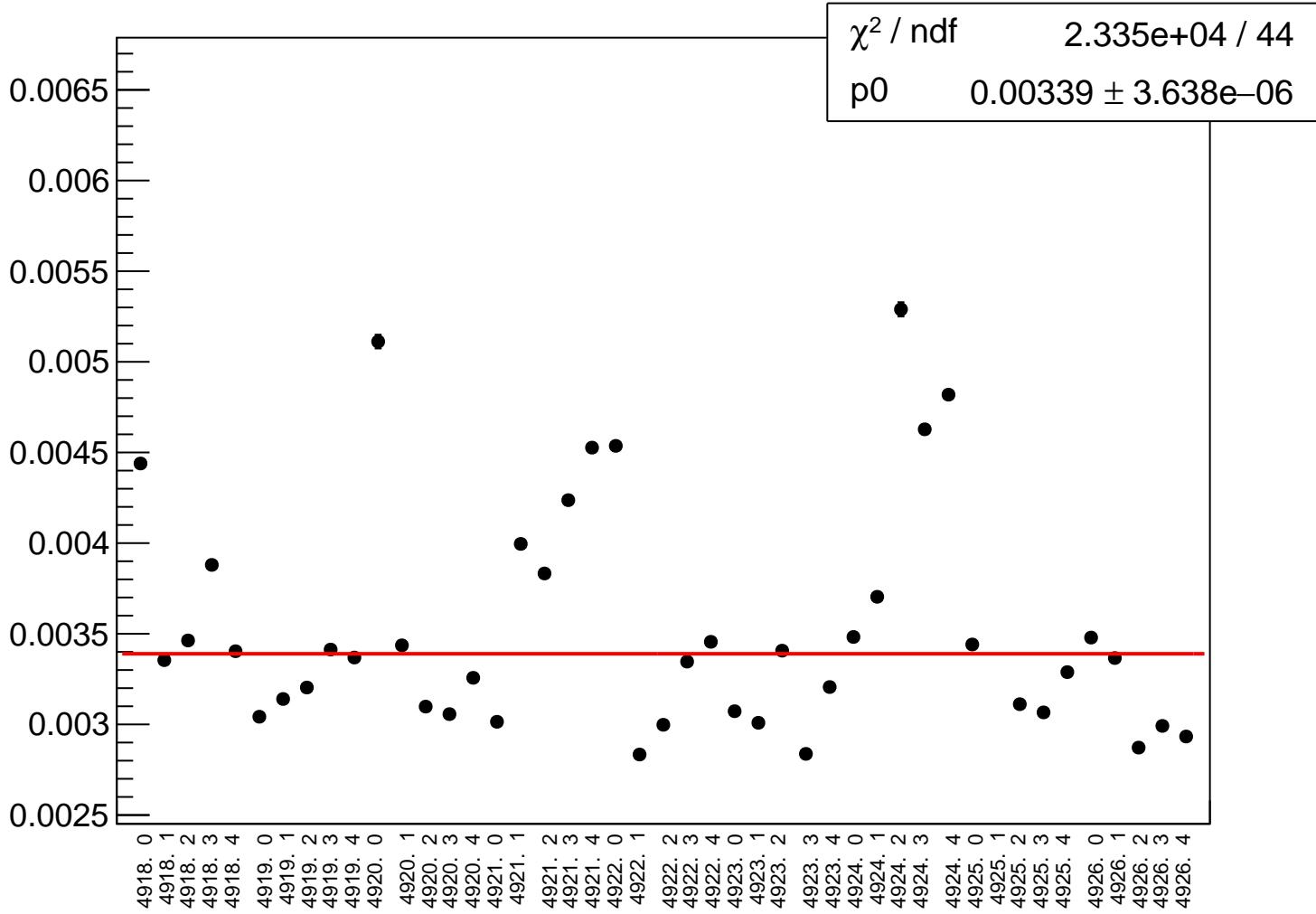
# yield\_bpm1i04X\_rms vs run



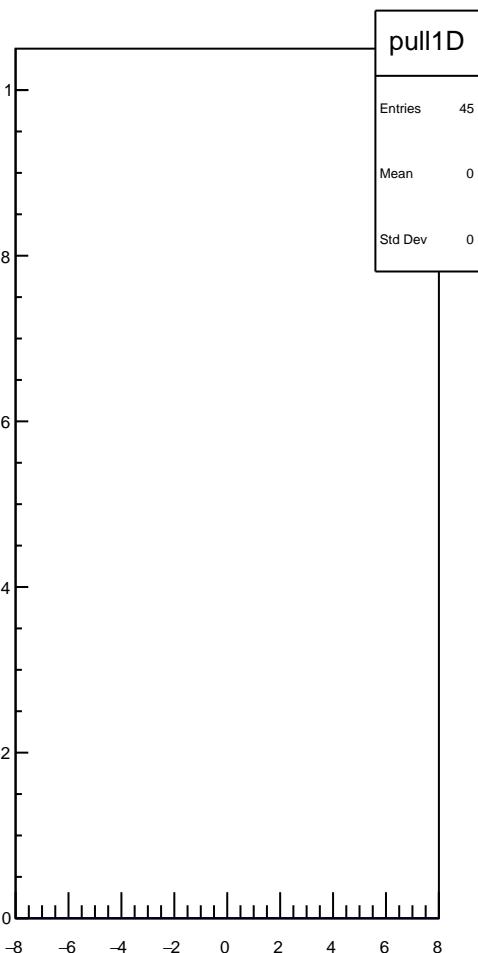
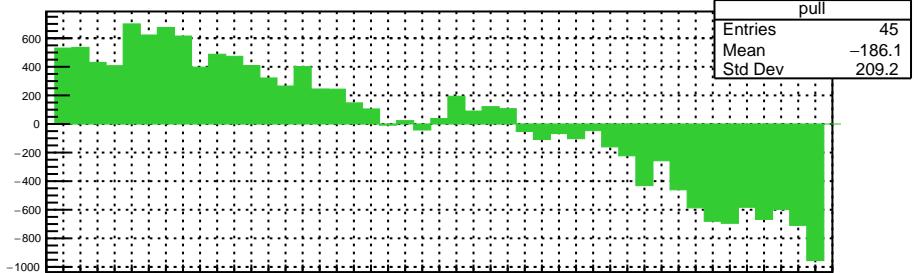
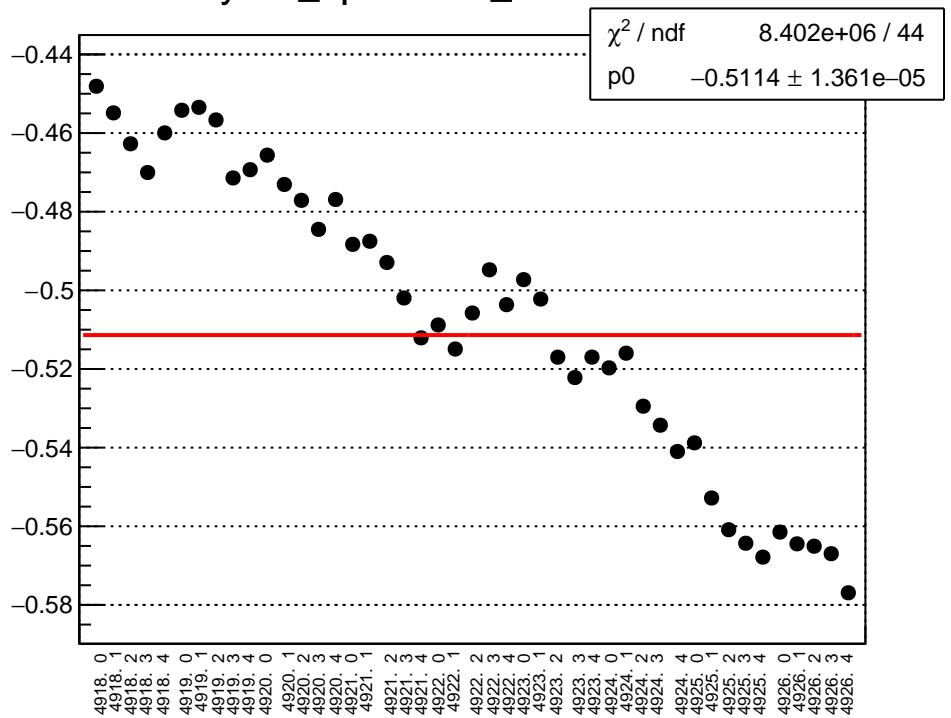
# yield\_bpm1i04Y\_mean vs run



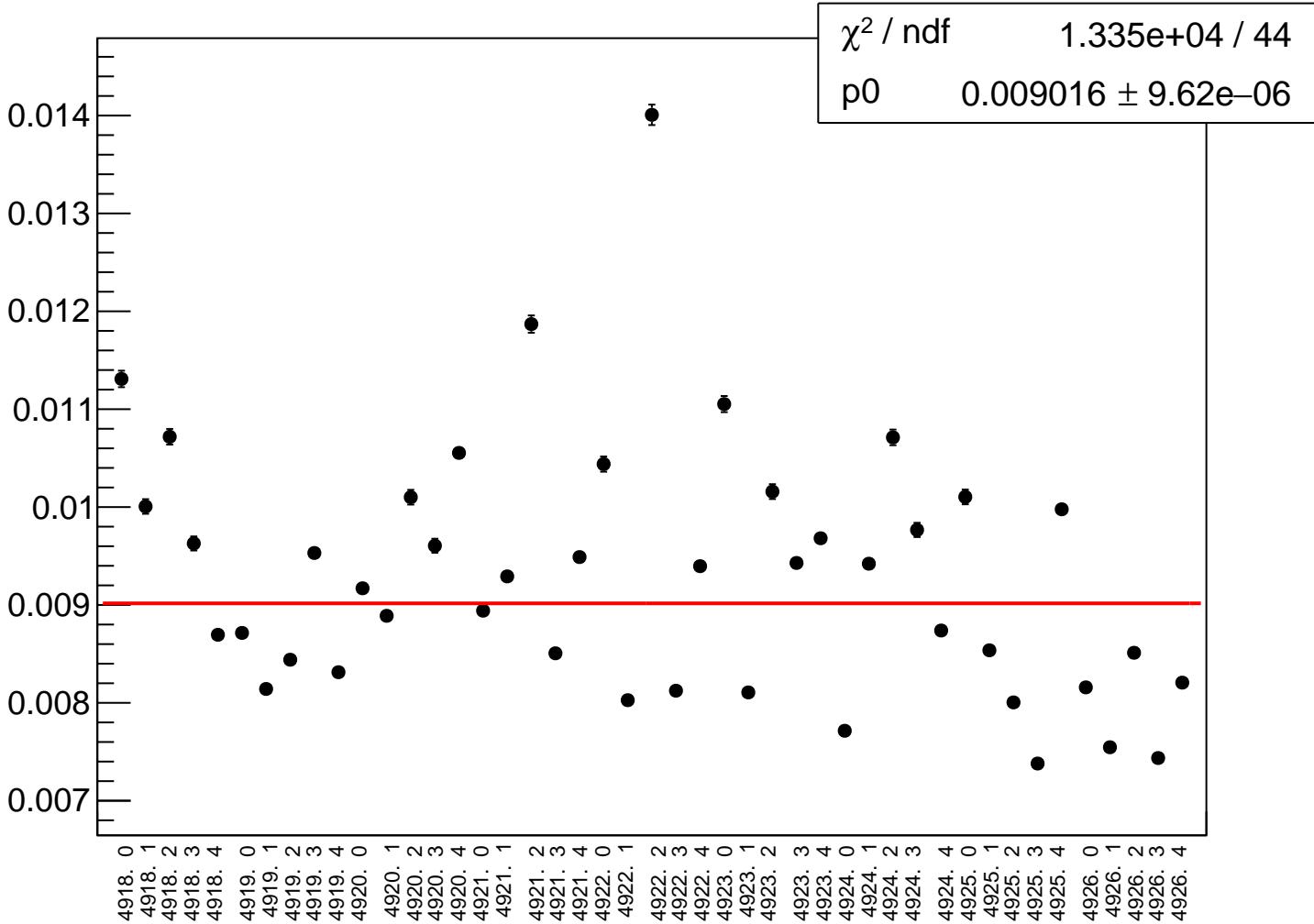
# yield\_bpm1i04Y\_rms vs run



# yield\_bpm0I01X\_mean vs run

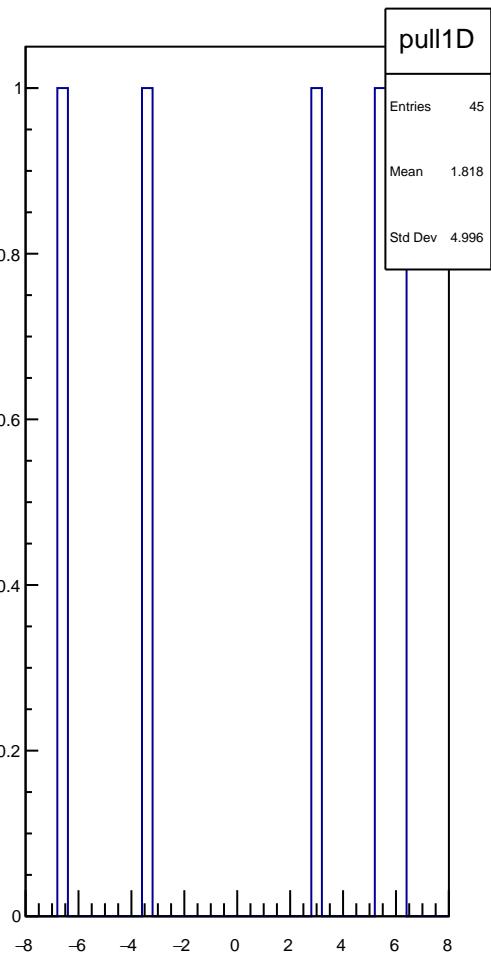
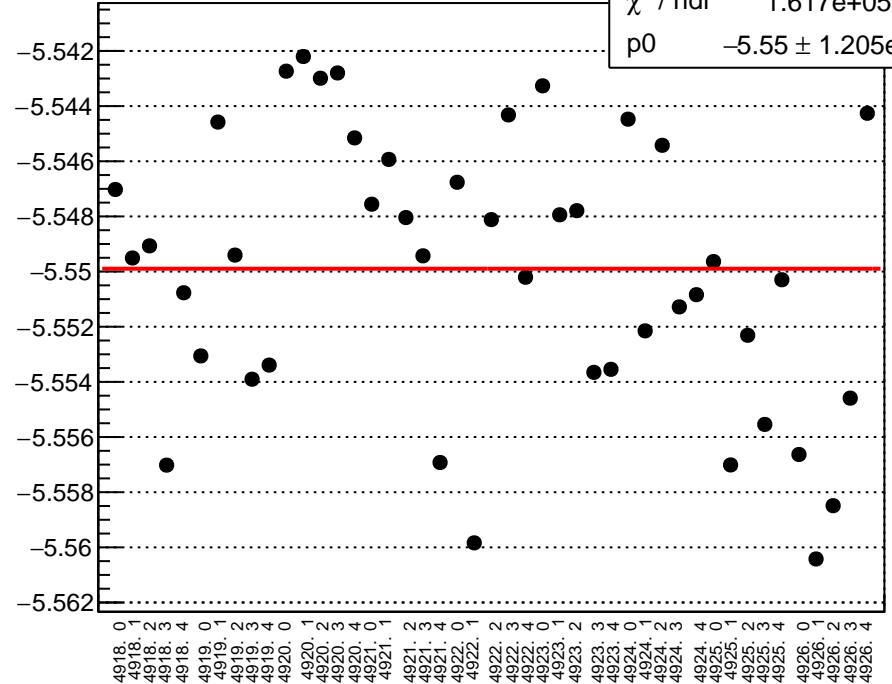


# yield\_bpm0l01X\_rms vs run

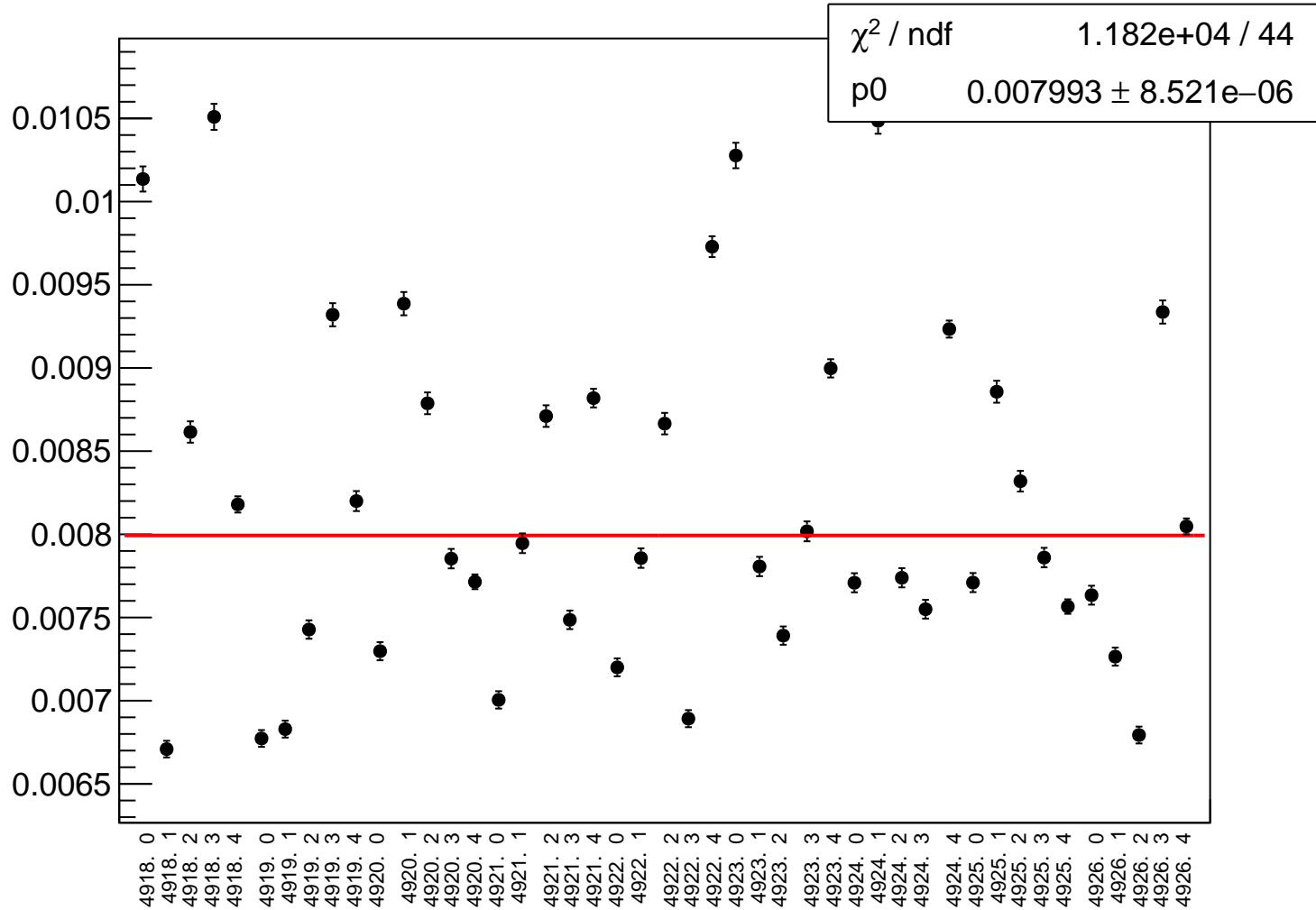


# yield\_bpm0I01Y\_mean vs run

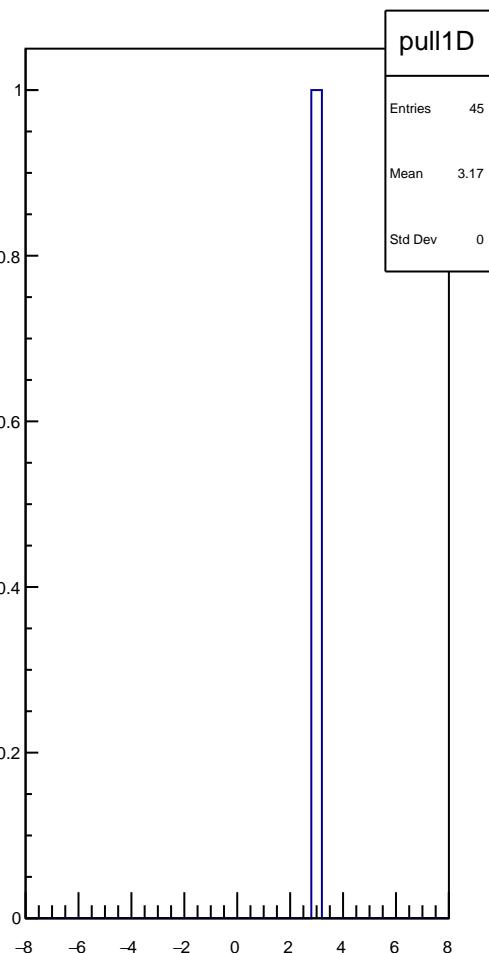
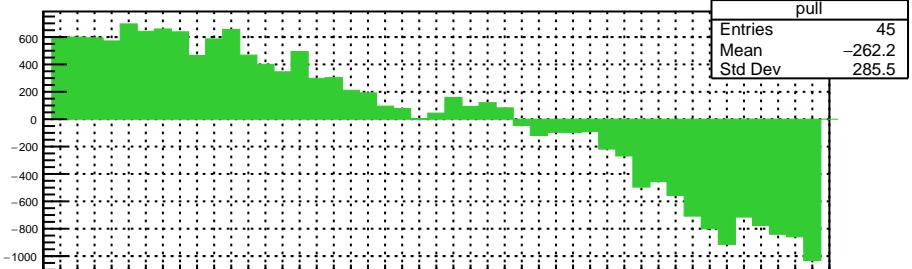
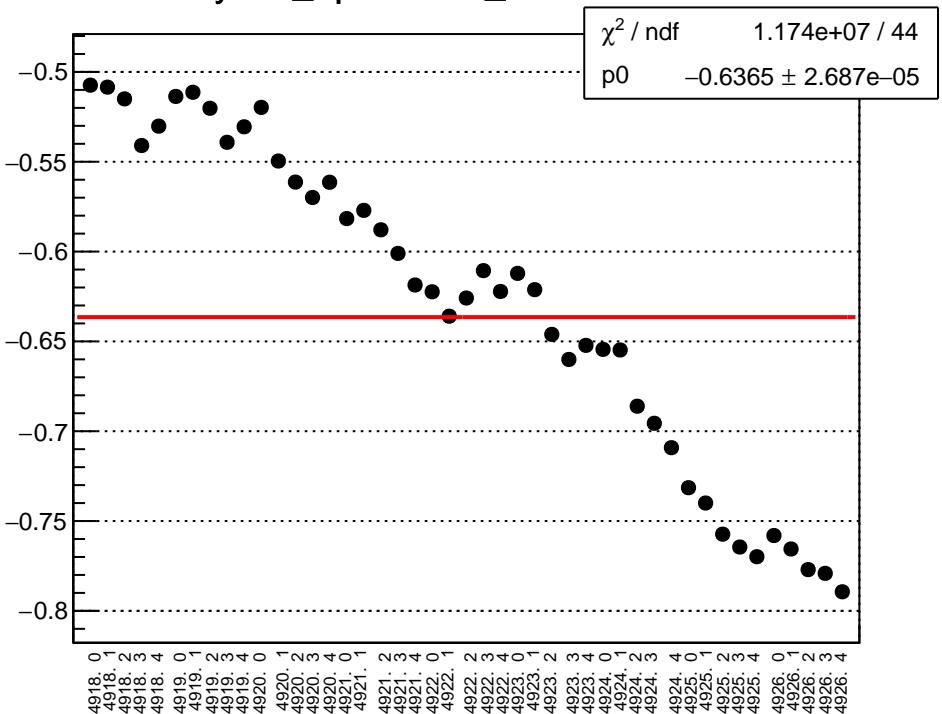
$\chi^2 / \text{ndf}$  1.617e+05 / 44  
 $p0$   $-5.55 \pm 1.205\text{e}{-05}$



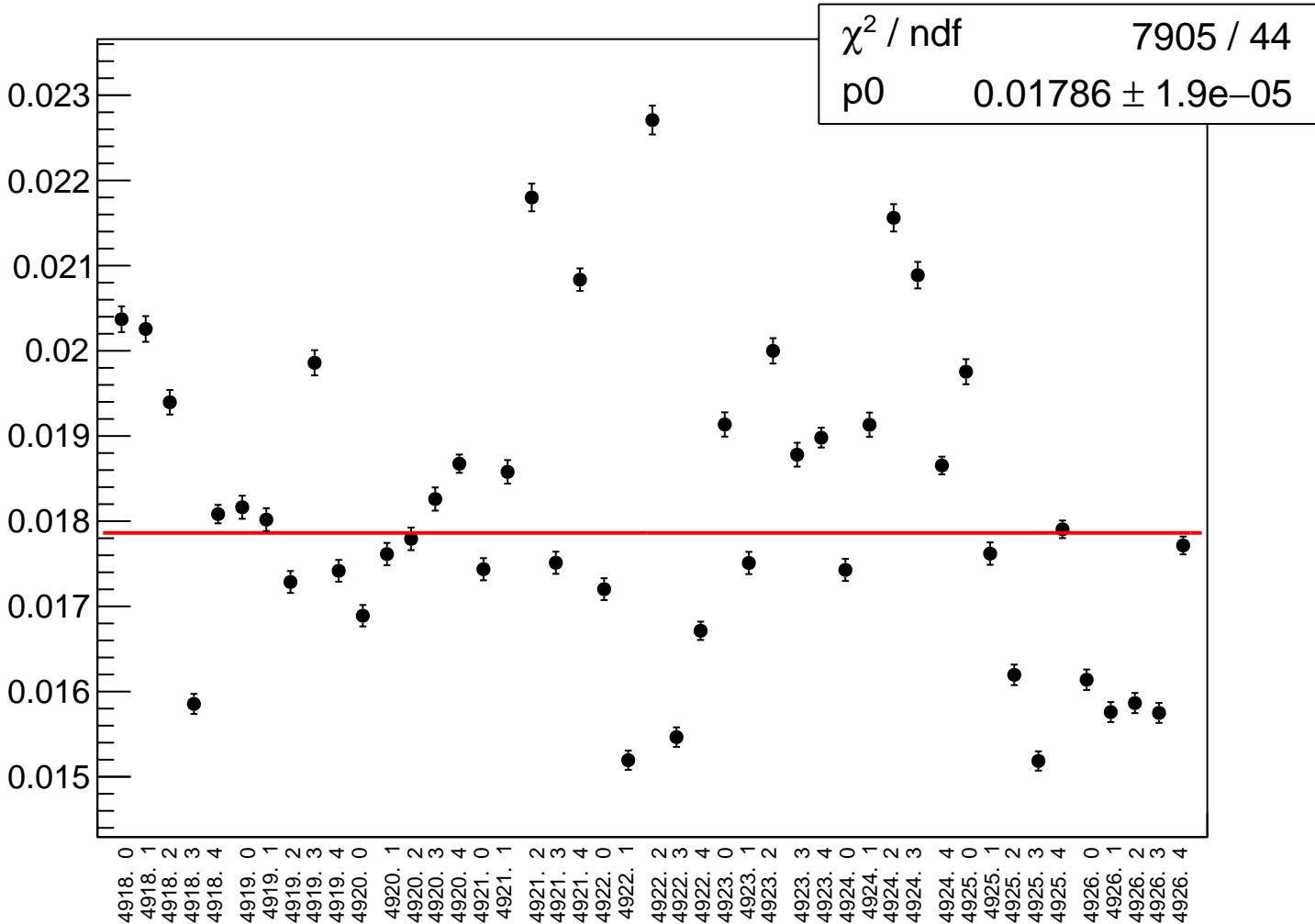
# yield\_bpm0l01Y\_rms vs run



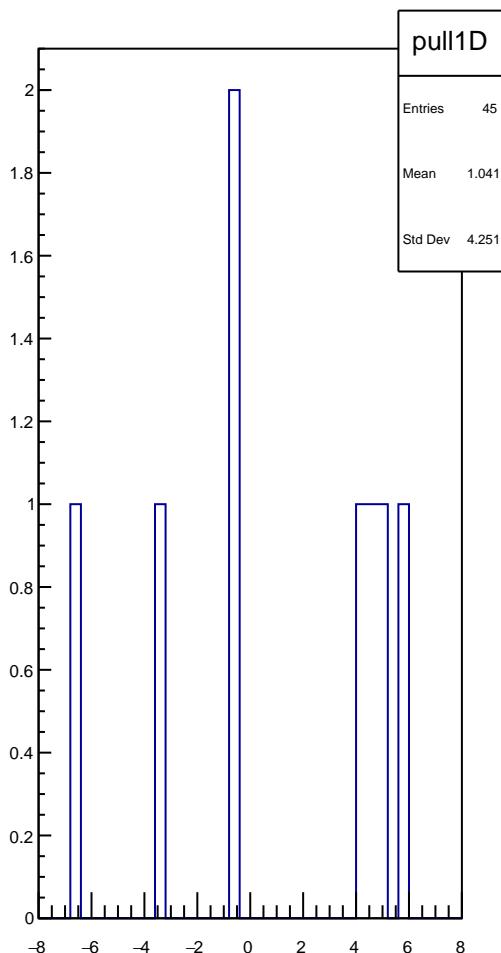
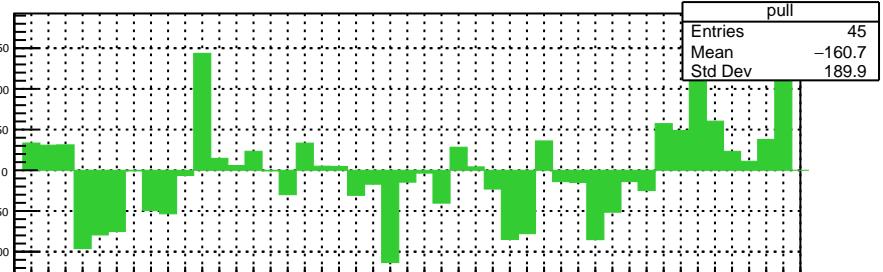
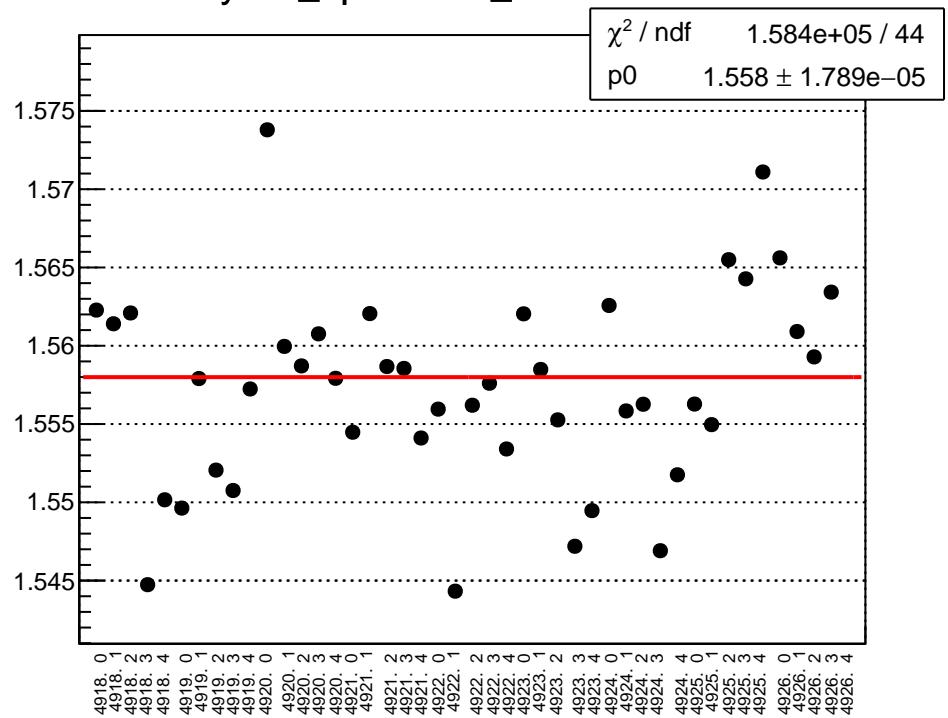
# yield\_bpm0l02X\_mean vs run



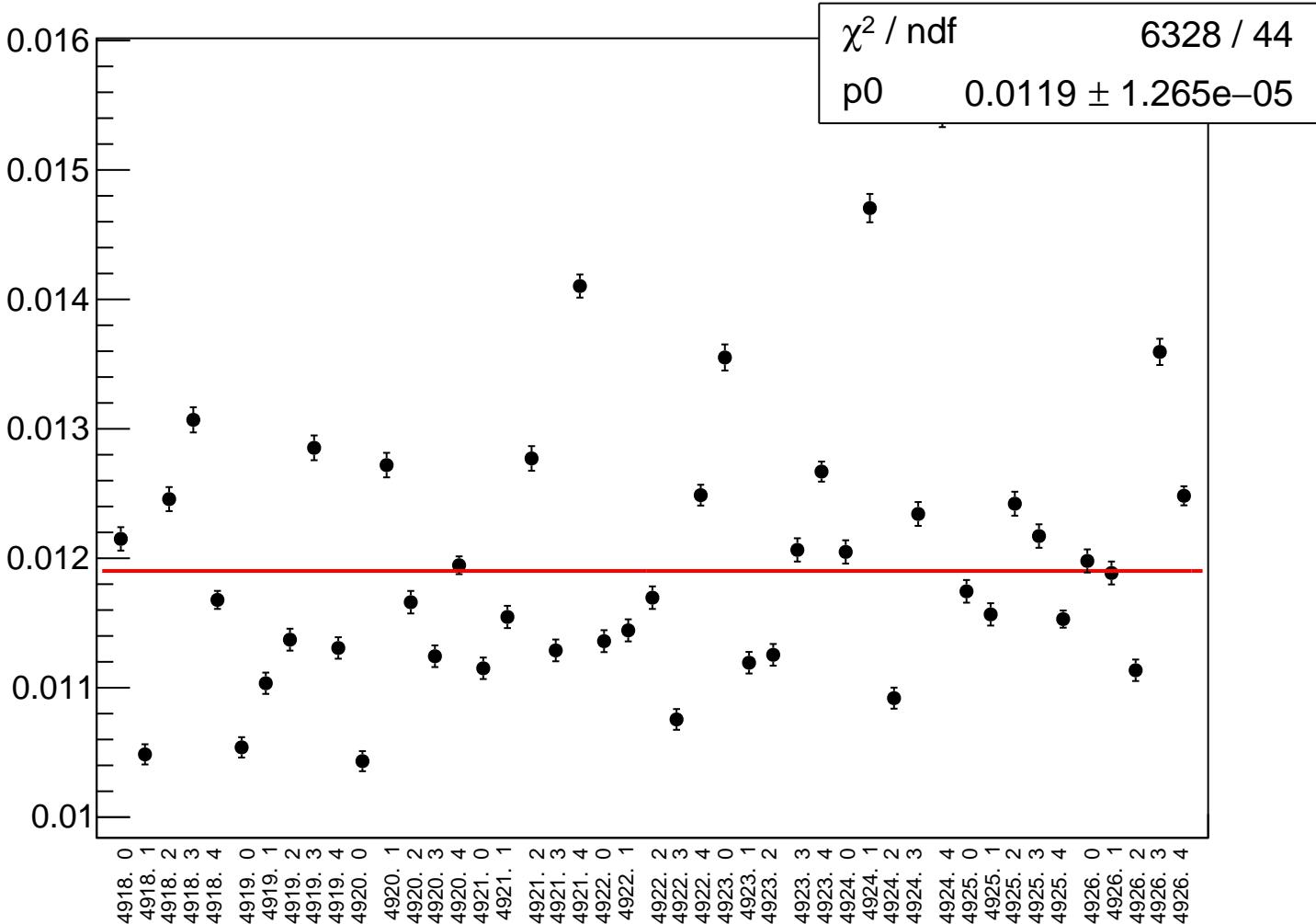
# yield\_bpm0l02X\_rms vs run



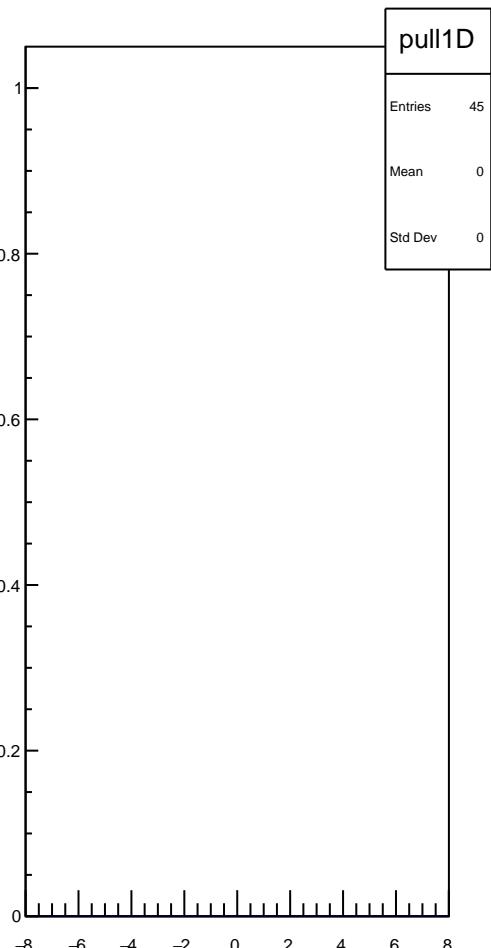
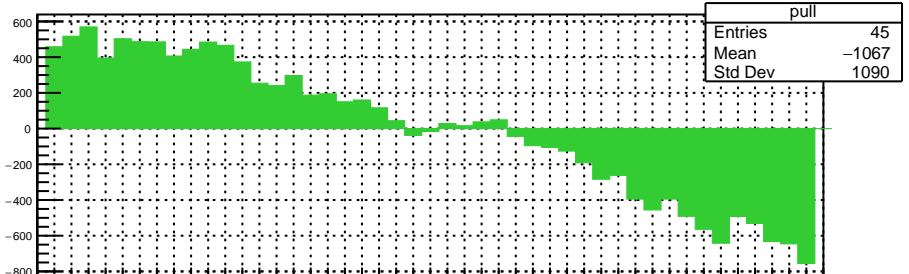
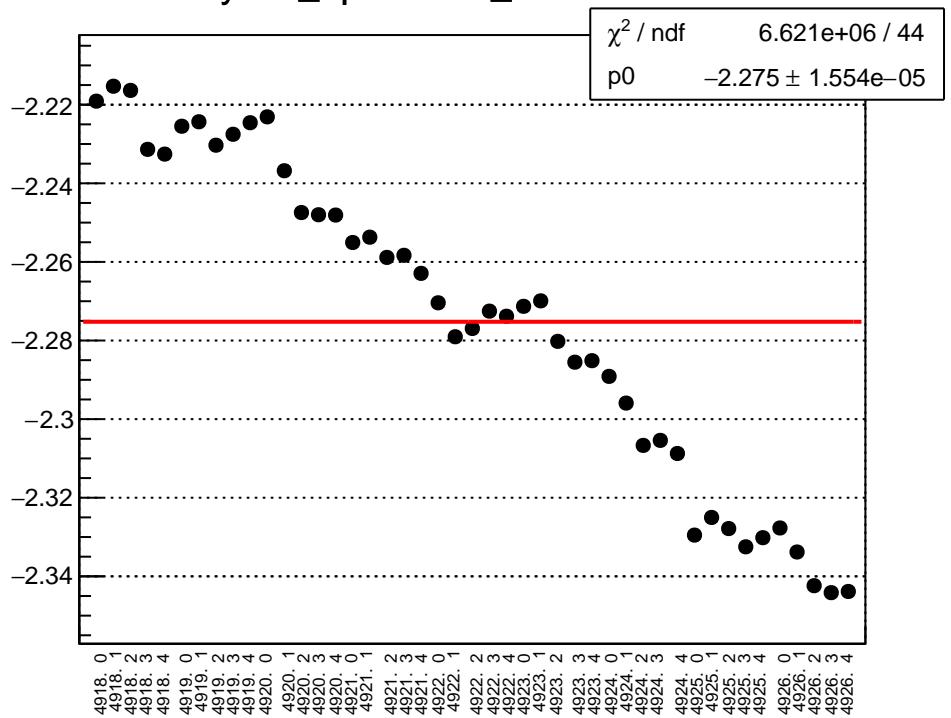
# yield\_bpm0I02Y\_mean vs run



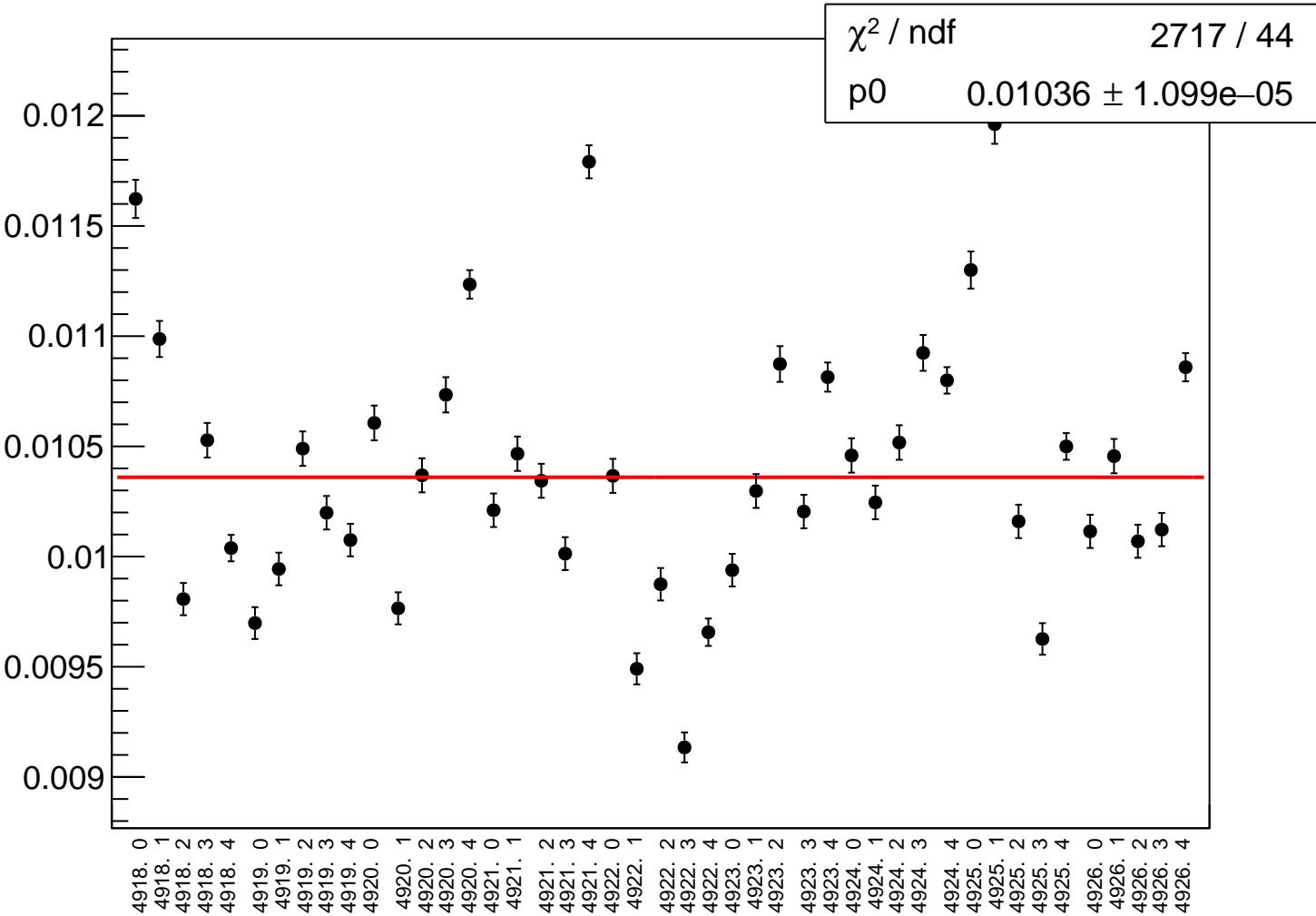
# yield\_bpm0l02Y\_rms vs run



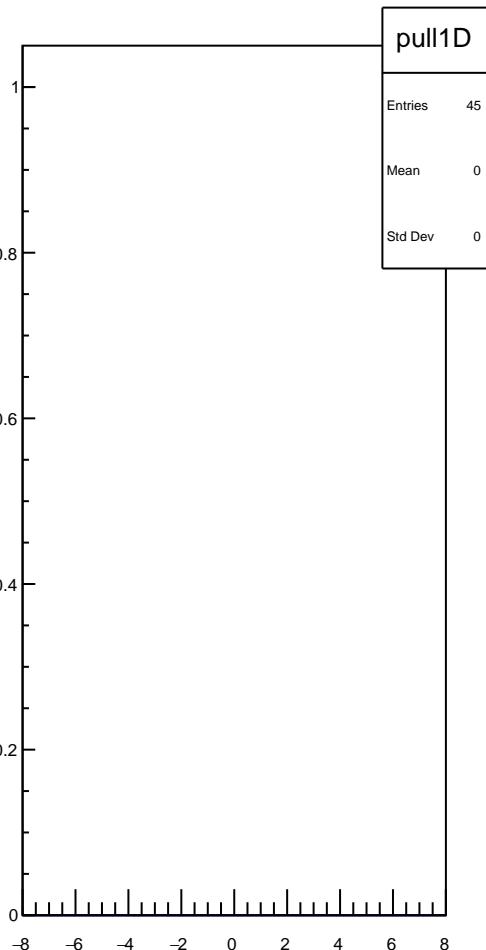
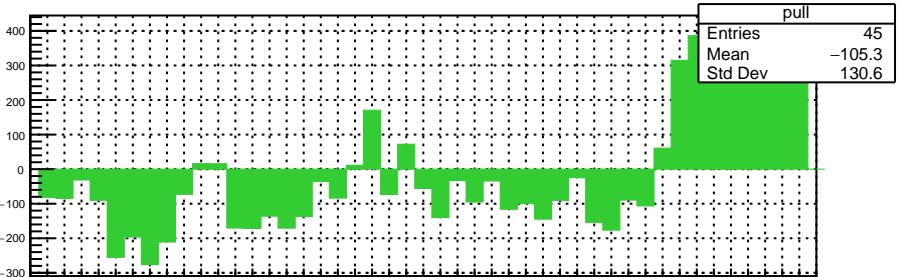
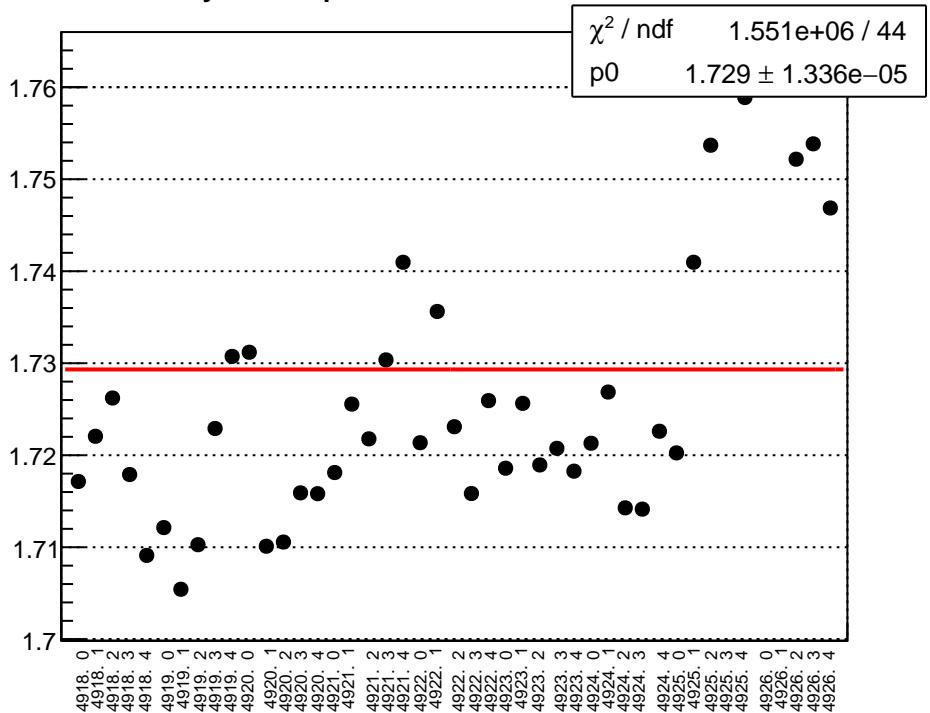
# yield\_bpm0l03X\_mean vs run



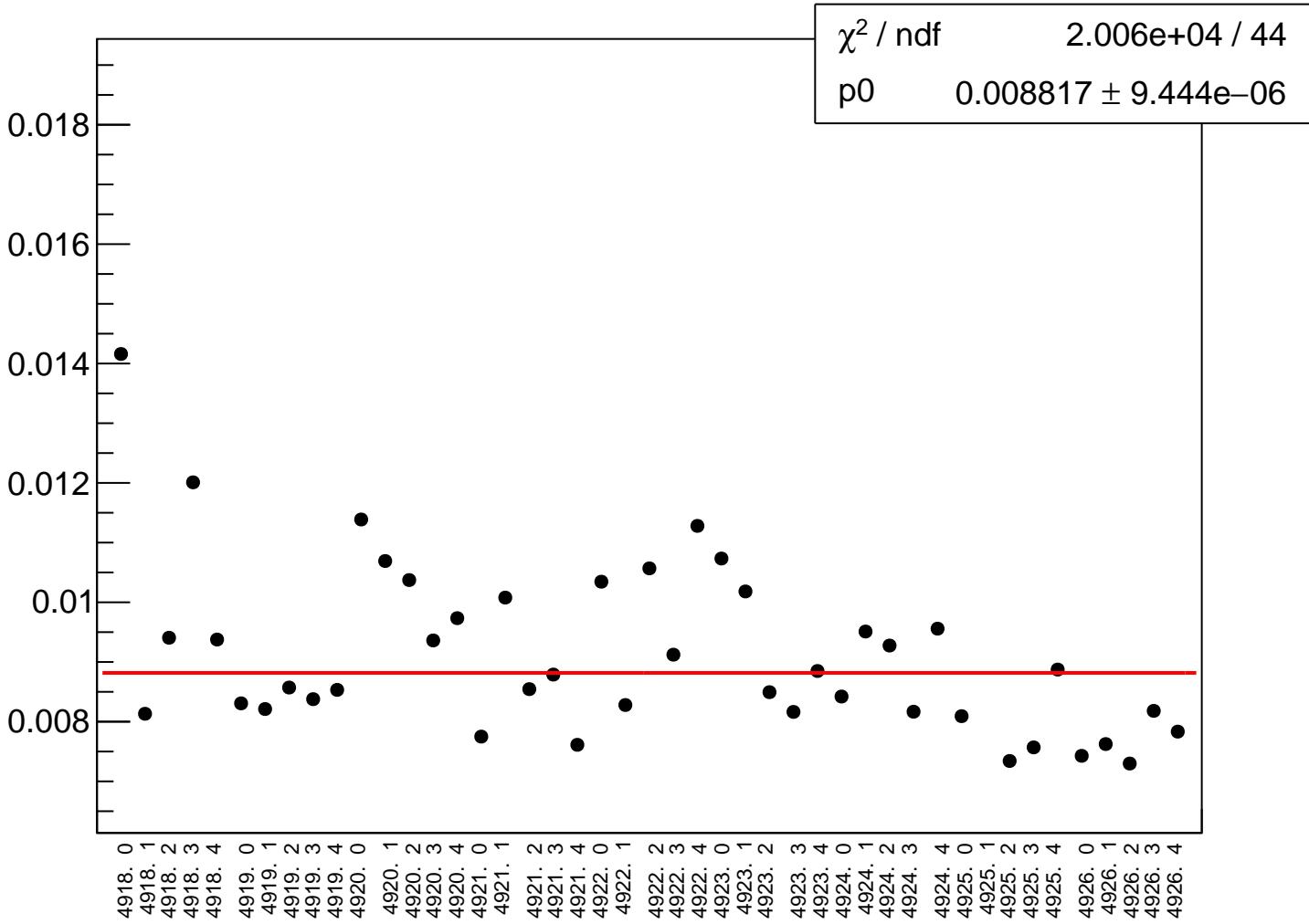
# yield\_bpm0l03X\_rms vs run



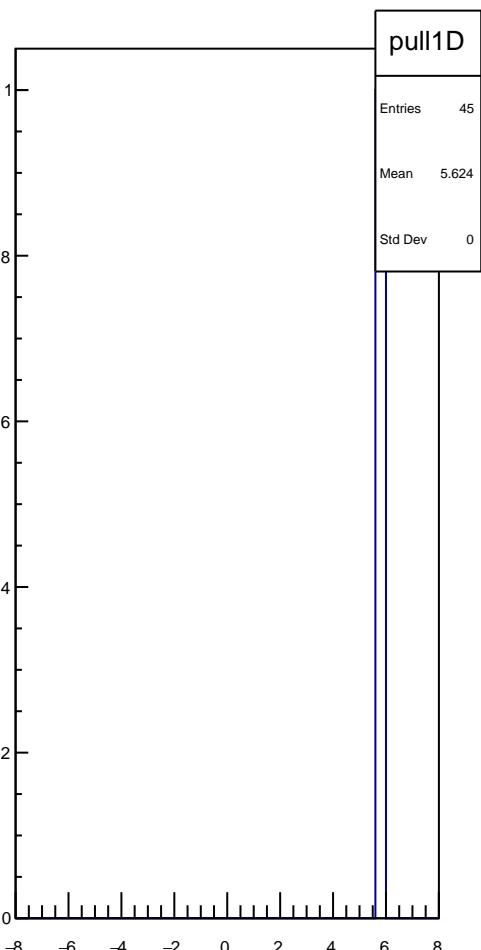
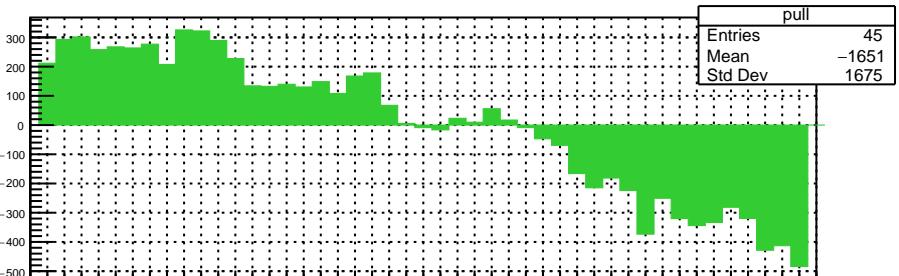
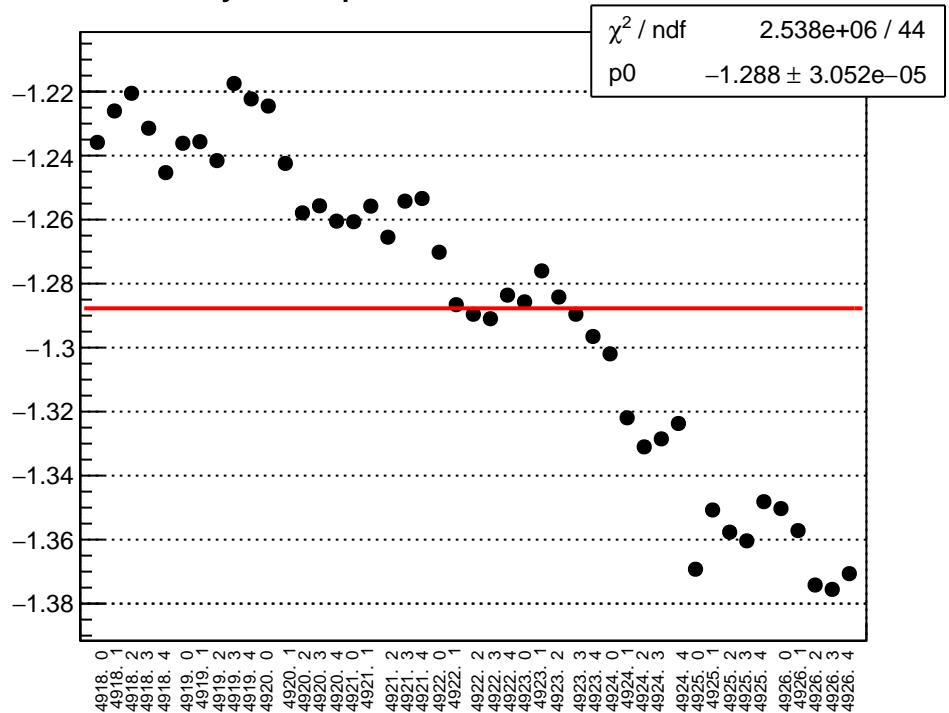
# yield\_bpm0I03Y\_mean vs run



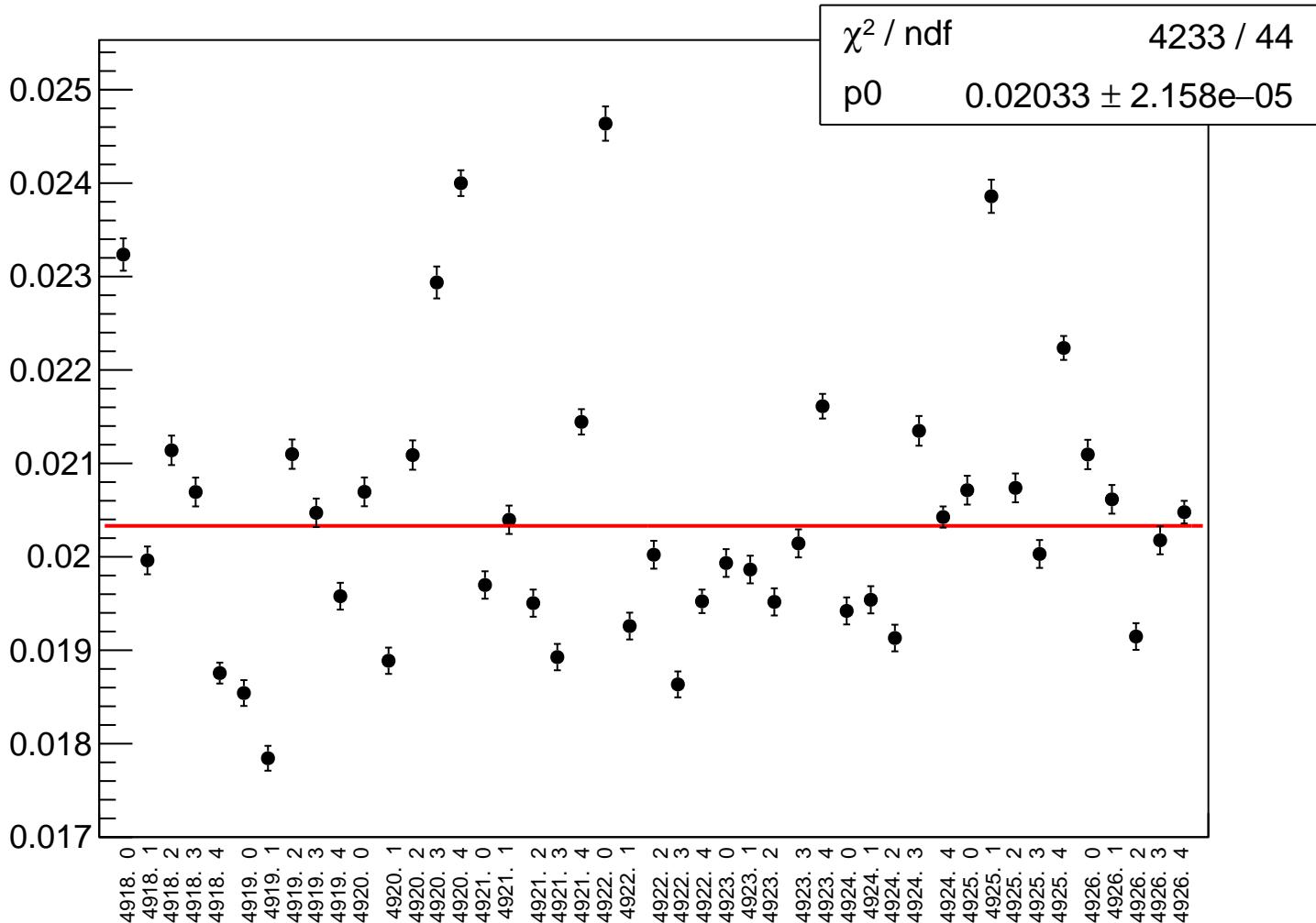
# yield\_bpm0l03Y\_rms vs run



# yield\_bpm0l04X\_mean vs run

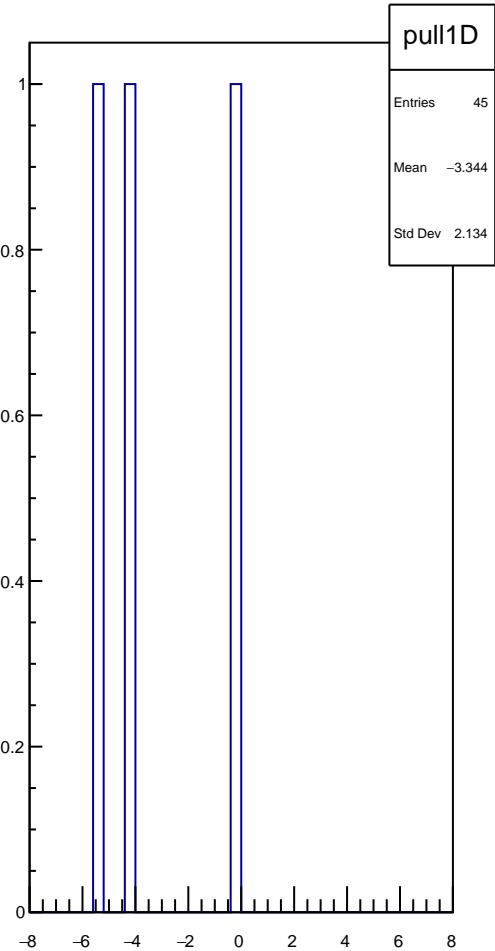
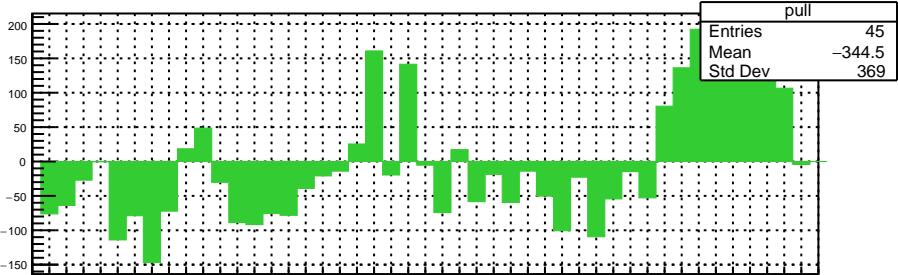
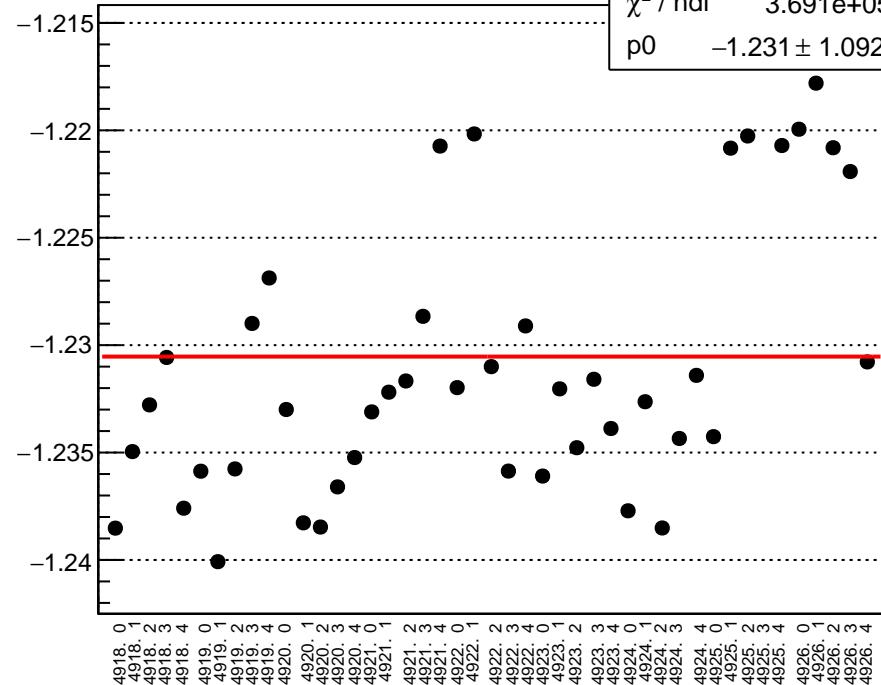


# yield\_bpm0l04X\_rms vs run

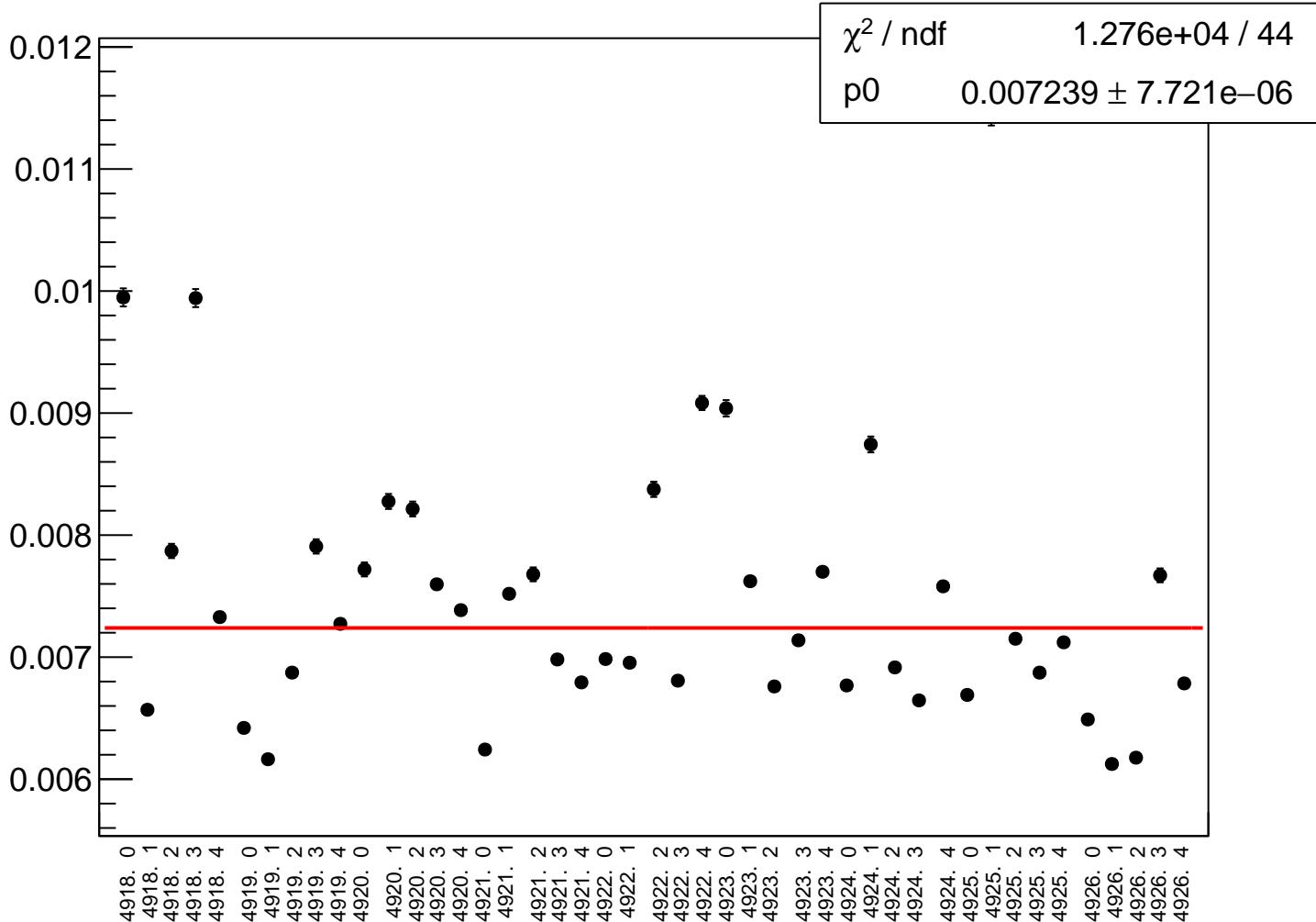


# yield\_bpm0I04Y\_mean vs run

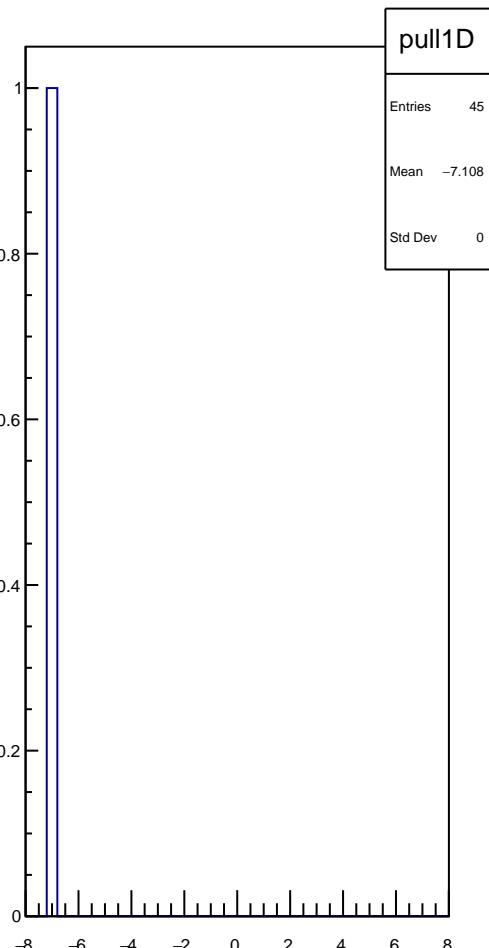
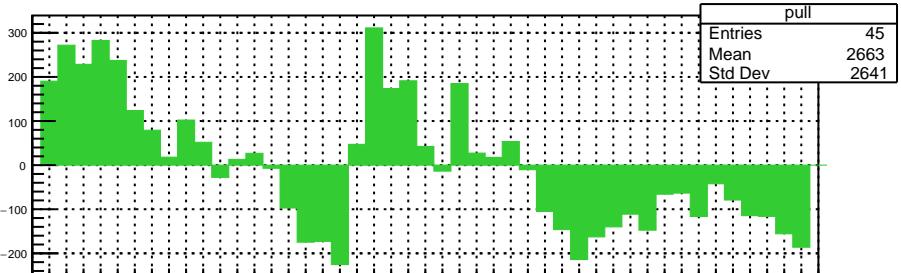
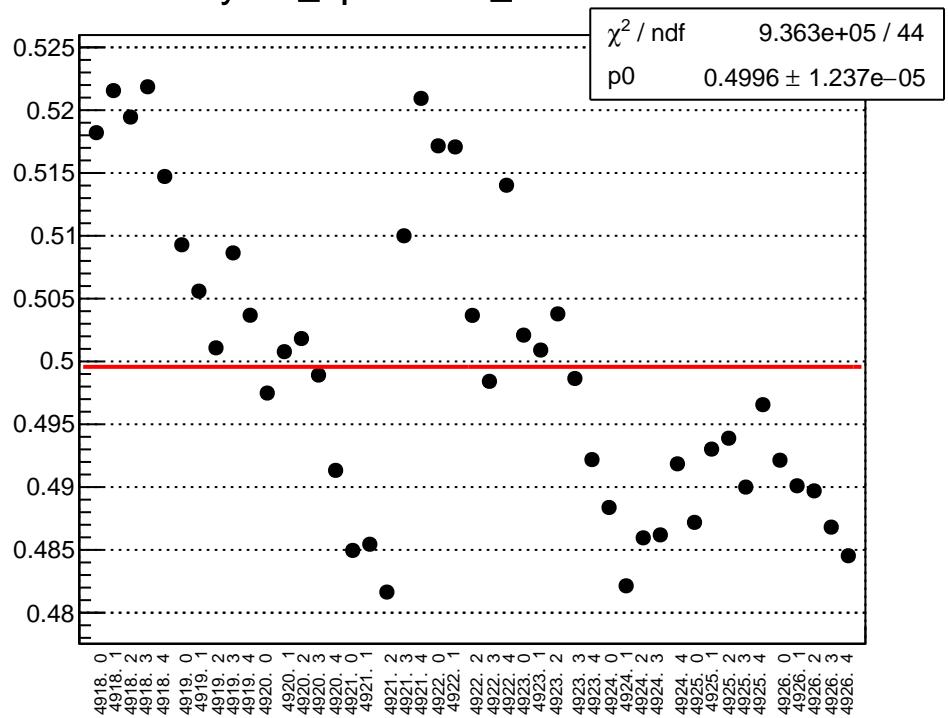
$\chi^2 / \text{ndf}$  3.691e+05 / 44  
 $p_0$   $-1.231 \pm 1.092\text{e}{-05}$



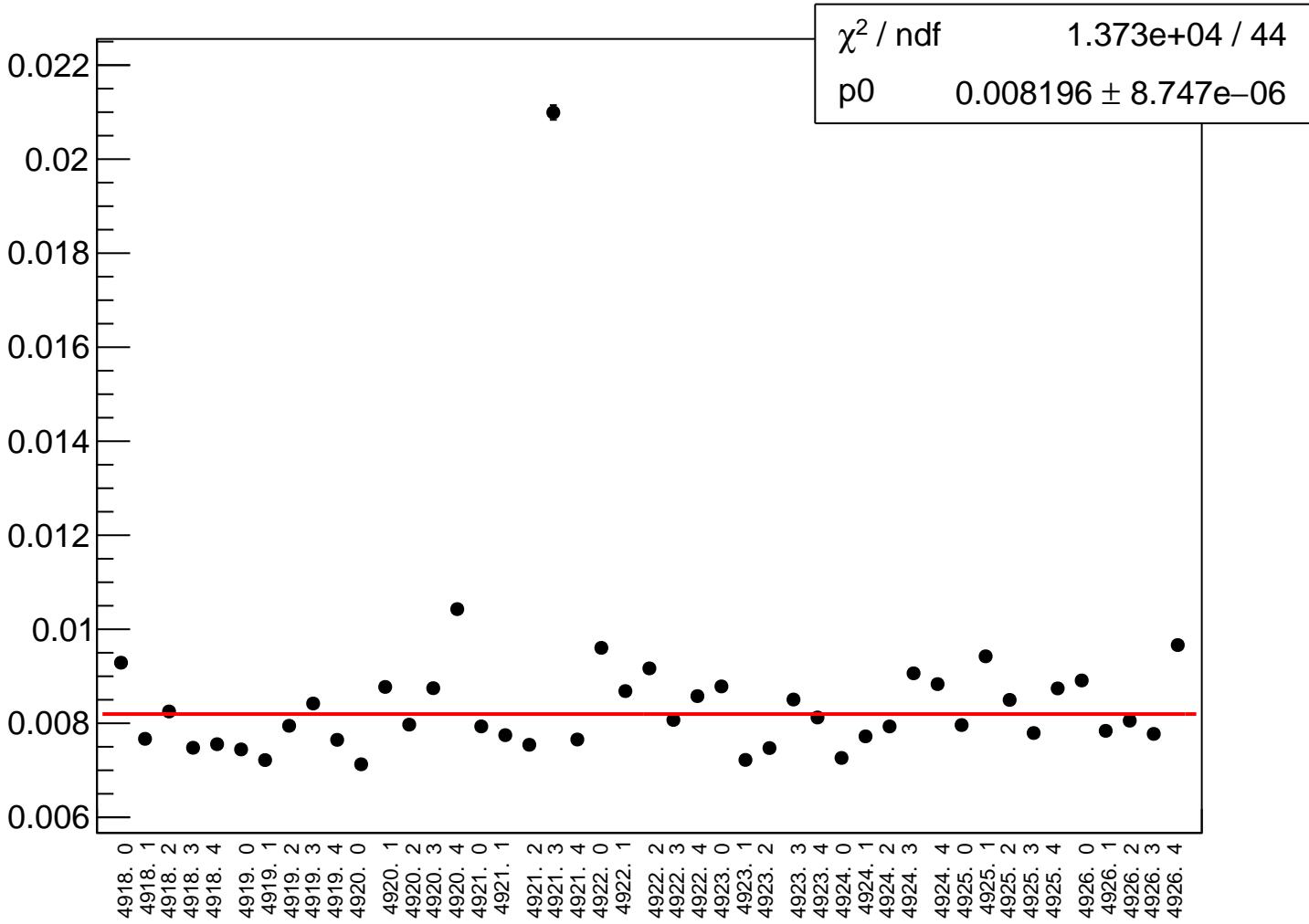
# yield\_bpm0l04Y\_rms vs run



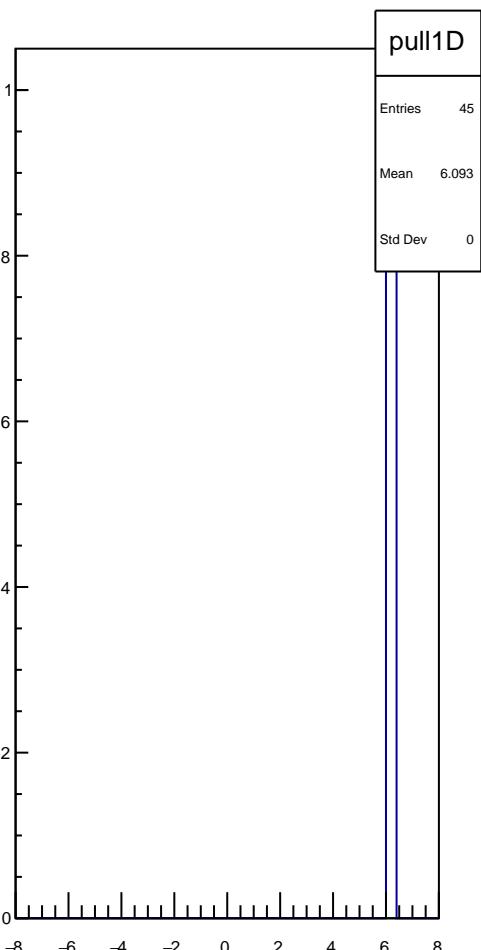
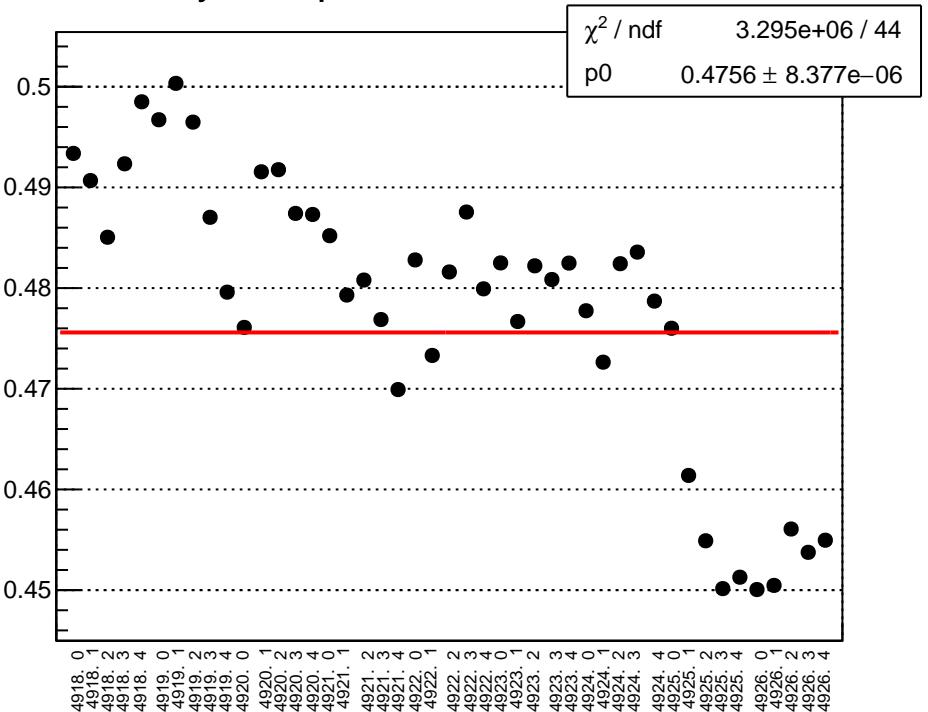
# yield\_bpm0l05X\_mean vs run



# yield\_bpm0l05X\_rms vs run

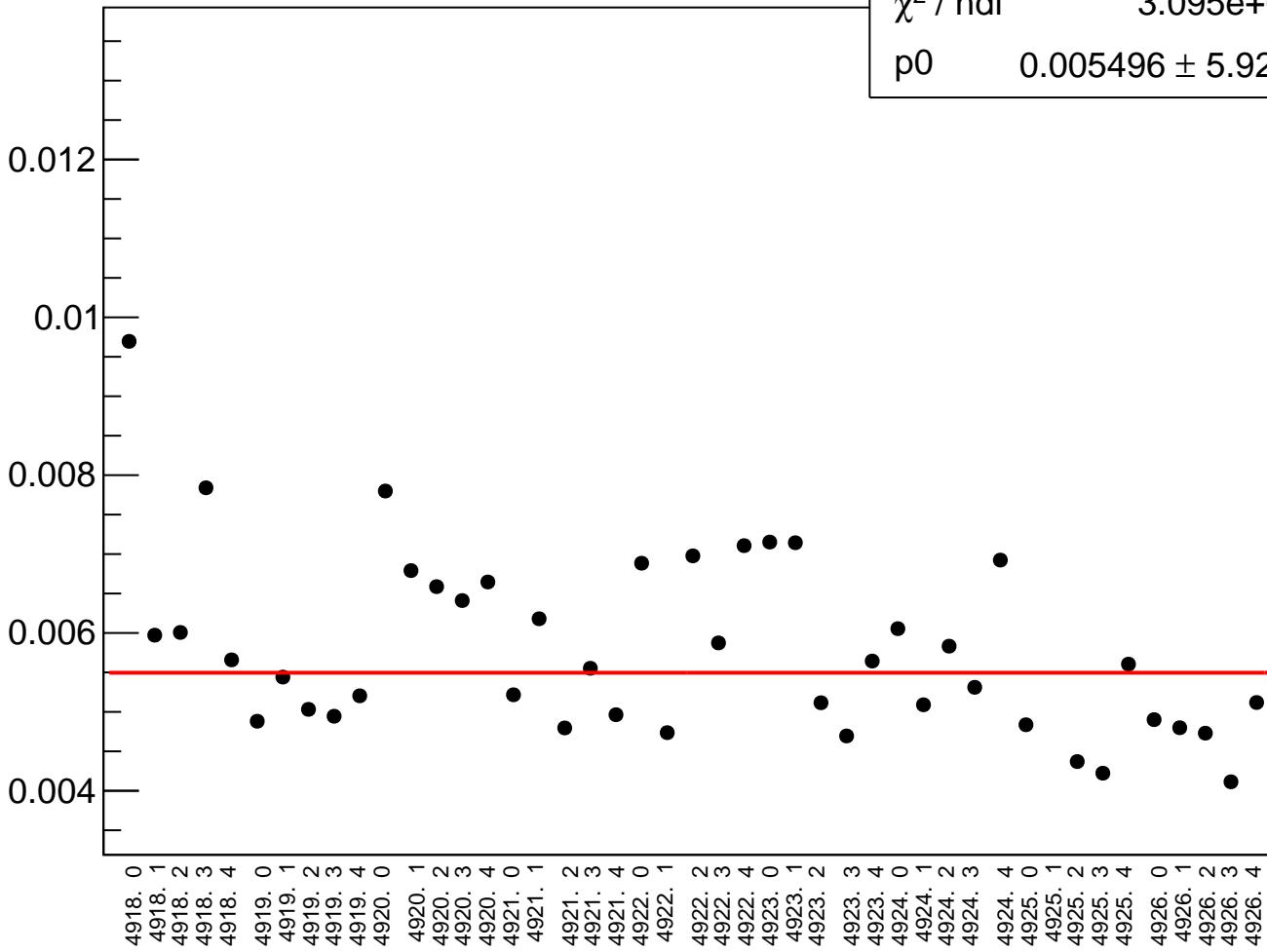


# yield\_bpm0I05Y\_mean vs run

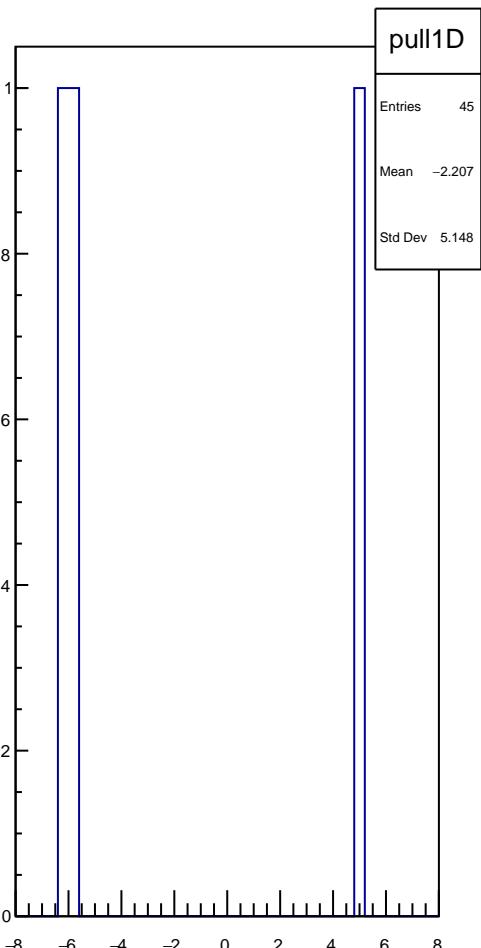
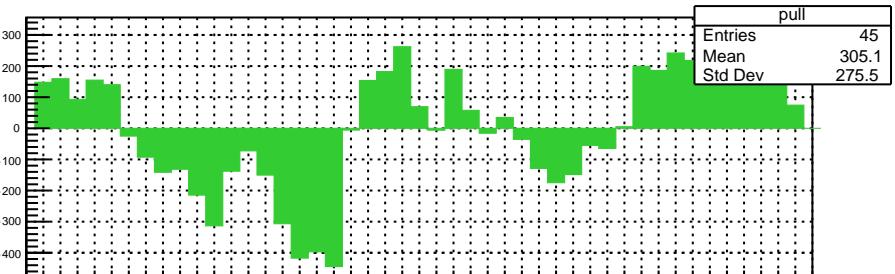
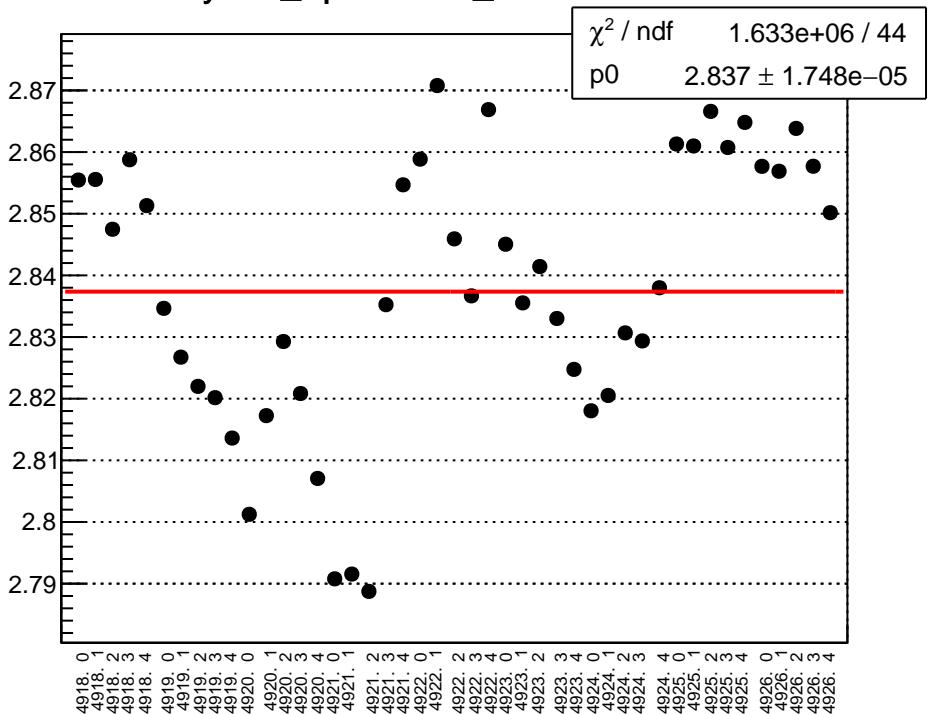


# yield\_bpm0l05Y\_rms vs run

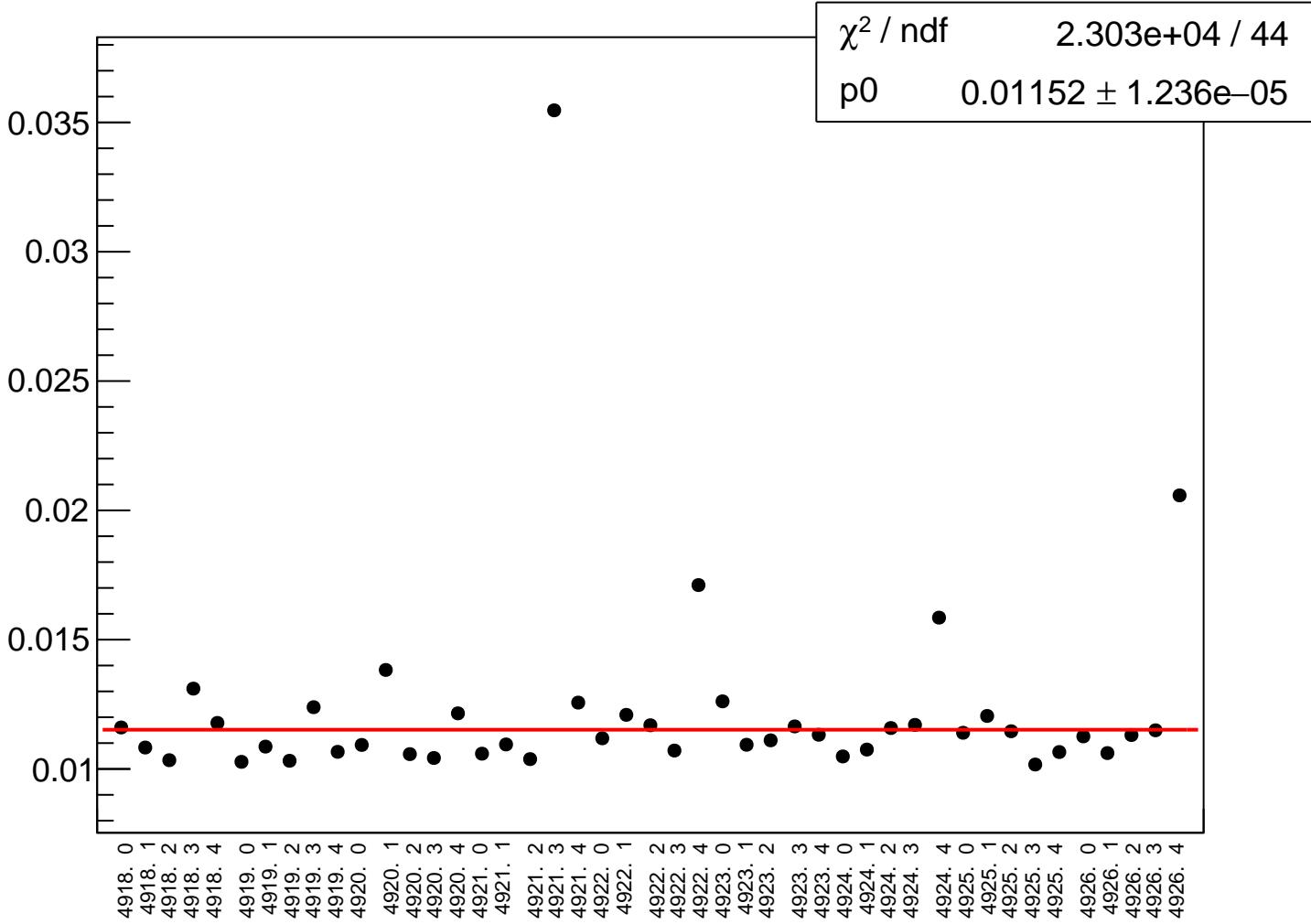
$\chi^2 / \text{ndf}$  3.095e+04 / 44  
p0  $0.005496 \pm 5.924\text{e}{-}06$



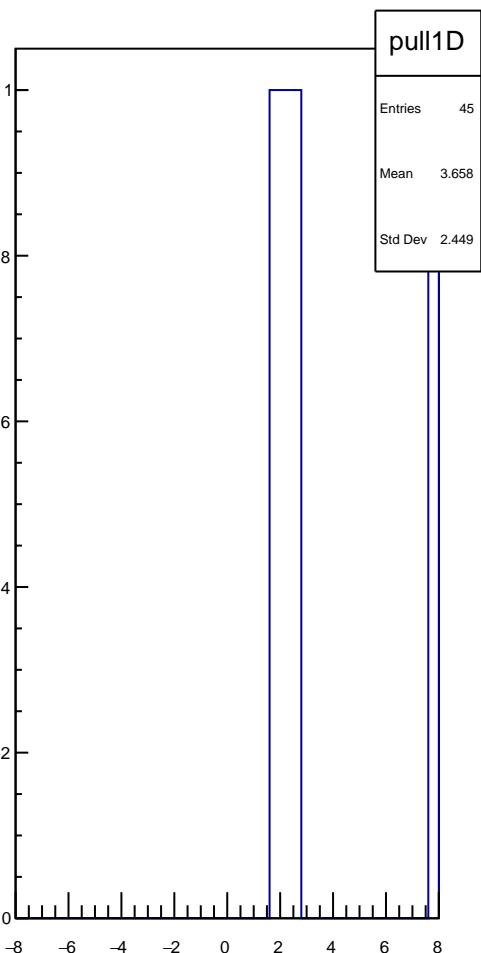
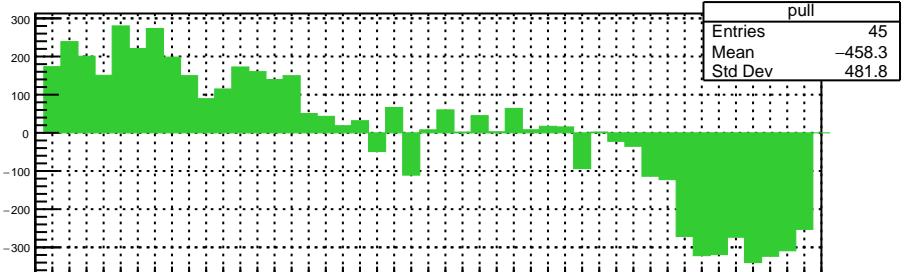
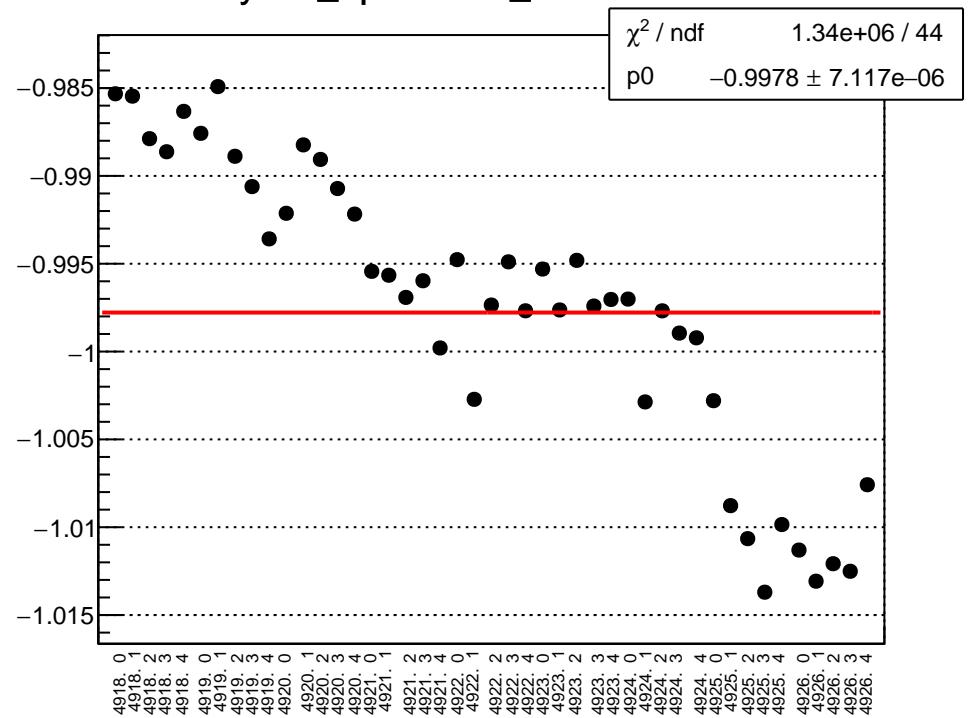
# yield\_bpm0l06X\_mean vs run



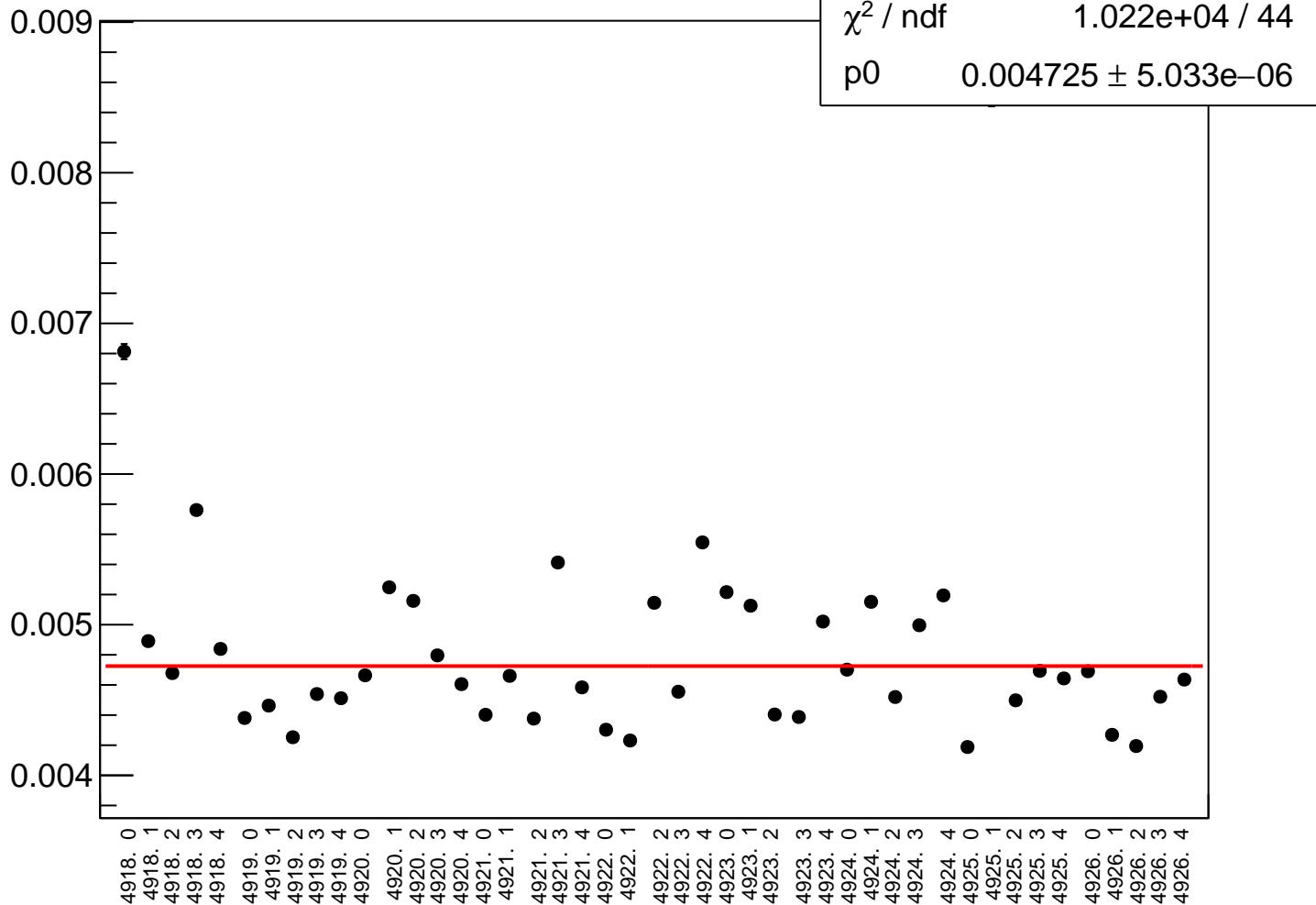
# yield\_bpm0l06X\_rms vs run



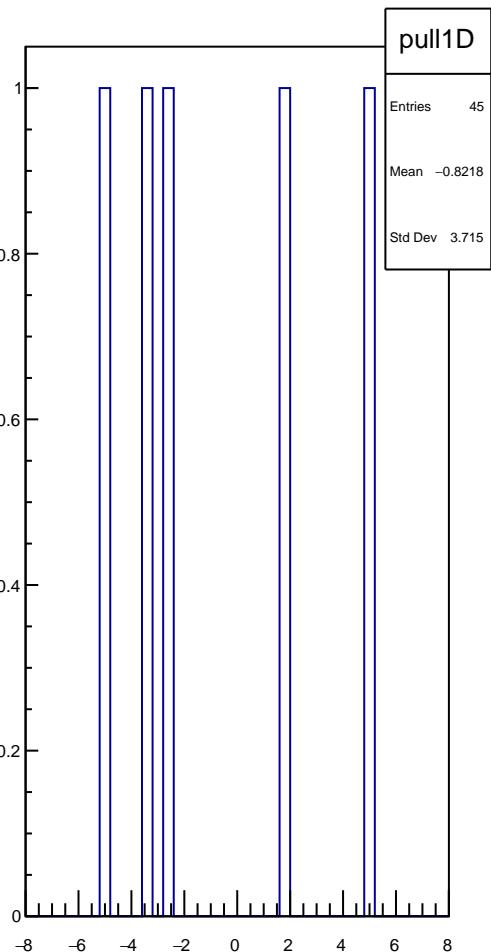
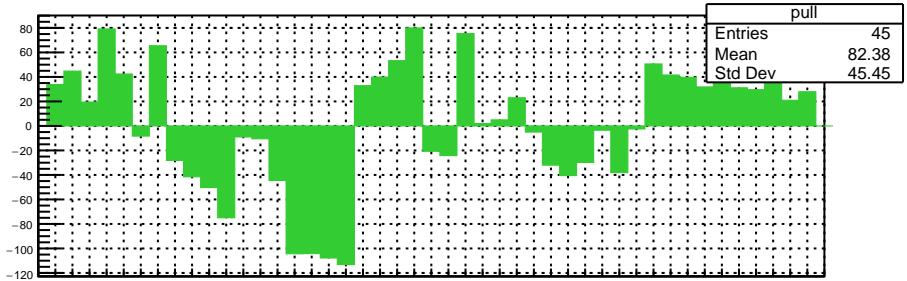
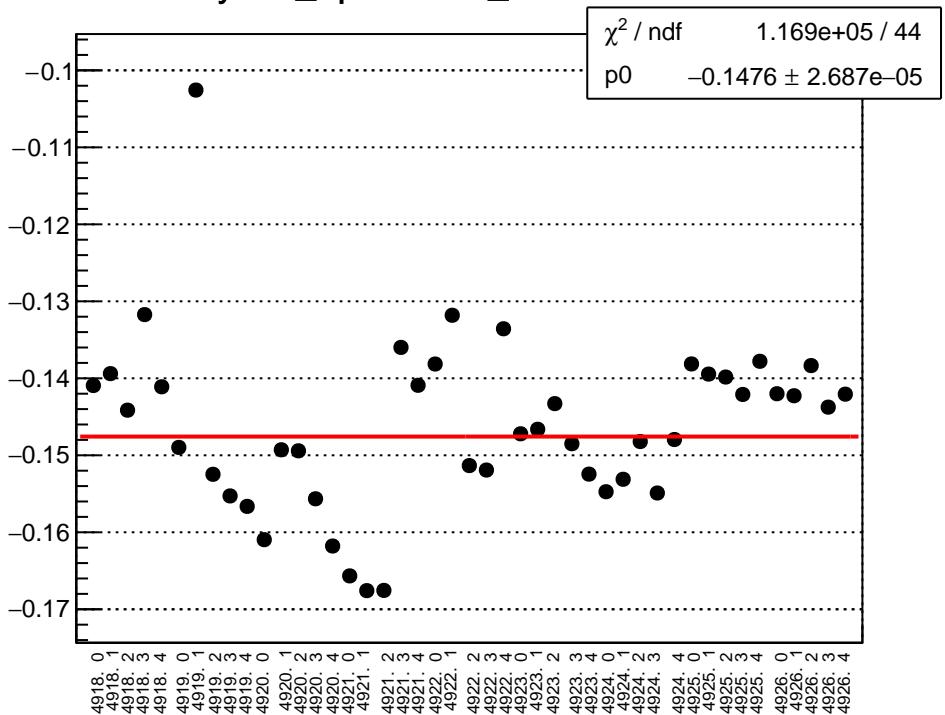
# yield\_bpm0I06Y\_mean vs run



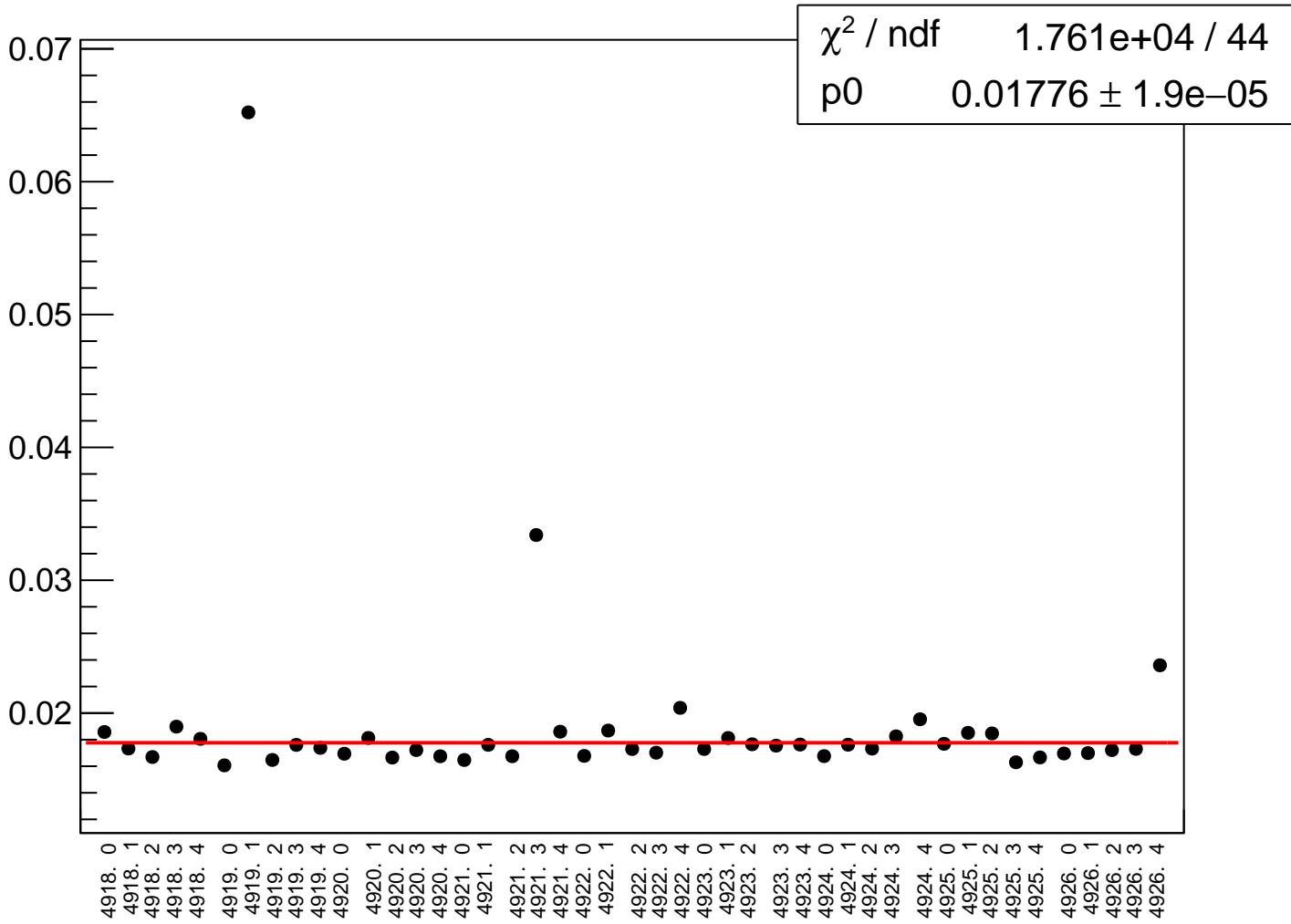
# yield\_bpm0l06Y\_rms vs run



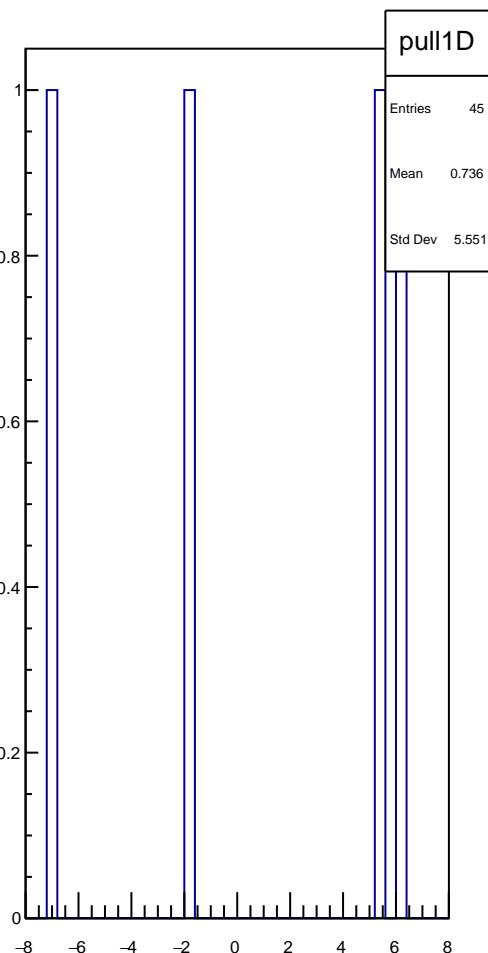
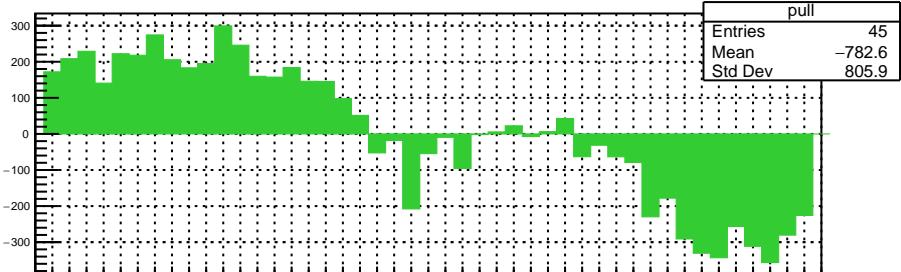
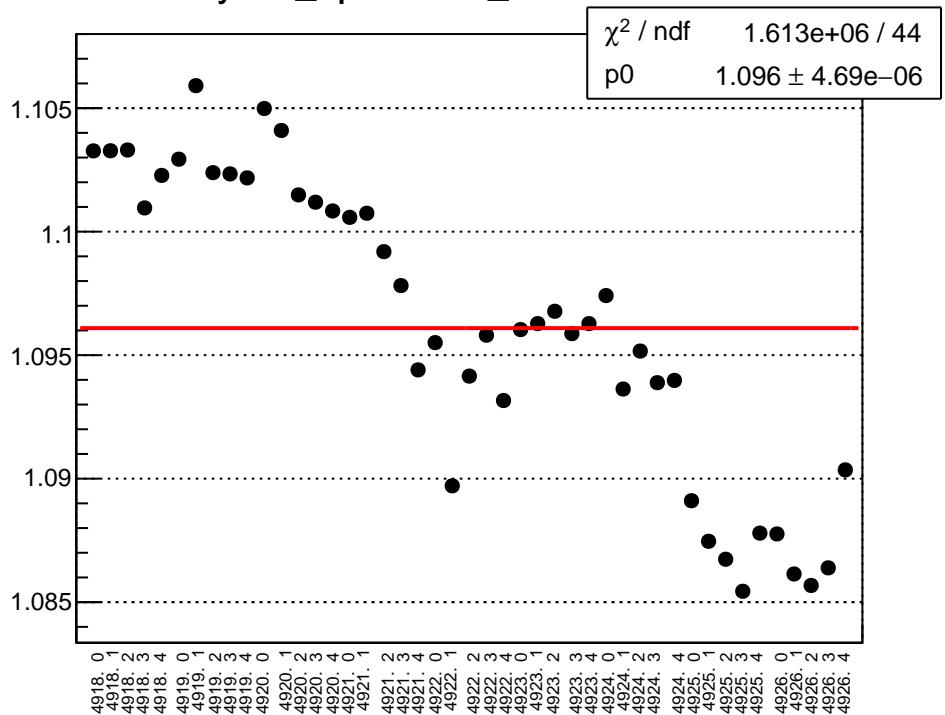
# yield\_bpm0l07X\_mean vs run



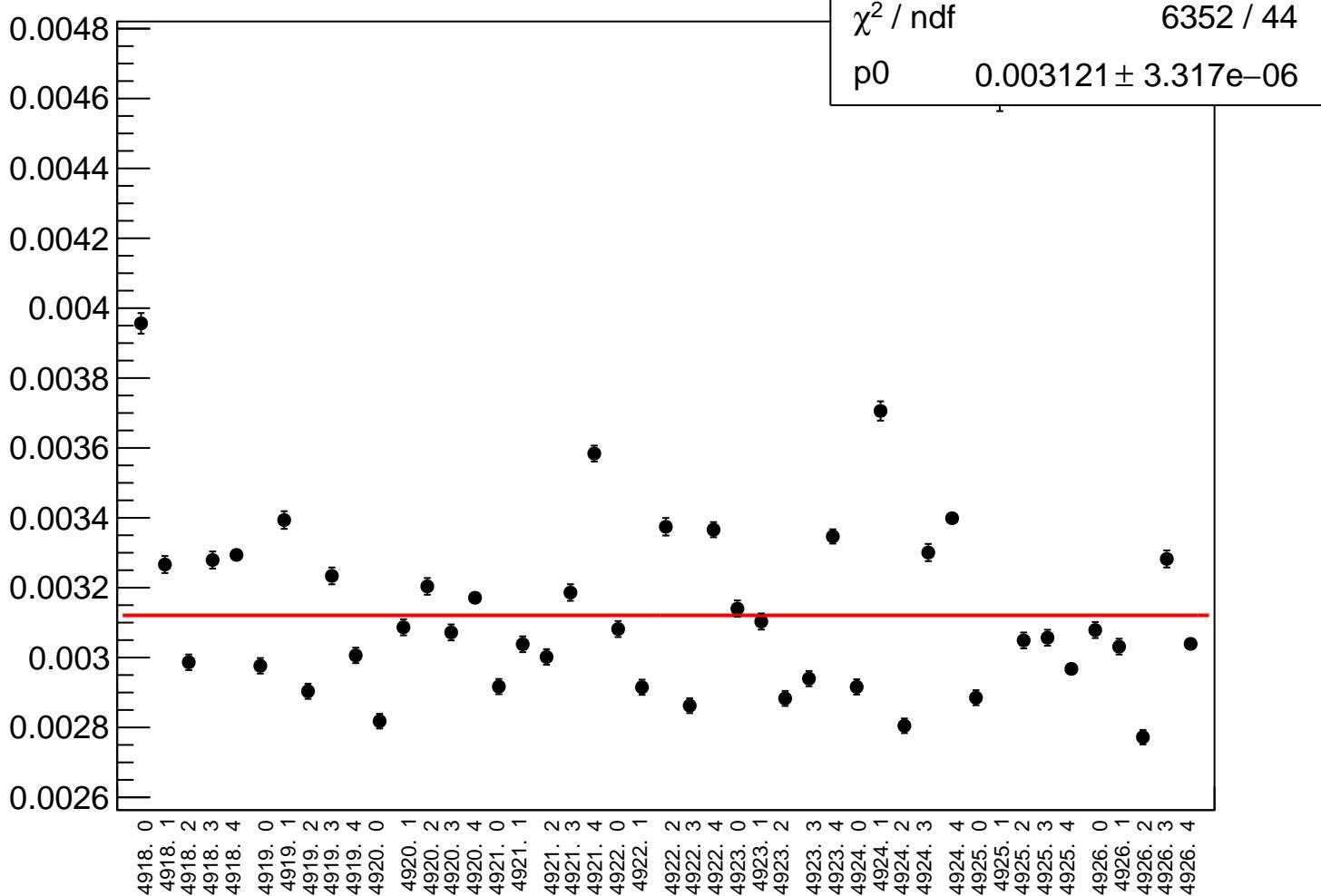
# yield\_bpm0l07X\_rms vs run



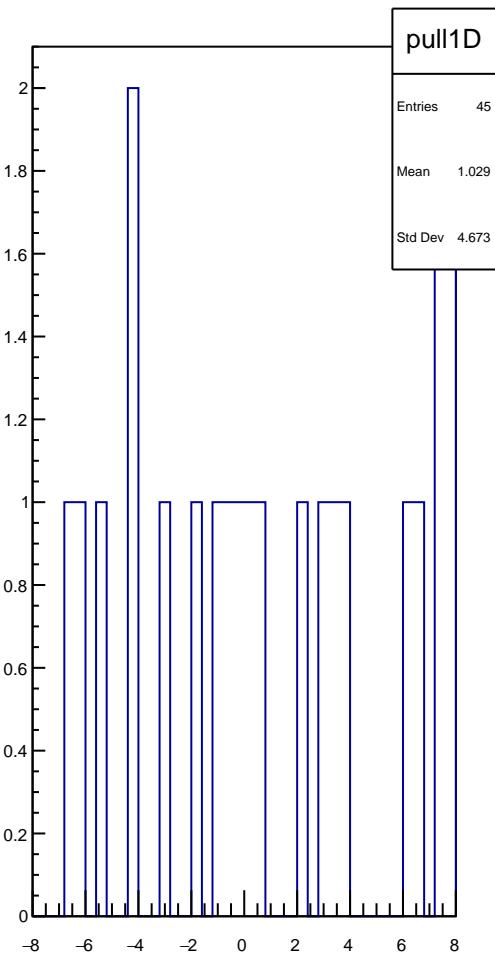
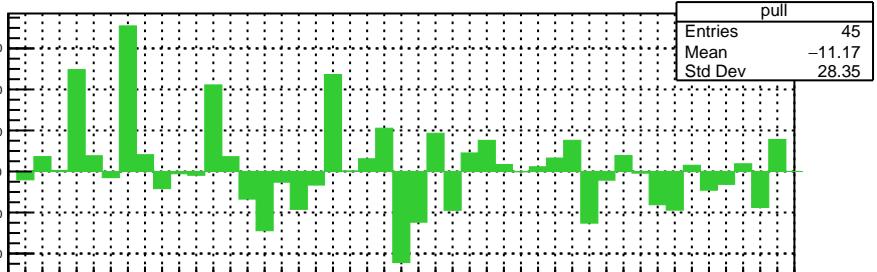
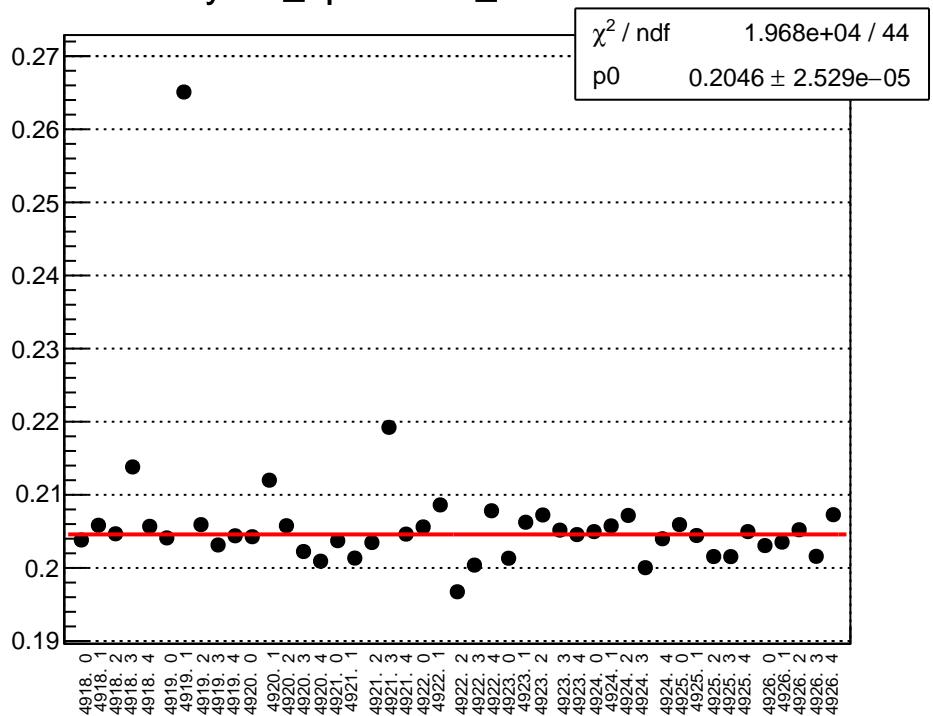
# yield\_bpm0I07Y\_mean vs run



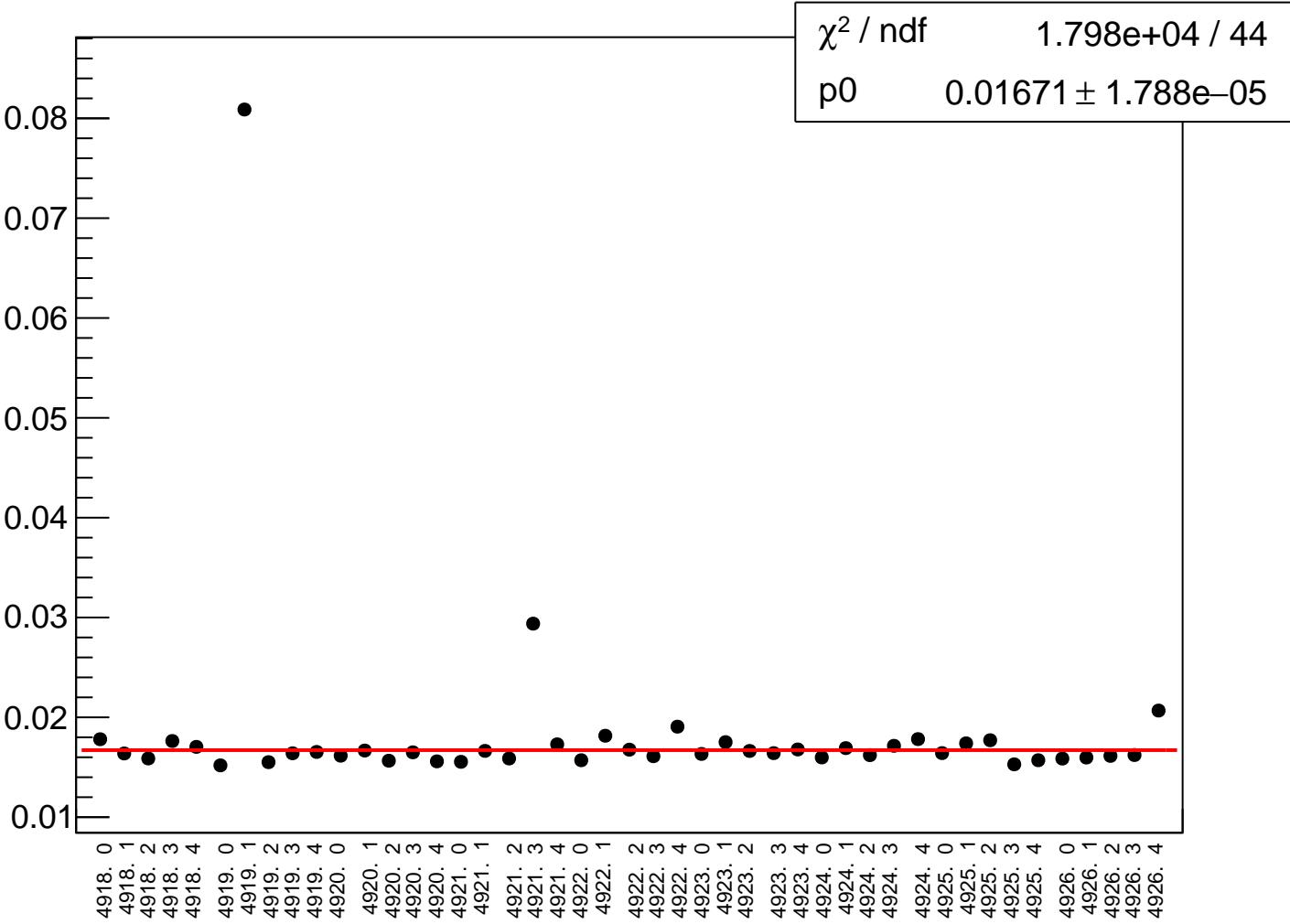
# yield\_bpm0l07Y\_rms vs run



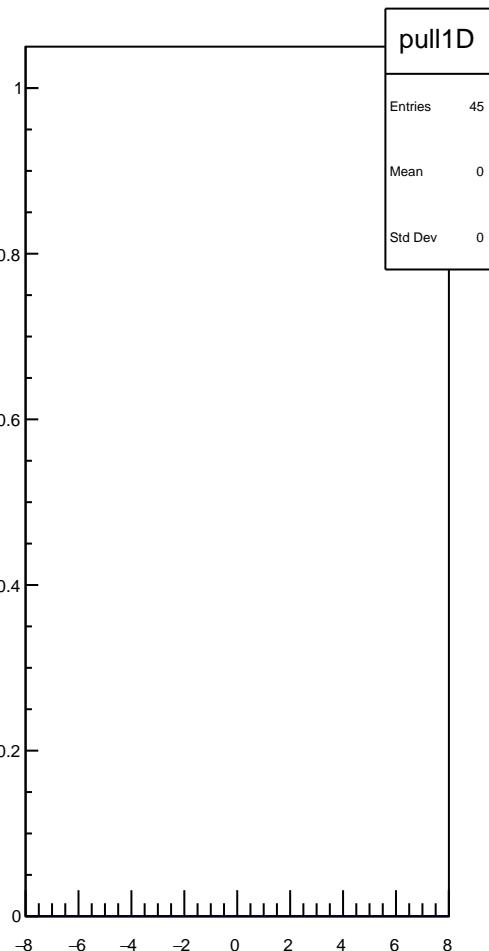
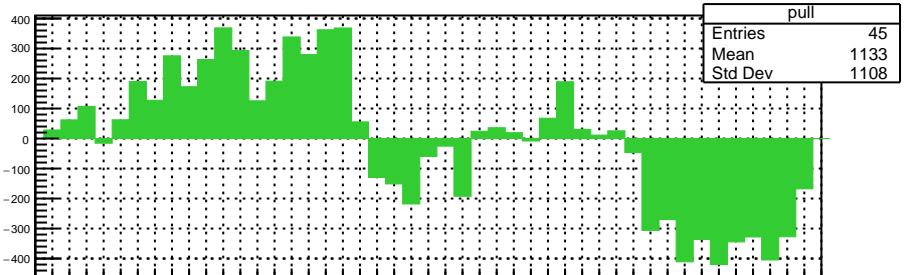
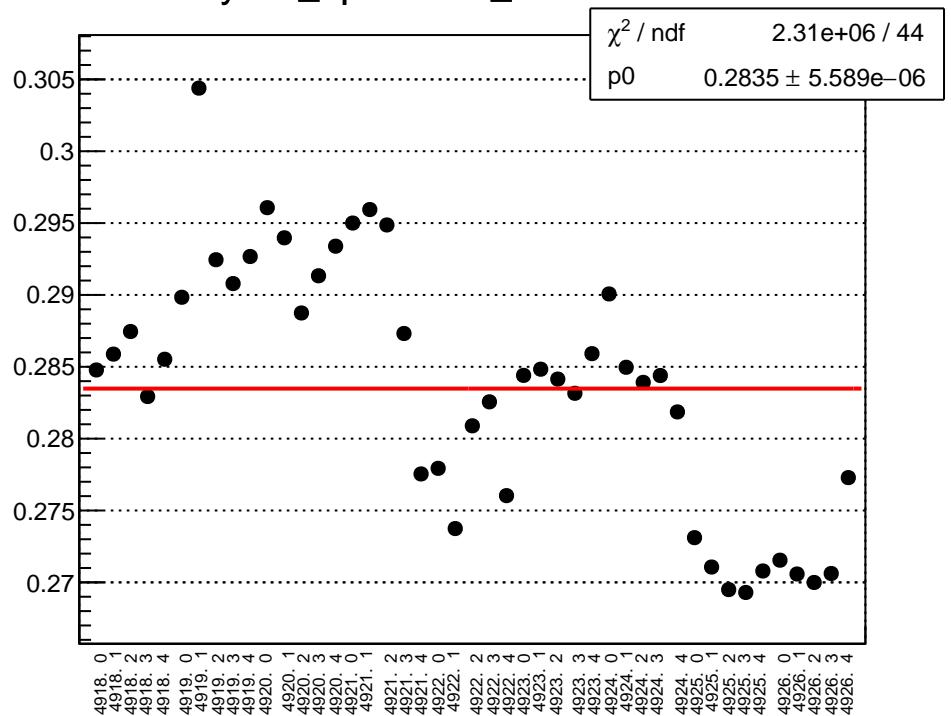
# yield\_bpm0l08X\_mean vs run



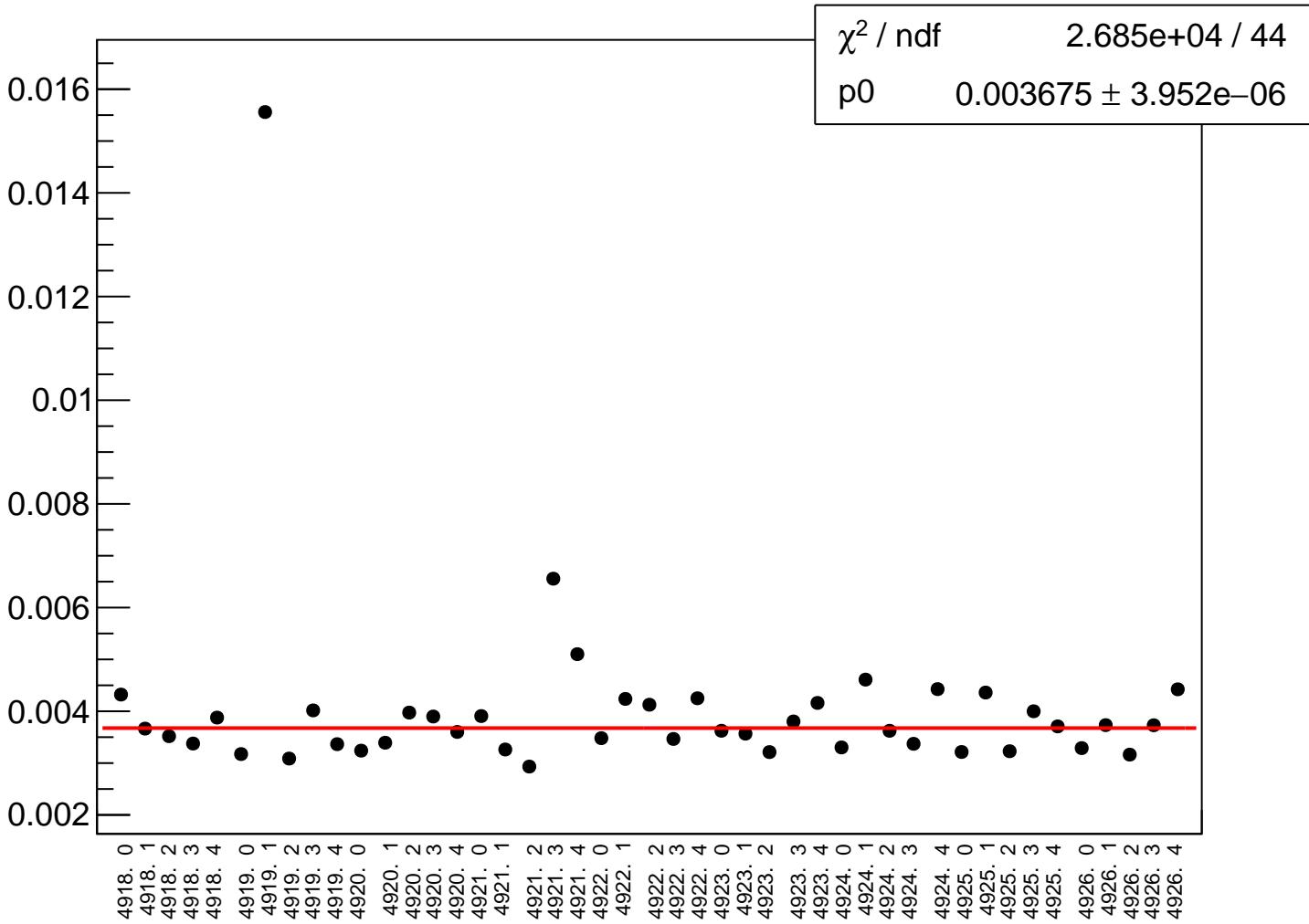
# yield\_bpm0l08X\_rms vs run



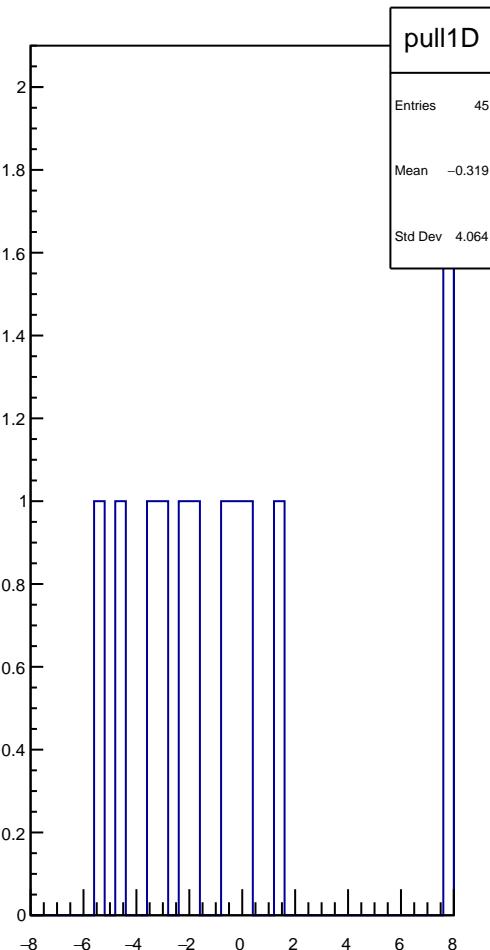
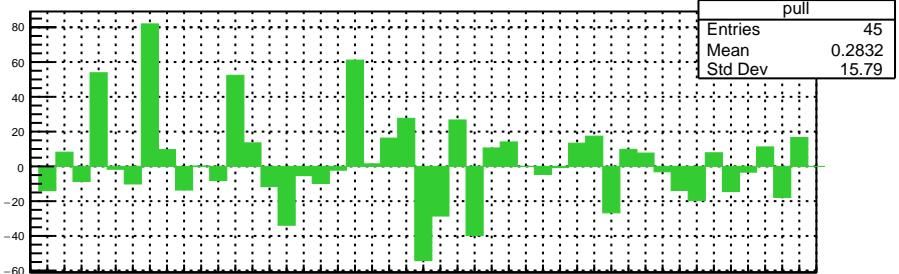
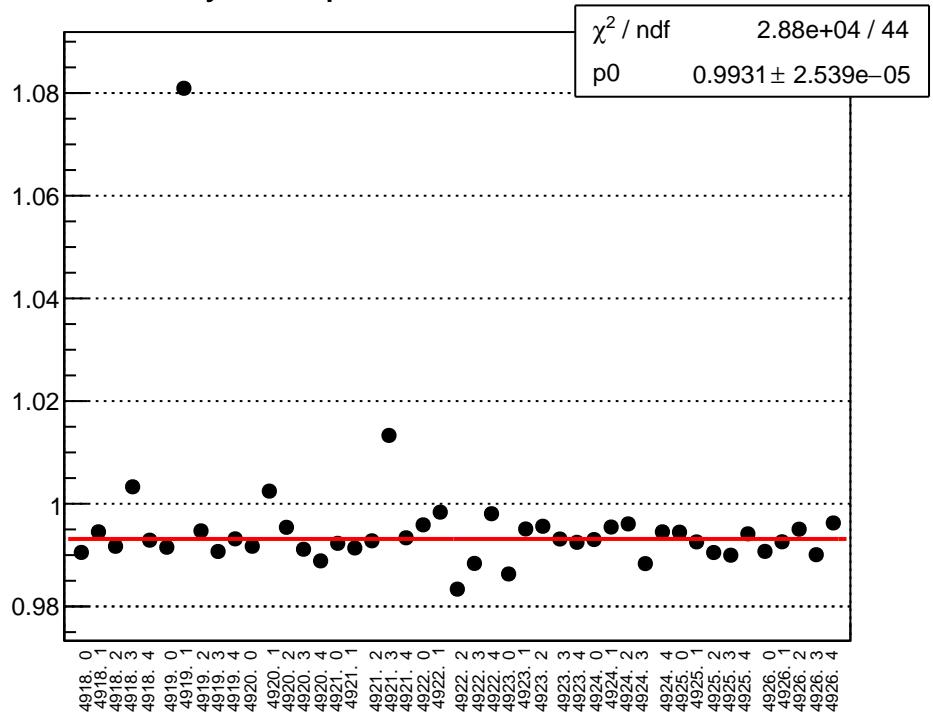
# yield\_bpm0I08Y\_mean vs run



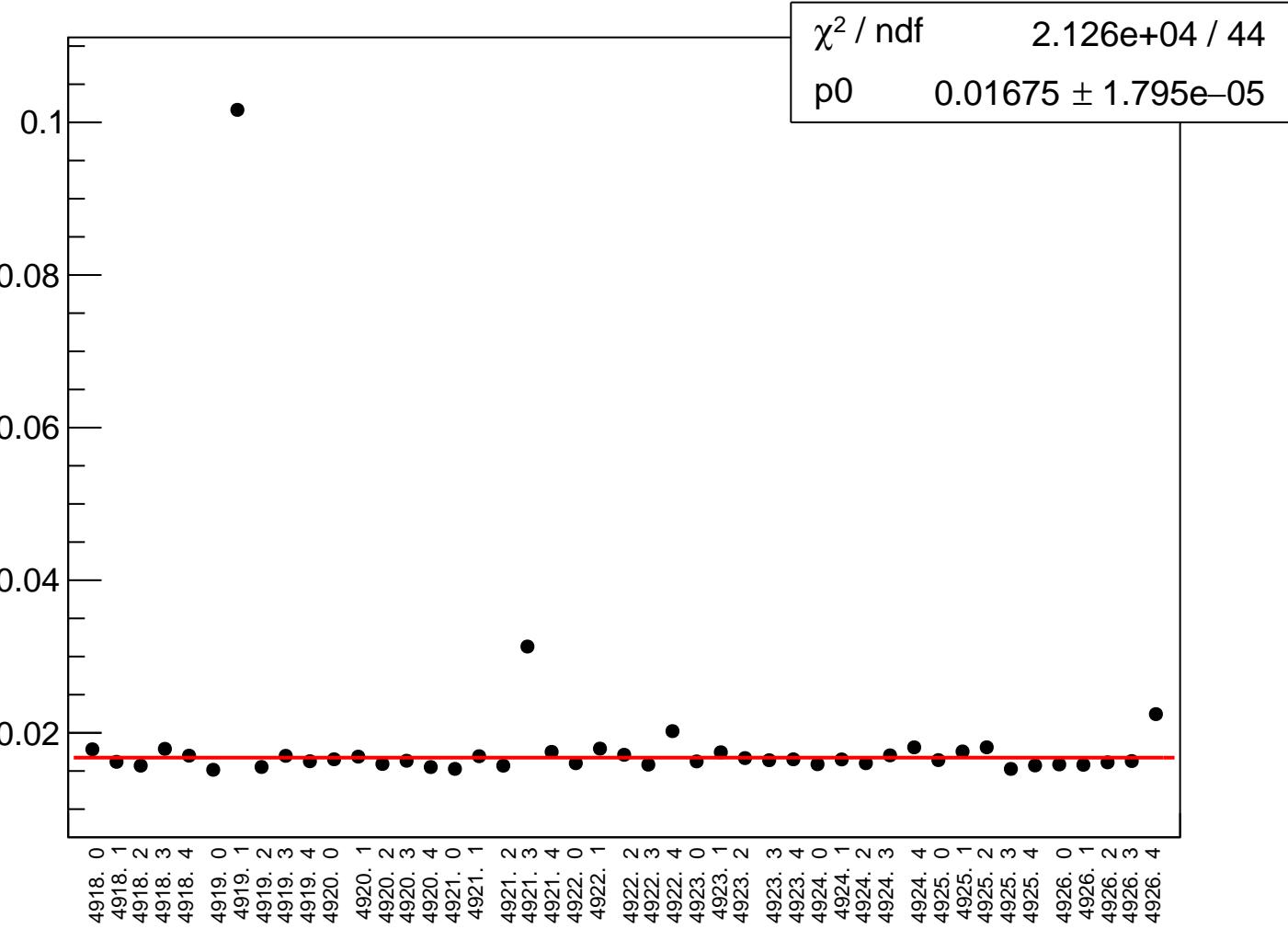
# yield\_bpm0l08Y\_rms vs run



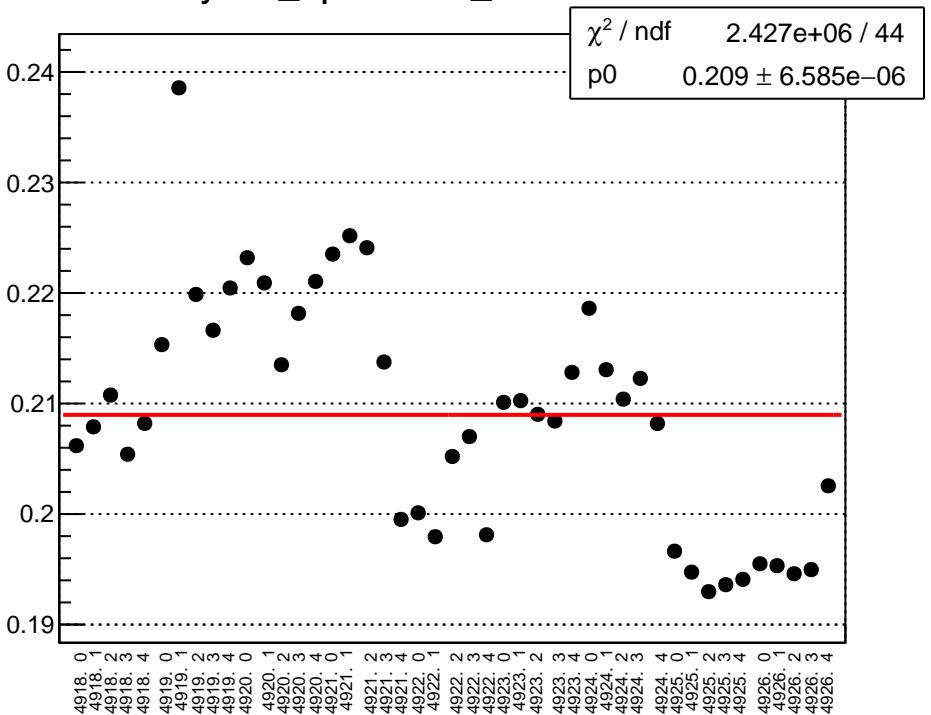
# yield\_bpm0l09X\_mean vs run



# yield\_bpm0l09X\_rms vs run



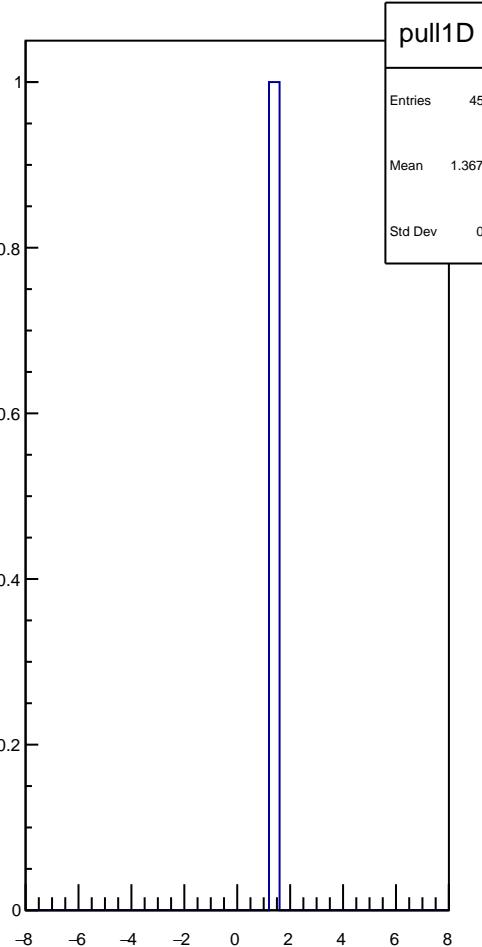
# yield\_bpm0I09Y\_mean vs run



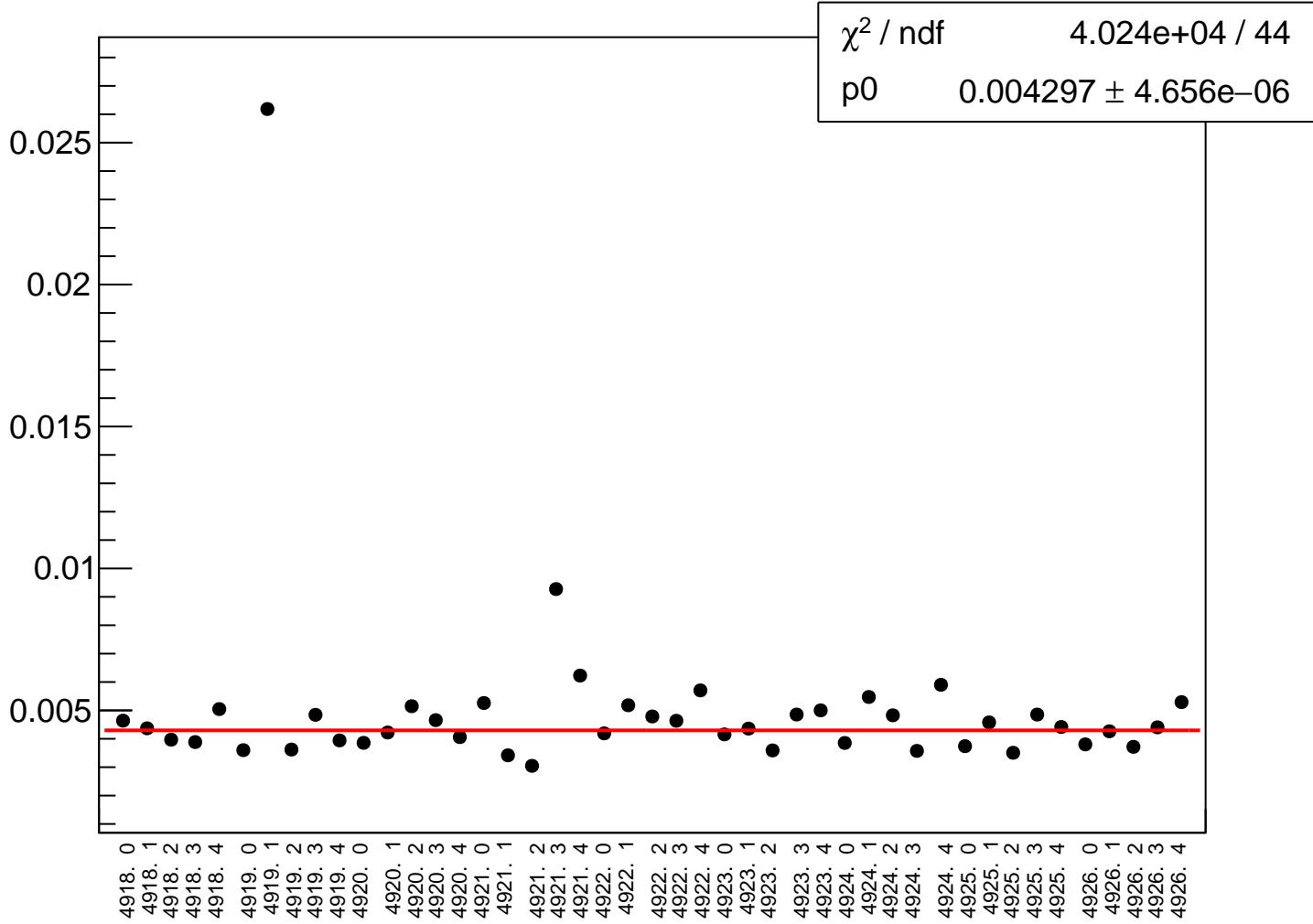
$\chi^2 / ndf$  2.427e+06 / 44  
 $p_0$   $0.209 \pm 6.585e-06$

pull1D

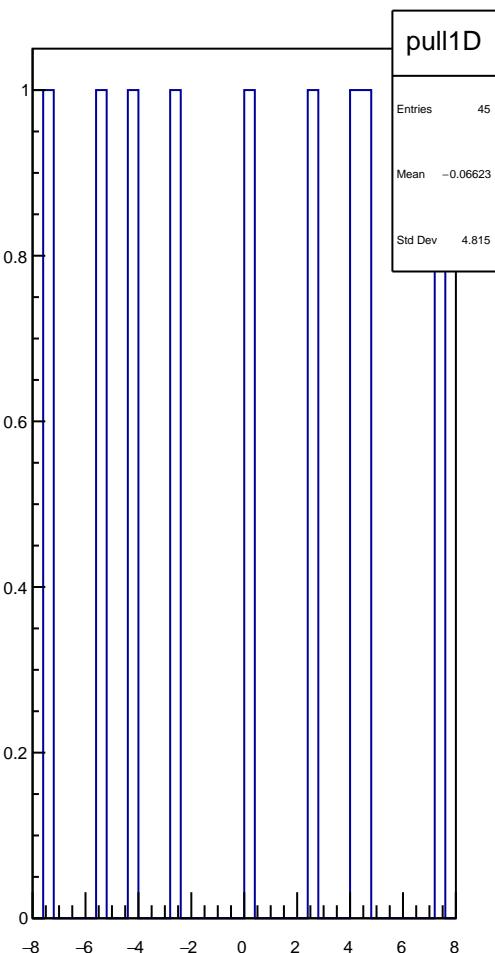
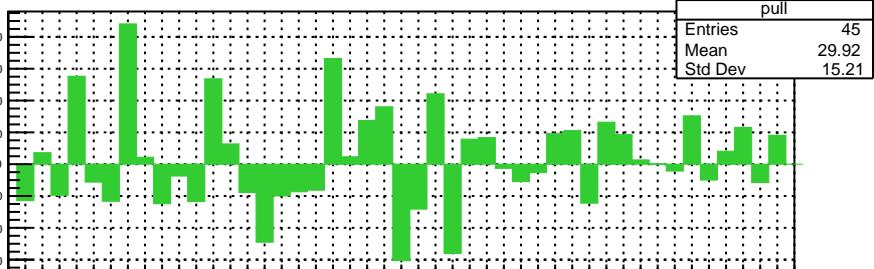
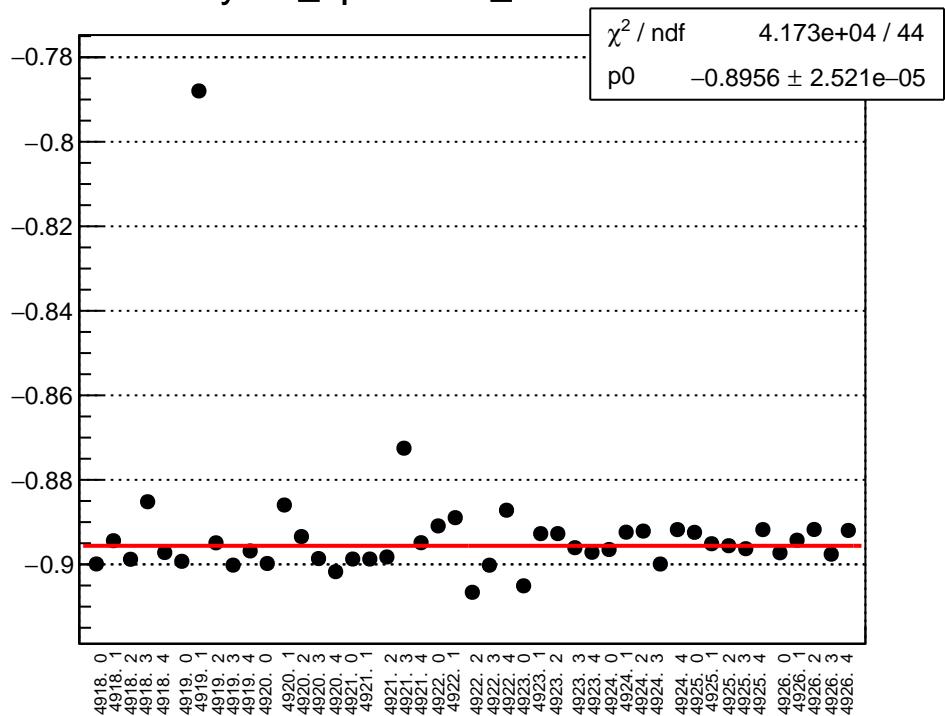
Entries 45  
 Mean 1.367  
 Std Dev 0



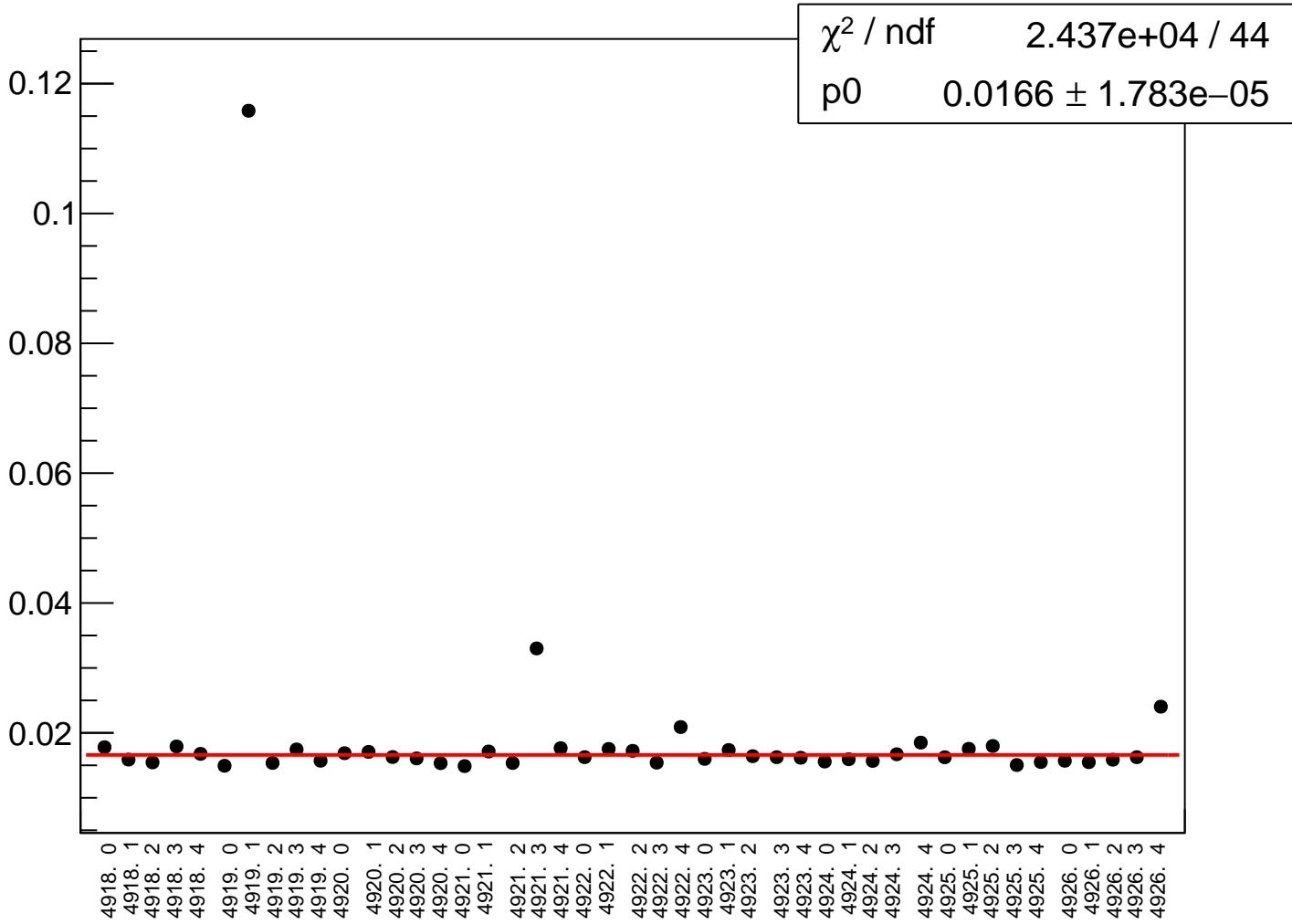
# yield\_bpm0l09Y\_rms vs run



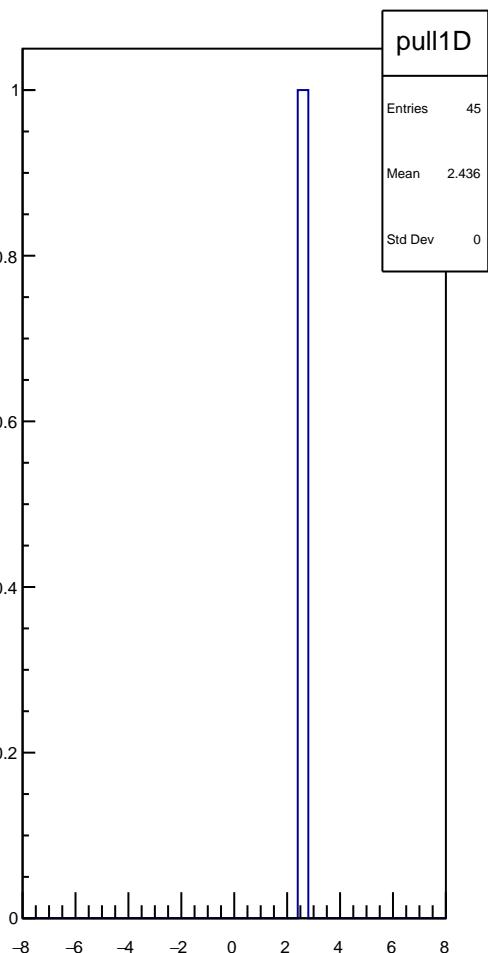
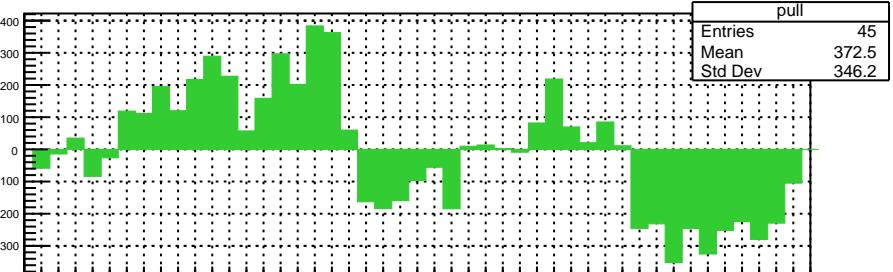
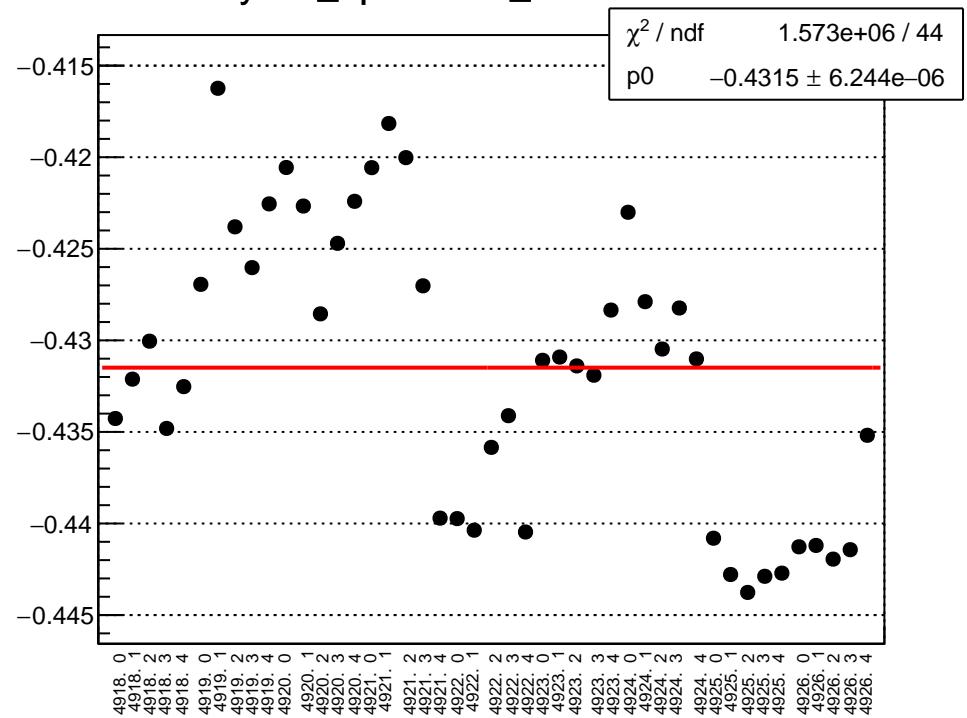
# yield\_bpm0l10X\_mean vs run



# yield\_bpm0l10X\_rms vs run



# yield\_bpm0I10Y\_mean vs run



# yield\_bpm0l10Y\_rms vs run

