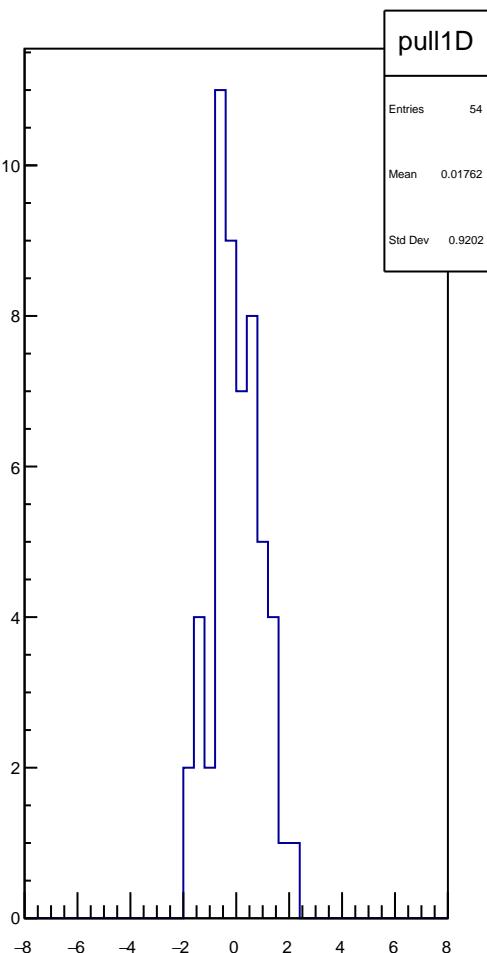
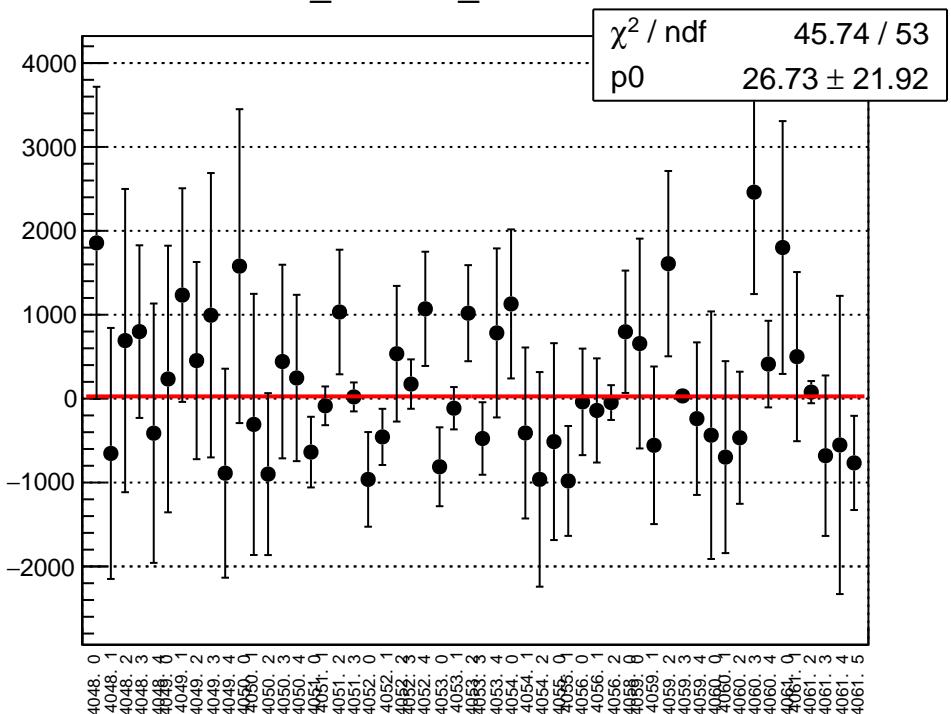
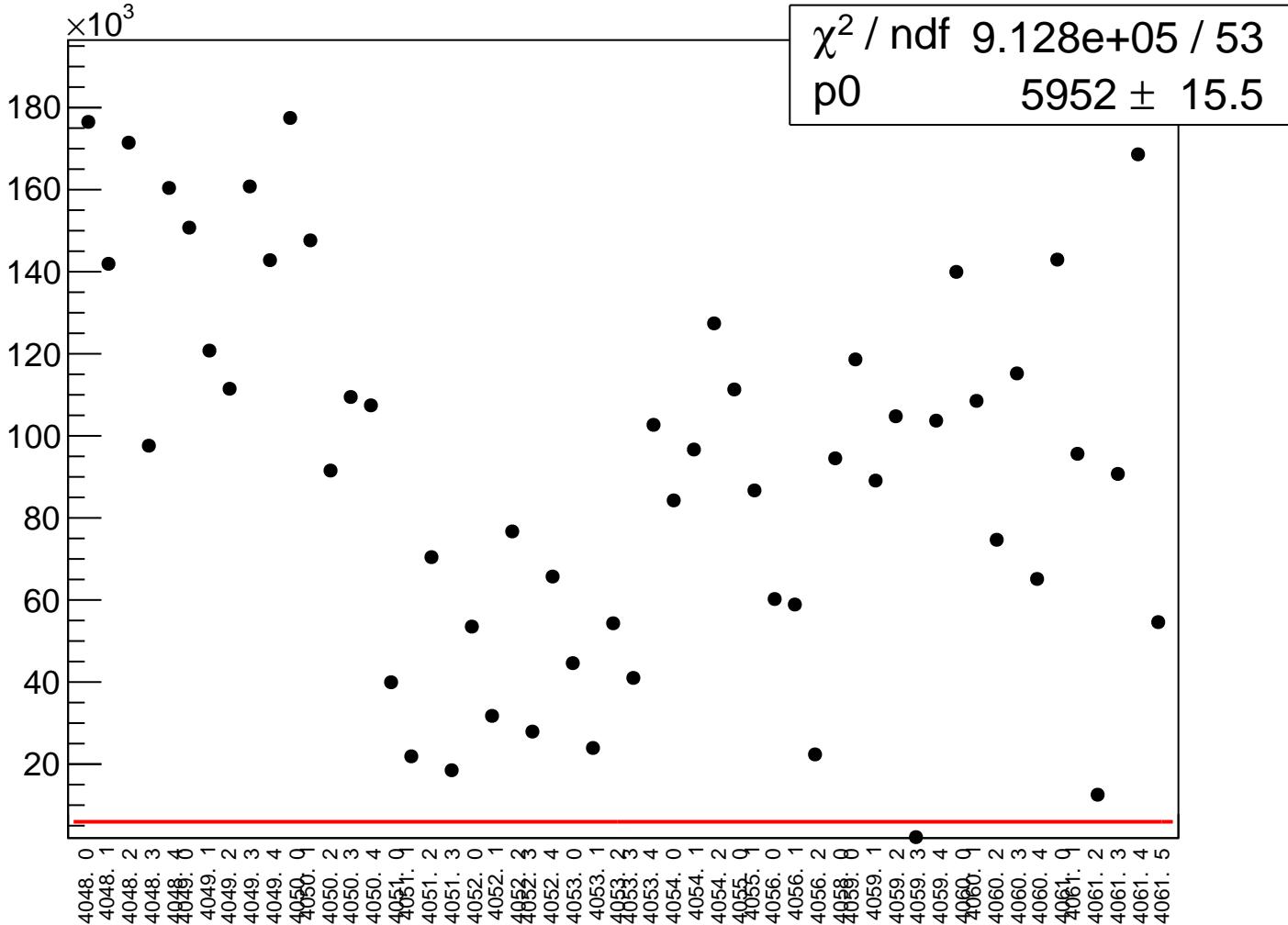


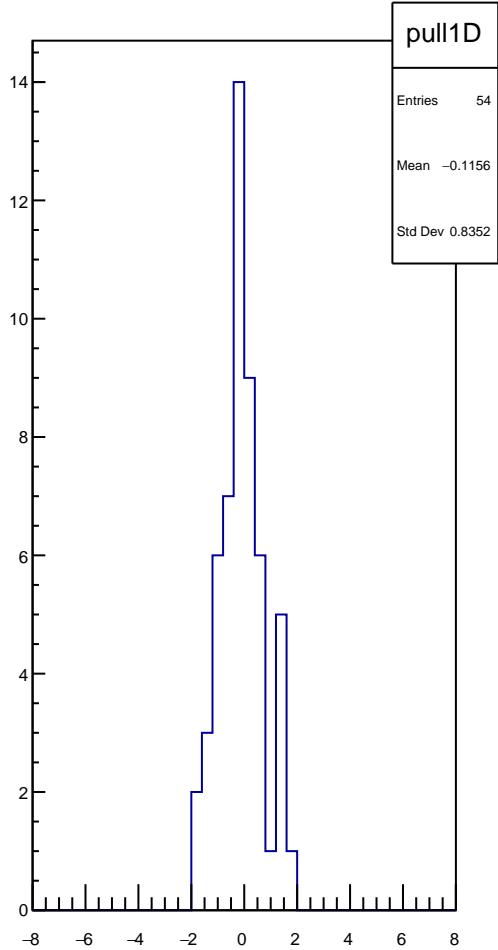
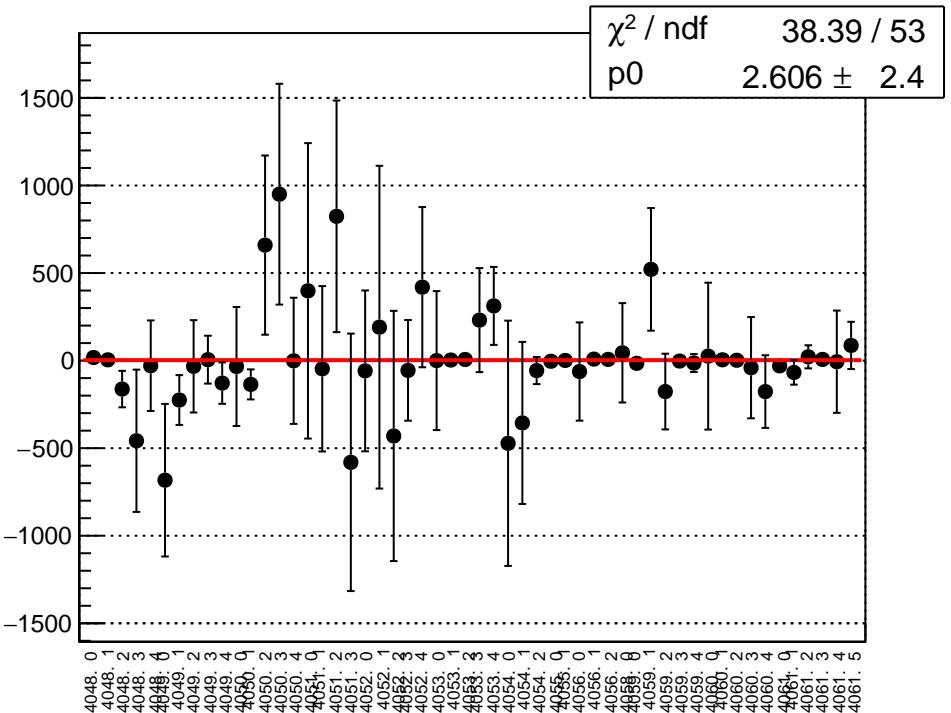
# diff\_cav4bX\_mean vs run



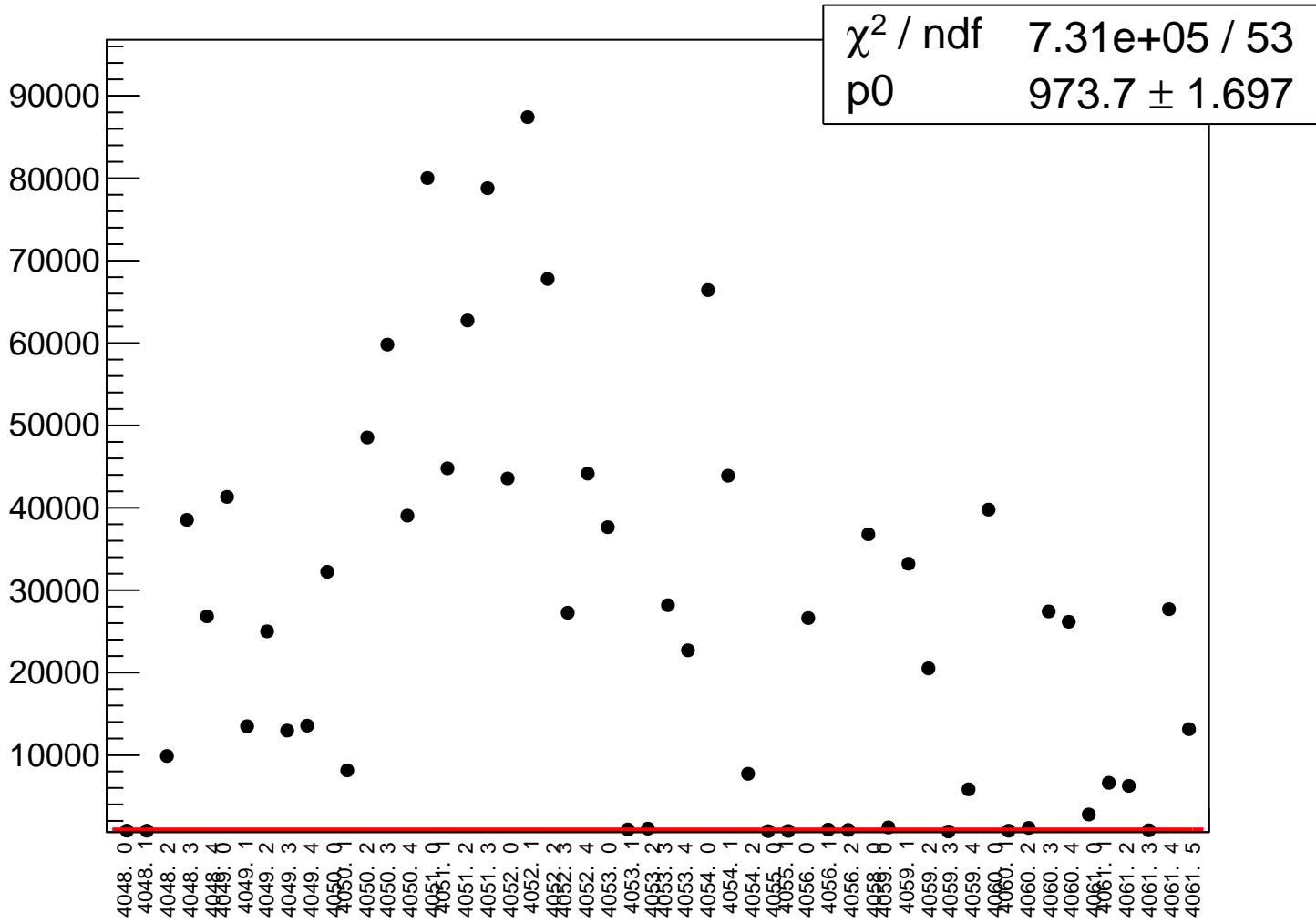
# diff\_cav4bX\_rms vs run



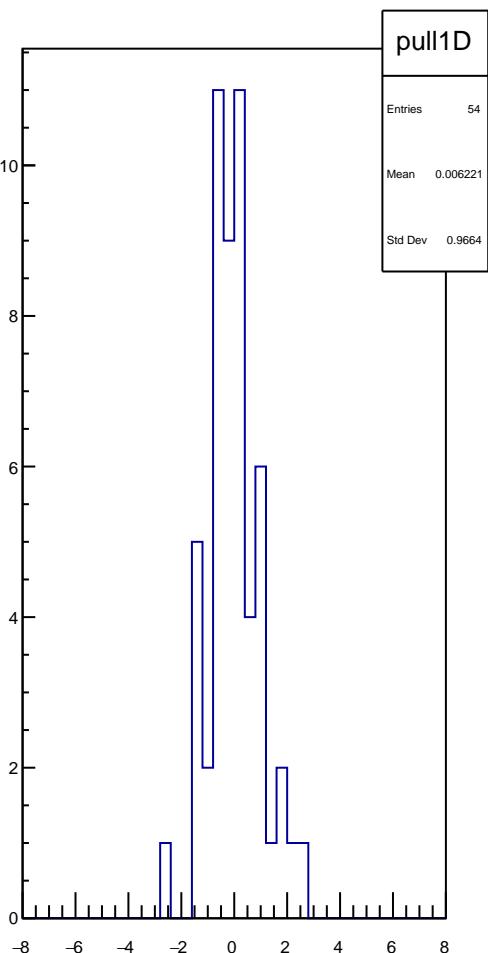
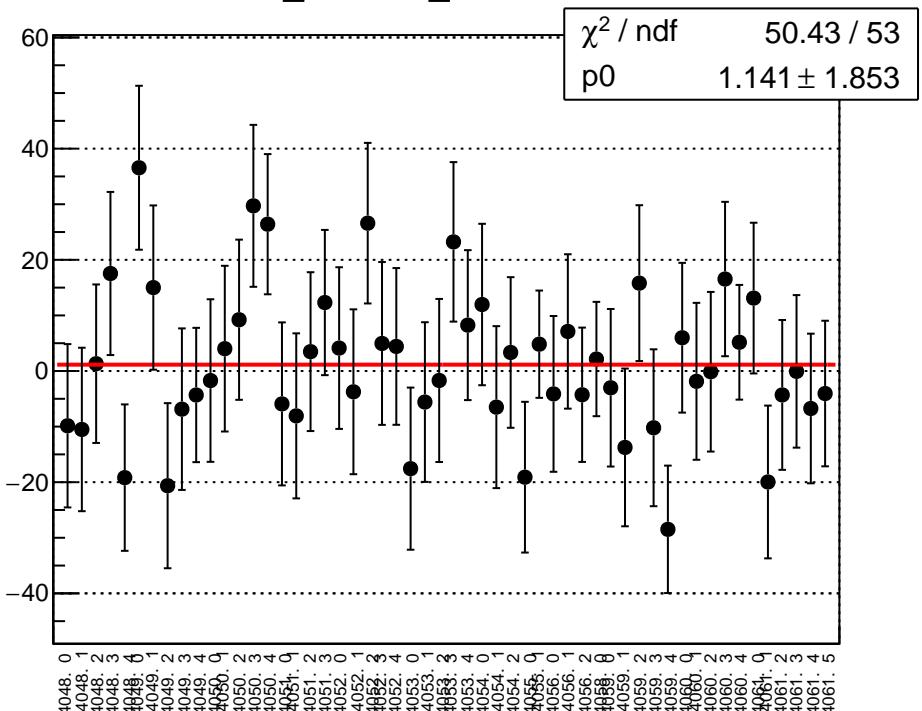
# diff\_cav4bY\_mean vs run



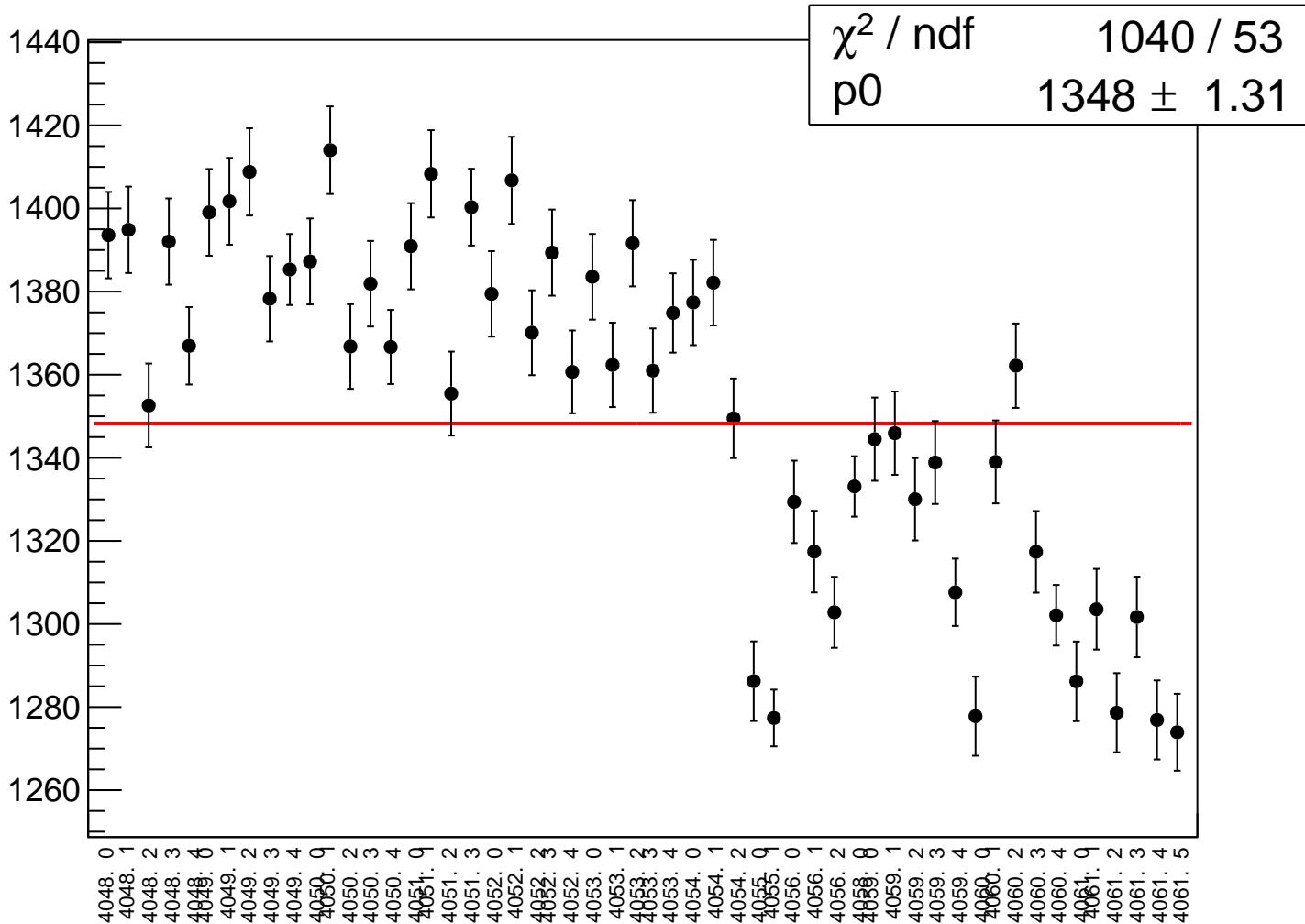
# diff\_cav4bY\_rms vs run



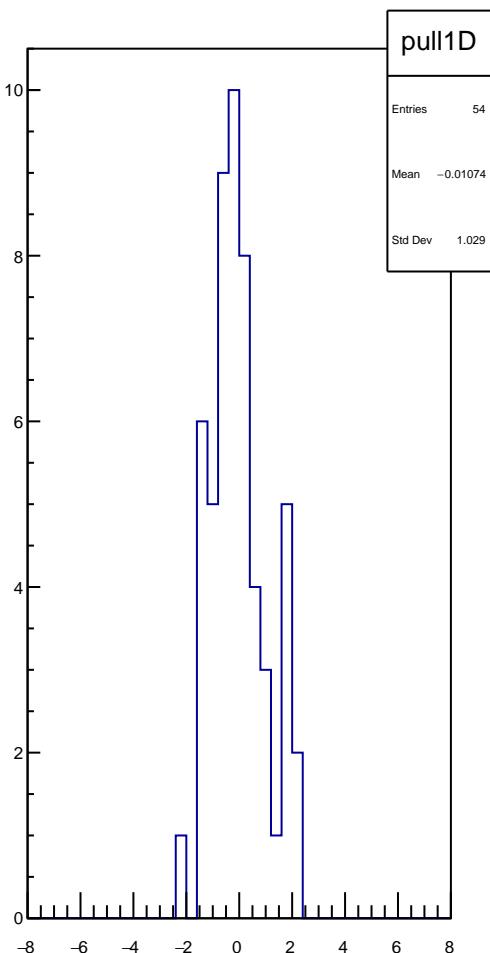
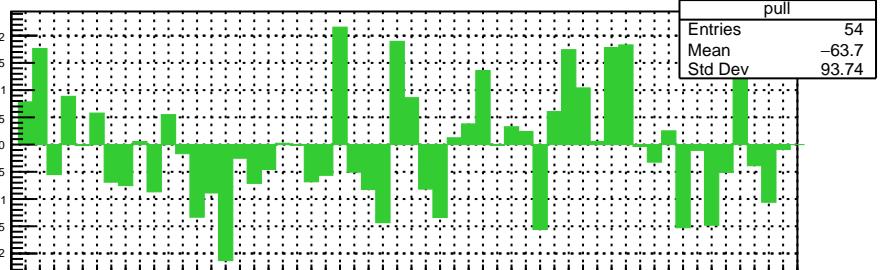
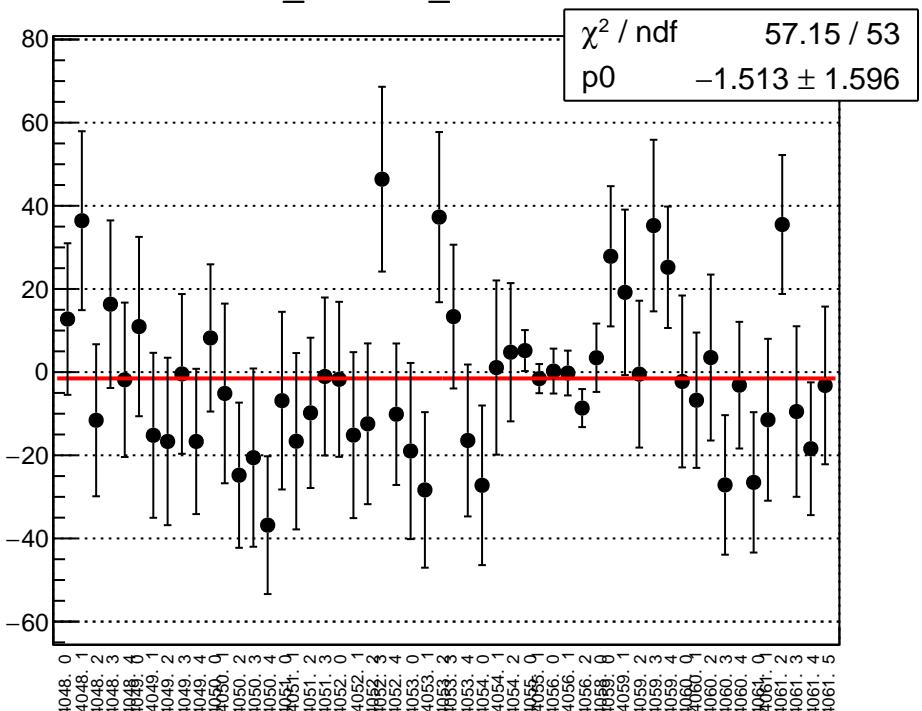
# diff\_cav4cX\_mean vs run



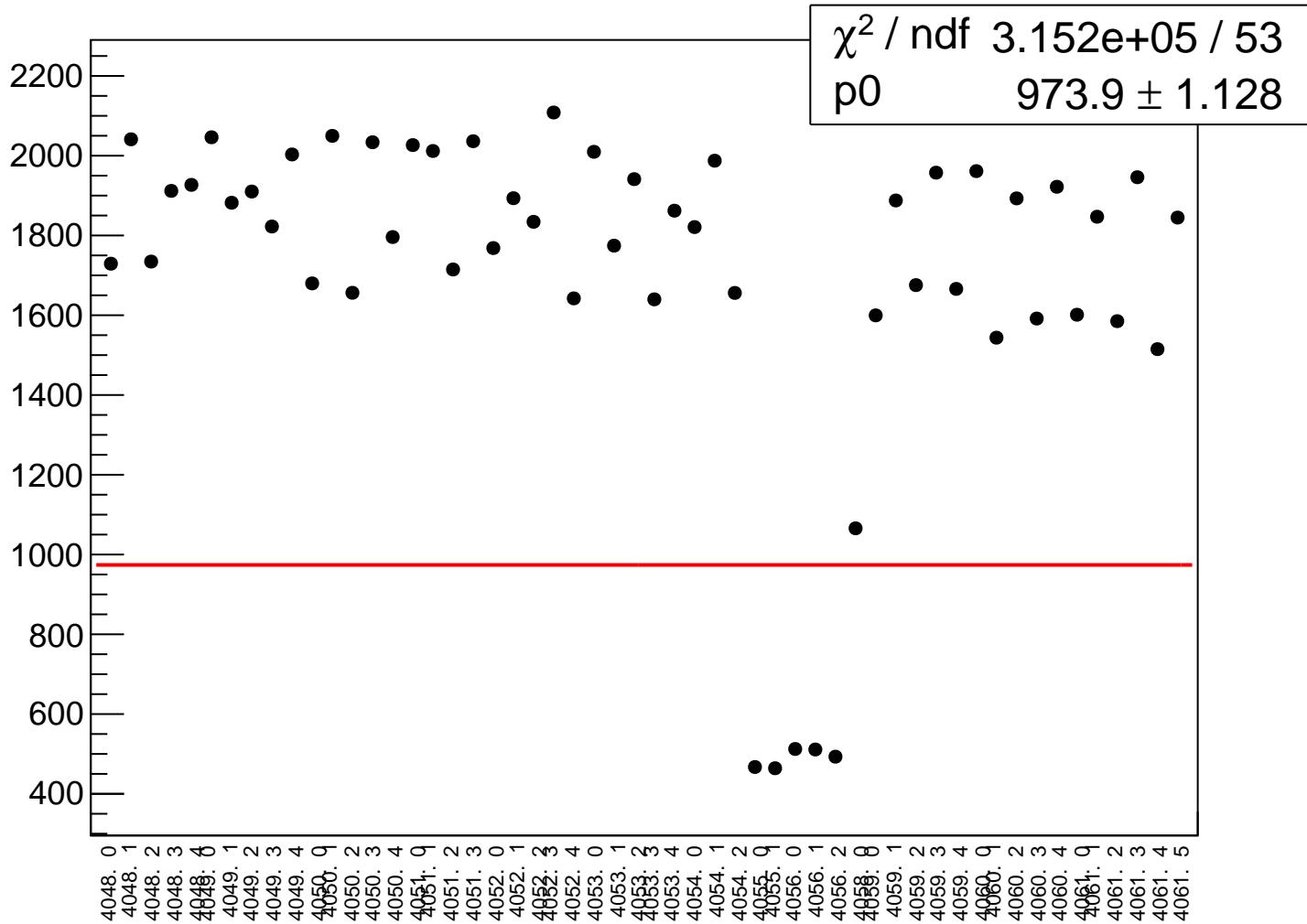
# diff\_cav4cX\_rms vs run



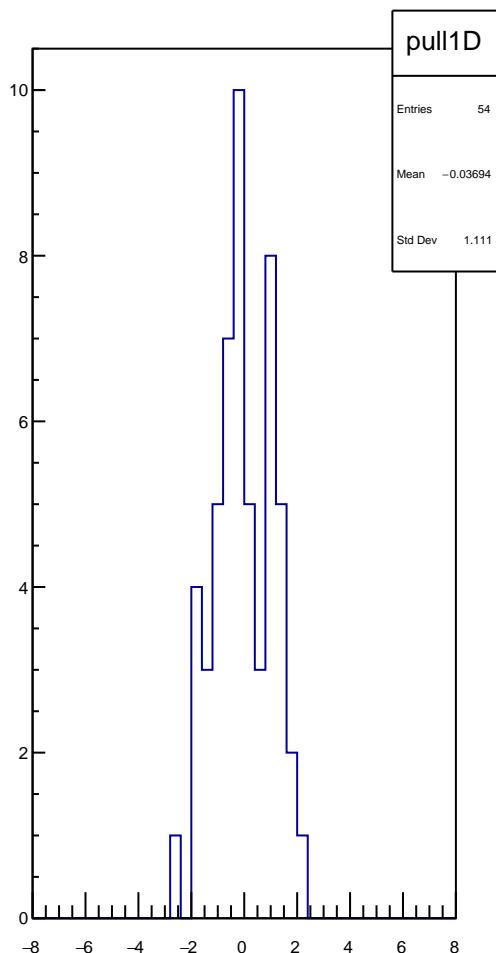
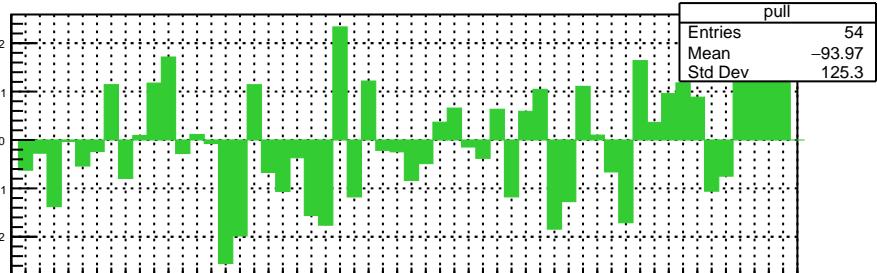
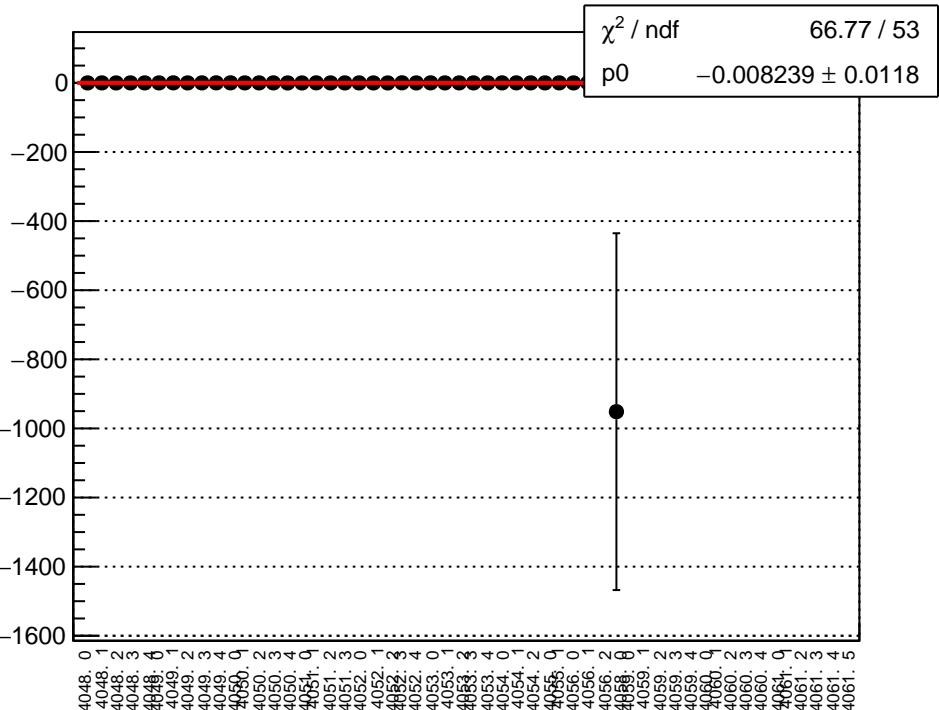
# diff\_cav4cY\_mean vs run



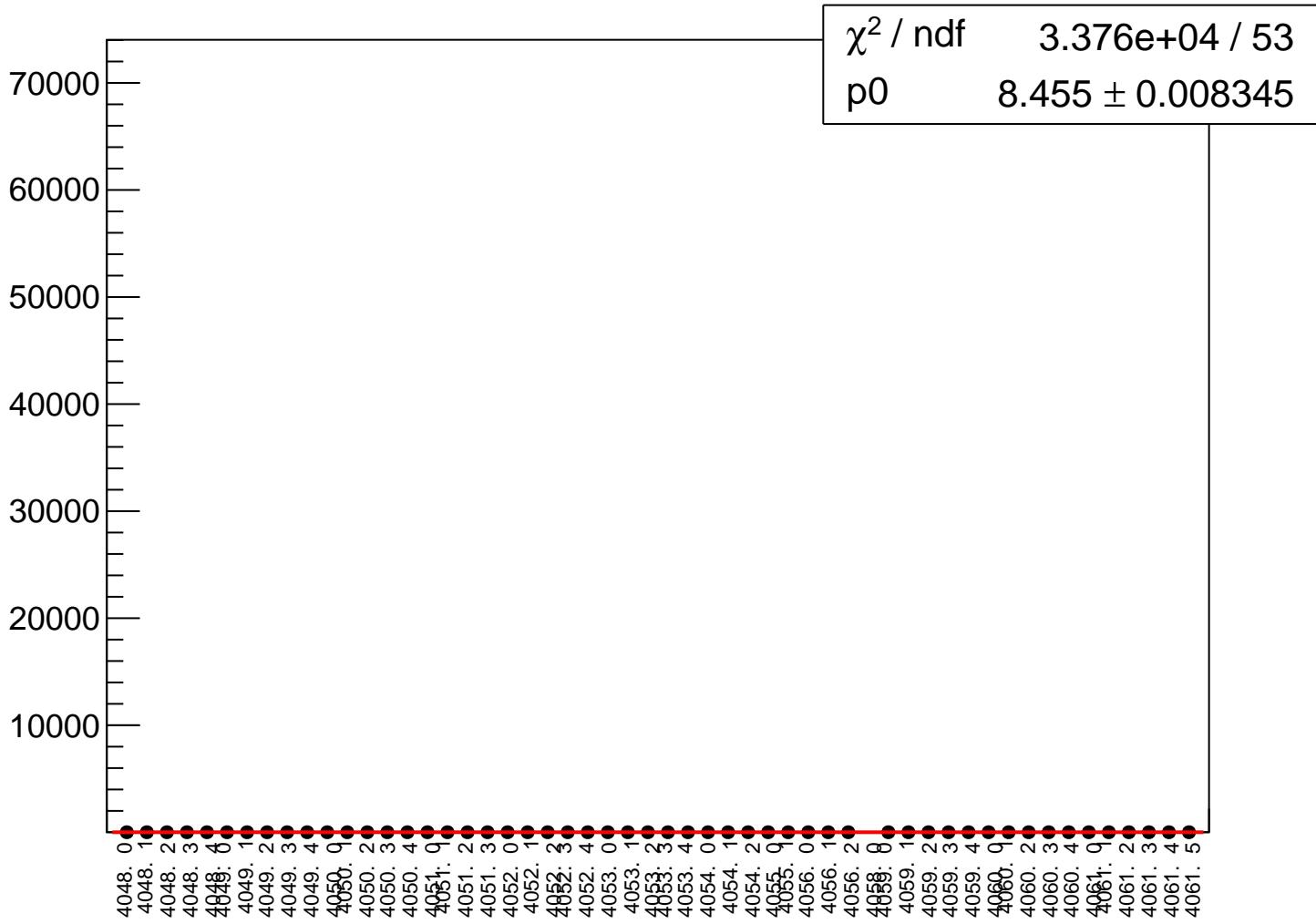
# diff\_cav4cY\_rms vs run



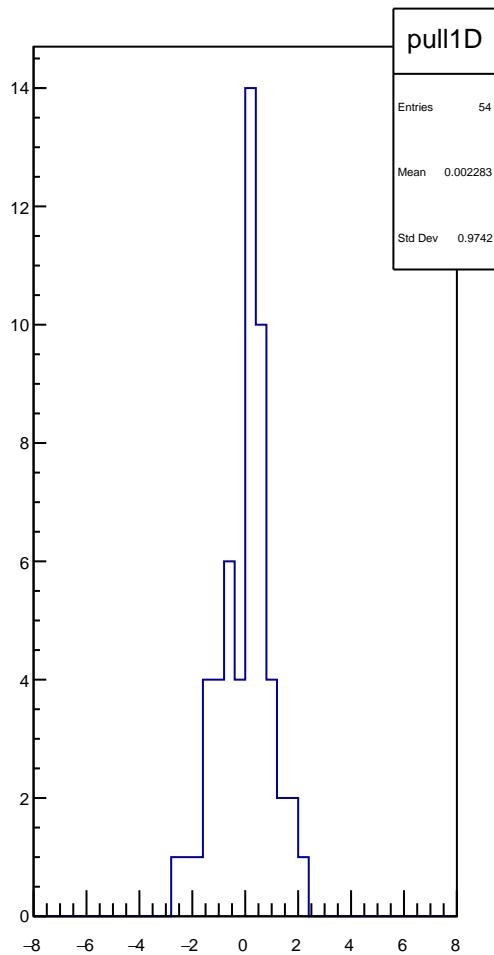
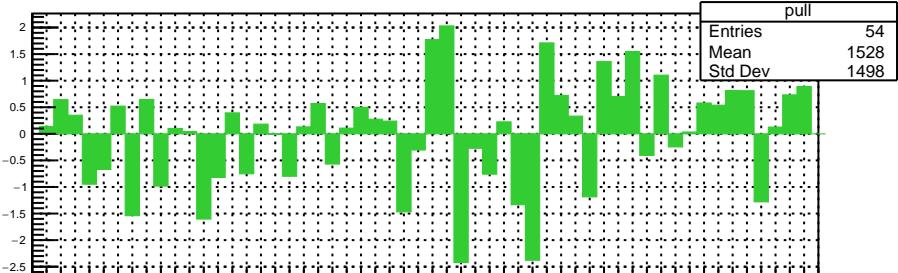
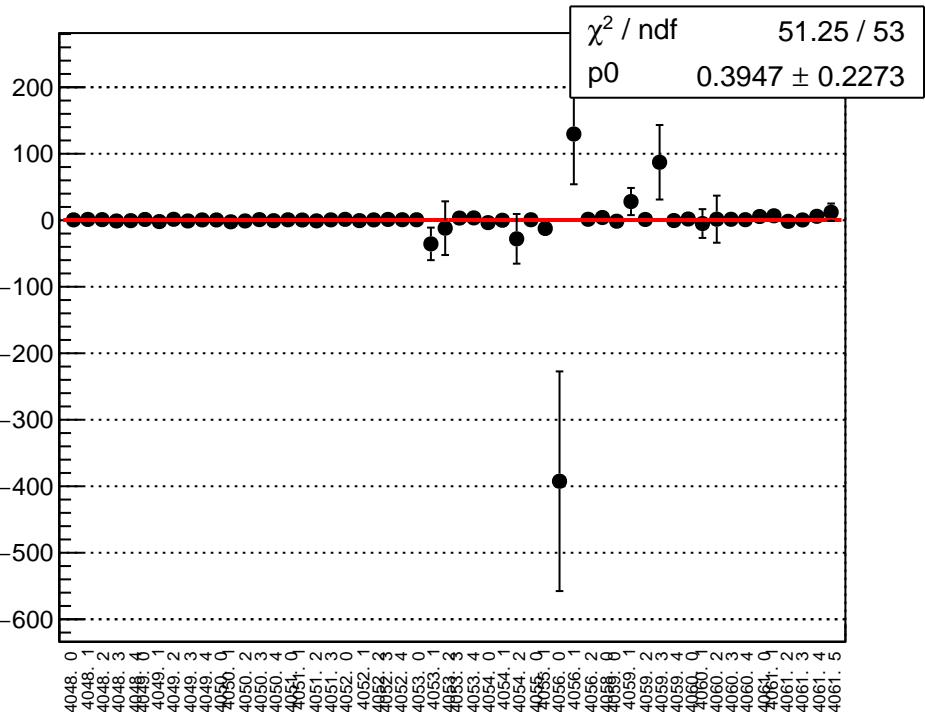
# diff\_cav4dX\_mean vs run



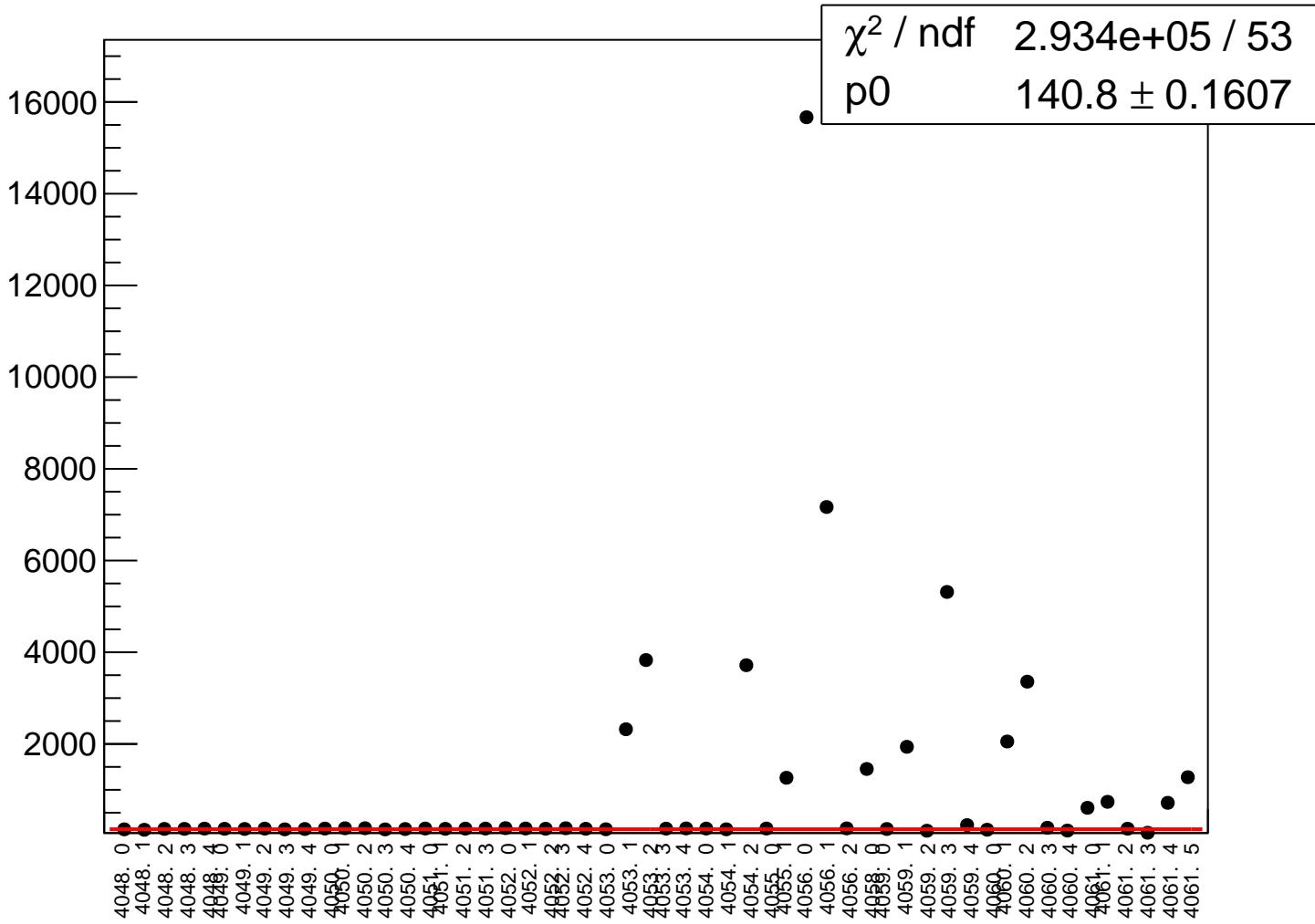
# diff\_cav4dX\_rms vs run



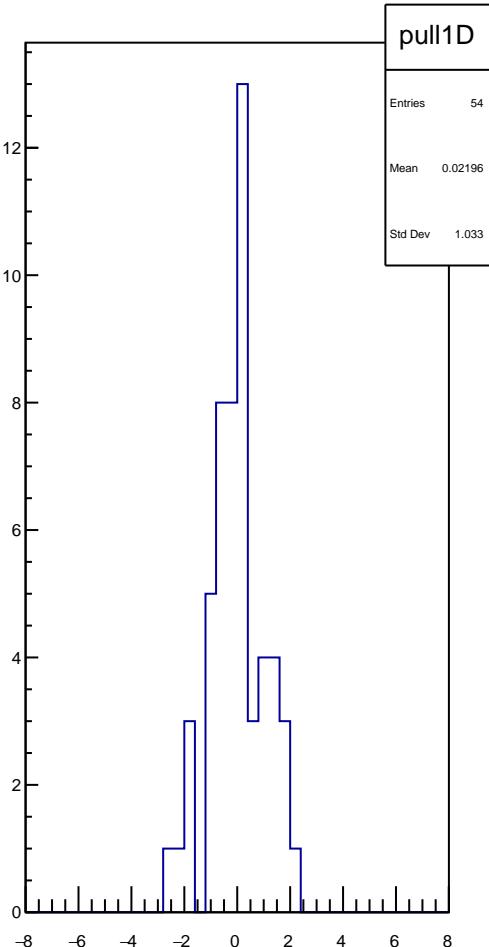
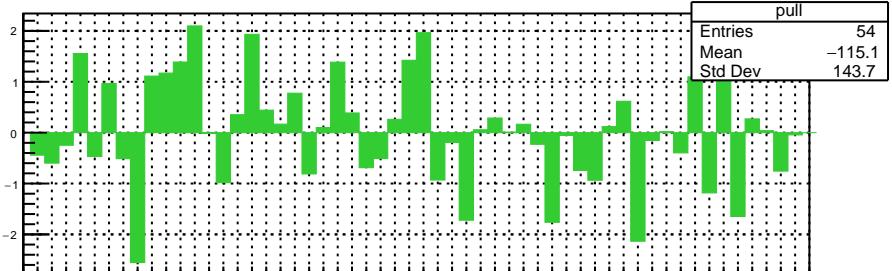
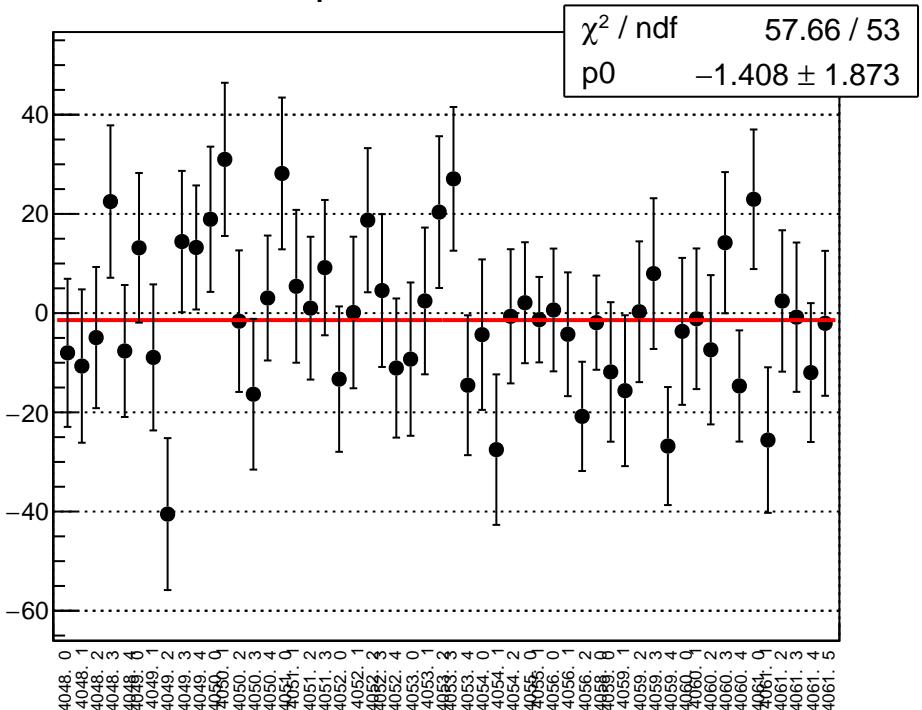
# diff\_cav4dY\_mean vs run



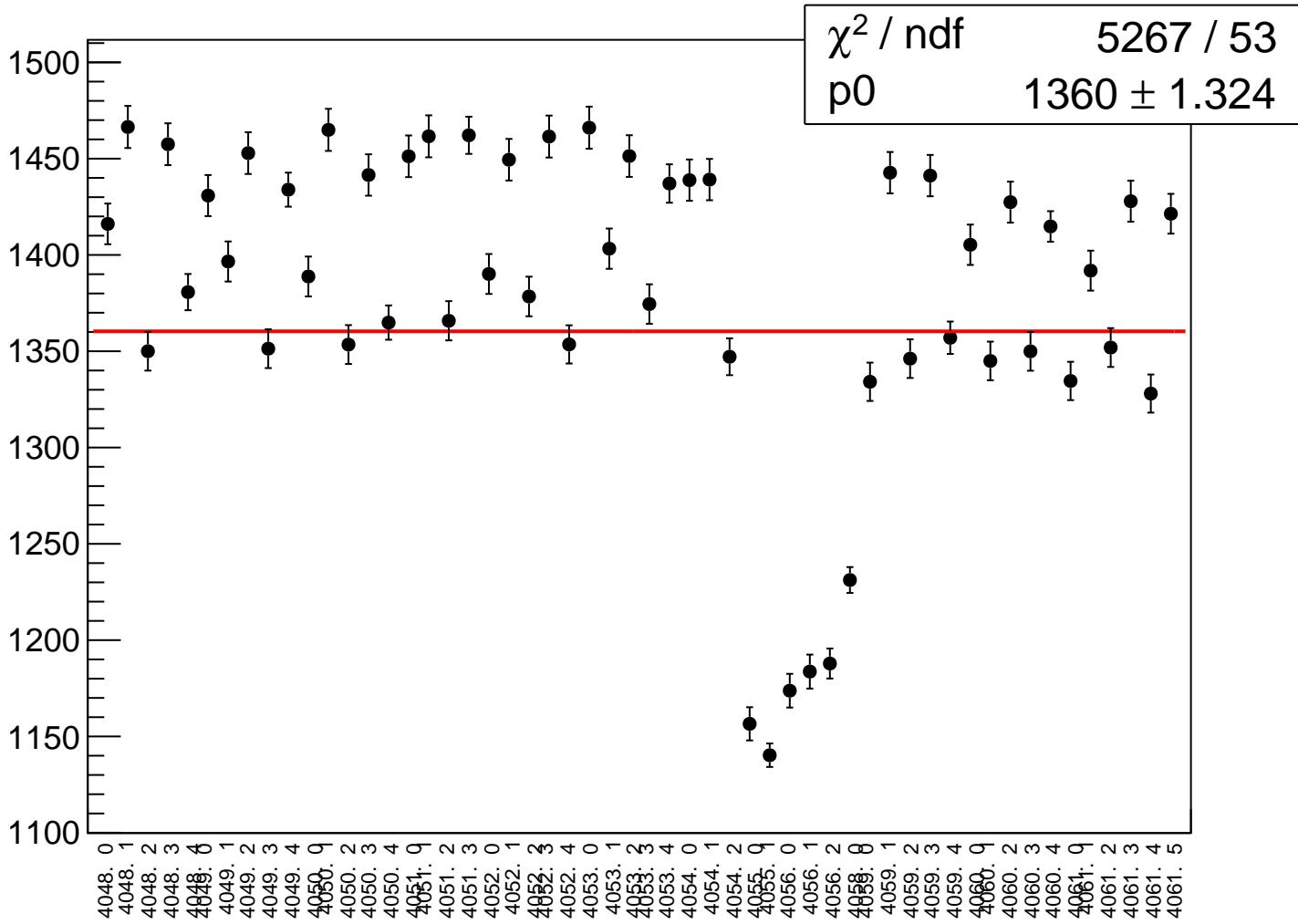
# diff\_cav4dY\_rms vs run



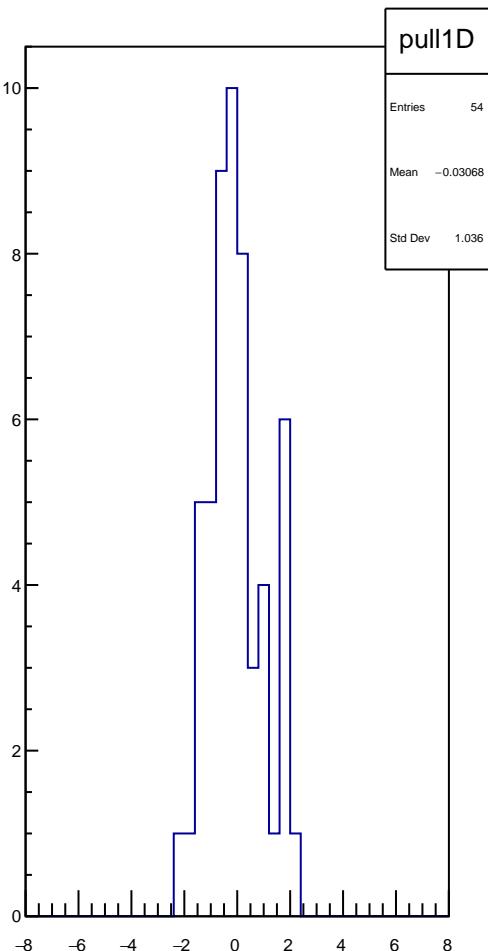
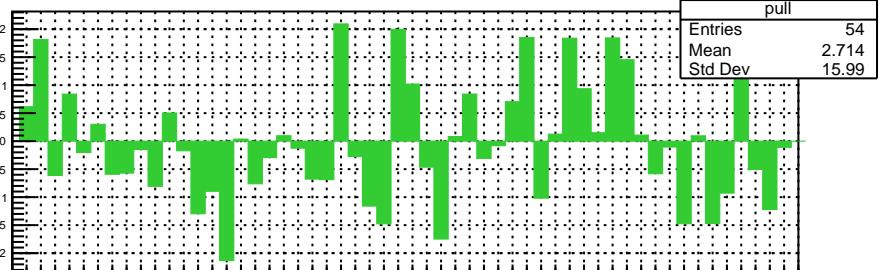
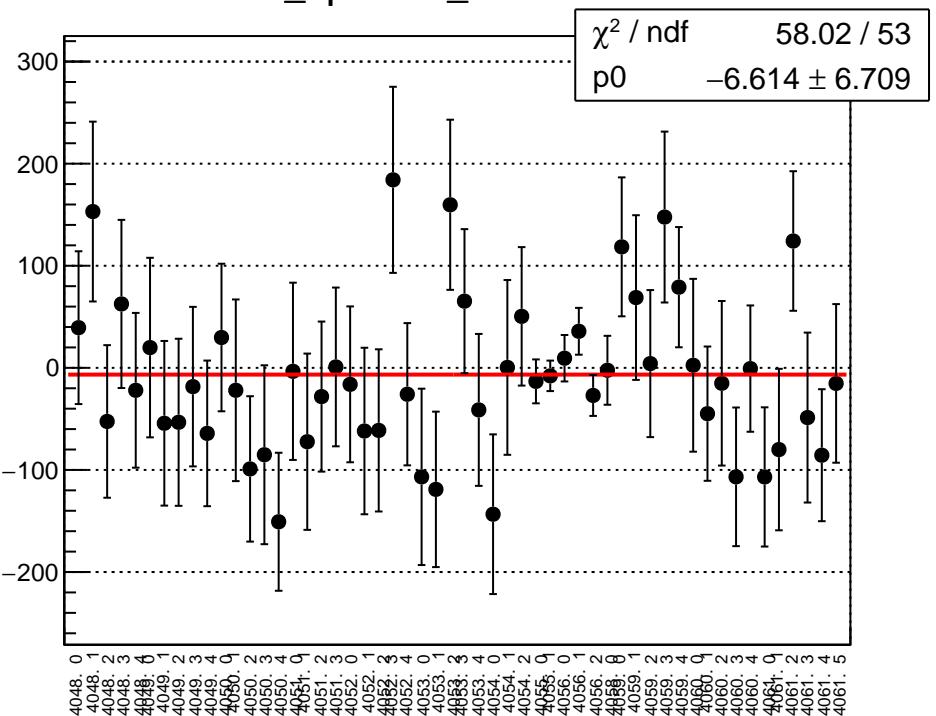
# diff\_bpm4aX\_mean vs run



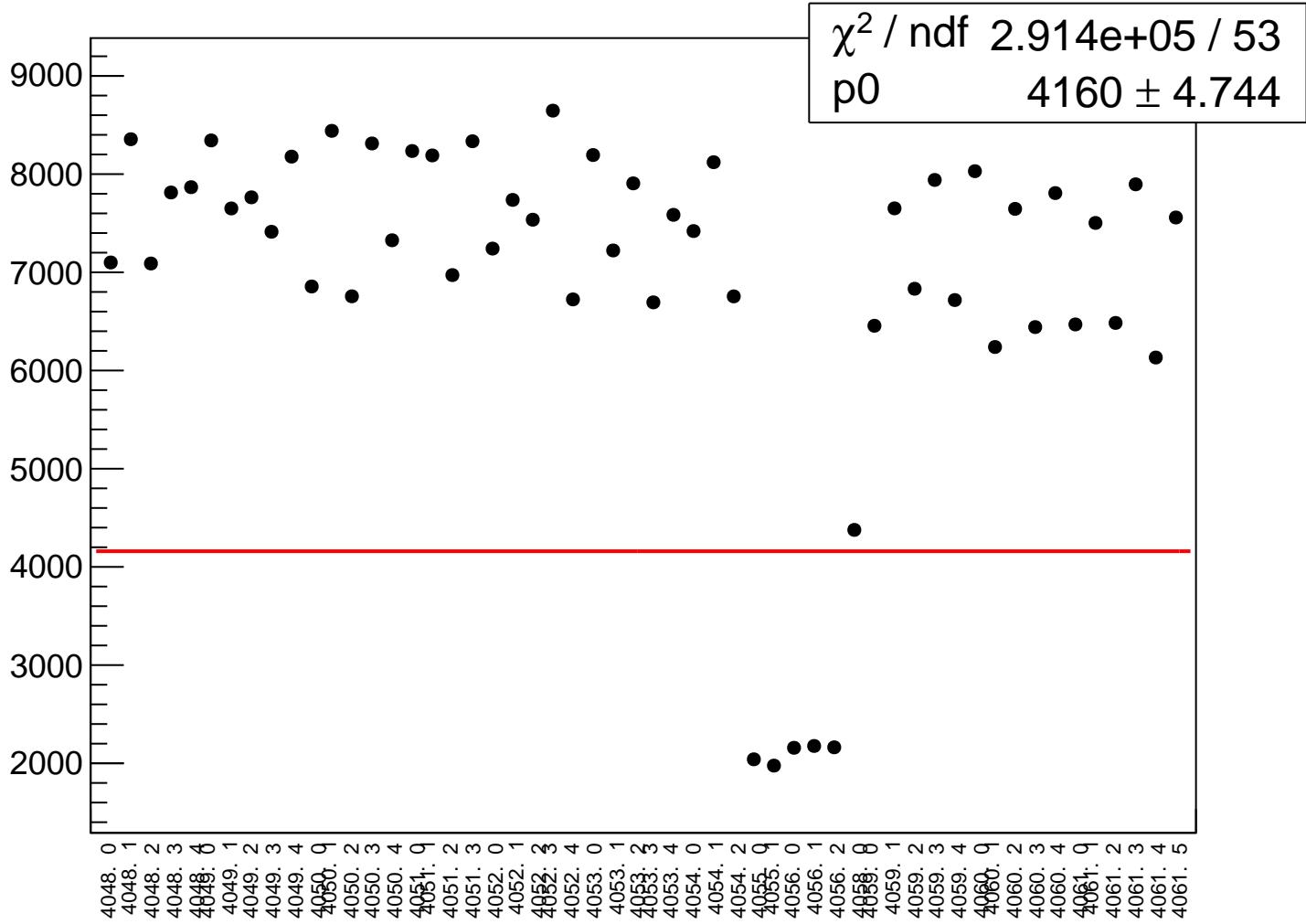
# diff\_bpm4aX\_rms vs run



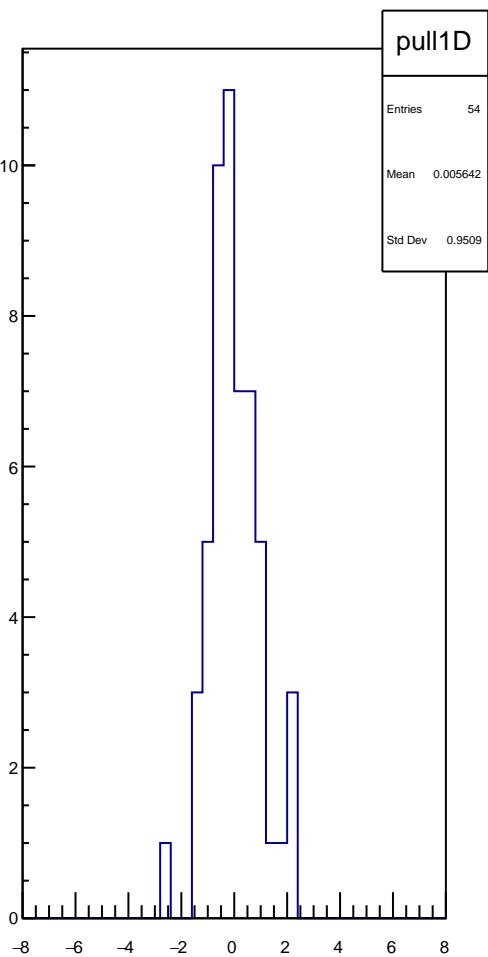
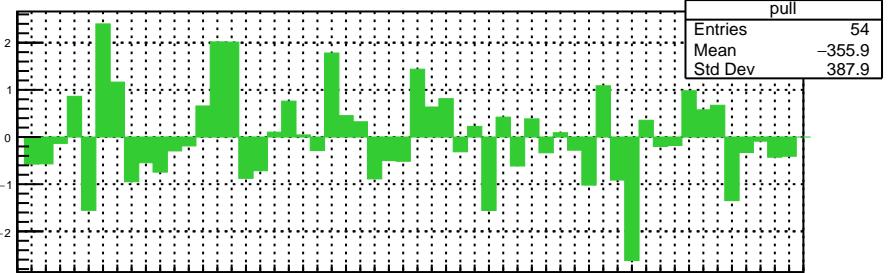
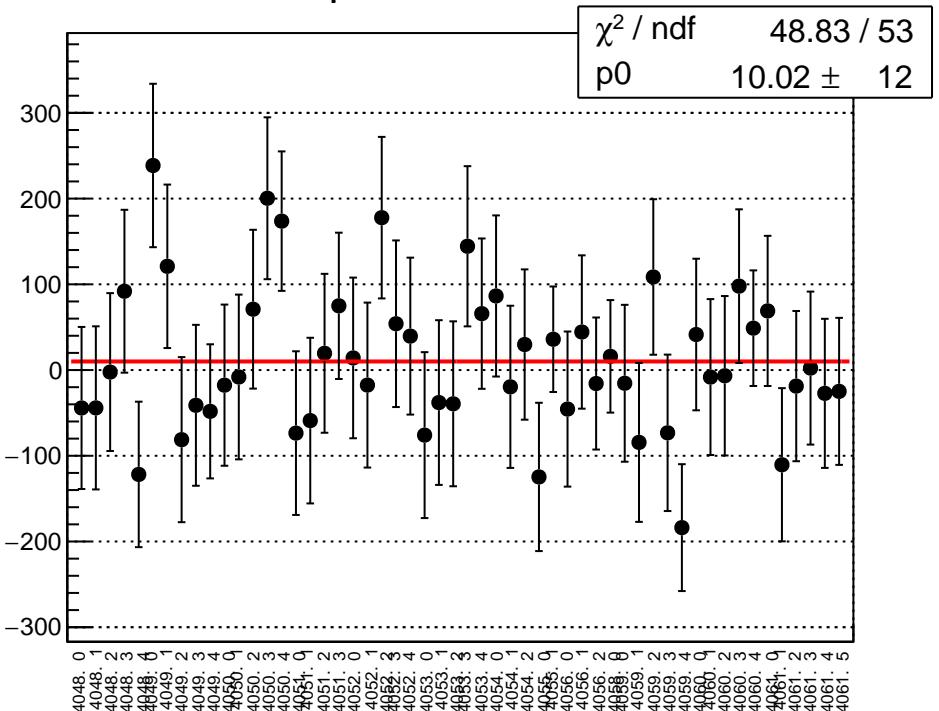
# diff\_bpm4aY\_mean vs run



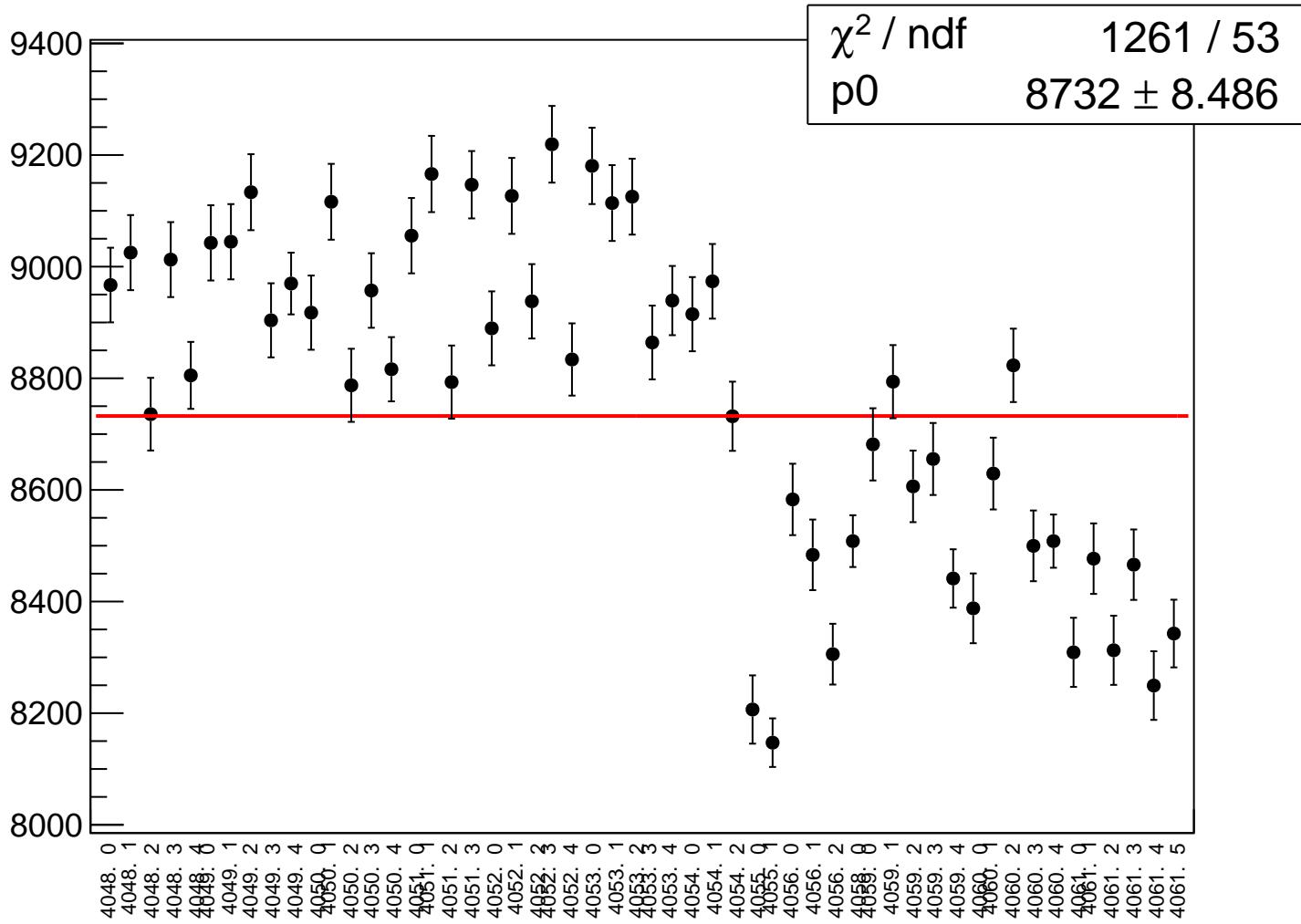
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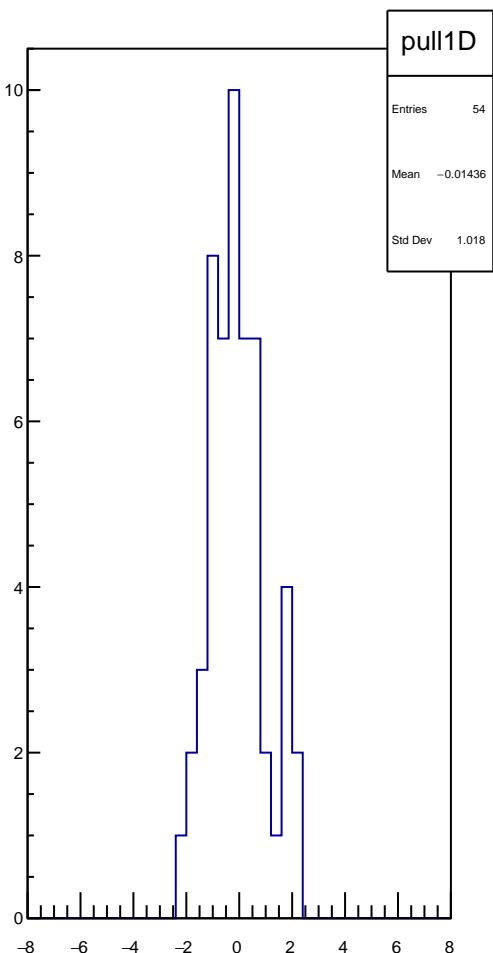
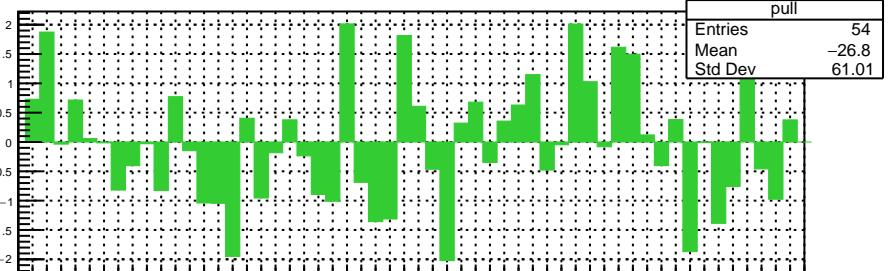
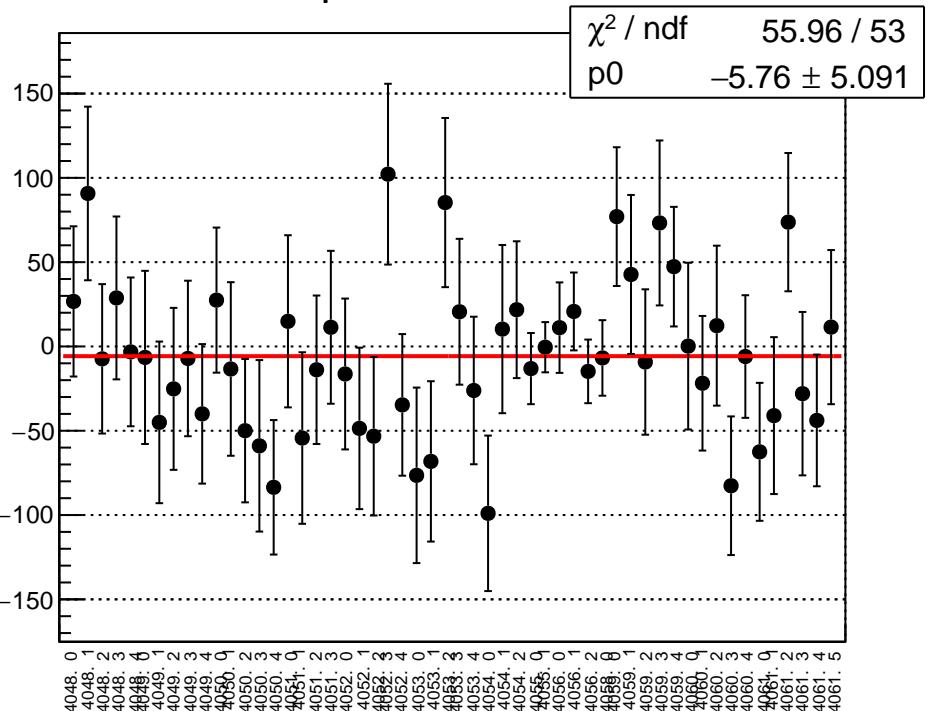
# diff\_bpm4eX\_mean vs run



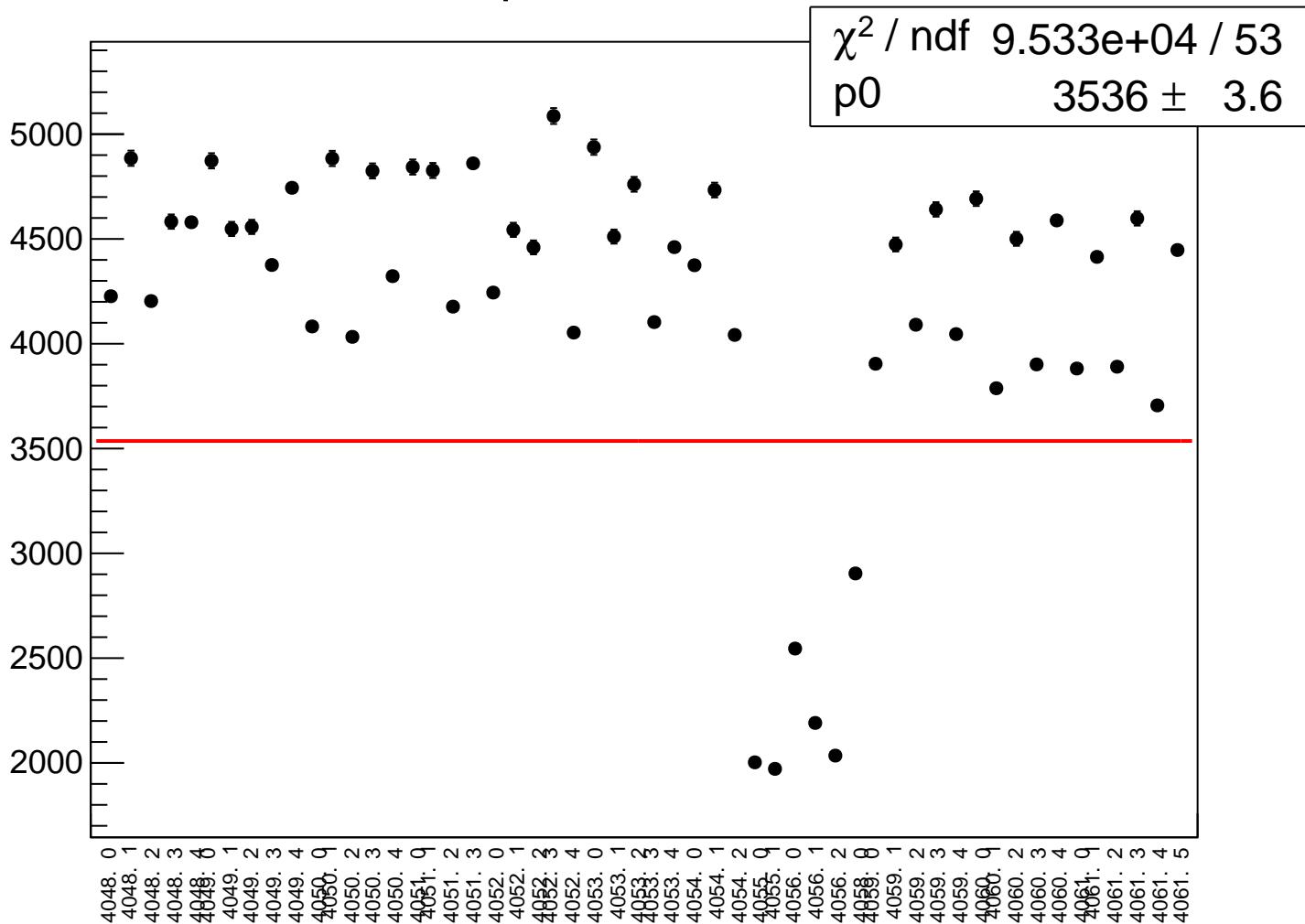
# diff\_bpm4eX\_rms vs run



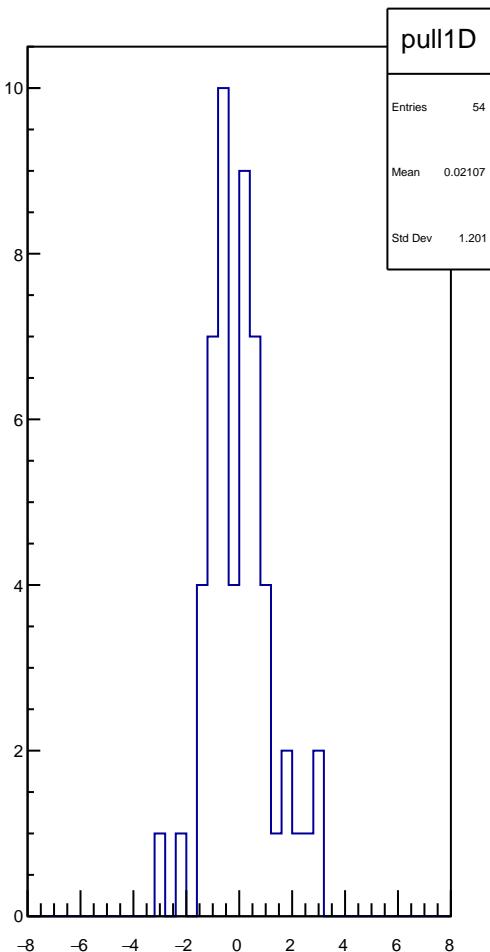
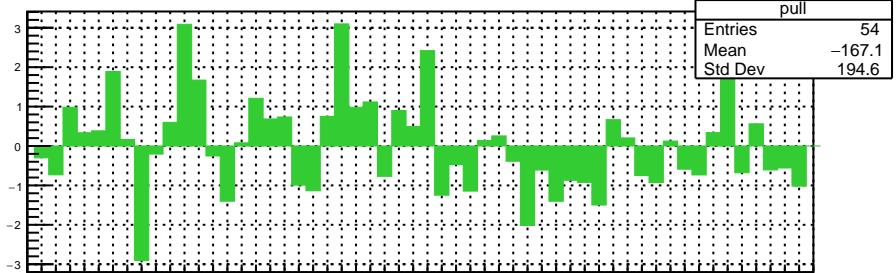
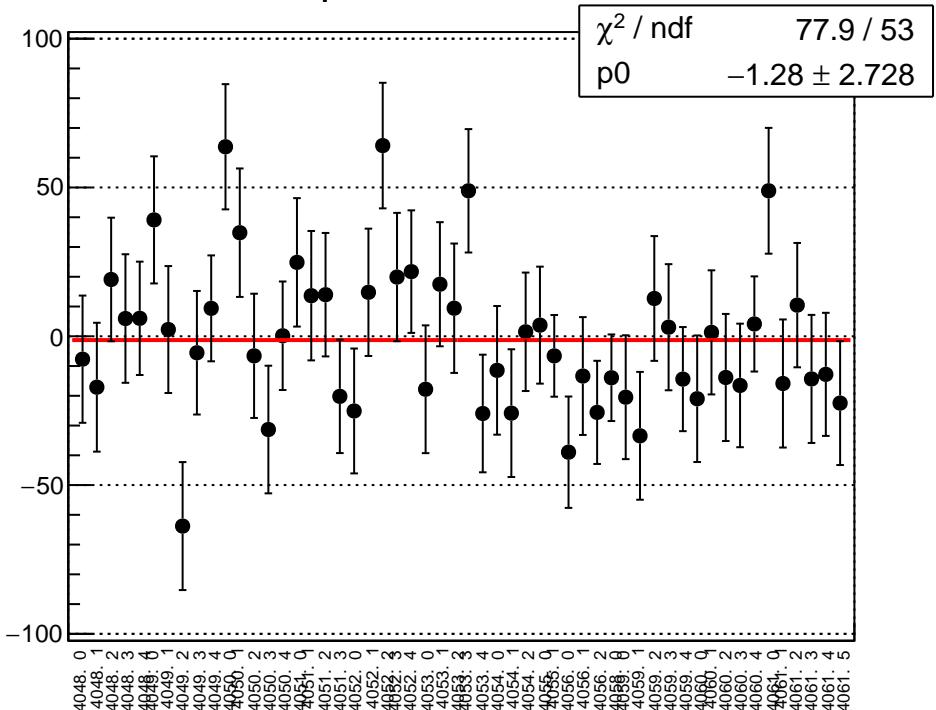
# diff\_bpm4eY\_mean vs run



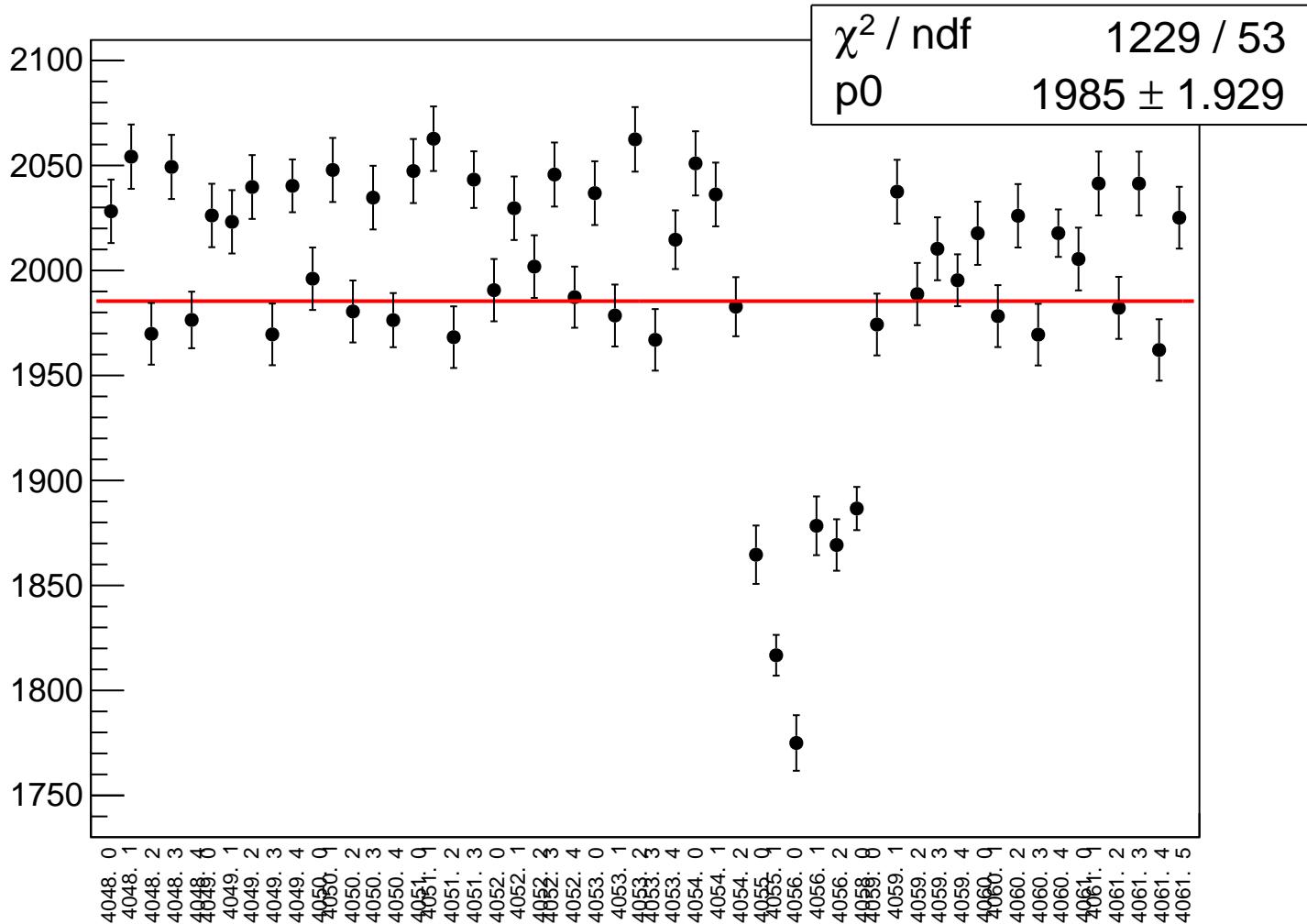
# diff\_bpm4eY\_rms vs run



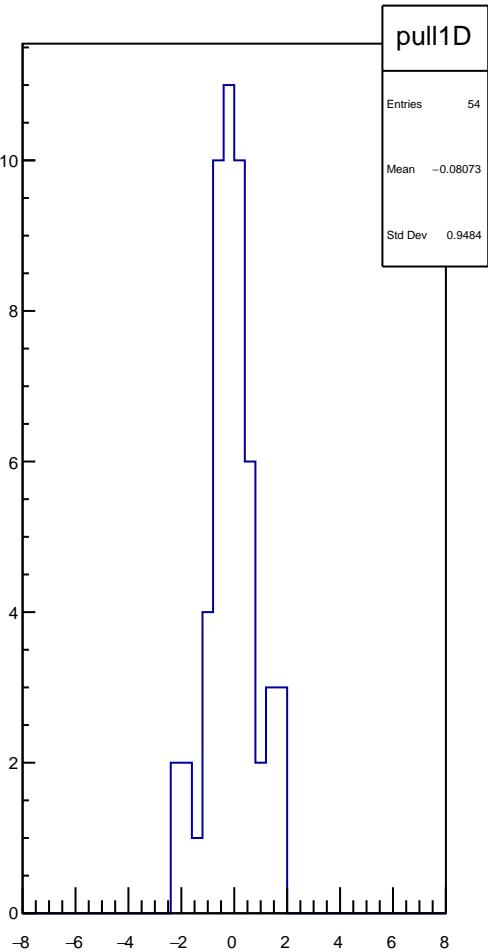
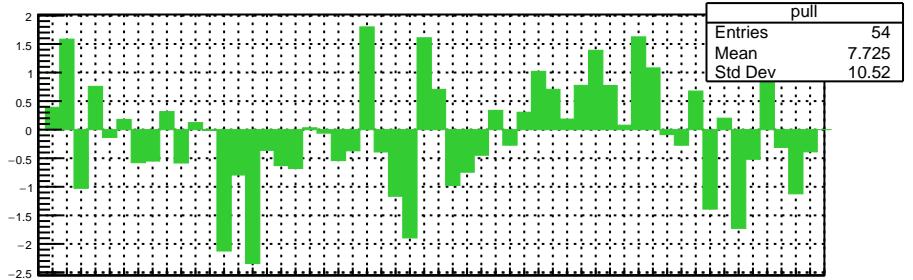
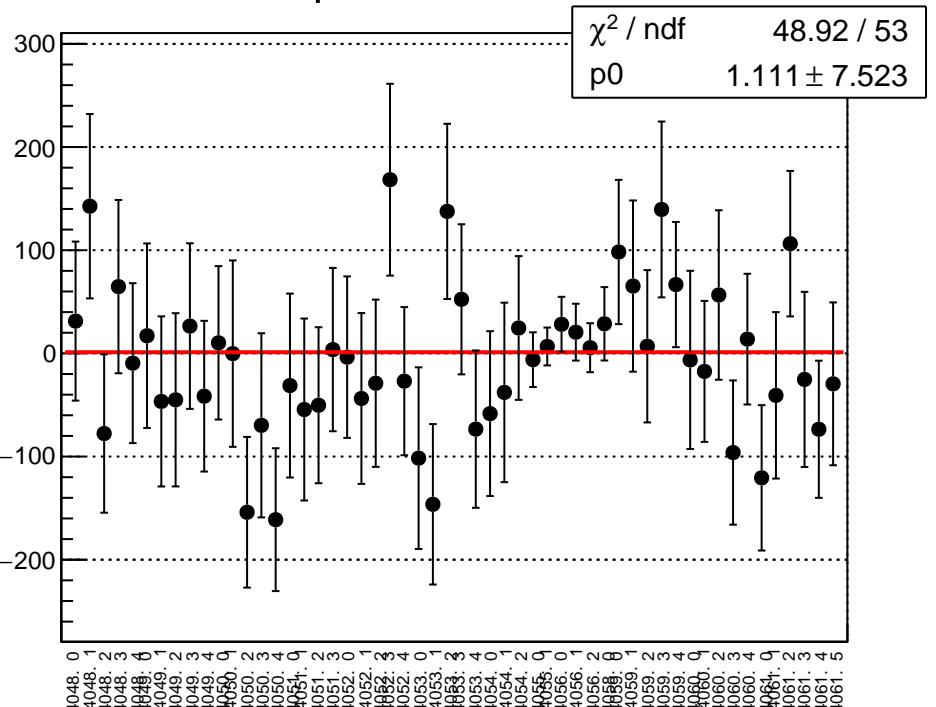
# diff\_bpm4acX\_mean vs run



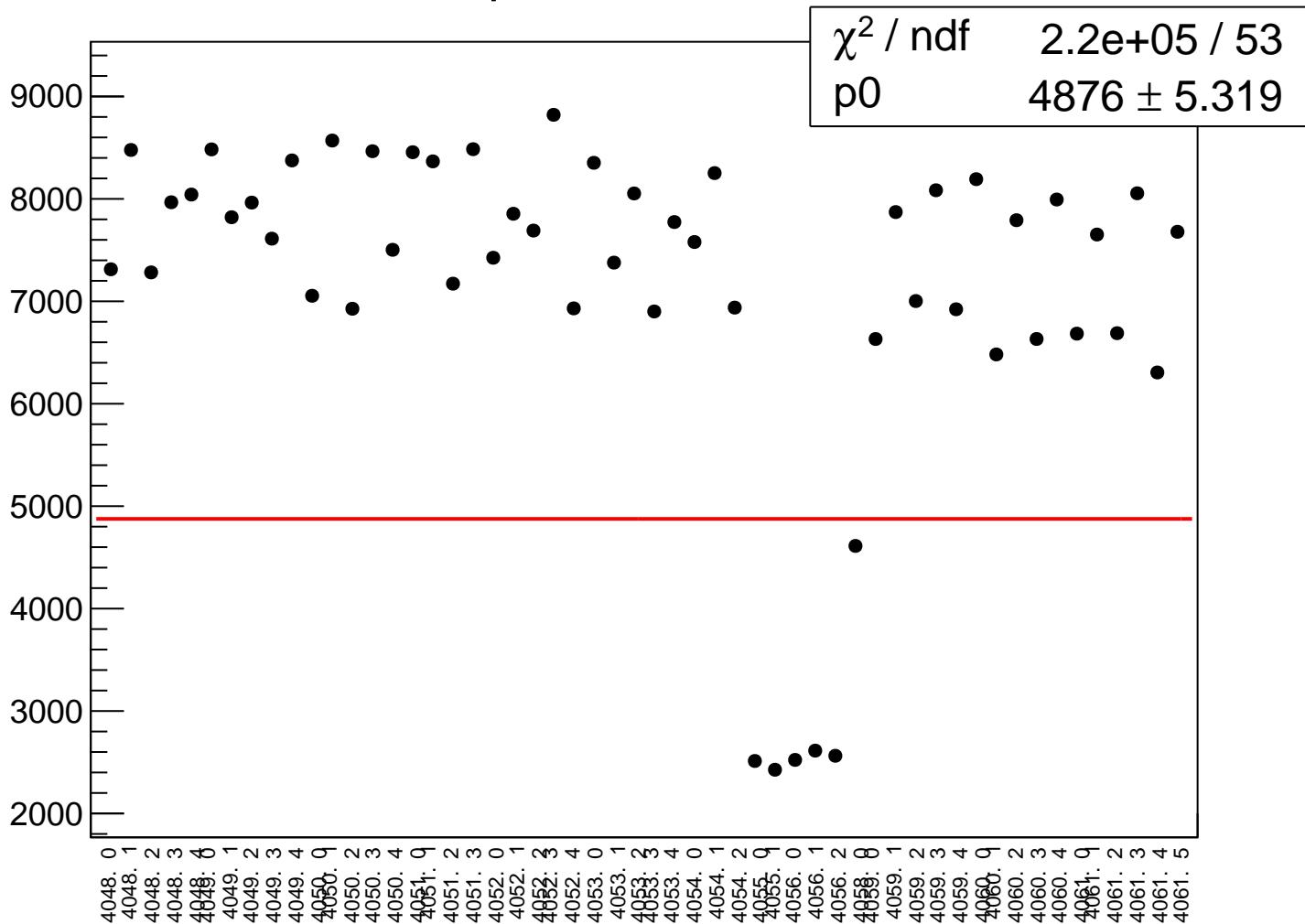
# diff\_bpm4acX\_rms vs run



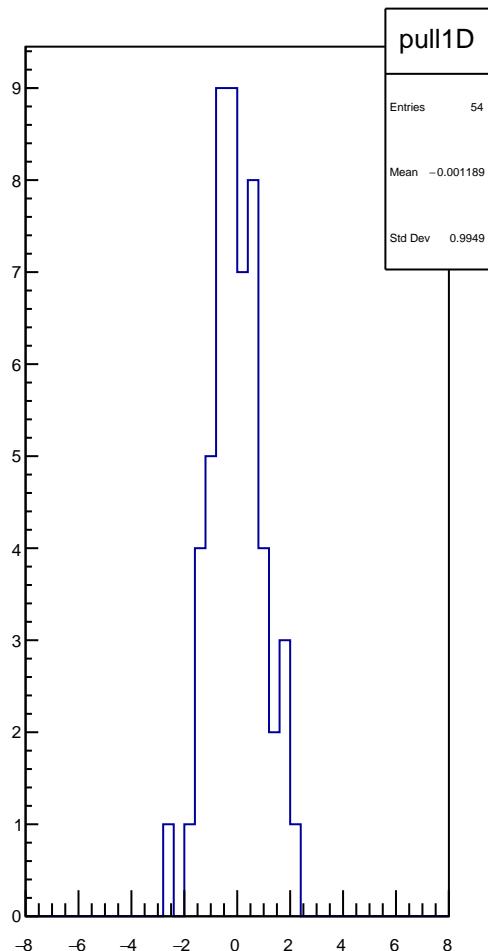
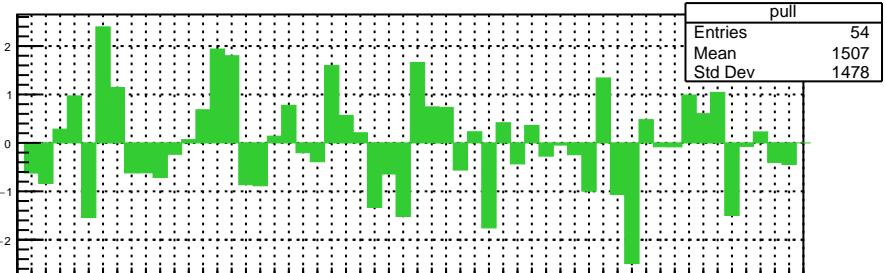
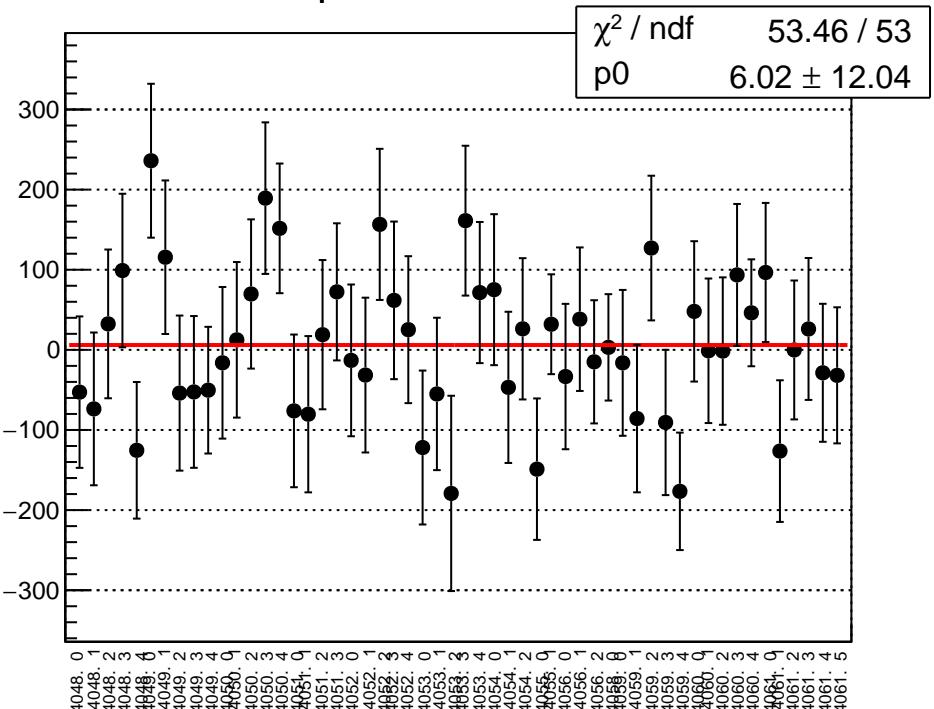
# diff\_bpm4acY\_mean vs run



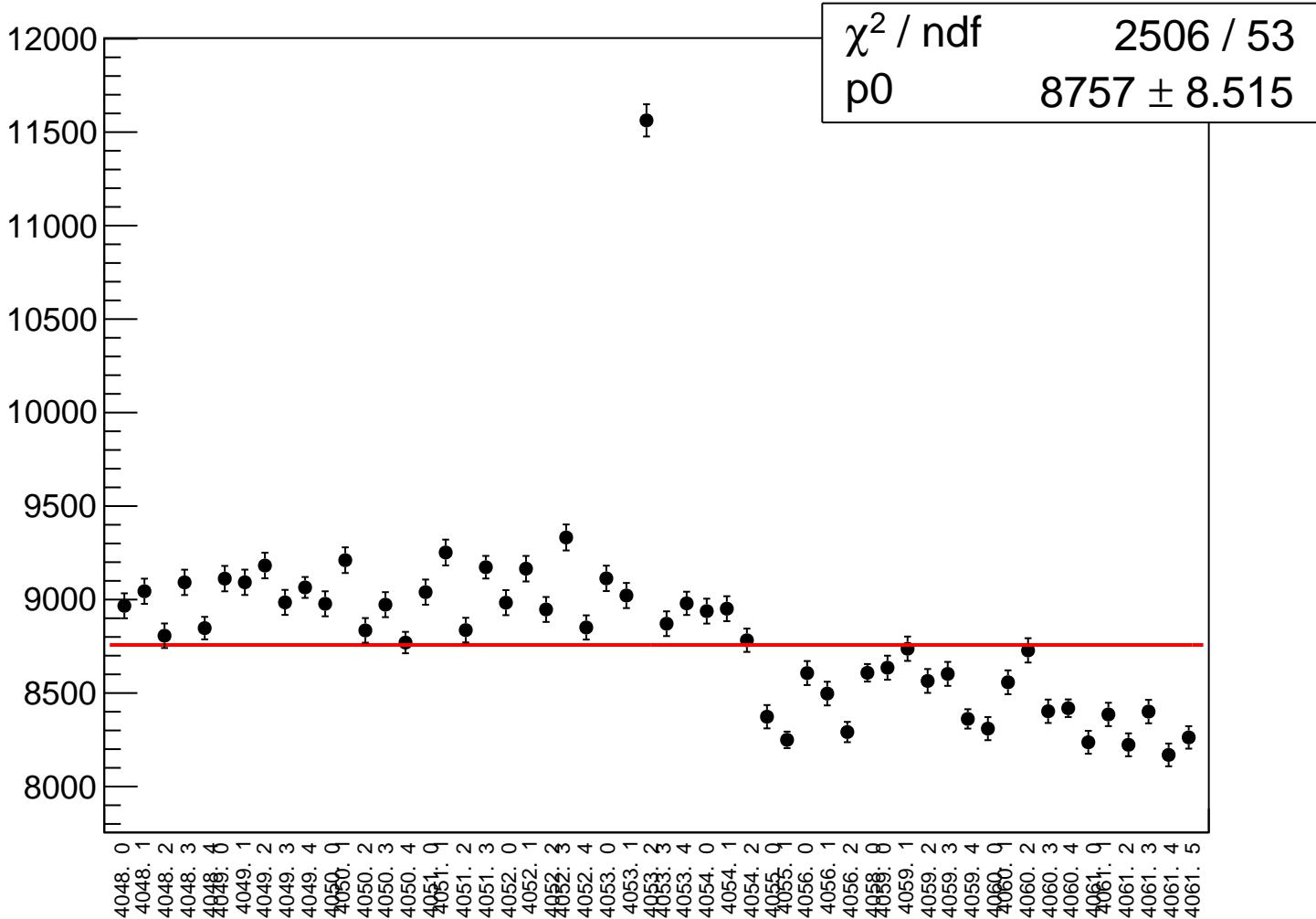
# diff\_bpm4acY\_rms vs run



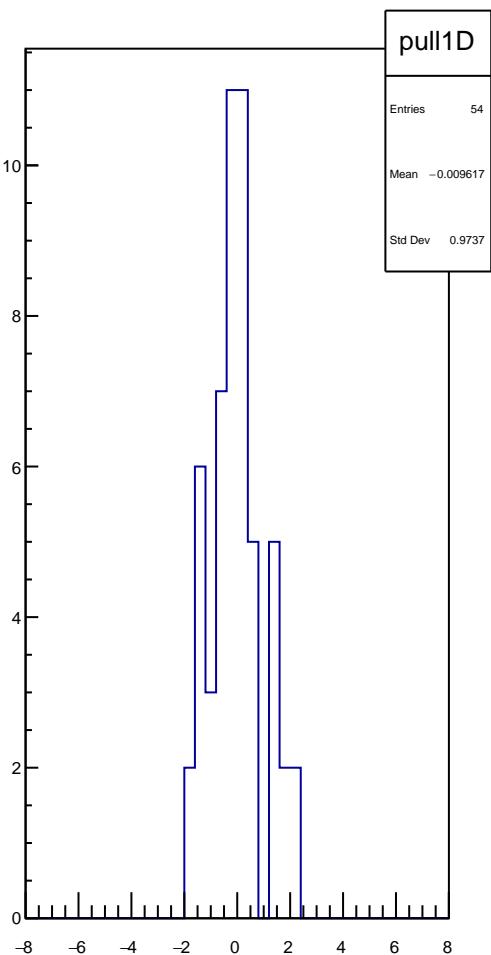
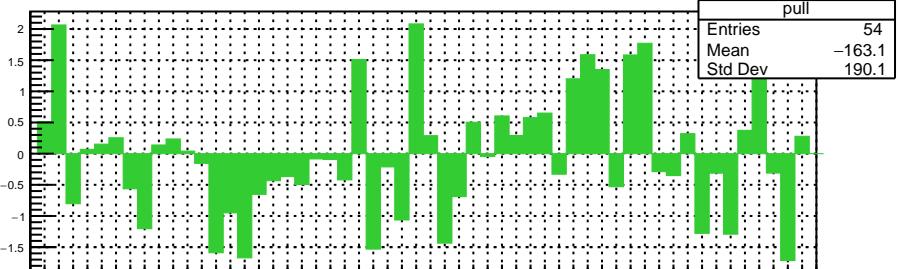
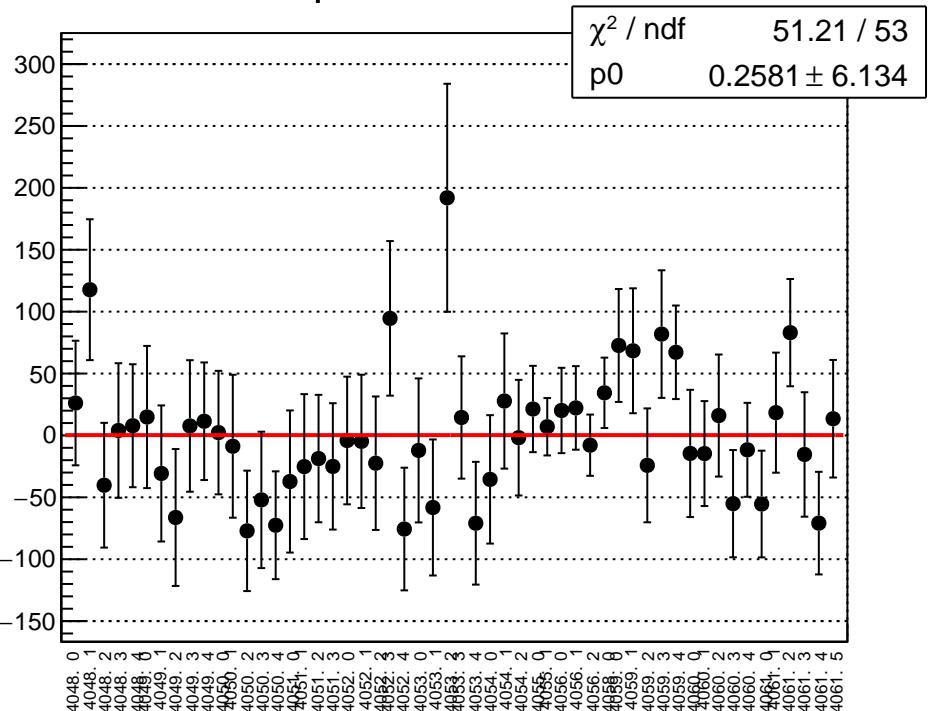
# diff\_bpm4ecX\_mean vs run



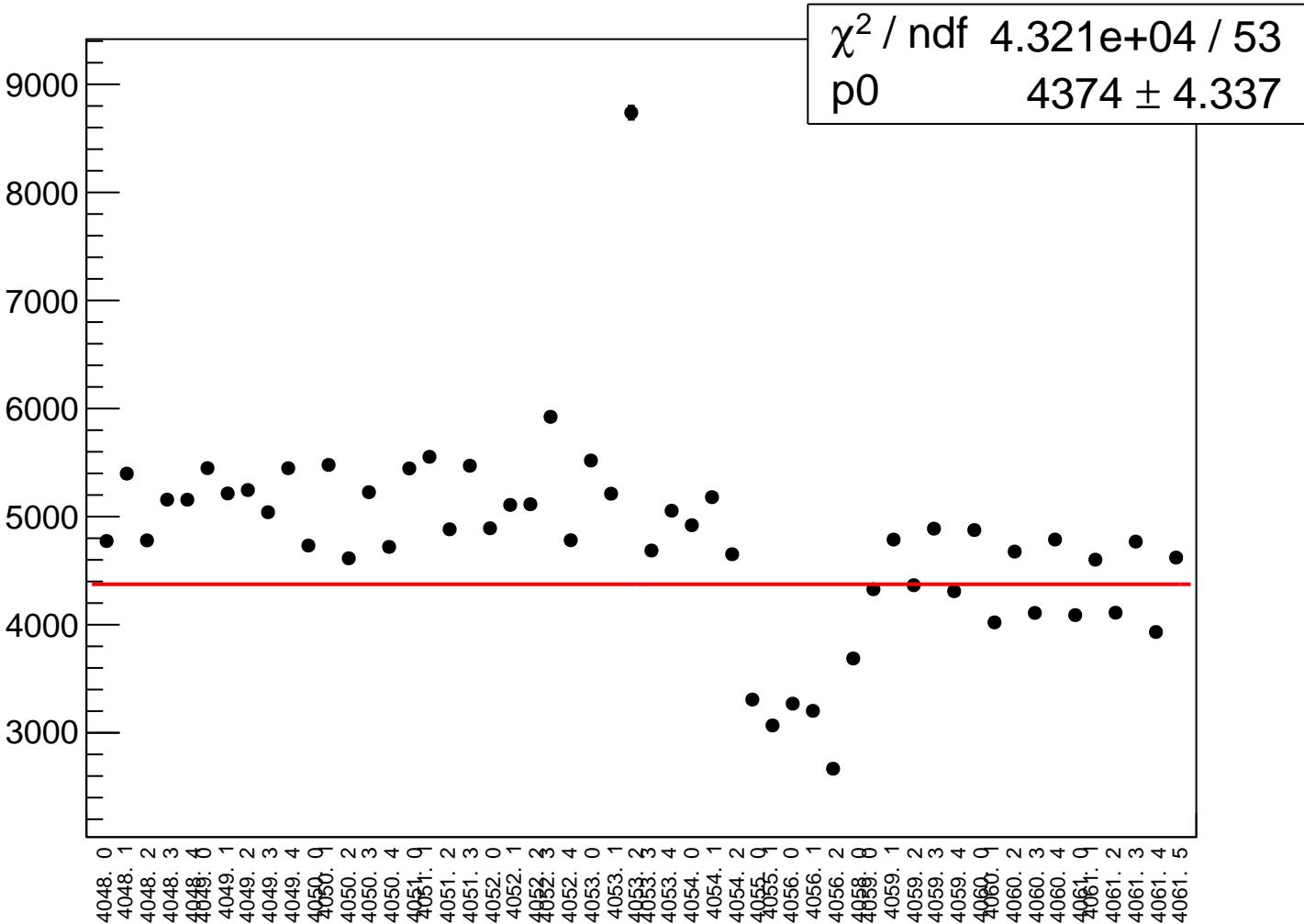
# diff\_bpm4ecX\_rms vs run



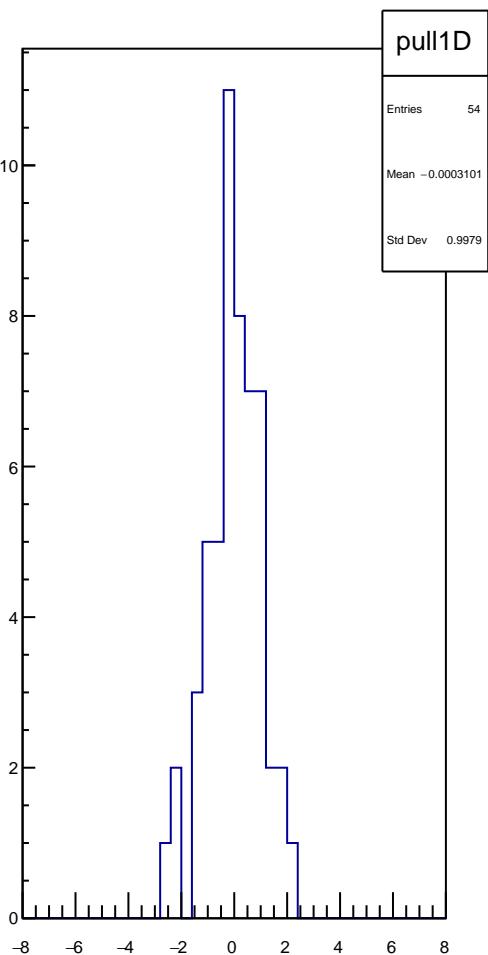
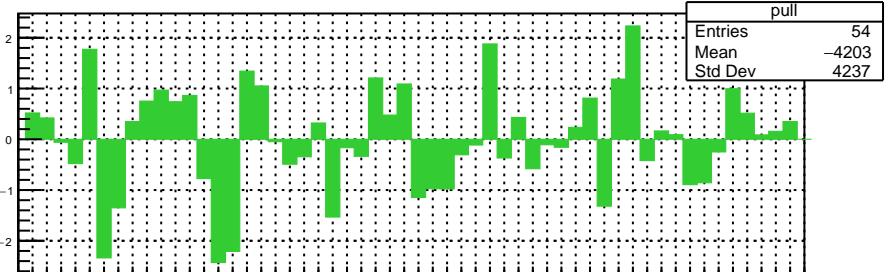
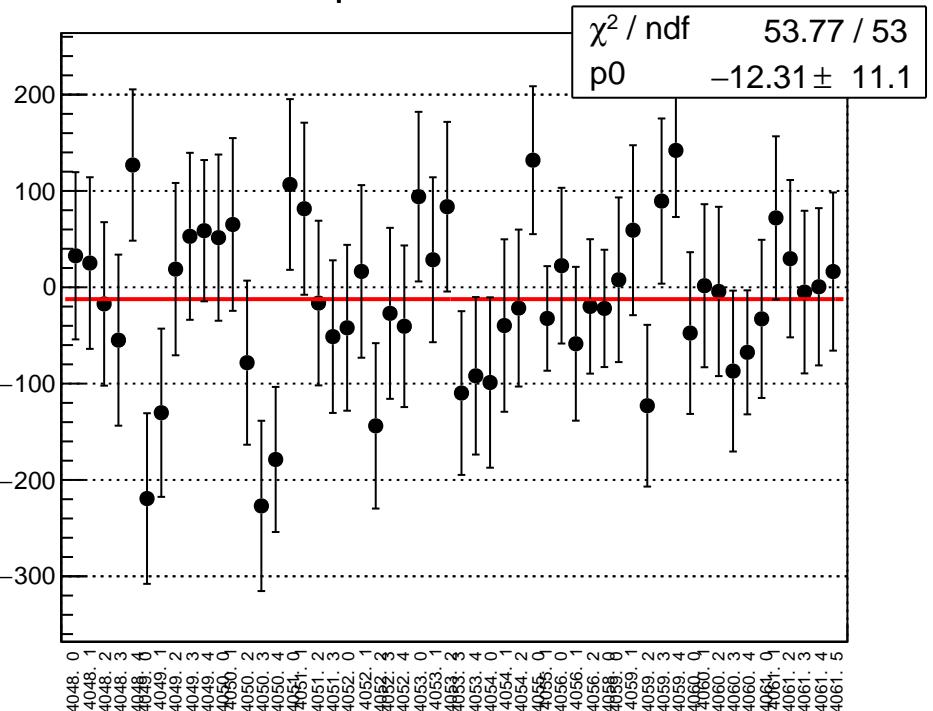
# diff\_bpm4ecY\_mean vs run



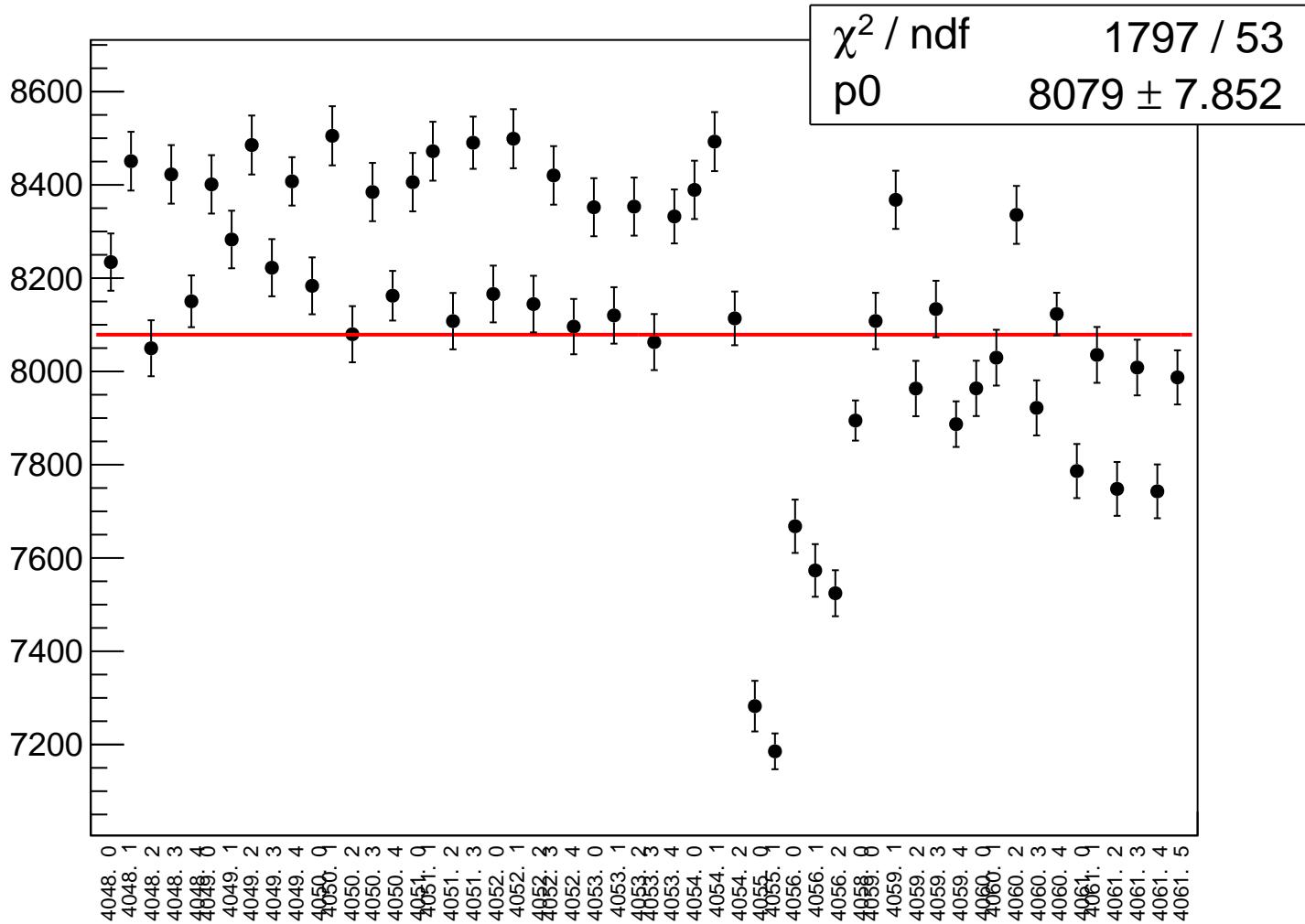
# diff\_bpm4ecY\_rms vs run



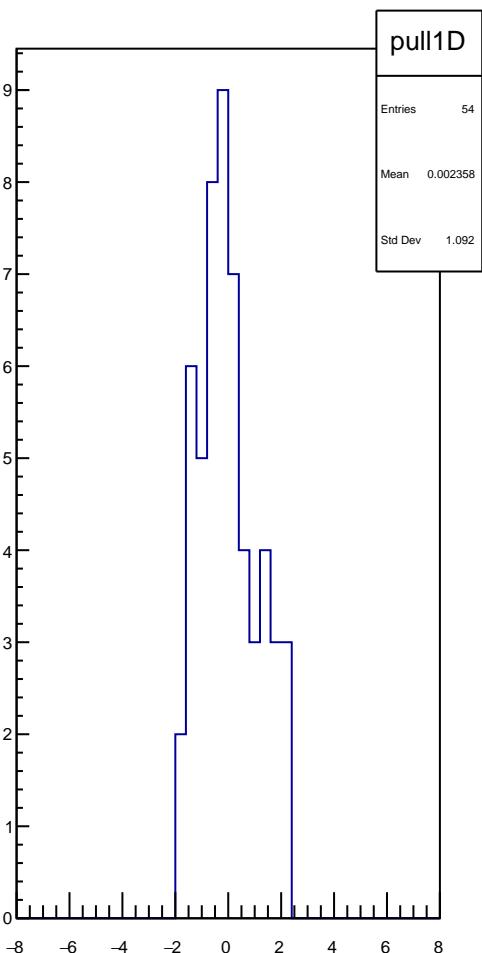
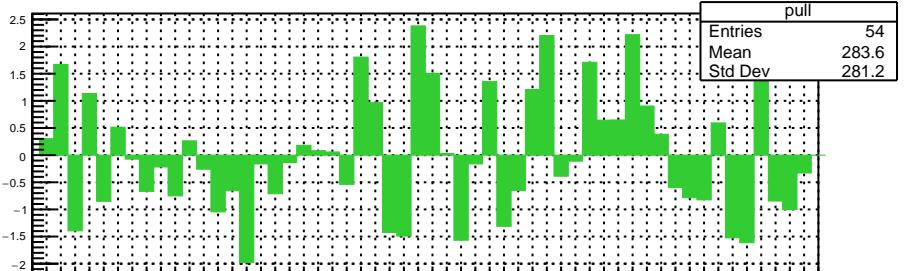
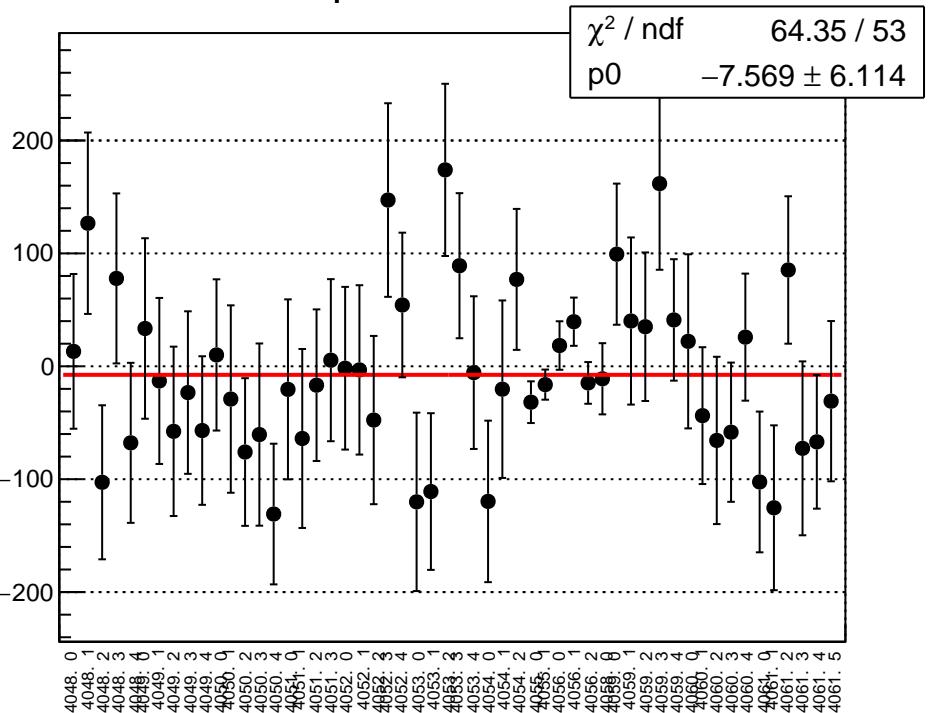
# diff\_bpm1X\_mean vs run



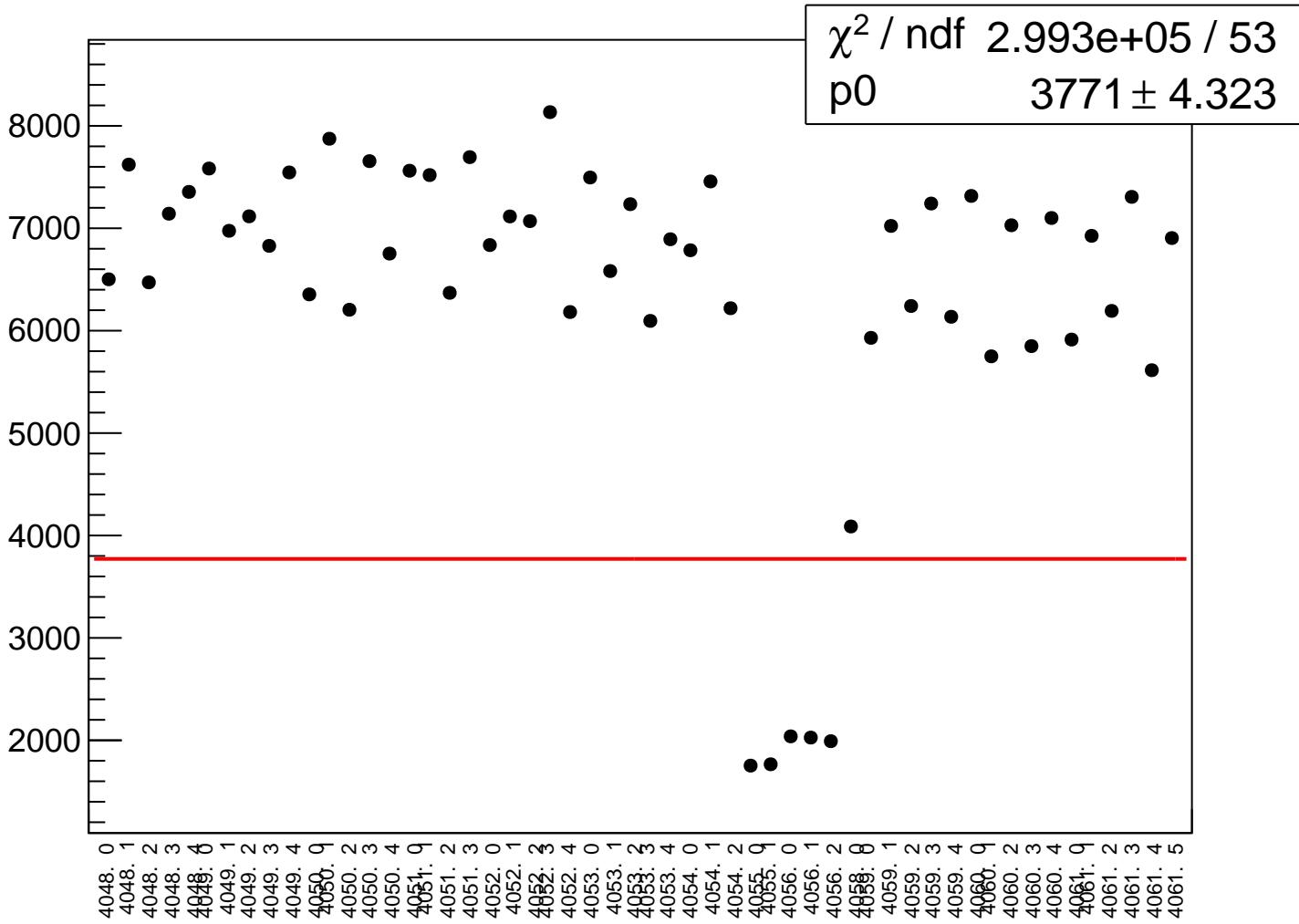
# diff\_bpm1X\_rms vs run



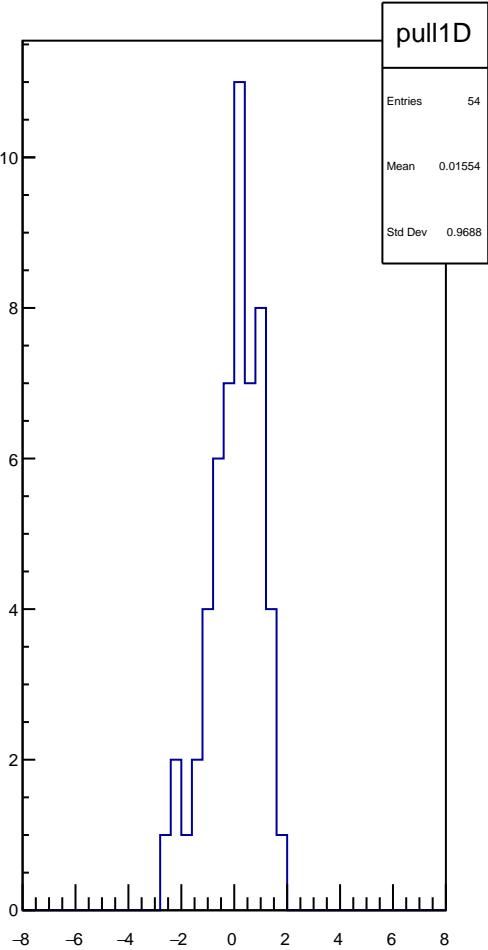
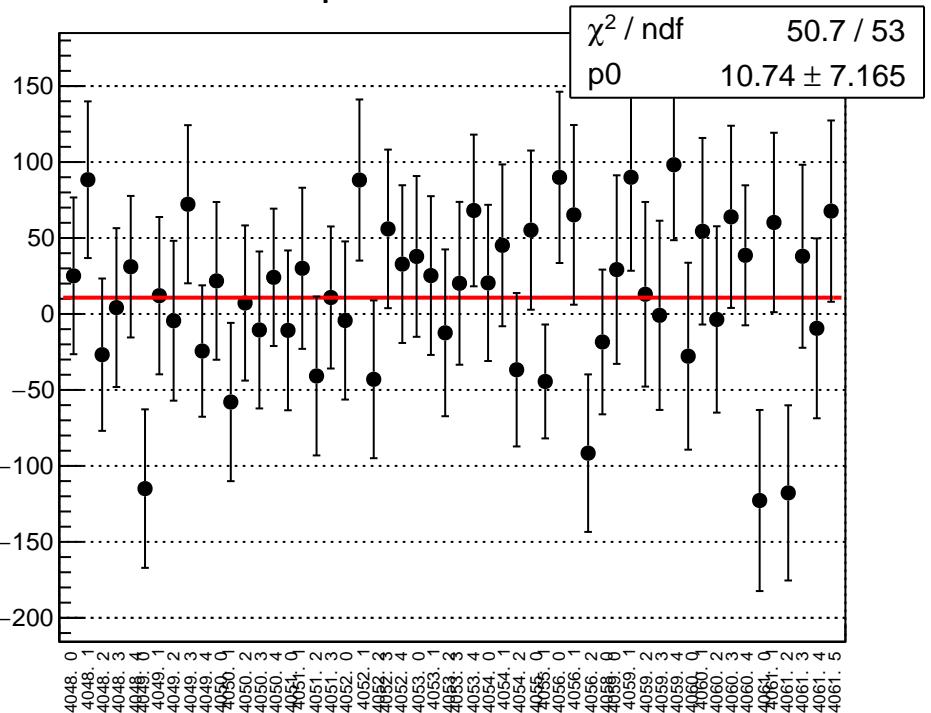
# diff\_bpm1Y\_mean vs run



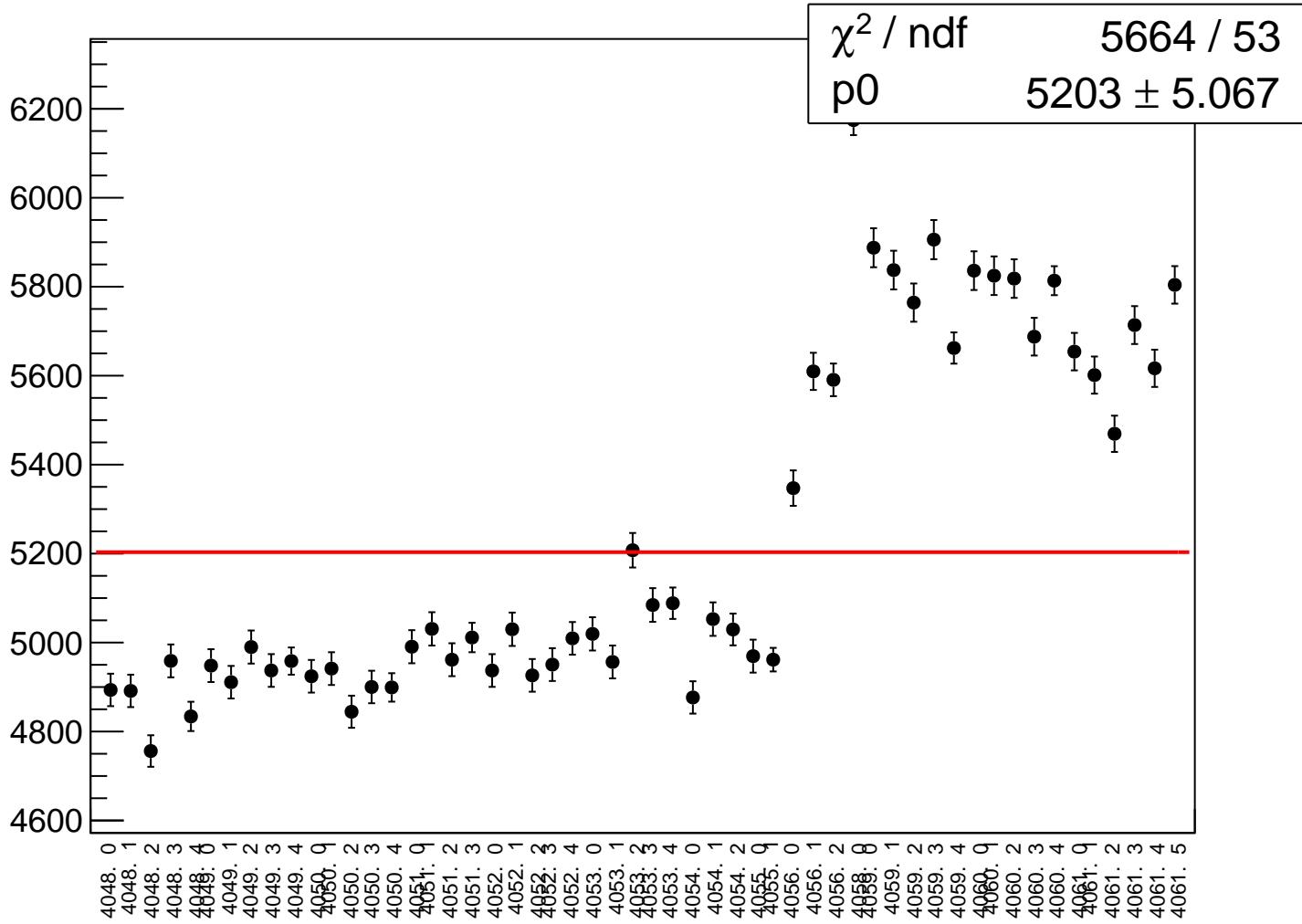
# diff\_bpm1Y\_rms vs run



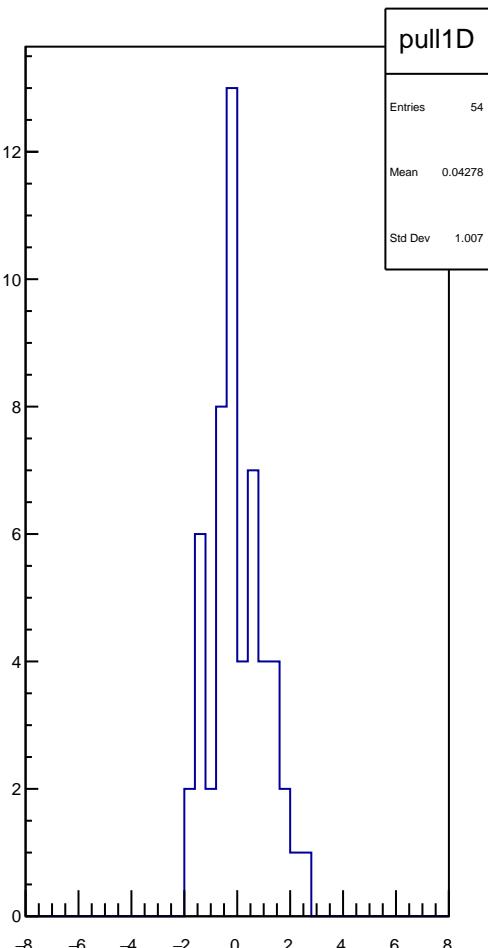
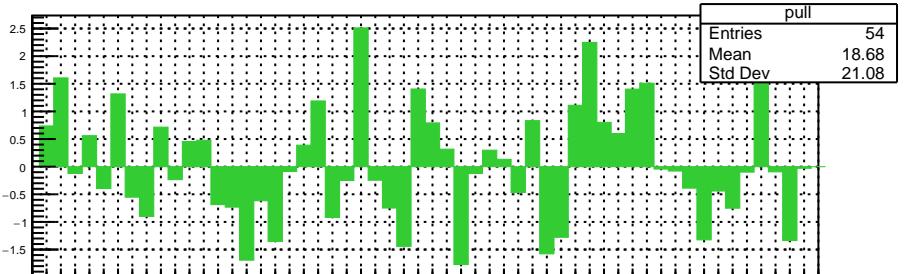
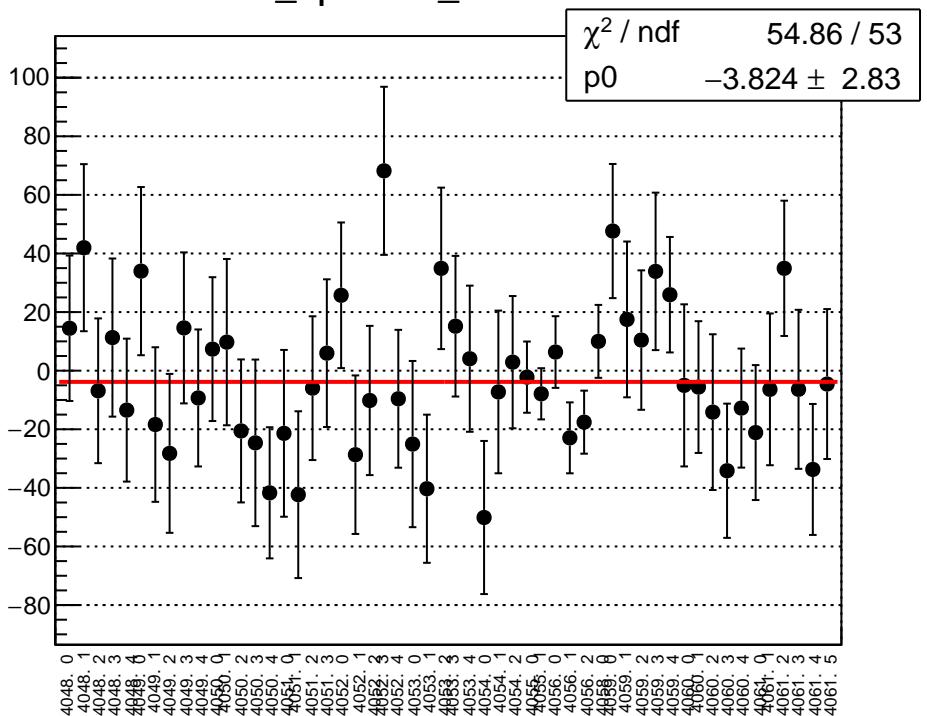
# diff\_bpm11X\_mean vs run



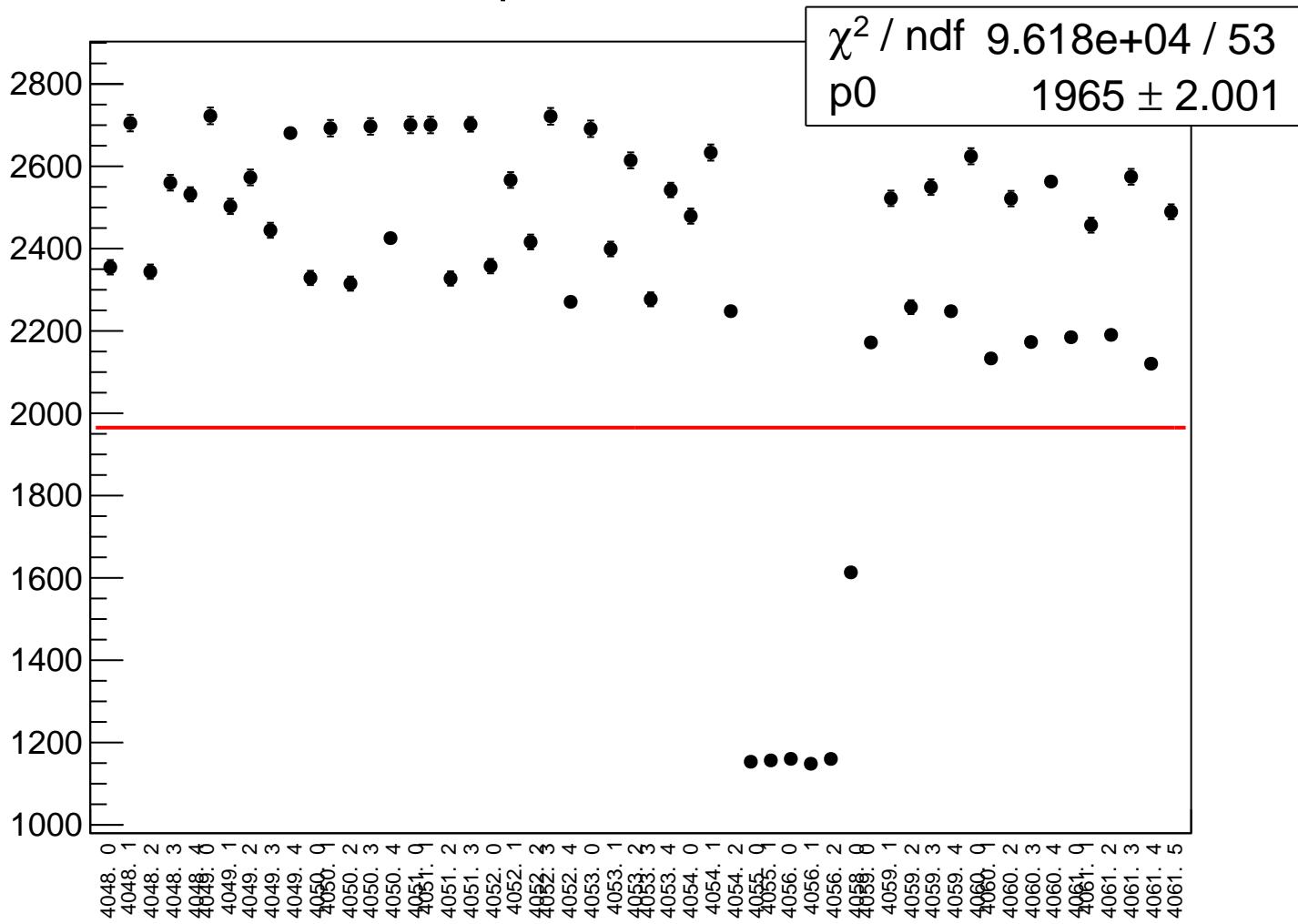
# diff\_bpm11X\_rms vs run



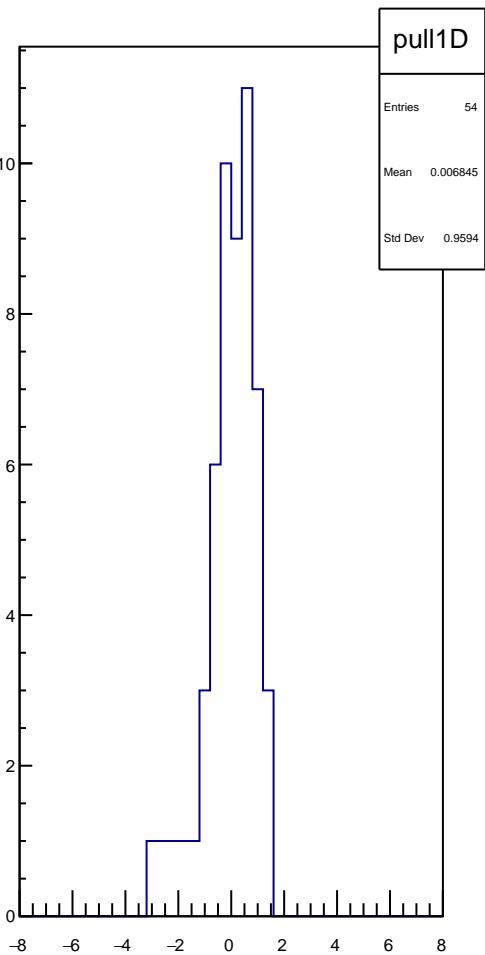
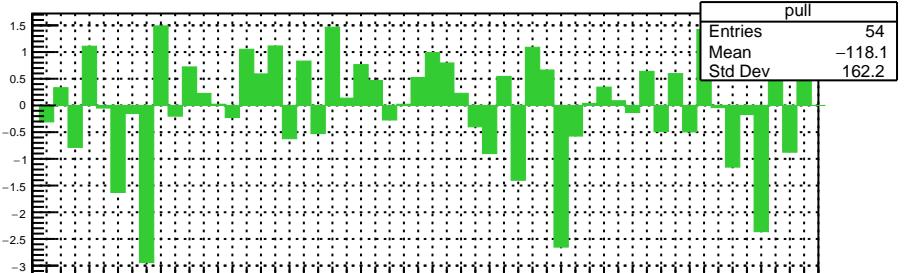
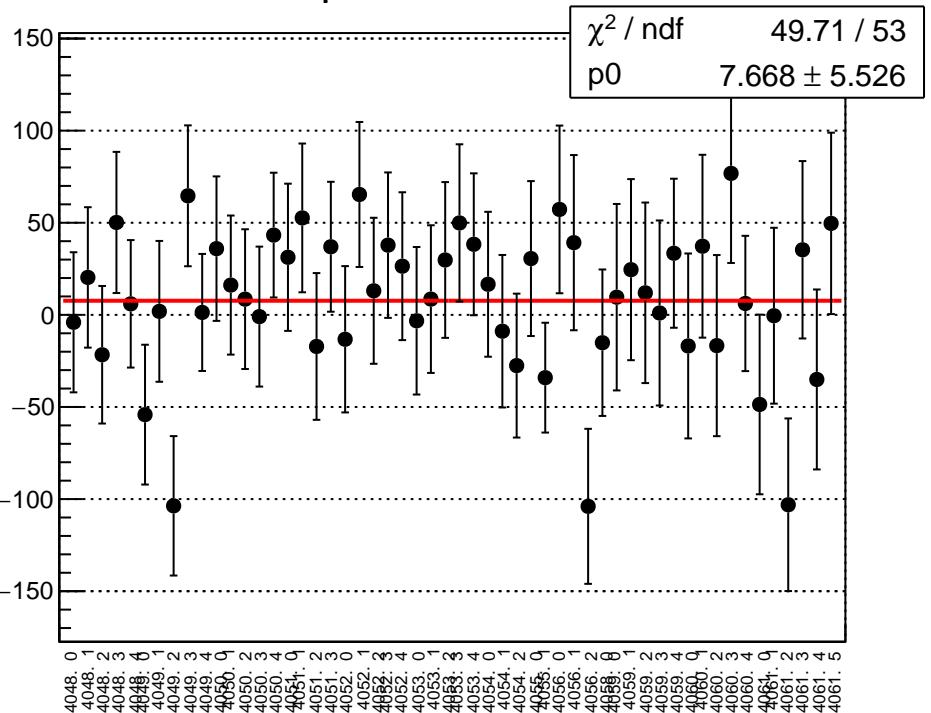
# diff\_bpm11Y\_mean vs run



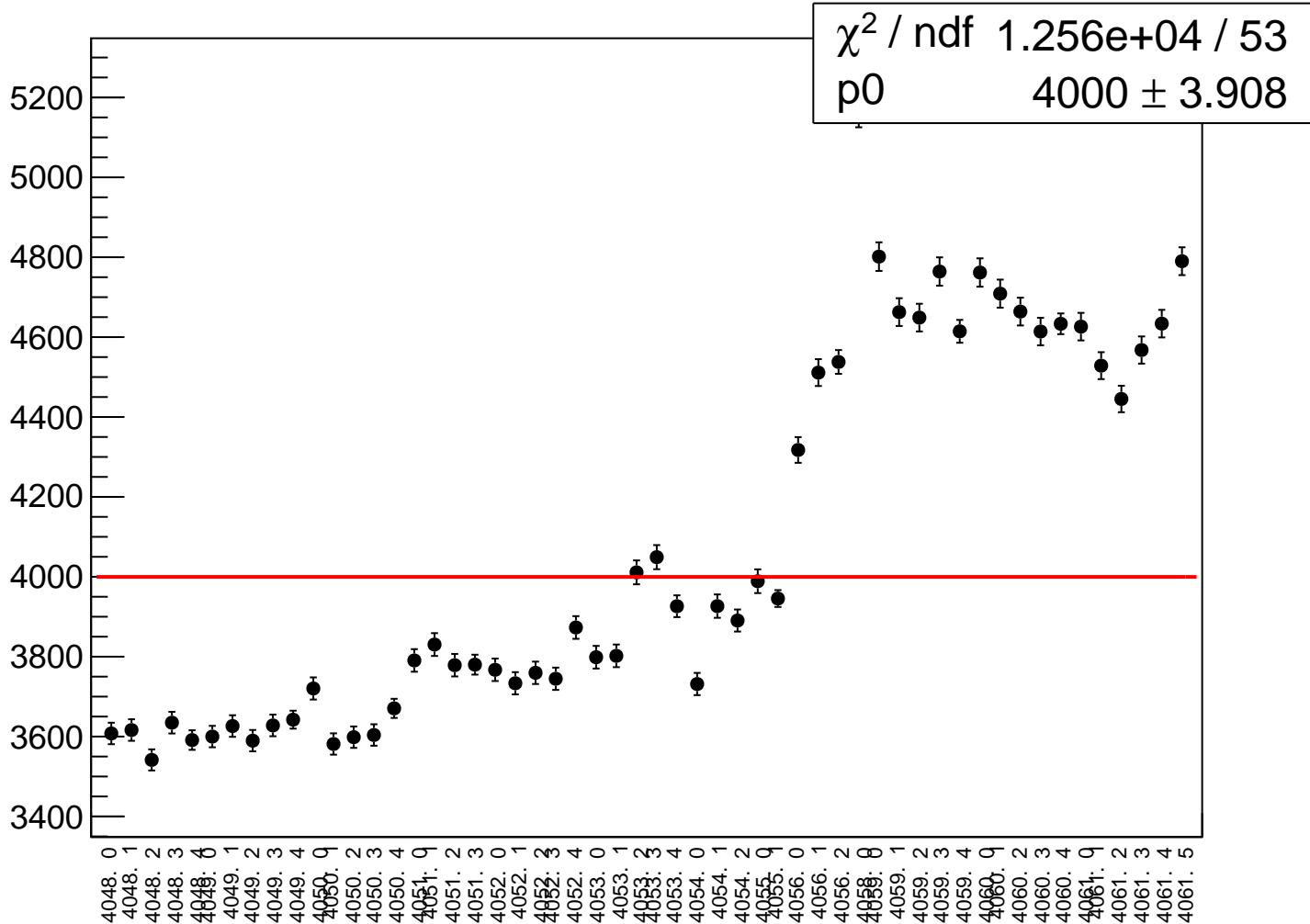
# diff\_bpm11Y\_rms vs run



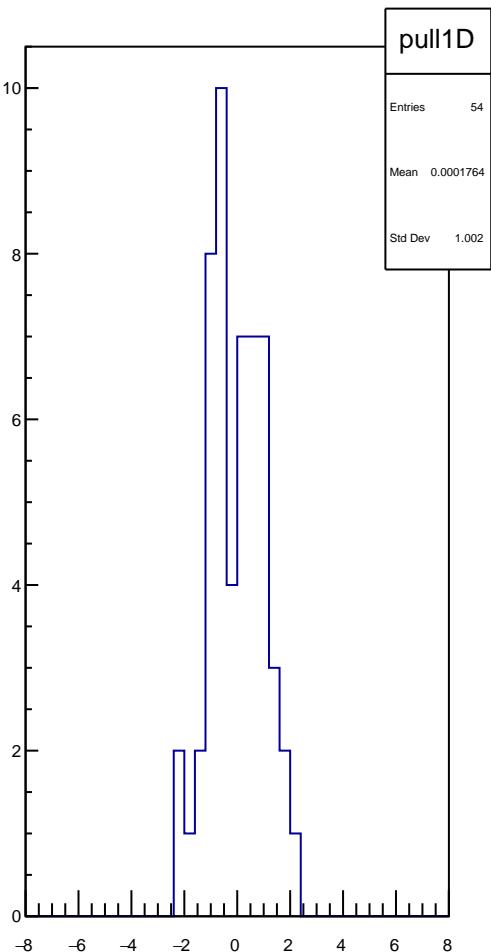
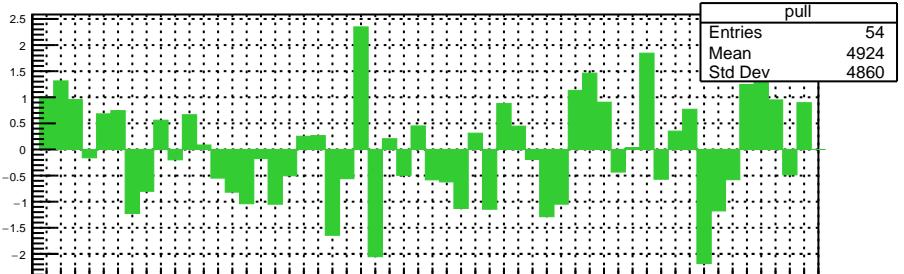
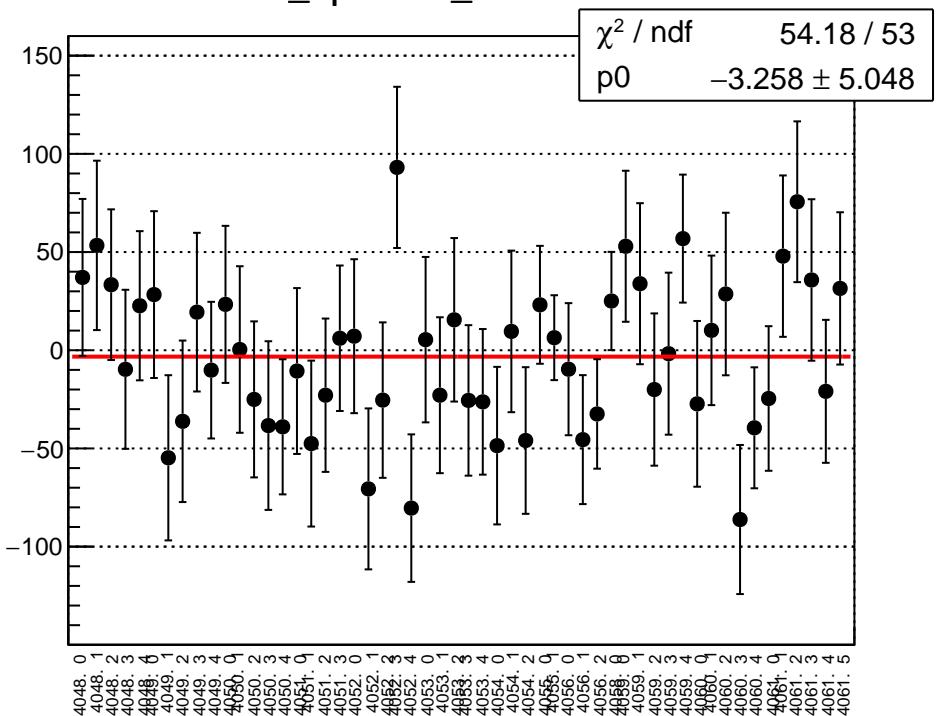
# diff\_bpm12X\_mean vs run



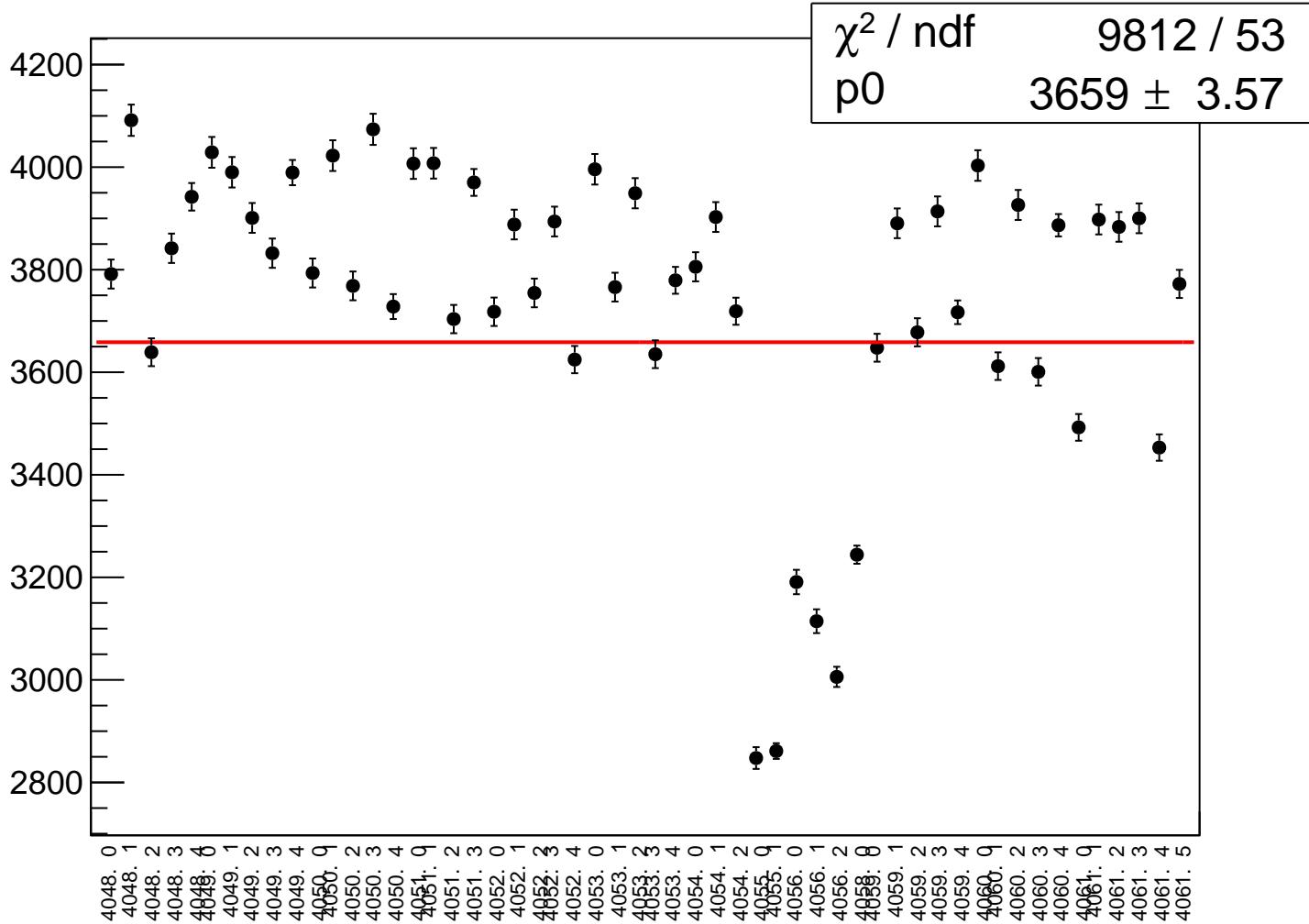
# diff\_bpm12X\_rms vs run



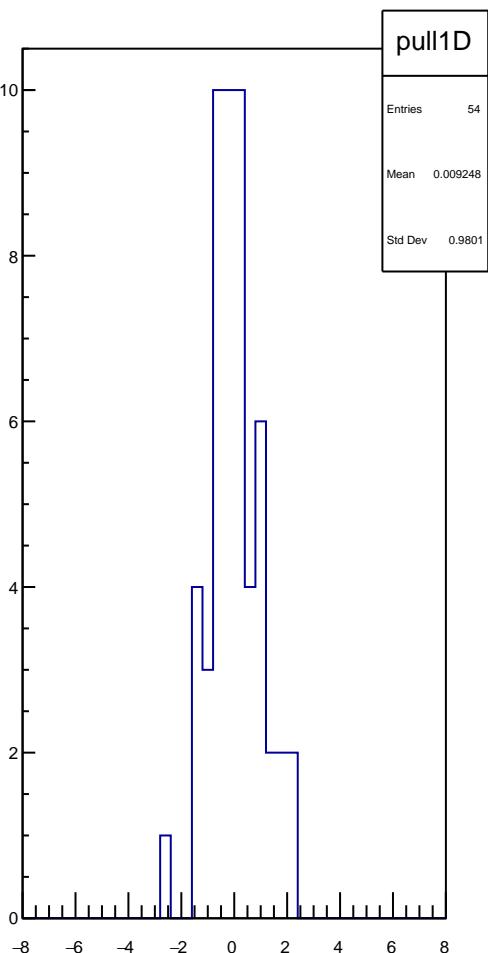
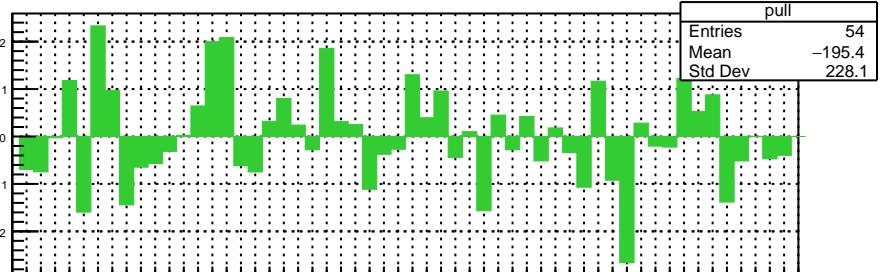
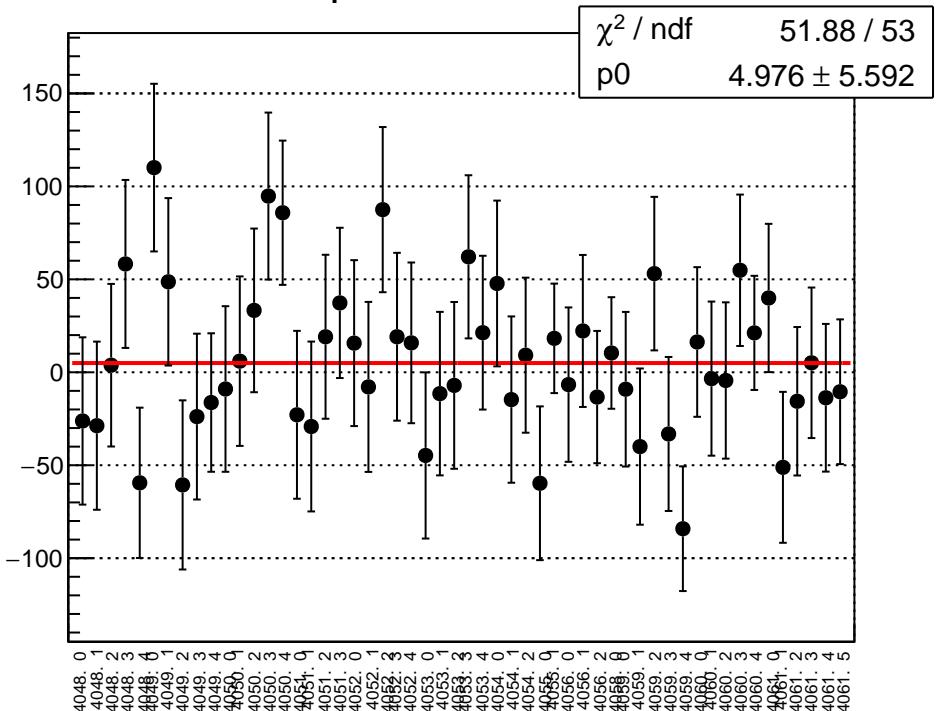
# diff\_bpm12Y\_mean vs run



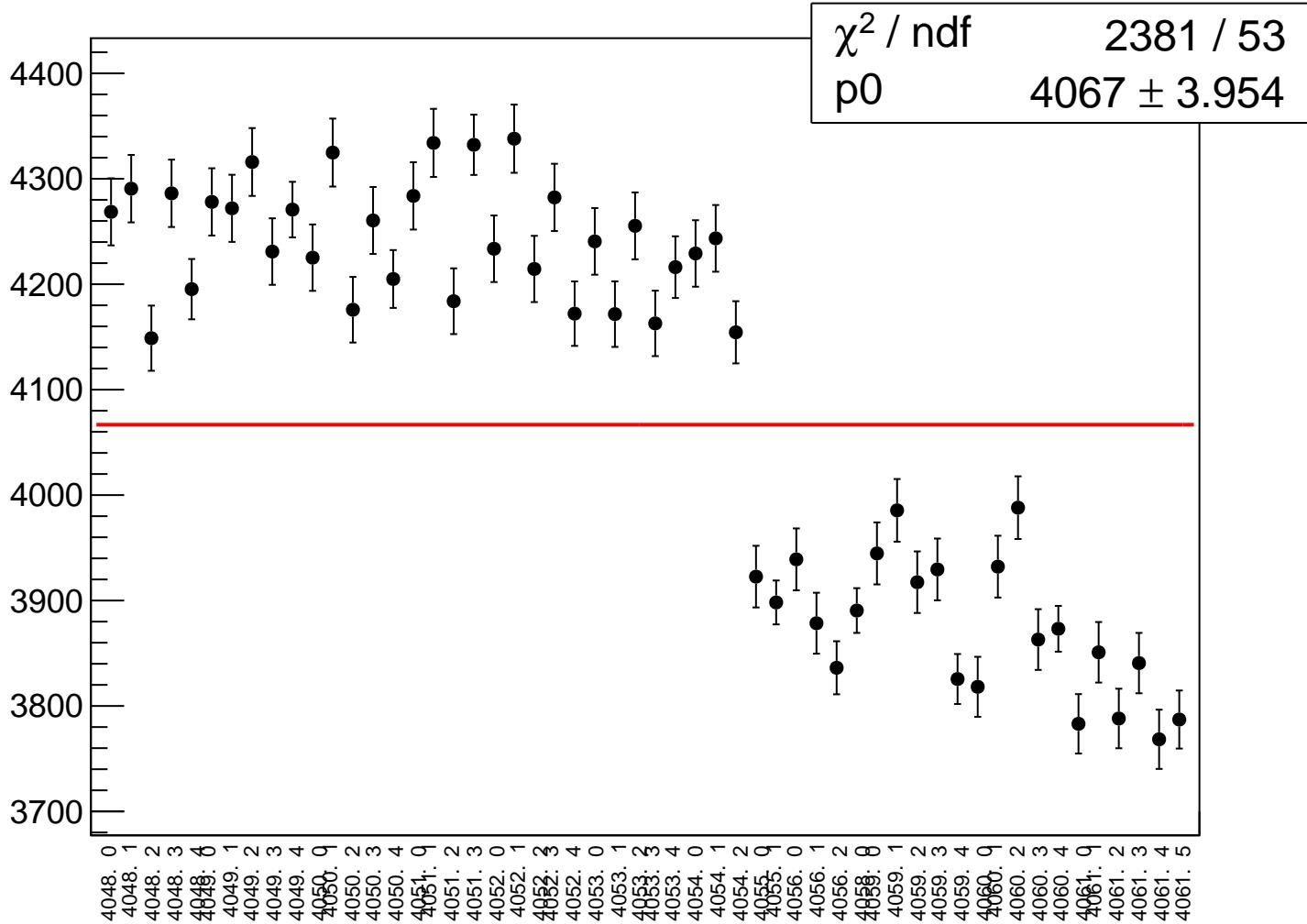
# diff\_bpm12Y\_rms vs run



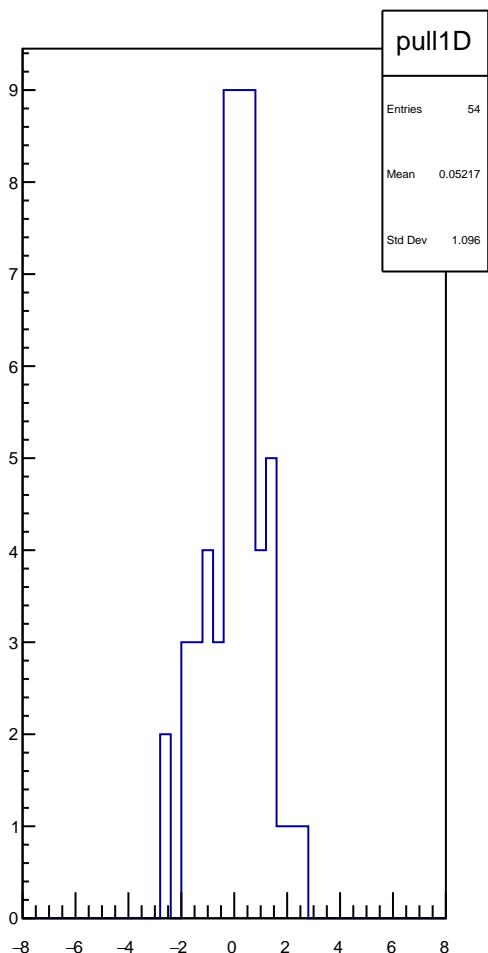
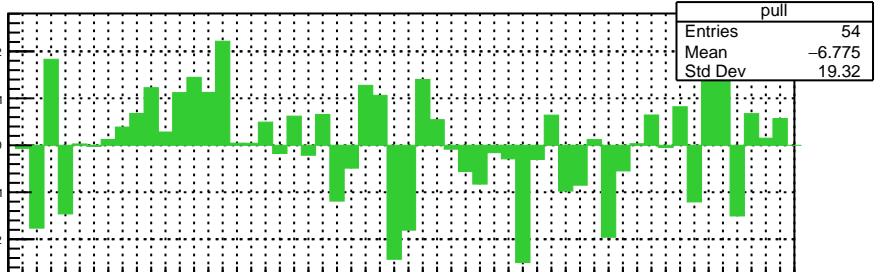
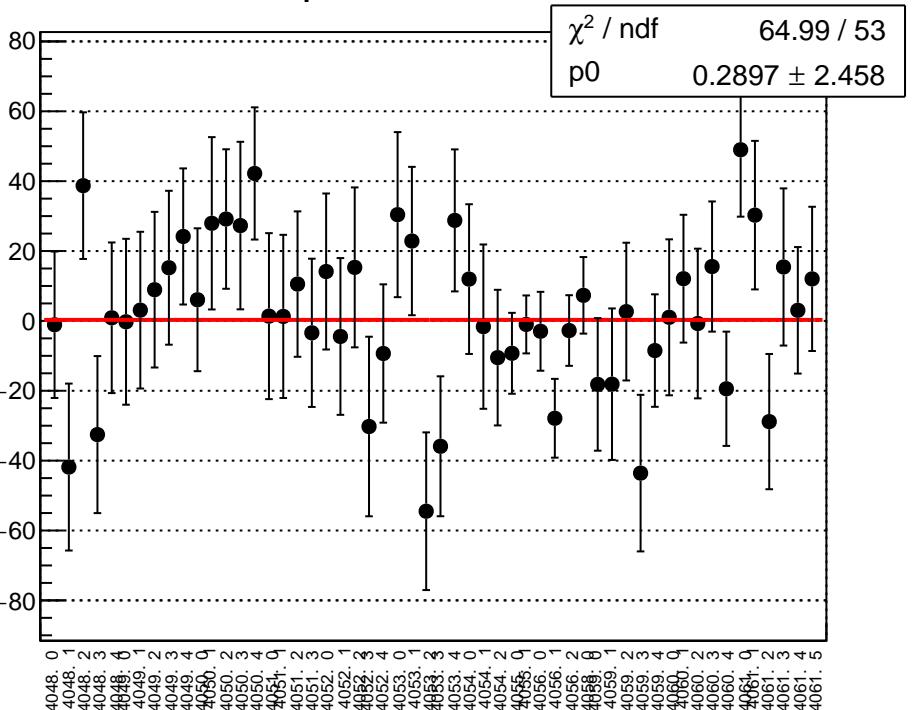
# diff\_bpm16X\_mean vs run



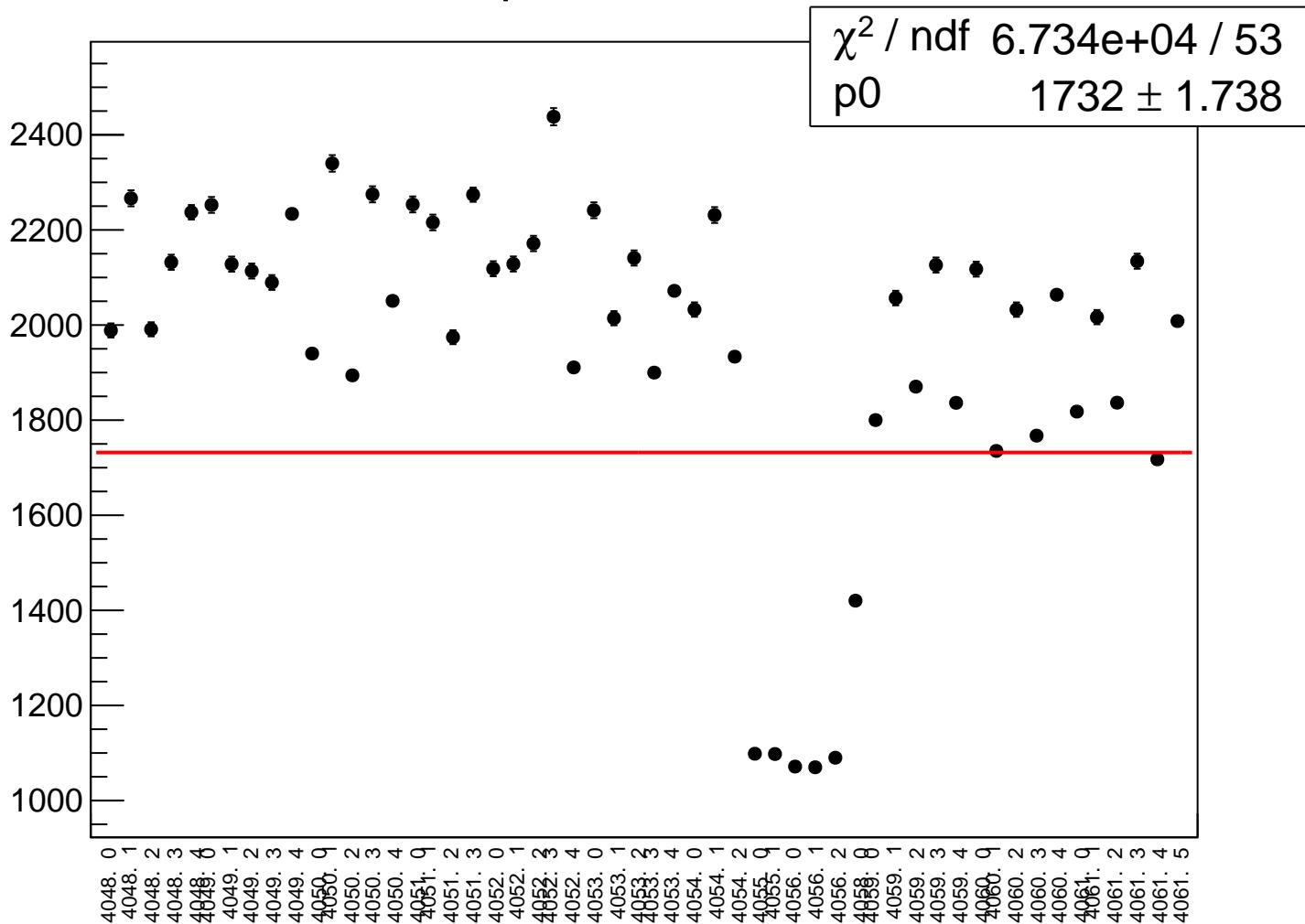
# diff\_bpm16X\_rms vs run



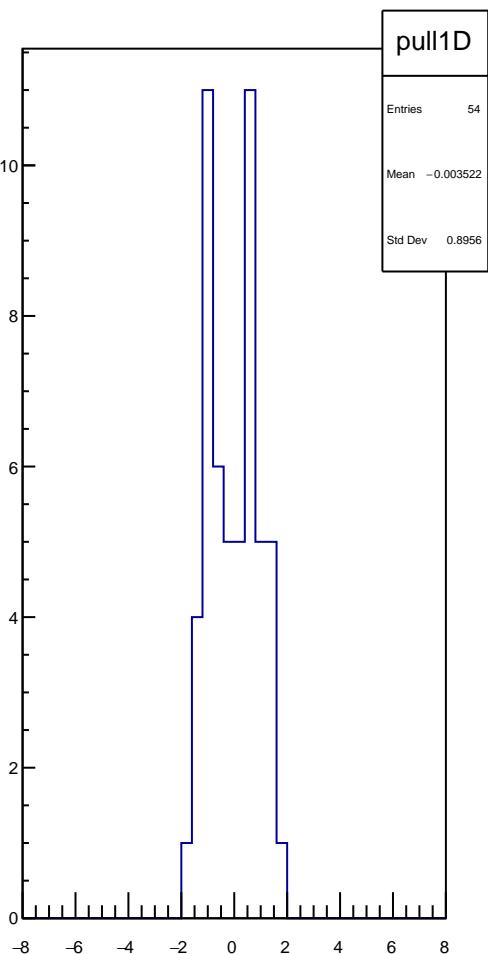
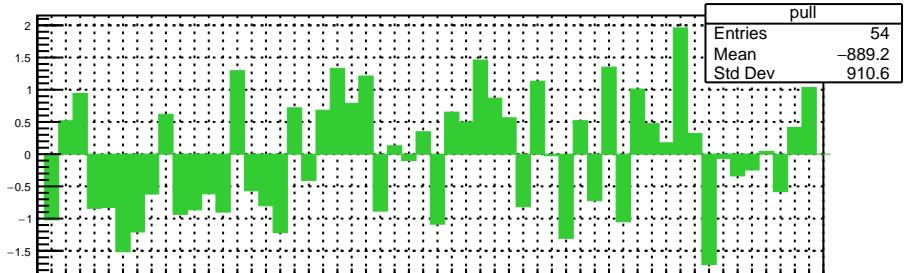
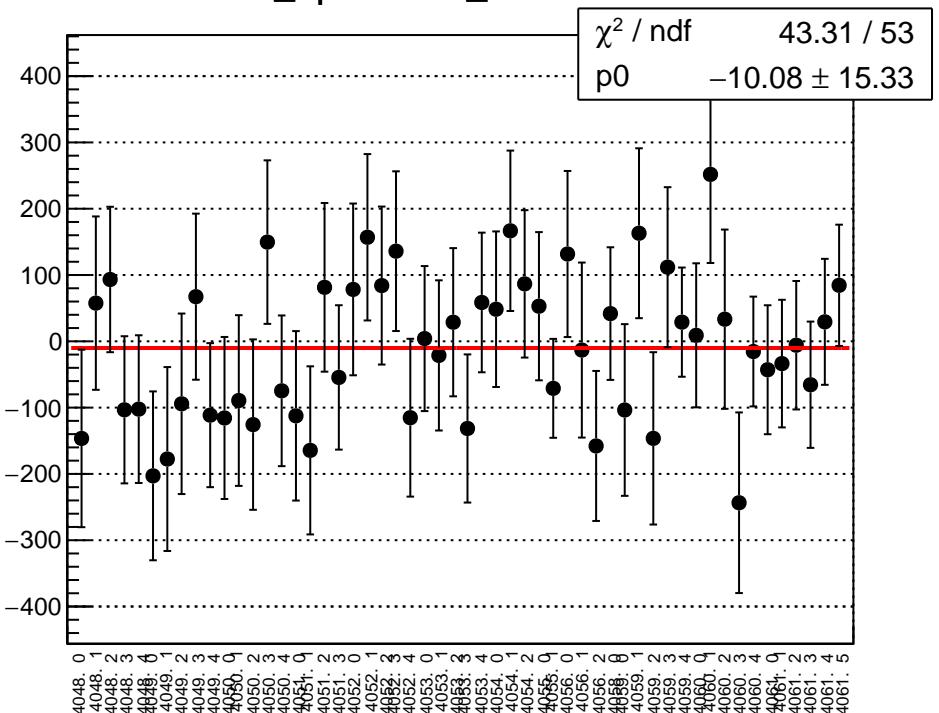
# diff\_bpm16Y\_mean vs run



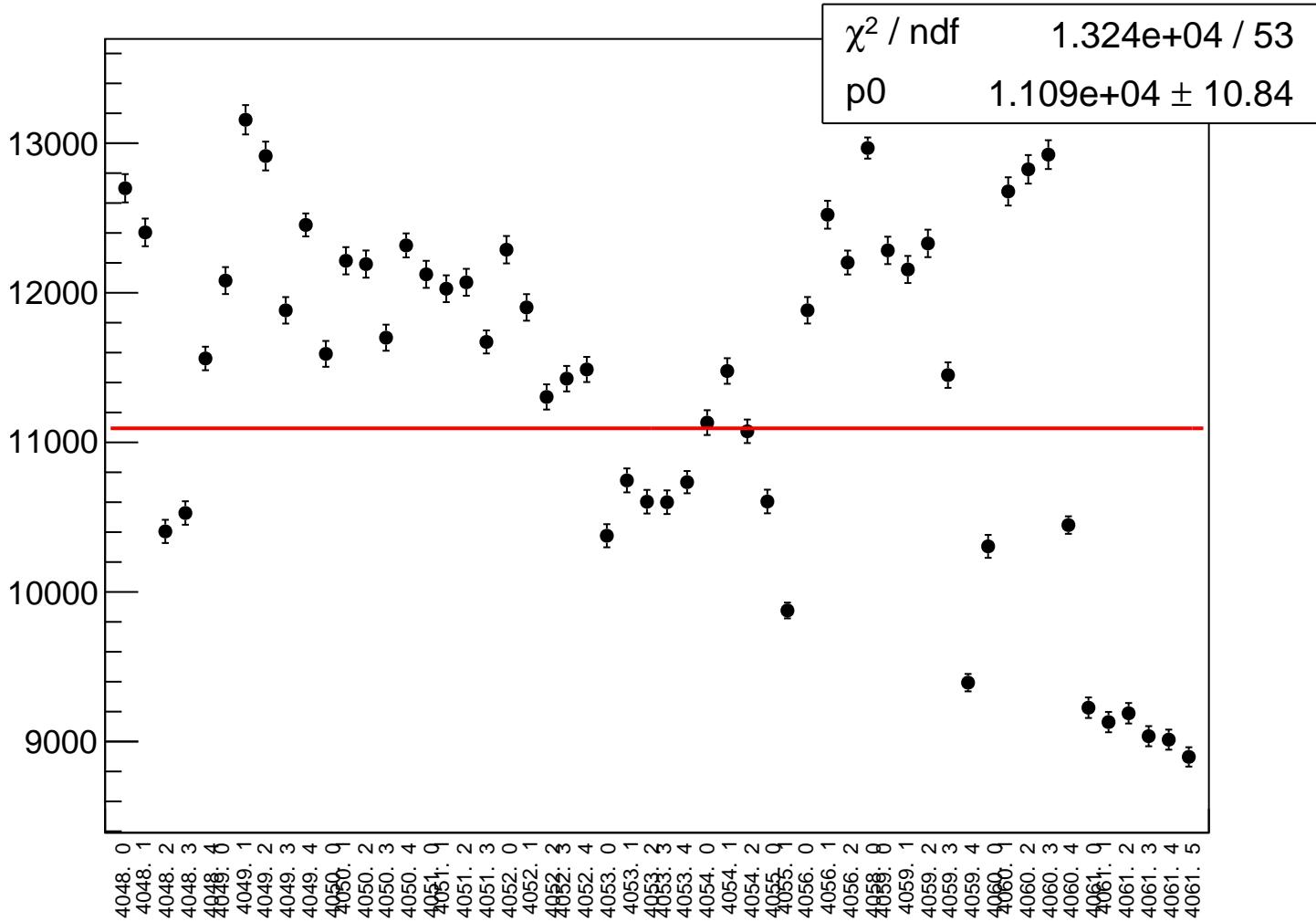
# diff\_bpm16Y\_rms vs run



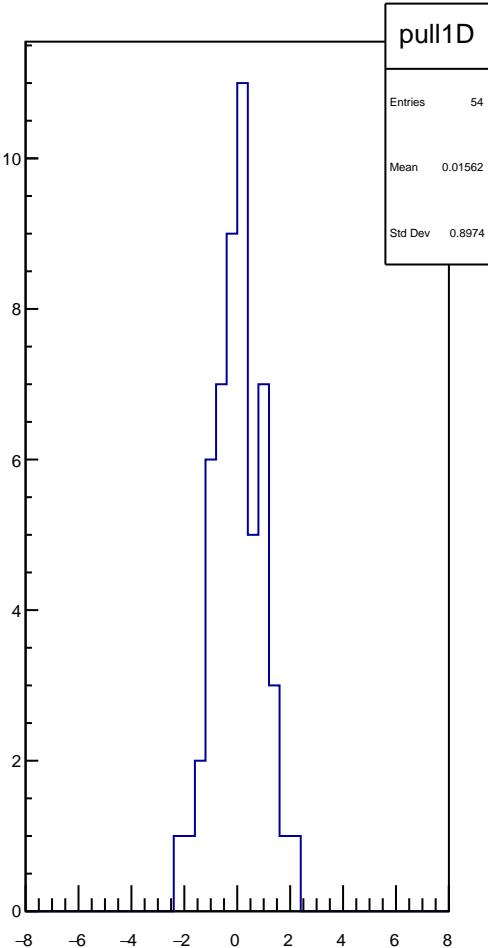
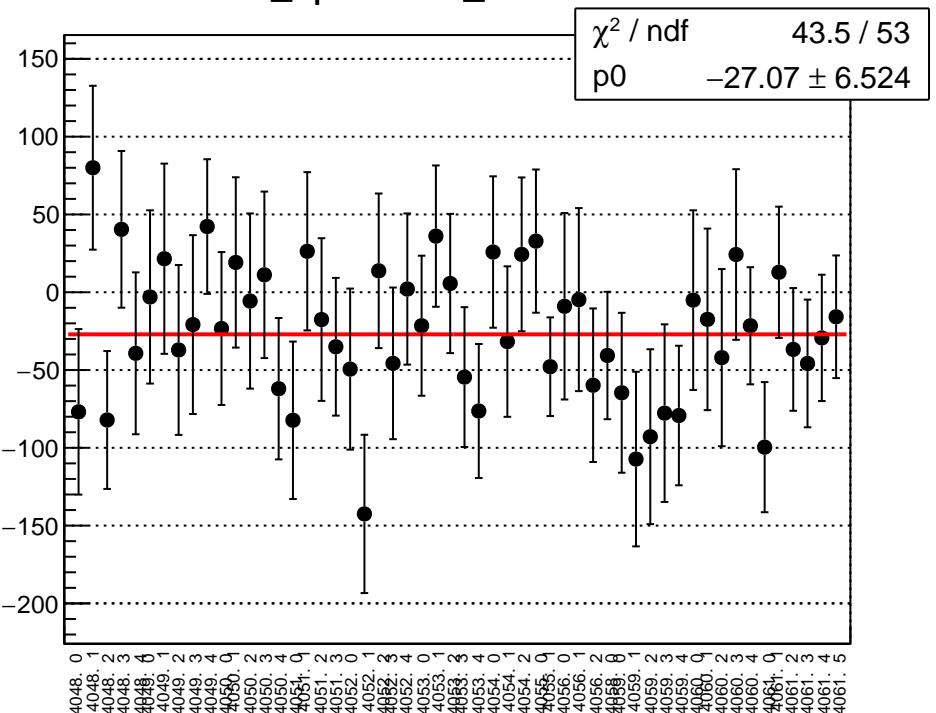
# diff\_bpm0l01X\_mean vs run



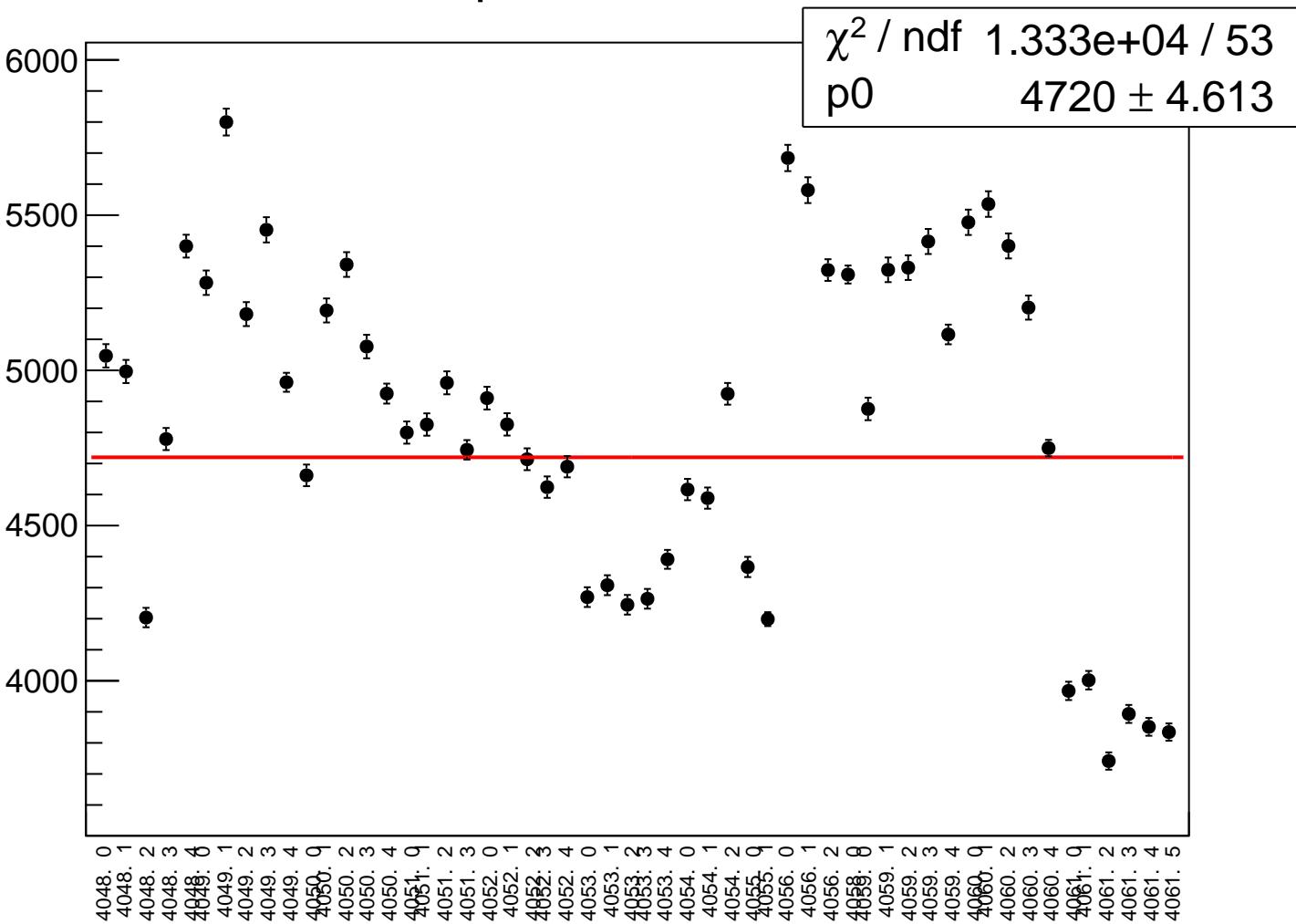
# diff\_bpm0I01X\_rms vs run



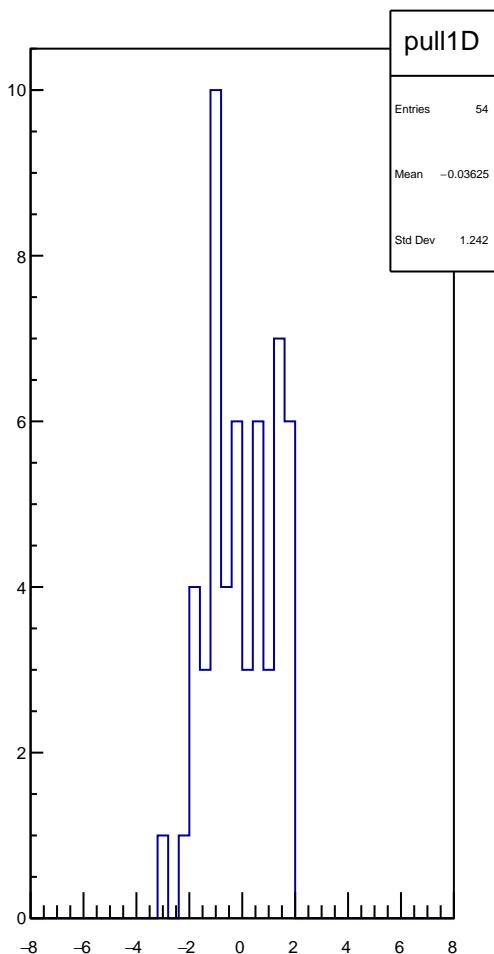
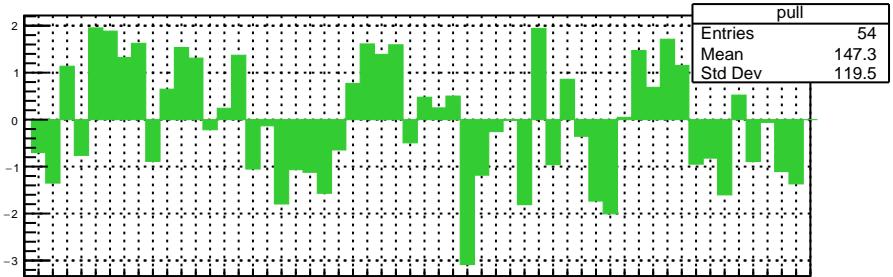
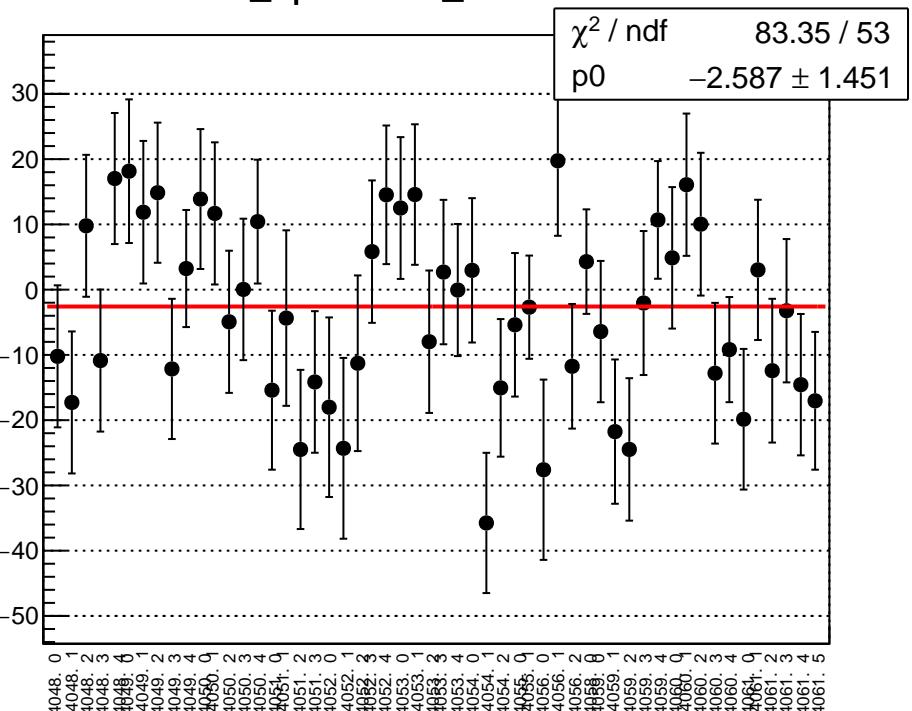
# diff\_bpm0l01Y\_mean vs run



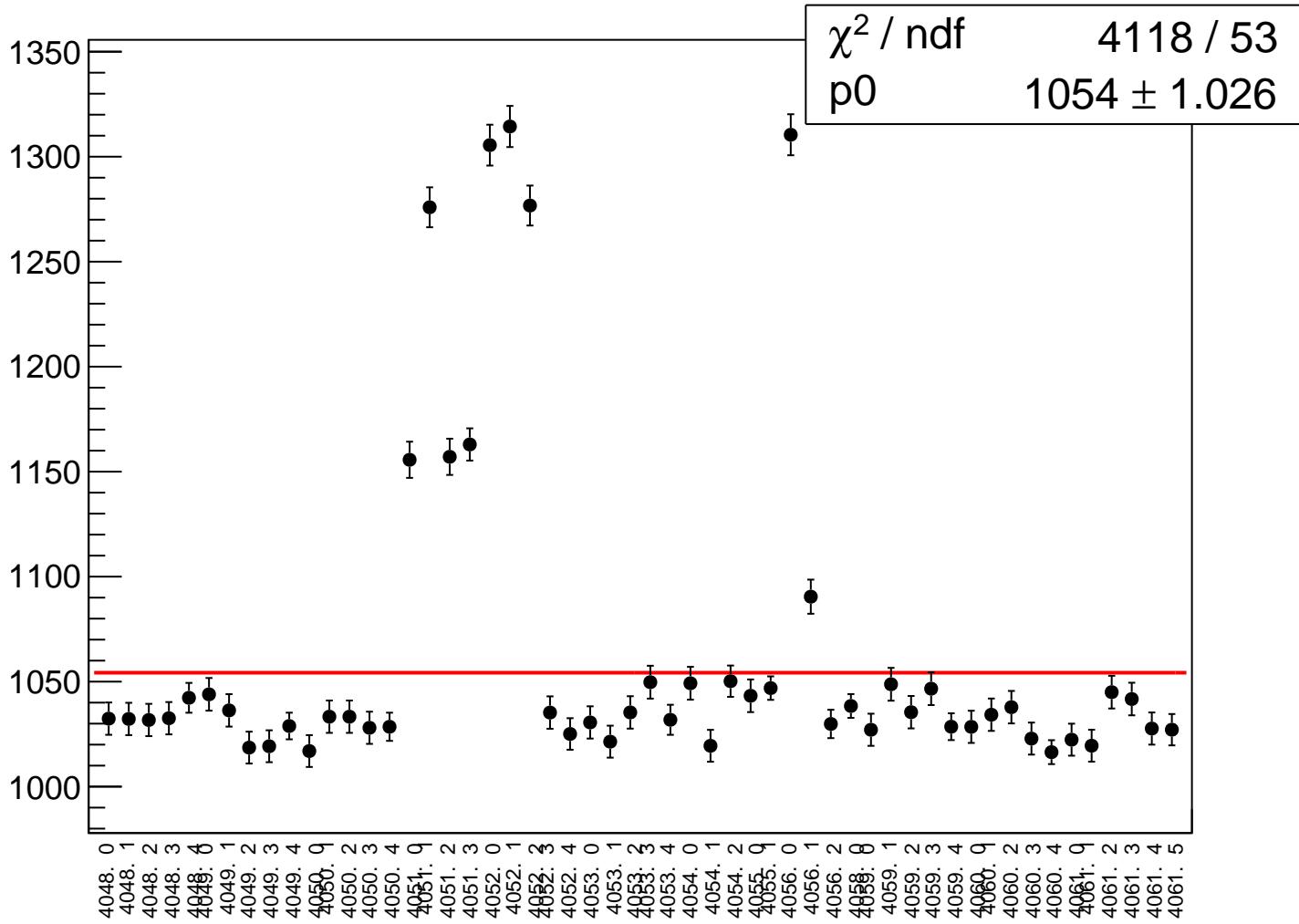
# diff\_bpm0I01Y\_rms vs run



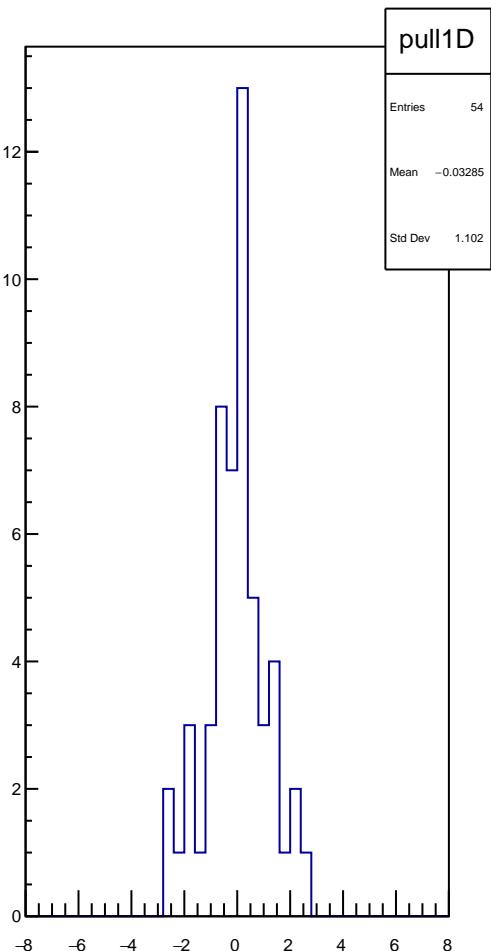
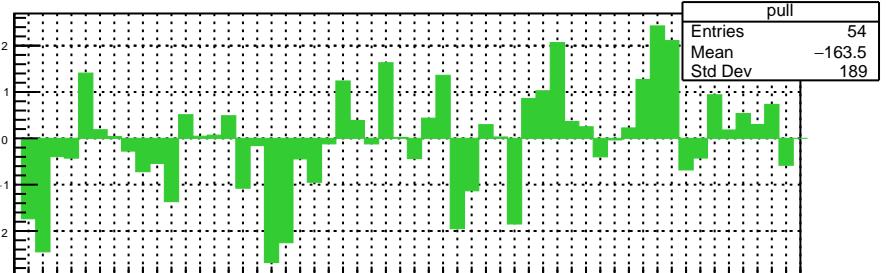
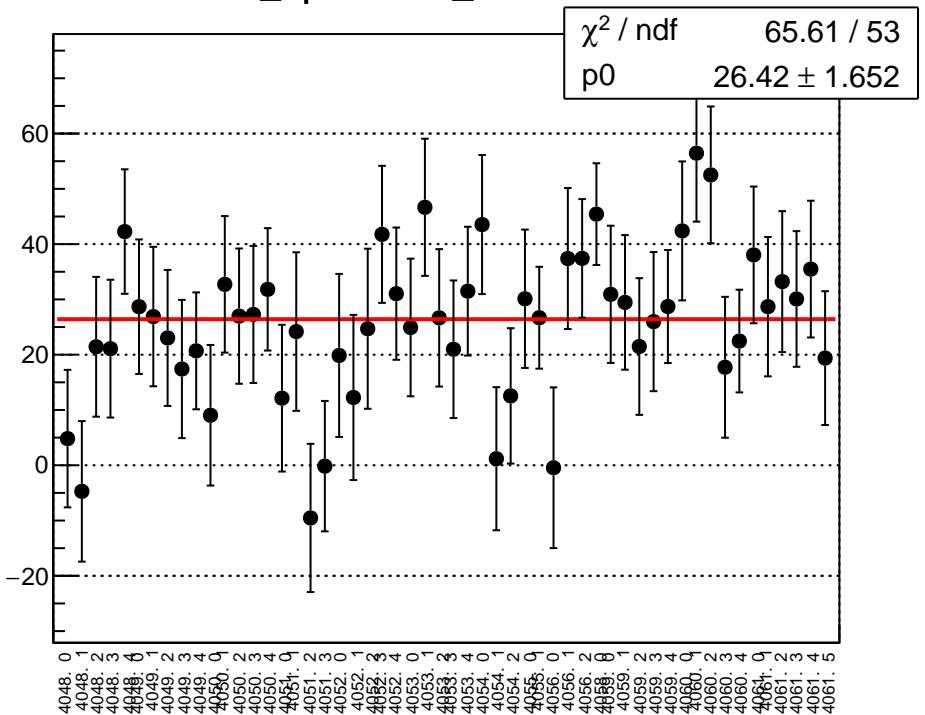
# diff\_bpm2i01X\_mean vs run



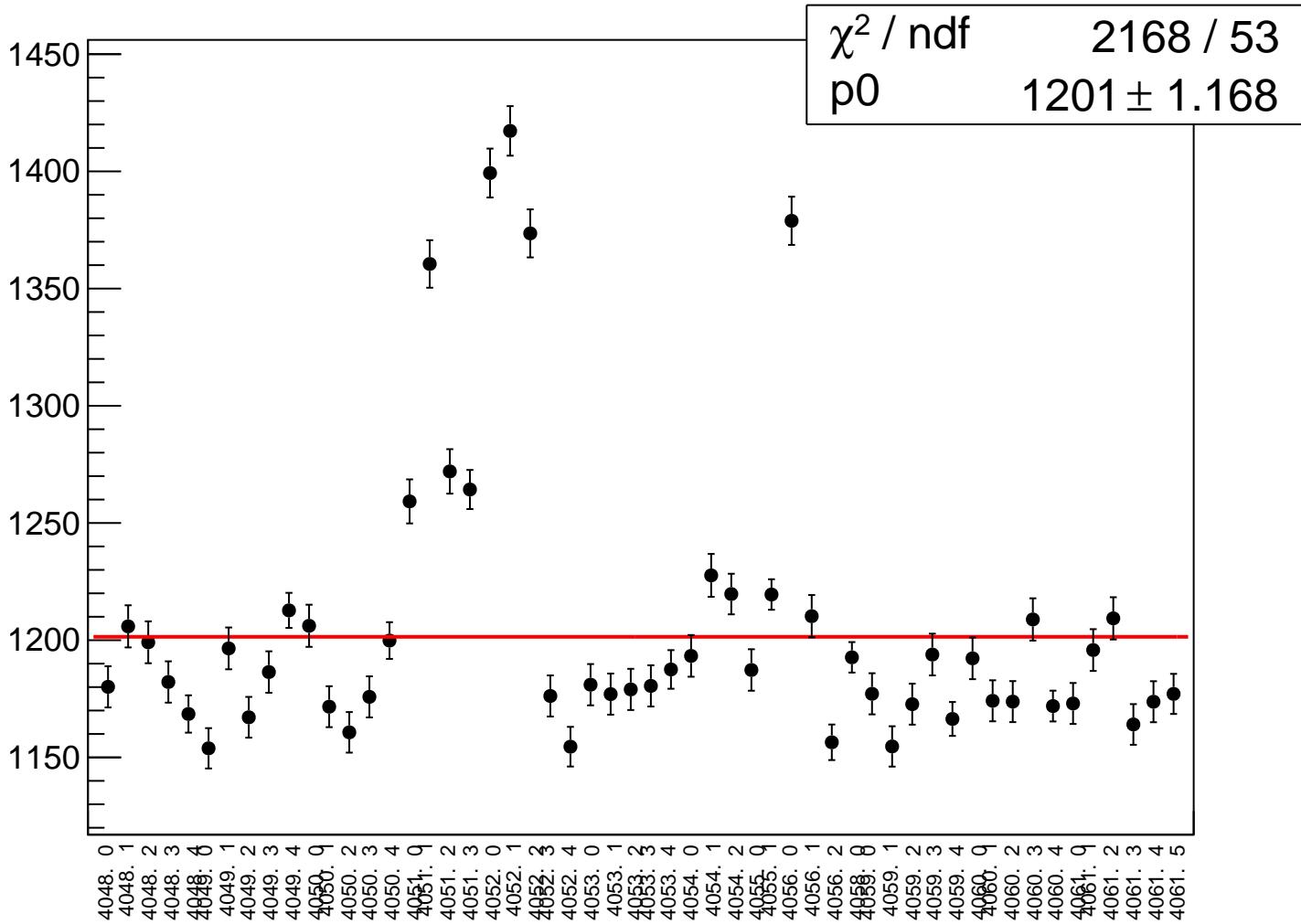
# diff\_bpm2i01X\_rms vs run



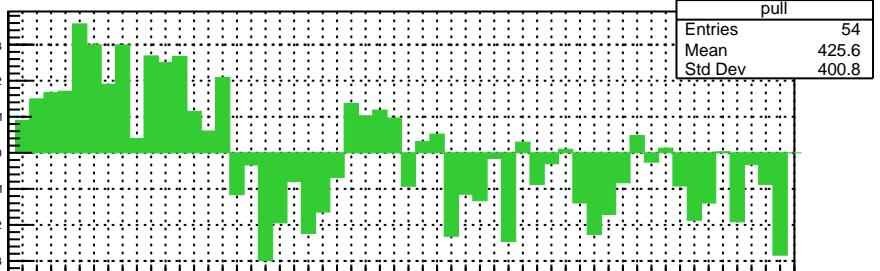
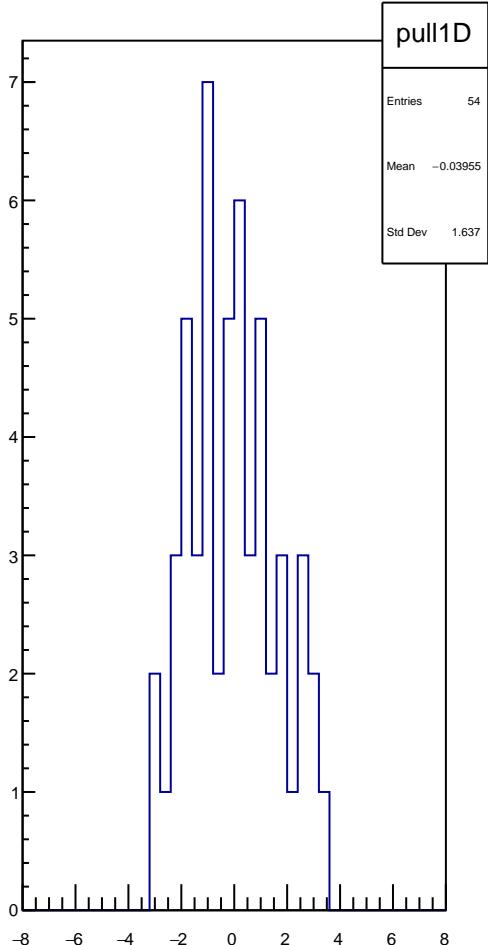
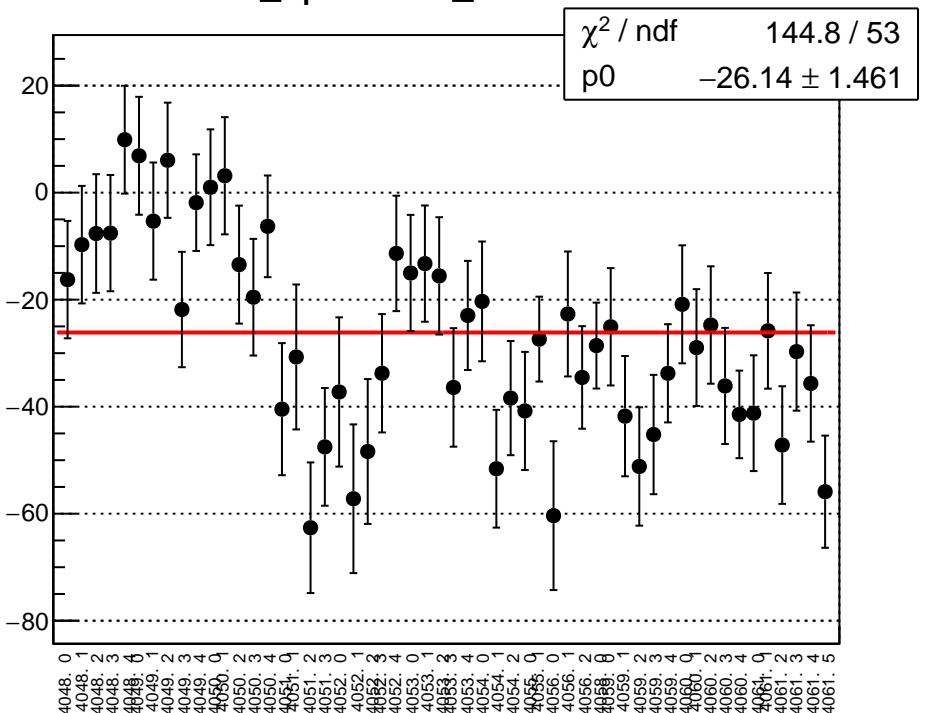
# diff\_bpm2i01Y\_mean vs run



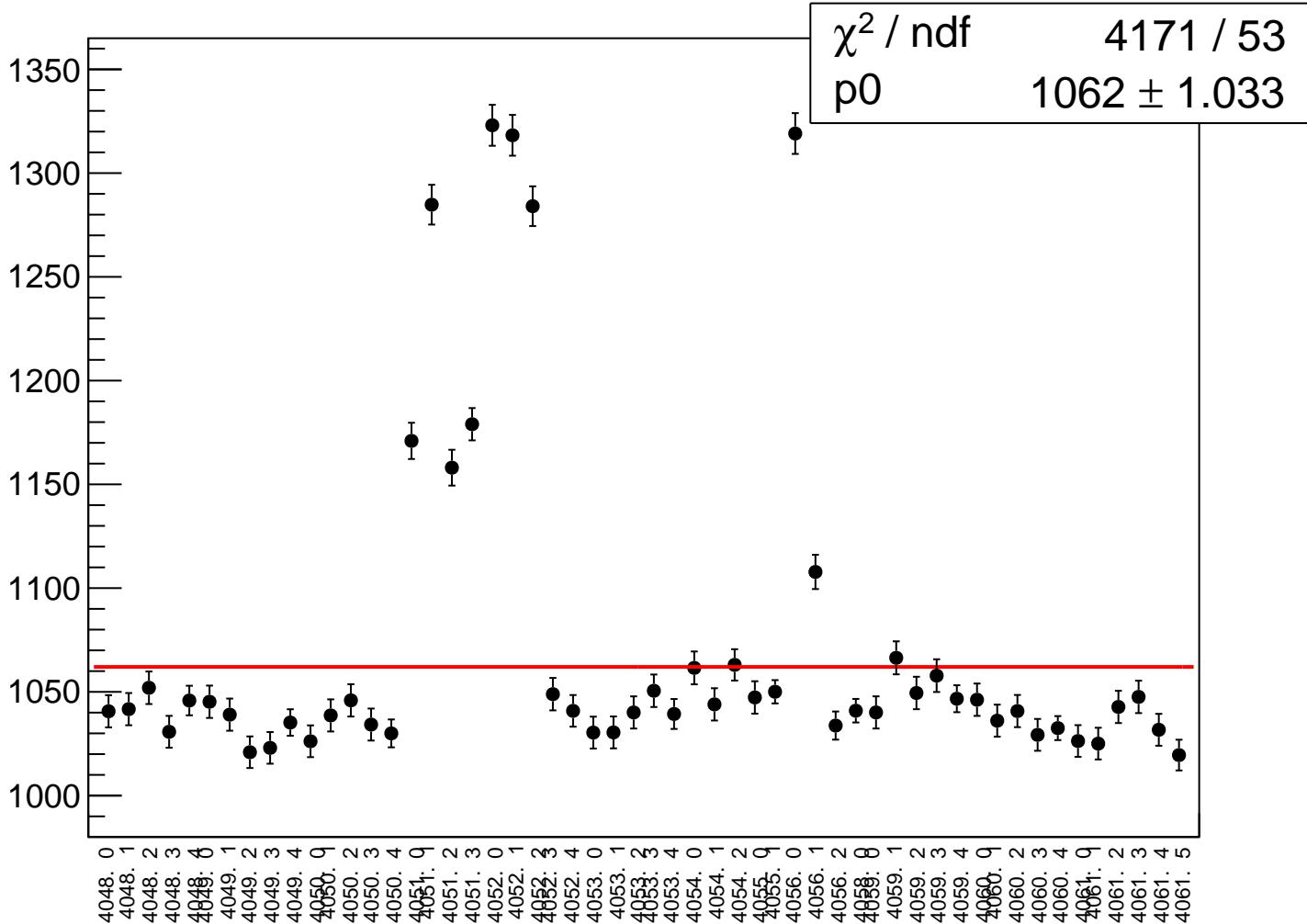
# diff\_bpm2i01Y\_rms vs run



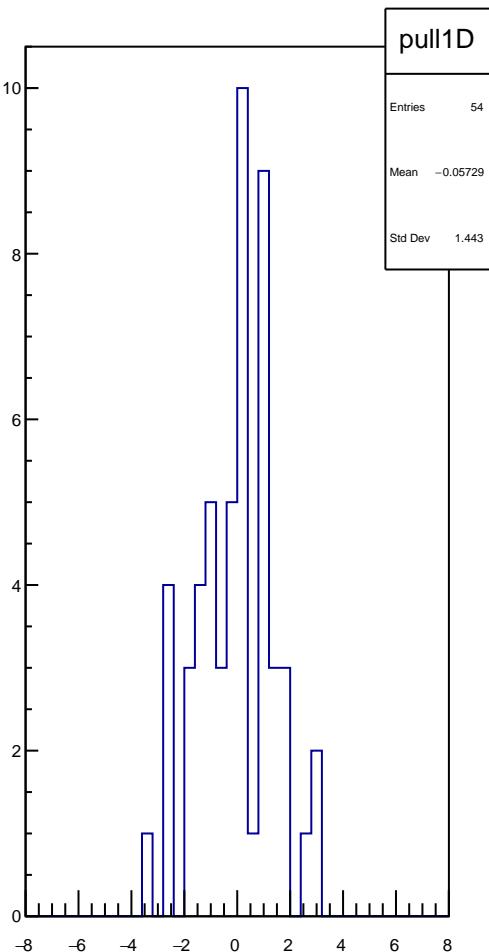
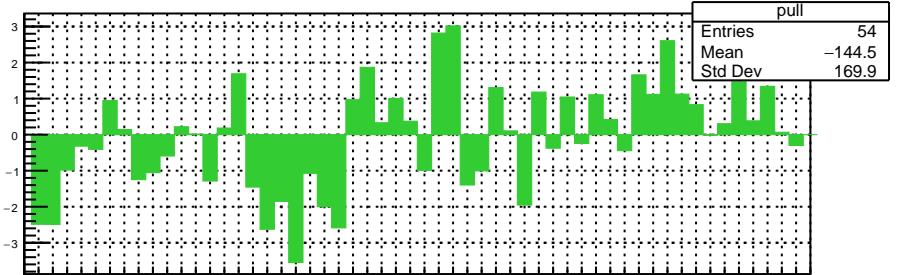
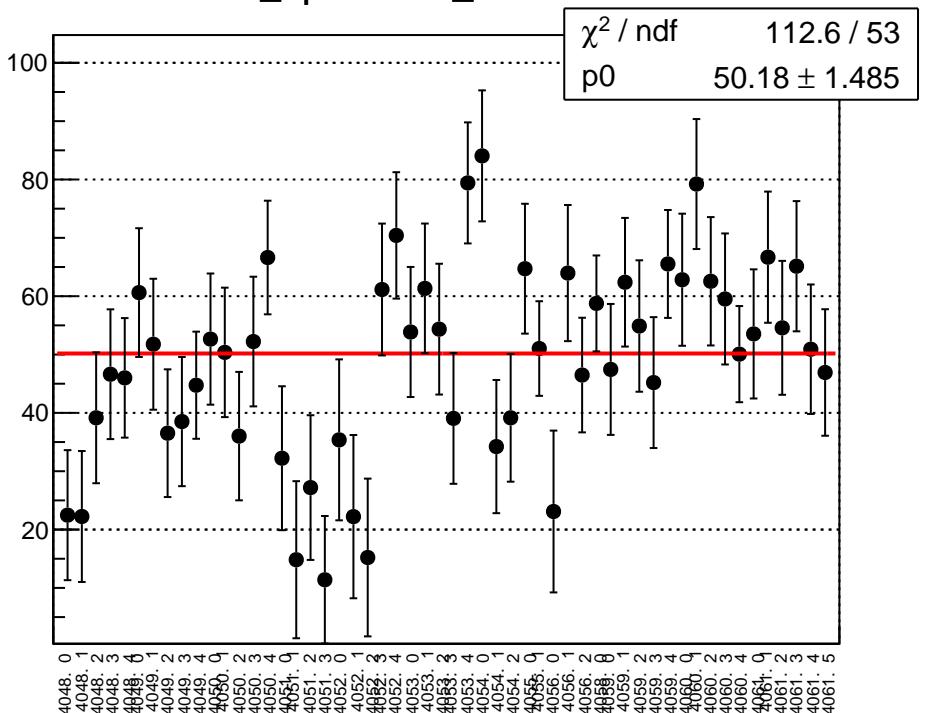
# diff\_bpm2i02X\_mean vs run



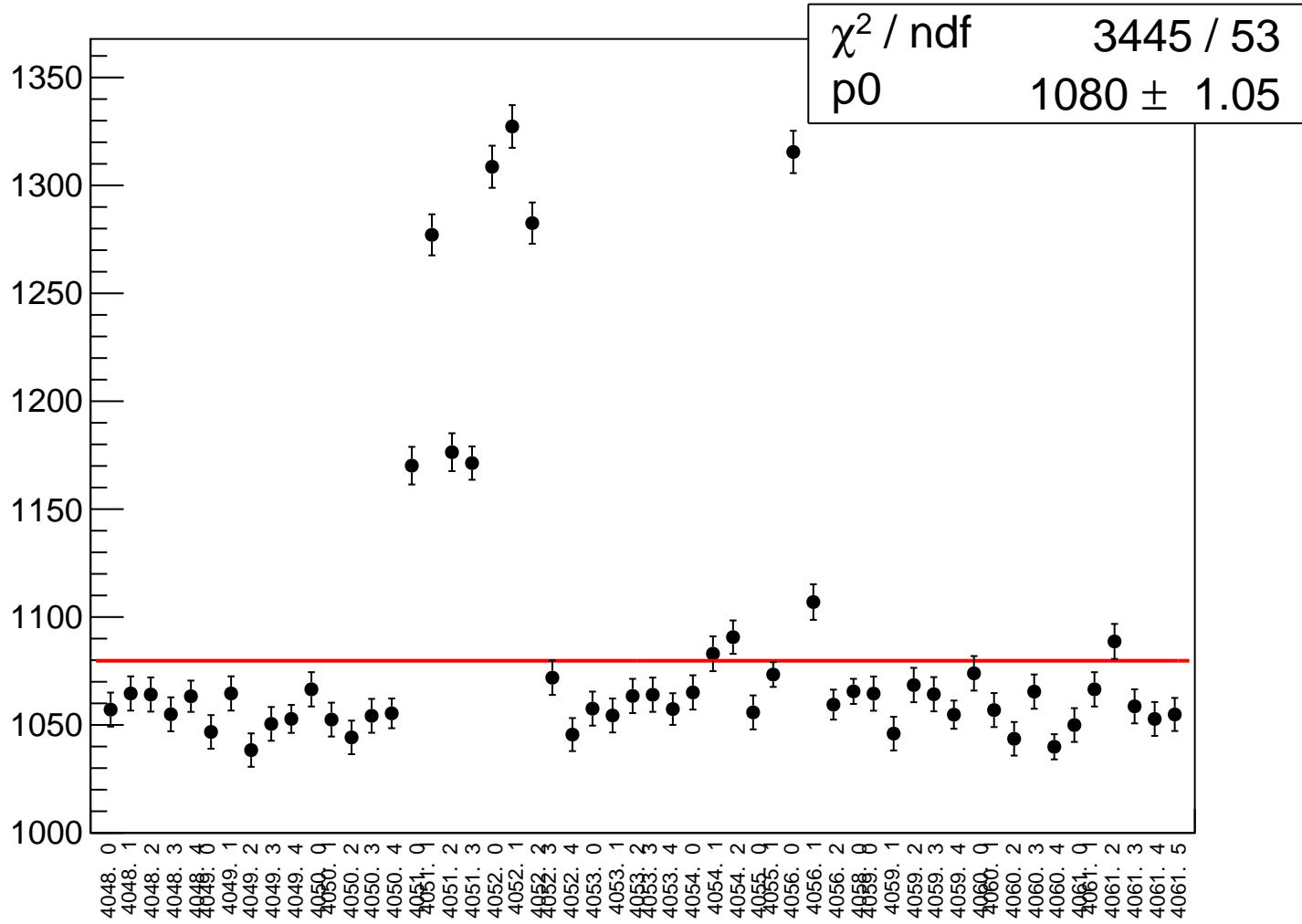
# diff\_bpm2i02X\_rms vs run



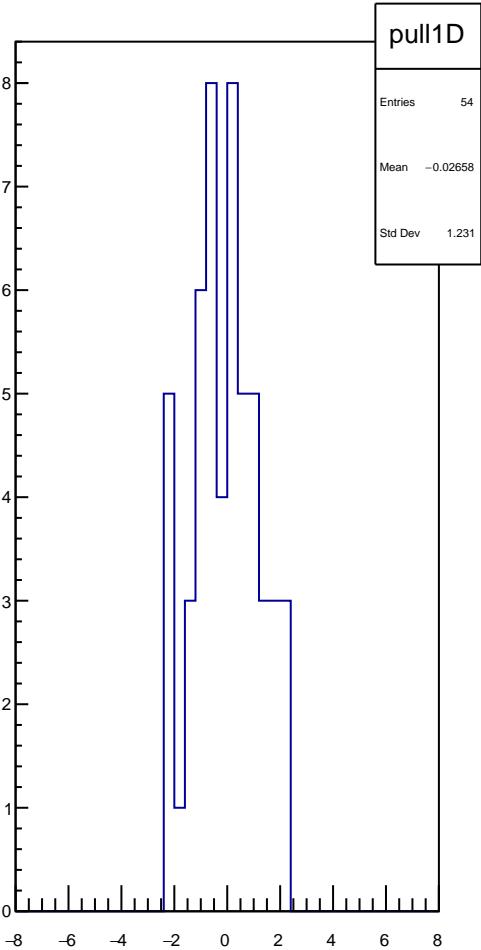
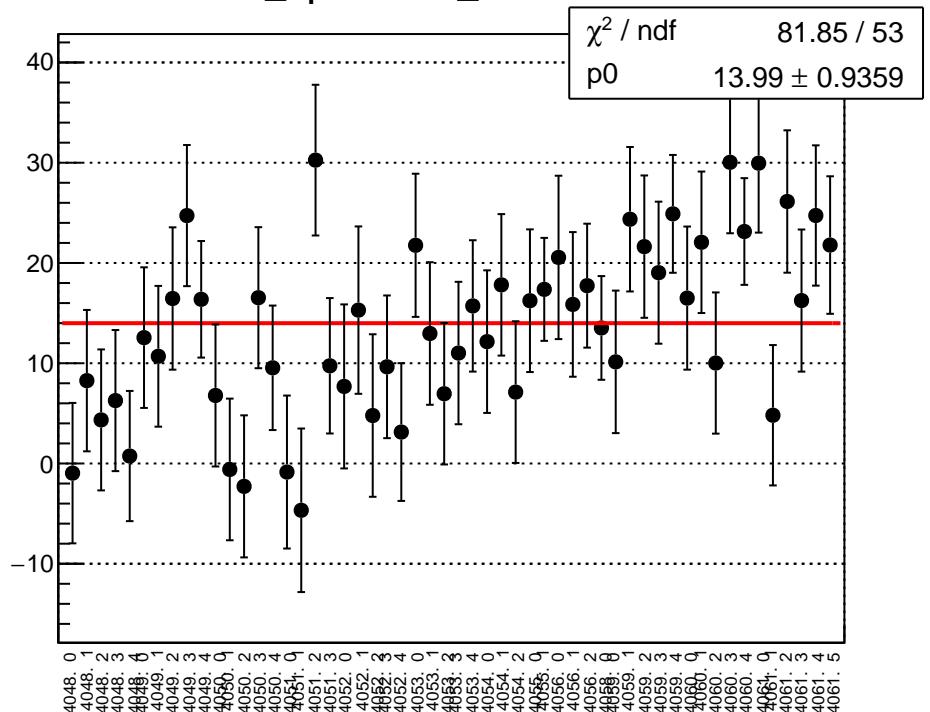
# diff\_bpm2i02Y\_mean vs run



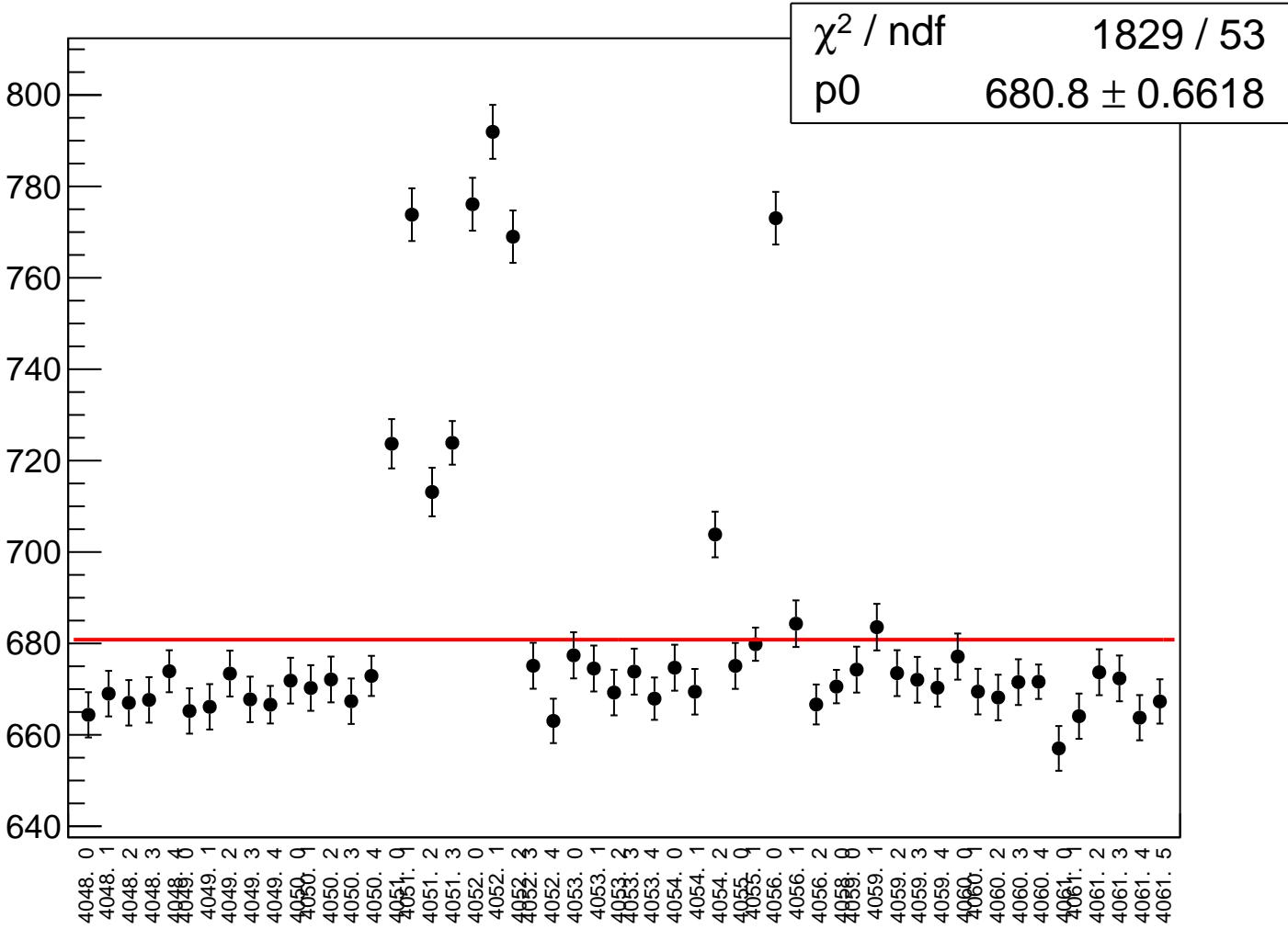
# diff\_bpm2i02Y\_rms vs run



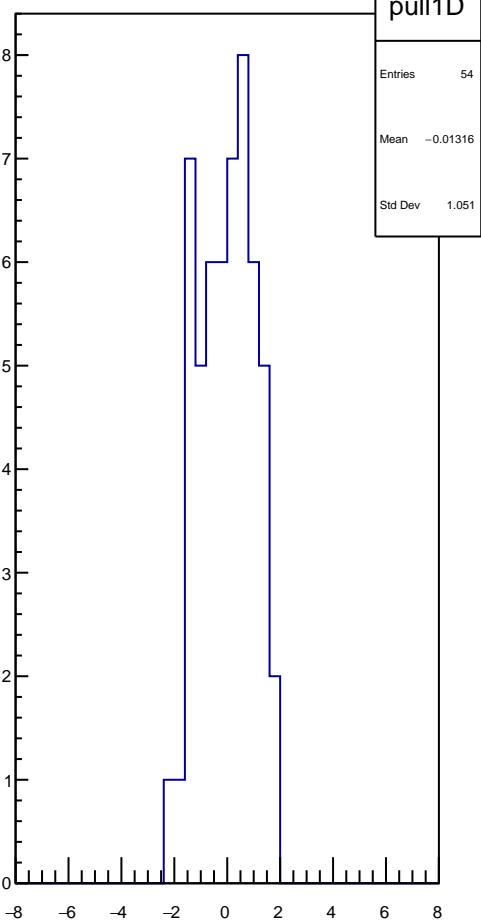
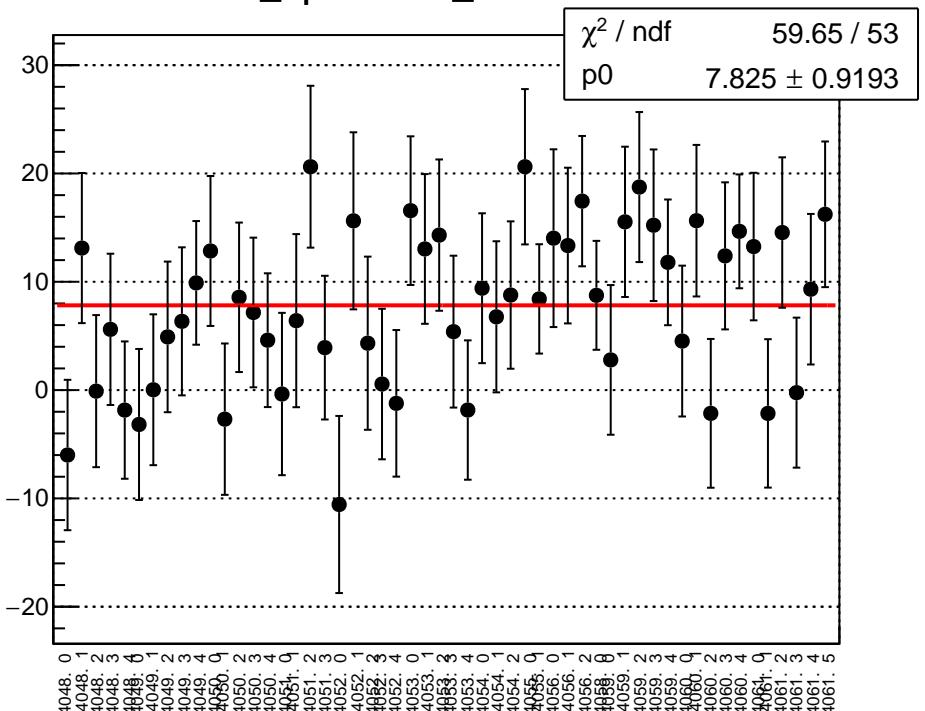
# diff\_bpm1i04X\_mean vs run



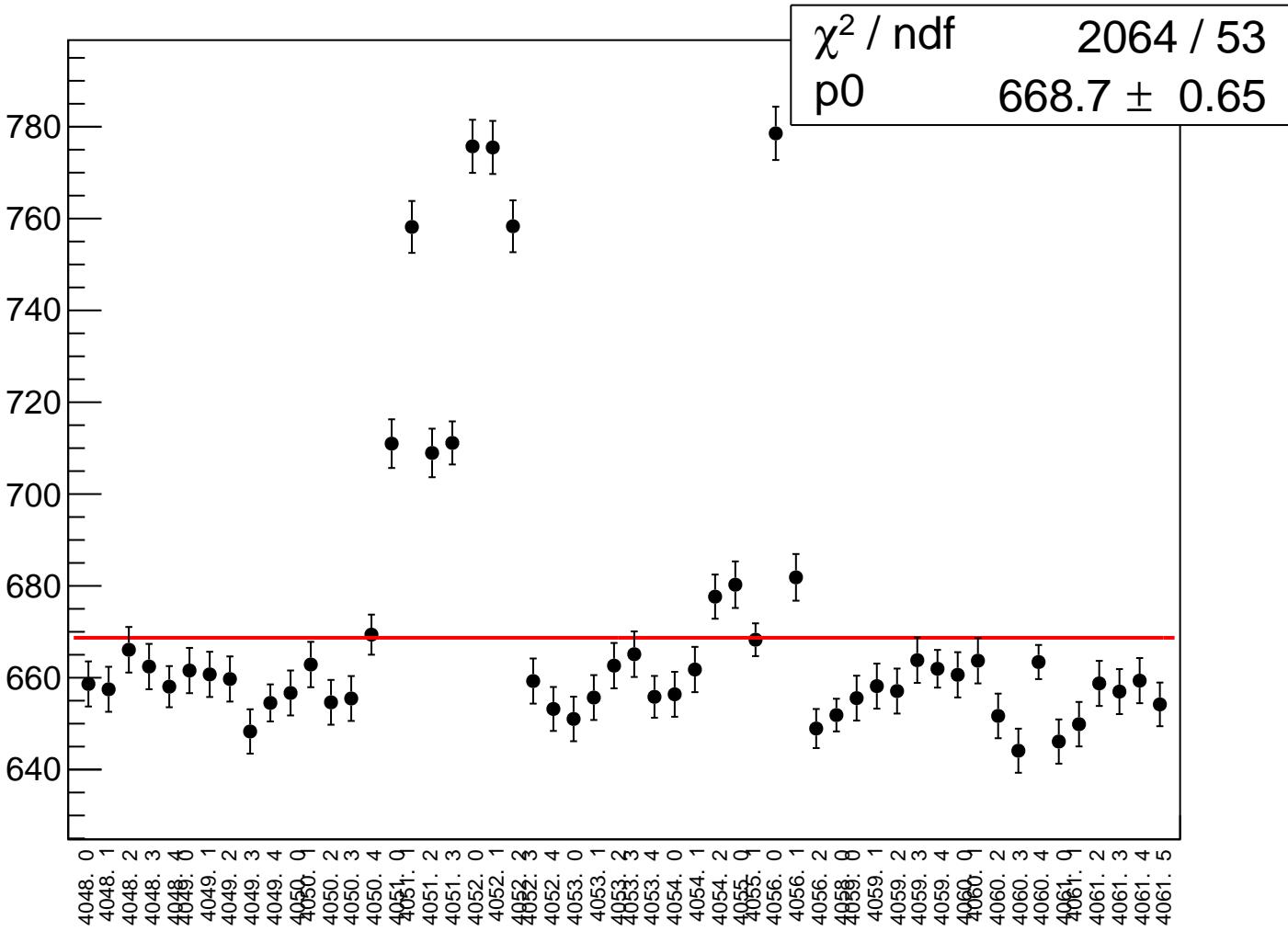
# diff\_bpm1i04X\_rms vs run



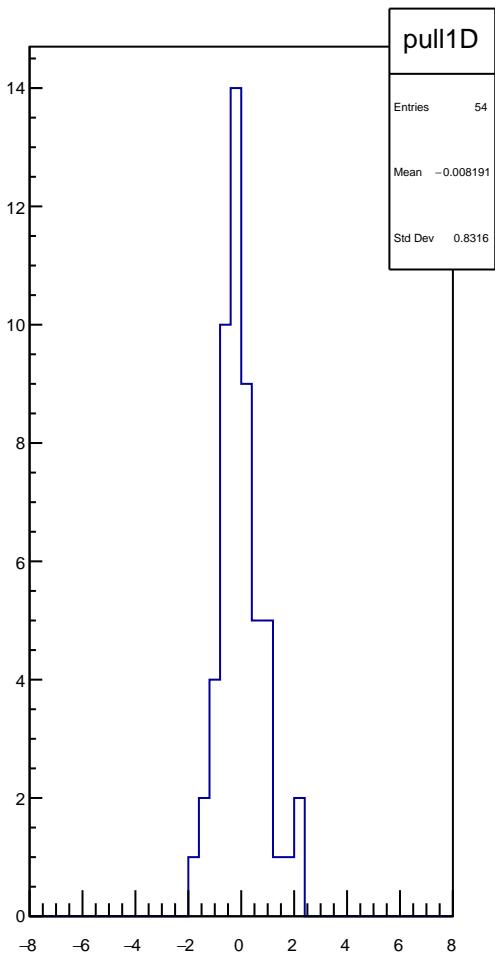
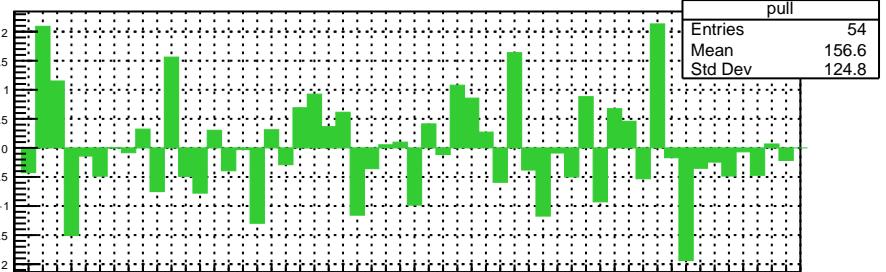
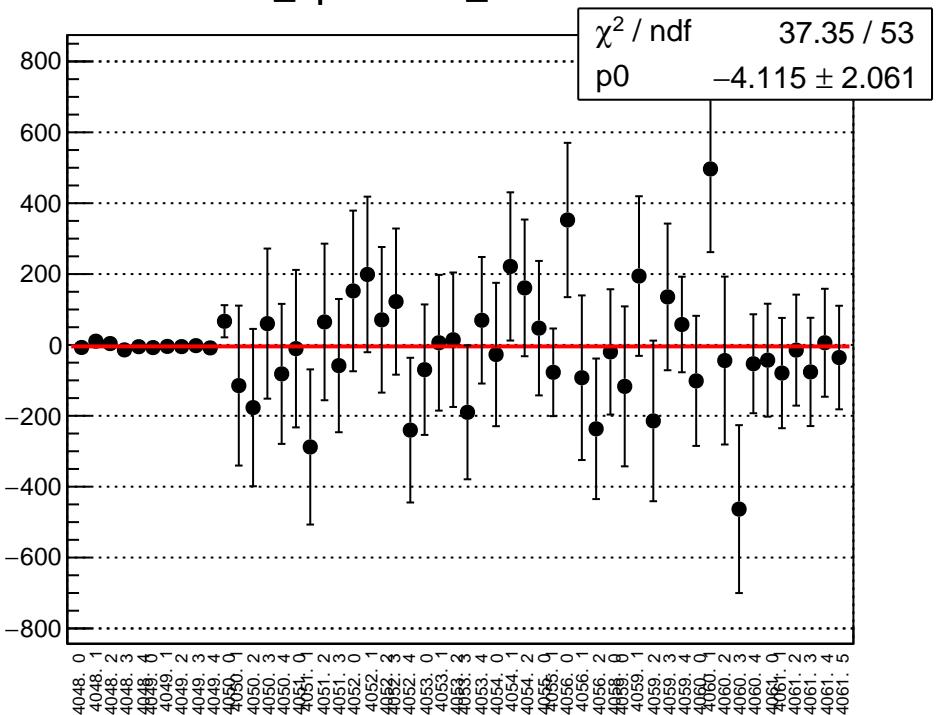
# diff\_bpm1i04Y\_mean vs run



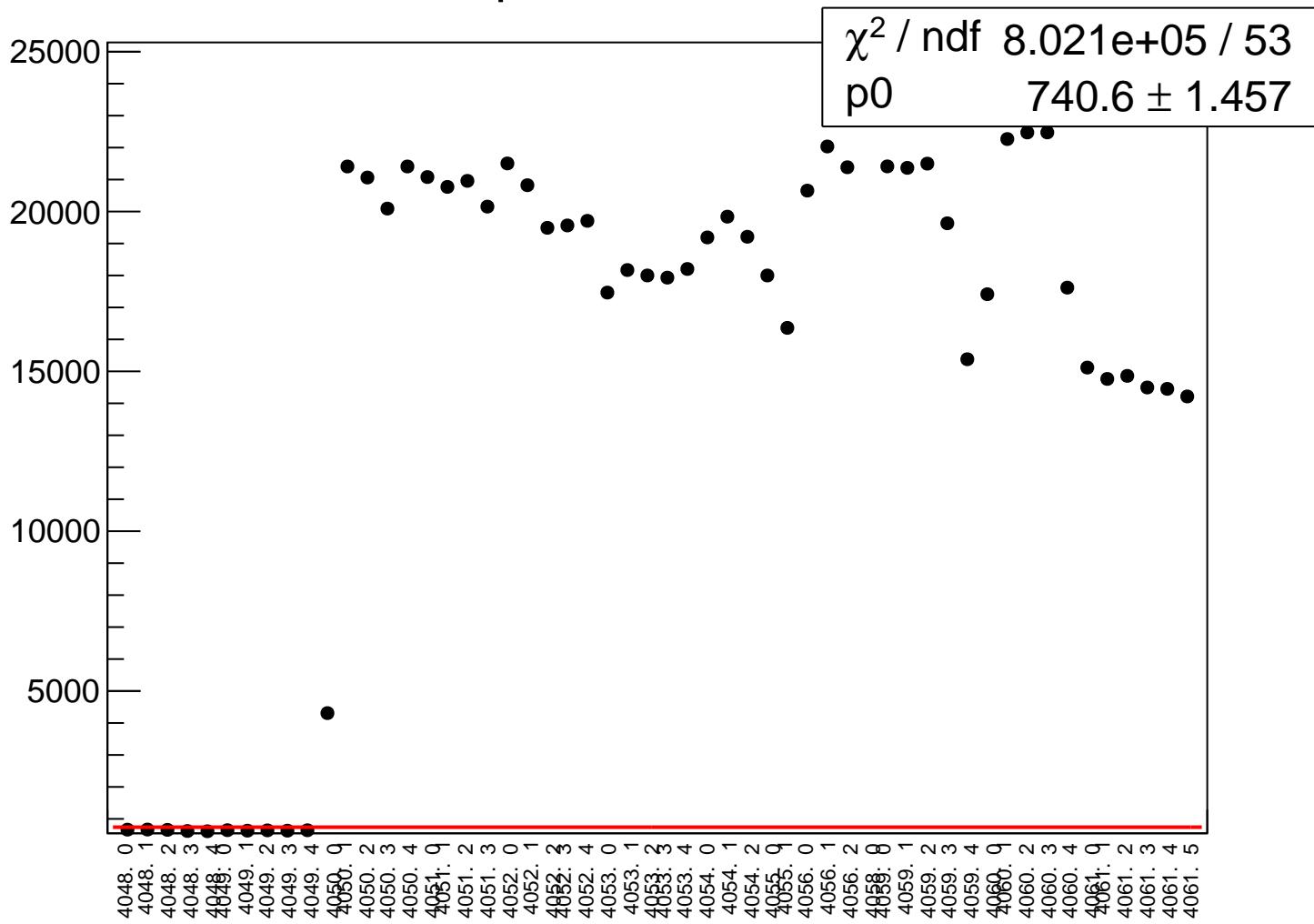
# diff\_bpm1i04Y\_rms vs run



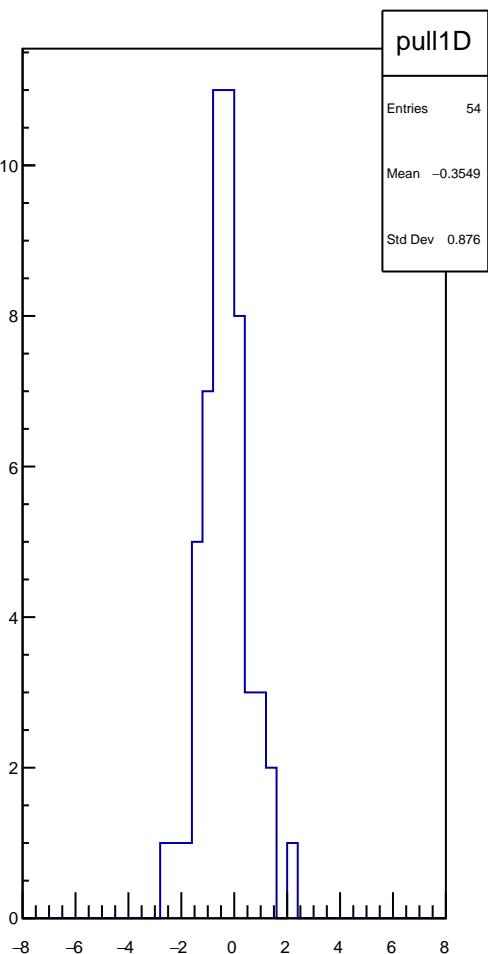
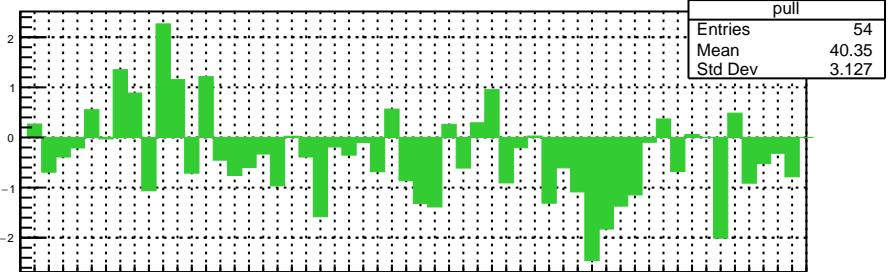
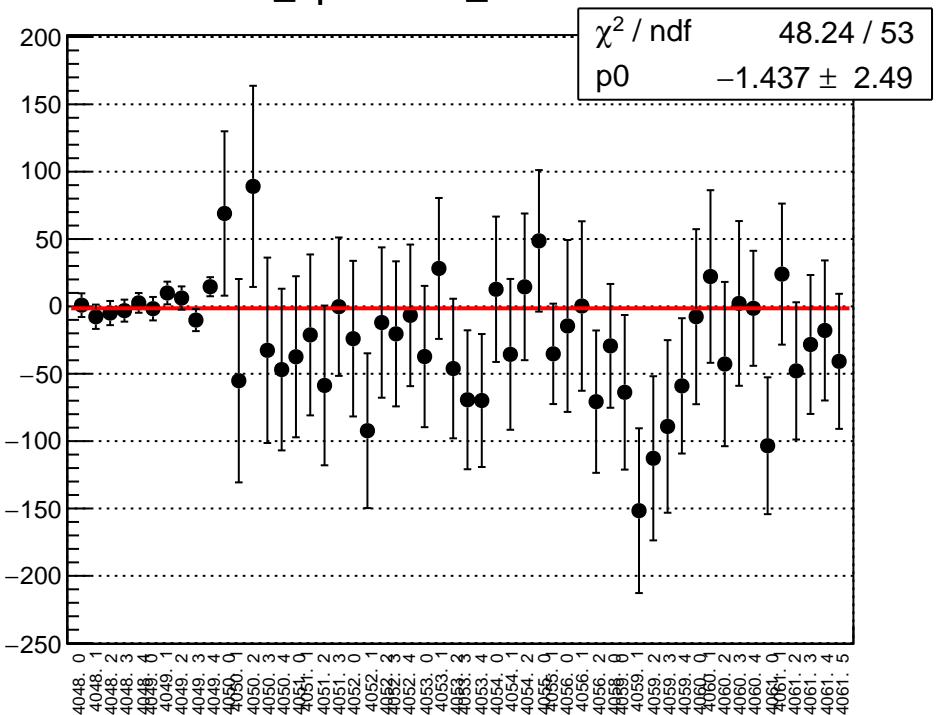
# diff\_bpm0l02X\_mean vs run



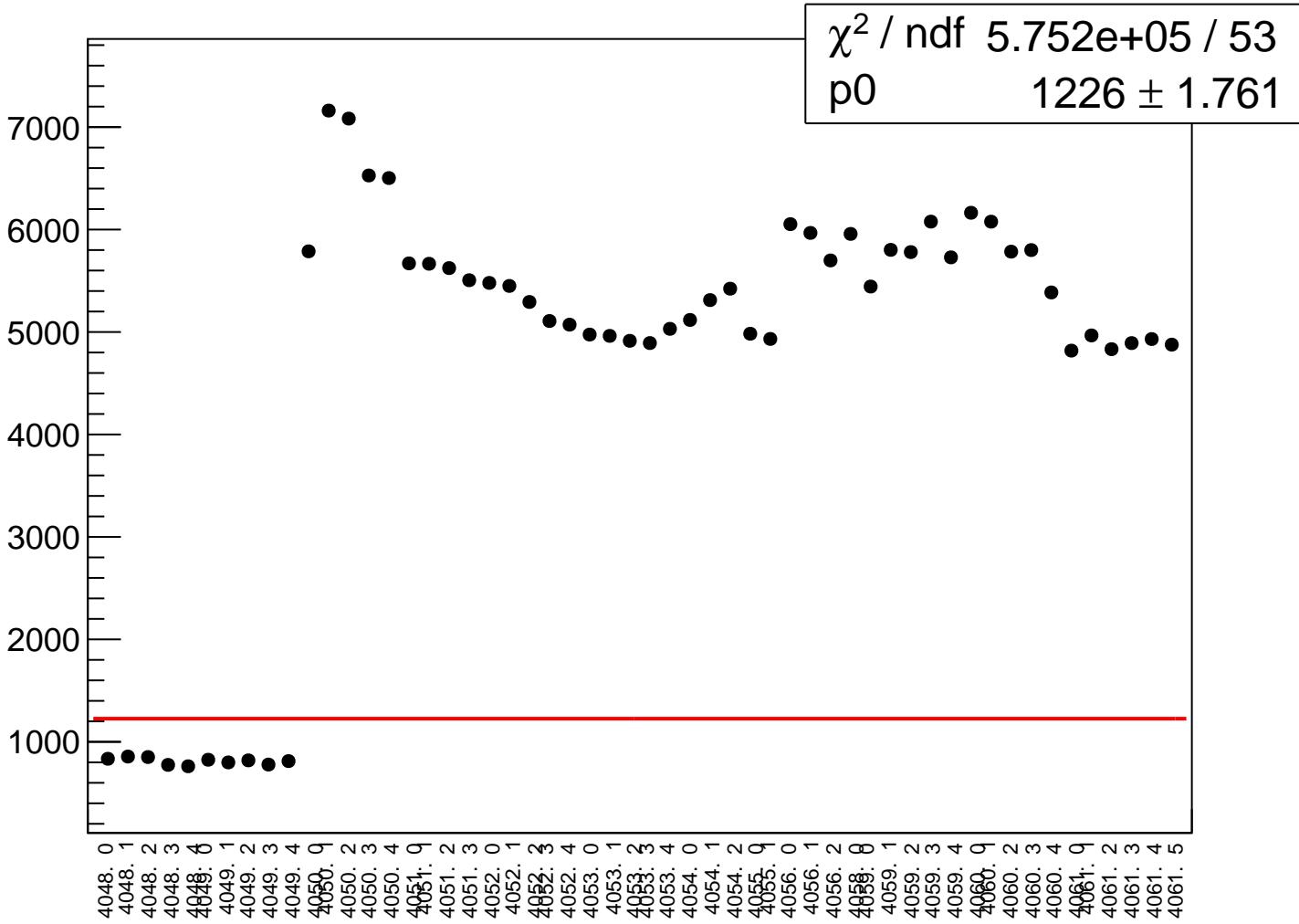
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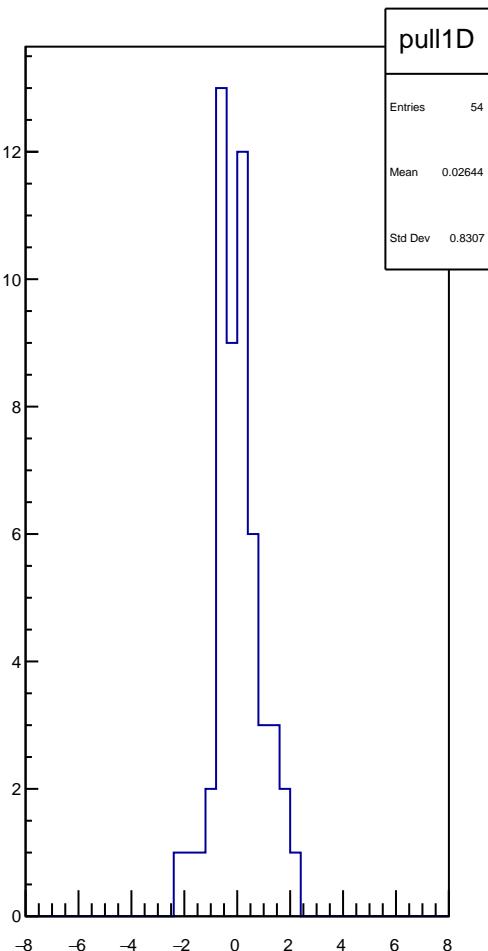
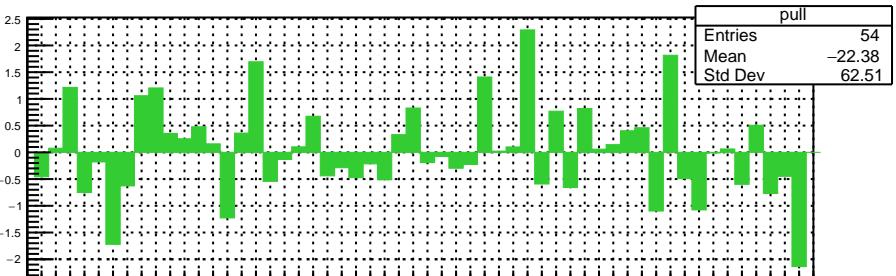
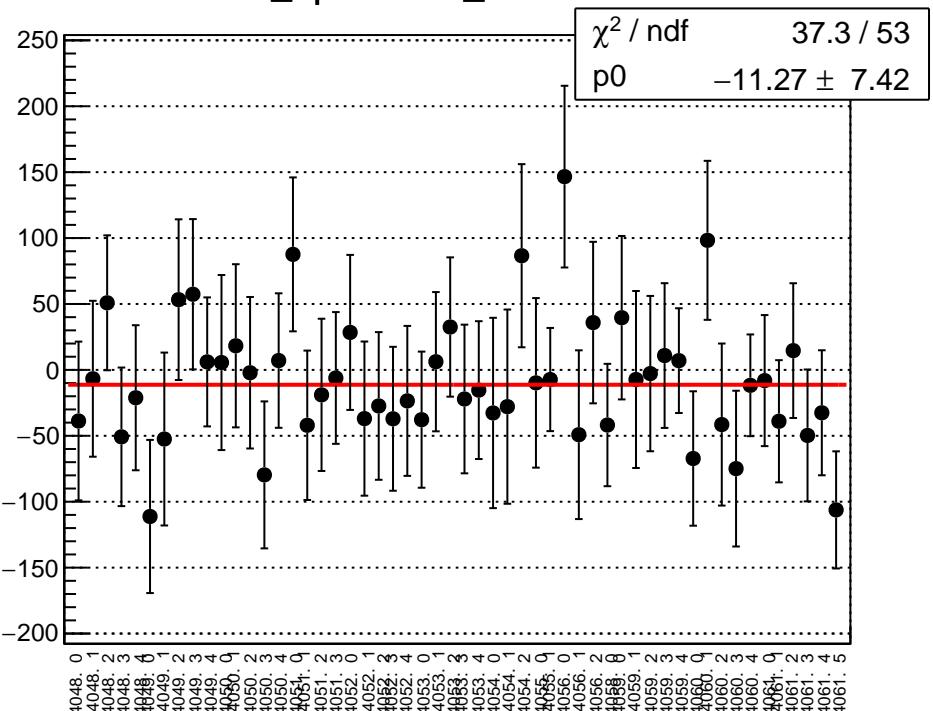
# diff\_bpm0l02Y\_mean vs run



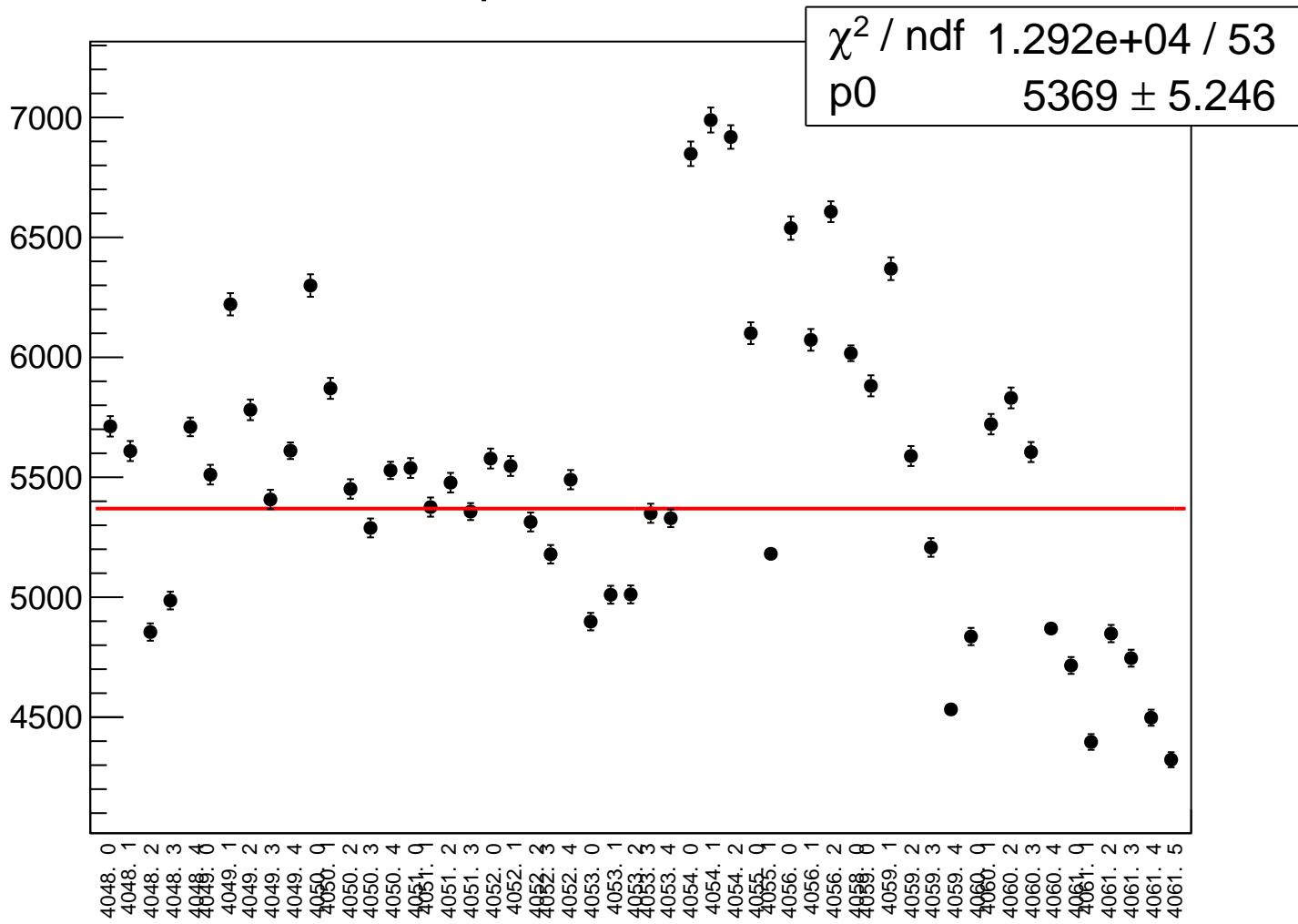
# diff\_bpm0I02Y\_rms vs run



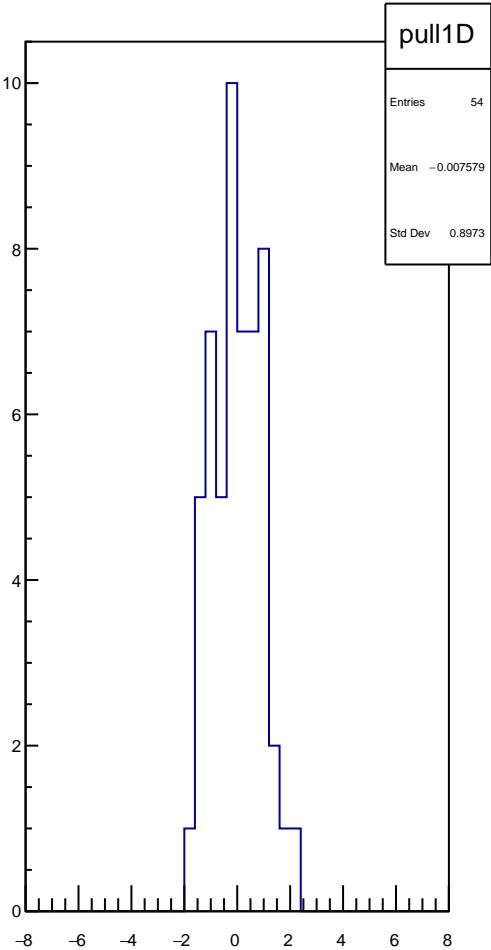
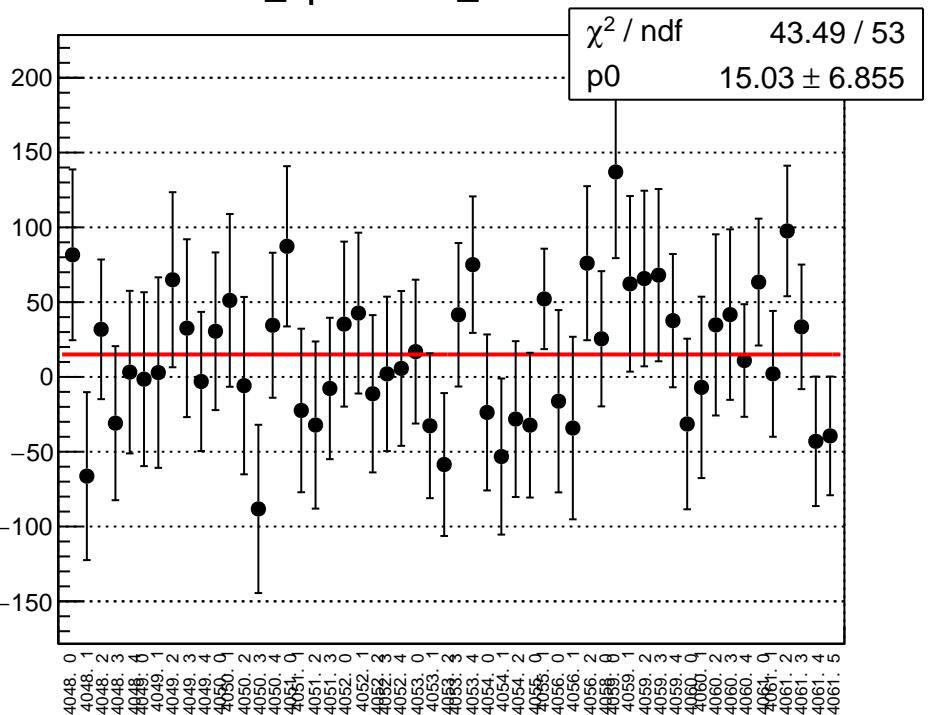
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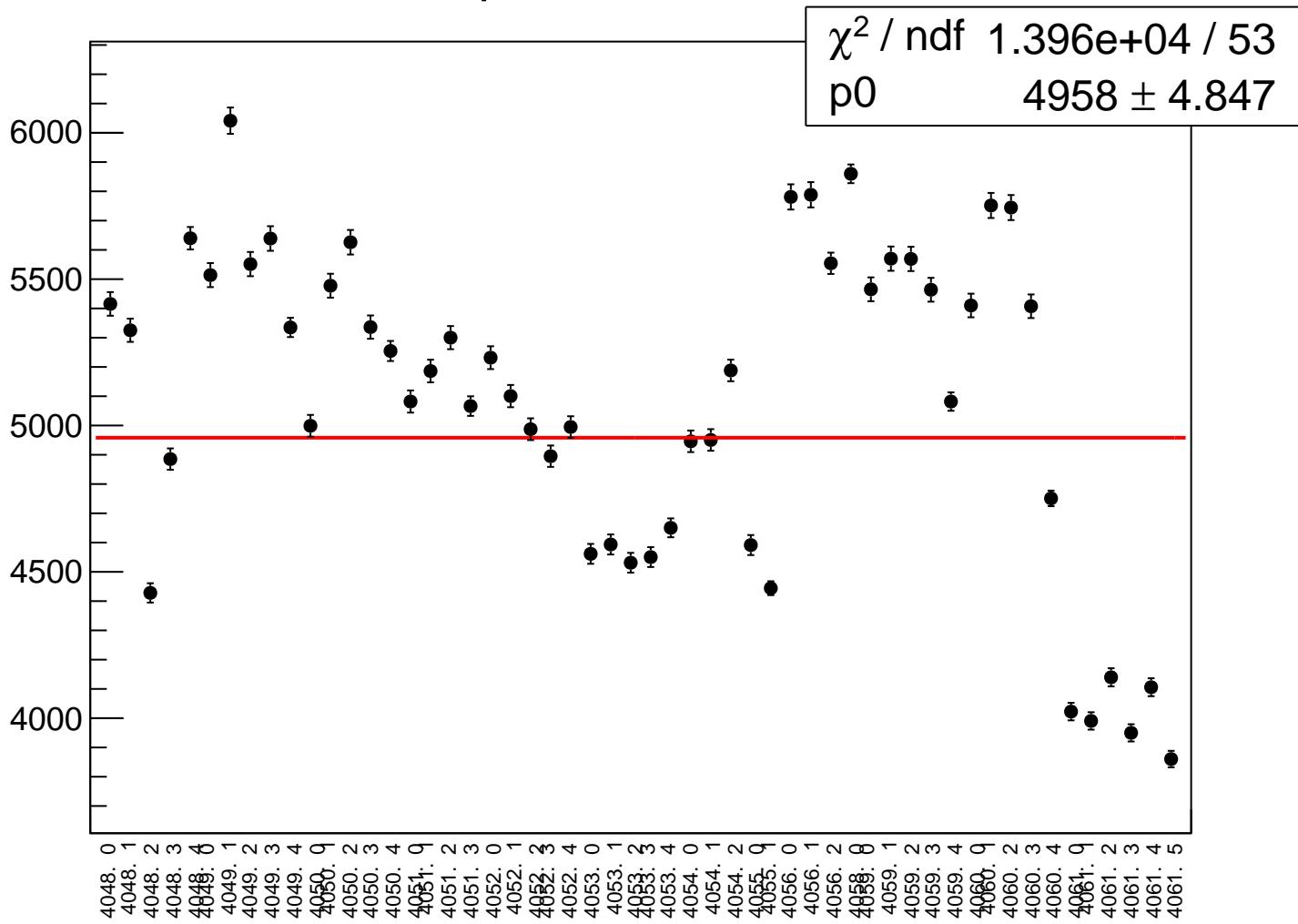
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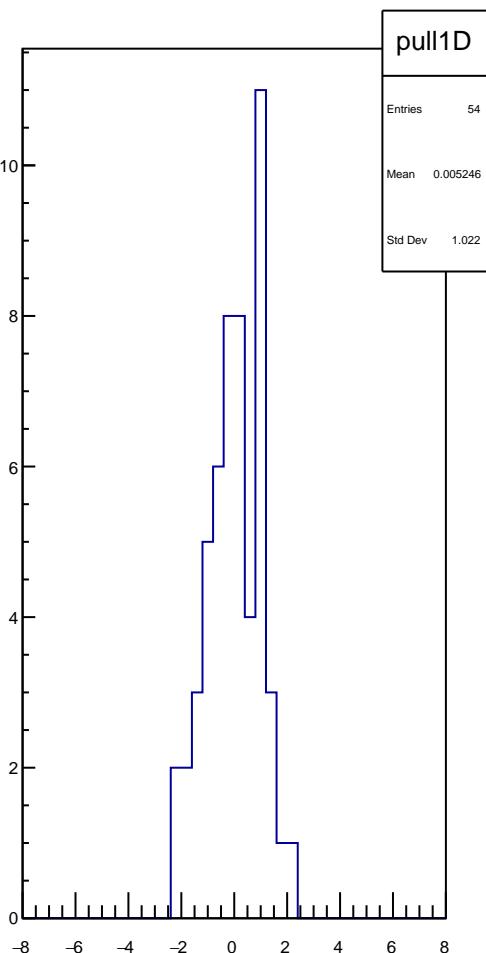
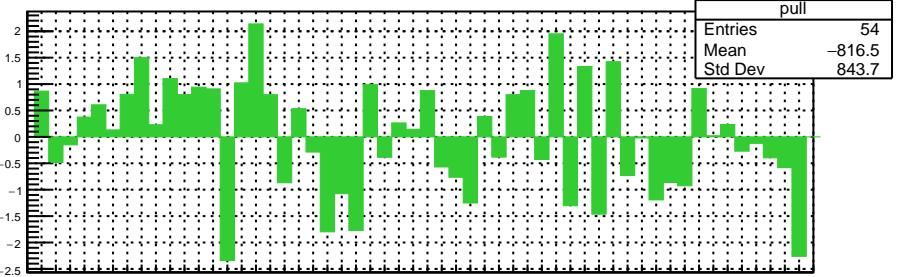
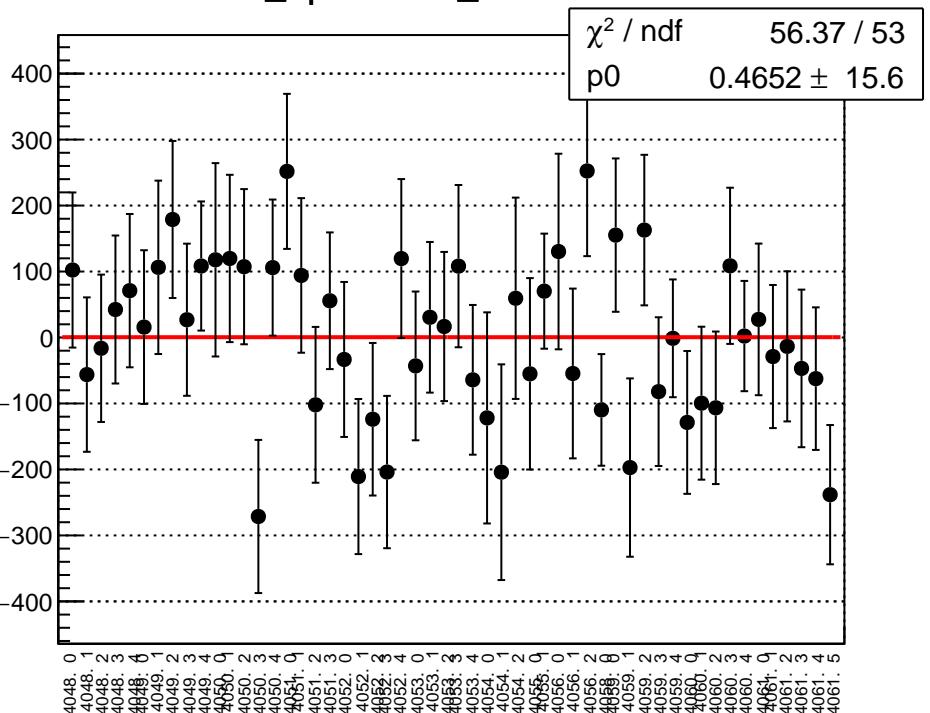
# diff\_bpm0l03Y\_mean vs run



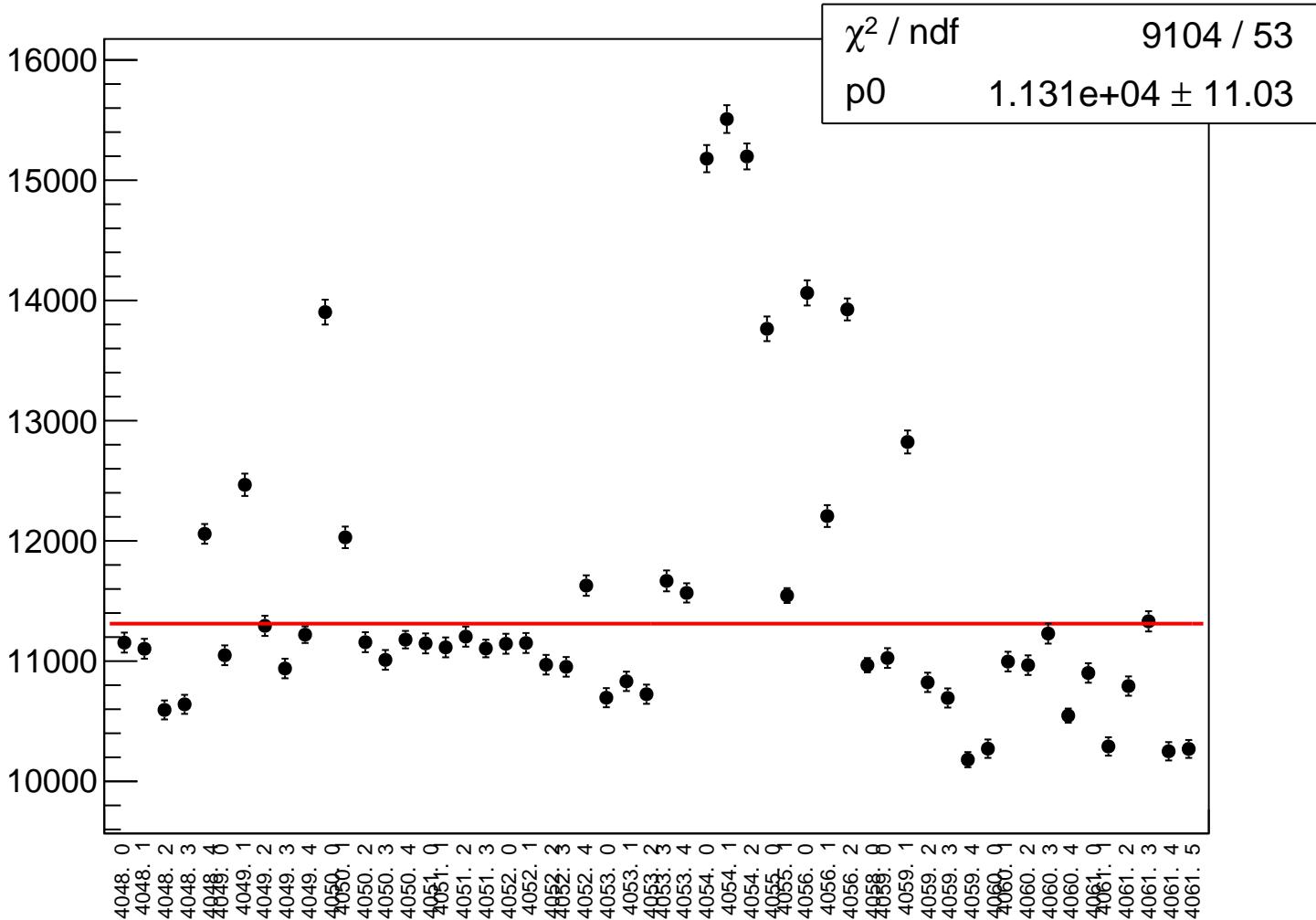
# diff\_bpm0I03Y\_rms vs run



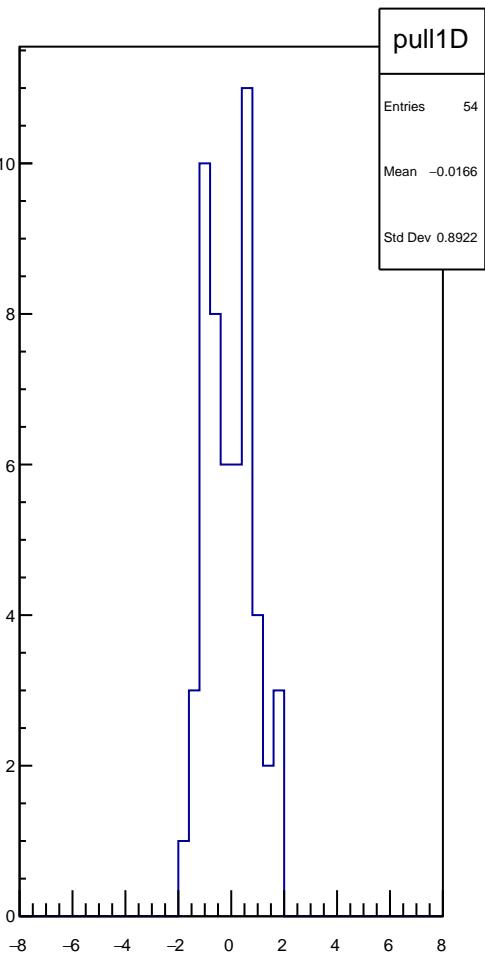
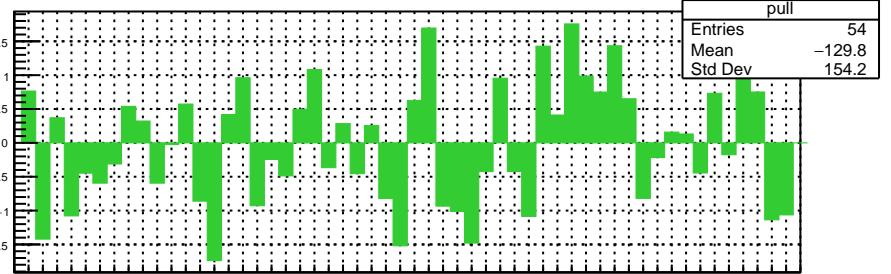
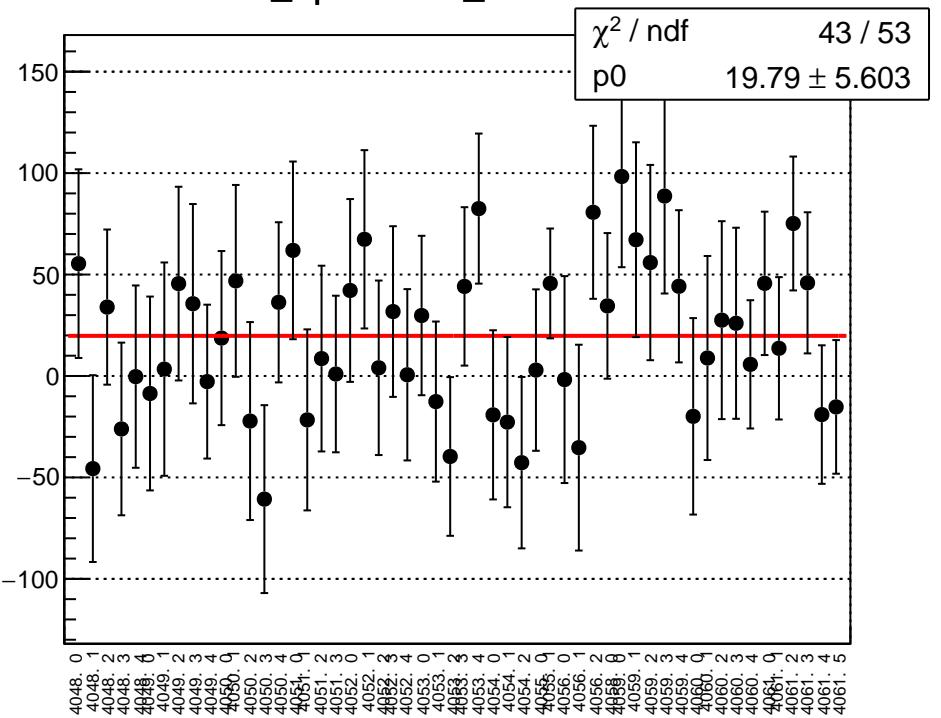
# diff\_bpm0l04X\_mean vs run



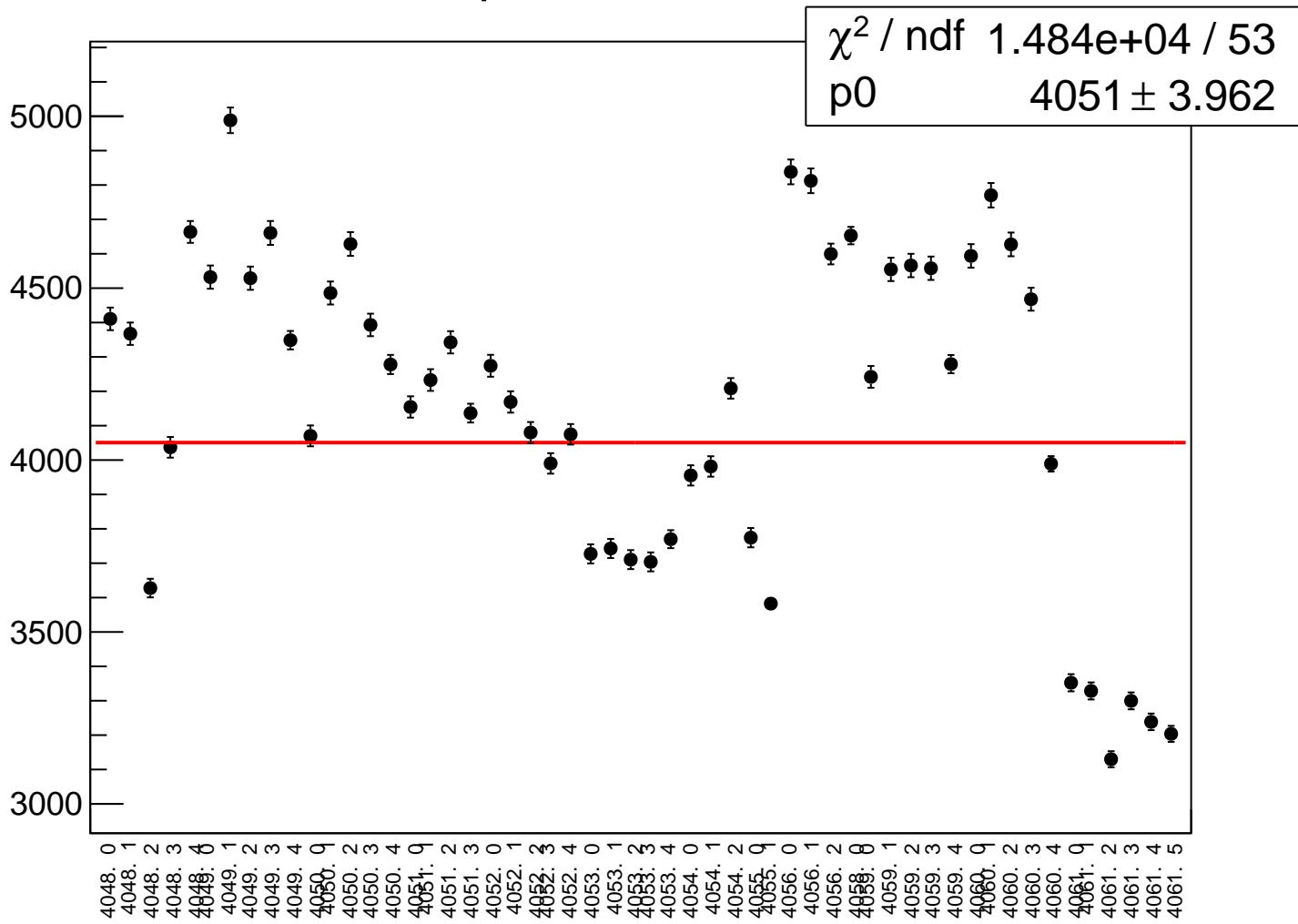
# diff\_bpm0I04X\_rms vs run



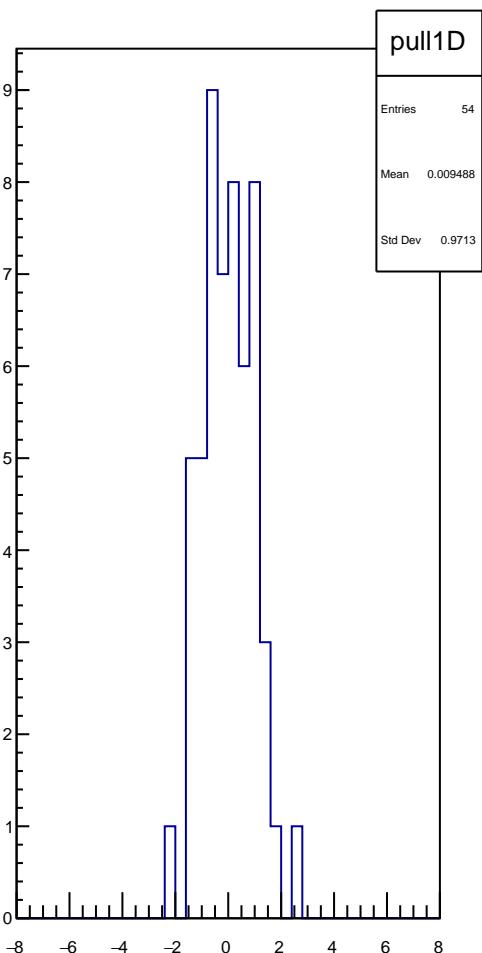
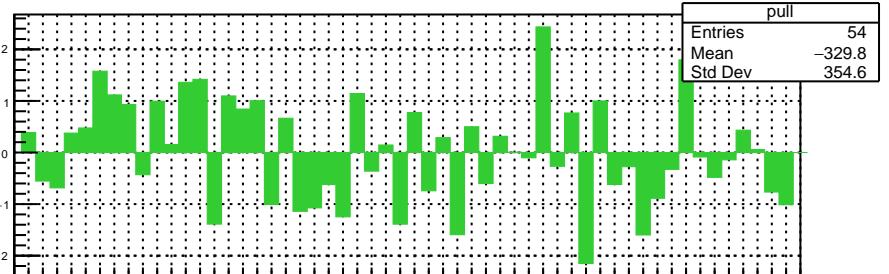
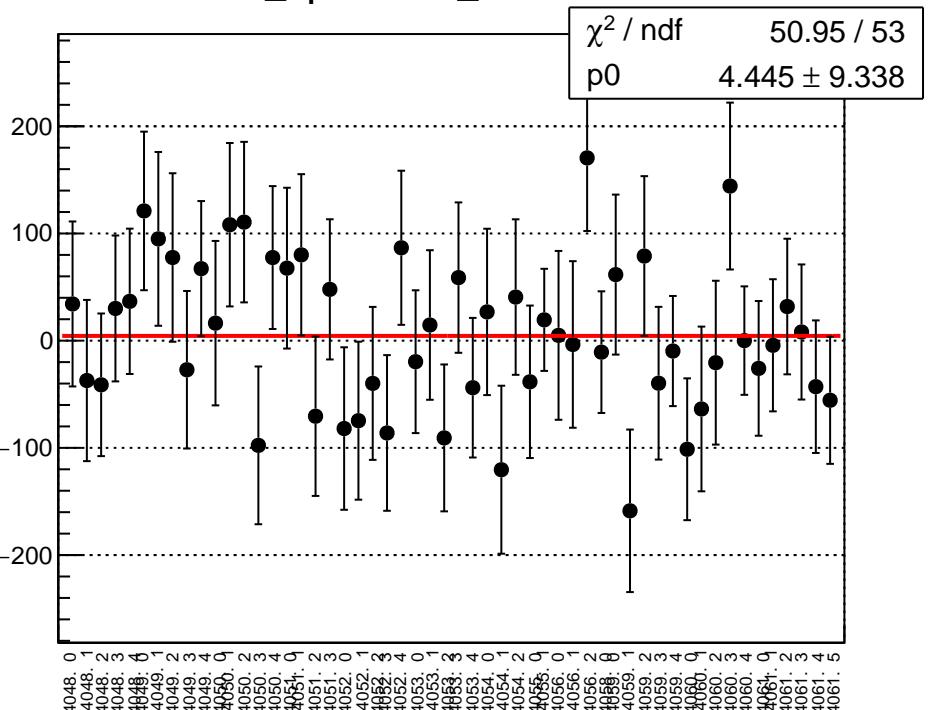
# diff\_bpm0l04Y\_mean vs run



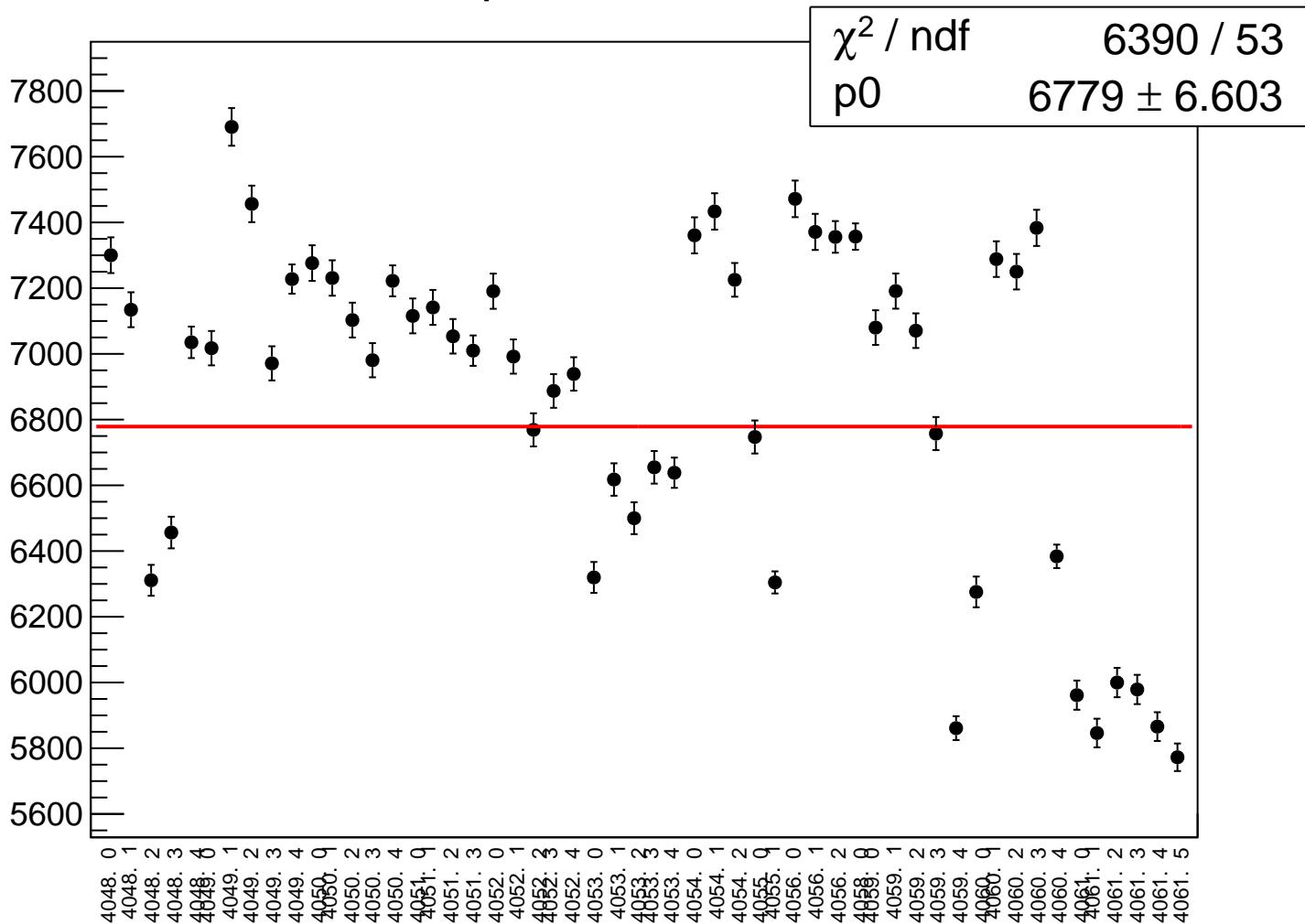
# diff\_bpm0I04Y\_rms vs run



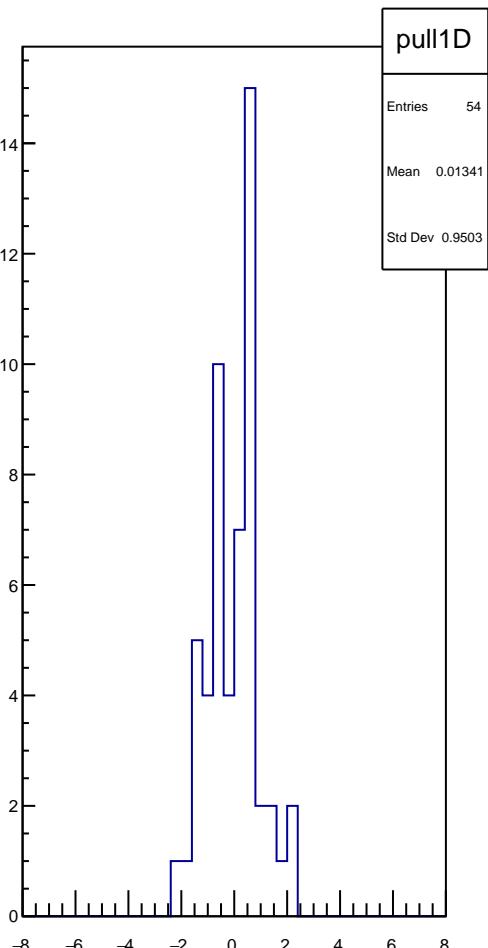
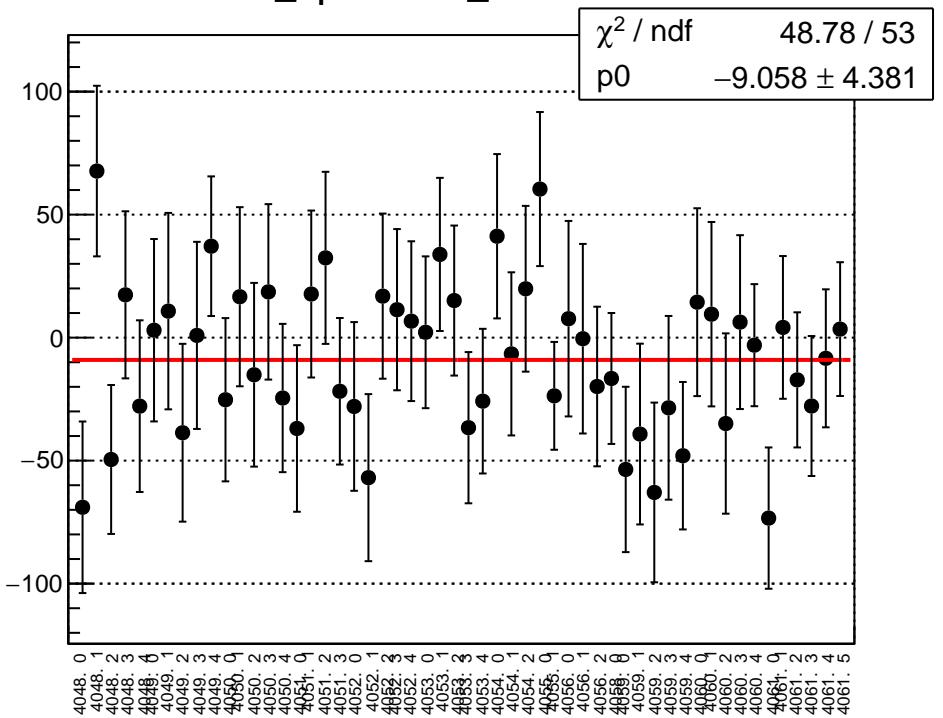
# diff\_bpm0l05X\_mean vs run



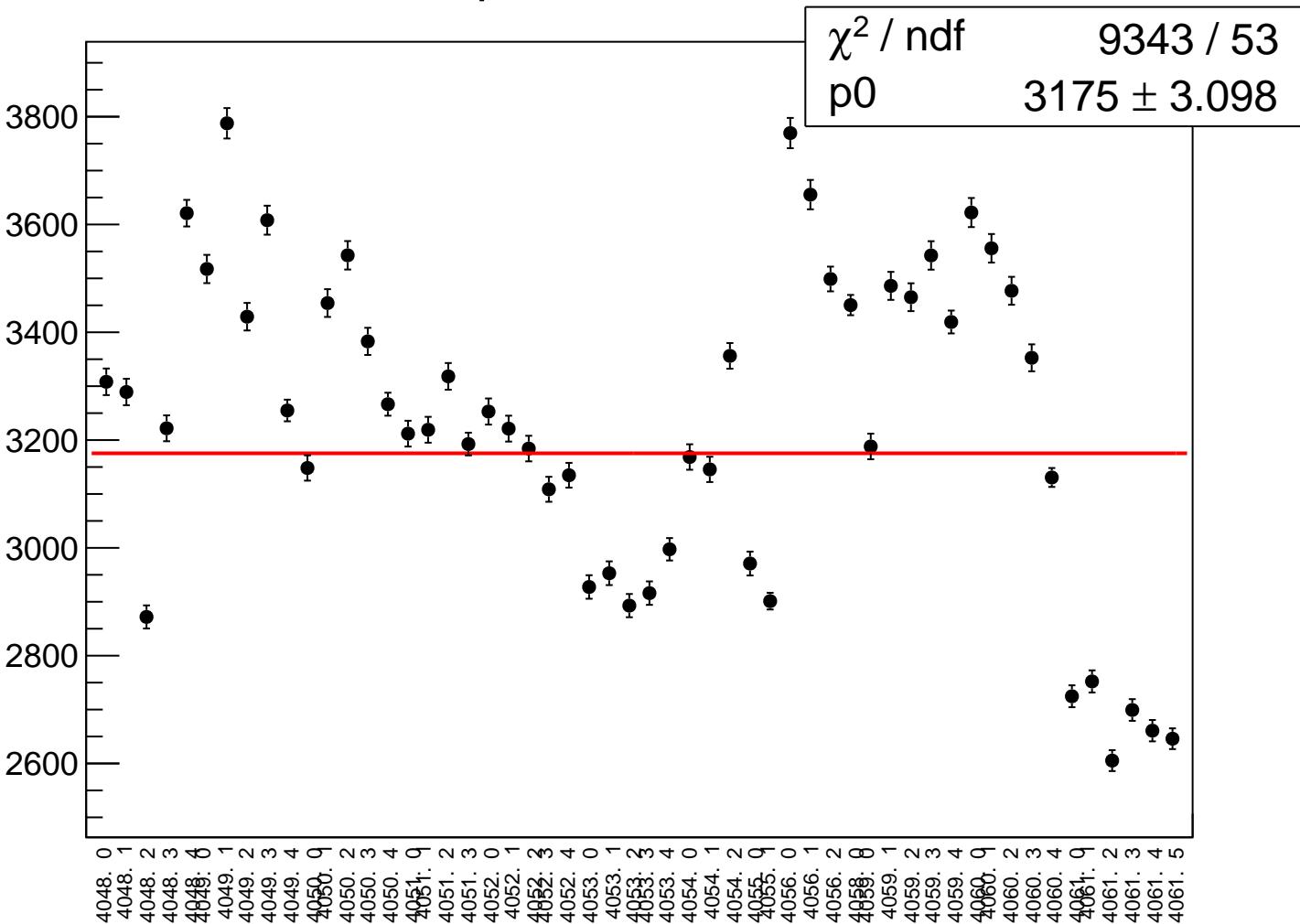
# diff\_bpm0I05X\_rms vs run



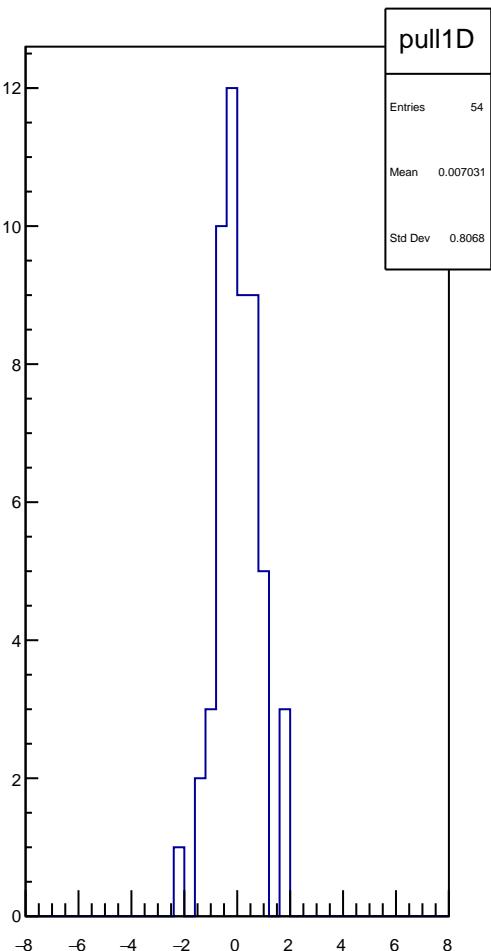
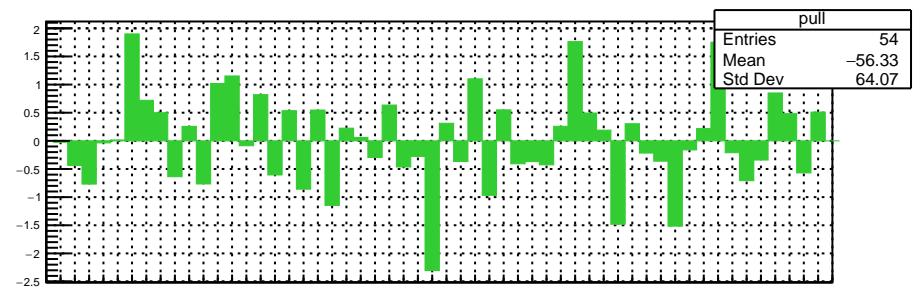
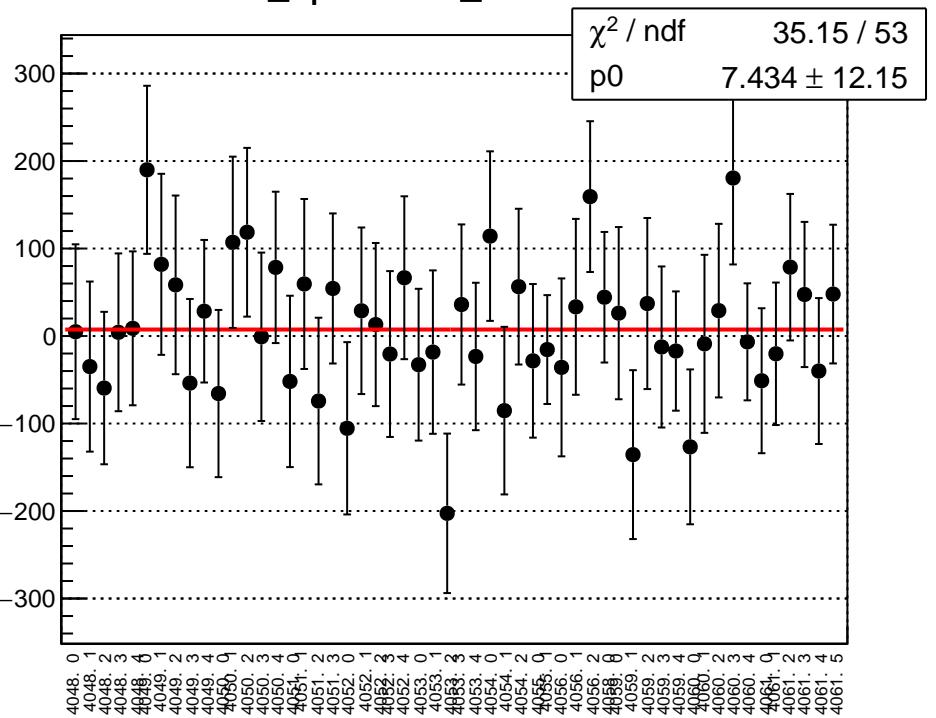
# diff\_bpm0l05Y\_mean vs run



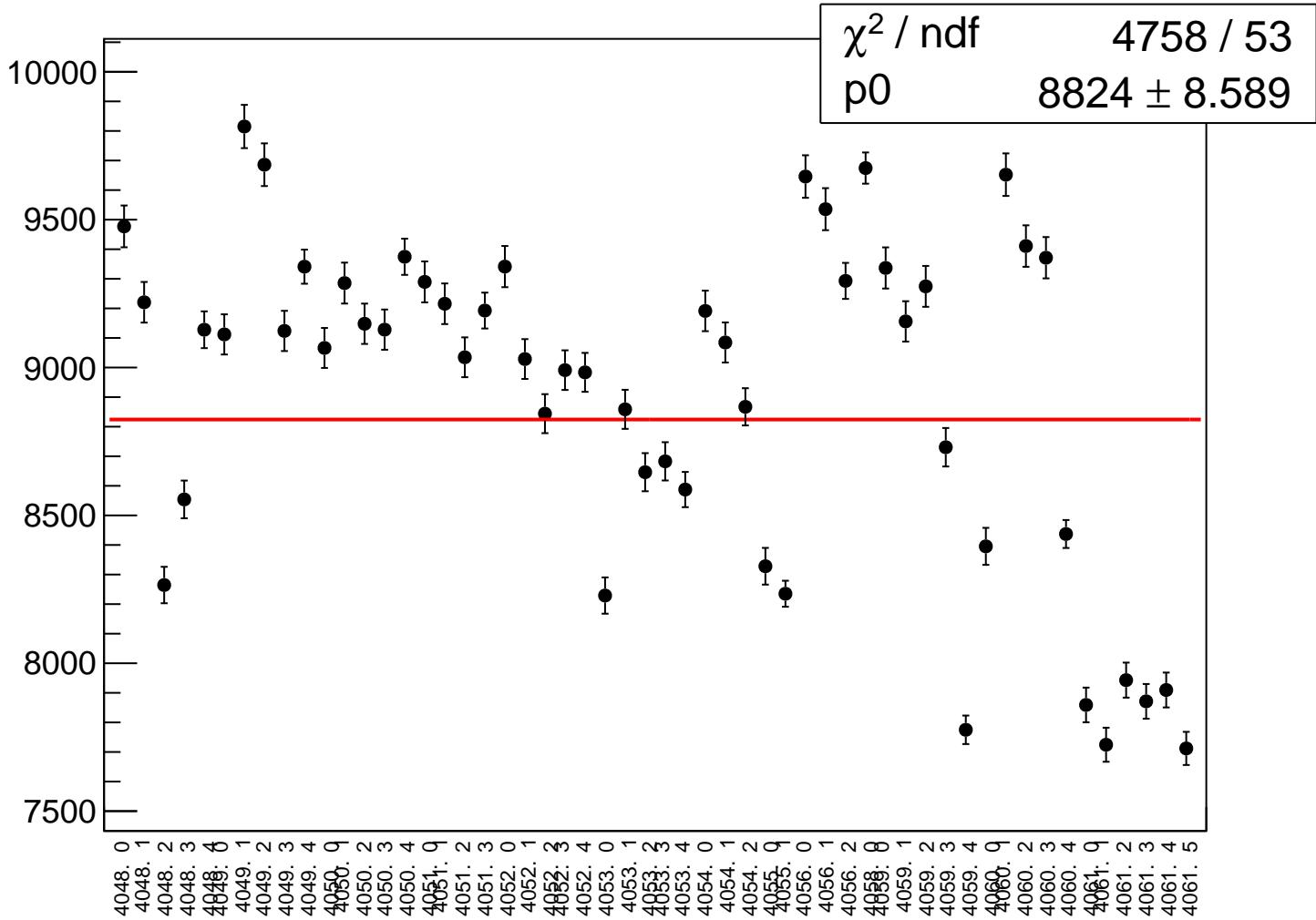
# diff\_bpm0I05Y\_rms vs run



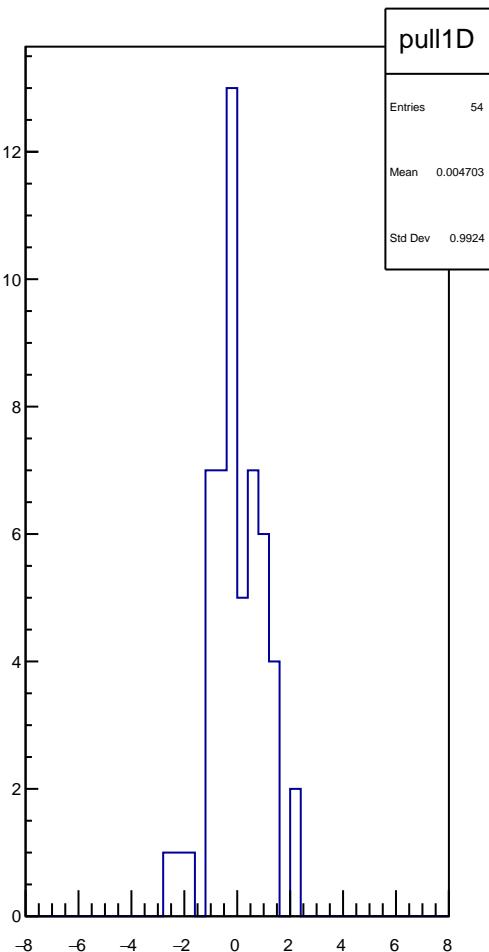
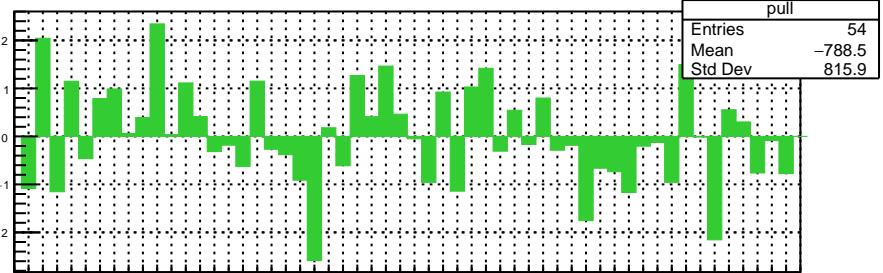
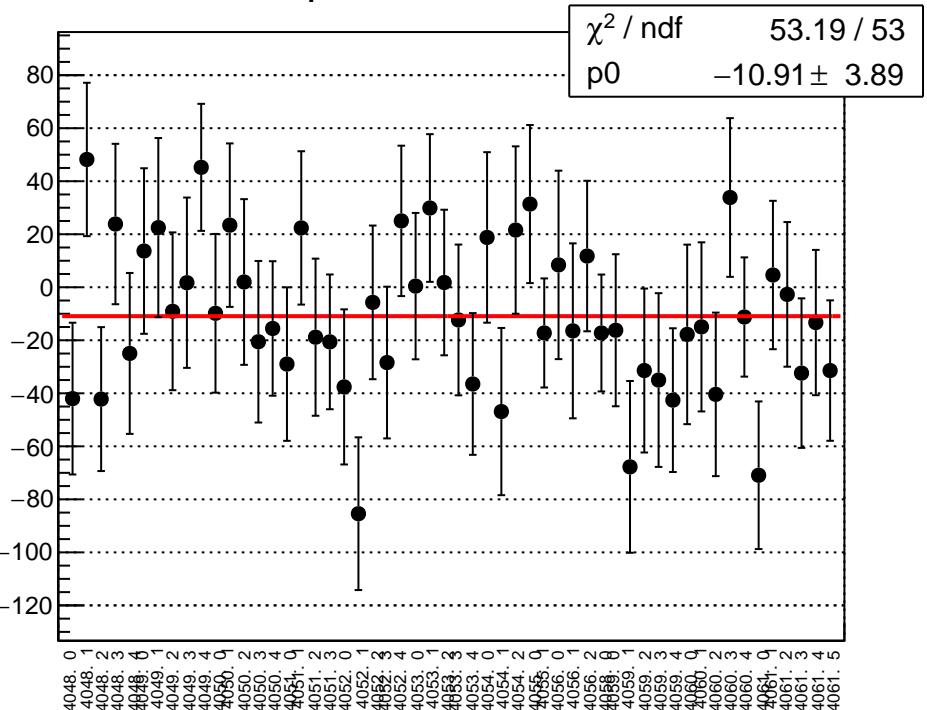
# diff\_bpm0l06X\_mean vs run



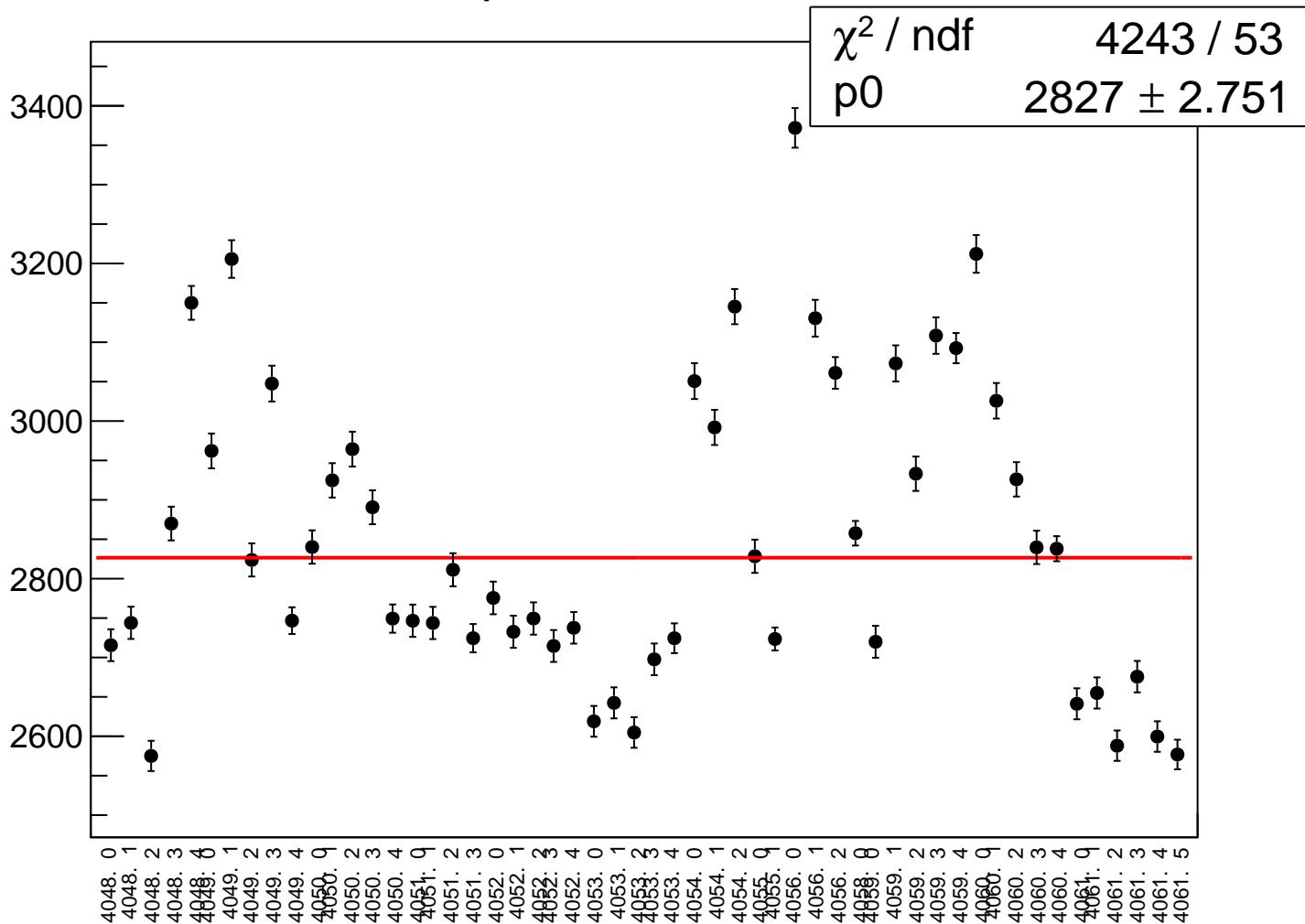
# diff\_bpmon06X\_rms vs run



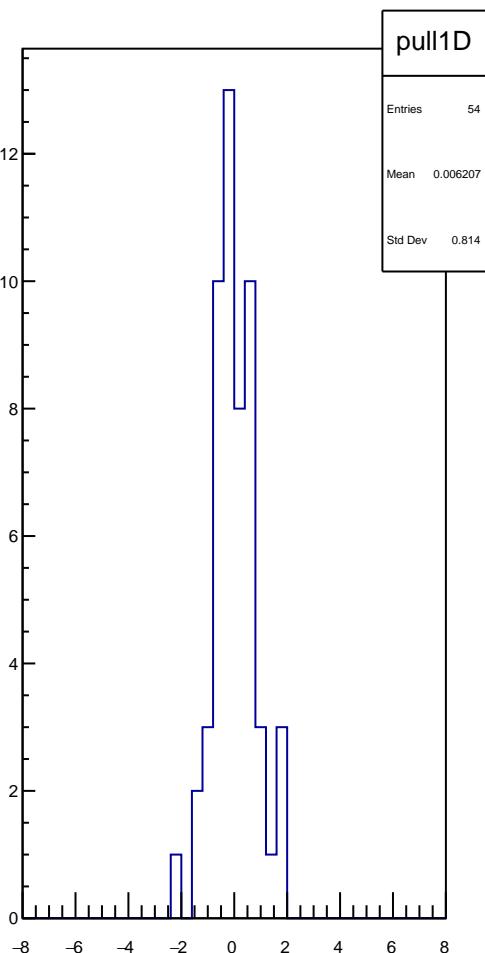
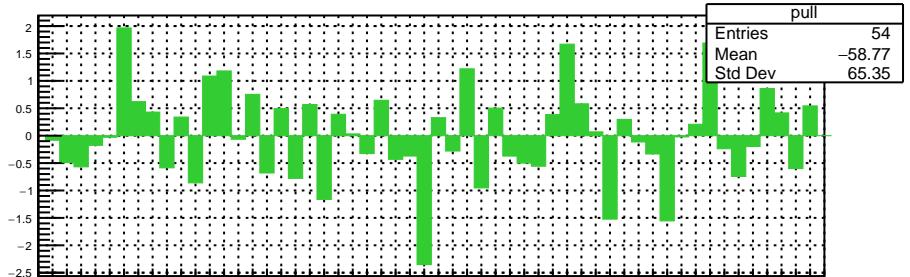
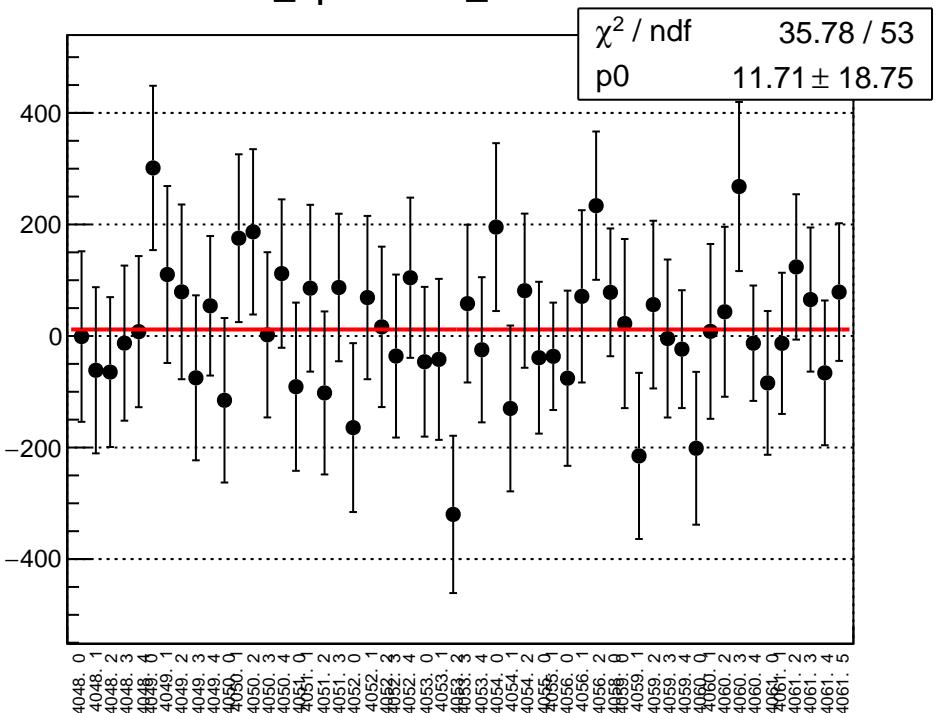
# diff\_bpm0l06Y\_mean vs run



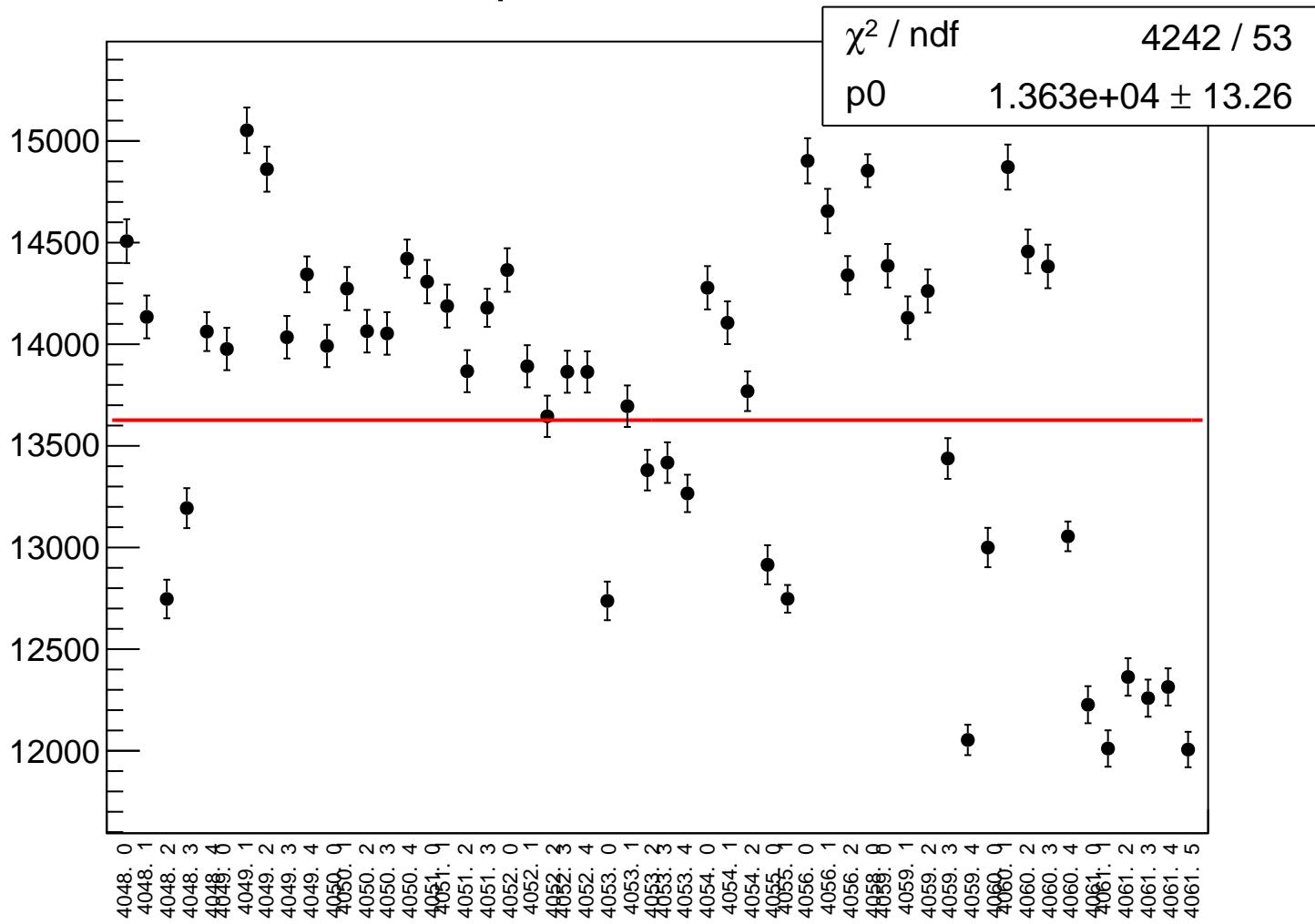
# diff\_bpmon06Y\_rms vs run



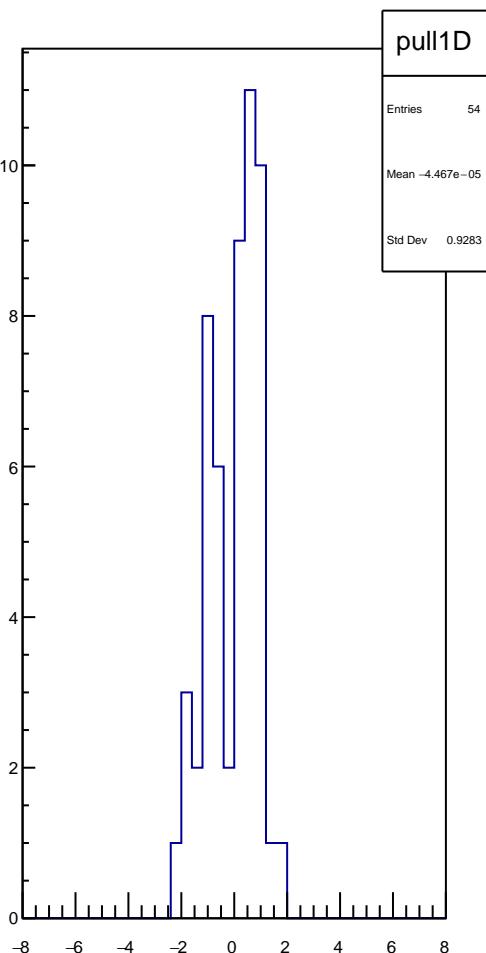
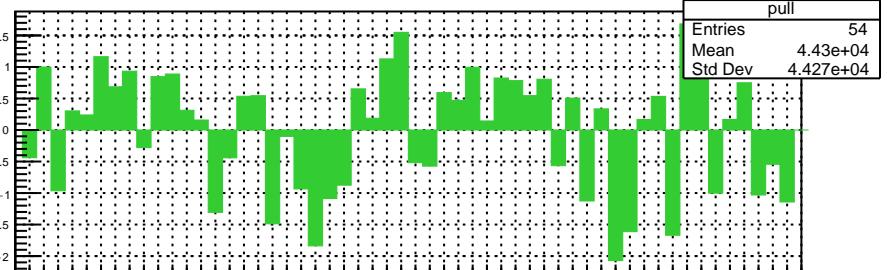
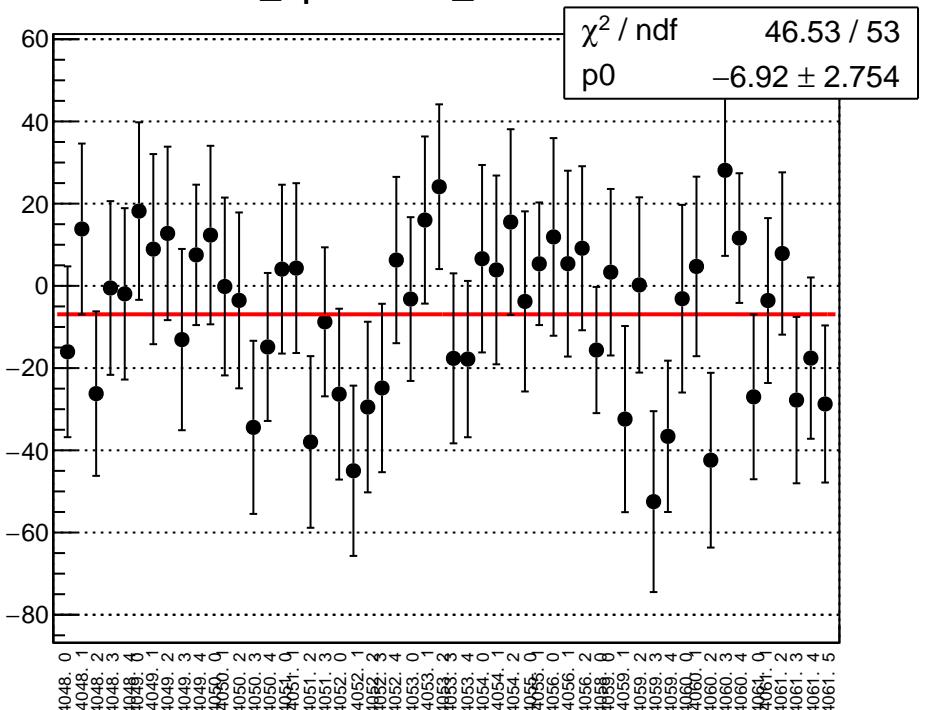
# diff\_bpm0l07X\_mean vs run



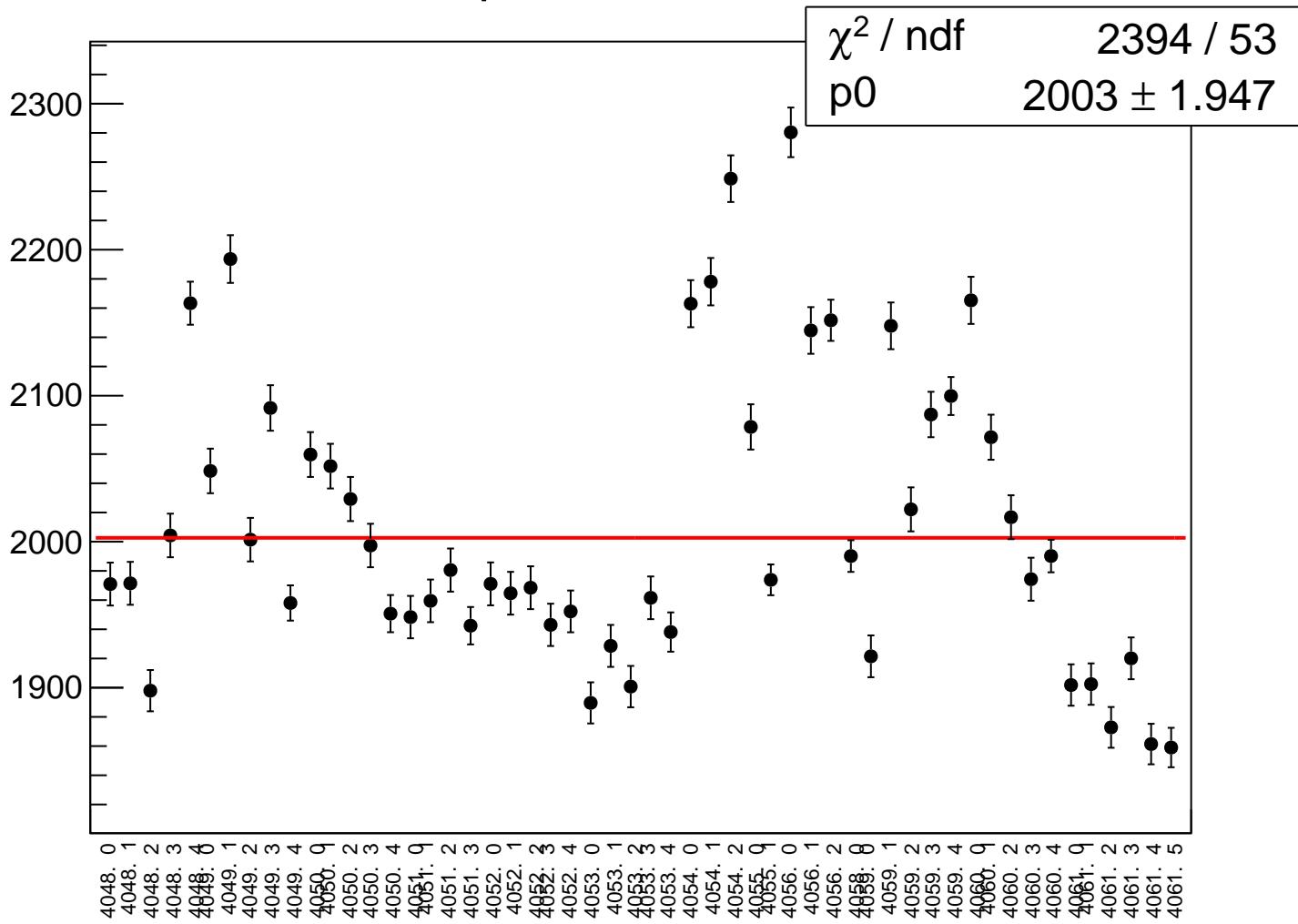
# diff\_bpm0I07X\_rms vs run



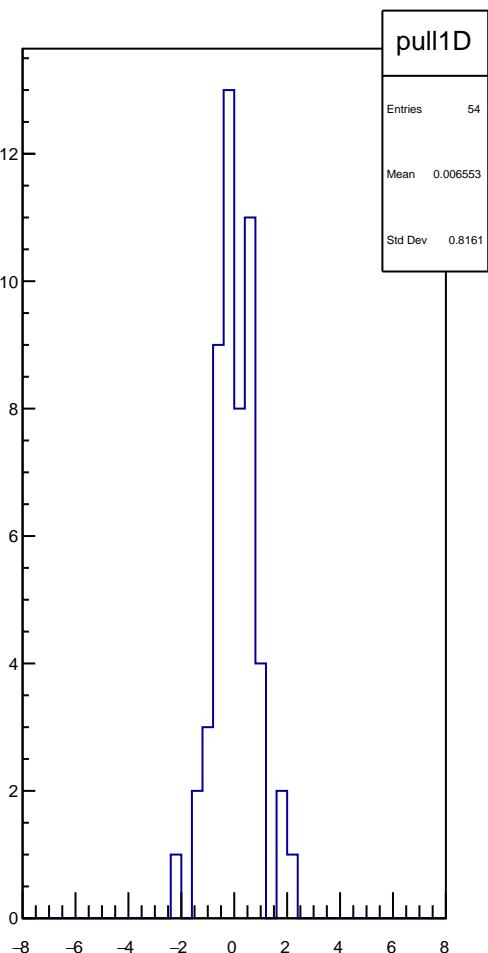
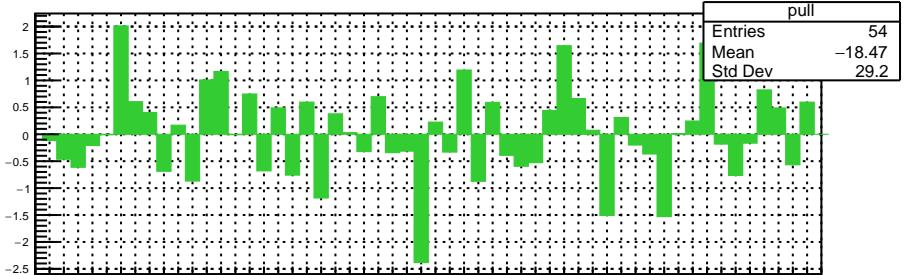
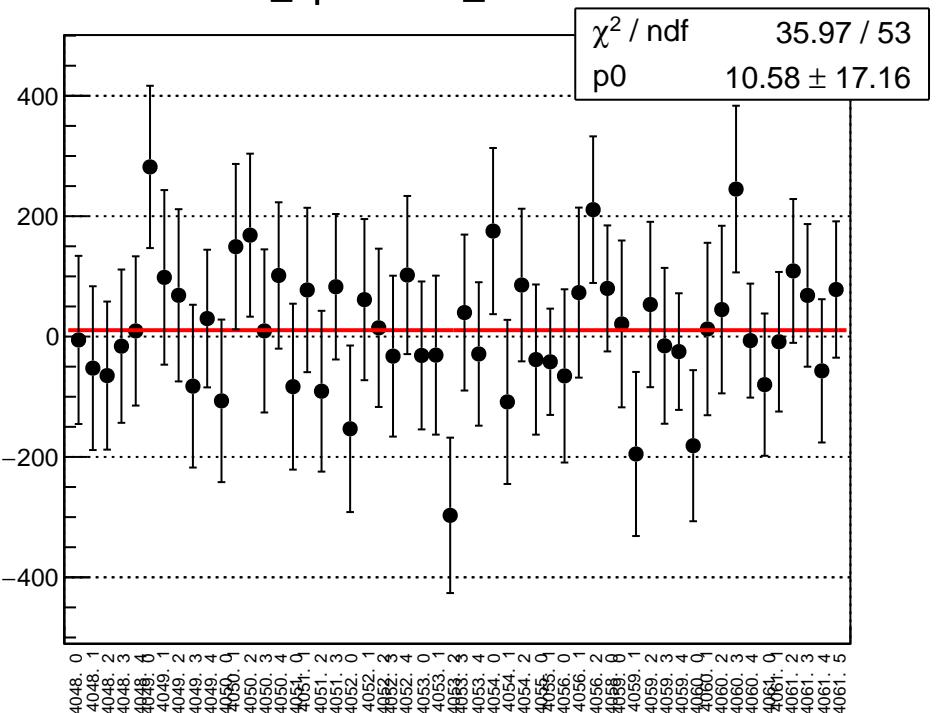
# diff\_bpm0l07Y\_mean vs run



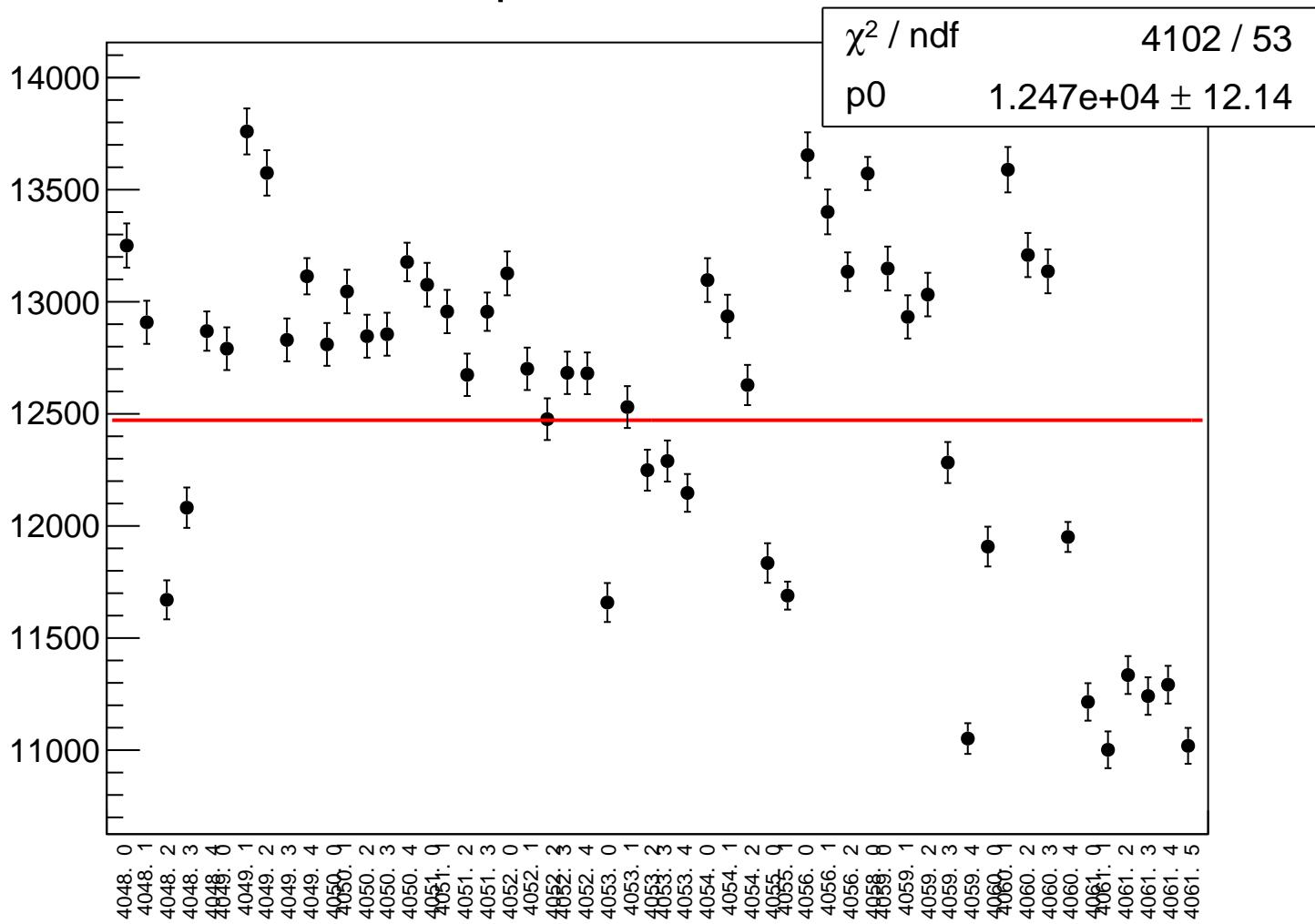
# diff\_bpm0I07Y\_rms vs run



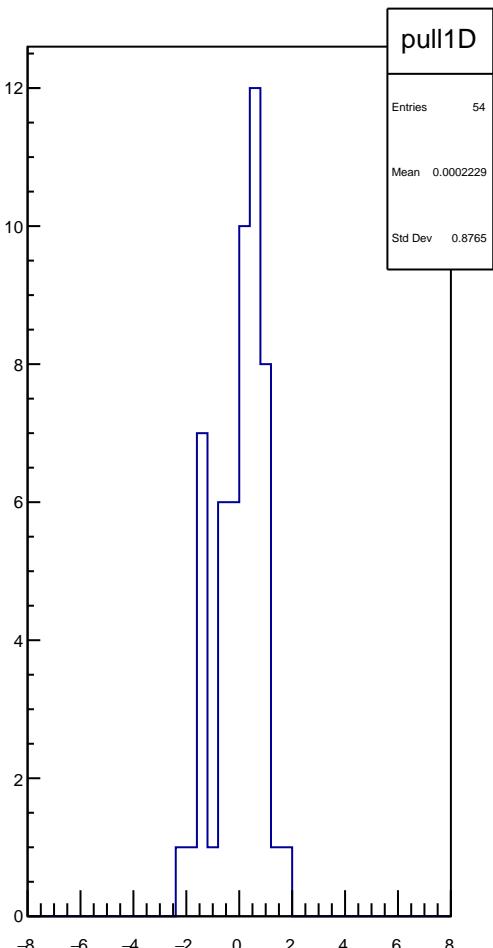
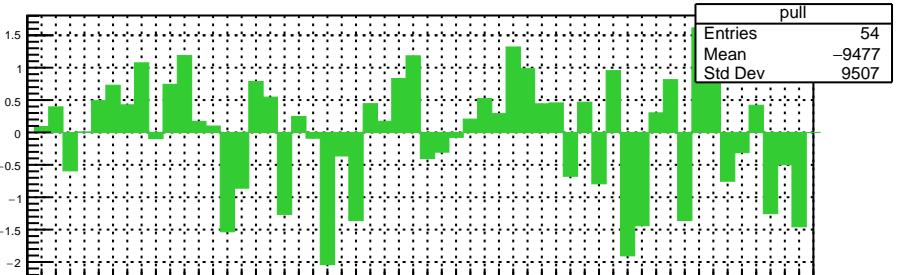
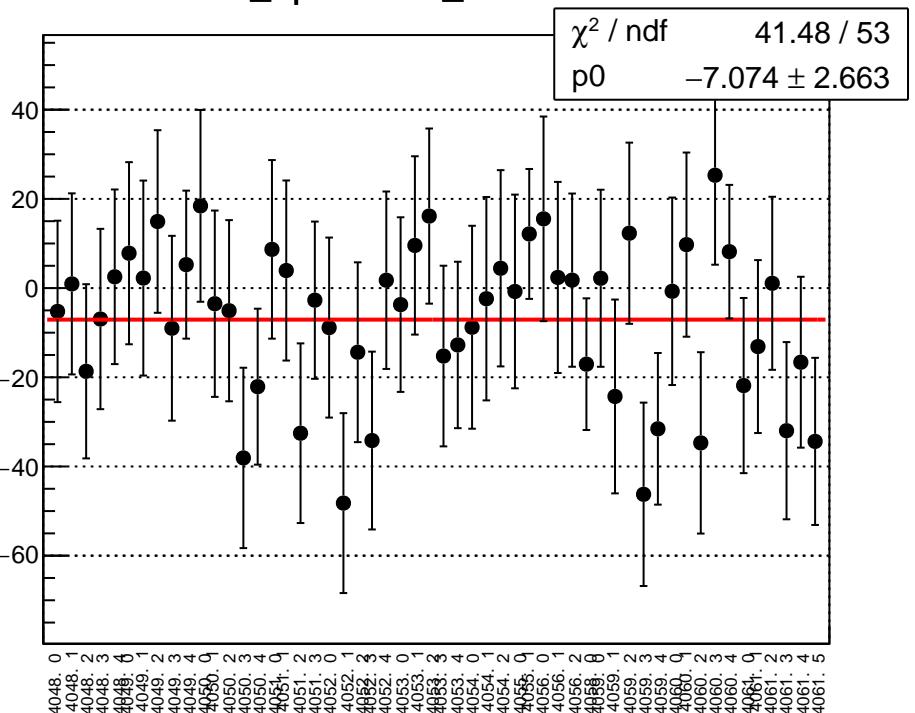
# diff\_bpm0l08X\_mean vs run



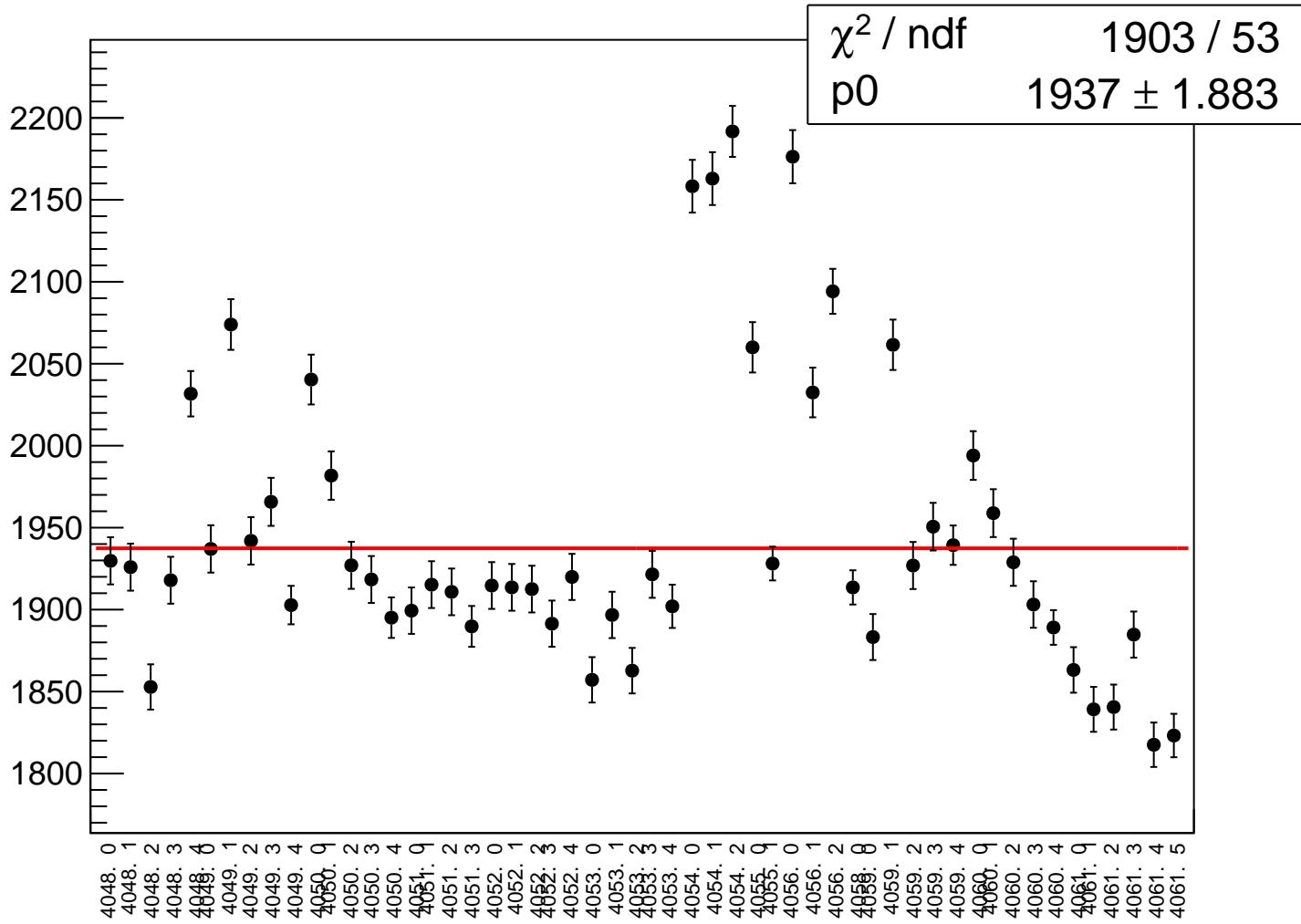
# diff\_bpm0I08X\_rms vs run



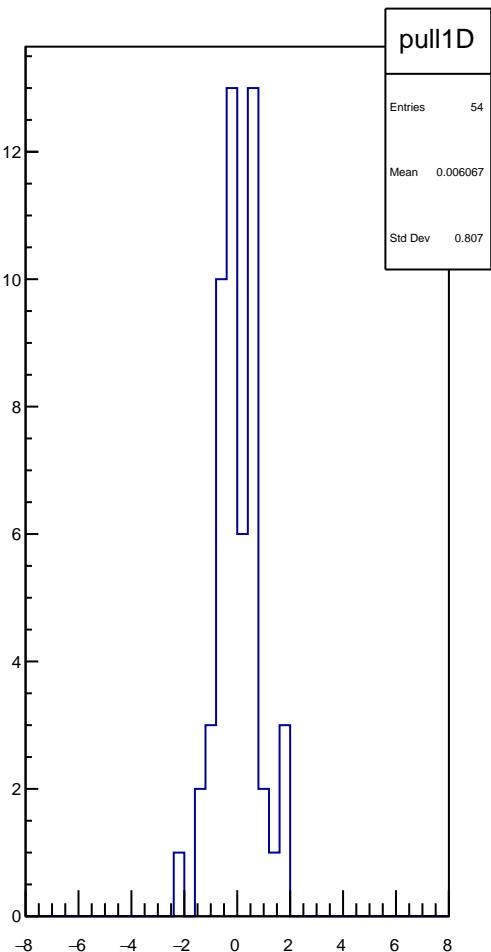
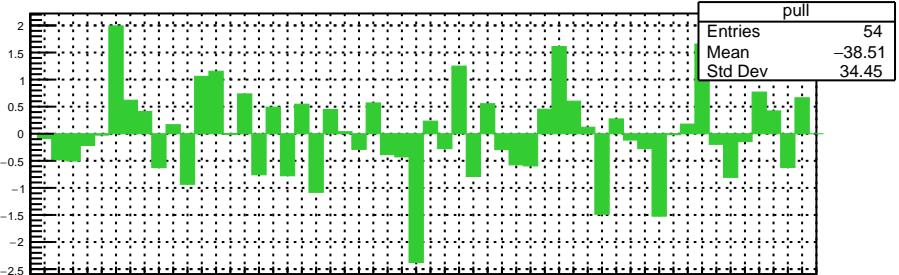
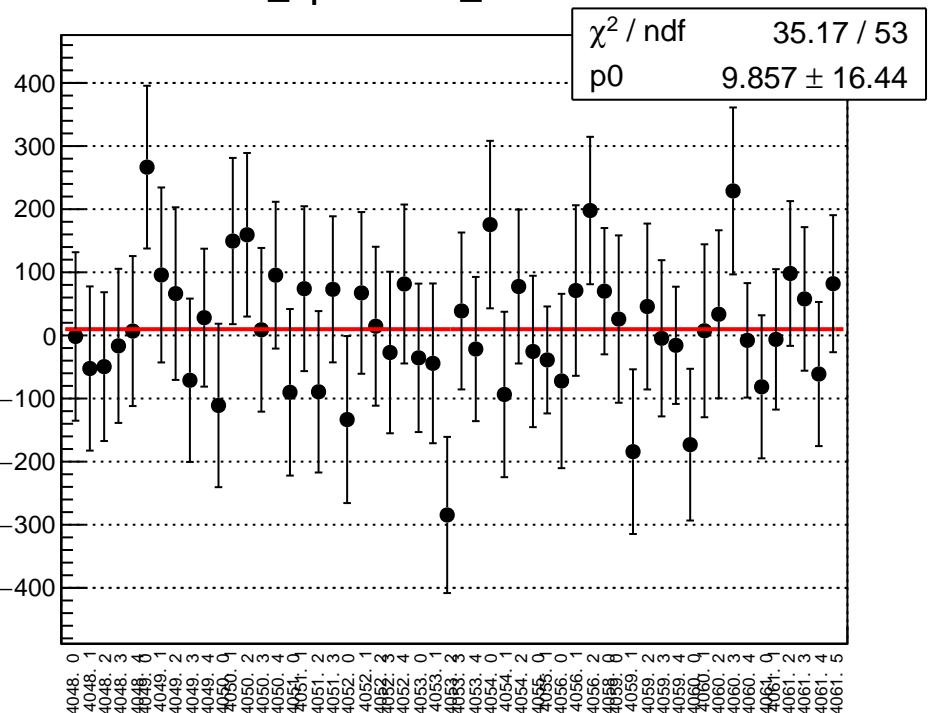
# diff\_bpm0l08Y\_mean vs run



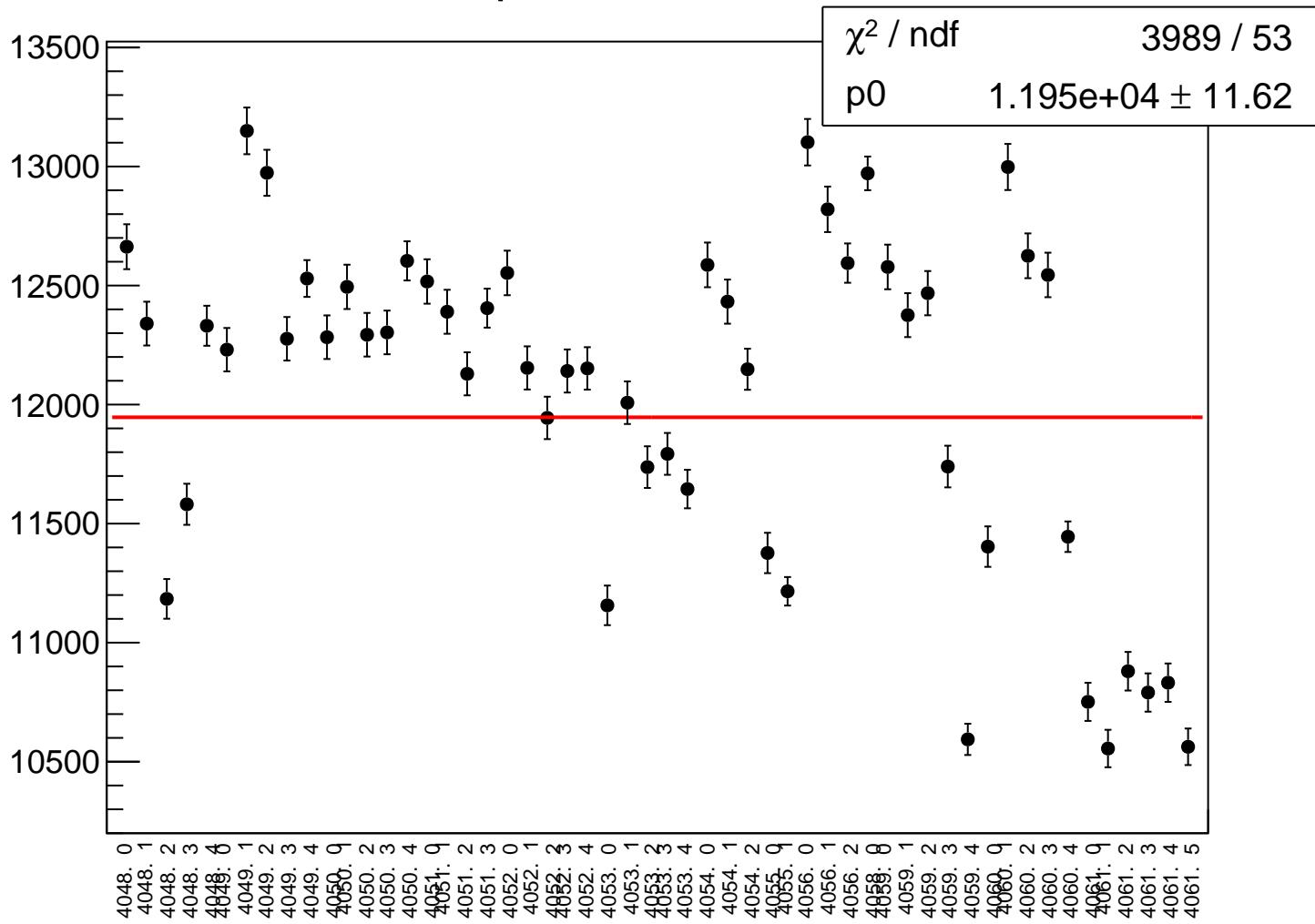
# diff\_bpm0I08Y\_rms vs run



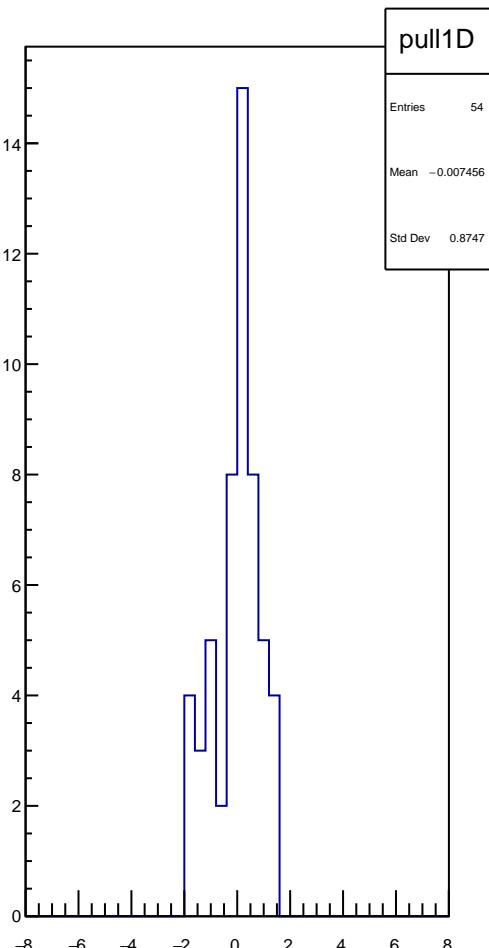
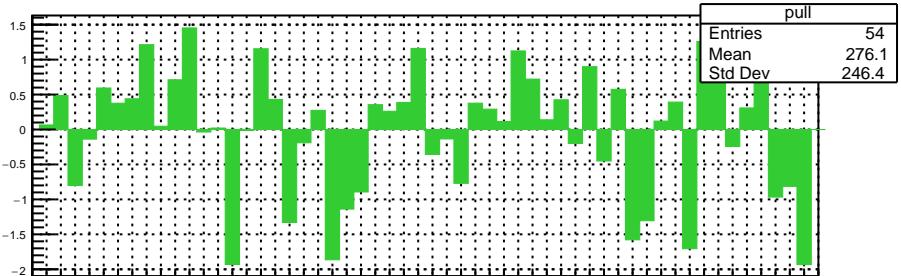
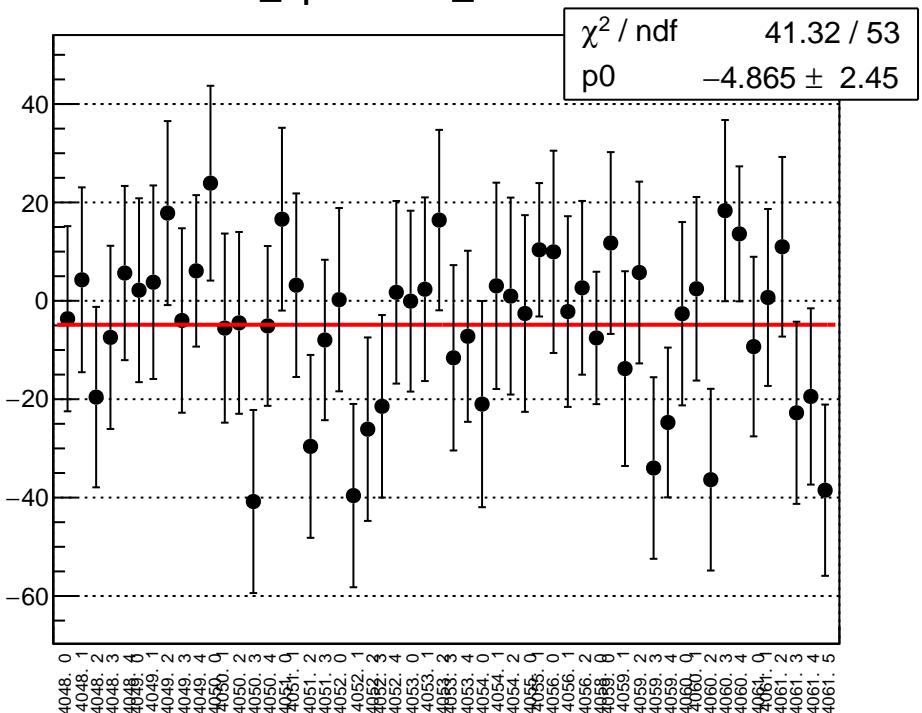
# diff\_bpm0l09X\_mean vs run



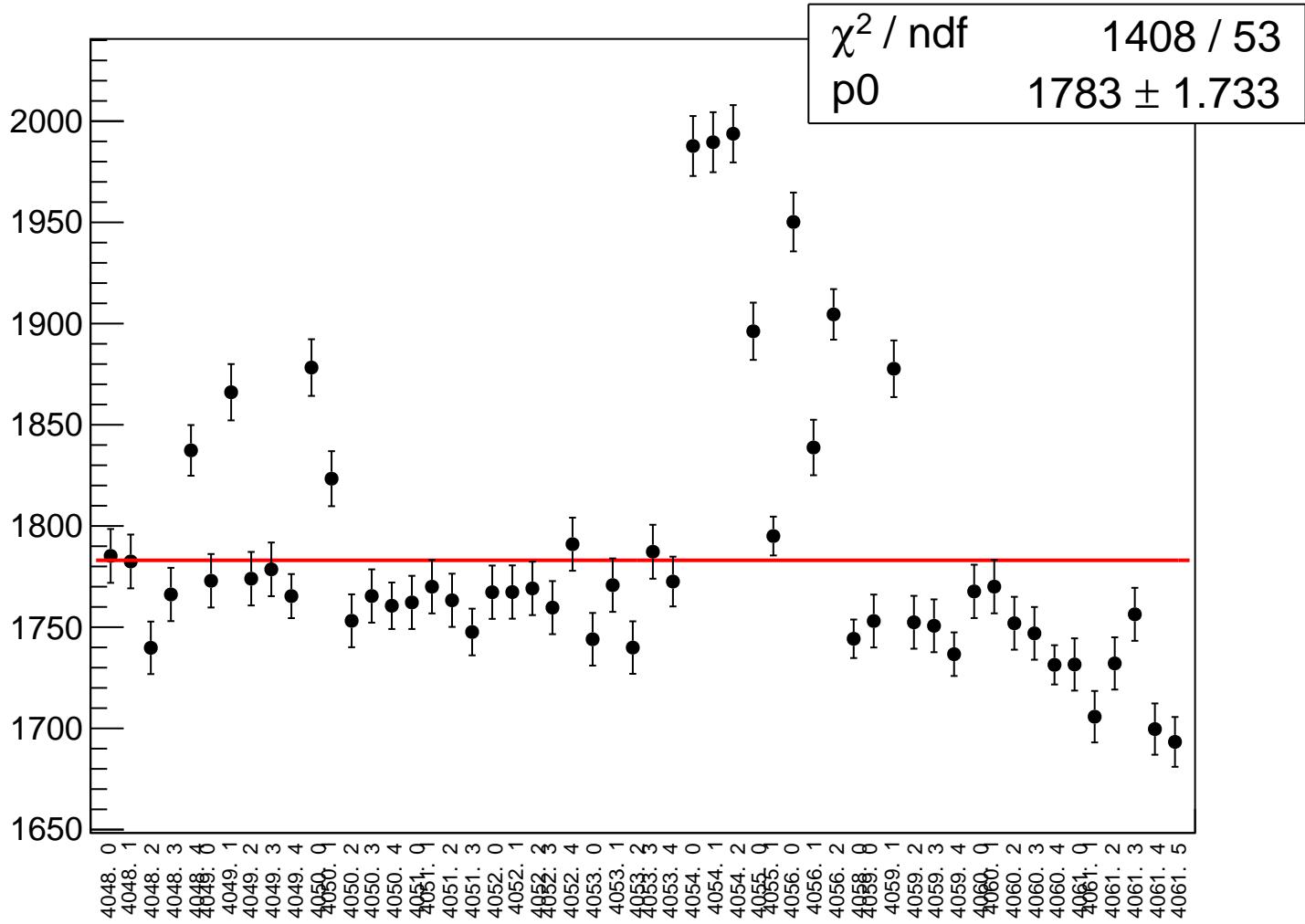
# diff\_bpmon09X\_rms vs run



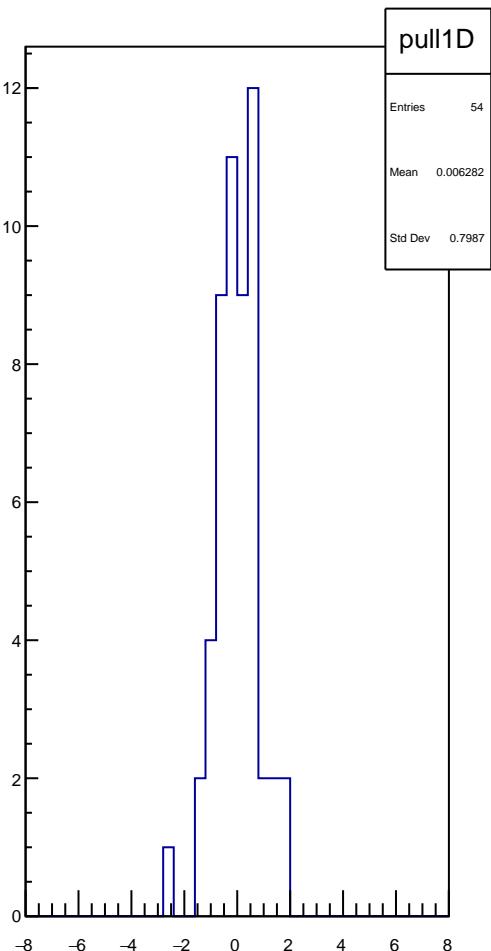
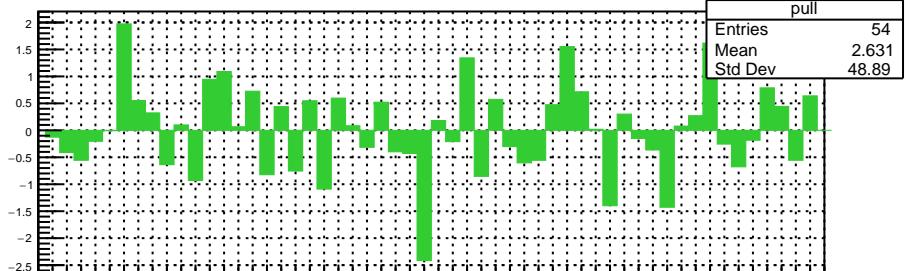
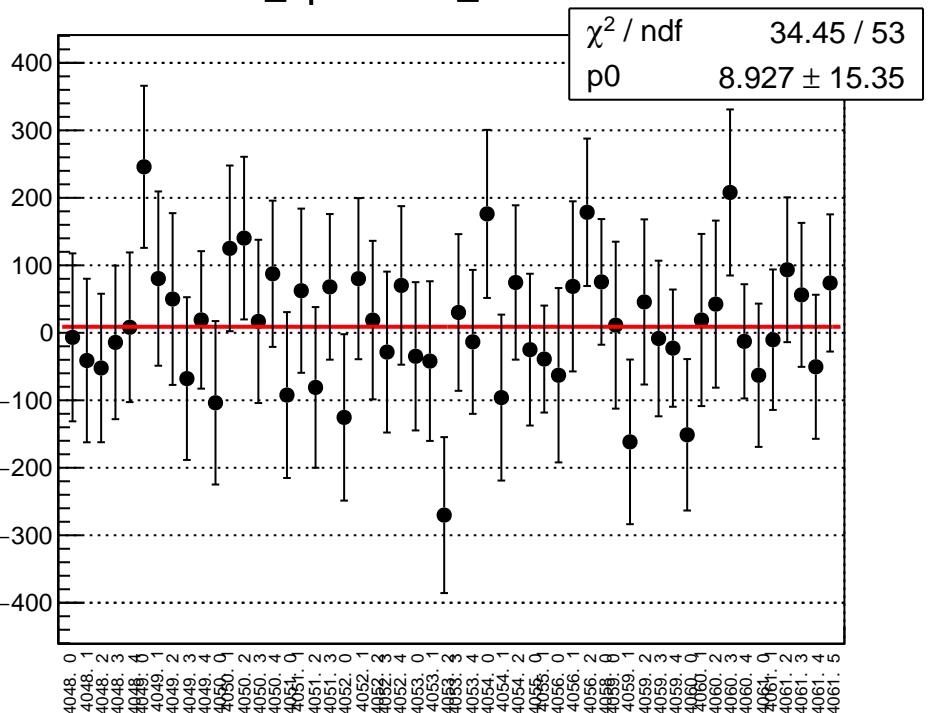
# diff\_bpm0l09Y\_mean vs run



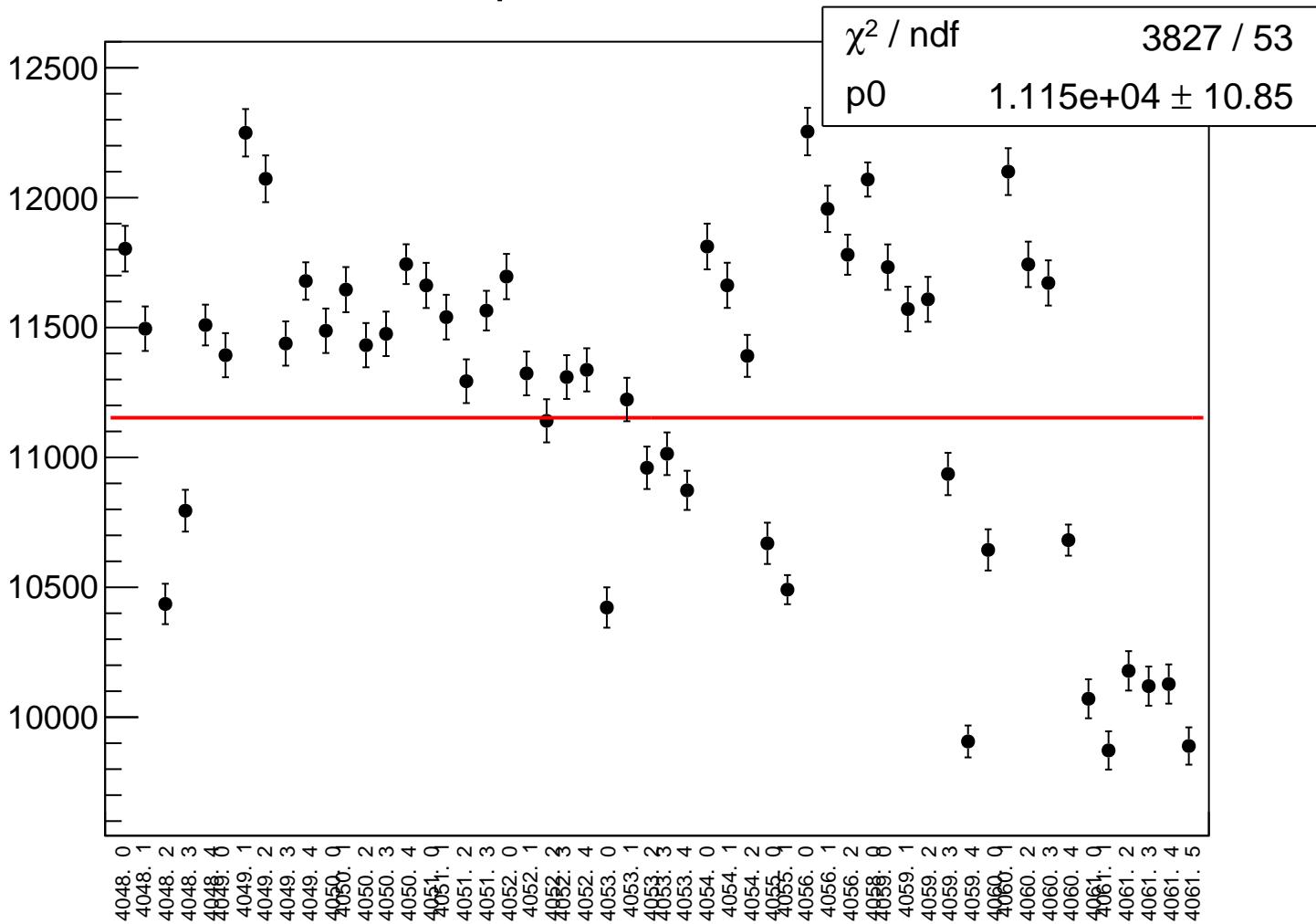
# diff\_bpm0I09Y\_rms vs run



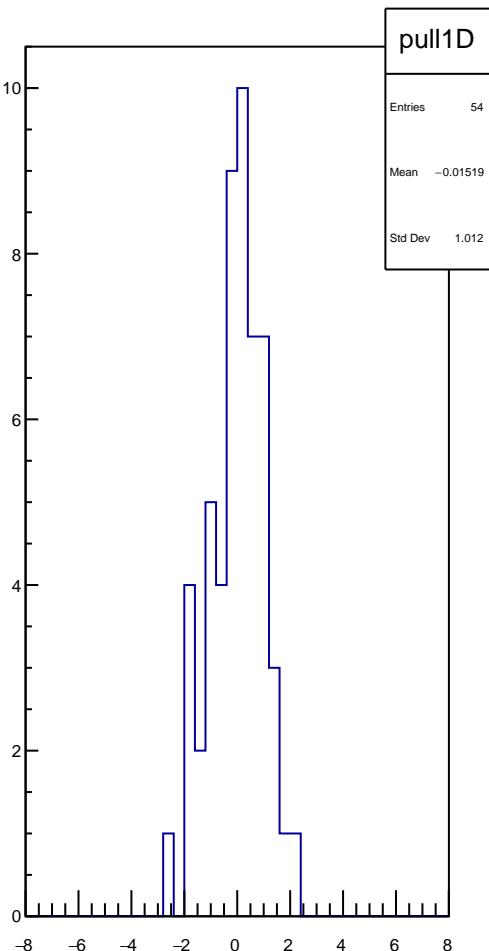
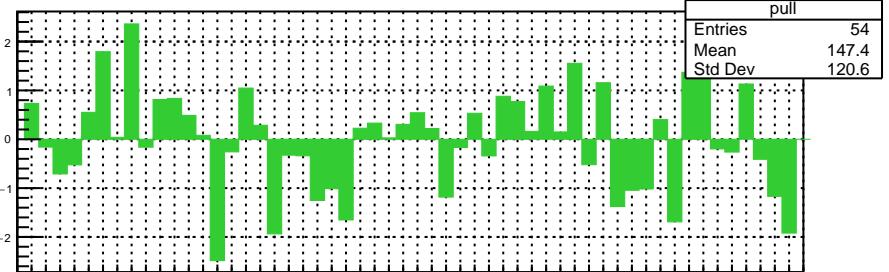
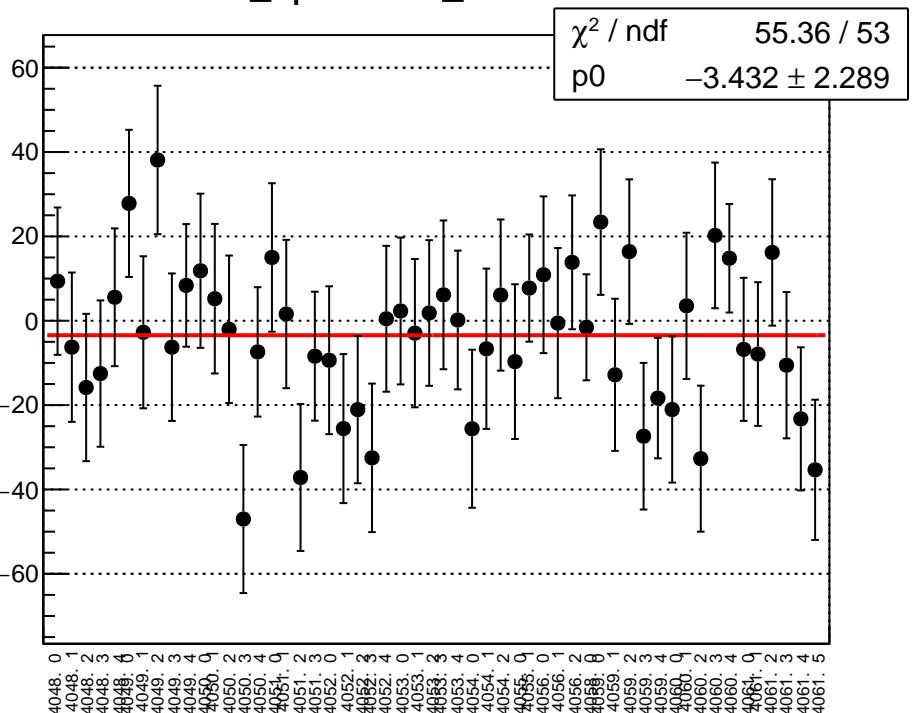
# diff\_bpm0l10X\_mean vs run



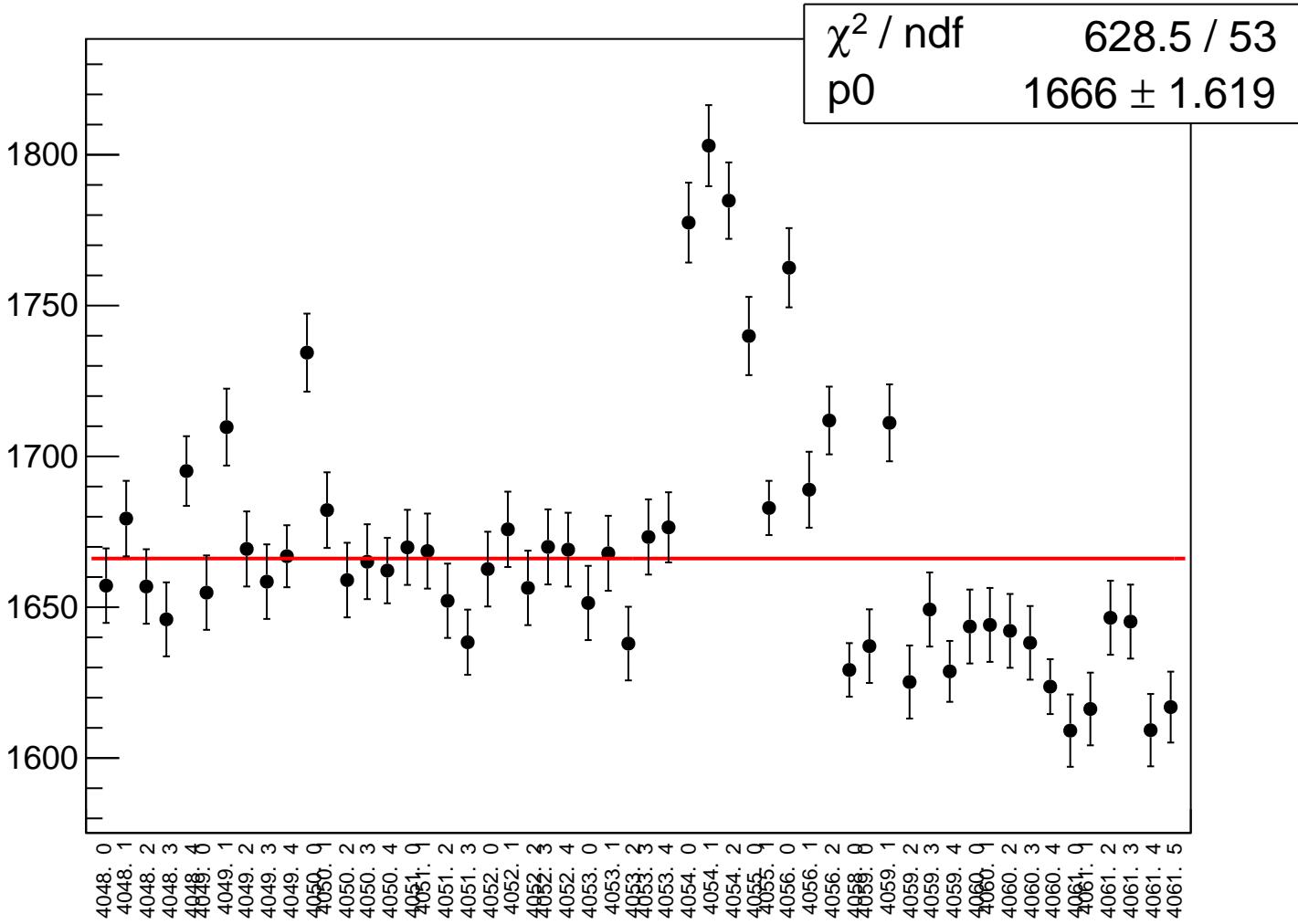
# diff\_bpm0I10X\_rms vs run



# diff\_bpm0I10Y\_mean vs run

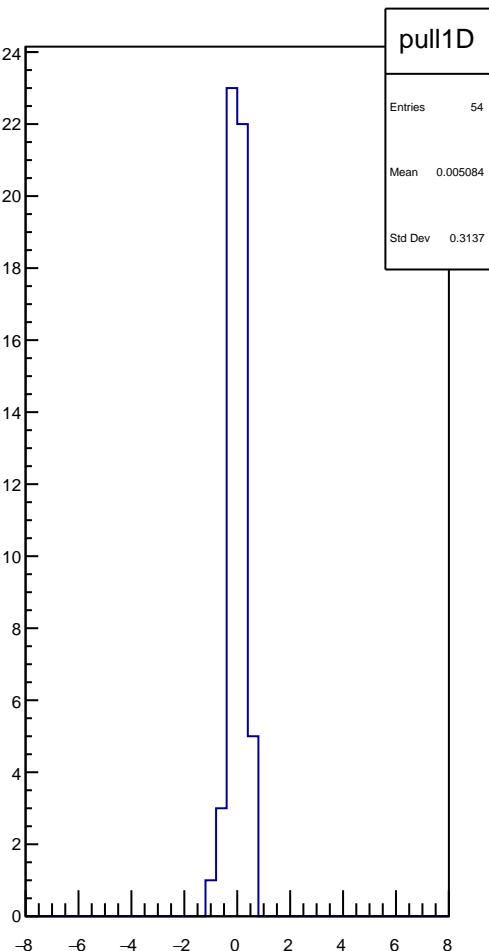
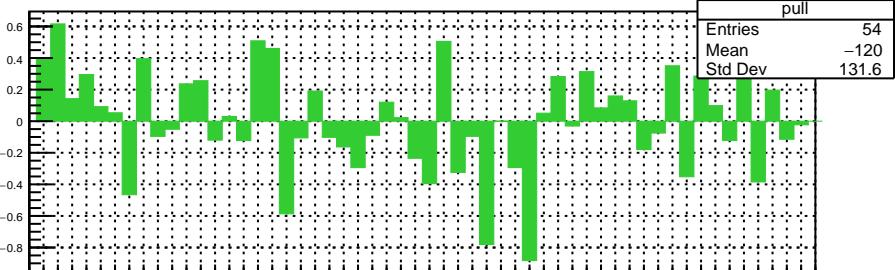
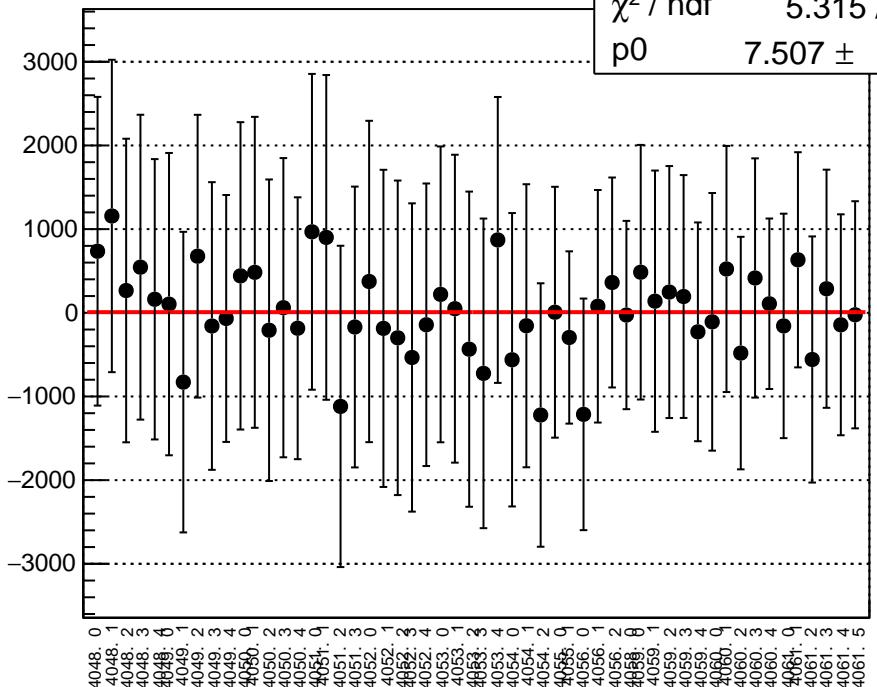


# diff\_bpm0I10Y\_rms vs run

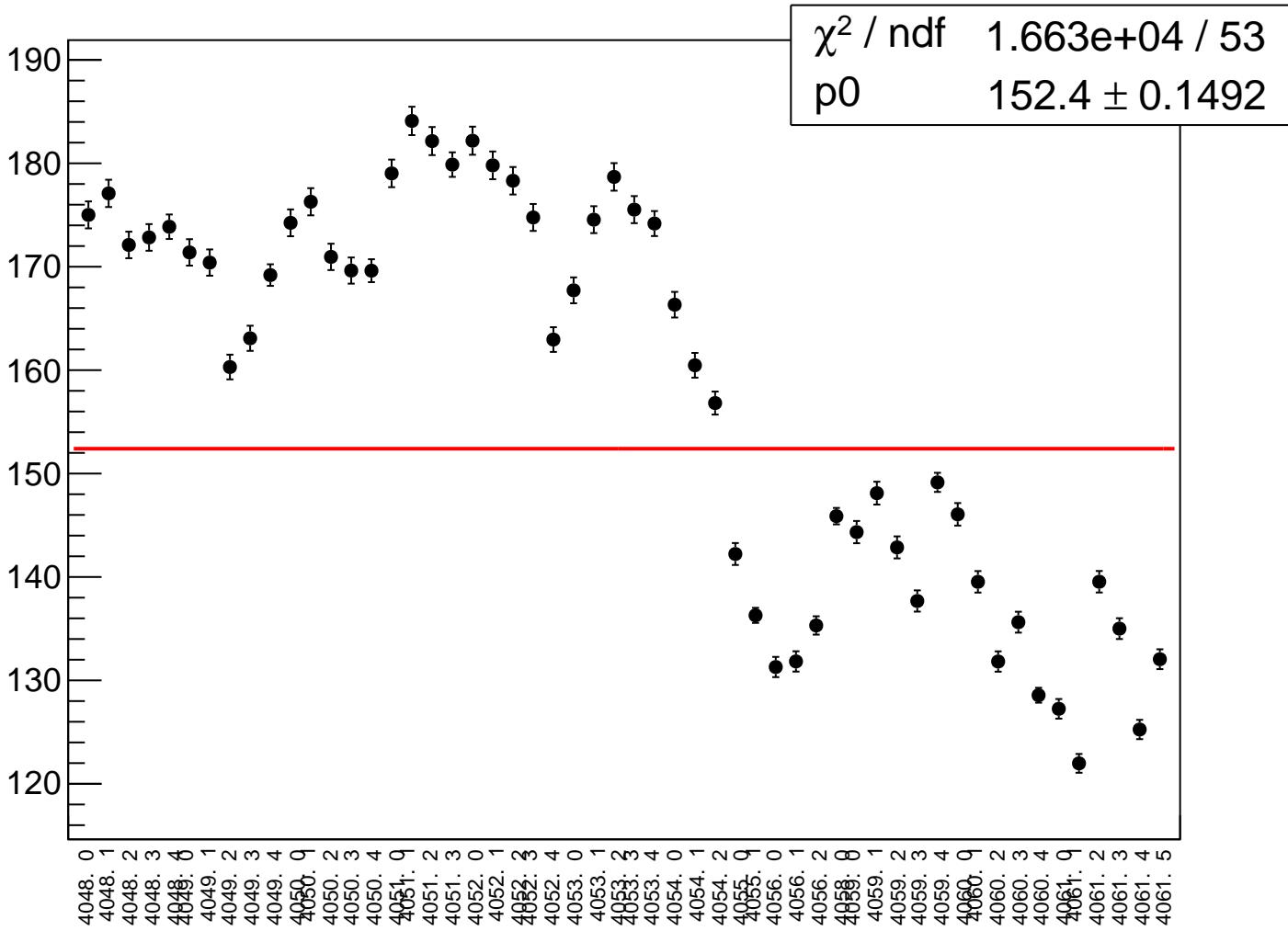


asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run

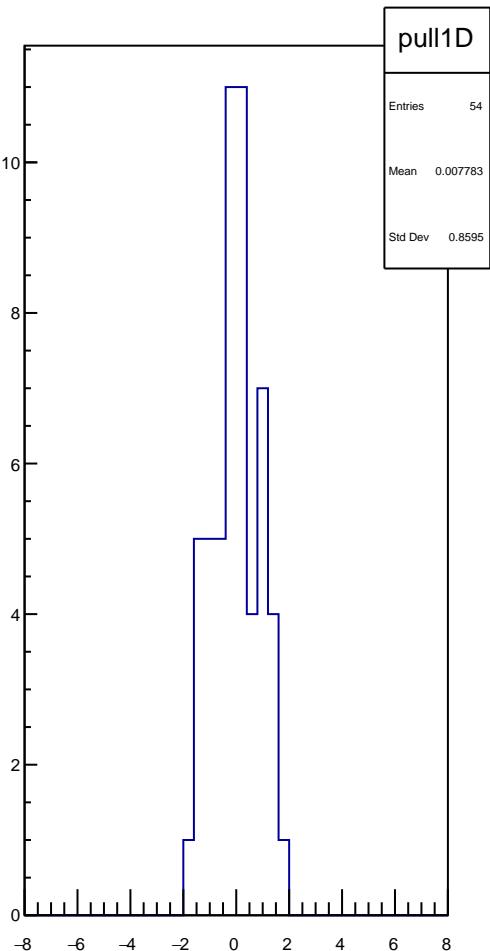
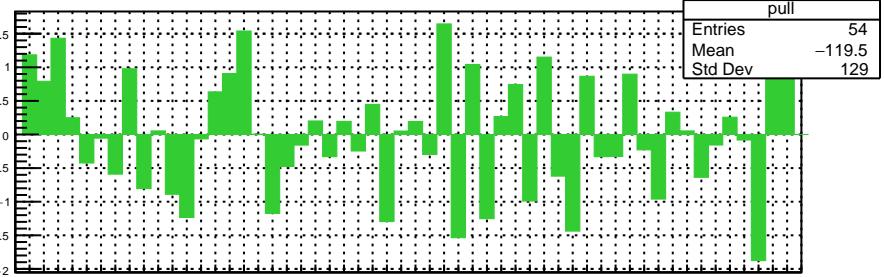
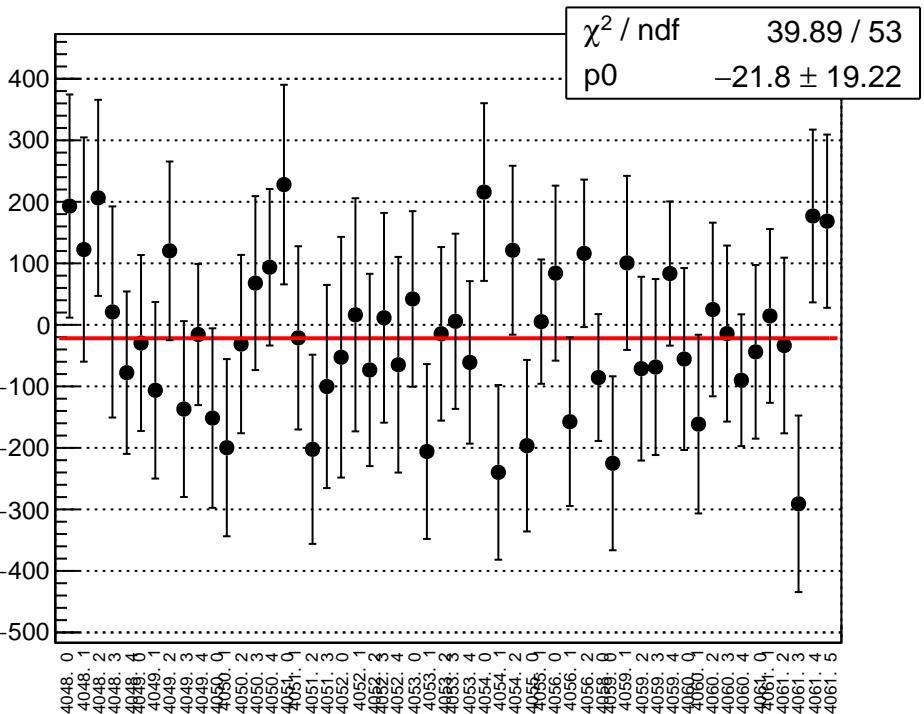
$\chi^2 / \text{ndf}$  5.315 / 53  
p0  $7.507 \pm 211$



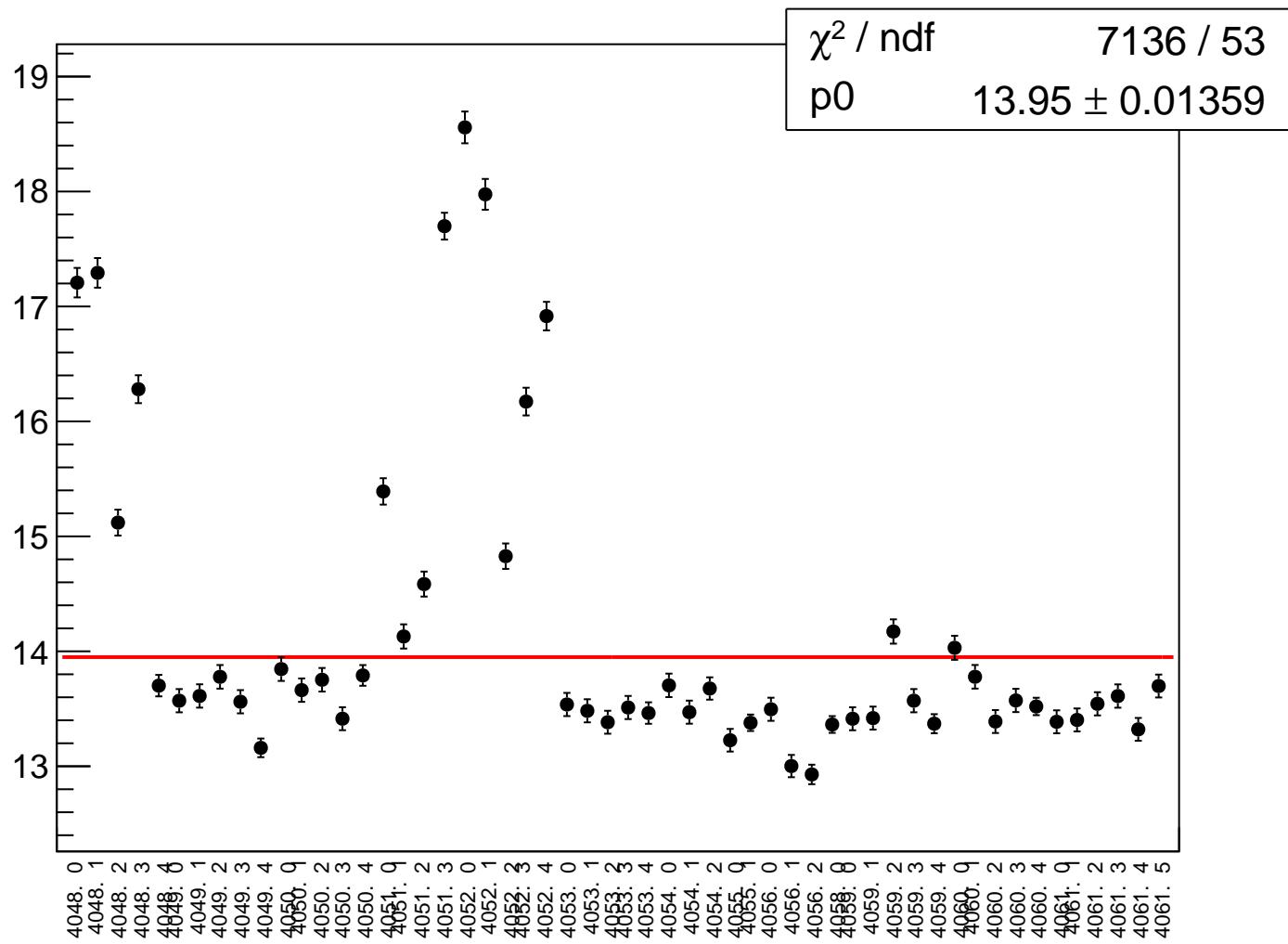
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_rms vs run



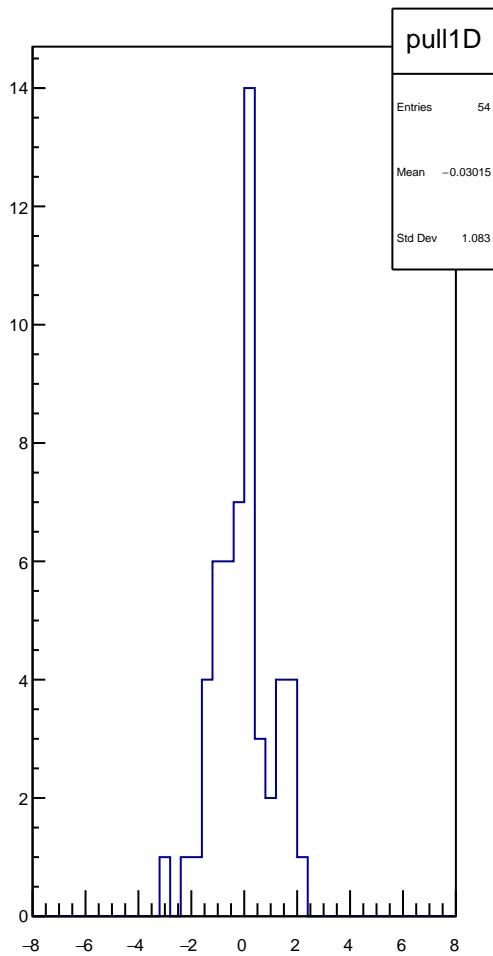
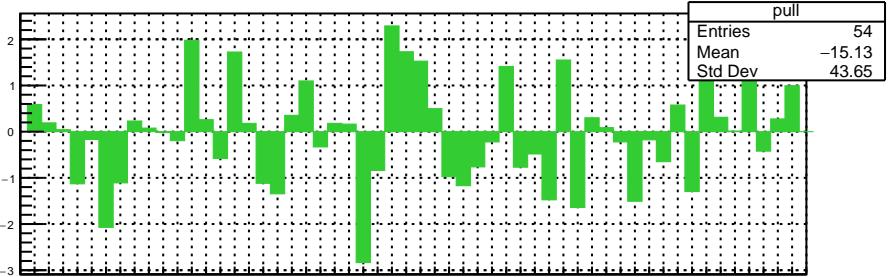
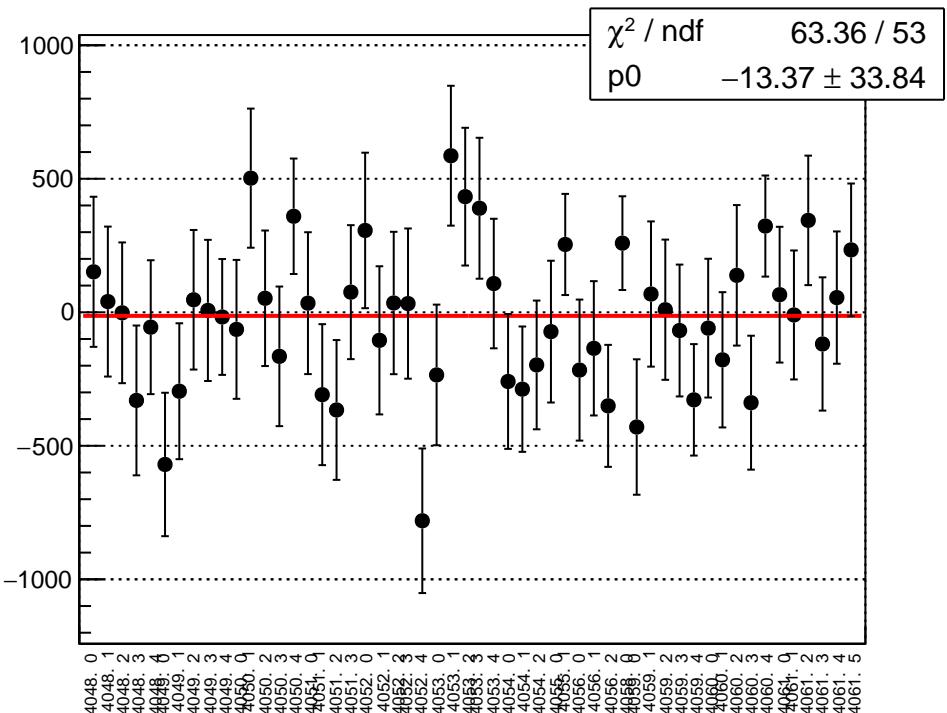
asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs run



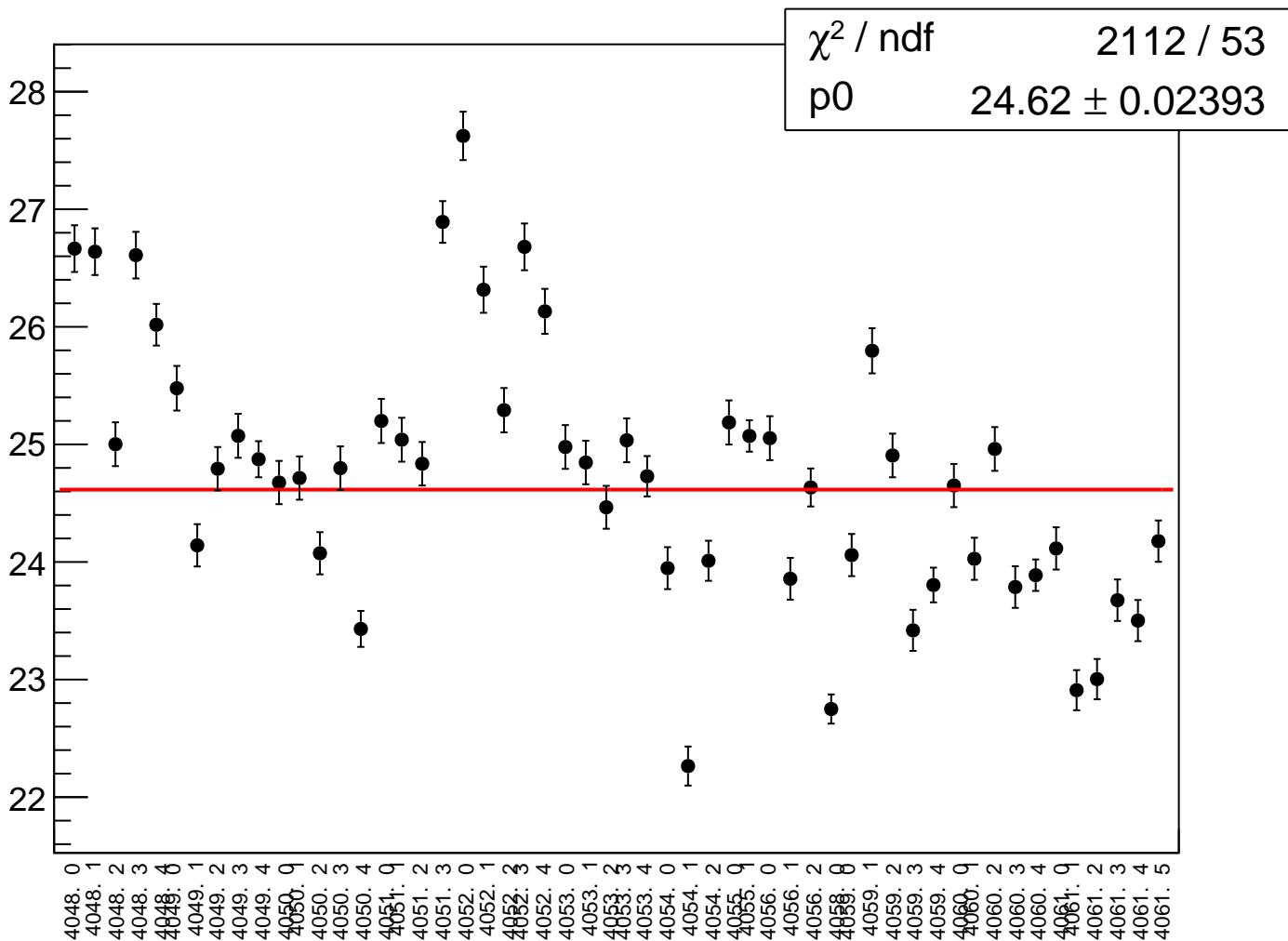
# asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs run

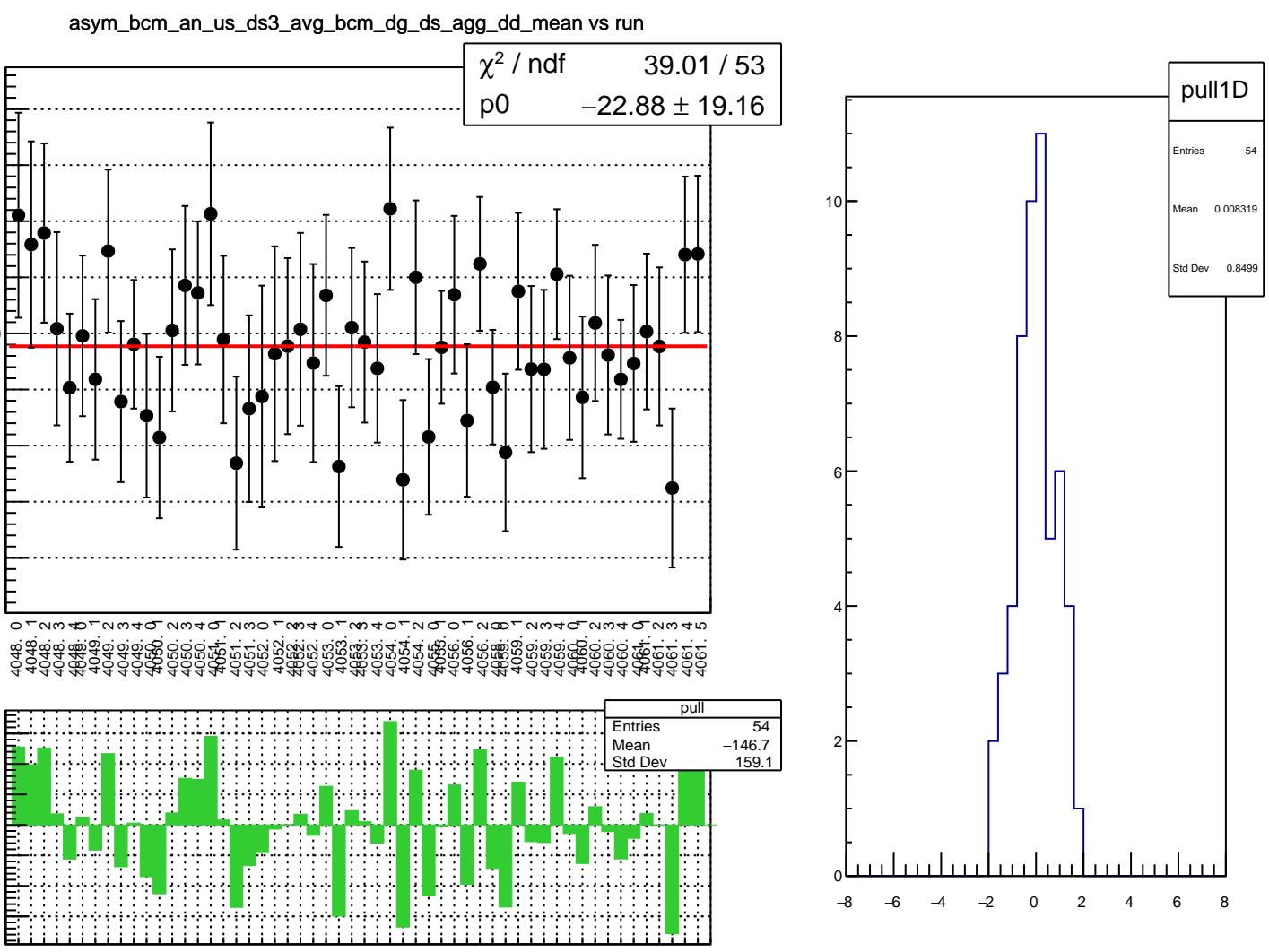


asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs run

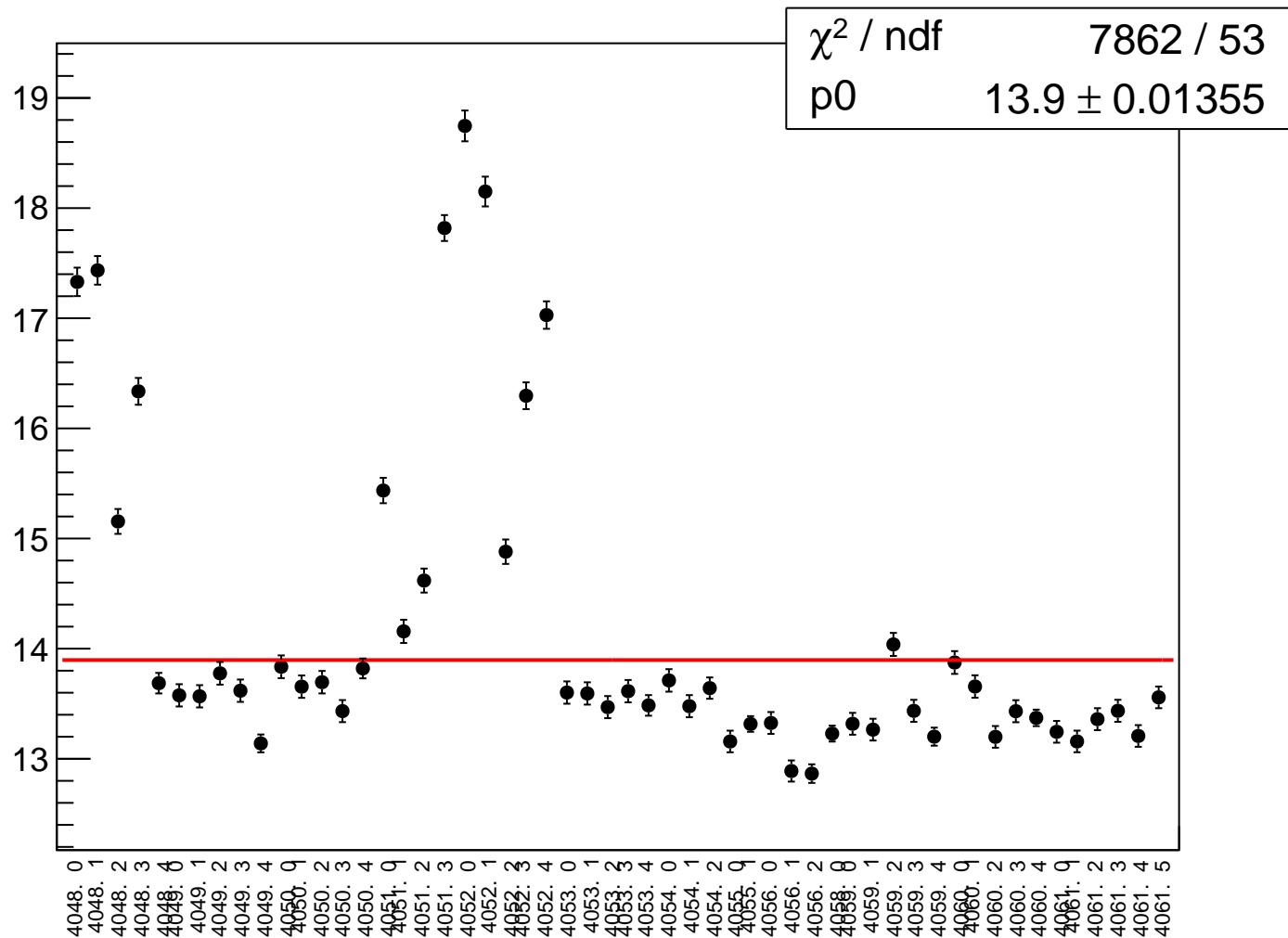


# asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run

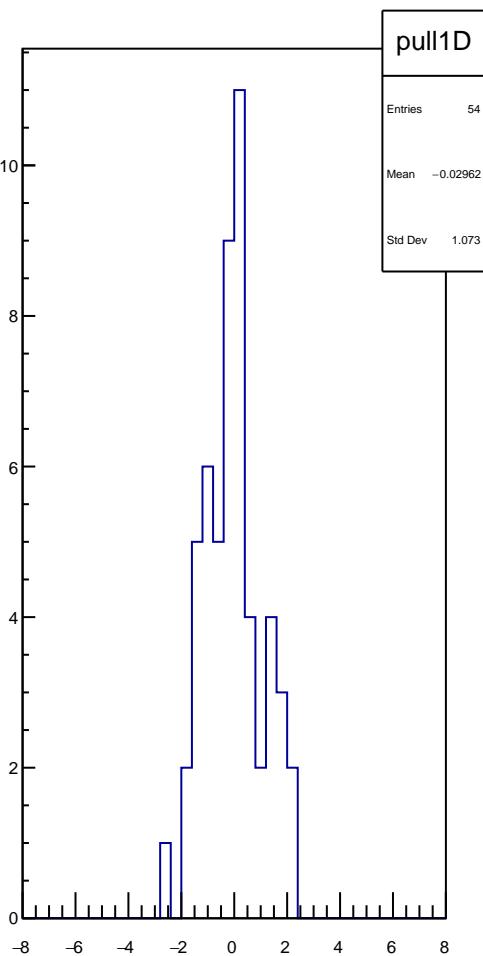
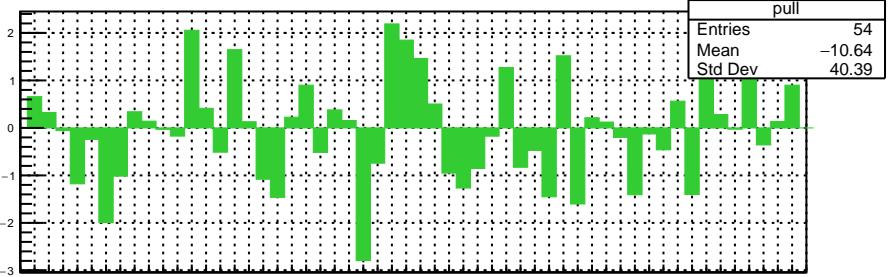
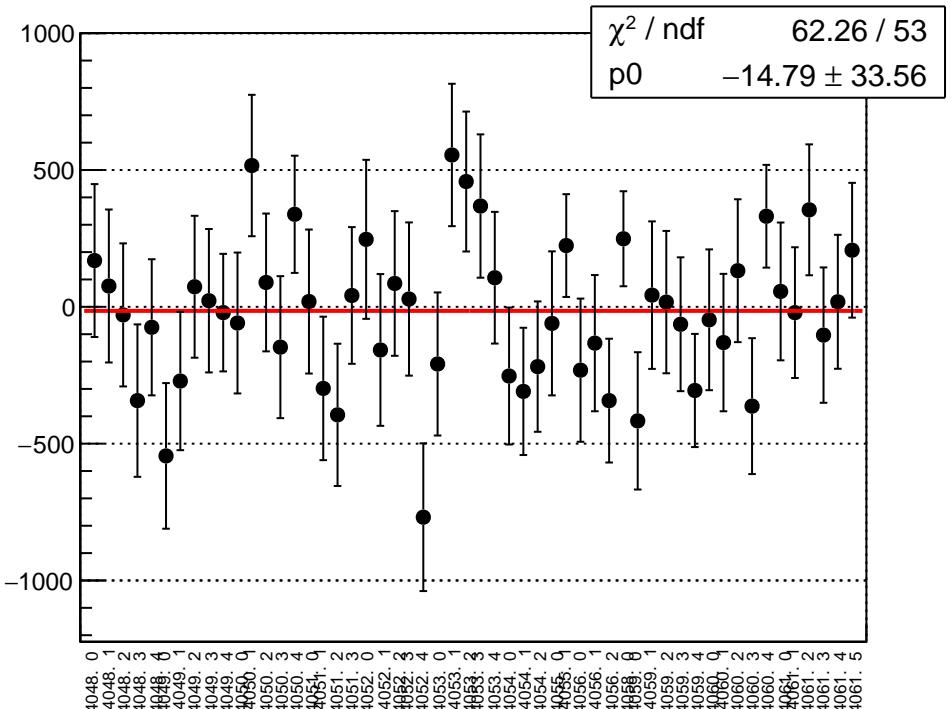




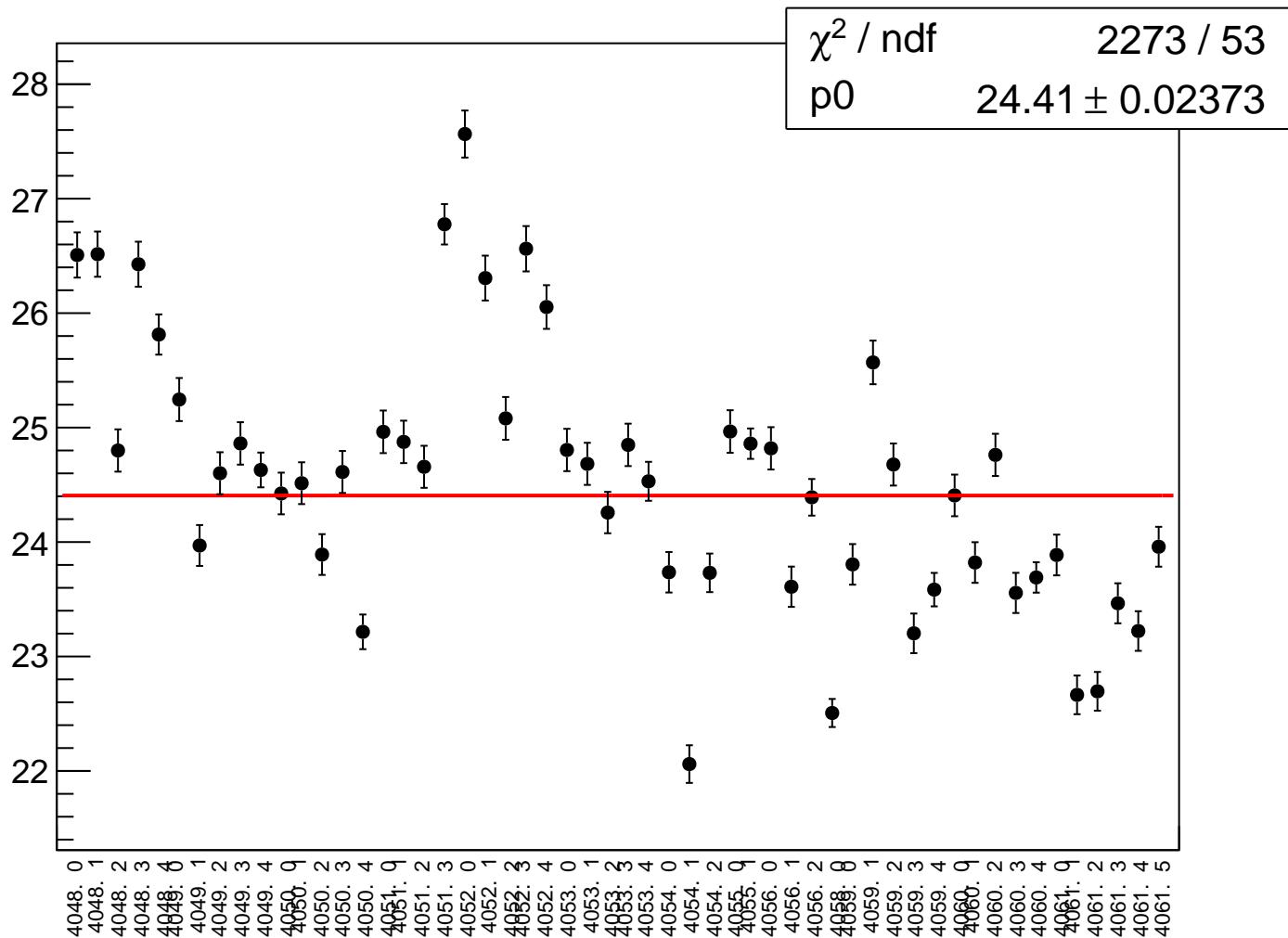
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs run



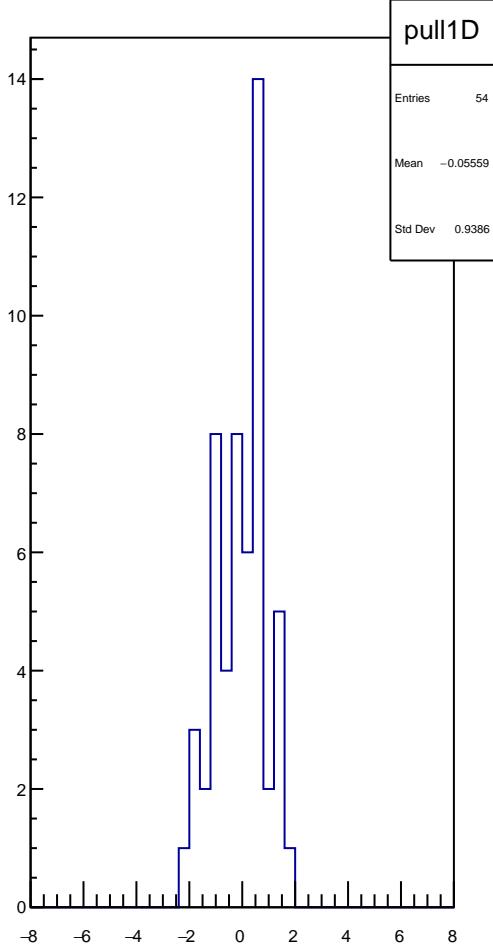
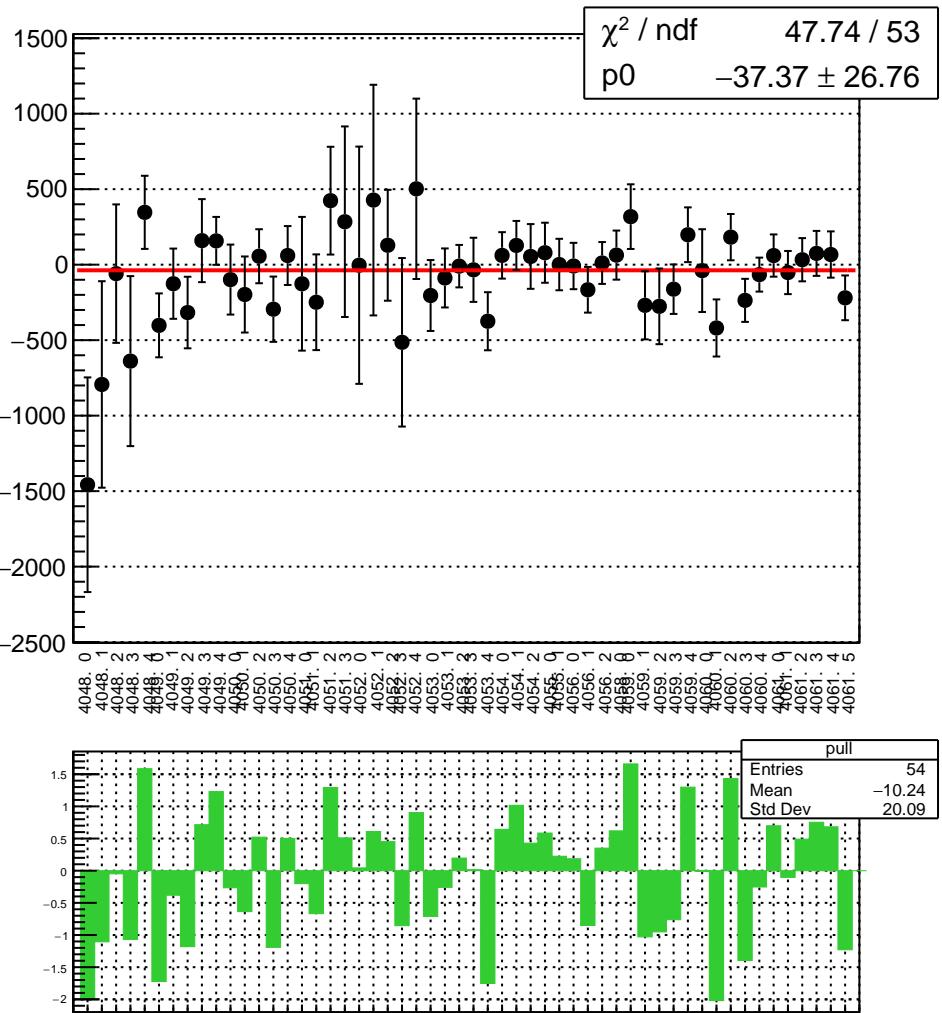
asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs run



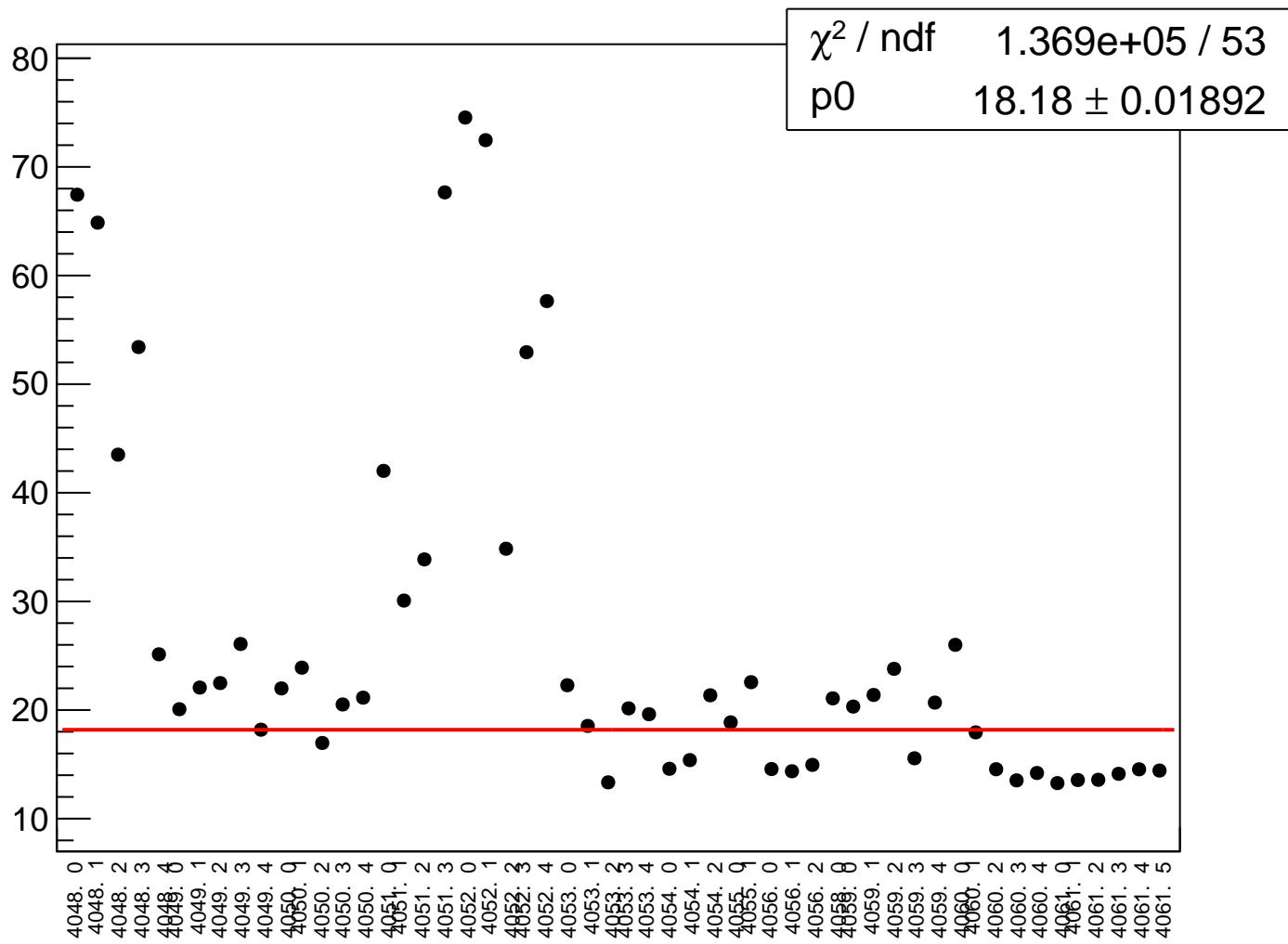
# asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs run



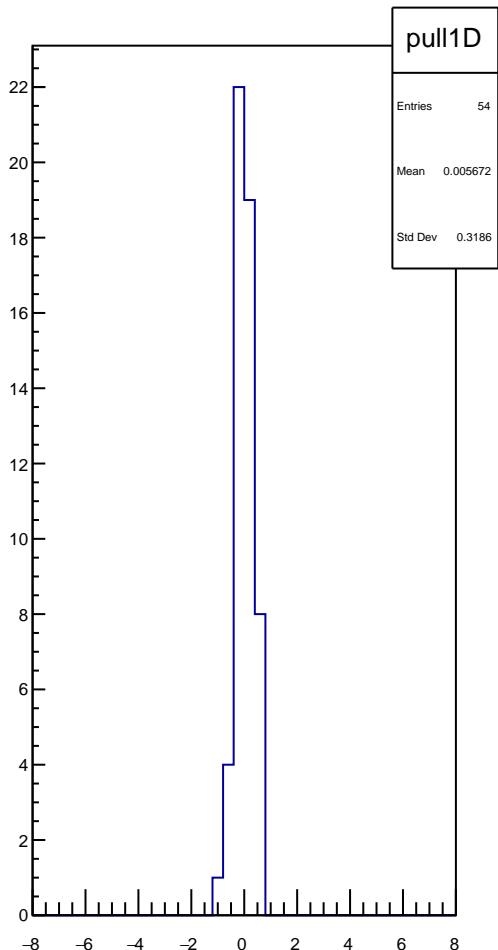
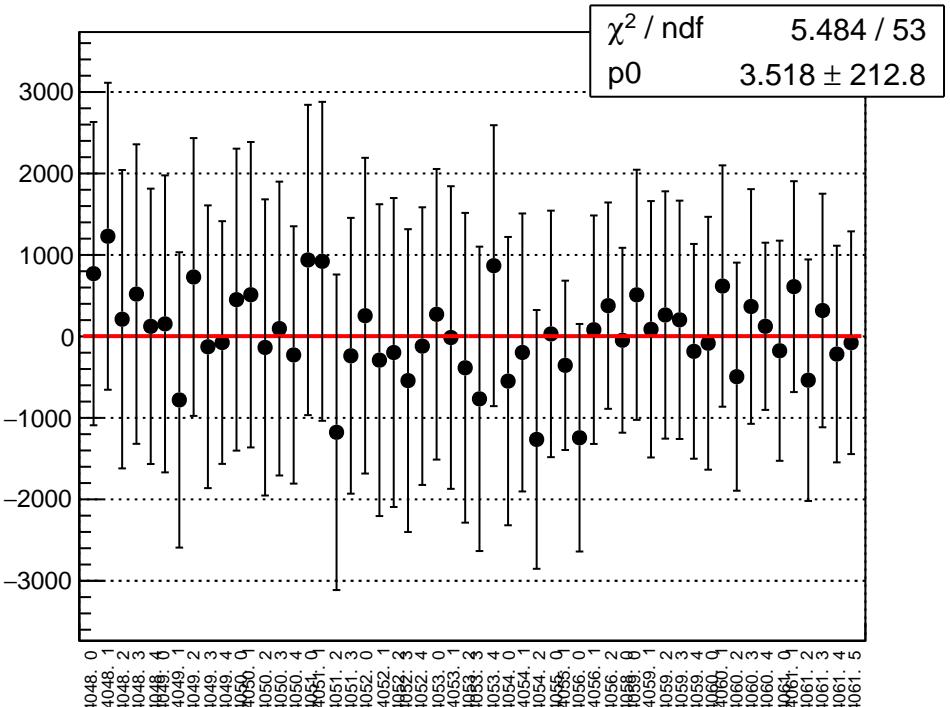
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



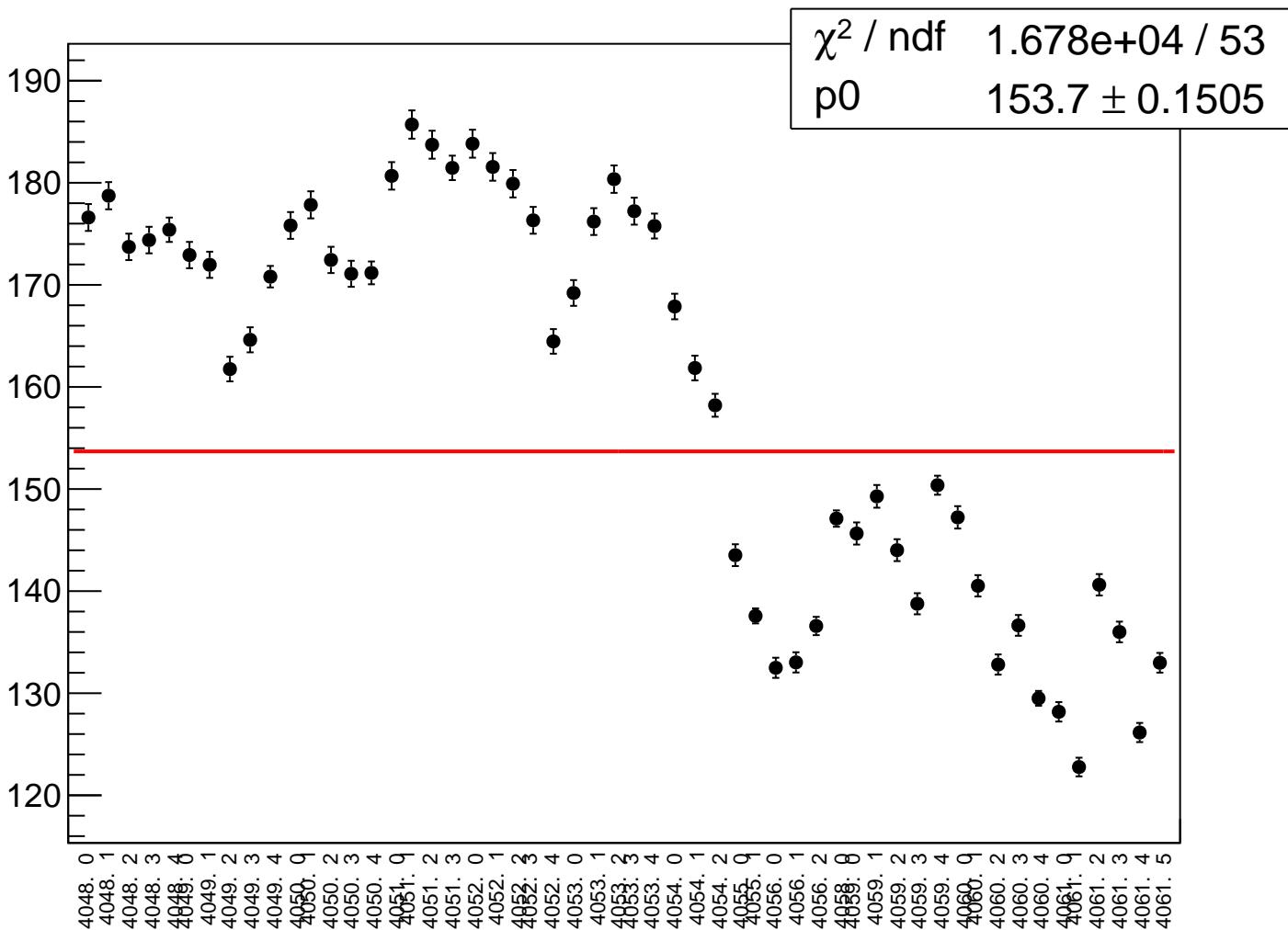
# asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run



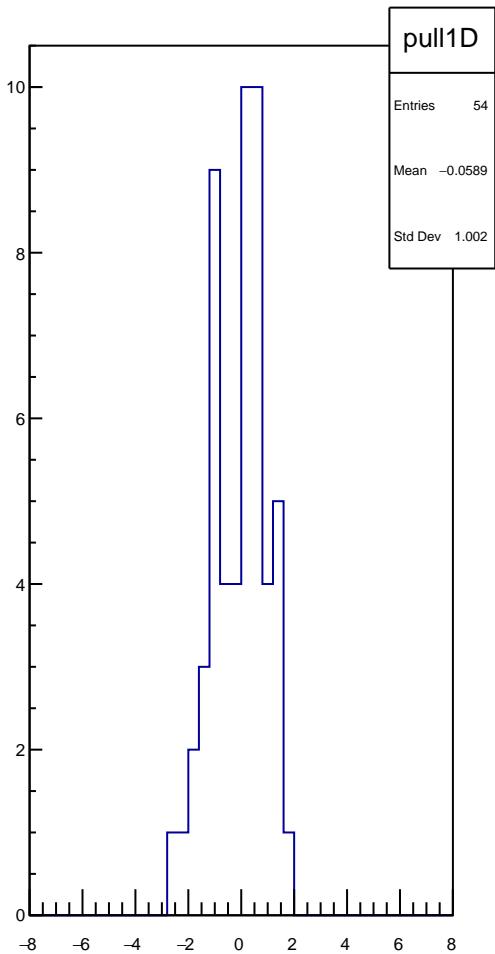
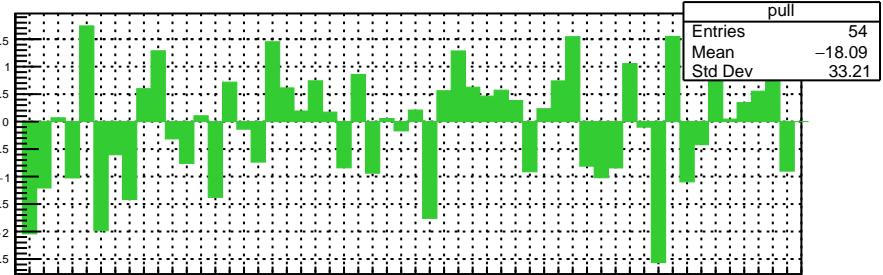
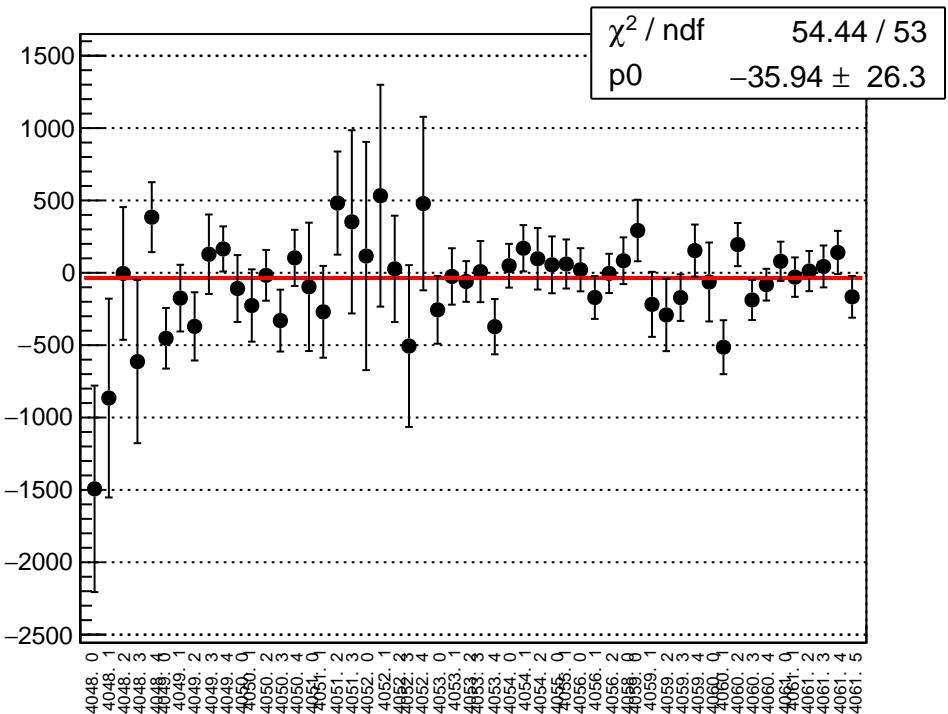
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_mean vs run



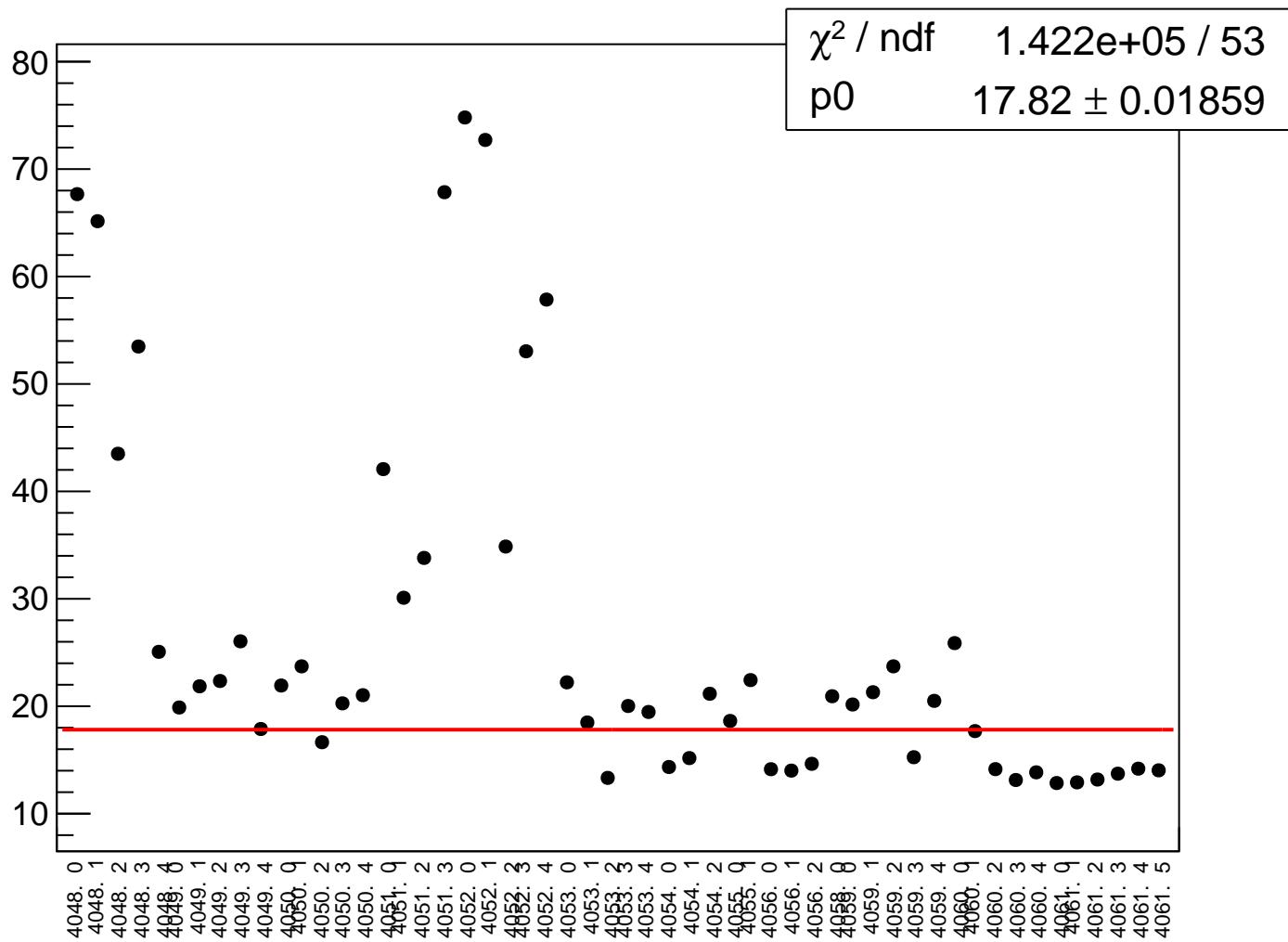
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_rms vs run



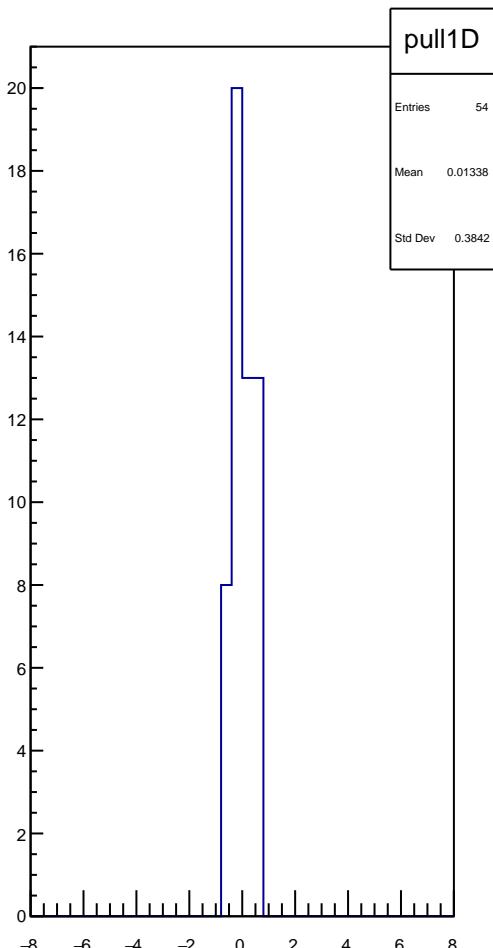
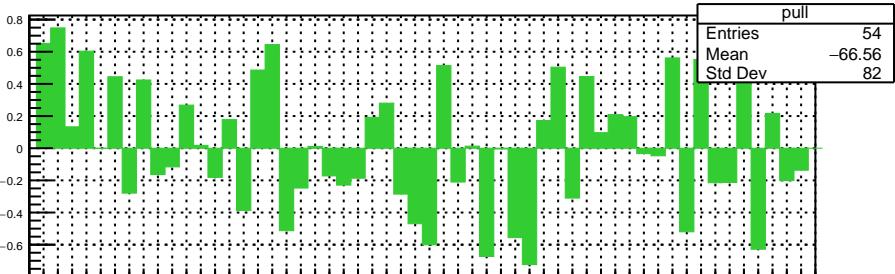
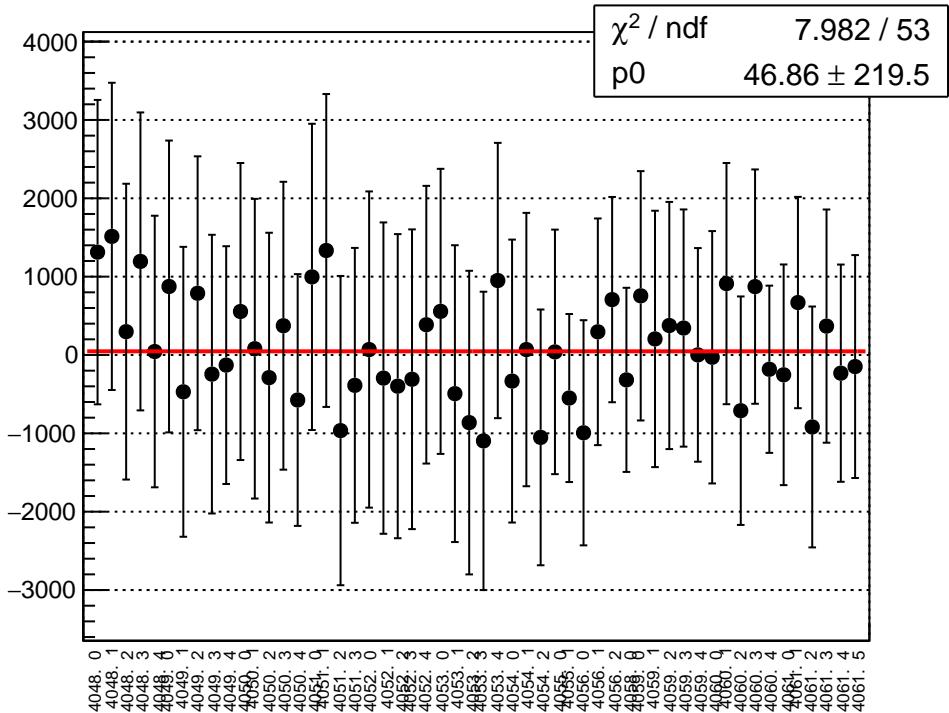
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_mean vs run



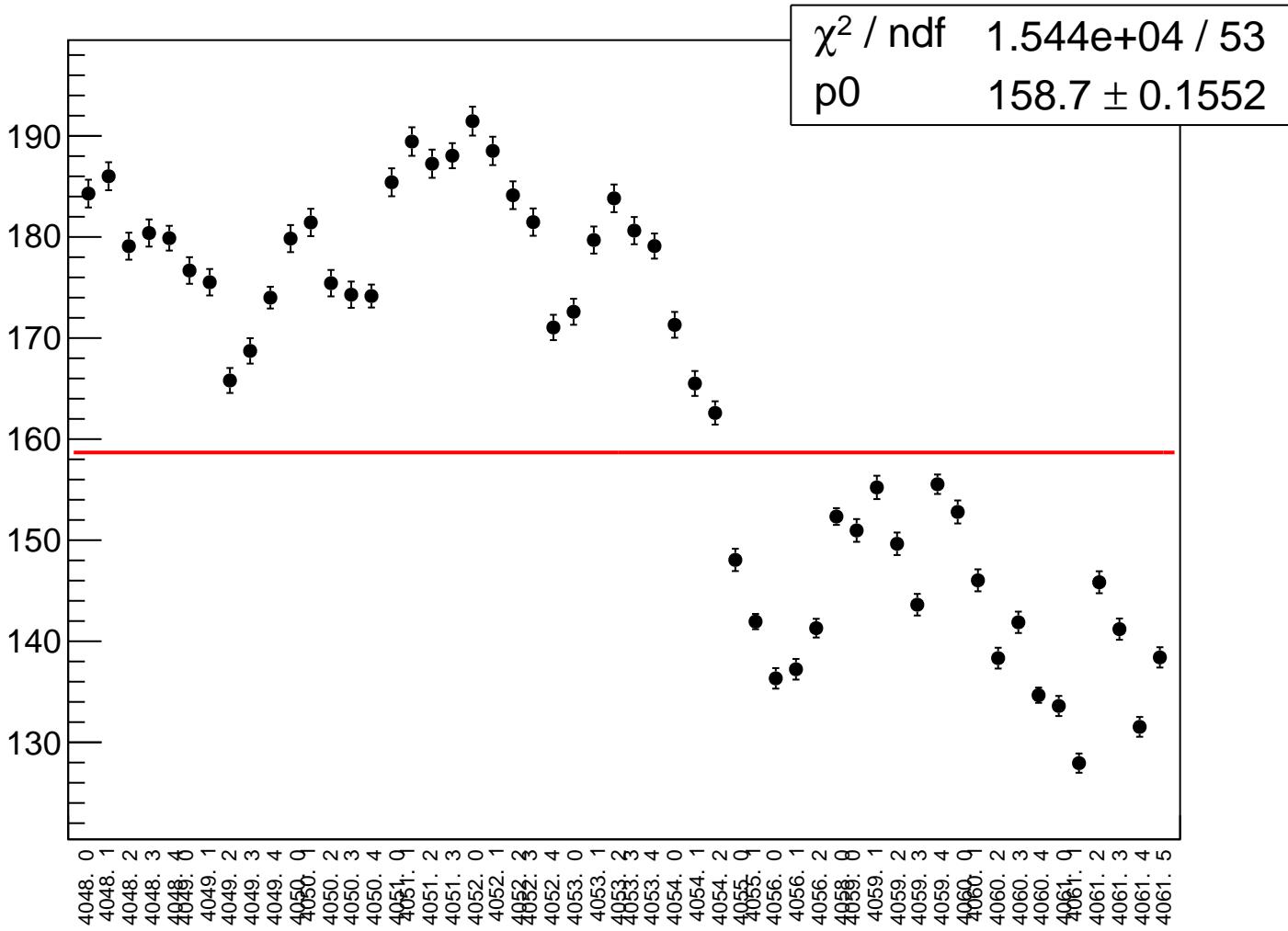
# asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_rms vs run



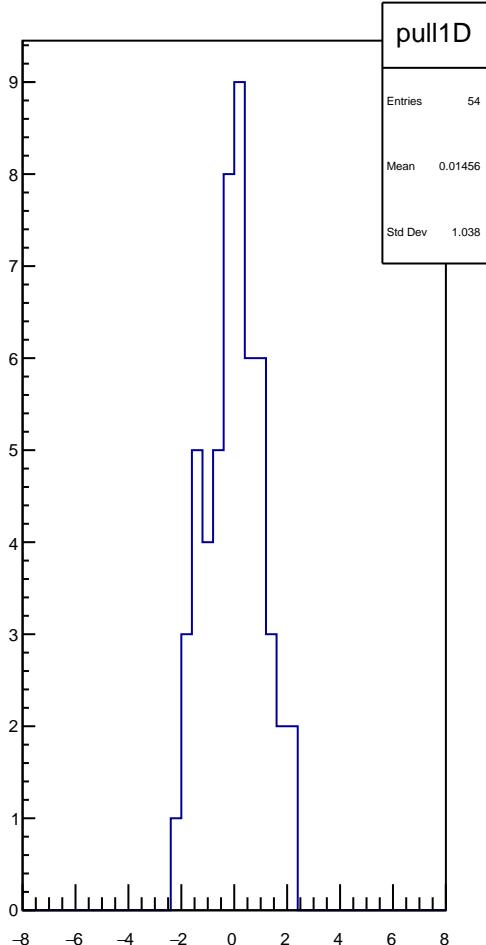
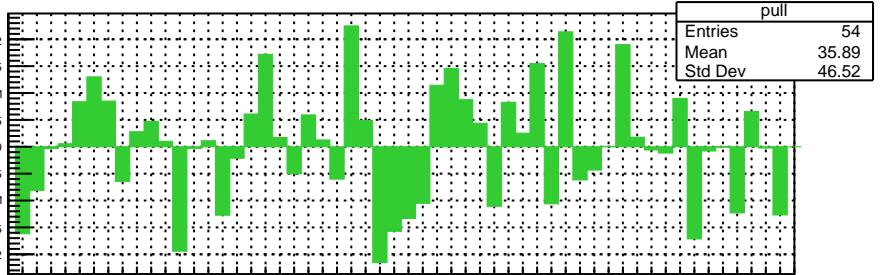
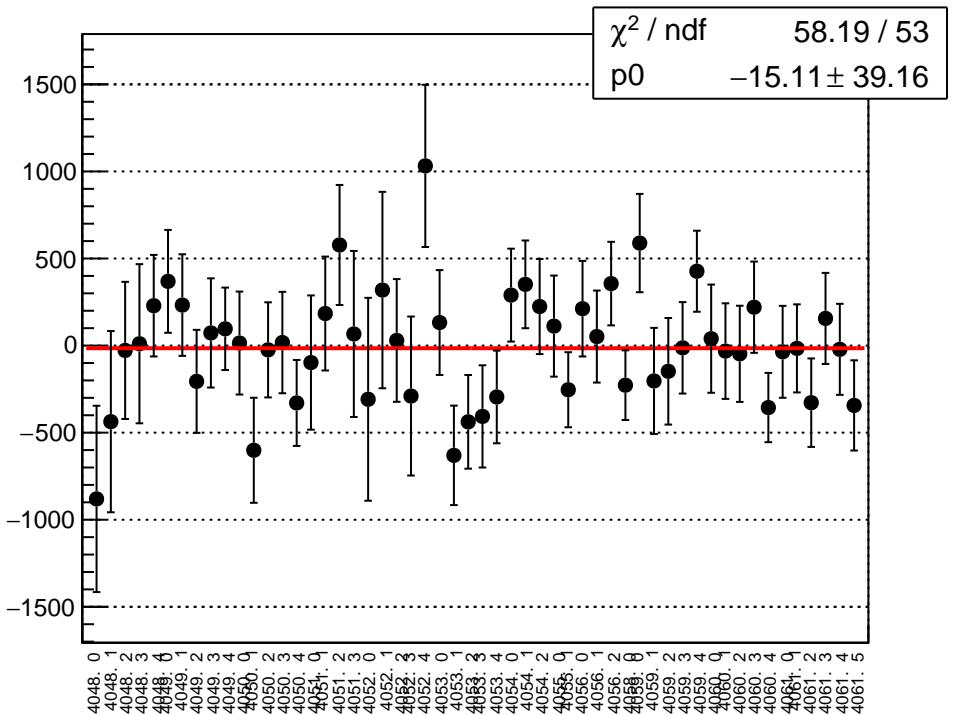
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_mean vs run



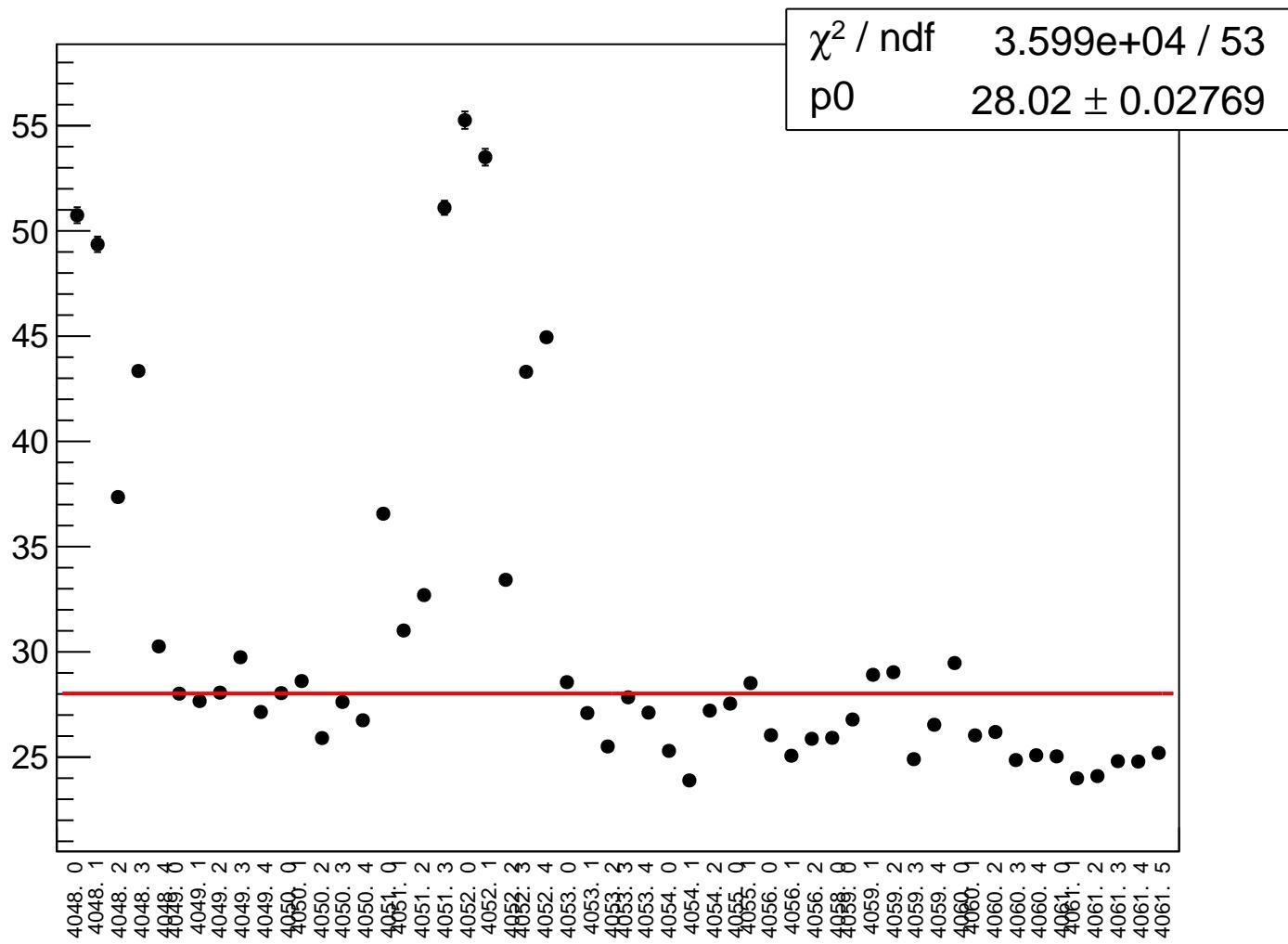
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_rms vs run



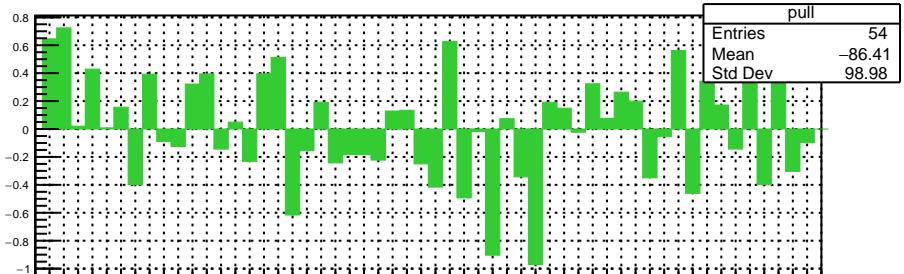
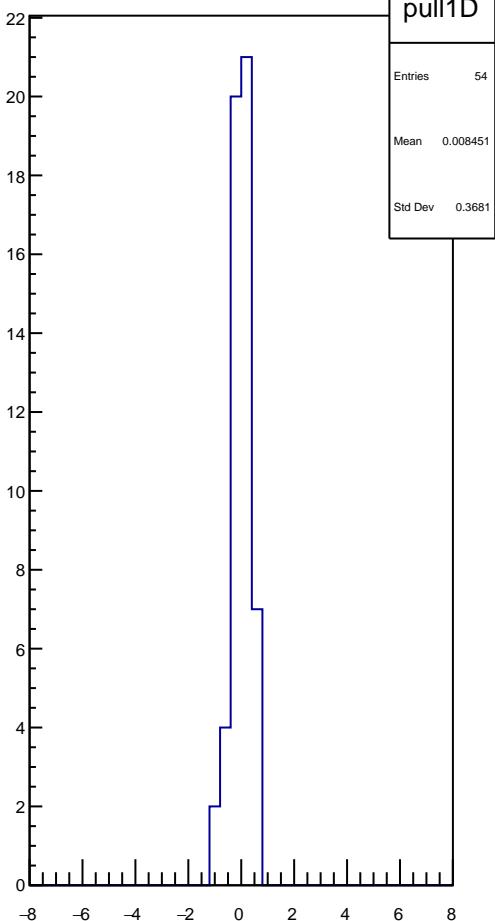
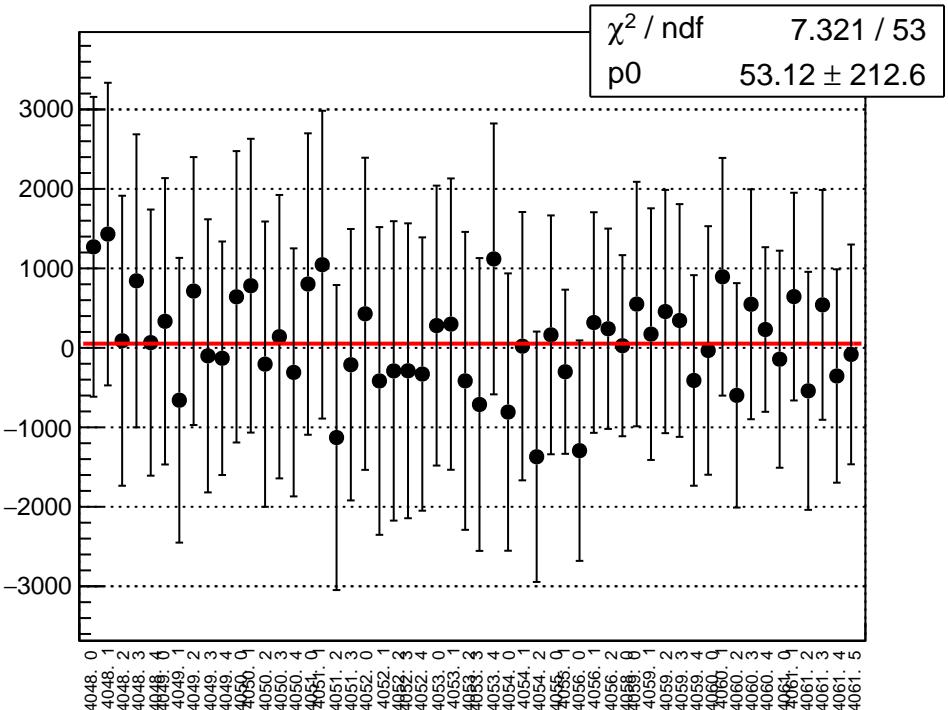
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_mean vs run



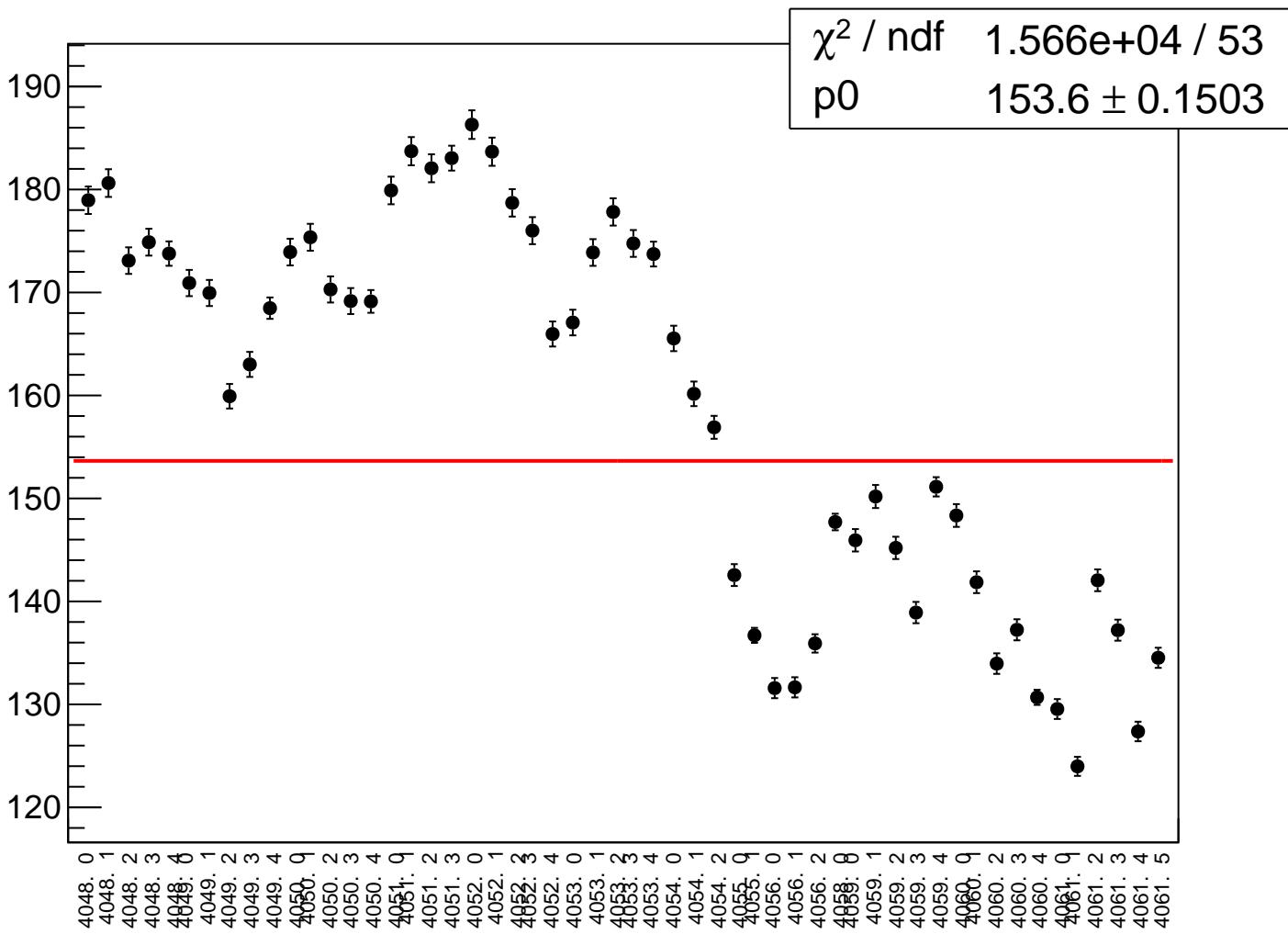
# asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_rms vs run



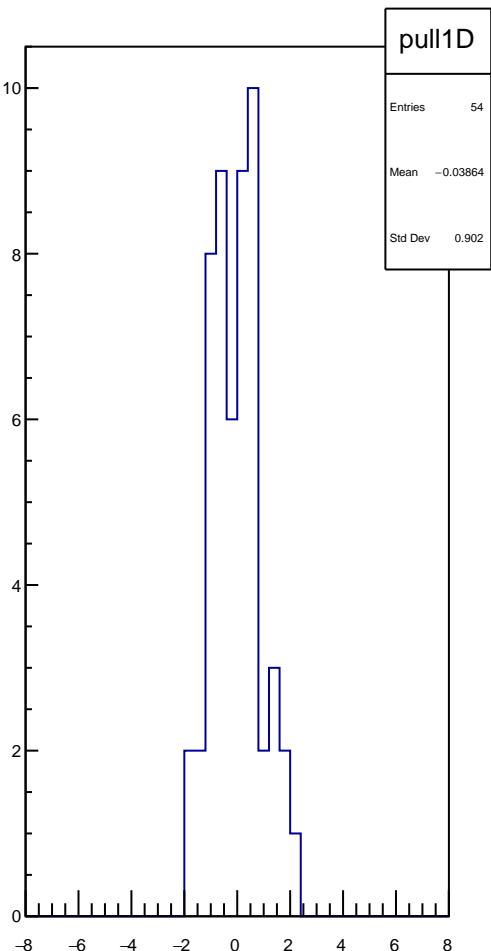
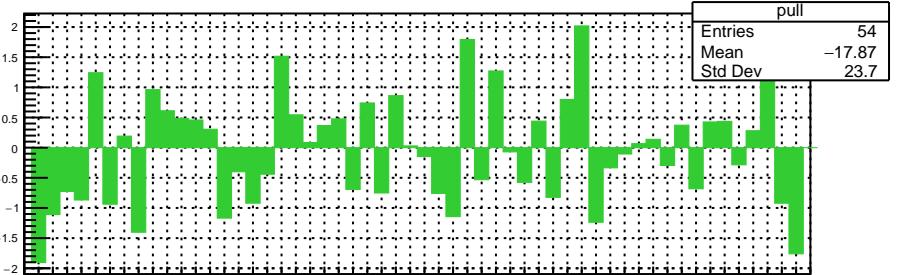
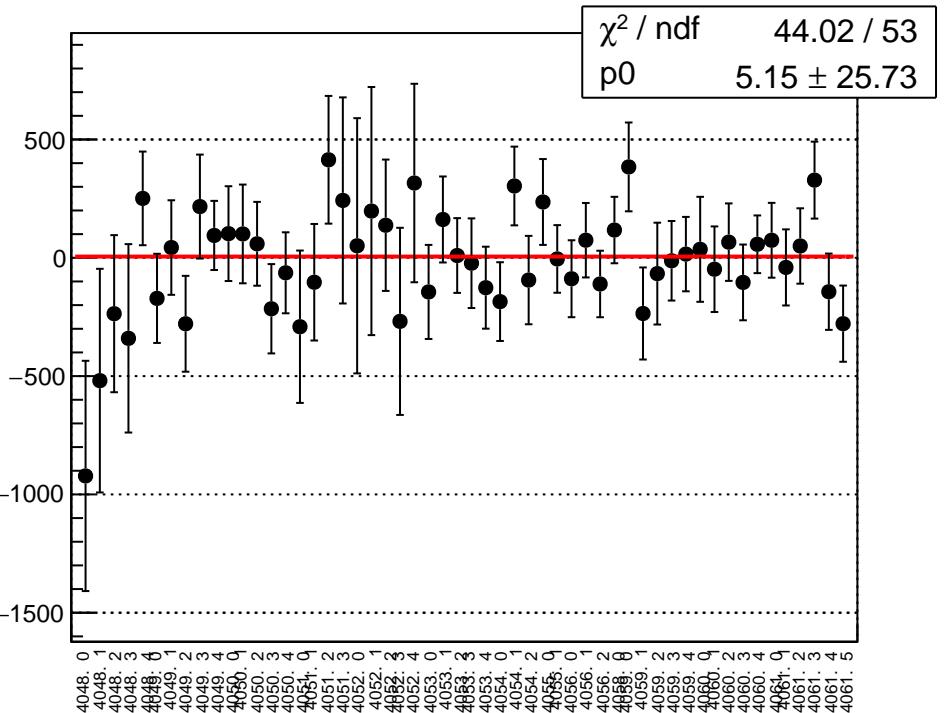
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_mean vs run



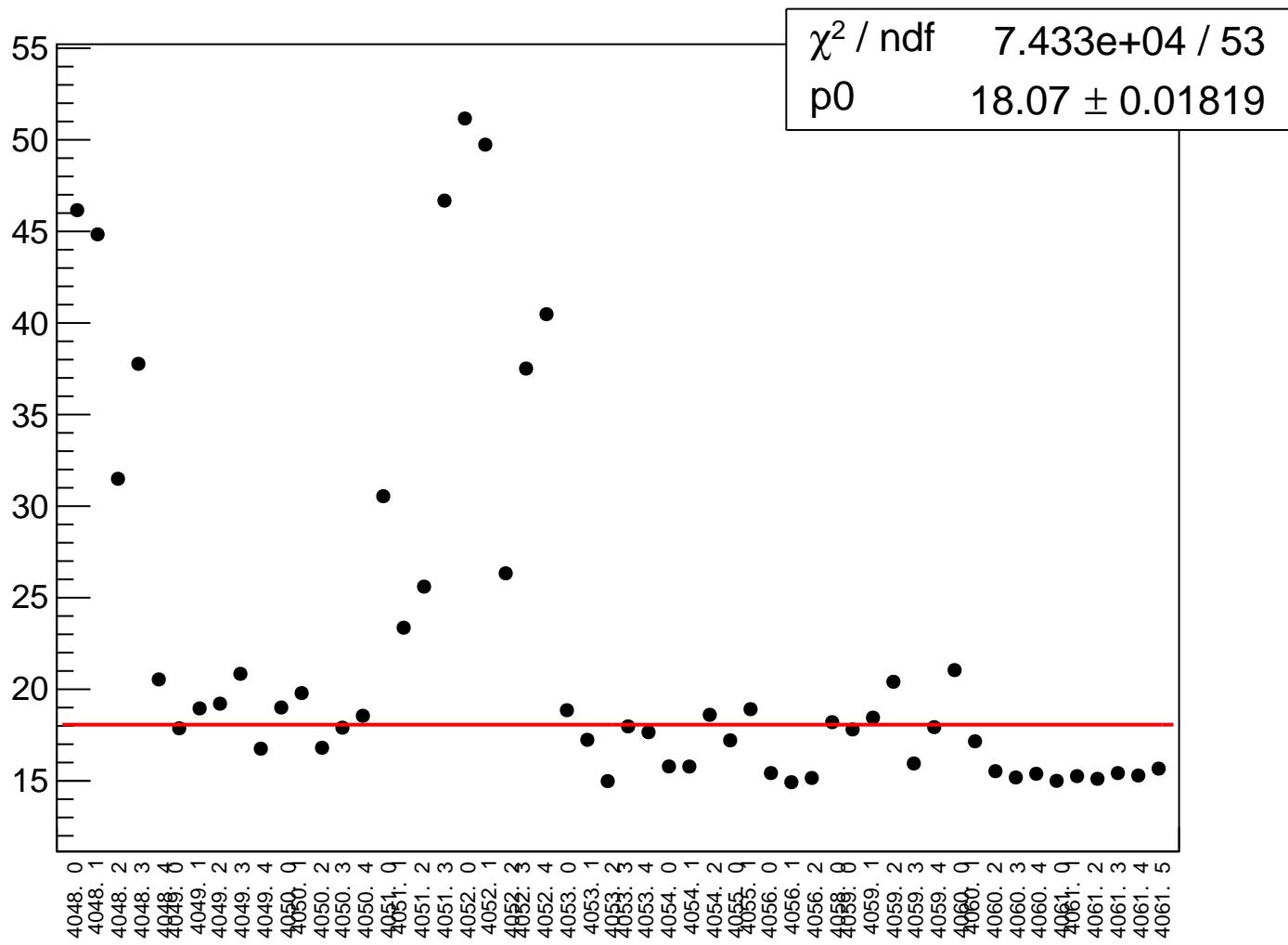
# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_rms vs run



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

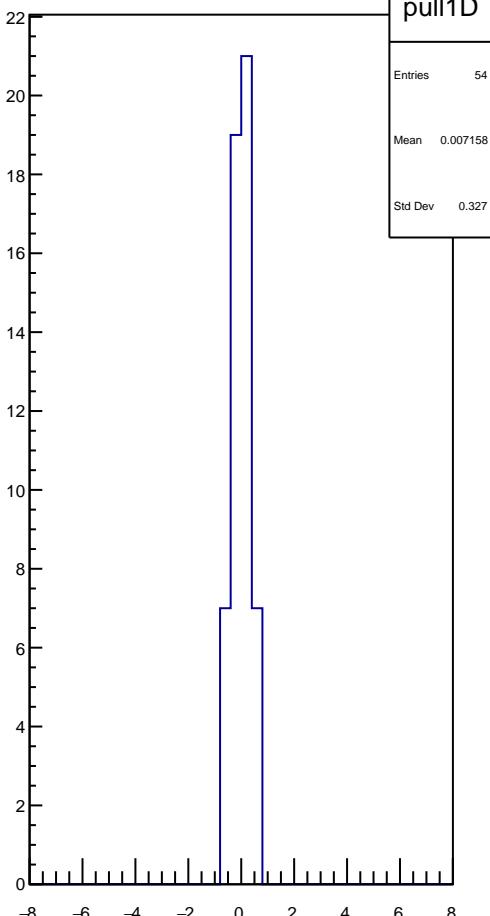
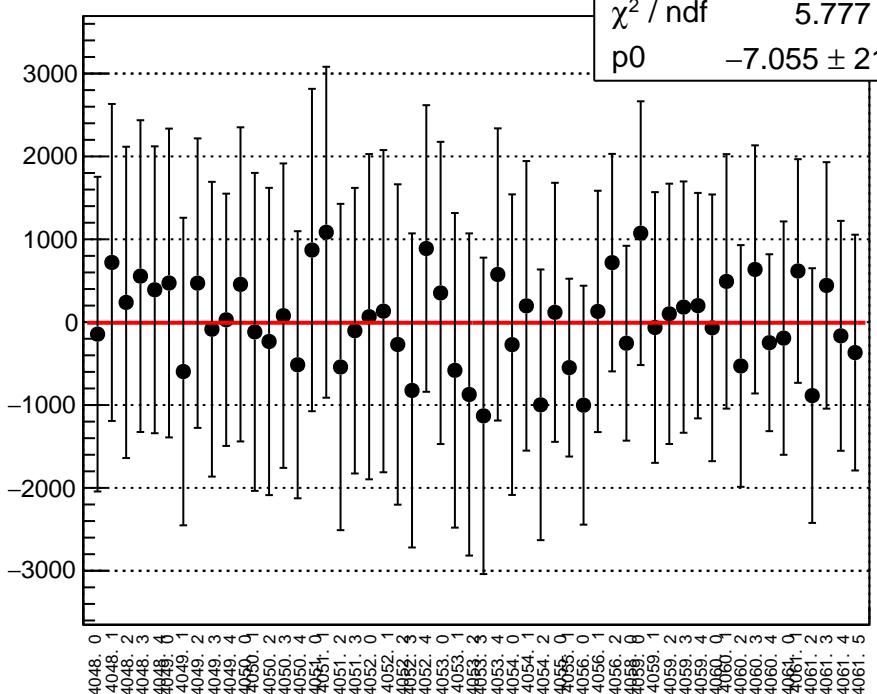


# asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_rms vs run

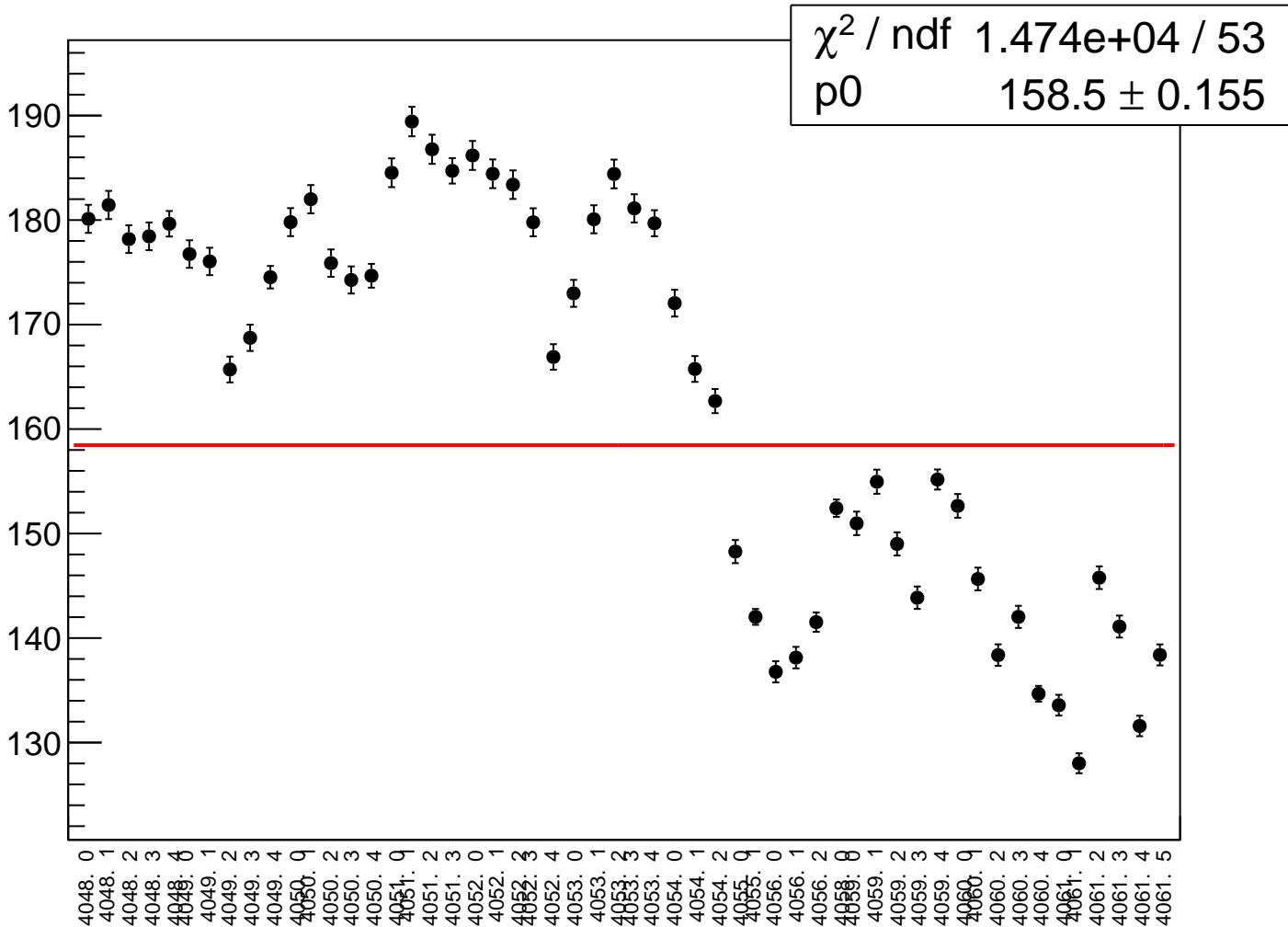


asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_mean vs run

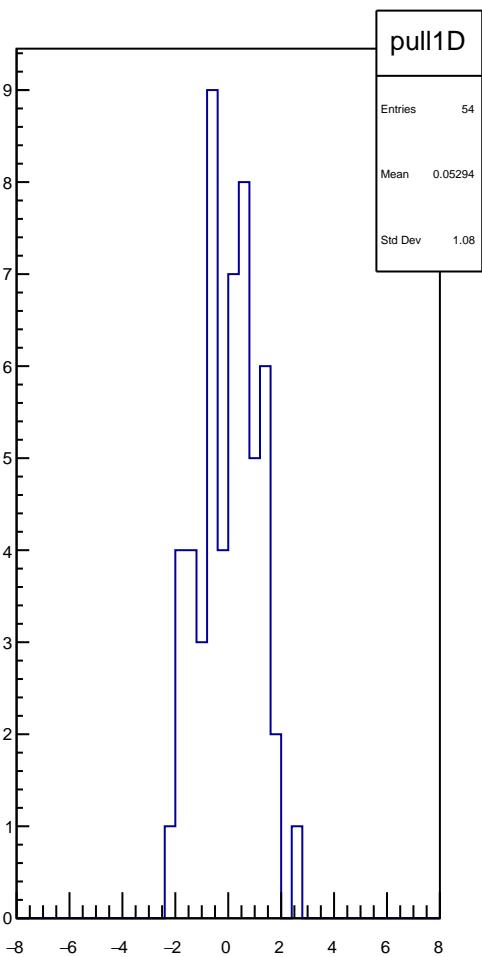
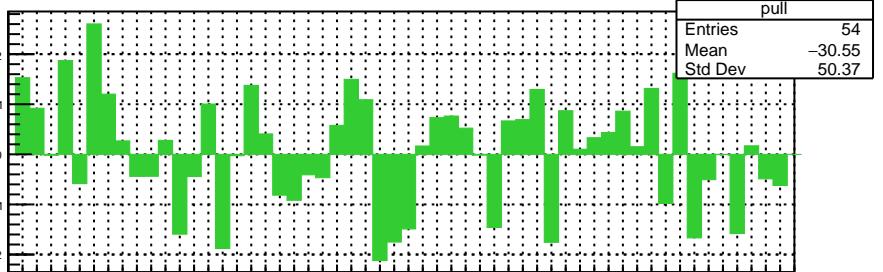
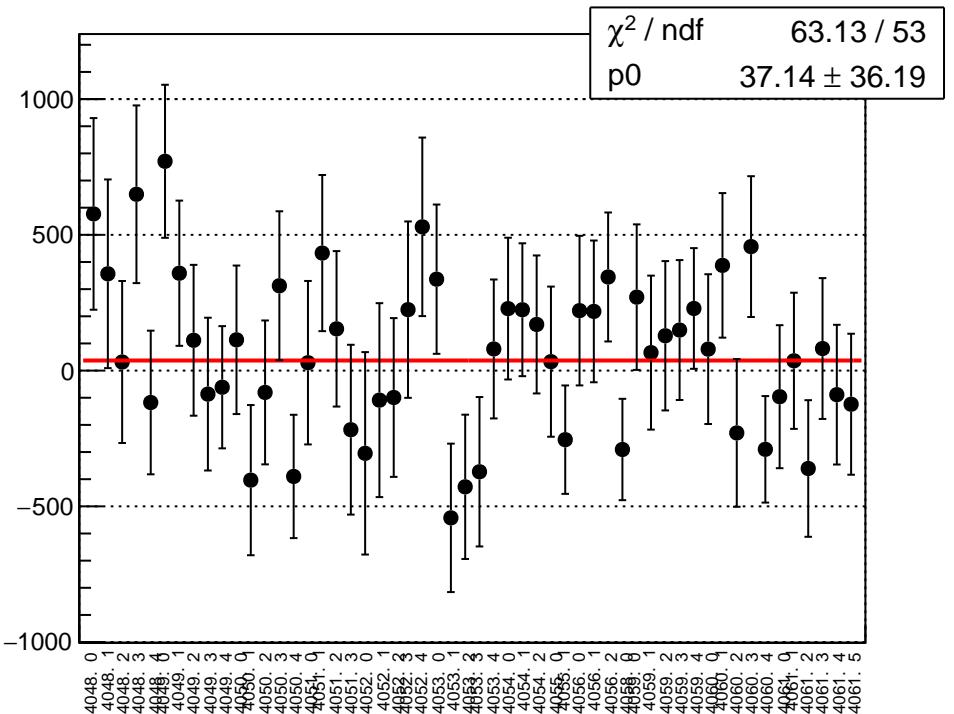
$\chi^2 / \text{ndf}$  5.777 / 53  
p0  $-7.055 \pm 219.2$



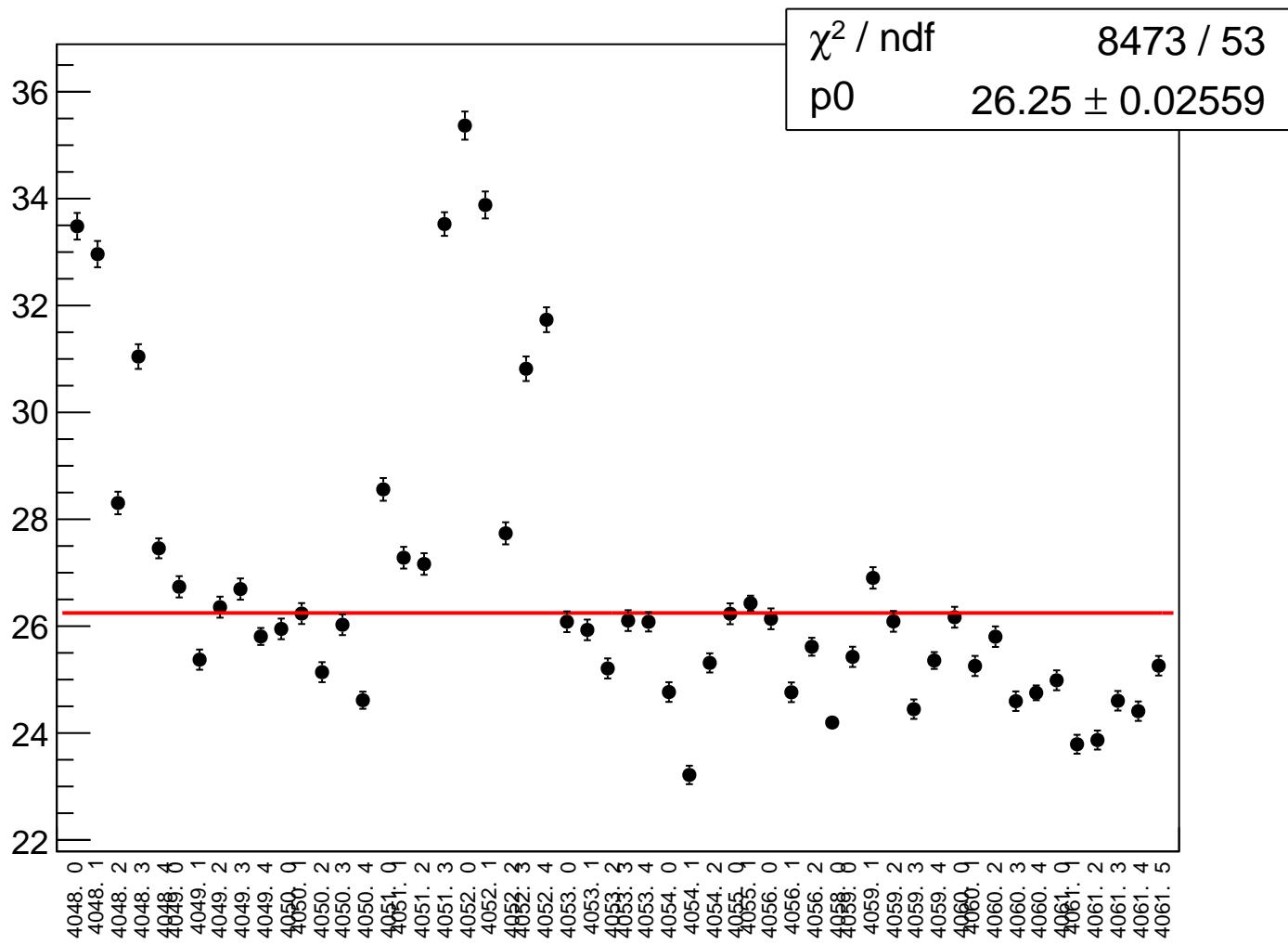
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_rms vs run



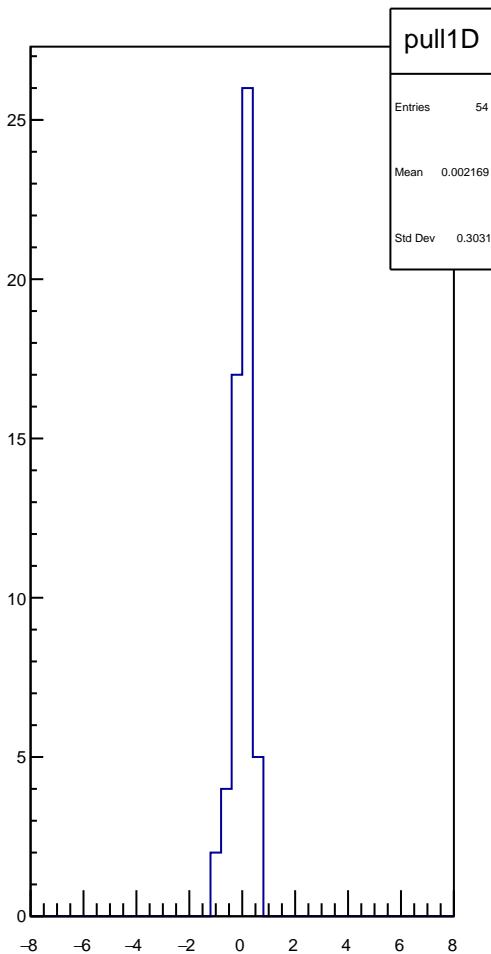
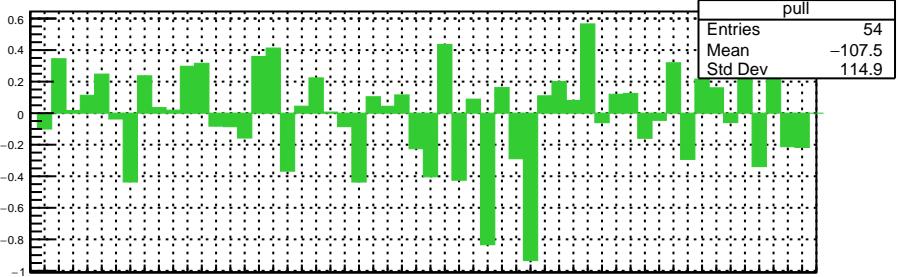
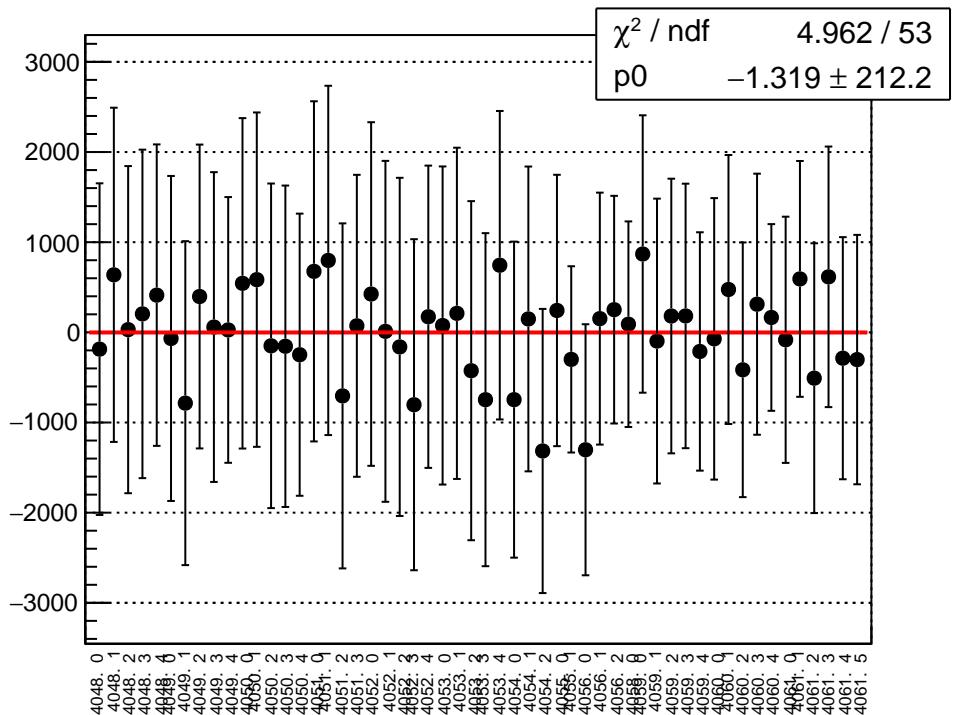
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_mean vs run



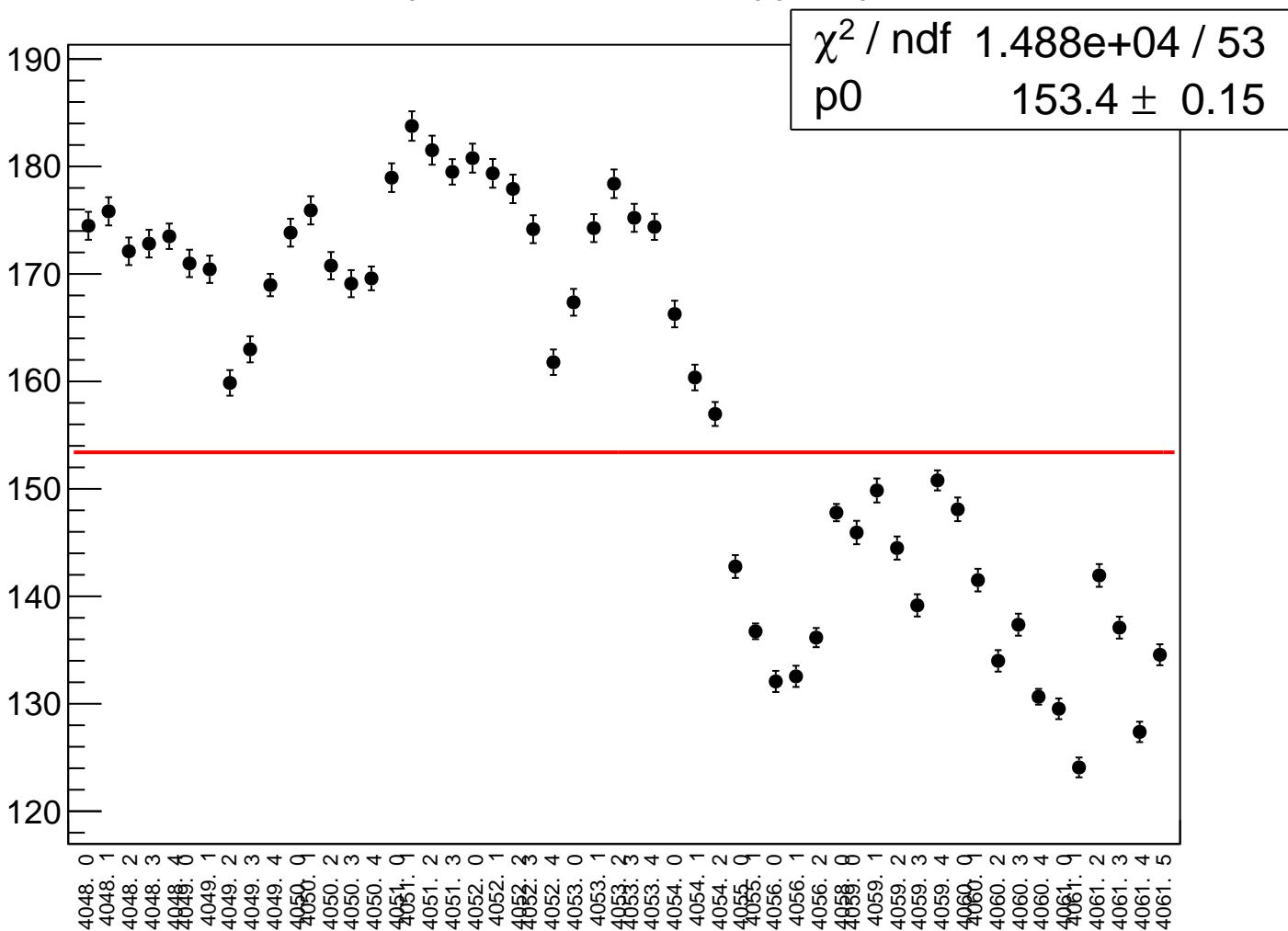
# asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_rms vs run



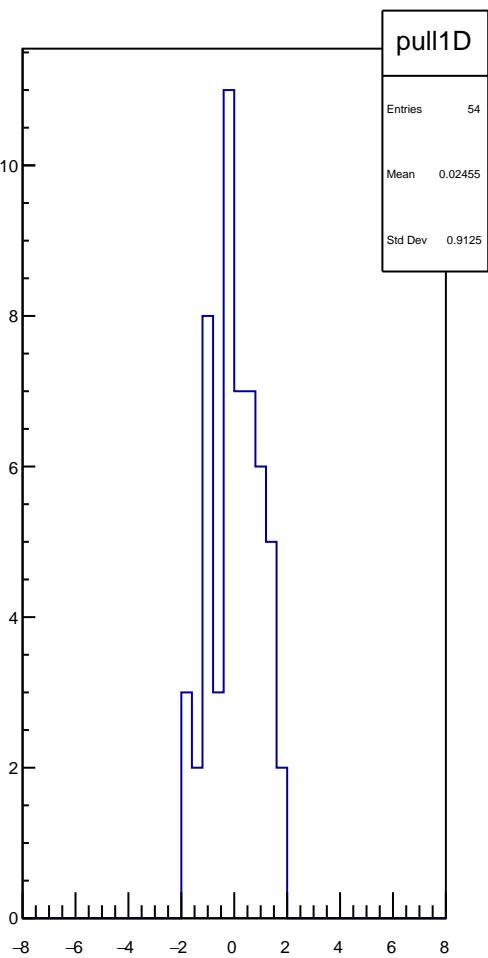
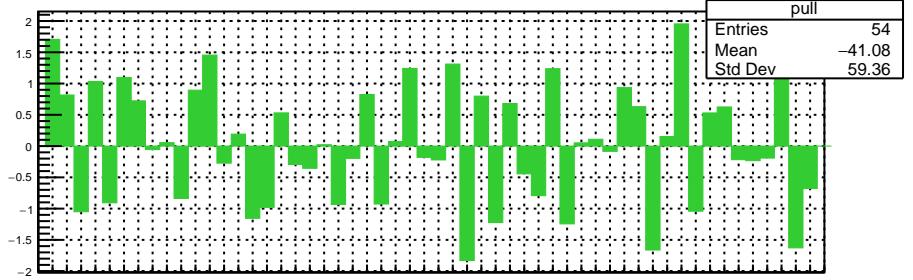
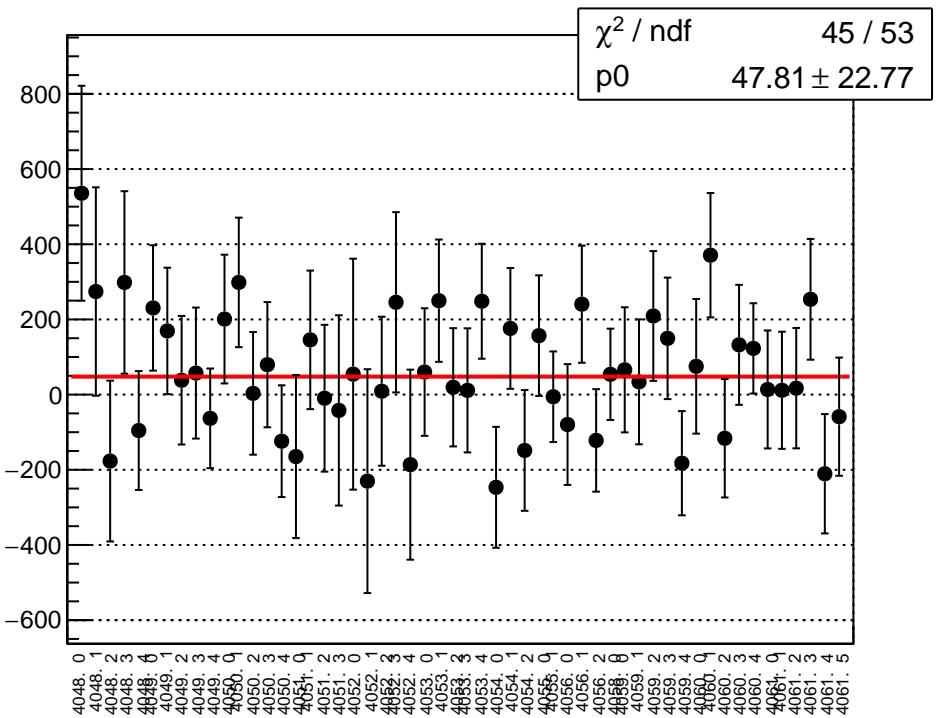
### asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_mean vs run



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

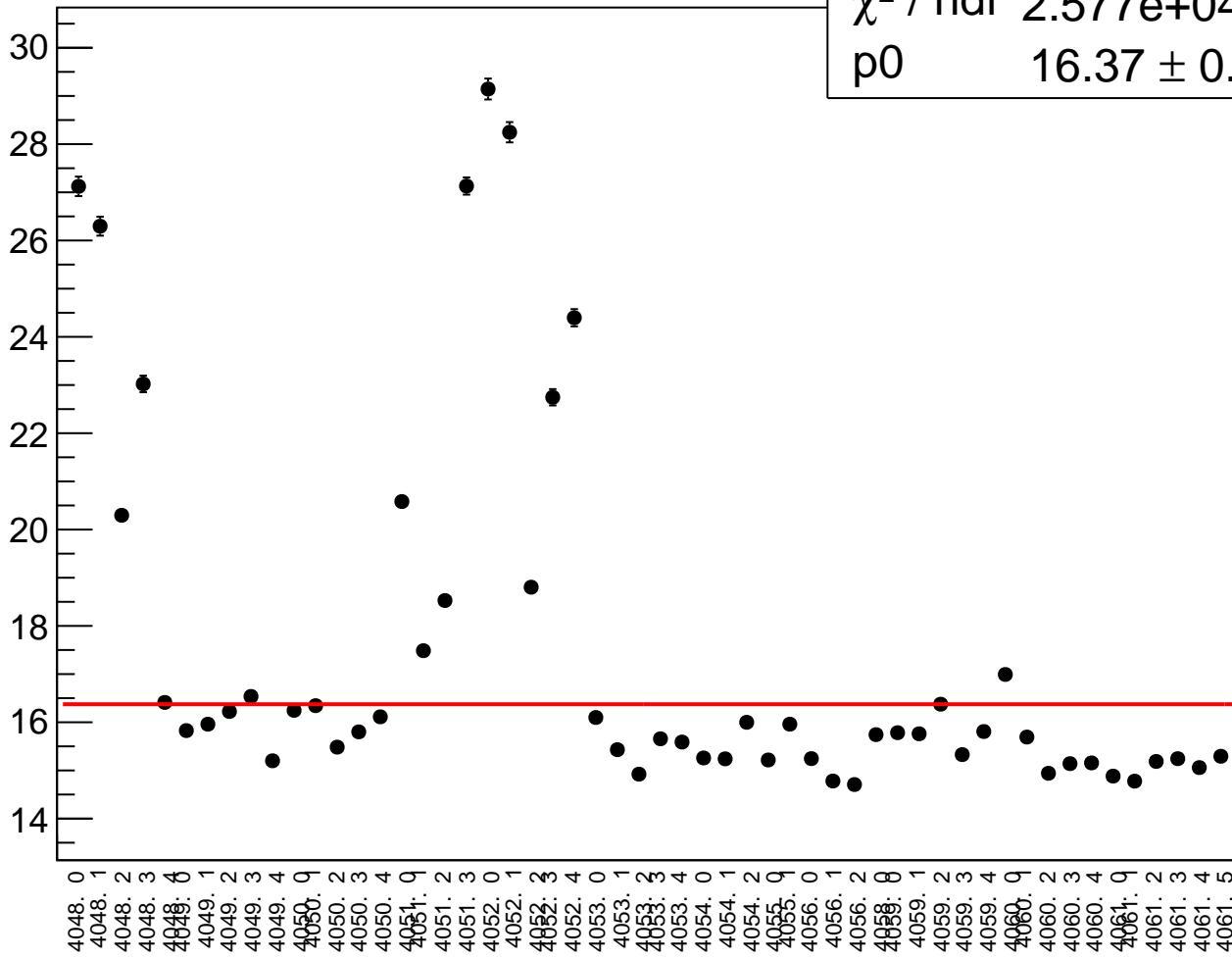


# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_mean vs run



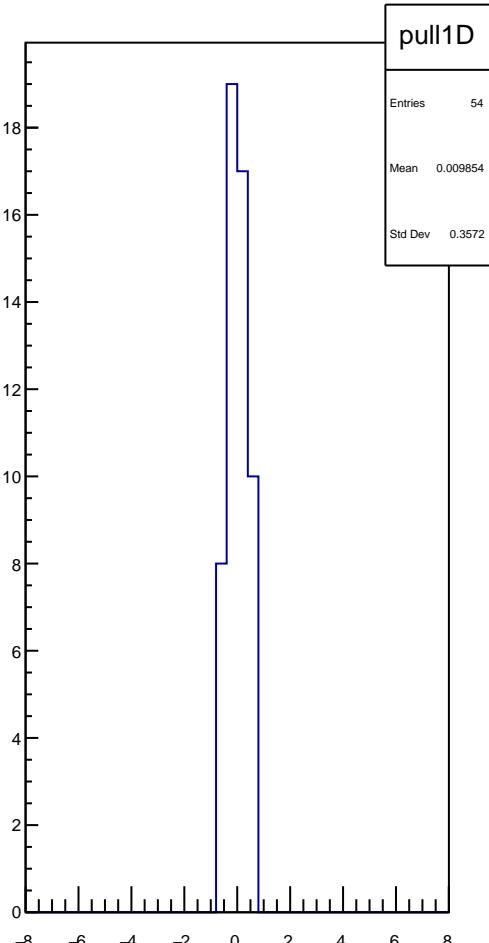
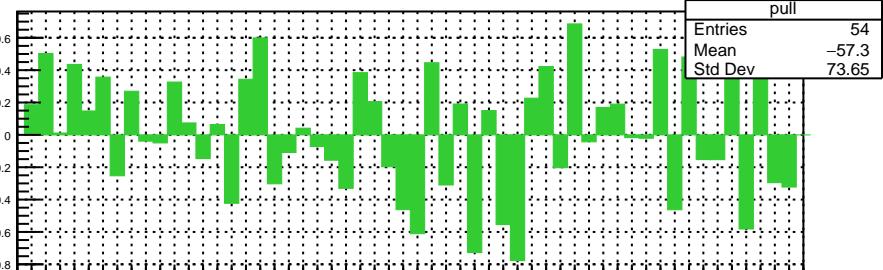
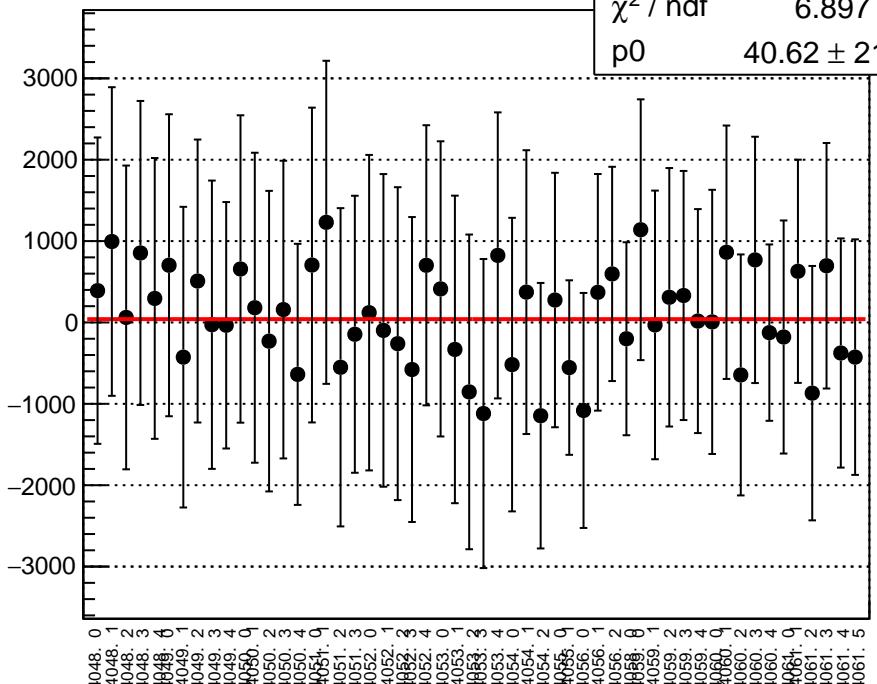
# asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_rms vs run

$\chi^2 / \text{ndf}$   $2.577\text{e+}04 / 53$   
p0  $16.37 \pm 0.0161$

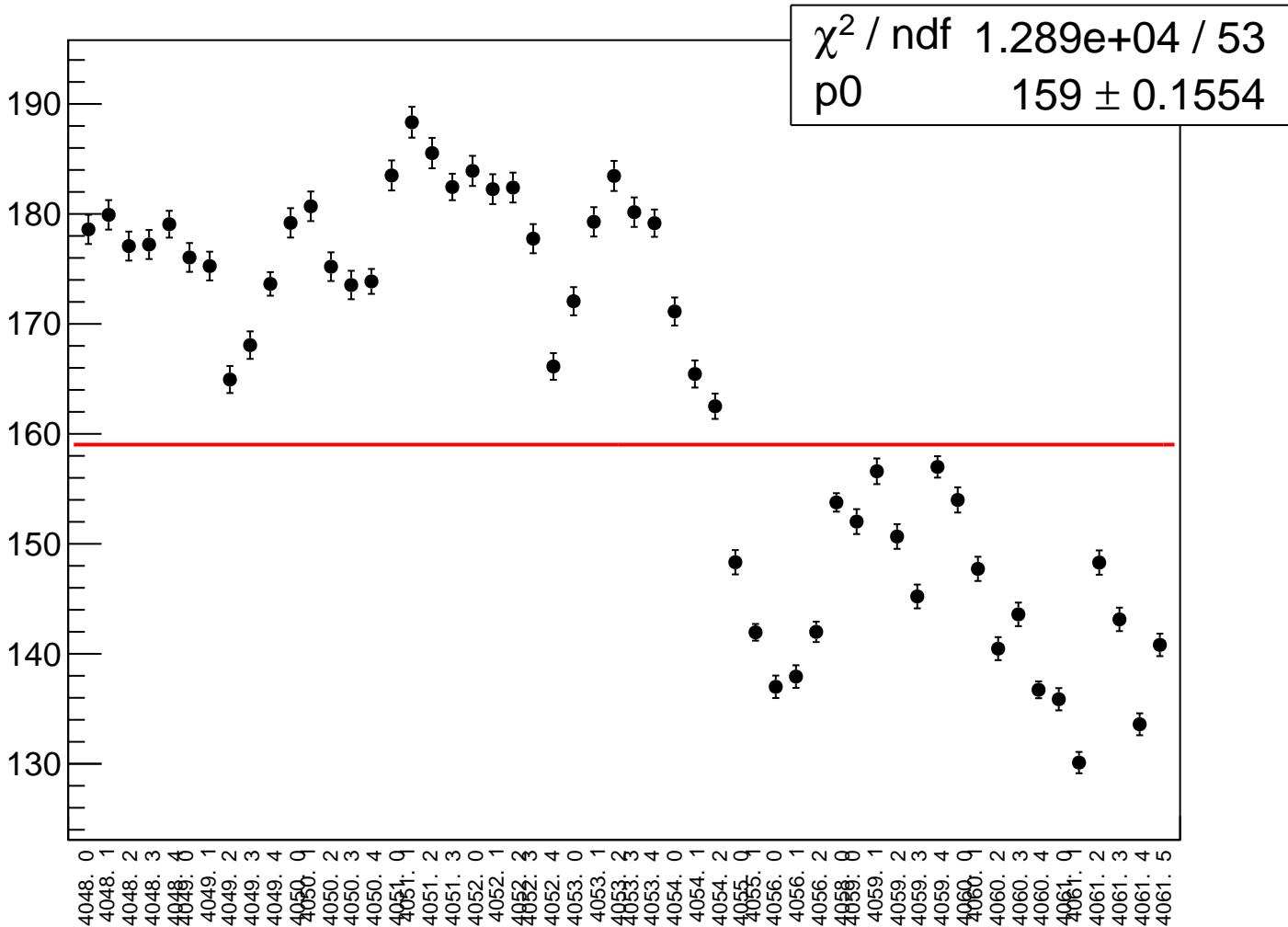


asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_mean vs run

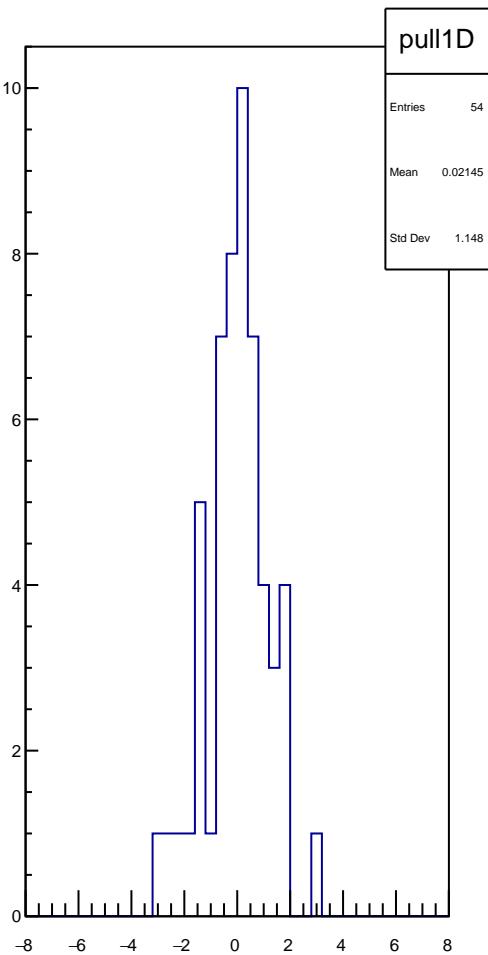
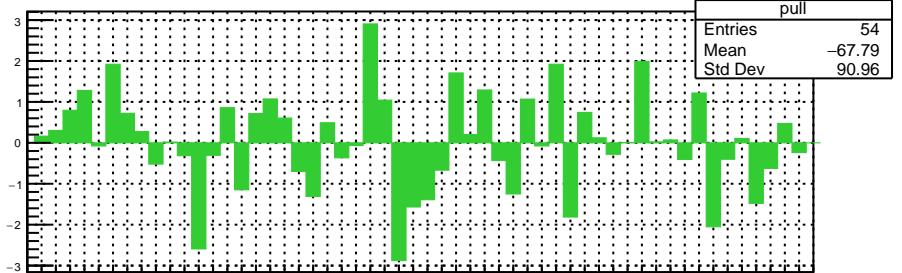
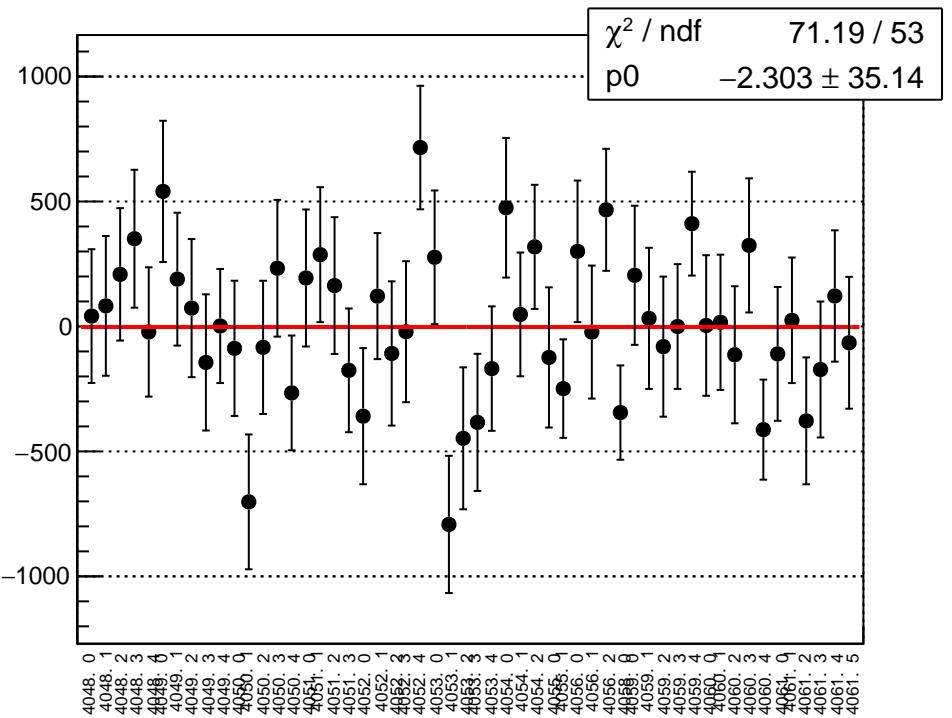
$\chi^2 / \text{ndf}$  6.897 / 53  
p0  $40.62 \pm 219.7$



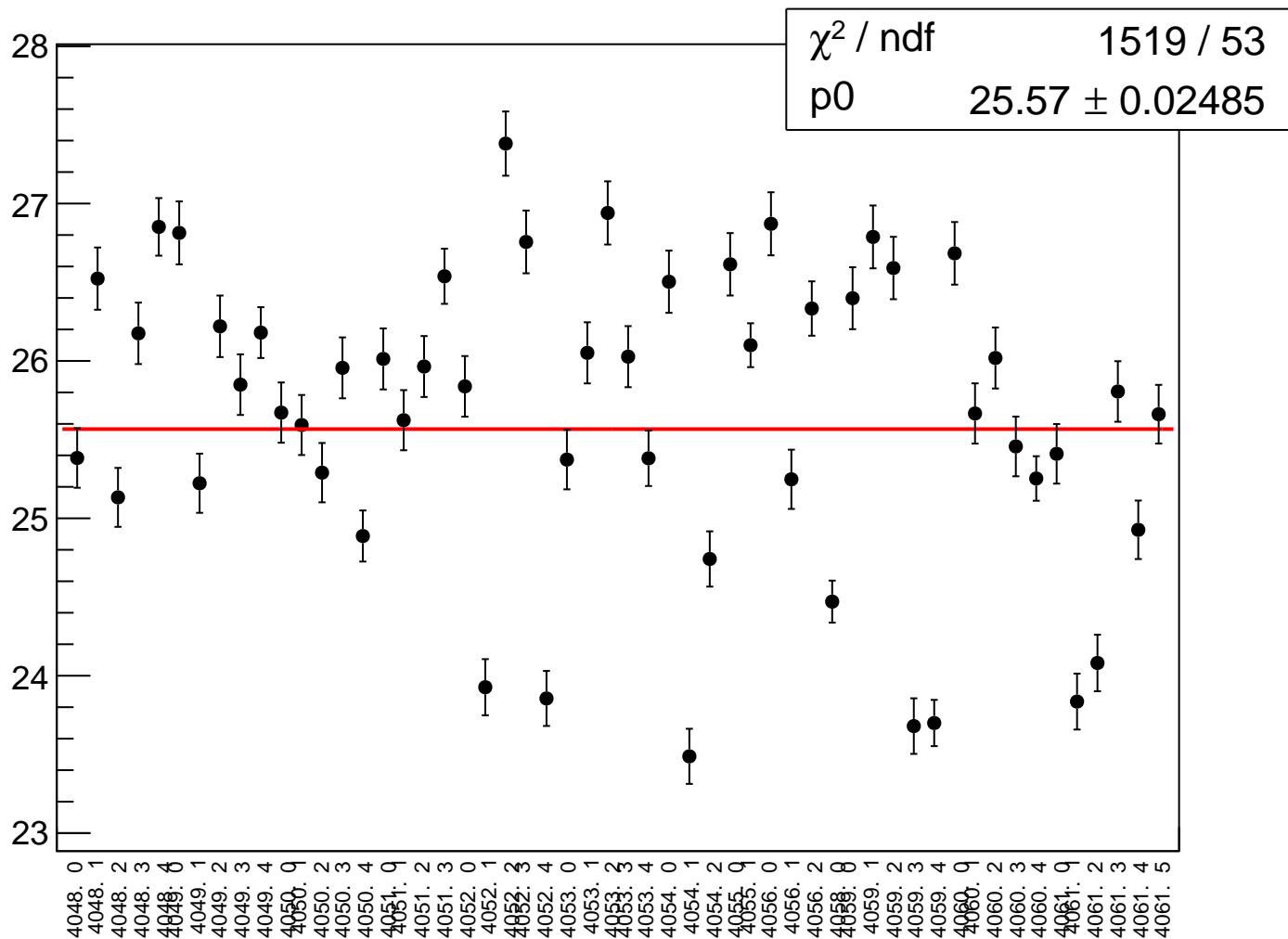
# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_rms vs run



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

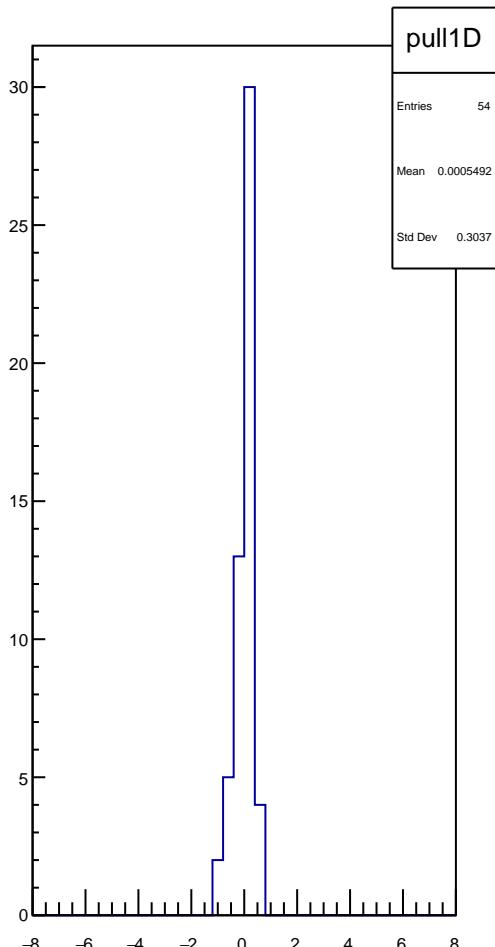
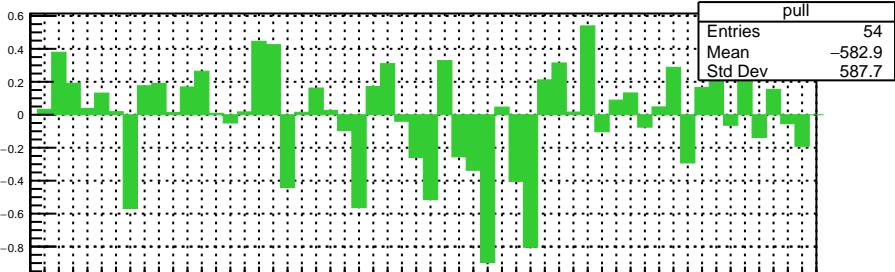
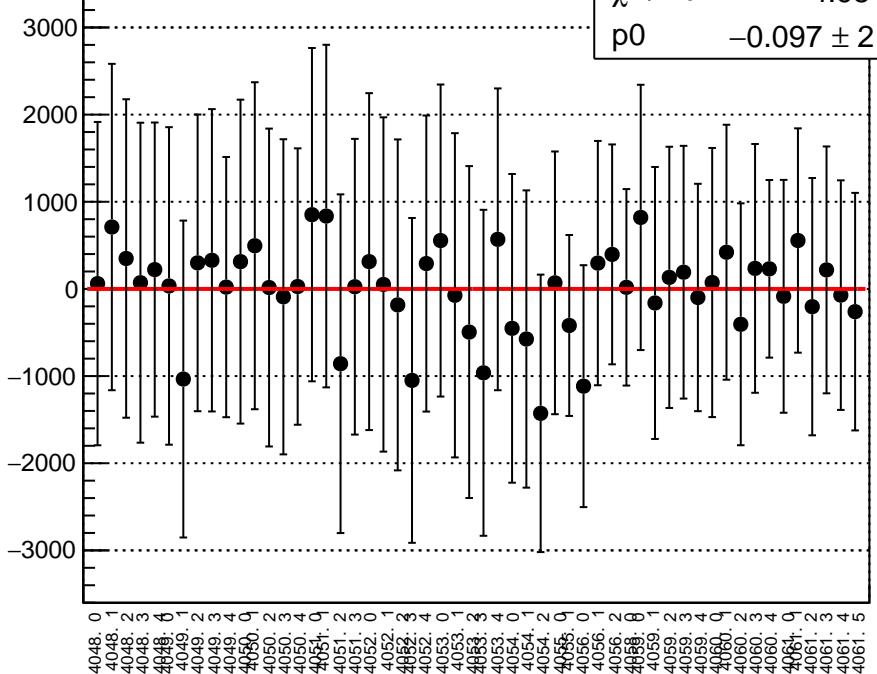


# asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_rms vs run



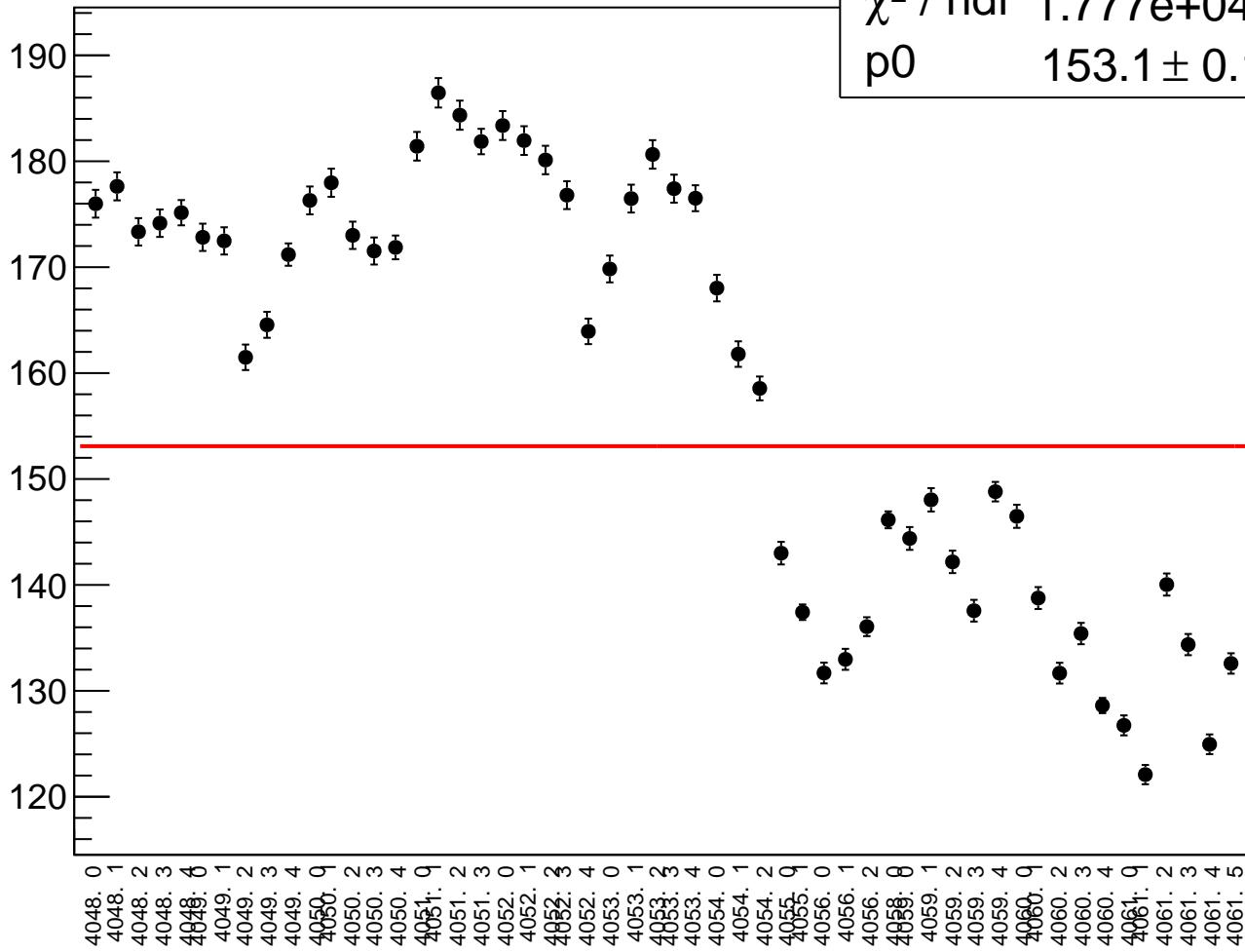
### asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_avg\_mean vs run

$\chi^2 / \text{ndf}$  4.98 / 53  
 $p0$   $-0.097 \pm 212.1$

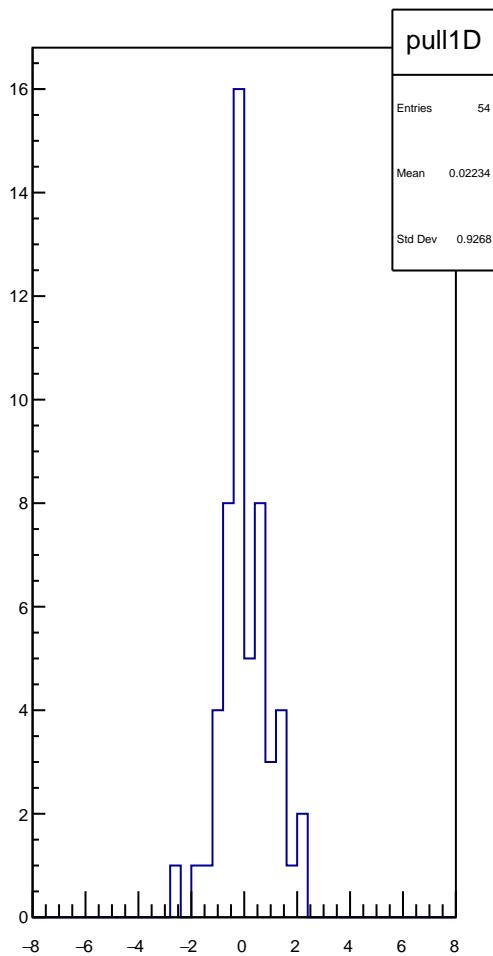
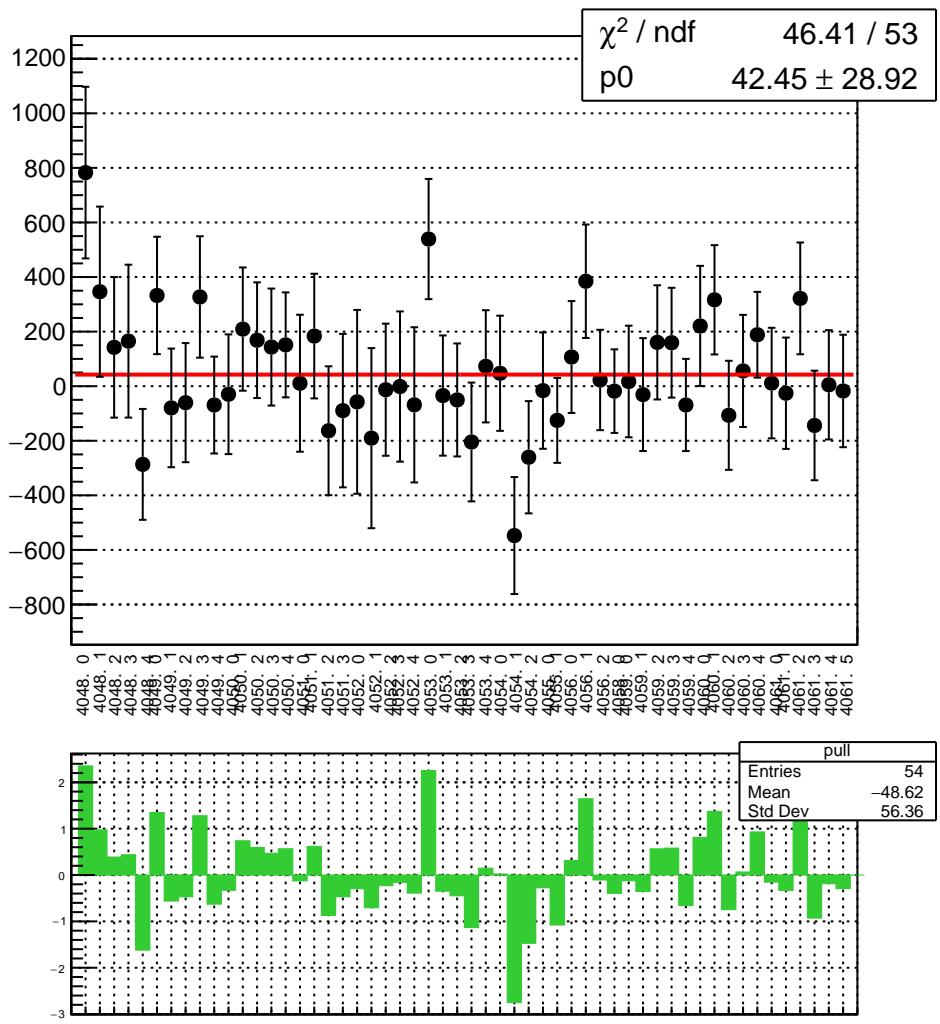


# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_avg\_rms vs run

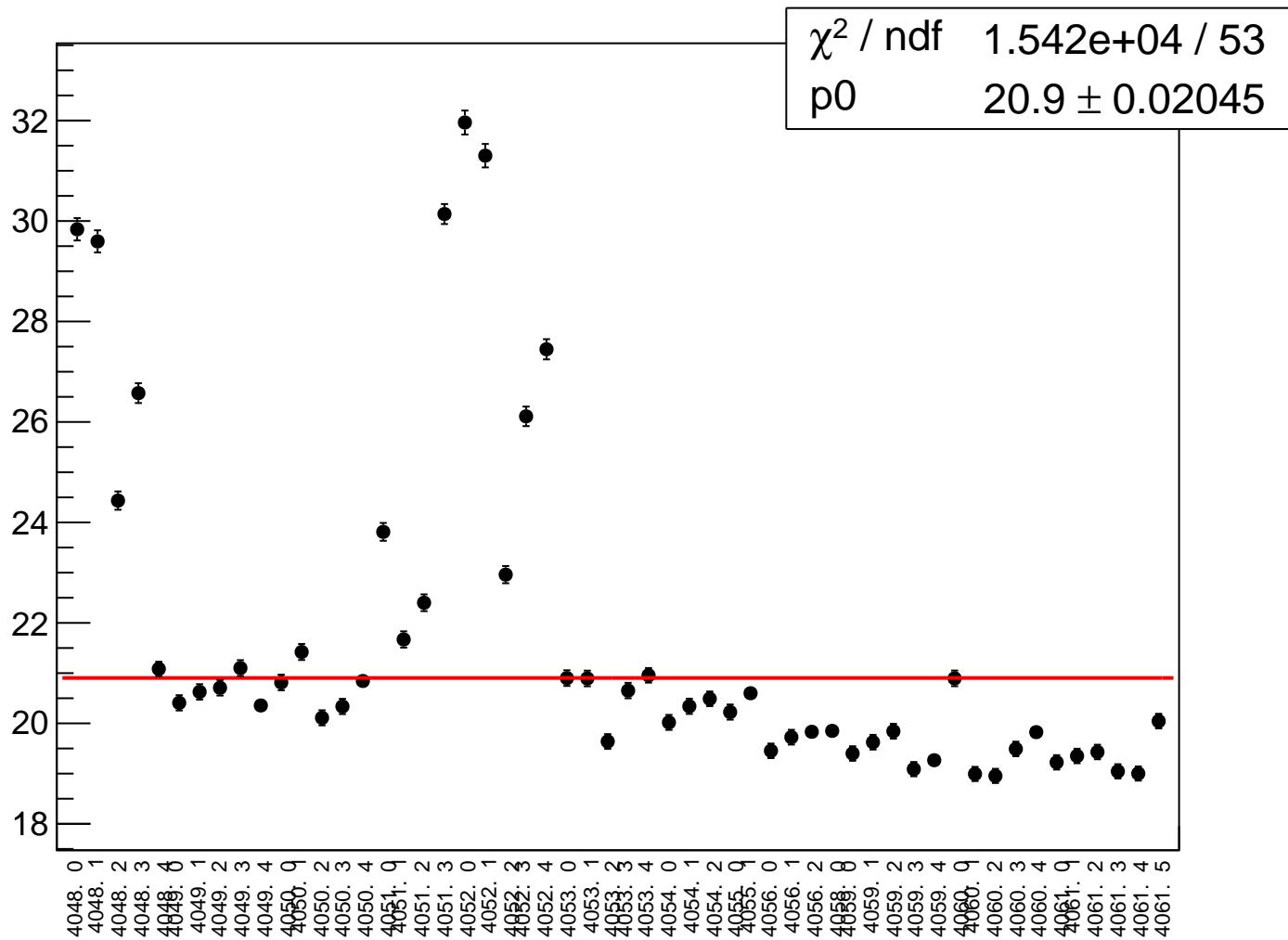
$\chi^2 / \text{ndf}$   $1.777\text{e+}04 / 53$   
p0  $153.1 \pm 0.1499$



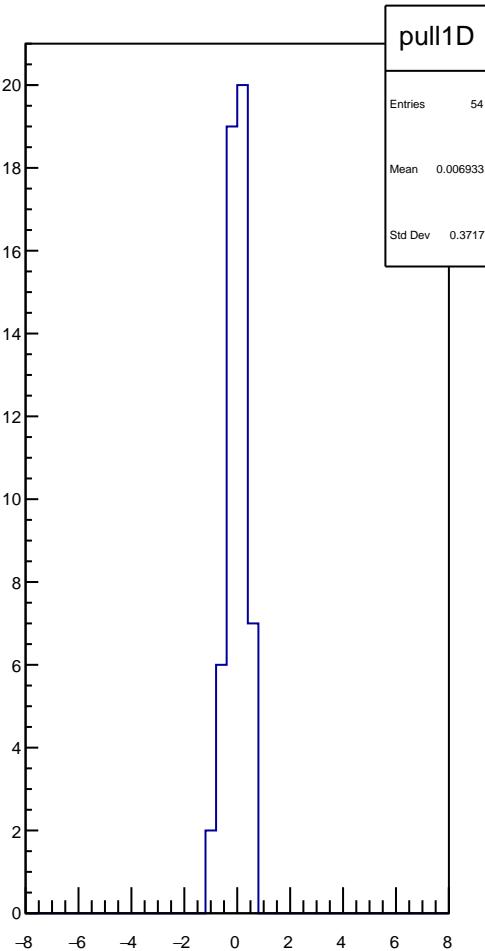
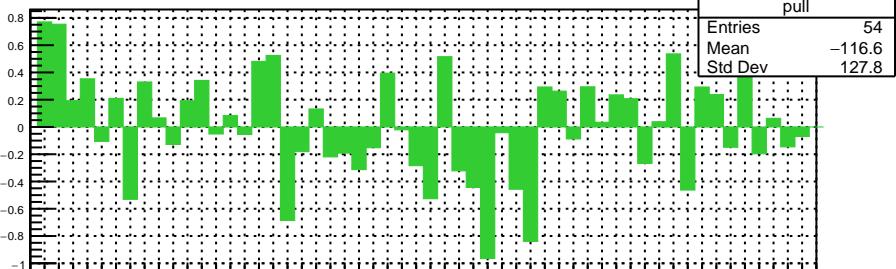
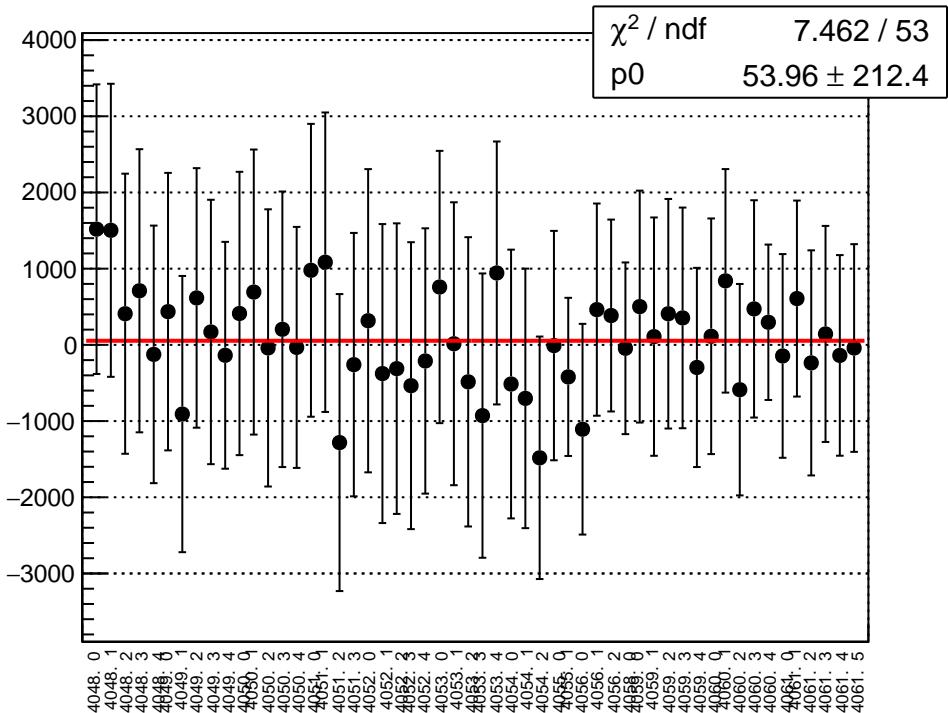
# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_mean vs run



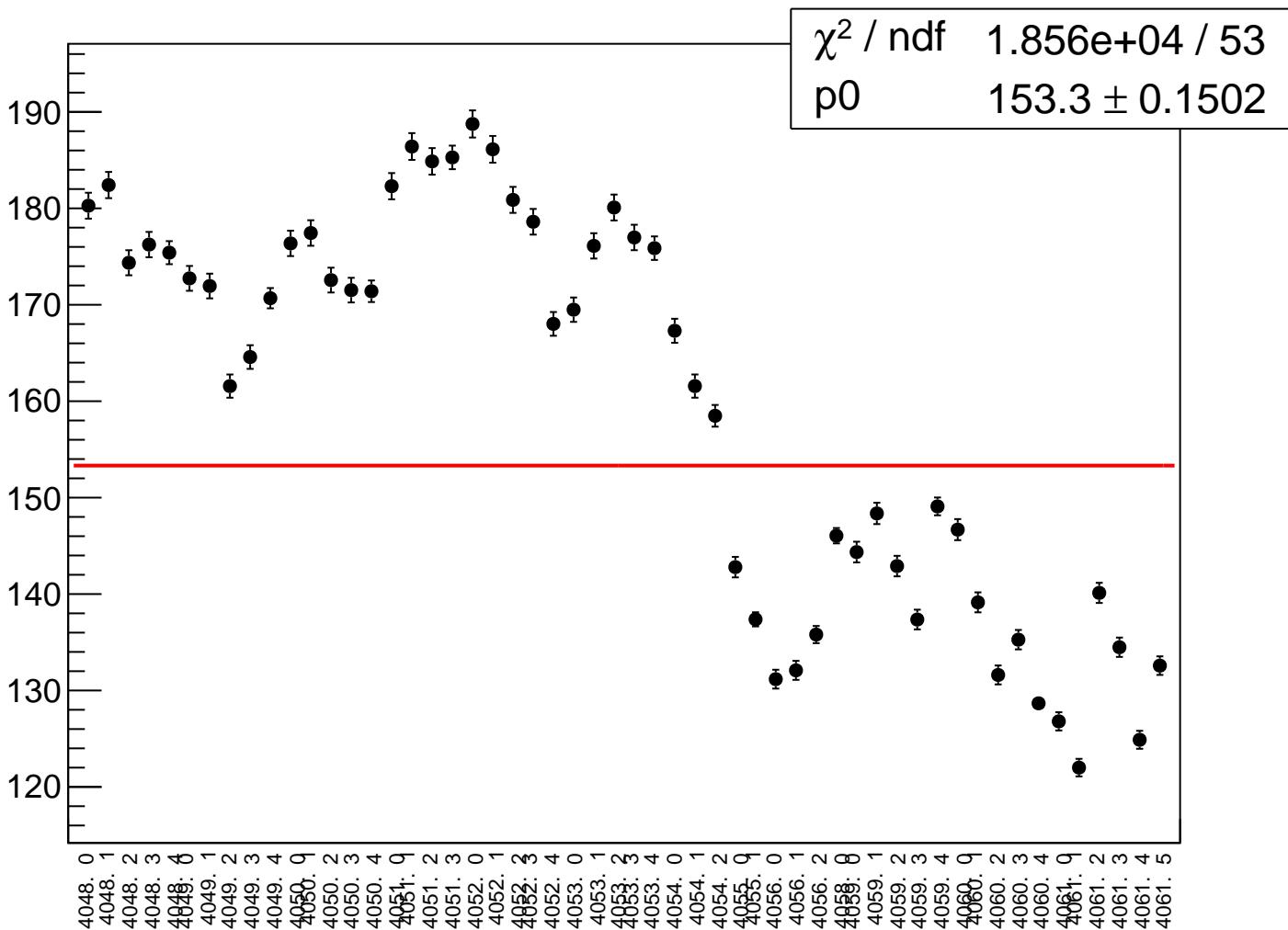
# asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_rms vs run



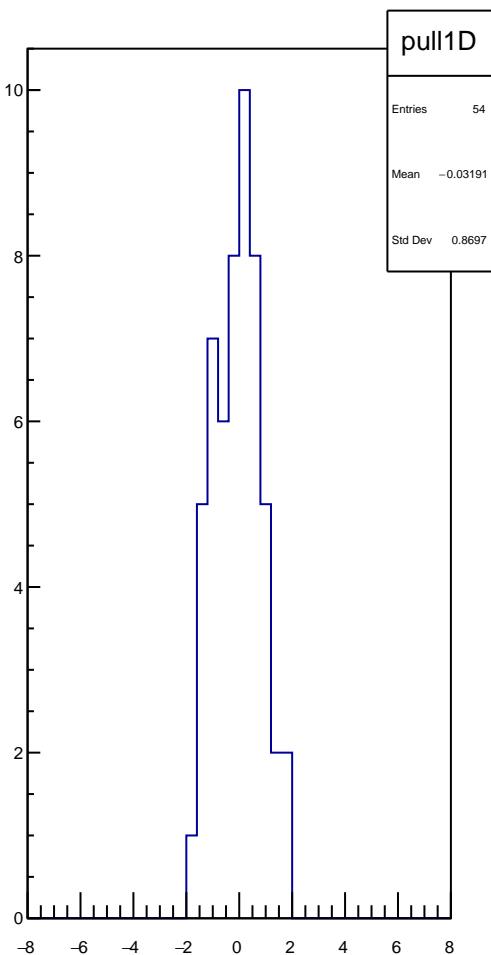
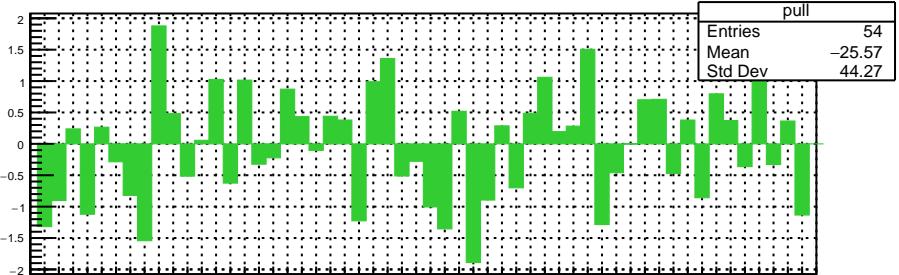
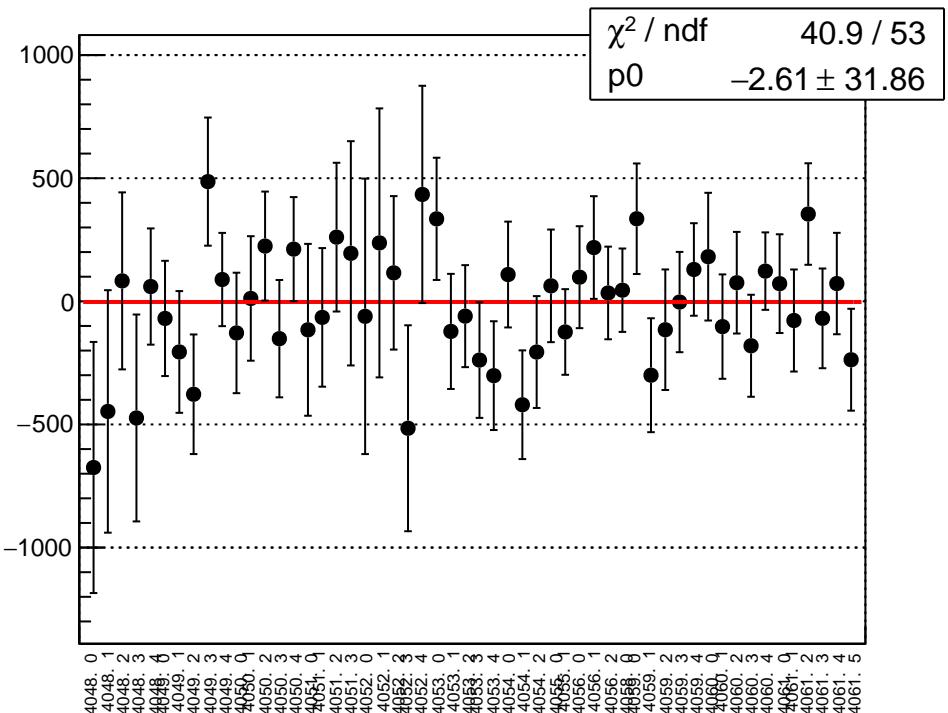
# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_mean vs run



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

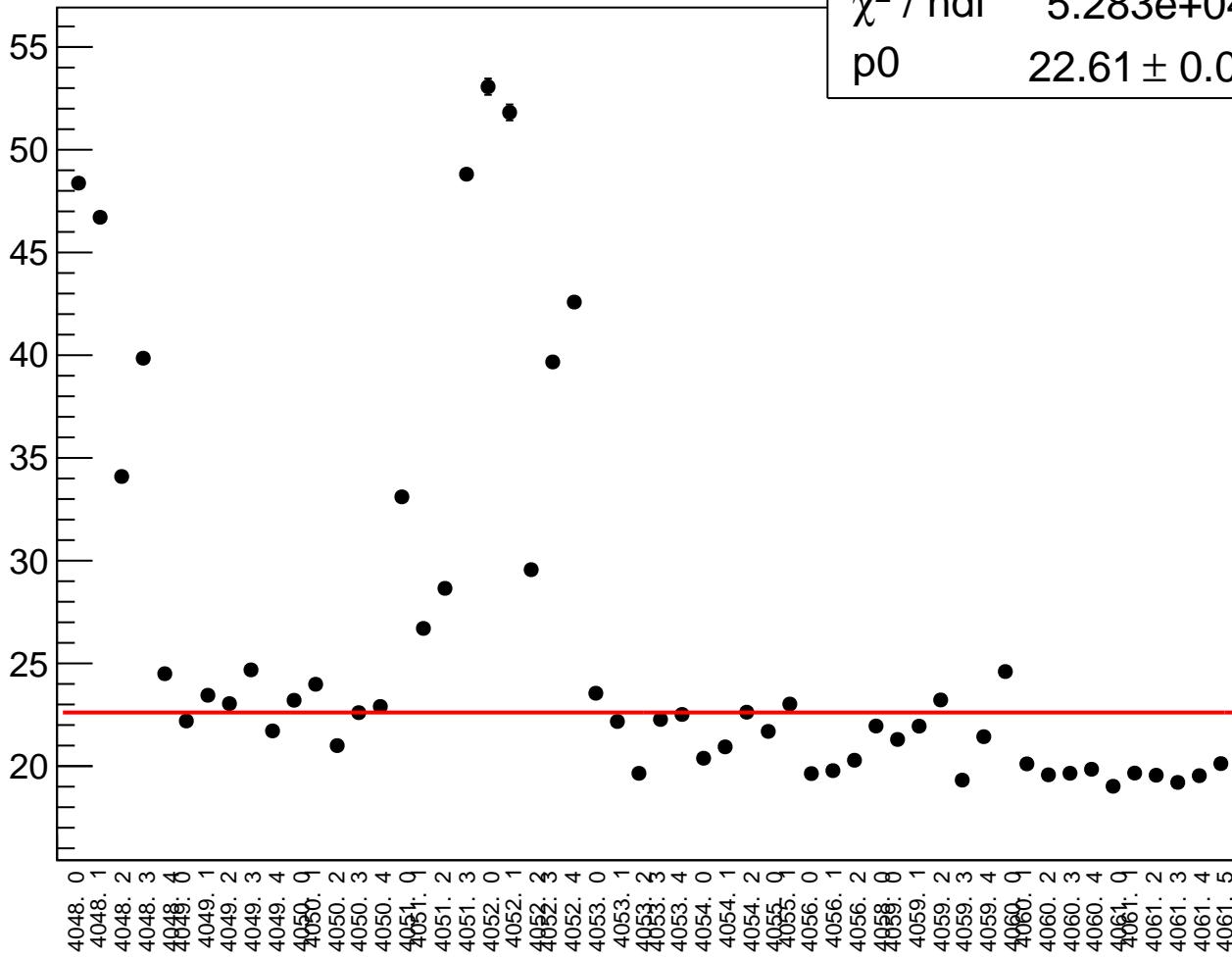


# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_mean vs run

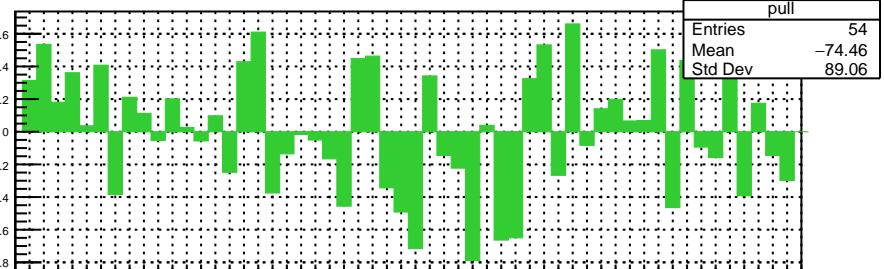
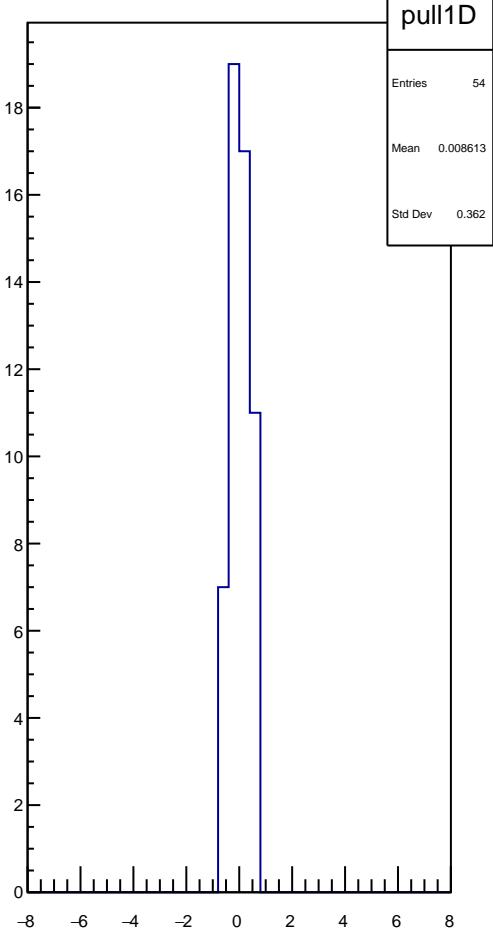
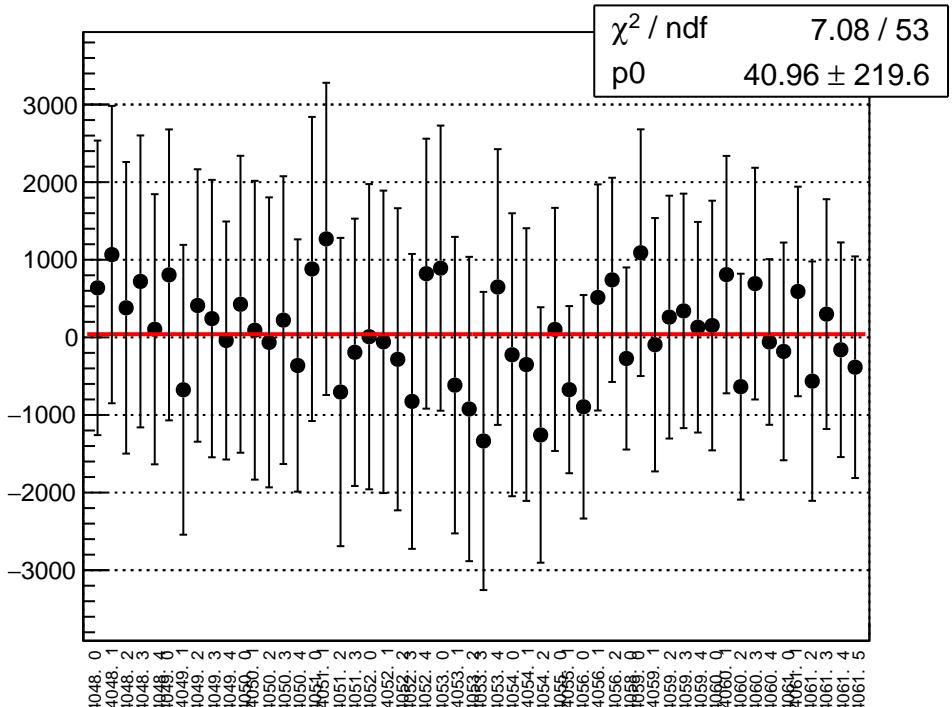


# asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_rms vs run

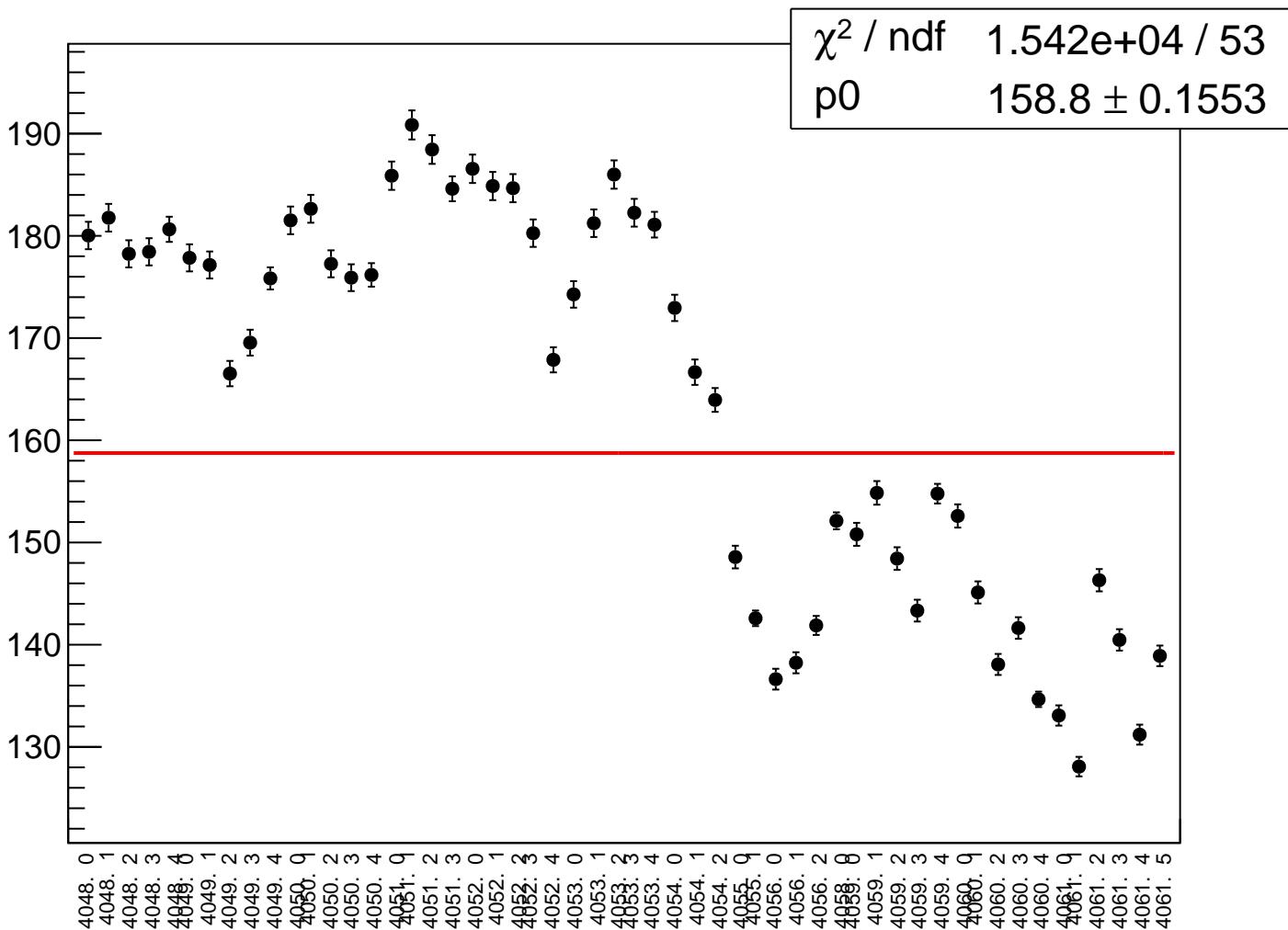
$\chi^2 / \text{ndf}$  5.283e+04 / 53  
p0  $22.61 \pm 0.02253$



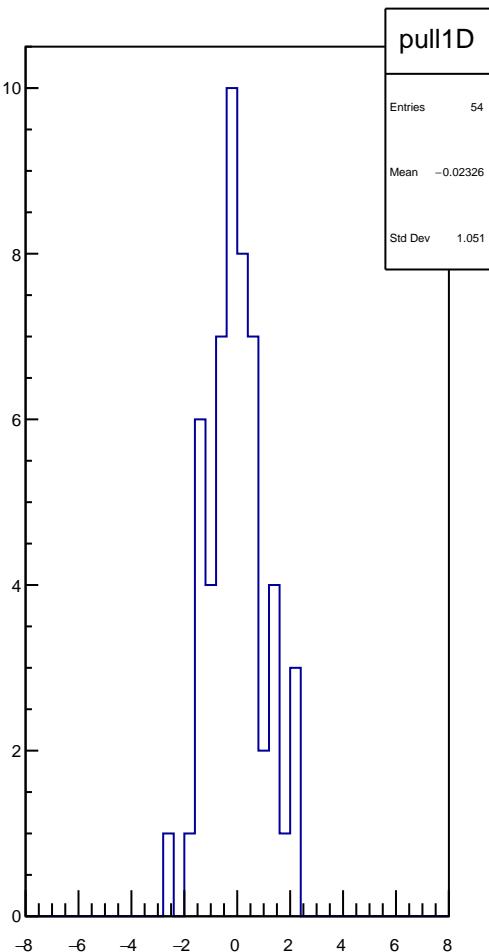
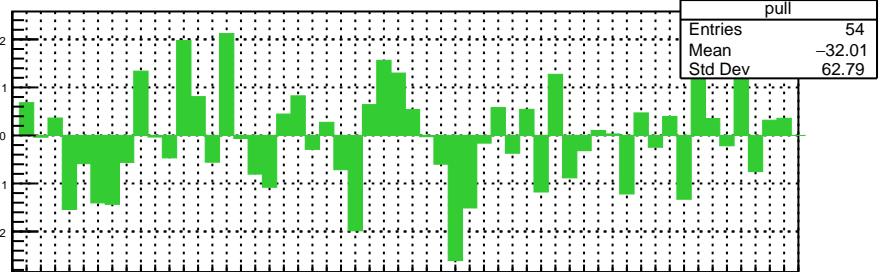
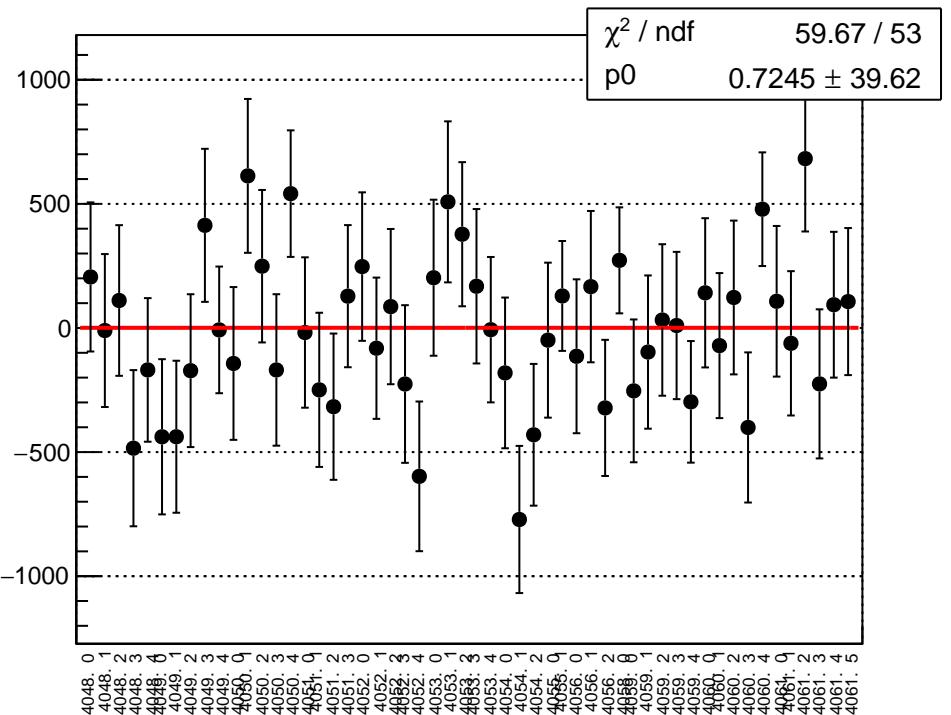
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_mean vs run



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



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



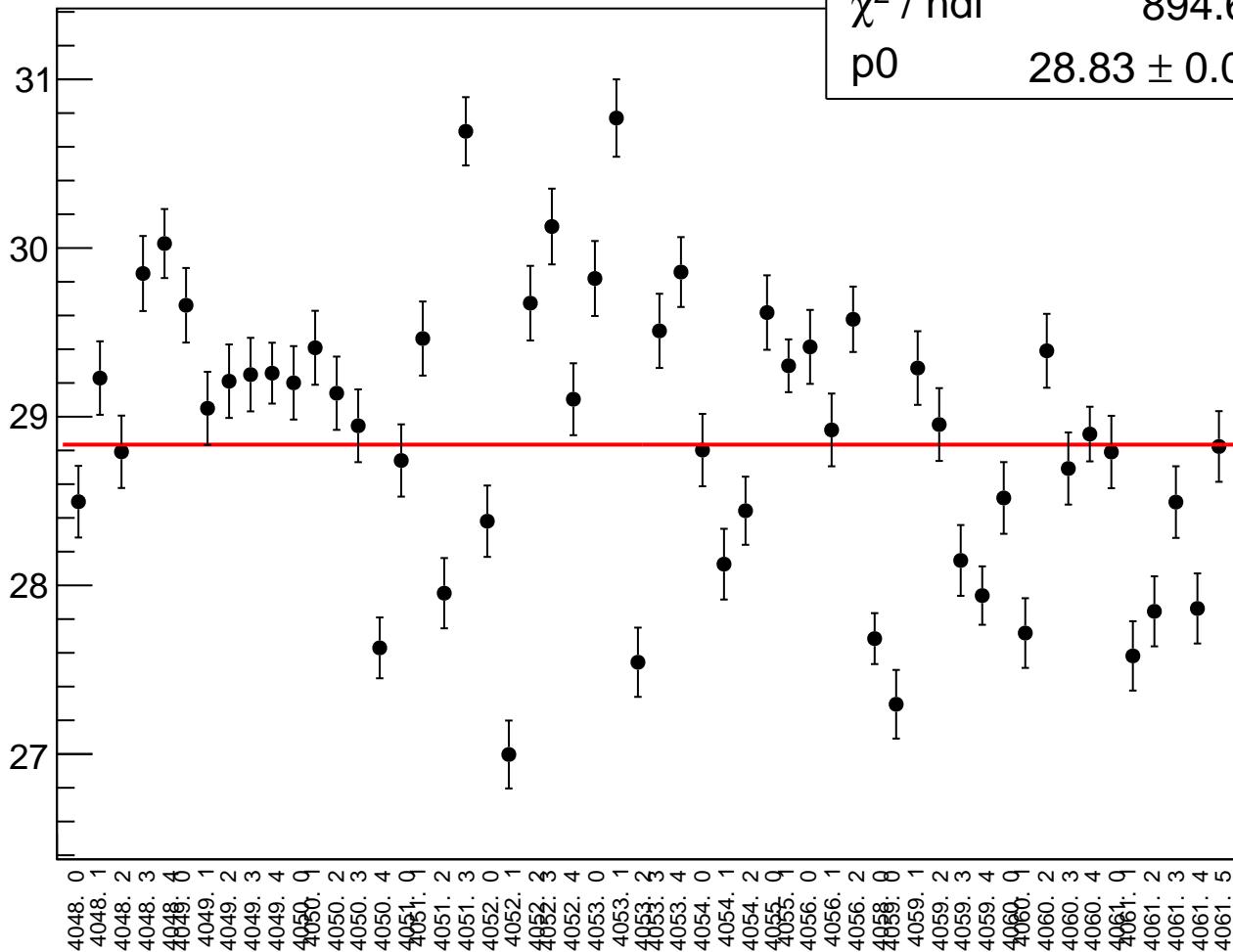
# asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_rms vs run

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

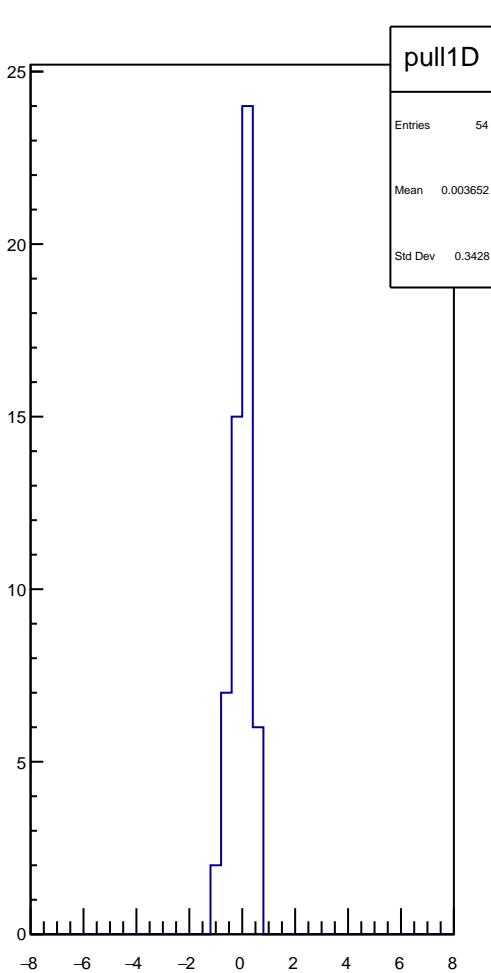
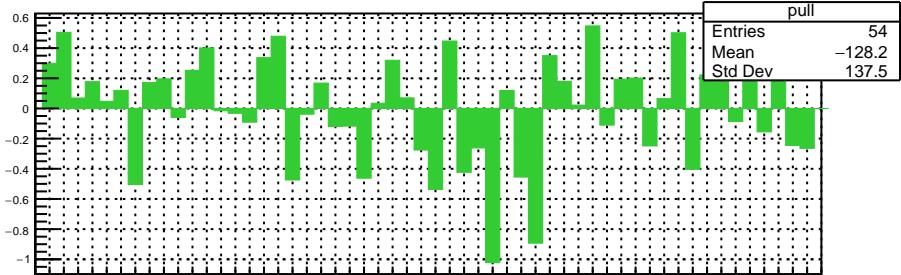
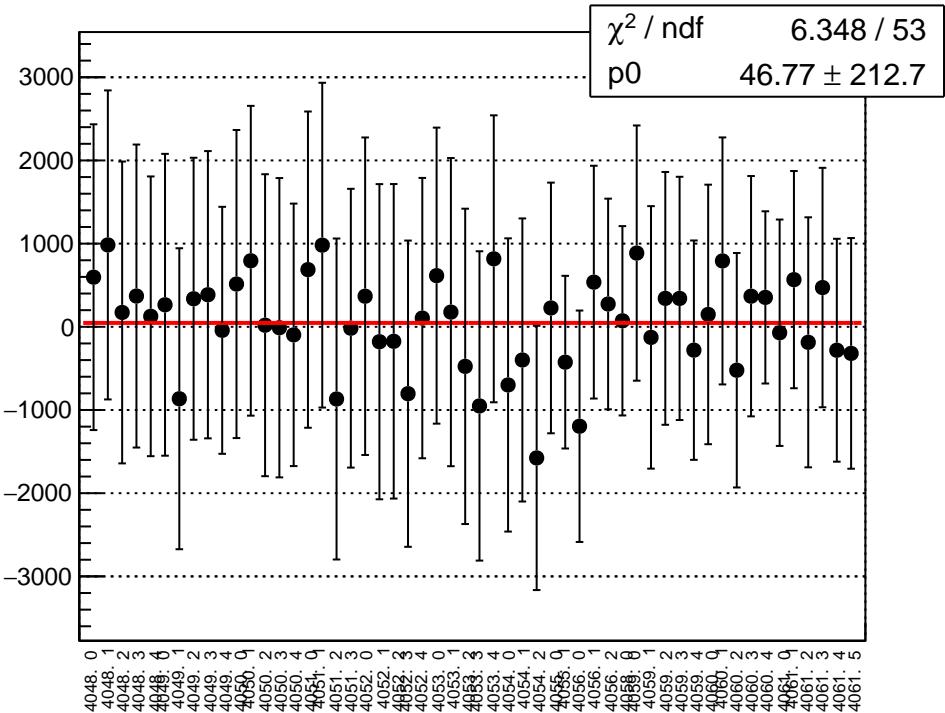
894.6 / 53

p0

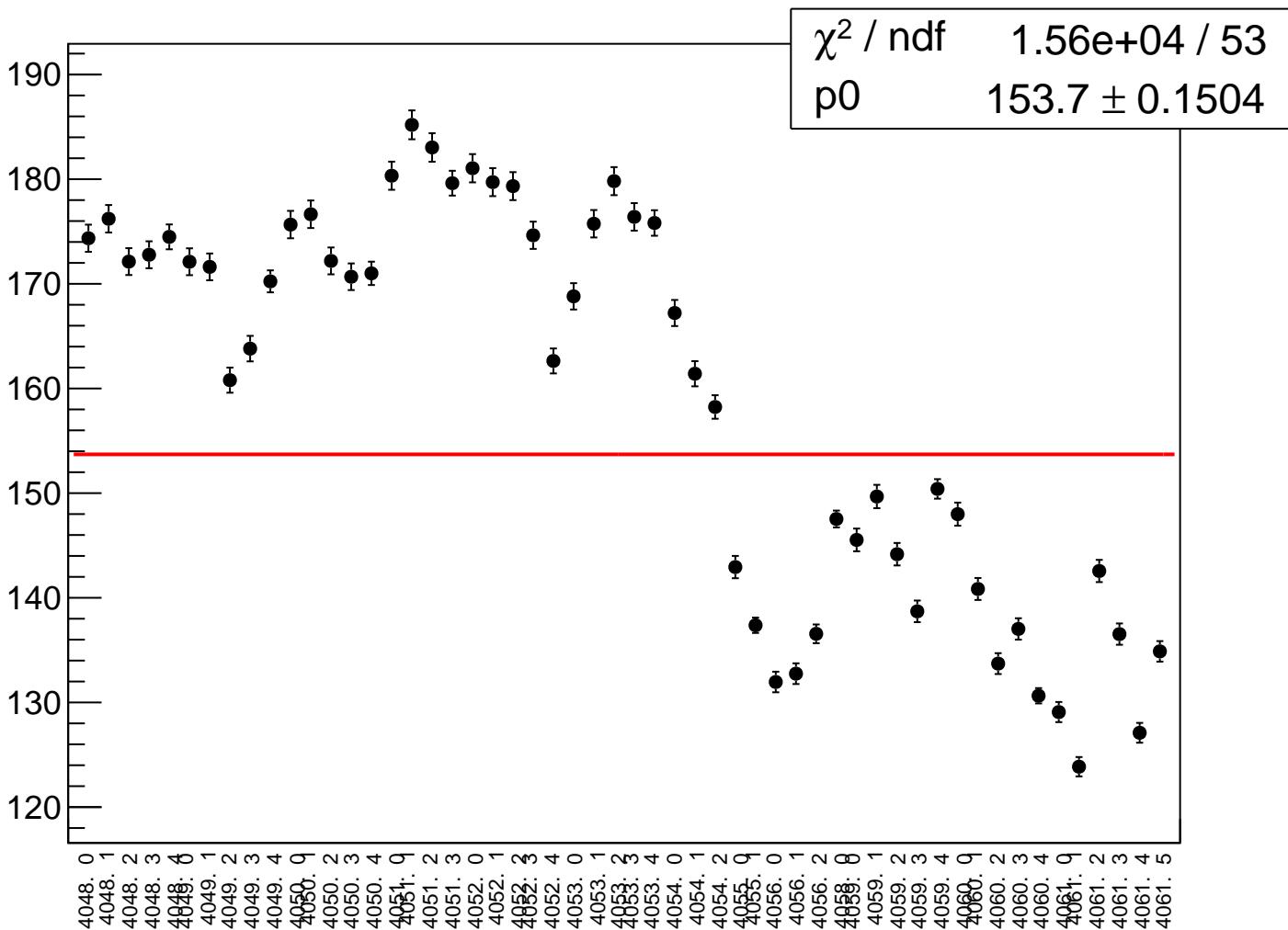
$28.83 \pm 0.02801$



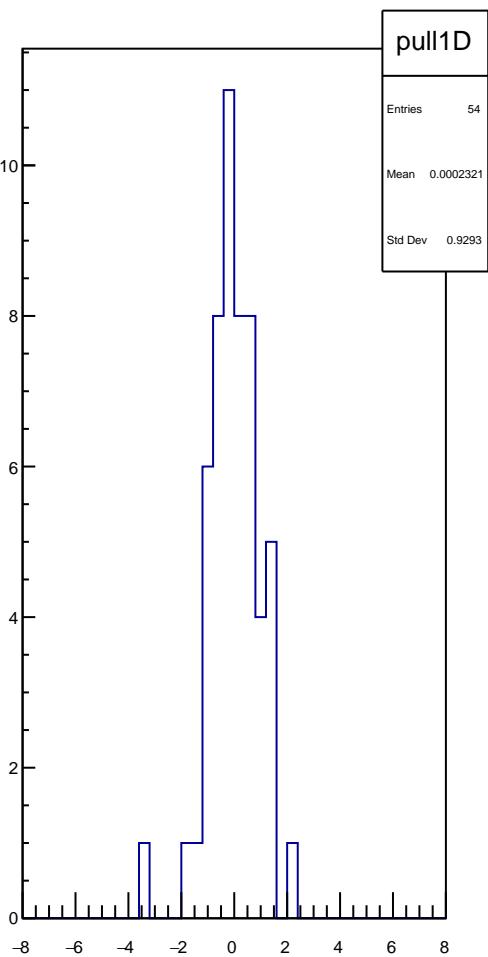
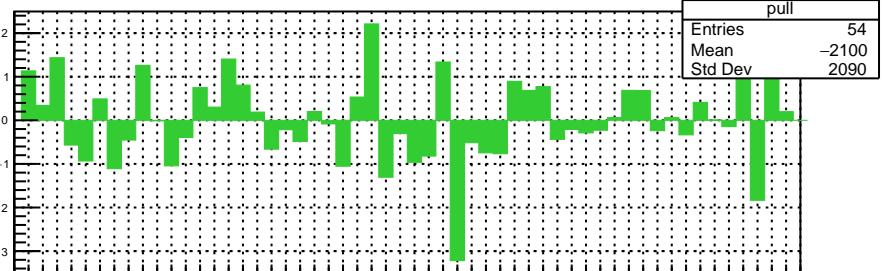
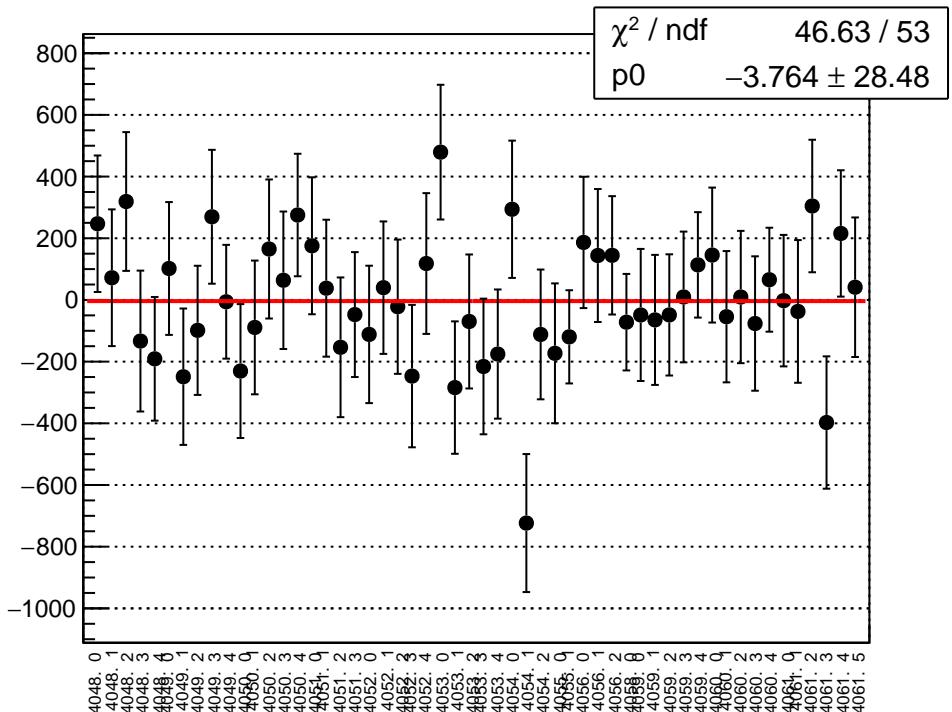
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_mean vs run



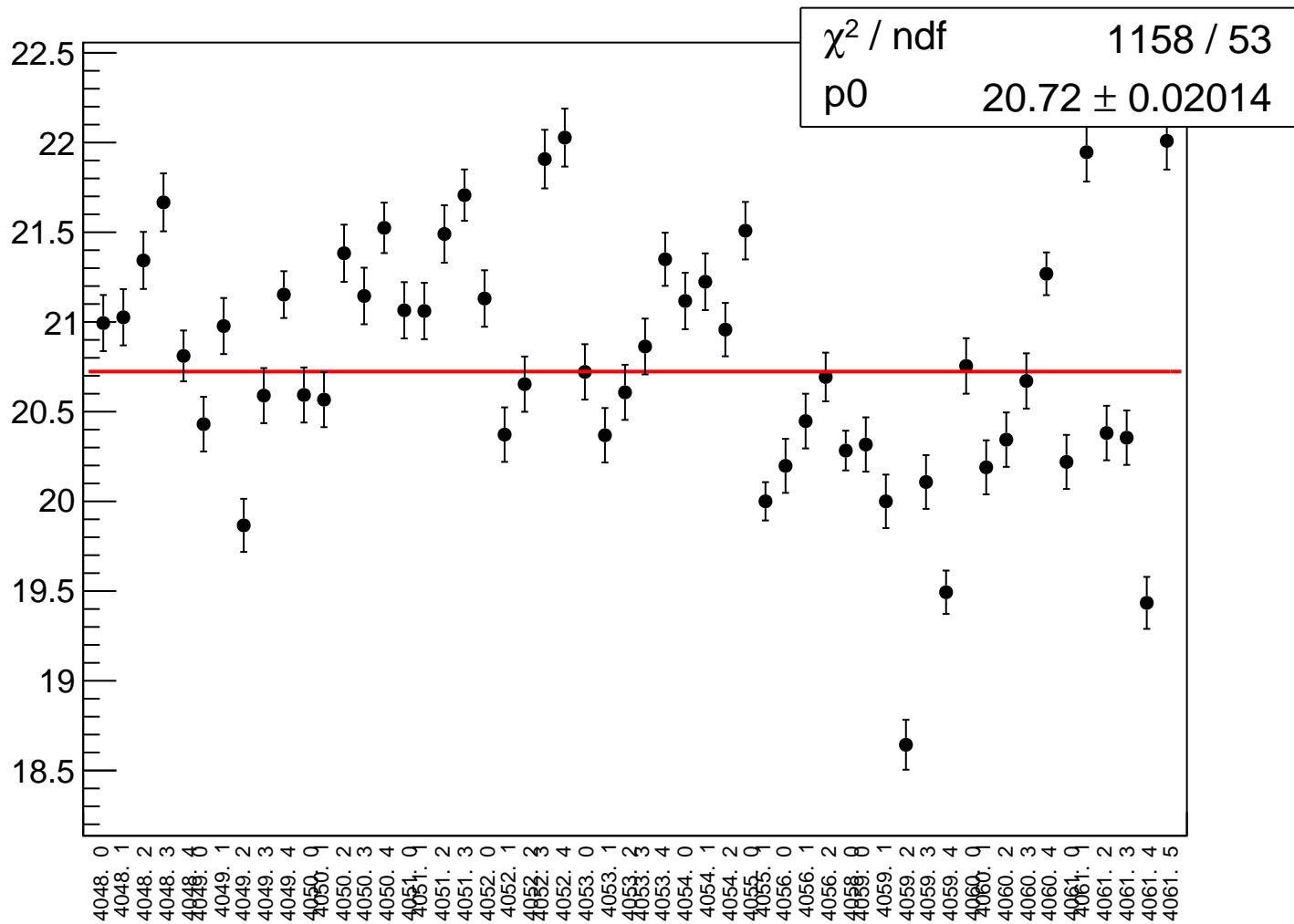
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_rms vs run



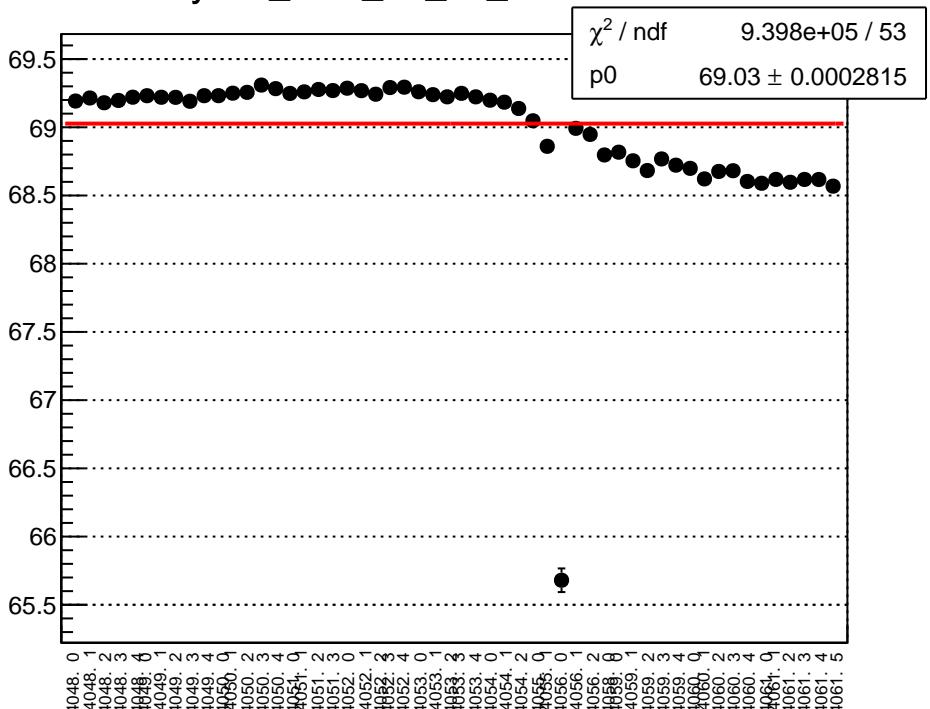
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_mean vs run



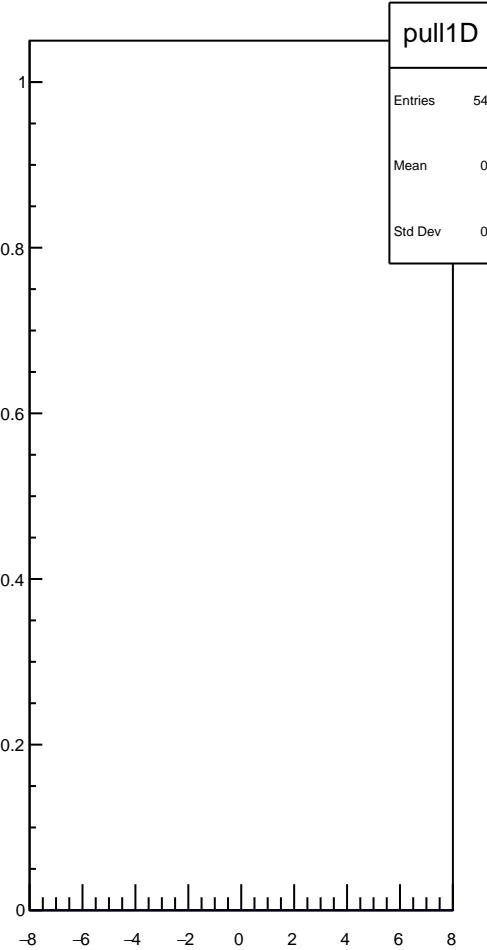
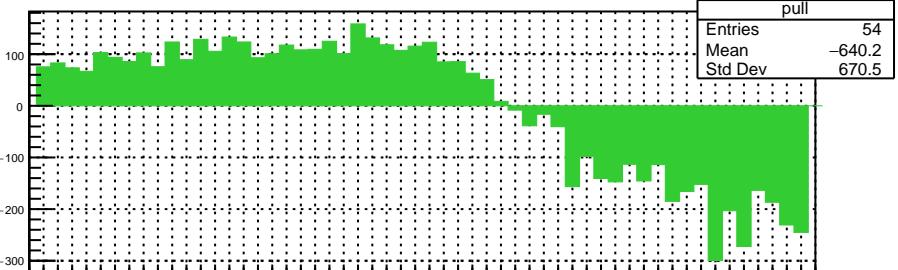
# asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_rms vs run



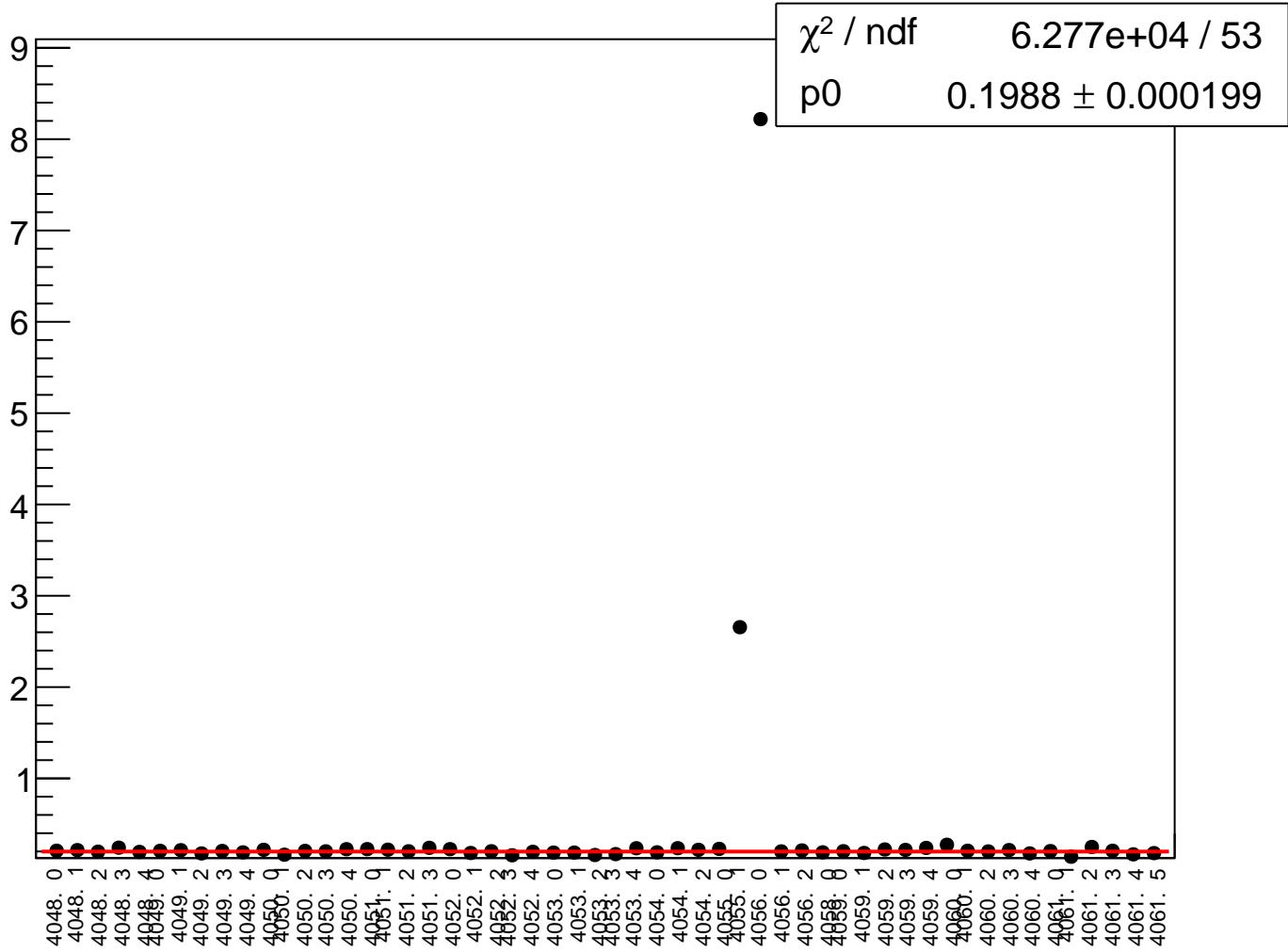
# yield\_bcm\_an\_ds\_mean vs run



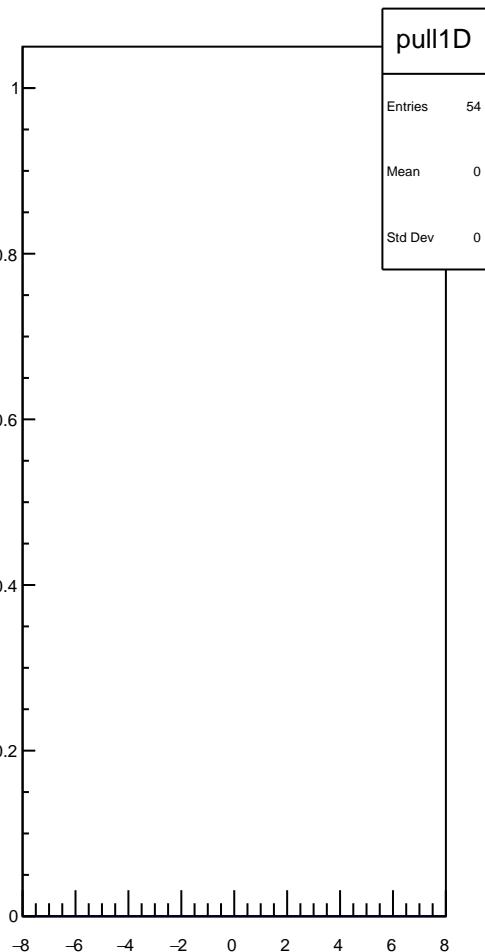
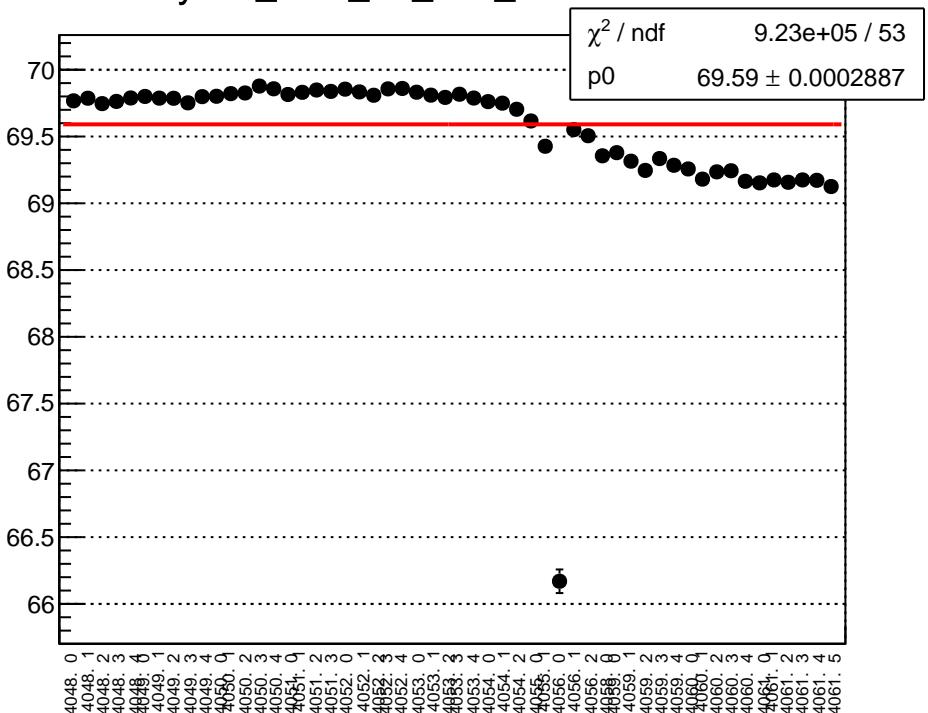
$\chi^2 / \text{ndf}$  9.398e+05 / 53  
 $p_0$   $69.03 \pm 0.0002815$



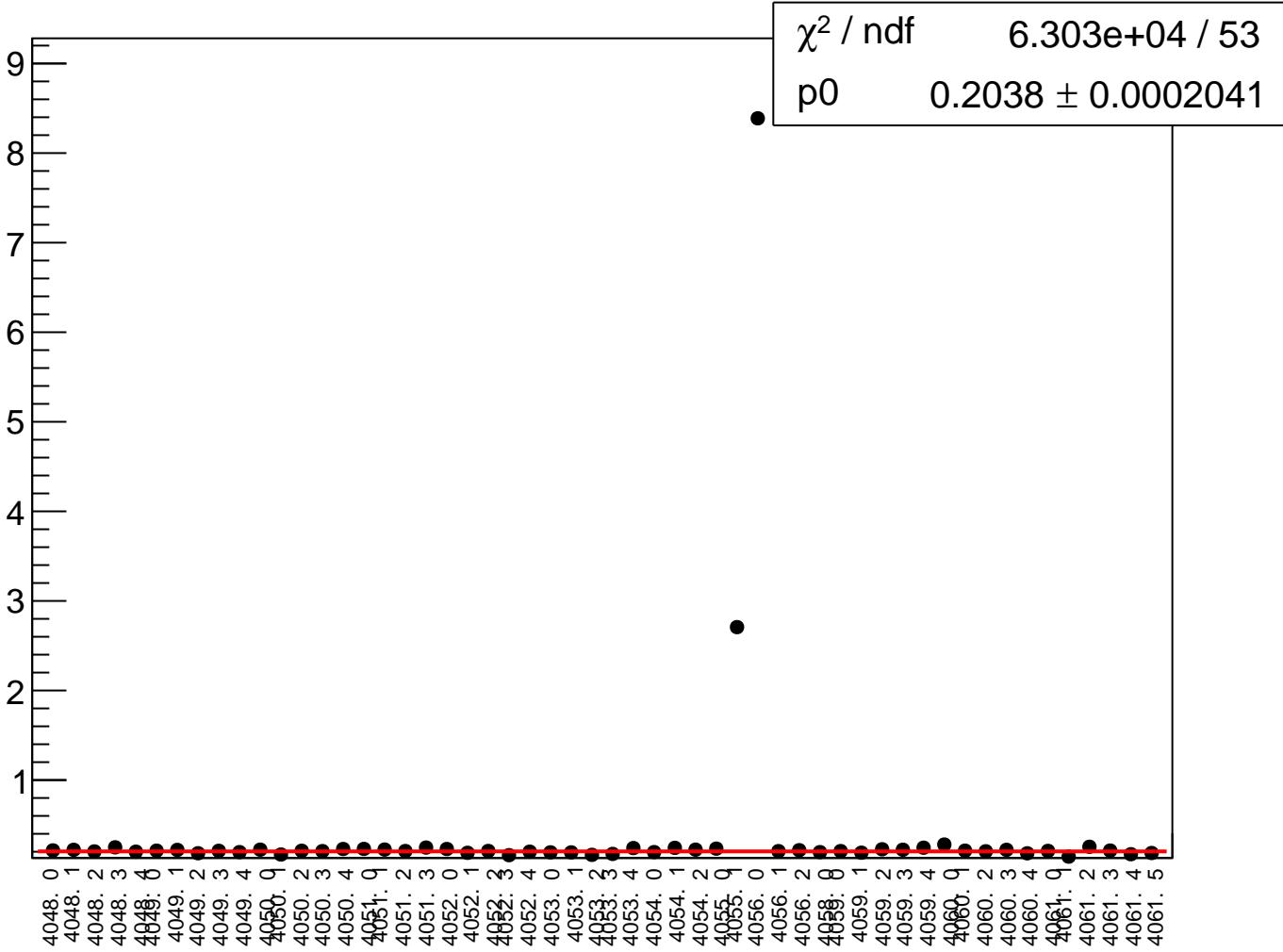
# yield\_bcm\_an\_ds\_rms vs run



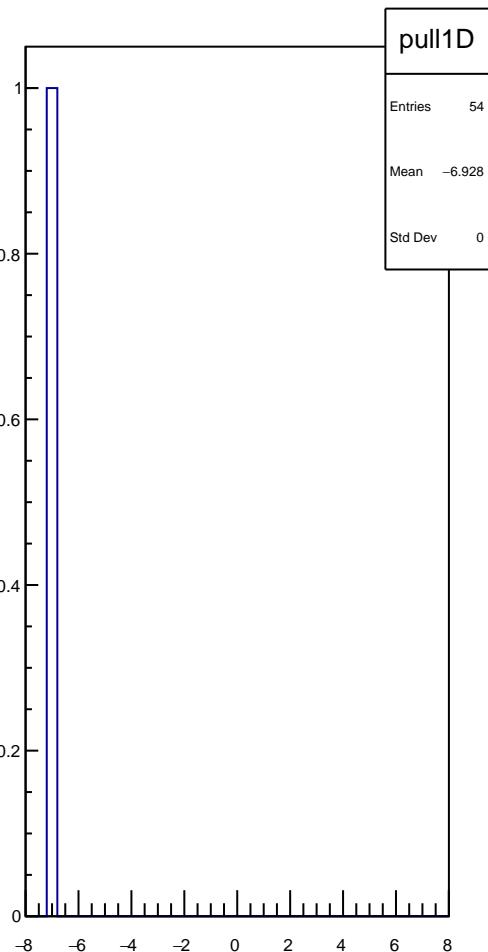
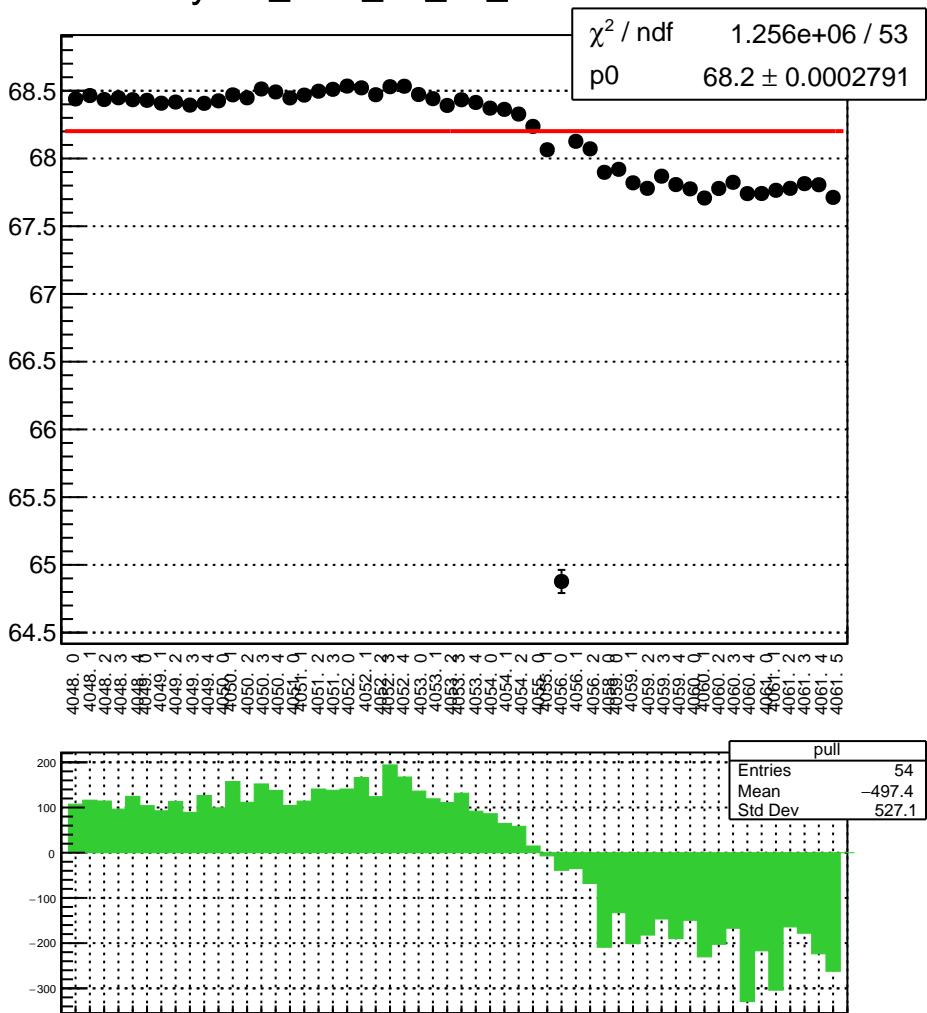
# yield\_bcm\_an\_ds3\_mean vs run



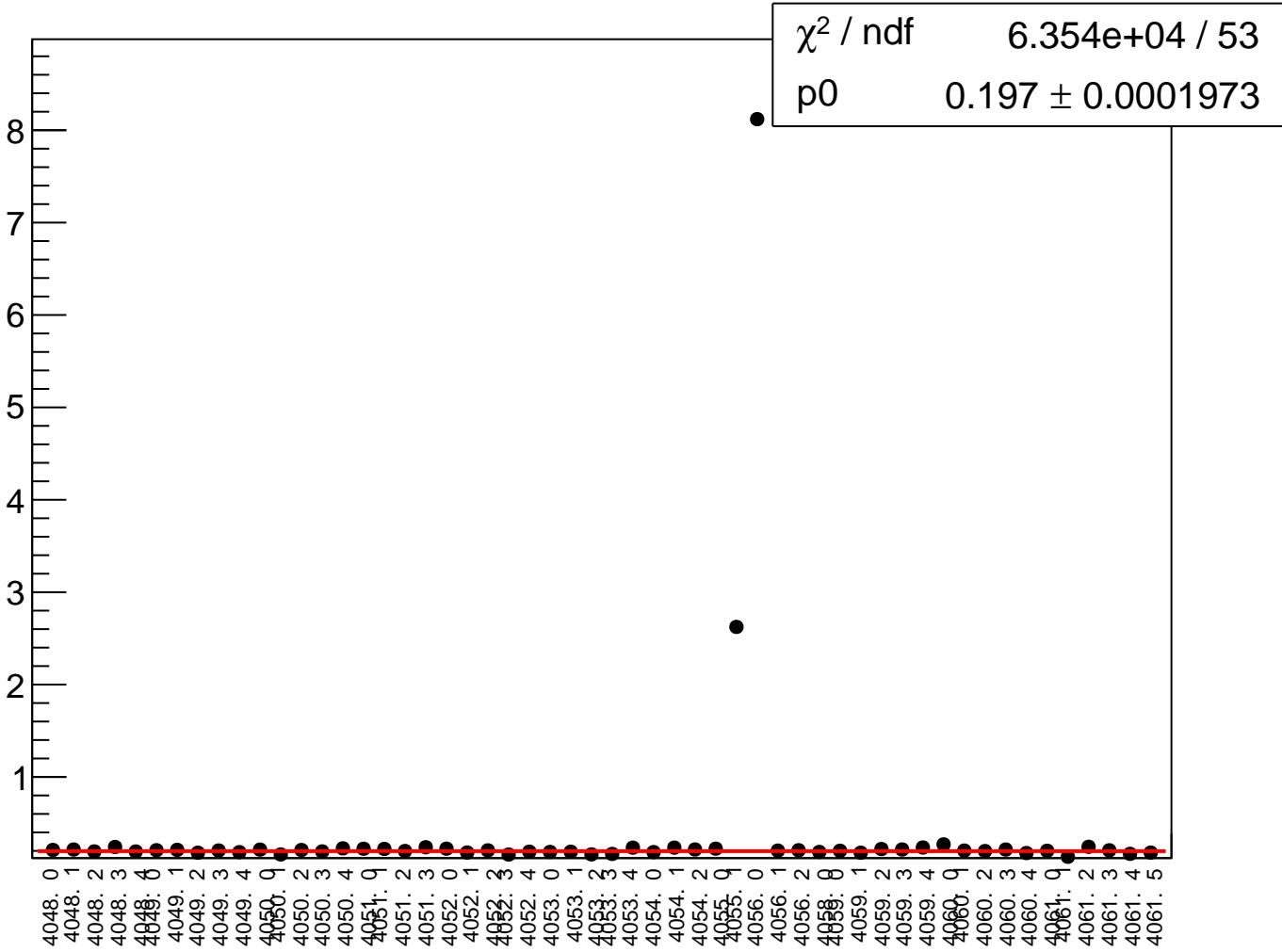
# yield\_bcm\_an\_ds3\_rms vs run



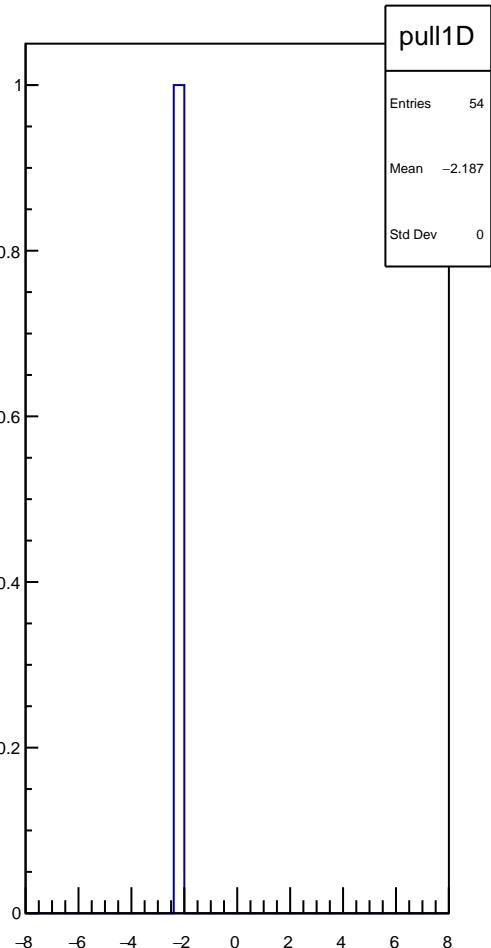
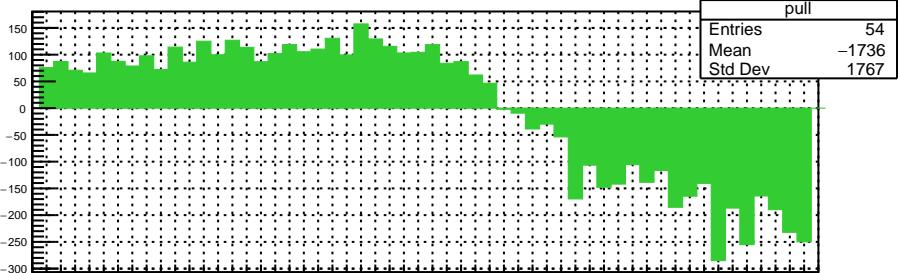
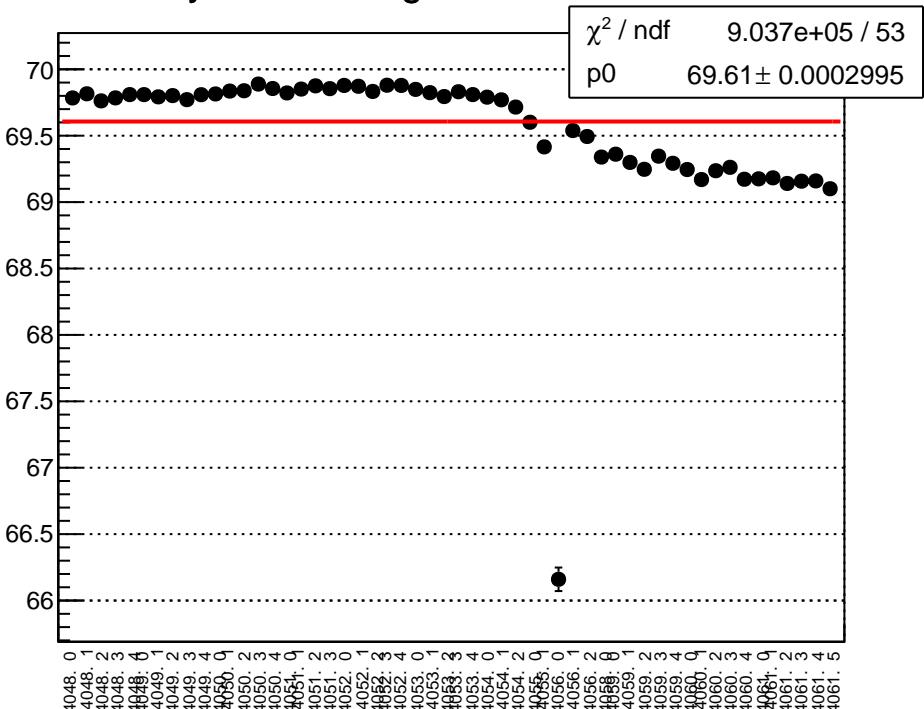
# yield\_bcm\_an\_us\_mean vs run



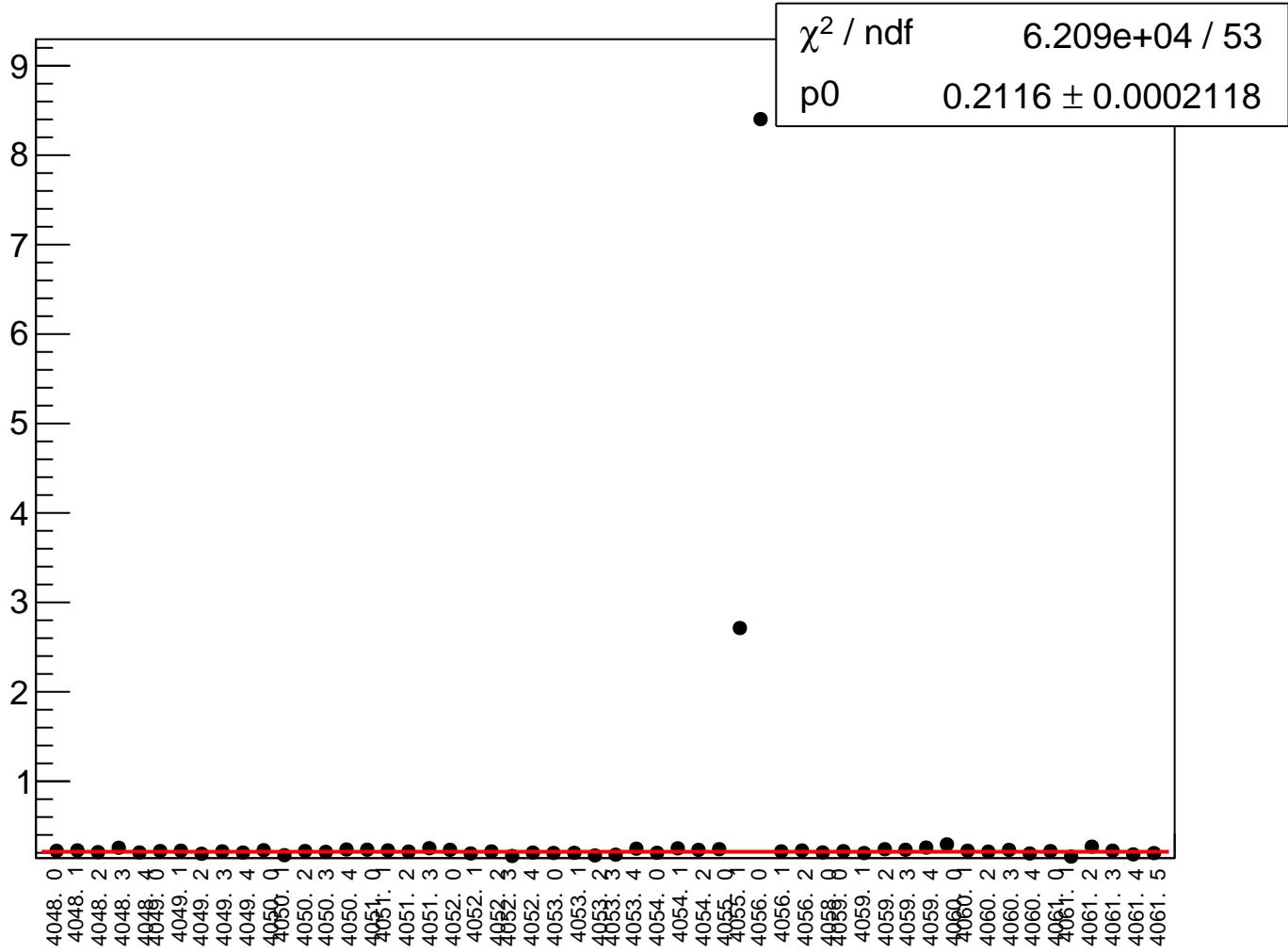
# yield\_bcm\_an\_us\_rms vs run



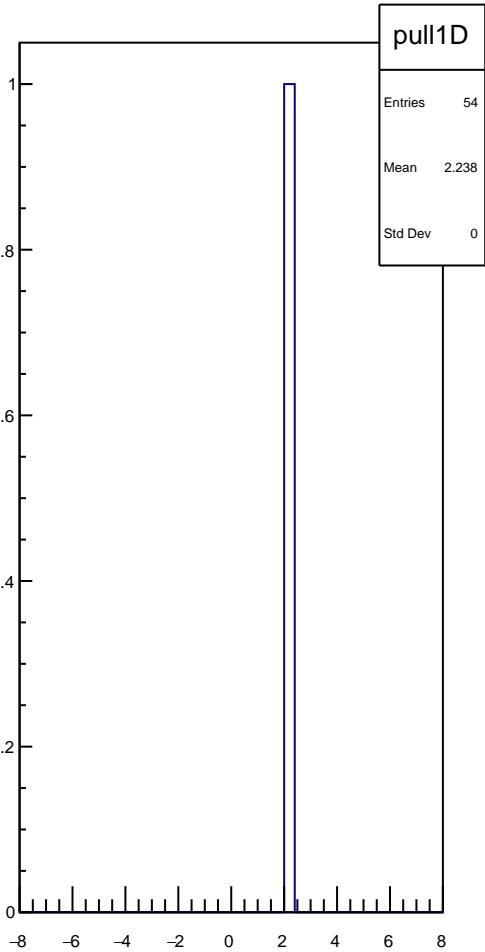
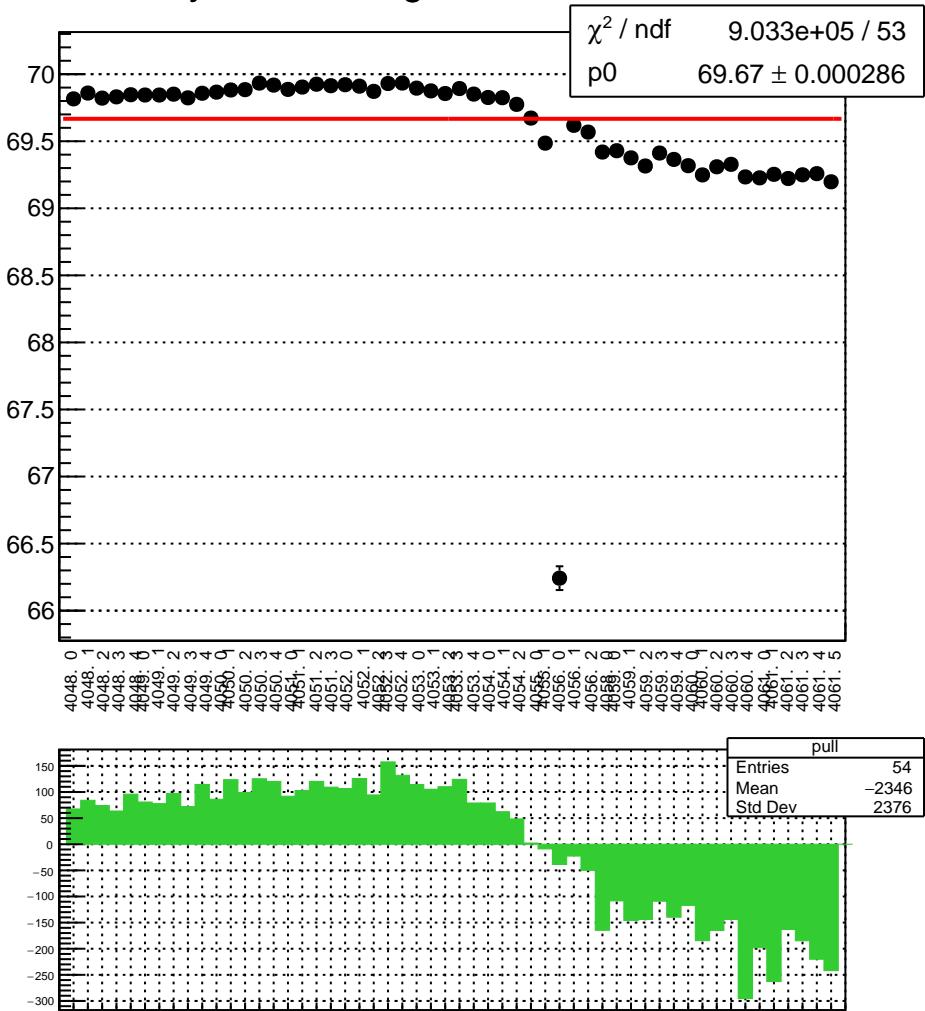
# yield\_bcm\_dg\_us\_mean vs run



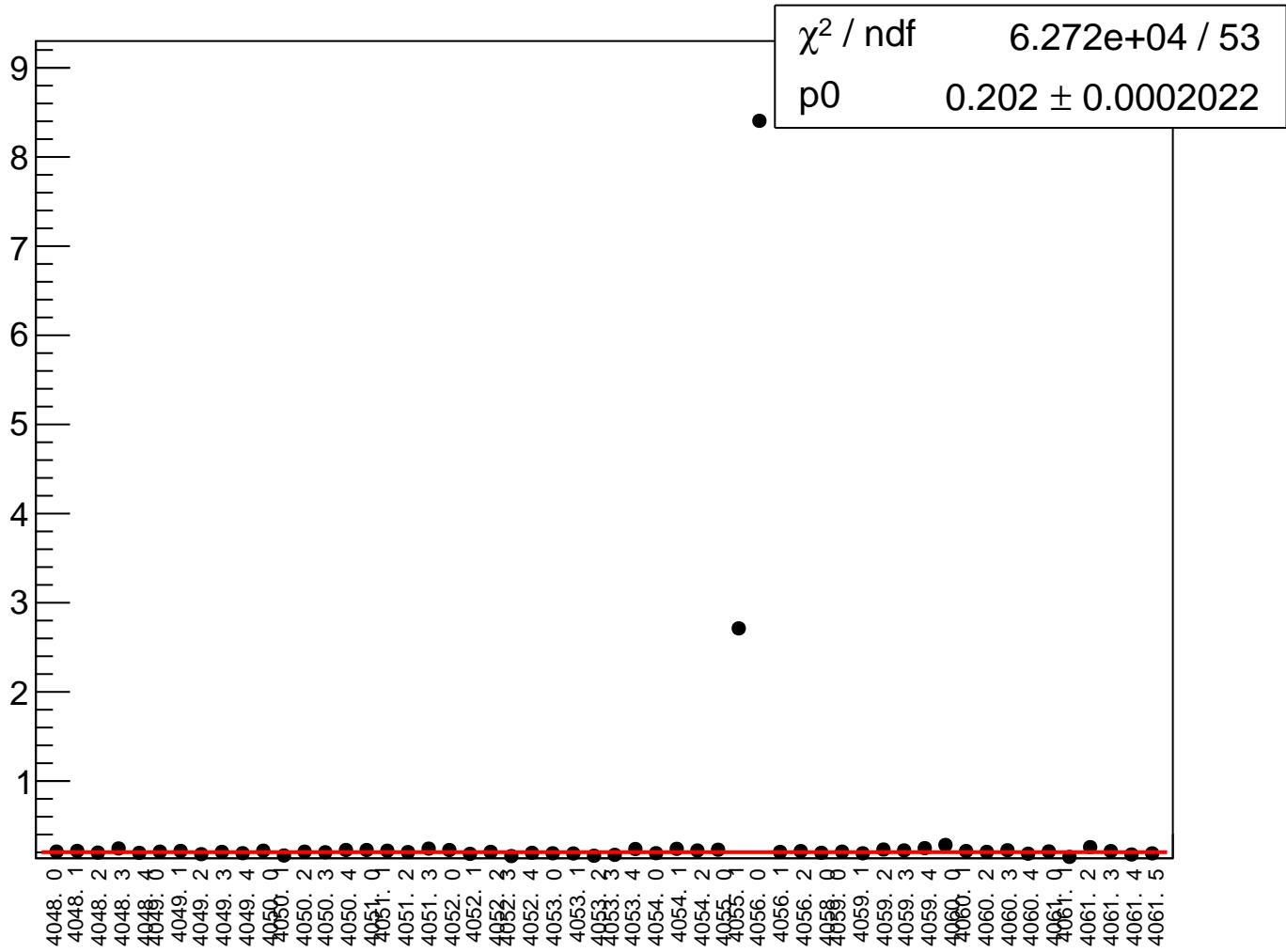
# yield\_bcm\_dg\_us\_rms vs run



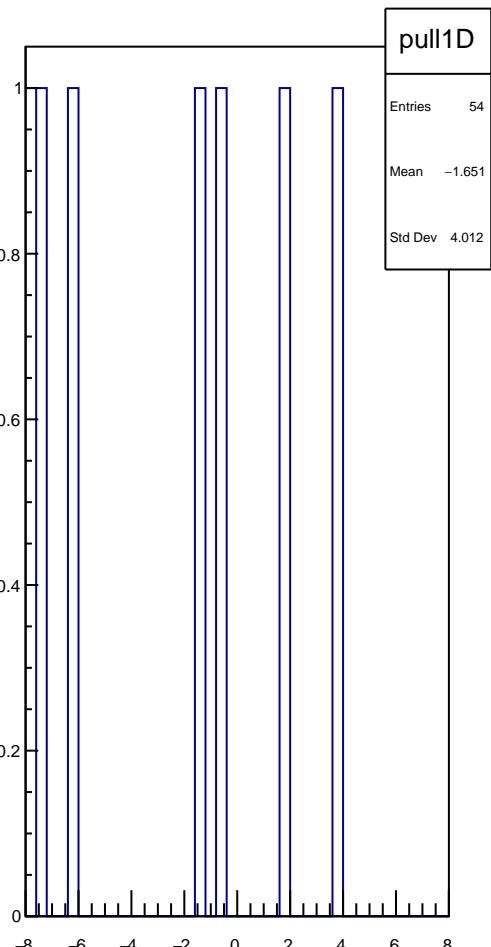
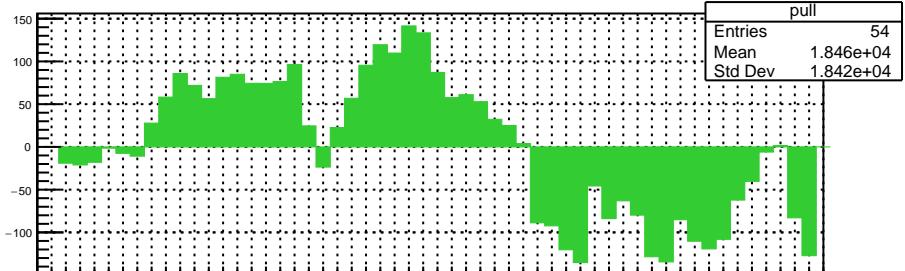
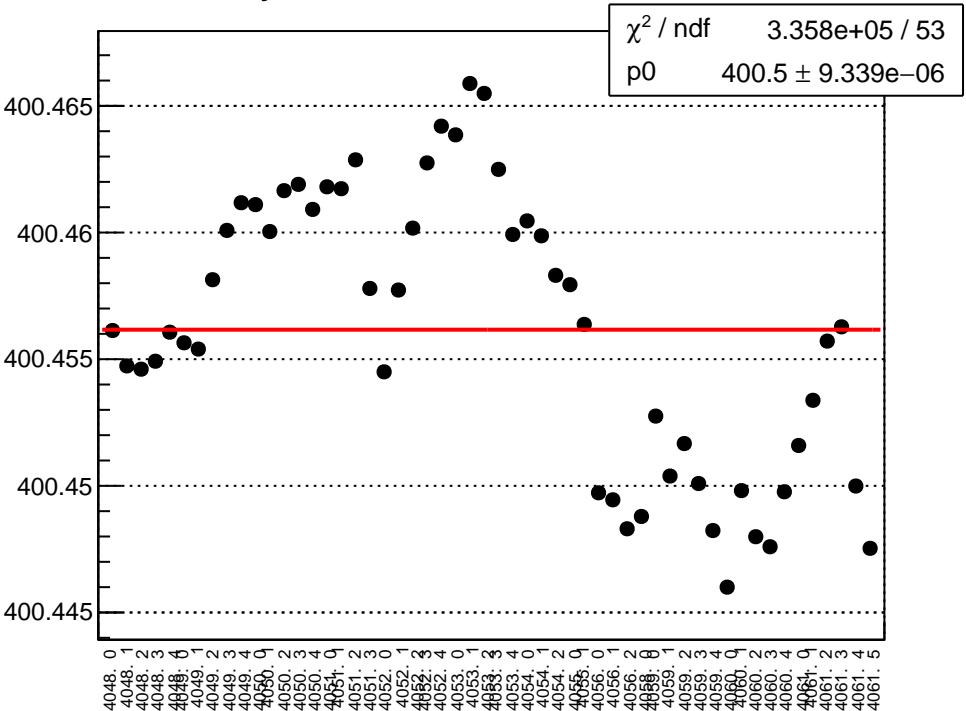
# yield\_bcm\_dg\_ds\_mean vs run



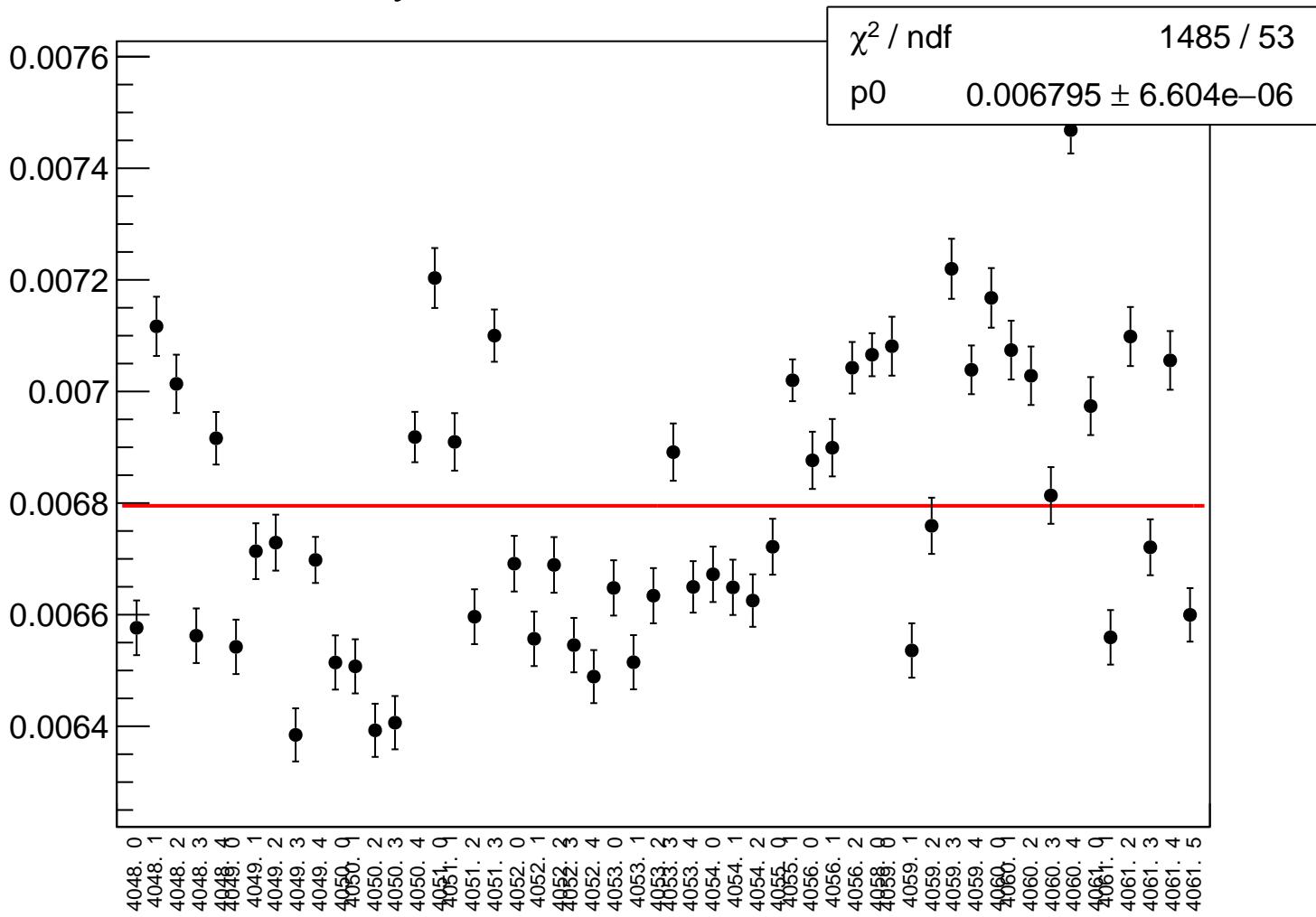
# yield\_bcm\_dg\_ds\_rms vs run



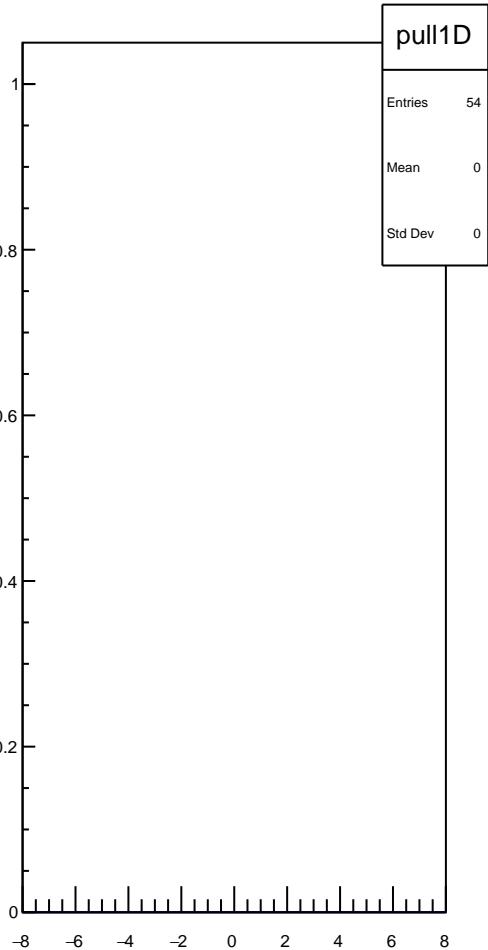
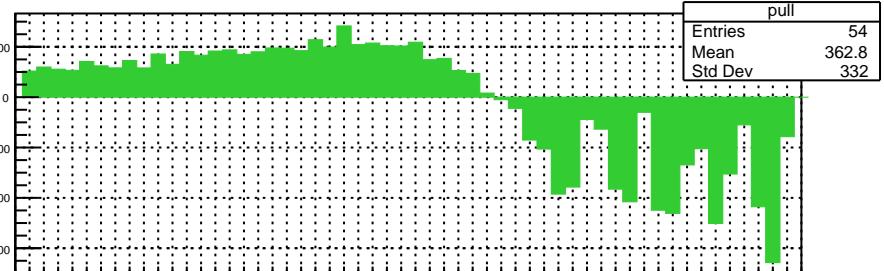
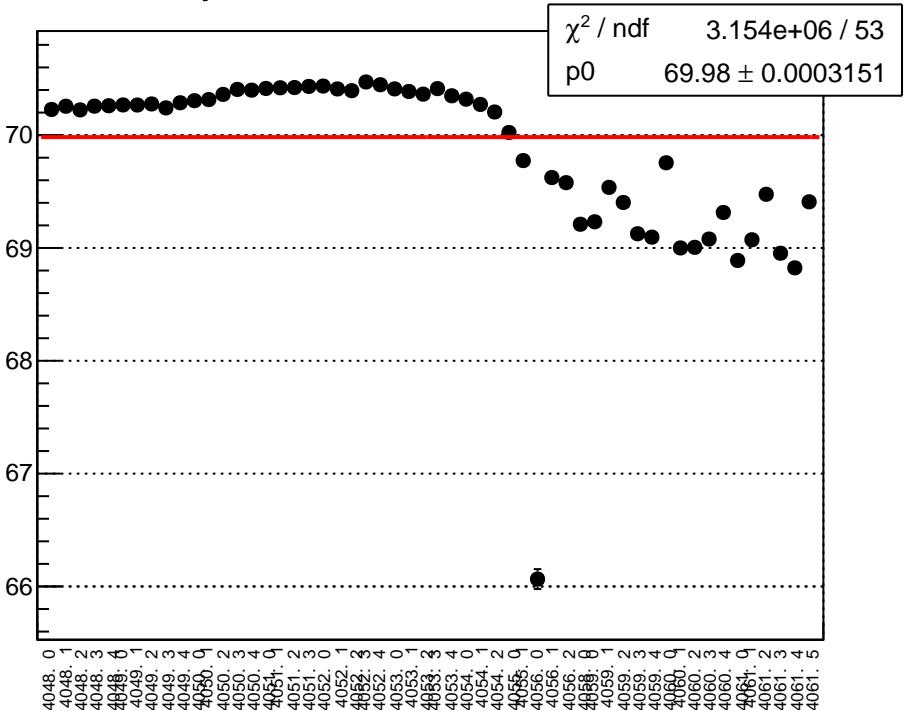
# yield\_cav4bQ\_mean vs run



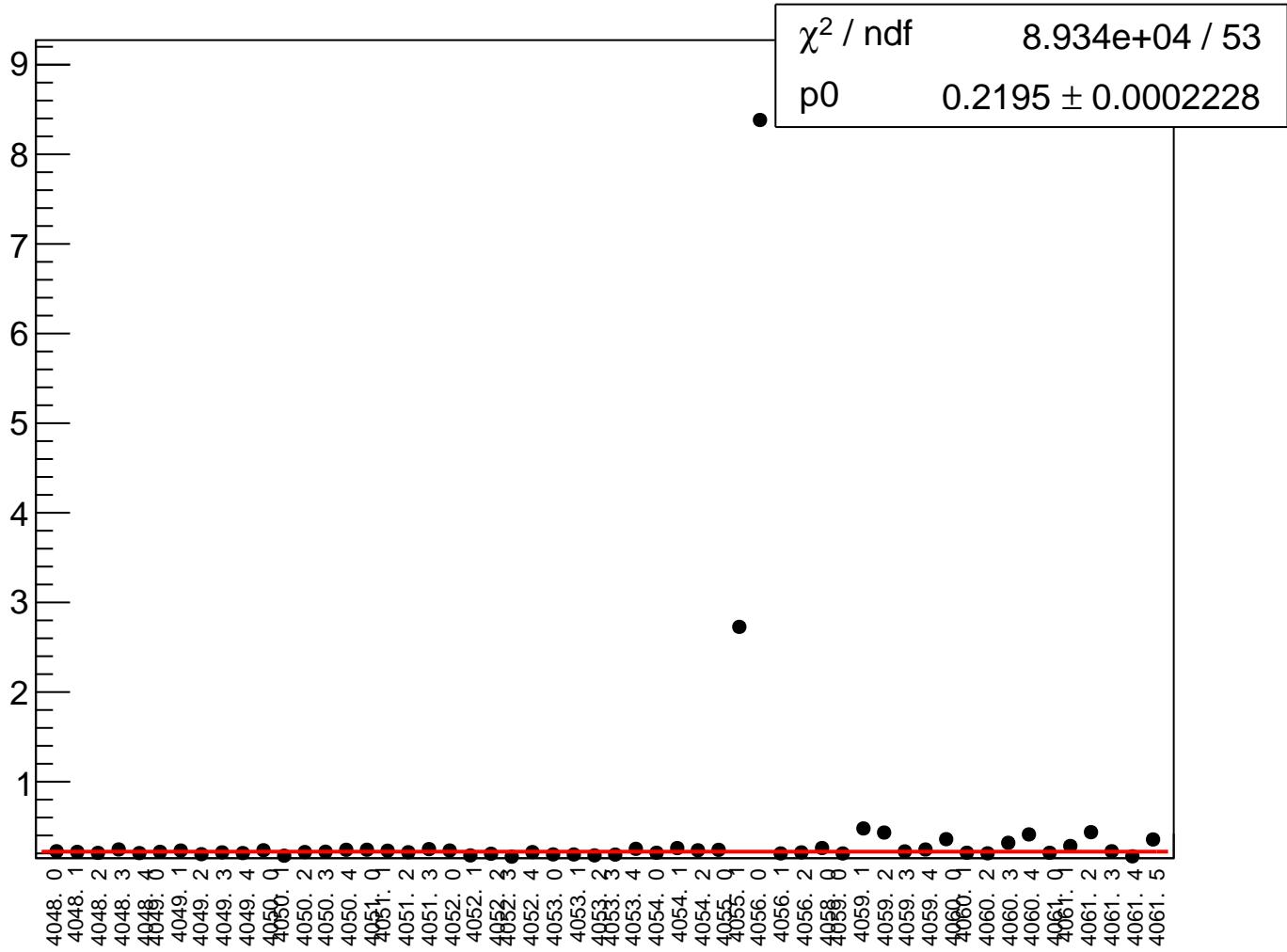
# yield\_cav4bQ\_rms vs run



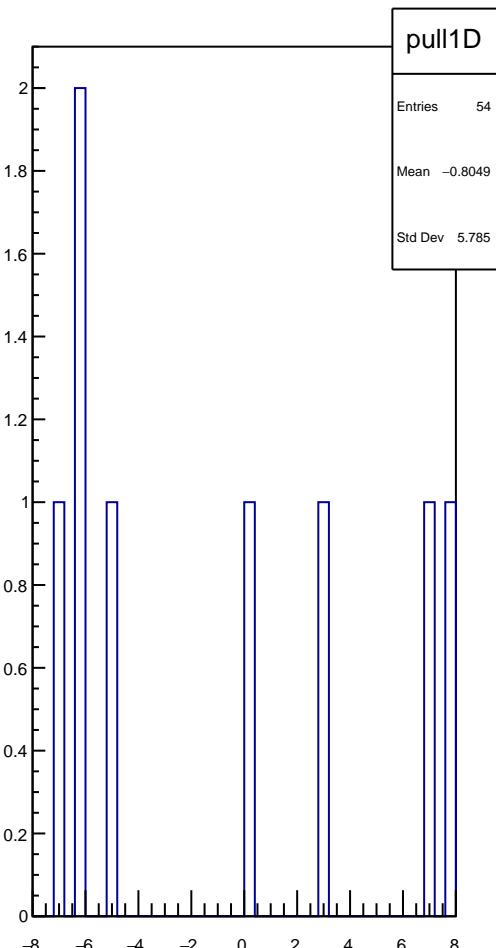
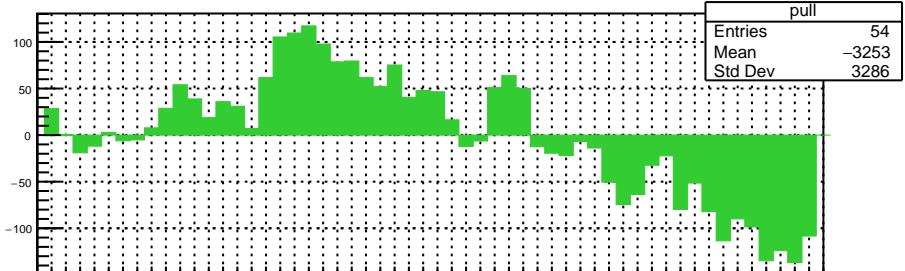
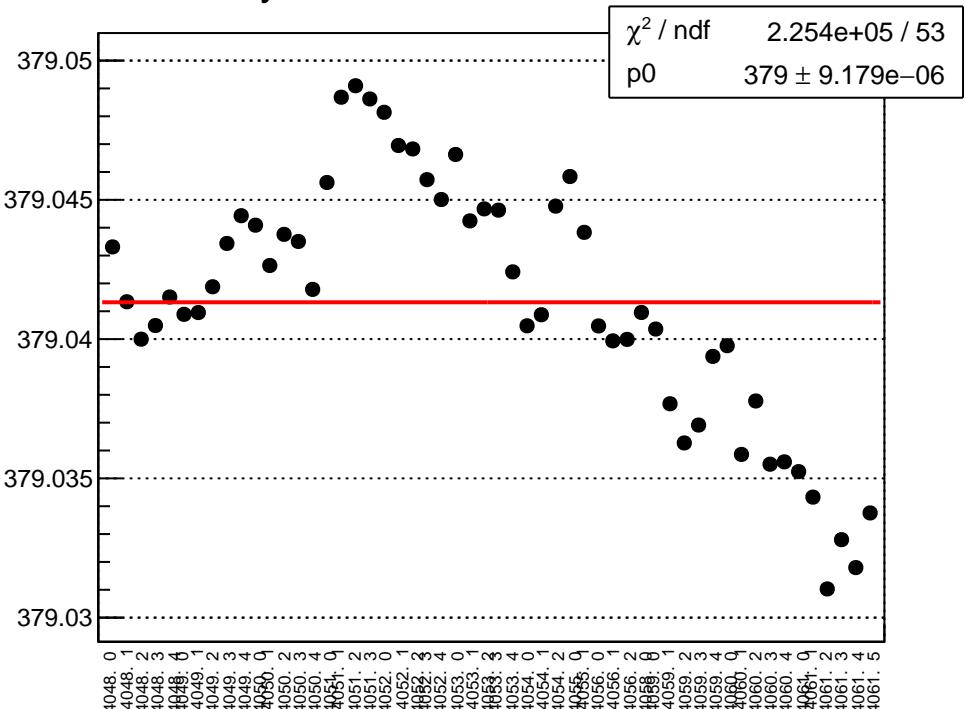
# yield\_cav4cQ\_mean vs run



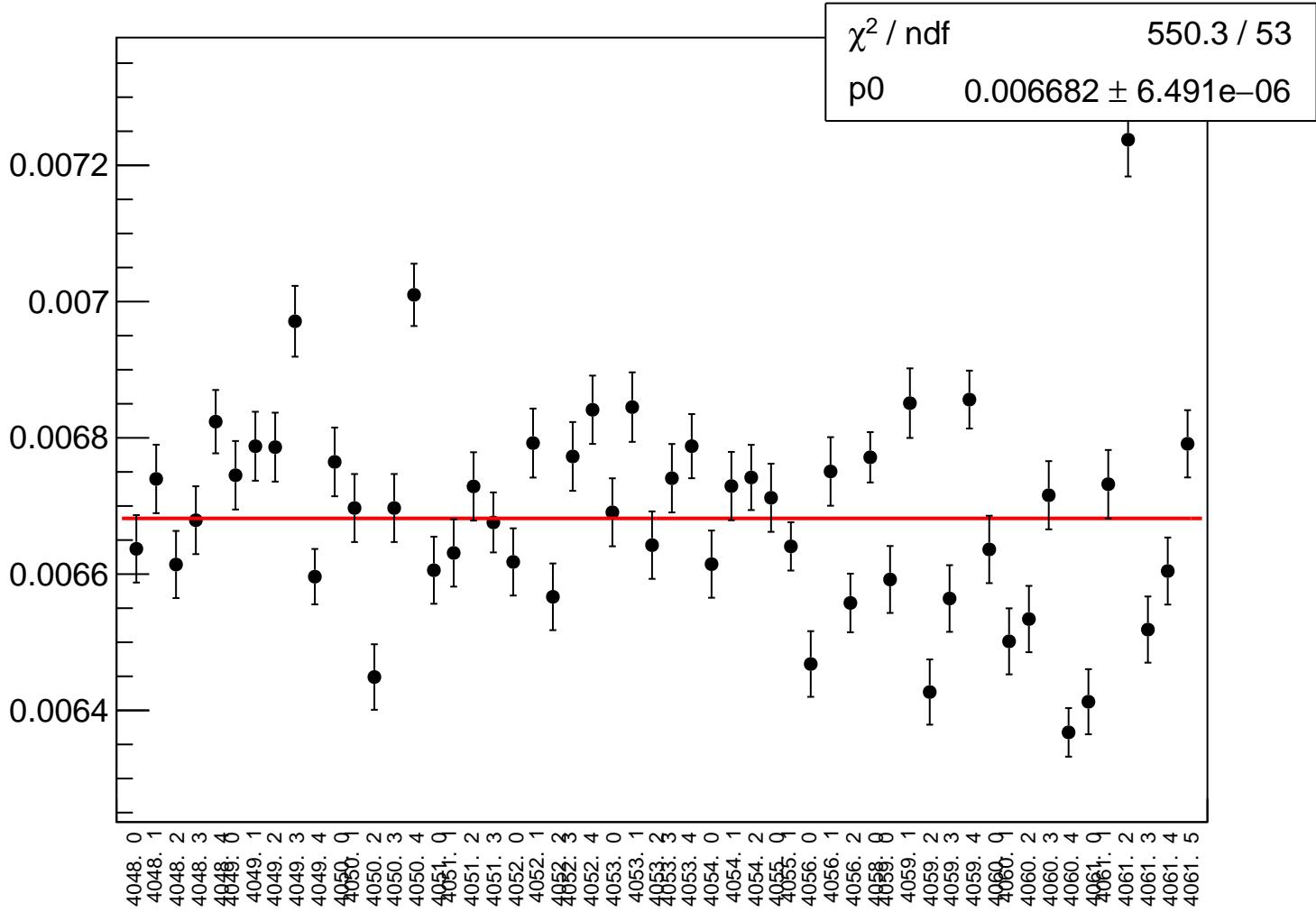
# yield\_cav4cQ\_rms vs run



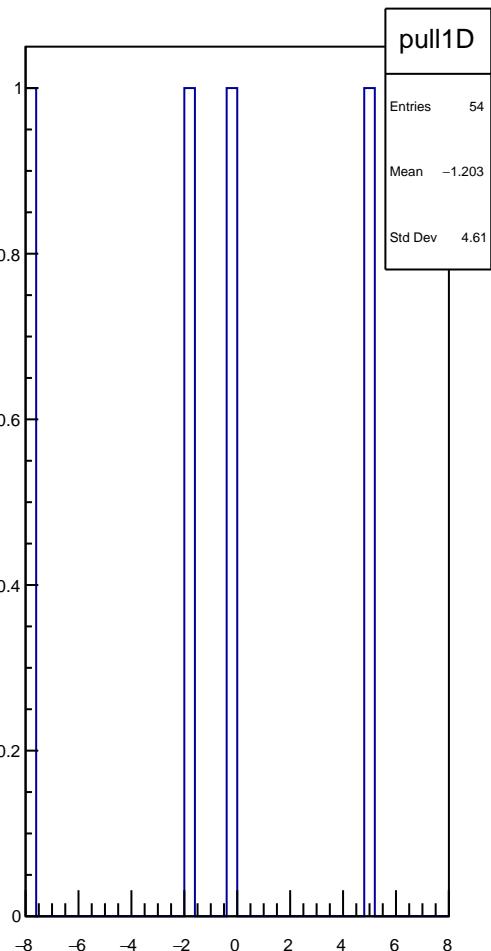
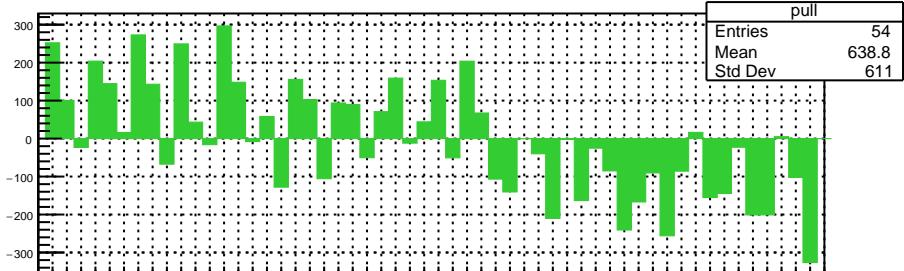
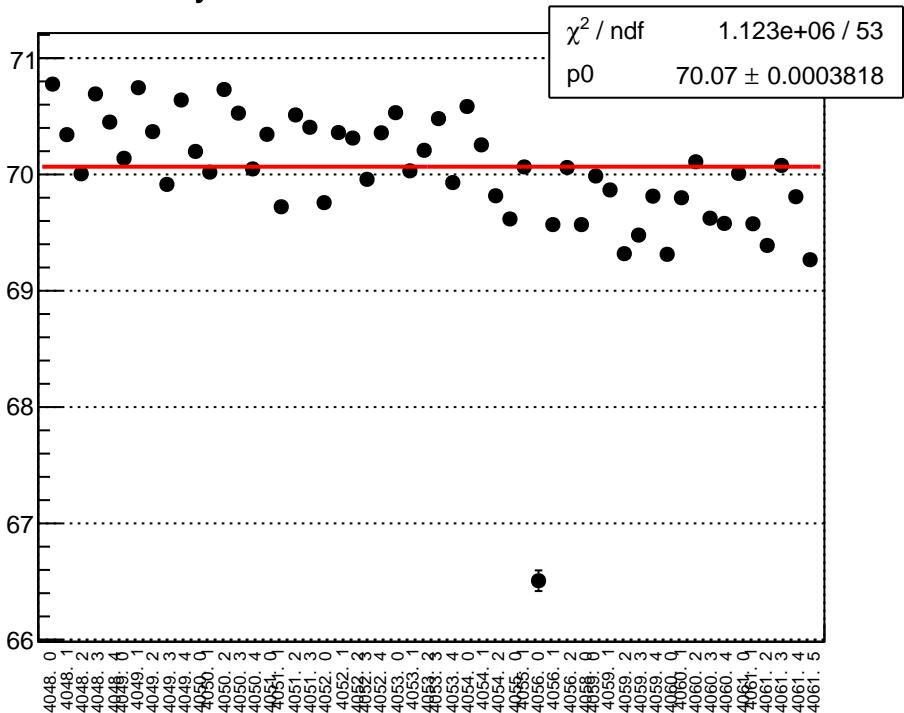
# yield\_cav4dQ\_mean vs run



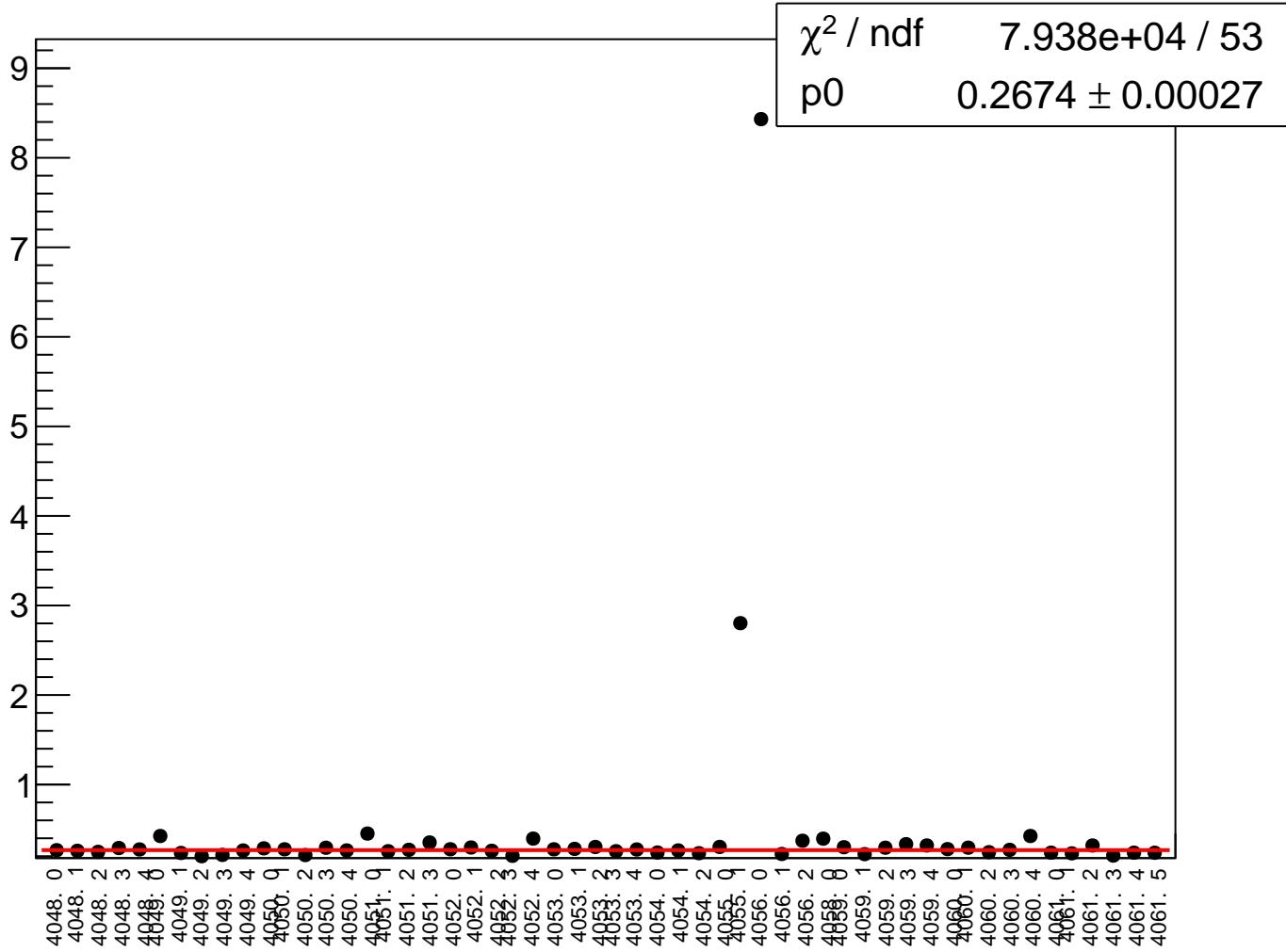
# yield\_cav4dQ\_rms vs run



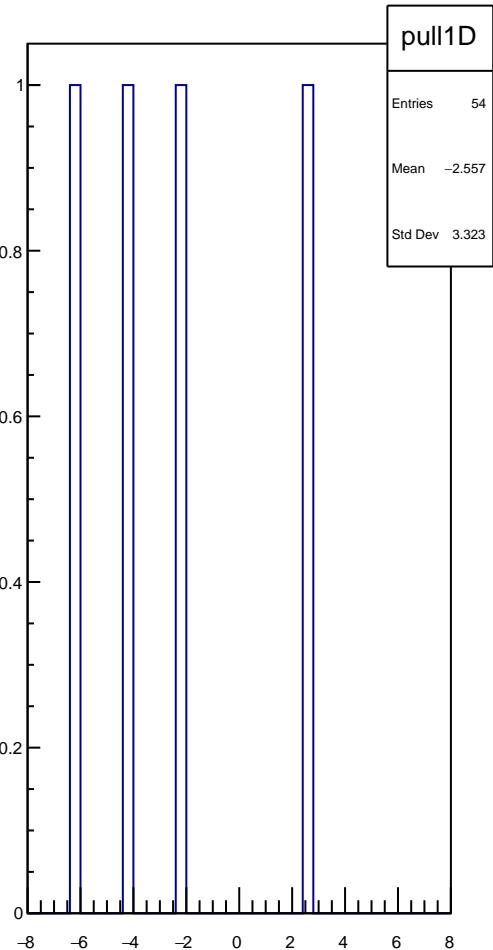
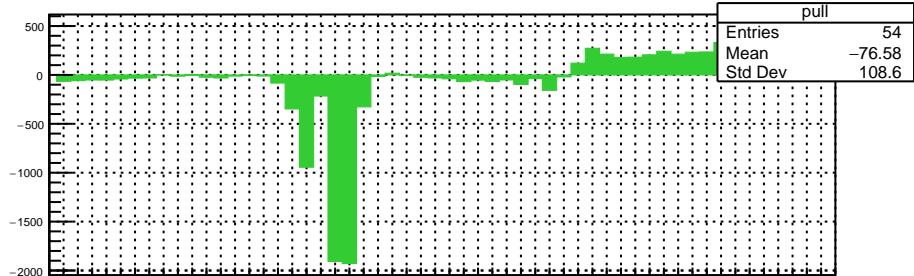
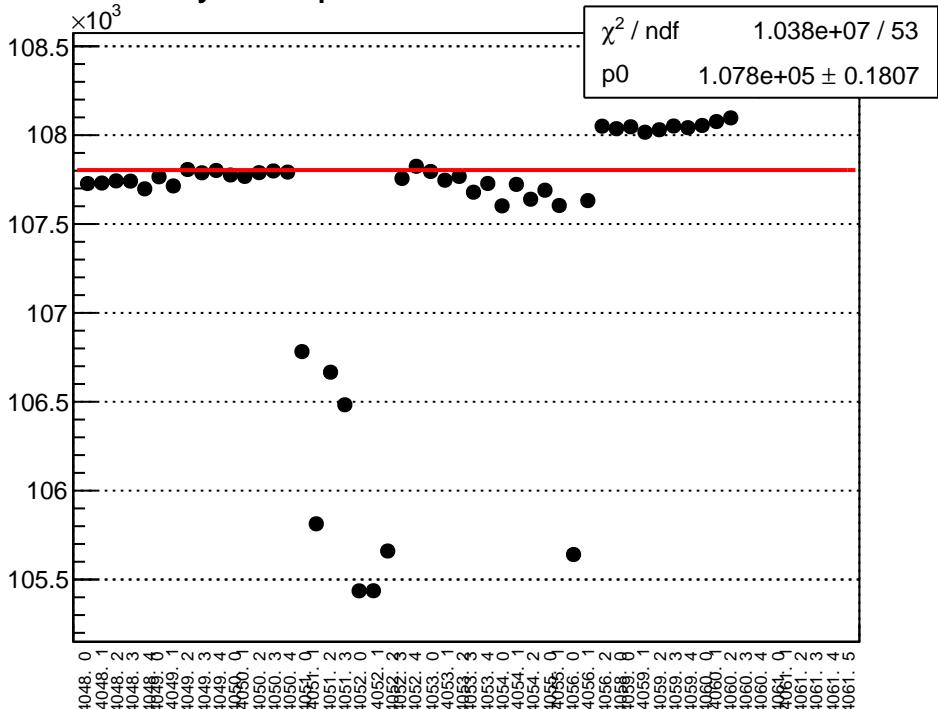
# yield\_bcm0l02\_mean vs run



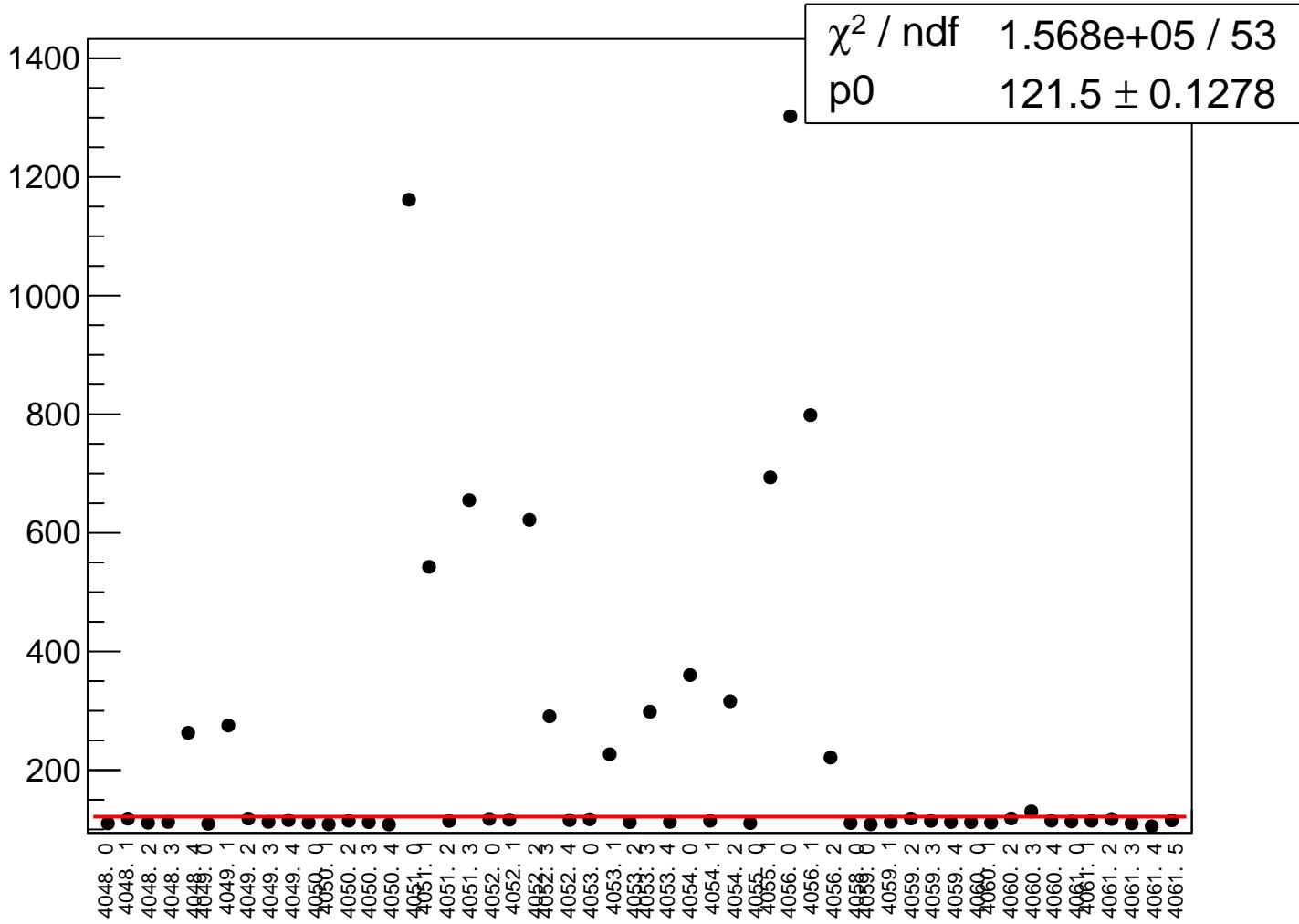
# yield\_bcm0l02\_rms vs run



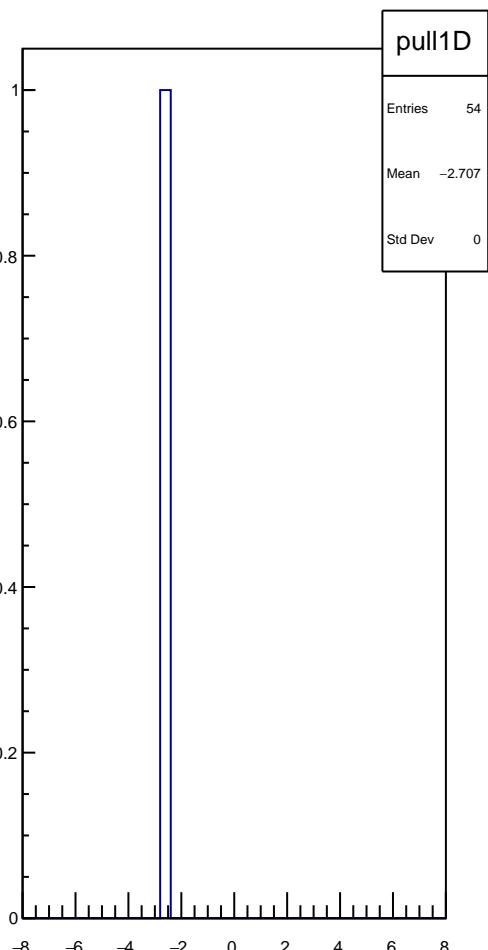
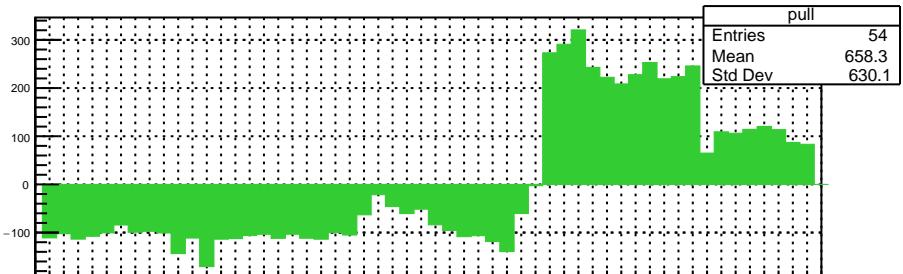
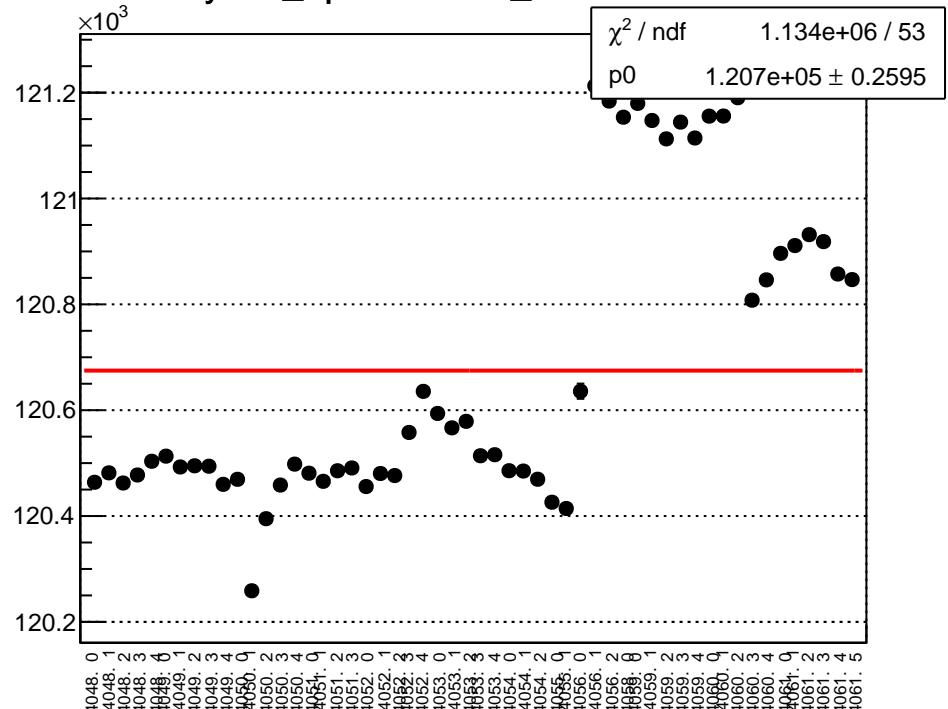
# yield\_bpm2i01WS\_mean vs run



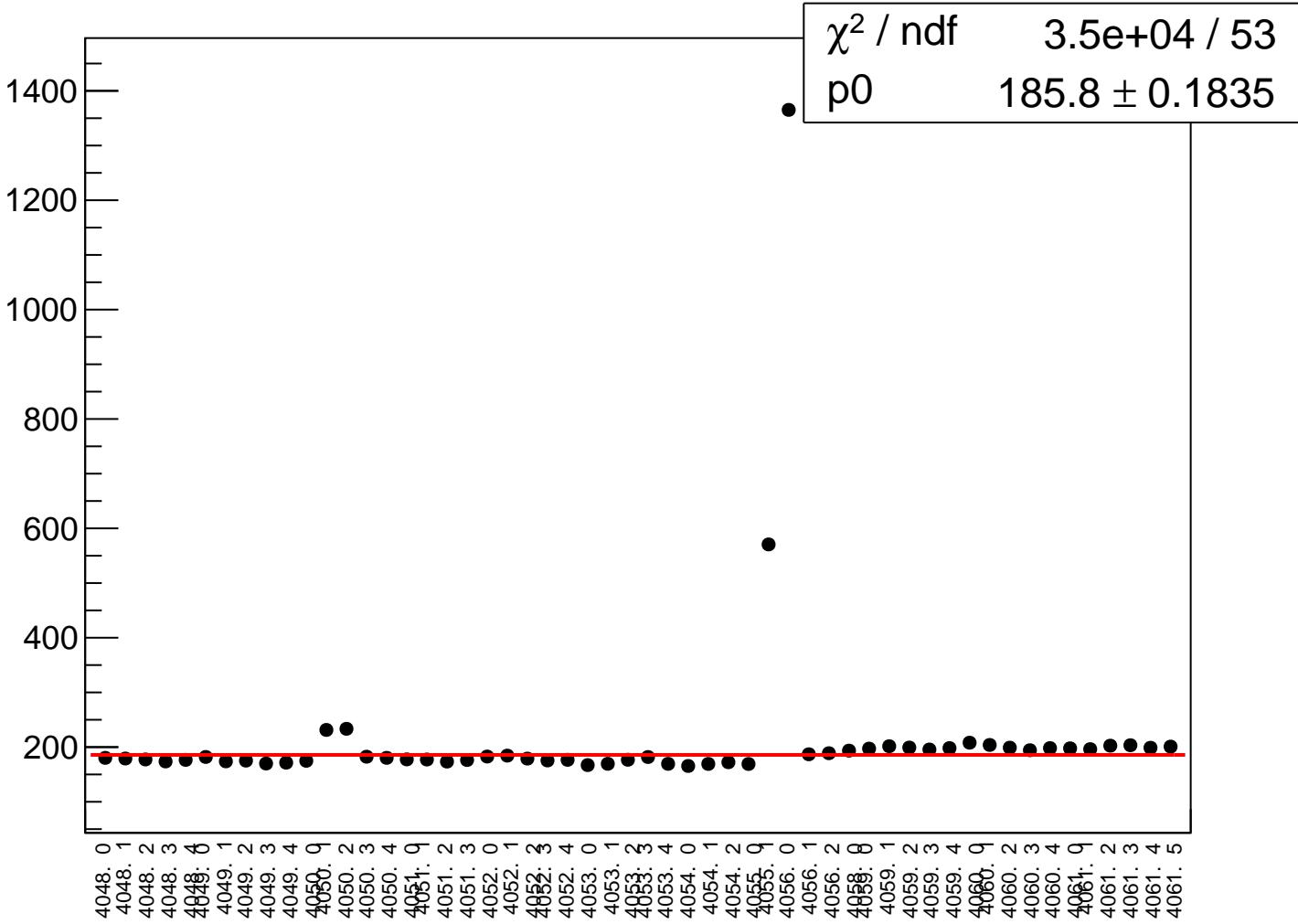
# yield\_bpm2i01WS\_rms vs run



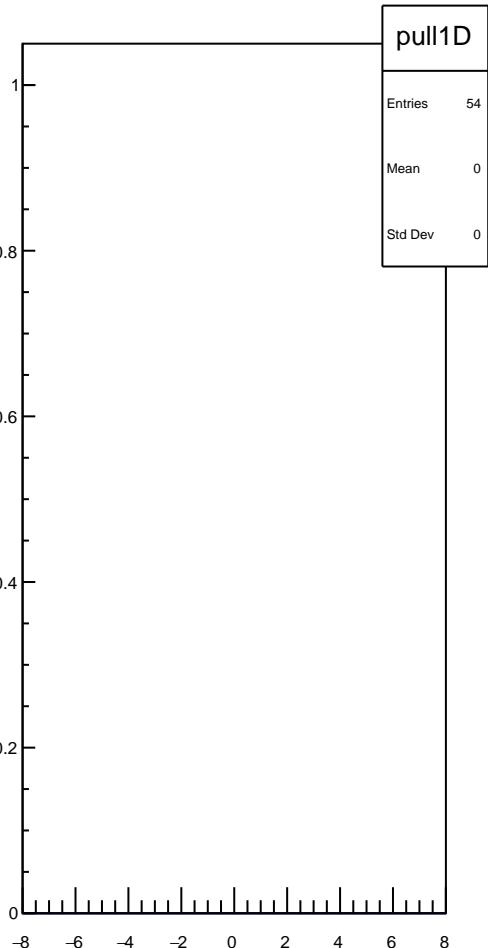
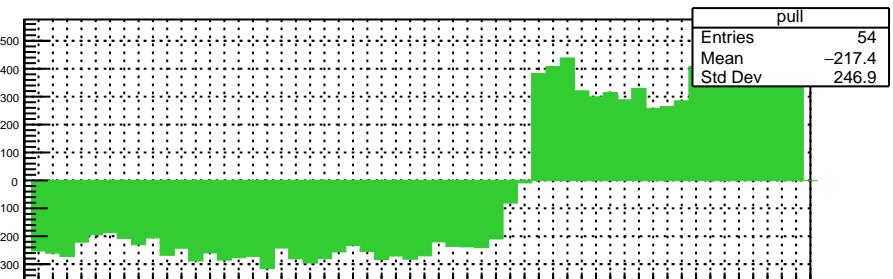
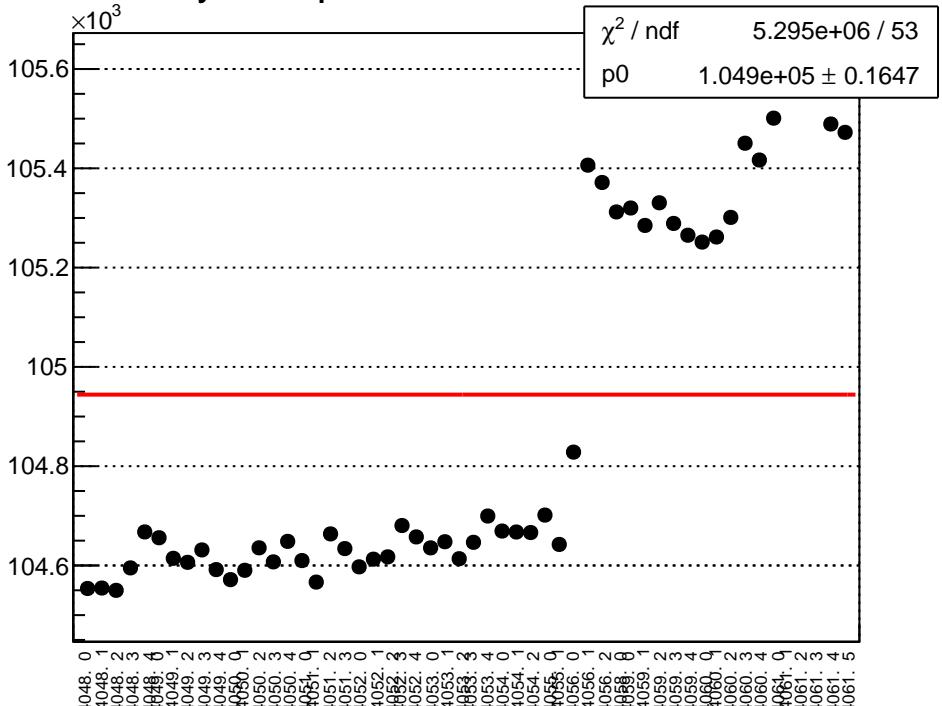
# yield\_bpm0i07WS\_mean vs run



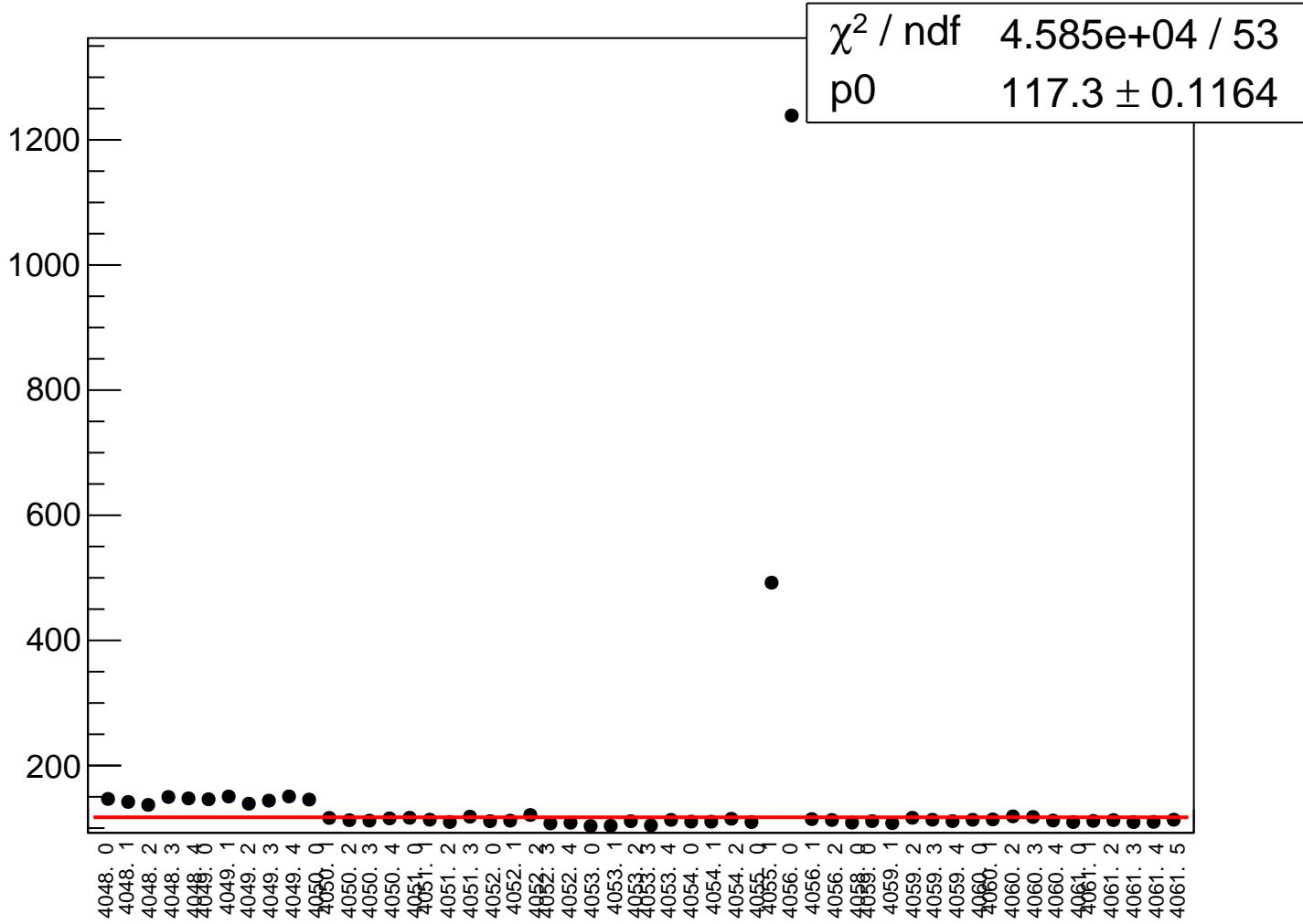
# yield\_bpm0i07WS\_rms vs run



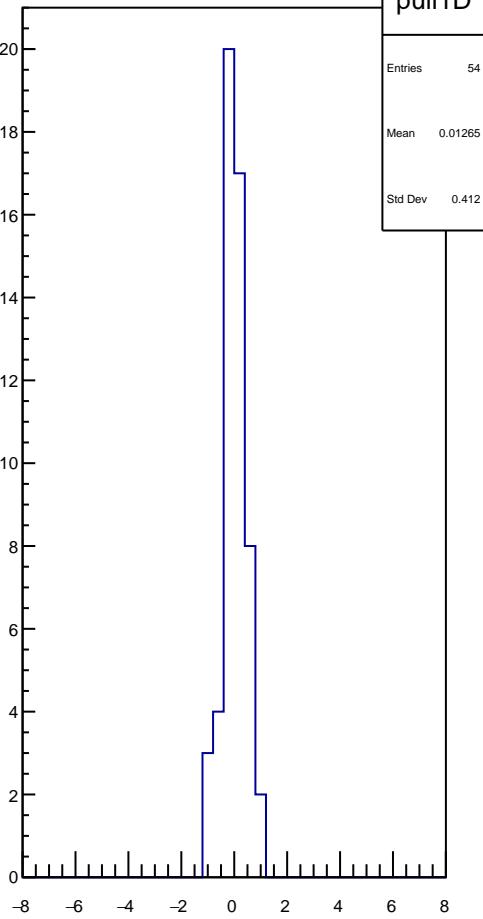
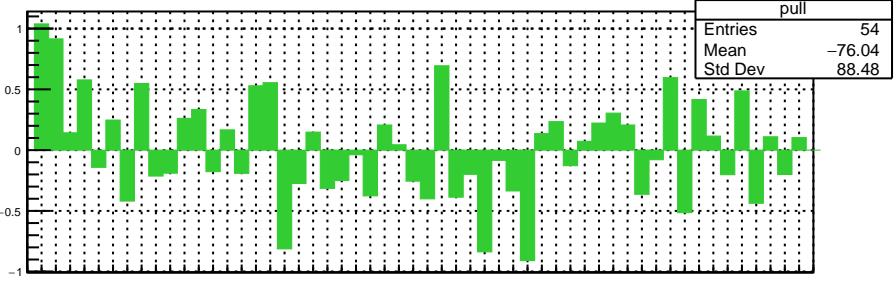
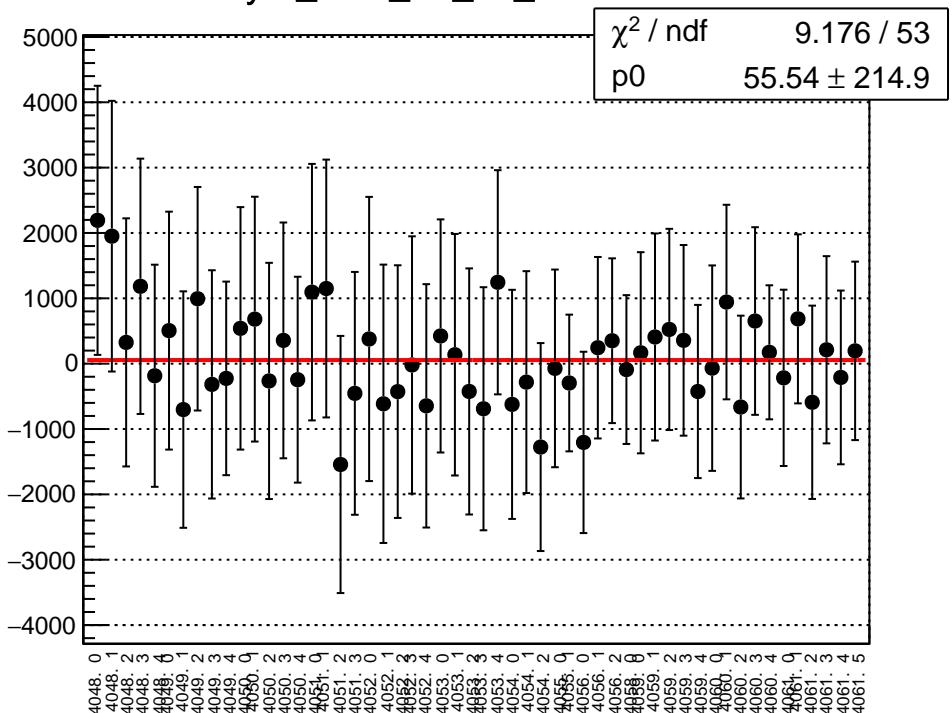
# yield\_bpm0l01WS\_mean vs run



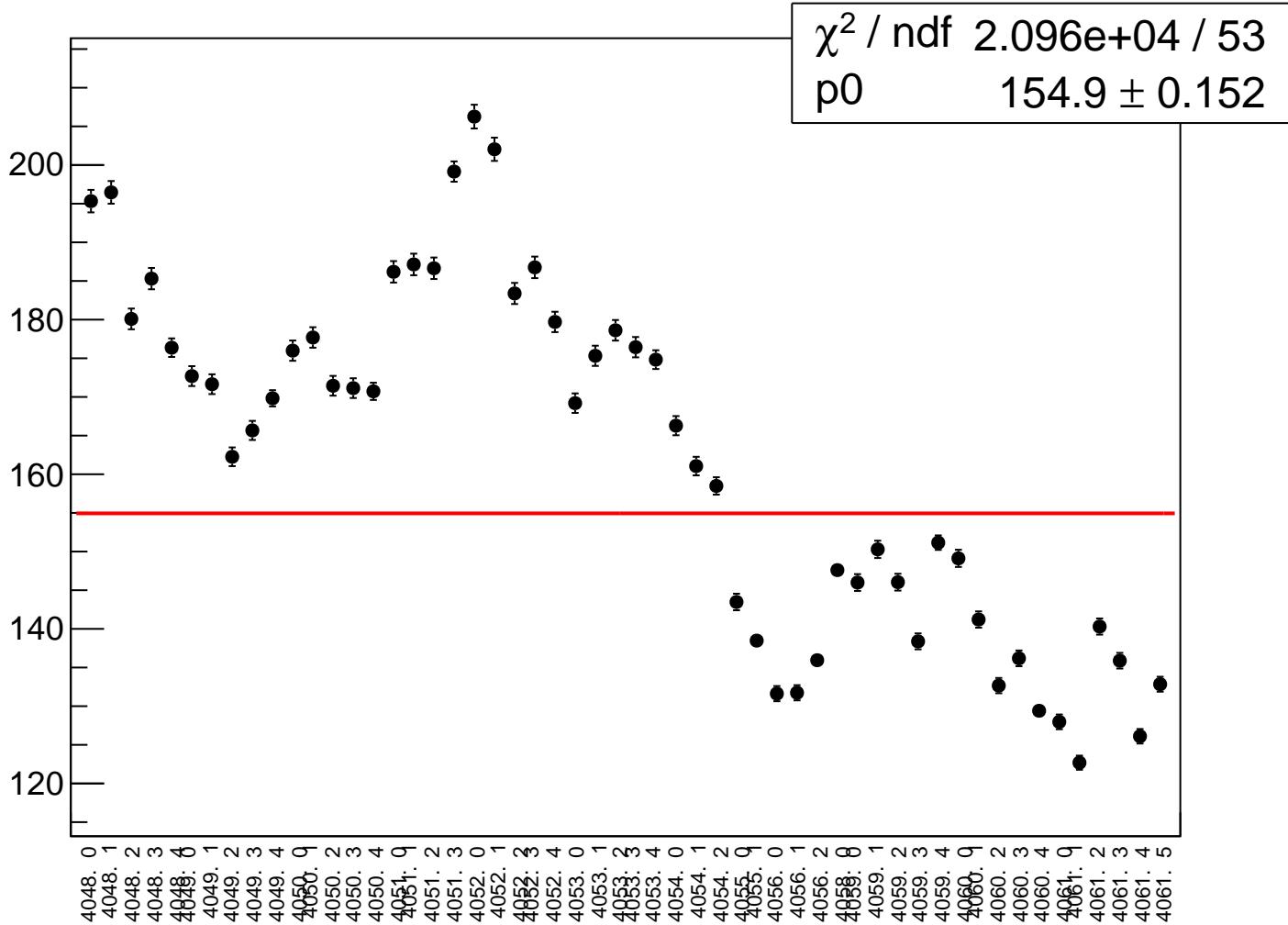
# yield\_bpm0l01WS\_rms vs run



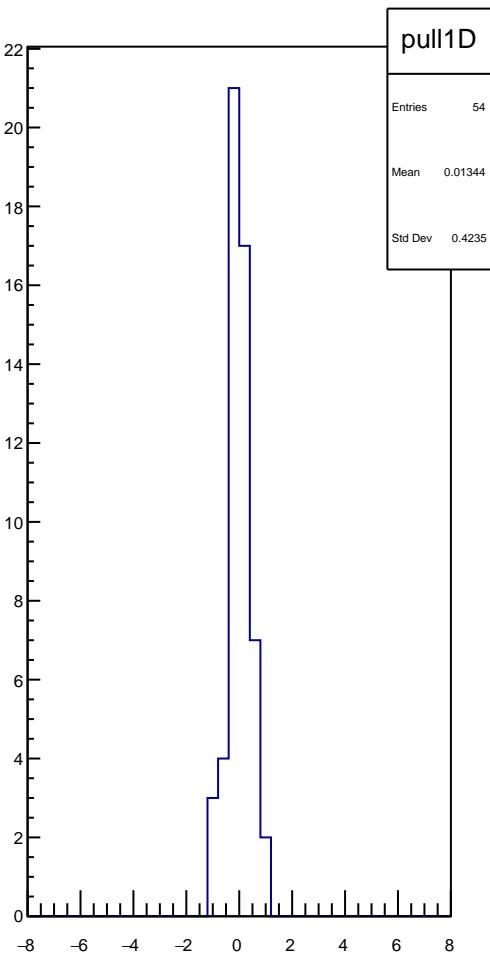
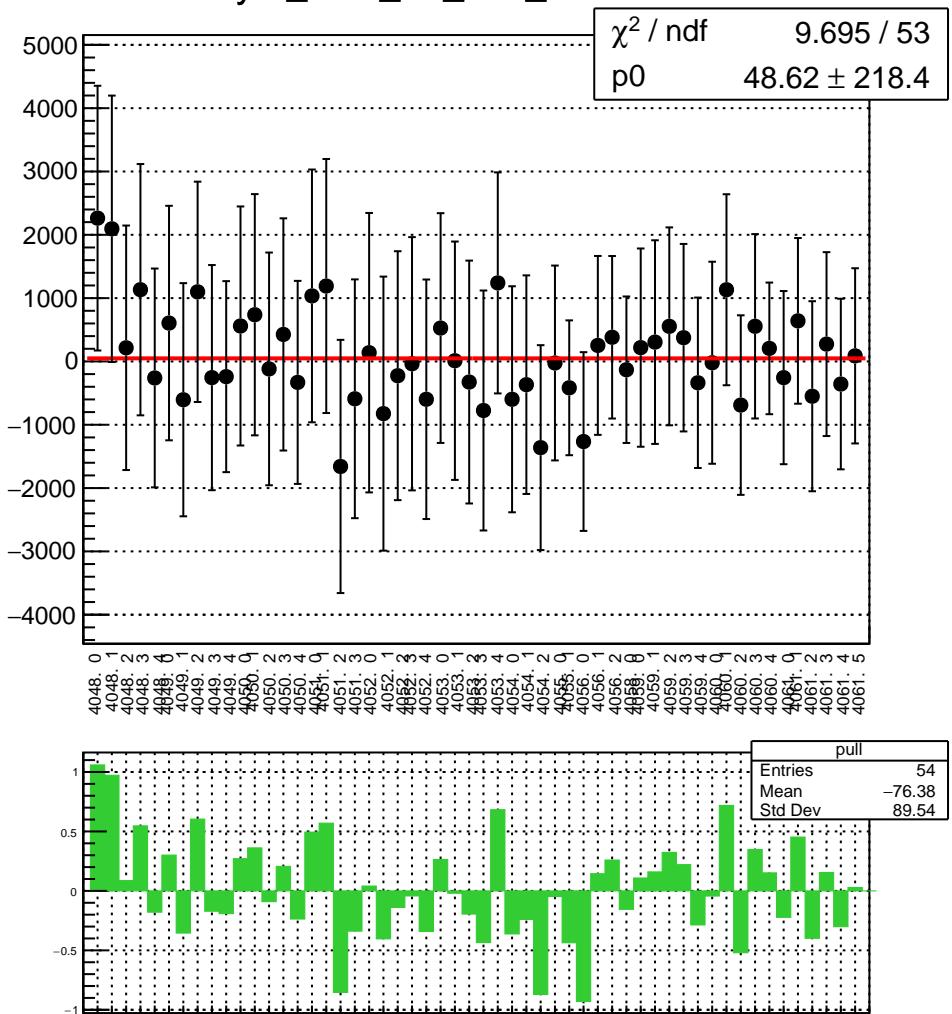
# asym\_bcm\_an\_ds\_mean vs run



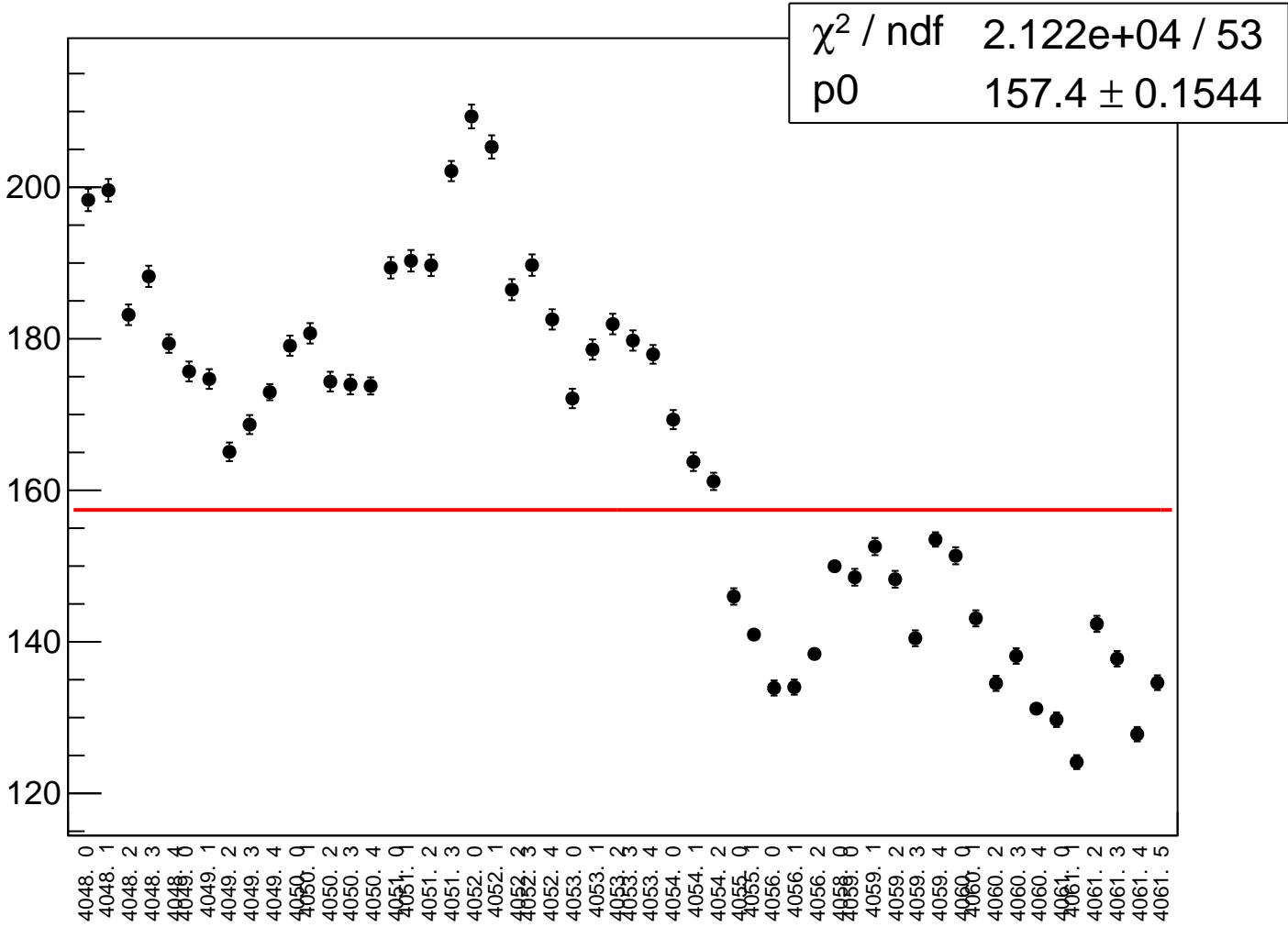
# asym\_bcm\_an\_ds\_rms vs run



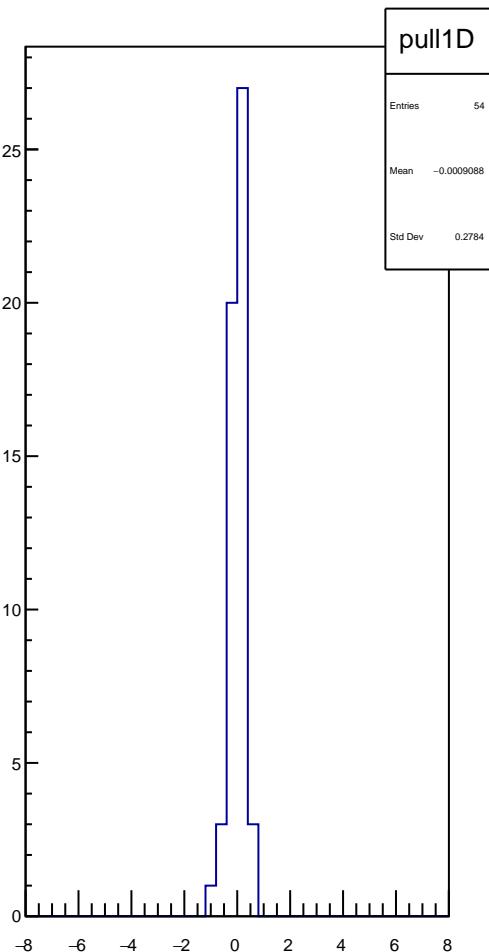
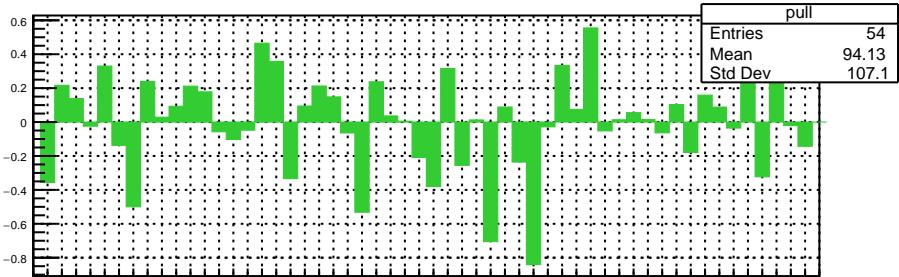
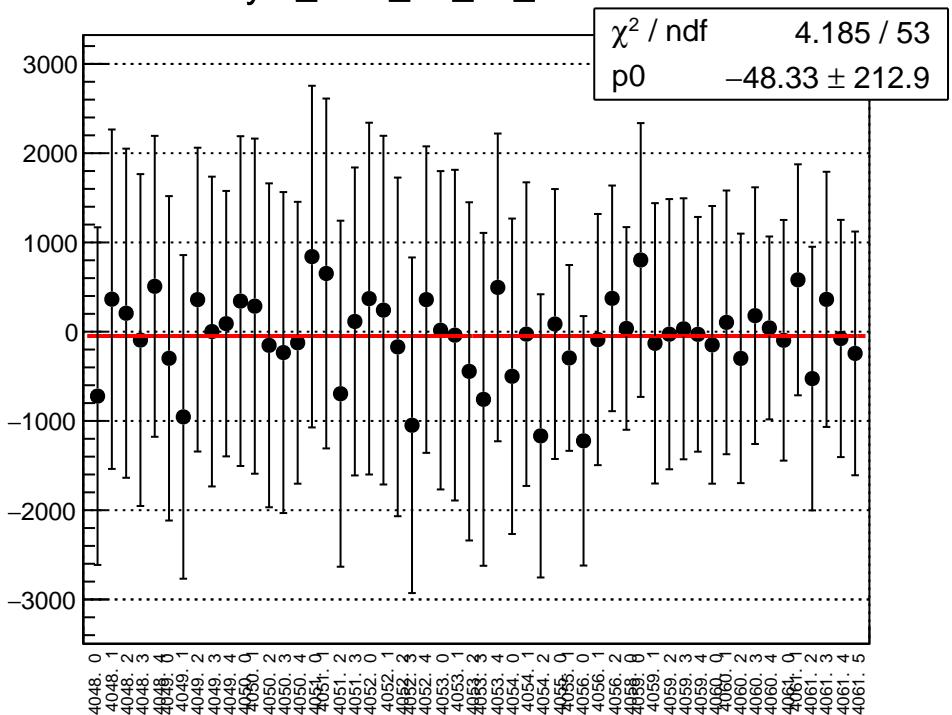
# asym\_bcm\_an\_ds3\_mean vs run



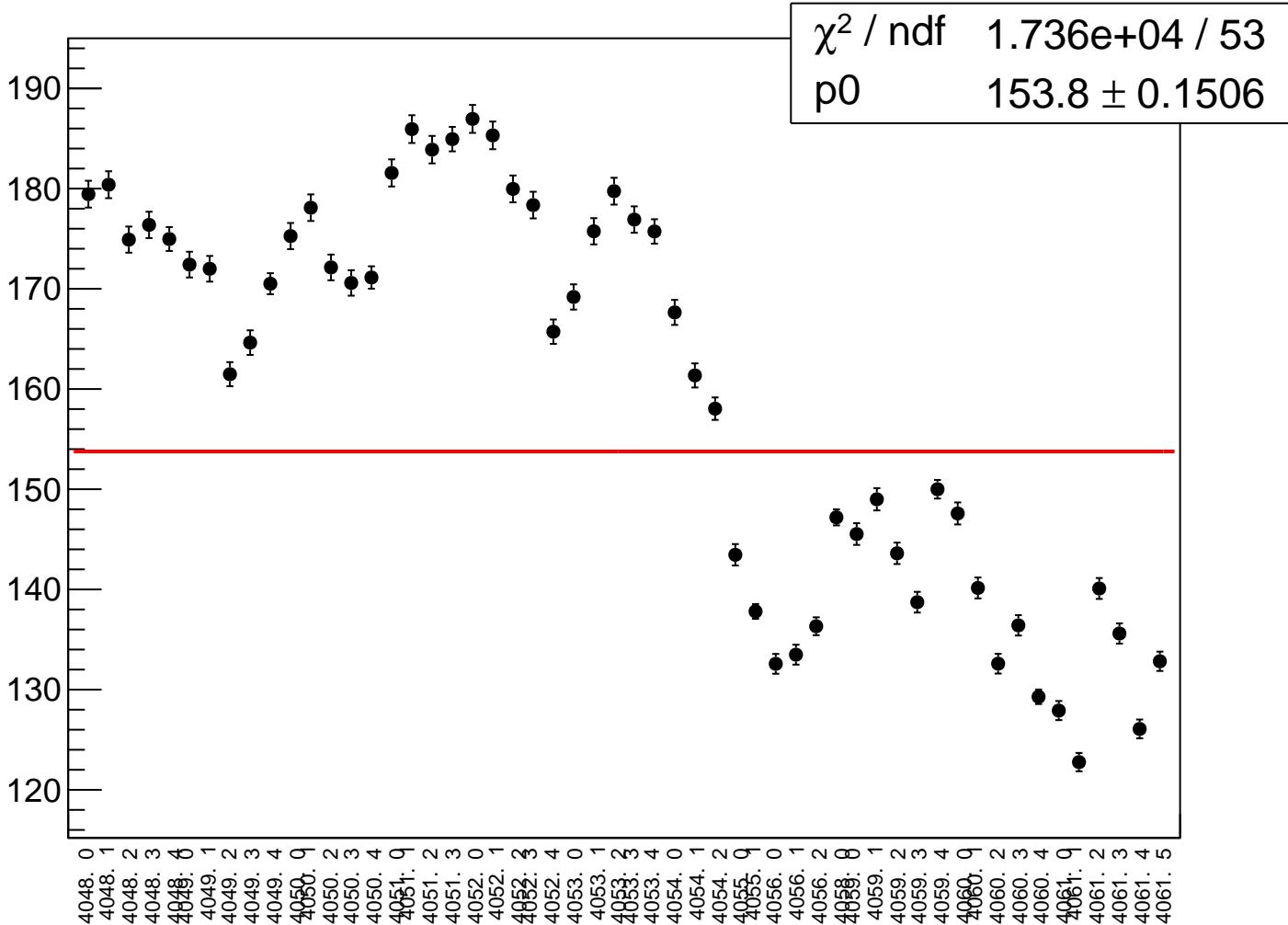
# asym\_bcm\_an\_ds3\_rms vs run



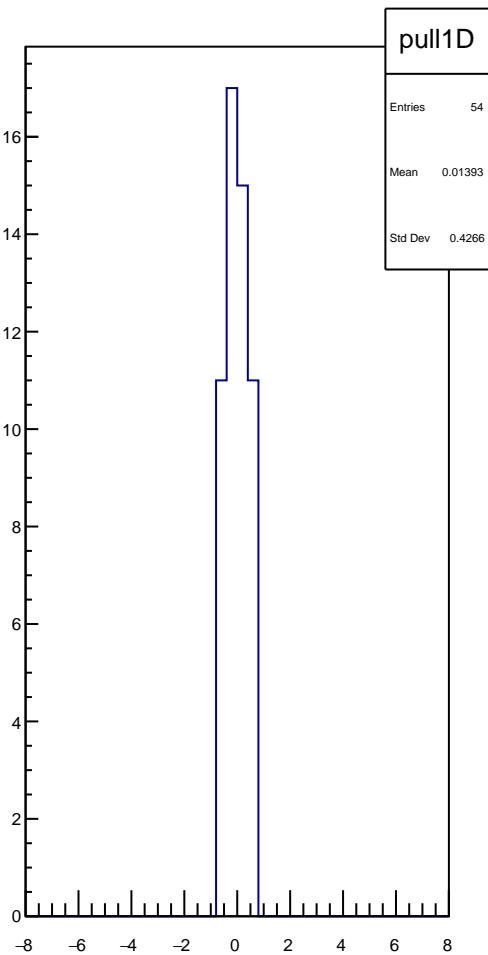
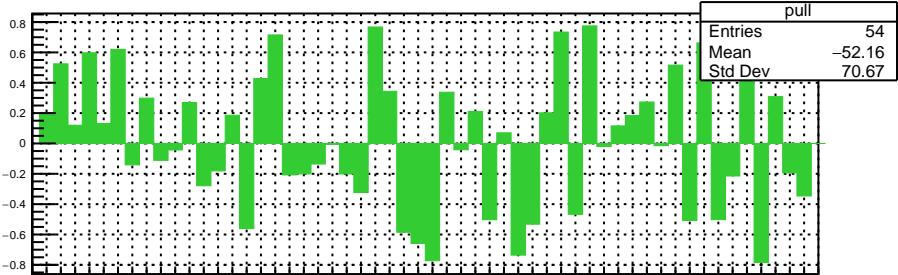
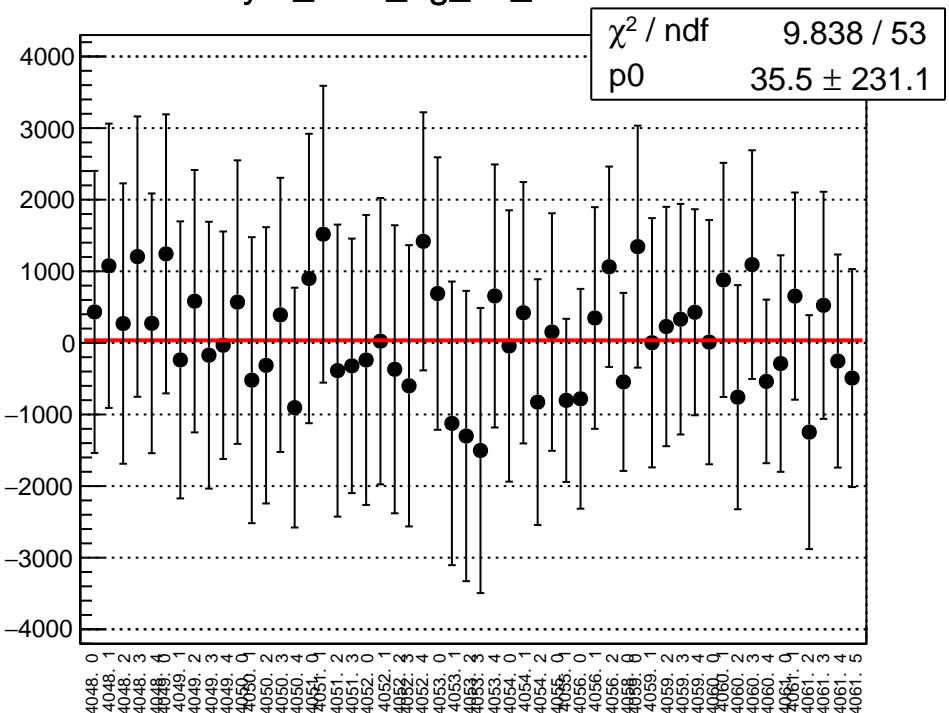
# asym\_bcm\_an\_us\_mean vs run



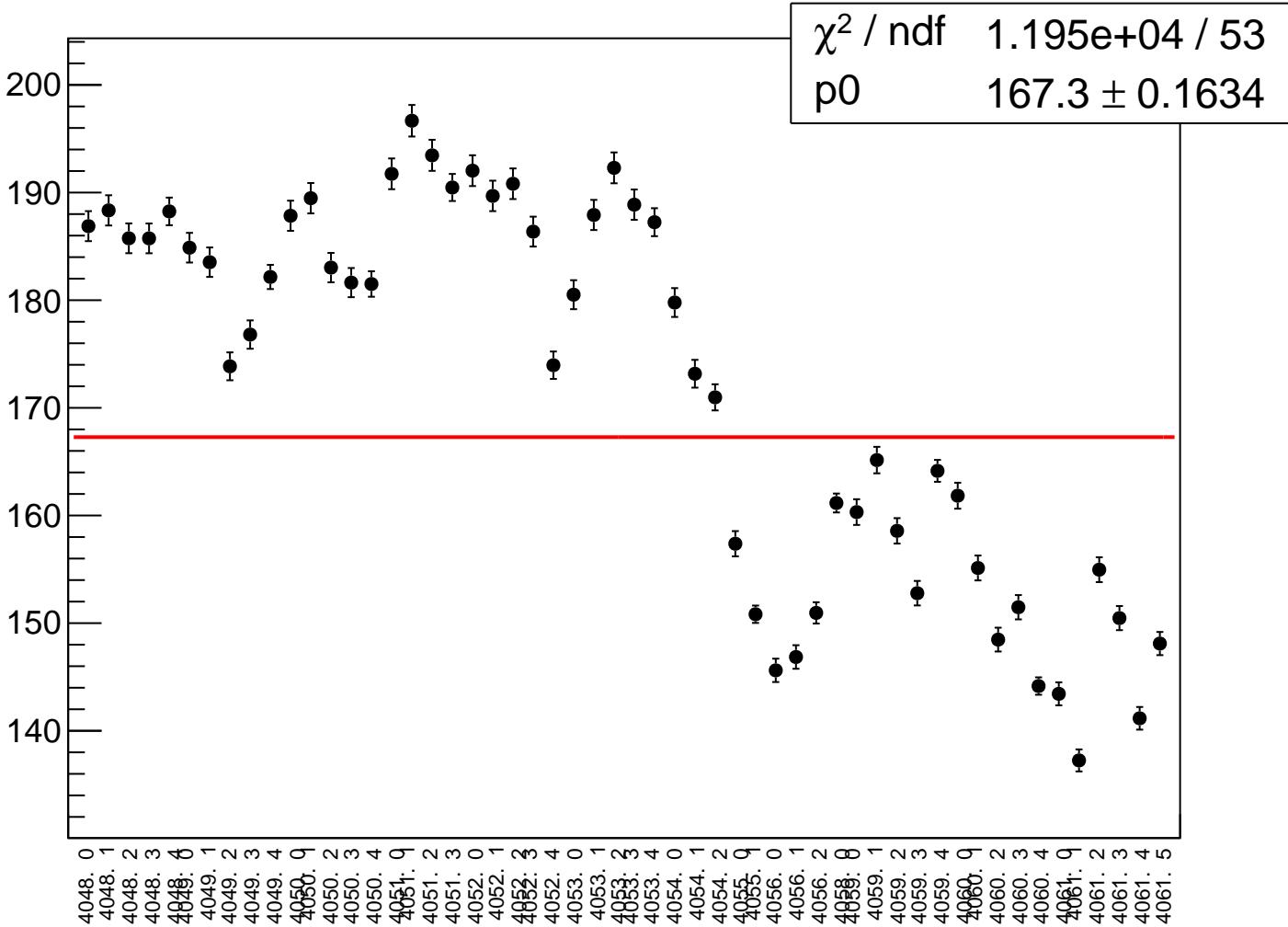
# asym\_bcm\_an\_us\_rms vs run



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

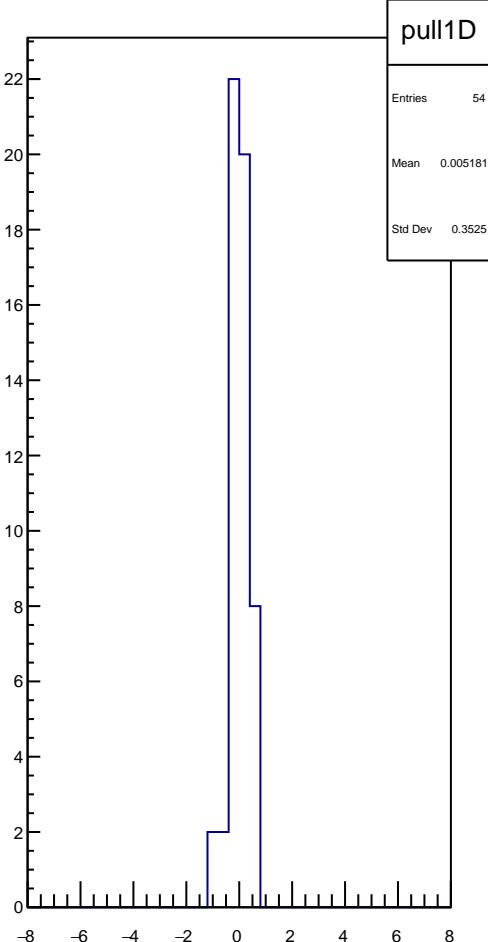
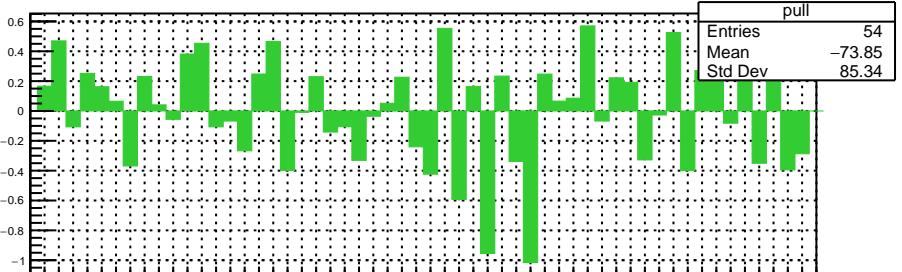
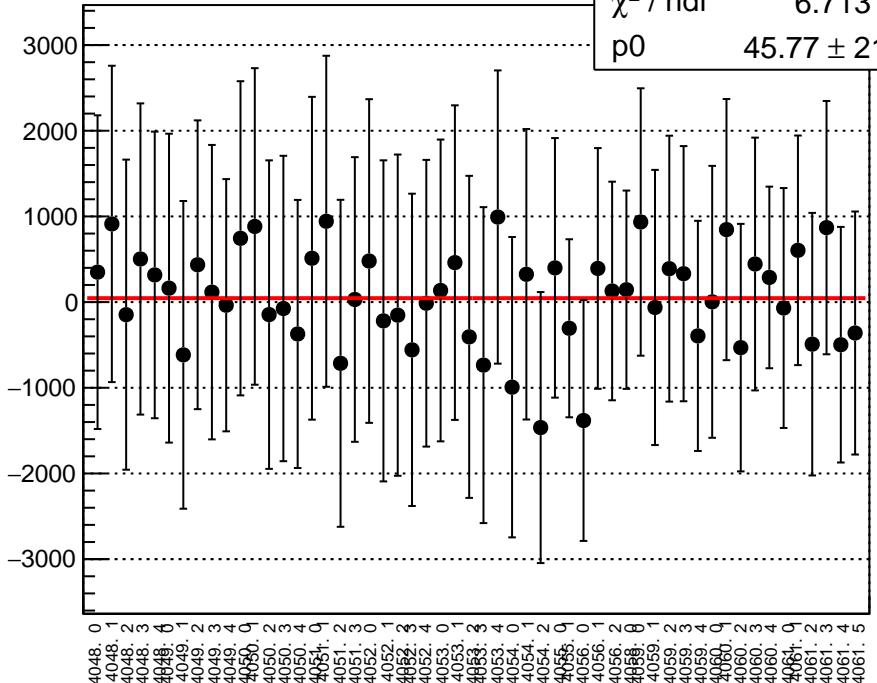


# asym\_bcm\_dg\_us\_rms vs run



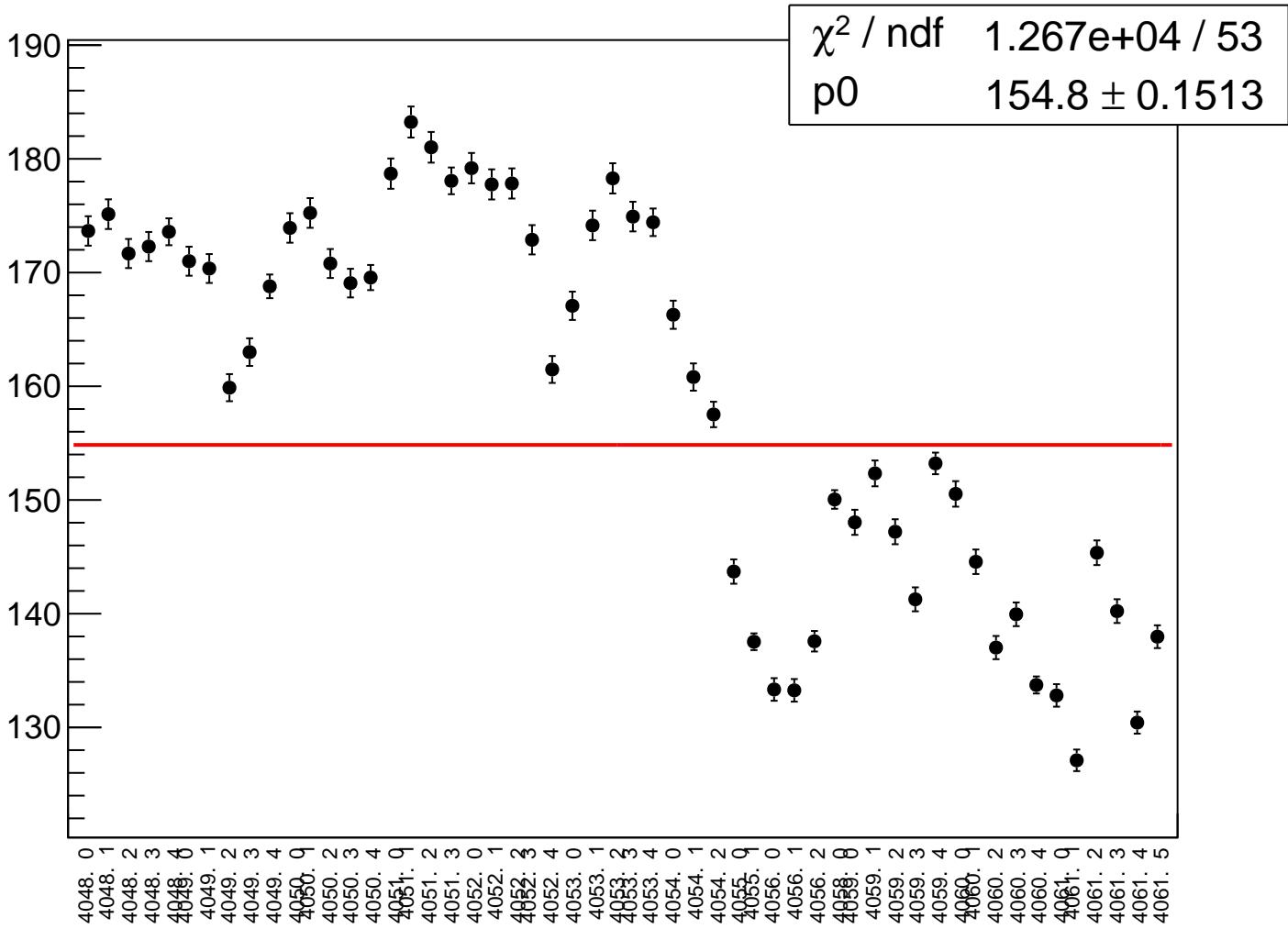
# asym\_bcm\_dg\_ds\_mean vs run

$\chi^2 / \text{ndf}$  6.713 / 53  
 $p0$   $45.77 \pm 213.9$

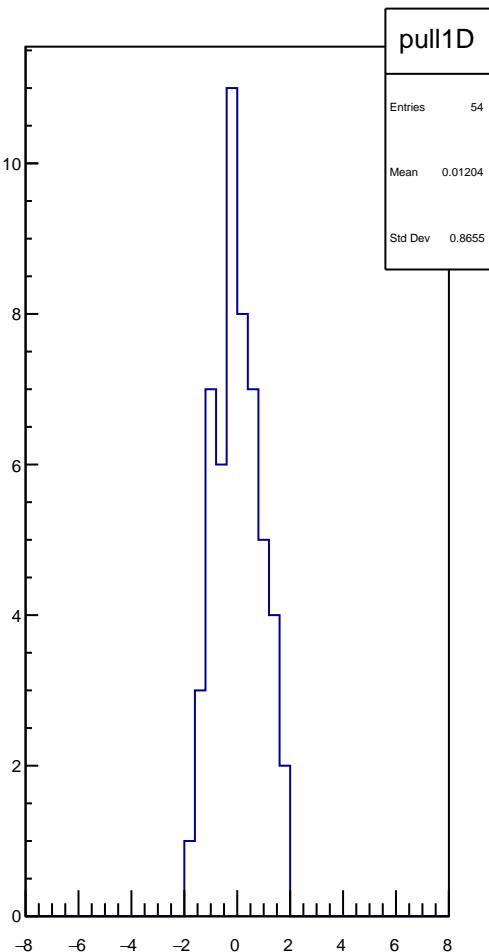
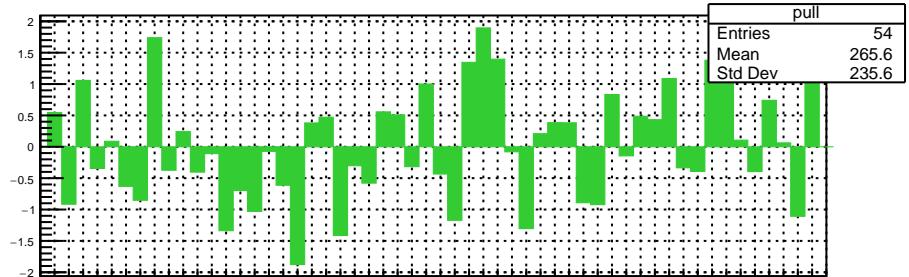
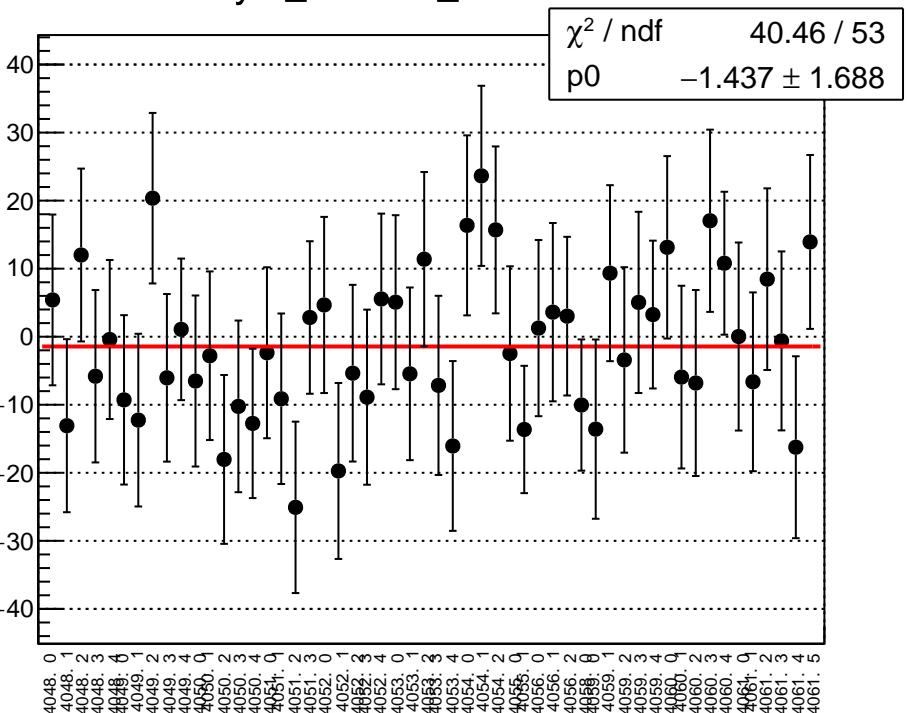


pull1D

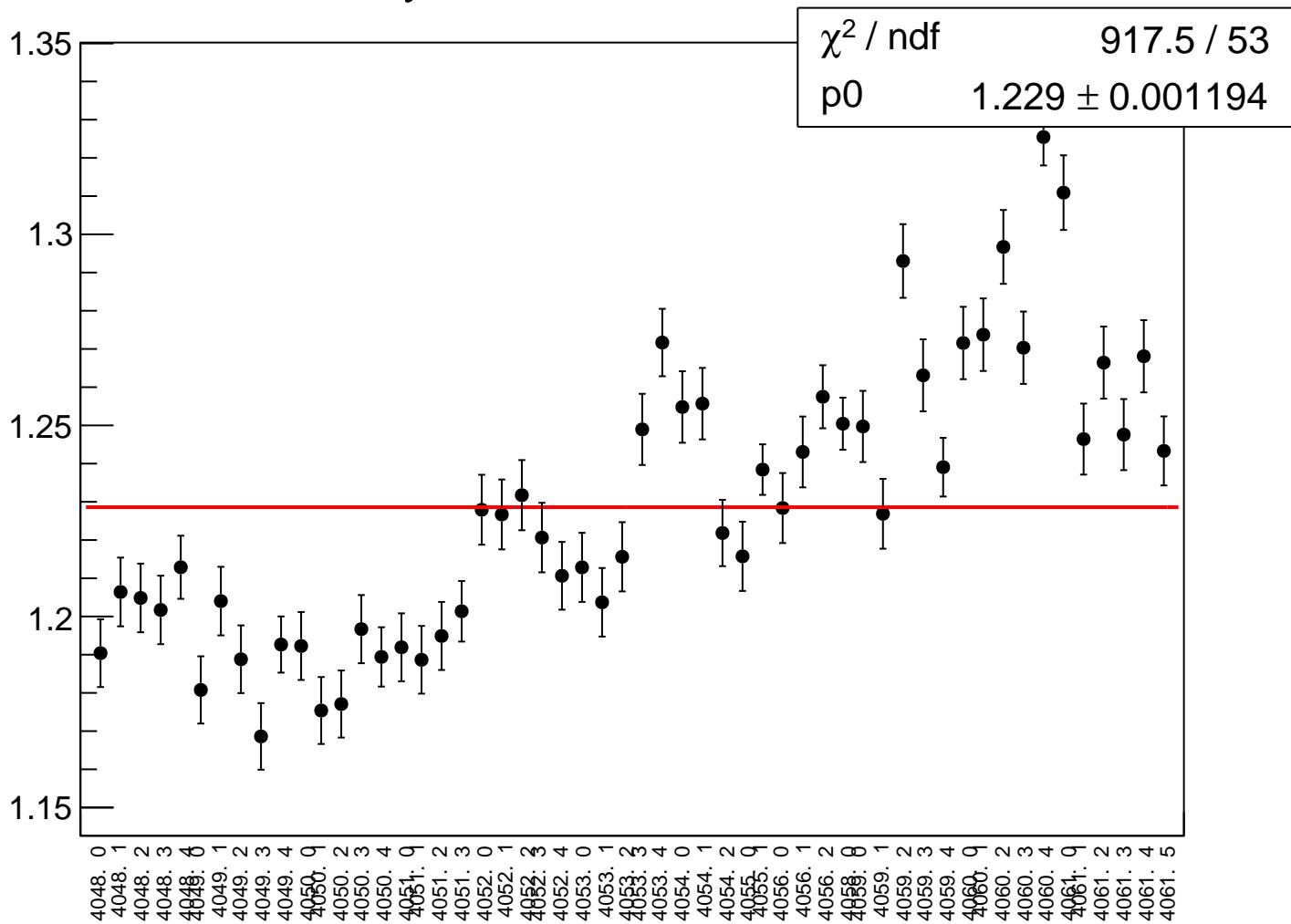
# asym\_bcm\_dg\_ds\_rms vs run



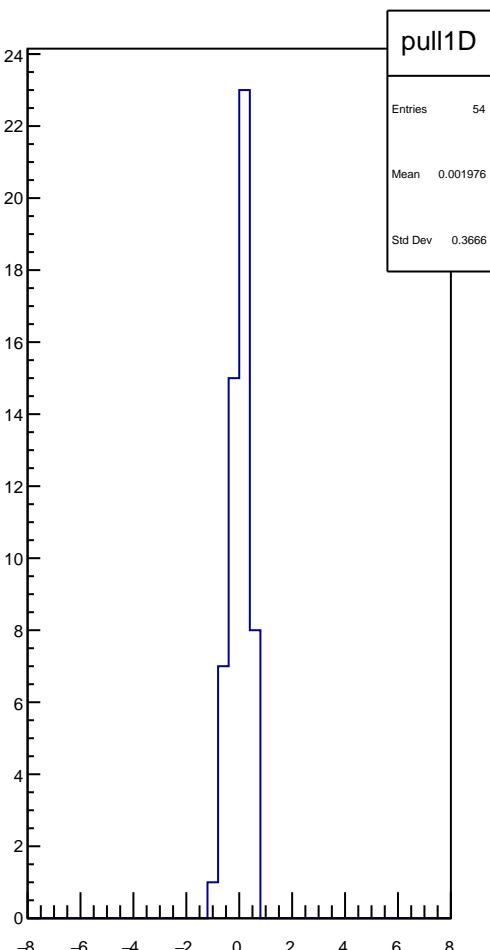
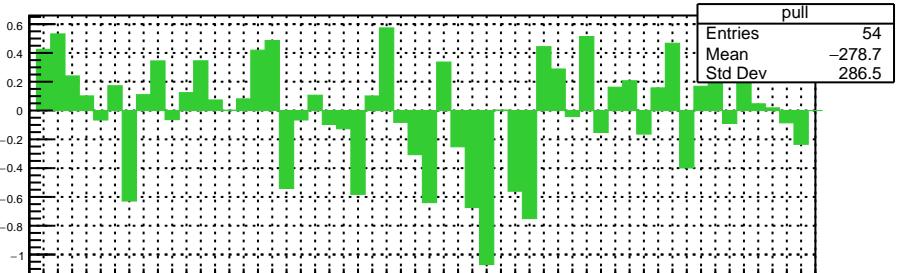
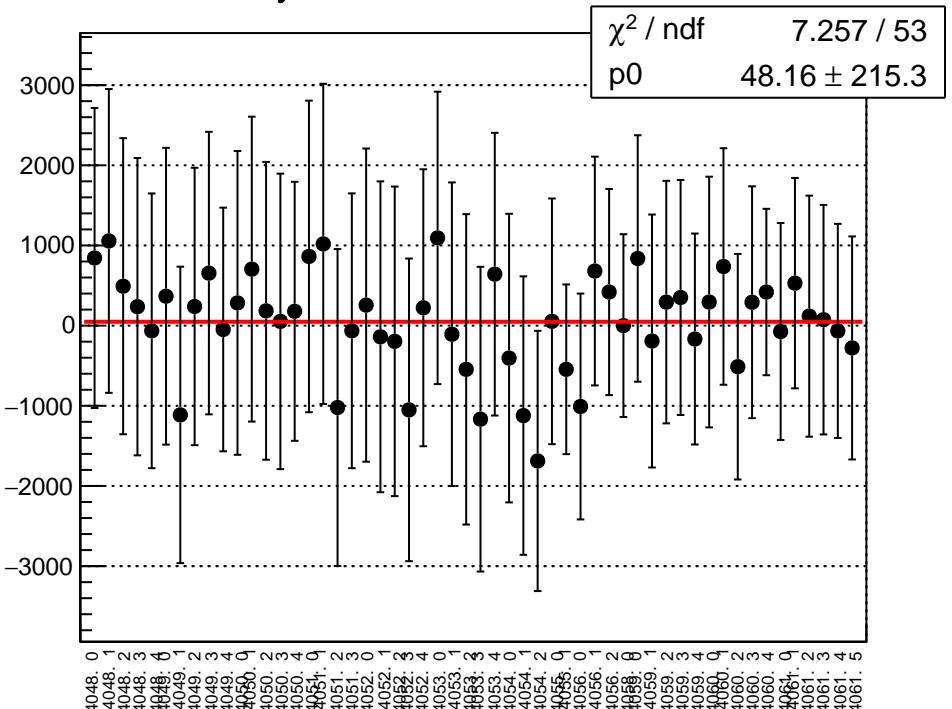
# asym\_cav4bQ\_mean vs run



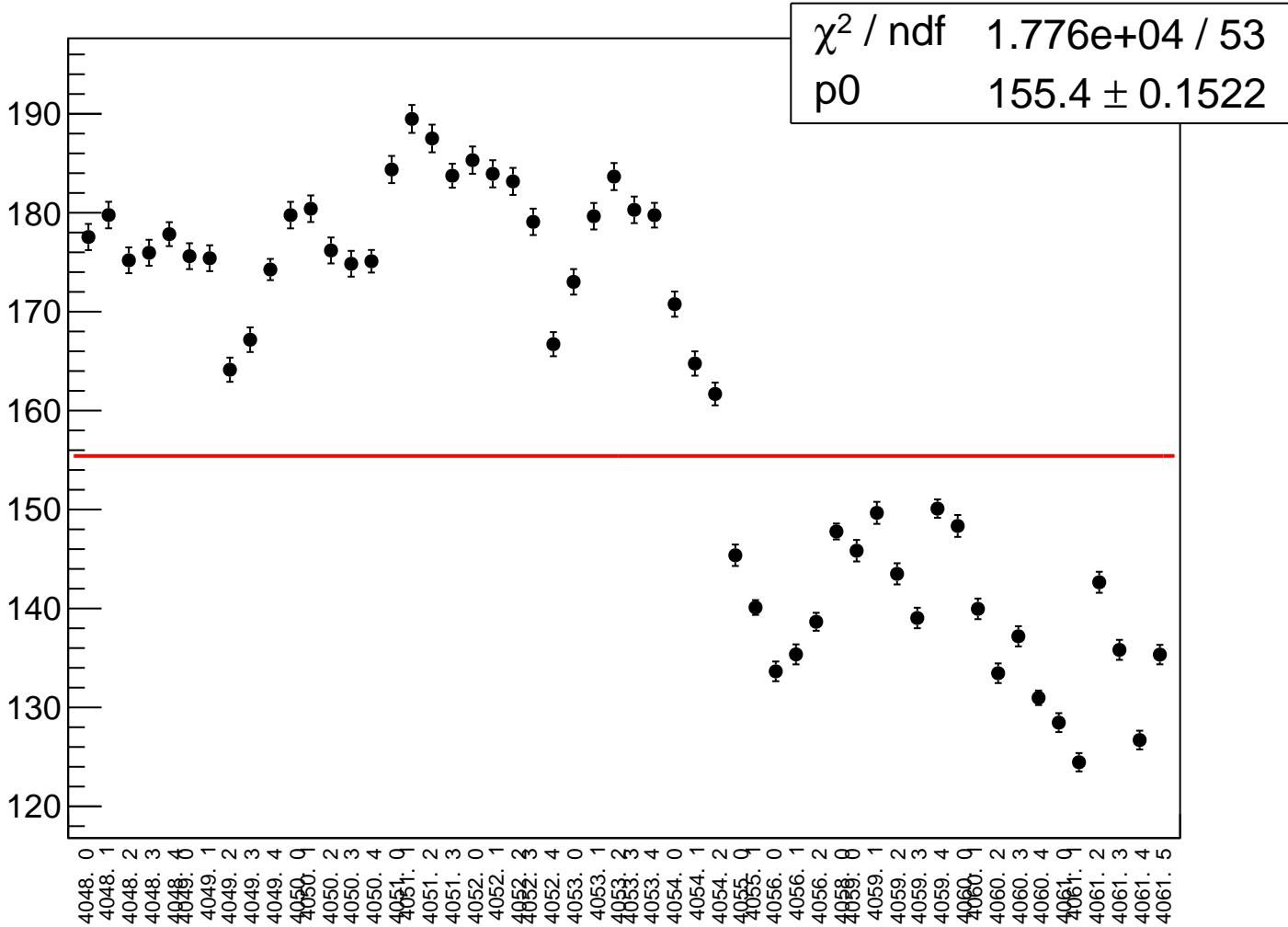
# asym\_cav4bQ\_rms vs run



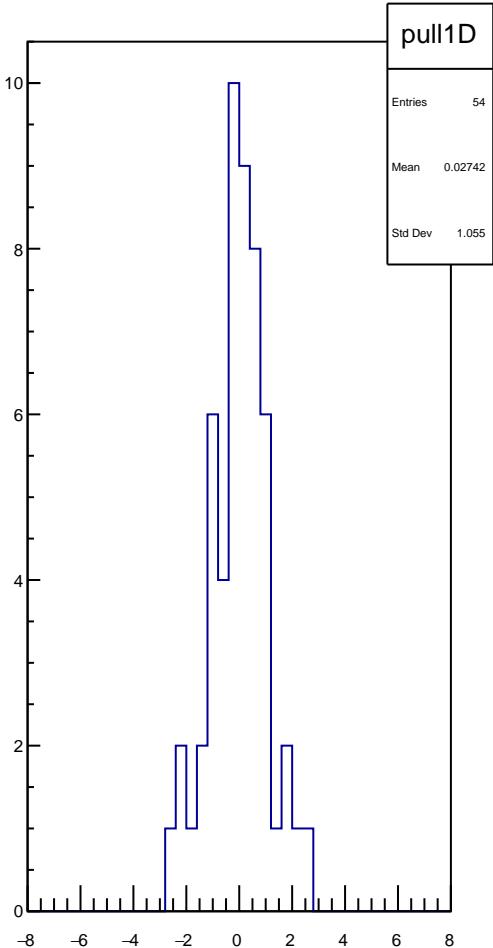
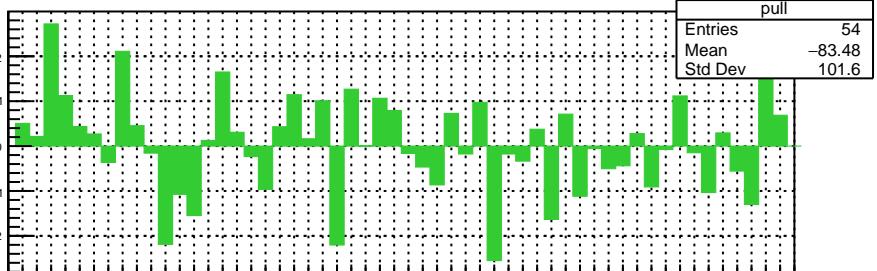
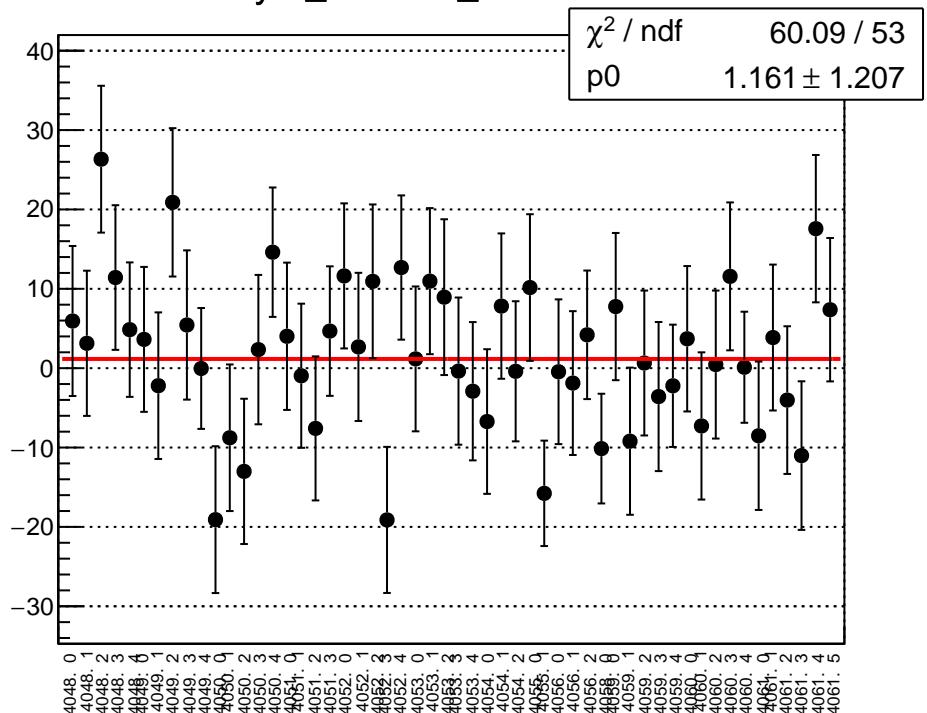
# asym\_cav4cQ\_mean vs run



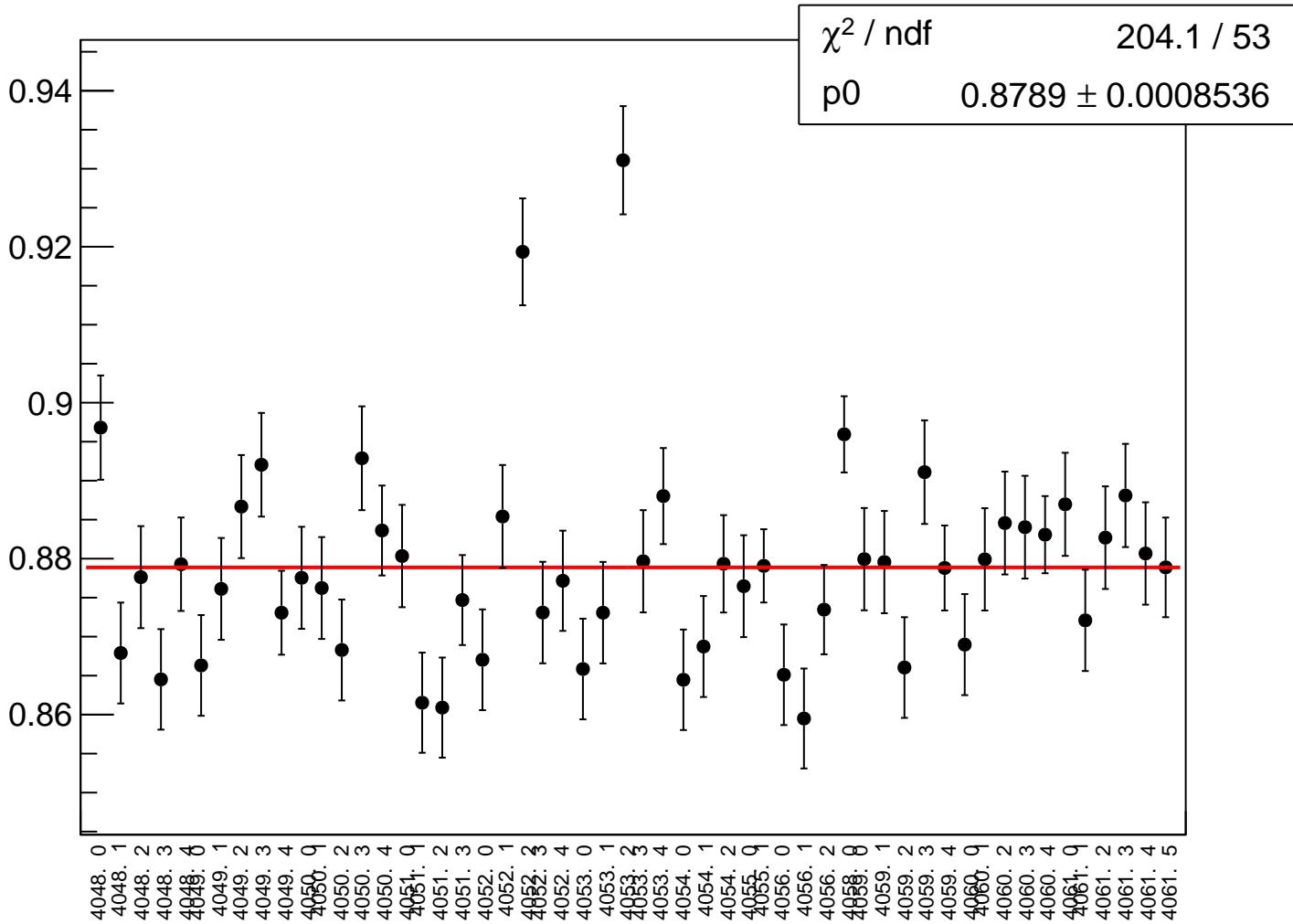
# asym\_cav4cQ\_rms vs run



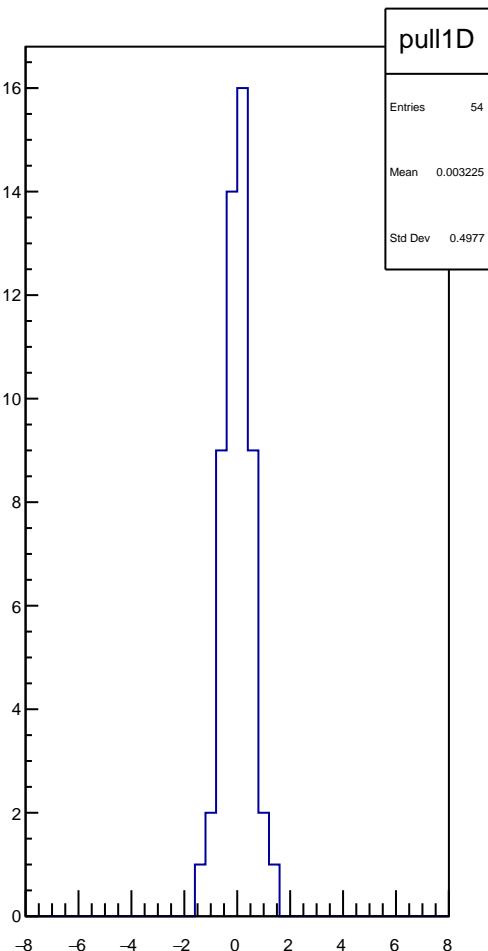
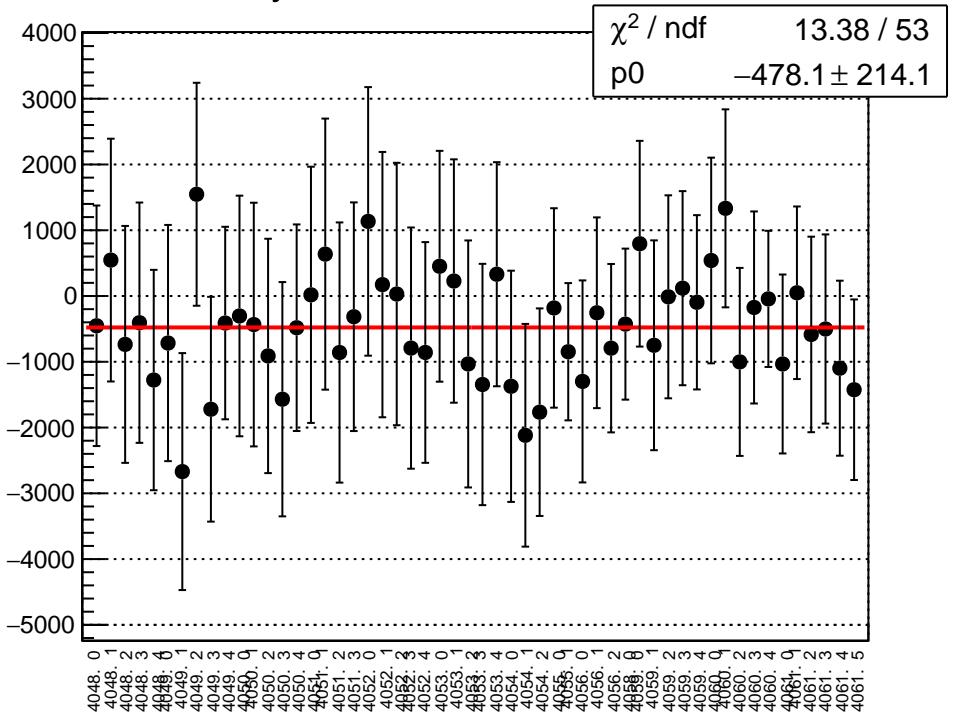
# asym\_cav4dQ\_mean vs run



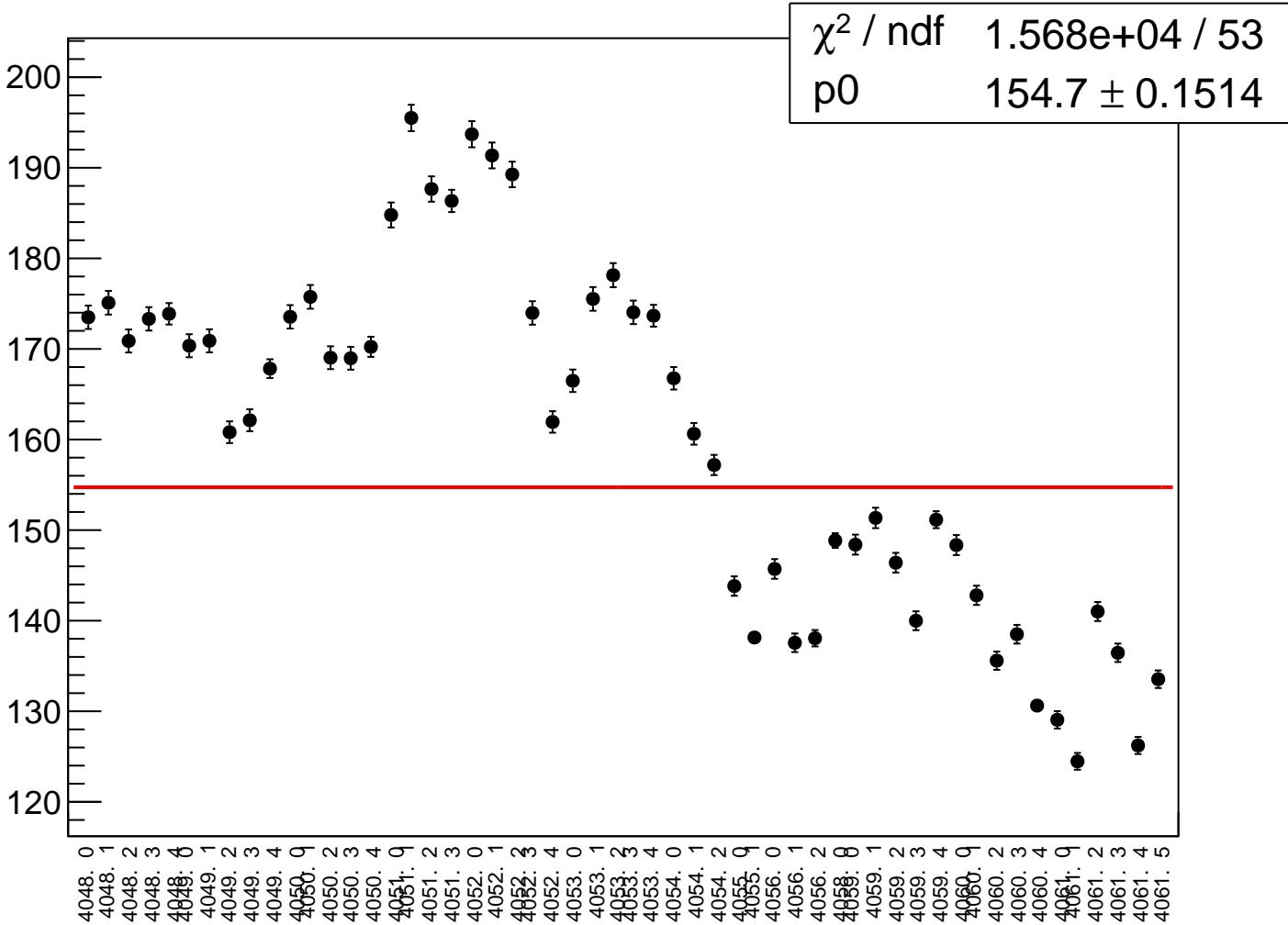
# asym\_cav4dQ\_rms vs run



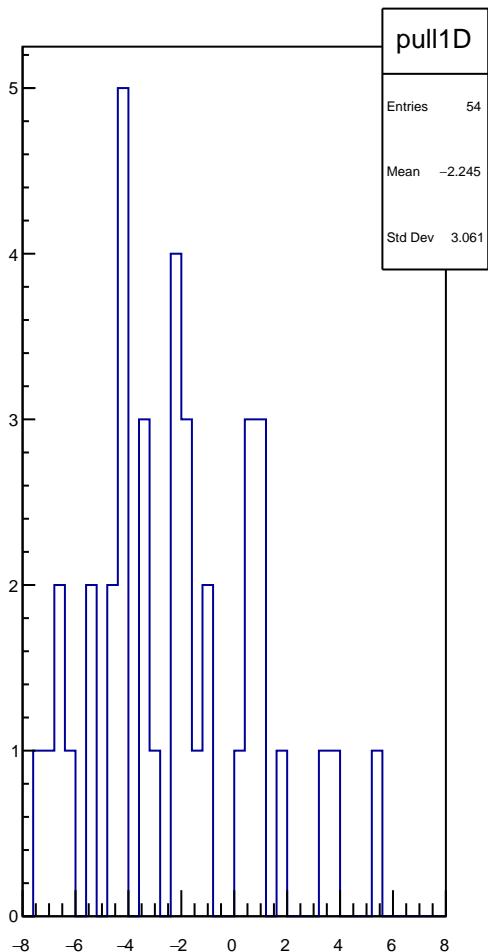
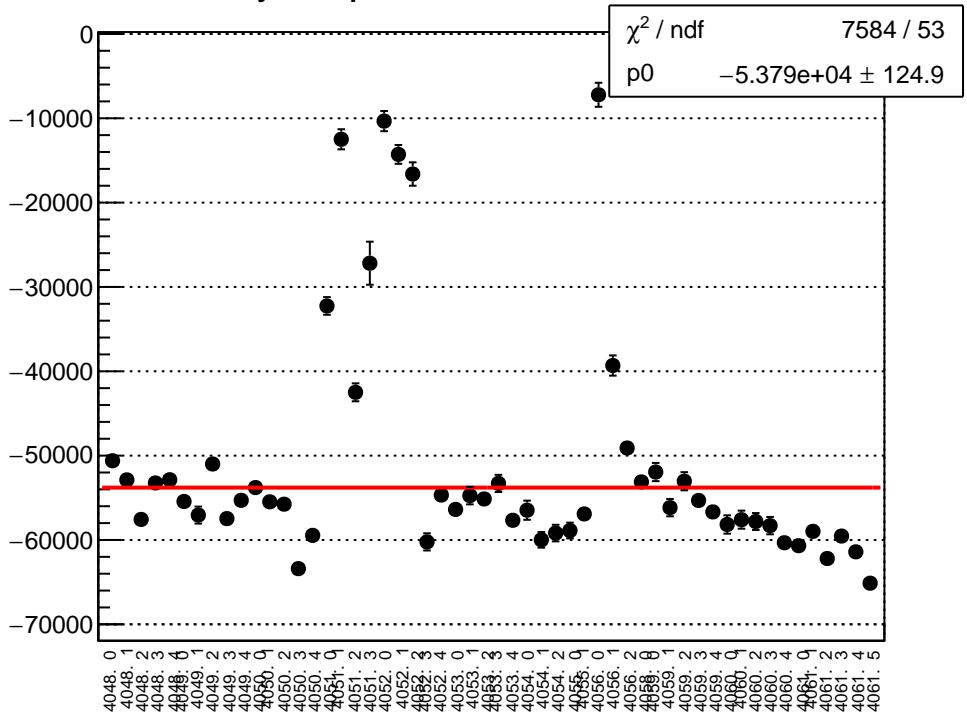
# asym\_bcm0l02\_mean vs run



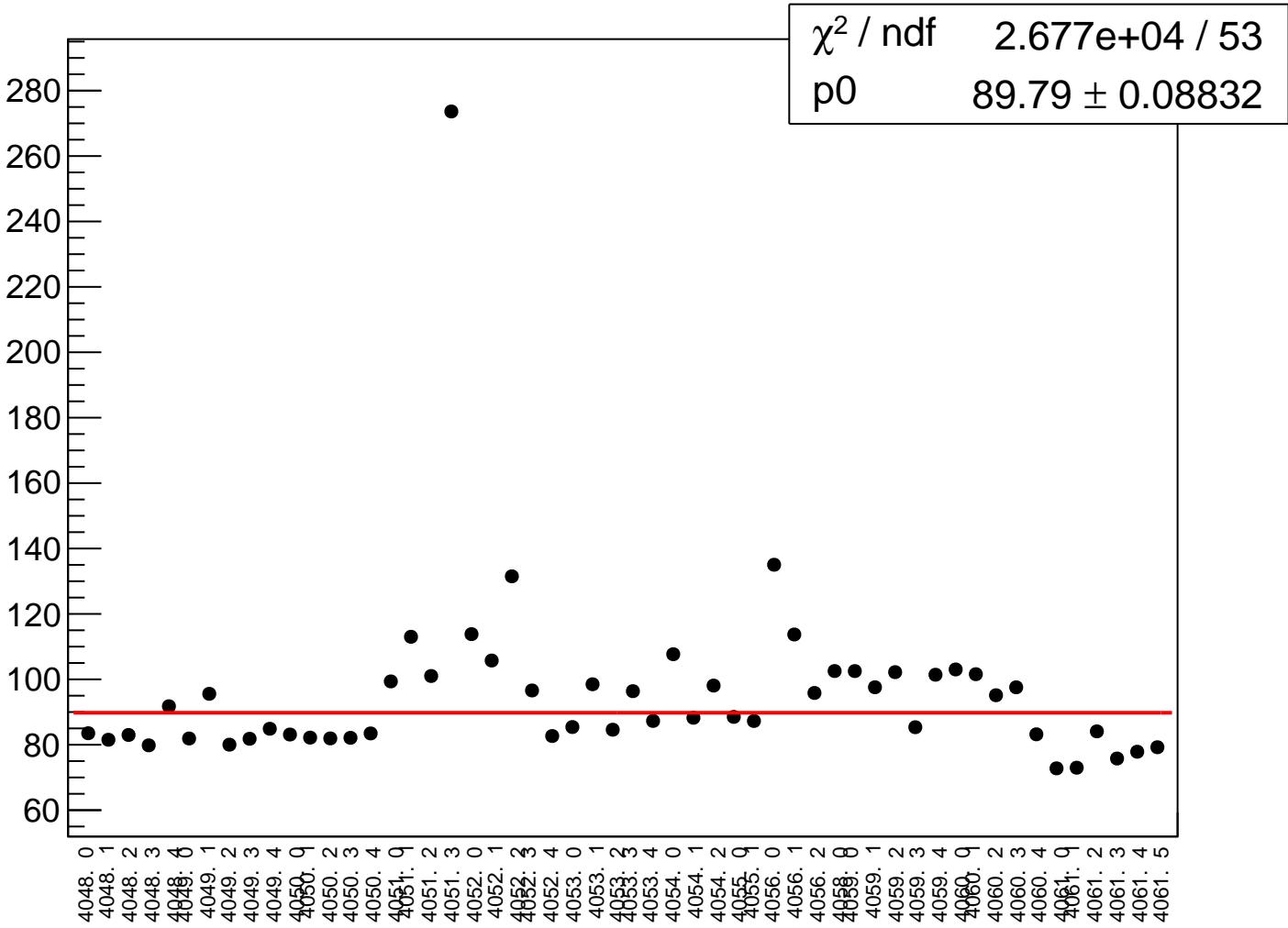
# asym\_bcm0l02\_rms vs run



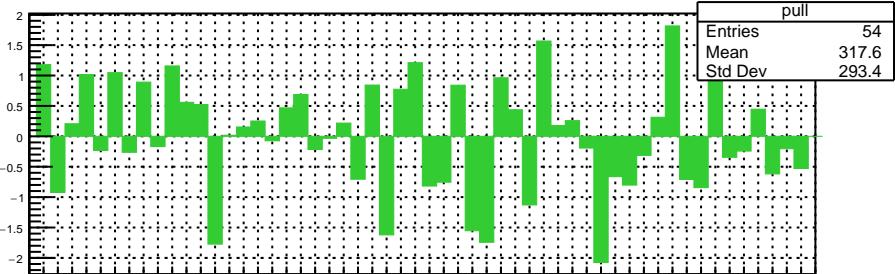
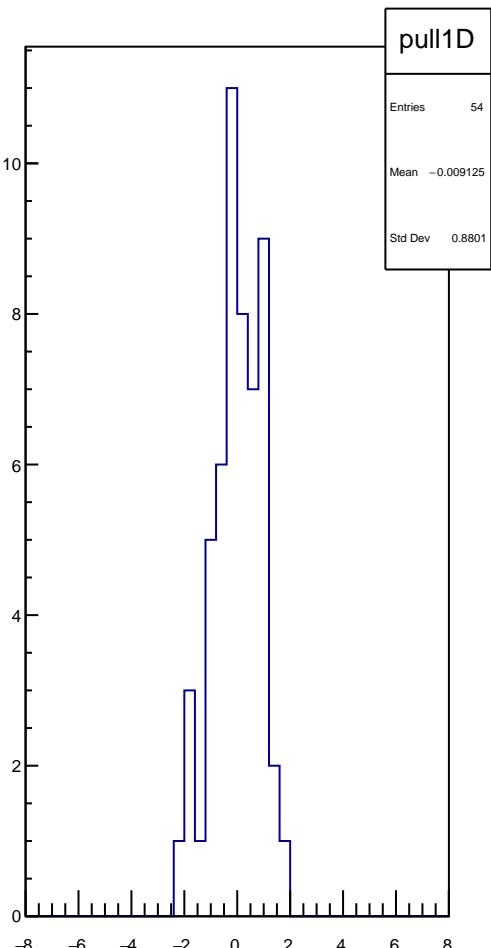
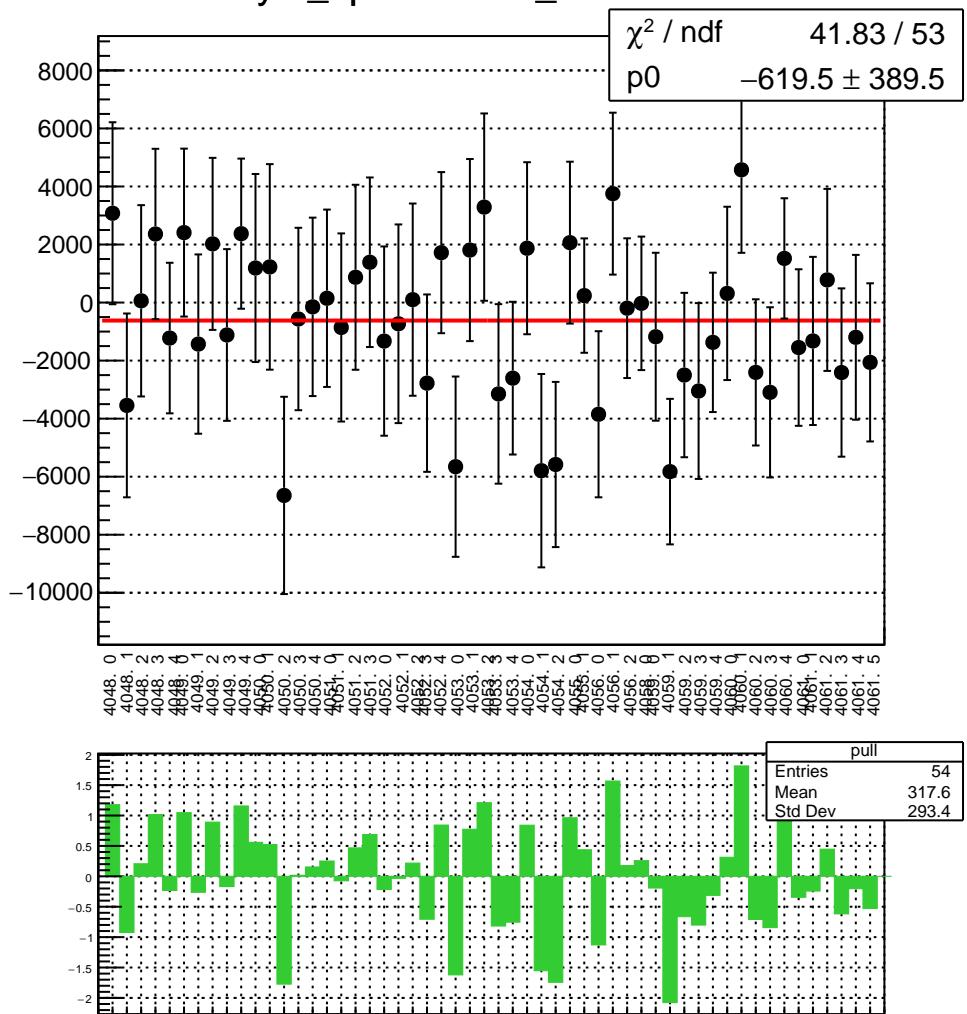
# asym\_bpm2i01WS\_mean vs run



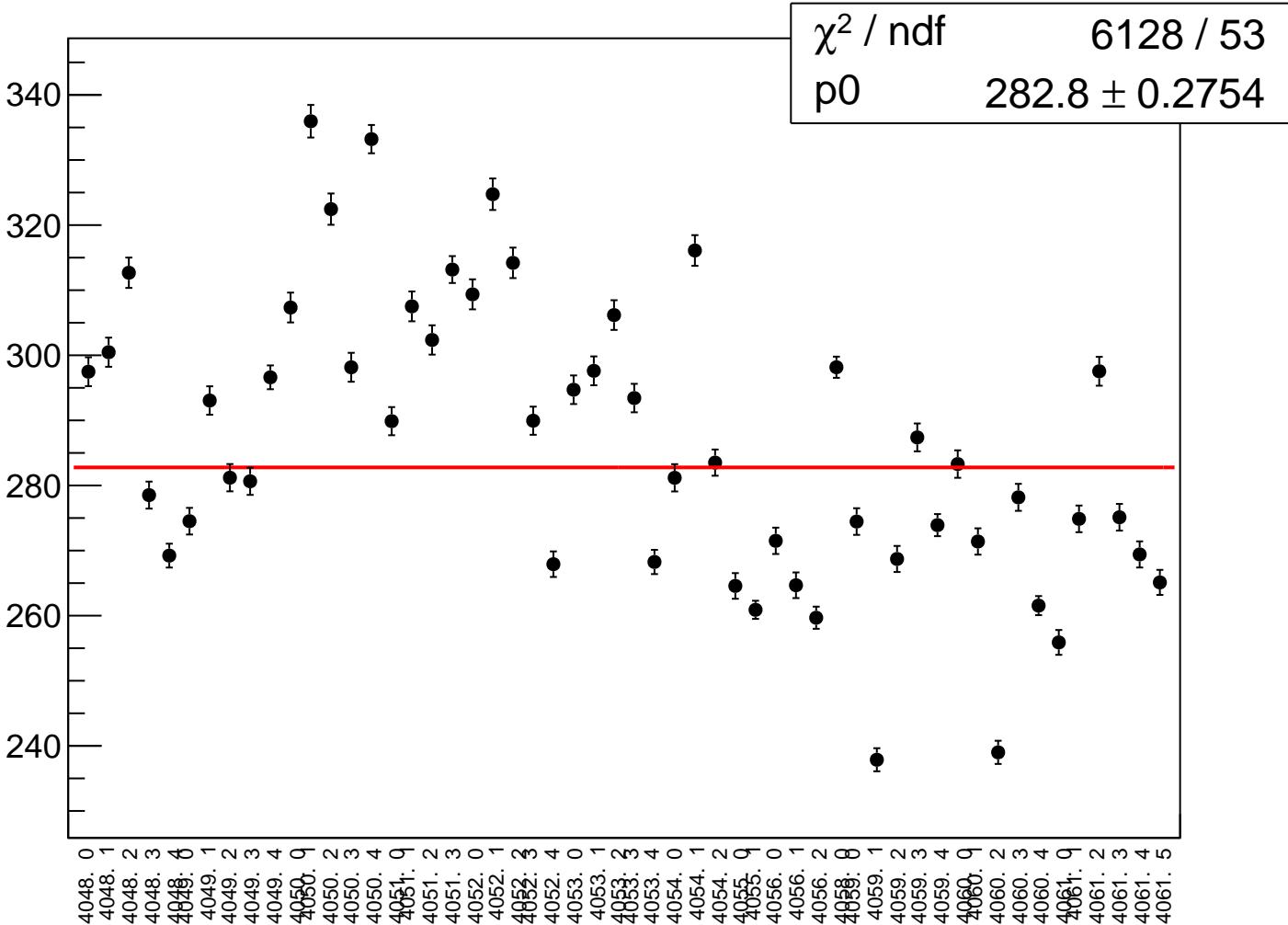
# asym\_bpm2i01WS\_rms vs run



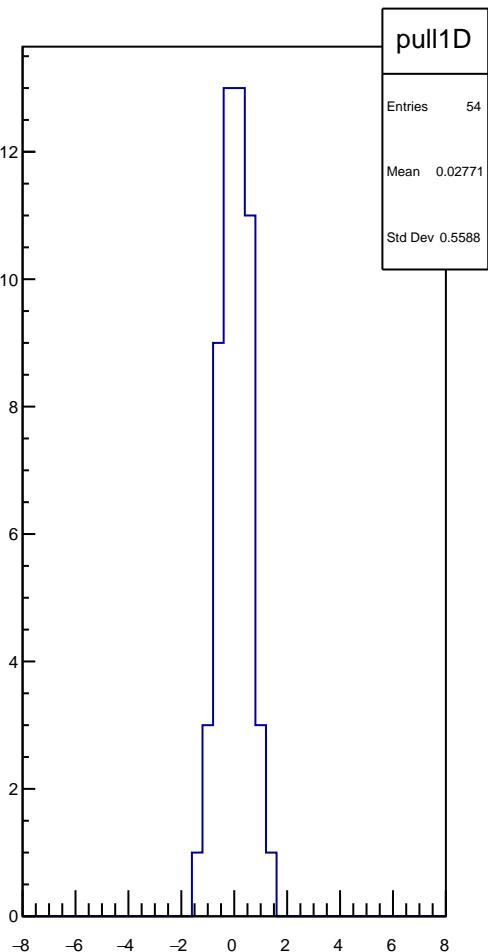
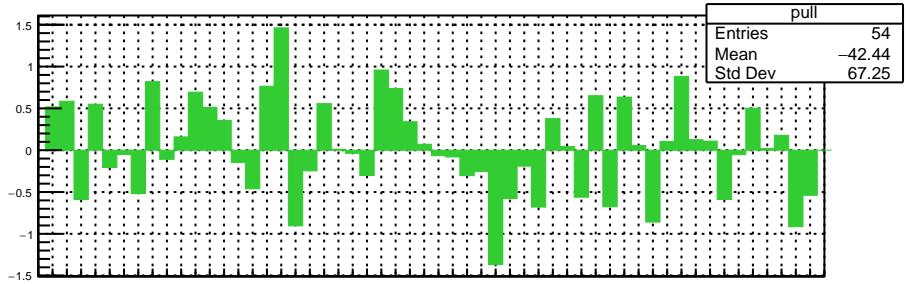
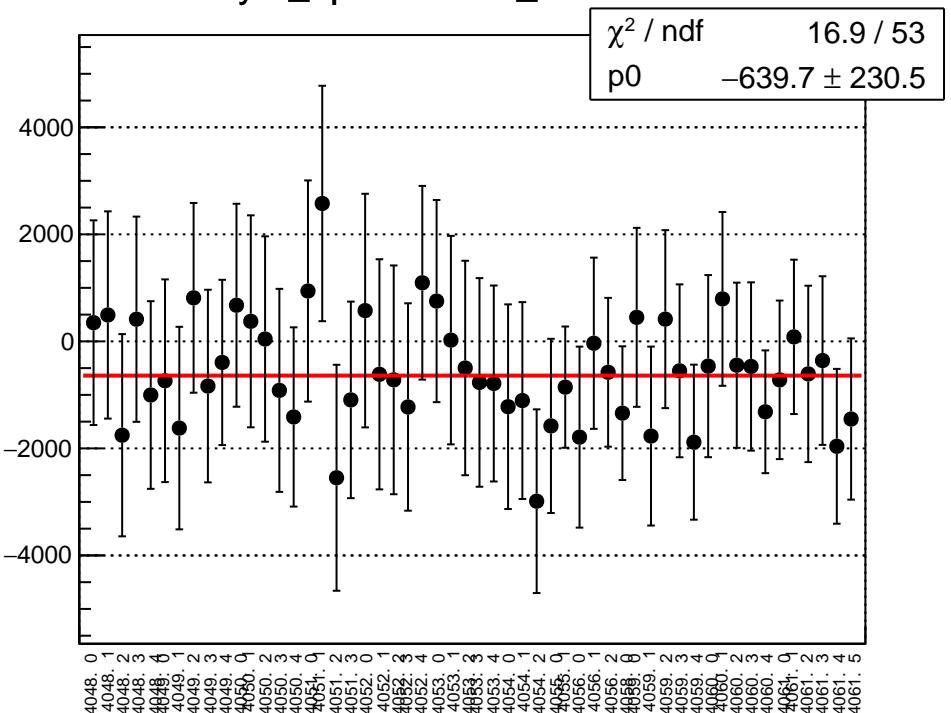
# asym\_bpm0i07WS\_mean vs run



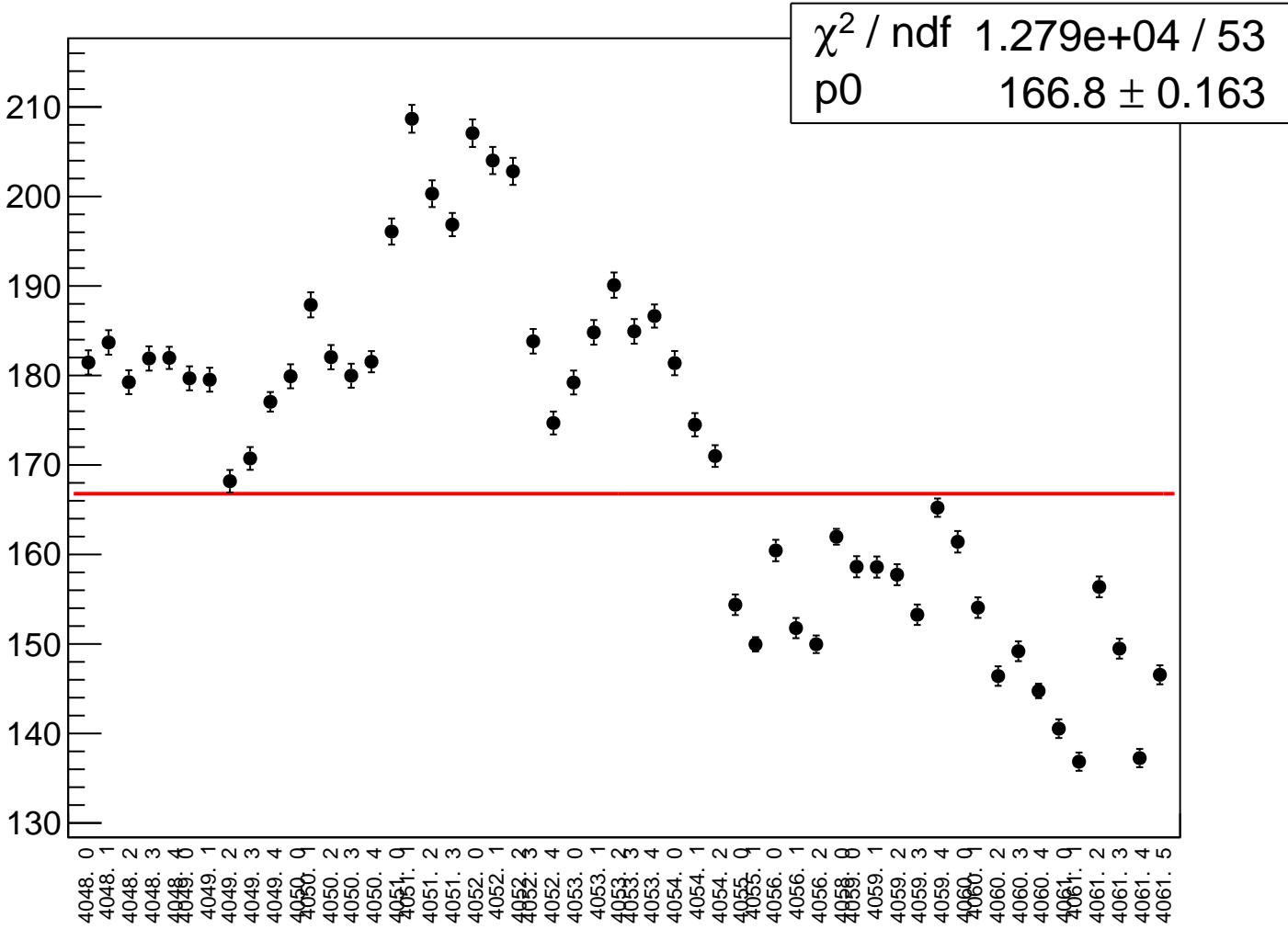
# asym\_bpm0i07WS\_rms vs run



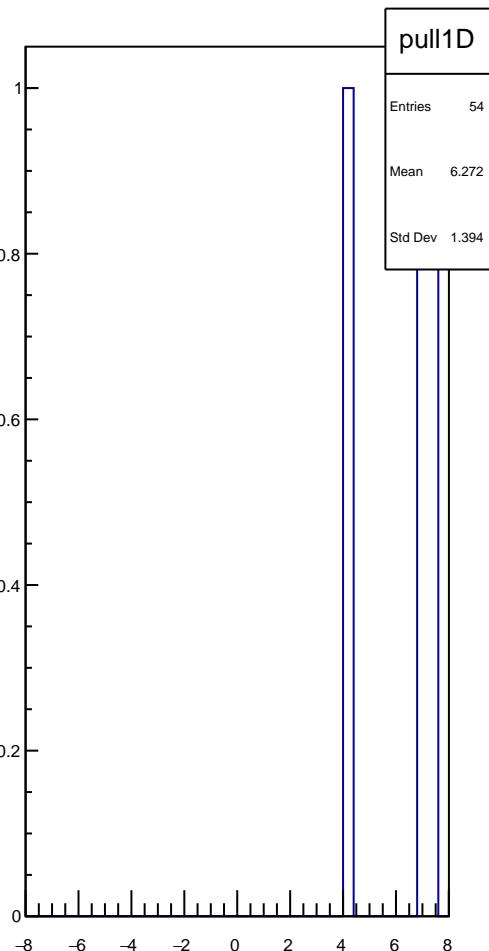
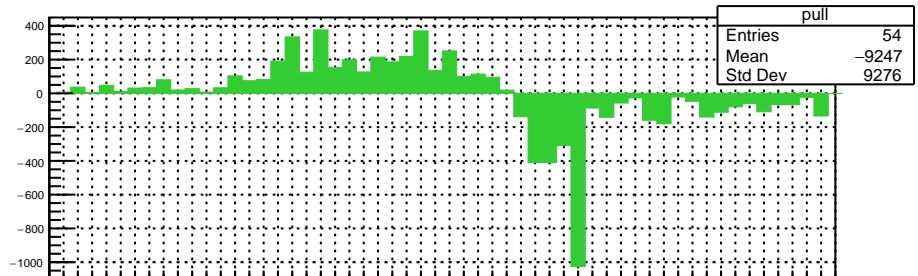
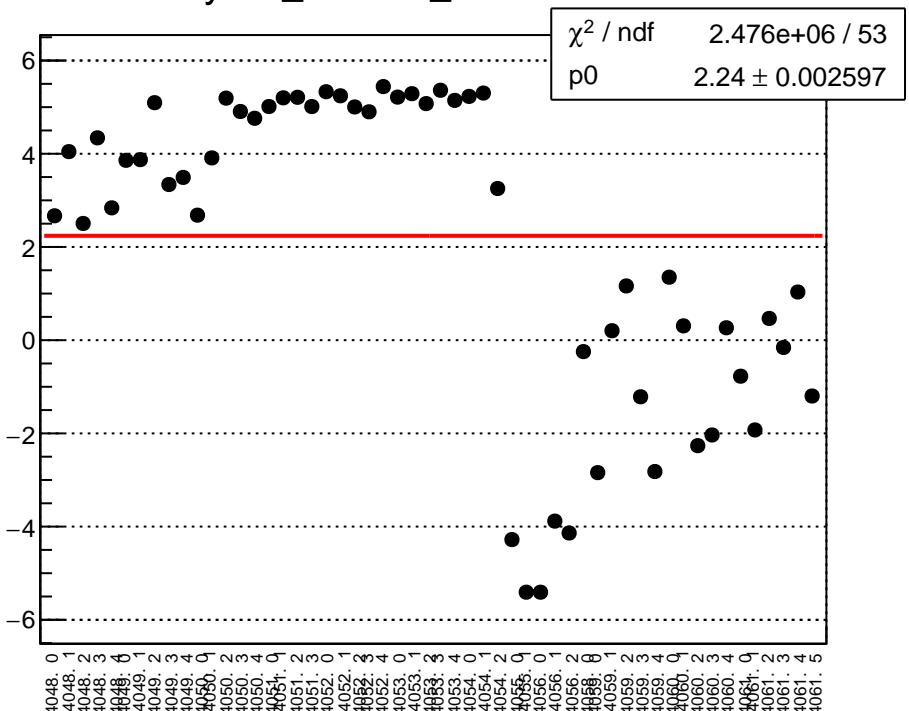
# asym\_bpm0l01WS\_mean vs run



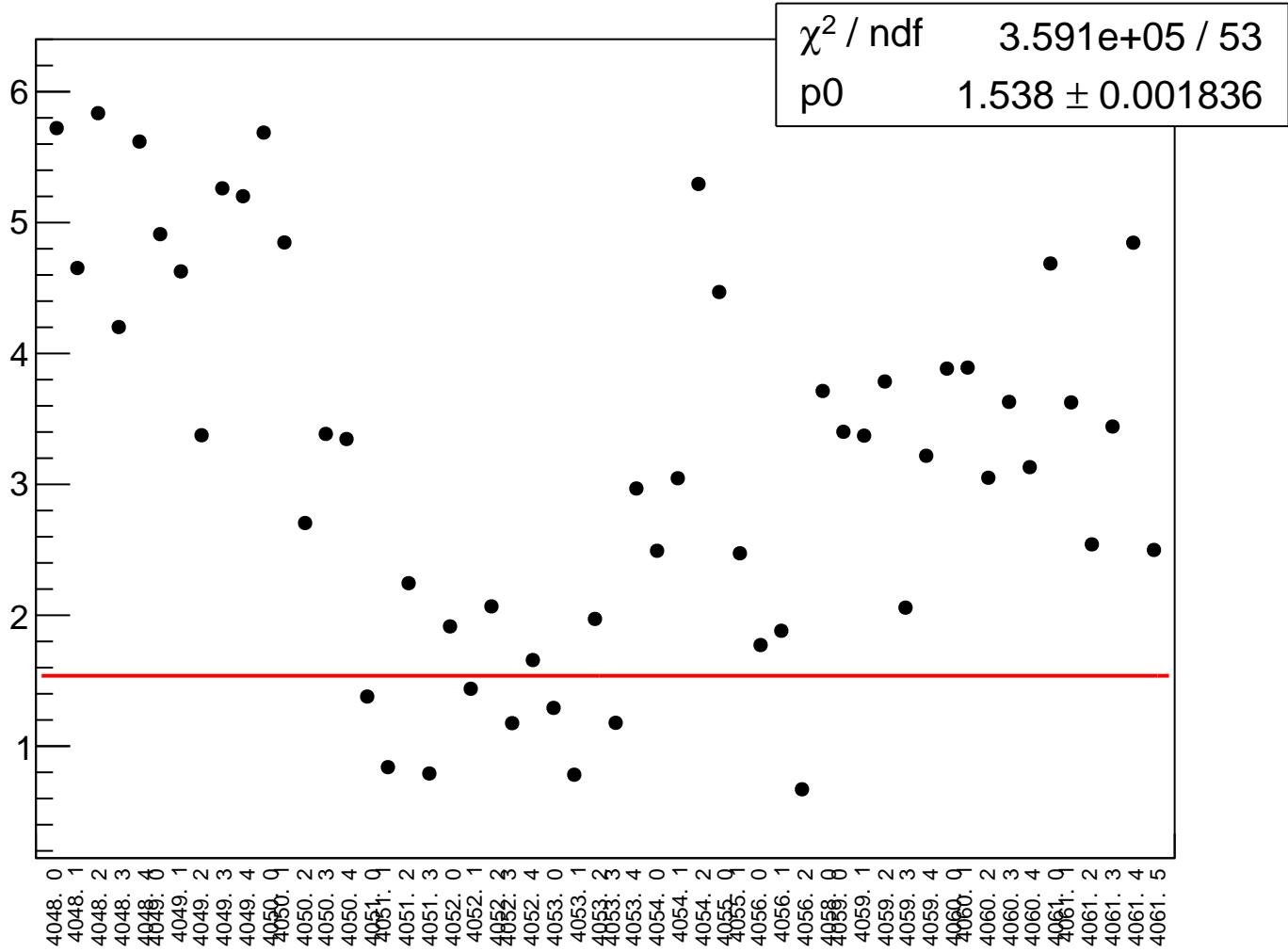
# asym\_bpm0l01WS\_rms vs run



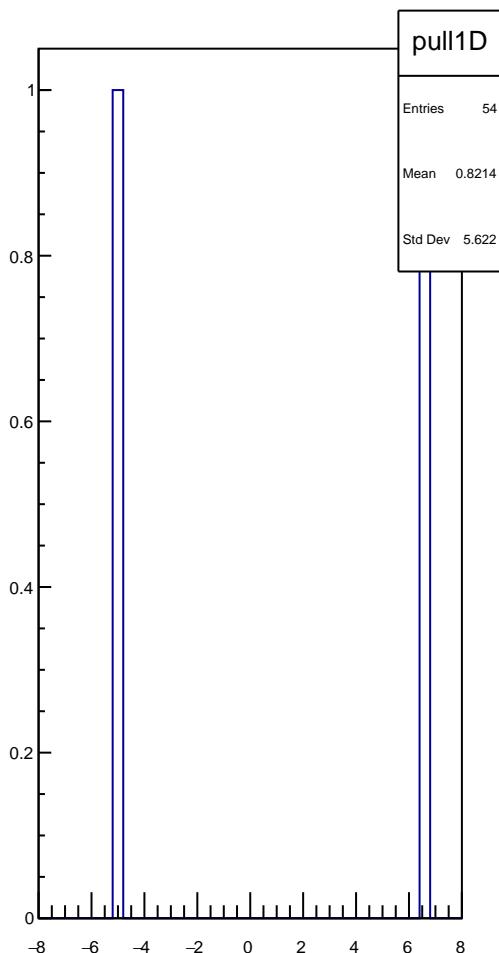
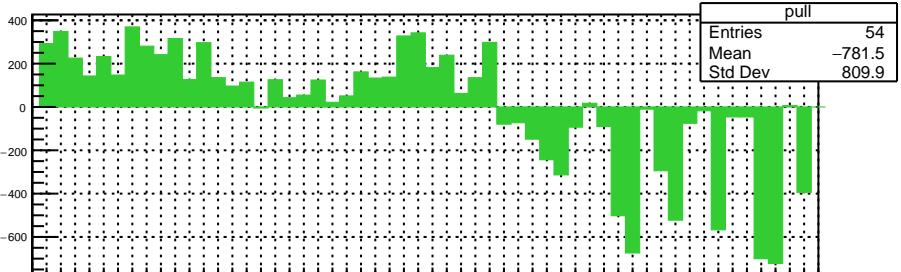
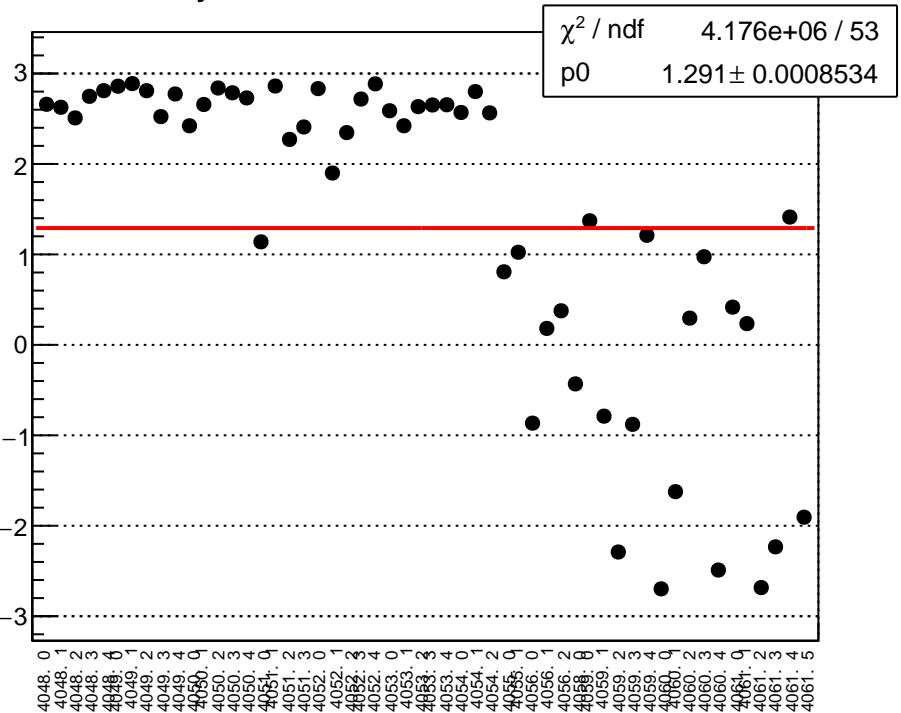
# yield\_cav4bX\_mean vs run



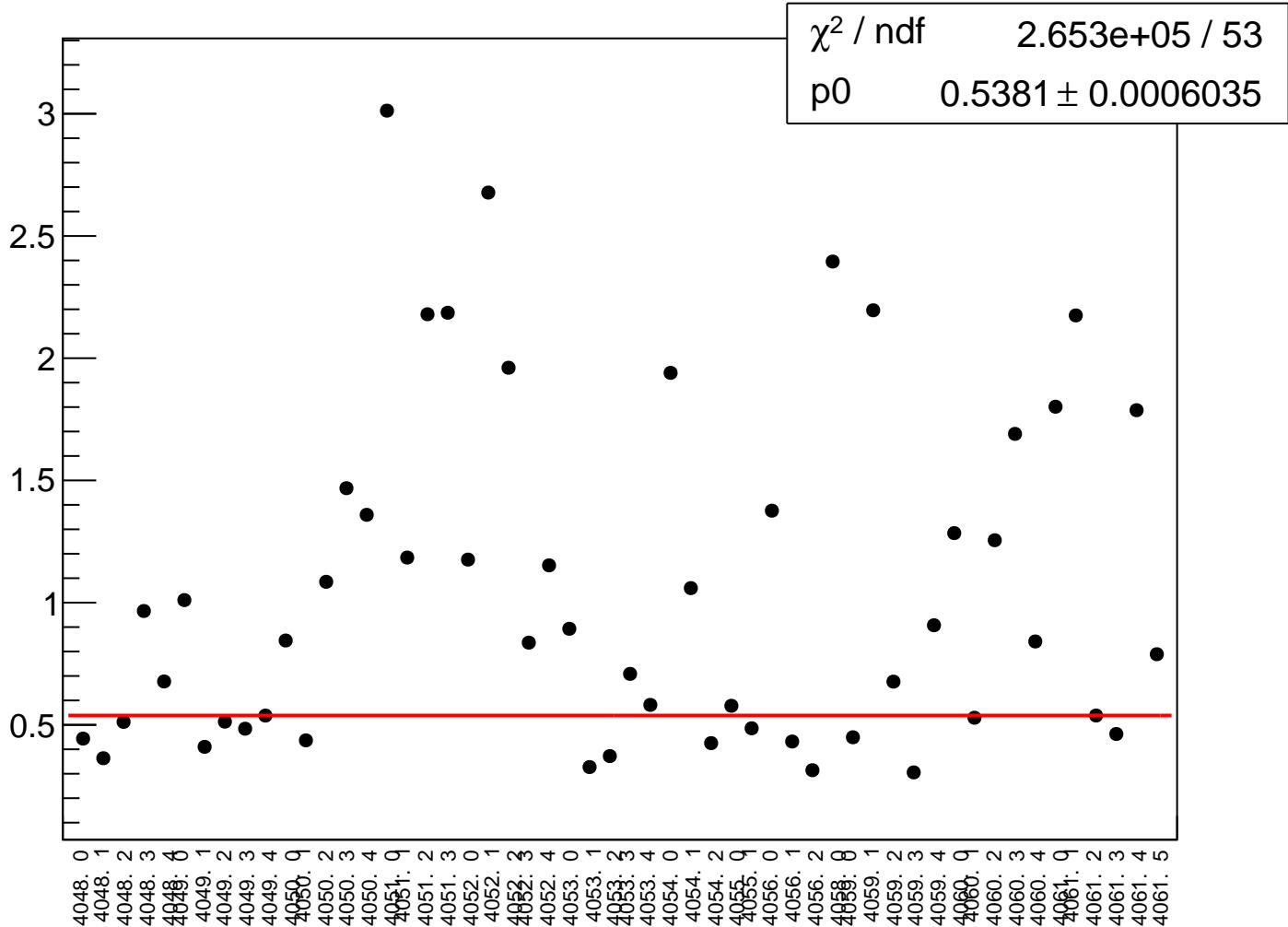
# yield\_cav4bX\_rms vs run



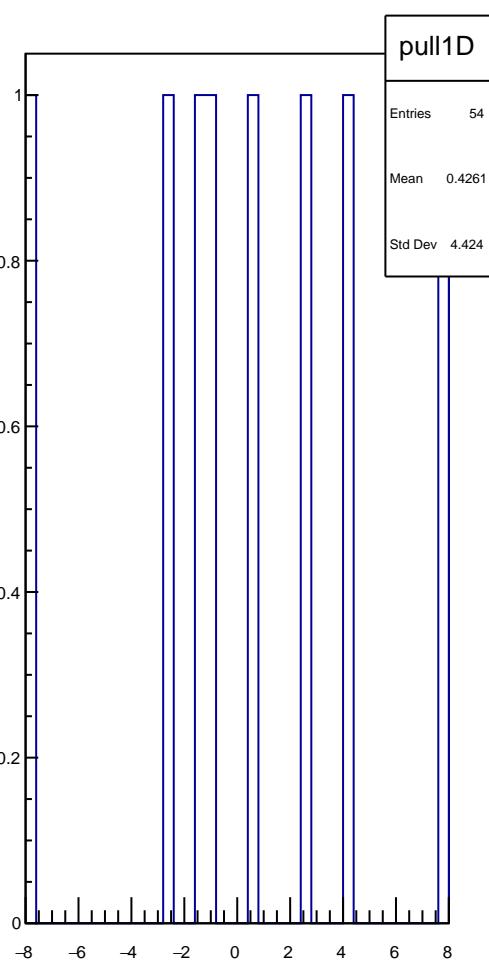
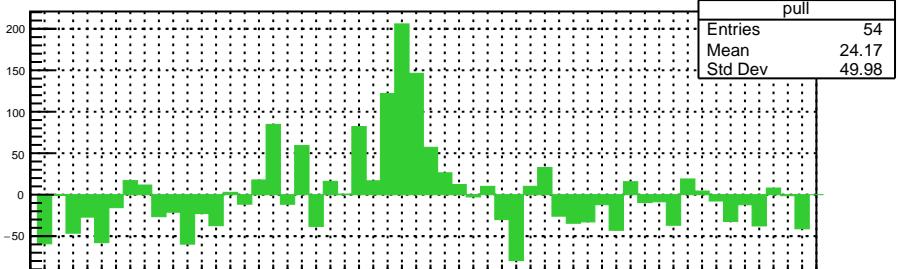
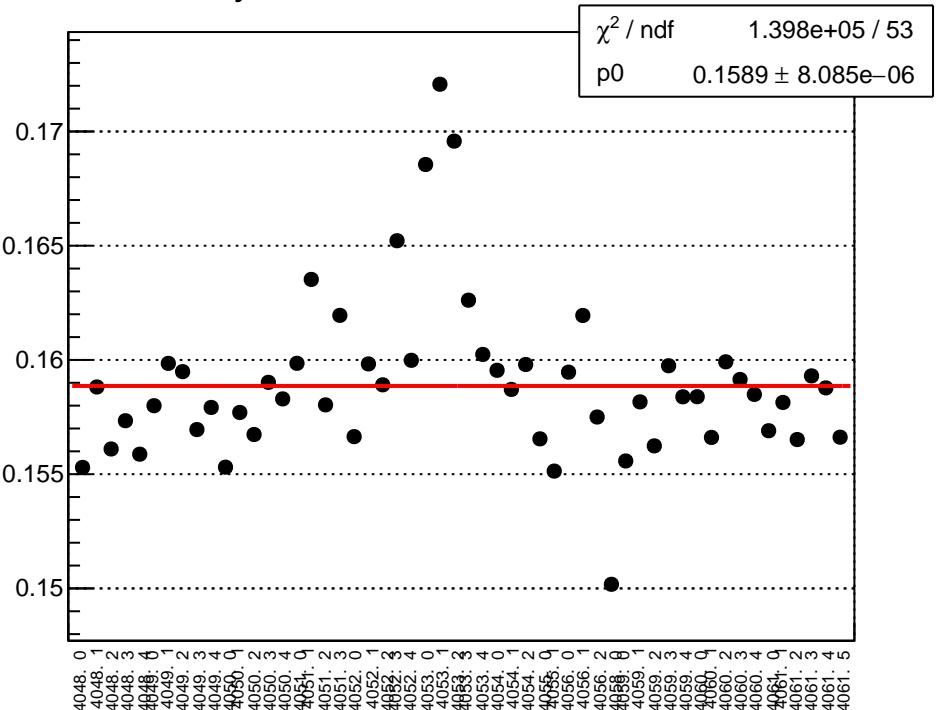
# yield\_cav4bY\_mean vs run



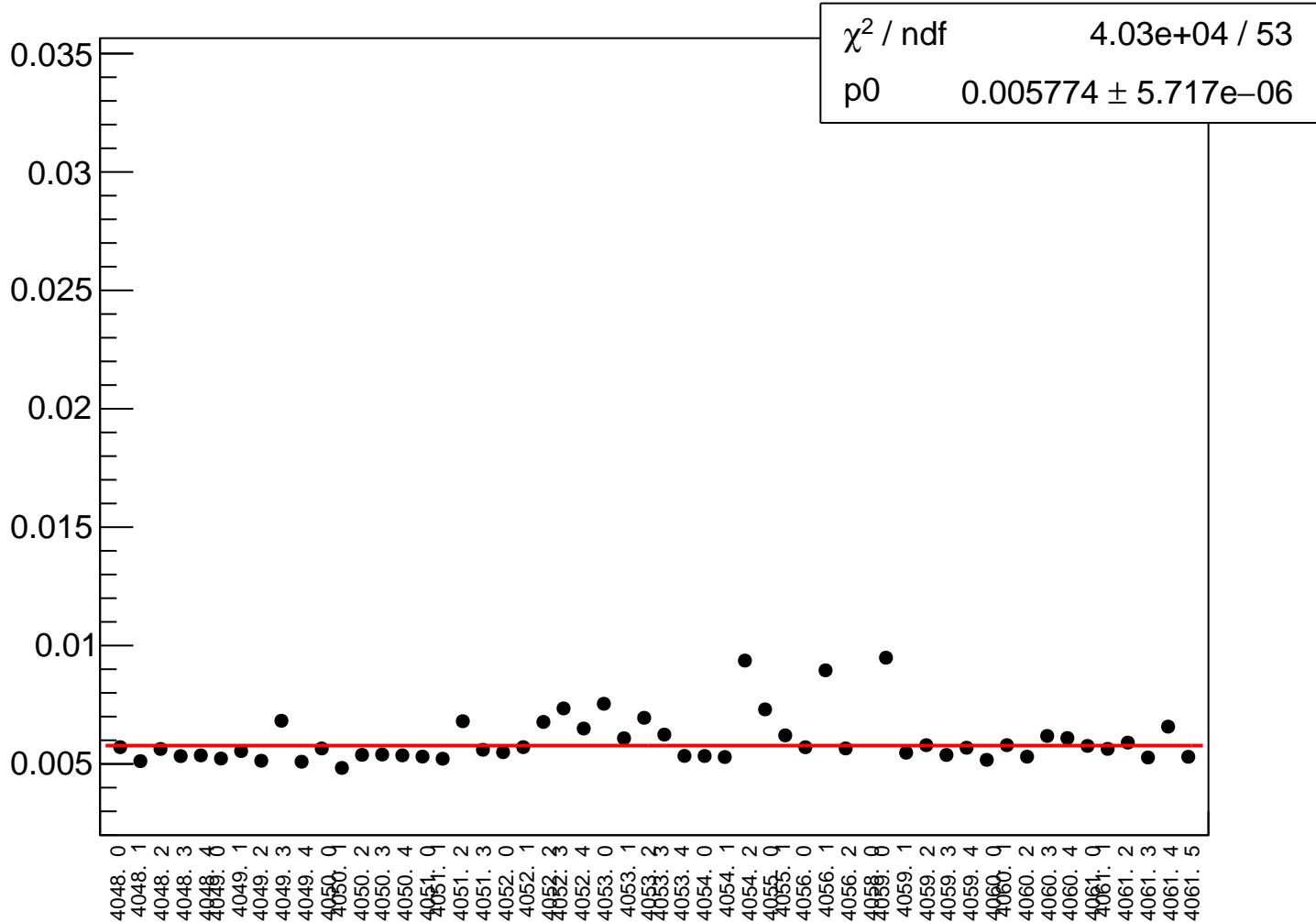
# yield\_cav4bY\_rms vs run



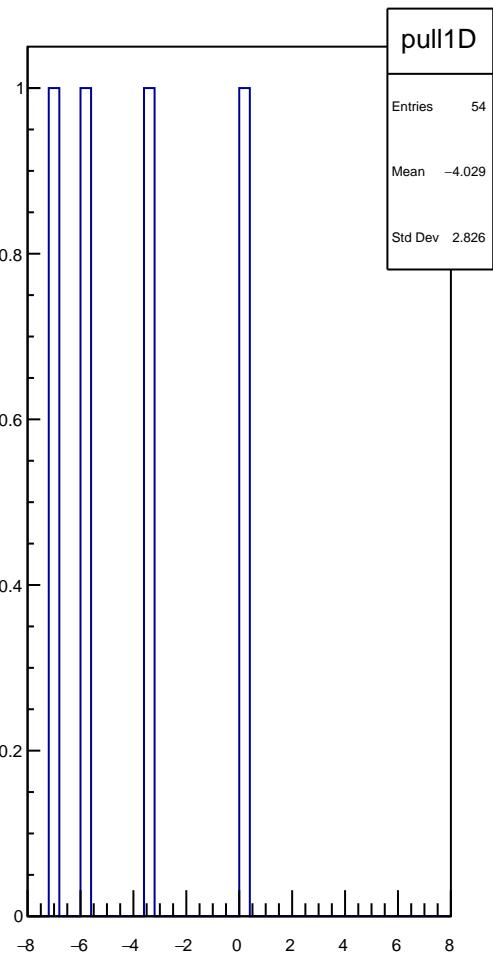
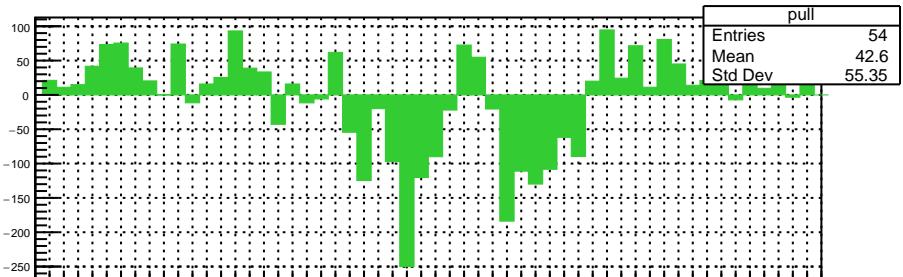
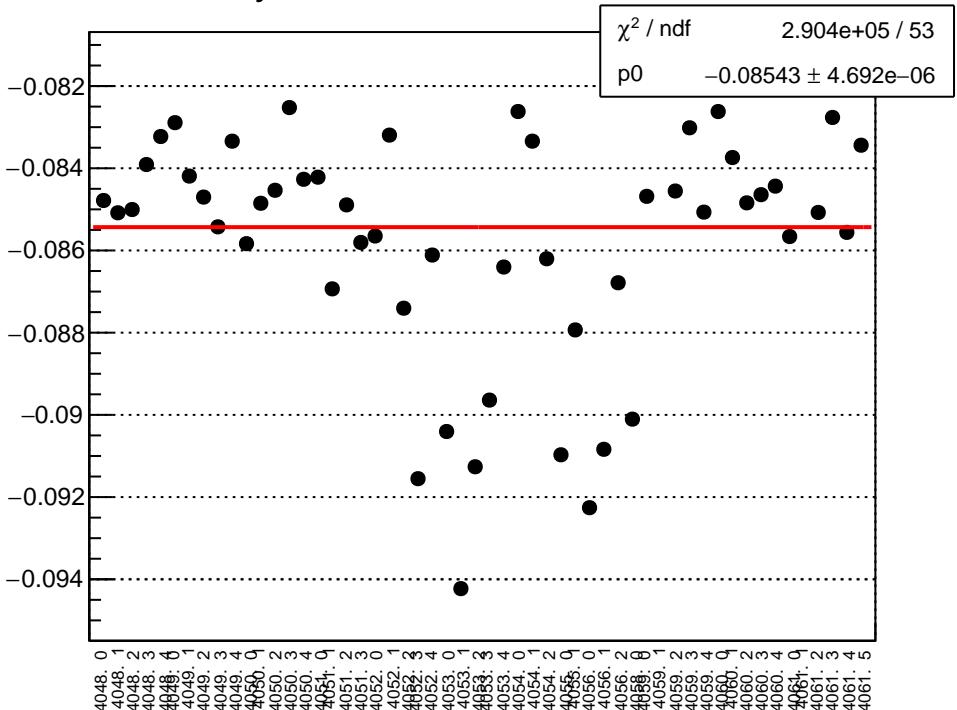
# yield\_cav4cX\_mean vs run



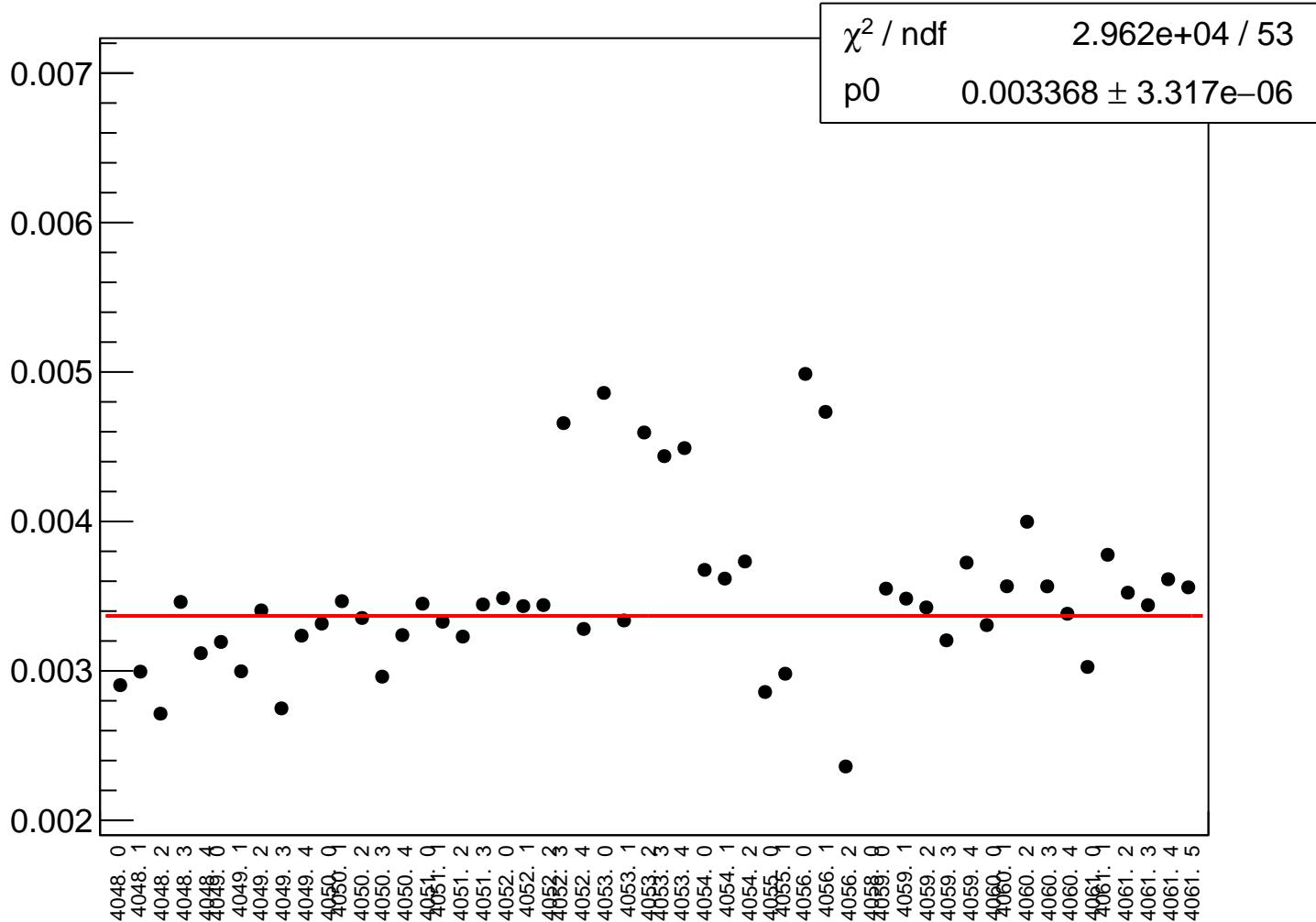
# yield\_cav4cX\_rms vs run



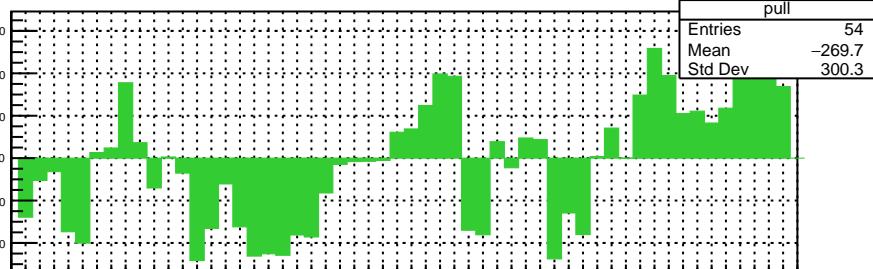
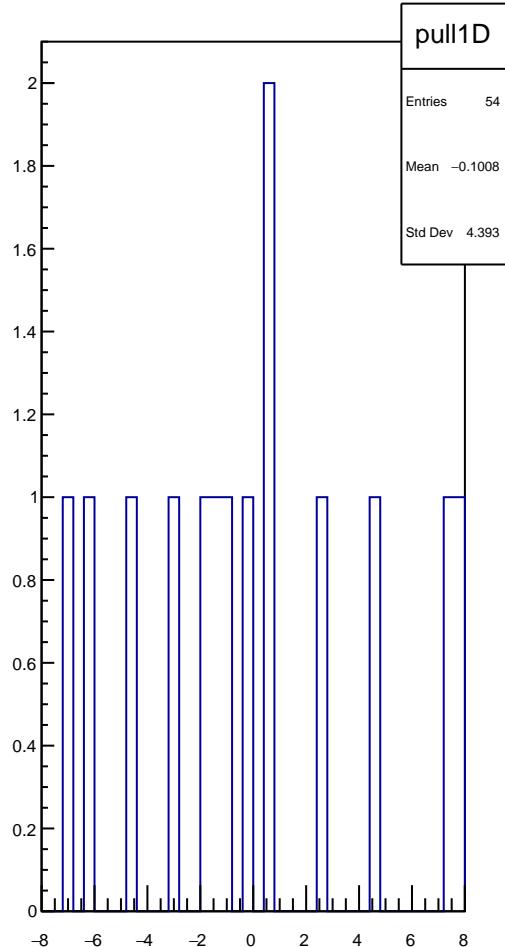
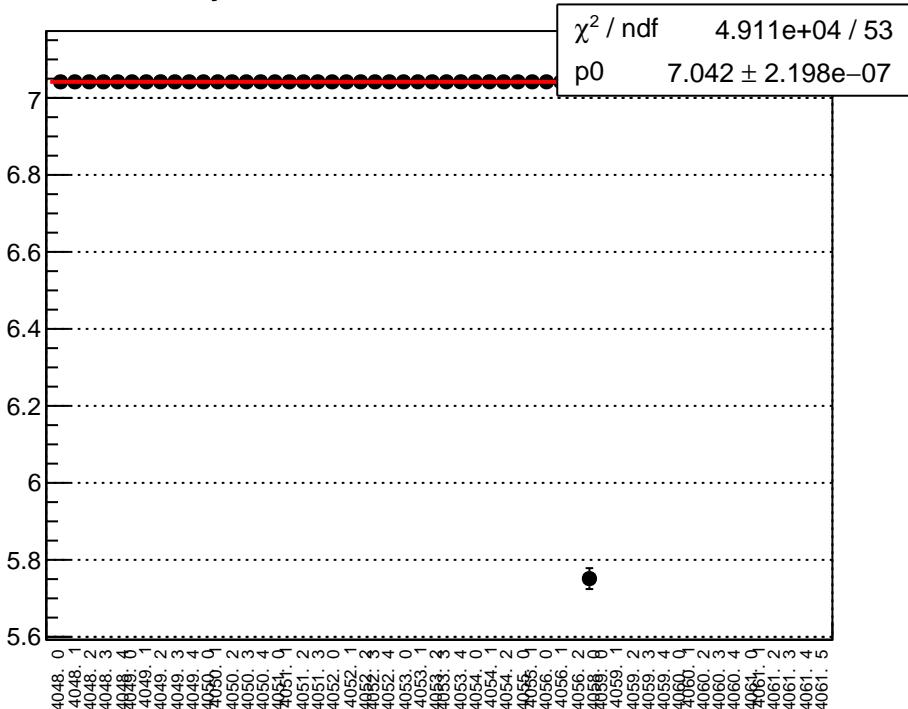
# yield\_cav4cY\_mean vs run



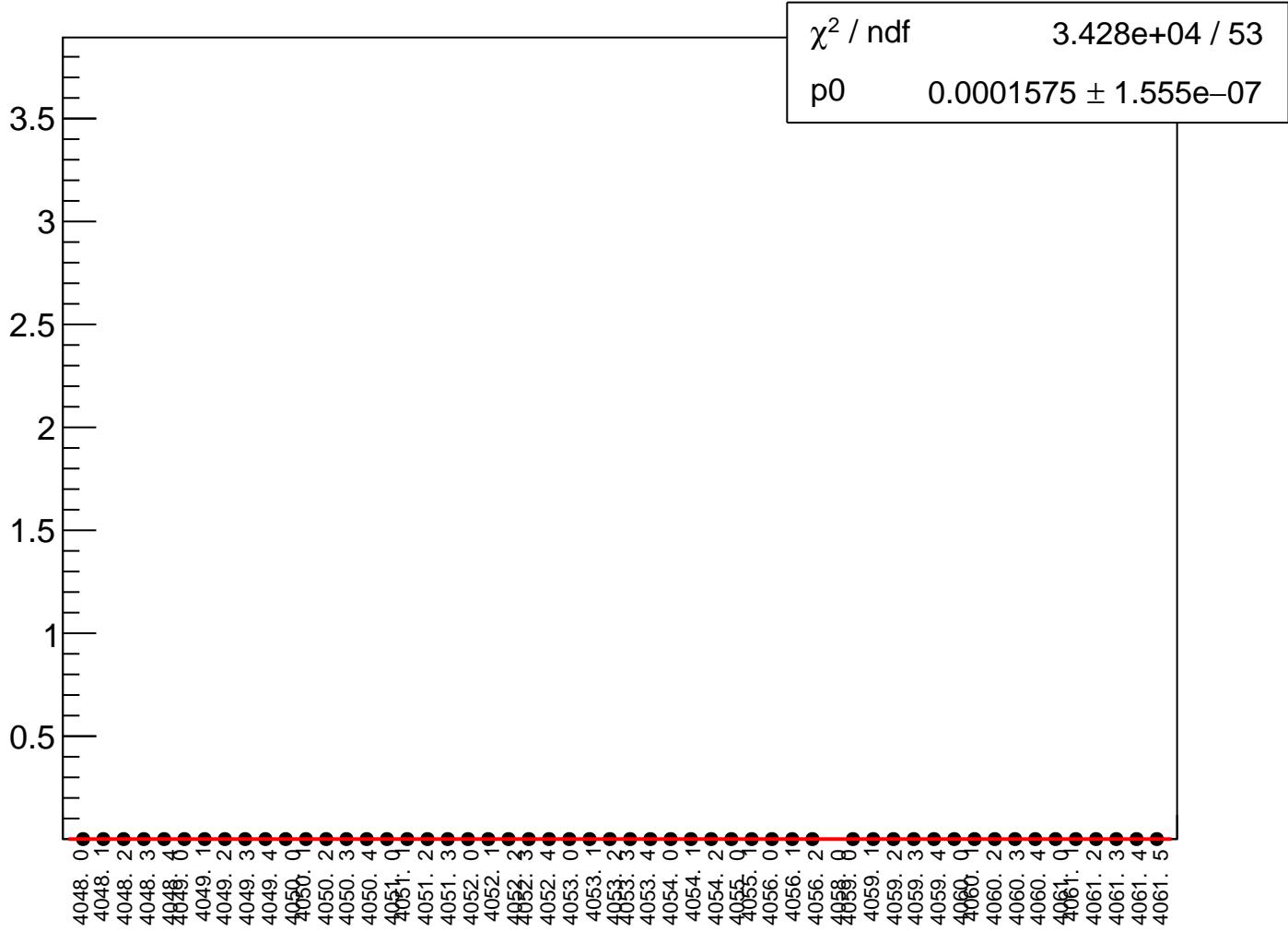
# yield\_cav4cY\_rms vs run



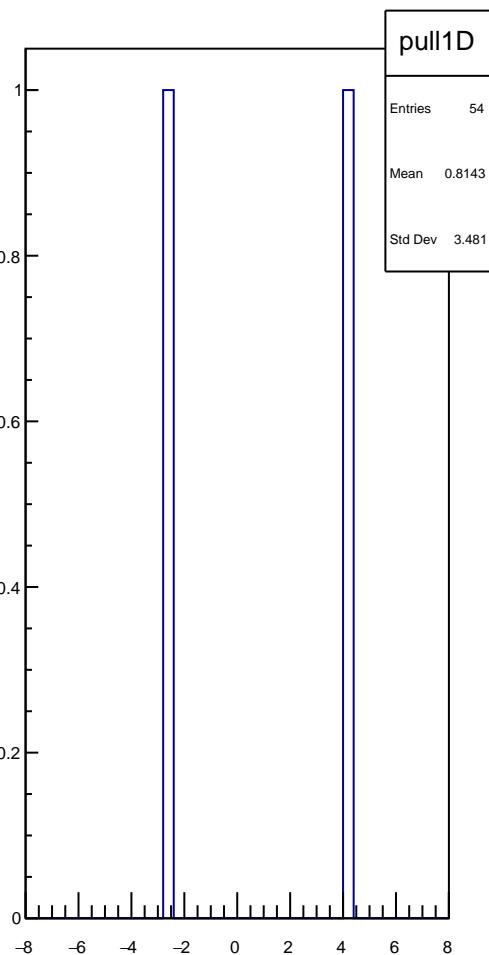
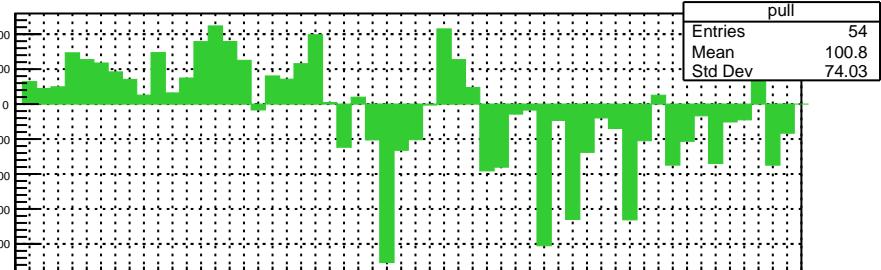
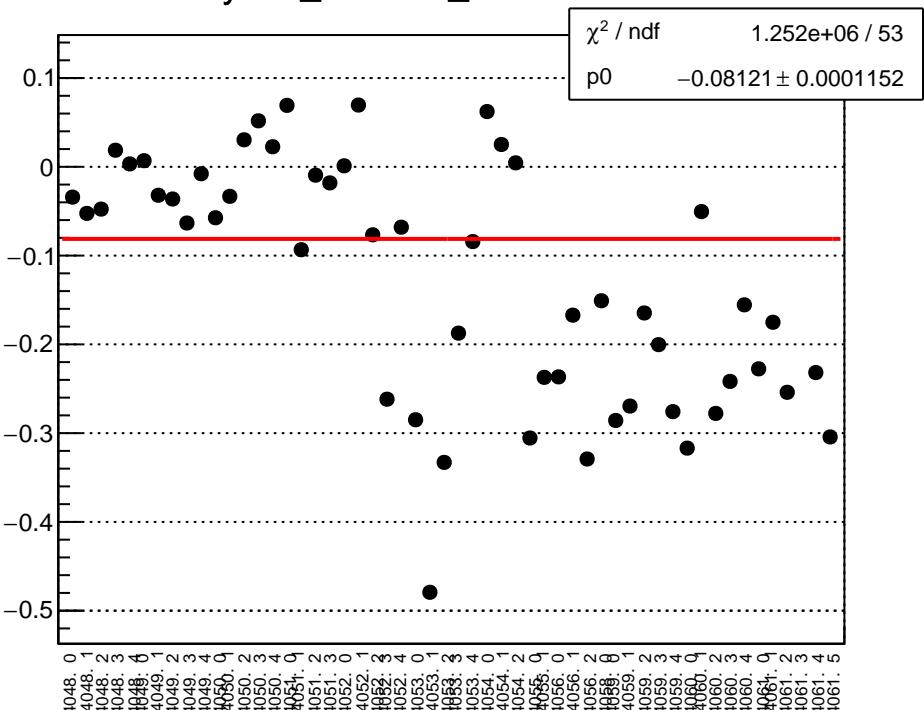
# yield\_cav4dX\_mean vs run



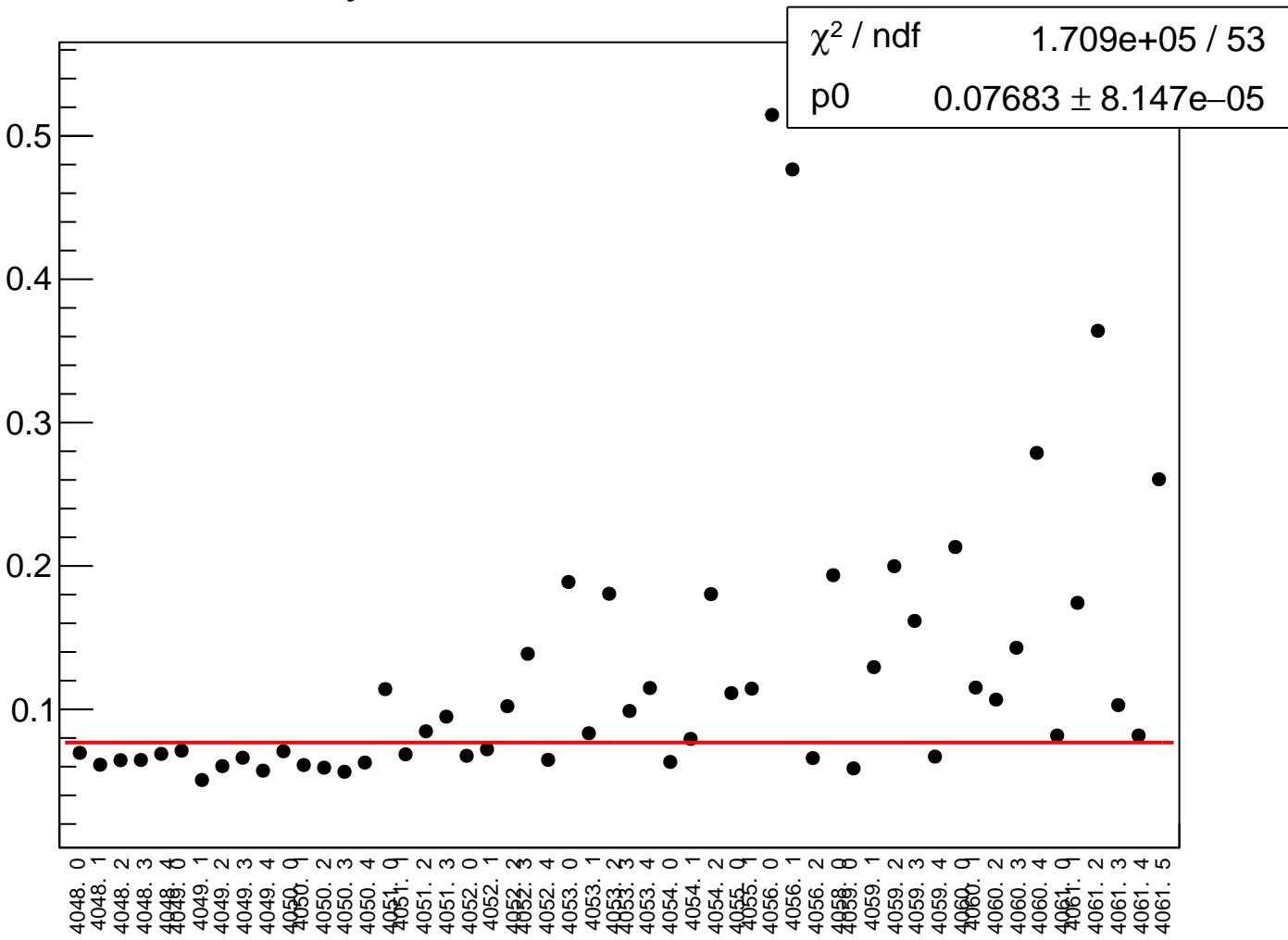
# yield\_cav4dX\_rms vs run



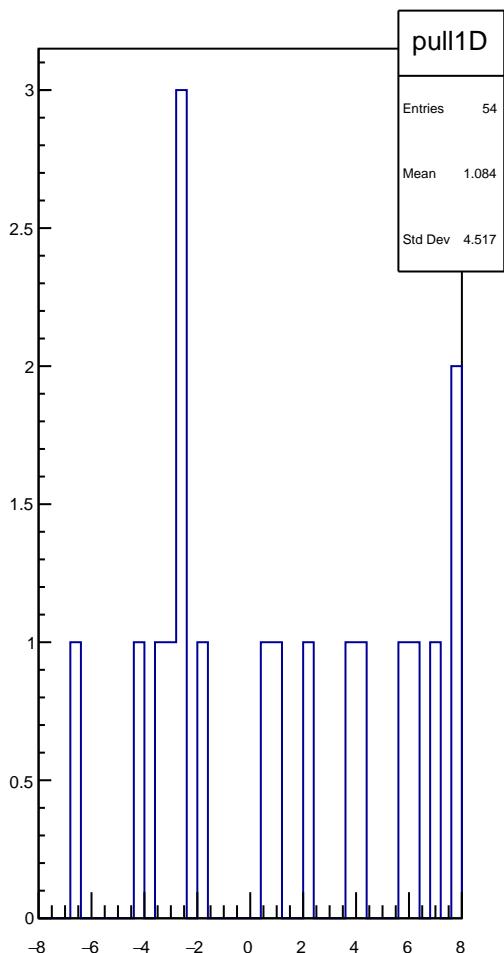
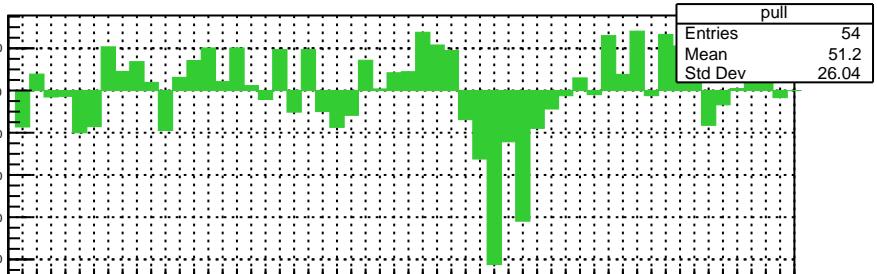
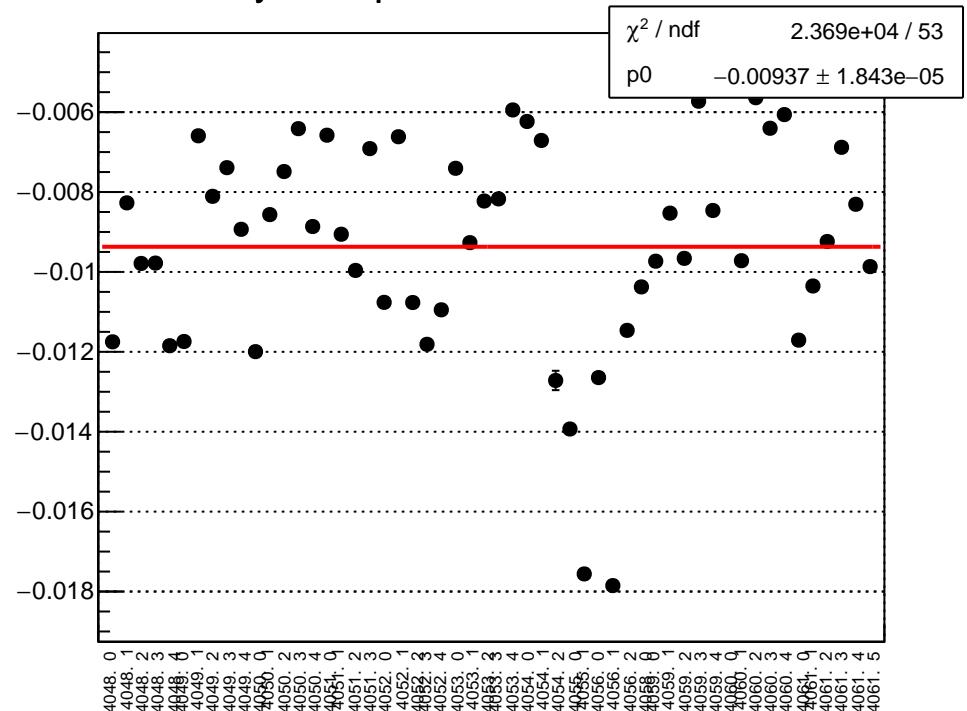
# yield\_cav4dY\_mean vs run



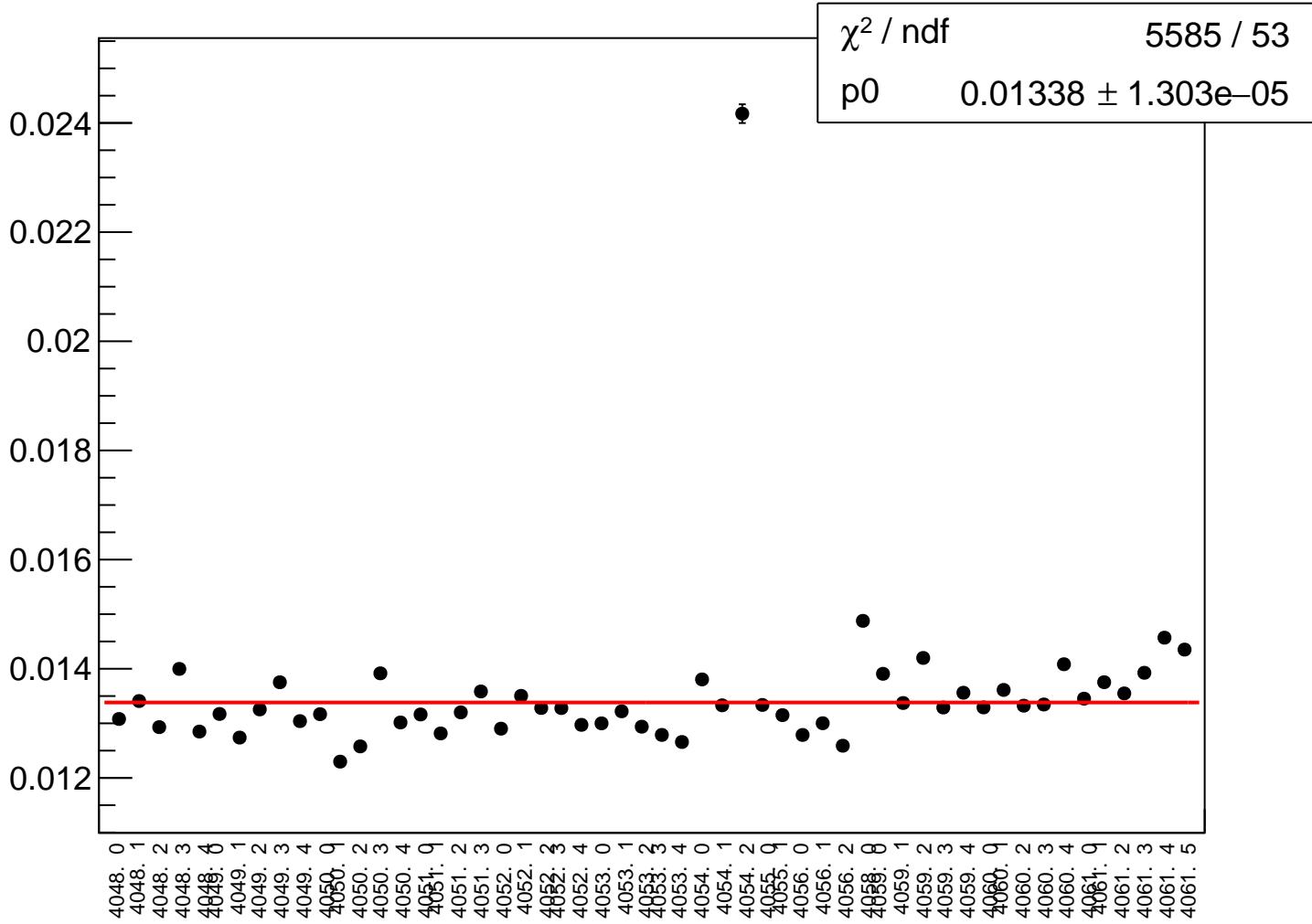
# yield\_cav4dY\_rms vs run



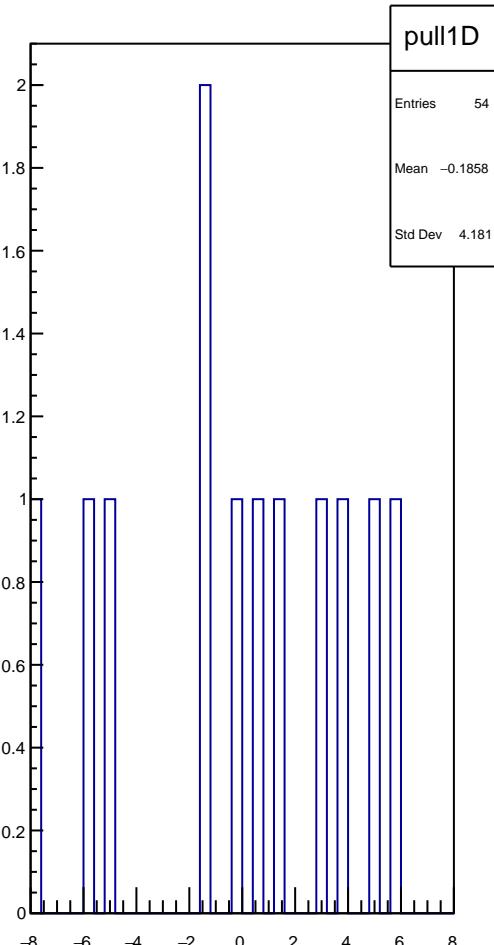
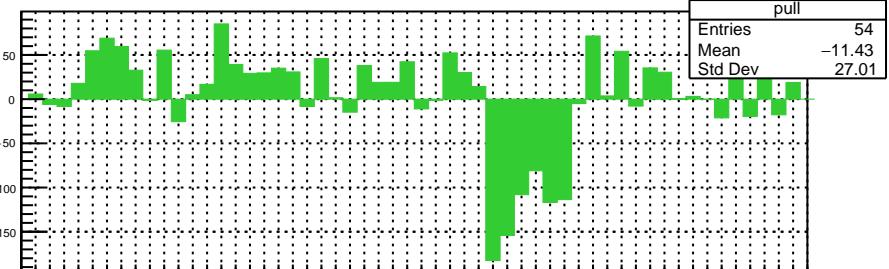
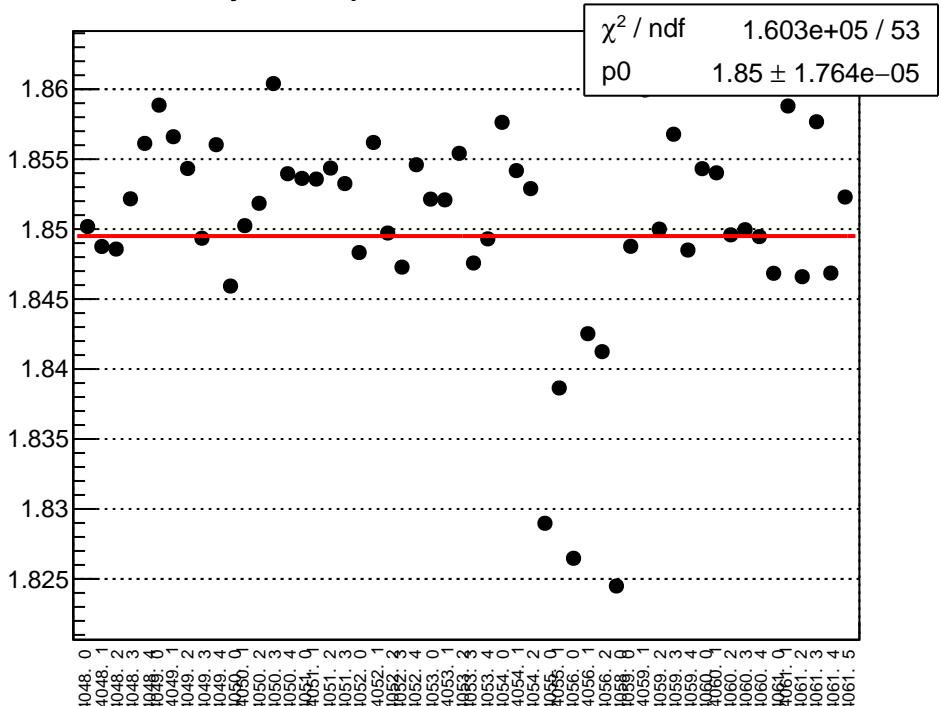
# yield\_bpm4aX\_mean vs run



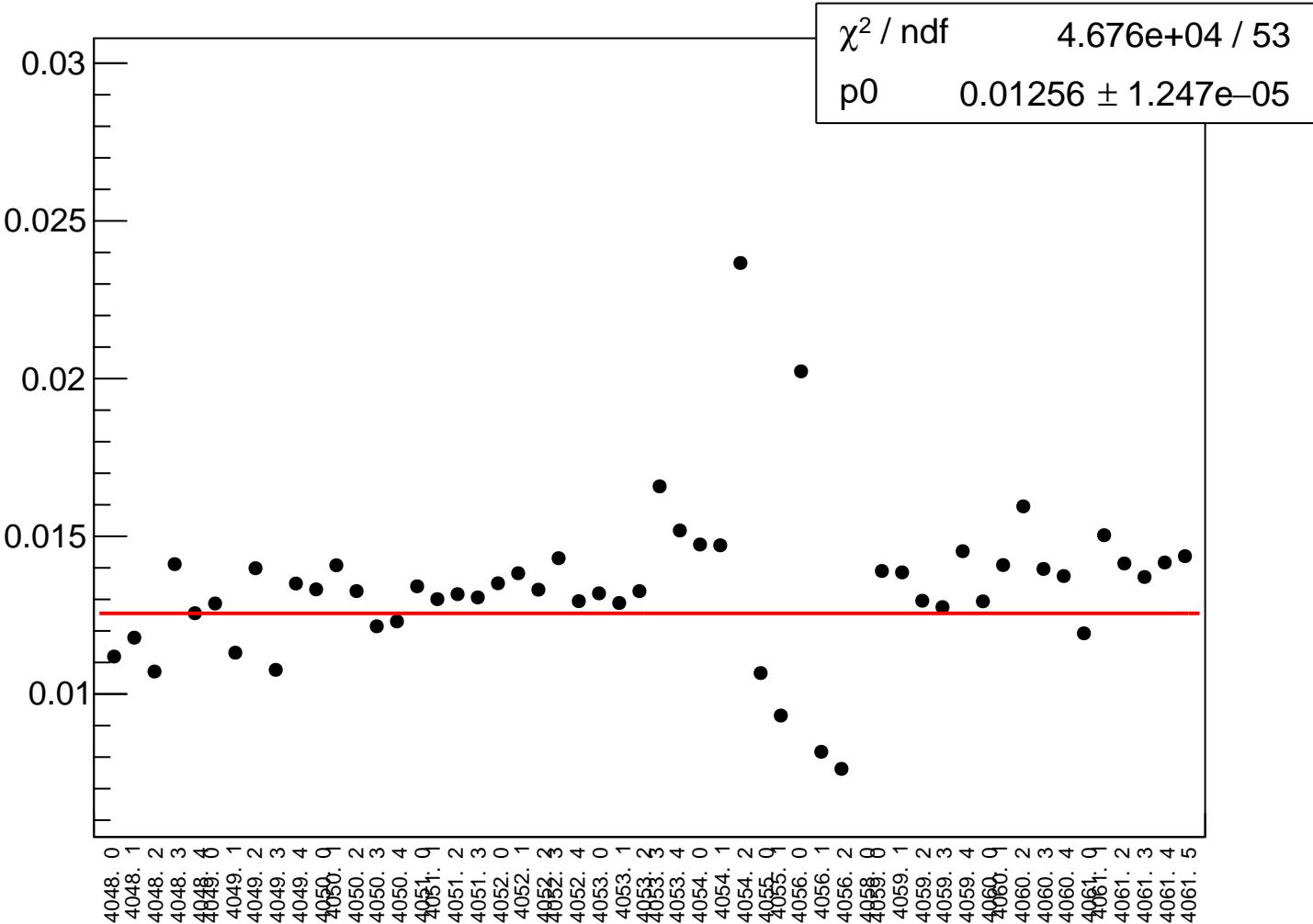
# yield\_bpm4aX\_rms vs run



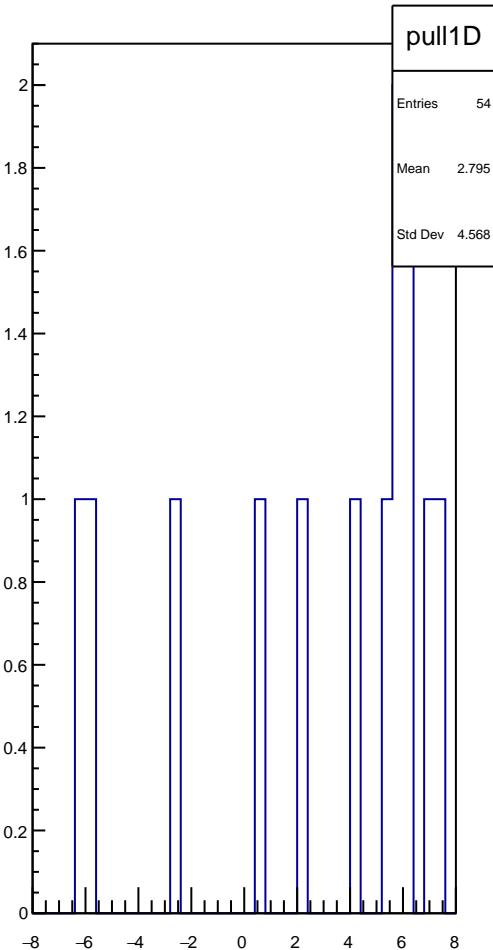
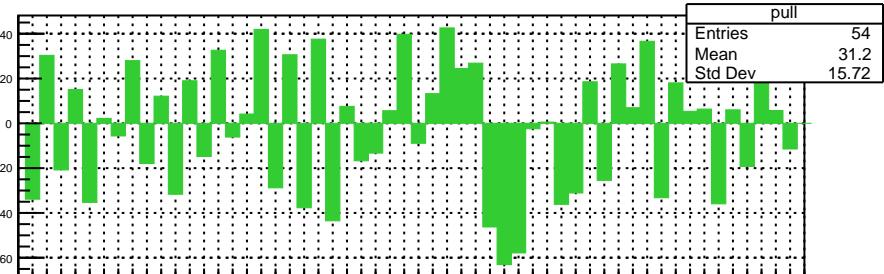
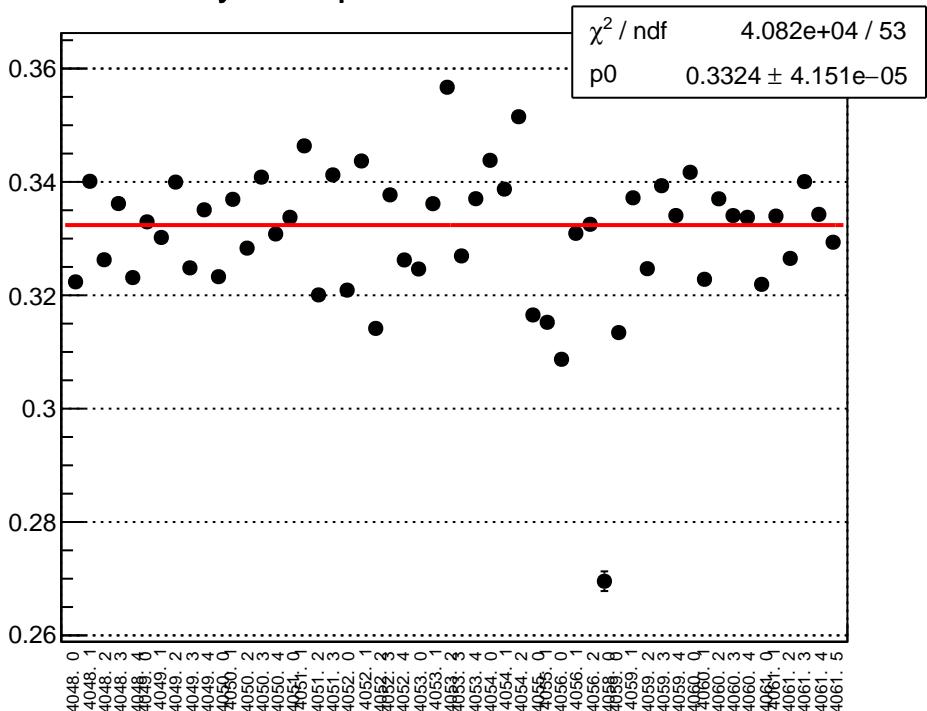
# yield\_bpm4aY\_mean vs run



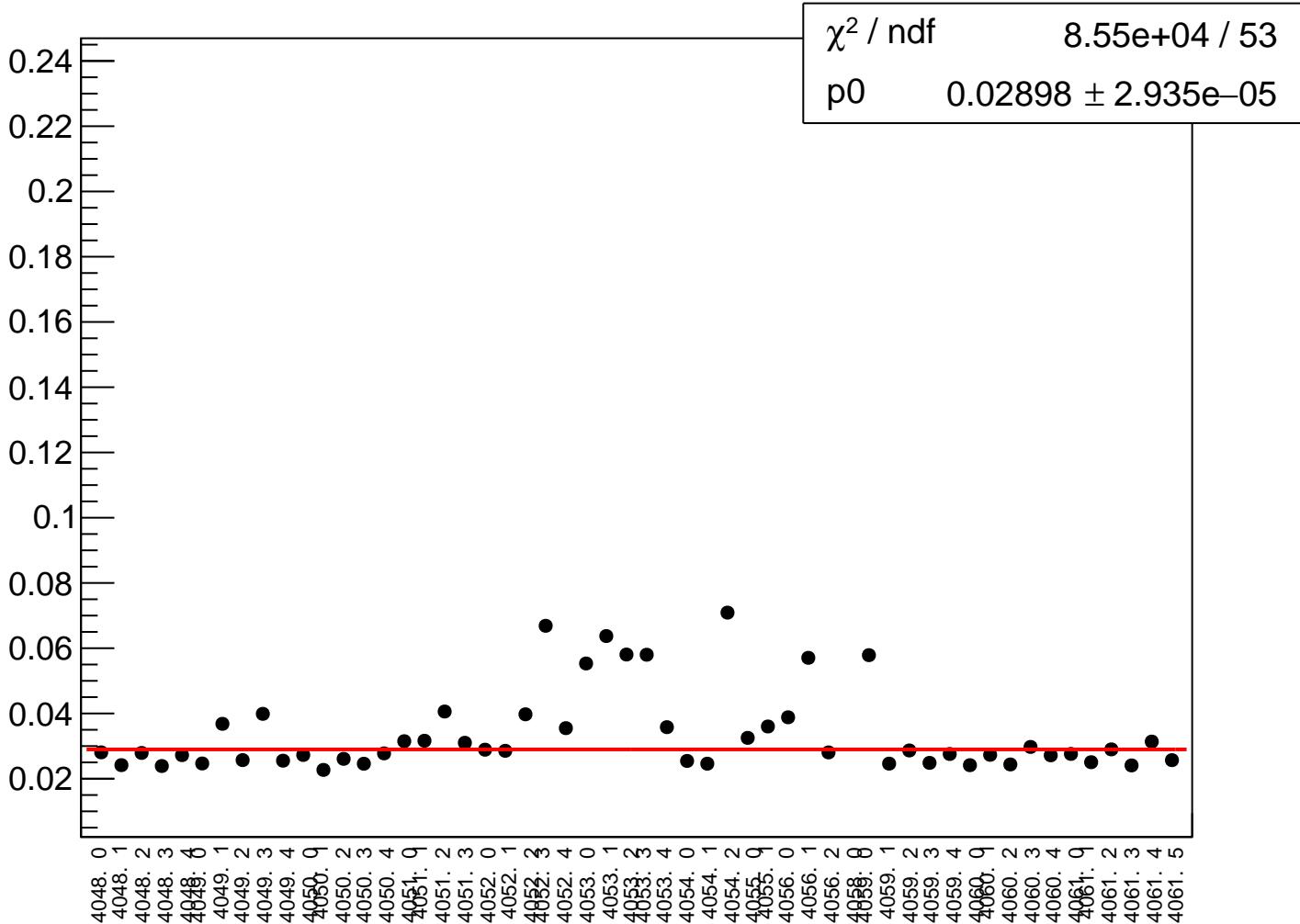
# yield\_bpm4aY\_rms vs run



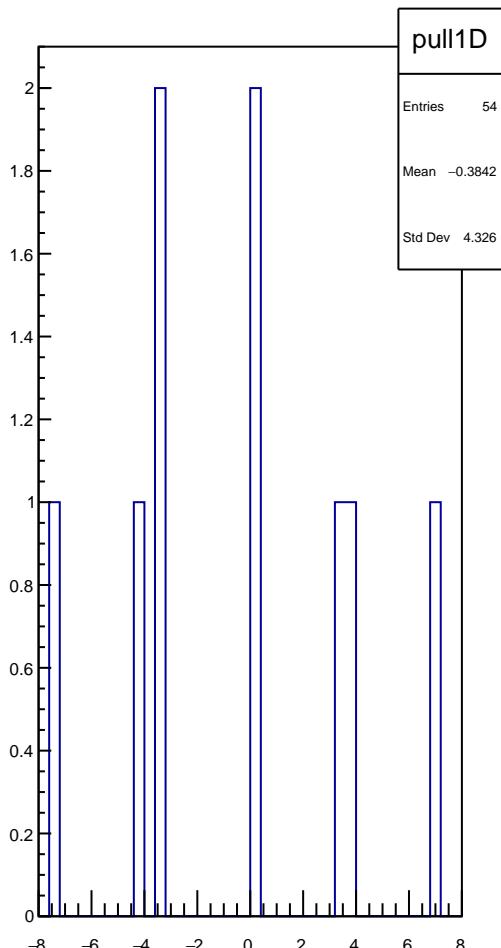
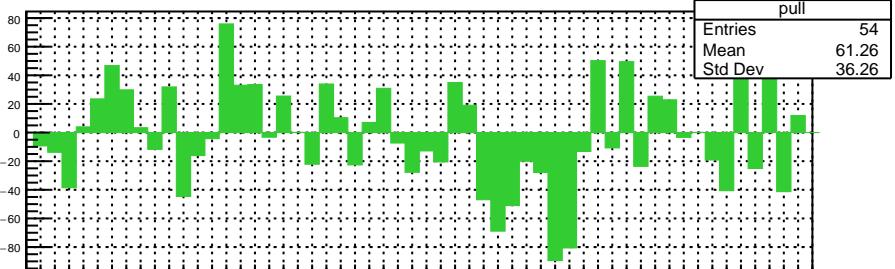
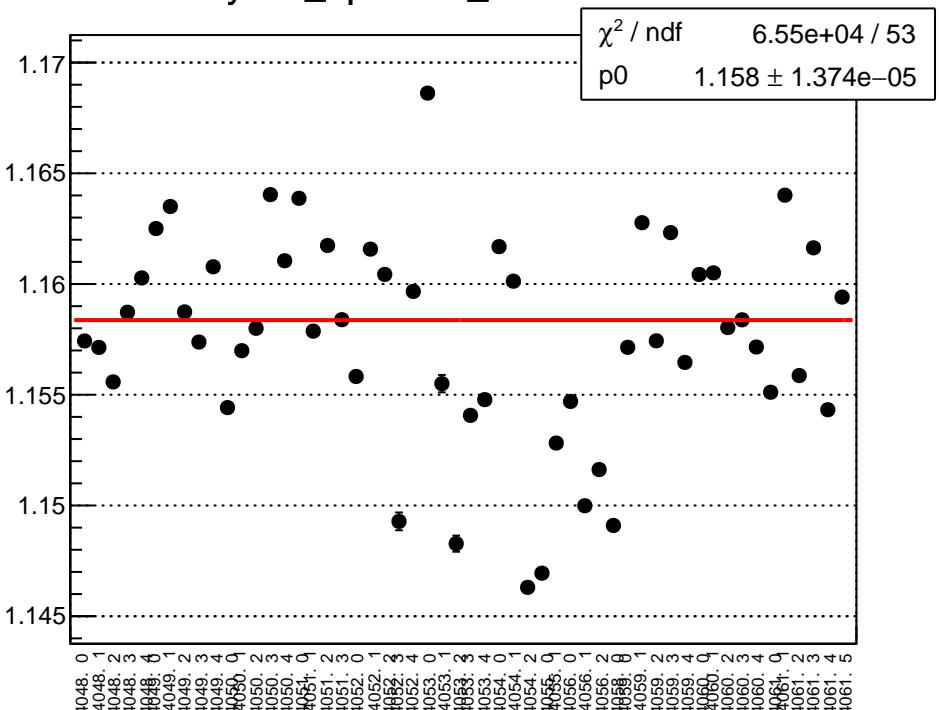
# yield\_bpm4eX\_mean vs run



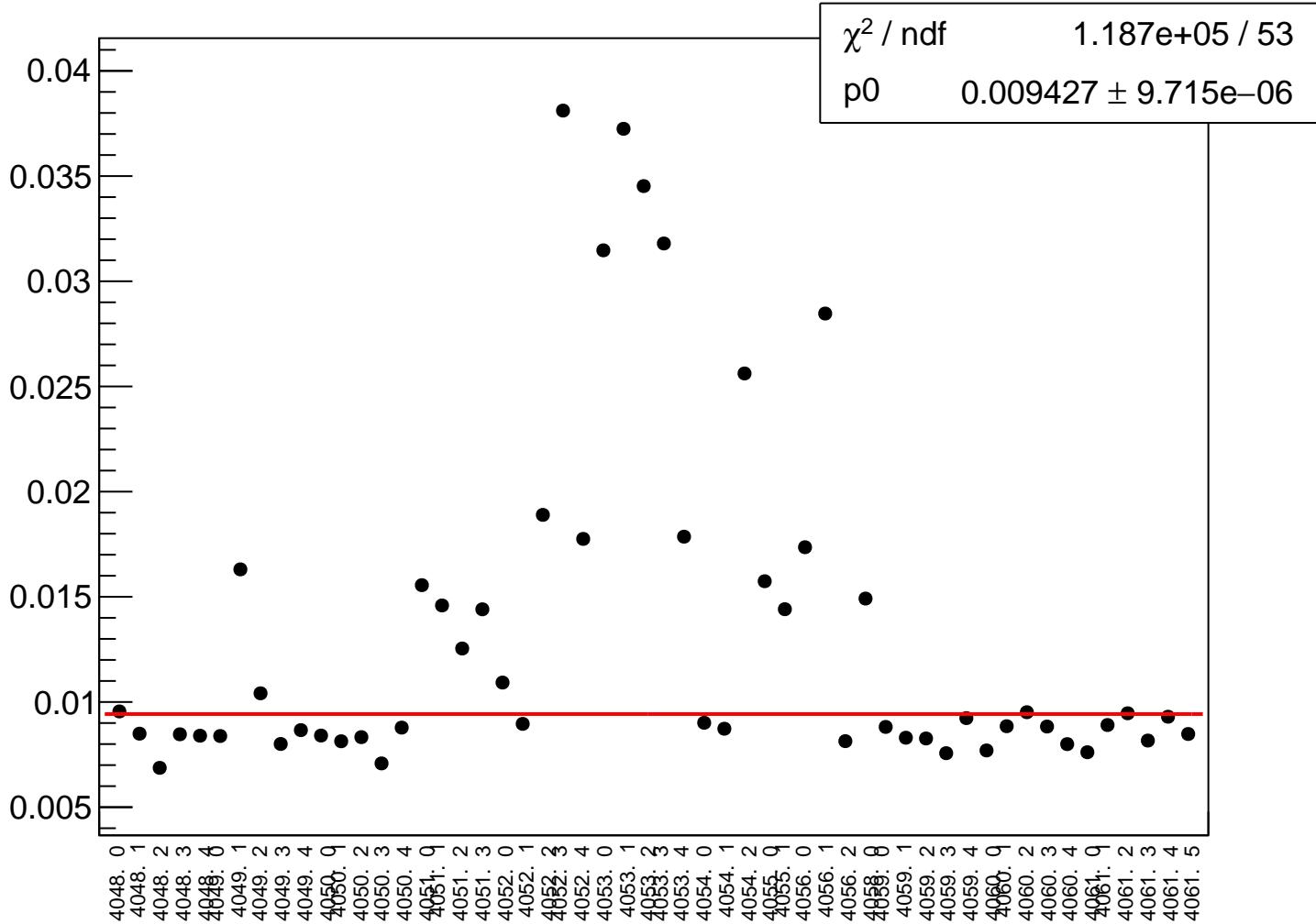
# yield\_bpm4eX\_rms vs run



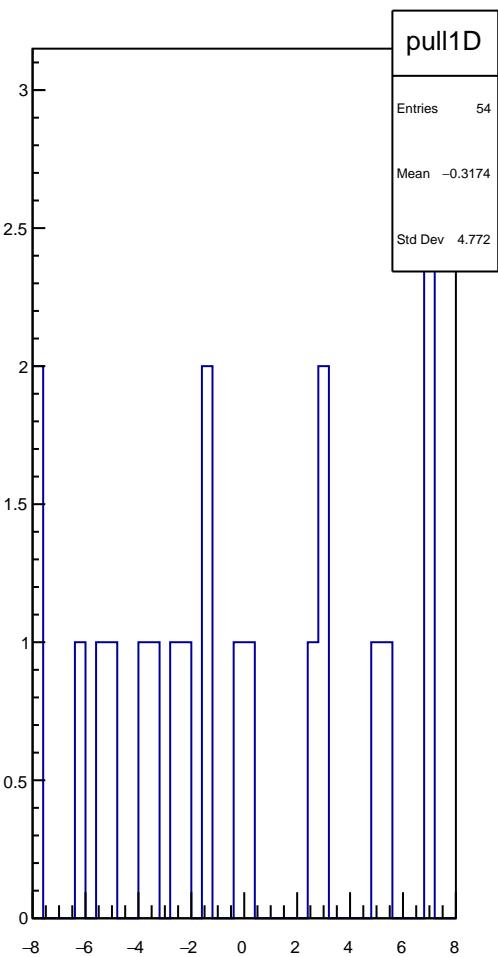
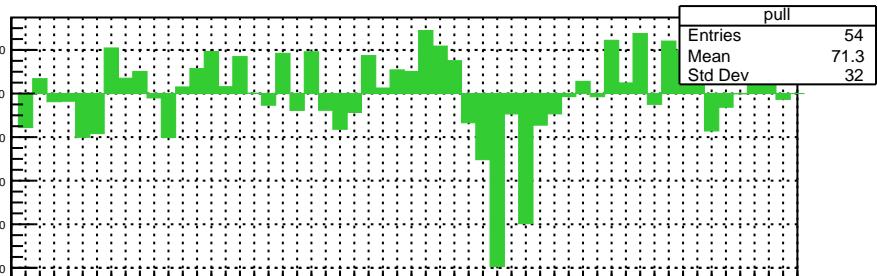
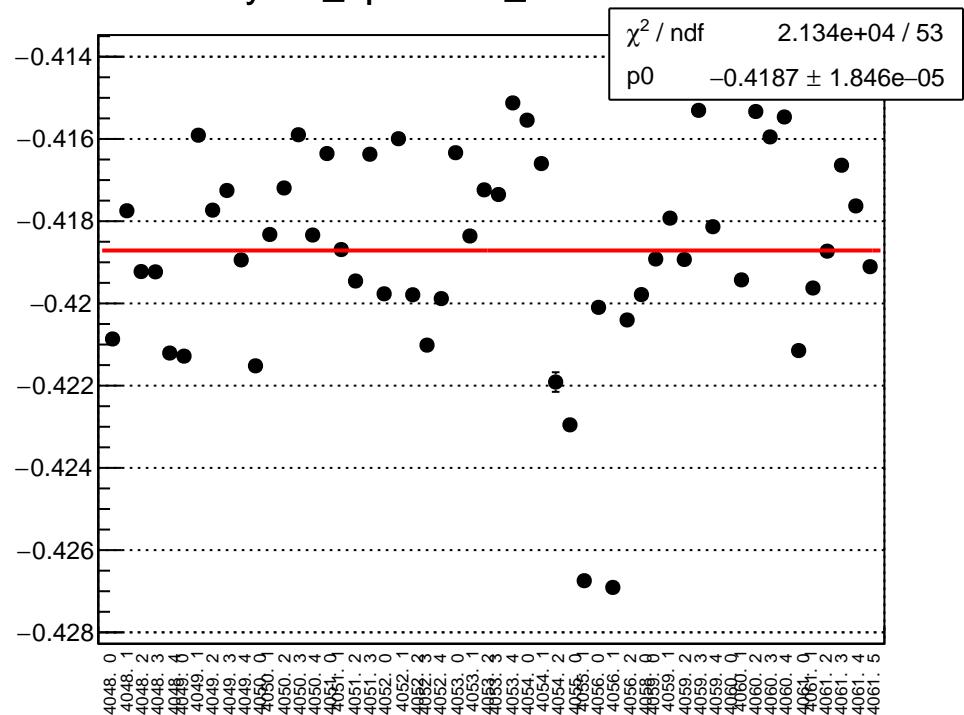
# yield\_bpm4eY\_mean vs run



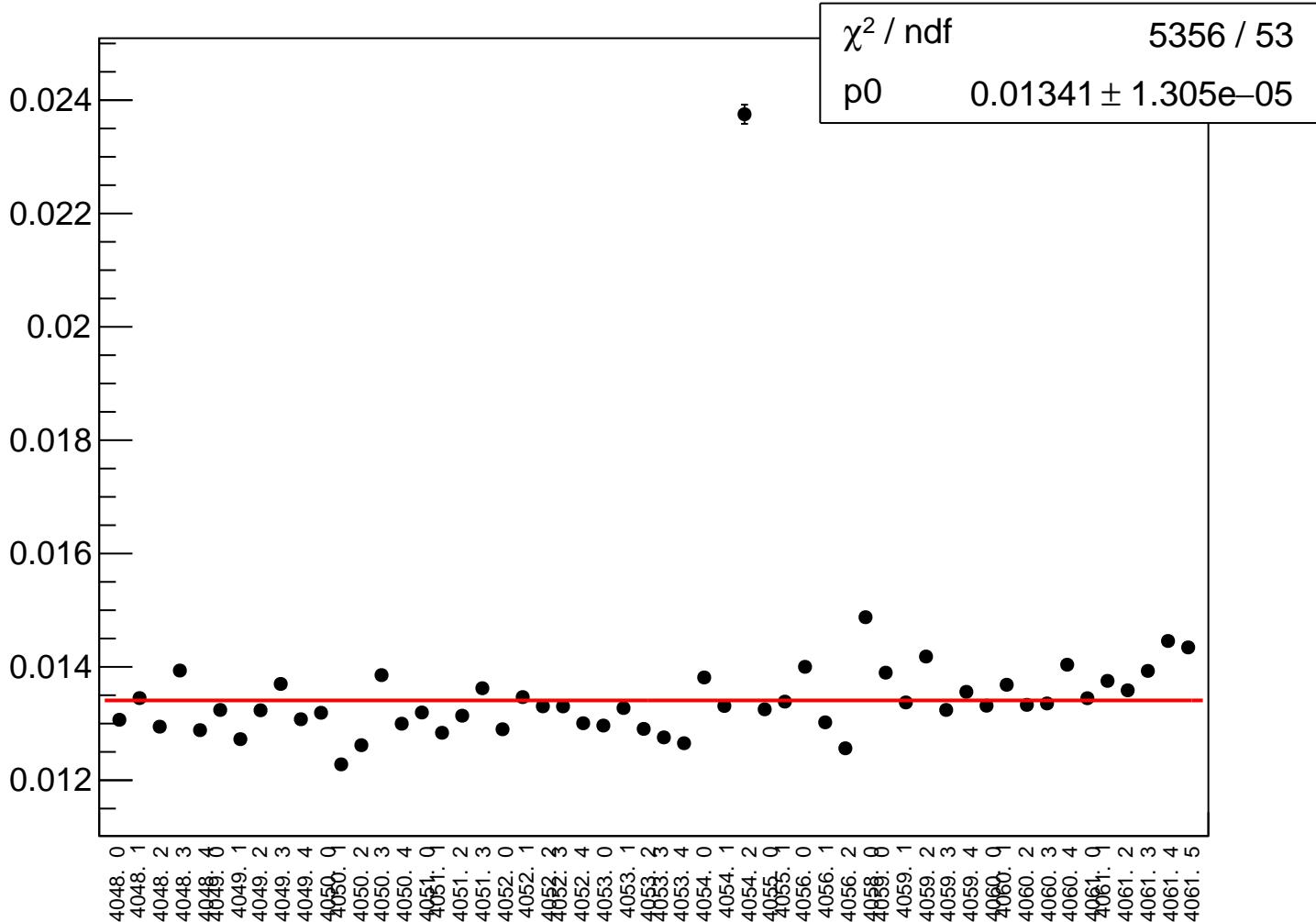
# yield\_bpm4eY\_rms vs run



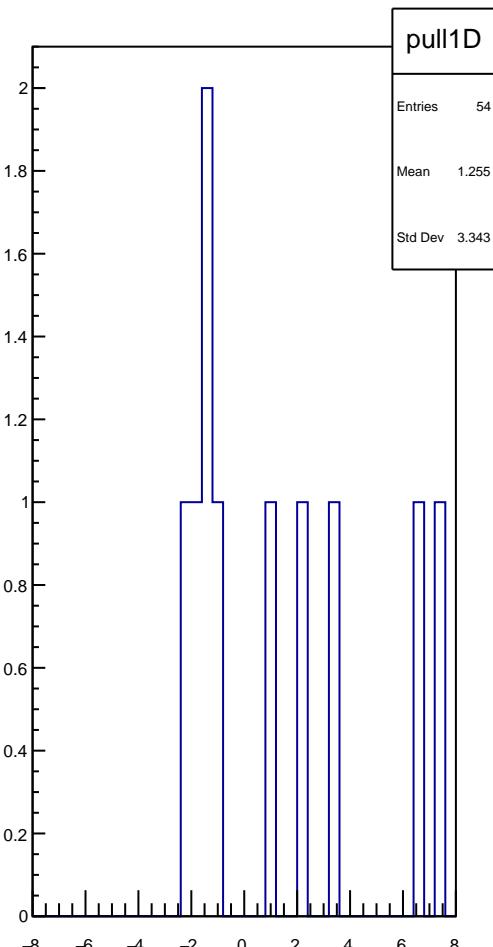
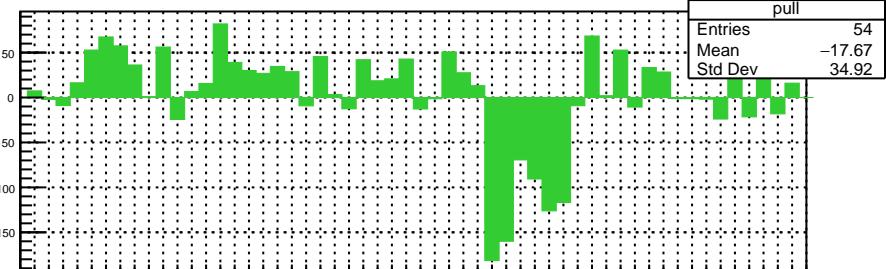
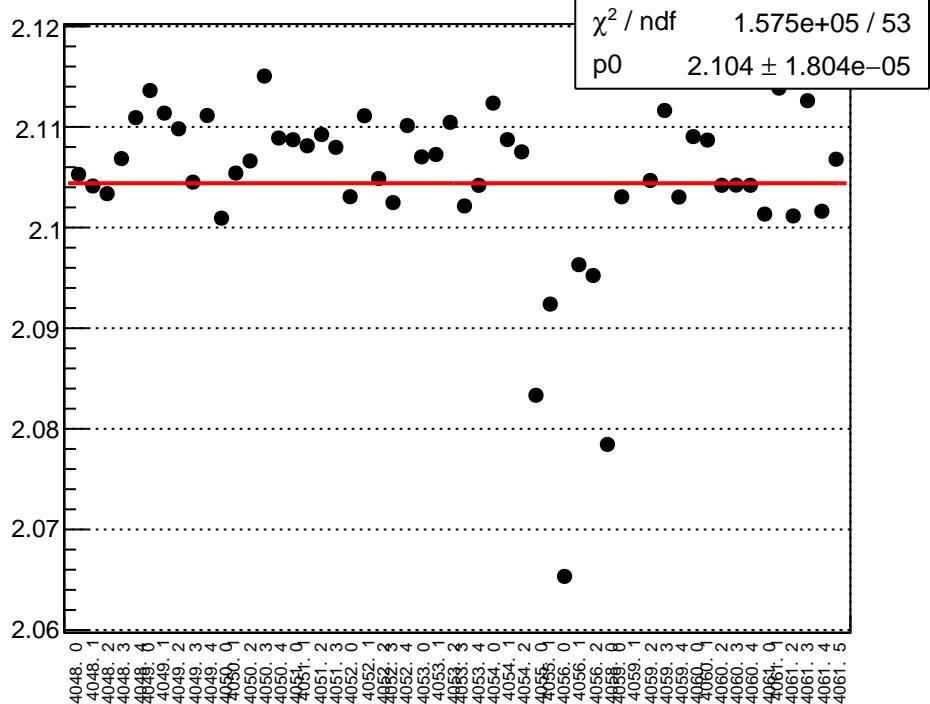
# yield\_bpm4acX\_mean vs run



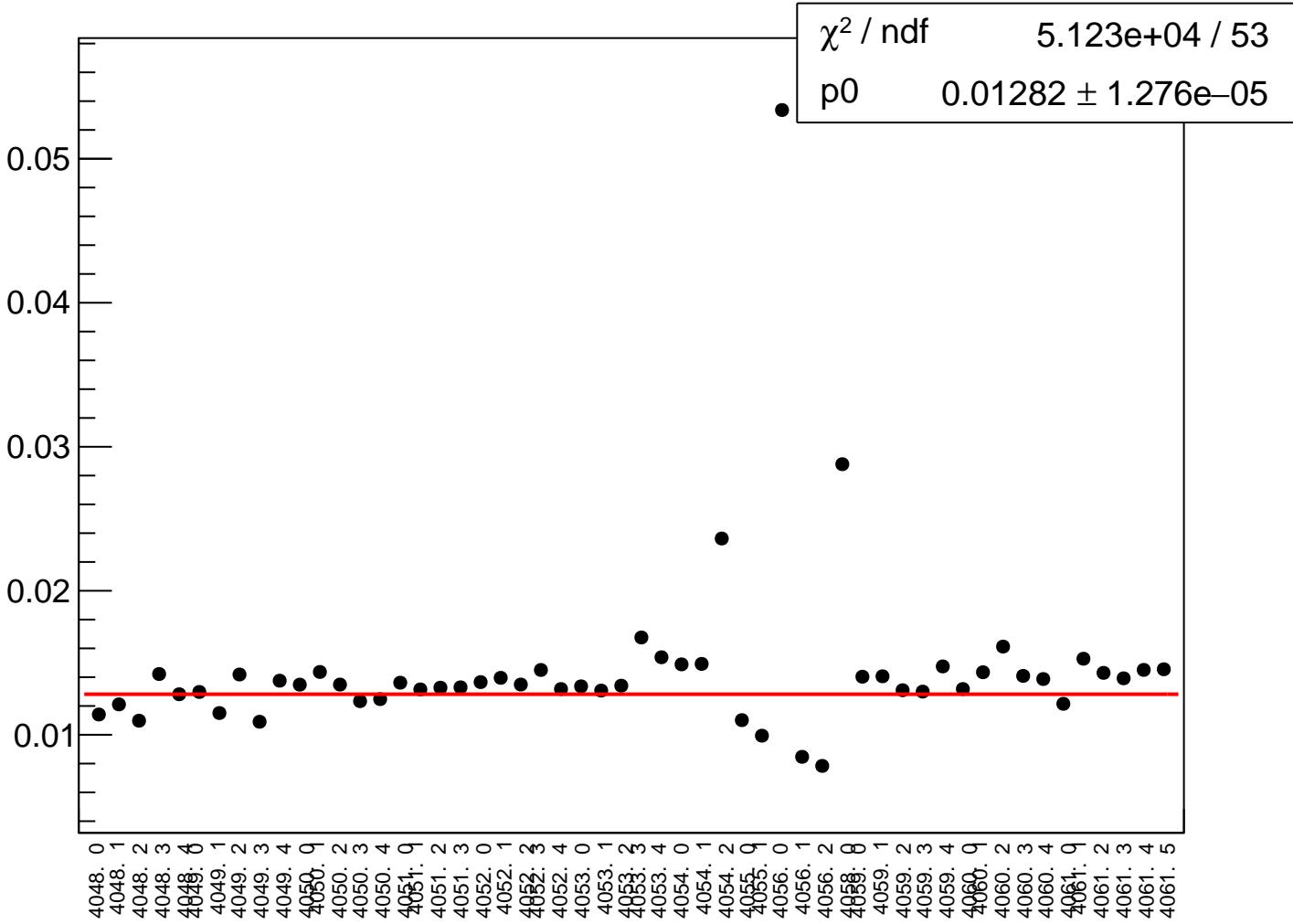
# yield\_bpm4acX\_rms vs run



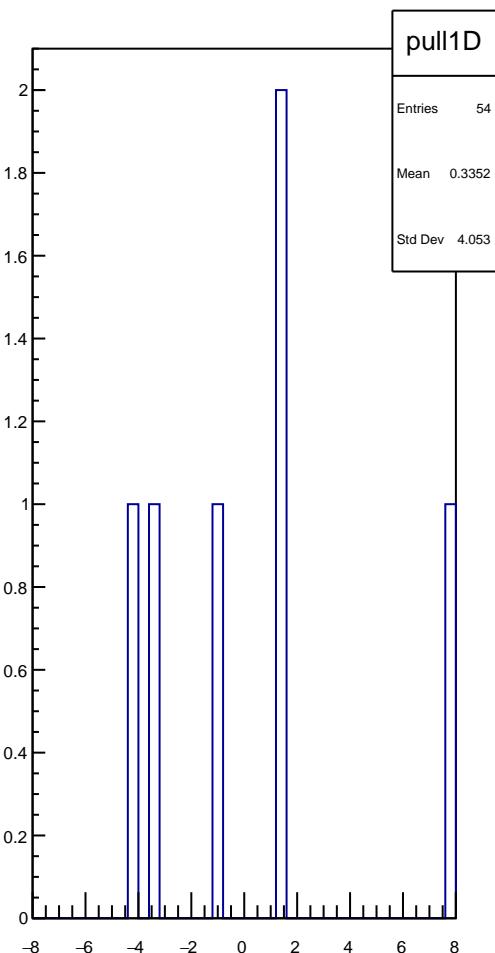
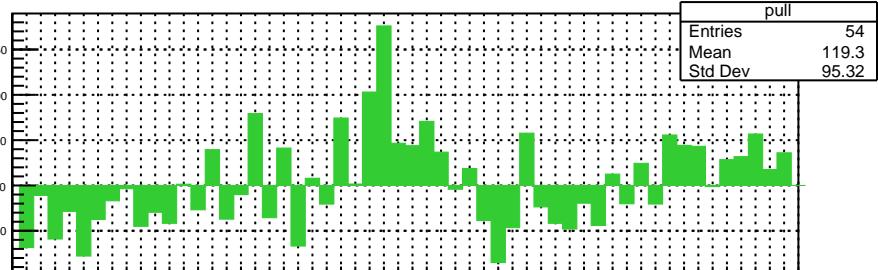
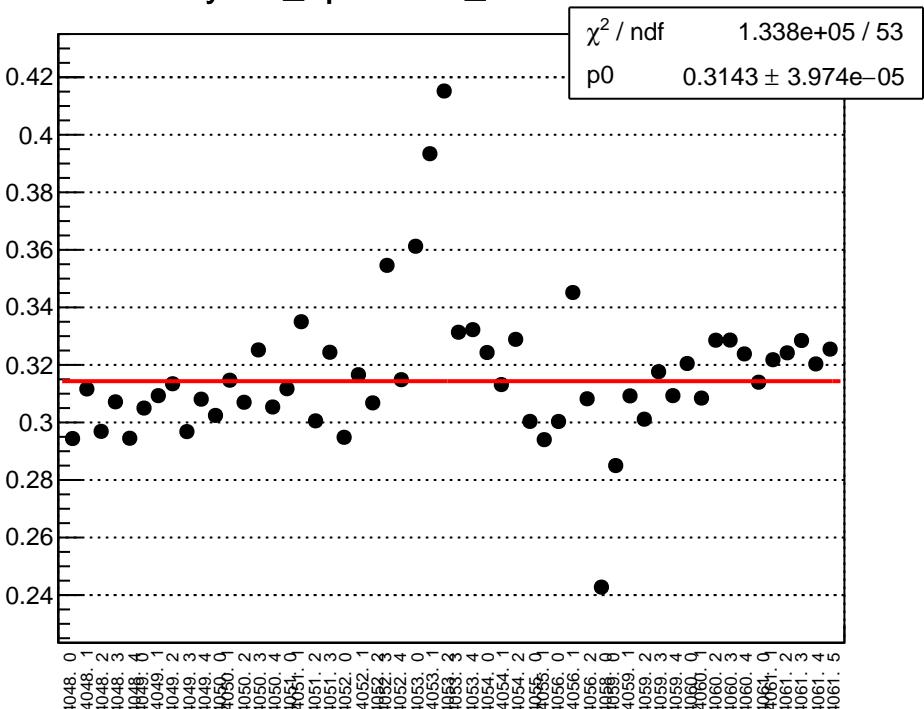
# yield\_bpm4acY\_mean vs run



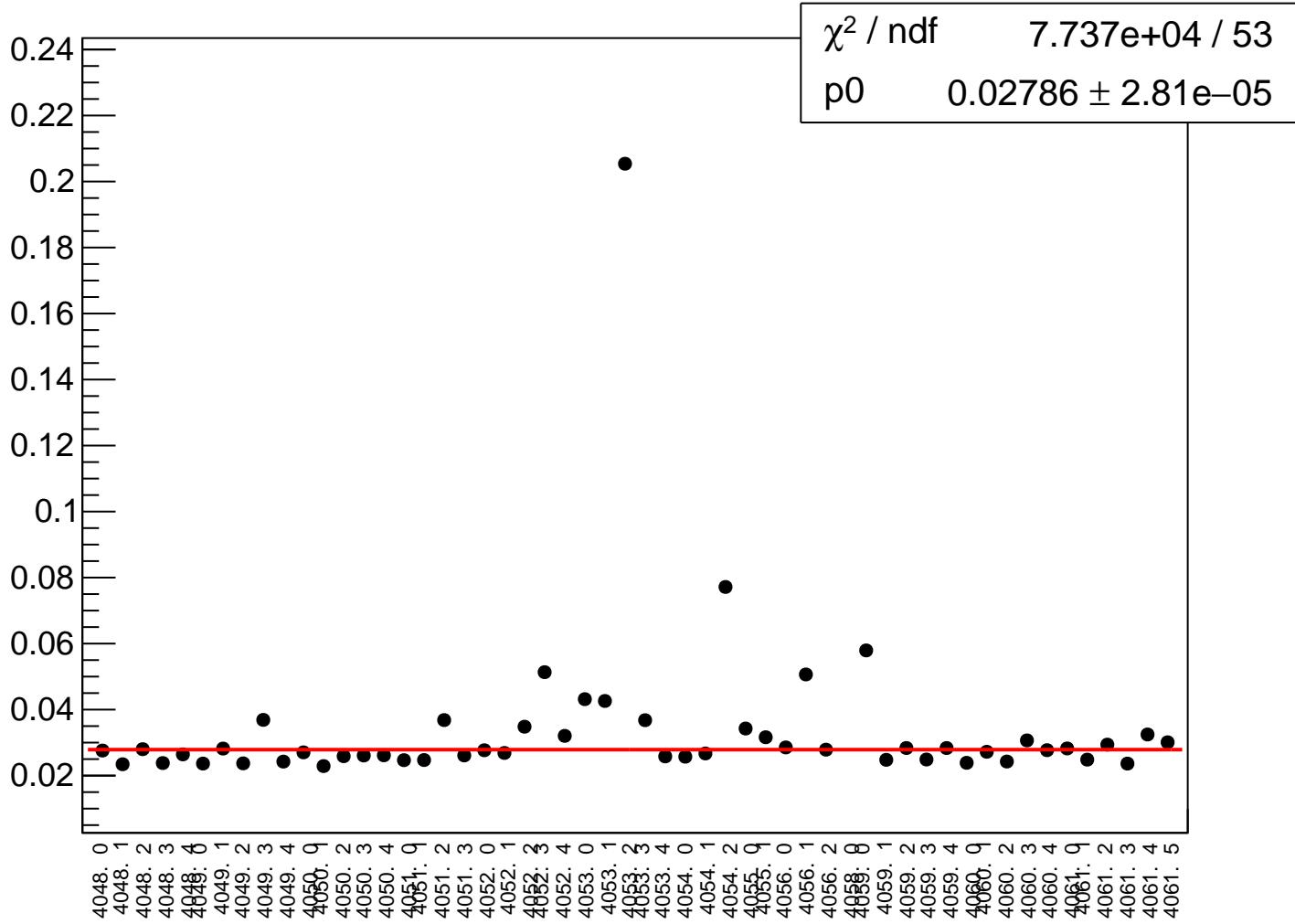
# yield\_bpm4acY\_rms vs run



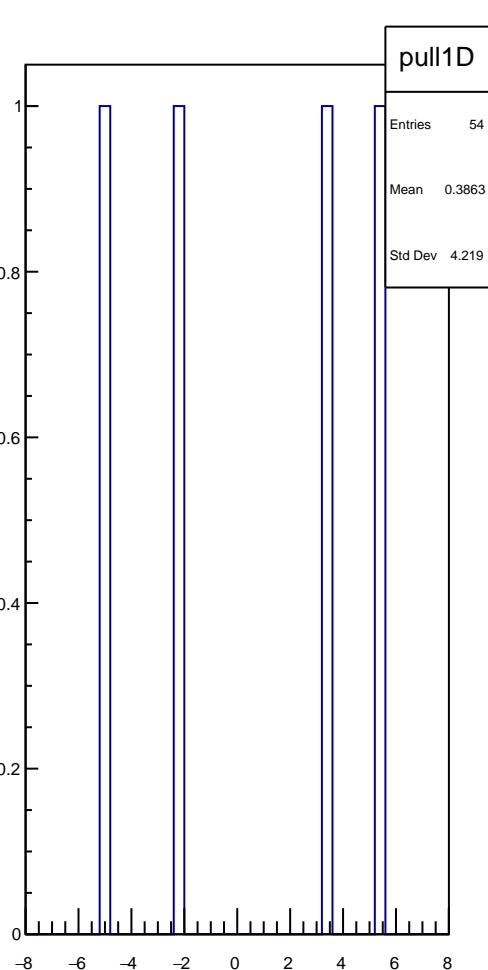
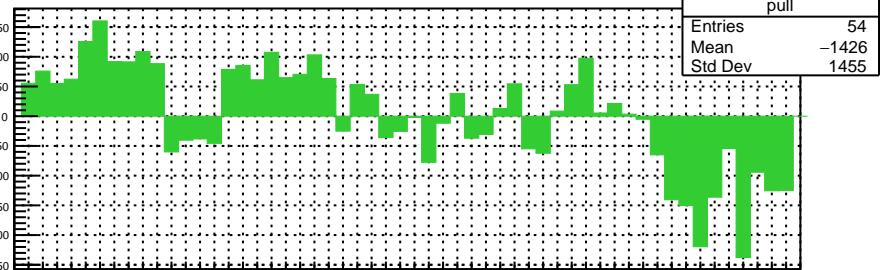
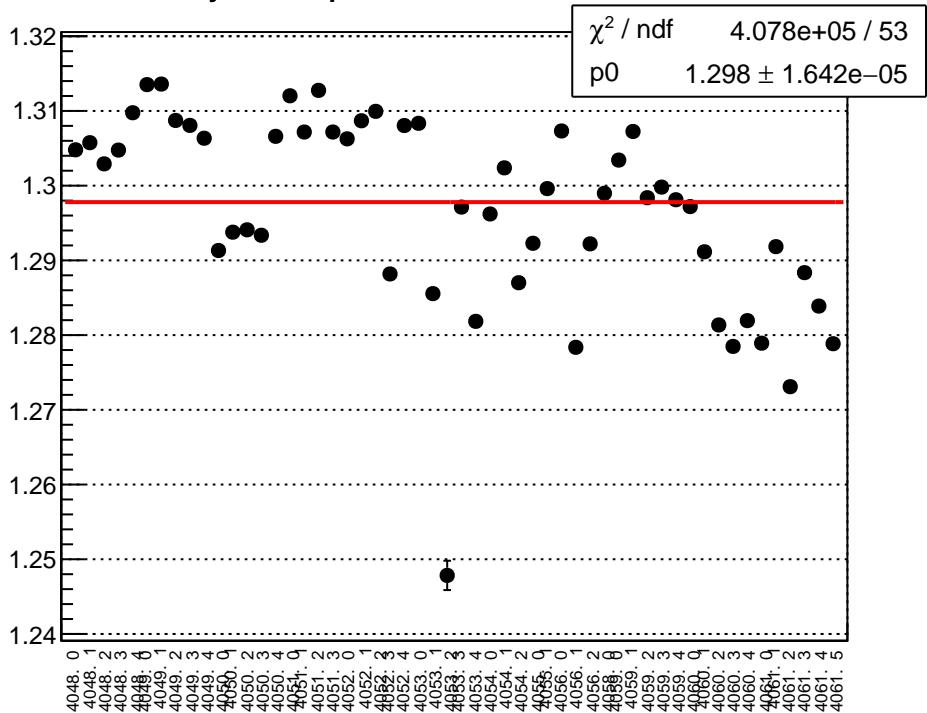
# yield\_bpm4ecX\_mean vs run



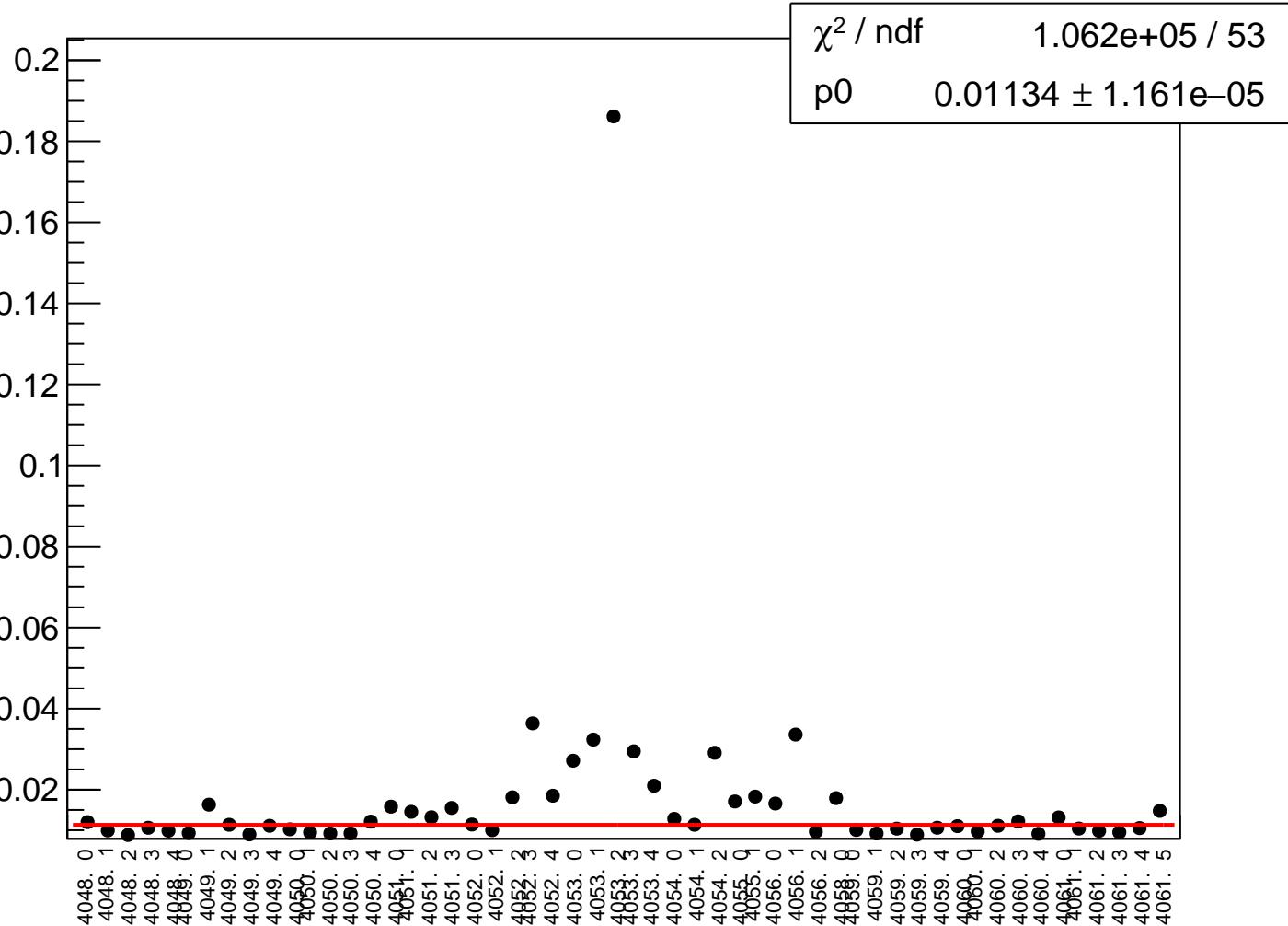
# yield\_bpm4ecX\_rms vs run



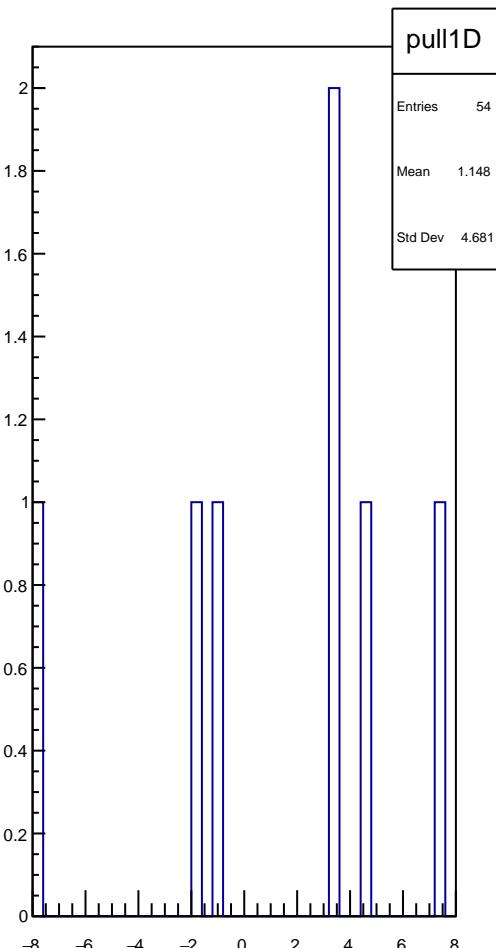
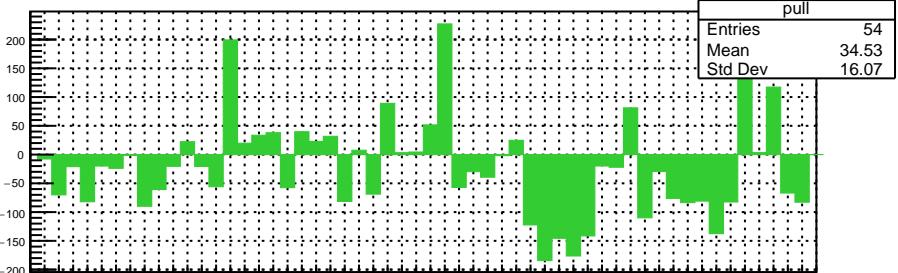
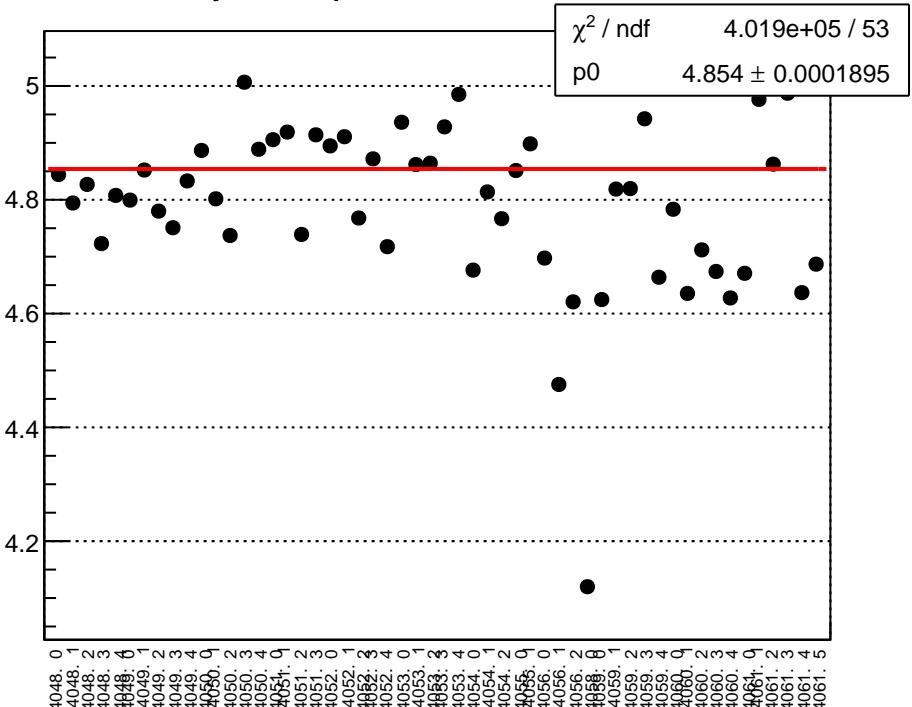
# yield\_bpm4ecY\_mean vs run



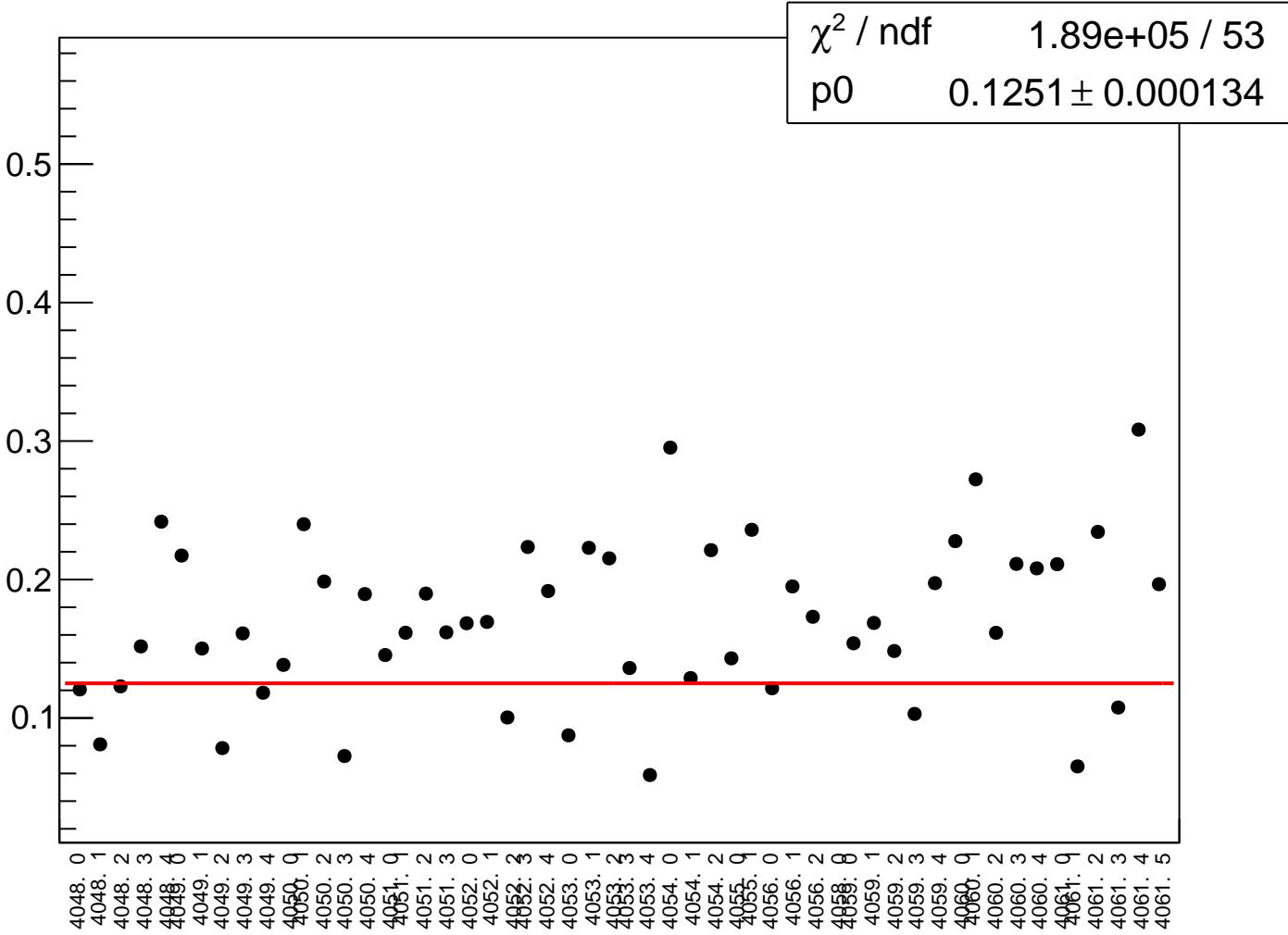
# yield\_bpm4ecY\_rms vs run



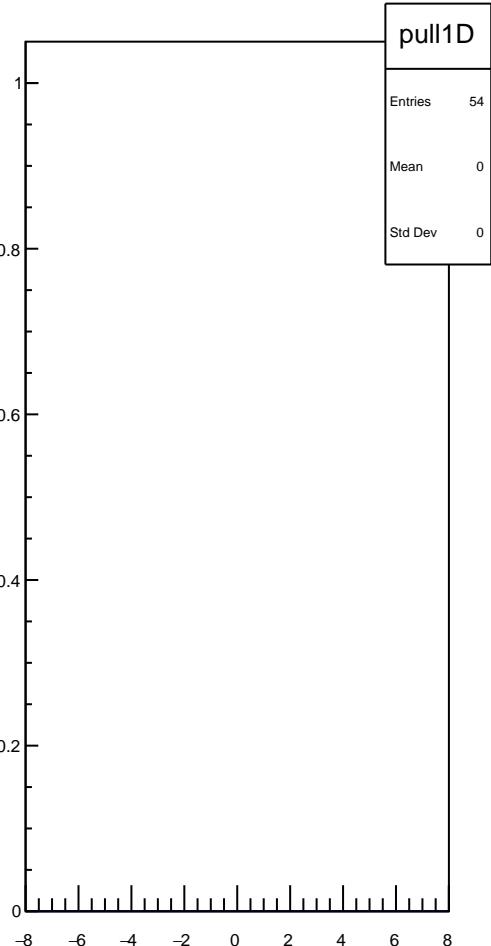
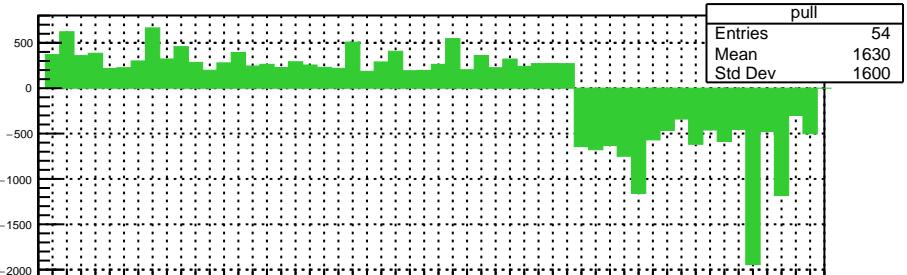
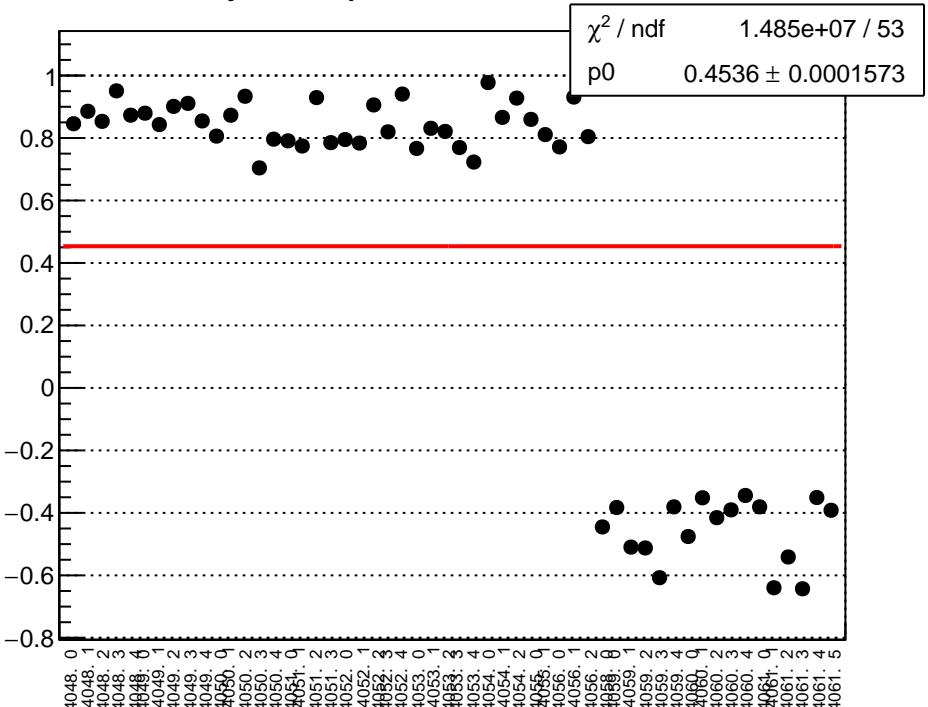
# yield\_bpm1X\_mean vs run



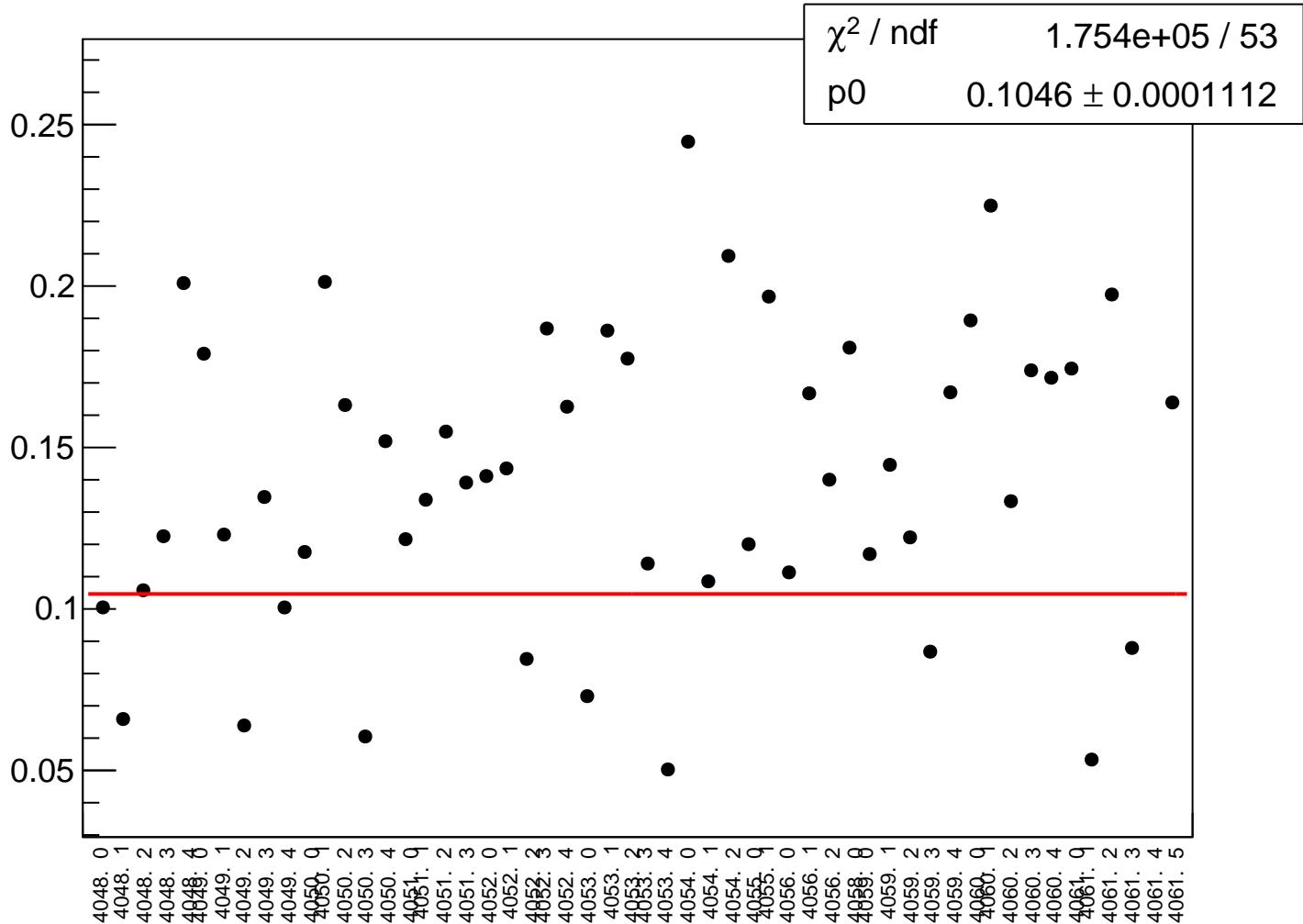
# yield\_bpm1X\_rms vs run



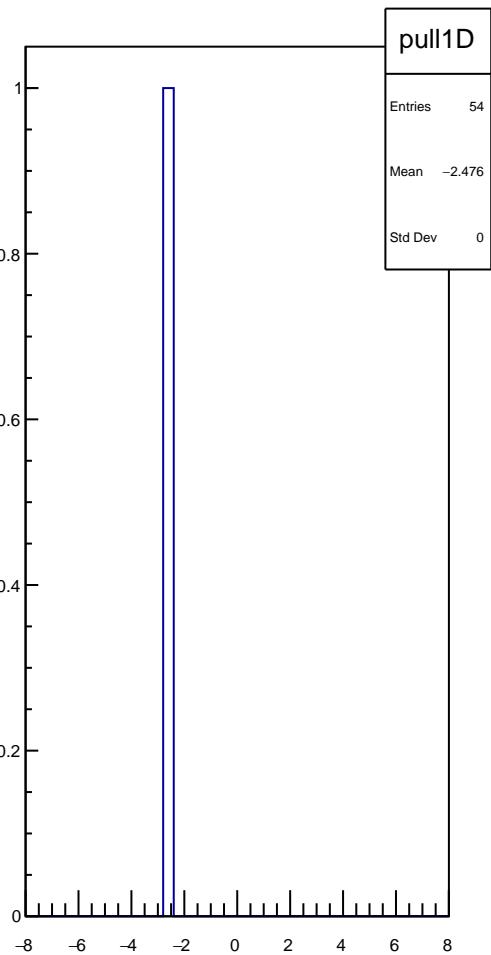
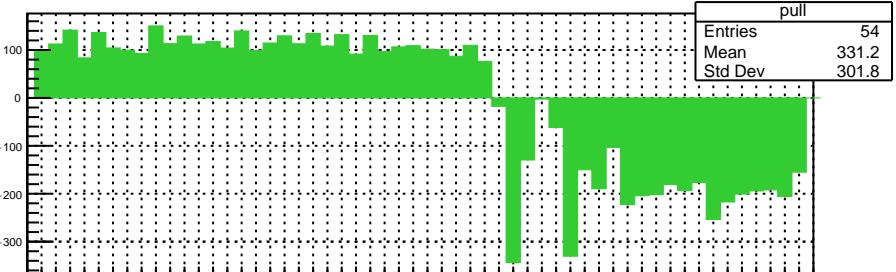
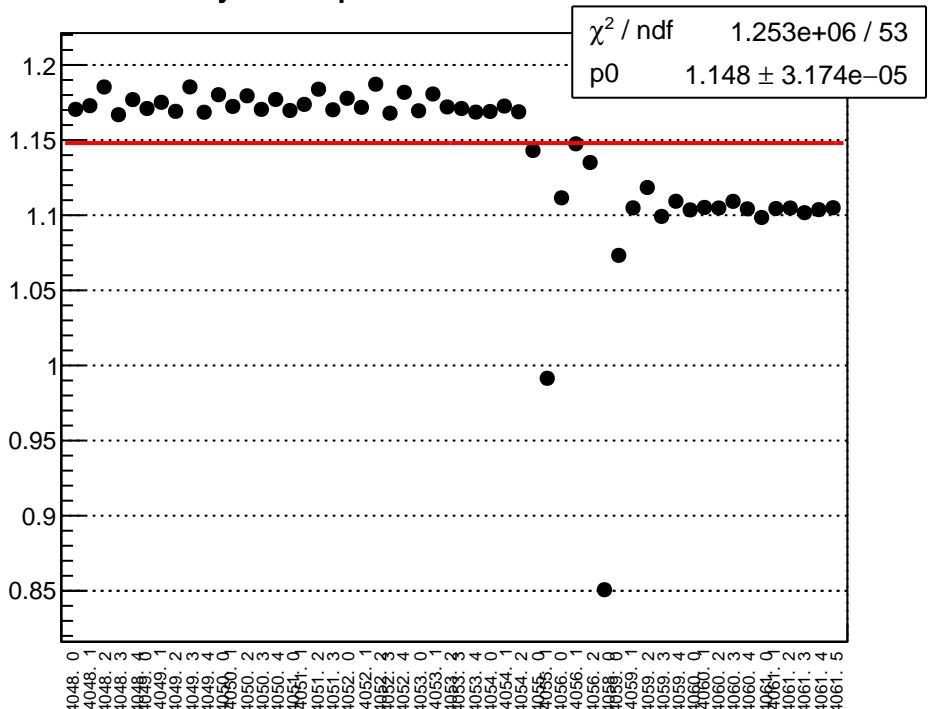
# yield\_bpm1Y\_mean vs run



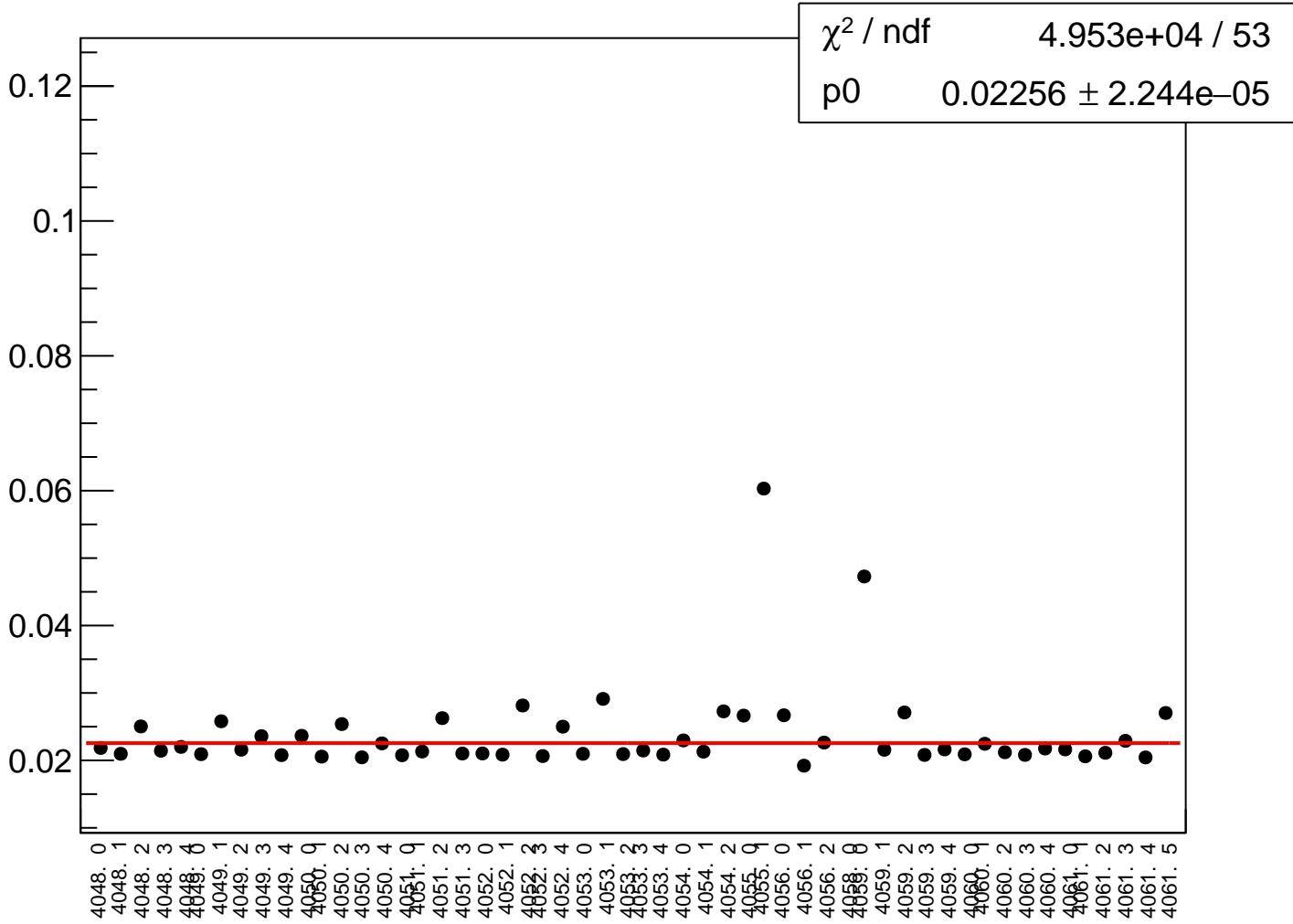
# yield\_bpm1Y\_rms vs run



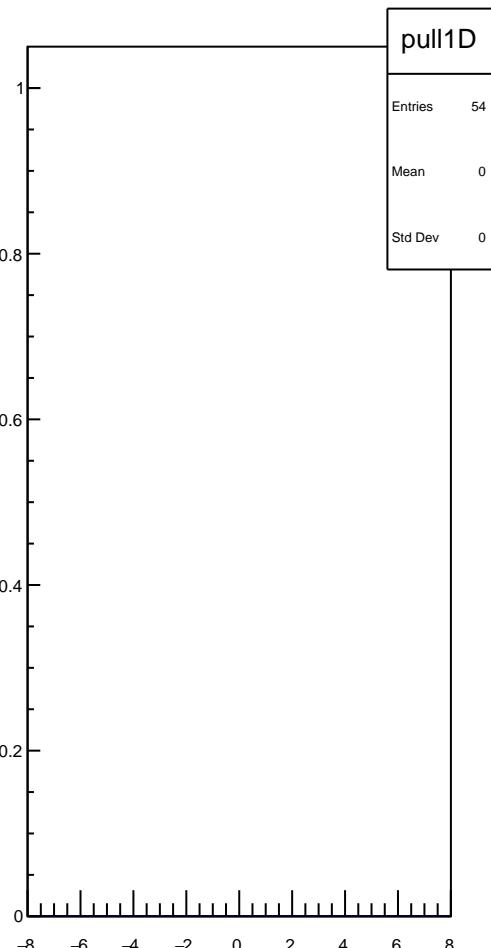
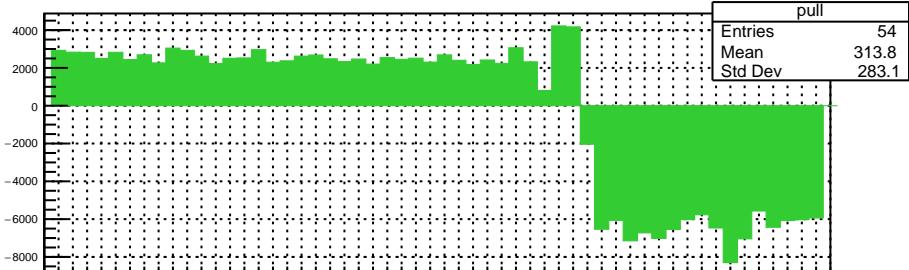
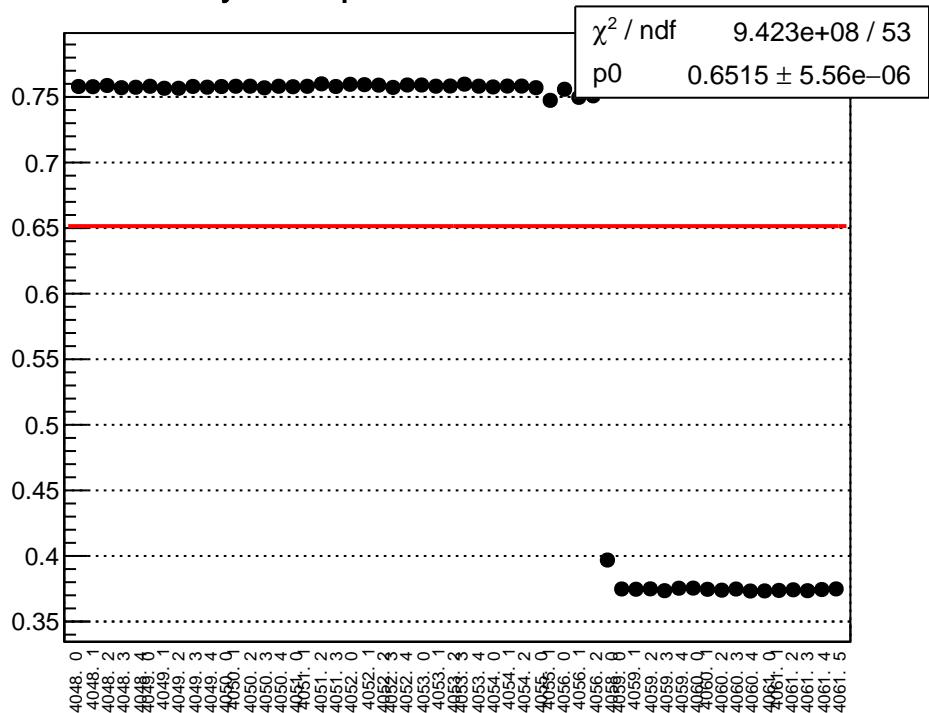
# yield\_bpm11X\_mean vs run



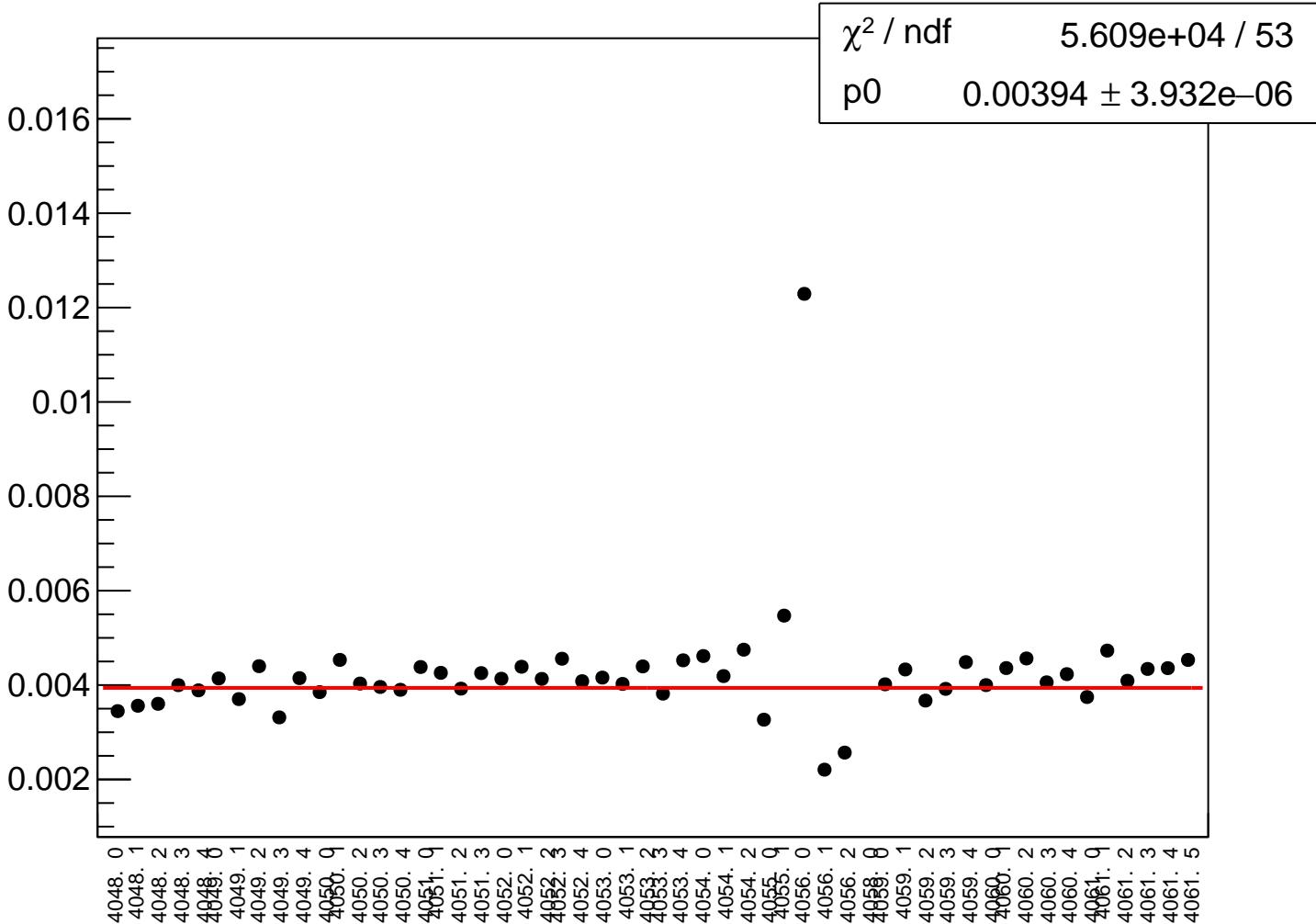
# yield\_bpm11X\_rms vs run



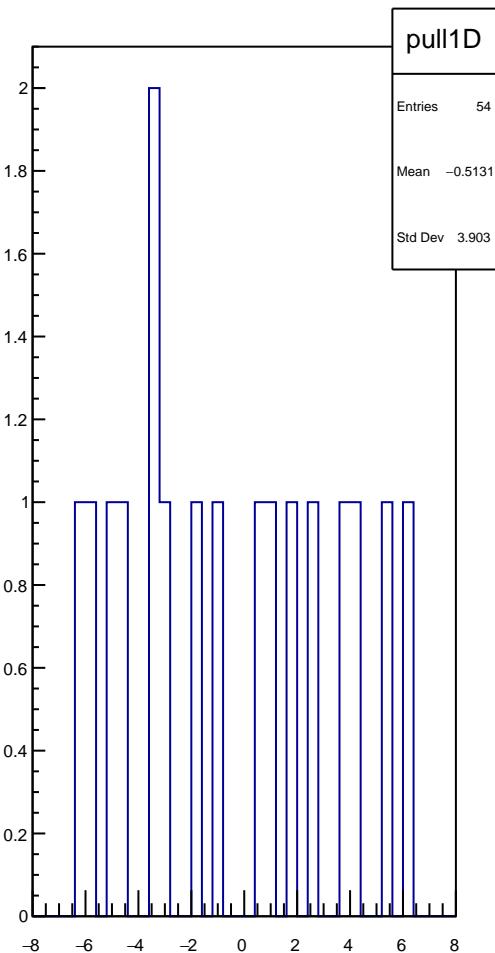
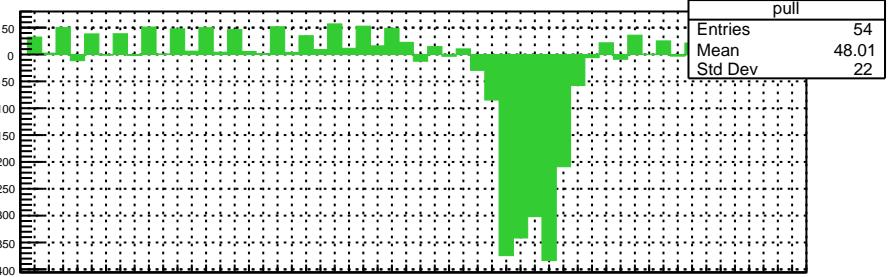
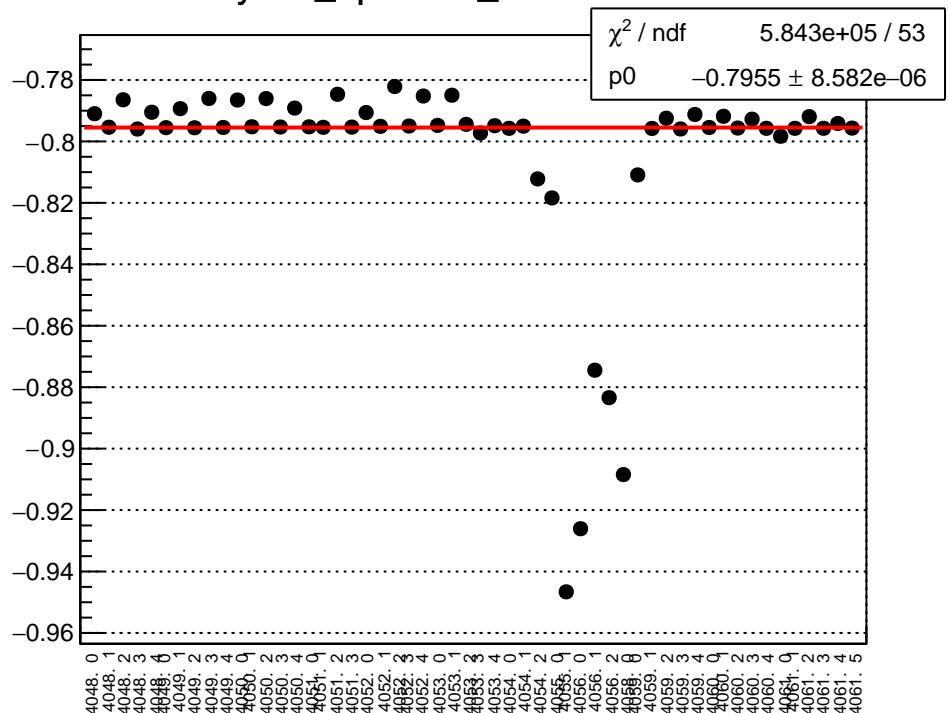
# yield\_bpm11Y\_mean vs run



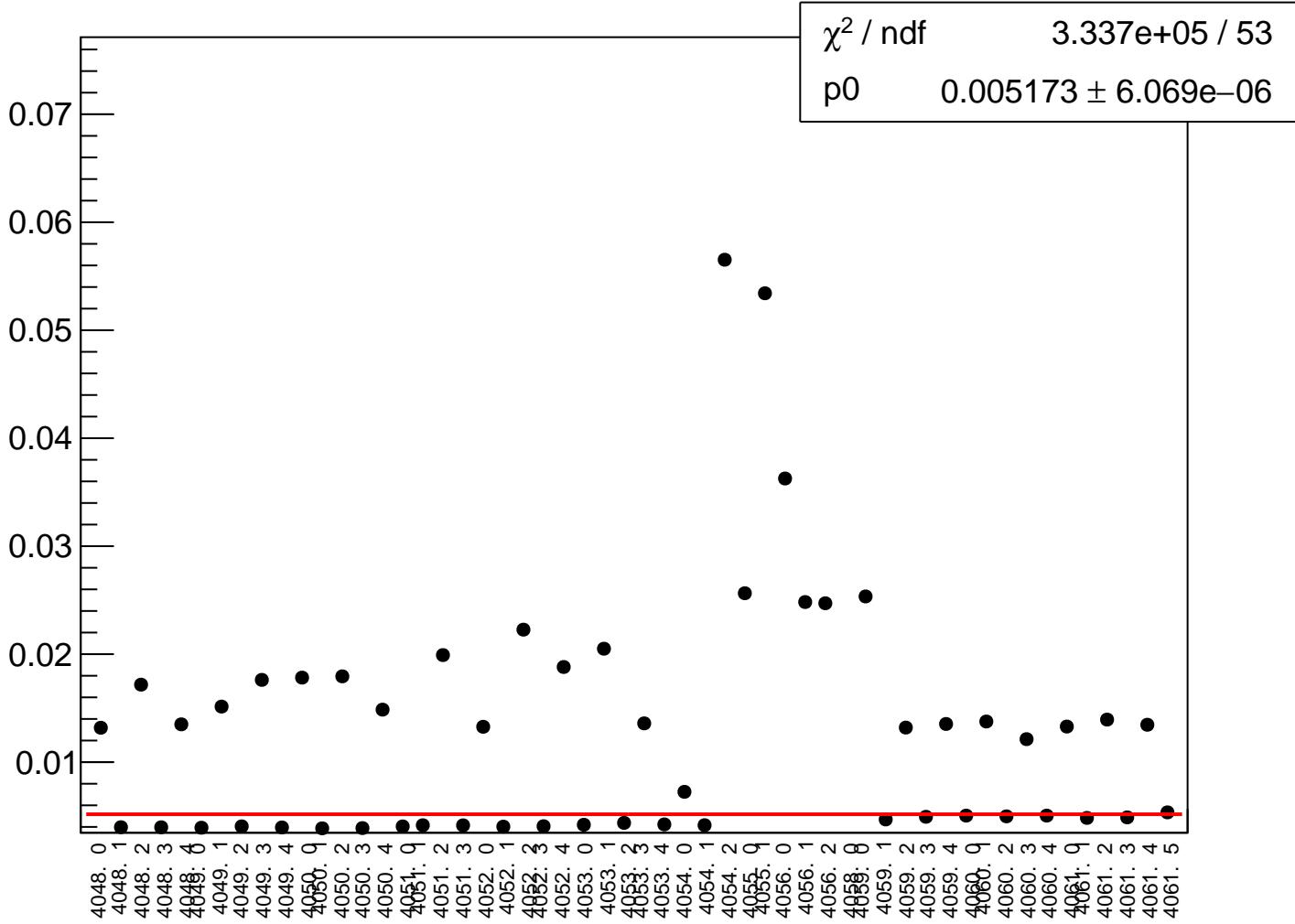
# yield\_bpm11Y\_rms vs run



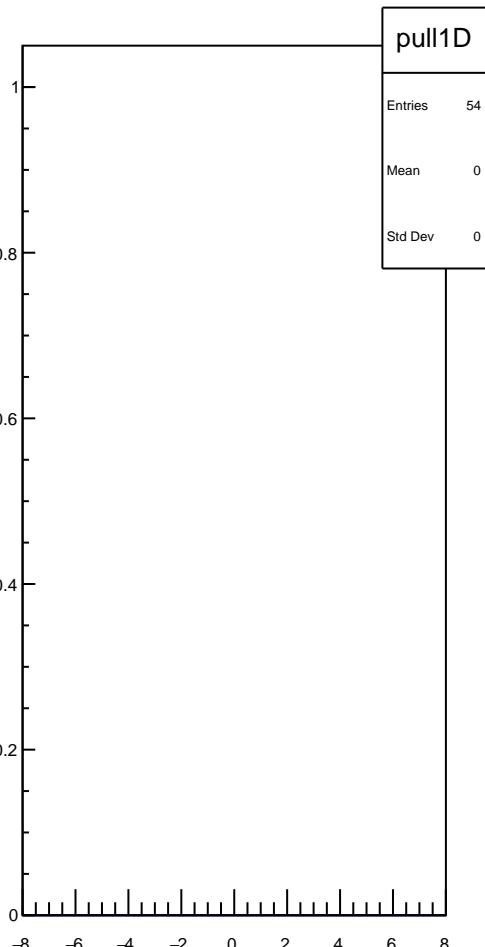
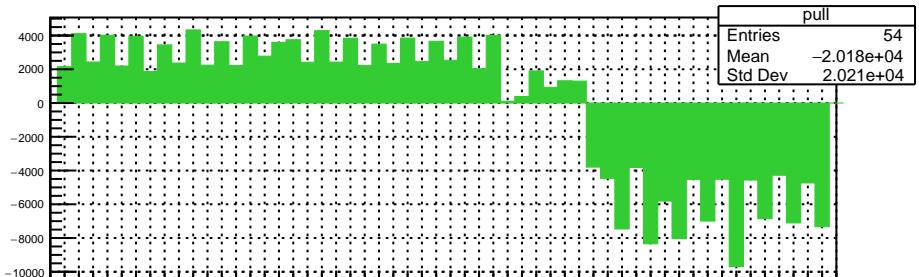
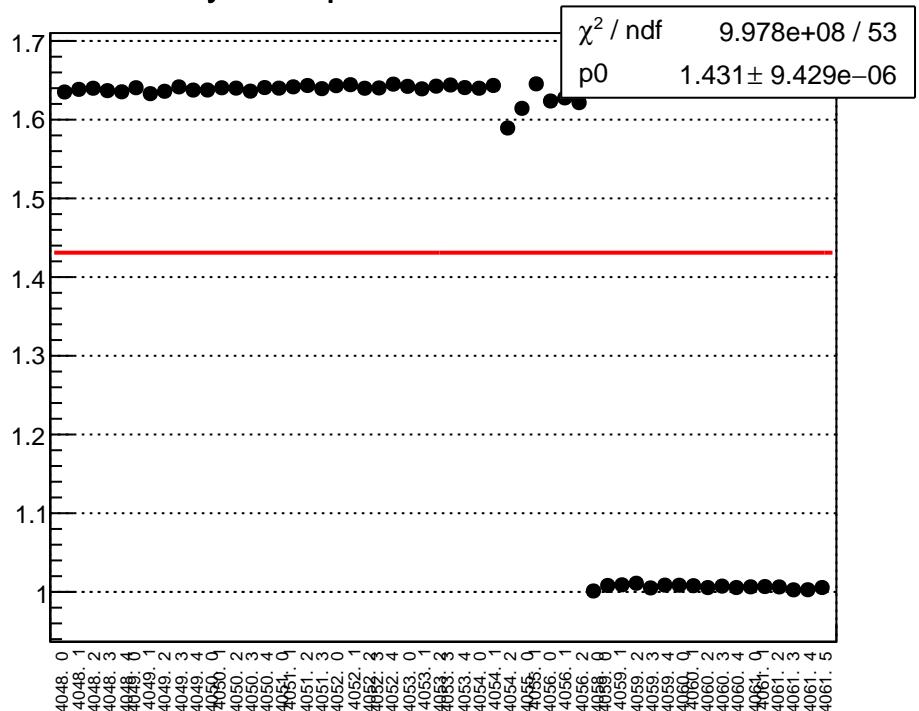
# yield\_bpm12X\_mean vs run



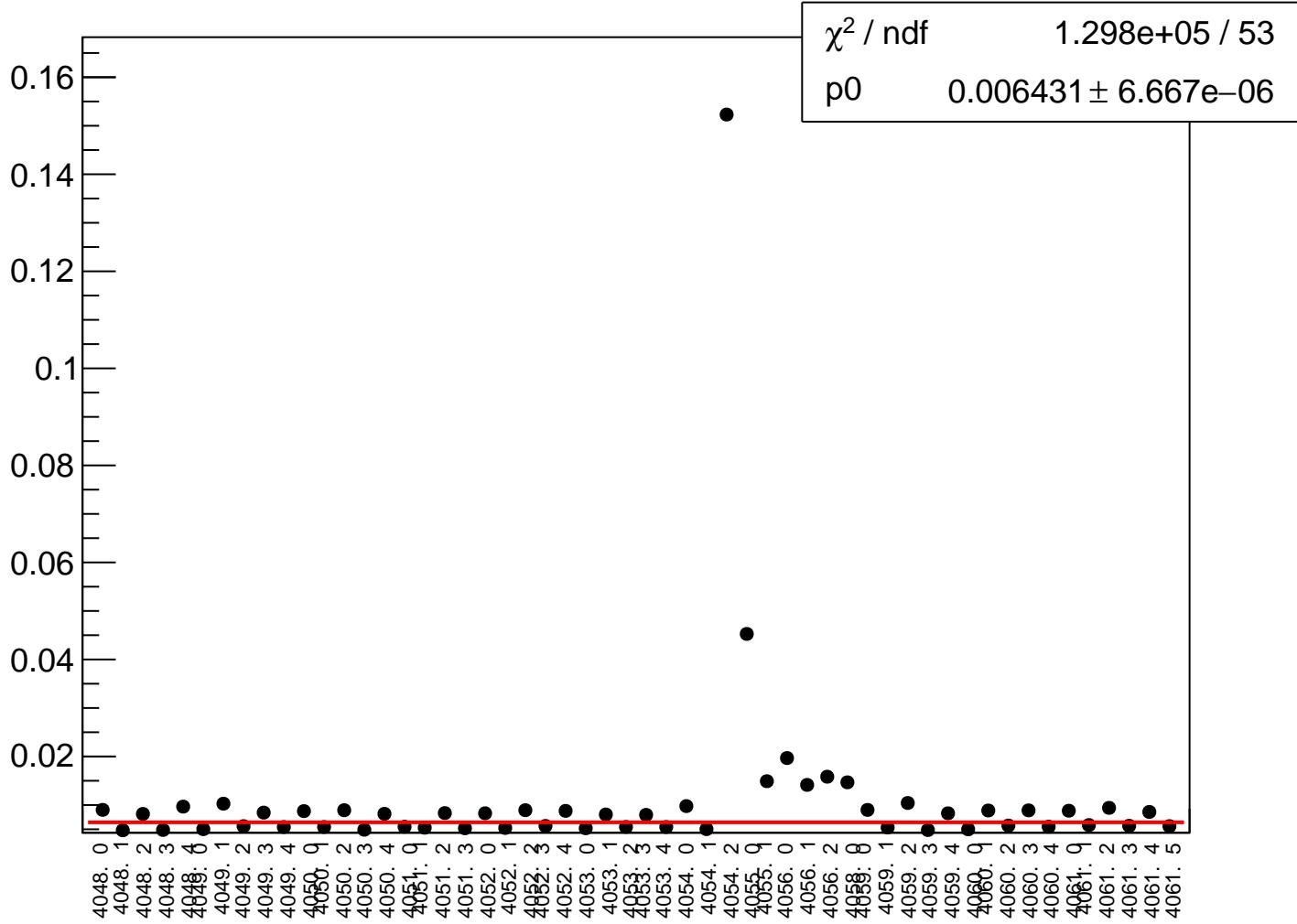
# yield\_bpm12X\_rms vs run



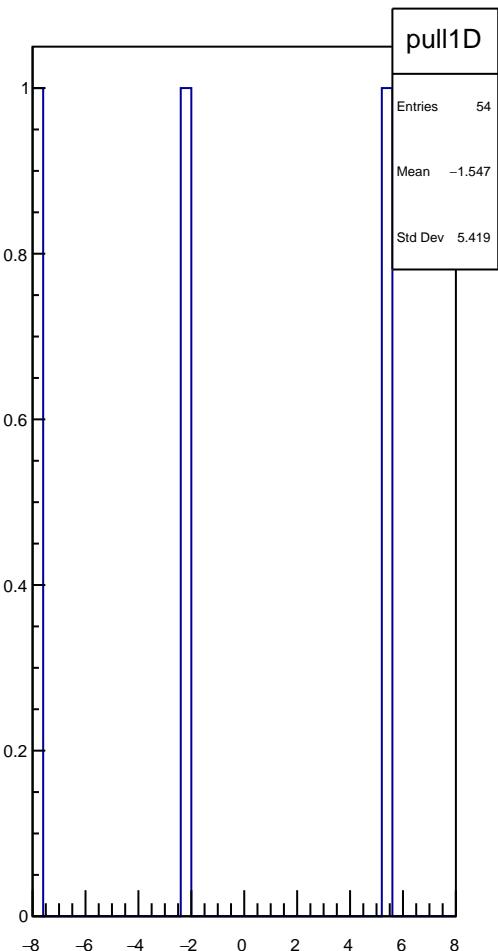
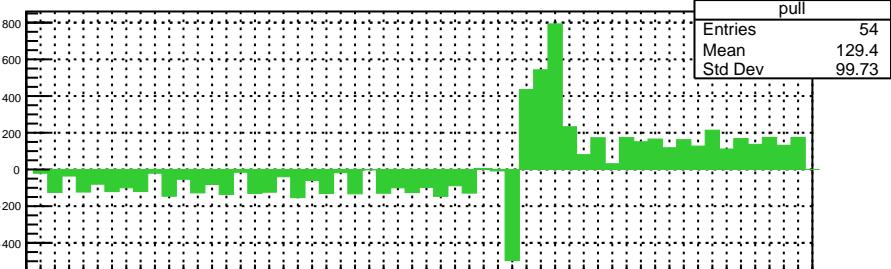
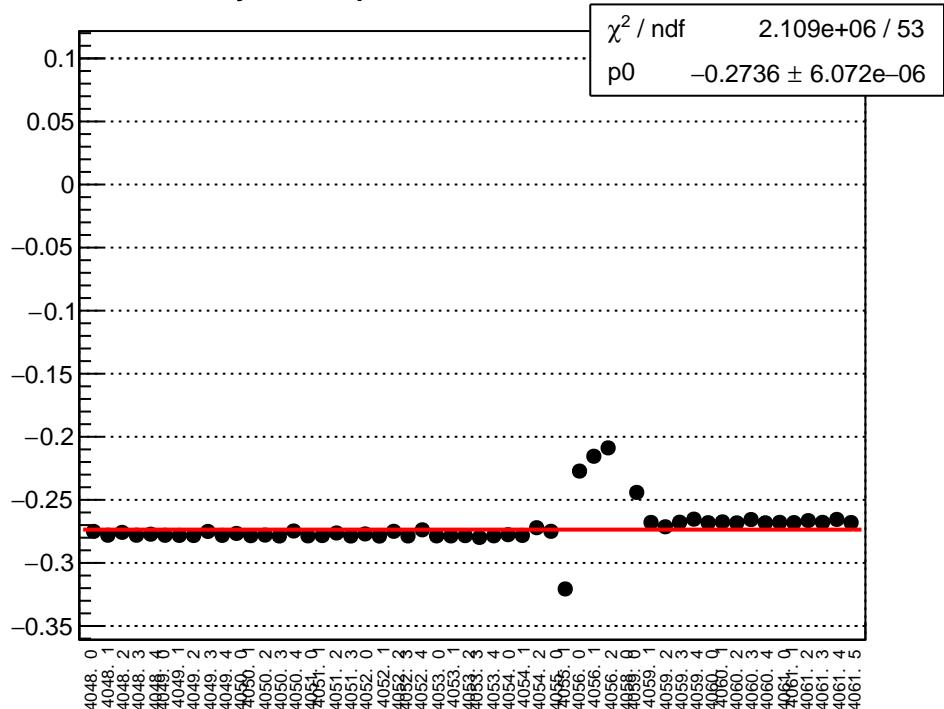
# yield\_bpm12Y\_mean vs run



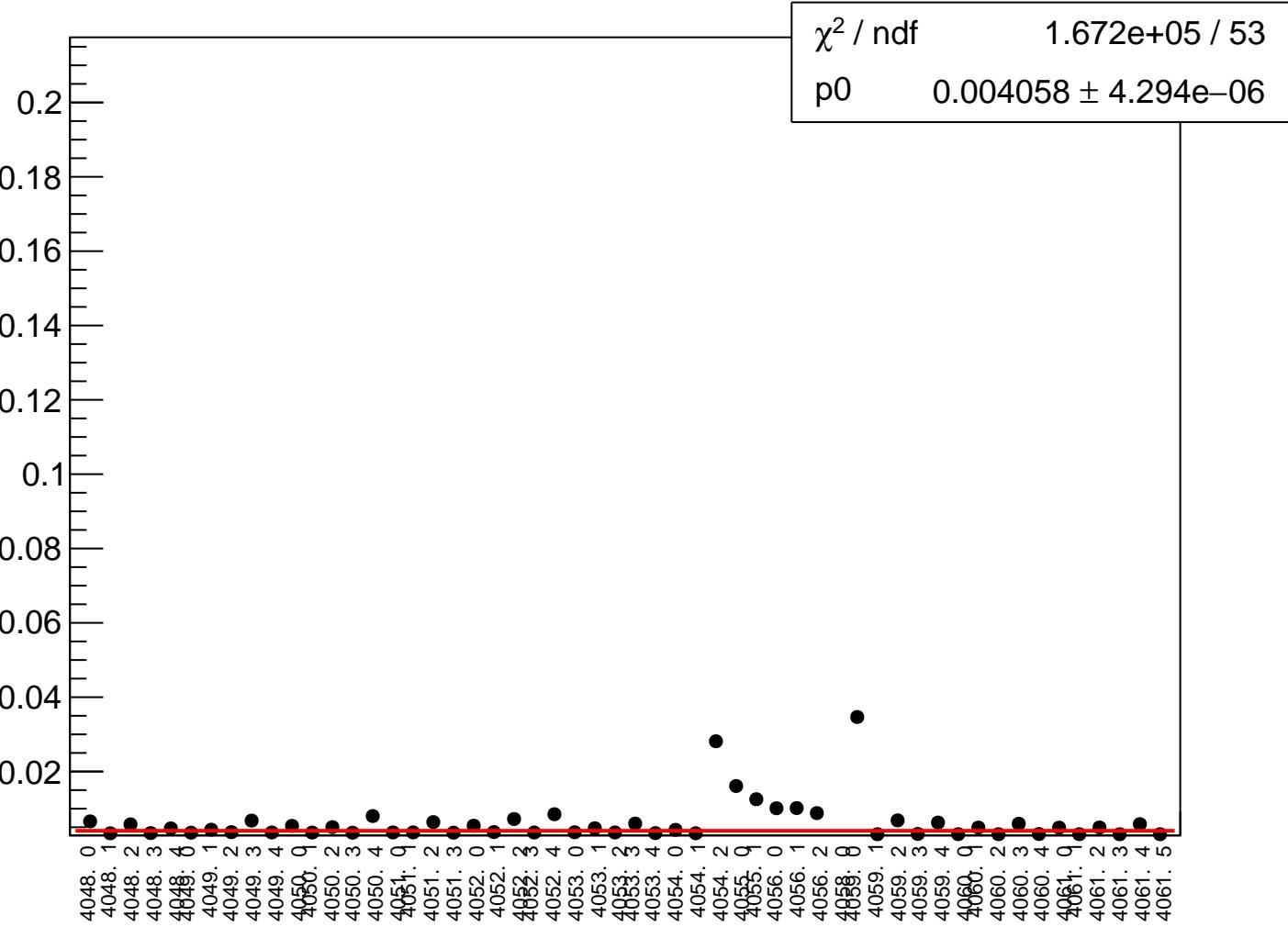
# yield\_bpm12Y\_rms vs run



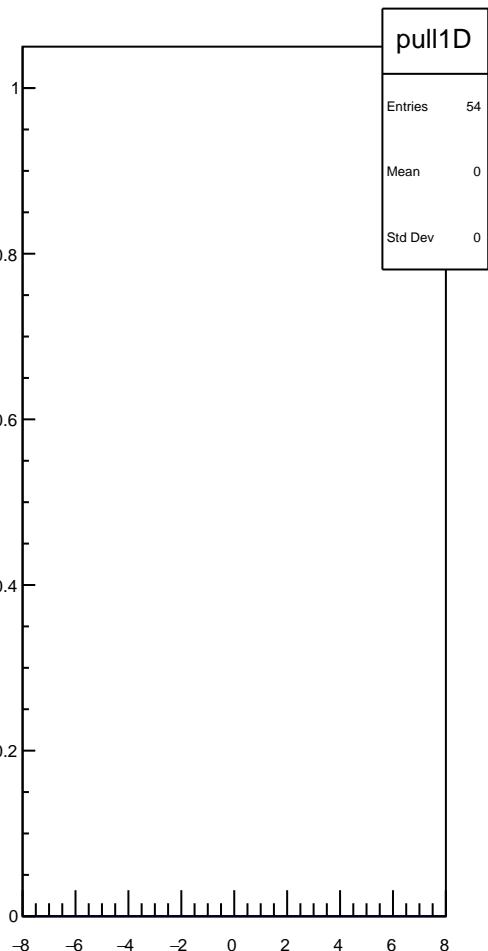
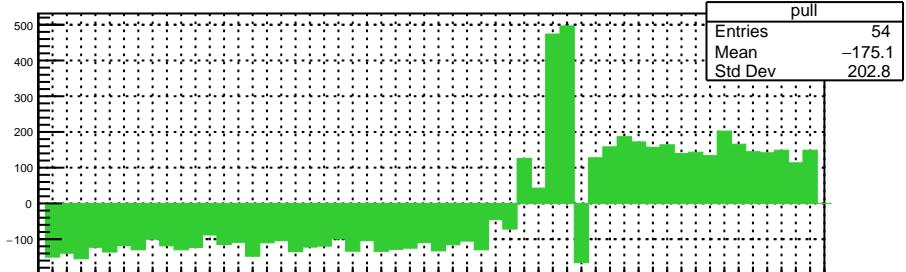
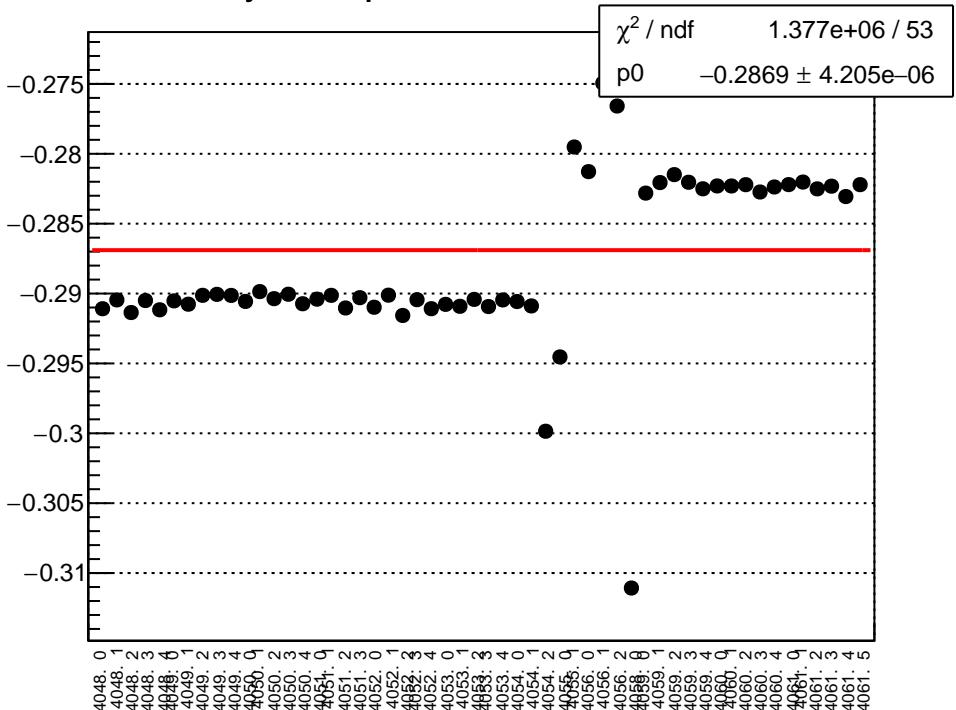
# yield\_bpm16X\_mean vs run



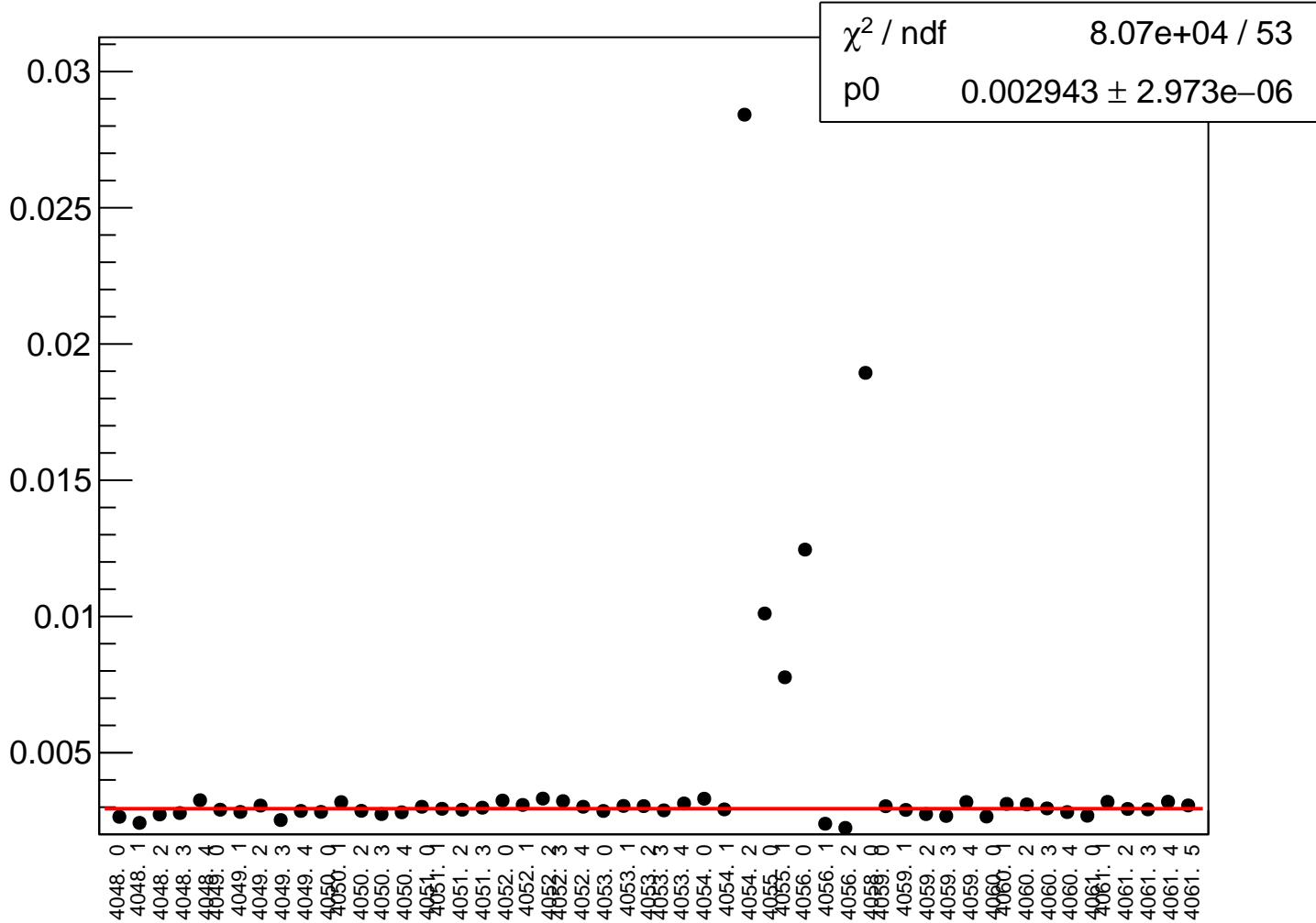
# yield\_bpm16X\_rms vs run



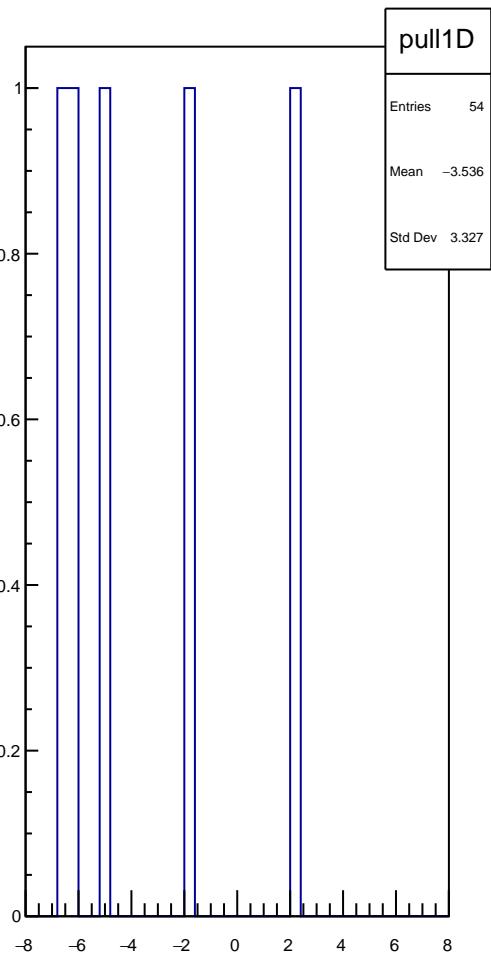
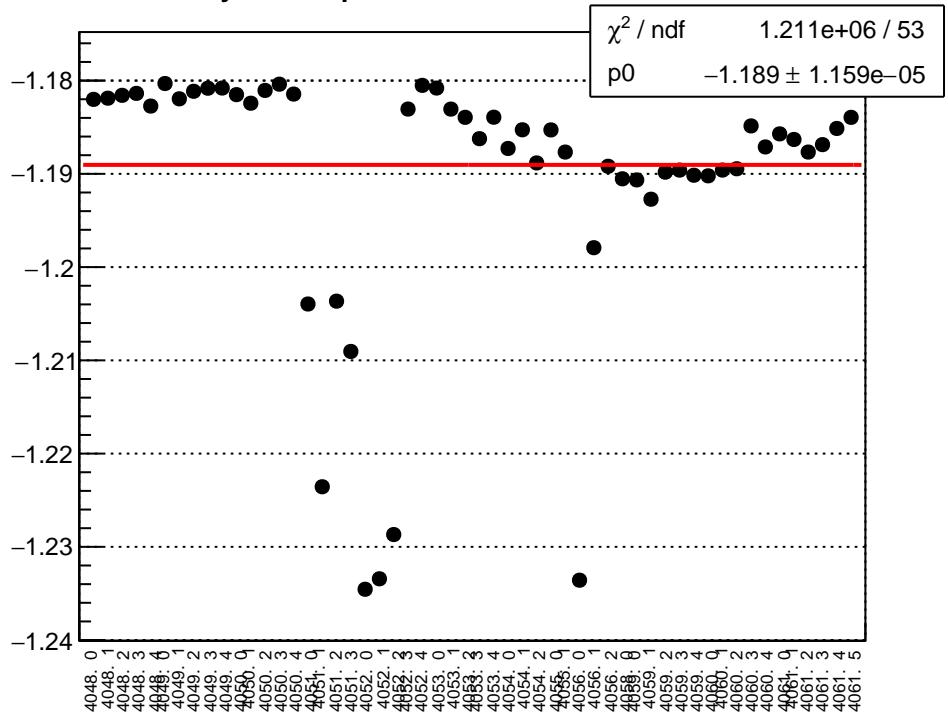
# yield\_bpm16Y\_mean vs run



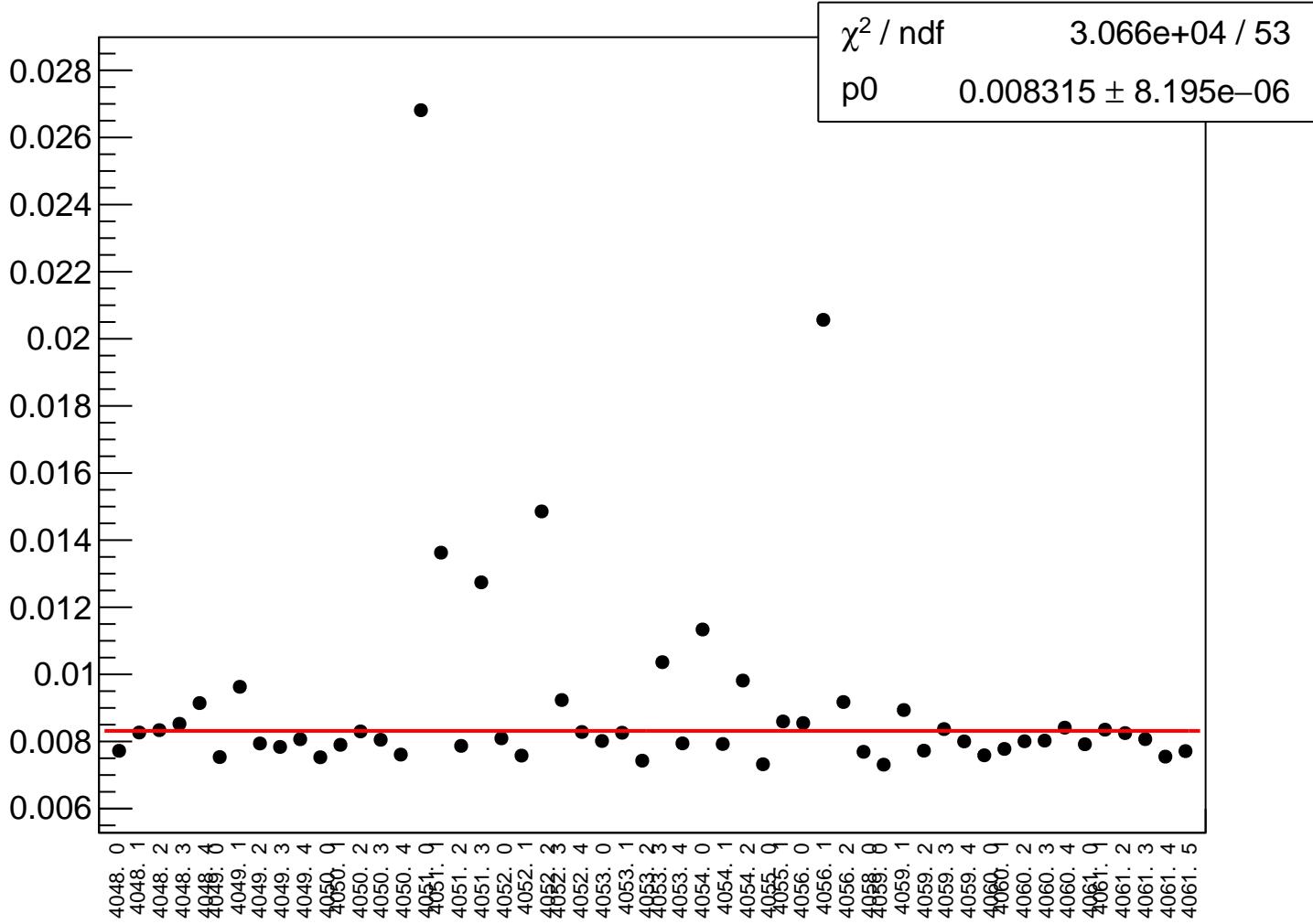
# yield\_bpm16Y\_rms vs run



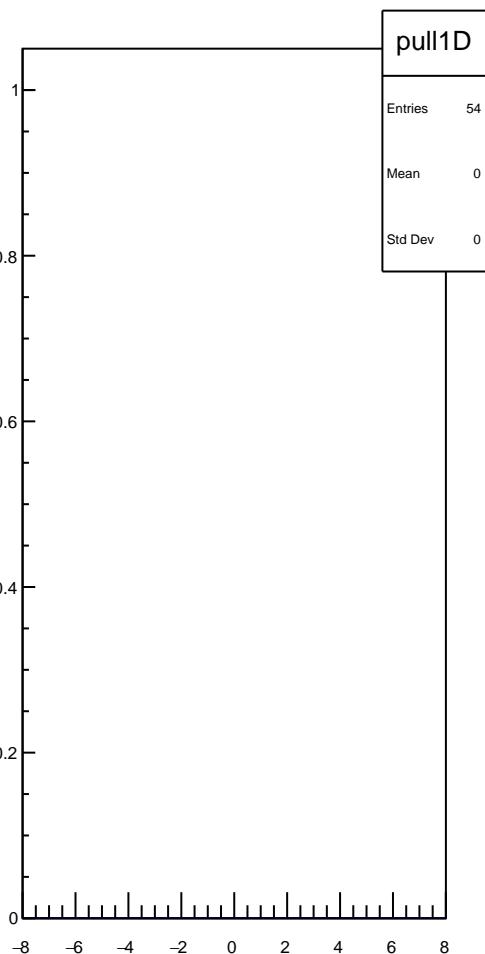
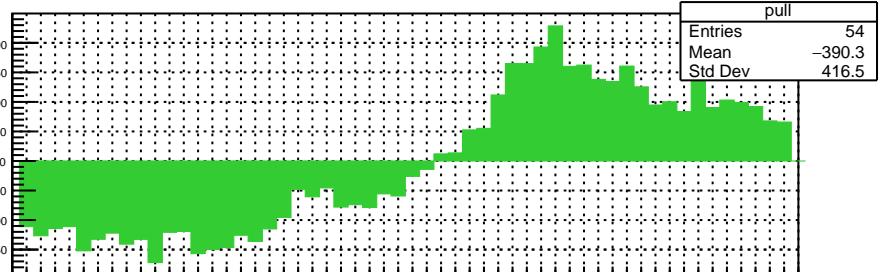
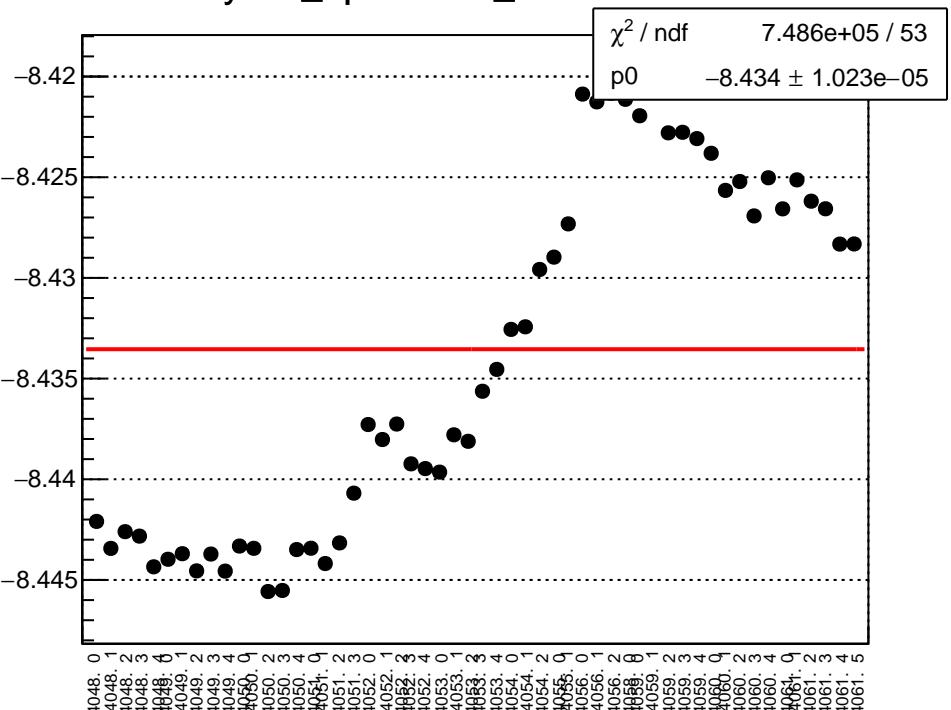
# yield\_bpm2i01X\_mean vs run



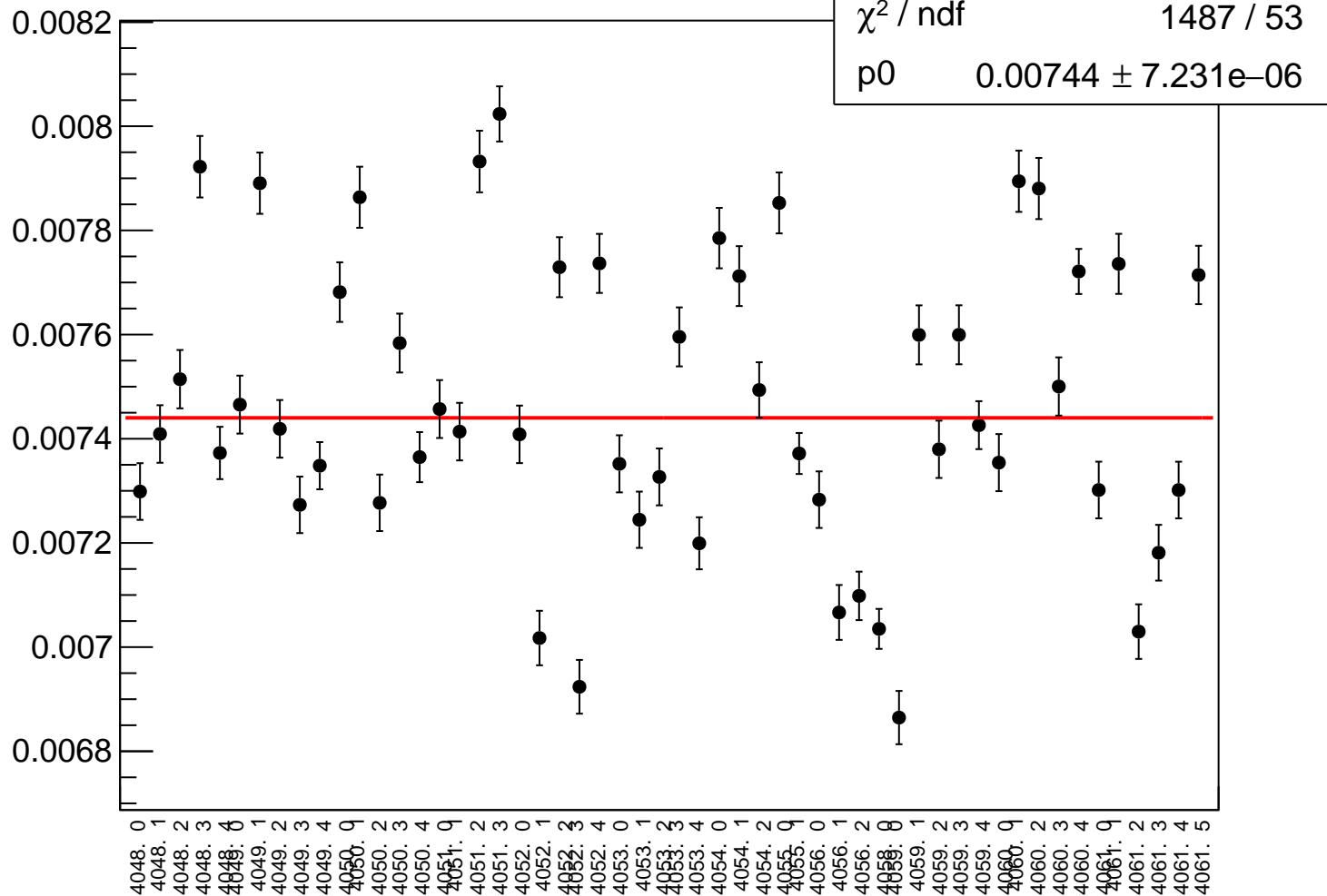
# yield\_bpm2i01X\_rms vs run



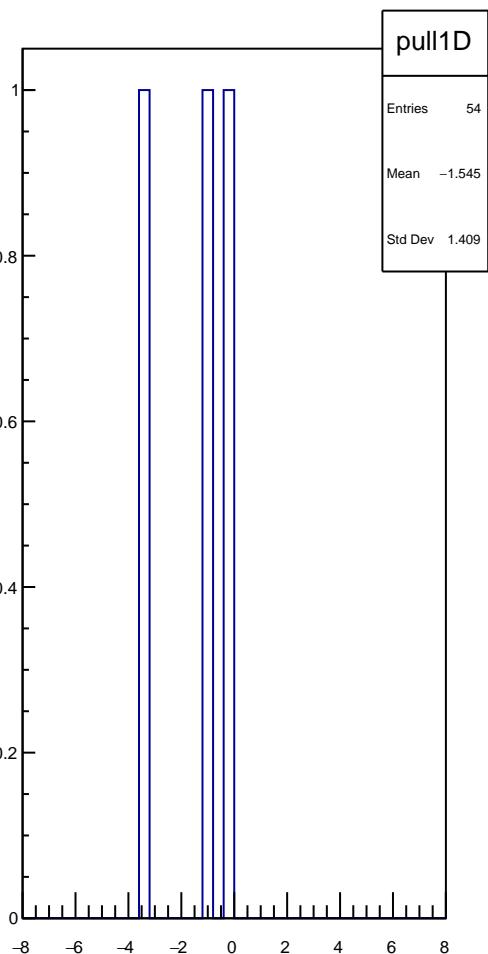
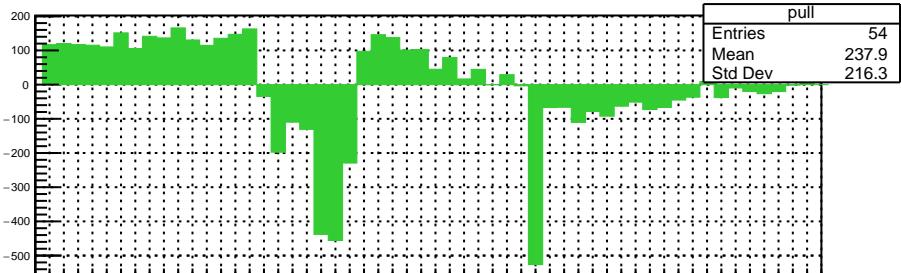
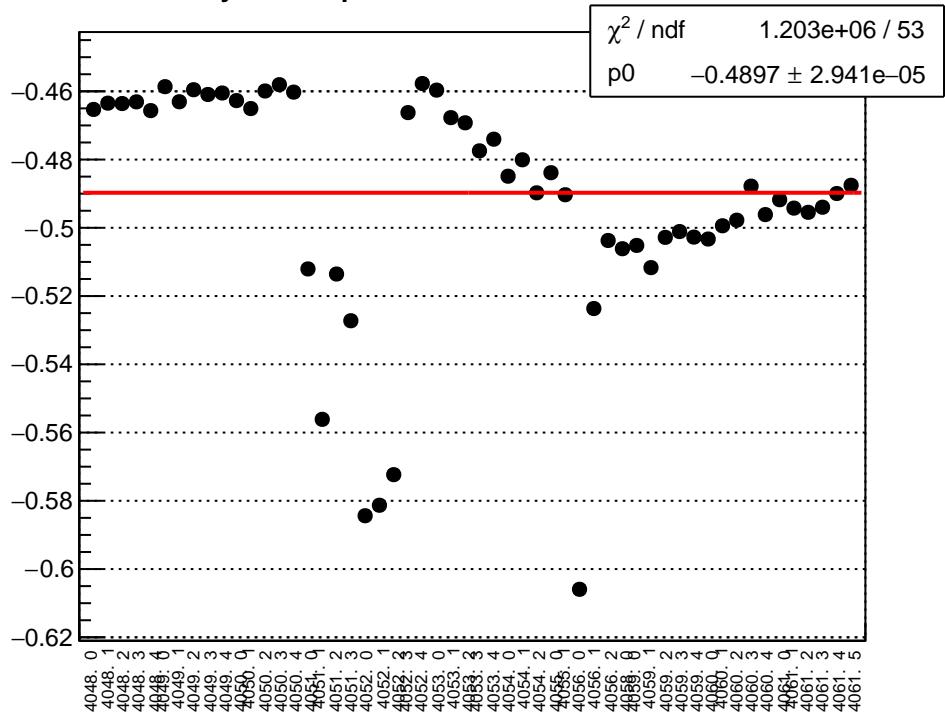
# yield\_bpm2i01Y\_mean vs run



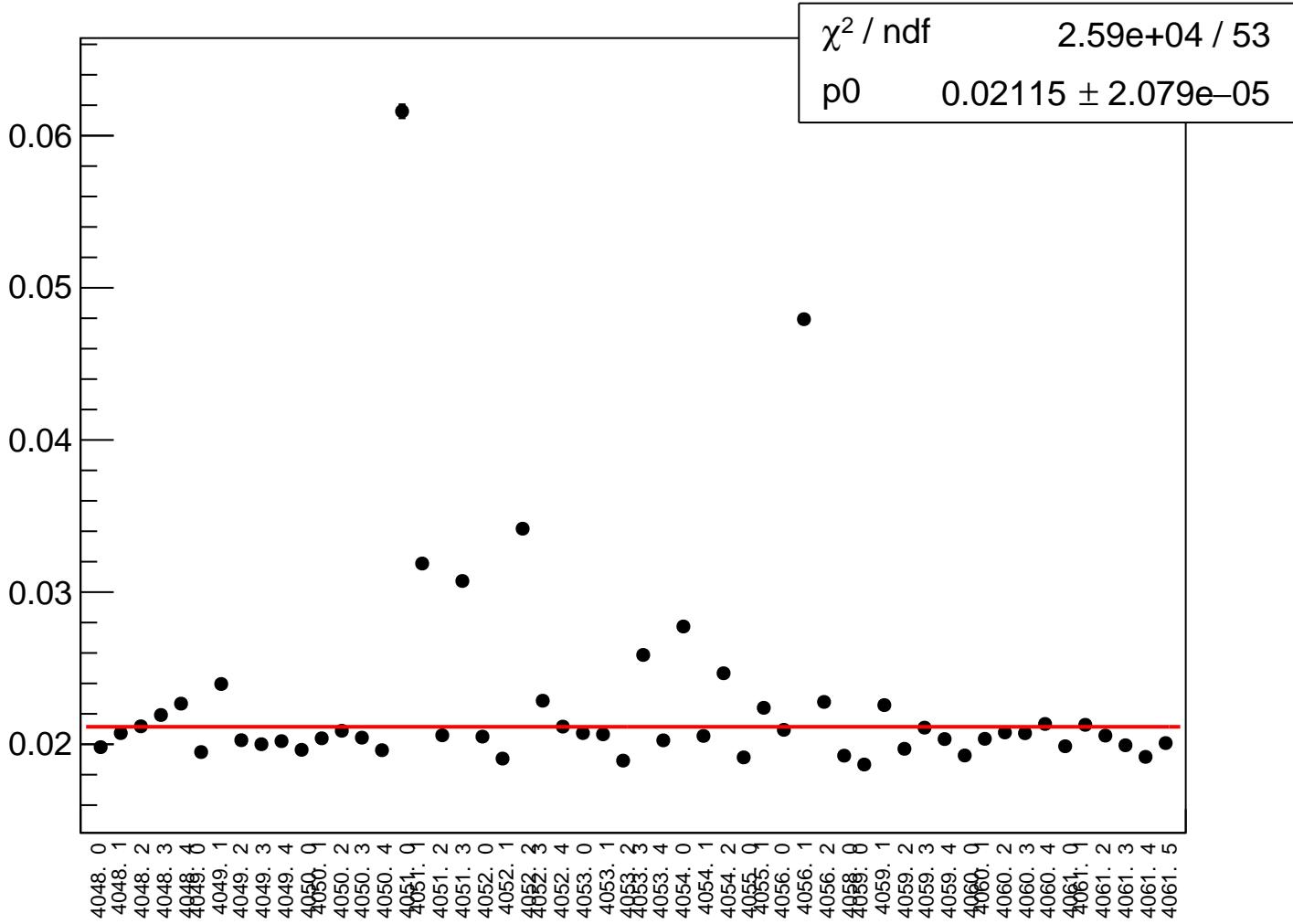
# yield\_bpm2i01Y\_rms vs run



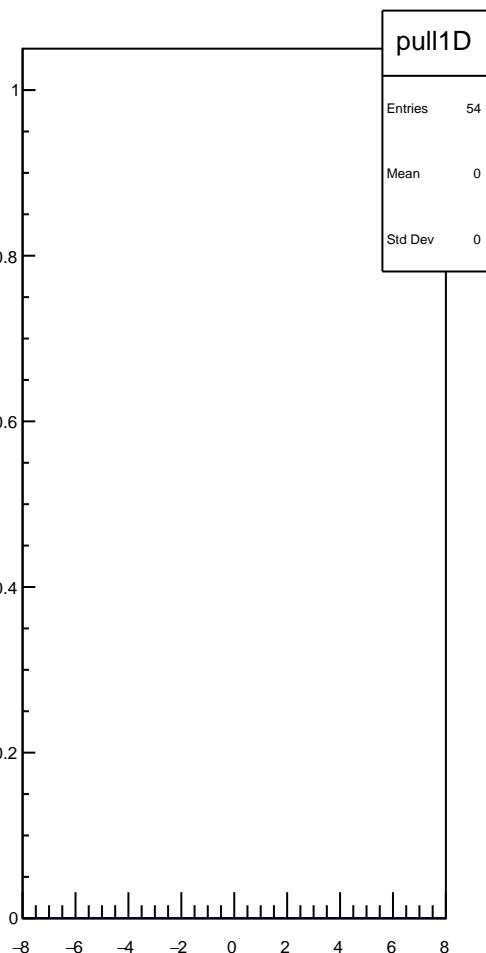
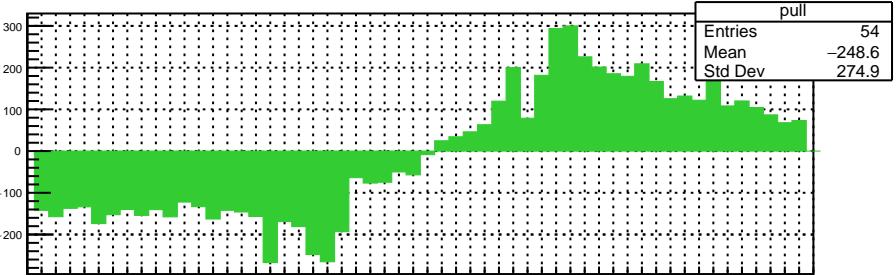
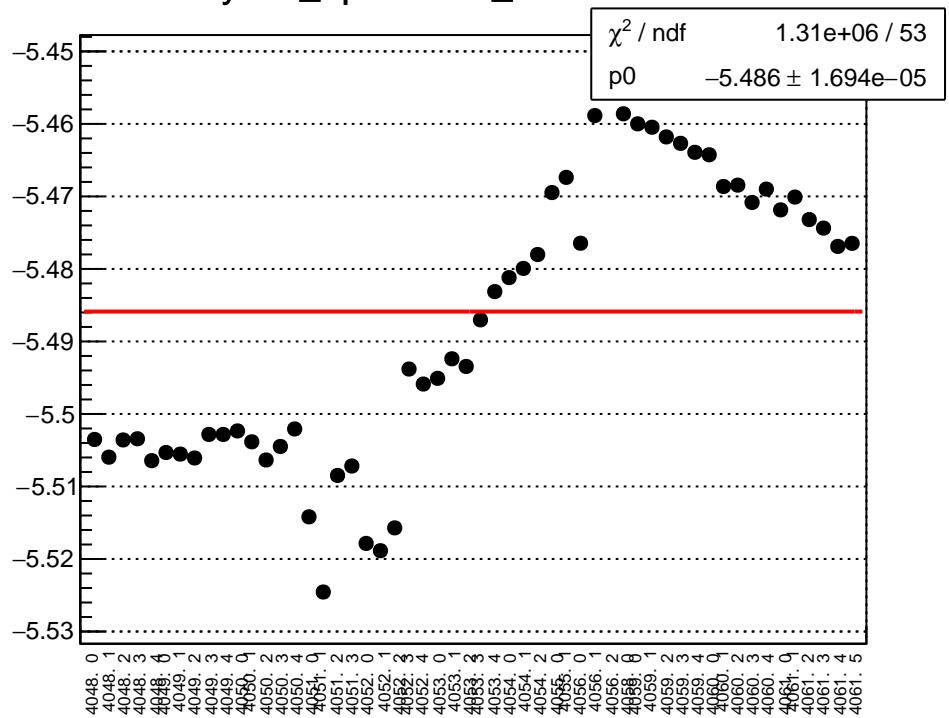
# yield\_bpm2i02X\_mean vs run



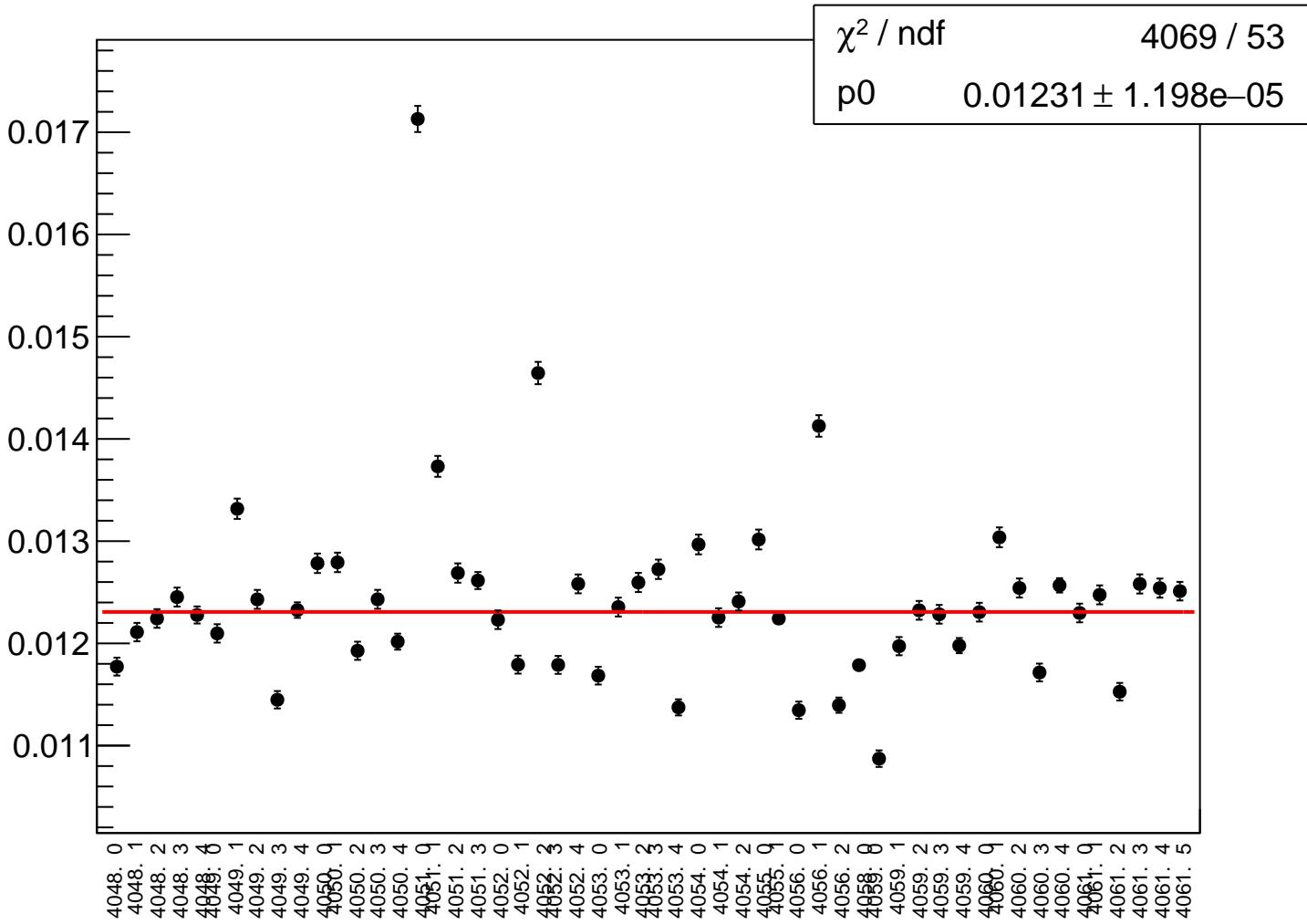
# yield\_bpm2i02X\_rms vs run



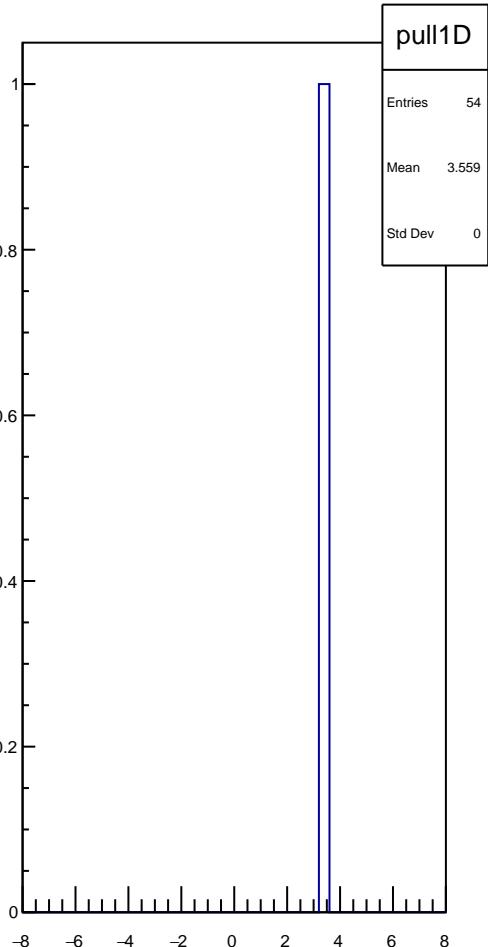
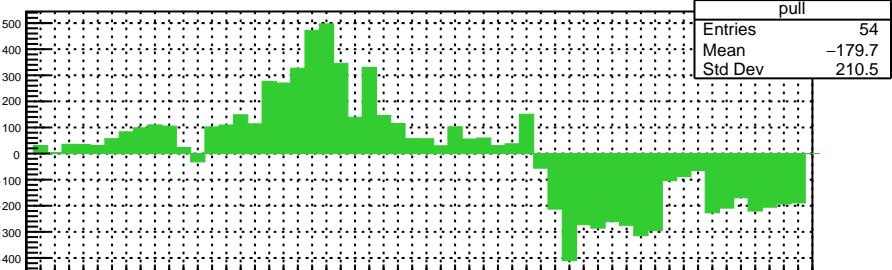
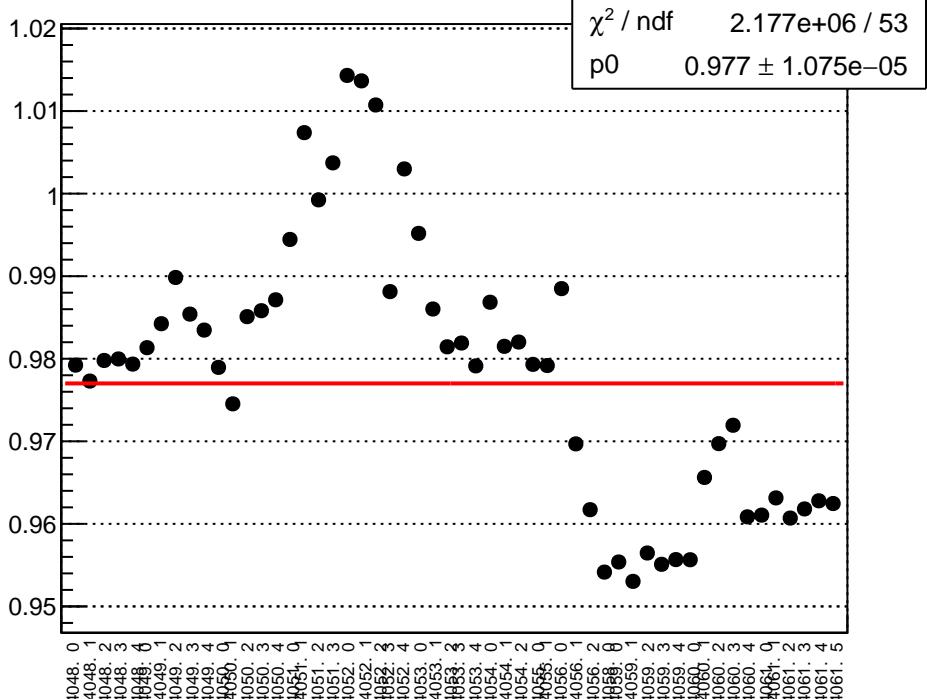
# yield\_bpm2i02Y\_mean vs run



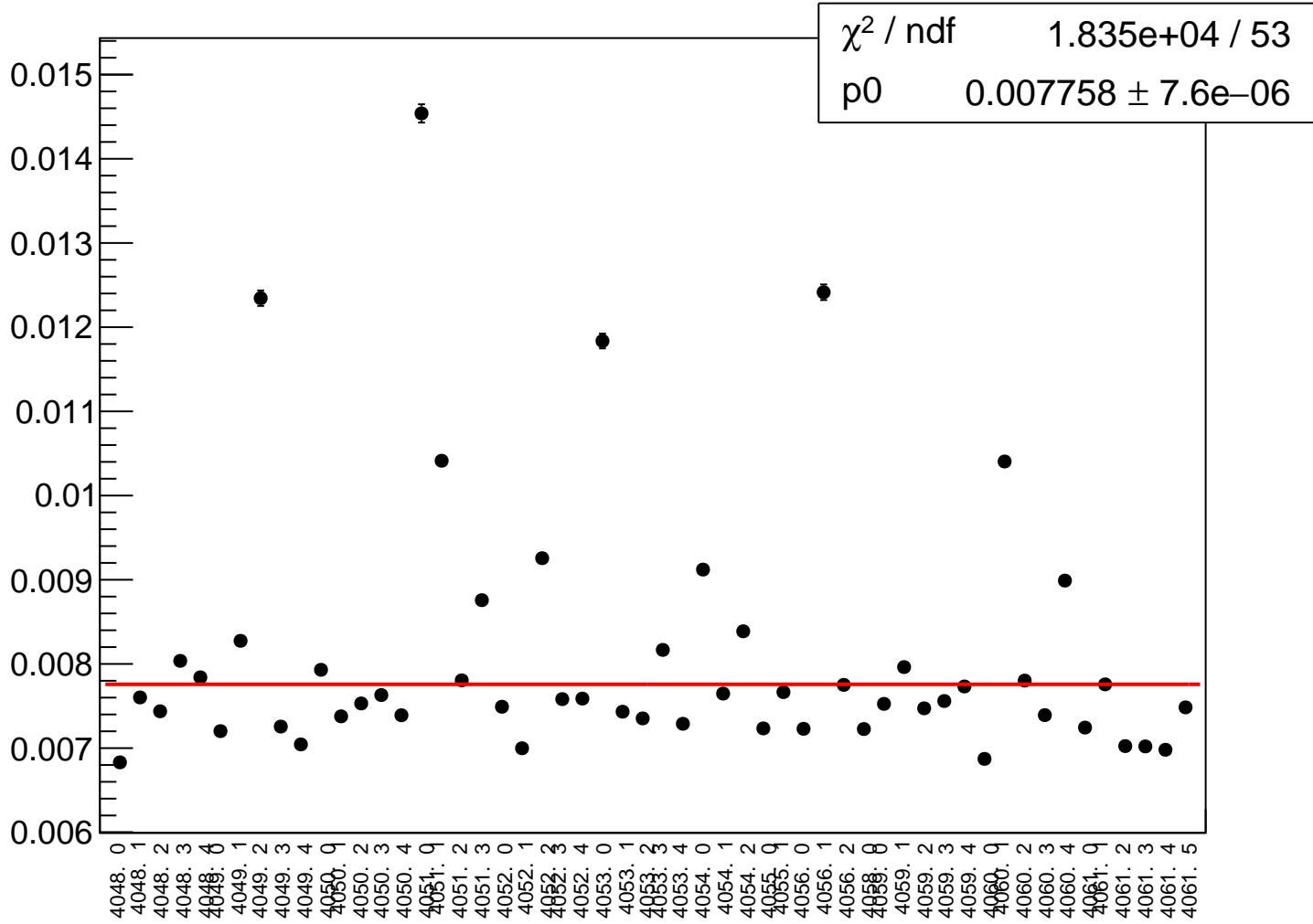
# yield\_bpm2i02Y\_rms vs run



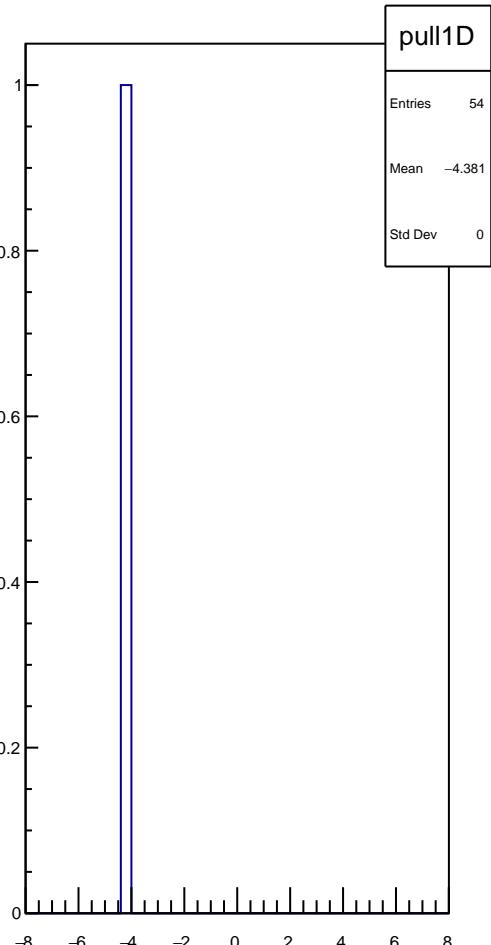
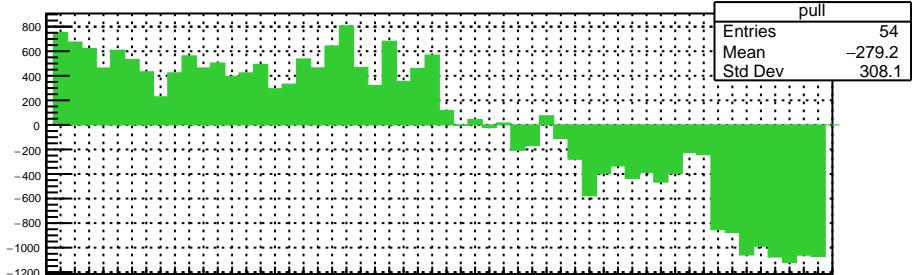
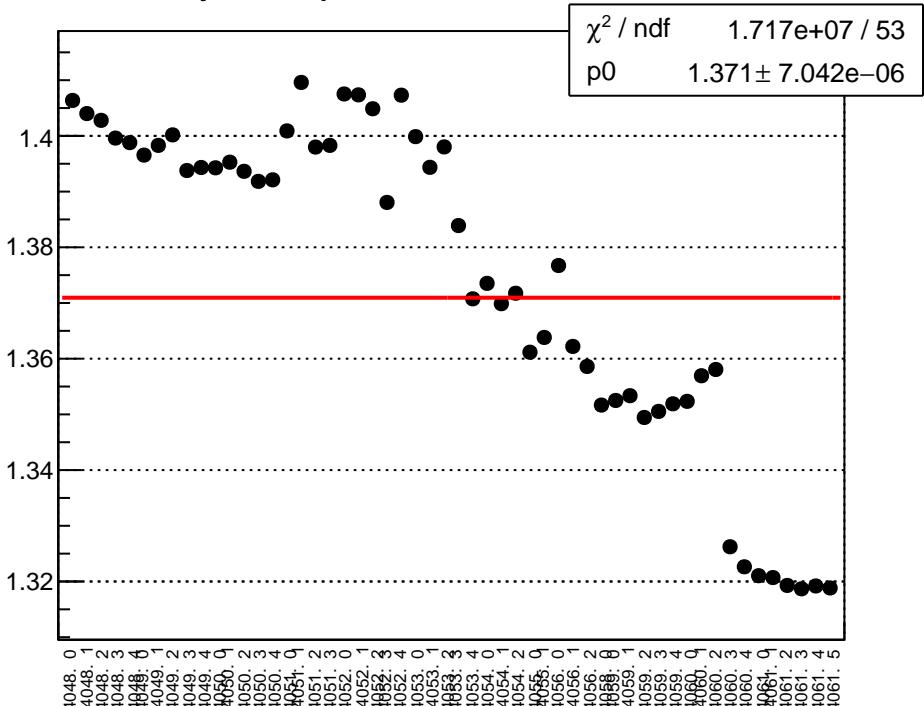
# yield\_bpm1i04X\_mean vs run



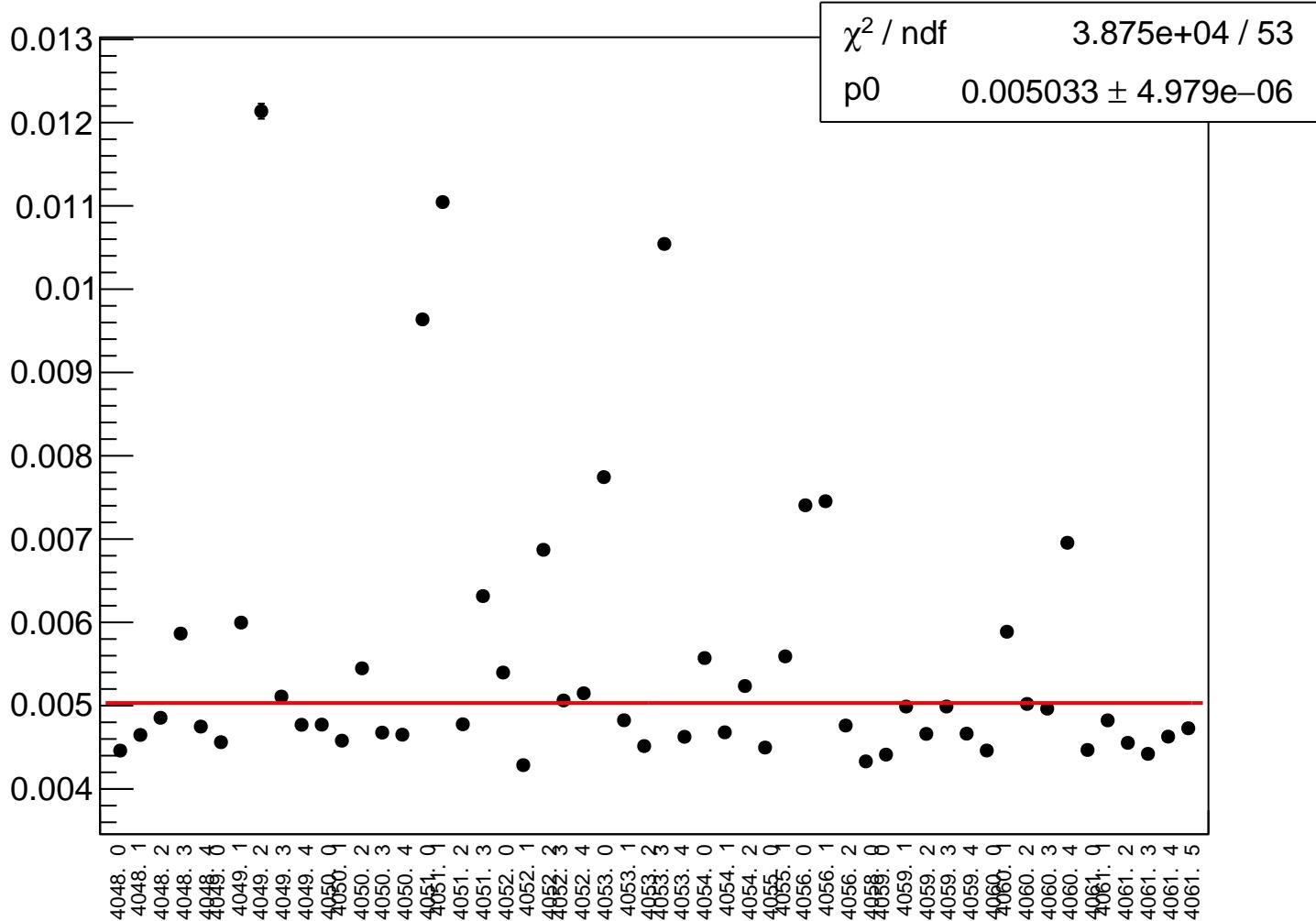
# yield\_bpm1i04X\_rms vs run



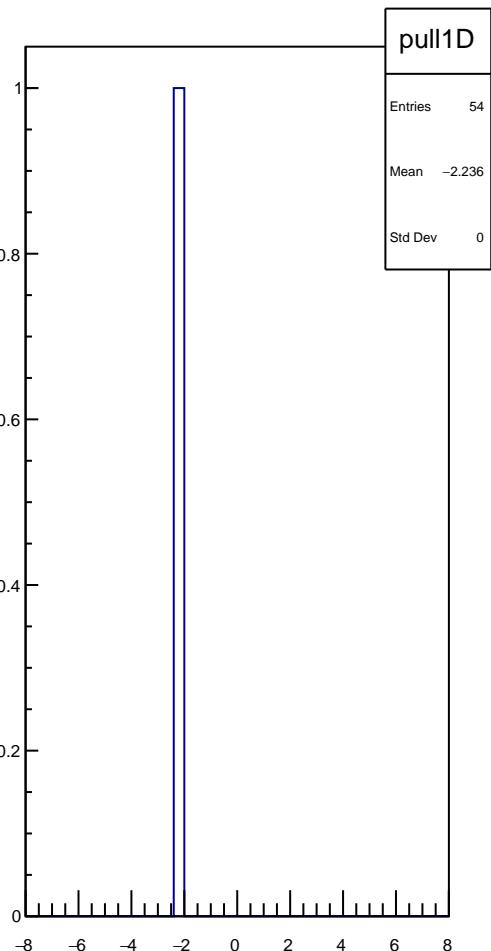
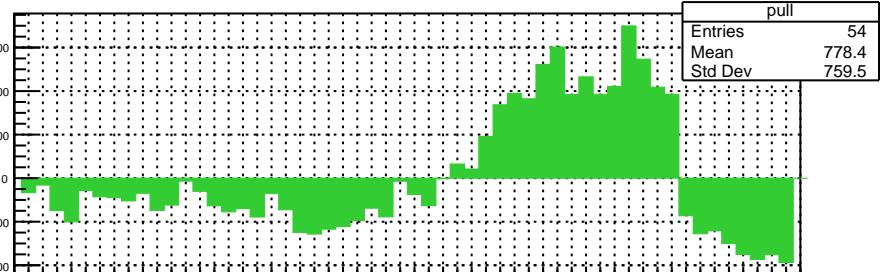
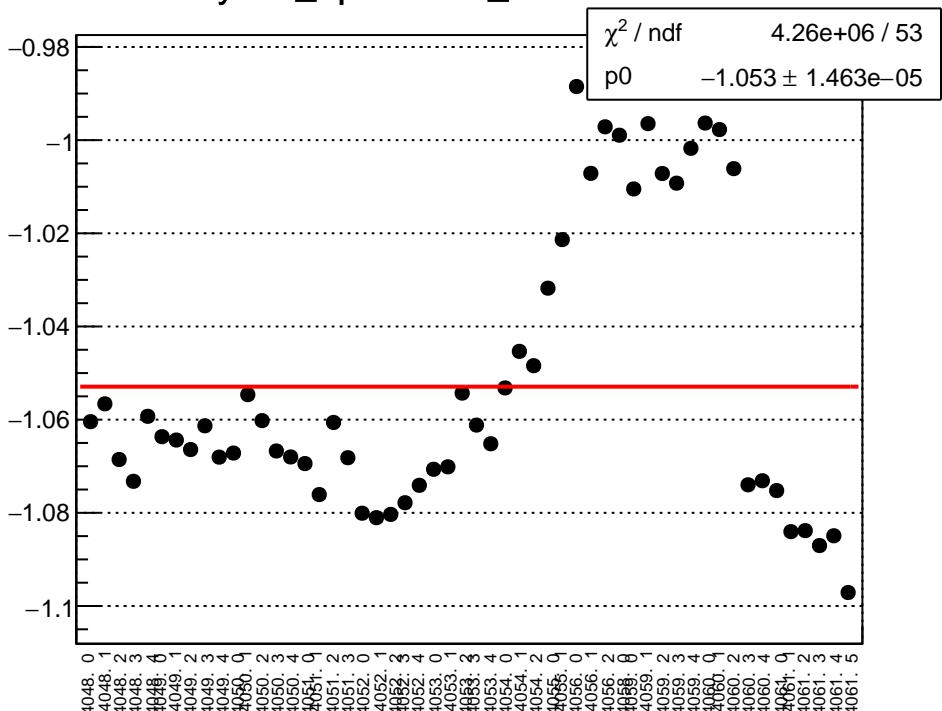
# yield\_bpm1i04Y\_mean vs run



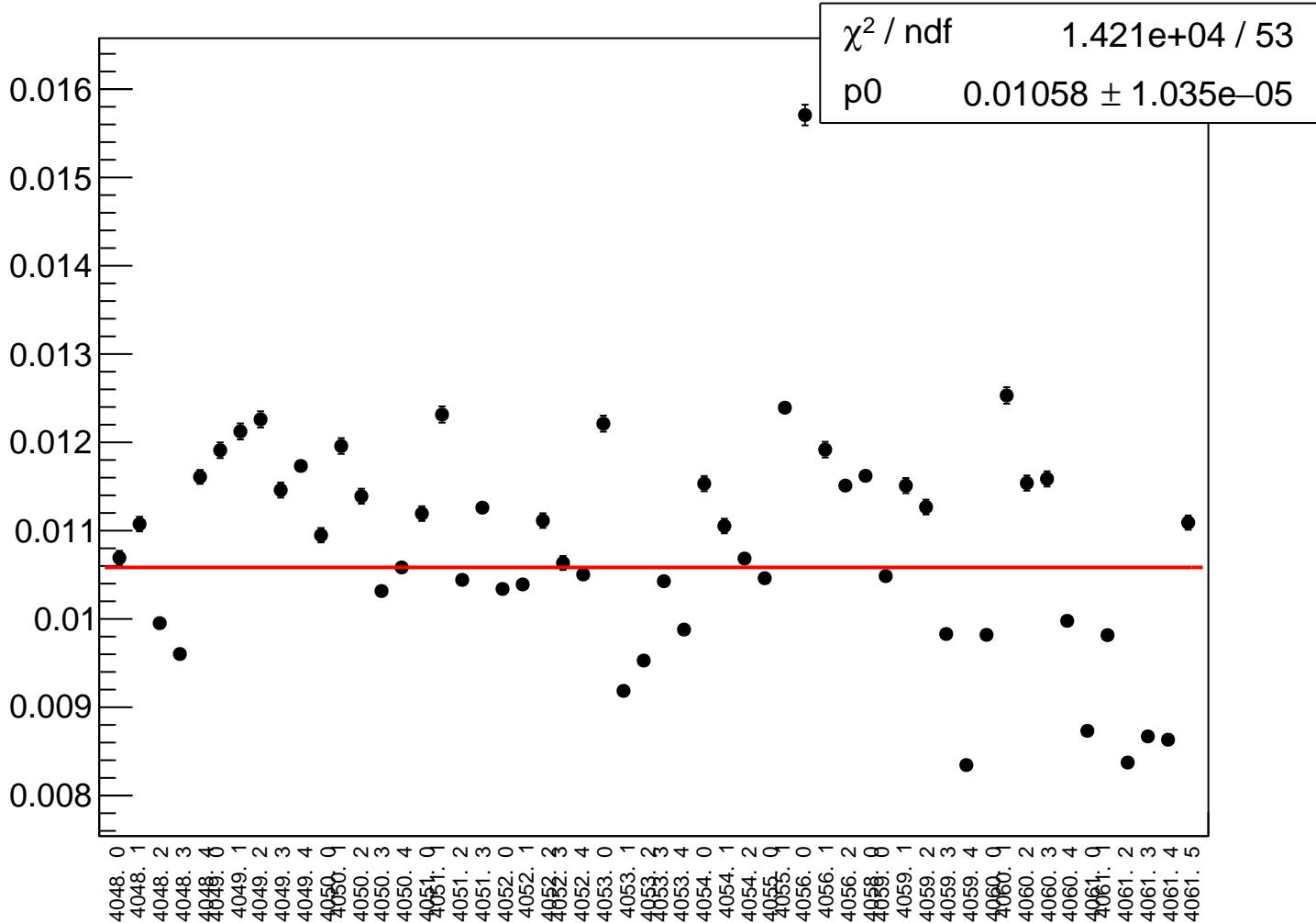
# yield\_bpm1i04Y\_rms vs run



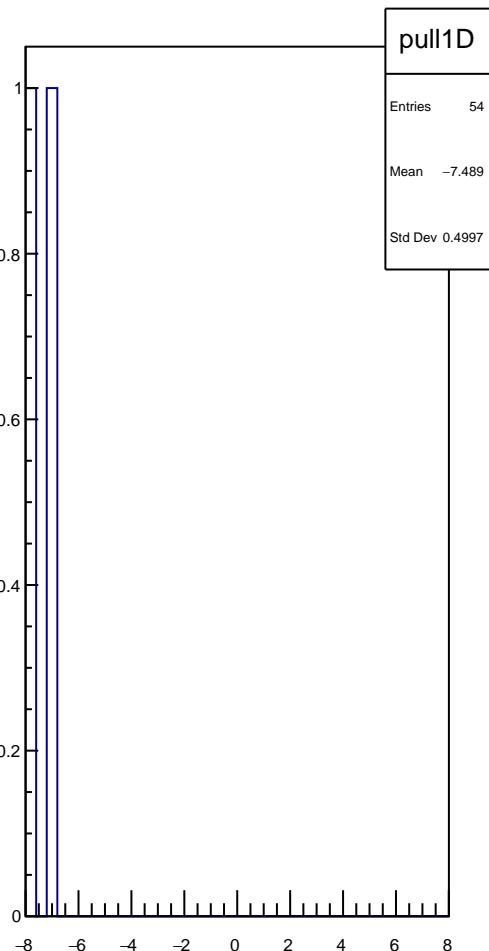
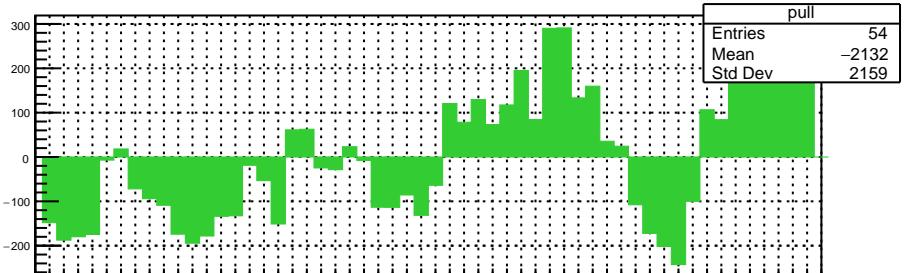
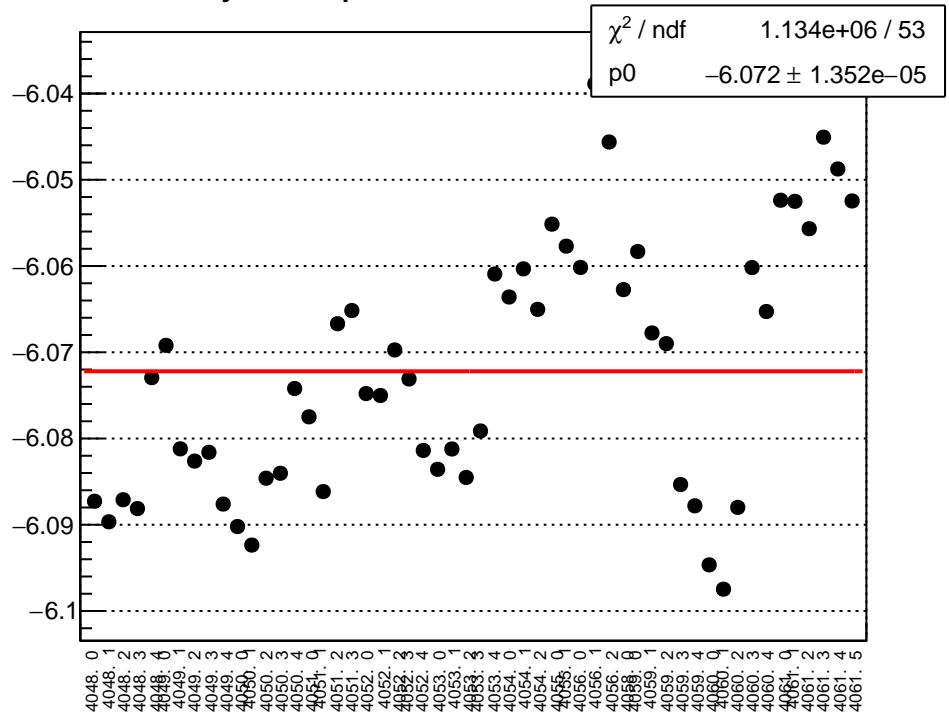
# yield\_bpm0l01X\_mean vs run



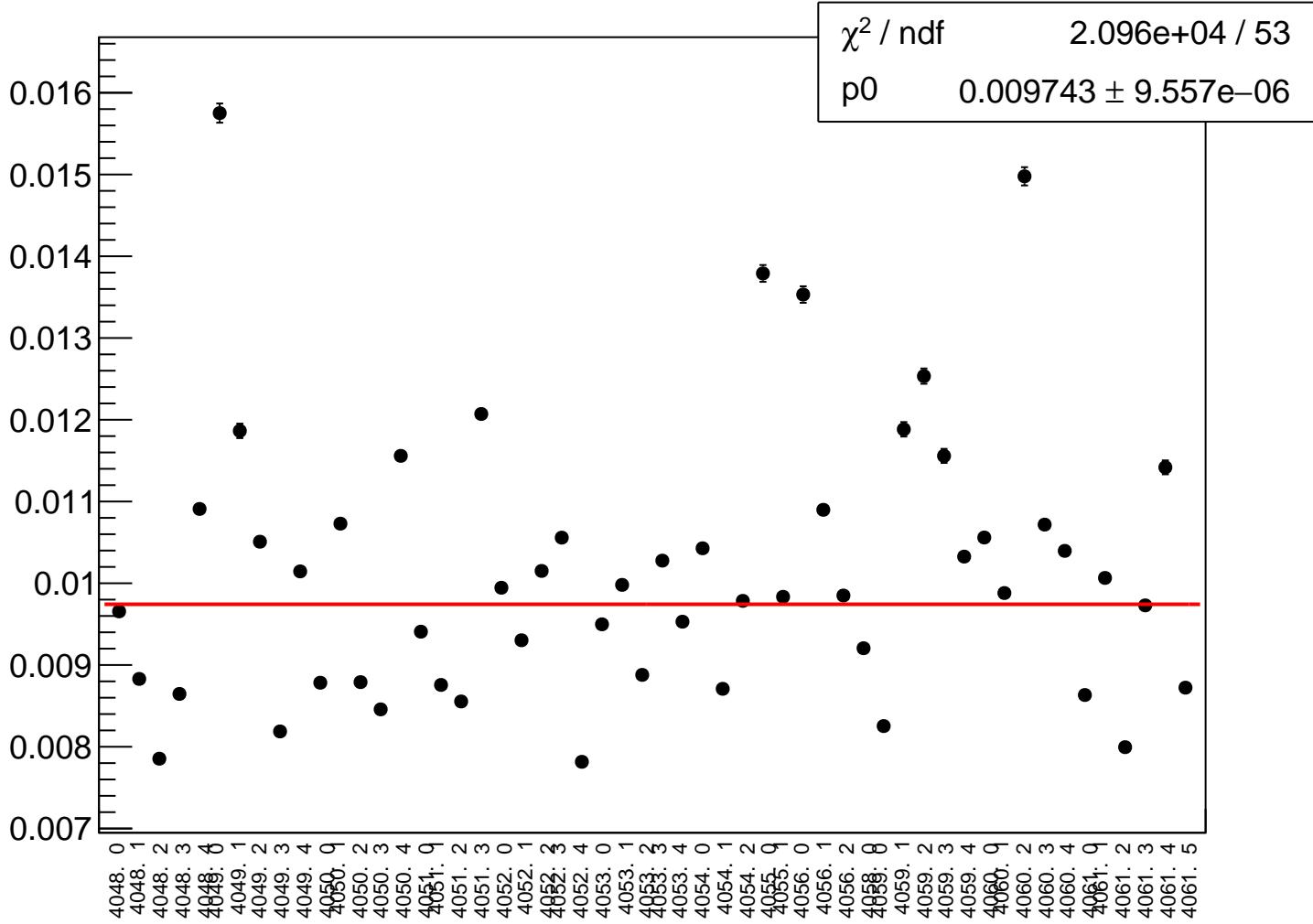
# yield\_bpm0l01X\_rms vs run



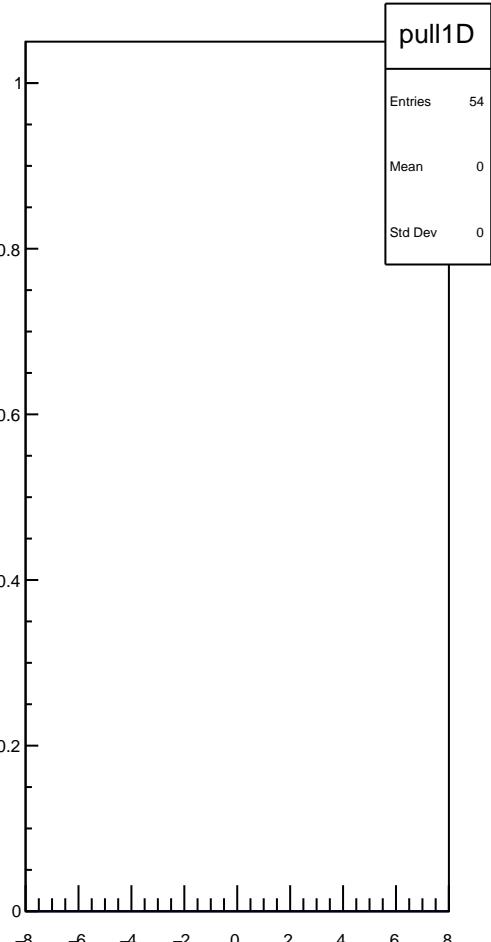
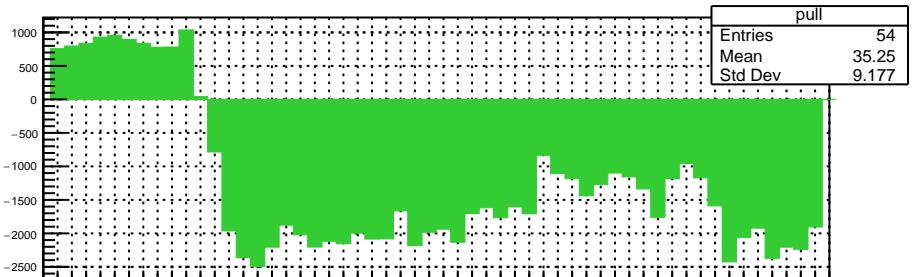
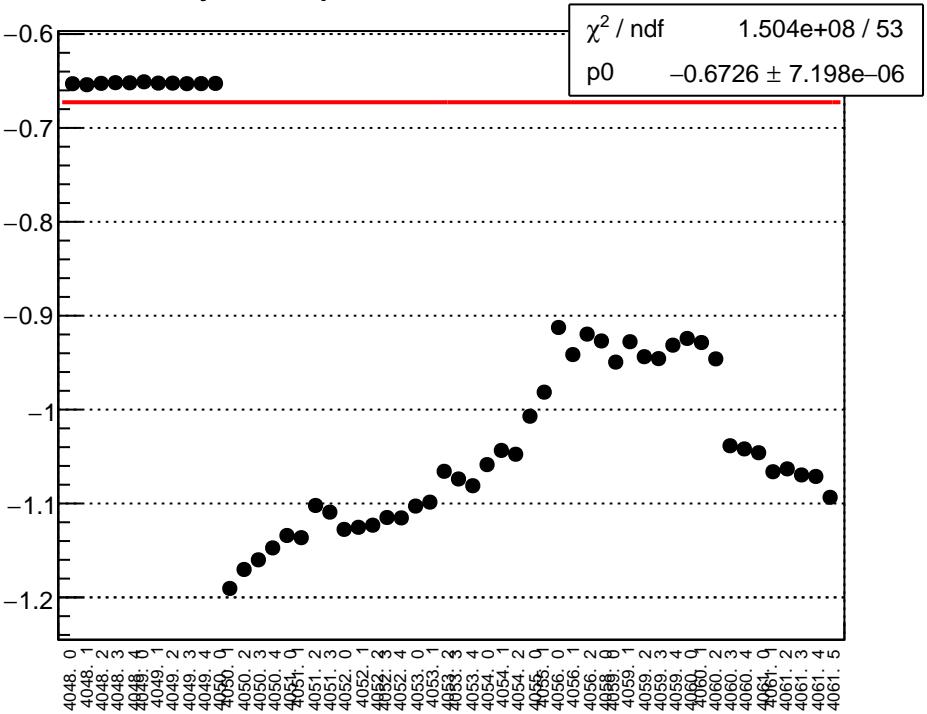
# yield\_bpm0I01Y\_mean vs run



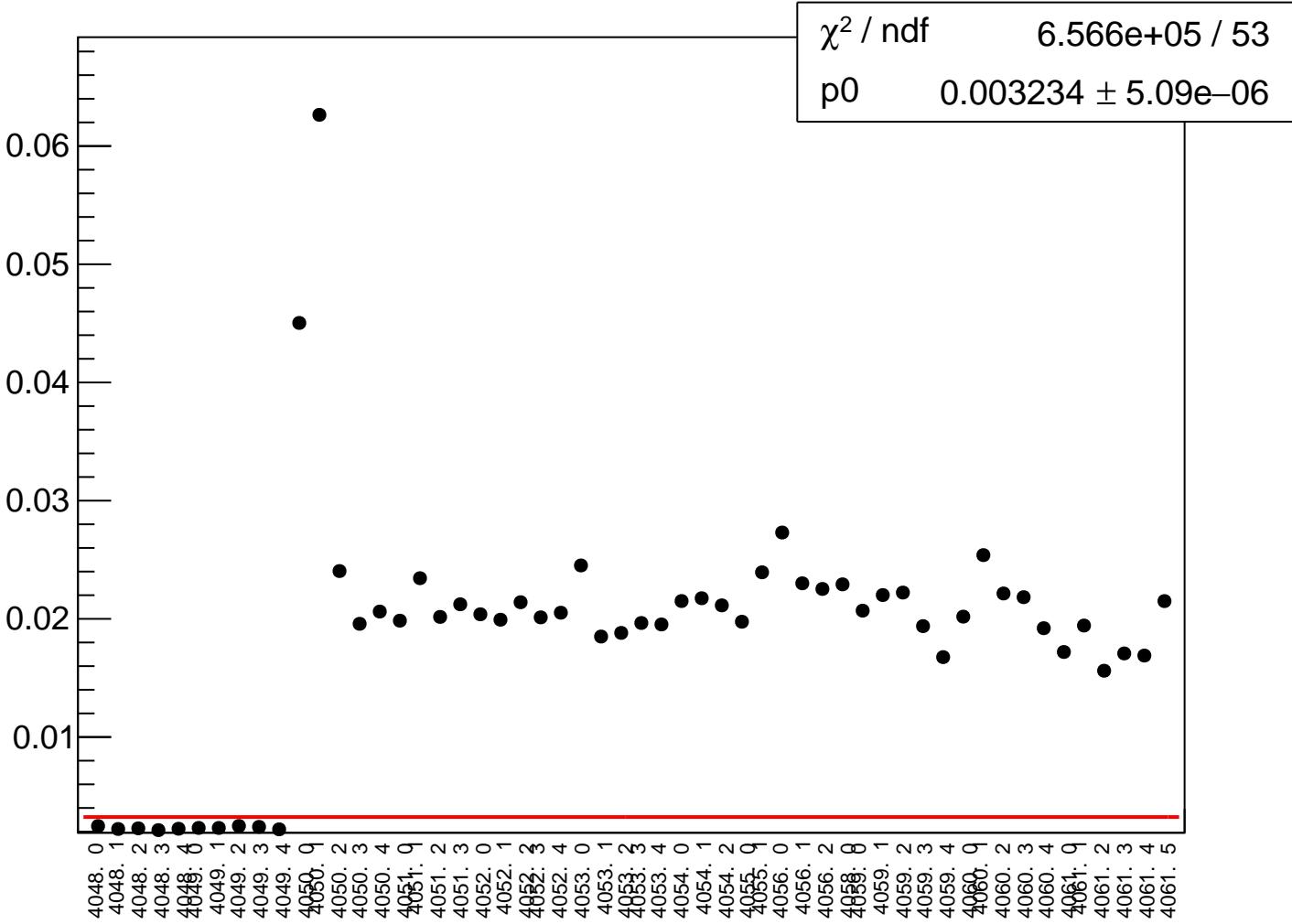
# yield\_bpm0l01Y\_rms vs run



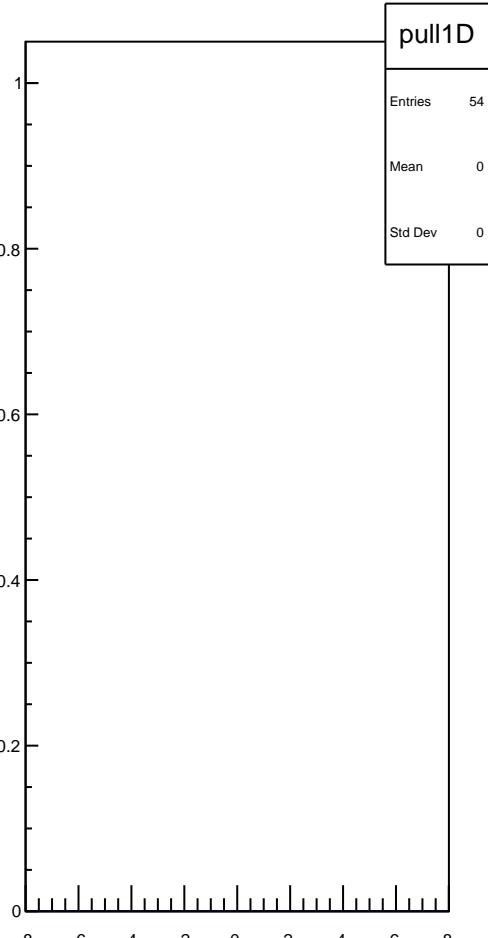
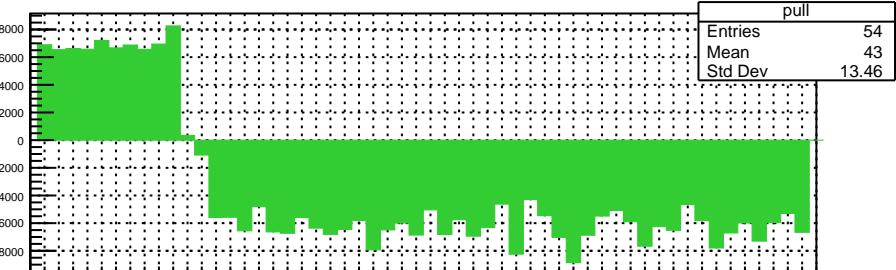
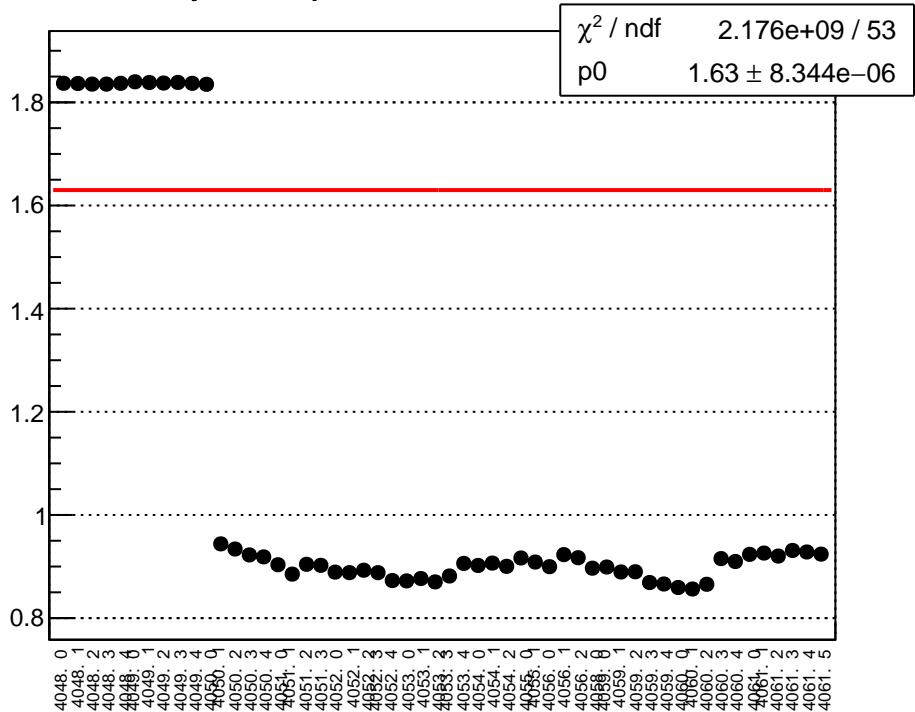
# yield\_bpm0l02X\_mean vs run



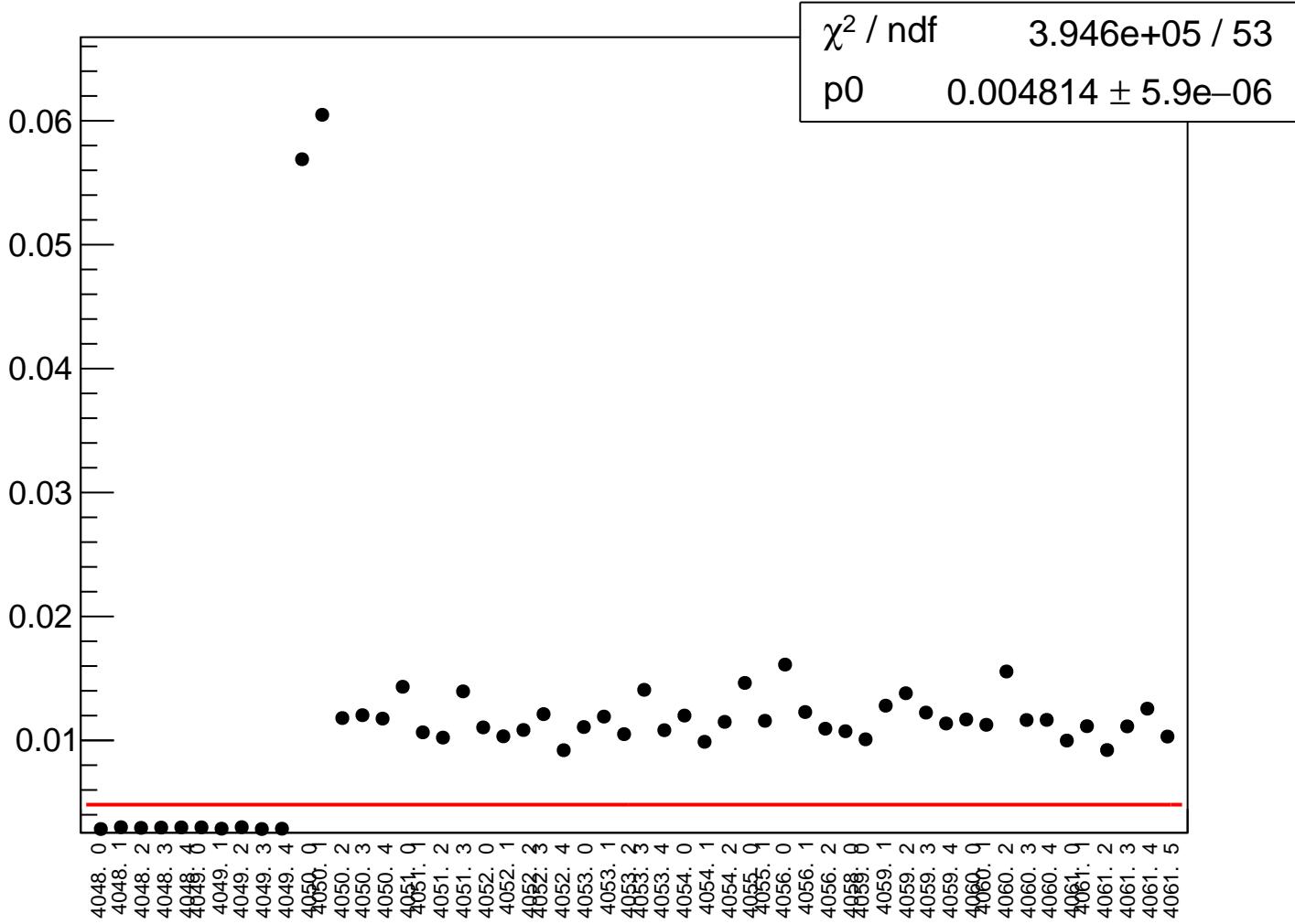
# yield\_bpm0l02X\_rms vs run



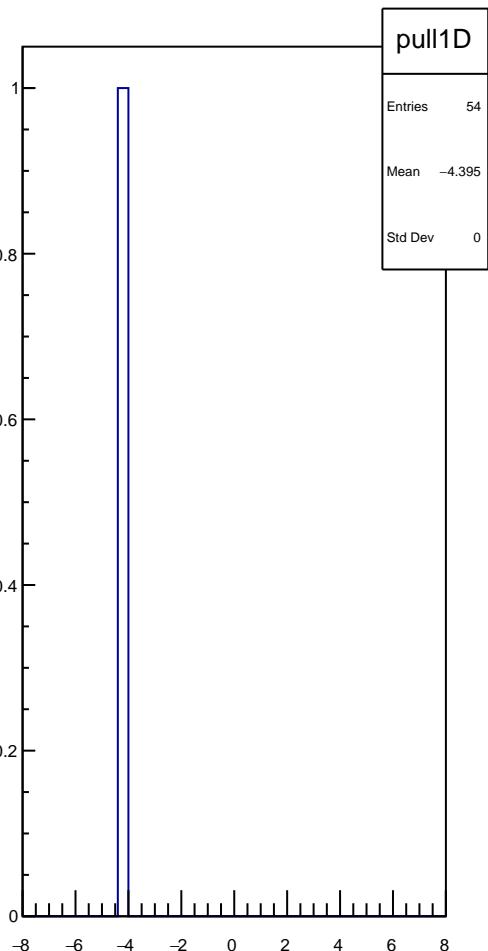
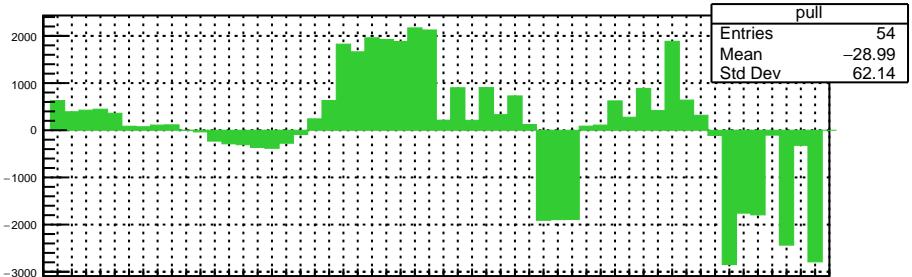
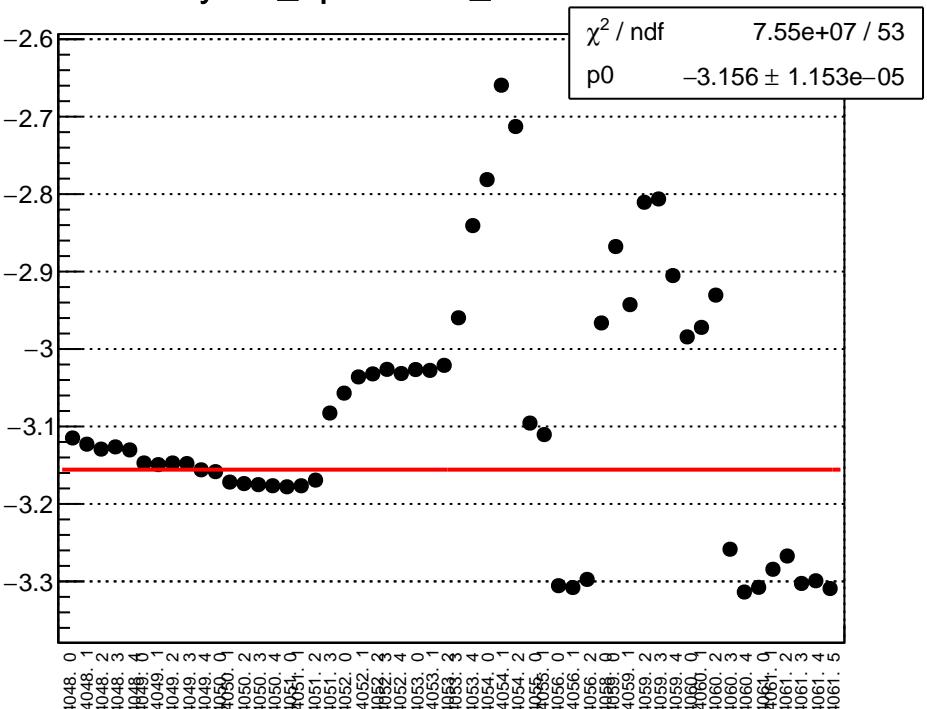
# yield\_bpm0I02Y\_mean vs run



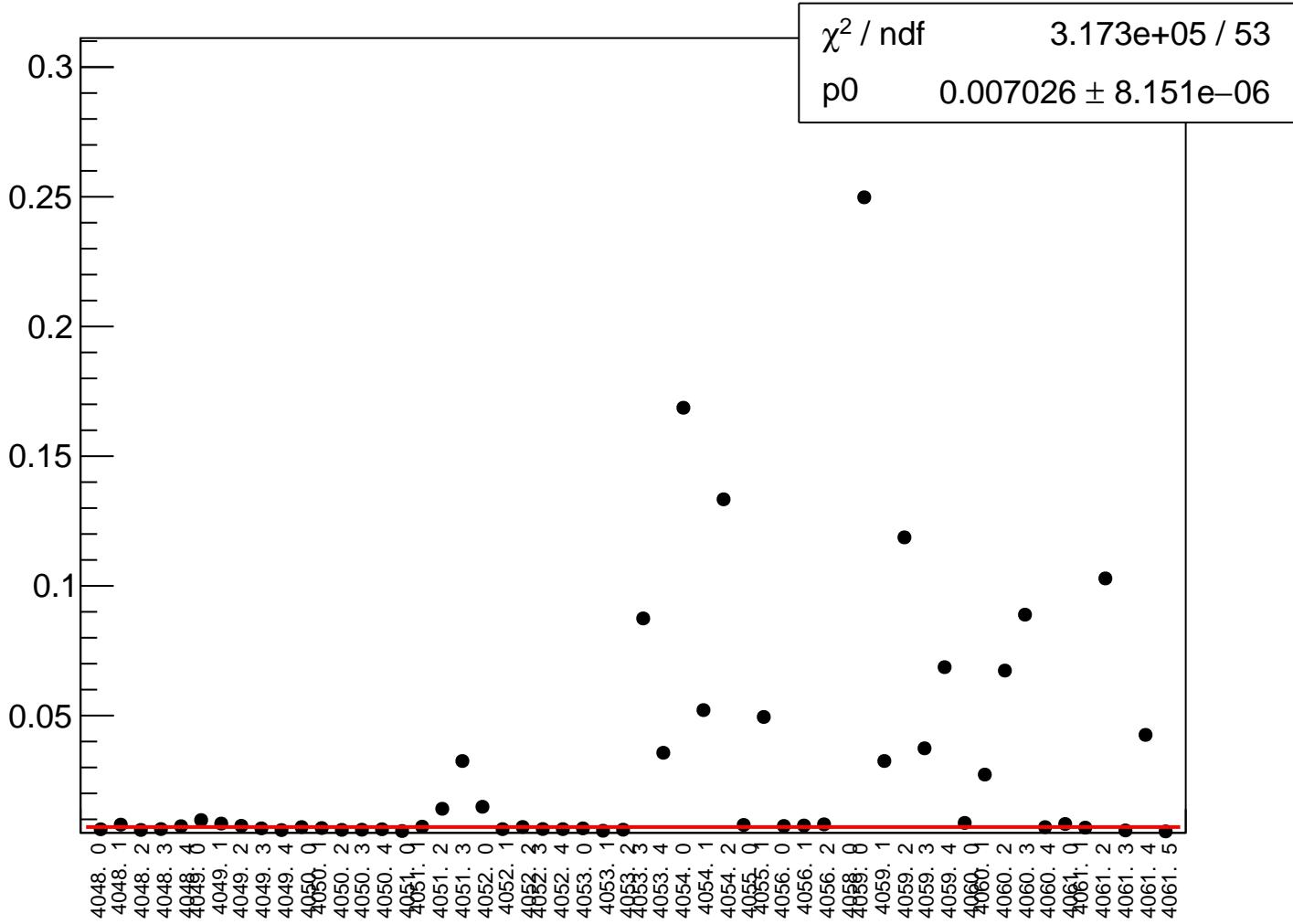
# yield\_bpm0l02Y\_rms vs run



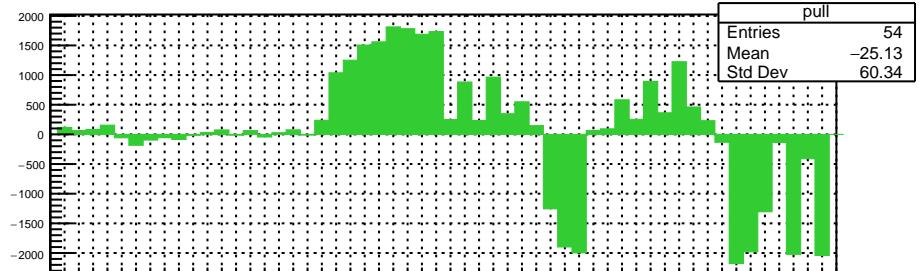
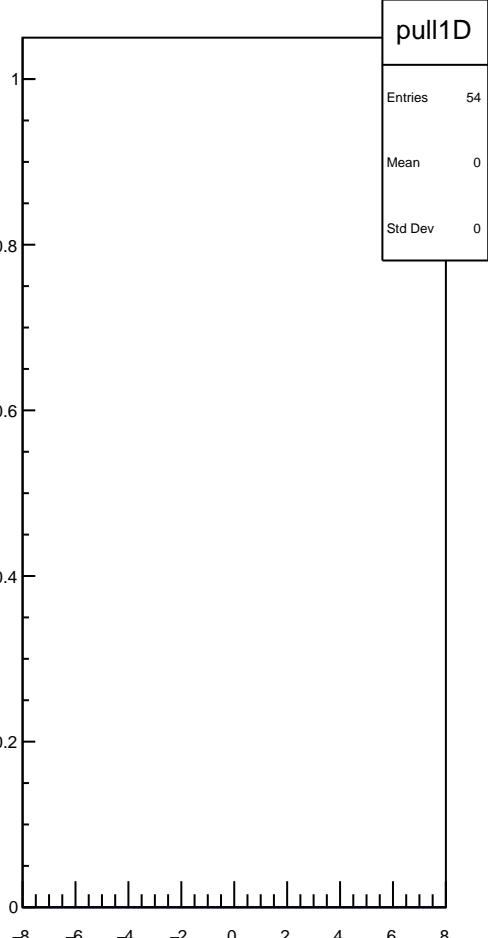
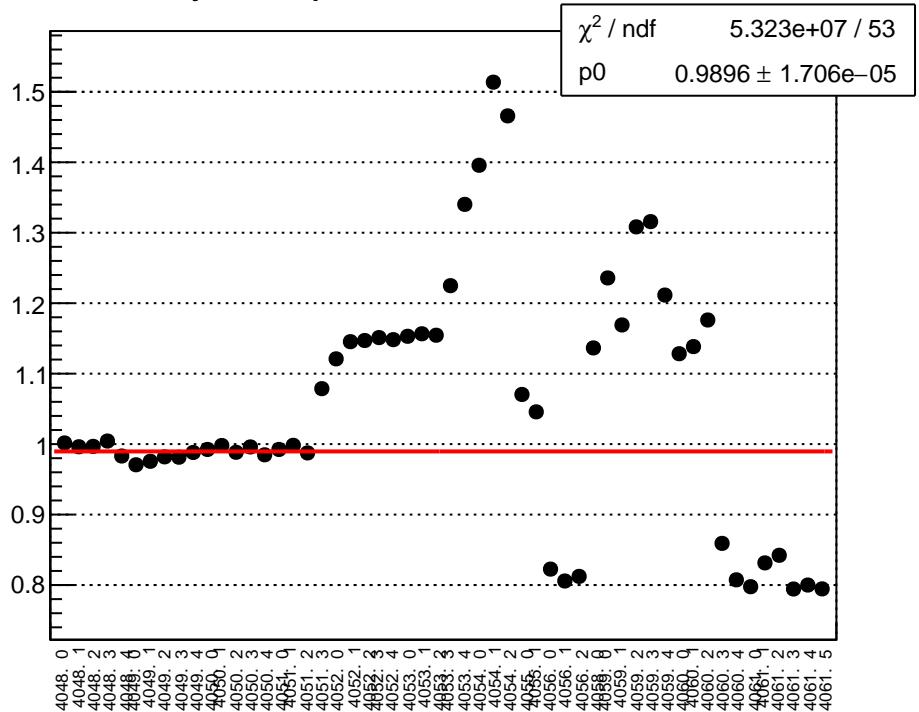
# yield\_bpm0l03X\_mean vs run



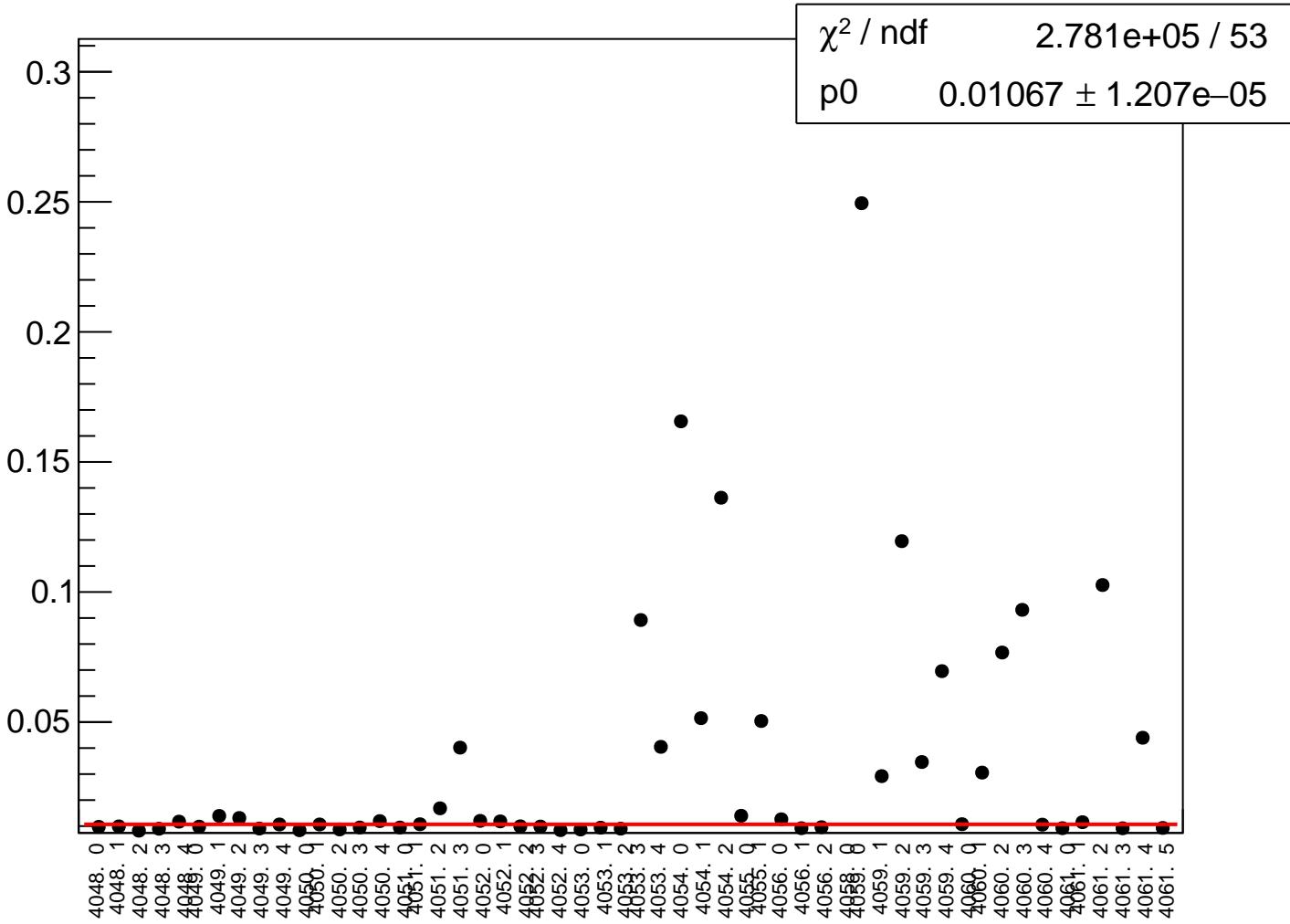
# yield\_bpm0l03X\_rms vs run



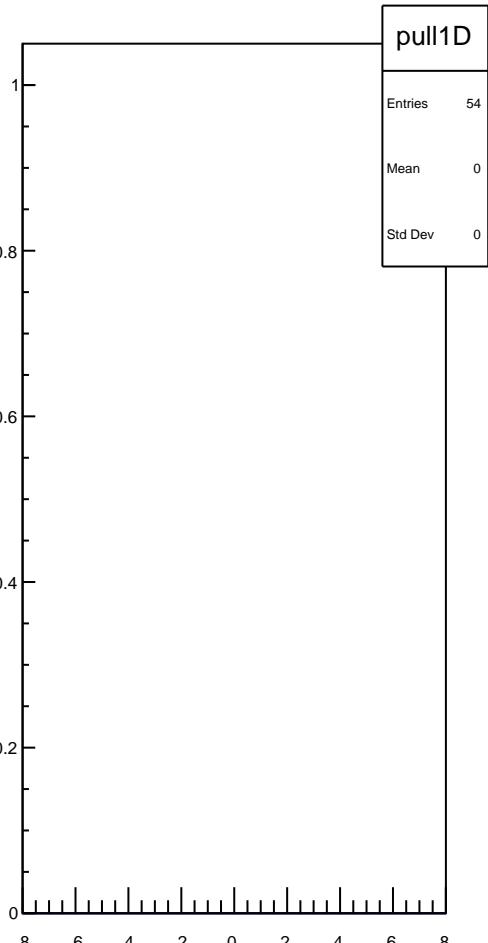
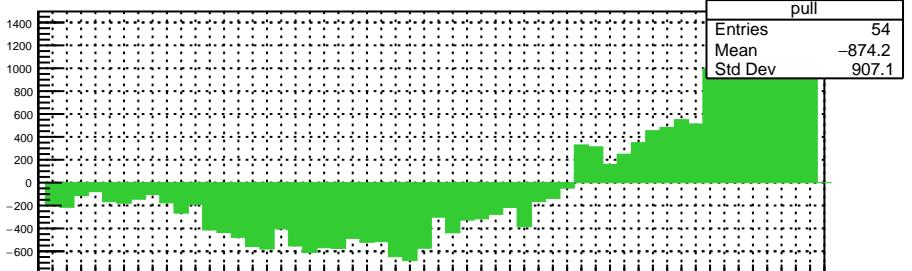
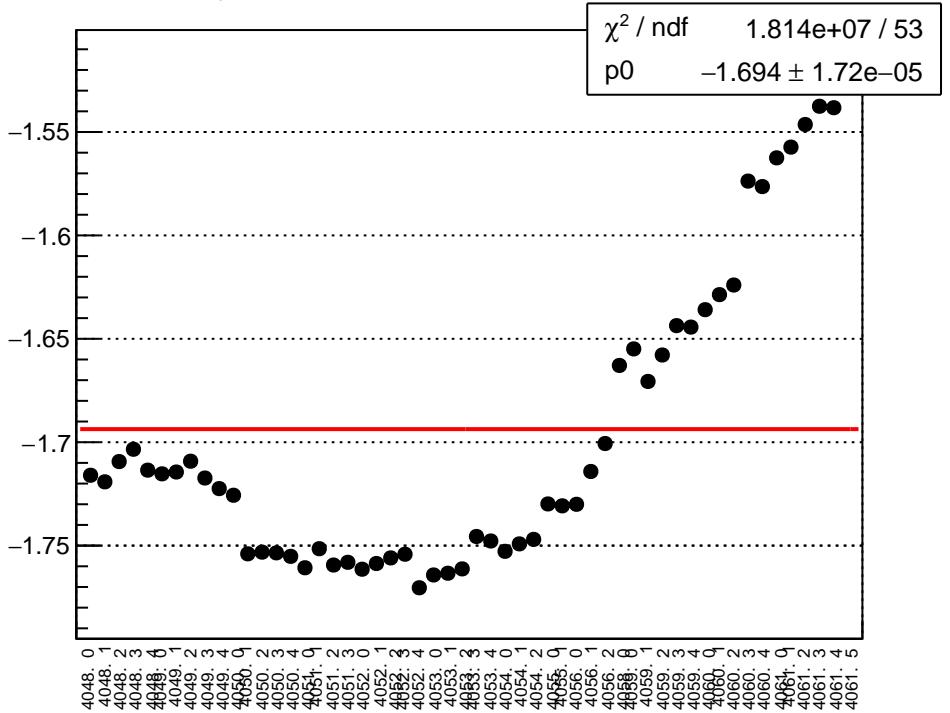
# yield\_bpm0I03Y\_mean vs run



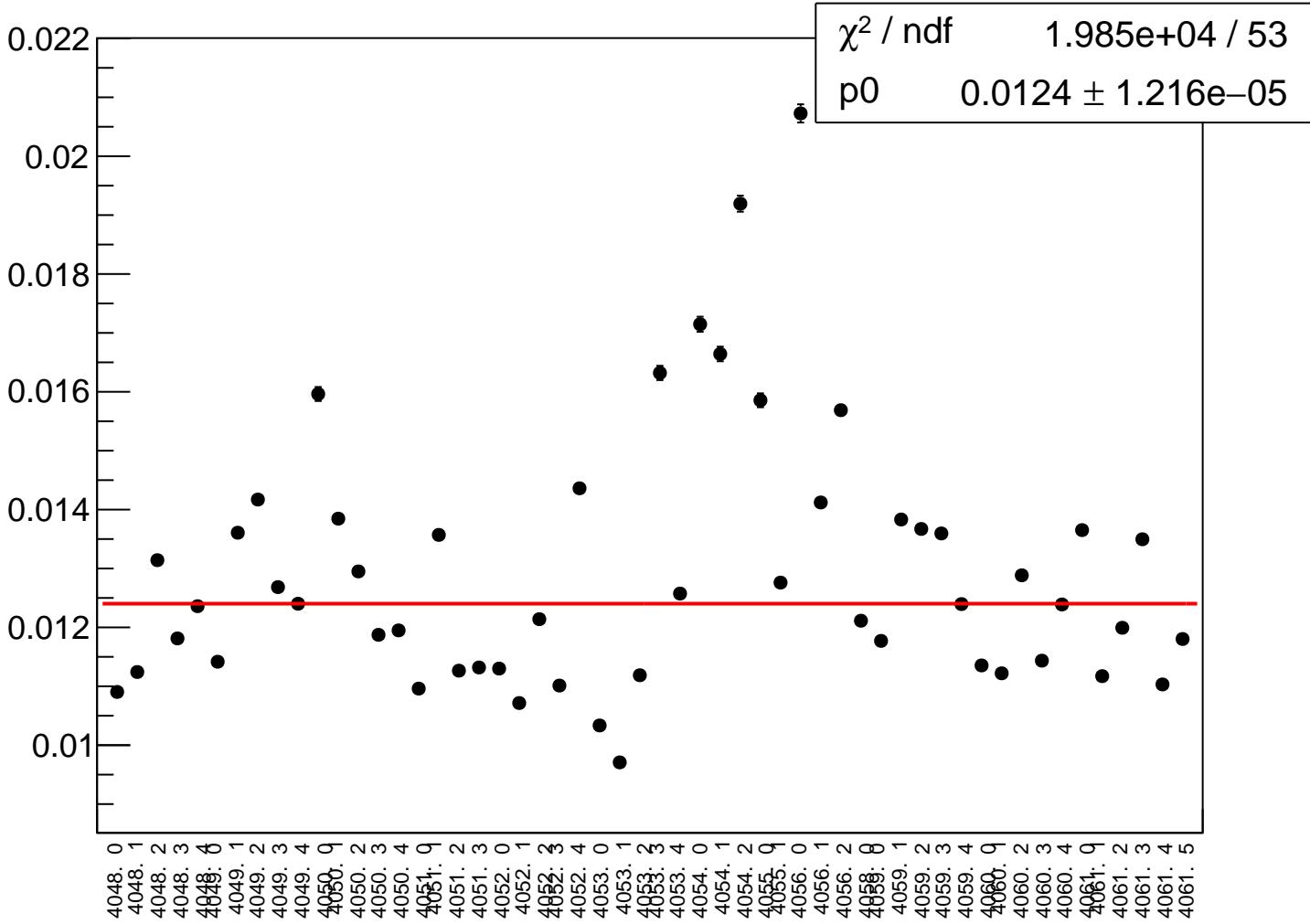
# yield\_bpm0l03Y\_rms vs run



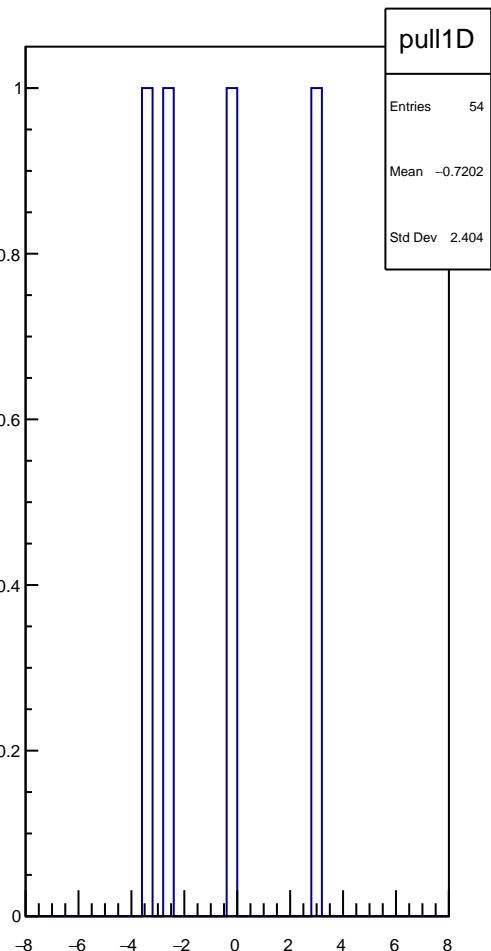
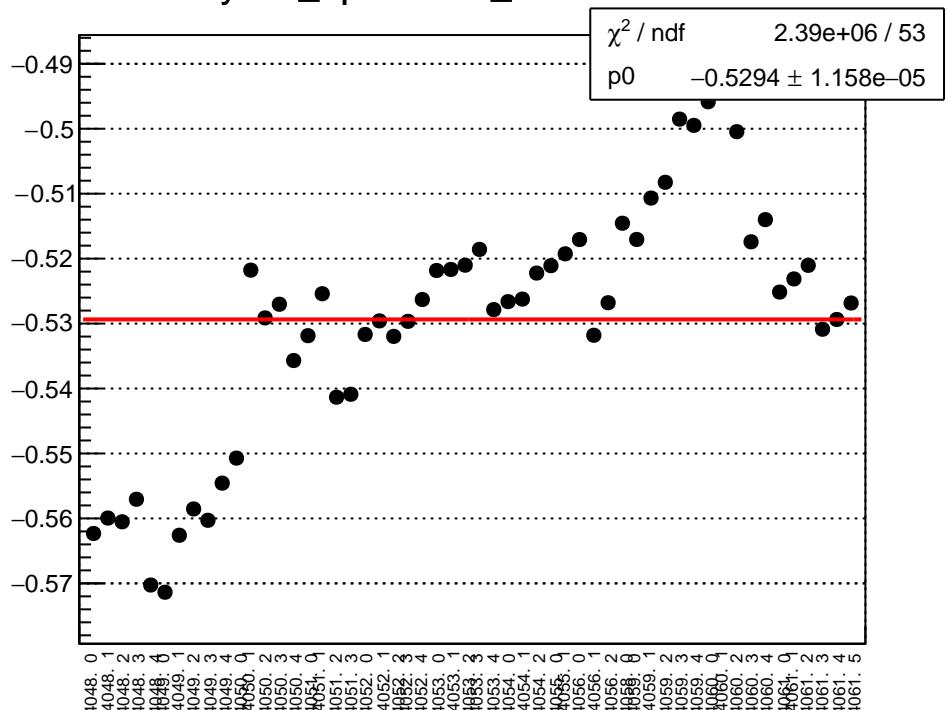
# yield\_bpm0l04X\_mean vs run



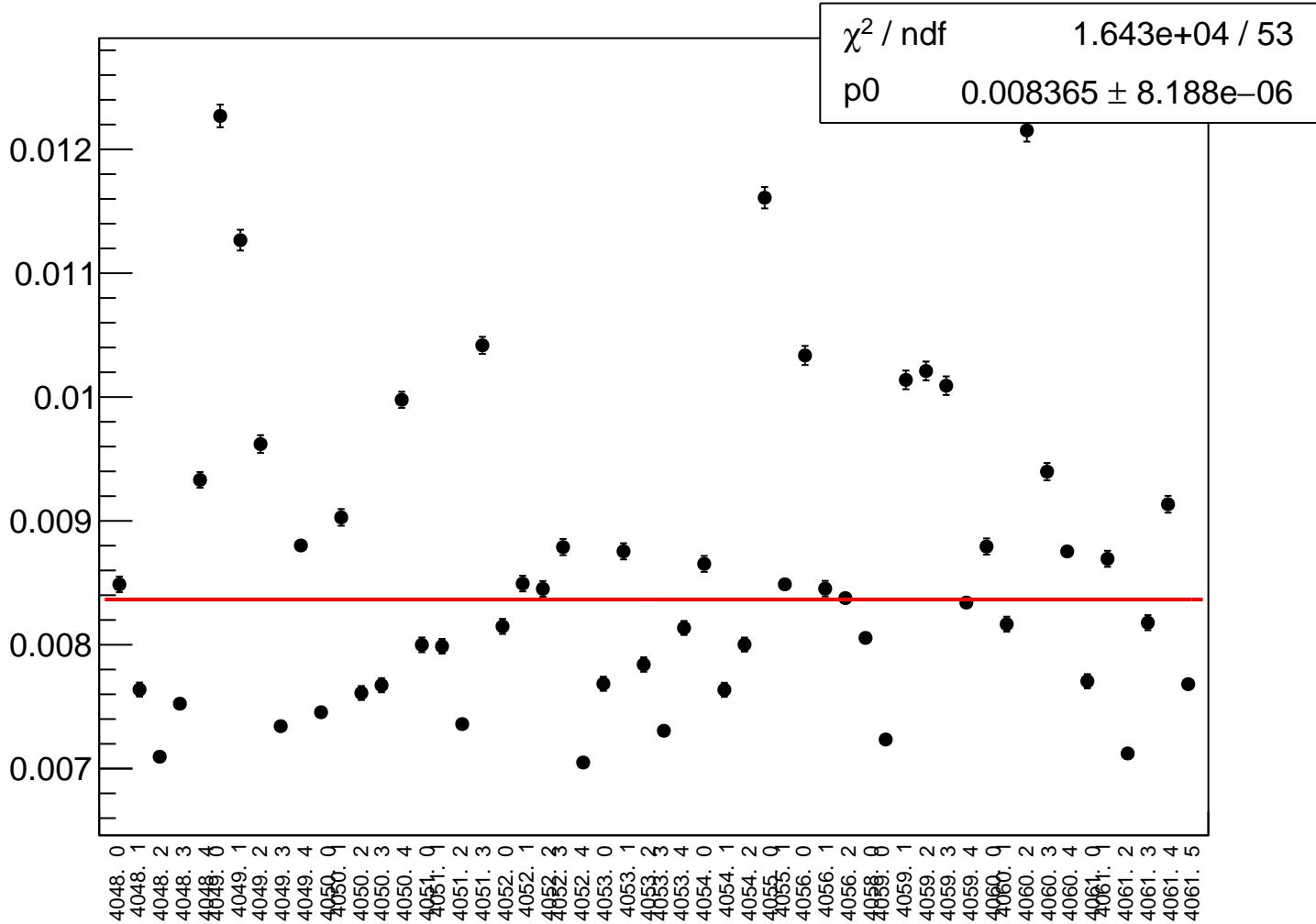
# yield\_bpm0l04X\_rms vs run



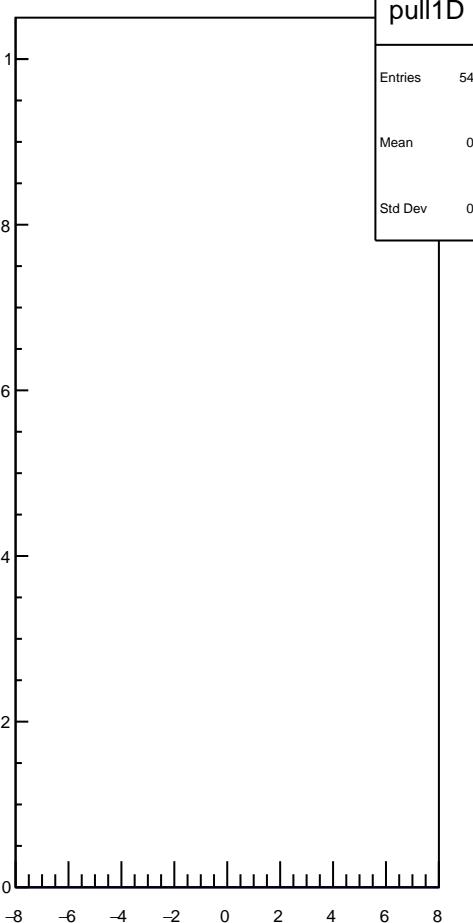
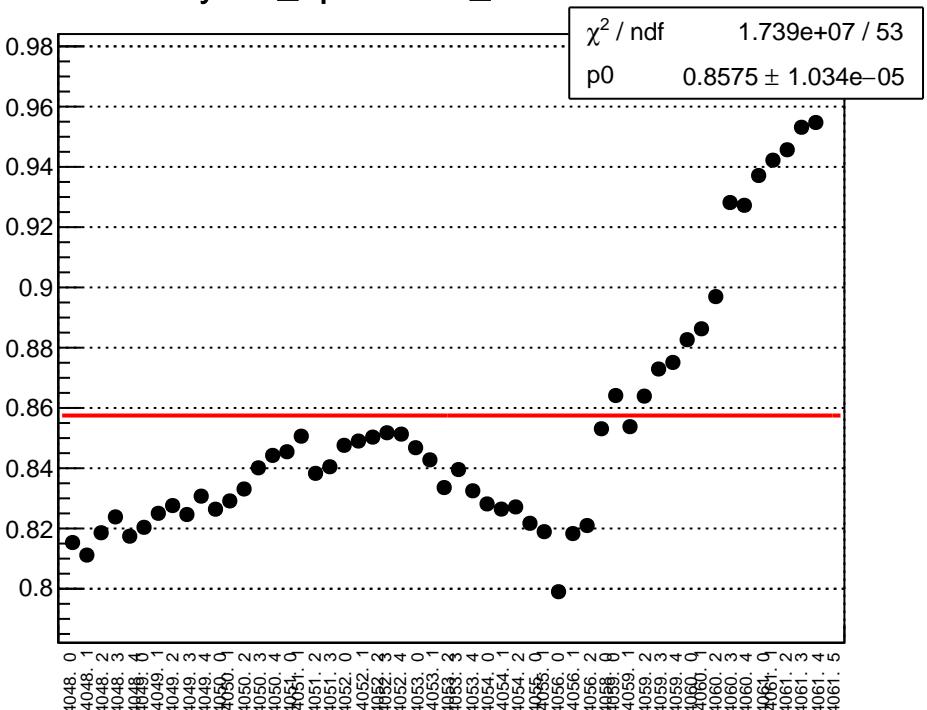
# yield\_bpm0I04Y\_mean vs run



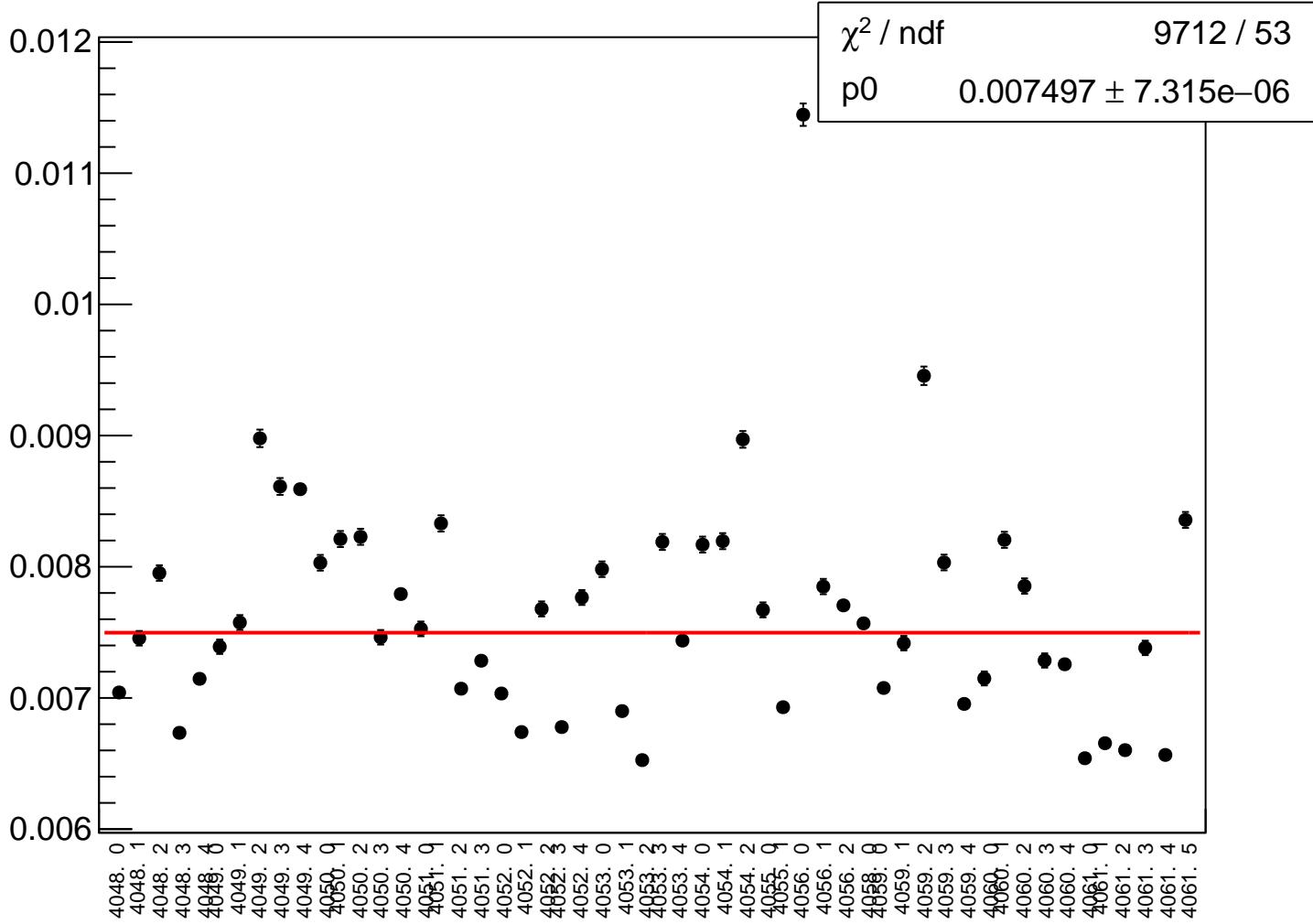
# yield\_bpm0l04Y\_rms vs run



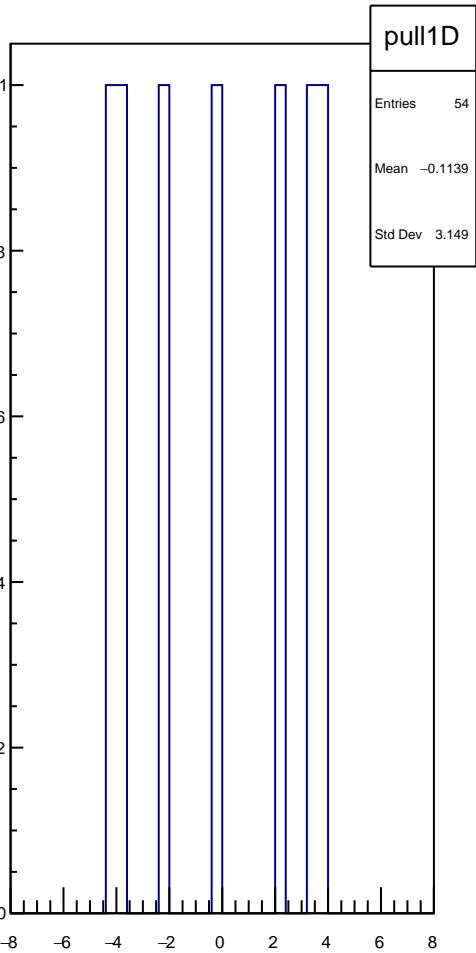
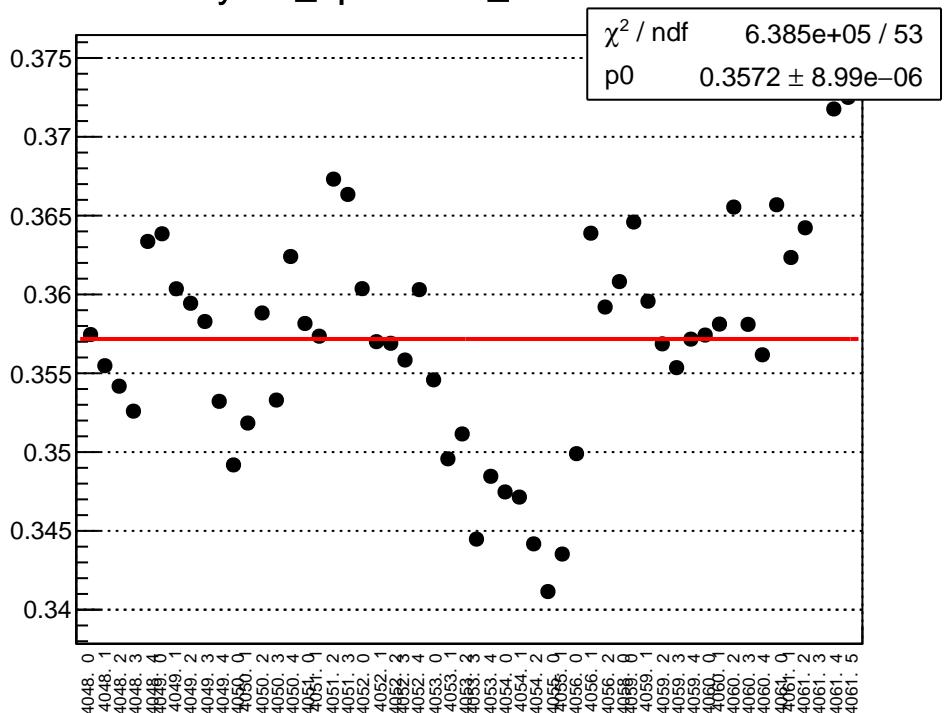
# yield\_bpm0l05X\_mean vs run



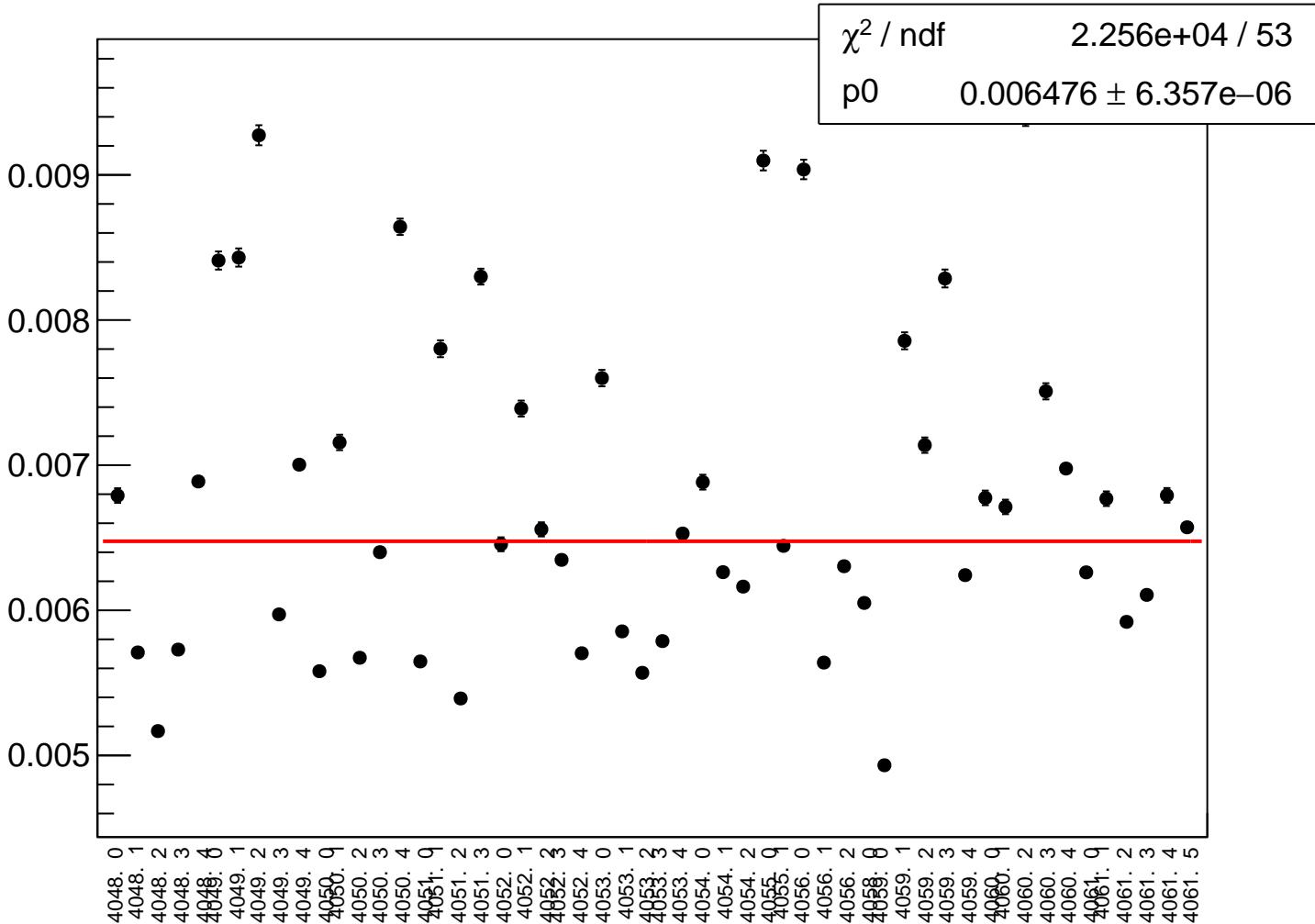
# yield\_bpm0l05X\_rms vs run



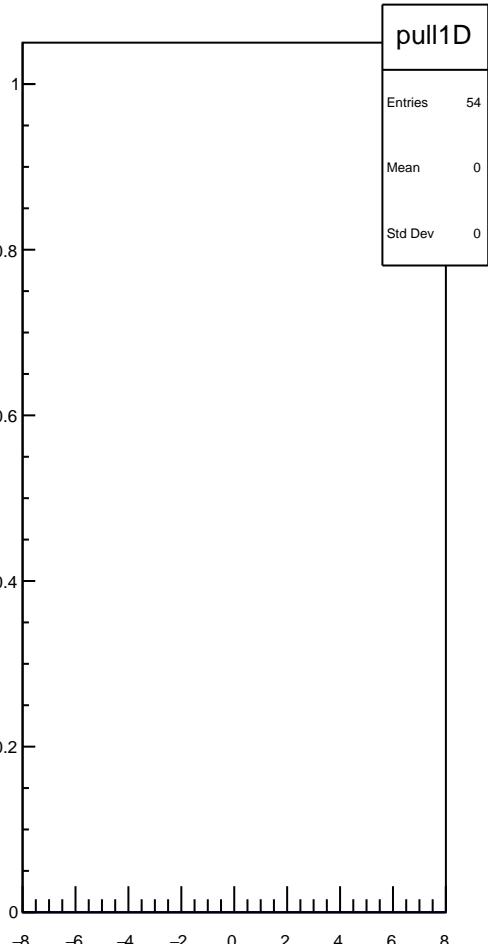
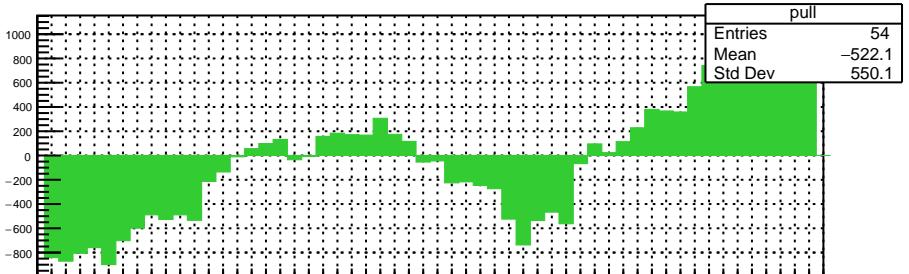
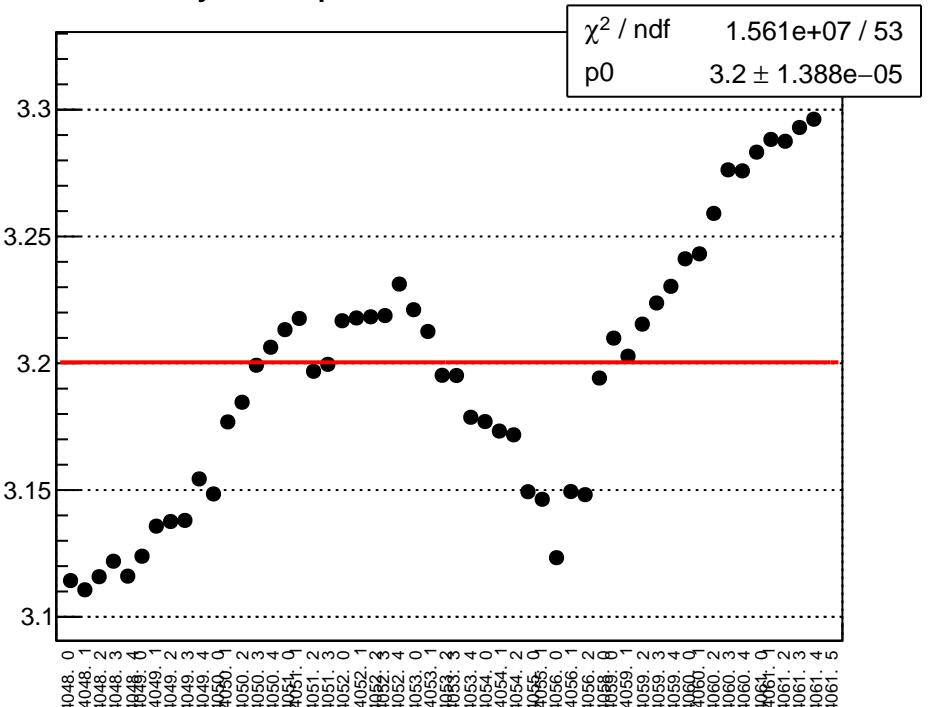
# yield\_bpm0I05Y\_mean vs run



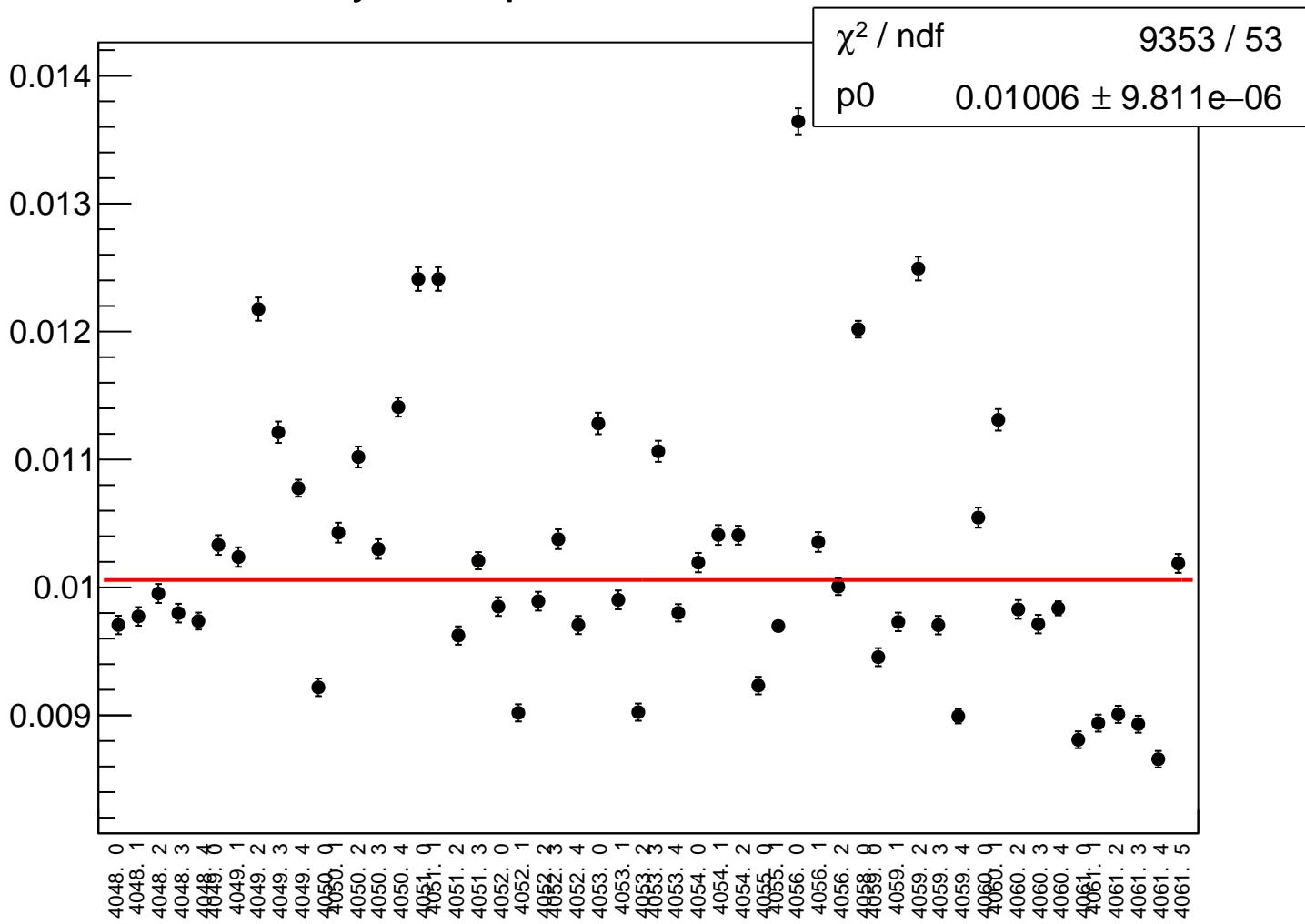
# yield\_bpm0l05Y\_rms vs run



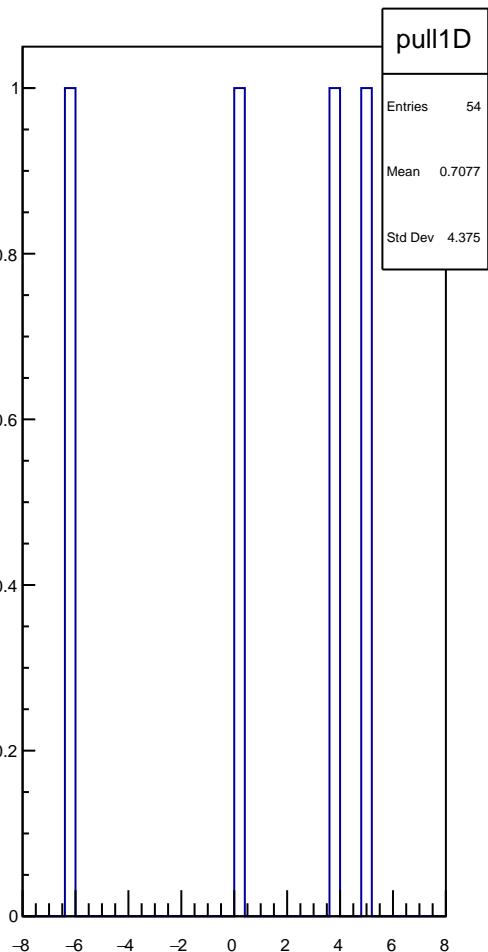
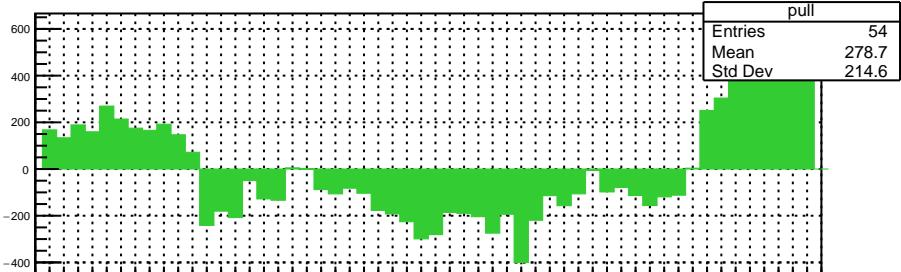
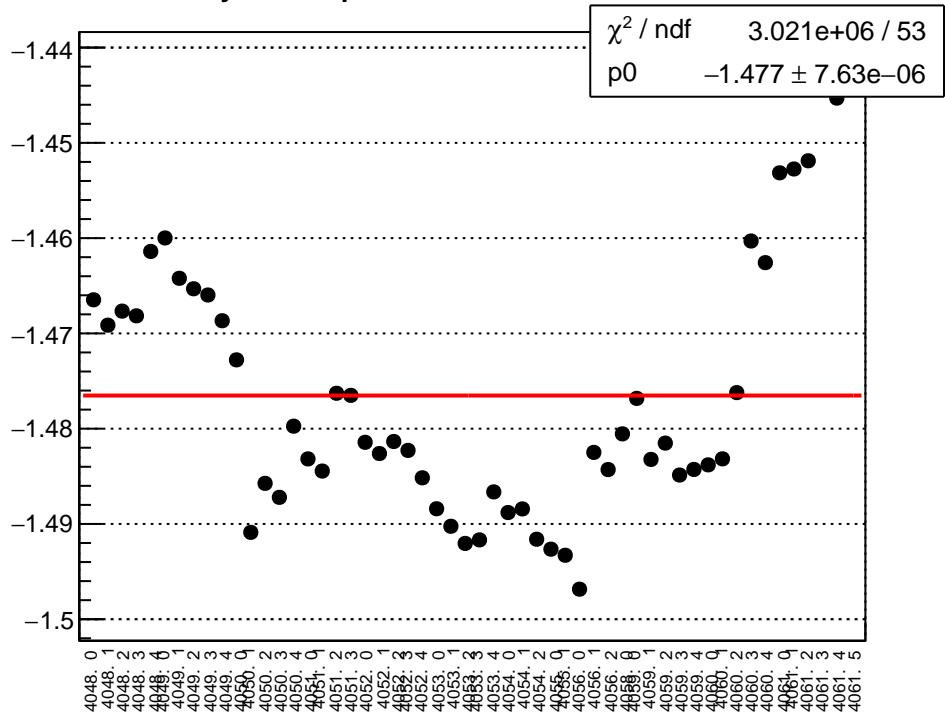
# yield\_bpm0l06X\_mean vs run



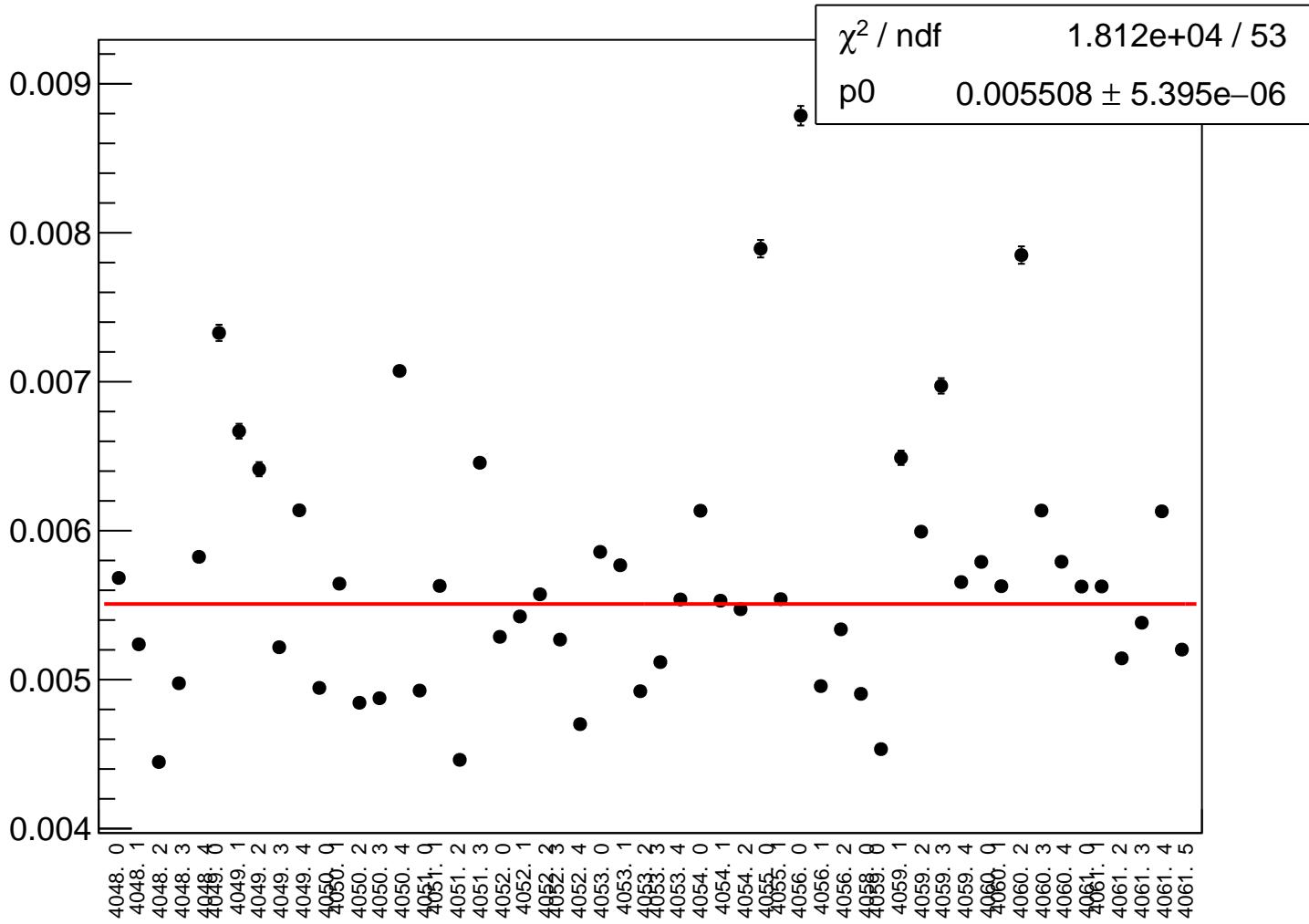
# yield\_bpm0l06X\_rms vs run



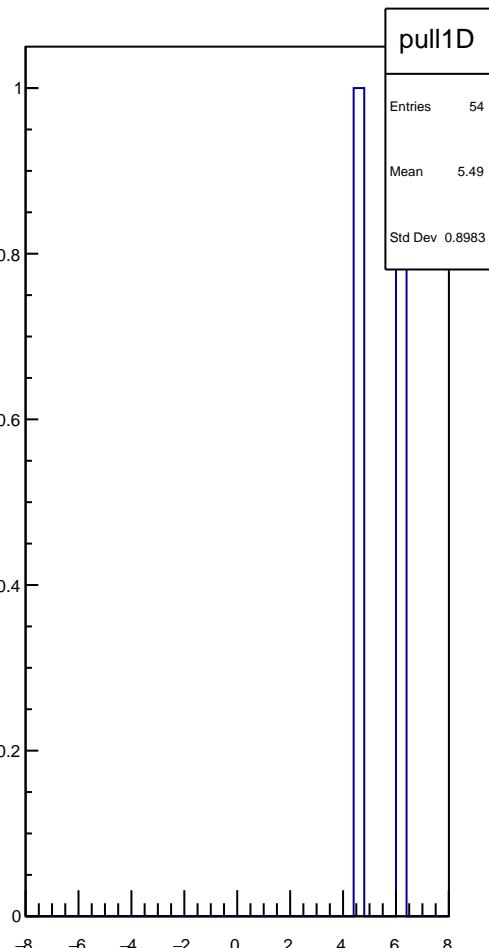
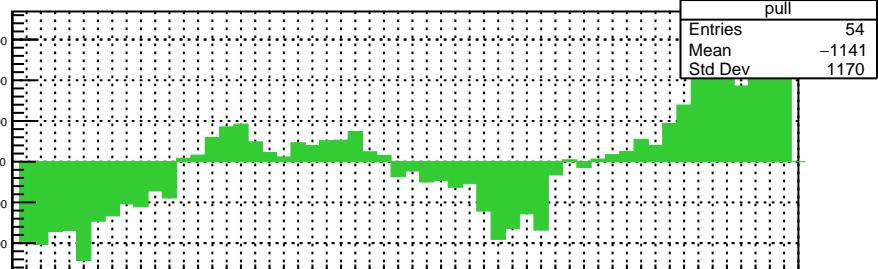
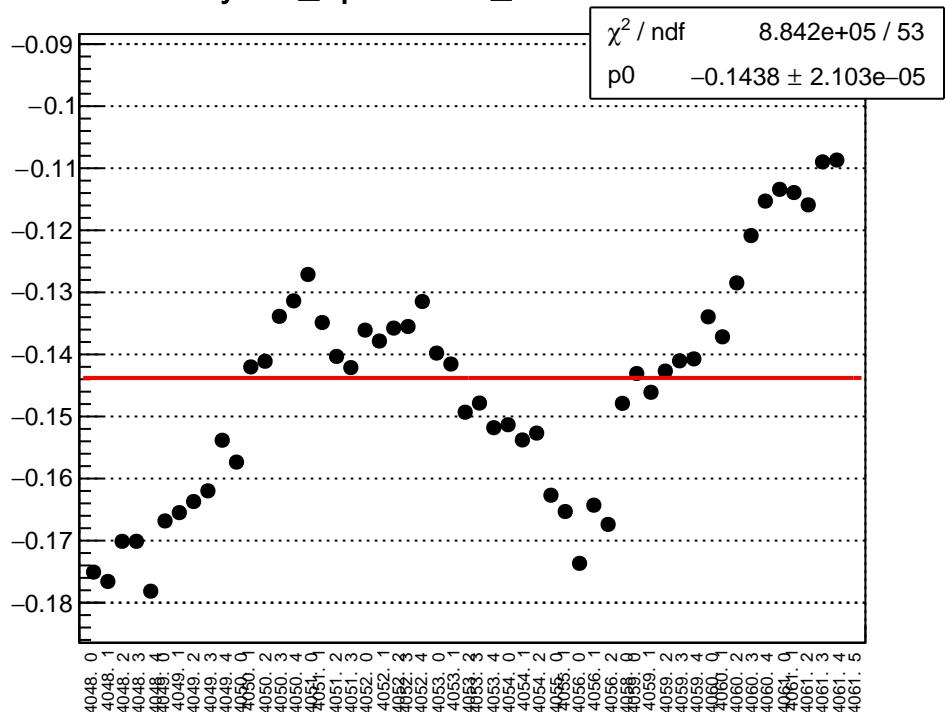
# yield\_bpm0I06Y\_mean vs run



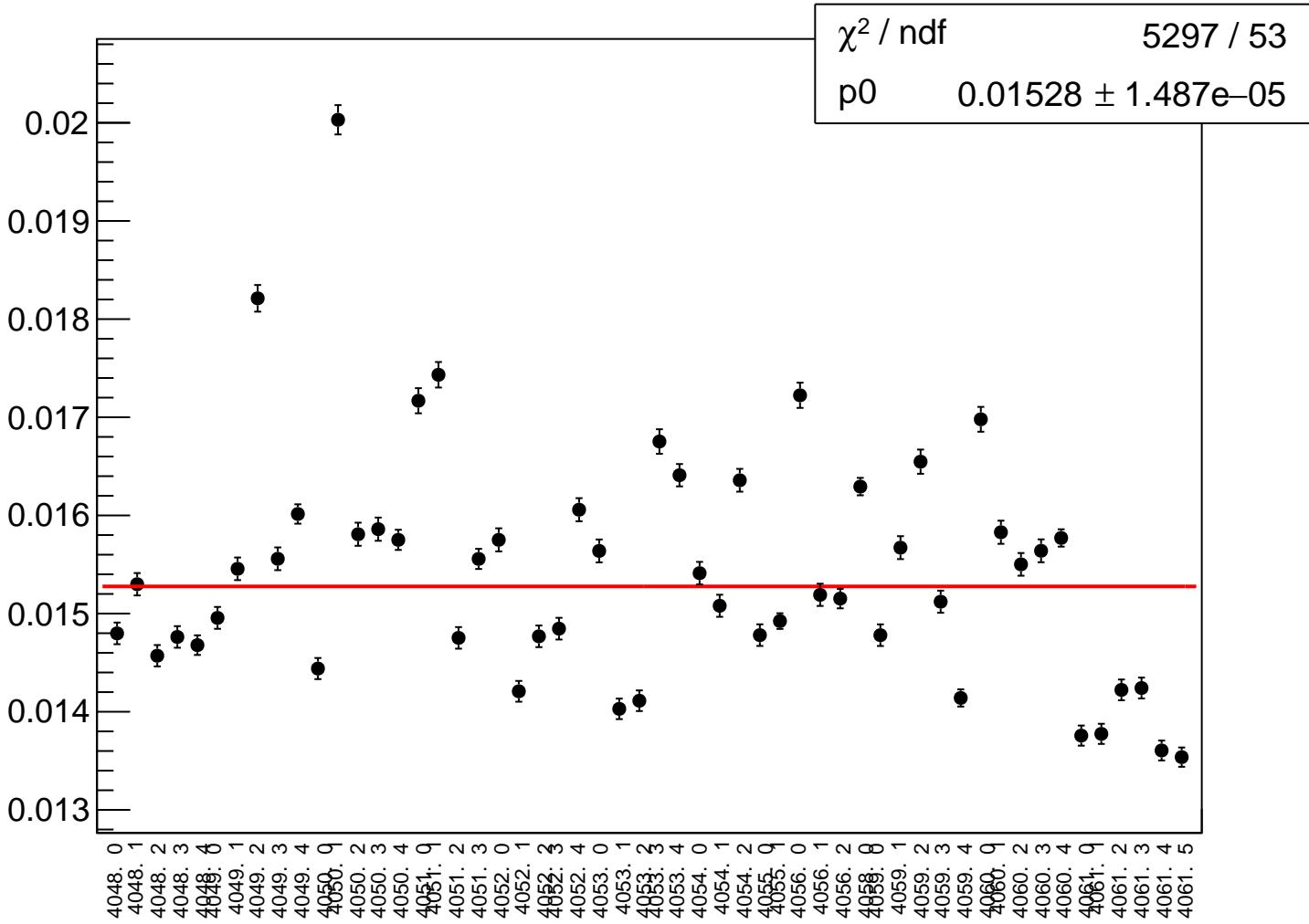
# yield\_bpm0l06Y\_rms vs run



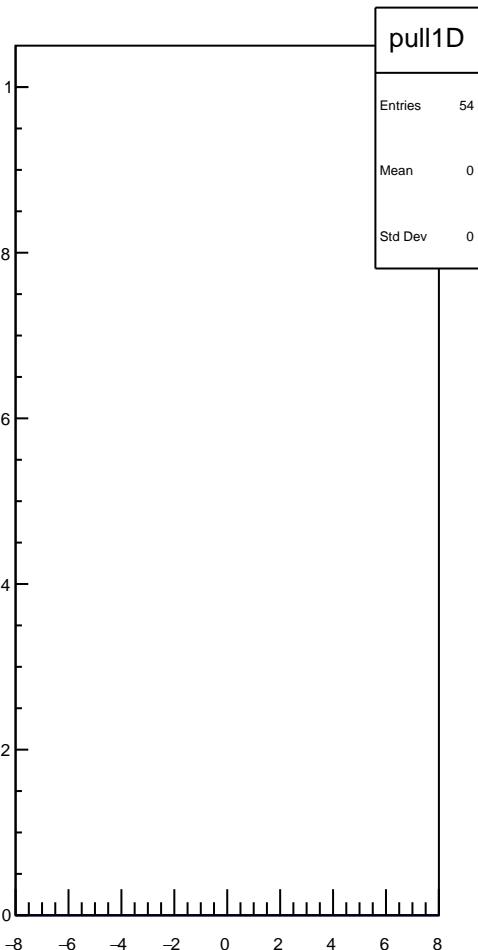
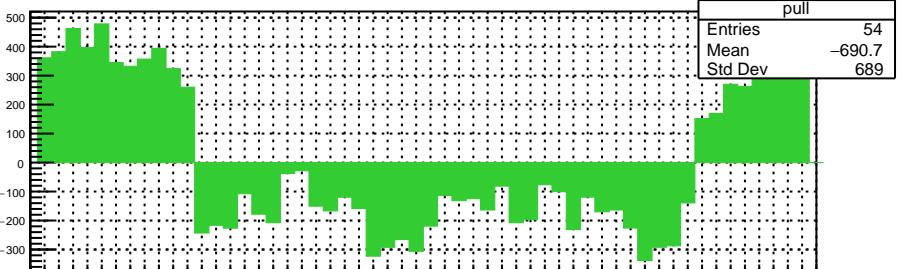
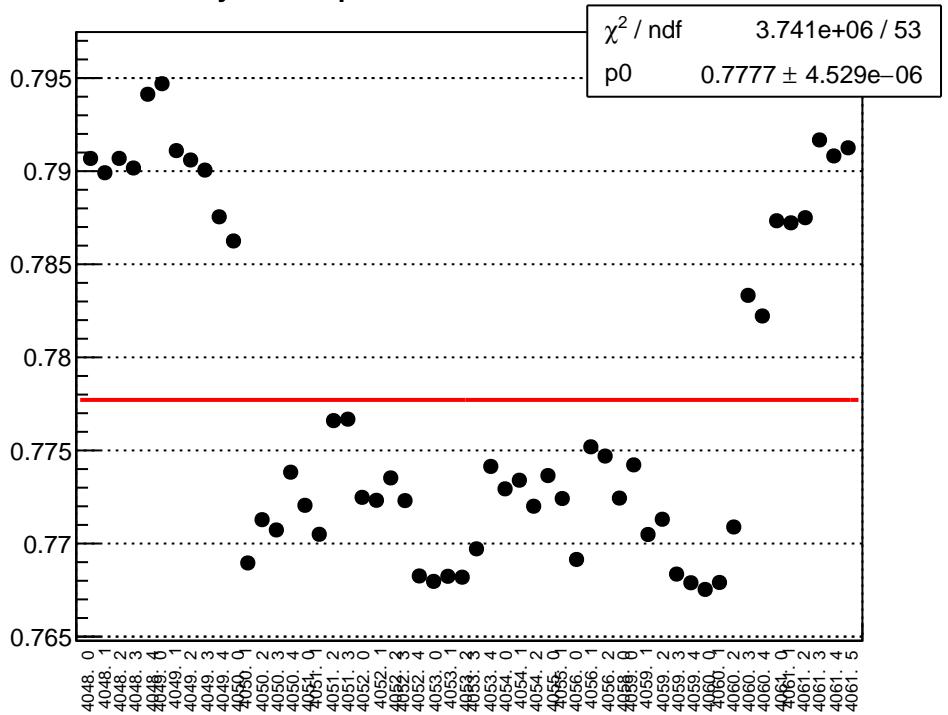
# yield\_bpm0I07X\_mean vs run



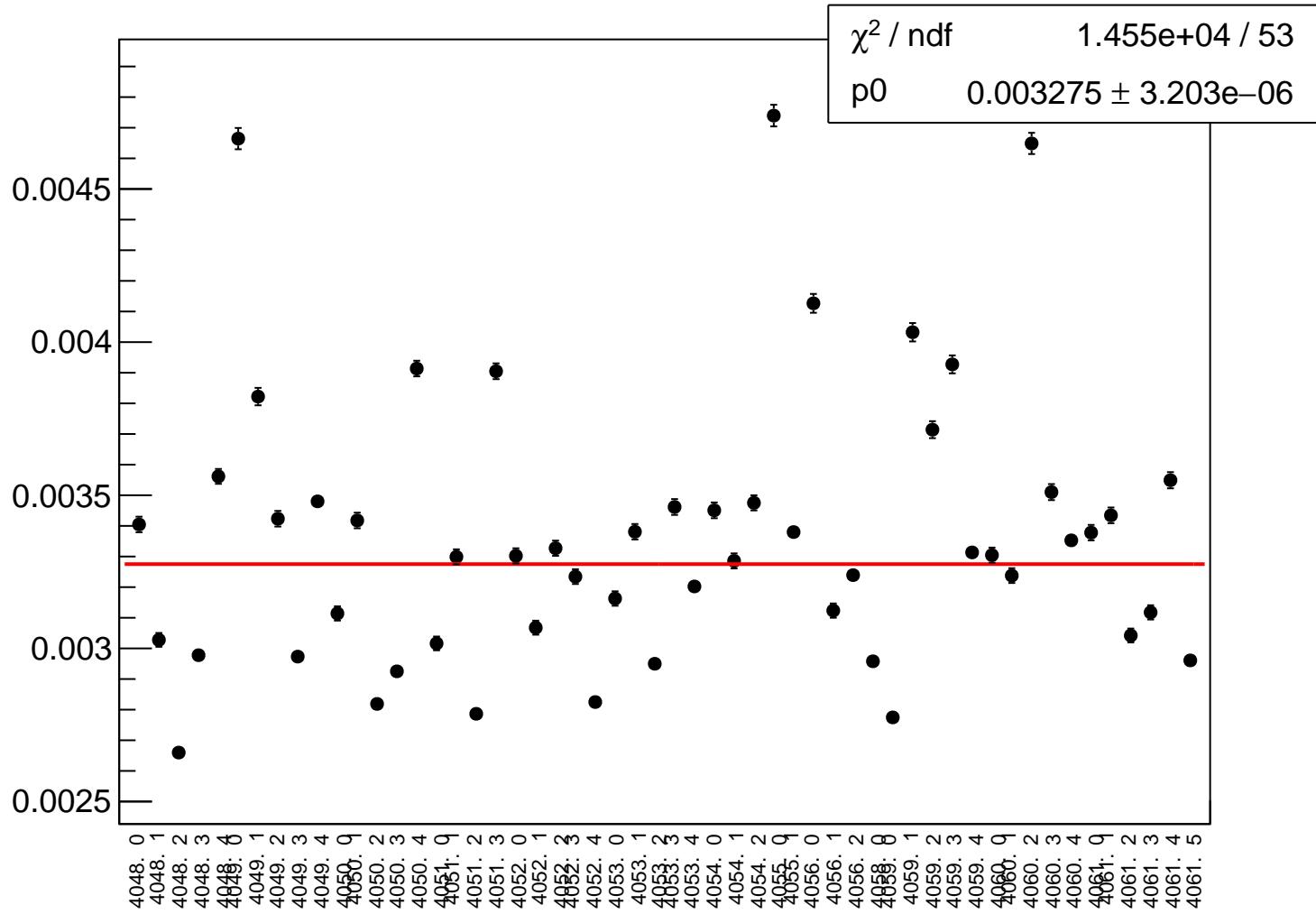
# yield\_bpm0l07X\_rms vs run



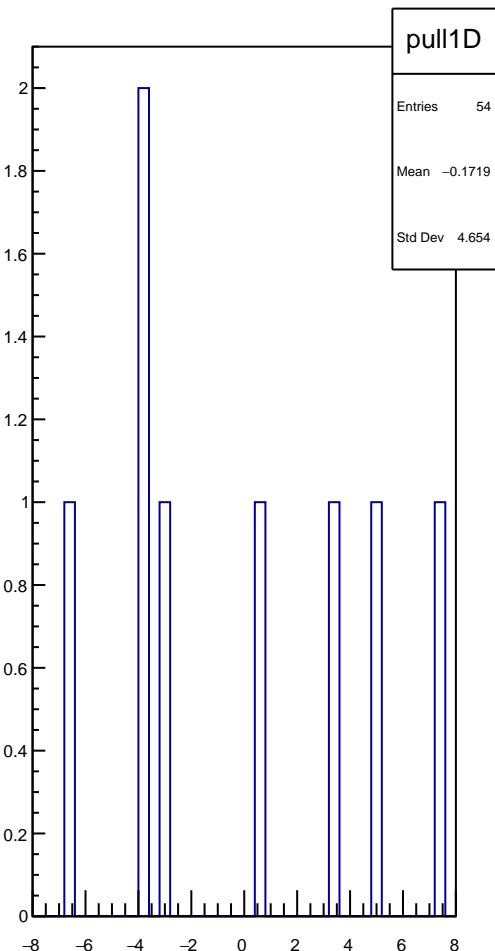
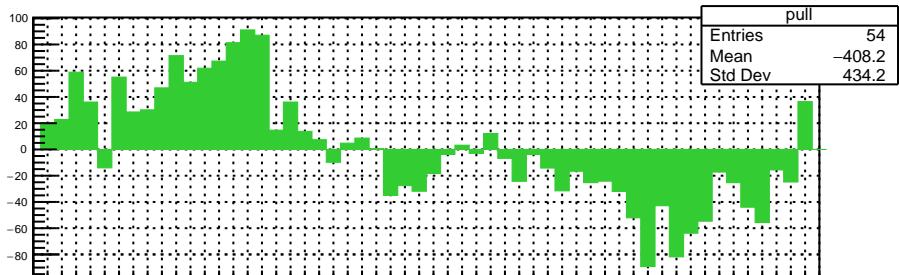
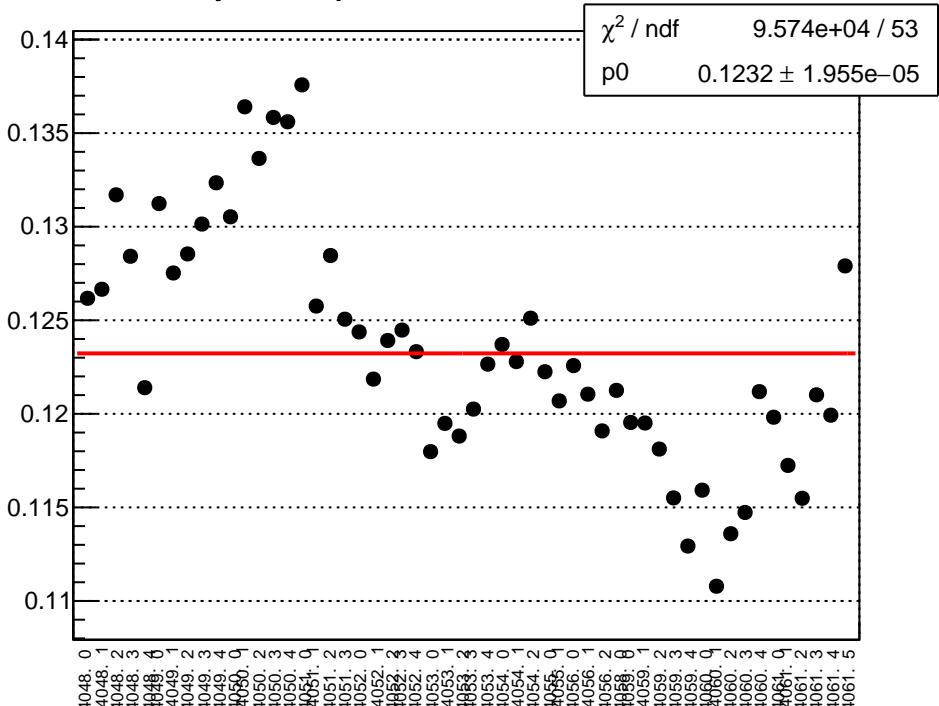
# yield\_bpm0I07Y\_mean vs run



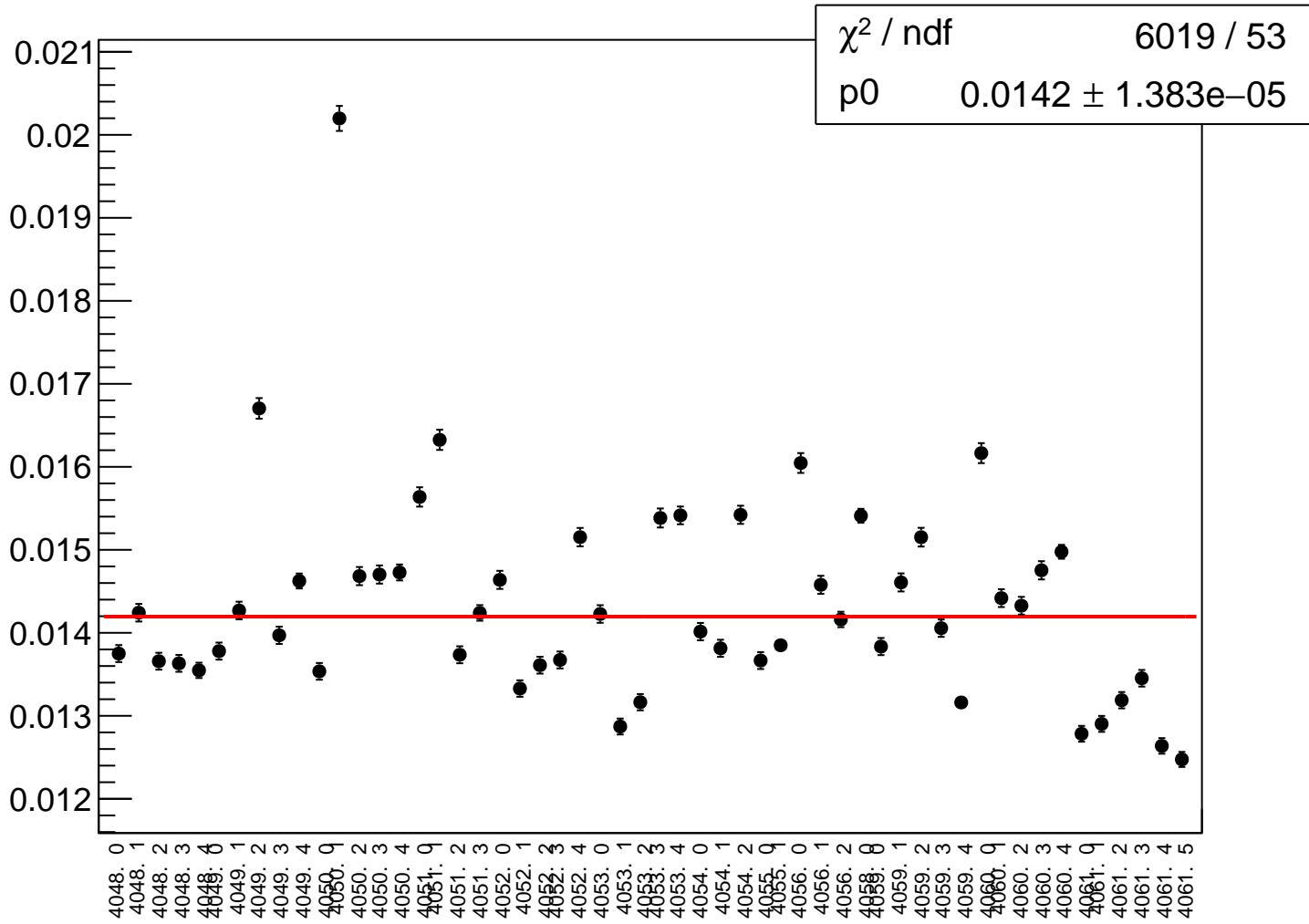
# yield\_bpm0l07Y\_rms vs run



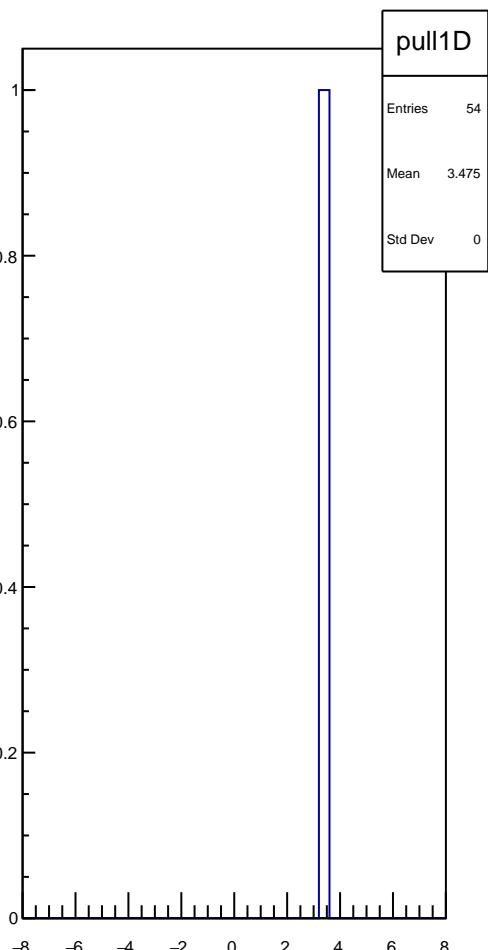
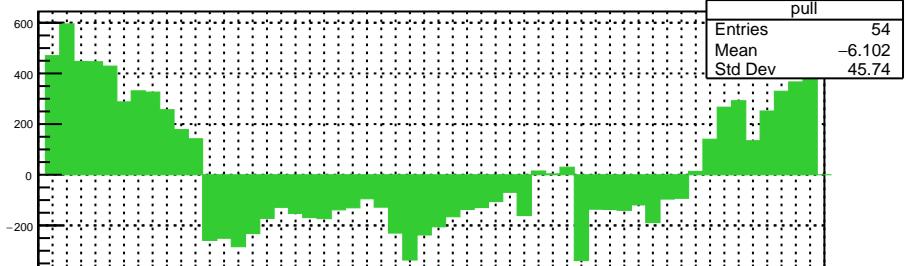
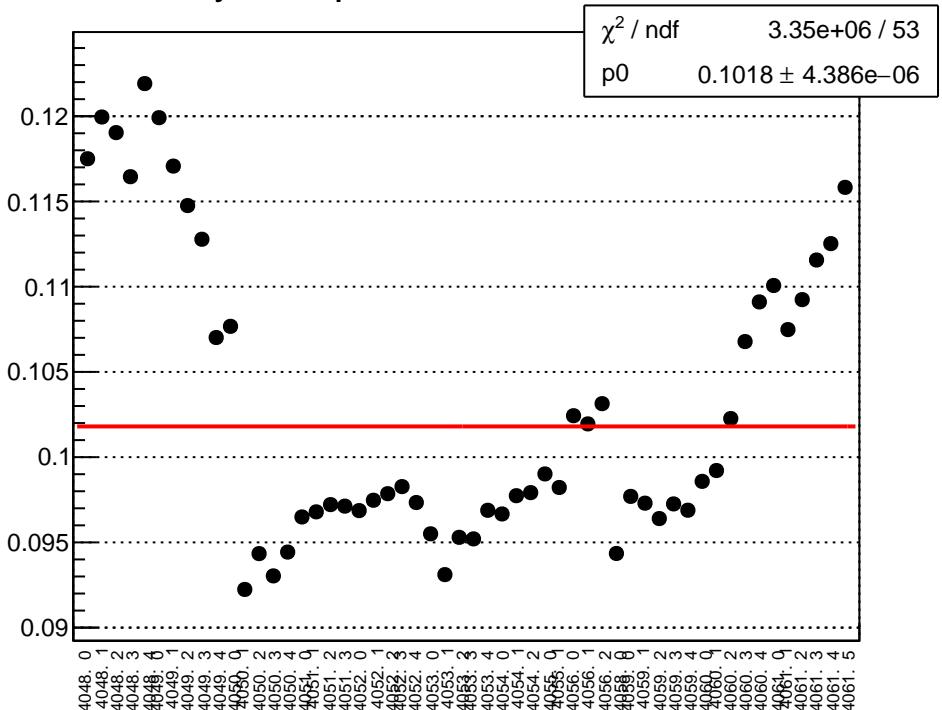
# yield\_bpm0l08X\_mean vs run



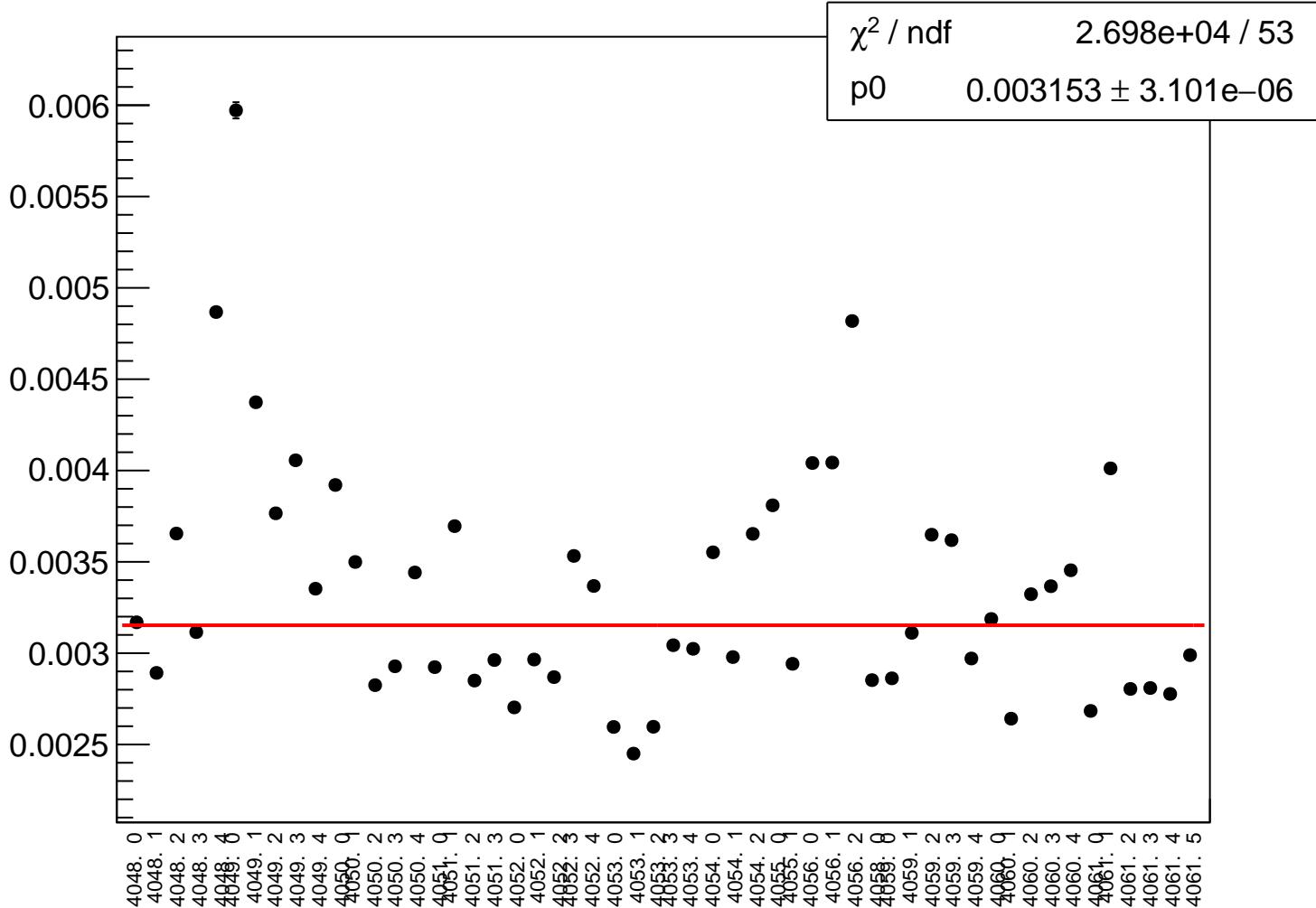
# yield\_bpm0l08X\_rms vs run



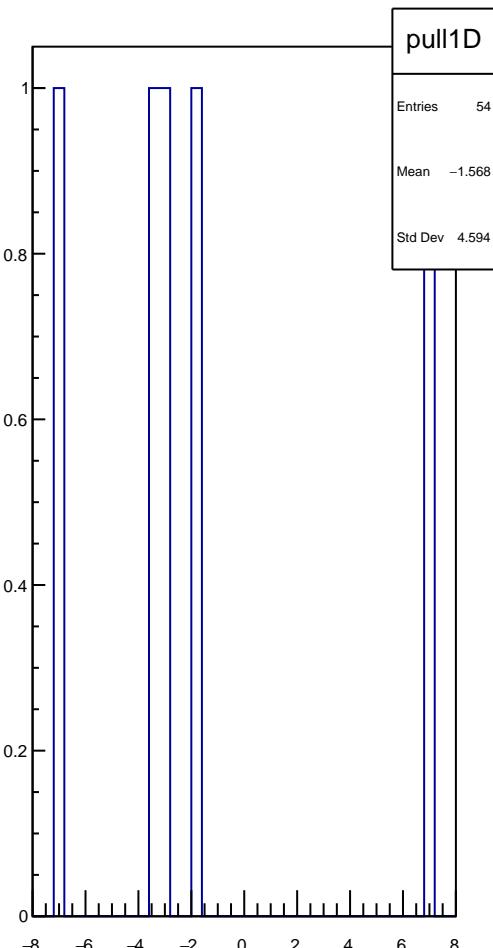
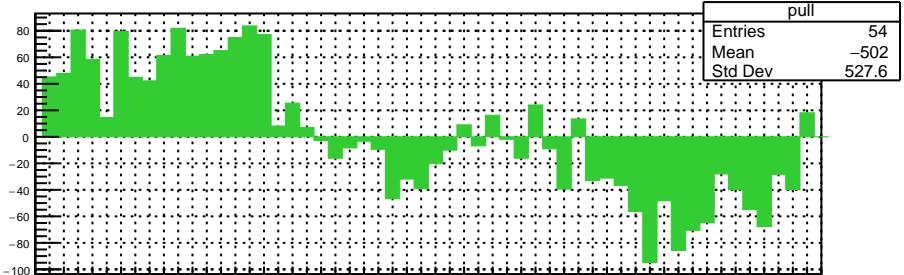
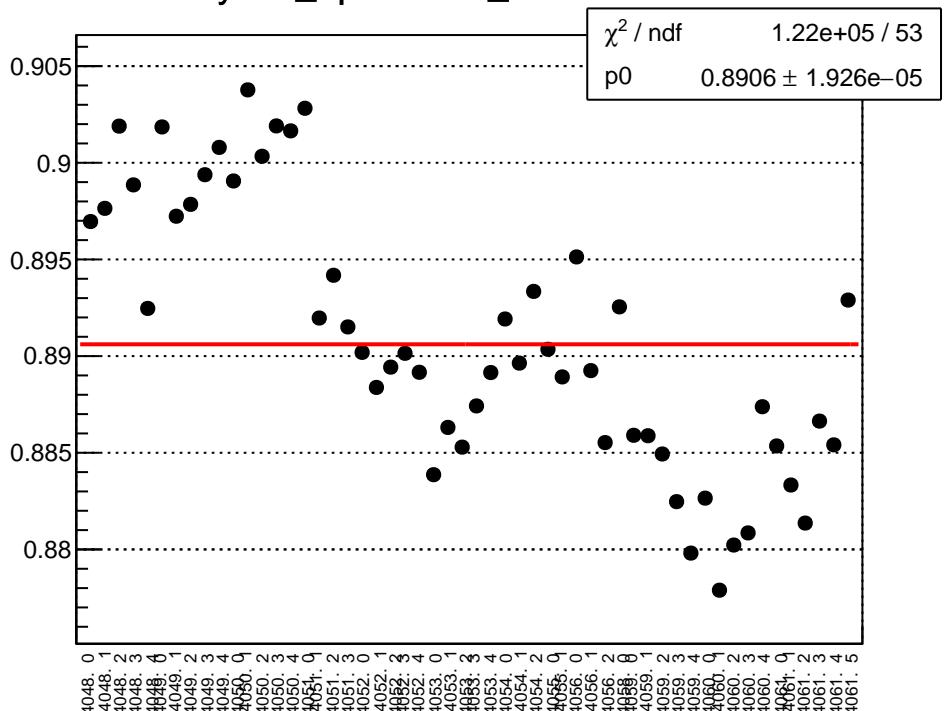
# yield\_bpm0I08Y\_mean vs run



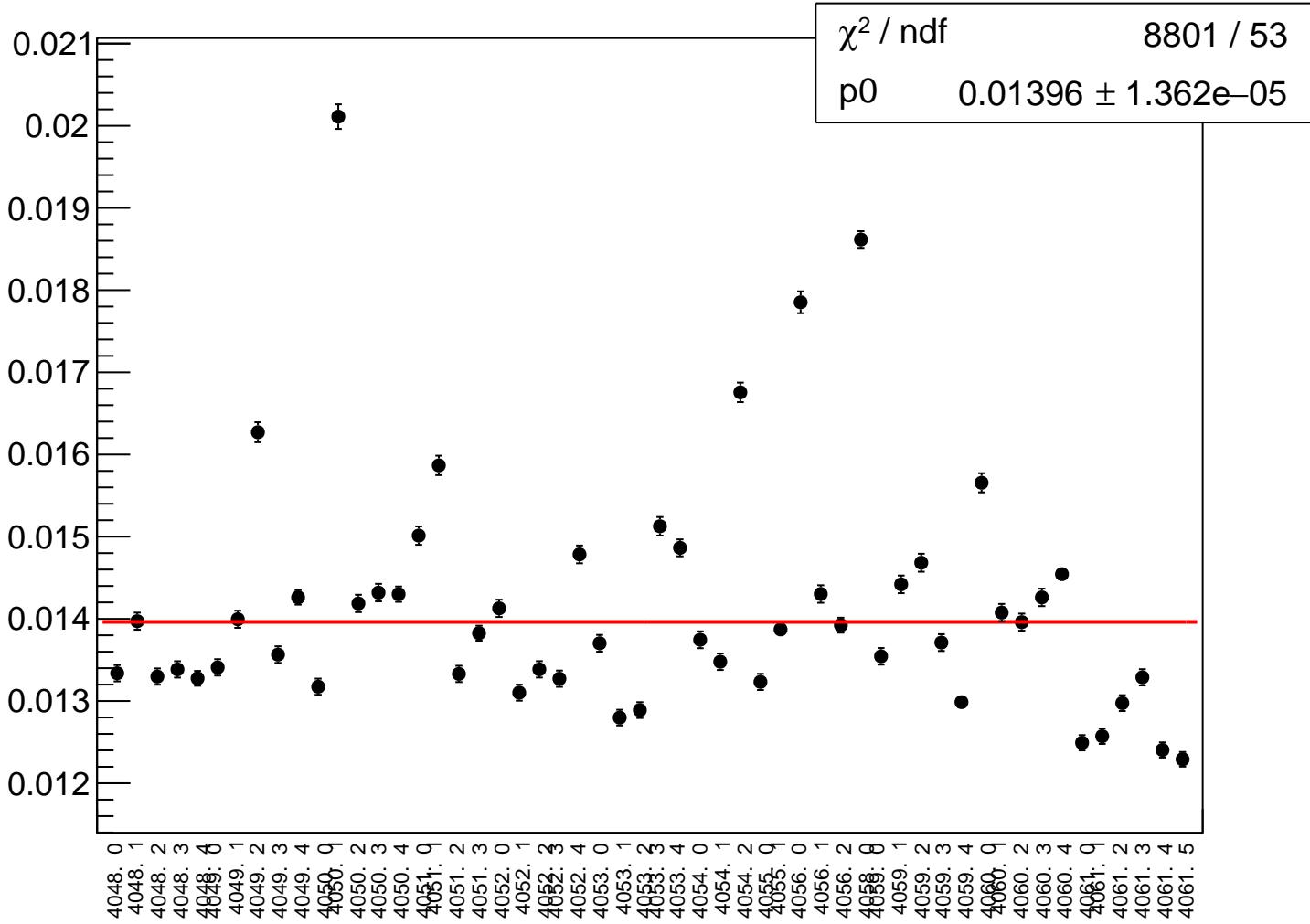
# yield\_bpm0l08Y\_rms vs run



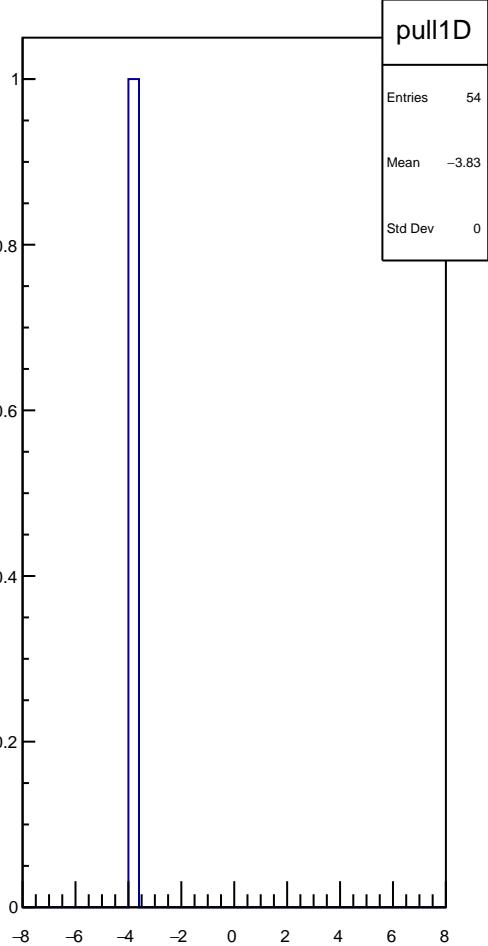
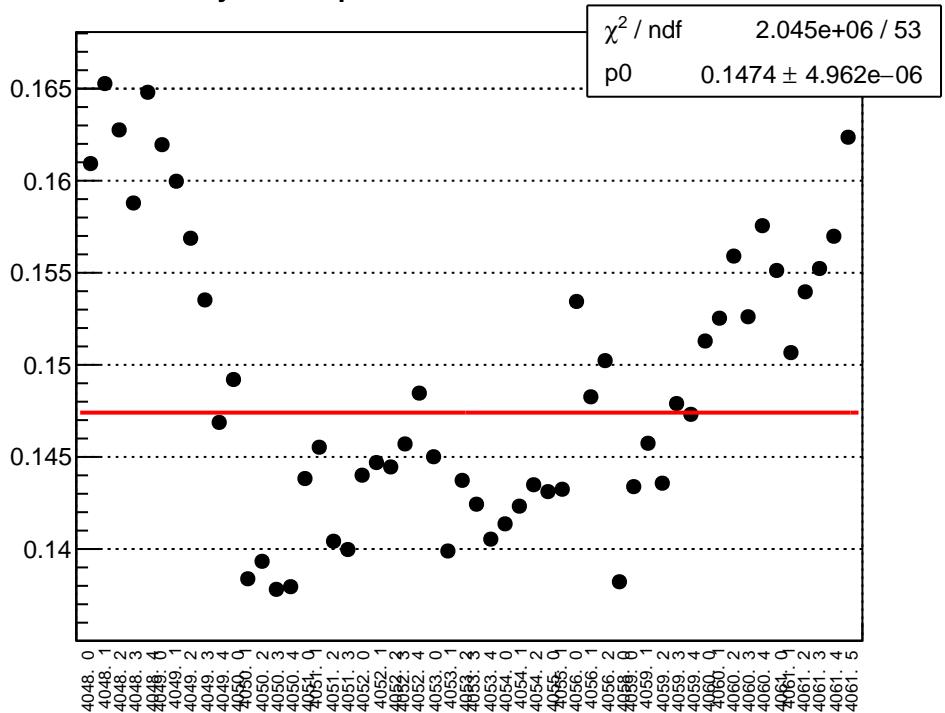
# yield\_bpm0l09X\_mean vs run



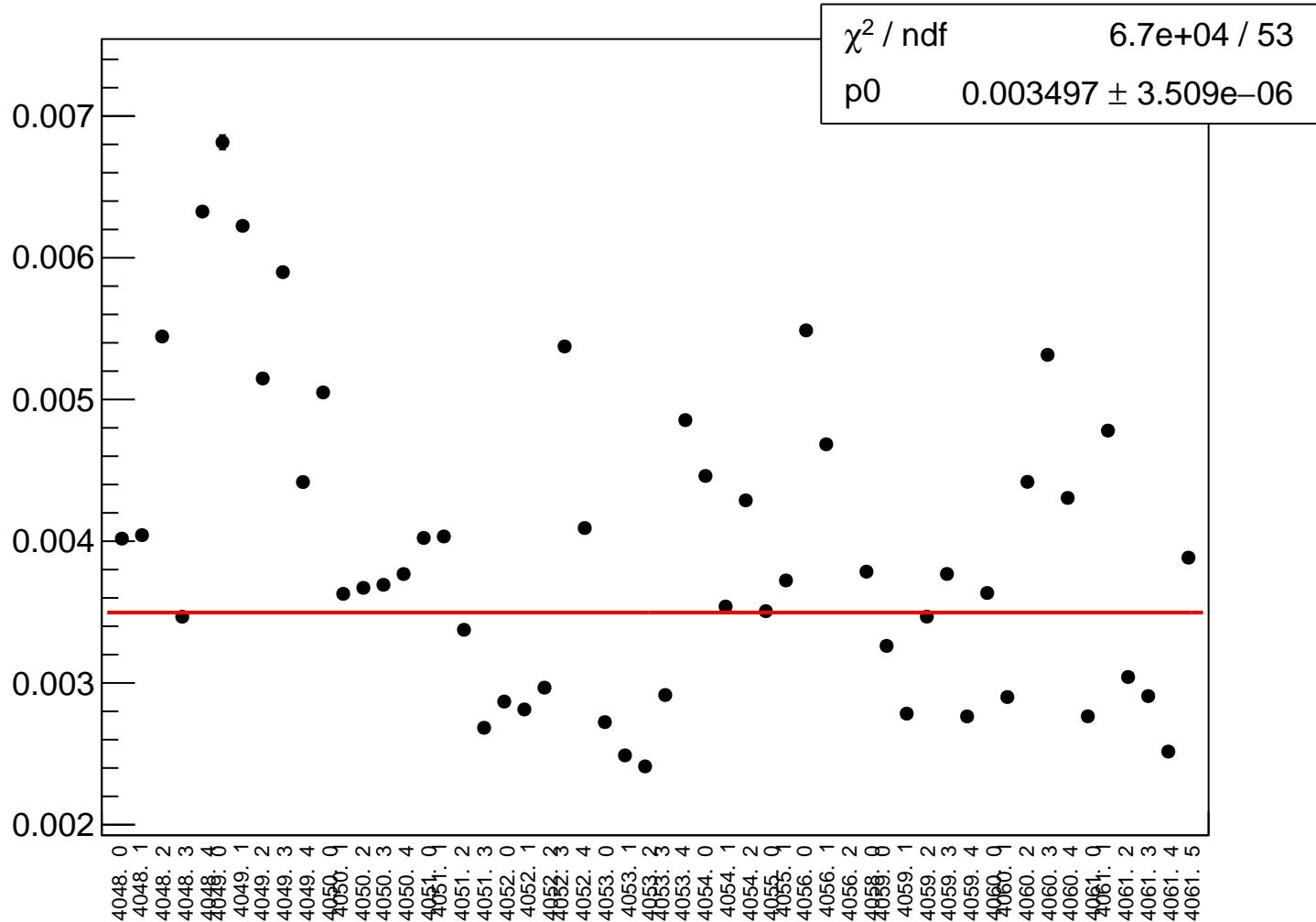
# yield\_bpm0l09X\_rms vs run



# yield\_bpm0l09Y\_mean vs run

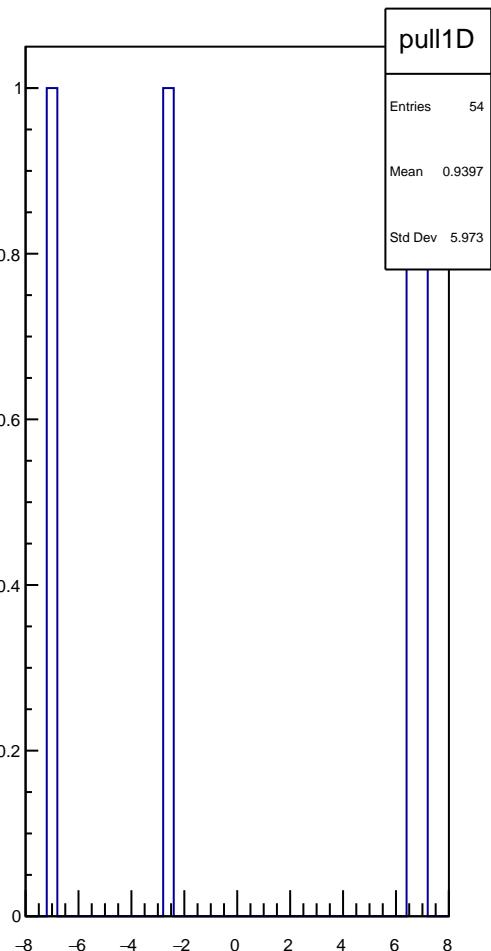
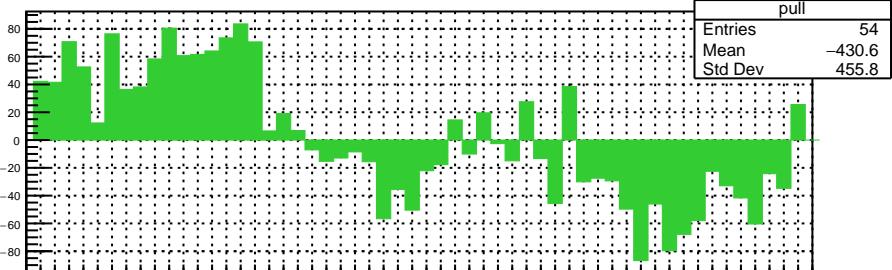
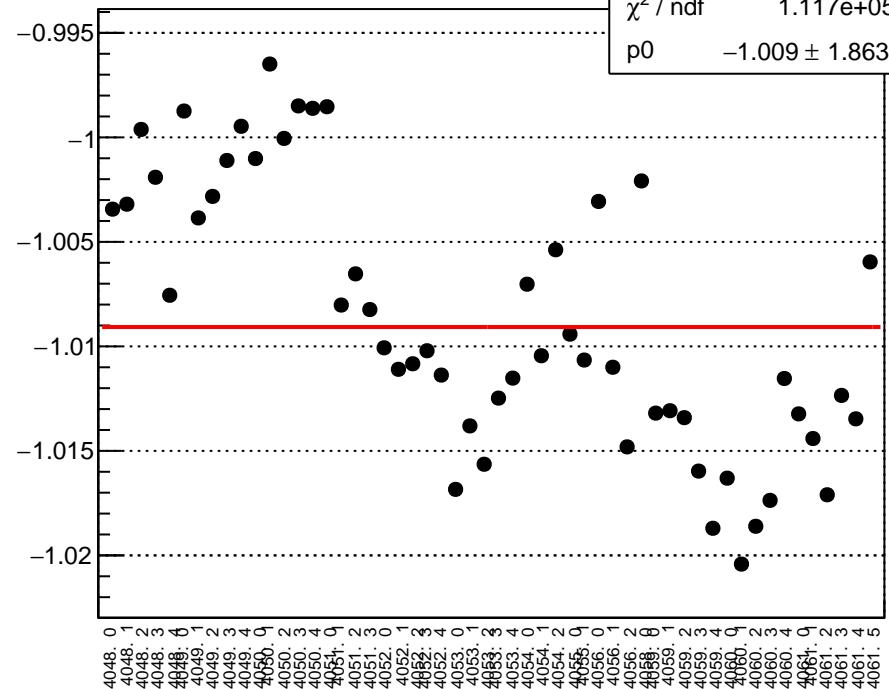


# yield\_bpm0l09Y\_rms vs run

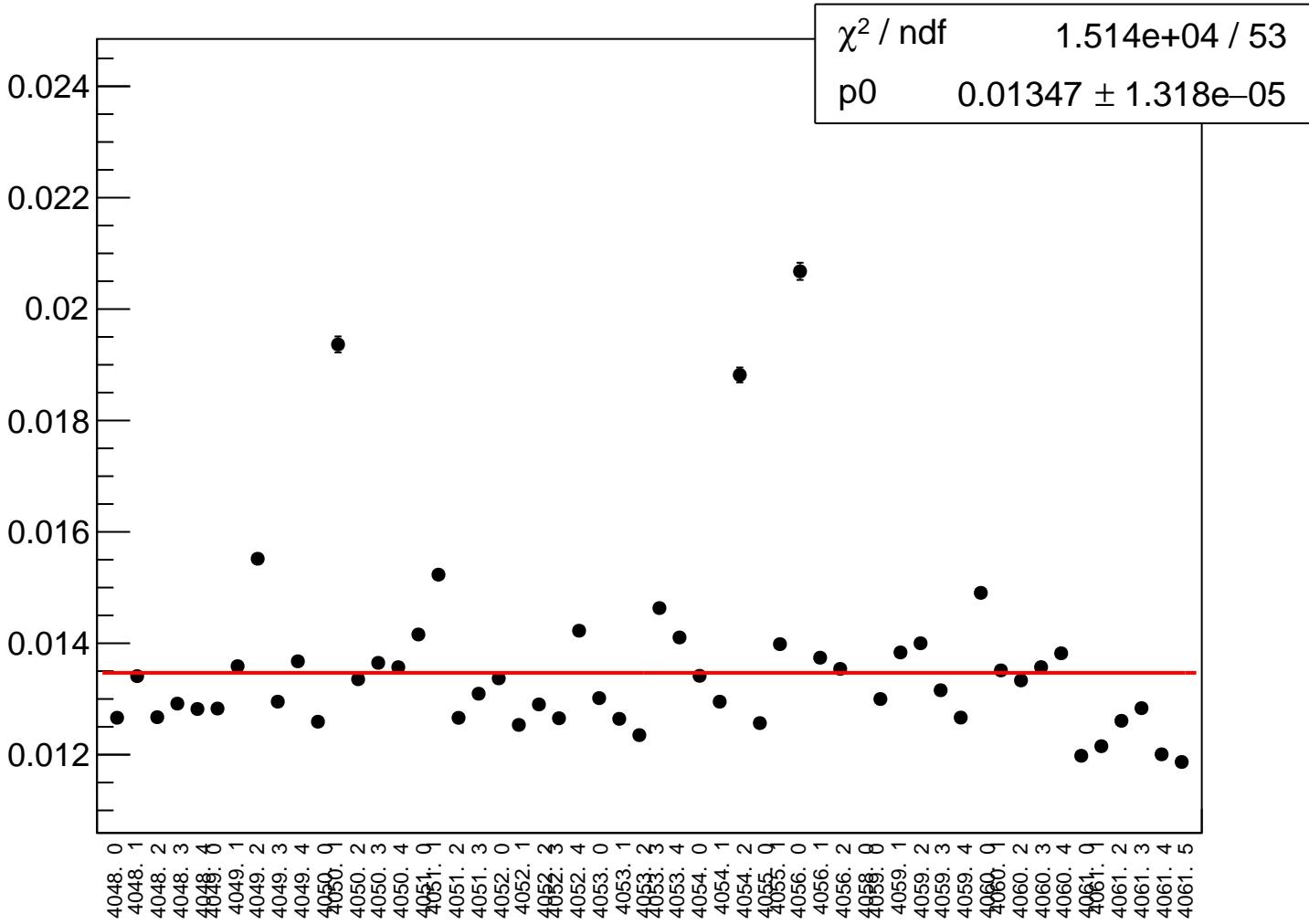


# yield\_bpm0l10X\_mean vs run

$\chi^2 / \text{ndf}$  1.117e+05 / 53  
p0  $-1.009 \pm 1.863\text{e}{-05}$

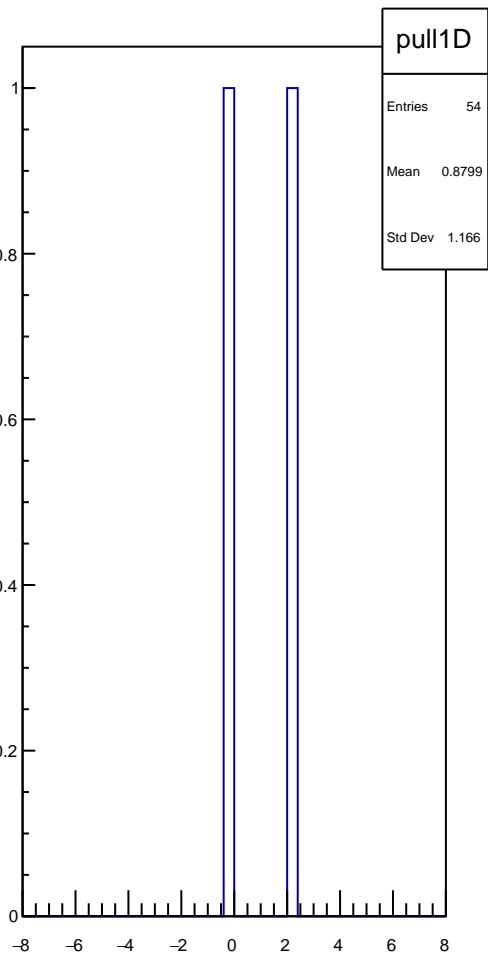
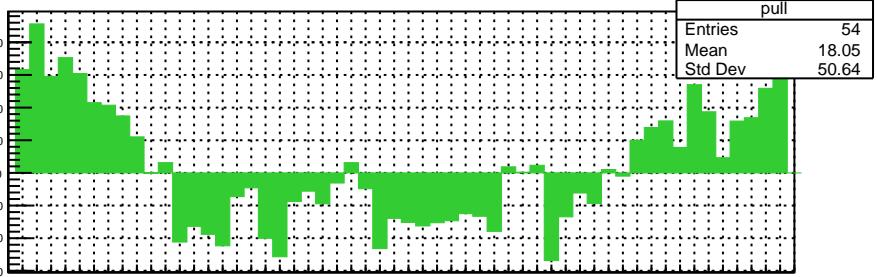
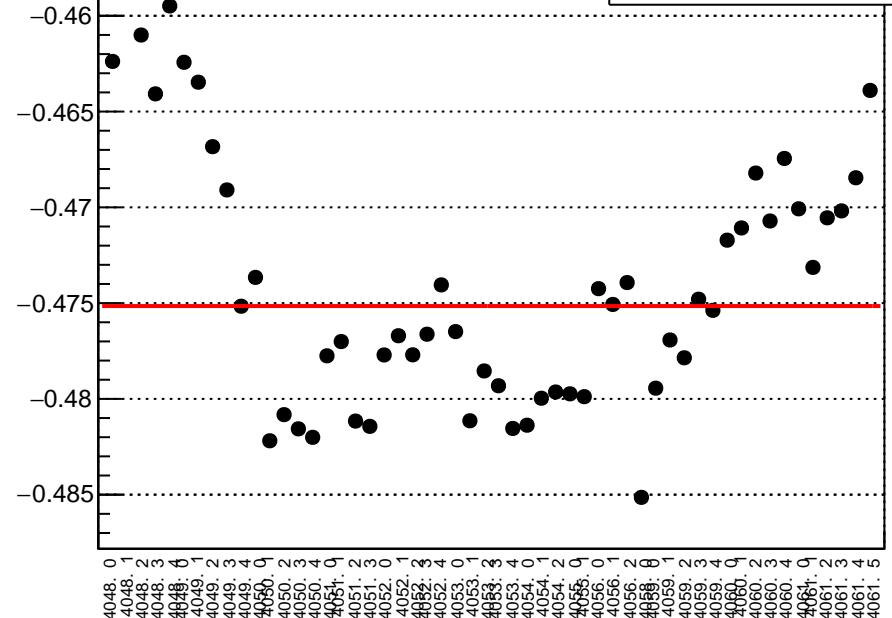


# yield\_bpm0l10X\_rms vs run



# yield\_bpm0I10Y\_mean vs run

$\chi^2 / \text{ndf}$  1.76e+06 / 53  
p0  $-0.4752 \pm 4.53\text{e}{-06}$



# yield\_bpm0l10Y\_rms vs run

