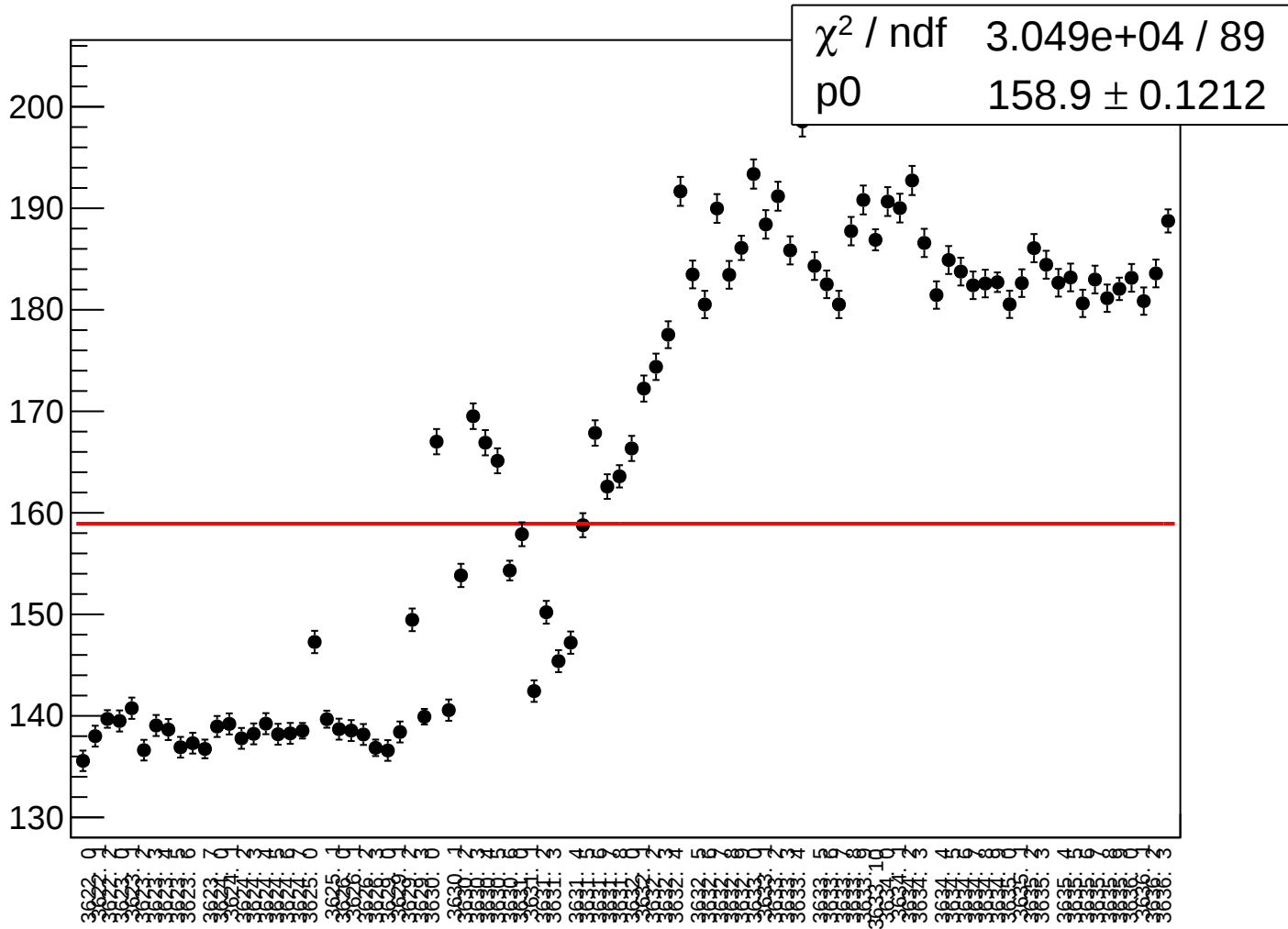
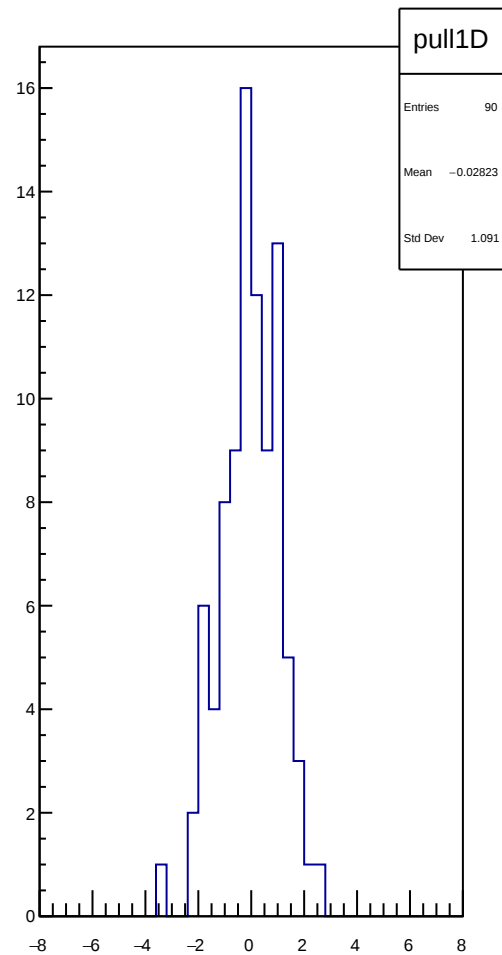
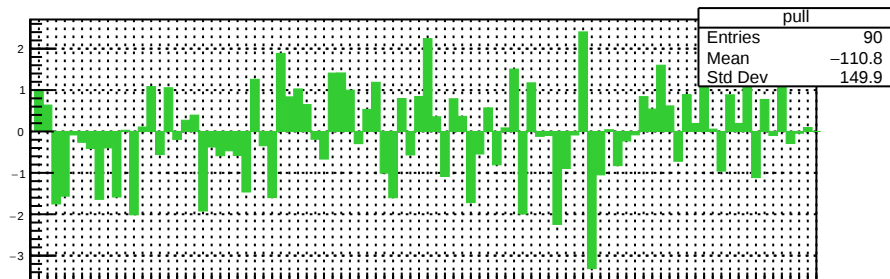
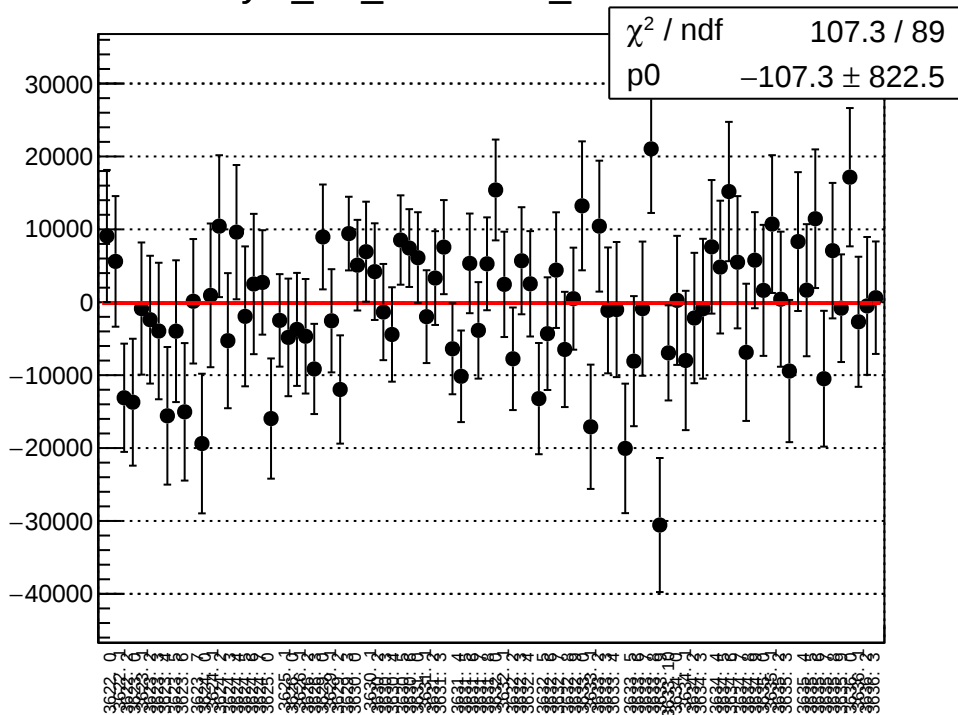


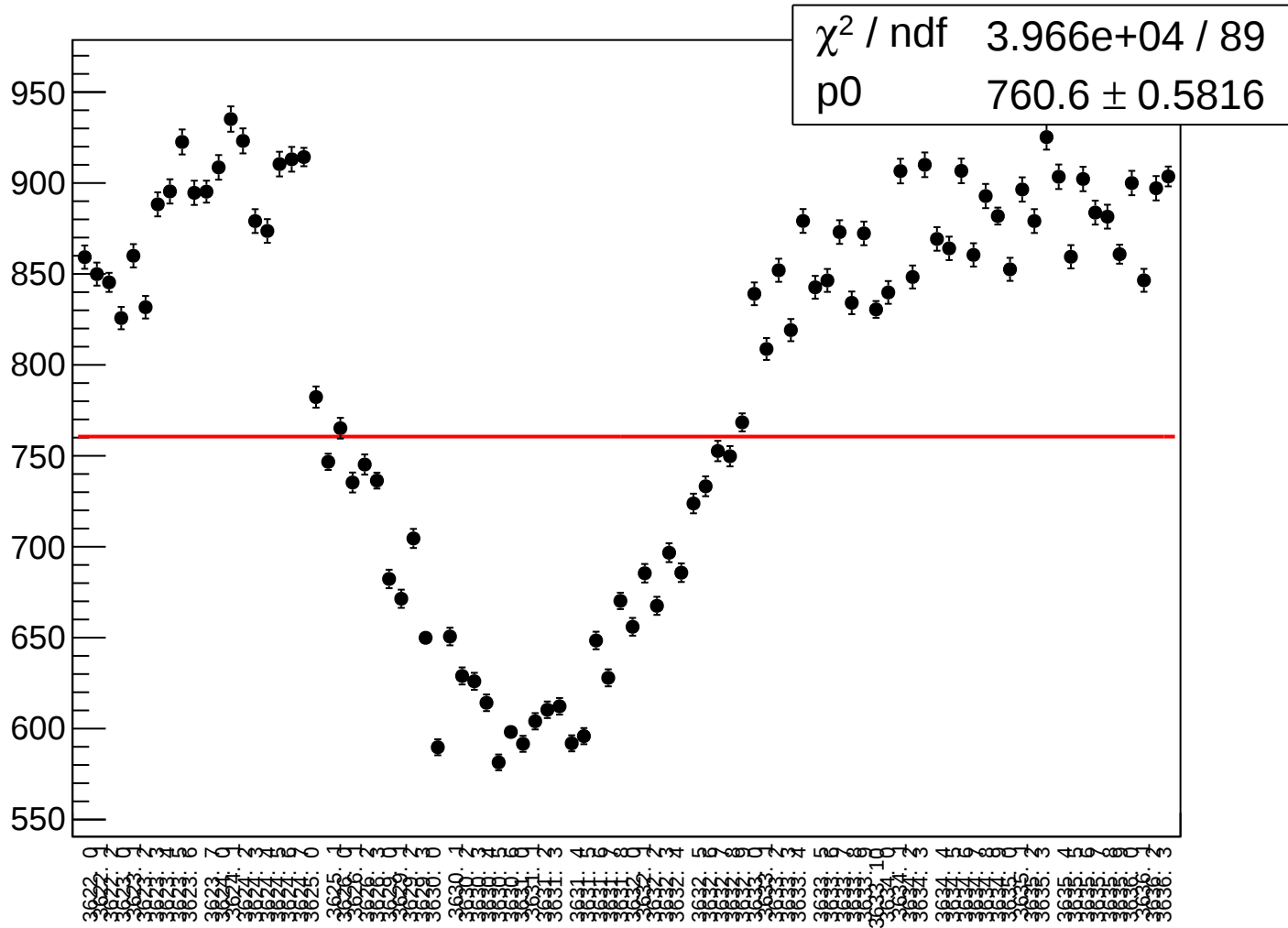
reg_asym_usl_rms vs run



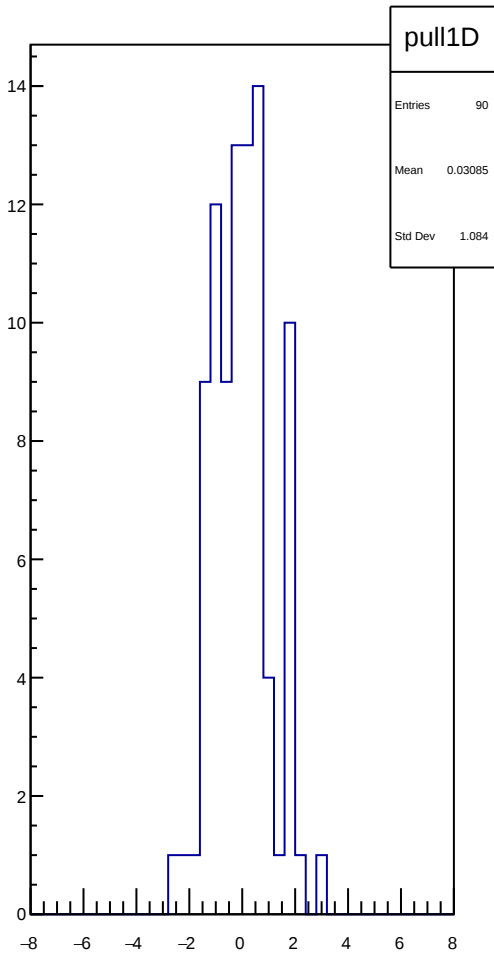
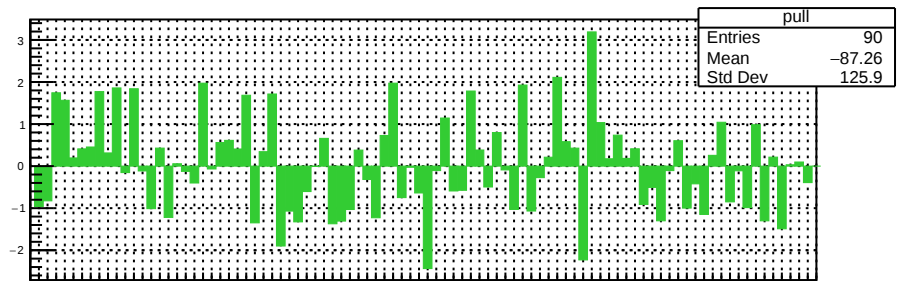
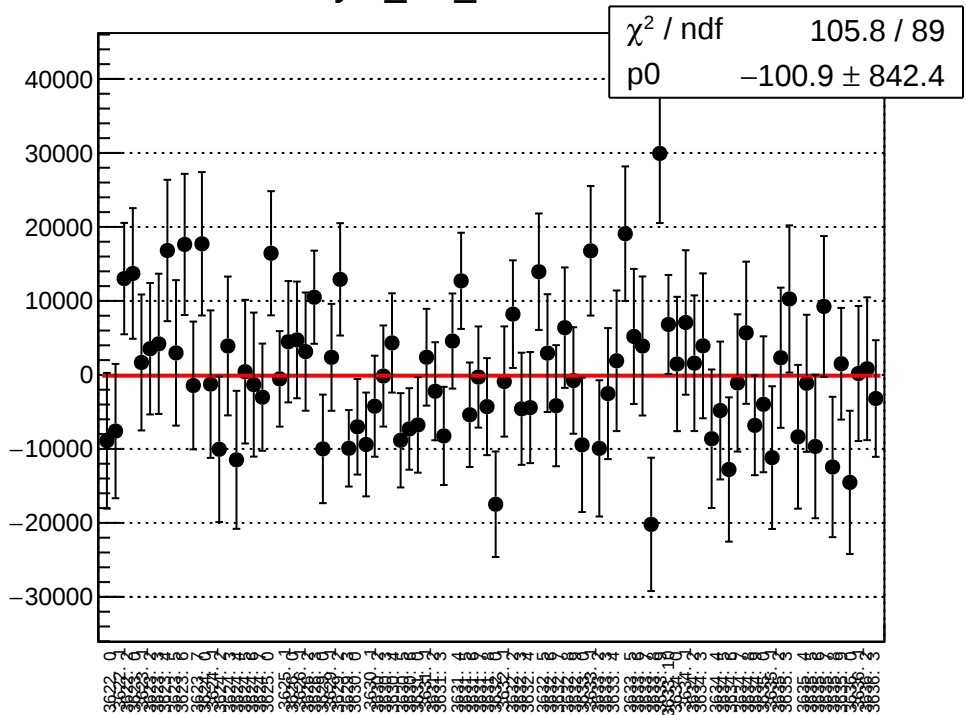
asym_usl_correction_mean vs run



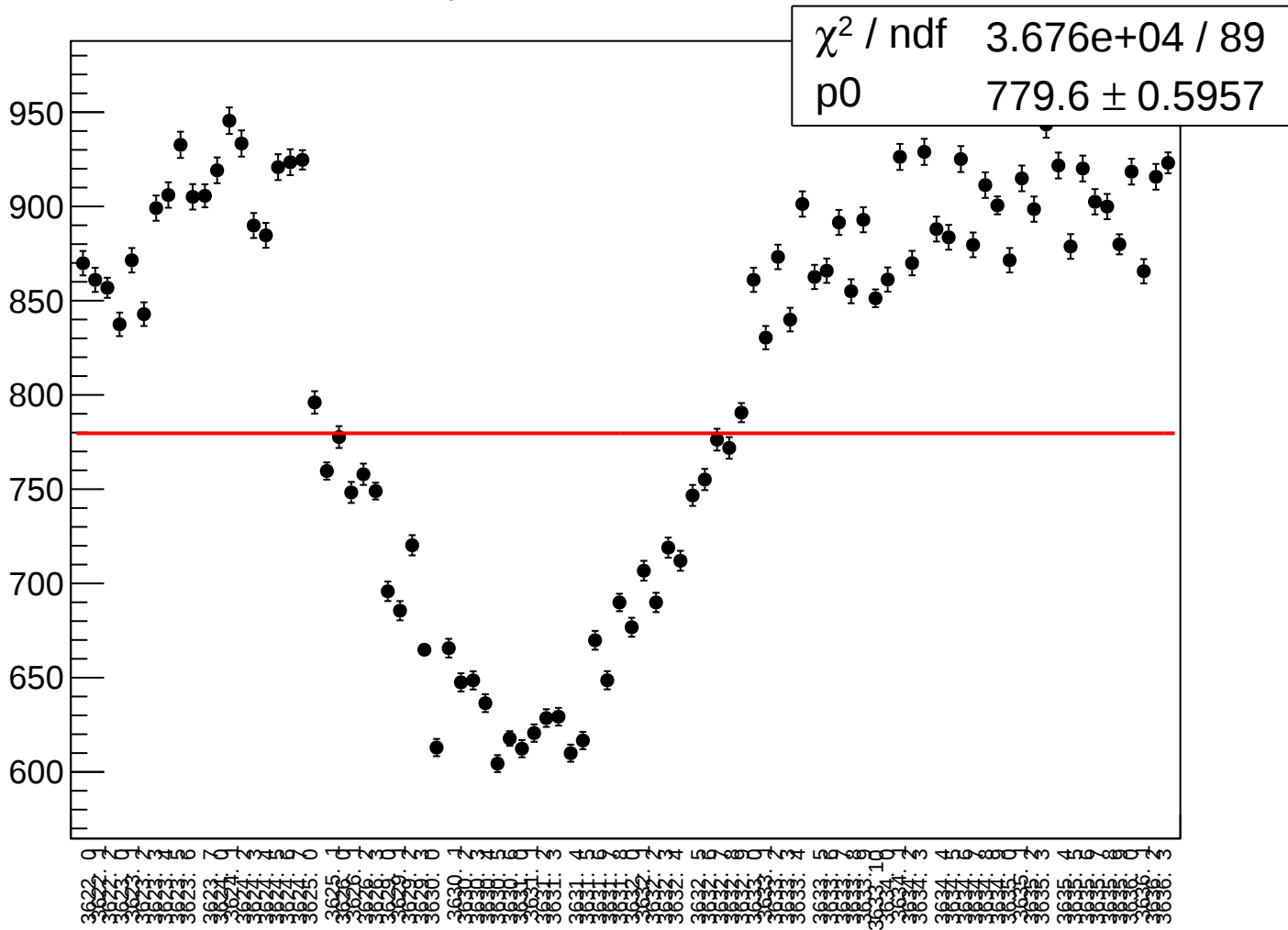
asym_usl_correction_rms vs run



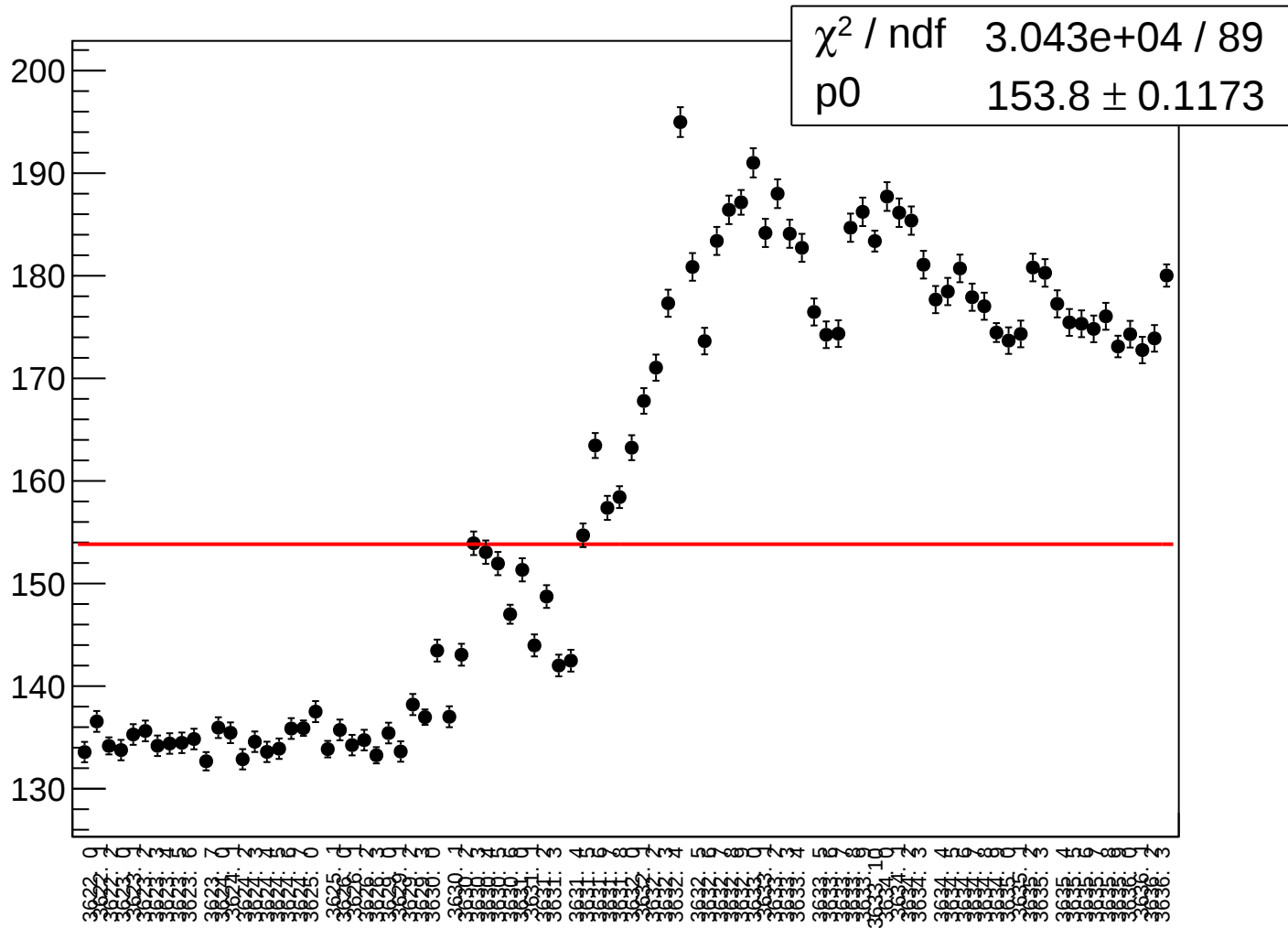
asym_usl_mean vs run



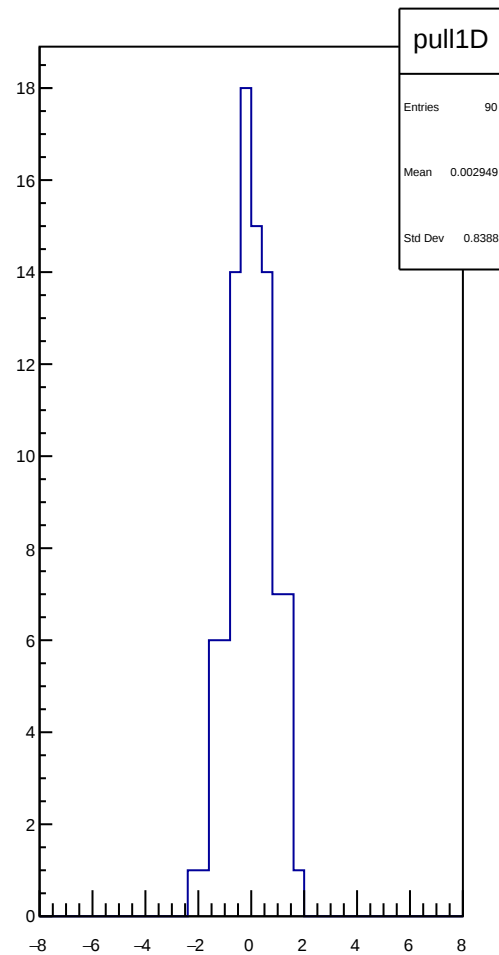
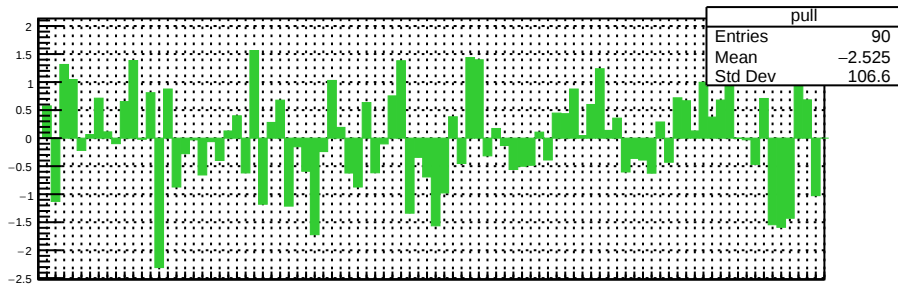
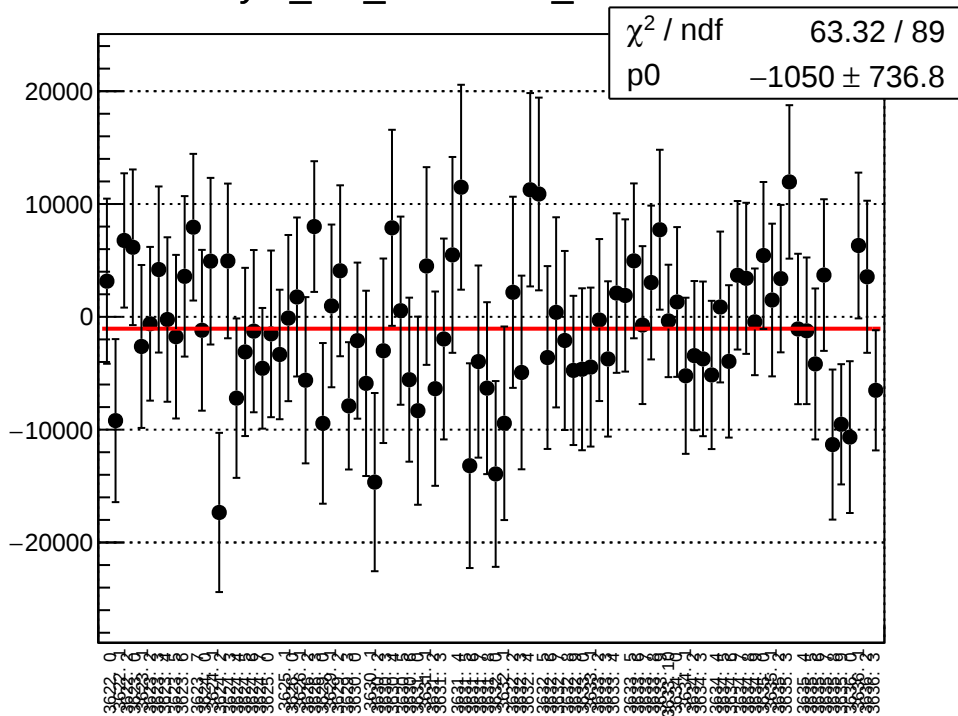
asym_usl_rms vs run



reg_asym_usr_rms vs run

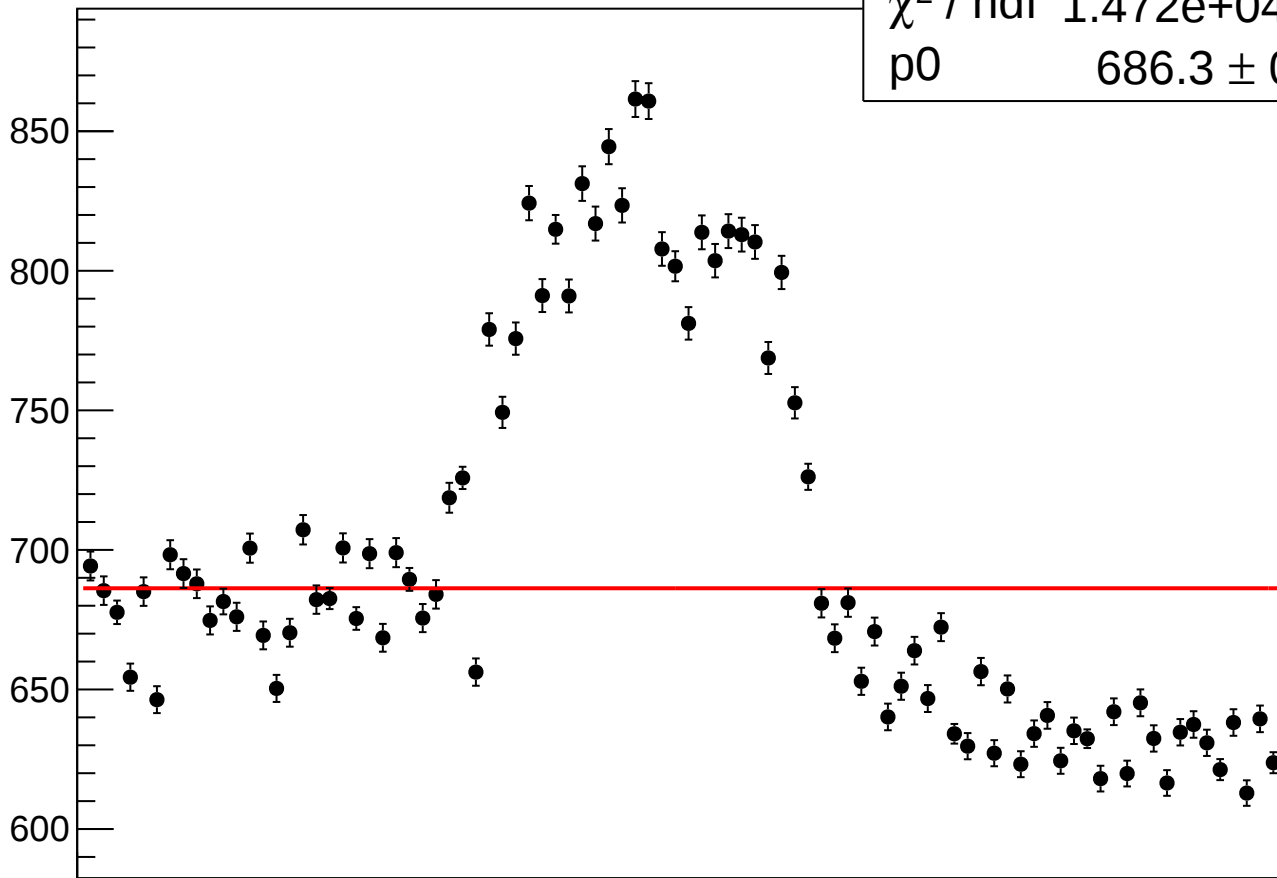


asym_usr_correction_mean vs run

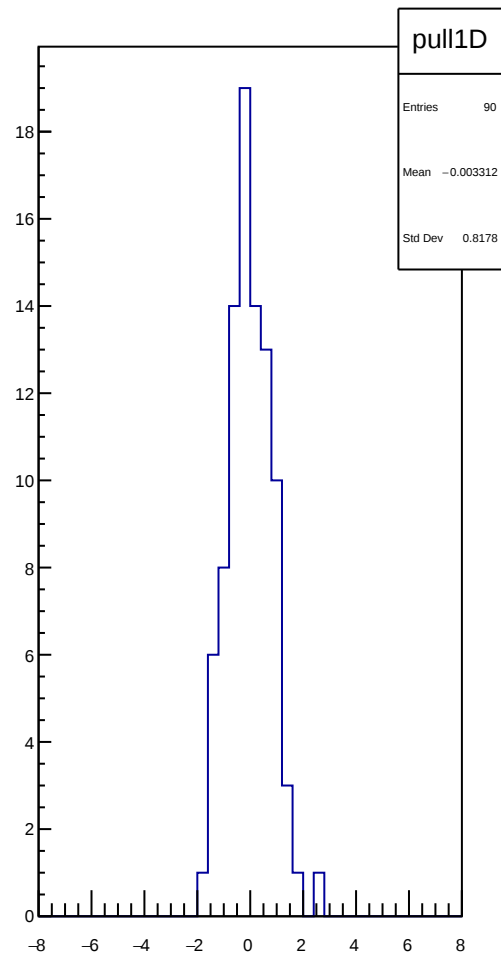
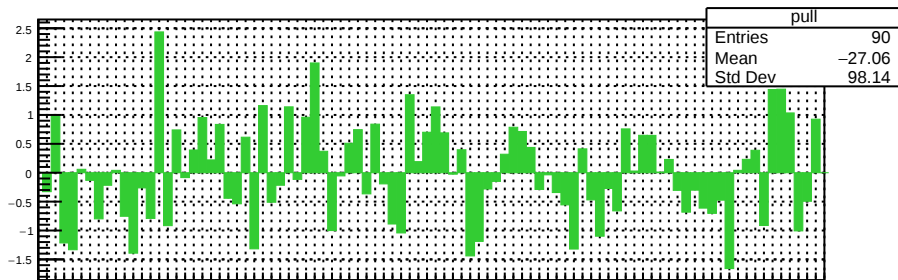
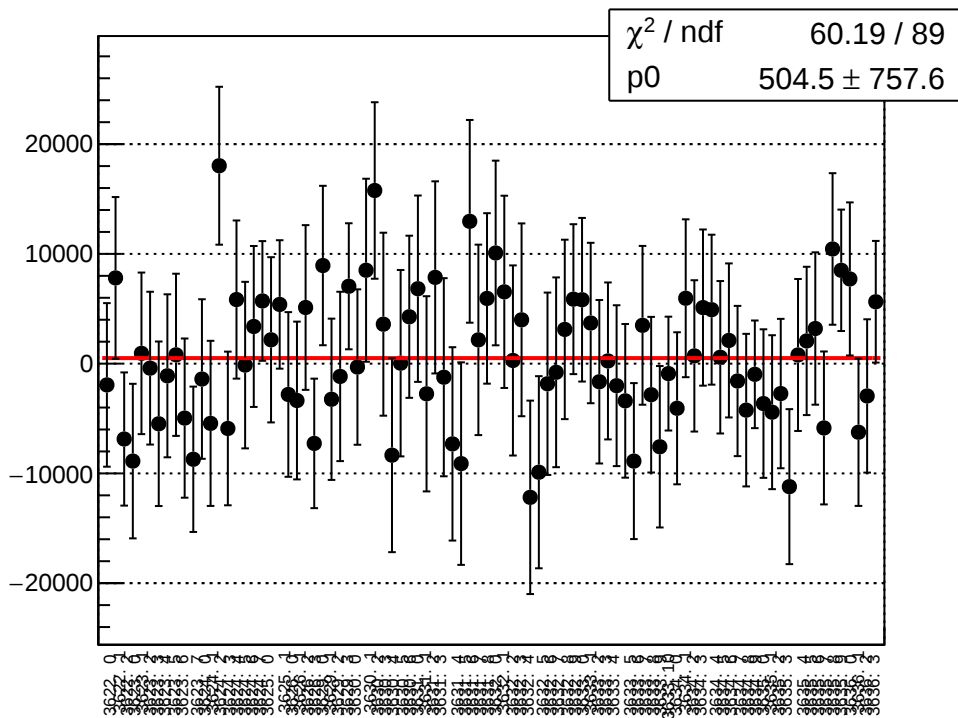


asym_usr_correction_rms vs run

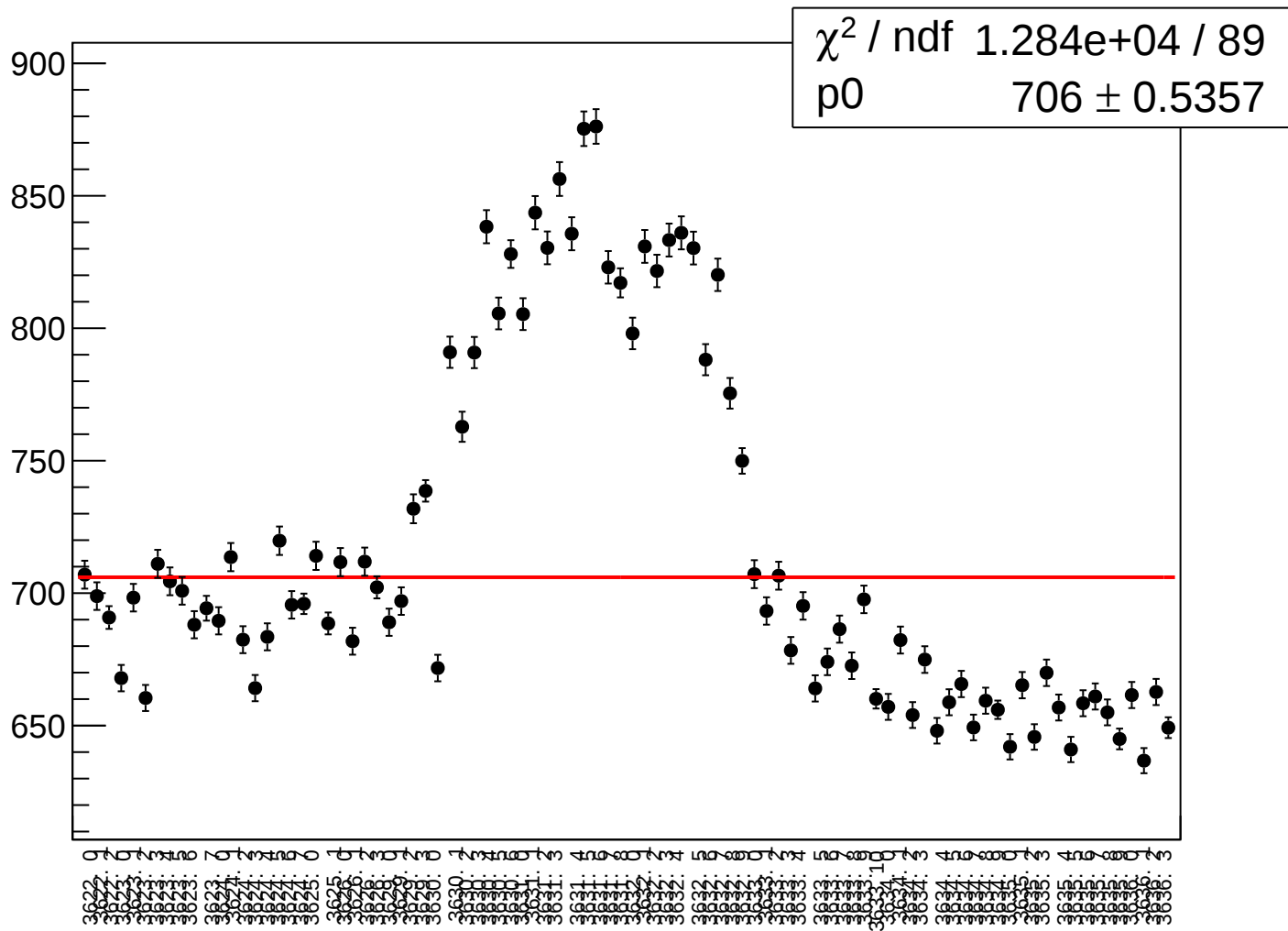
χ^2 / ndf 1.472e+04 / 89
p0 686.3 $\pm$ 0.521



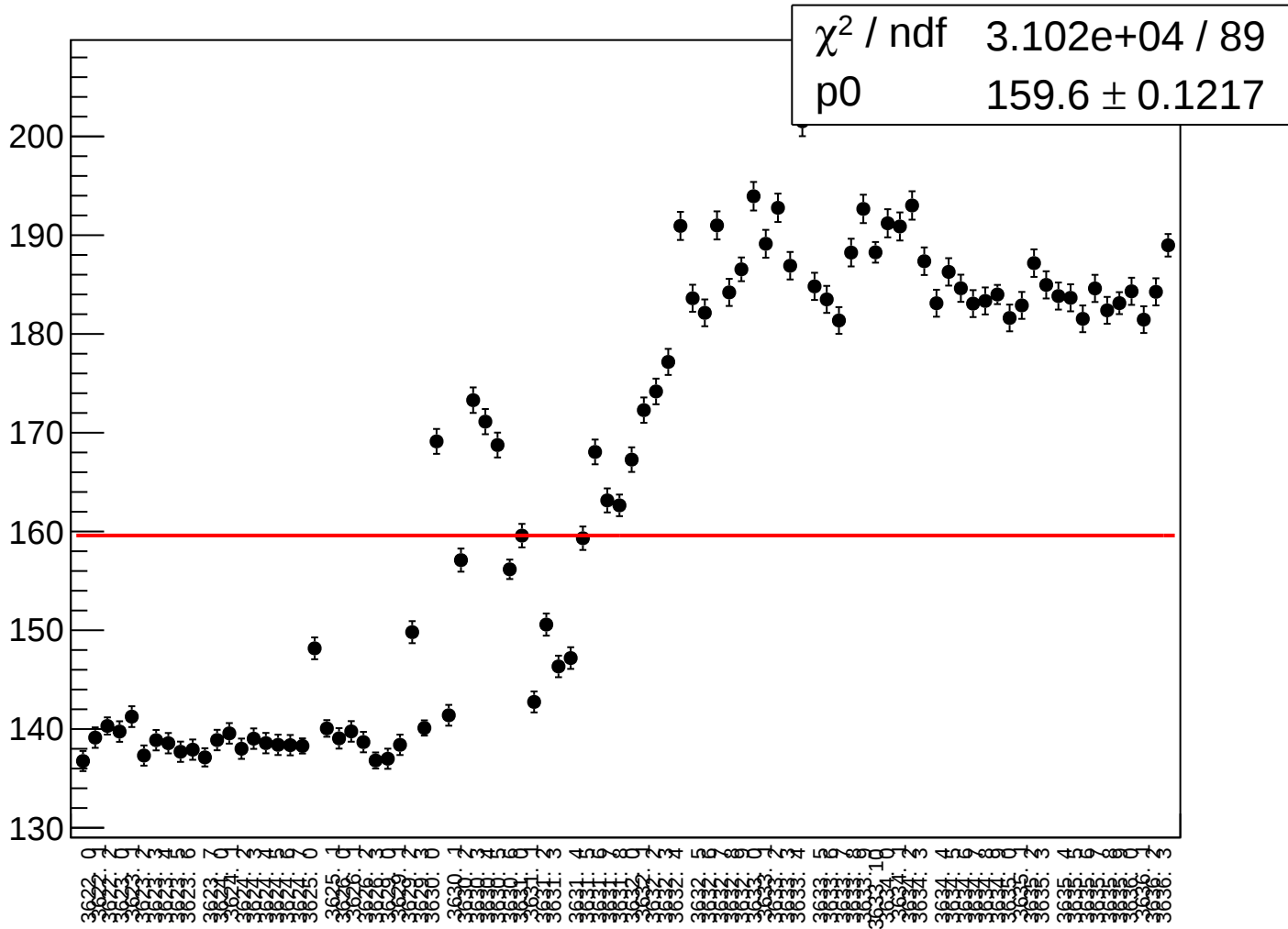
asym_usr_mean vs run



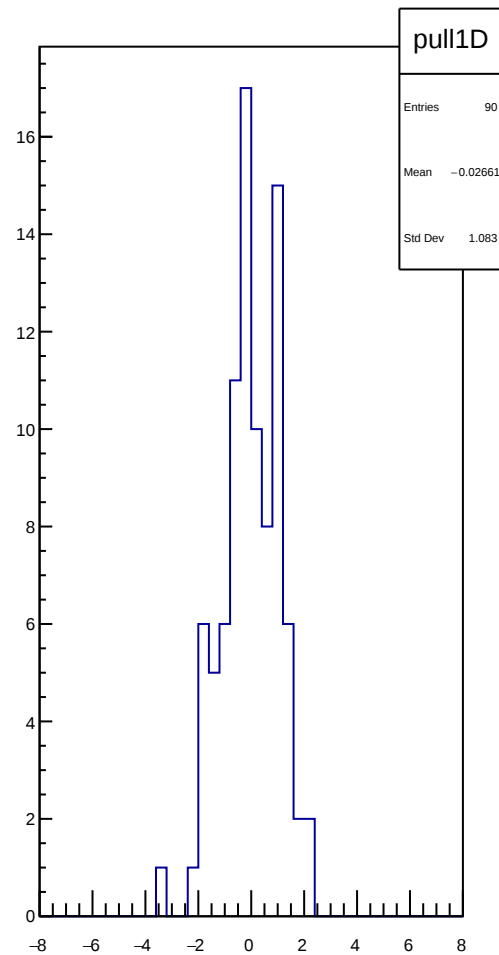
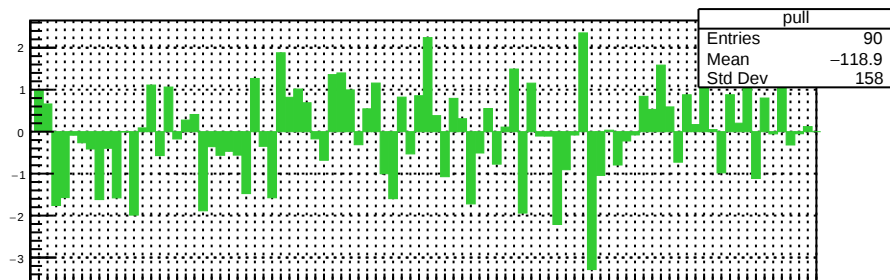
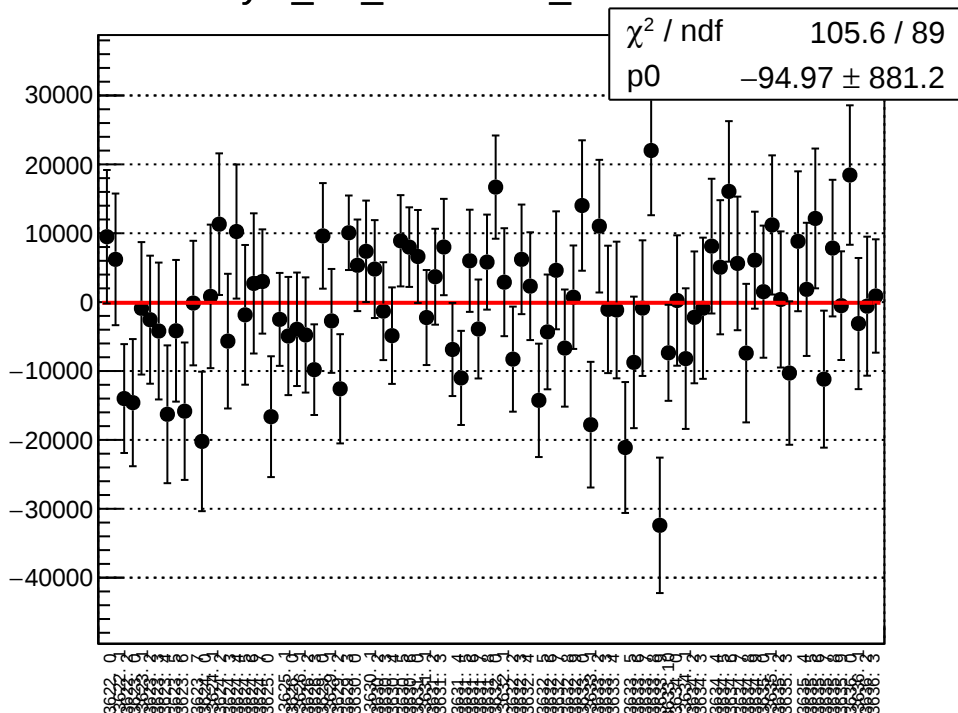
asym_usr_rms vs run



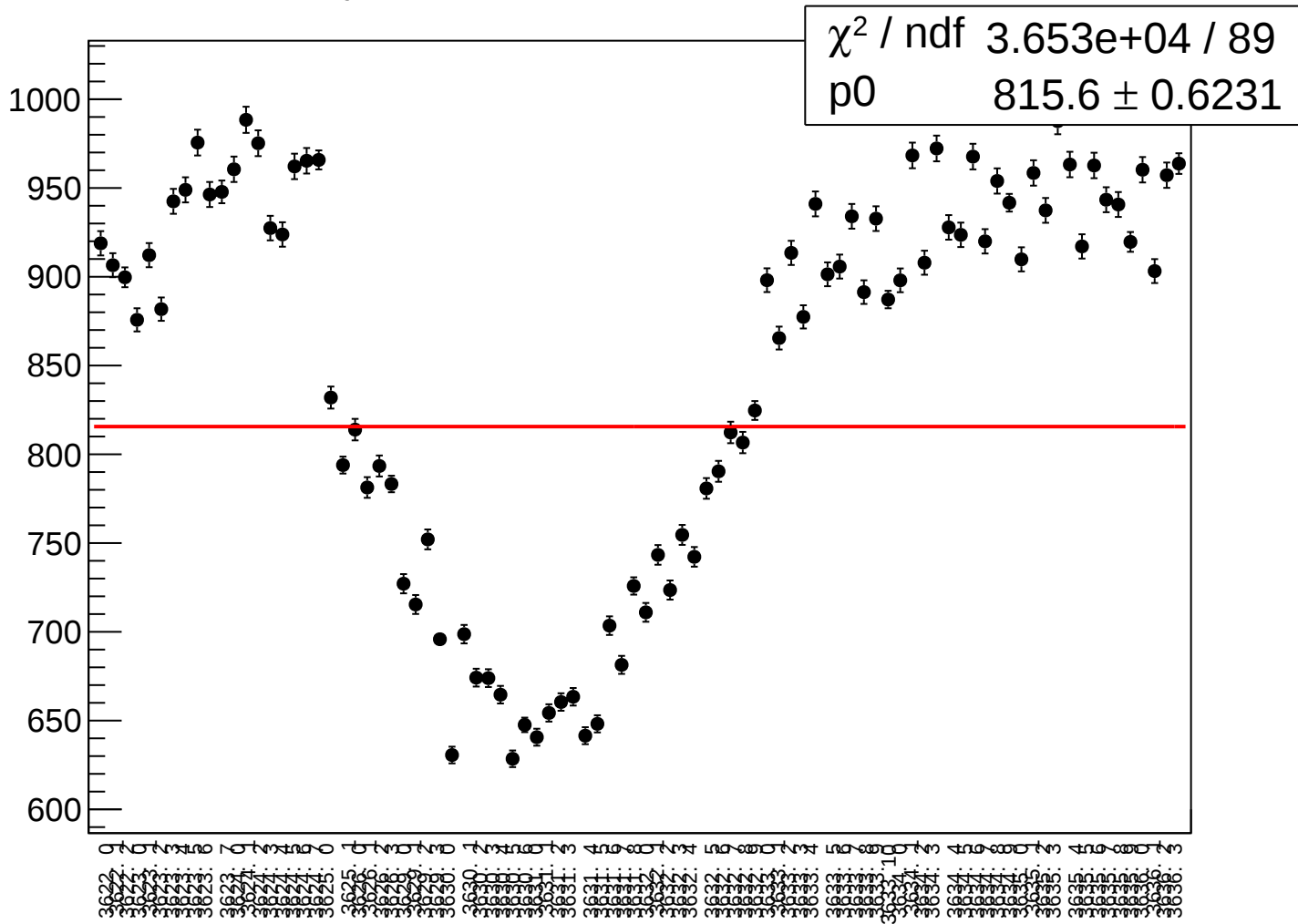
reg_asym_dsl_rms vs run



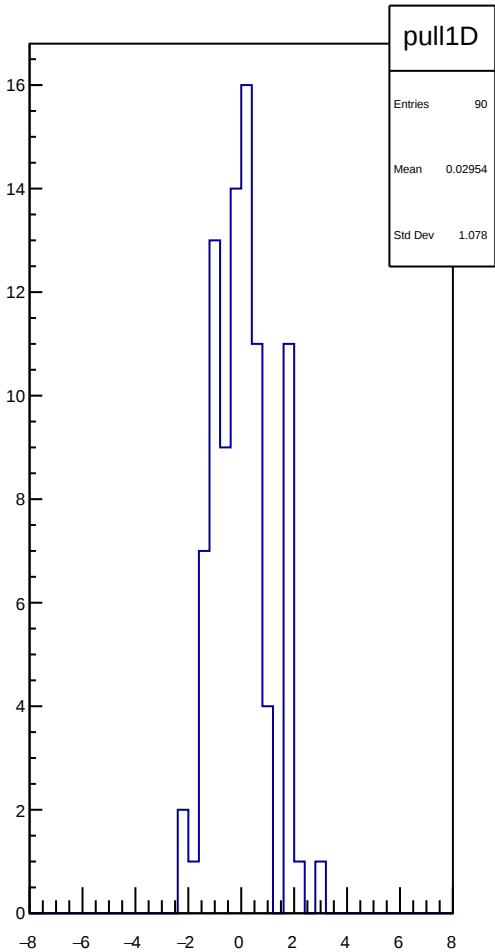
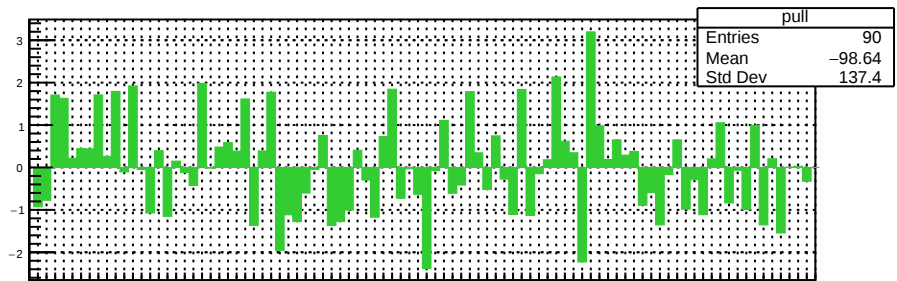
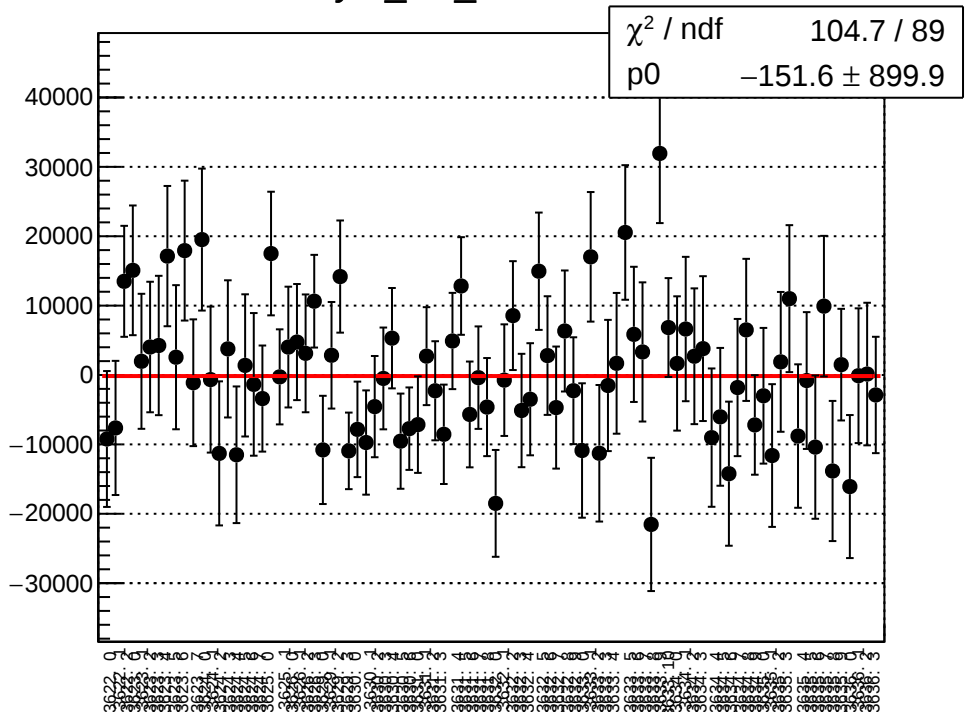
asym_dsl_correction_mean vs run



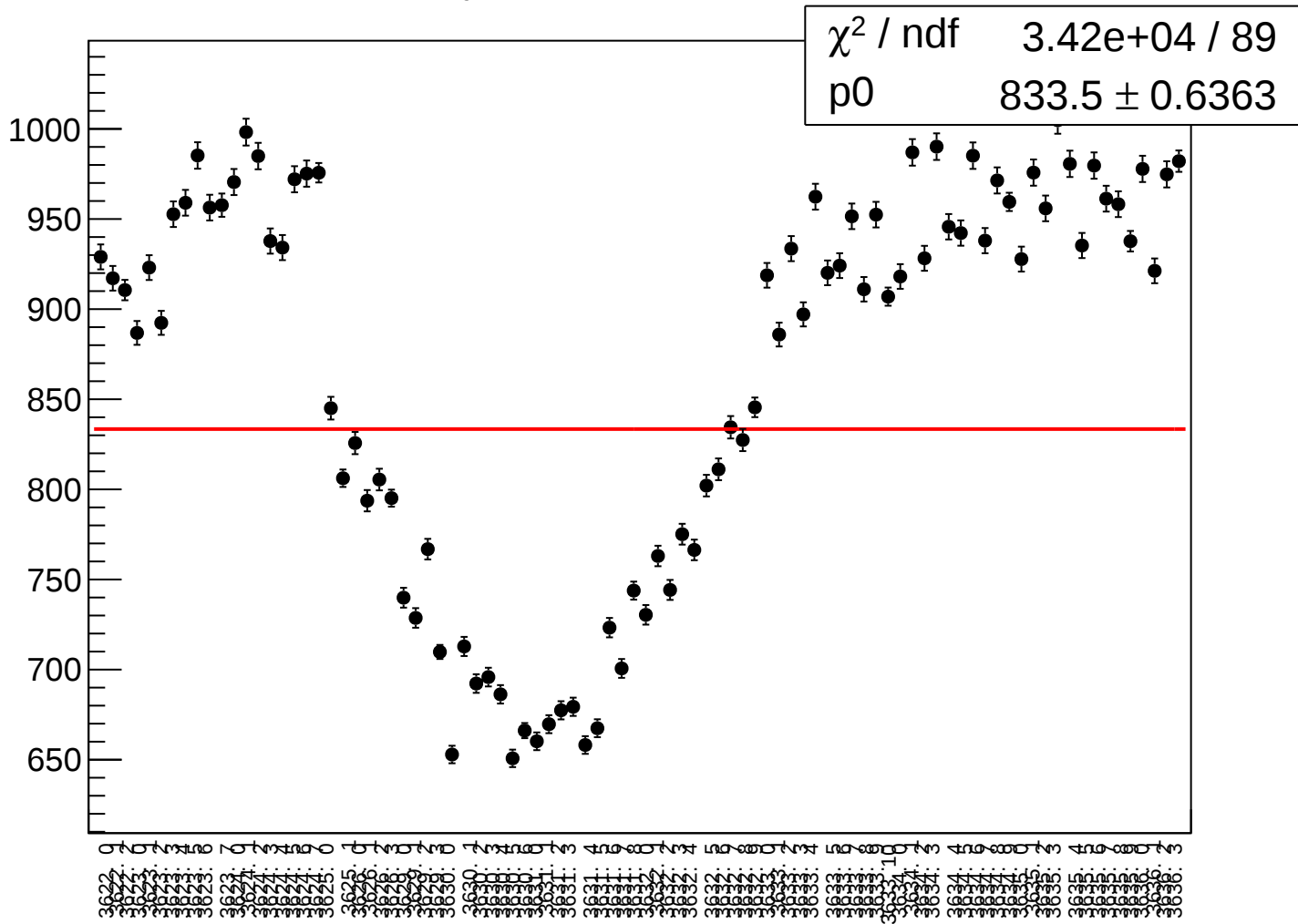
asym_dsl_correction_rms vs run



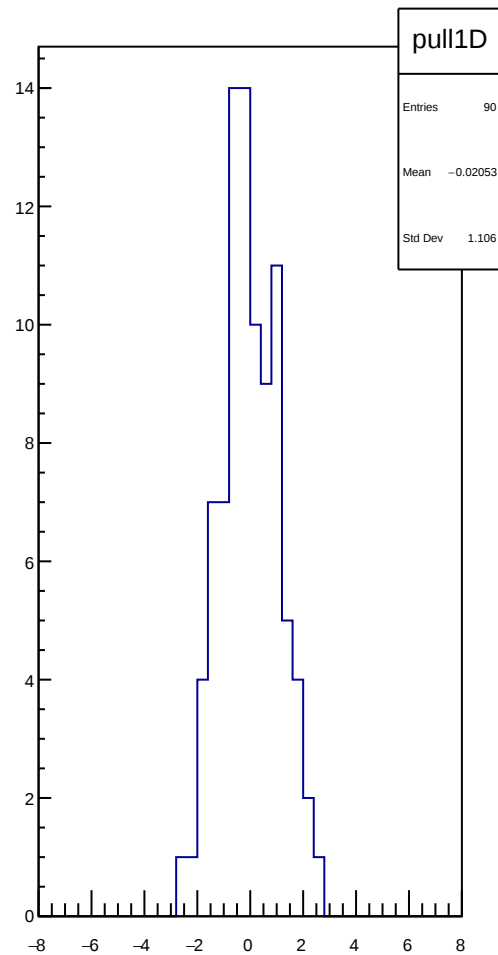
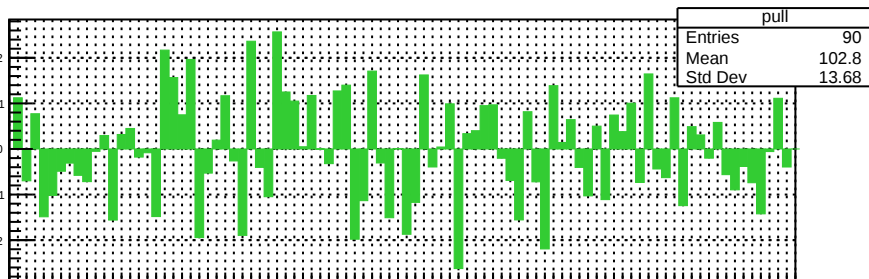
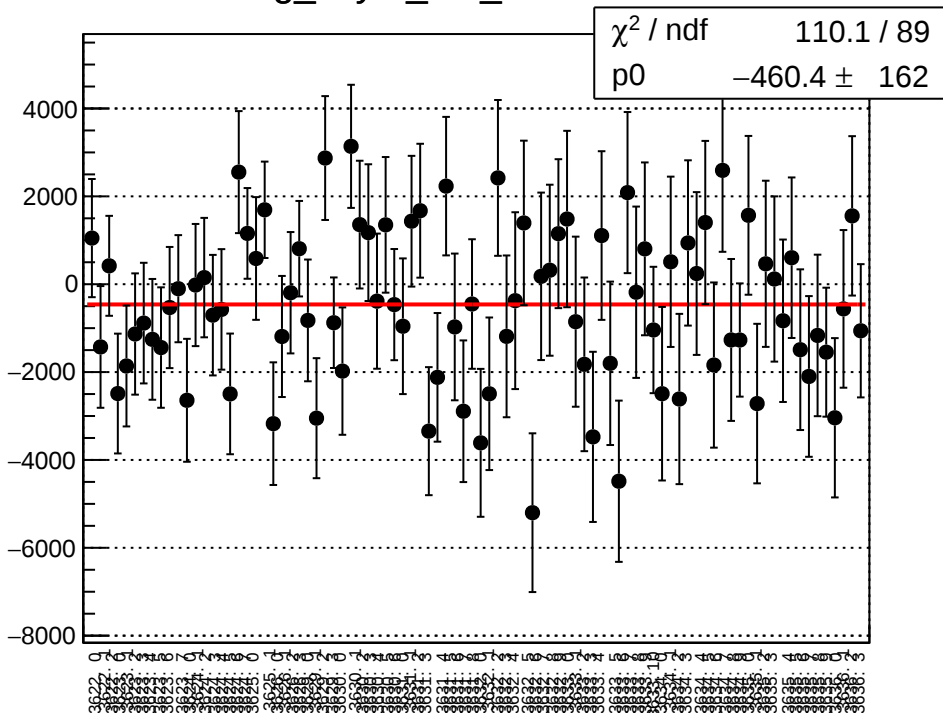
asym_dsl_mean vs run



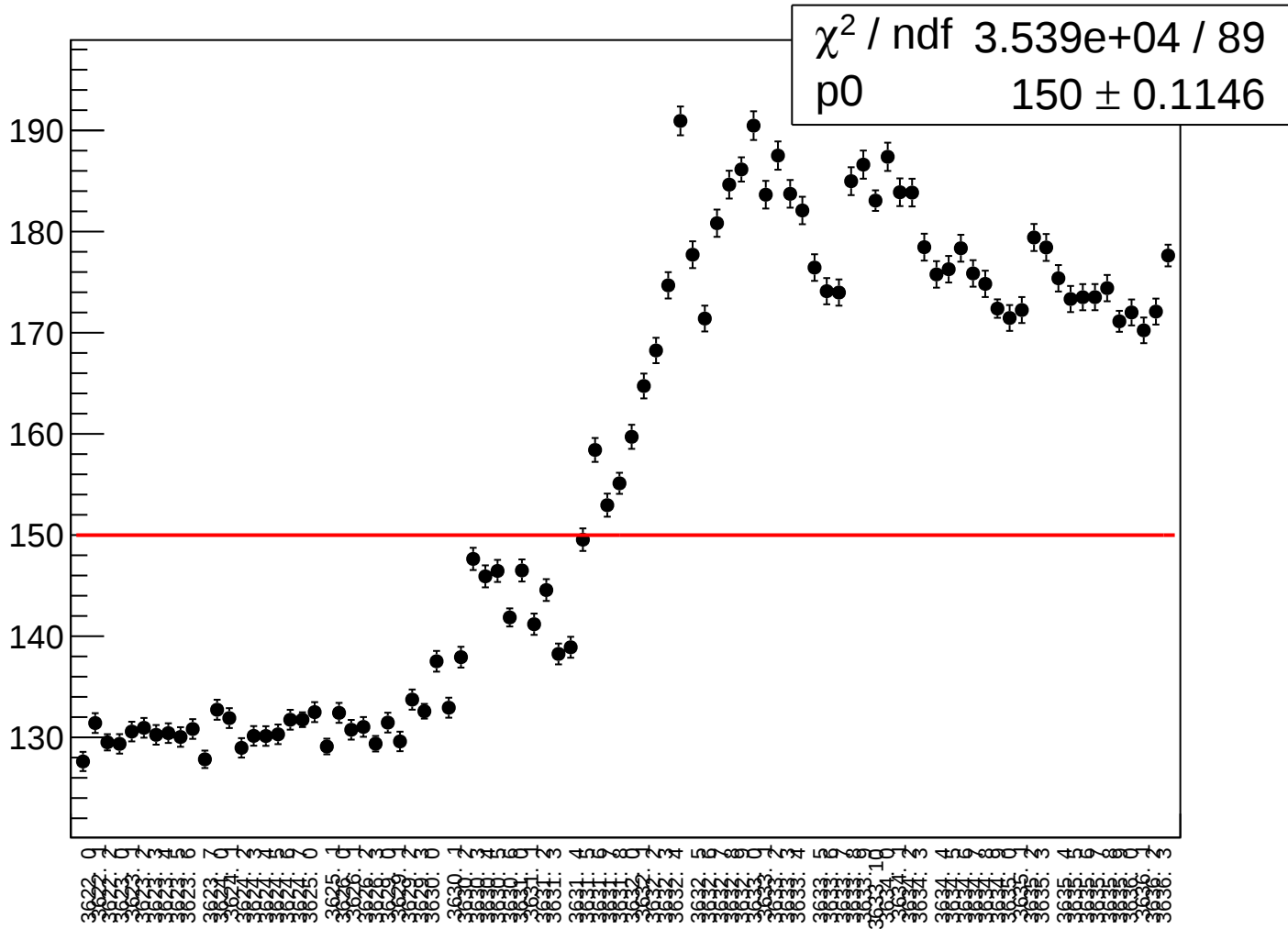
asym_dsl_rms vs run



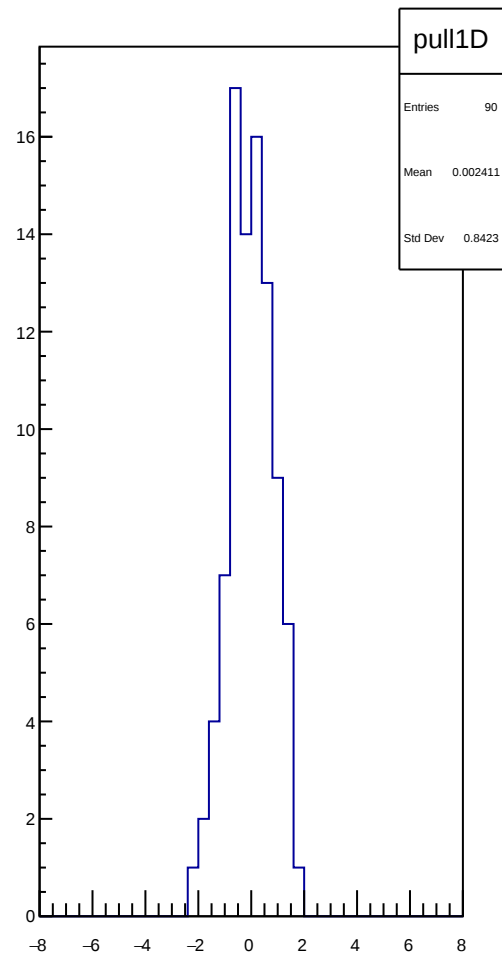
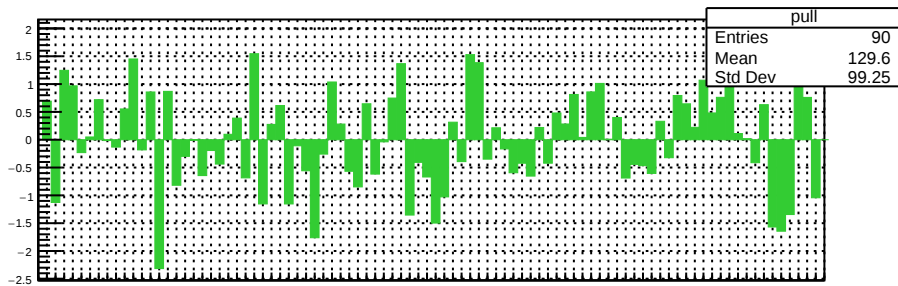
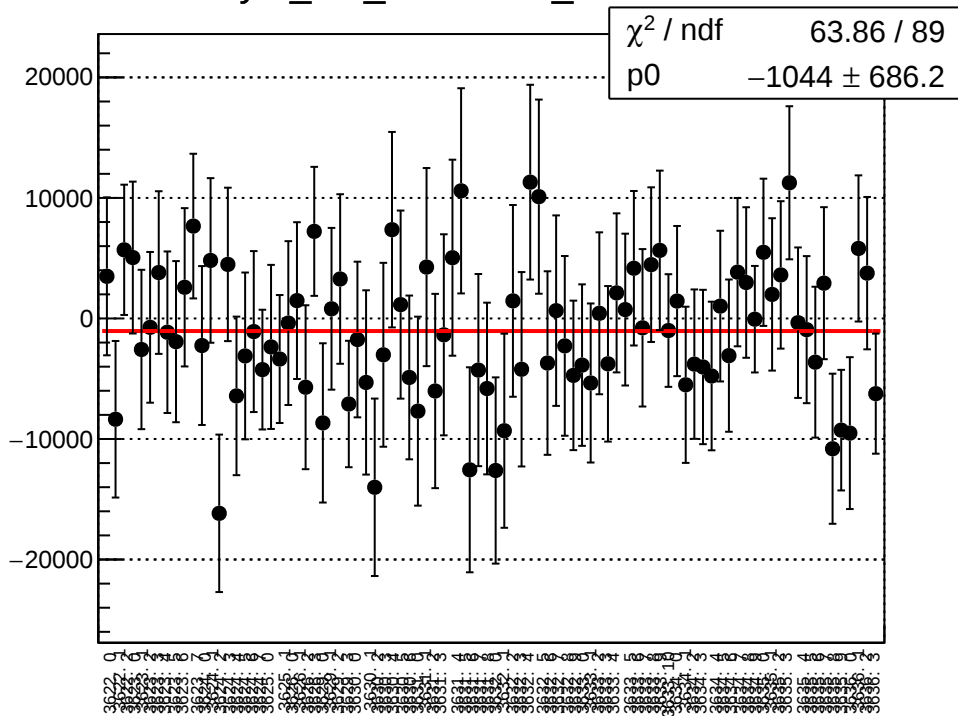
reg_asym_dsr_mean vs run



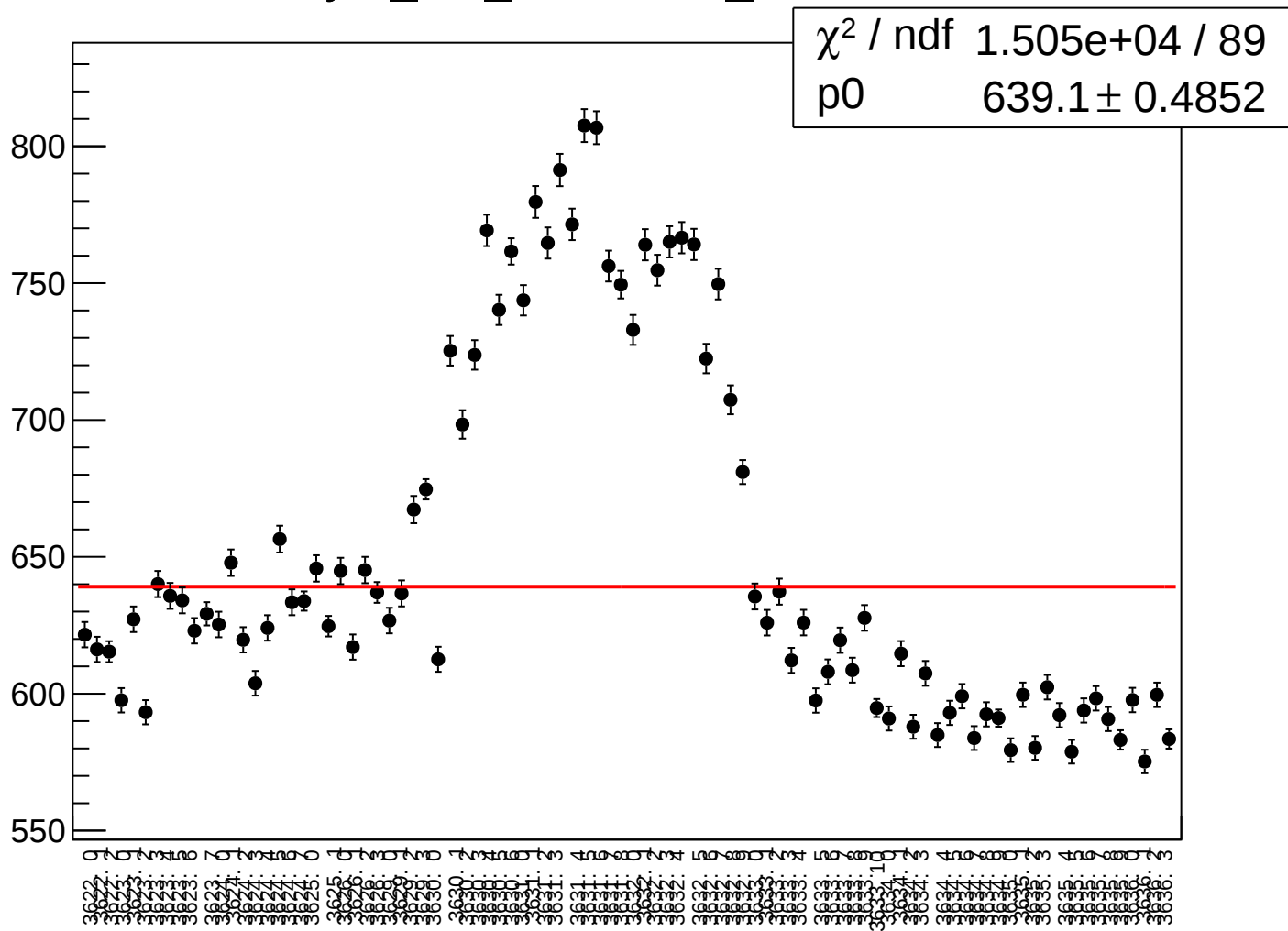
reg_asym_dsr_rms vs run



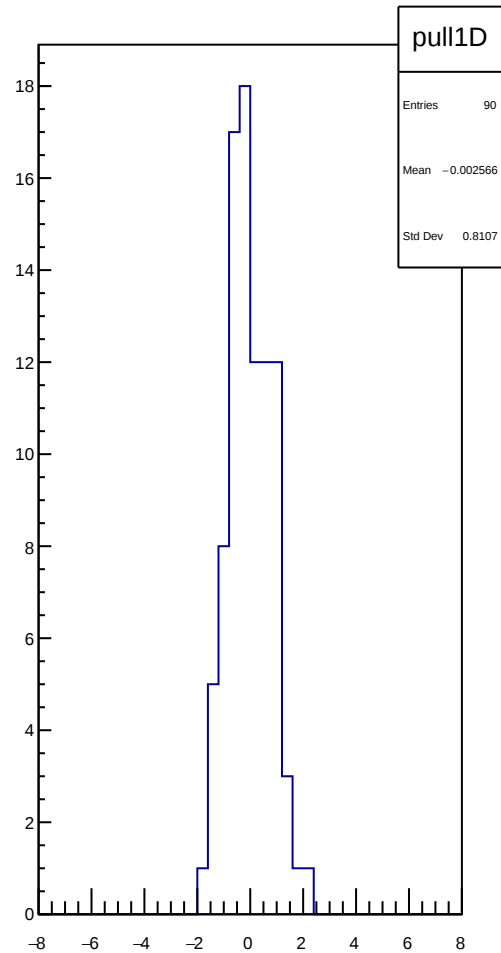
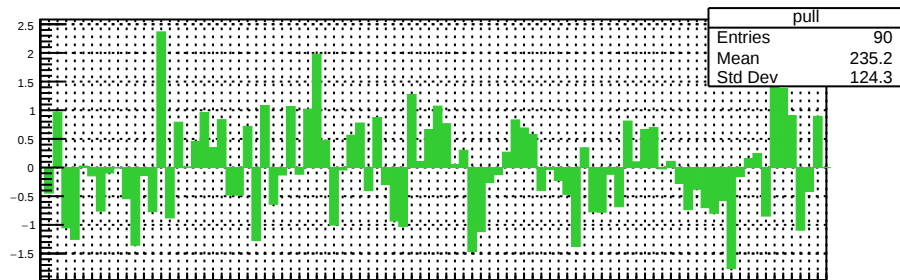
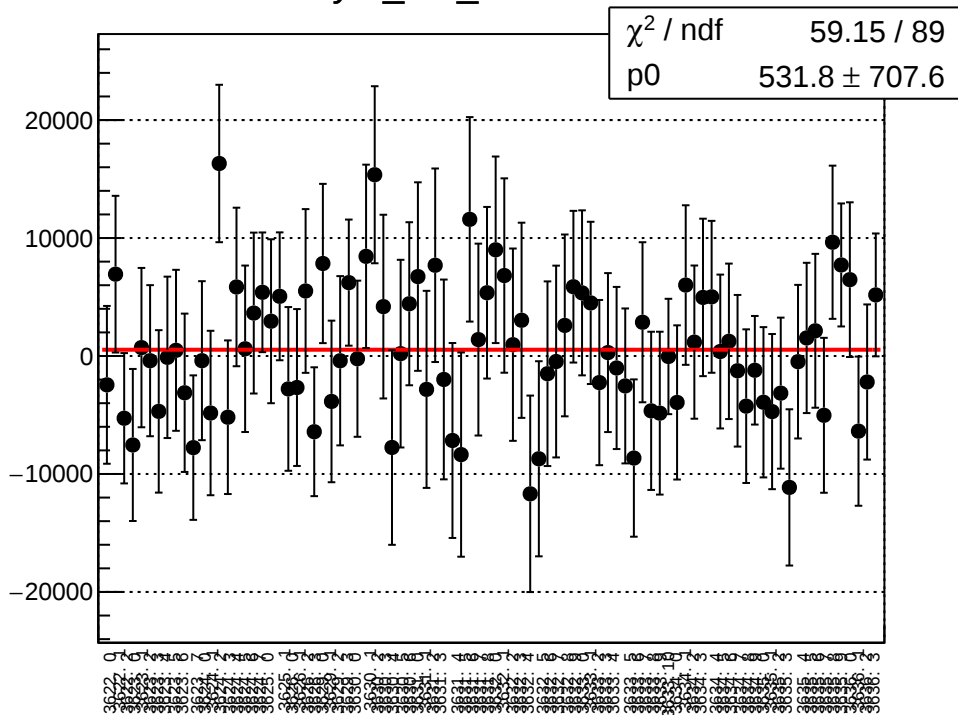
asym_dsr_correction_mean vs run



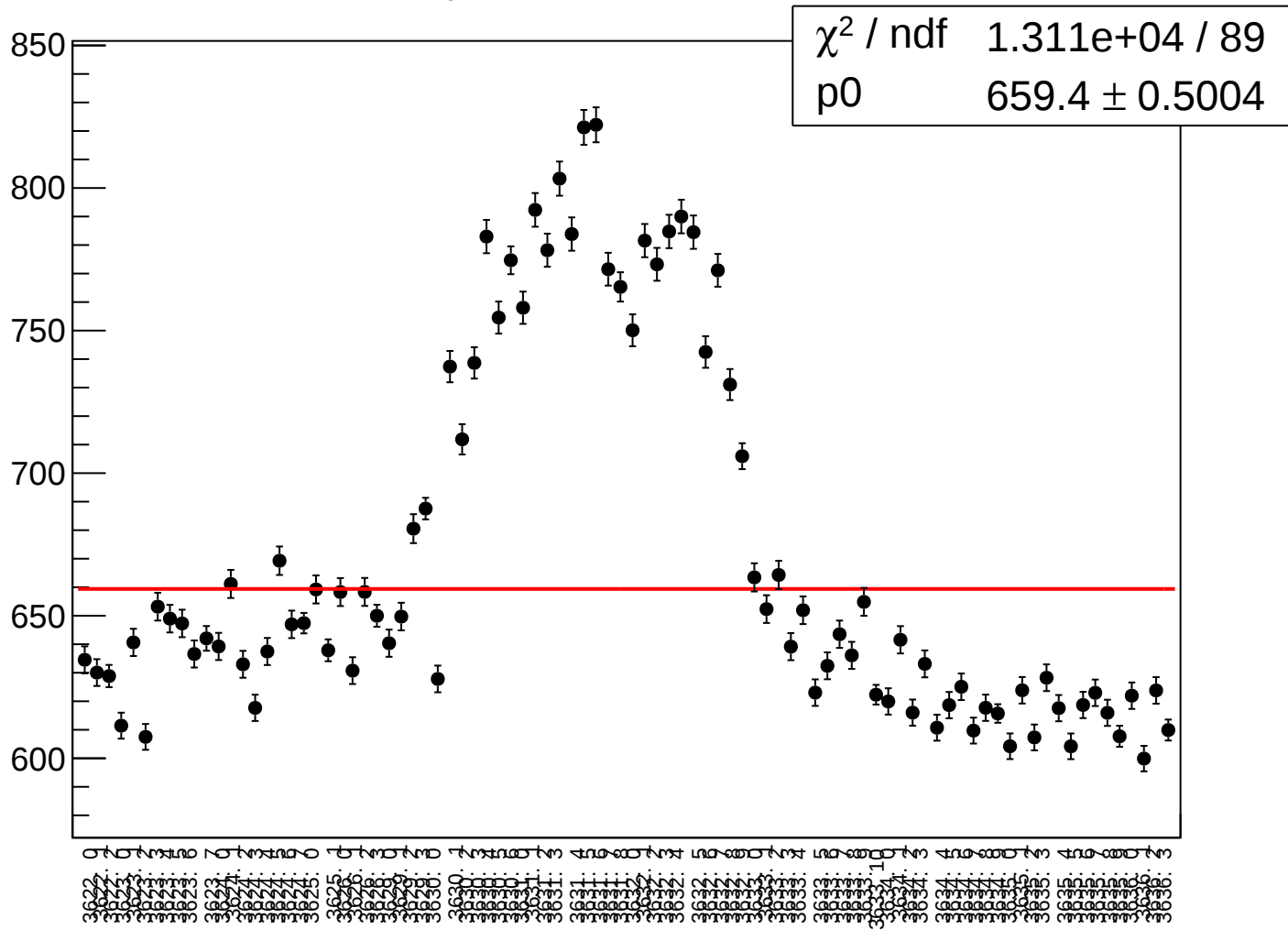
asym_dsr_correction_rms vs run



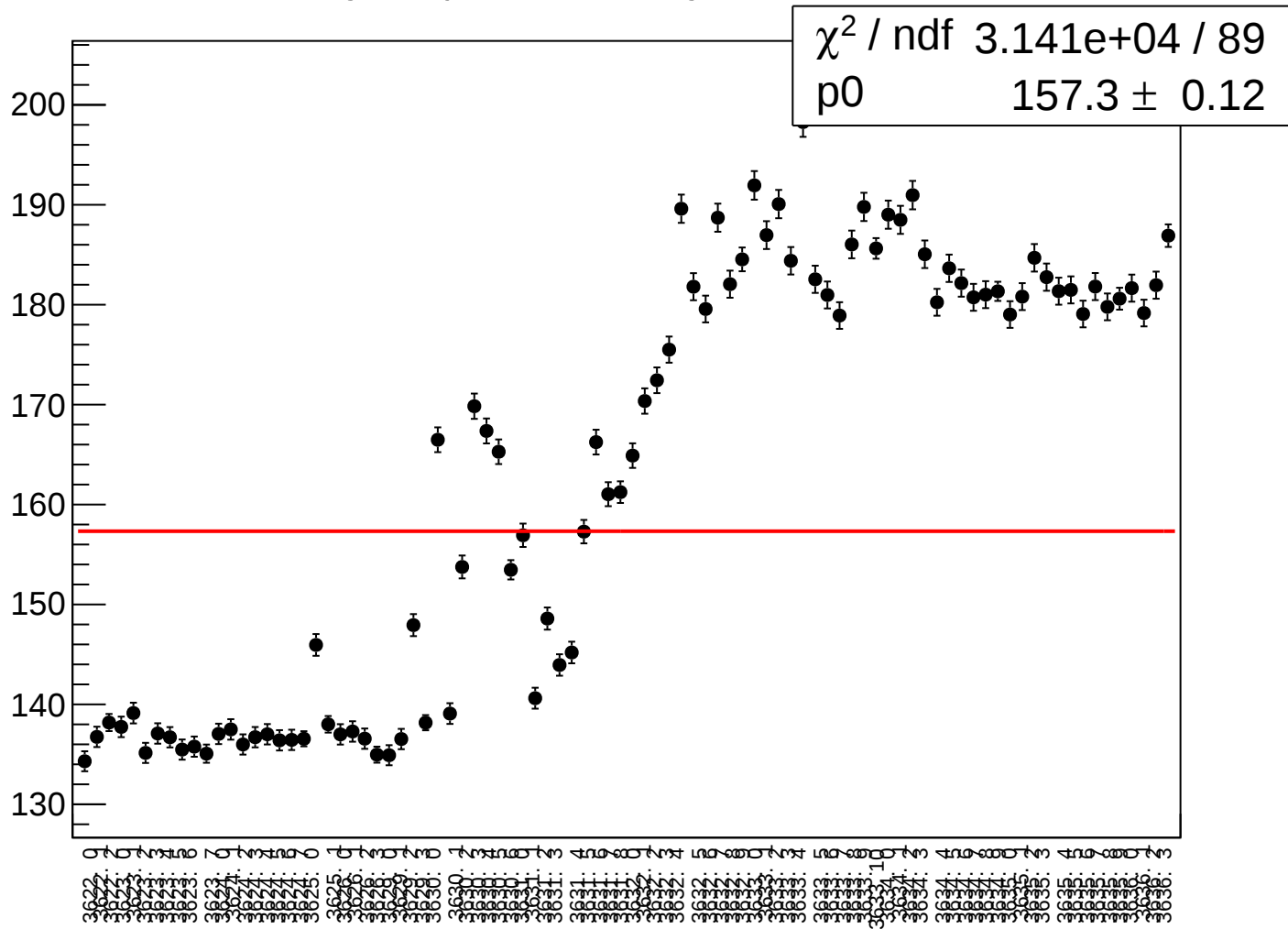
asym_dsr_mean vs run



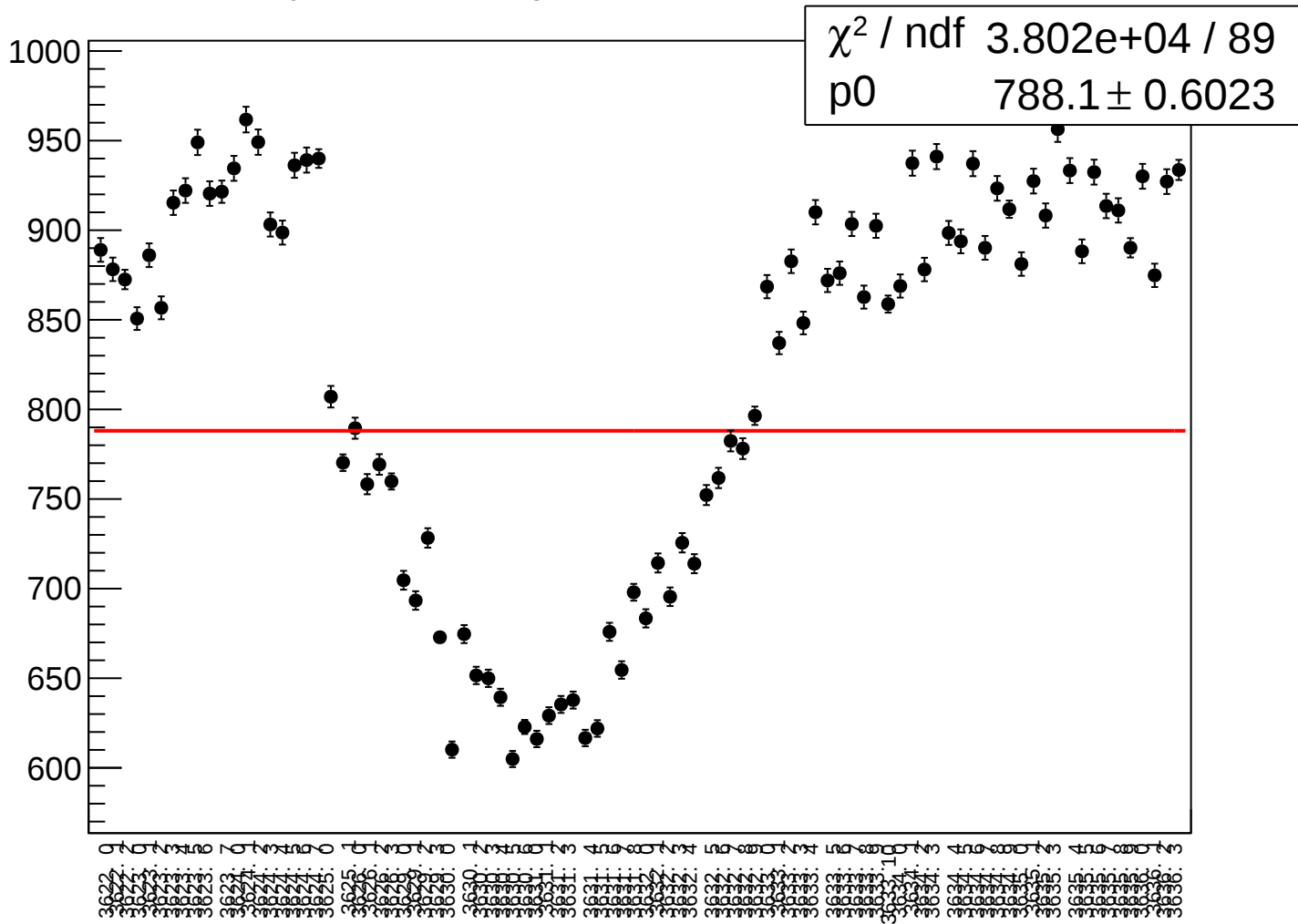
asym_dsr_rms vs run



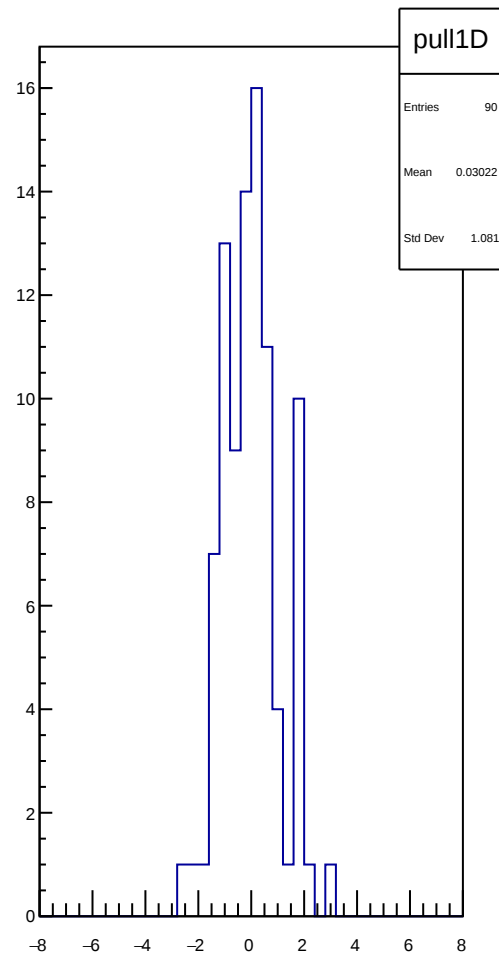
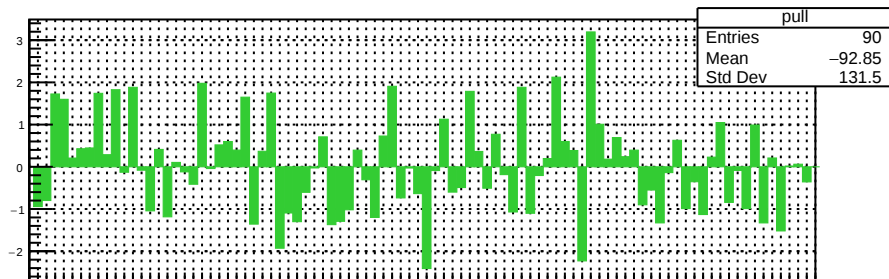
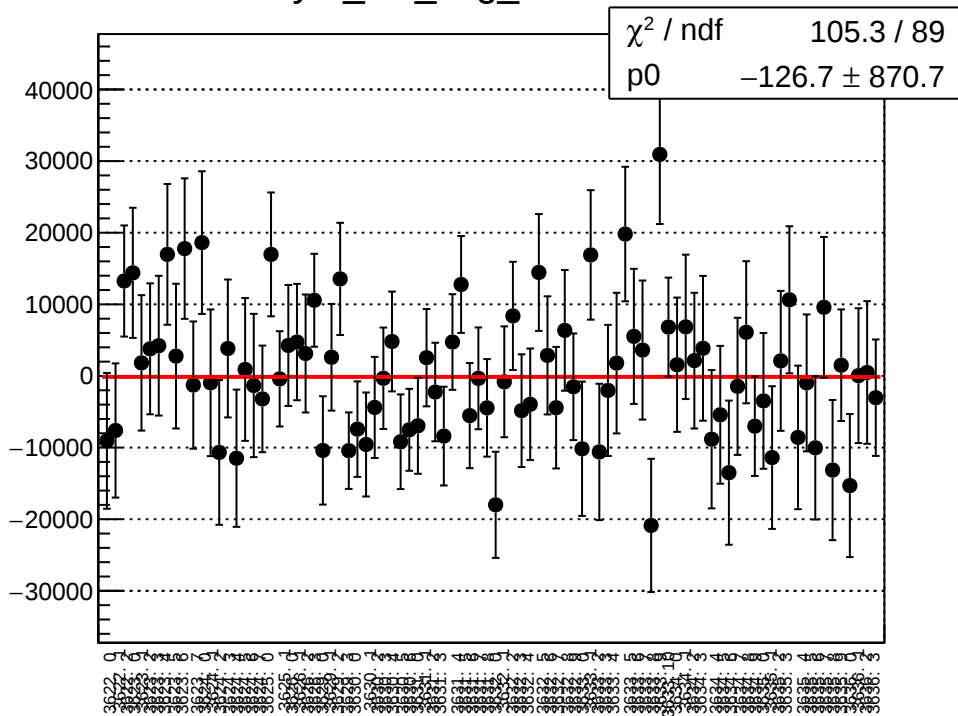
reg_asym_left_avg_rms vs run



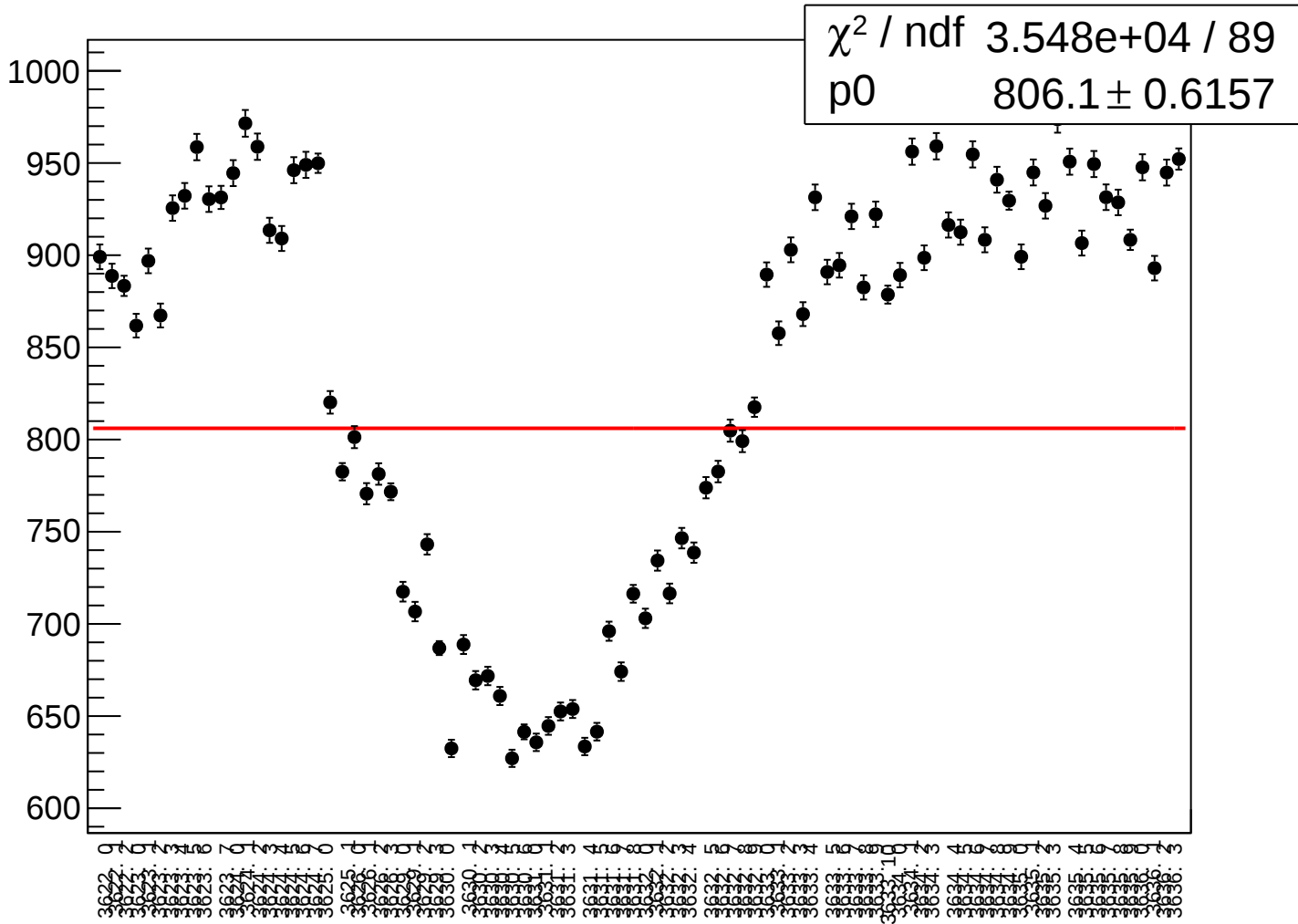
asym_left_avg_correction_rms vs run



asym_left_avg_mean vs run

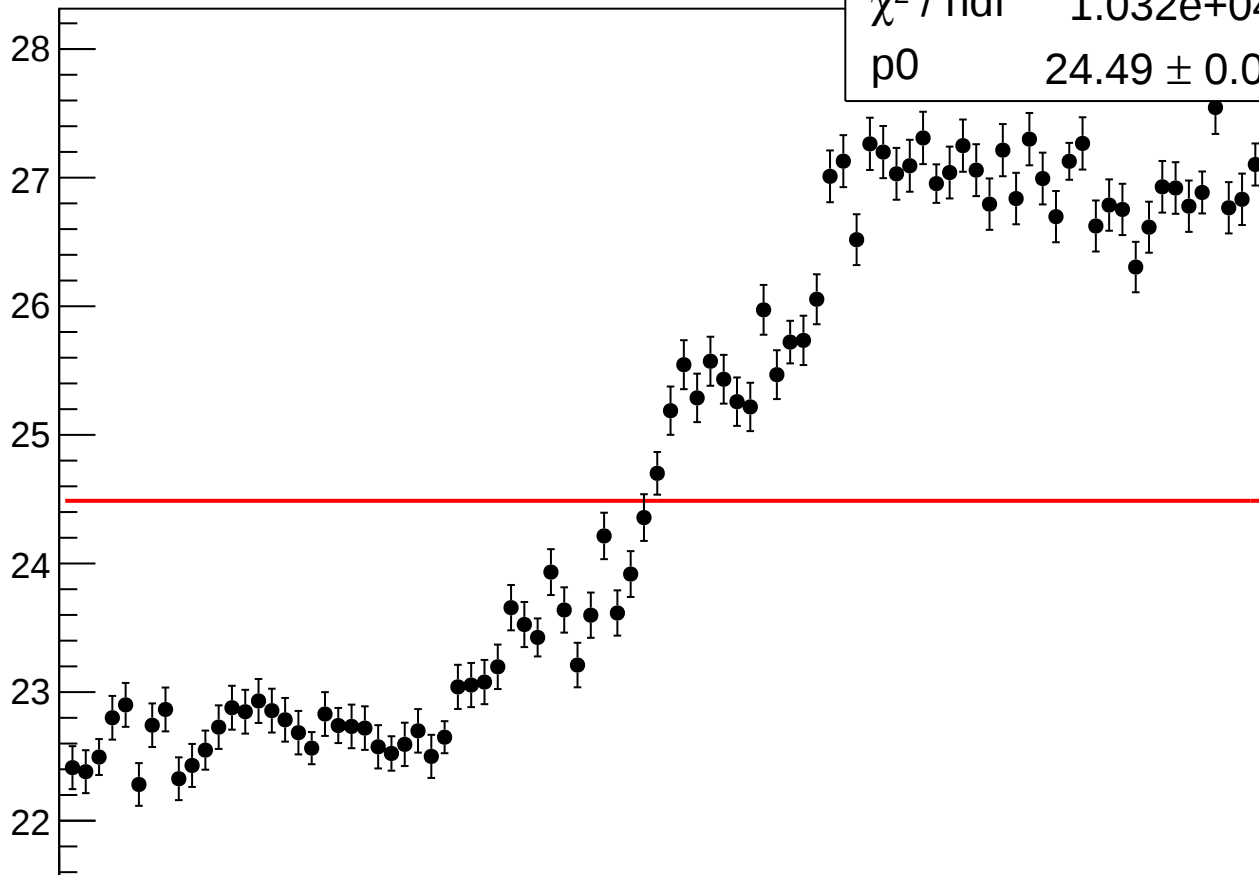


asym_left_avg_rms vs run

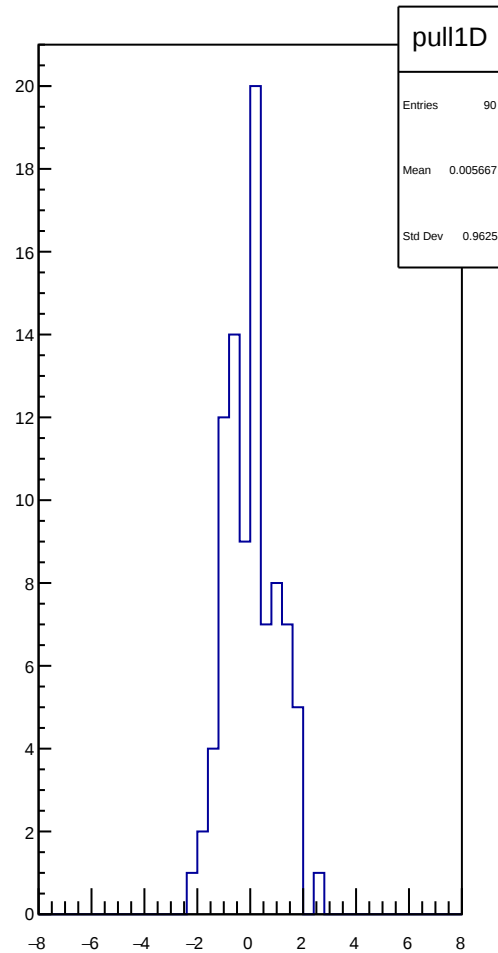
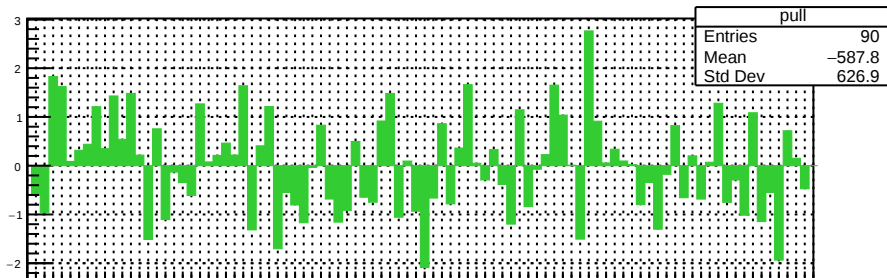
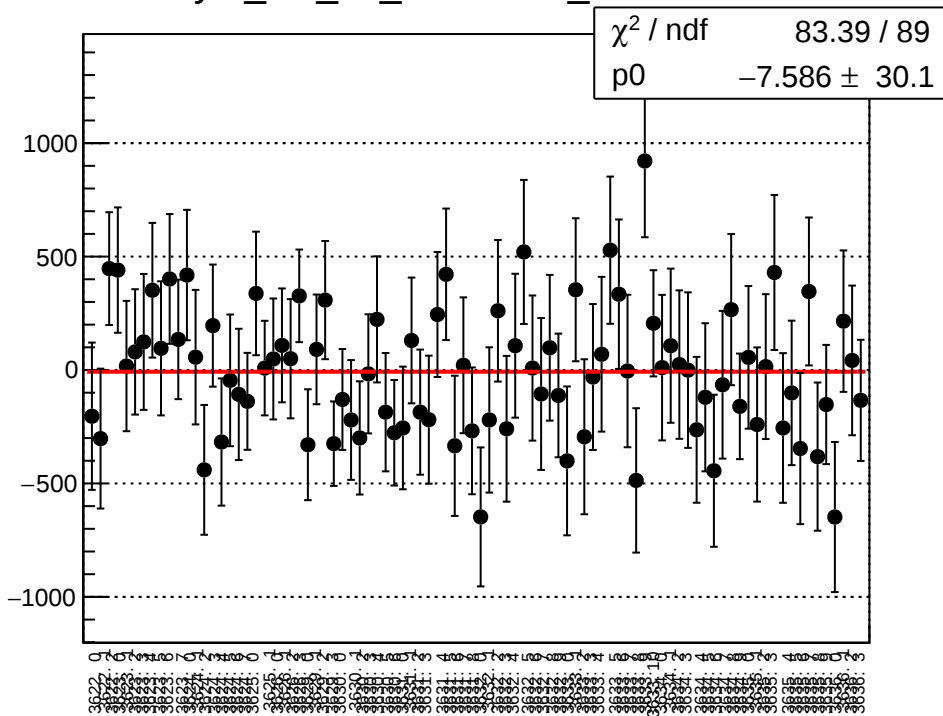


reg_asym_left_dd_rms vs run

χ^2 / ndf 1.032e+04 / 89
p0 24.49 ± 0.01857

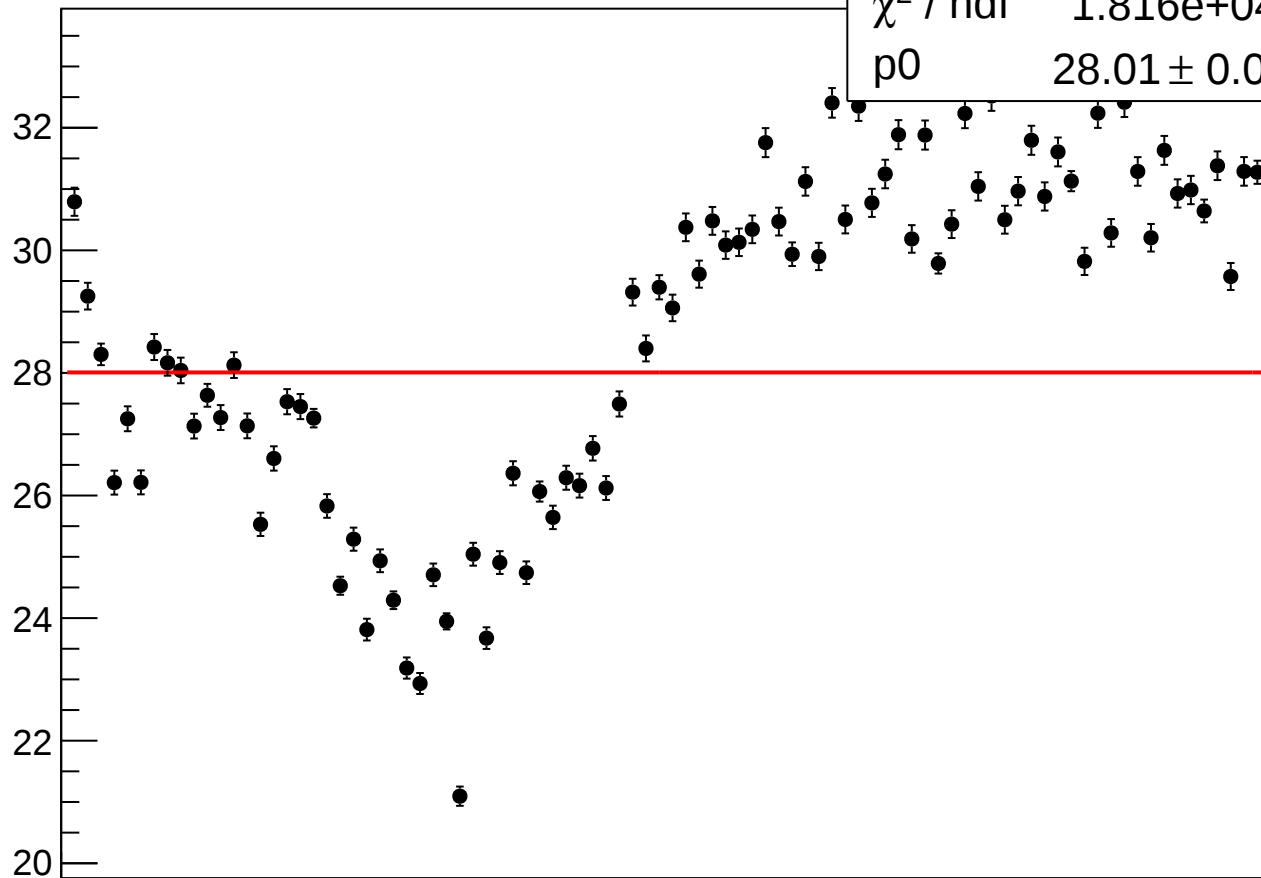


asym_left_dd_correction_mean vs run

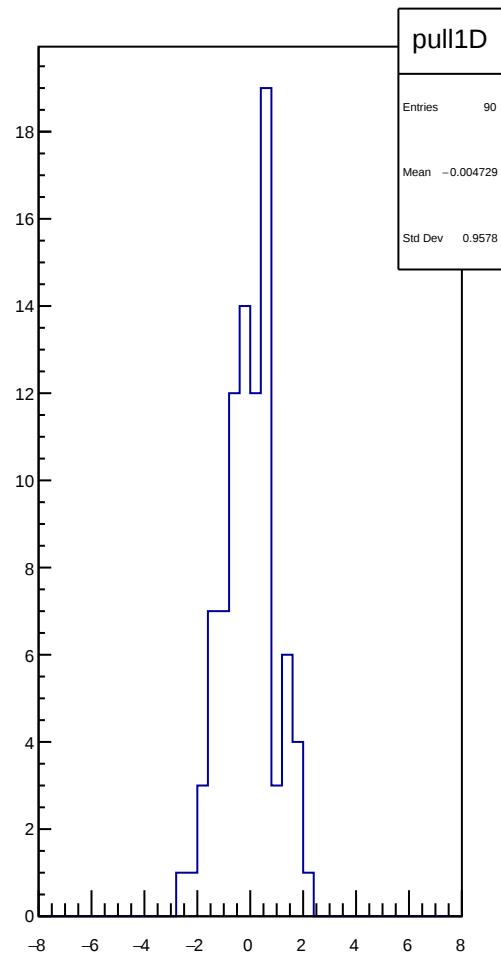
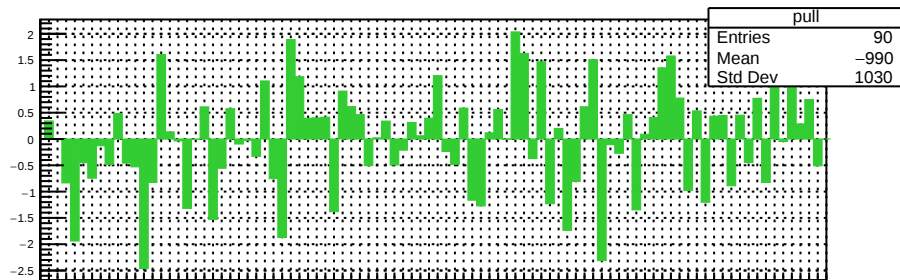
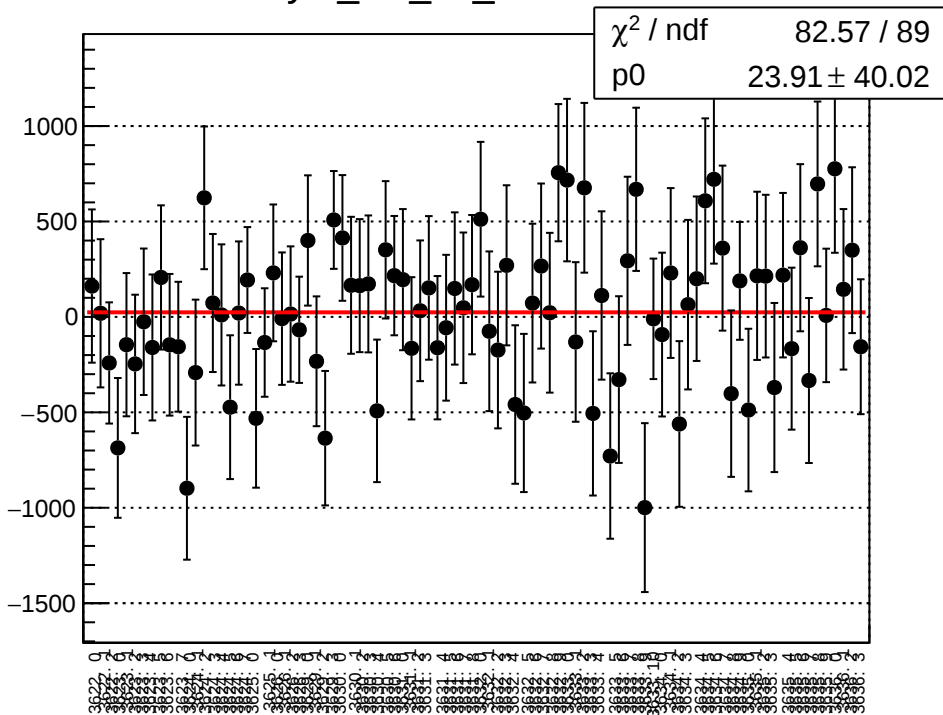


asym_left_dd_correction_rms vs run

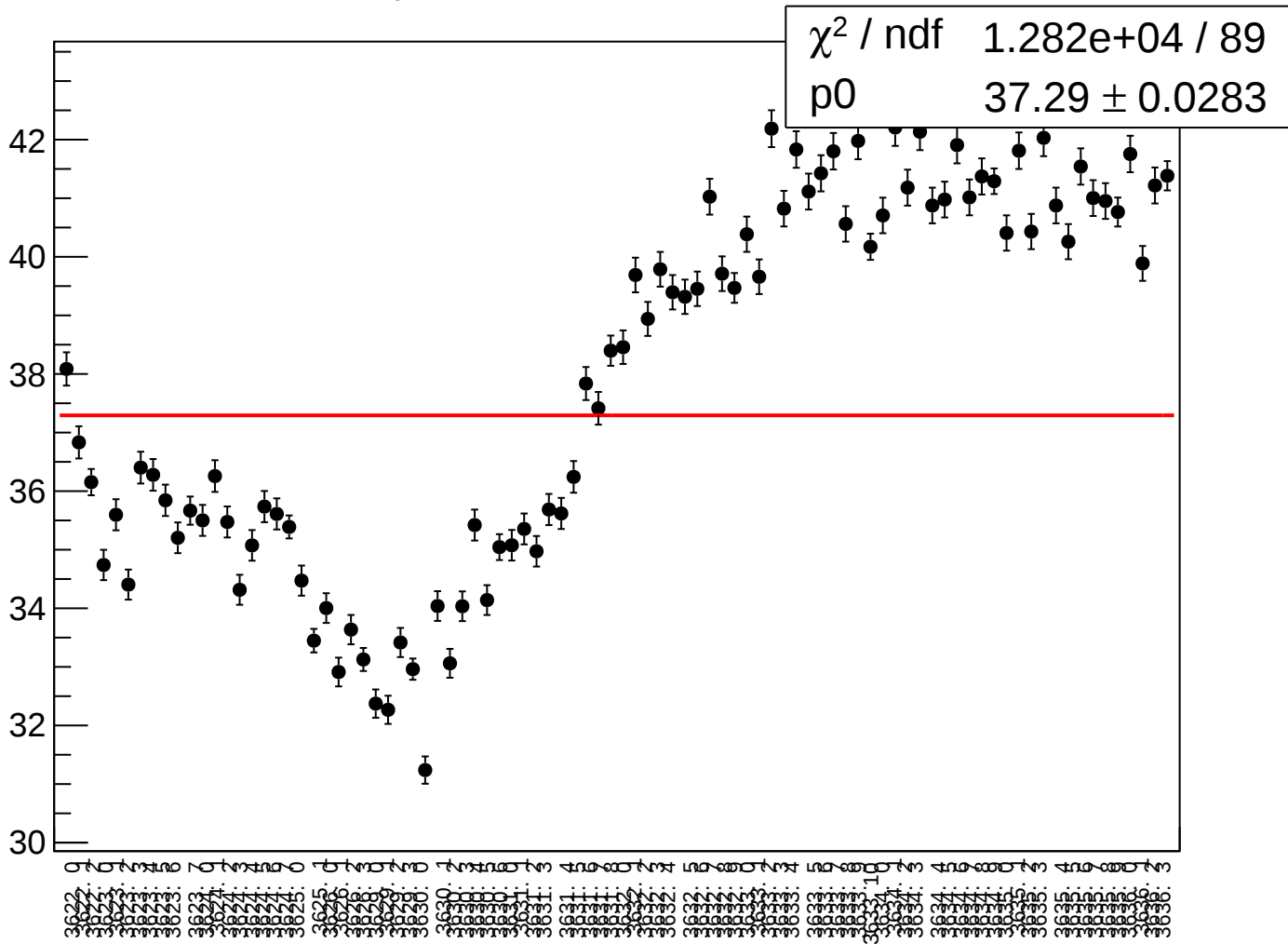
χ^2 / ndf 1.816e+04 / 89
p0 28.01 ± 0.02128



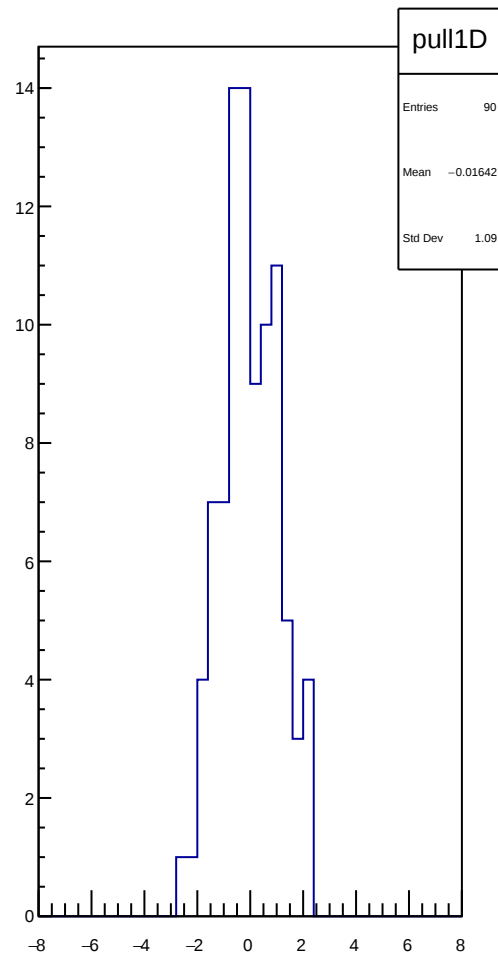
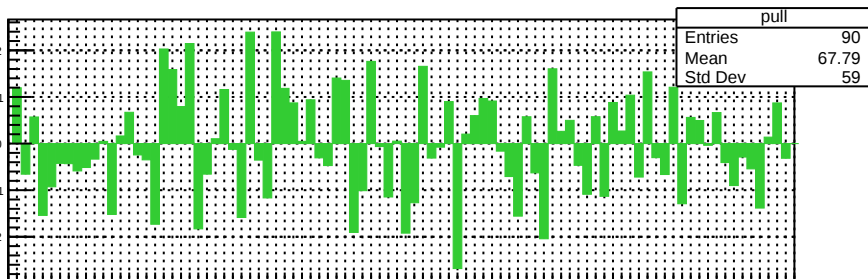
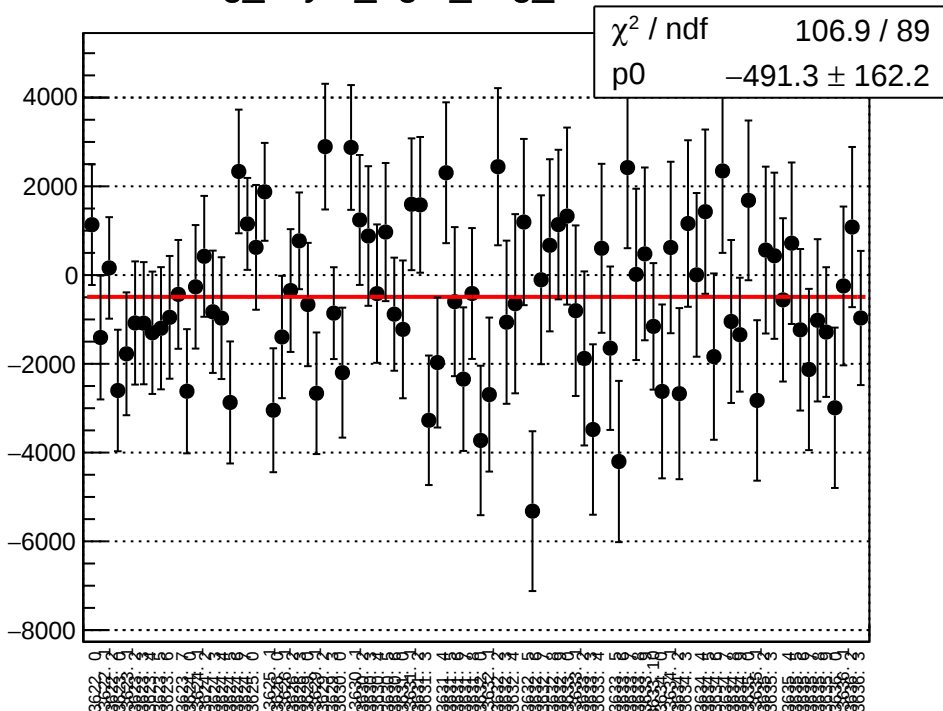
asym_left_dd_mean vs run



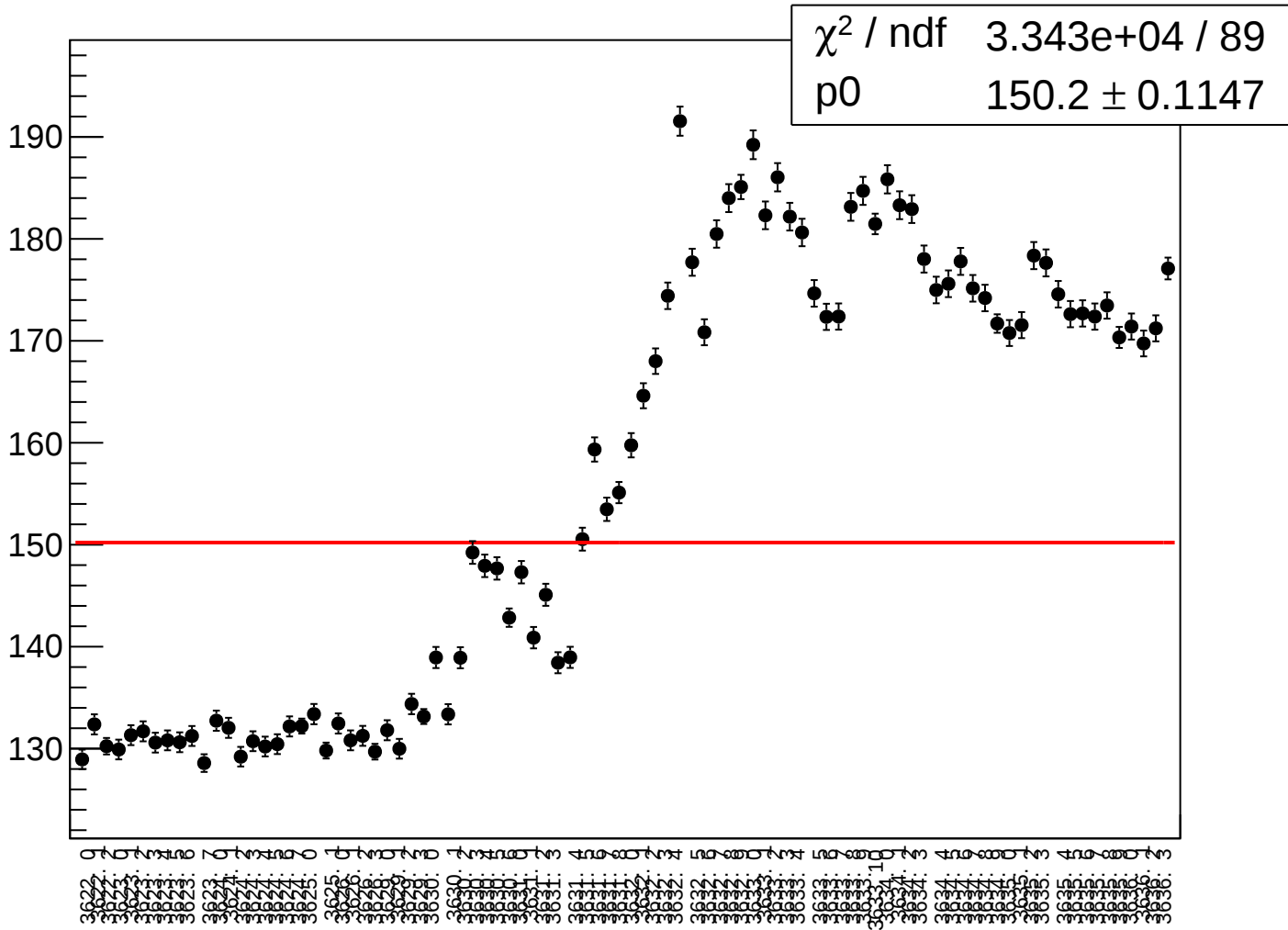
asym_left_dd_rms vs run



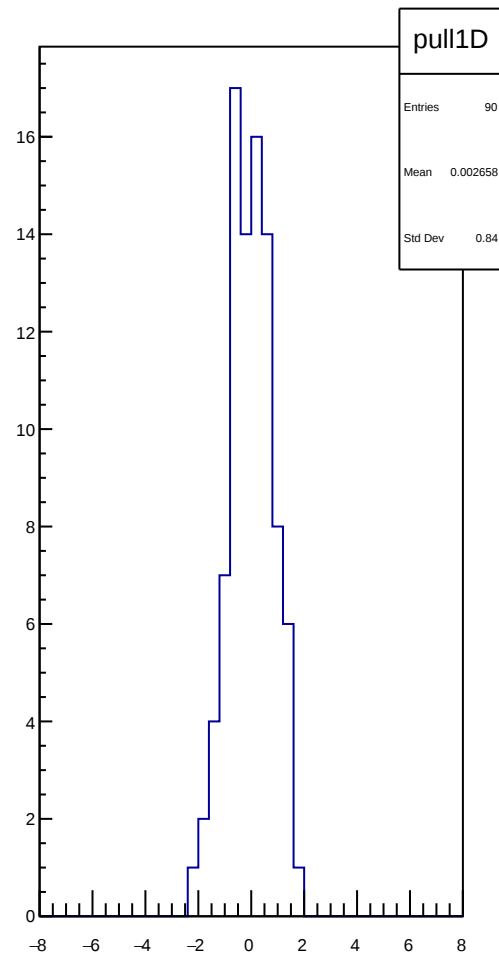
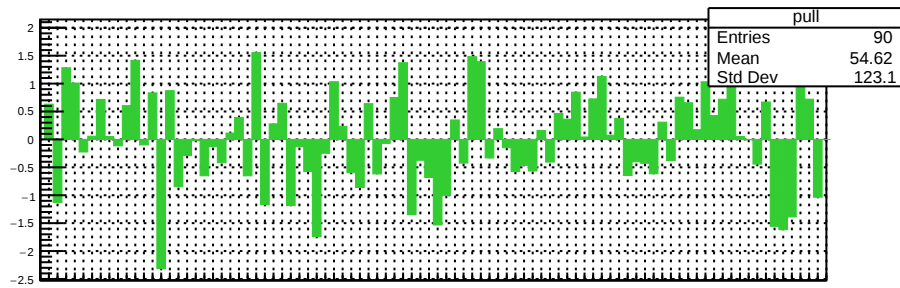
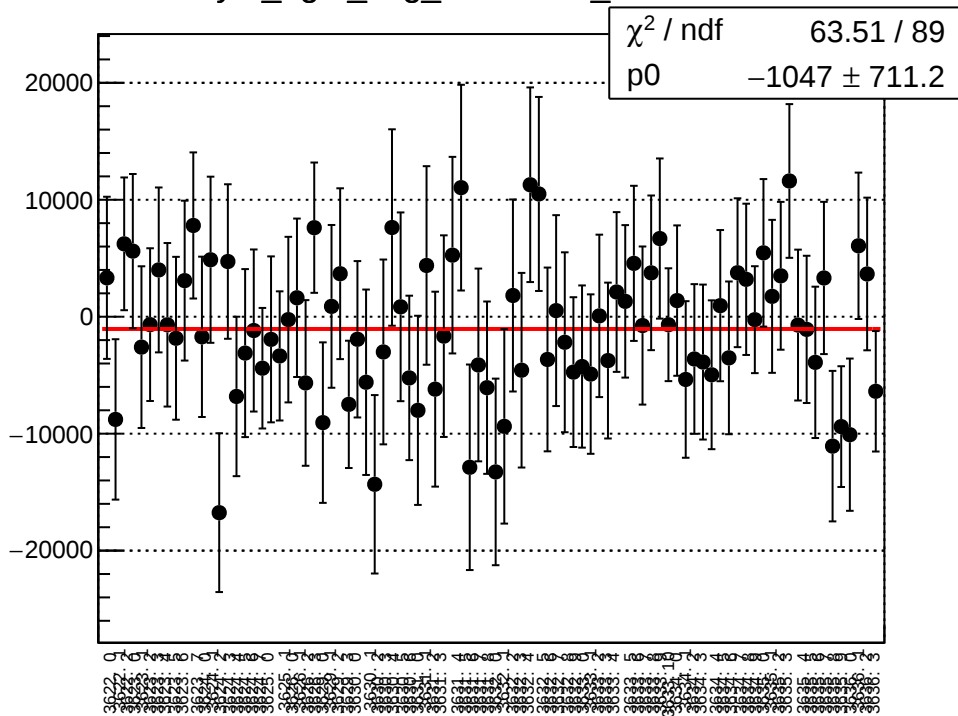
reg_asym_right_avg_mean vs run



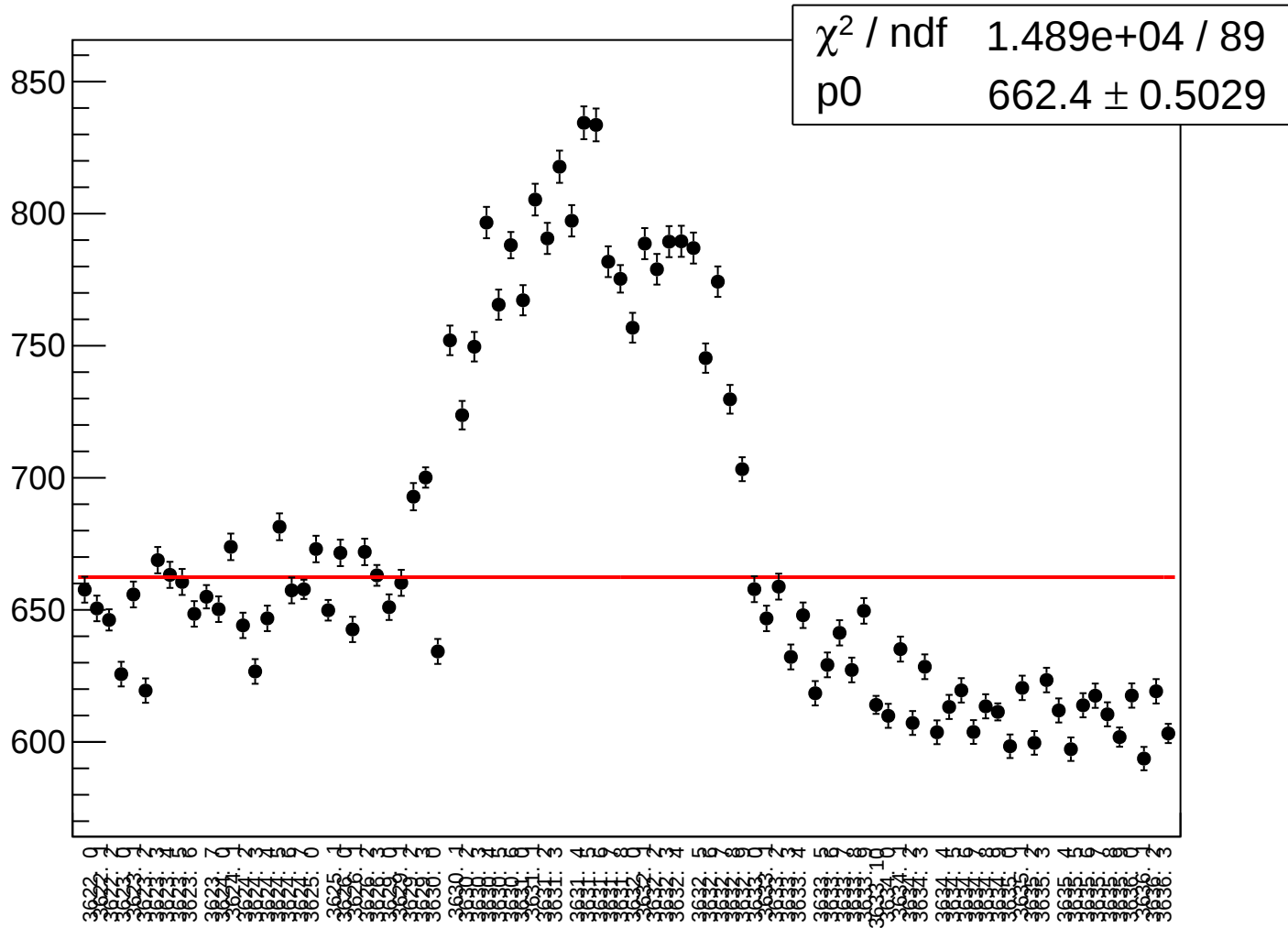
reg_asym_right_avg_rms vs run



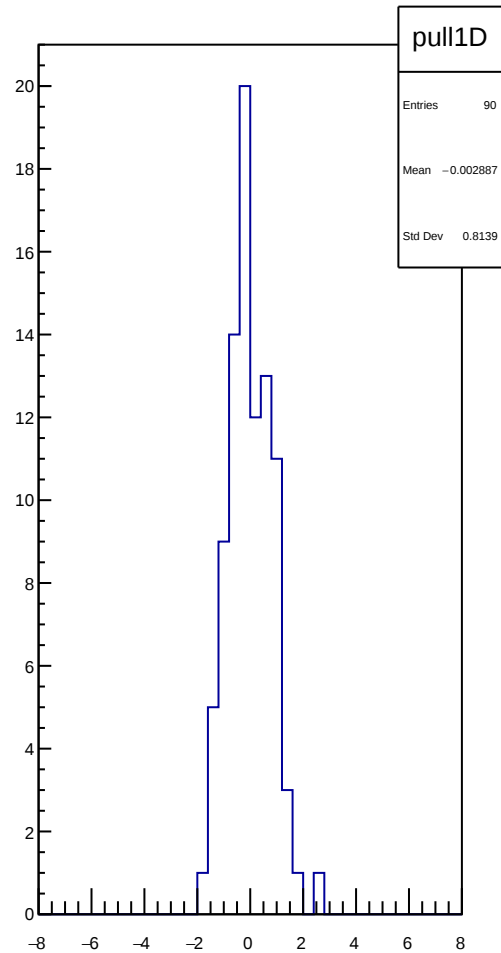
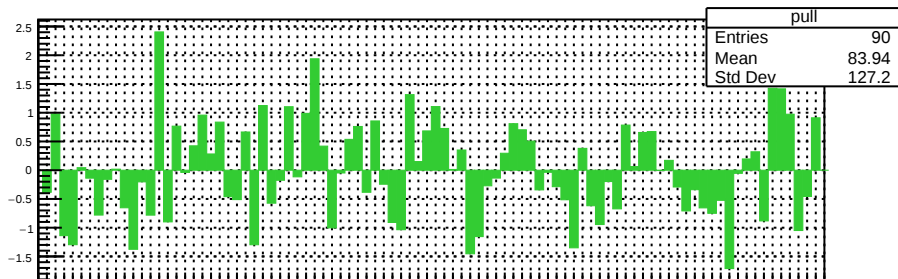
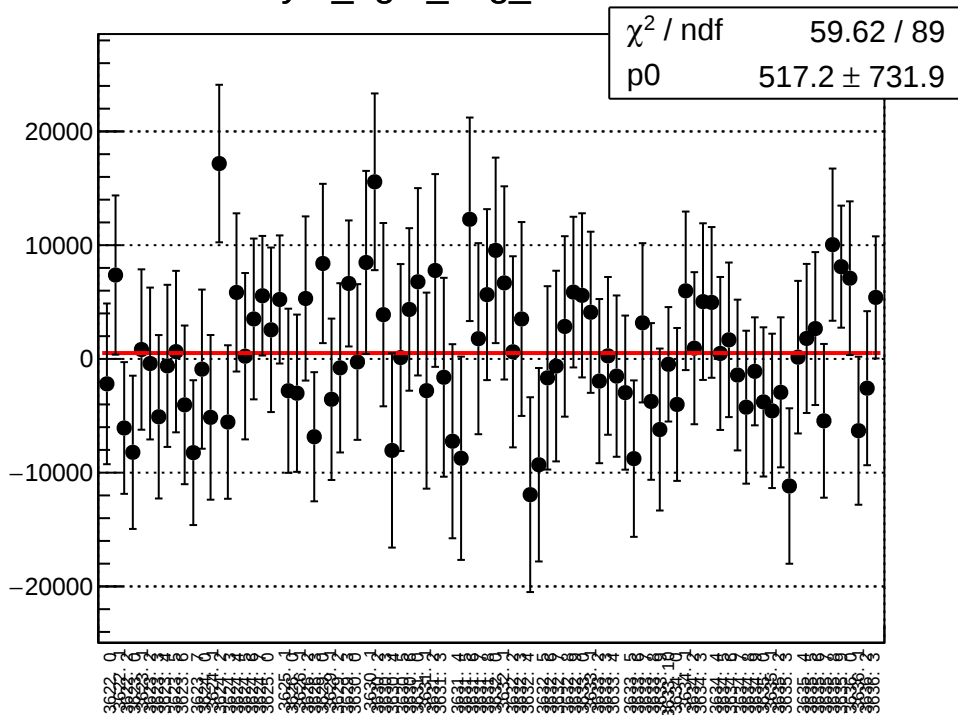
asym_right_avg_correction_mean vs run



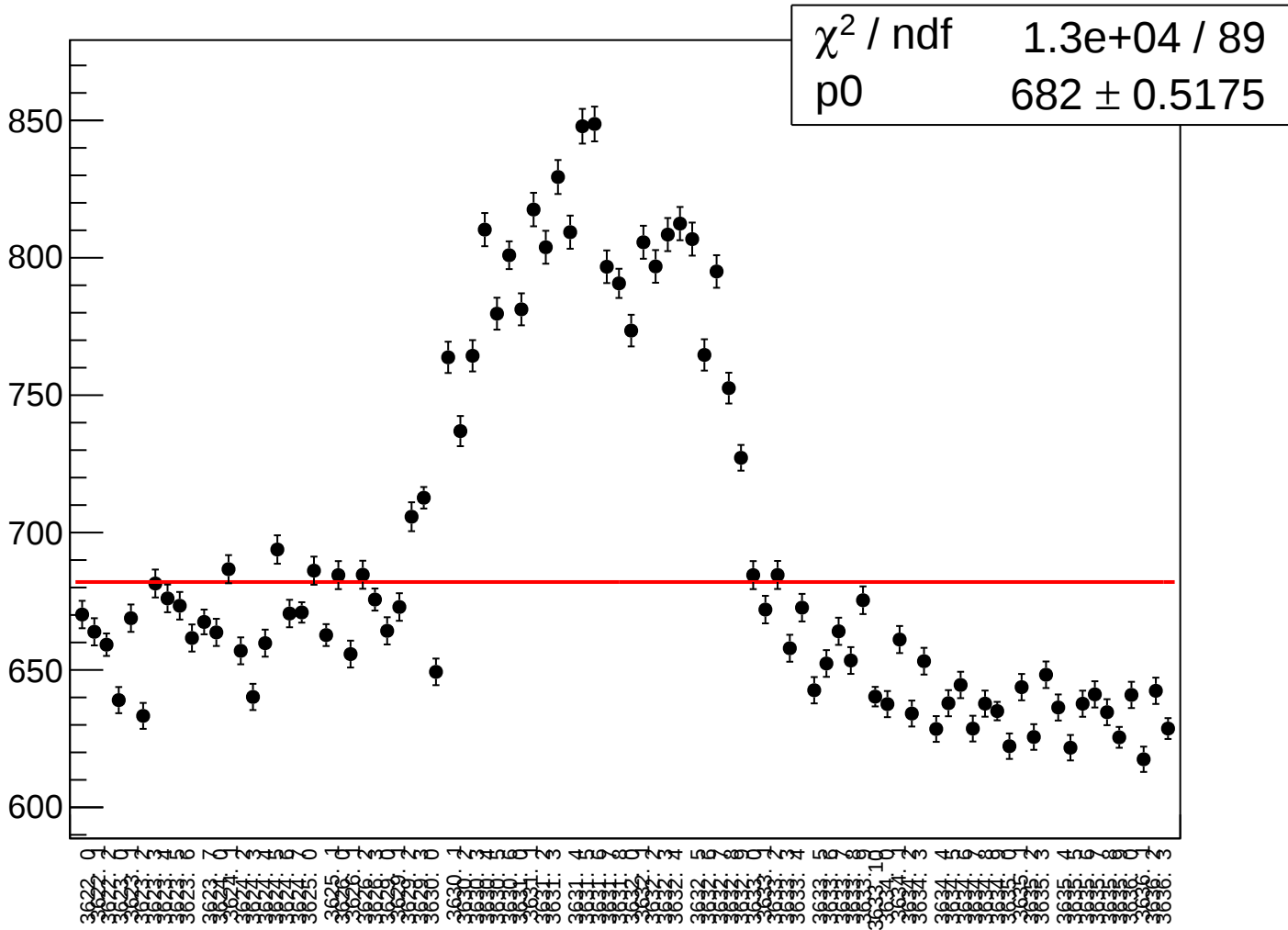
asym_right_avg_correction_rms vs run



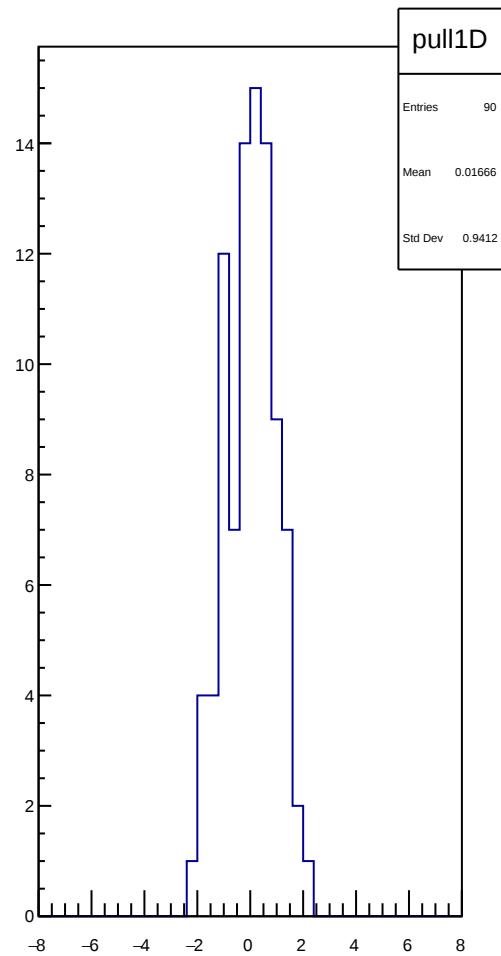
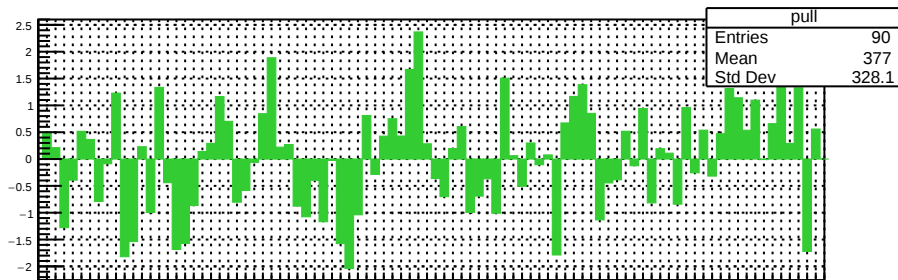
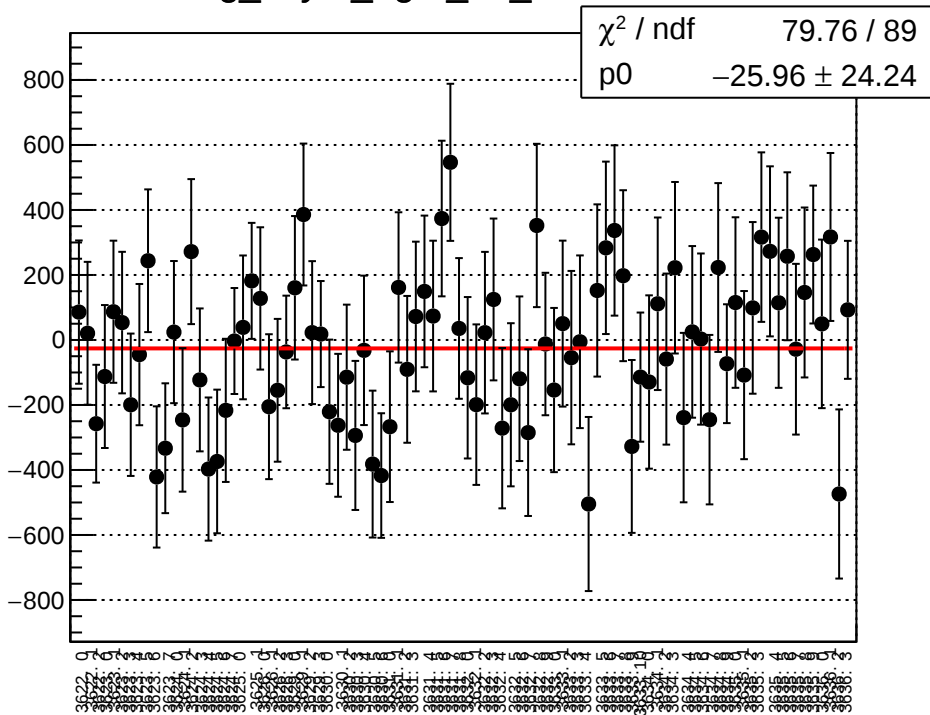
asym_right_avg_mean vs run



asym_right_avg_rms vs run

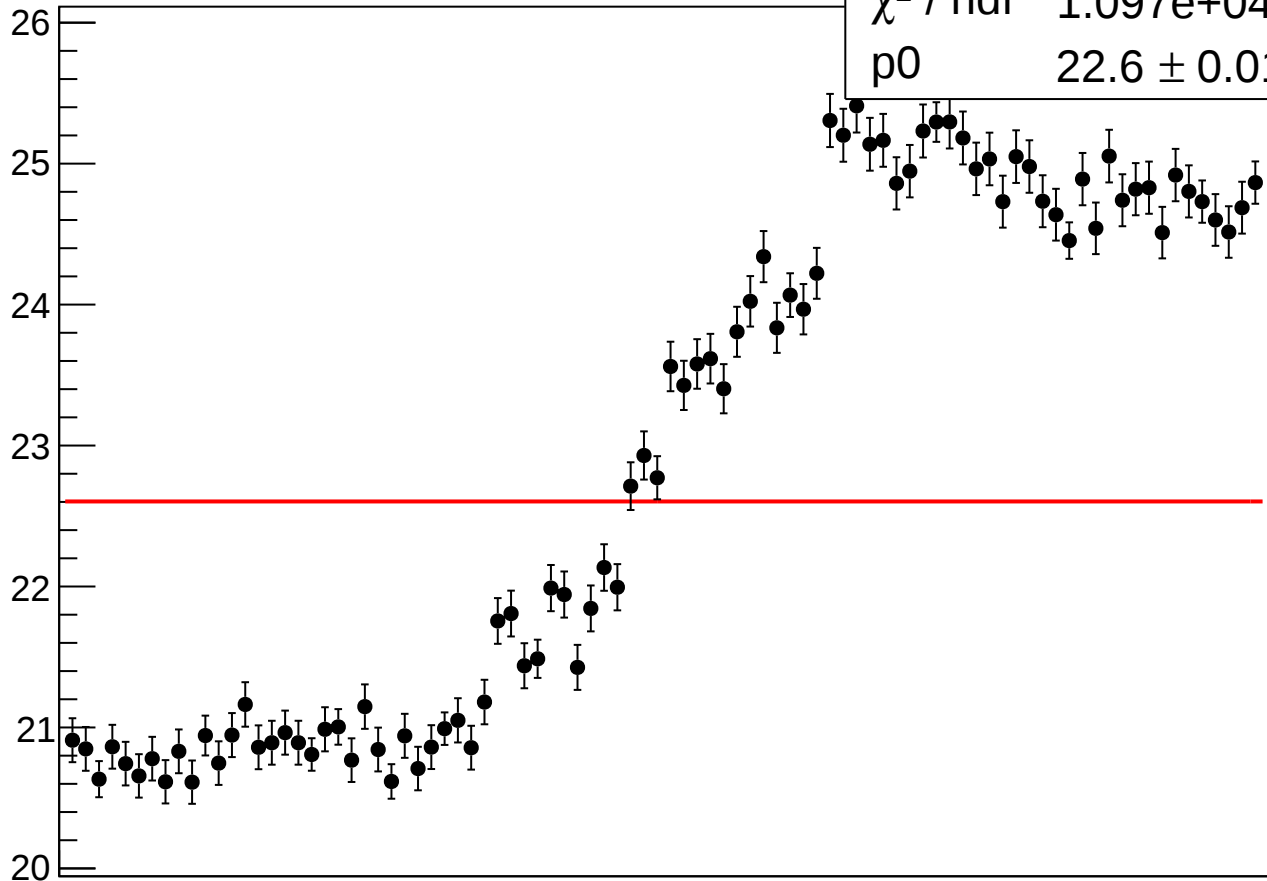


reg_asym_right_dd_mean vs run



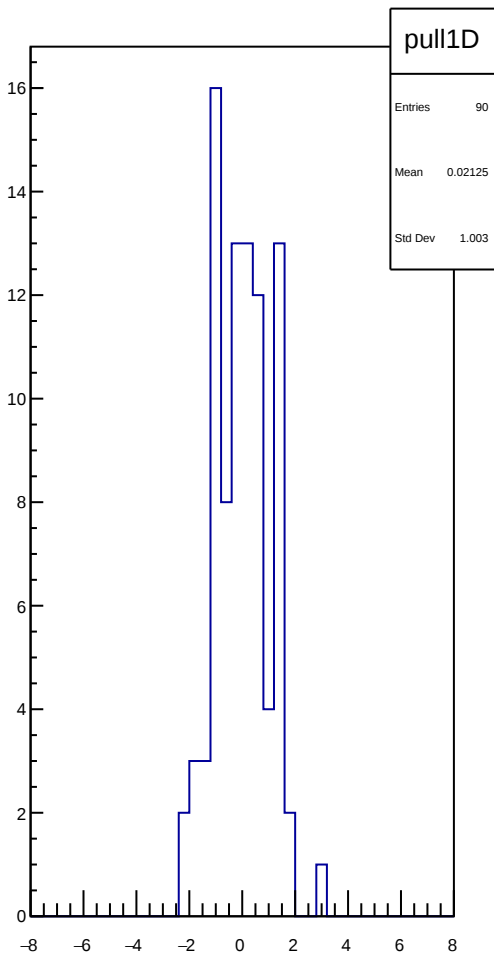
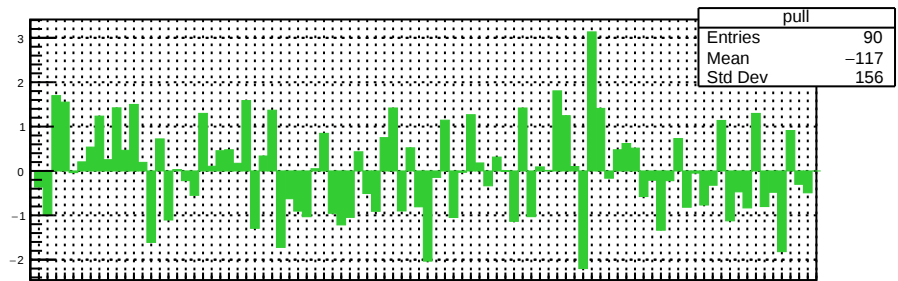
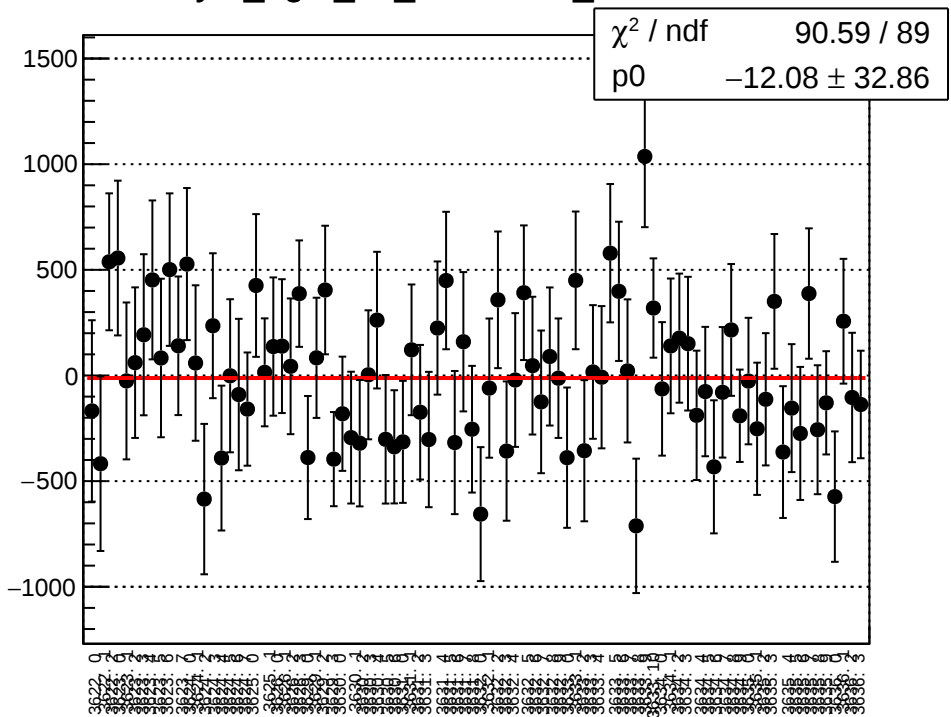
reg_asym_right_dd_rms vs run

χ^2 / ndf 1.097e+04 / 89
p0 22.6 ± 0.01714



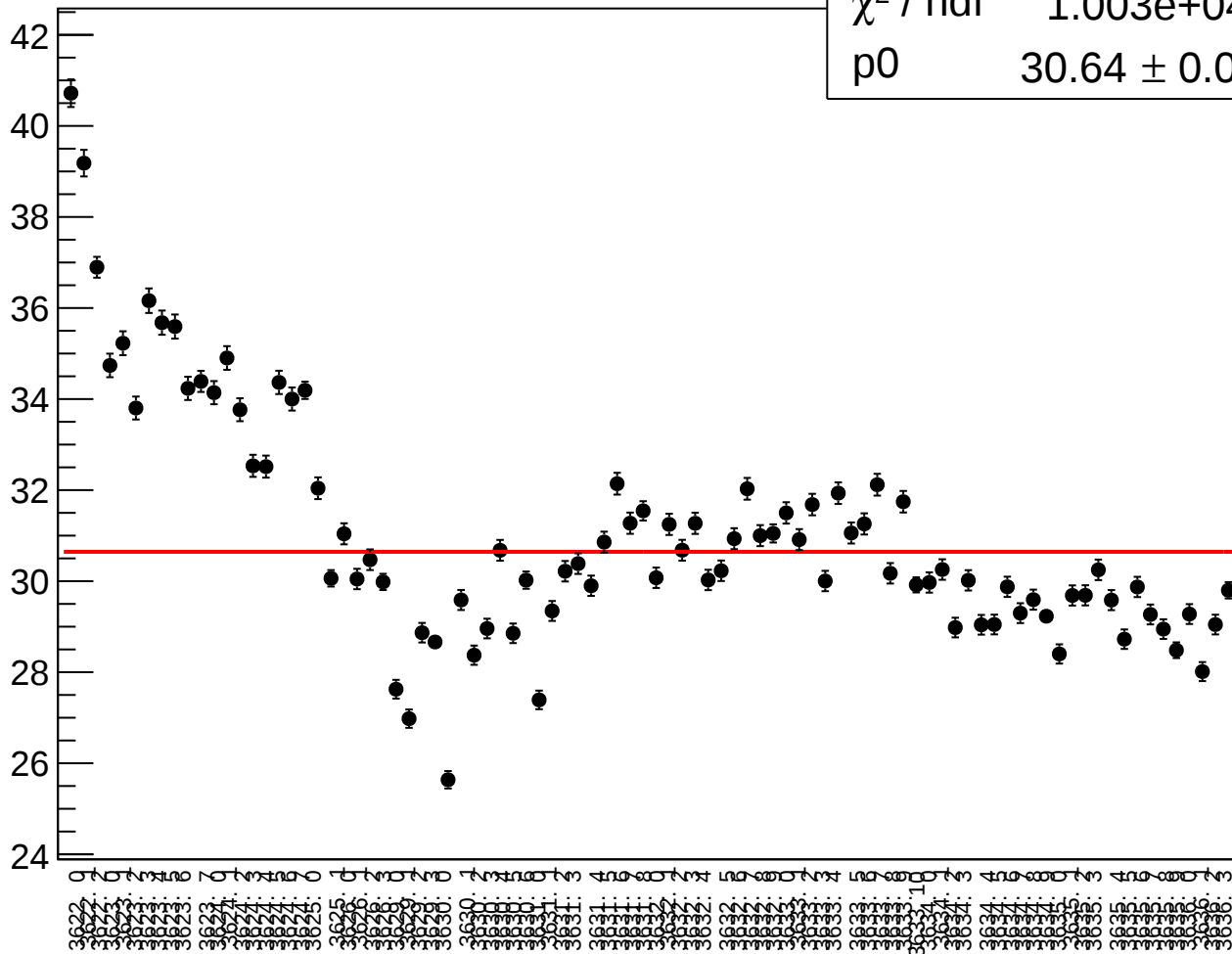
run

asym_right_dd_correction_mean vs run

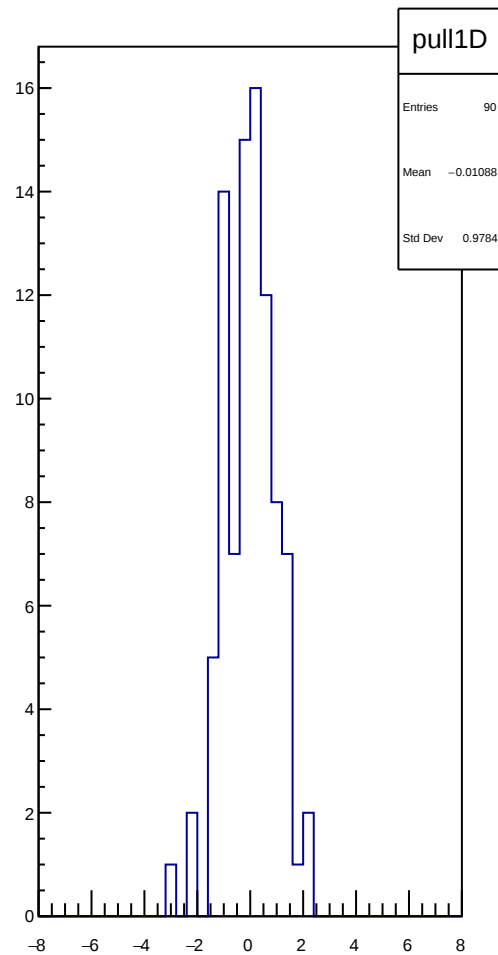
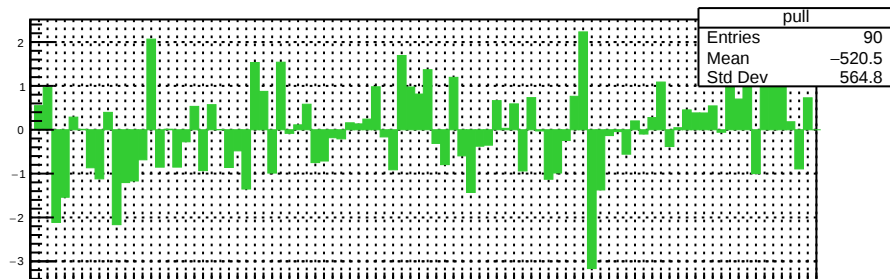
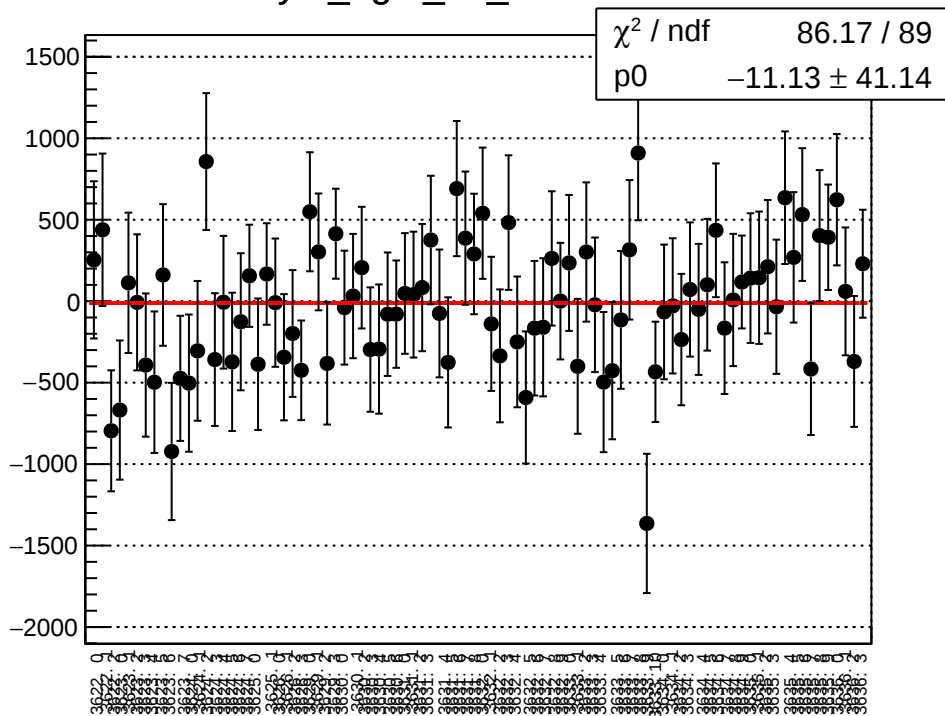


asym_right_dd_correction_rms vs run

χ^2 / ndf 1.003e+04 / 89
p0 30.64 $\pm$ 0.02323



asym_right_dd_mean vs run



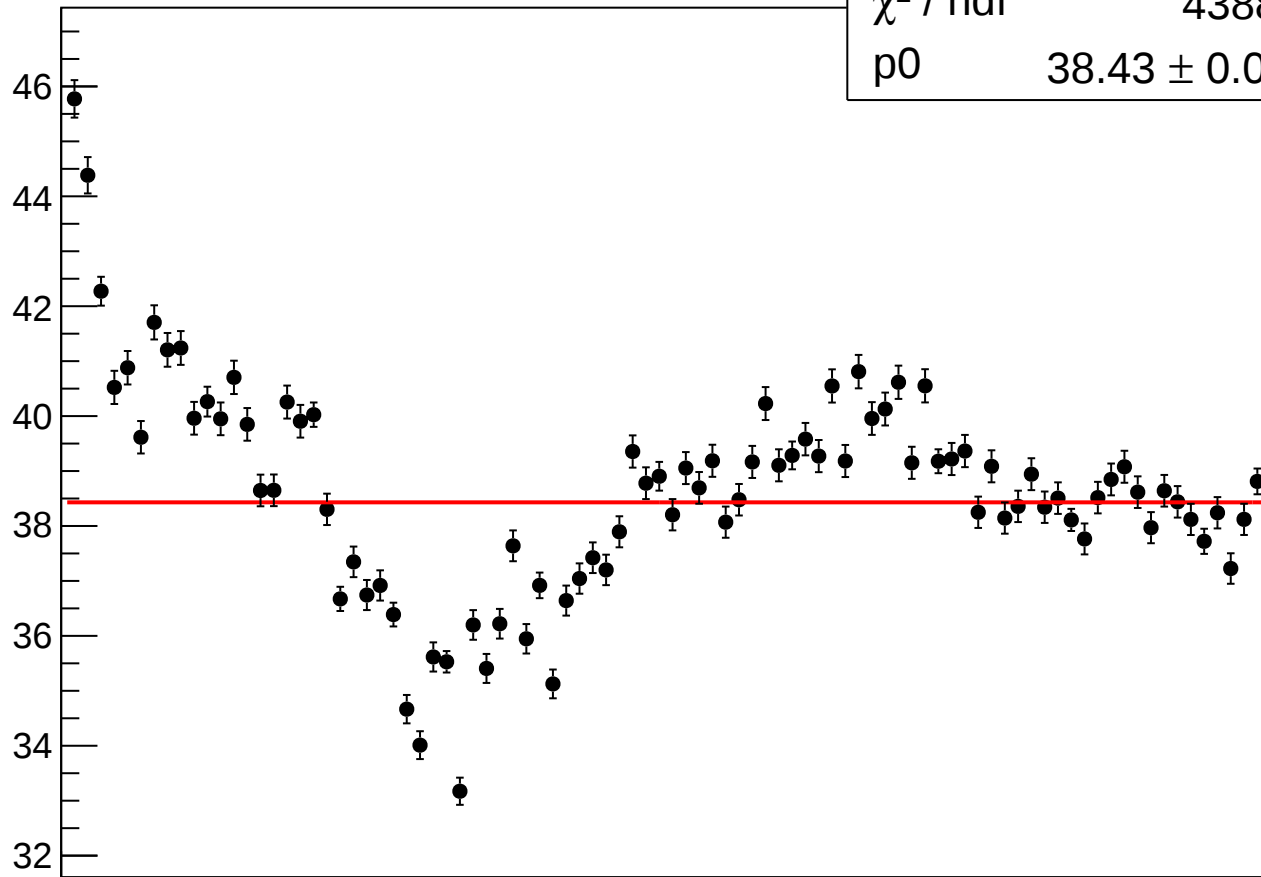
asym_right_dd_rms vs run

χ^2 / ndf

4388 / 89

p0

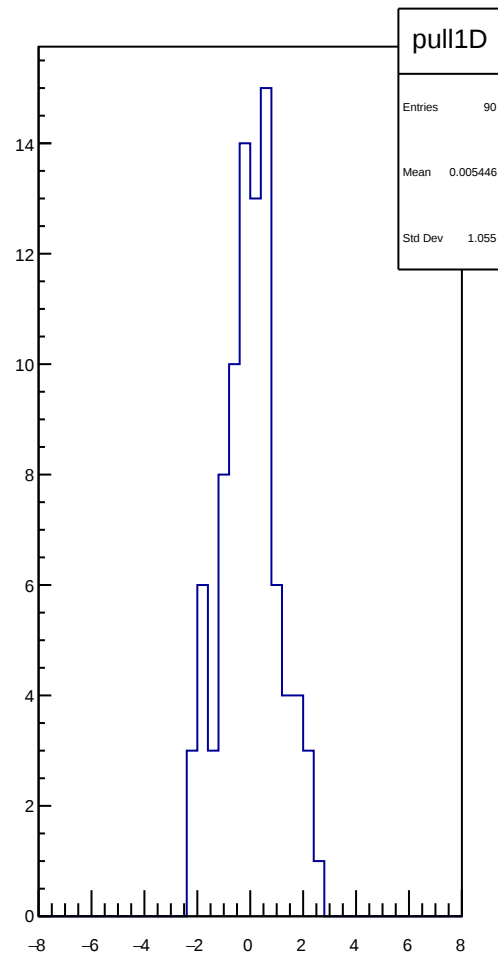
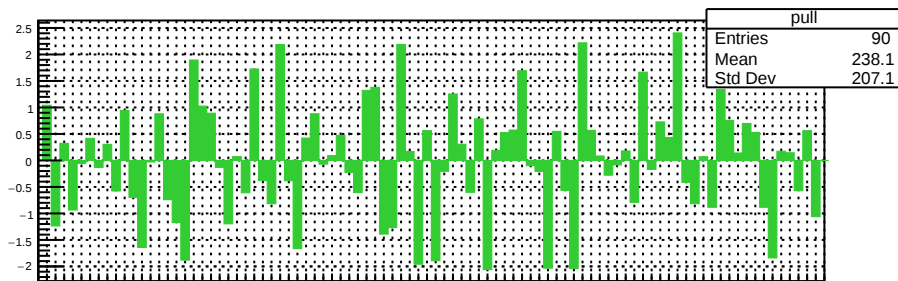
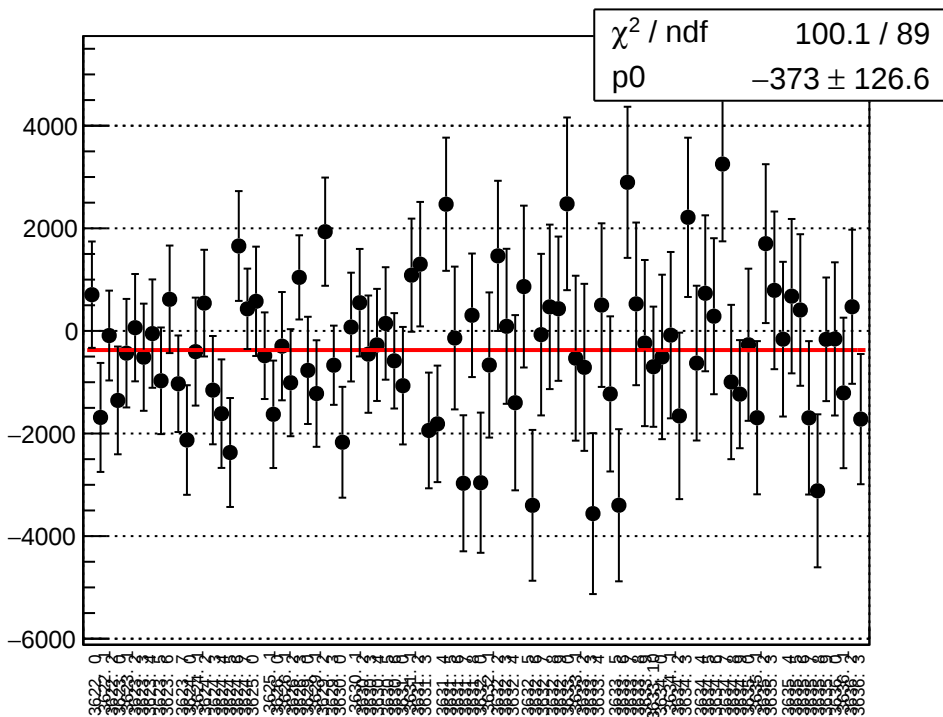
38.43 ± 0.02909



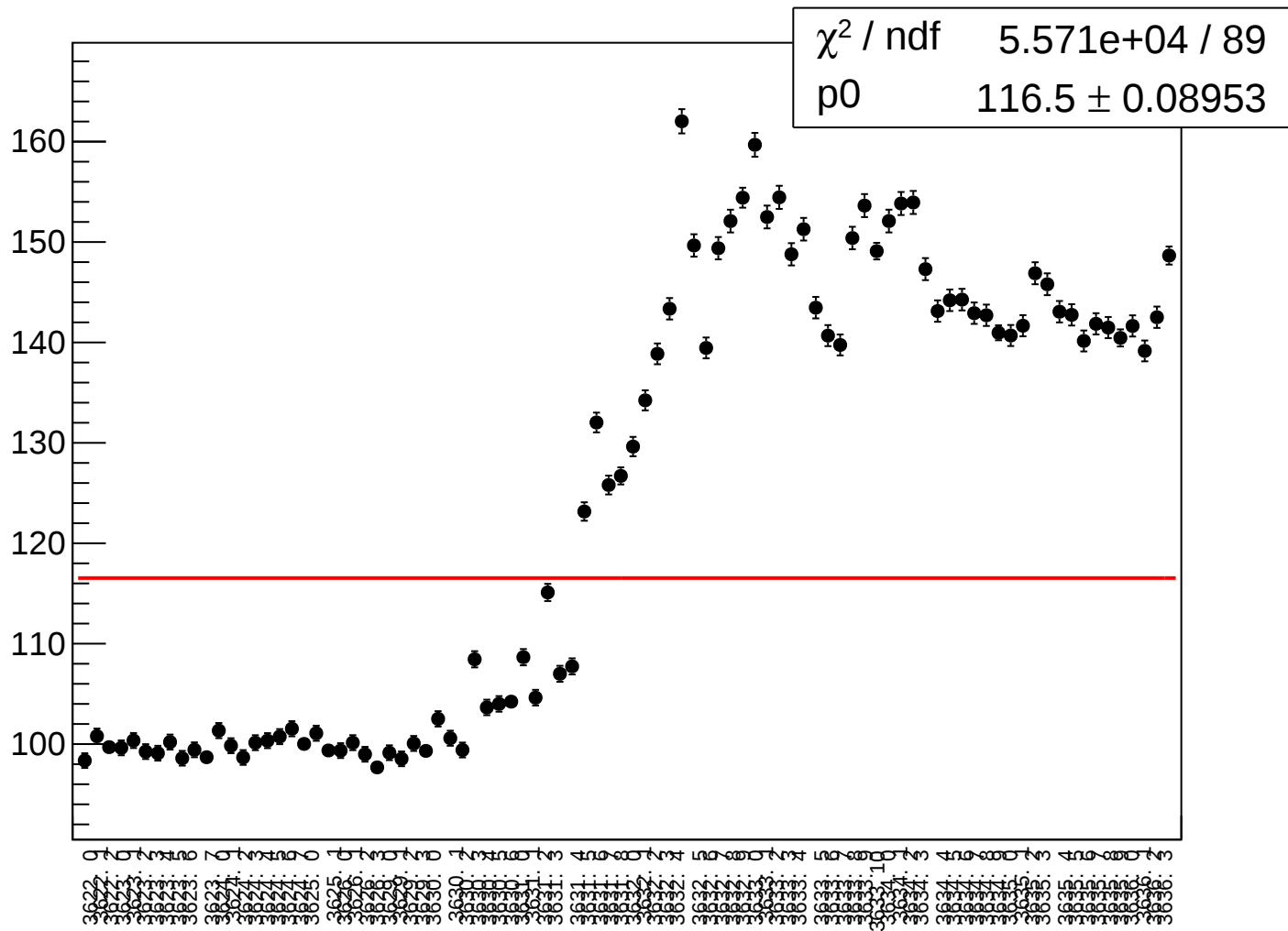
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asym_right_dd_rms

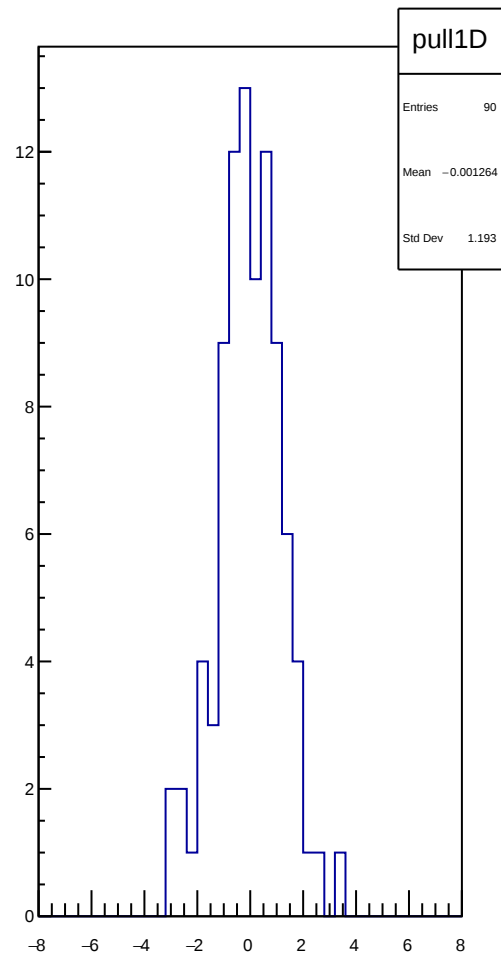
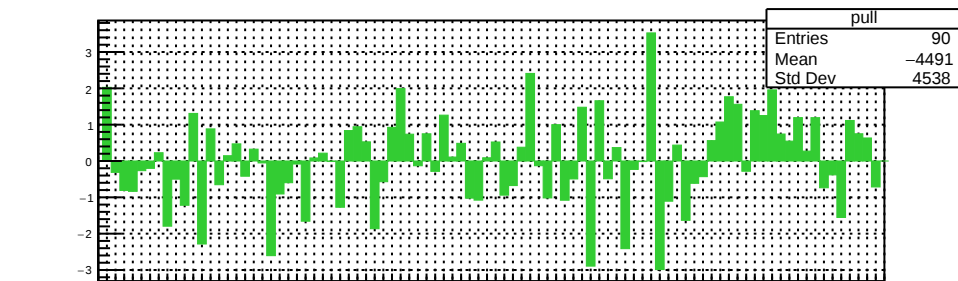
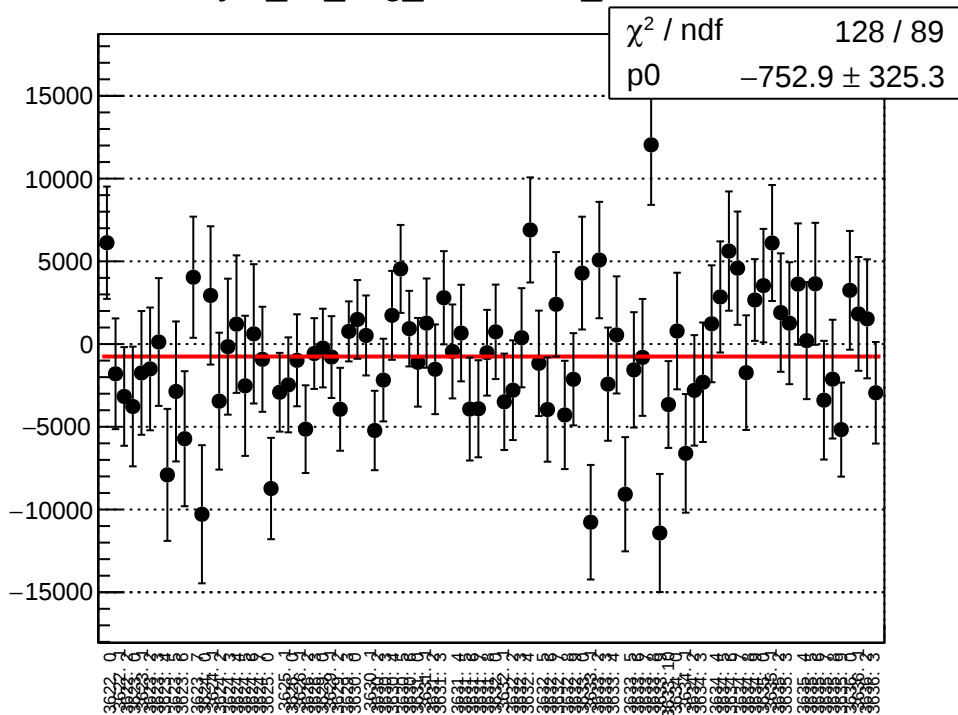
reg_asym_us_avg_mean vs run



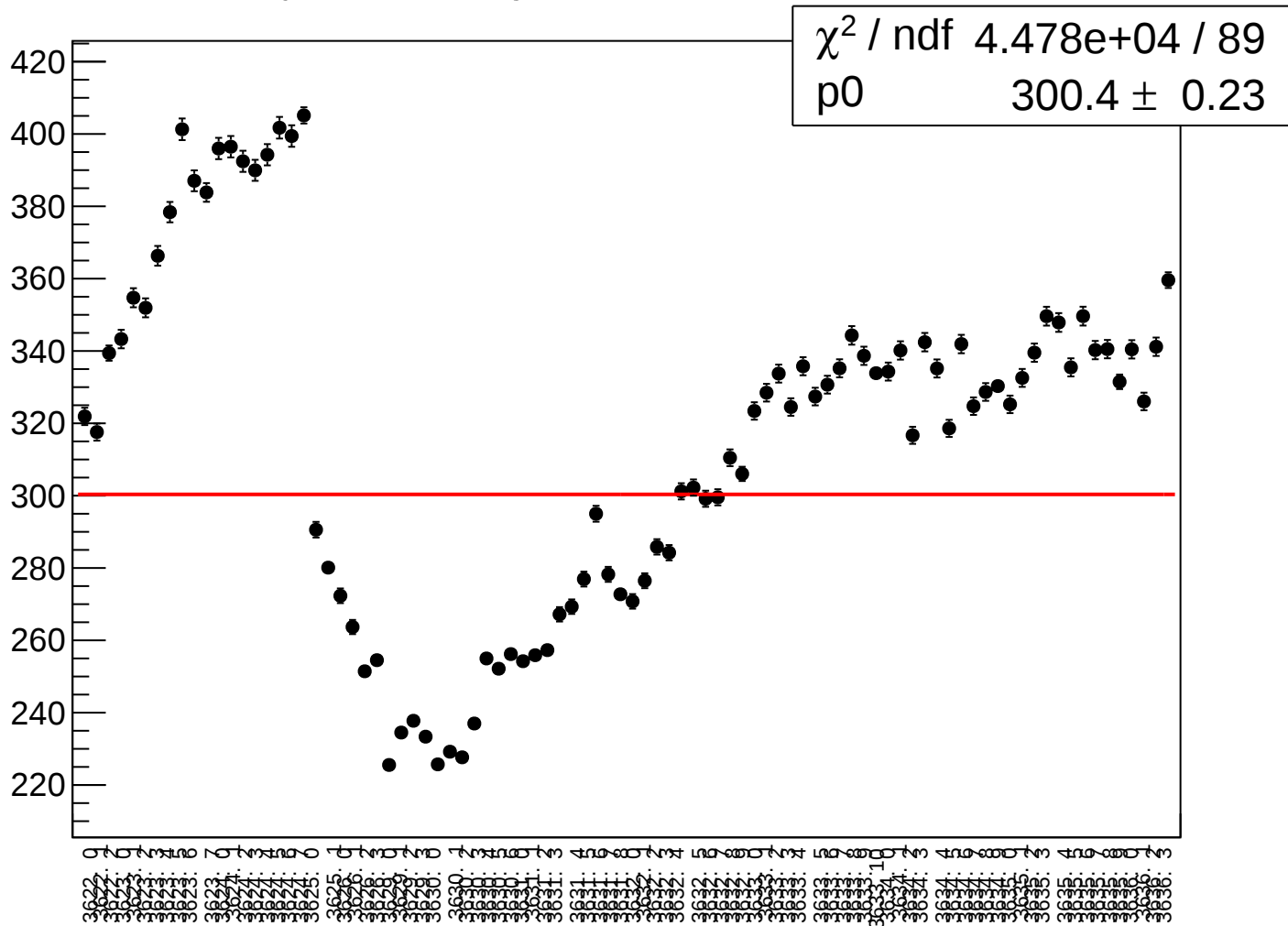
reg_asym_us_avg_rms vs run



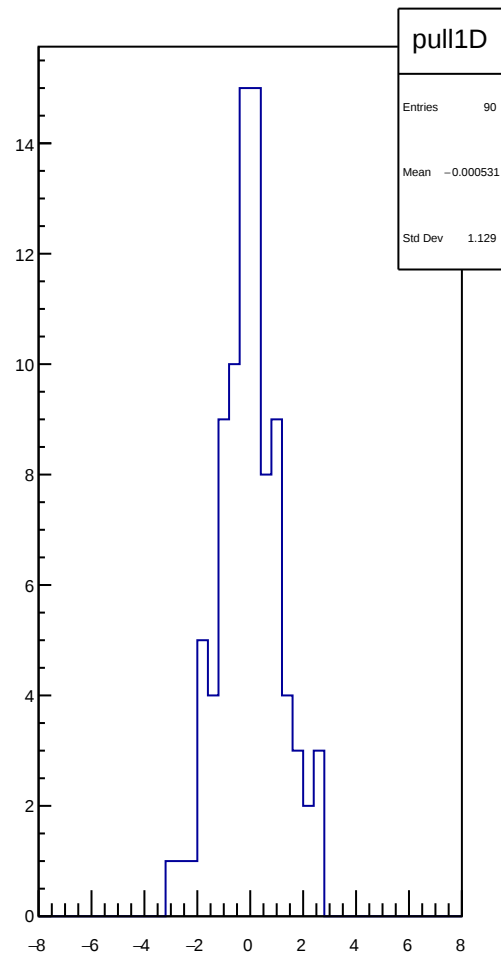
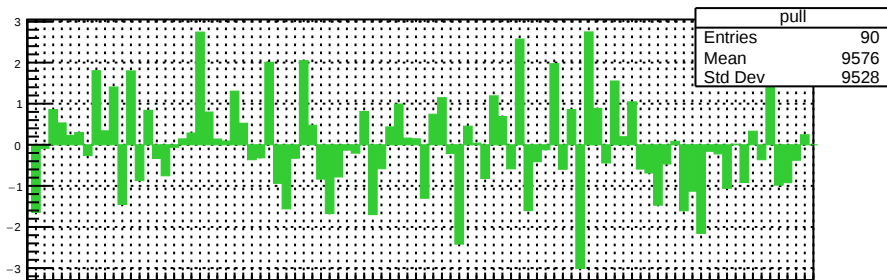
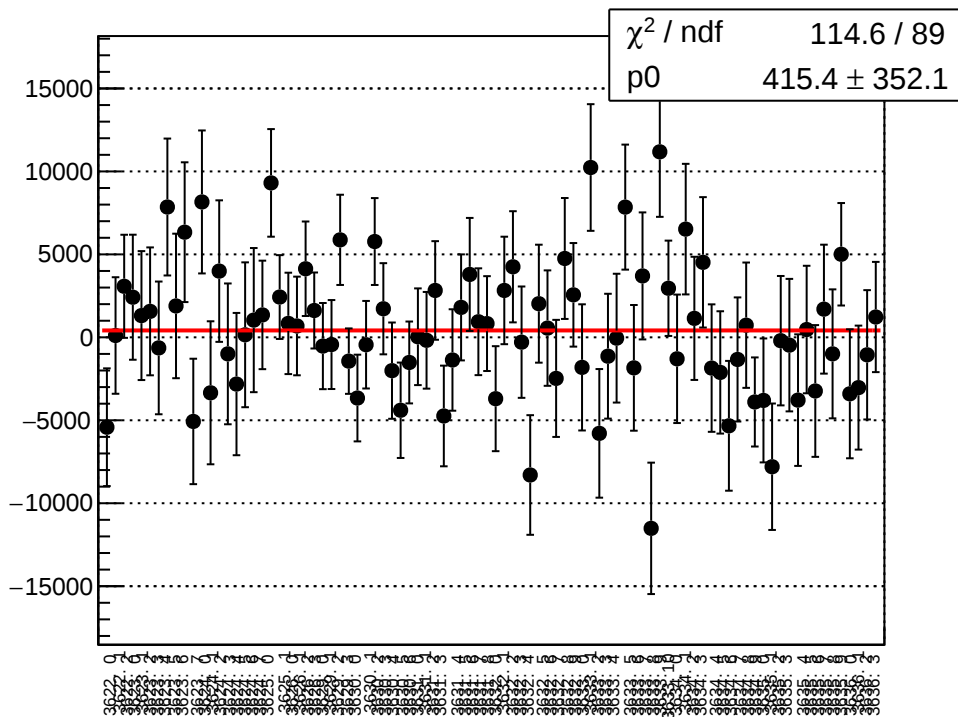
asym_us_avg_correction_mean vs run



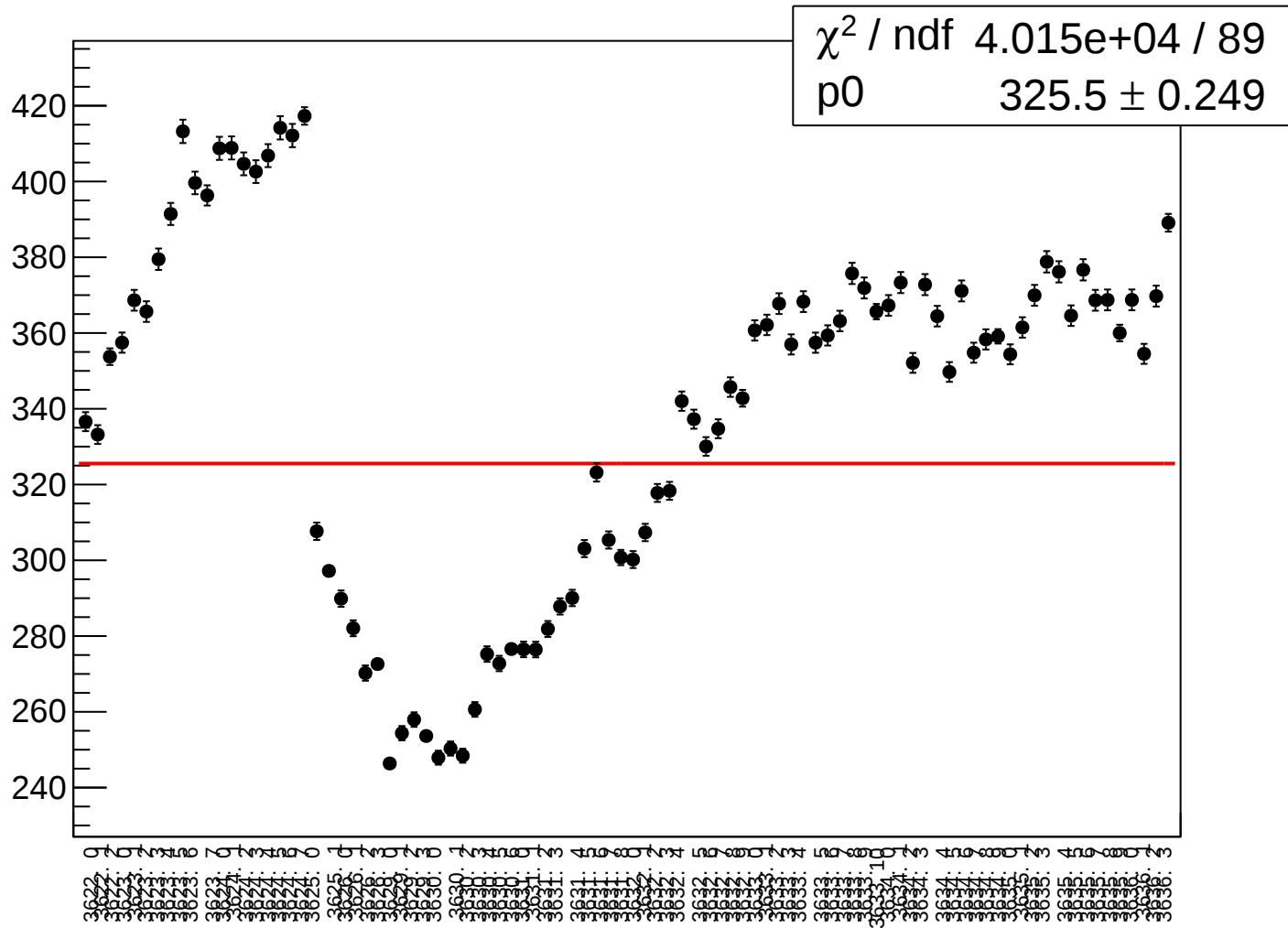
asym_us_avg_correction_rms vs run



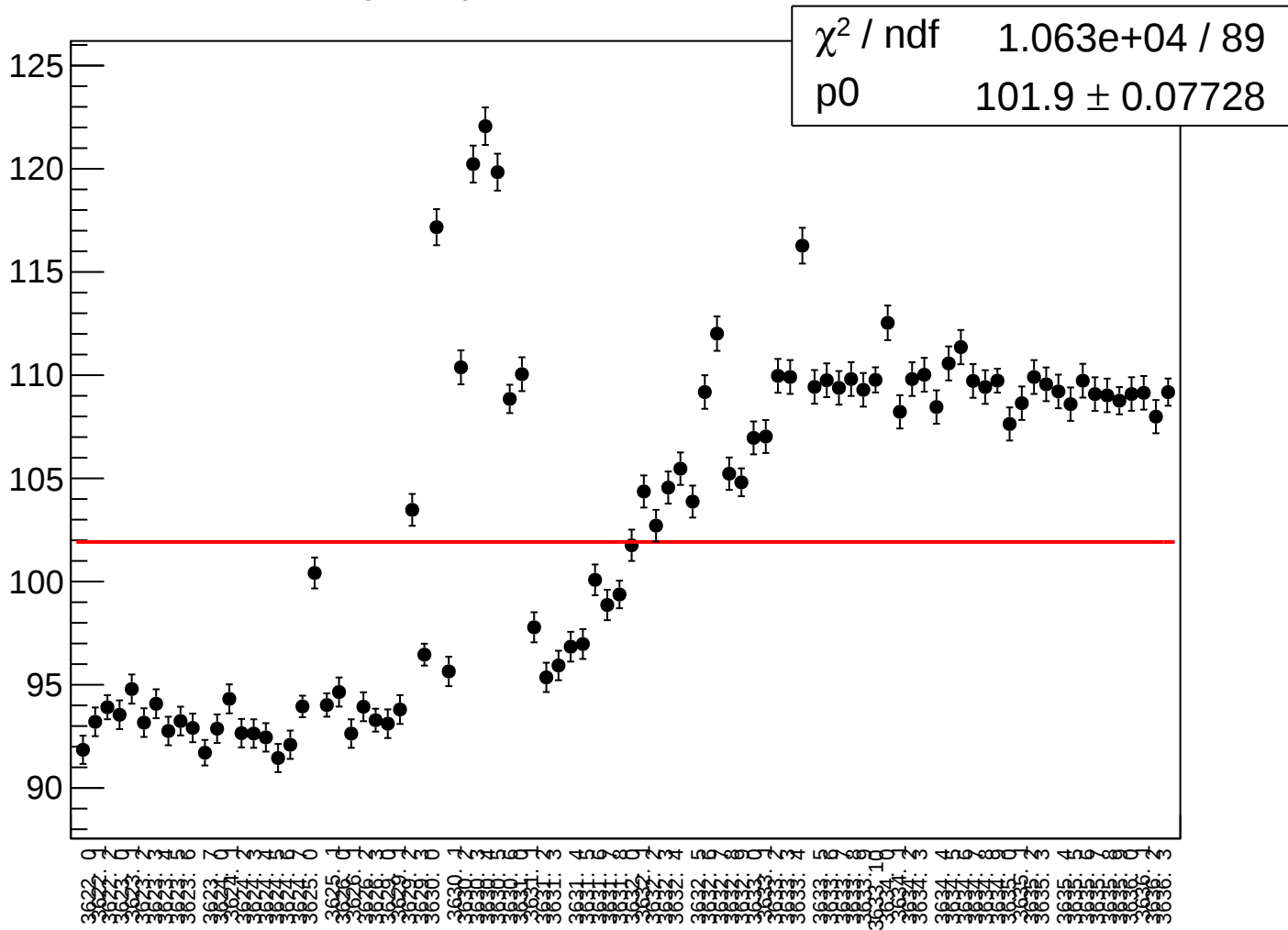
asym_us_avg_mean vs run



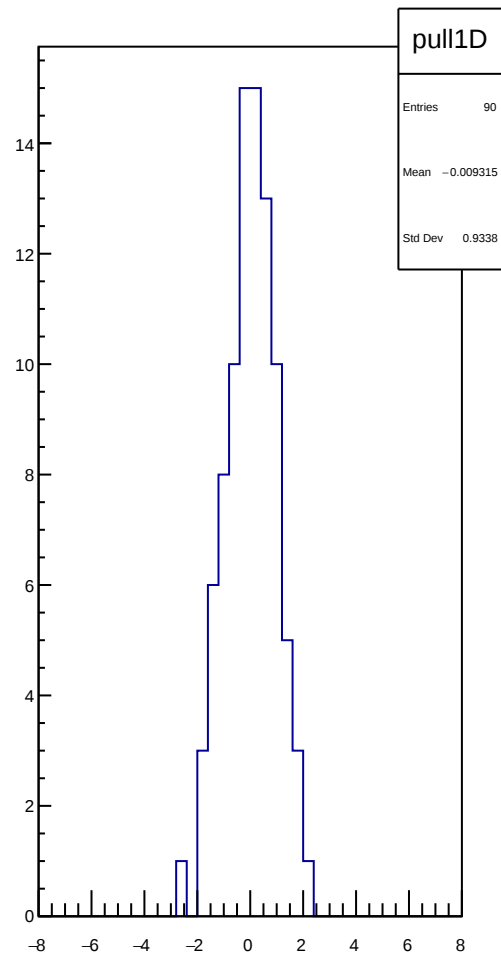
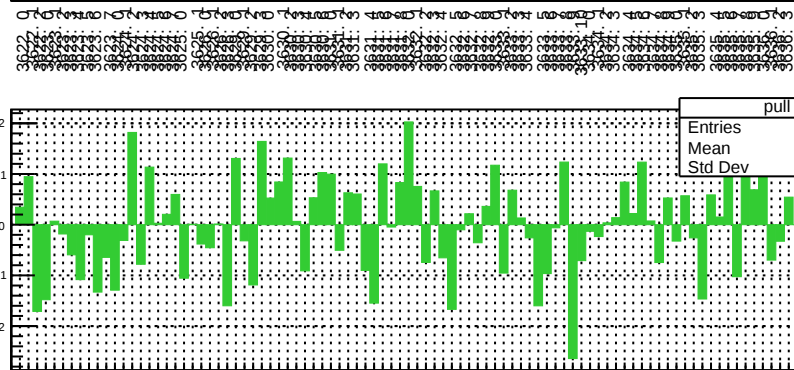
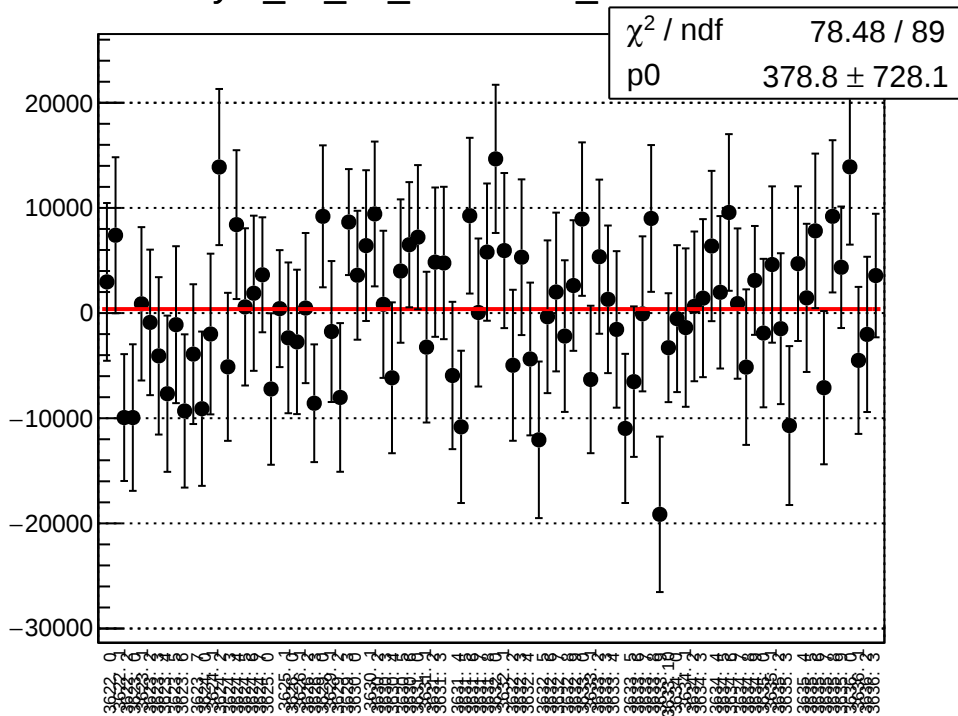
asym_us_avg_rms vs run



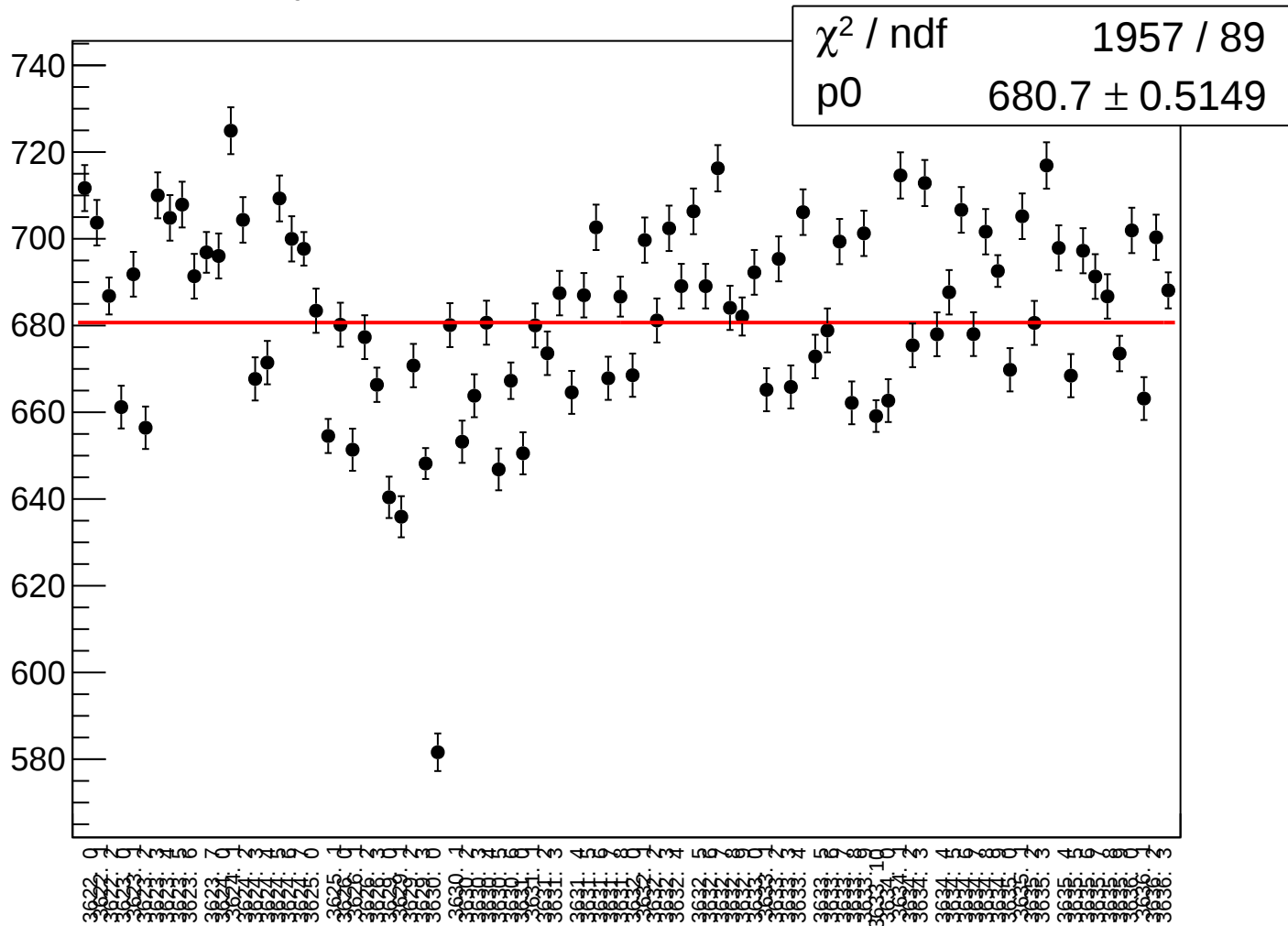
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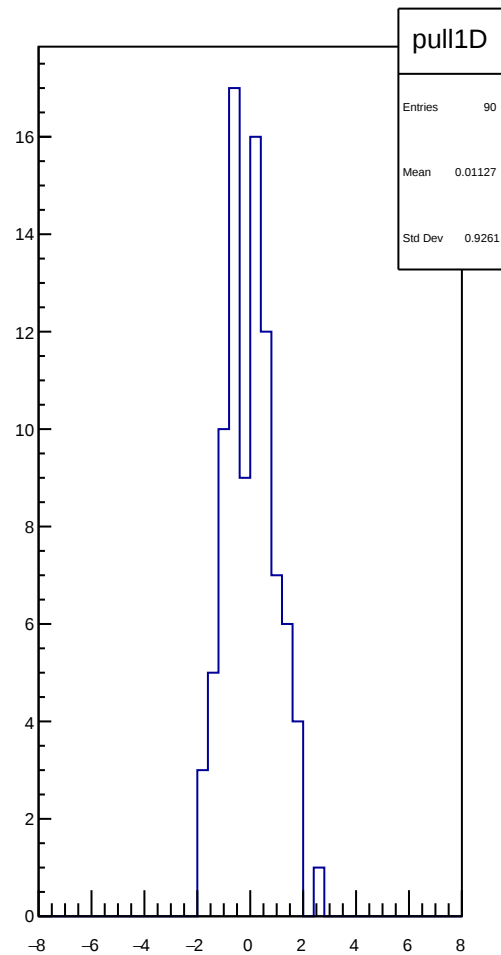
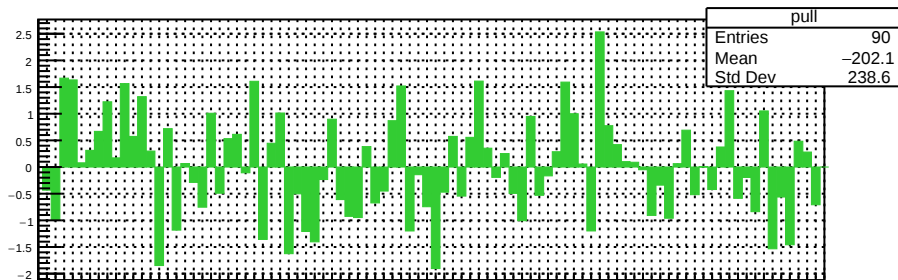
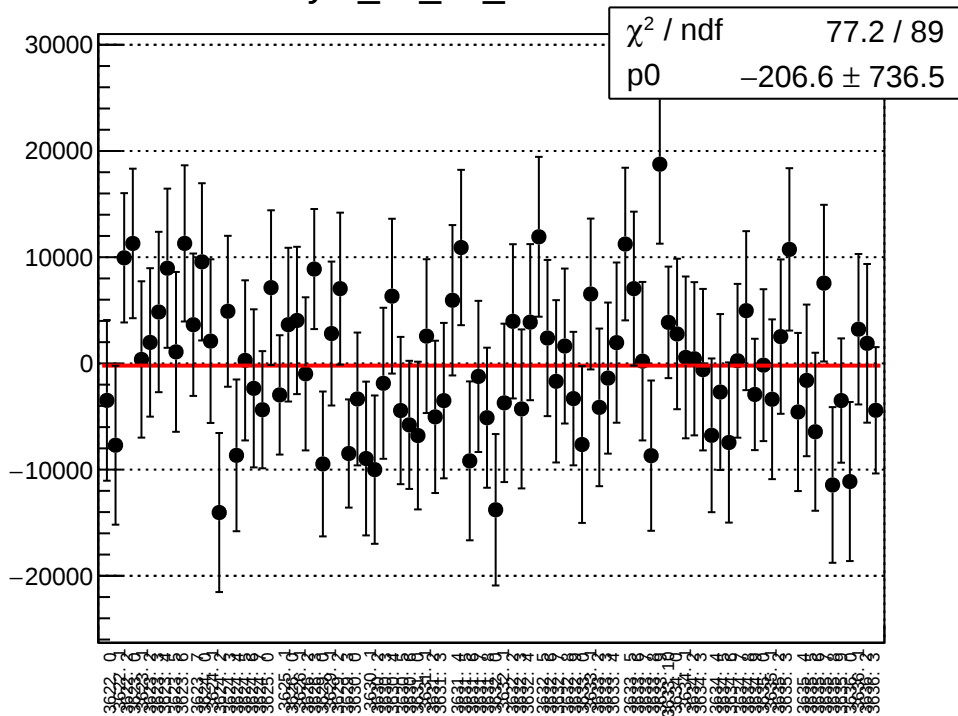
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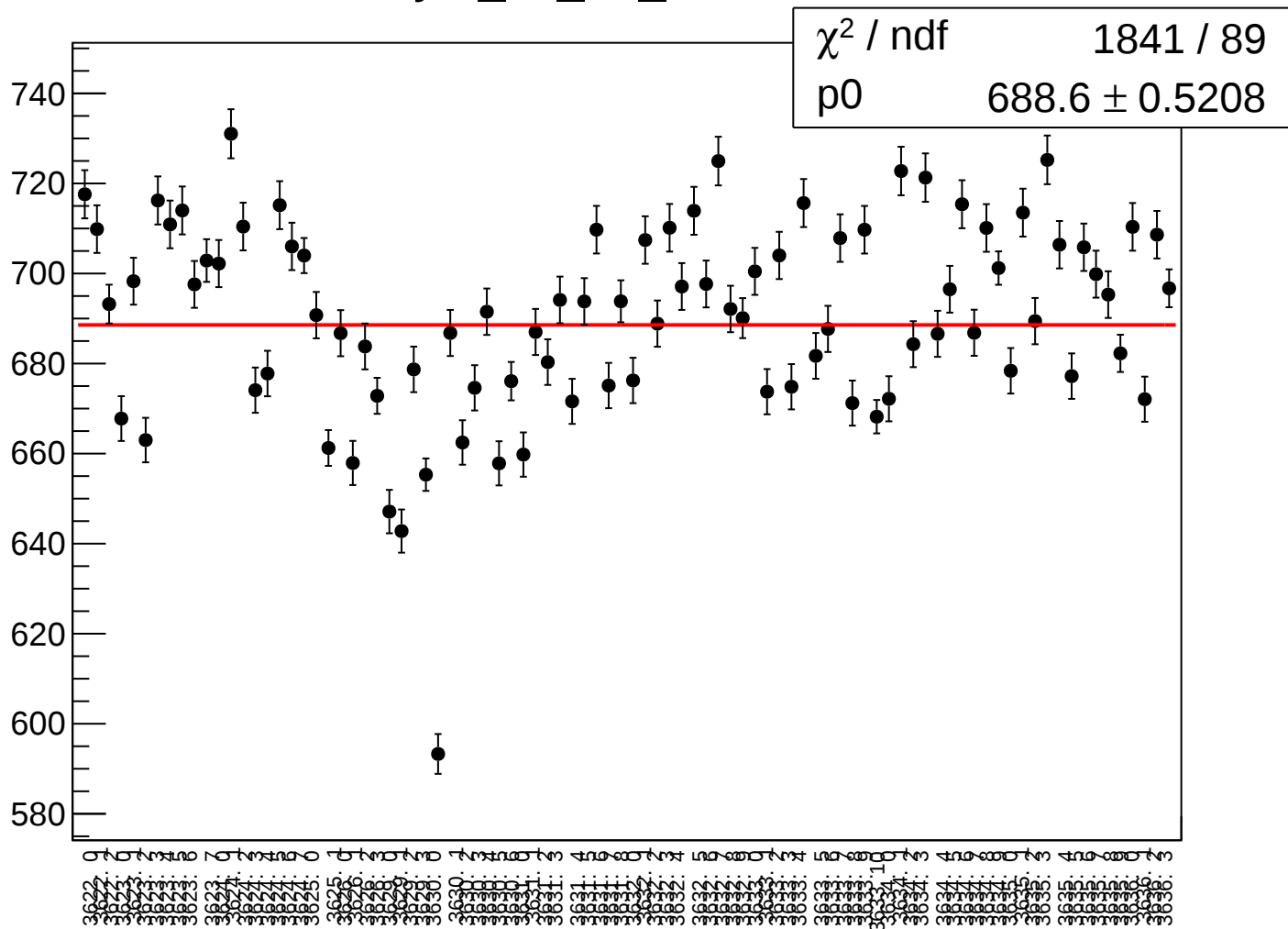
asym_us_dd_correction_rms vs run



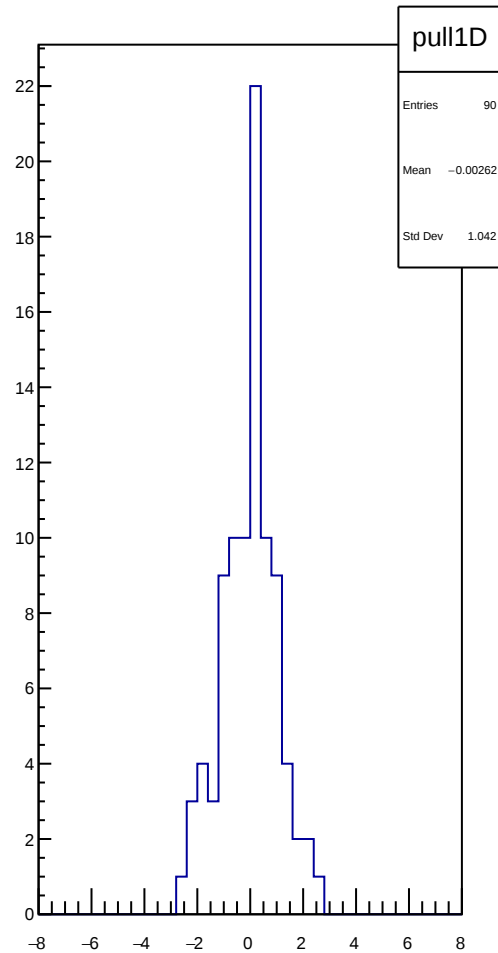
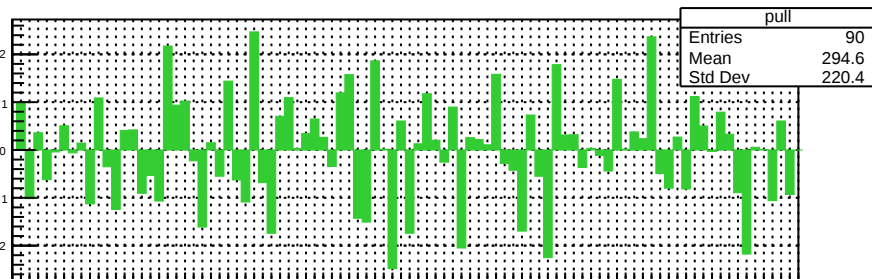
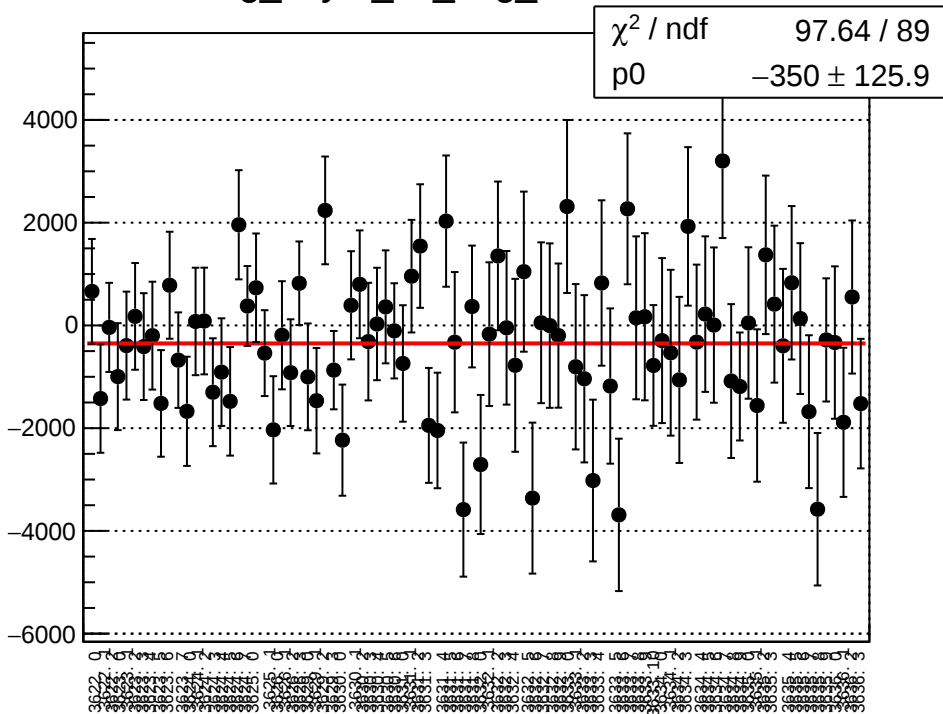
asym_us_dd_mean vs run



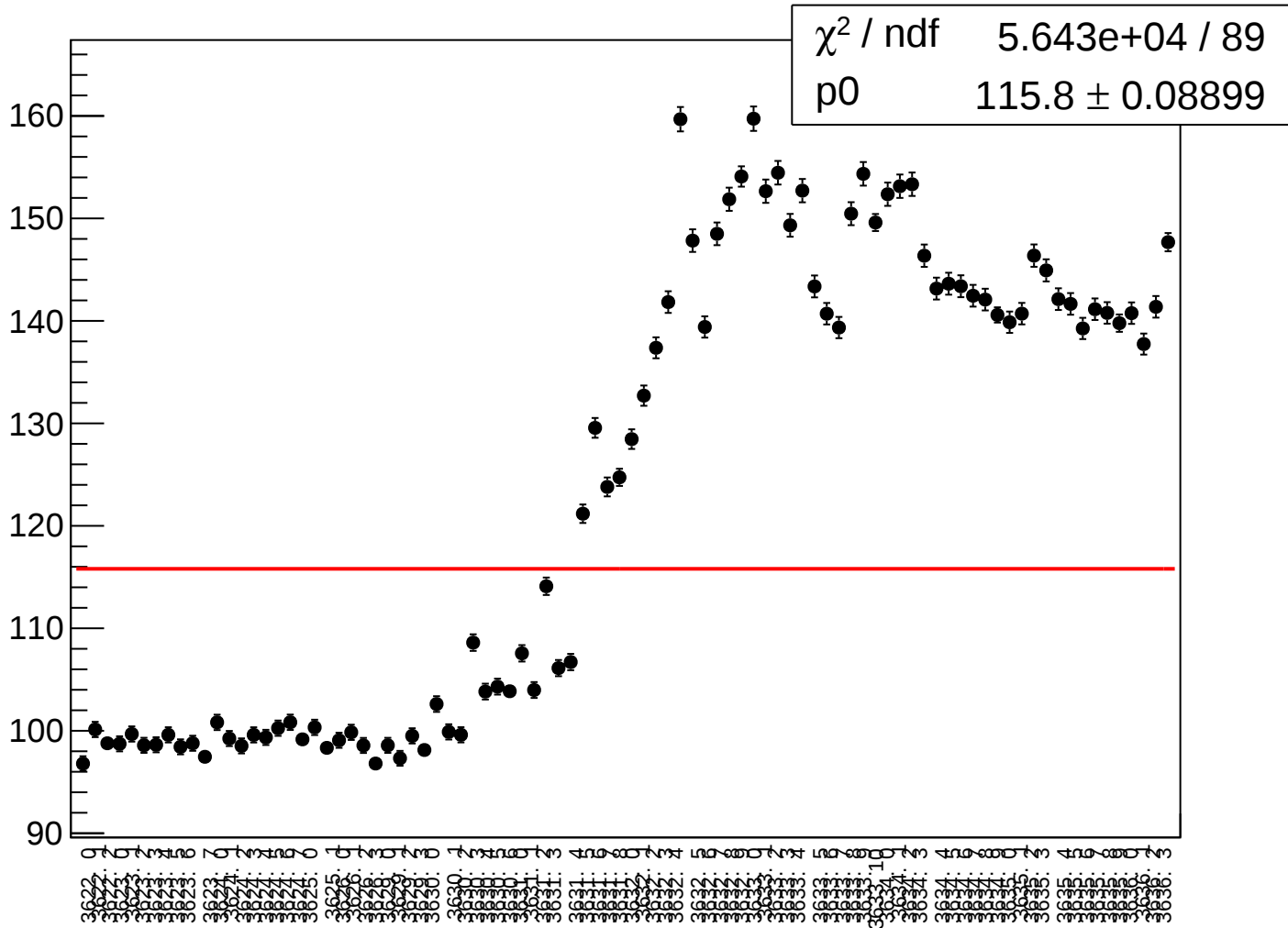
asym_us_dd_rms vs run



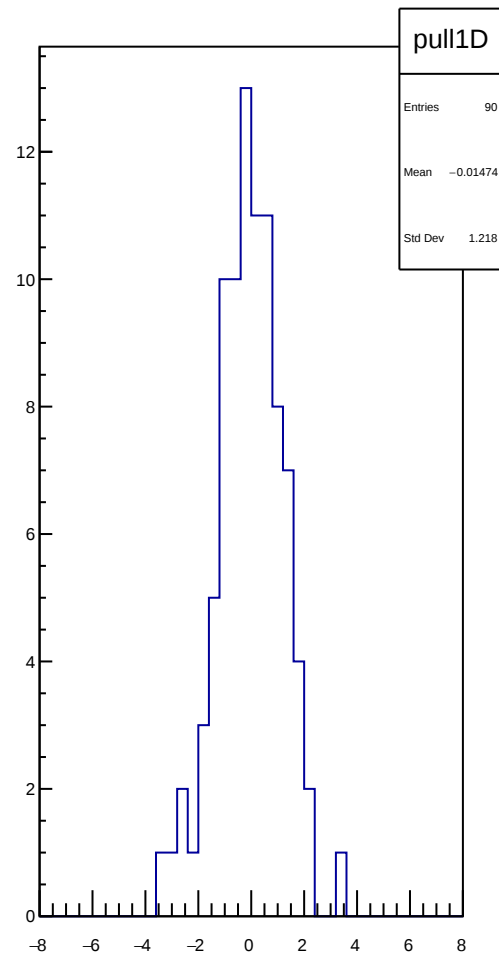
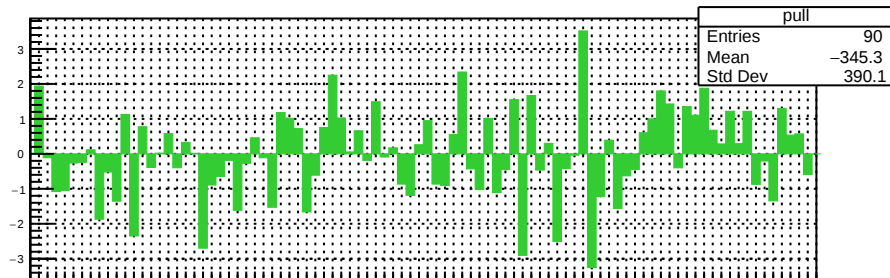
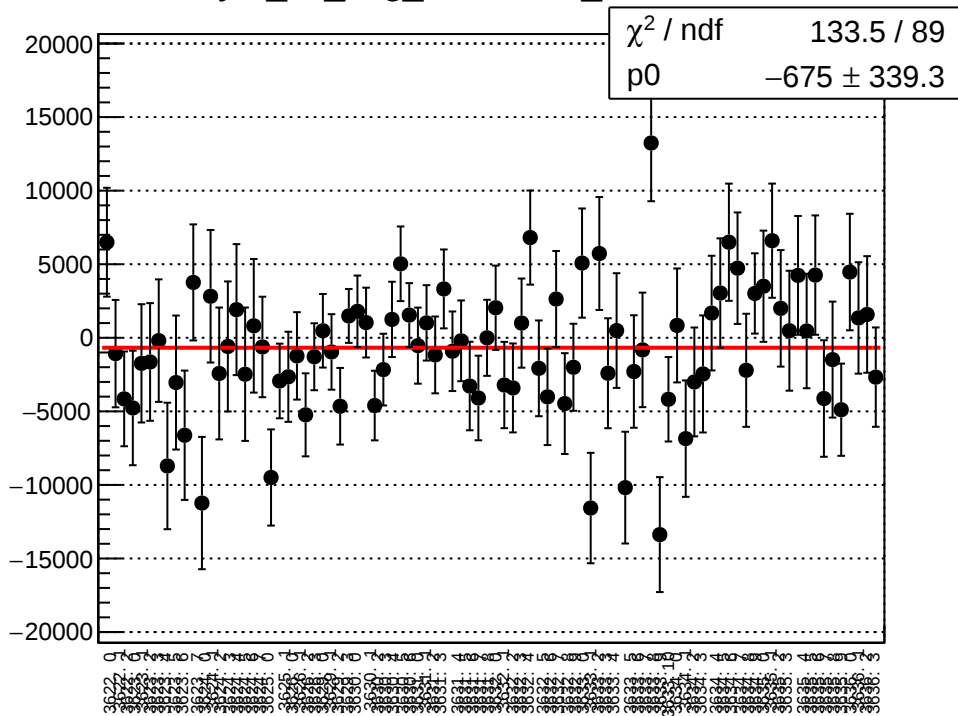
reg_asym_ds_avg_mean vs run



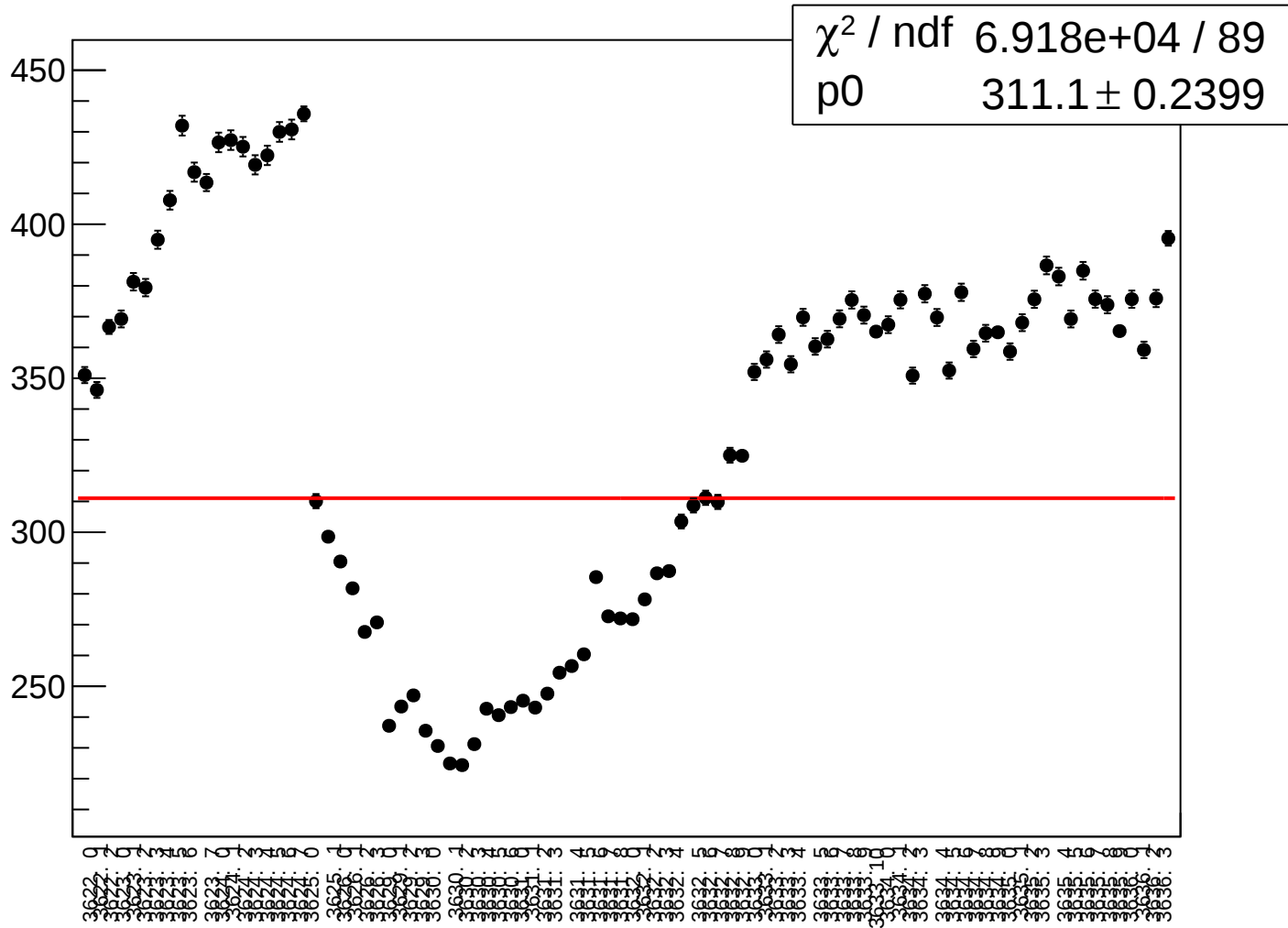
reg_asym_ds_avg_rms vs run



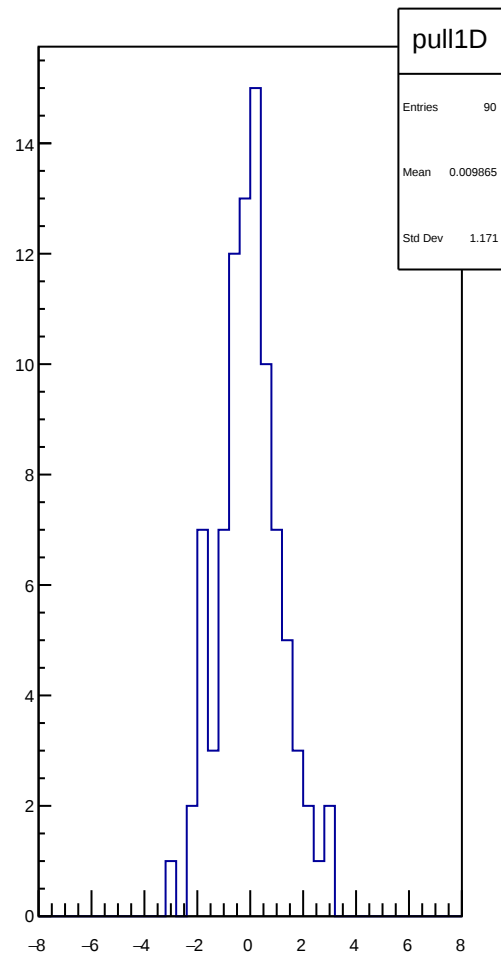
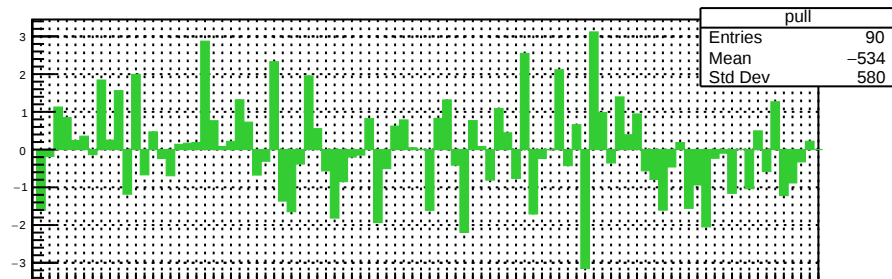
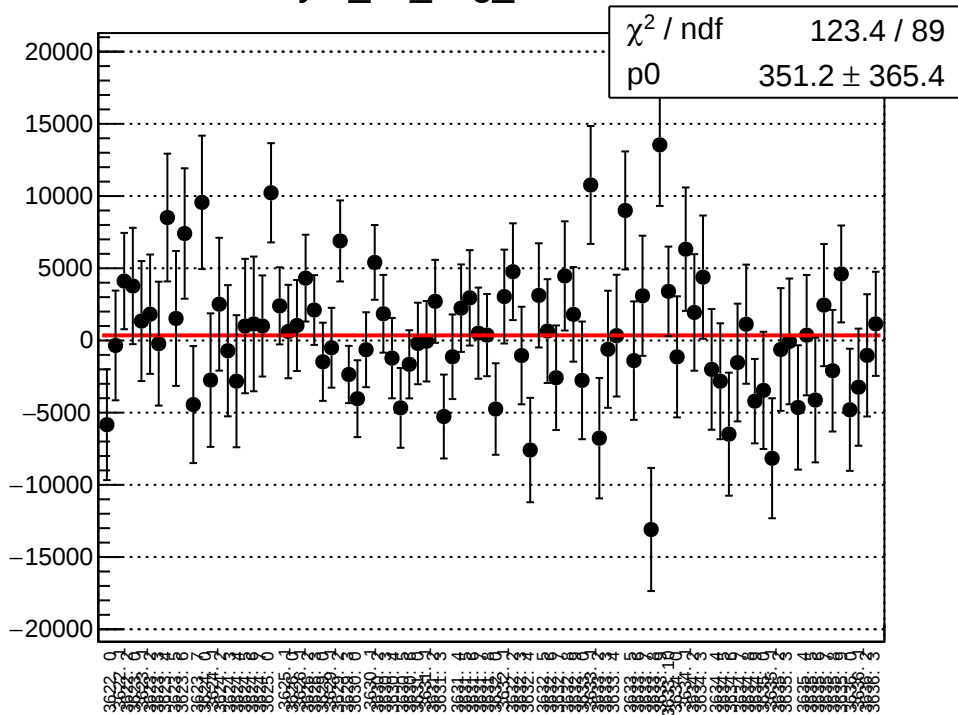
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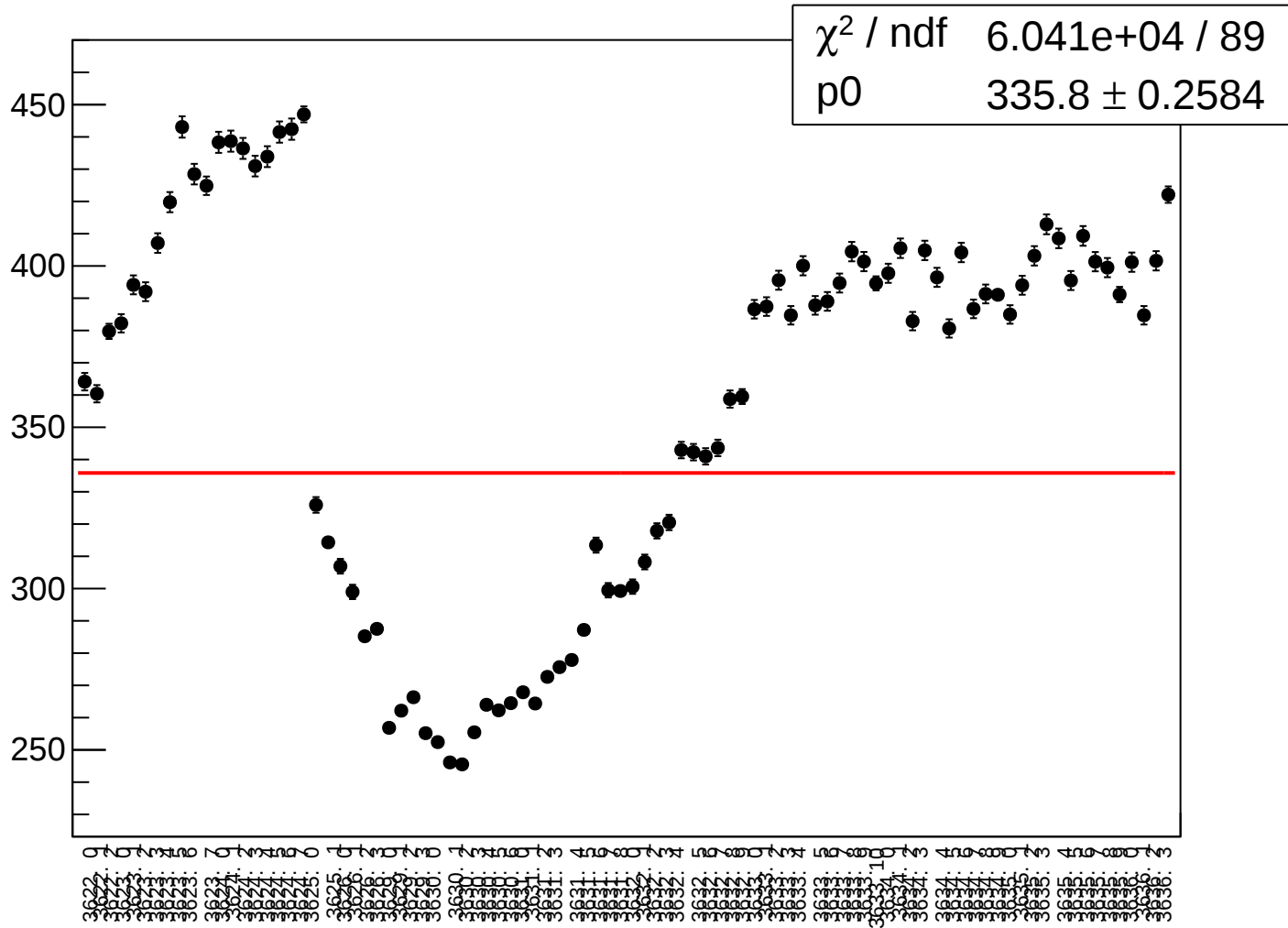
asym_ds_avg_correction_rms vs run



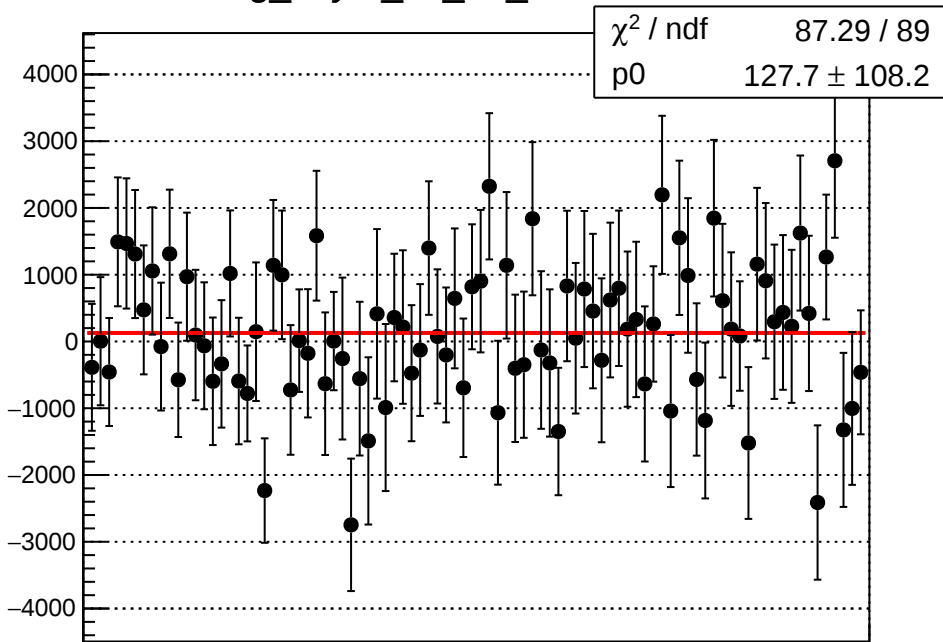
asym_ds_avg_mean vs run



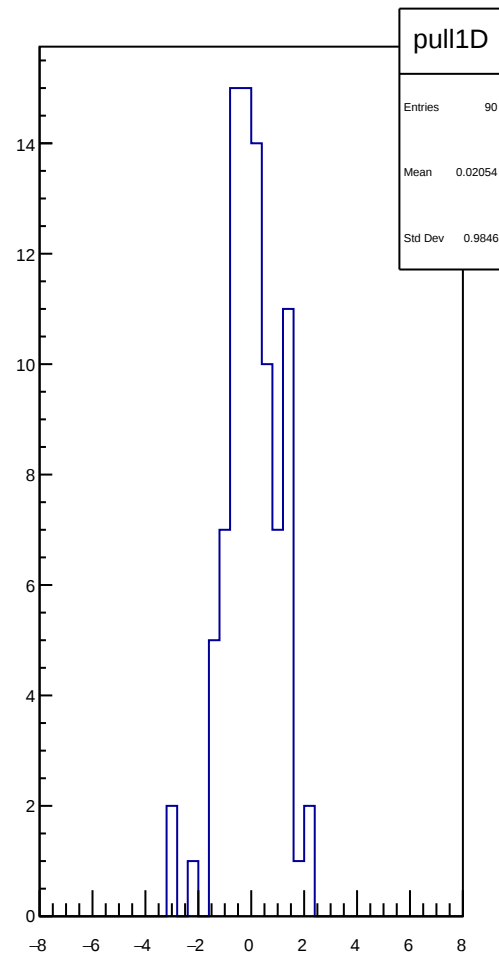
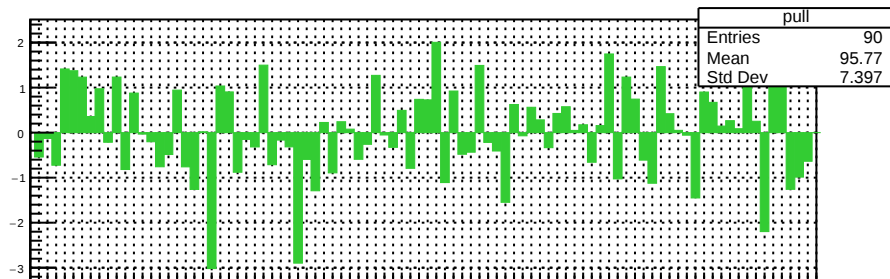
asym_ds_avg_rms vs run



reg_asym_ds_dd_mean vs run



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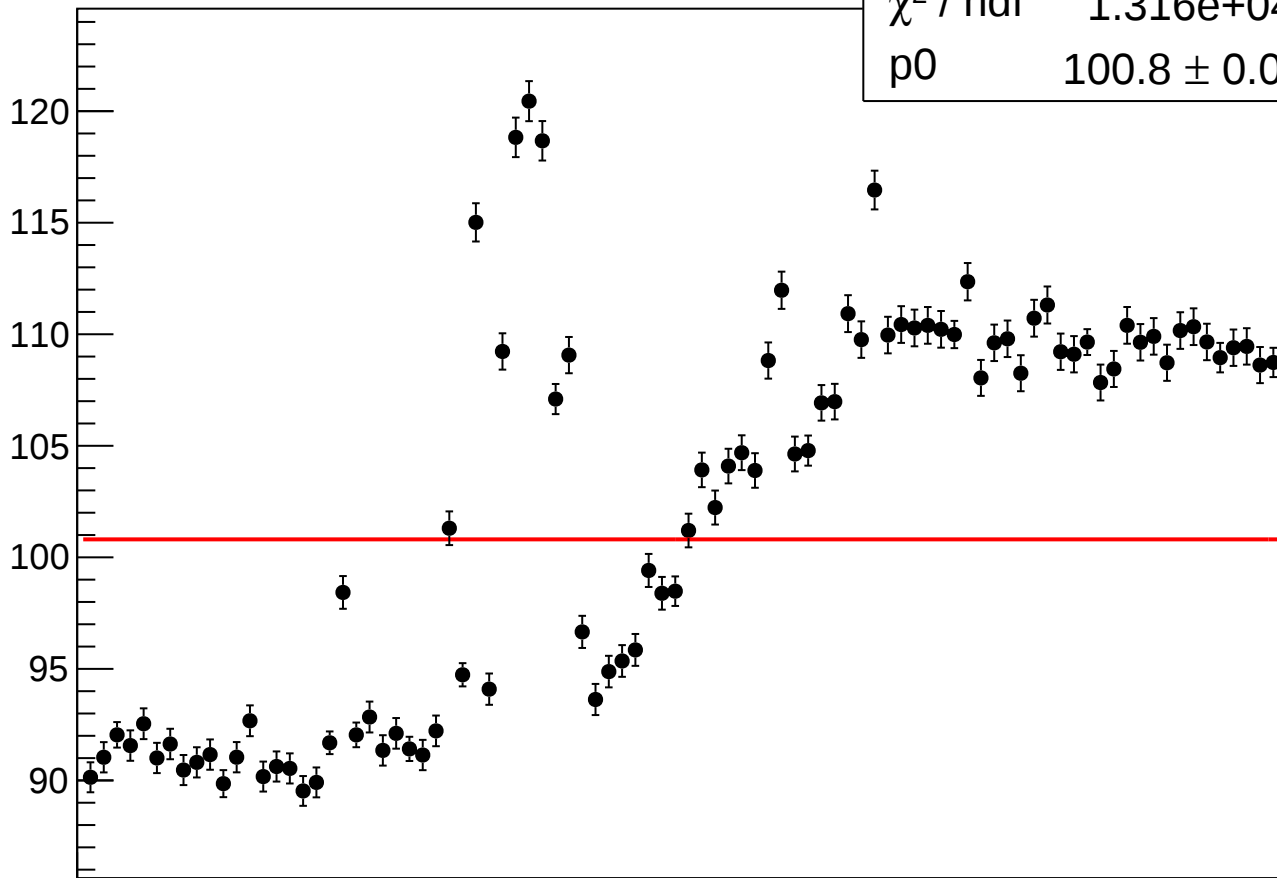
reg_asym_ds_dd_rms vs run

χ^2 / ndf

1.316e+04 / 89

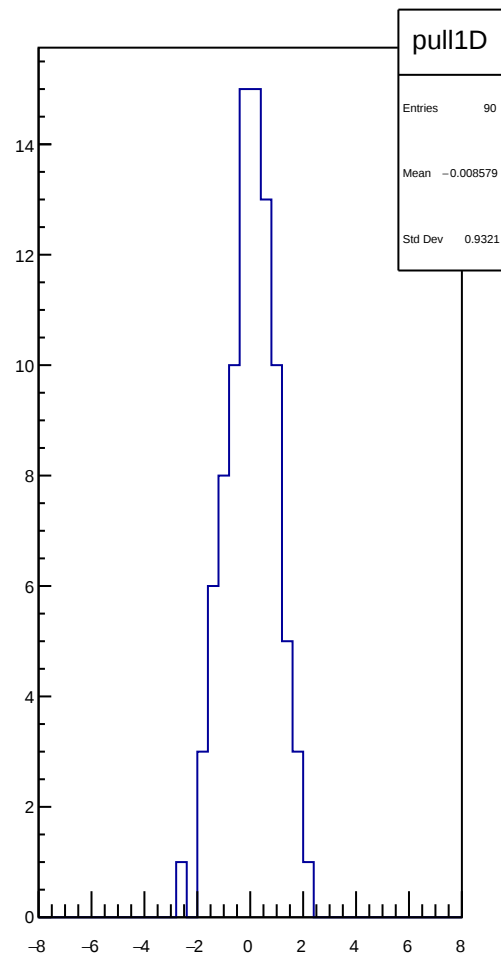
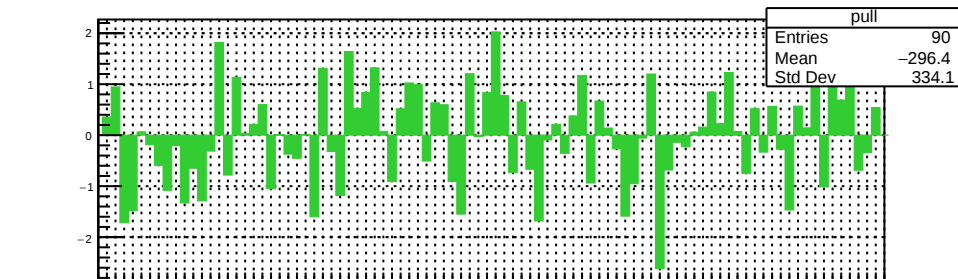
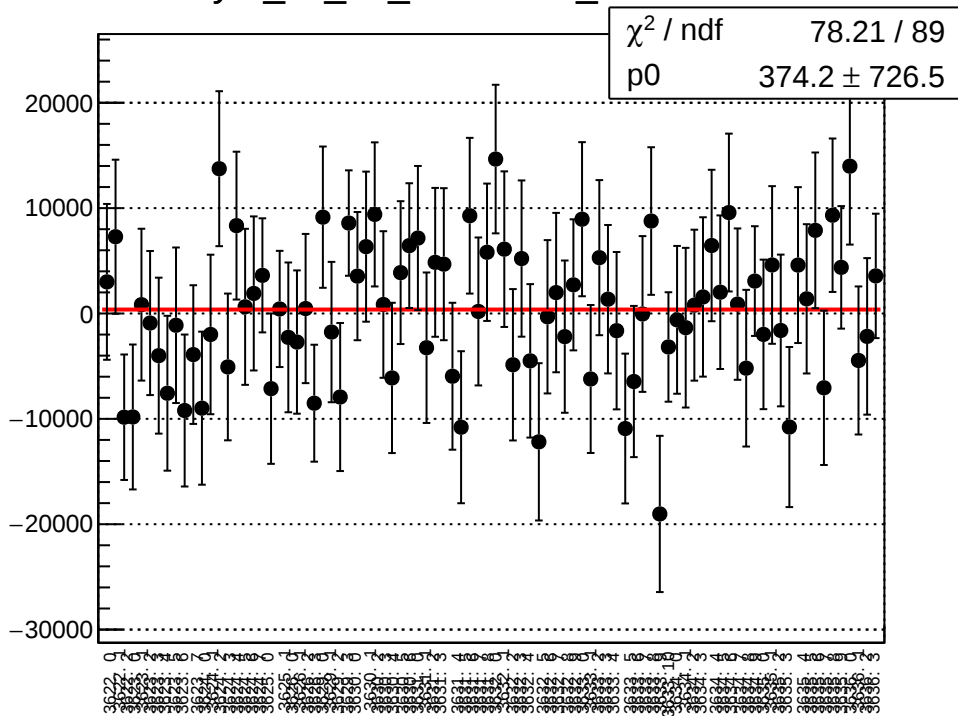
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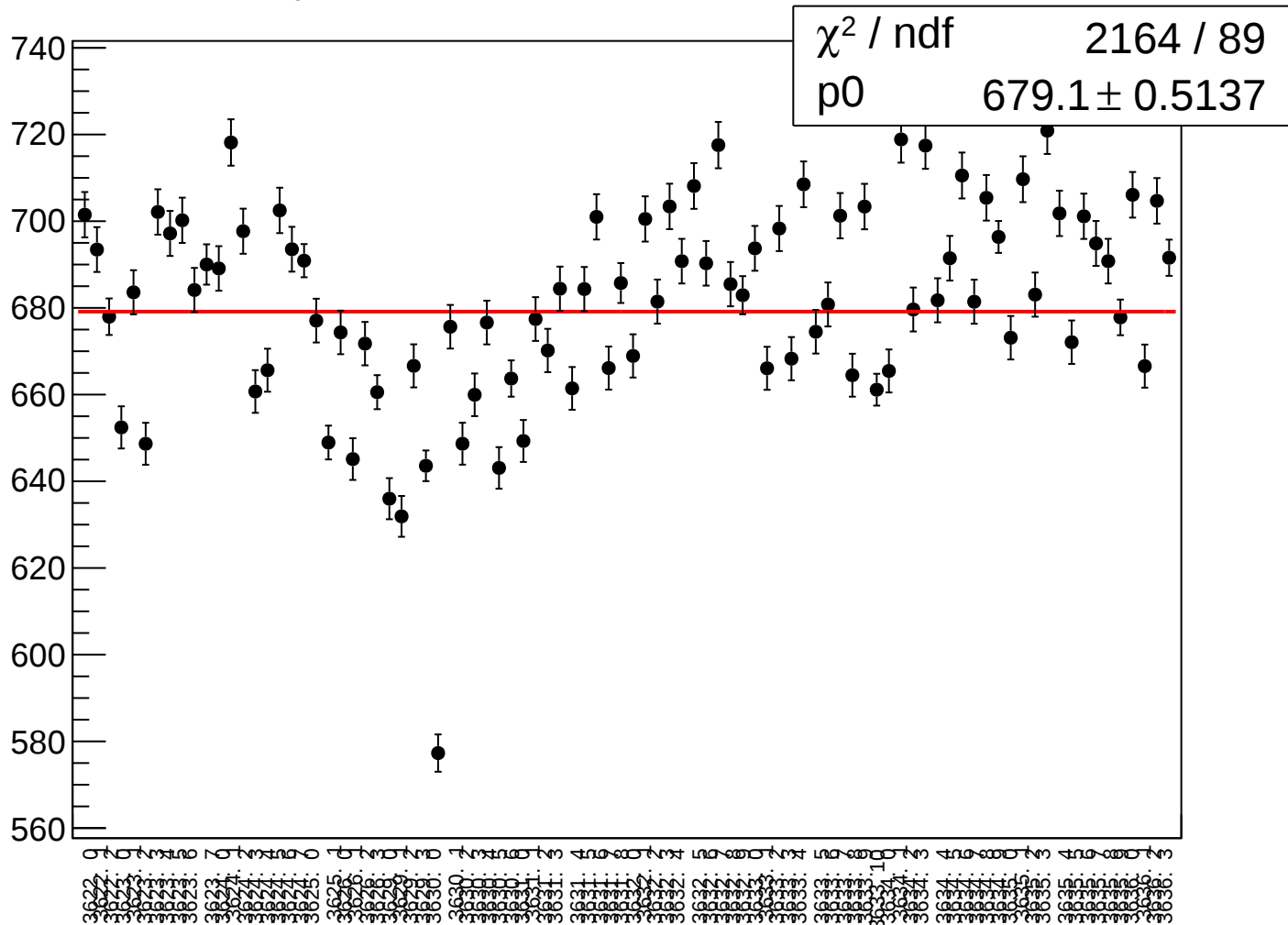


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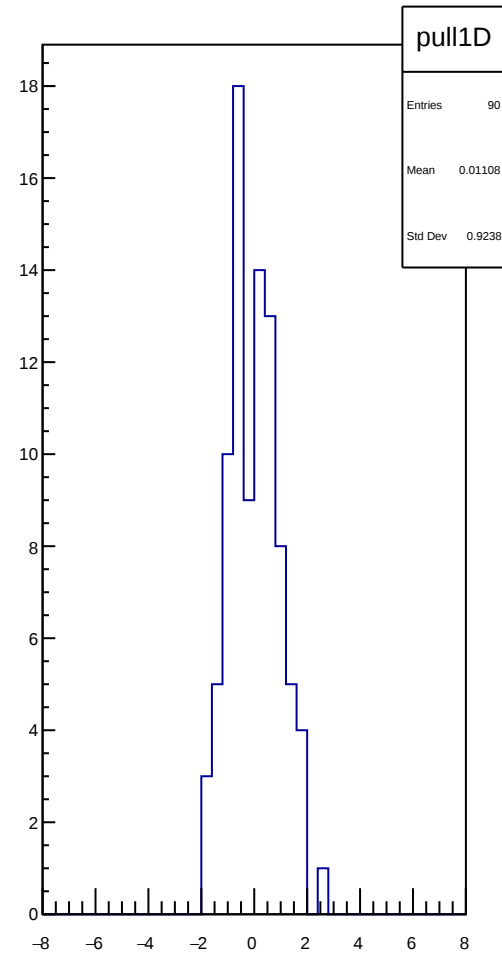
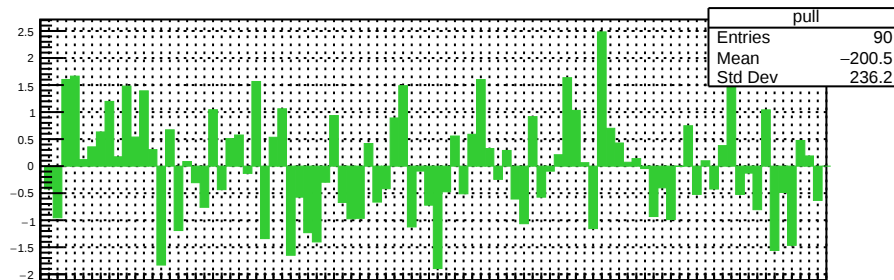
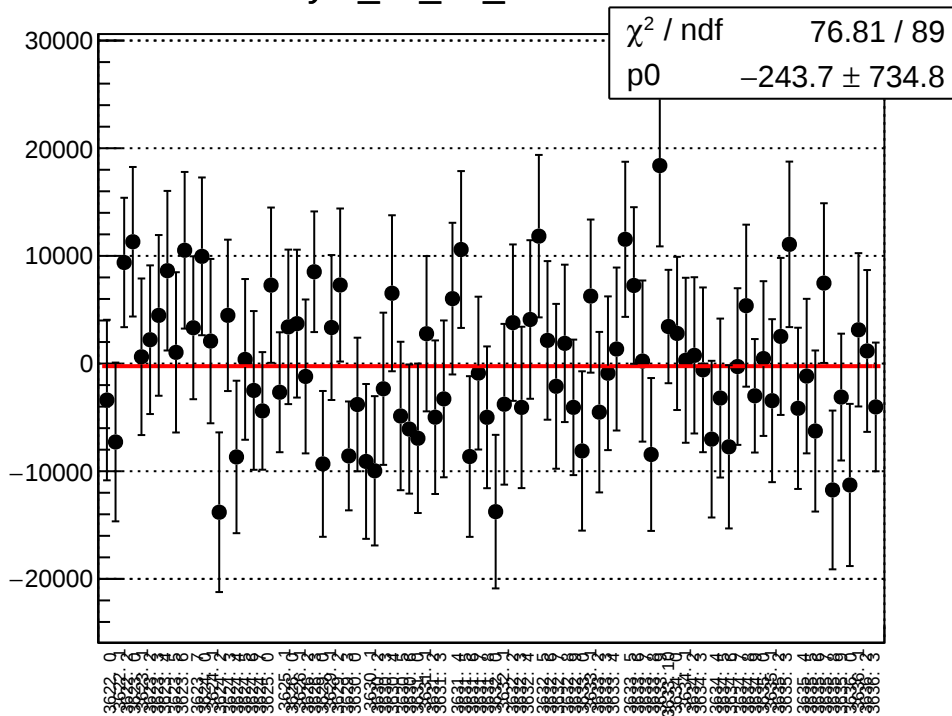
asym_ds_dd_correction_mean vs run



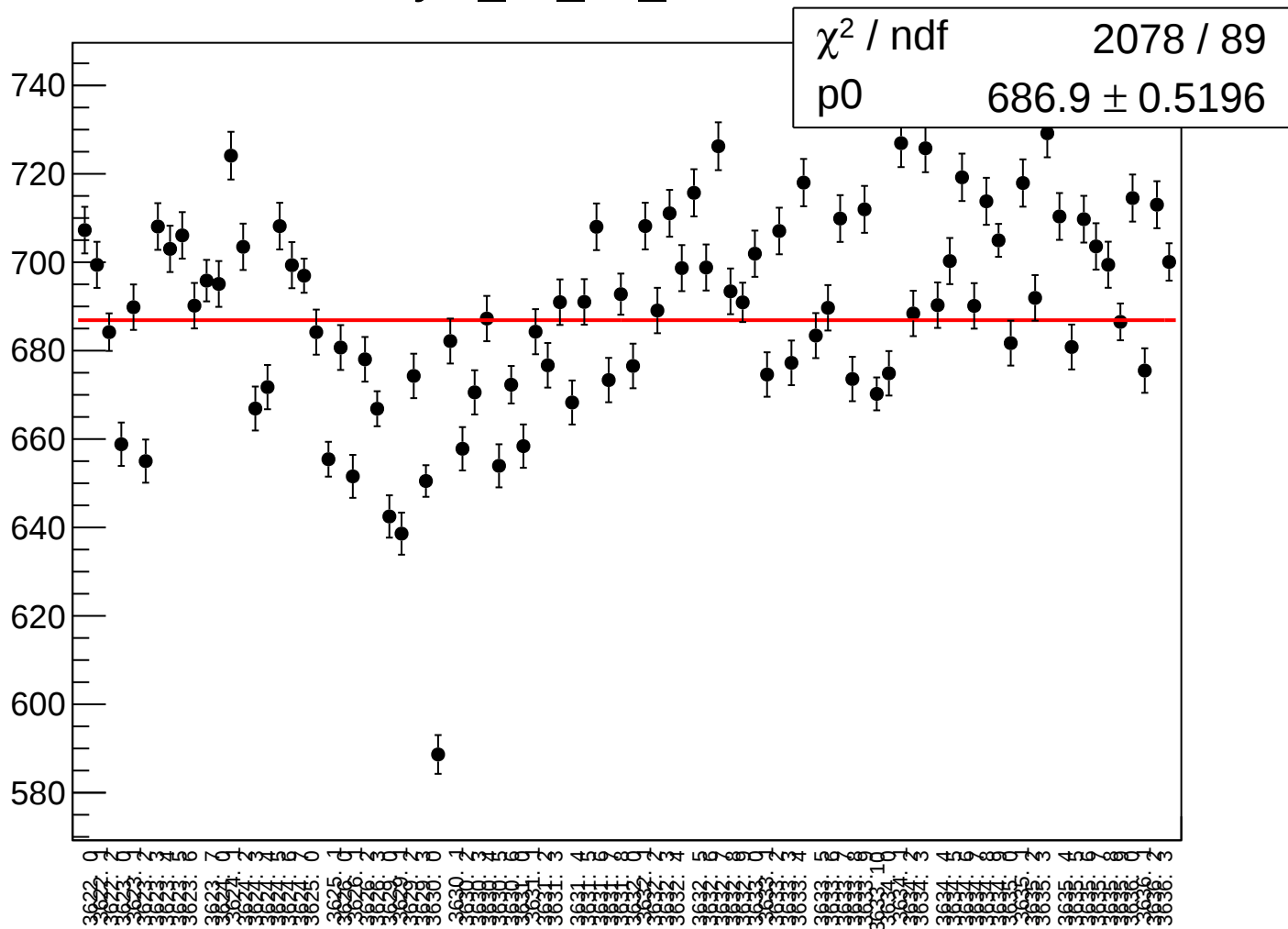
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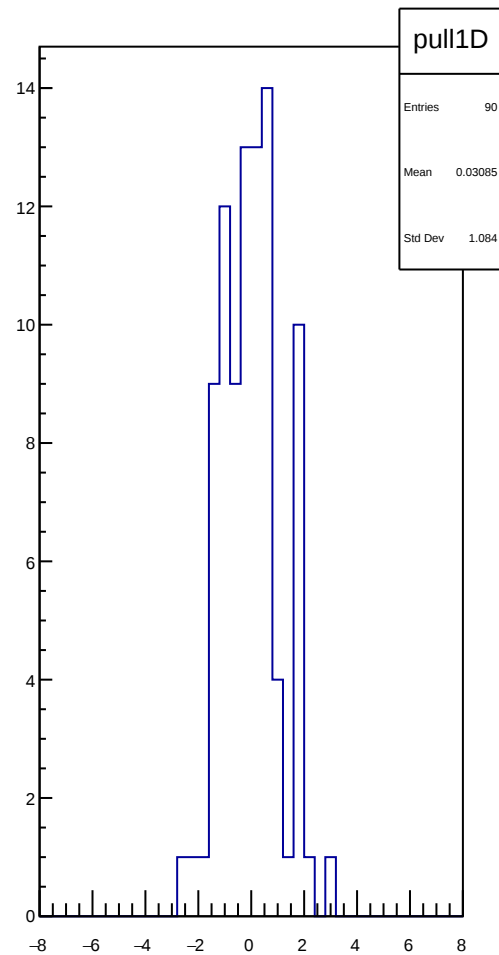
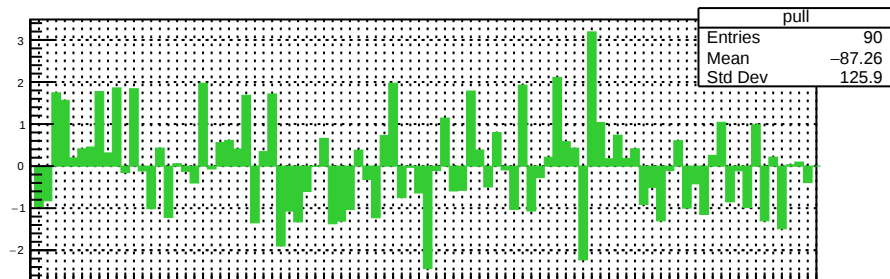
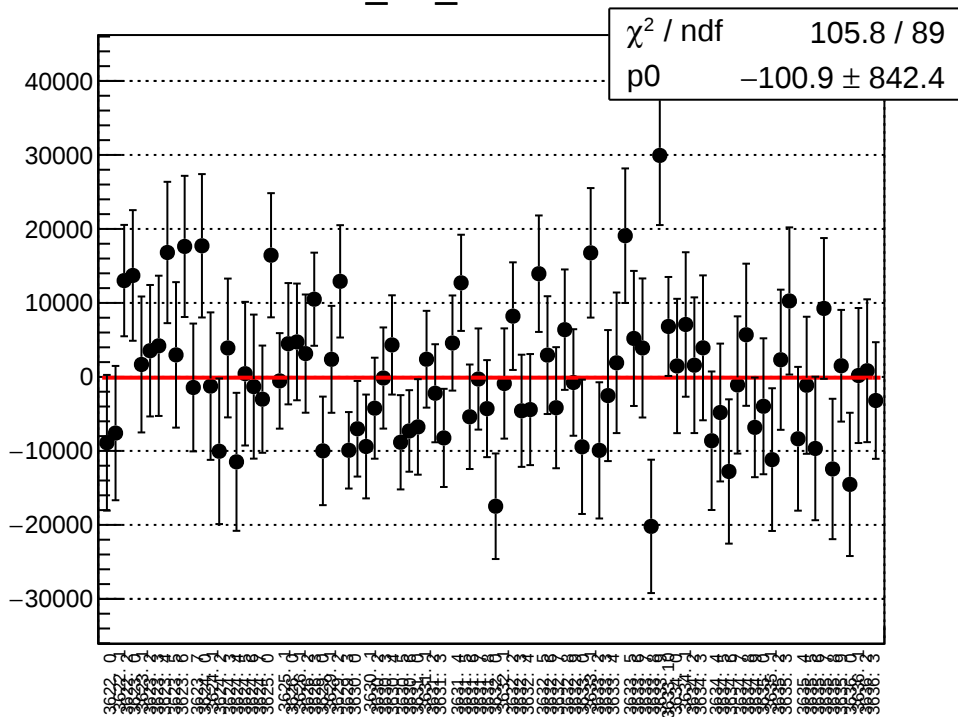
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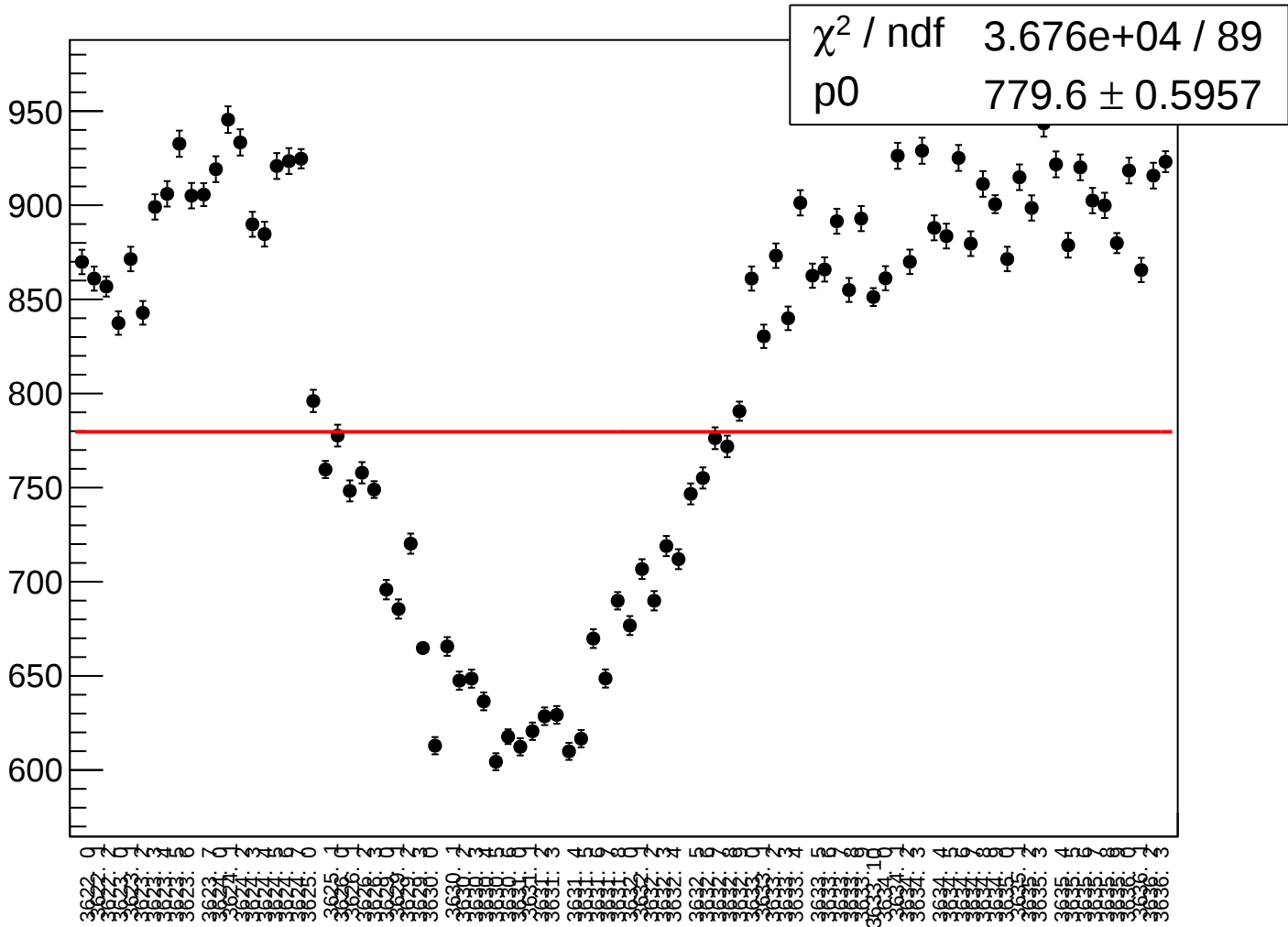
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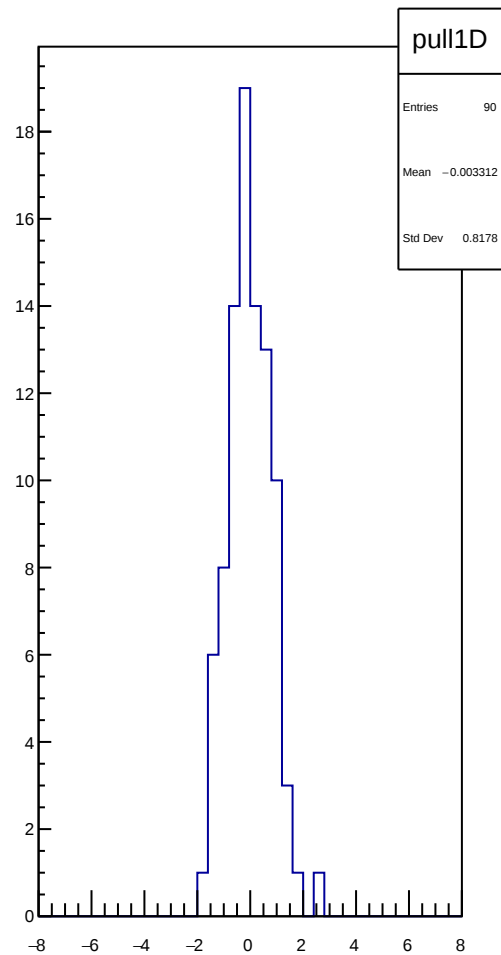
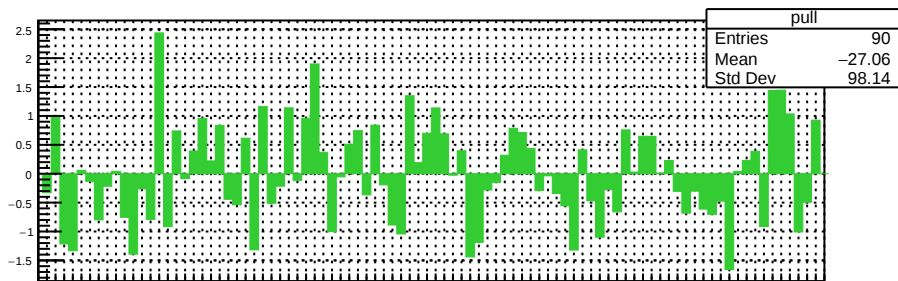
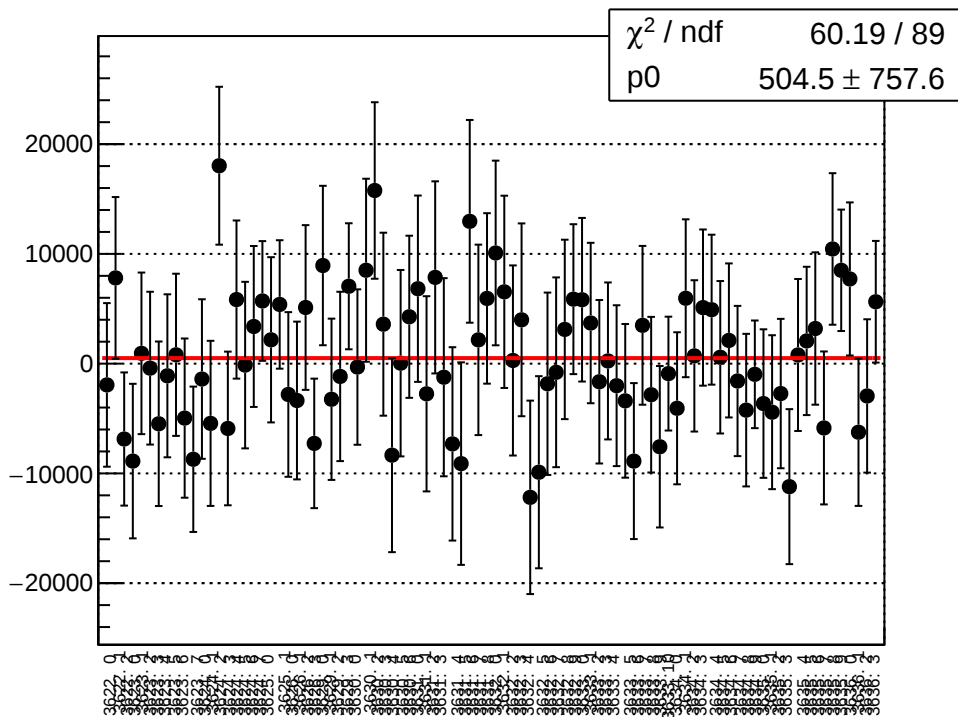
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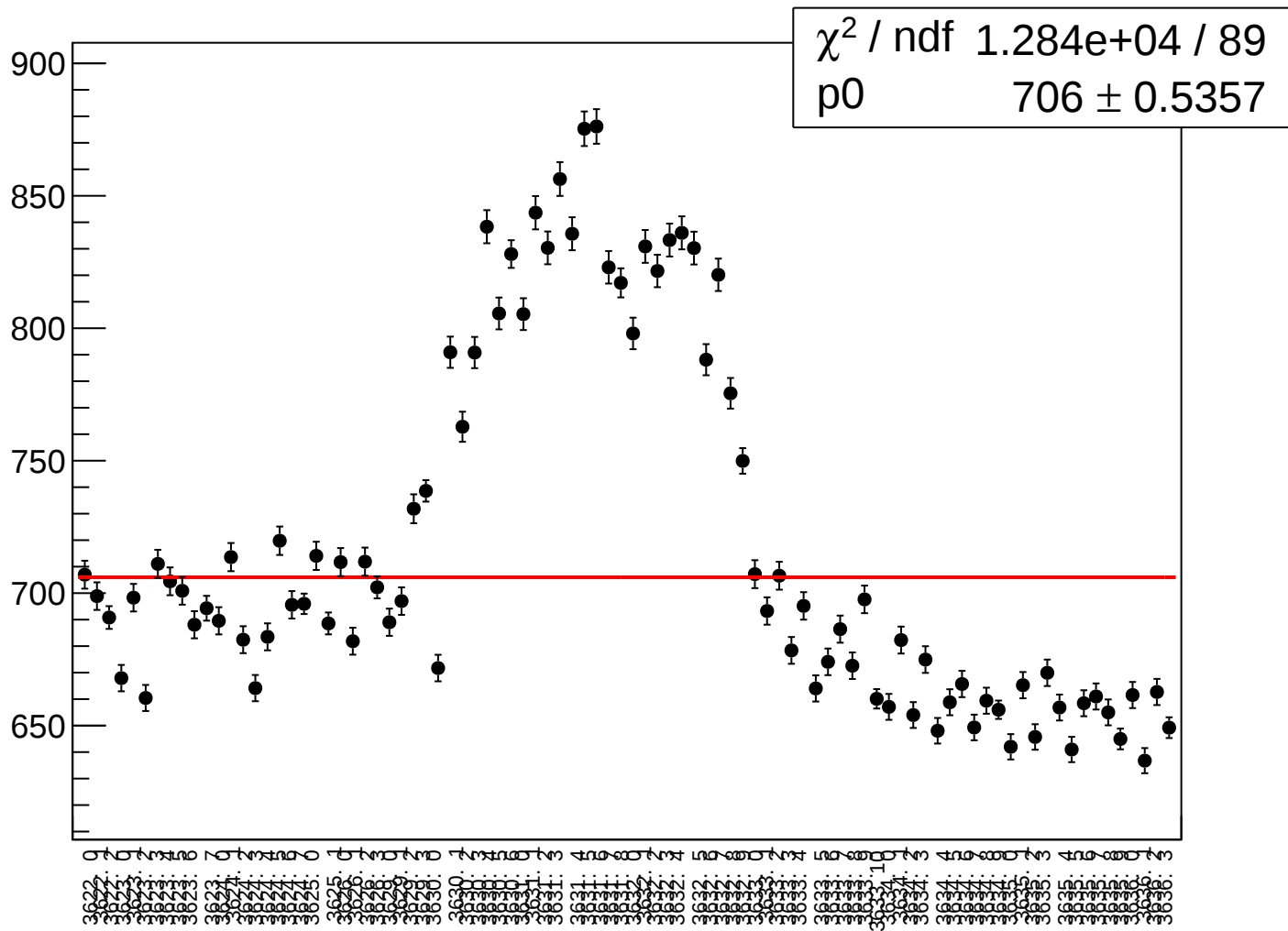
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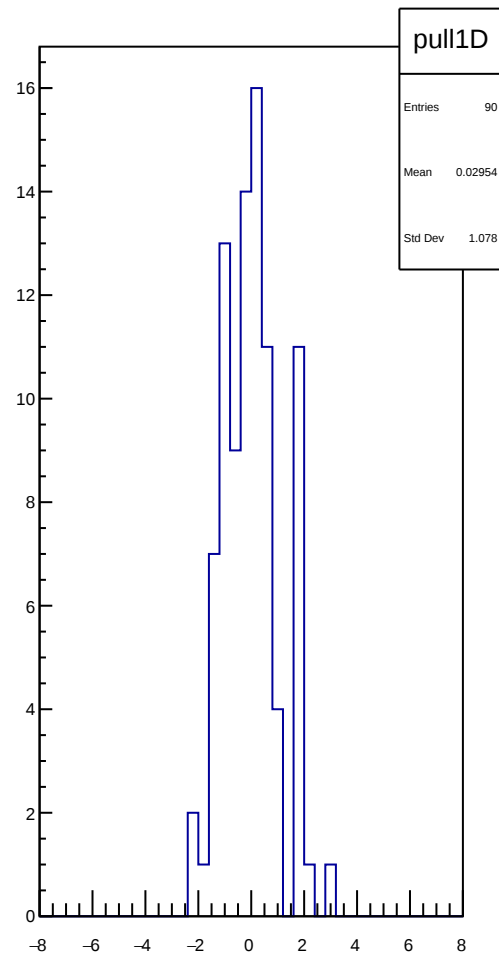
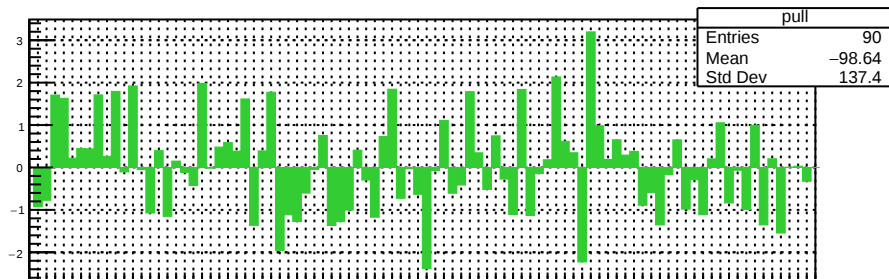
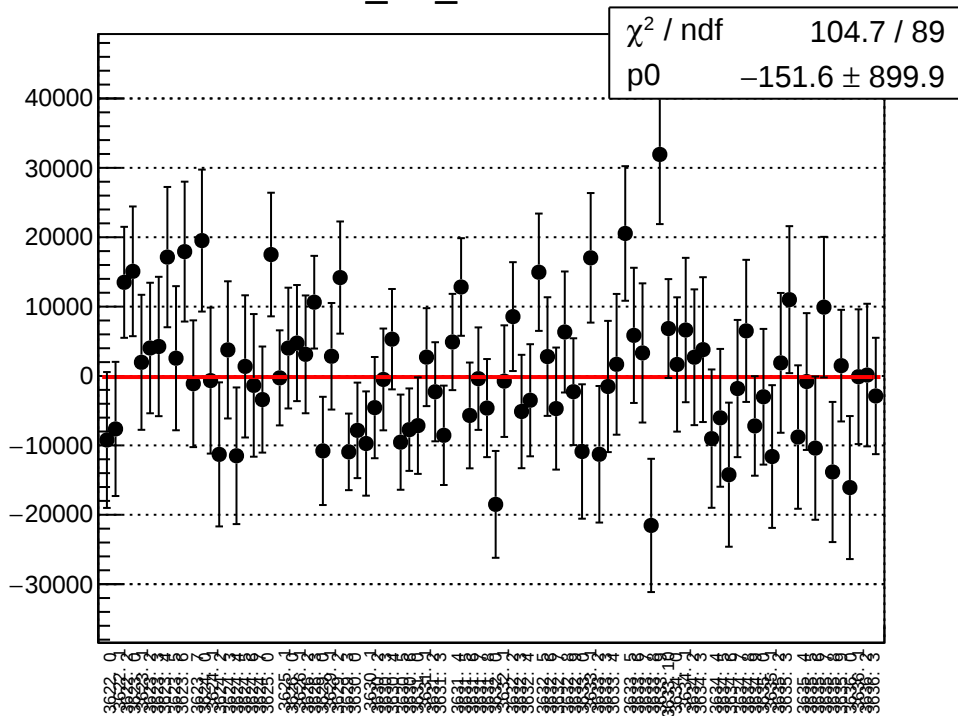
cor_usr_mean vs run



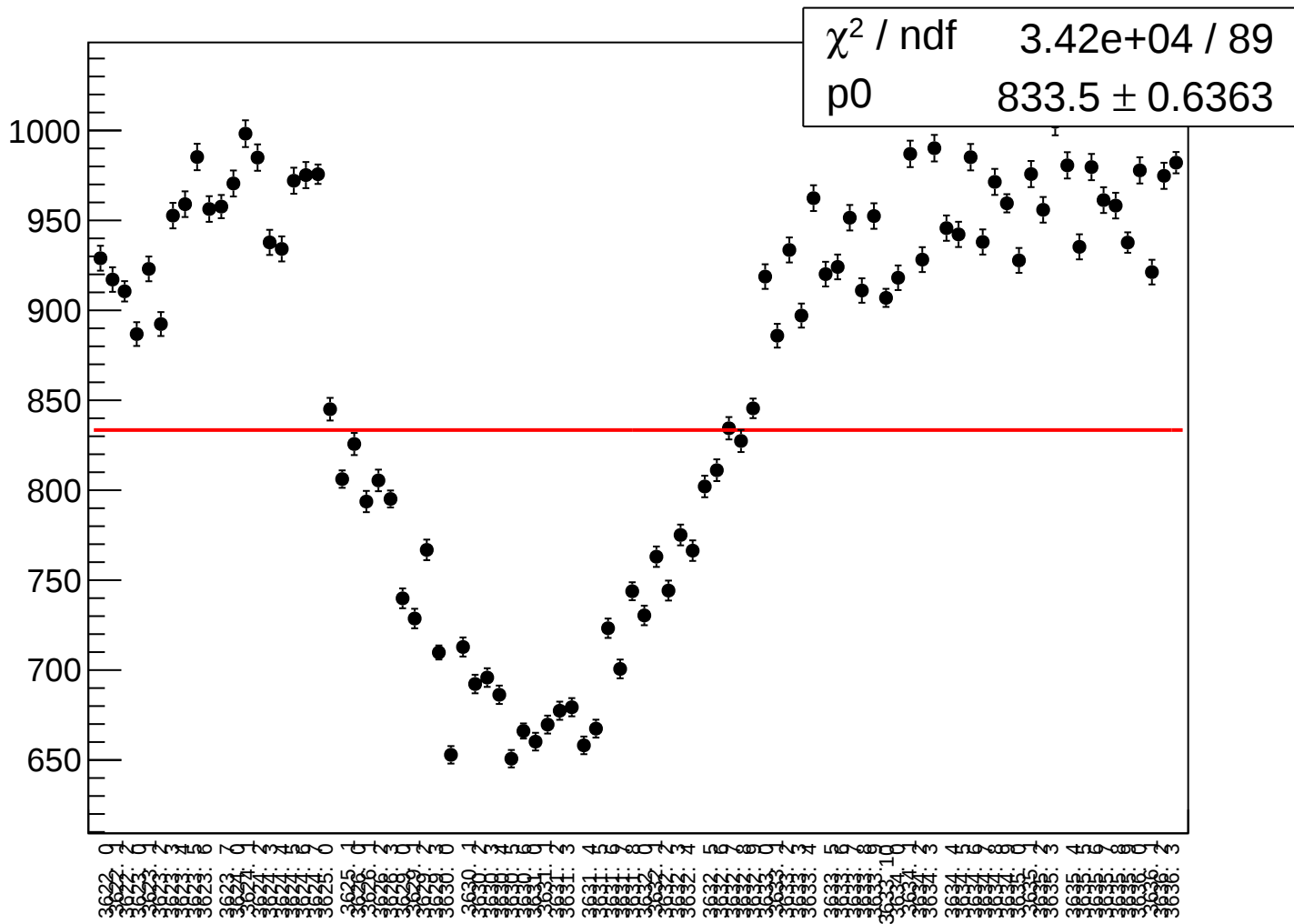
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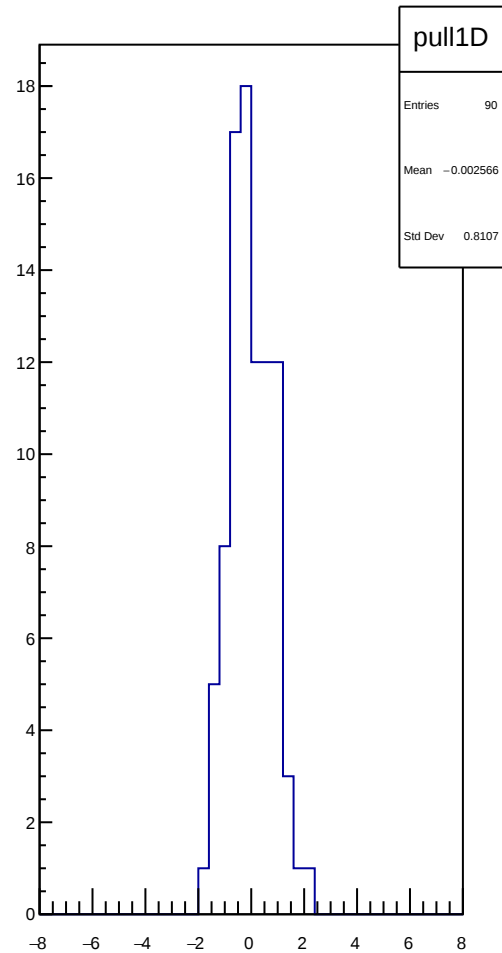
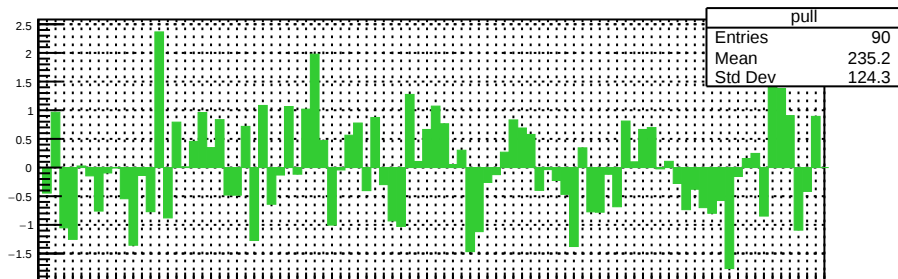
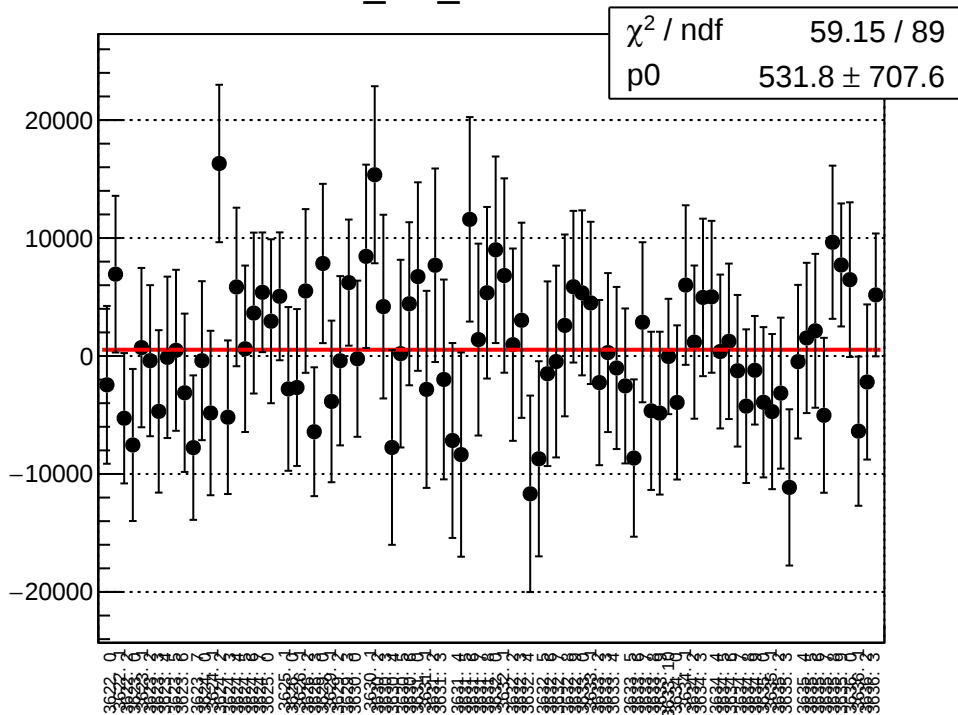
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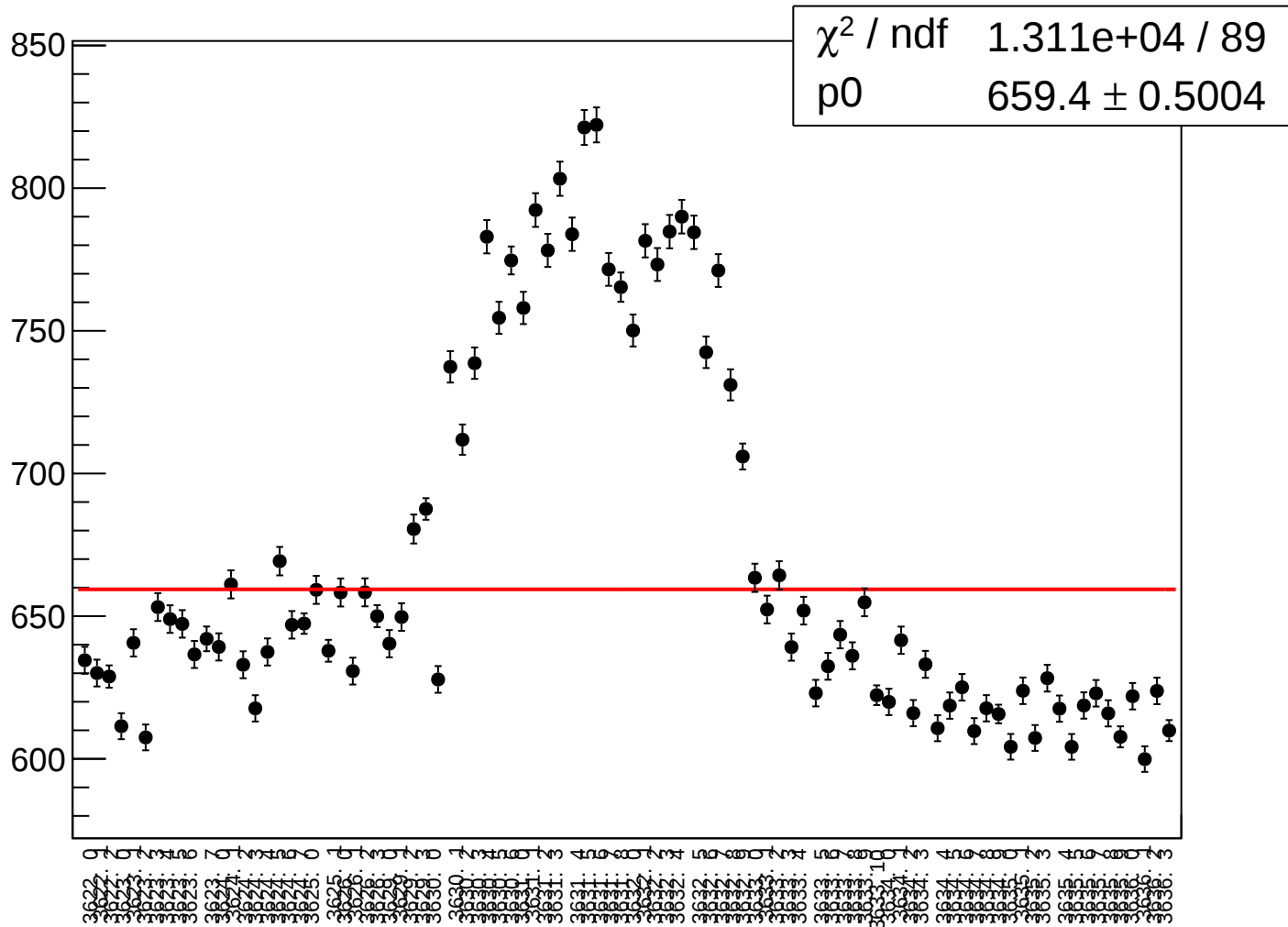
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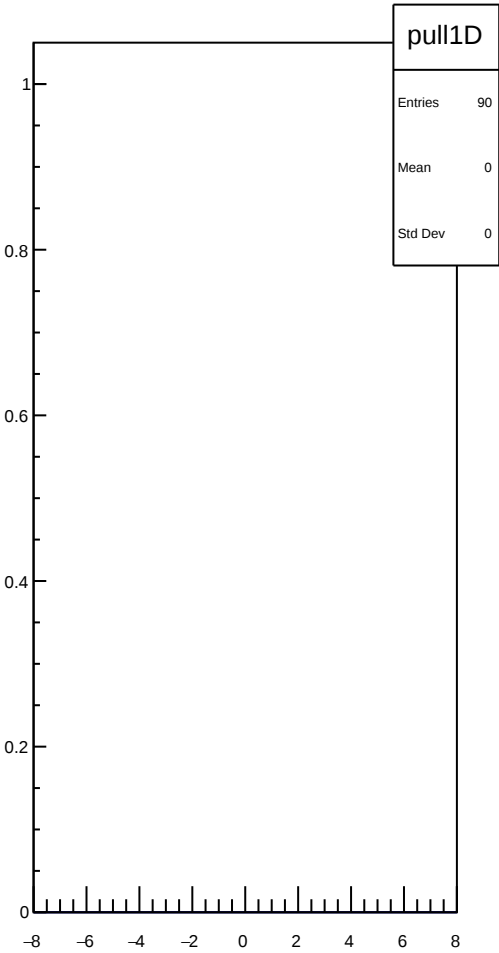
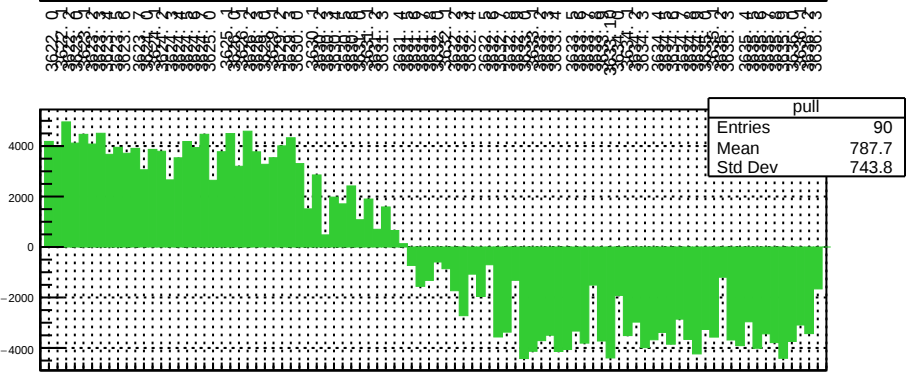
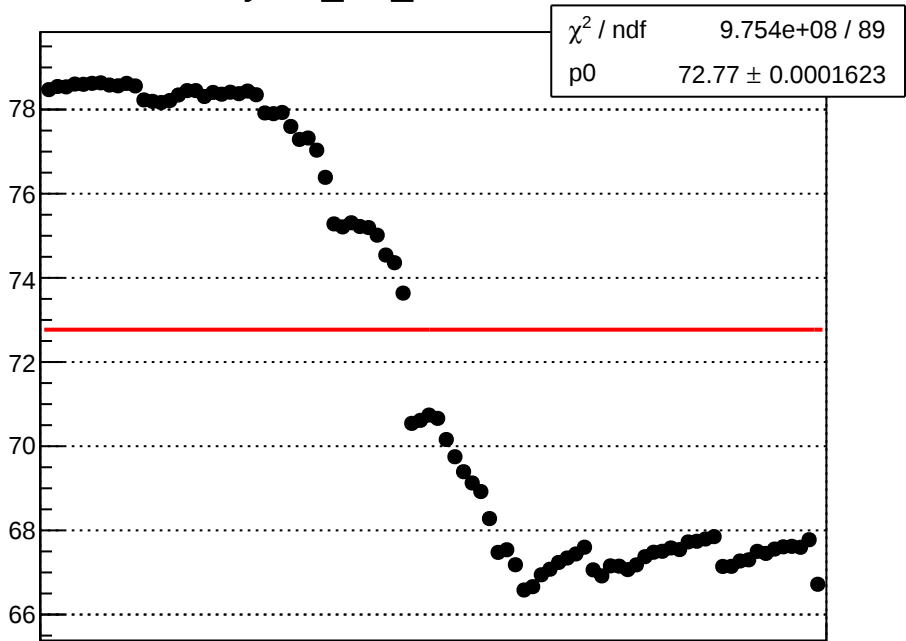
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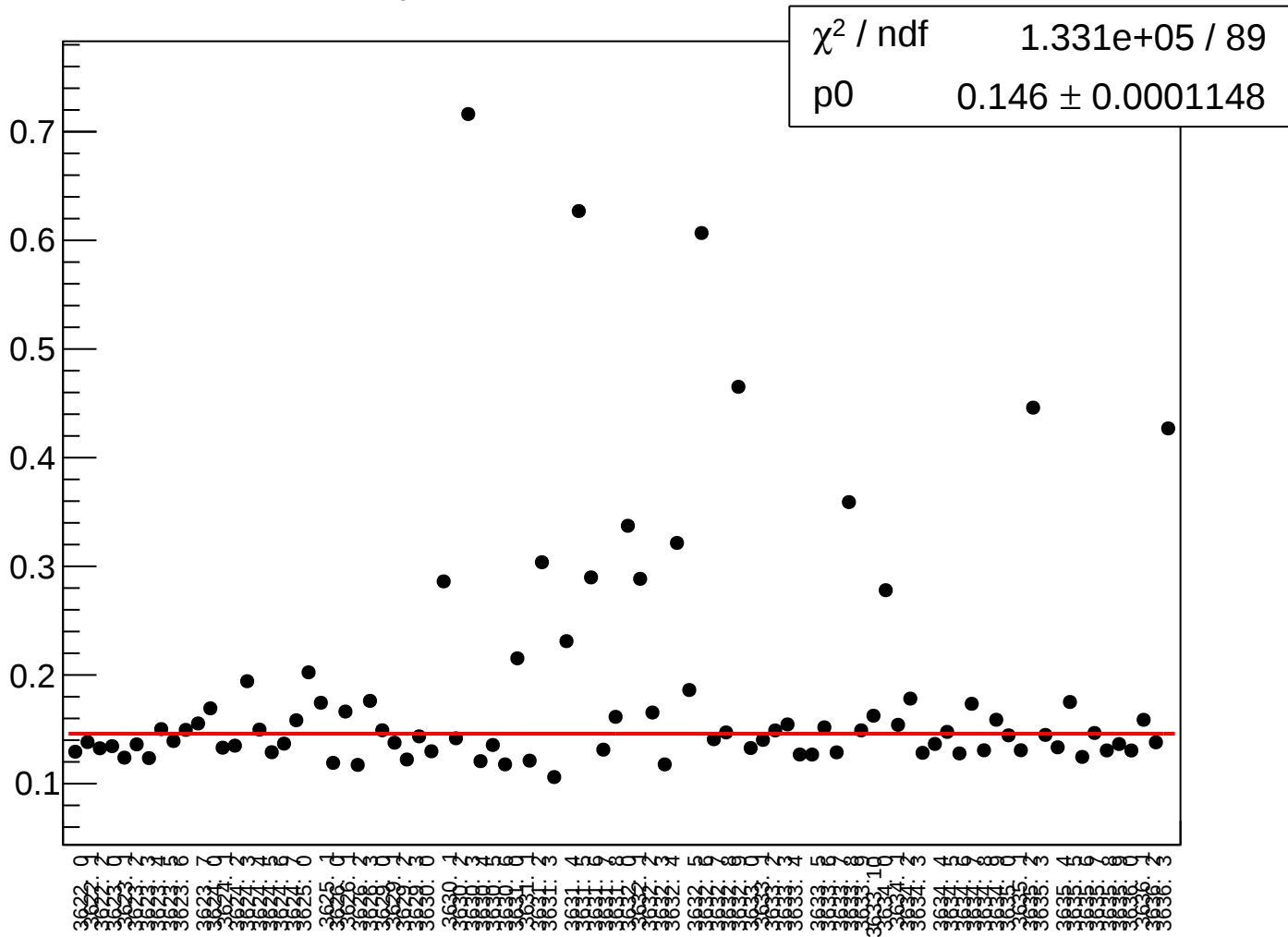
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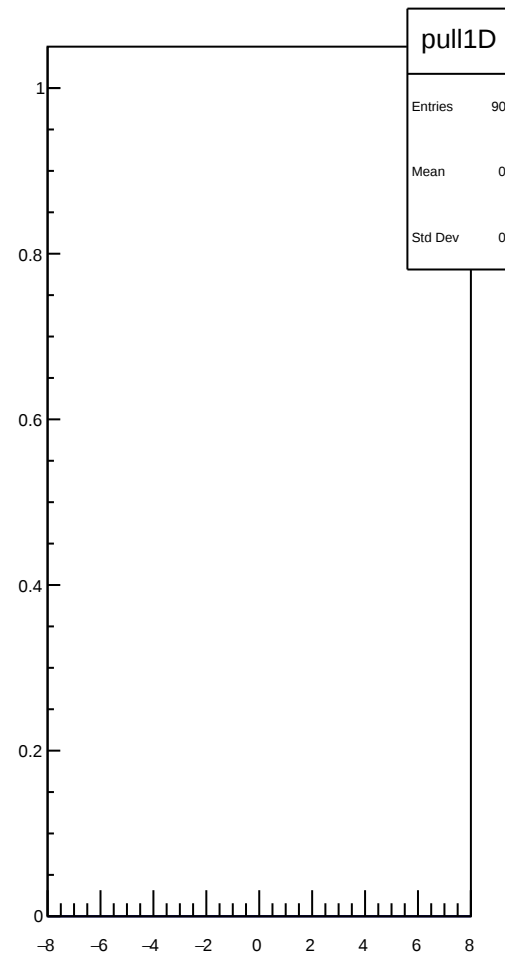
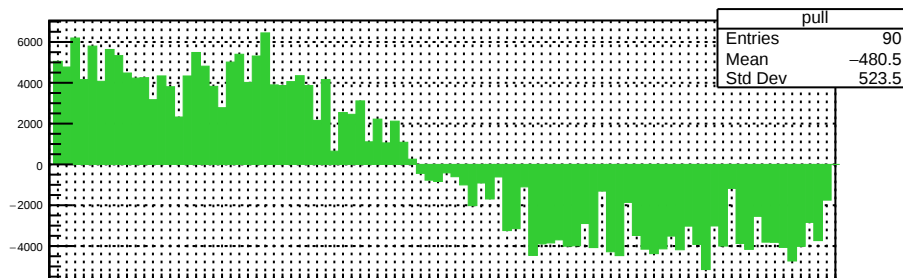
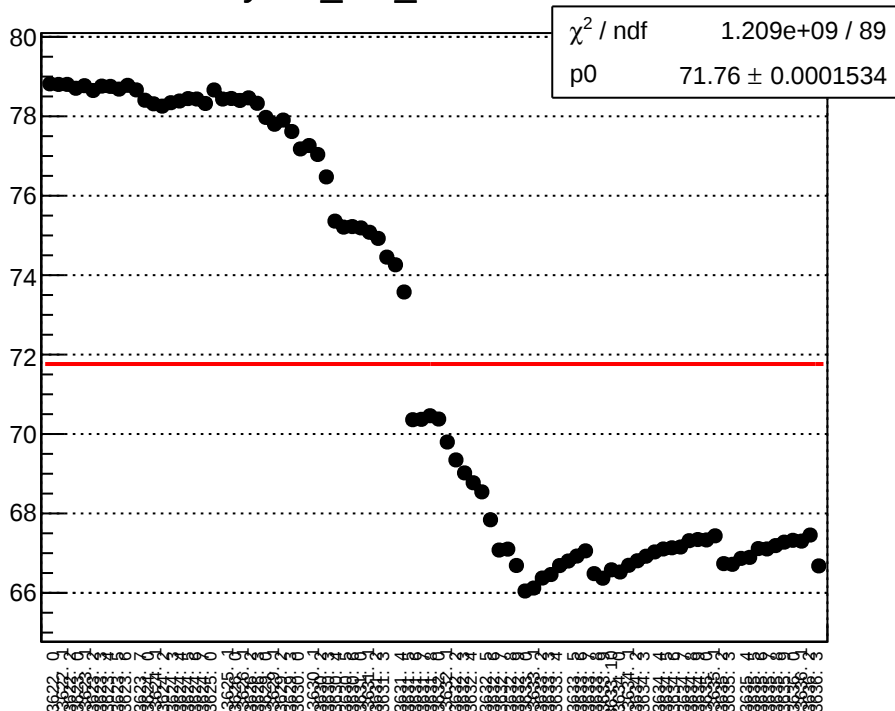
yield_usl_mean vs run



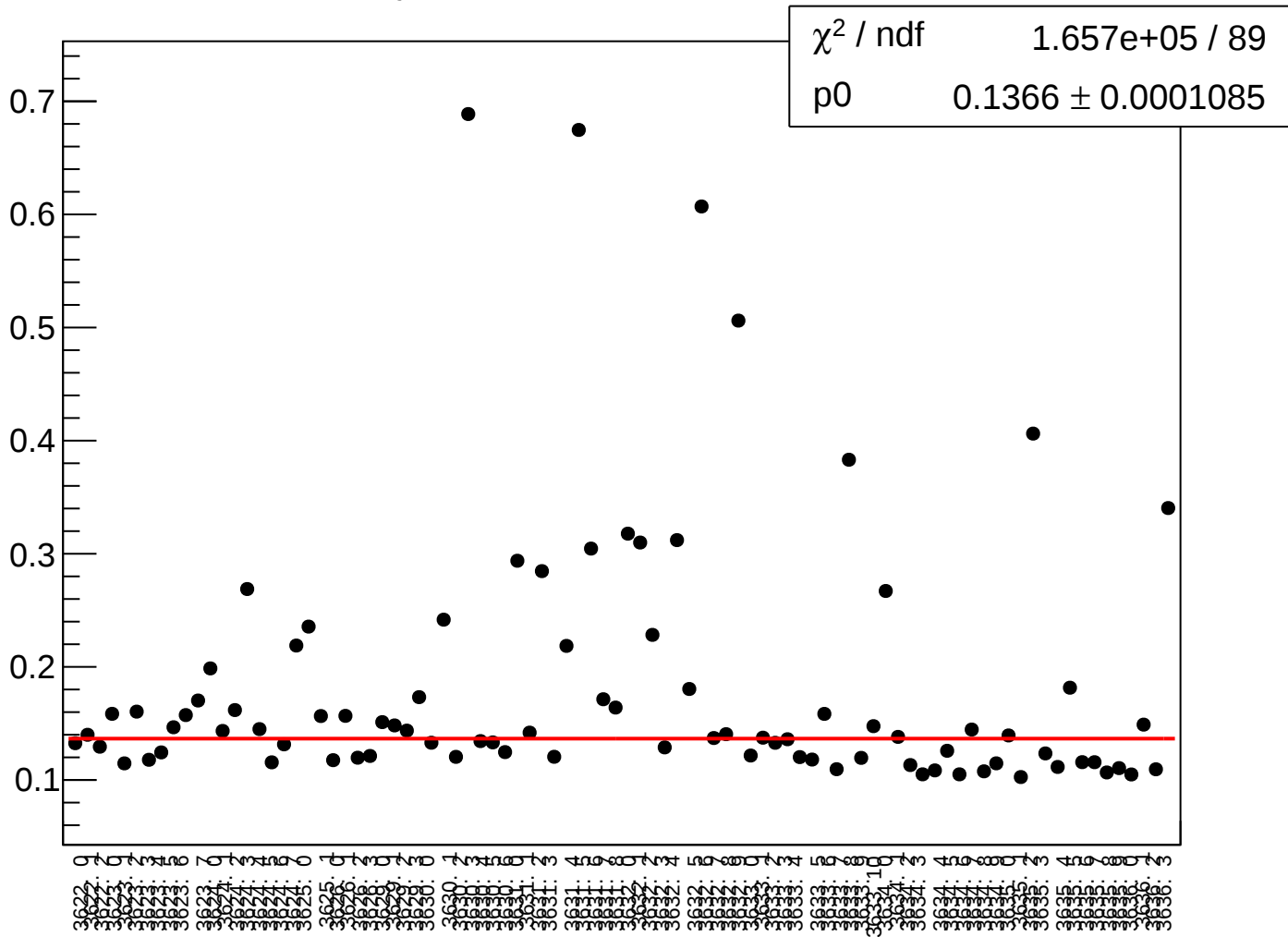
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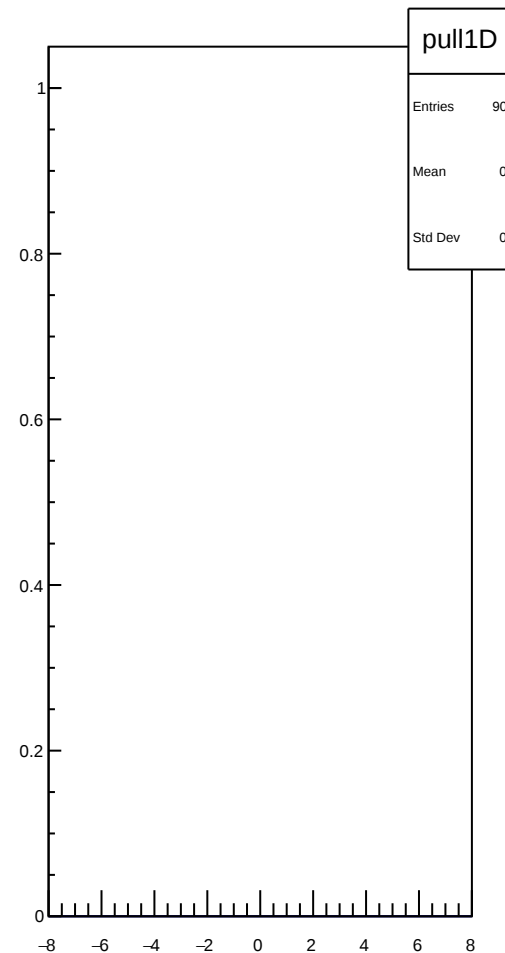
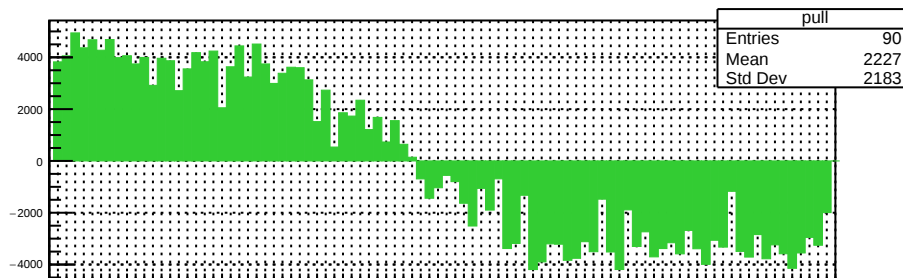
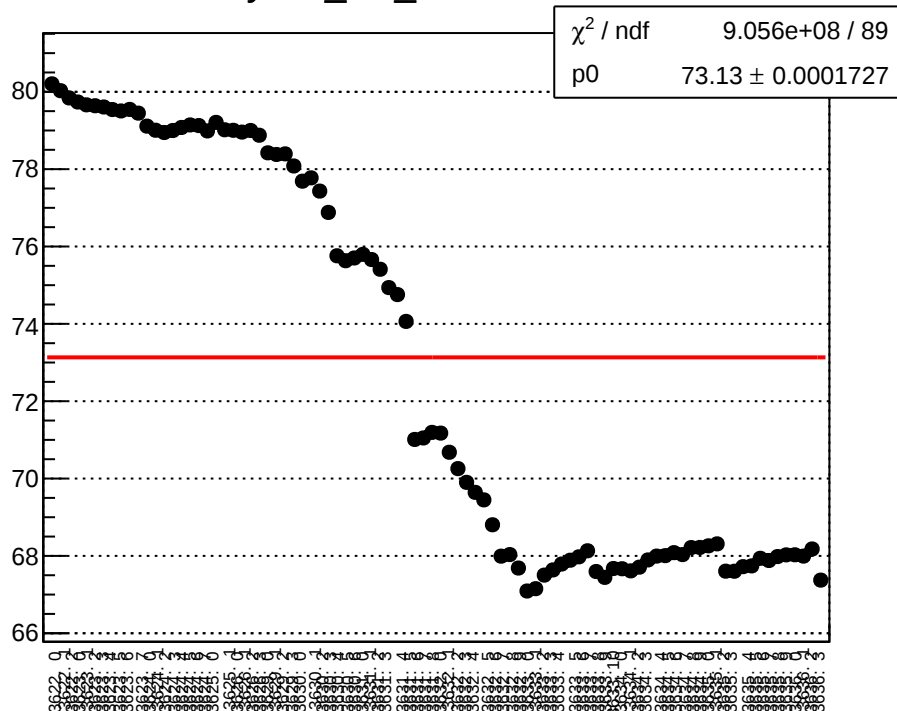
yield_usr_mean vs run



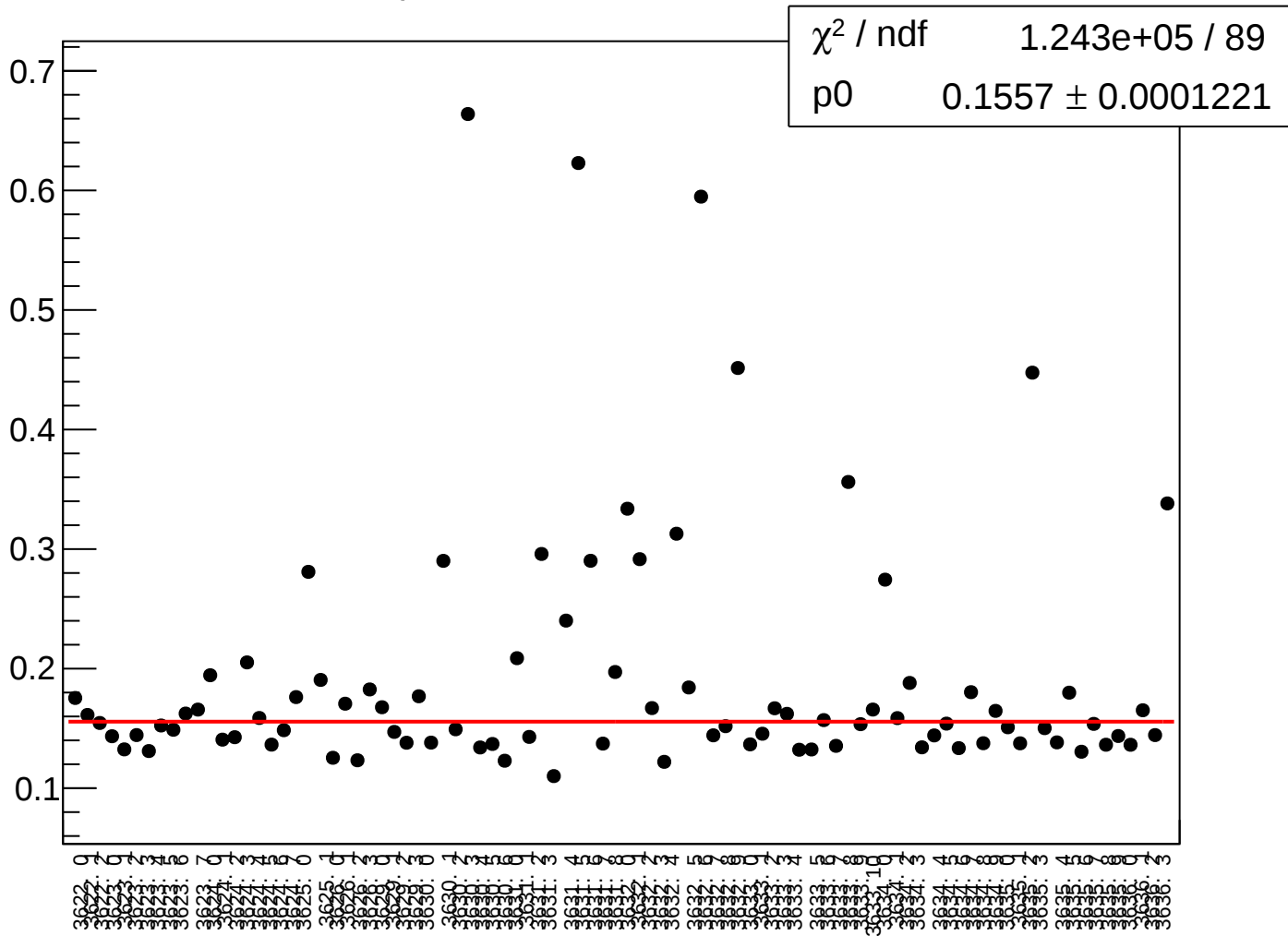
yield_usr_rms vs run



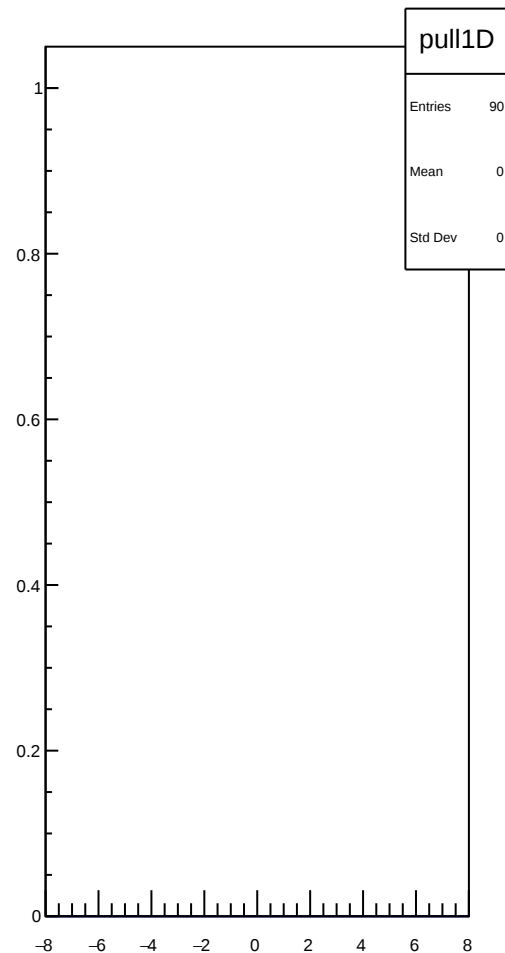
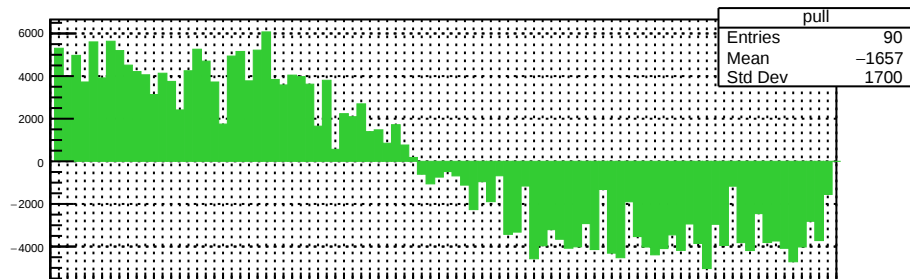
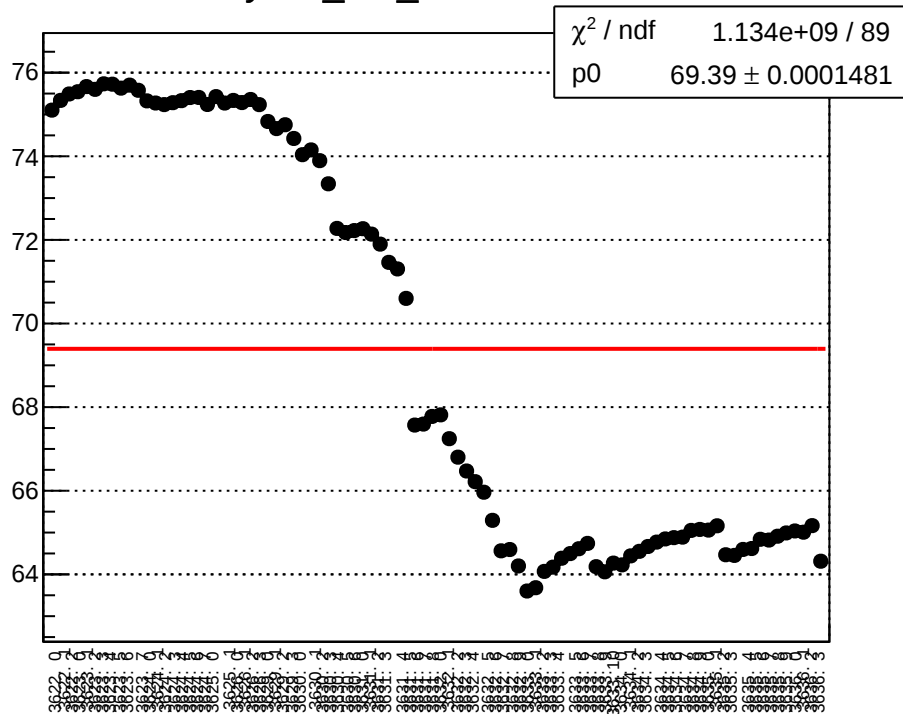
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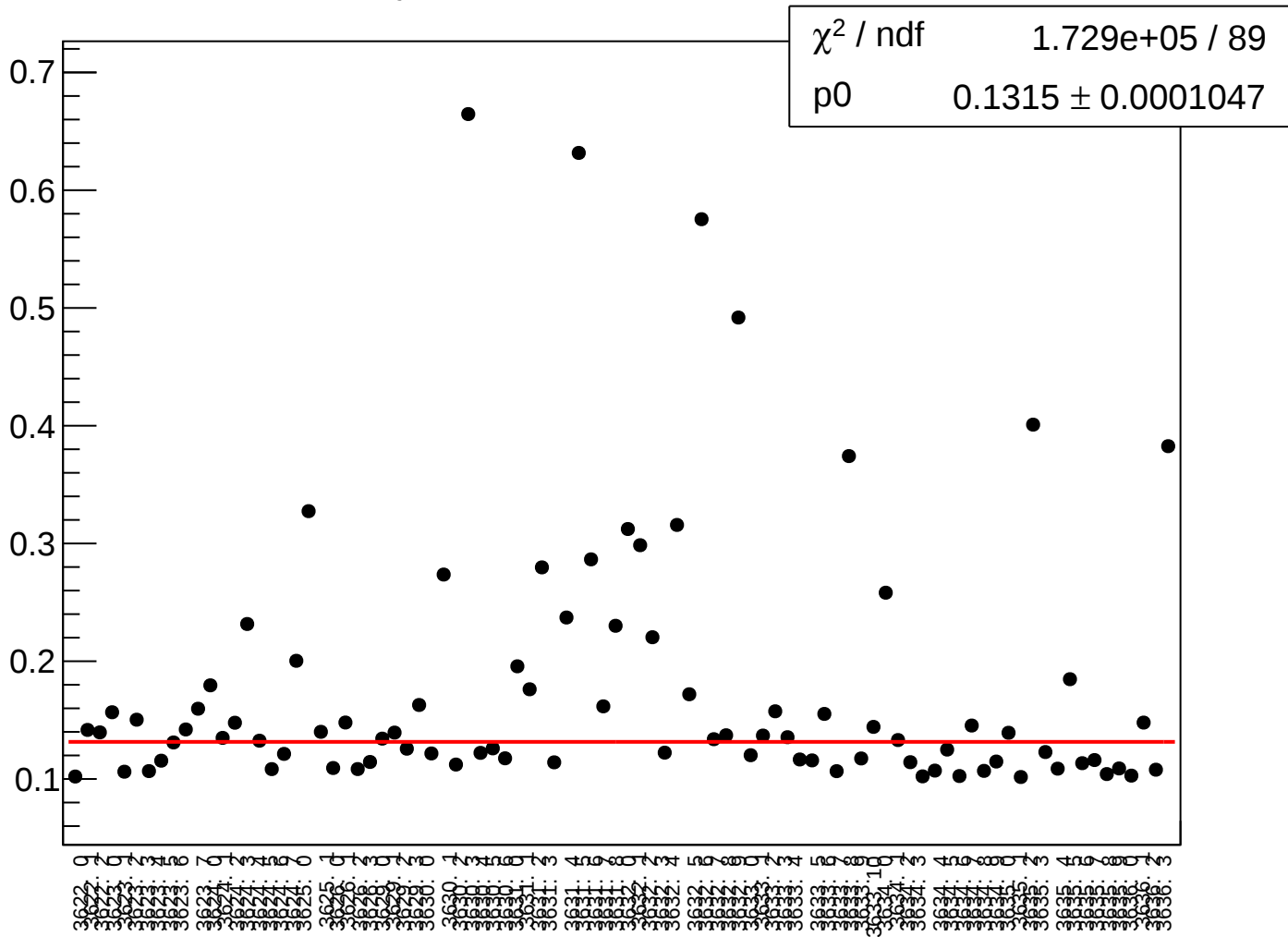
yield_dsl_rms vs run



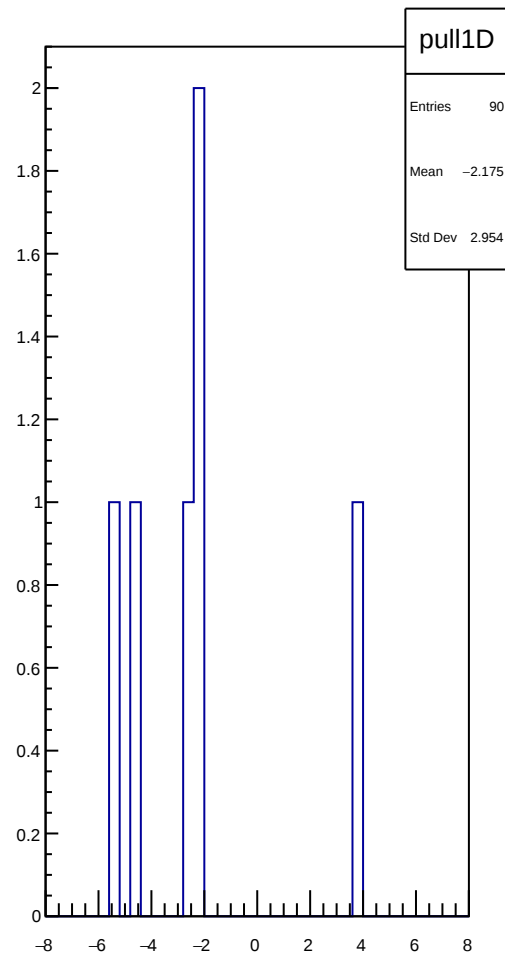
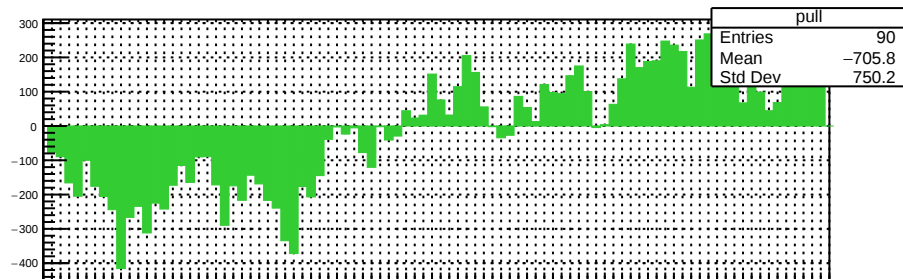
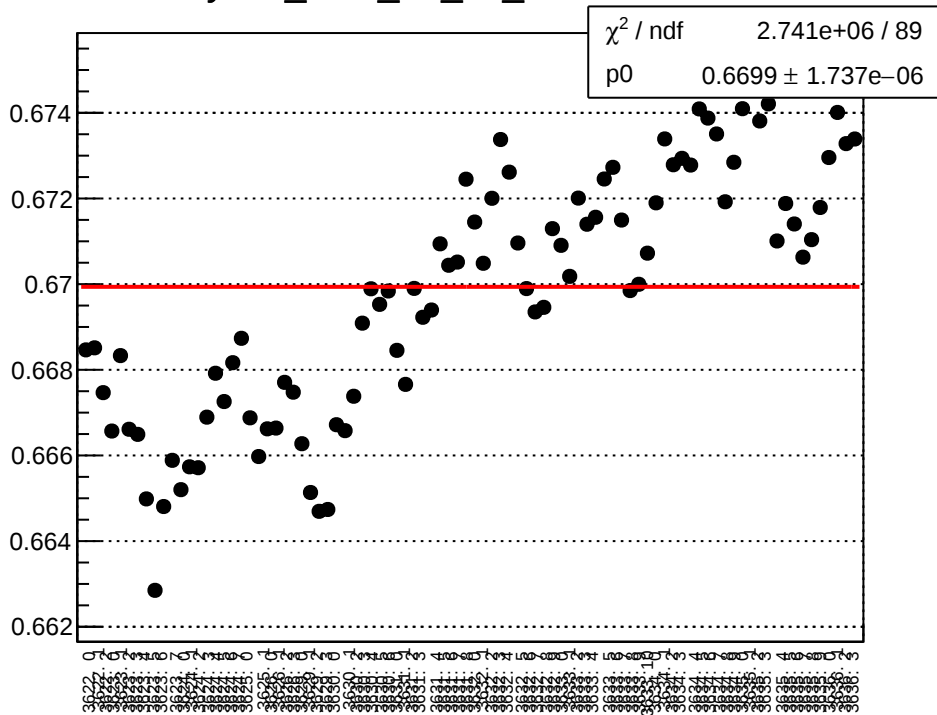
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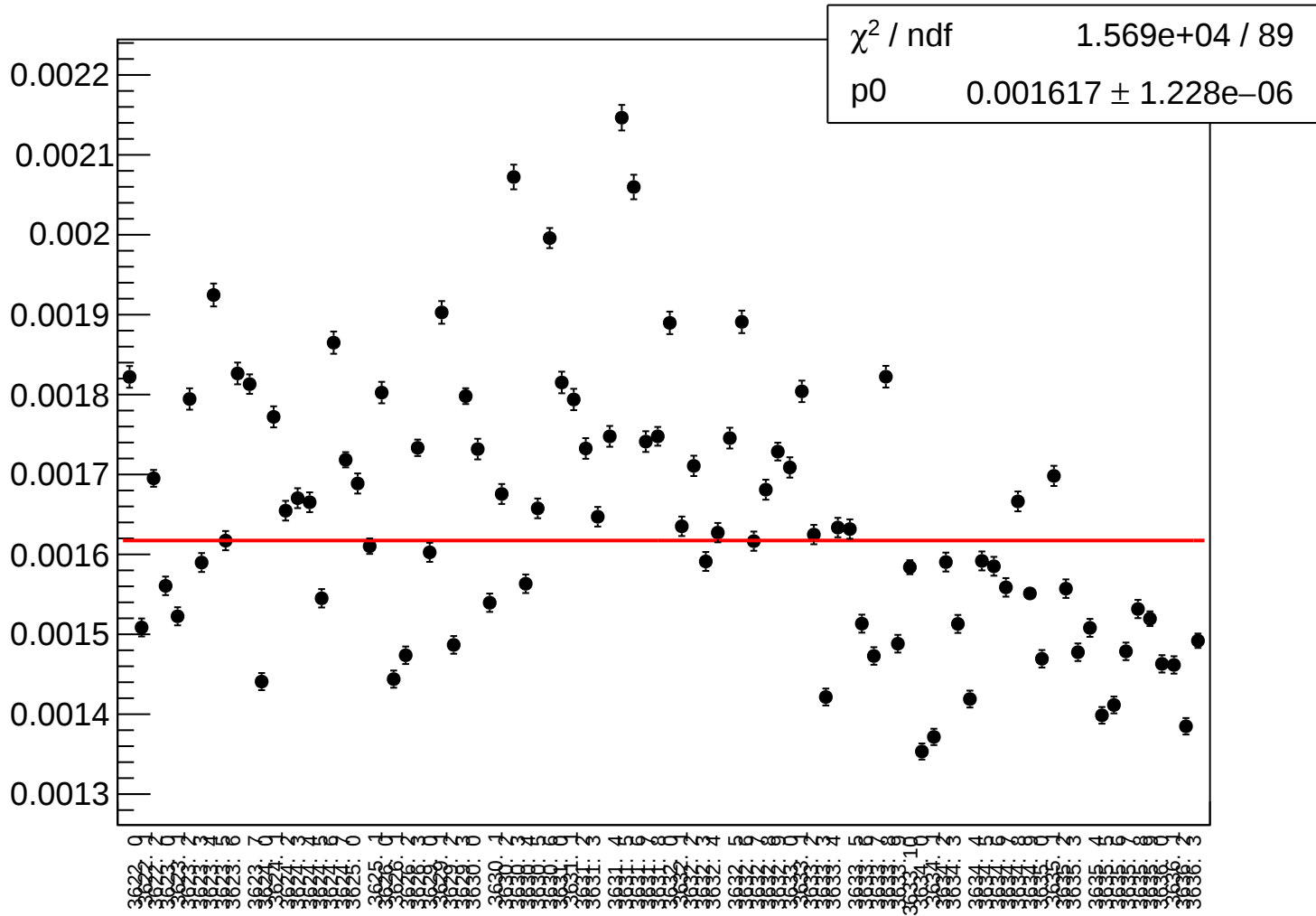
yield_dsr_rms vs run



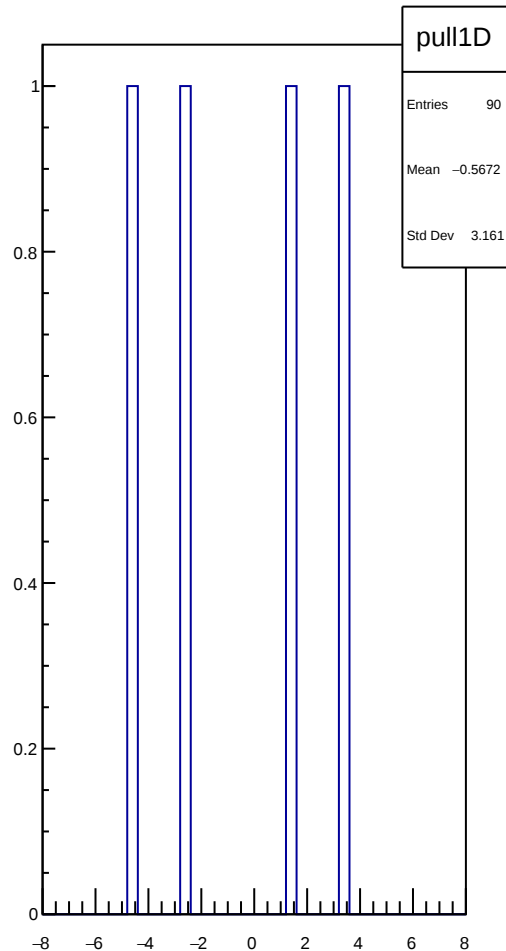
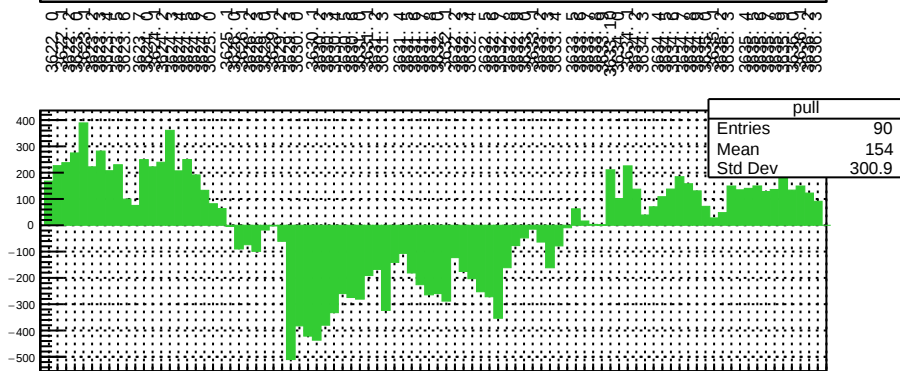
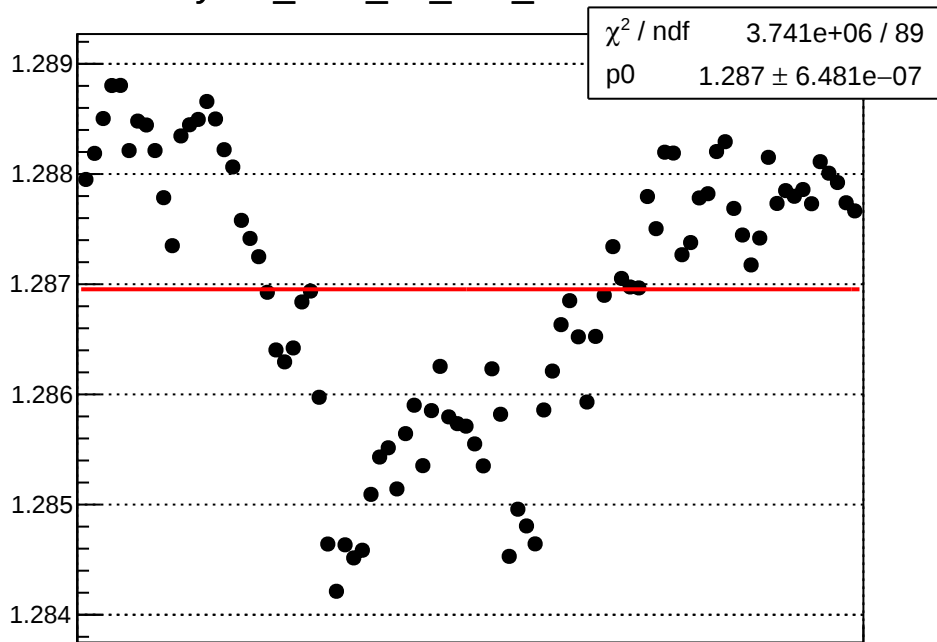
yield_bcm_an_ds_mean vs run



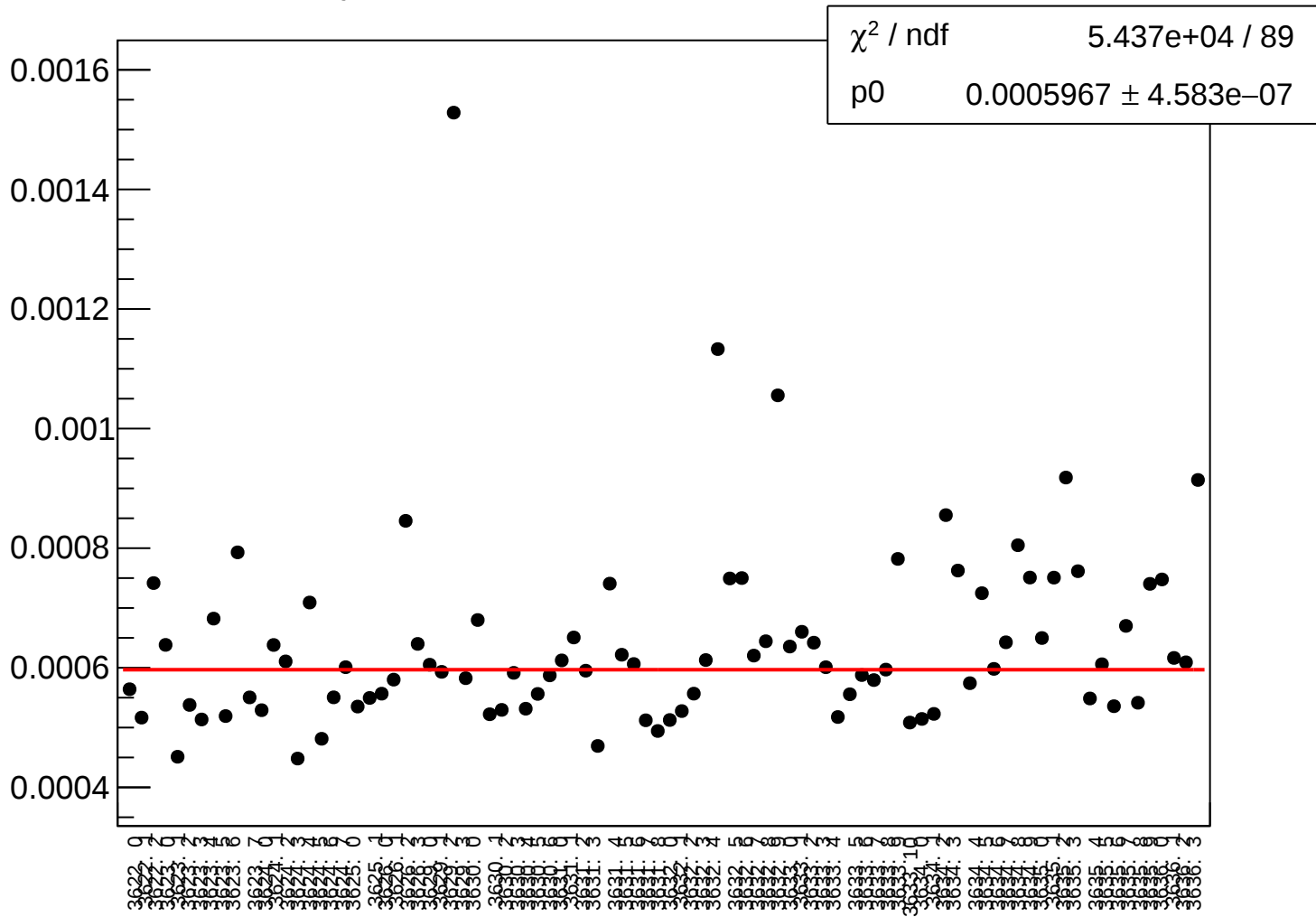
yield_bcm_an_ds_rms vs run



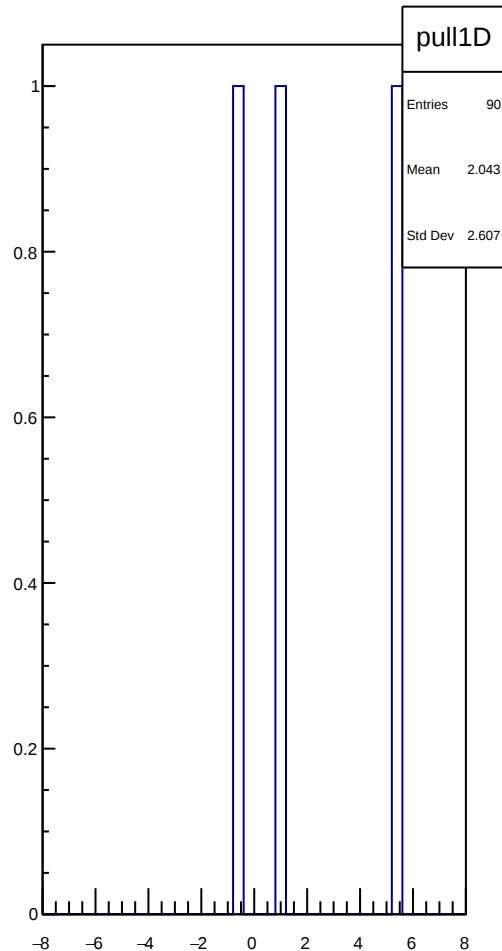
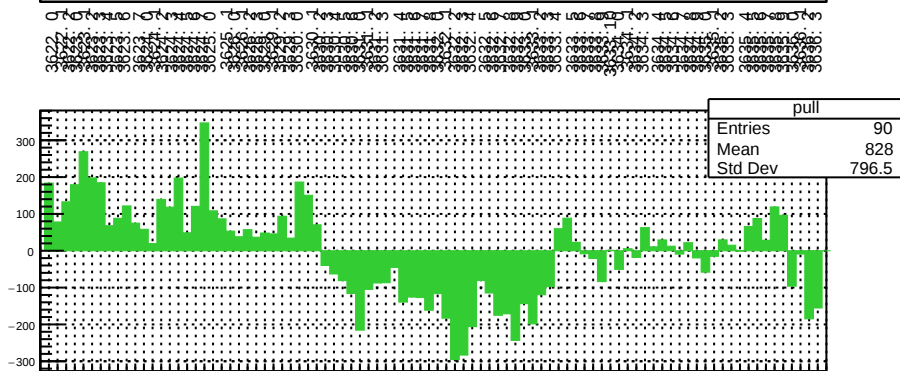
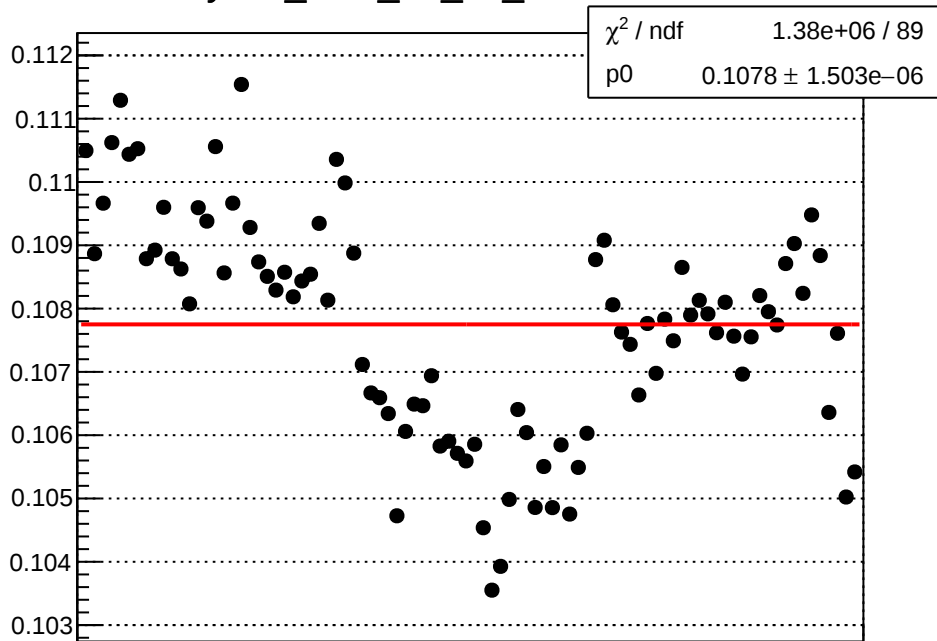
yield_bcm_an_ds3_mean vs run



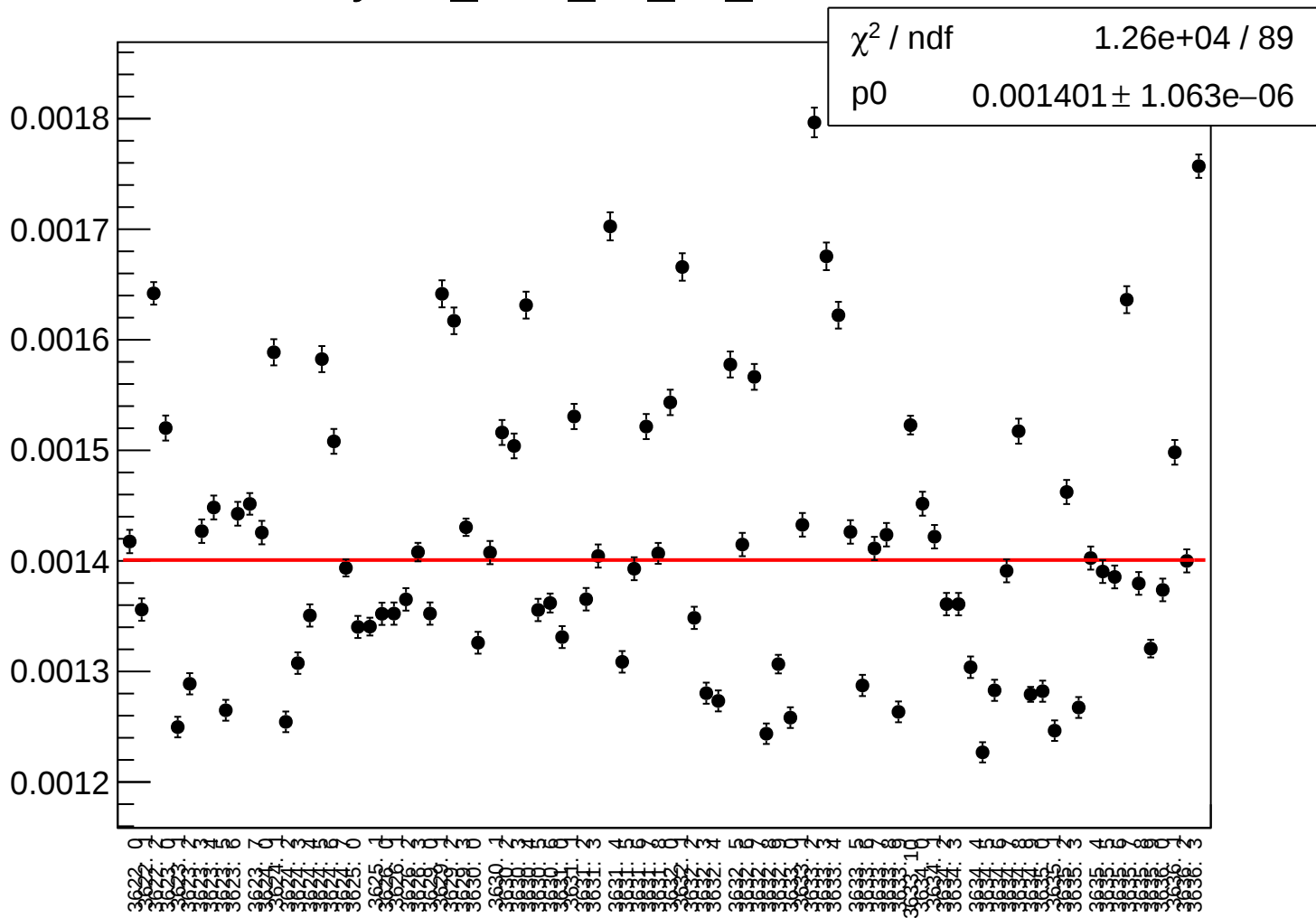
yield_bcm_an_ds3_rms vs run



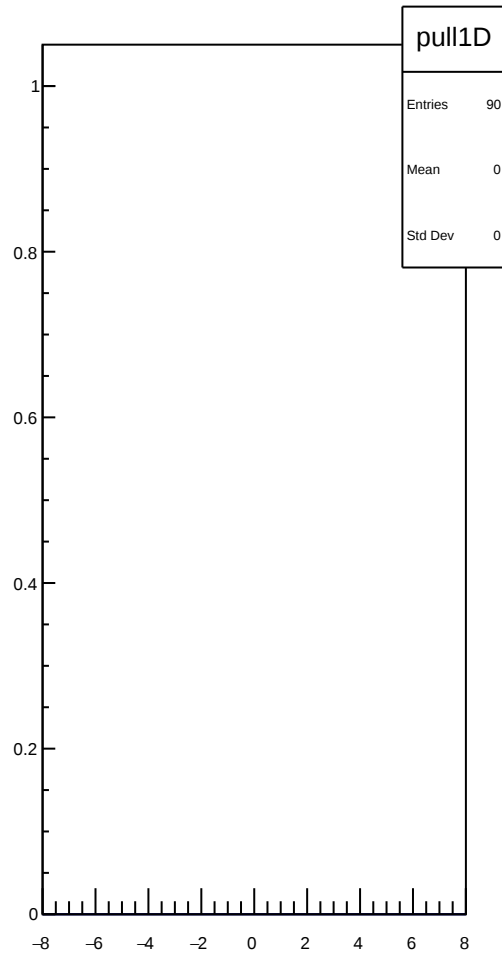
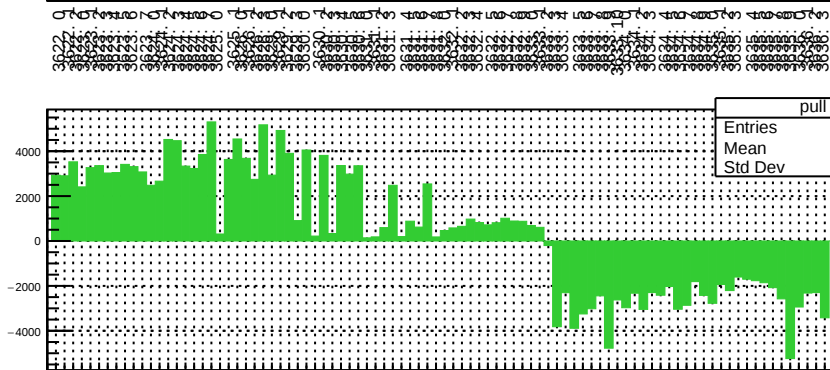
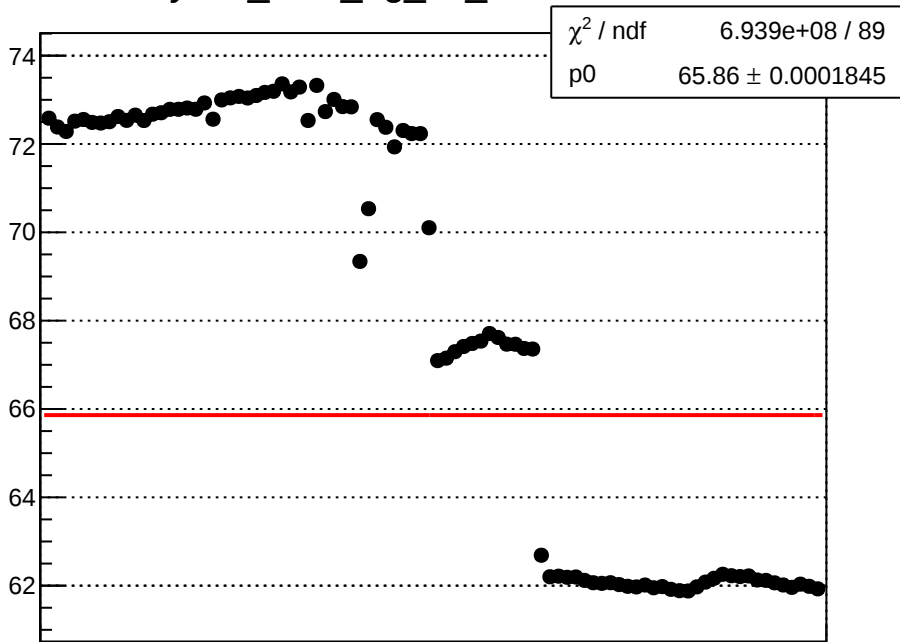
yield_bcm_an_us_mean vs run



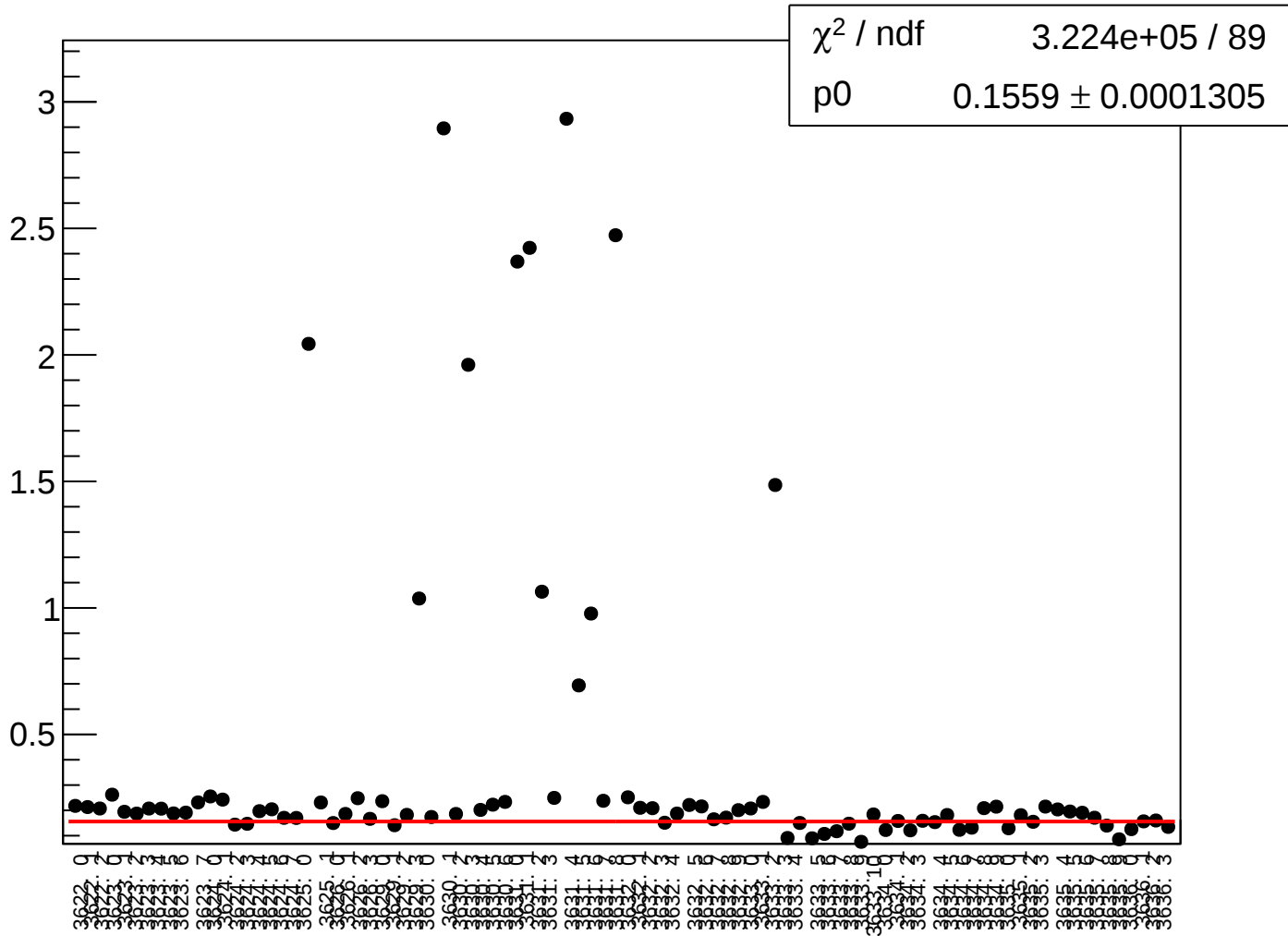
yield_bcm_an_us_rms vs run



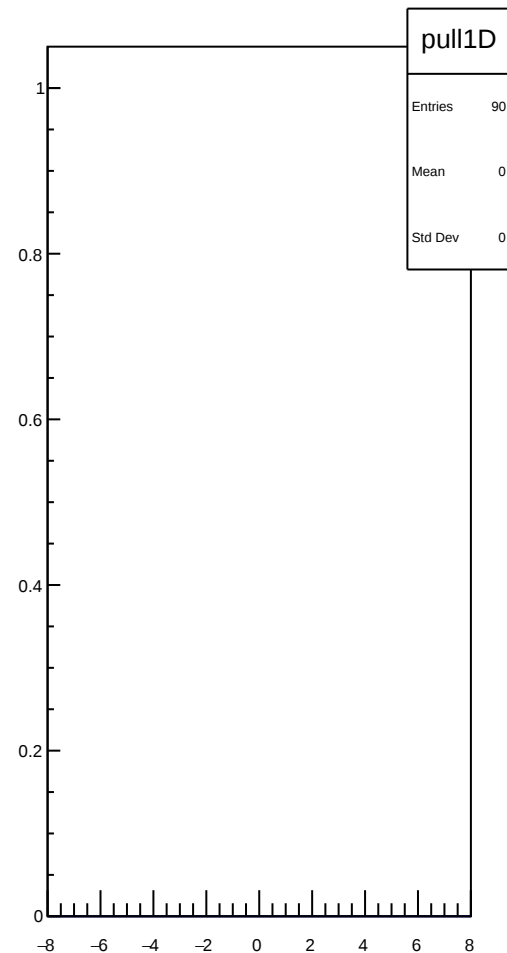
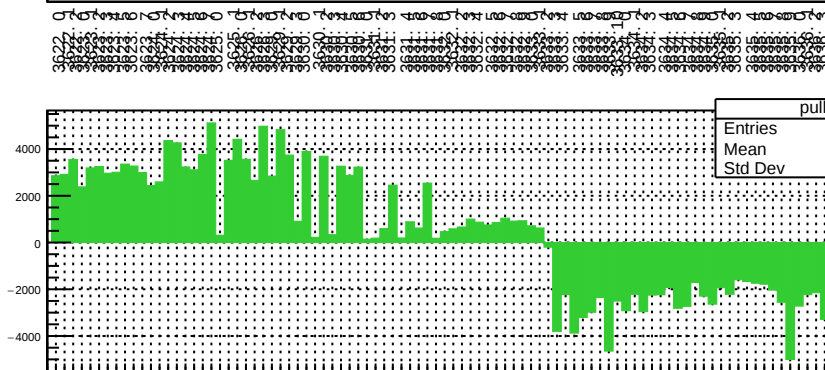
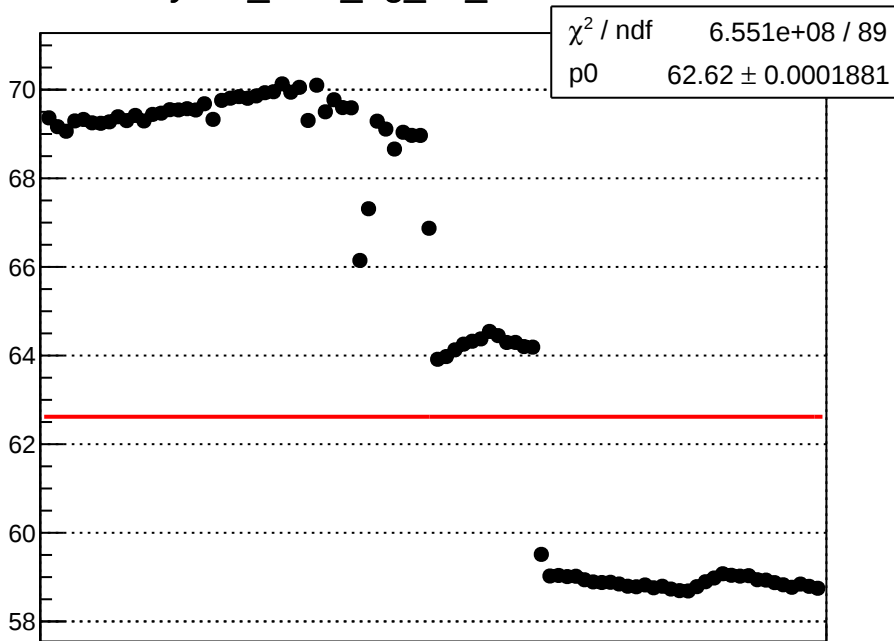
yield_bcm_dg_us_mean vs run



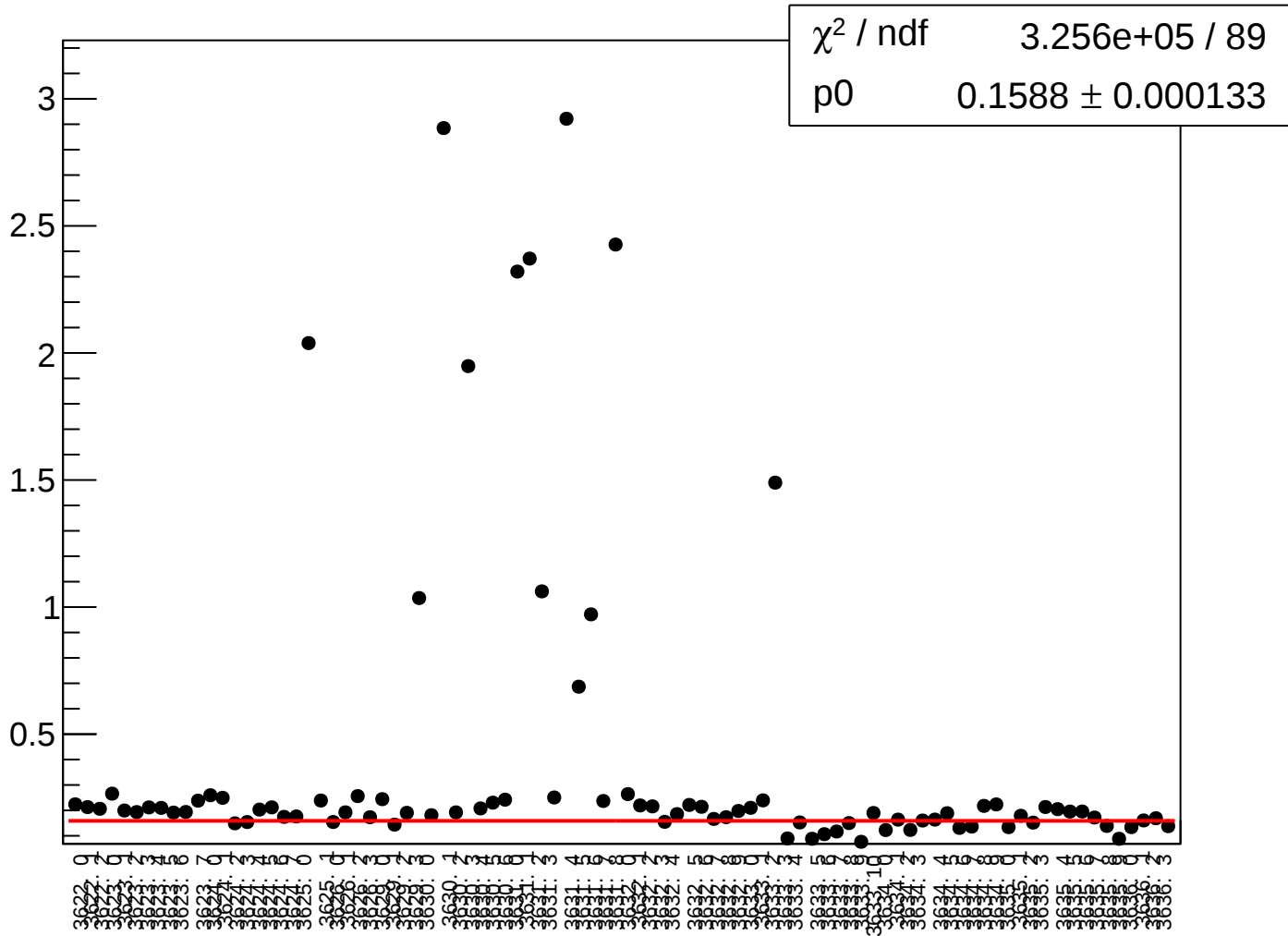
yield_bcm_dg_us_rms vs run



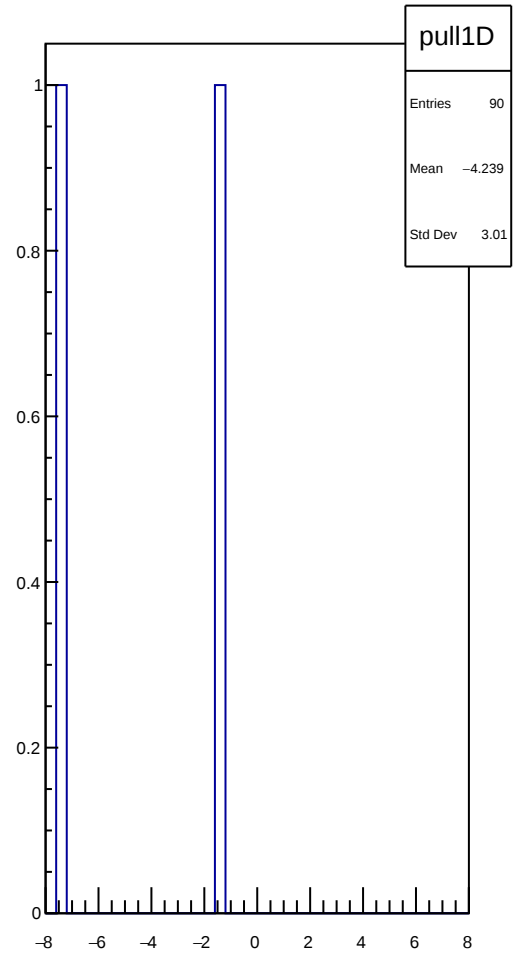
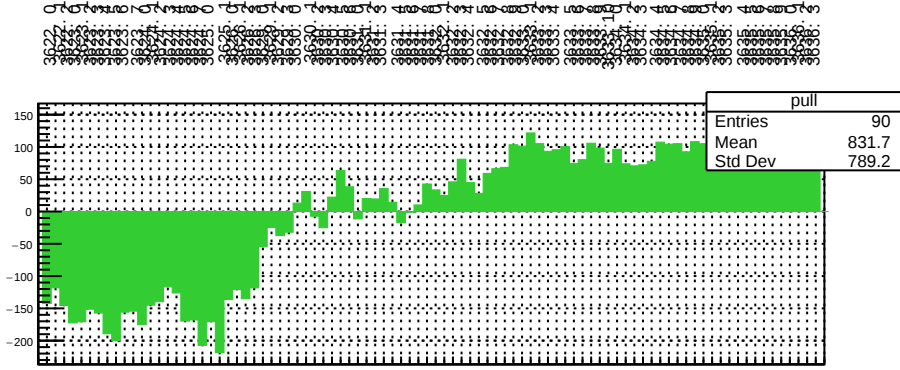
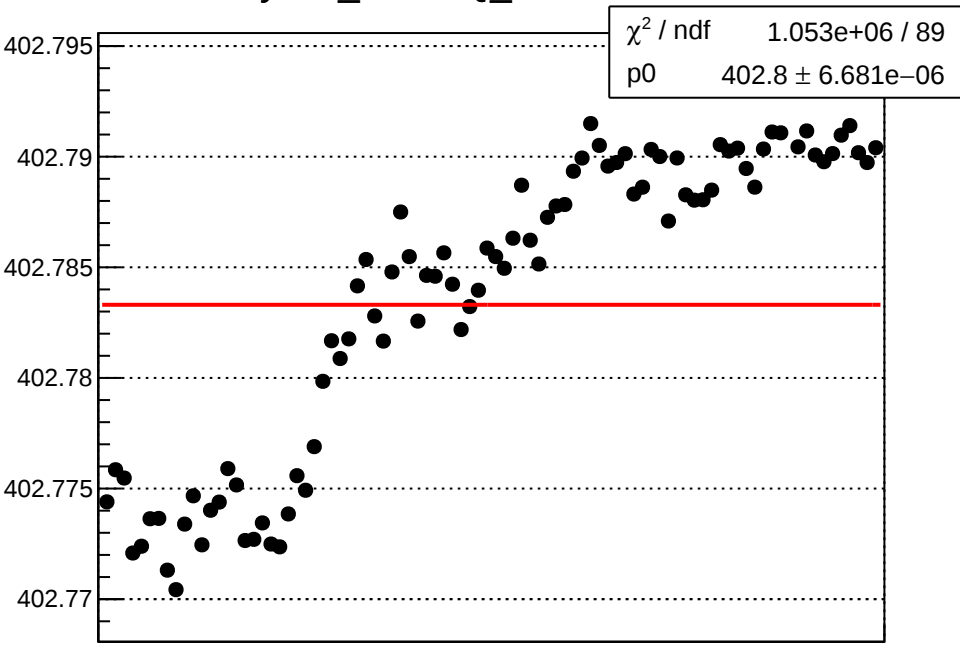
yield_bcm_dg_ds_mean vs run



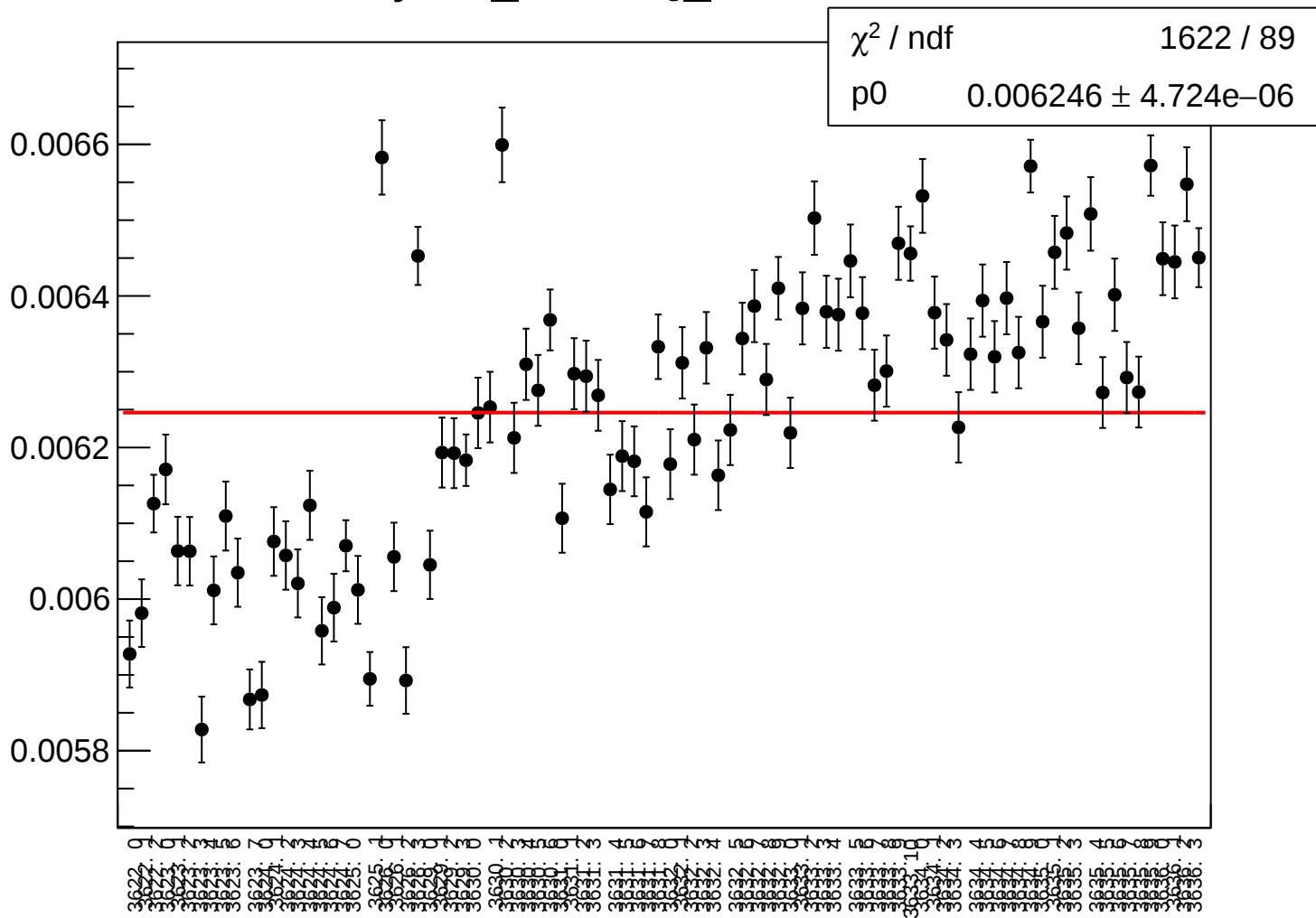
yield_bcm_dg_ds_rms vs run



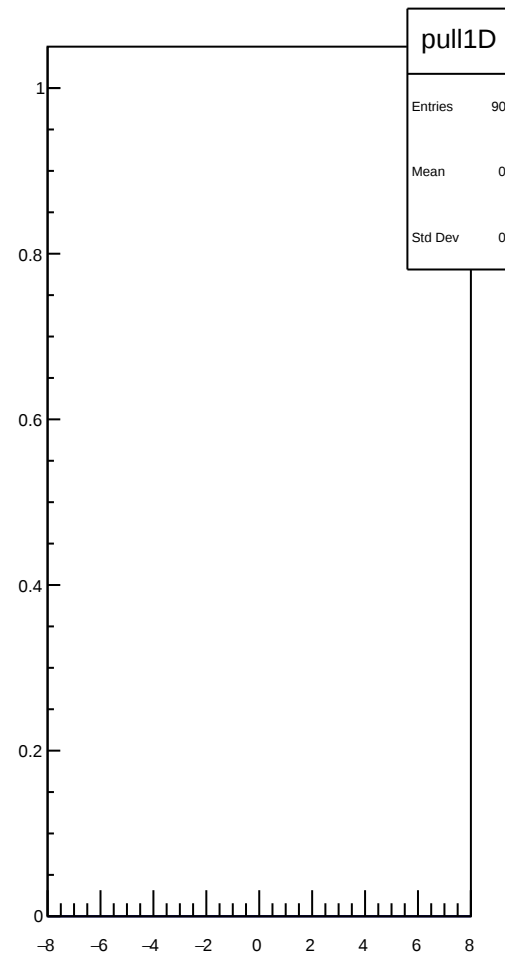
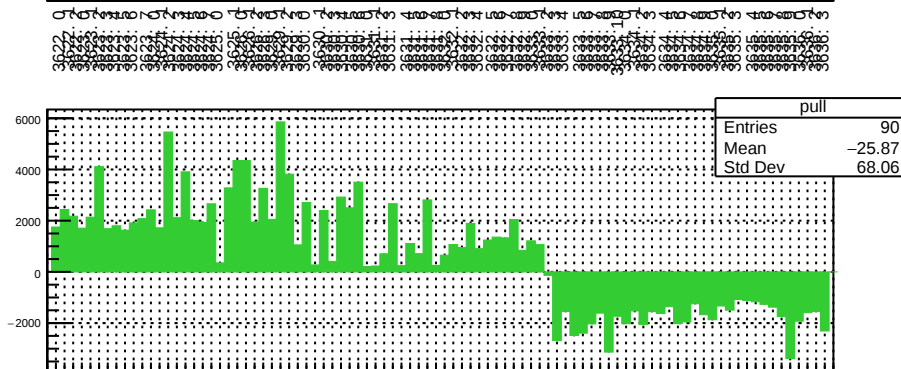
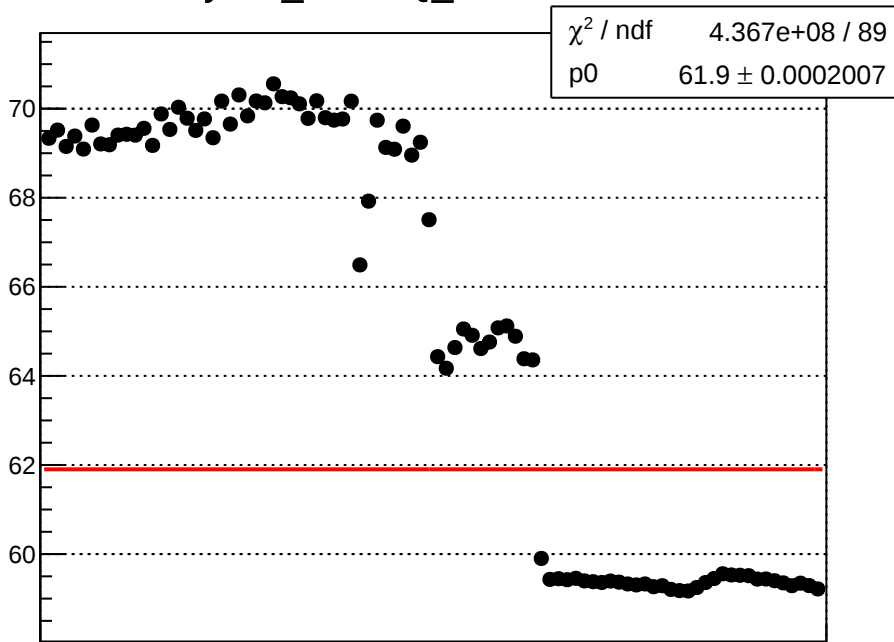
yield_cav4bQ_mean vs run



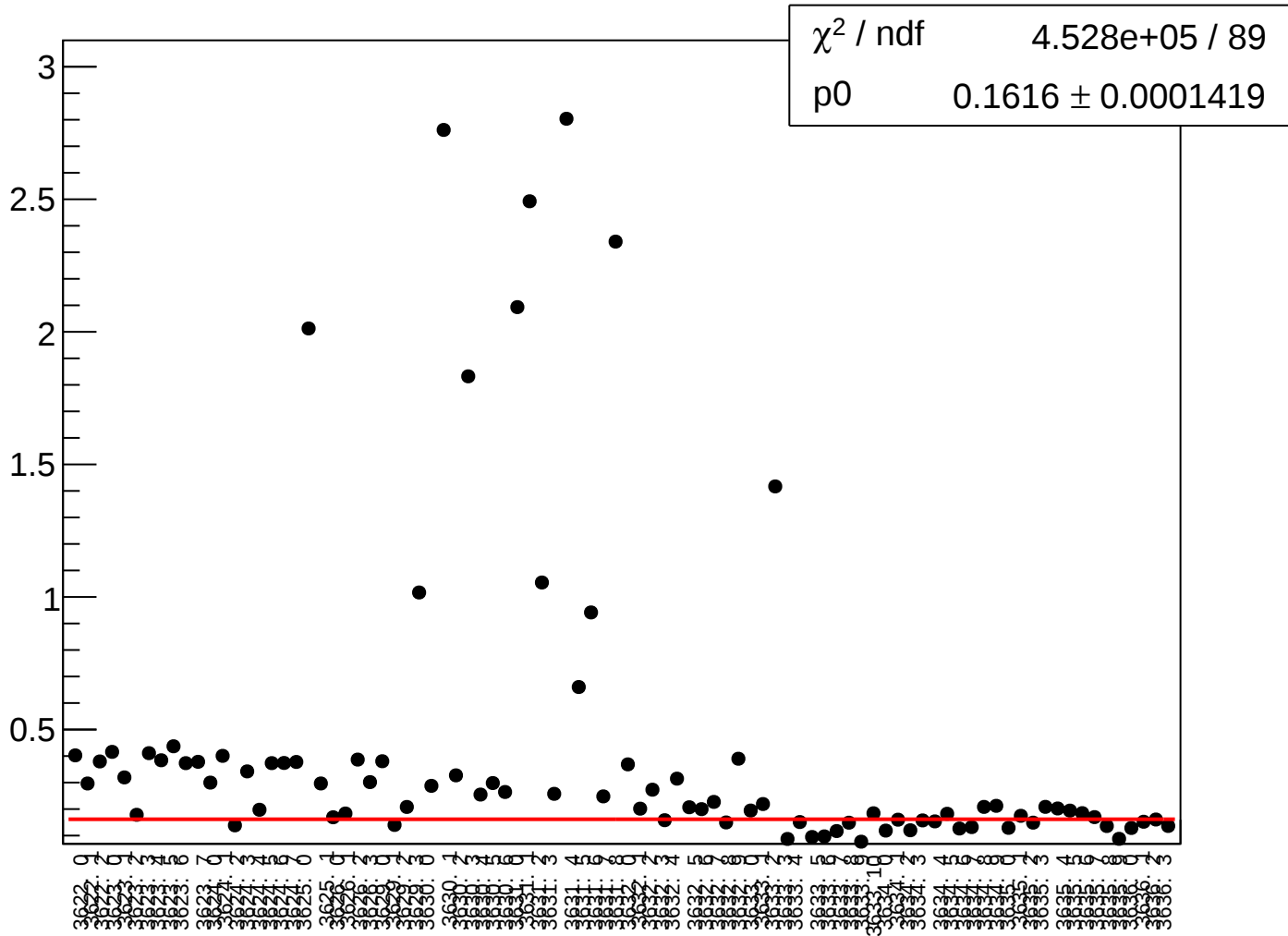
yield_cav4bQ_rms vs run



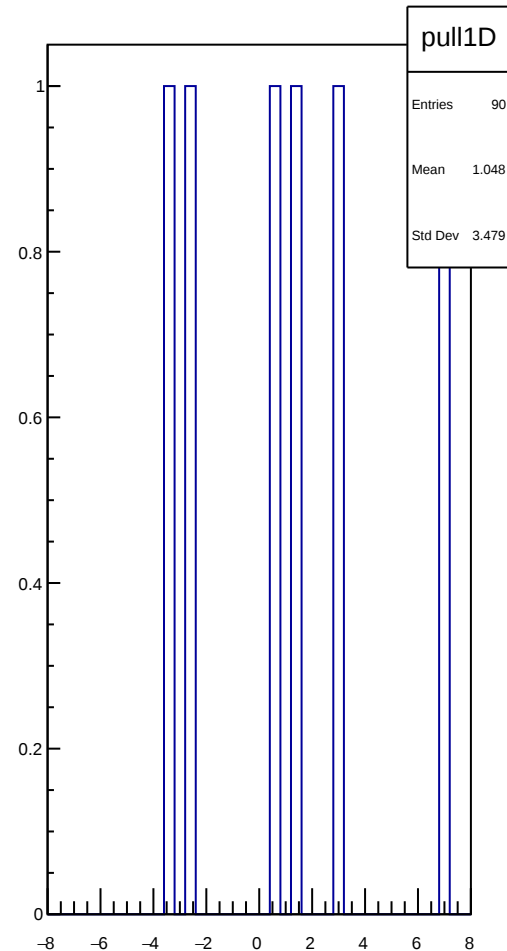
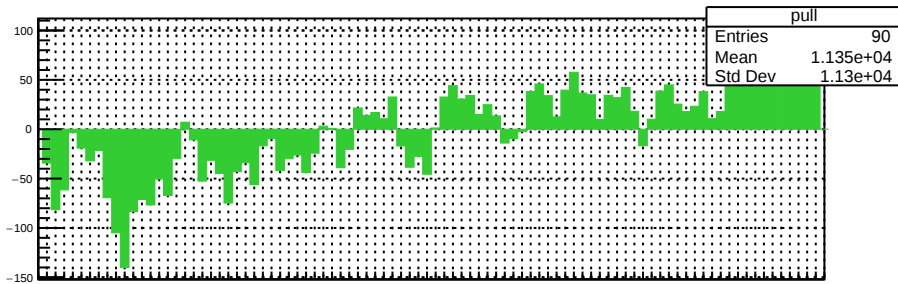
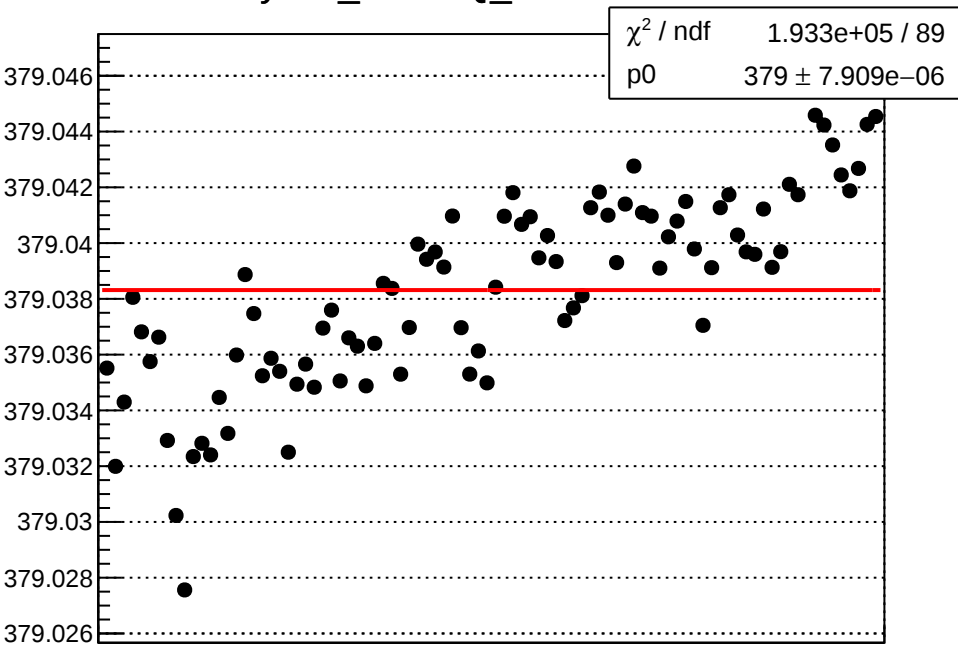
yield_cav4cQ_mean vs run



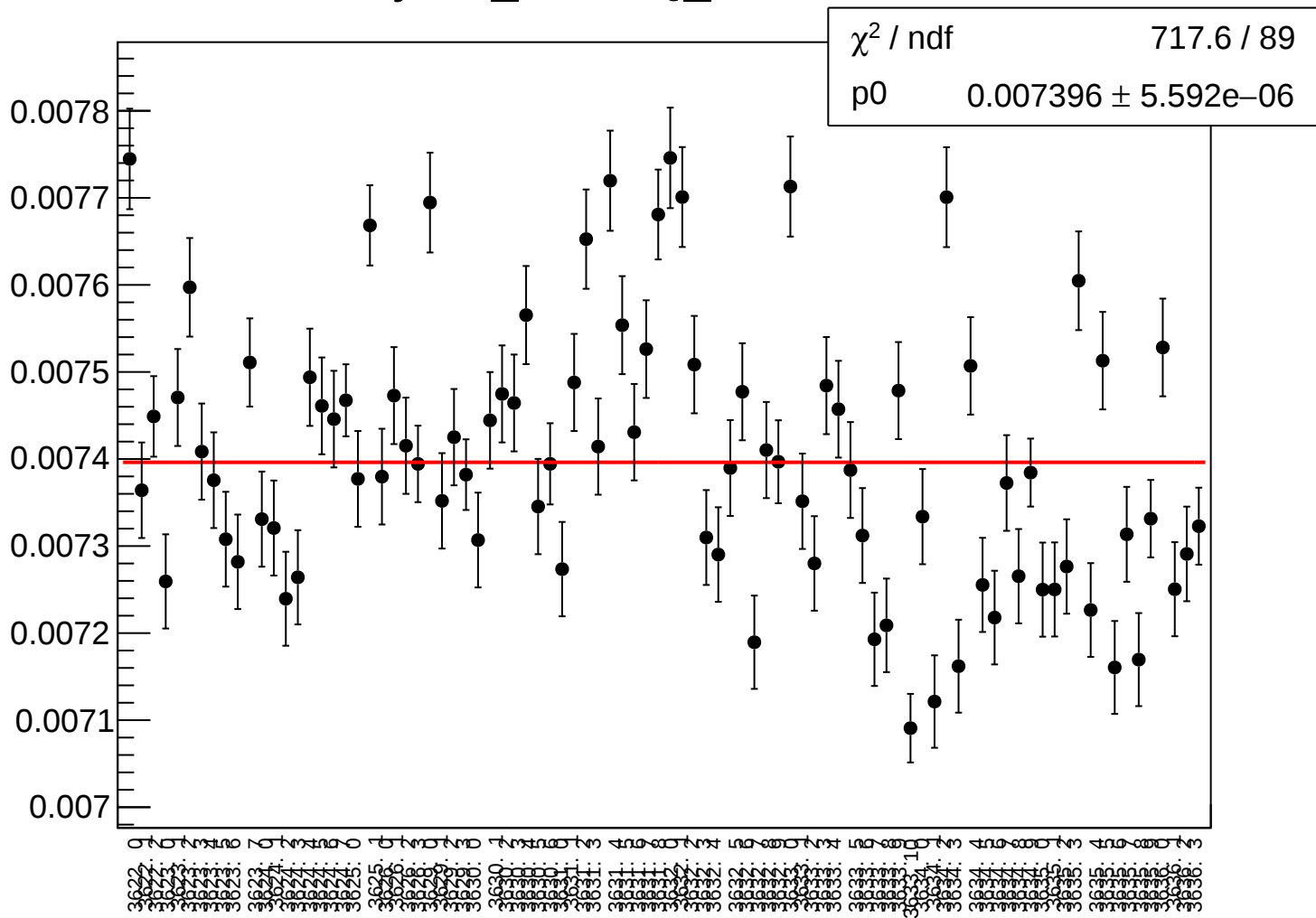
yield_cav4cQ_rms vs run



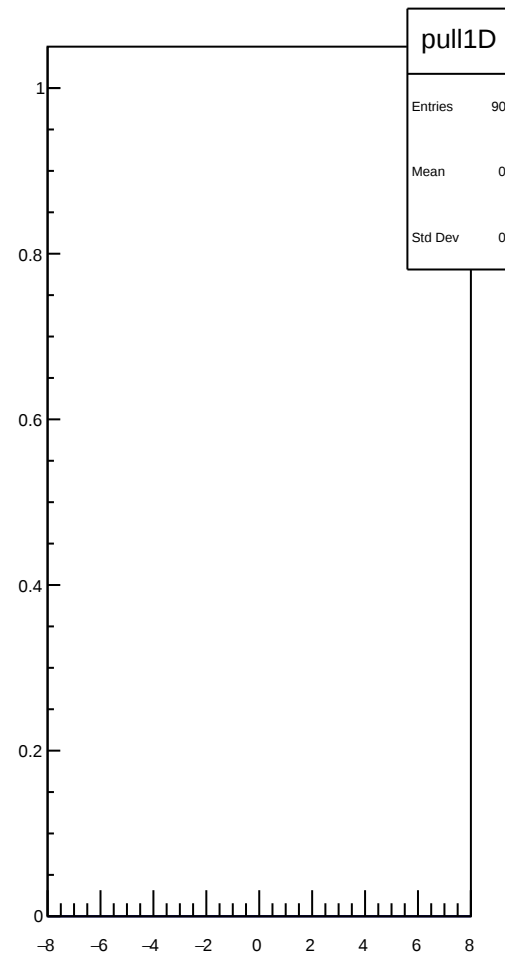
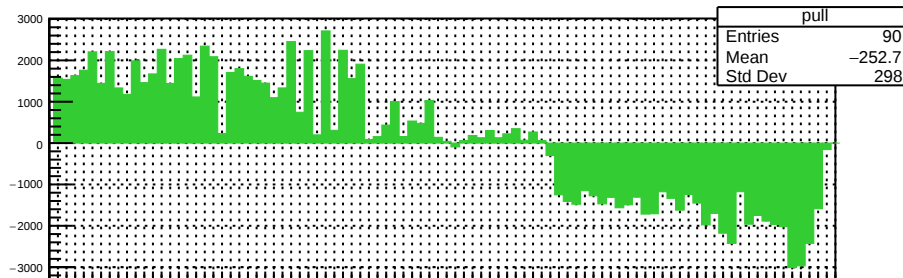
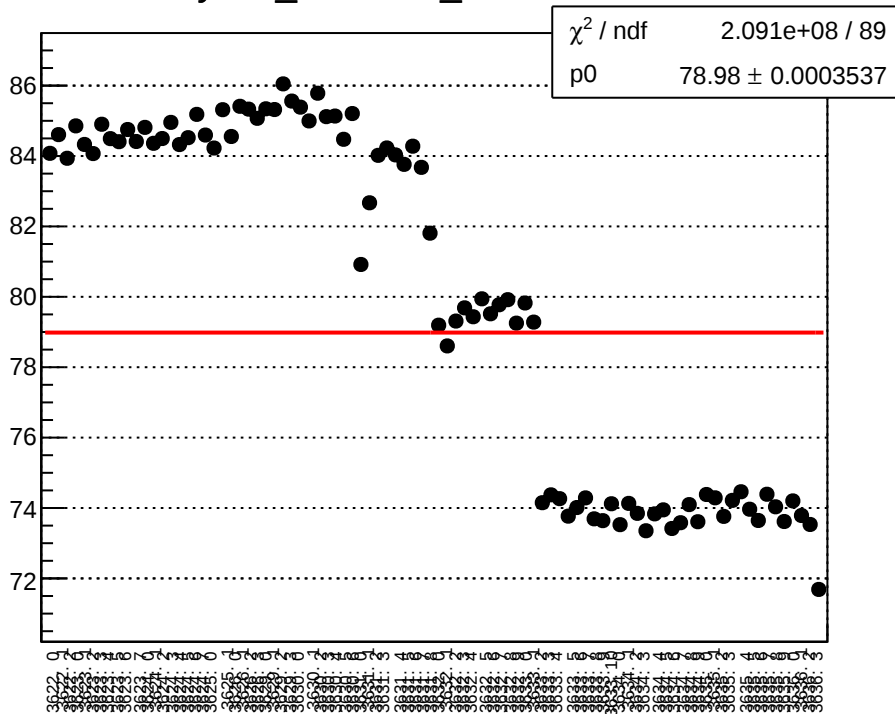
yield_cav4dQ_mean vs run



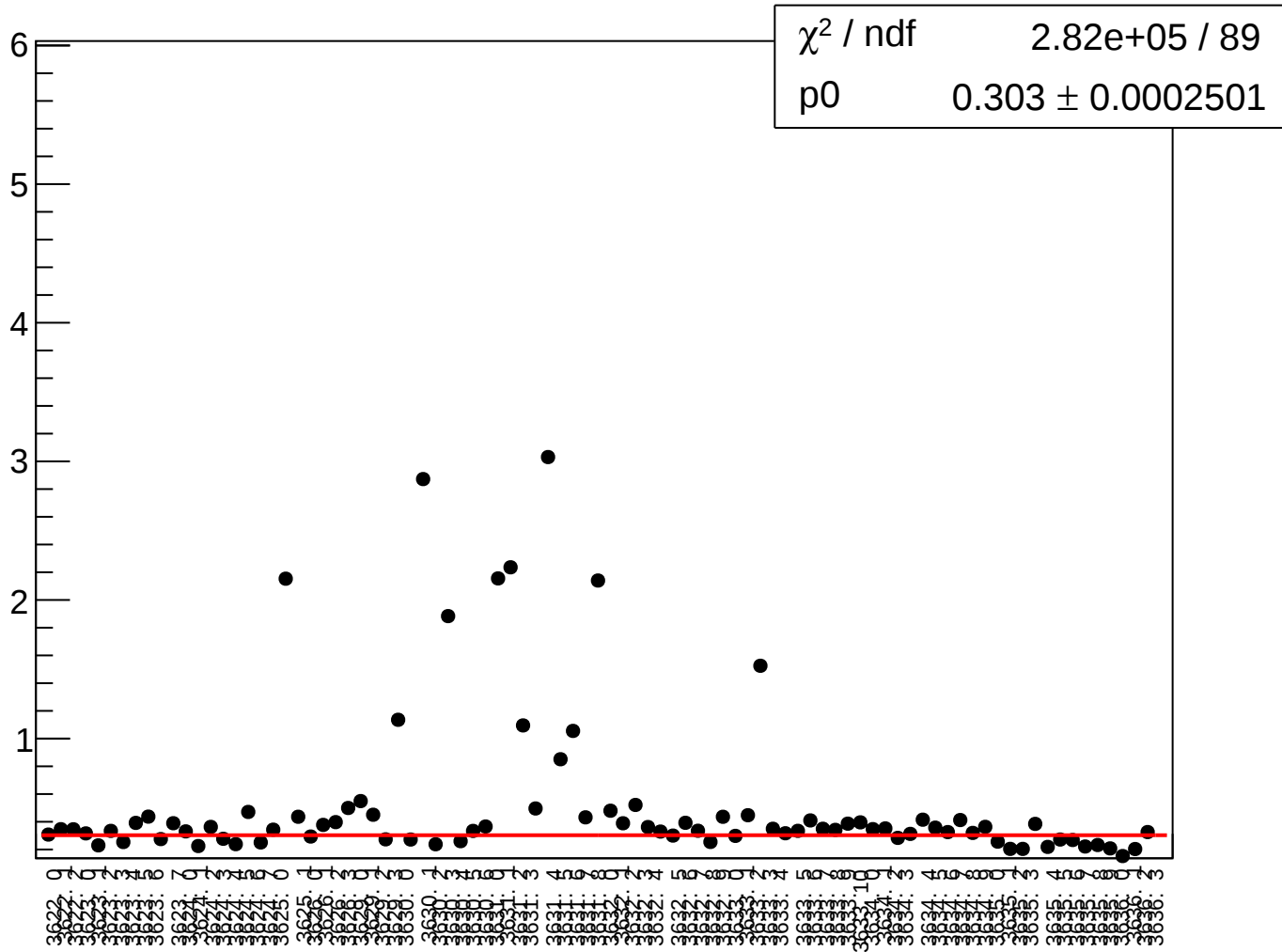
yield_cav4dQ_rms vs run



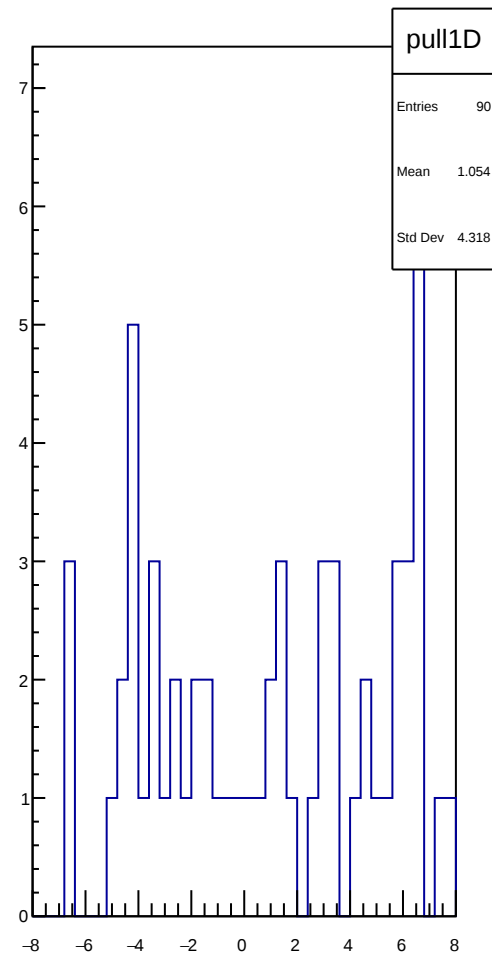
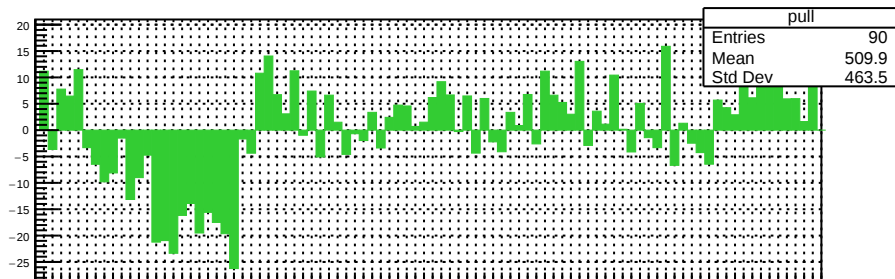
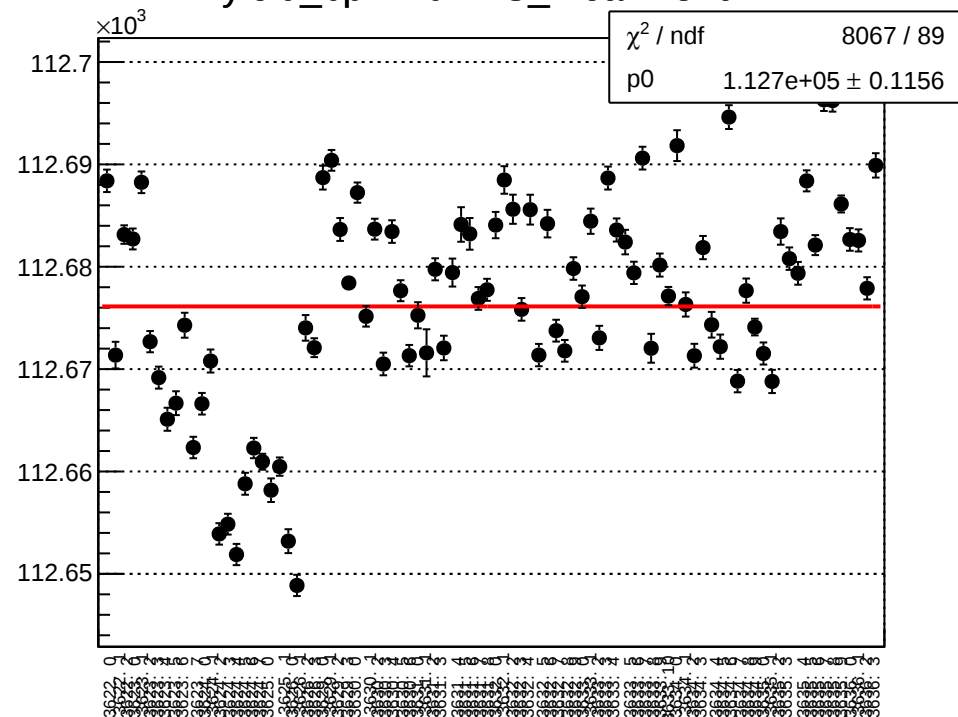
yield_bcm0l02_mean vs run



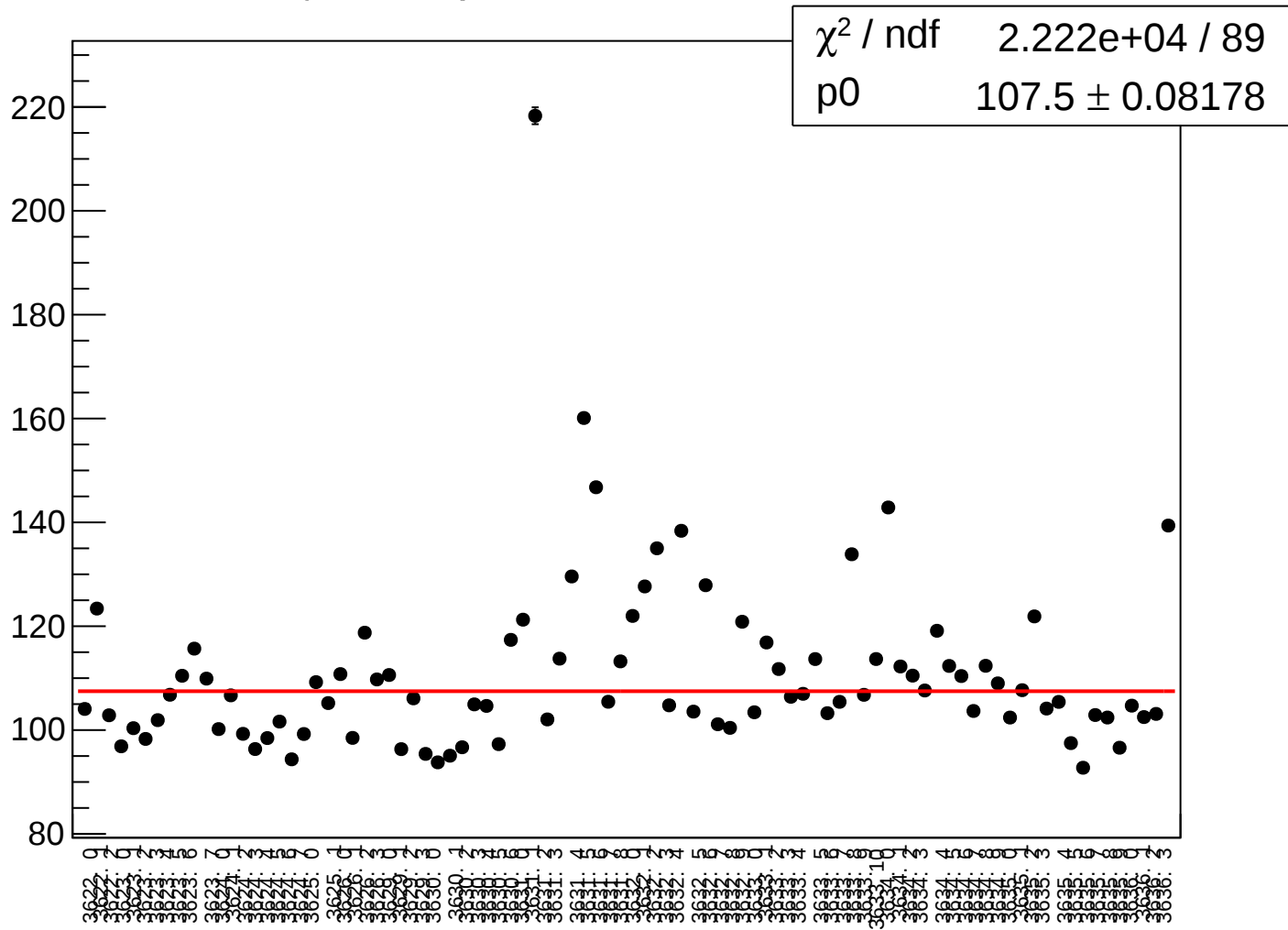
yield_bcm0l02_rms vs run



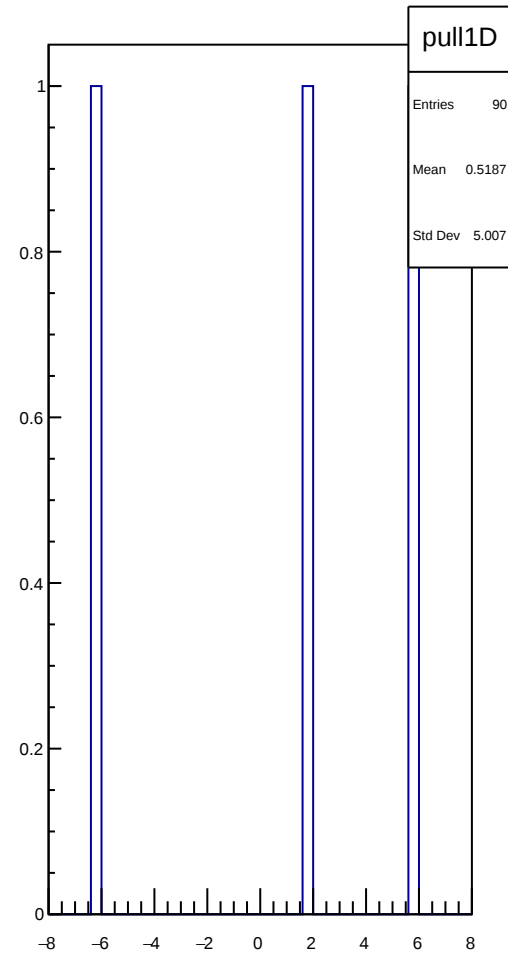
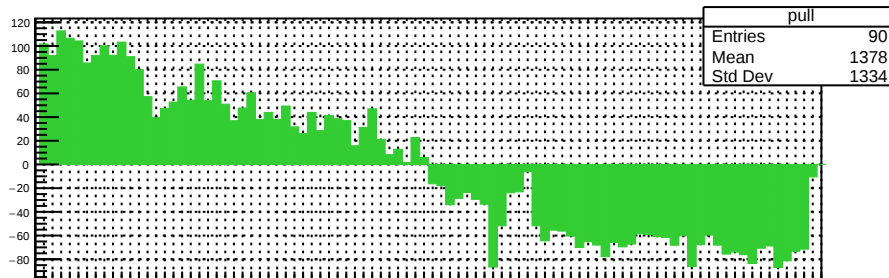
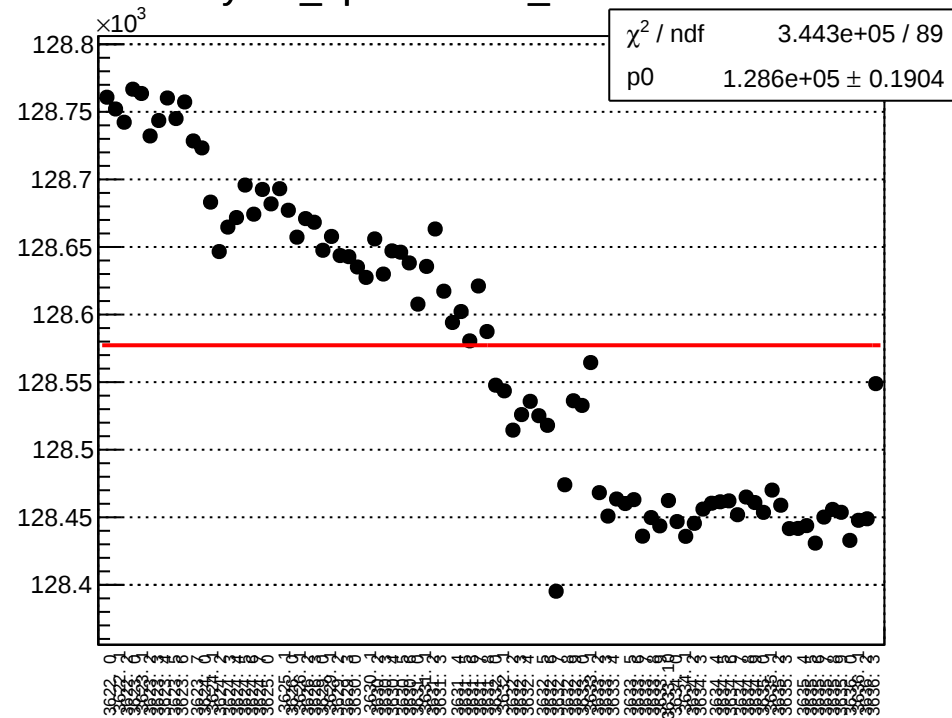
yield_bpm2i01WS_mean vs run



yield_bpm2i01WS_rms vs run

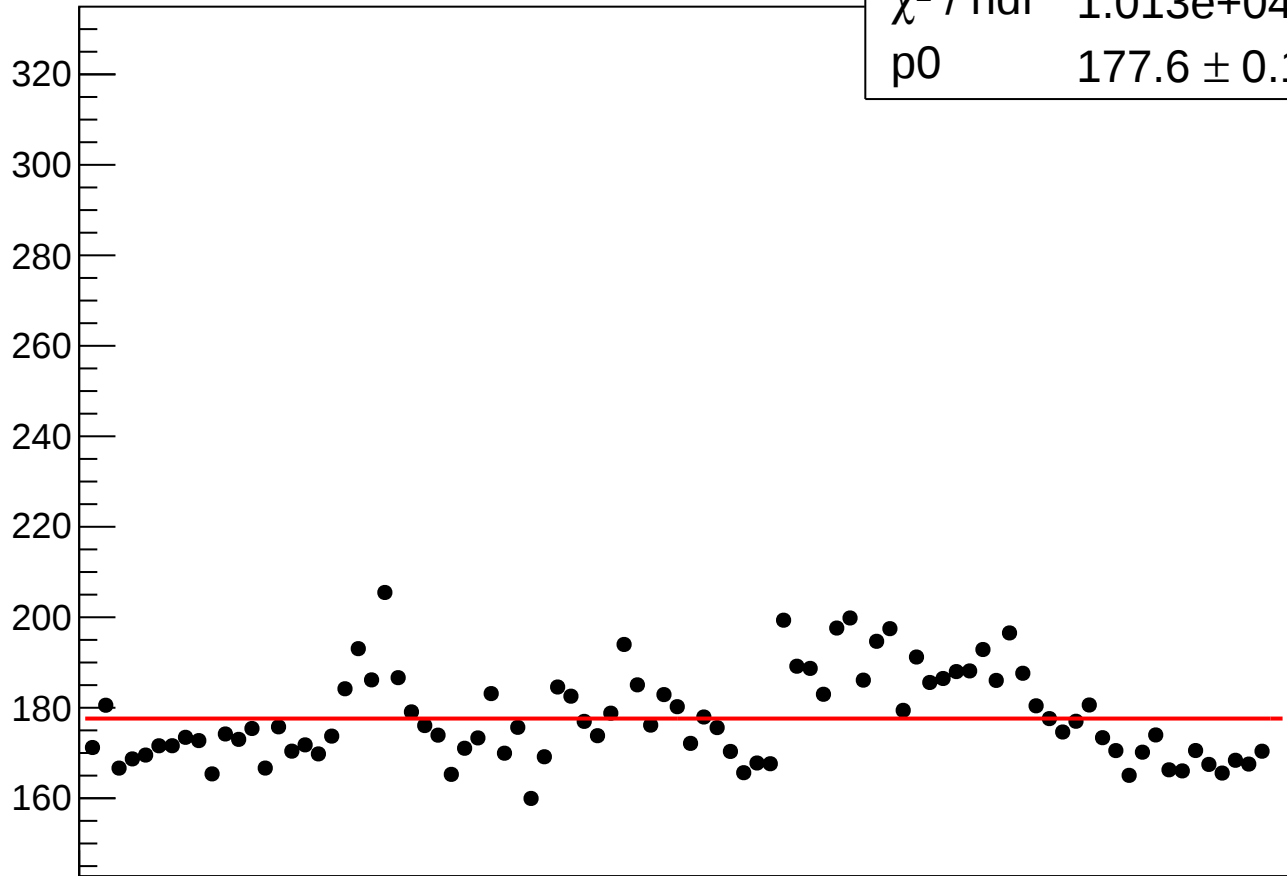


yield_bpm0i07WS_mean vs run



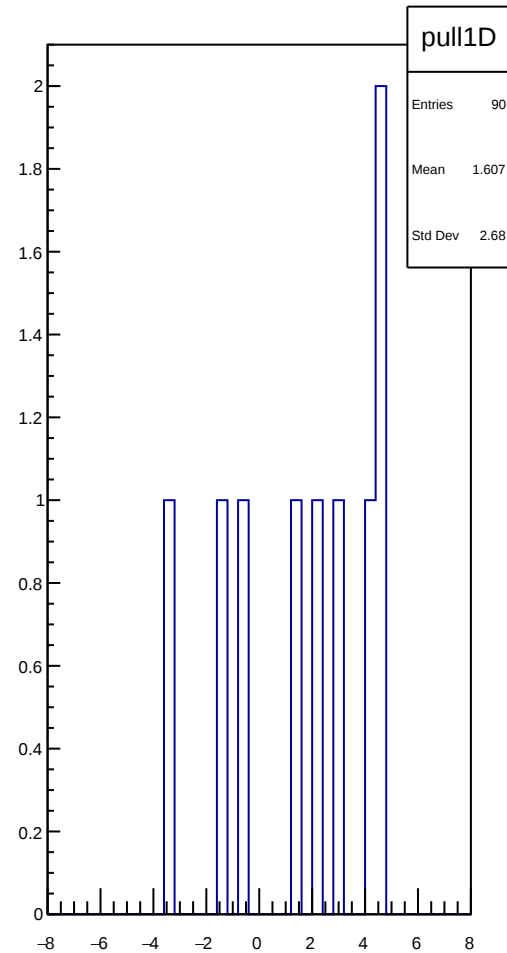
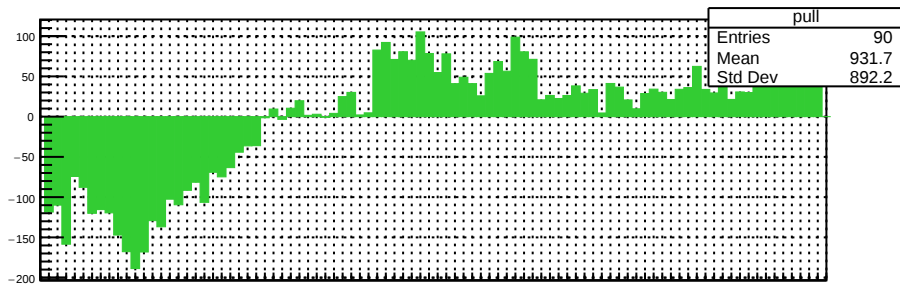
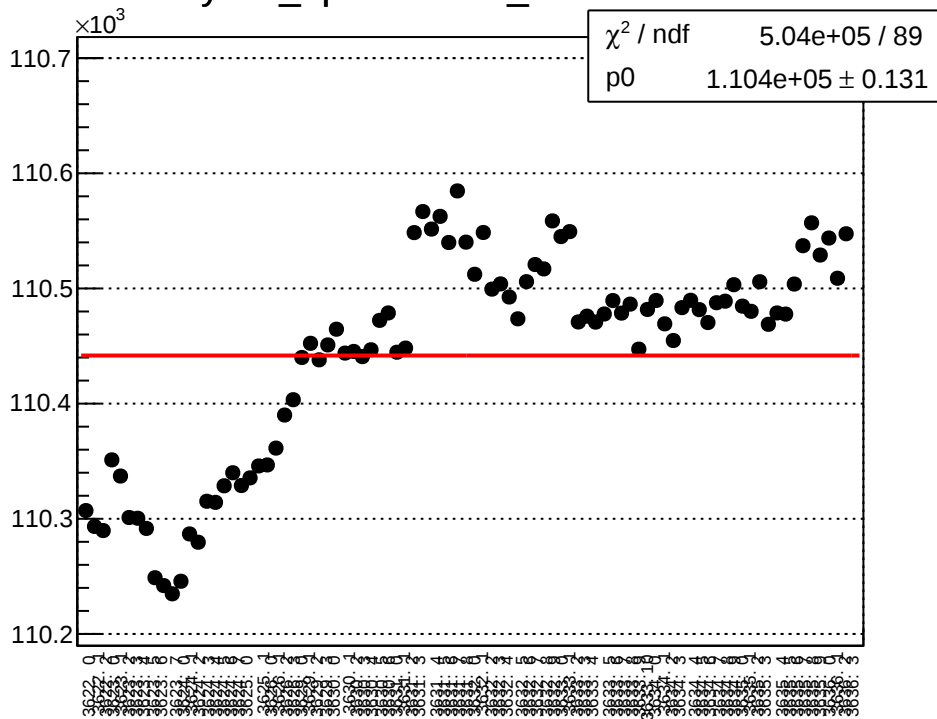
yield_bpm0i07WS_rms vs run

χ^2 / ndf	1.013e+04 / 89
p0	177.6 $\pm$ 0.1347

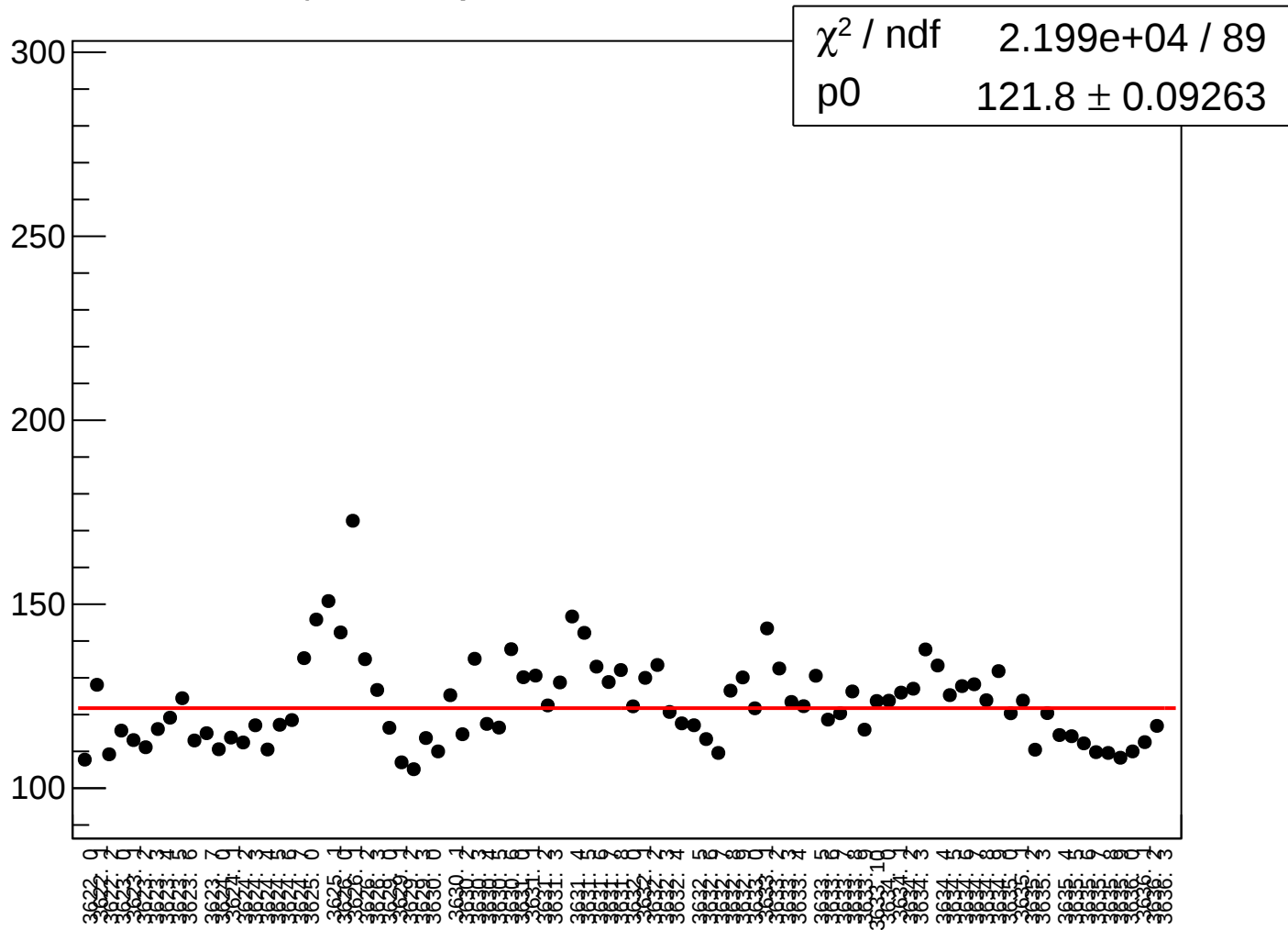


run

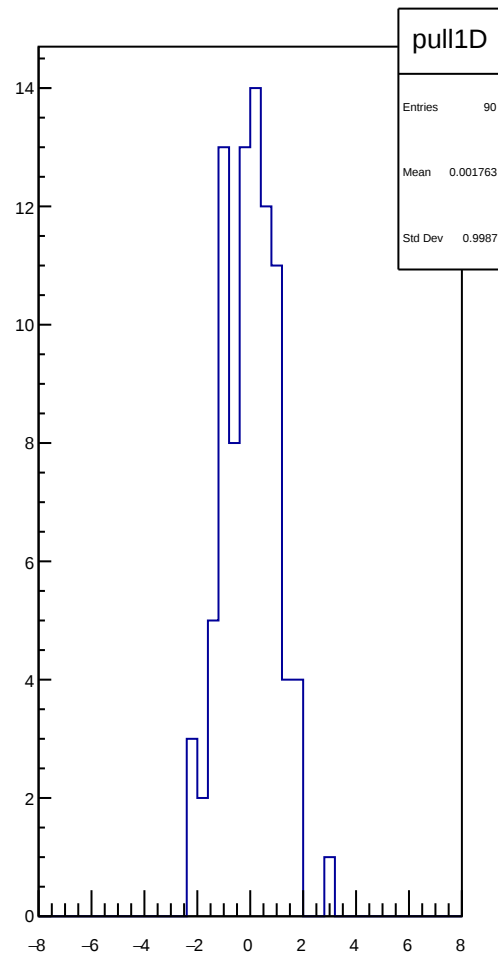
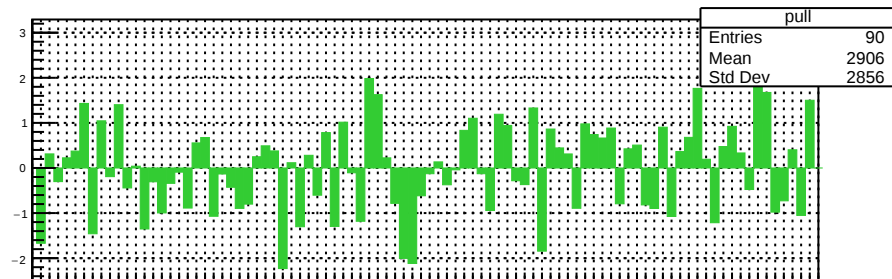
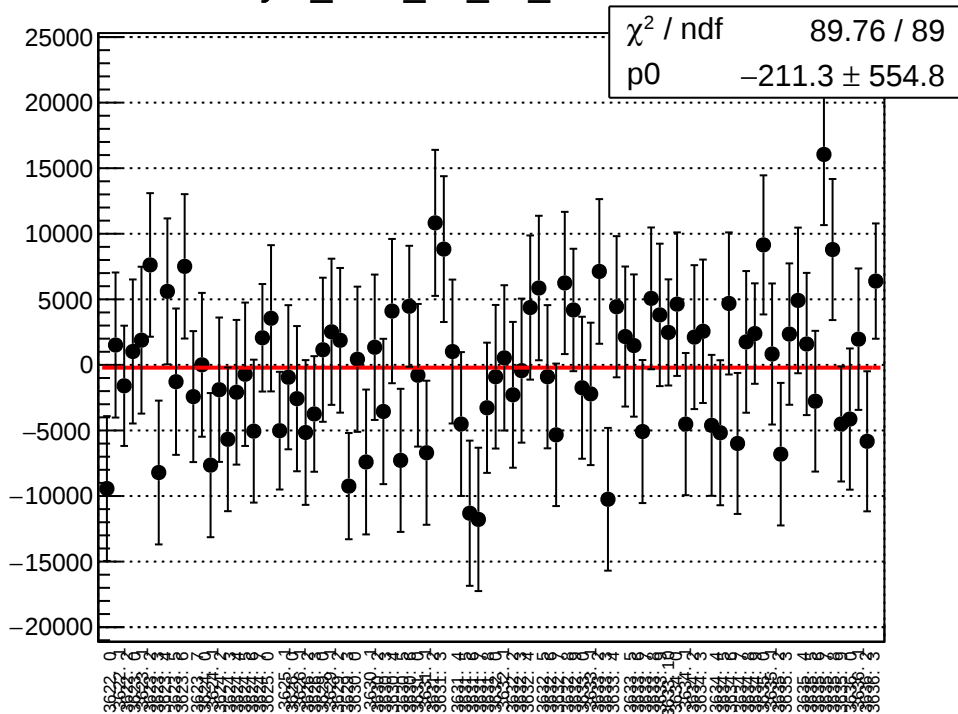
yield_bpm0l01WS_mean vs run



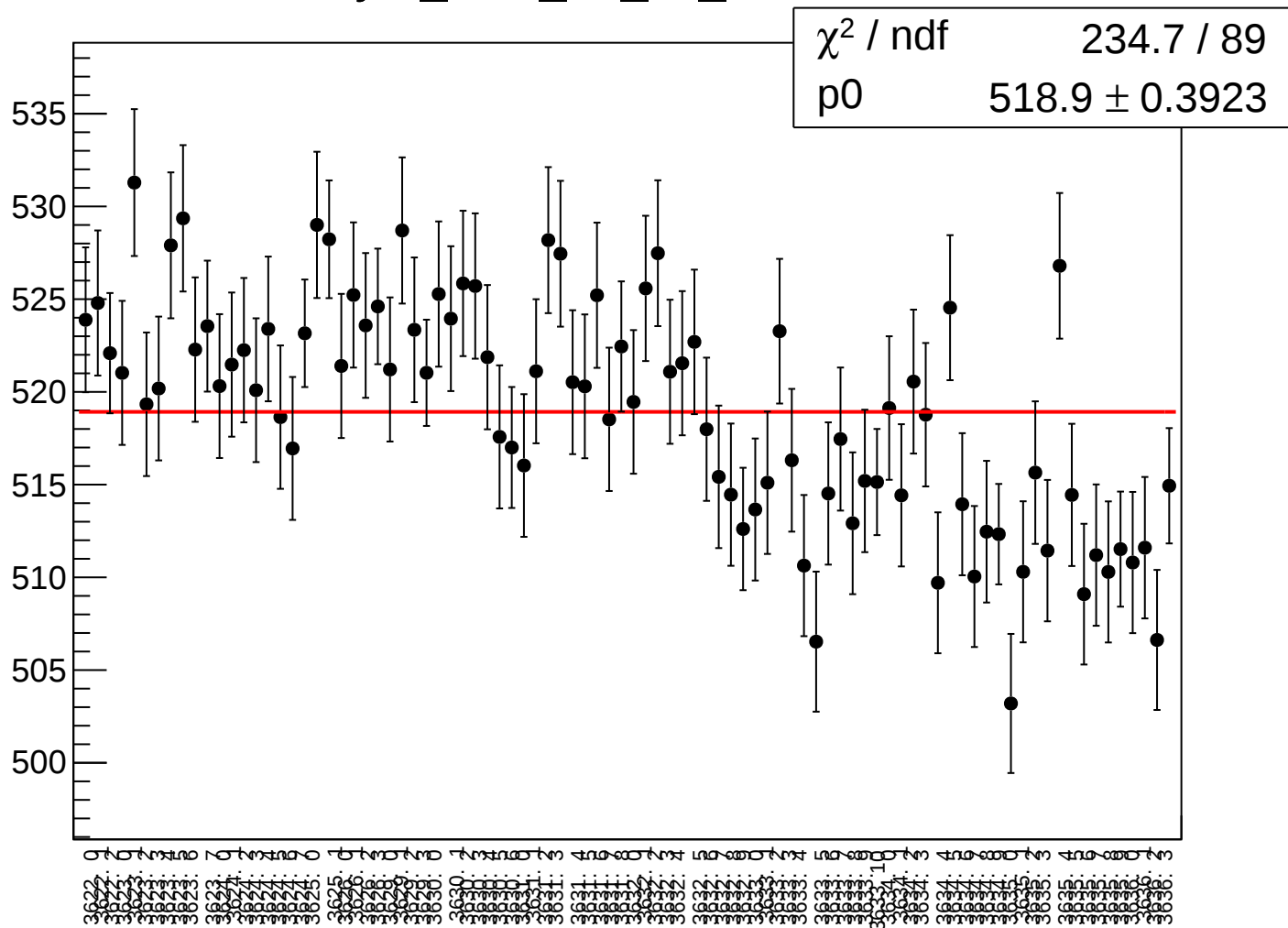
yield_bpm0l01WS_rms vs run



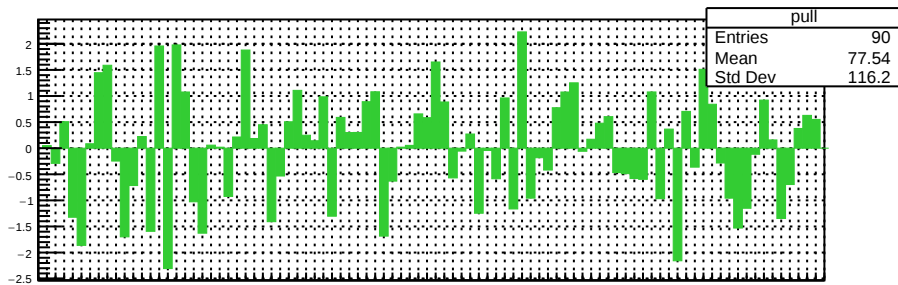
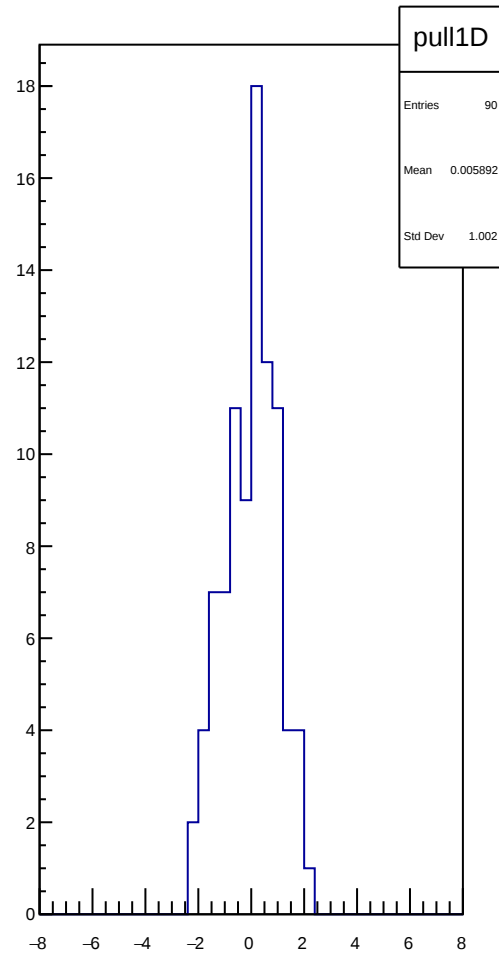
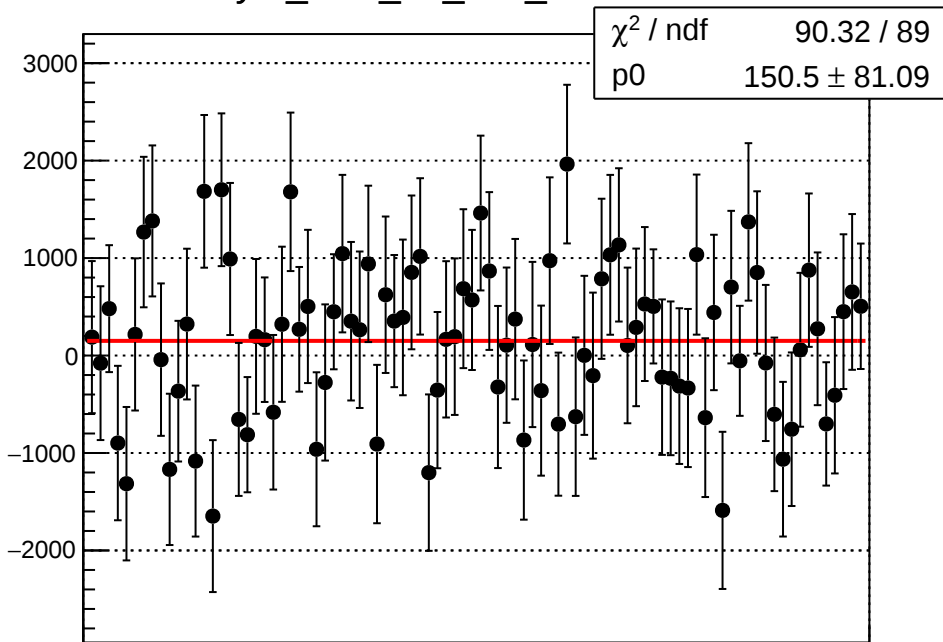
asym_bcm_an_ds_mean vs run



asym_bcm_an_ds_rms vs run



asym_bcm_an_ds3_mean vs run



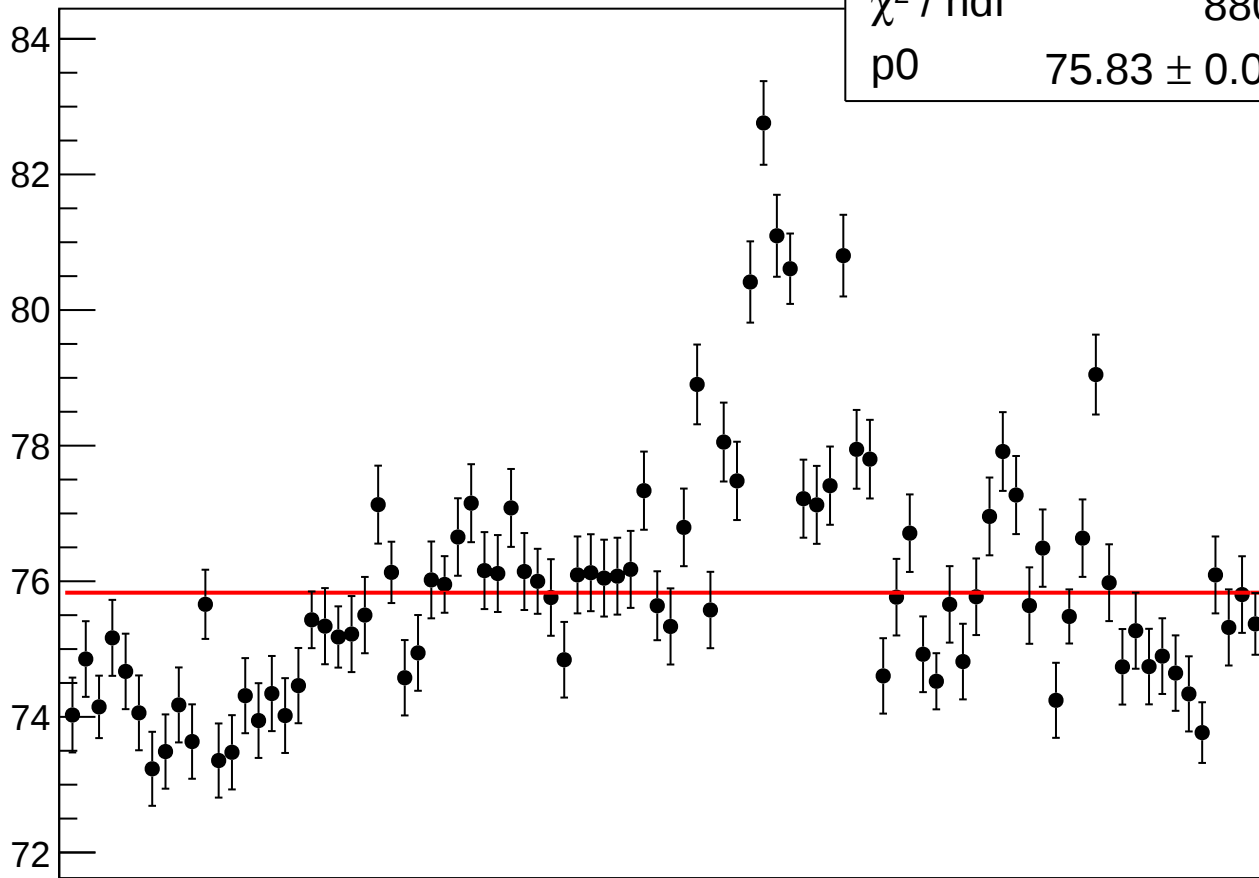
asym_bcm_an_ds3_rms vs run

χ^2 / ndf

880 / 89

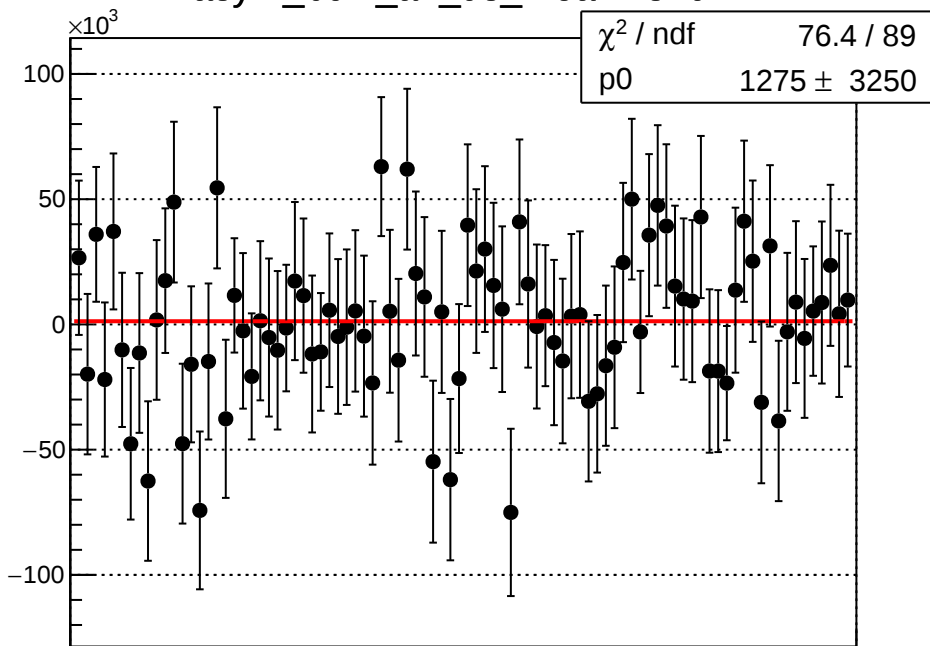
p0

75.83 ± 0.05734

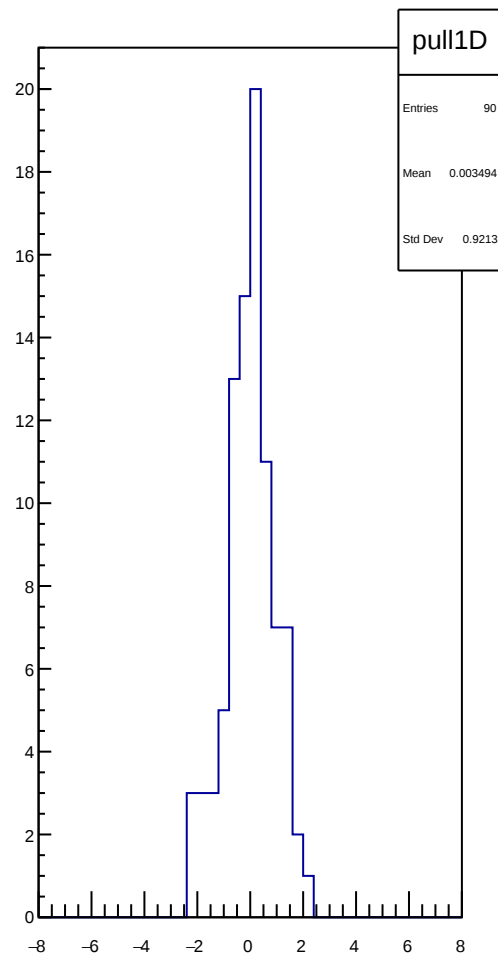
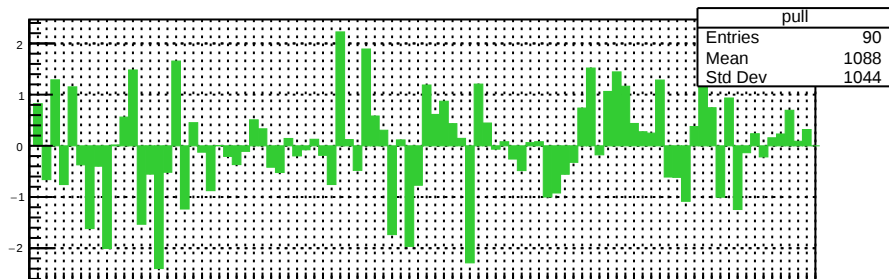


0 100 200 300 400 500 600 700 800 900 1000

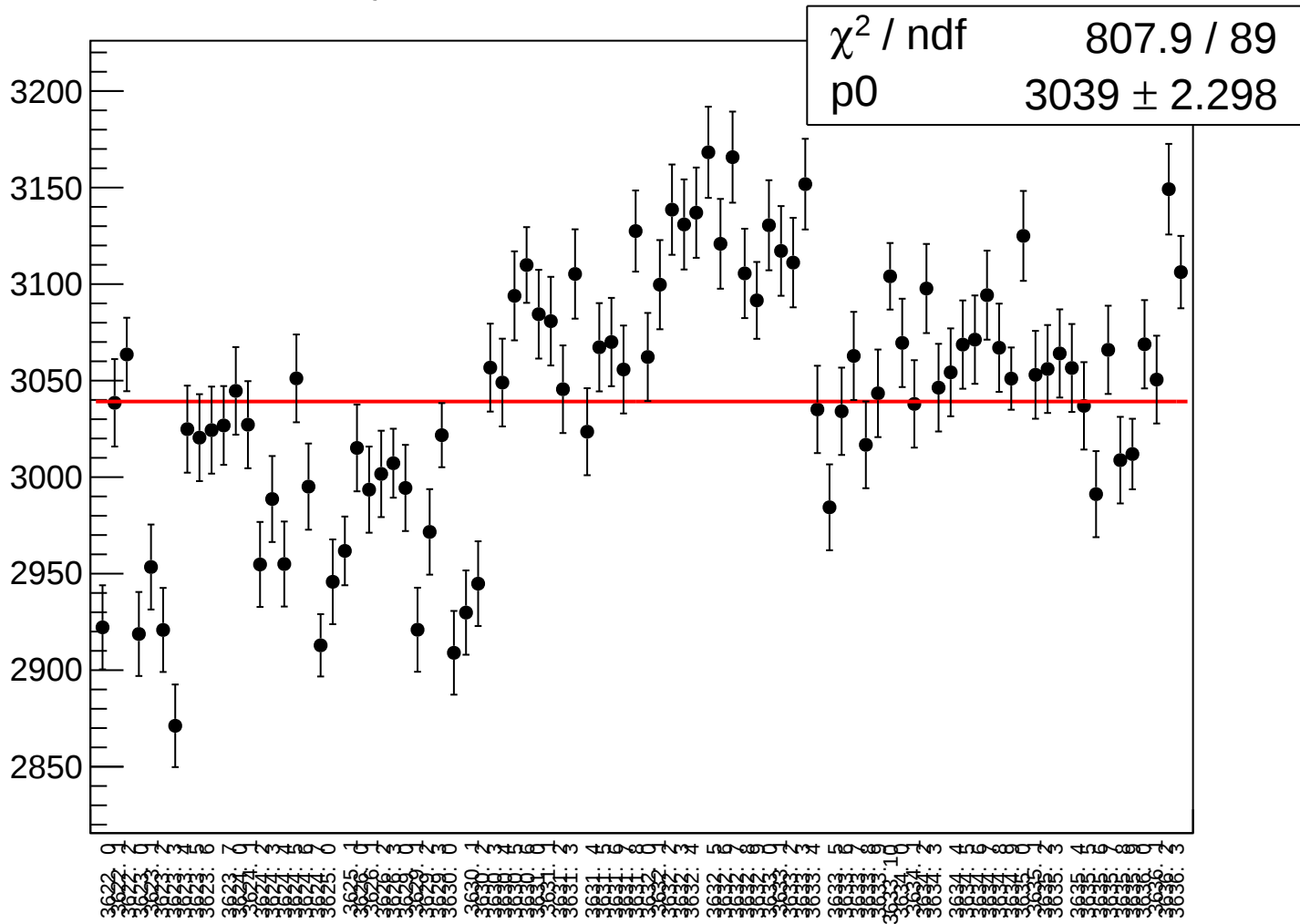
asym_bcm_an_us_mean vs run



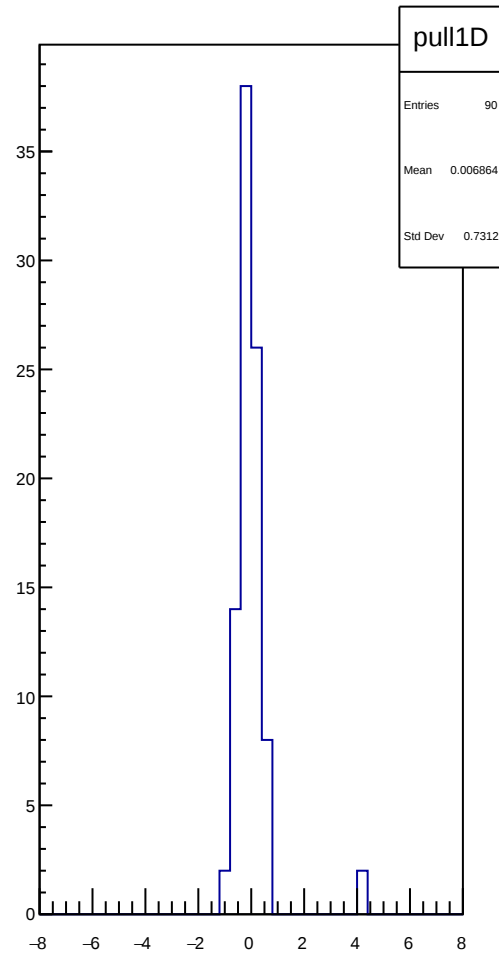
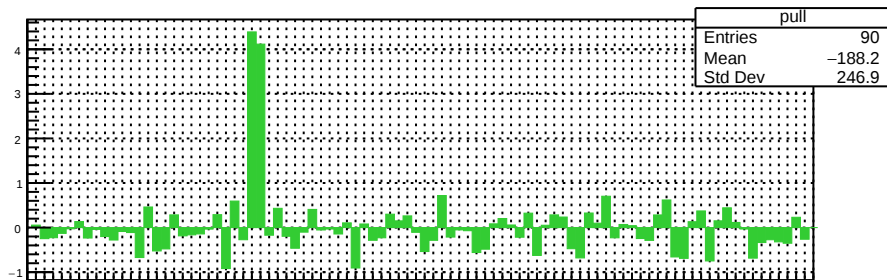
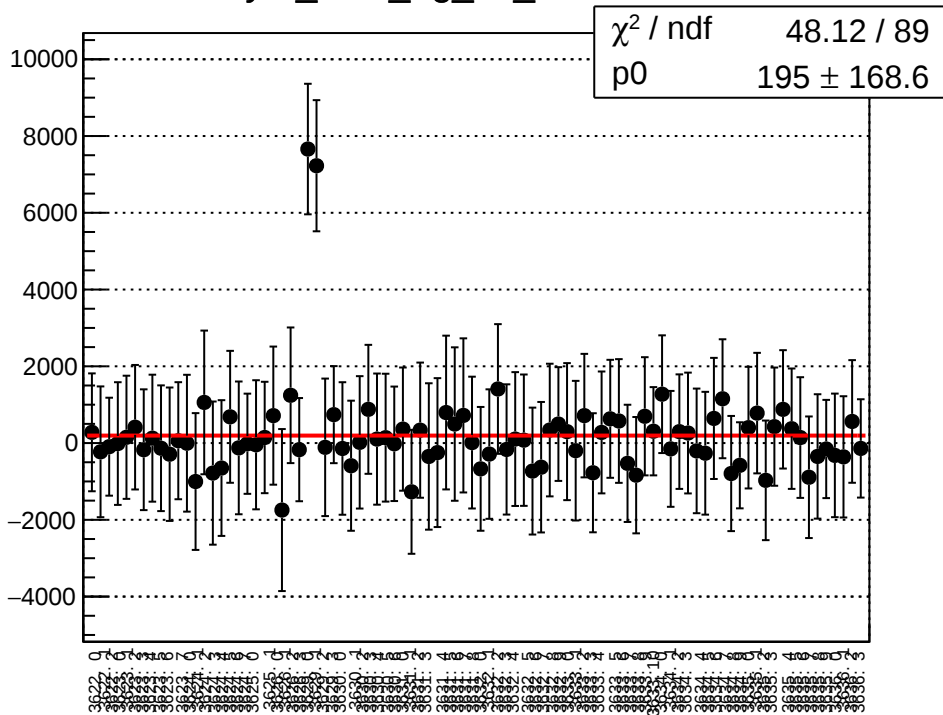
Correlation matrix plot showing the correlation between the data points. The plot is a lower triangular matrix of small scatter plots, indicating the correlation between different runs.



asym_bcm_an_us_rms vs run



asym_bcm_dg_us_mean vs run

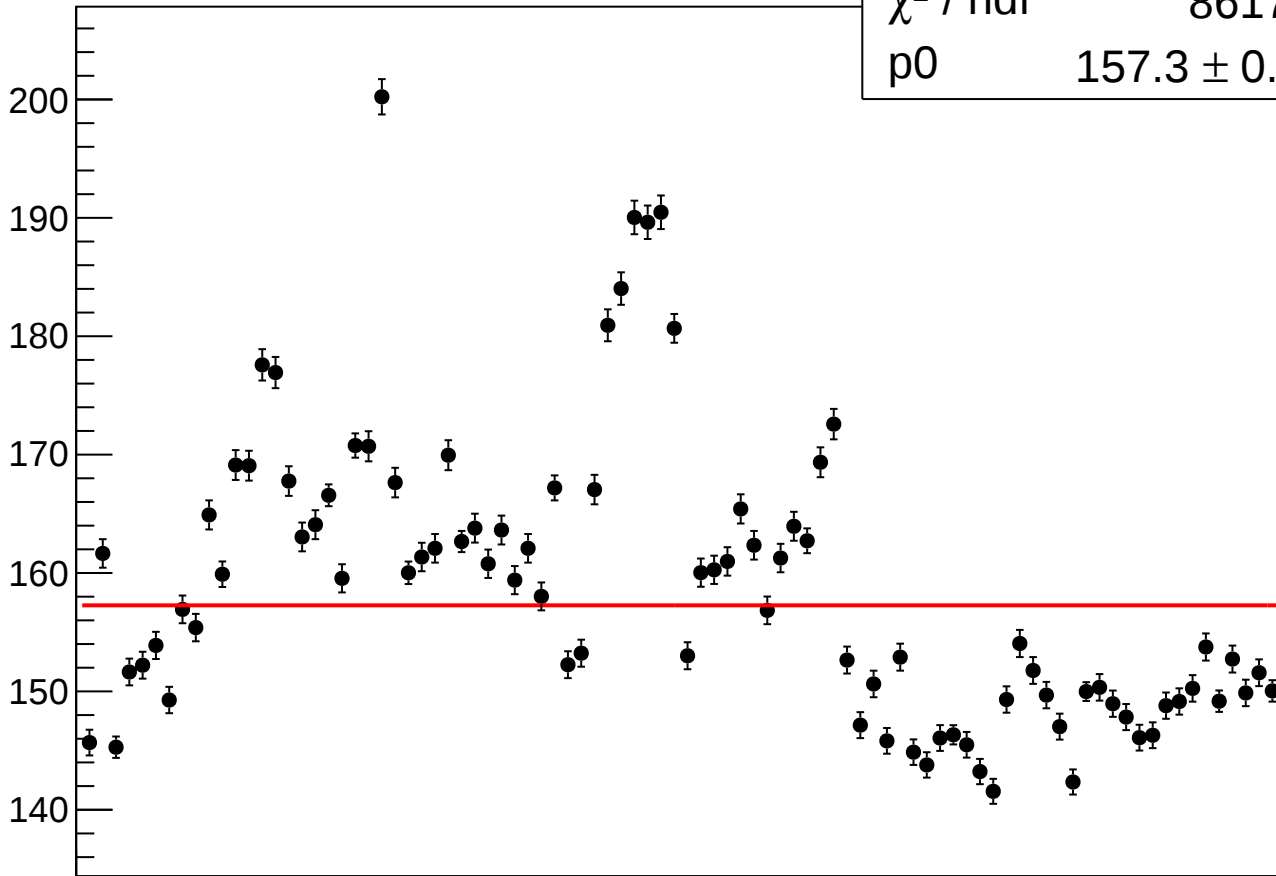


asym_bcm_dg_us_rms vs run

 χ^2 / ndf

8617 / 89

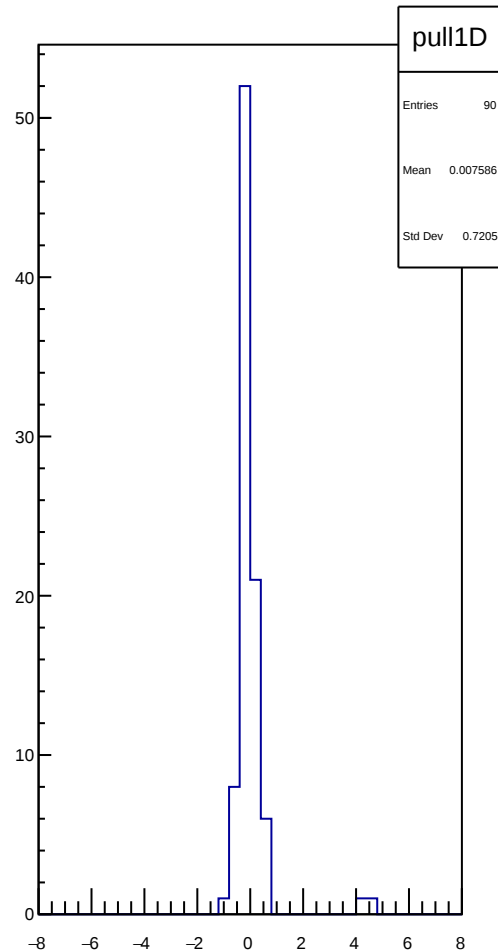
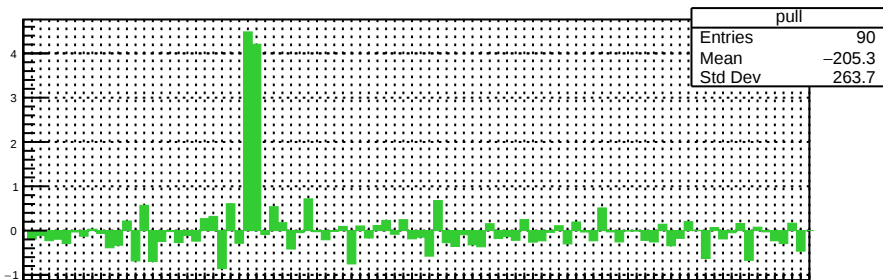
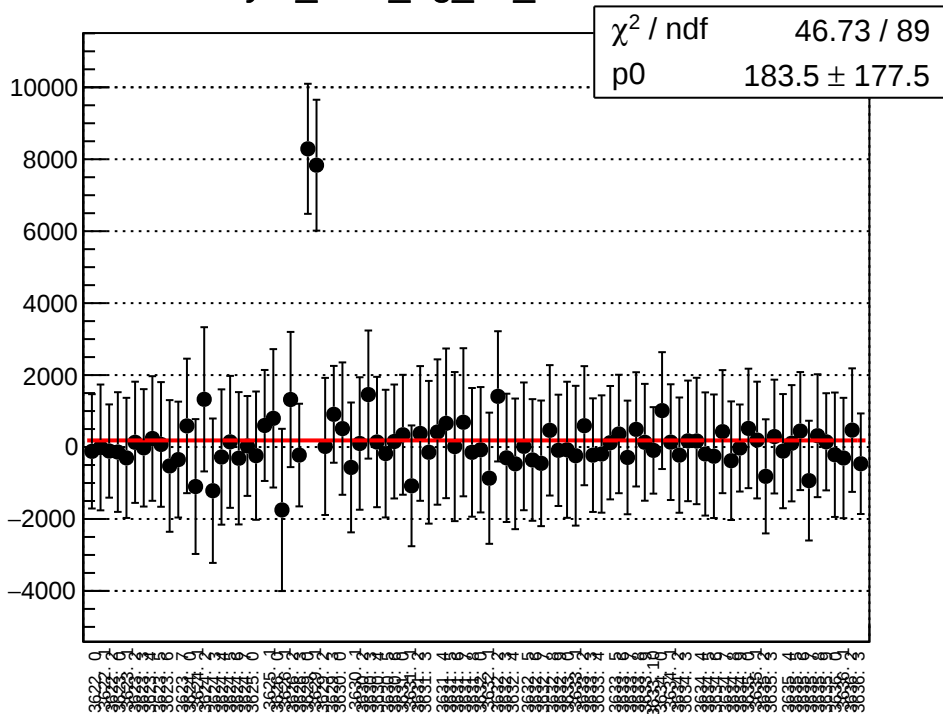
p0

 157.3 ± 0.1192


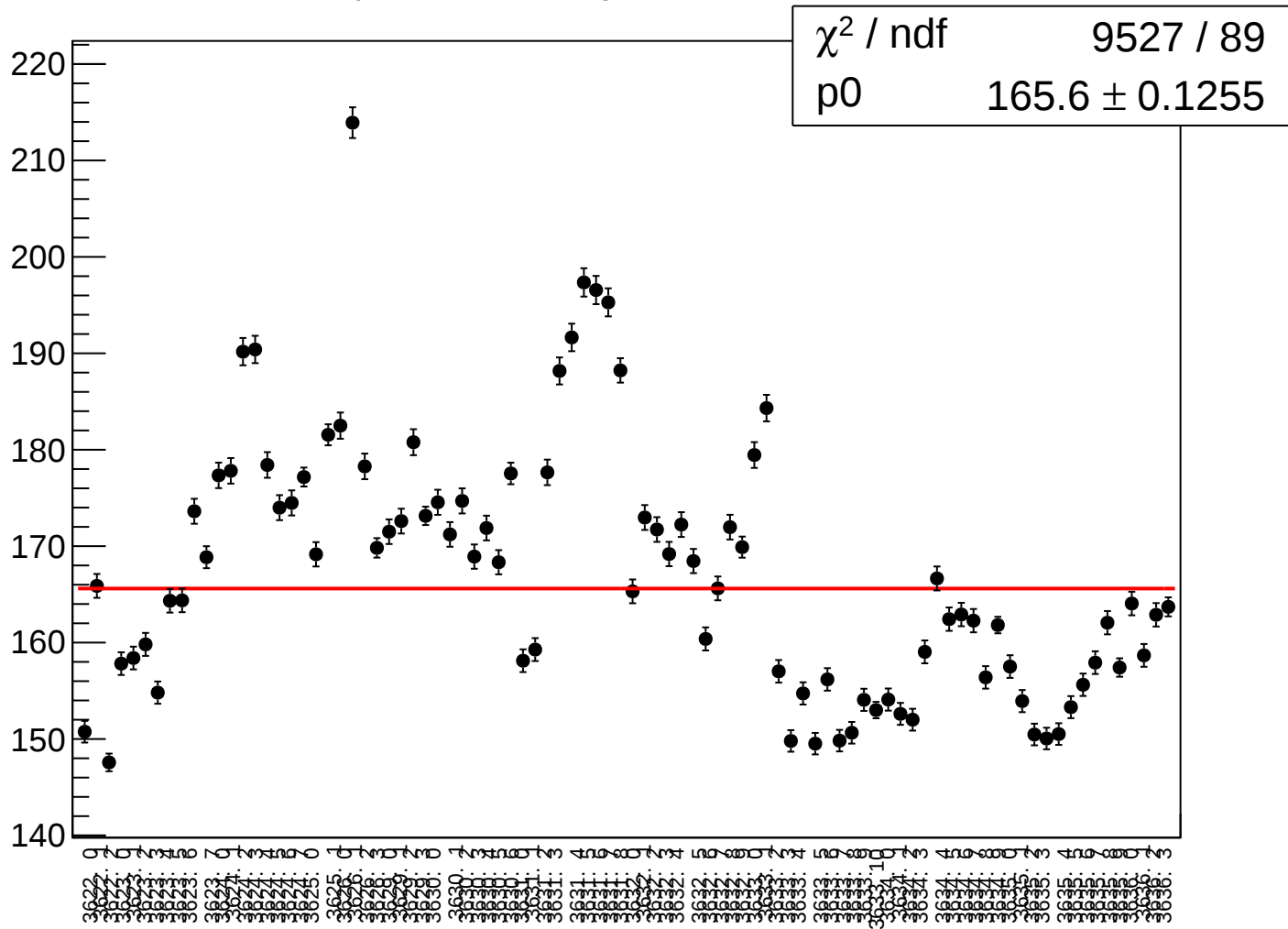
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140 150 160 170 180 190 200

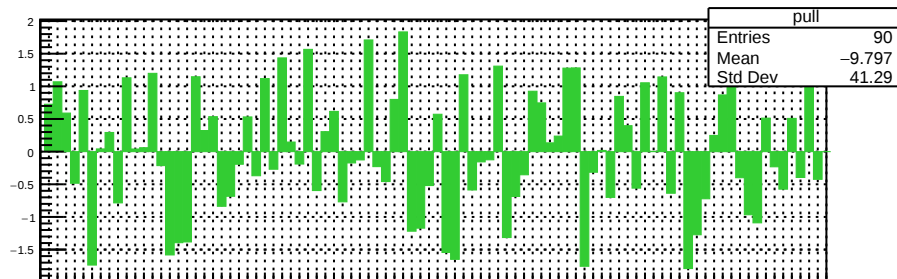
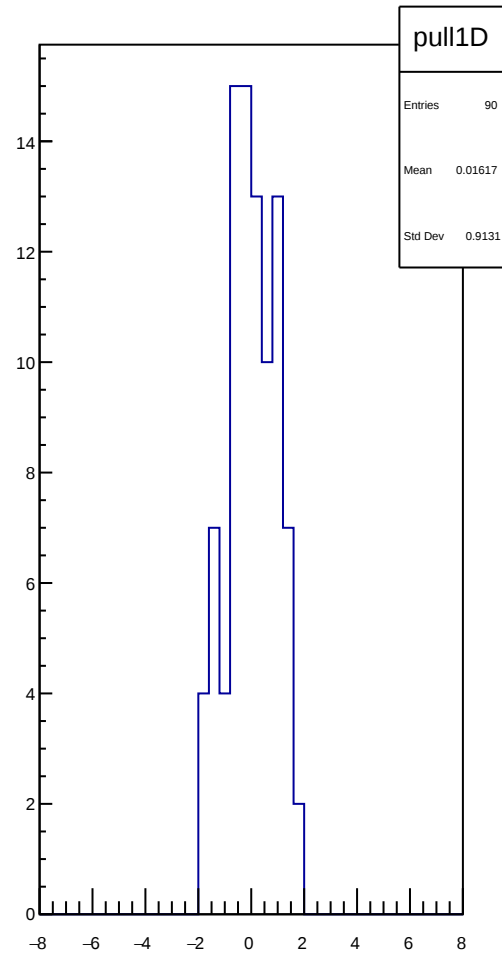
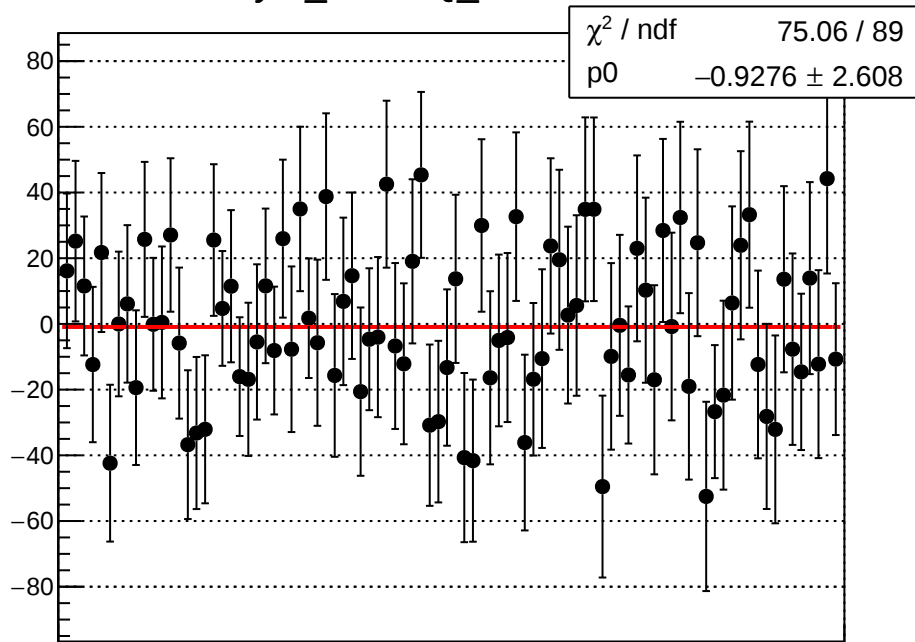
asym_bcm_dg_ds_mean vs run



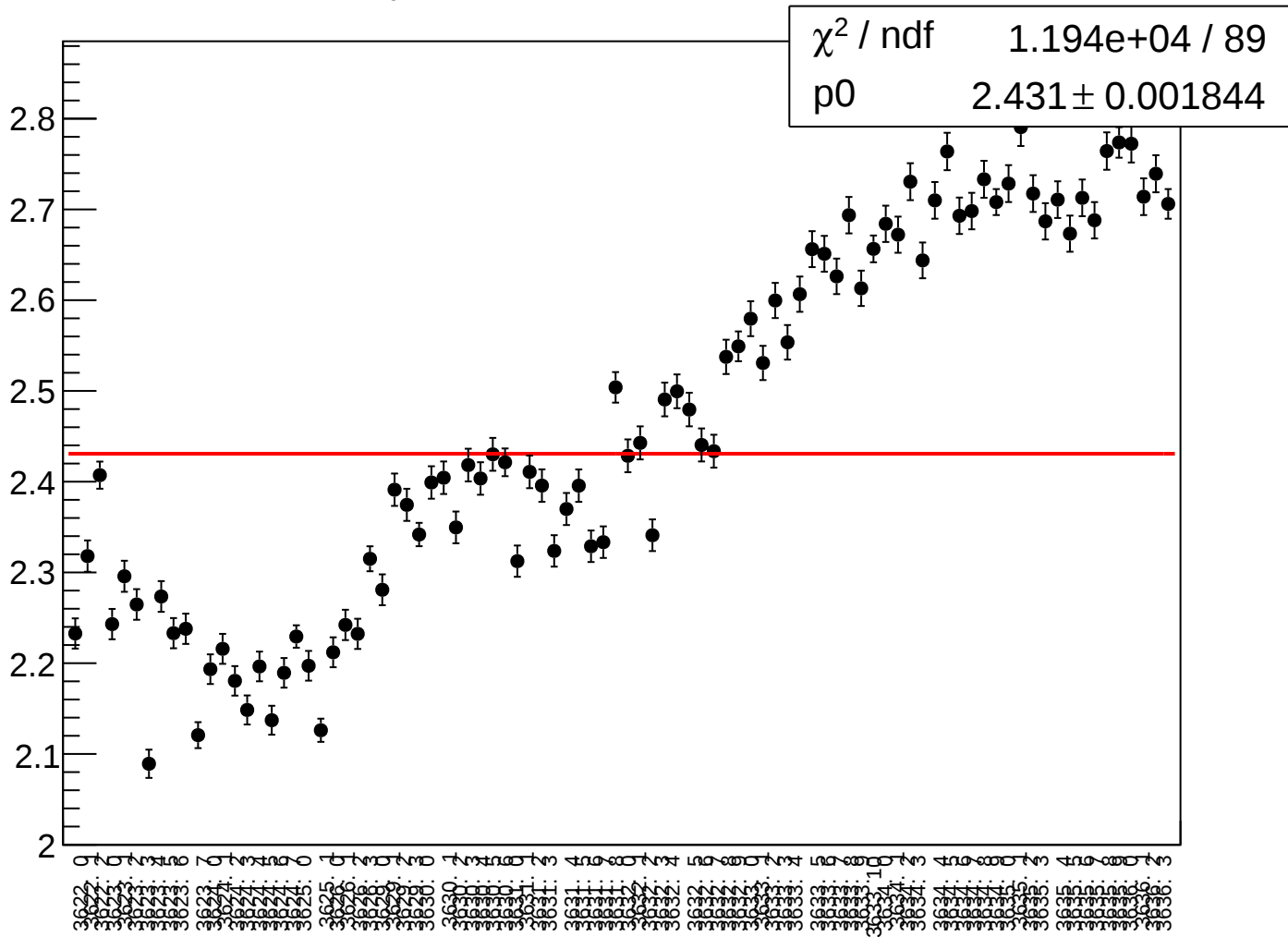
asym_bcm_dg_ds_rms vs run



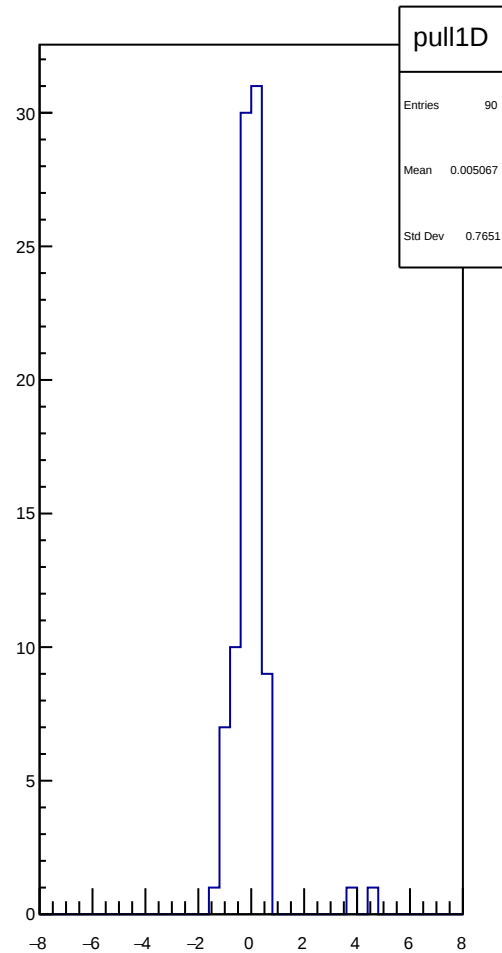
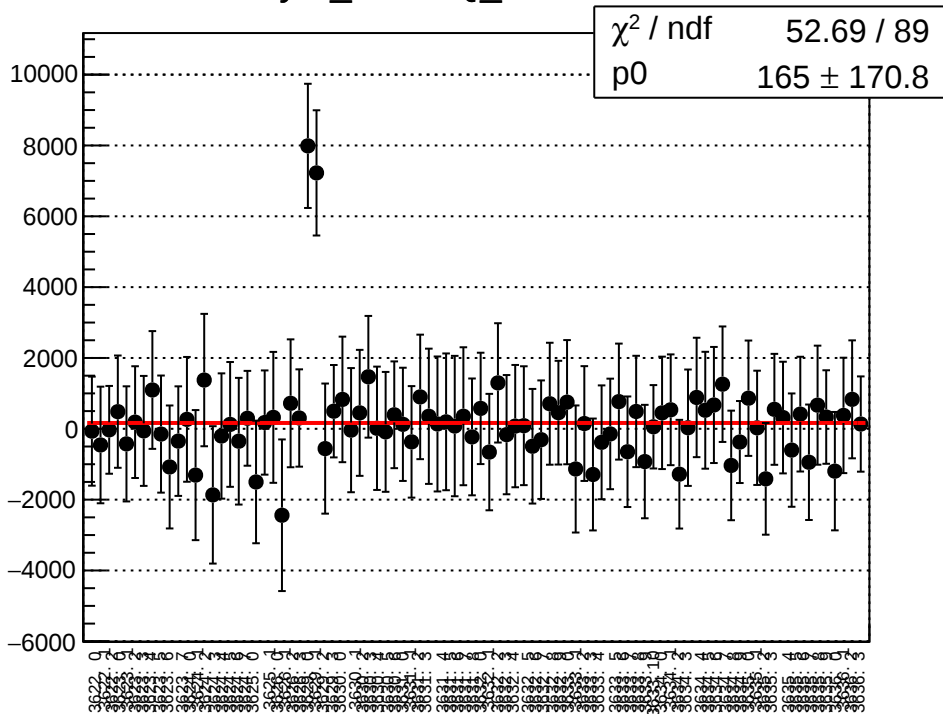
asym_cav4bQ_mean vs run



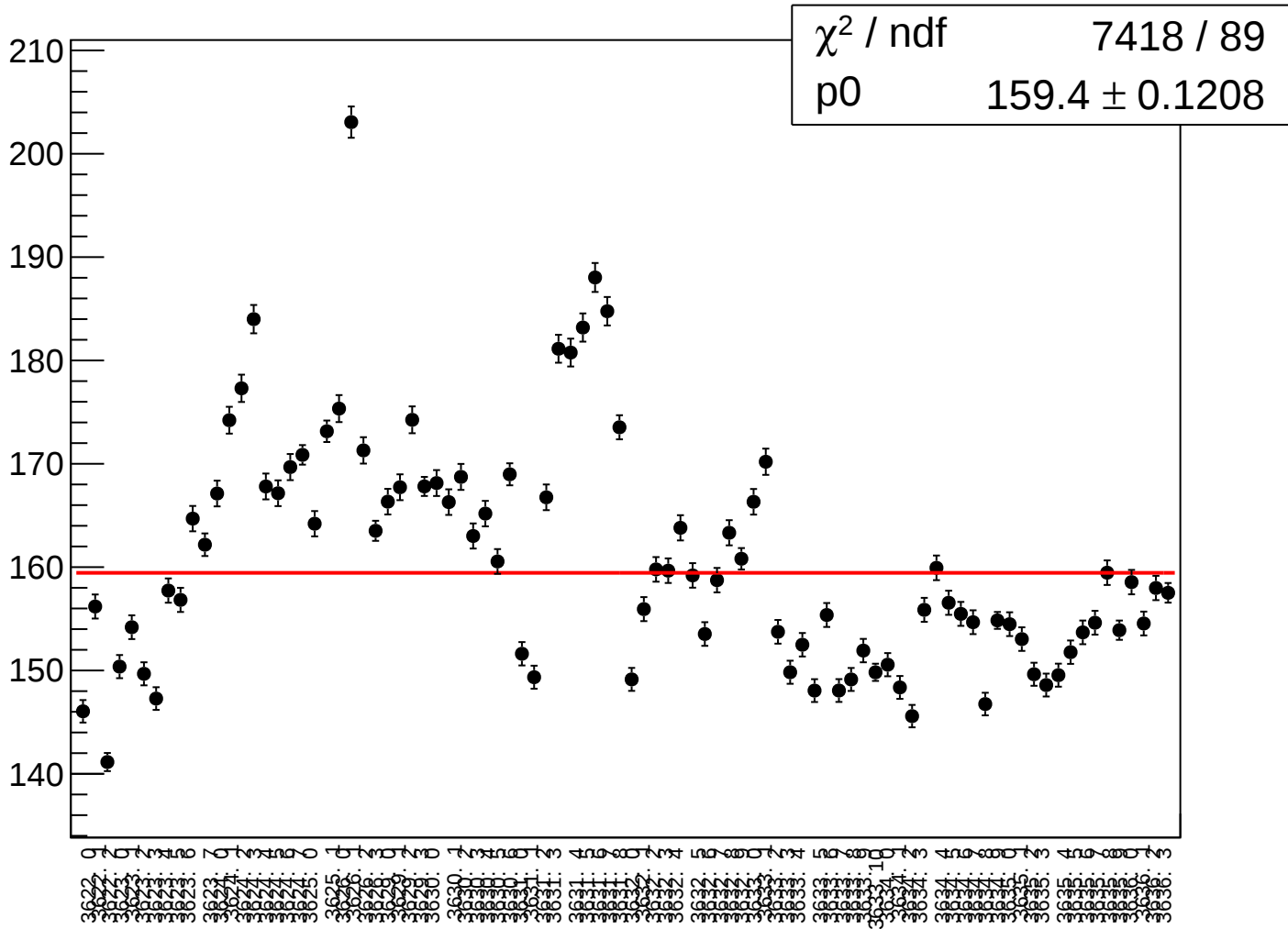
asym_cav4bQ_rms vs run



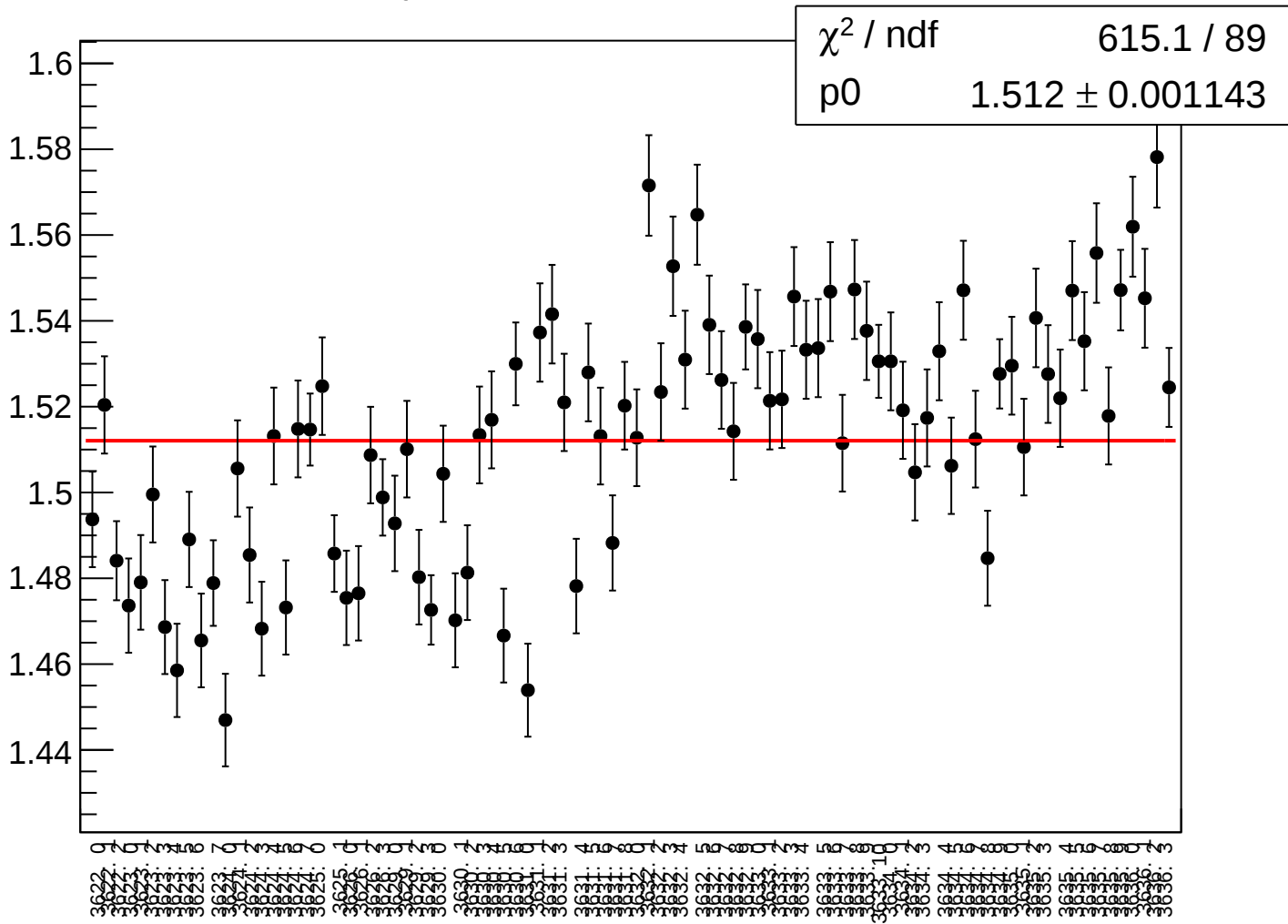
asym_cav4cQ_mean vs run



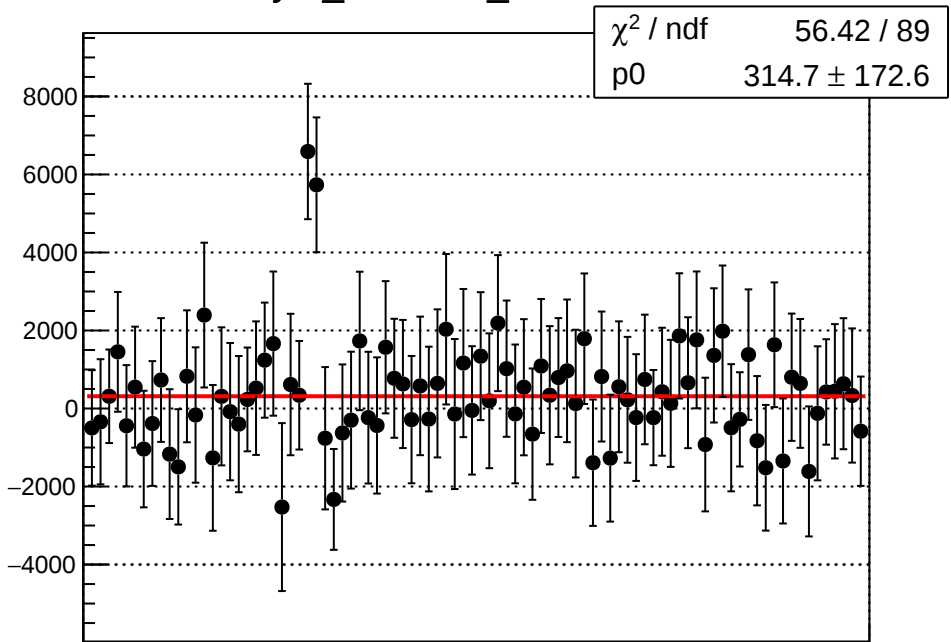
asym_cav4cQ_rms vs run



asym_cav4dQ_rms vs run

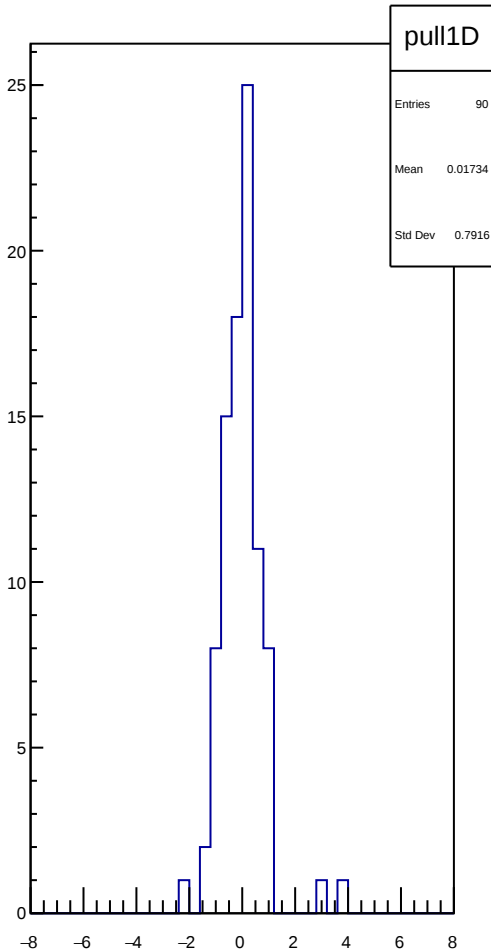
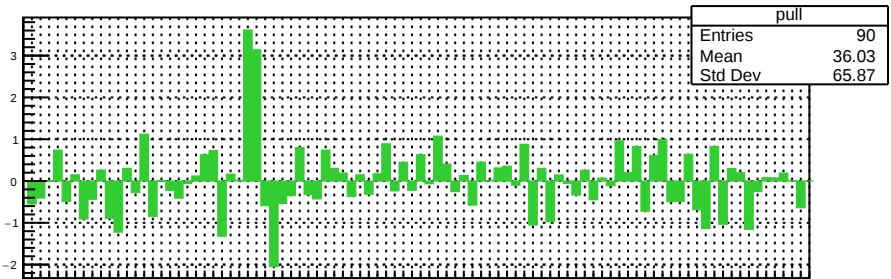


asym_bcm0l02_mean vs run

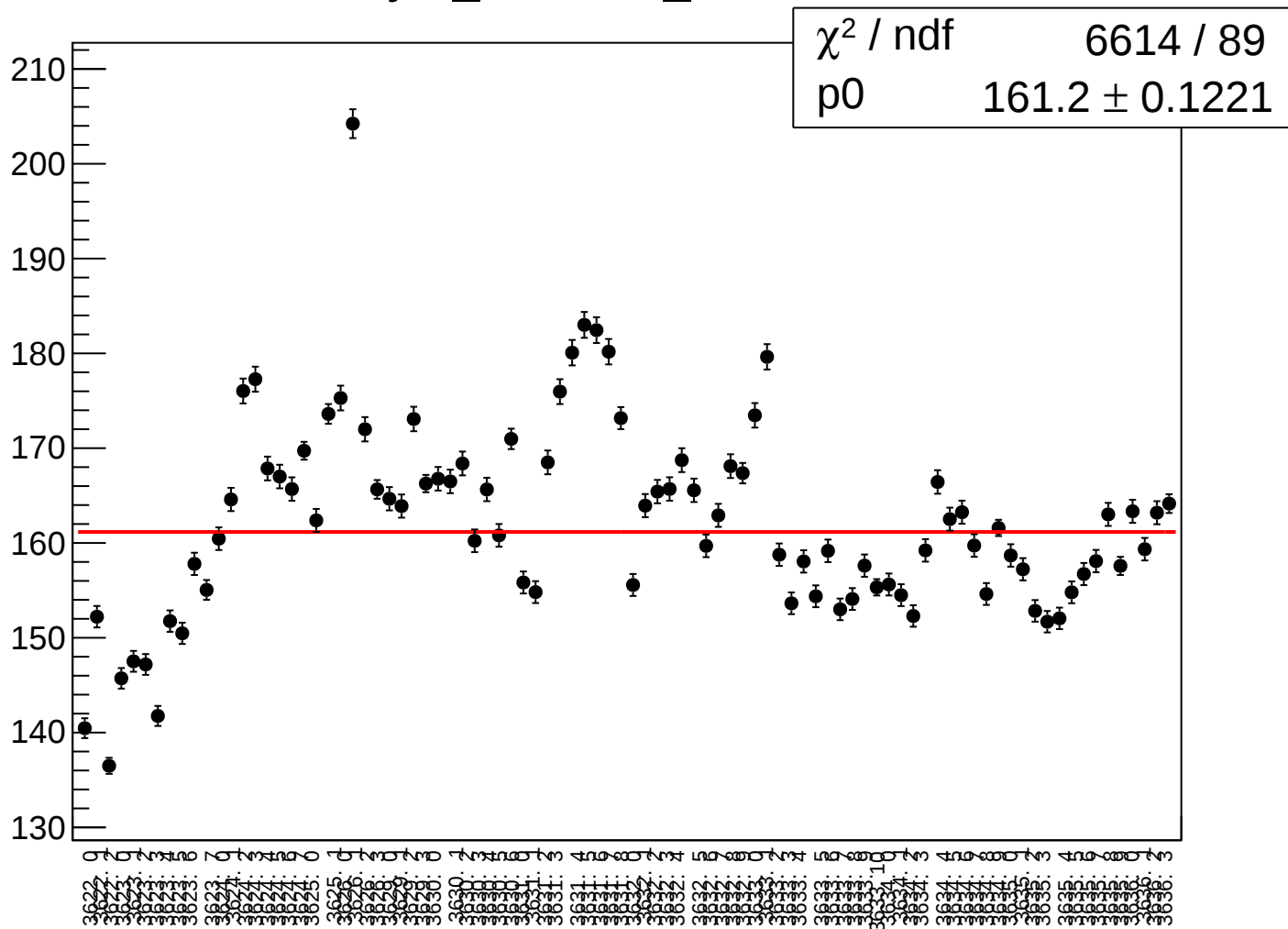


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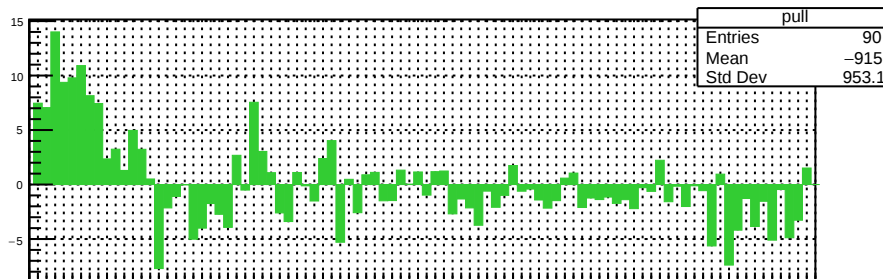
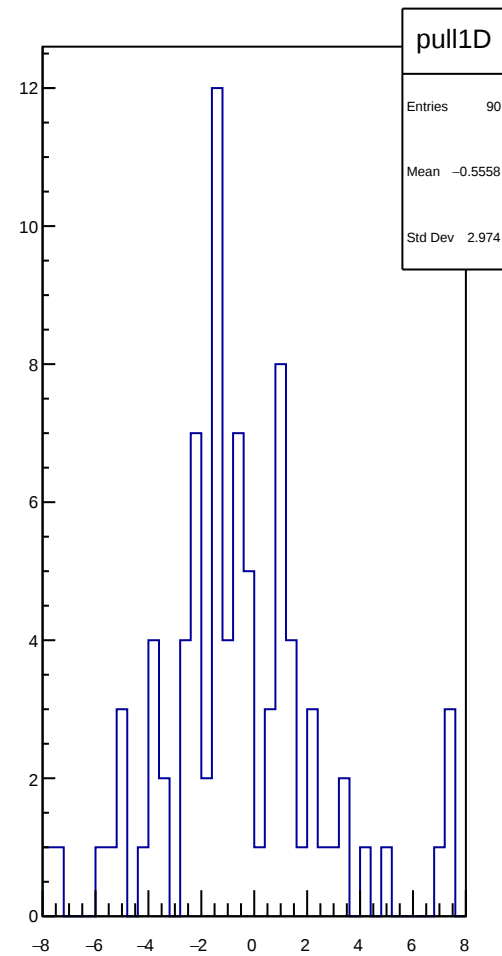
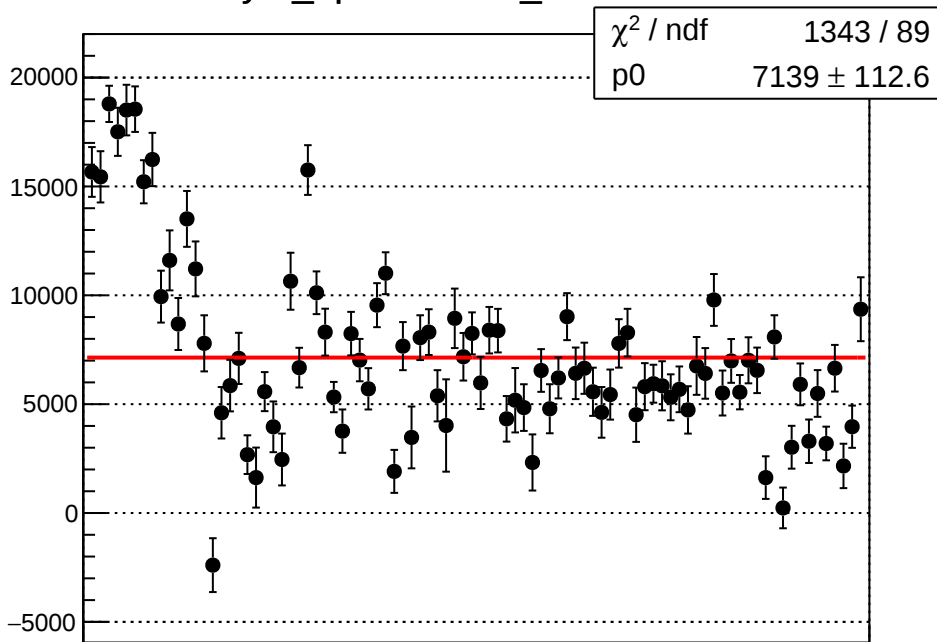
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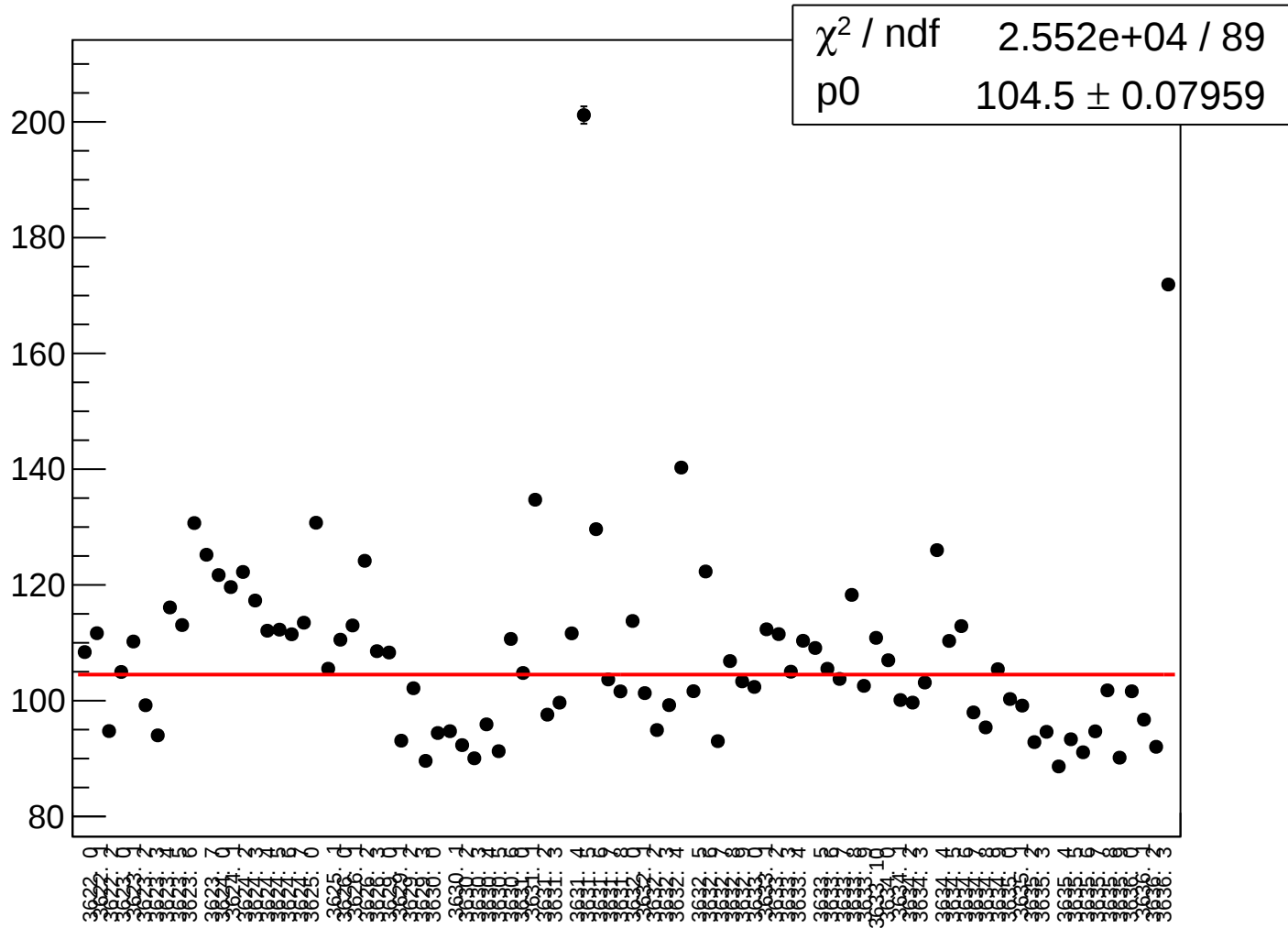
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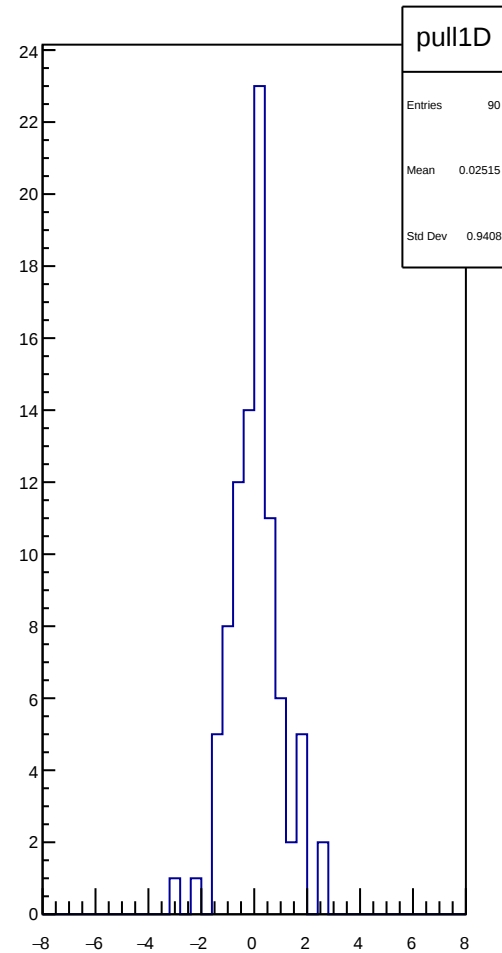
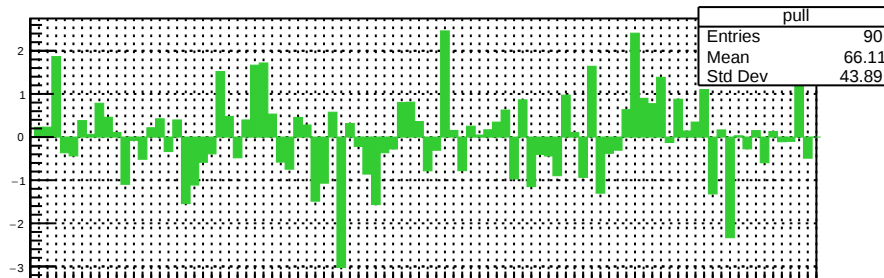
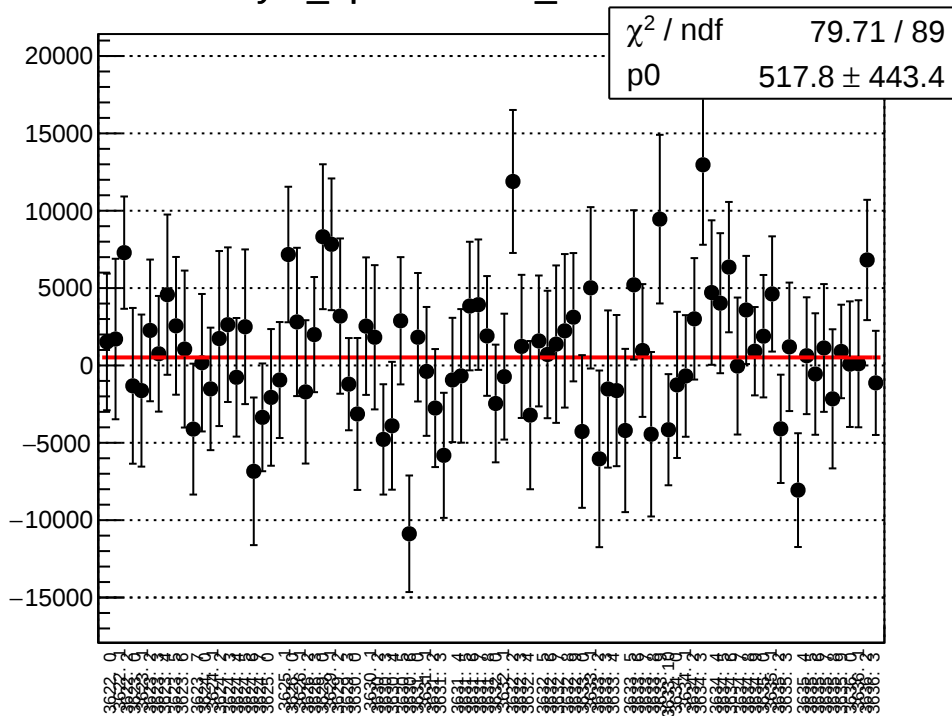
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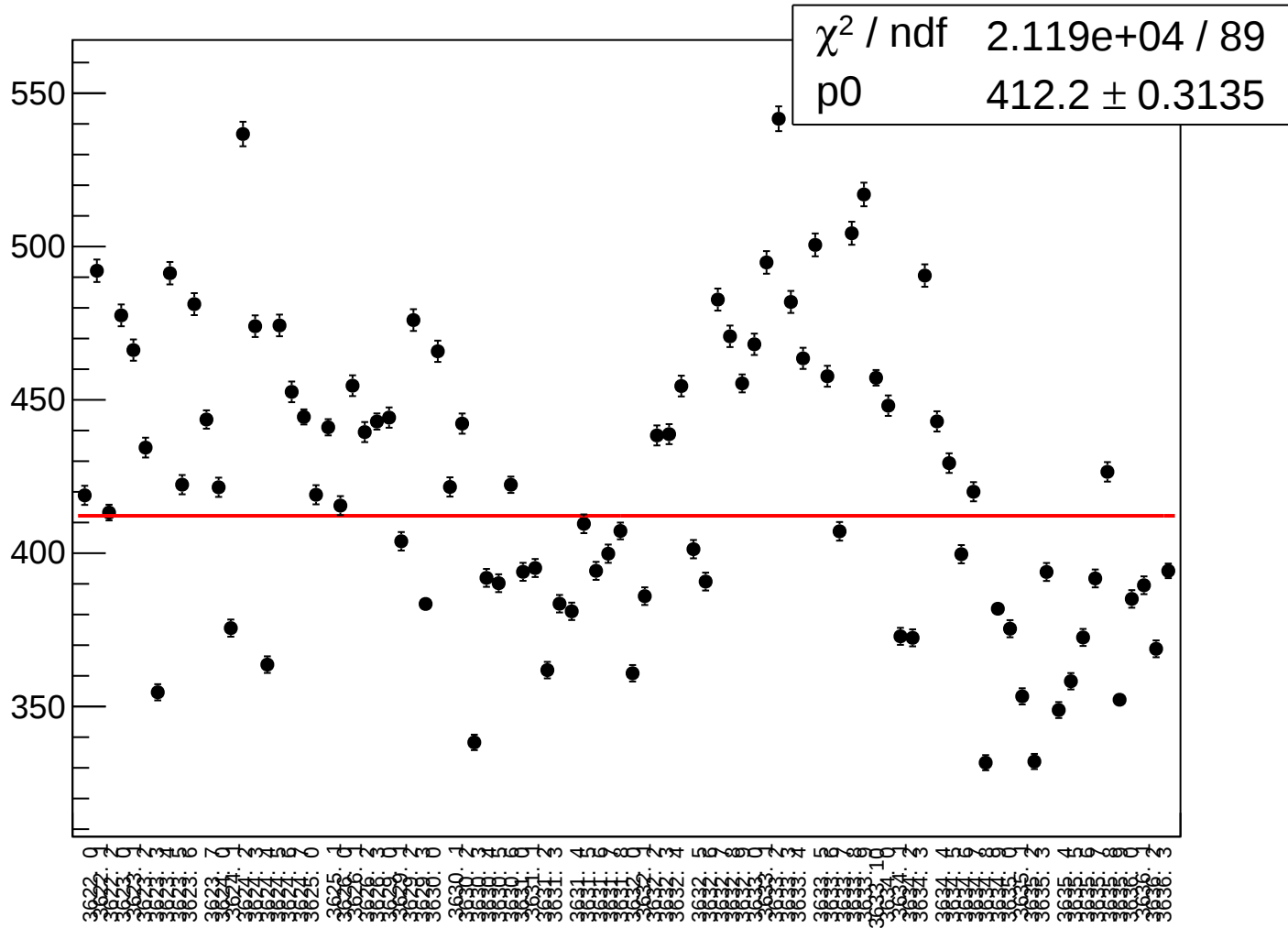
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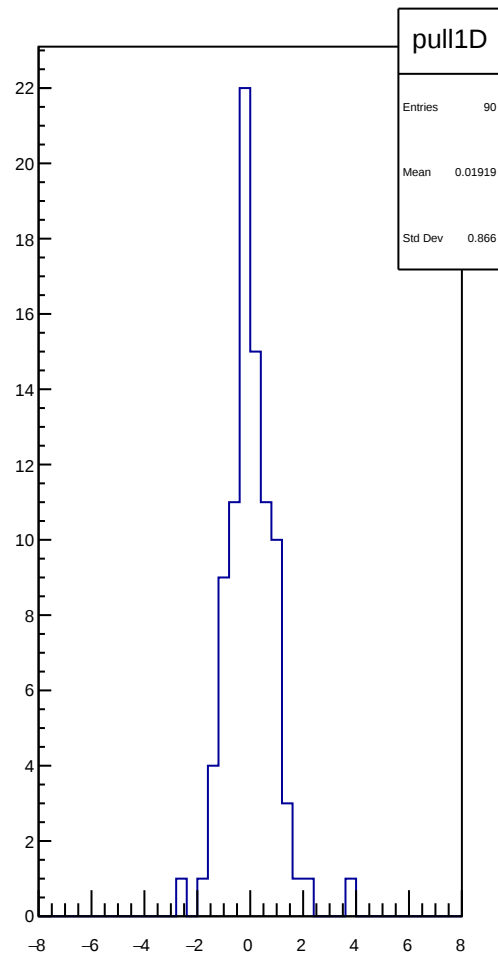
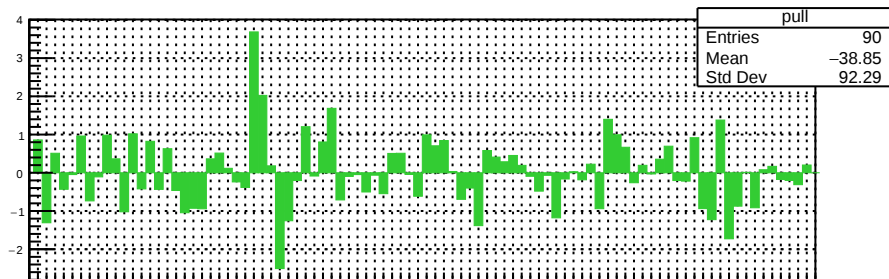
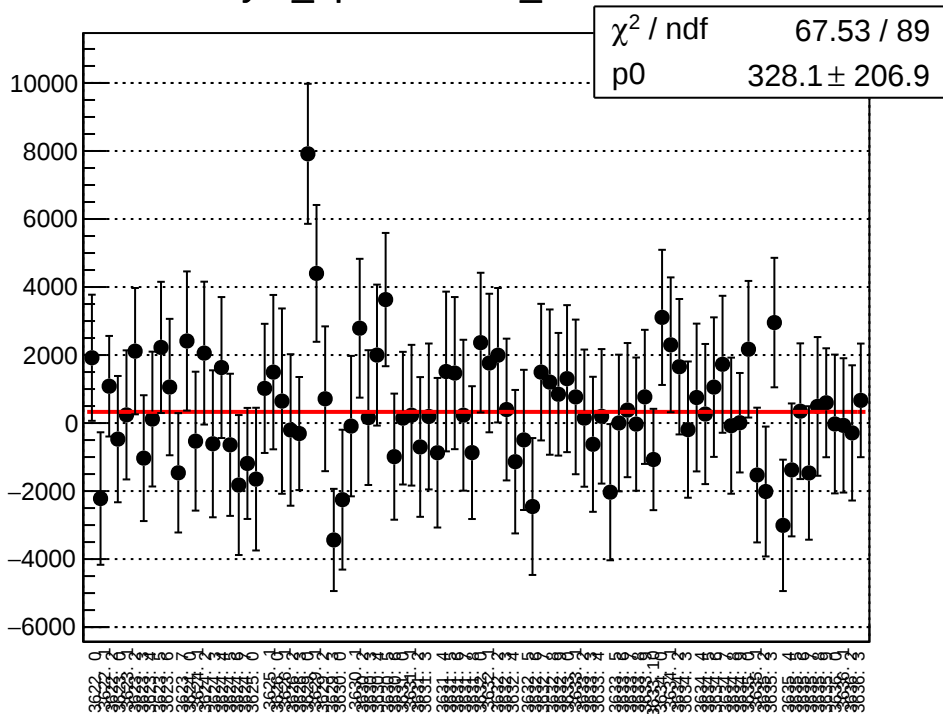
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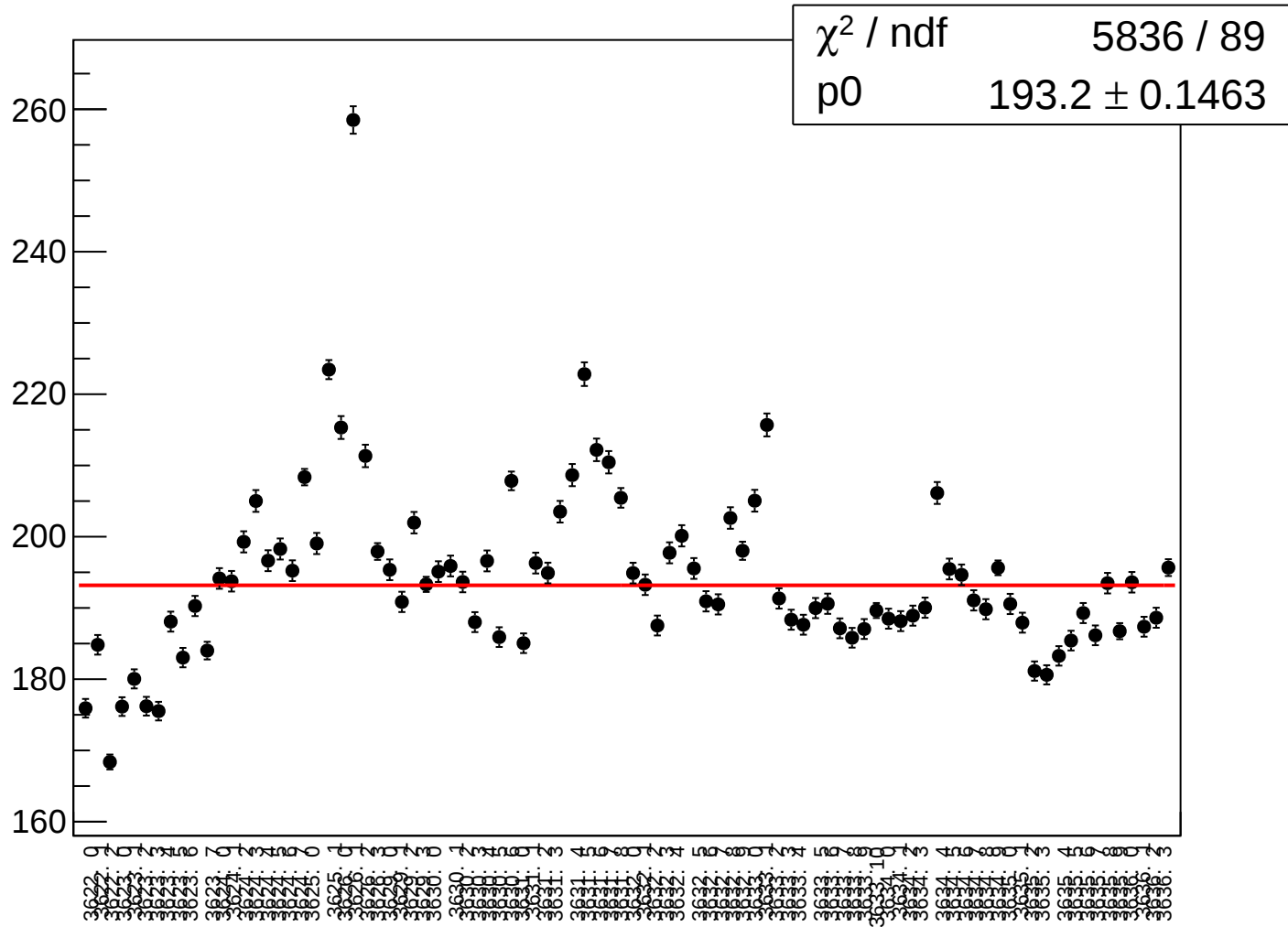
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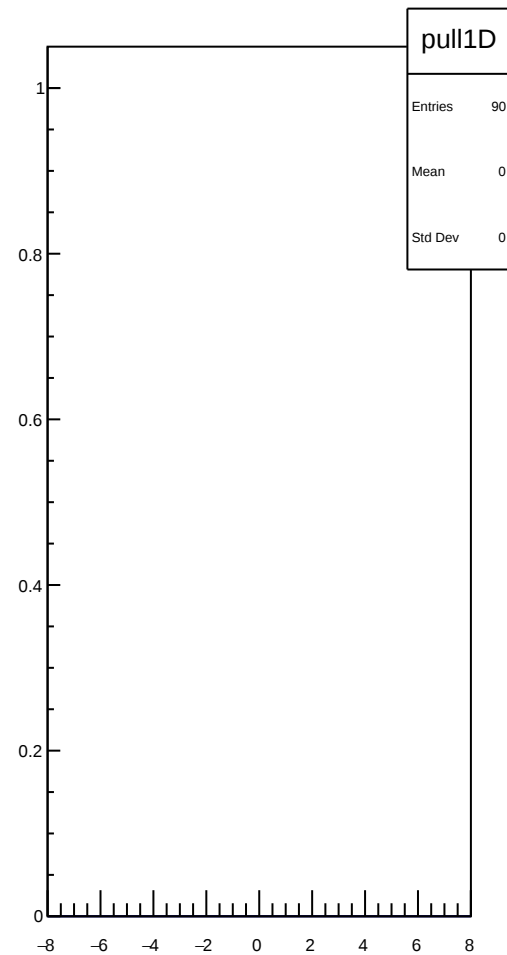
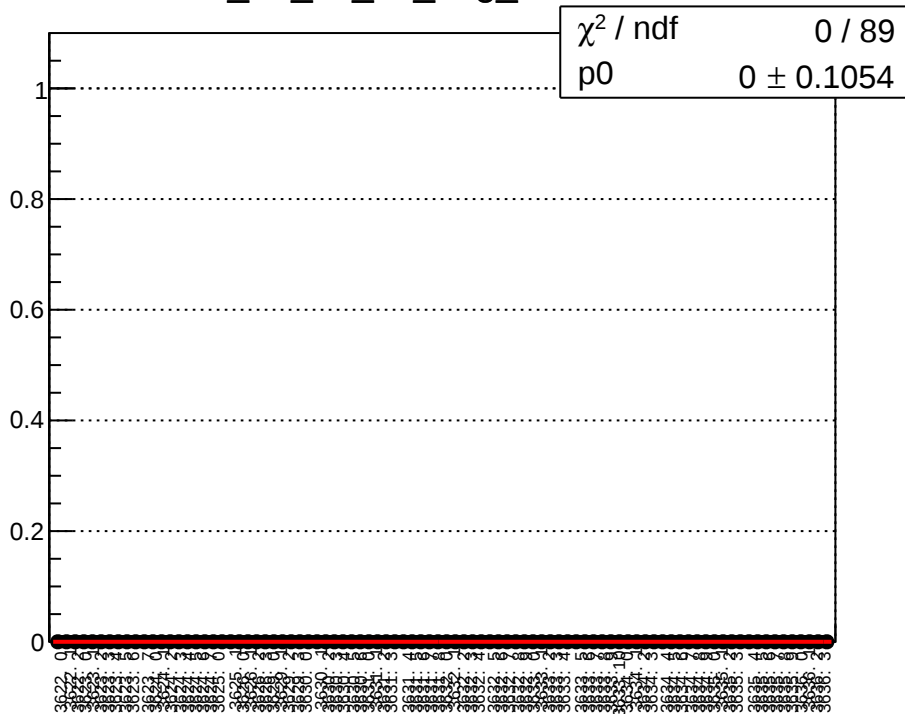
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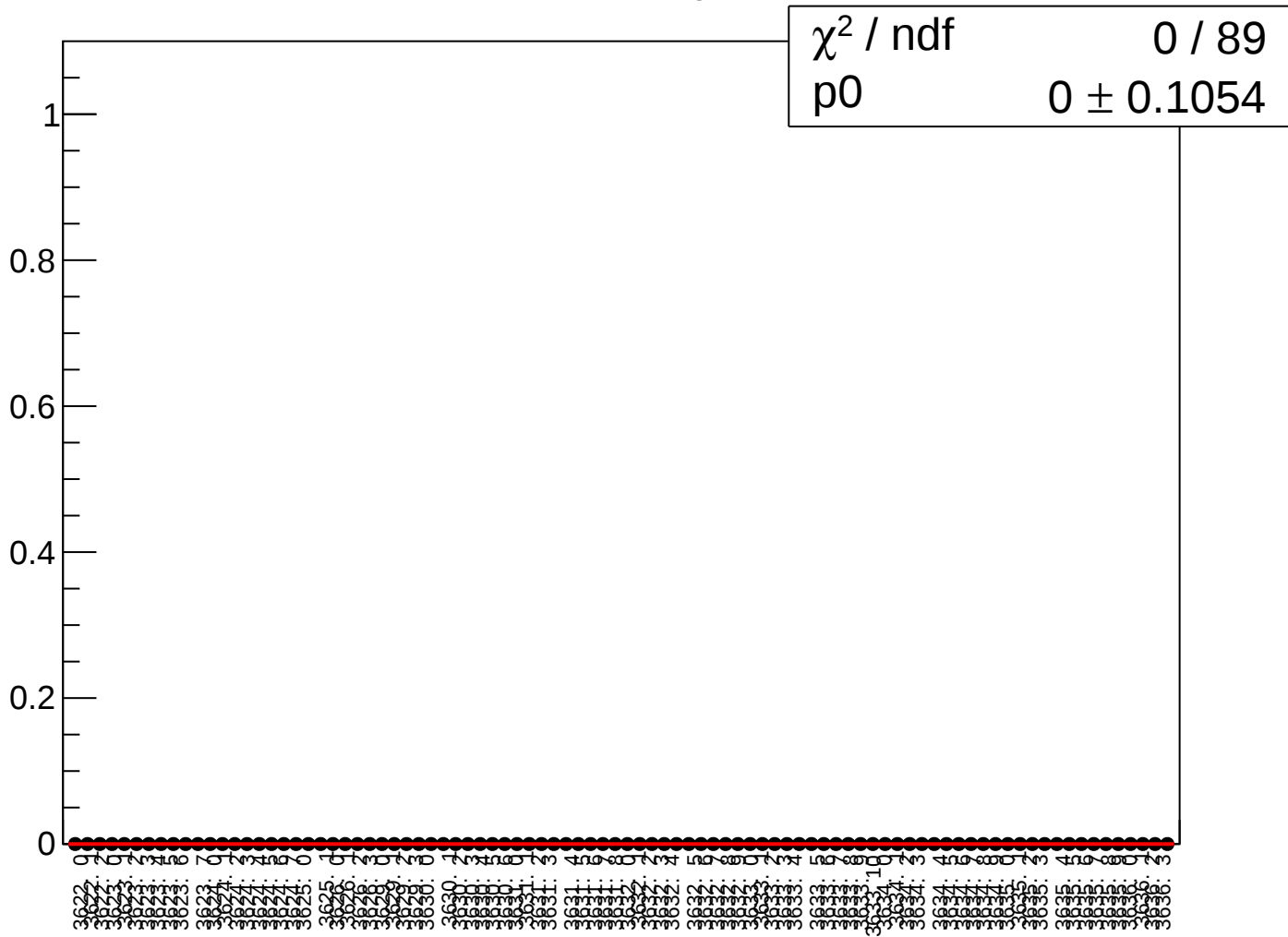
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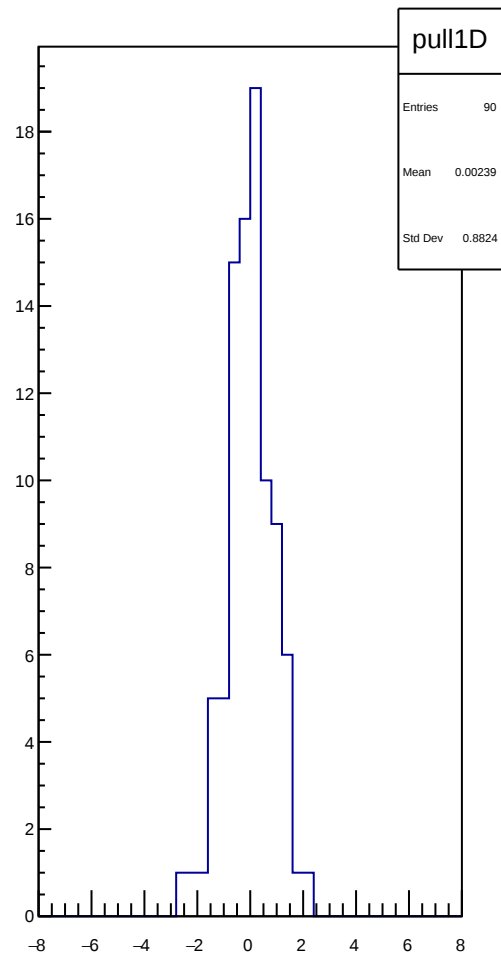
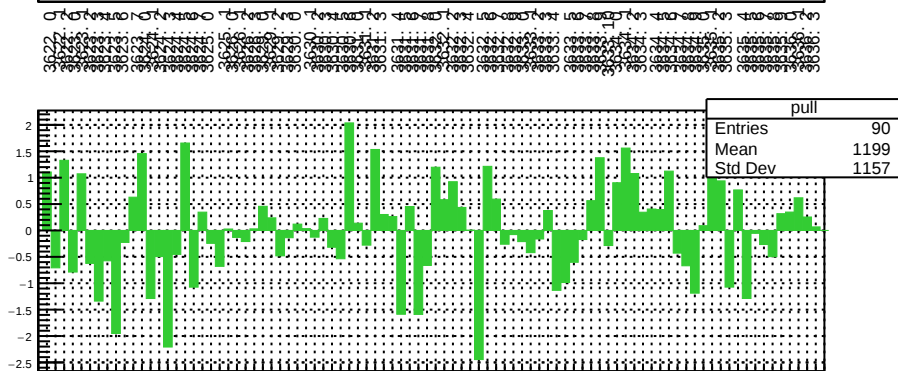
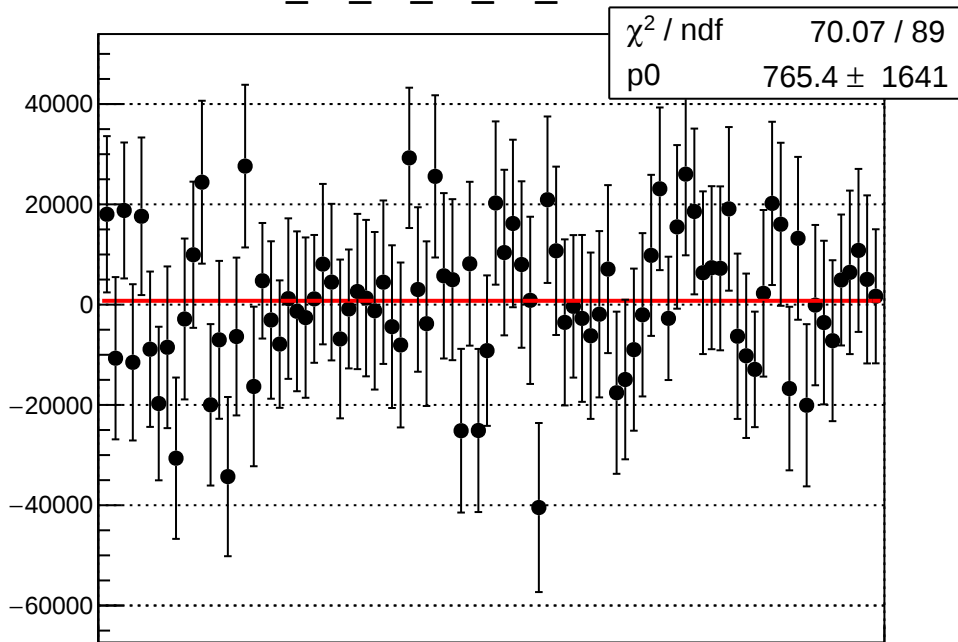
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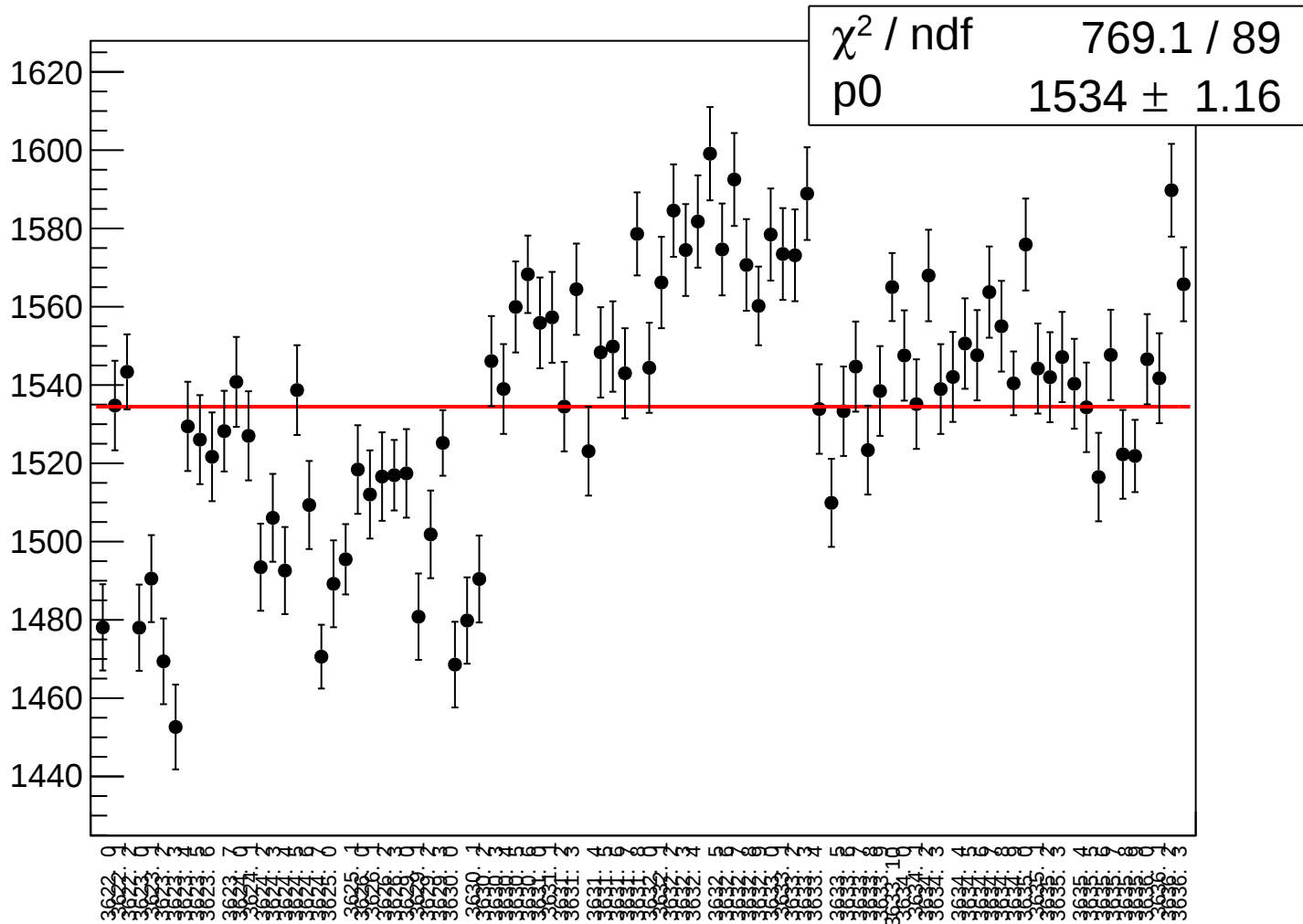
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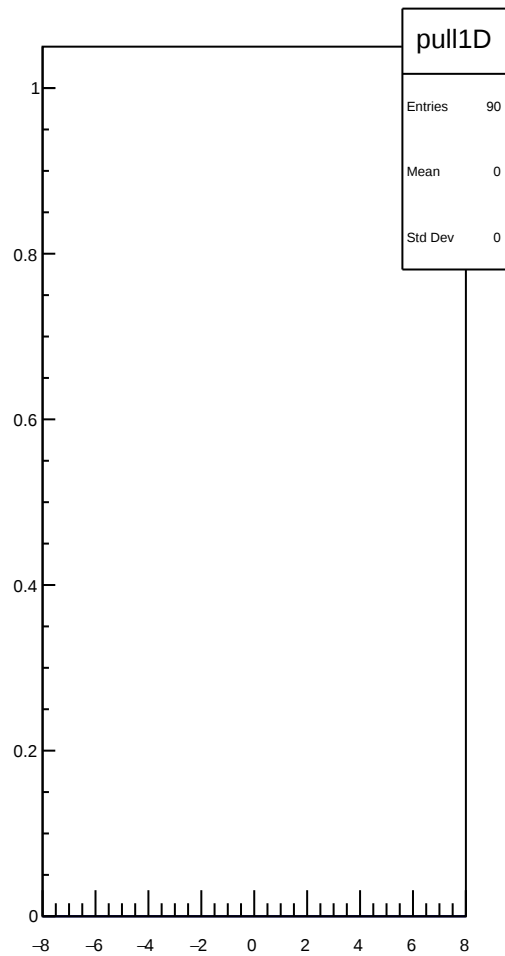
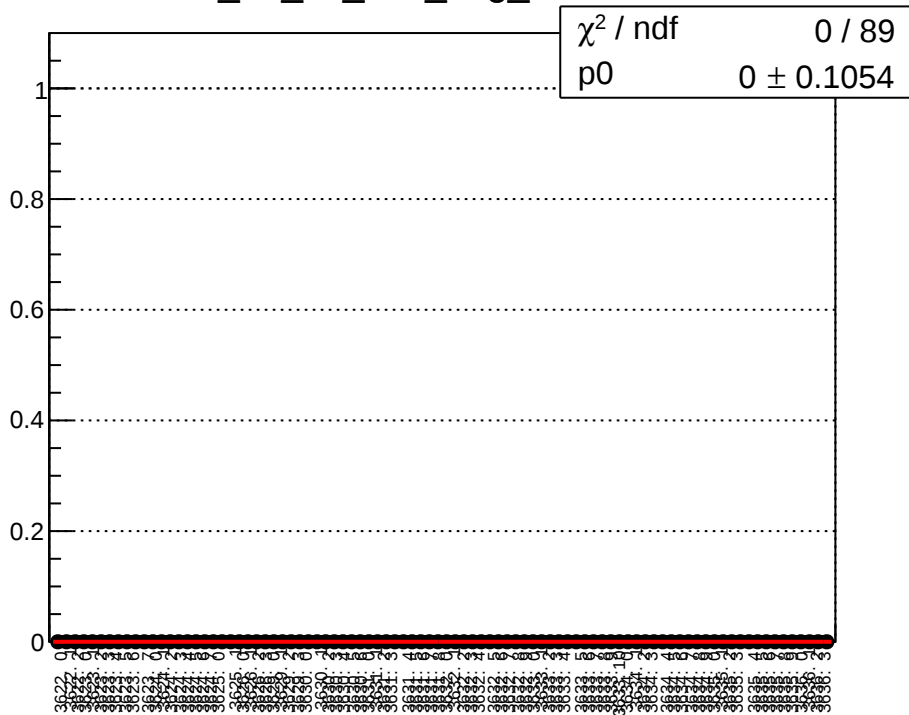
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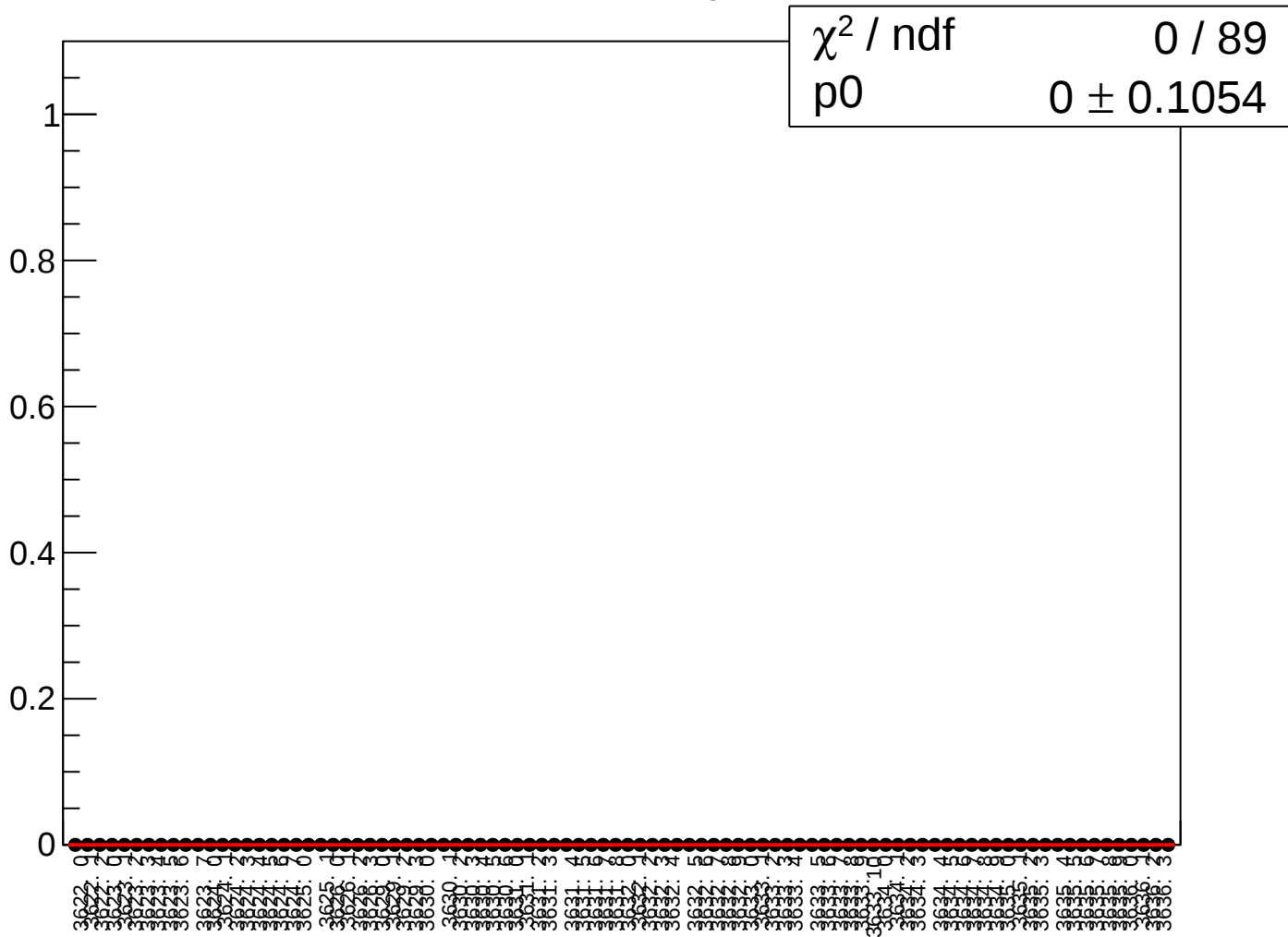
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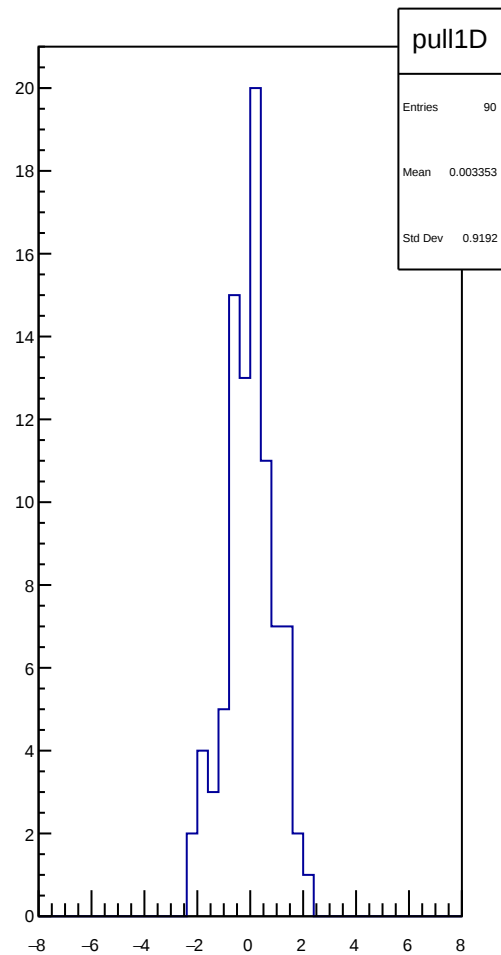
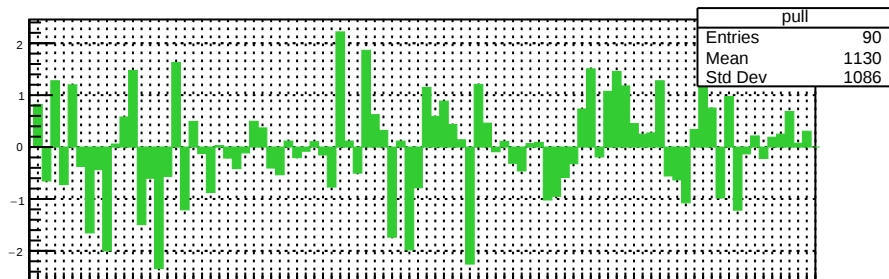
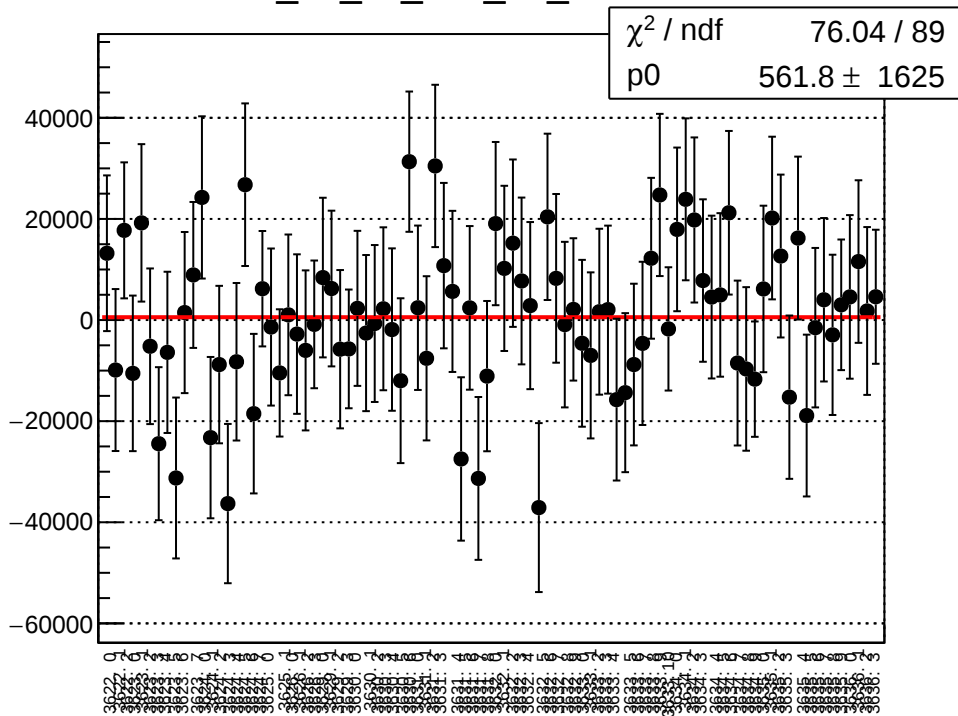
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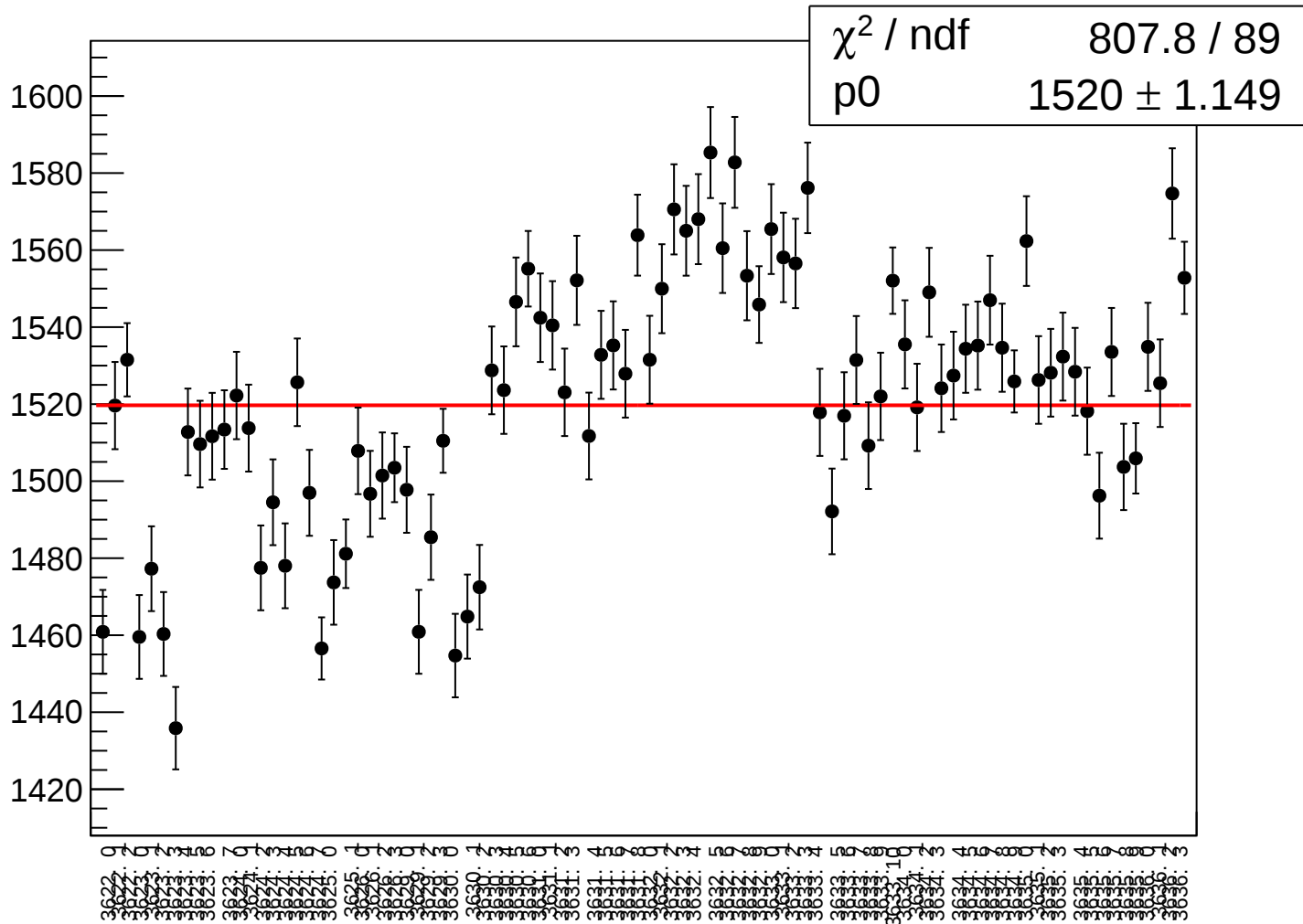
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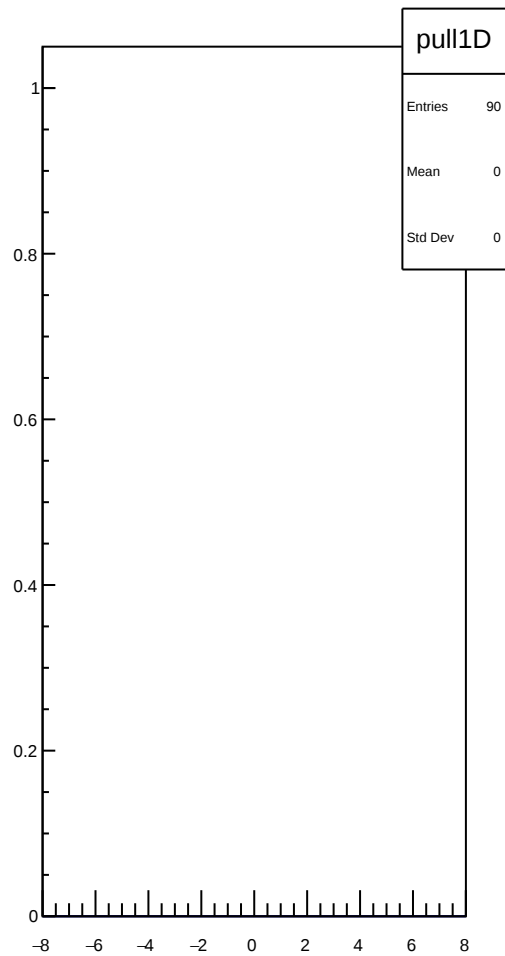
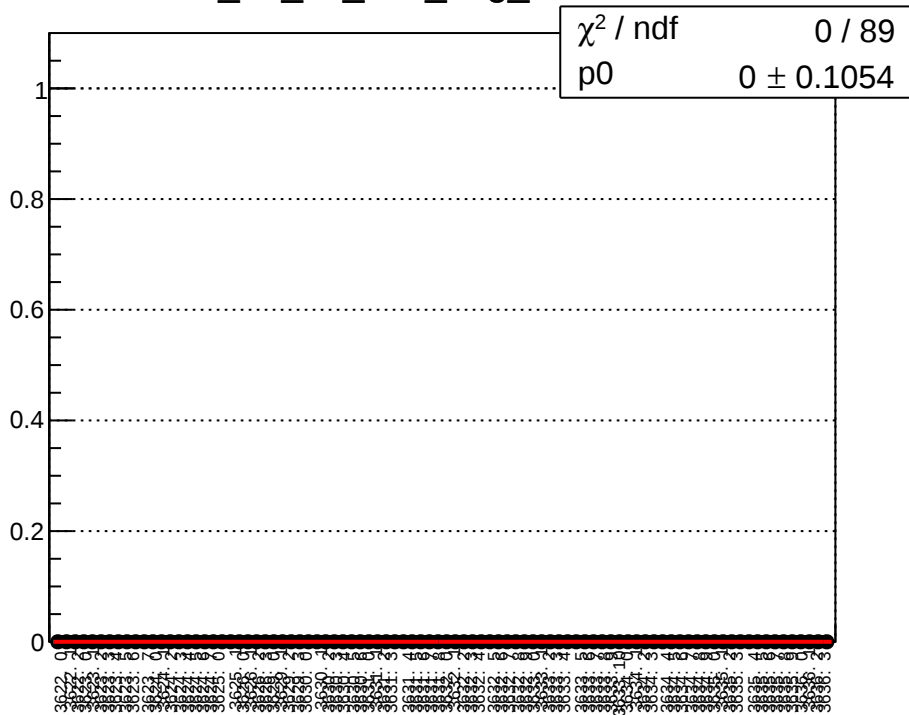
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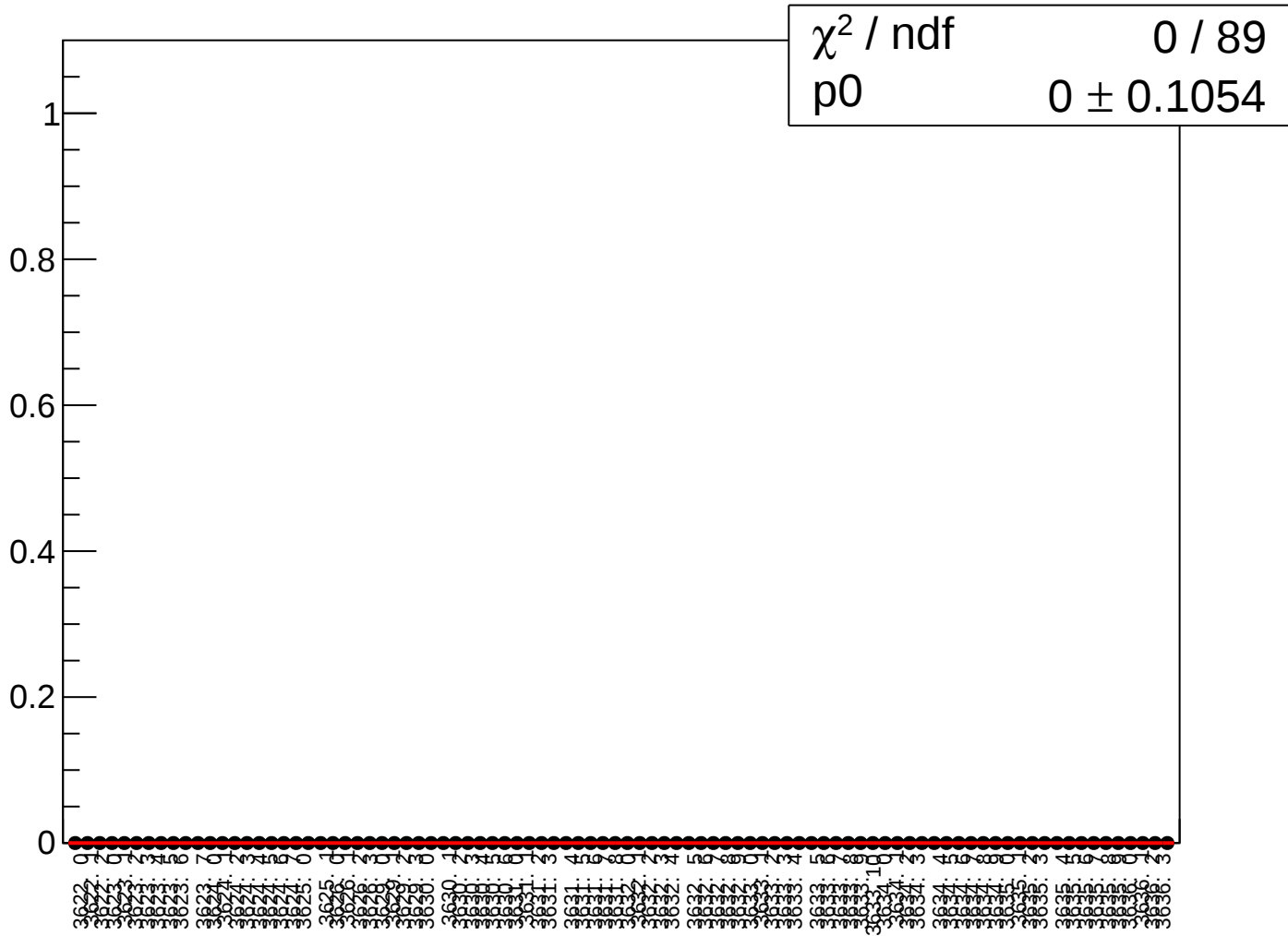
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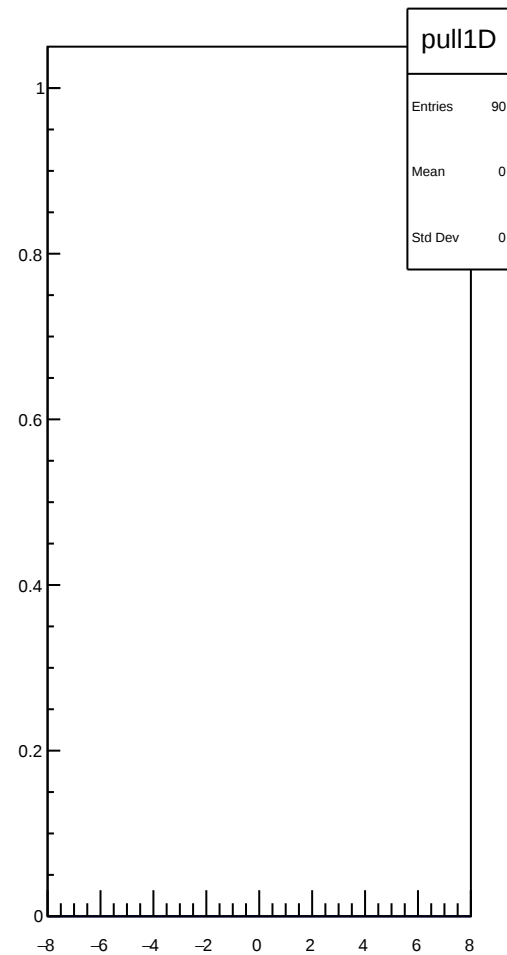
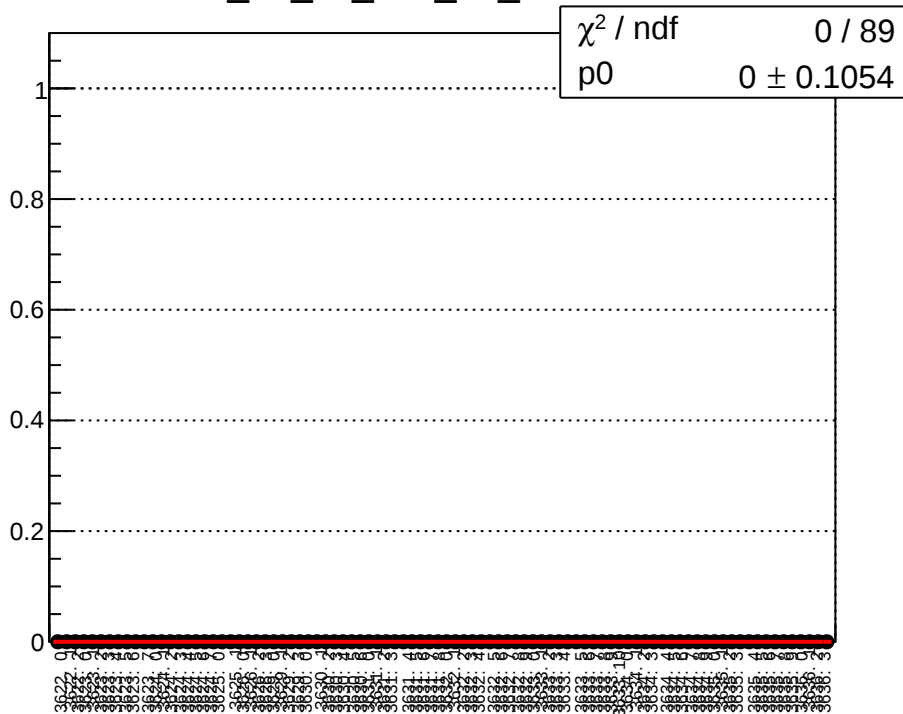
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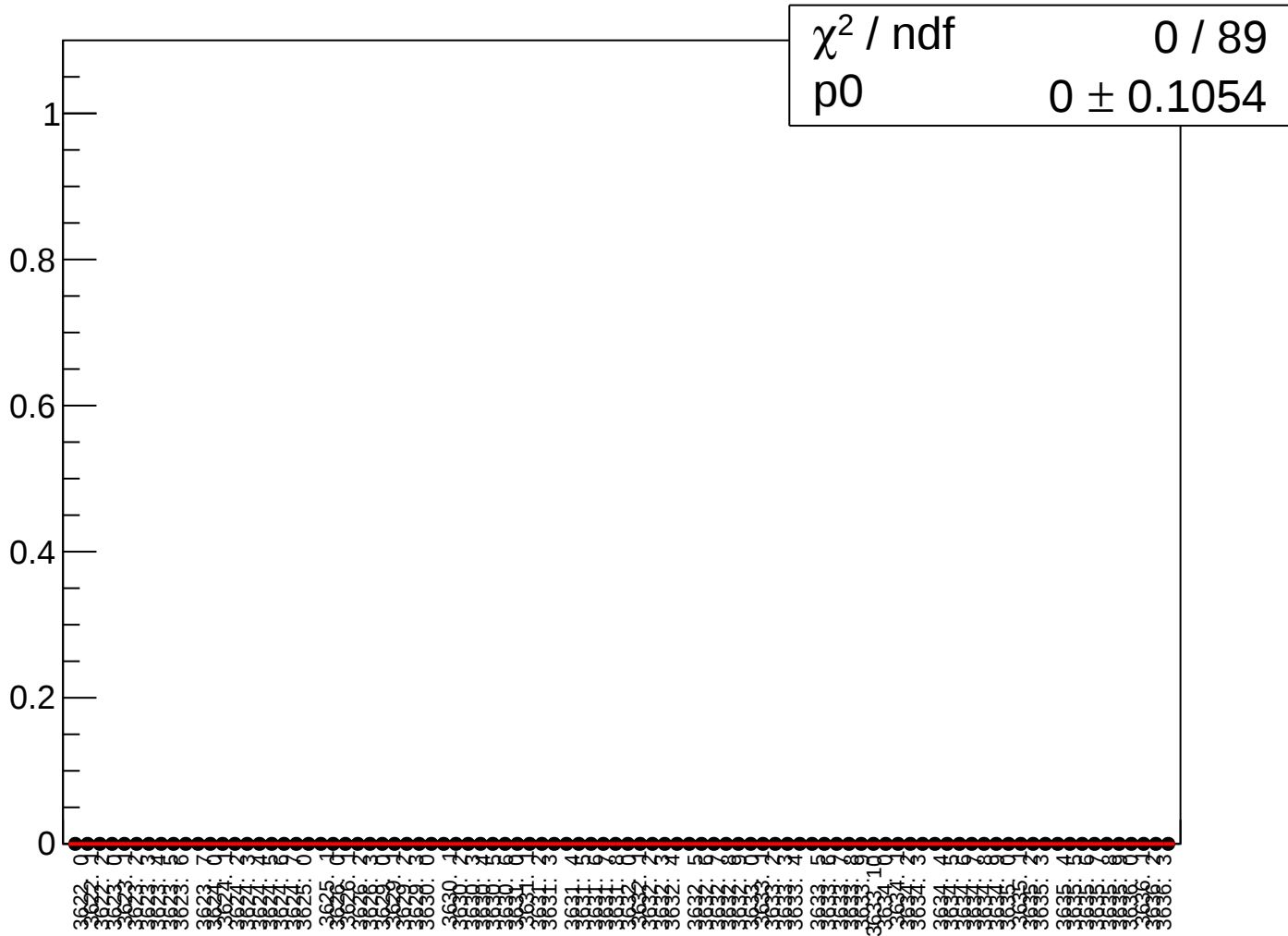
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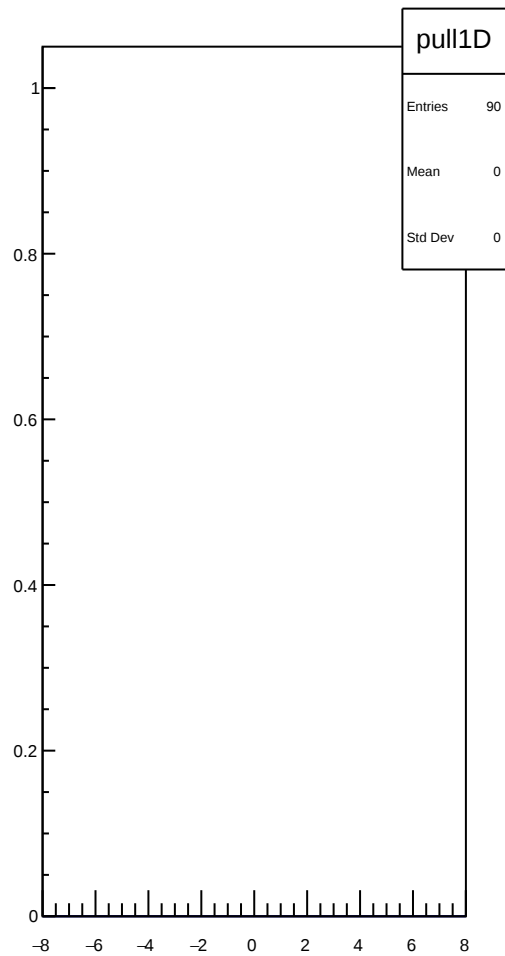
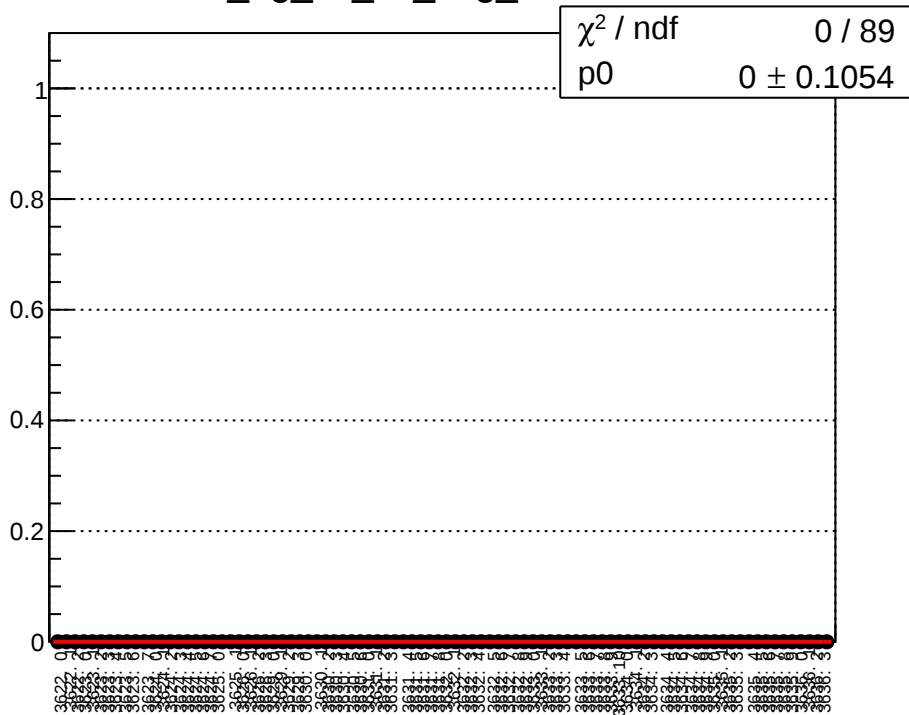
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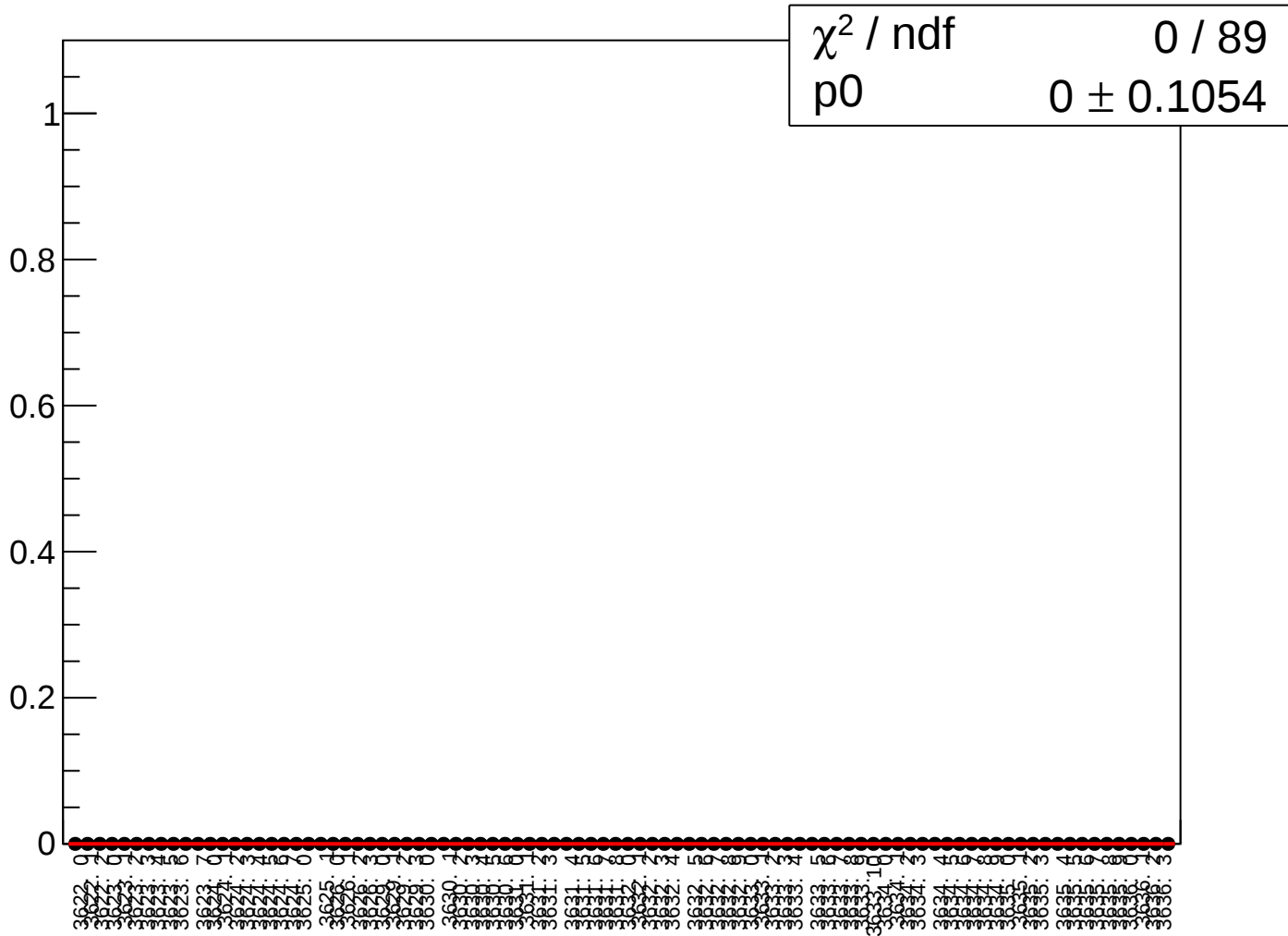
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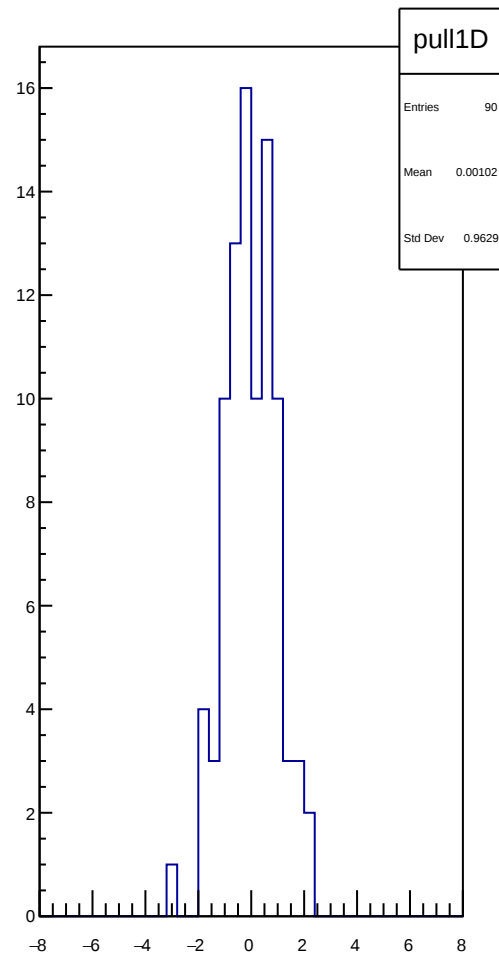
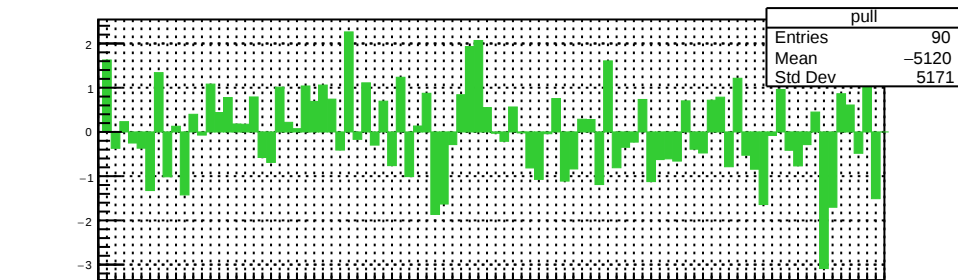
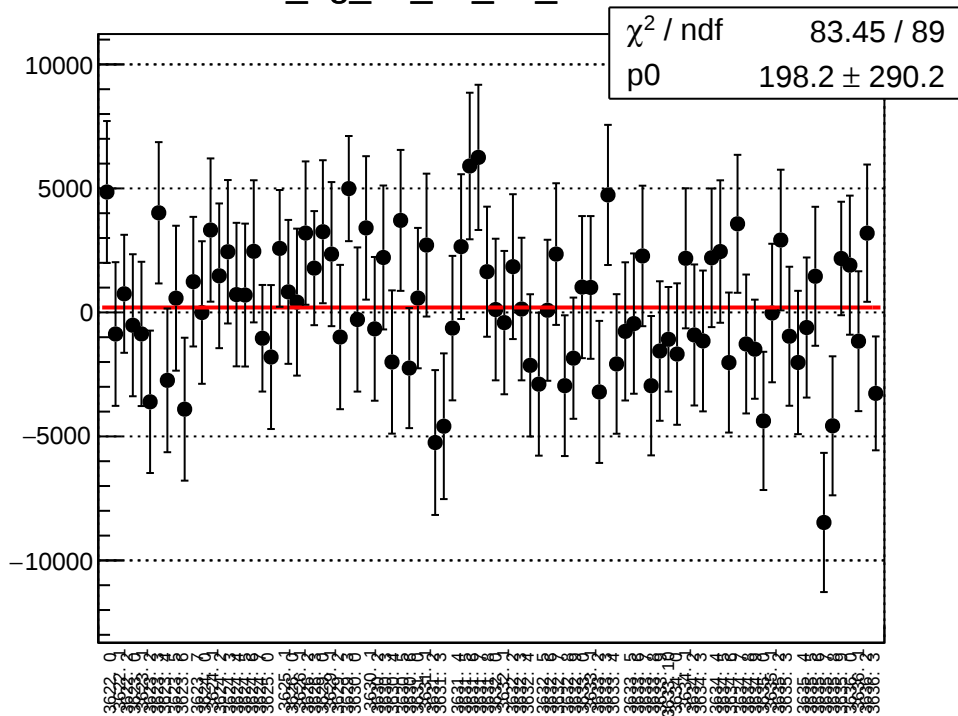
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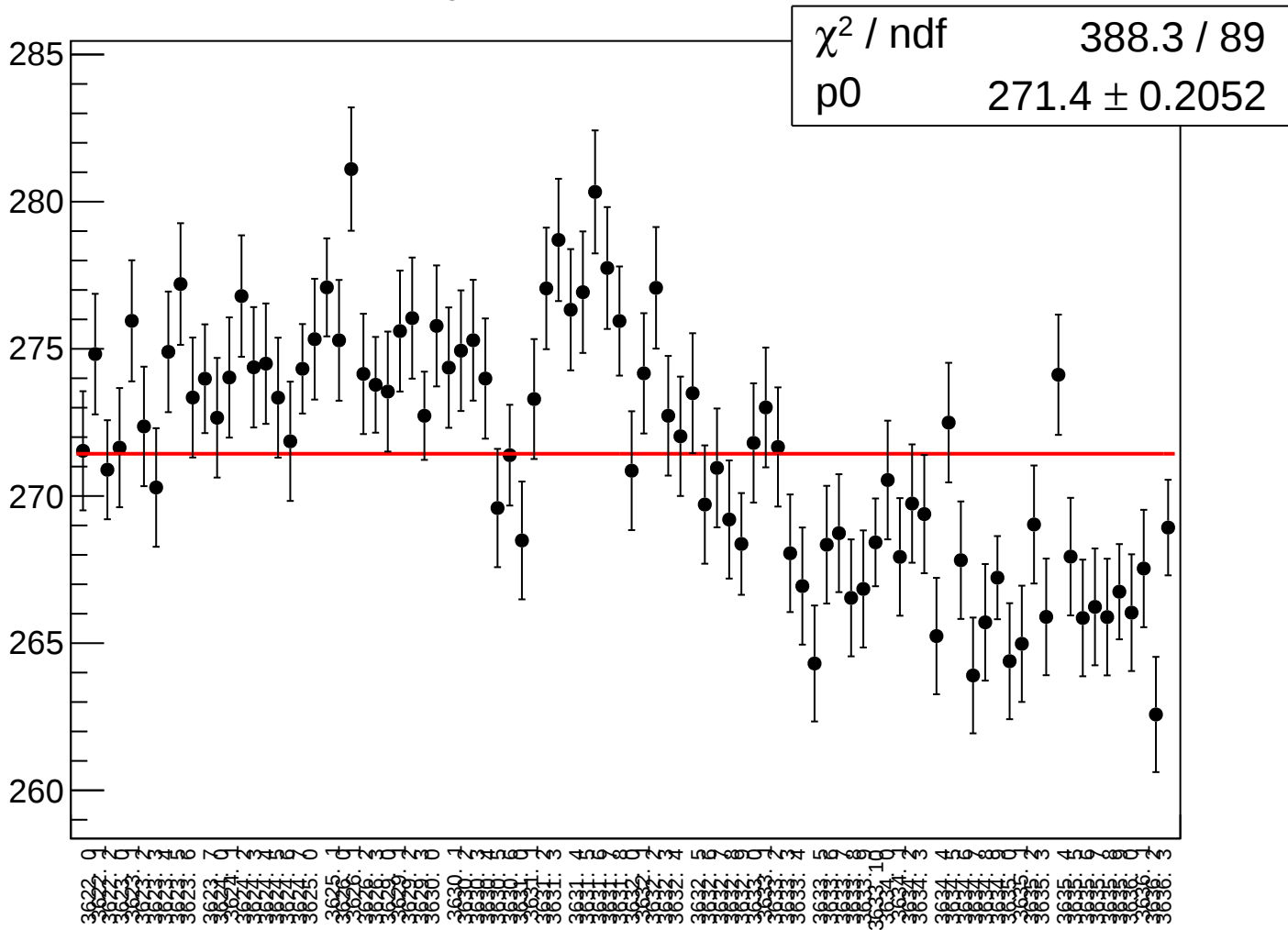
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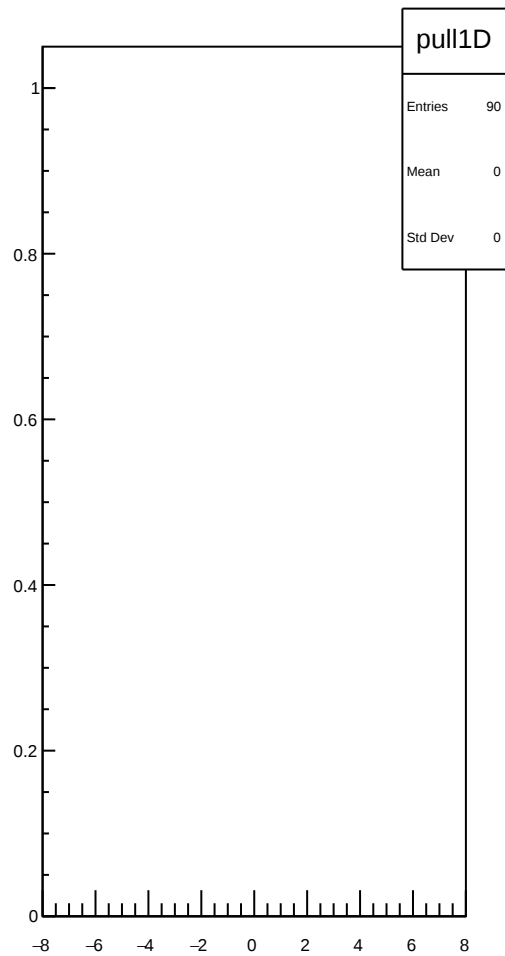
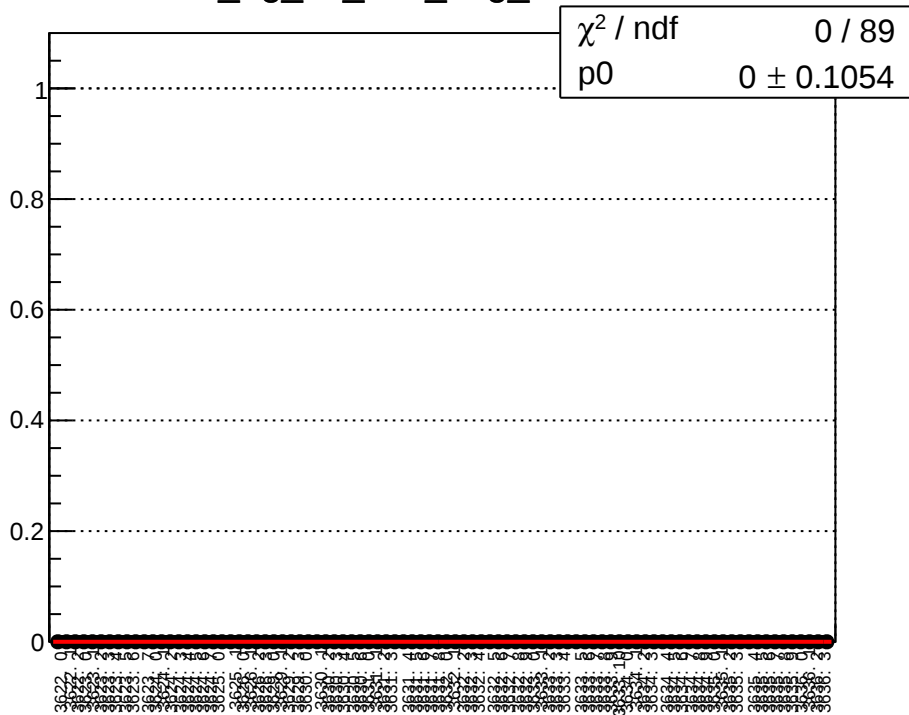
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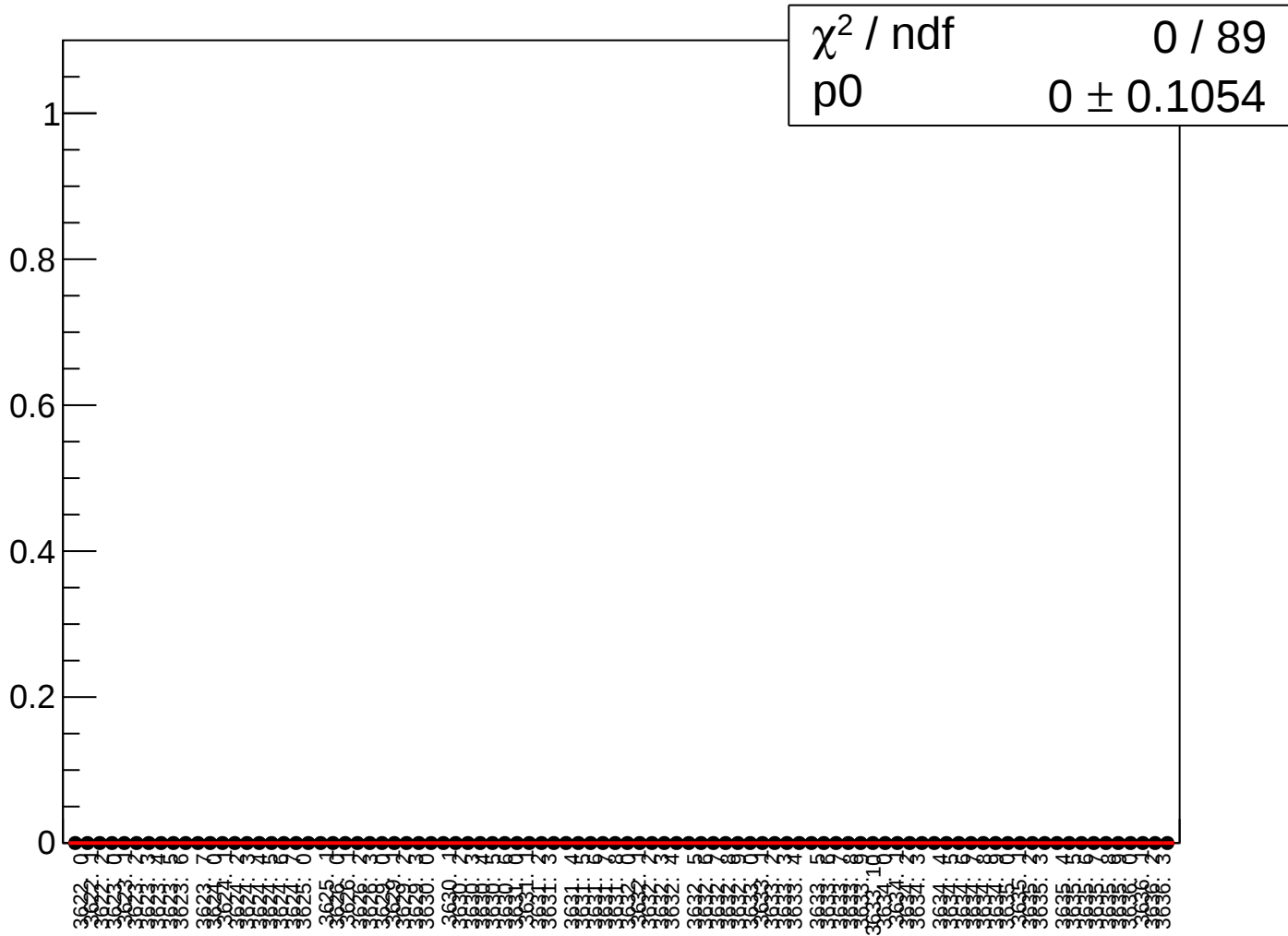
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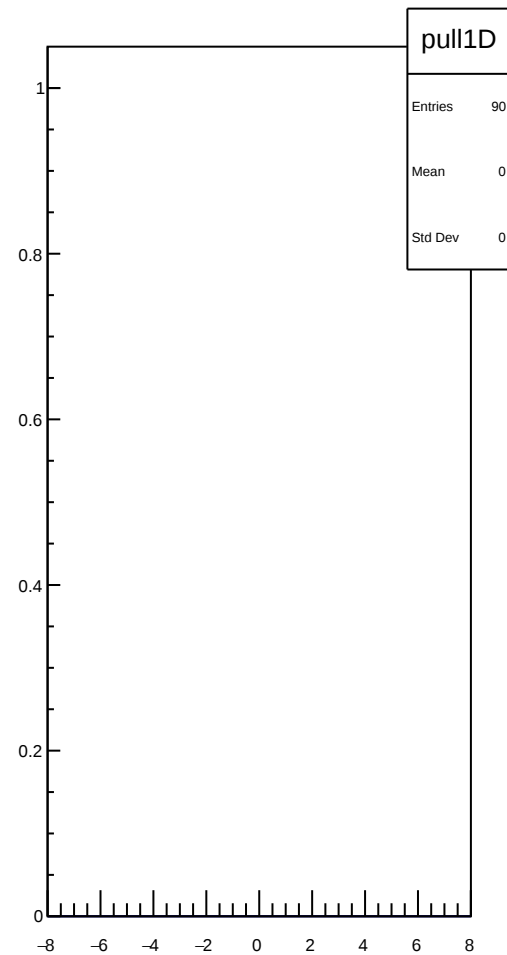
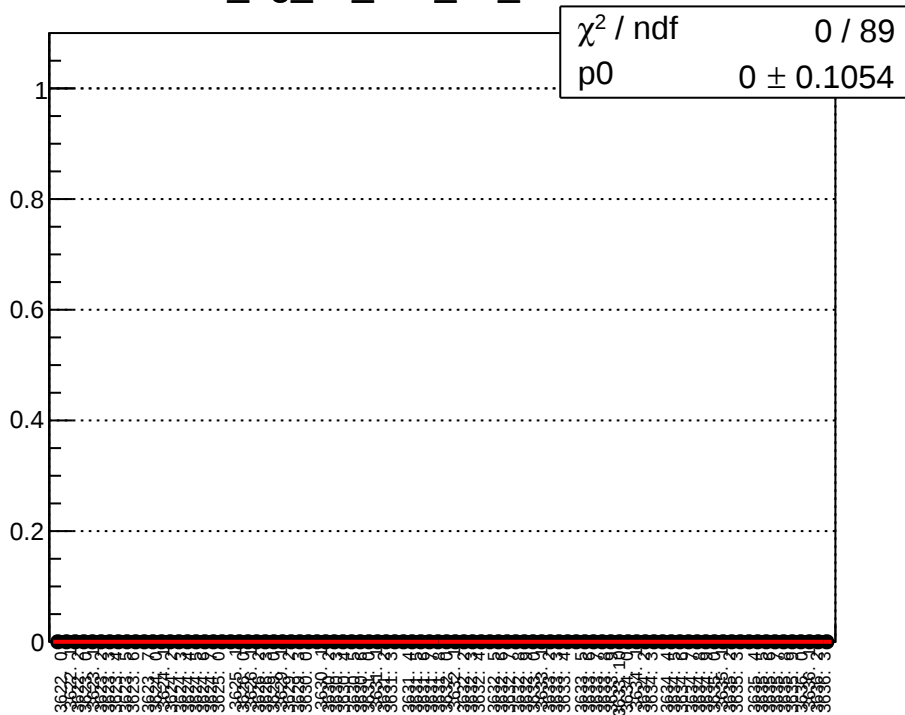
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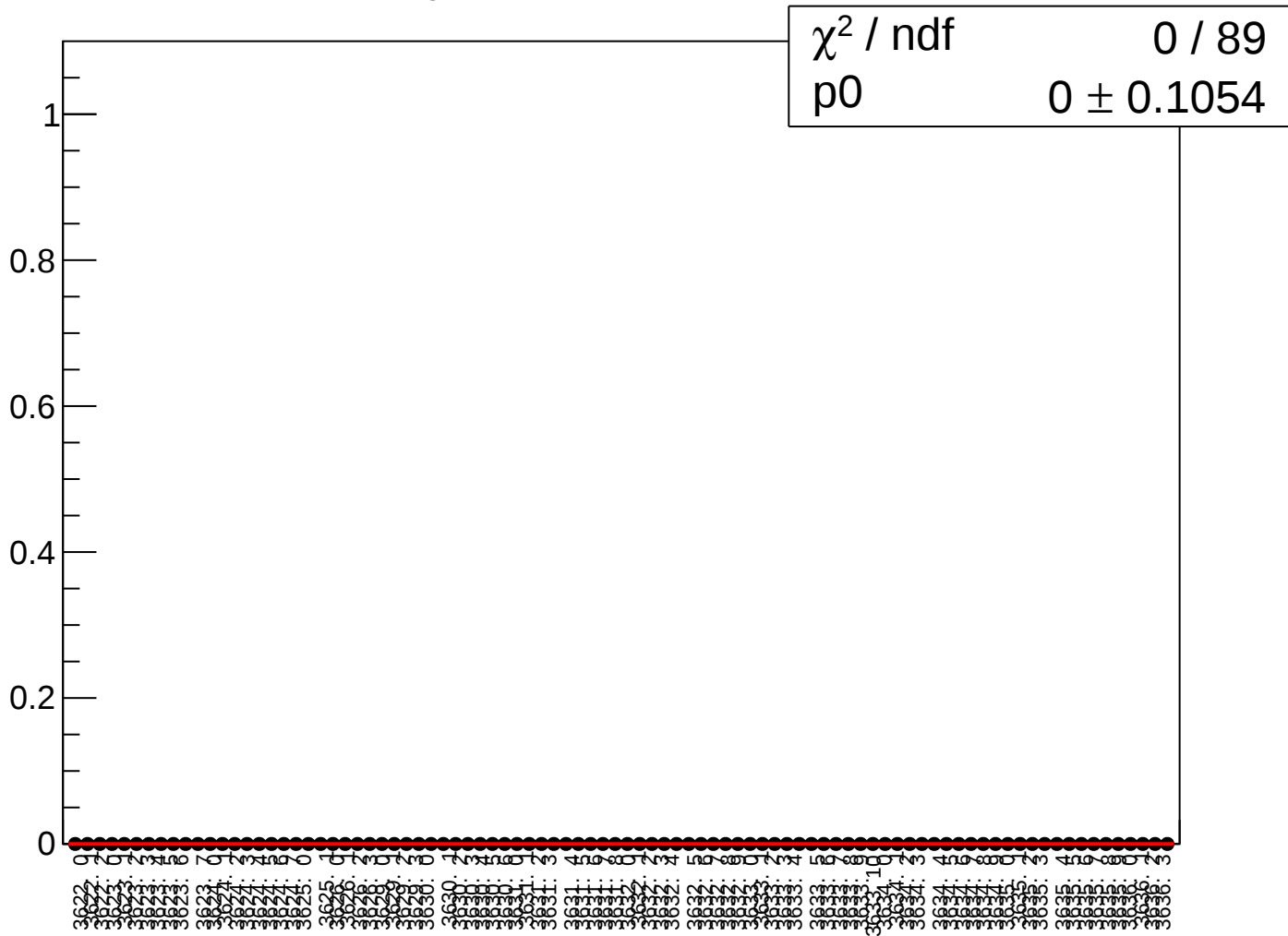
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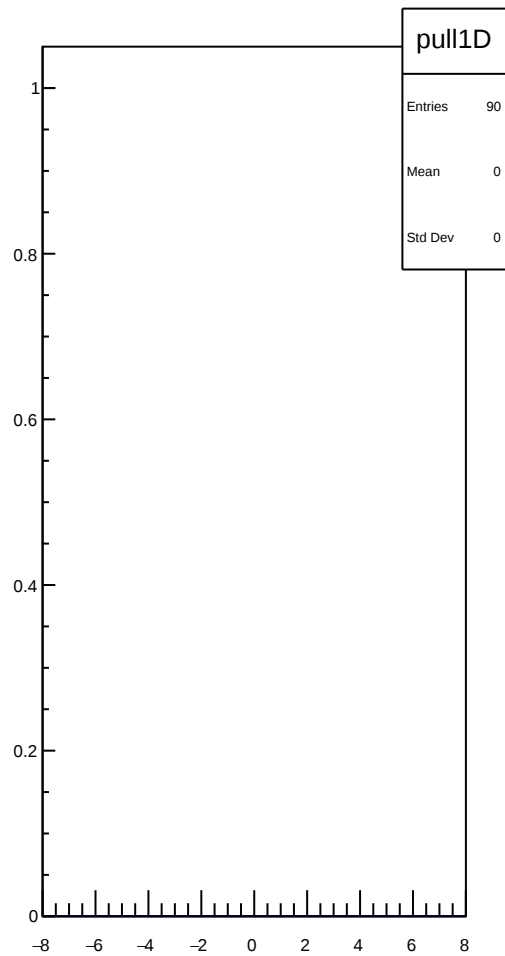
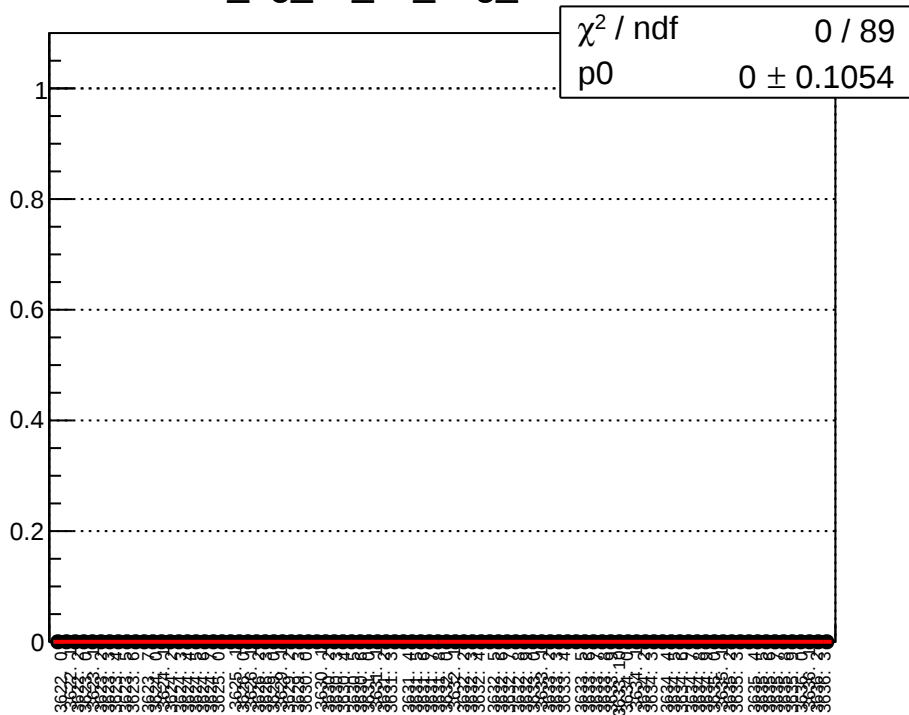
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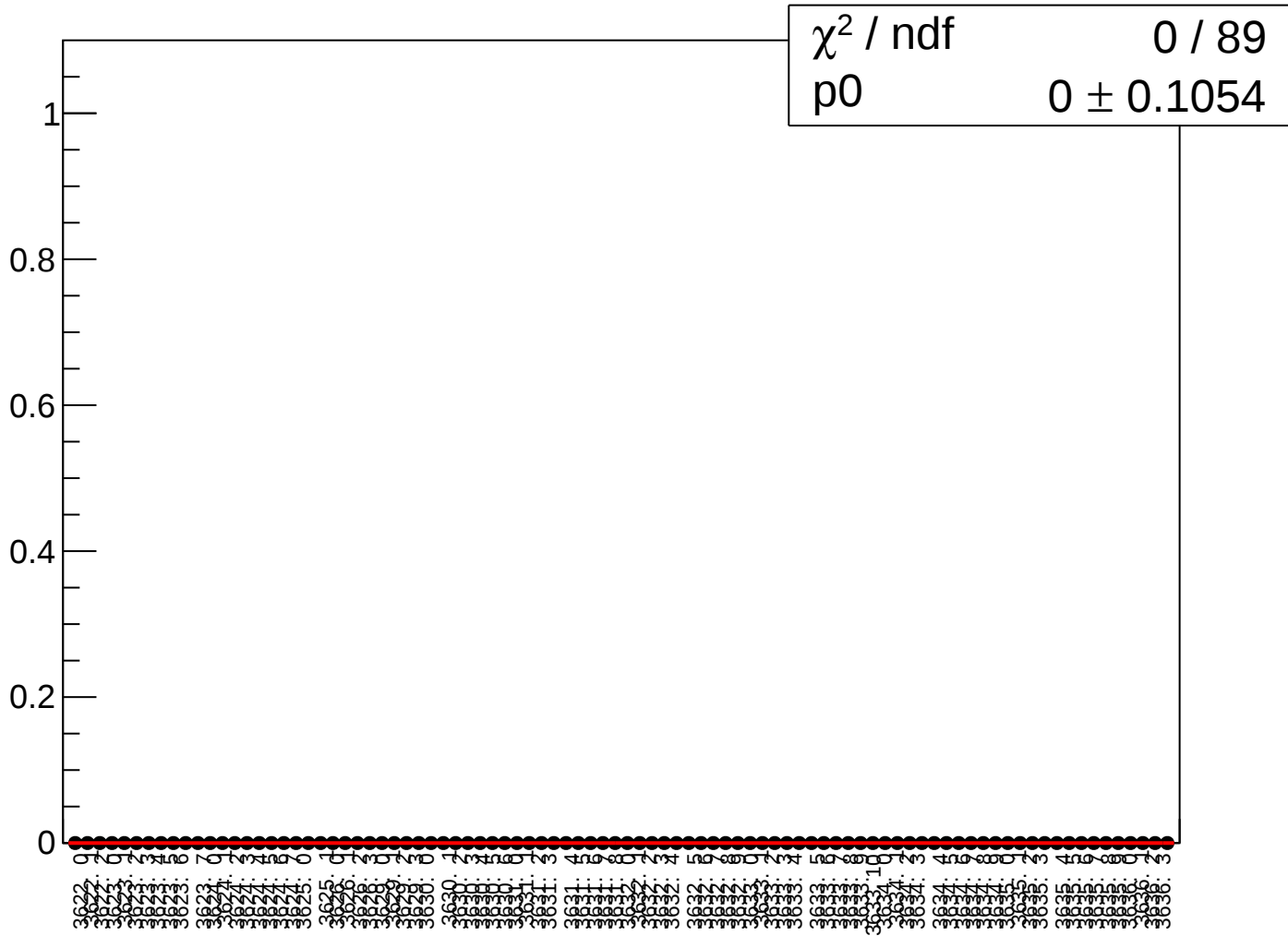
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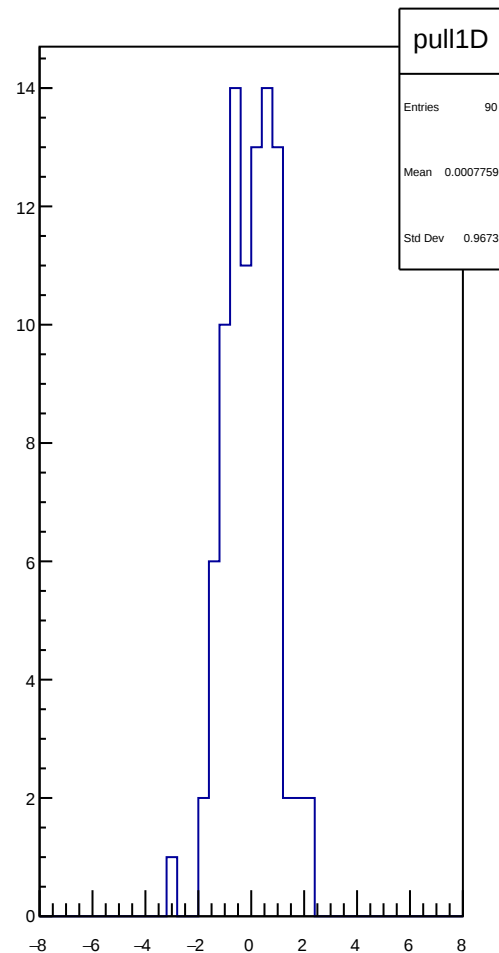
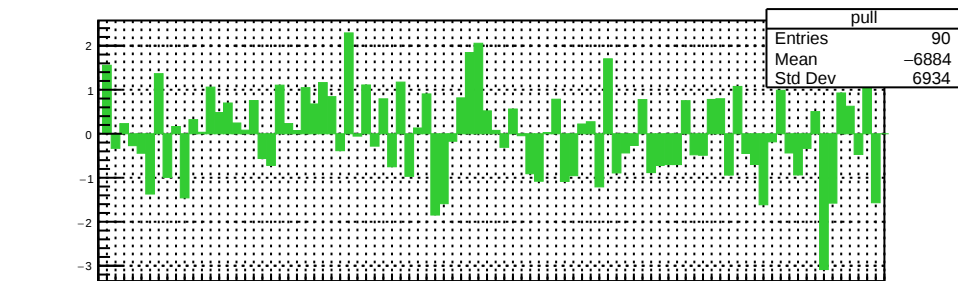
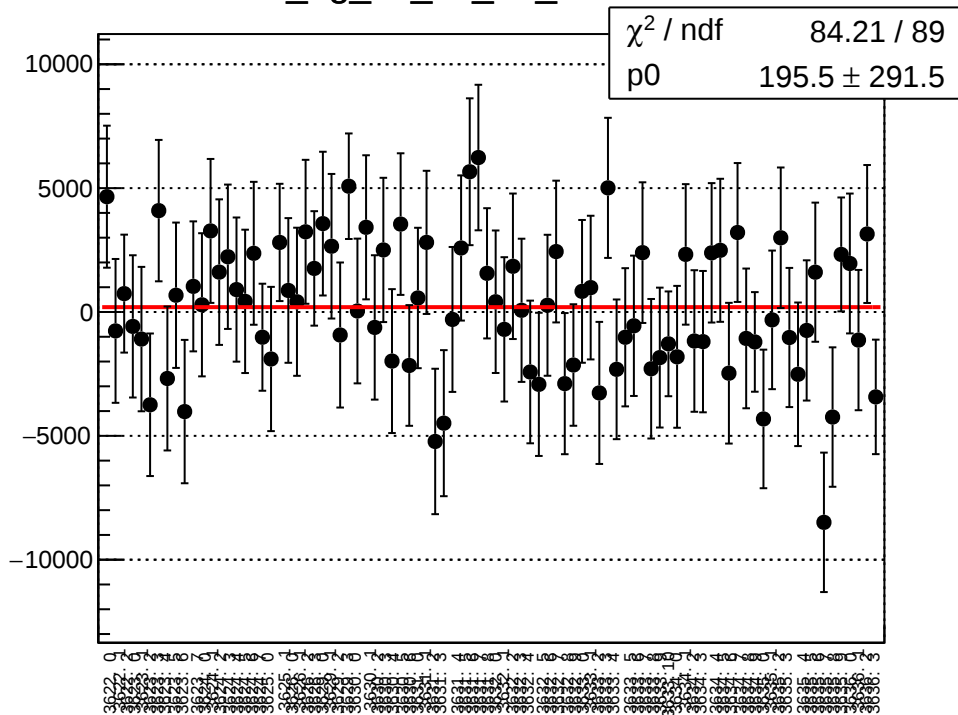
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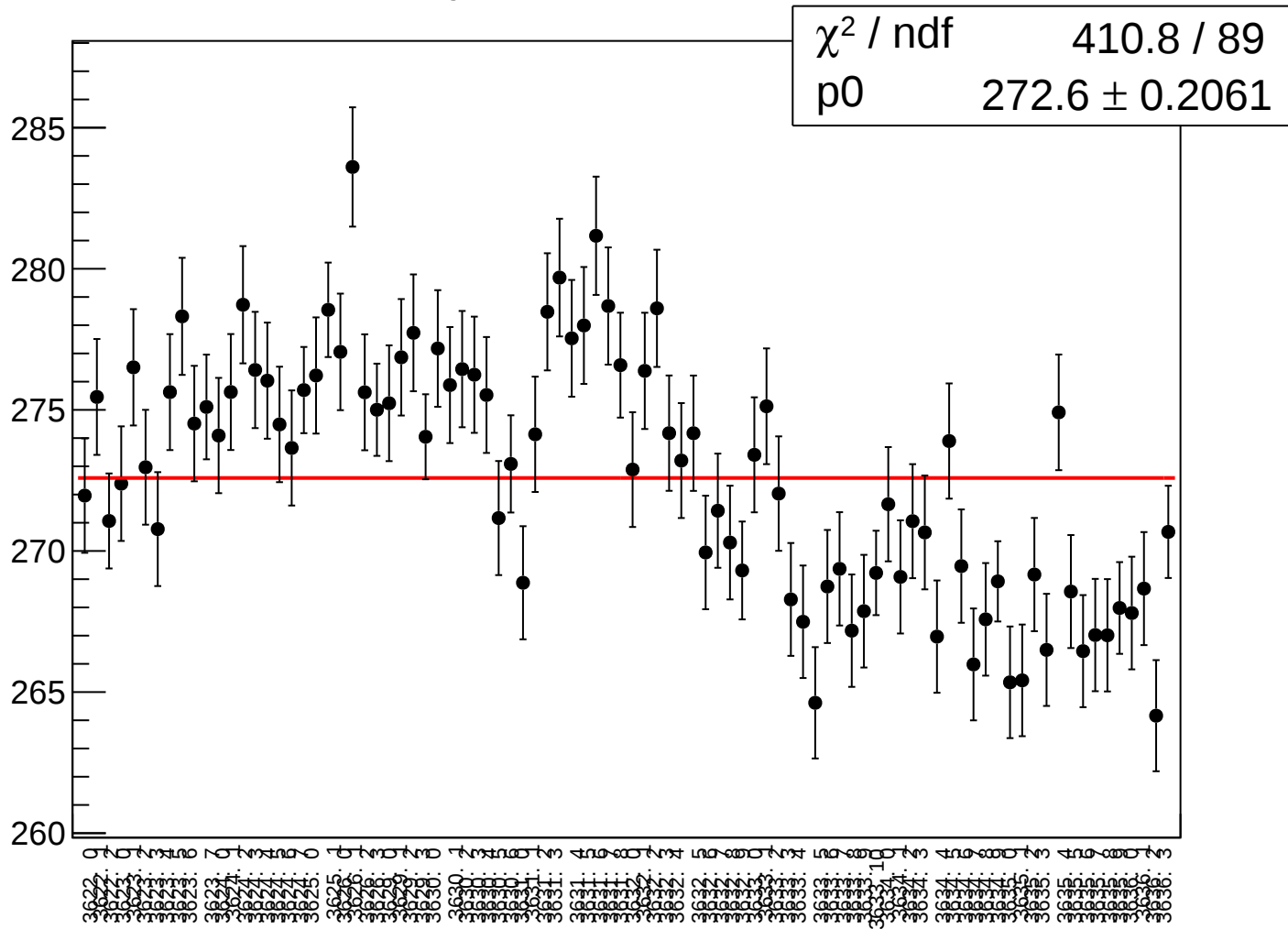
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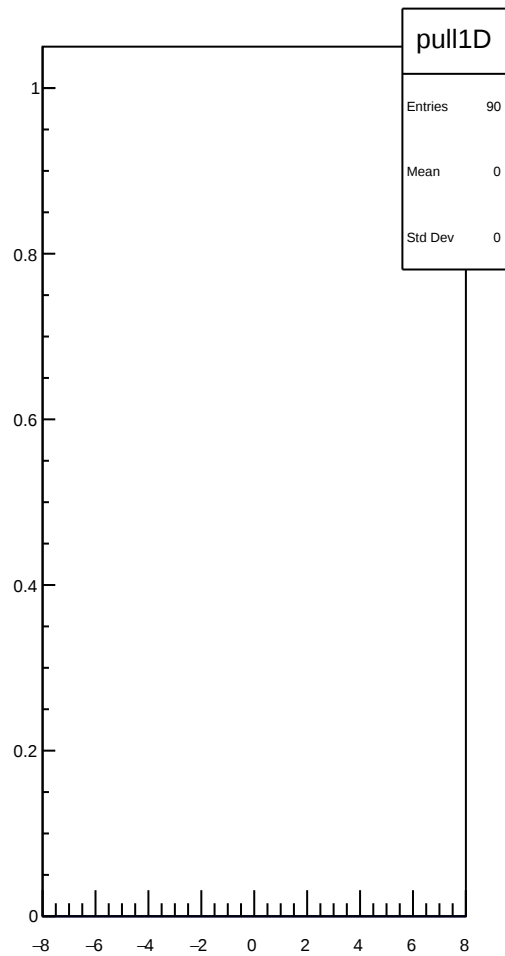
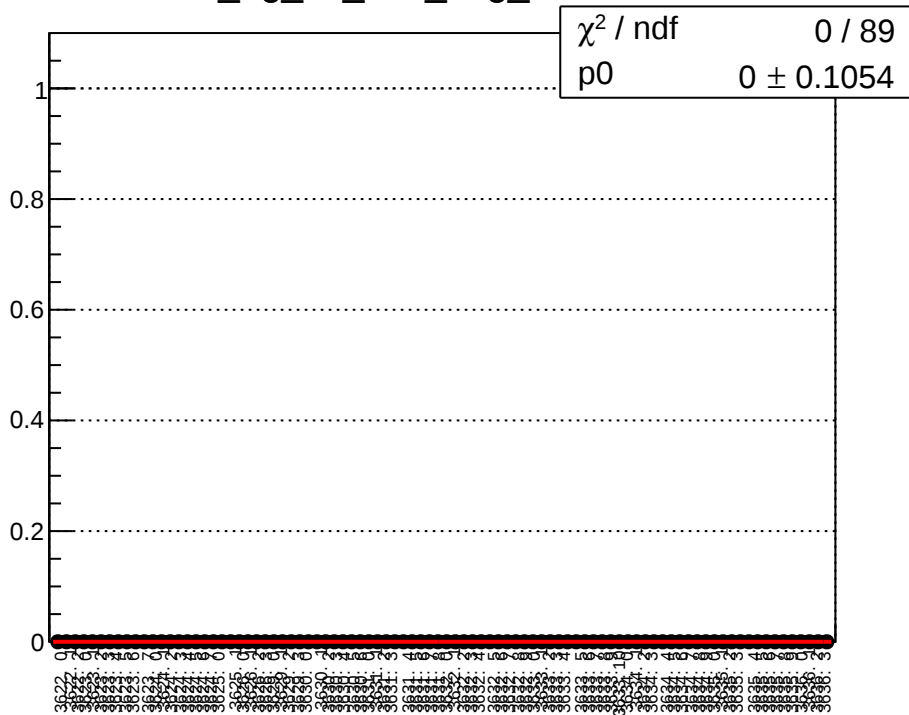
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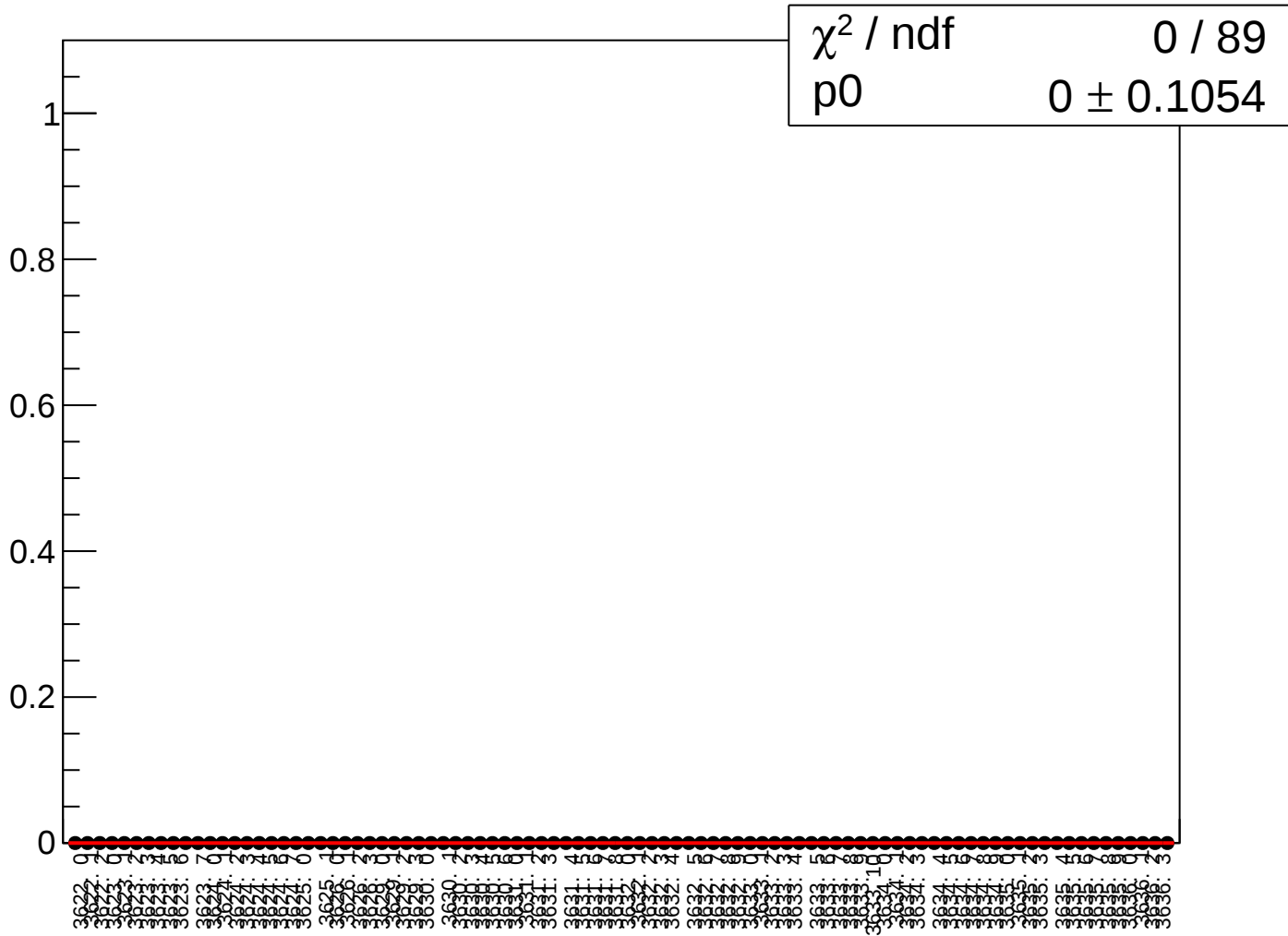
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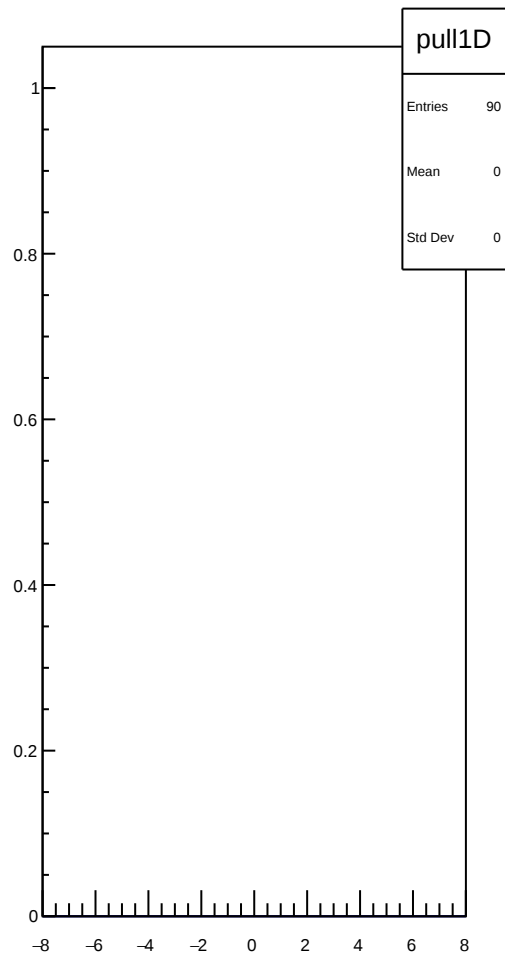
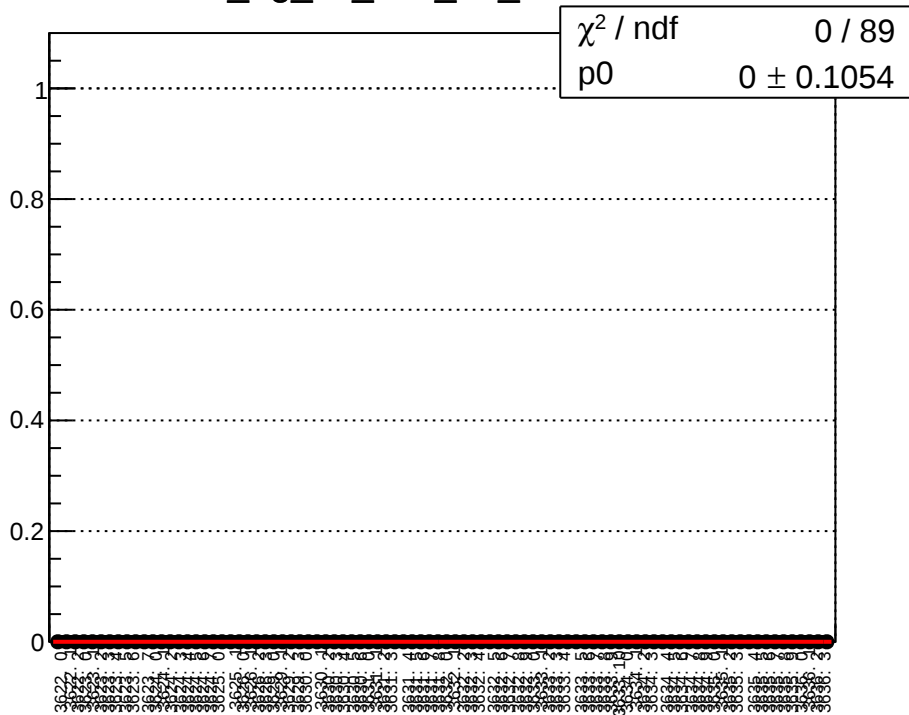
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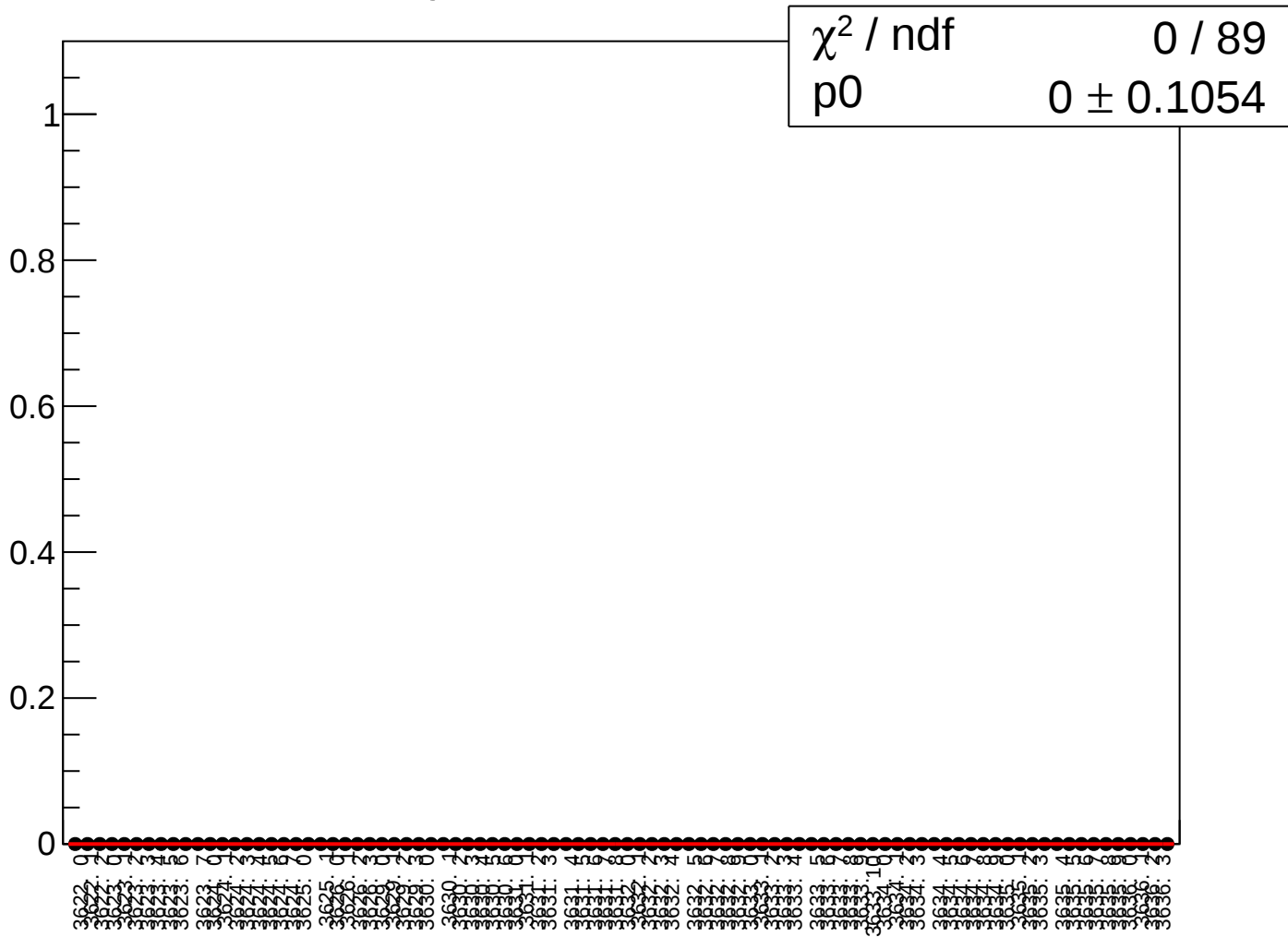
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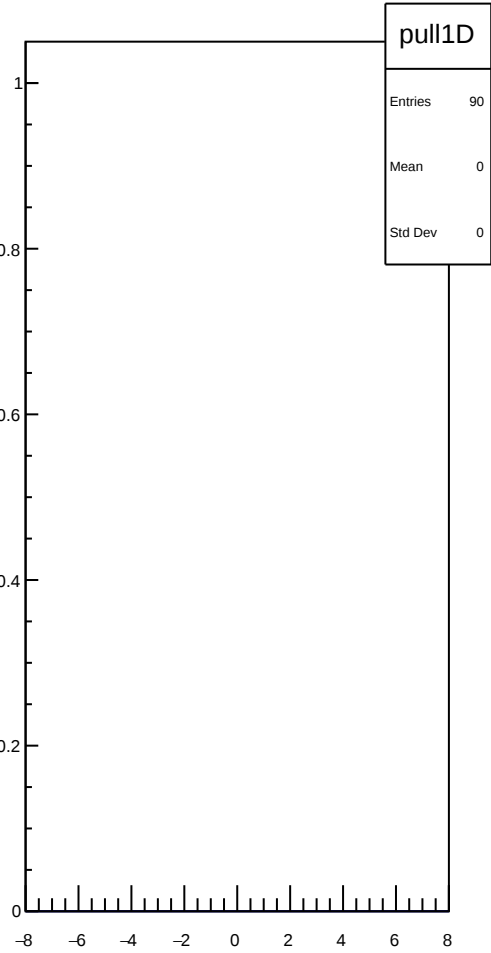
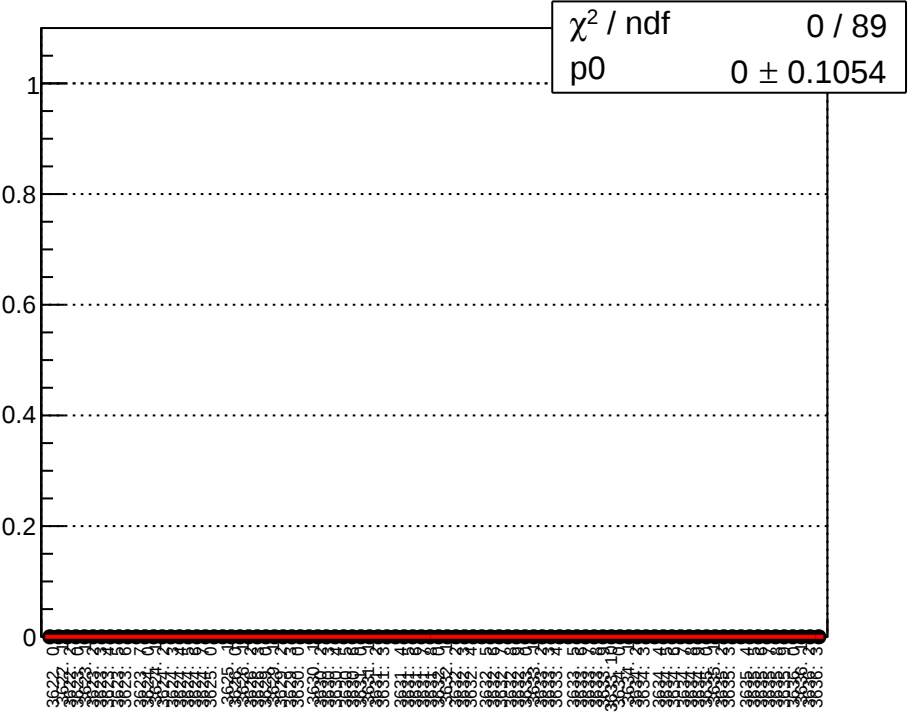
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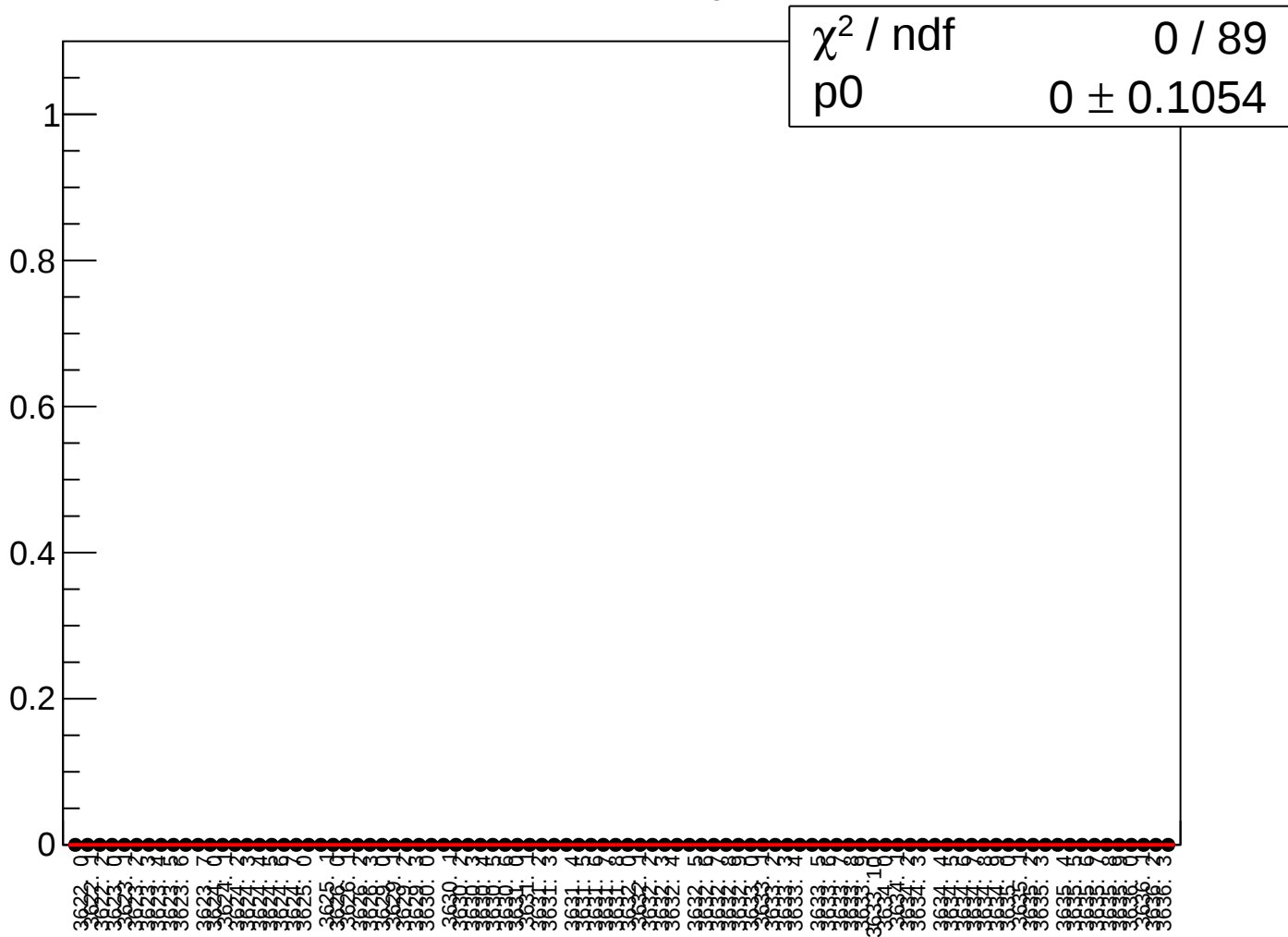
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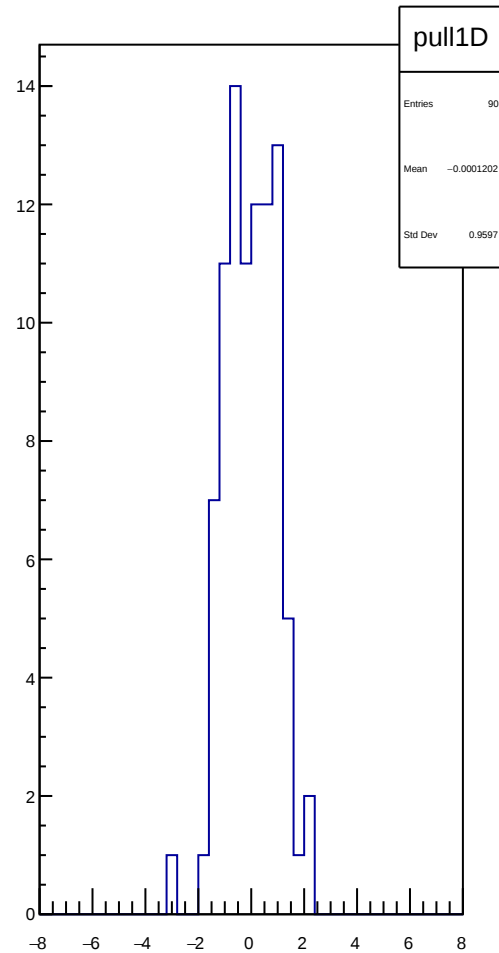
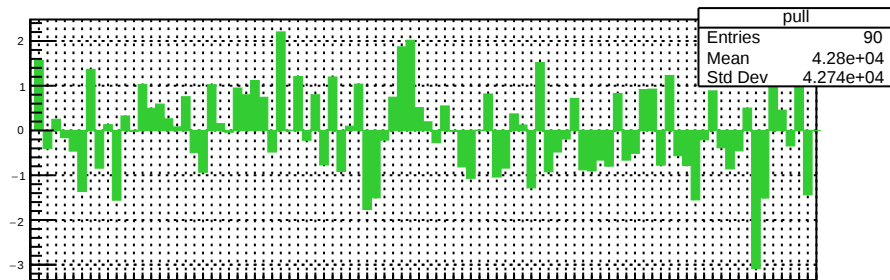
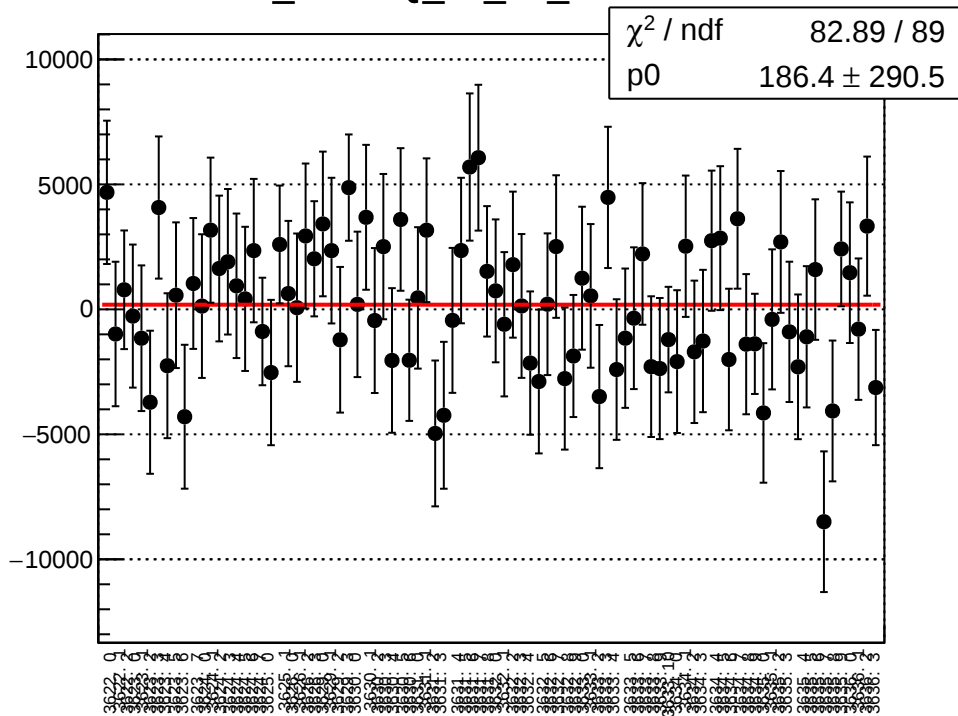
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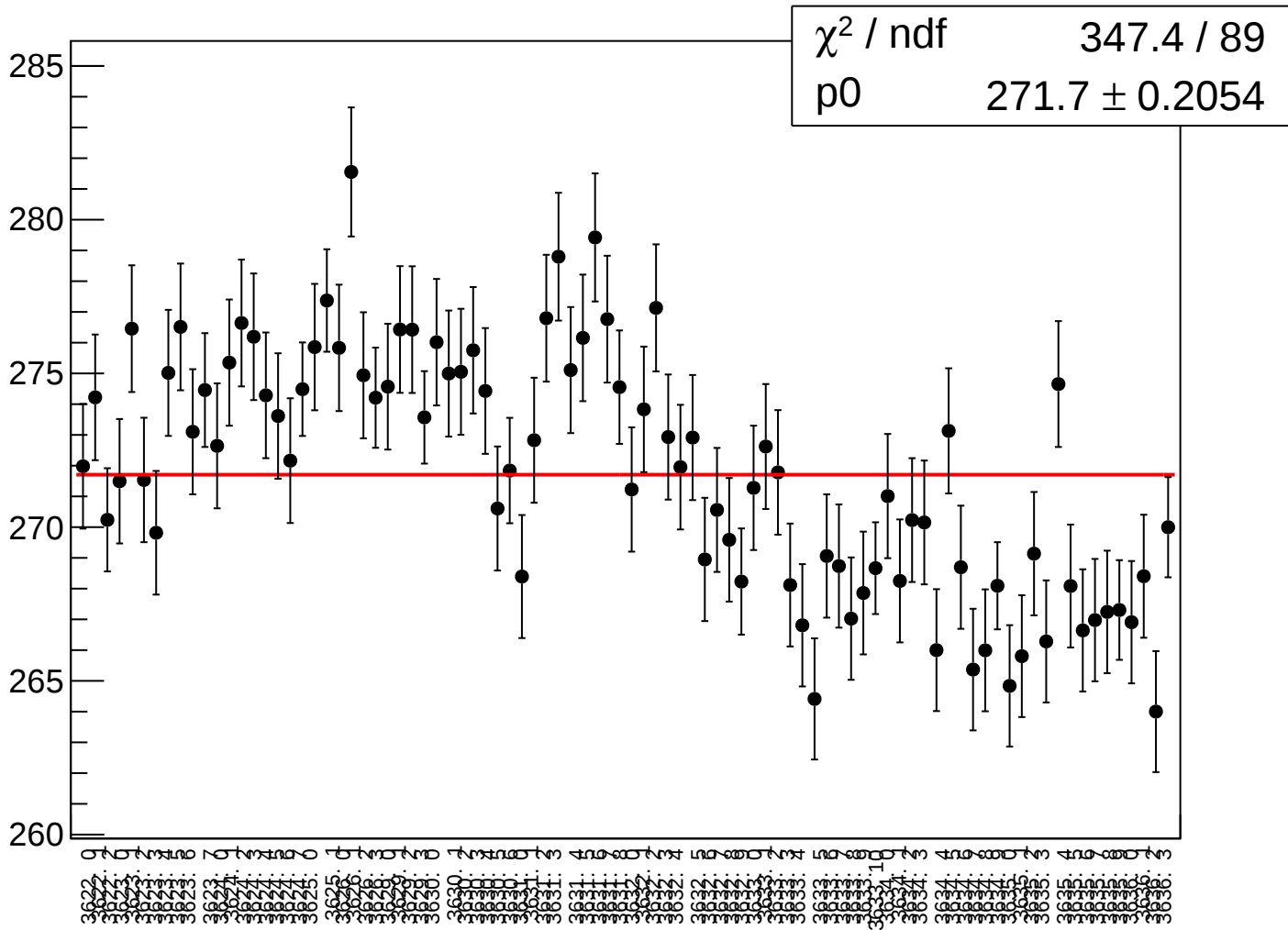
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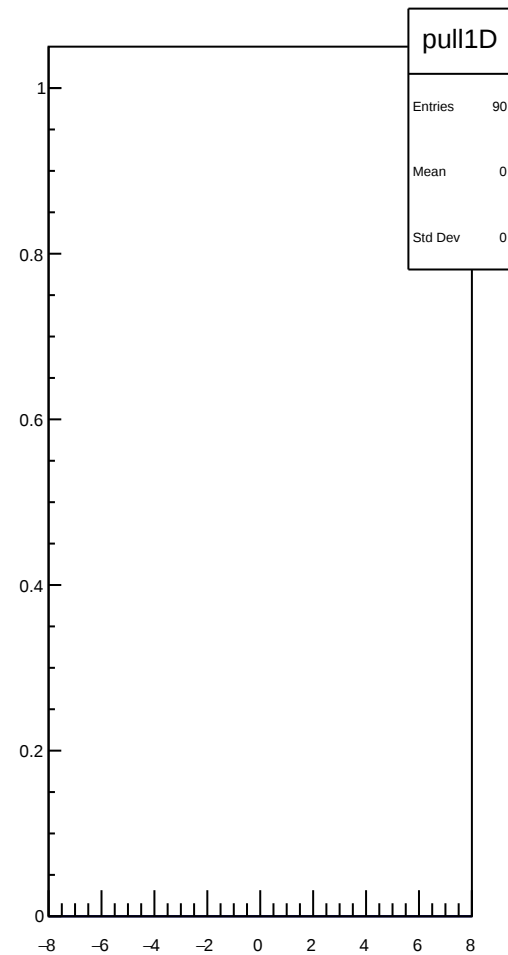
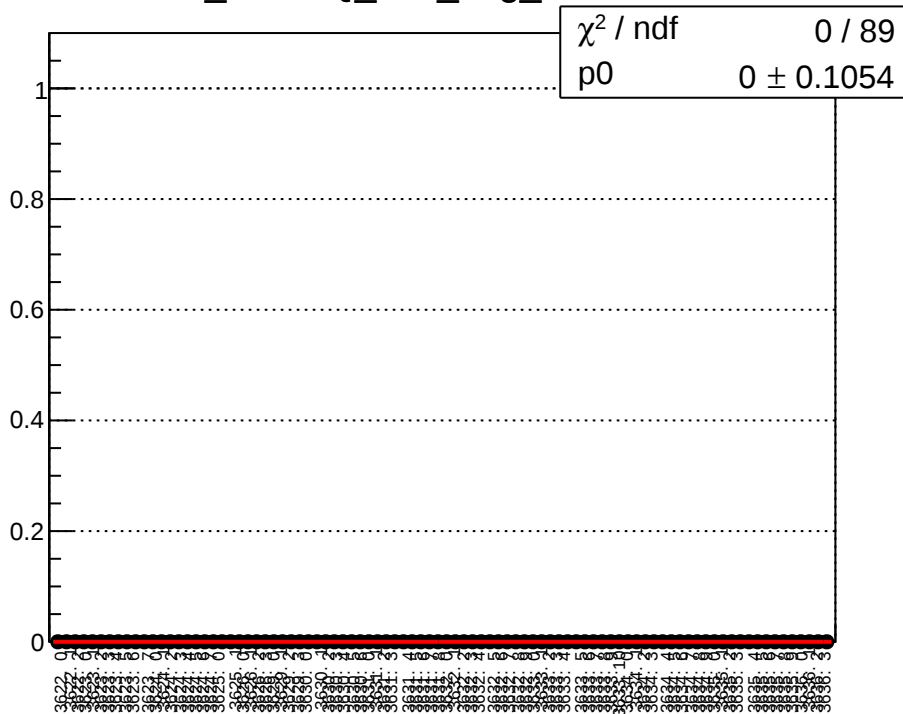
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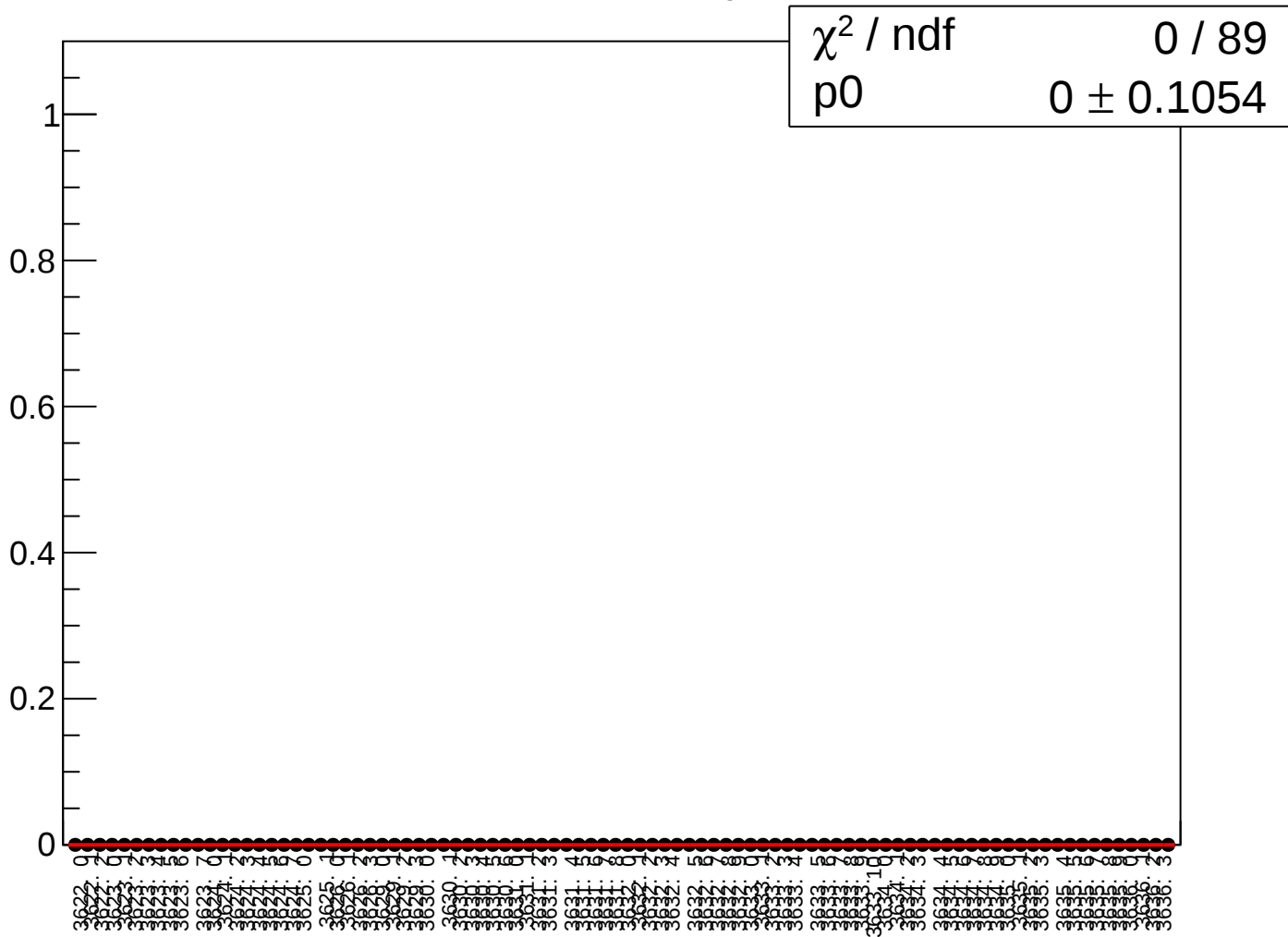
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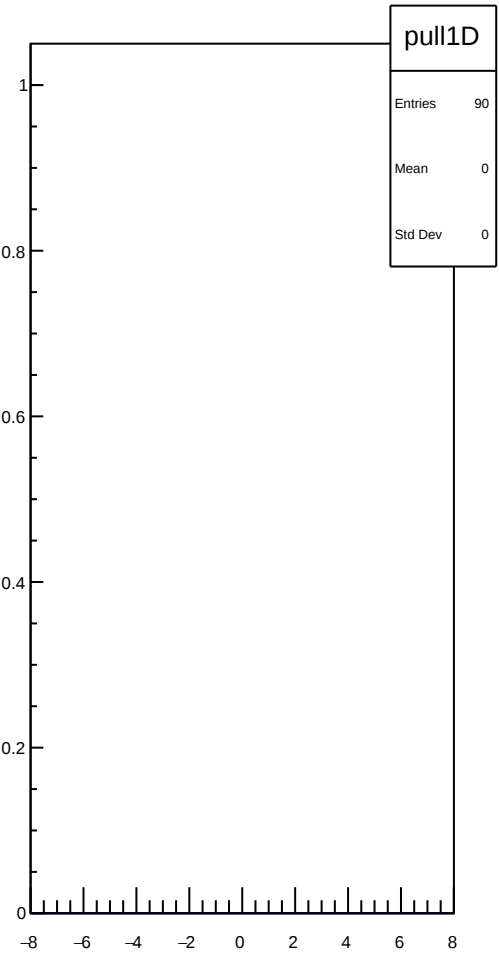
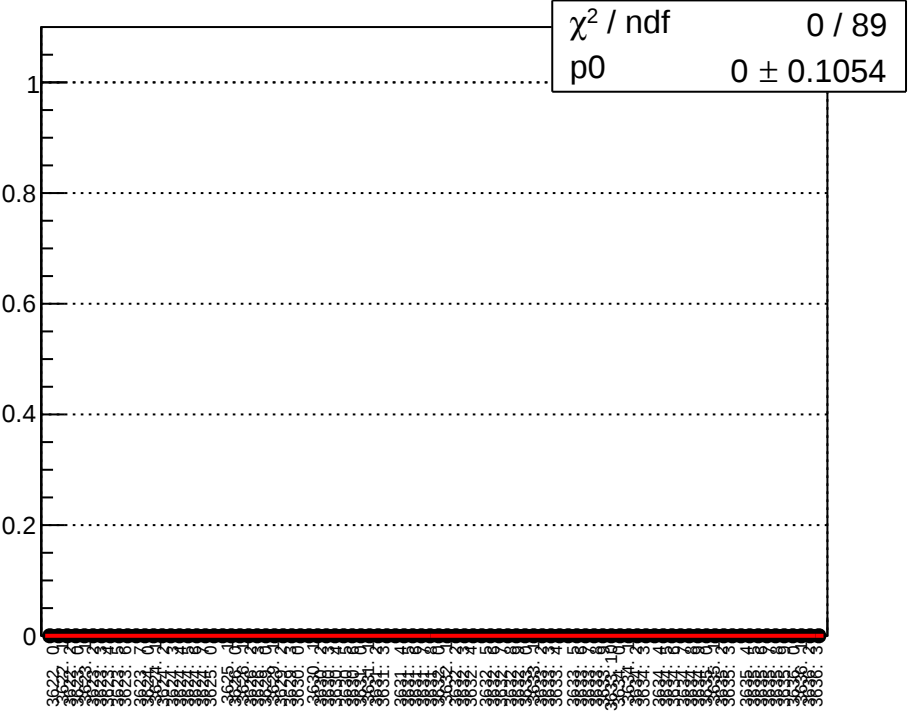
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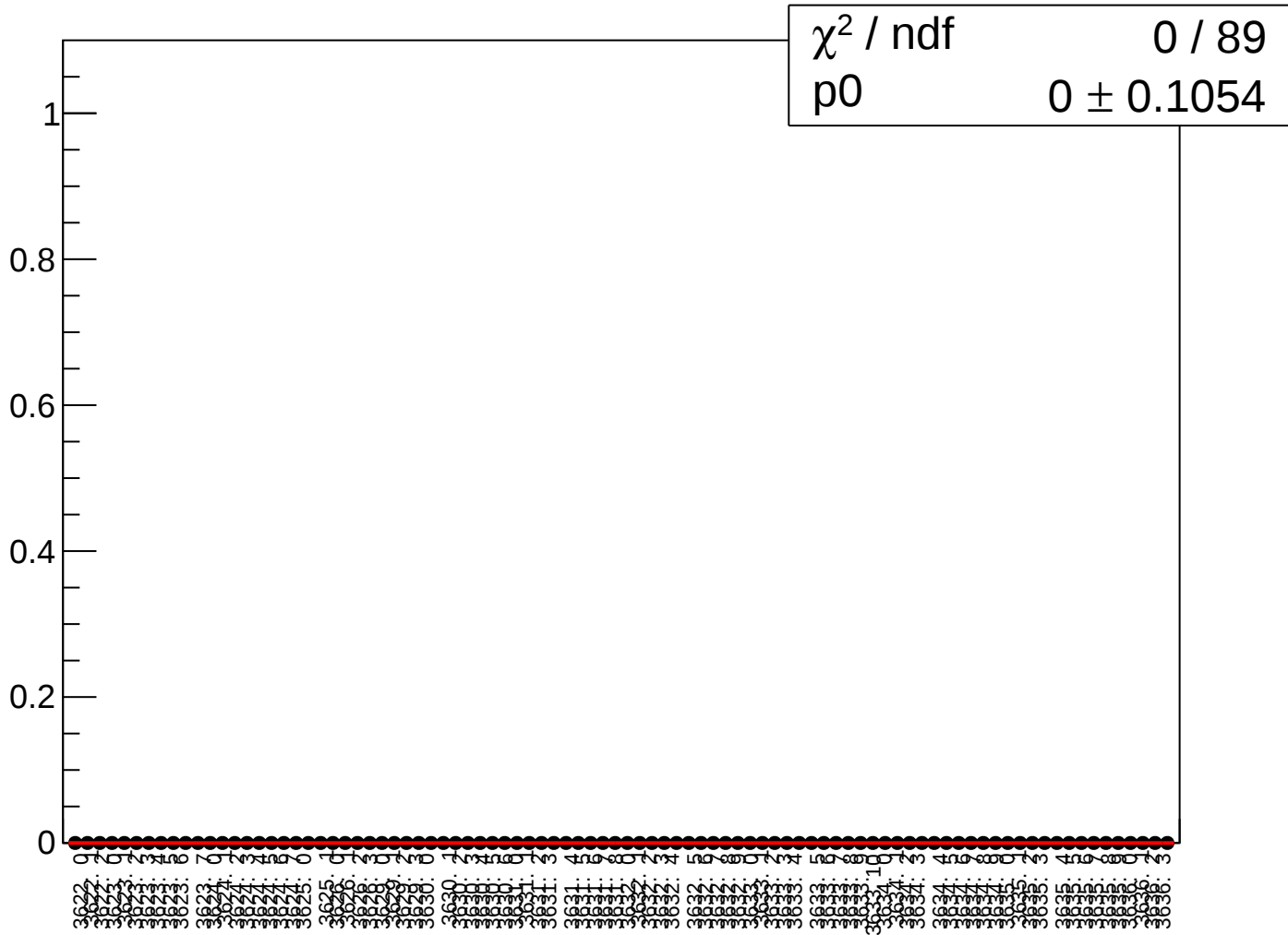
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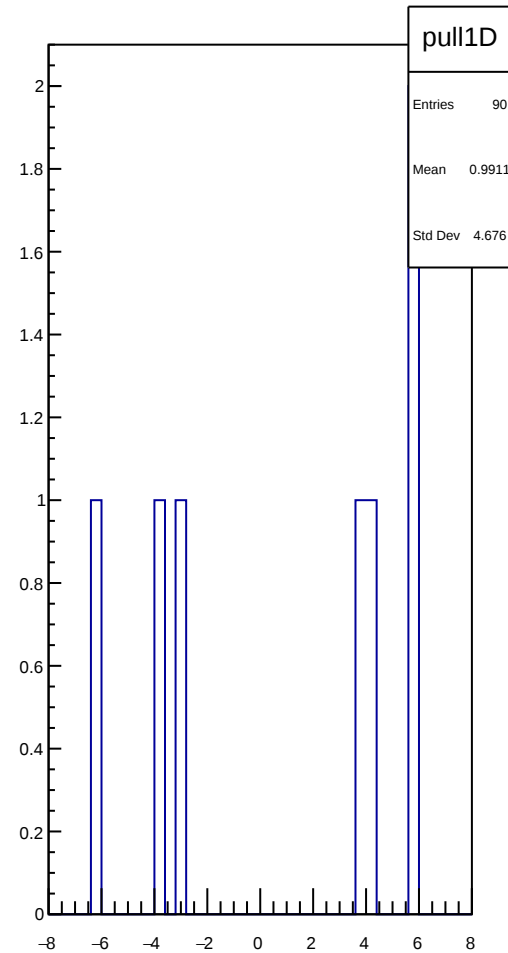
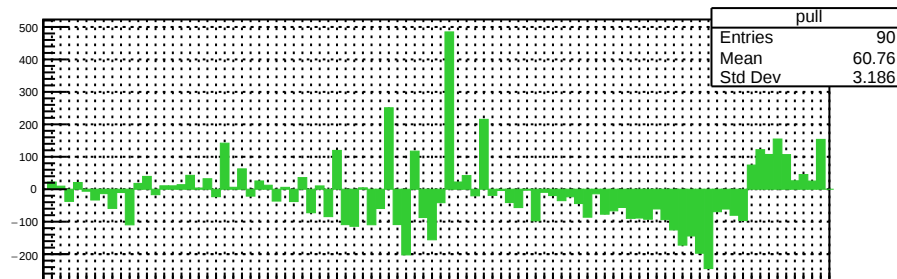
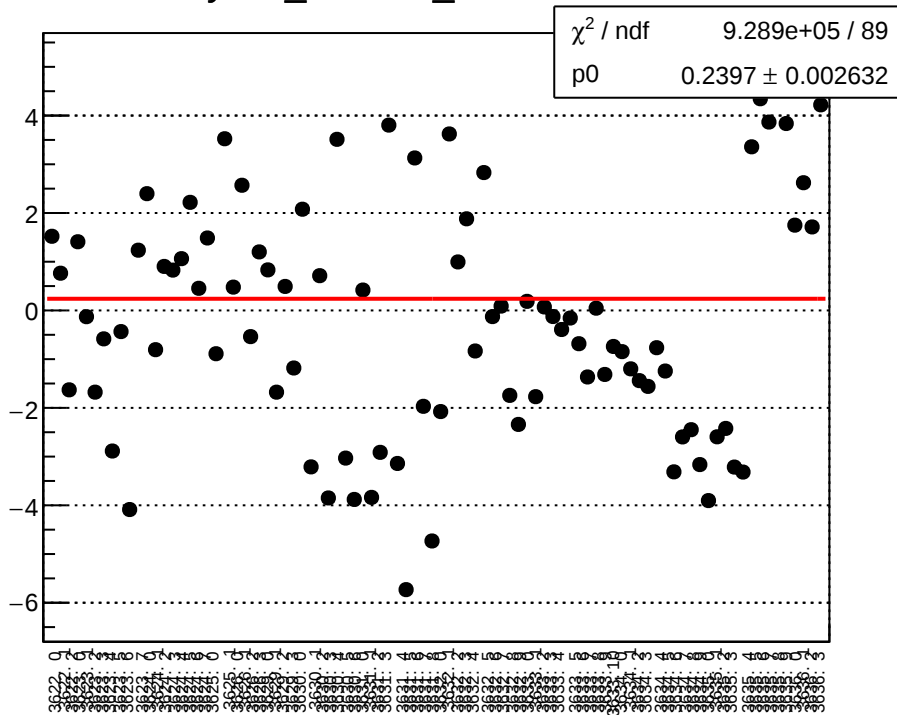
bcm_cav4cQ_ds3_dd_mean vs run



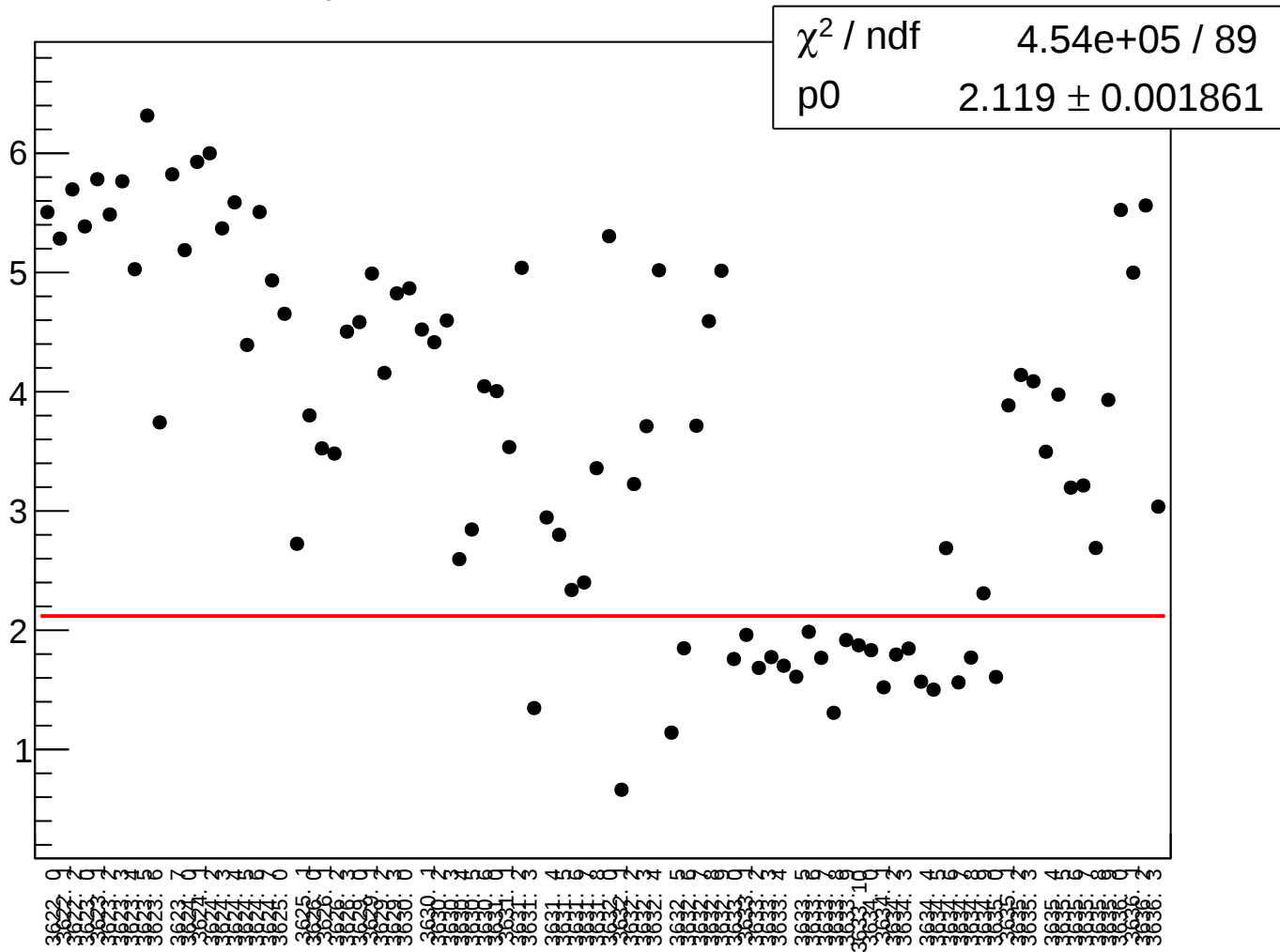
bcm_cav4cQ_ds3_dd_rms vs run



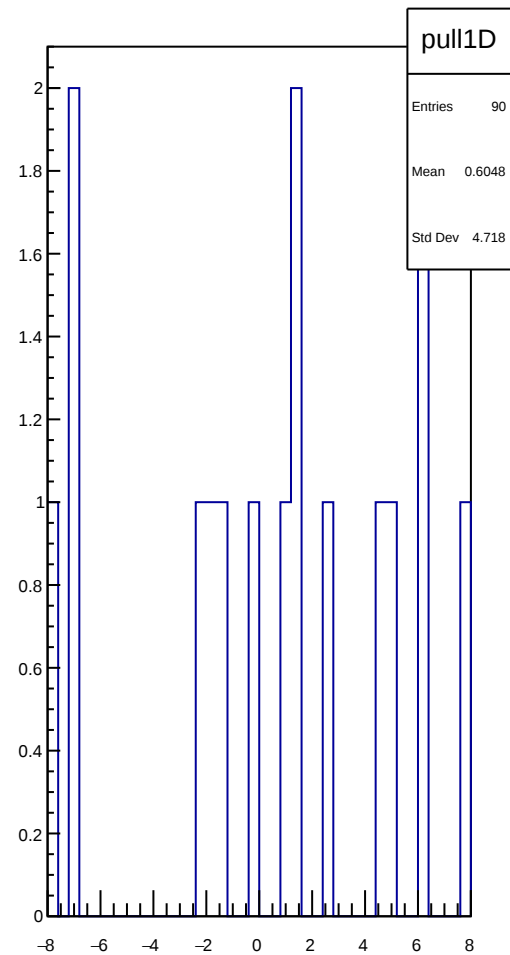
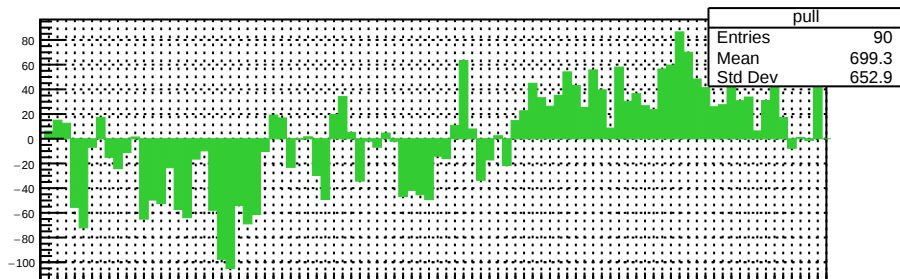
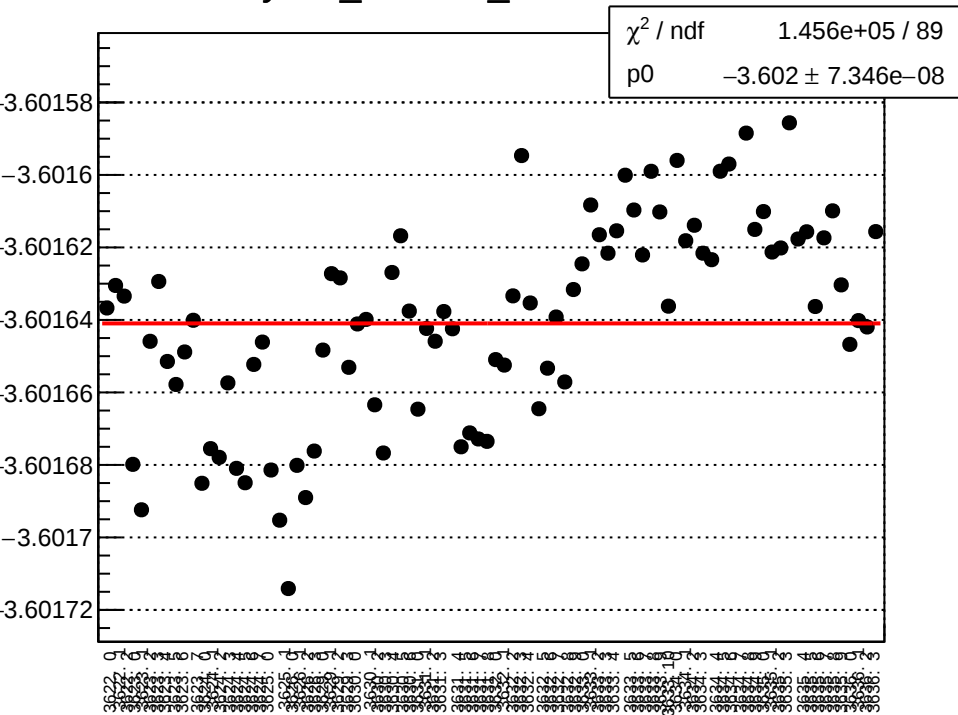
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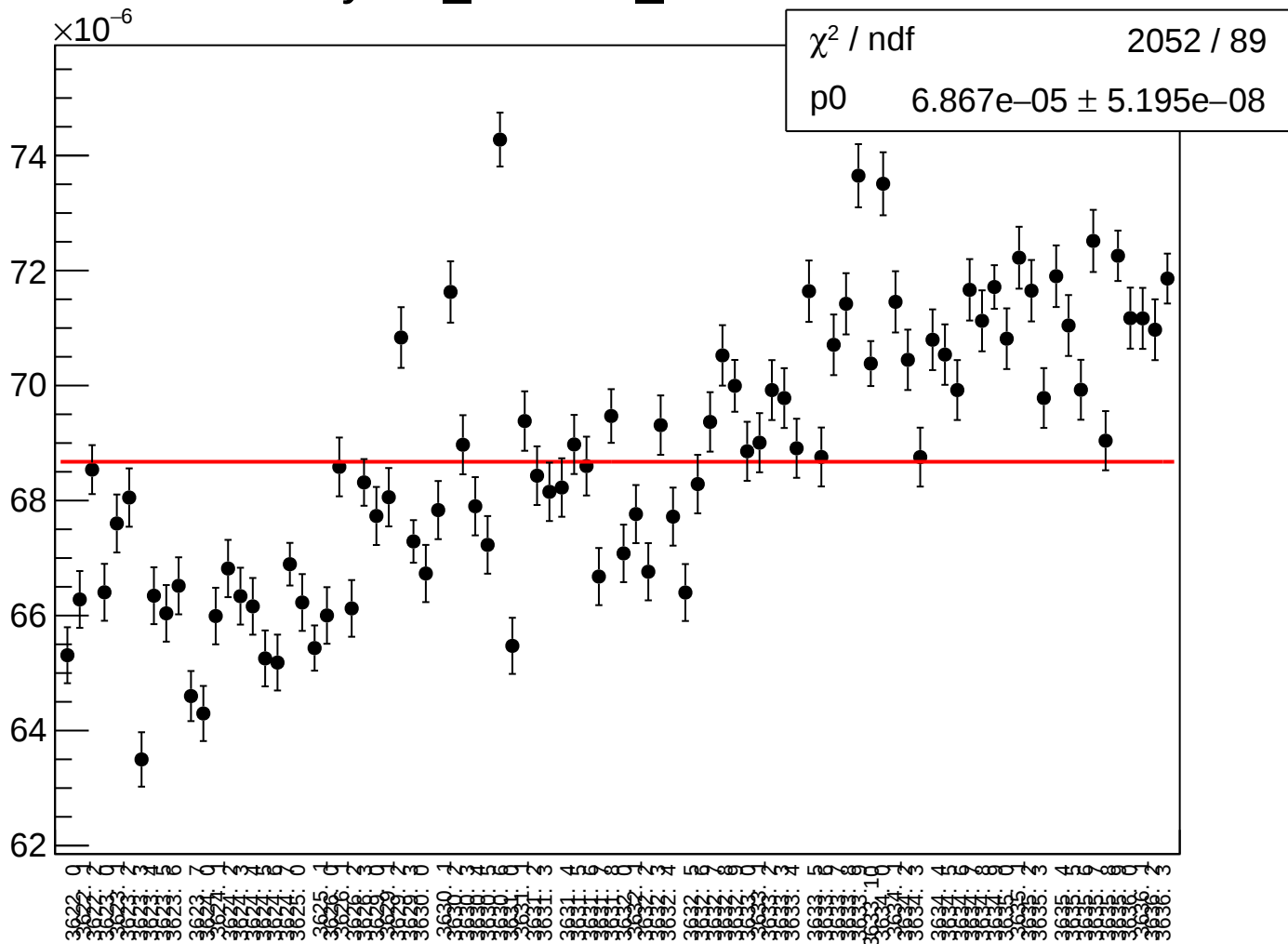
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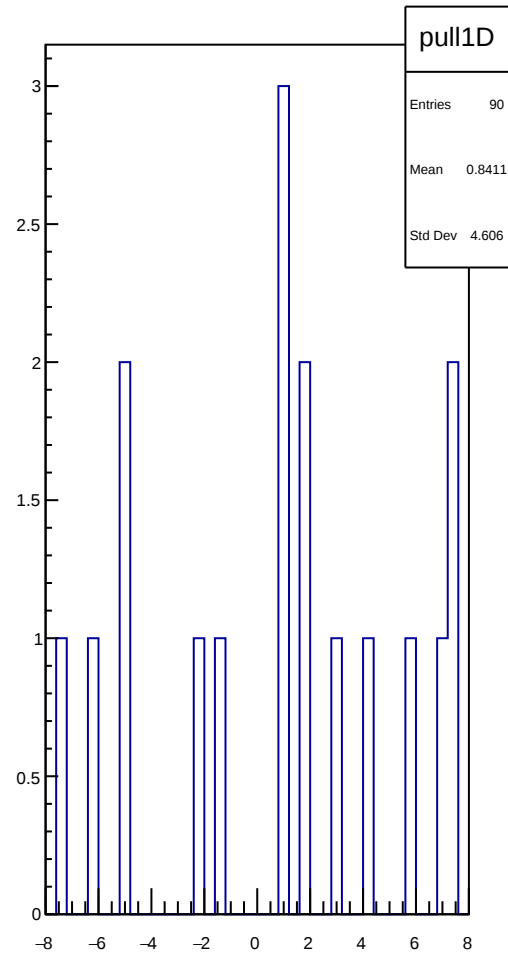
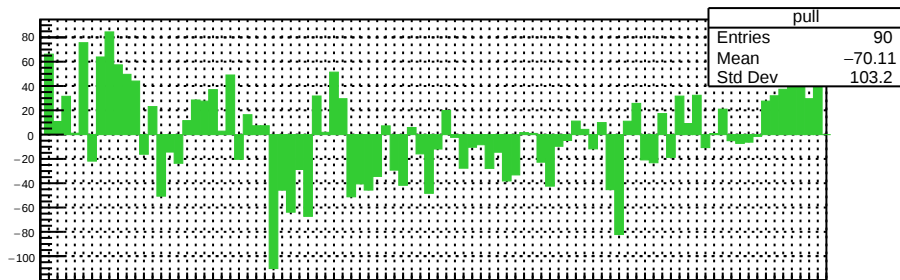
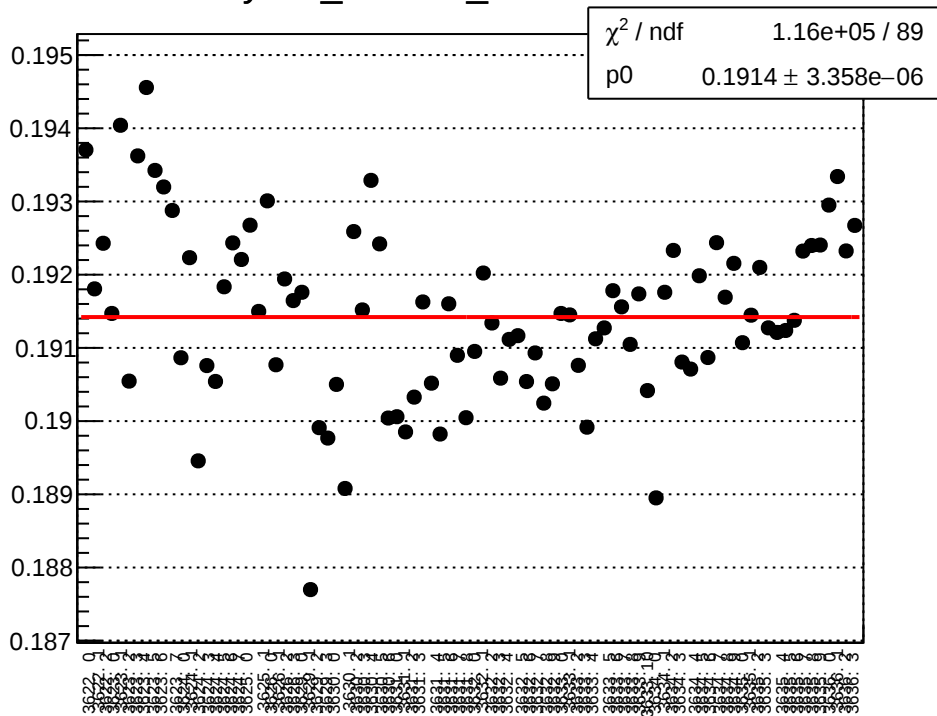
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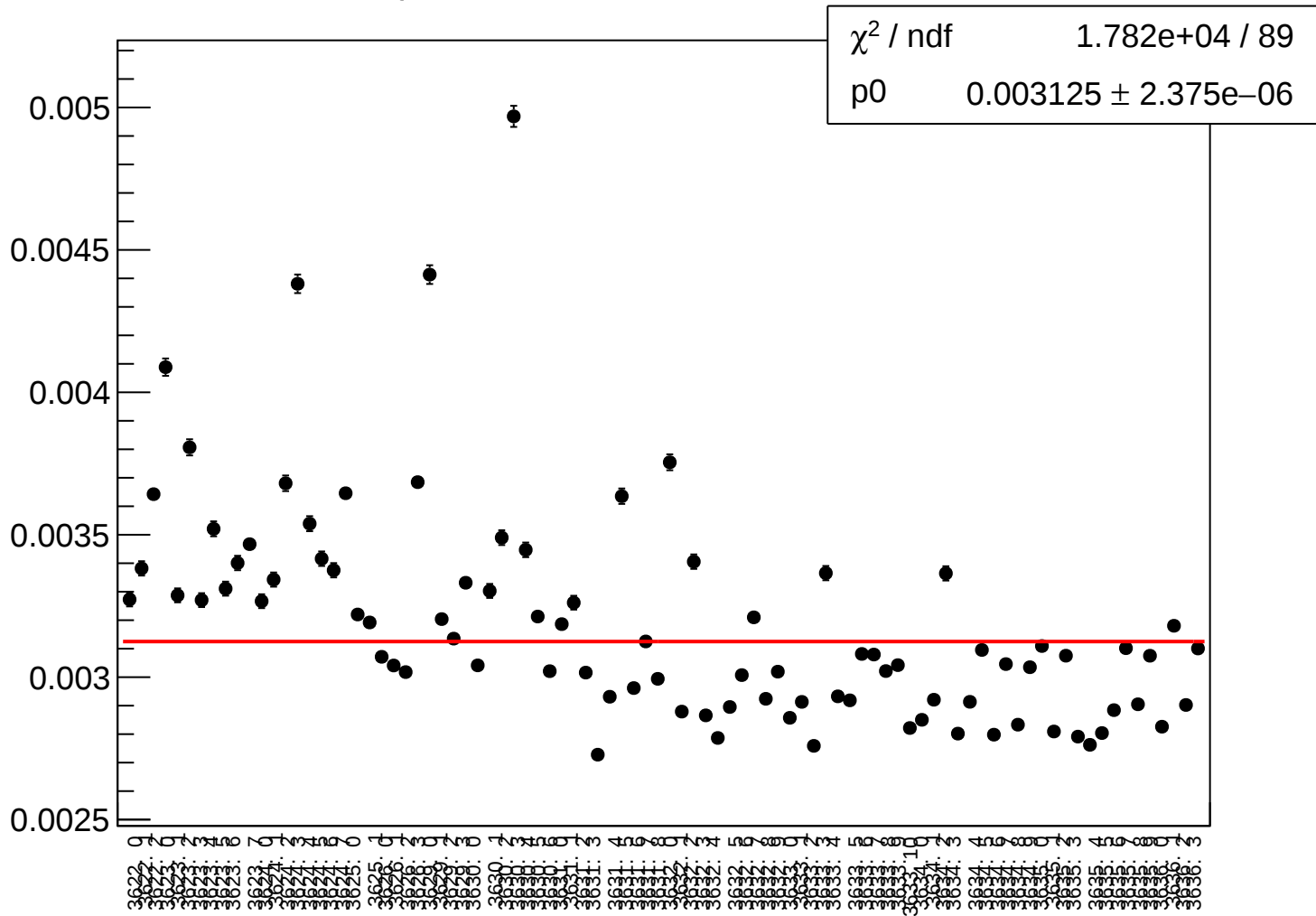
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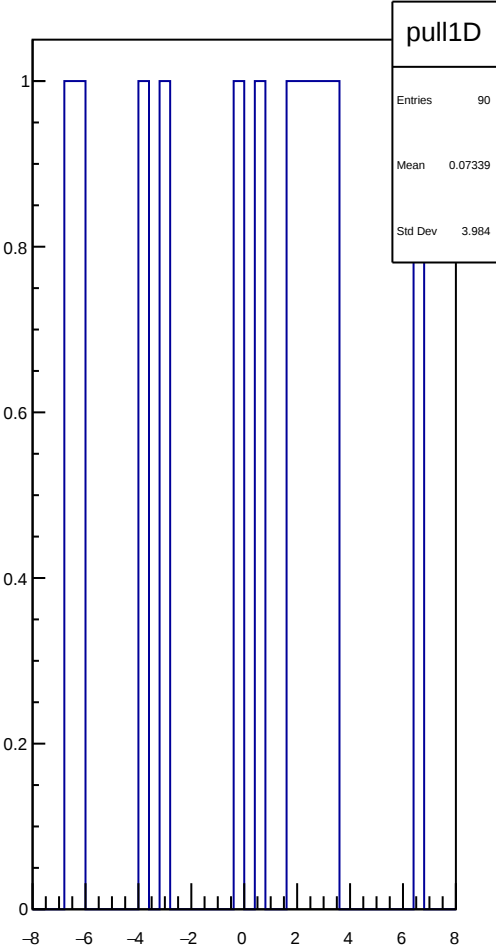
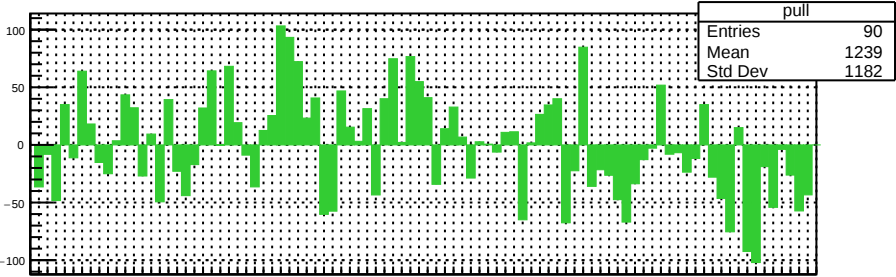
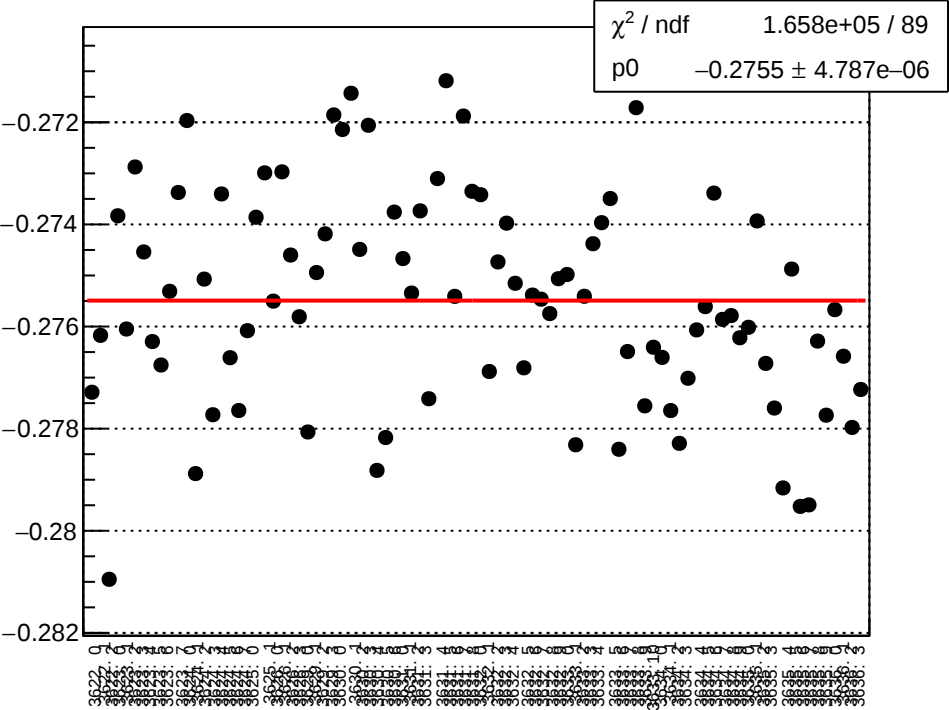
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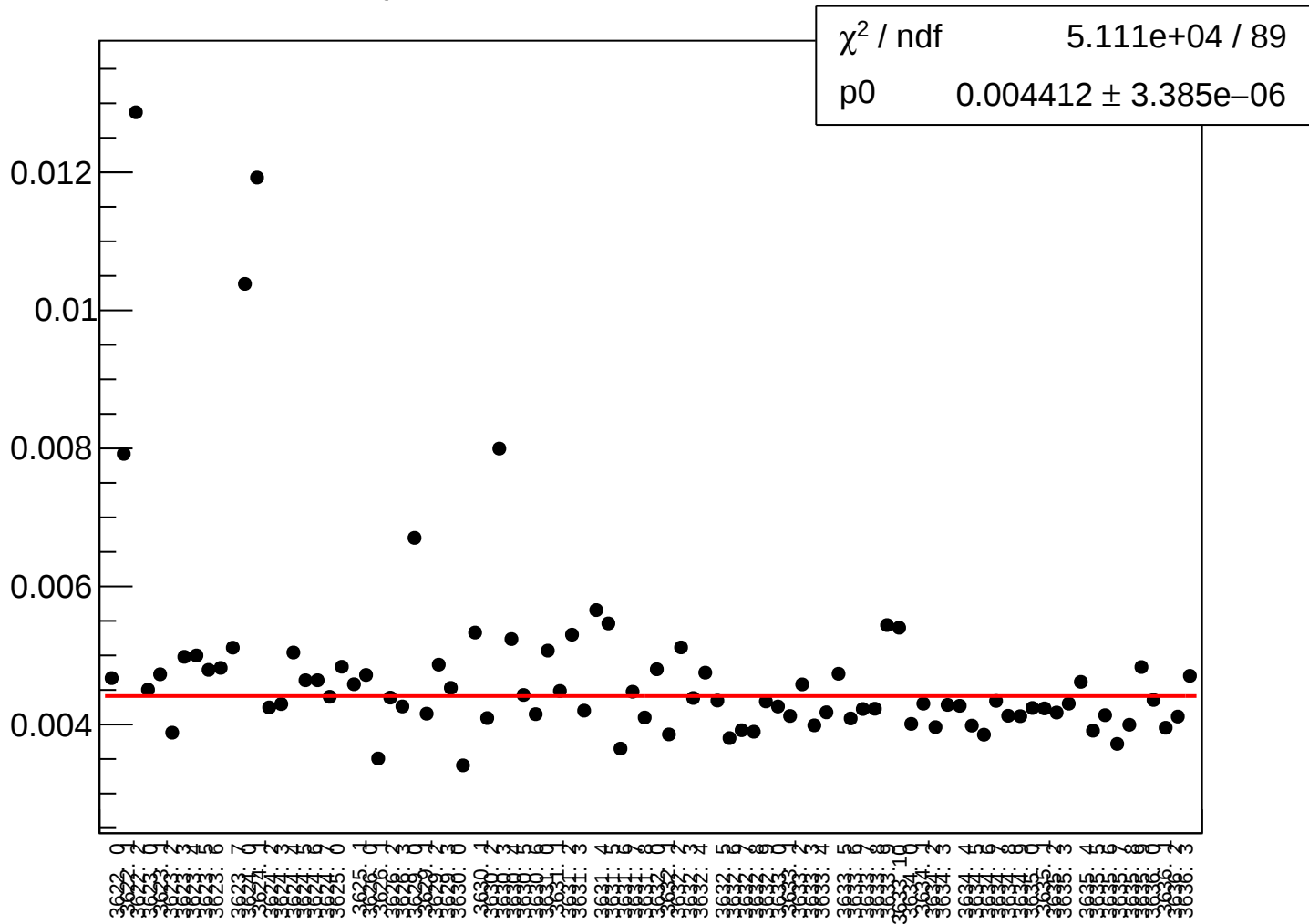
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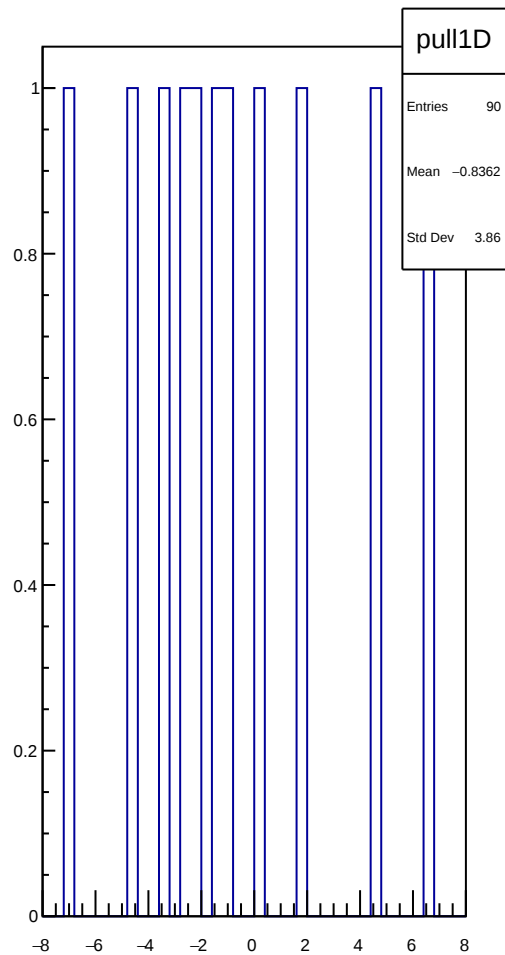
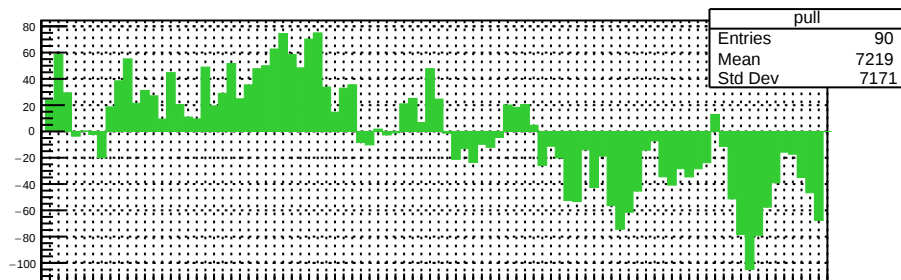
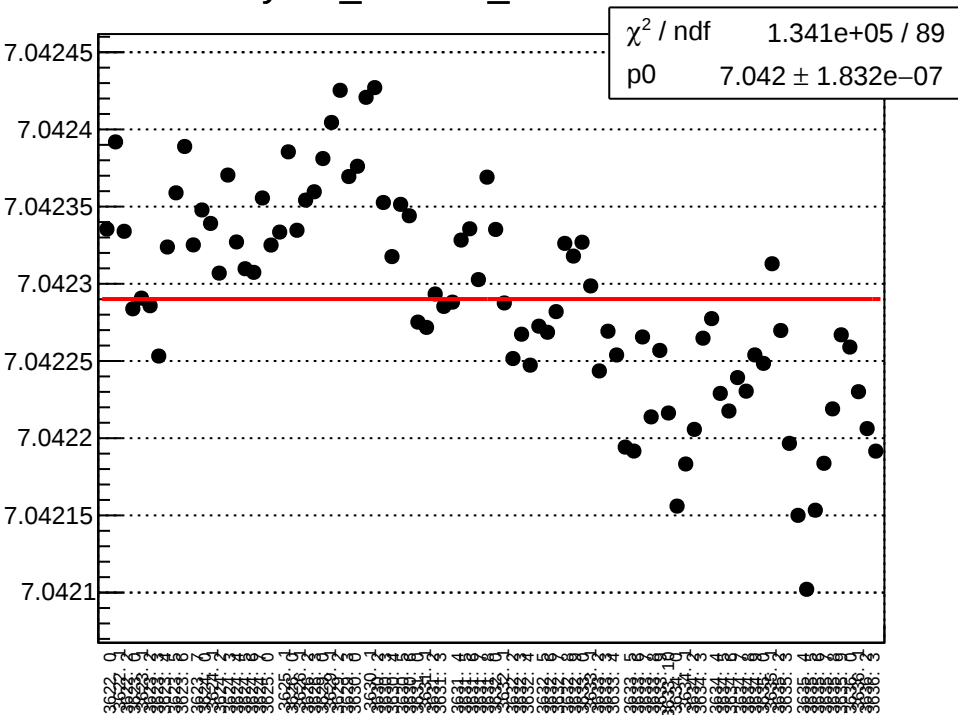
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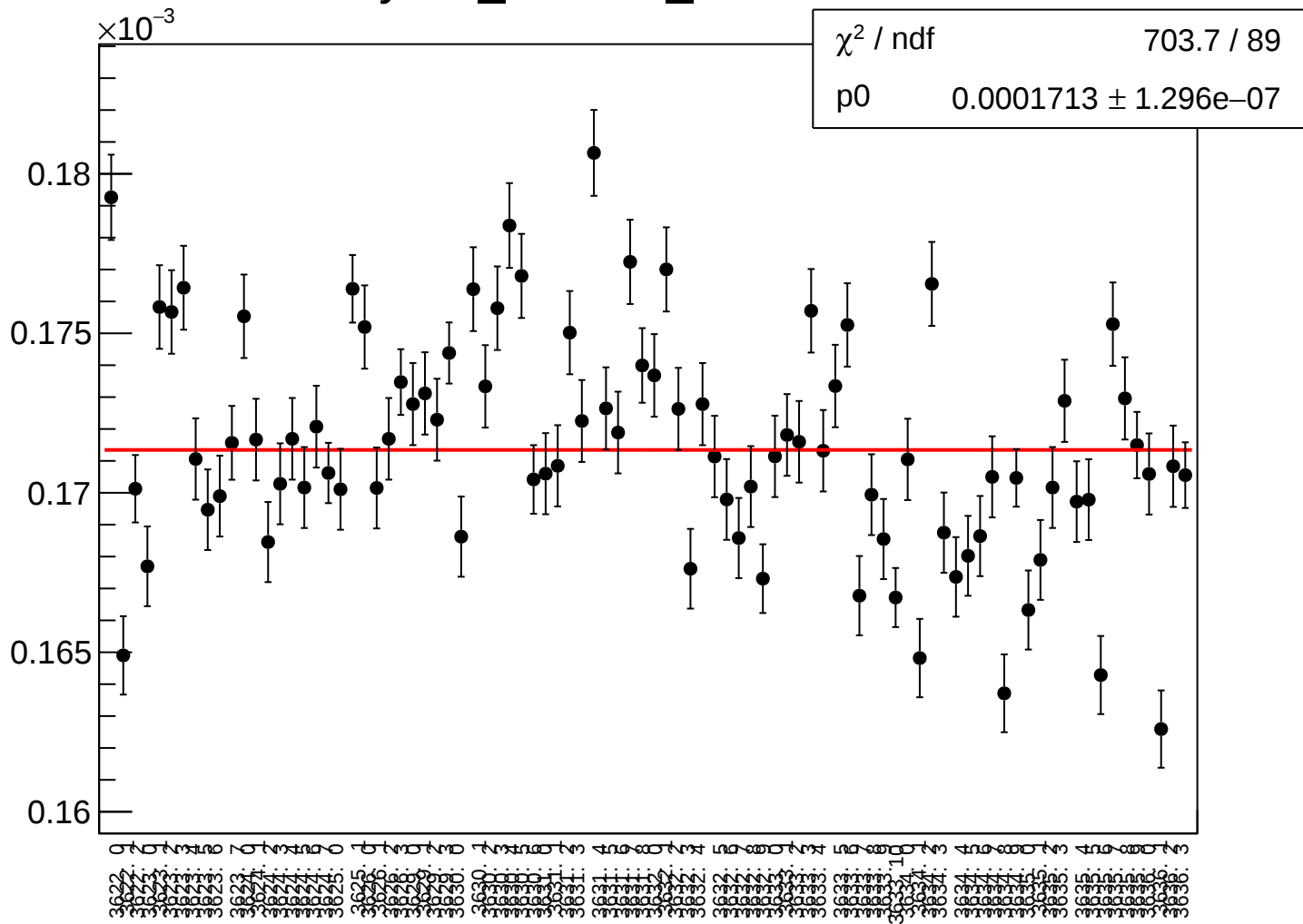
yield_cav4cY_rms vs run



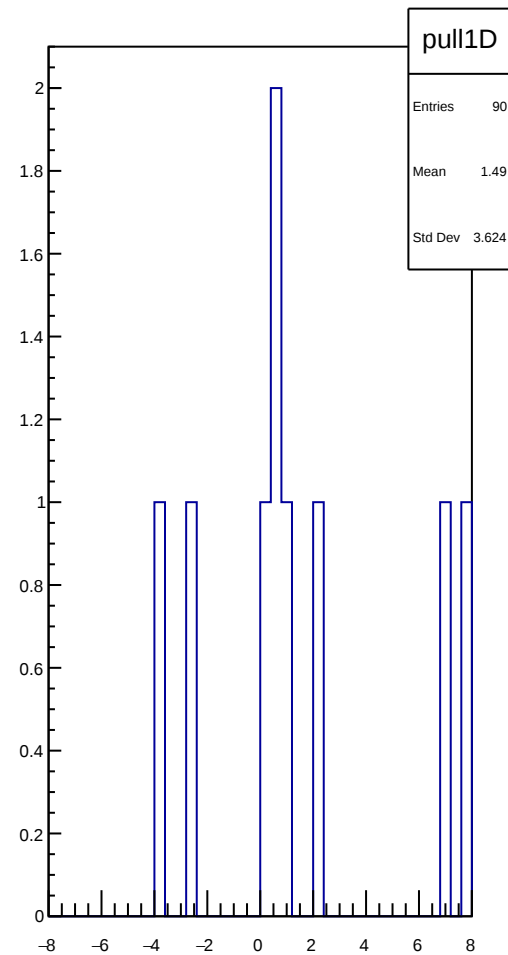
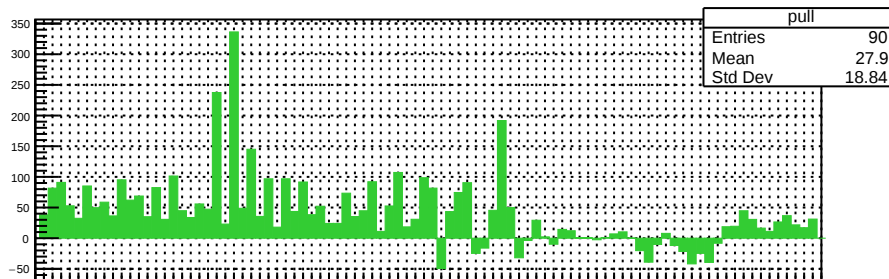
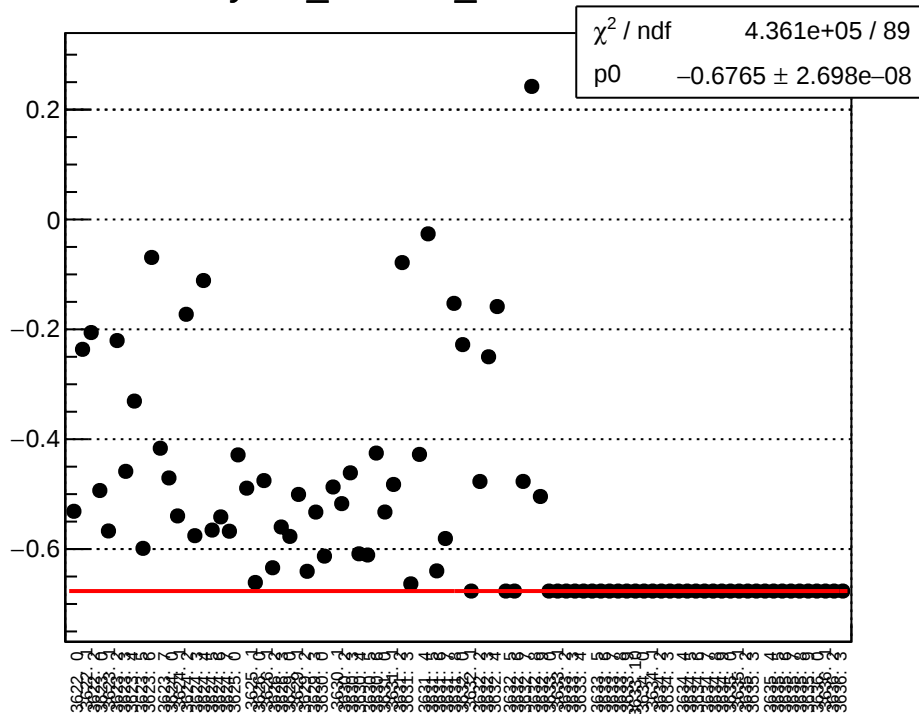
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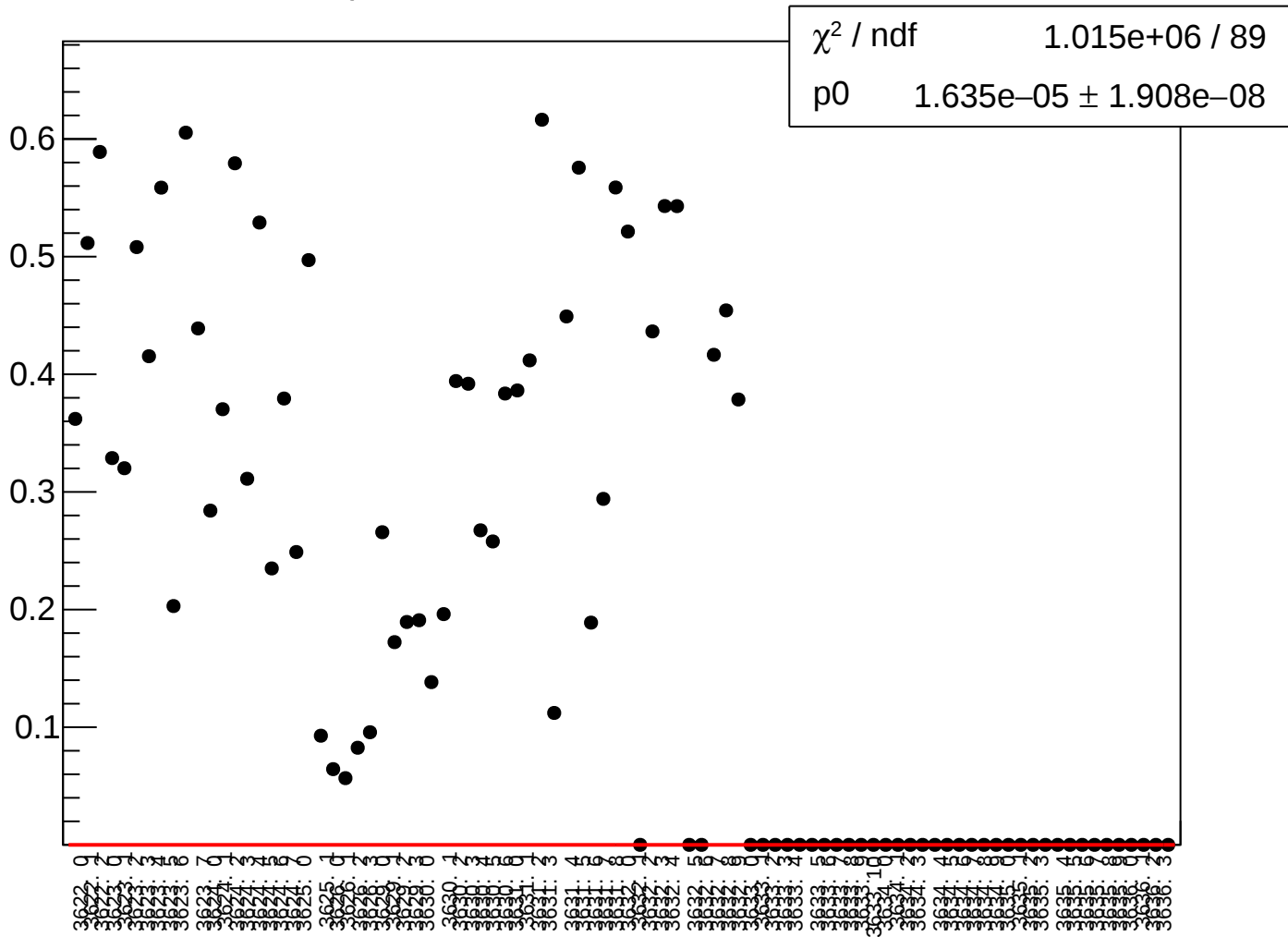
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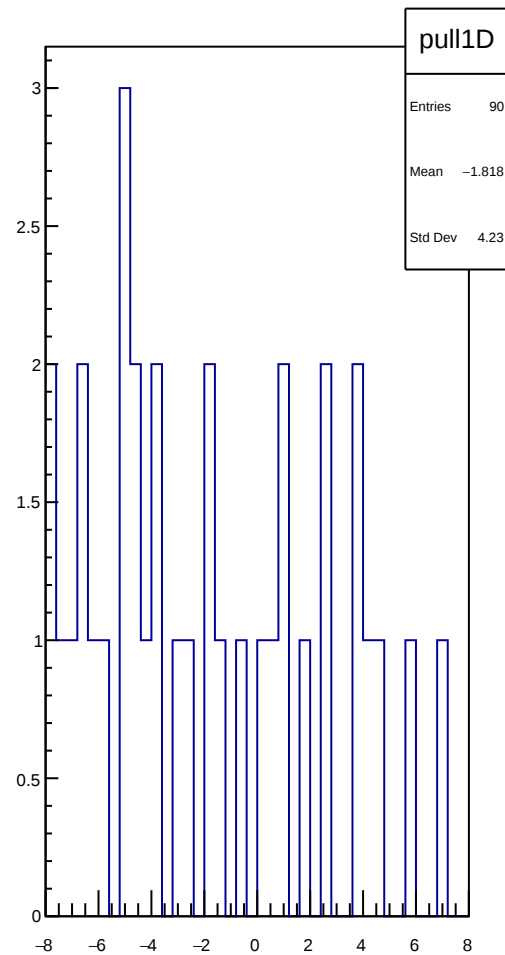
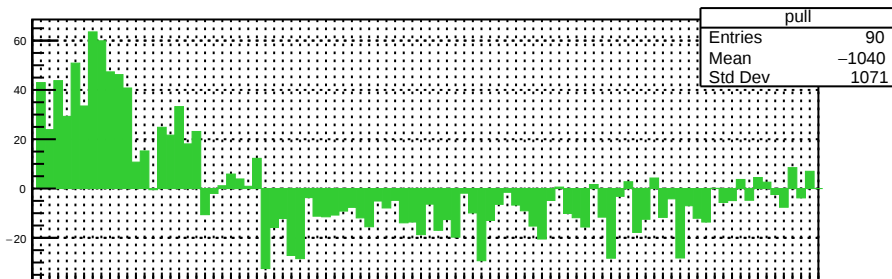
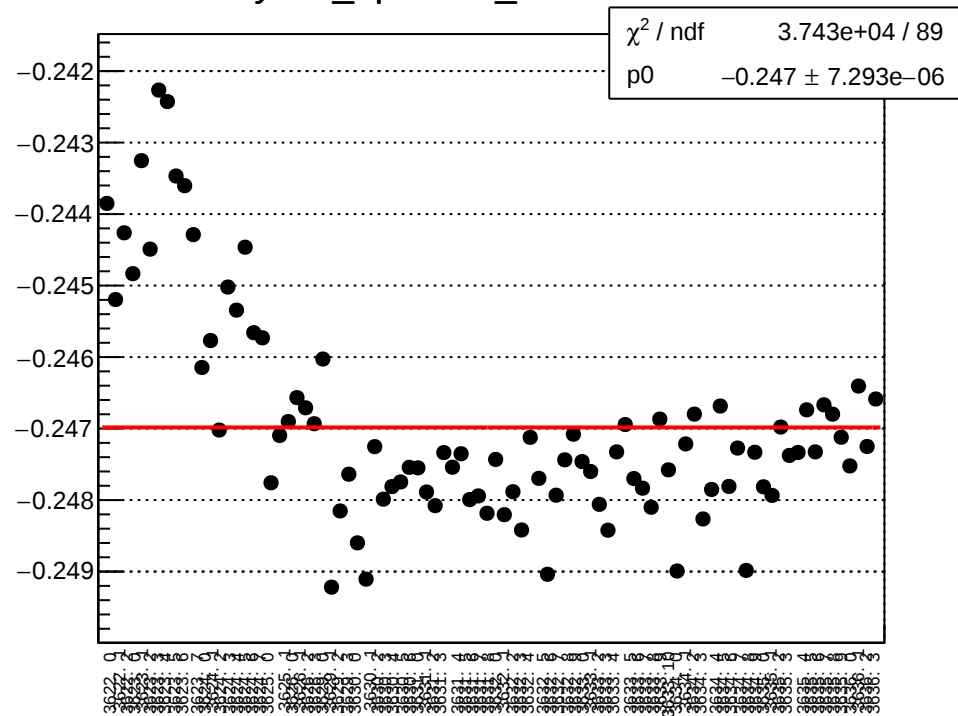
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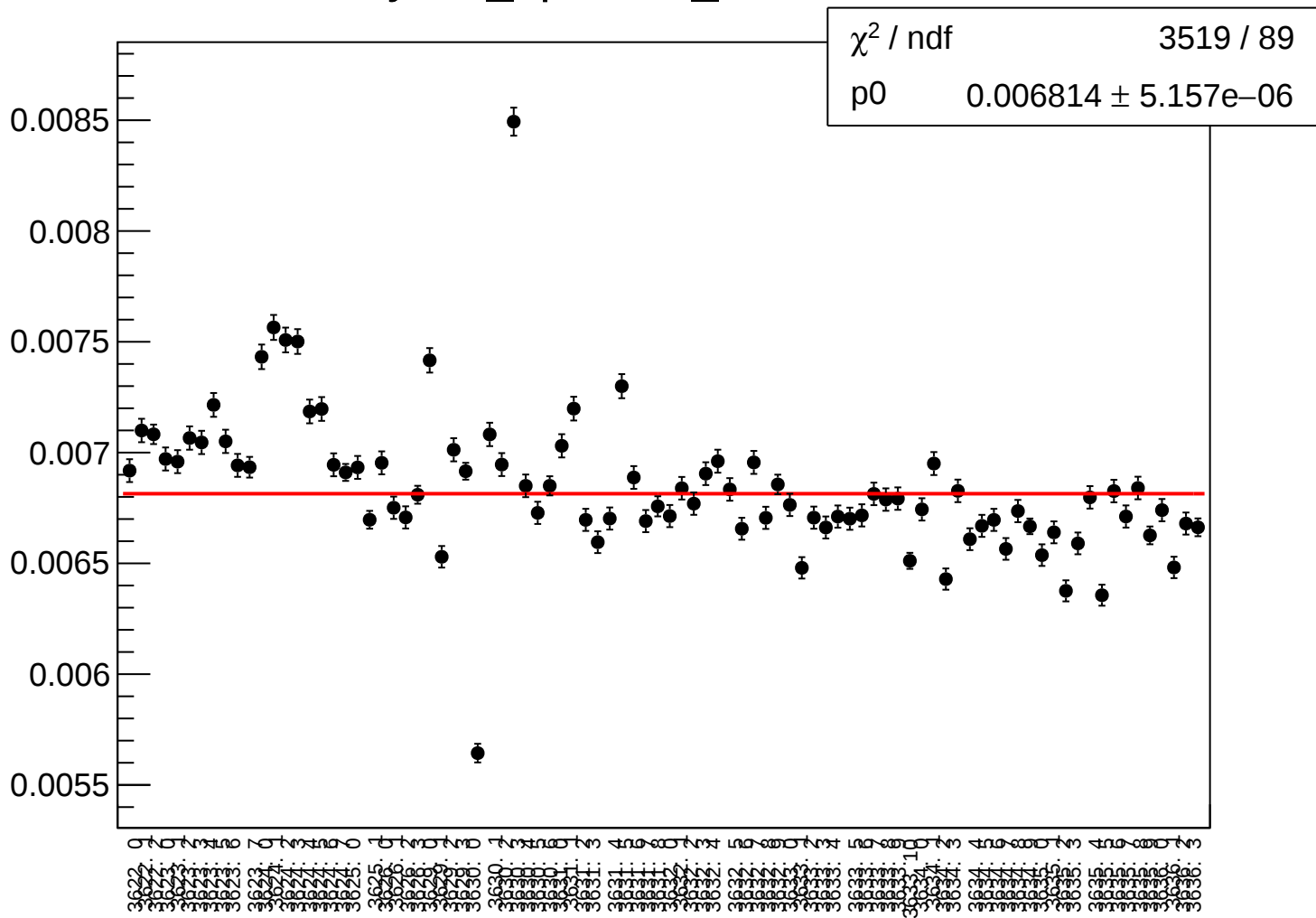
yield_cav4dY_rms vs run



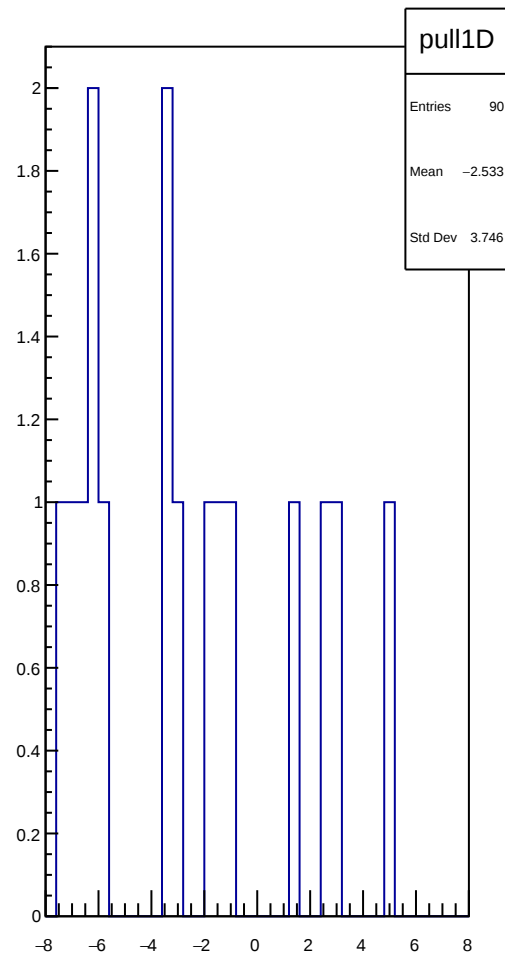
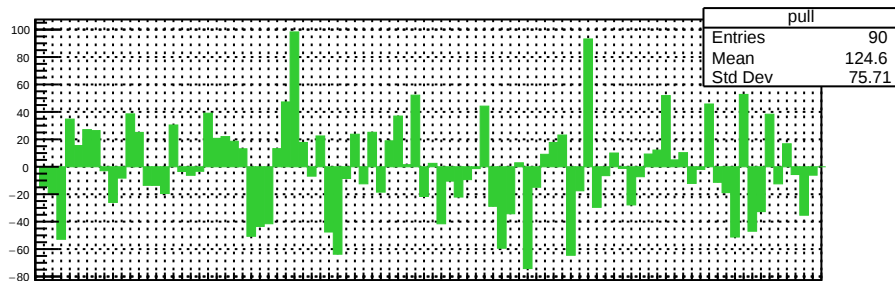
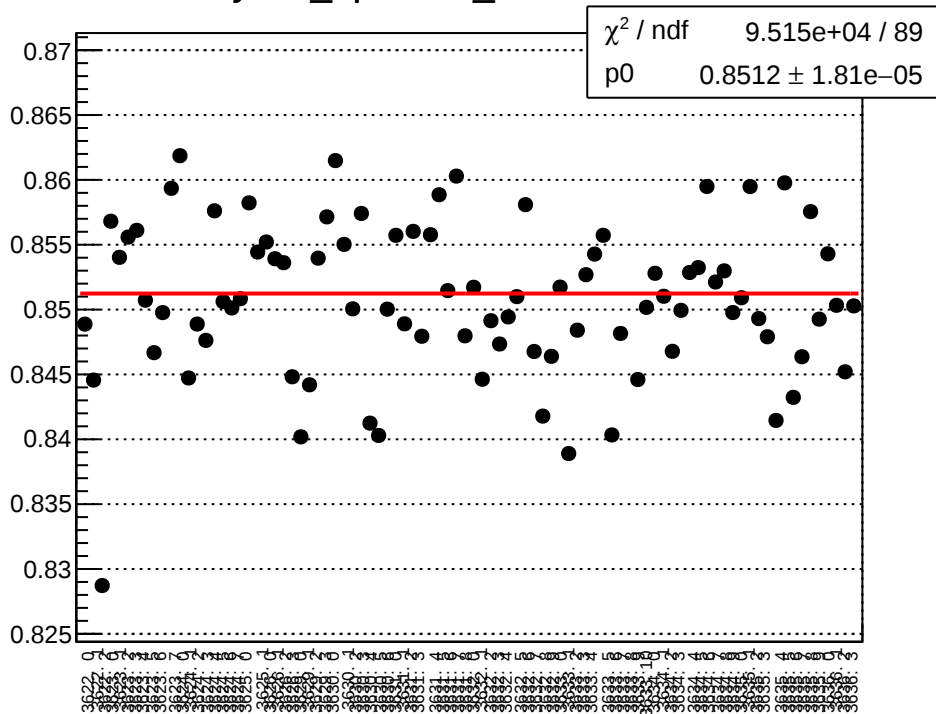
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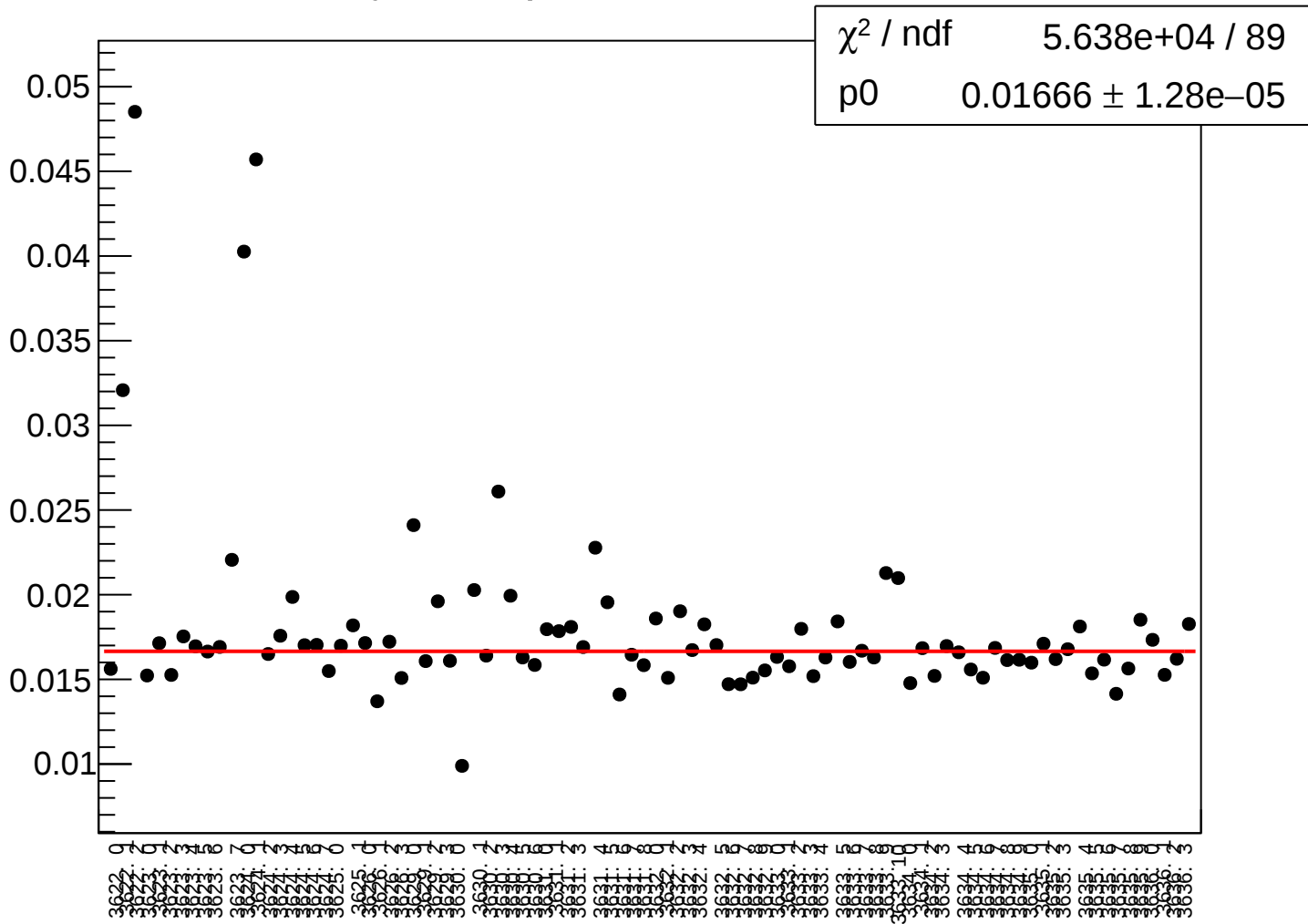
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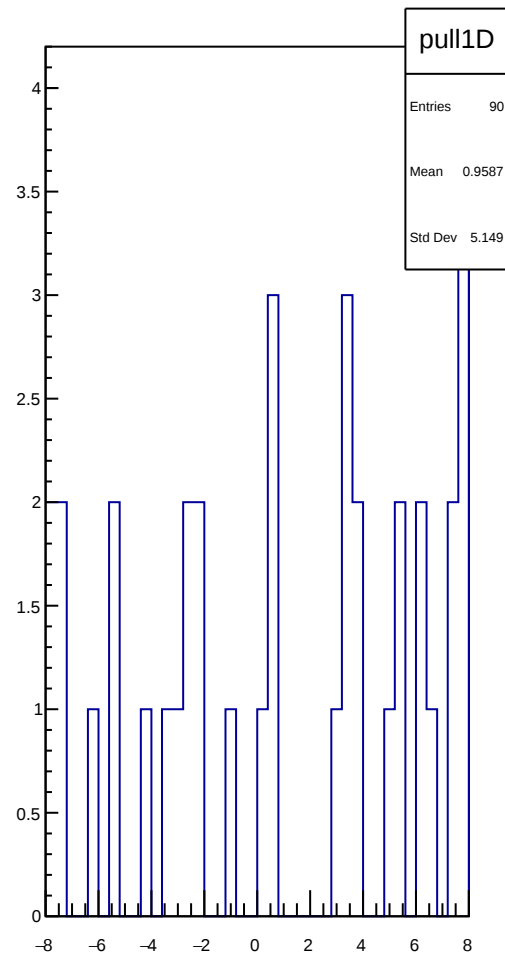
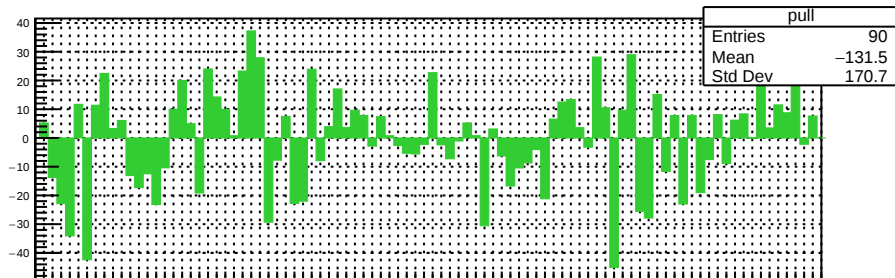
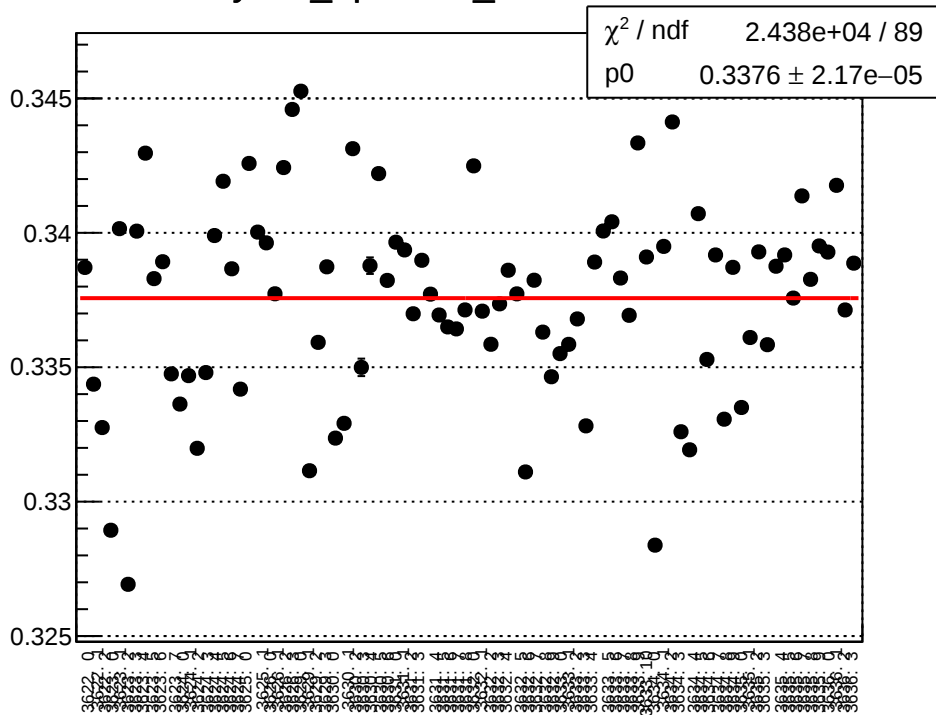
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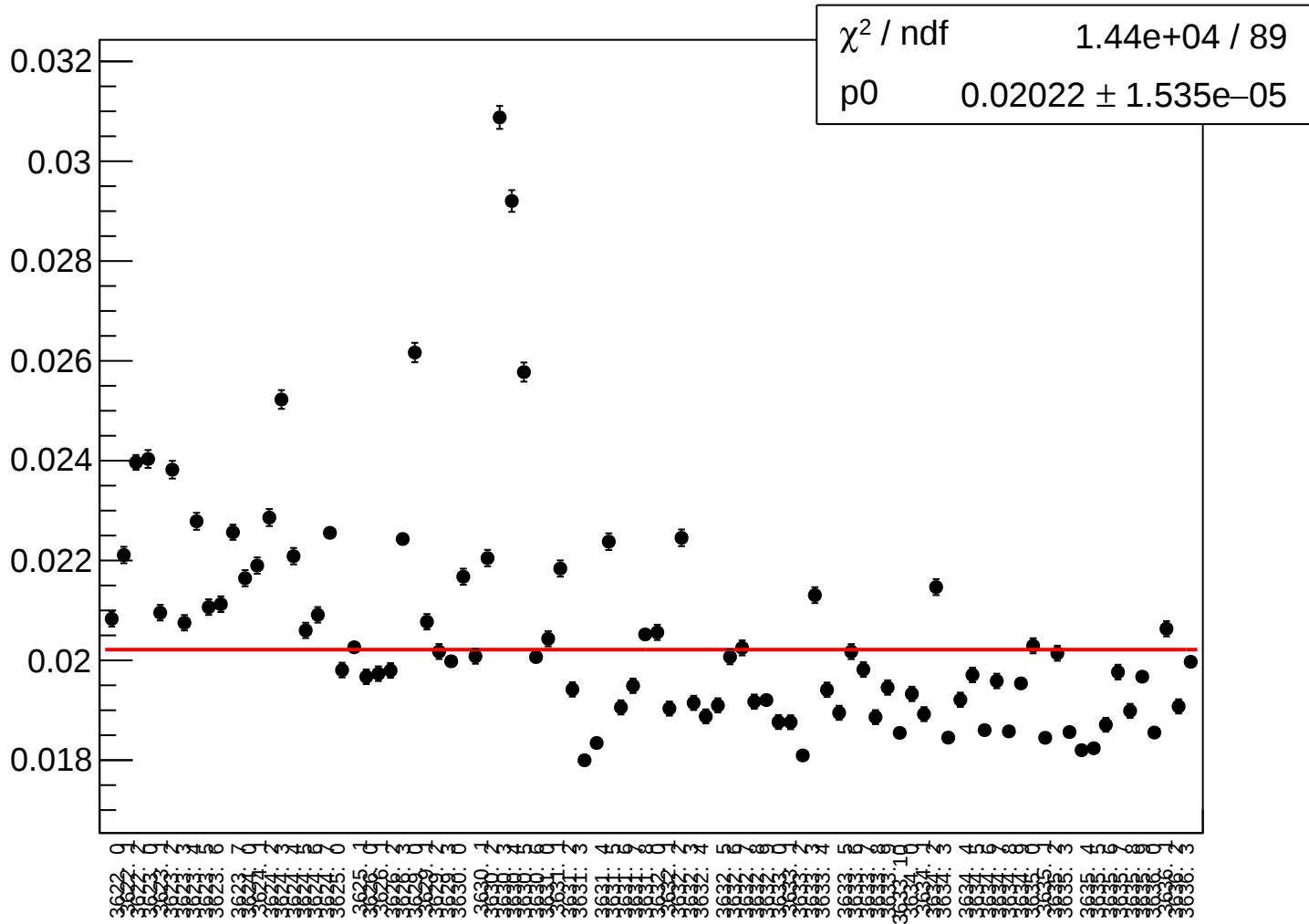
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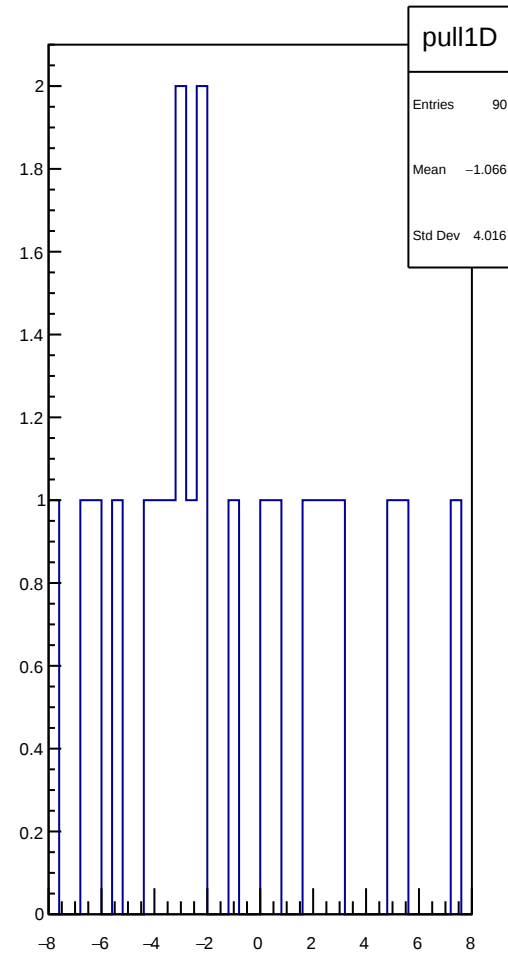
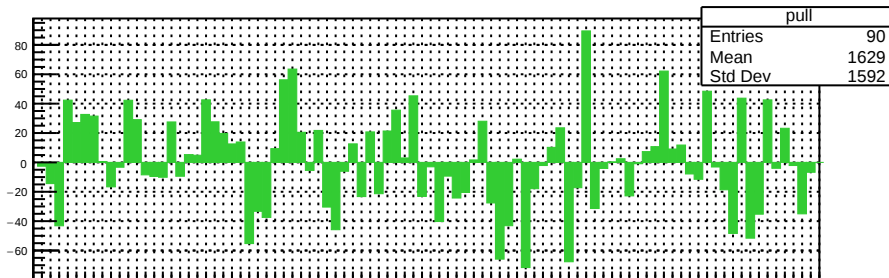
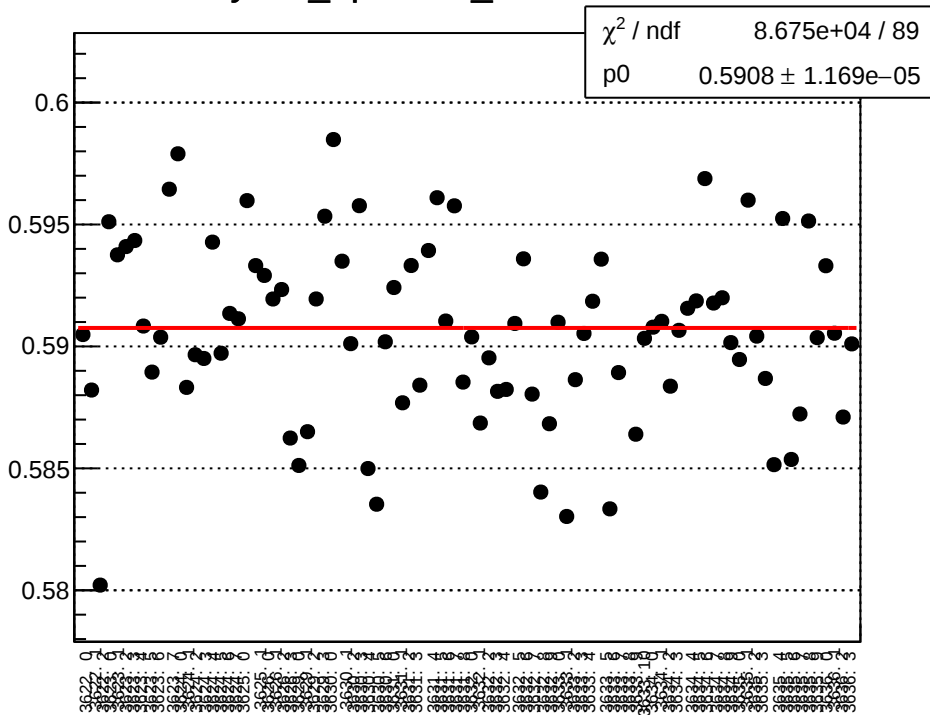
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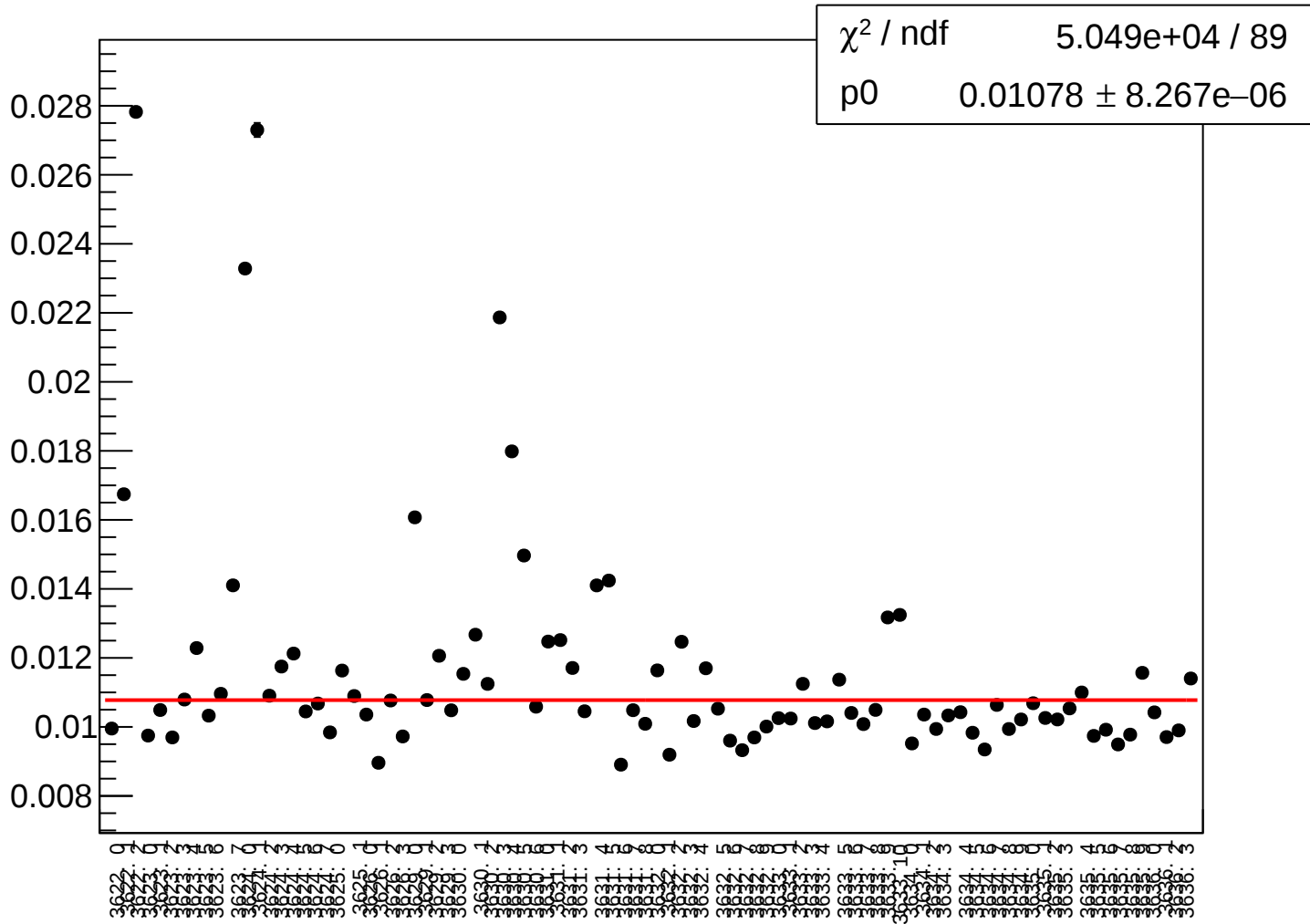
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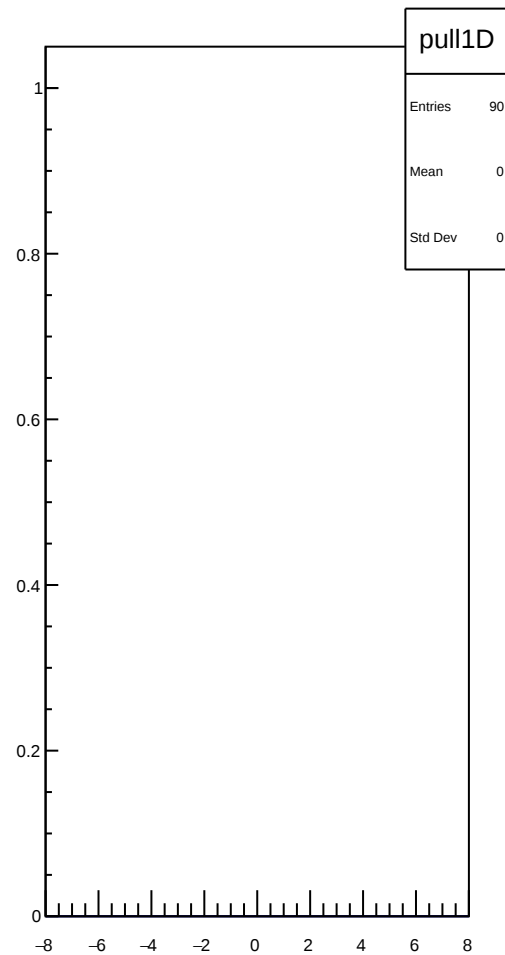
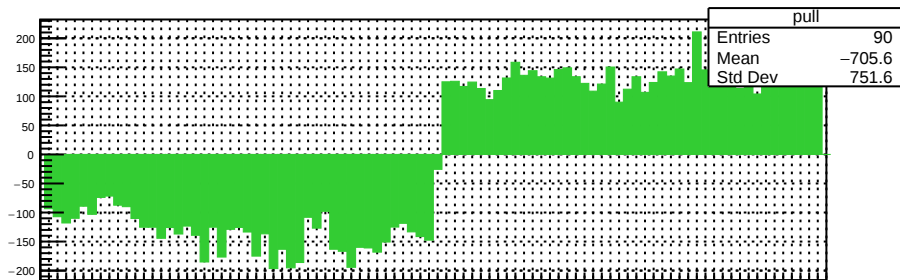
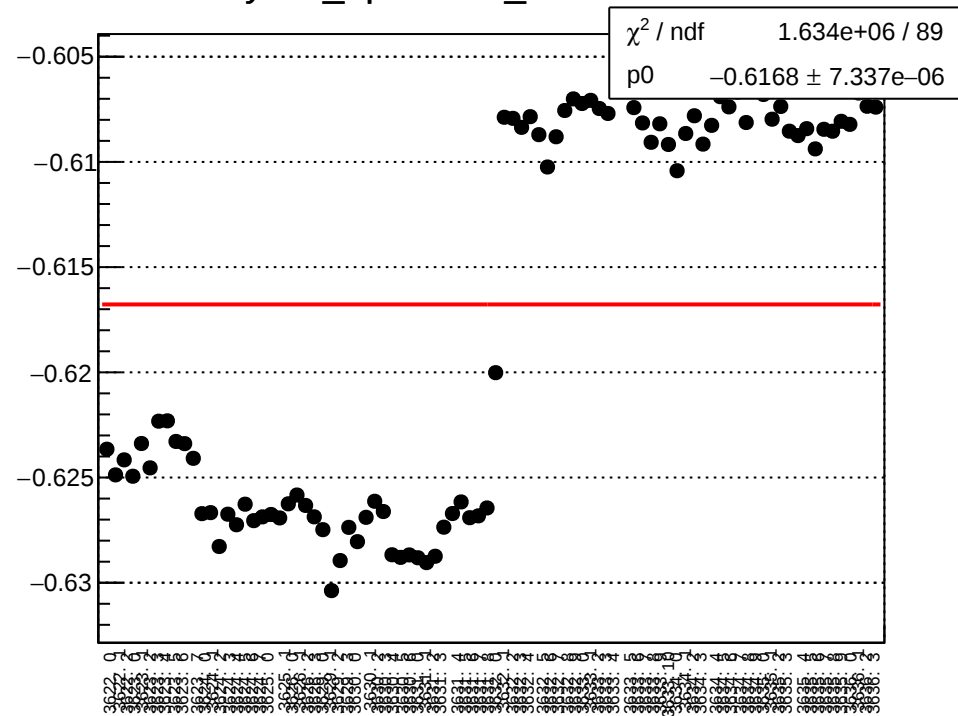
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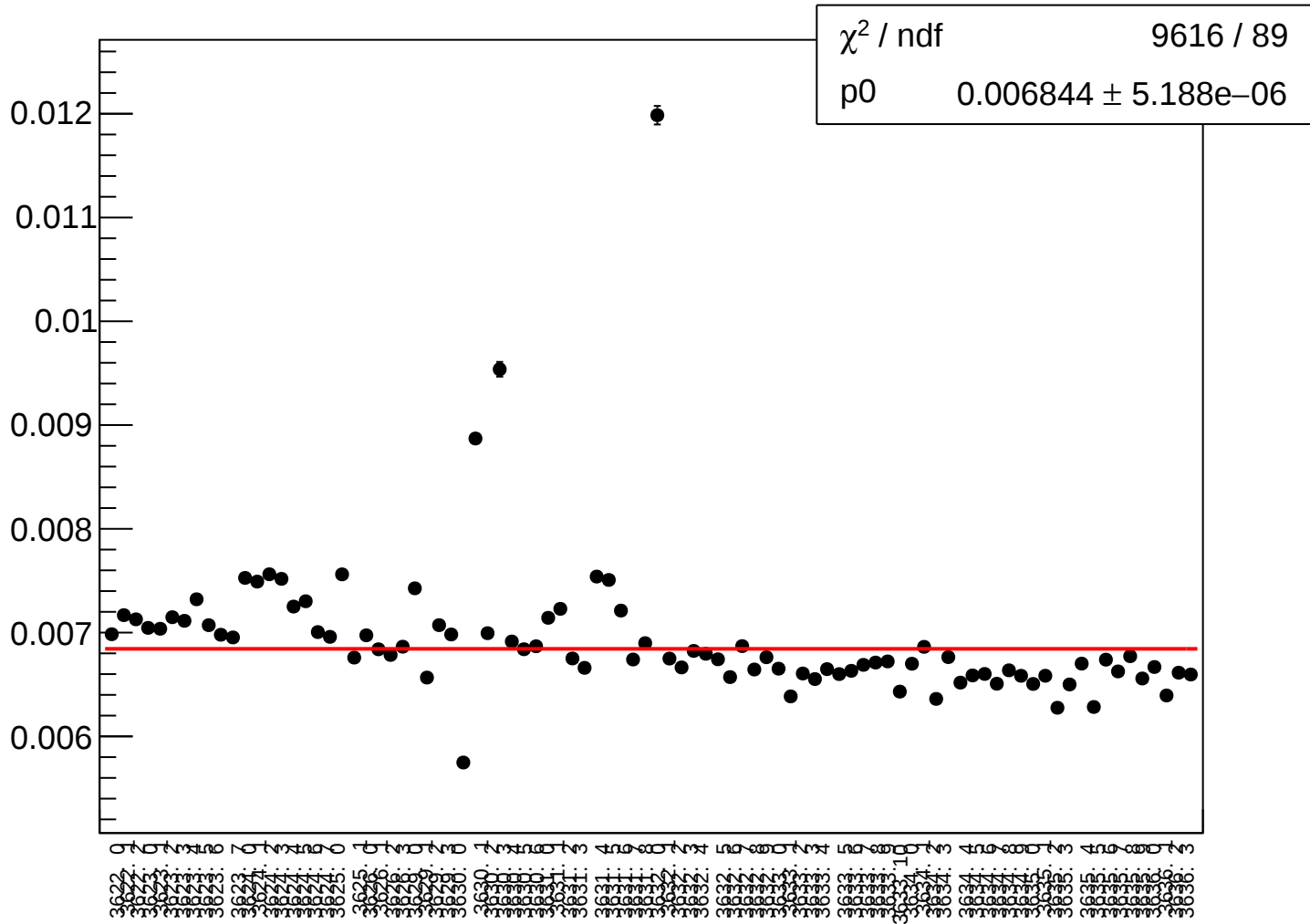
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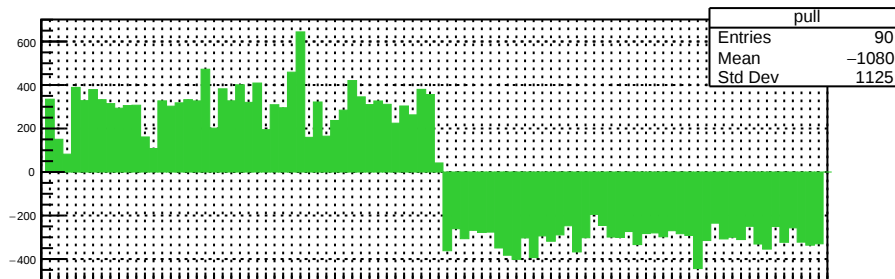
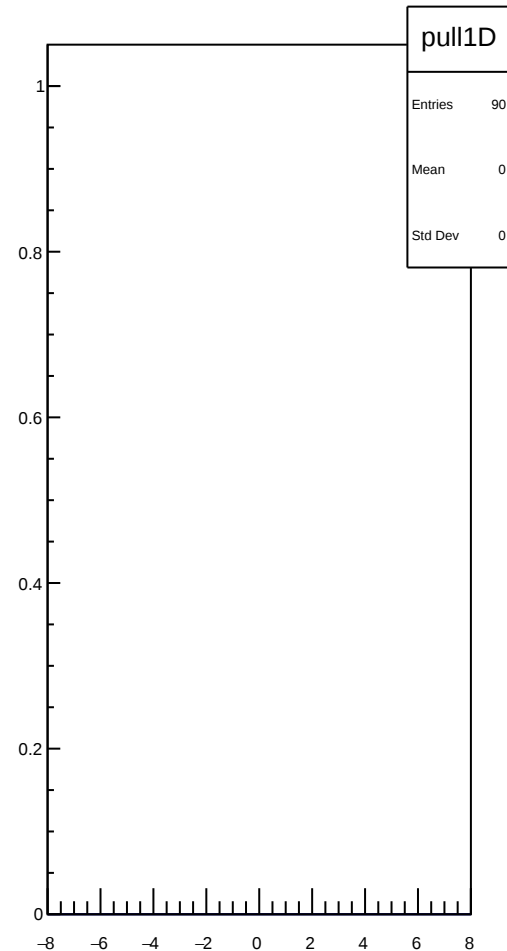
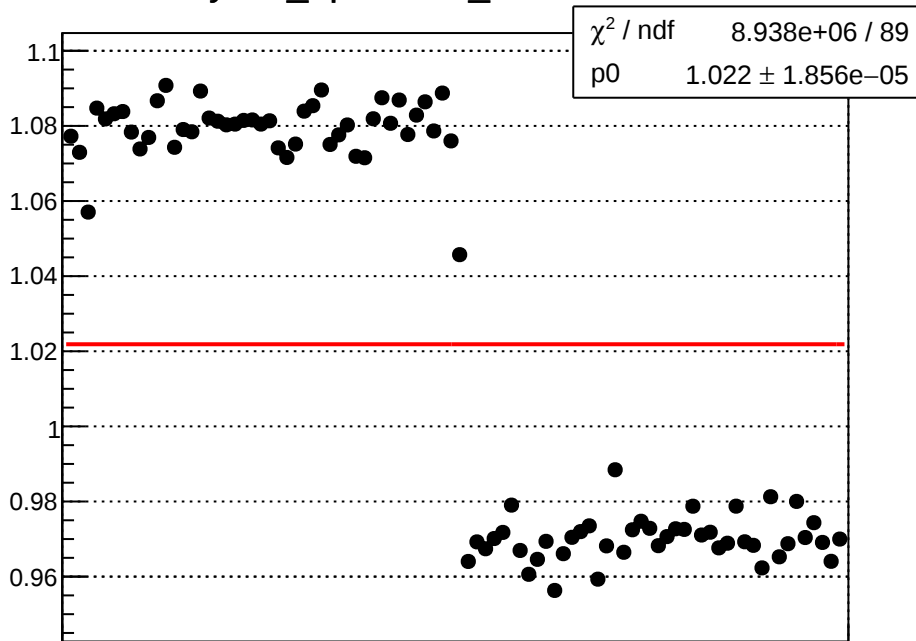
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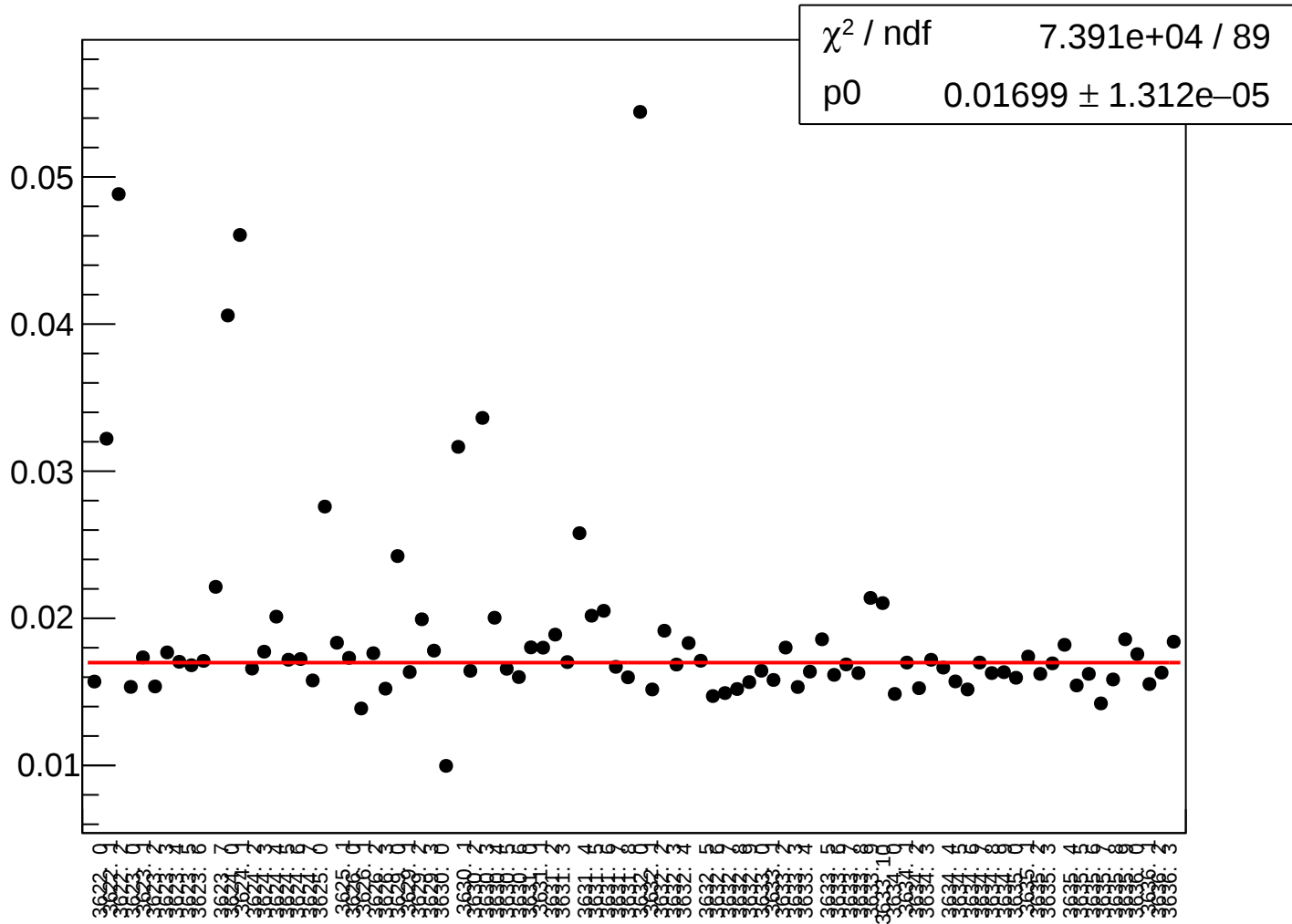
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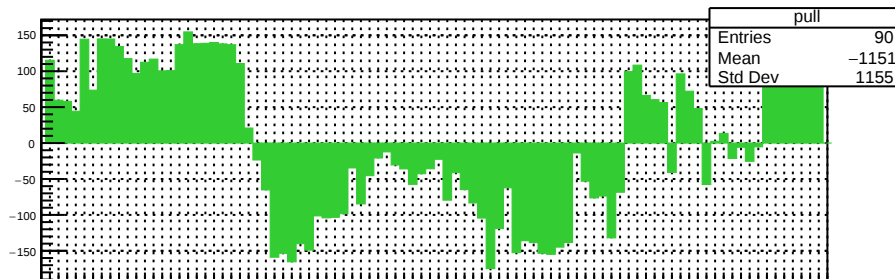
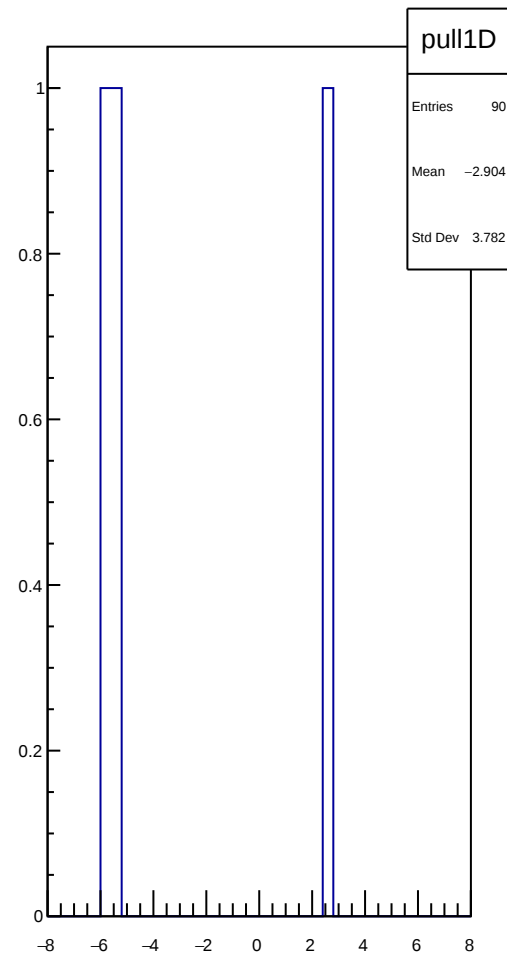
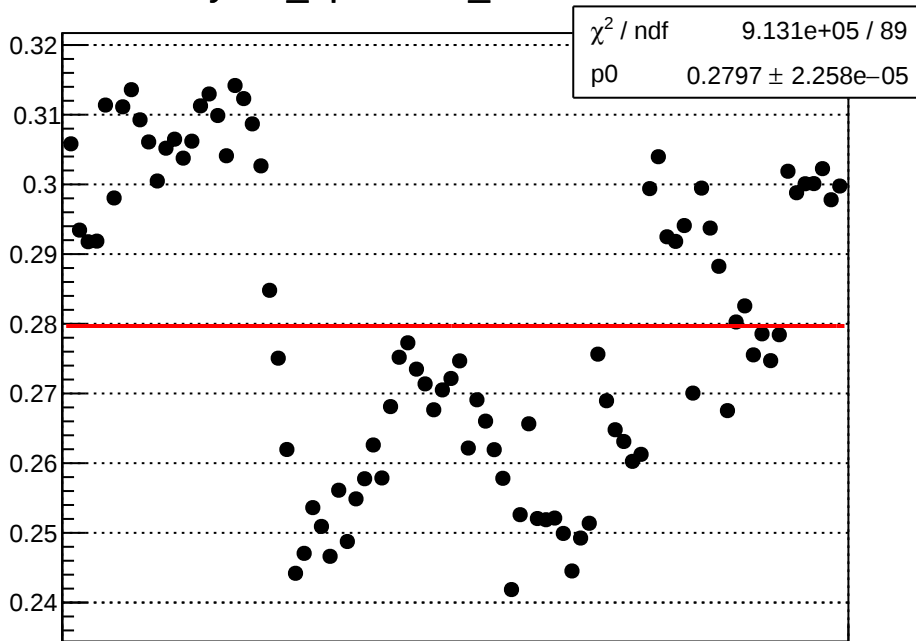
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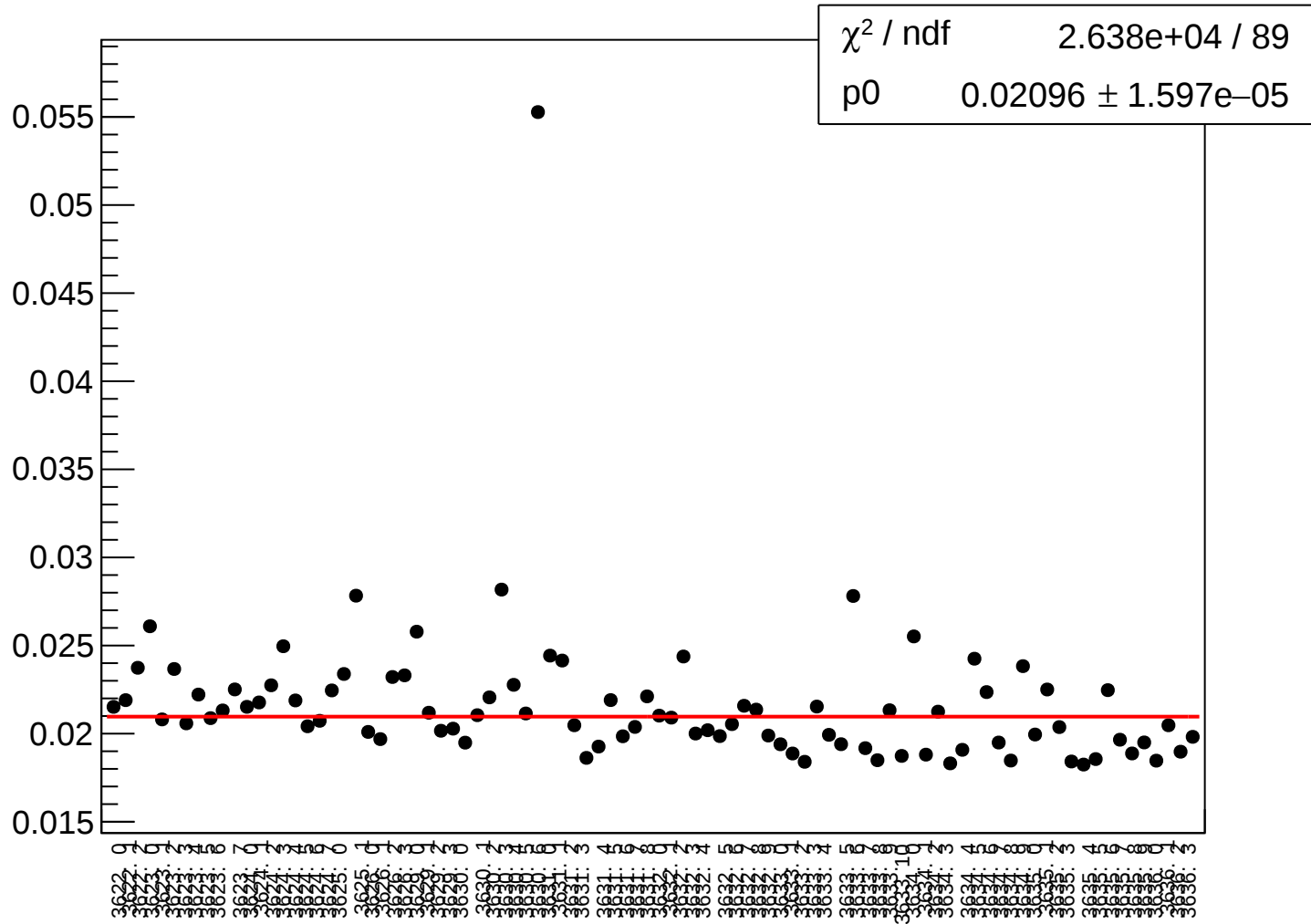
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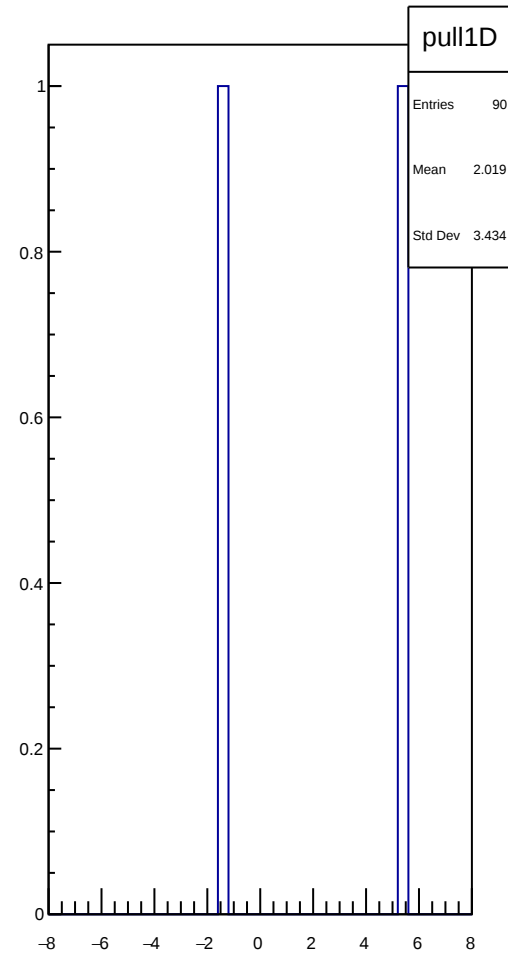
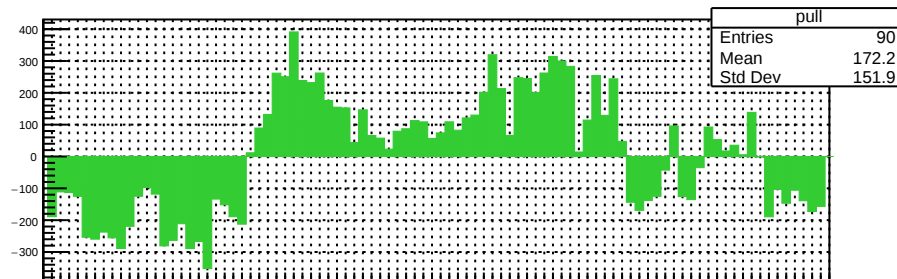
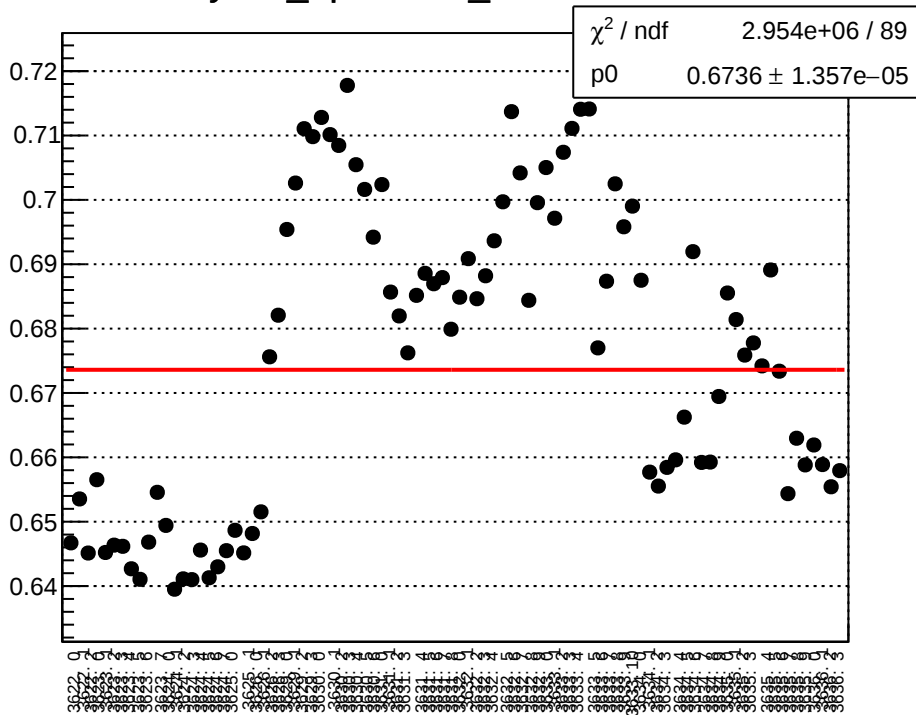
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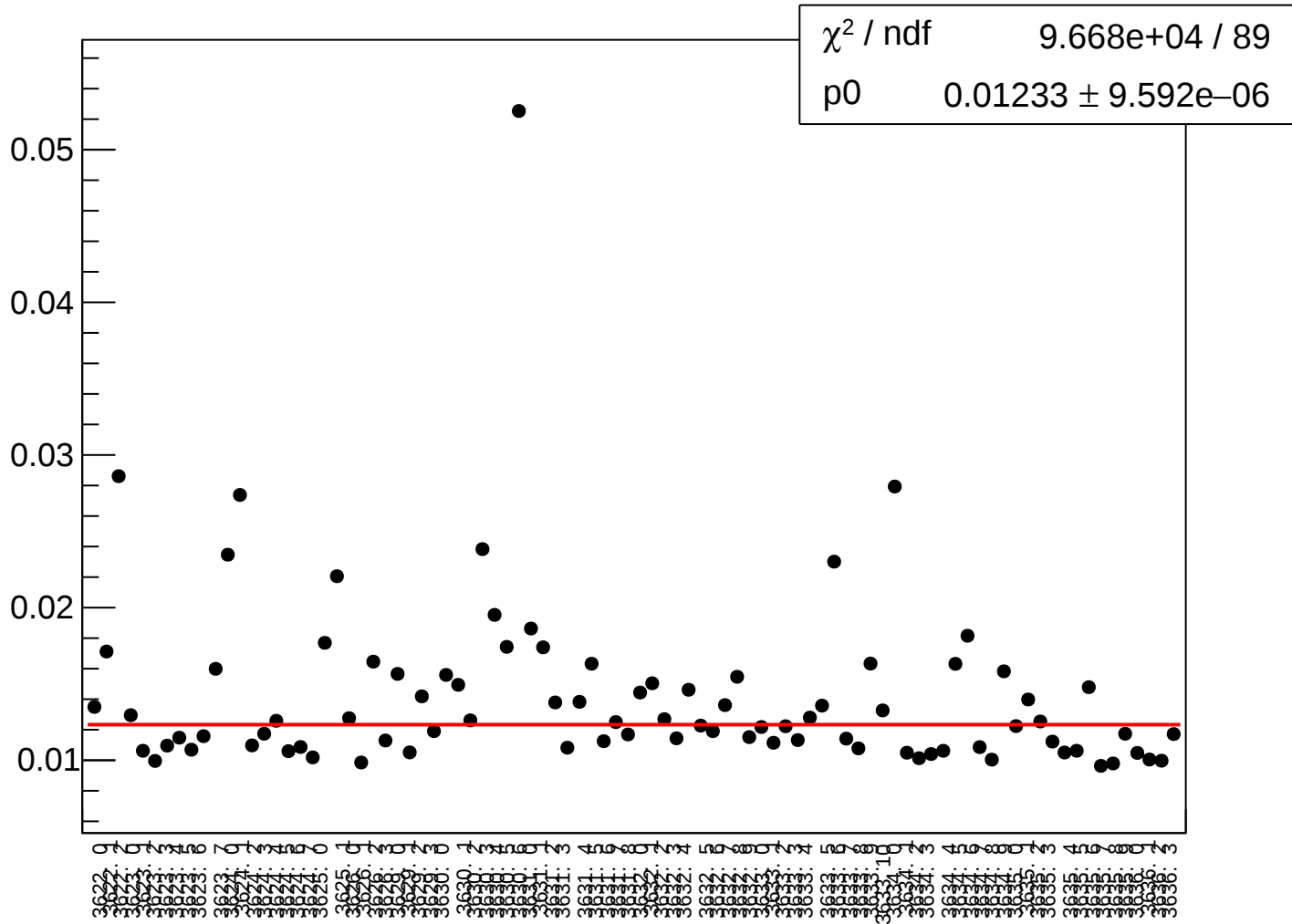
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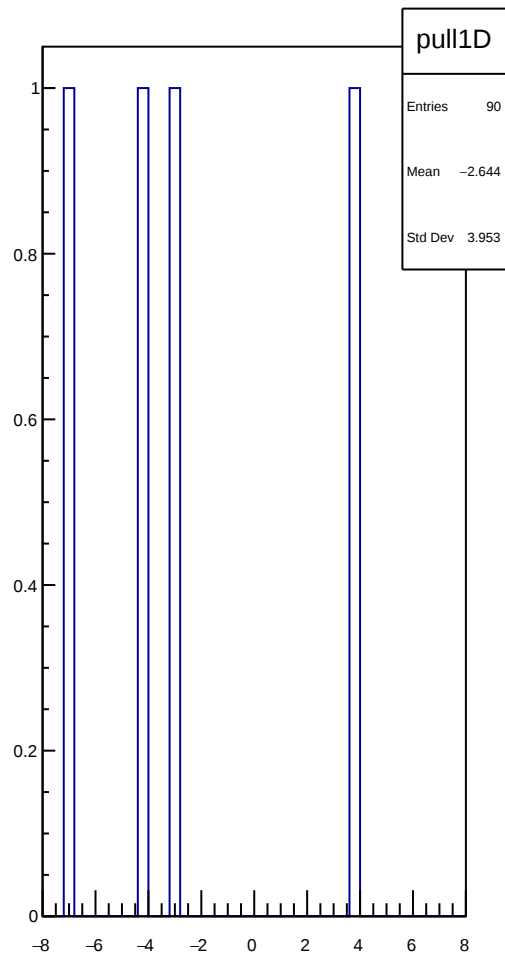
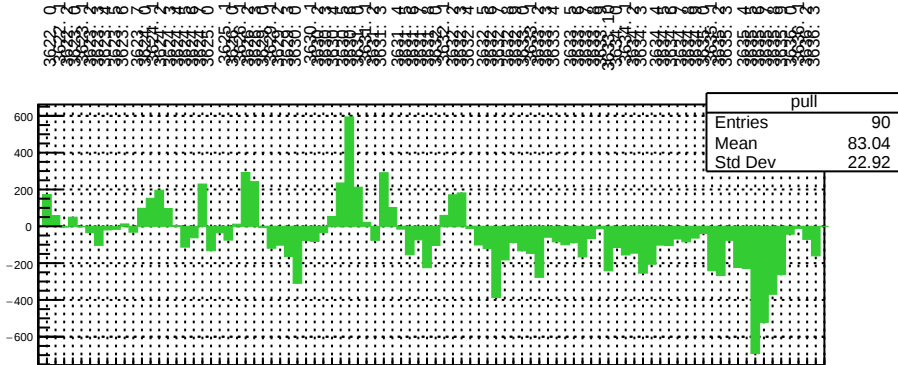
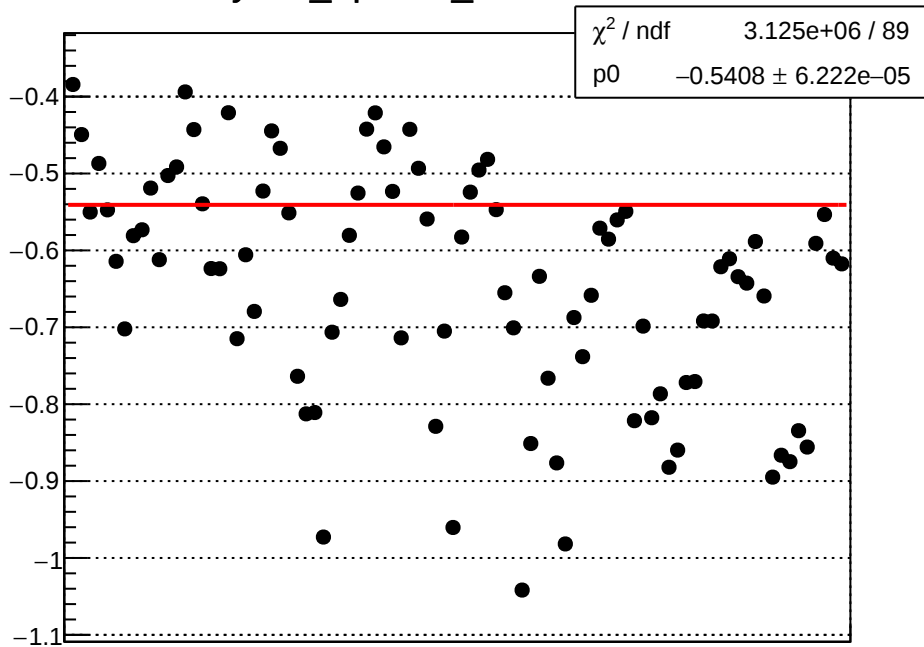
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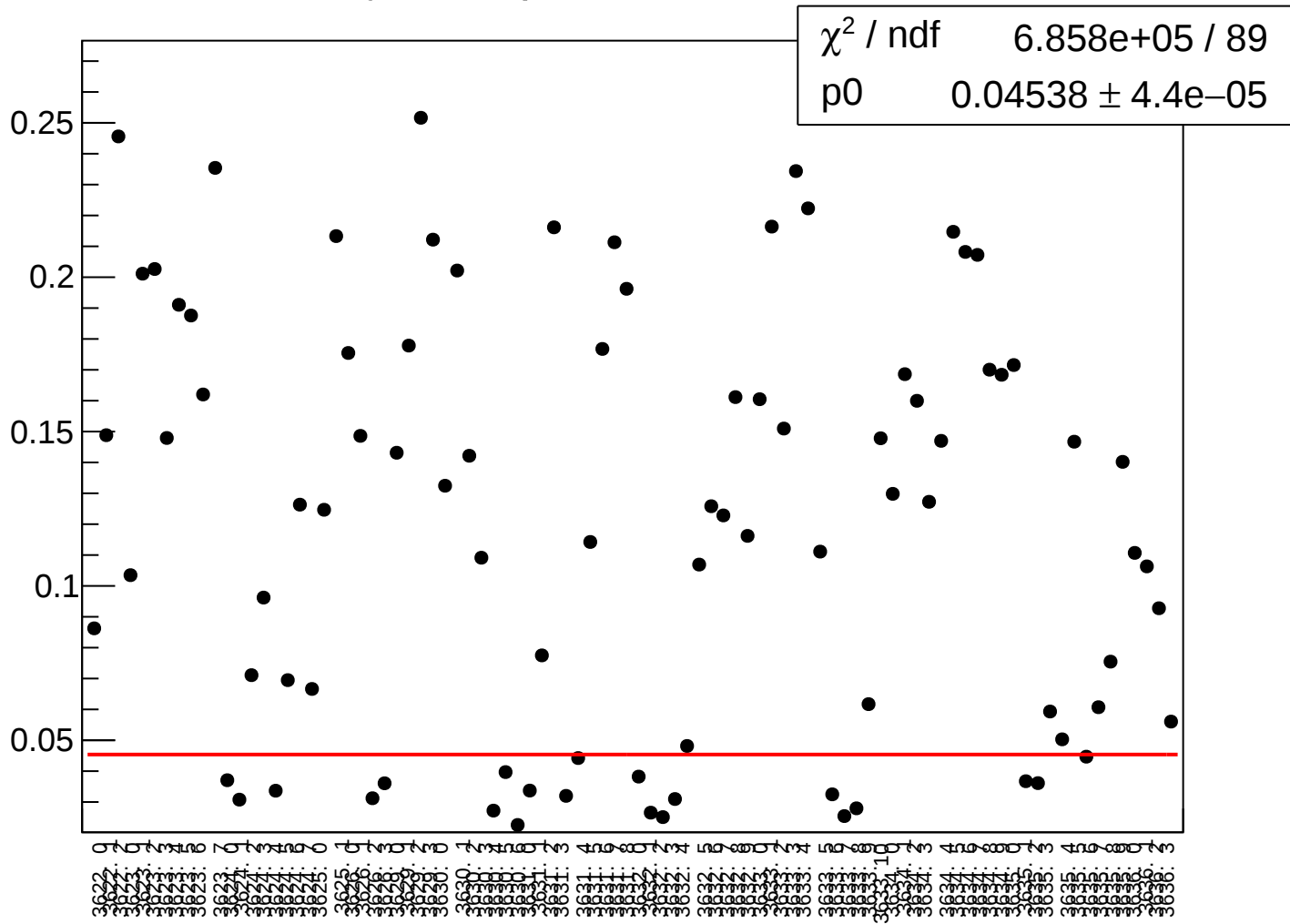
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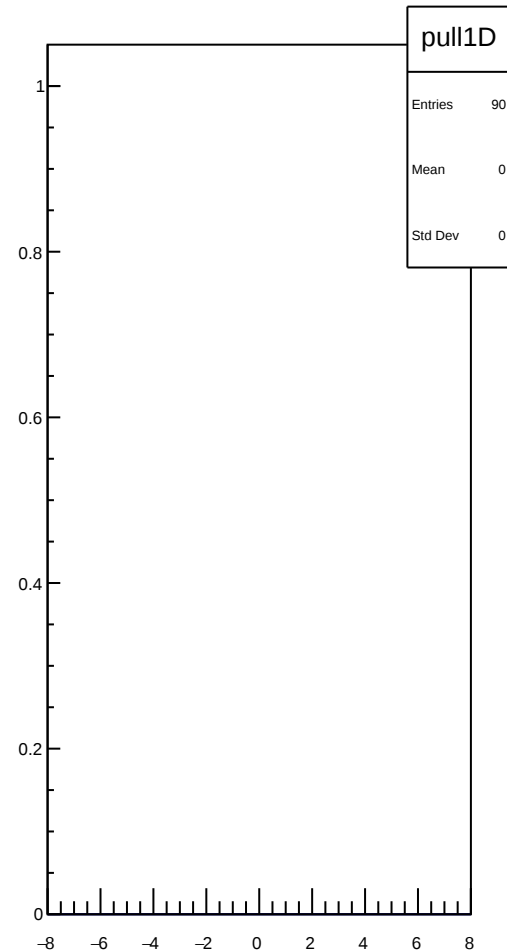
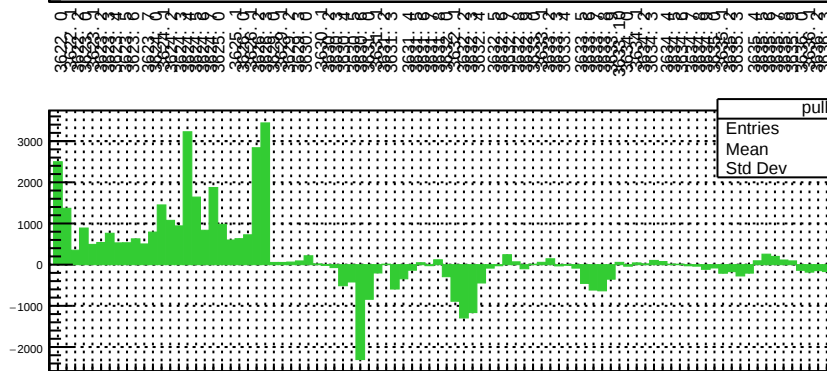
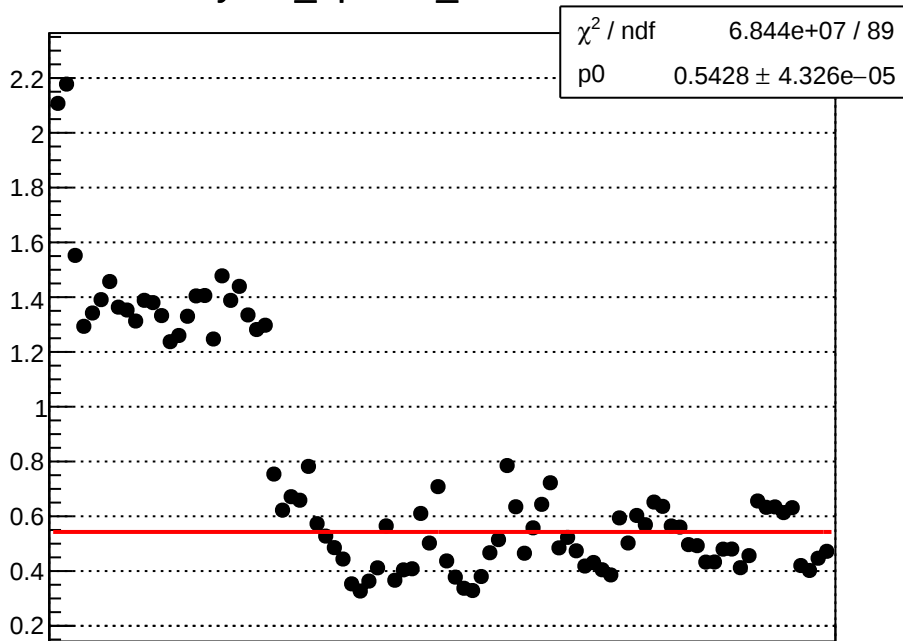
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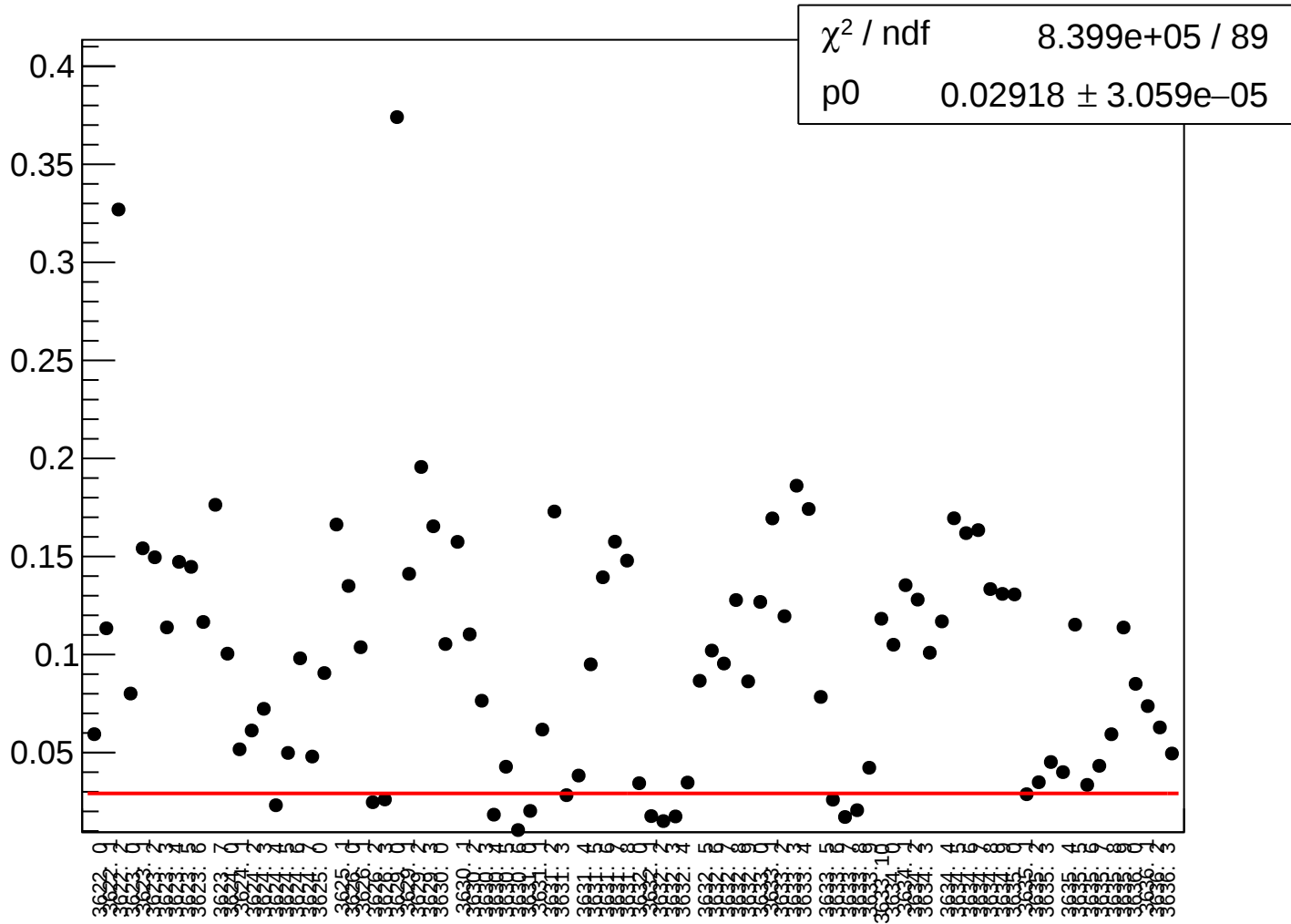
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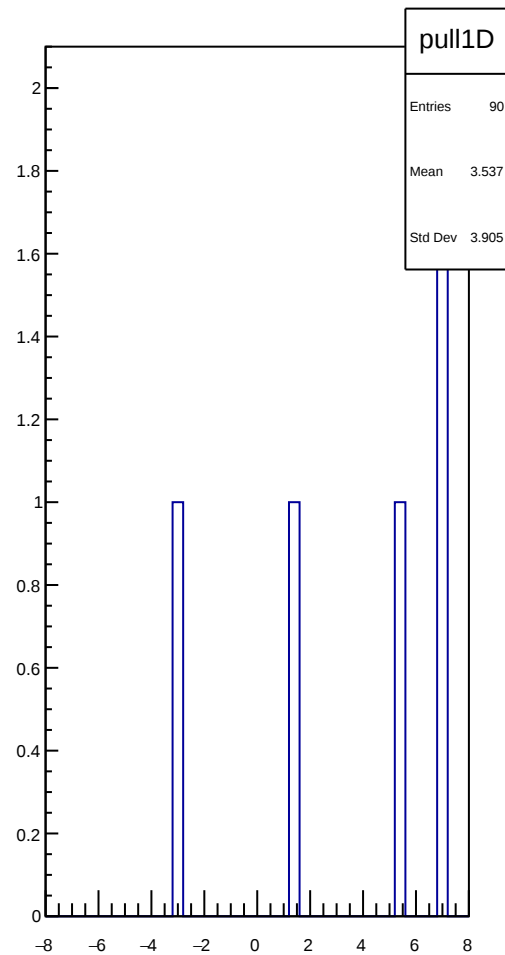
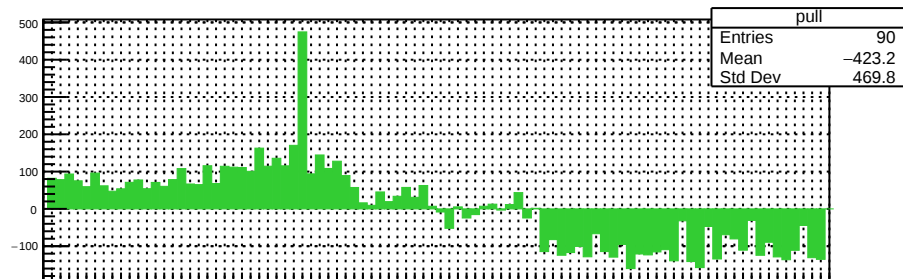
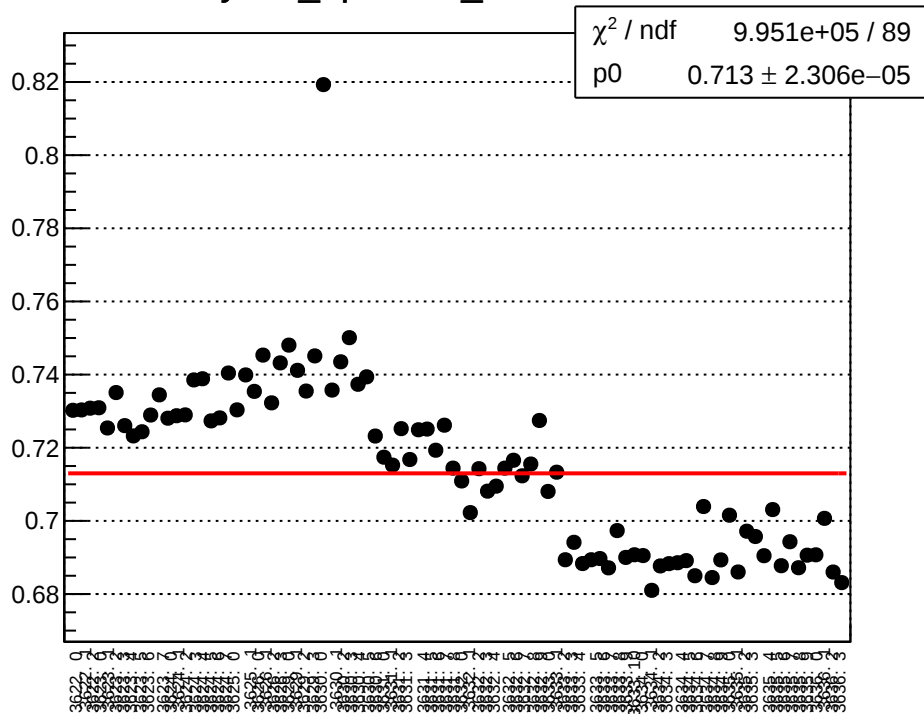
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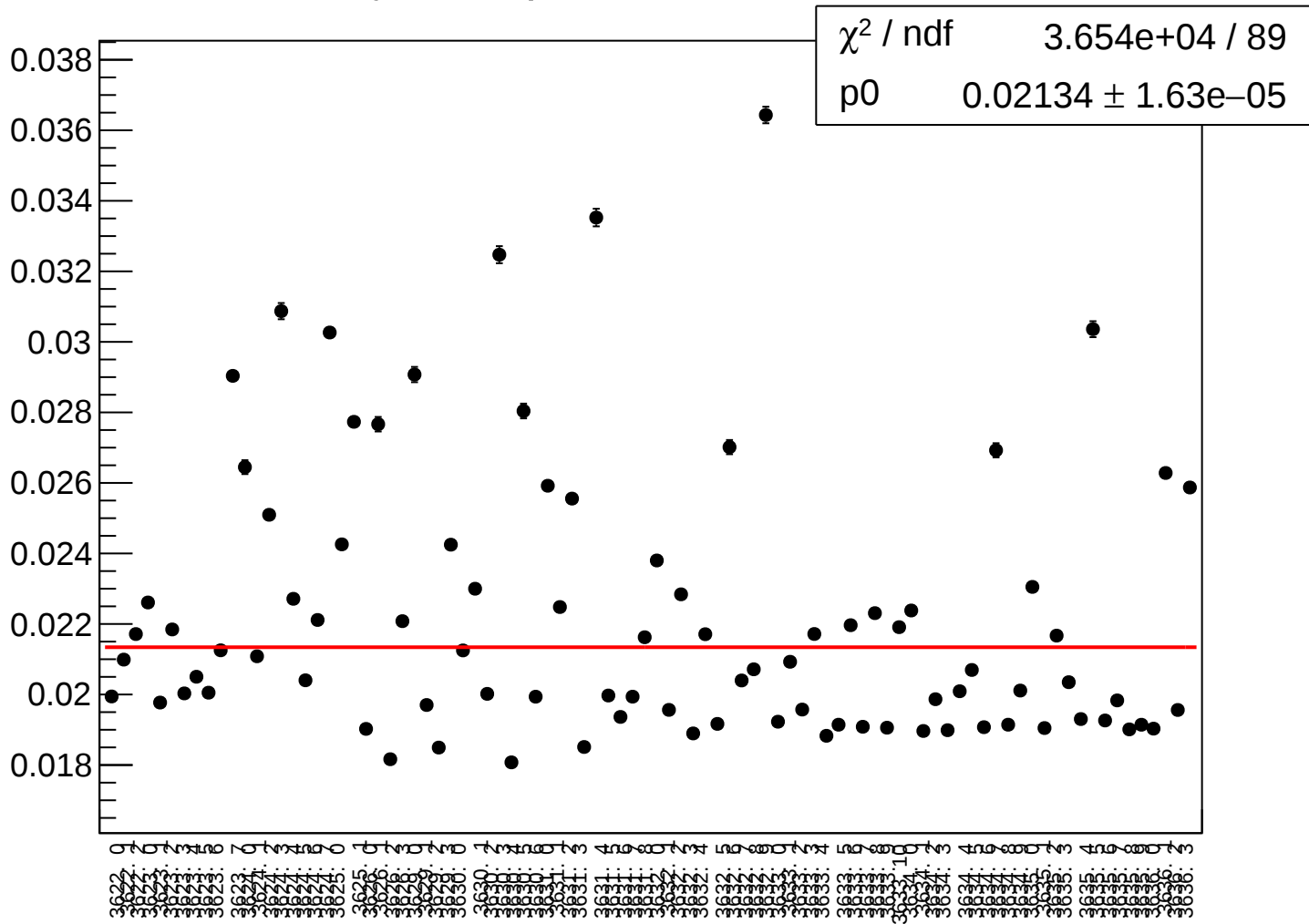
yield_bpm1Y_rms vs run



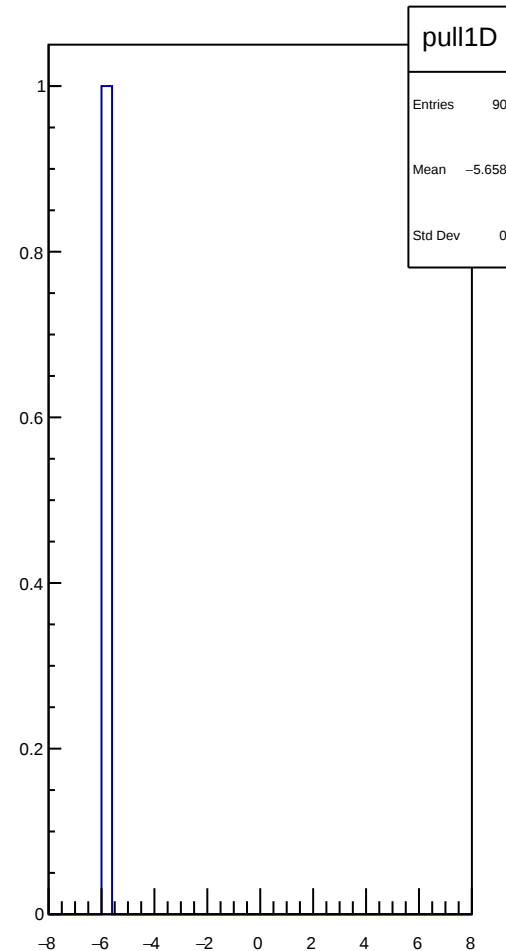
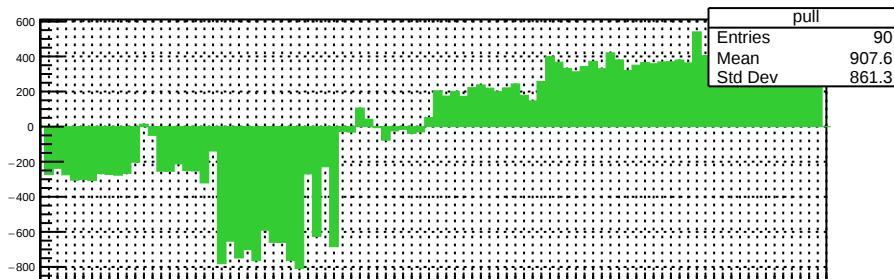
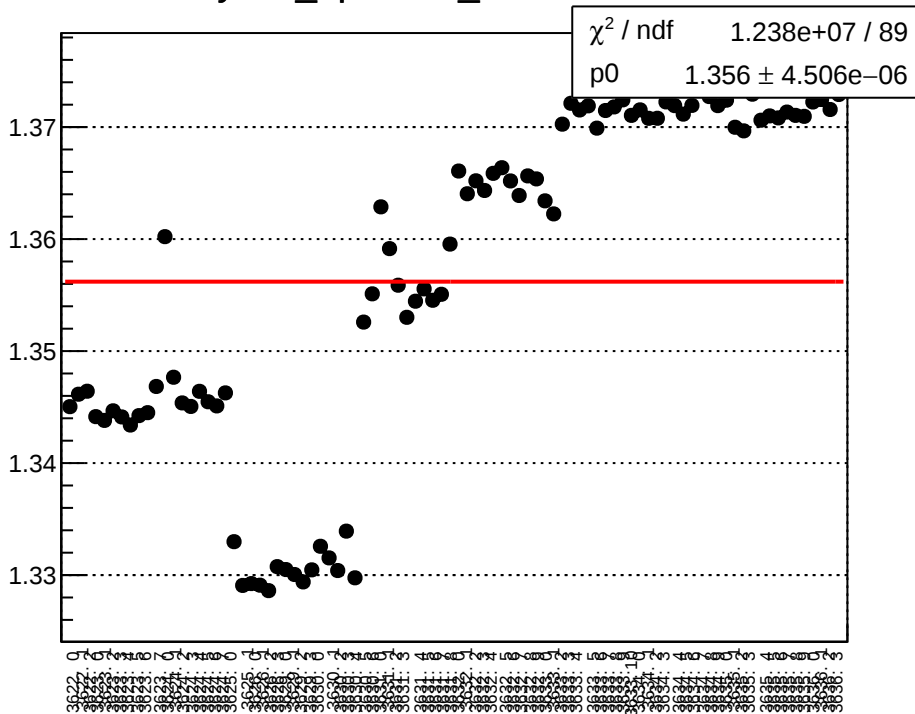
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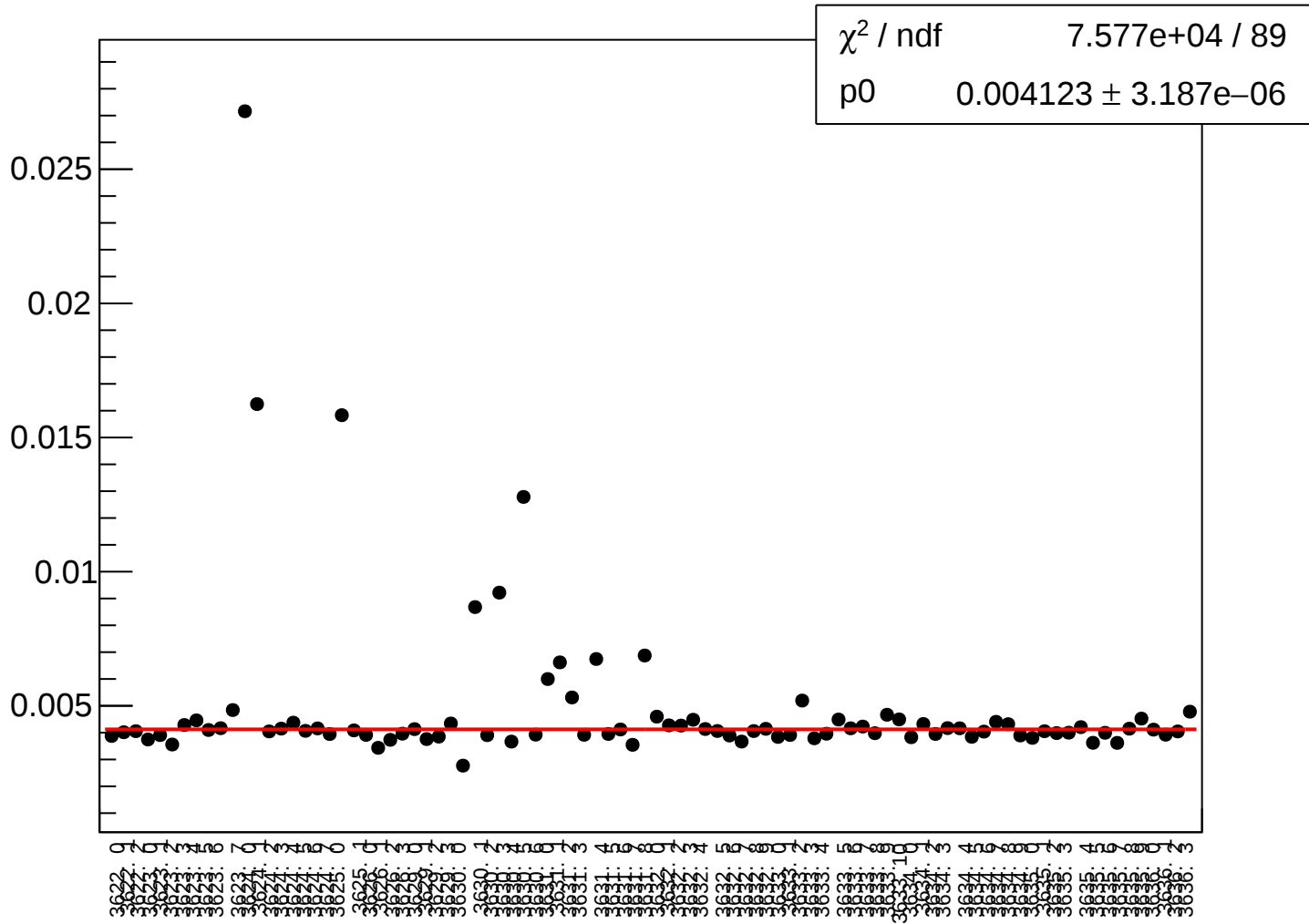
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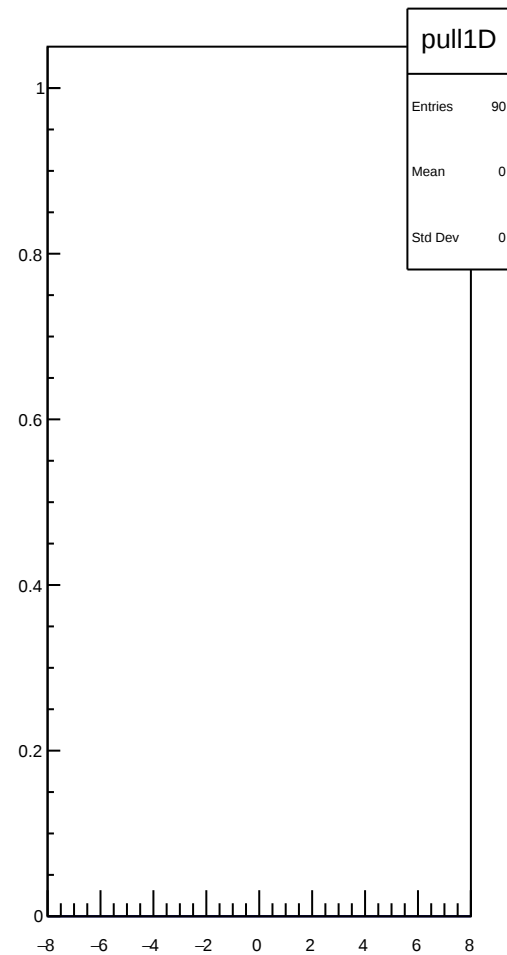
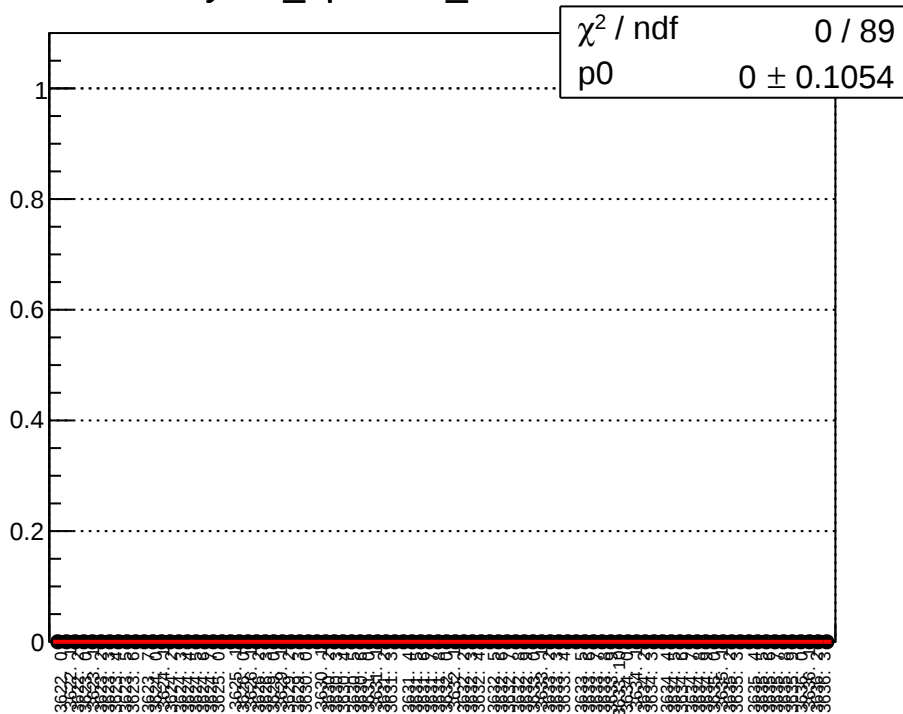
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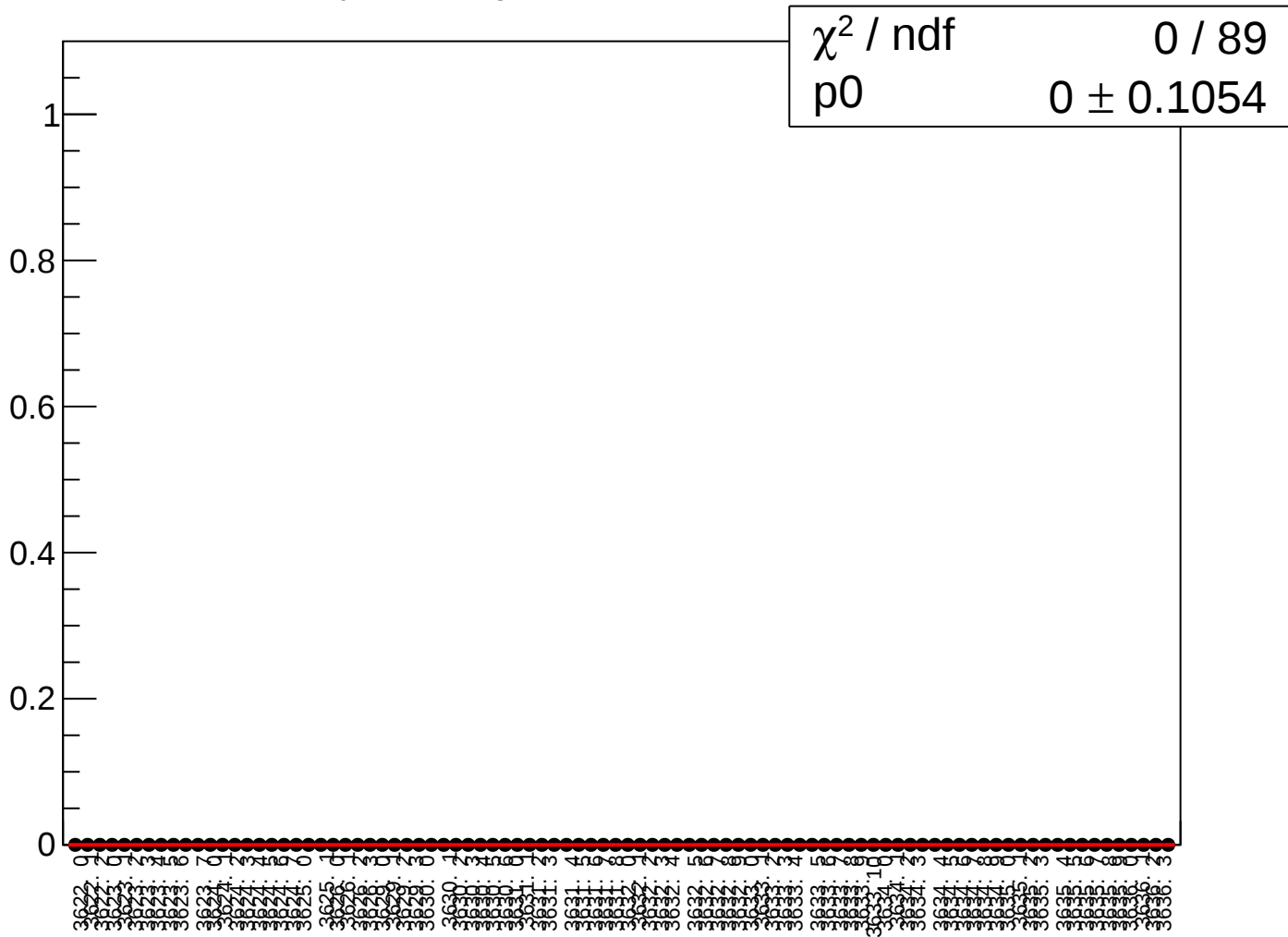
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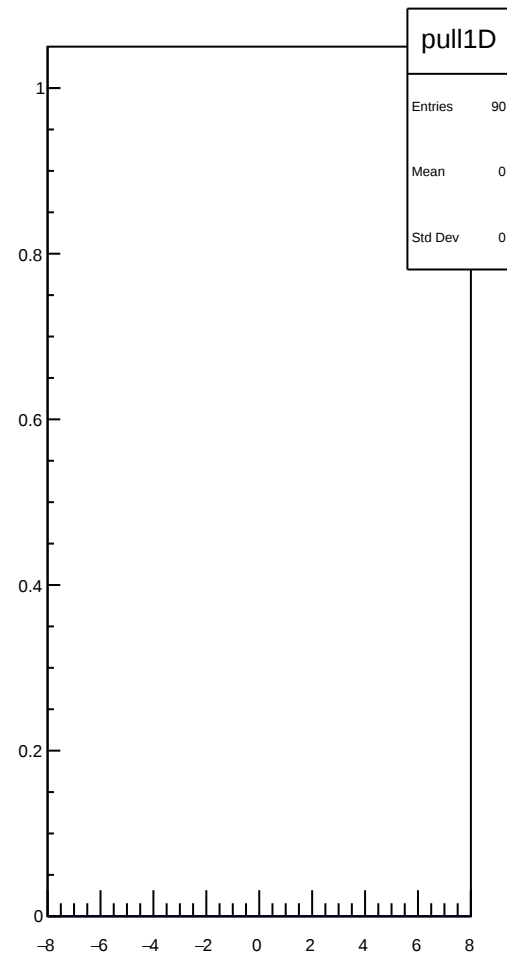
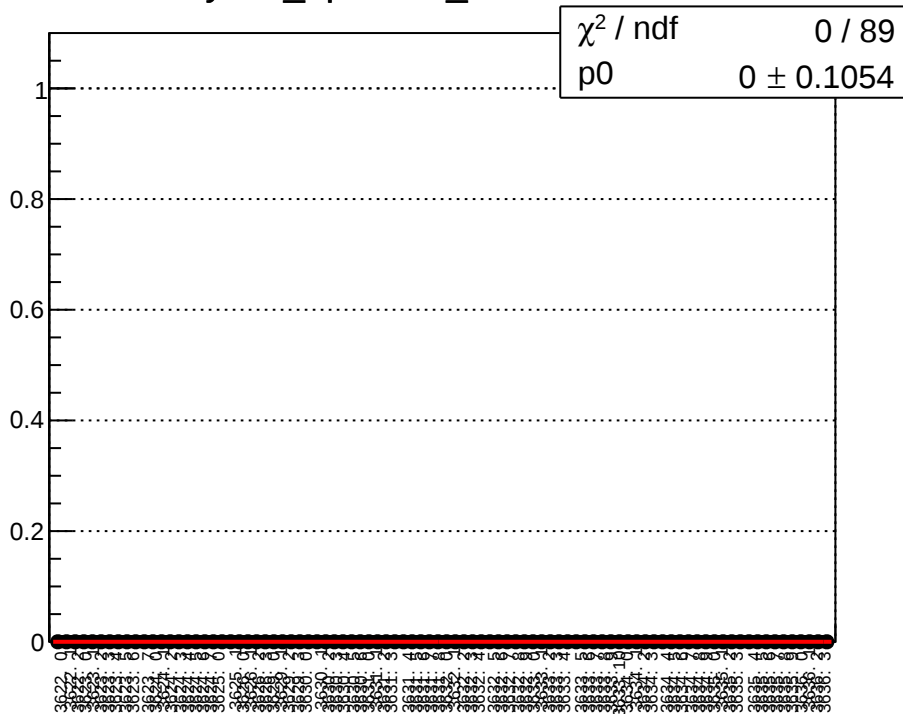
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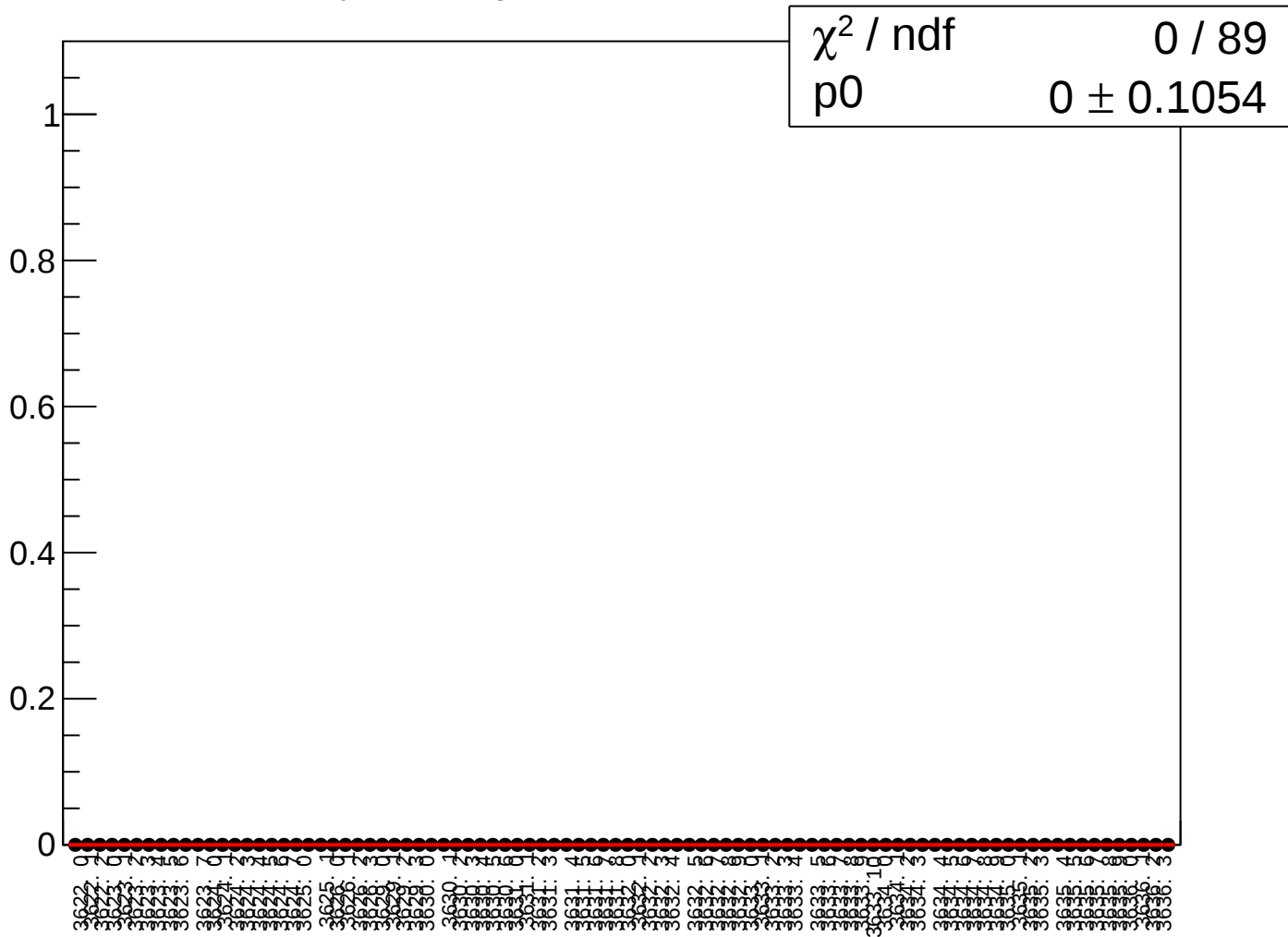
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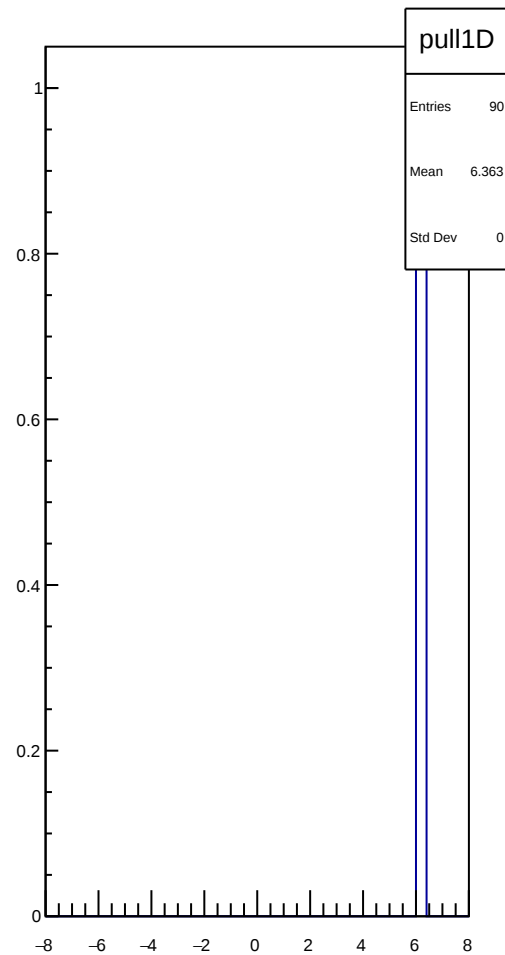
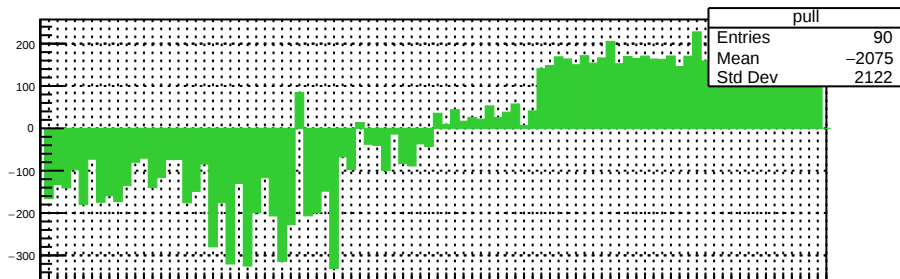
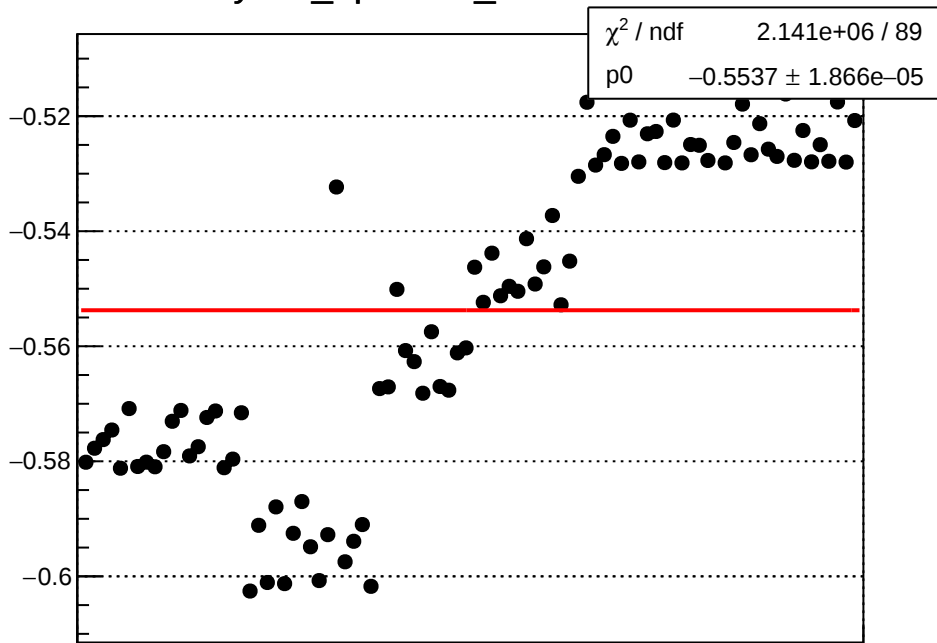
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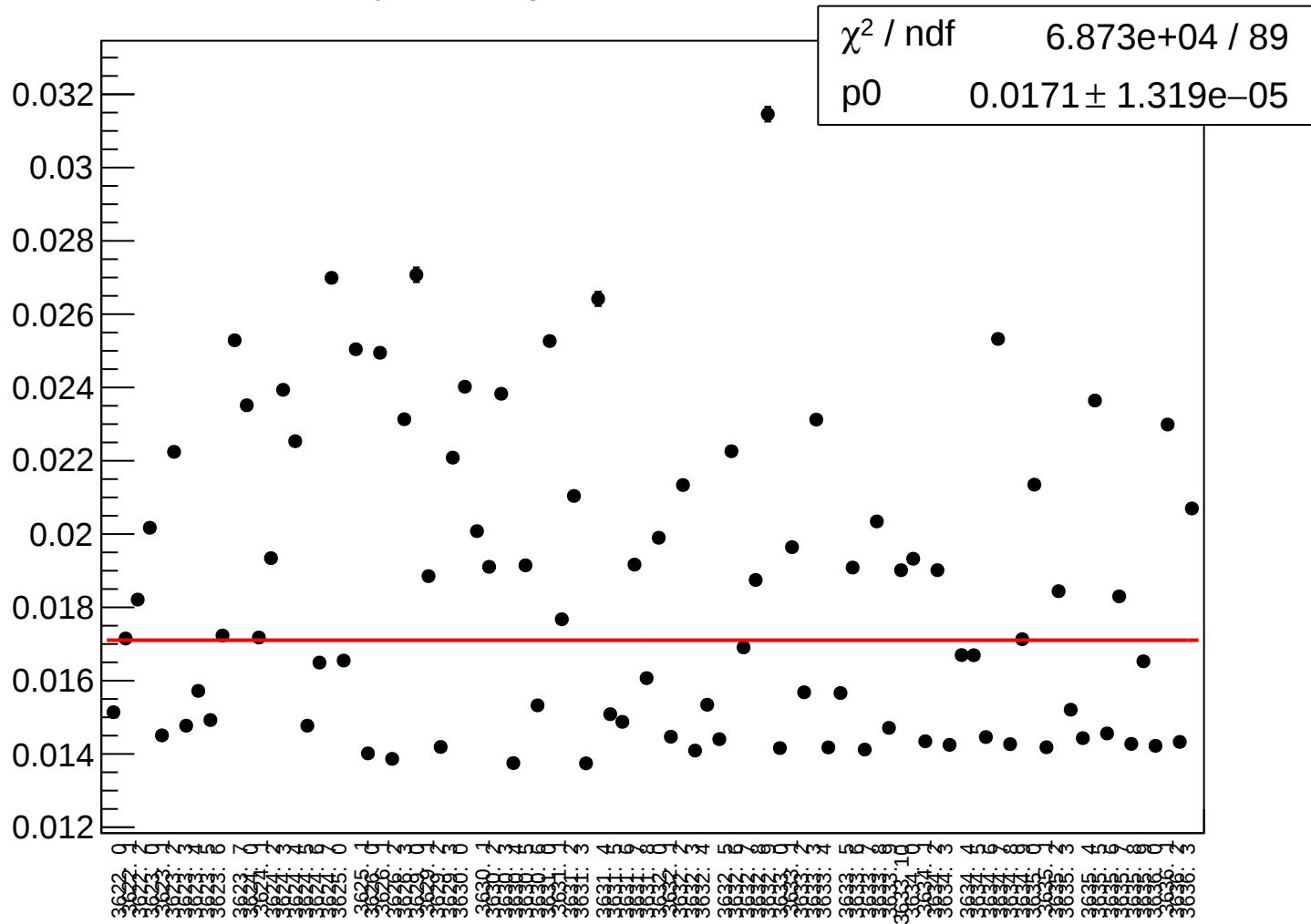
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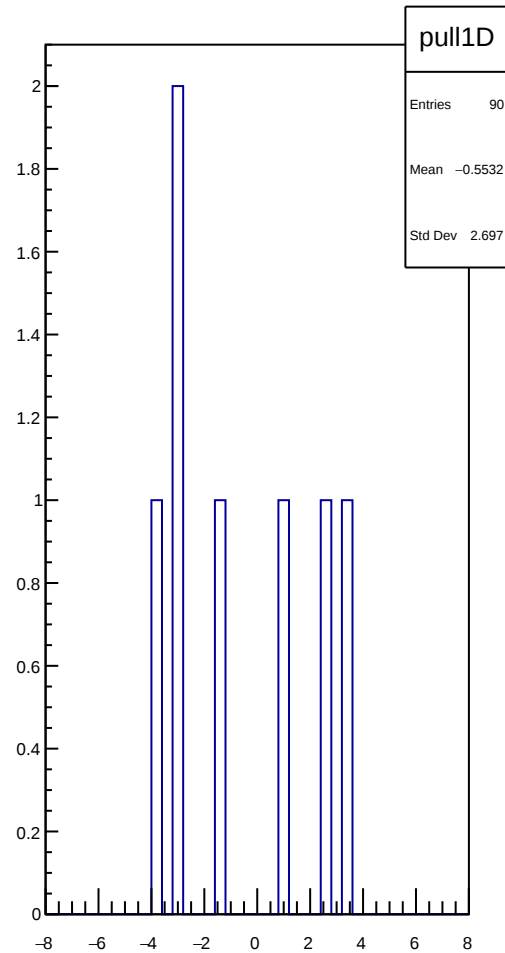
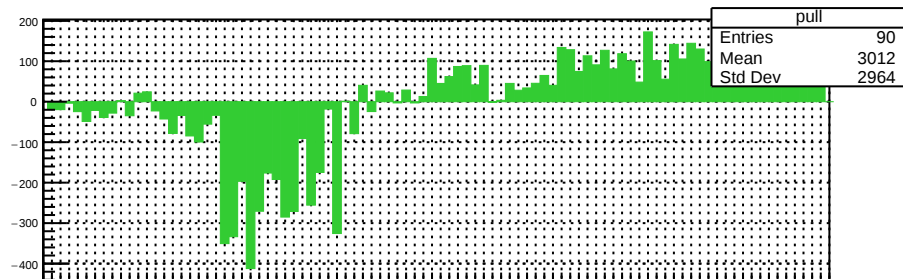
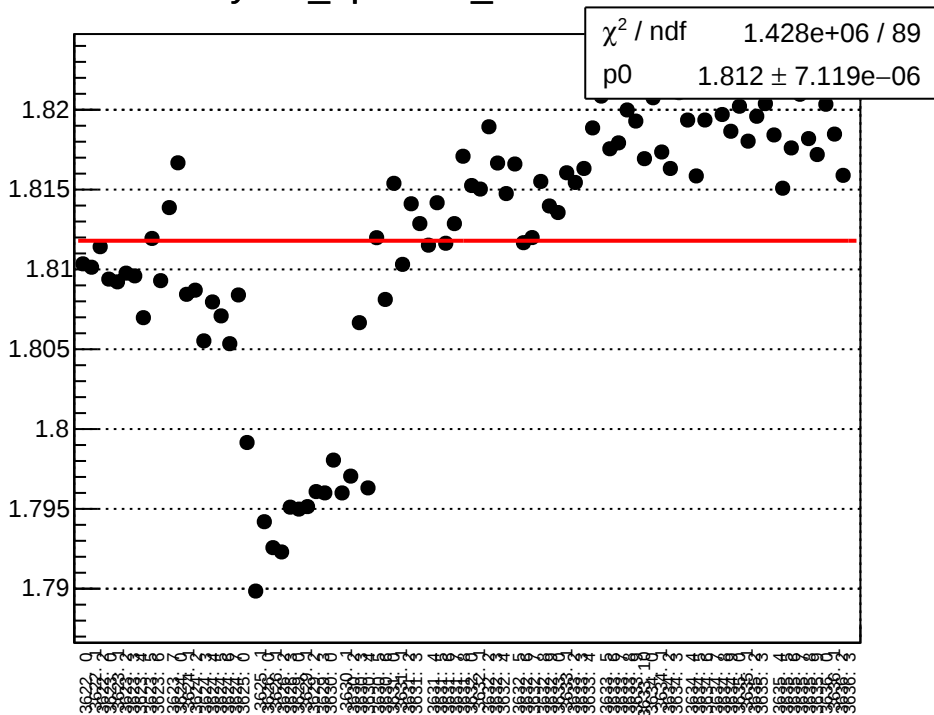
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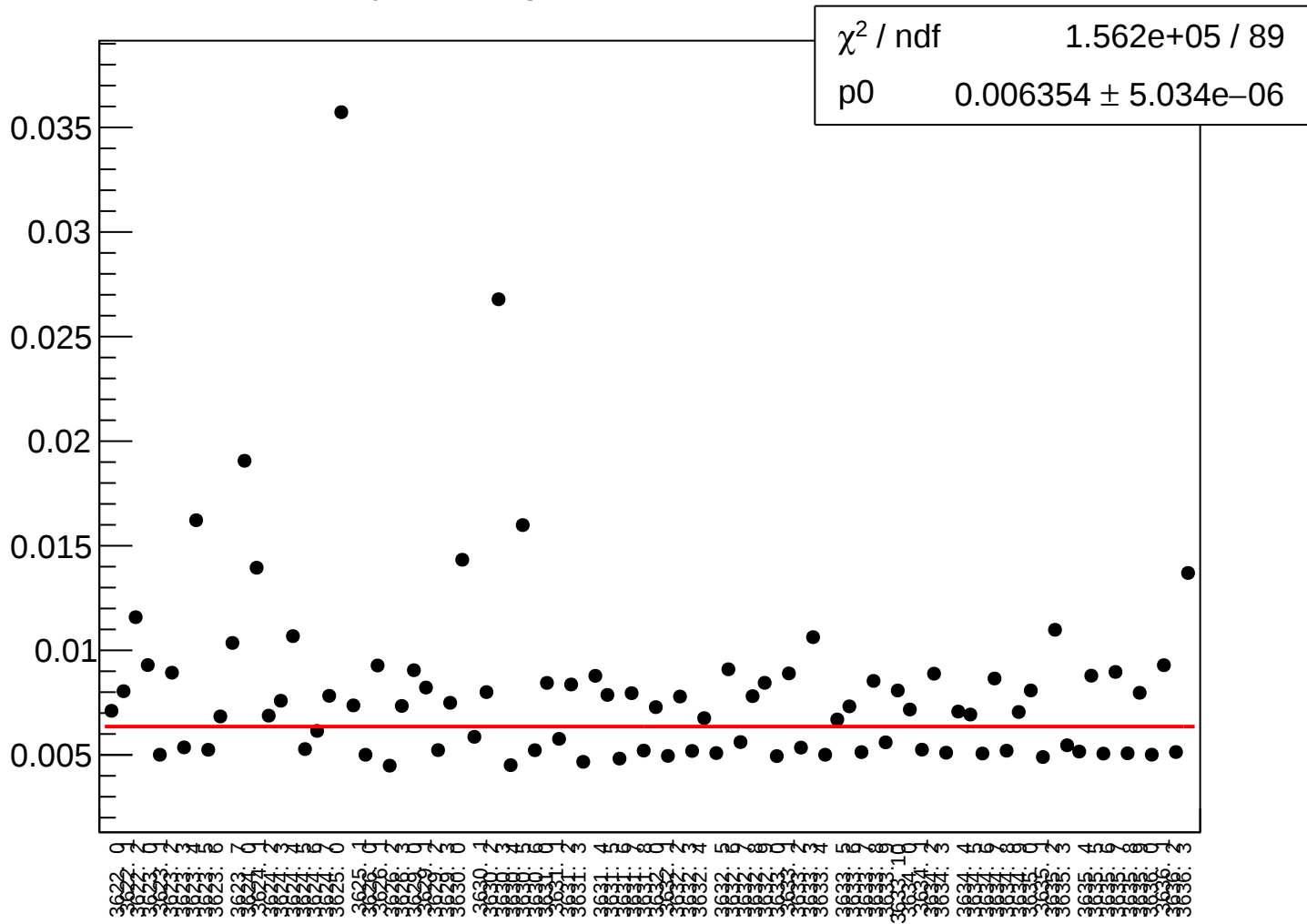
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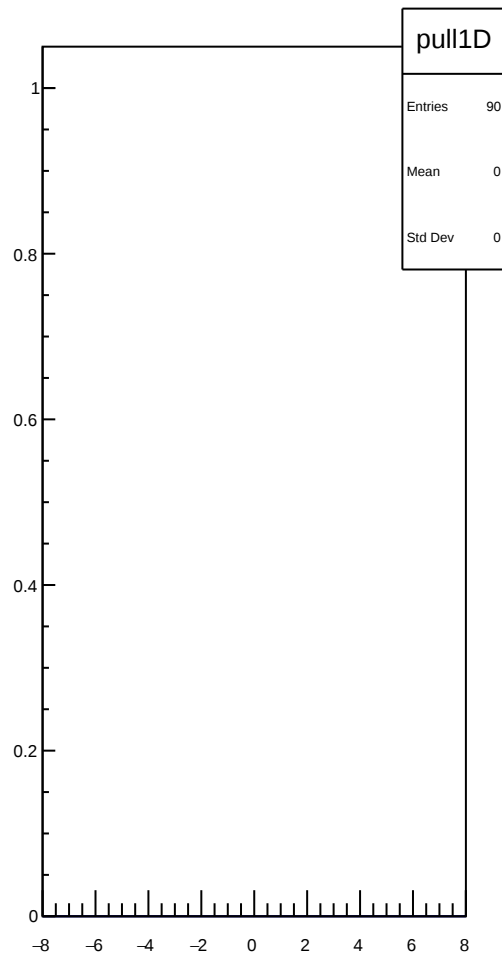
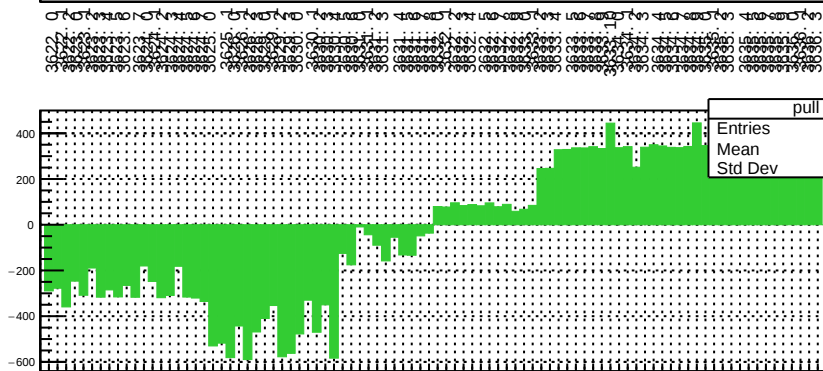
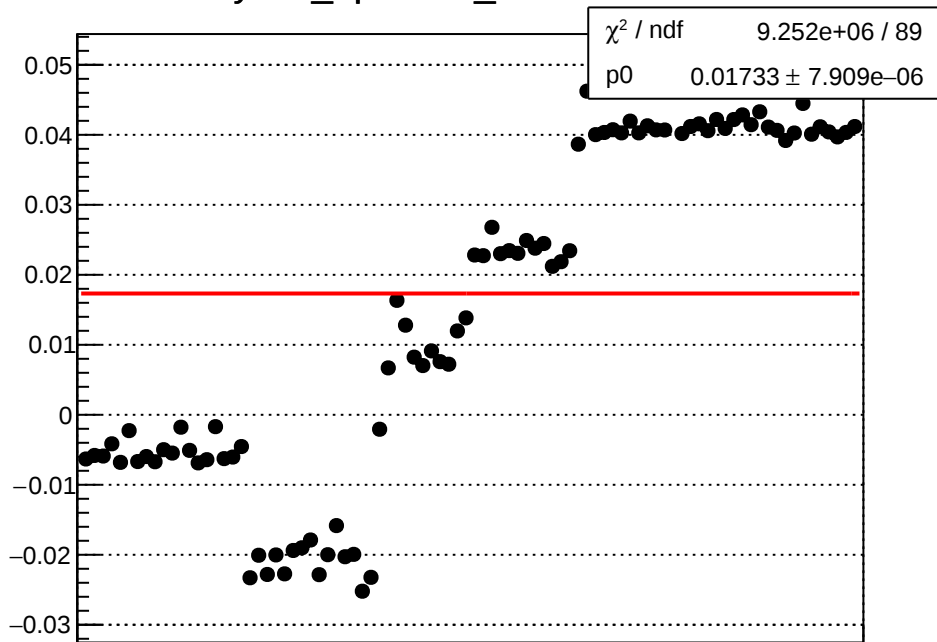
yield_bpm12Y_mean vs run



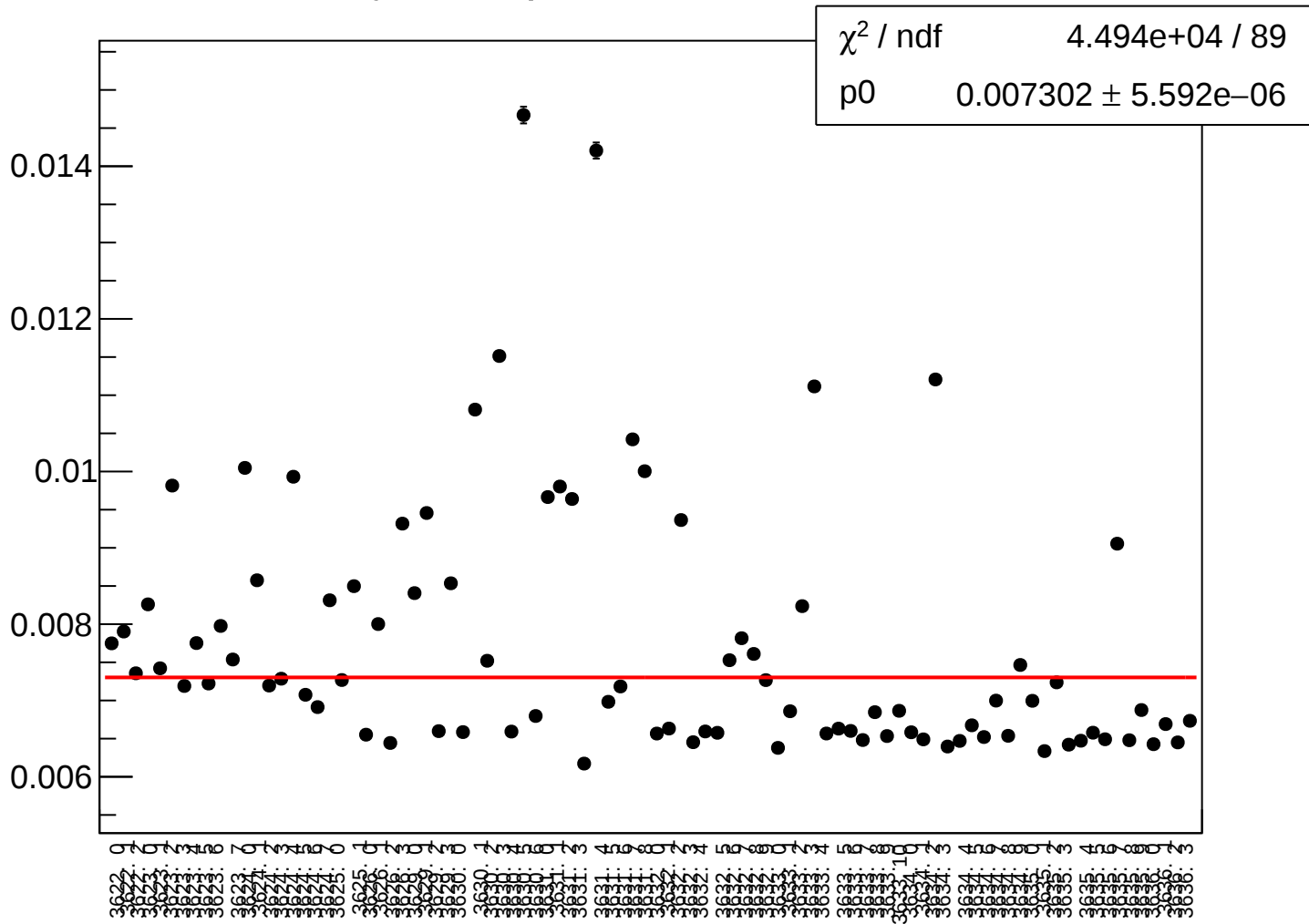
yield_bpm12Y_rms vs run



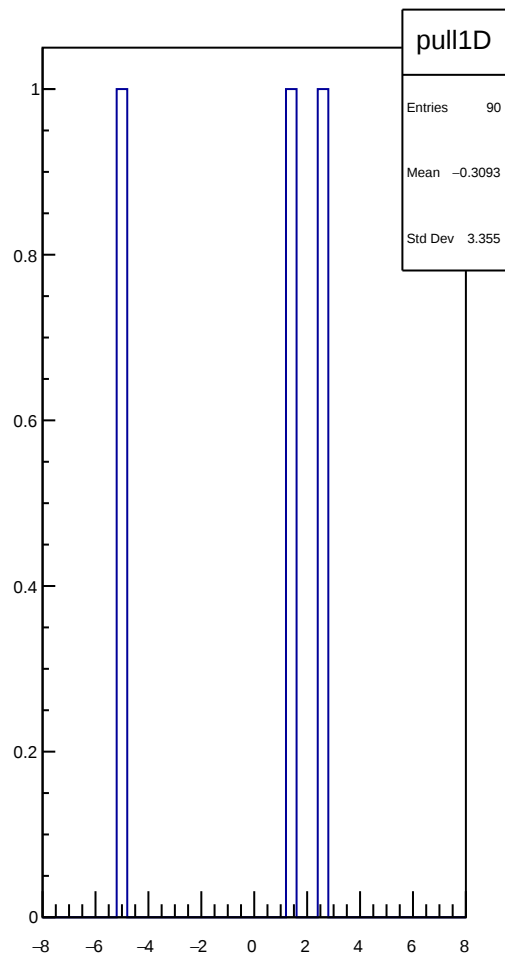
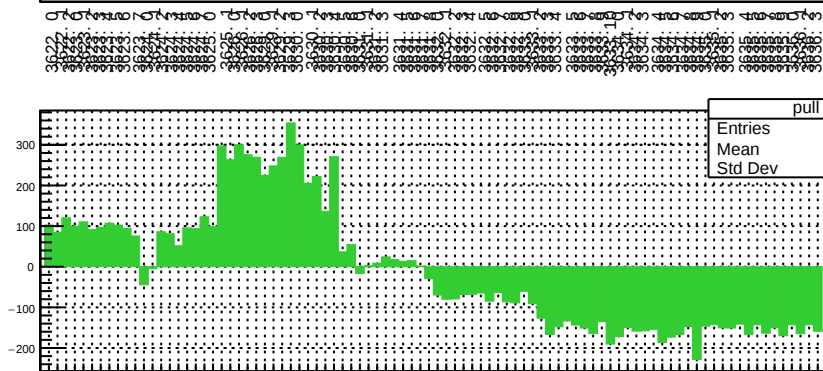
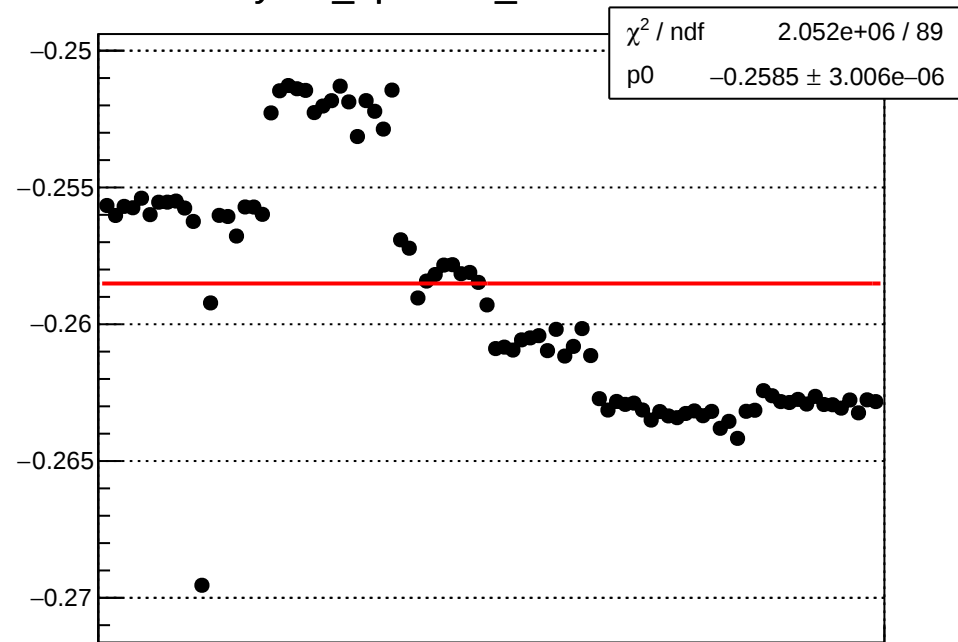
yield_bpm16X_mean vs run



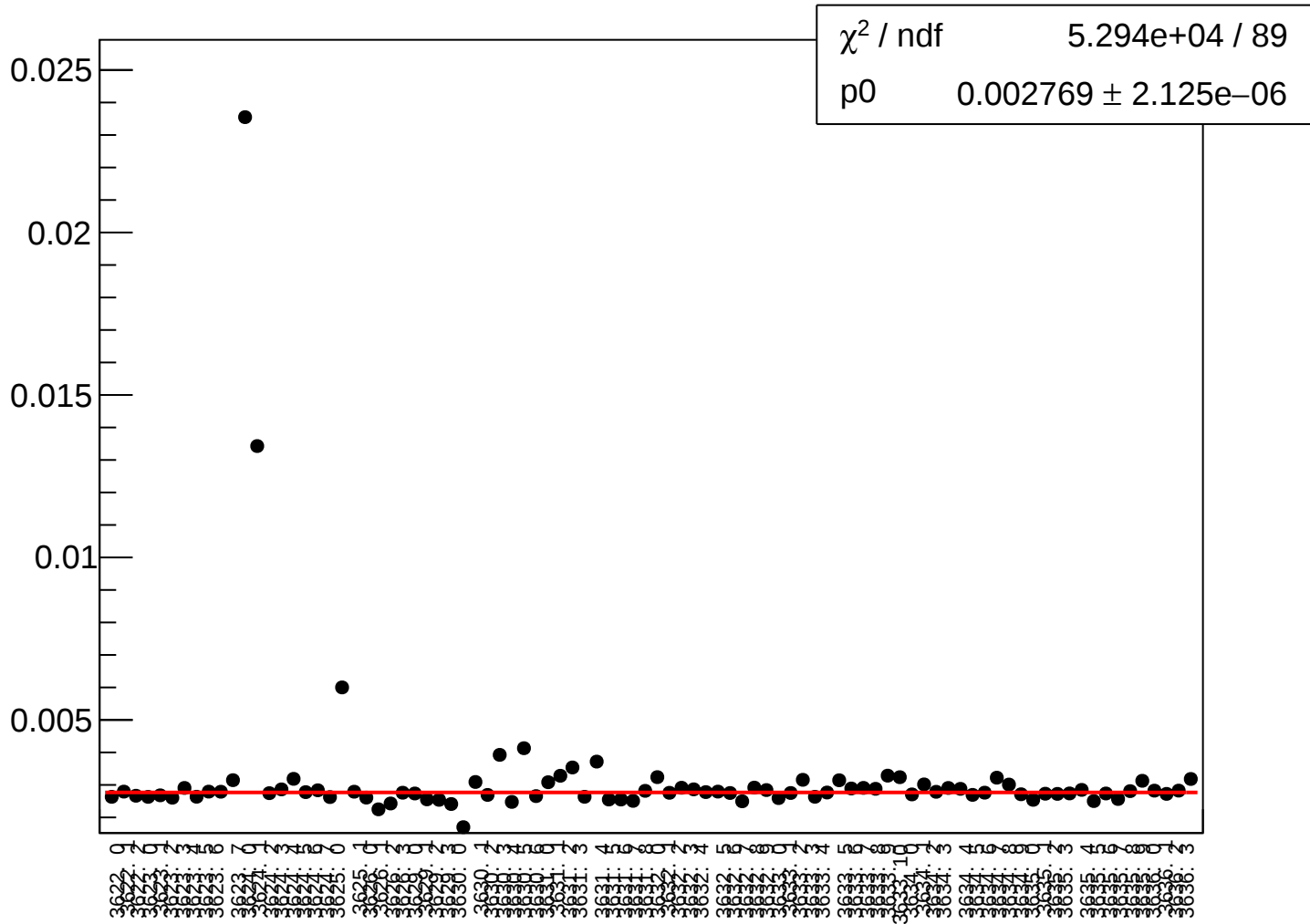
yield_bpm16X_rms vs run



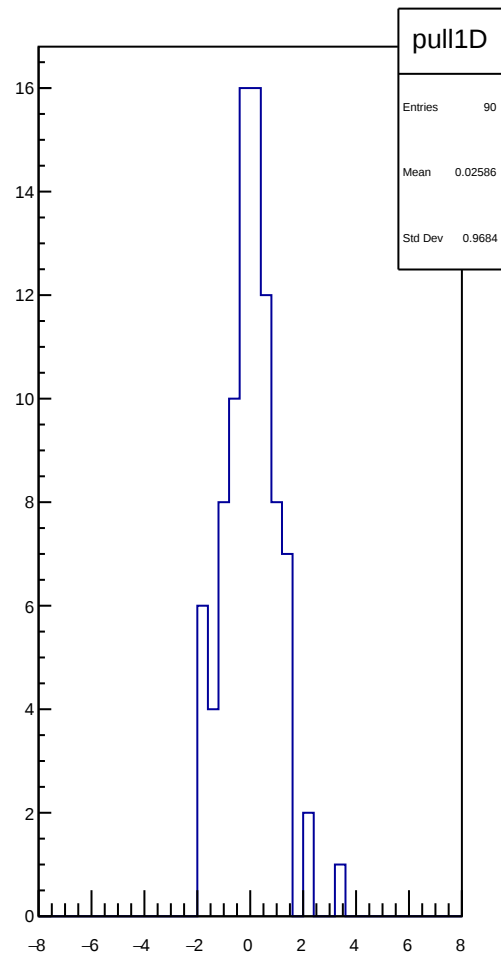
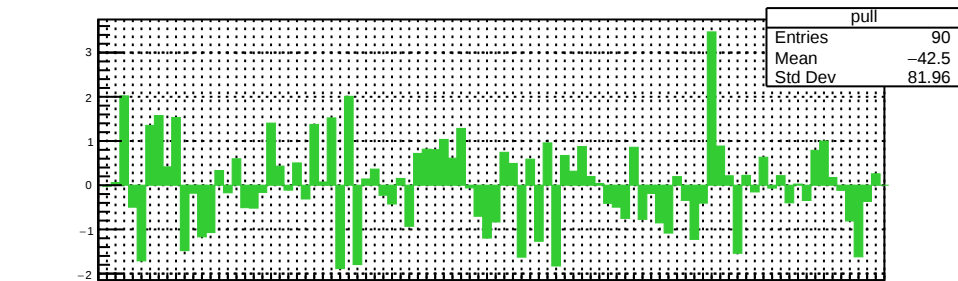
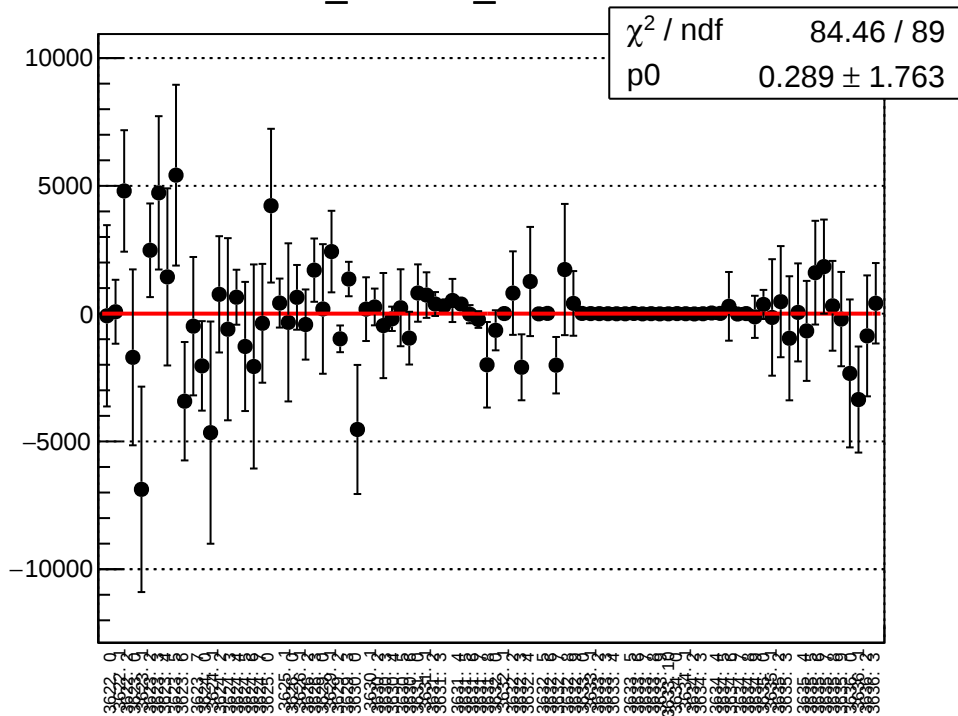
yield_bpm16Y_mean vs run



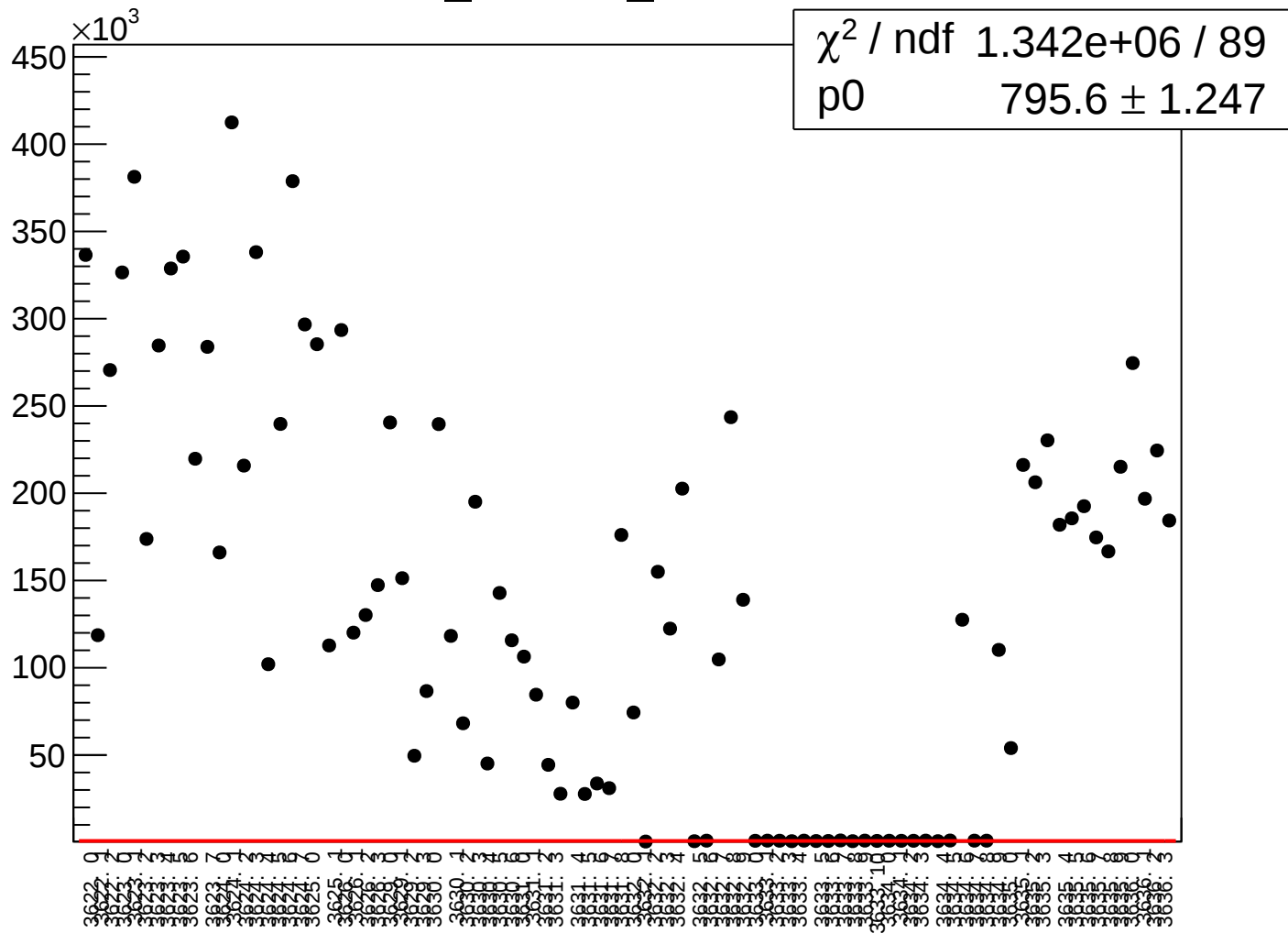
yield_bpm16Y_rms vs run



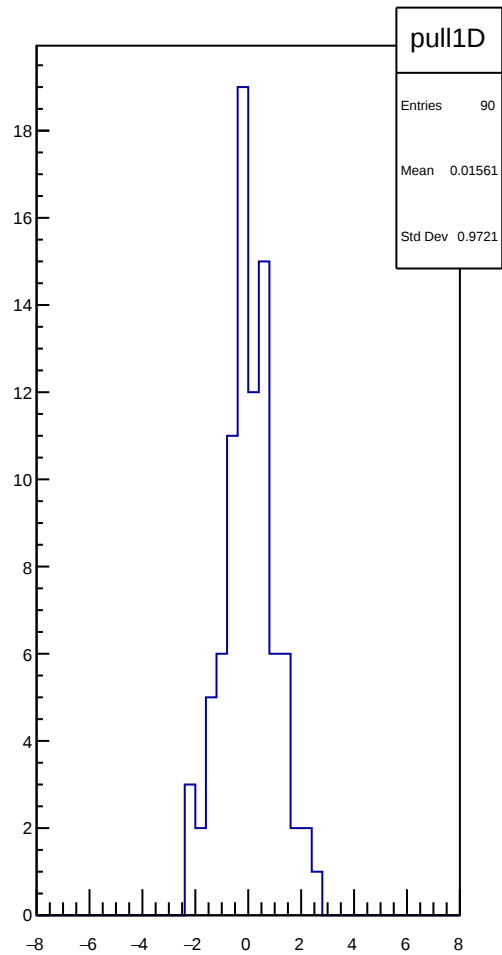
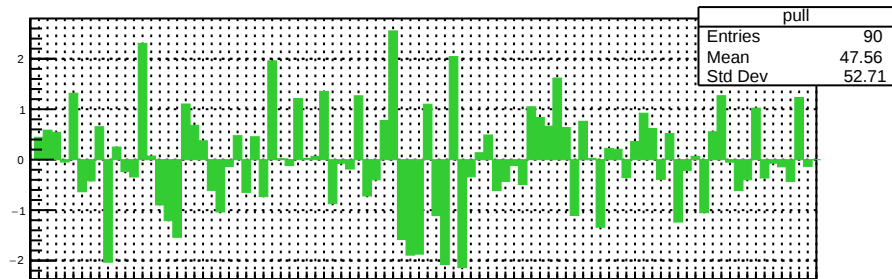
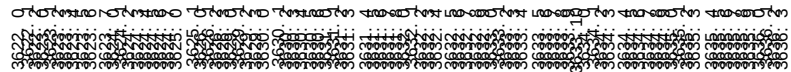
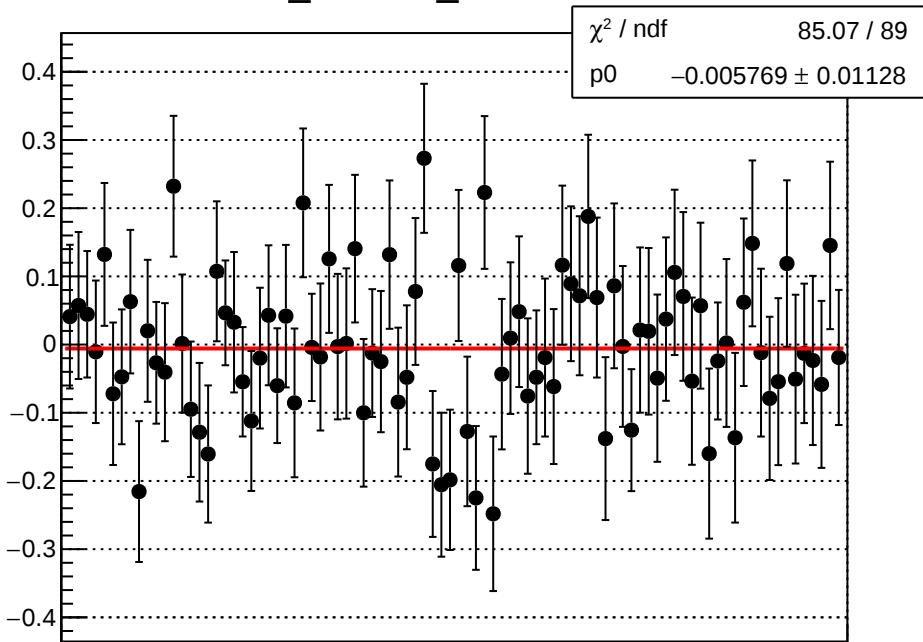
diff_cav4bX_mean vs run



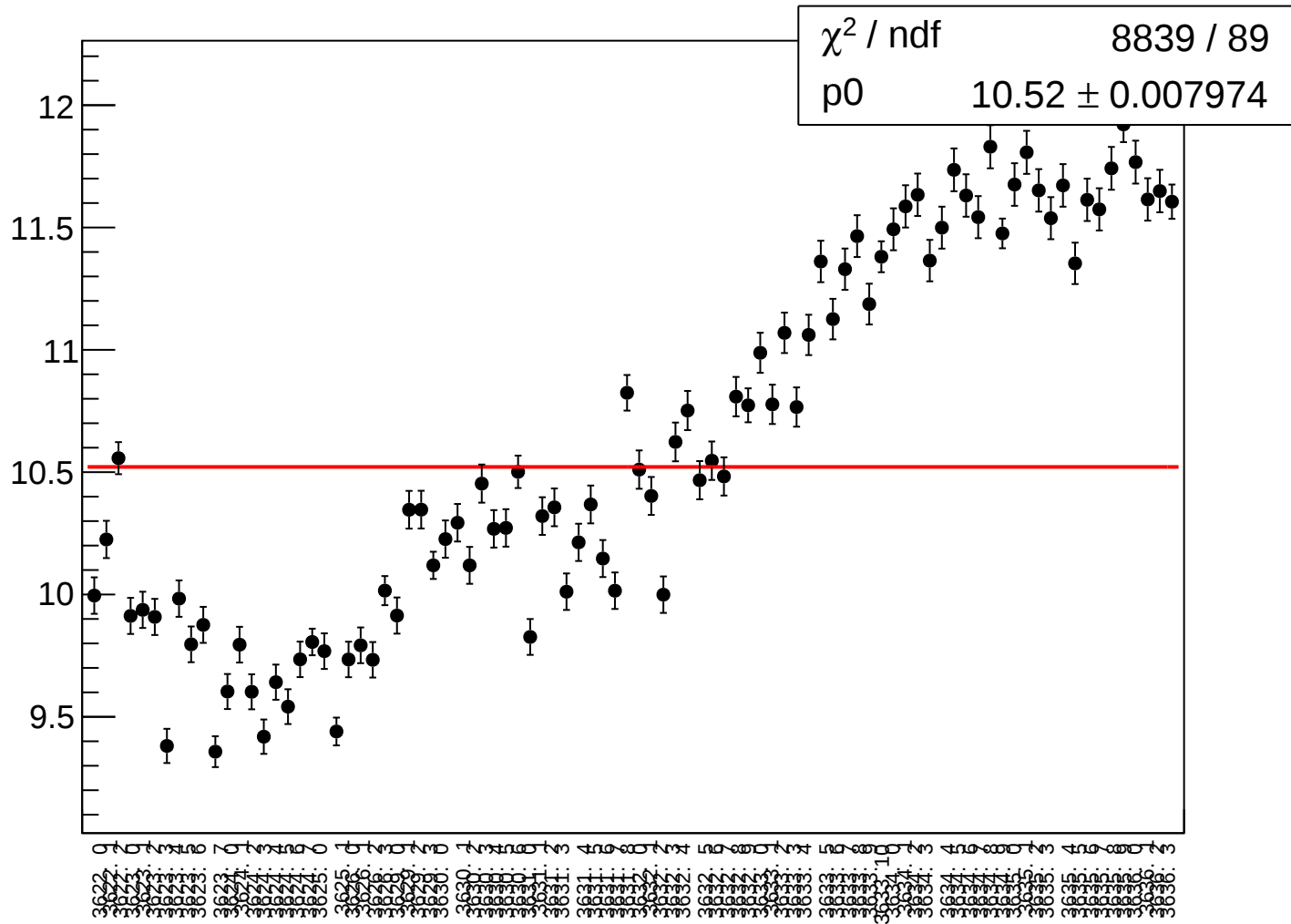
diff_cav4bX_rms vs run



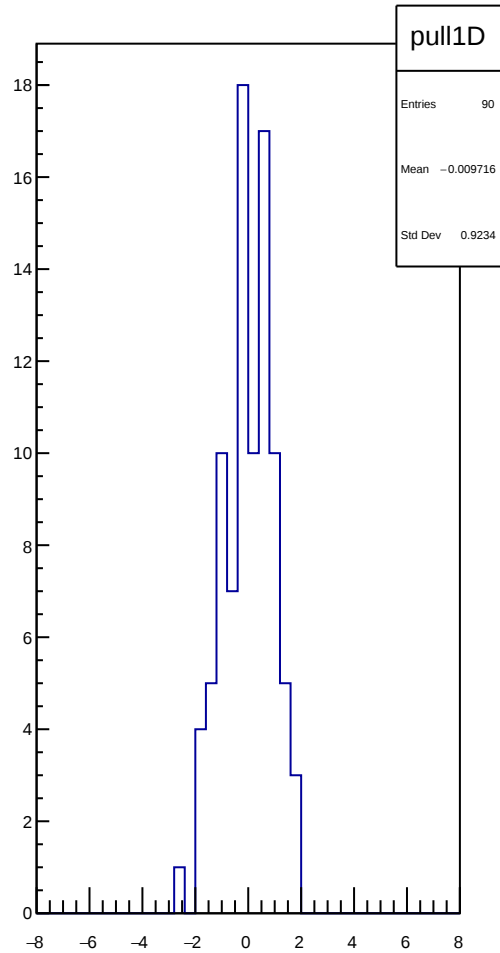
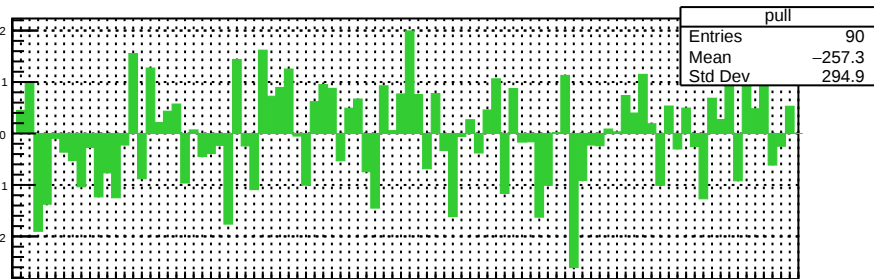
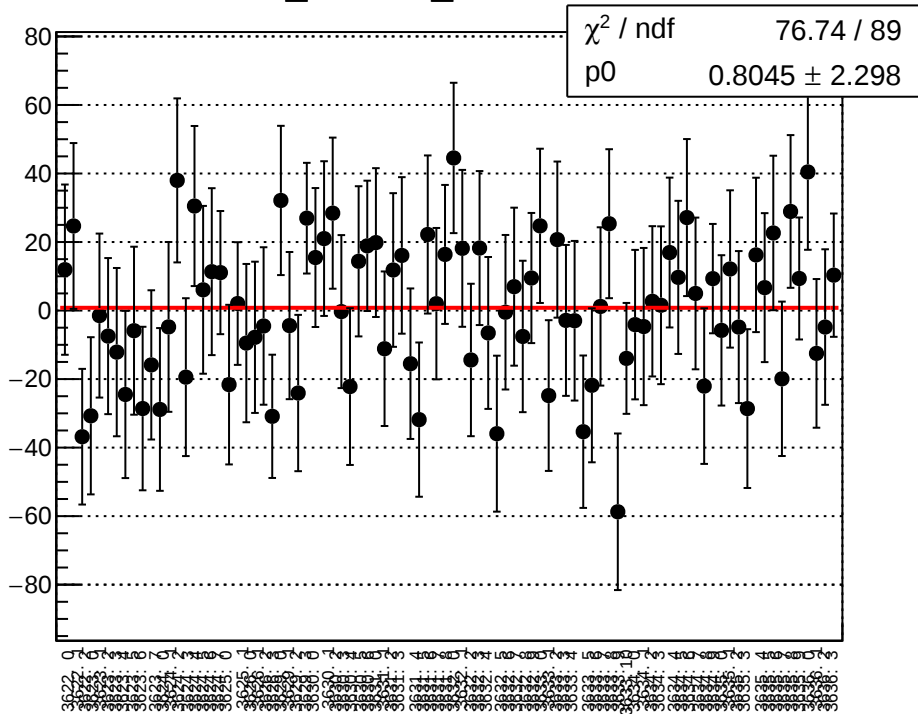
diff_cav4bY_mean vs run



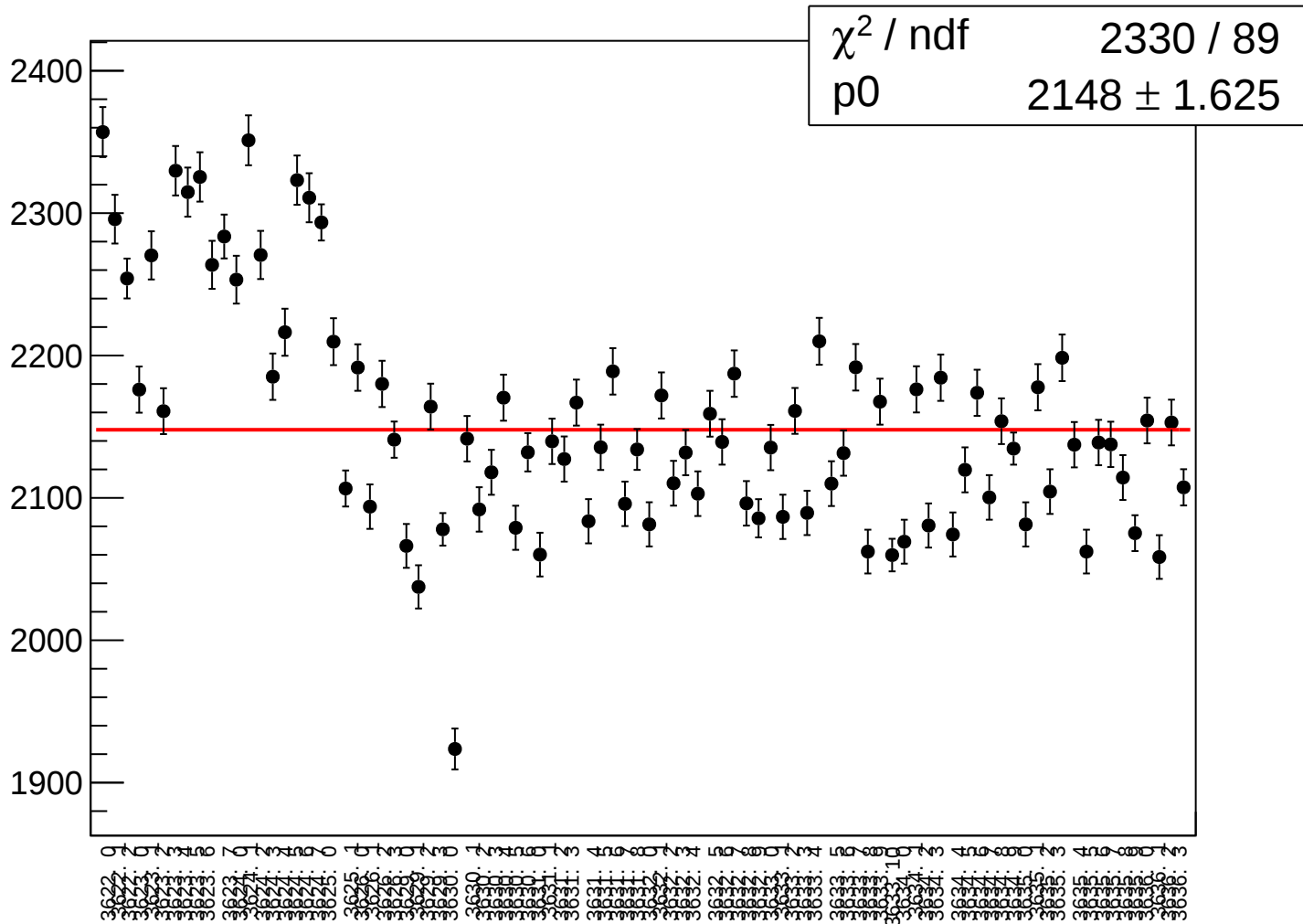
diff_cav4bY_rms vs run



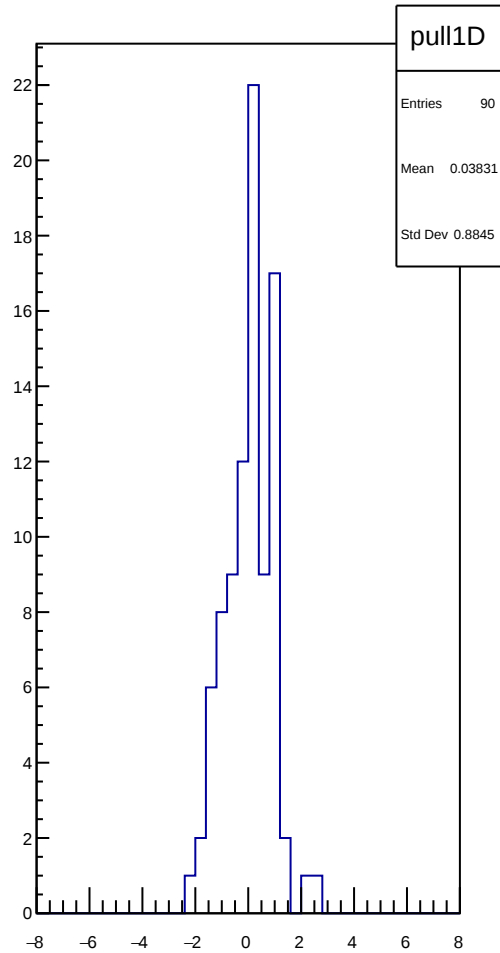
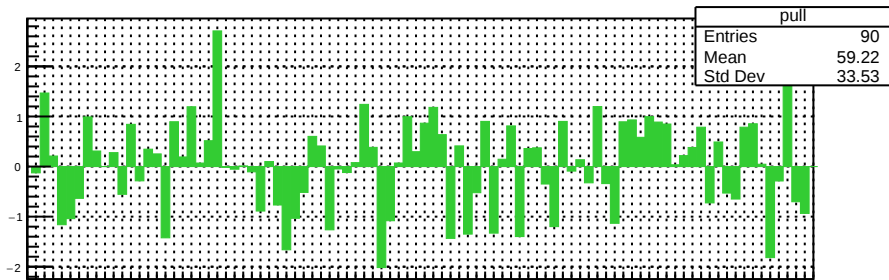
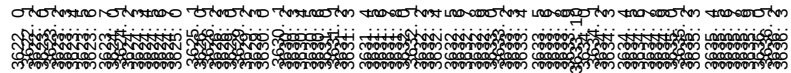
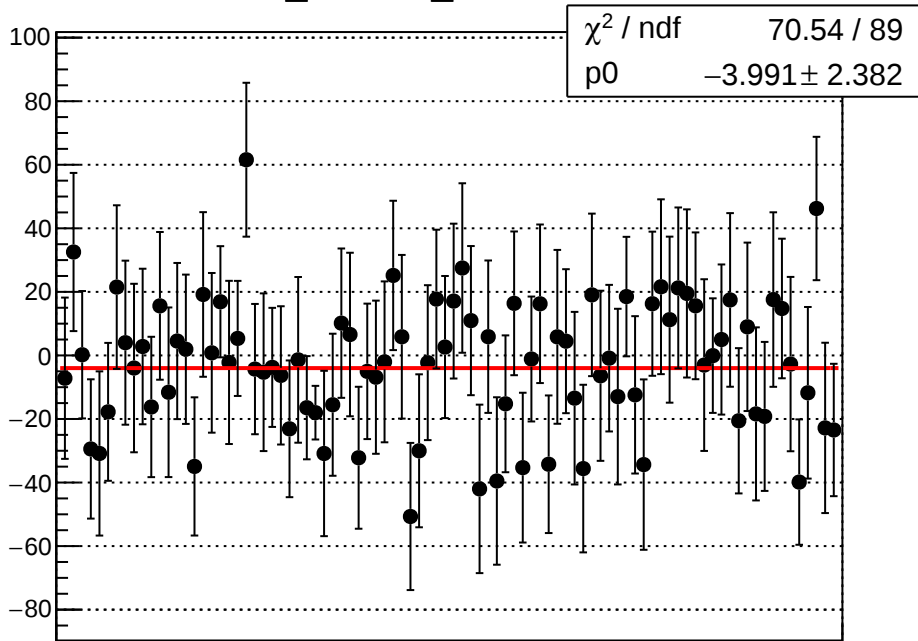
diff_cav4cX_mean vs run



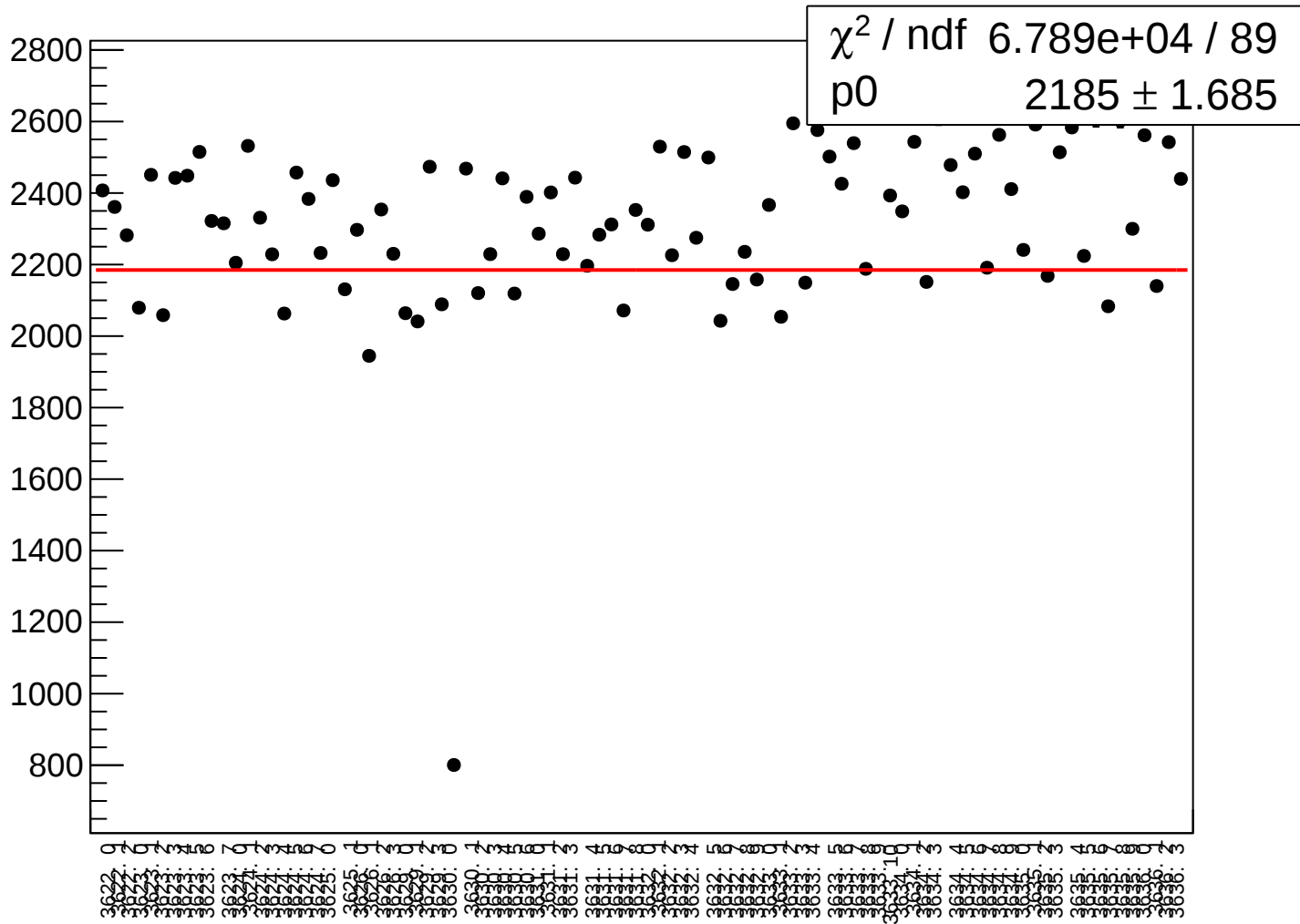
diff_cav4cX_rms vs run



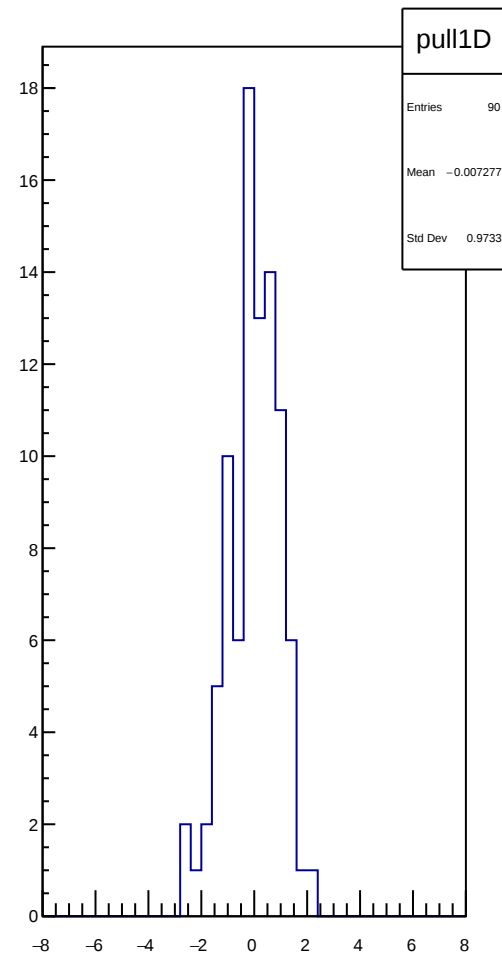
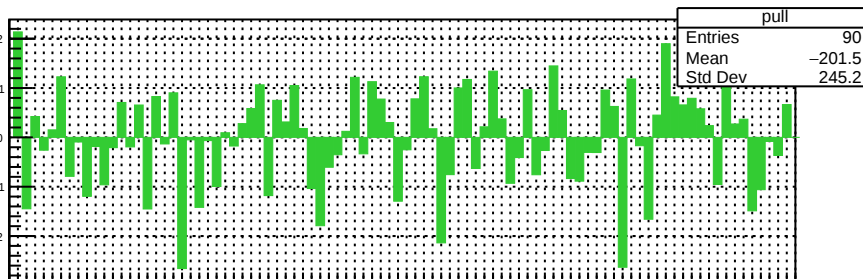
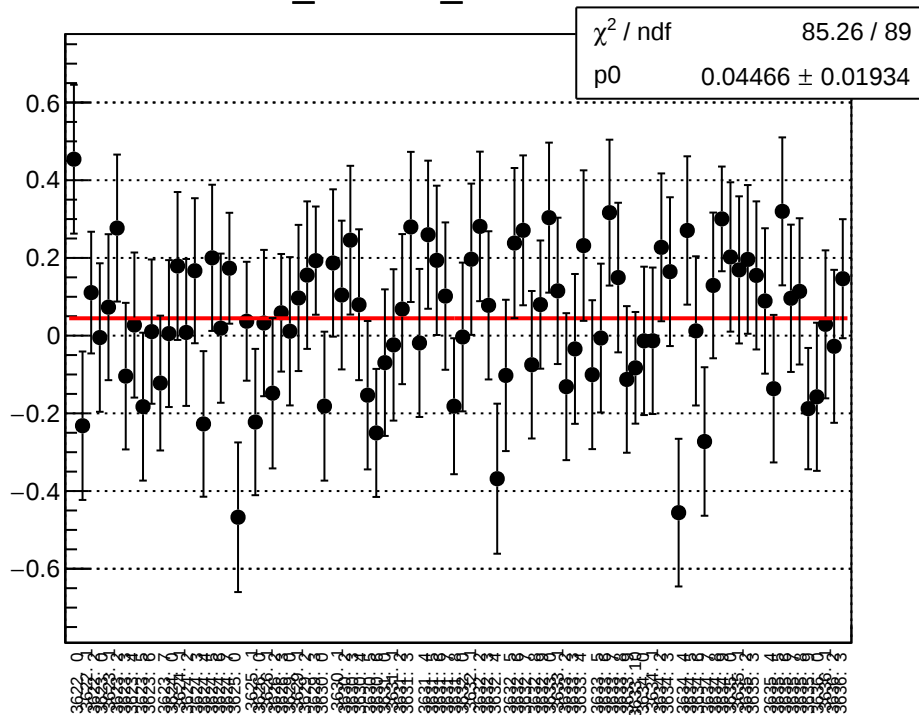
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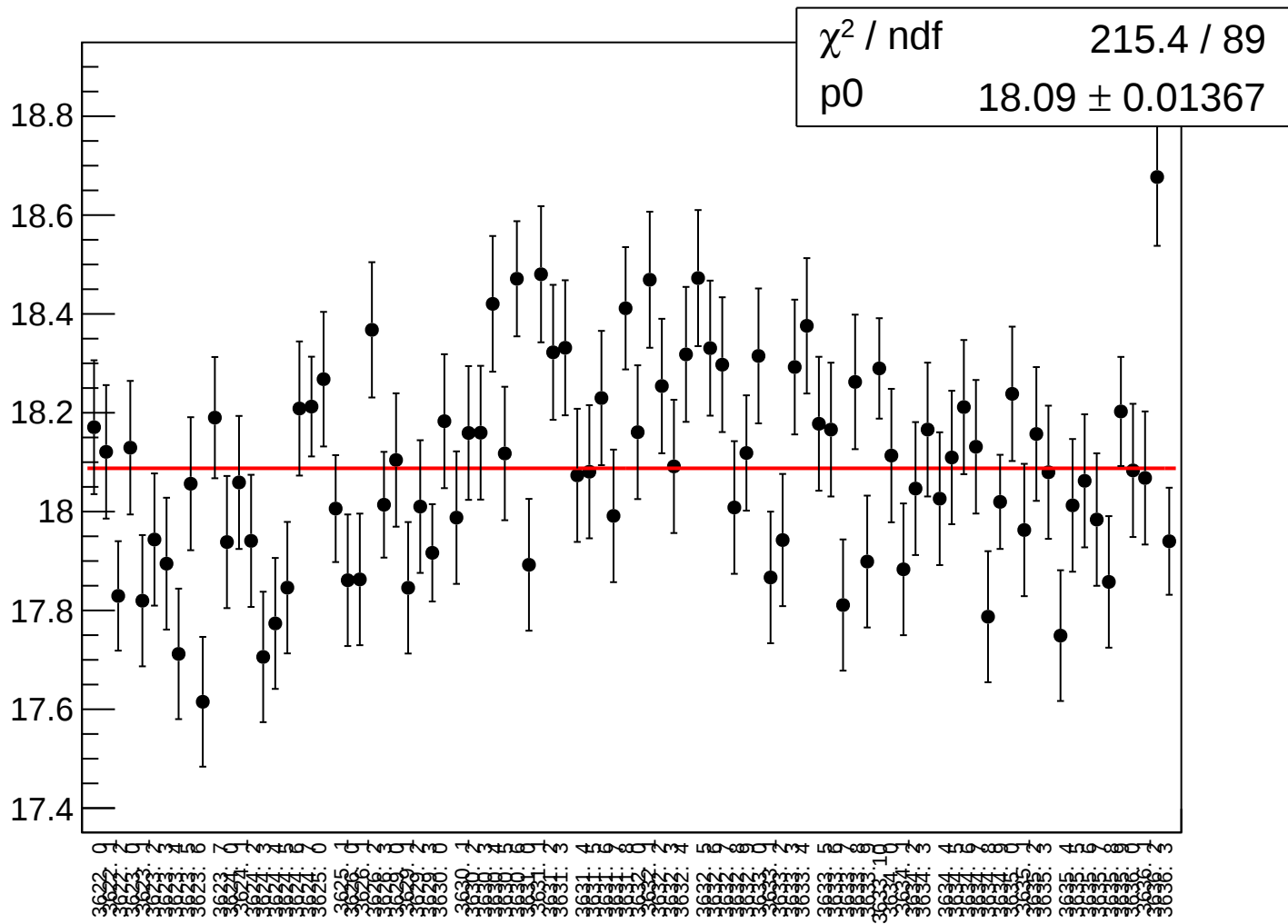
diff_cav4cY_rms vs run



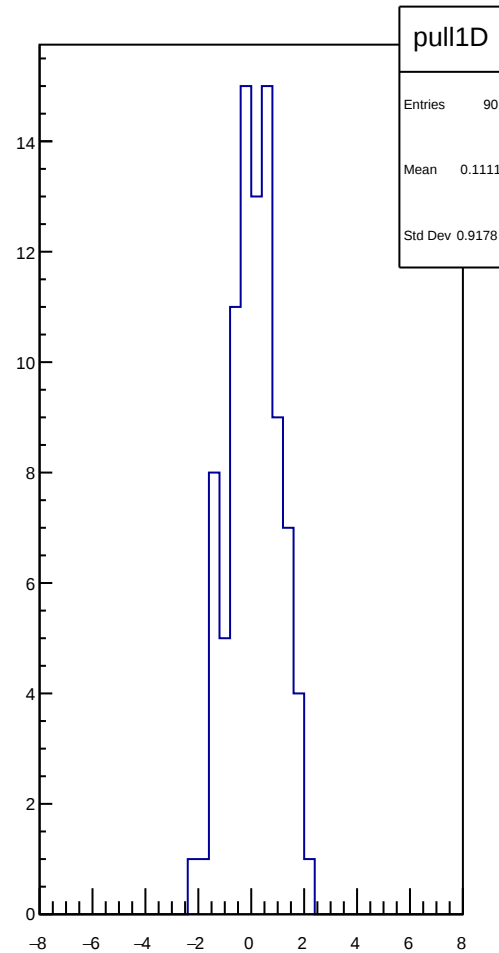
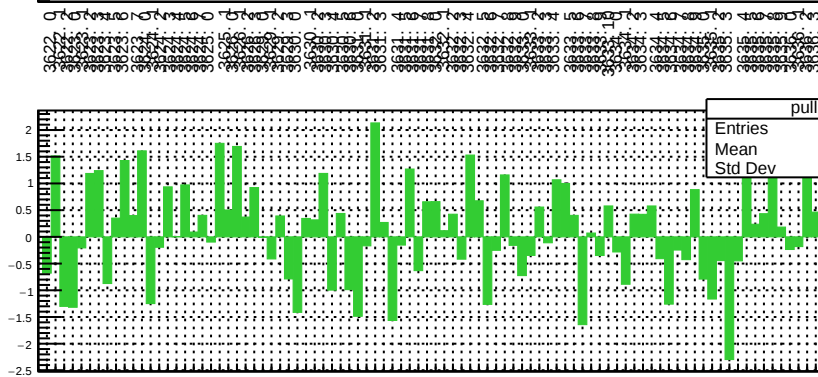
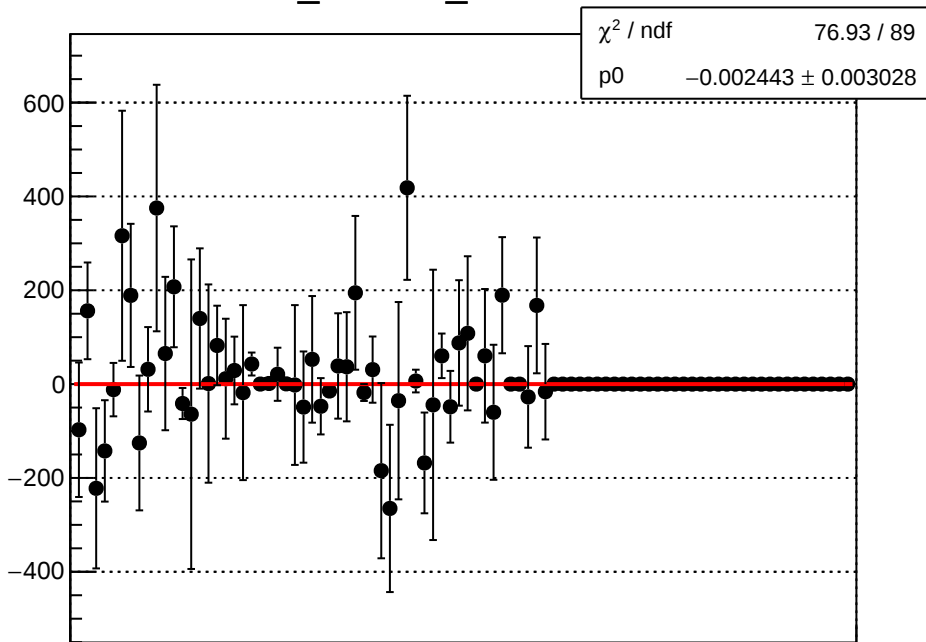
diff_cav4dX_mean vs run



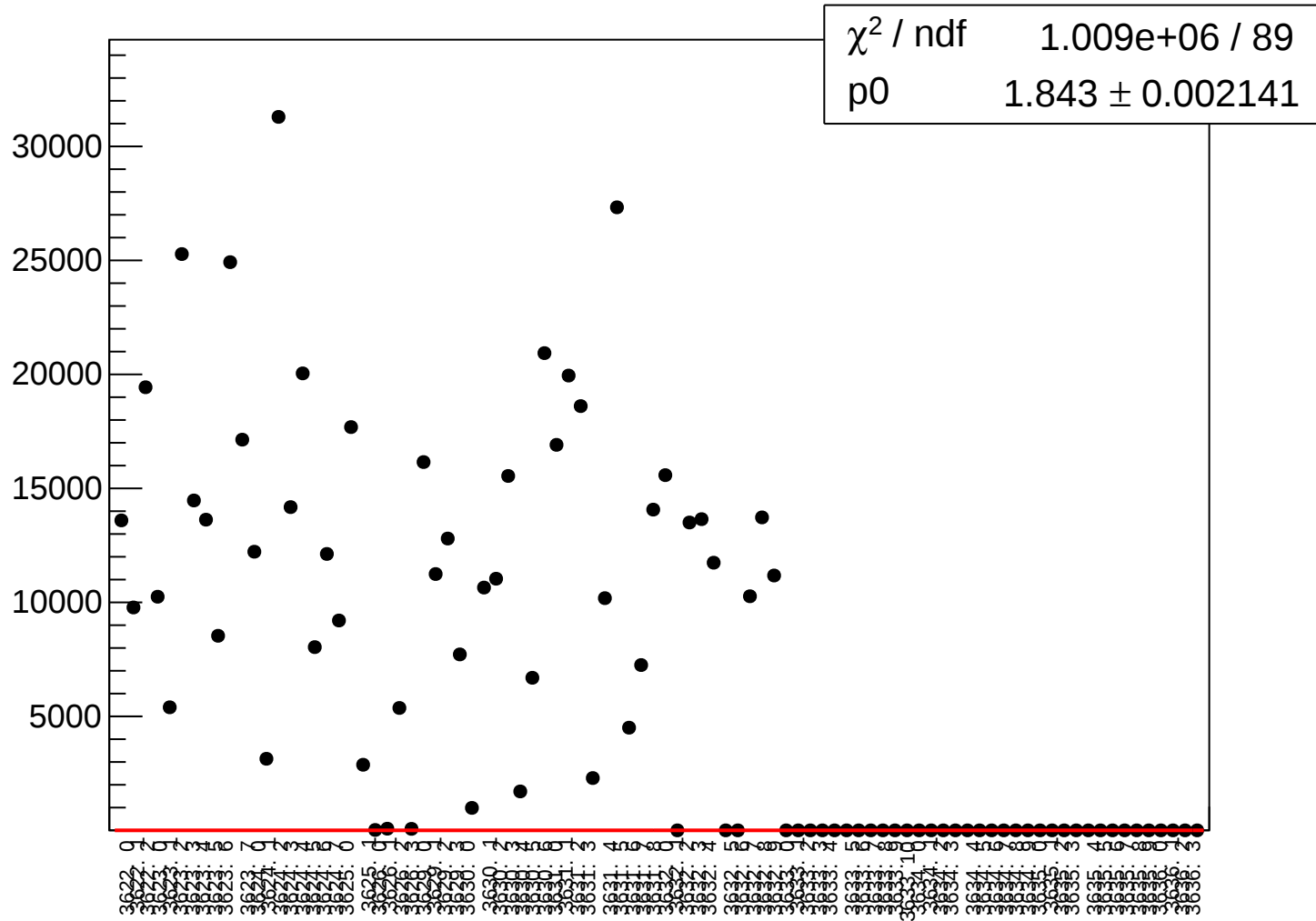
diff_cav4dX_rms vs run



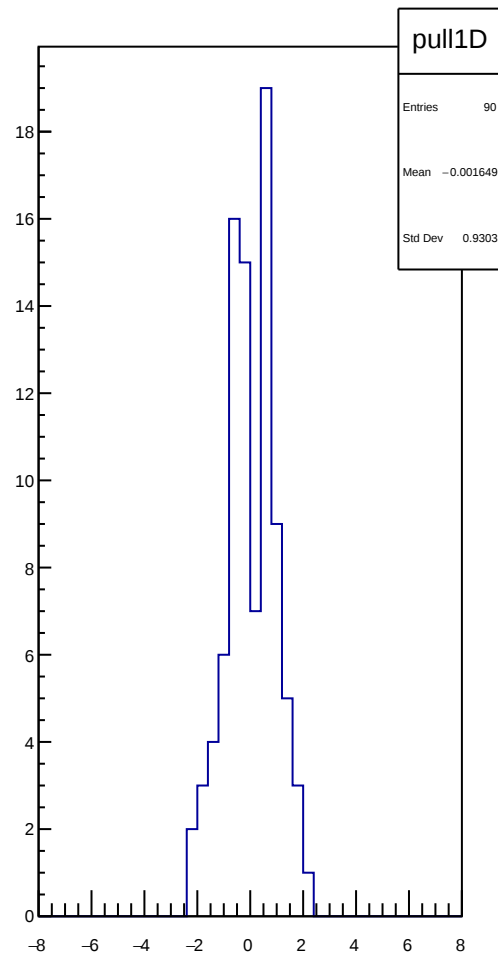
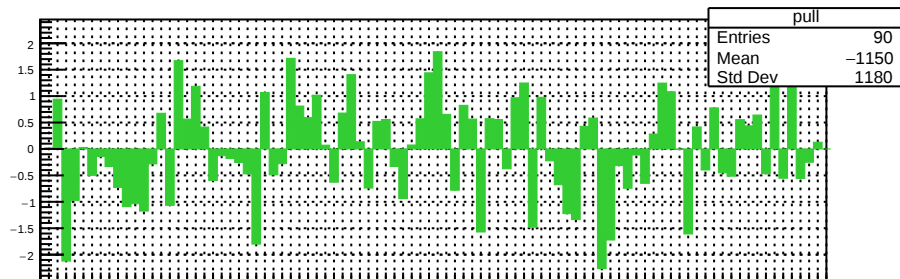
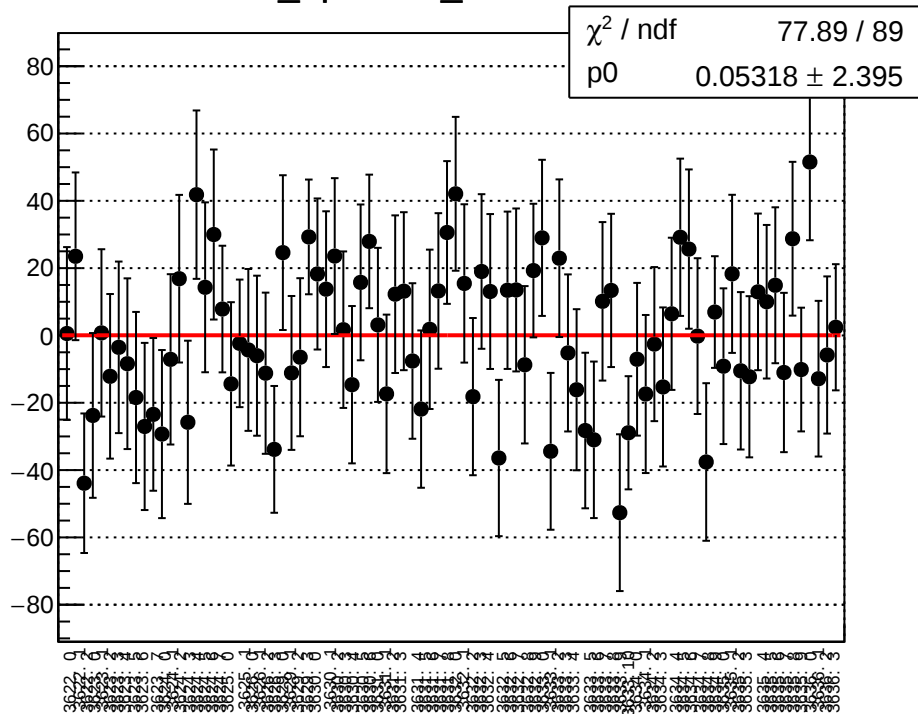
diff_cav4dY_mean vs run



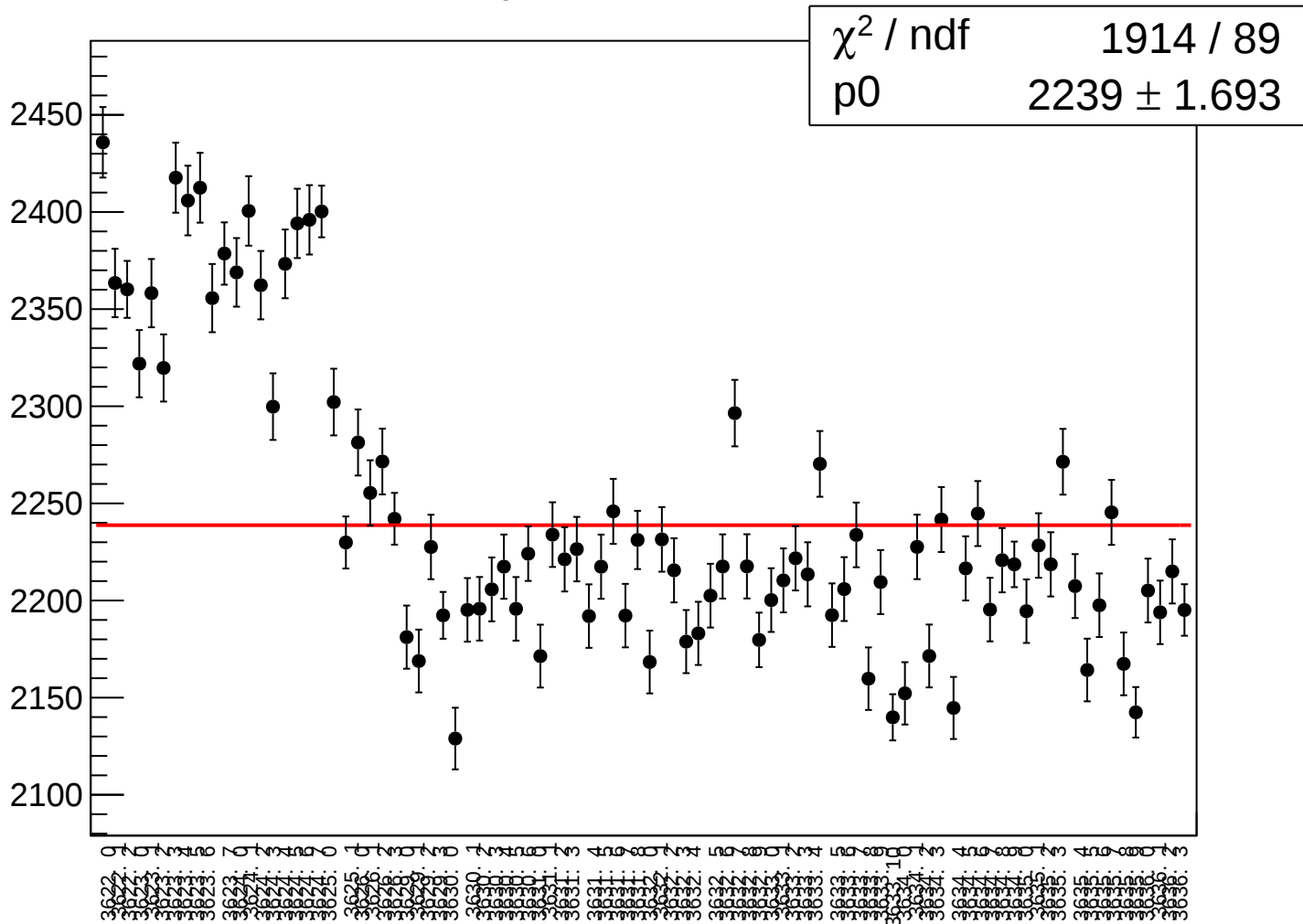
diff_cav4dY_rms vs run



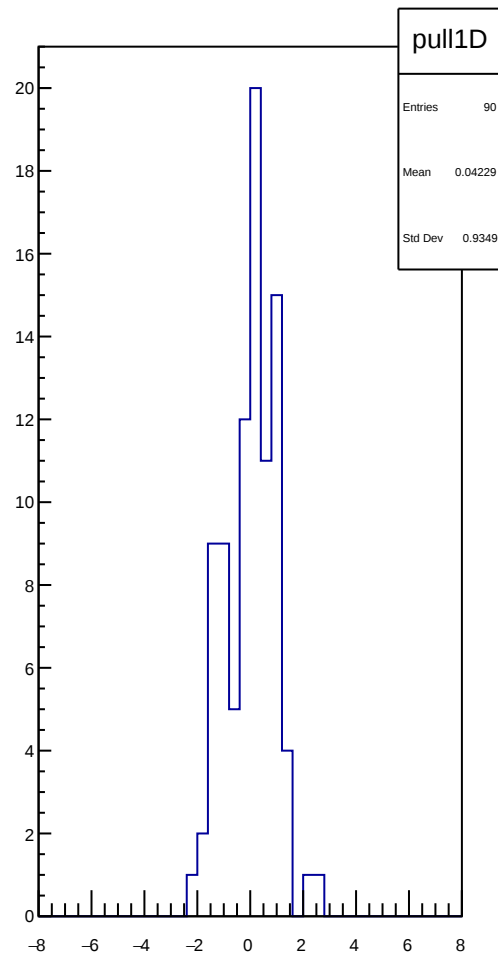
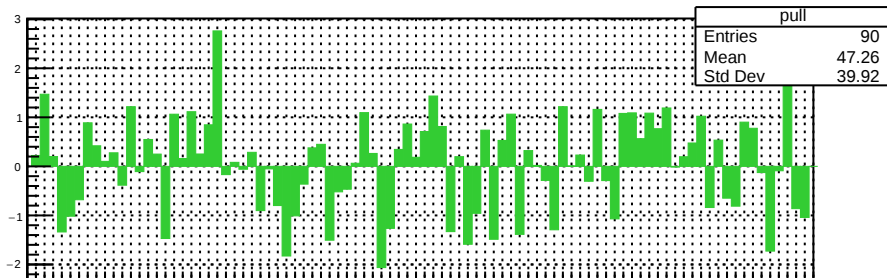
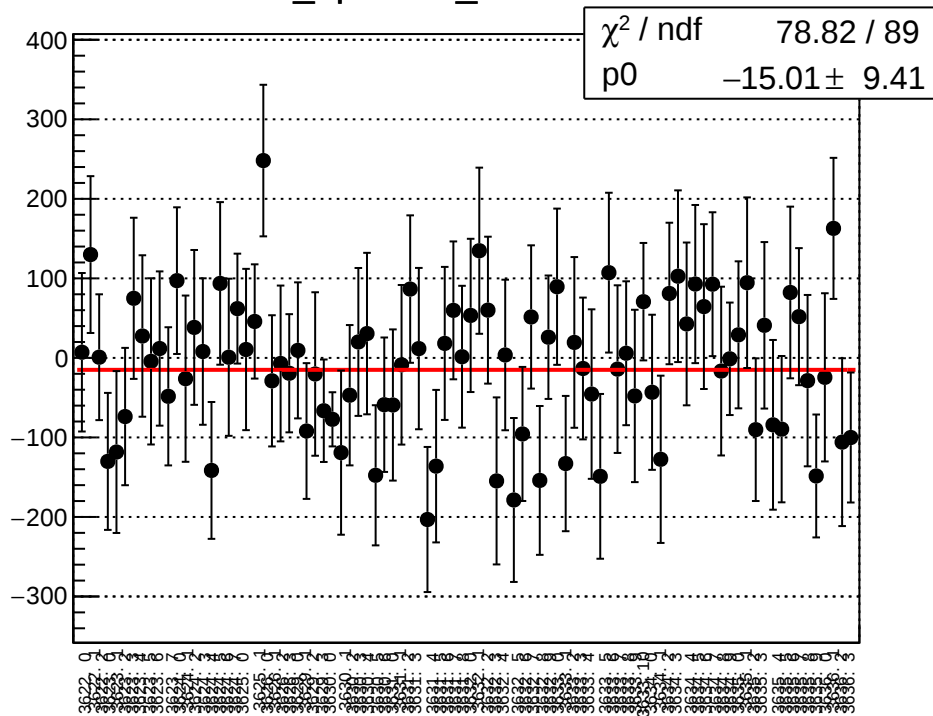
diff_bpm4aX_mean vs run



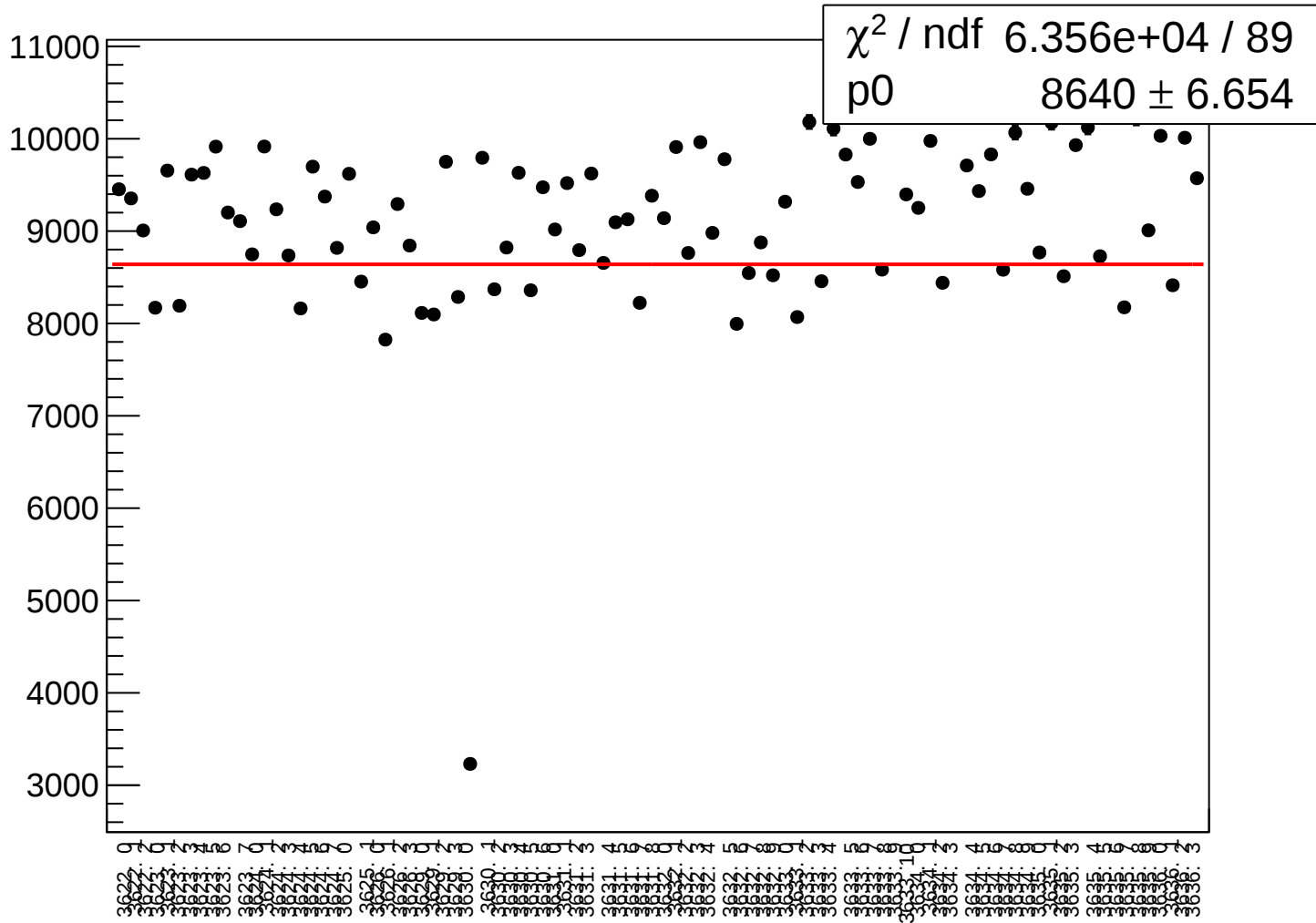
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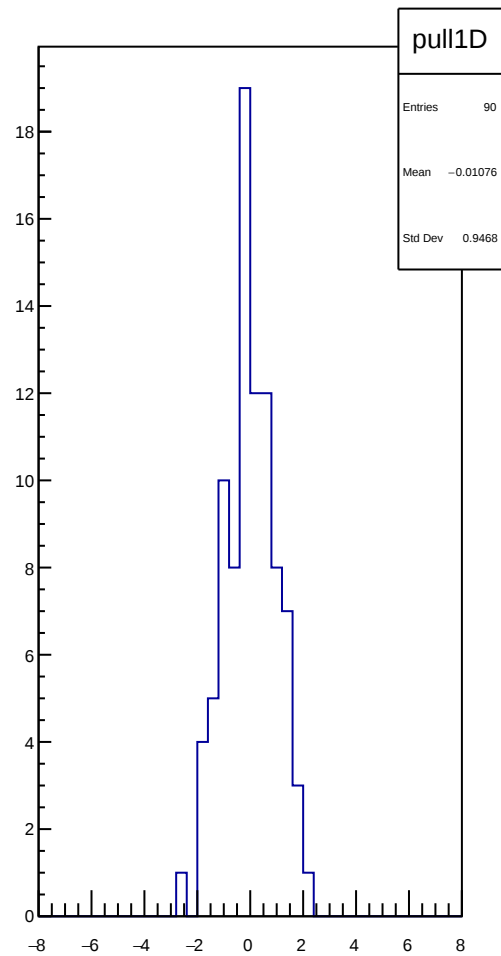
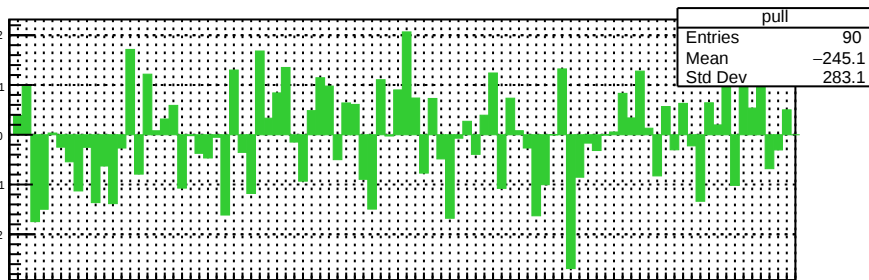
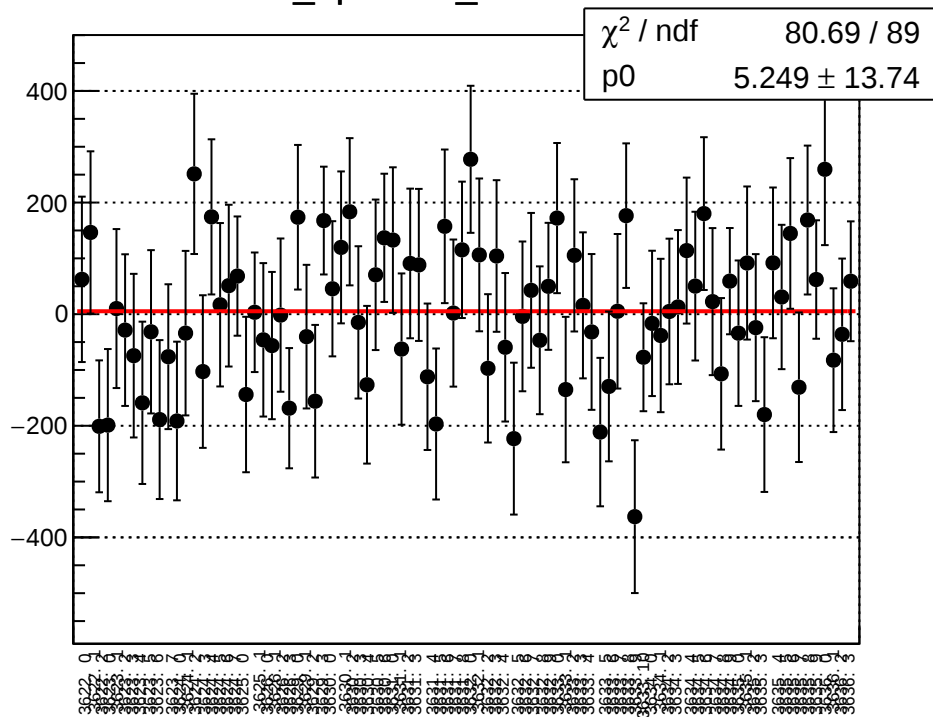
diff_bpm4aY_mean vs un



diff_bpm4aY_rms vs run



diff_bpm4eX_mean vs un



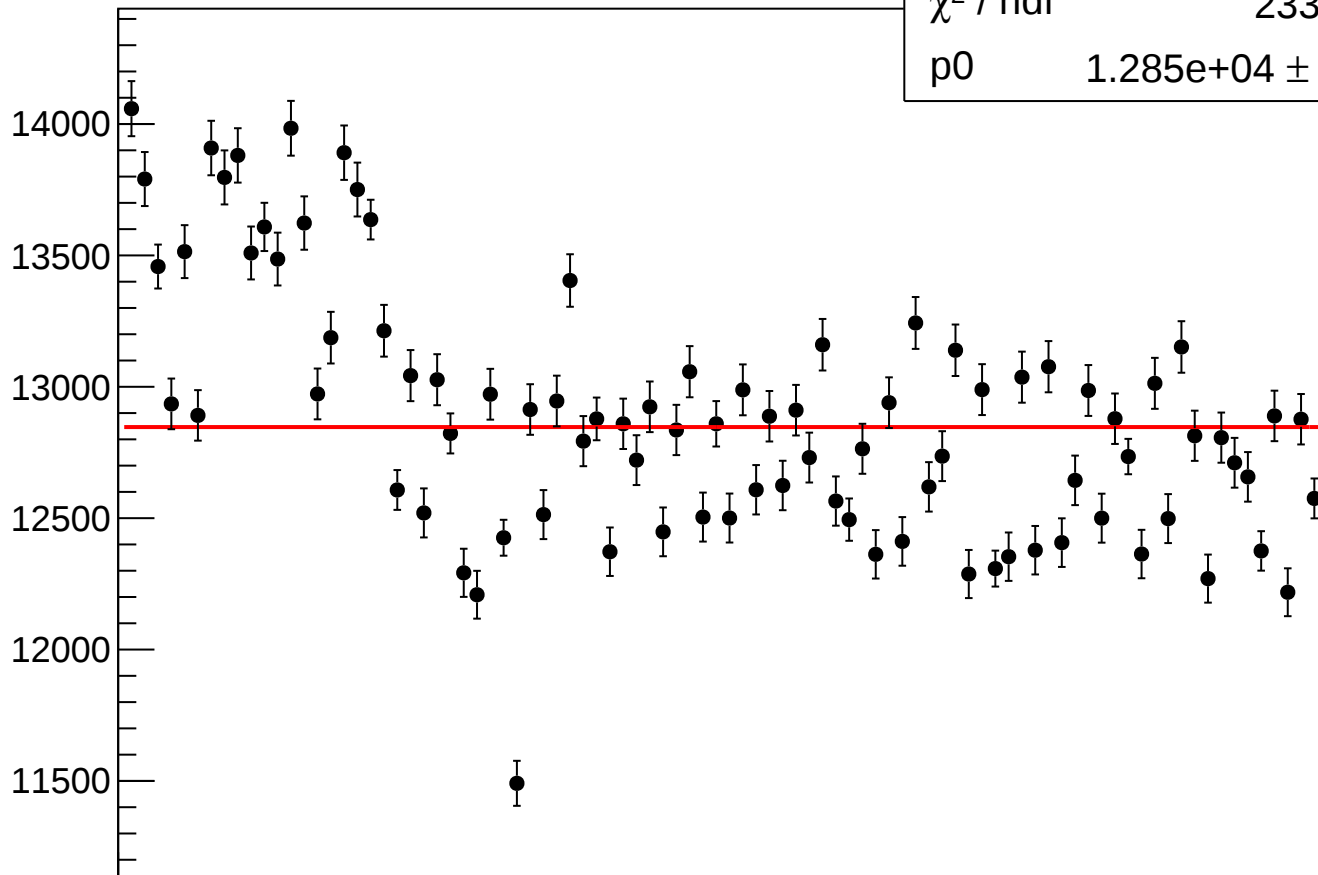
diff_bpm4eX_rms vs run

χ^2 / ndf

2335 / 89

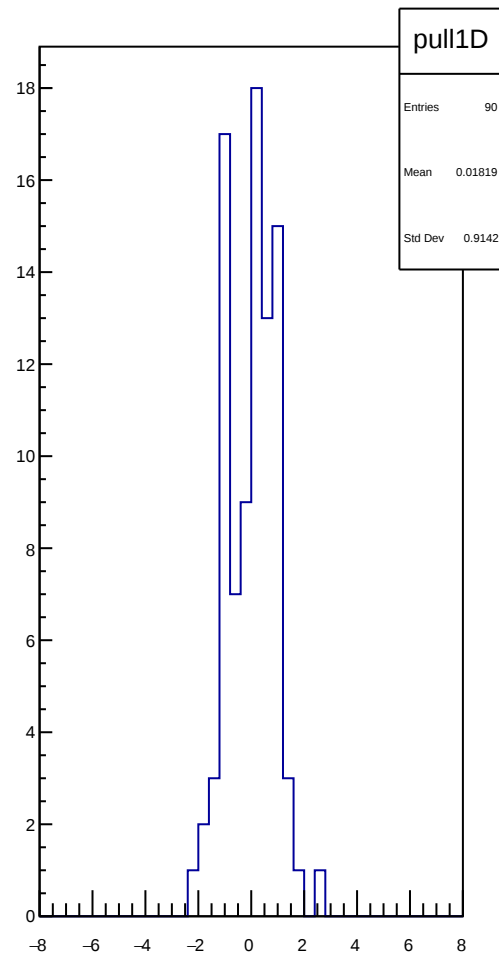
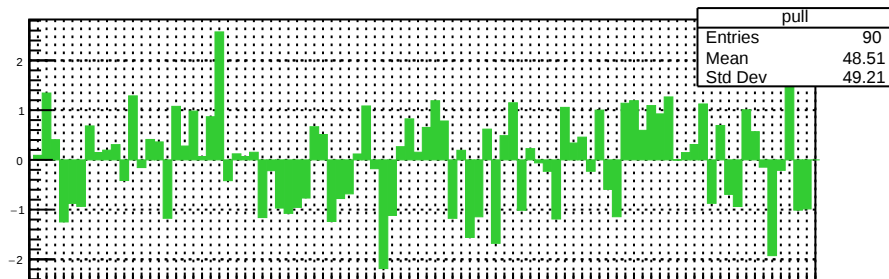
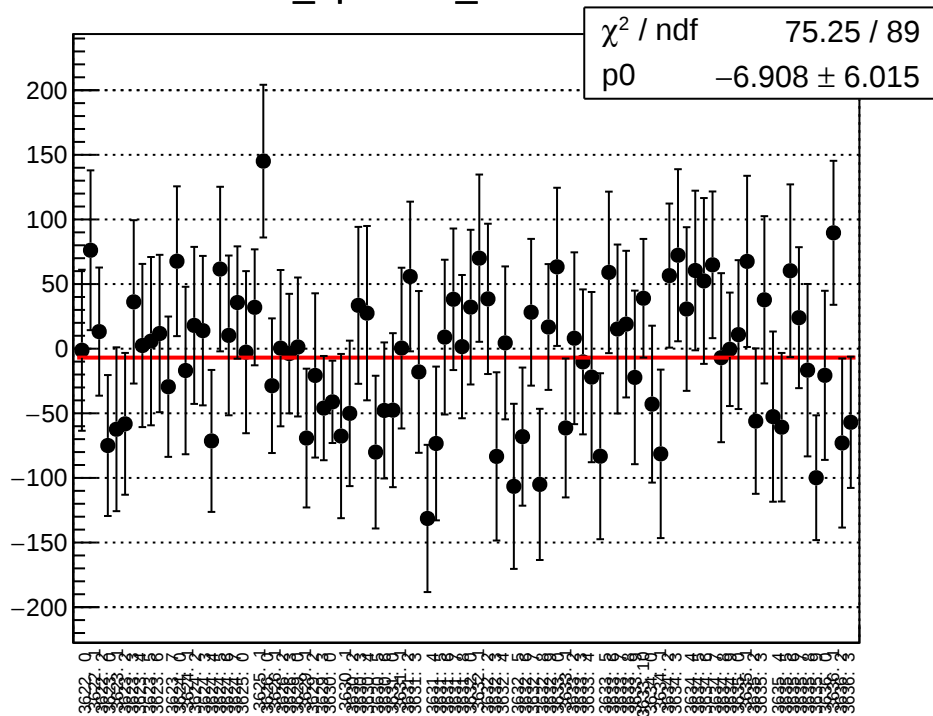
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$1.285\text{e}+04 \pm 9.718$

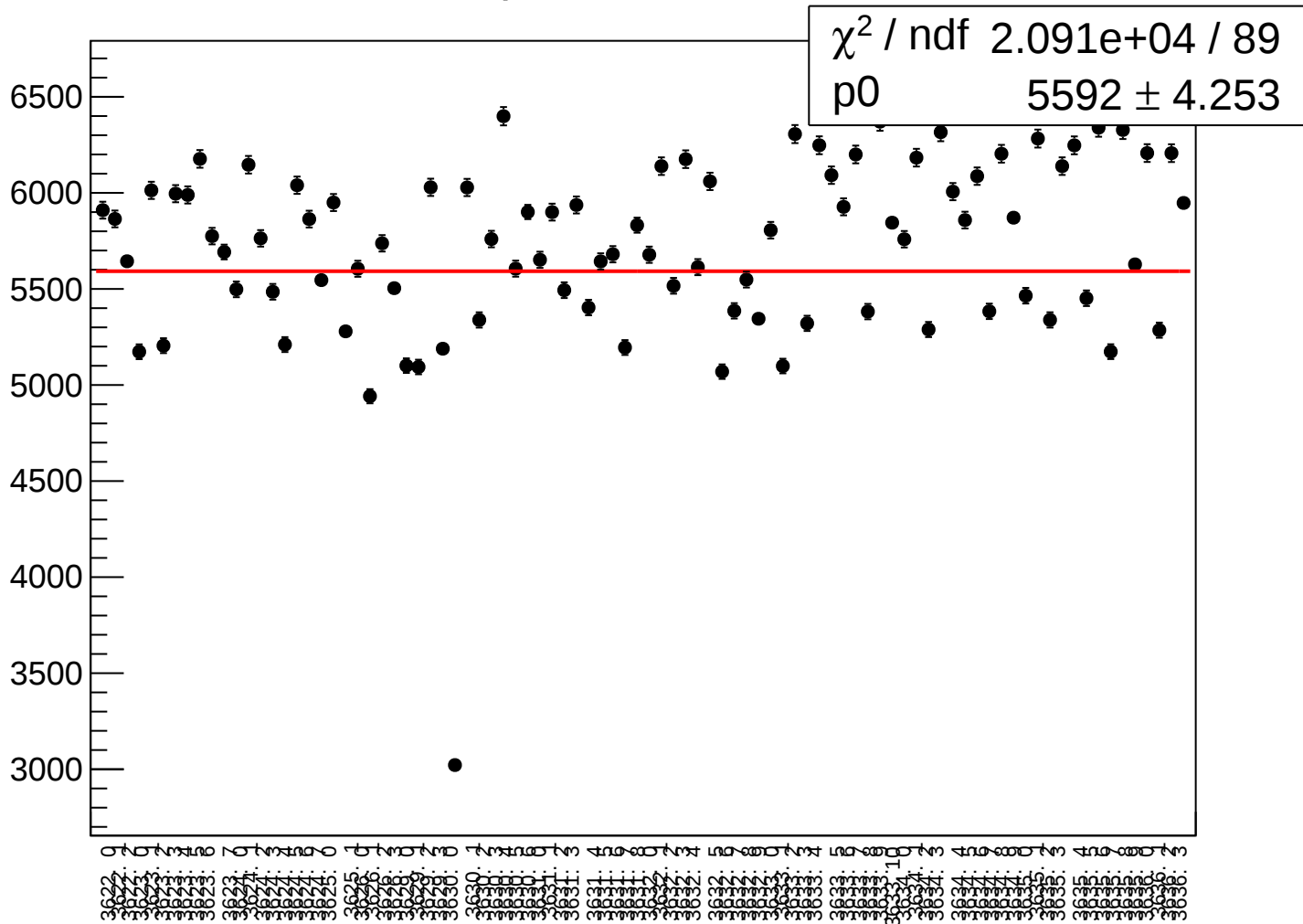


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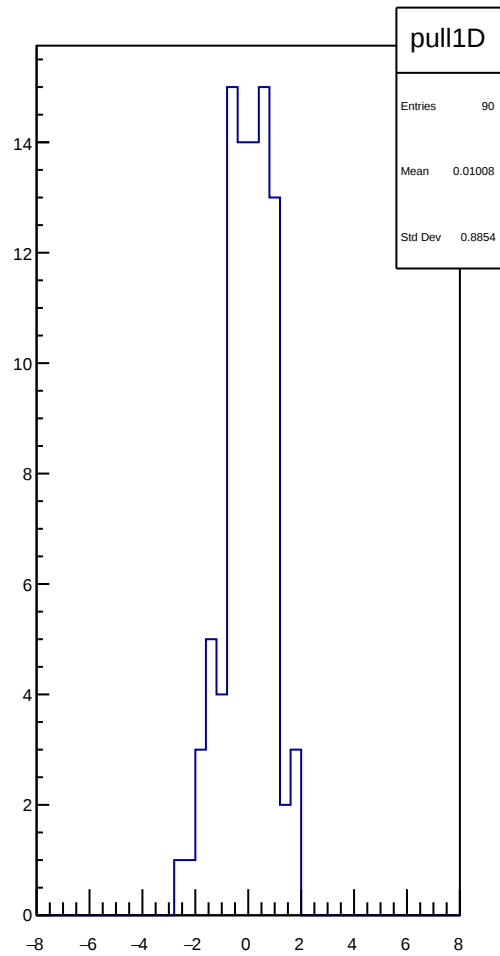
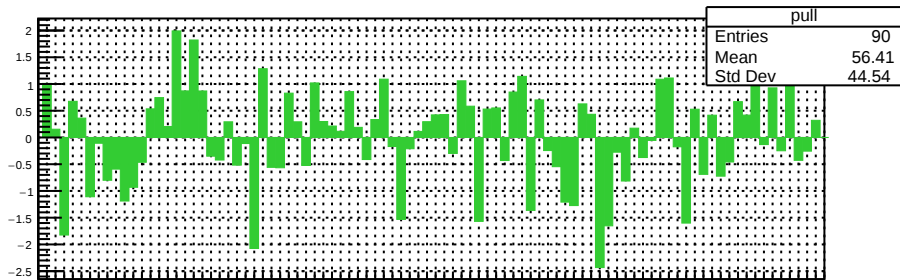
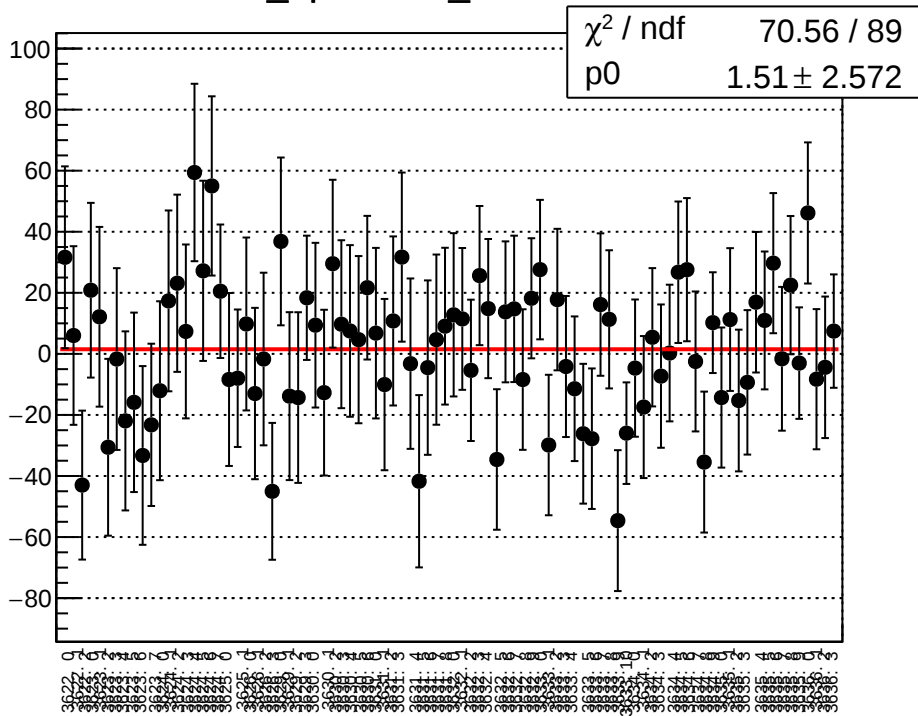
diff_bpm4eY_mean vs run



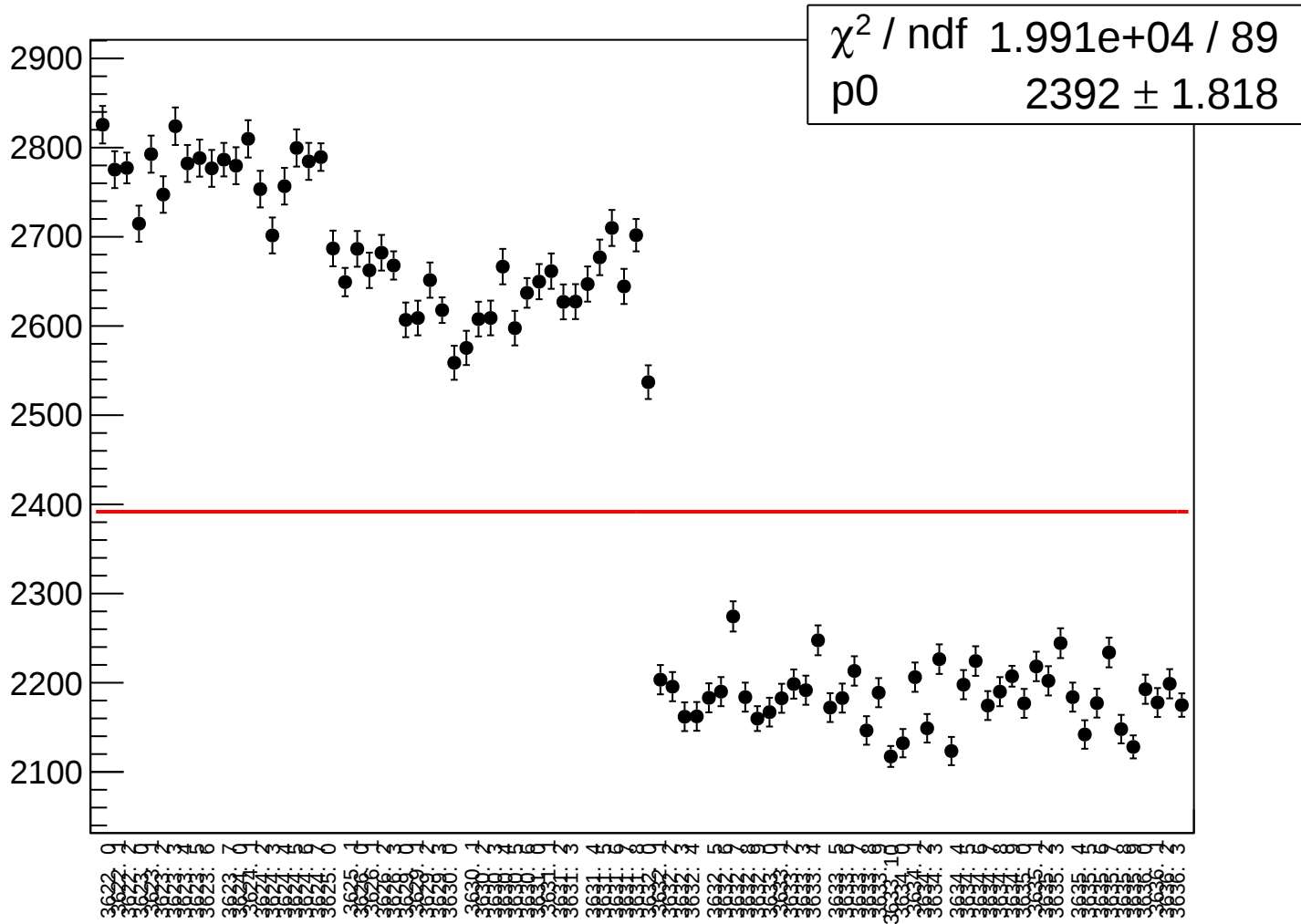
diff_bpm4eY_rms vs run



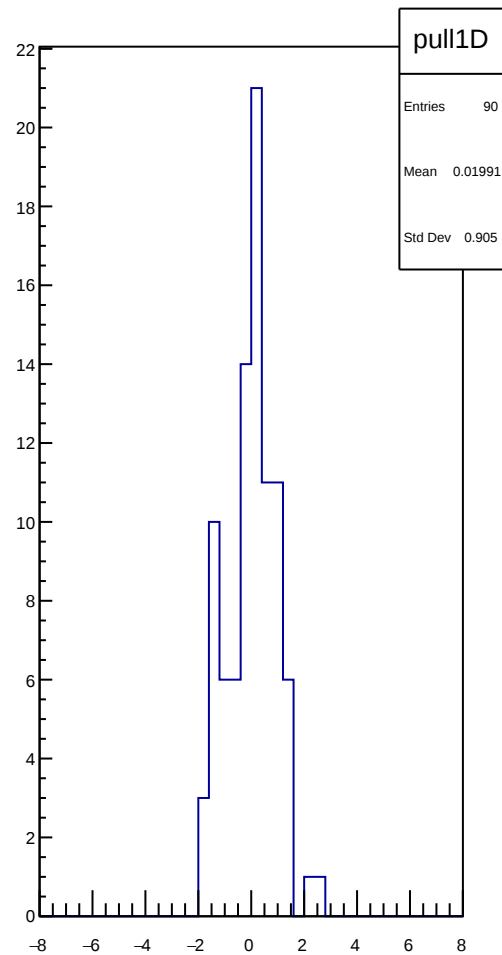
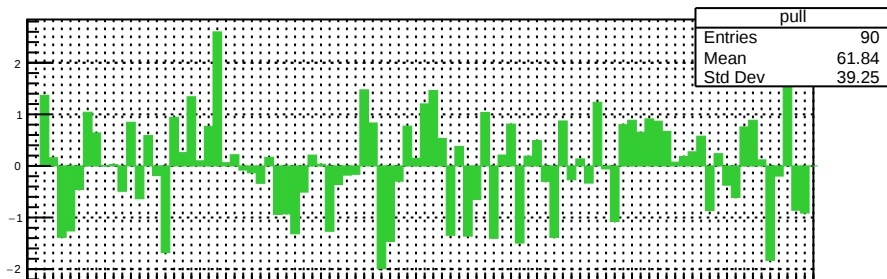
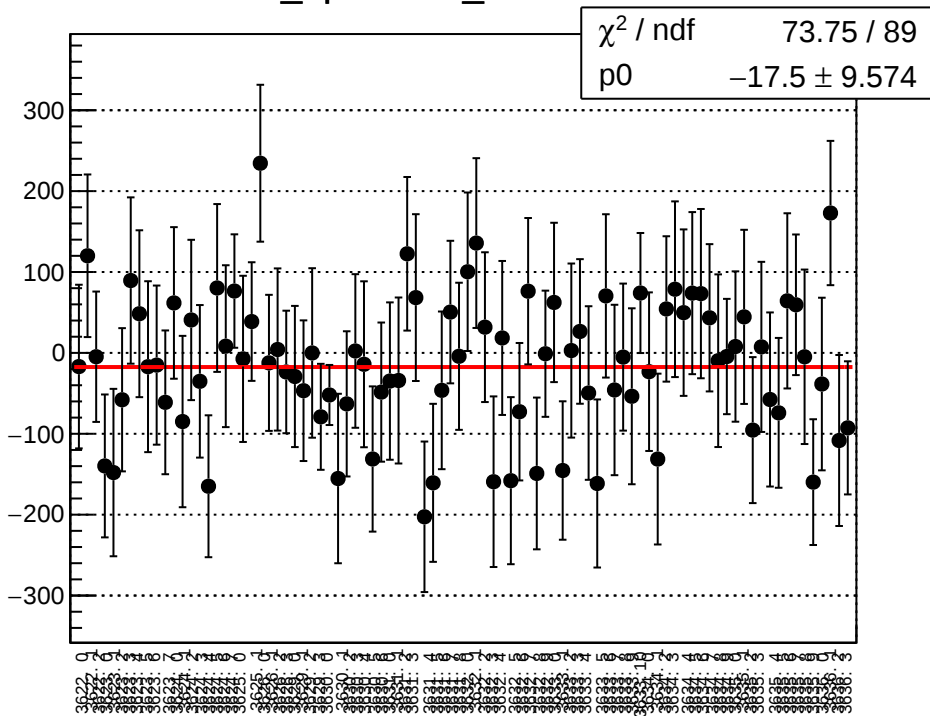
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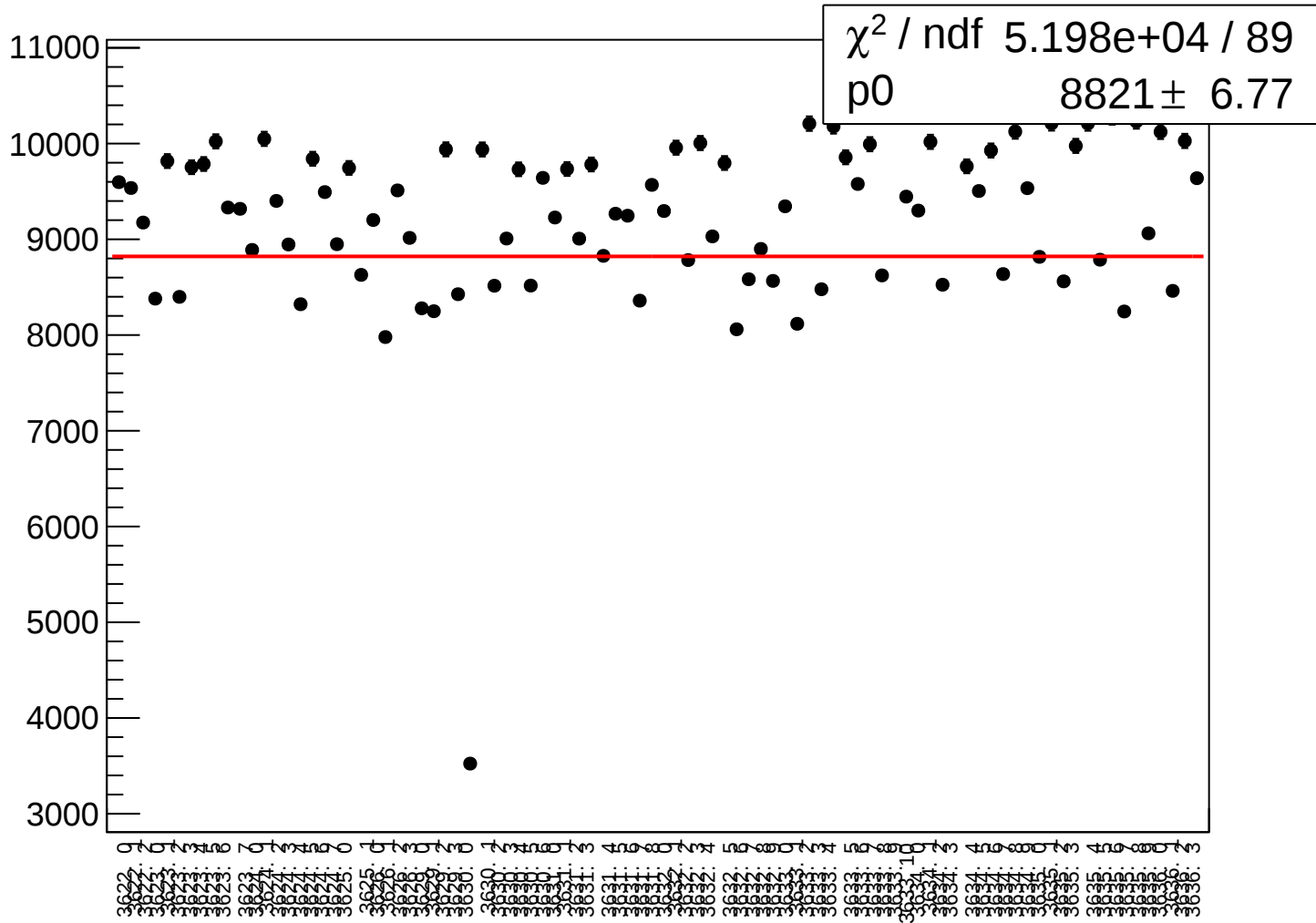
diff_bpm4acX_rms vs run



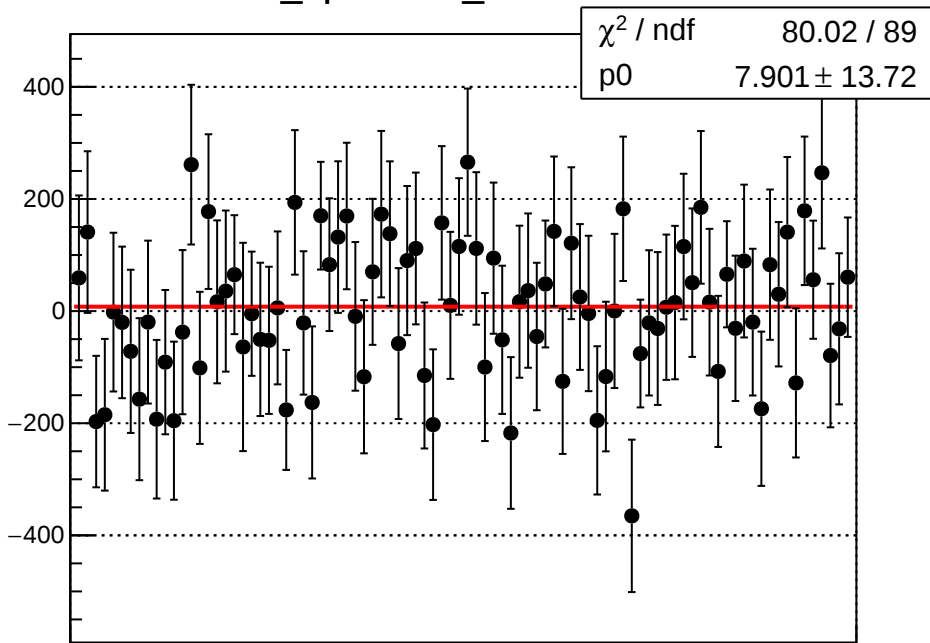
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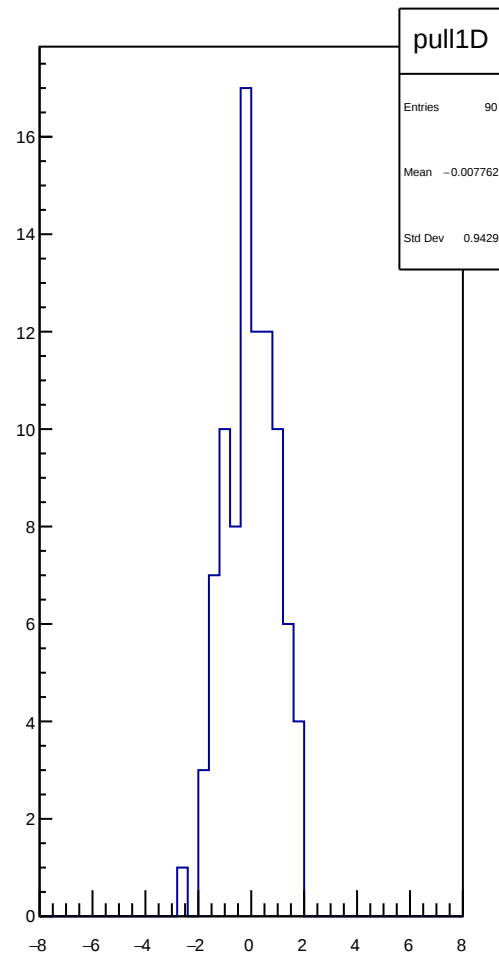
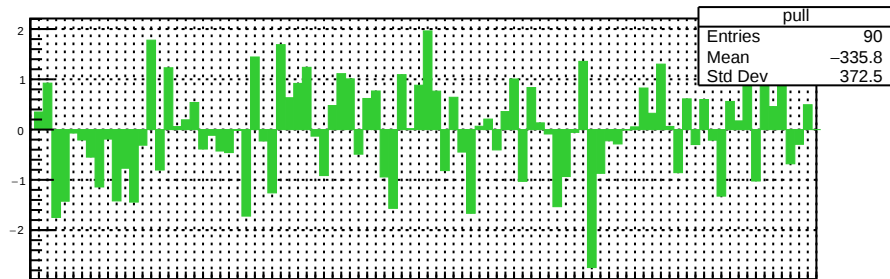
diff_bpm4acY_rms vs run



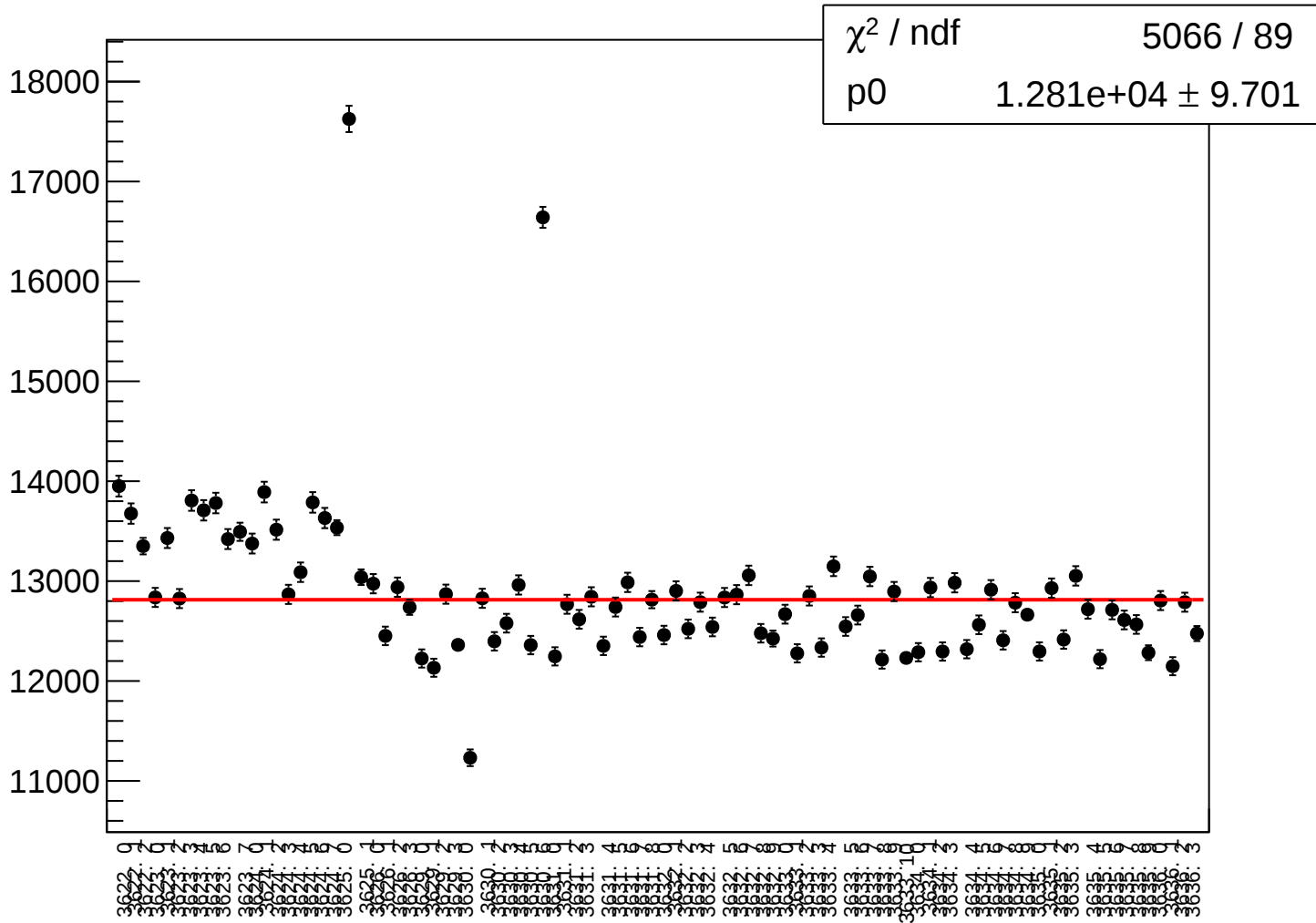
diff_bpm4ecX_mean vs run



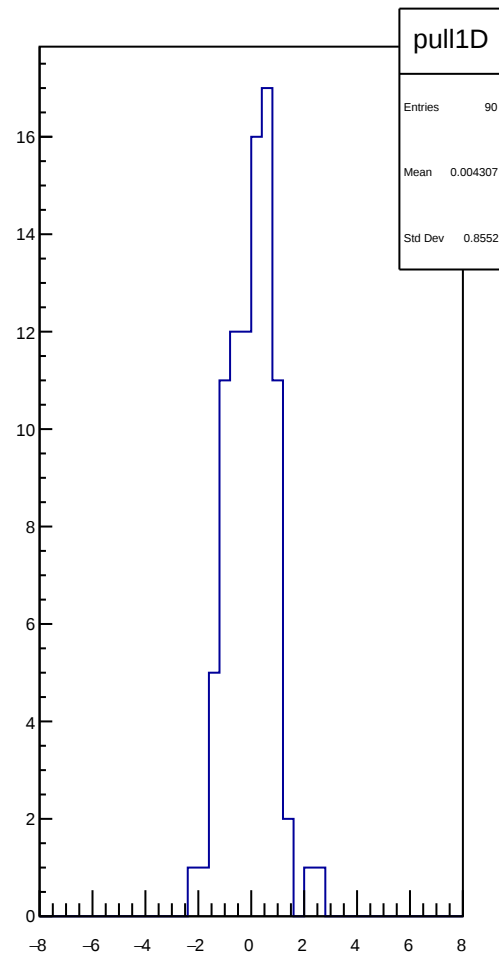
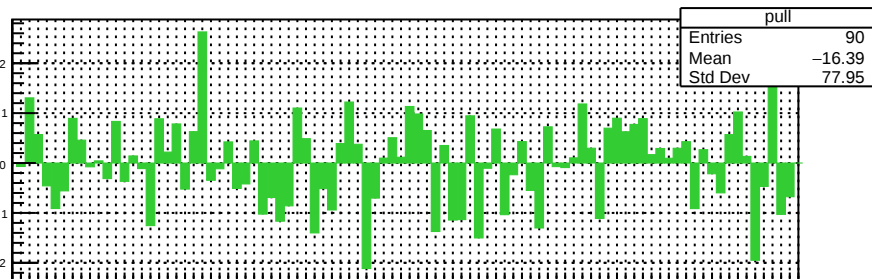
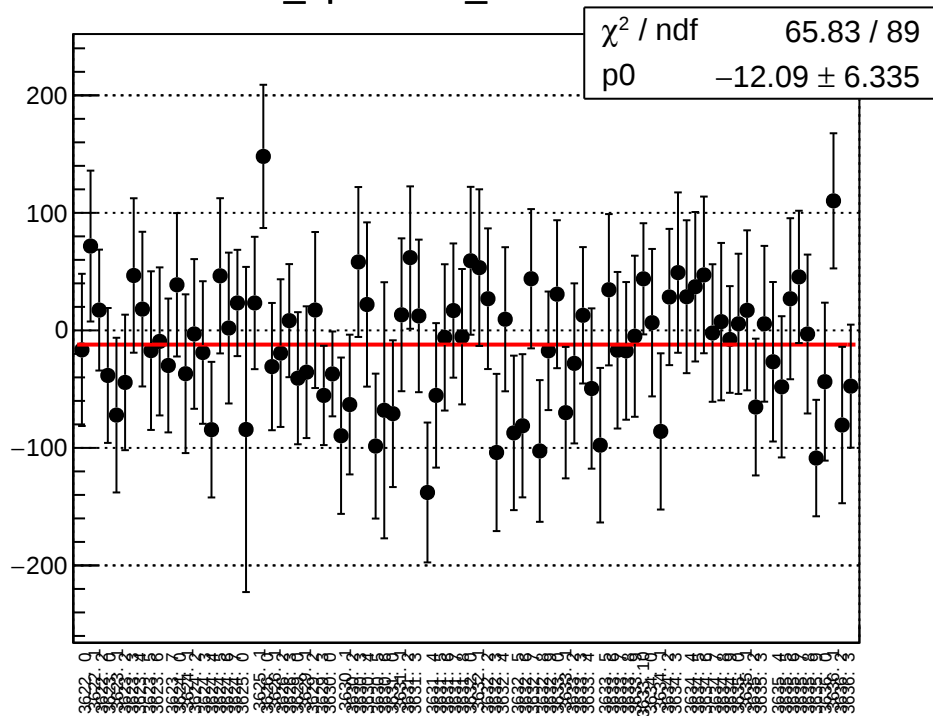
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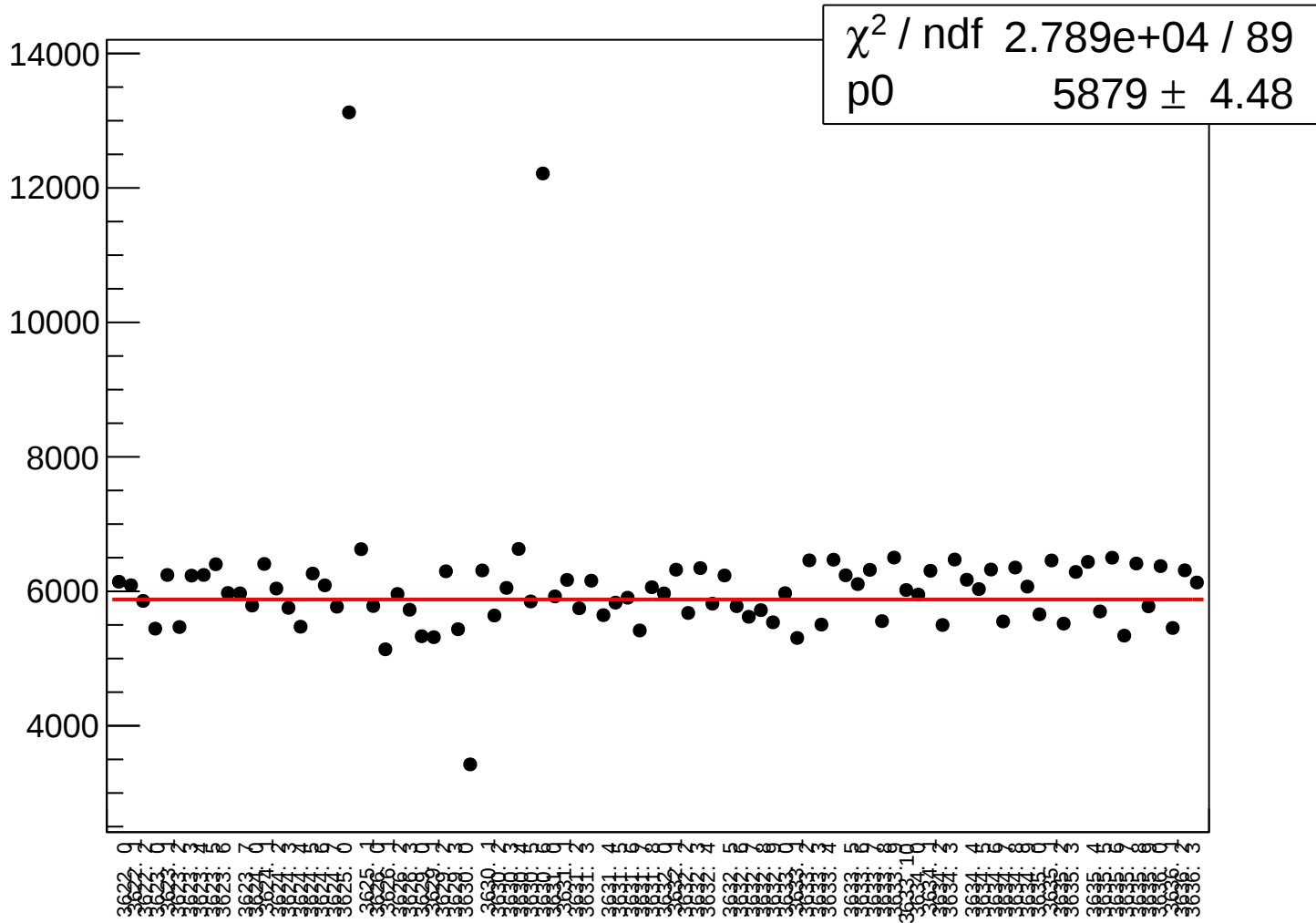
diff_bpm4ecX_rms vs run



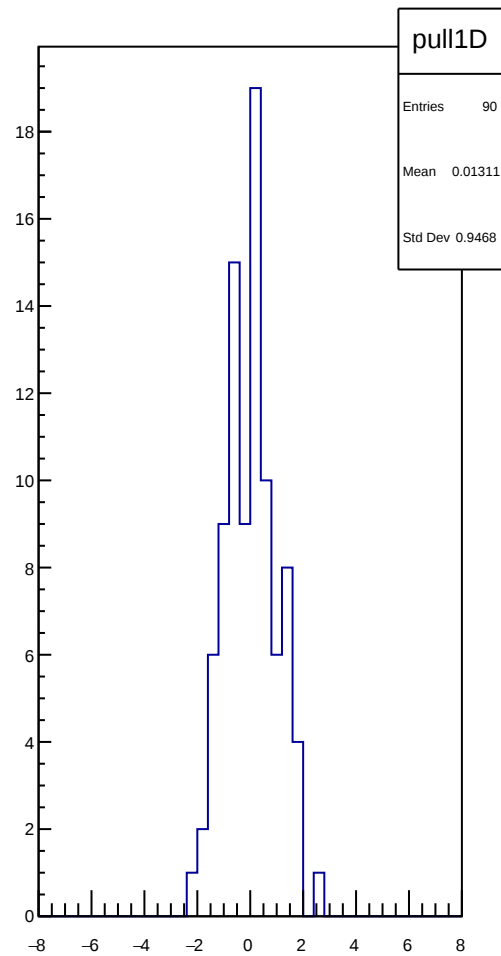
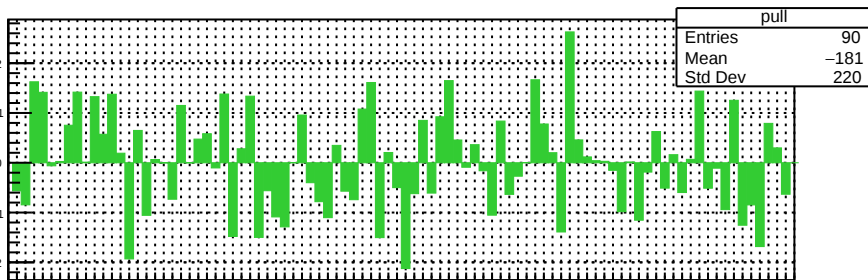
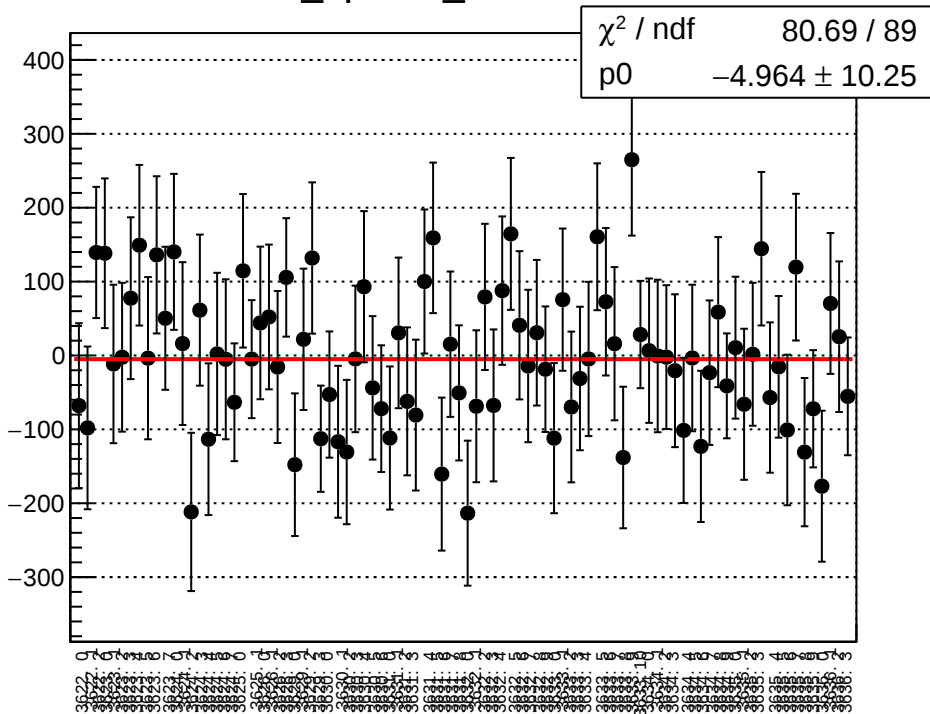
diff_bpm4ecY_mean vs run



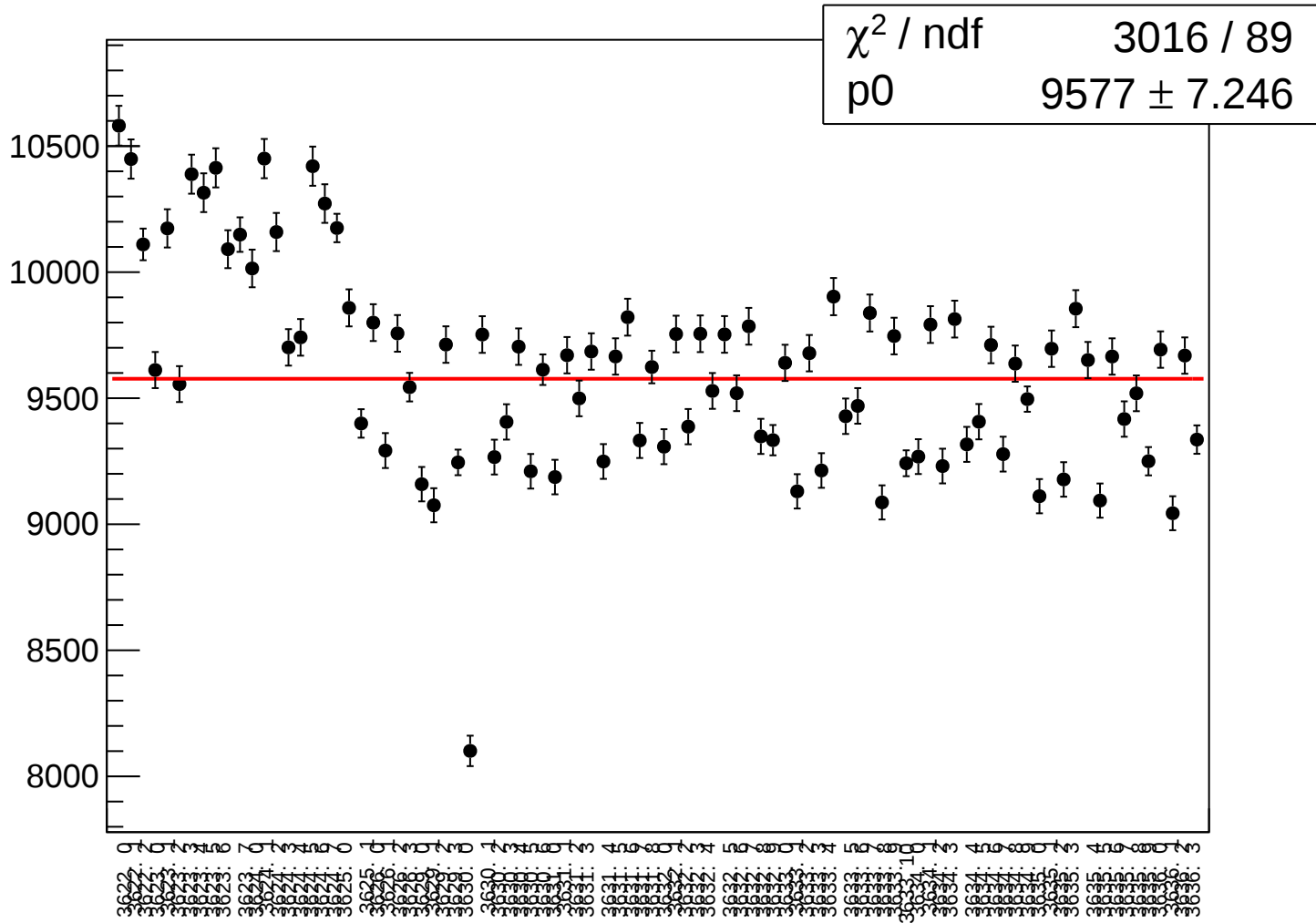
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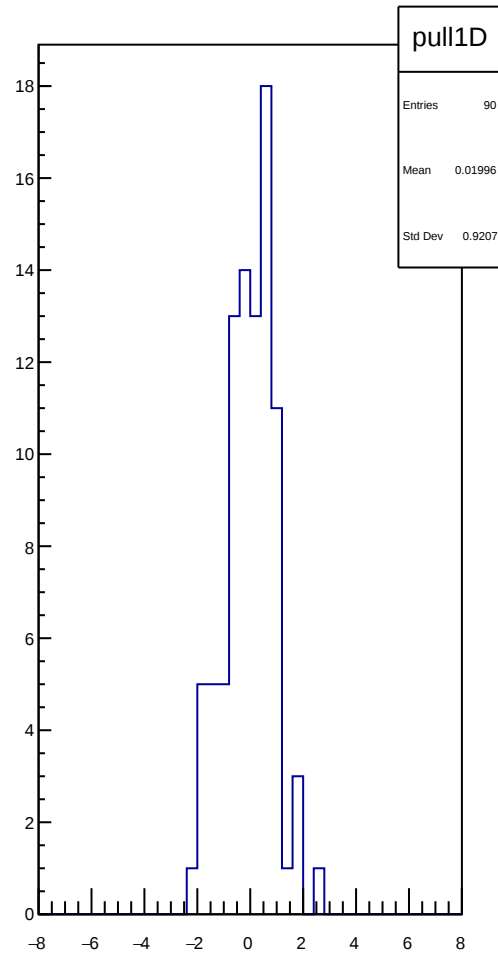
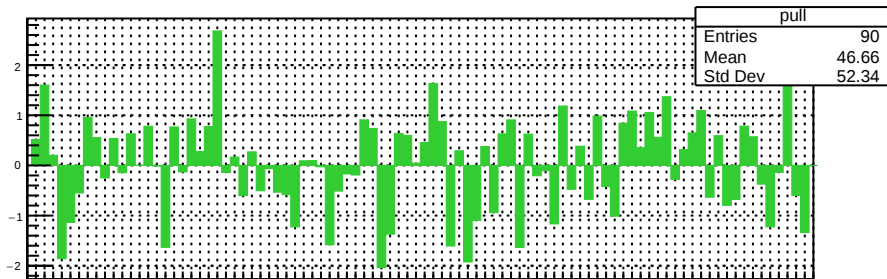
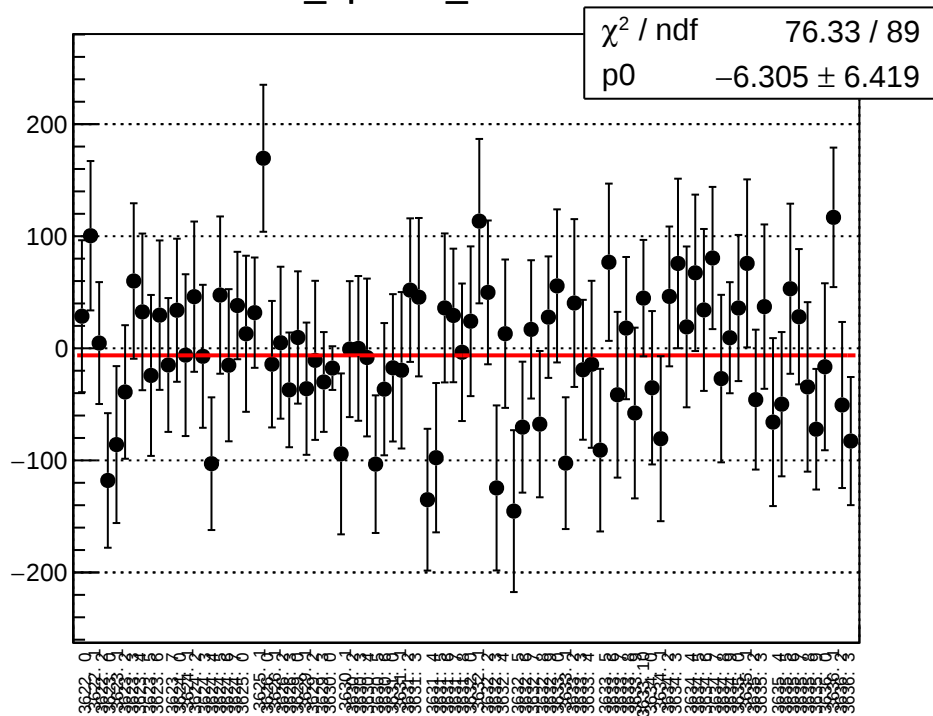
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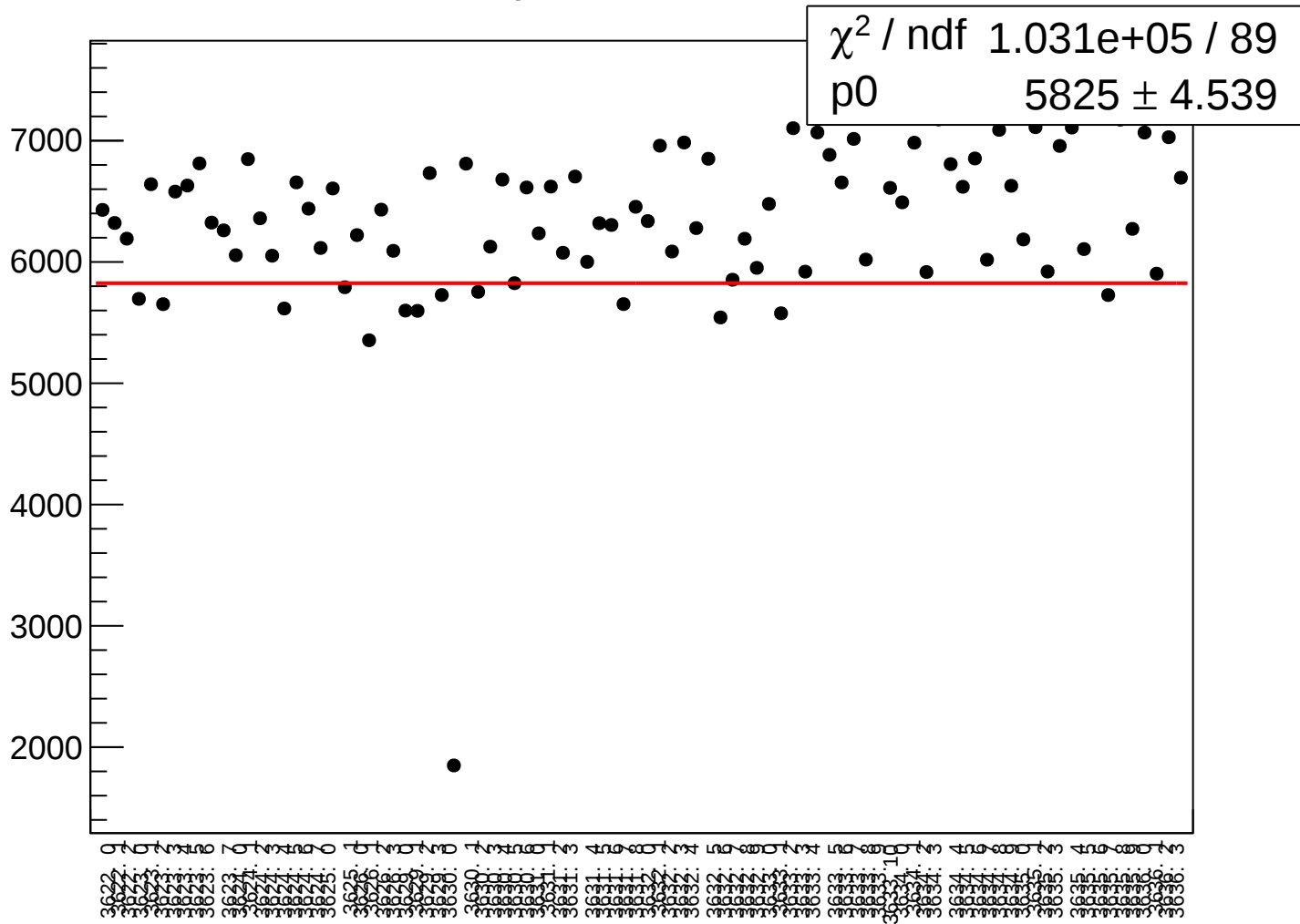
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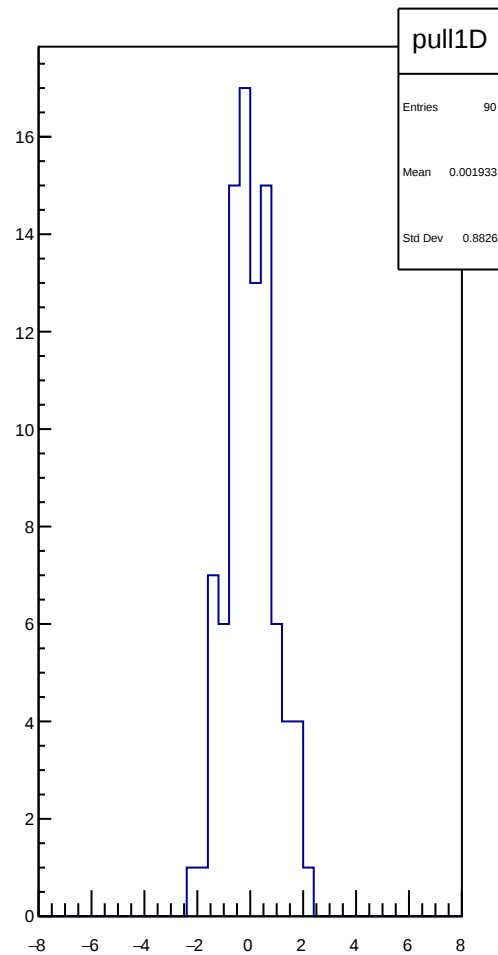
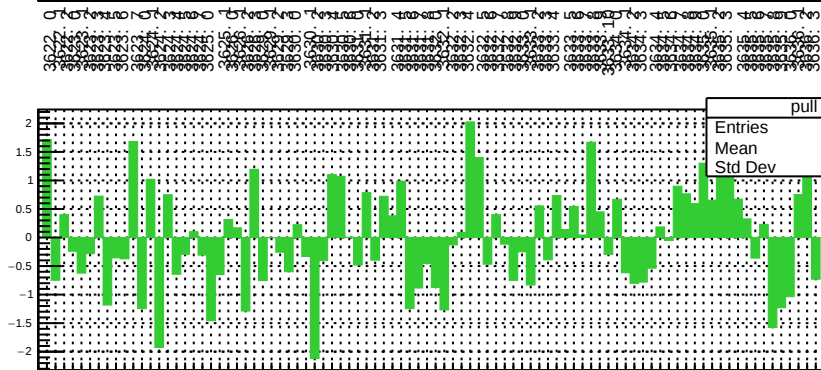
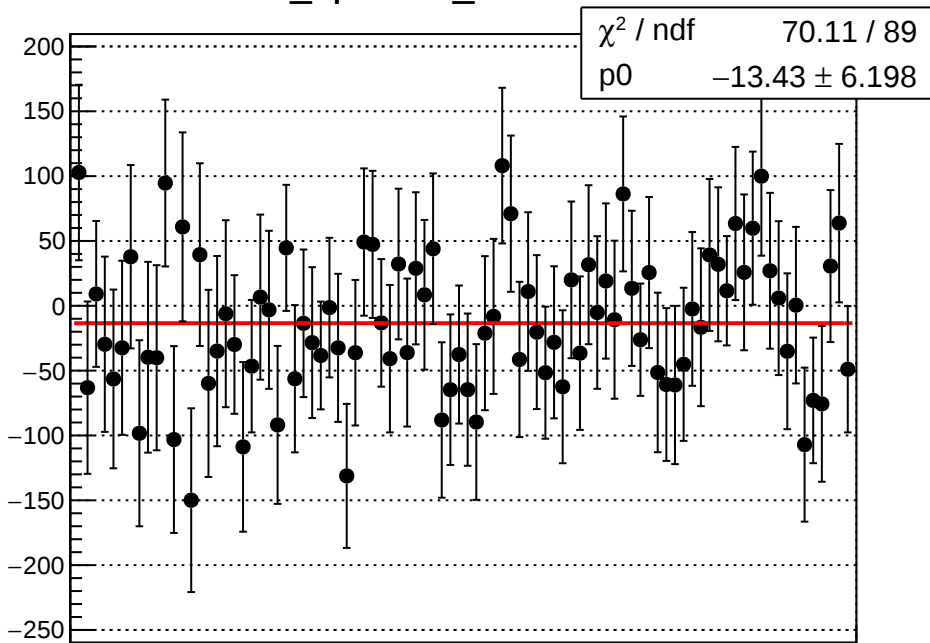
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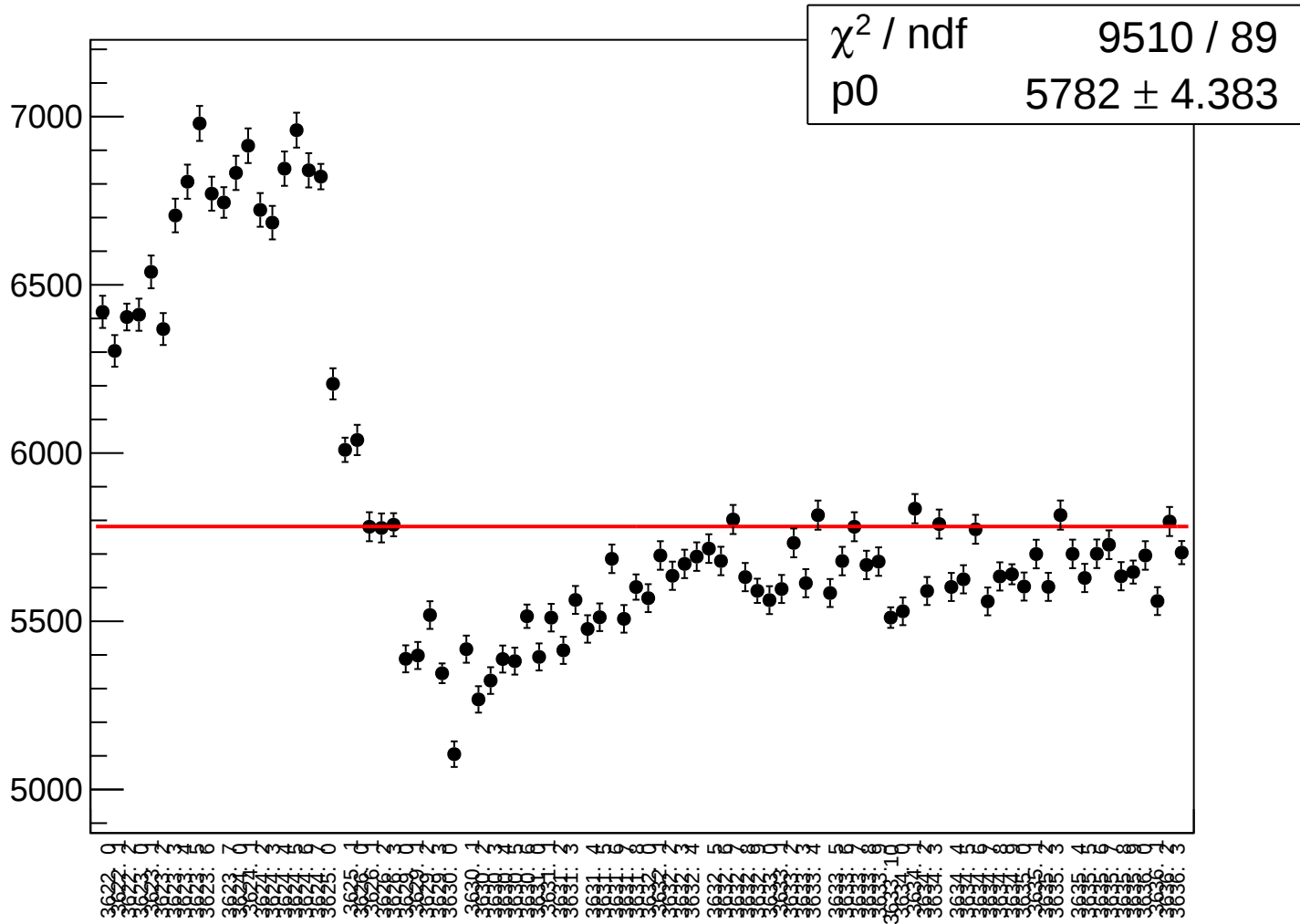
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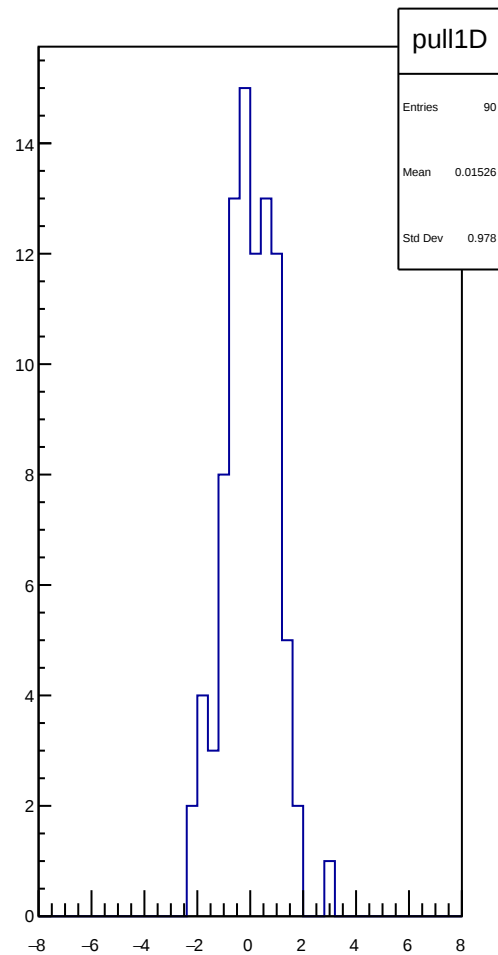
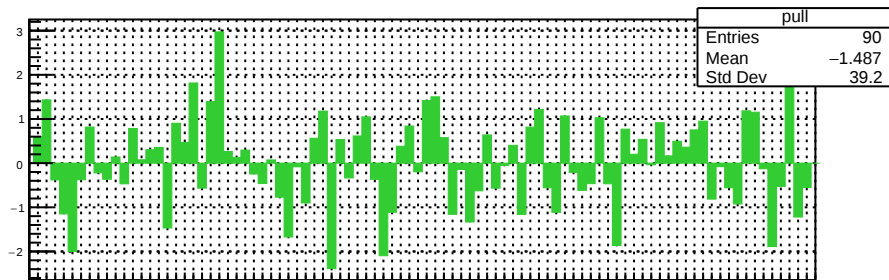
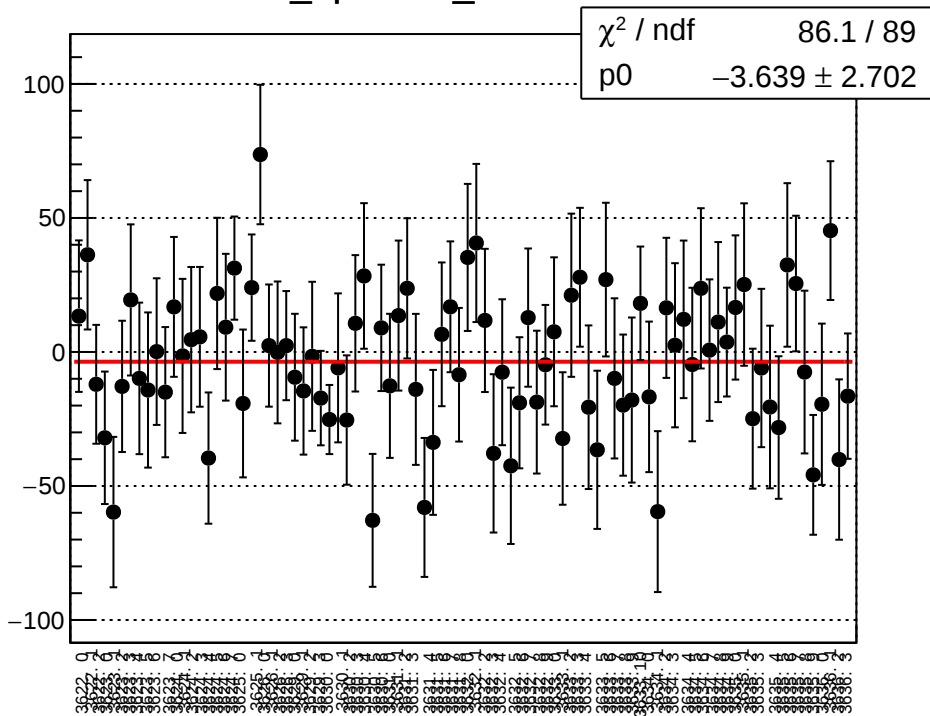
diff_bpm11X_mean vs run



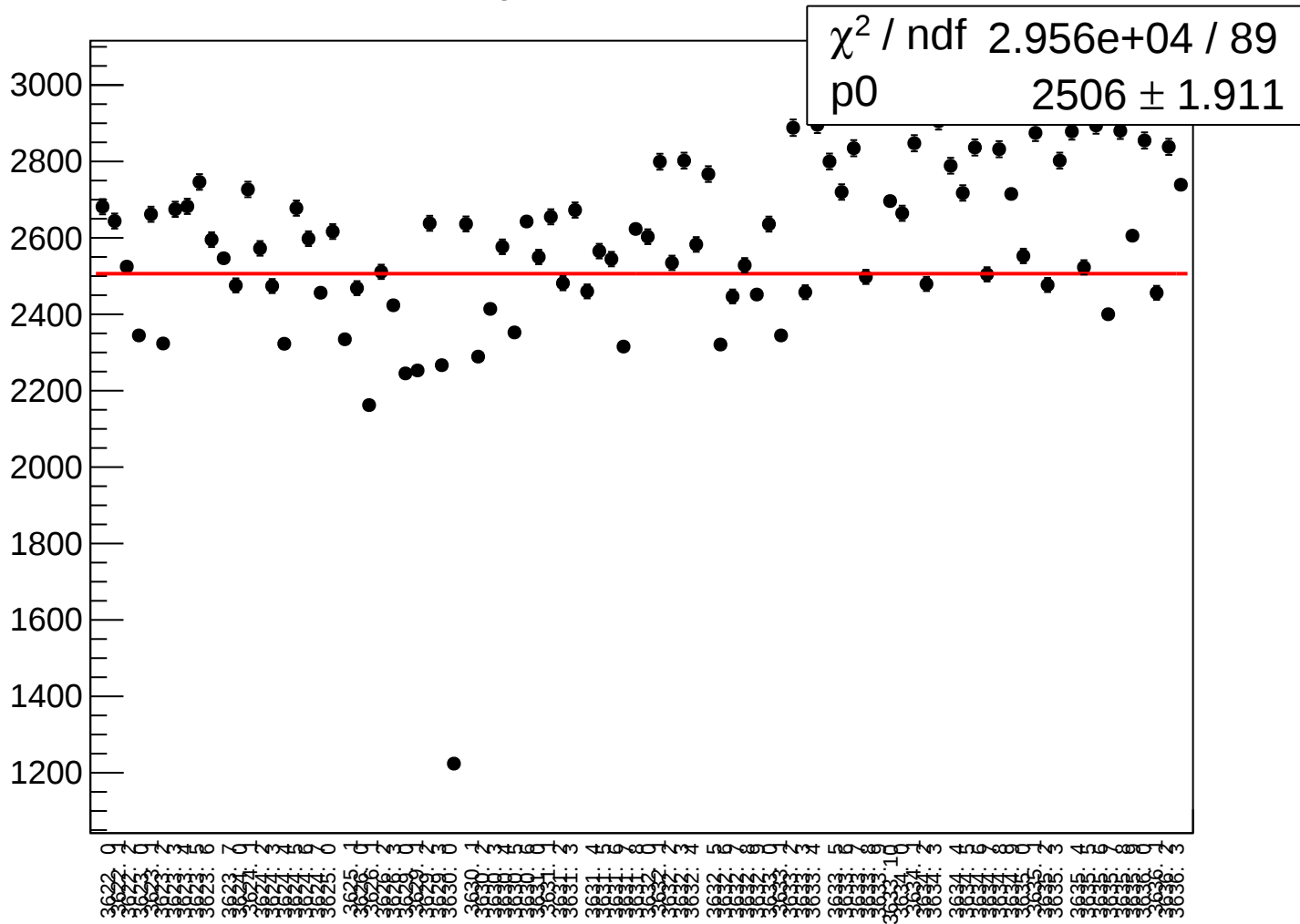
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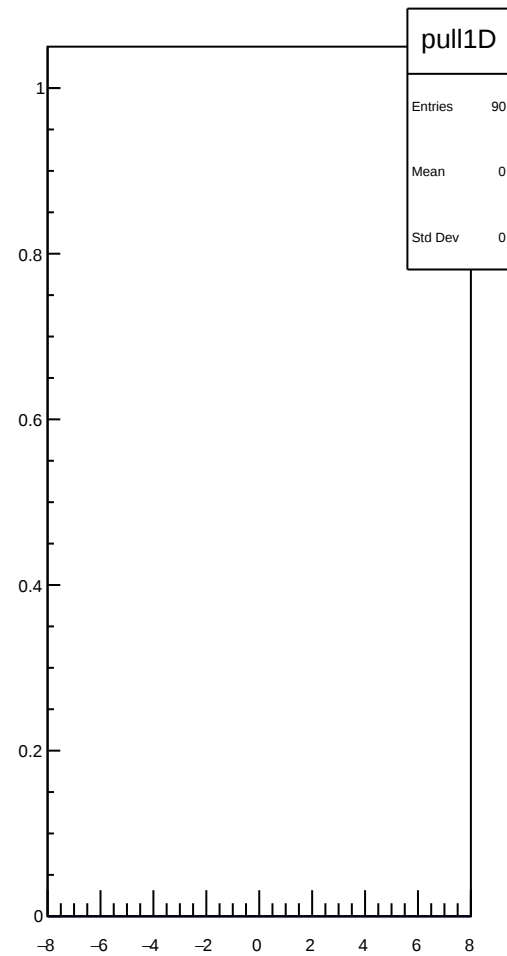
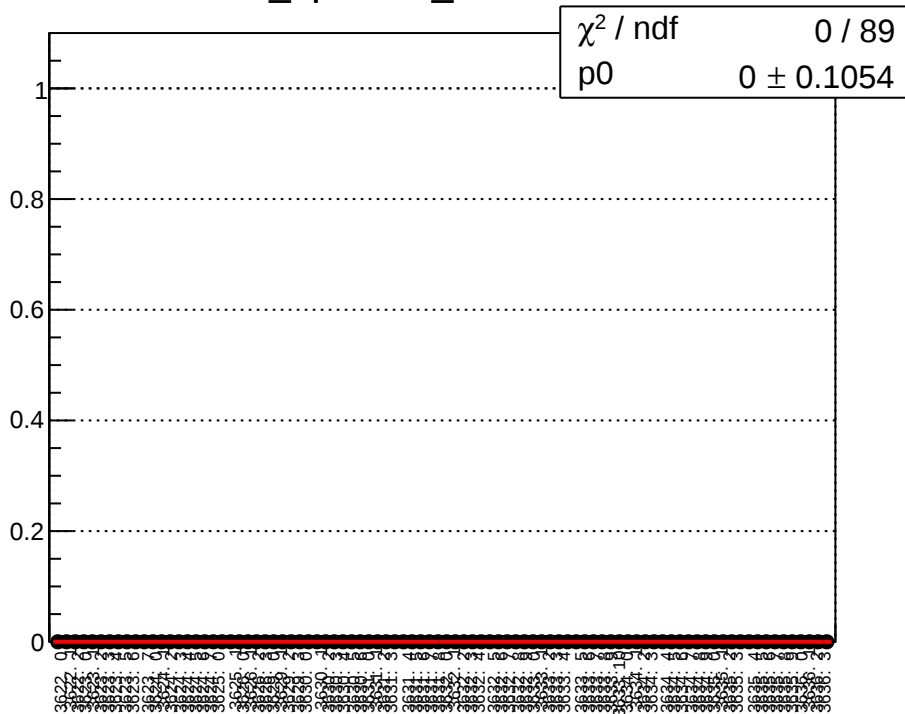
diff_bpm11Y_mean vs run



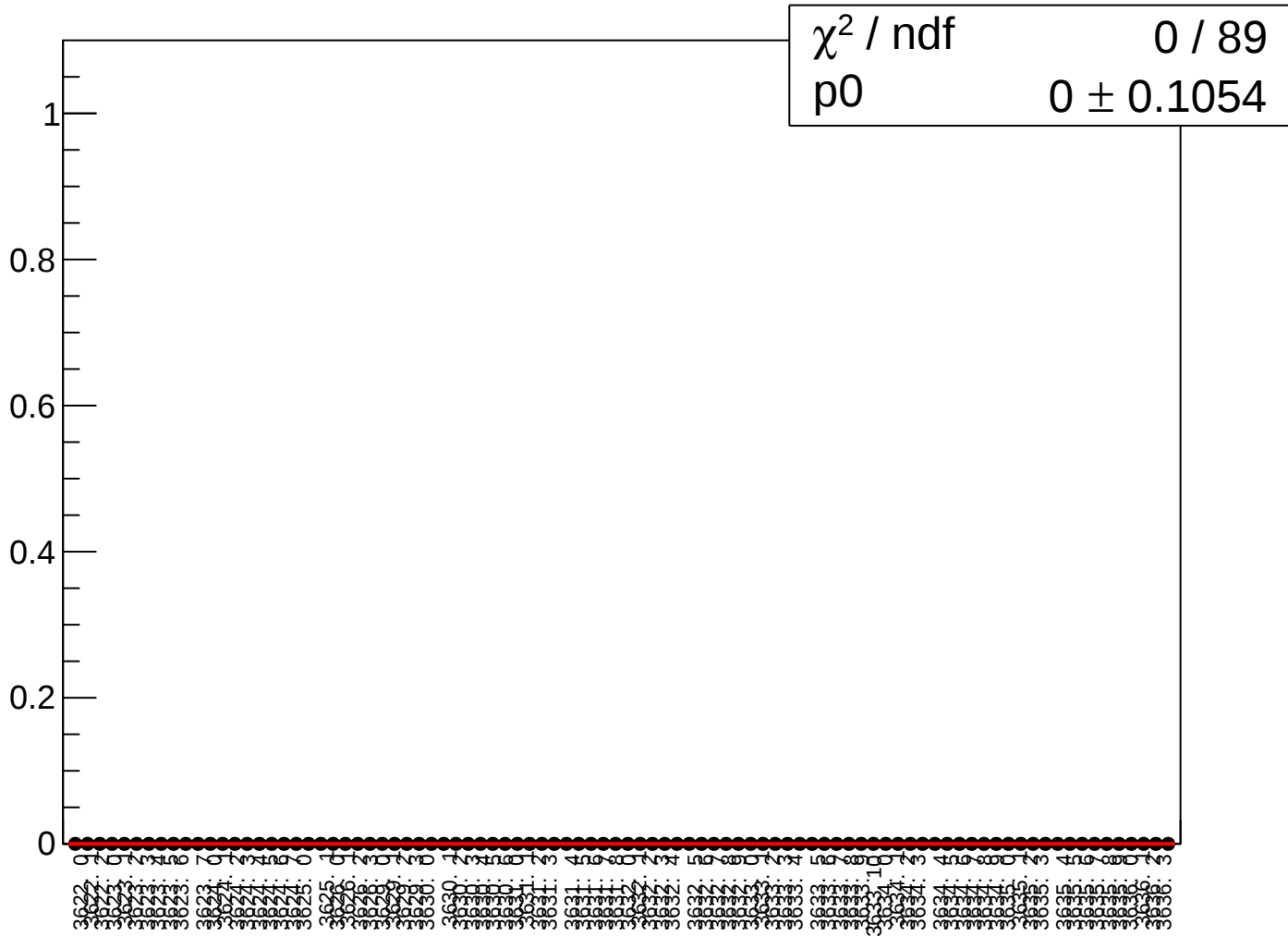
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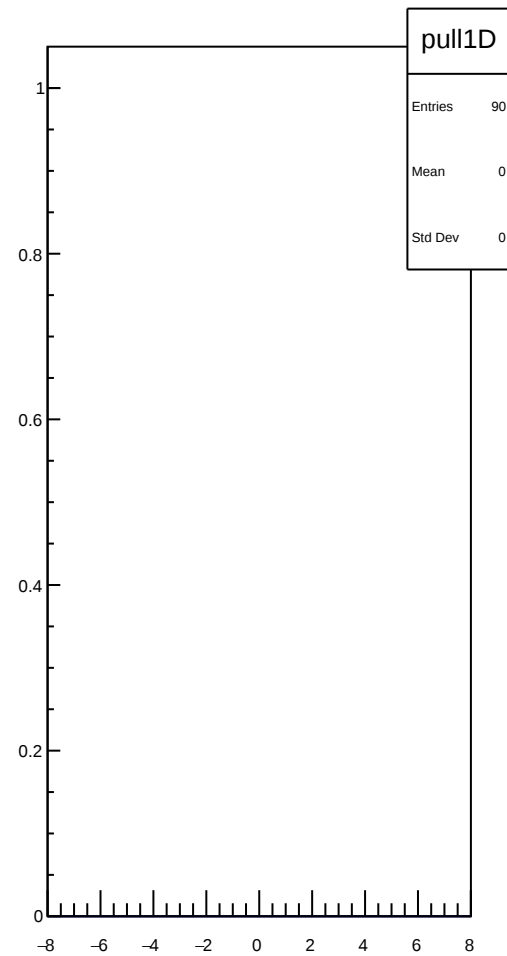
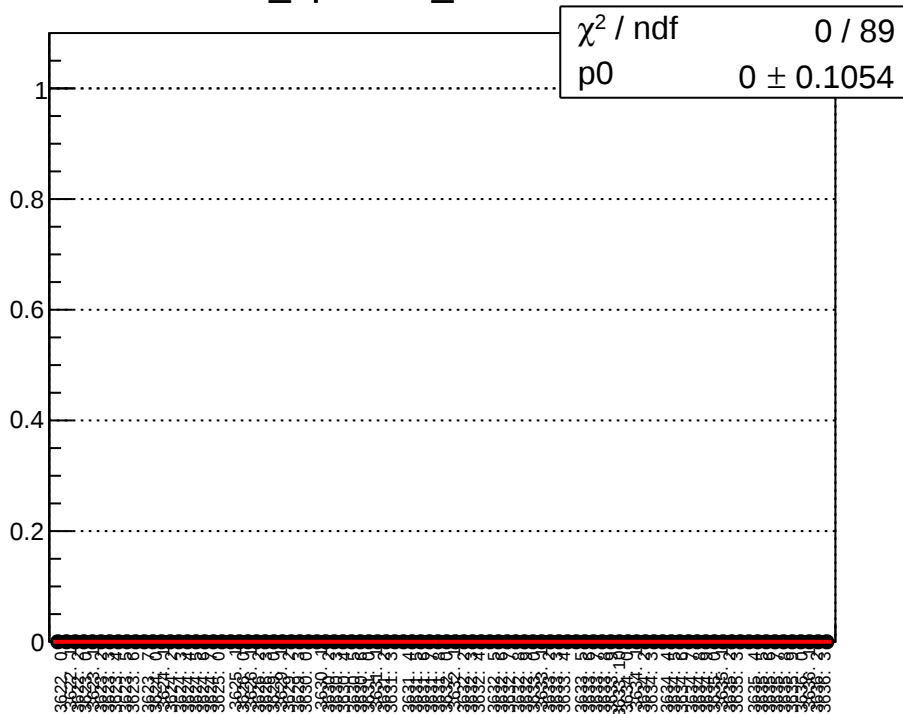
diff_bpm14X_mean vs run



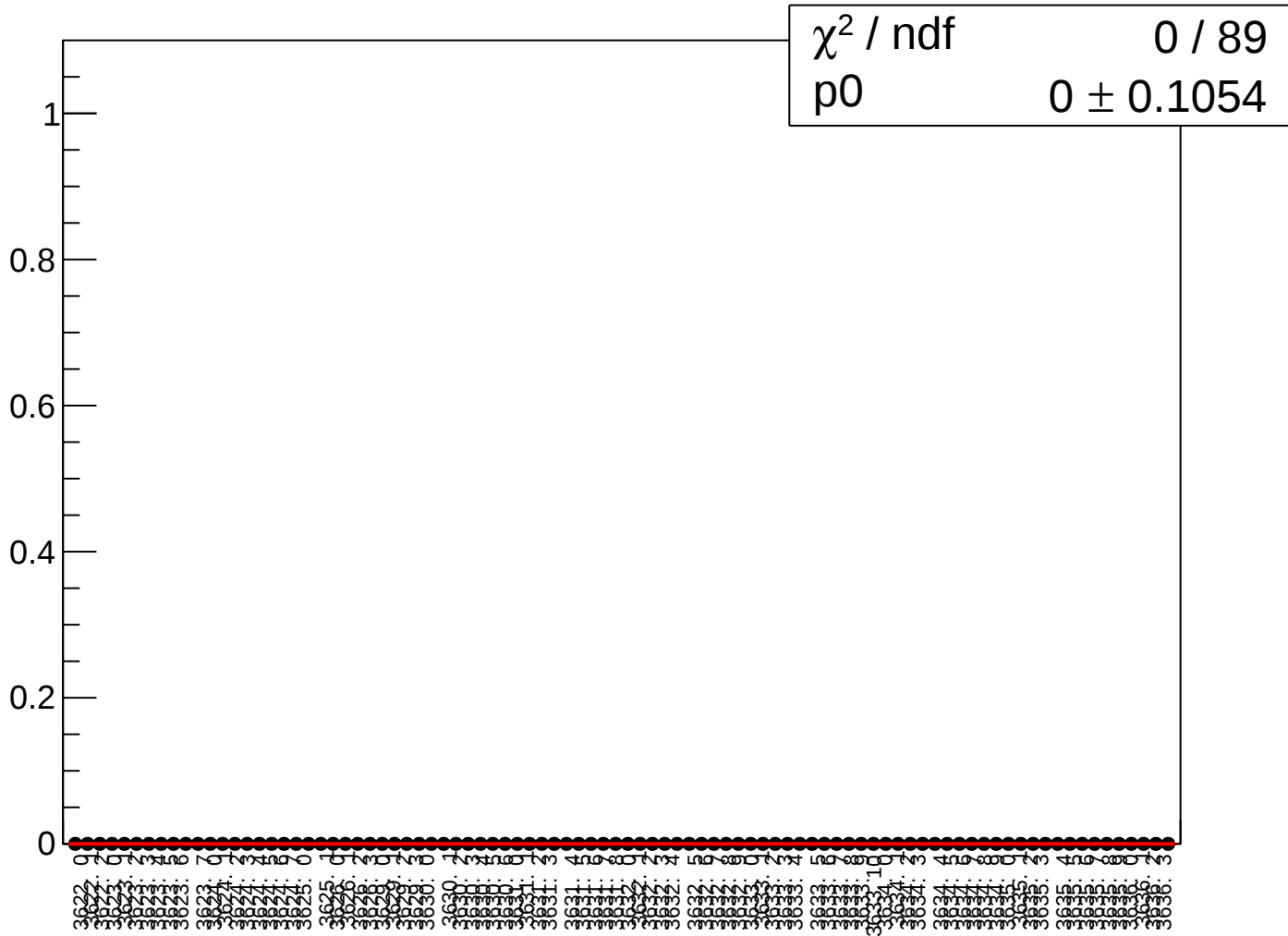
diff_bpm14X_rms vs run



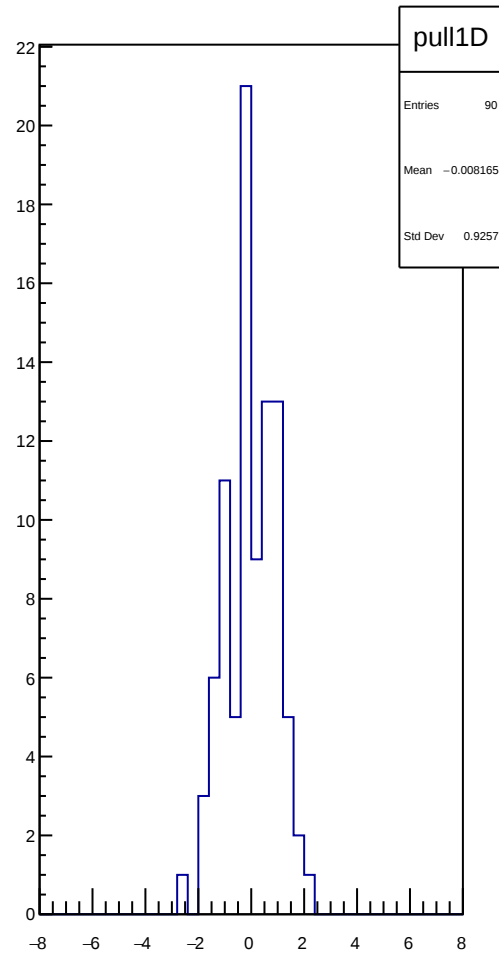
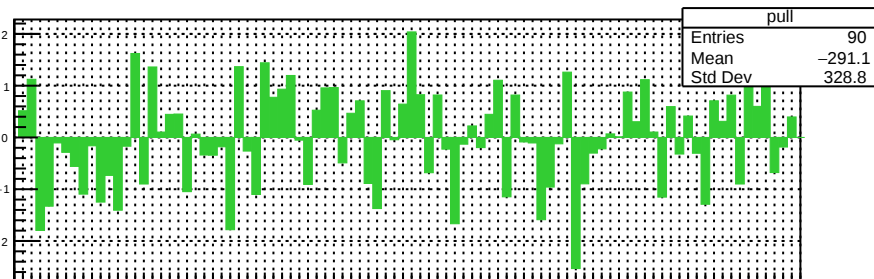
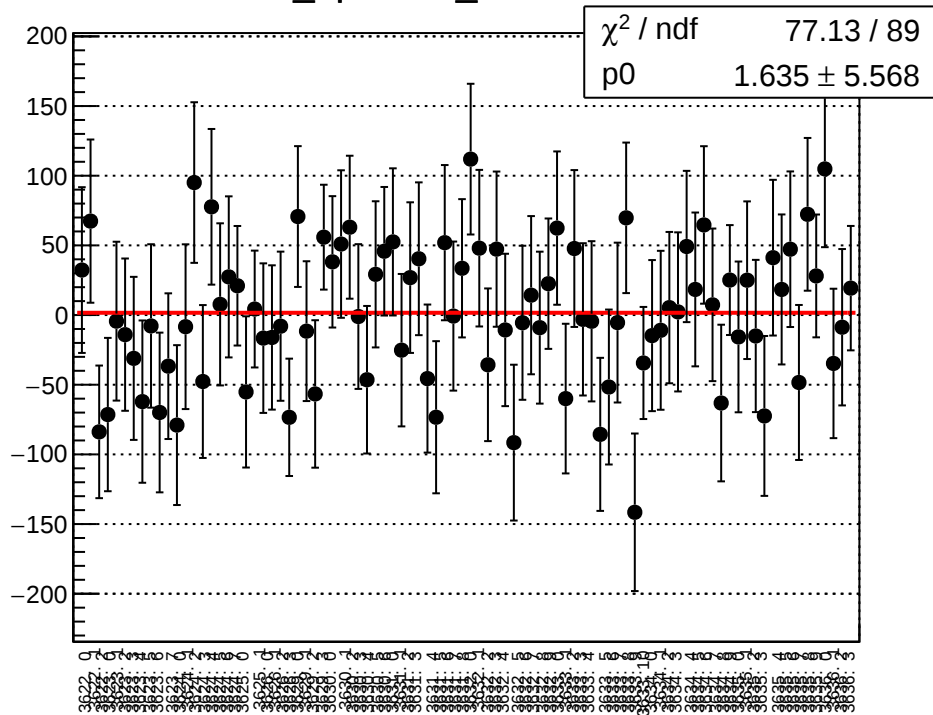
diff_bpm14Y_mean vs run



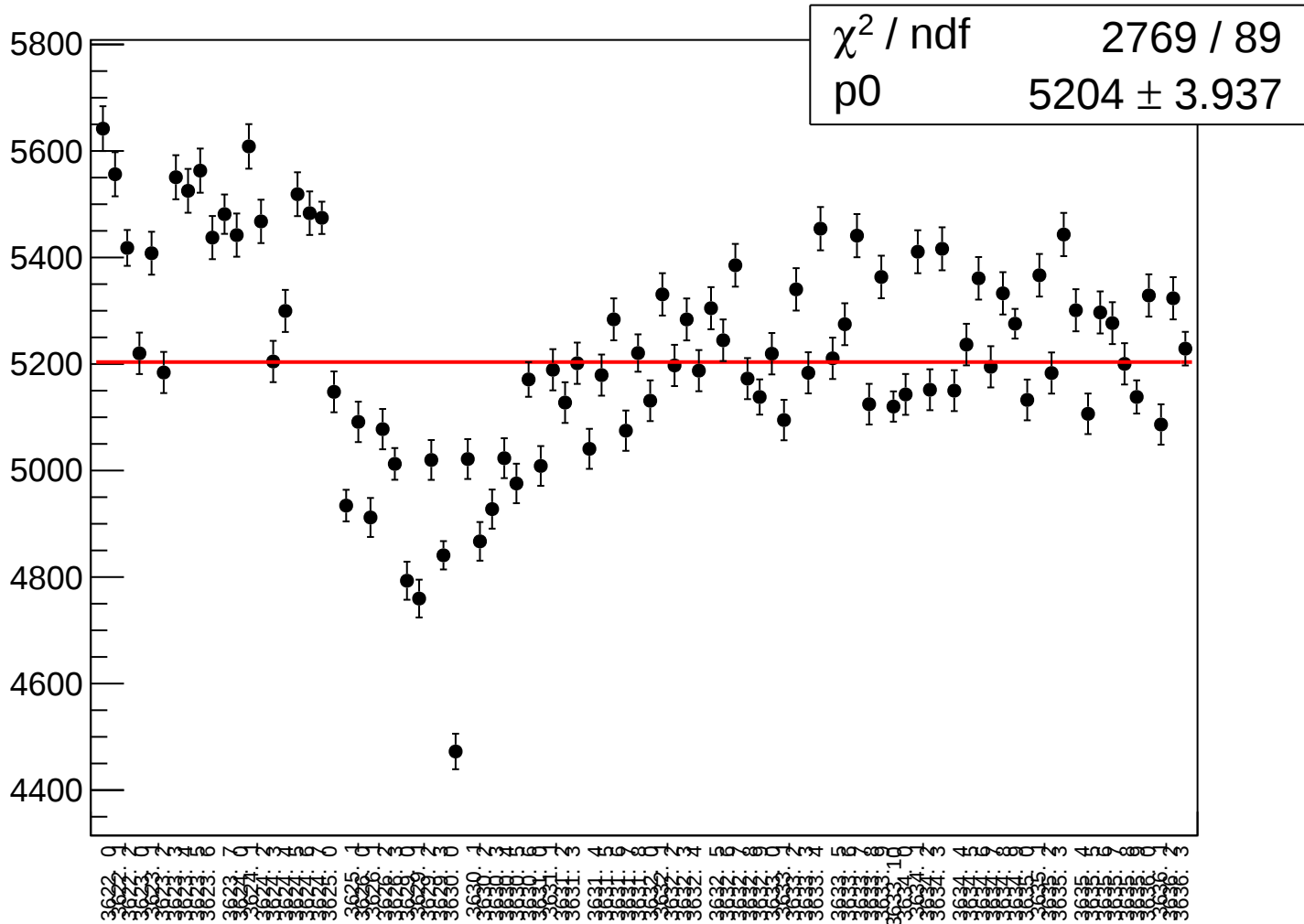
diff_bpm14Y_rms vs run



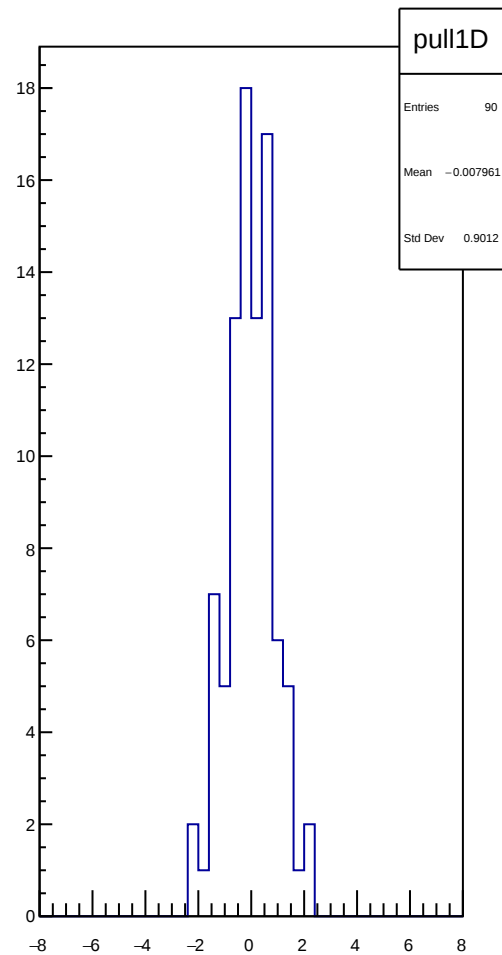
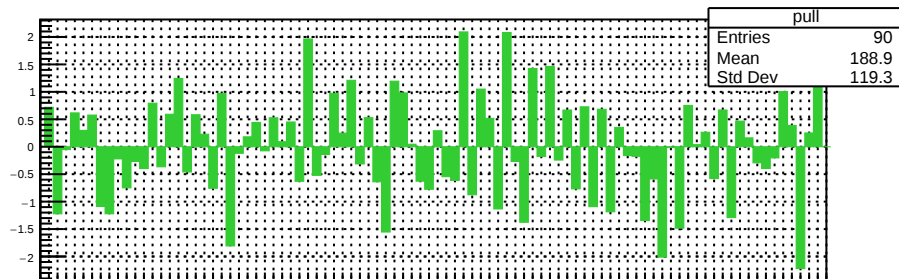
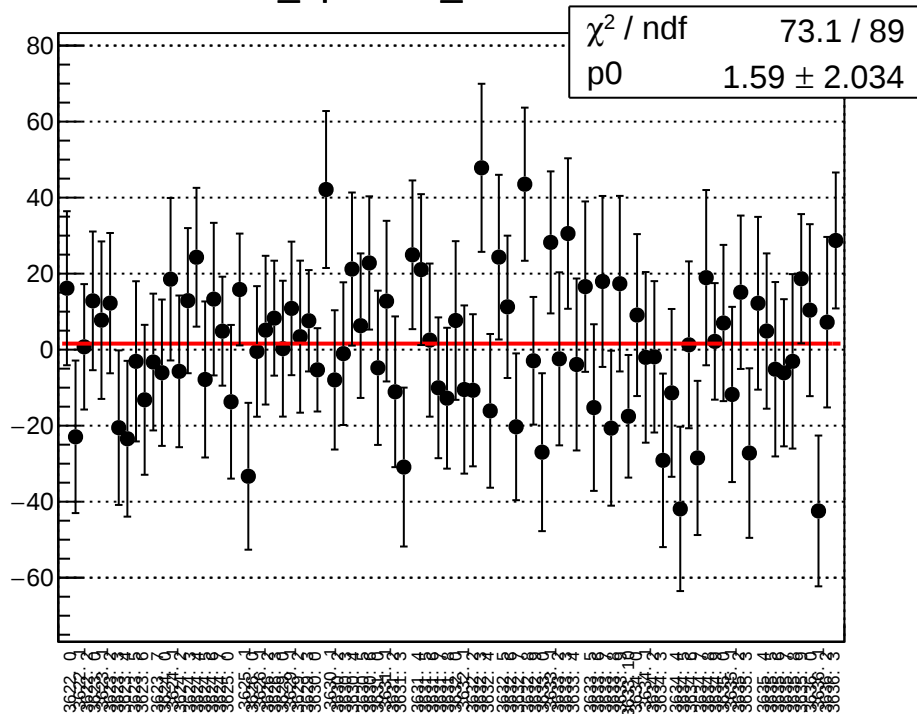
diff_bpm16X_mean vs un



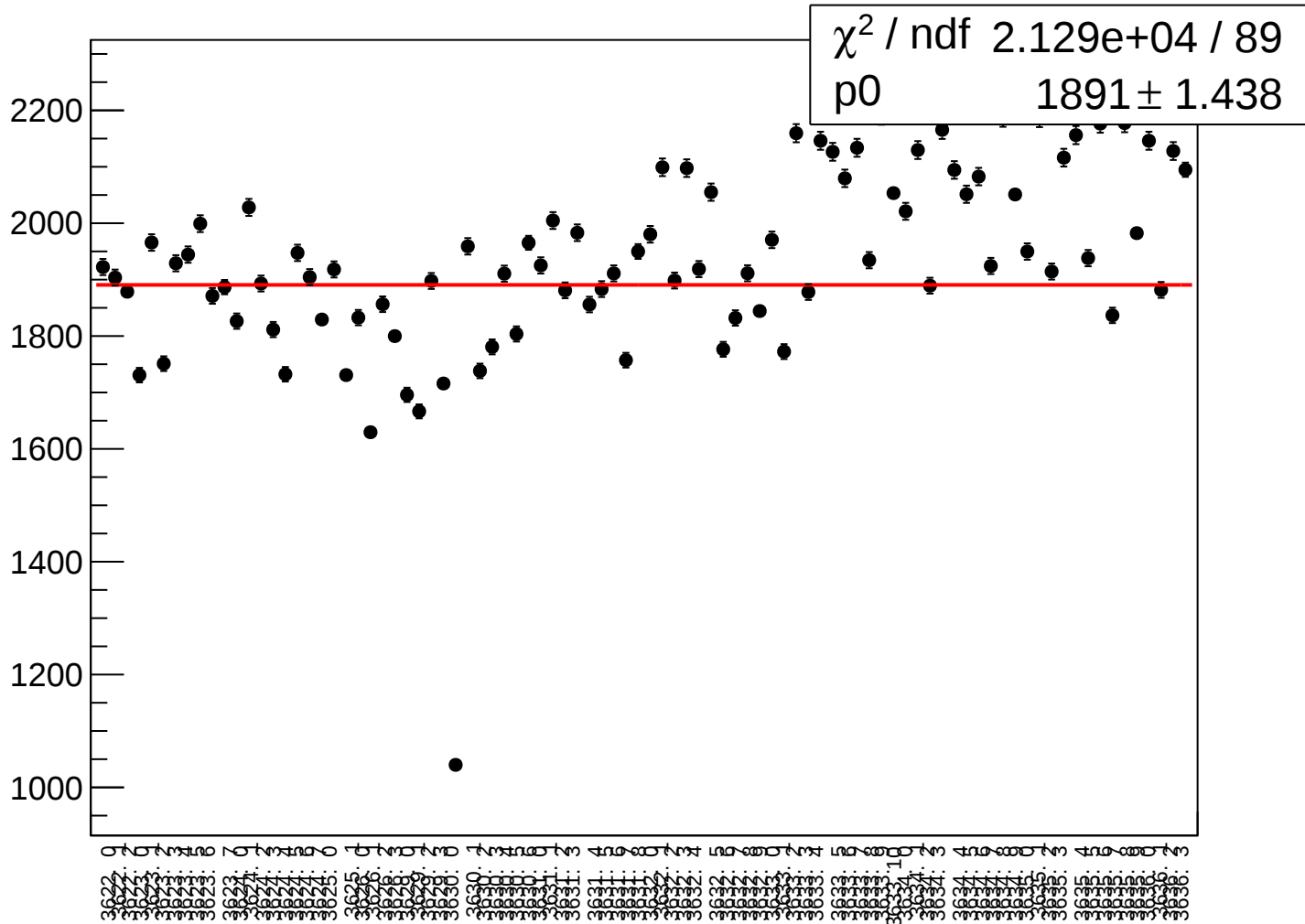
diff_bpm16X_rms vs run



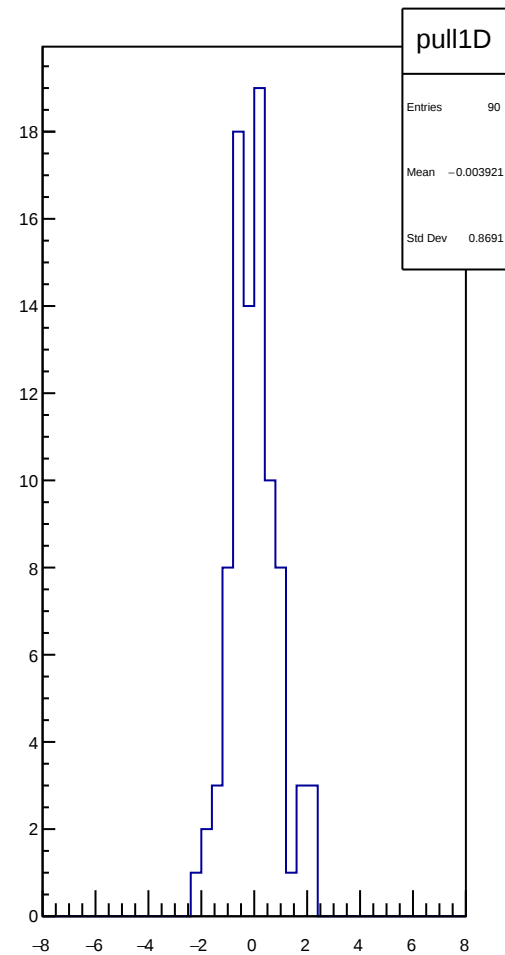
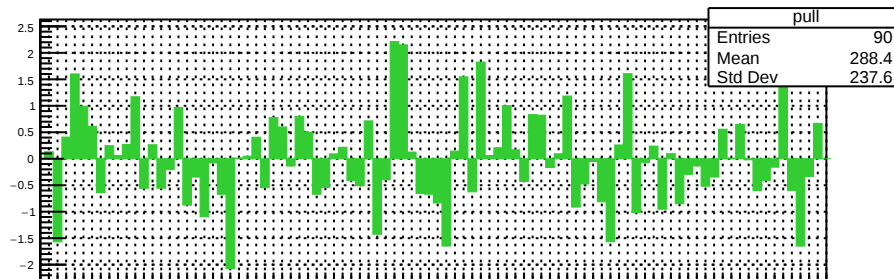
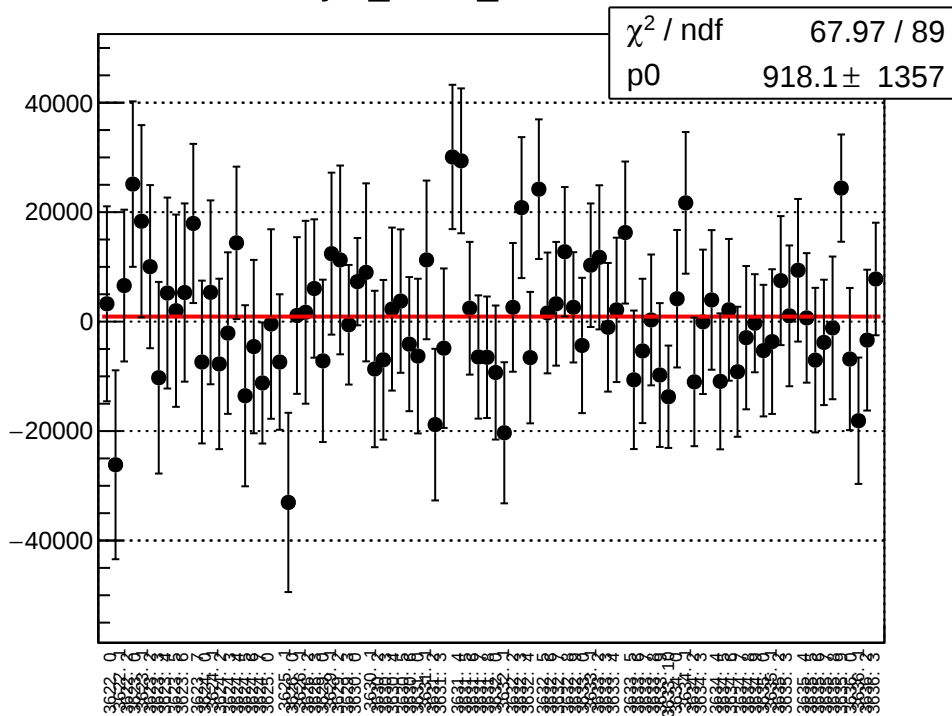
diff_bpm16Y_mean vs run



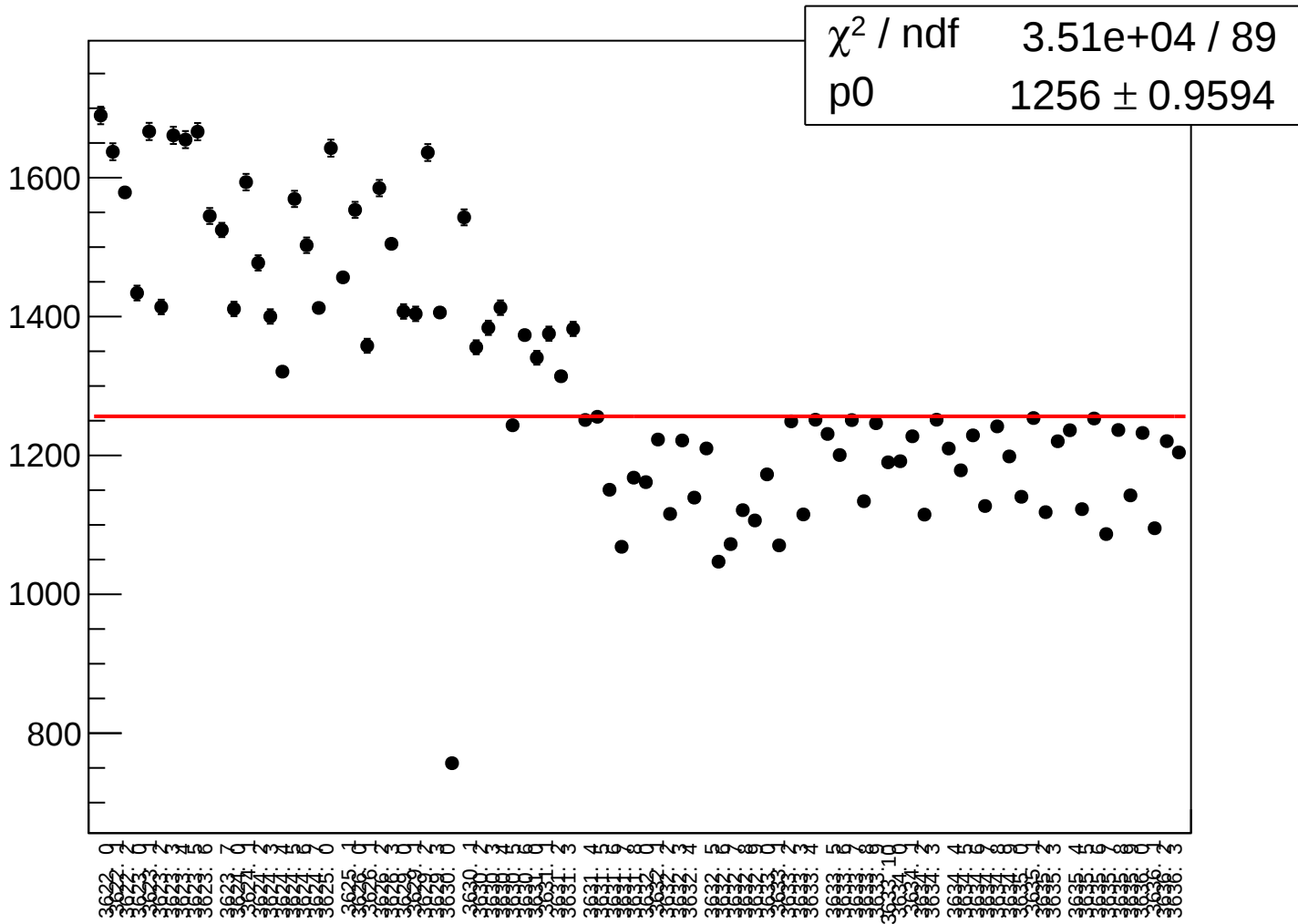
diff_bpm16Y_rms vs run



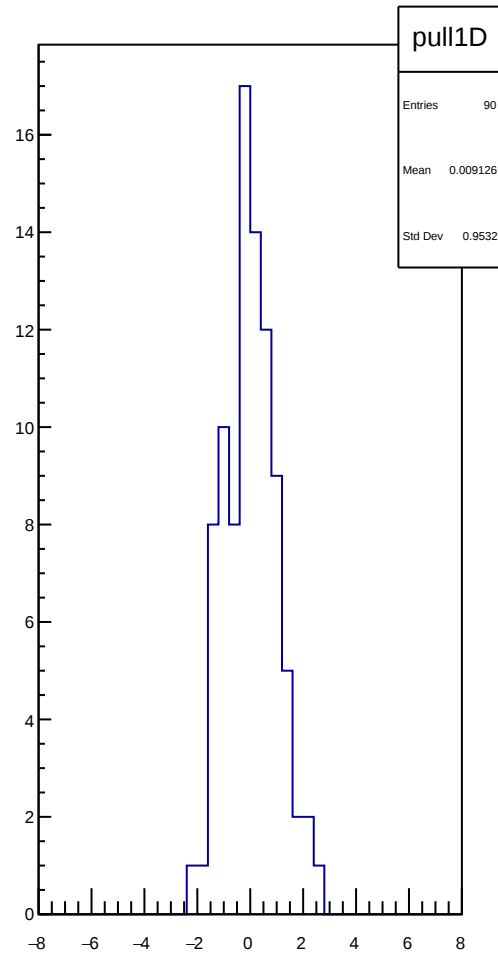
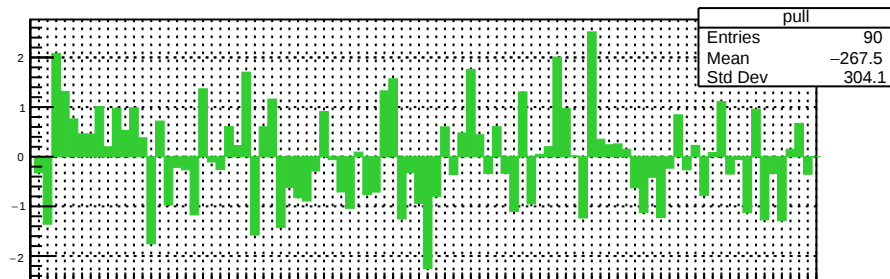
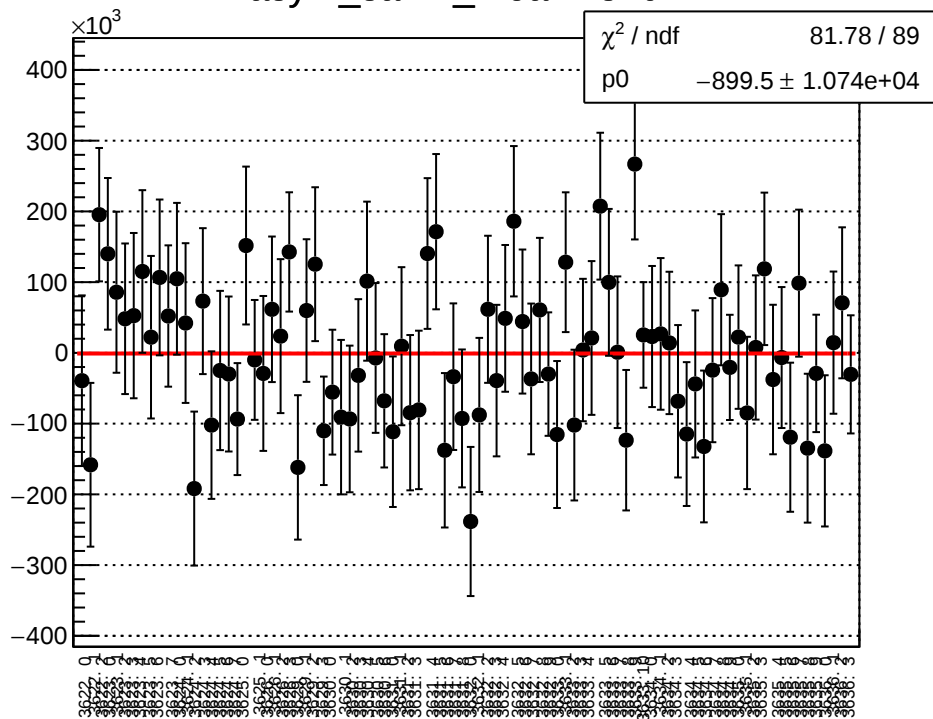
asym_sam1_mean vs run



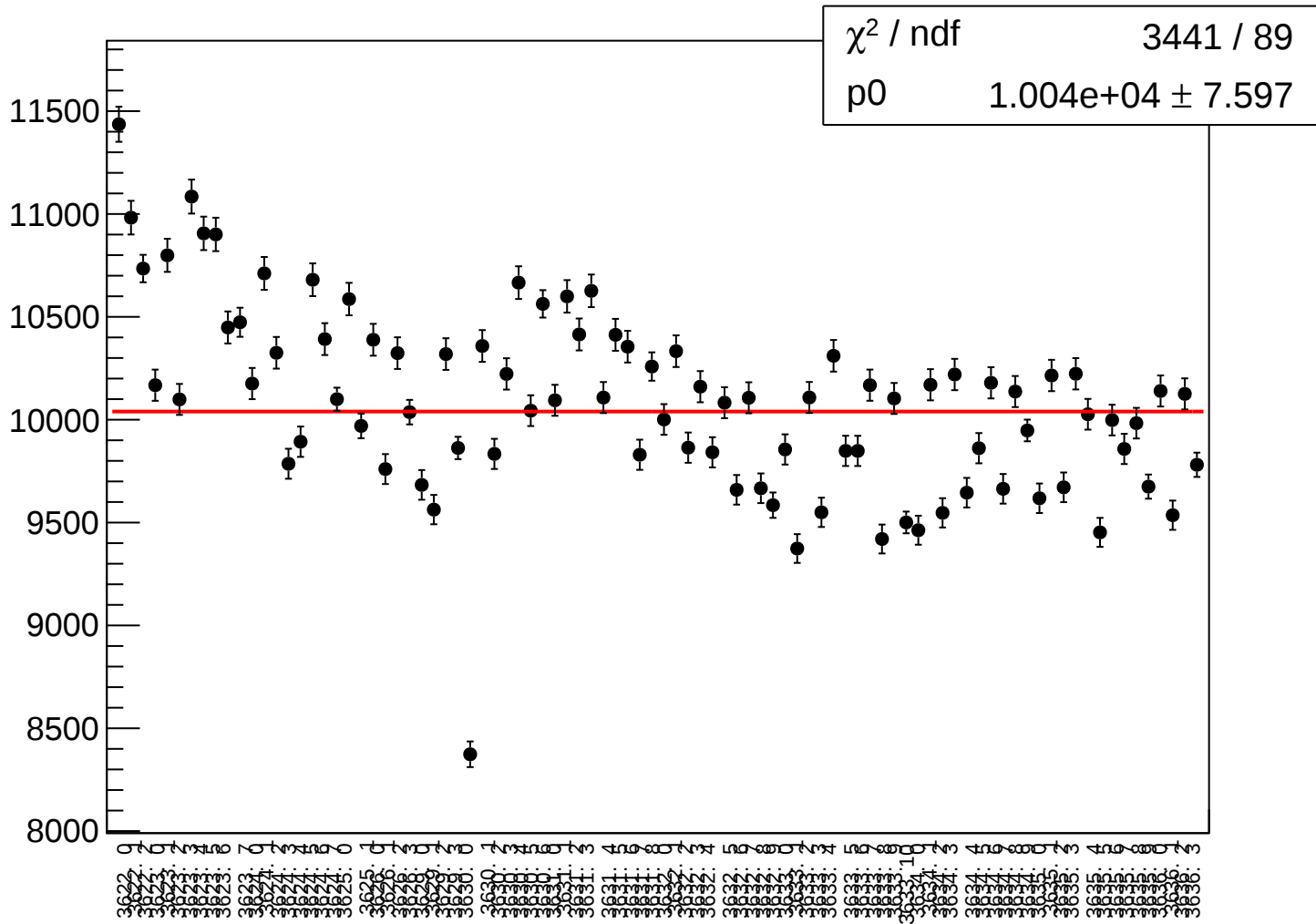
asym_sam1_rms vs run



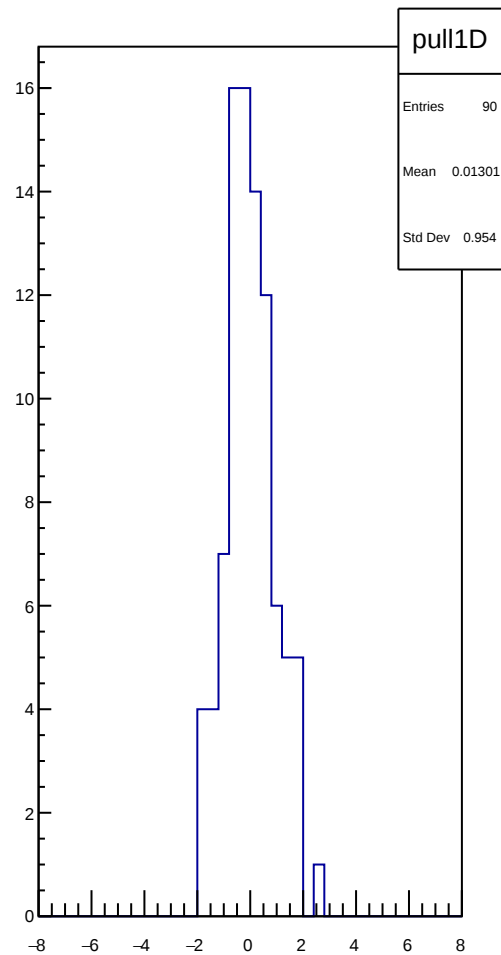
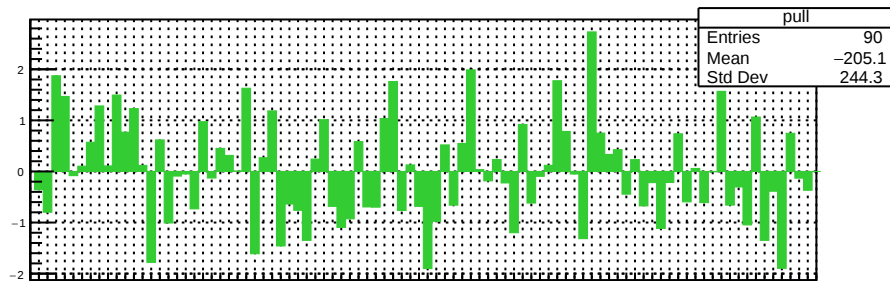
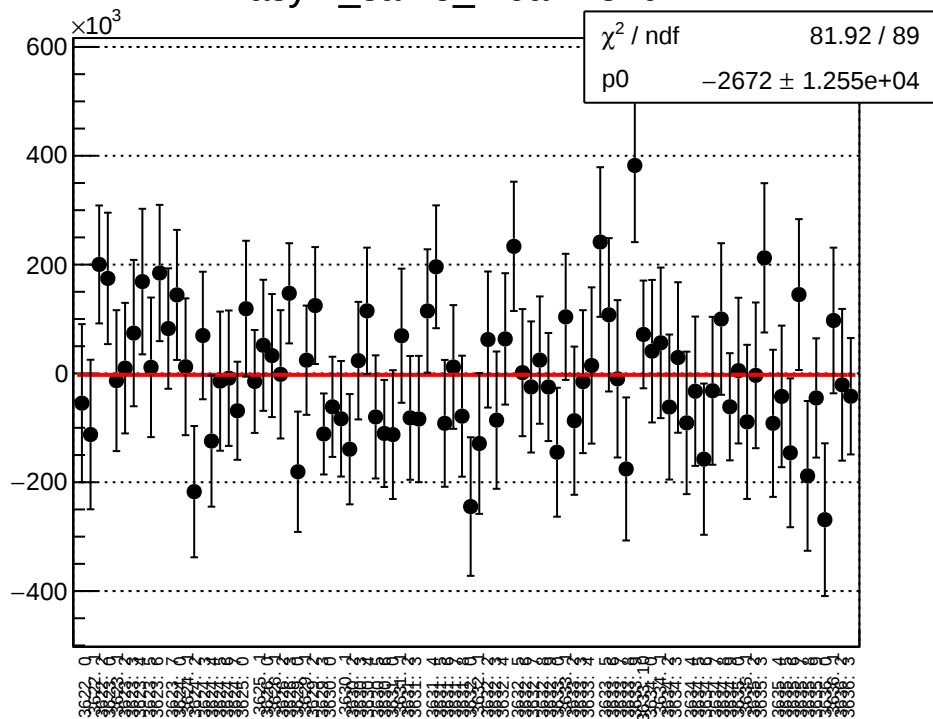
asym_sam2_mean vs run



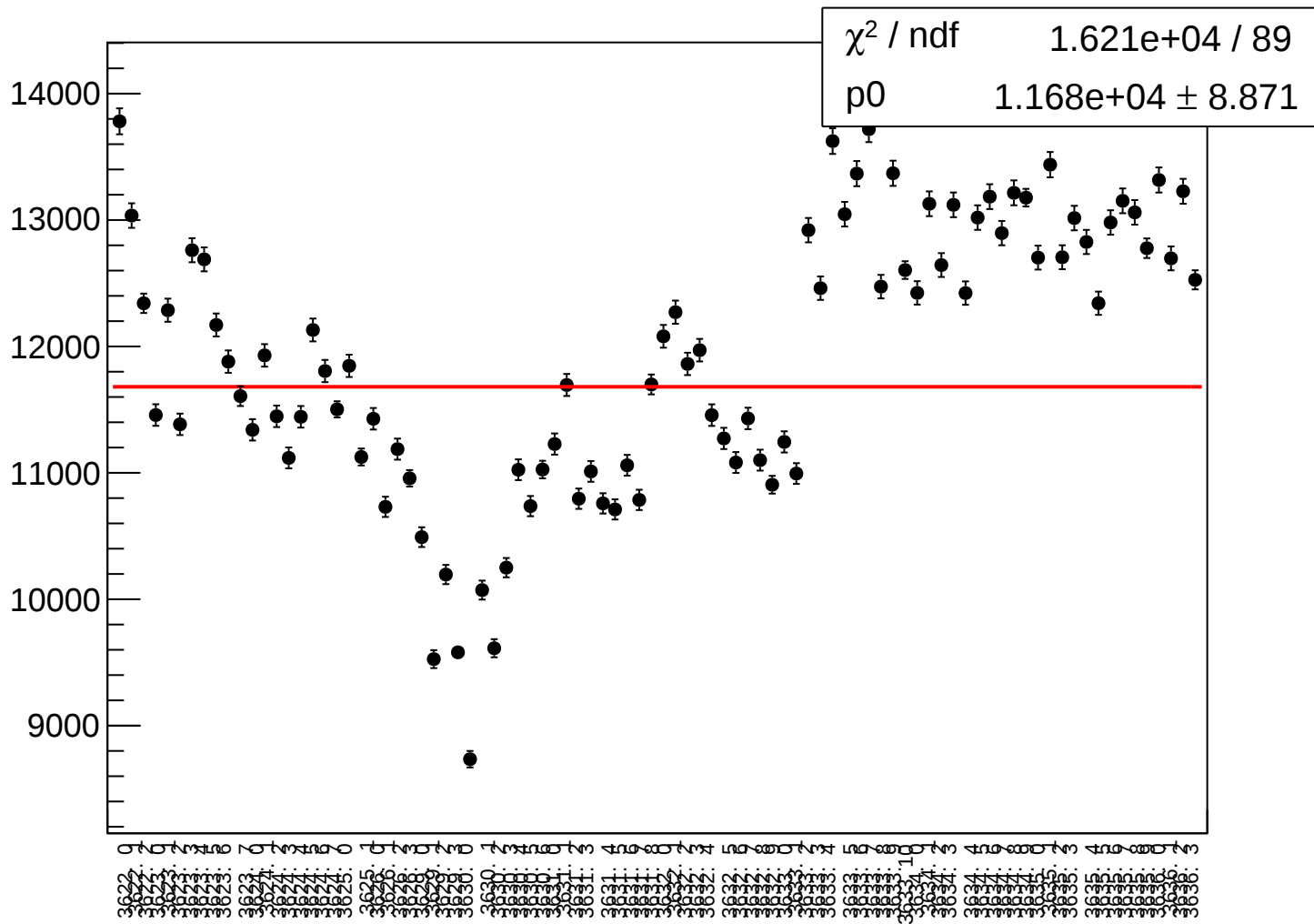
asym_sam2_rms vs run



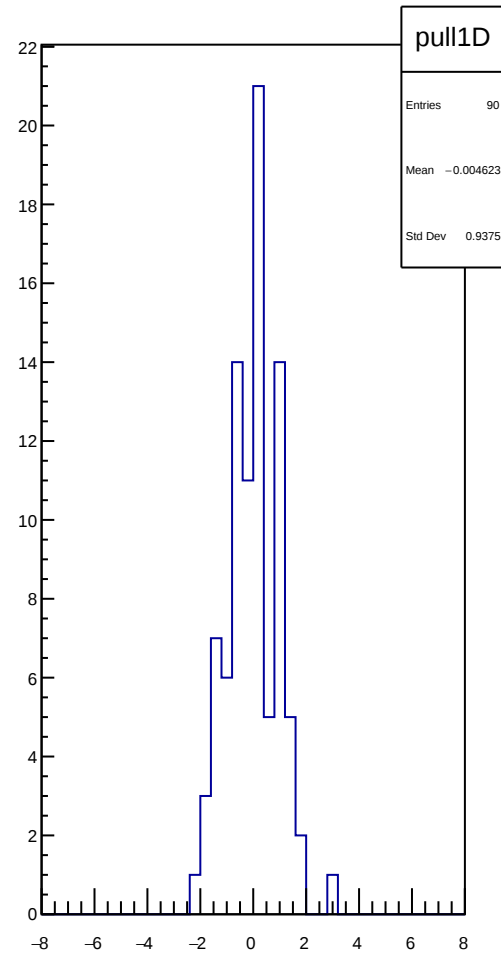
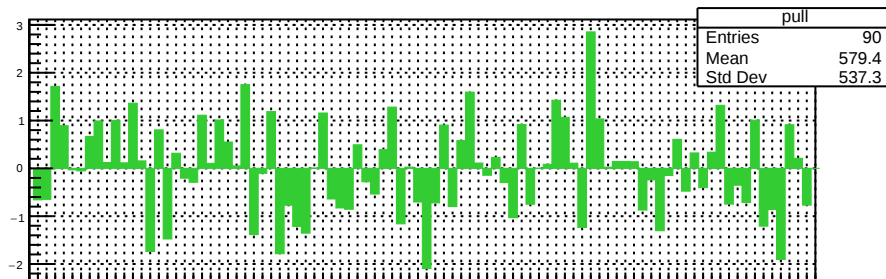
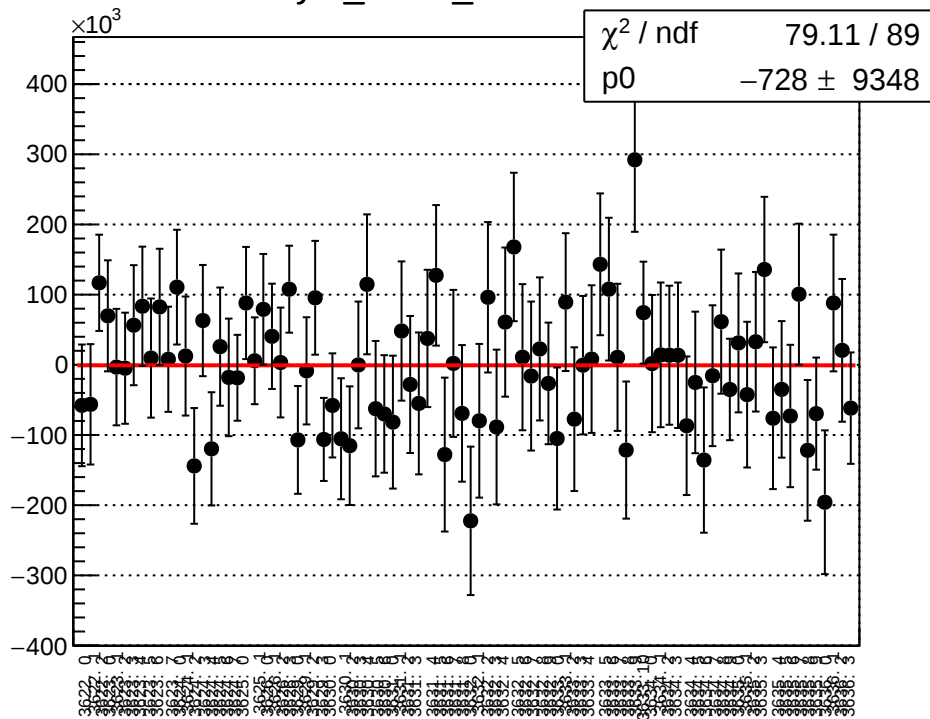
asym_sam3_mean vs run



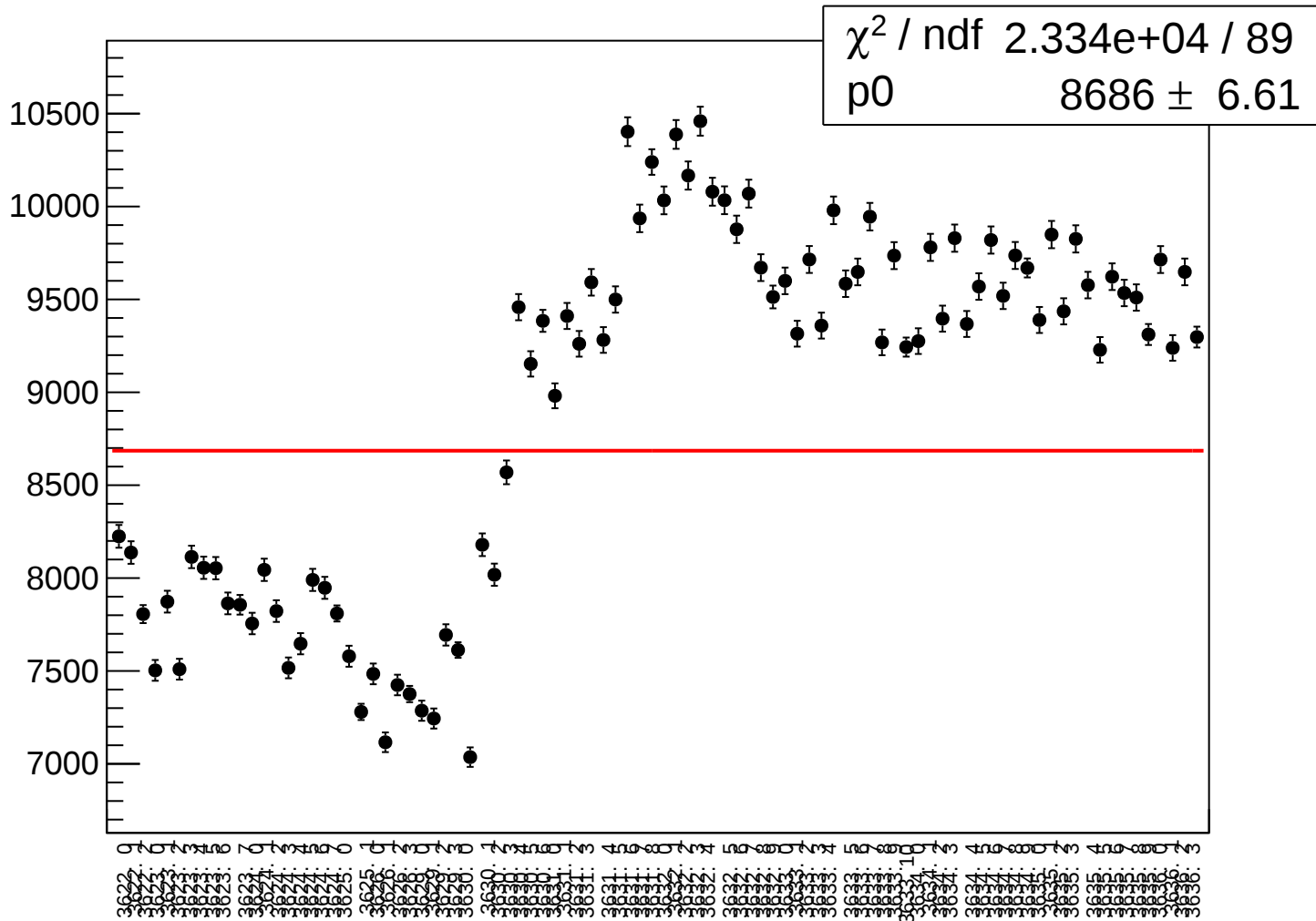
asym_sam3_rms vs run



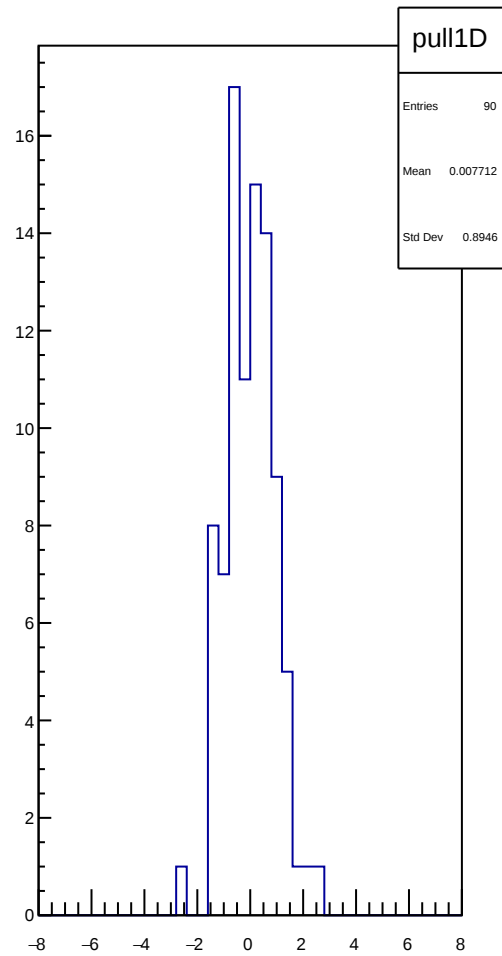
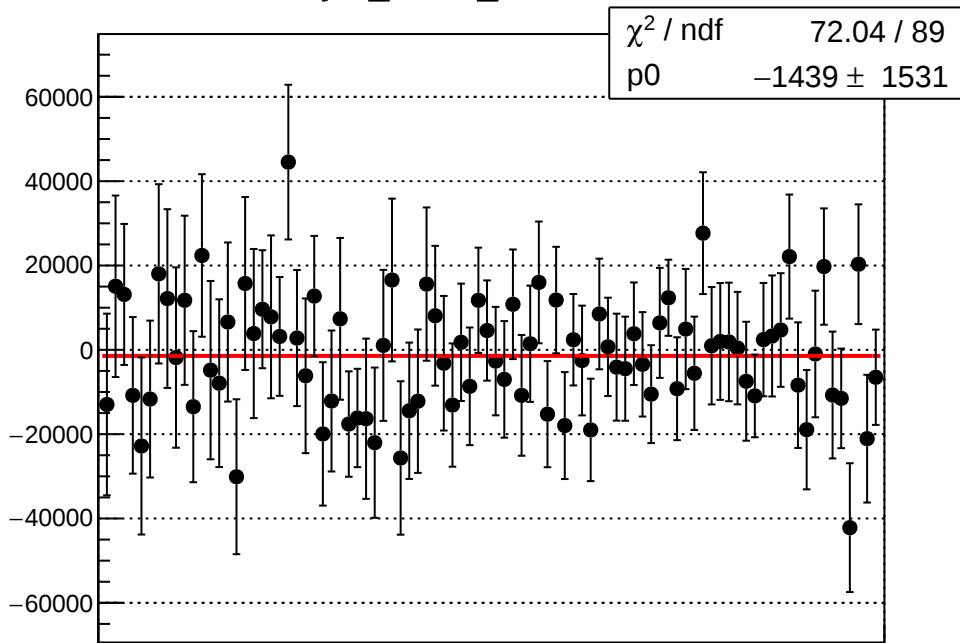
asym_sam4_mean vs run



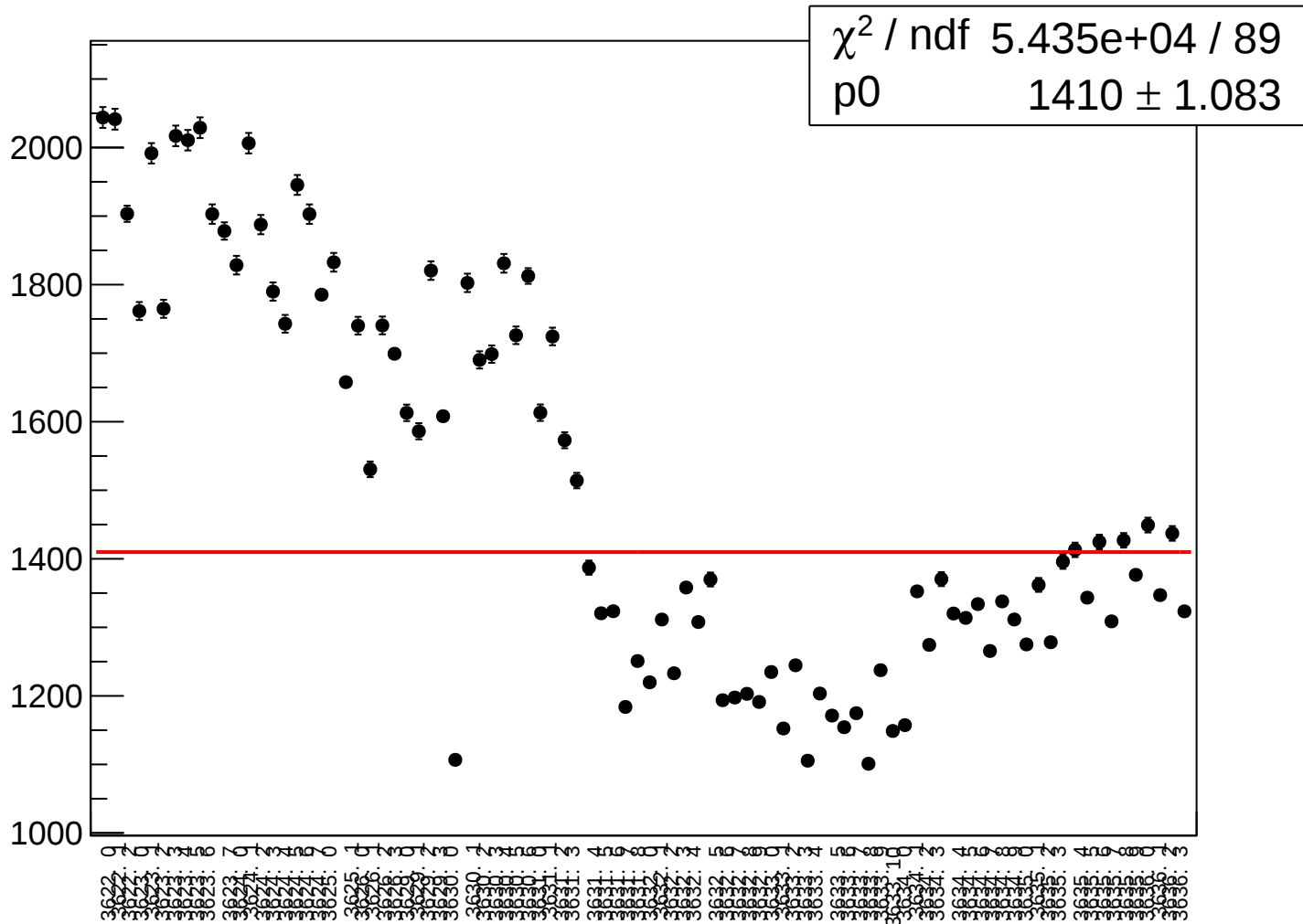
asym_sam4_rms vs run



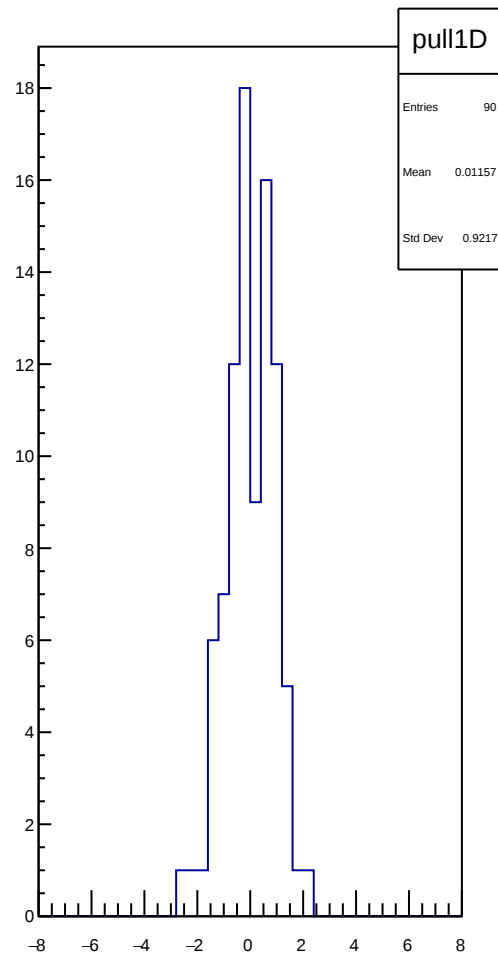
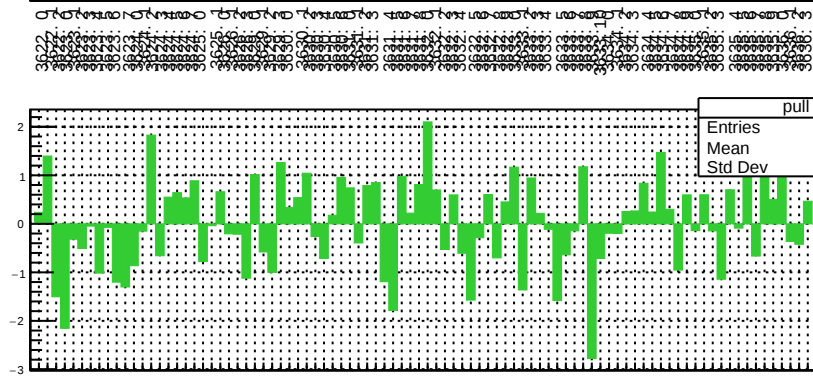
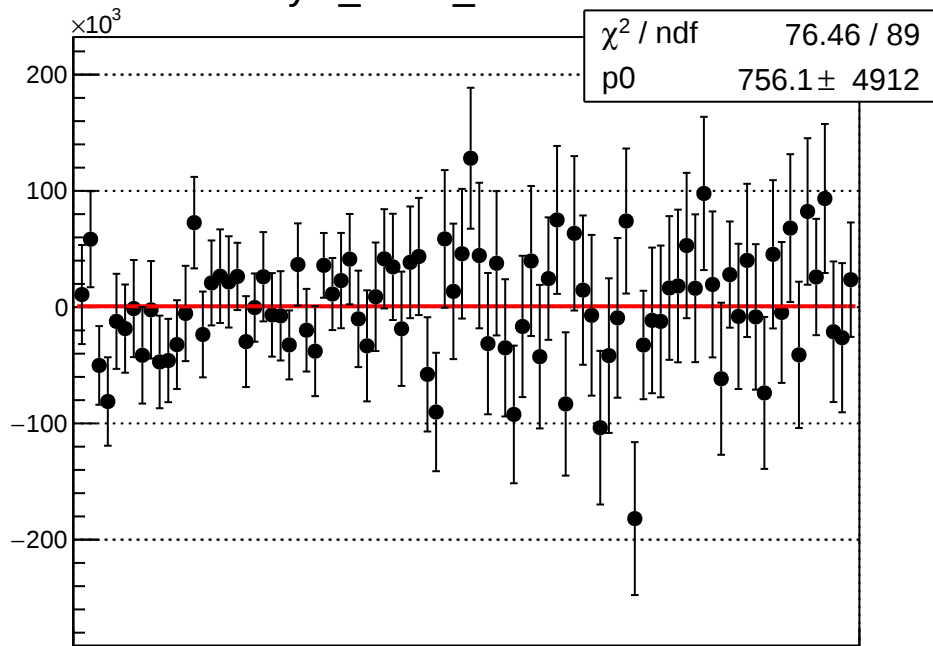
asym_sam5_mean vs run



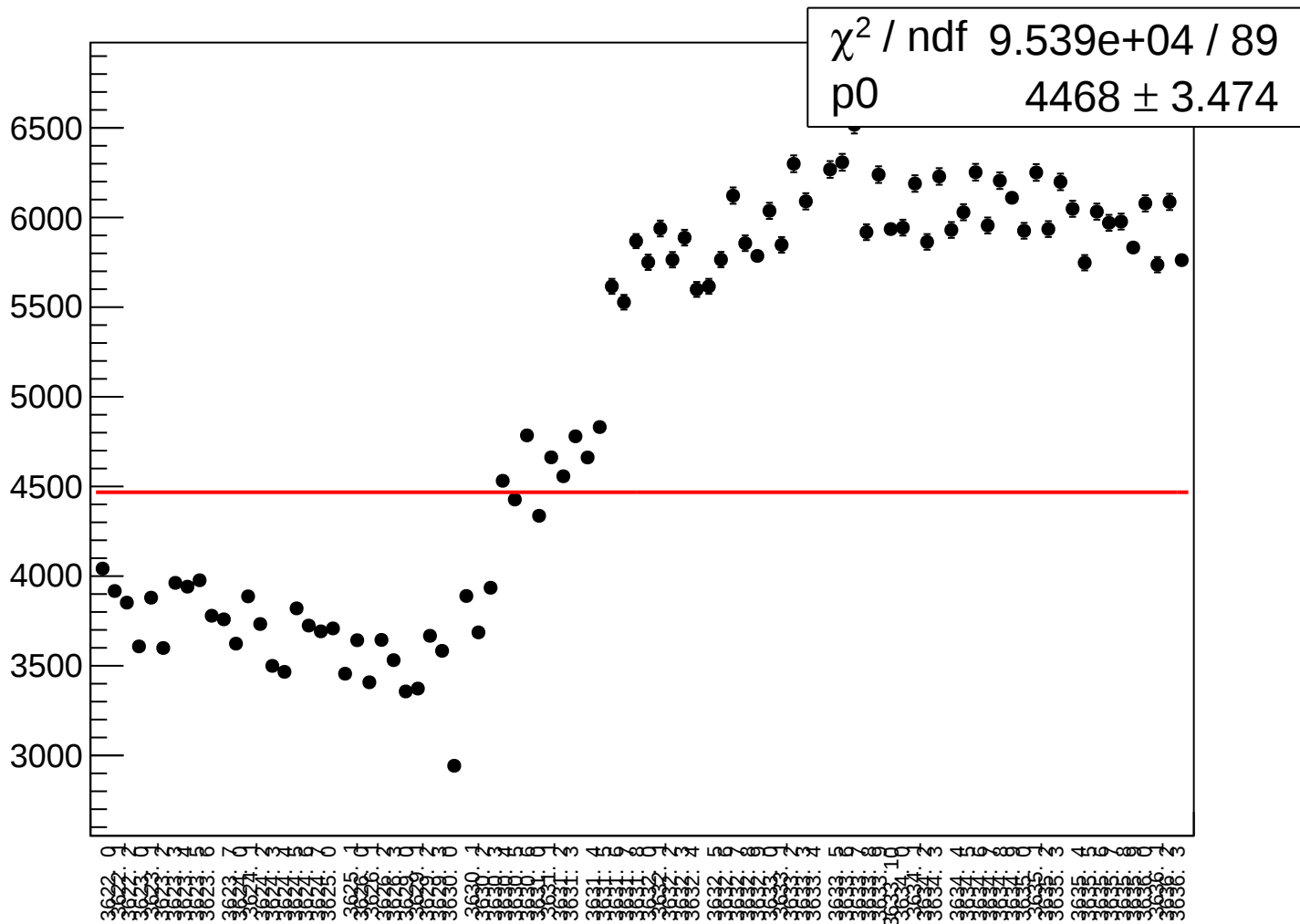
asym_sam5_rms vs run



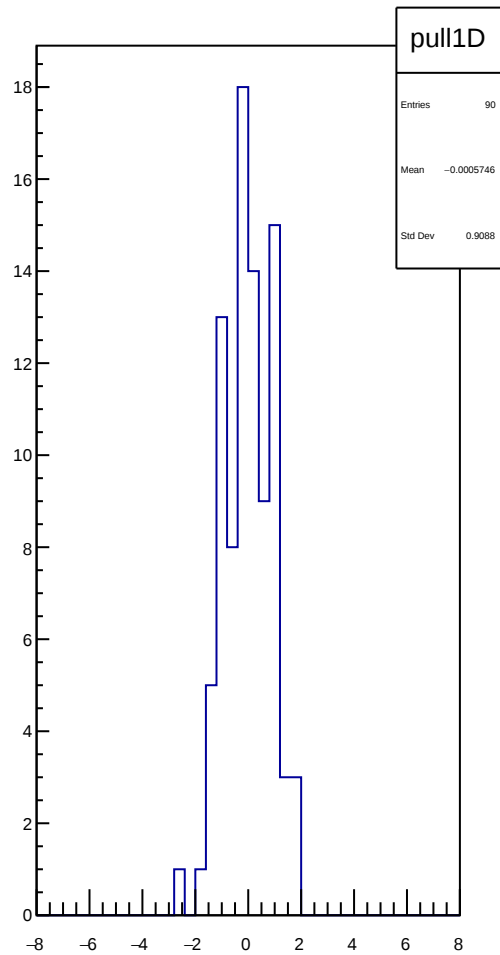
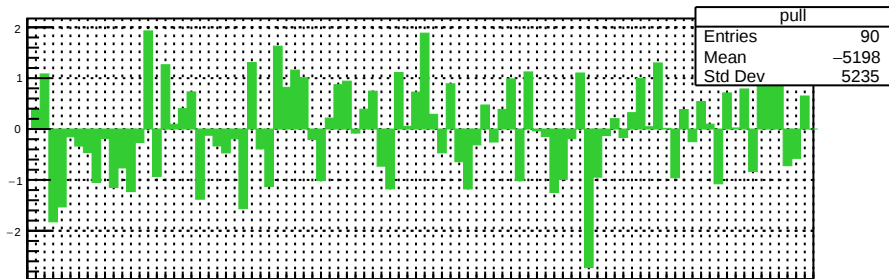
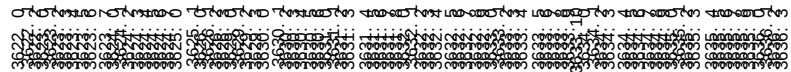
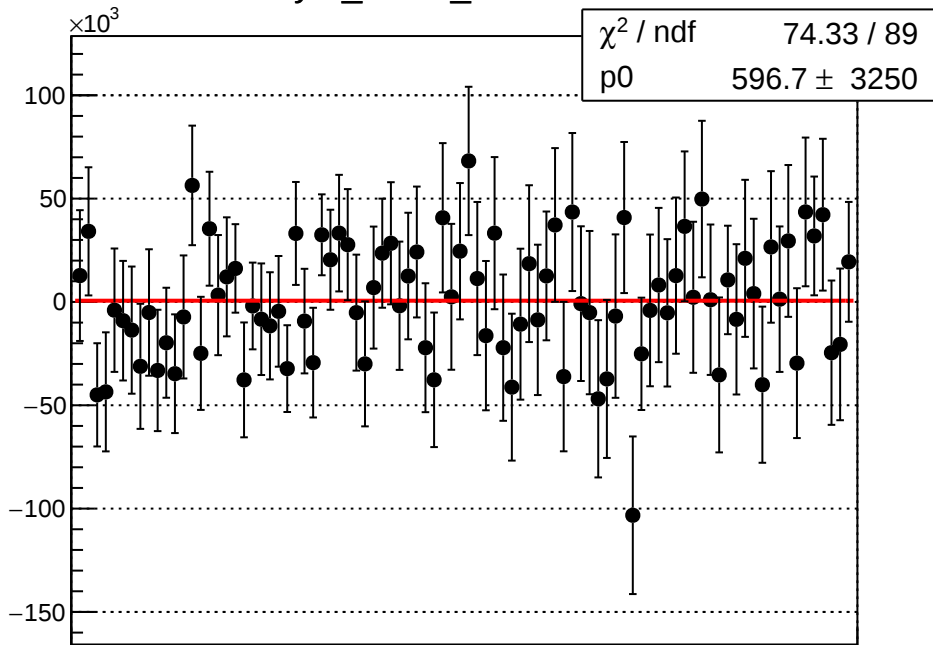
asym_sam6_mean vs run



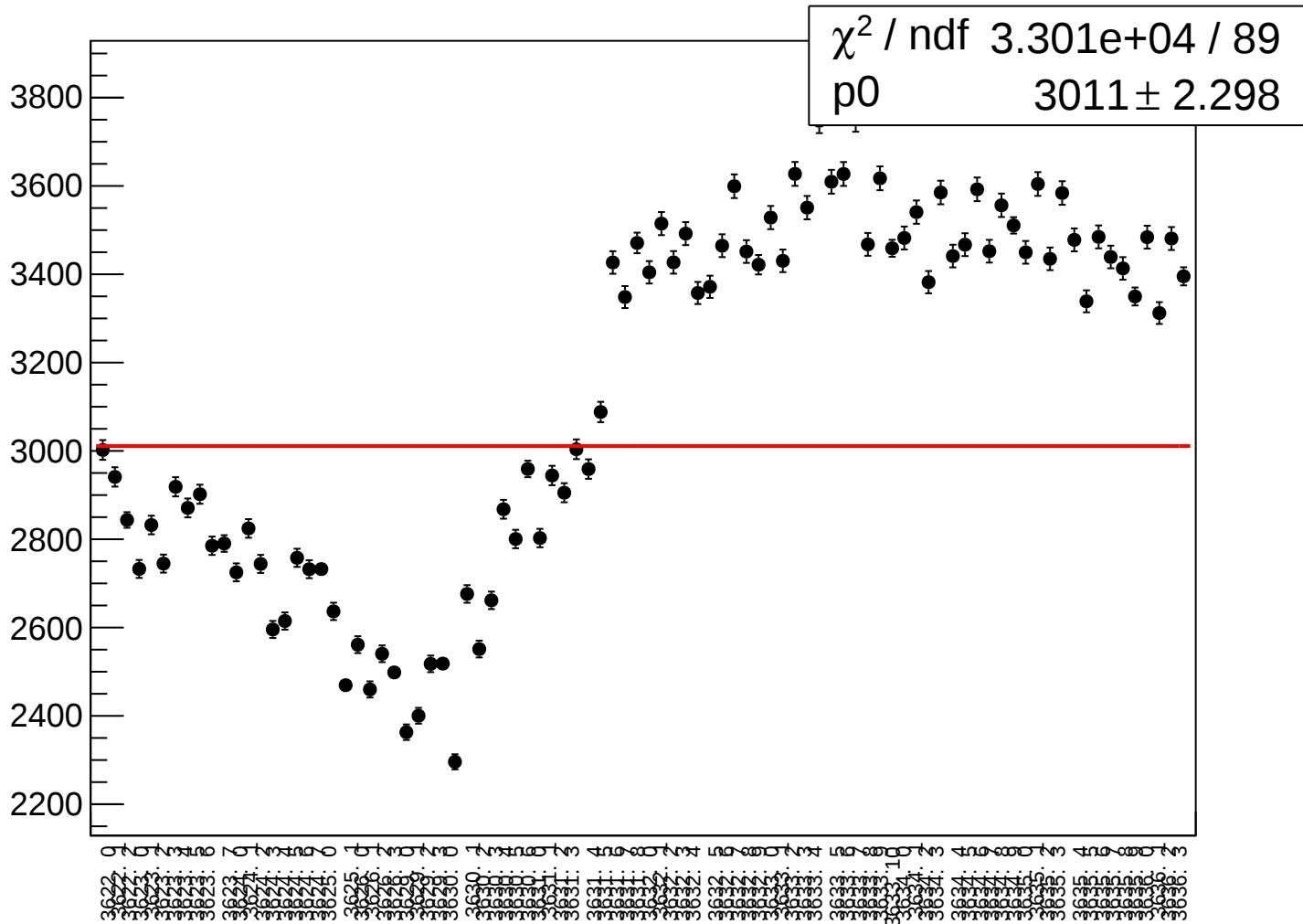
asym_sam6_rms vs run



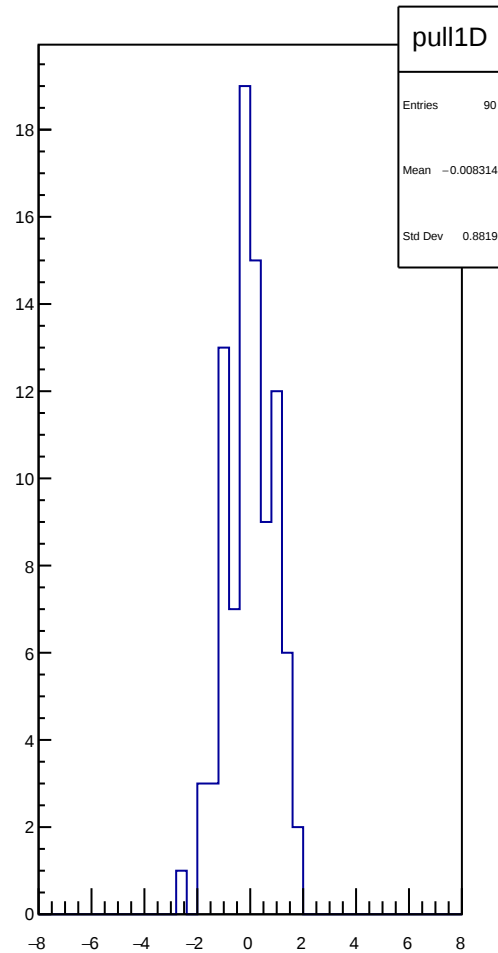
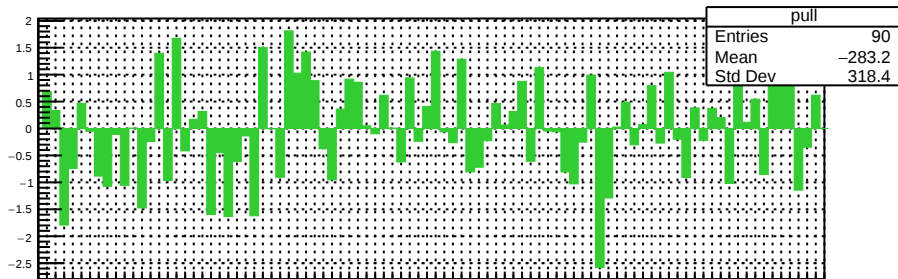
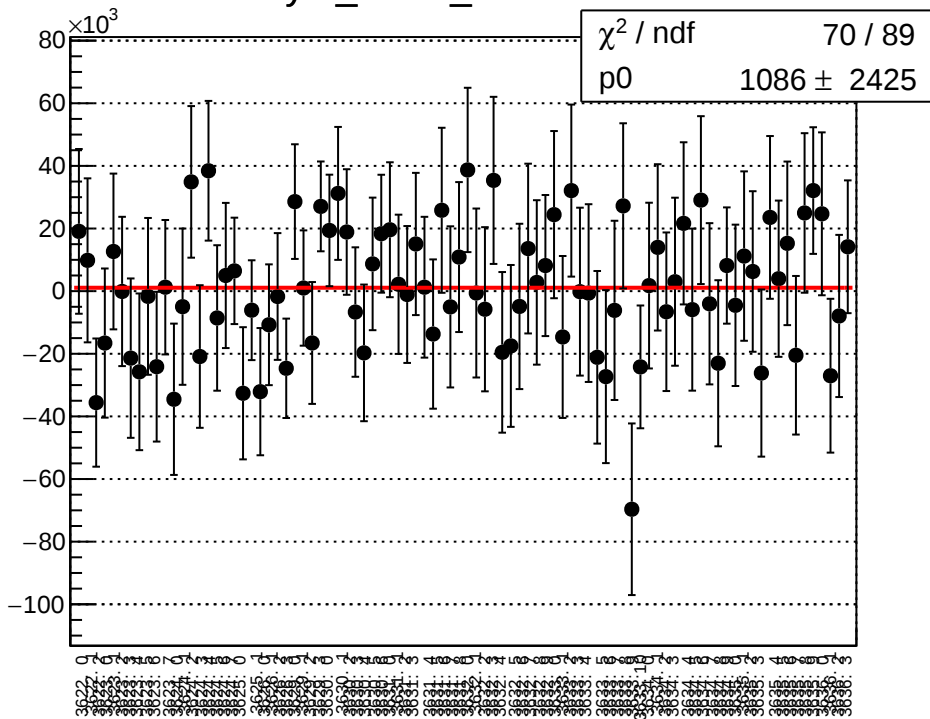
asym_sam7_mean vs run



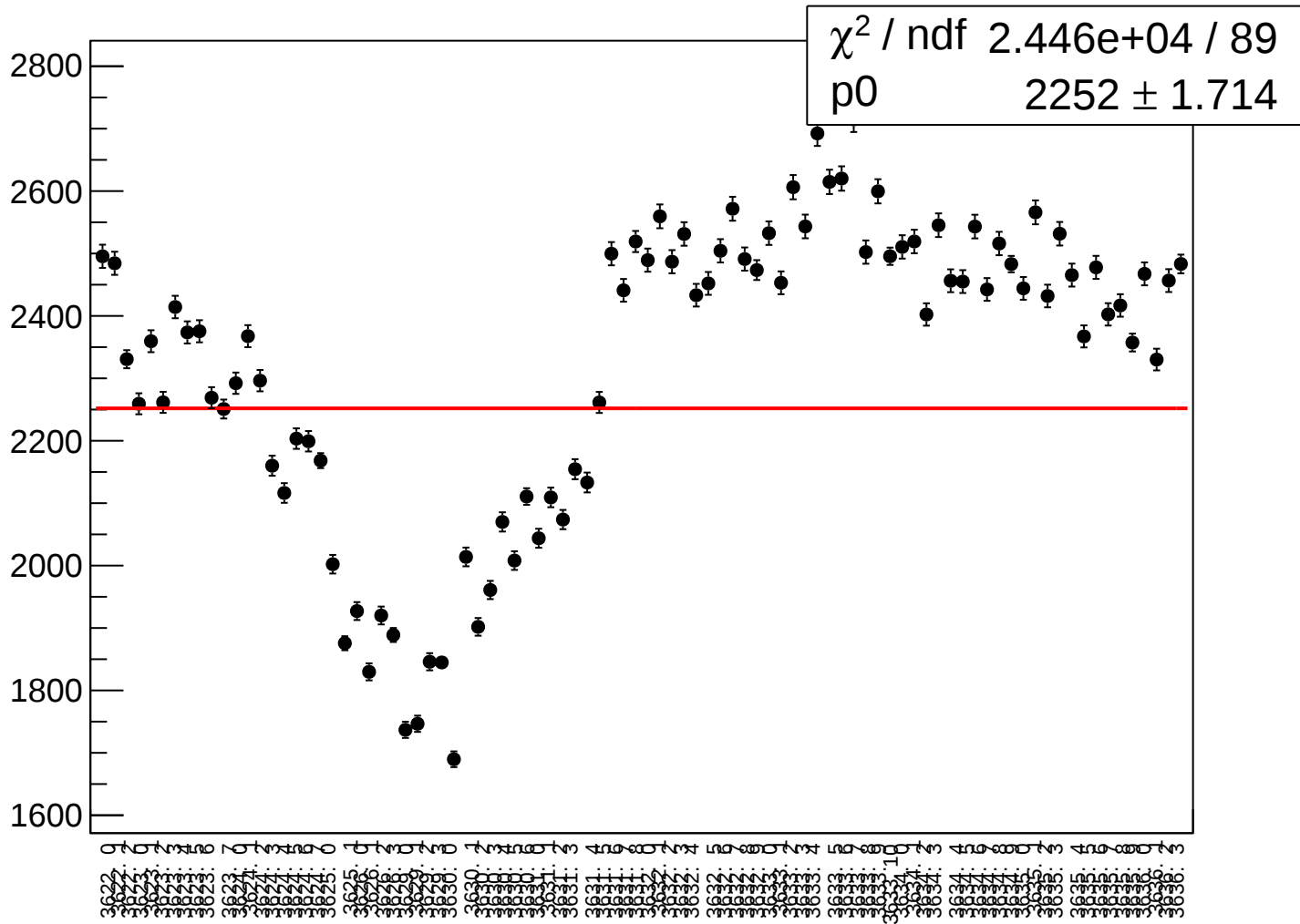
asym_sam7_rms vs run



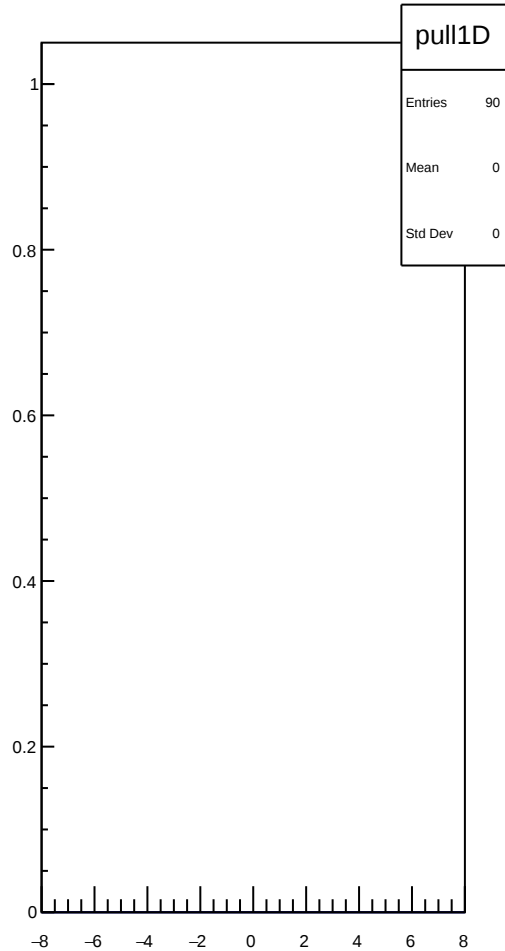
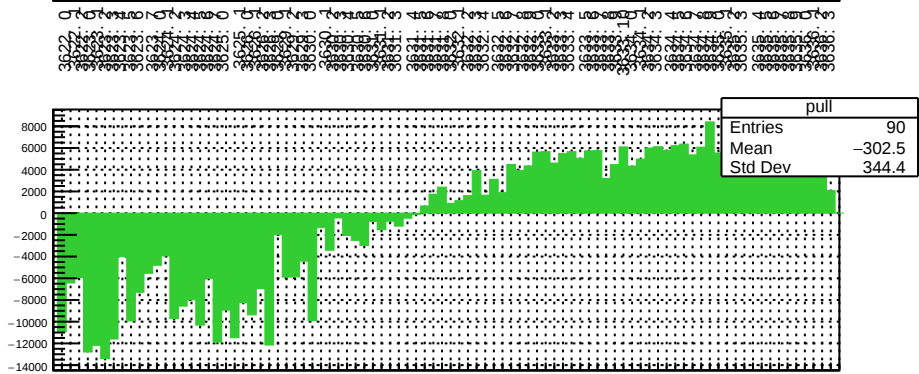
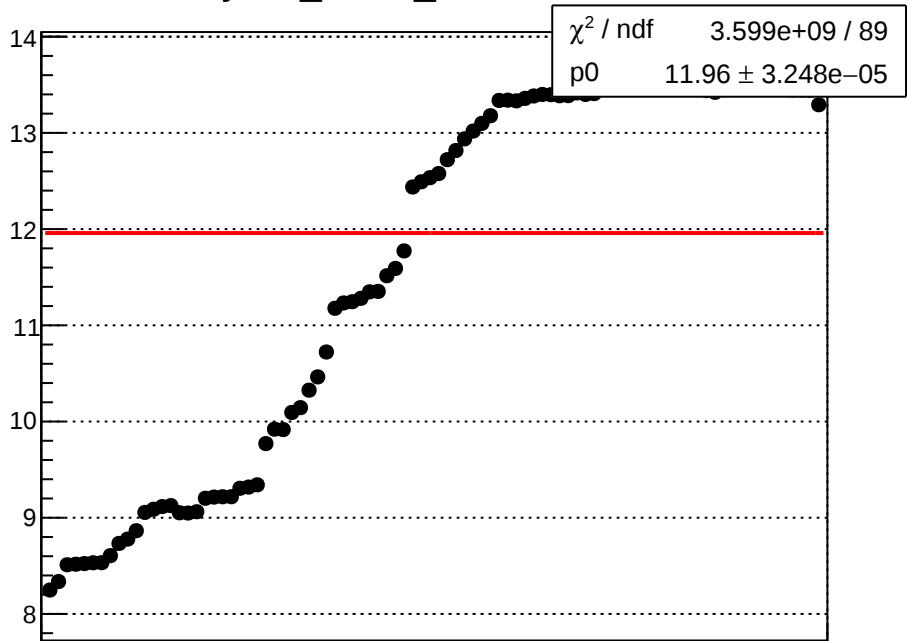
asym_sam8_mean vs run



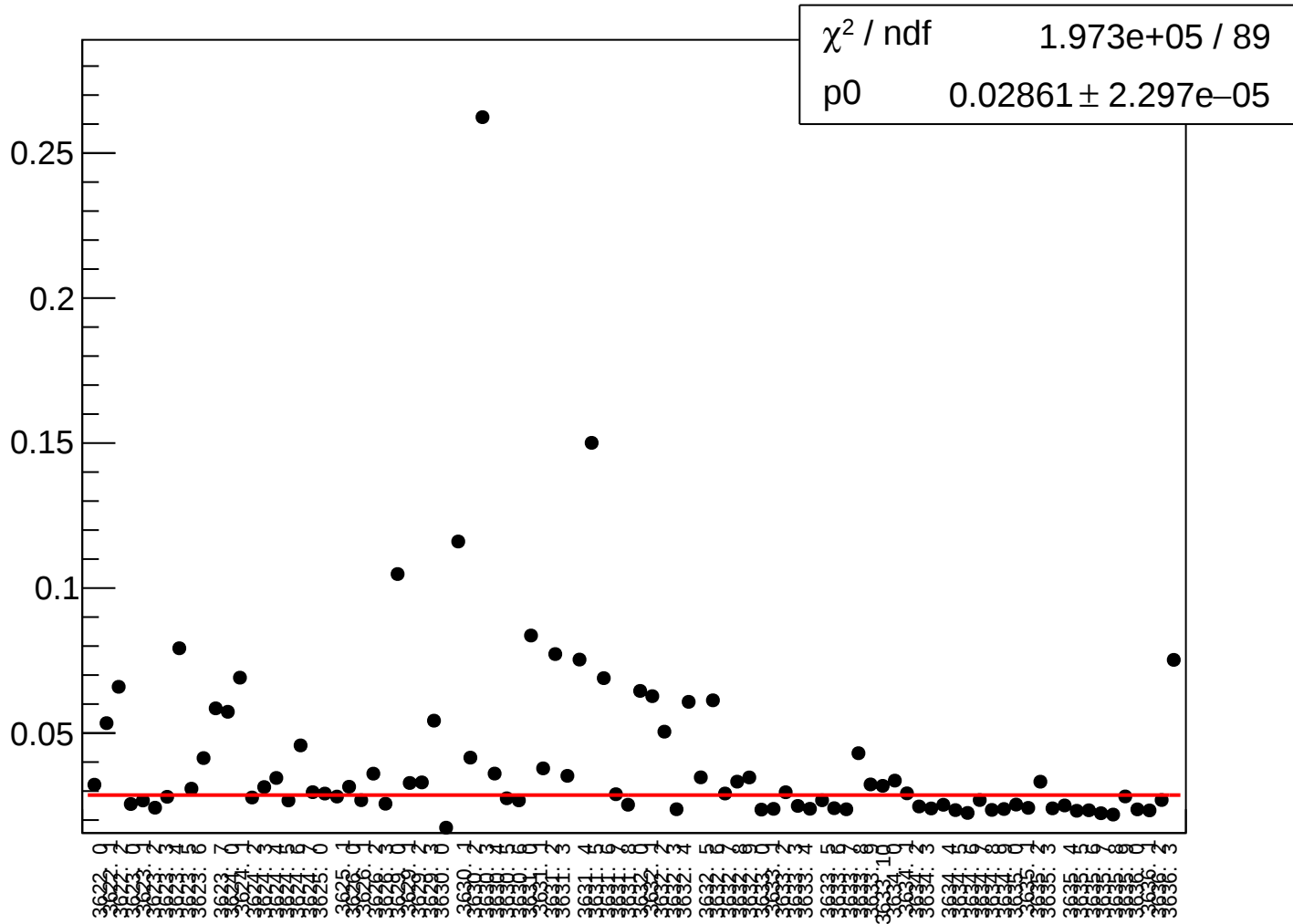
asym_sam8_rms vs run



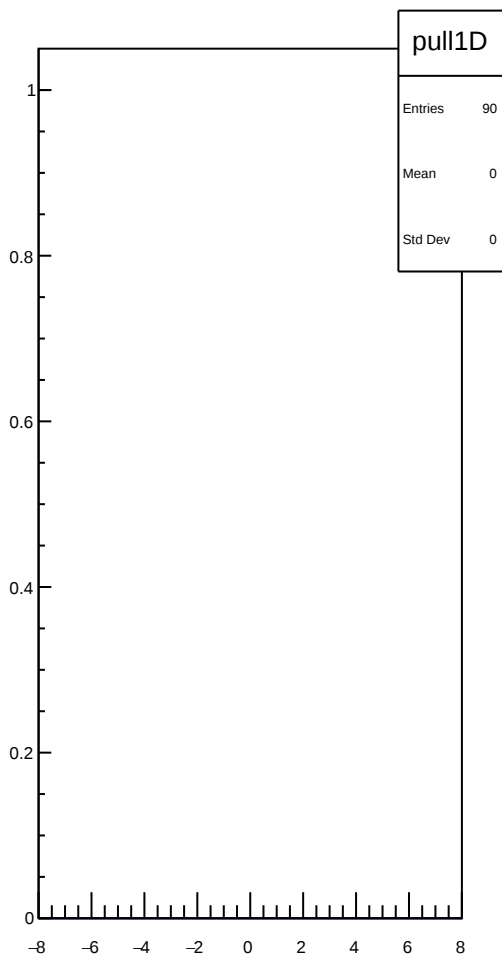
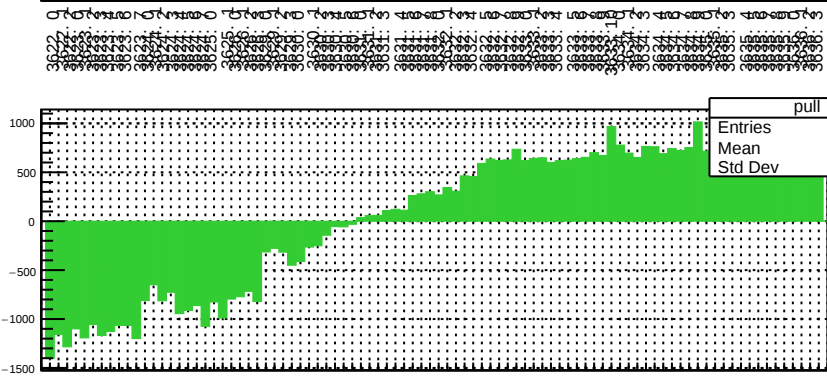
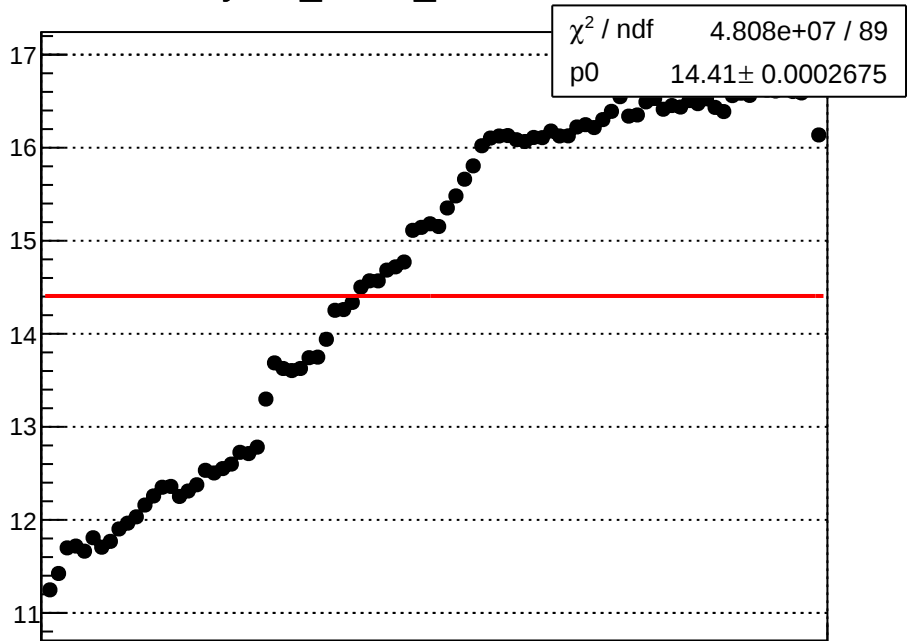
yield_sam1_mean vs run



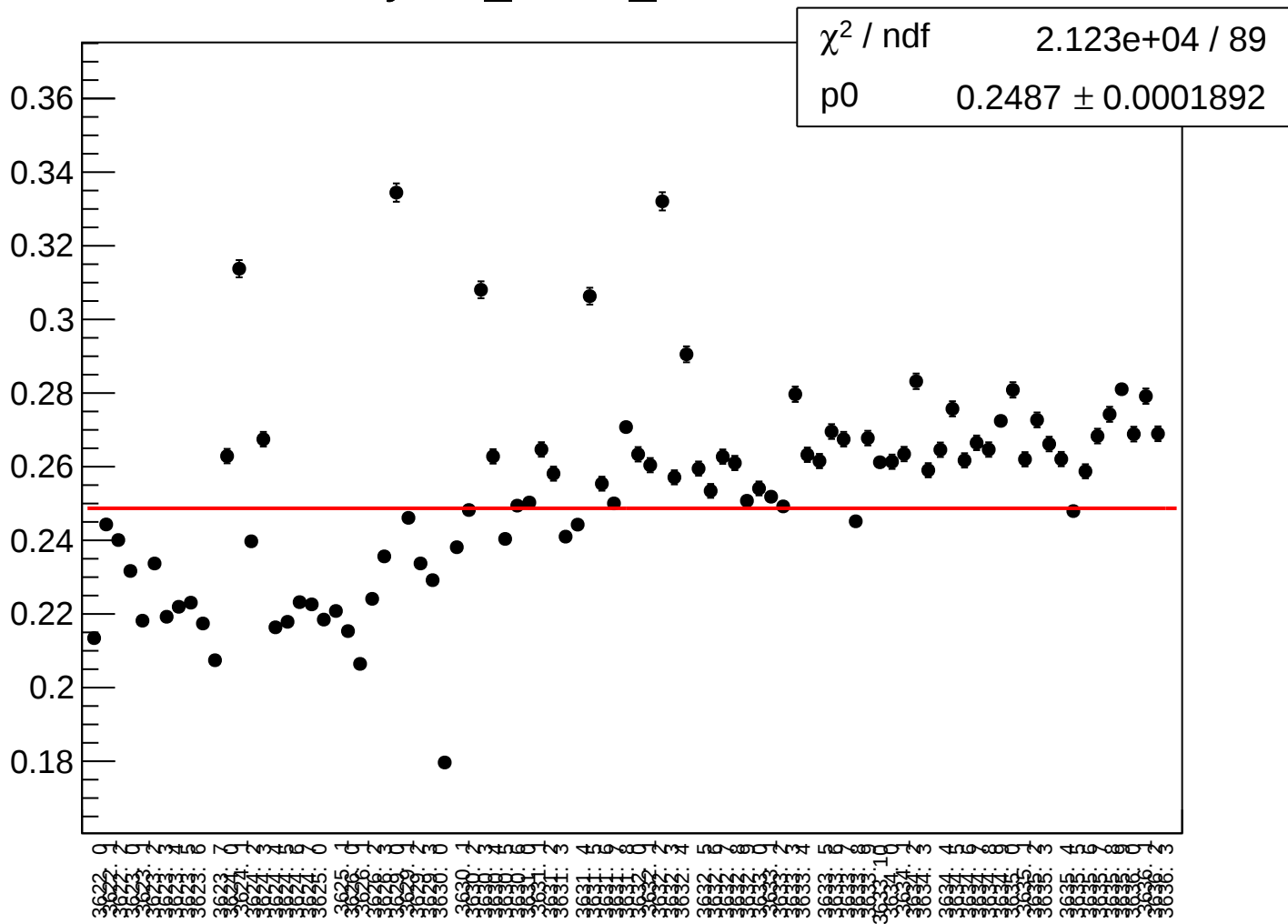
yield_sam1_rms vs run



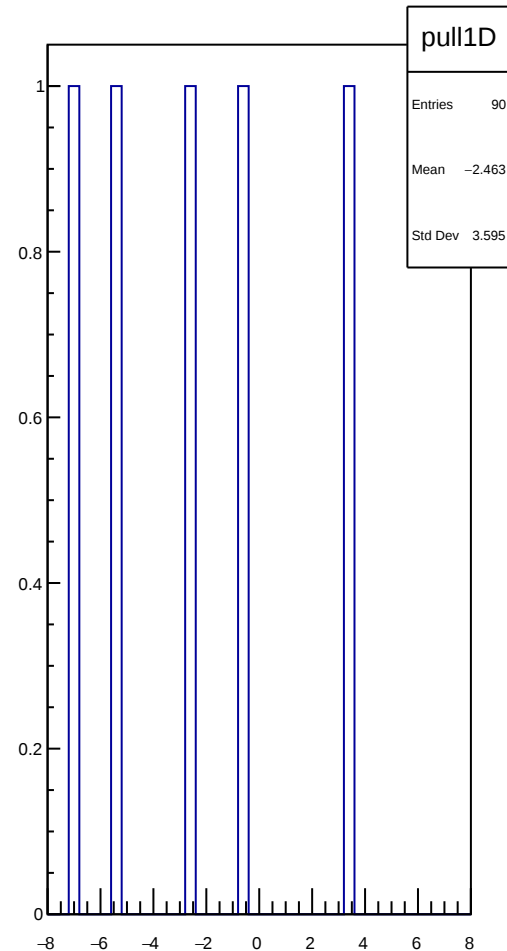
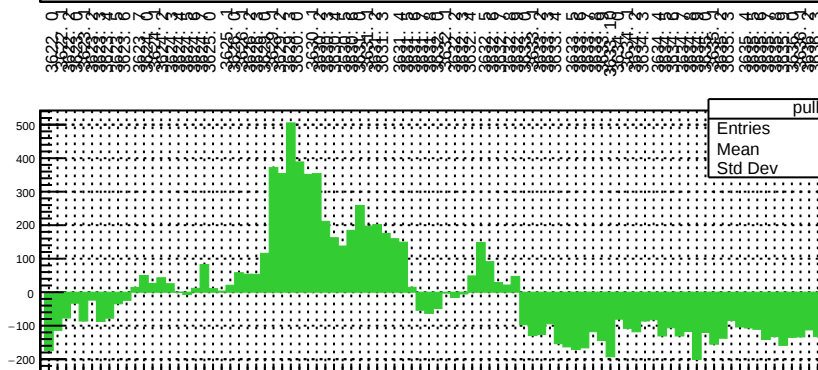
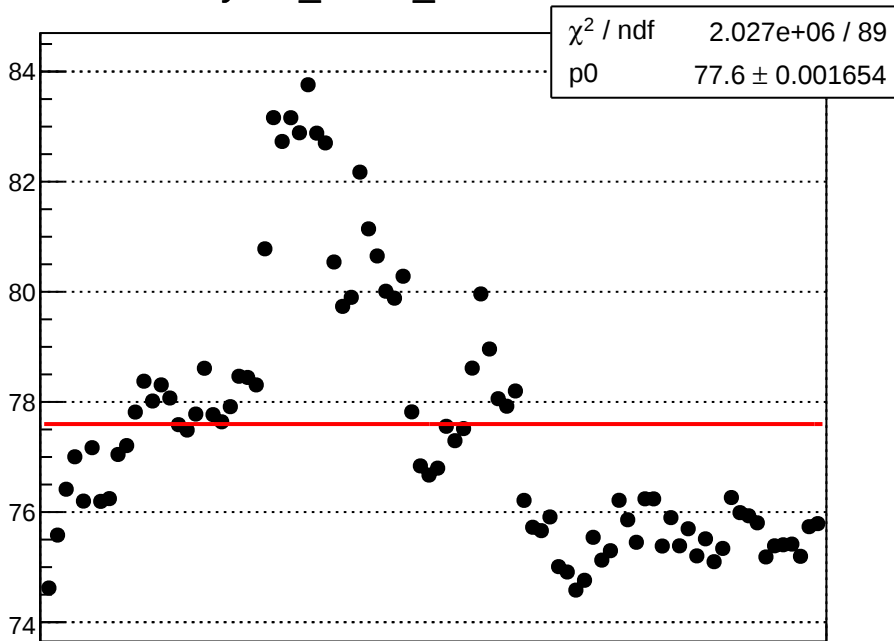
yield_sam2_mean vs run



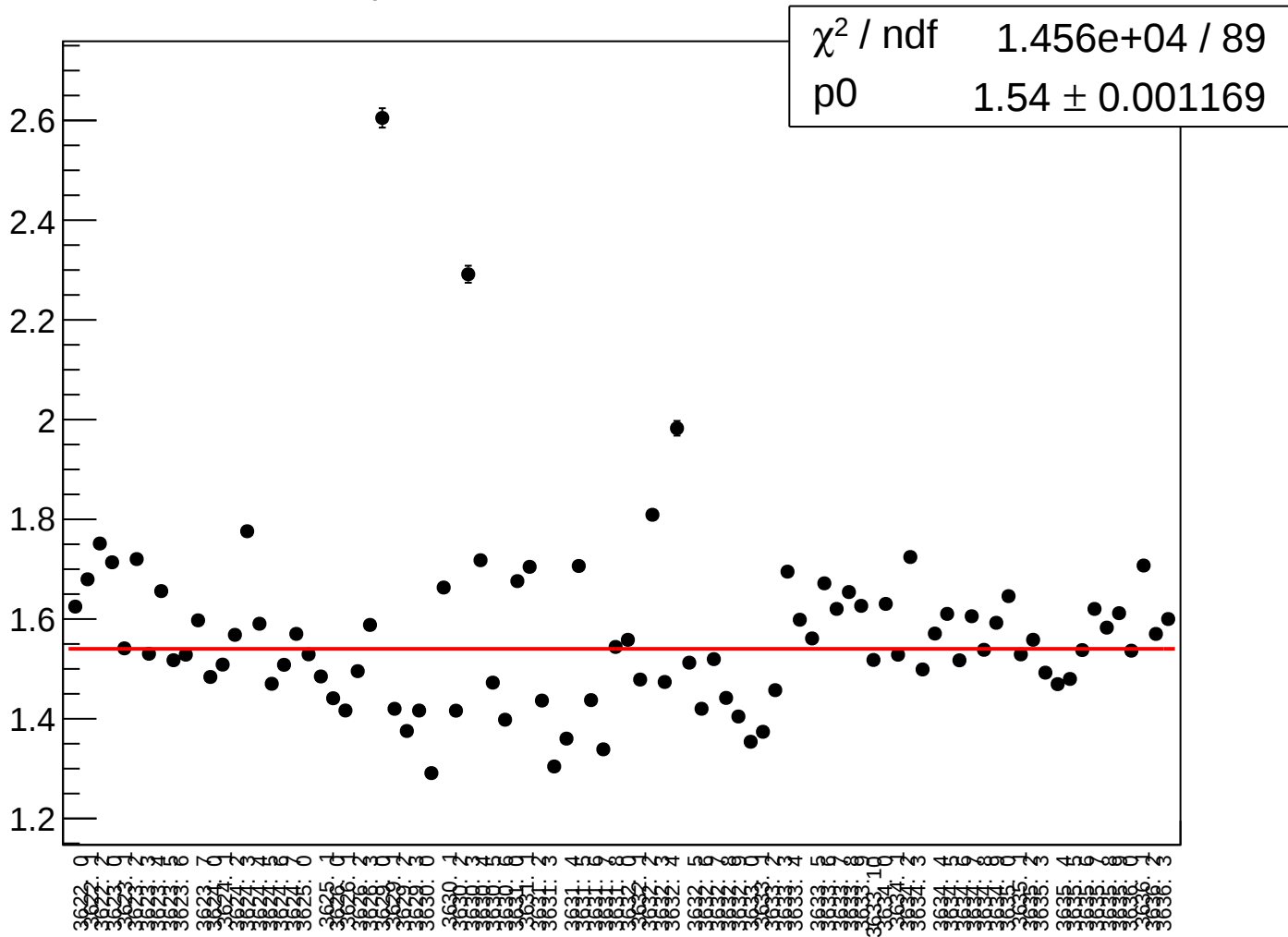
yield_sam2_rms vs run



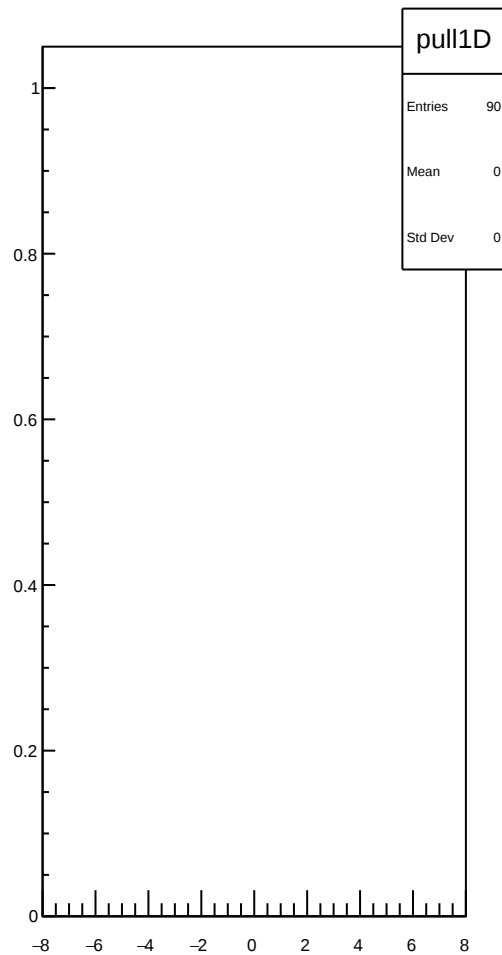
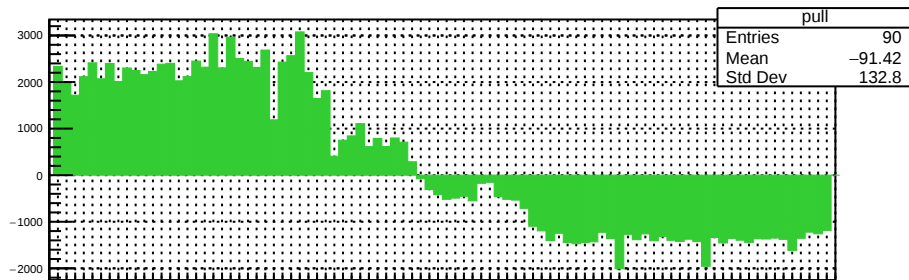
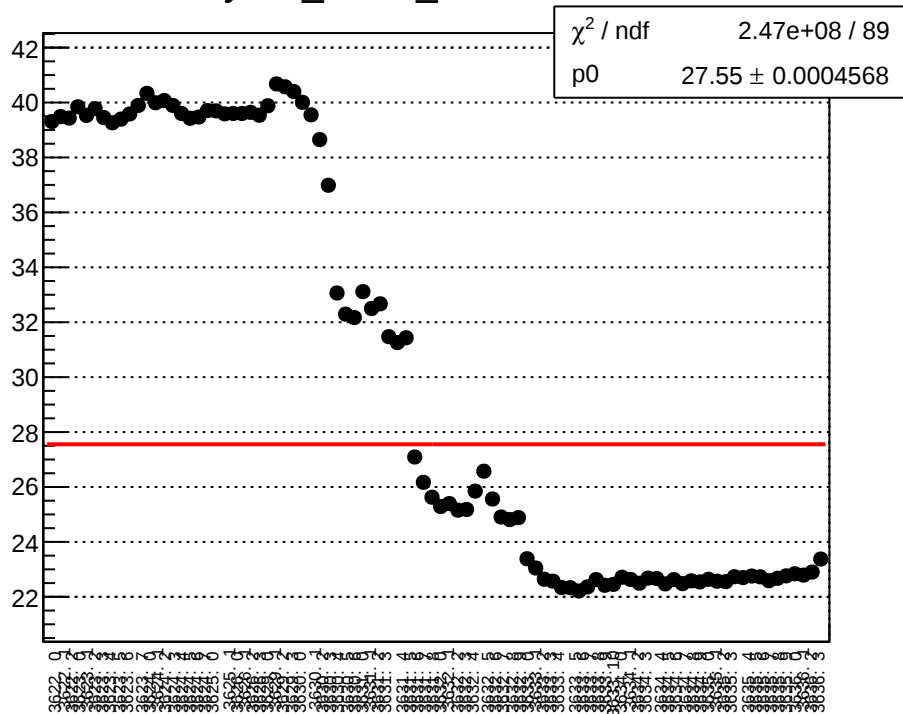
yield_sam3_mean vs run



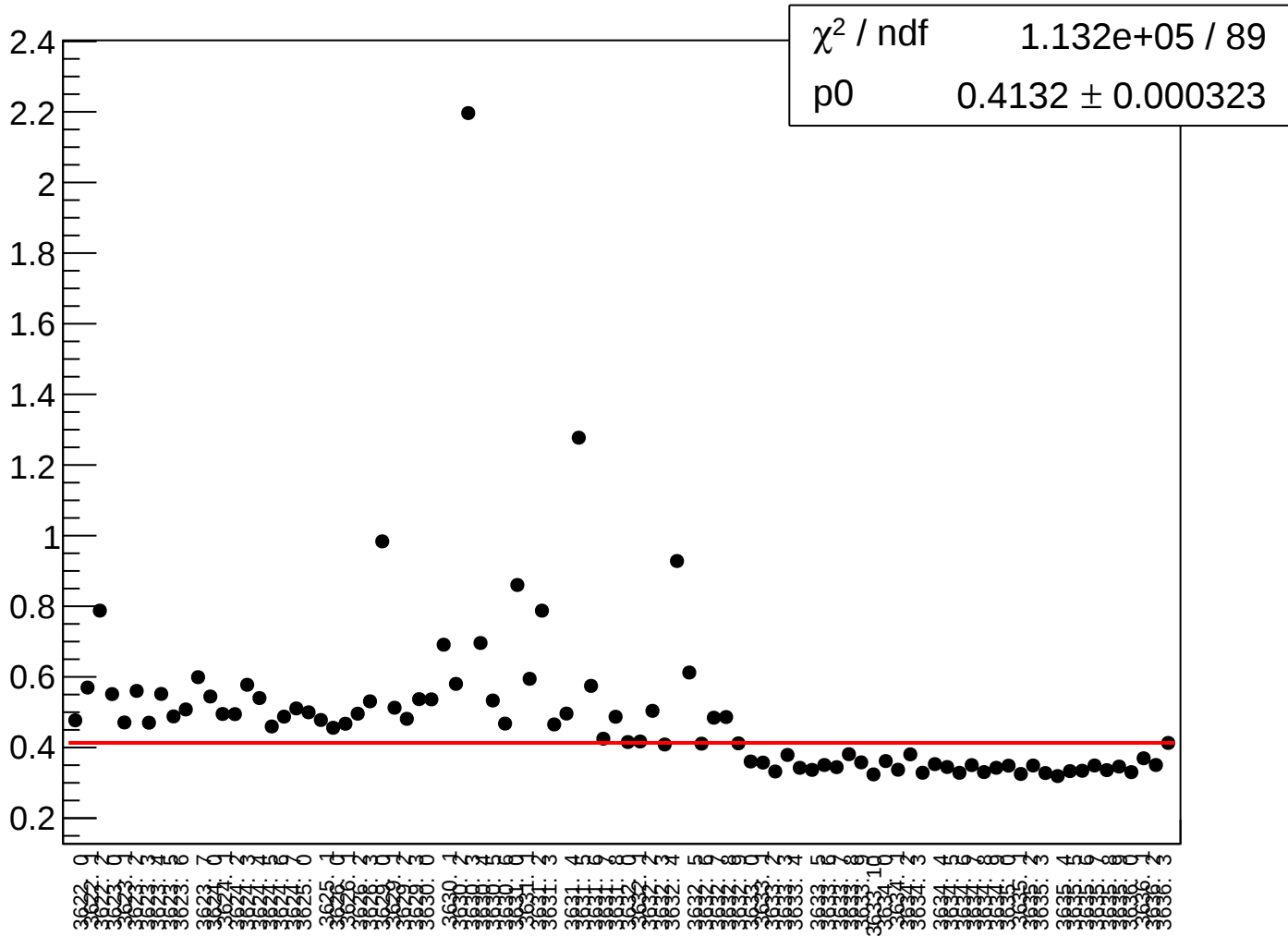
yield_sam3_rms vs run



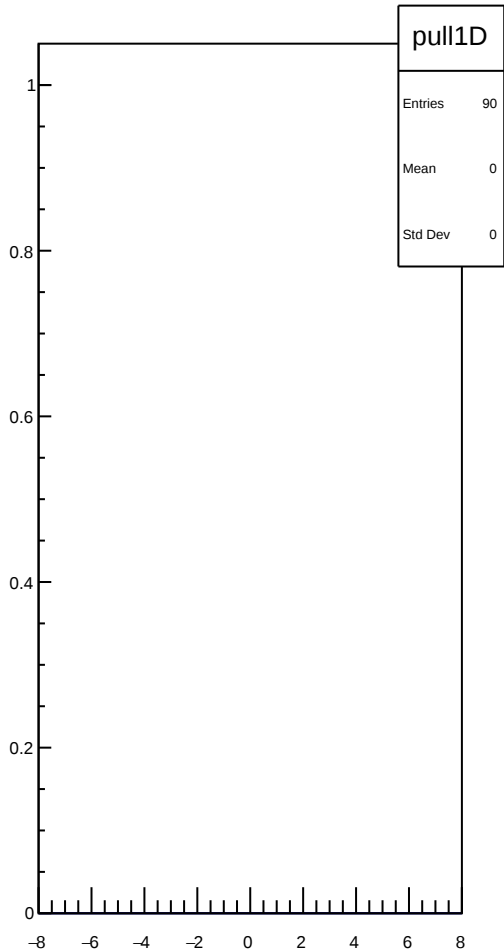
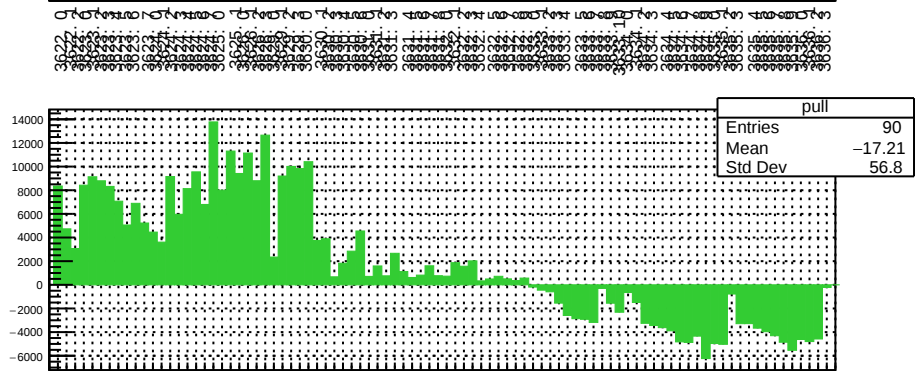
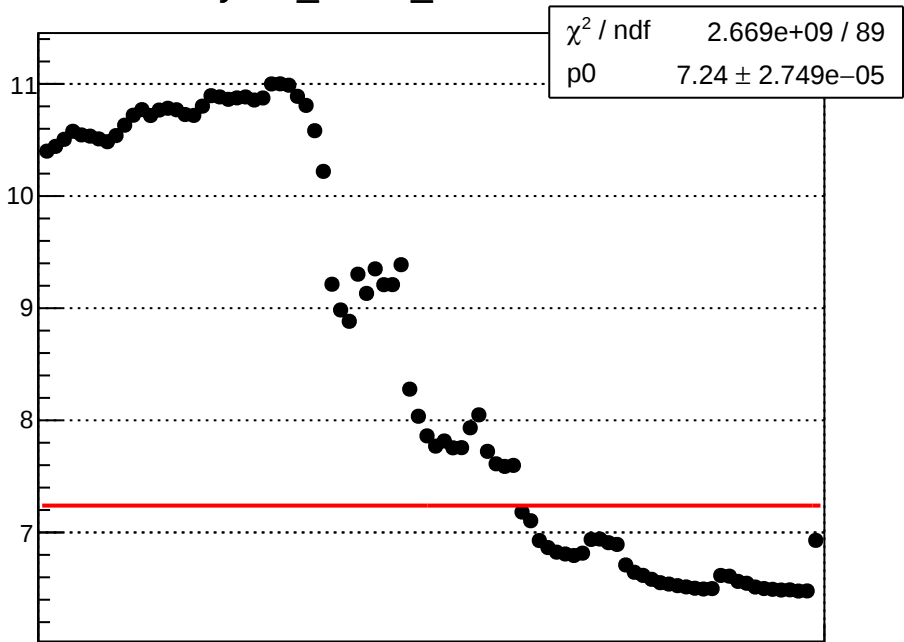
yield_sam4_mean vs run



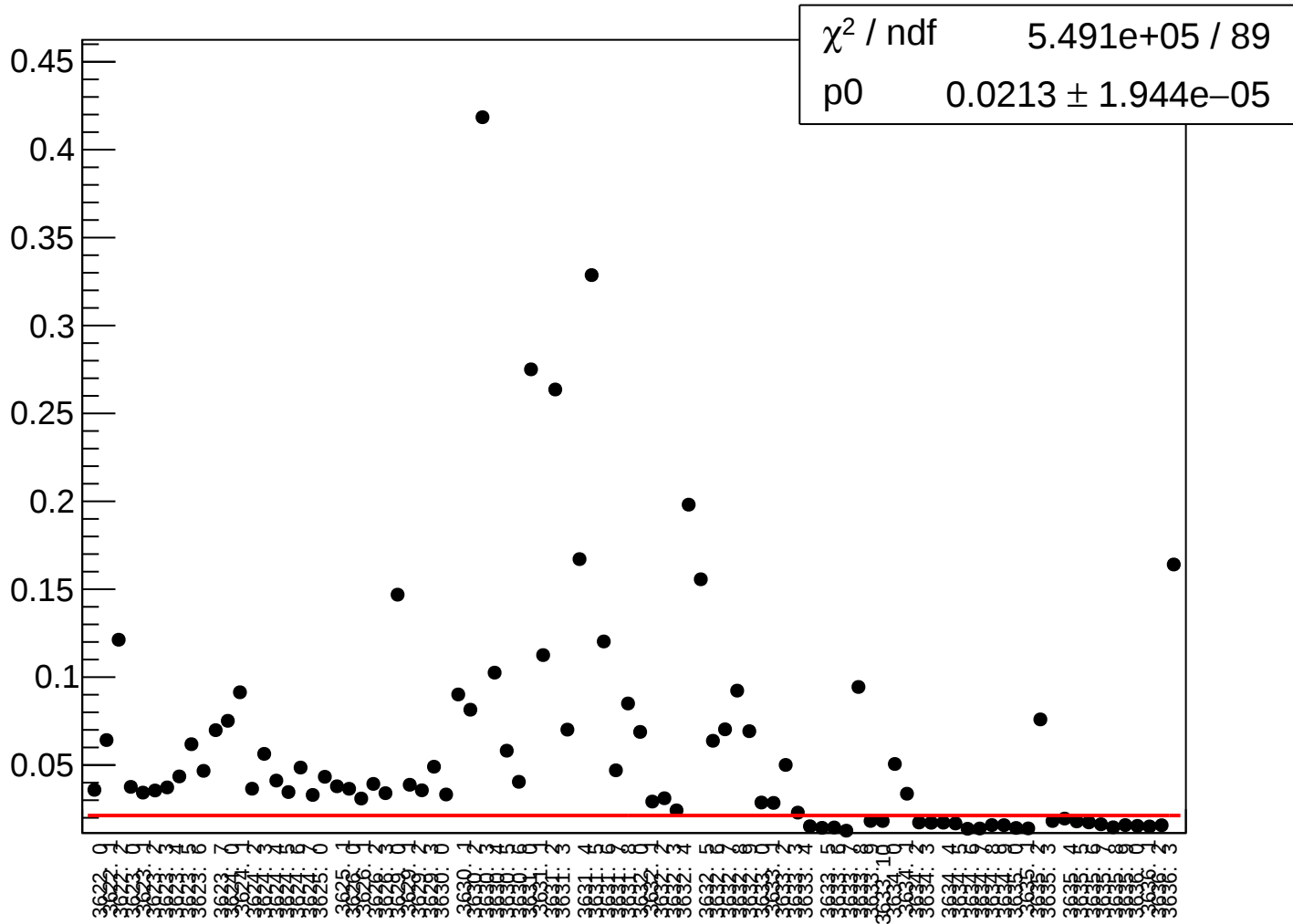
yield_sam4_rms vs run



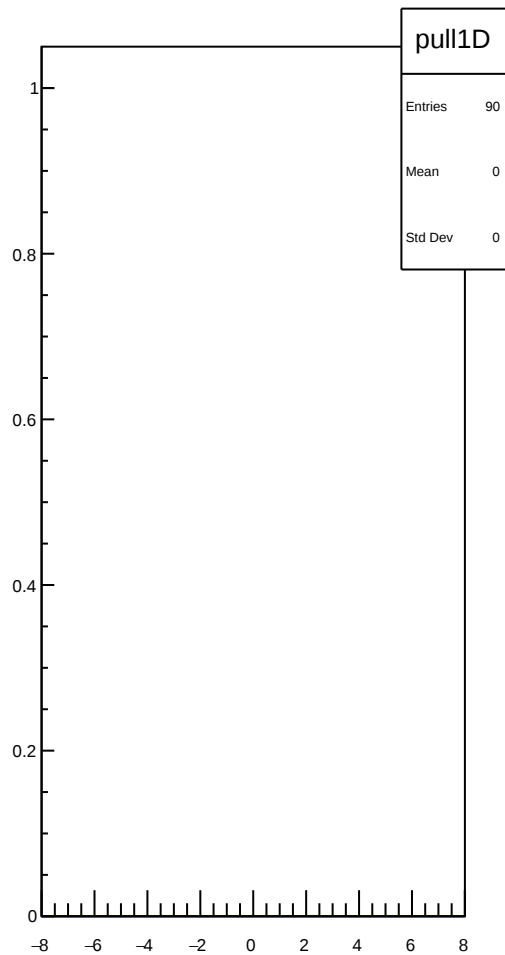
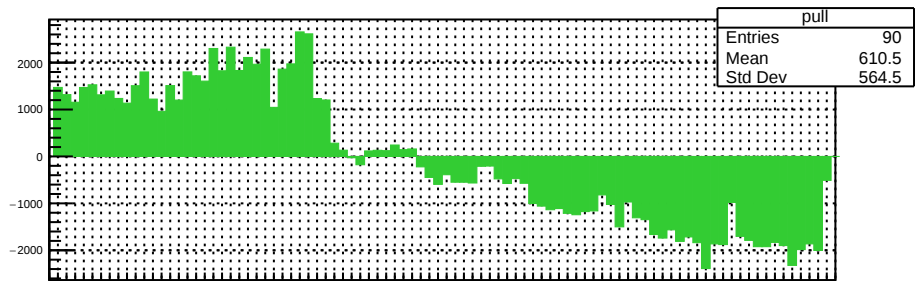
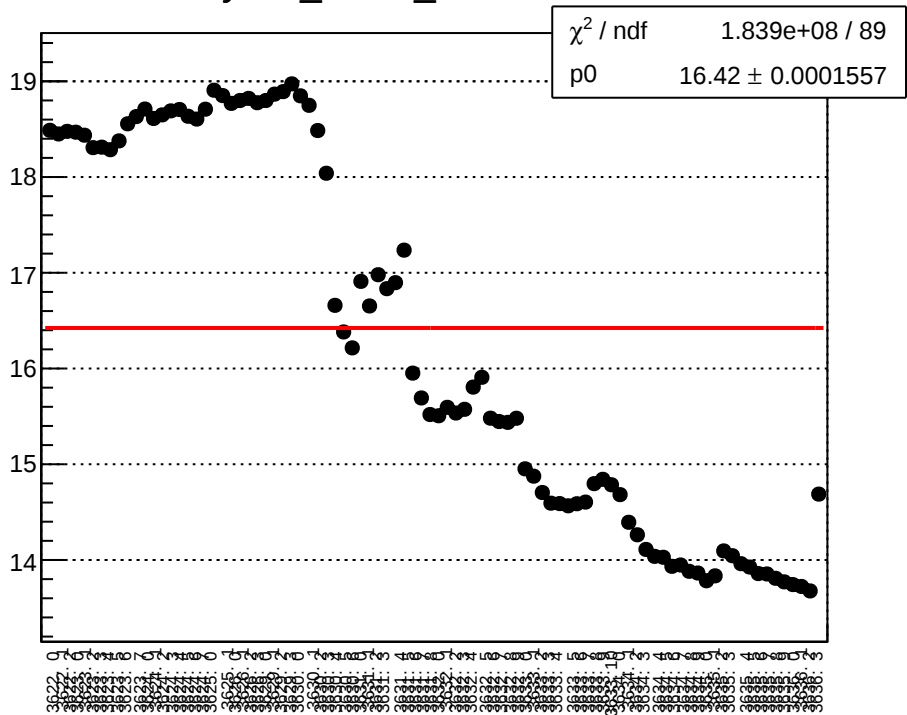
yield_sam5_mean vs run



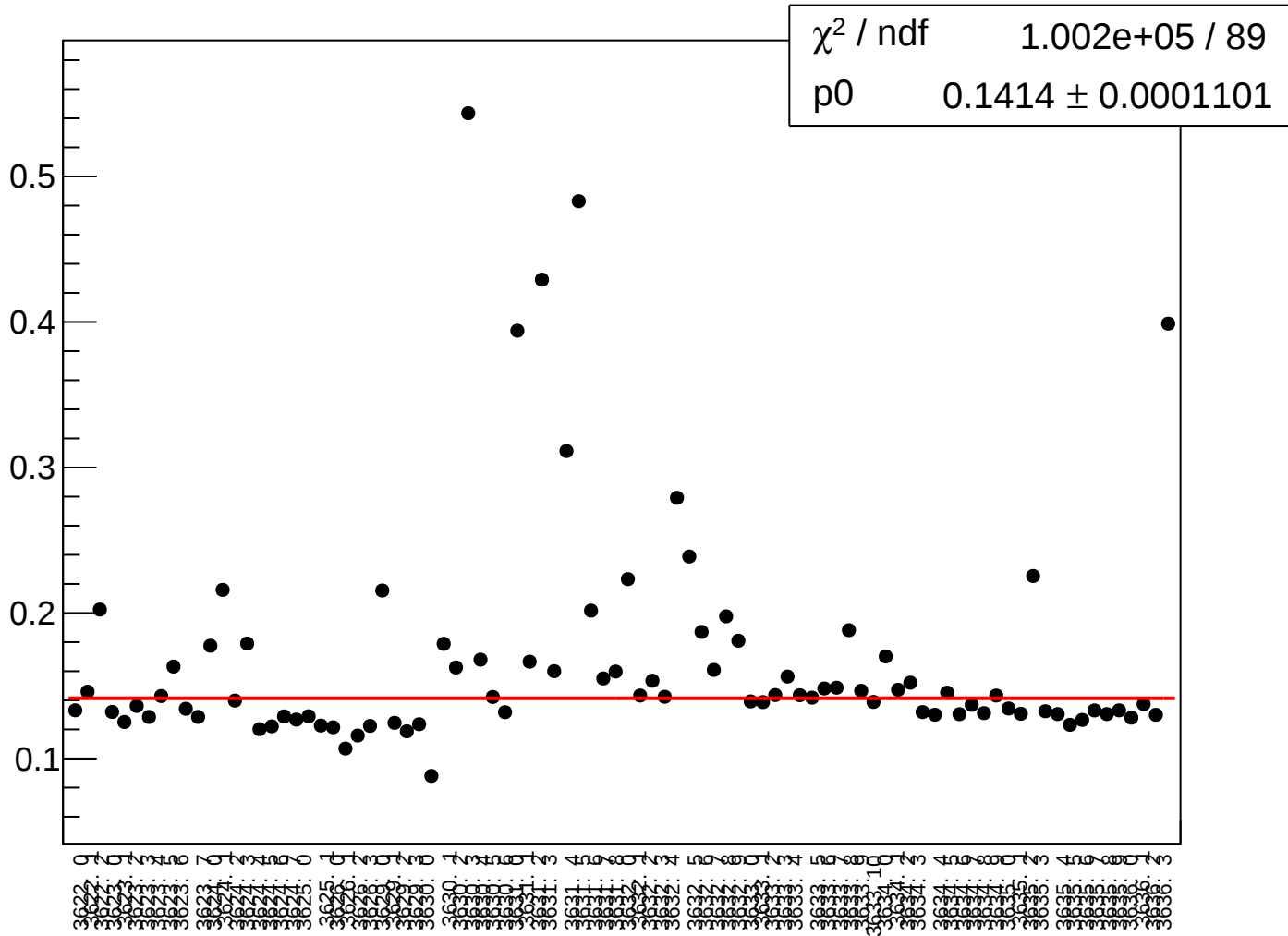
yield_sam5_rms vs run



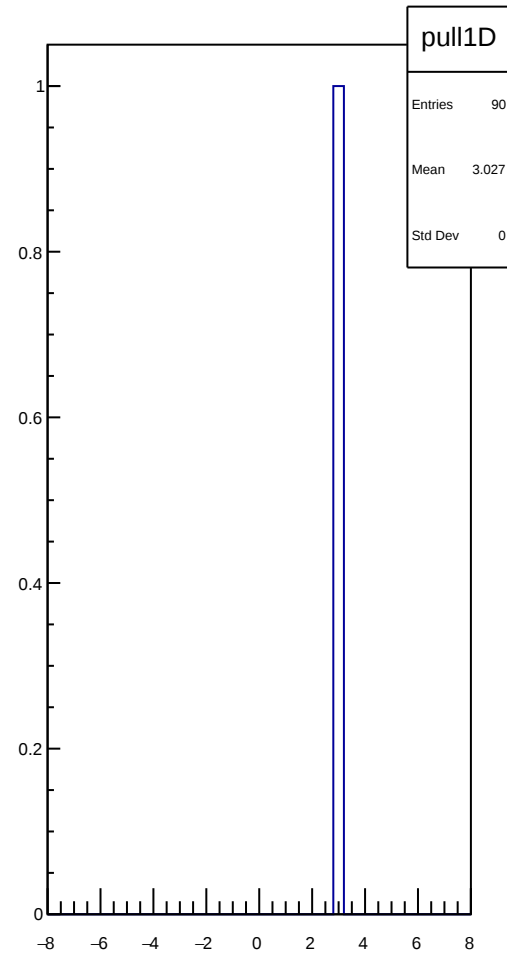
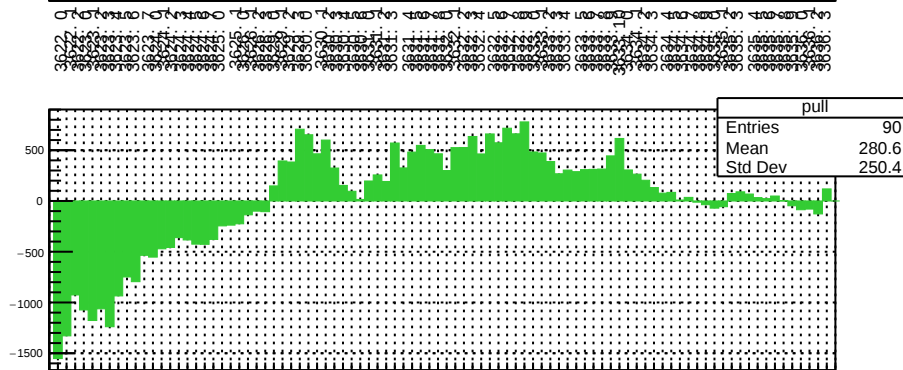
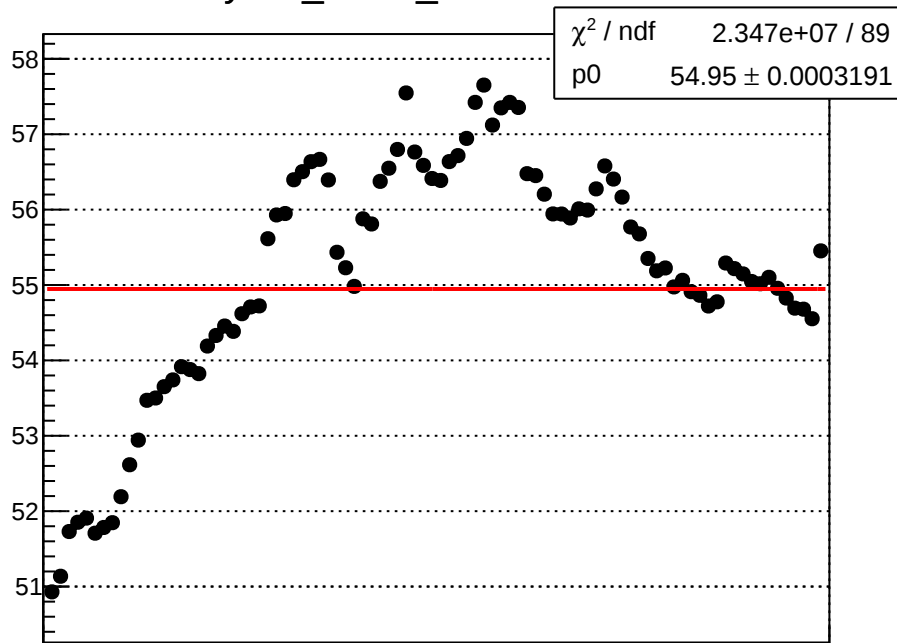
yield_sam6_mean vs run



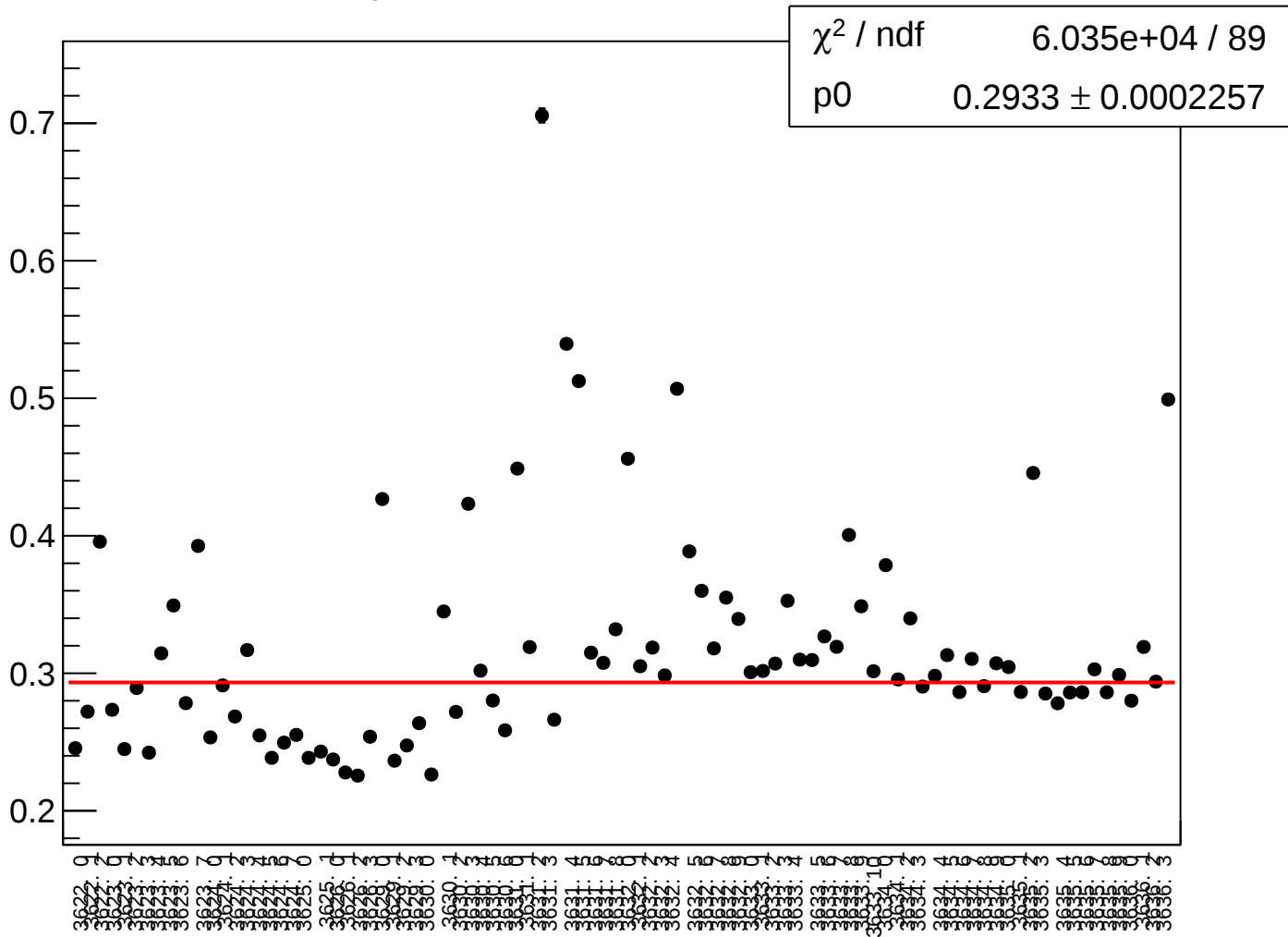
yield_sam6_rms vs run



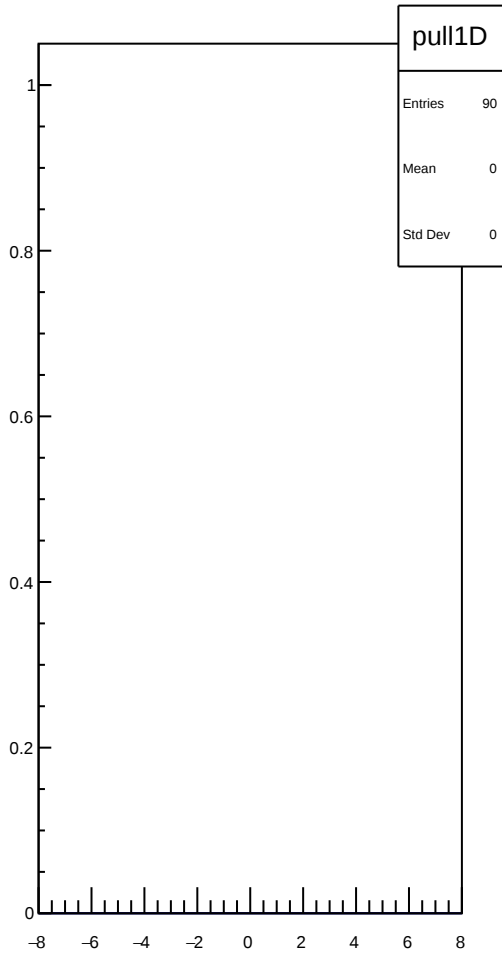
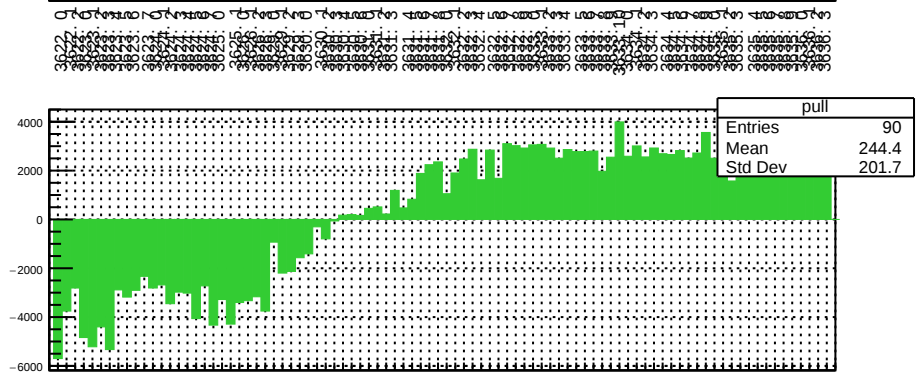
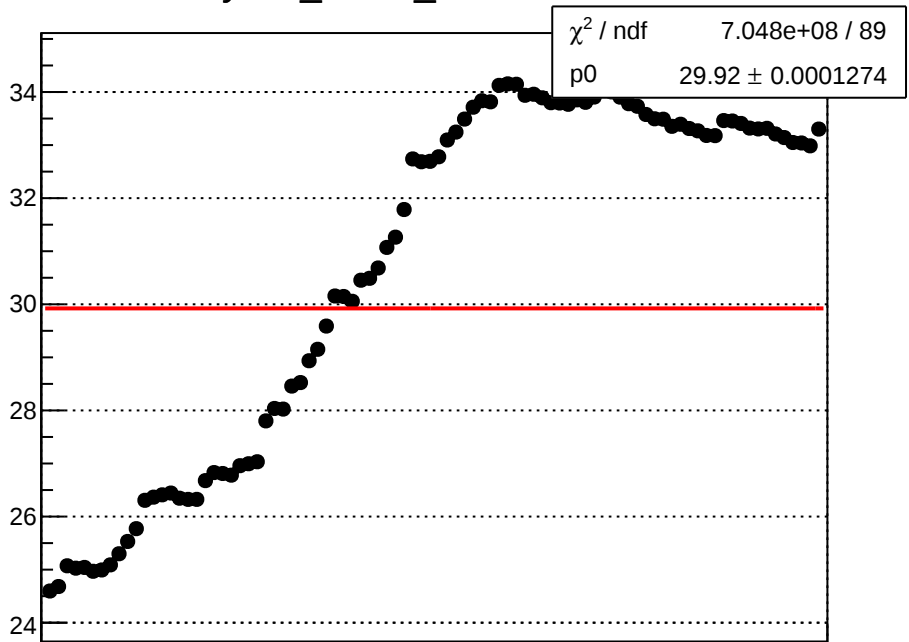
yield_sam7_mean vs run



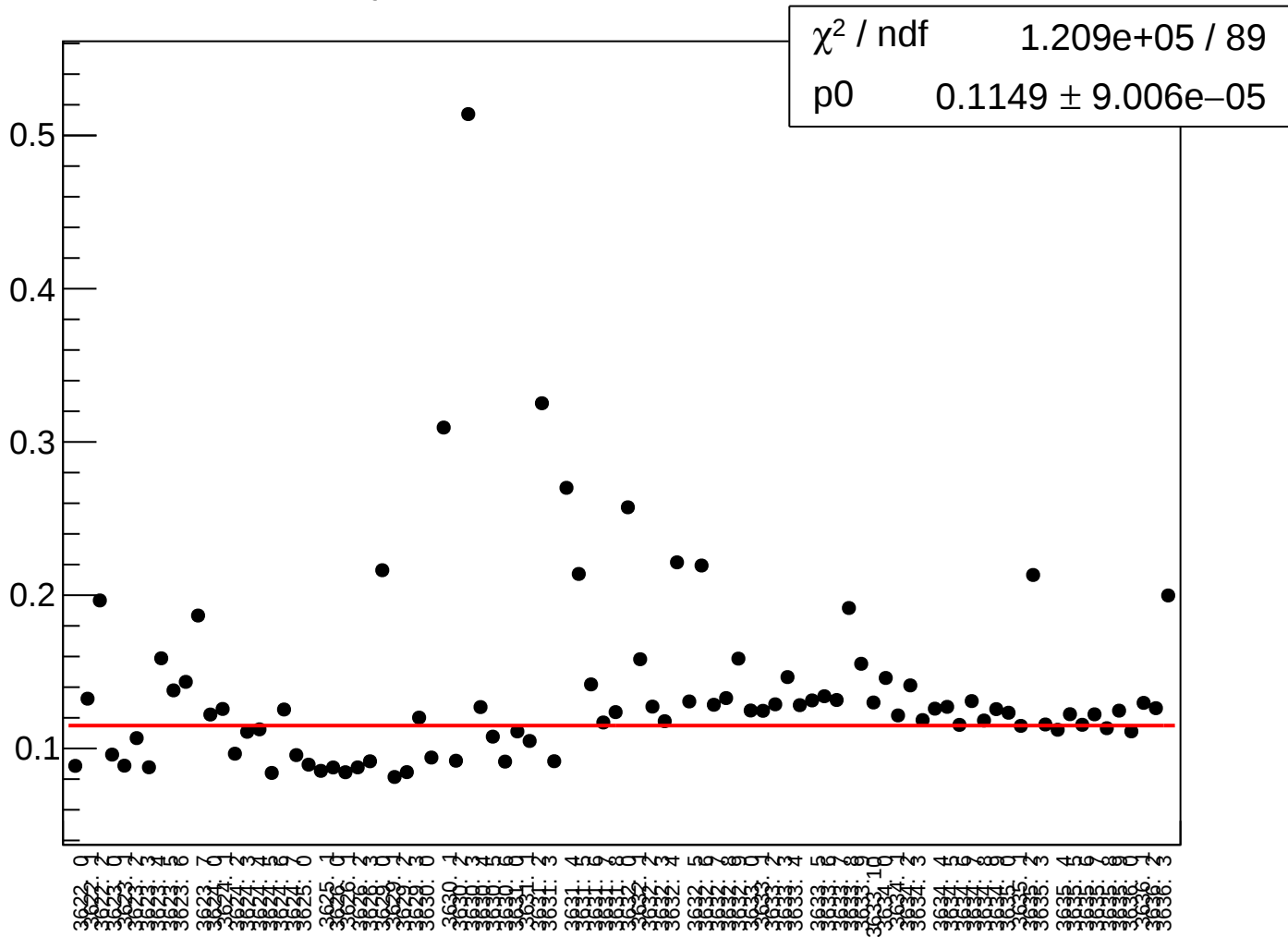
yield_sam7_rms vs run



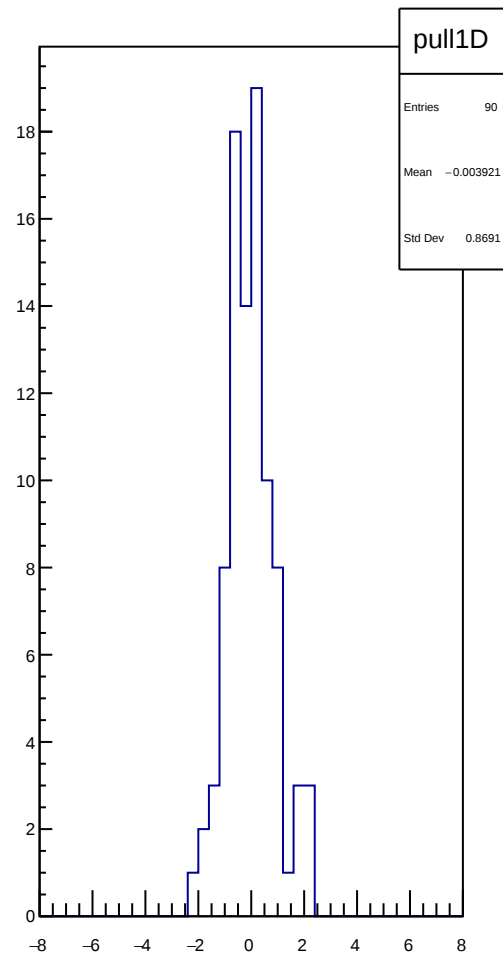
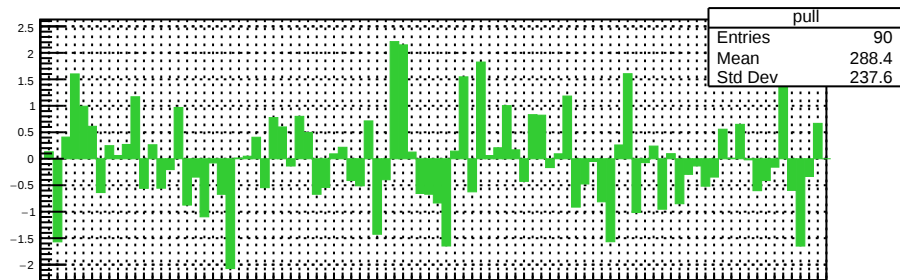
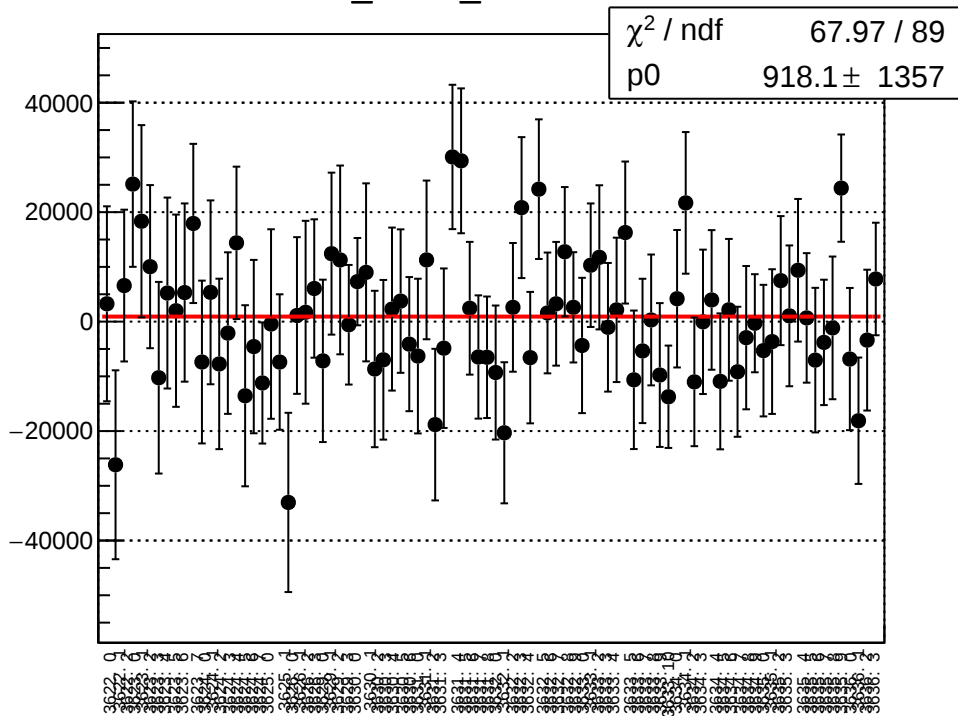
yield_sam8_mean vs run



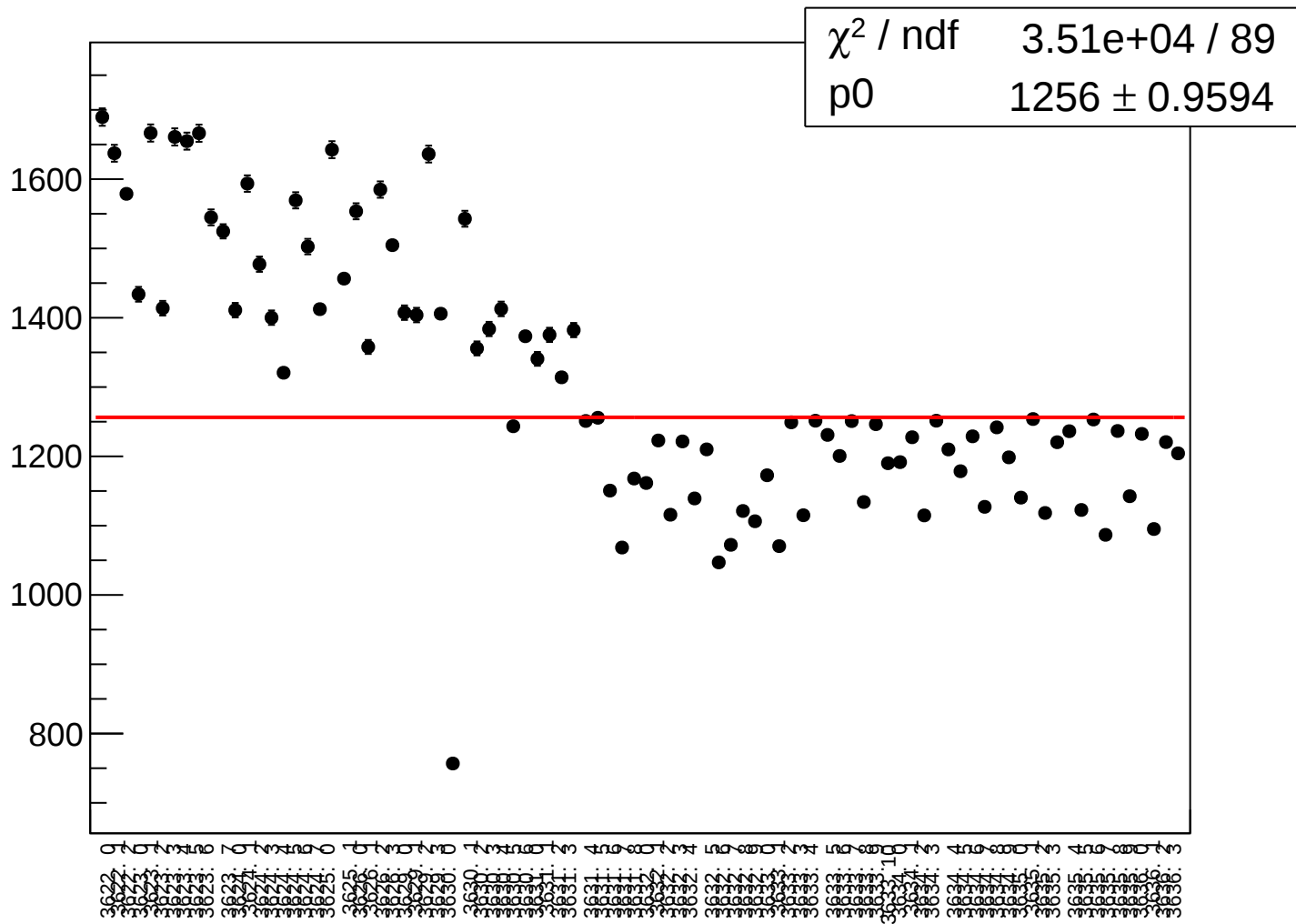
yield_sam8_rms vs run



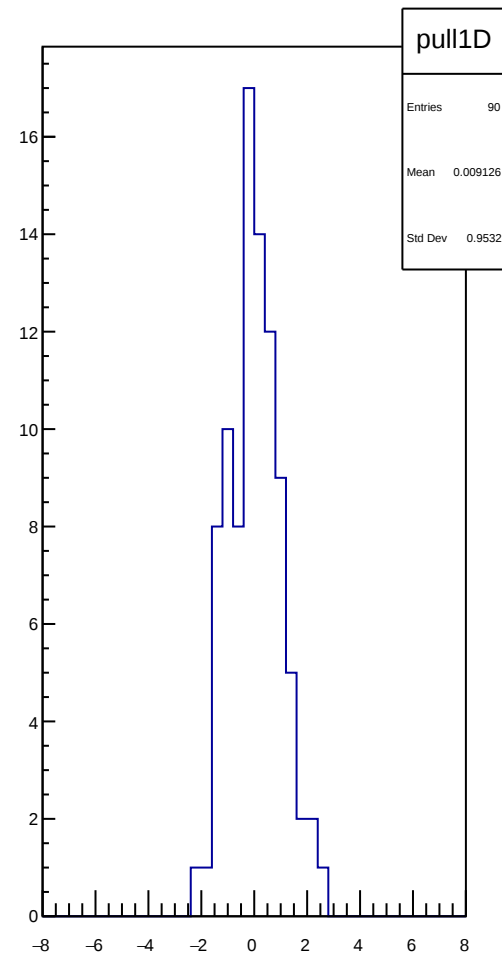
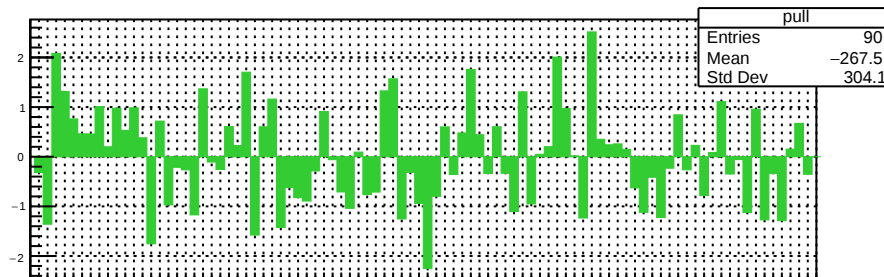
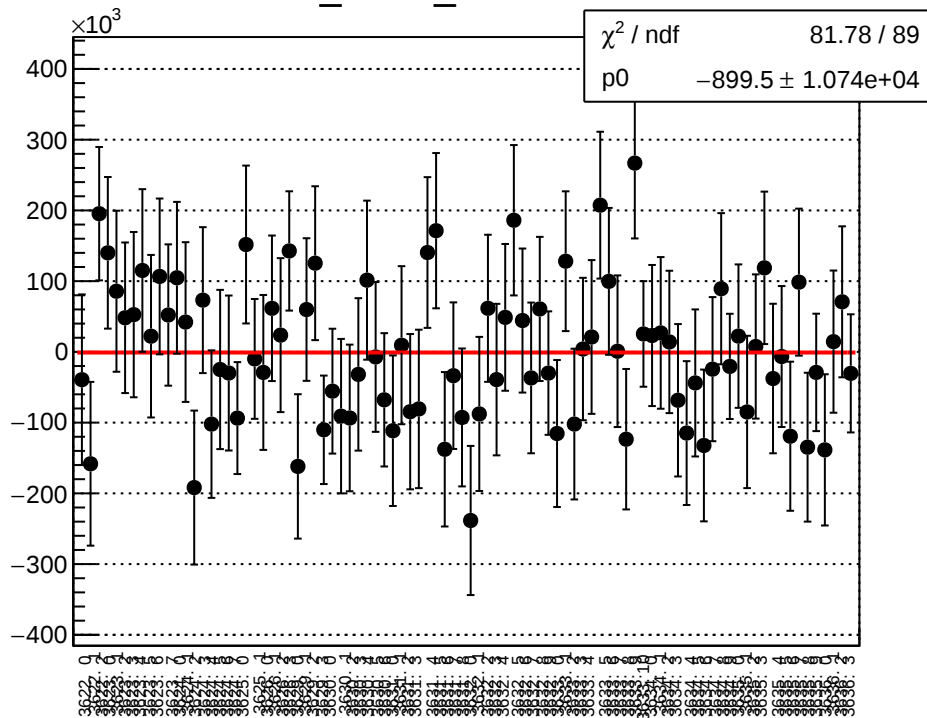
cor_sam1_mean vs run



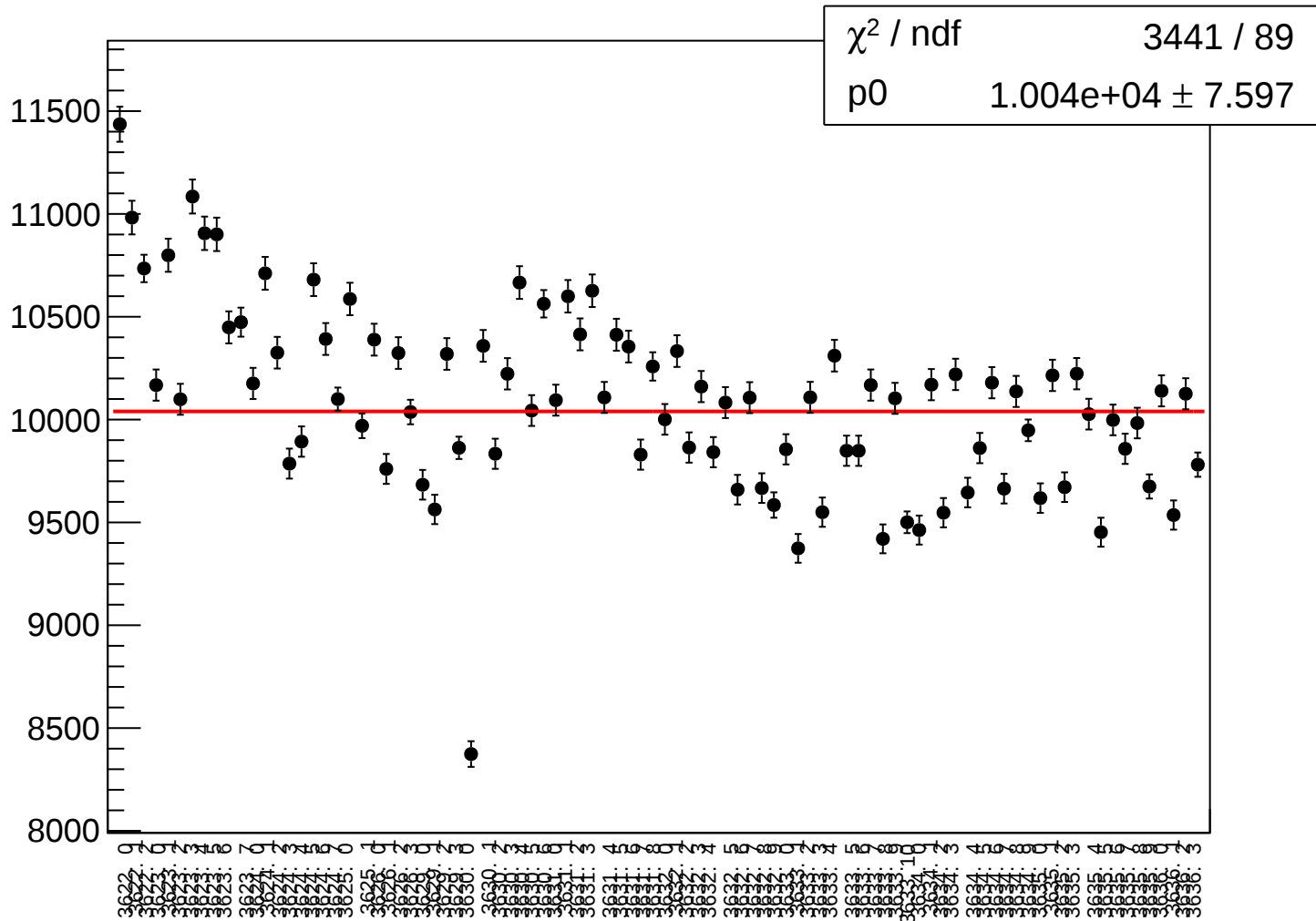
cor_sam1_rms vs run



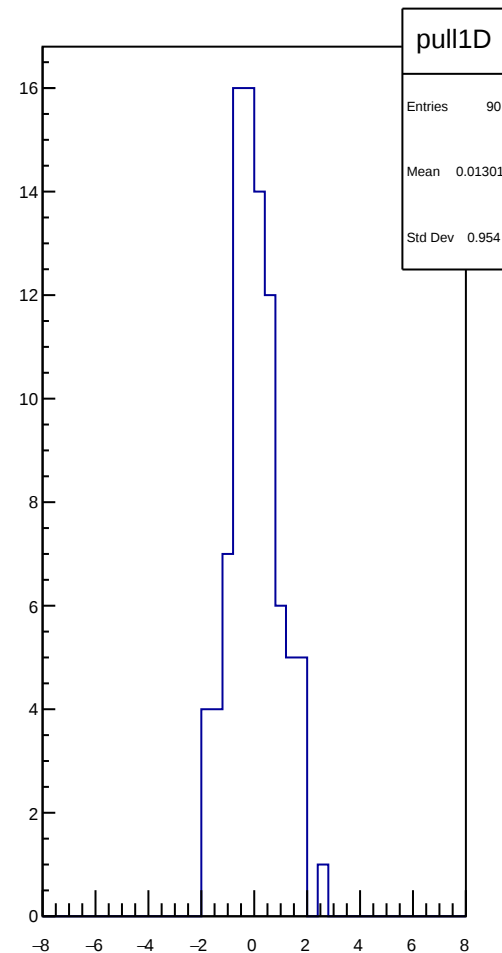
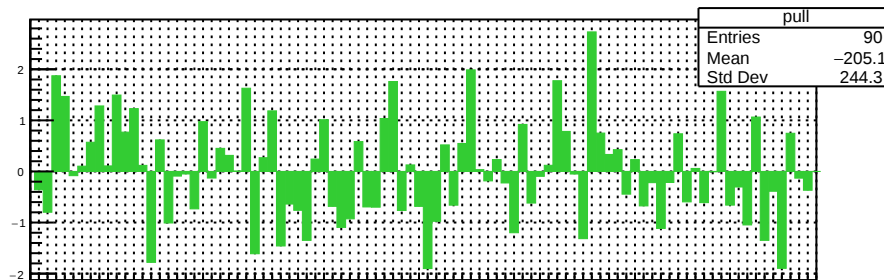
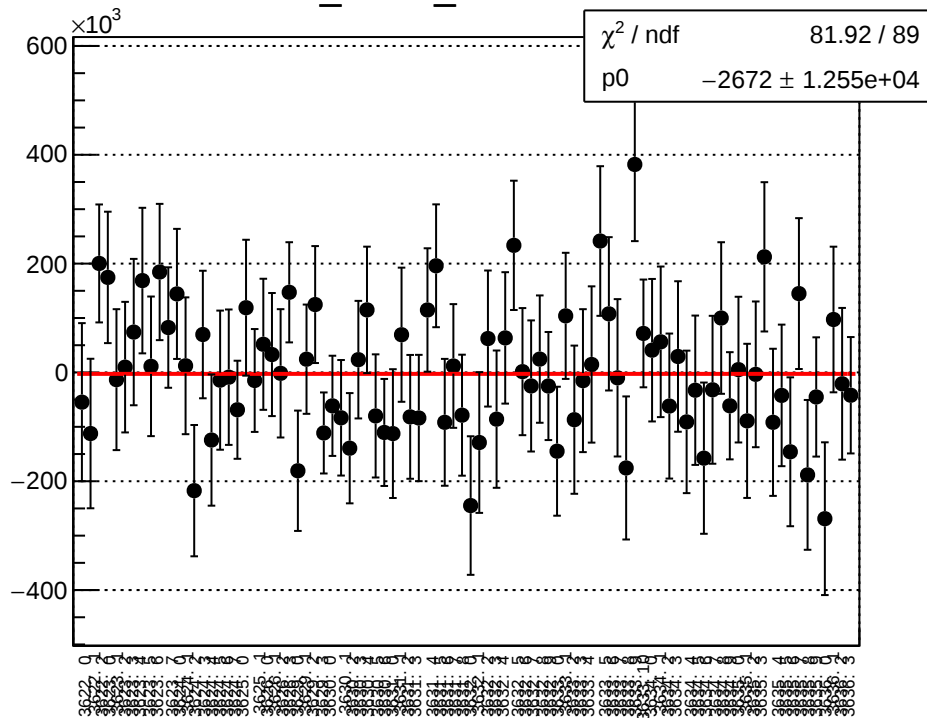
cor_sam2_mean vs run



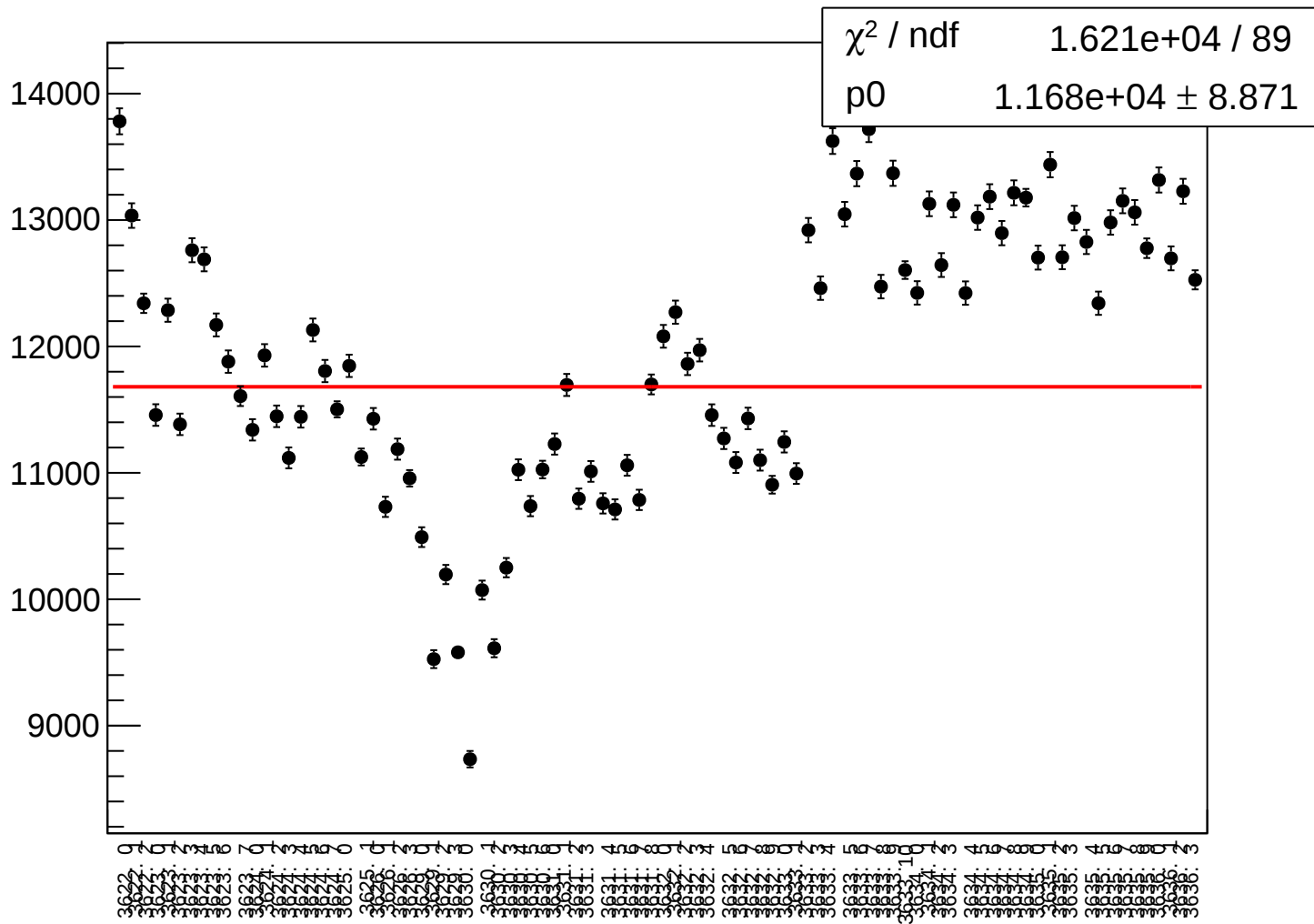
cor_sam2_rms vs run



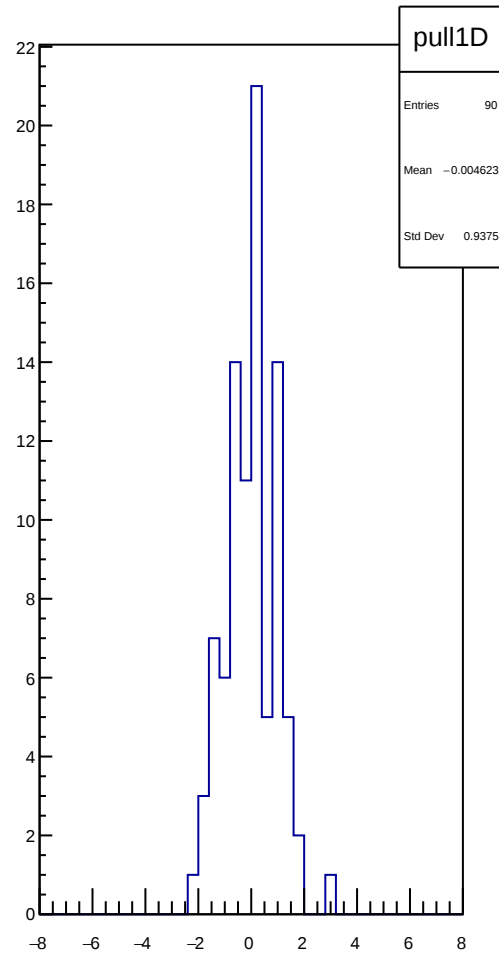
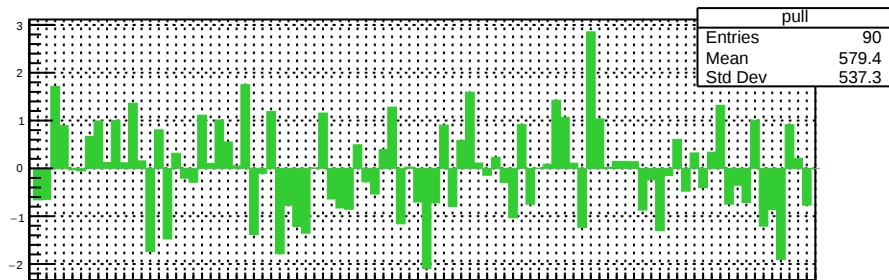
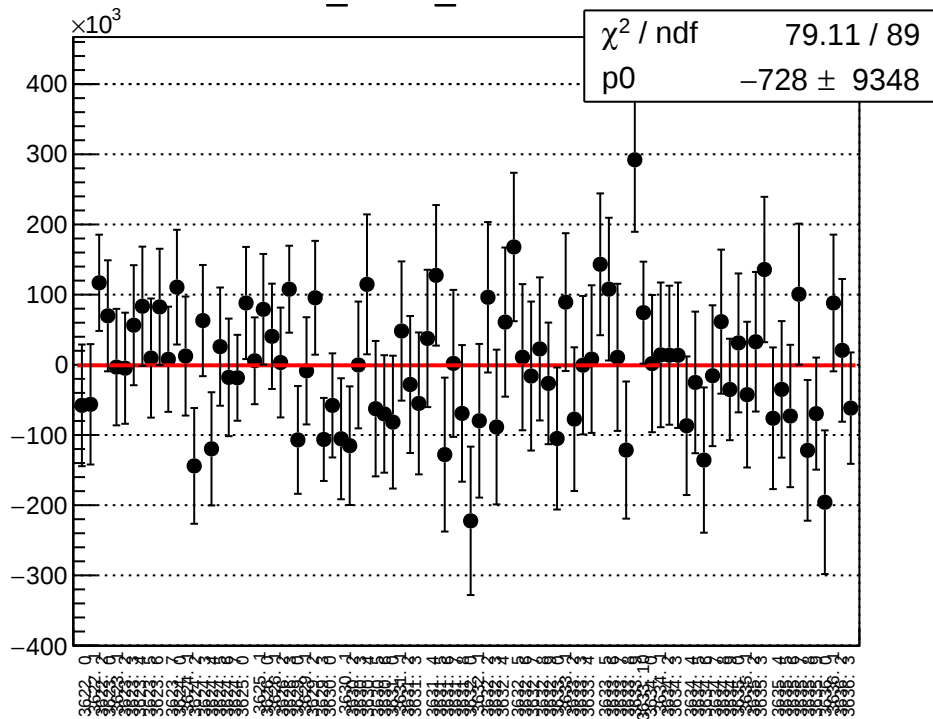
cor_sam3_mean vs run



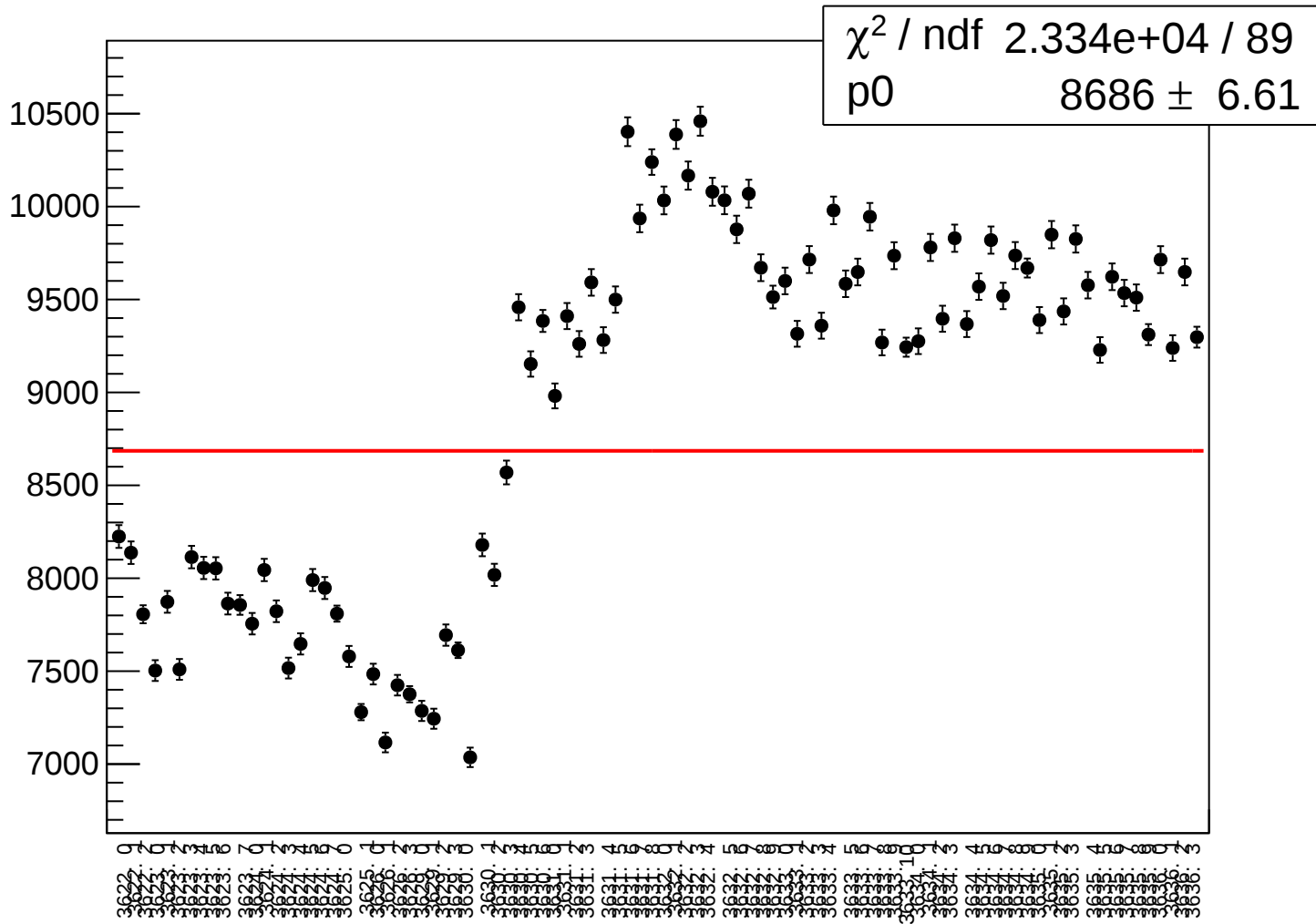
cor_sam3_rms vs run



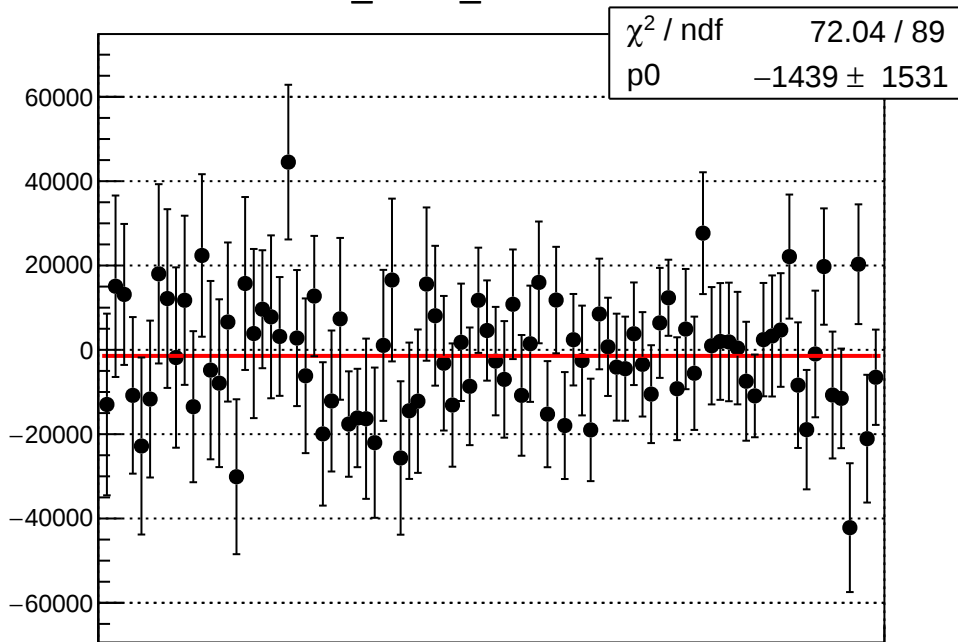
cor_sam4_mean vs run



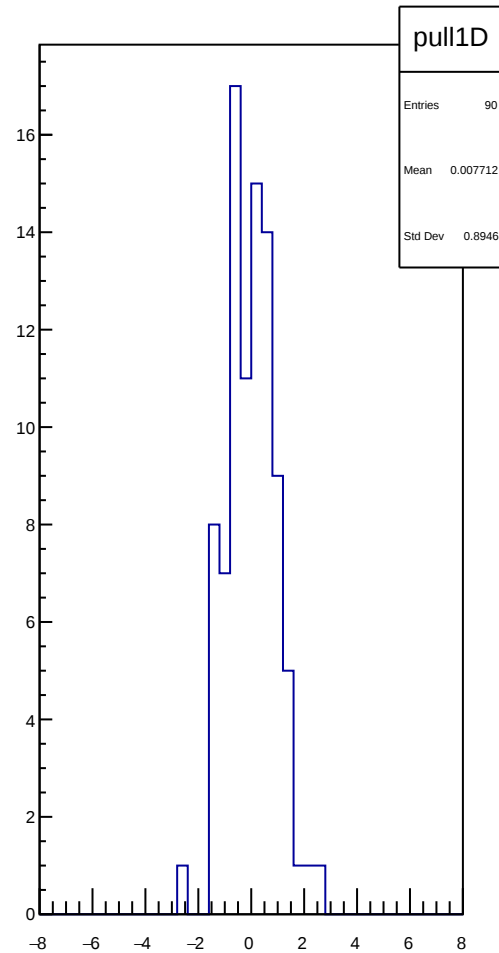
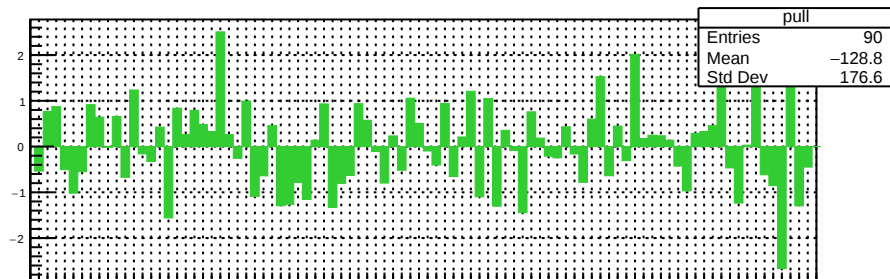
cor_sam4_rms vs run



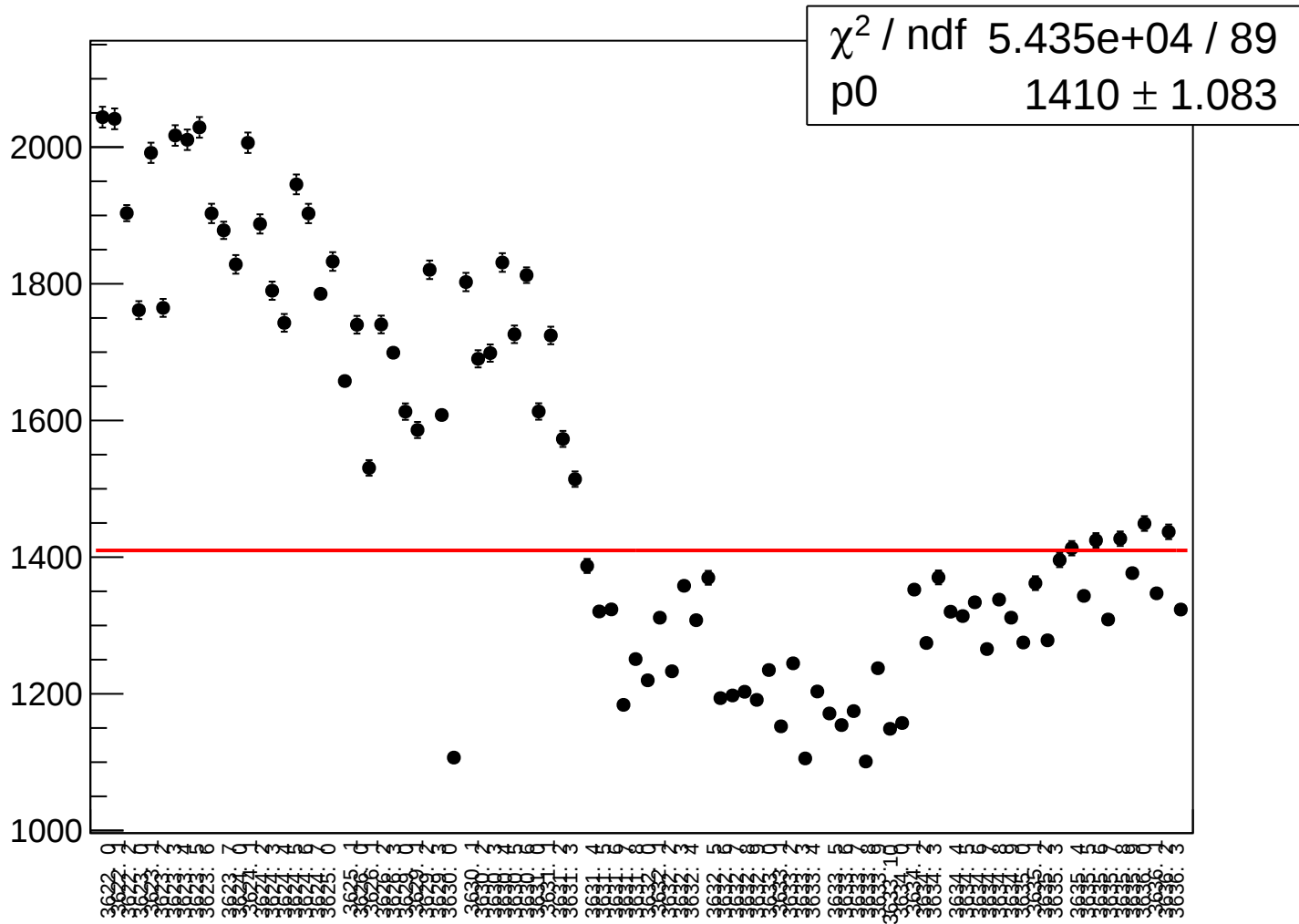
cor_sam5_mean vs run



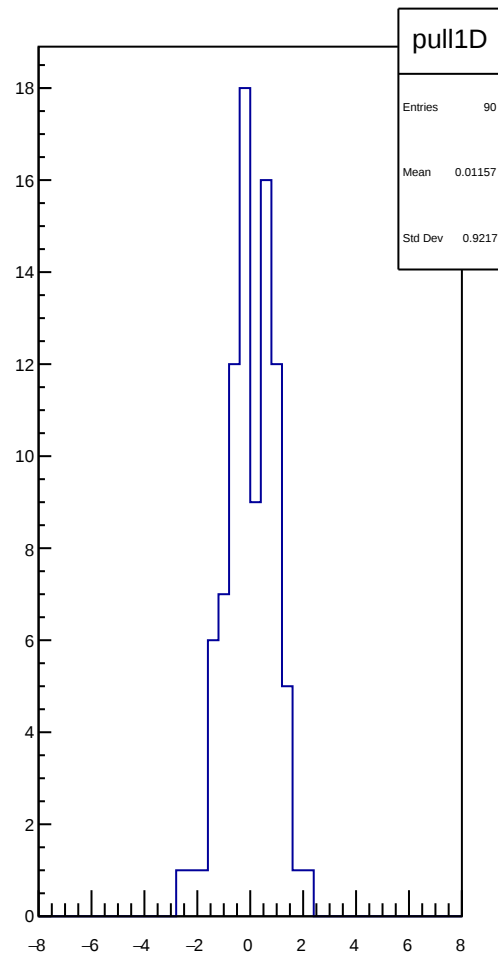
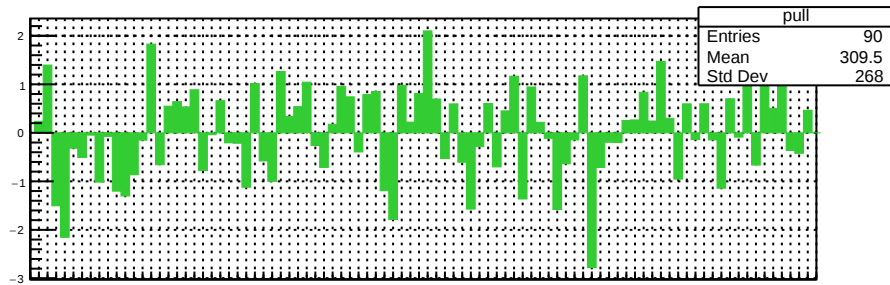
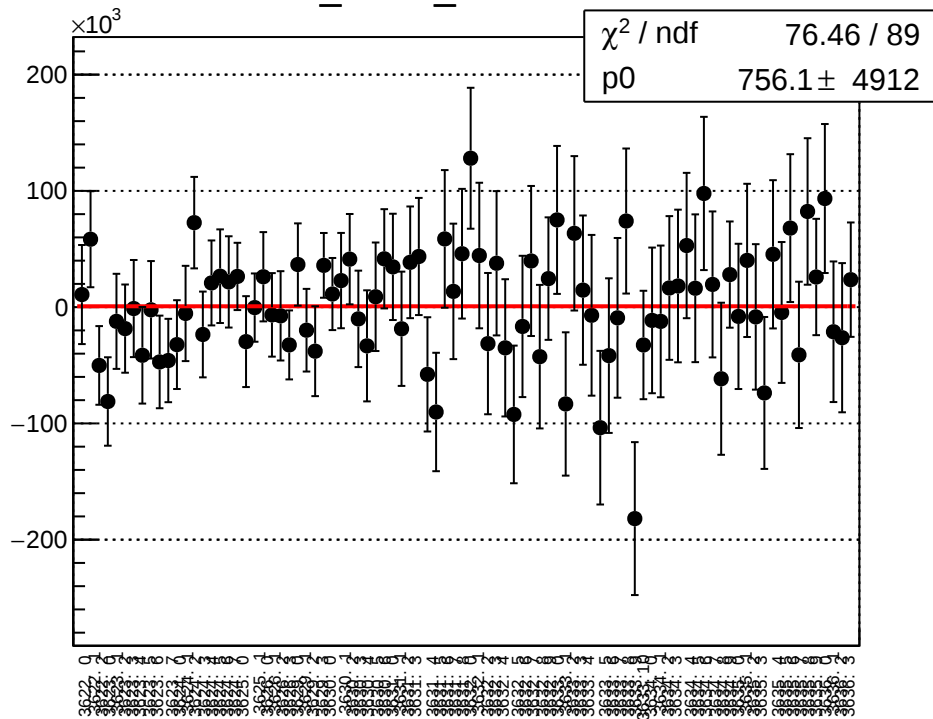
Correlation coefficients for each run are plotted against the run number. The y-axis represents the correlation value, ranging from -60000 to 60000. The x-axis represents the run number. A horizontal red line indicates zero correlation. The plot shows significant fluctuations in the correlation values across different runs.



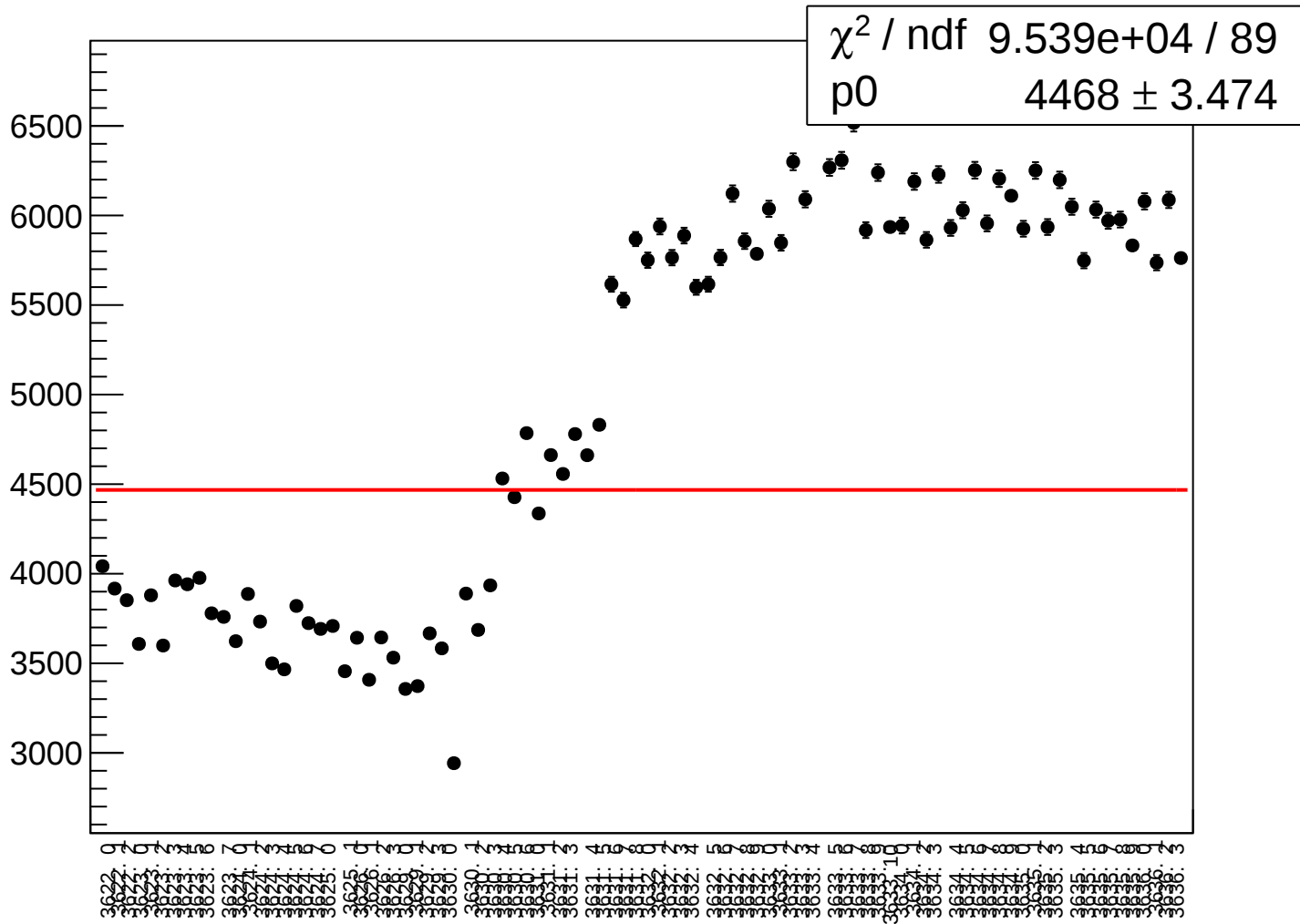
cor_sam5_rms vs run



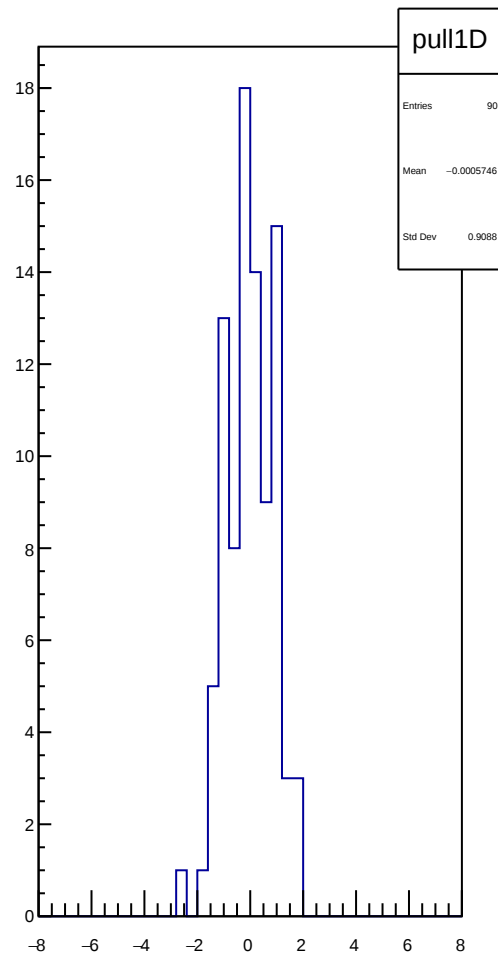
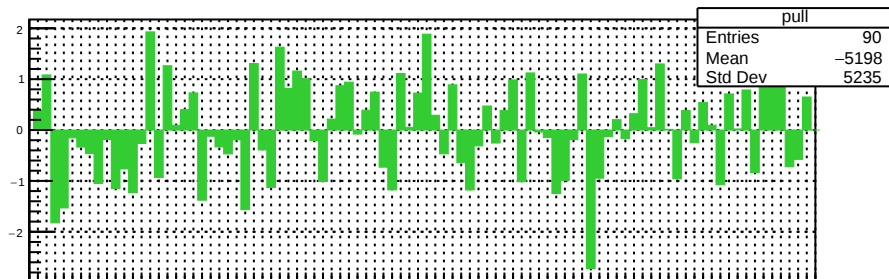
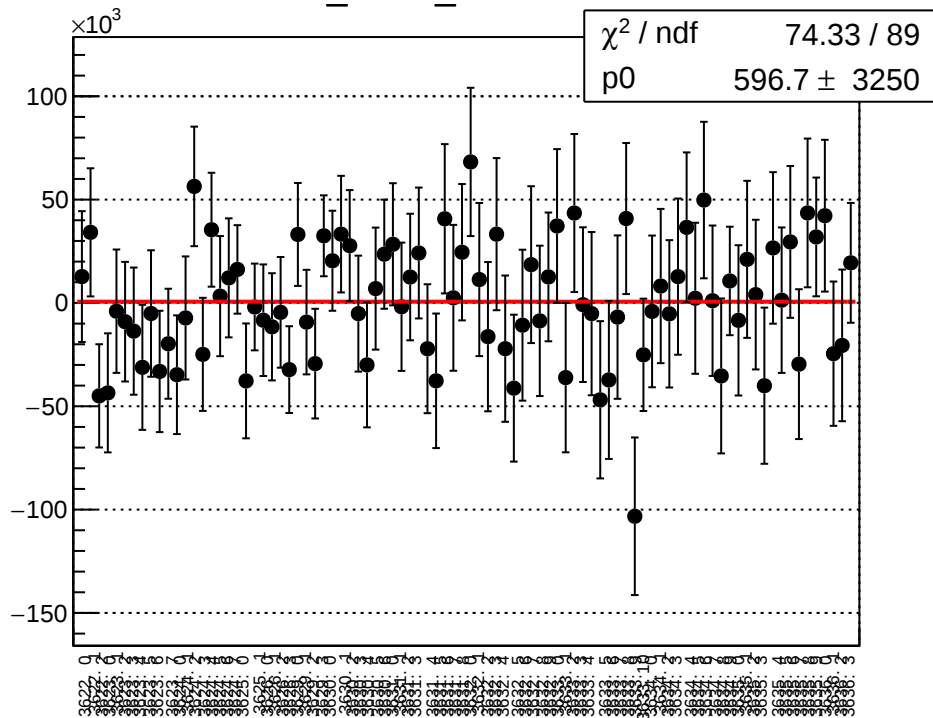
cor_sam6_mean vs run



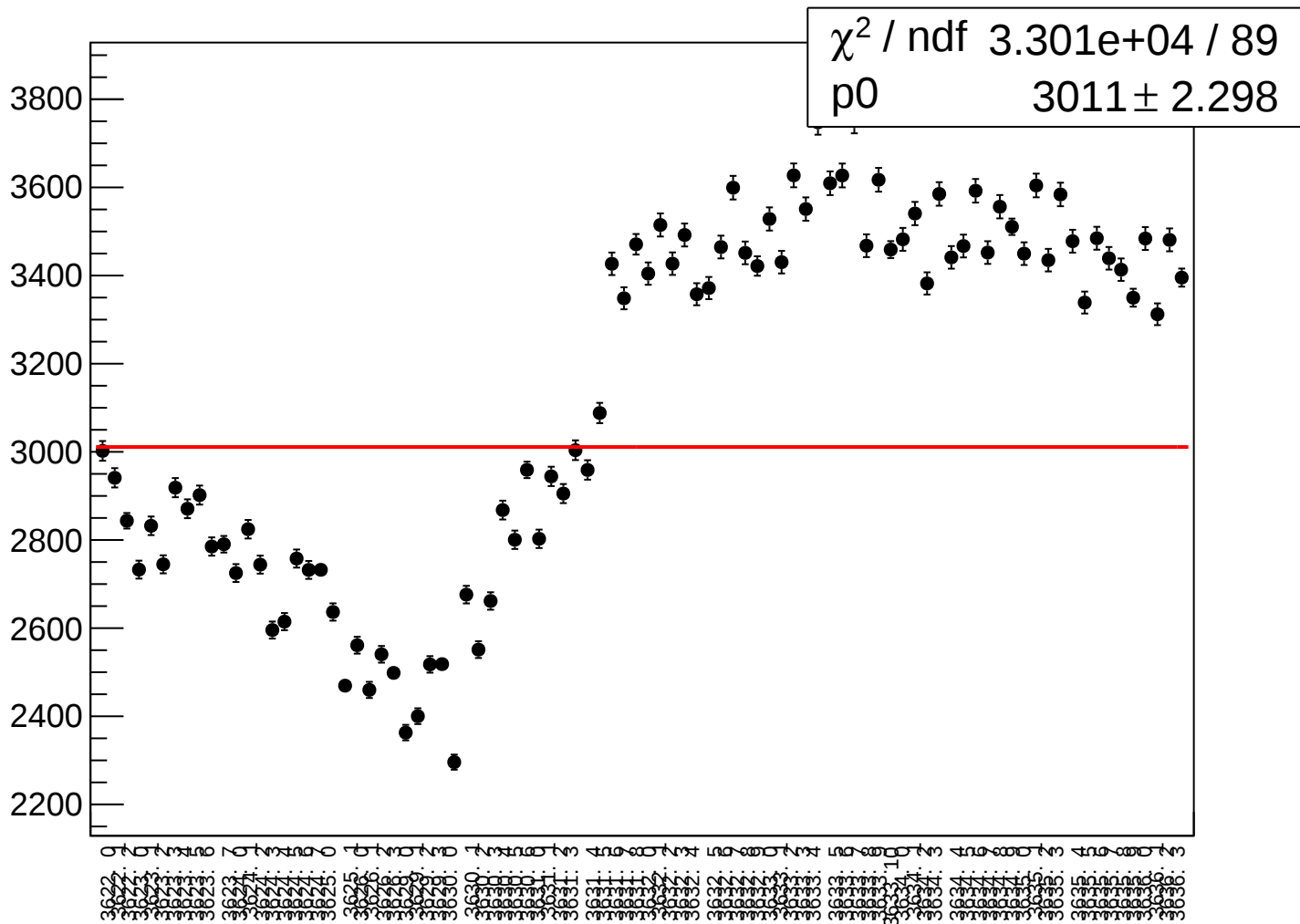
cor_sam6_rms vs run



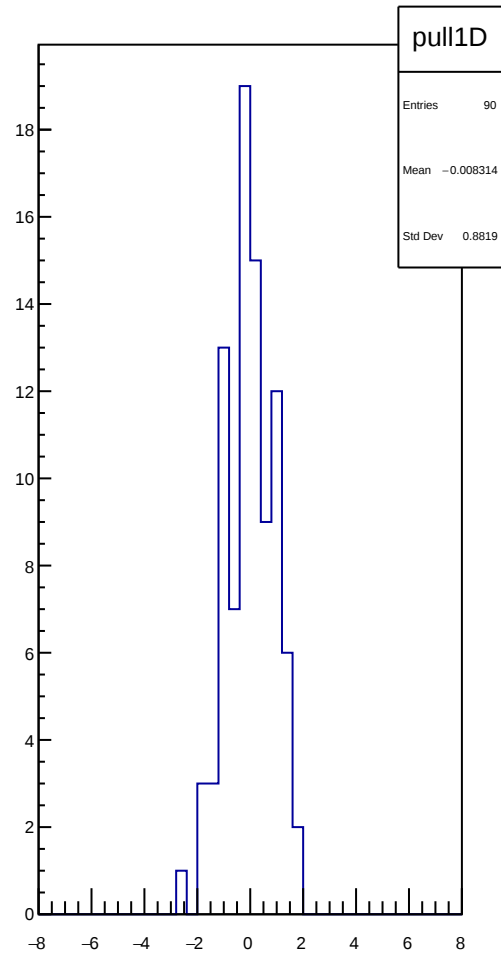
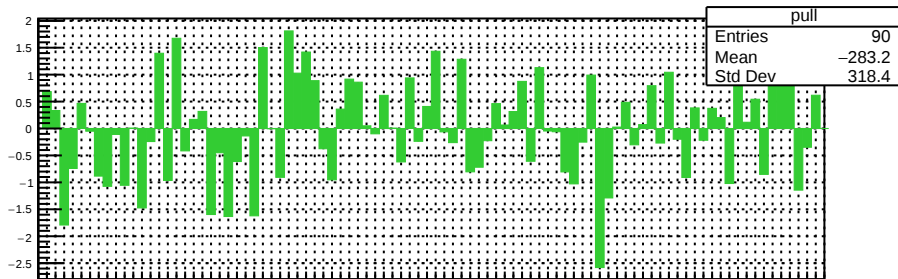
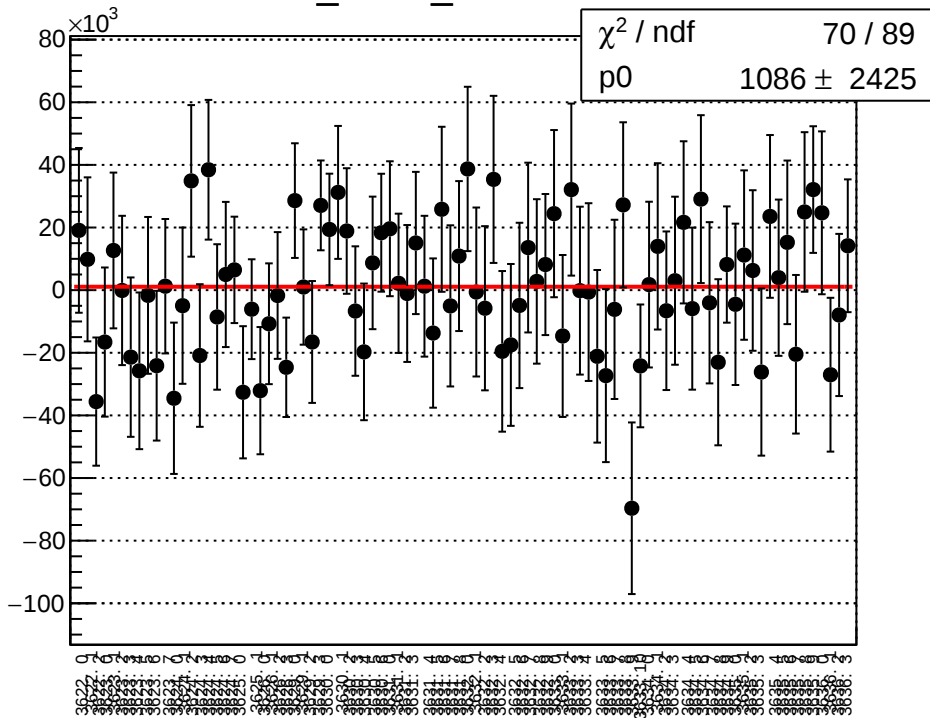
cor_sam7_mean vs run



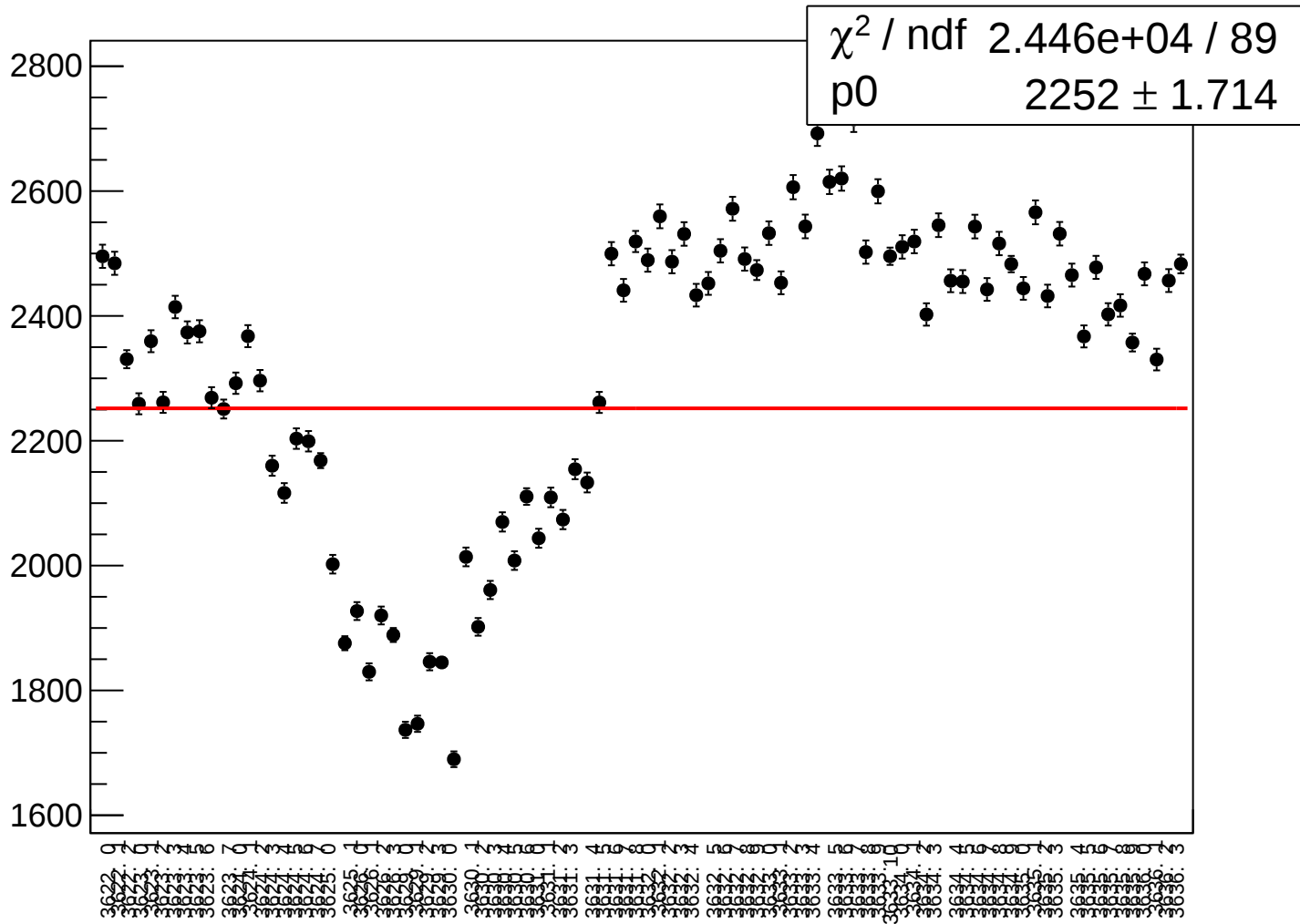
cor_sam7_rms vs run



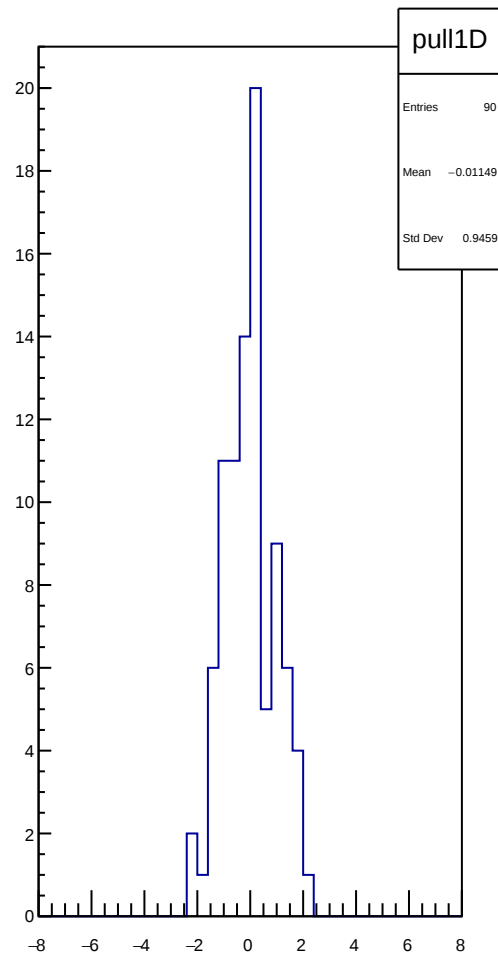
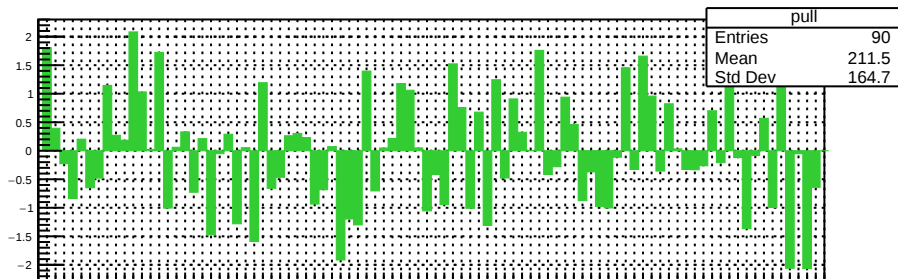
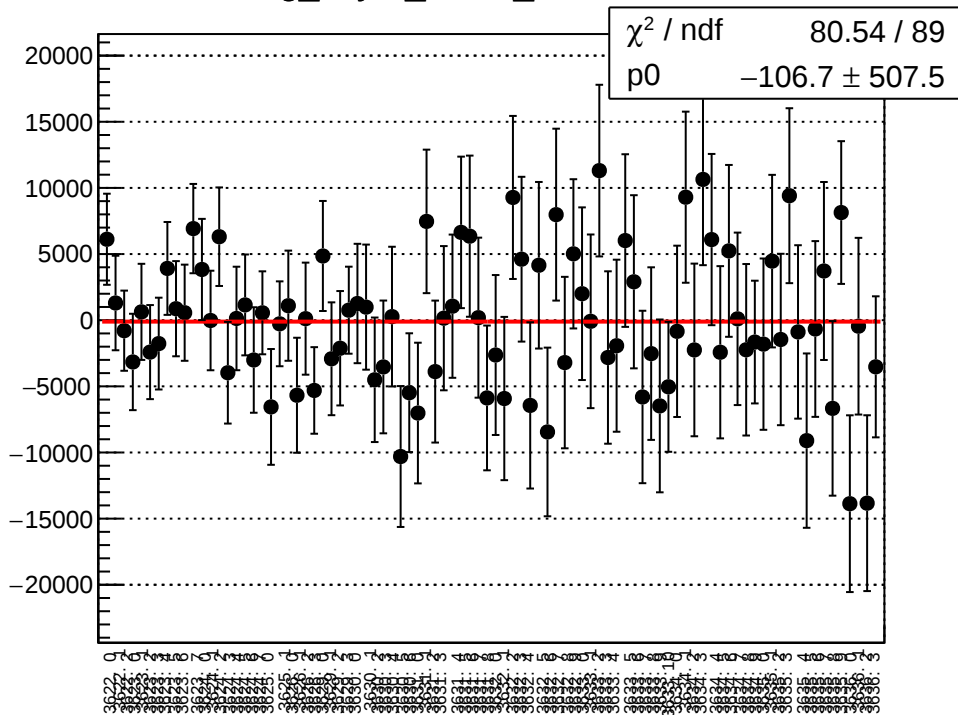
cor_sam8_mean vs run



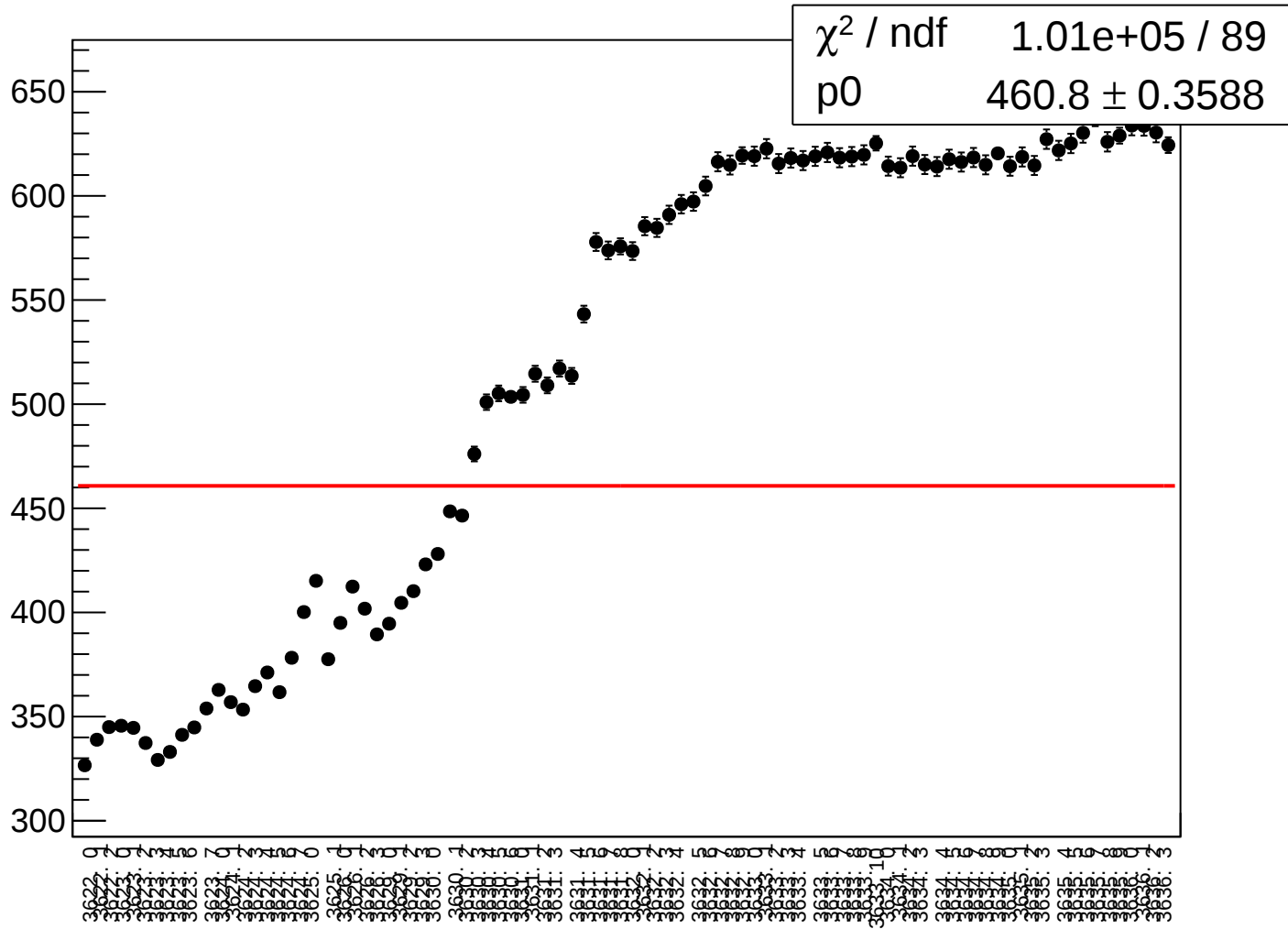
cor_sam8_rms vs run



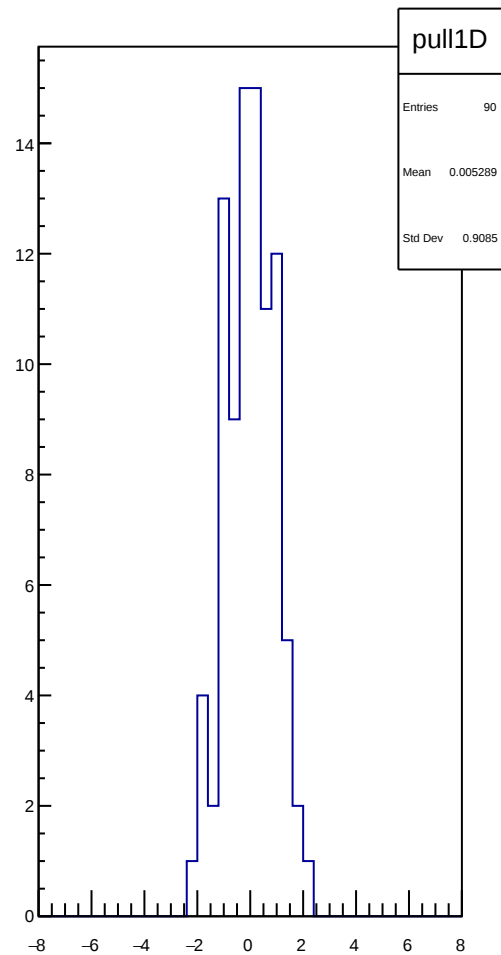
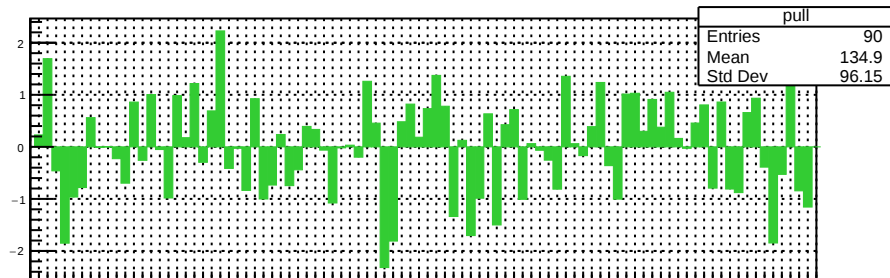
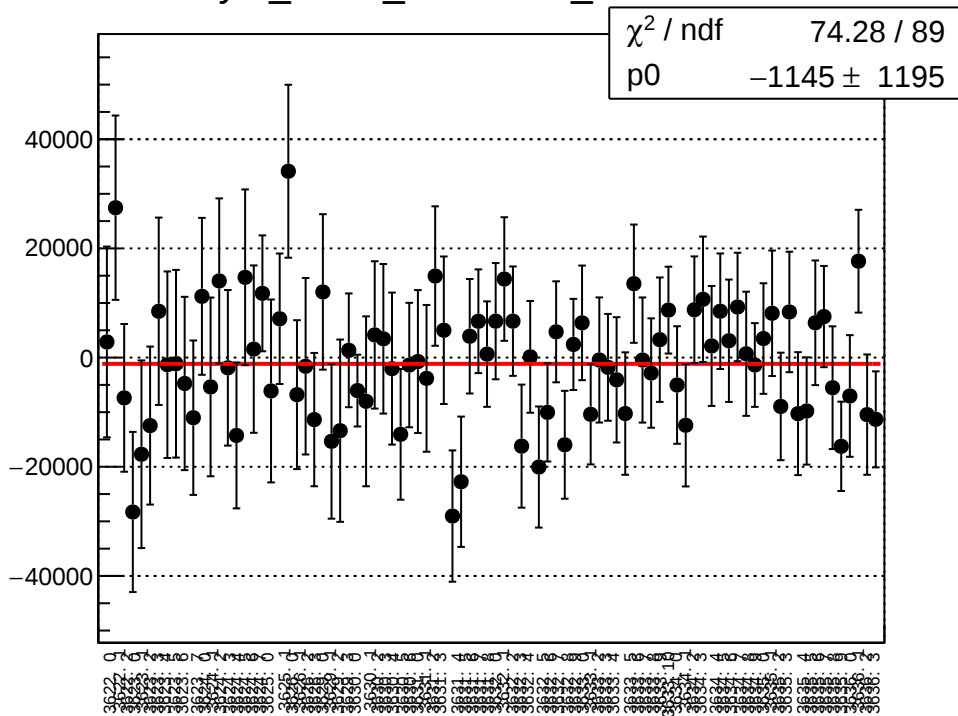
reg_asym_sam1_mean vs run



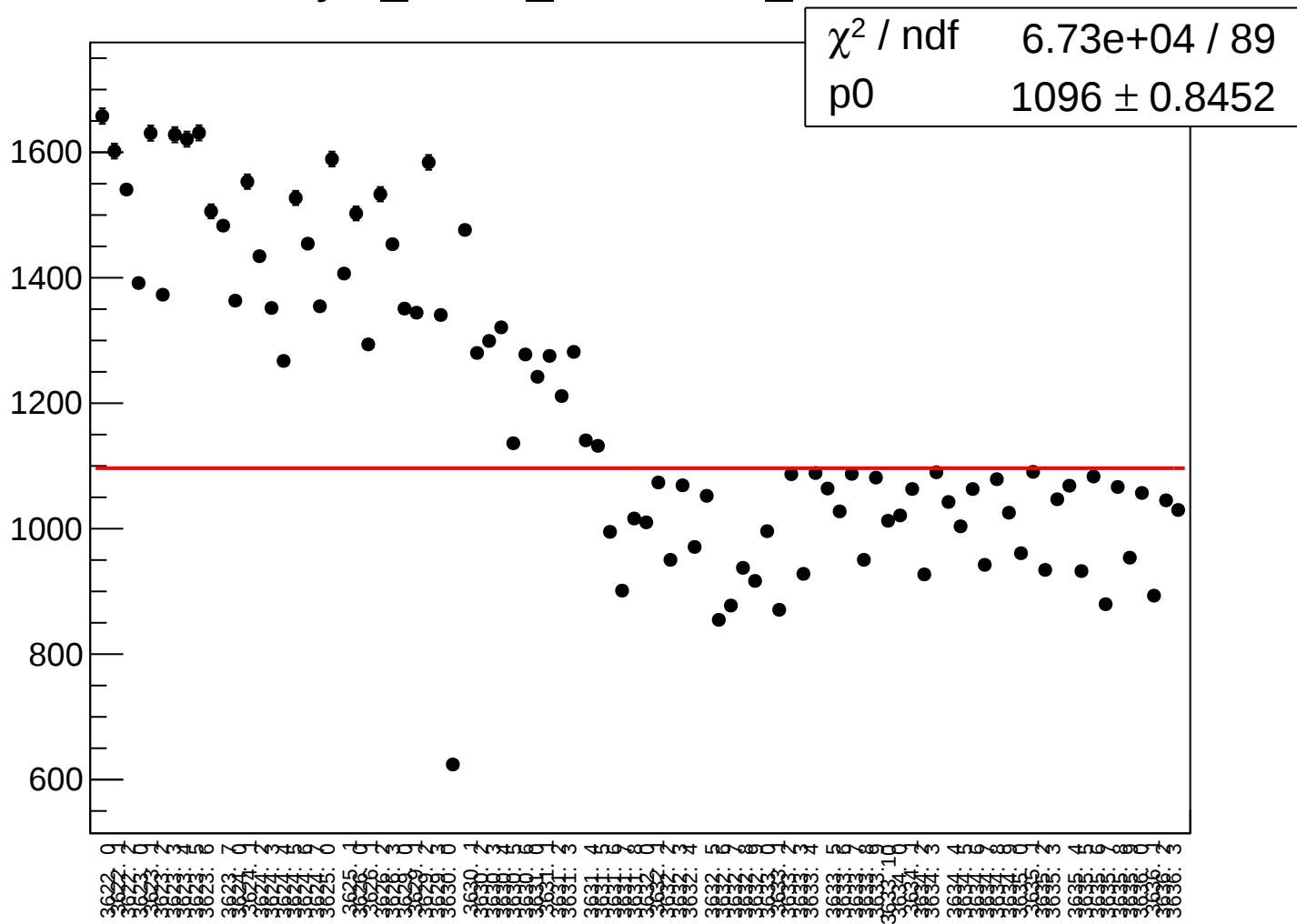
reg_asym_sam1_rms vs run



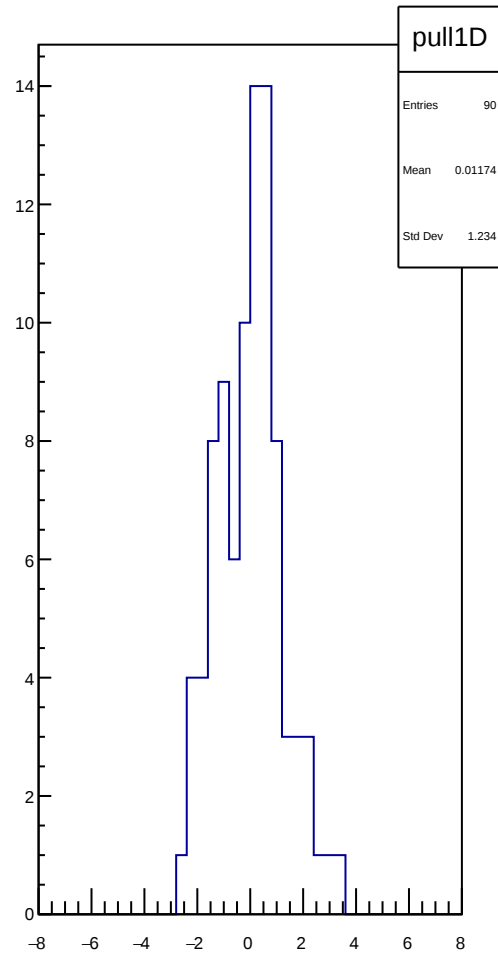
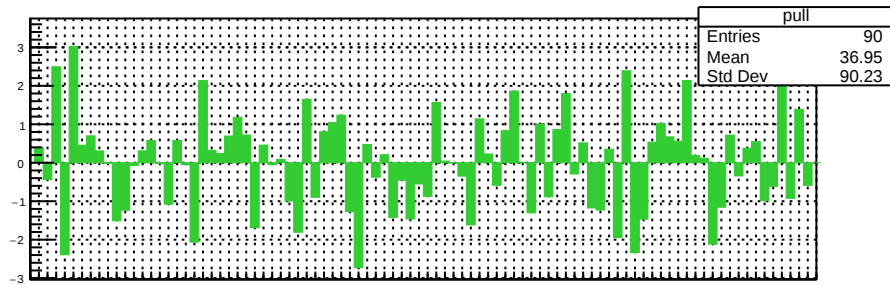
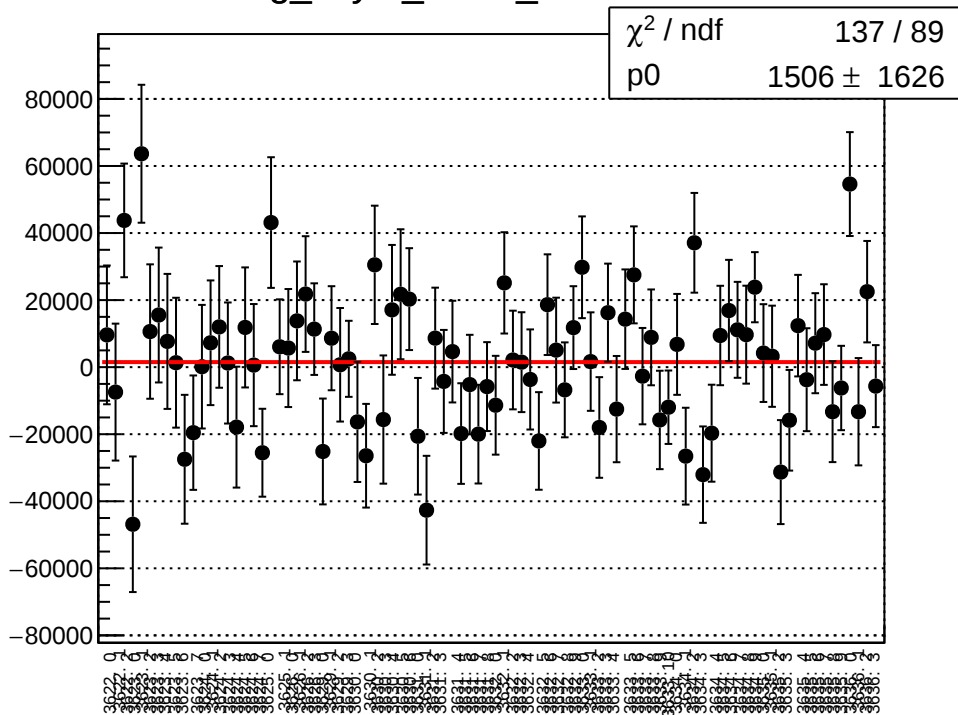
asym_sam1_correction_mean vs run



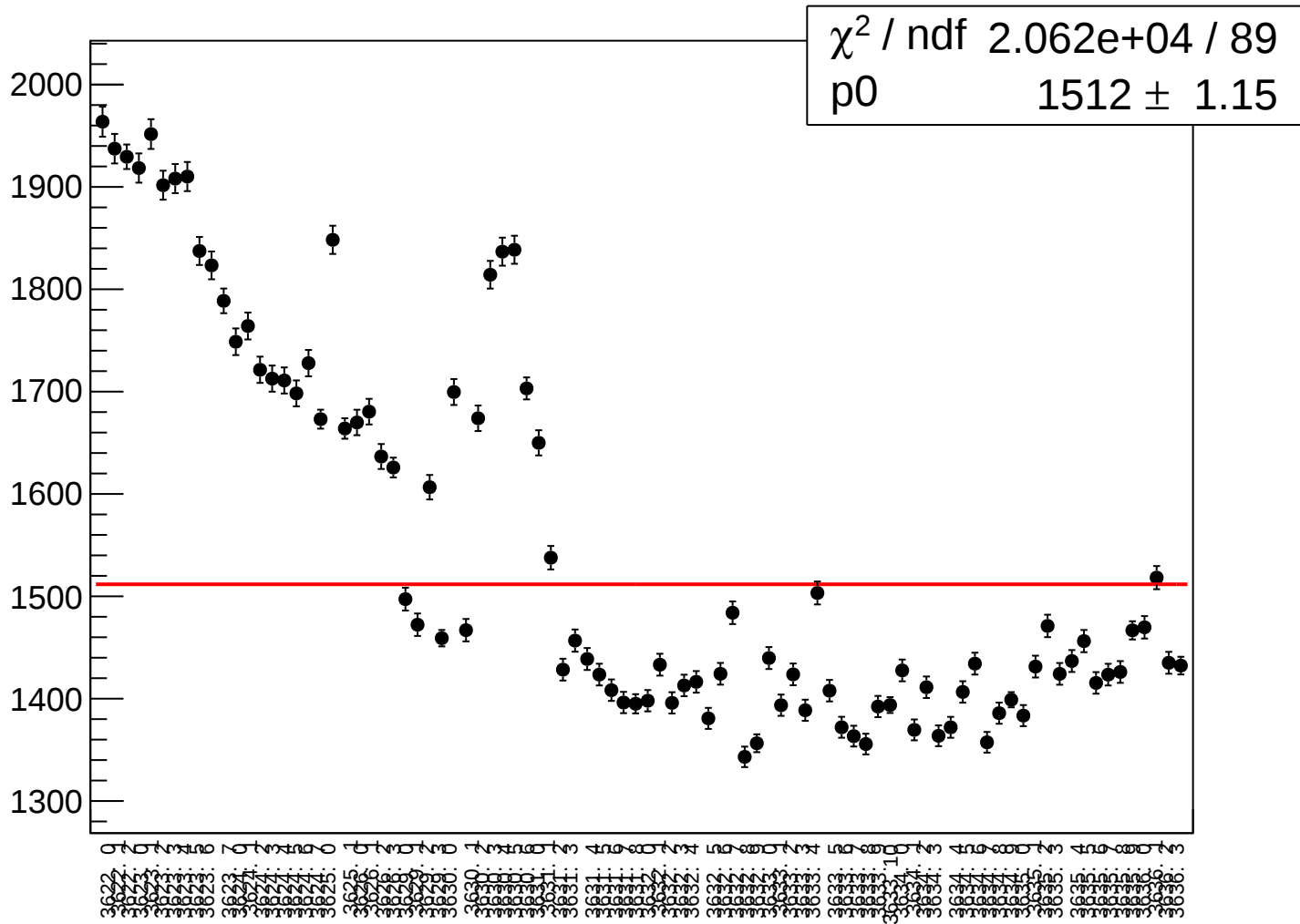
asym_sam1_correction_rms vs run



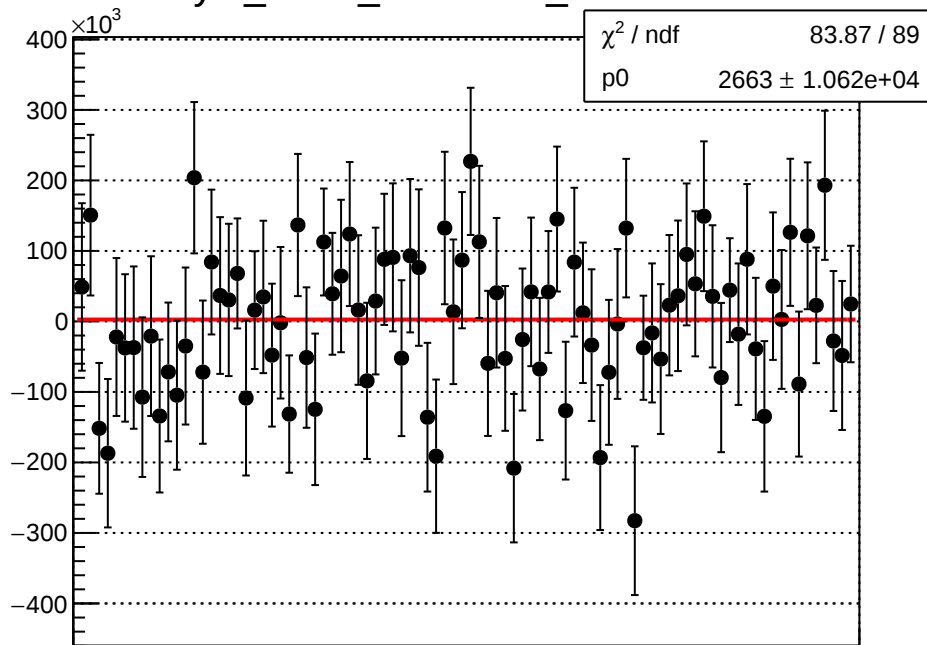
reg_asym_sam2_mean vs run



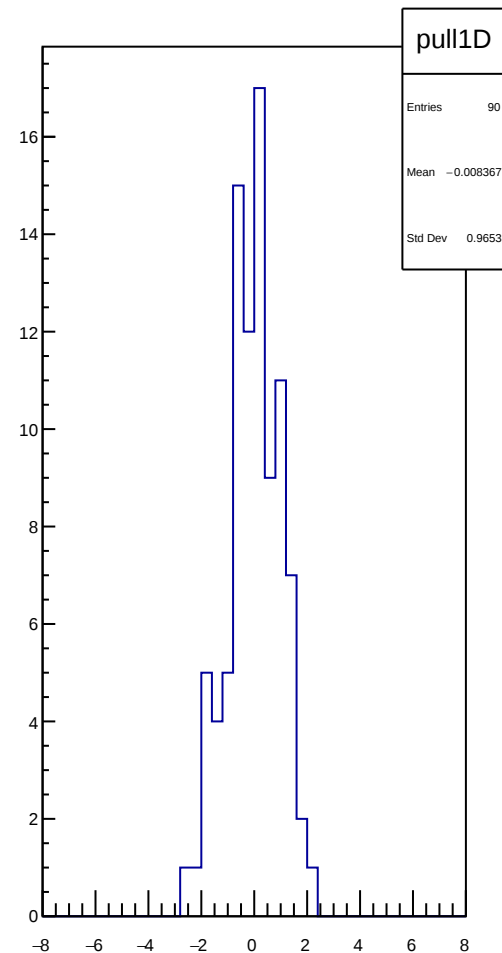
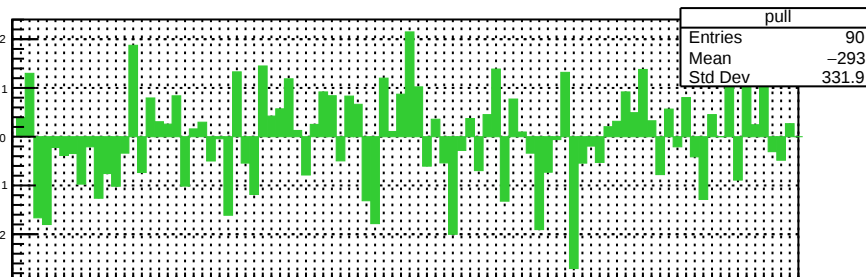
reg_asym_sam2_rms vs run



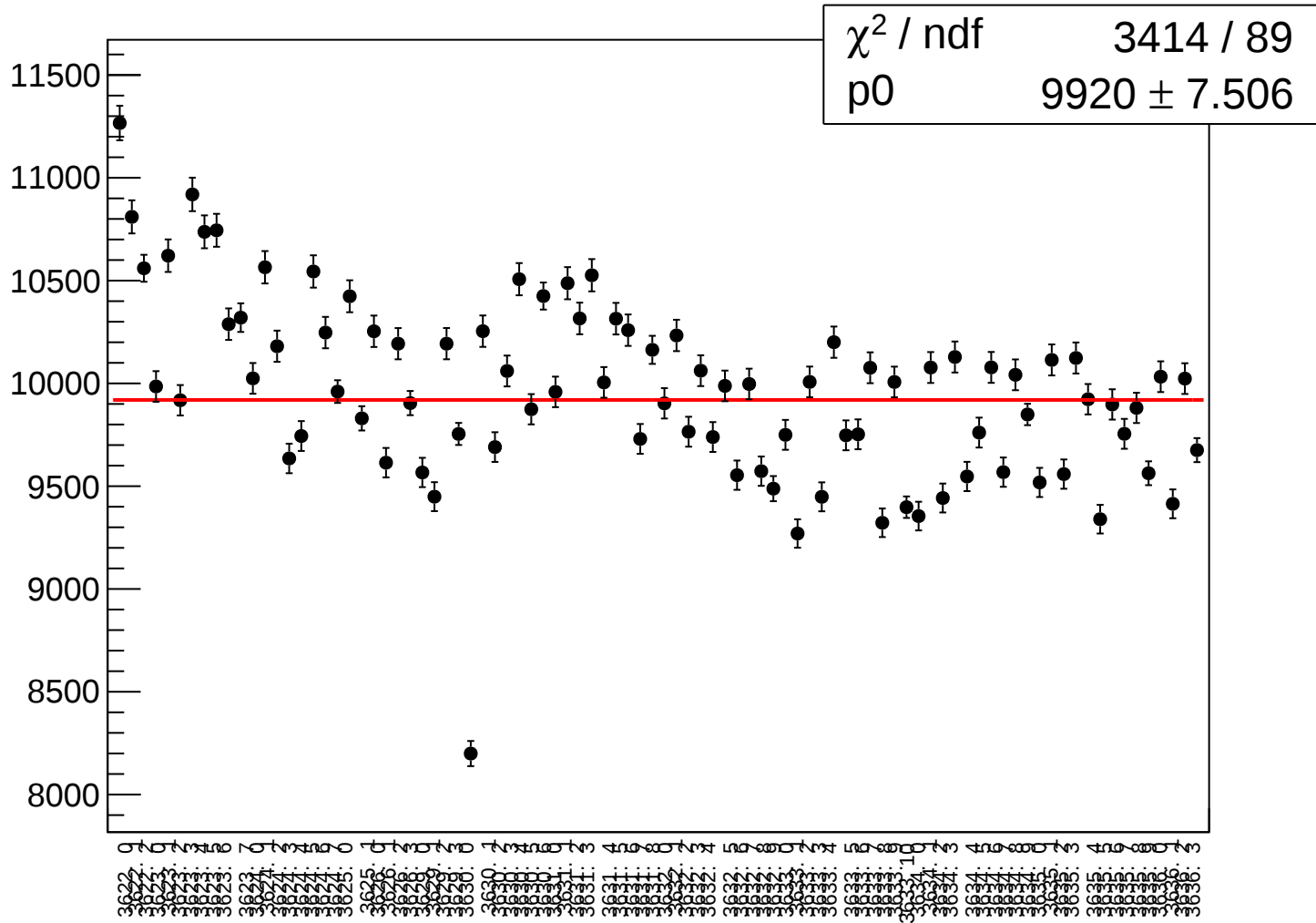
asym_sam2_correction_mean vs run



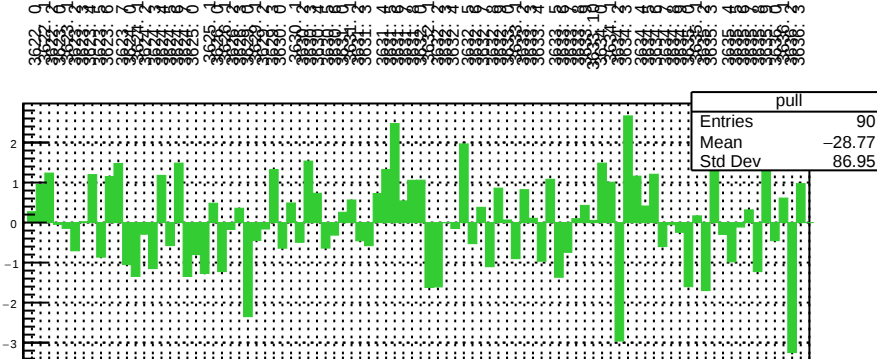
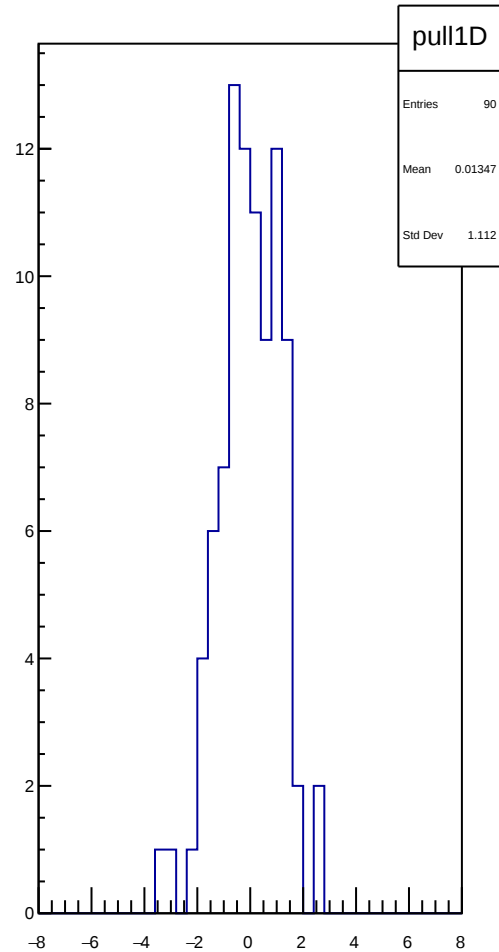
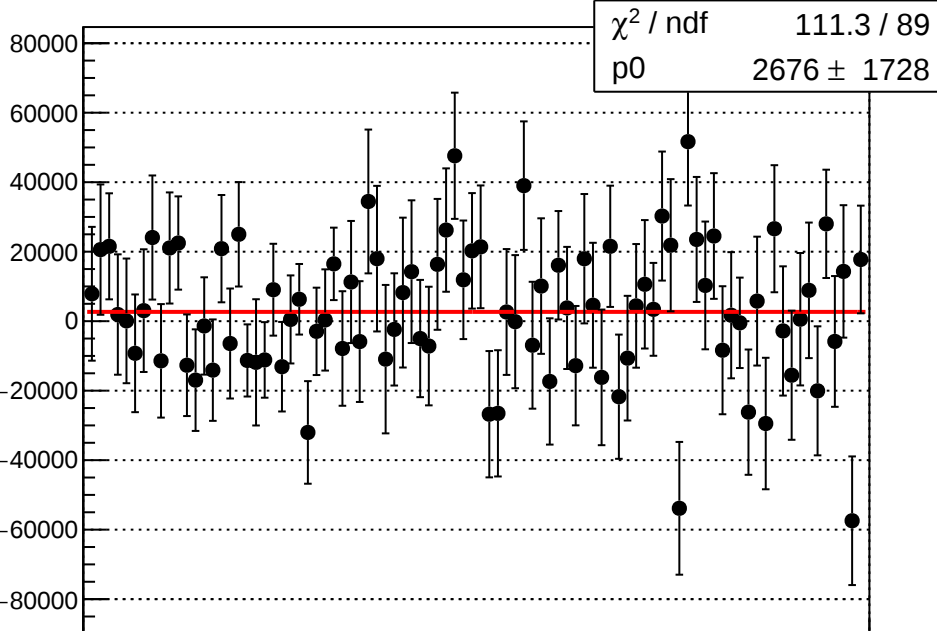
Correlation plot showing the correlation between the asym_sam2_correction_mean and the run. The plot displays a dense grid of points, indicating a strong correlation between the two variables.



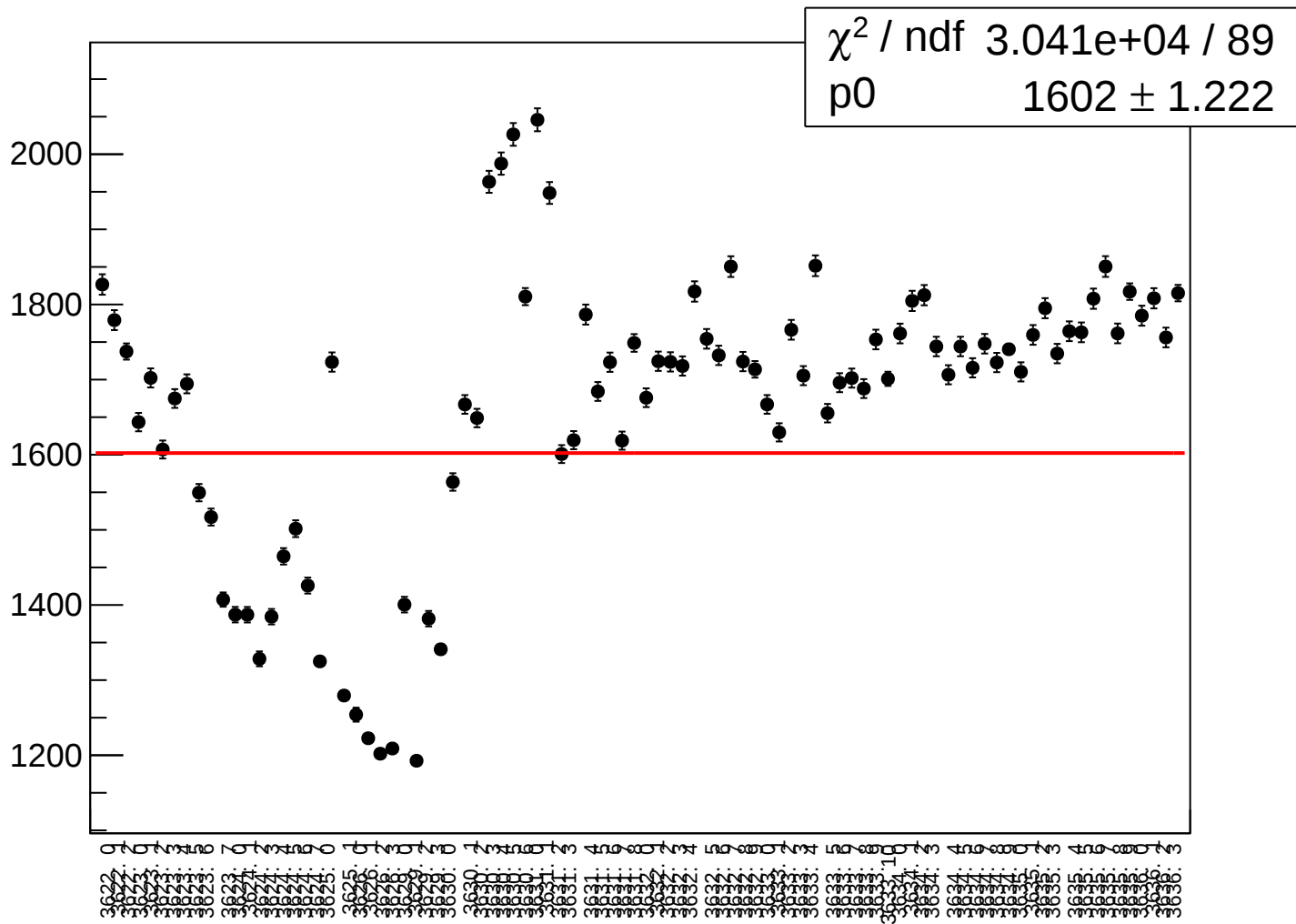
asym_sam2_correction_rms vs run



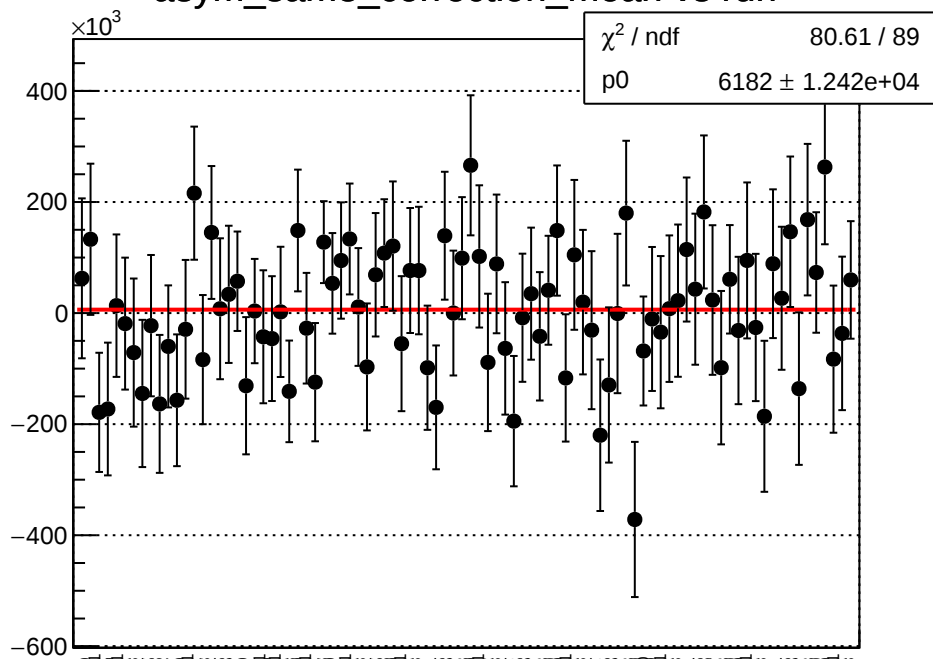
reg_asym_sam3_mean vs run



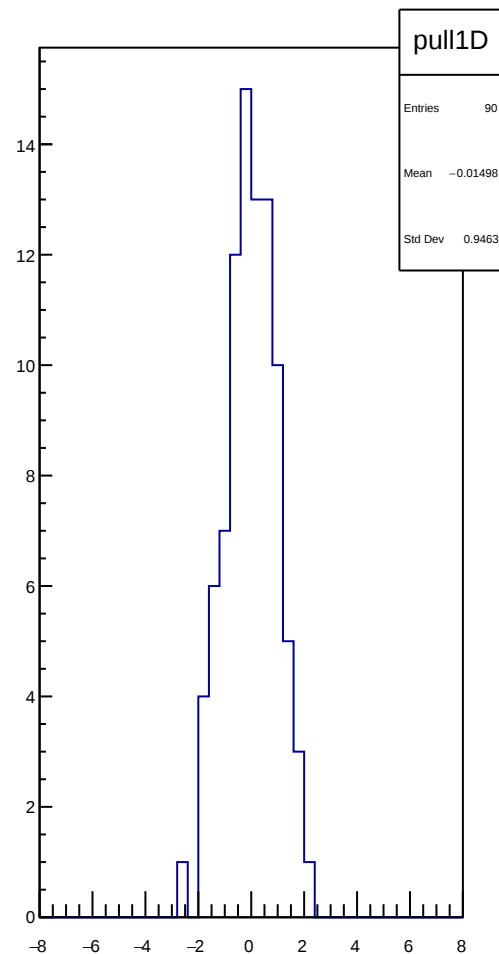
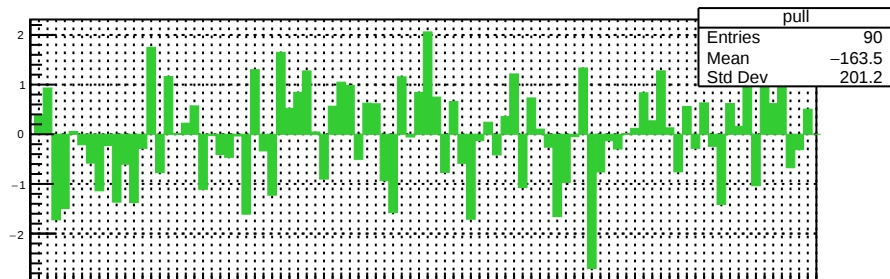
reg_asym_sam3_rms vs run



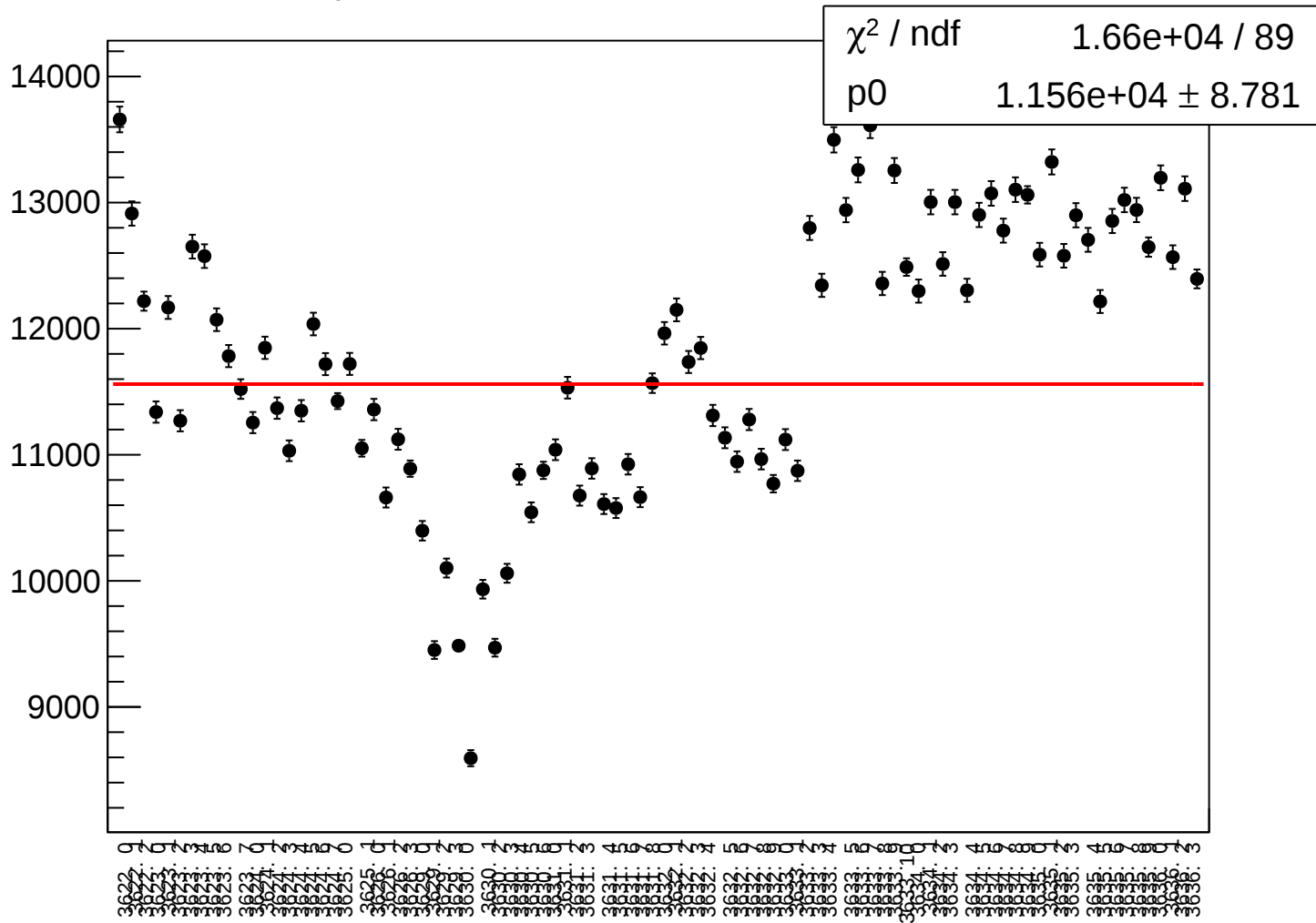
asym_sam3_correction_mean vs run



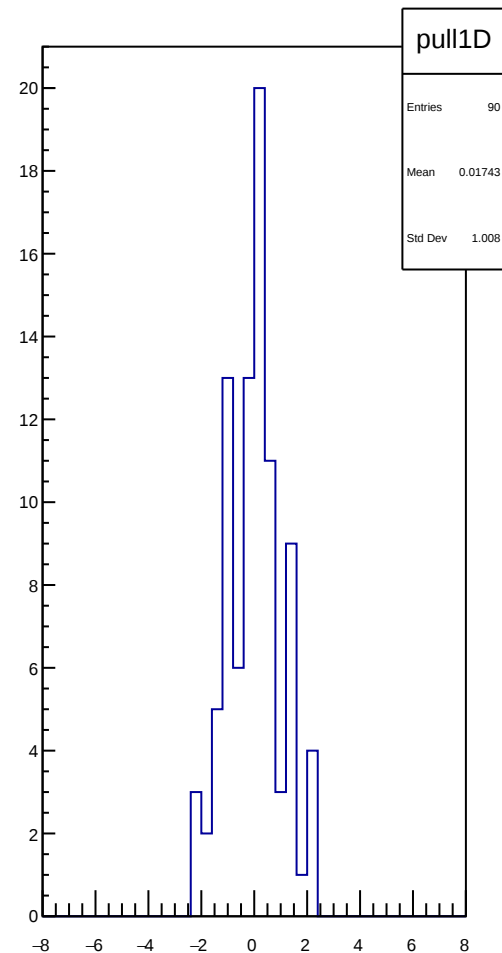
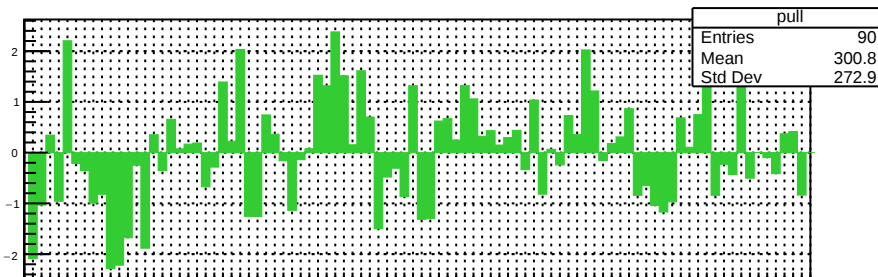
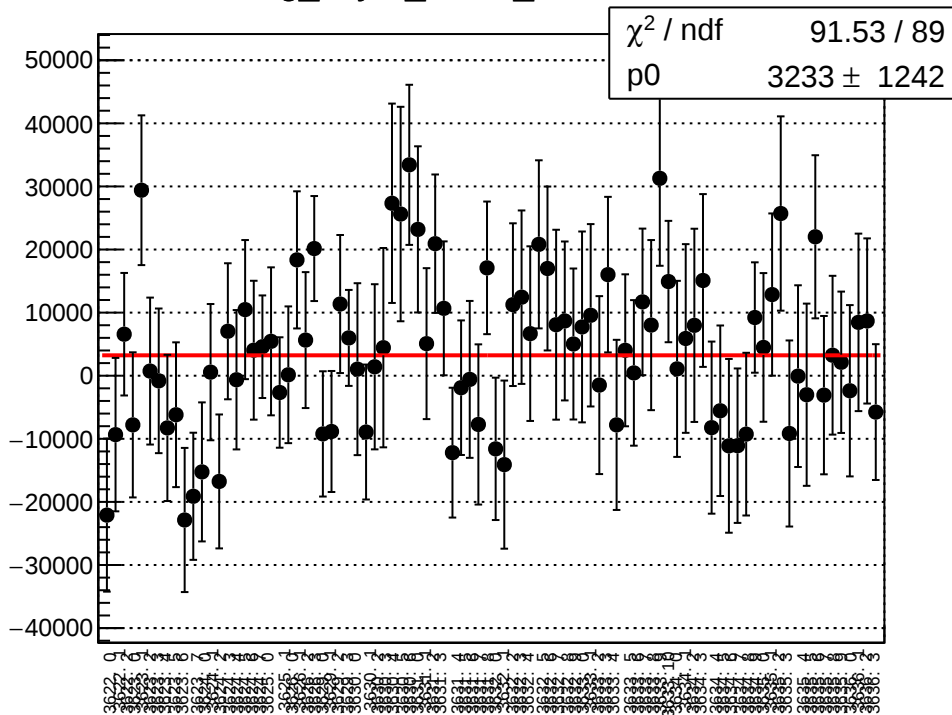
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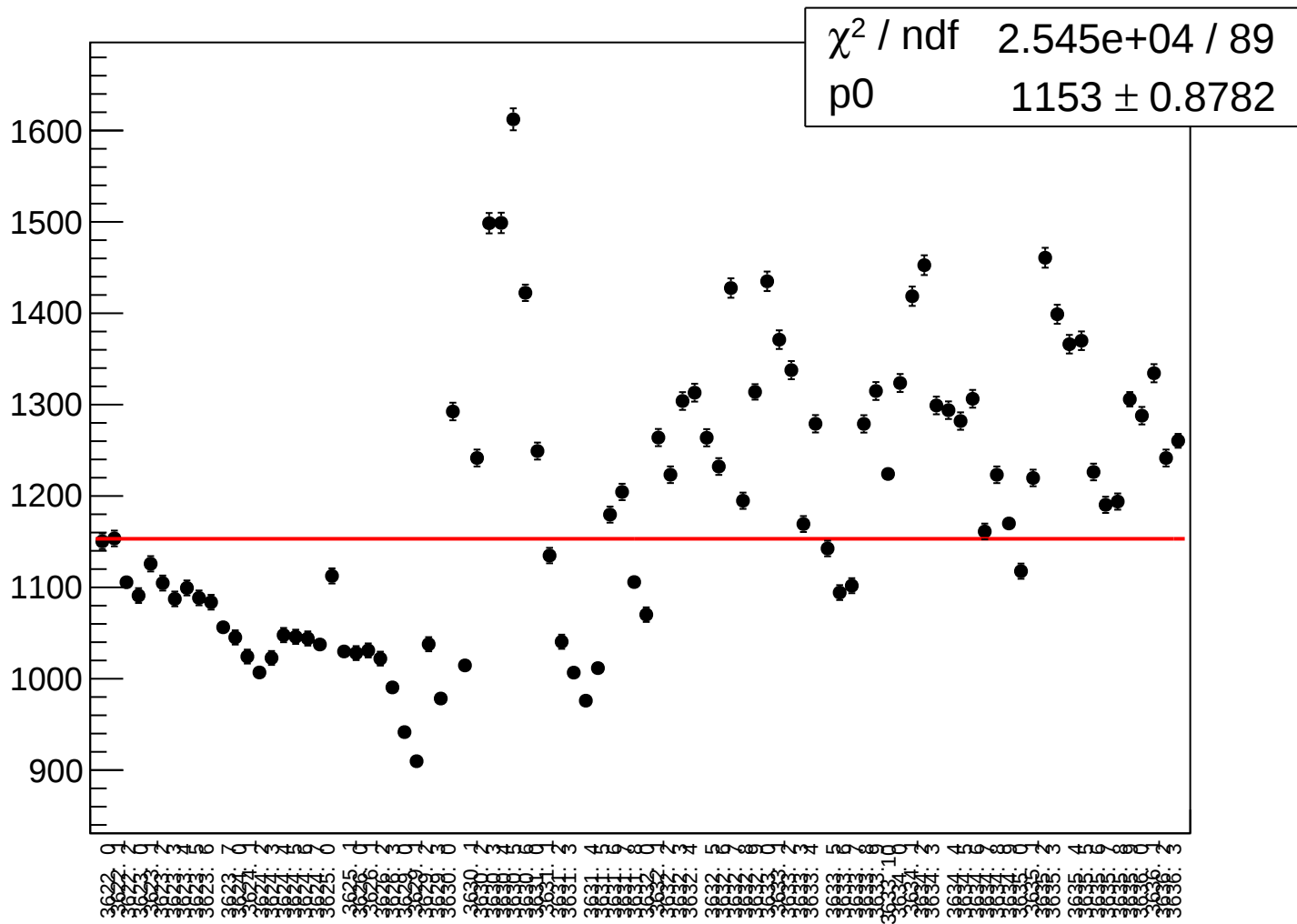
asym_sam3_correction_rms vs run



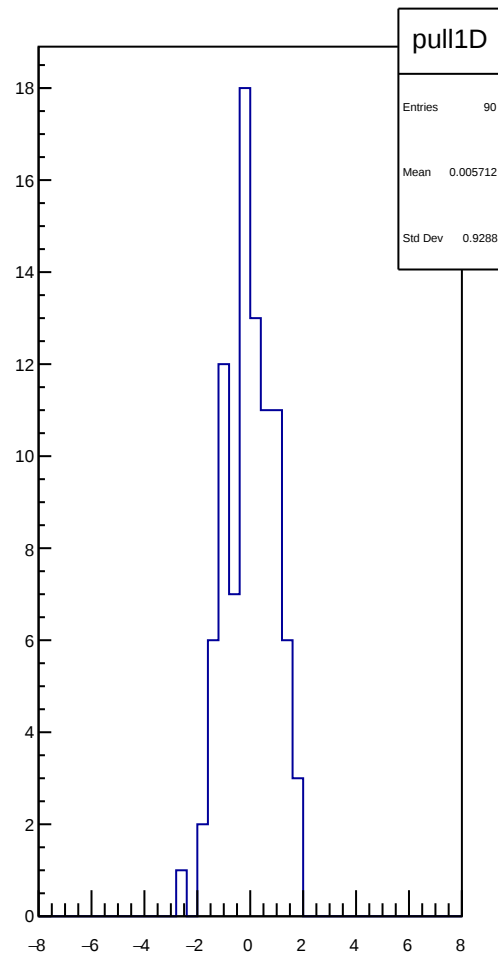
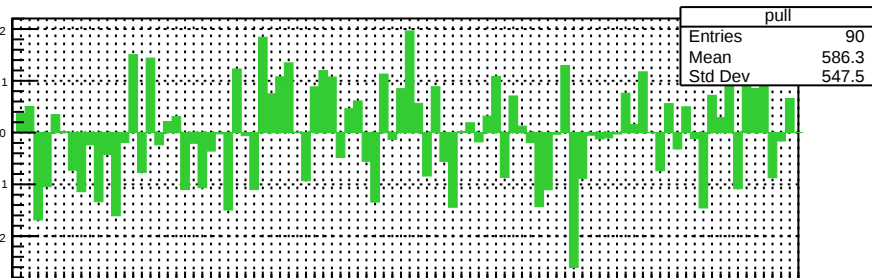
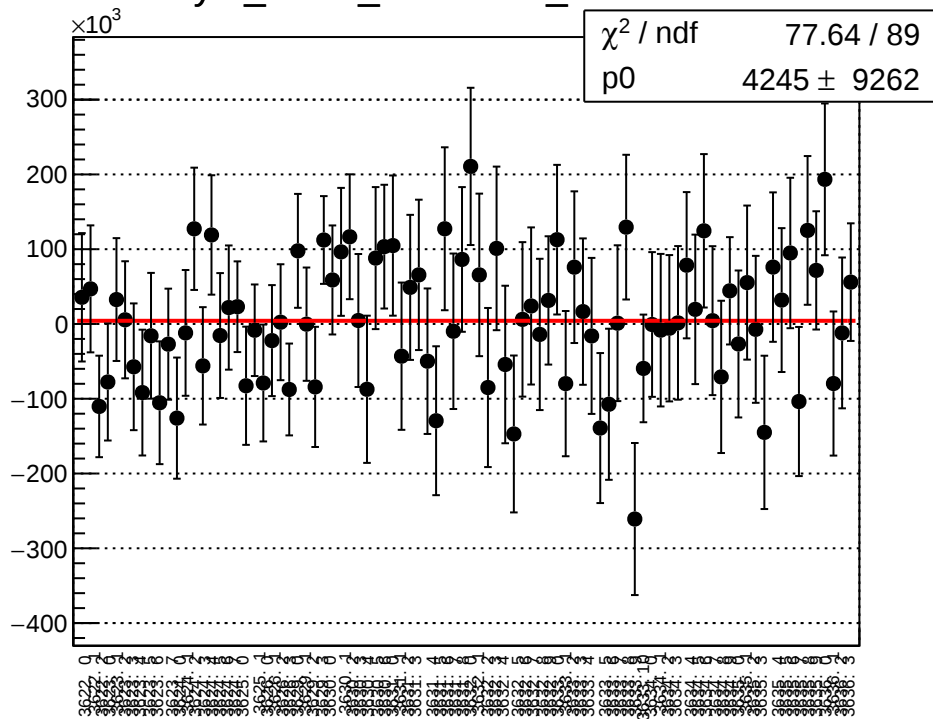
reg_asym_sam4_mean vs run



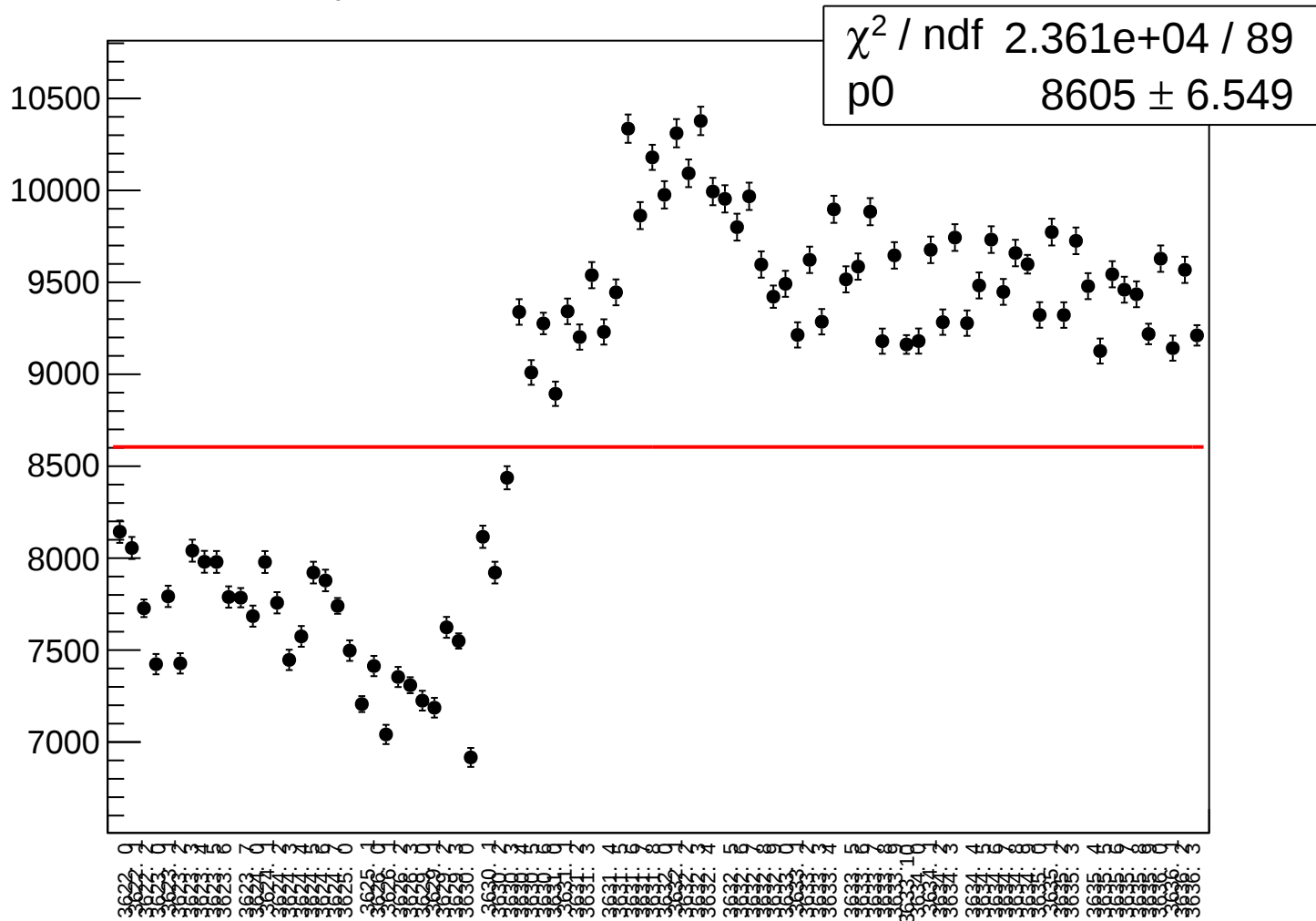
reg_asym_sam4_rms vs run



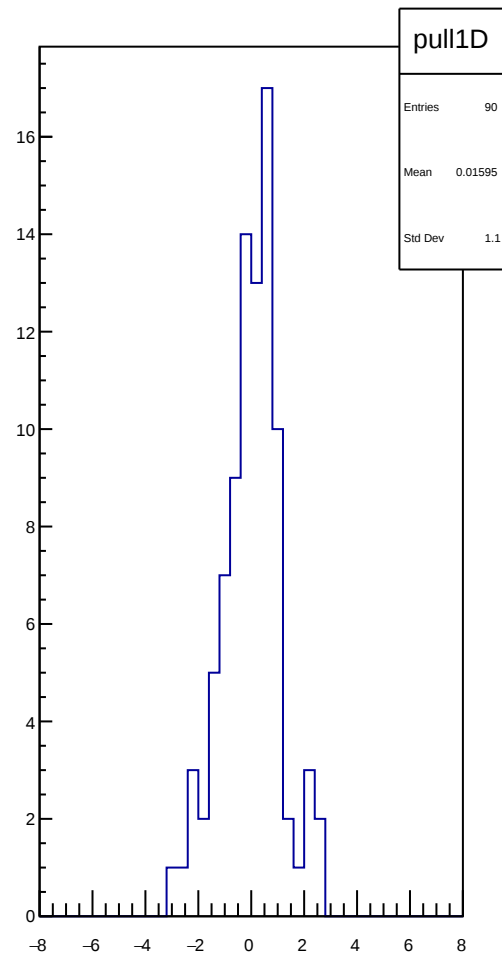
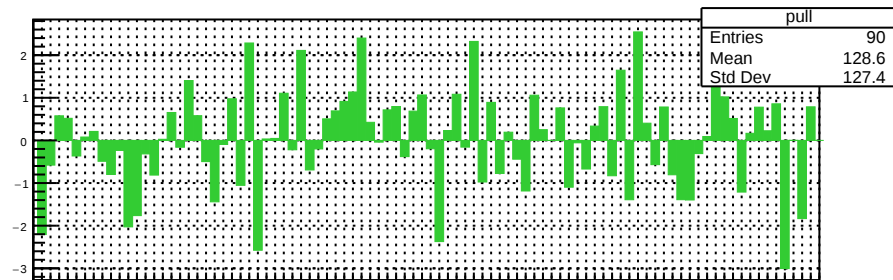
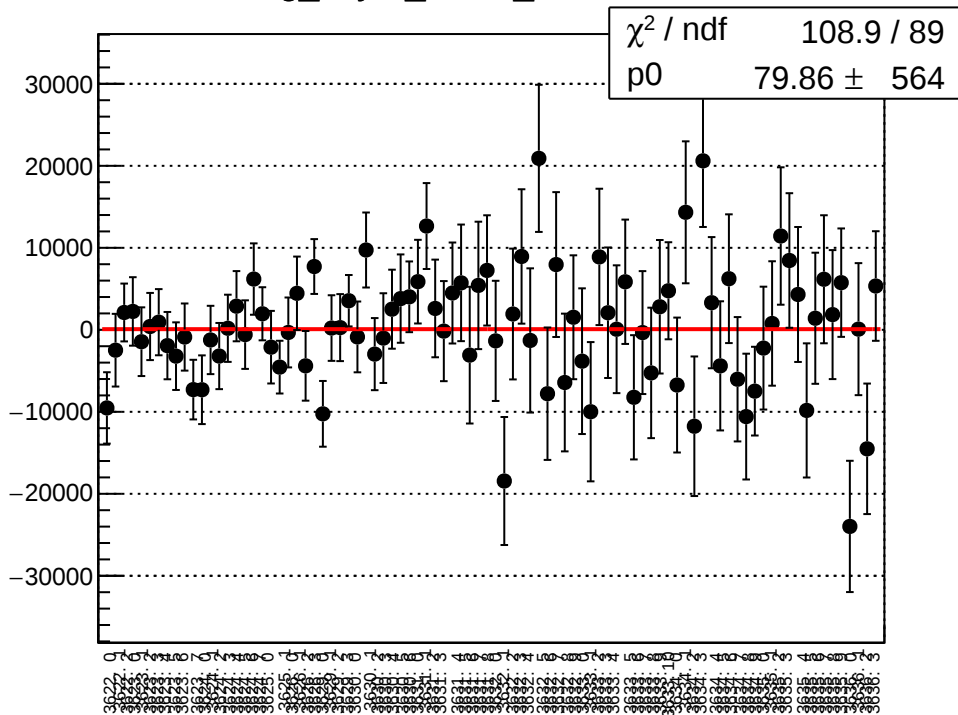
asym_sam4_correction_mean vs run



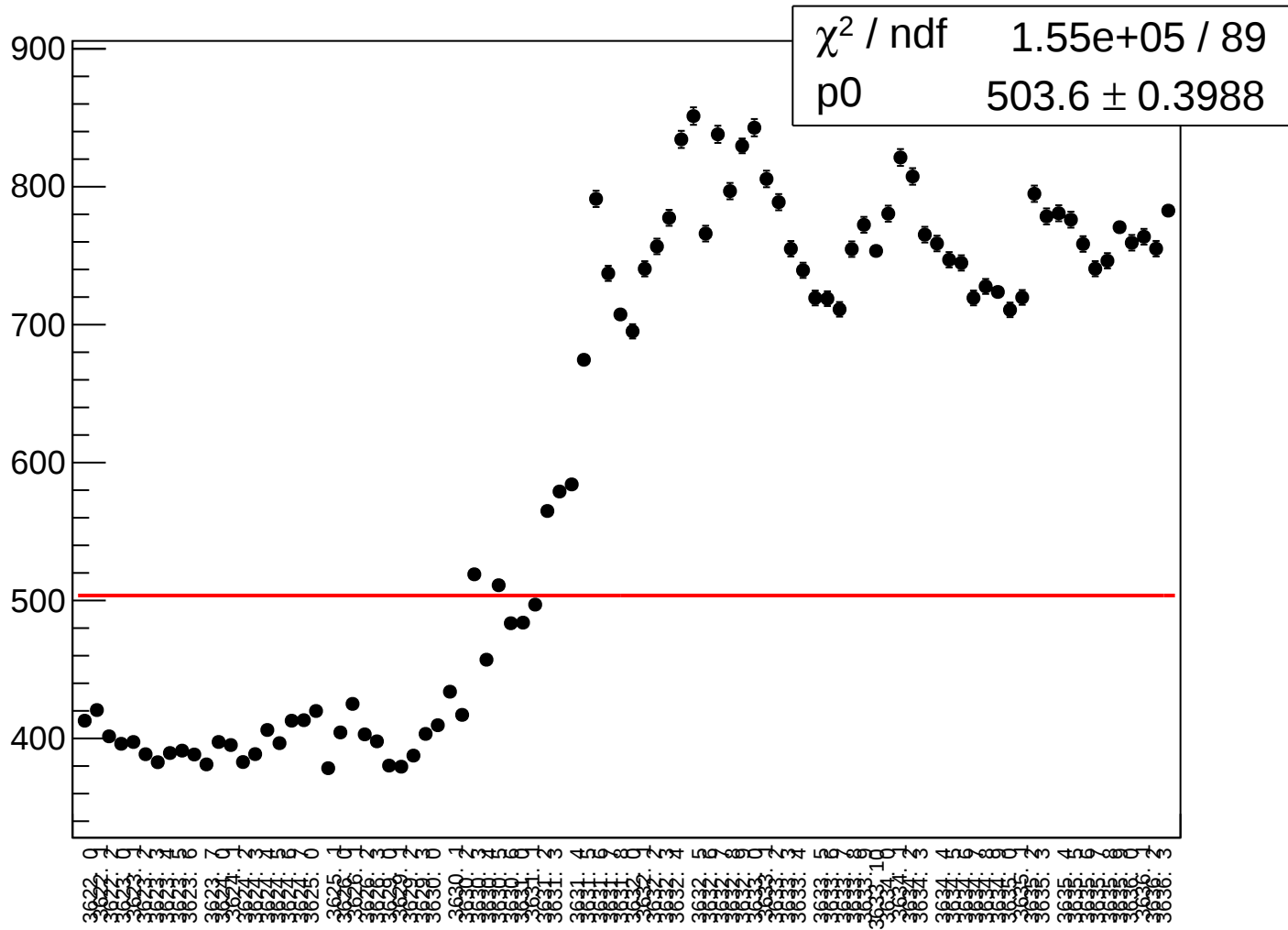
asym_sam4_correction_rms vs run



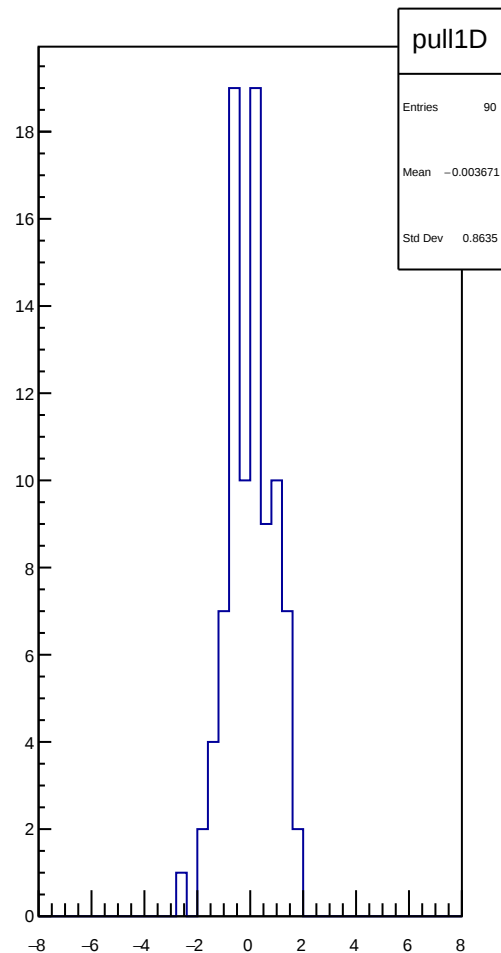
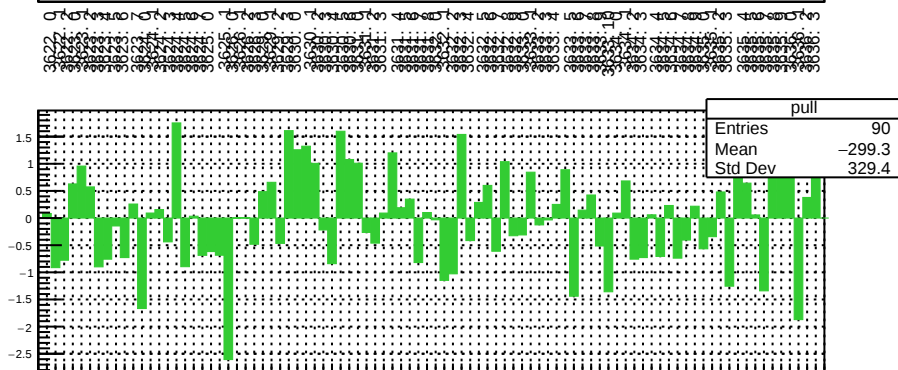
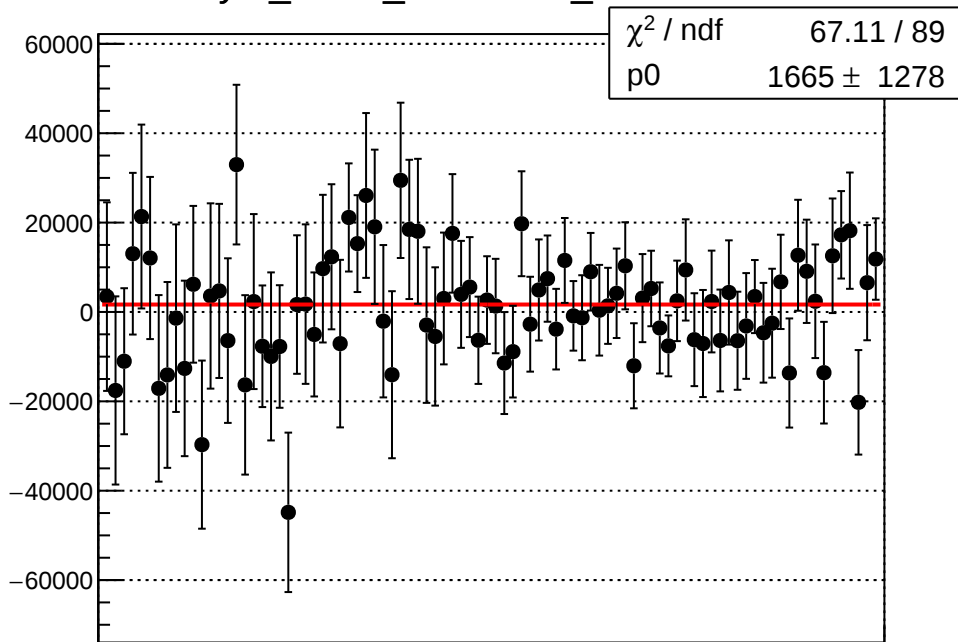
reg_asym_sam5_mean vs run



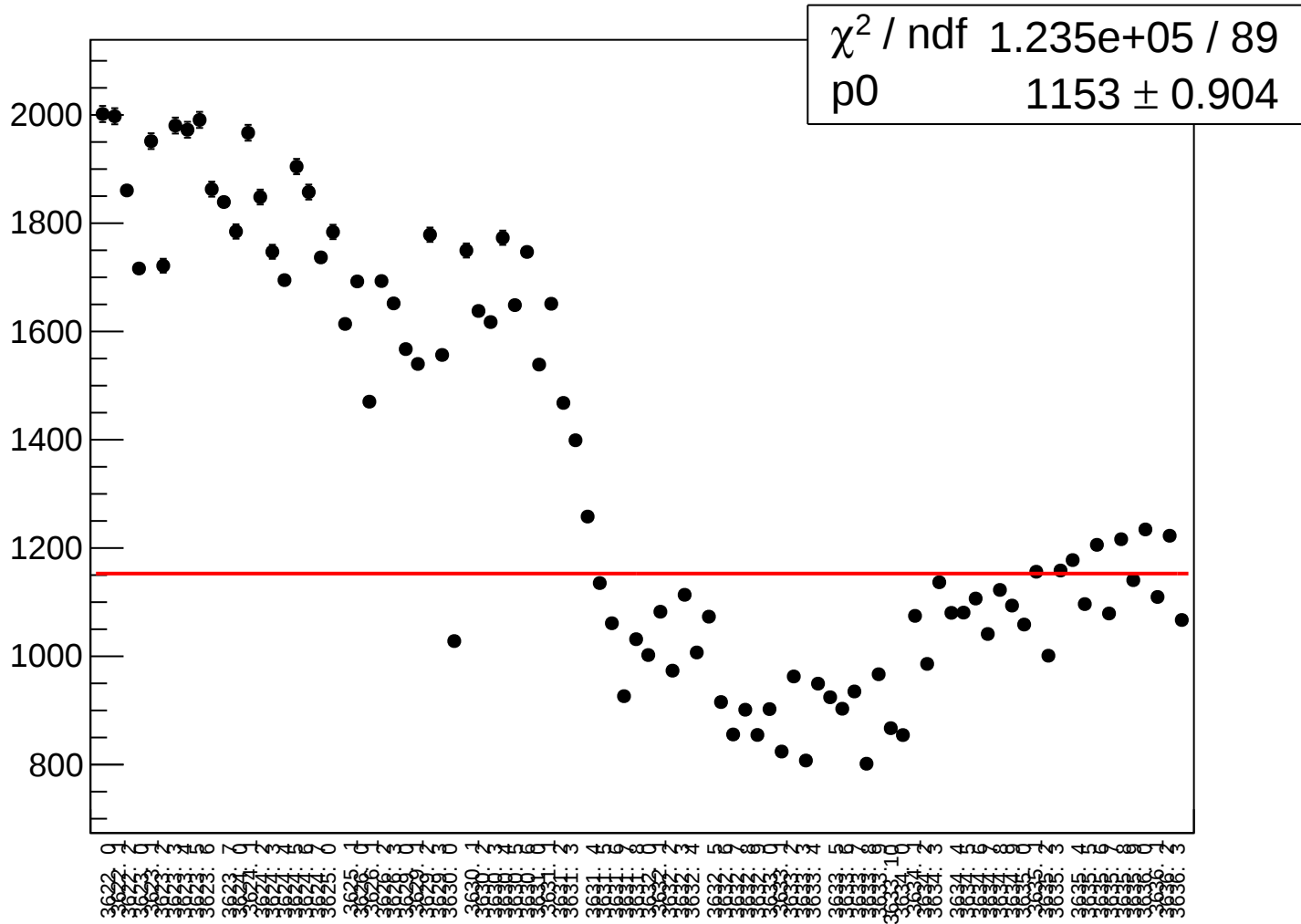
reg_asym_sam5_rms vs run



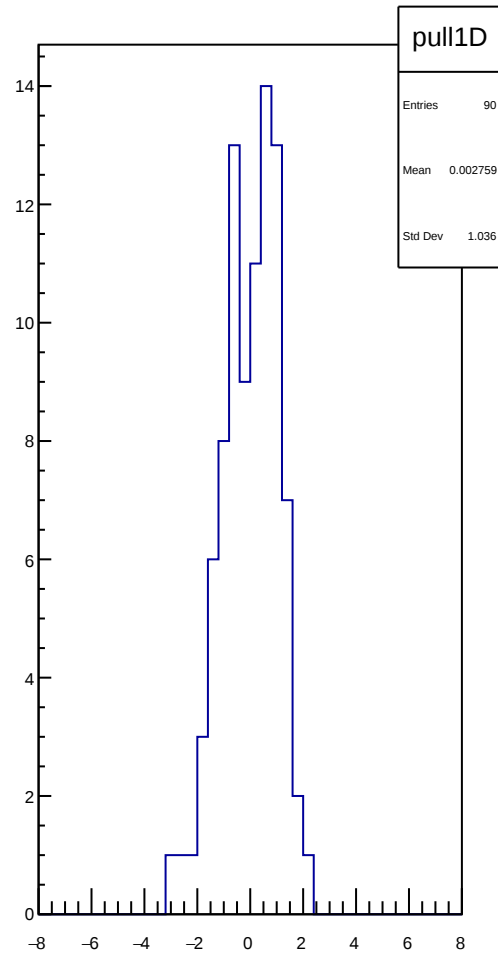
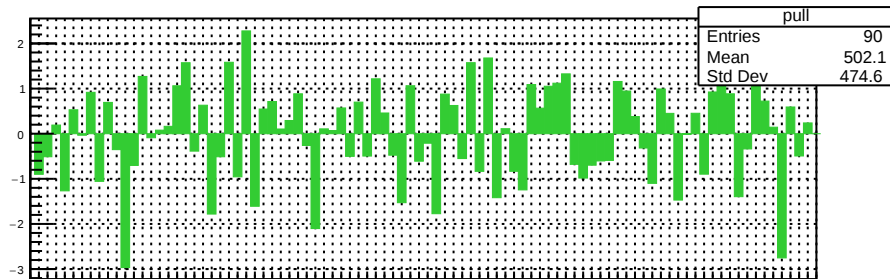
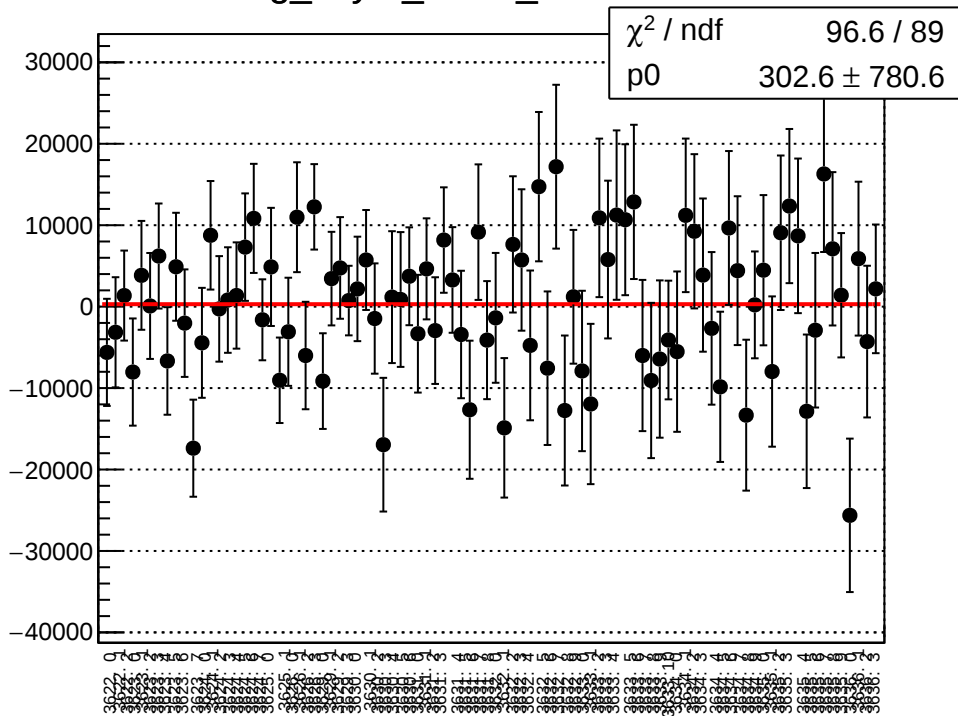
asym_sam5_correction_mean vs run



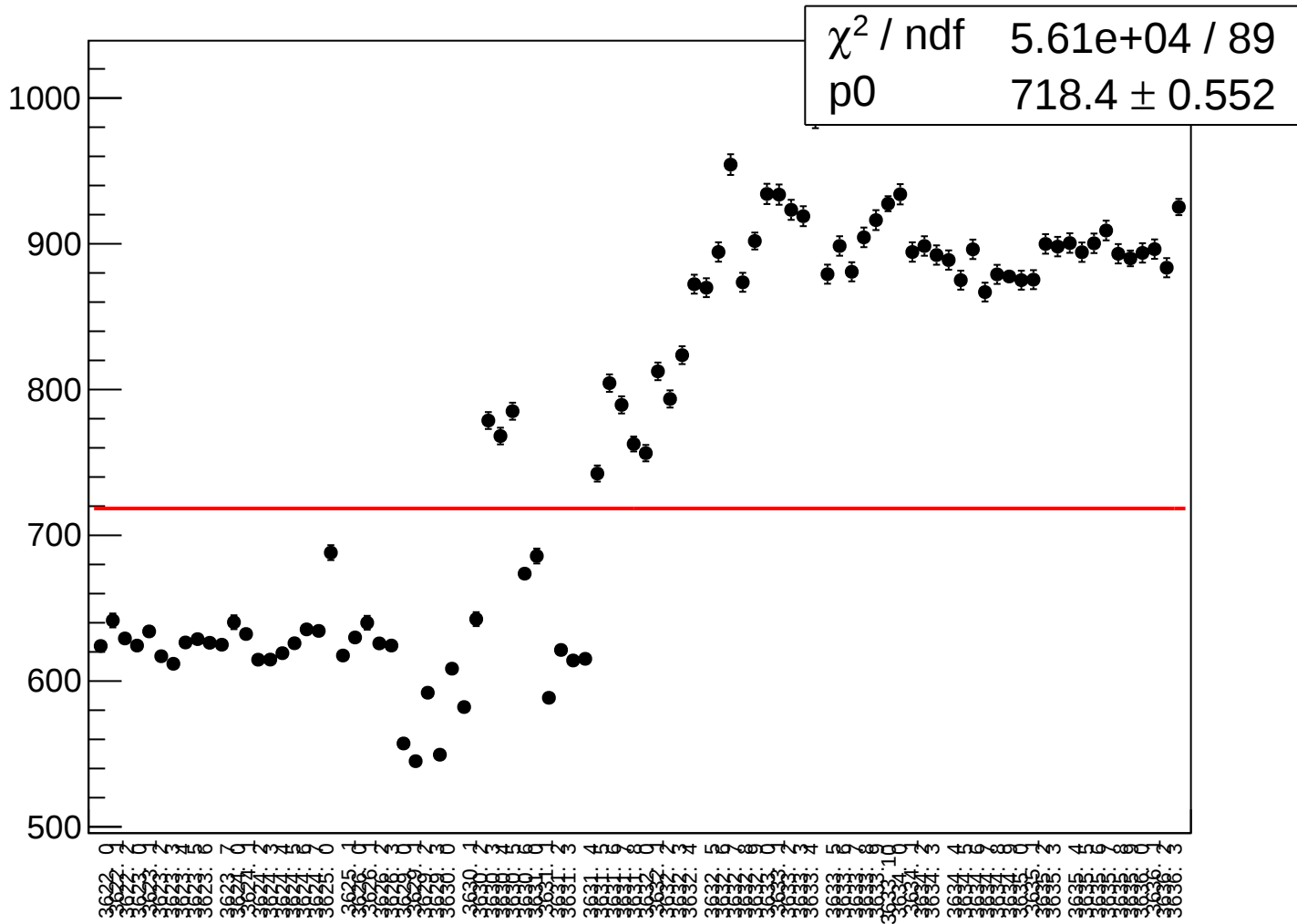
asym_sam5_correction_rms vs run



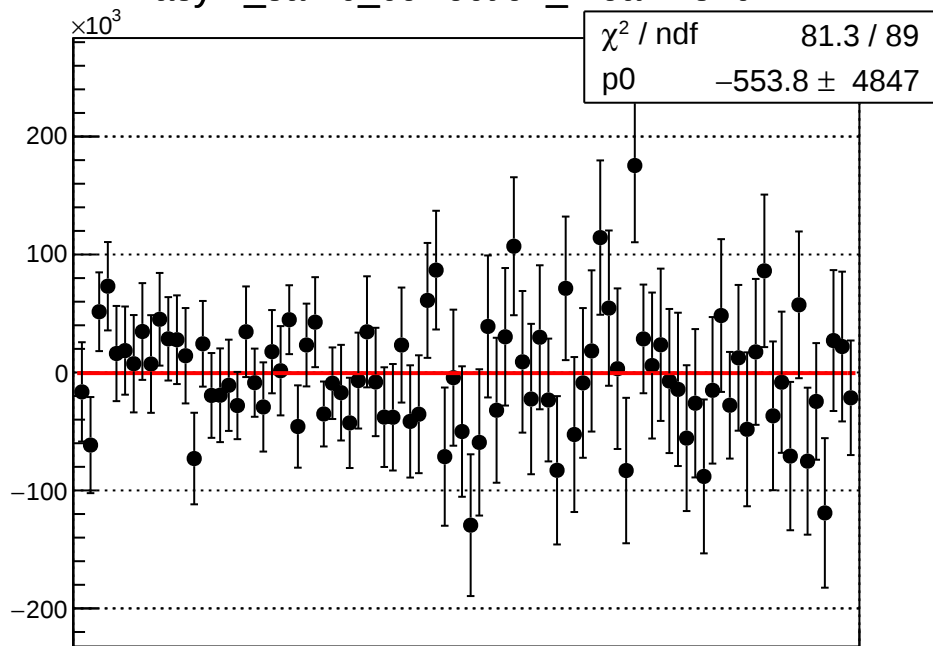
reg_asym_sam6_mean vs run



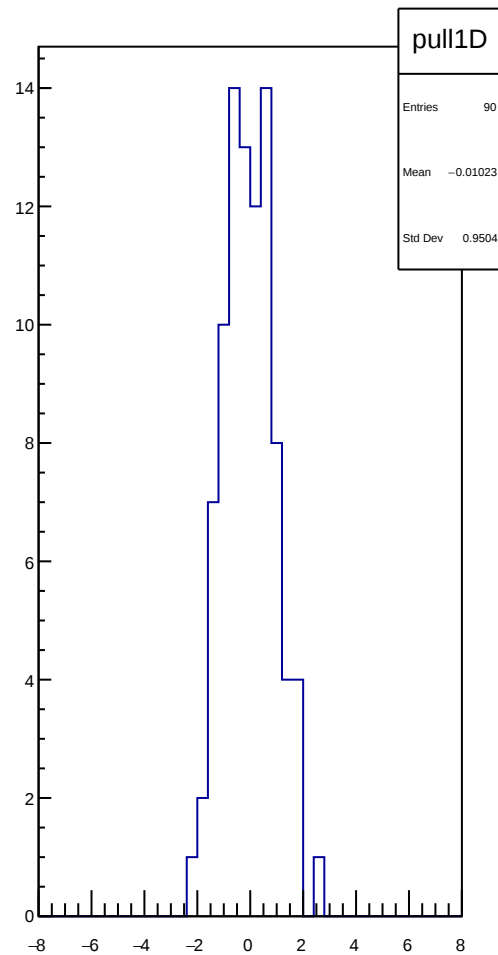
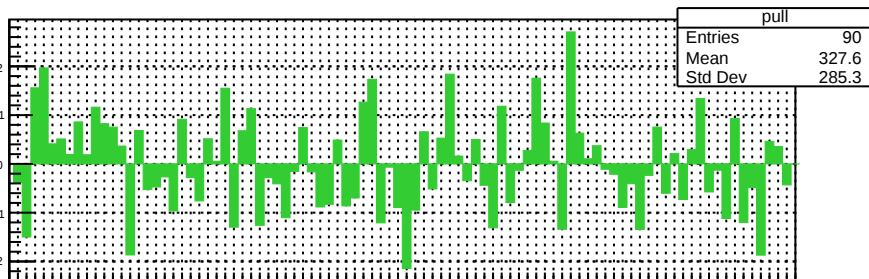
reg_asym_sam6_rms vs run



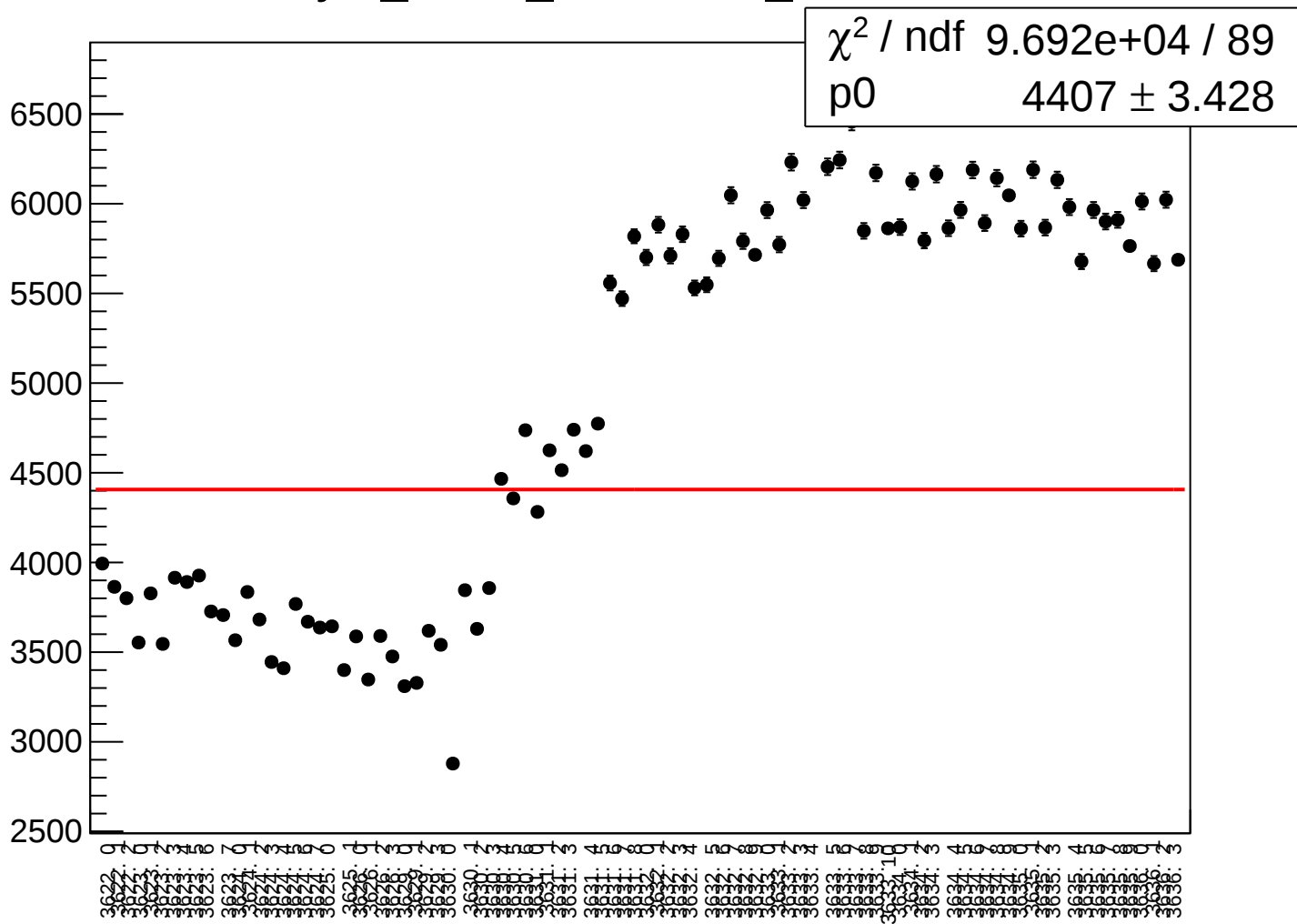
asym_sam6_correction_mean vs run



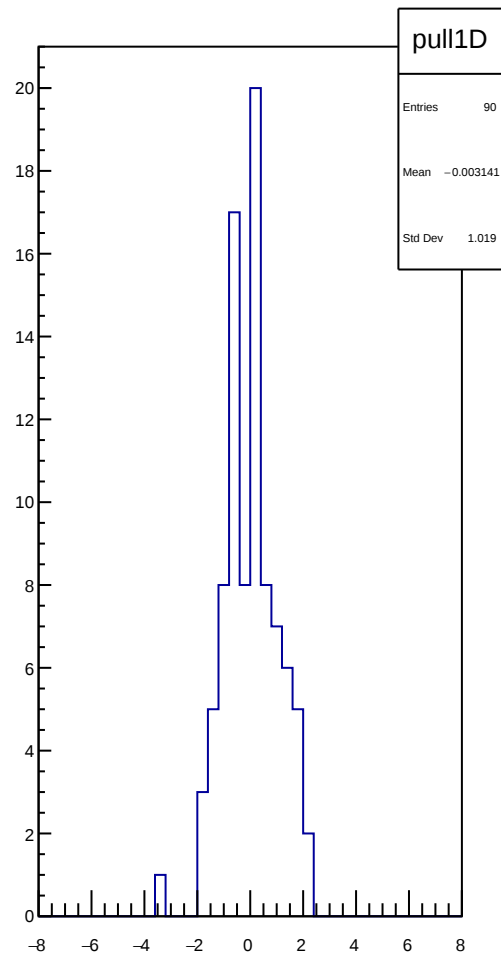
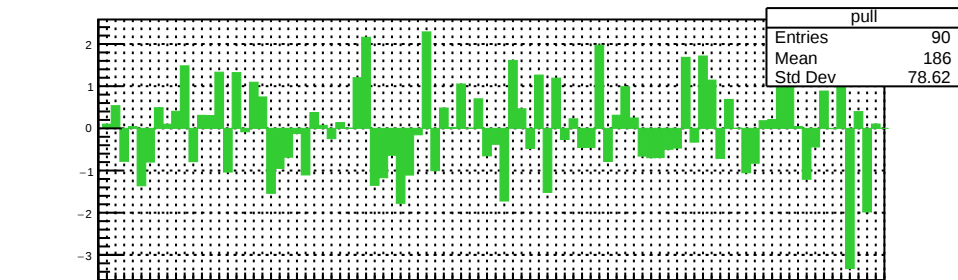
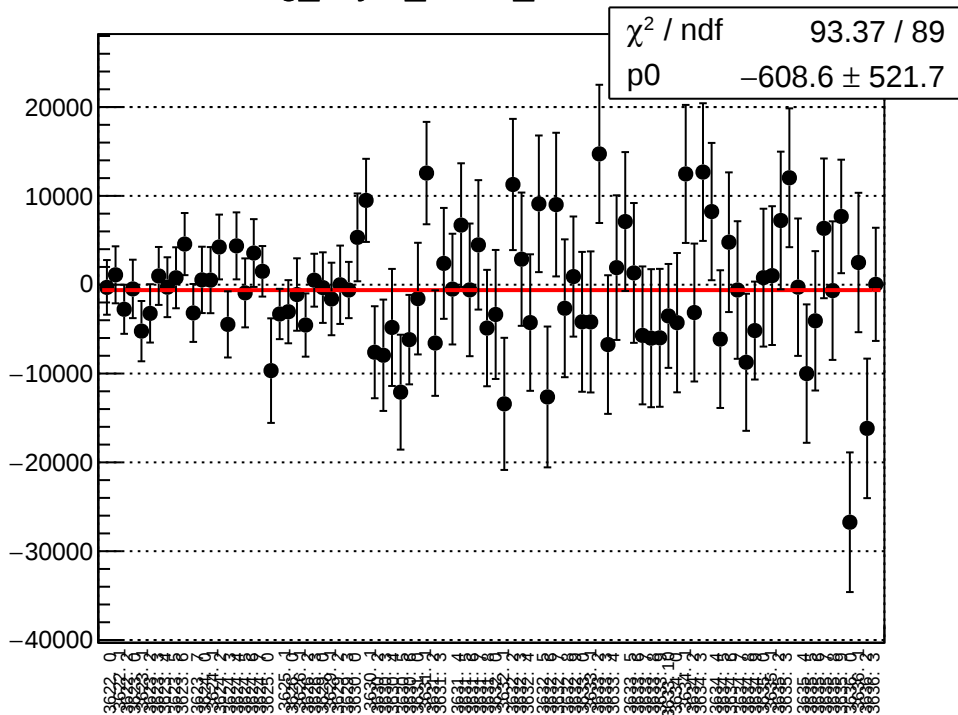
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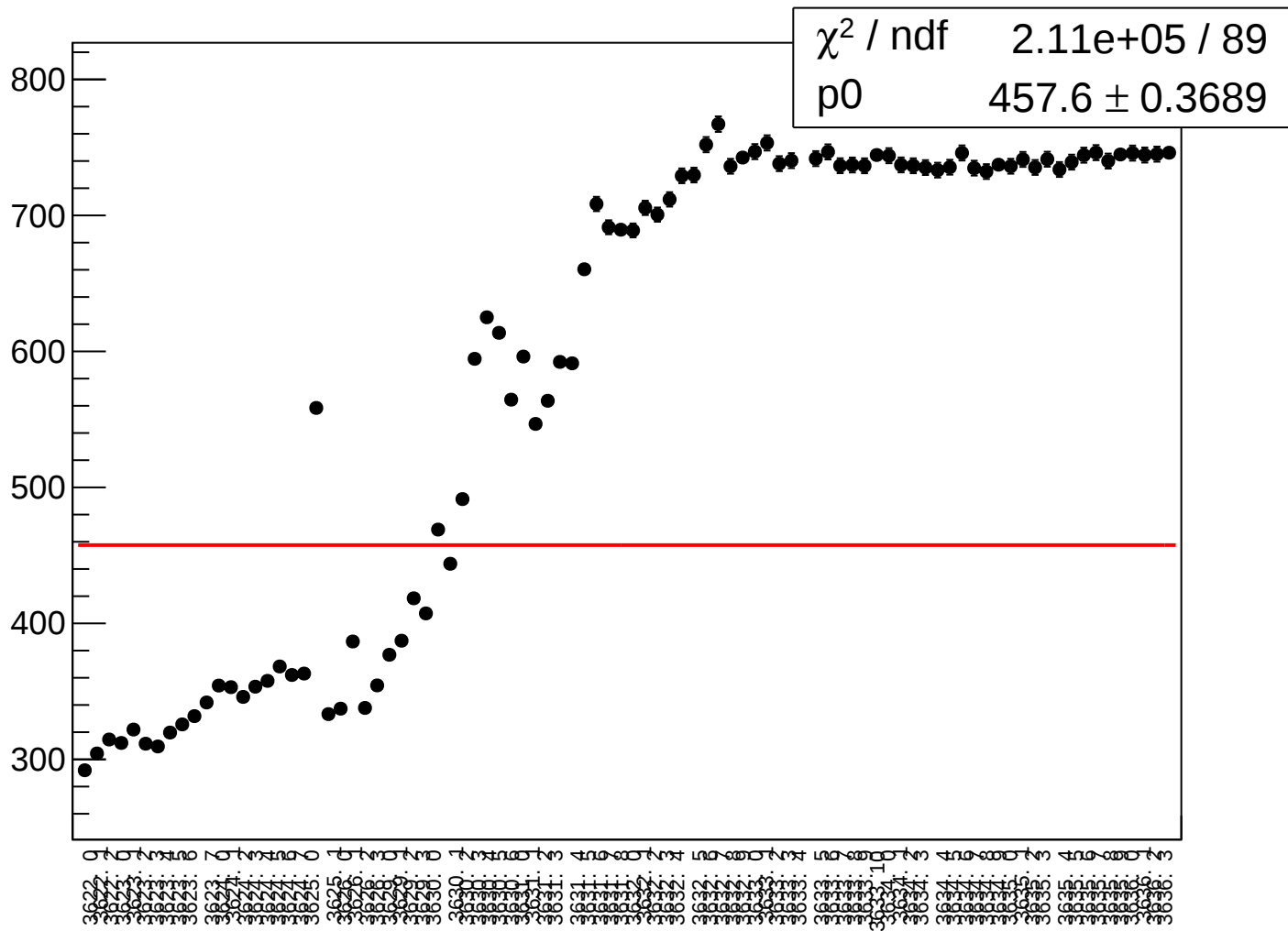
asym_sam6_correction_rms vs run



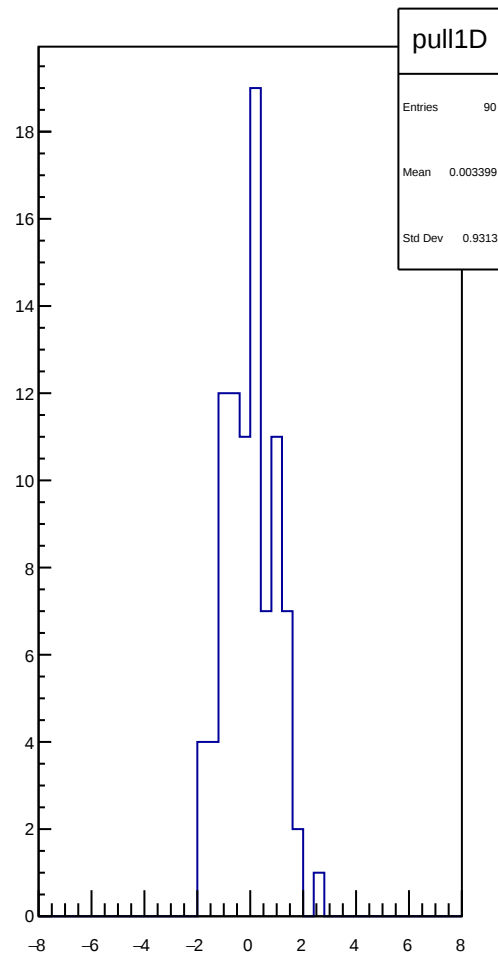
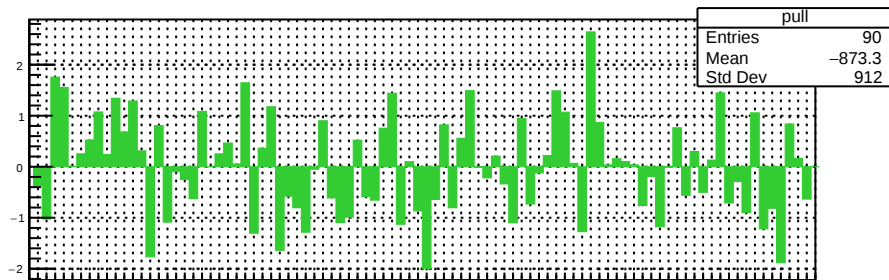
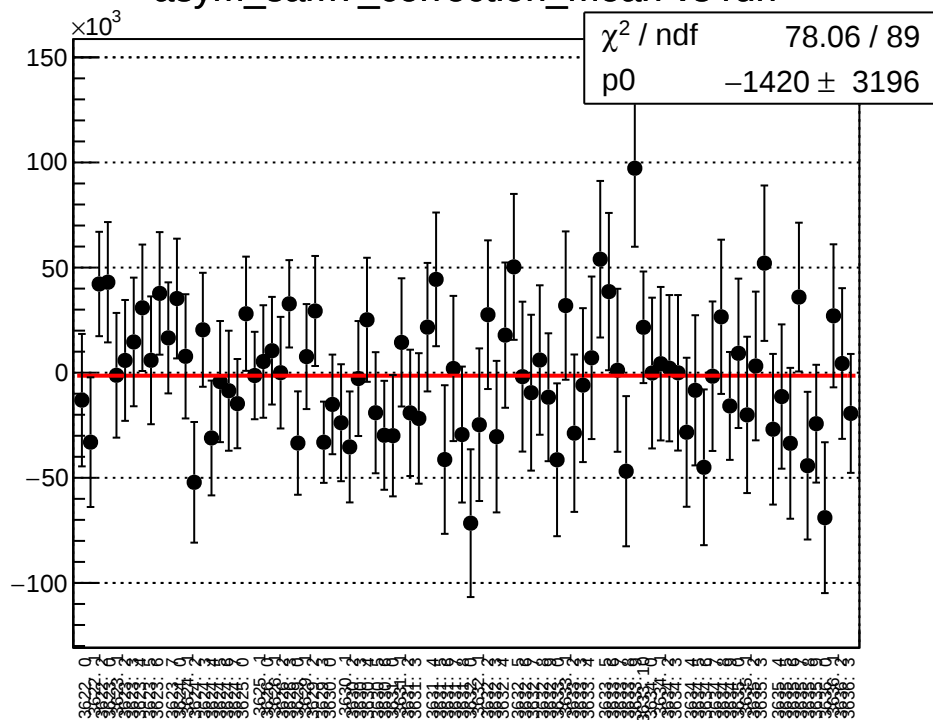
reg_asym_sam7_mean vs run



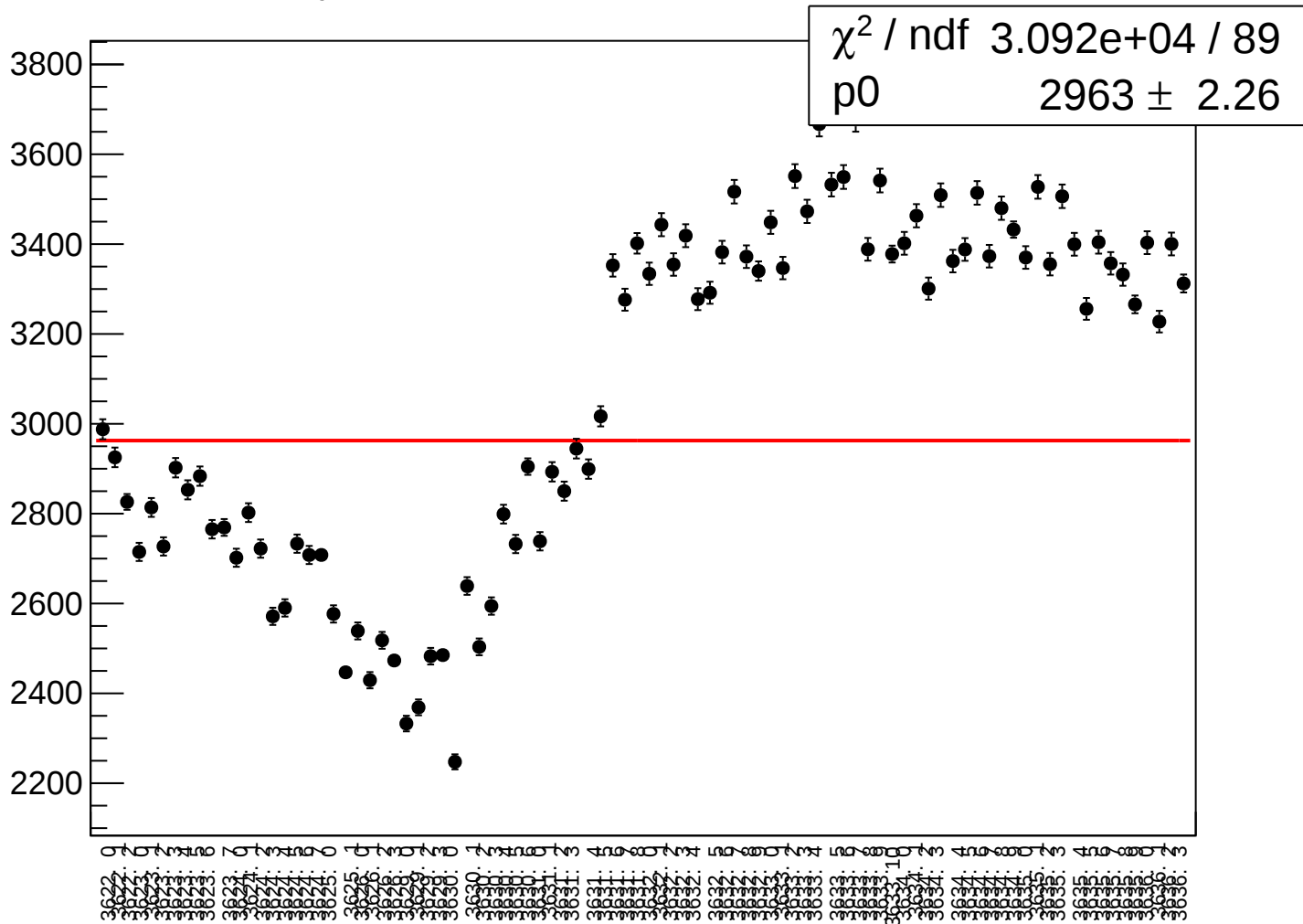
reg_asym_sam7_rms vs run



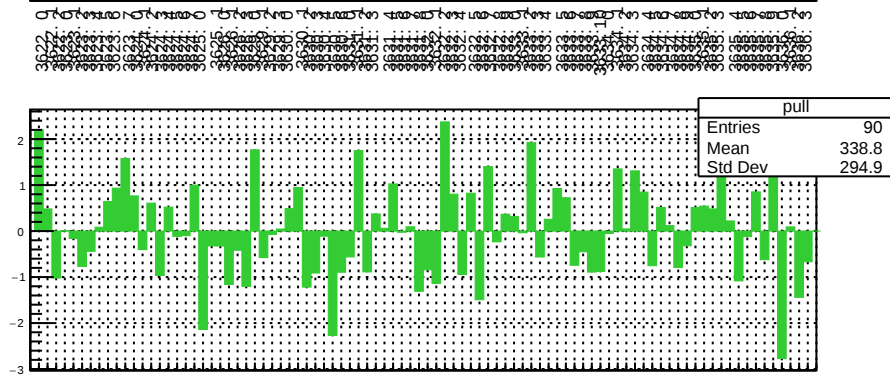
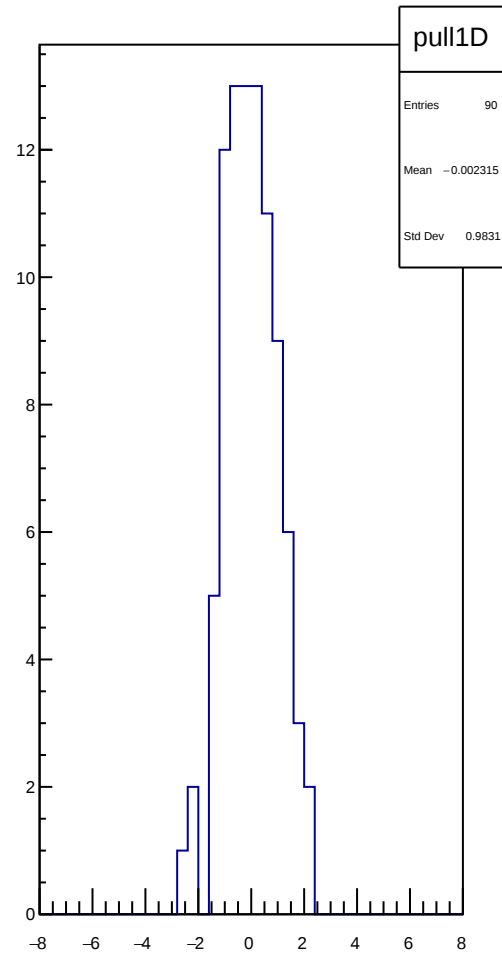
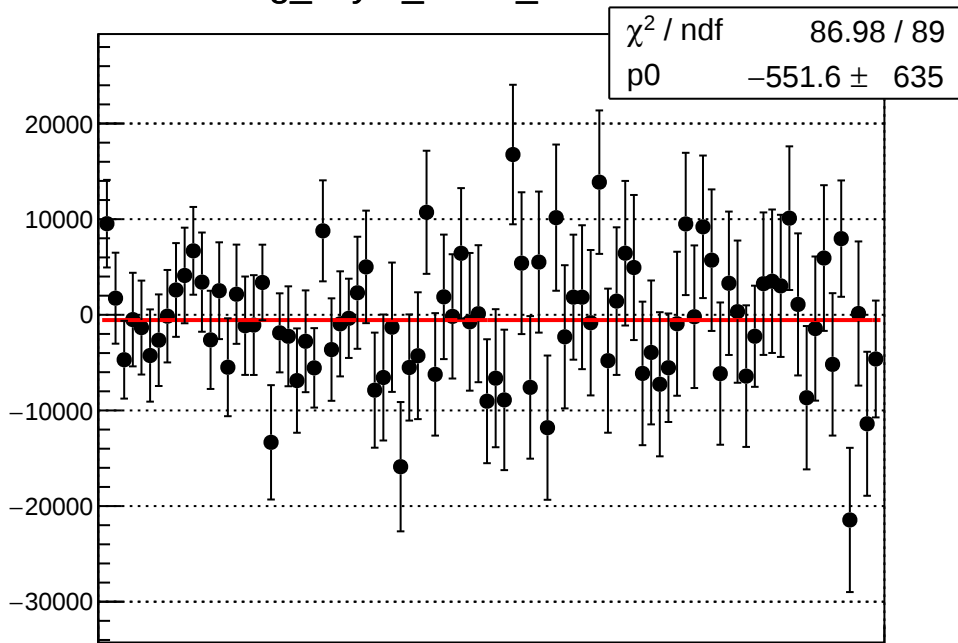
asym_sam7_correction_mean vs run



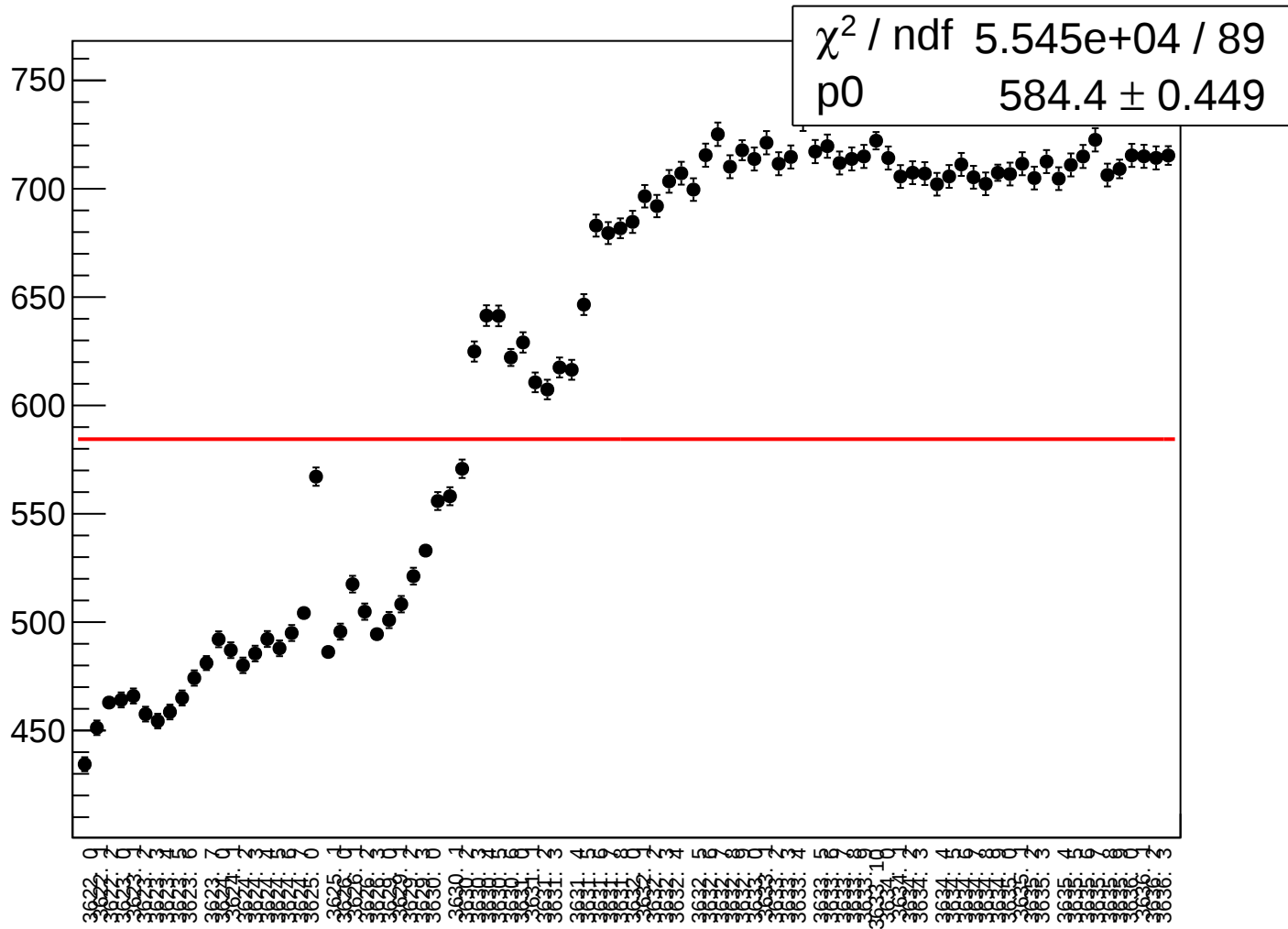
asym_sam7_correction_rms vs run



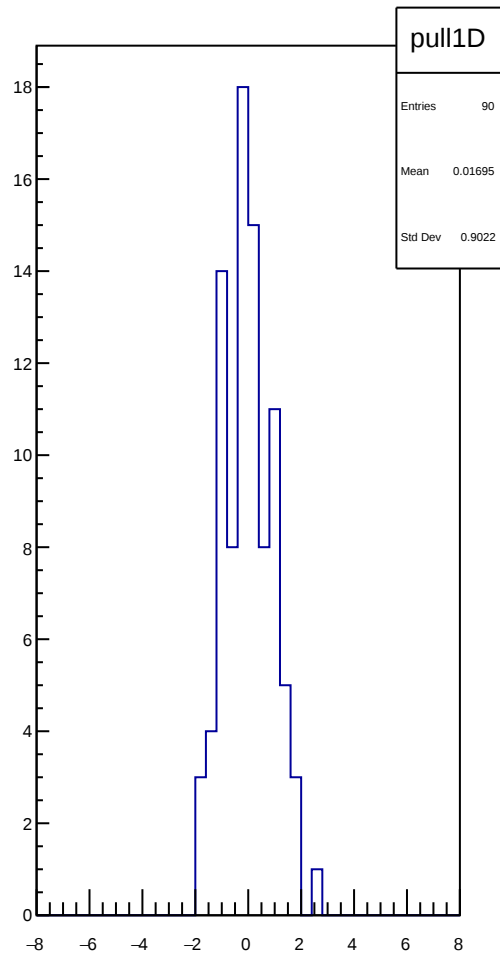
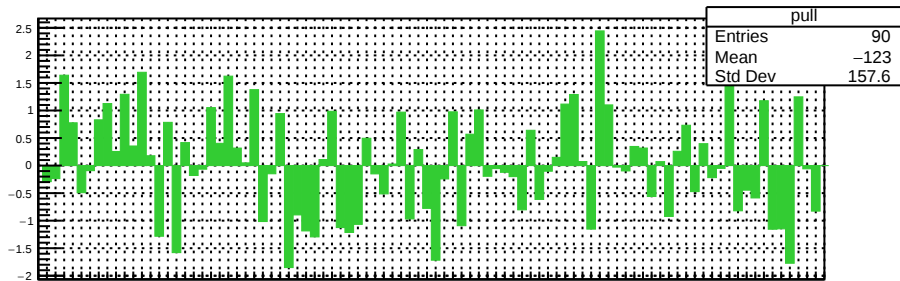
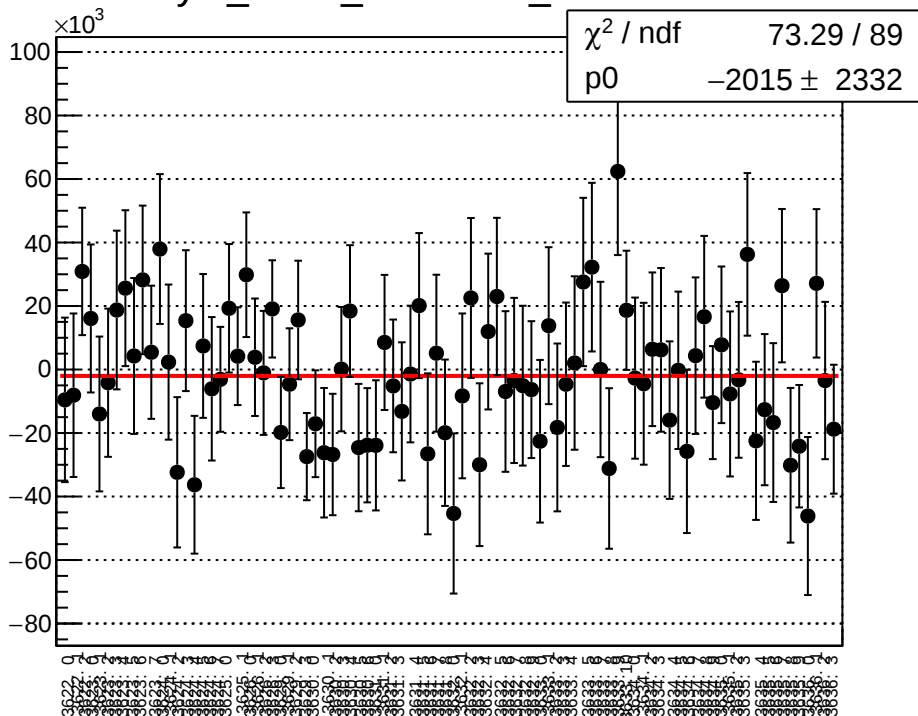
reg_asym_sam8_mean vs run



reg_asym_sam8_rms vs run



asym_sam8_correction_mean vs run



asym_sam8_correction_rms vs run

